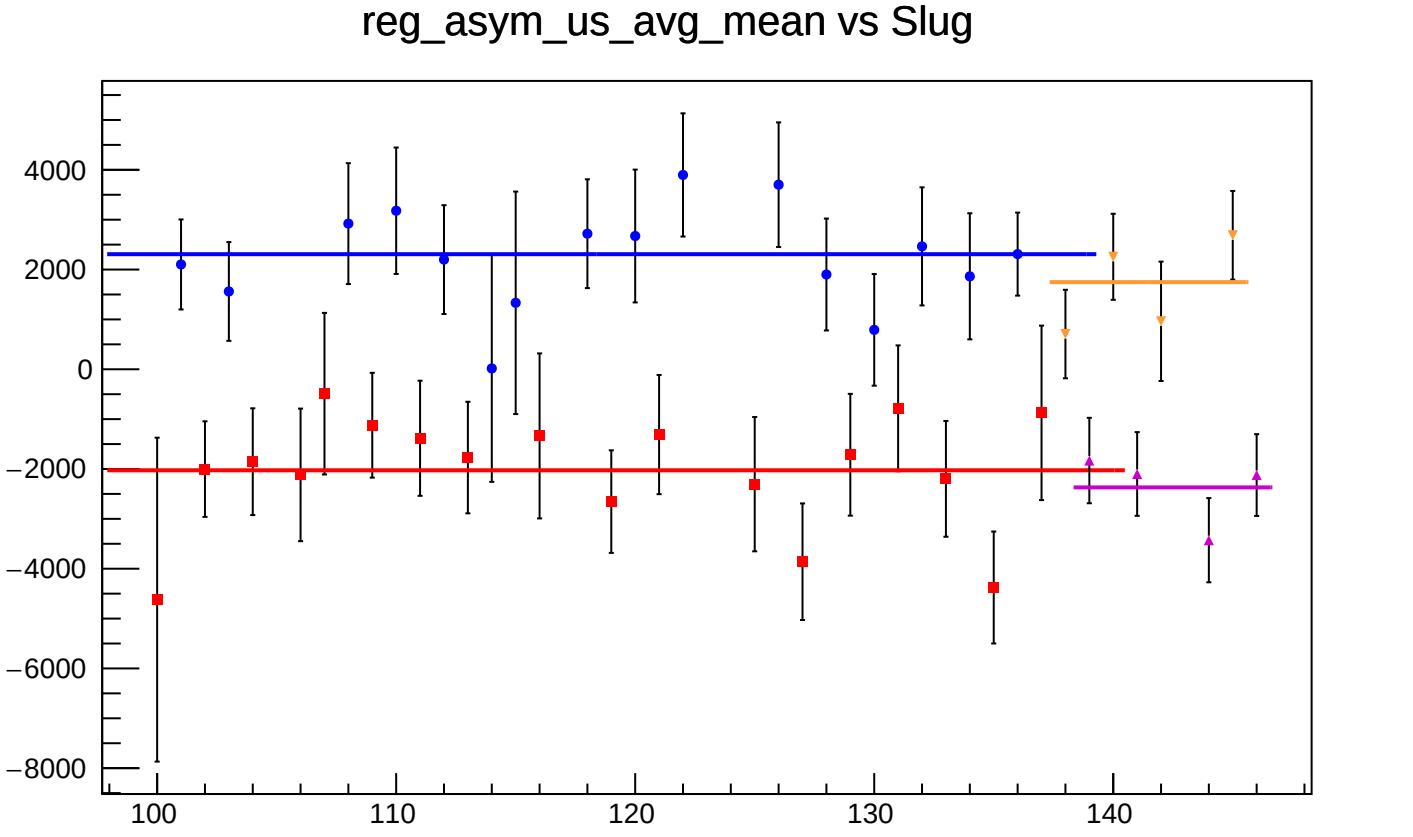


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1747.801+/-467.451 χ^2/NDF:3.3/3

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

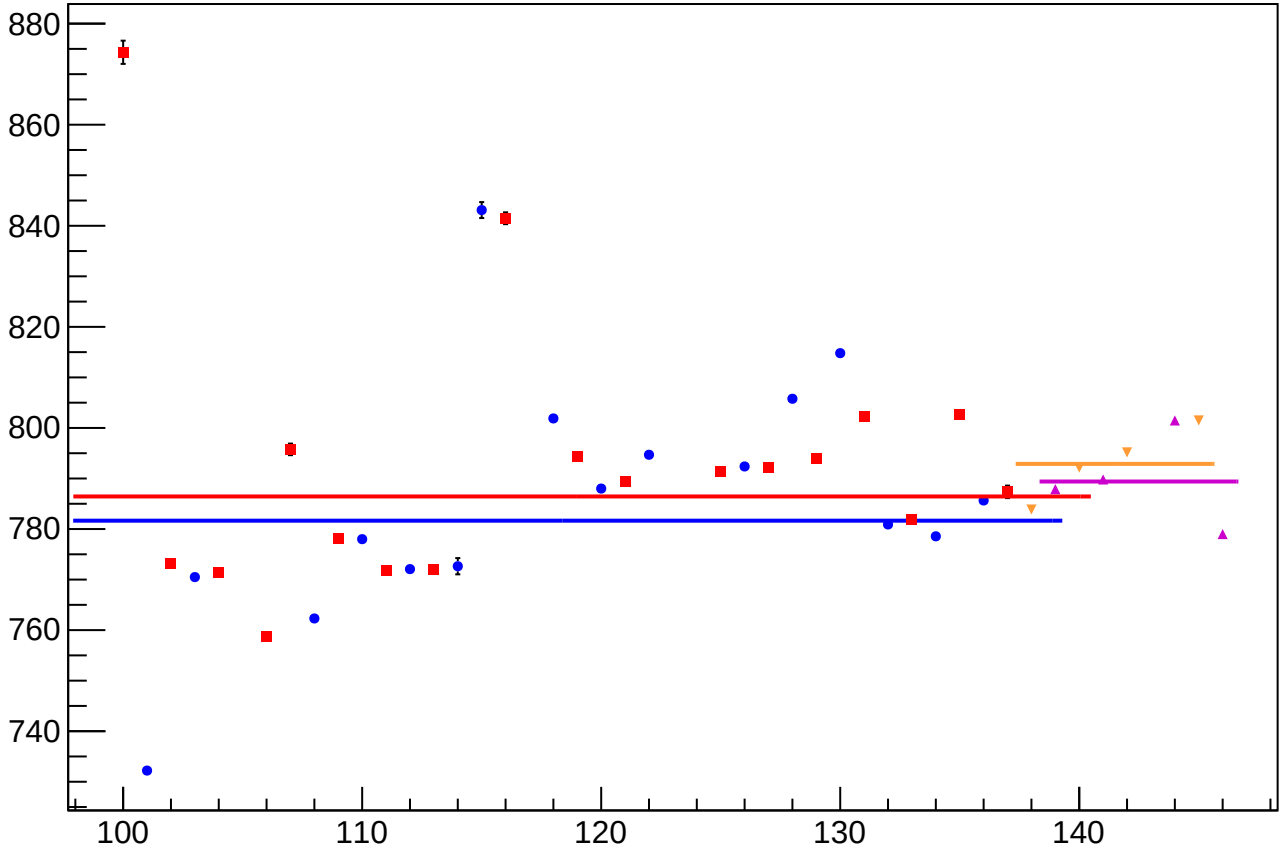
Left In: -2369.112+/-419.961 χ^2/NDF:2.2/3

+ sign 2152.090+/-246.694 χ^2/NDF: 12.1/19

All: -64.392+/-171.476 χ^2/NDF: 182.9/41

- sign -2136.427+/-238.520 χ^2/NDF: 14.6/21

reg_asym_us_avg_rms vs Slug



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

Left Out: 792.890+/-0.331 χ^2/NDF:403.0/3

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

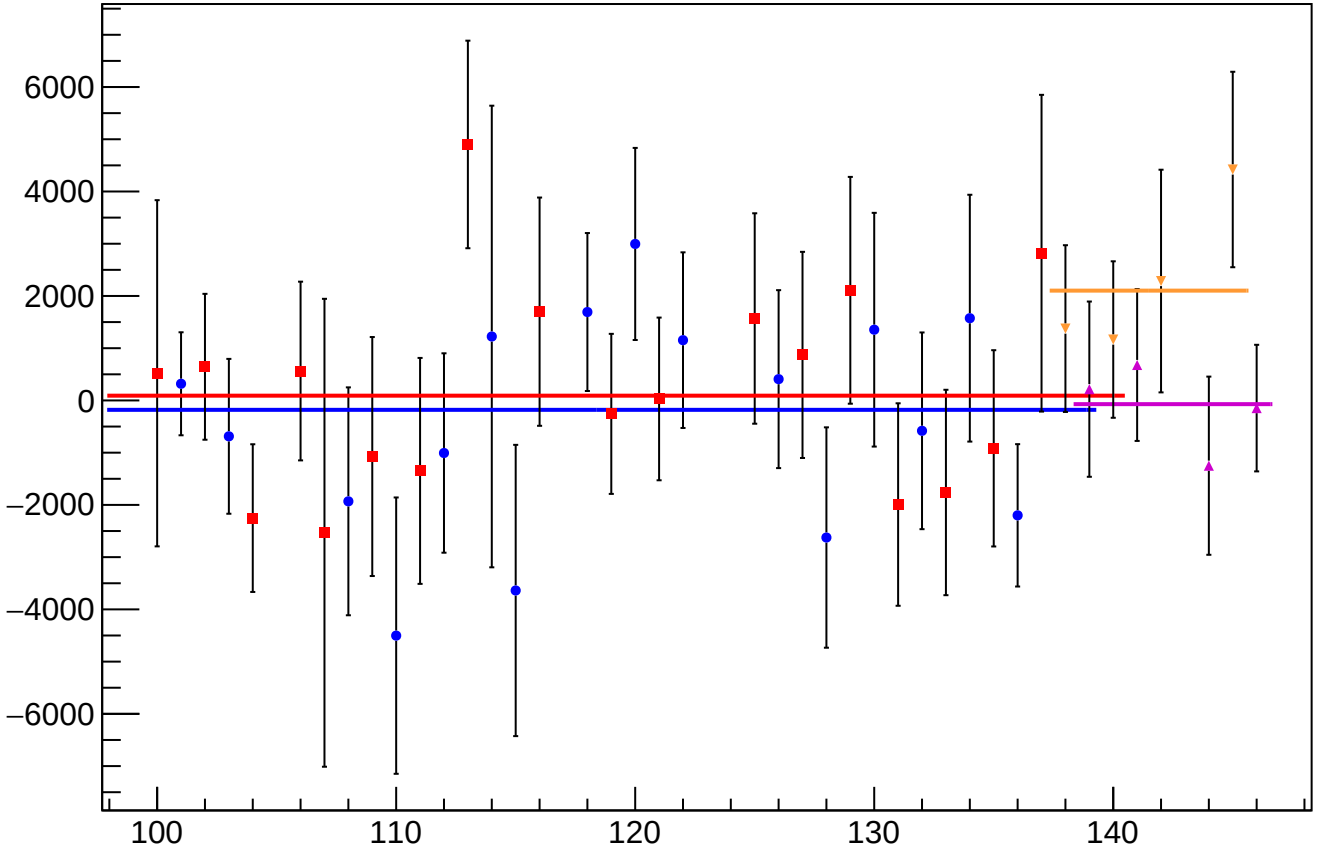
Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

+ sign 784.783+/-0.174 χ^2/NDF: 13555.8/19

All: 786.134+/-0.121 χ^2/NDF: 21677.8/41

- sign 787.397+/-0.169 χ^2/NDF: 8005.9/21

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: 2102.274+/-862.568 χ^2/NDF:2.1/3

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

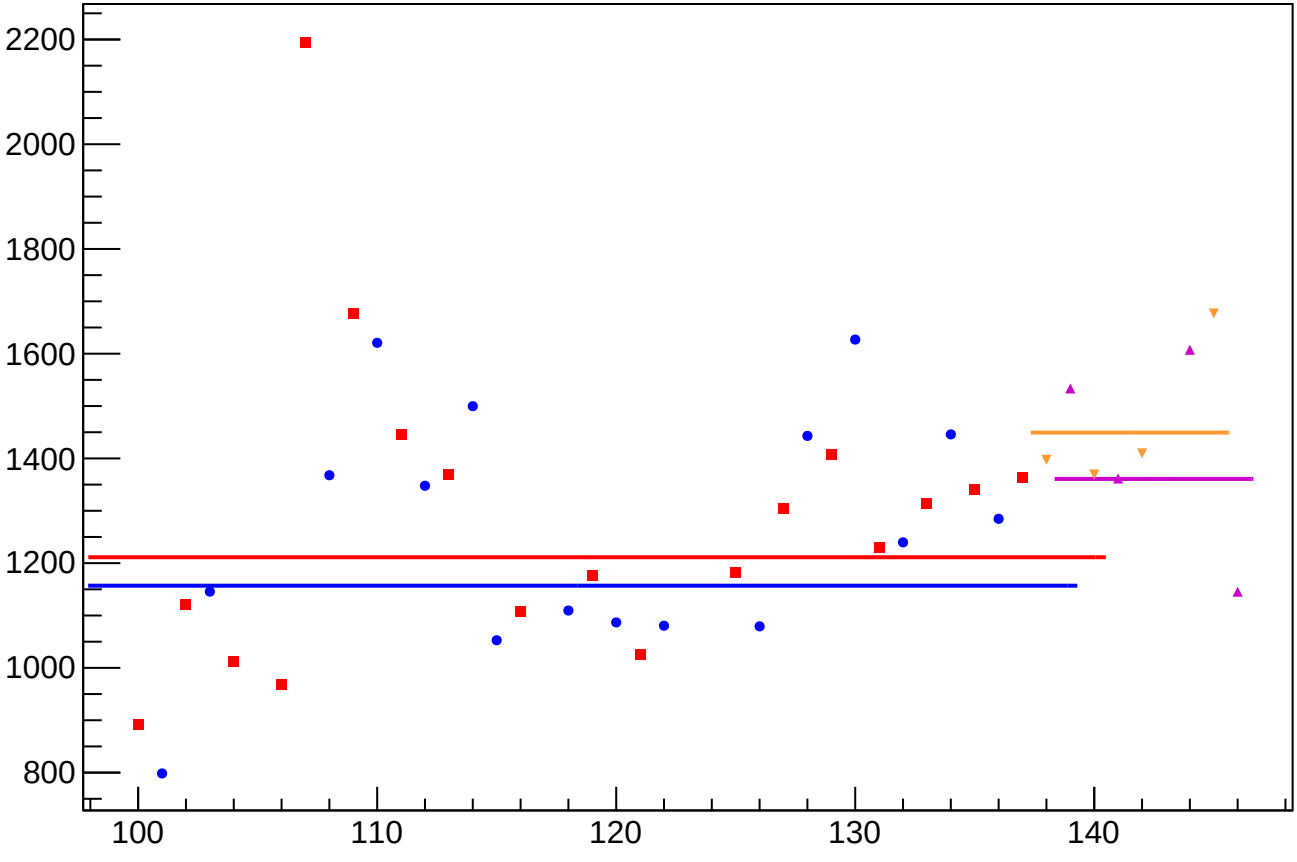
Left In: -71.035+/-734.604 χ^2/NDF:0.8/3

+ sign 292.610+/-392.496 χ^2/NDF: 23.1/19

All: 167.626+/-275.463 χ^2/NDF: 39.3/41

- sign 46.309+/-386.696 χ^2/NDF: 16.0/21

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1449.385+/-0.610 χ^2/NDF:38082.8/3

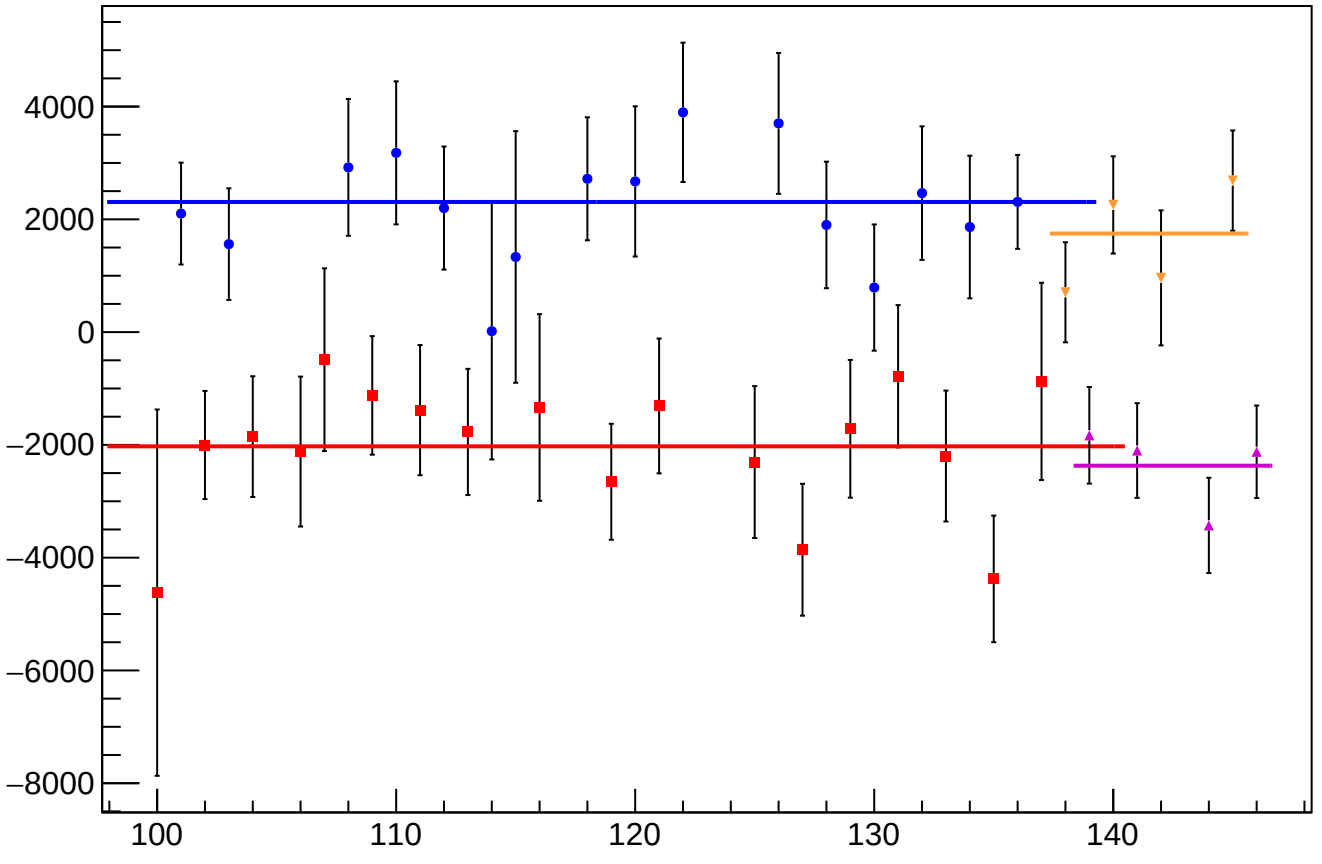
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

+ sign 1217.498+/-0.278 χ^2/NDF: 789488.1/19

All: 1235.365+/-0.195 χ^2/NDF: 1381517.1/41

- sign 1252.708+/-0.273 χ^2/NDF: 583861.7/21



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

Left Out: 1747.801+/-467.451 χ^2/NDF:3.3/3

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

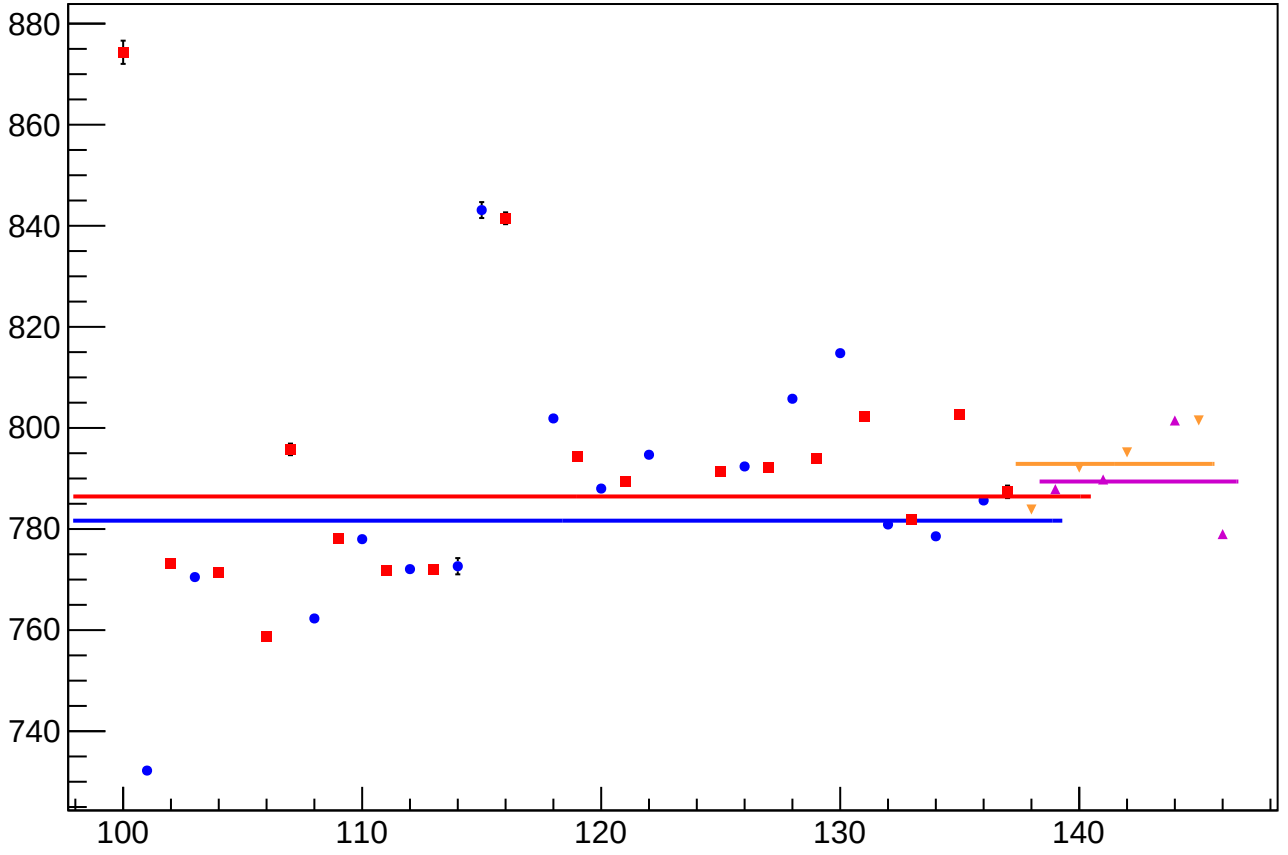
Left In: -2369.112+/-419.961 χ^2/NDF:2.2/3

+ sign 2152.090+/-246.694 χ^2/NDF: 12.1/19

All: -64.392+/-171.476 χ^2/NDF: 182.9/41

- sign -2136.427+/-238.520 χ^2/NDF: 14.6/21

cor_asym_us_avg_rms vs Slug



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

Left Out: 792.890+/-0.331 χ^2/NDF:403.0/3

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

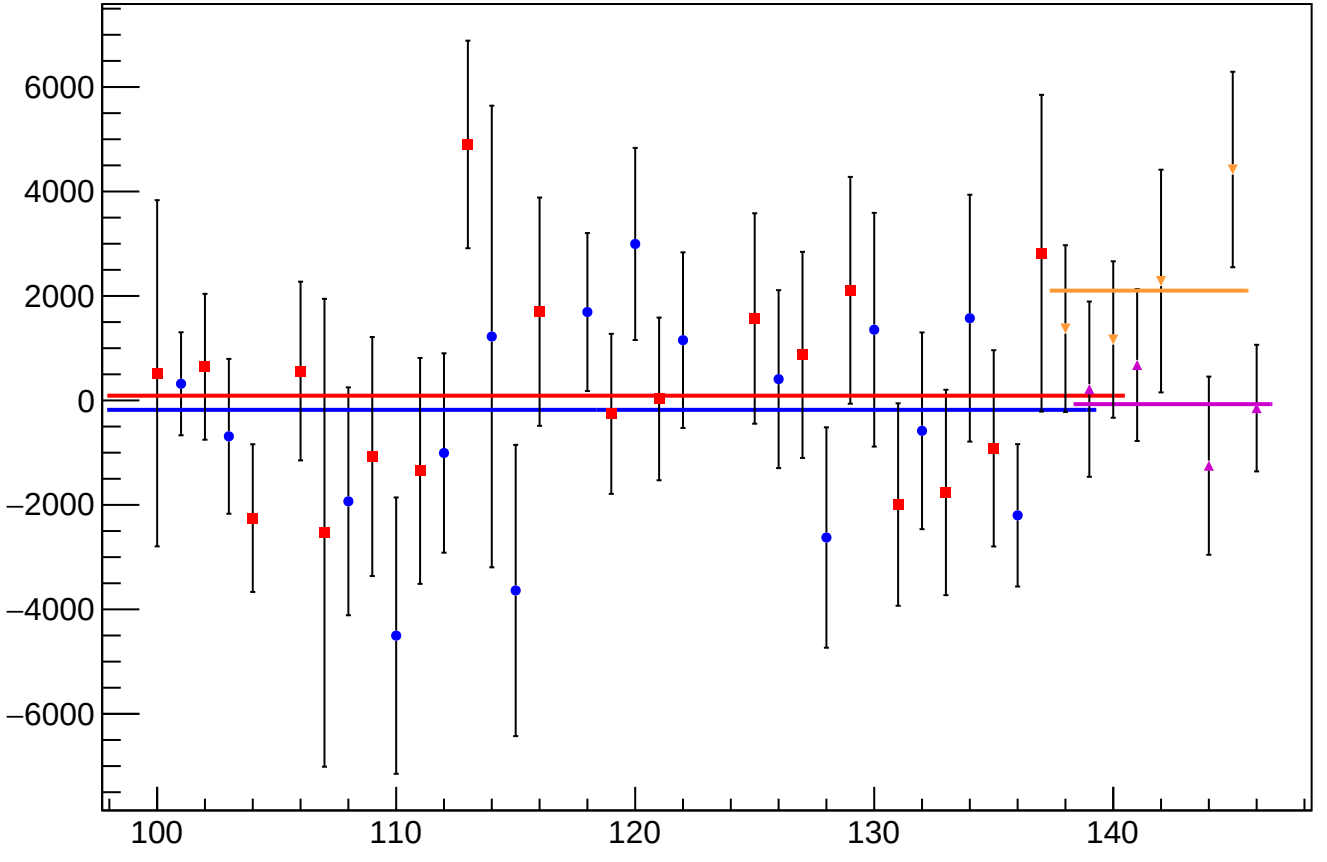
Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

+ sign 784.783+/-0.174 χ^2/NDF: 13555.8/19

All: 786.134+/-0.121 χ^2/NDF: 21677.8/41

- sign 787.397+/-0.169 χ^2/NDF: 8005.9/21

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: 2102.274+/-862.568 χ^2/NDF:2.1/3

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

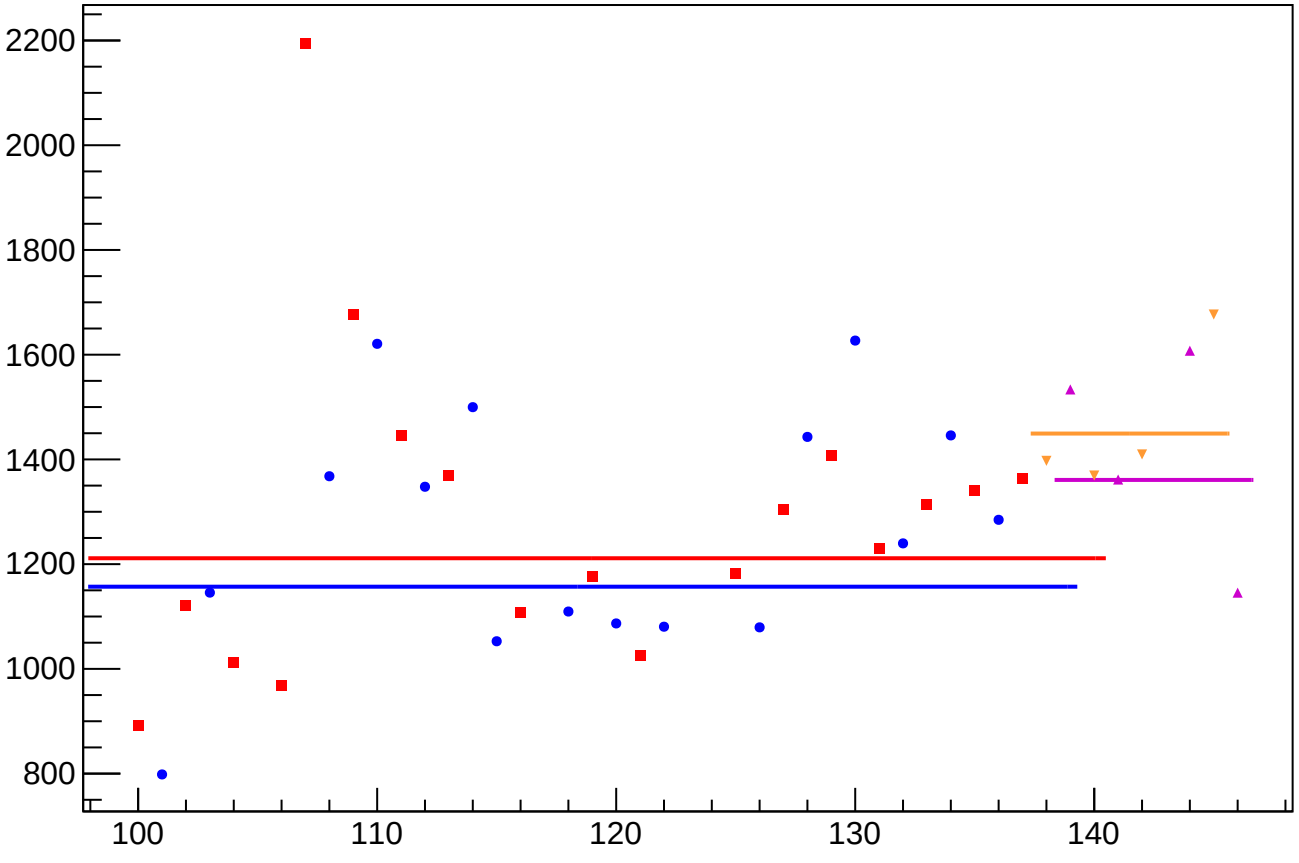
Left In: -71.035+/-734.604 χ^2/NDF:0.8/3

+ sign 292.610+/-392.496 χ^2/NDF: 23.1/19

All: 167.626+/-275.463 χ^2/NDF: 39.3/41

- sign 46.309+/-386.696 χ^2/NDF: 16.0/21

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1449.385+/-0.610 χ^2/NDF:38082.8/3

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

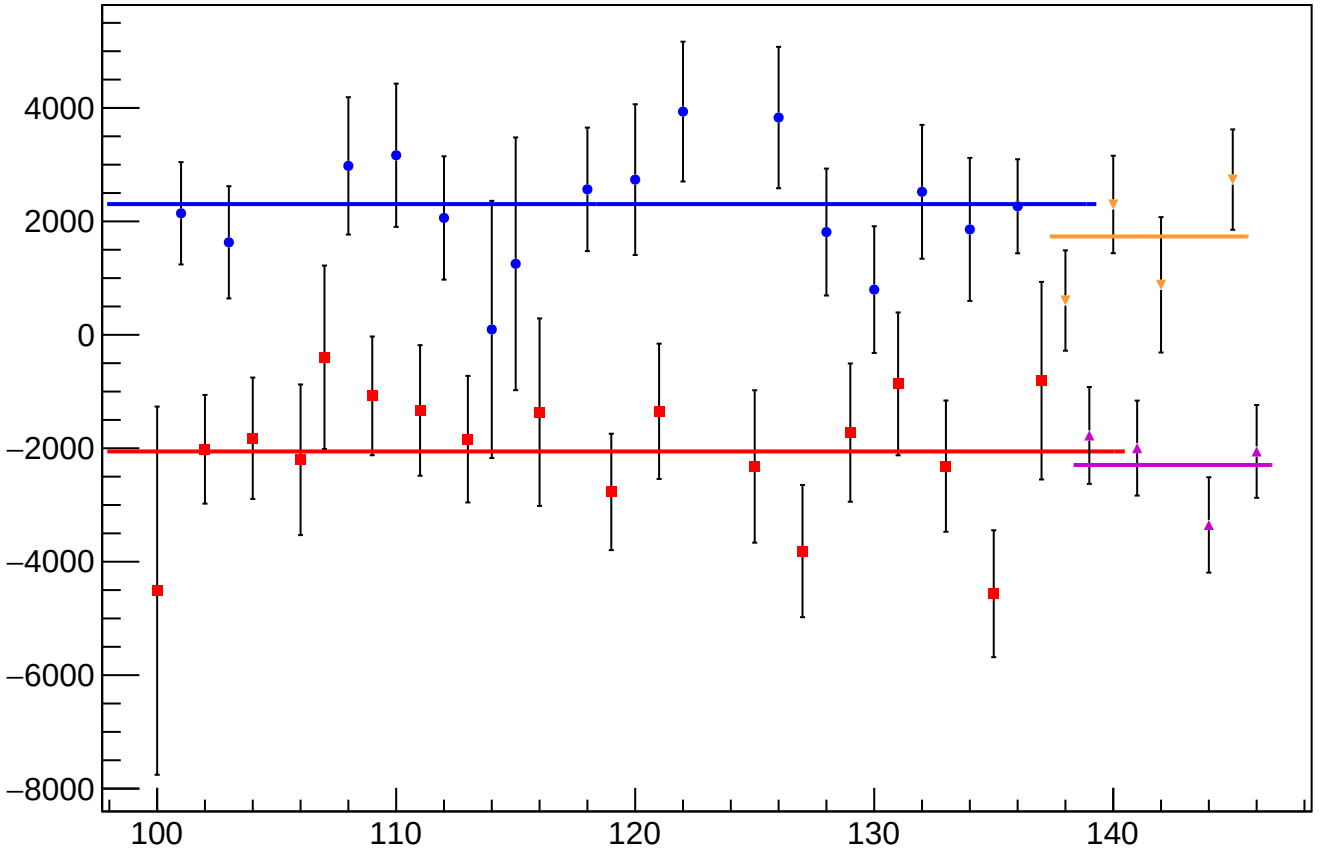
Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

+ sign 1217.498+/-0.278 χ^2/NDF: 789488.1/19

All: 1235.365+/-0.195 χ^2/NDF: 1381517.1/41

- sign 1252.708+/-0.273 χ^2/NDF: 583861.7/21

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1734.843+/-465.715 χ^2/NDF:3.9/3

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

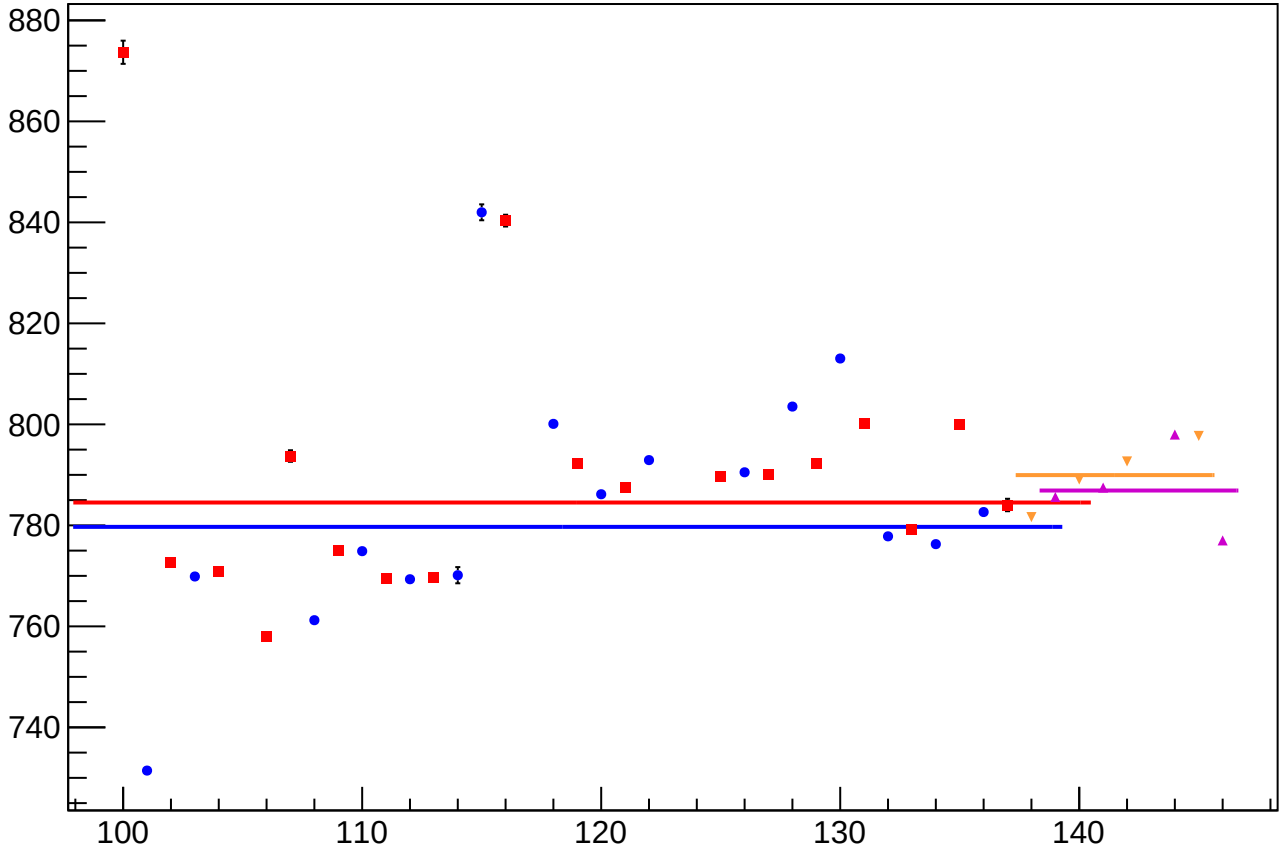
Left In: -2294.202+/-418.626 χ^2/NDF:2.2/3

+ sign 2145.820+/-245.992 χ^2/NDF: 13.0/19

All: -65.139+/-171.003 χ^2/NDF: 184.6/41

- sign -2132.689+/-237.881 χ^2/NDF: 15.3/21

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 789.954+/-0.329 χ^2/NDF:342.7/3

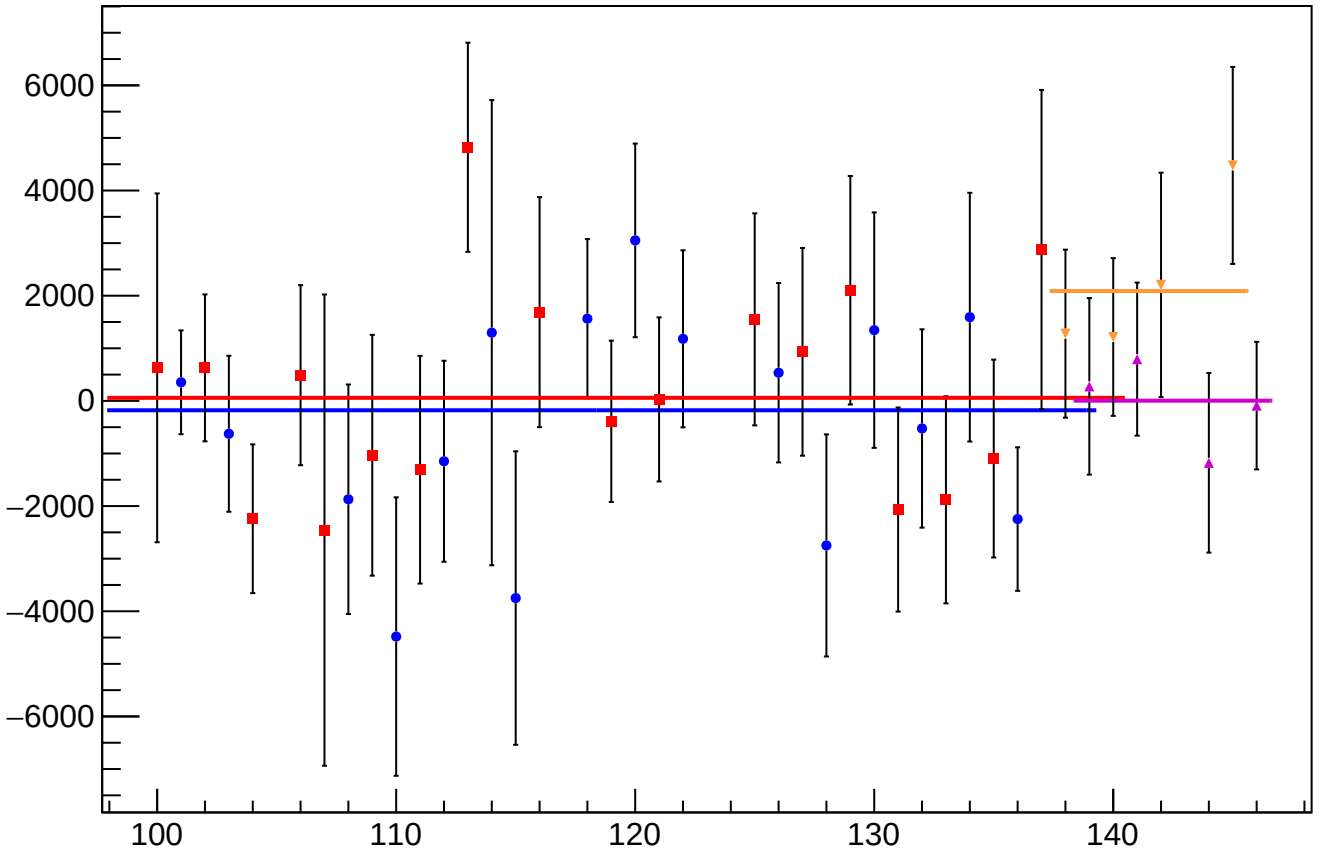
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 786.900+/-0.296 χ^2/NDF:644.6/3

+ sign 782.563+/-0.174 χ^2/NDF: 13101.8/19

All: 783.973+/-0.121 χ^2/NDF: 21077.2/41

- sign 785.291+/-0.168 χ^2/NDF: 7848.3/21



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

Left Out: 2088.982+/-863.488 χ^2/NDF:2.2/3

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

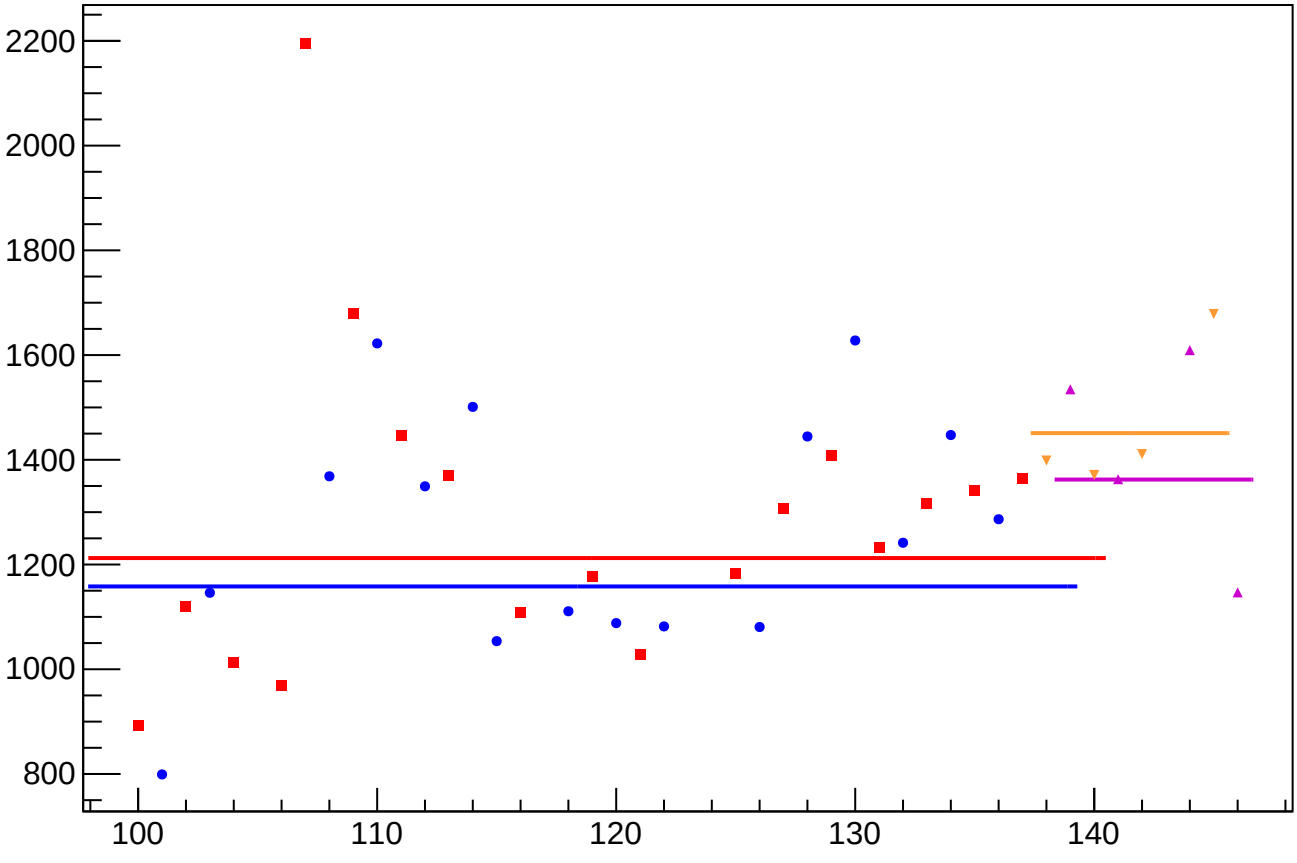
Left In: 4.239+/-735.349 χ^2/NDF:0.8/3

+ sign 290.985+/-392.898 χ^2/NDF: 23.4/19

All: 165.203+/-275.732 χ^2/NDF: 39.7/41

- sign 43.135+/-387.054 χ^2/NDF: 16.1/21

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1450.951+/-0.611 χ^2/NDF:38040.0/3

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

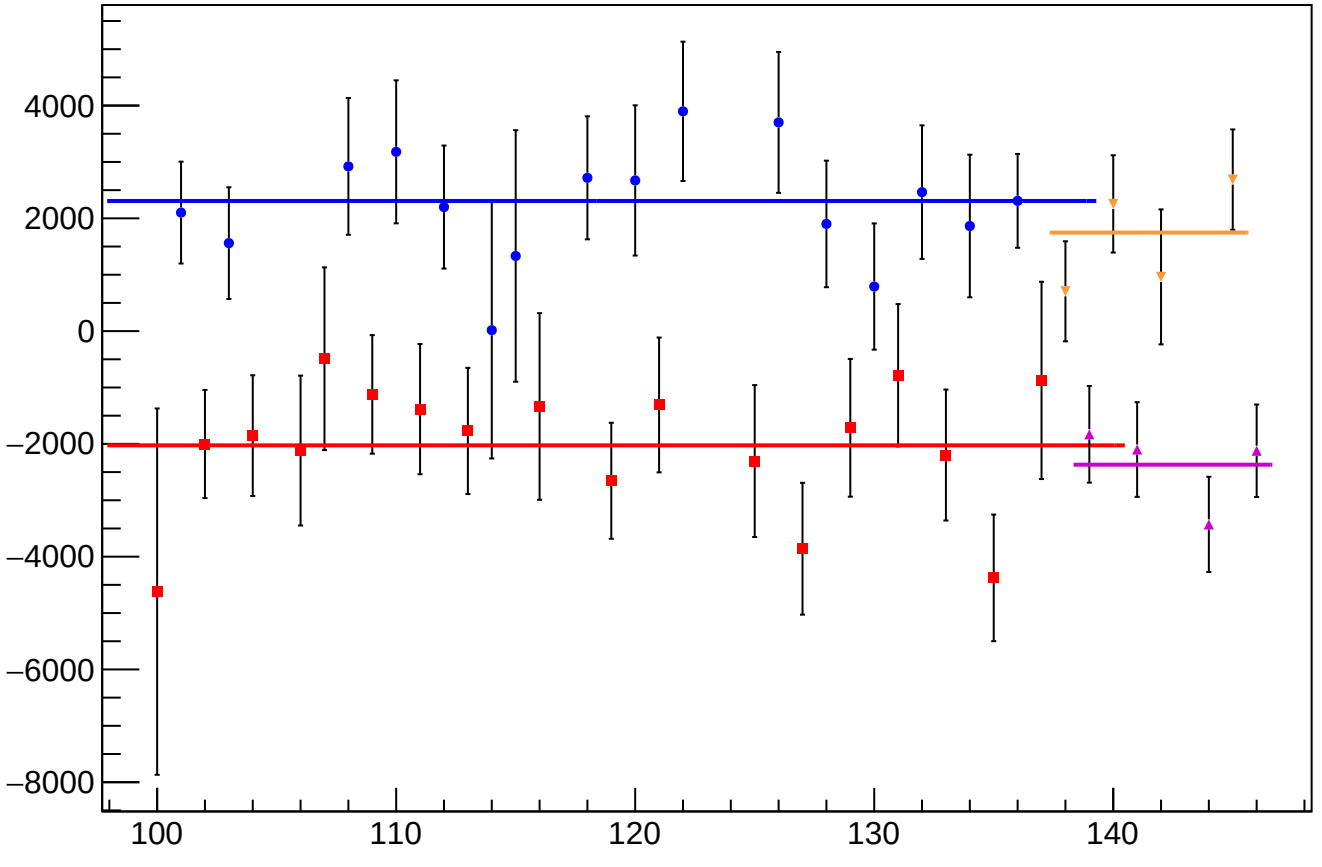
Left In: 1362.239+/-0.520 χ^2/NDF:126044.5/3

+ sign 1218.757+/-0.278 χ^2/NDF: 789559.7/19

All: 1236.579+/-0.195 χ^2/NDF: 1381728.3/41

- sign 1253.874+/-0.274 χ^2/NDF: 584060.3/21

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1747.801+/-467.451 χ^2/NDF:3.3/3

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

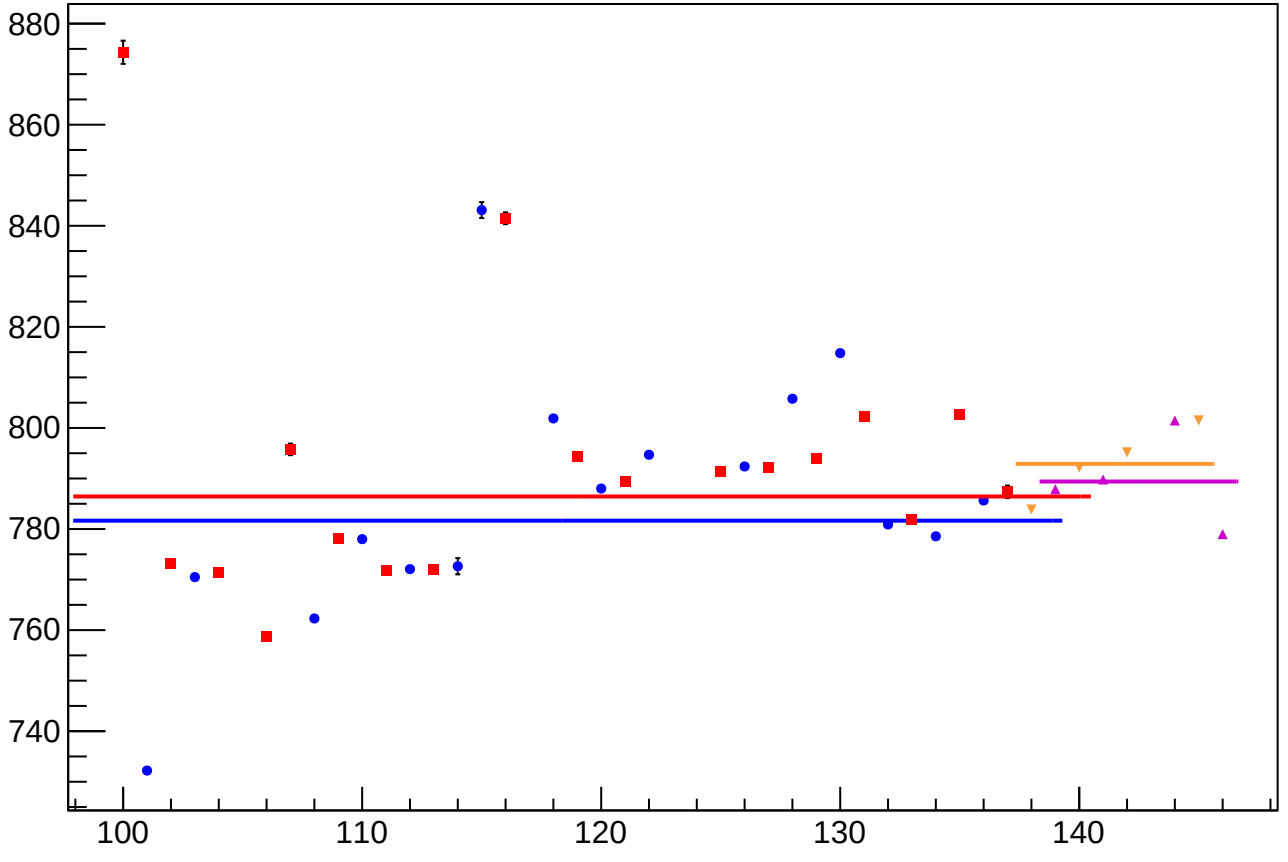
Left In: -2369.112+/-419.961 χ^2/NDF:2.2/3

+ sign 2152.090+/-246.694 χ^2/NDF: 12.1/19

All: -64.392+/-171.476 χ^2/NDF: 182.9/41

- sign -2136.427+/-238.520 χ^2/NDF: 14.6/21

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 792.890+/-0.331 χ^2/NDF:403.0/3

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

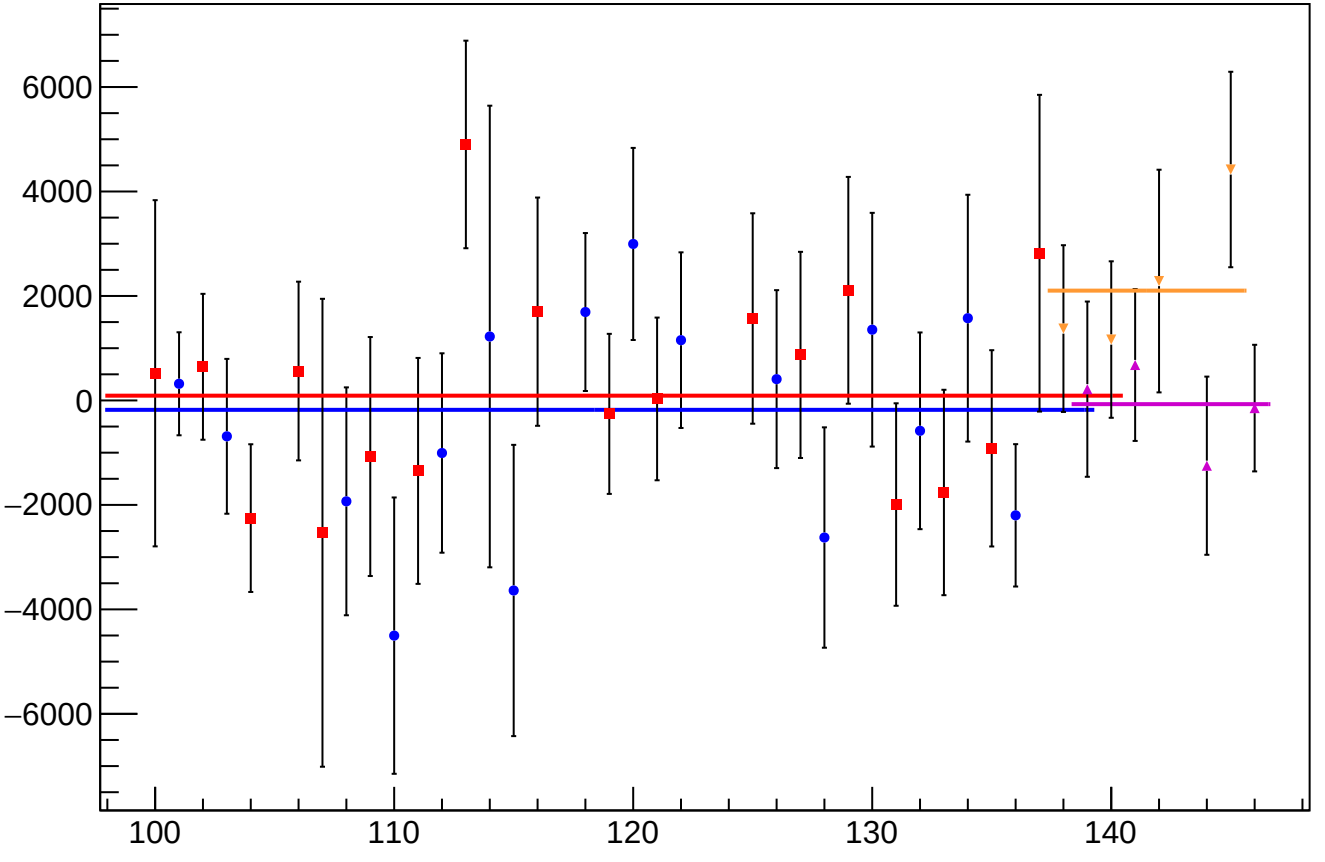
Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

+ sign 784.783+/-0.174 χ^2/NDF: 13555.8/19

All: 786.134+/-0.121 χ^2/NDF: 21677.8/41

- sign 787.397+/-0.169 χ^2/NDF: 8005.9/21

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: 2102.274+/-862.568 χ^2/NDF:2.1/3

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

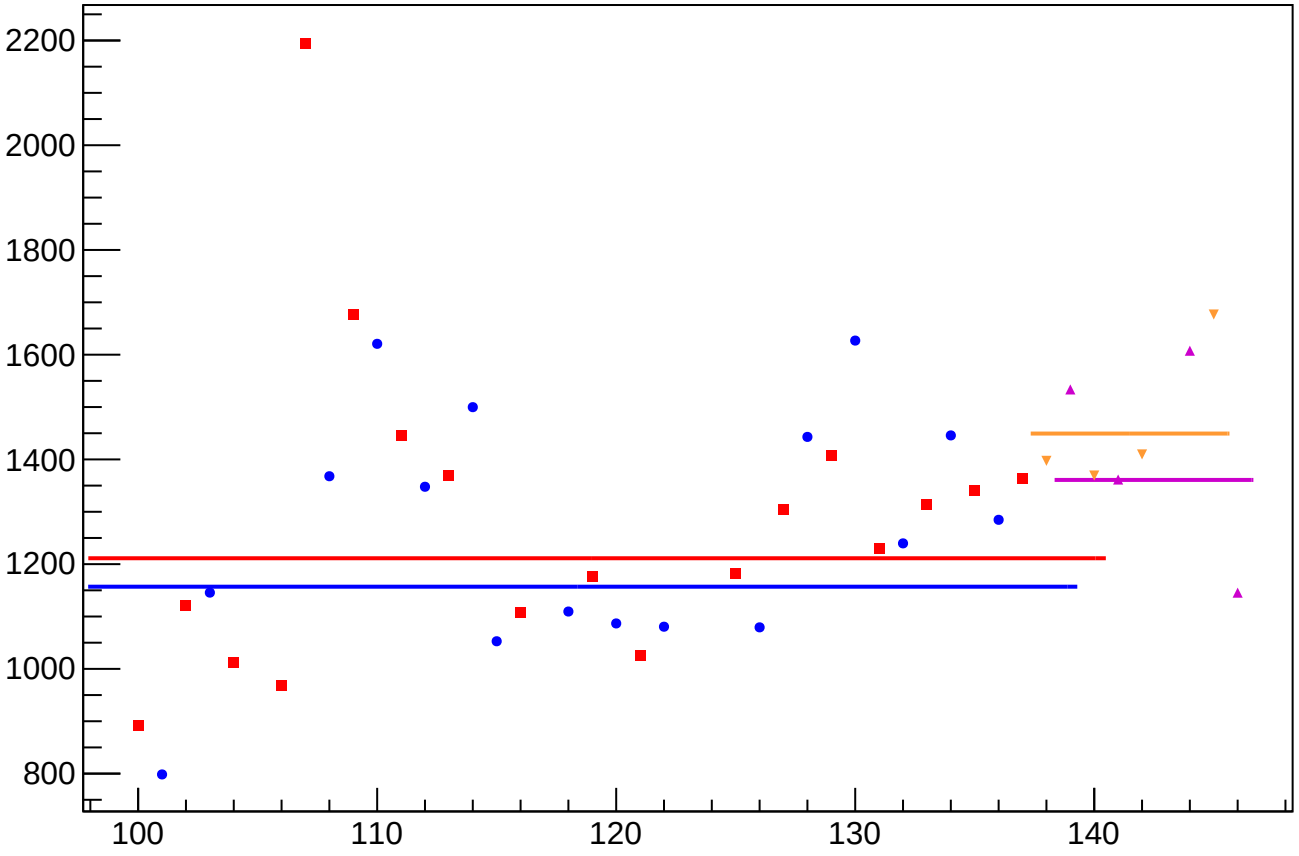
Left In: -71.035+/-734.604 χ^2/NDF:0.8/3

+ sign 292.610+/-392.496 χ^2/NDF: 23.1/19

All: 167.626+/-275.463 χ^2/NDF: 39.3/41

- sign 46.309+/-386.696 χ^2/NDF: 16.0/21

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1449.385+/-0.610 χ^2/NDF:38082.8/3

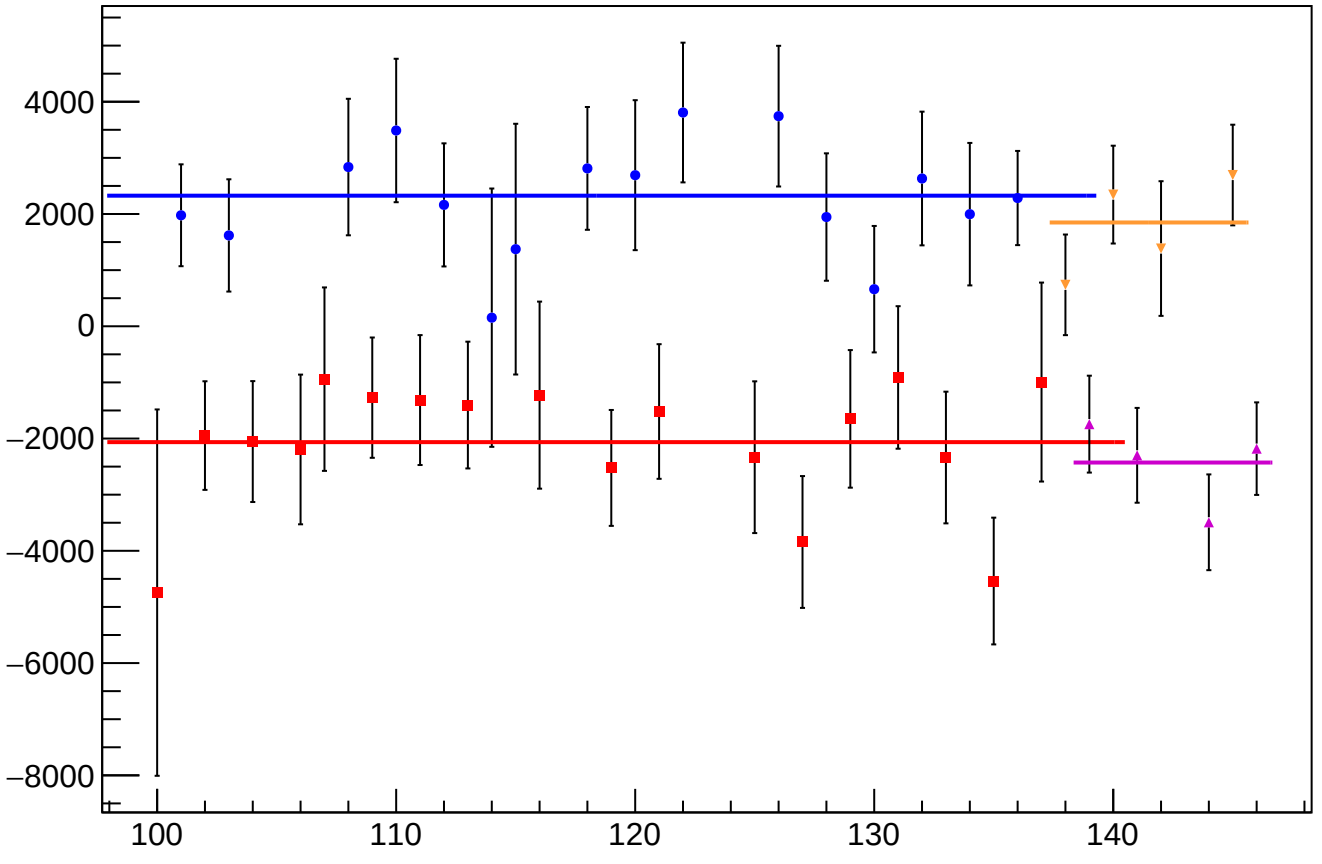
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

+ sign 1217.498+/-0.278 χ^2/NDF: 789488.1/19

All: 1235.365+/-0.195 χ^2/NDF: 1381517.1/41

- sign 1252.708+/-0.273 χ^2/NDF: 583861.7/21



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

Left Out: 1849.051+/-471.340 χ^2/NDF:2.9/3

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

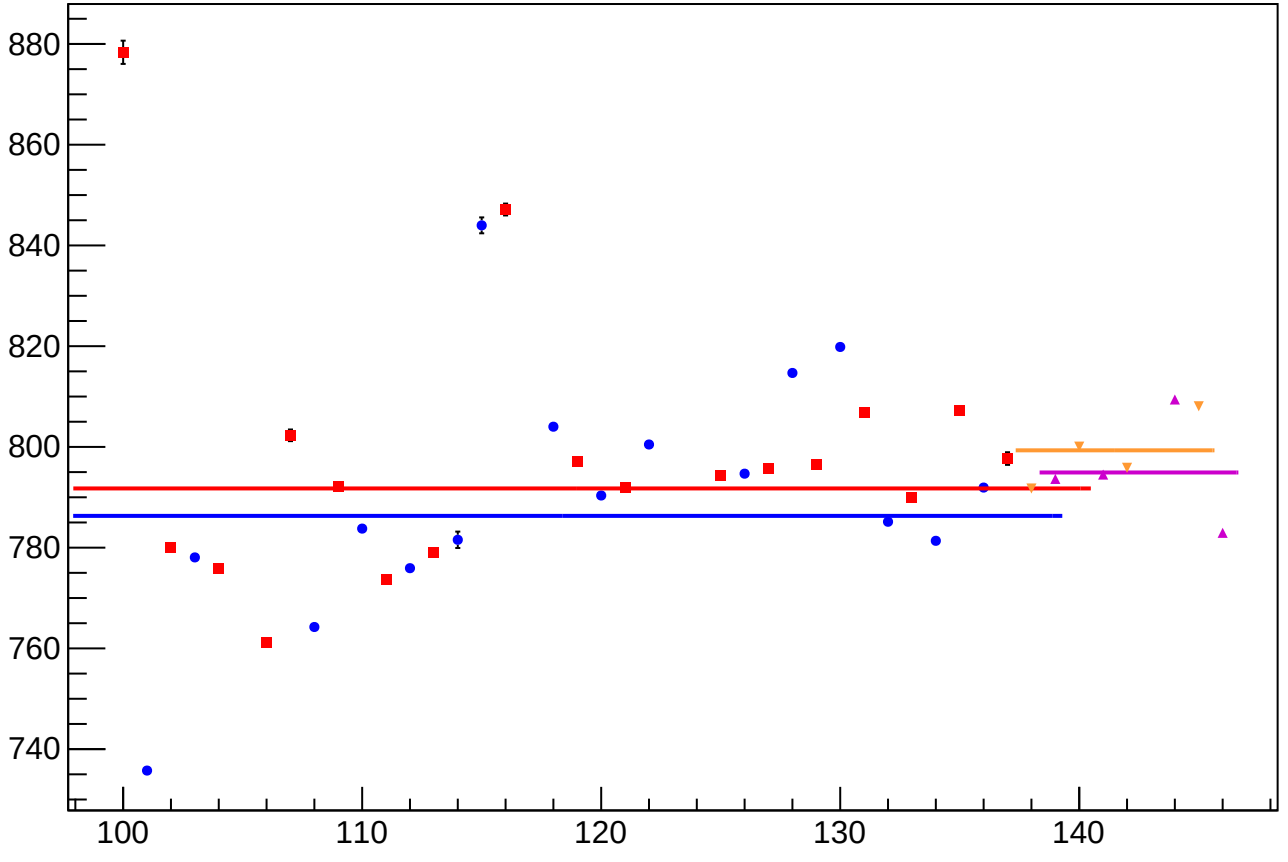
Left In: -2427.523+/-422.952 χ^2/NDF:2.3/3

+ sign 2193.914+/-248.334 χ^2/NDF: 11.8/19

All: -66.660+/-172.643 χ^2/NDF: 186.6/41

- sign -2181.209+/-240.179 χ^2/NDF: 14.4/21

dit_asym_us_avg_rms vs Slug



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

Left Out: 799.322+/-0.333 χ^2/NDF:351.4/3

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

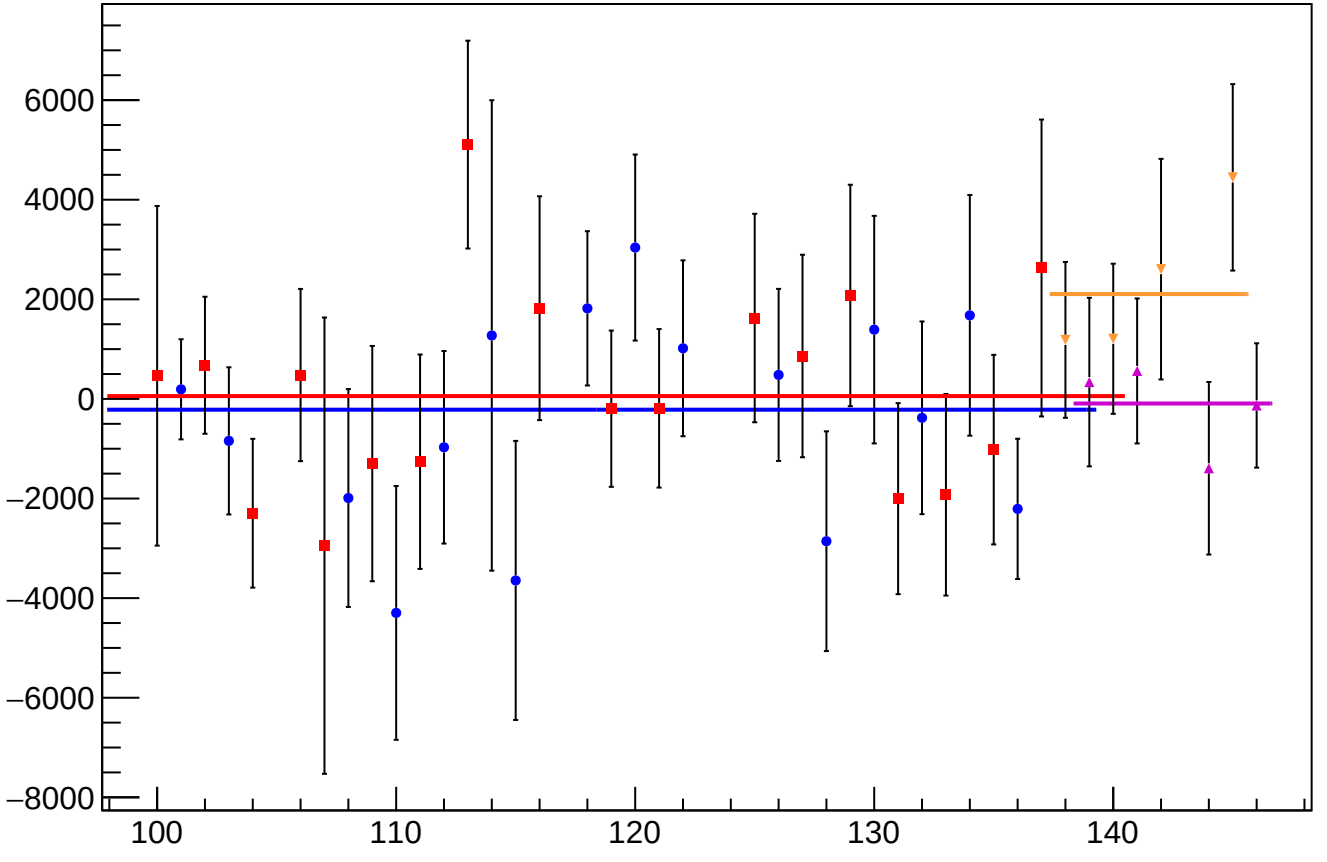
Left In: 794.925+/-0.299 χ^2/NDF:1004.5/3

+ sign 789.922+/-0.176 χ^2/NDF: 14023.7/19

All: 791.398+/-0.122 χ^2/NDF: 22256.0/41

- sign 792.778+/-0.170 χ^2/NDF: 8095.6/21

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: 2105.449+/-864.579 χ^2/NDF:2.3/3

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

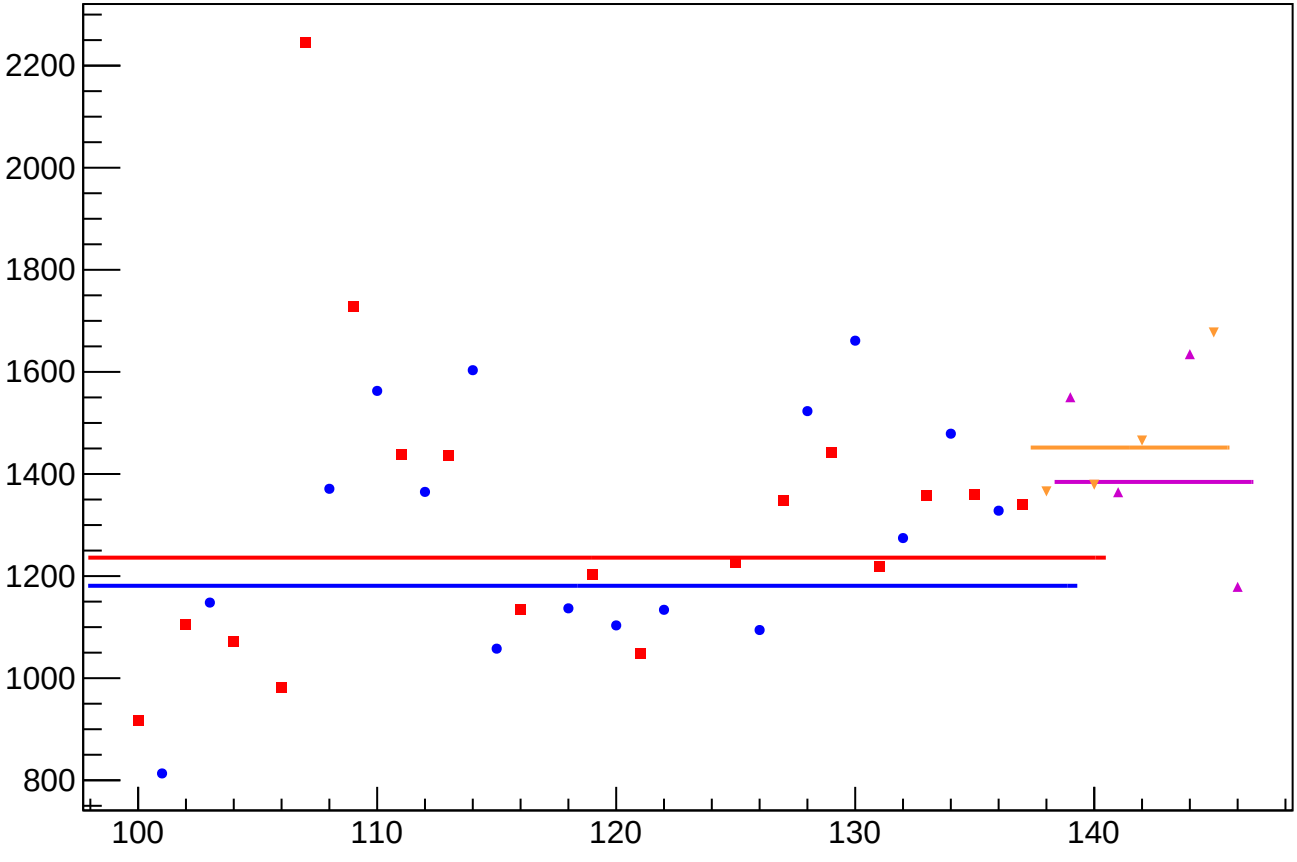
Left In: -91.794+/-746.201 χ^2/NDF:0.8/3

+ sign 277.891+/-398.845 χ^2/NDF: 23.3/19

All: 145.027+/-280.305 χ^2/NDF: 39.5/41

- sign 15.358+/-394.021 χ^2/NDF: 16.0/21

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1451.825+/-0.611 χ^2/NDF:39775.1/3

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

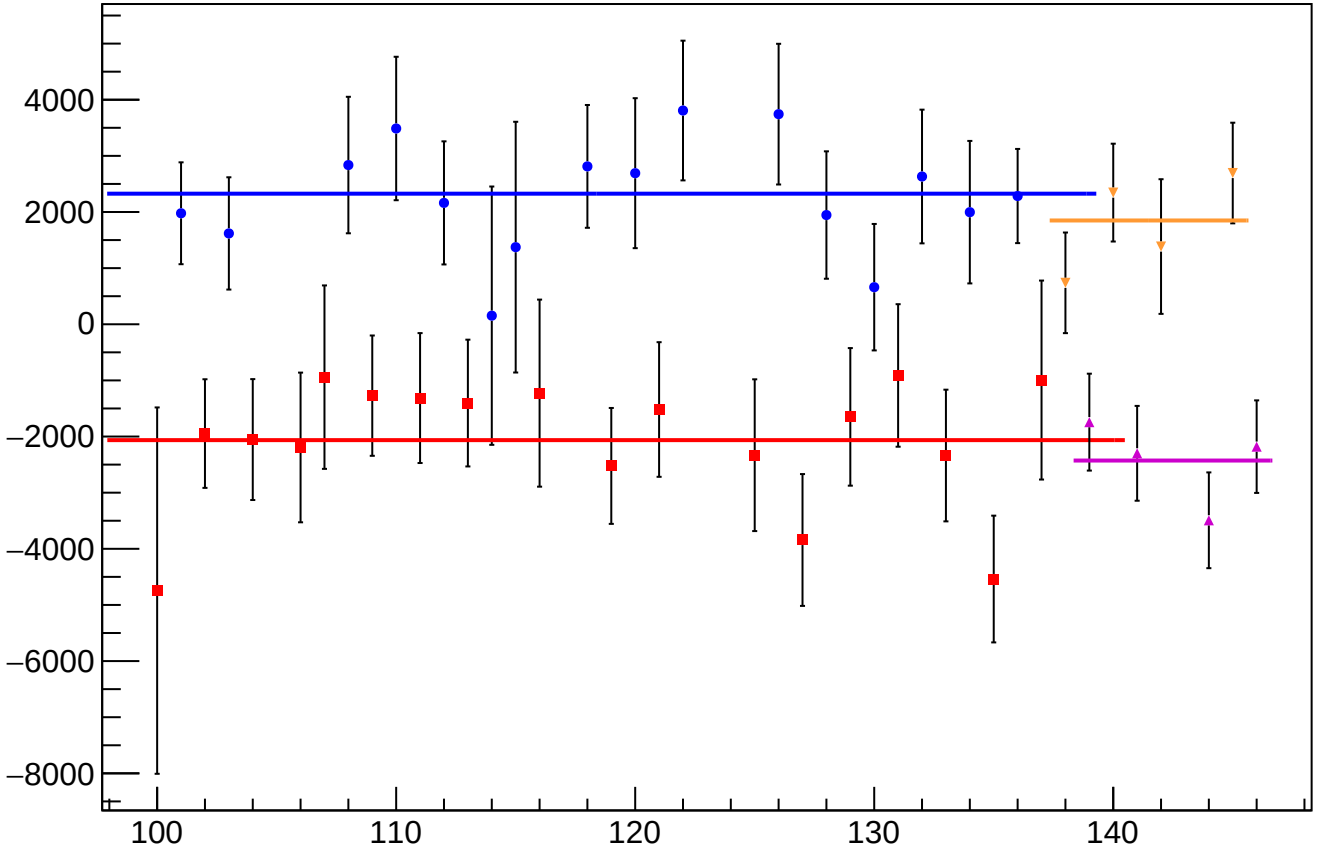
Left In: 1384.457+/-0.528 χ^2/NDF:115577.0/3

+ sign 1238.633+/-0.282 χ^2/NDF: 765366.4/19

All: 1258.298+/-0.198 χ^2/NDF: 1344779.2/41

- sign 1277.490+/-0.279 χ^2/NDF: 569806.2/21

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1849.057+/-471.340 χ^2/NDF:2.9/3

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

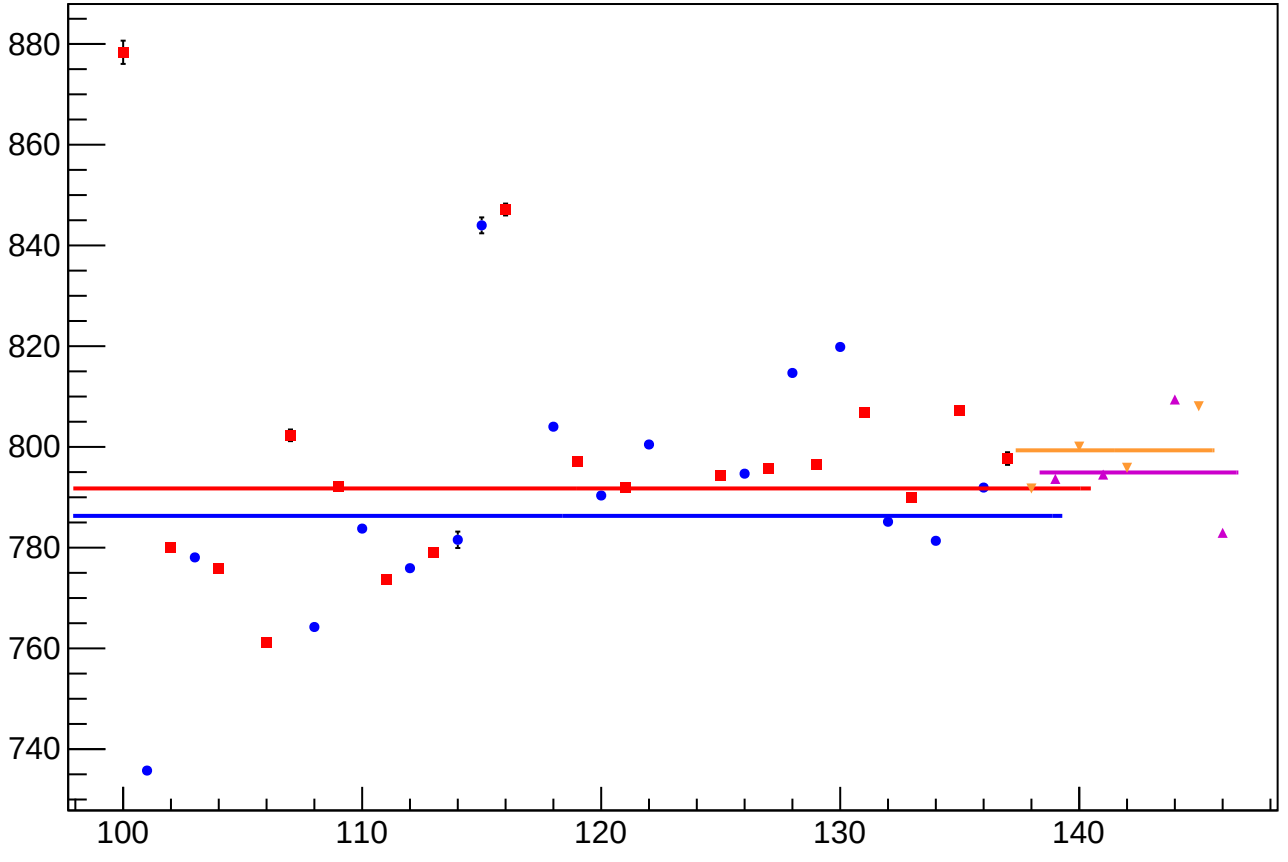
Left In: -2427.522+/-422.952 χ^2/NDF:2.3/3

+ sign 2193.916+/-248.334 χ^2/NDF: 11.8/19

All: -66.659+/-172.643 χ^2/NDF: 186.6/41

- sign -2181.208+/-240.179 χ^2/NDF: 14.4/21

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 799.322+/-0.333 χ^2/NDF:351.4/3

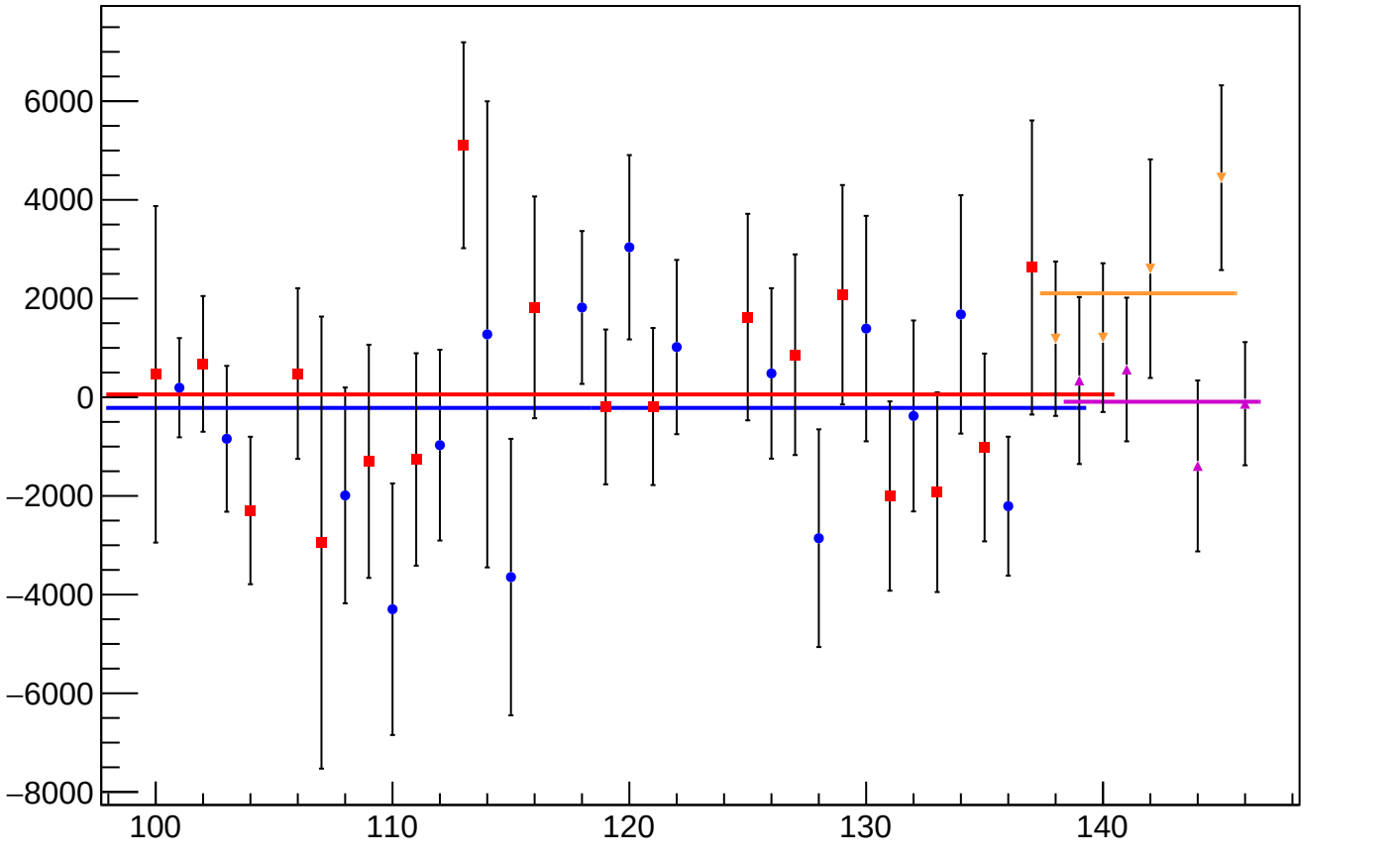
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 794.925+/-0.299 χ^2/NDF:1004.5/3

+ sign 789.922+/-0.176 χ^2/NDF: 14023.6/19

All: 791.397+/-0.122 χ^2/NDF: 22256.0/41

- sign 792.778+/-0.170 χ^2/NDF: 8095.6/21



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

Left Out: 2105.454+/-864.581 χ^2/NDF:2.3/3

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

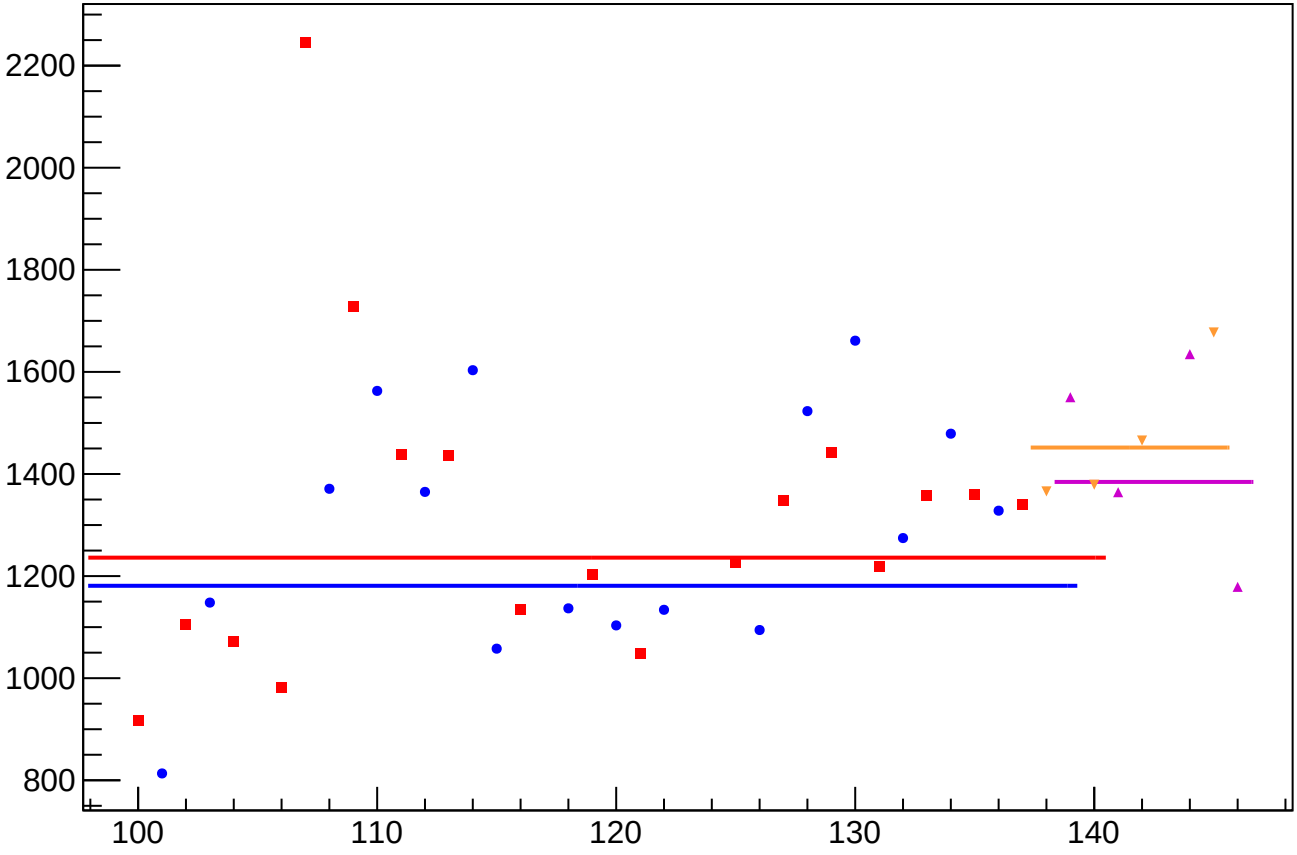
Left In: -91.793+/-746.203 χ^2/NDF:0.8/3

+ sign 277.889+/-398.844 χ^2/NDF: 23.3/19

All: 145.026+/-280.304 χ^2/NDF: 39.5/41

- sign 15.358+/-394.020 χ^2/NDF: 16.0/21

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1451.828+/-0.611 χ^2/NDF:39775.3/3

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

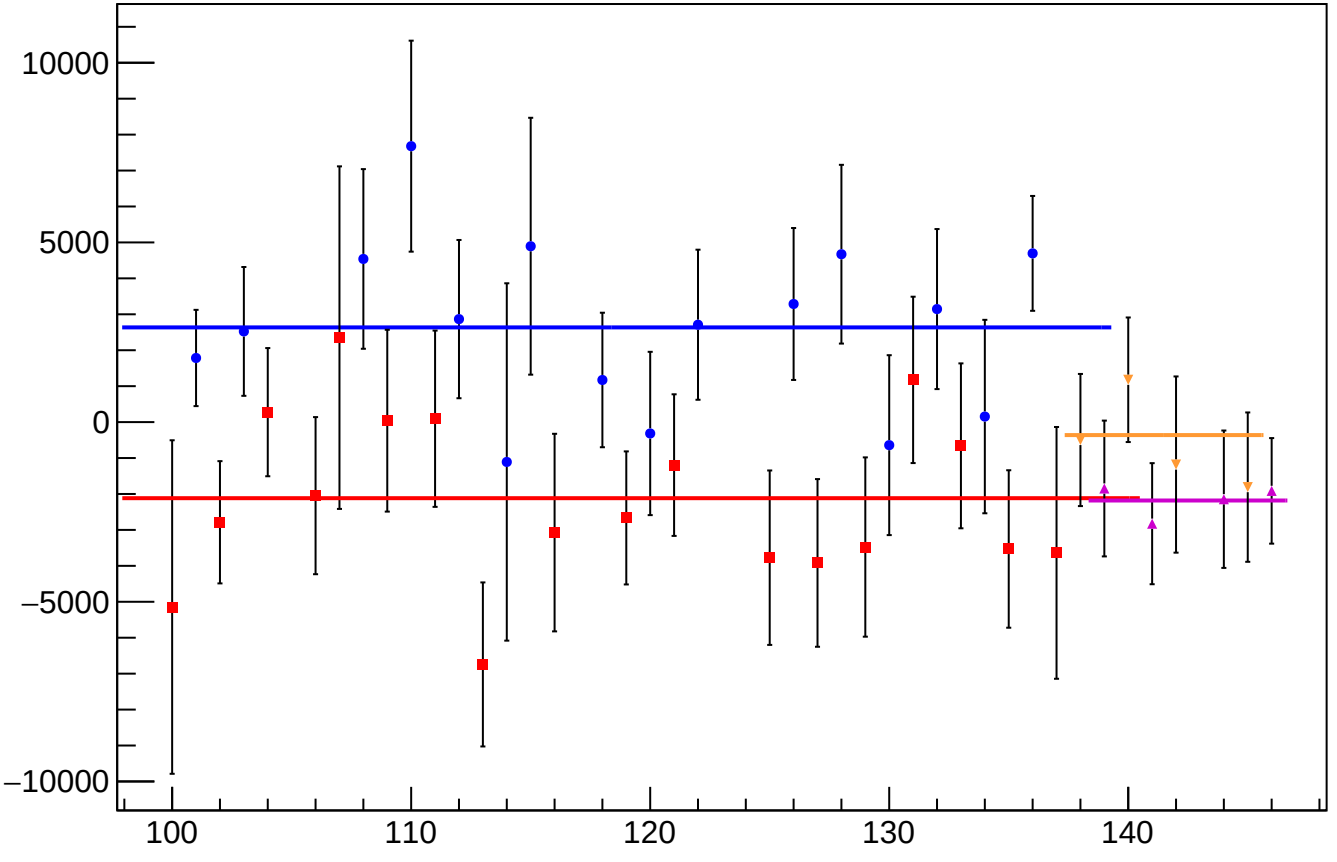
Left In: 1384.460+/-0.528 χ^2/NDF:115577.6/3

+ sign 1238.631+/-0.282 χ^2/NDF: 765371.2/19

All: 1258.296+/-0.198 χ^2/NDF: 1344787.7/41

- sign 1277.488+/-0.279 χ^2/NDF: 569809.8/21

asym_us_avg_mean vs Slug



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

Left Out: -361.255+/-986.945 χ^2/NDF:1.4/3

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

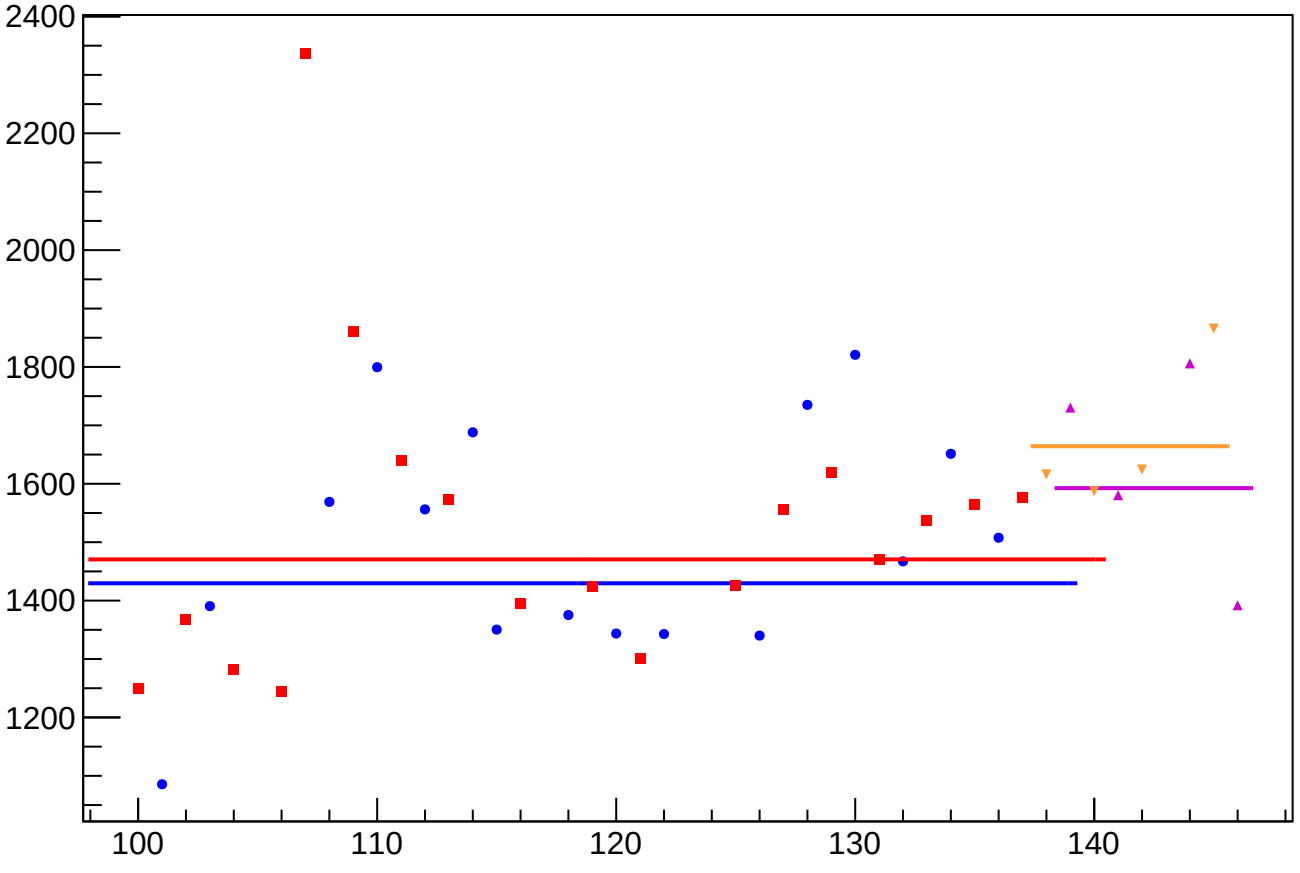
Left In: -2181.628+/-854.462 χ^2/NDF:0.2/3

+ sign 1948.855+/-472.398 χ^2/NDF: 20.8/19

All: -143.516+/-329.923 χ^2/NDF: 73.0/41

- sign -2135.925+/-460.976 χ^2/NDF: 13.9/21

asym_us_avg_rms vs Slug



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

Left Out: 1664.315+/-0.698 χ^2/NDF:24646.6/3

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

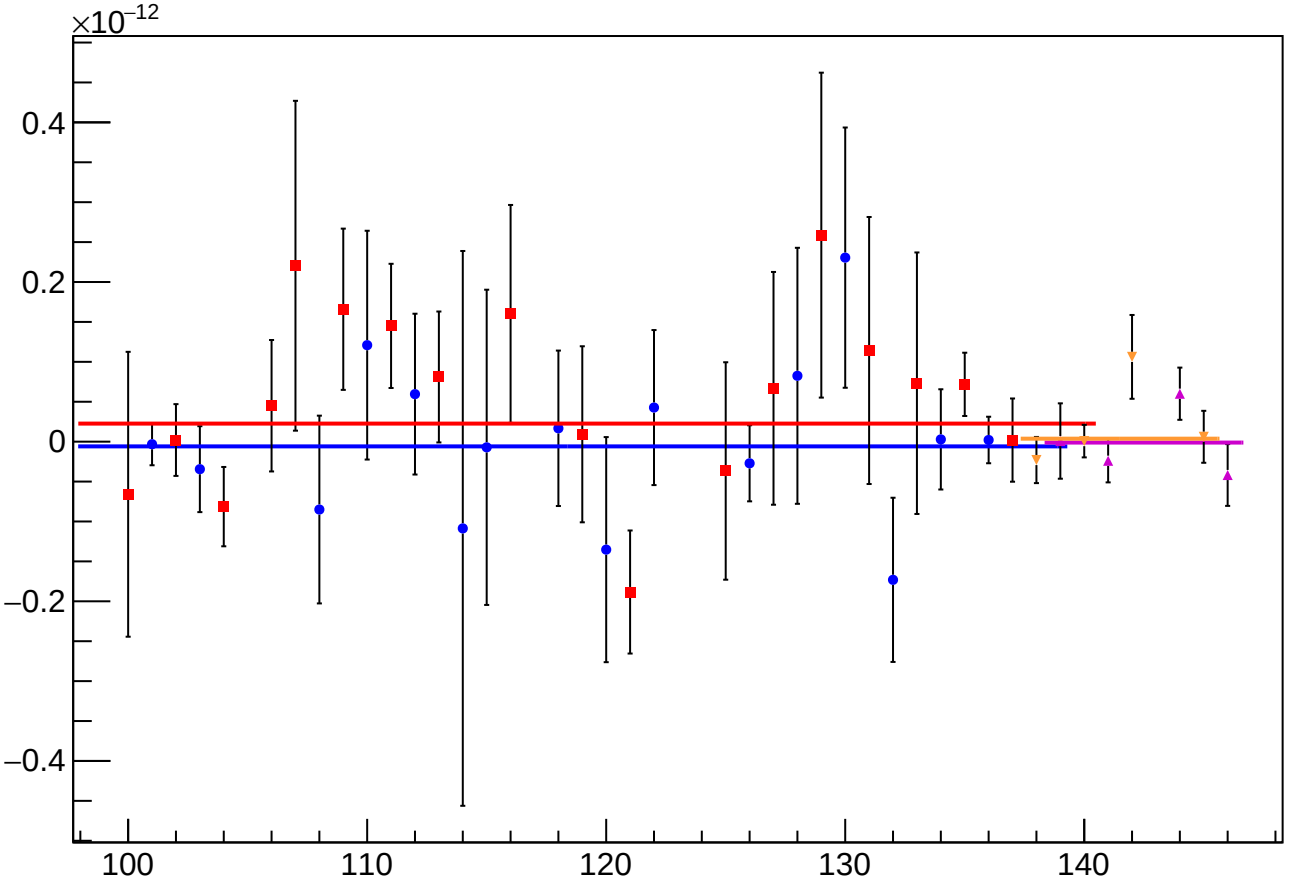
Left In: 1592.529+/-0.604 χ^2/NDF:72993.9/3

+ sign 1483.415+/-0.334 χ^2/NDF: 405196.6/19

All: 1495.016+/-0.233 χ^2/NDF: 727501.0/41

- sign 1506.063+/-0.326 χ^2/NDF: 319949.7/21

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/3

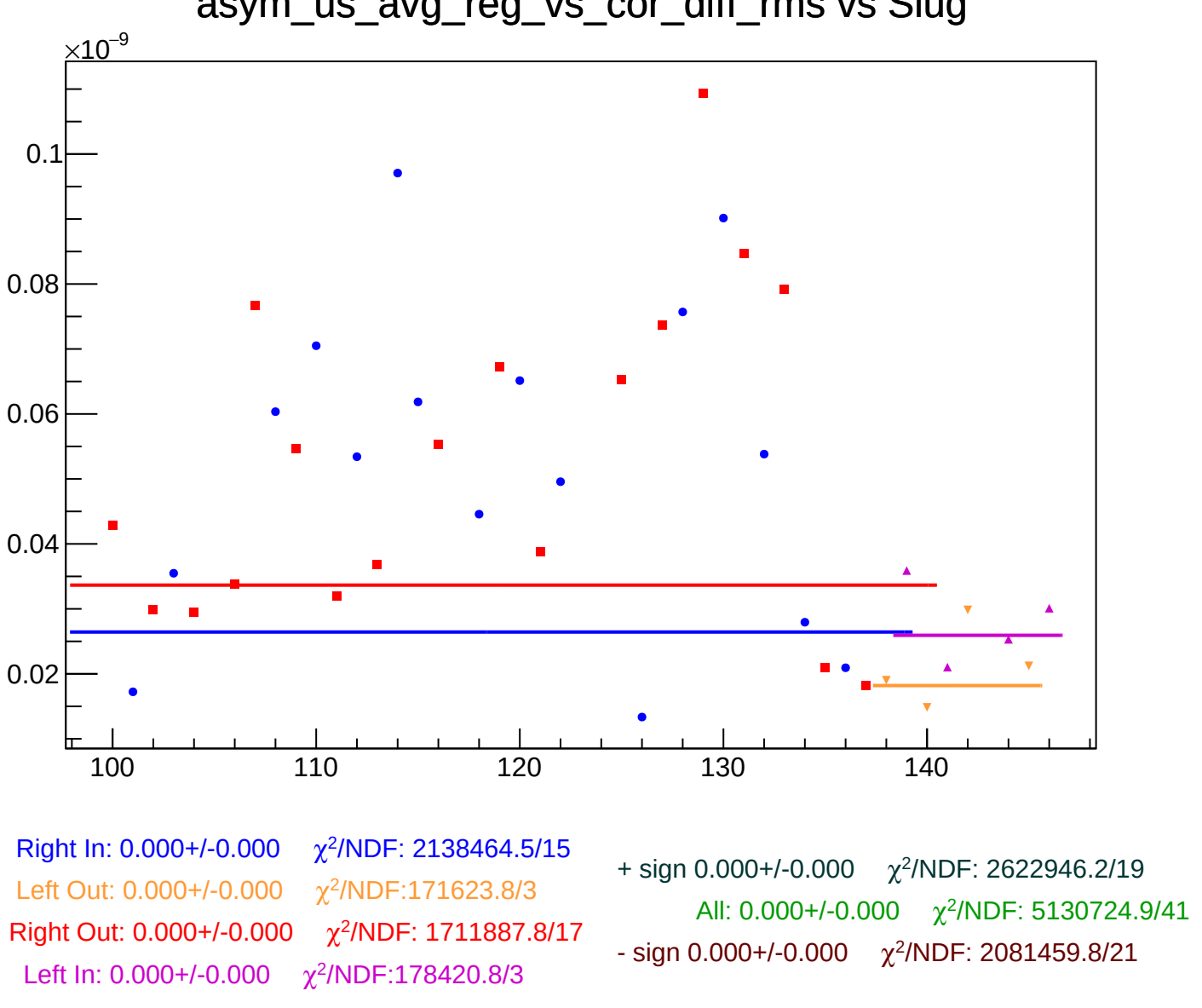
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.3/3

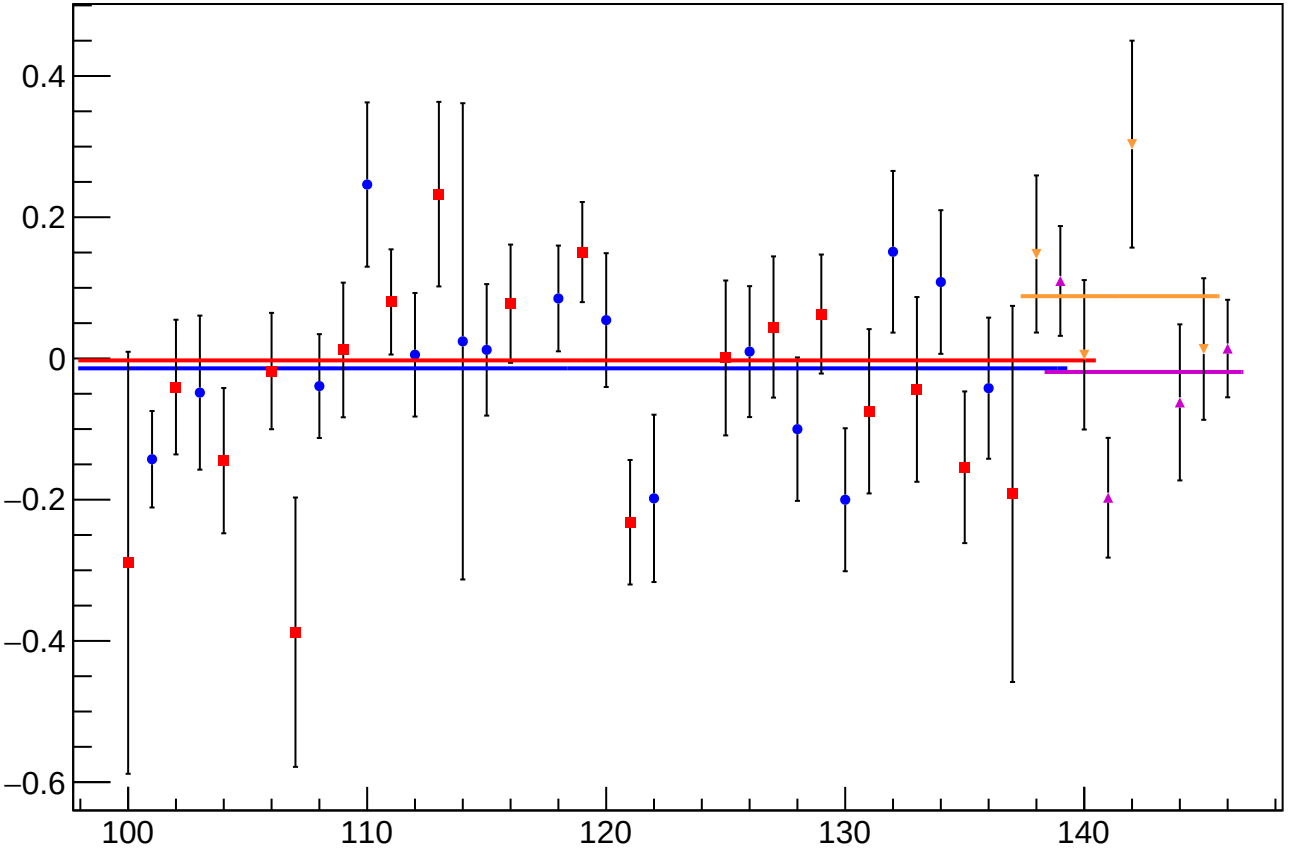
+ sign -0.000+/-0.000 χ^2/NDF: 13.4/19

All: 0.000+/-0.000 χ^2/NDF: 43.2/41

- sign 0.000+/-0.000 χ^2/NDF: 29.3/21


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
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:171623.8/3
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:178420.8/3
+ sign 0.000+/-0.000 χ²/NDF: 2622946.2/19
All: 0.000+/-0.000 χ²/NDF: 5130724.9/41
- sign 0.000+/-0.000 χ²/NDF: 2081459.8/21

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

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

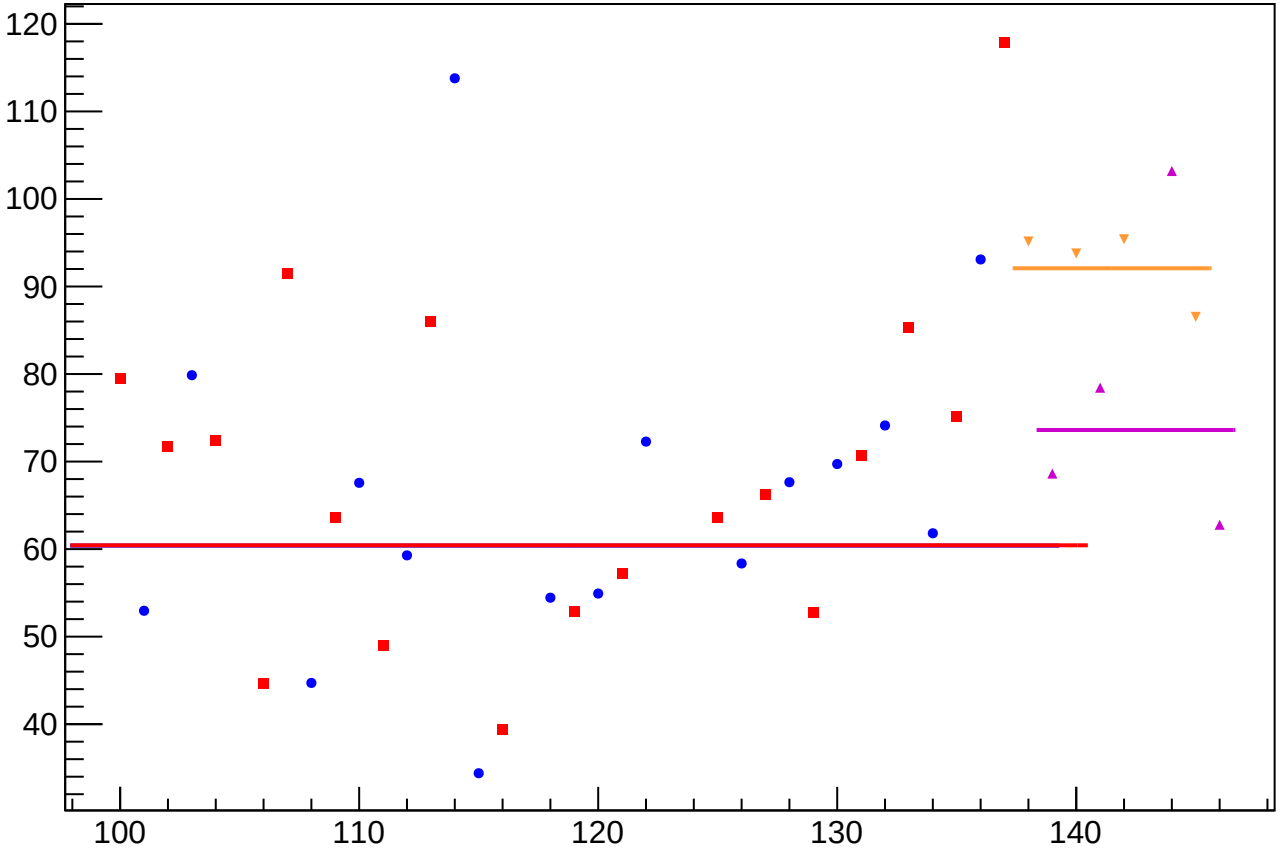
Left In: -0.019+/-0.041 χ^2/NDF:7.5/3

+ sign 0.002+/-0.022 χ^2/NDF: 27.8/19

All: -0.003+/-0.015 χ^2/NDF: 63.3/41

- sign -0.007+/-0.021 χ^2/NDF: 35.4/21

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 92.083+/-0.040 χ^2/NDF:9184.8/3

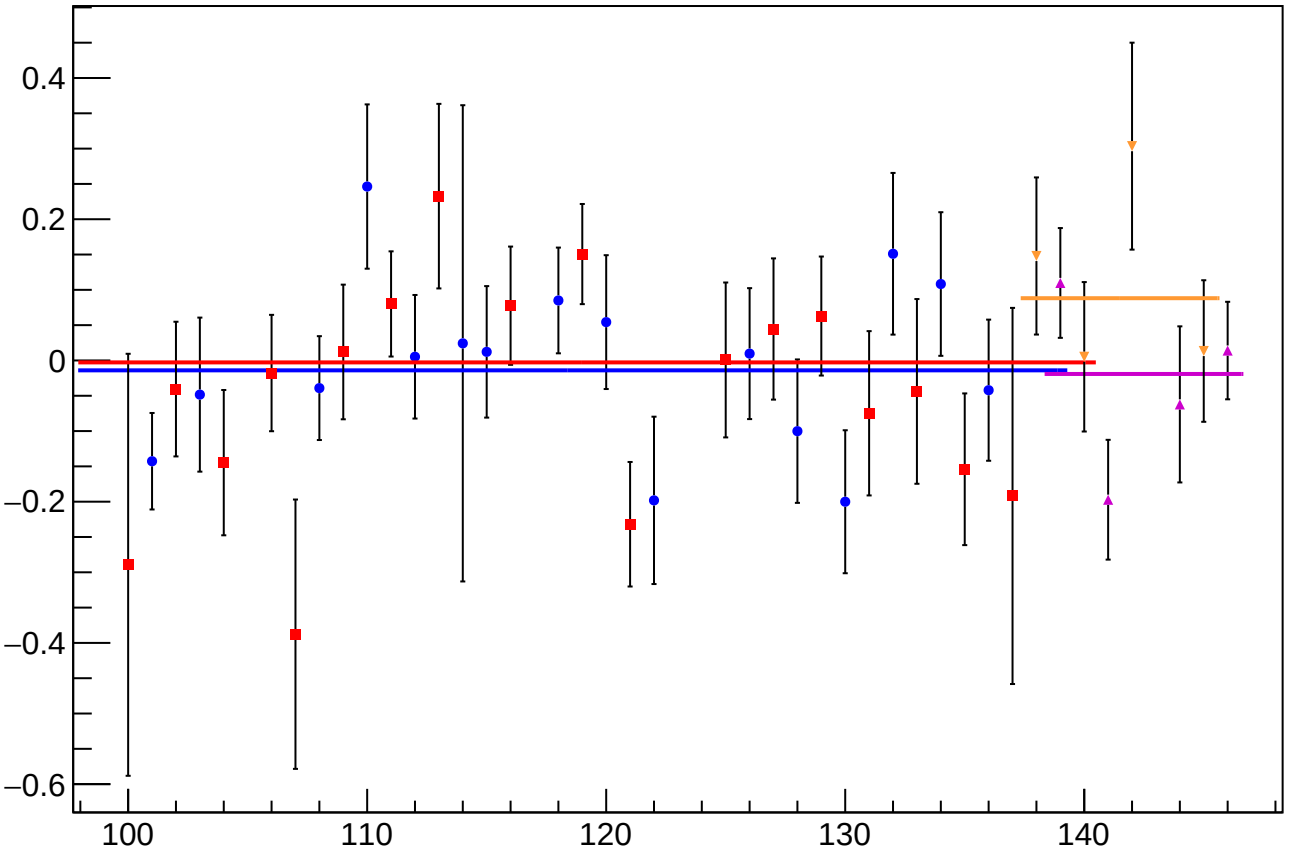
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 73.608+/-0.029 χ^2/NDF:207137.4/3

+ sign 65.233+/-0.016 χ^2/NDF: 1250339.0/19

All: 64.447+/-0.011 χ^2/NDF: 2328063.6/41

- sign 63.758+/-0.015 χ^2/NDF: 1072922.9/21



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

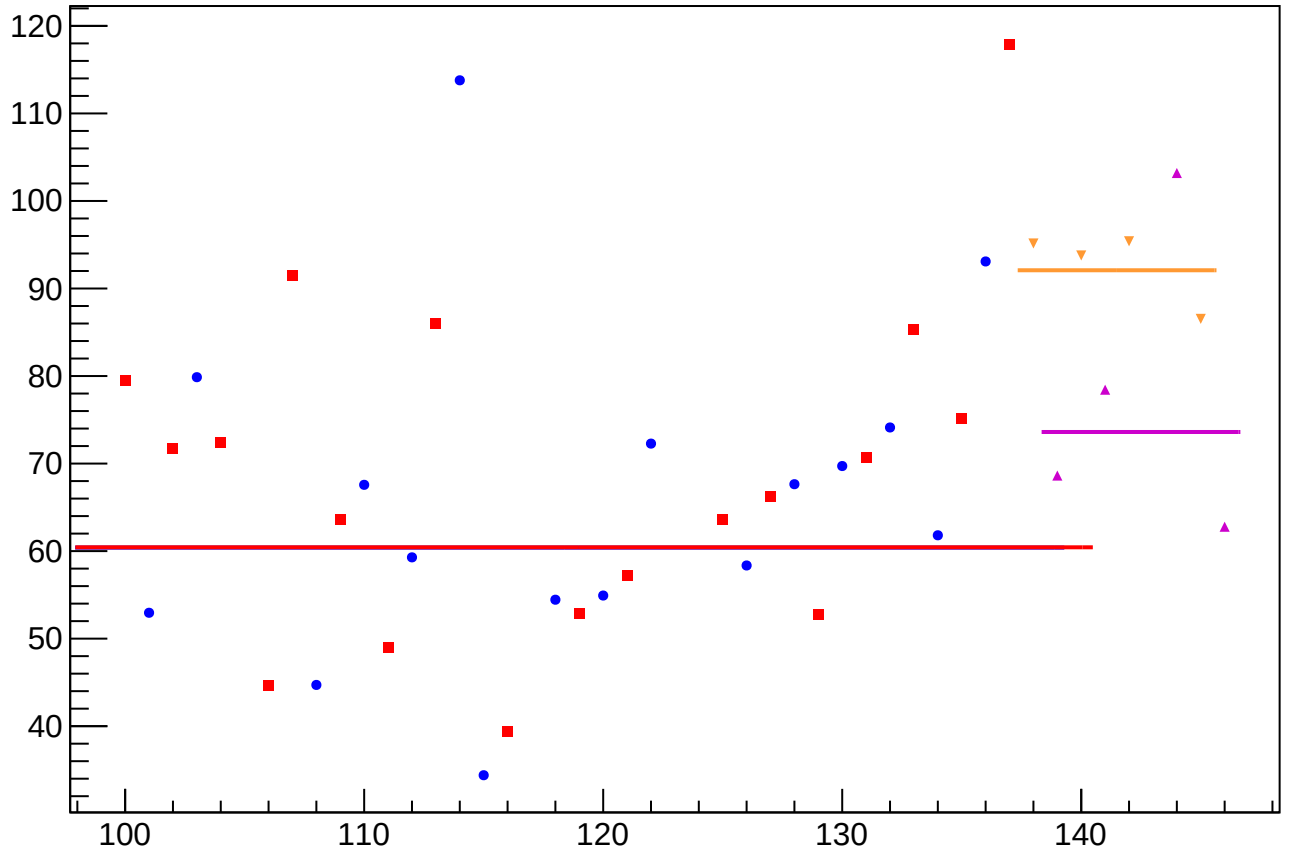
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.019+/-0.041 χ^2/NDF:7.5/3

+ sign 0.002+/-0.022 χ^2/NDF: 27.8/19

All: -0.003+/-0.015 χ^2/NDF: 63.3/41

- sign -0.007+/-0.021 χ^2/NDF: 35.4/21



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

Left Out: 92.083+/-0.040 χ^2/NDF:9184.8/3

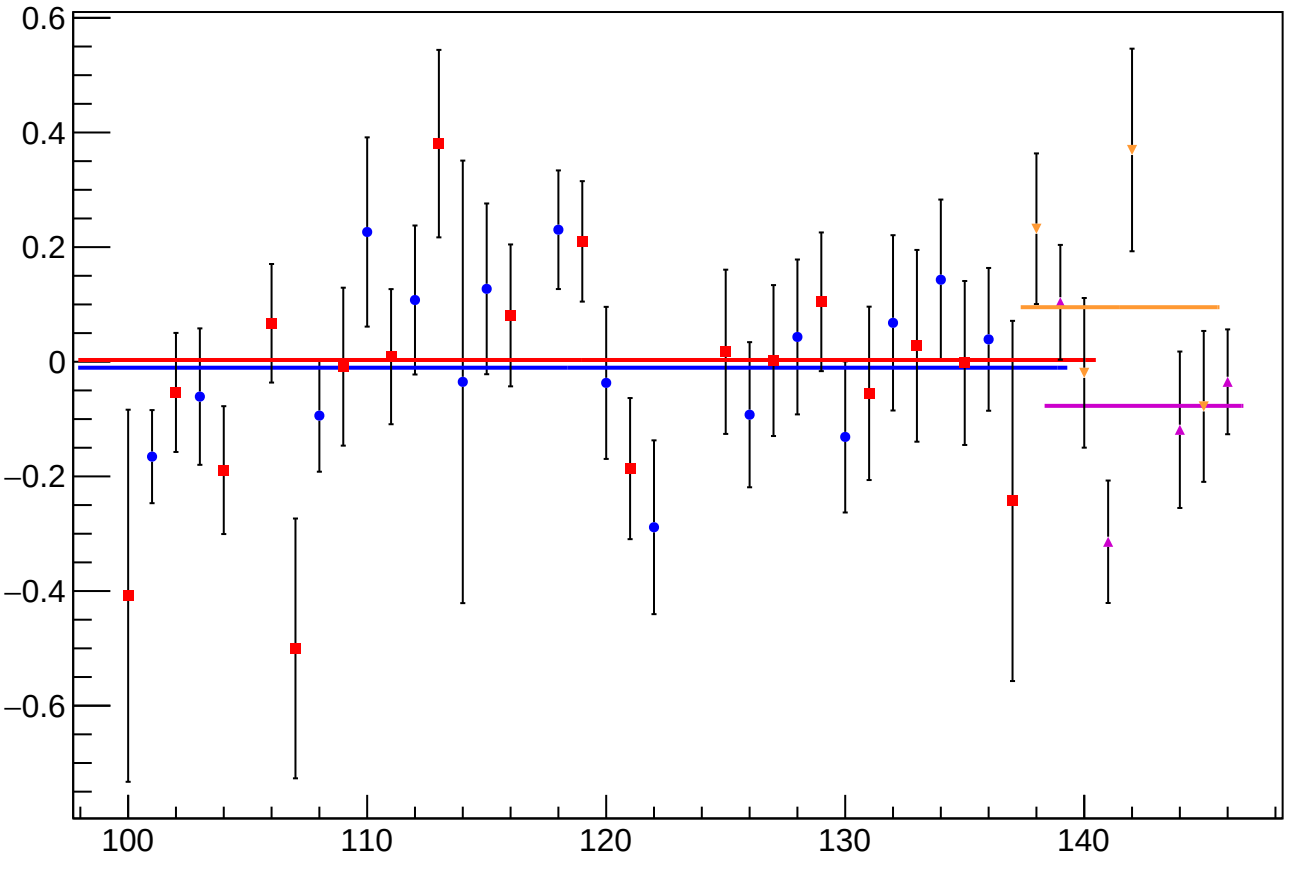
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 73.608+/-0.029 χ^2/NDF:207137.4/3

+ sign 65.233+/-0.016 χ^2/NDF: 1250339.0/19

All: 64.447+/-0.011 χ^2/NDF: 2328063.6/41

- sign 63.758+/-0.015 χ^2/NDF: 1072922.9/21



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

Left Out: 0.095+/-0.070 χ^2/NDF:6.0/3

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

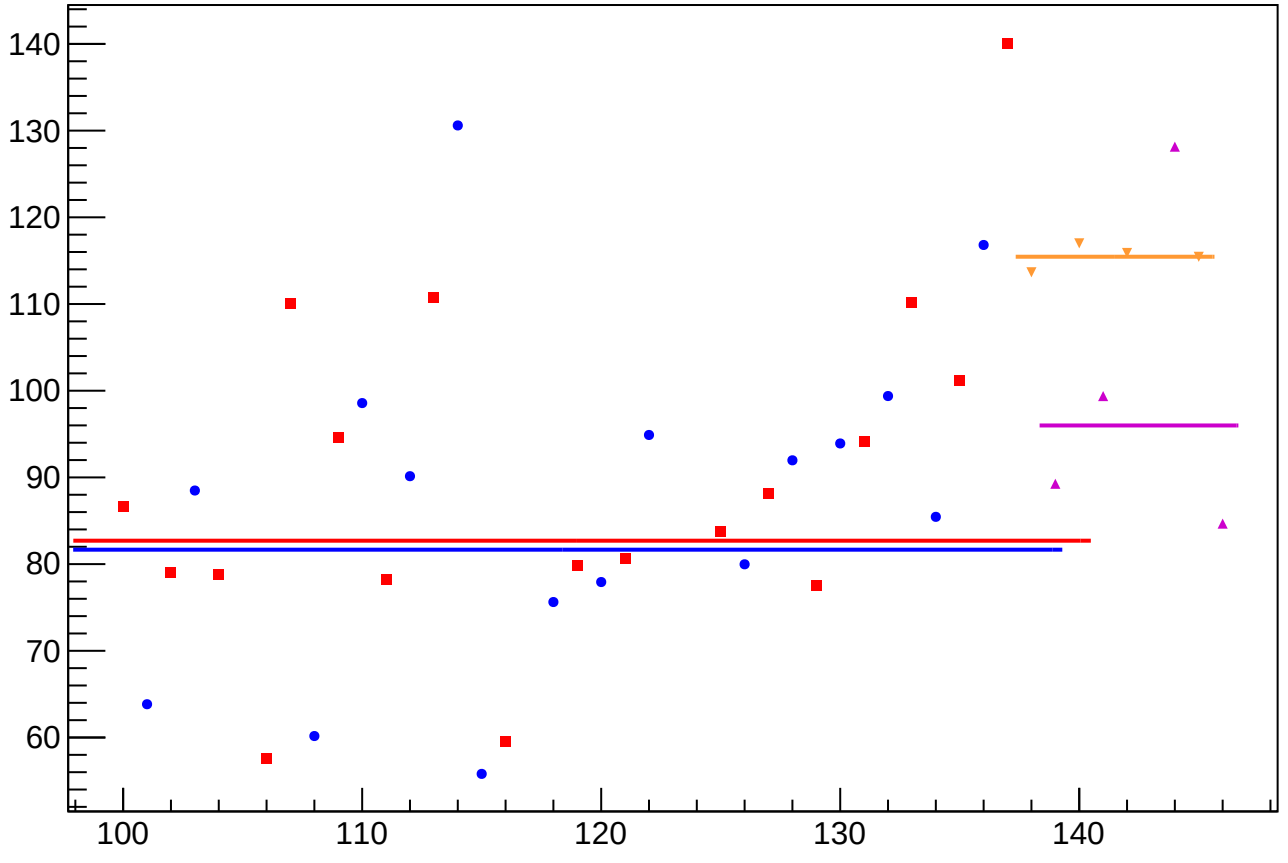
Left In: -0.077+/-0.053 χ^2/NDF:8.5/3

+ sign 0.008+/-0.029 χ^2/NDF: 28.1/19

All: -0.006+/-0.020 χ^2/NDF: 62.3/41

- sign -0.018+/-0.027 χ^2/NDF: 33.8/21

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 115.455+/-0.049 χ^2/NDF:664.7/3

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

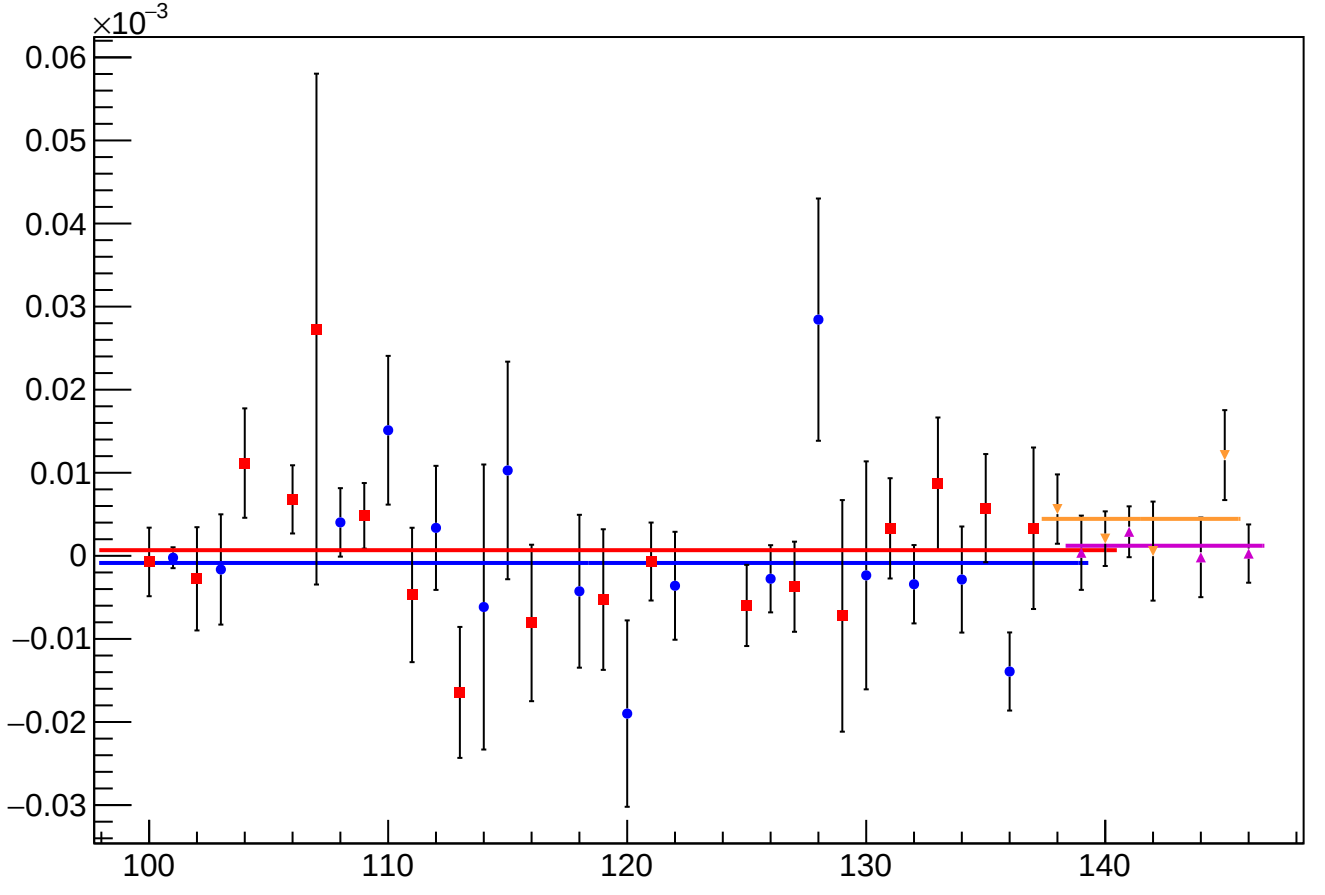
Left In: 95.992+/-0.037 χ^2/NDF:152751.2/3

+ sign 87.437+/-0.020 χ^2/NDF: 953131.4/19

All: 86.806+/-0.014 χ^2/NDF: 1674212.2/41

- sign 86.243+/-0.019 χ^2/NDF: 719260.3/21

asym_us_avg_eigen_dit_vs_dit_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:3.0/3

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

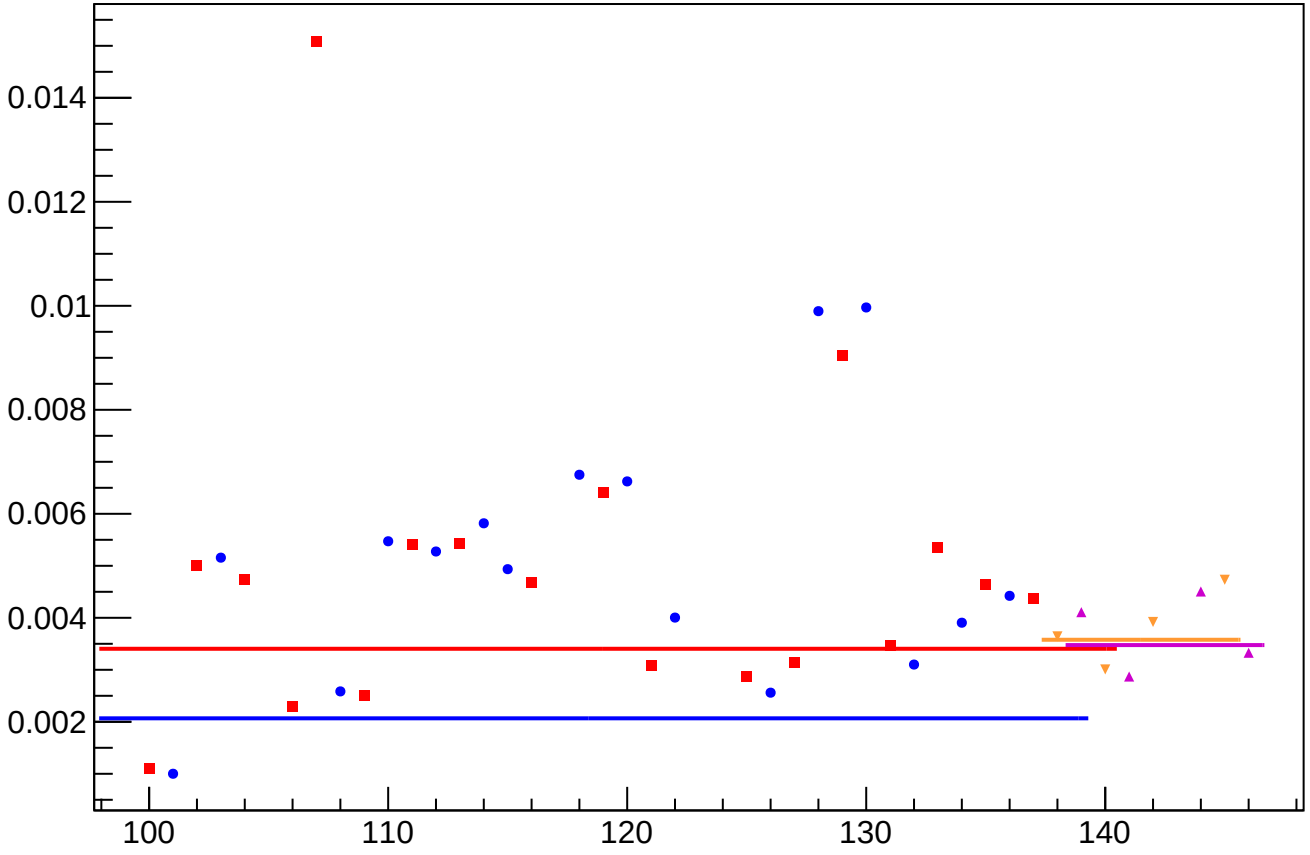
Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.3/19

All: 0.000+/-0.000 χ^2/NDF: 48.4/41

- sign 0.000+/-0.000 χ^2/NDF: 18.9/21

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.004+/-0.000 χ^2/NDF:158197.8/3

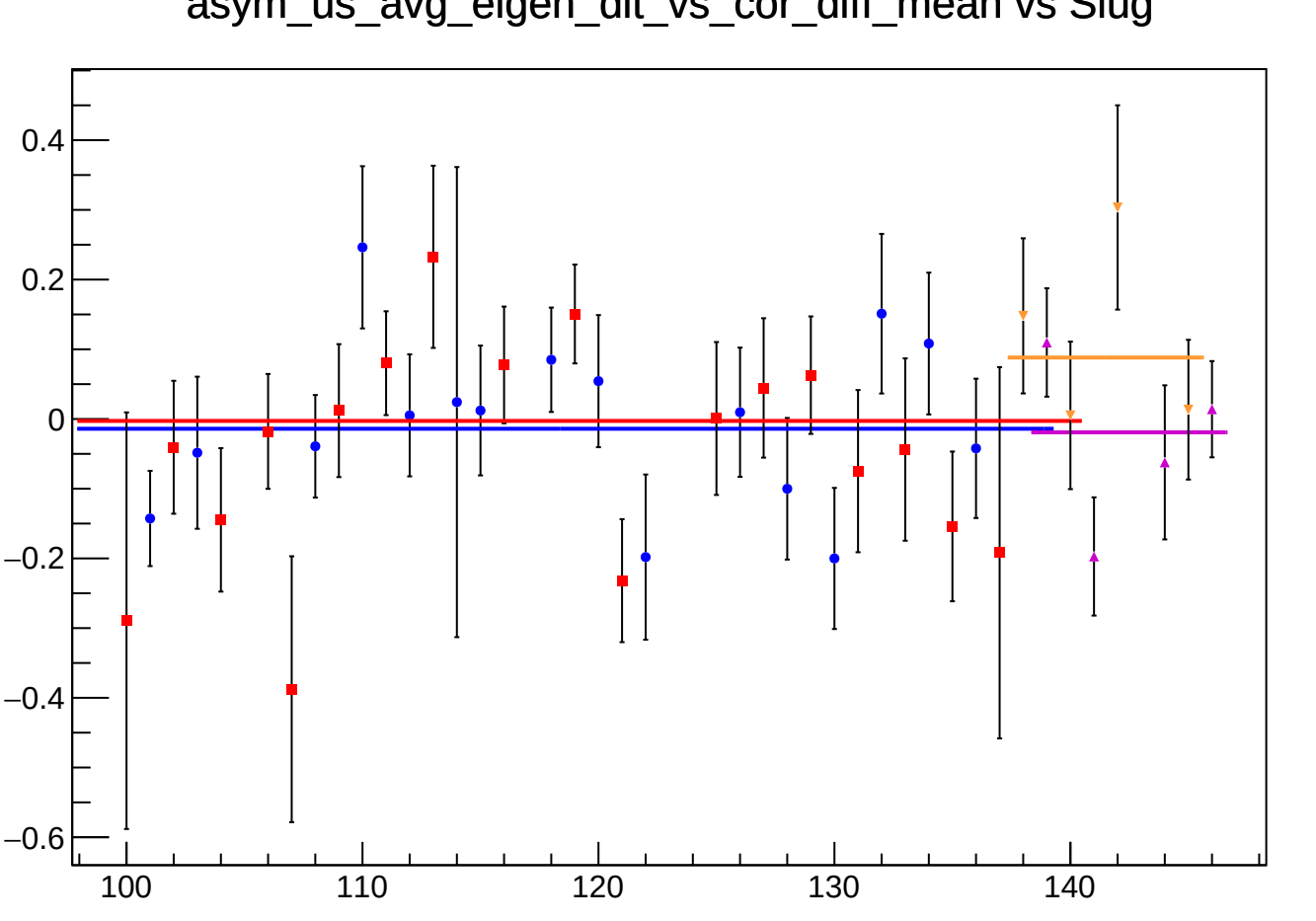
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:214167.4/3

+ sign 0.002+/-0.000 χ^2/NDF: 6768434.2/19

All: 0.003+/-0.000 χ^2/NDF: 10603181.7/41

- sign 0.003+/-0.000 χ^2/NDF: 2707280.4/21



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

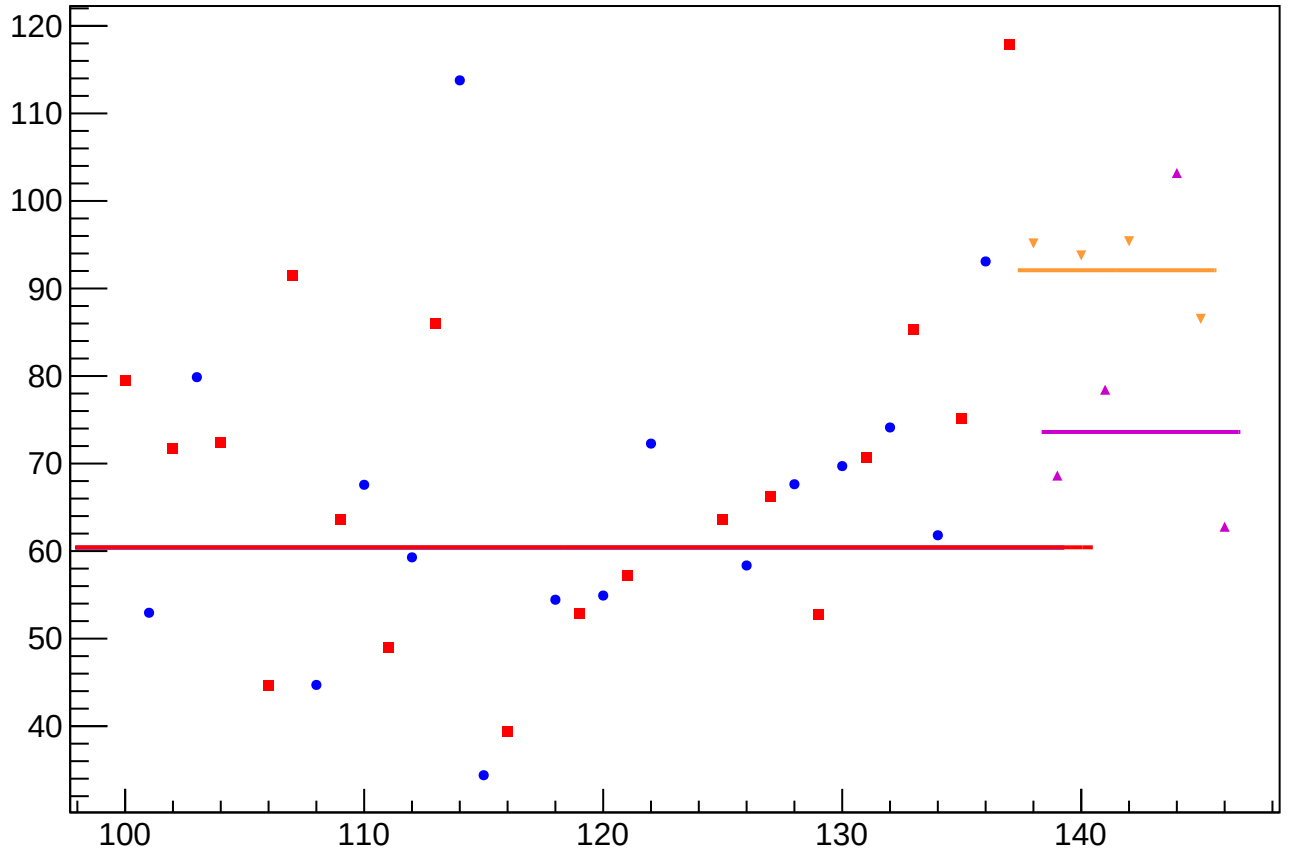
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.019+/-0.041 χ^2/NDF:7.5/3

+ sign 0.002+/-0.022 χ^2/NDF: 27.8/19

All: -0.003+/-0.015 χ^2/NDF: 63.3/41

- sign -0.007+/-0.021 χ^2/NDF: 35.4/21



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

Left Out: 92.083+/-0.040 χ^2/NDF:9186.5/3

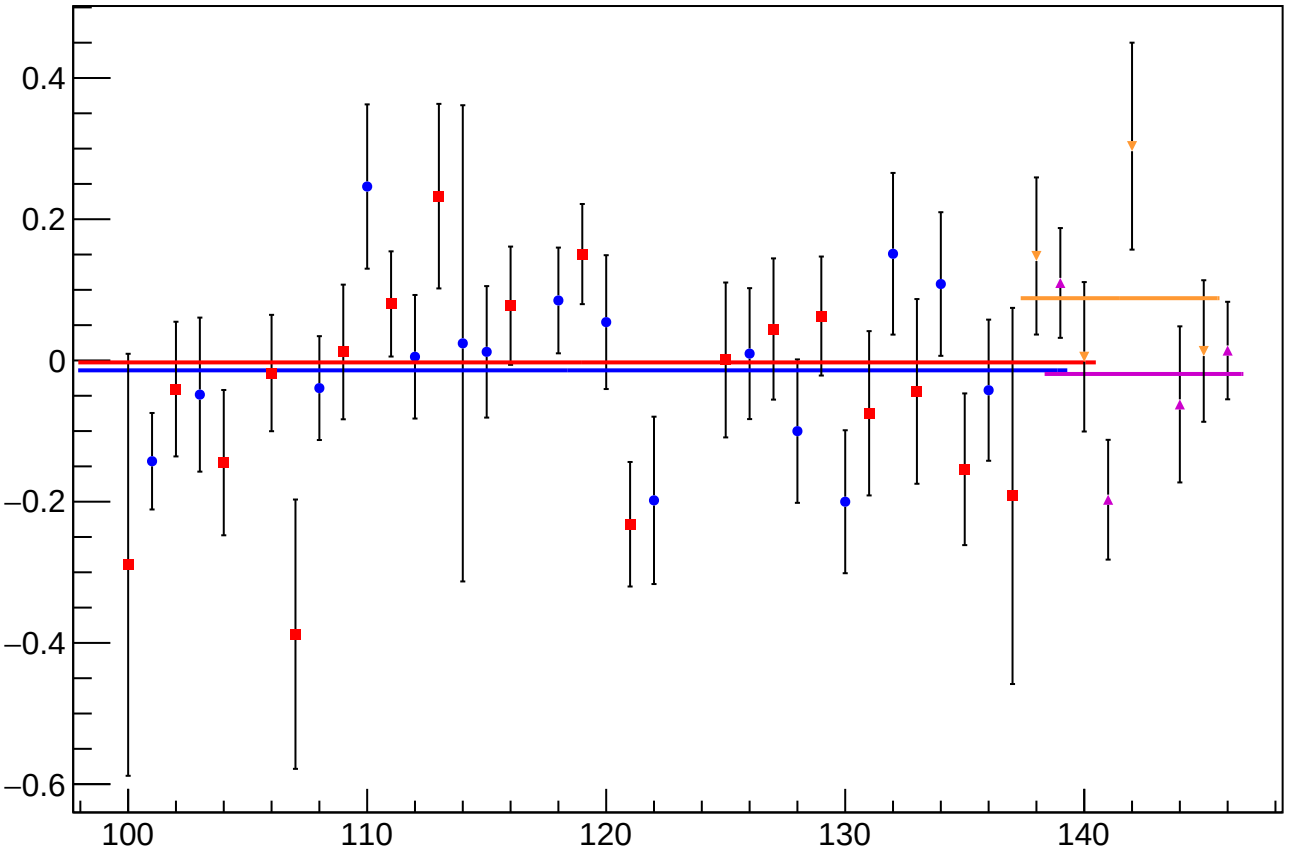
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 73.608+/-0.029 χ^2/NDF:207127.6/3

+ sign 65.231+/-0.016 χ^2/NDF: 1250405.1/19

All: 64.446+/-0.011 χ^2/NDF: 2328199.2/41

- sign 63.757+/-0.015 χ^2/NDF: 1072992.4/21



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

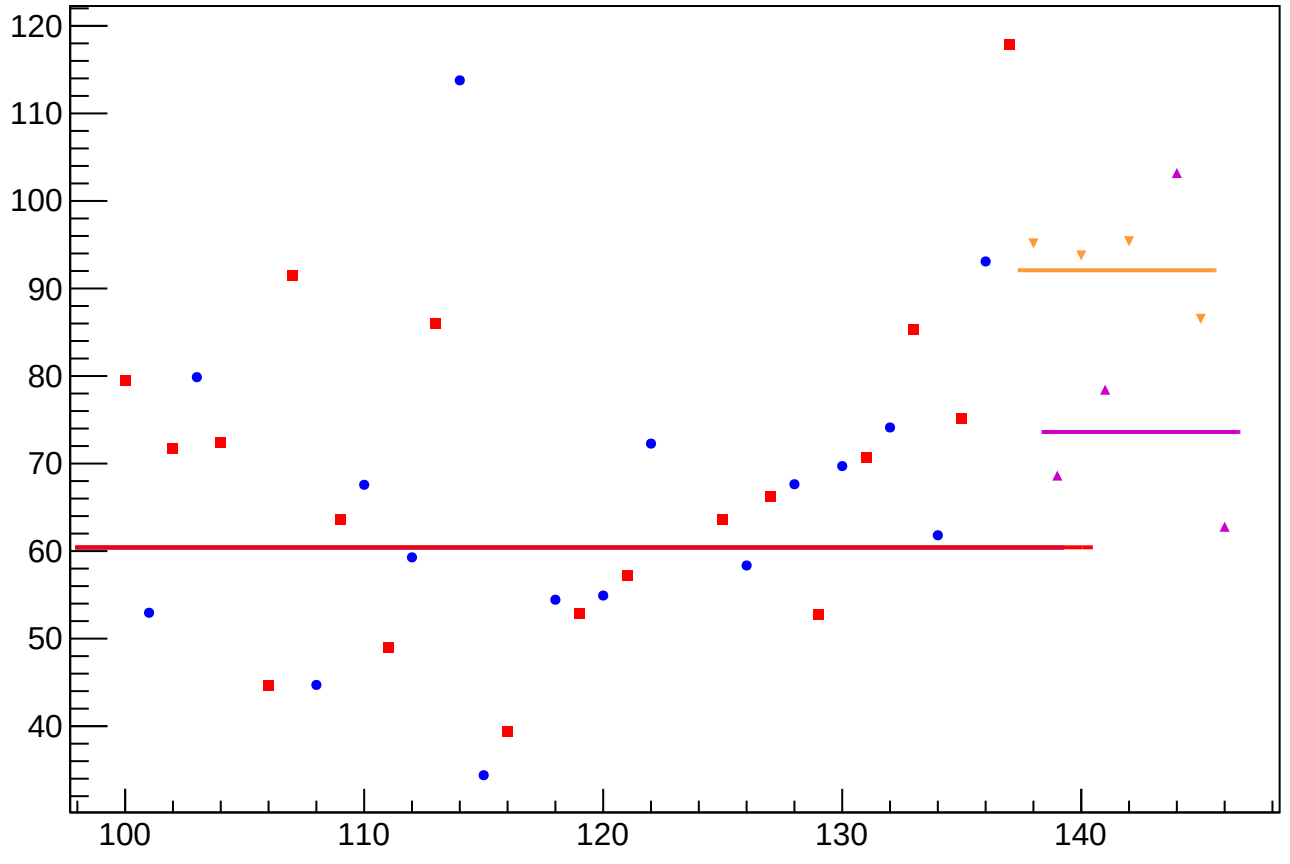
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.019+/-0.041 χ^2/NDF:7.5/3

+ sign 0.002+/-0.022 χ^2/NDF: 27.8/19

All: -0.003+/-0.015 χ^2/NDF: 63.3/41

- sign -0.007+/-0.021 χ^2/NDF: 35.4/21



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

Left Out: 92.083+/-0.040 χ^2/NDF:9186.5/3

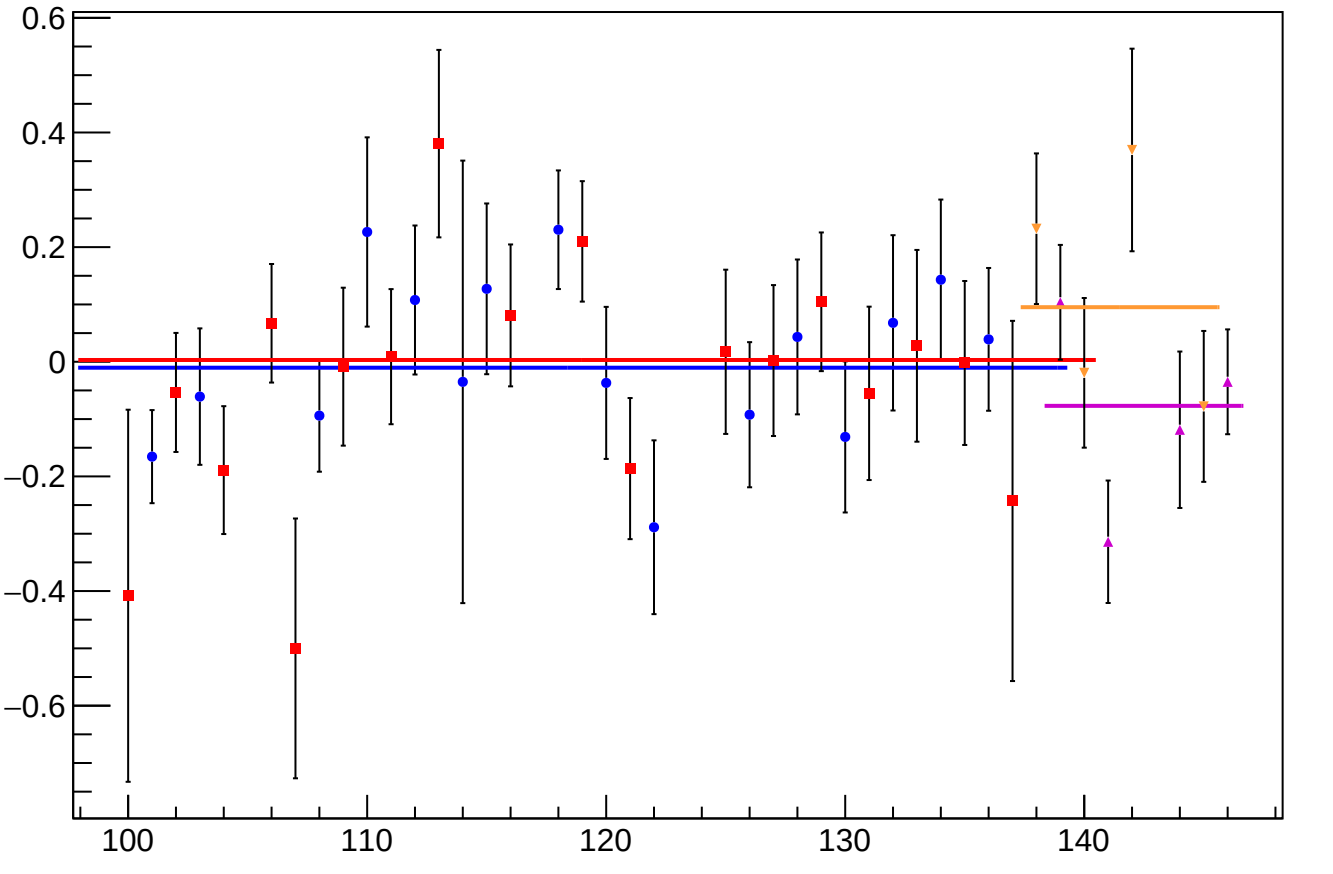
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 73.608+/-0.029 χ^2/NDF:207127.6/3

+ sign 65.231+/-0.016 χ^2/NDF: 1250405.1/19

All: 64.446+/-0.011 χ^2/NDF: 2328199.2/41

- sign 63.757+/-0.015 χ^2/NDF: 1072992.4/21



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

Left Out: 0.095+/-0.070 χ^2/NDF:6.0/3

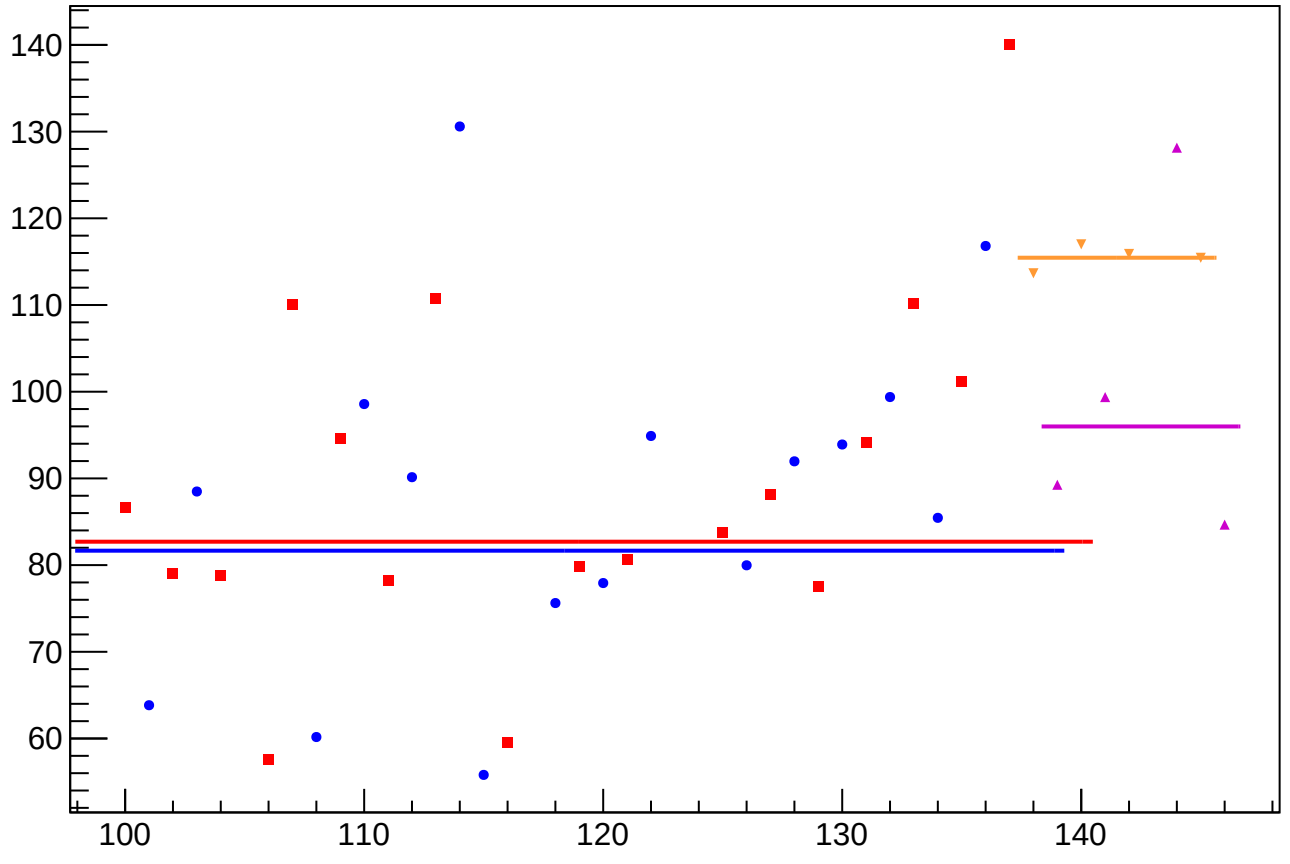
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.077+/-0.053 χ^2/NDF:8.5/3

+ sign 0.008+/-0.029 χ^2/NDF: 28.1/19

All: -0.006+/-0.020 χ^2/NDF: 62.3/41

- sign -0.018+/-0.027 χ^2/NDF: 33.8/21



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

Left Out: 115.455+/-0.049 χ^2/NDF:664.7/3

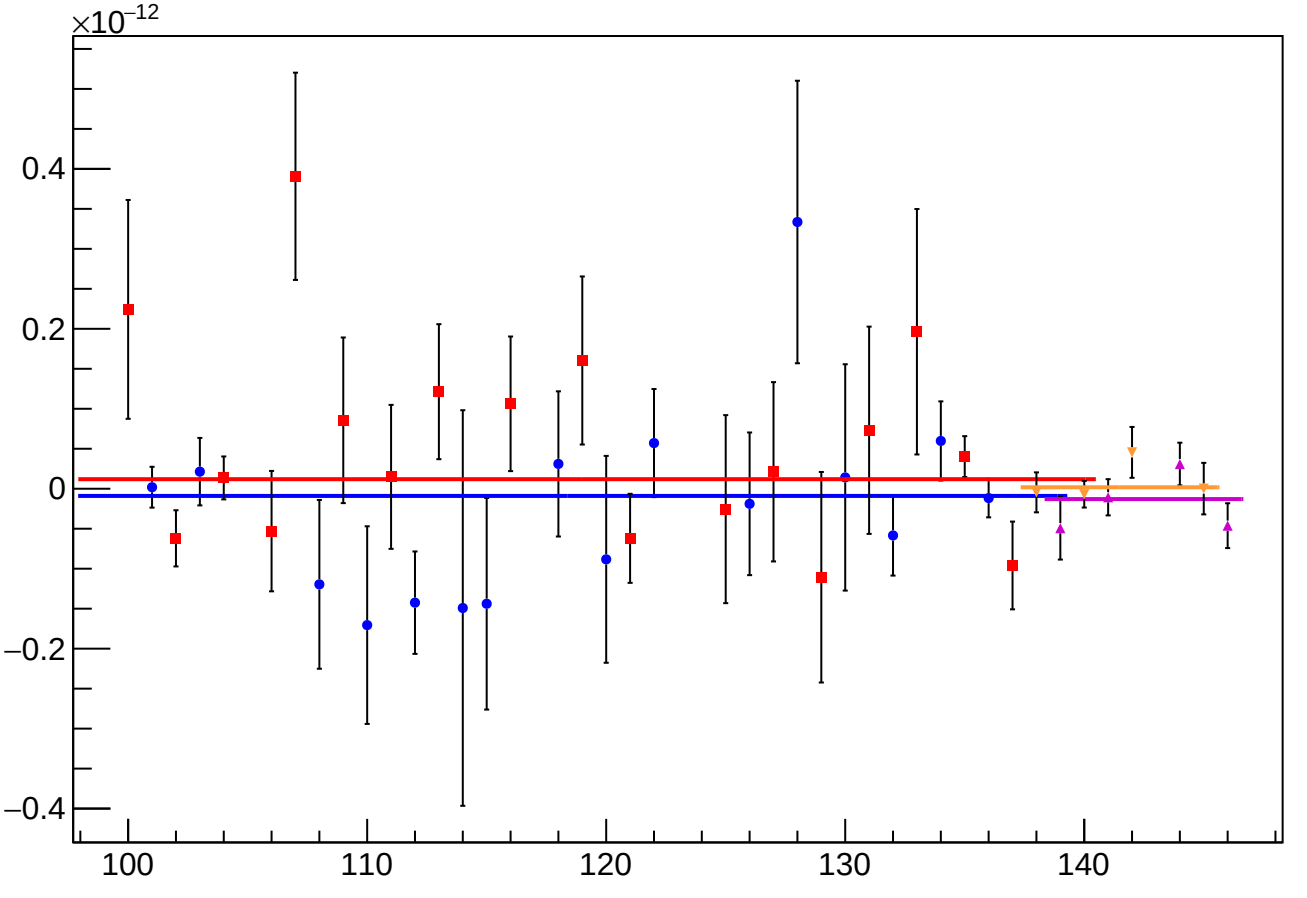
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 95.992+/-0.037 χ^2/NDF:152746.3/3

+ sign 87.436+/-0.020 χ^2/NDF: 953140.9/19

All: 86.805+/-0.014 χ^2/NDF: 1674233.8/41

- sign 86.242+/-0.019 χ^2/NDF: 719272.4/21



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

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

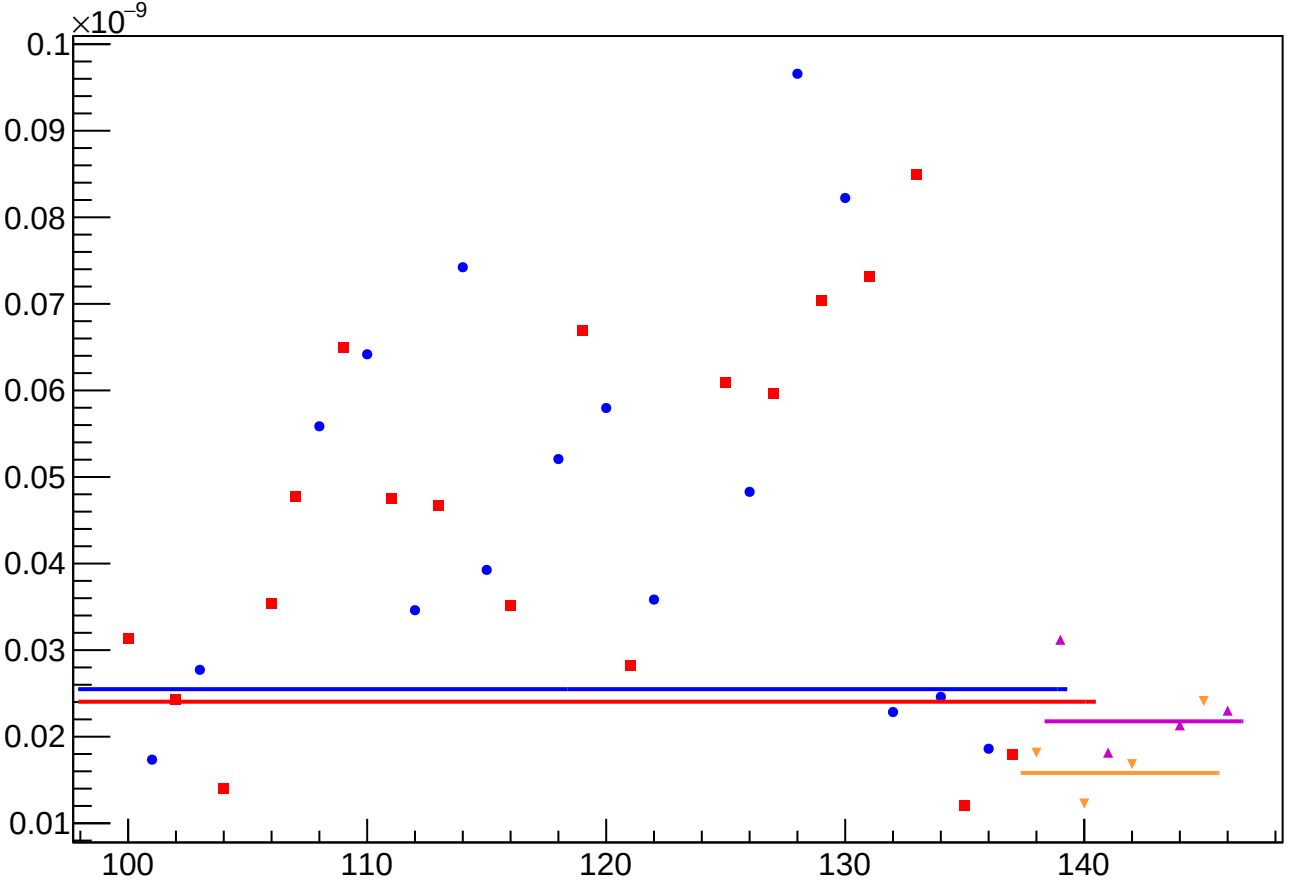
Left In: -0.000+/-0.000 χ^2/NDF:5.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.0/19

All: -0.000+/-0.000 χ^2/NDF: 57.8/41

- sign -0.000+/-0.000 χ^2/NDF: 37.7/21

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:242703.4/3

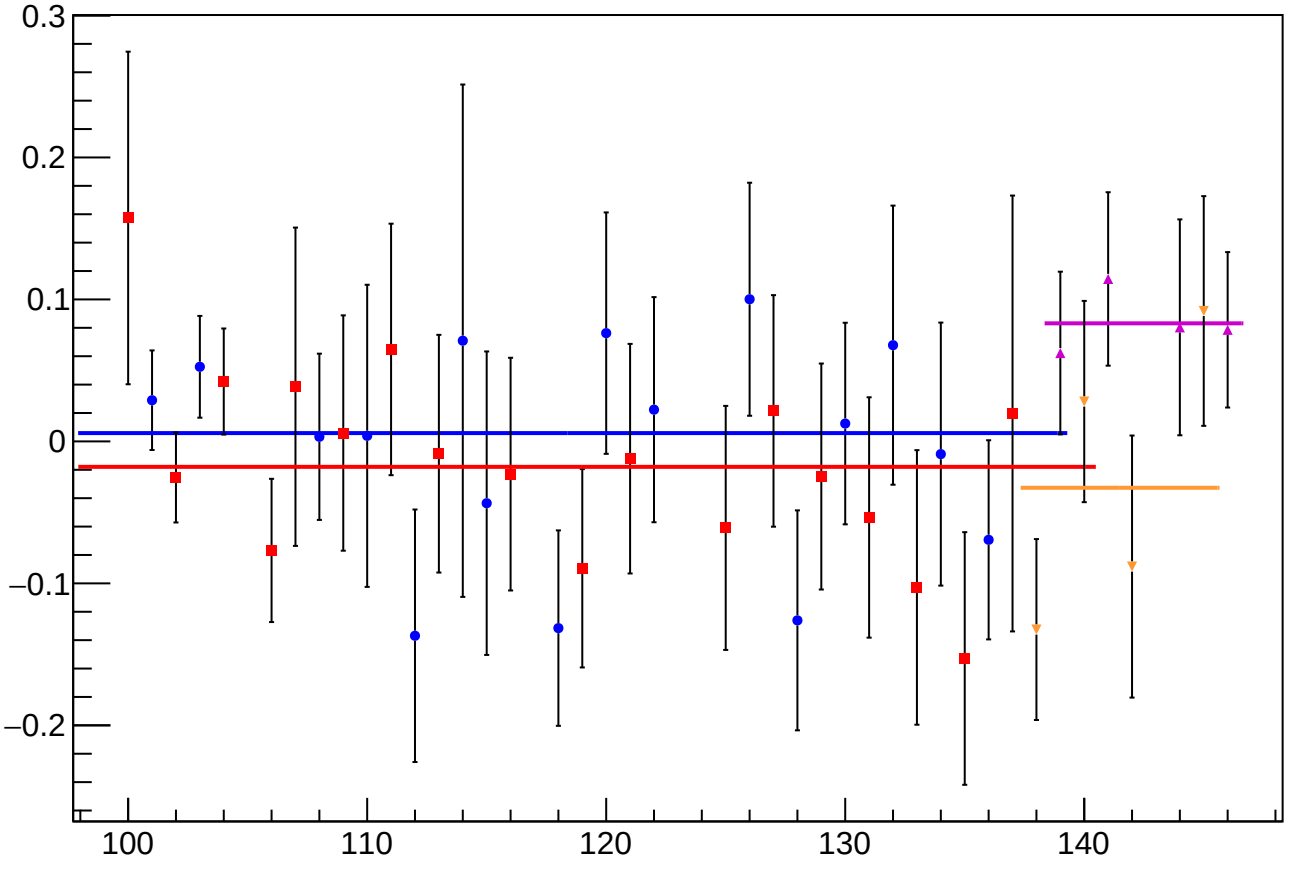
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:170731.7/3

\+ sign 0.000+/-0.000 χ^2/NDF: 2837246.1/19

All: 0.000+/-0.000 χ^2/NDF: 6215199.6/41

\- sign 0.000+/-0.000 χ^2/NDF: 3283162.7/21



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

Left Out: -0.033+/-0.037 χ^2/NDF:5.9/3

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

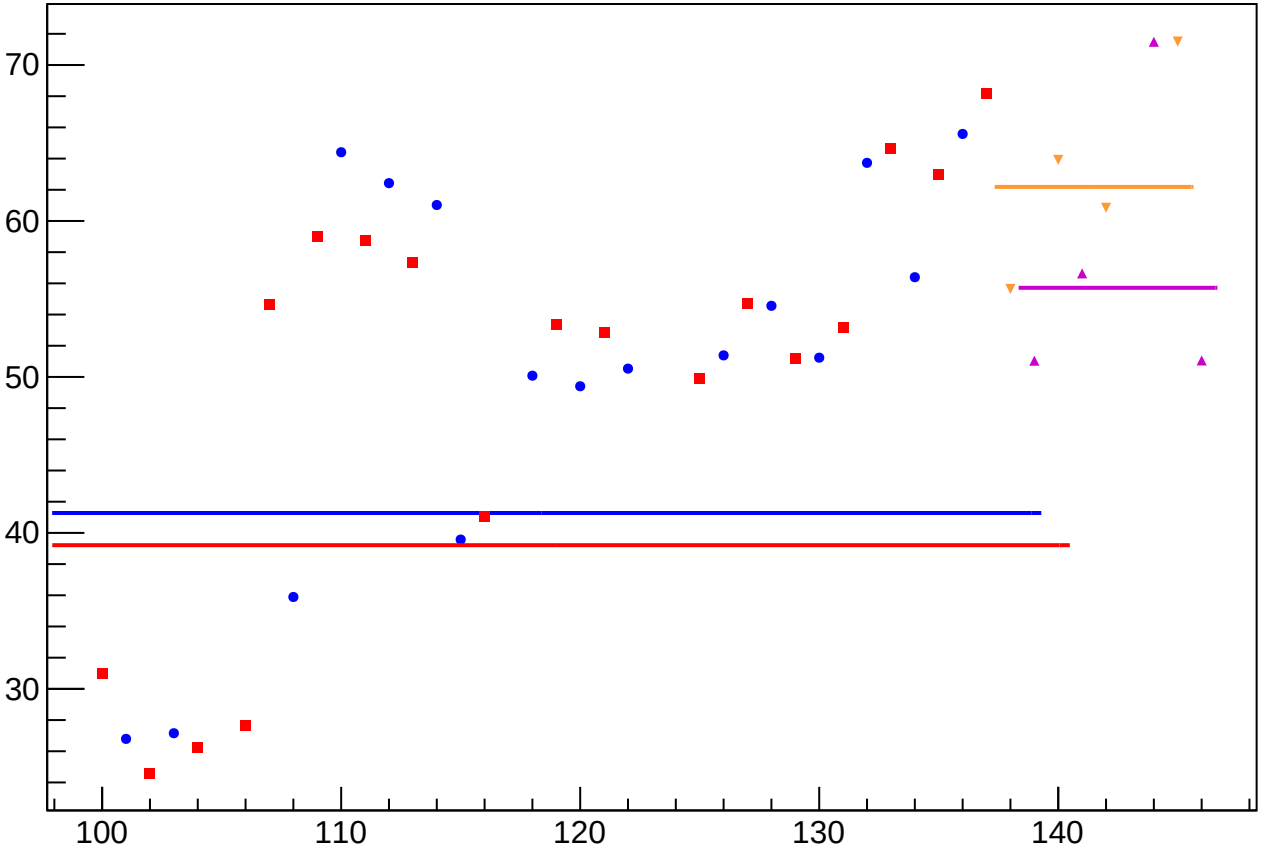
Left In: 0.083+/-0.030 χ^2/NDF:0.4/3

+ sign -0.000+/-0.015 χ^2/NDF: 22.4/19

All: 0.002+/-0.010 χ^2/NDF: 43.8/41

- sign 0.003+/-0.014 χ^2/NDF: 21.4/21

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 62.184+/-0.026 χ^2/NDF:49237.8/3

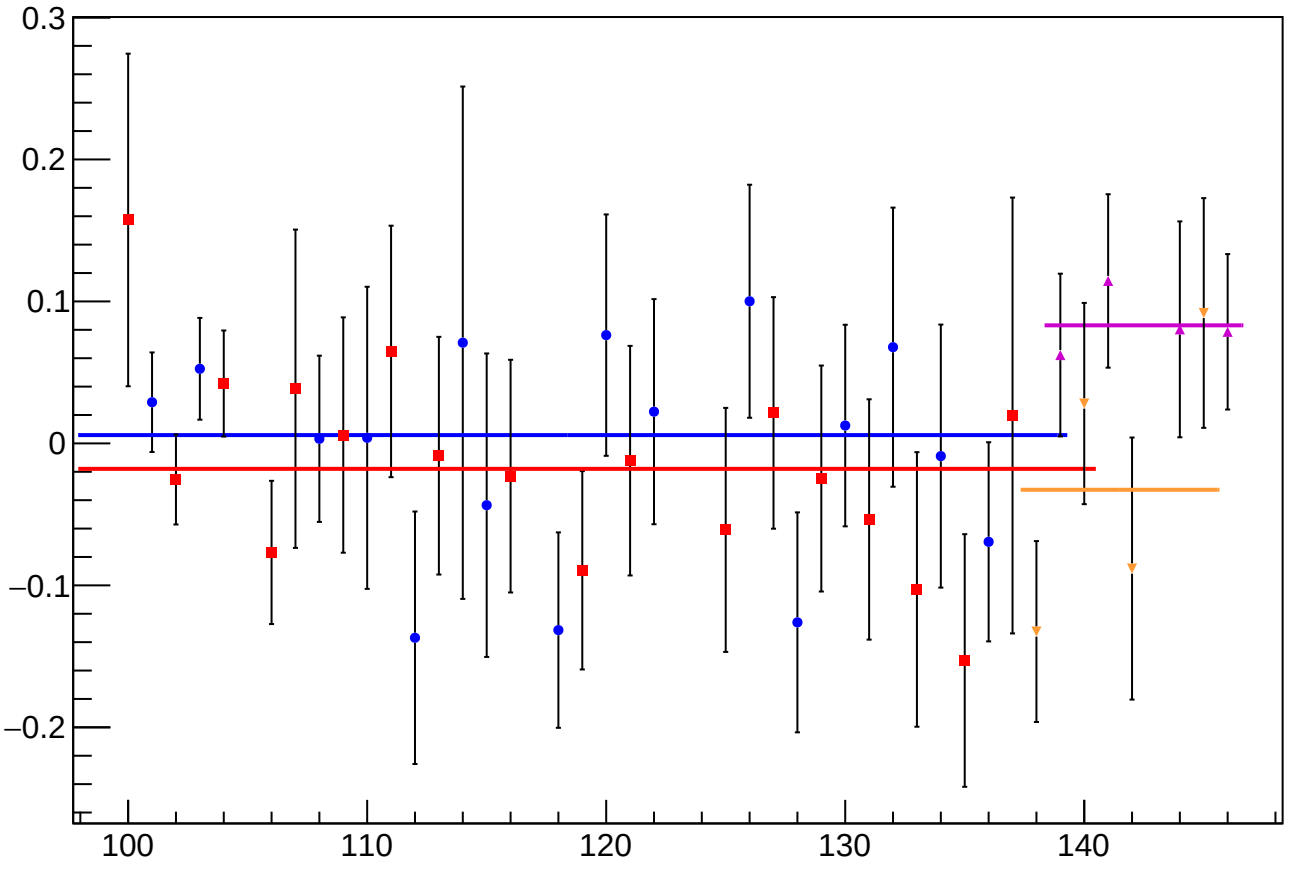
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 55.716+/-0.022 χ^2/NDF:114334.3/3

+ sign 44.694+/-0.011 χ^2/NDF: 2077778.1/19

All: 43.615+/-0.007 χ^2/NDF: 4494903.5/41

- sign 42.692+/-0.010 χ^2/NDF: 2398197.8/21



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

Left Out: -0.033+/-0.037 χ^2/NDF:5.9/3

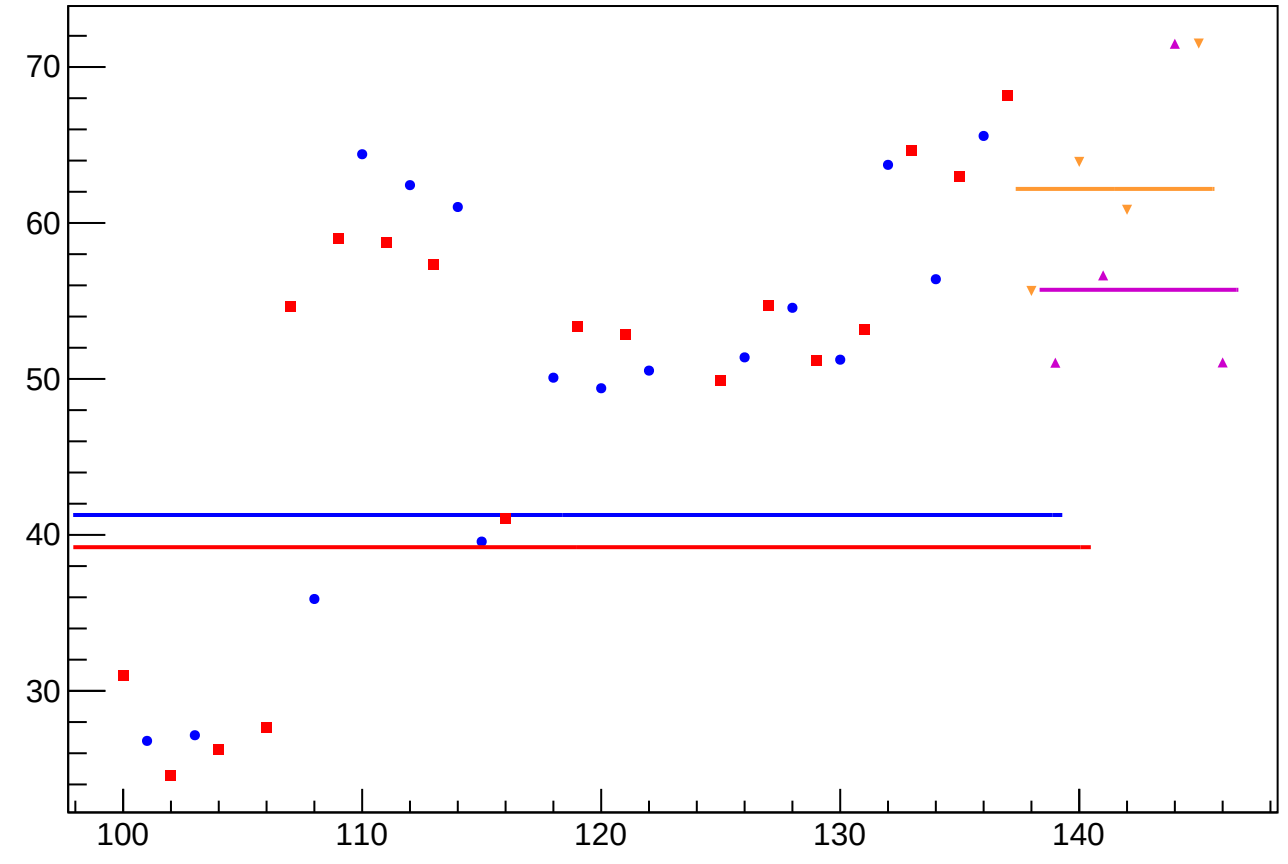
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.083+/-0.030 χ^2/NDF:0.4/3

+ sign -0.000+/-0.015 χ^2/NDF: 22.4/19

All: 0.002+/-0.010 χ^2/NDF: 43.8/41

- sign 0.003+/-0.014 χ^2/NDF: 21.4/21



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

Left Out: 62.184+/-0.026 χ^2/NDF:49237.8/3

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

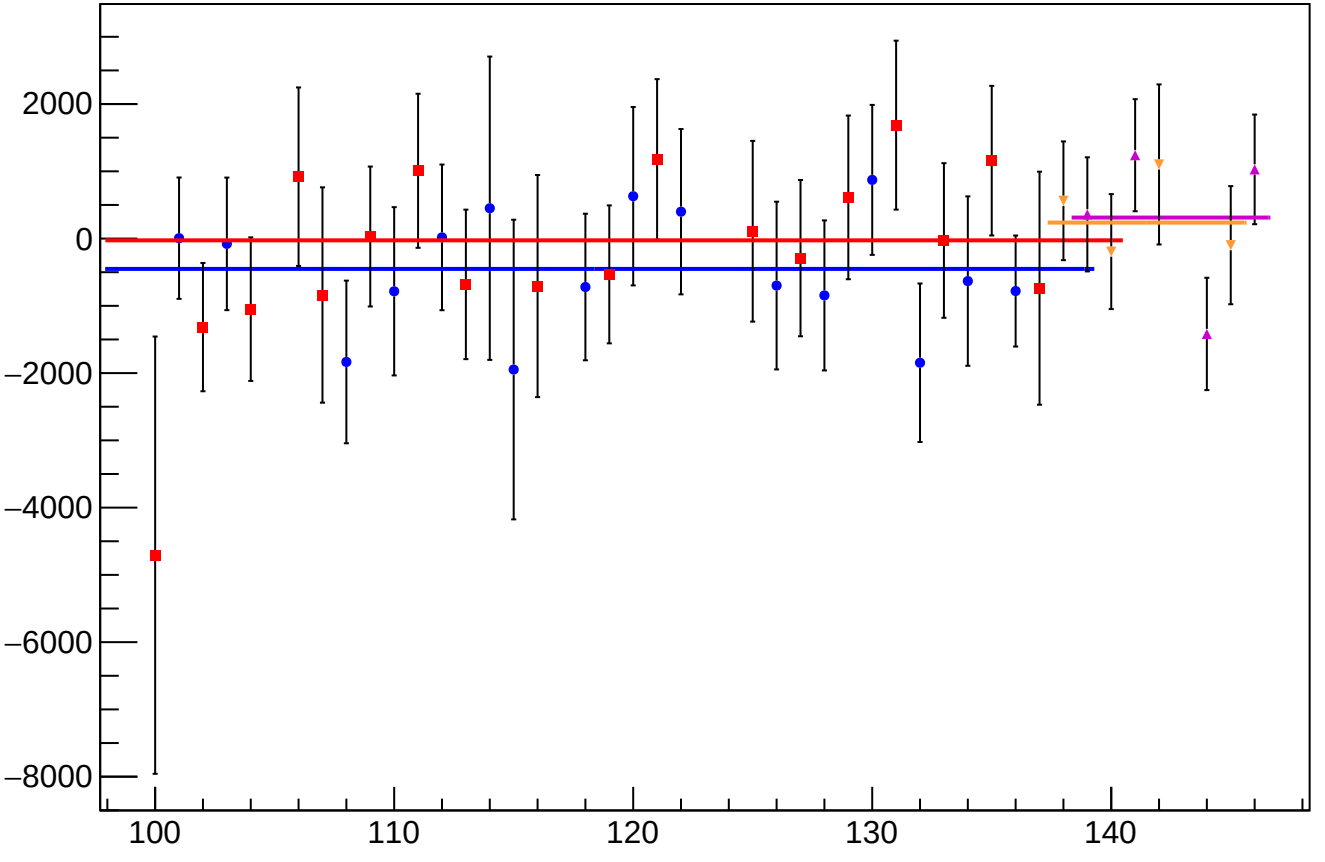
Left In: 55.716+/-0.022 χ^2/NDF:114334.3/3

+ sign 44.694+/-0.011 χ^2/NDF: 2077778.1/19

All: 43.615+/-0.007 χ^2/NDF: 4494903.5/41

- sign 42.692+/-0.010 χ^2/NDF: 2398197.8/21

reg_asym_us_dd_mean vs Slug



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

Left Out: 237.846+/-463.442 χ^2/NDF:1.1/3

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

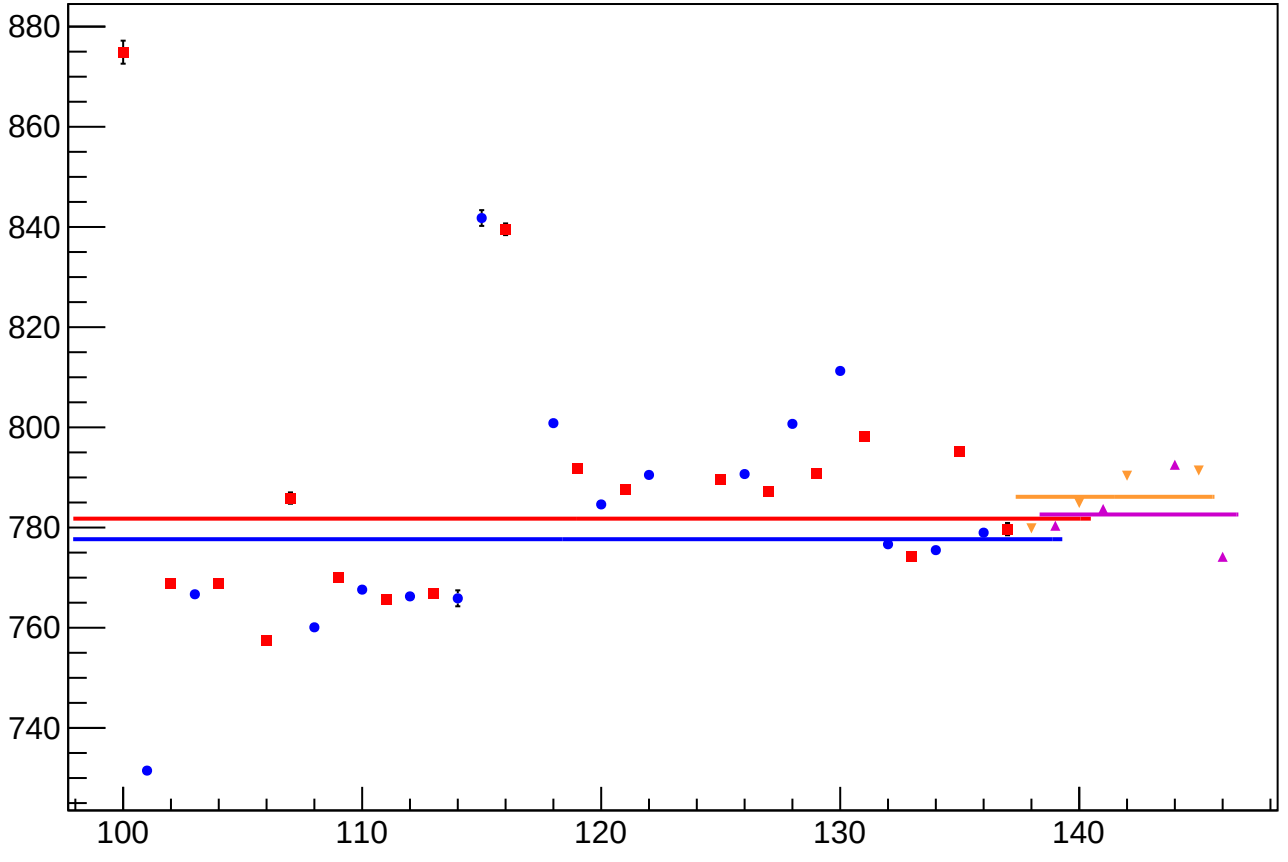
Left In: 312.528+/-416.306 χ^2/NDF:6.3/3

+ sign -258.144+/-245.196 χ^2/NDF: 9.6/19

All: -81.414+/-170.368 χ^2/NDF: 29.0/41

- sign 83.548+/-236.892 χ^2/NDF: 18.4/21

reg_asym_us_dd_rms vs Slug



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

Left Out: 786.140+/-0.328 χ^2/NDF:202.4/3

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

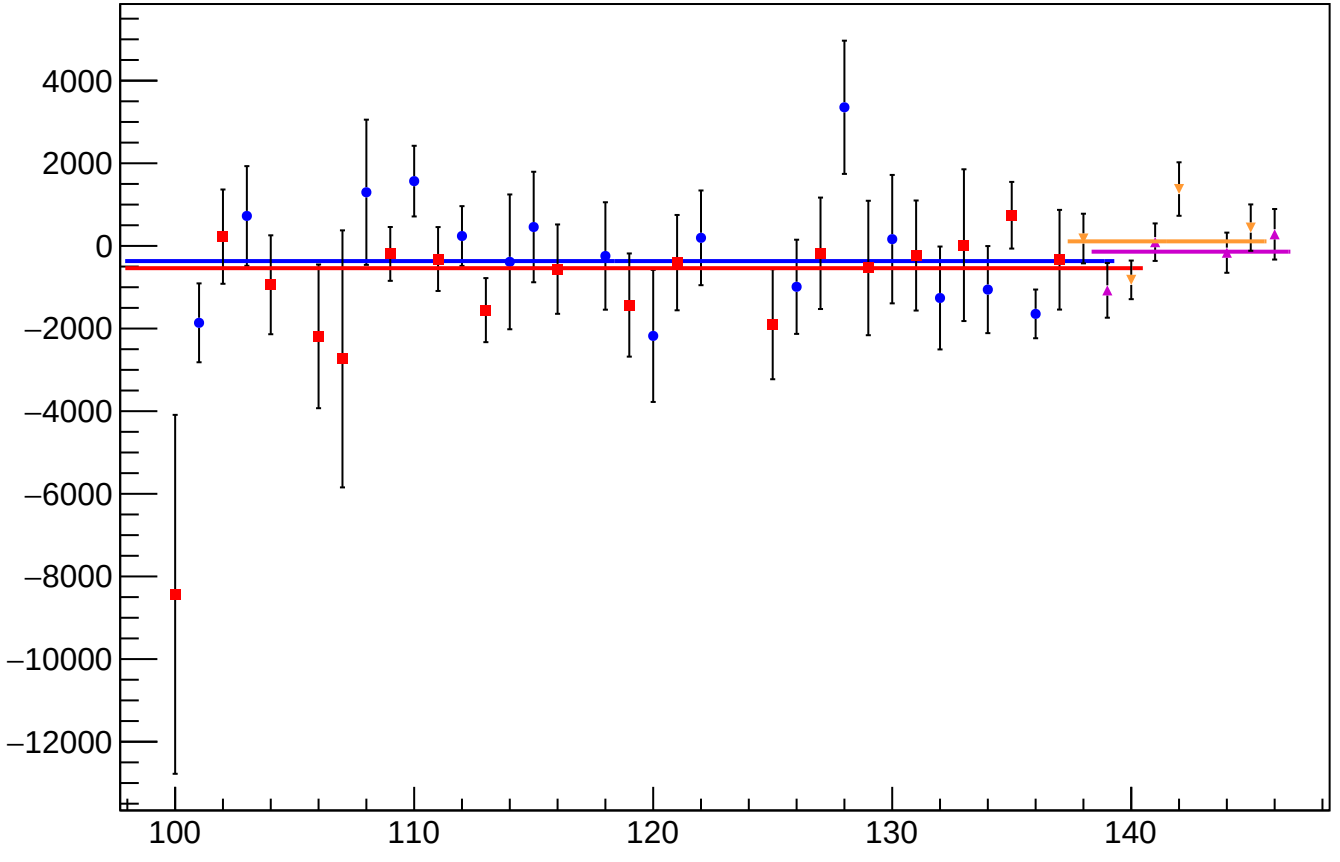
Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

+ sign 780.044+/-0.173 χ^2/NDF: 12738.3/19

All: 781.080+/-0.120 χ^2/NDF: 20953.6/41

- sign 782.046+/-0.168 χ^2/NDF: 8146.3/21

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: 110.275+/-278.291 χ^2/NDF:8.2/3

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

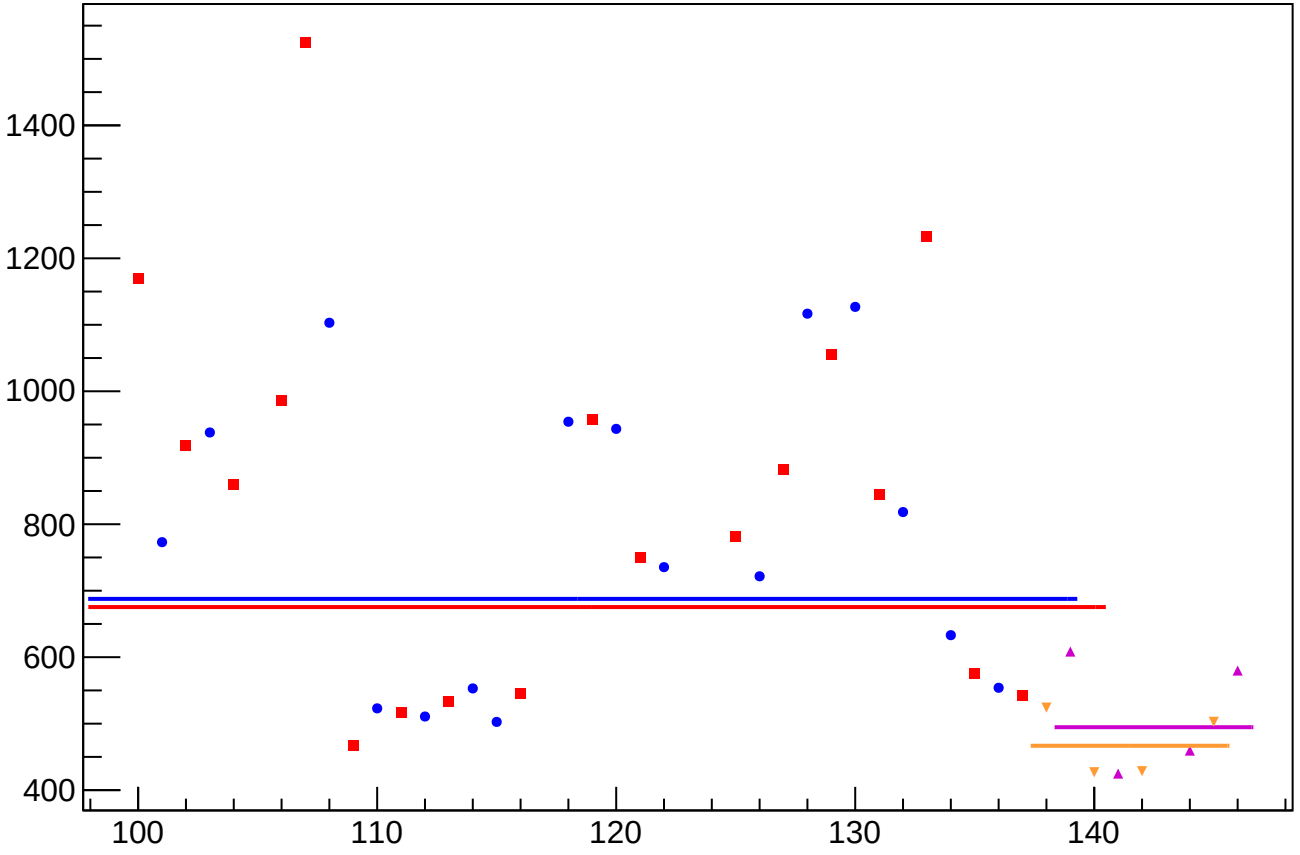
Left In: -139.569+/-266.865 χ^2/NDF:2.7/3

+ sign -138.515+/-192.552 χ^2/NDF: 33.0/19

All: -243.186+/-134.255 χ^2/NDF: 49.1/41

- sign -342.211+/-187.287 χ^2/NDF: 15.5/21

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 466.740+/-0.197 χ^2/NDF:48009.1/3

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

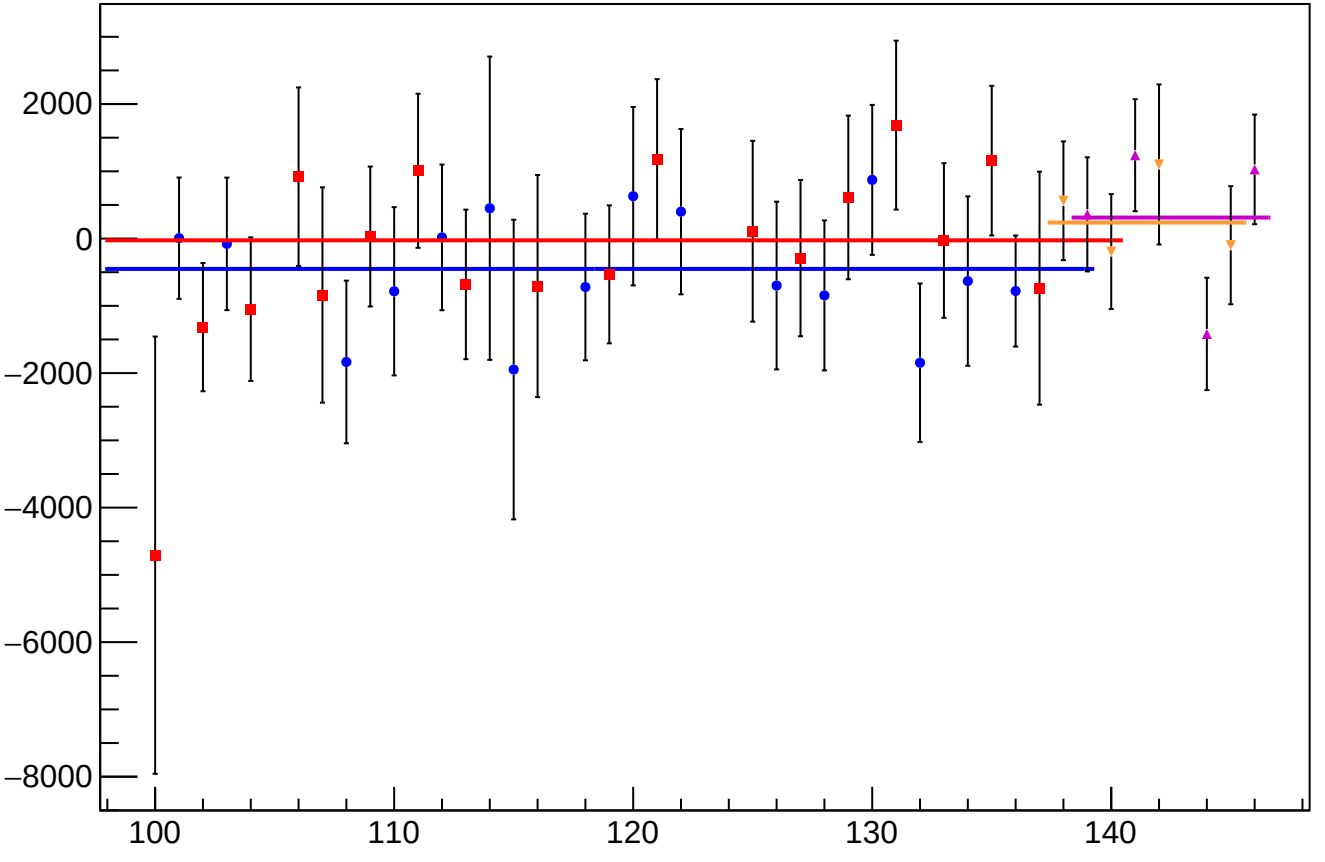
Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

+ sign 581.927+/-0.136 χ^2/NDF: 1737242.7/19

All: 584.223+/-0.095 χ^2/NDF: 3672009.5/41

- sign 586.395+/-0.132 χ^2/NDF: 1934213.5/21

cor_asym_us_dd_mean vs Slug



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

Left Out: 237.846+/-463.442 χ^2/NDF:1.1/3

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

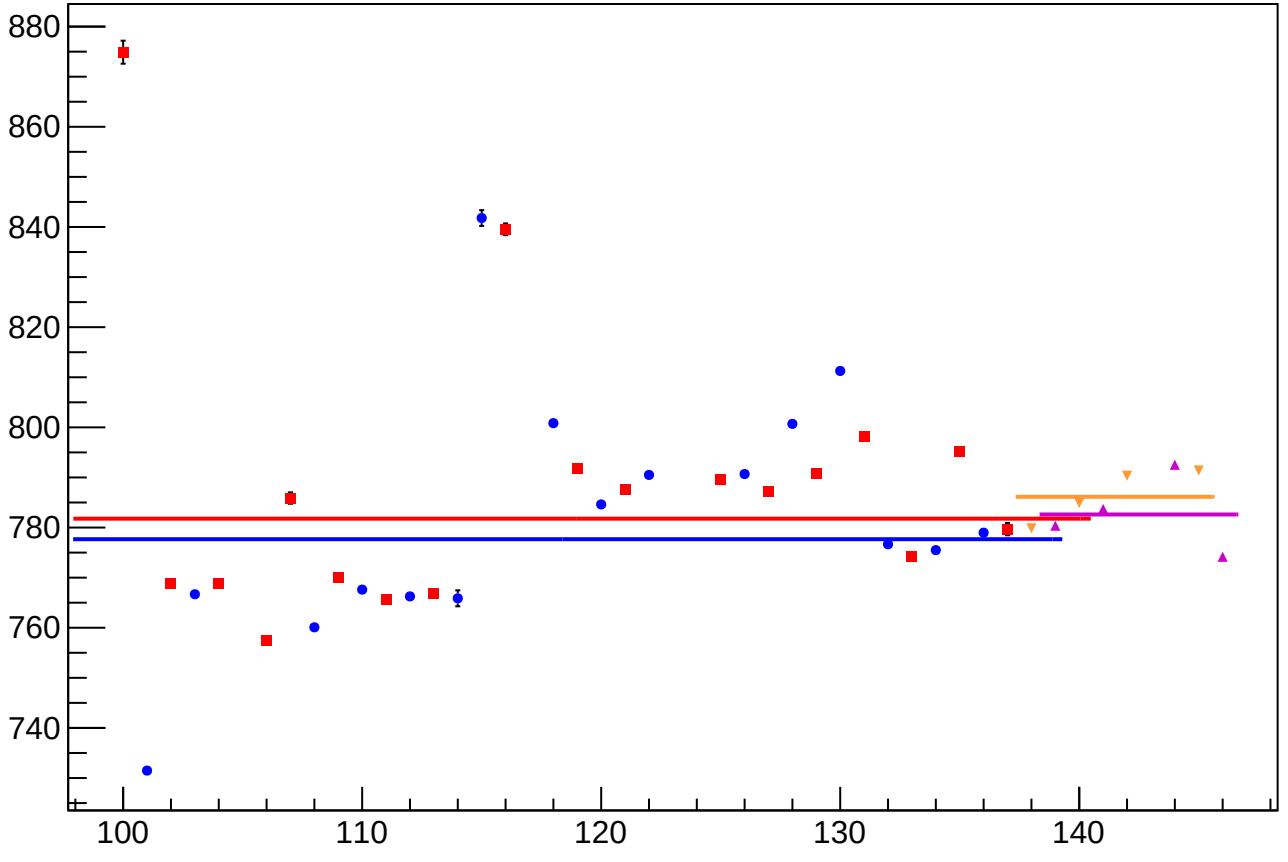
Left In: 312.528+/-416.306 χ^2/NDF:6.3/3

+ sign -258.144+/-245.196 χ^2/NDF: 9.6/19

All: -81.414+/-170.368 χ^2/NDF: 29.0/41

- sign 83.548+/-236.892 χ^2/NDF: 18.4/21

cor_asym_us_dd_rms vs Slug



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

Left Out: 786.140+/-0.328 χ^2/NDF:202.4/3

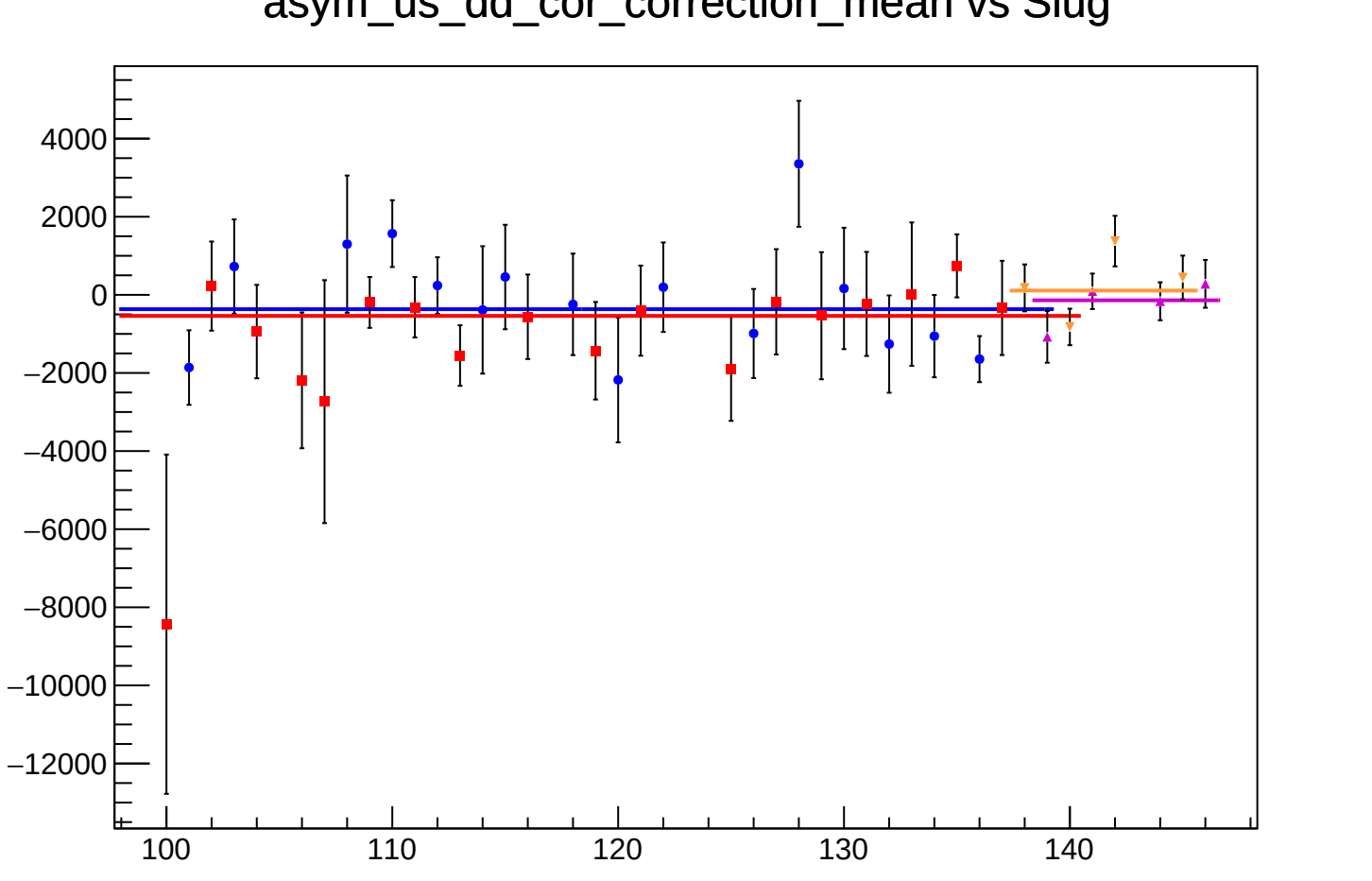
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

+ sign 780.044+/-0.173 χ^2/NDF: 12738.3/19

All: 781.080+/-0.120 χ^2/NDF: 20953.6/41

- sign 782.046+/-0.168 χ^2/NDF: 8146.3/21



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

Left Out: 110.275+/-278.291 χ^2/NDF:8.2/3

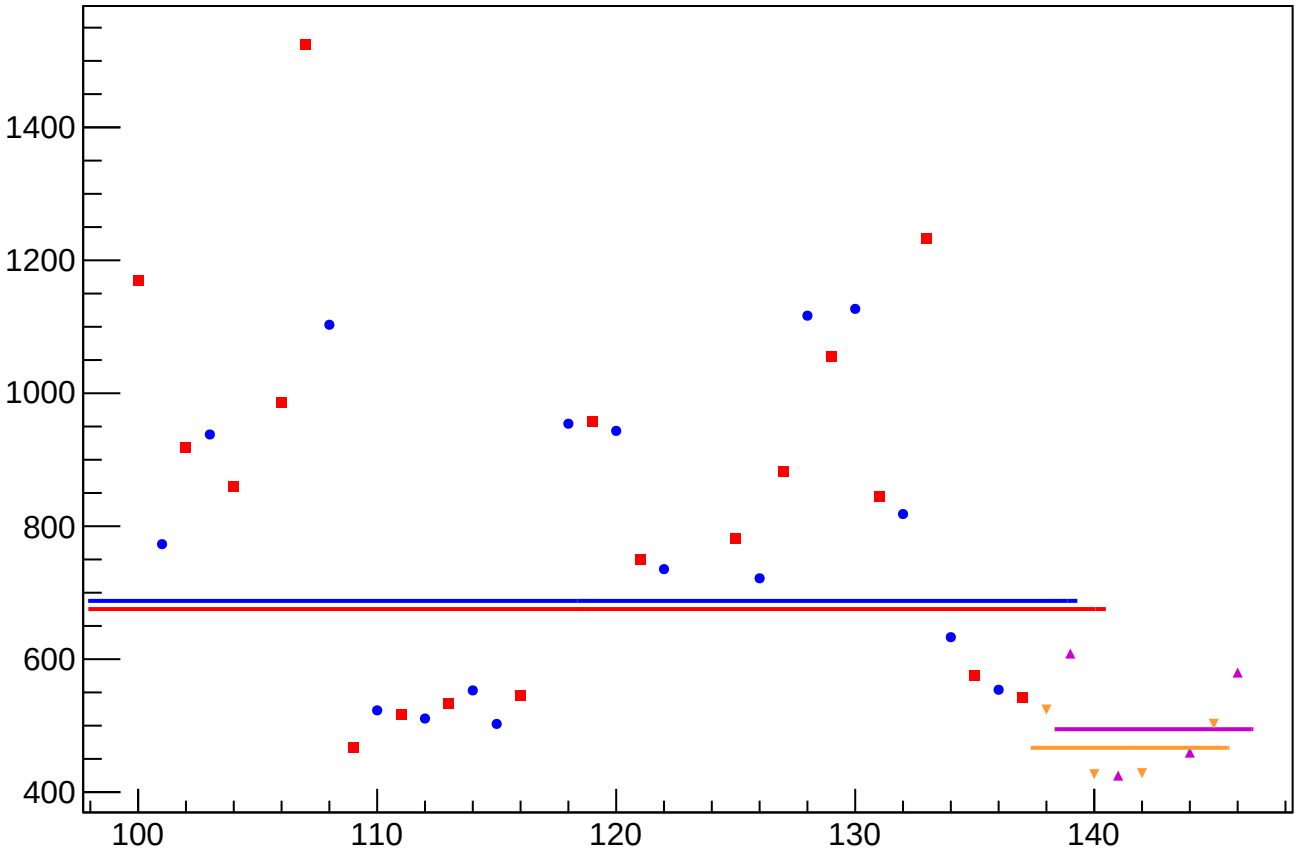
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -139.569+/-266.865 χ^2/NDF:2.7/3

+ sign -138.515+/-192.552 χ^2/NDF: 33.0/19

All: -243.186+/-134.255 χ^2/NDF: 49.1/41

- sign -342.211+/-187.287 χ^2/NDF: 15.5/21



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

Left Out: 466.740+/-0.197 χ^2/NDF:48009.1/3

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

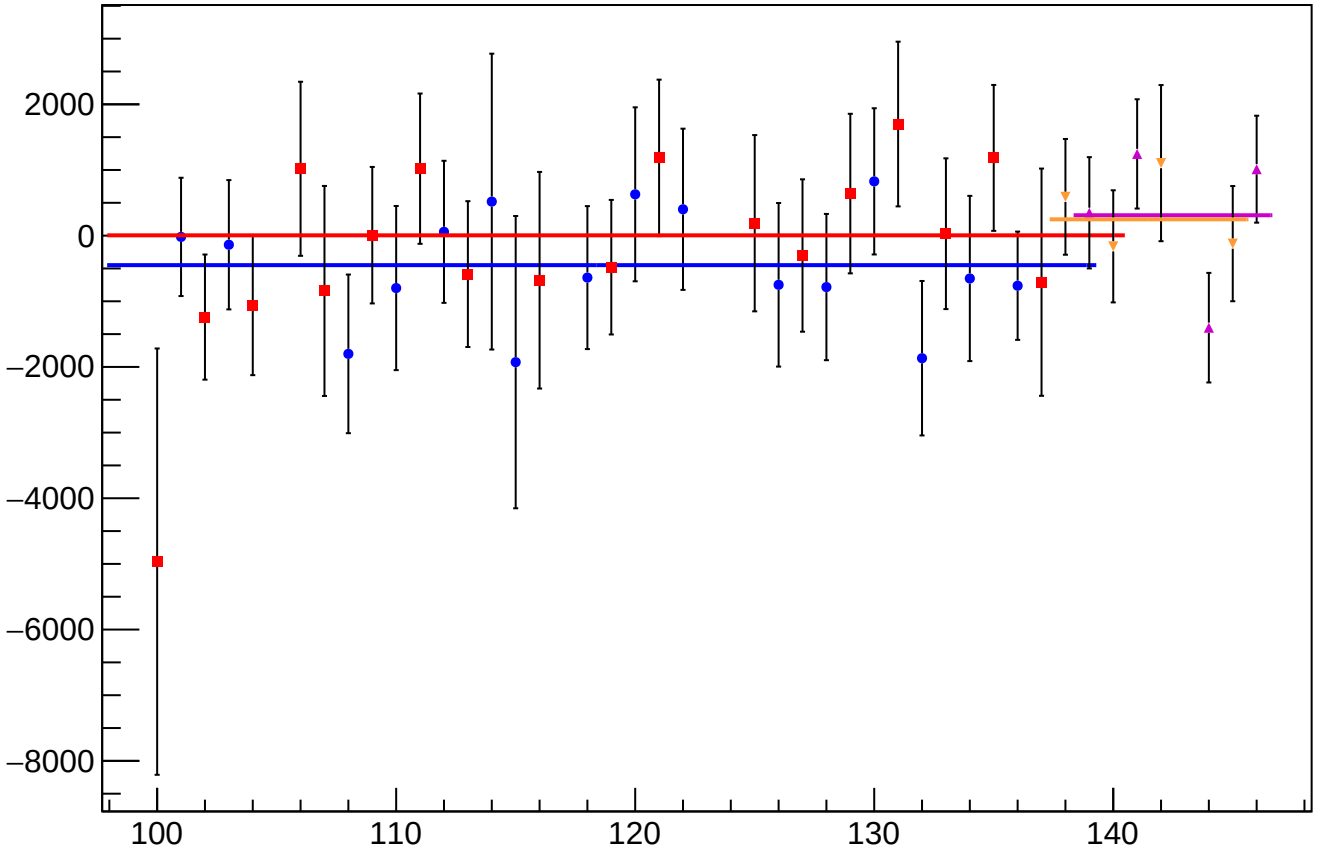
Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

+ sign 581.927+/-0.136 χ^2/NDF: 1737242.7/19

All: 584.223+/-0.095 χ^2/NDF: 3672009.5/41

- sign 586.395+/-0.132 χ^2/NDF: 1934213.5/21

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: 248.439+/-463.006 χ^2/NDF:1.1/3

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

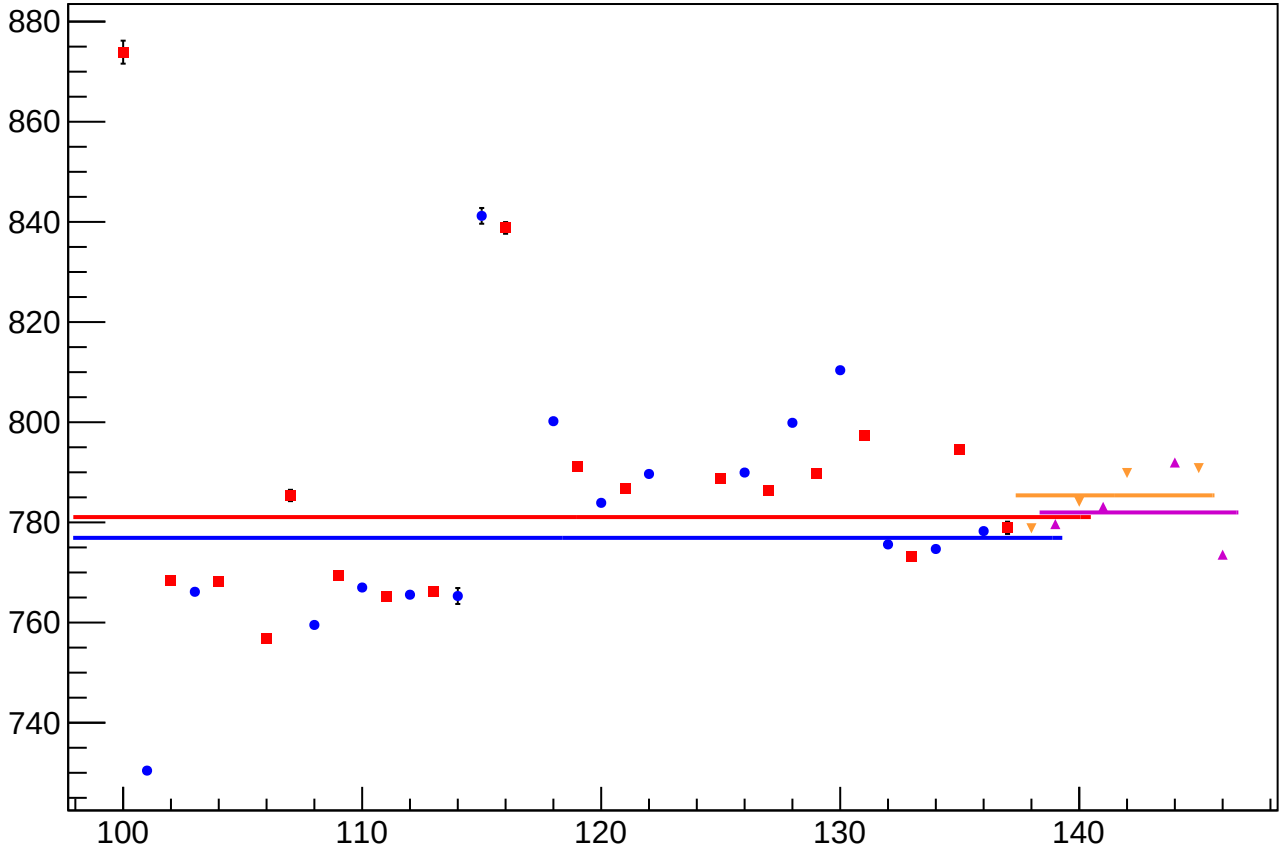
Left In: 310.554+/-415.975 χ^2/NDF:6.2/3

\+ sign -254.092+/-244.959 χ^2/NDF: 9.5/19

All: -69.060+/-170.211 χ^2/NDF: 29.0/41

\- sign 103.682+/-236.684 χ^2/NDF: 18.4/21

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 785.398+/-0.327 χ^2/NDF:220.6/3

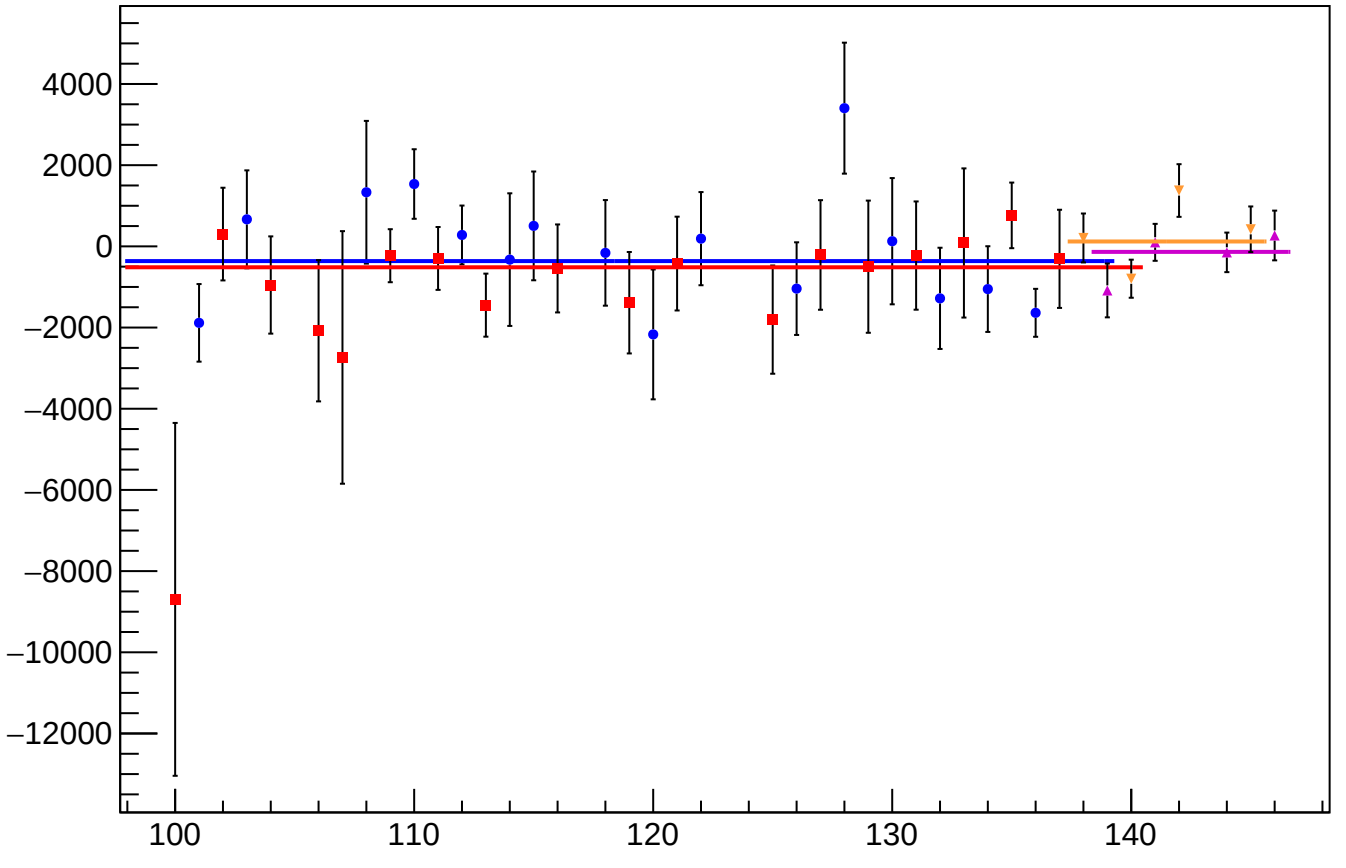
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 781.987+/-0.294 χ^2/NDF:518.5/3

+ sign 779.288+/-0.173 χ^2/NDF: 12827.9/19

All: 780.360+/-0.120 χ^2/NDF: 21012.9/41

- sign 781.361+/-0.167 χ^2/NDF: 8111.0/21



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

Left Out: 120.318+/-279.040 χ^2/NDF:7.9/3

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

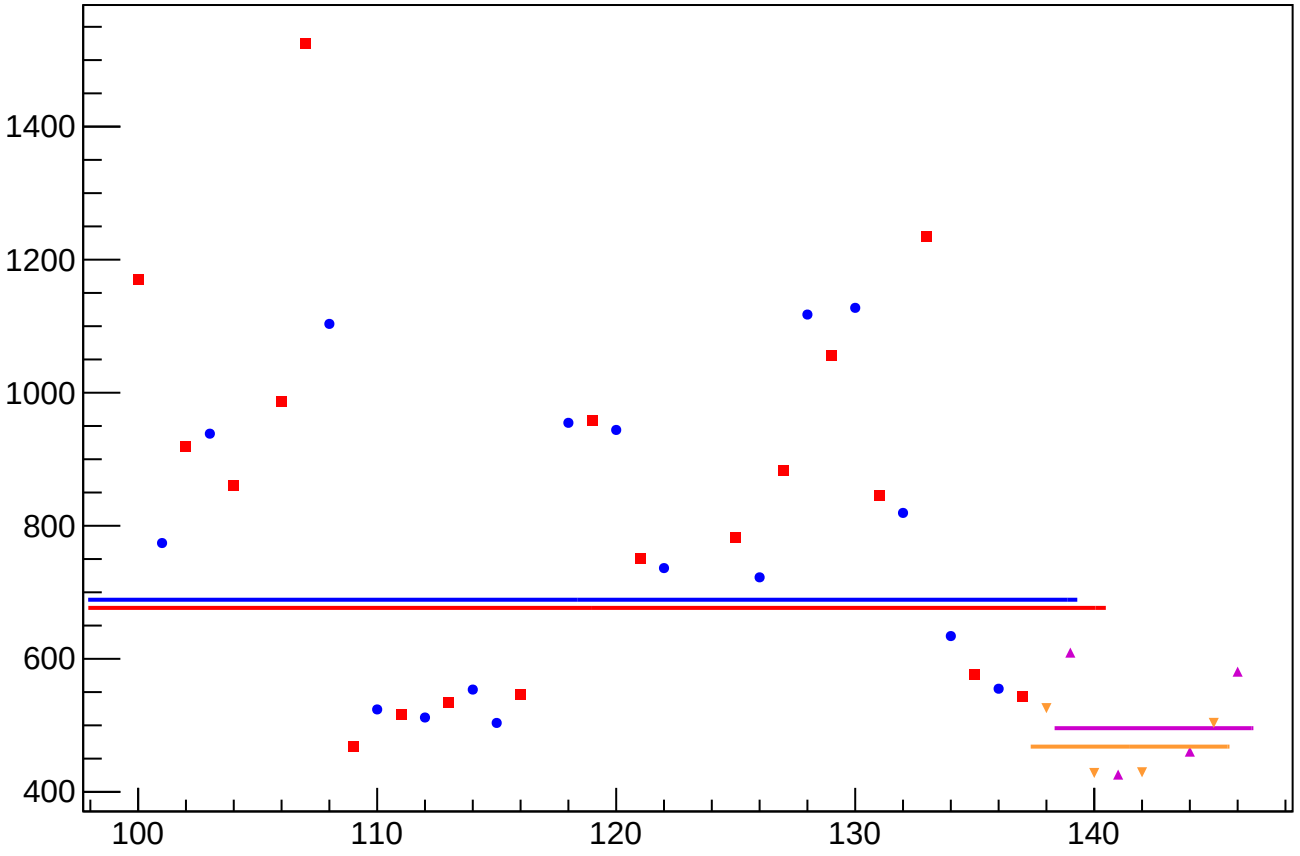
Left In: -135.982+/-267.417 χ^2/NDF:2.8/3

+ sign -131.817+/-192.946 χ^2/NDF: 32.8/19

All: -232.951+/-134.511 χ^2/NDF: 48.5/41

- sign -328.580+/-187.621 χ^2/NDF: 15.2/21

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 468.037+/-0.197 χ^2/NDF:47839.1/3

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

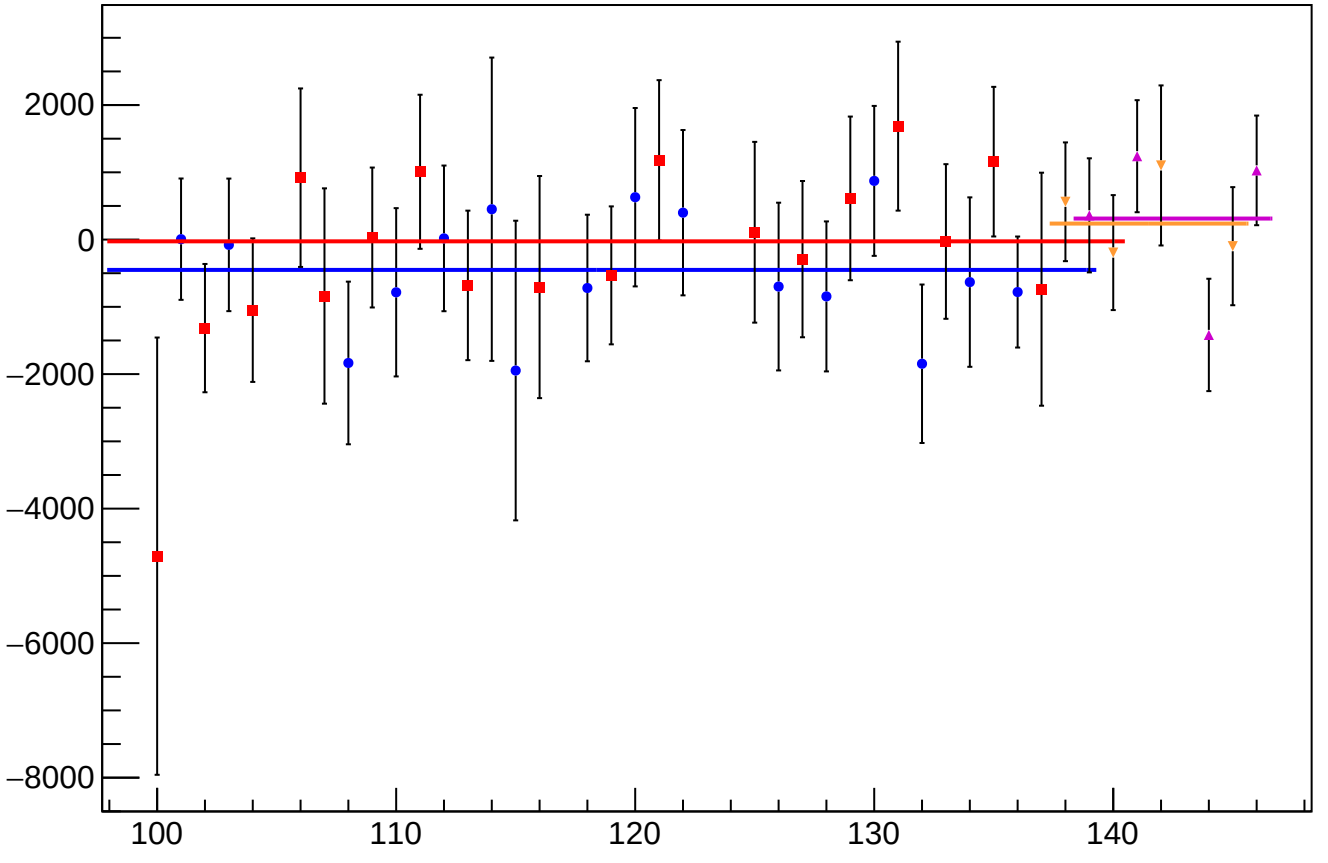
Left In: 495.750+/-0.189 χ^2/NDF:154724.6/3

+ sign 583.263+/-0.136 χ^2/NDF: 1729437.0/19

All: 585.474+/-0.095 χ^2/NDF: 3657014.9/41

- sign 587.563+/-0.133 χ^2/NDF: 1927067.3/21

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: 237.846+/-463.442 χ^2/NDF:1.1/3

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

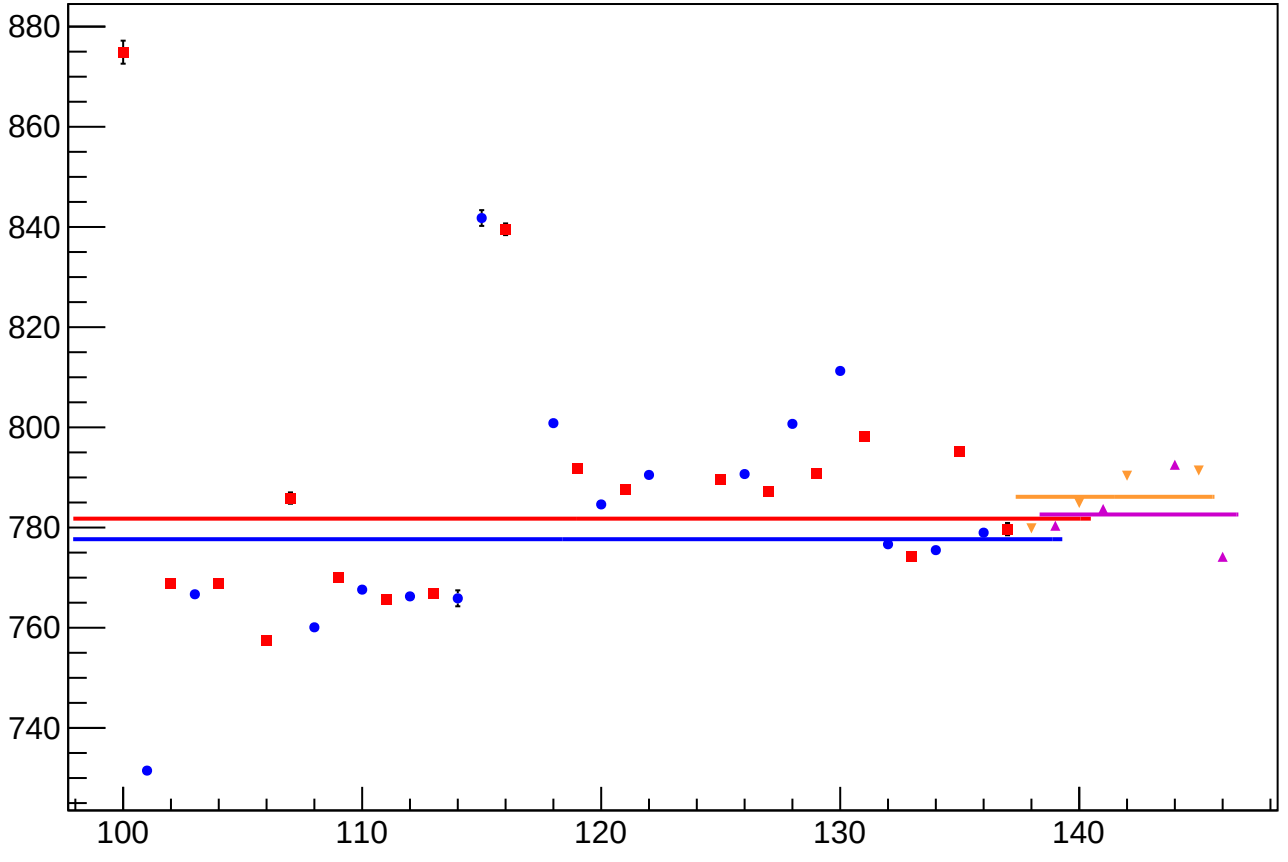
Left In: 312.528+/-416.306 χ^2/NDF:6.3/3

+ sign -258.144+/-245.196 χ^2/NDF: 9.6/19

All: -81.414+/-170.368 χ^2/NDF: 29.0/41

- sign 83.548+/-236.892 χ^2/NDF: 18.4/21

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 786.140+/-0.328 χ^2/NDF:202.4/3

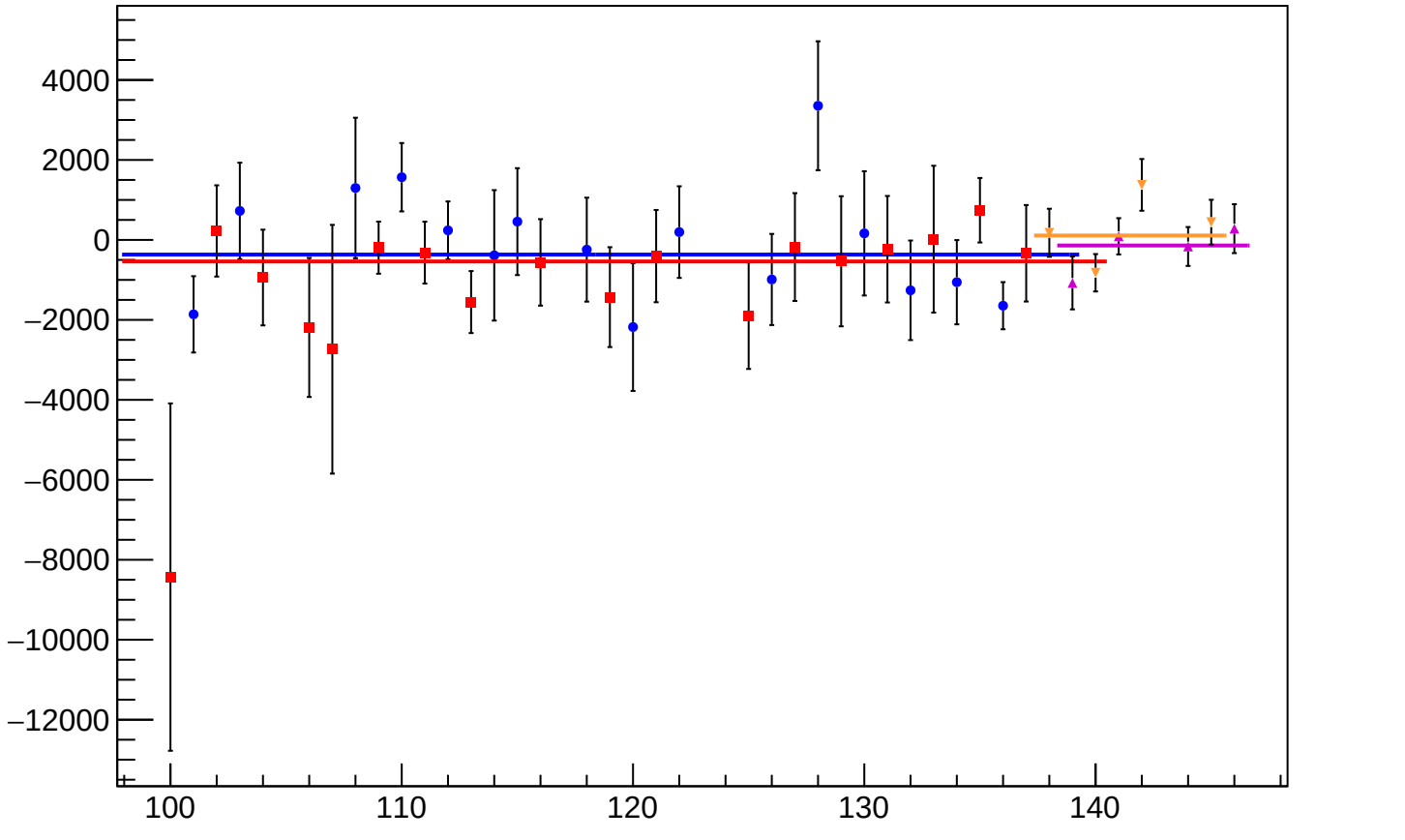
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

+ sign 780.044+/-0.173 χ^2/NDF: 12738.3/19

All: 781.080+/-0.120 χ^2/NDF: 20953.6/41

- sign 782.046+/-0.168 χ^2/NDF: 8146.3/21



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

Left Out: 110.275+/-278.291 χ^2/NDF:8.2/3

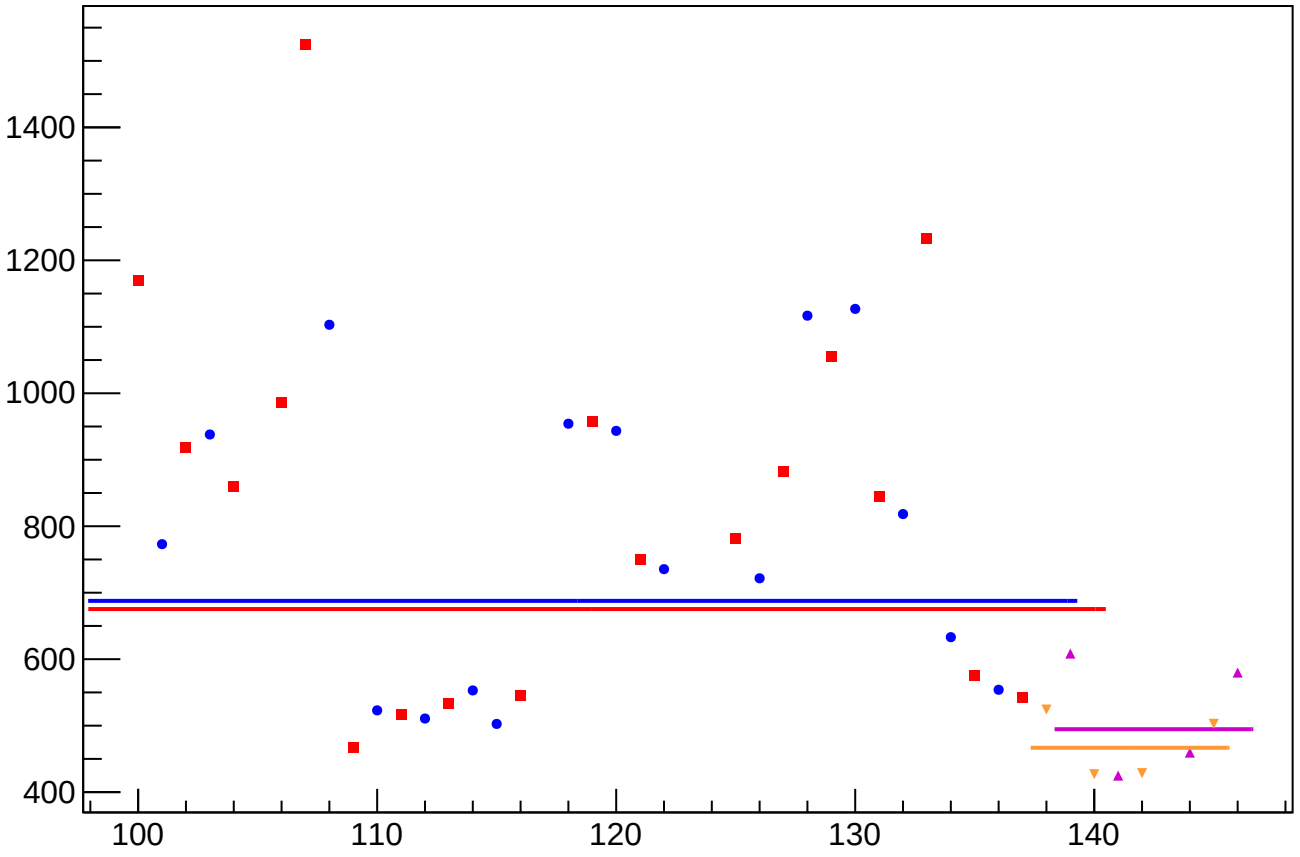
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -139.569+/-266.865 χ^2/NDF:2.7/3

+ sign -138.515+/-192.552 χ^2/NDF: 33.0/19

All: -243.186+/-134.255 χ^2/NDF: 49.1/41

- sign -342.211+/-187.287 χ^2/NDF: 15.5/21



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

Left Out: 466.740+/-0.197 χ^2/NDF:48009.1/3

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

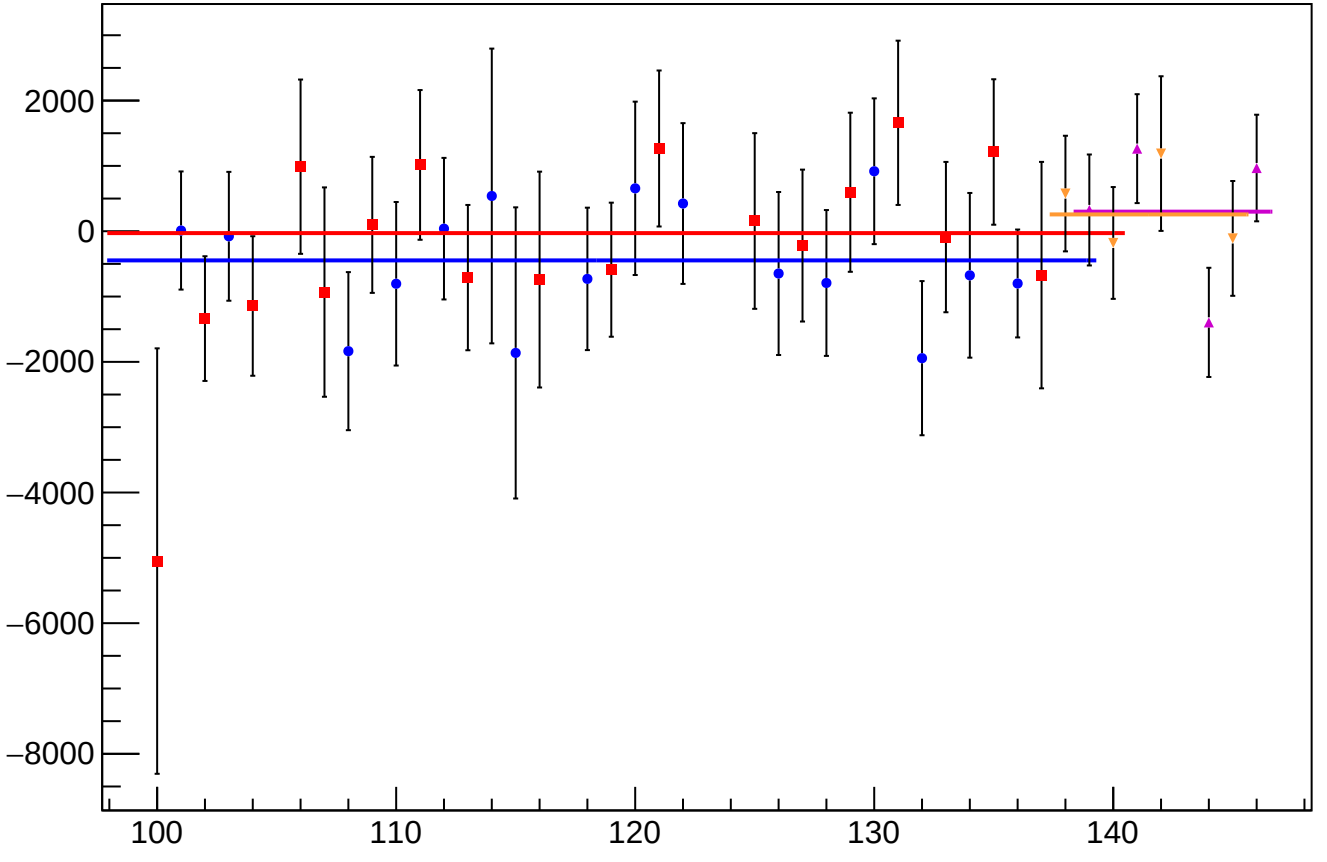
Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

+ sign 581.927+/-0.136 χ^2/NDF: 1737242.7/19

All: 584.223+/-0.095 χ^2/NDF: 3672009.5/41

- sign 586.395+/-0.132 χ^2/NDF: 1934213.5/21

dit_asym_us_dd_mean vs Slug



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

Left Out: 257.318+/-463.697 χ^2/NDF:1.2/3

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

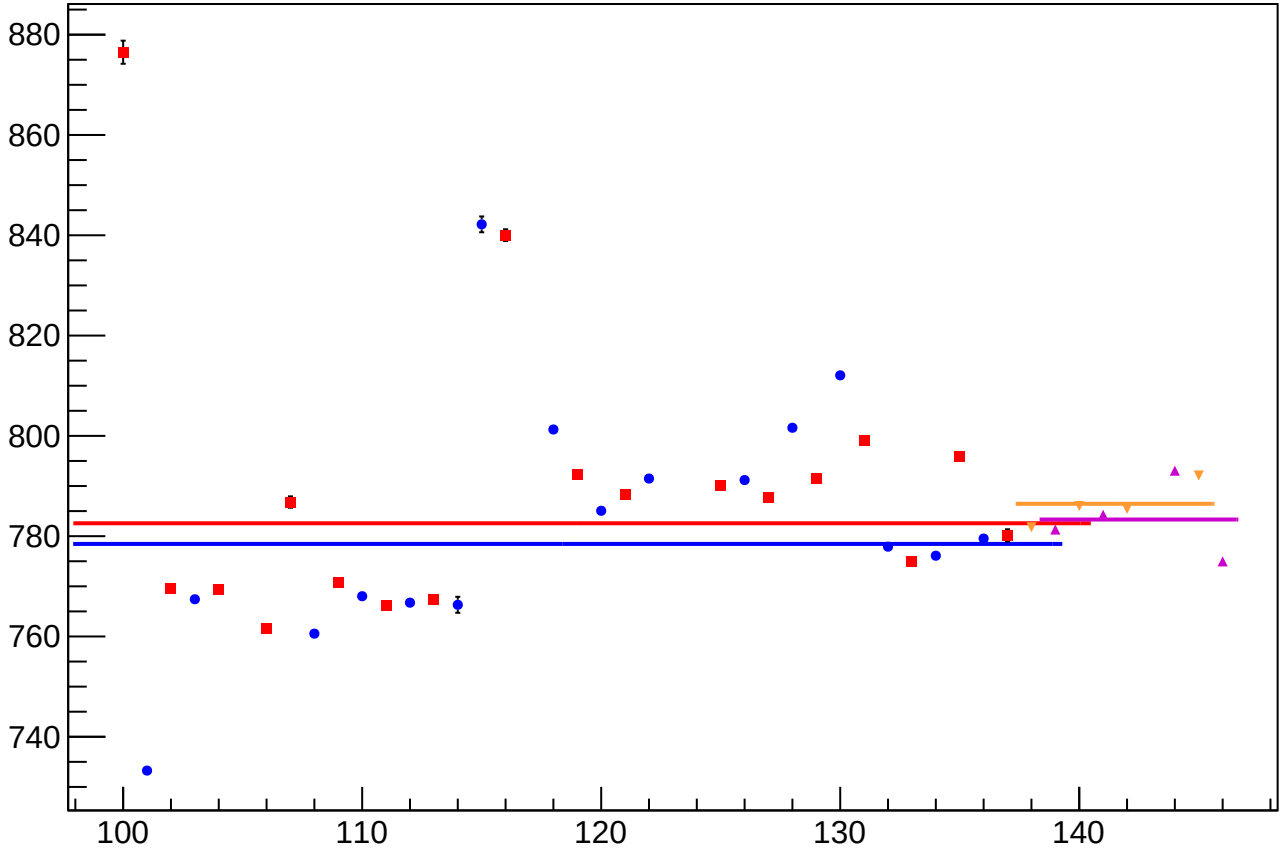
Left In: 299.554+/-416.684 χ^2/NDF:6.1/3

+ sign -249.474+/-245.410 χ^2/NDF: 10.1/19

All: -80.351+/-170.526 χ^2/NDF: 30.2/41

- sign 77.545+/-237.124 χ^2/NDF: 19.2/21

dit_asym_us_dd_rms vs Slug



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

Left Out: 786.457+/-0.328 χ^2/NDF:140.3/3

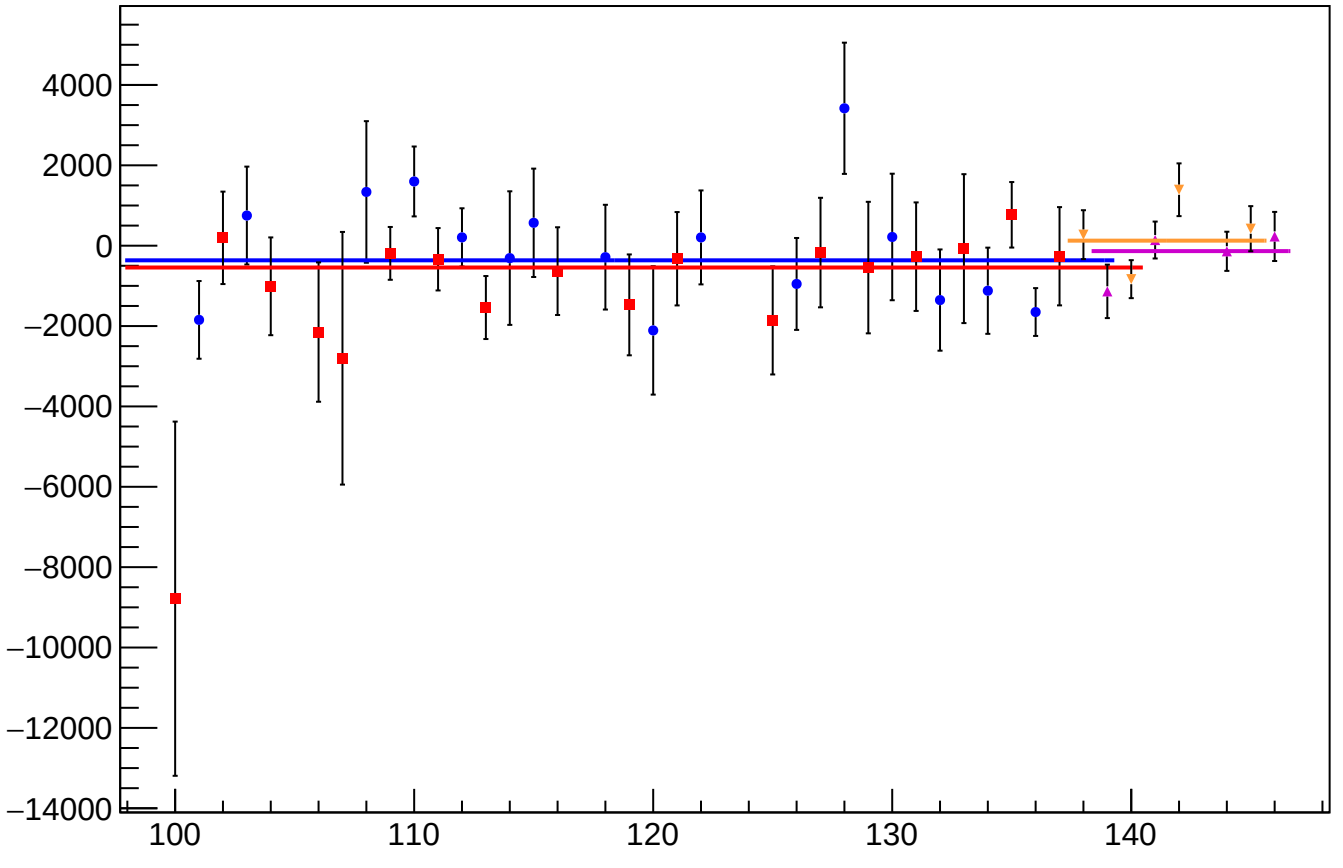
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 783.321+/-0.295 χ^2/NDF:494.2/3

+ sign 780.697+/-0.174 χ^2/NDF: 12364.3/19

All: 781.793+/-0.121 χ^2/NDF: 20421.4/41

- sign 782.817+/-0.168 χ^2/NDF: 7980.0/21



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

Left Out: 125.447+/-280.945 χ^2/NDF:8.2/3

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

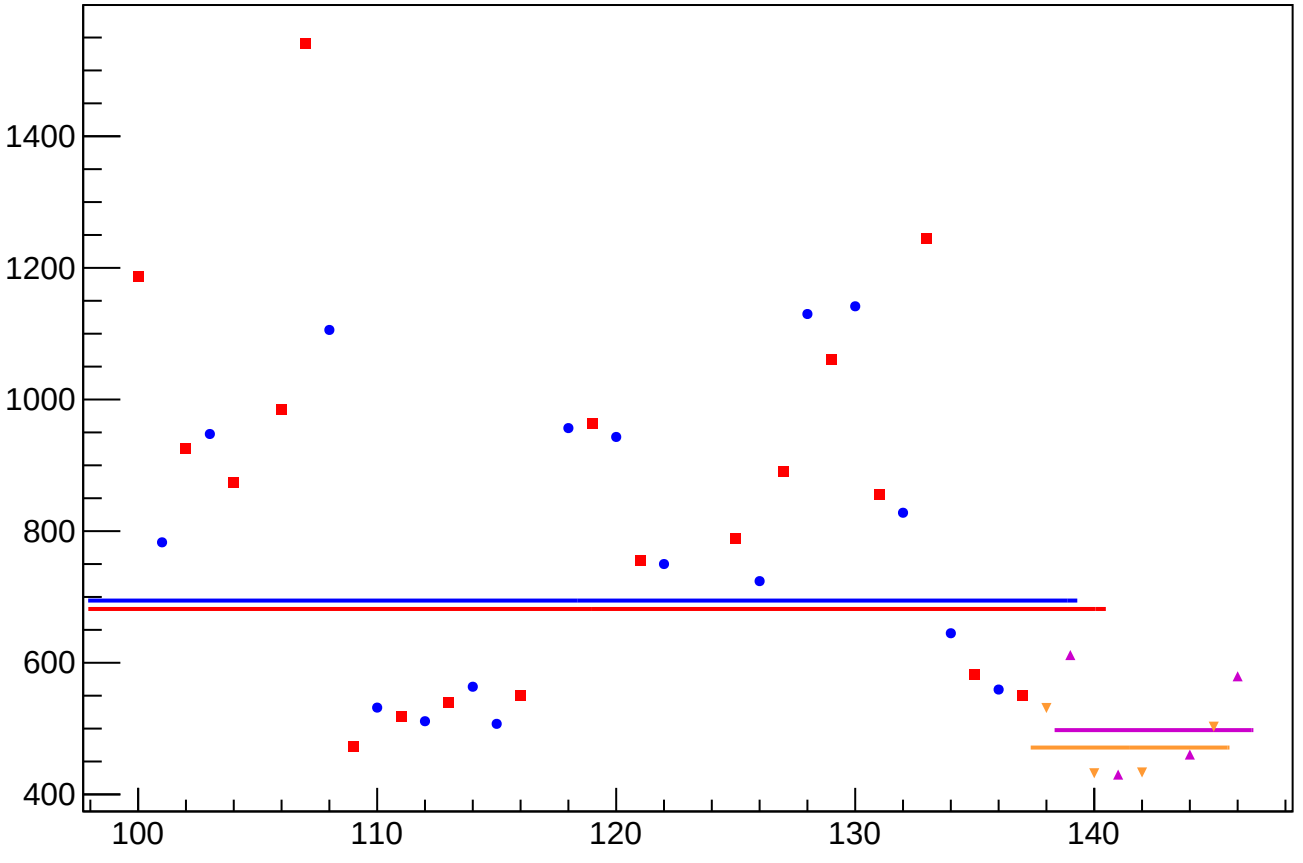
Left In: -134.881+/-268.295 χ^2/NDF:3.0/3

+ sign -129.605+/-194.416 χ^2/NDF: 33.1/19

All: -238.590+/-135.383 χ^2/NDF: 49.6/41

- sign -341.190+/-188.636 χ^2/NDF: 15.9/21

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 471.189+/-0.199 χ^2/NDF:46203.2/3

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

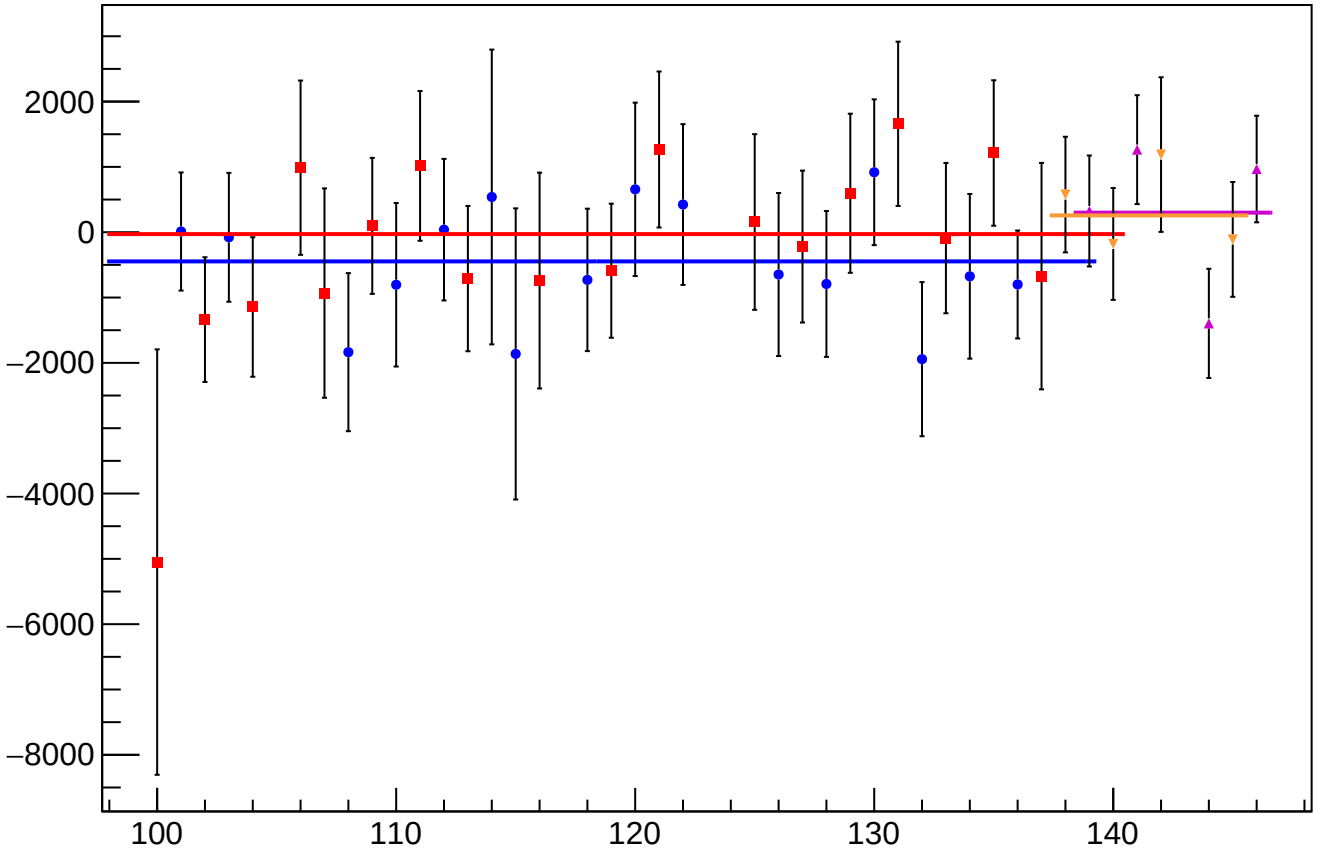
Left In: 497.675+/-0.190 χ^2/NDF:149514.8/3

+ sign 587.574+/-0.137 χ^2/NDF: 1734711.4/19

All: 589.210+/-0.096 χ^2/NDF: 3671846.6/41

- sign 590.751+/-0.133 χ^2/NDF: 1936860.0/21

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: 257.317+/-463.697 χ^2/NDF:1.2/3

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

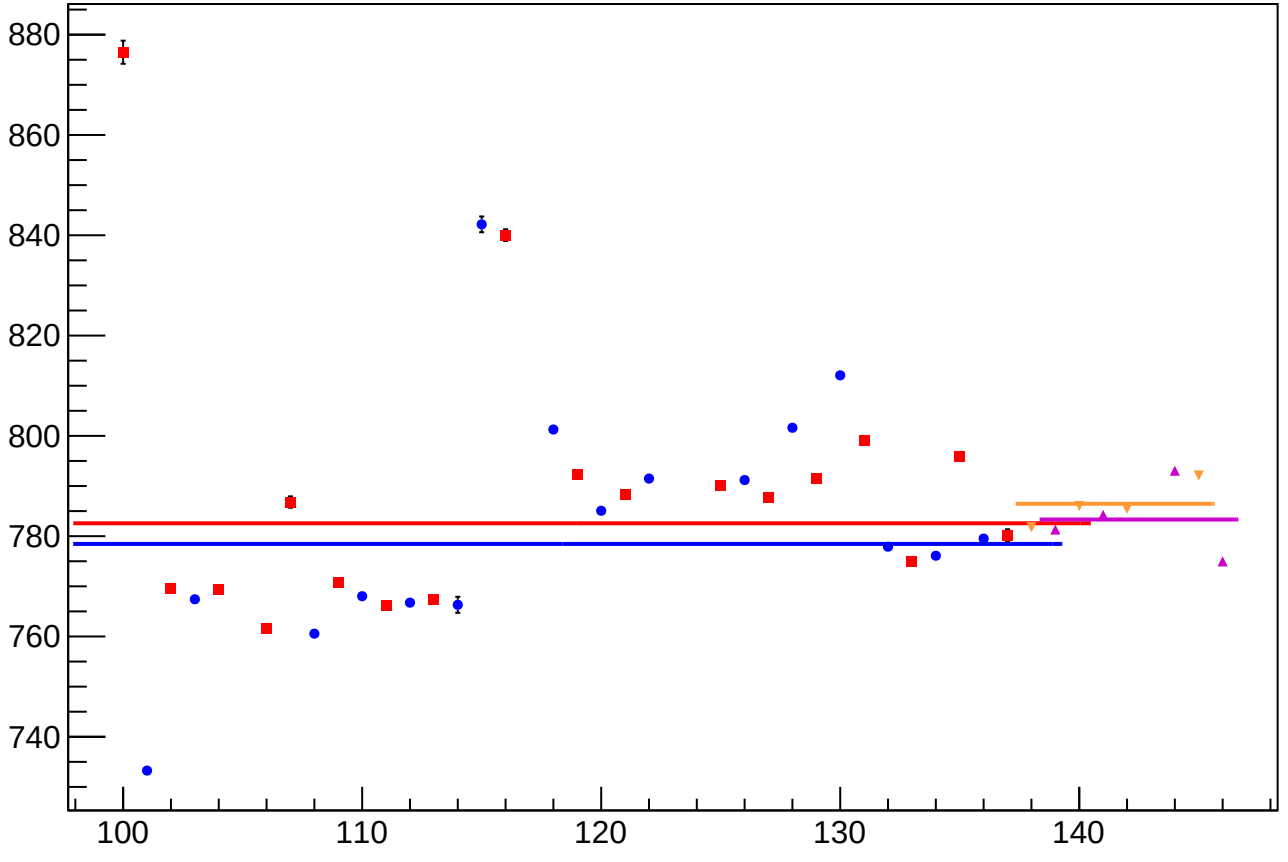
Left In: 299.552+/-416.684 χ^2/NDF:6.1/3

+ sign -249.474+/-245.410 χ^2/NDF: 10.1/19

All: -80.351+/-170.526 χ^2/NDF: 30.2/41

- sign 77.545+/-237.124 χ^2/NDF: 19.2/21

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 786.457+/-0.328 χ^2/NDF:140.3/3

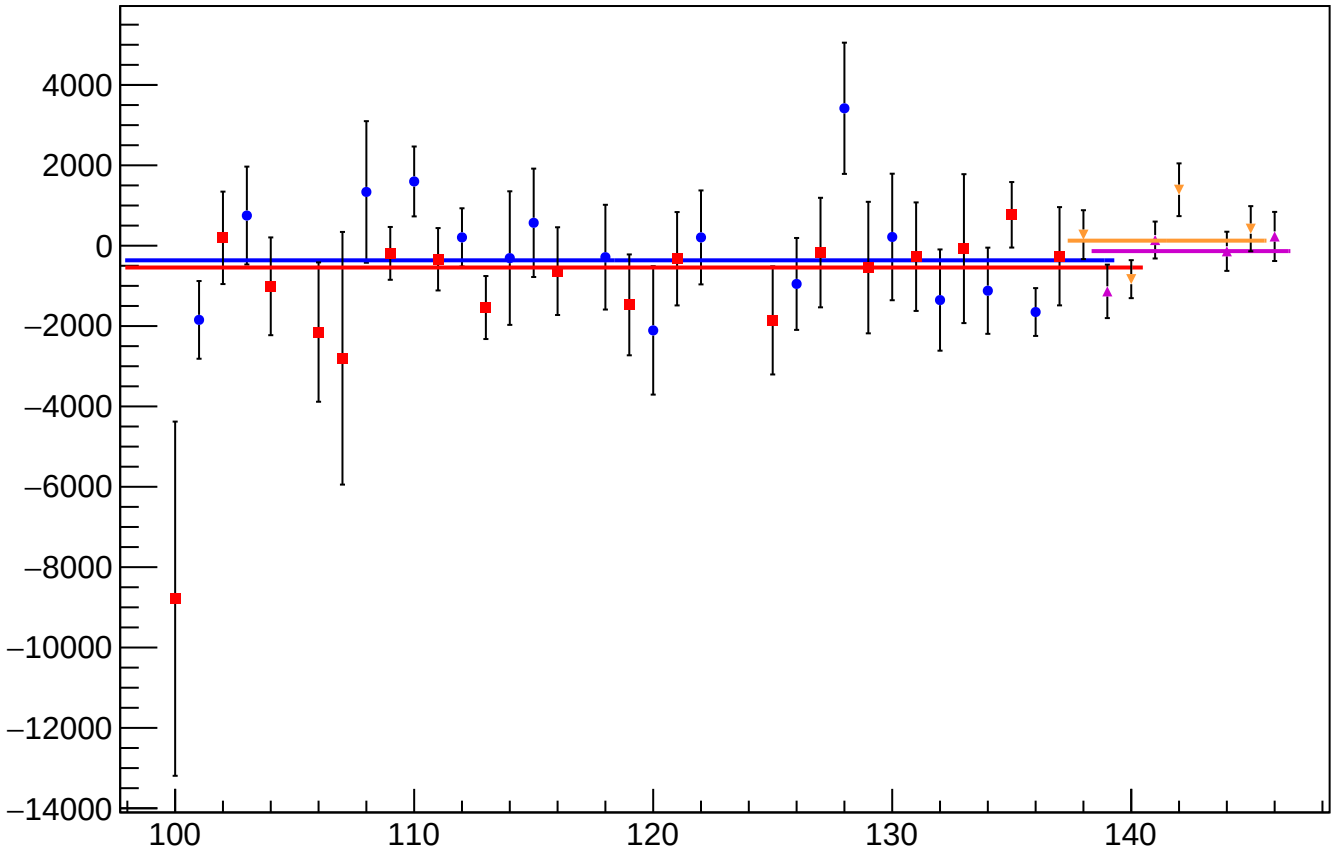
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 783.321+/-0.295 χ^2/NDF:494.2/3

+ sign 780.697+/-0.174 χ^2/NDF: 12364.2/19

All: 781.793+/-0.121 χ^2/NDF: 20421.4/41

- sign 782.817+/-0.168 χ^2/NDF: 7980.0/21



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

Left Out: 125.444+/-280.945 χ^2/NDF:8.2/3

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

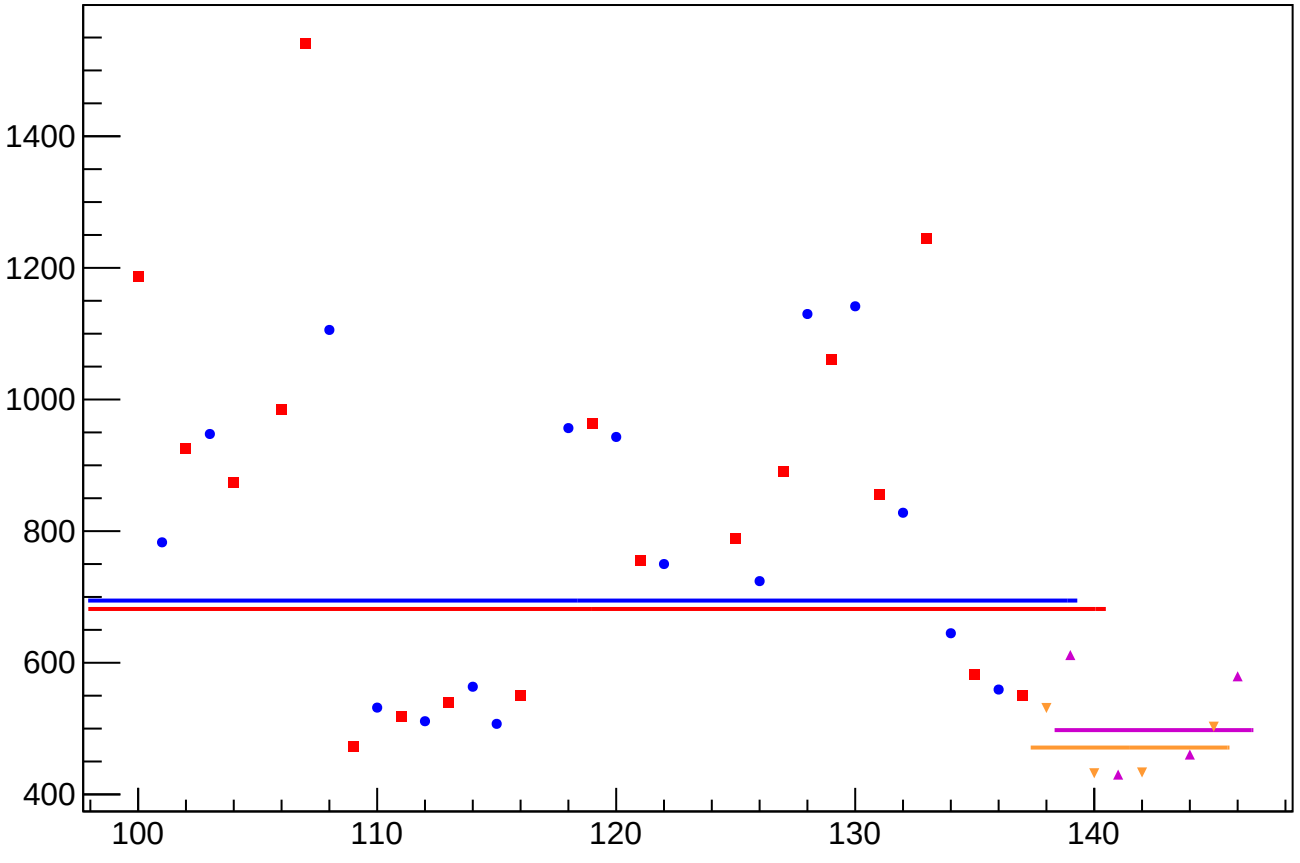
Left In: -134.879+/-268.294 χ^2/NDF:3.0/3

+ sign -129.604+/-194.416 χ^2/NDF: 33.1/19

All: -238.589+/-135.383 χ^2/NDF: 49.6/41

- sign -341.189+/-188.635 χ^2/NDF: 15.9/21

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 471.188+/-0.199 χ^2/NDF:46207.5/3

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

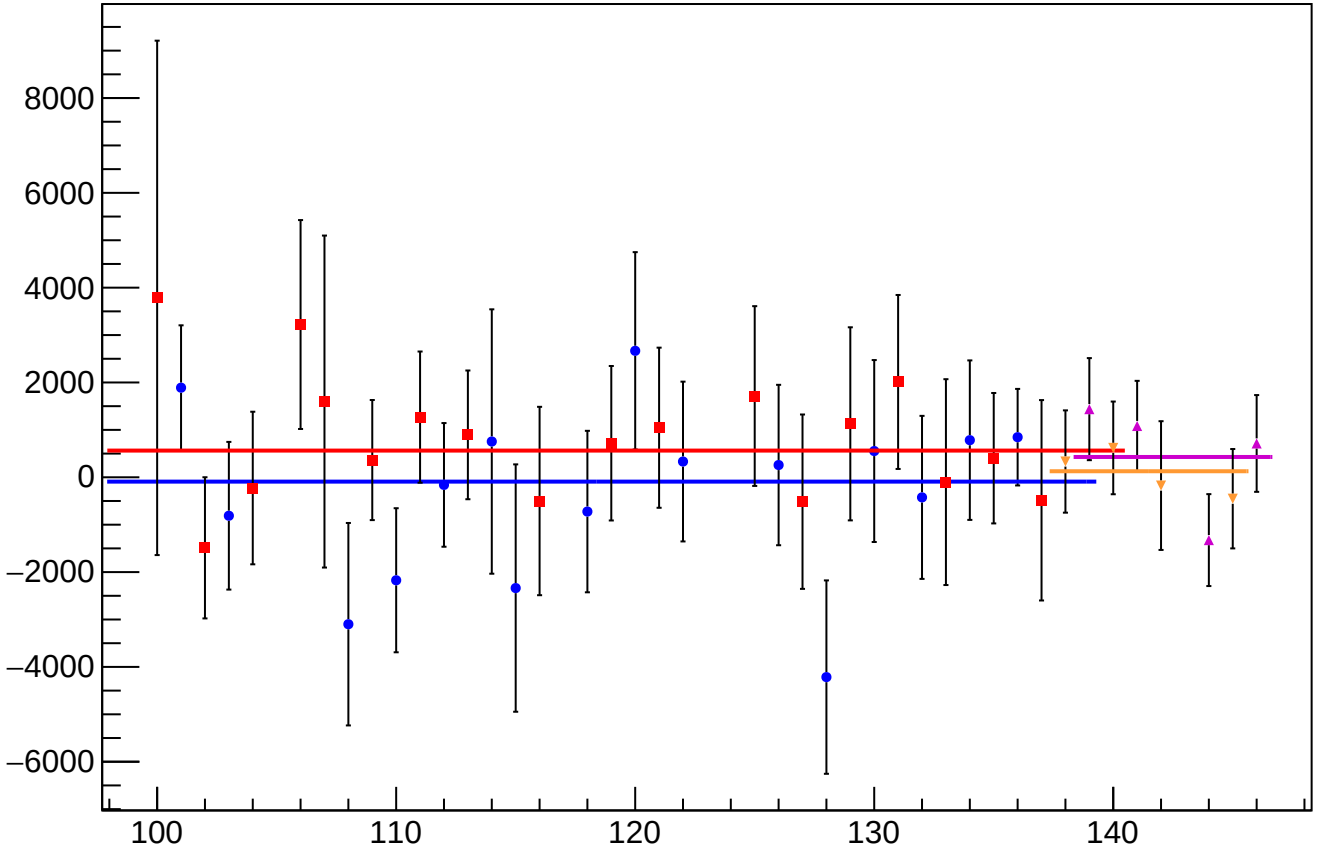
Left In: 497.674+/-0.190 χ^2/NDF:149521.7/3

+ sign 587.572+/-0.137 χ^2/NDF: 1734715.5/19

All: 589.209+/-0.096 χ^2/NDF: 3671866.0/41

- sign 590.750+/-0.133 χ^2/NDF: 1936875.1/21

asym_us_dd_mean vs Slug



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

Left Out: 127.455+/-545.749 χ^2/NDF:0.6/3

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

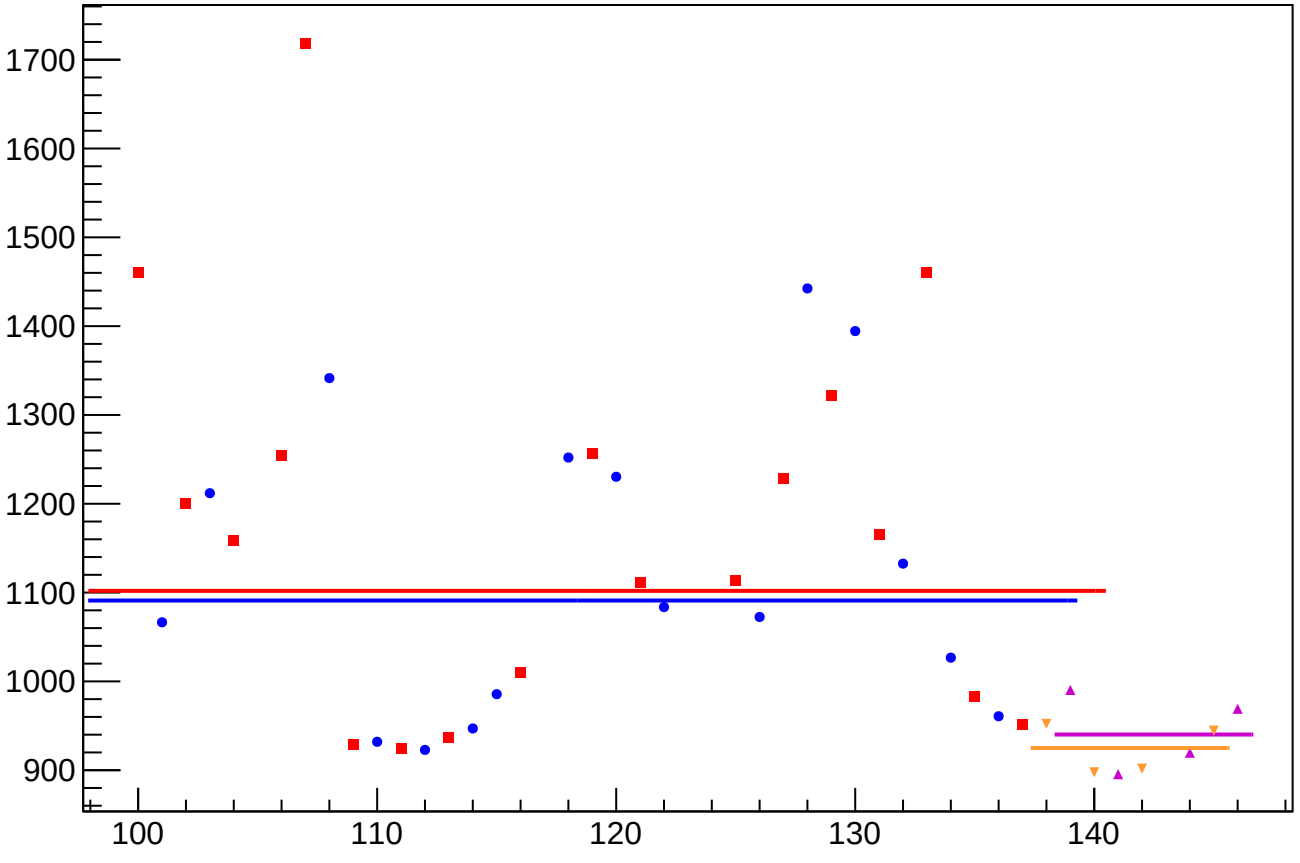
Left In: 428.502+/-500.616 χ^2/NDF:4.7/3

+ sign -12.392+/-327.779 χ^2/NDF: 15.3/19

All: 256.228+/-228.209 χ^2/NDF: 27.8/41

- sign 508.932+/-317.920 χ^2/NDF: 11.3/21

asym_us_dd_rms vs Slug



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

Left Out: 924.967+/-0.386 χ^2/NDF:4116.1/3

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

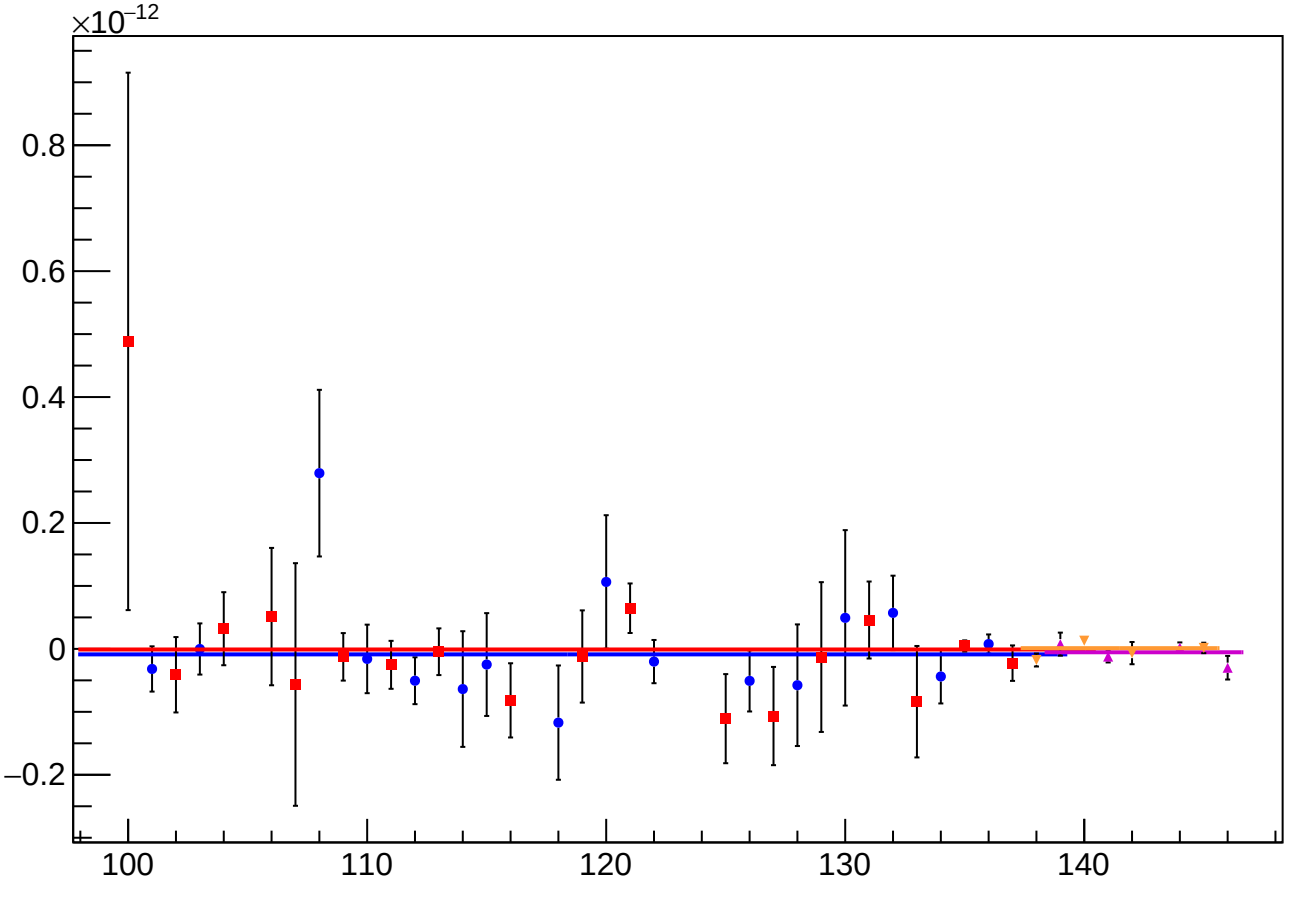
Left In: 940.188+/-0.354 χ^2/NDF:11264.0/3

+ sign 1031.134+/-0.232 χ^2/NDF: 399815.8/19

All: 1034.009+/-0.161 χ^2/NDF: 864095.0/41

- sign 1036.713+/-0.225 χ^2/NDF: 463980.6/21

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:5.9/3

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

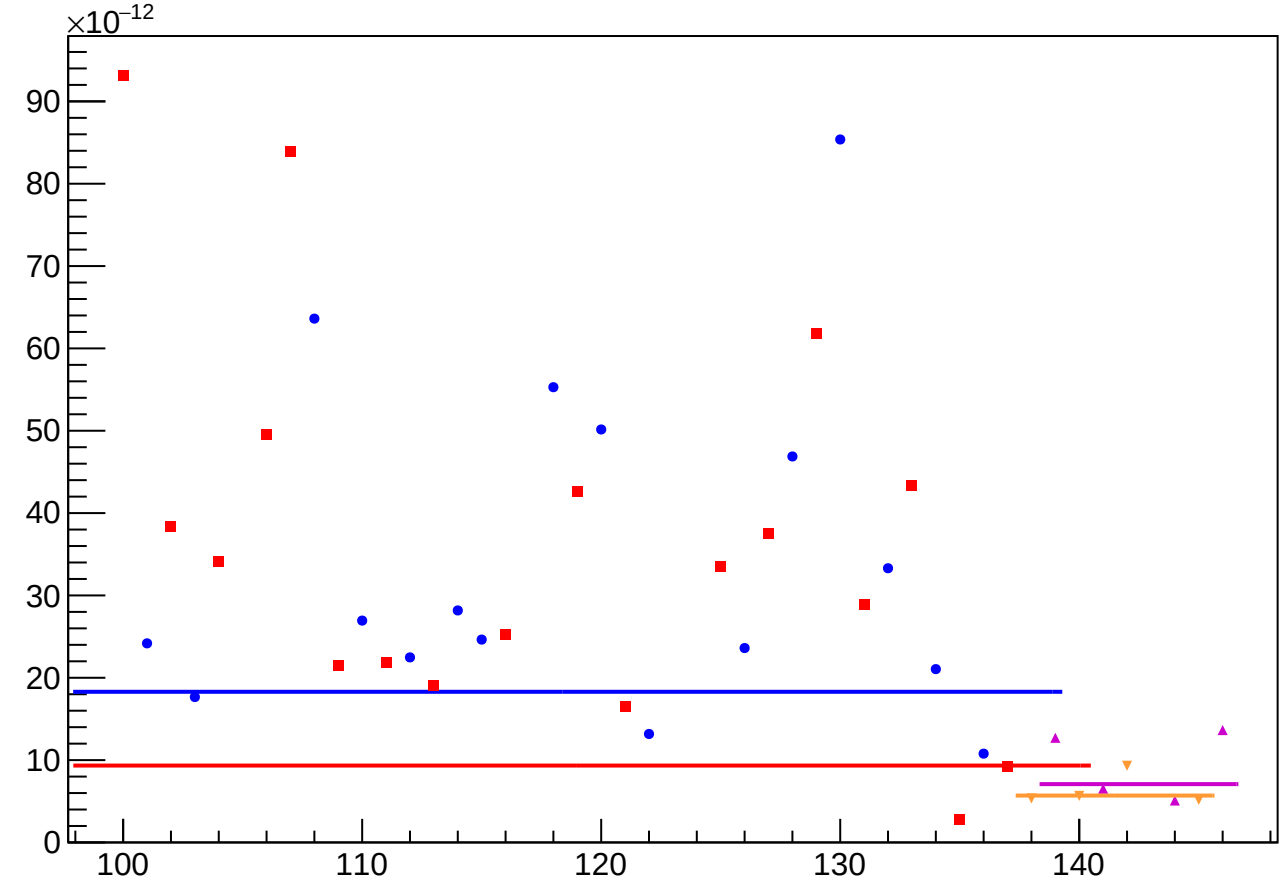
Left In: -0.000+/-0.000 χ^2/NDF:3.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.5/19

All: -0.000+/-0.000 χ^2/NDF: 38.8/41

- sign -0.000+/-0.000 χ^2/NDF: 18.1/21

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2242543.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:94347.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 5140446.0/17

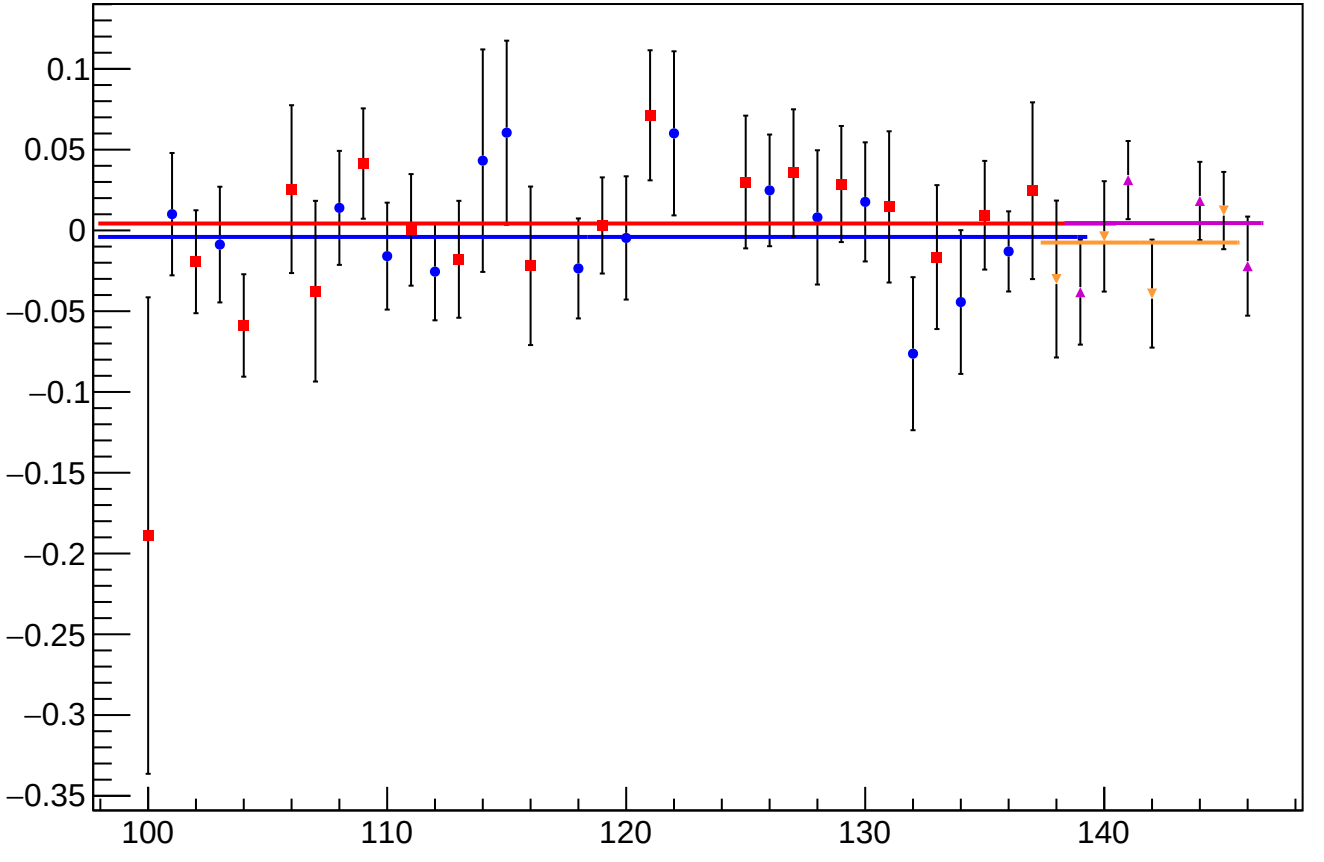
Left In: 0.000+/-0.000 χ^2/NDF:557919.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 4826359.7/19

All: 0.000+/-0.000 χ^2/NDF: 10645127.8/41

- sign 0.000+/-0.000 χ^2/NDF: 5818736.4/21

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.007+/-0.016 χ^2/NDF:1.8/3

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

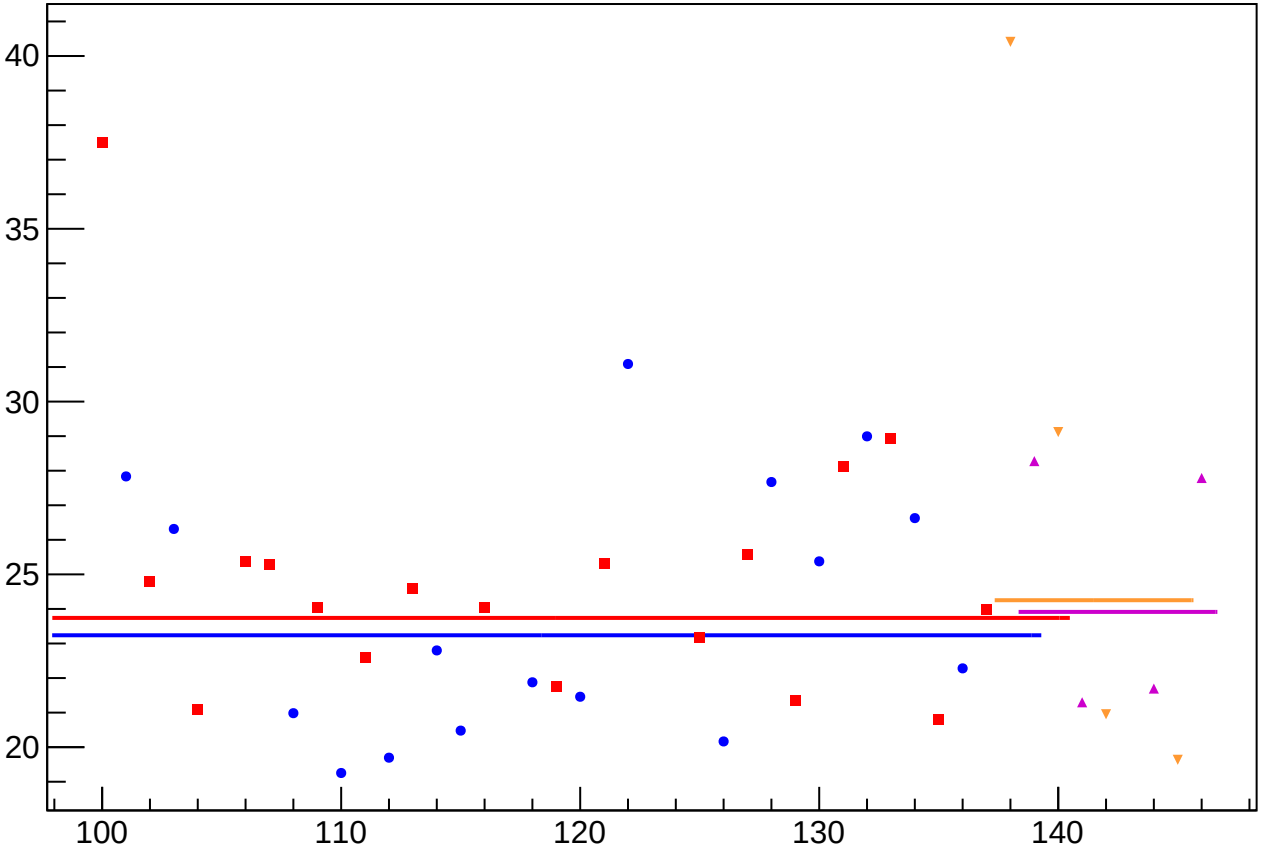
Left In: 0.005+/-0.014 χ^2/NDF:4.0/3

+ sign -0.005+/-0.008 χ^2/NDF: 11.0/19

All: -0.000+/-0.006 χ^2/NDF: 29.3/41

- sign 0.004+/-0.008 χ^2/NDF: 17.5/21

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 24.252+/-0.011 χ^2/NDF:355960.4/3

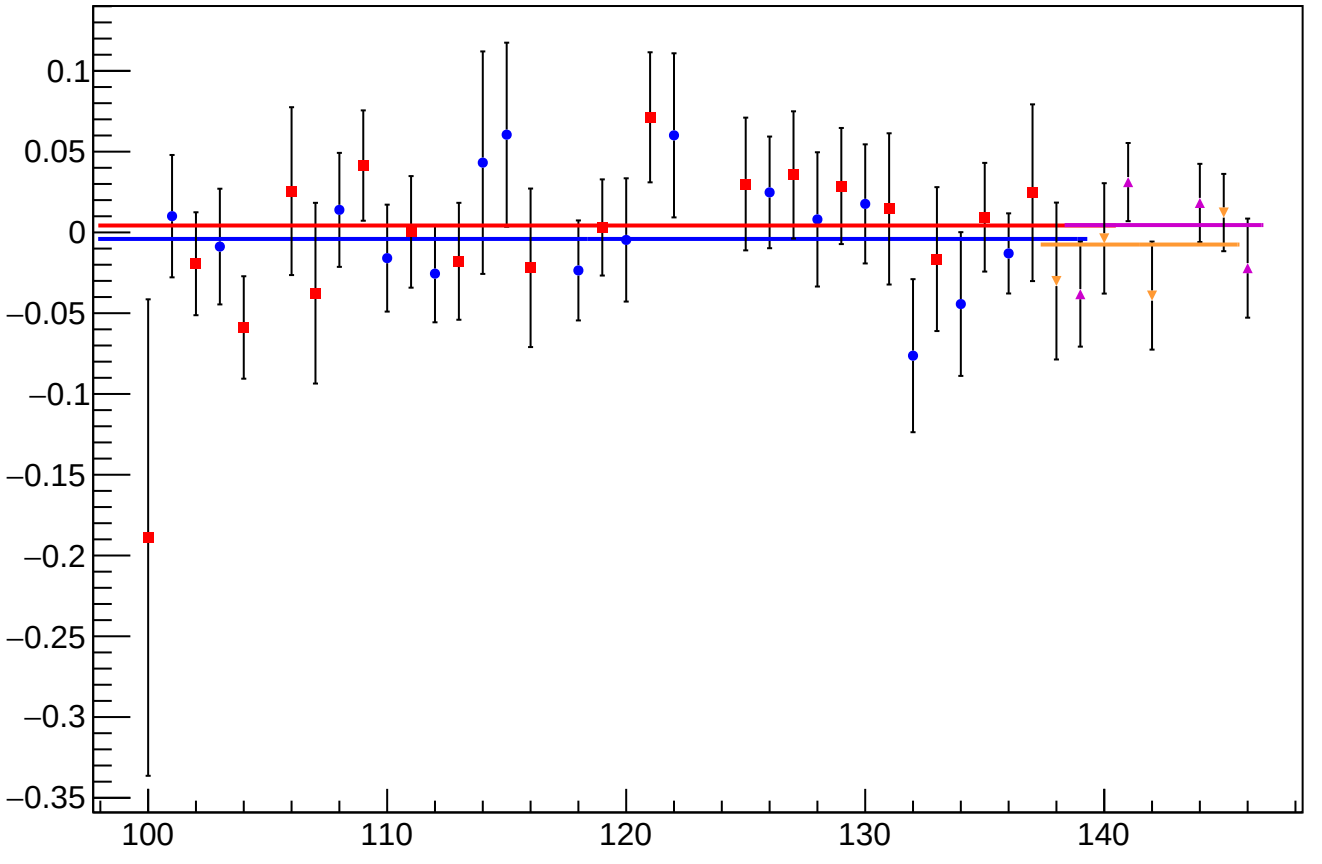
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.914+/-0.010 χ^2/NDF:108197.4/3

+ sign 23.493+/-0.006 χ^2/NDF: 621235.4/19

All: 23.651+/-0.004 χ^2/NDF: 857327.1/41

- sign 23.796+/-0.005 χ^2/NDF: 234604.2/21



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

Left Out: -0.007+/-0.016 χ^2/NDF:1.8/3

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

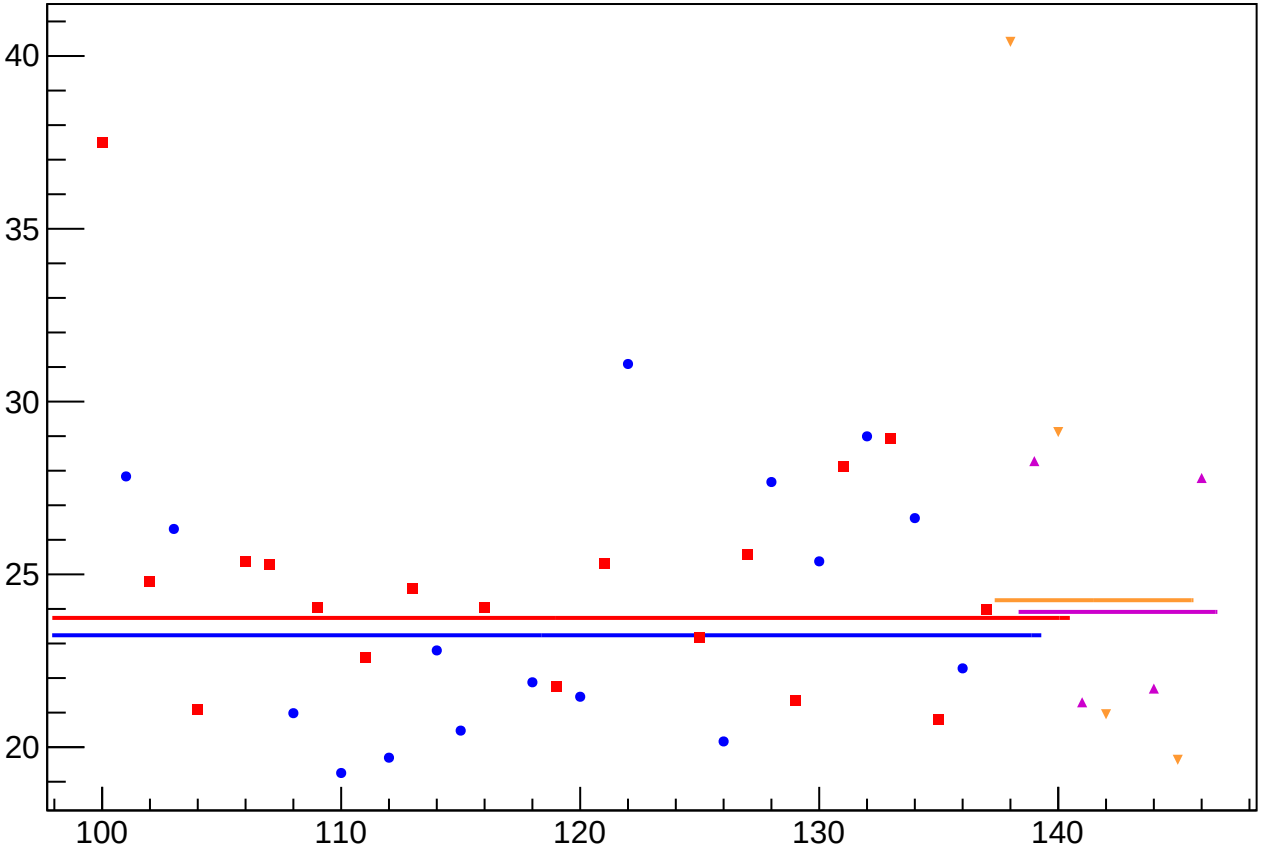
Left In: 0.005+/-0.014 χ^2/NDF:4.0/3

+ sign -0.005+/-0.008 χ^2/NDF: 11.0/19

All: -0.000+/-0.006 χ^2/NDF: 29.3/41

- sign 0.004+/-0.008 χ^2/NDF: 17.5/21

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 24.252+/-0.011 χ^2/NDF:355960.4/3

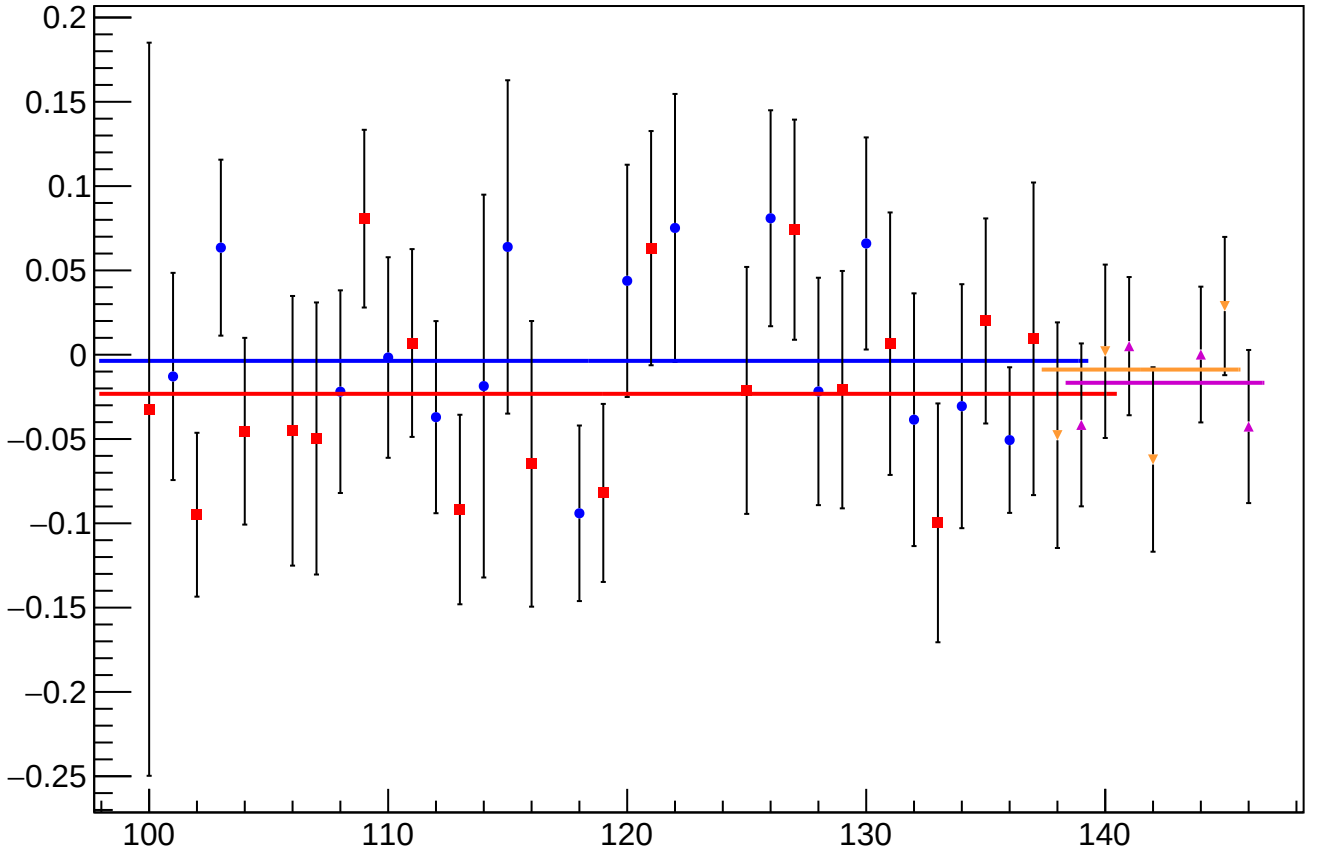
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.914+/-0.010 χ^2/NDF:108197.4/3

+ sign 23.493+/-0.006 χ^2/NDF: 621235.4/19

All: 23.651+/-0.004 χ^2/NDF: 857327.1/41

- sign 23.796+/-0.005 χ^2/NDF: 234604.2/21



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

Left Out: -0.009+/-0.026 χ^2/NDF:2.2/3

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

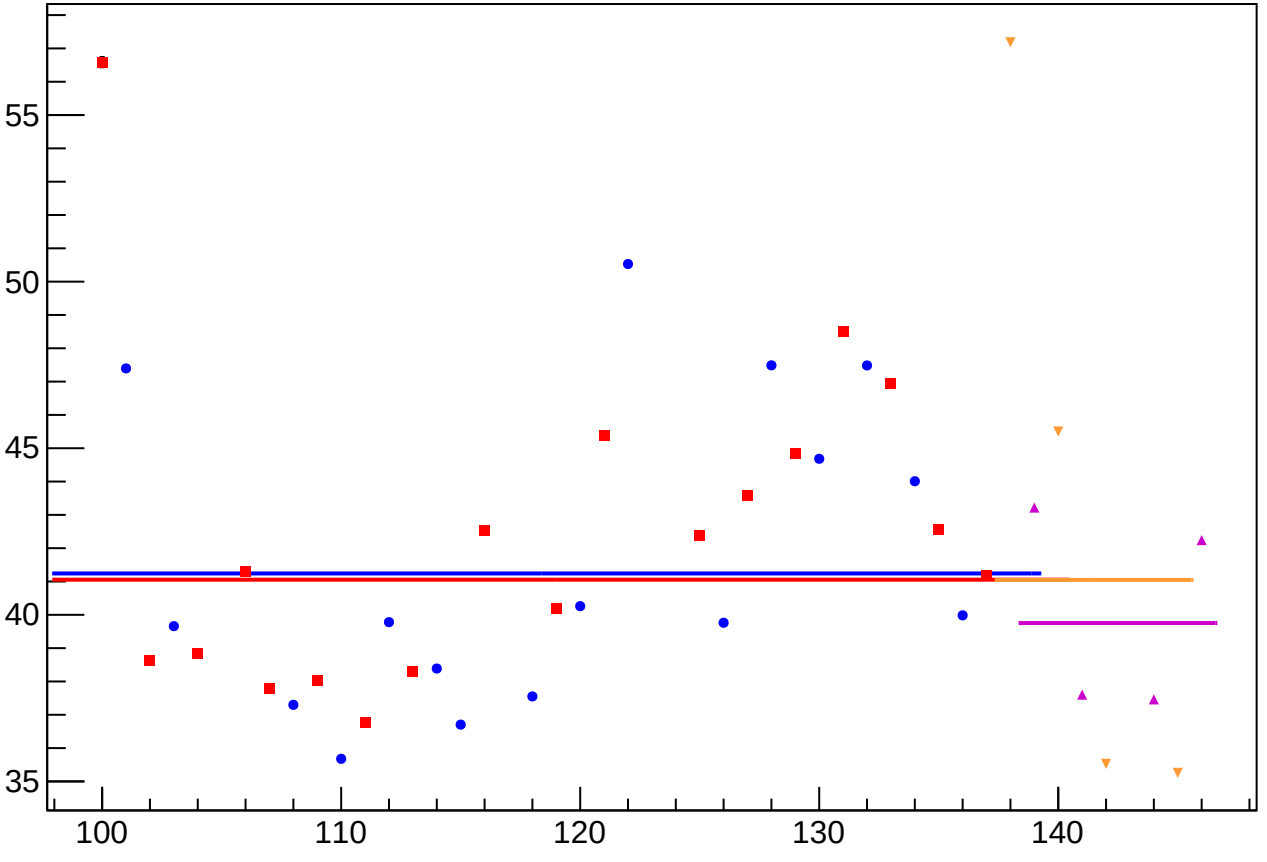
Left In: -0.017+/-0.022 χ^2/NDF:1.0/3

+ sign -0.005+/-0.013 χ^2/NDF: 13.9/19

All: -0.014+/-0.009 χ^2/NDF: 31.1/41

- sign -0.021+/-0.013 χ^2/NDF: 16.5/21

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: 41.048+/-0.018 χ^2/NDF:191621.0/3

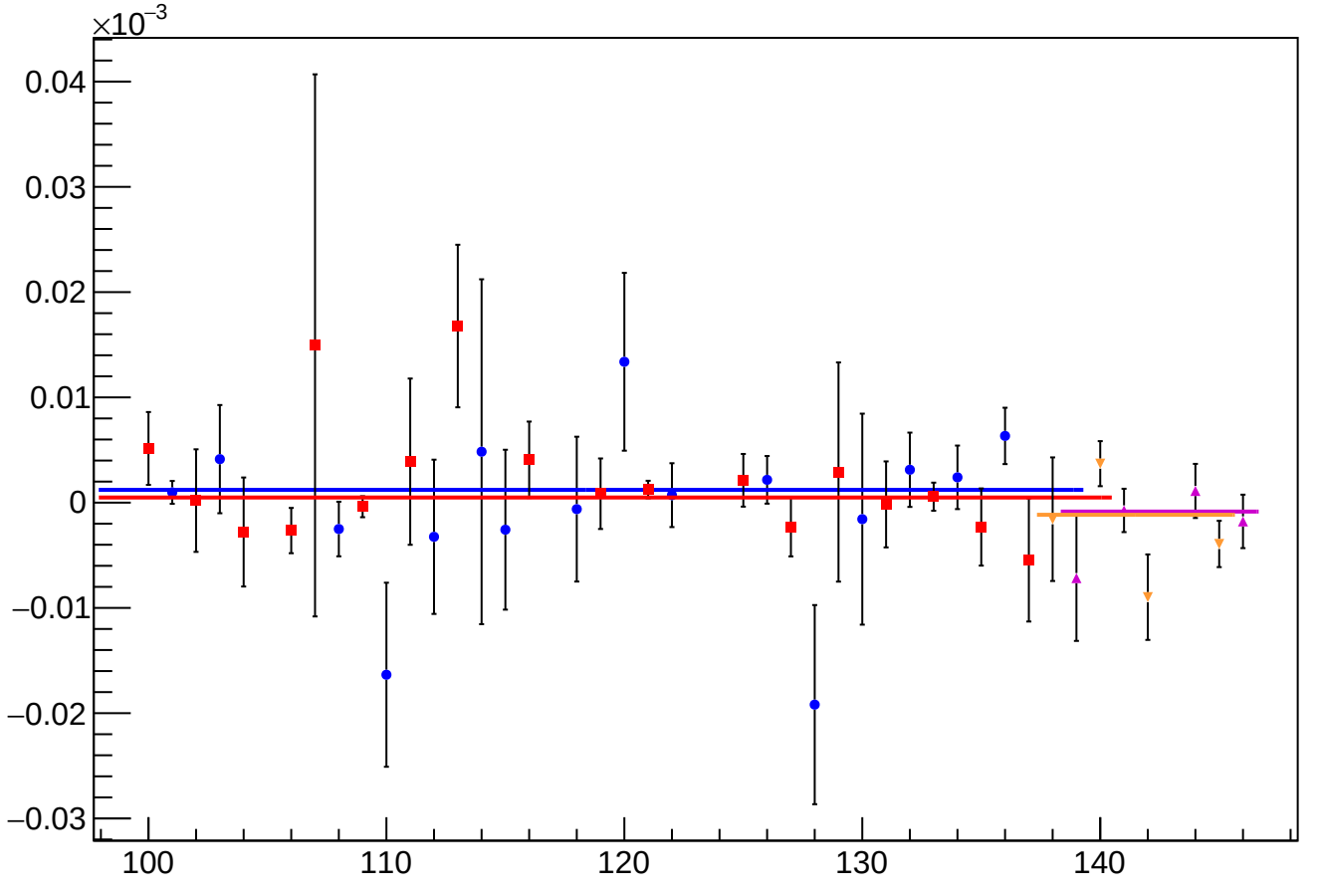
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.753+/-0.015 χ^2/NDF:28277.9/3

+ sign 41.188+/-0.009 χ^2/NDF: 326983.7/19

All: 40.884+/-0.006 χ^2/NDF: 458530.0/41

- sign 40.615+/-0.009 χ^2/NDF: 129602.7/21



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/3

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

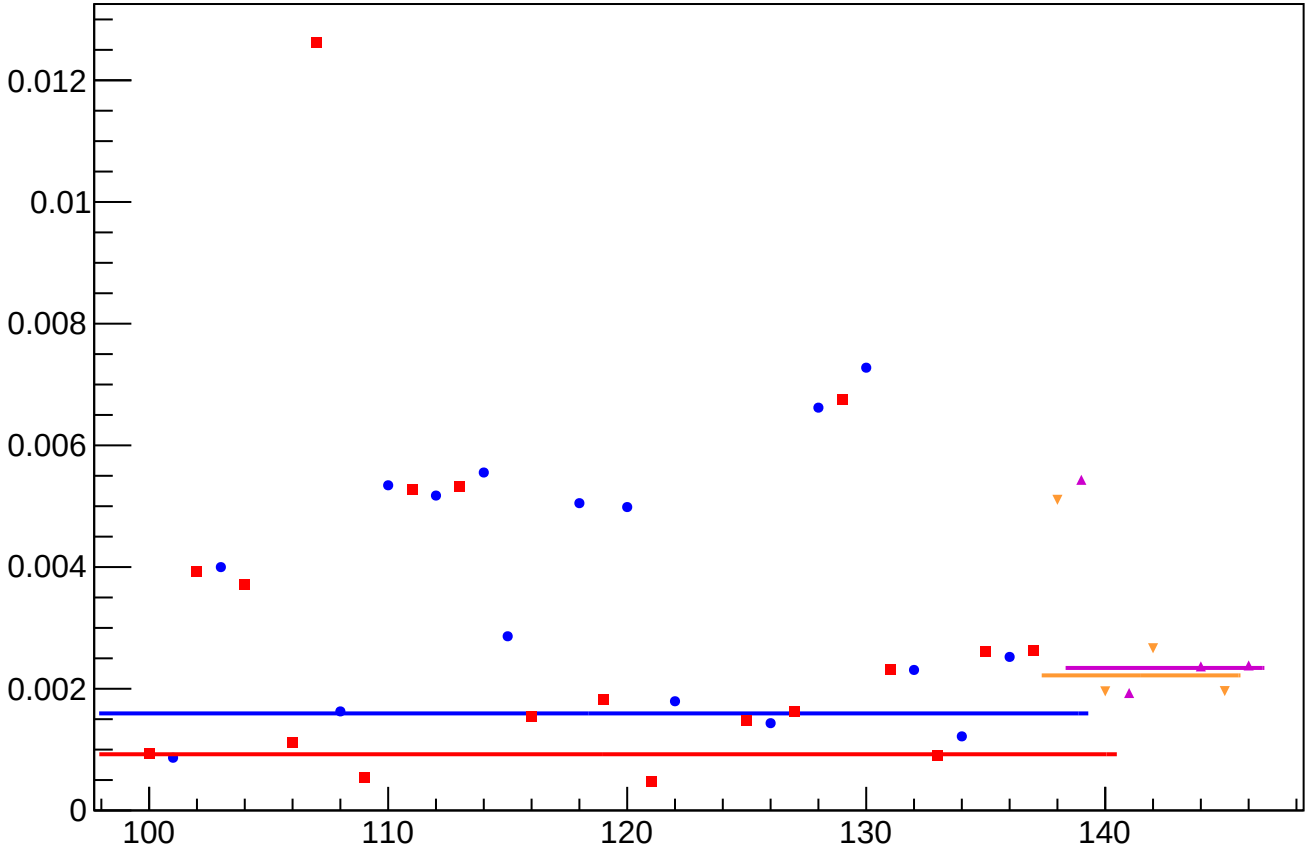
Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/19

All: 0.000+/-0.000 χ^2/NDF: 48.9/41

- sign 0.000+/-0.000 χ^2/NDF: 17.7/21

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:564863.6/3

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

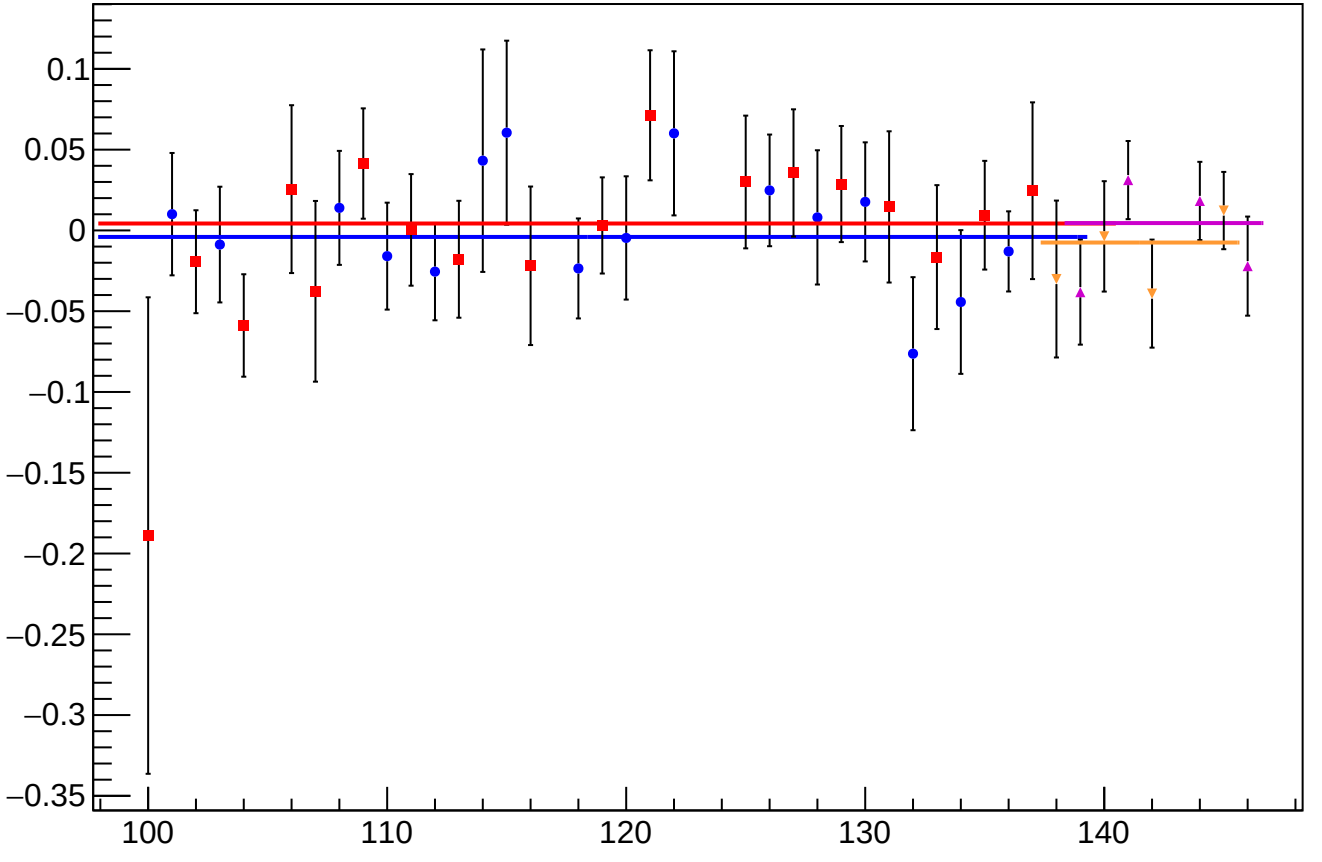
Left In: 0.002+/-0.000 χ^2/NDF:617695.2/3

+ sign 0.002+/-0.000 χ^2/NDF: 5638609.7/19

All: 0.001+/-0.000 χ^2/NDF: 15289284.2/41

- sign 0.001+/-0.000 χ^2/NDF: 8409786.9/21

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.008+/-0.016 χ^2/NDF:1.8/3

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

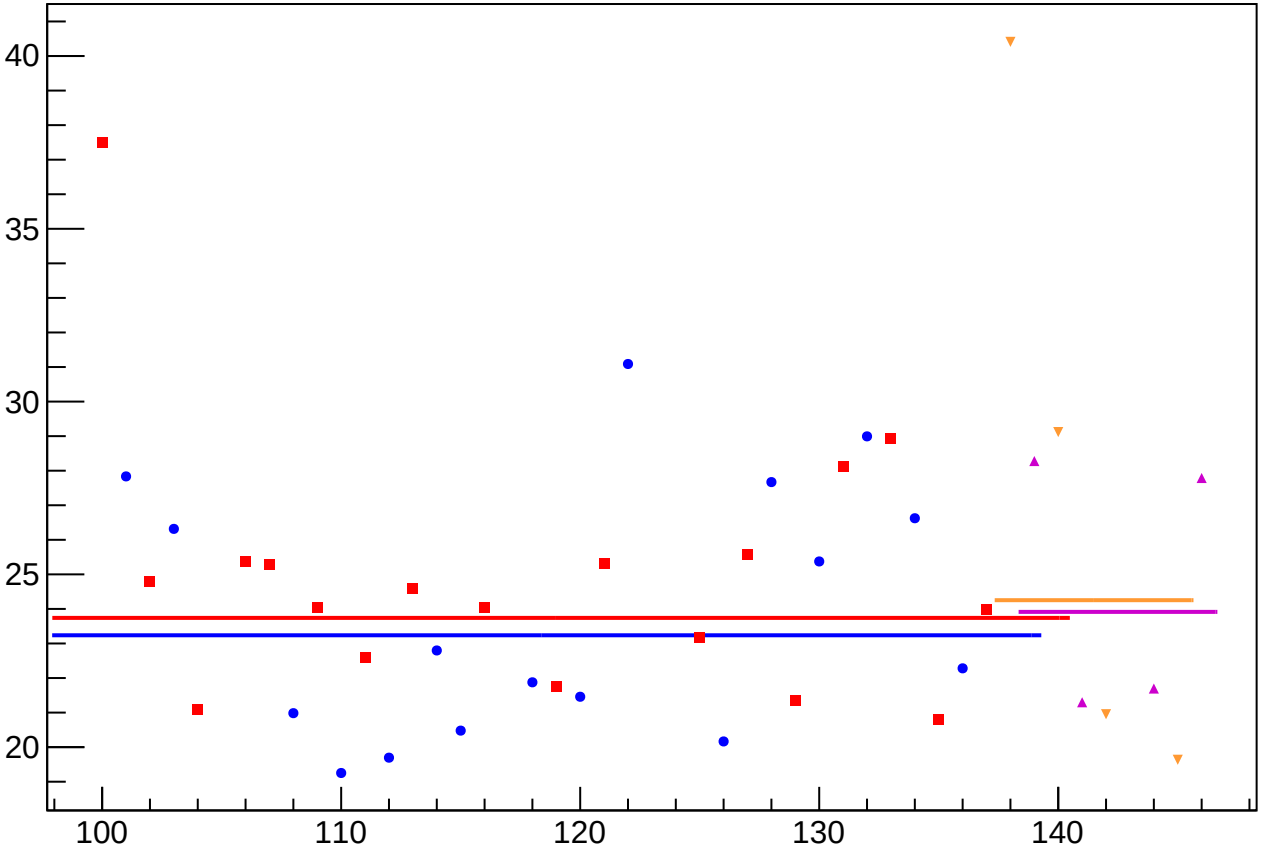
Left In: 0.005+/-0.014 χ^2/NDF:4.0/3

+ sign -0.005+/-0.008 χ^2/NDF: 11.0/19

All: -0.000+/-0.006 χ^2/NDF: 29.3/41

- sign 0.004+/-0.008 χ^2/NDF: 17.5/21

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 24.253+/-0.011 χ^2/NDF:355945.1/3

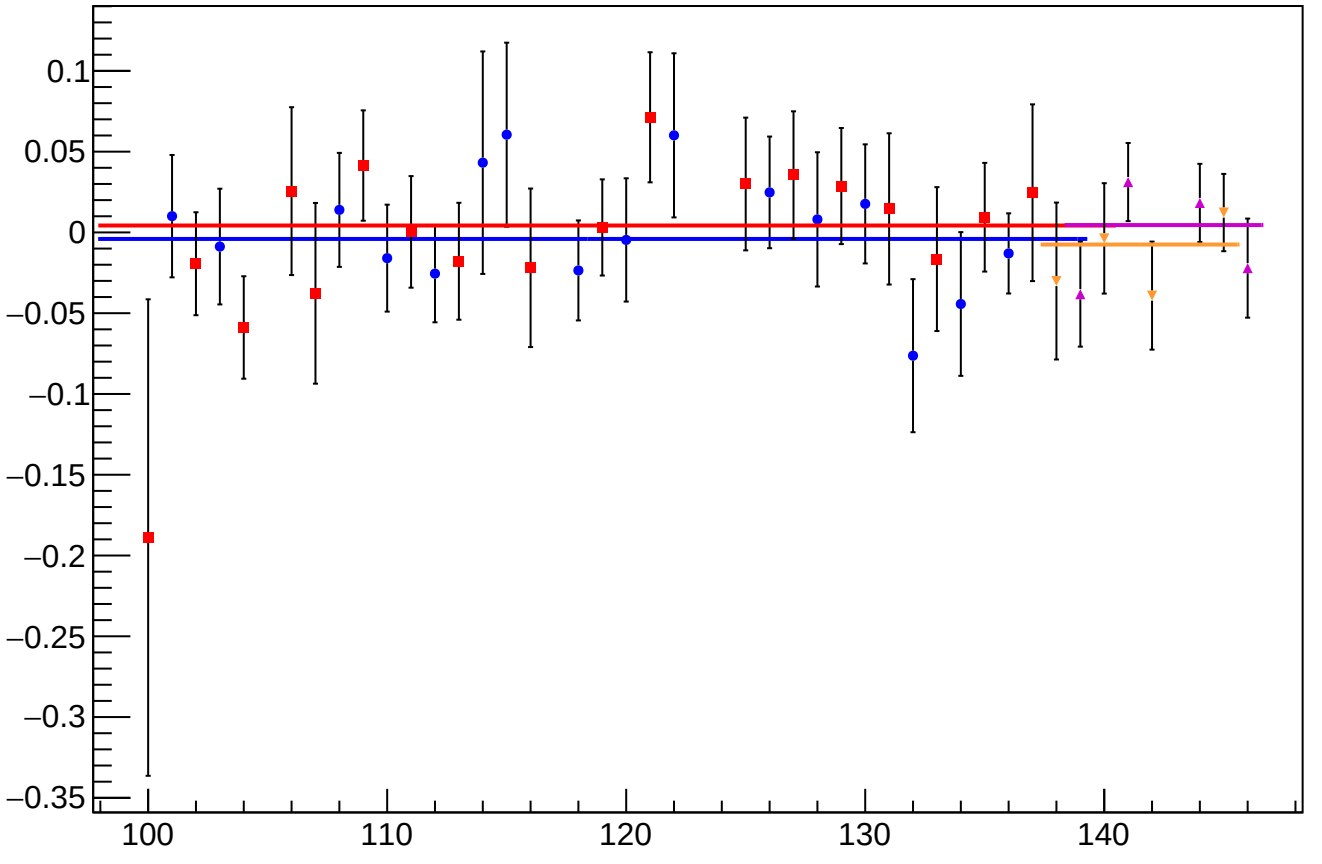
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.914+/-0.010 χ^2/NDF:108209.3/3

+ sign 23.493+/-0.006 χ^2/NDF: 621220.7/19

All: 23.651+/-0.004 χ^2/NDF: 857279.3/41

- sign 23.796+/-0.005 χ^2/NDF: 234564.9/21



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

Left Out: -0.008+/-0.016 χ^2/NDF:1.8/3

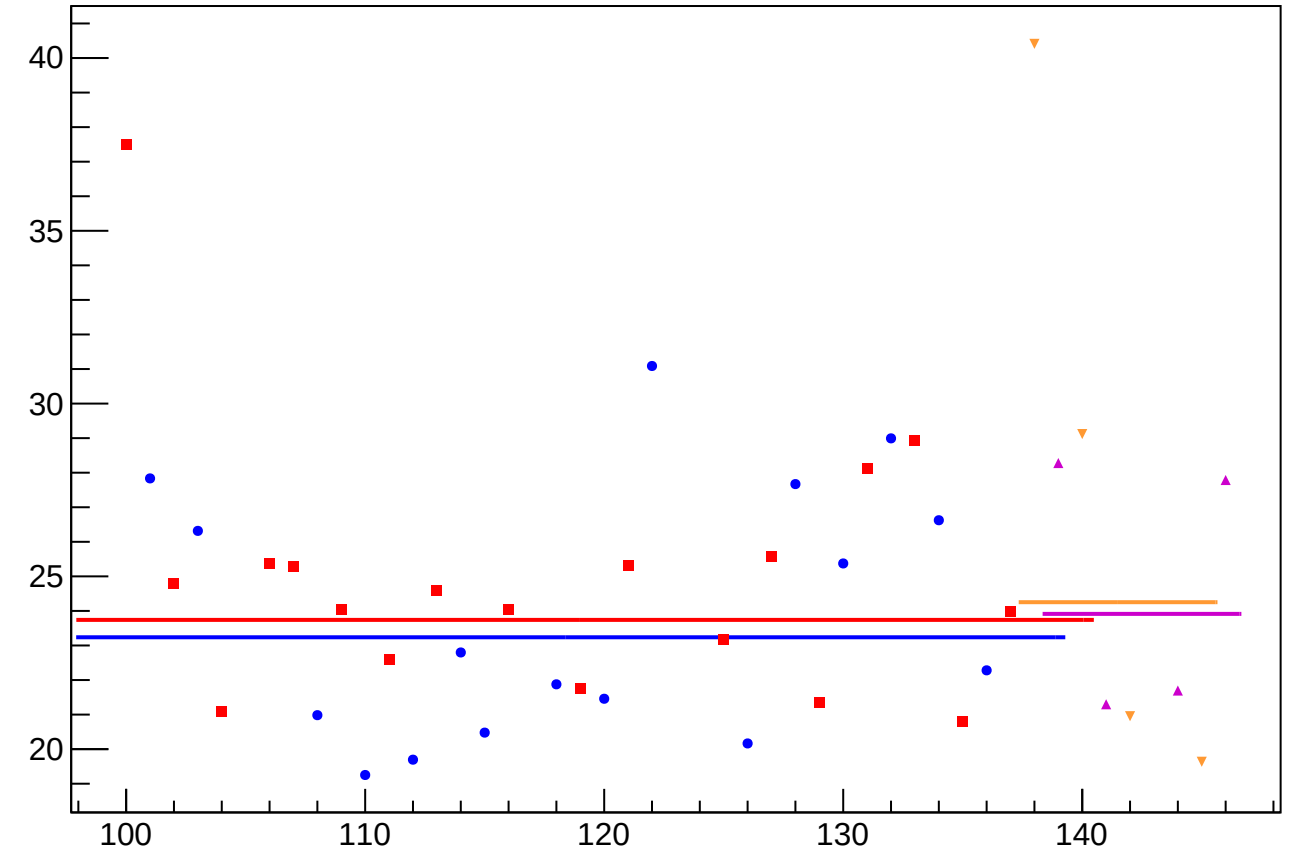
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.005+/-0.014 χ^2/NDF:4.0/3

+ sign -0.005+/-0.008 χ^2/NDF: 11.0/19

All: -0.000+/-0.006 χ^2/NDF: 29.3/41

- sign 0.004+/-0.008 χ^2/NDF: 17.5/21



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

Left Out: 24.253+/-0.011 χ^2/NDF:355945.1/3

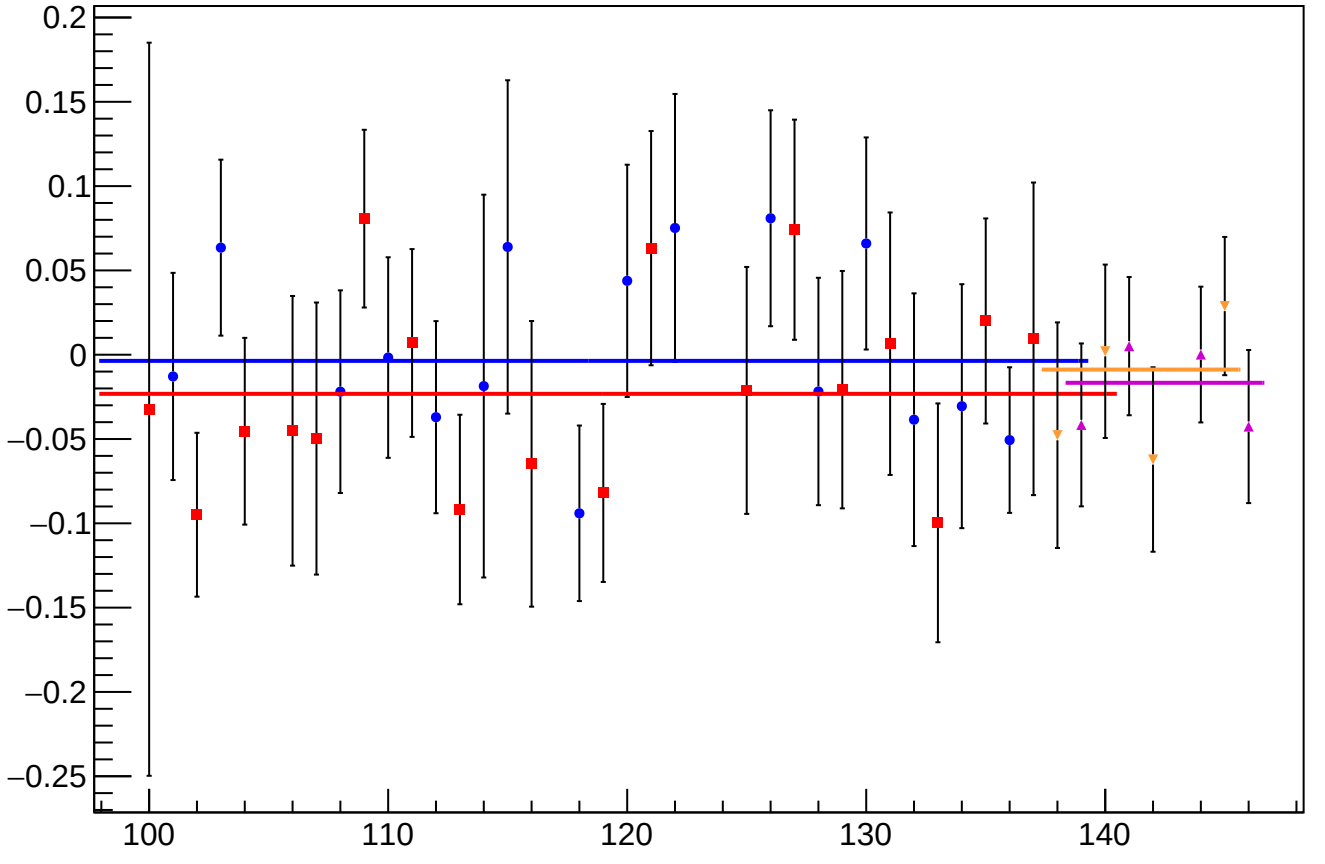
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.914+/-0.010 χ^2/NDF:108209.3/3

+ sign 23.493+/-0.006 χ^2/NDF: 621220.7/19

All: 23.651+/-0.004 χ^2/NDF: 857279.3/41

- sign 23.796+/-0.005 χ^2/NDF: 234564.9/21



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

Left Out: -0.009+/-0.026 χ^2/NDF:2.2/3

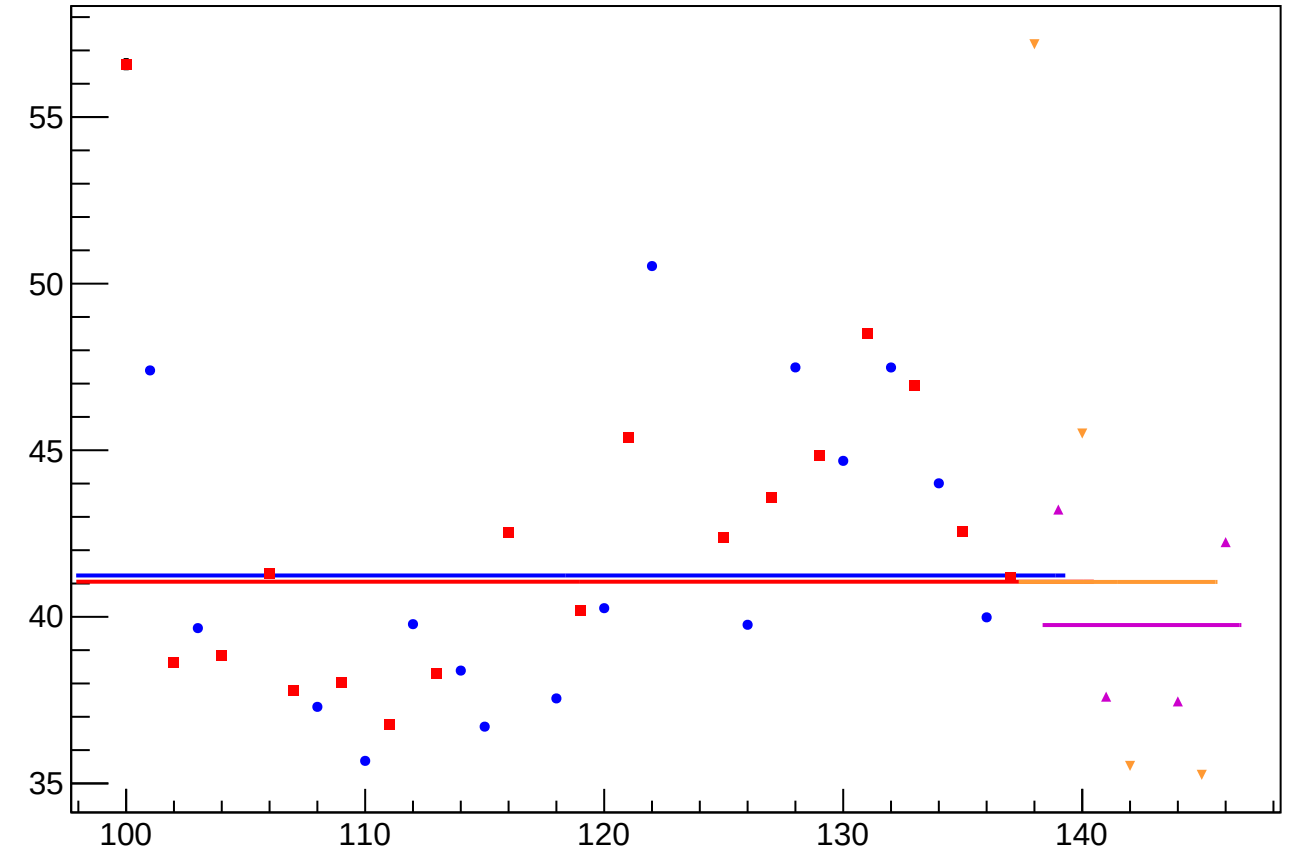
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.017+/-0.022 χ^2/NDF:1.0/3

+ sign -0.005+/-0.013 χ^2/NDF: 13.9/19

All: -0.014+/-0.009 χ^2/NDF: 31.1/41

- sign -0.021+/-0.013 χ^2/NDF: 16.5/21



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

Left Out: 41.048+/-0.018 χ^2/NDF:191619.0/3

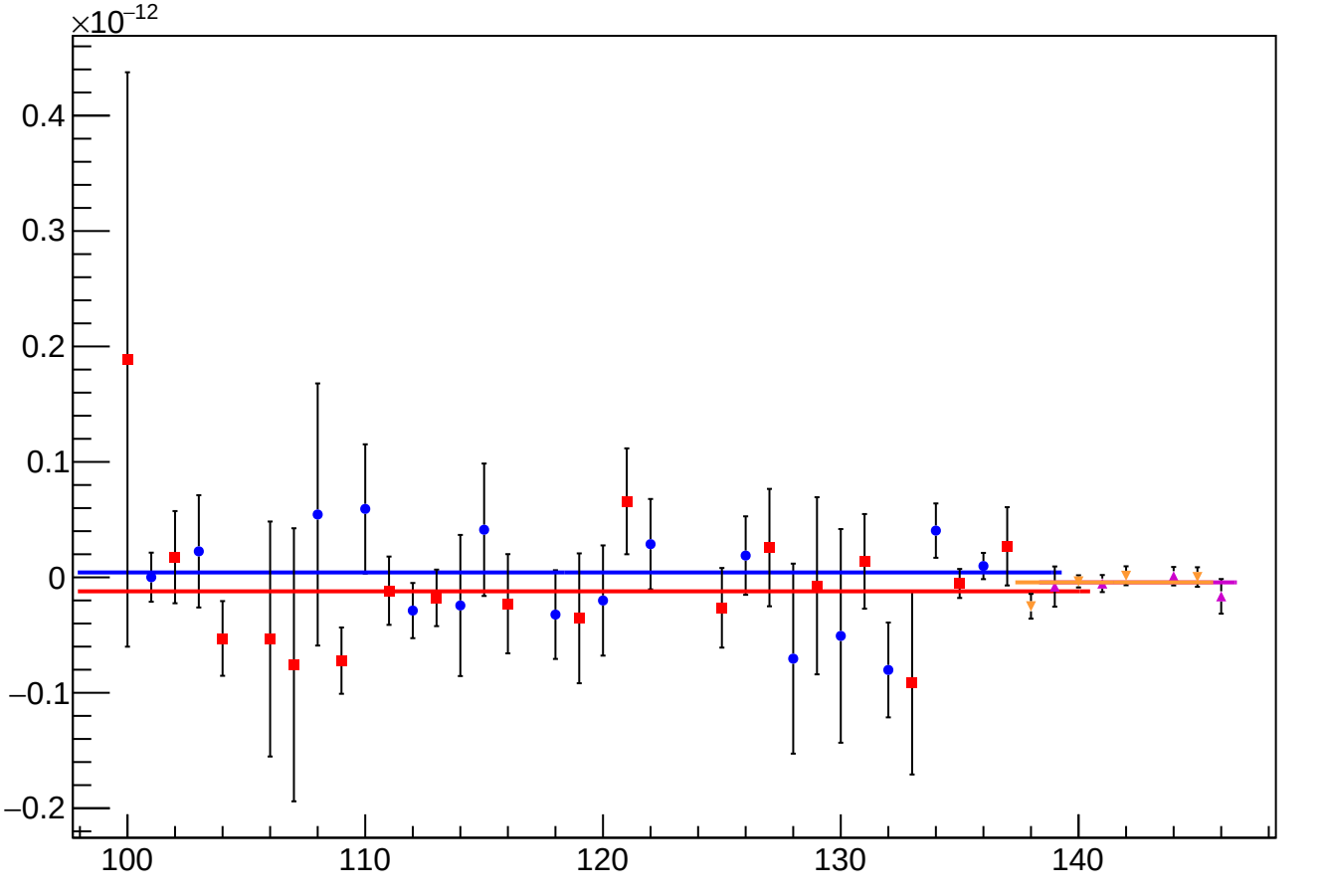
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.754+/-0.015 χ^2/NDF:28282.3/3

+ sign 41.188+/-0.009 χ^2/NDF: 326959.3/19

All: 40.884+/-0.006 χ^2/NDF: 458496.4/41

- sign 40.615+/-0.009 χ^2/NDF: 129594.7/21



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/3

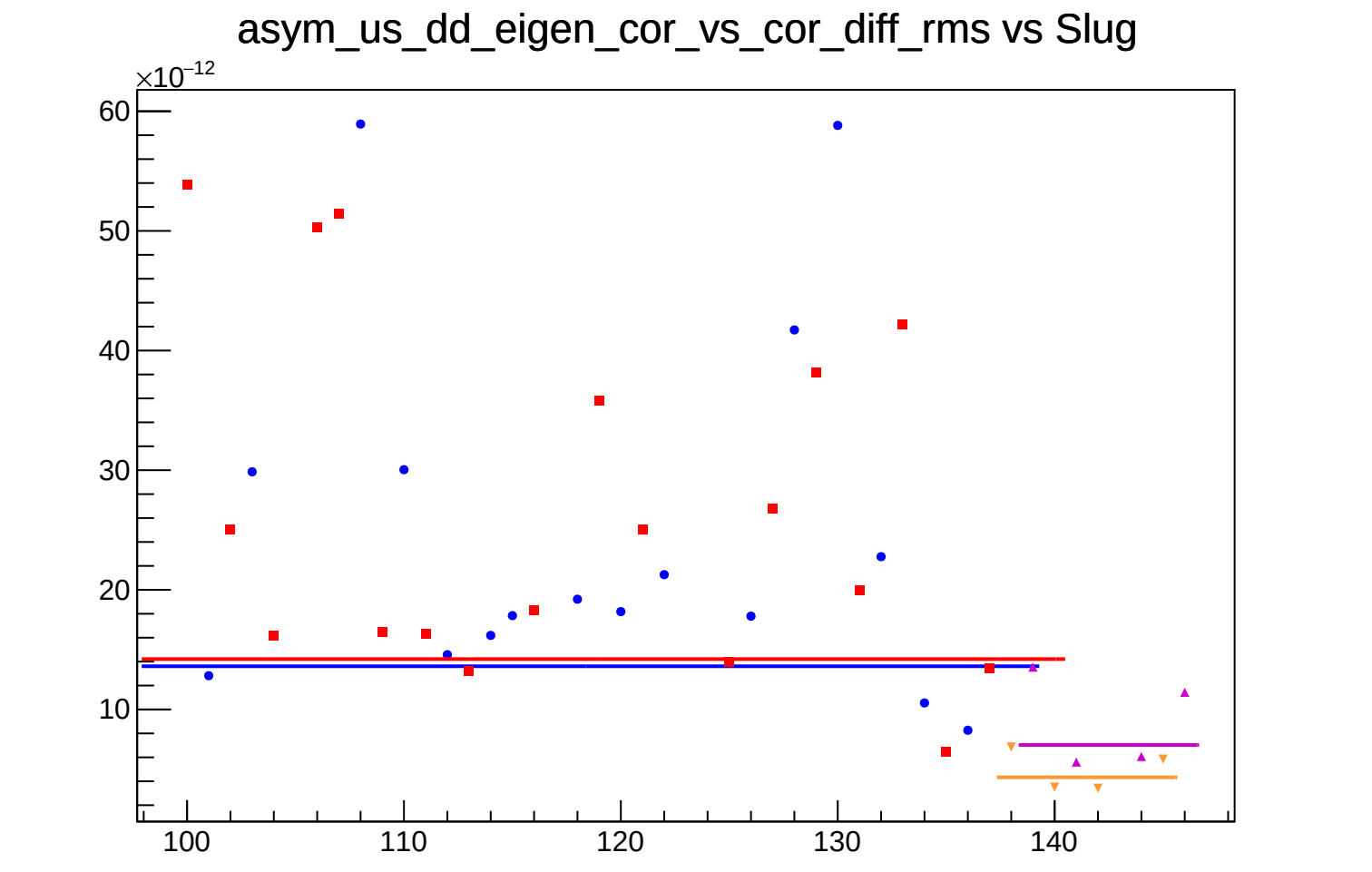
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

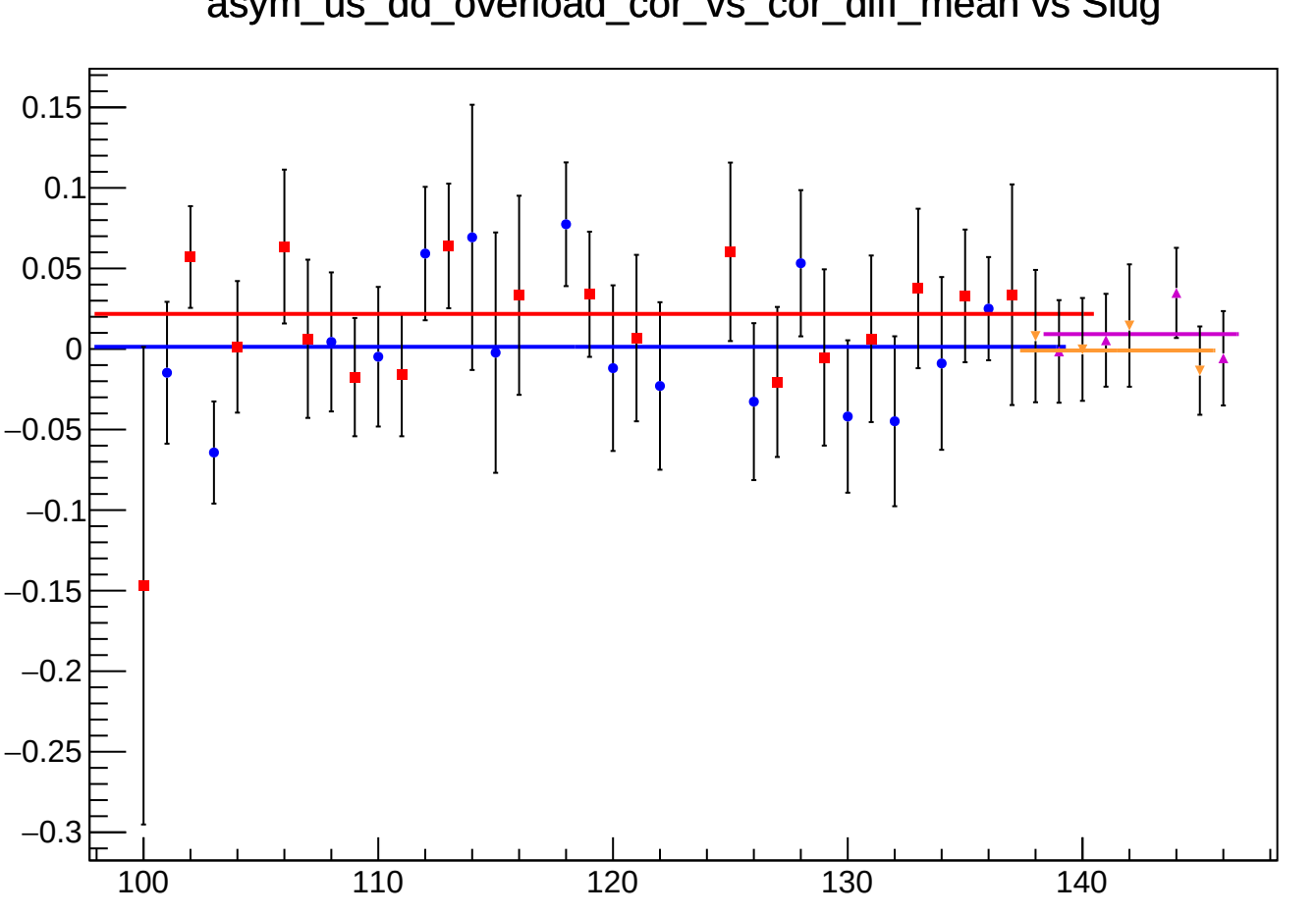
Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.3/19

All: -0.000+/-0.000 χ^2/NDF: 36.2/41

- sign -0.000+/-0.000 χ^2/NDF: 16.4/21


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:249561.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:555039.2/3
+ sign 0.000+/-0.000 χ²/NDF: 4971376.5/19
All: 0.000+/-0.000 χ²/NDF: 9806471.6/41
- sign 0.000+/-0.000 χ²/NDF: 4243767.7/21



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

Left Out: -0.001+/-0.017 χ^2/NDF:0.4/3

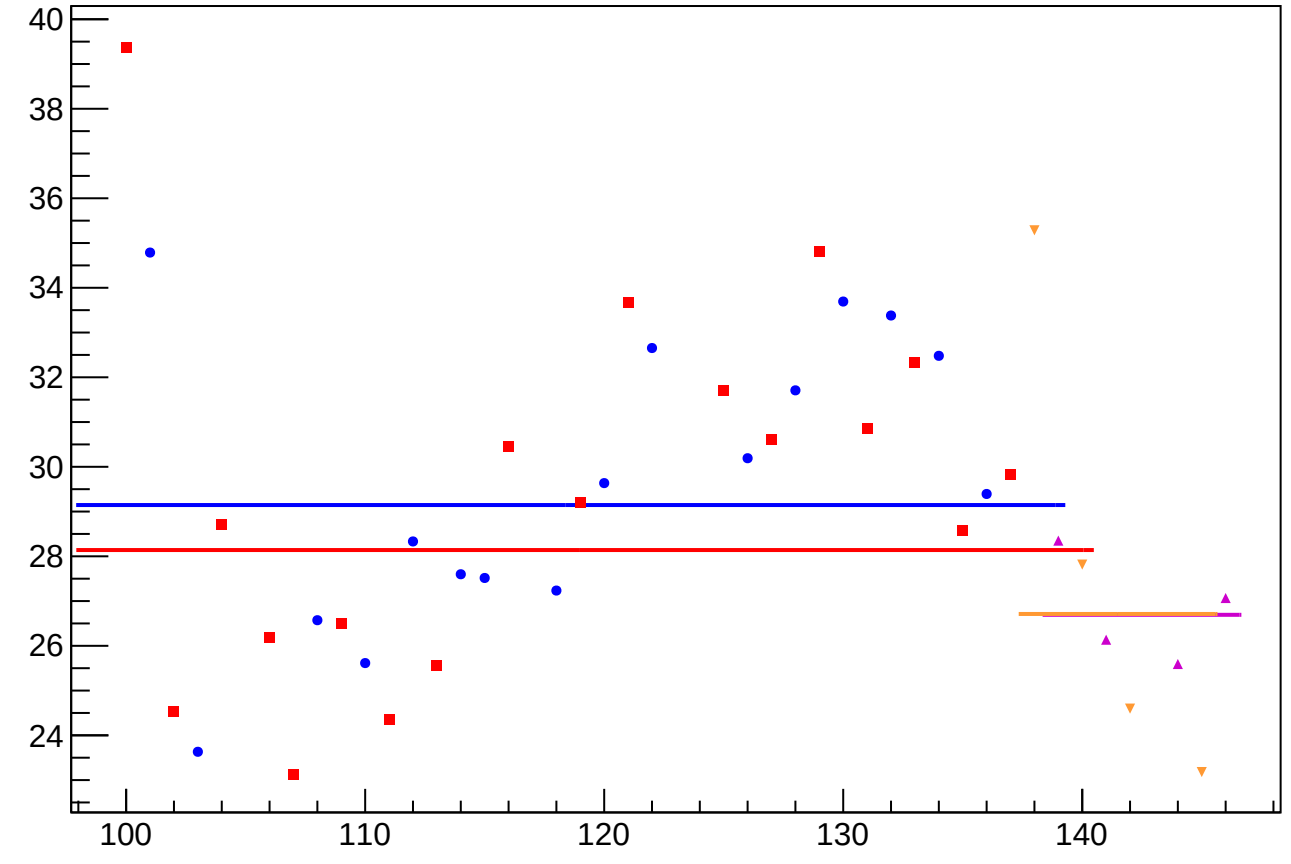
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.009+/-0.015 χ^2/NDF:1.2/3

+ sign 0.001+/-0.009 χ^2/NDF: 15.7/19

All: 0.010+/-0.006 χ^2/NDF: 28.2/41

- sign 0.017+/-0.009 χ^2/NDF: 10.7/21



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

Left Out: 26.712+/-0.012 χ^2/NDF:128919.5/3

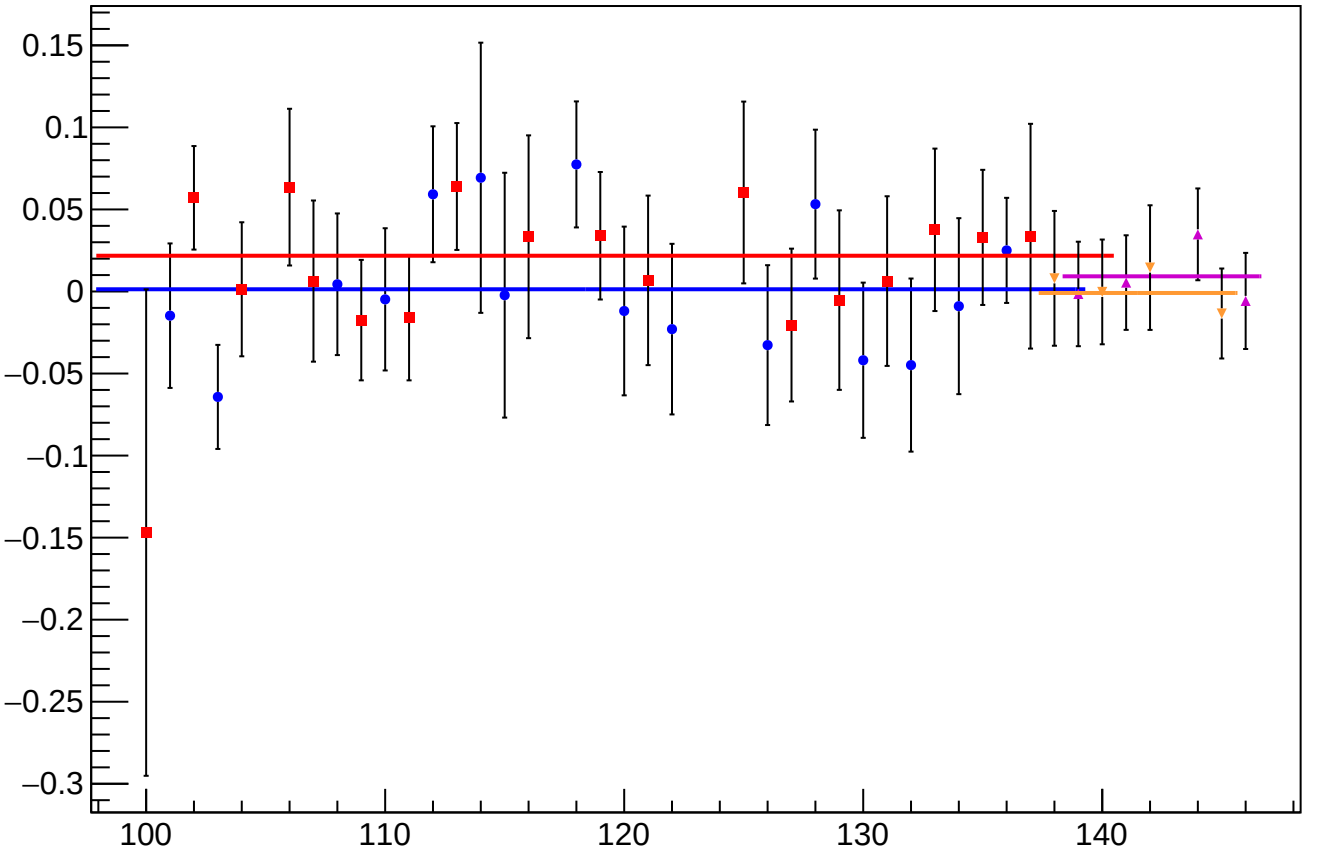
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.693+/-0.010 χ^2/NDF:9580.1/3

+ sign 28.388+/-0.007 χ^2/NDF: 335160.7/19

All: 27.985+/-0.004 χ^2/NDF: 551480.5/41

- sign 27.633+/-0.006 χ^2/NDF: 209304.1/21



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

Left Out: -0.001+/-0.017 χ^2/NDF:0.4/3

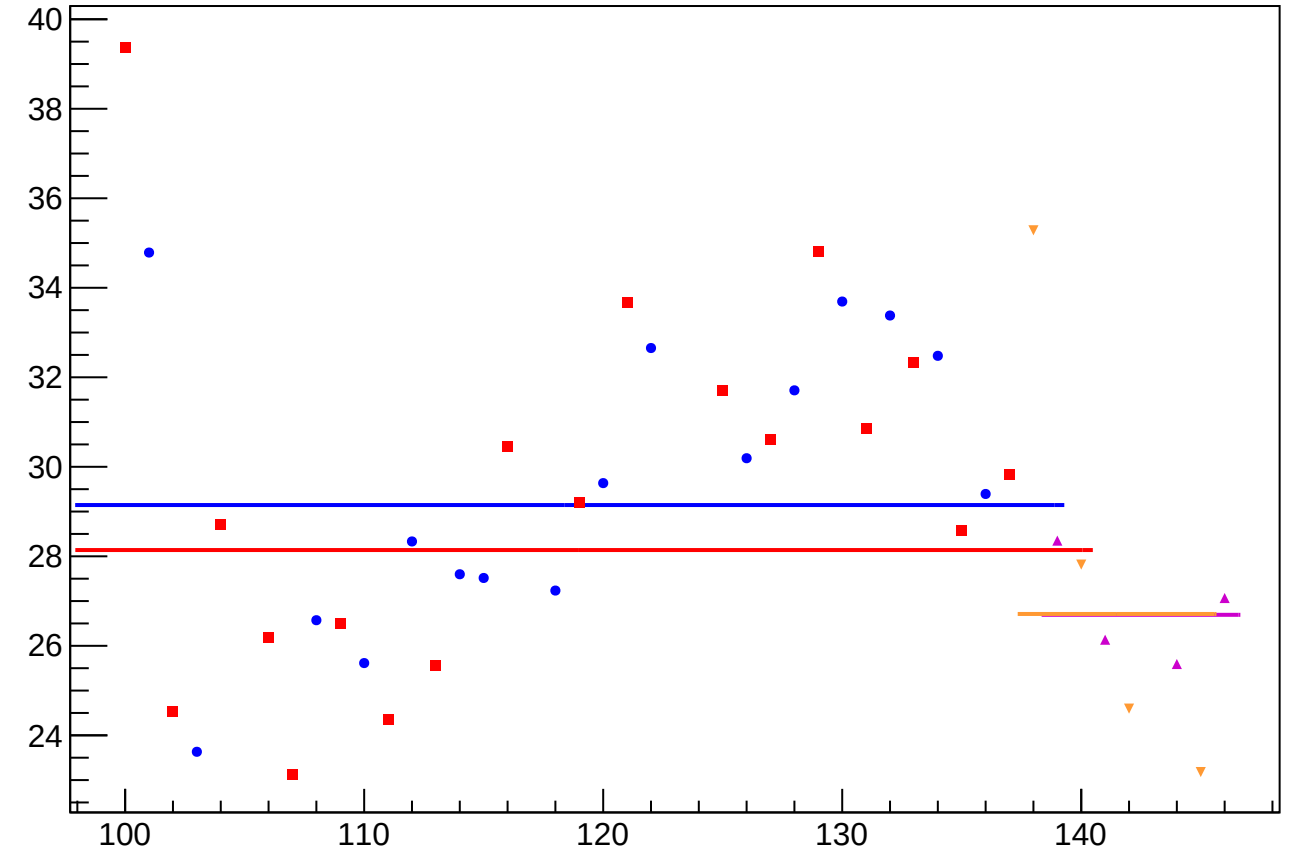
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.009+/-0.015 χ^2/NDF:1.2/3

+ sign 0.001+/-0.009 χ^2/NDF: 15.7/19

All: 0.010+/-0.006 χ^2/NDF: 28.2/41

- sign 0.017+/-0.009 χ^2/NDF: 10.7/21



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

Left Out: 26.712+/-0.012 χ^2/NDF:128919.5/3

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

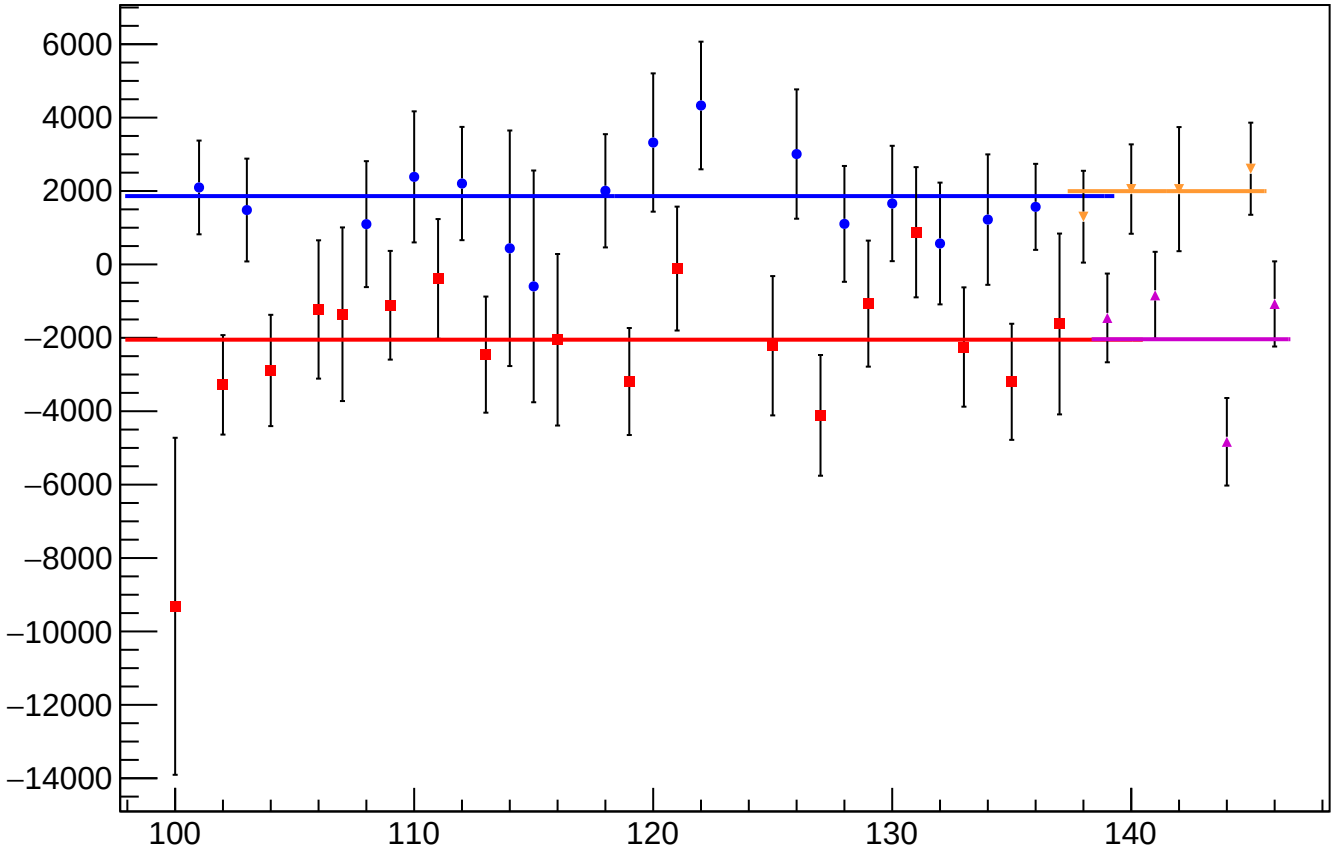
Left In: 26.693+/-0.010 χ^2/NDF:9580.1/3

+ sign 28.388+/-0.007 χ^2/NDF: 335160.7/19

All: 27.985+/-0.004 χ^2/NDF: 551480.5/41

- sign 27.633+/-0.006 χ^2/NDF: 209304.1/21

reg_asym_usl_mean vs Slug



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

Left Out: 1996.320+/-659.700 χ^2/NDF:0.6/3

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

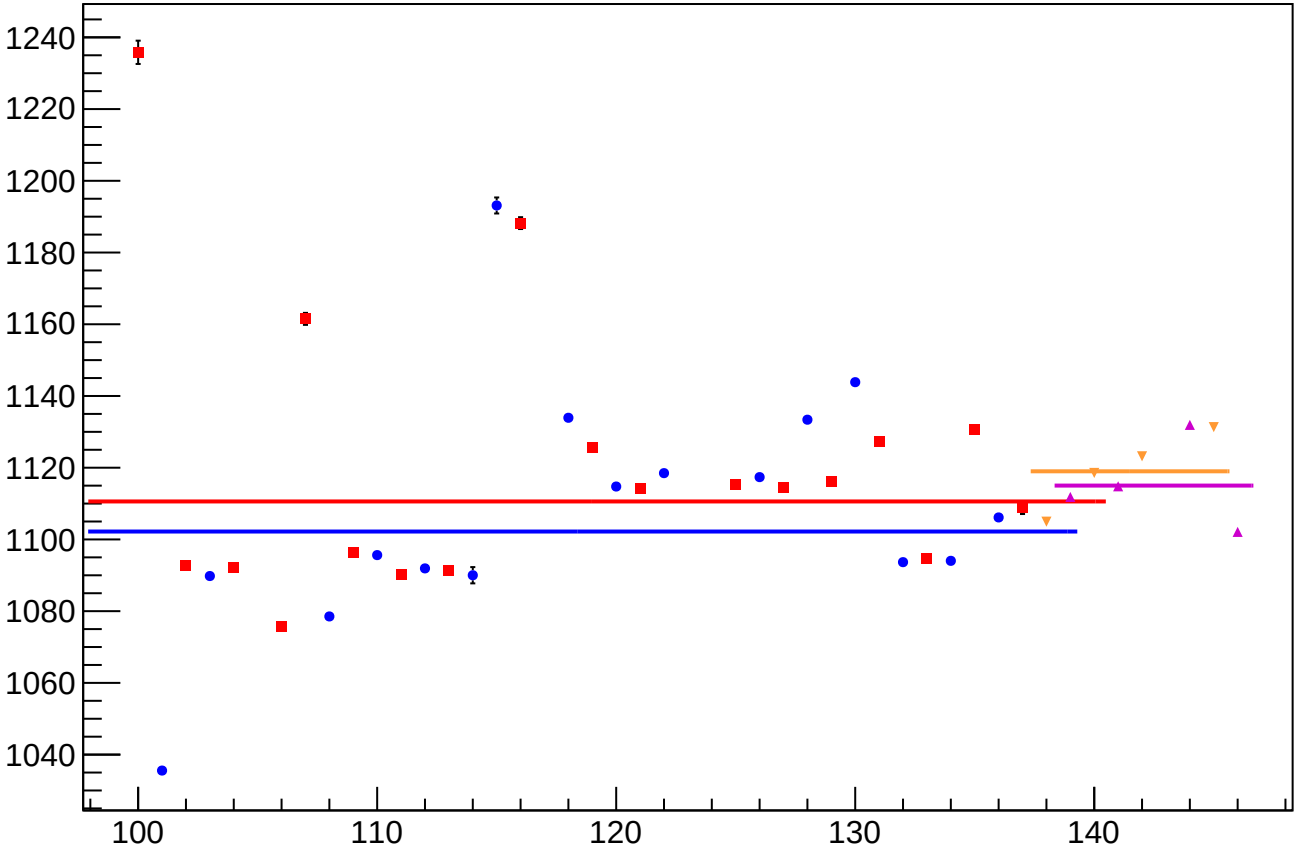
Left In: -2038.301+/-593.176 χ^2/NDF:7.4/3

+ sign 1899.020+/-347.935 χ^2/NDF: 5.9/19

All: -137.709+/-242.015 χ^2/NDF: 92.3/41

- sign -2046.797+/-336.856 χ^2/NDF: 20.0/21

reg_asym_usl_rms vs Slug



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

Left Out: 1118.997+/-0.466 χ^2/NDF:457.3/3

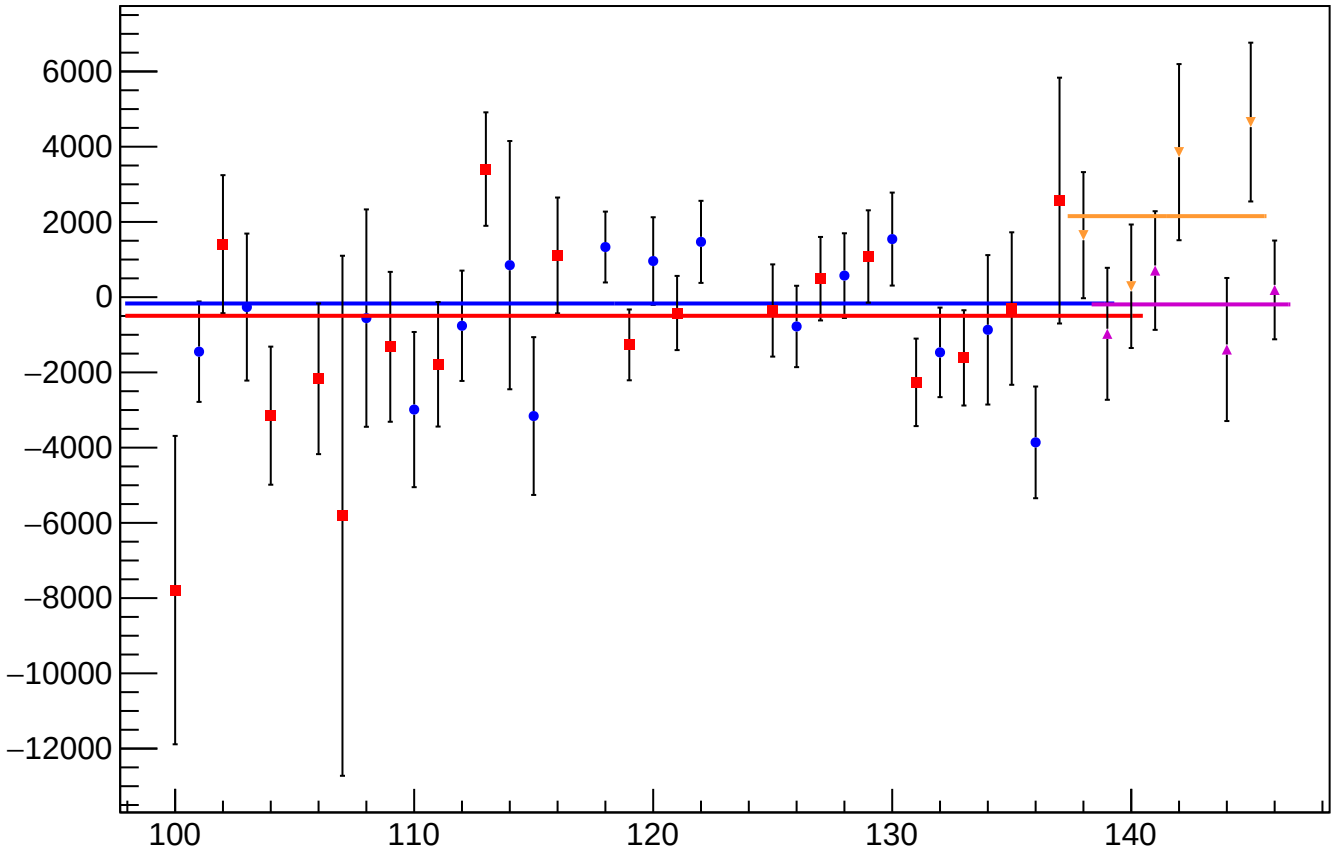
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

+ sign 1106.876+/-0.246 χ^2/NDF: 12741.5/19

All: 1109.530+/-0.171 χ^2/NDF: 21402.6/41

- sign 1112.018+/-0.238 χ^2/NDF: 8435.6/21



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

Left Out: 2154.019+/-939.118 χ^2/NDF:3.3/3

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

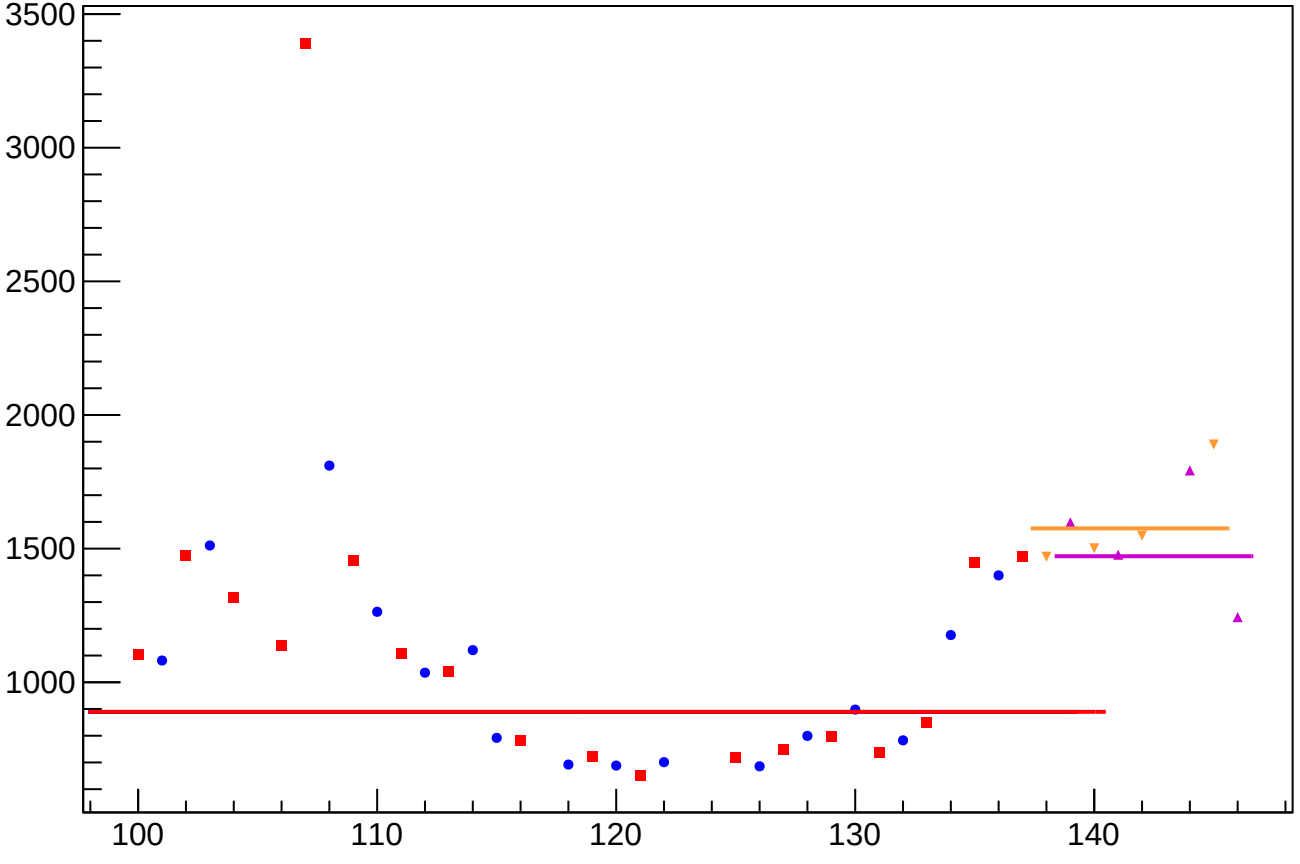
Left In: -192.383+/-794.553 χ^2/NDF:1.0/3

+ sign 108.829+/-324.204 χ^2/NDF: 29.7/19

All: -175.836+/-226.473 χ^2/NDF: 55.6/41

- sign -447.129+/-316.498 χ^2/NDF: 24.4/21

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1575.784+/-0.664 χ^2/NDF:56626.3/3

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

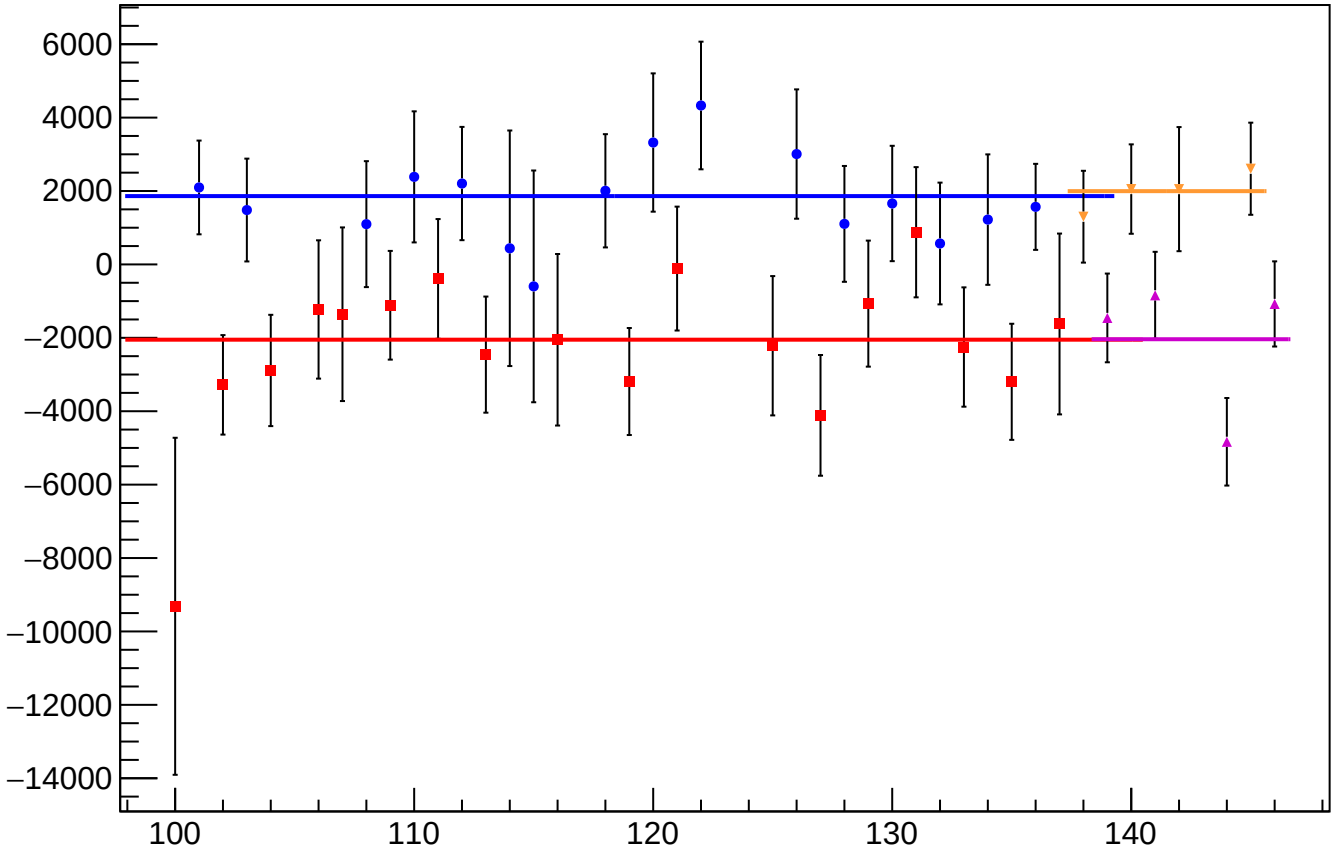
Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

+ sign 970.811+/-0.229 χ^2/NDF: 2131657.0/19

All: 976.455+/-0.160 χ^2/NDF: 4509334.9/41

- sign 981.835+/-0.224 χ^2/NDF: 2376493.8/21

cor_asym_usl_mean vs Slug



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

Left Out: 1996.320+/-659.700 χ^2/NDF:0.6/3

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

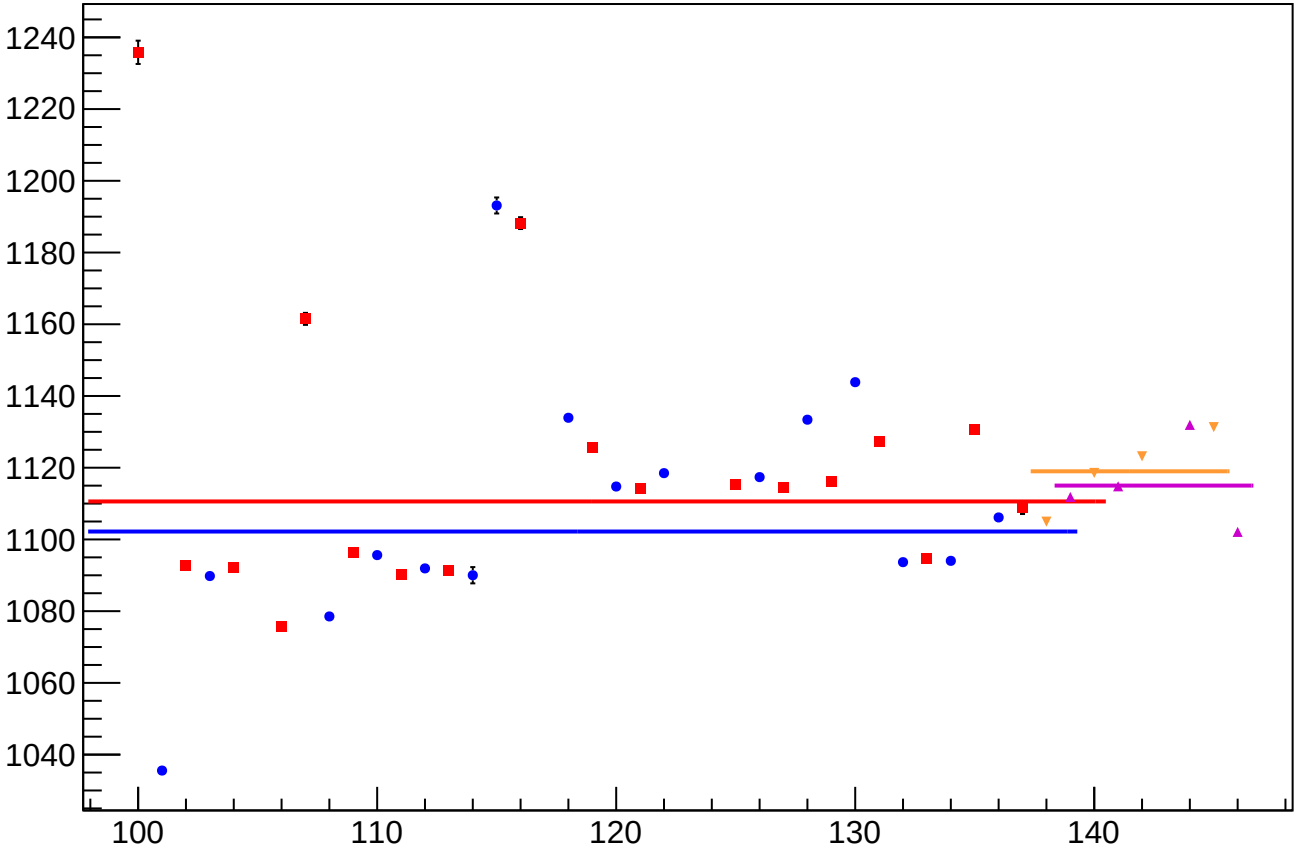
Left In: -2038.301+/-593.176 χ^2/NDF:7.4/3

+ sign 1899.020+/-347.935 χ^2/NDF: 5.9/19

All: -137.709+/-242.015 χ^2/NDF: 92.3/41

- sign -2046.797+/-336.856 χ^2/NDF: 20.0/21

cor_asym_usl_rms vs Slug



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

Left Out: 1118.997+/-0.466 χ^2/NDF:457.3/3

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

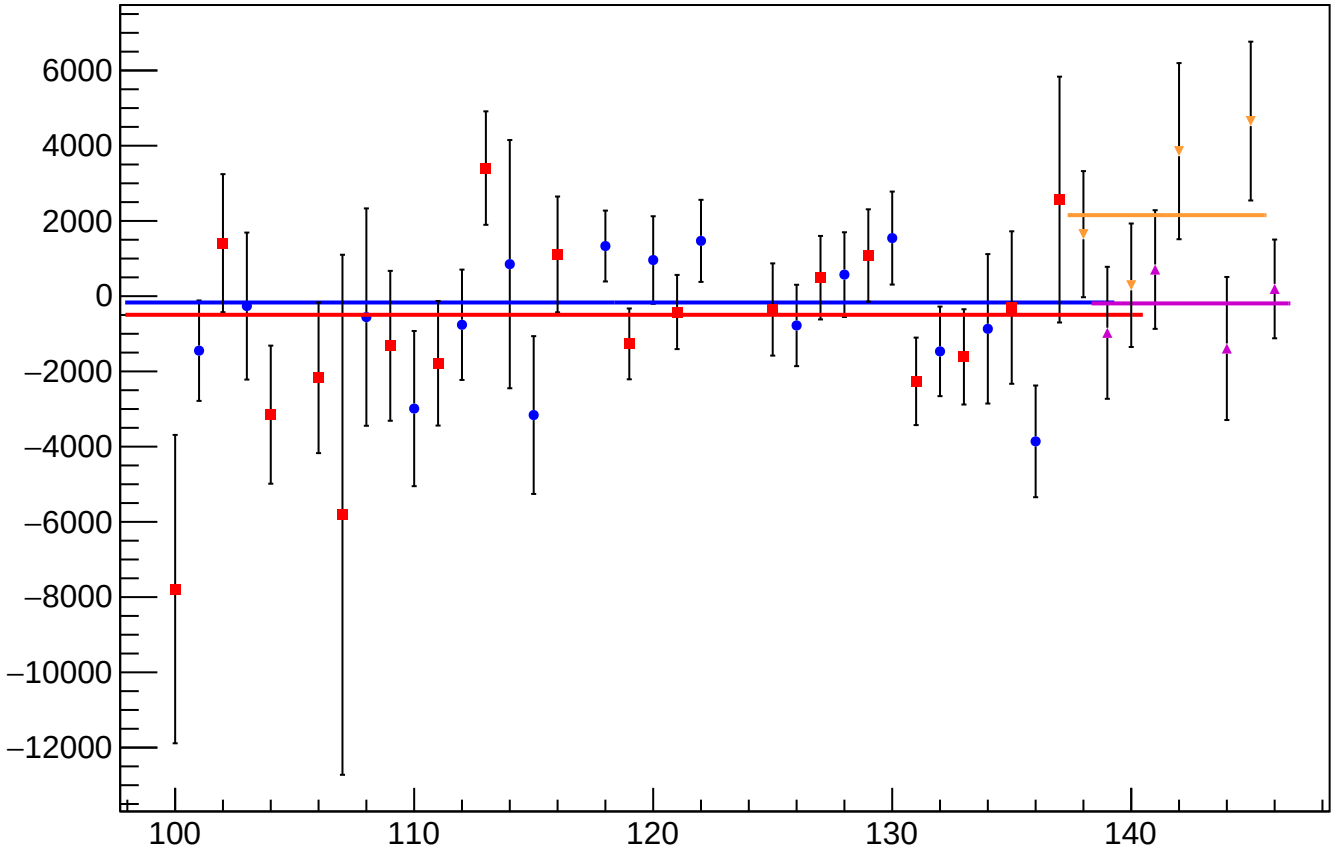
Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

+ sign 1106.876+/-0.246 χ^2/NDF: 12741.5/19

All: 1109.530+/-0.171 χ^2/NDF: 21402.6/41

- sign 1112.018+/-0.238 χ^2/NDF: 8435.6/21

asym_usl_cor_correction_mean vs Slug



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

Left Out: 2154.019+/-939.118 χ^2/NDF:3.3/3

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

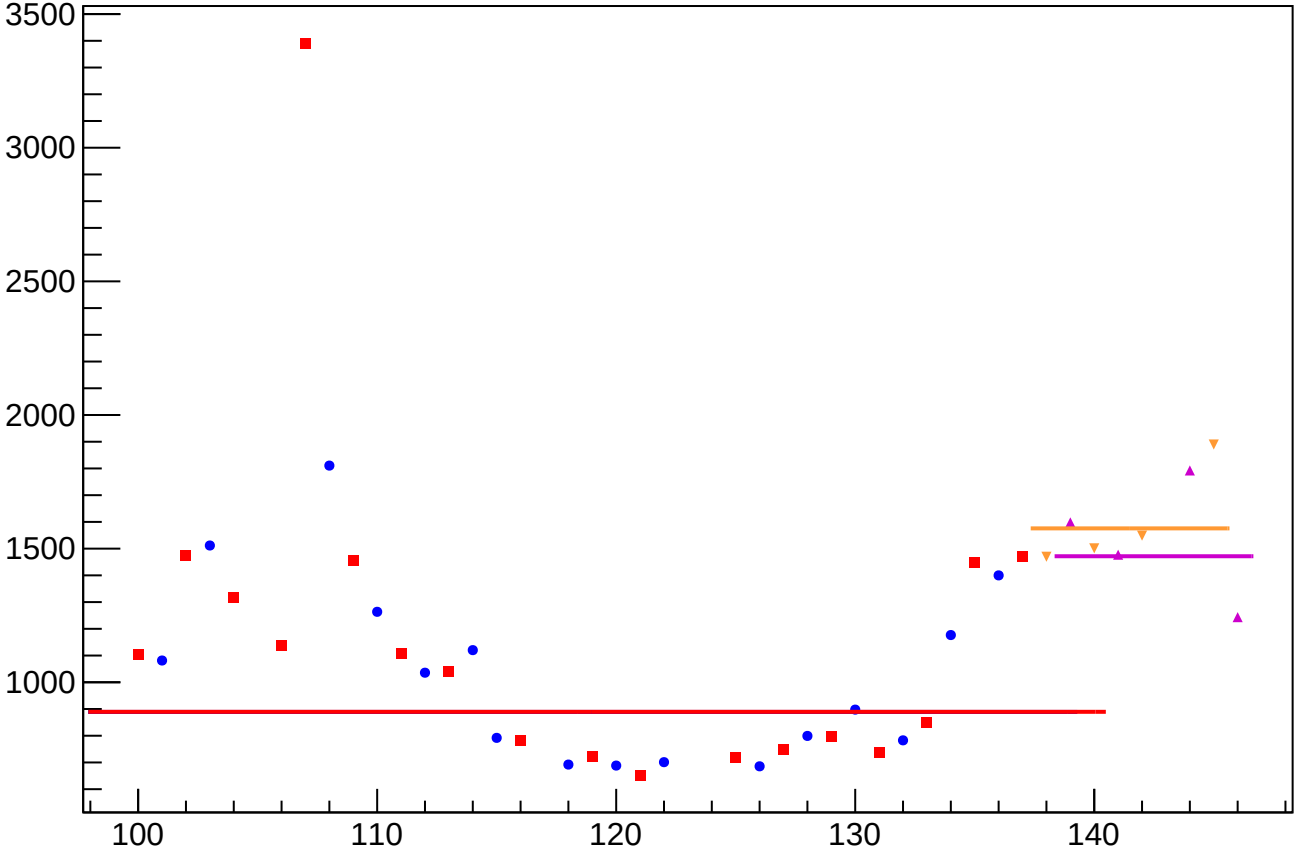
Left In: -192.383+/-794.553 χ^2/NDF:1.0/3

+ sign 108.829+/-324.204 χ^2/NDF: 29.7/19

All: -175.836+/-226.473 χ^2/NDF: 55.6/41

- sign -447.129+/-316.498 χ^2/NDF: 24.4/21

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1575.784+/-0.664 χ^2/NDF:56626.3/3

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

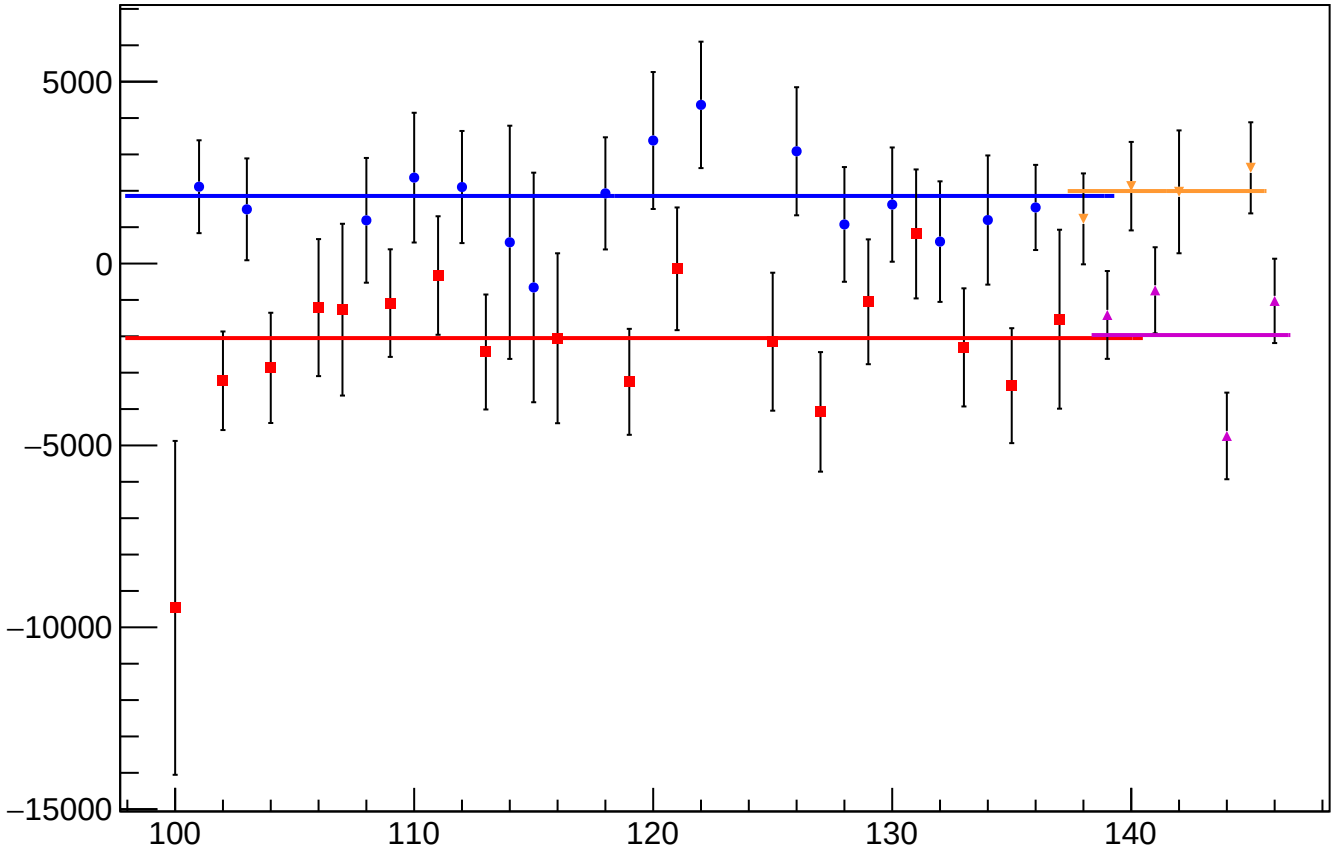
Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

+ sign 970.811+/-0.229 χ^2/NDF: 2131657.0/19

All: 976.455+/-0.160 χ^2/NDF: 4509334.9/41

- sign 981.835+/-0.224 χ^2/NDF: 2376493.8/21

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1993.363+/-658.753 χ^2/NDF:0.6/3

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

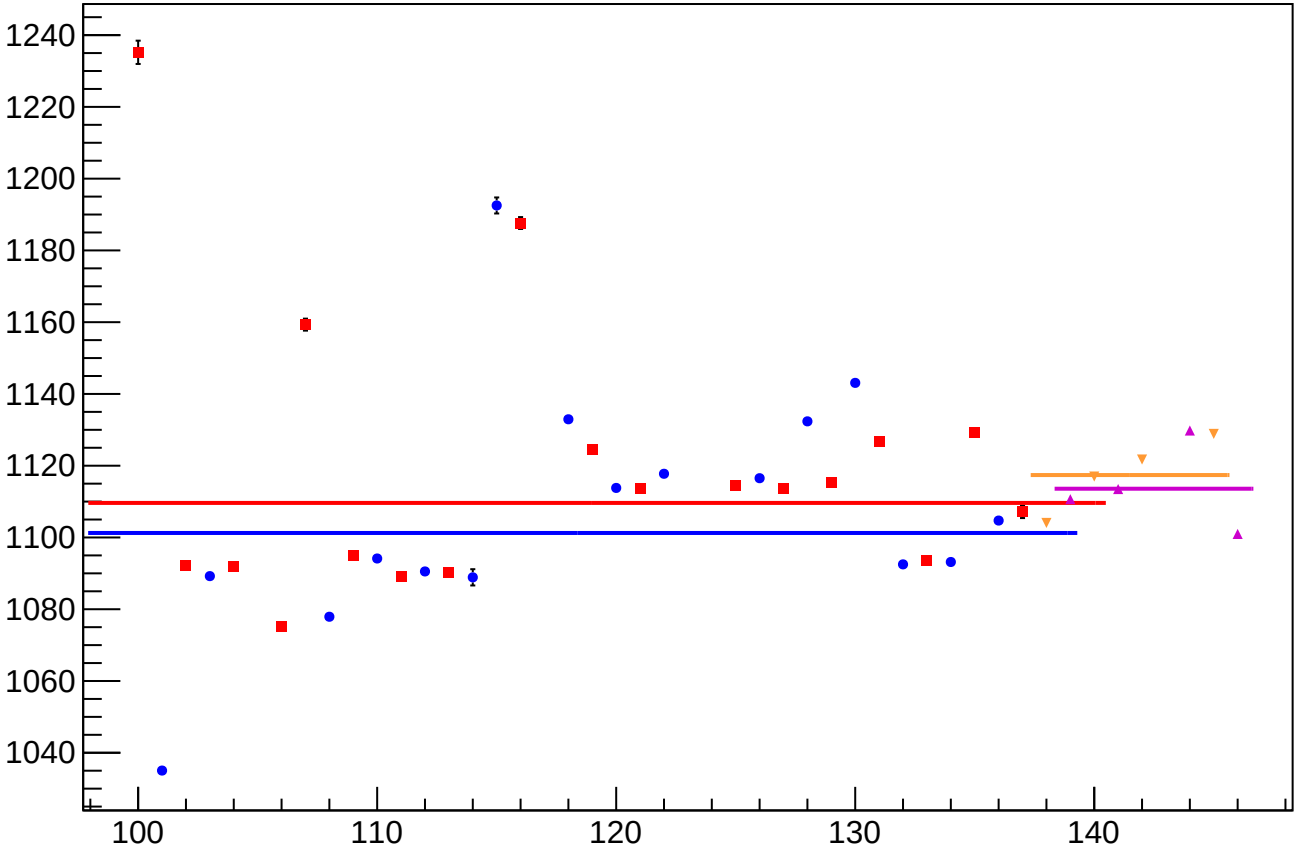
Left In: -1965.388+/-592.413 χ^2/NDF:7.4/3

+ sign 1896.177+/-347.579 χ^2/NDF: 6.1/19

All: -126.143+/-241.770 χ^2/NDF: 91.8/41

- sign -2021.800+/-336.518 χ^2/NDF: 20.1/21

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1117.397+/-0.466 χ^2/NDF:409.2/3

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

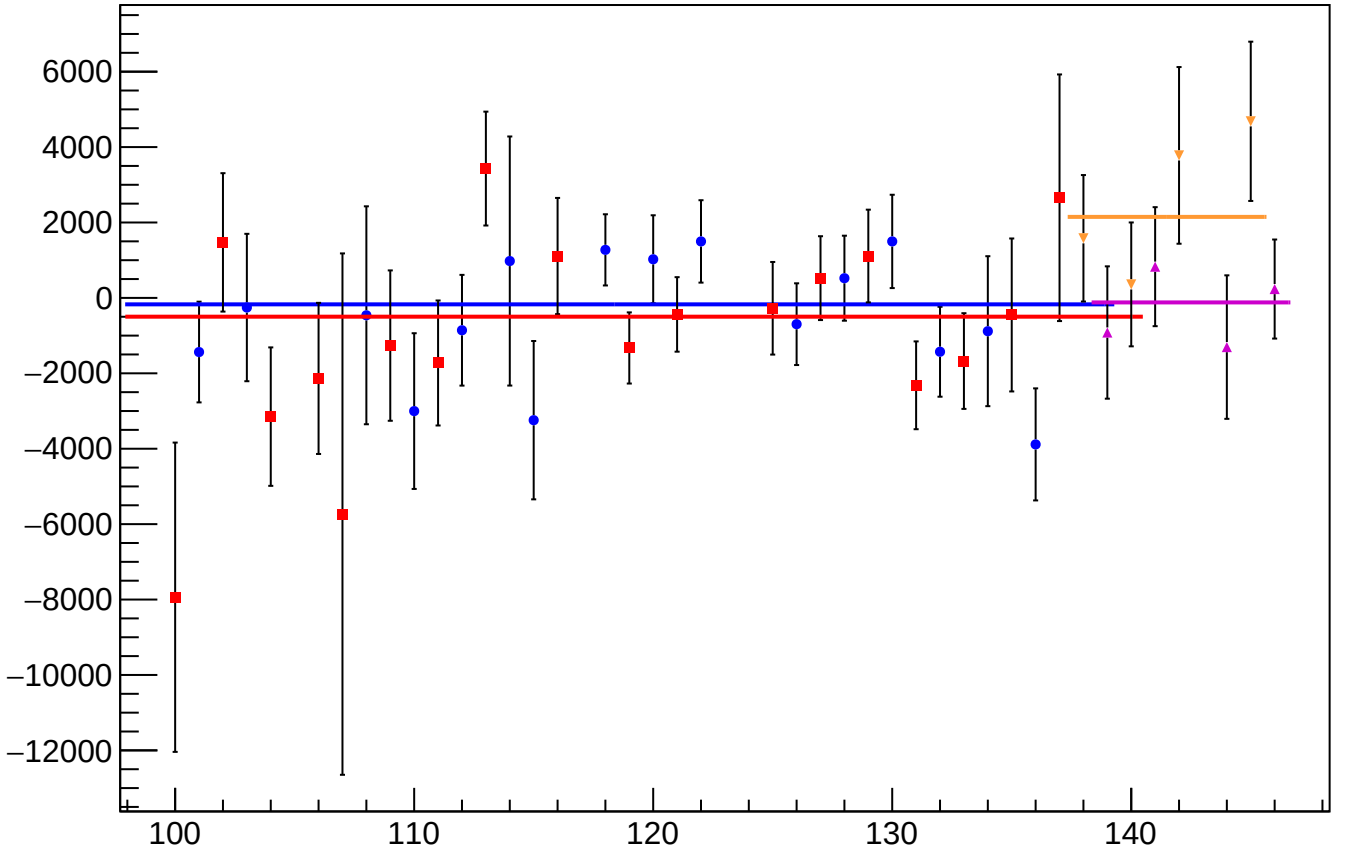
Left In: 1113.586+/-0.419 χ^2/NDF:619.1/3

+ sign 1105.748+/-0.246 χ^2/NDF: 12584.0/19

All: 1108.410+/-0.171 χ^2/NDF: 21163.9/41

- sign 1110.905+/-0.238 χ^2/NDF: 8352.6/21

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: 2148.747+/-939.742 χ^2/NDF:3.2/3

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

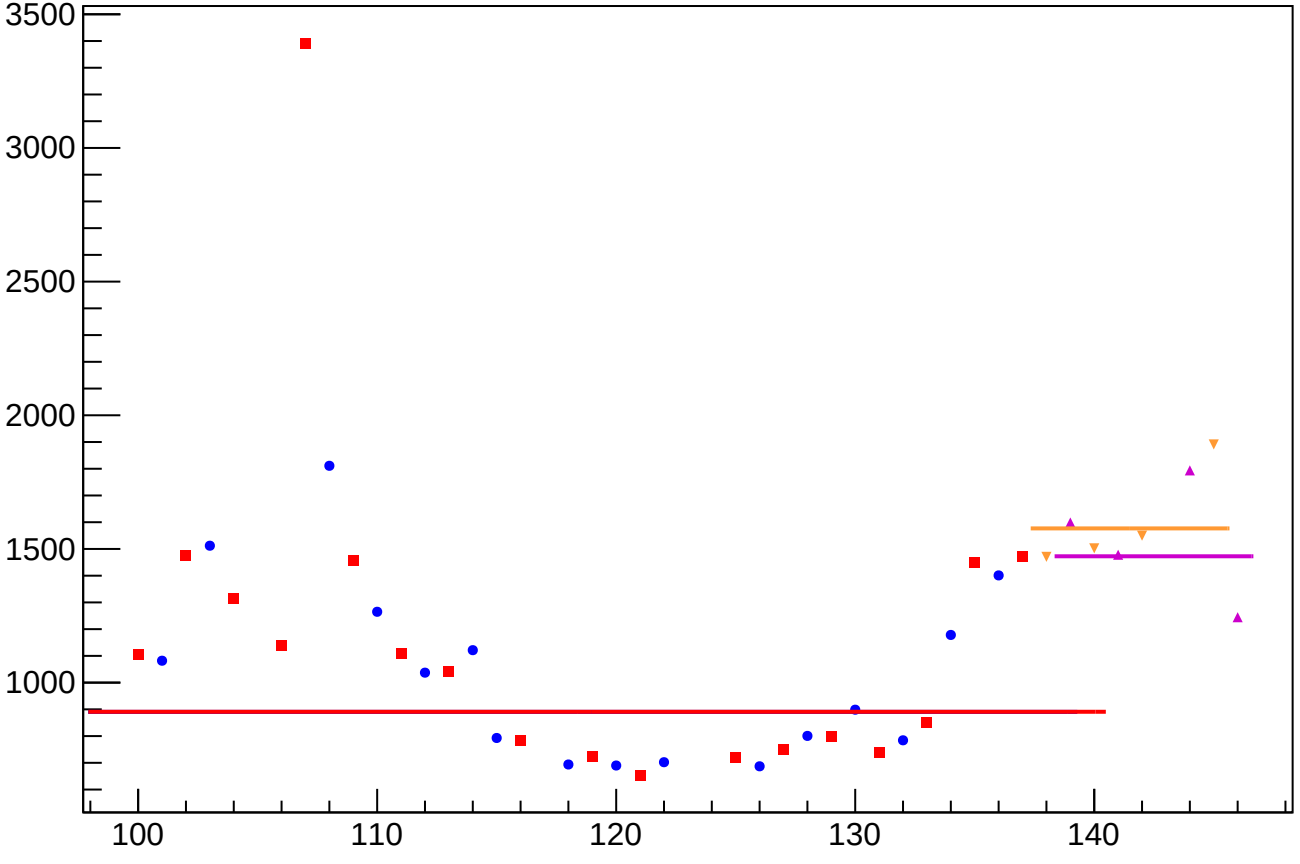
Left In: -119.811+/-795.099 χ^2/NDF:1.0/3

+ sign 105.961+/-324.675 χ^2/NDF: 29.5/19

All: -172.525+/-226.791 χ^2/NDF: 56.1/41

- sign -437.876+/-316.926 χ^2/NDF: 25.1/21

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1576.838+/-0.664 χ^2/NDF:56663.0/3

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

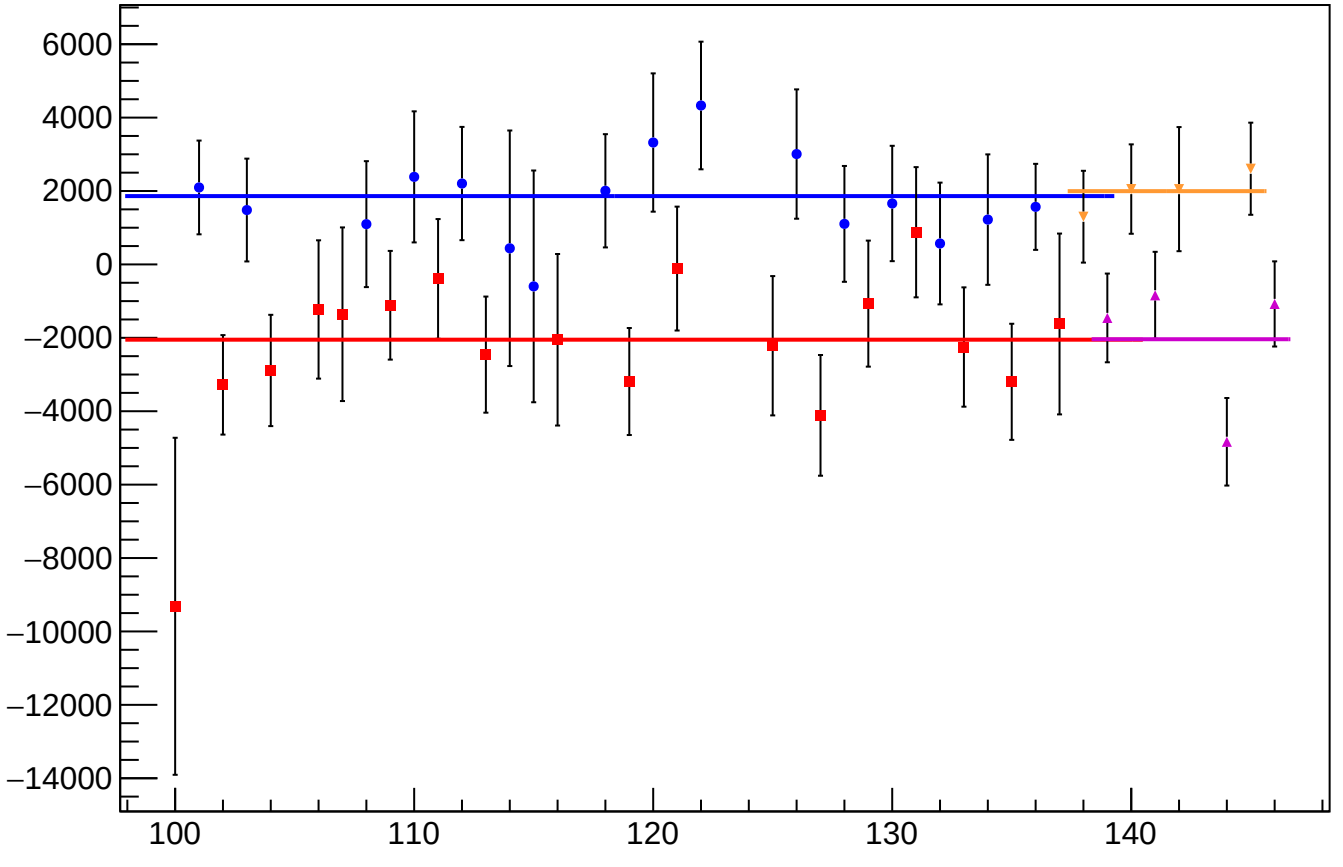
Left In: 1472.577+/-0.562 χ^2/NDF:127631.4/3

+ sign 972.421+/-0.230 χ^2/NDF: 2124890.6/19

All: 978.018+/-0.160 χ^2/NDF: 4495712.2/41

- sign 983.350+/-0.224 χ^2/NDF: 2369661.1/21

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1996.320+/-659.700 χ^2/NDF:0.6/3

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

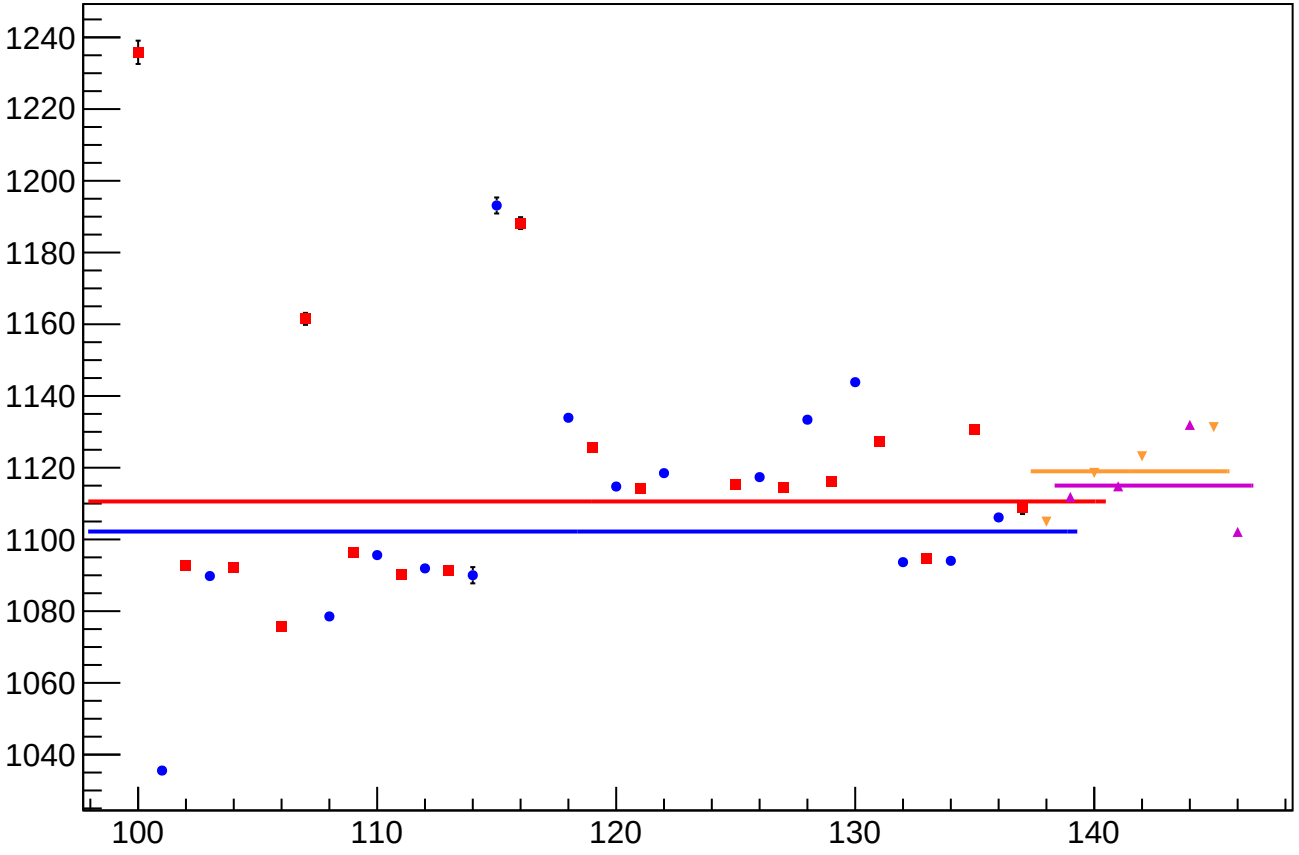
Left In: -2038.301+/-593.176 χ^2/NDF:7.4/3

+ sign 1899.020+/-347.935 χ^2/NDF: 5.9/19

All: -137.709+/-242.015 χ^2/NDF: 92.3/41

- sign -2046.797+/-336.856 χ^2/NDF: 20.0/21

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1118.997+/-0.466 χ^2/NDF:457.3/3

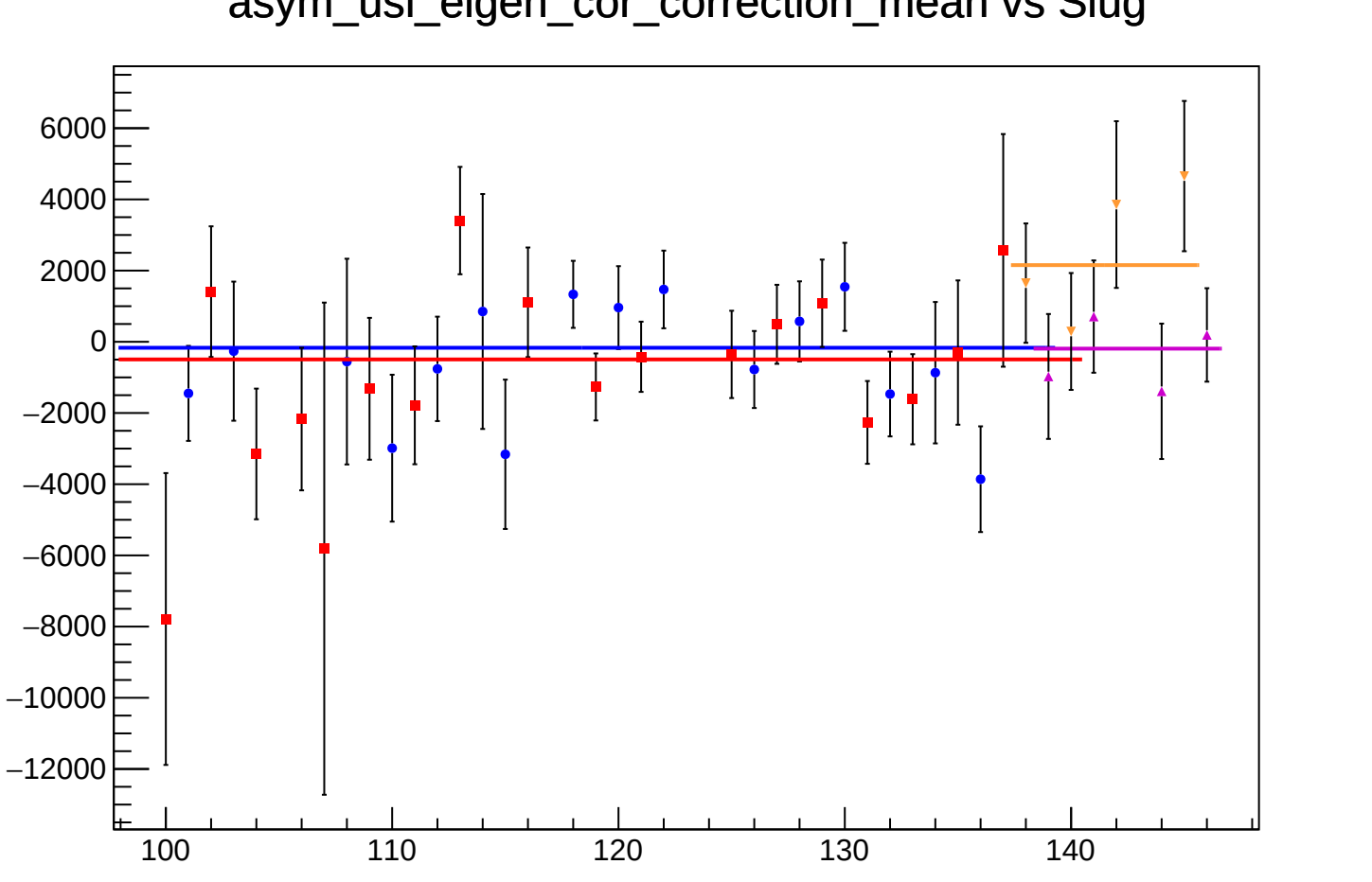
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

+ sign 1106.876+/-0.246 χ^2/NDF: 12741.5/19

All: 1109.530+/-0.171 χ^2/NDF: 21402.6/41

- sign 1112.018+/-0.238 χ^2/NDF: 8435.6/21



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

Left Out: 2154.019+/-939.118 χ^2/NDF:3.3/3

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

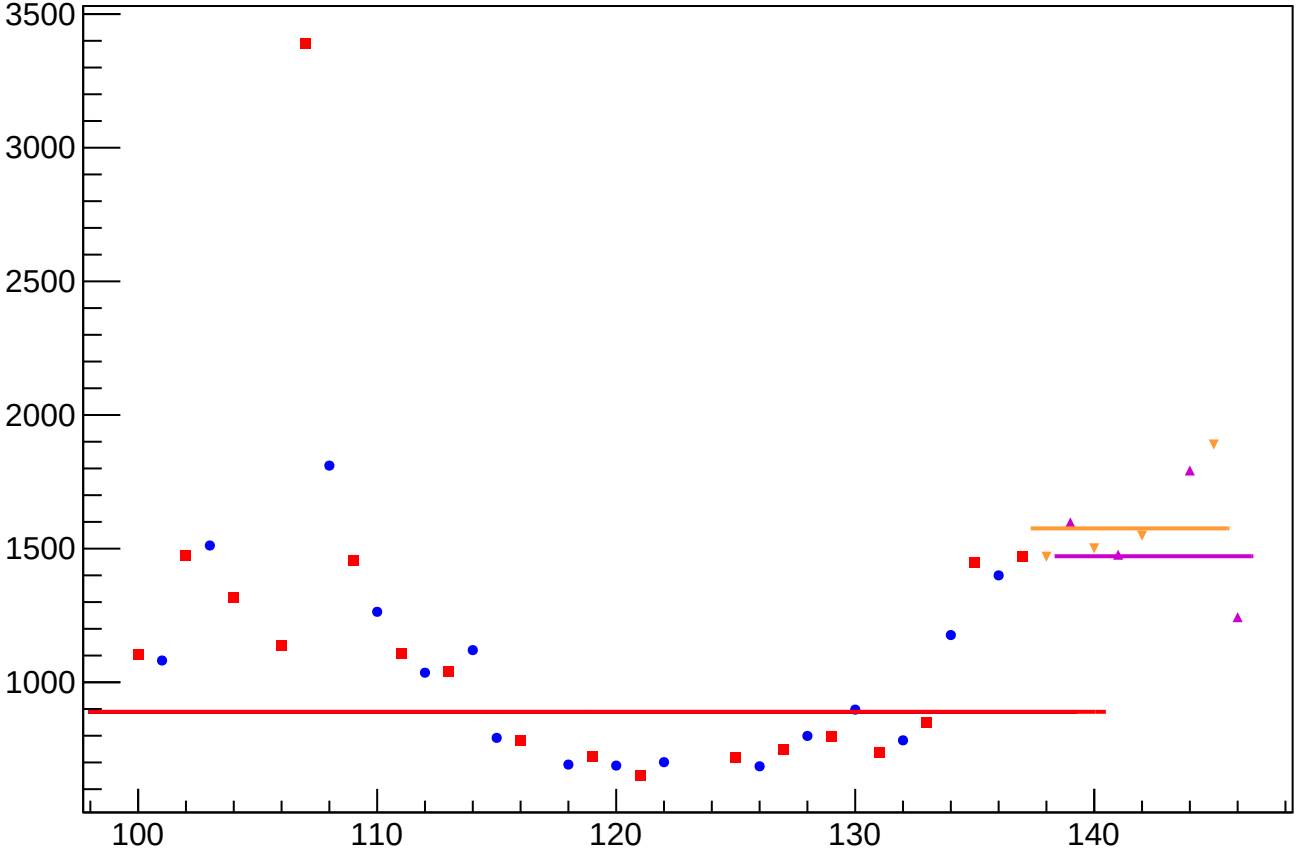
Left In: -192.383+/-794.553 χ^2/NDF:1.0/3

+ sign 108.829+/-324.204 χ^2/NDF: 29.7/19

All: -175.836+/-226.473 χ^2/NDF: 55.6/41

- sign -447.129+/-316.498 χ^2/NDF: 24.4/21

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1575.784+/-0.664 χ^2/NDF:56626.3/3

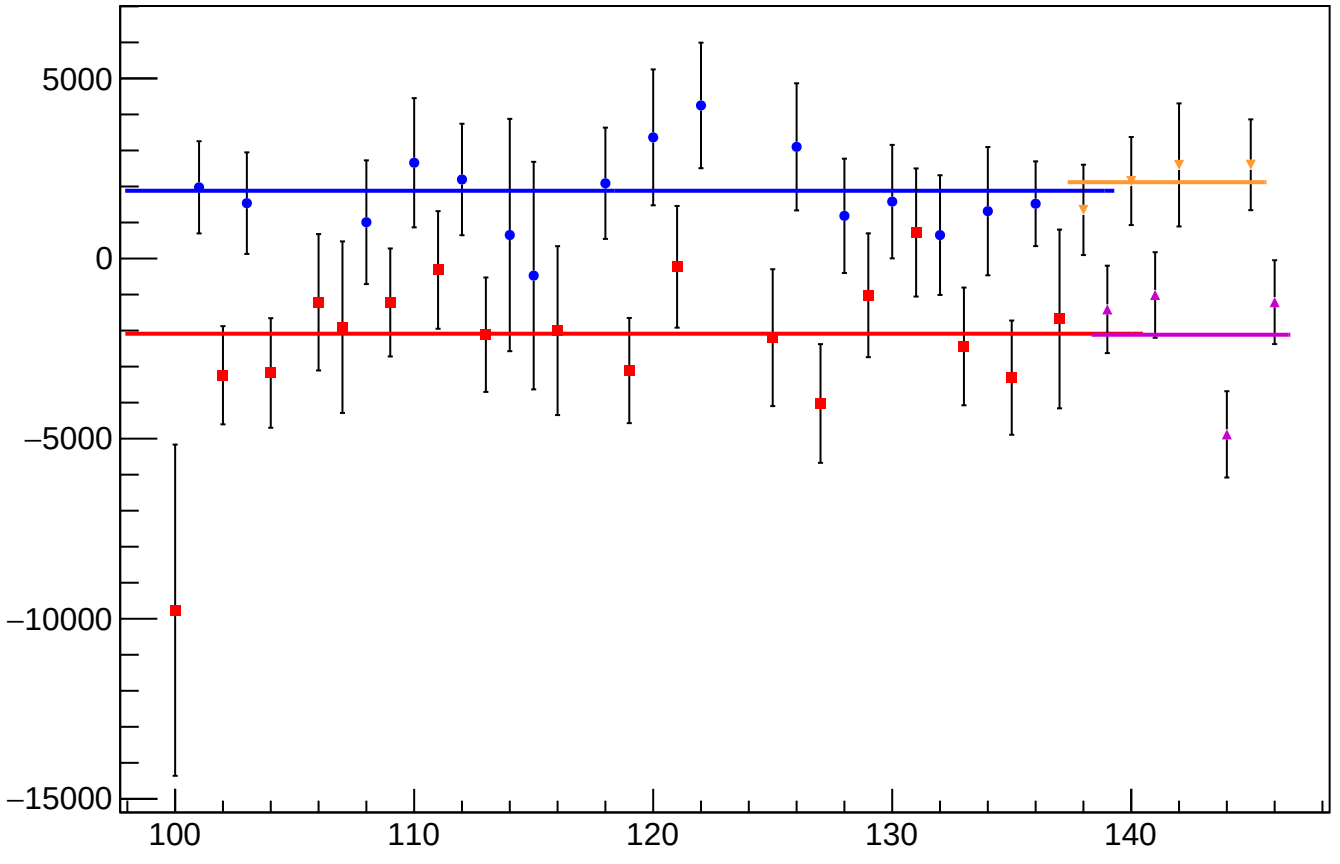
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

+ sign 970.811+/-0.229 χ^2/NDF: 2131657.0/19

All: 976.455+/-0.160 χ^2/NDF: 4509334.9/41

- sign 981.835+/-0.224 χ^2/NDF: 2376493.8/21



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

Left Out: 2119.724+/-662.564 χ^2/NDF:0.6/3

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

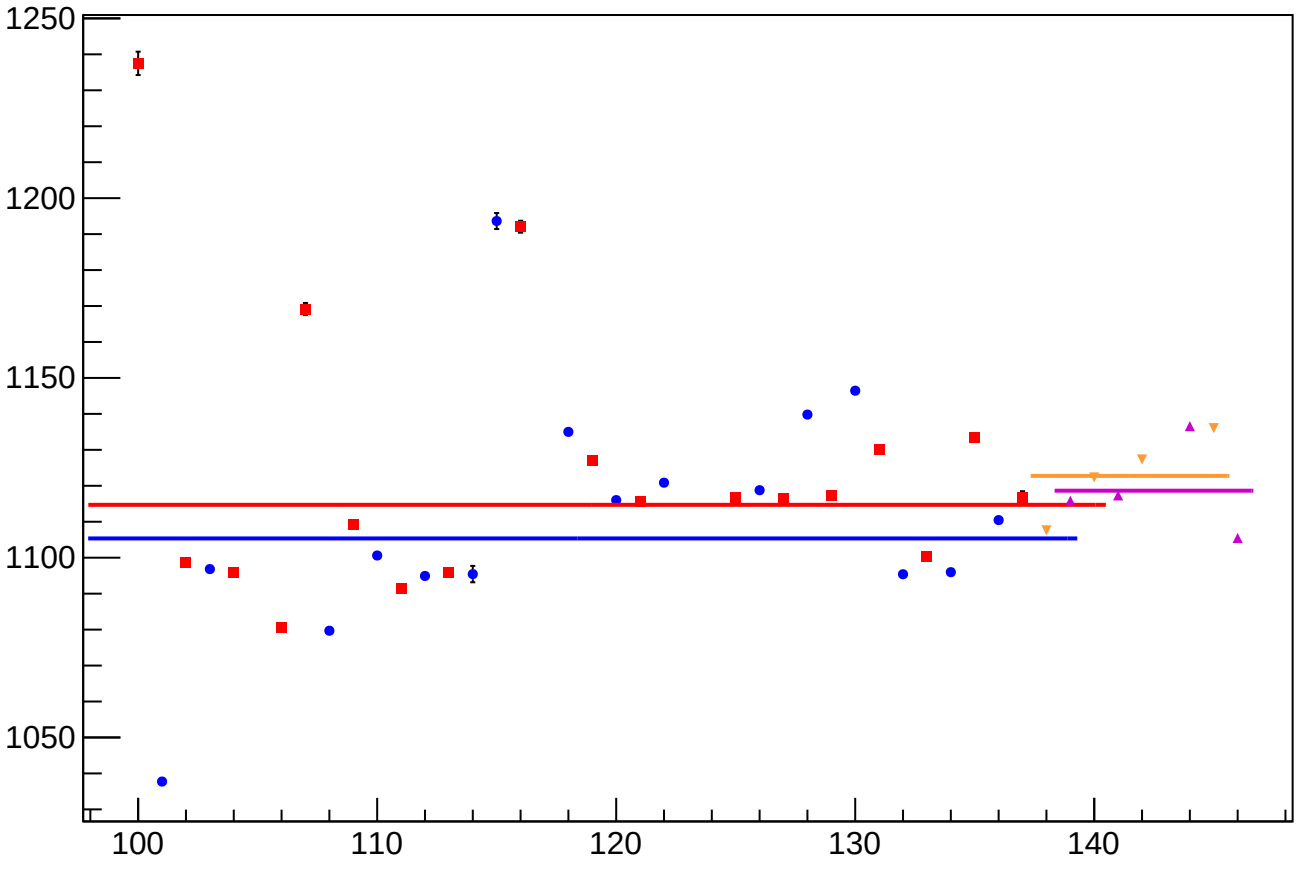
Left In: -2115.384+/-595.141 χ^2/NDF:7.1/3

+ sign 1947.643+/-349.076 χ^2/NDF: 5.9/19

All: -138.959+/-242.850 χ^2/NDF: 94.6/41

- sign -2096.082+/-338.072 χ^2/NDF: 19.5/21

dit_asym_usl_rms vs Slug



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

Left Out: 1122.755+/-0.469 χ^2/NDF:528.1/3

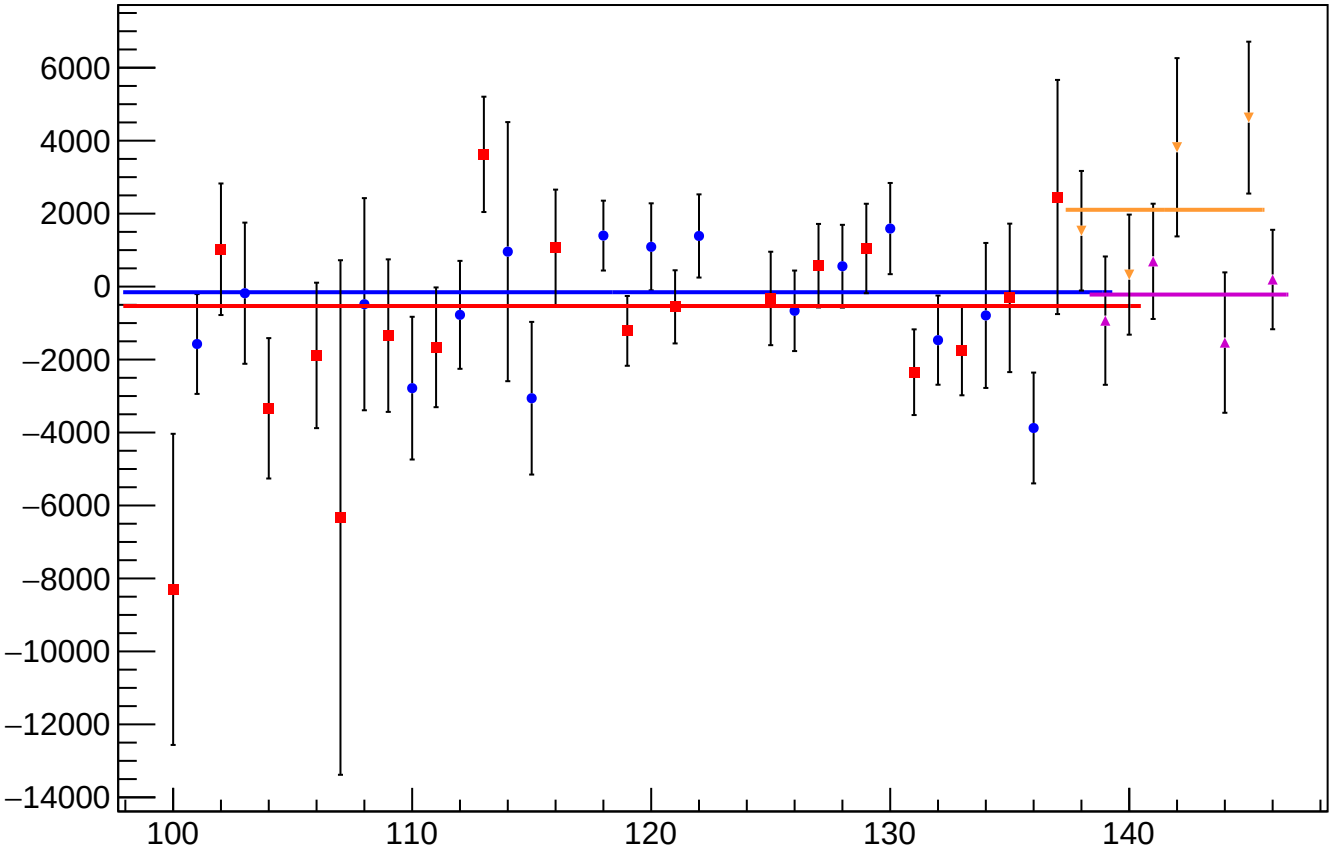
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1118.635+/-0.421 χ^2/NDF:717.5/3

+ sign 1110.185+/-0.247 χ^2/NDF: 12855.5/19

All: 1113.172+/-0.172 χ^2/NDF: 21246.1/41

- sign 1115.973+/-0.239 χ^2/NDF: 8106.9/21



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

Left Out: 2105.375+/-936.719 χ^2/NDF:3.3/3

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

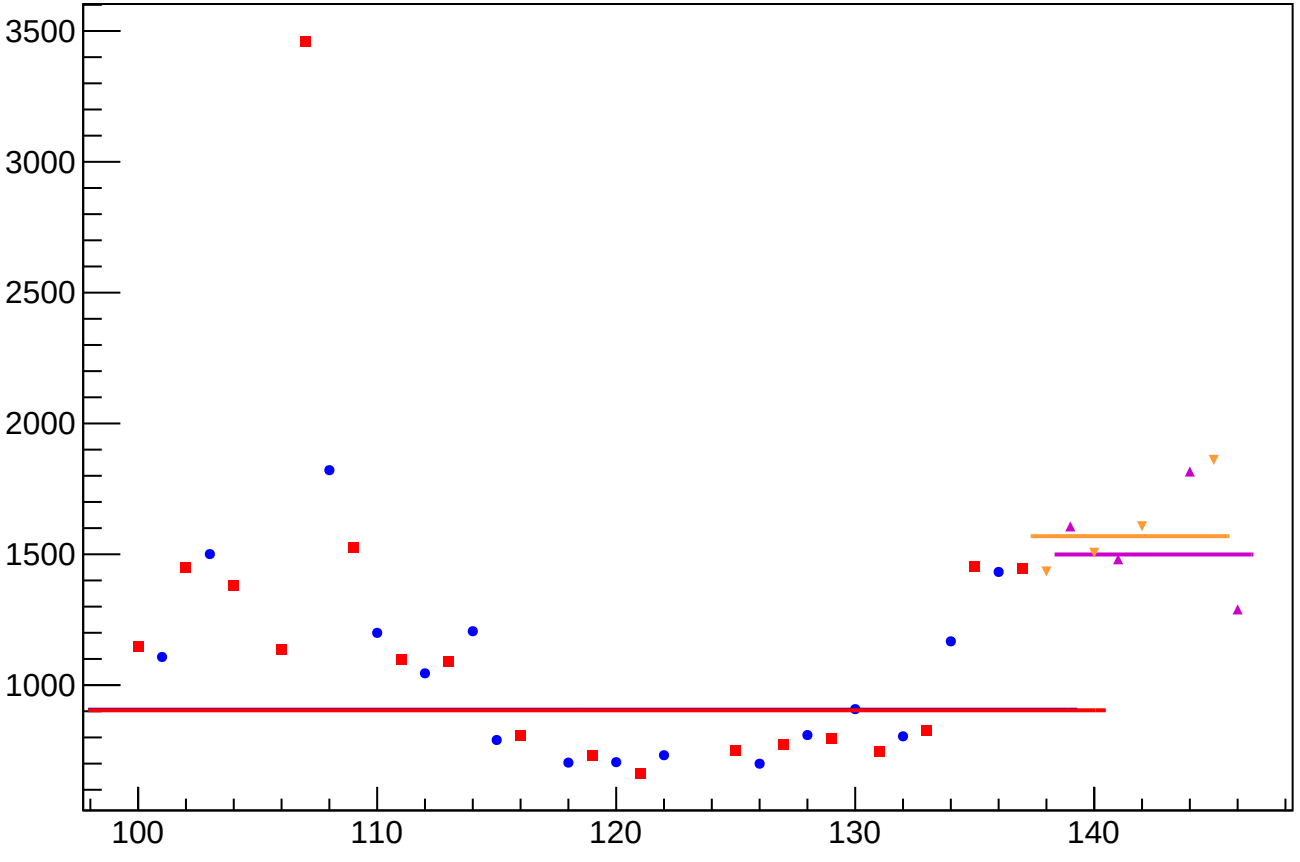
Left In: -218.129+/-807.823 χ^2/NDF:1.1/3

+ sign 124.620+/-328.943 χ^2/NDF: 28.8/19

All: -185.880+/-229.909 χ^2/NDF: 55.0/41

- sign -482.427+/-321.467 χ^2/NDF: 24.4/21

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1569.193+/-0.662 χ^2/NDF:56223.7/3

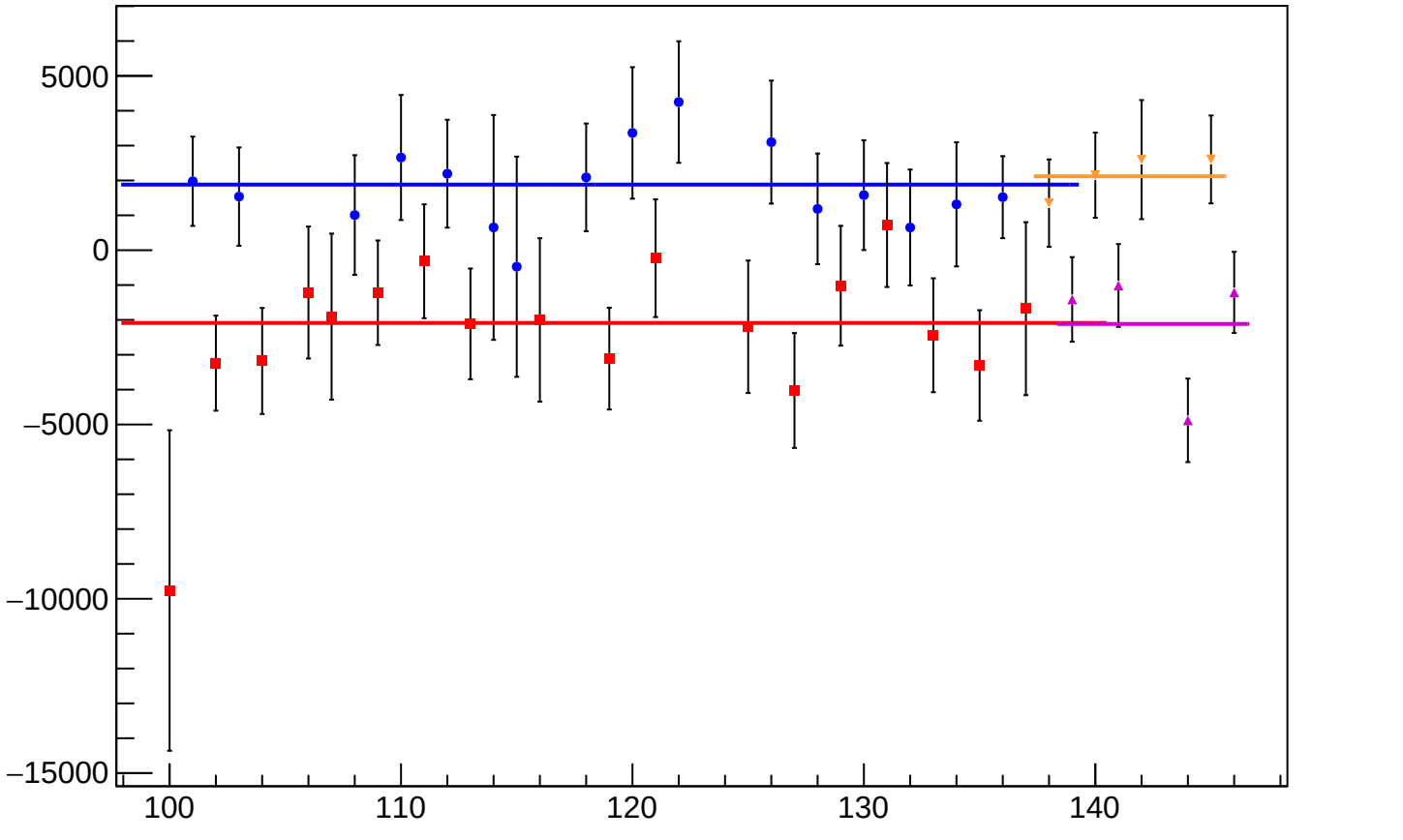
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1499.261+/-0.571 χ^2/NDF:109449.7/3

+ sign 987.814+/-0.233 χ^2/NDF: 2014452.5/19

All: 993.053+/-0.163 χ^2/NDF: 4379620.8/41

- sign 998.057+/-0.227 χ^2/NDF: 2364176.5/21



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

Left Out: 2119.728+/-662.564 χ^2/NDF:0.6/3

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

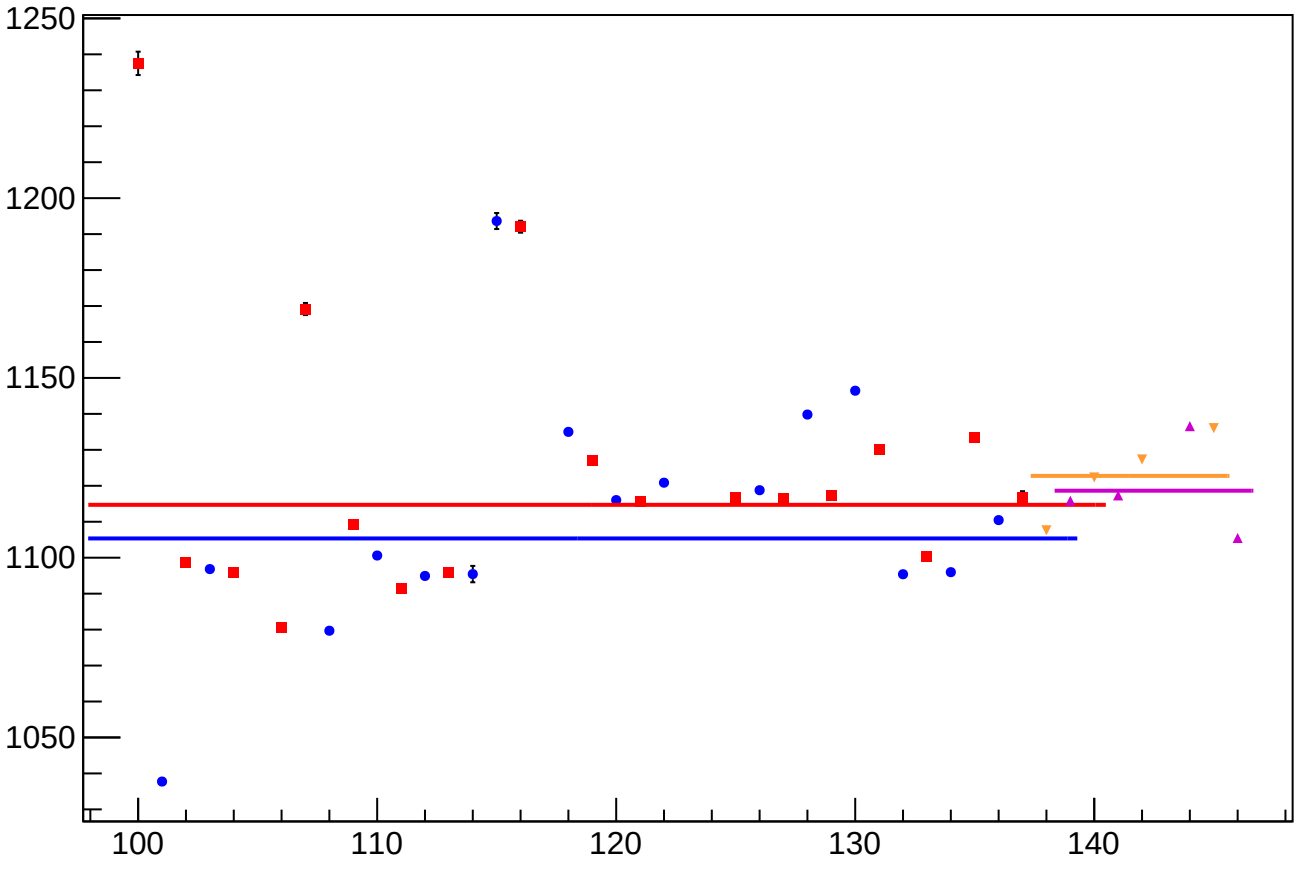
Left In: -2115.385+/-595.141 χ^2/NDF:7.1/3

+ sign 1947.644+/-349.076 χ^2/NDF: 5.9/19

All: -138.958+/-242.850 χ^2/NDF: 94.6/41

- sign -2096.081+/-338.072 χ^2/NDF: 19.5/21

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1122.755+/-0.469 χ^2/NDF:528.1/3

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

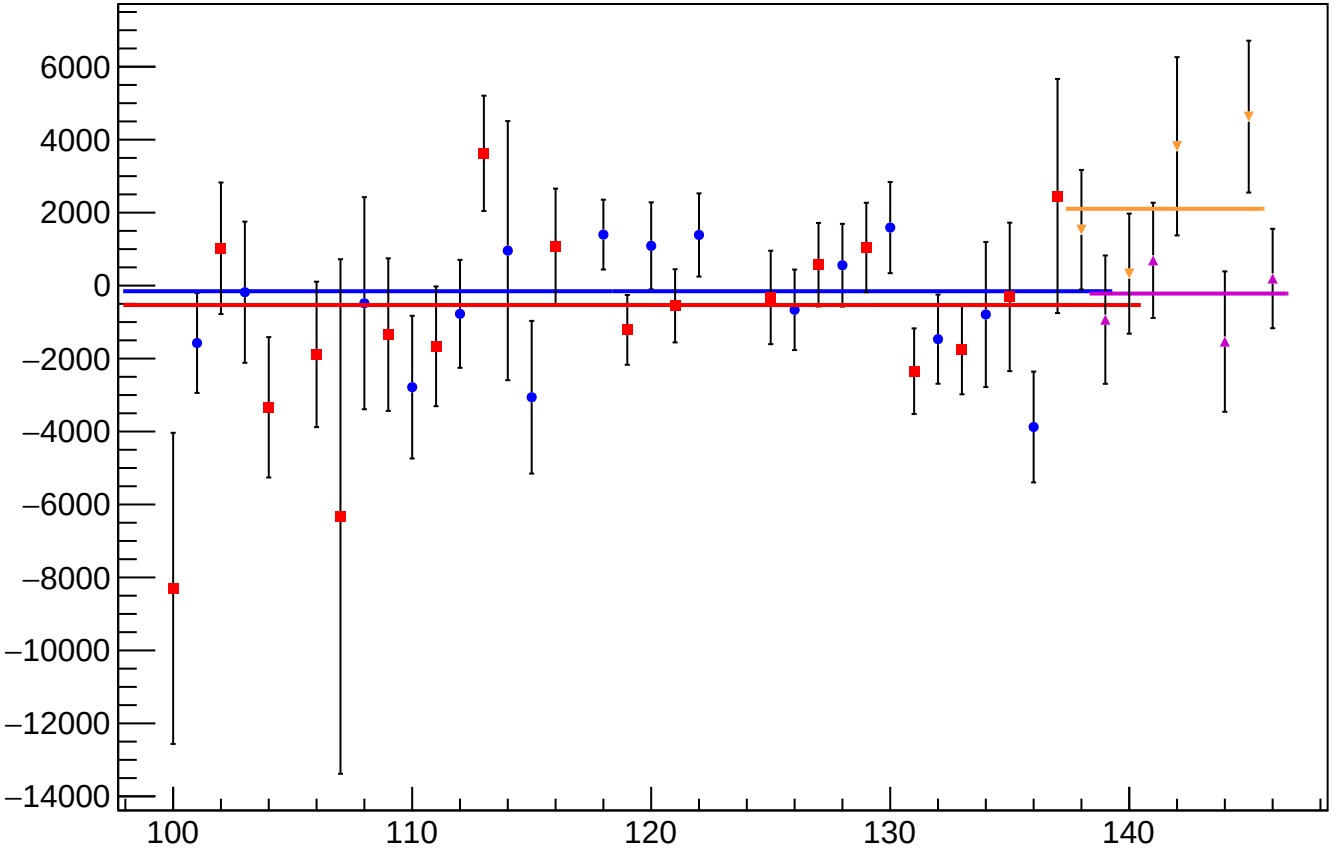
Left In: 1118.635+/-0.421 χ^2/NDF:717.5/3

+ sign 1110.185+/-0.247 χ^2/NDF: 12855.5/19

All: 1113.172+/-0.172 χ^2/NDF: 21246.0/41

- sign 1115.973+/-0.239 χ^2/NDF: 8106.8/21

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: 2105.379+/-936.721 χ^2/NDF:3.3/3

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

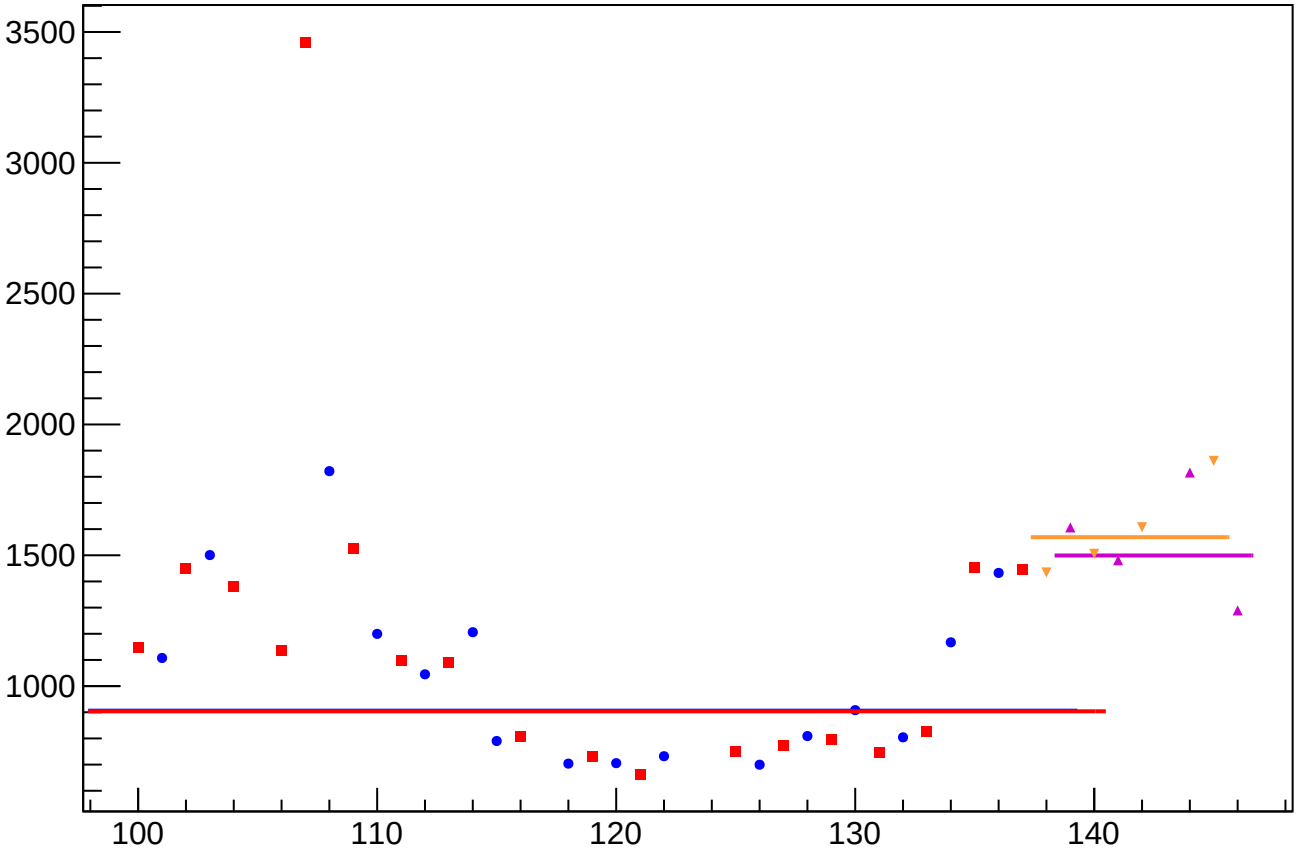
Left In: -218.130+/-807.824 χ^2/NDF:1.1/3

+ sign 124.621+/-328.943 χ^2/NDF: 28.8/19

All: -185.880+/-229.909 χ^2/NDF: 55.0/41

- sign -482.426+/-321.467 χ^2/NDF: 24.4/21

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1569.195+/-0.662 χ^2/NDF:56223.6/3

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

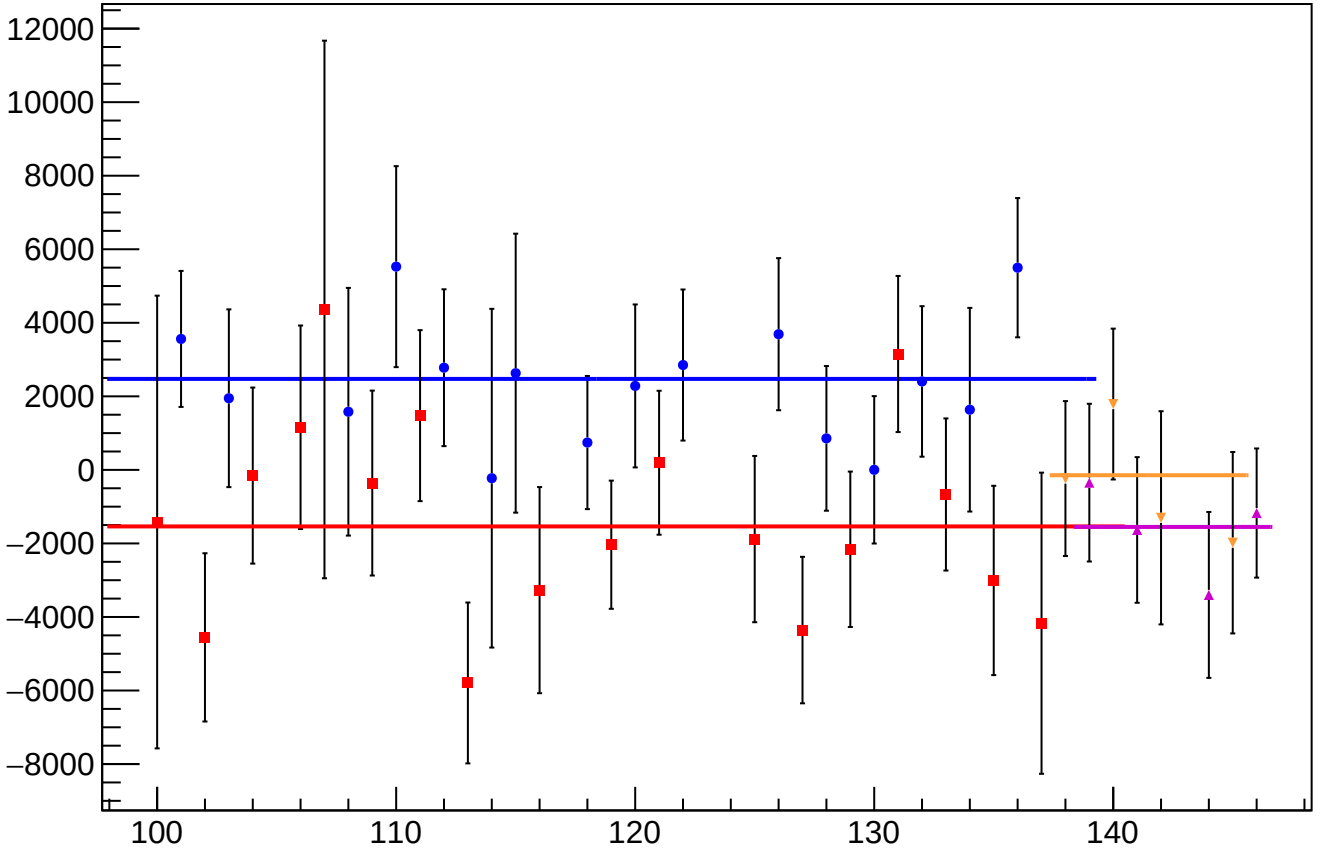
Left In: 1499.263+/-0.571 χ^2/NDF:109449.5/3

+ sign 987.813+/-0.233 χ^2/NDF: 2014466.2/19

All: 993.051+/-0.163 χ^2/NDF: 4379648.6/41

- sign 998.055+/-0.227 χ^2/NDF: 2364190.7/21

asym_usl_mean vs Slug



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

Left Out: -144.881+/-1157.444 χ^2/NDF:1.6/3

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

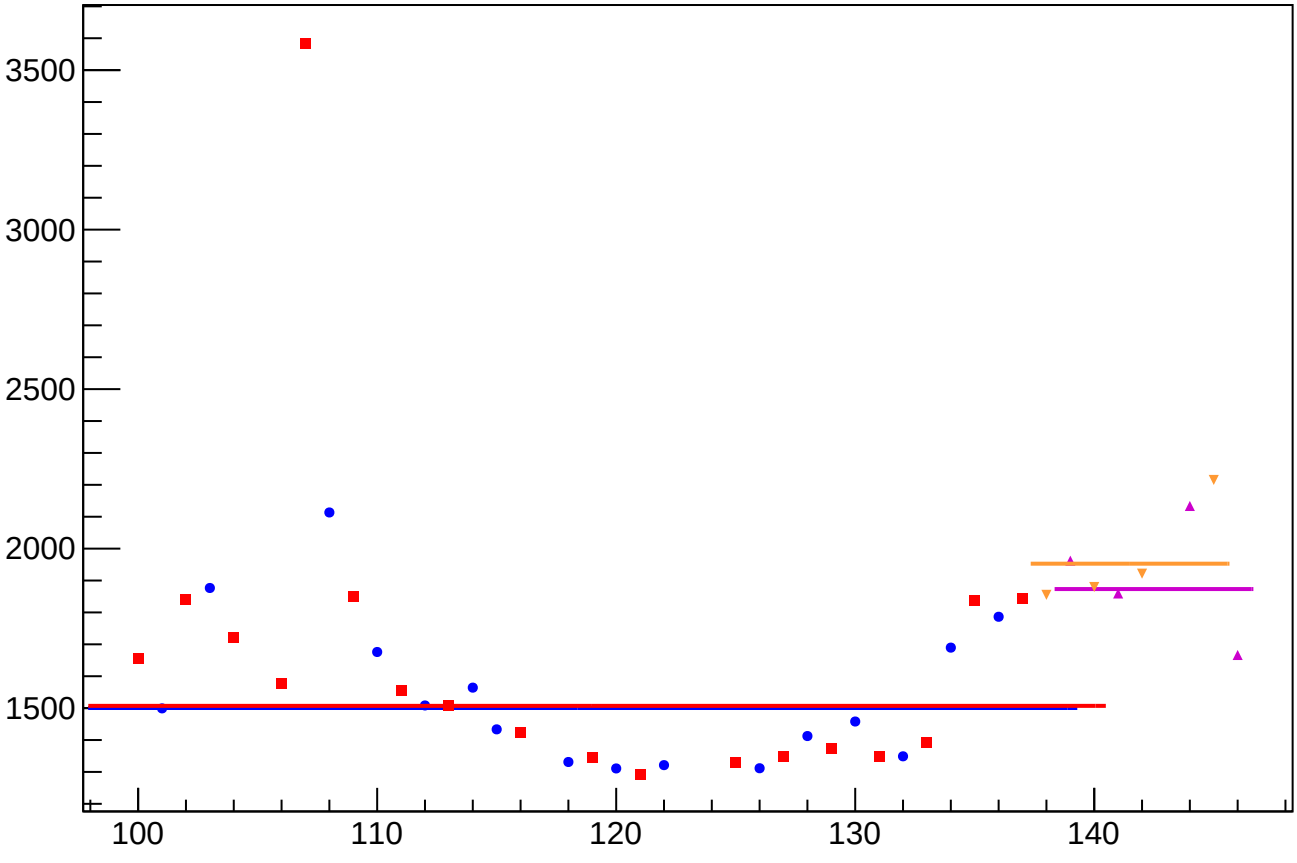
Left In: -1551.279+/-1003.437 χ^2/NDF:1.0/3

+ sign 1973.272+/-506.135 χ^2/NDF: 14.0/19

All: 164.239+/-352.554 χ^2/NDF: 58.3/41

- sign -1540.755+/-491.365 χ^2/NDF: 19.5/21

asym_usl_rms vs Slug



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

Left Out: 1952.794+/-0.818 χ^2/NDF:29710.8/3

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

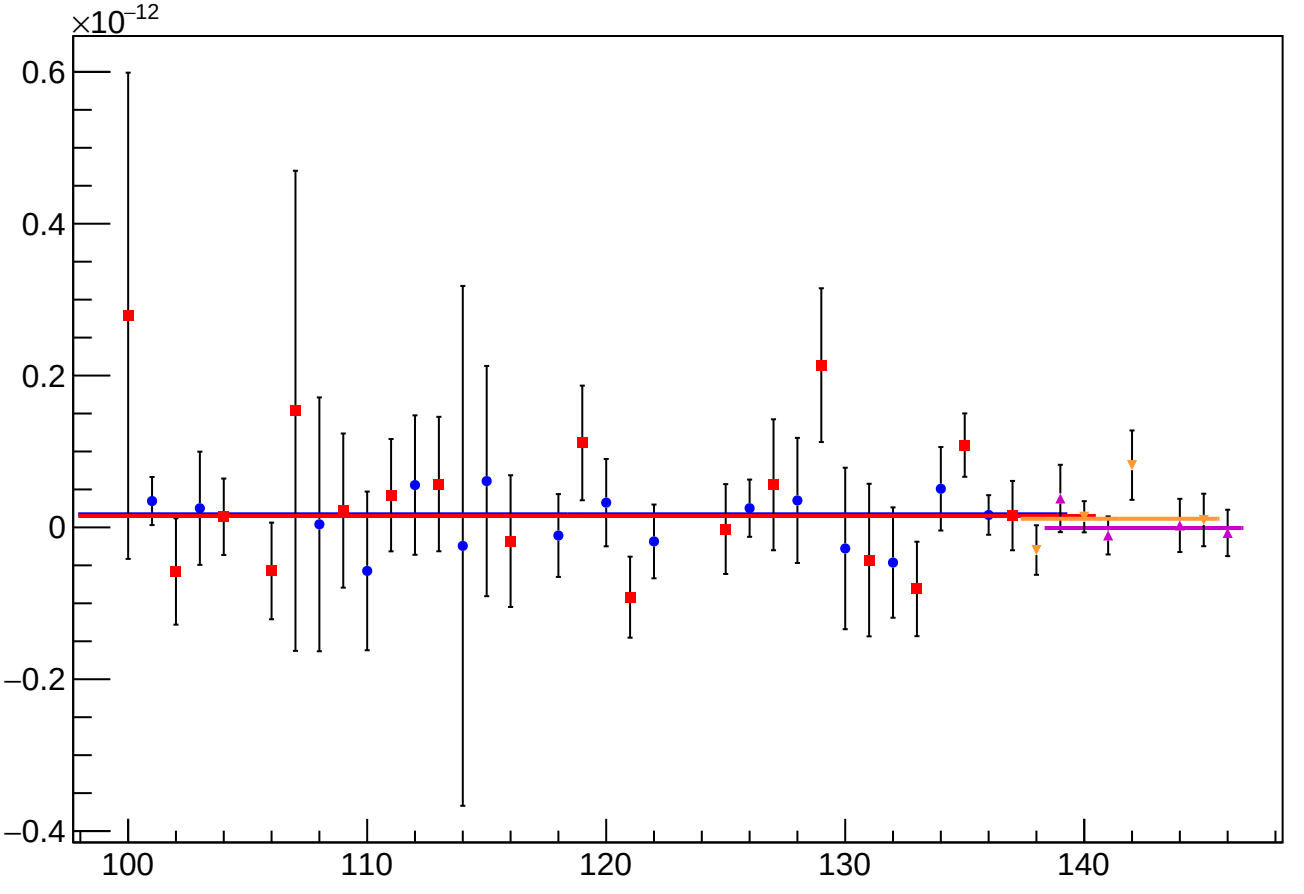
Left In: 1873.261+/-0.710 χ^2/NDF:57890.9/3

+ sign 1586.888+/-0.358 χ^2/NDF: 535640.3/19

All: 1591.012+/-0.249 χ^2/NDF: 1197474.4/41

- sign 1594.900+/-0.347 χ^2/NDF: 661576.1/21

asym_usl_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/3

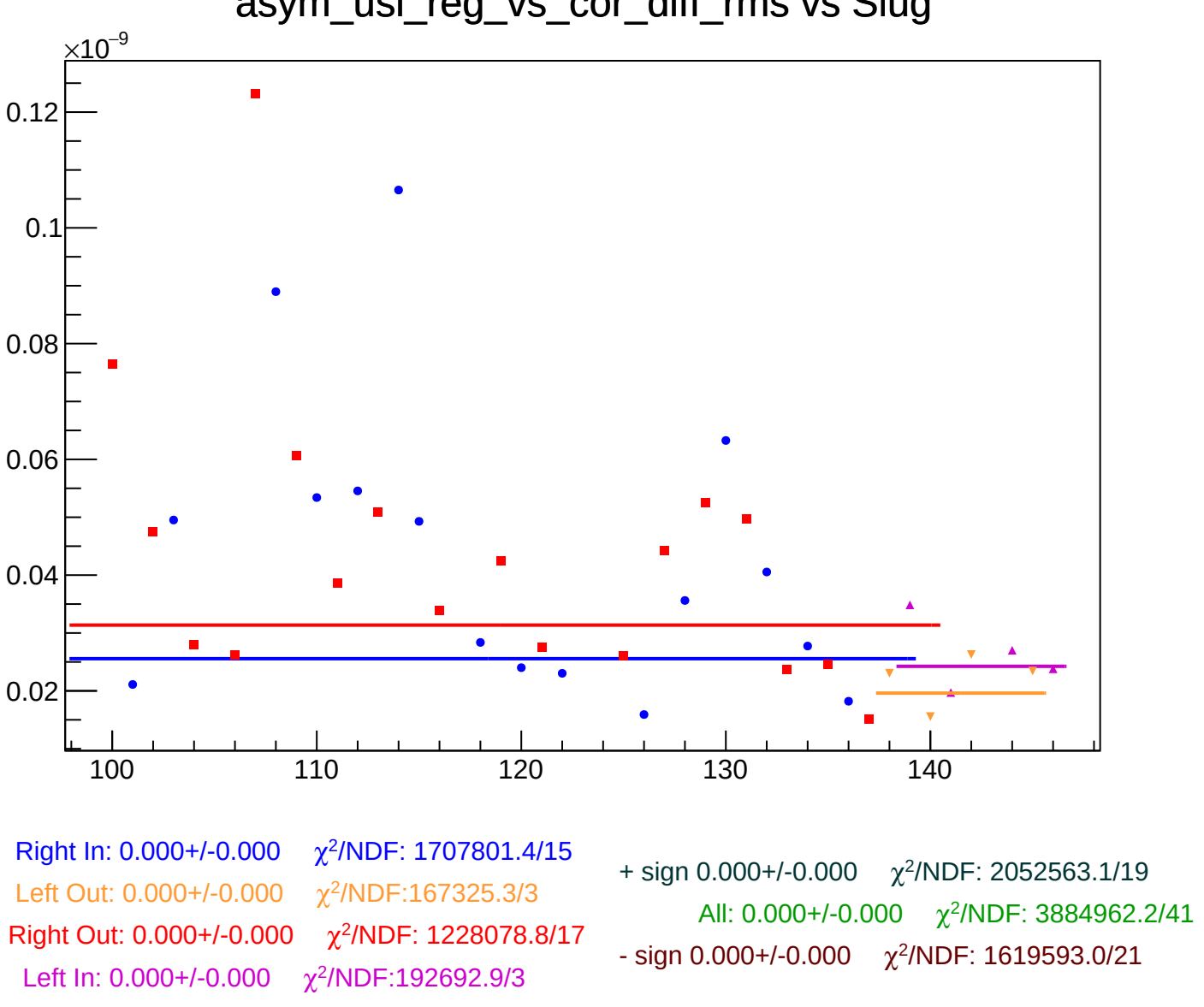
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

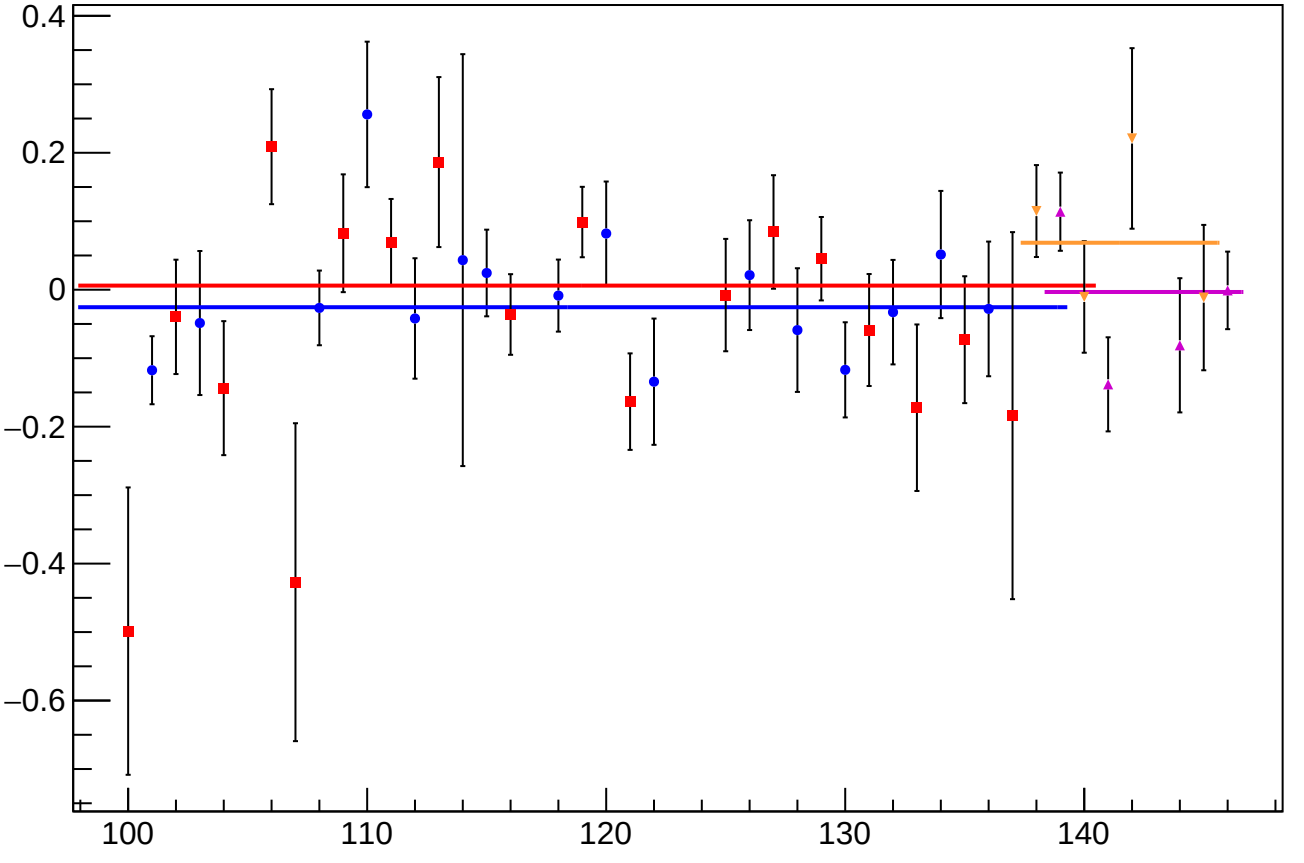
+ sign 0.000+/-0.000 χ^2/NDF: 7.5/19

All: 0.000+/-0.000 χ^2/NDF: 30.5/41

- sign 0.000+/-0.000 χ^2/NDF: 22.8/21


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
Right In: 0.000+/-0.000 χ²/NDF: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:167325.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 1228078.8/17
Left In: 0.000+/-0.000 χ²/NDF:192692.9/3
+ sign 0.000+/-0.000 χ²/NDF: 2052563.1/19
All: 0.000+/-0.000 χ²/NDF: 3884962.2/41
- sign 0.000+/-0.000 χ²/NDF: 1619593.0/21

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.069+/-0.044 χ^2/NDF:3.3/3

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

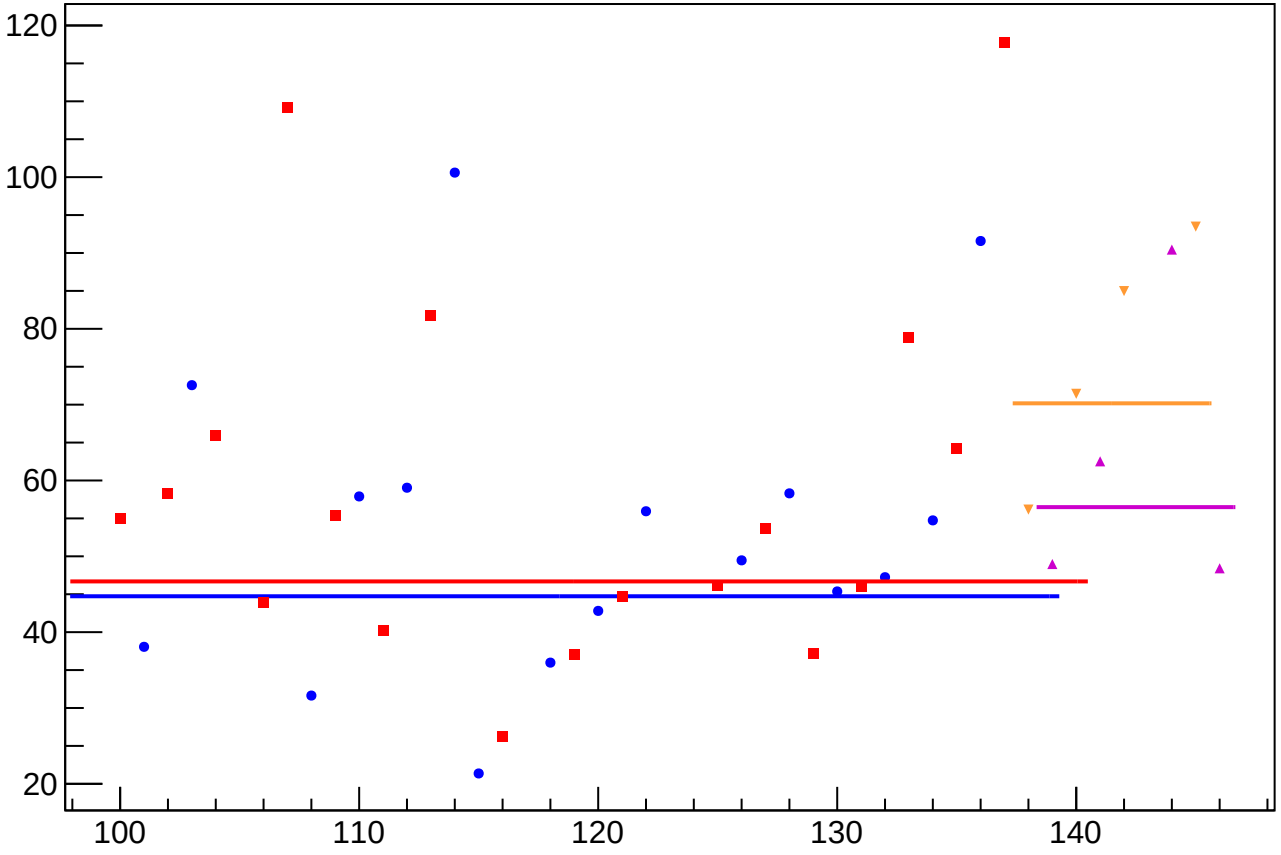
Left In: -0.003+/-0.033 χ^2/NDF:8.7/3

\+ sign -0.011+/-0.017 χ^2/NDF: 24.8/19

All: -0.003+/-0.012 χ^2/NDF: 70.5/41

\- sign 0.004+/-0.017 χ^2/NDF: 45.3/21

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 70.174+/-0.031 χ^2/NDF:209157.6/3

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

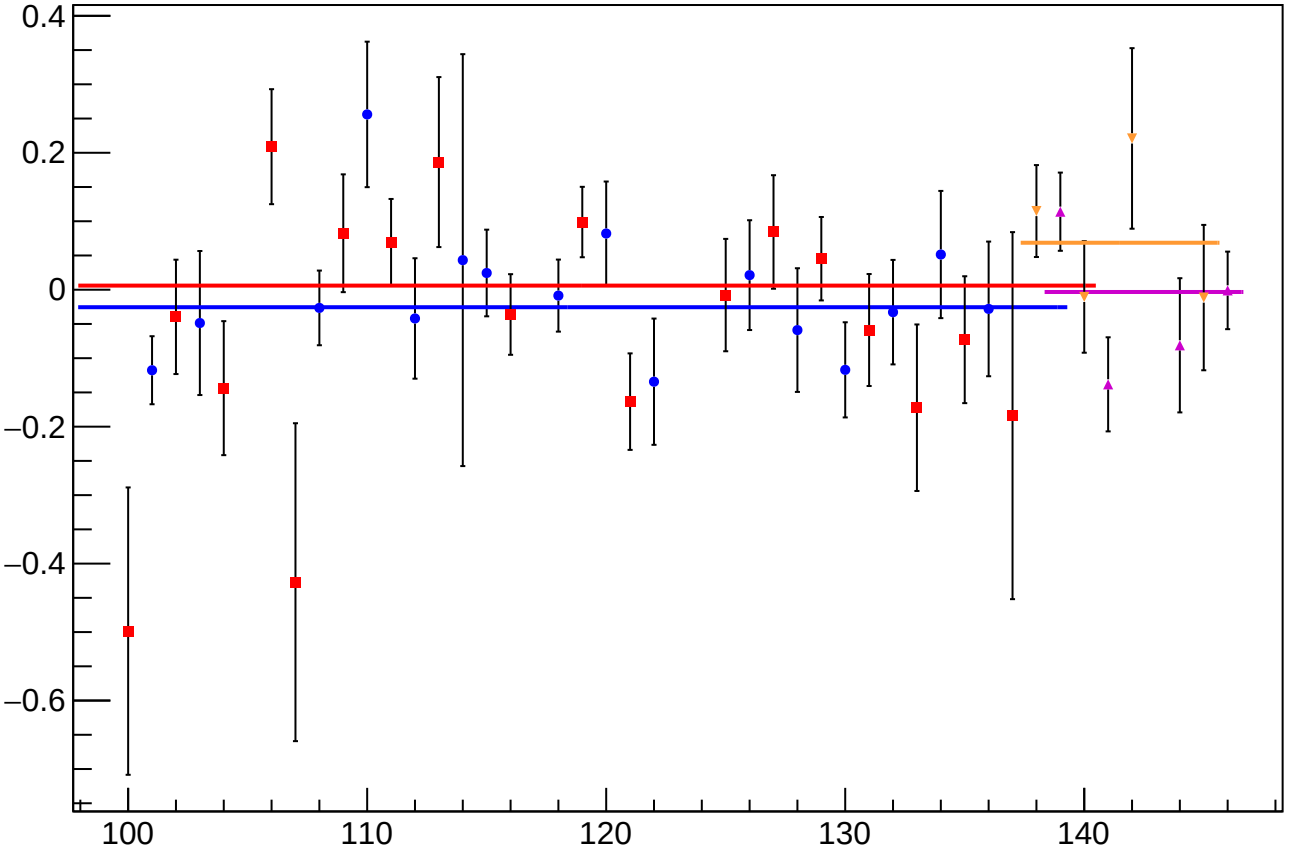
Left In: 56.487+/-0.023 χ^2/NDF:330732.4/3

+ sign 48.664+/-0.012 χ^2/NDF: 2111509.6/19

All: 48.960+/-0.008 χ^2/NDF: 3771562.1/41

- sign 49.238+/-0.012 χ^2/NDF: 1658908.1/21

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.069+/-0.044 χ^2/NDF:3.3/3

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

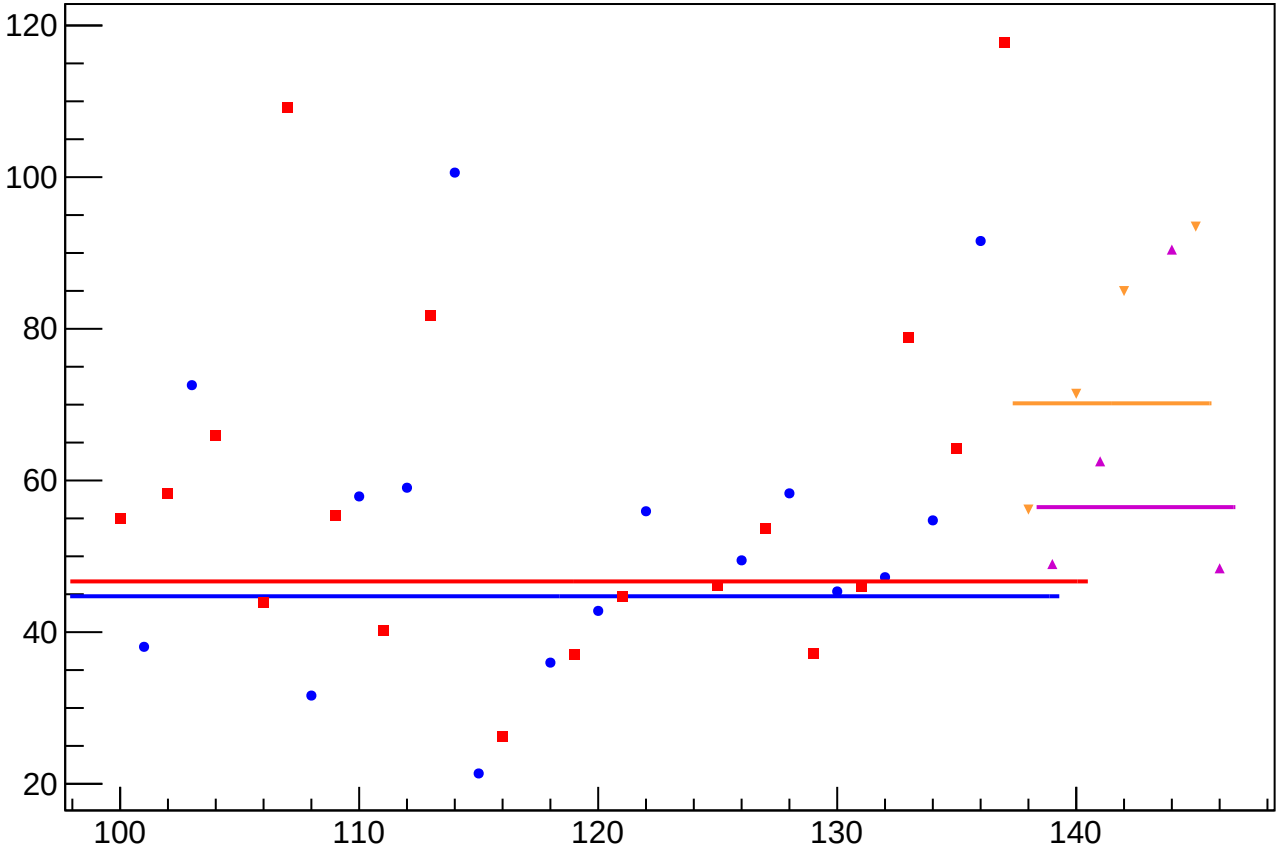
Left In: -0.003+/-0.033 χ^2/NDF:8.7/3

+ sign -0.011+/-0.017 χ^2/NDF: 24.8/19

All: -0.003+/-0.012 χ^2/NDF: 70.5/41

- sign 0.004+/-0.017 χ^2/NDF: 45.3/21

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 70.174+/-0.031 χ^2/NDF:209157.6/3

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

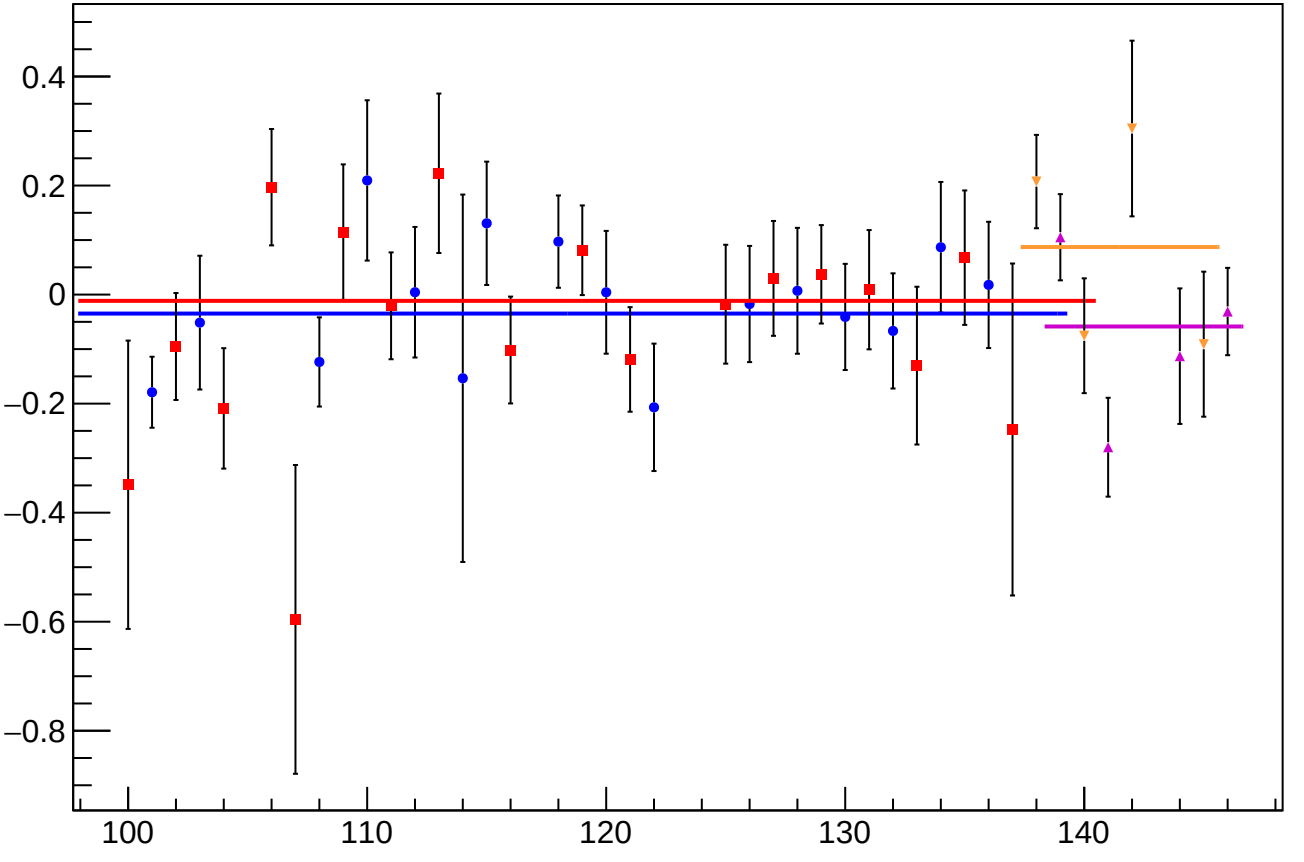
Left In: 56.487+/-0.023 χ^2/NDF:330732.4/3

+ sign 48.664+/-0.012 χ^2/NDF: 2111509.6/19

All: 48.960+/-0.008 χ^2/NDF: 3771562.1/41

- sign 49.238+/-0.012 χ^2/NDF: 1658908.1/21

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: 0.087+/-0.056 χ^2/NDF:8.0/3

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

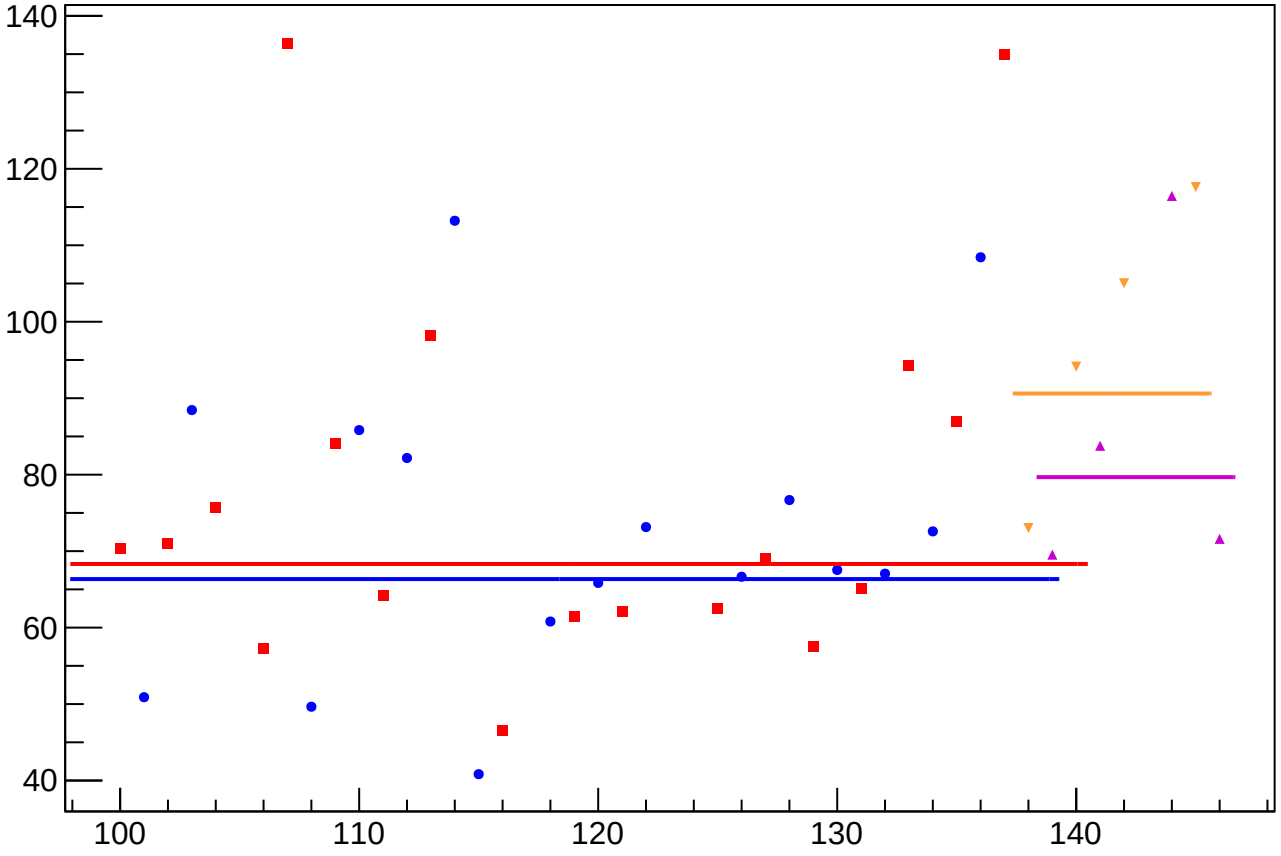
Left In: -0.059+/-0.045 χ^2/NDF:10.6/3

+ sign -0.013+/-0.024 χ^2/NDF: 29.3/19

All: -0.019+/-0.017 χ^2/NDF: 63.6/41

- sign -0.024+/-0.023 χ^2/NDF: 34.1/21

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 90.616+/-0.039 χ^2/NDF:185069.5/3

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

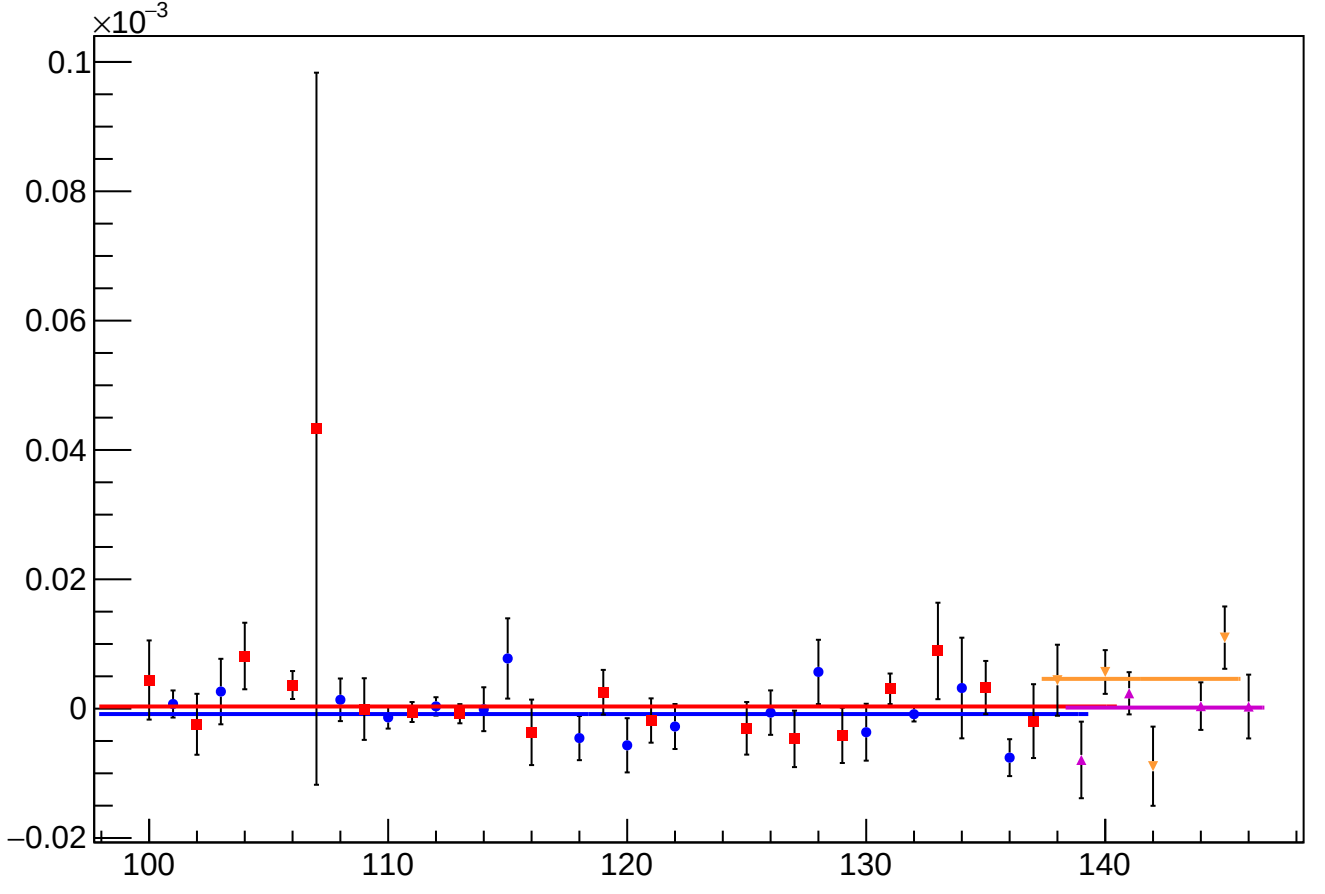
Left In: 79.678+/-0.032 χ^2/NDF:232352.8/3

+ sign 70.756+/-0.017 χ^2/NDF: 1267654.9/19

All: 71.062+/-0.012 χ^2/NDF: 2225315.7/41

- sign 71.349+/-0.016 χ^2/NDF: 957019.5/21

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:6.7/3

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

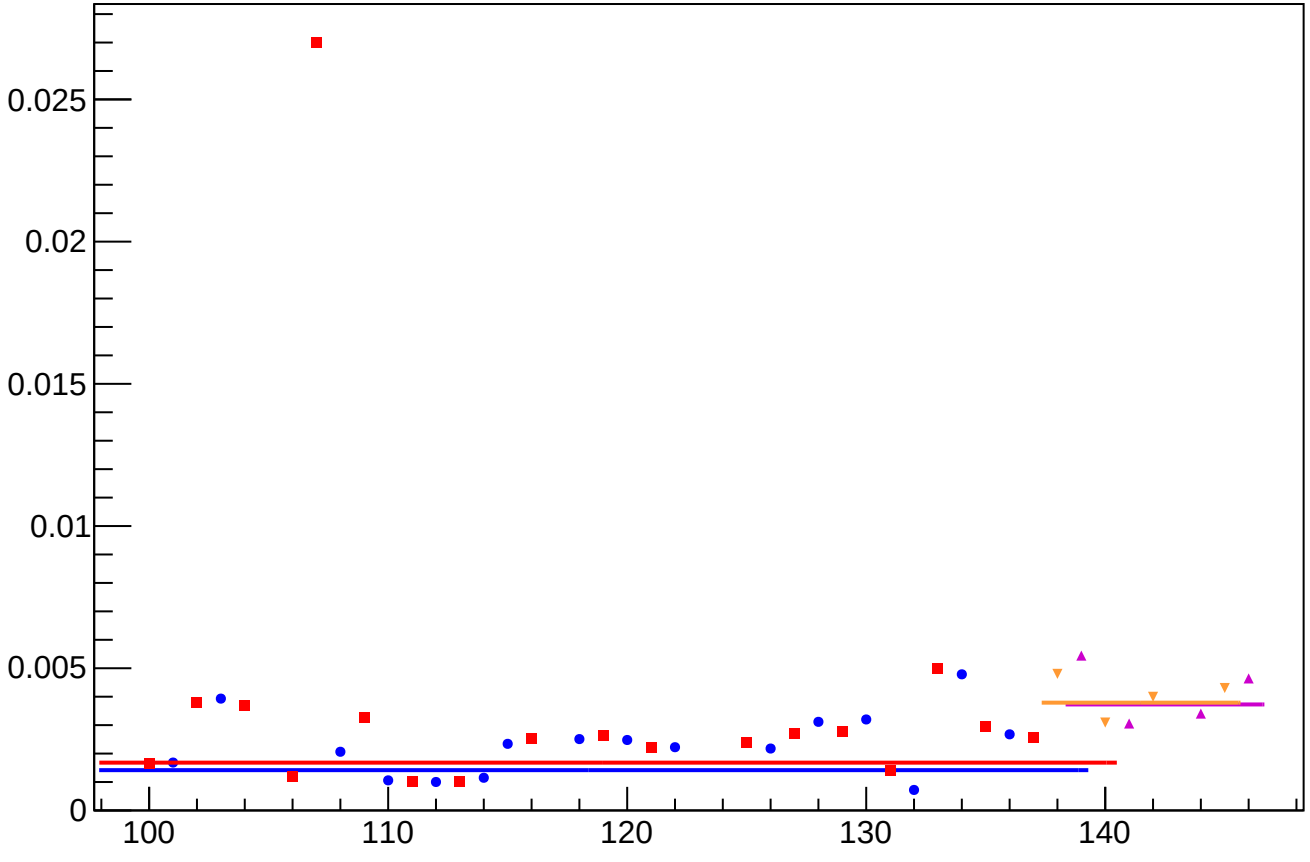
Left In: 0.000+/-0.000 χ^2/NDF:2.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/19

All: -0.000+/-0.000 χ^2/NDF: 44.9/41

- sign 0.000+/-0.000 χ^2/NDF: 17.1/21

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:178580.7/3

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

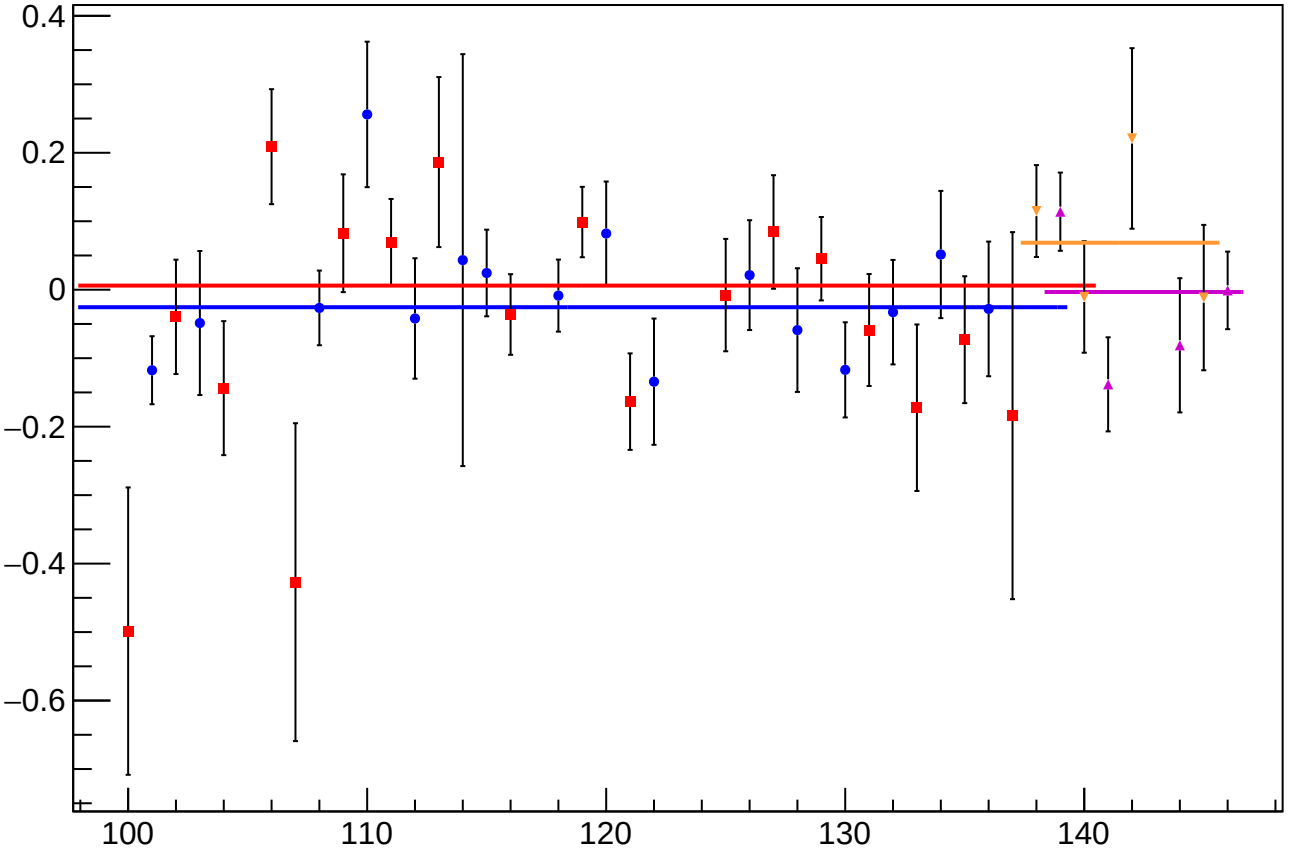
Left In: 0.004+/-0.000 χ^2/NDF:336687.9/3

+ sign 0.002+/-0.000 χ^2/NDF: 5725481.3/19

All: 0.002+/-0.000 χ^2/NDF: 11523758.1/41

- sign 0.002+/-0.000 χ^2/NDF: 5531448.1/21

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.069+/-0.044 χ^2/NDF:3.3/3

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

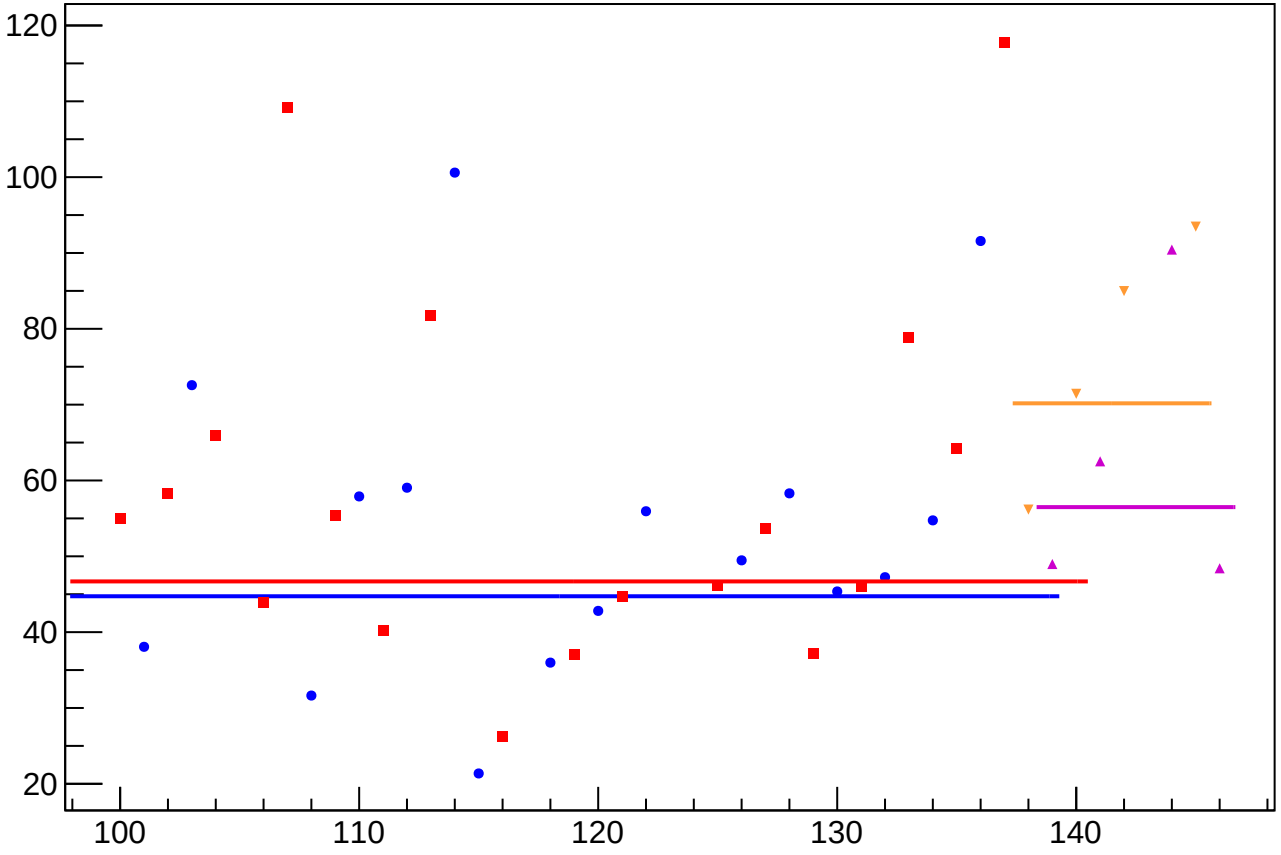
Left In: -0.003+/-0.033 χ^2/NDF:8.7/3

+ sign -0.011+/-0.017 χ^2/NDF: 24.8/19

All: -0.003+/-0.012 χ^2/NDF: 70.5/41

- sign 0.004+/-0.017 χ^2/NDF: 45.3/21

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 70.174+/-0.031 χ^2/NDF:209163.1/3

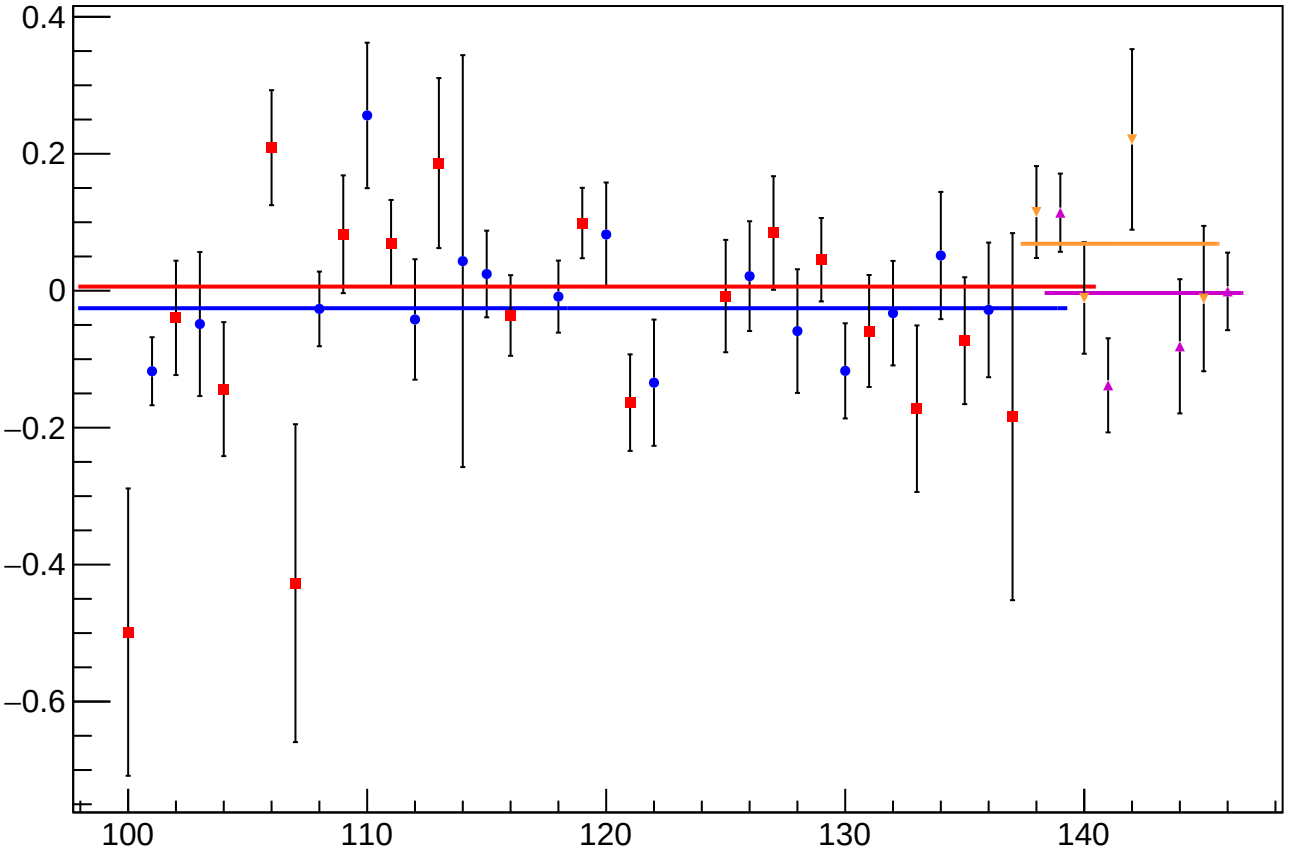
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 56.488+/-0.023 χ^2/NDF:330711.4/3

+ sign 48.663+/-0.012 χ^2/NDF: 2111603.1/19

All: 48.960+/-0.008 χ^2/NDF: 3771711.8/41

- sign 49.237+/-0.012 χ^2/NDF: 1658963.3/21



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

Left Out: 0.069+/-0.044 χ^2/NDF:3.3/3

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

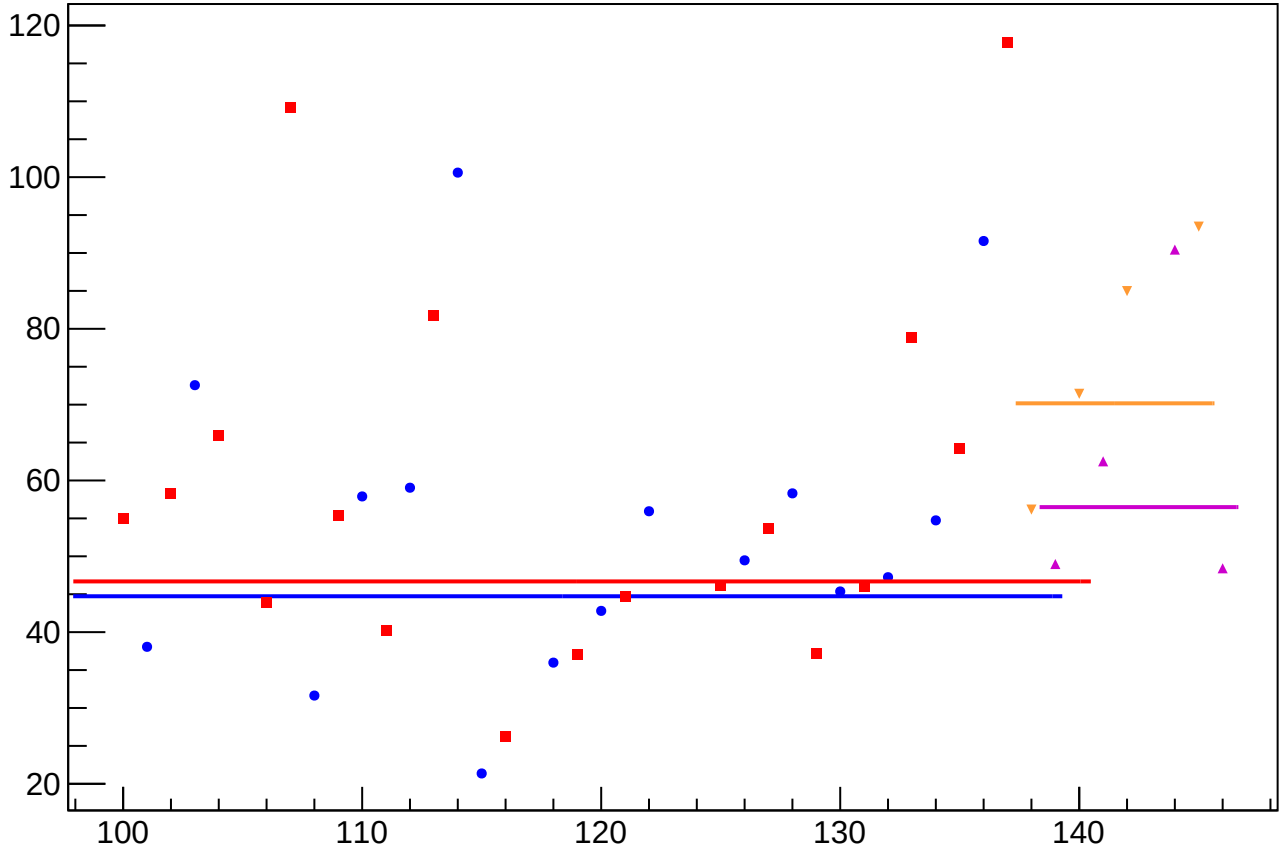
Left In: -0.003+/-0.033 χ^2/NDF:8.7/3

+ sign -0.011+/-0.017 χ^2/NDF: 24.8/19

All: -0.003+/-0.012 χ^2/NDF: 70.5/41

- sign 0.004+/-0.017 χ^2/NDF: 45.3/21

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: 70.174+/-0.031 χ^2/NDF:209163.1/3

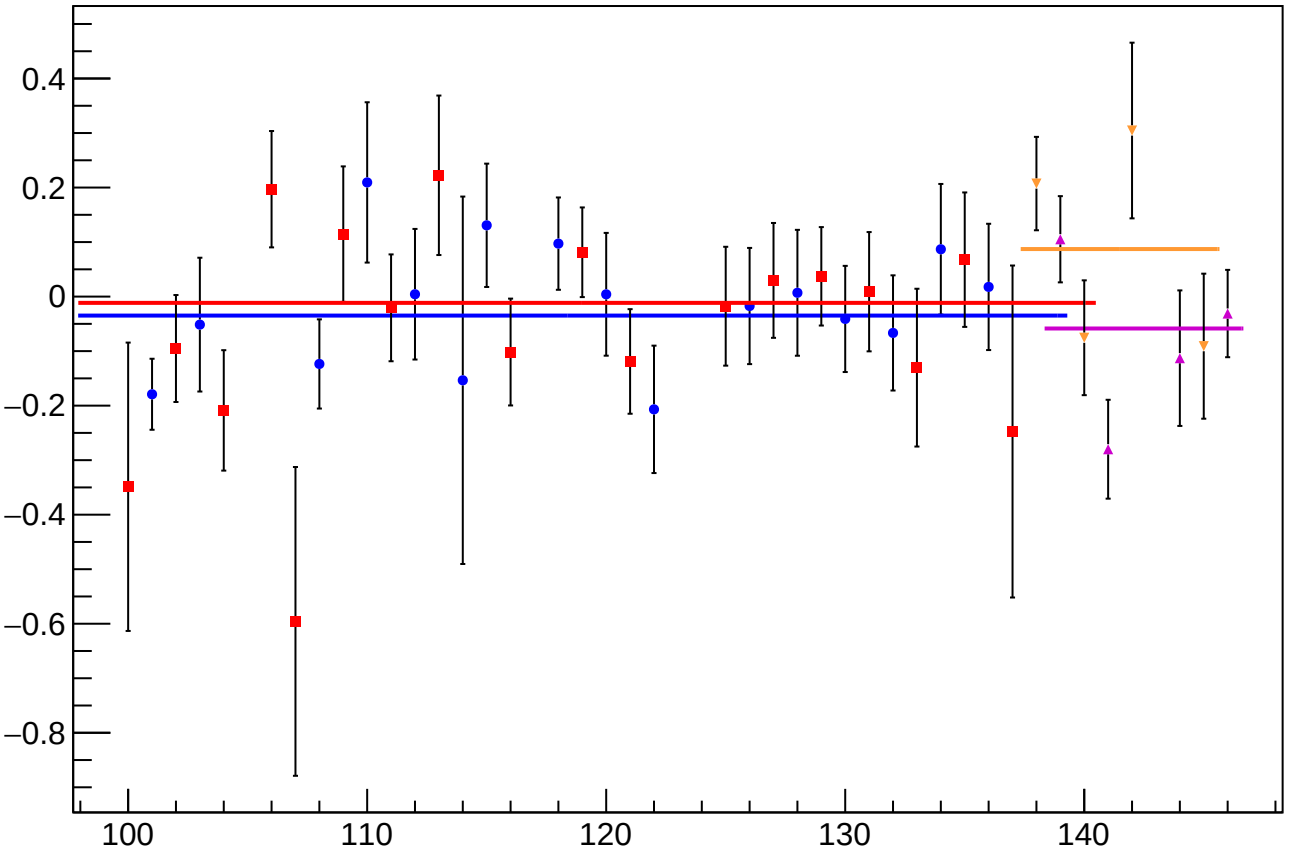
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 56.488+/-0.023 χ^2/NDF:330711.4/3

+ sign 48.663+/-0.012 χ^2/NDF: 2111603.1/19

All: 48.960+/-0.008 χ^2/NDF: 3771711.8/41

- sign 49.237+/-0.012 χ^2/NDF: 1658963.3/21



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

Left Out: 0.087+/-0.056 χ^2/NDF:8.0/3

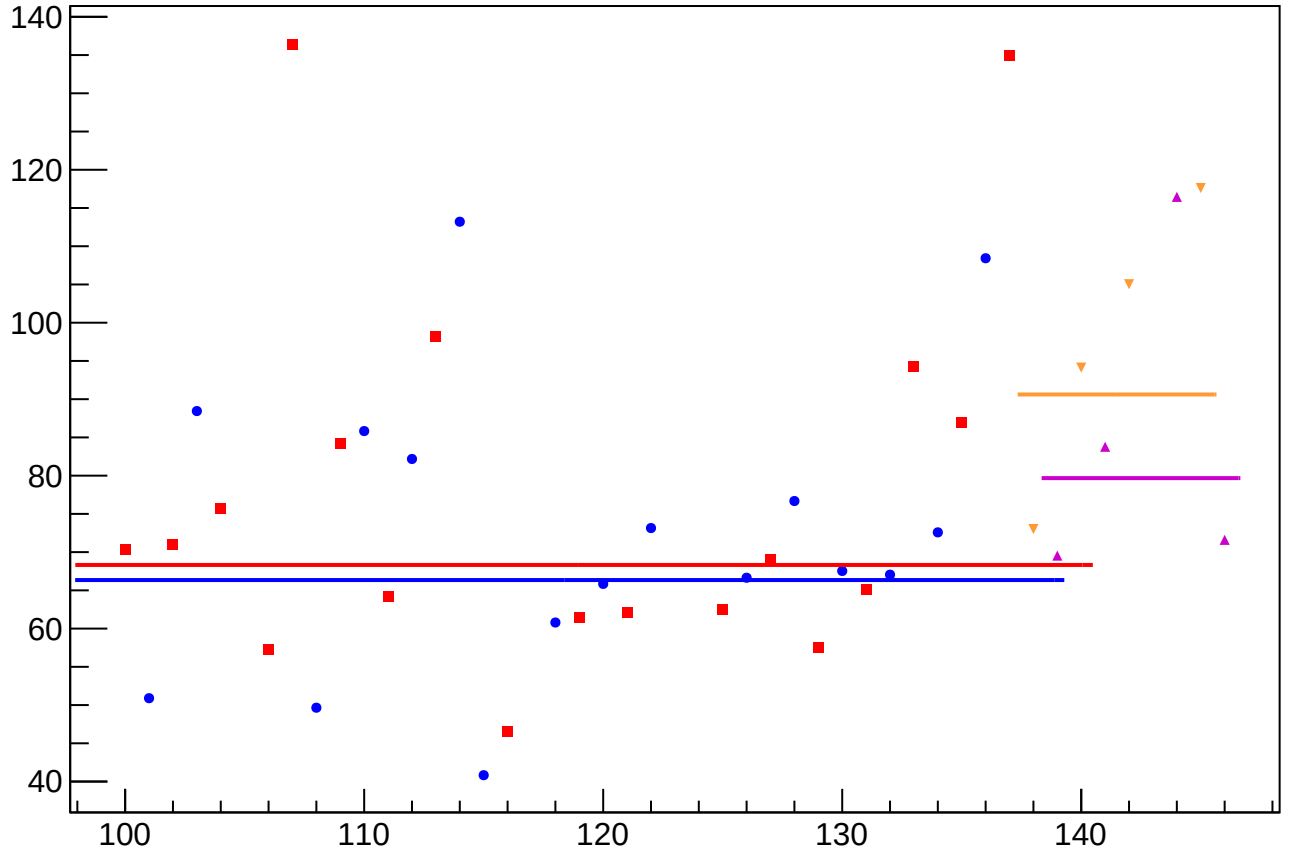
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.059+/-0.045 χ^2/NDF:10.6/3

+ sign -0.013+/-0.024 χ^2/NDF: 29.3/19

All: -0.019+/-0.017 χ^2/NDF: 63.6/41

- sign -0.024+/-0.023 χ^2/NDF: 34.1/21



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 90.616+/-0.039 χ^2/NDF:185072.4/3

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

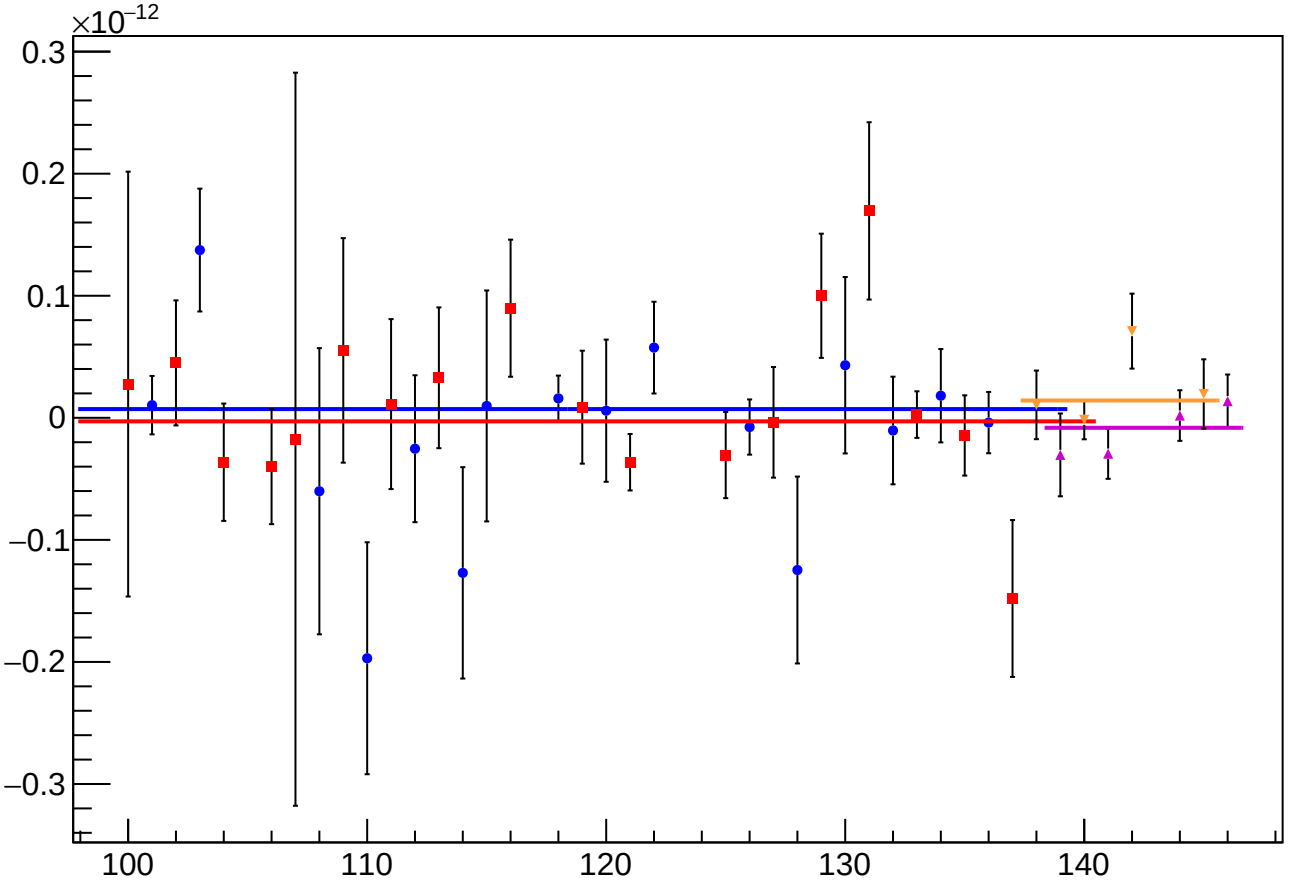
Left In: 79.678+/-0.032 χ^2/NDF:232344.0/3

+ sign 70.756+/-0.017 χ^2/NDF: 1267671.2/19

All: 71.061+/-0.012 χ^2/NDF: 2225335.7/41

- sign 71.348+/-0.016 χ^2/NDF: 957023.2/21

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:4.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

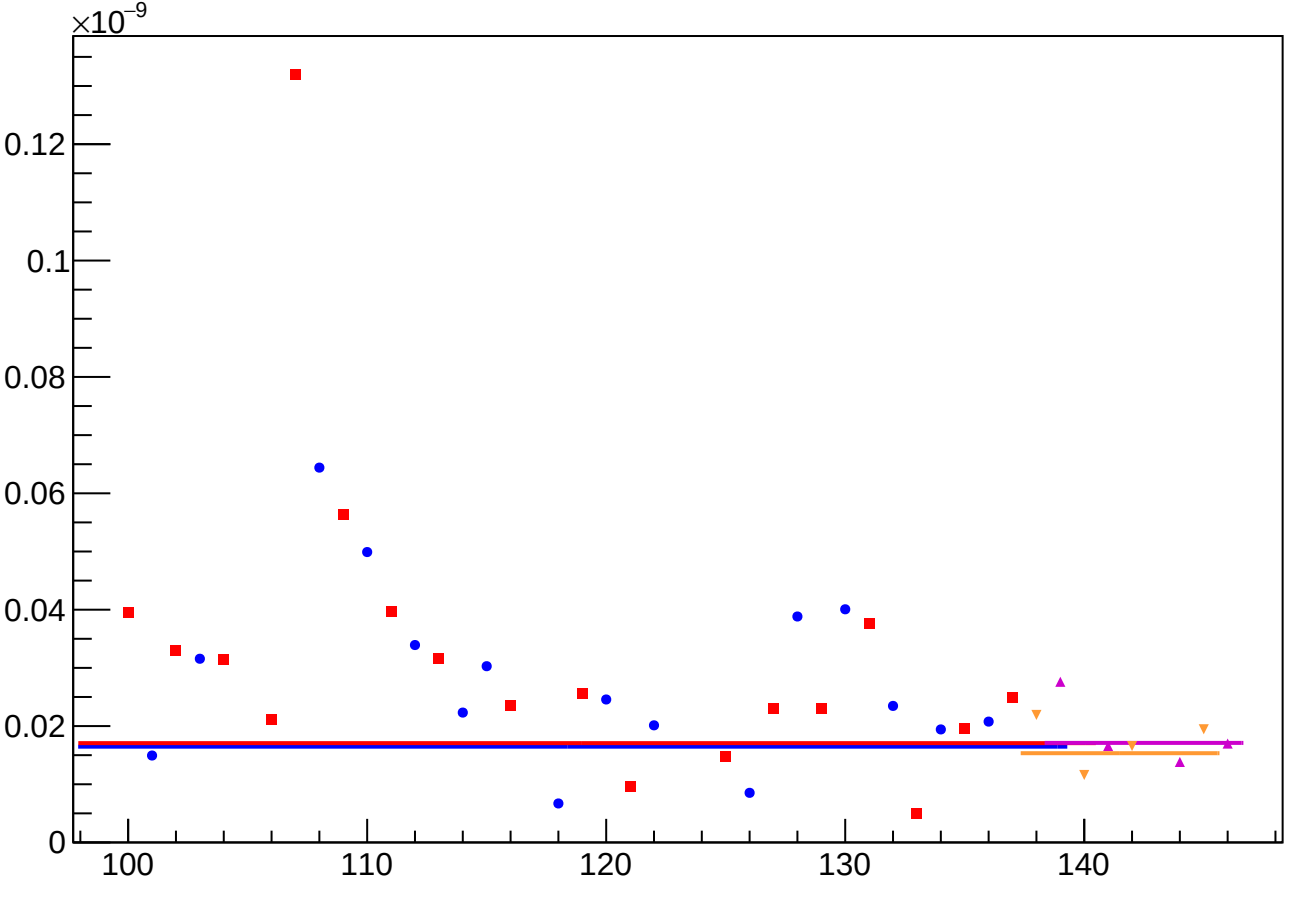
Left In: -0.000+/-0.000 χ^2/NDF:2.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/19

All: 0.000+/-0.000 χ^2/NDF: 53.4/41

- sign -0.000+/-0.000 χ^2/NDF: 26.2/21

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:264628.0/3

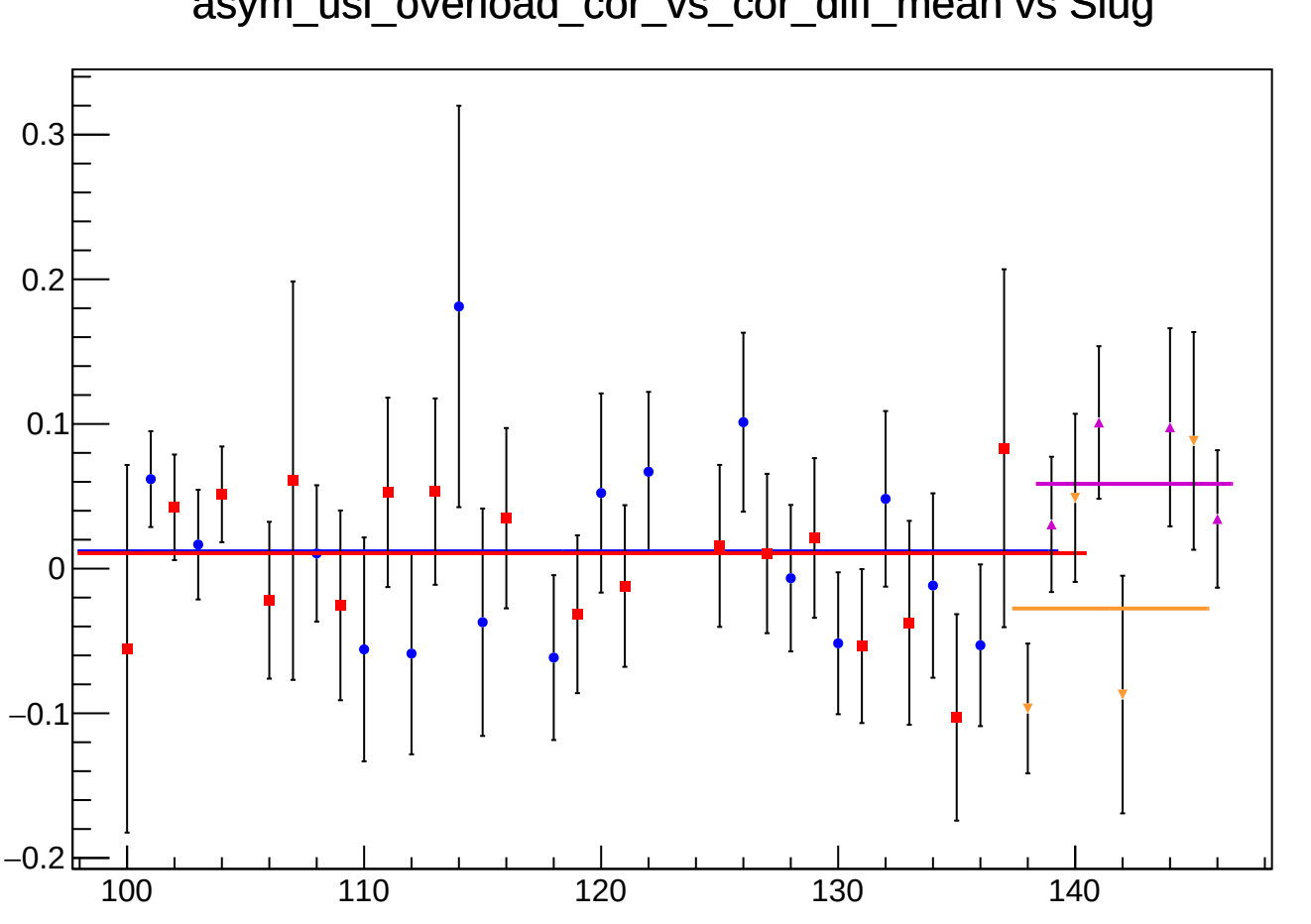
Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:242940.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2622090.6/19

All: 0.000+/-0.000 χ^2/NDF: 5677340.5/41

- sign 0.000+/-0.000 χ^2/NDF: 3034308.8/21



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.028+/-0.030 χ^2/NDF:7.0/3

Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

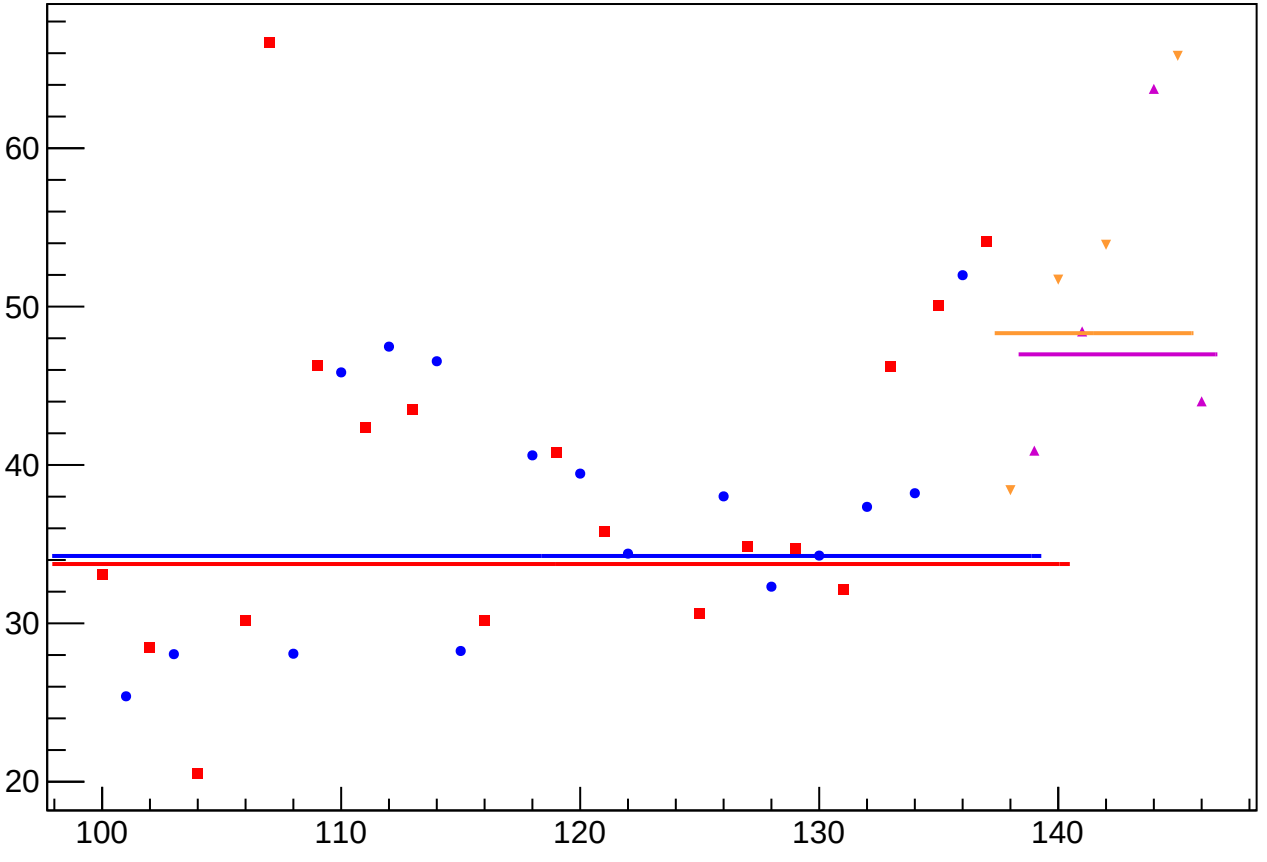
Left In: 0.059+/-0.026 χ^2/NDF:1.6/3

+ sign 0.005+/-0.012 χ^2/NDF: 23.1/19

All: 0.013+/-0.009 χ^2/NDF: 38.2/41

- sign 0.021+/-0.012 χ^2/NDF: 14.2/21

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 48.322+/-0.021 χ^2/NDF:221998.5/3

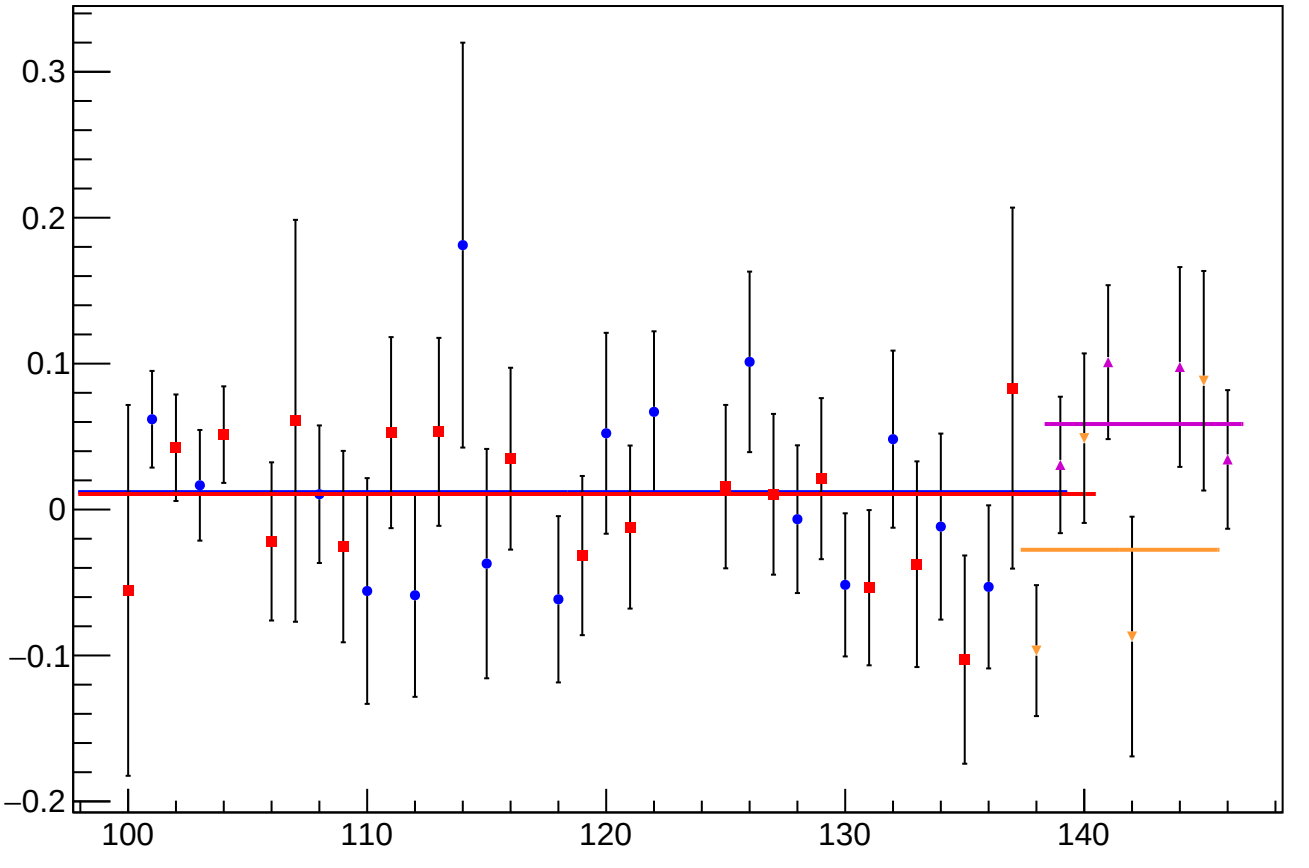
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 46.985+/-0.018 χ^2/NDF:163017.4/3

+ sign 36.668+/-0.009 χ^2/NDF: 1224523.1/19

All: 36.597+/-0.006 χ^2/NDF: 2707500.2/41

- sign 36.530+/-0.008 χ^2/NDF: 1482847.1/21



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.028+/-0.030 χ^2/NDF:7.0/3

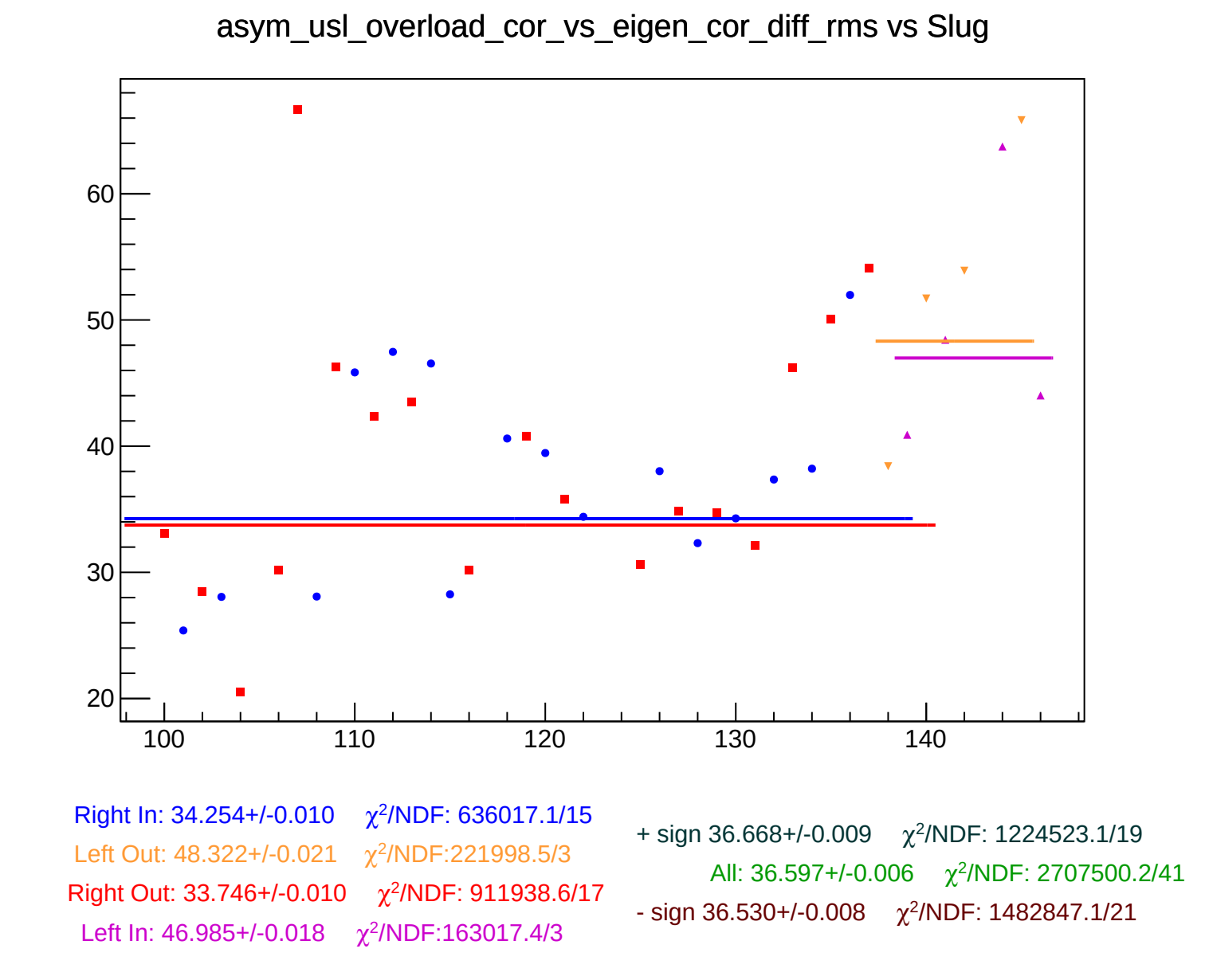
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

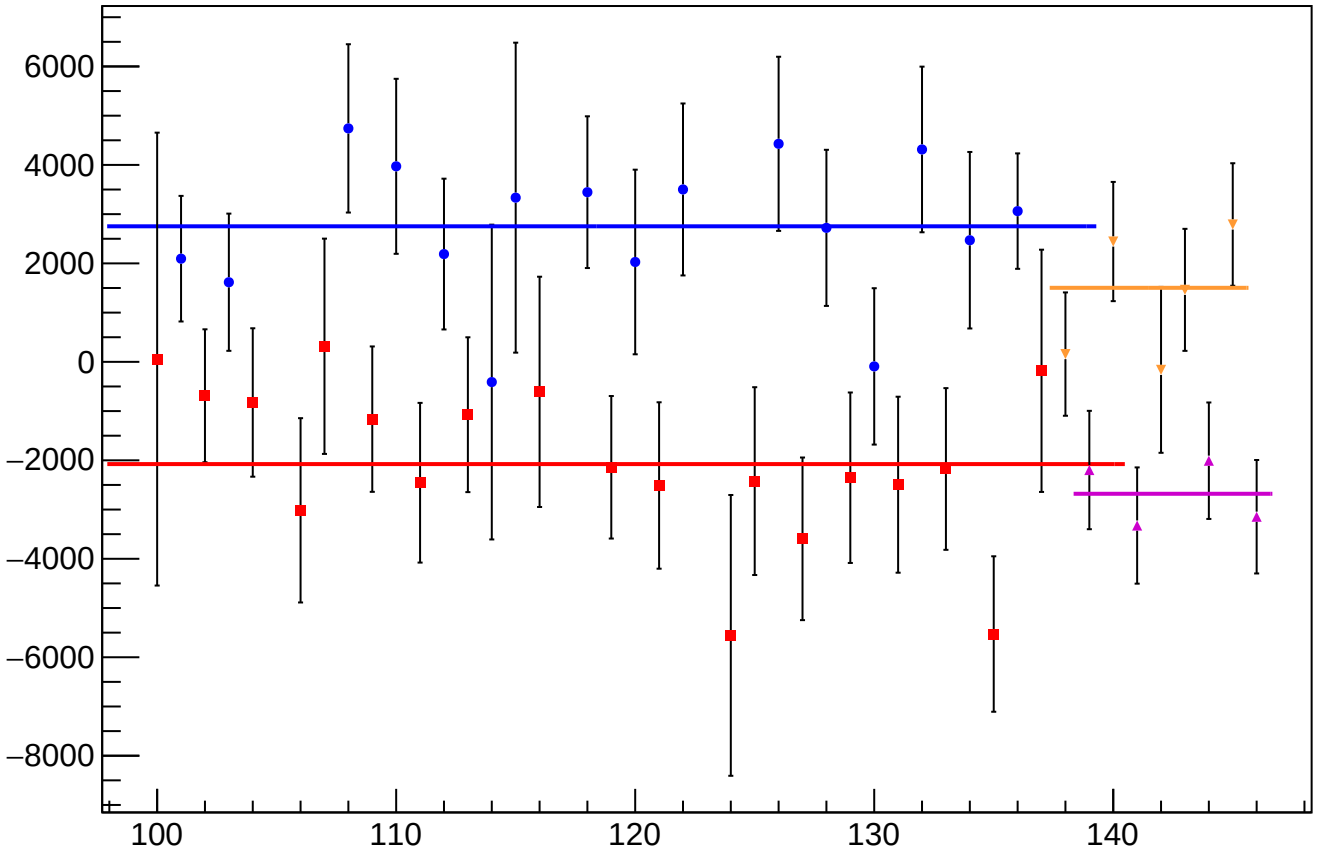
Left In: 0.059+/-0.026 χ^2/NDF:1.6/3

+ sign 0.005+/-0.012 χ^2/NDF: 23.1/19

All: 0.013+/-0.009 χ^2/NDF: 38.2/41

- sign 0.021+/-0.012 χ^2/NDF: 14.2/21


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 48.322+/-0.021 χ²/NDF:221998.5/3
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 46.985+/-0.018 χ²/NDF:163017.4/3
+ sign 36.668+/-0.009 χ²/NDF: 1224523.1/19
All: 36.597+/-0.006 χ²/NDF: 2707500.2/41
- sign 36.530+/-0.008 χ²/NDF: 1482847.1/21



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1503.745+/-580.326 χ^2/NDF:3.8/4

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

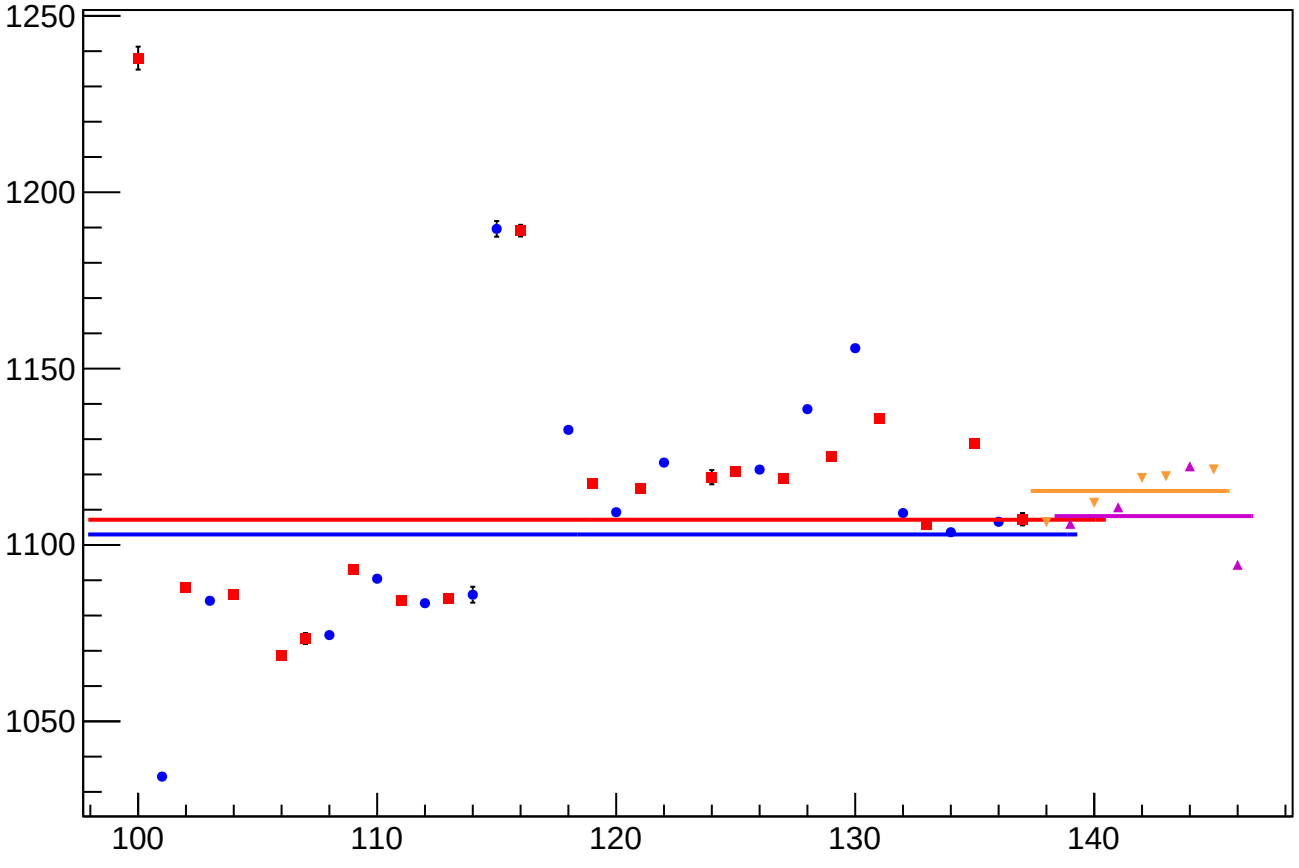
Left In: -2679.555+/-589.505 χ^2/NDF:0.9/3

+ sign 2337.360+/-334.771 χ^2/NDF: 16.4/20

All: 22.877+/-236.139 χ^2/NDF: 125.7/43

- sign -2269.068+/-333.137 χ^2/NDF: 14.2/22

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1115.318+/-0.410 χ^2/NDF:195.0/4

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

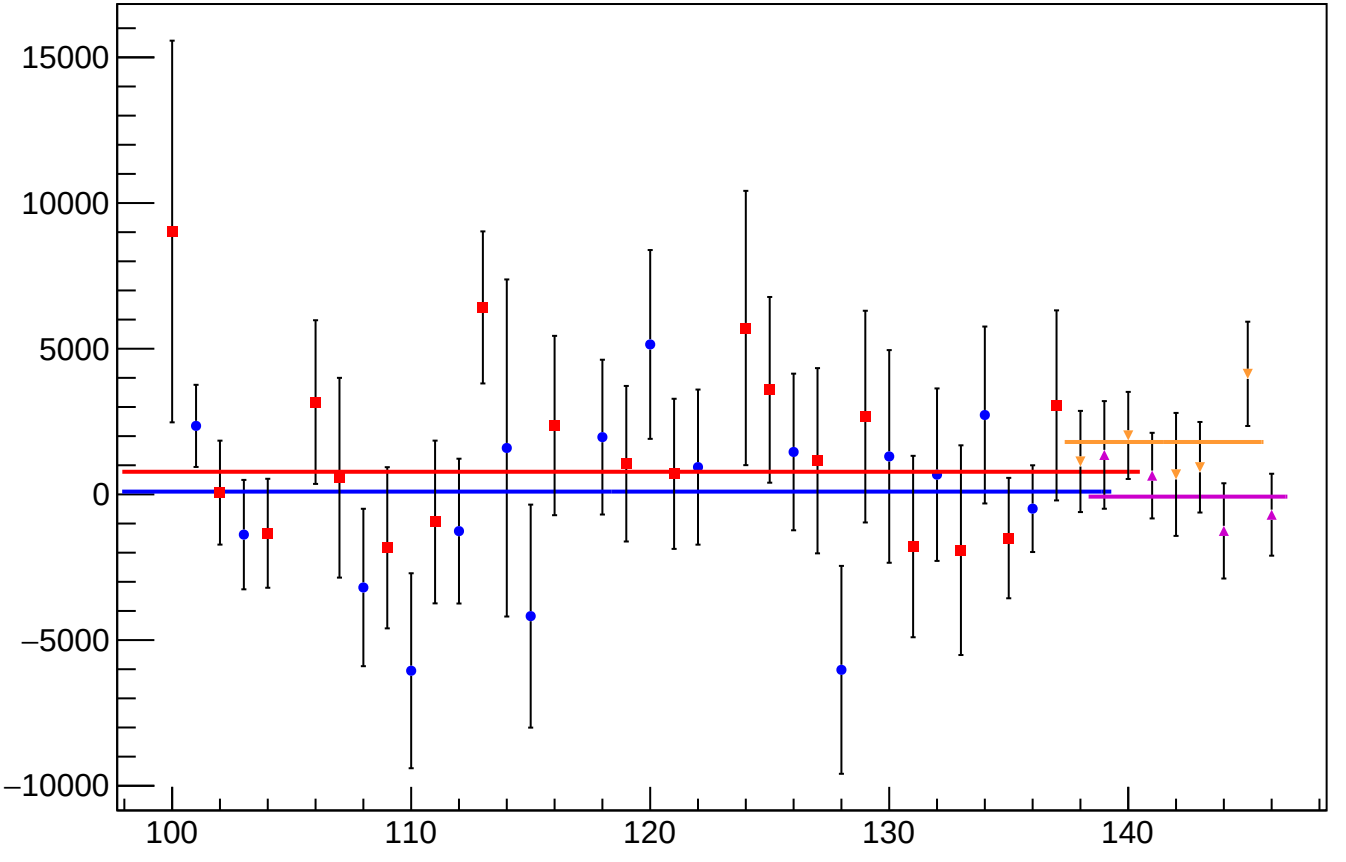
Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

+ sign 1107.091+/-0.237 χ^2/NDF: 14021.2/20

All: 1107.290+/-0.167 χ^2/NDF: 23298.1/43

- sign 1107.488+/-0.236 χ^2/NDF: 9275.4/22

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1798.971+/-760.244 χ^2/NDF:2.5/4

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

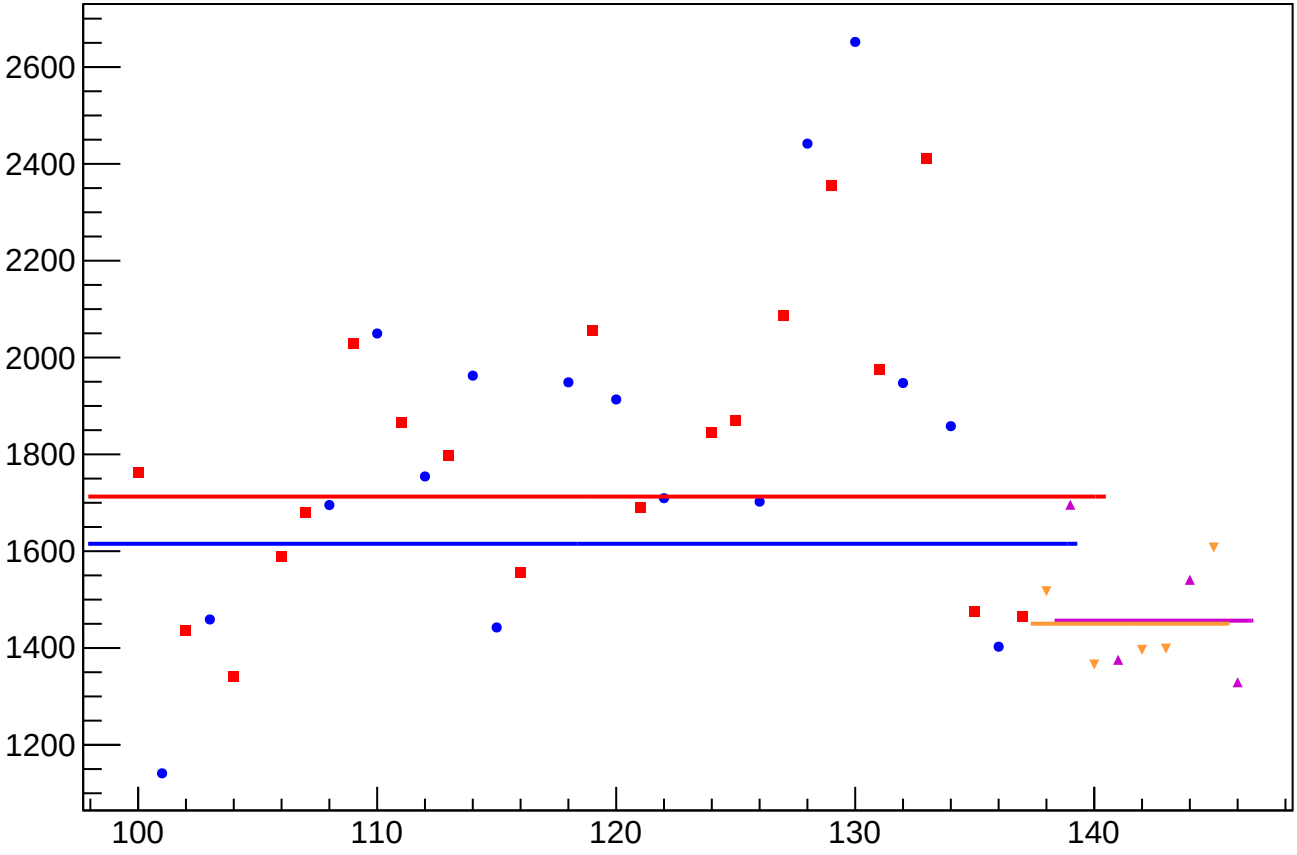
Left In: -76.767+/-781.740 χ^2/NDF:1.6/3

+ sign 773.677+/-479.590 χ^2/NDF: 22.4/20

All: 609.933+/-344.036 χ^2/NDF: 40.0/43

- sign 436.340+/-493.801 χ^2/NDF: 17.3/22

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1450.274+/-0.538 χ^2/NDF:28297.0/4

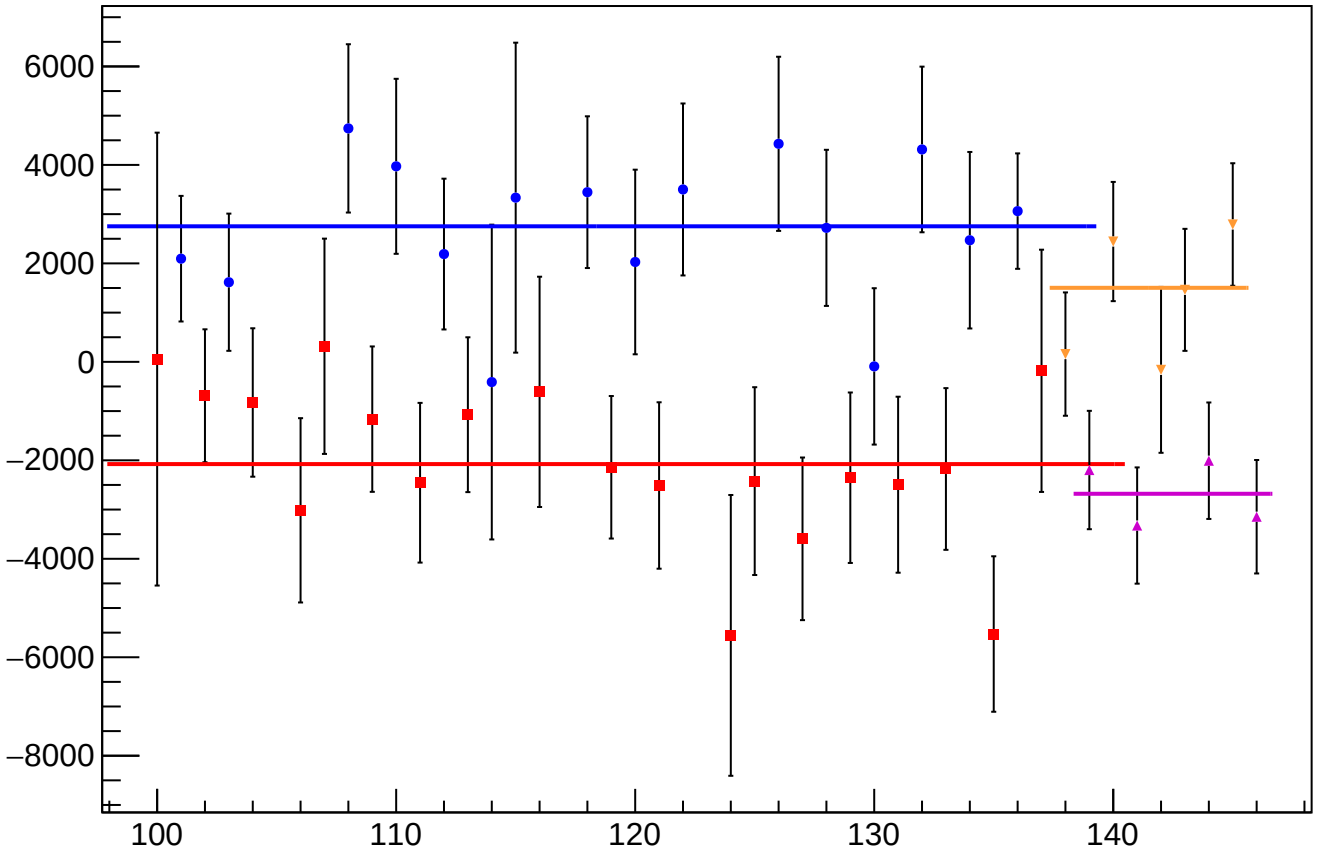
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

+ sign 1549.637+/-0.339 χ^2/NDF: 778673.5/20

All: 1579.203+/-0.243 χ^2/NDF: 1412931.2/43

- sign 1610.548+/-0.349 χ^2/NDF: 618597.6/22



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1503.745+/-580.326 χ^2/NDF:3.8/4

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

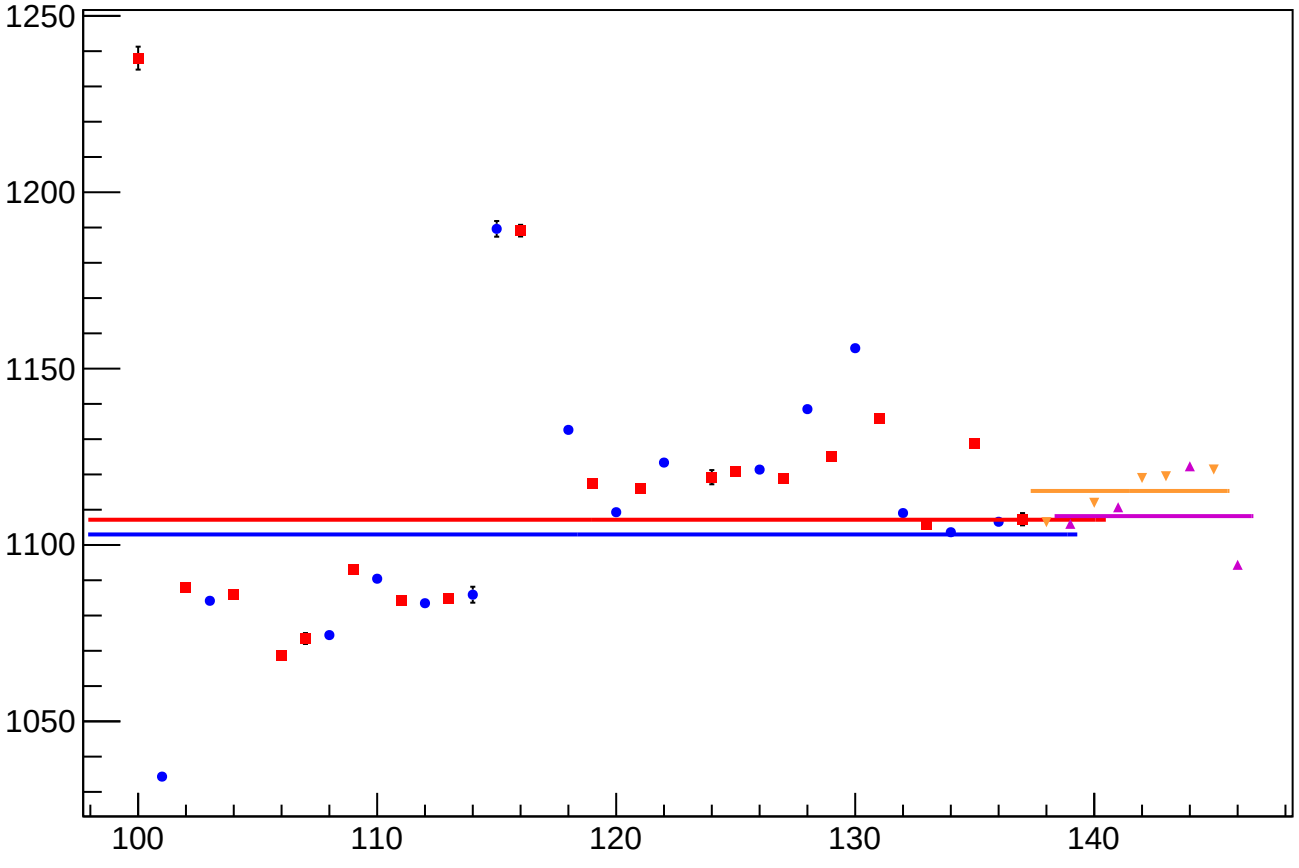
Left In: -2679.555+/-589.505 χ^2/NDF:0.9/3

+ sign 2337.360+/-334.771 χ^2/NDF: 16.4/20

All: 22.877+/-236.139 χ^2/NDF: 125.7/43

- sign -2269.068+/-333.137 χ^2/NDF: 14.2/22

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1115.318+/-0.410 χ^2/NDF:195.0/4

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

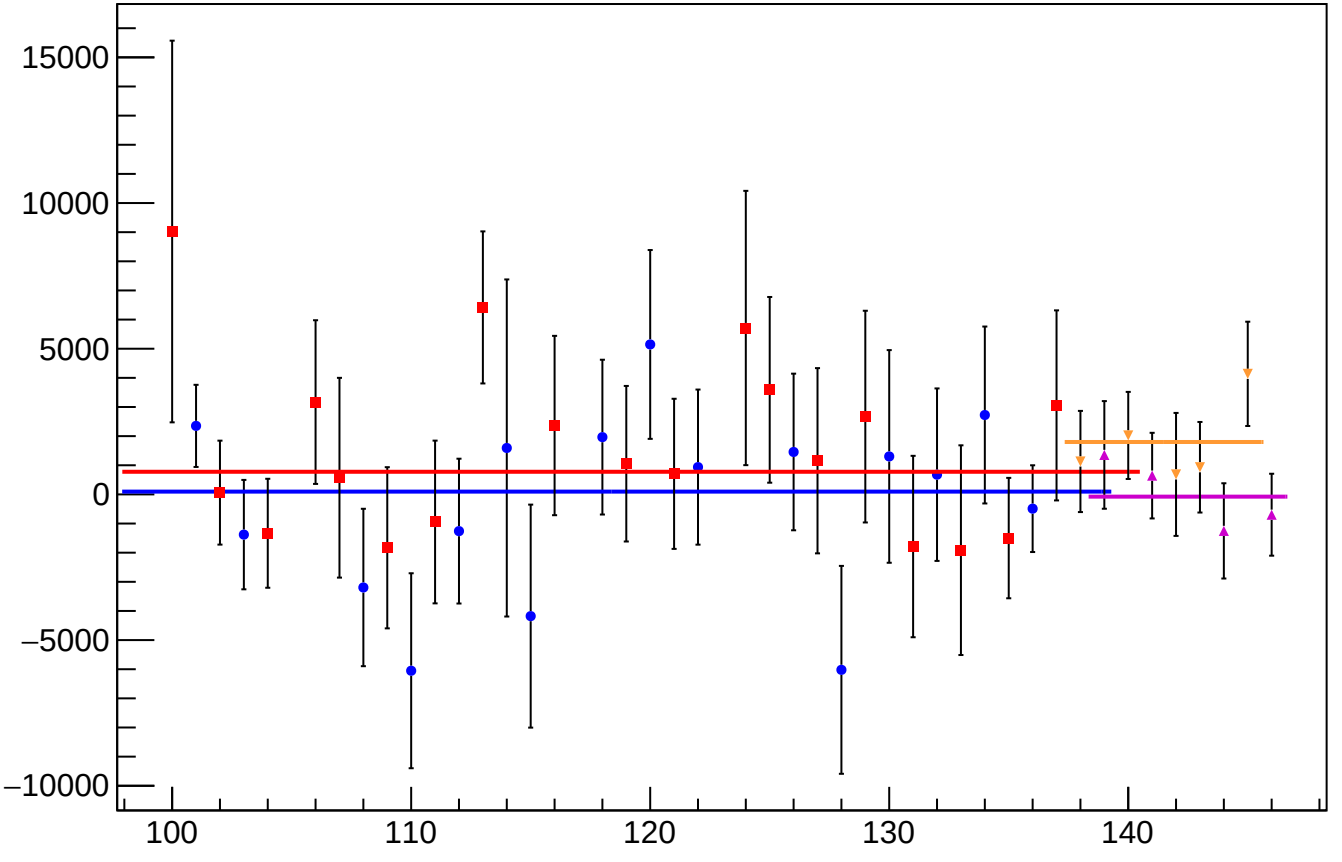
Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

+ sign 1107.091+/-0.237 χ^2/NDF: 14021.2/20

All: 1107.290+/-0.167 χ^2/NDF: 23298.1/43

- sign 1107.488+/-0.236 χ^2/NDF: 9275.4/22

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1798.971+/-760.244 χ^2/NDF:2.5/4

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

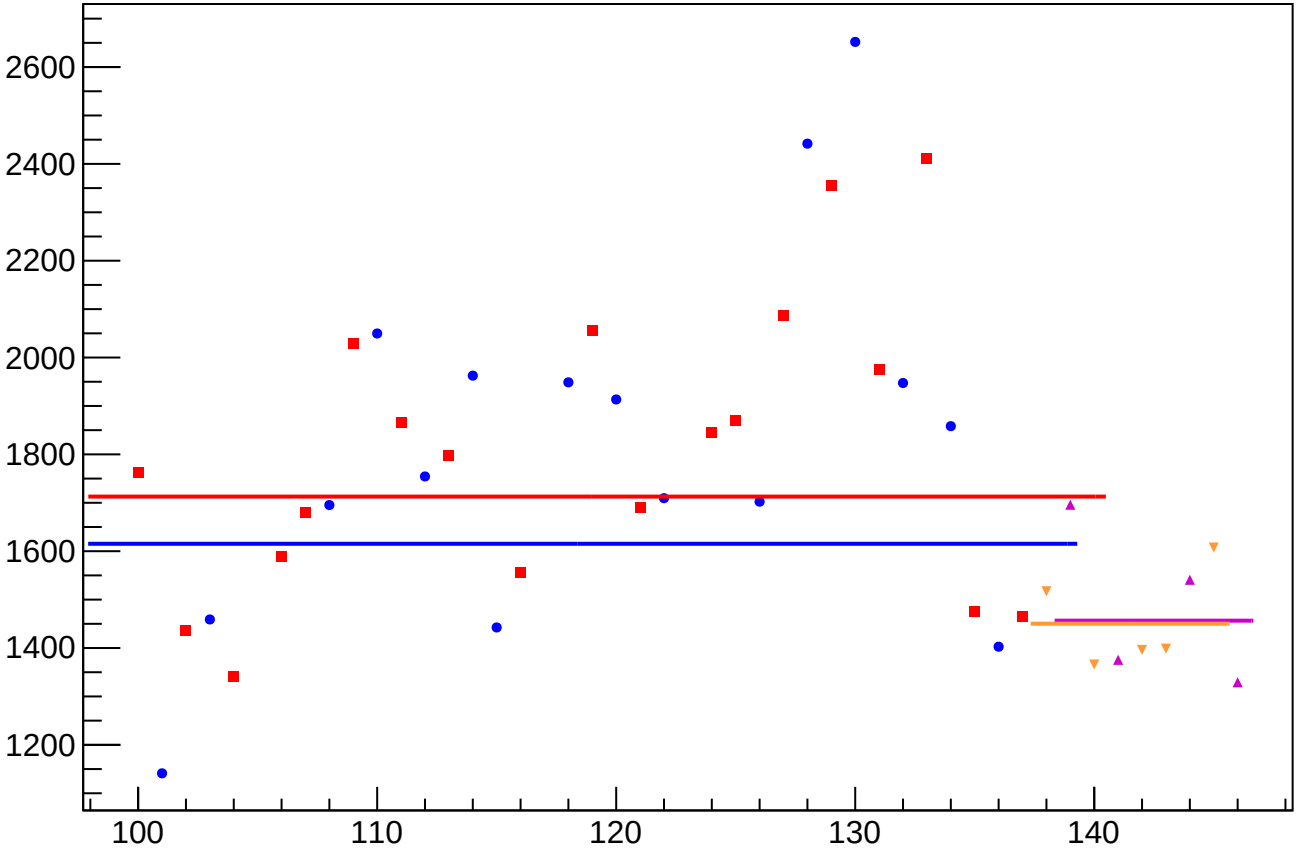
Left In: -76.767+/-781.740 χ^2/NDF:1.6/3

+ sign 773.677+/-479.590 χ^2/NDF: 22.4/20

All: 609.933+/-344.036 χ^2/NDF: 40.0/43

- sign 436.340+/-493.801 χ^2/NDF: 17.3/22

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1450.274+/-0.538 χ^2/NDF:28297.0/4

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

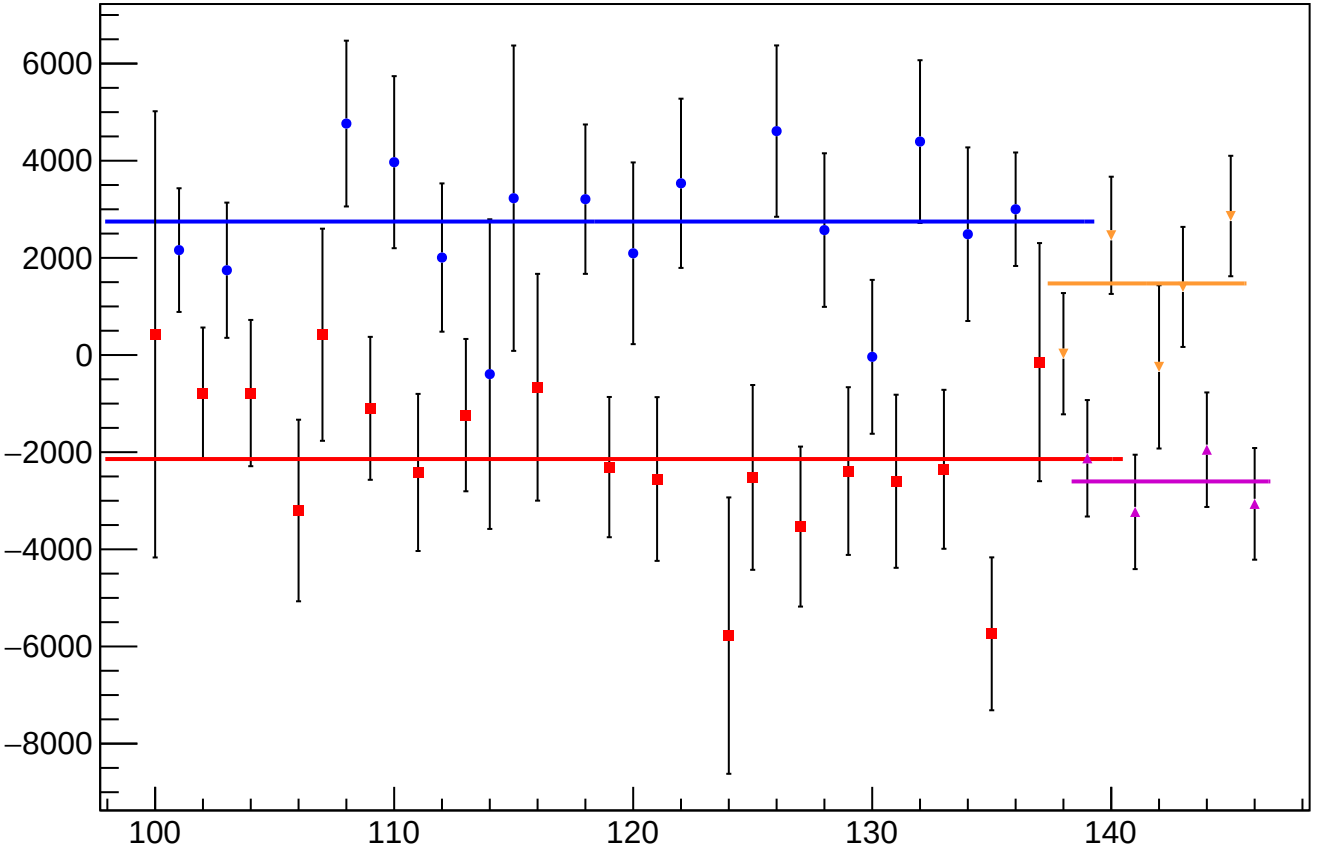
Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

+ sign 1549.637+/-0.339 χ^2/NDF: 778673.5/20

All: 1579.203+/-0.243 χ^2/NDF: 1412931.2/43

- sign 1610.548+/-0.349 χ^2/NDF: 618597.6/22

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1473.633+/-578.504 χ^2/NDF:4.3/4

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

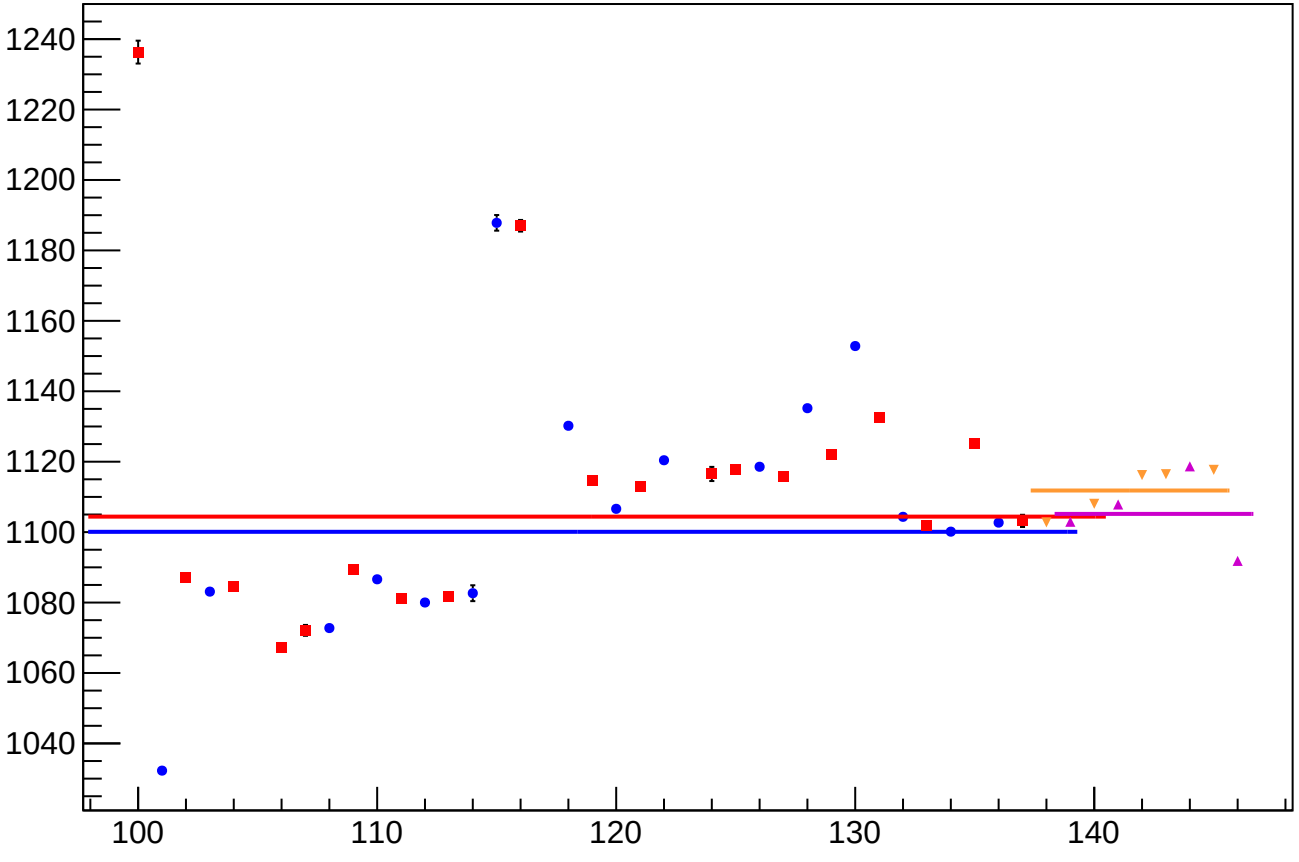
Left In: -2602.411+/-587.901 χ^2/NDF:0.9/3

+ sign 2323.592+/-333.834 χ^2/NDF: 17.1/20

All: 6.796+/-235.505 χ^2/NDF: 127.8/43

- sign -2288.514+/-332.282 χ^2/NDF: 14.9/22

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1111.818+/-0.409 χ^2/NDF:210.9/4

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

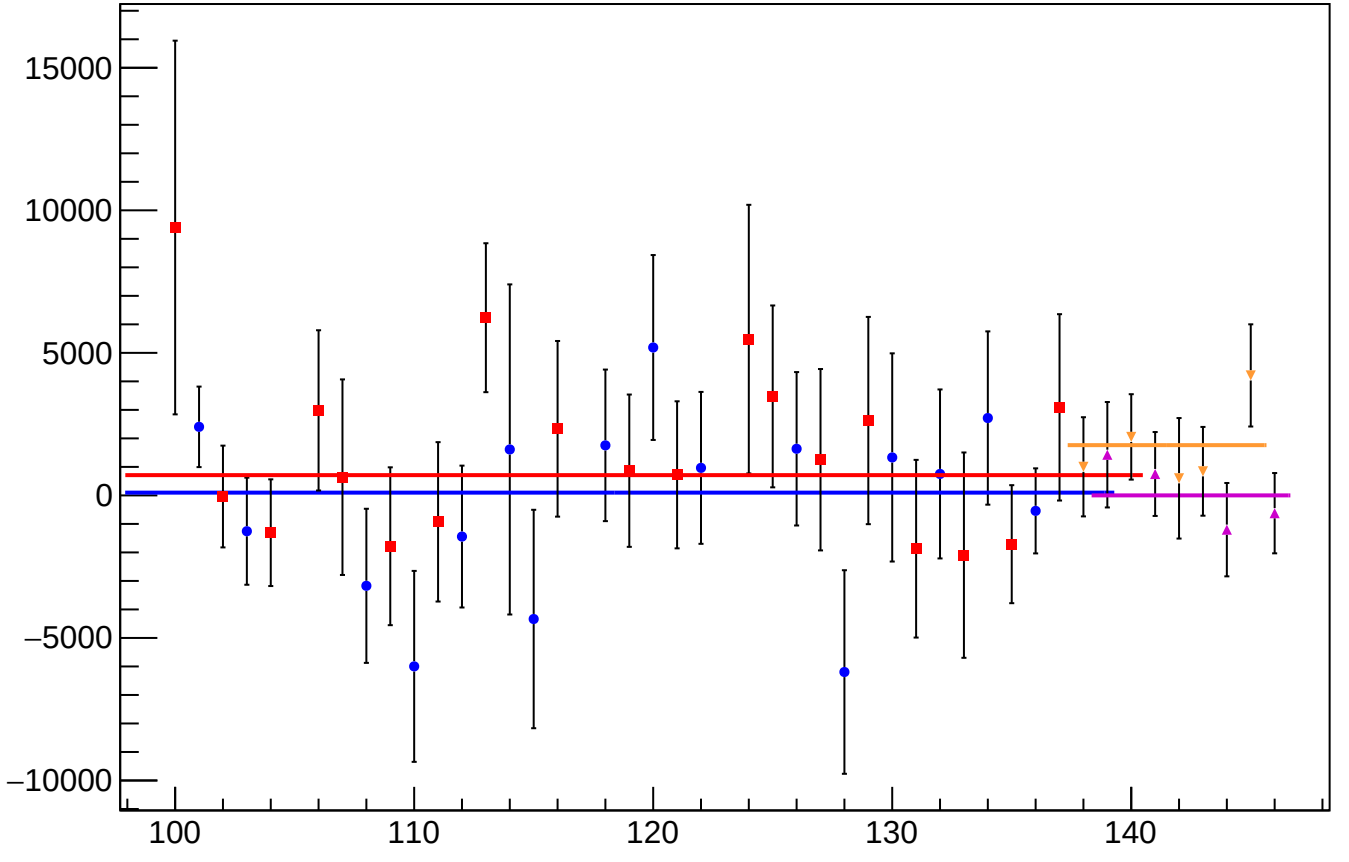
Left In: 1105.175+/-0.416 χ^2/NDF:549.1/3

+ sign 1103.996+/-0.236 χ^2/NDF: 13836.3/20

All: 1104.324+/-0.167 χ^2/NDF: 22935.1/43

- sign 1104.650+/-0.235 χ^2/NDF: 9094.9/22

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1762.935+/-761.652 χ^2/NDF:2.7/4

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

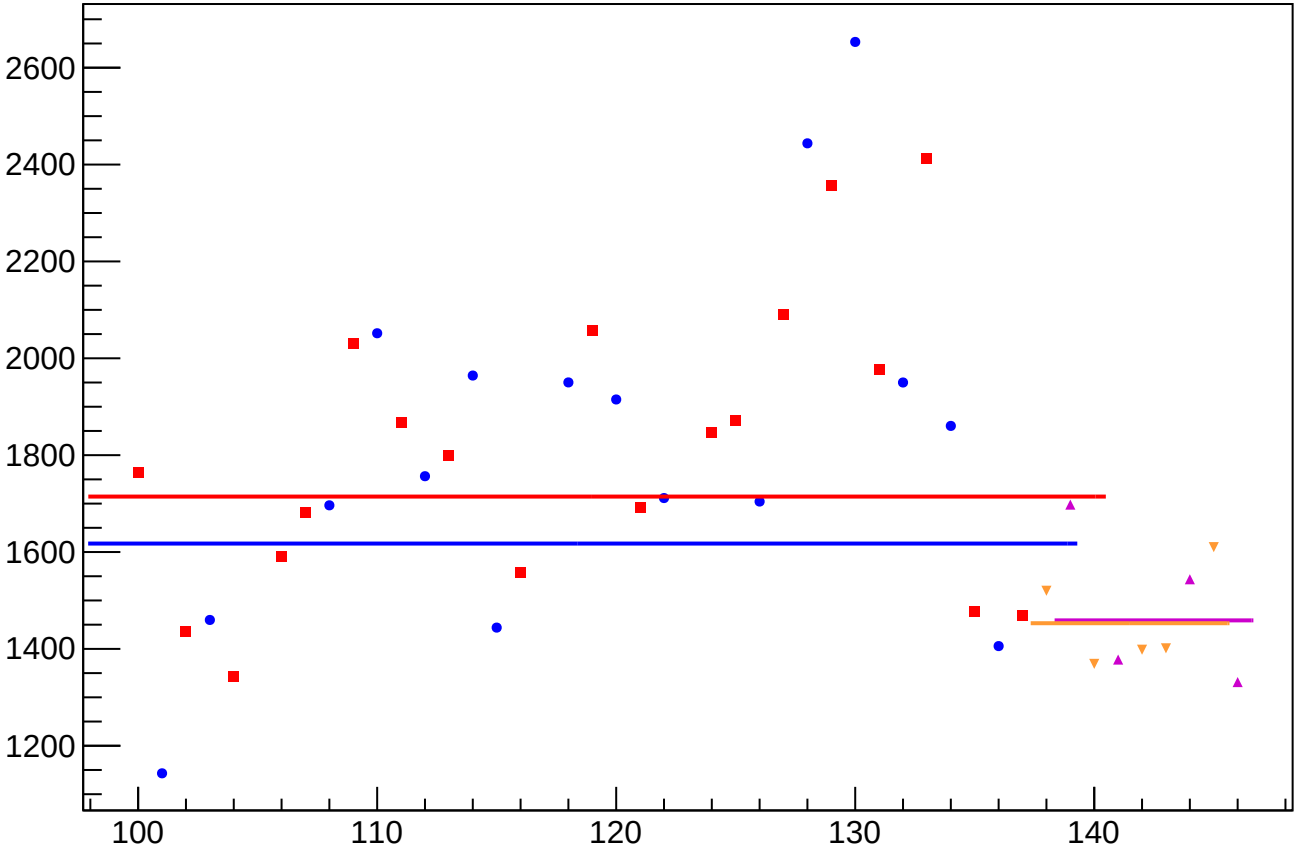
Left In: 0.807+/-782.969 χ^2/NDF:1.6/3

\+ sign 759.760+/-480.308 χ^2/NDF: 22.9/20

All: 598.678+/-344.503 χ^2/NDF: 40.1/43

\- sign 428.005+/-494.400 χ^2/NDF: 17.0/22

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1453.008+/-0.539 χ^2/NDF:28161.7/4

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

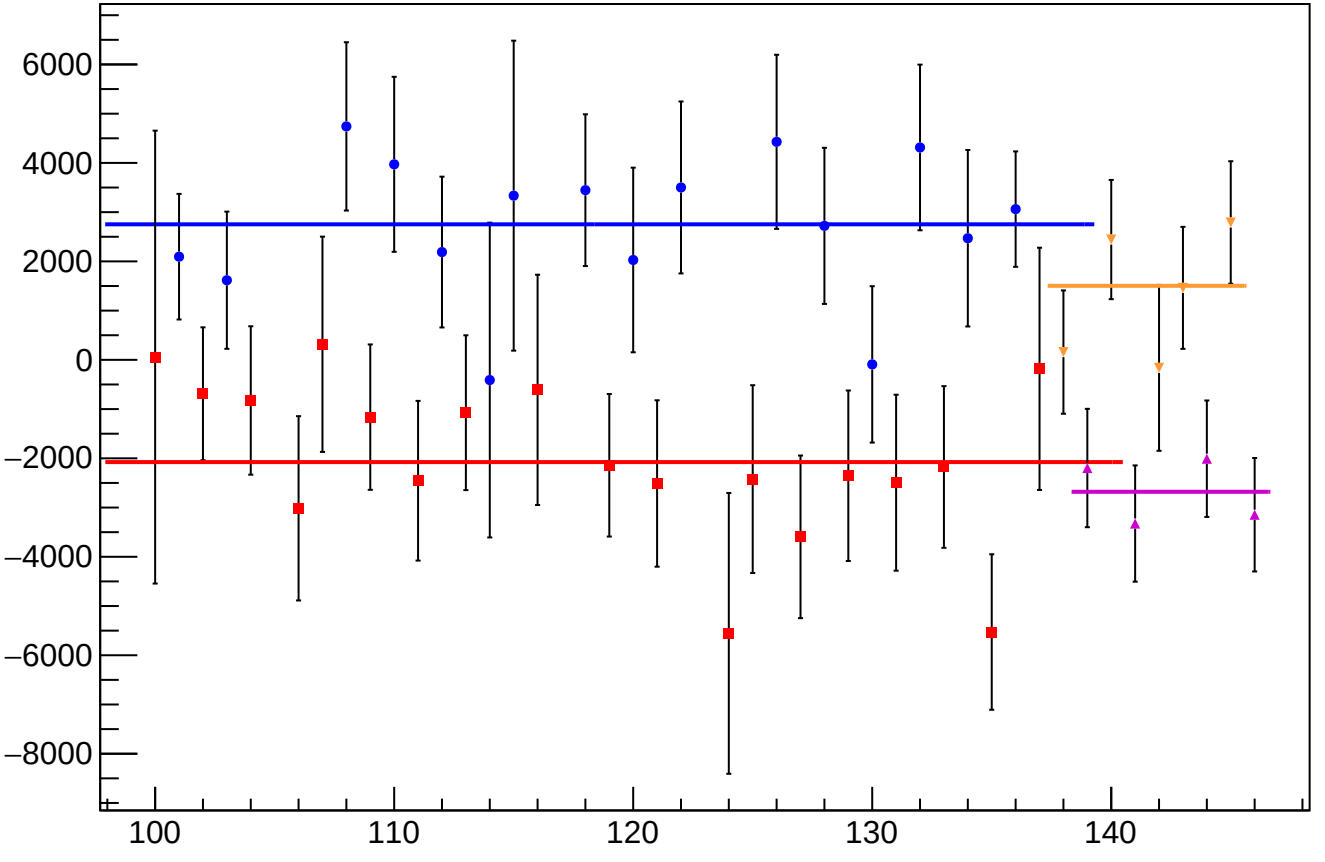
Left In: 1458.874+/-0.554 χ^2/NDF:61193.8/3

+ sign 1552.081+/-0.340 χ^2/NDF: 776068.1/20

All: 1581.456+/-0.244 χ^2/NDF: 1408570.2/43

- sign 1612.581+/-0.350 χ^2/NDF: 617094.1/22

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1503.745+/-580.326 χ^2/NDF:3.8/4

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

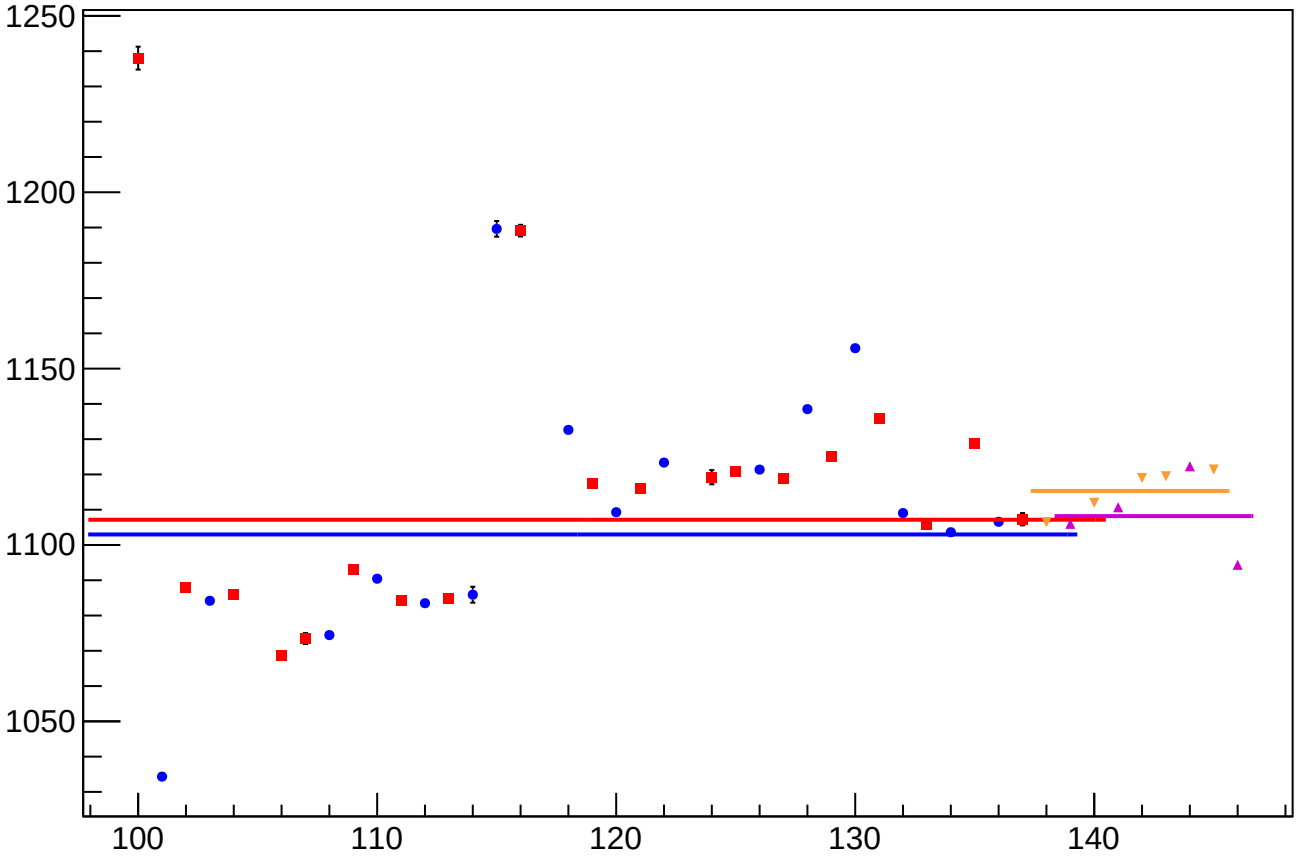
Left In: -2679.555+/-589.505 χ^2/NDF:0.9/3

+ sign 2337.360+/-334.771 χ^2/NDF: 16.4/20

All: 22.877+/-236.139 χ^2/NDF: 125.7/43

- sign -2269.068+/-333.137 χ^2/NDF: 14.2/22

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1115.318+/-0.410 χ^2/NDF:195.0/4

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

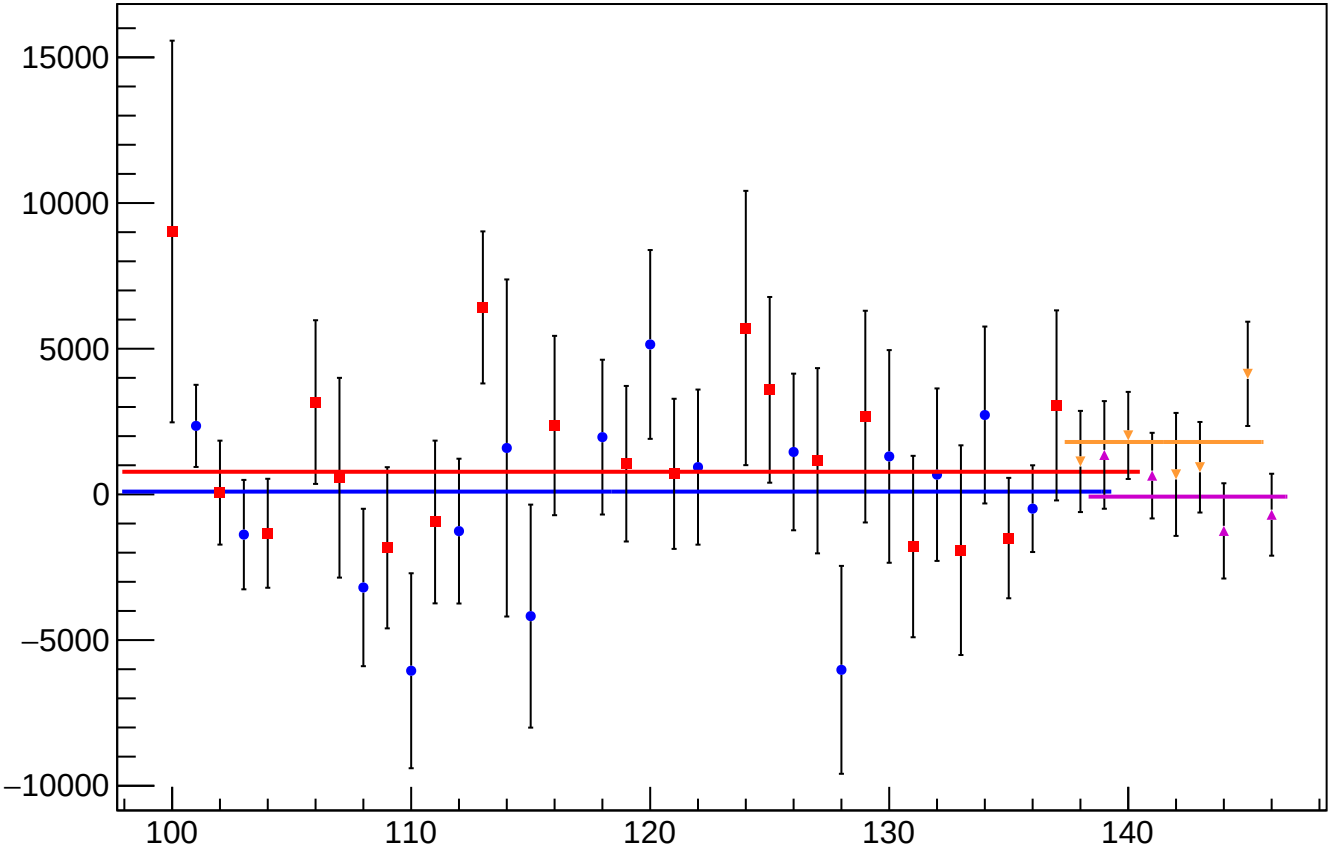
Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

+ sign 1107.091+/-0.237 χ^2/NDF: 14021.2/20

All: 1107.290+/-0.167 χ^2/NDF: 23298.1/43

- sign 1107.488+/-0.236 χ^2/NDF: 9275.4/22

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1798.971+/-760.244 χ^2/NDF:2.5/4

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

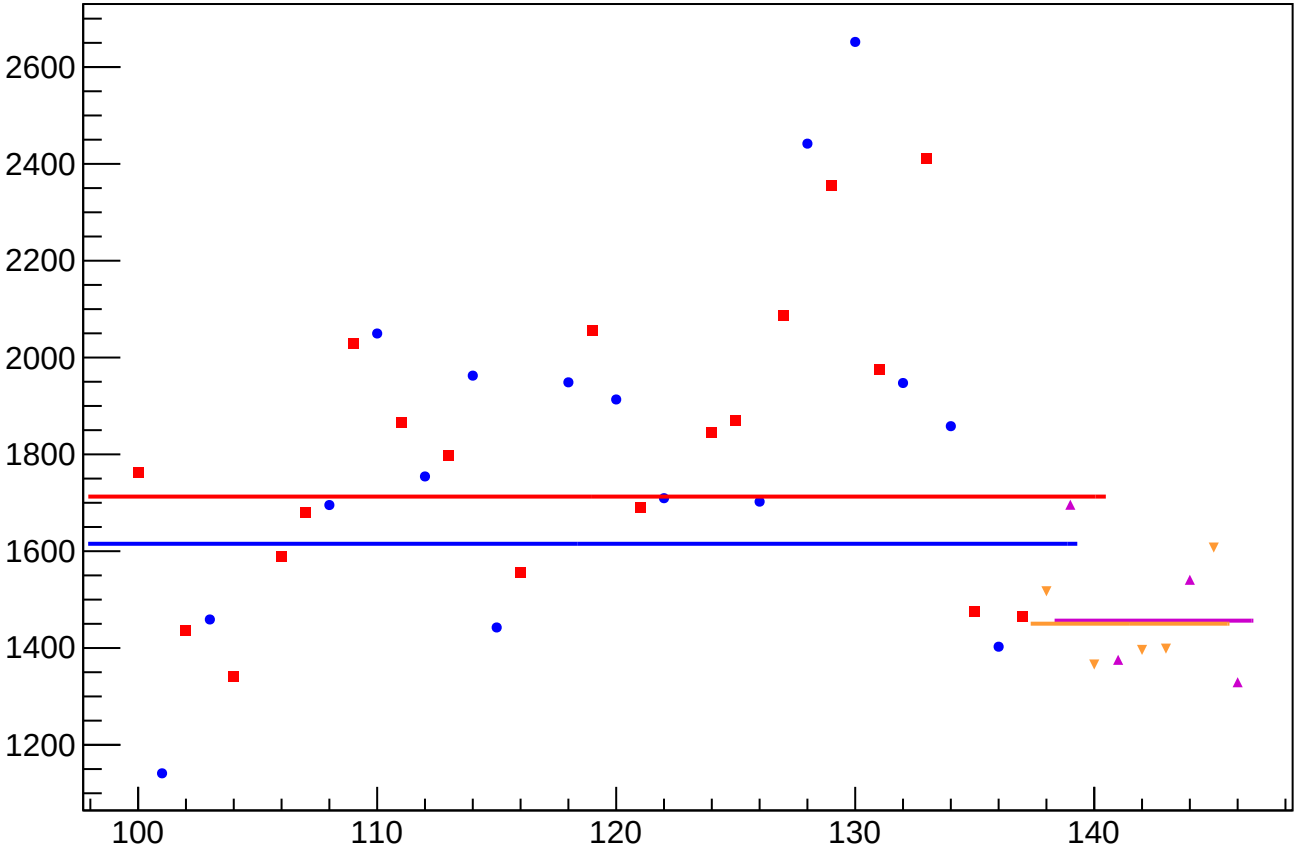
Left In: -76.767+/-781.740 χ^2/NDF:1.6/3

\+ sign 773.677+/-479.590 χ^2/NDF: 22.4/20

All: 609.933+/-344.036 χ^2/NDF: 40.0/43

\- sign 436.340+/-493.801 χ^2/NDF: 17.3/22

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1450.274+/-0.538 χ^2/NDF:28297.0/4

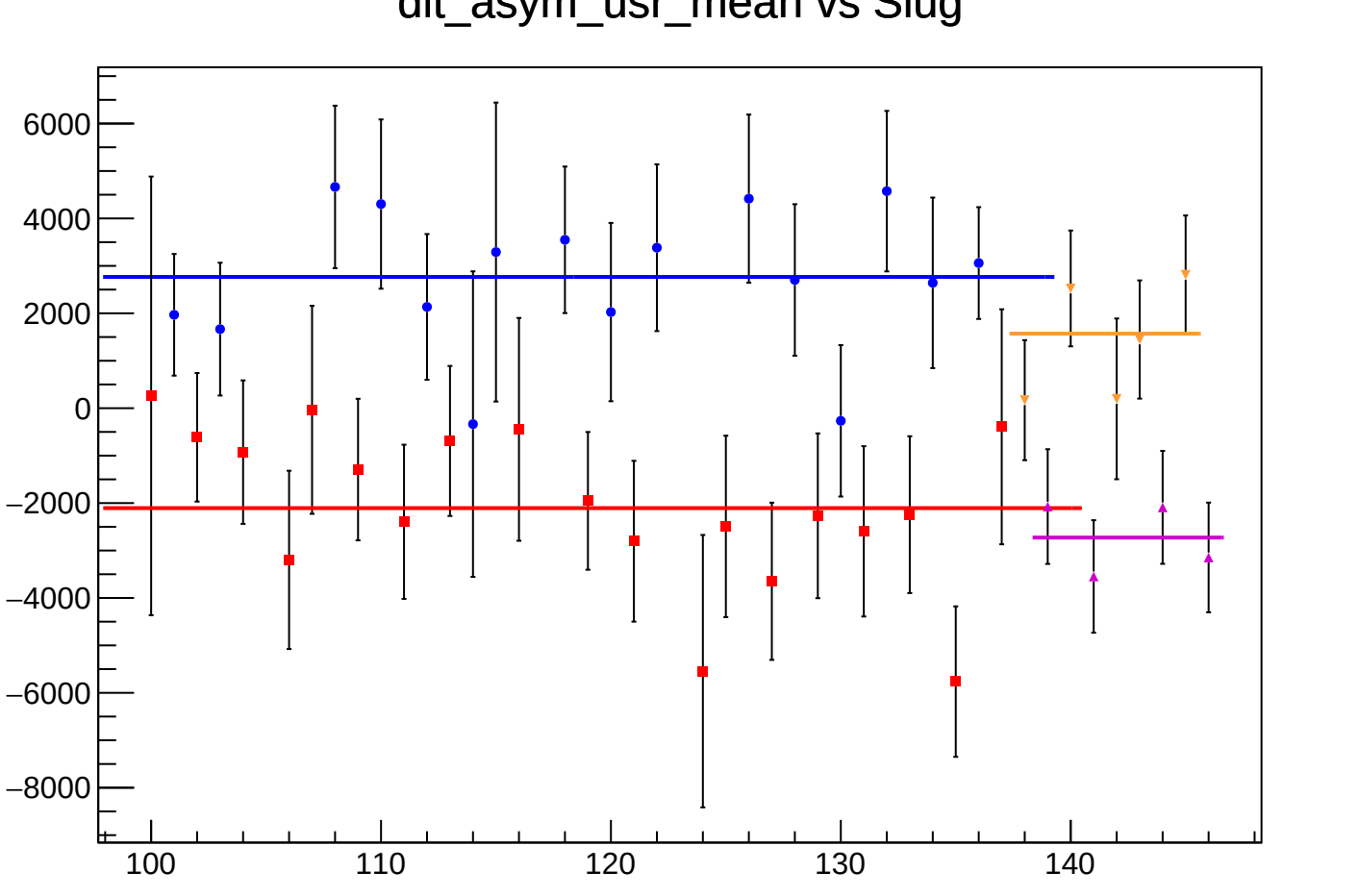
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

+ sign 1549.637+/-0.339 χ^2/NDF: 778673.5/20

All: 1579.203+/-0.243 χ^2/NDF: 1412931.2/43

- sign 1610.548+/-0.349 χ^2/NDF: 618597.6/22



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1570.829+/-584.425 χ^2/NDF:3.5/4

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

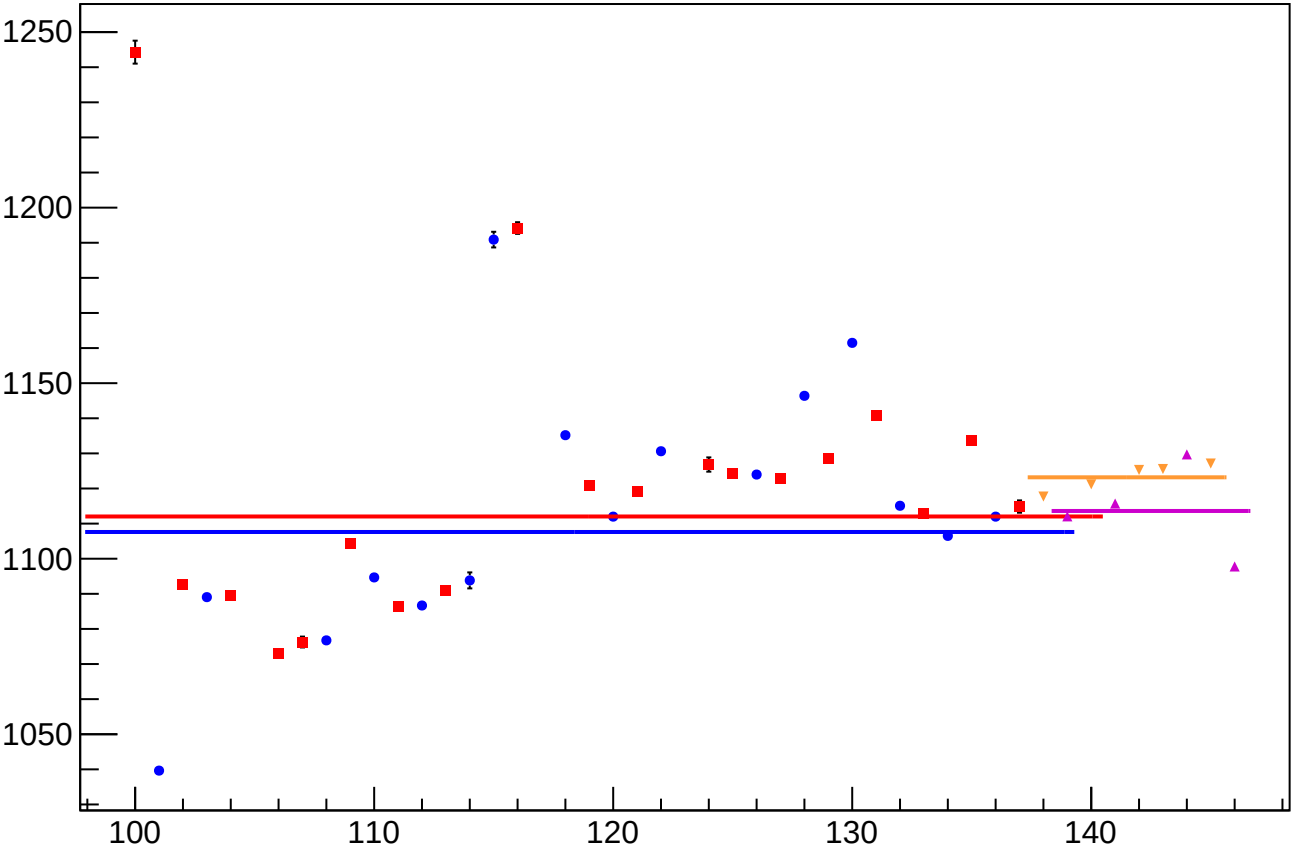
Left In: -2727.042+/-592.406 χ^2/NDF:1.2/3

+ sign 2370.219+/-336.497 χ^2/NDF: 16.6/20

All: 20.132+/-237.289 χ^2/NDF: 128.9/43

- sign -2304.444+/-334.666 χ^2/NDF: 15.3/22

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1123.187+/-0.413 χ^2/NDF:72.8/4

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

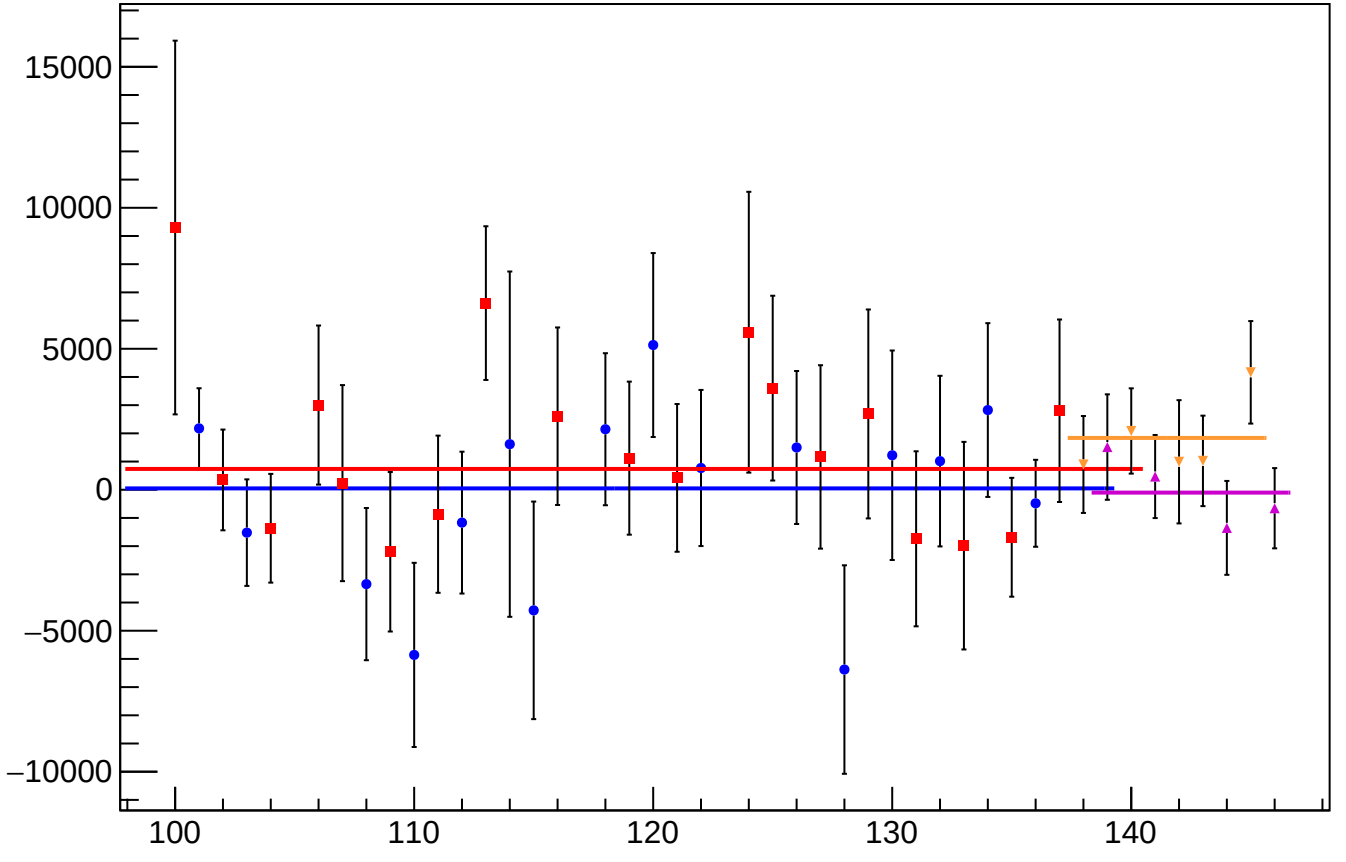
Left In: 1113.599+/-0.419 χ^2/NDF:750.2/3

+ sign 1112.776+/-0.238 χ^2/NDF: 14243.0/20

All: 1112.653+/-0.168 χ^2/NDF: 23656.7/43

- sign 1112.530+/-0.237 χ^2/NDF: 9413.2/22

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1837.631+/-772.365 χ^2/NDF:2.4/4

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

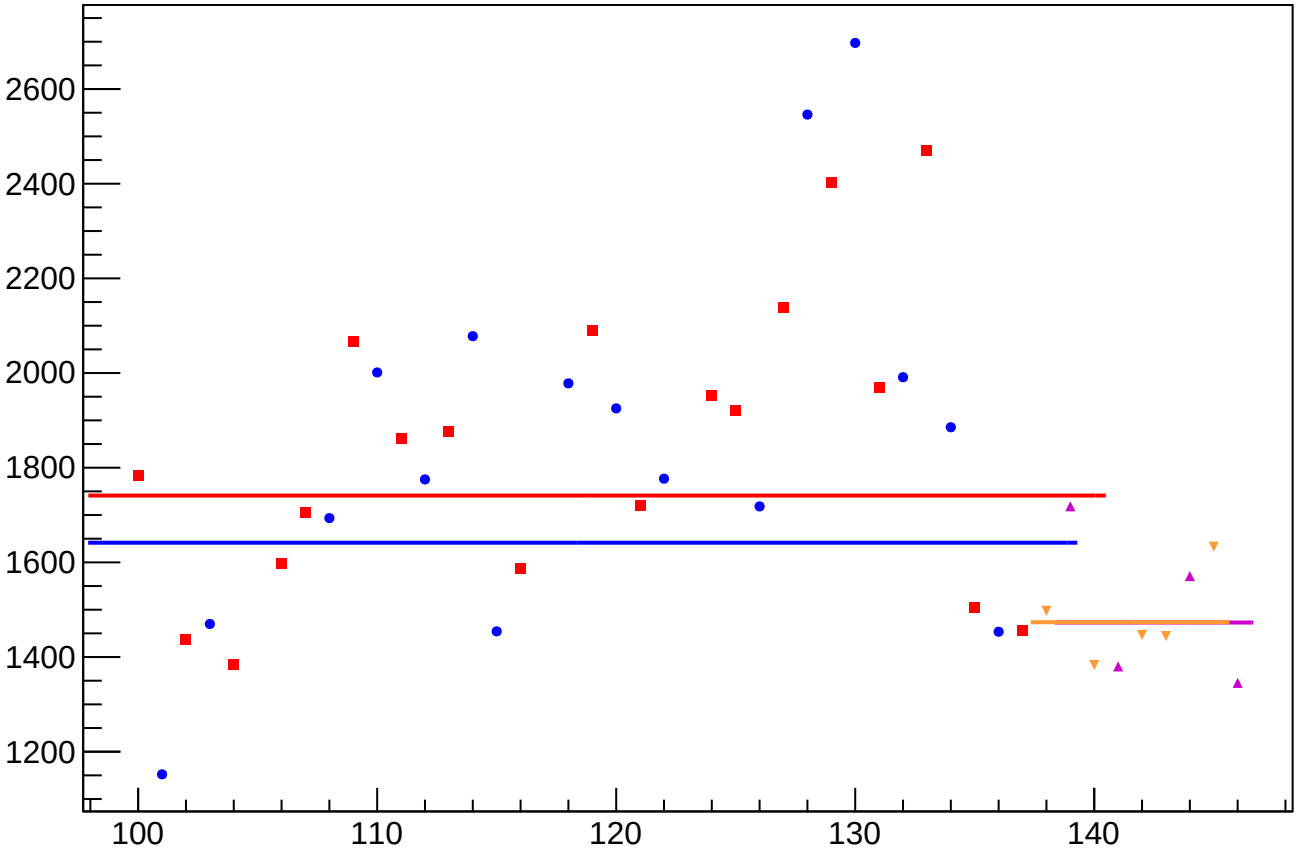
Left In: -101.434+/-790.243 χ^2/NDF:1.6/3

\+ sign 760.233+/-487.288 χ^2/NDF: 22.5/20

All: 585.466+/-349.306 χ^2/NDF: 40.0/43

\- sign 400.737+/-500.983 χ^2/NDF: 17.2/22

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1473.564+/-0.546 χ^2/NDF:23911.1/4

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

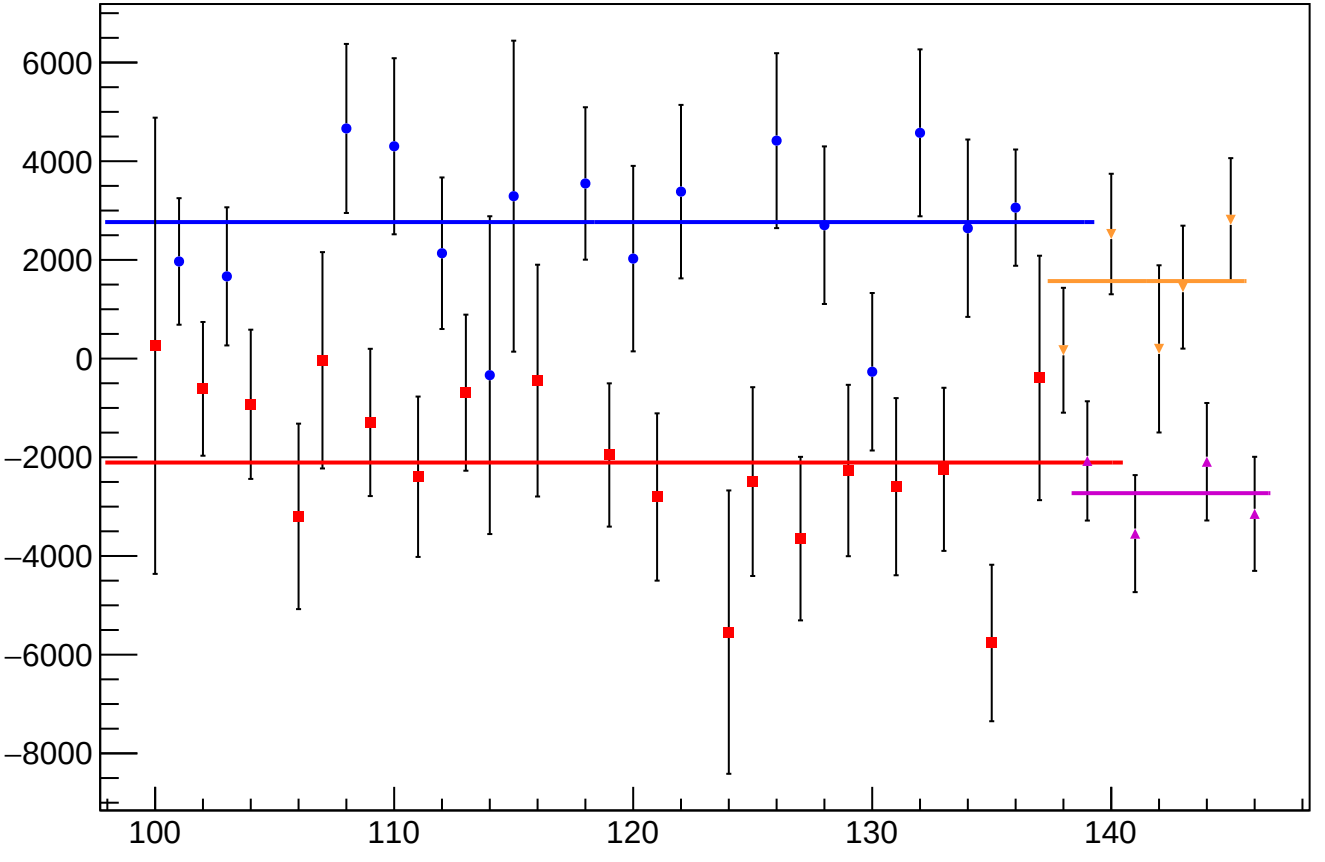
Left In: 1472.913+/-0.559 χ^2/NDF:65422.9/3

+ sign 1574.678+/-0.345 χ^2/NDF: 782164.9/20

All: 1603.213+/-0.247 χ^2/NDF: 1437904.2/43

- sign 1633.374+/-0.354 χ^2/NDF: 641631.9/22

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1570.832+/-584.425 χ^2/NDF:3.5/4

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

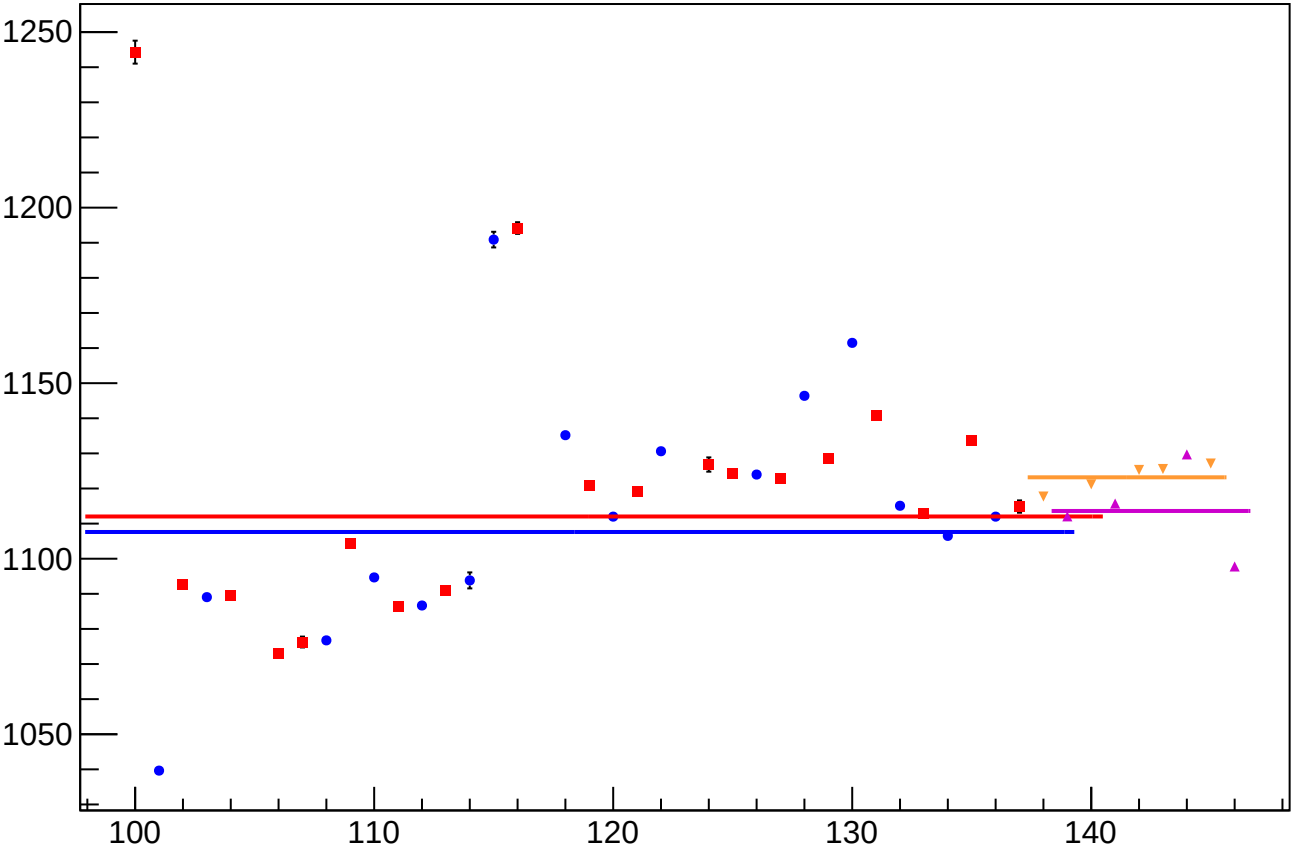
Left In: -2727.039+/-592.406 χ^2/NDF:1.2/3

+ sign 2370.220+/-336.497 χ^2/NDF: 16.6/20

All: 20.132+/-237.289 χ^2/NDF: 128.9/43

- sign -2304.444+/-334.666 χ^2/NDF: 15.3/22

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1123.187+/-0.413 χ^2/NDF:72.8/4

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

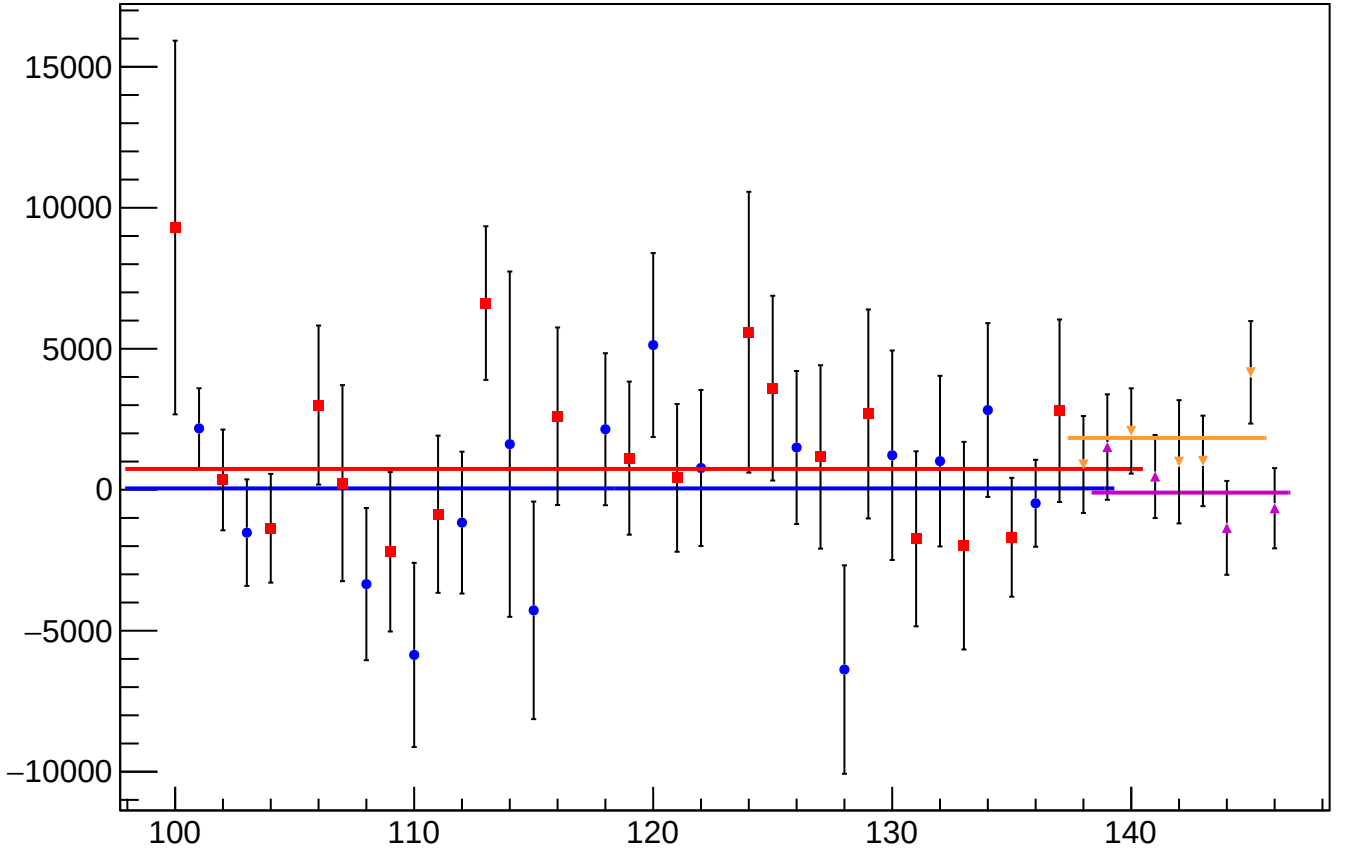
Left In: 1113.599+/-0.419 χ^2/NDF:750.2/3

+ sign 1112.776+/-0.238 χ^2/NDF: 14242.9/20

All: 1112.652+/-0.168 χ^2/NDF: 23656.7/43

- sign 1112.530+/-0.237 χ^2/NDF: 9413.3/22

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1837.634+/-772.367 χ^2/NDF:2.4/4

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

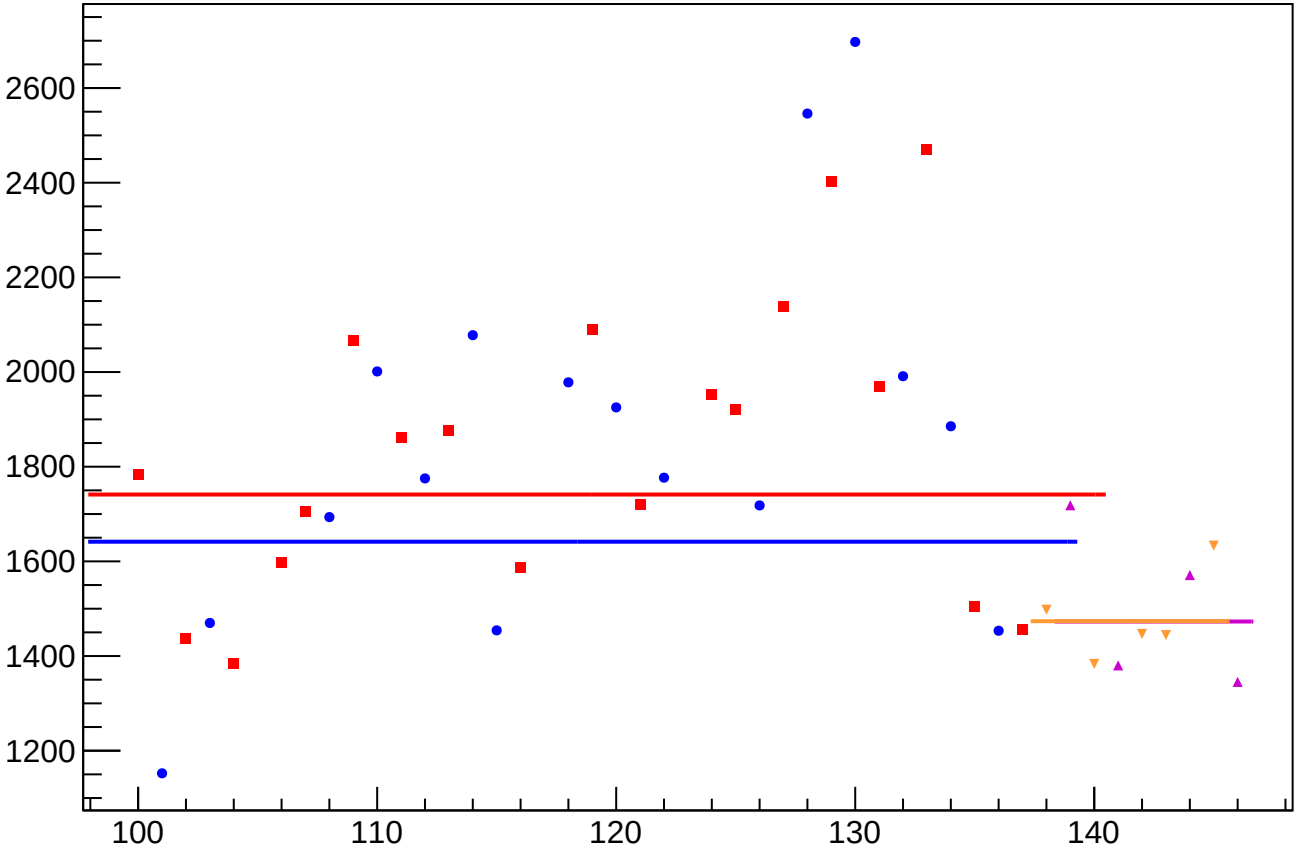
Left In: -101.432+/-790.245 χ^2/NDF:1.6/3

\+ sign 760.228+/-487.288 χ^2/NDF: 22.5/20

All: 585.466+/-349.306 χ^2/NDF: 40.0/43

\- sign 400.742+/-500.983 χ^2/NDF: 17.2/22

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1473.568+/-0.546 χ^2/NDF:23911.7/4

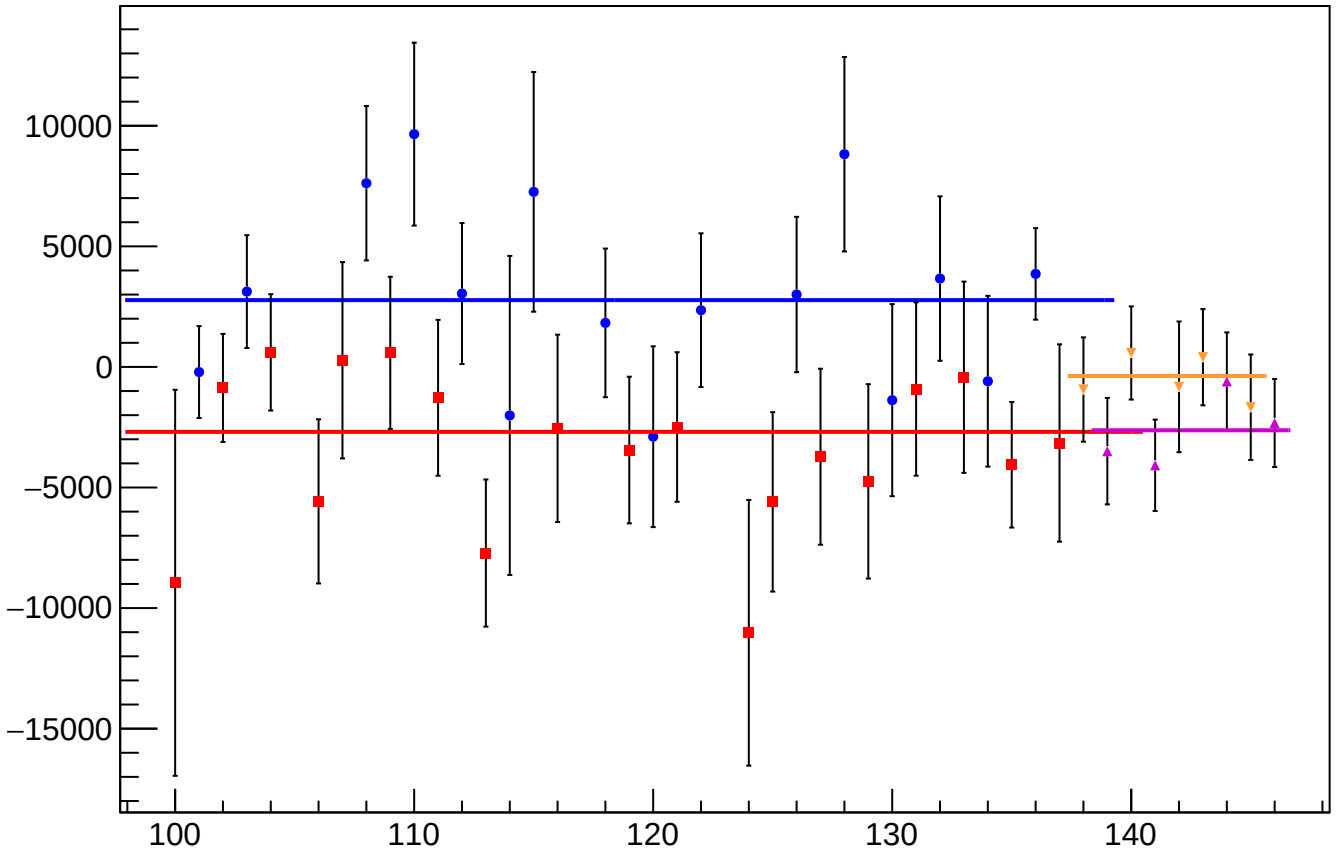
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1472.916+/-0.559 χ^2/NDF:65424.7/3

+ sign 1574.678+/-0.345 χ^2/NDF: 782149.1/20

All: 1603.214+/-0.247 χ^2/NDF: 1437872.9/43

- sign 1633.375+/-0.354 χ^2/NDF: 641616.2/22



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -376.402+/-962.945 χ^2/NDF:0.8/4

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

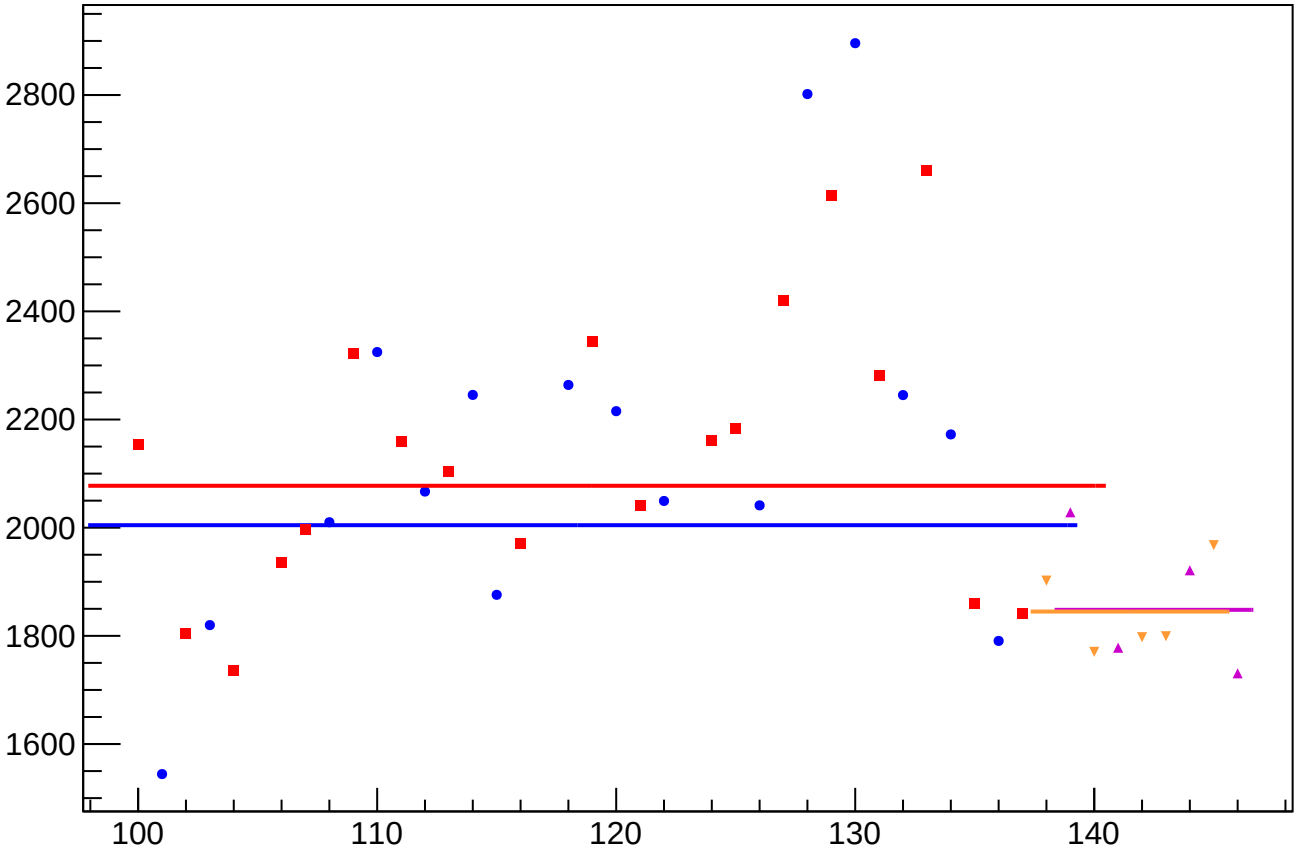
Left In: -2627.058+/-986.779 χ^2/NDF:1.8/3

+ sign 1567.978+/-595.176 χ^2/NDF: 23.9/20

All: -515.448+/-424.272 χ^2/NDF: 63.1/43

- sign -2667.981+/-604.966 χ^2/NDF: 14.3/22

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1844.954+/-0.681 χ^2/NDF:12337.1/4

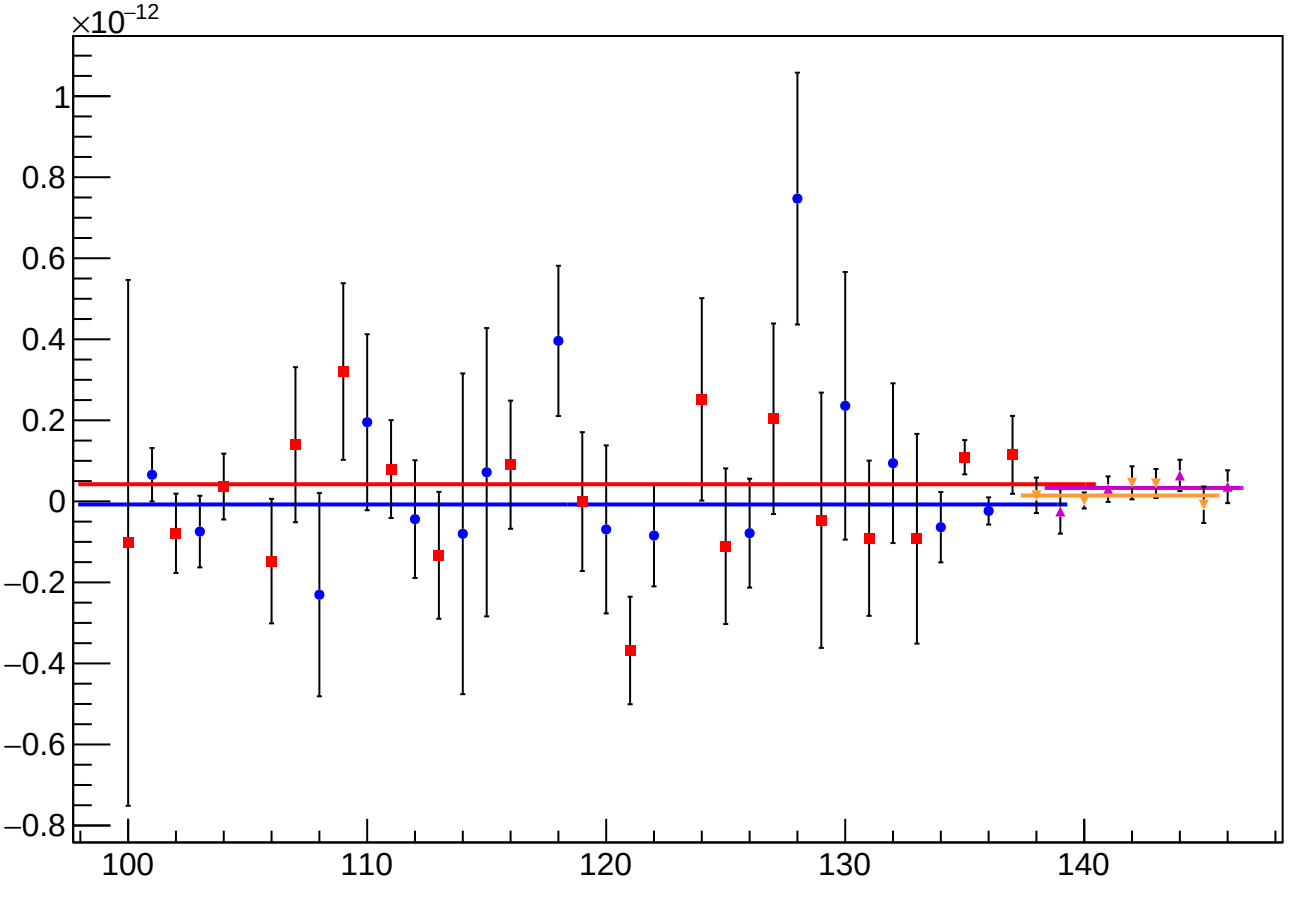
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1848.144+/-0.698 χ^2/NDF:26951.0/3

+ sign 1943.634+/-0.421 χ^2/NDF: 433891.0/20

All: 1967.076+/-0.300 χ^2/NDF: 765068.5/43

- sign 1991.295+/-0.428 χ^2/NDF: 324869.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/4

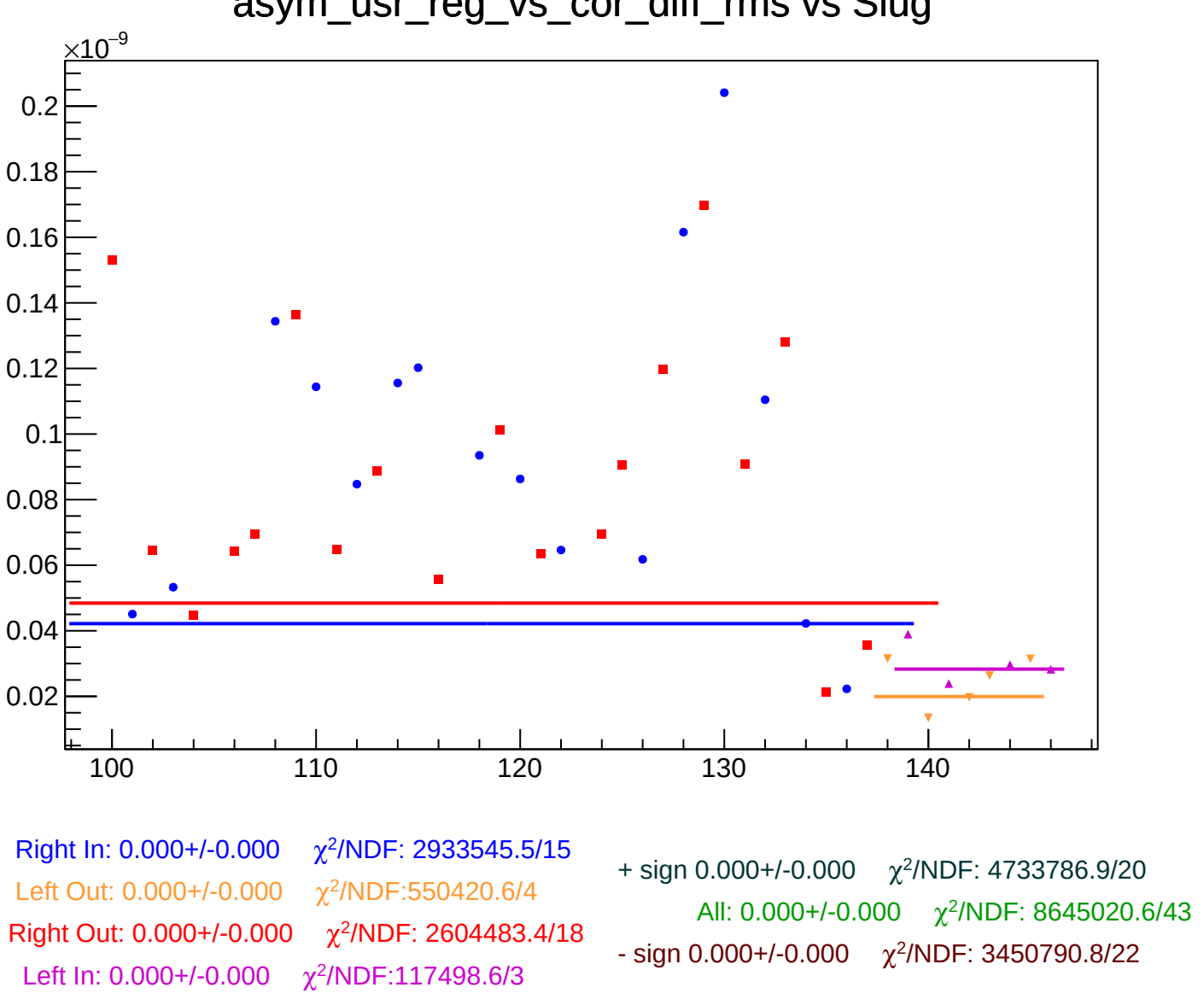
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

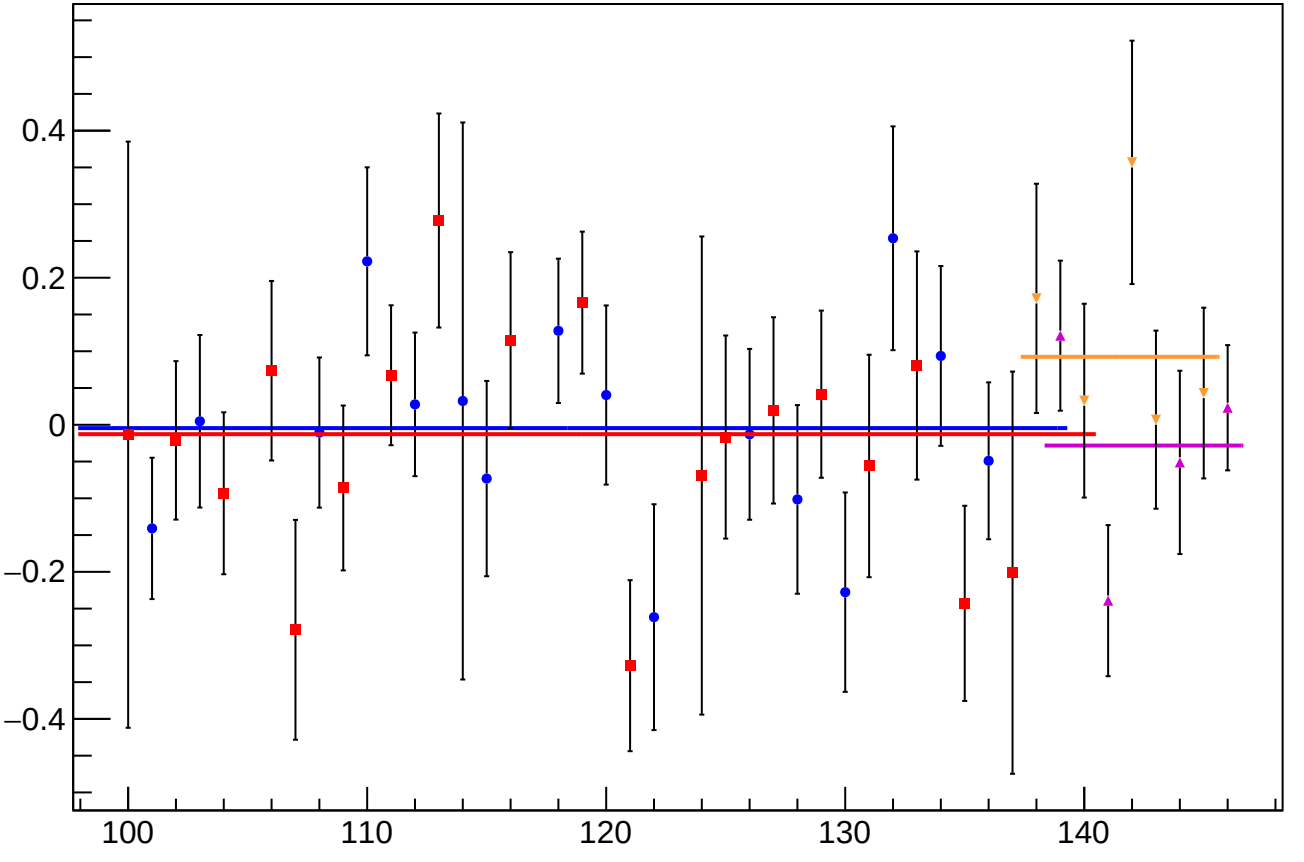
+ sign 0.000+/-0.000 χ^2/NDF: 19.0/20

All: 0.000+/-0.000 χ^2/NDF: 44.5/43

- sign 0.000+/-0.000 χ^2/NDF: 23.6/22


asym_usr_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2933545.5/15
Left Out: 0.000+/-0.000 χ²/NDF:550420.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 2604483.4/18
Left In: 0.000+/-0.000 χ²/NDF:117498.6/3
+ sign 0.000+/-0.000 χ²/NDF: 4733786.9/20
All: 0.000+/-0.000 χ²/NDF: 8645020.6/43
- sign 0.000+/-0.000 χ²/NDF: 3450790.8/22

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

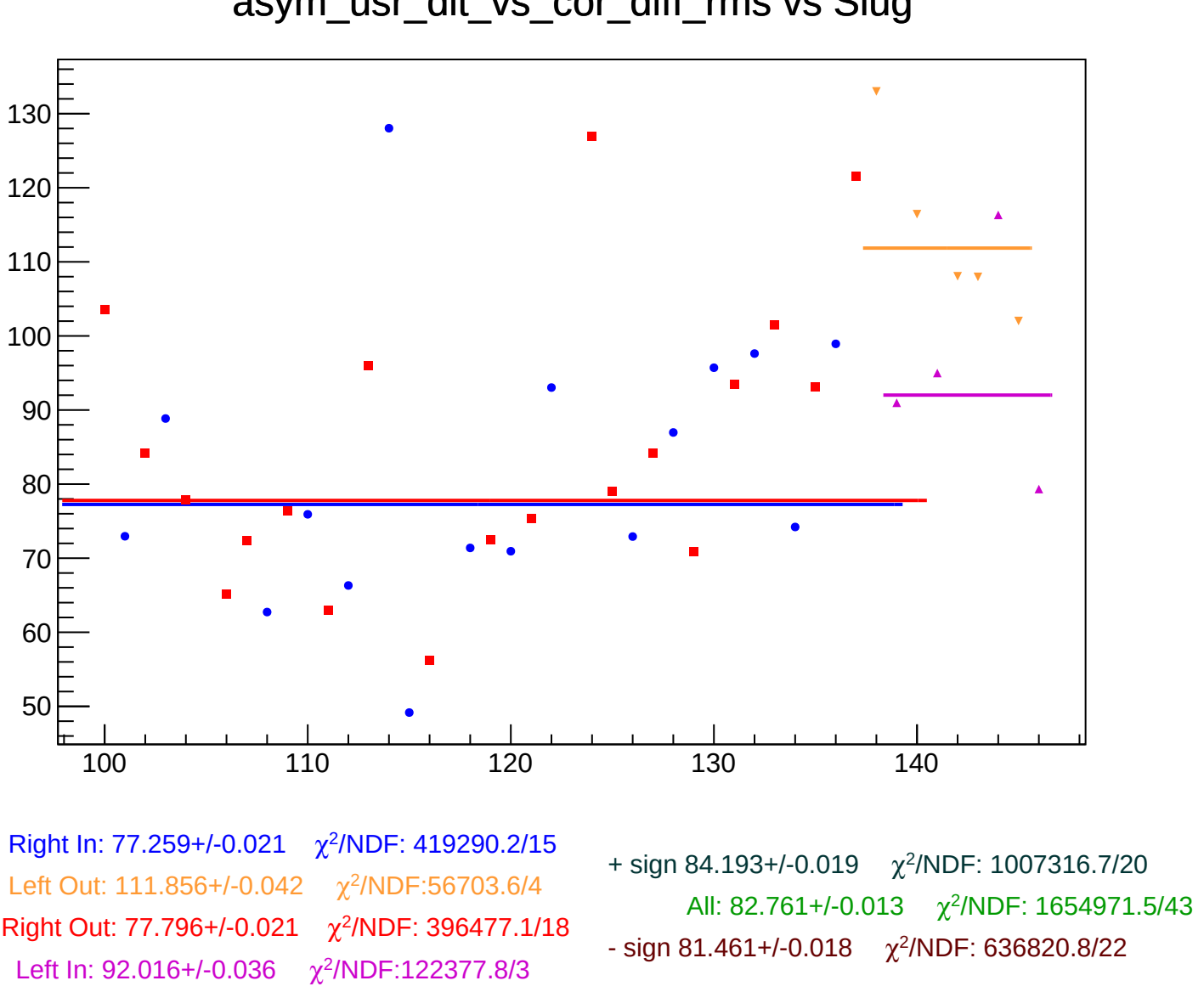
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.028+/-0.050 χ^2/NDF:6.8/3

+ sign 0.015+/-0.027 χ^2/NDF: 23.1/20

All: -0.002+/-0.019 χ^2/NDF: 56.1/43

- sign -0.017+/-0.026 χ^2/NDF: 32.3/22


asym_usr_dit_vs_cor_diff_rms vs Slug
130
120
110
100
90
80
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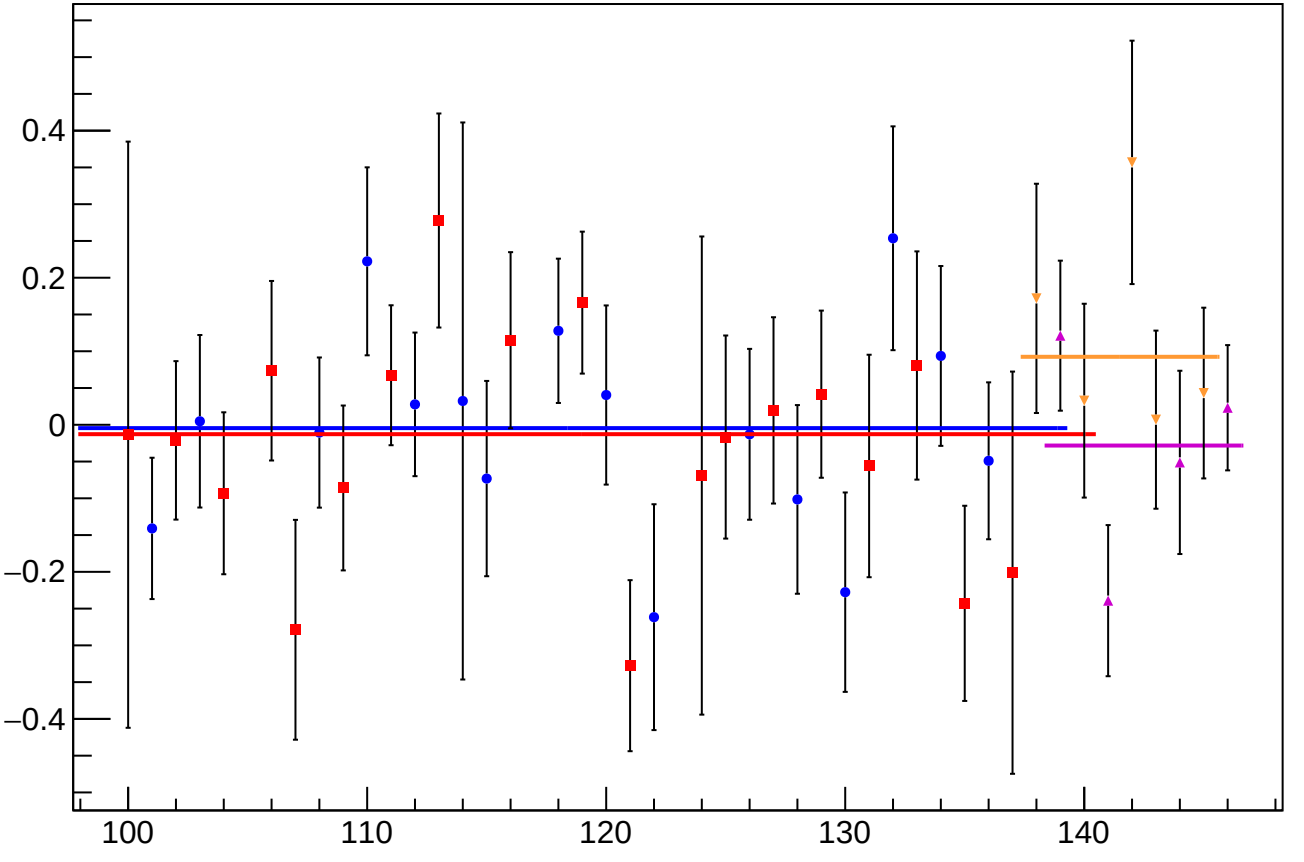
100
110
120
130
140
Right In: 77.259+/-0.021 χ²/NDF: 419290.2/15
Left Out: 111.856+/-0.042 χ²/NDF:56703.6/4
Right Out: 77.796+/-0.021 χ²/NDF: 396477.1/18
Left In: 92.016+/-0.036 χ²/NDF:122377.8/3
+ sign 84.193+/-0.019 χ²/NDF: 1007316.7/20
All: 82.761+/-0.013 χ²/NDF: 1654971.5/43
- sign 81.461+/-0.018 χ²/NDF: 636820.8/22

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

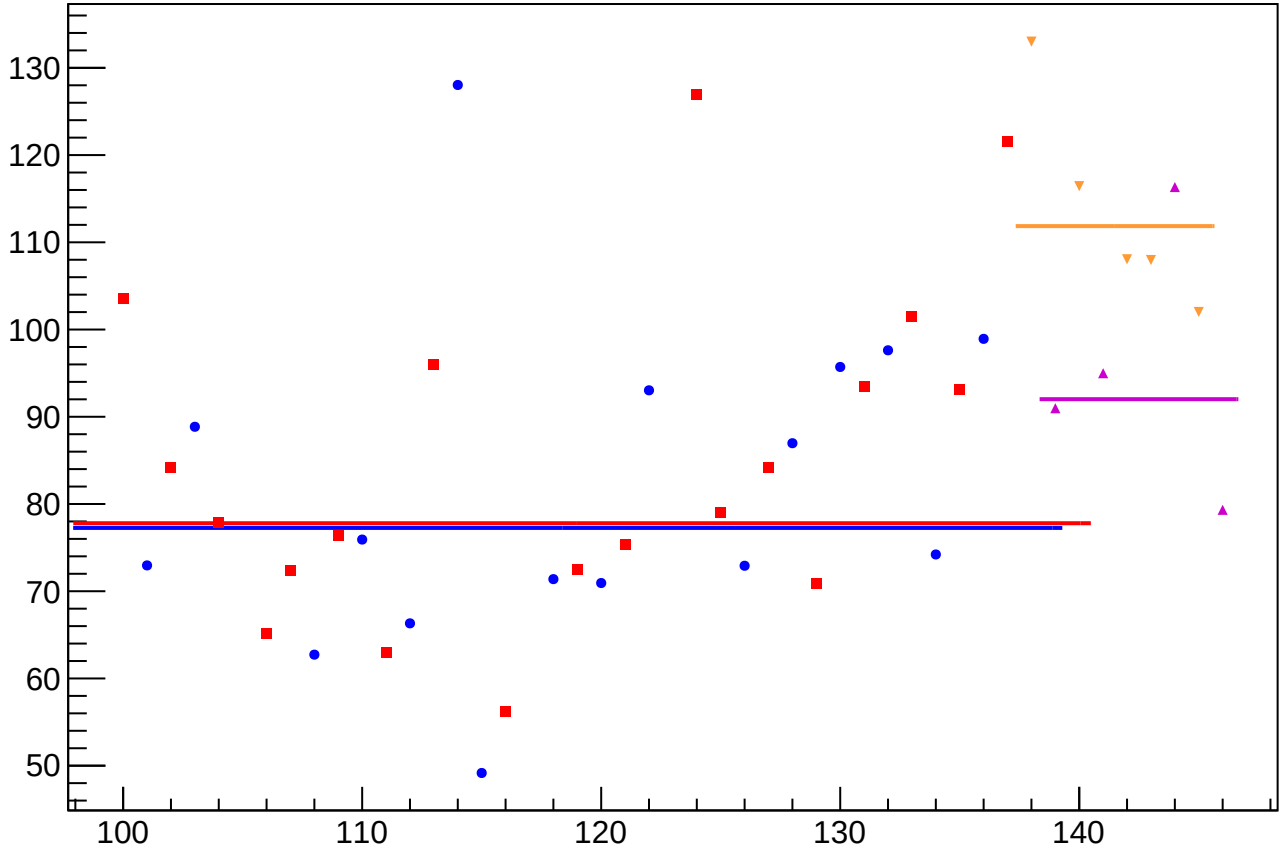
Left In: -0.028+/-0.050 χ^2/NDF:6.8/3

+ sign 0.015+/-0.027 χ^2/NDF: 23.1/20

All: -0.002+/-0.019 χ^2/NDF: 56.1/43

- sign -0.017+/-0.026 χ^2/NDF: 32.3/22

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 111.856+/-0.042 χ^2/NDF:56703.6/4

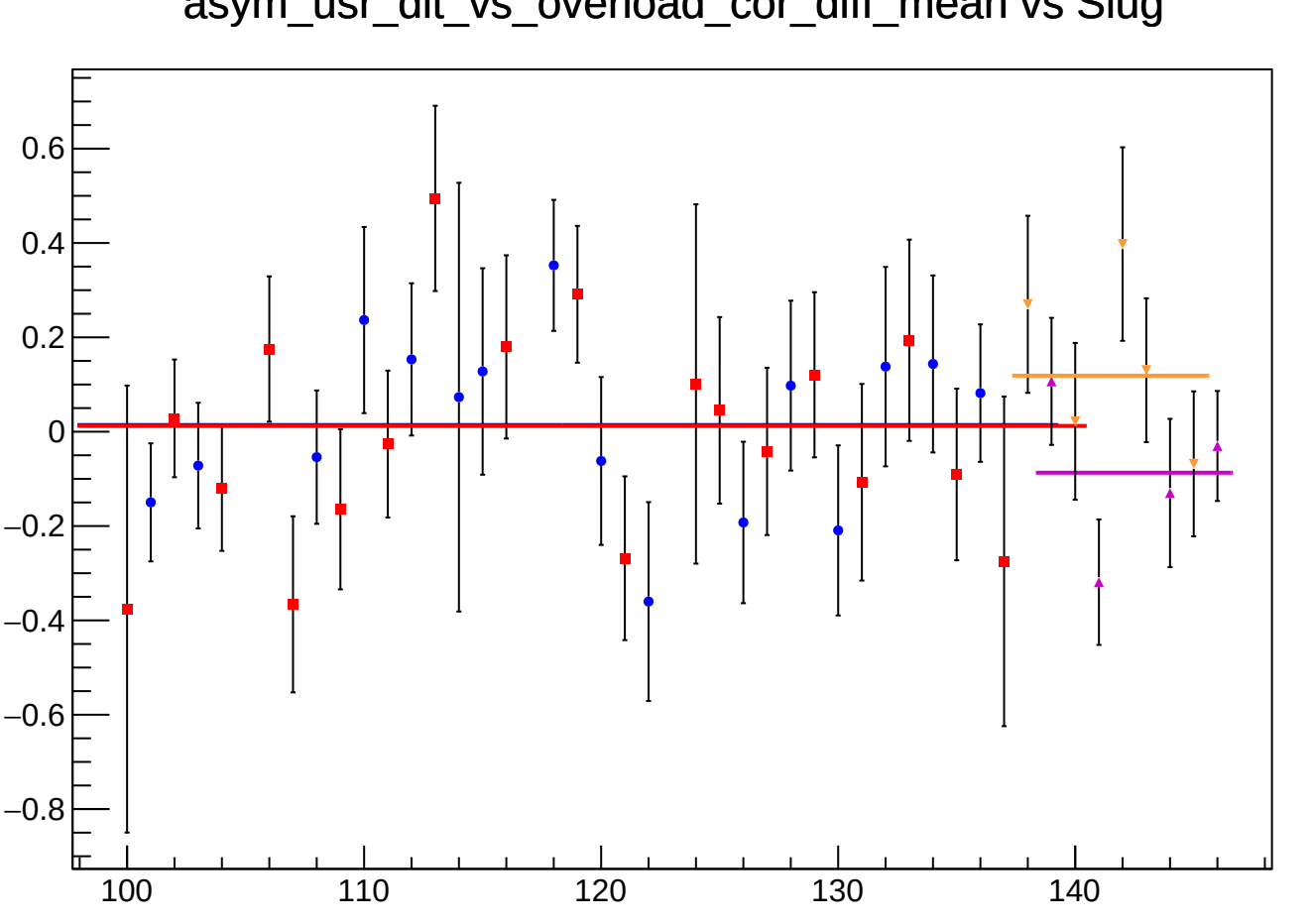
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.016+/-0.036 χ^2/NDF:122377.8/3

+ sign 84.193+/-0.019 χ^2/NDF: 1007316.7/20

All: 82.761+/-0.013 χ^2/NDF: 1654971.5/43

- sign 81.461+/-0.018 χ^2/NDF: 636820.8/22



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.119+/-0.076 χ^2/NDF:4.3/4

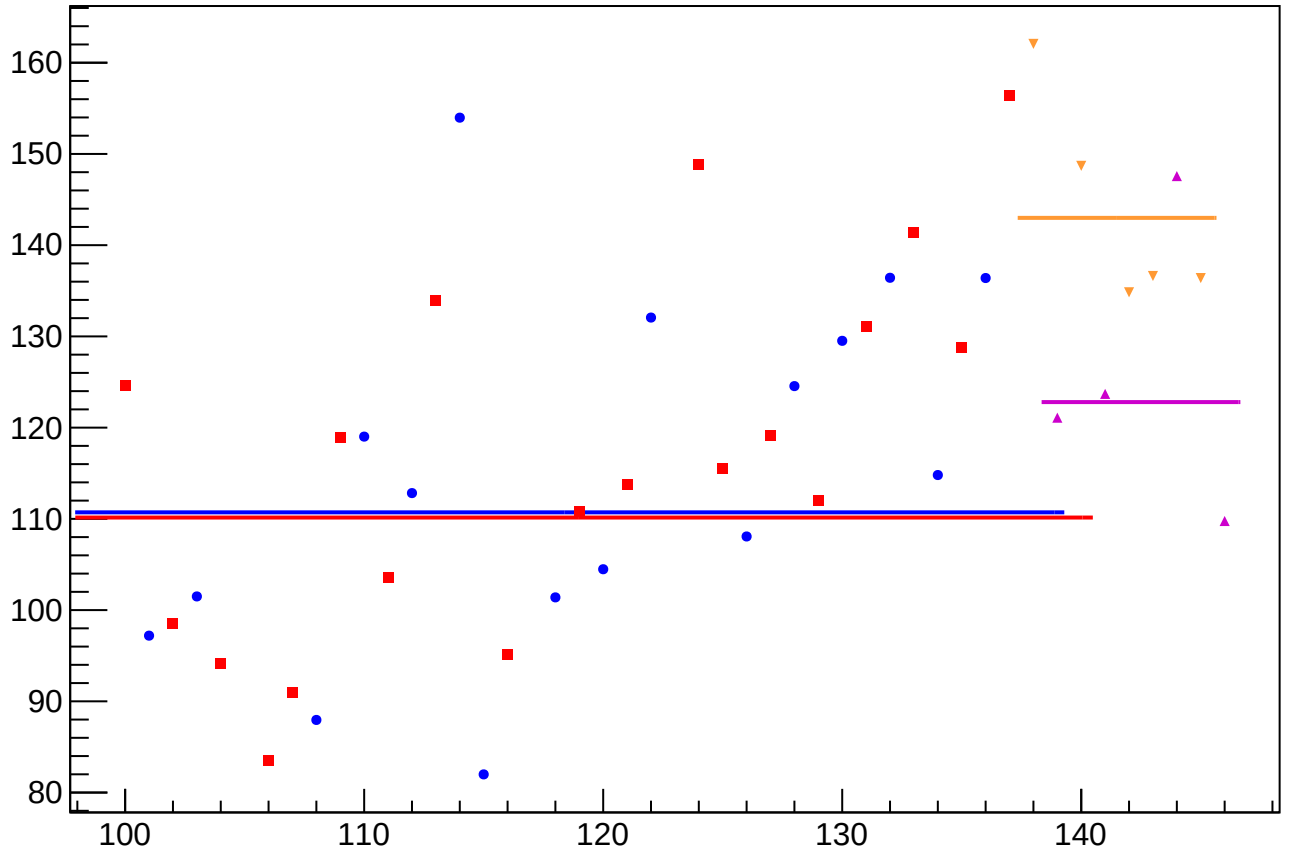
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.087+/-0.067 χ^2/NDF:5.4/3

+ sign 0.039+/-0.037 χ^2/NDF: 24.0/20

All: 0.010+/-0.025 χ^2/NDF: 55.9/43

- sign -0.015+/-0.035 χ^2/NDF: 30.8/22



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 142.994+/-0.054 χ^2/NDF:33340.9/4

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

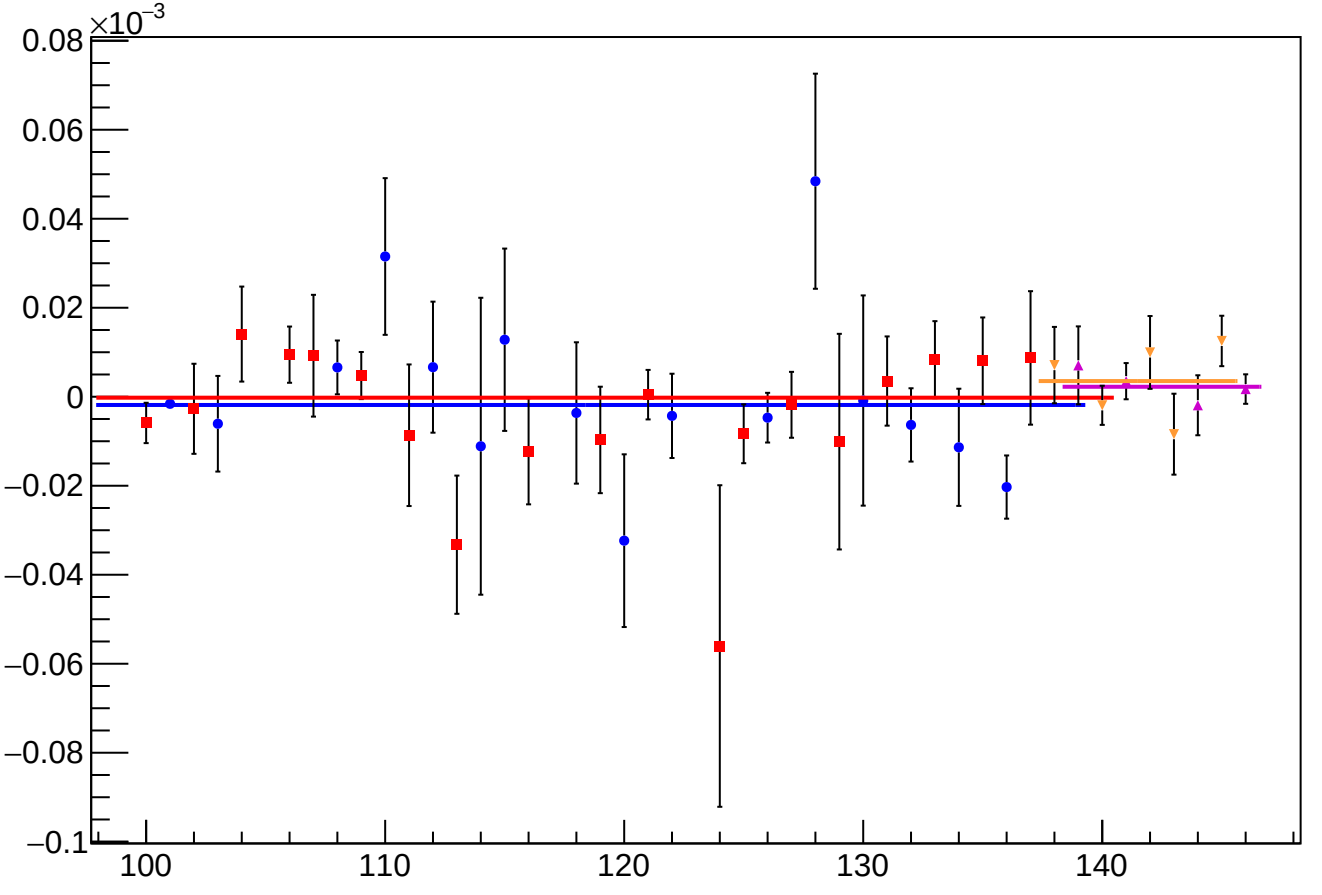
Left In: 122.800+/-0.047 χ^2/NDF:75063.5/3

+ sign 118.360+/-0.026 χ^2/NDF: 609579.7/20

All: 115.893+/-0.018 χ^2/NDF: 1080557.3/43

- sign 113.664+/-0.025 χ^2/NDF: 453982.7/22

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:6.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

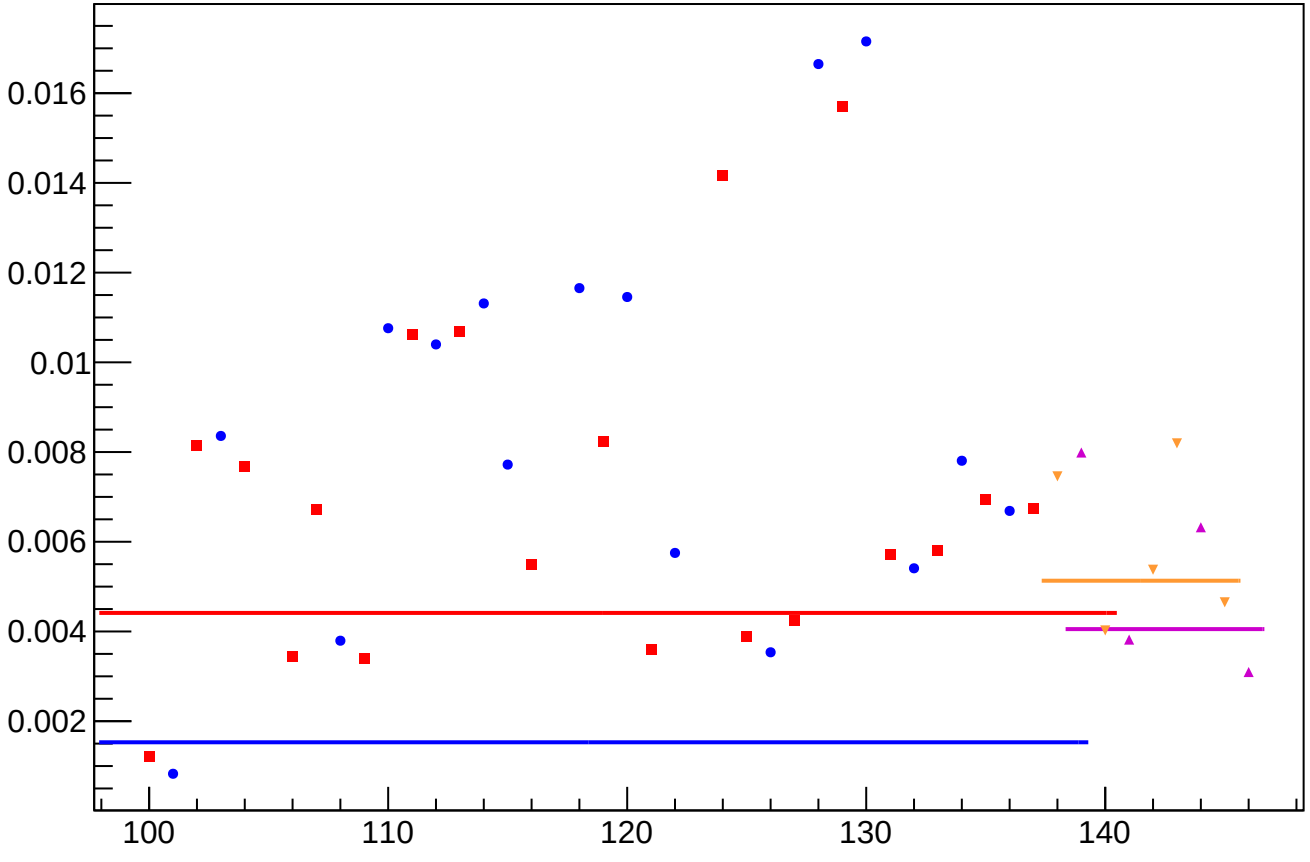
Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/20

All: -0.000+/-0.000 χ^2/NDF: 53.9/43

- sign 0.000+/-0.000 χ^2/NDF: 21.4/22

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:517045.1/4

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

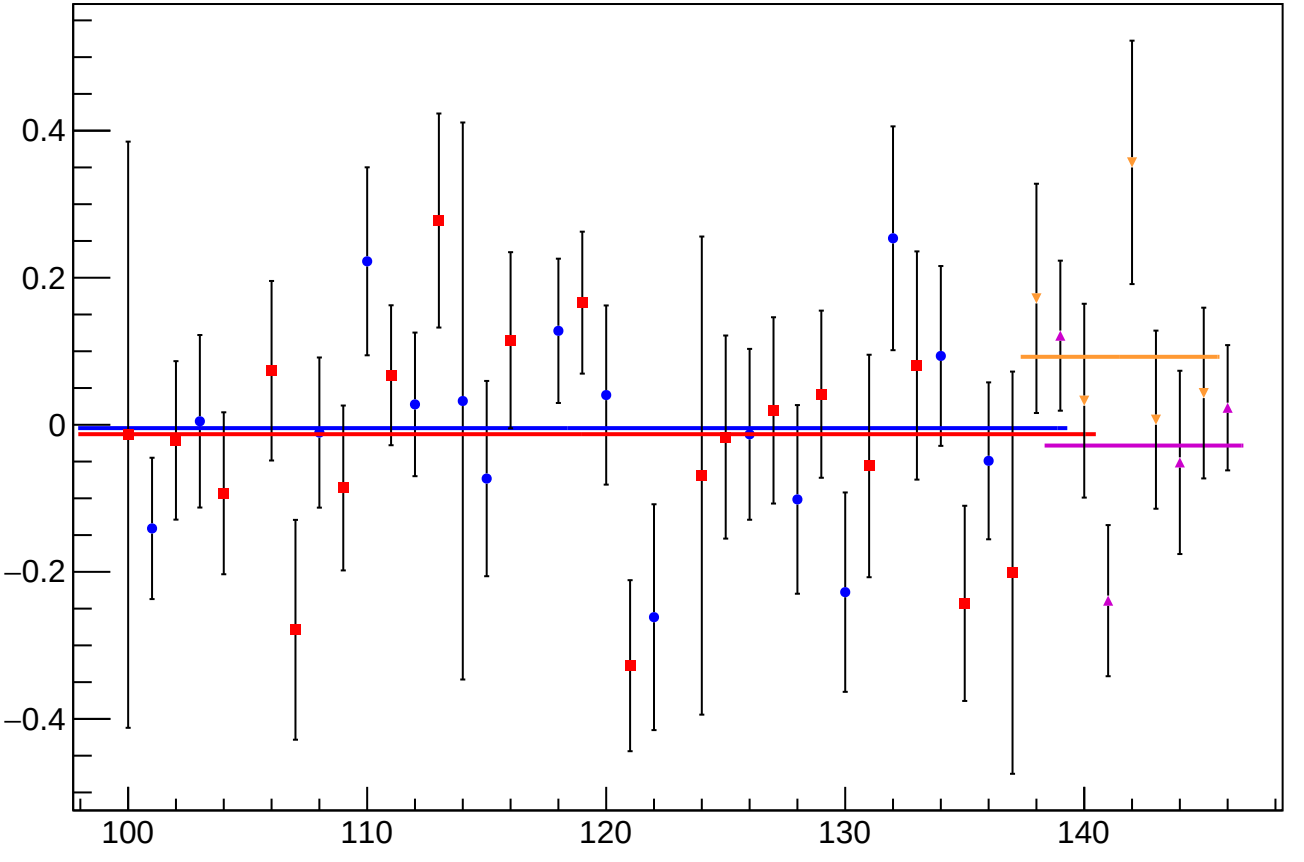
Left In: 0.004+/-0.000 χ^2/NDF:803985.2/3

+ sign 0.002+/-0.000 χ^2/NDF: 12608821.2/20

All: 0.003+/-0.000 χ^2/NDF: 20492354.2/43

- sign 0.004+/-0.000 χ^2/NDF: 4220727.3/22

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

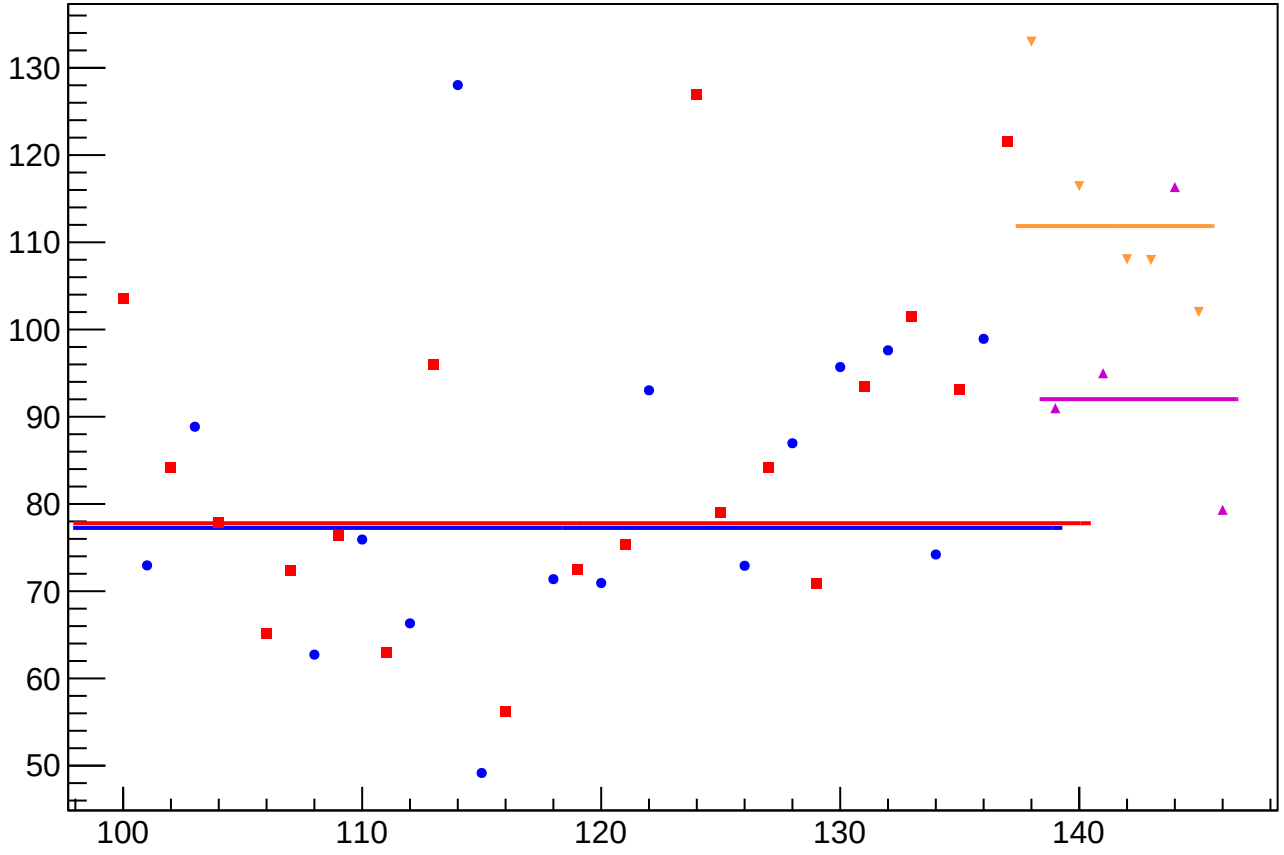
Left In: -0.028+/-0.050 χ^2/NDF:6.8/3

+ sign 0.015+/-0.027 χ^2/NDF: 23.1/20

All: -0.002+/-0.019 χ^2/NDF: 56.1/43

- sign -0.017+/-0.026 χ^2/NDF: 32.3/22

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 111.857+/-0.042 χ^2/NDF:56703.3/4

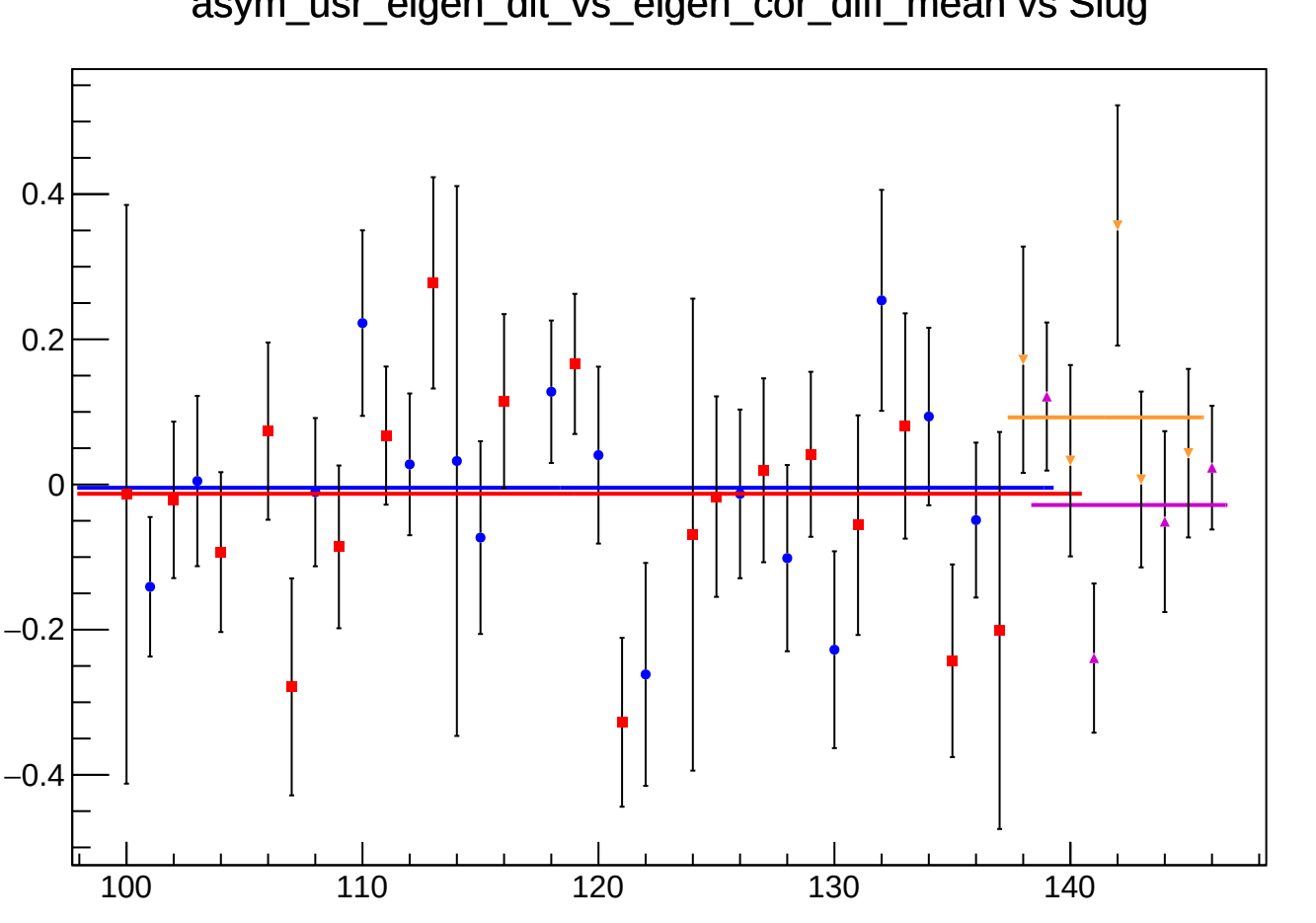
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.017+/-0.036 χ^2/NDF:122378.2/3

+ sign 84.192+/-0.019 χ^2/NDF: 1007365.0/20

All: 82.760+/-0.013 χ^2/NDF: 1655048.3/43

- sign 81.460+/-0.018 χ^2/NDF: 636850.6/22



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

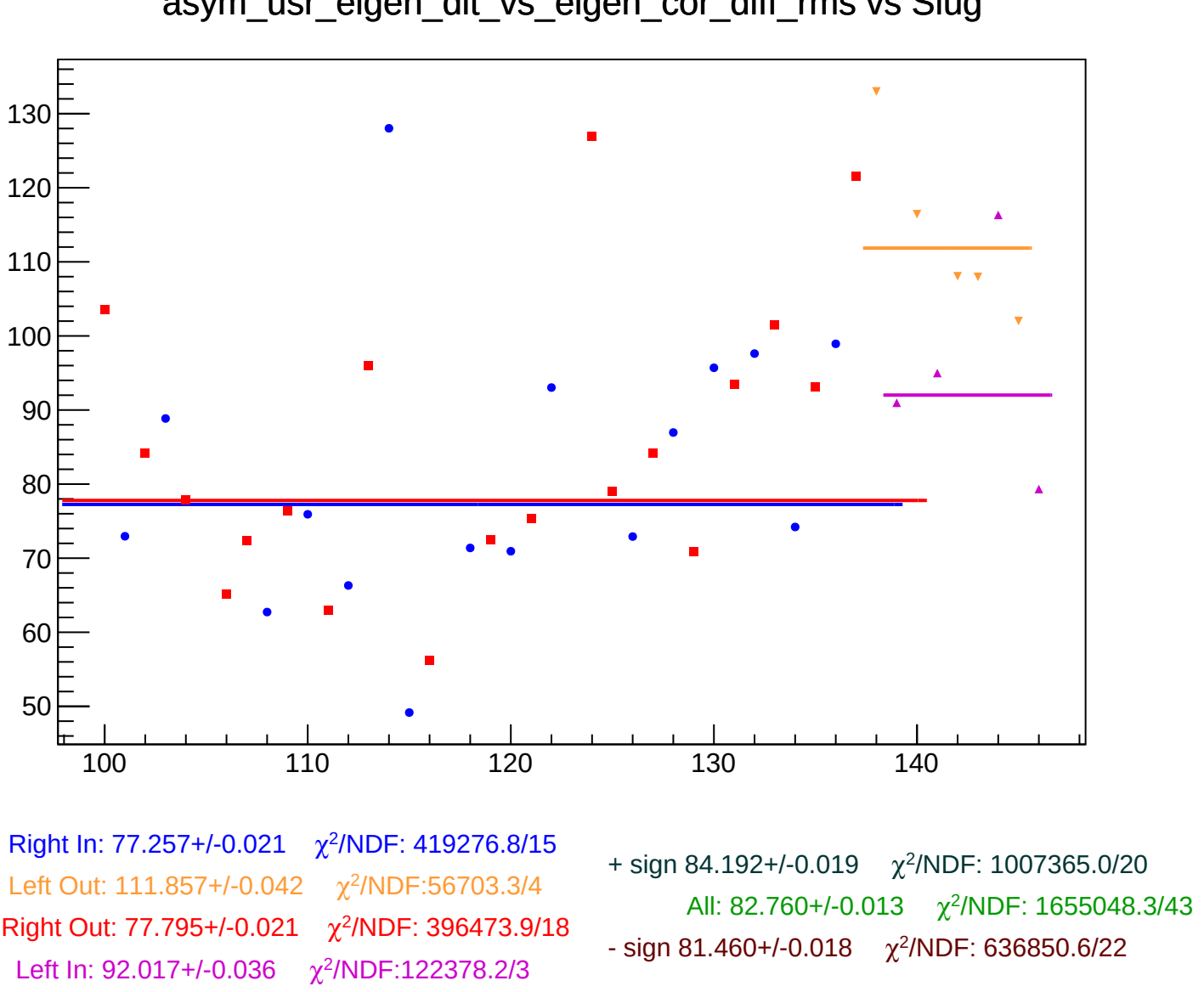
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.028+/-0.050 χ^2/NDF:6.8/3

+ sign 0.015+/-0.027 χ^2/NDF: 23.1/20

All: -0.002+/-0.019 χ^2/NDF: 56.1/43

- sign -0.017+/-0.026 χ^2/NDF: 32.3/22


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
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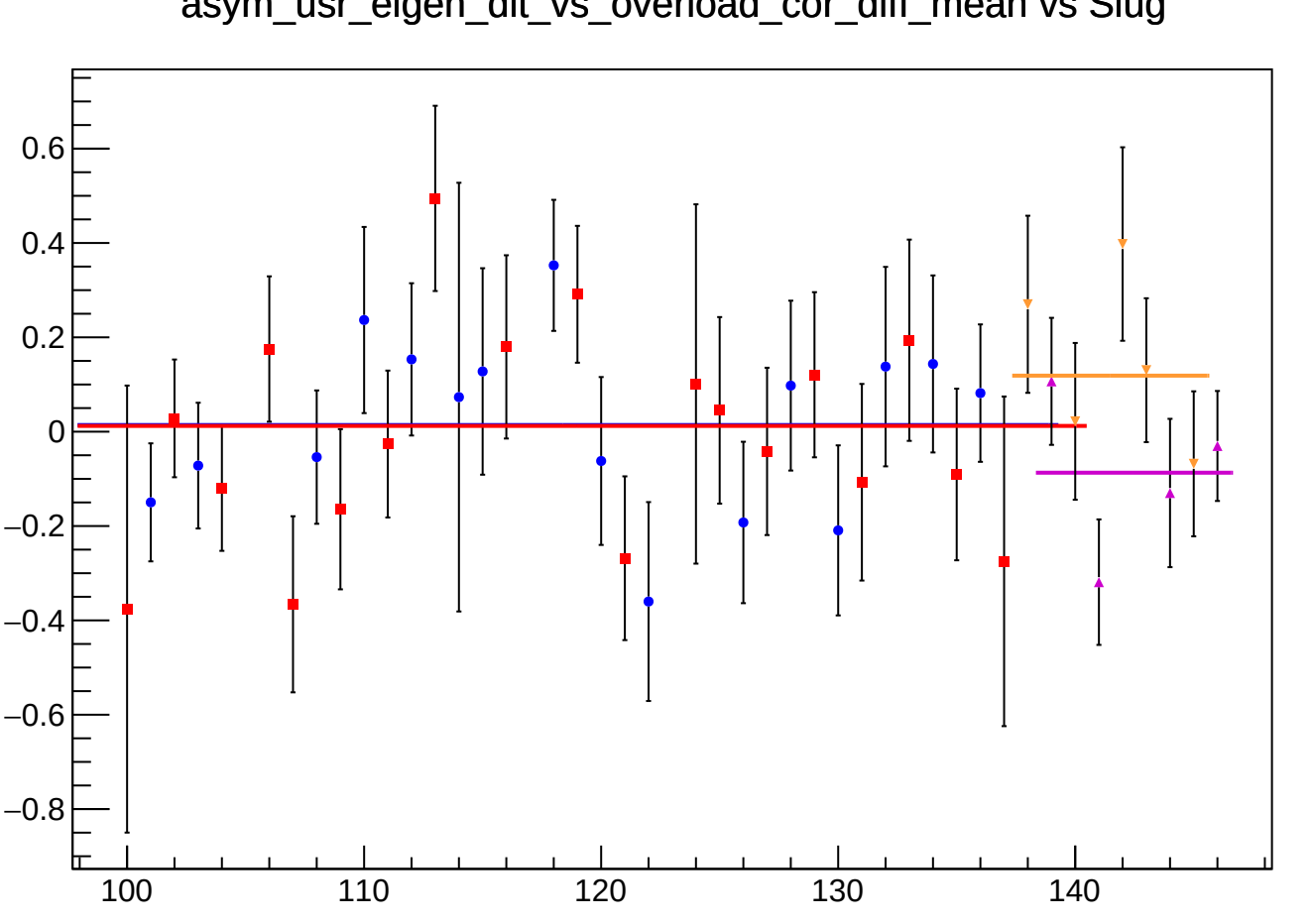
+ sign 84.192+/-0.019 χ²/NDF: 1007365.0/20
All: 82.760+/-0.013 χ²/NDF: 1655048.3/43
- sign 81.460+/-0.018 χ²/NDF: 636850.6/22



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.119+/-0.076 χ^2/NDF:4.3/4

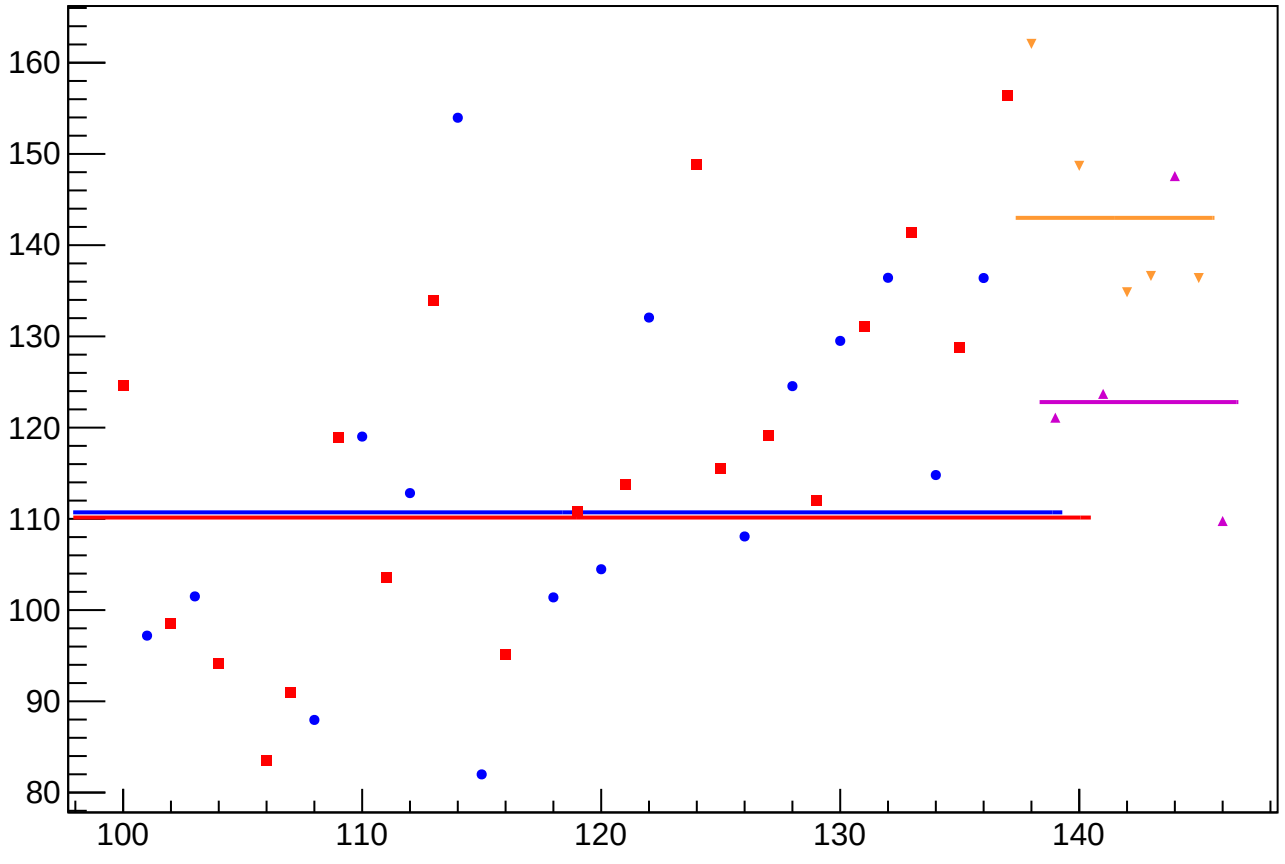
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.087+/-0.067 χ^2/NDF:5.4/3

+ sign 0.039+/-0.037 χ^2/NDF: 24.0/20

All: 0.010+/-0.025 χ^2/NDF: 55.9/43

- sign -0.015+/-0.035 χ^2/NDF: 30.8/22



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 142.994+/-0.054 χ^2/NDF:33339.5/4

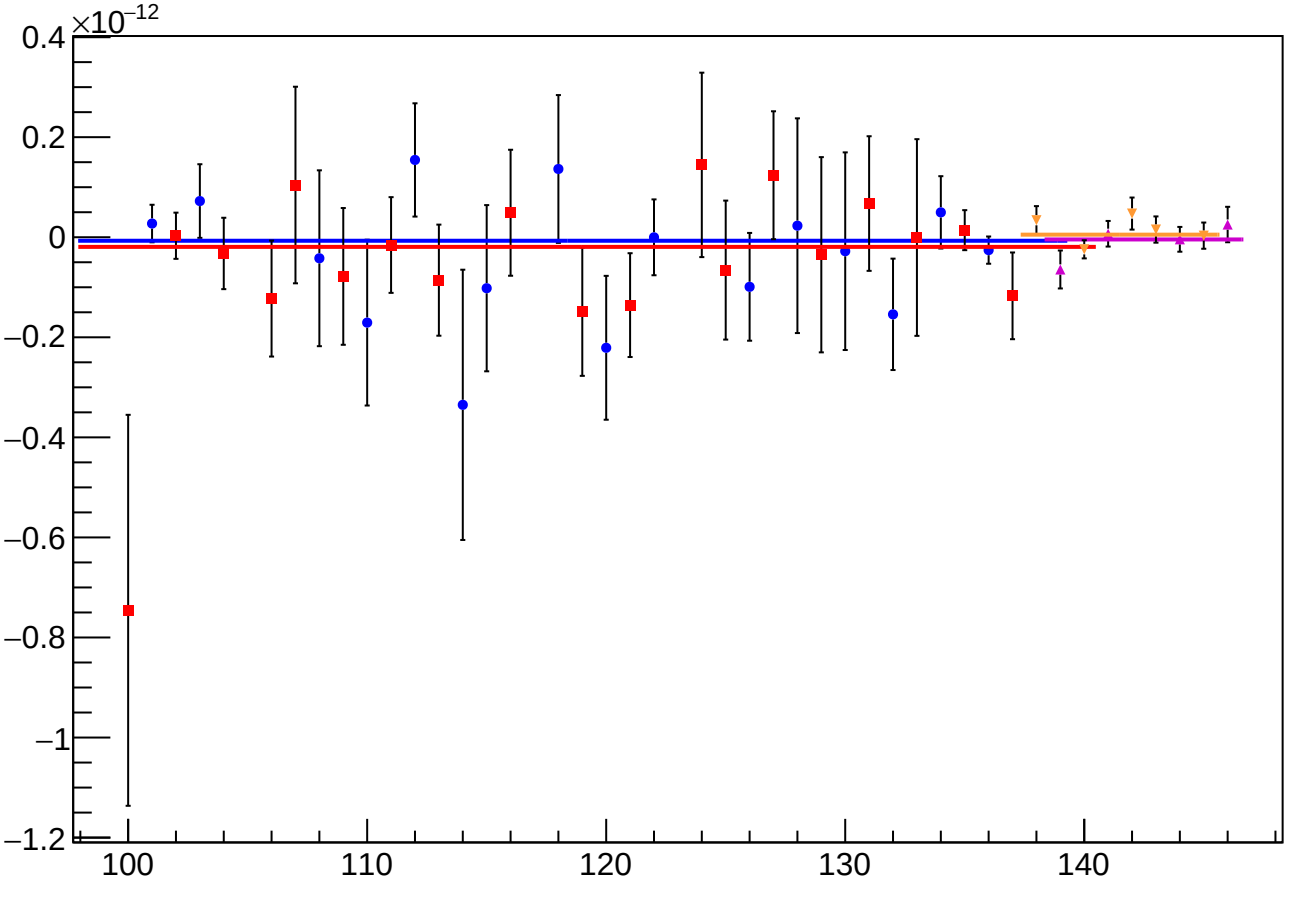
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 122.801+/-0.047 χ^2/NDF:75063.7/3

+ sign 118.360+/-0.026 χ^2/NDF: 609574.4/20

All: 115.893+/-0.018 χ^2/NDF: 1080530.3/43

- sign 113.663+/-0.025 χ^2/NDF: 453962.3/22



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.5/4

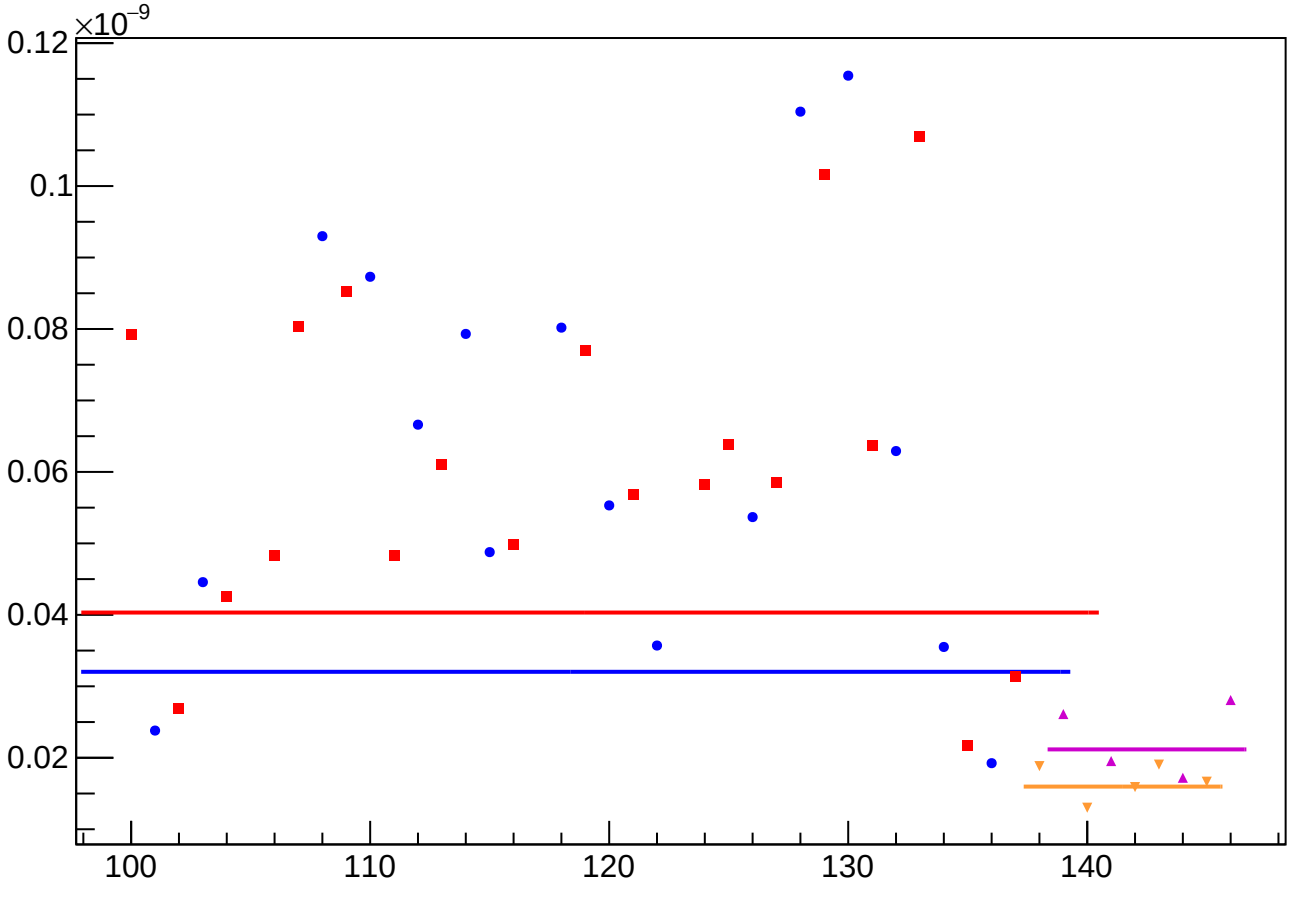
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 19.5/20

All: -0.000+/-0.000 χ^2/NDF: 36.4/43

- sign -0.000+/-0.000 χ^2/NDF: 16.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:102503.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

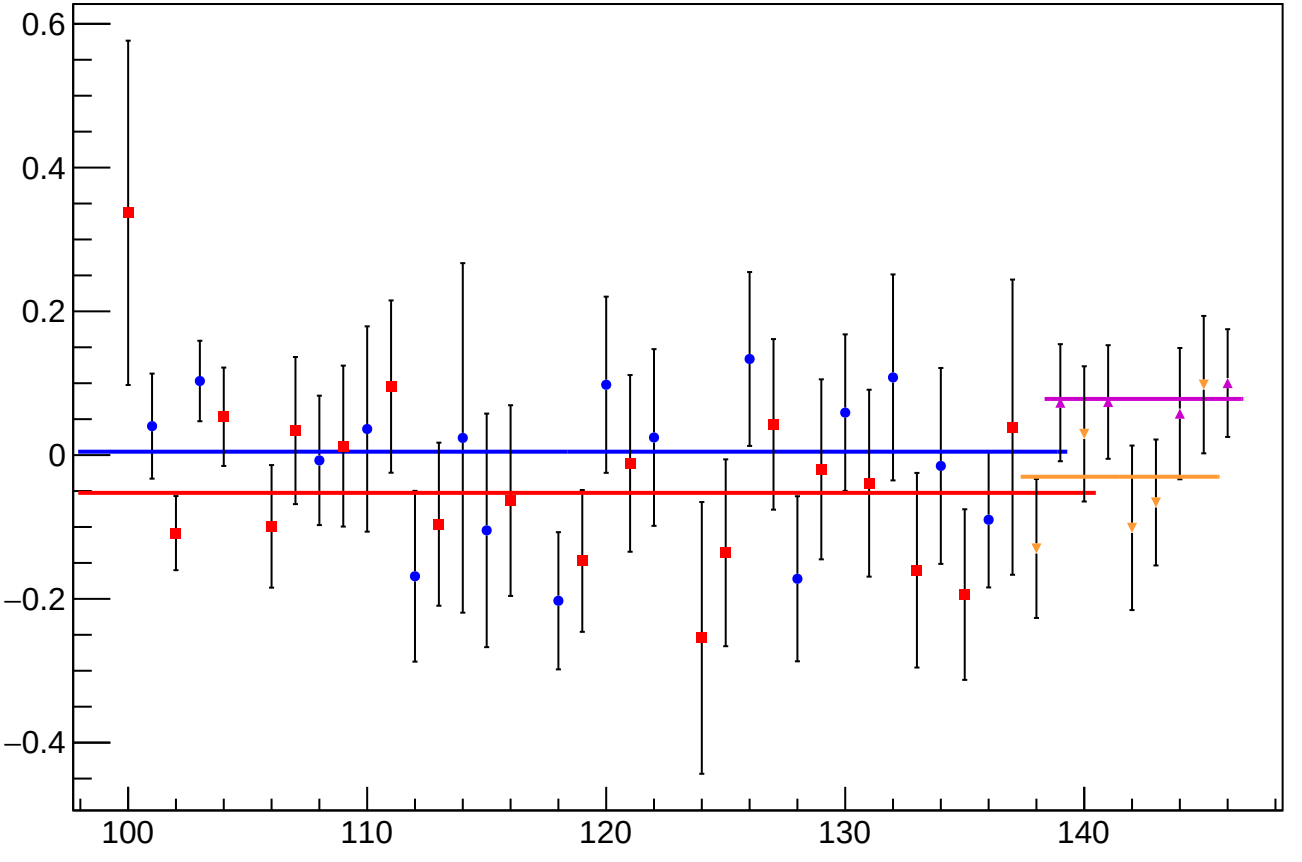
Left In: 0.000+/-0.000 χ^2/NDF:169471.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 3725665.8/20

All: 0.000+/-0.000 χ^2/NDF: 7290803.2/43

- sign 0.000+/-0.000 χ^2/NDF: 3144916.0/22

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.030+/-0.043 χ^2/NDF:3.8/4

Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

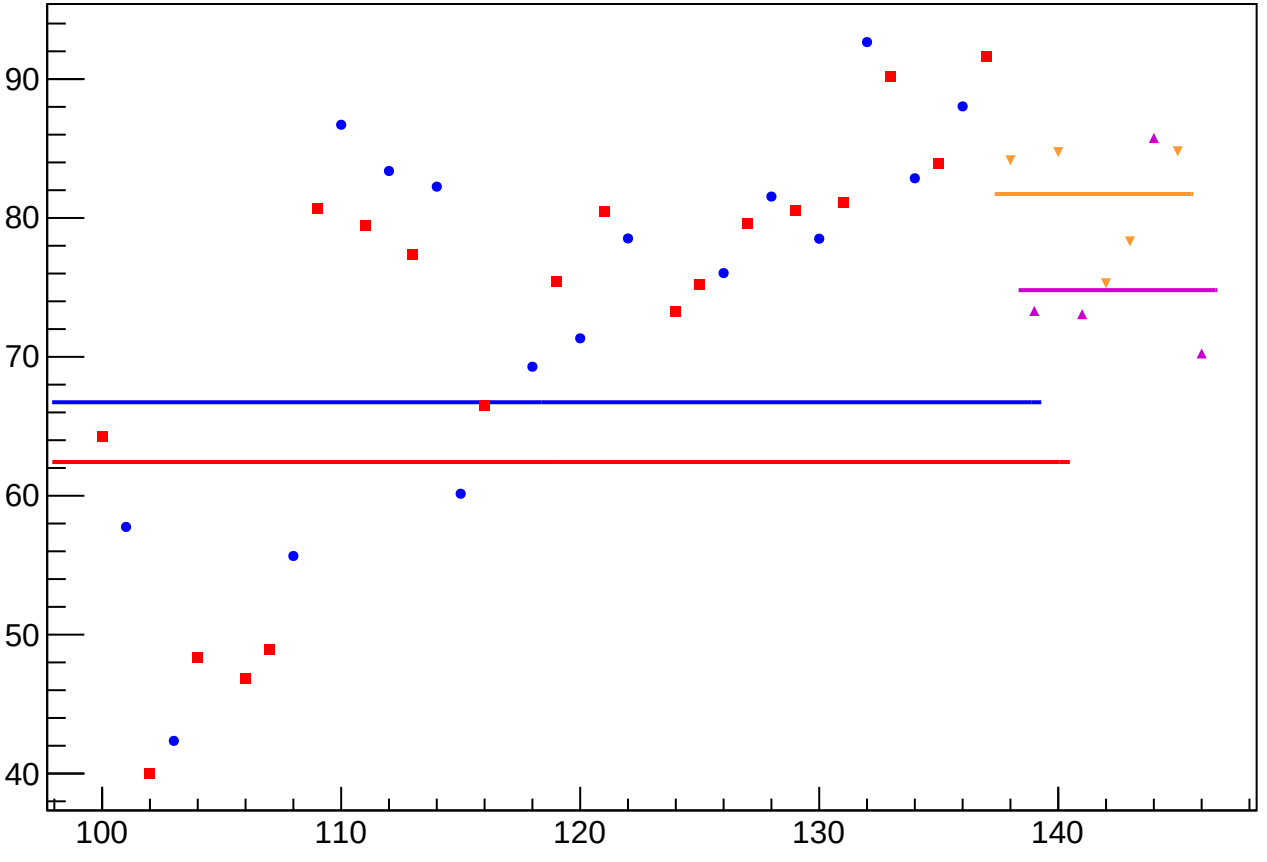
Left In: 0.078+/-0.041 χ^2/NDF:0.1/3

+ sign -0.004+/-0.022 χ^2/NDF: 20.9/20

All: -0.012+/-0.015 χ^2/NDF: 43.8/43

- sign -0.018+/-0.021 χ^2/NDF: 22.6/22

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 81.726+/-0.031 χ^2/NDF:14730.4/4

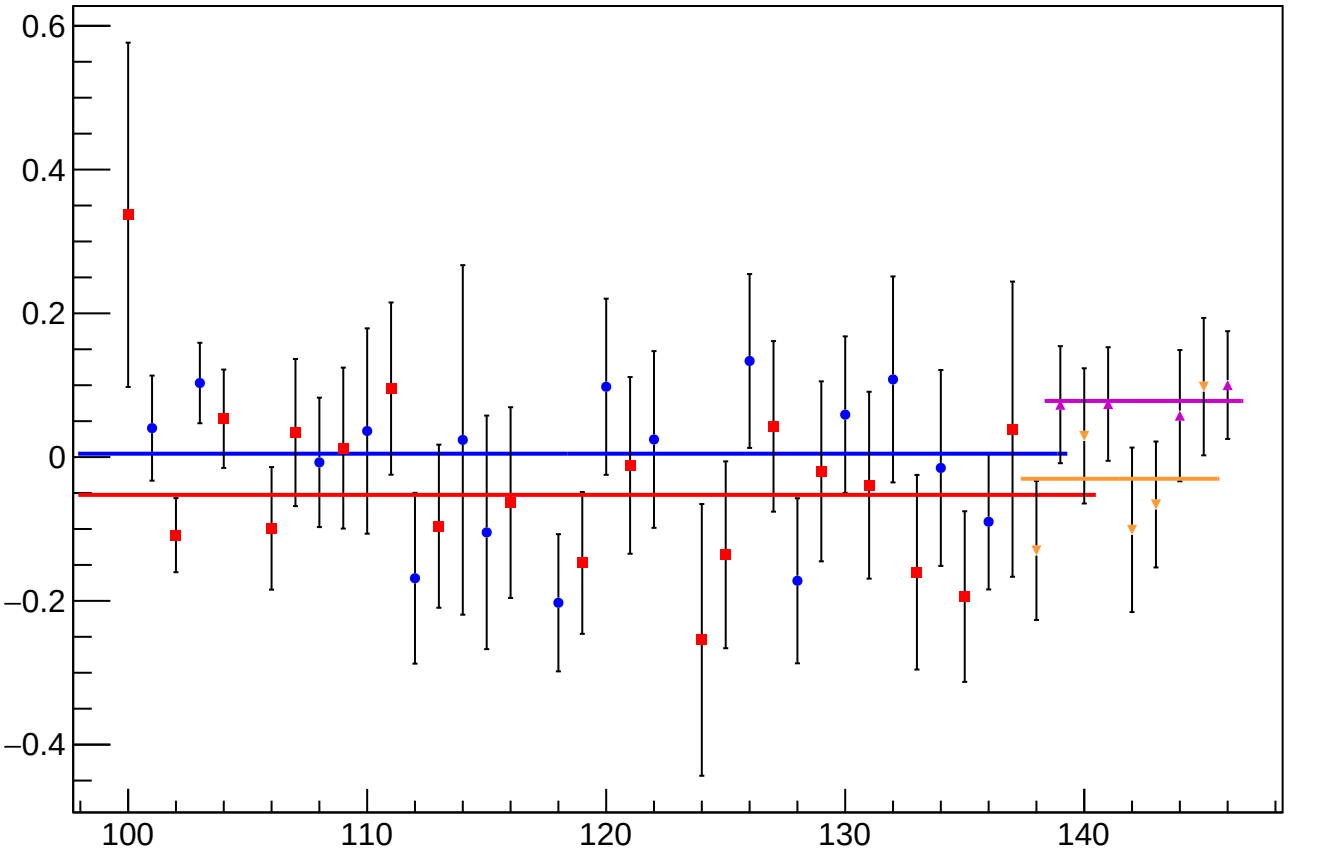
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.805+/-0.029 χ^2/NDF:37782.5/3

+ sign 70.698+/-0.016 χ^2/NDF: 1008788.5/20

All: 68.002+/-0.011 χ^2/NDF: 2353518.6/43

- sign 65.659+/-0.015 χ^2/NDF: 1289660.7/22



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.030+/-0.043 χ^2/NDF:3.8/4

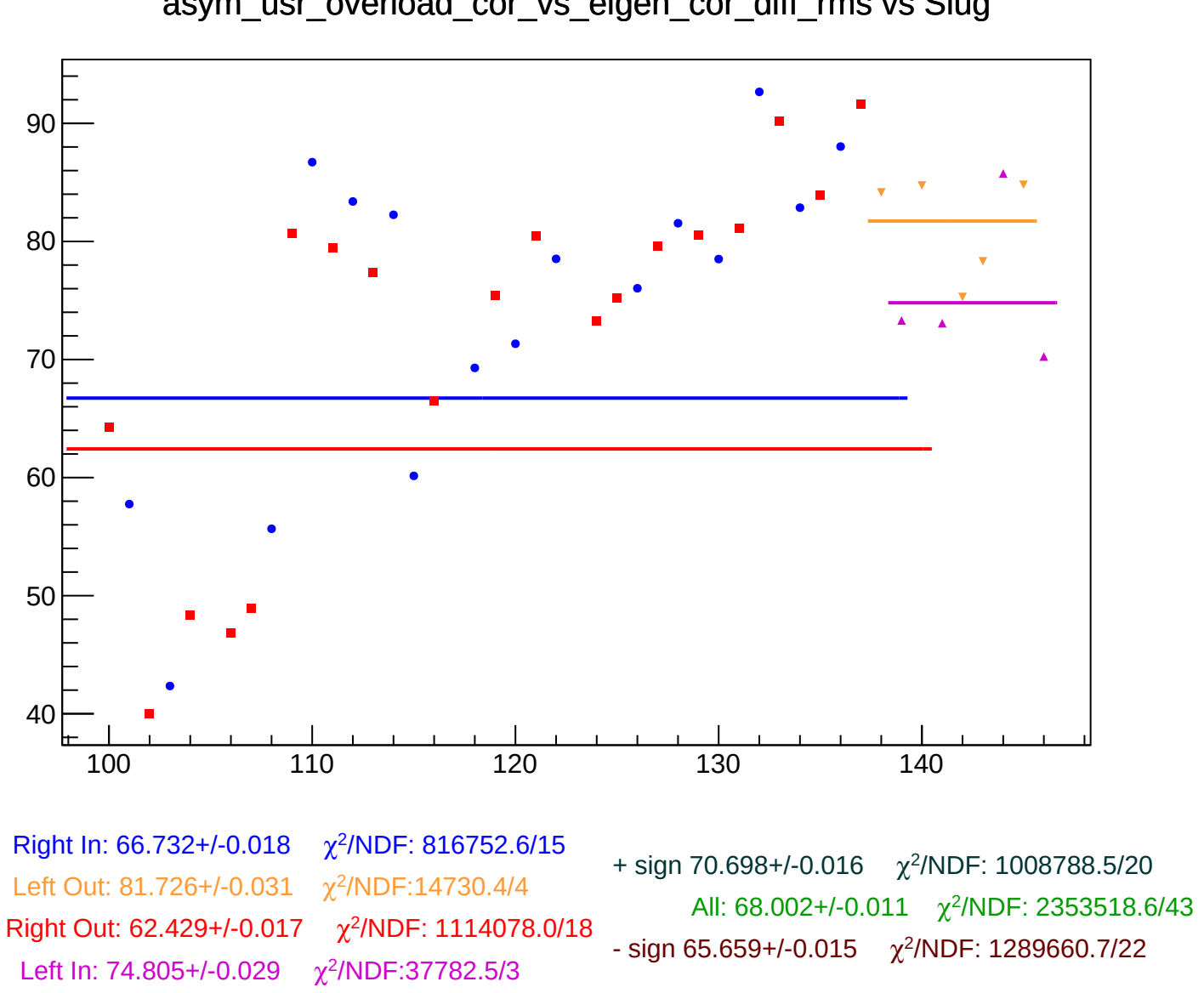
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.078+/-0.041 χ^2/NDF:0.1/3

+ sign -0.004+/-0.022 χ^2/NDF: 20.9/20

All: -0.012+/-0.015 χ^2/NDF: 43.8/43

- sign -0.018+/-0.021 χ^2/NDF: 22.6/22


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
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Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 81.726+/-0.031 χ²/NDF:14730.4/4
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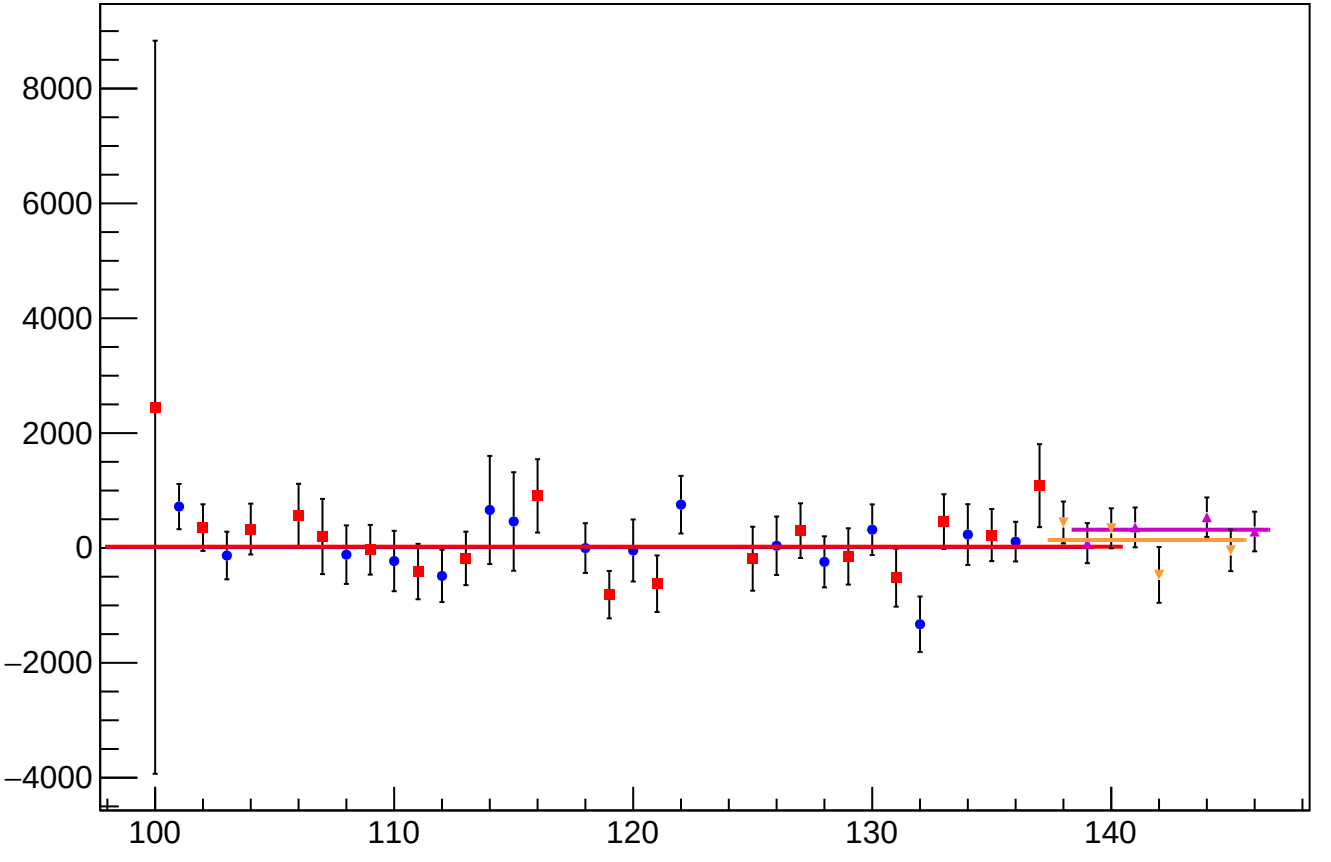
Left In: 74.805+/-0.029 χ²/NDF:37782.5/3
+ sign 70.698+/-0.016 χ²/NDF: 1008788.5/20
All: 68.002+/-0.011 χ²/NDF: 2353518.6/43
- sign 65.659+/-0.015 χ²/NDF: 1289660.7/22

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: 139.298+/-190.105 χ^2/NDF:2.9/3

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

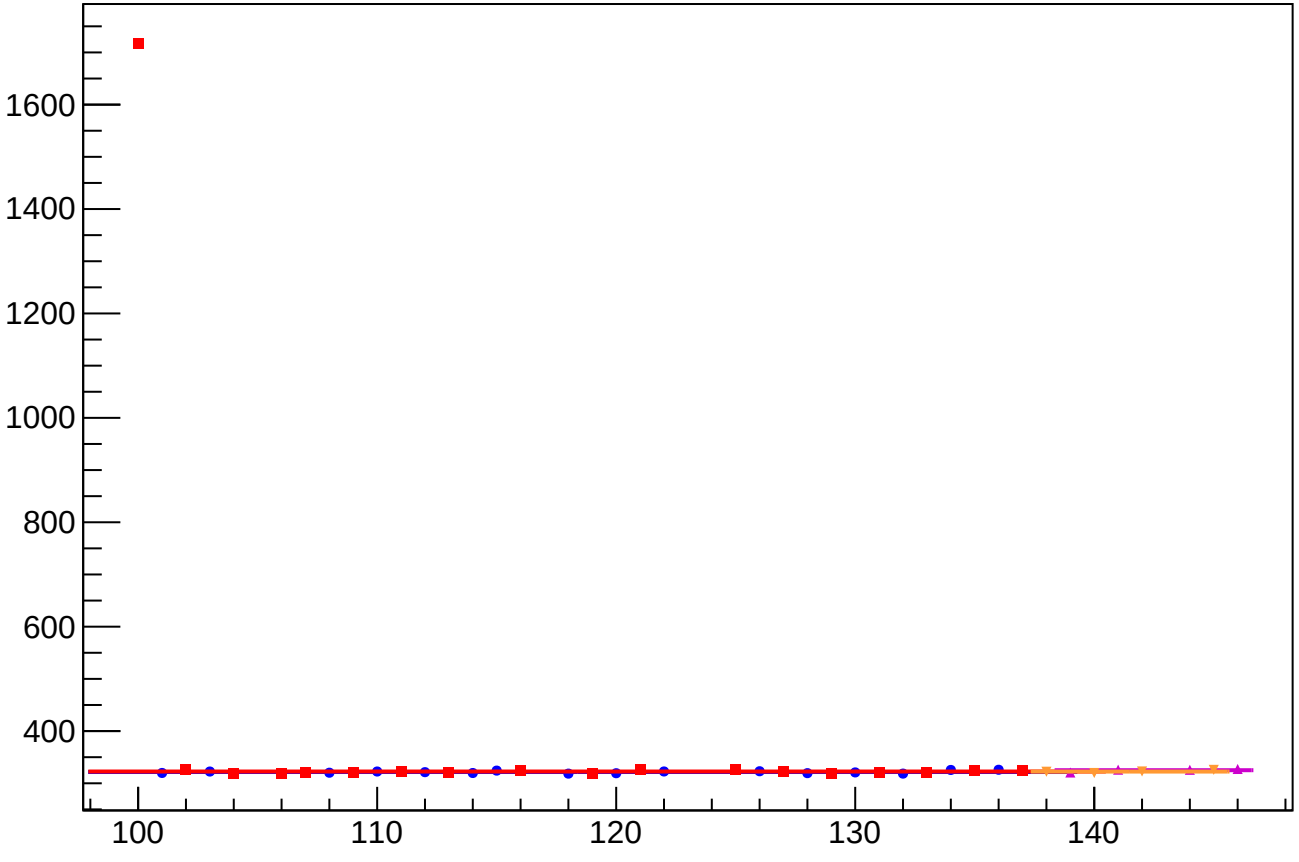
Left In: 318.022+/-172.914 χ^2/NDF:0.9/3

+ sign 50.546+/-101.130 χ^2/NDF: 19.7/19

All: 85.009+/-70.431 χ^2/NDF: 38.8/41

- sign 117.469+/-98.147 χ^2/NDF: 18.9/21

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 322.474+/-0.134 χ^2/NDF:285.8/3

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

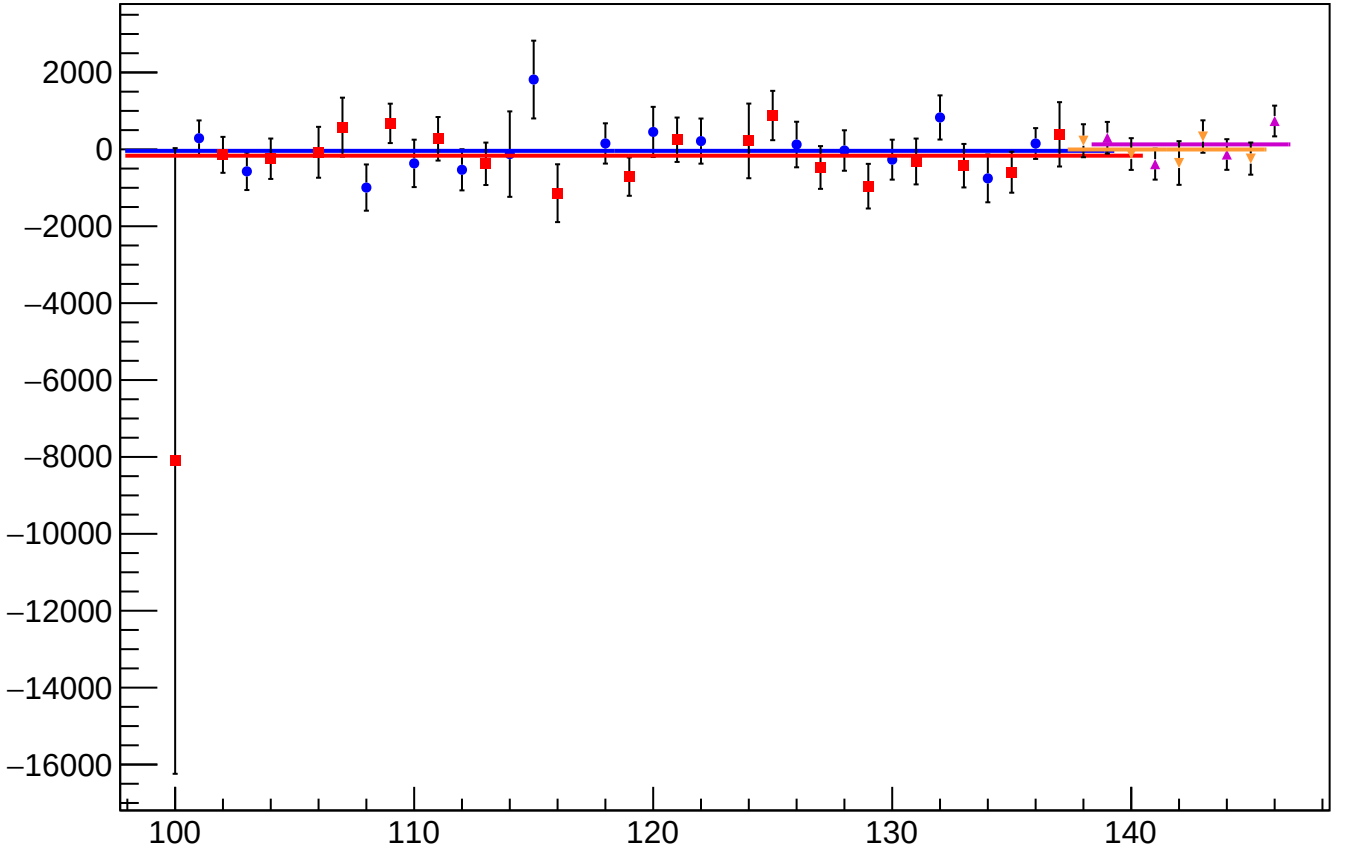
Left In: 325.062+/-0.122 χ^2/NDF:439.4/3

+ sign 321.850+/-0.072 χ^2/NDF: 1138.7/19

All: 322.628+/-0.050 χ^2/NDF: 98985.4/41

- sign 323.361+/-0.069 χ^2/NDF: 97616.8/21

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -4.021+/-197.096 χ^2/NDF:1.7/4

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

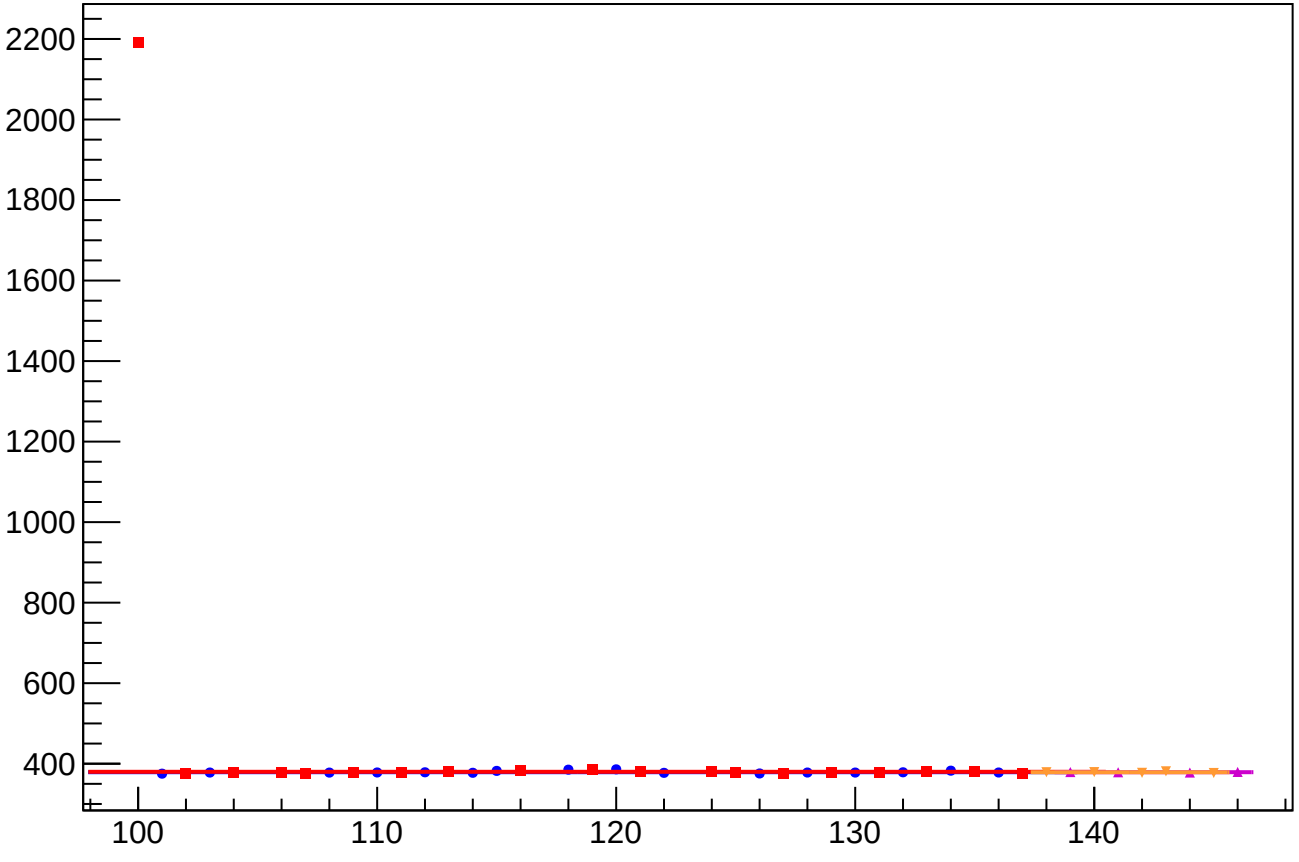
Left In: 128.780+/-201.565 χ^2/NDF:4.6/3

+ sign -27.133+/-114.526 χ^2/NDF: 15.5/20

All: -48.643+/-80.940 χ^2/NDF: 36.6/43

- sign -70.109+/-114.408 χ^2/NDF: 21.1/22

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.784+/-0.139 χ^2/NDF:111.5/4

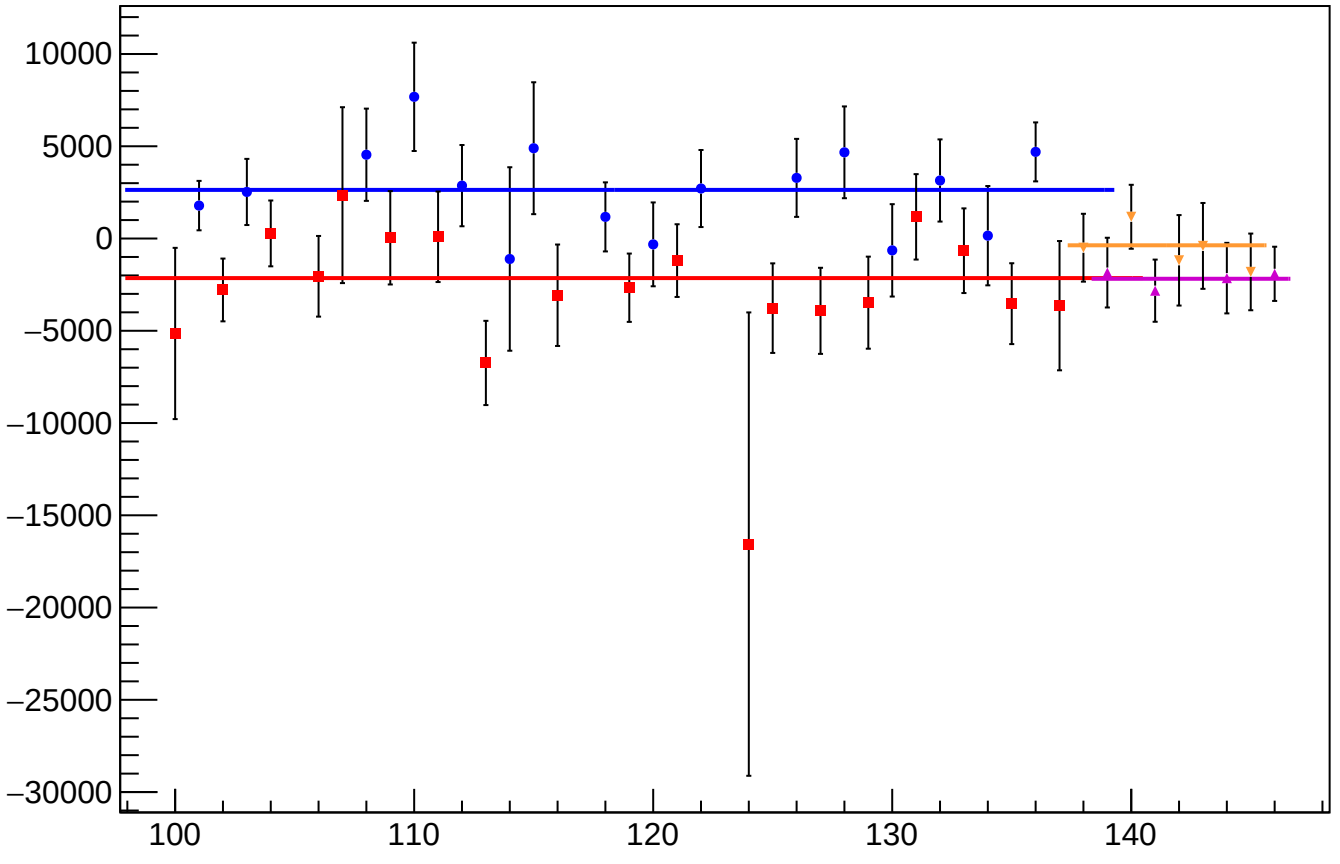
Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.916+/-0.143 χ^2/NDF:15.7/3

+ sign 378.867+/-0.081 χ^2/NDF: 963.3/20

All: 379.218+/-0.057 χ^2/NDF: 100668.8/43

- sign 379.568+/-0.081 χ^2/NDF: 99668.0/22



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

Left Out: -367.196+/-908.586 χ^2/NDF:1.4/4

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

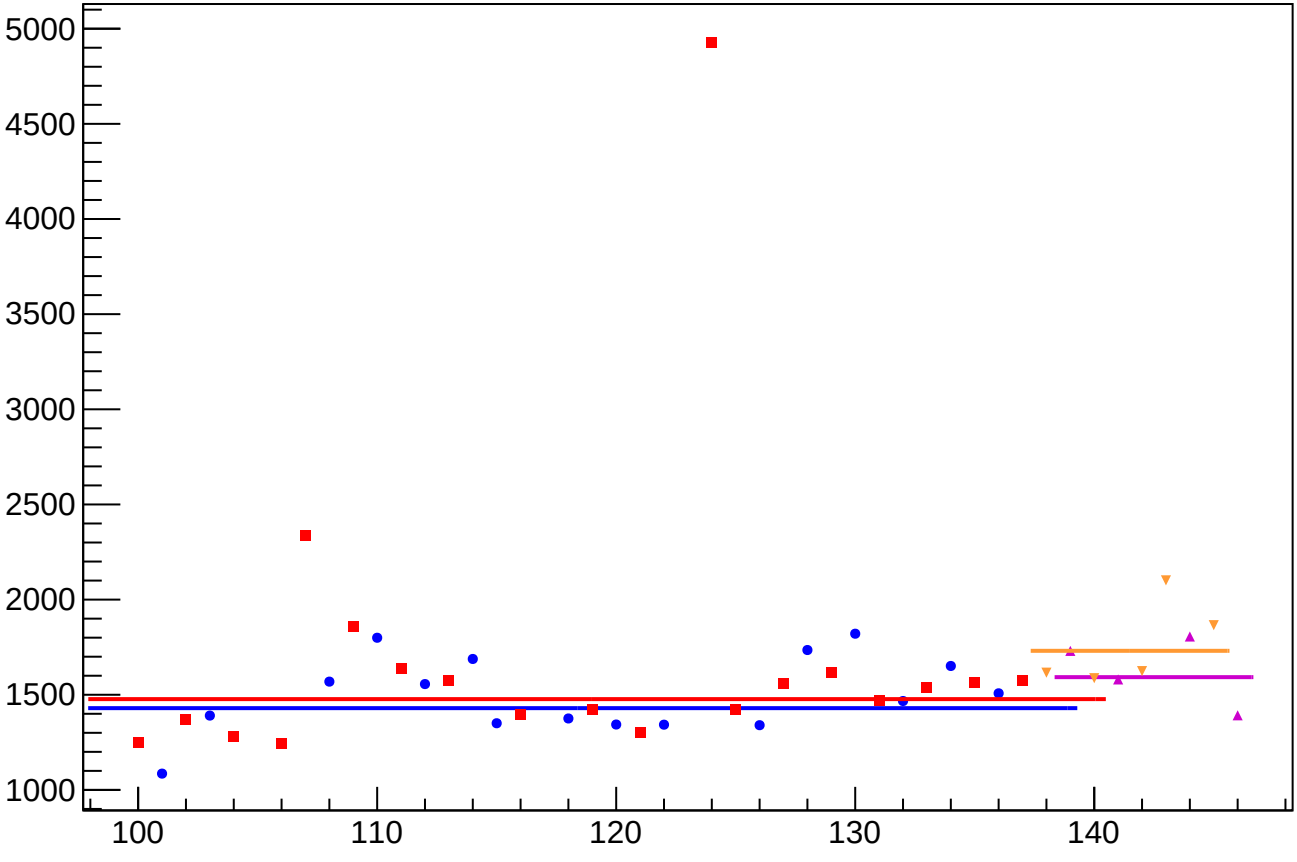
Left In: -2181.628+/-854.462 χ^2/NDF:0.2/3

+ sign 1855.858+/-462.953 χ^2/NDF: 21.7/20

All: -159.676+/-326.545 χ^2/NDF: 74.7/43

- sign -2155.341+/-460.665 χ^2/NDF: 15.3/22

asym_us_agg_avg_rms vs Slug



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

Left Out: 1730.927+/-0.642 χ^2/NDF:84392.7/4

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

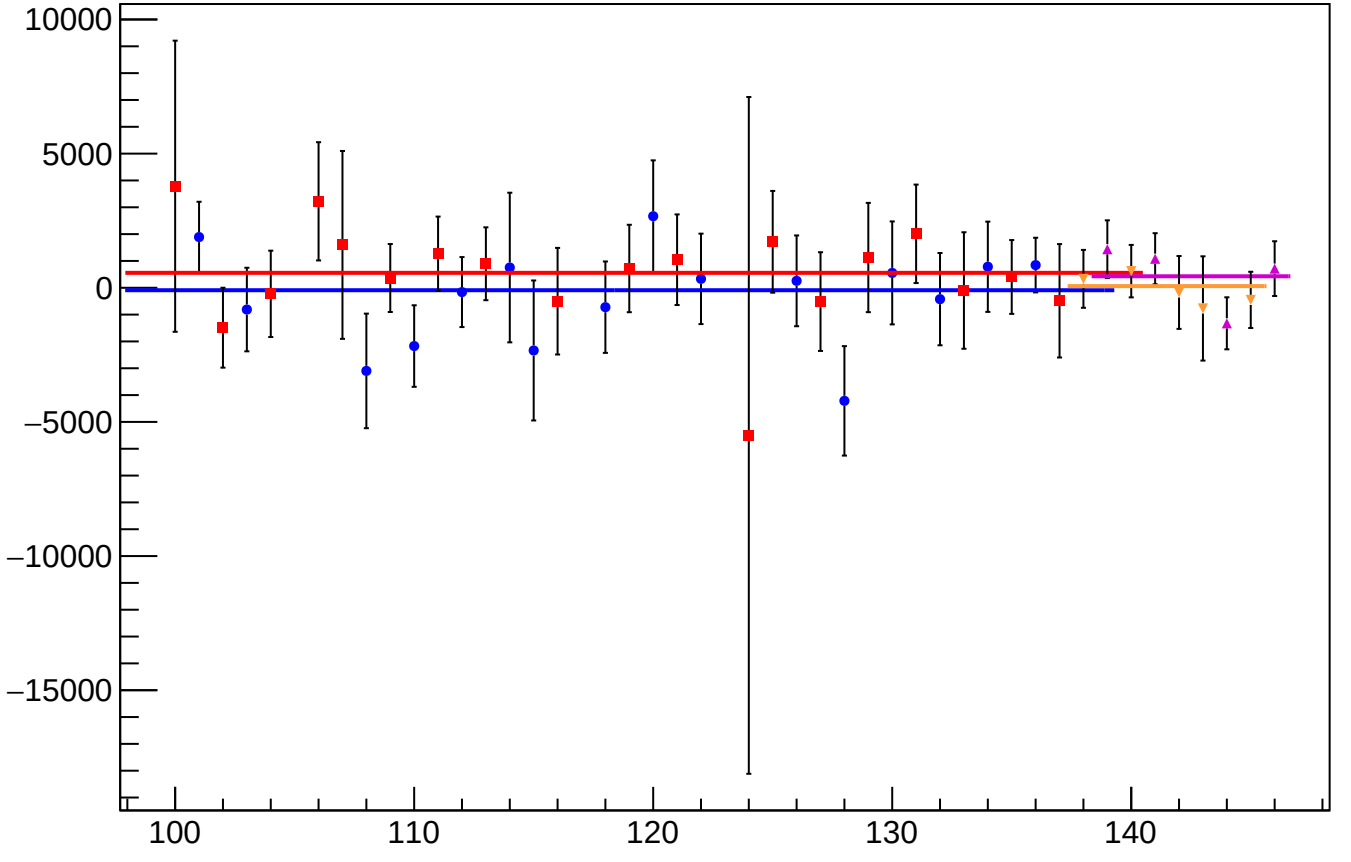
Left In: 1592.529+/-0.604 χ^2/NDF:72993.9/3

+ sign 1507.871+/-0.327 χ^2/NDF: 540587.9/20

All: 1509.277+/-0.231 χ^2/NDF: 1008927.4/43

- sign 1510.669+/-0.326 χ^2/NDF: 468302.8/22

asym_us_agg_dd_mean vs Slug



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

Left Out: 61.793+/-525.420 χ^2/NDF:0.8/4

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

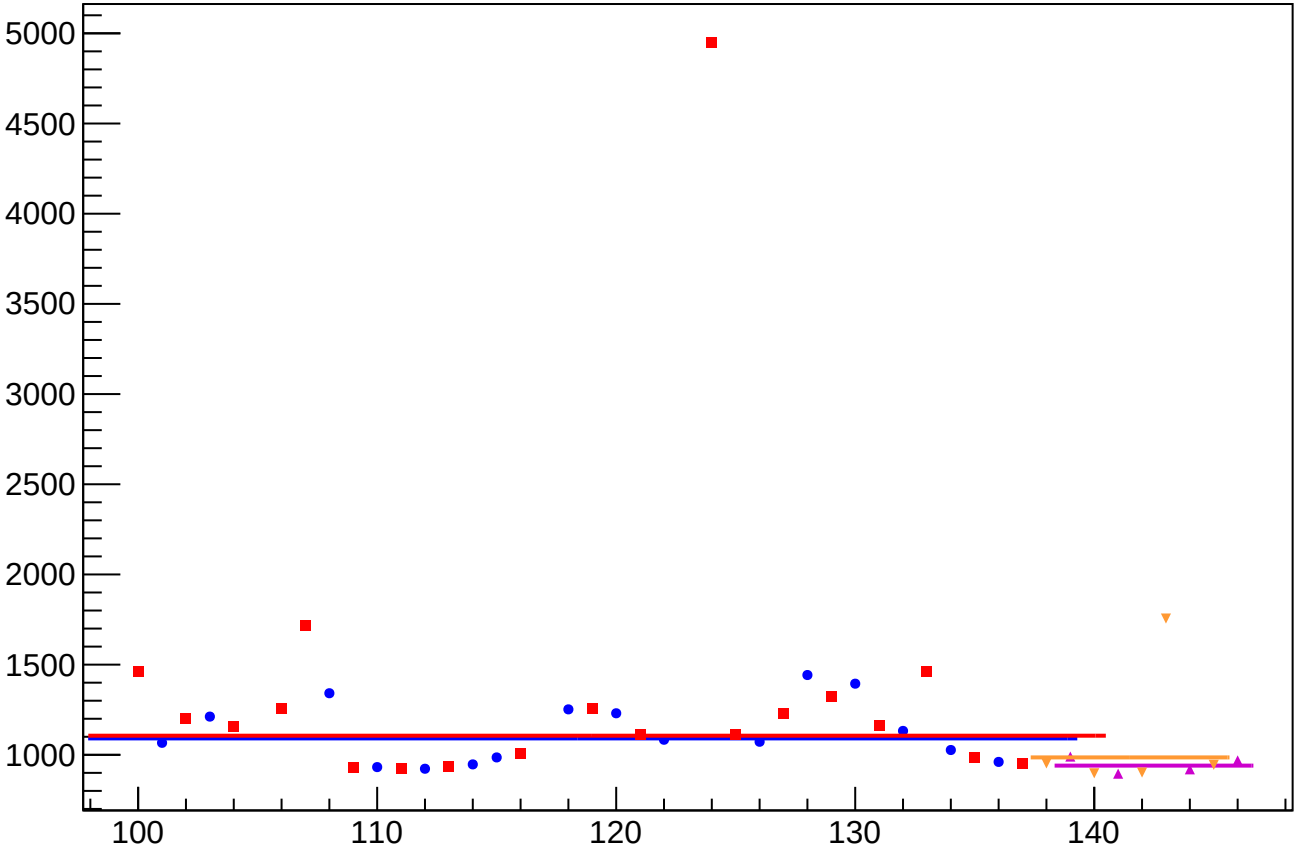
Left In: 428.502+/-500.616 χ^2/NDF:4.7/3

\+ sign -33.371+/-323.213 χ^2/NDF: 15.4/20

All: 240.403+/-226.615 χ^2/NDF: 28.3/43

\- sign 505.115+/-317.819 χ^2/NDF: 11.5/22

asym_us_agg_dd_rms vs Slug



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

Left Out: 985.691+/-0.372 χ^2/NDF:342787.8/4

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

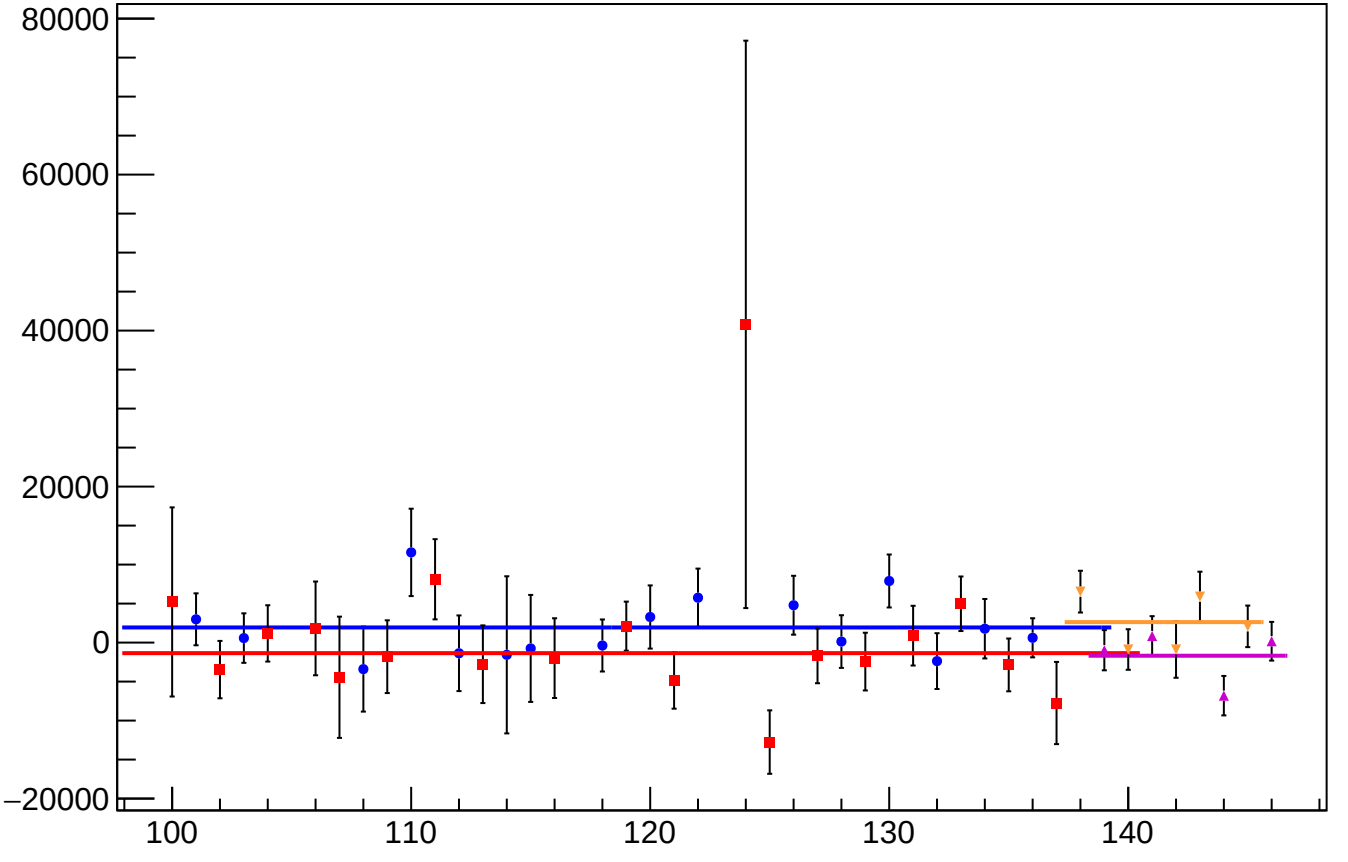
Left In: 940.188+/-0.354 χ^2/NDF:11264.0/3

+ sign 1051.175+/-0.229 χ^2/NDF: 670071.6/20

All: 1045.086+/-0.160 χ^2/NDF: 1327880.7/43

- sign 1039.198+/-0.225 χ^2/NDF: 656412.8/22

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2625.524+/-1288.410 χ^2/NDF:6.0/4

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

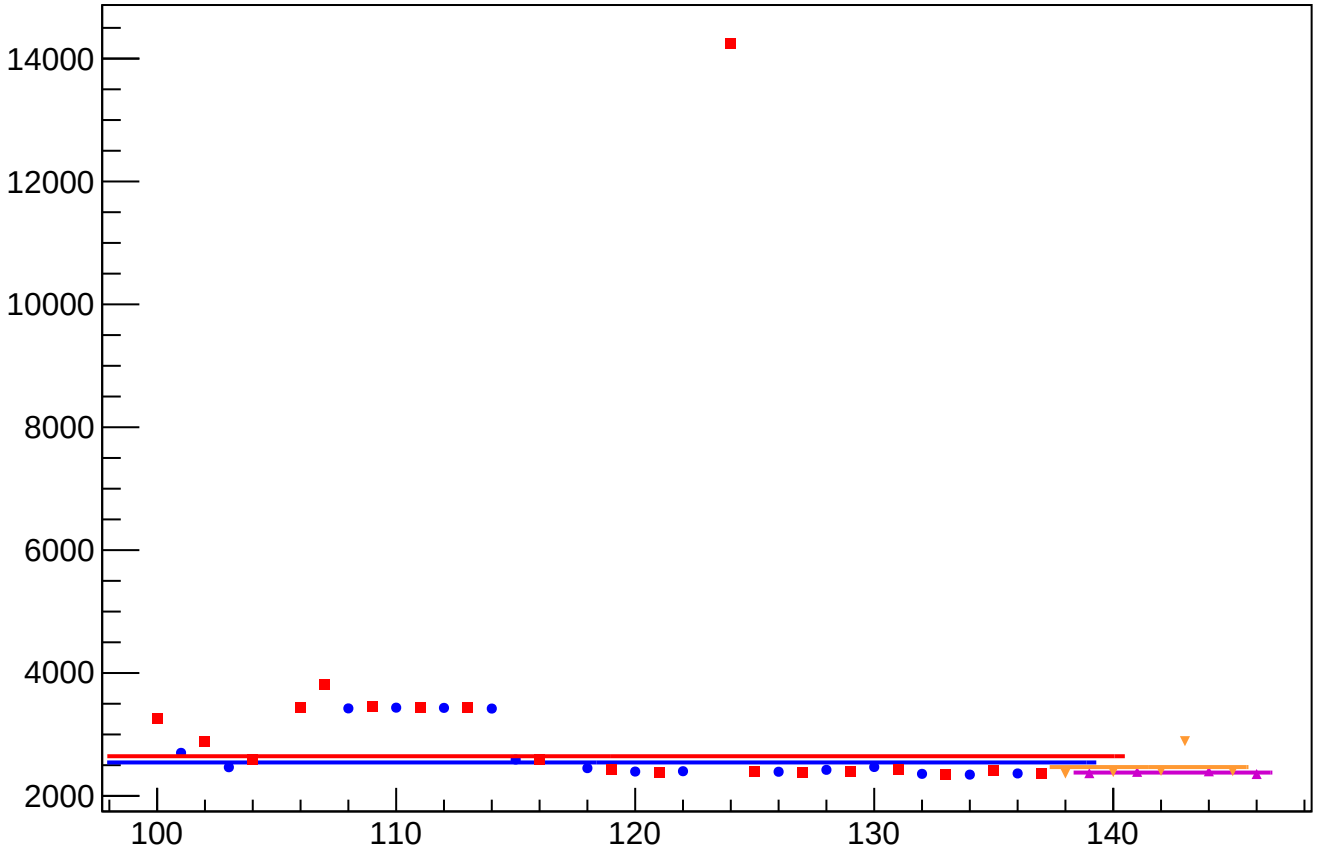
Left In: -1685.215+/-1265.894 χ^2/NDF:5.7/3

+ sign 2182.051+/-765.941 χ^2/NDF: 18.4/20

All: 379.028+/-545.625 χ^2/NDF: 57.2/43

- sign -1478.571+/-777.447 χ^2/NDF: 27.6/22

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2469.240+/-0.911 χ^2/NDF:41616.0/4

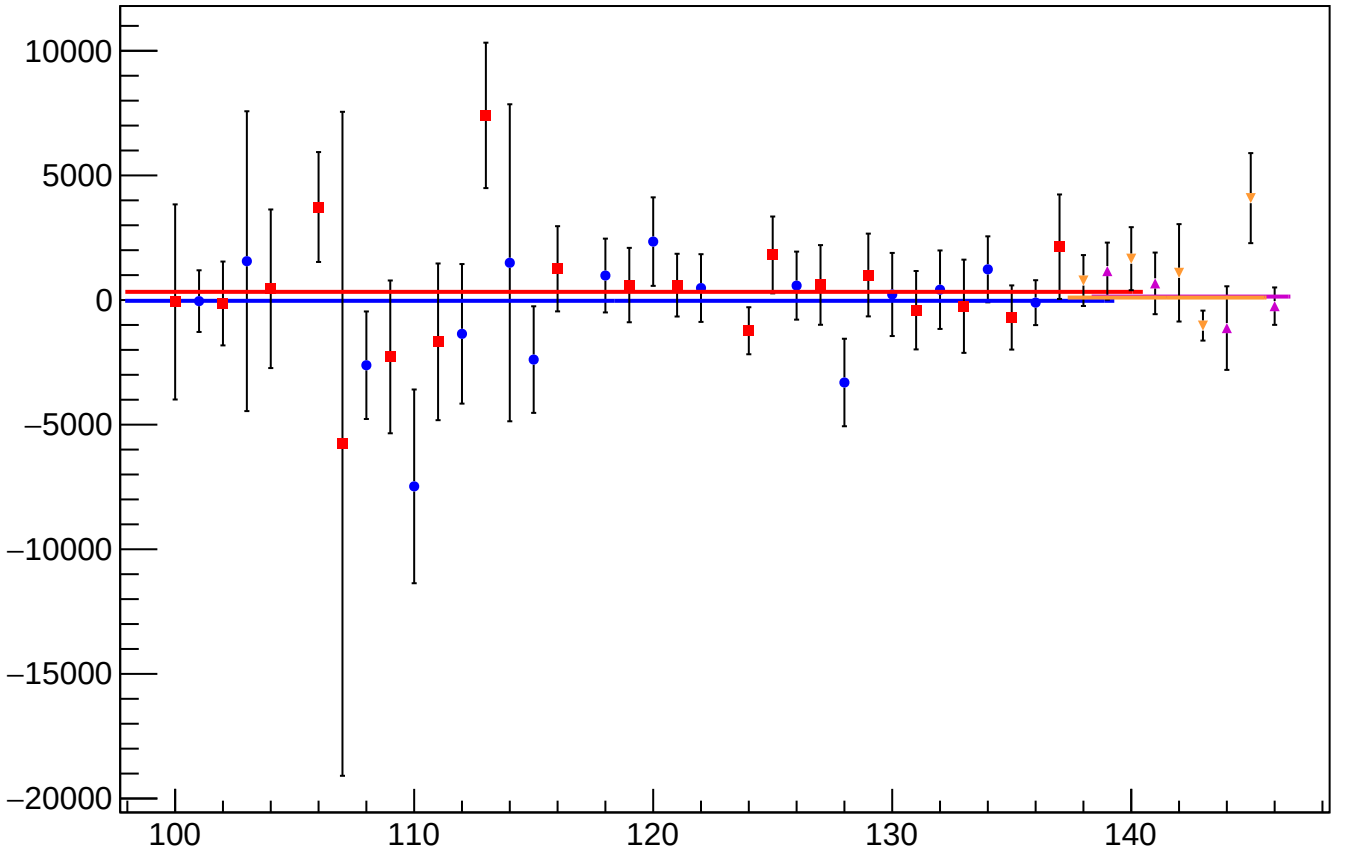
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

+ sign 2517.848+/-0.542 χ^2/NDF: 271632.6/20

All: 2531.396+/-0.386 χ^2/NDF: 865210.9/43

- sign 2545.355+/-0.550 χ^2/NDF: 592307.8/22



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 99.602+/-451.017 χ^2/NDF:10.6/4

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

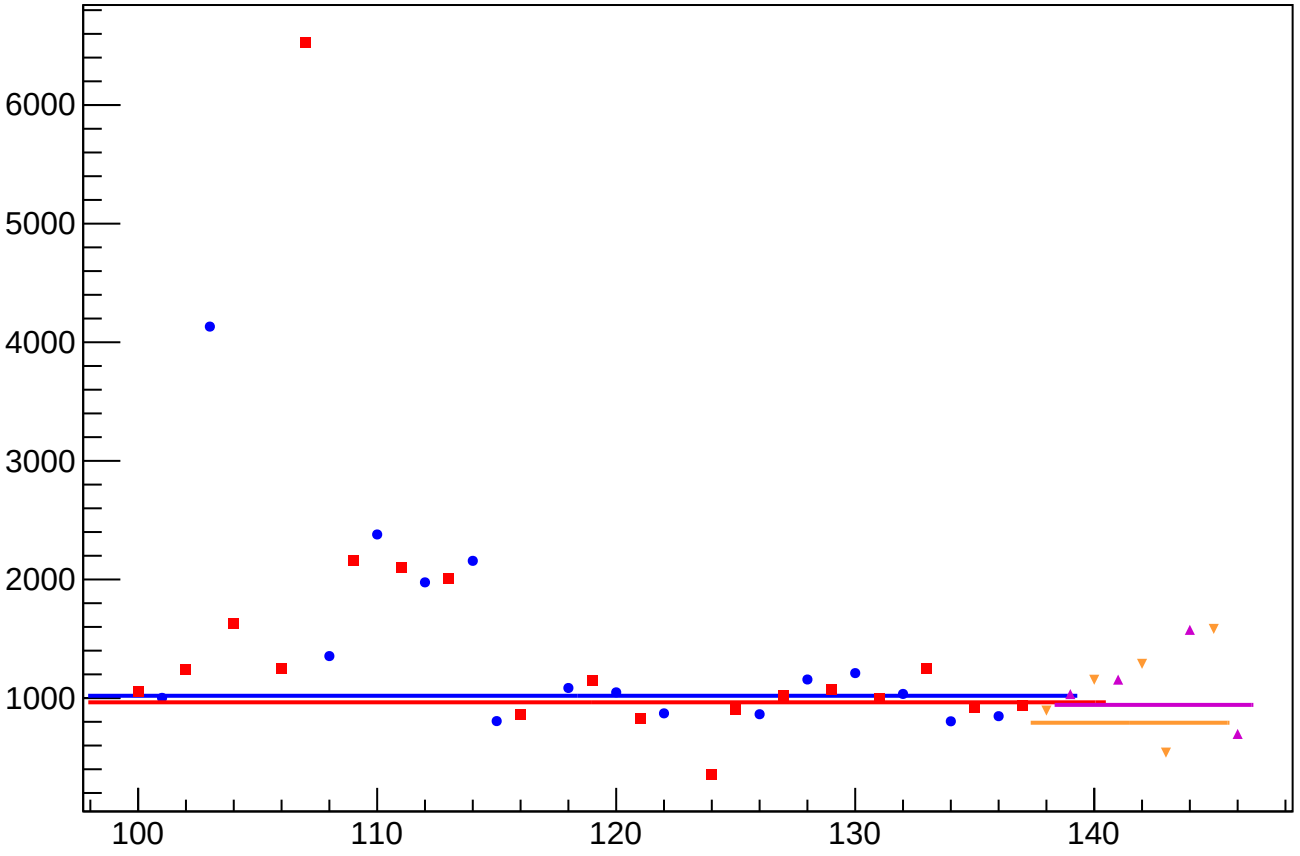
Left In: 138.582+/-530.775 χ^2/NDF:1.8/3

\+ sign 27.310+/-301.637 χ^2/NDF: 24.4/20

All: 137.257+/-219.078 χ^2/NDF: 42.2/43

\- sign 260.006+/-318.714 χ^2/NDF: 17.5/22

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 792.222+/-0.319 χ^2/NDF:1048033.7/4

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

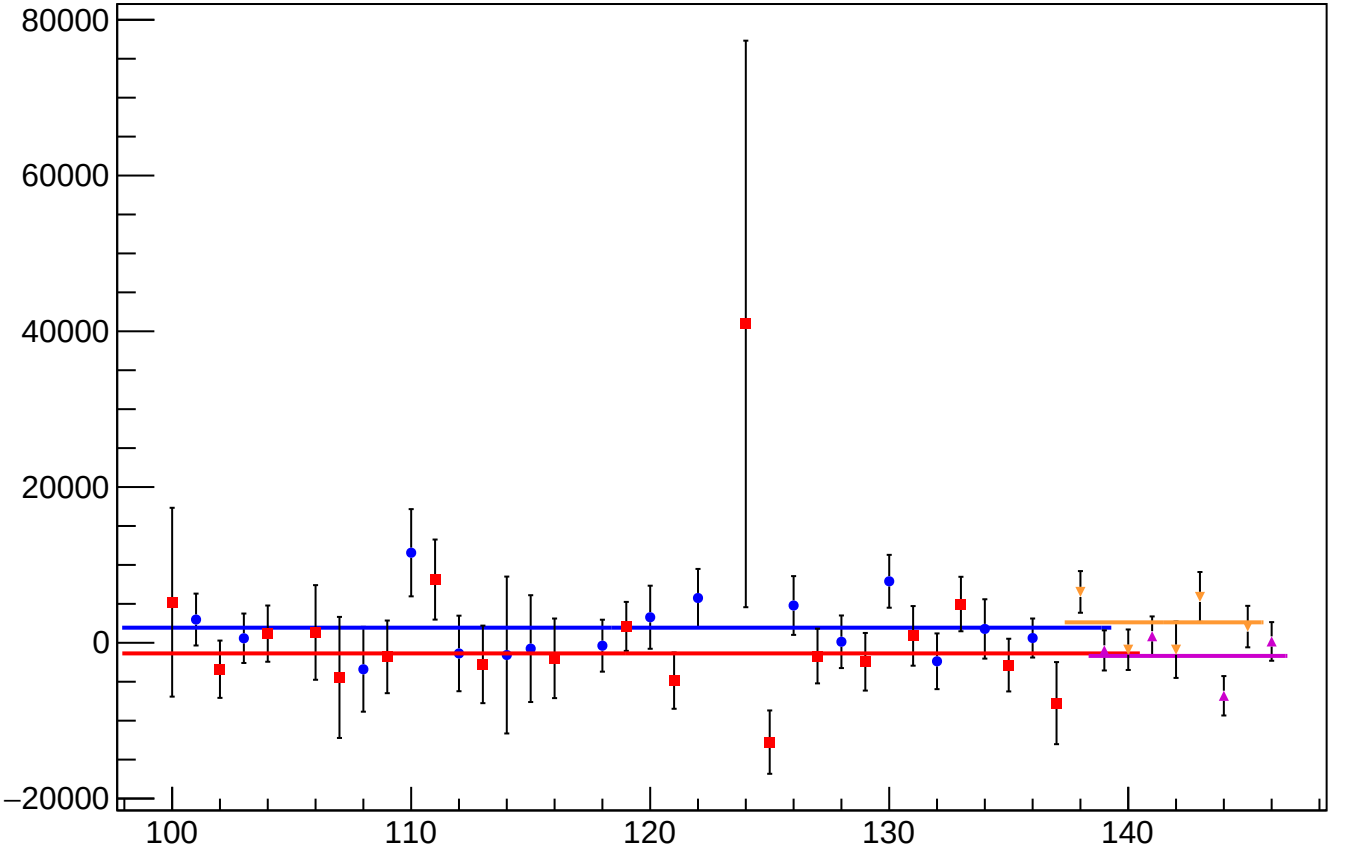
Left In: 942.715+/-0.375 χ^2/NDF:569251.6/3

+ sign 917.855+/-0.213 χ^2/NDF: 2693549.4/20

All: 936.146+/-0.155 χ^2/NDF: 5589856.6/43

- sign 956.568+/-0.225 χ^2/NDF: 2880741.4/22

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2625.638+/-1288.410 χ^2/NDF:6.0/4

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

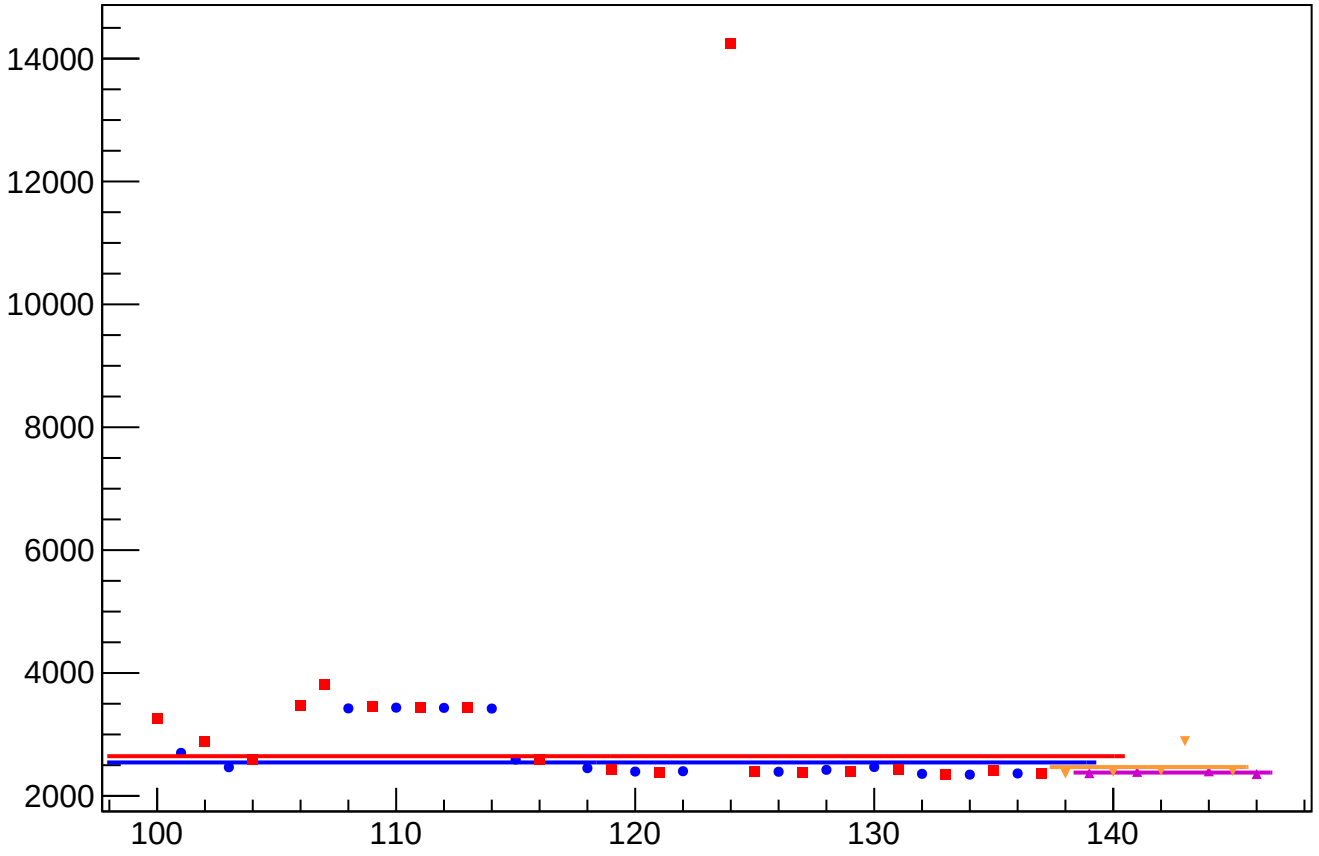
Left In: -1685.359+/-1265.894 χ^2/NDF:5.7/3

+ sign 2182.317+/-765.941 χ^2/NDF: 18.4/20

All: 376.498+/-545.676 χ^2/NDF: 57.2/43

- sign -1484.689+/-777.595 χ^2/NDF: 27.5/22

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2469.240+/-0.911 χ^2/NDF:41616.0/4

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

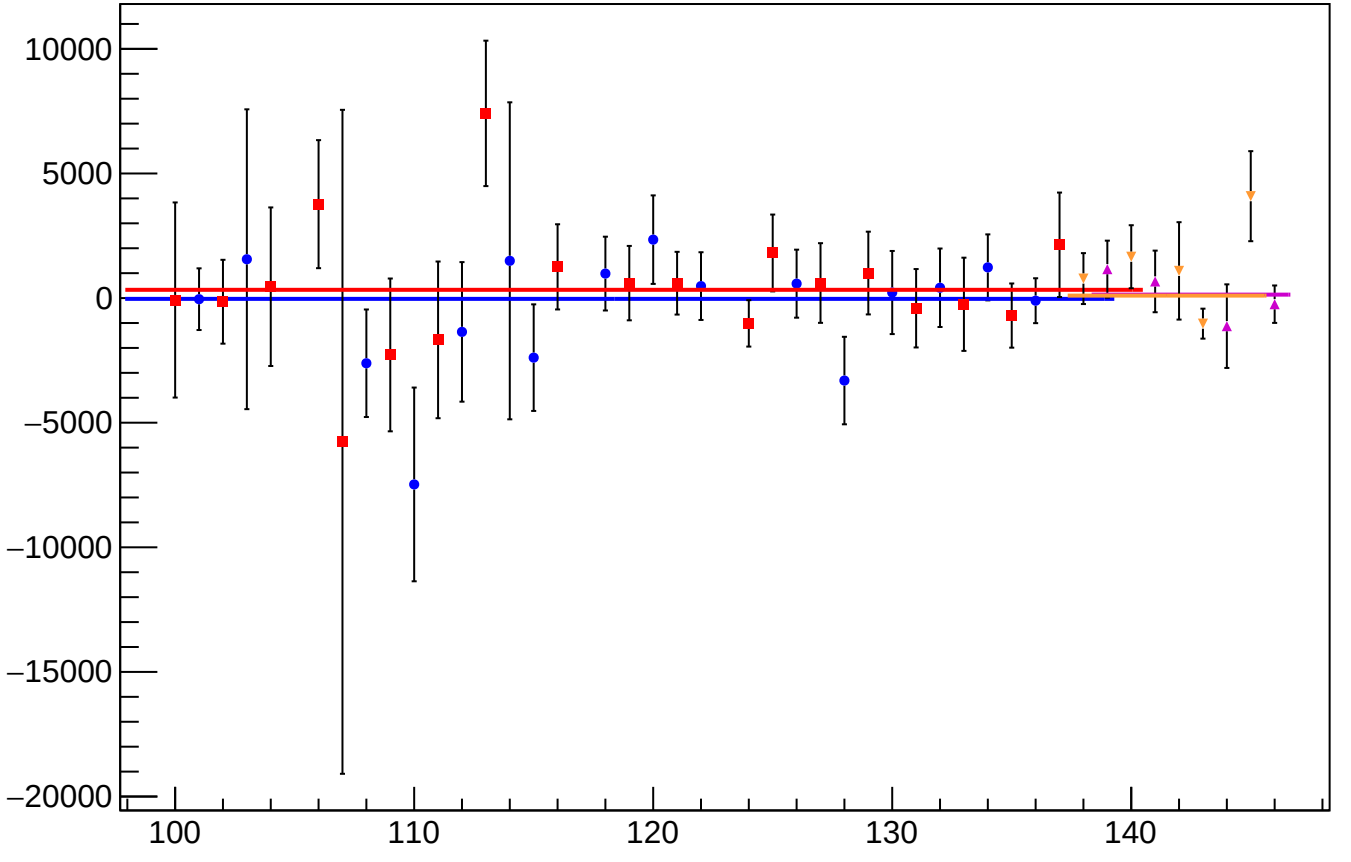
Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

+ sign 2517.848+/-0.542 χ^2/NDF: 271632.6/20

All: 2531.545+/-0.386 χ^2/NDF: 868038.4/43

- sign 2545.663+/-0.550 χ^2/NDF: 595106.9/22

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 99.761+/-451.031 χ^2/NDF:10.6/4

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

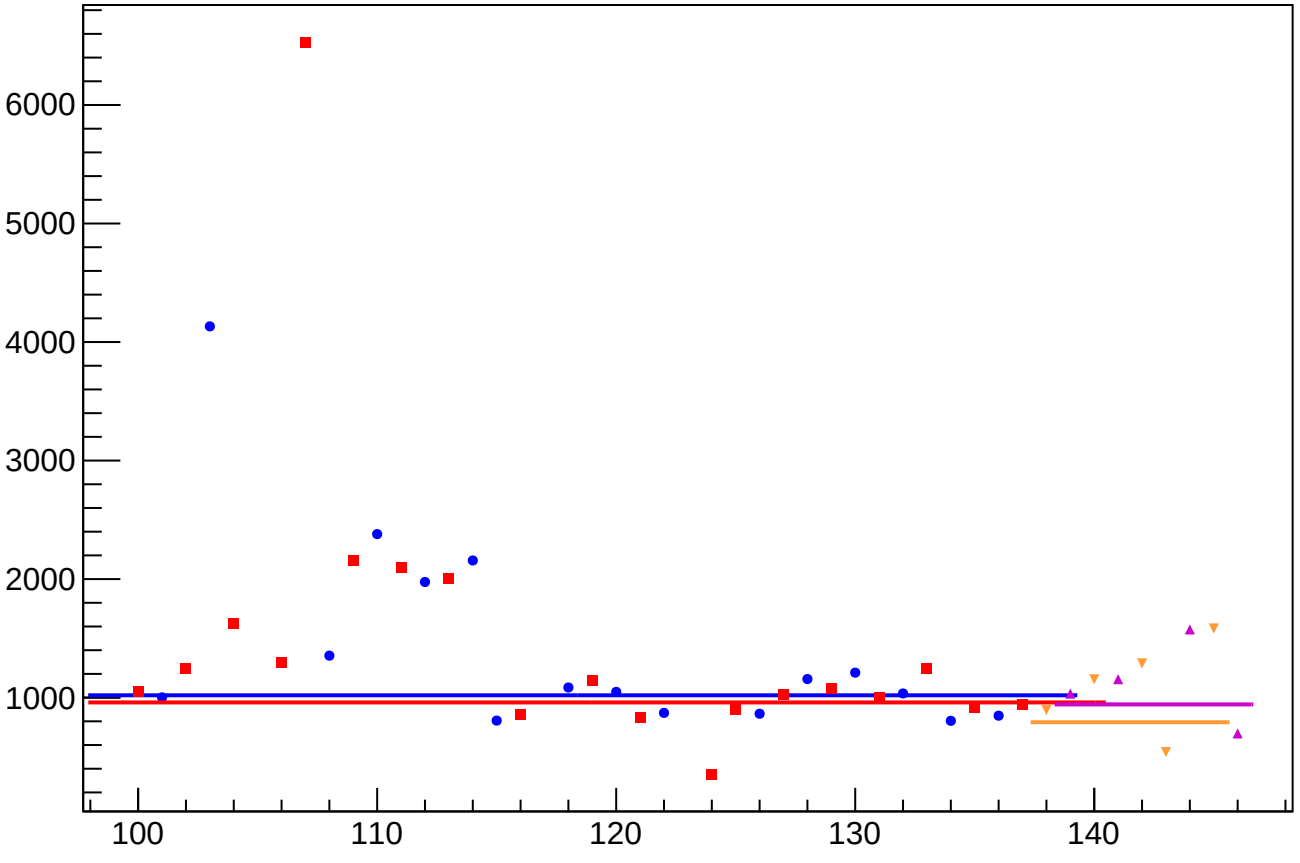
Left In: 138.795+/-530.772 χ^2/NDF:1.8/3

\+ sign 27.345+/-301.640 χ^2/NDF: 24.4/20

All: 138.142+/-219.206 χ^2/NDF: 41.0/43

\- sign 262.142+/-319.105 χ^2/NDF: 16.3/22

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 792.255+/-0.319 χ^2/NDF:1047928.7/4

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

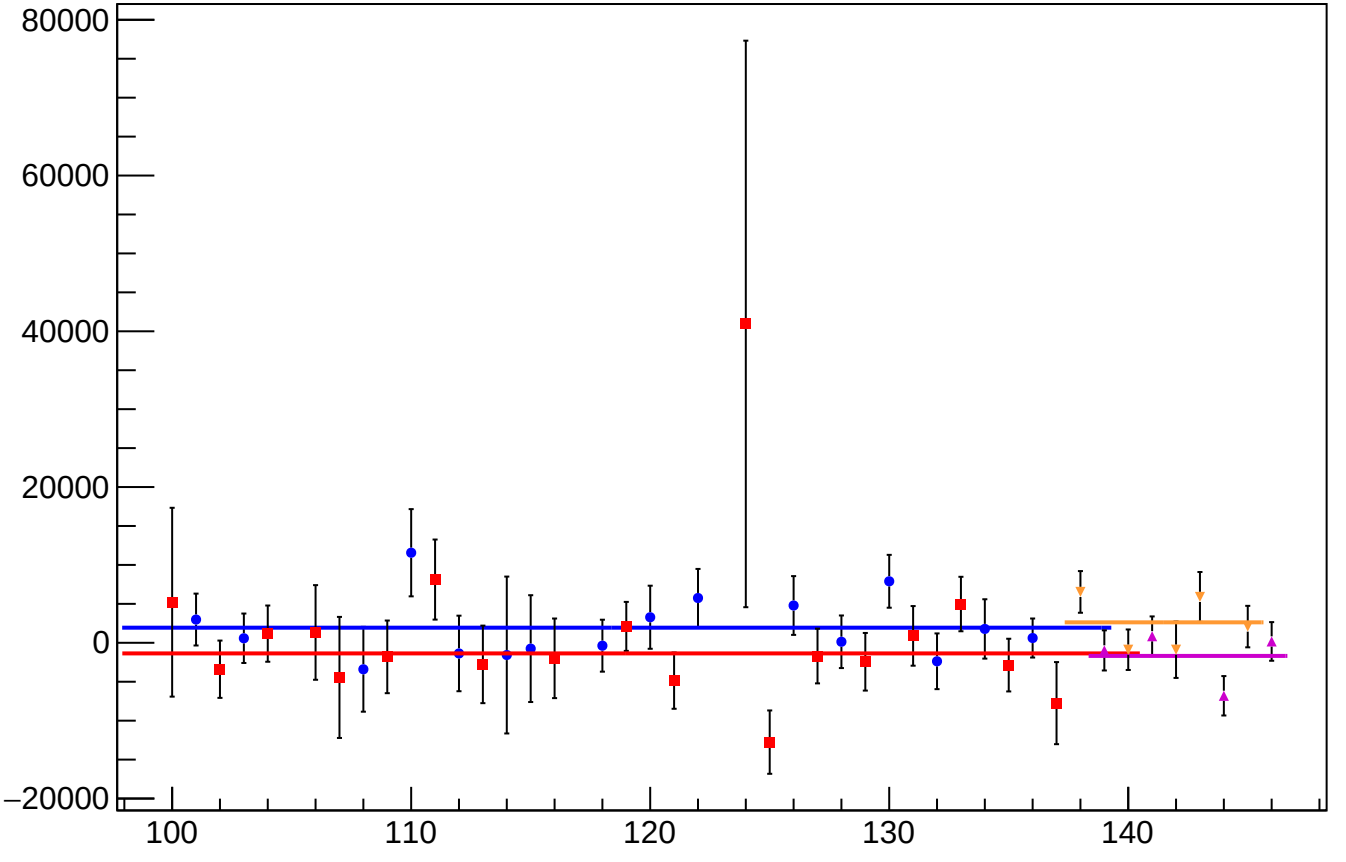
Left In: 942.706+/-0.375 χ^2/NDF:569276.1/3

+ sign 917.869+/-0.213 χ^2/NDF: 2693328.4/20

All: 934.603+/-0.155 χ^2/NDF: 5621337.7/43

- sign 953.330+/-0.226 χ^2/NDF: 2914965.8/22

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2625.638+/-1288.410 χ^2/NDF:6.0/4

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

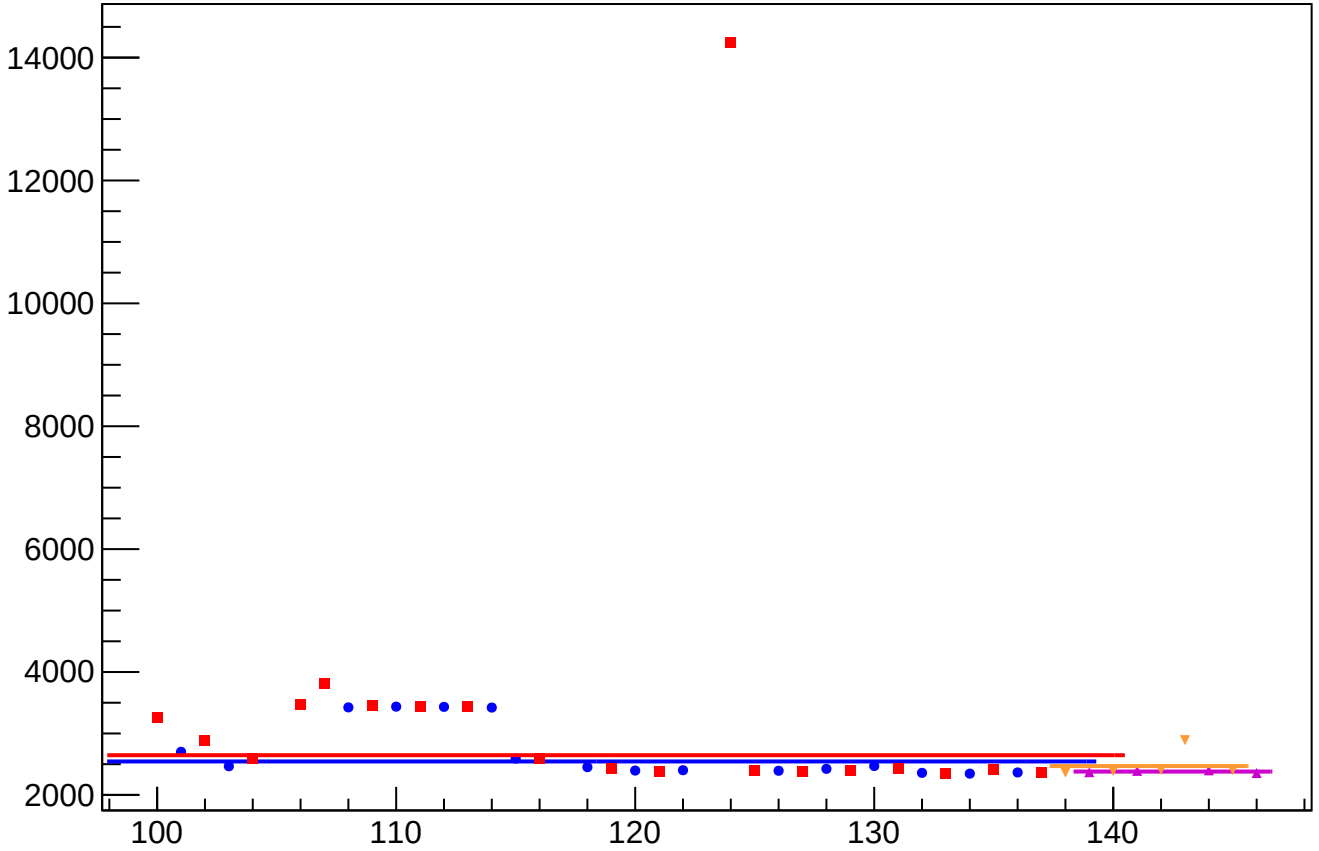
Left In: -1685.359+/-1265.894 χ^2/NDF:5.7/3

+ sign 2182.317+/-765.941 χ^2/NDF: 18.4/20

All: 376.498+/-545.676 χ^2/NDF: 57.2/43

- sign -1484.689+/-777.595 χ^2/NDF: 27.5/22

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2469.240+/-0.911 χ^2/NDF:41616.0/4

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

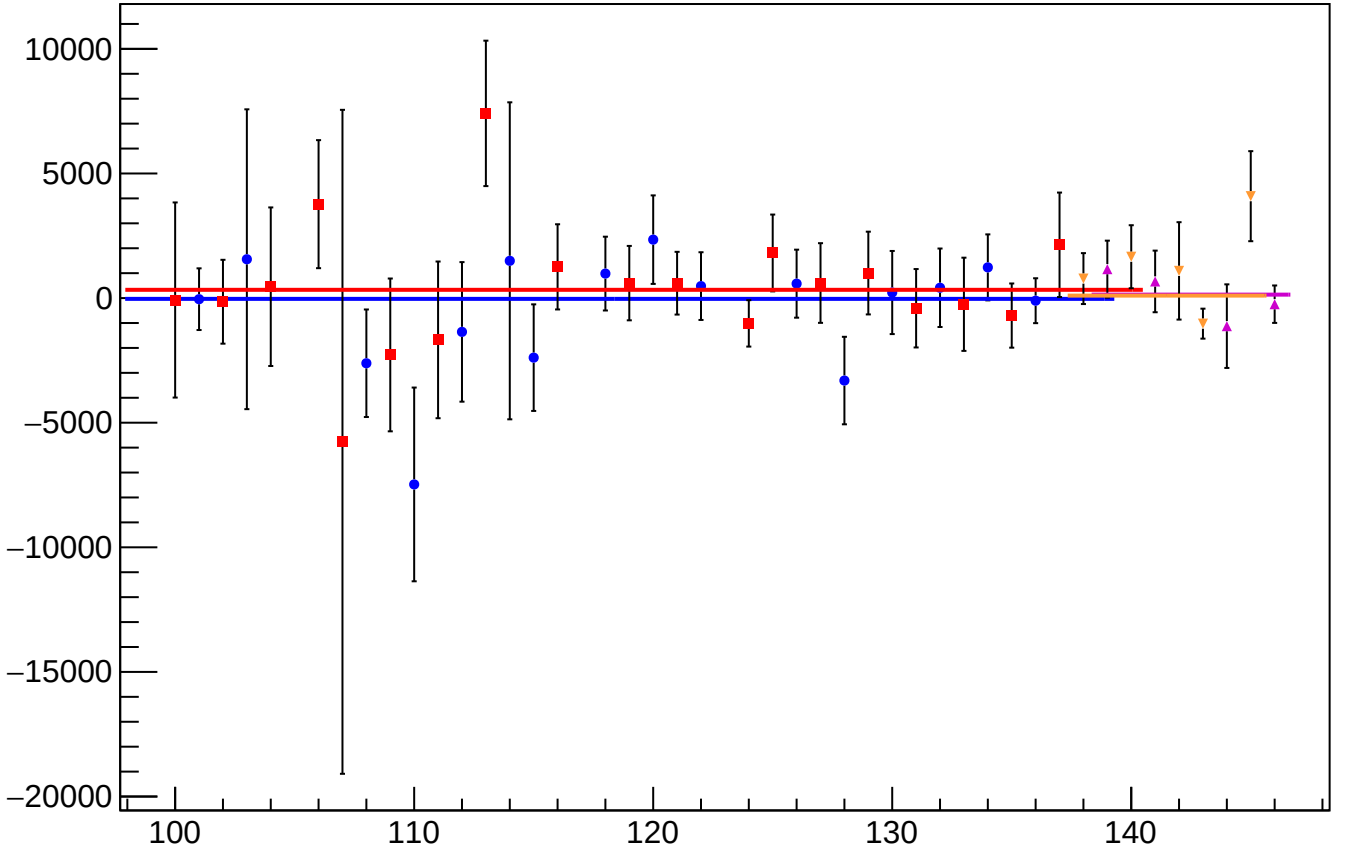
Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

+ sign 2517.848+/-0.542 χ^2/NDF: 271632.6/20

All: 2531.545+/-0.386 χ^2/NDF: 868038.4/43

- sign 2545.663+/-0.550 χ^2/NDF: 595106.9/22

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 99.761+/-451.031 χ^2/NDF:10.6/4

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

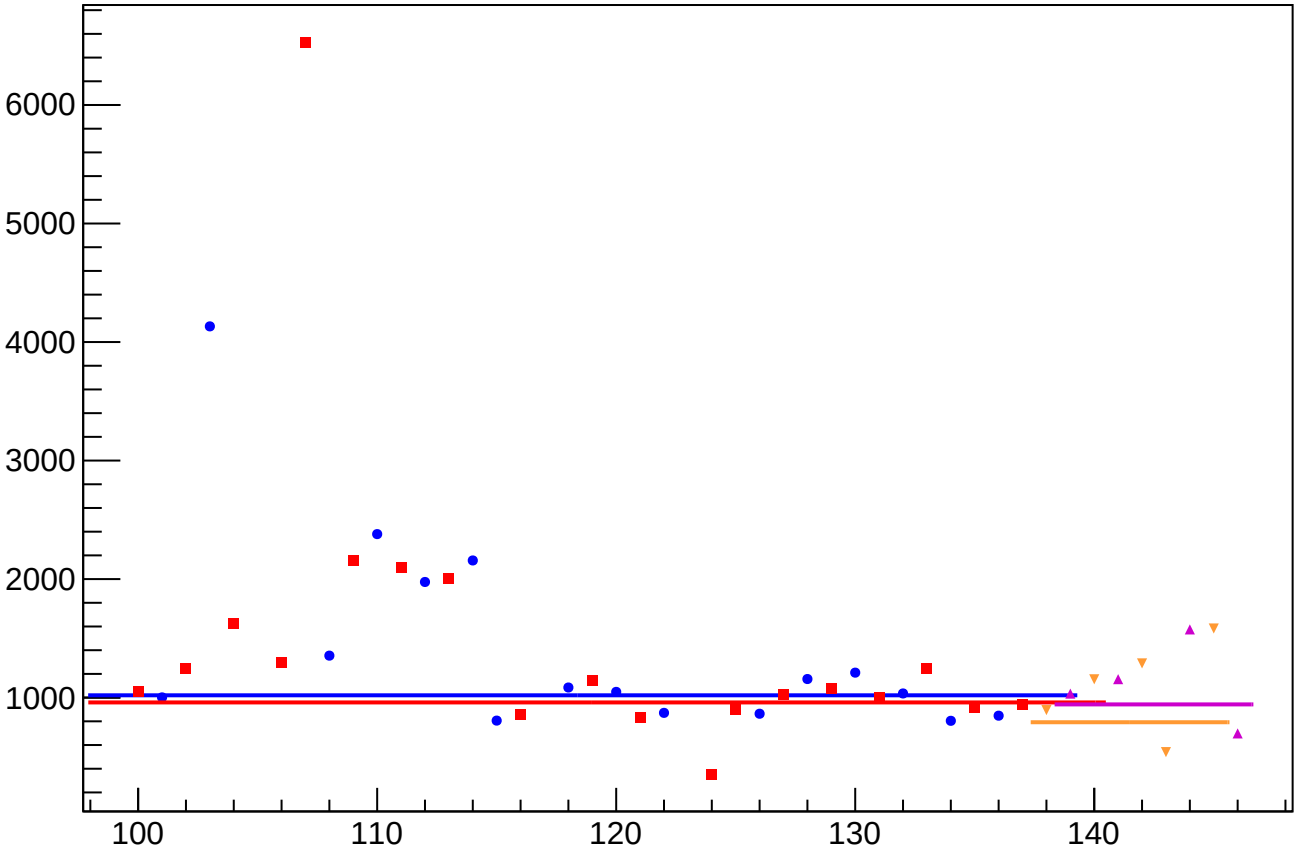
Left In: 138.795+/-530.772 χ^2/NDF:1.8/3

+ sign 27.345+/-301.640 χ^2/NDF: 24.4/20

All: 138.142+/-219.206 χ^2/NDF: 41.0/43

- sign 262.142+/-319.105 χ^2/NDF: 16.3/22

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 792.255+/-0.319 χ^2/NDF:1047928.7/4

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

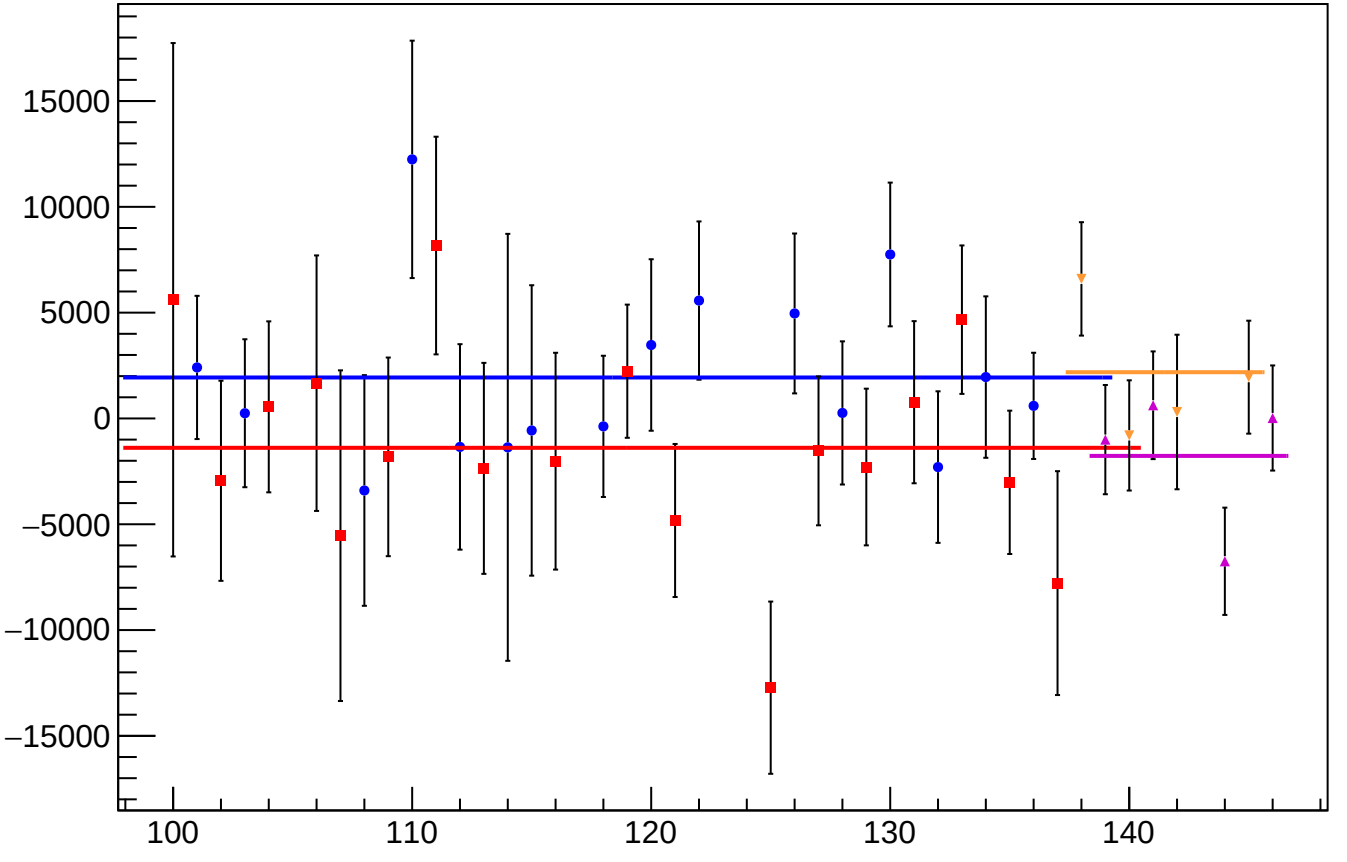
Left In: 942.706+/-0.375 χ^2/NDF:569276.1/3

+ sign 917.869+/-0.213 χ^2/NDF: 2693328.4/20

All: 934.603+/-0.155 χ^2/NDF: 5621337.7/43

- sign 953.330+/-0.226 χ^2/NDF: 2914965.8/22

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2185.316+/-1411.373 χ^2/NDF:4.3/3

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

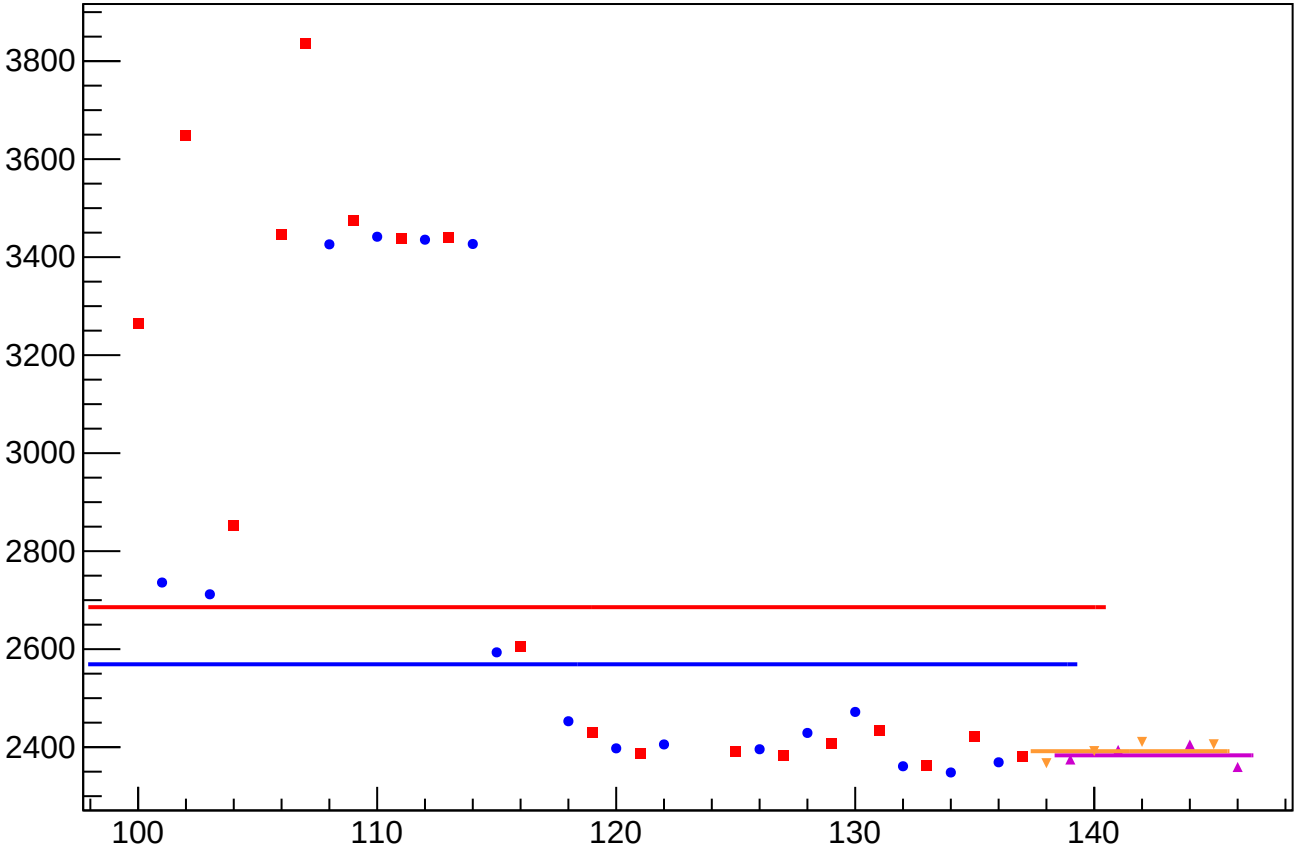
Left In: -1769.617+/-1267.828 χ^2/NDF:5.4/3

+ sign 2015.117+/-795.091 χ^2/NDF: 16.7/19

All: 227.266+/-560.242 χ^2/NDF: 51.9/41

- sign -1535.722+/-789.543 χ^2/NDF: 25.2/21

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2391.783+/-0.998 χ^2/NDF:276.9/3

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

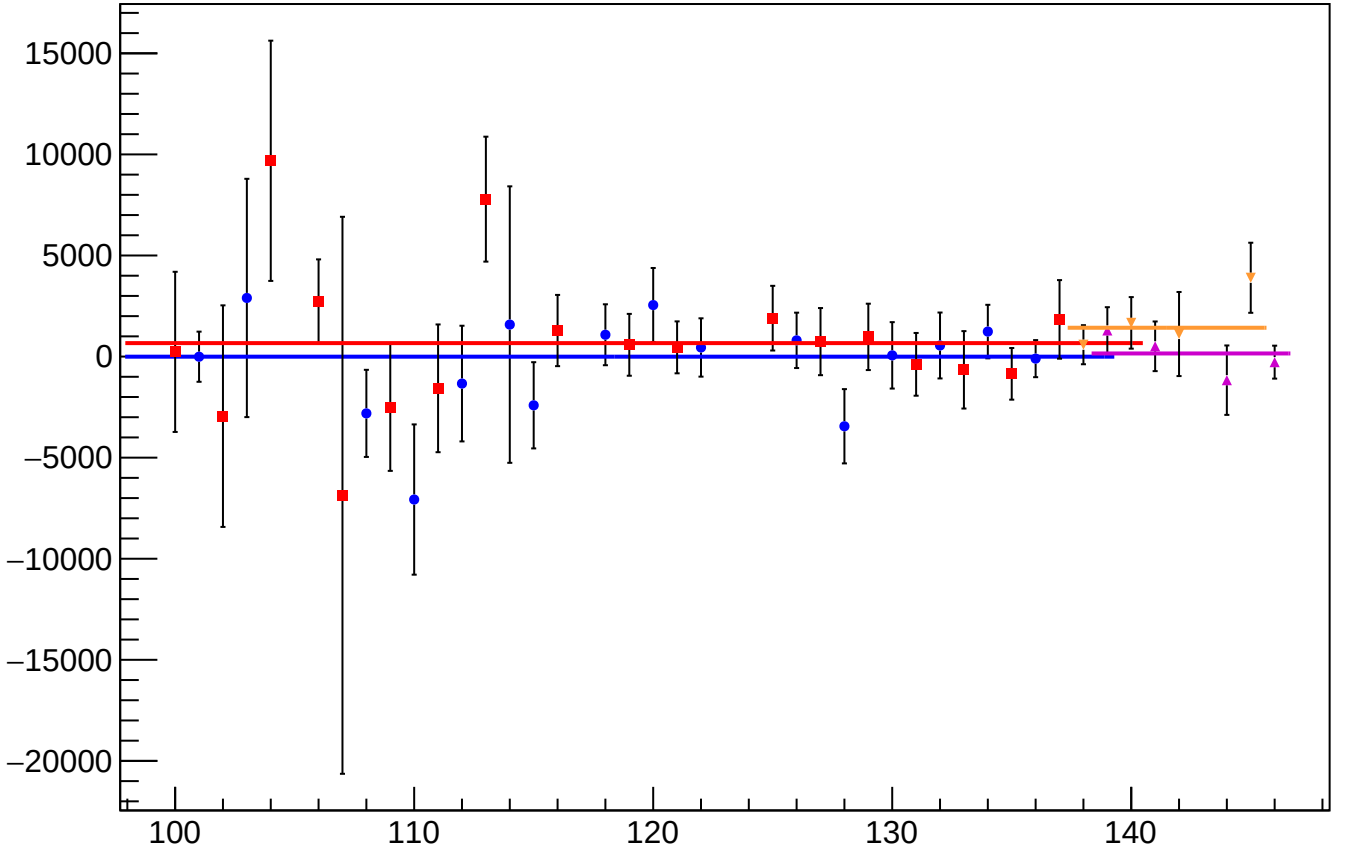
Left In: 2383.338+/-0.896 χ^2/NDF:392.3/3

+ sign 2512.847+/-0.562 χ^2/NDF: 251321.2/19

All: 2540.829+/-0.396 χ^2/NDF: 745523.8/41

- sign 2568.422+/-0.558 χ^2/NDF: 489282.7/21

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1425.808+/-666.633 χ^2/NDF:2.8/3

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

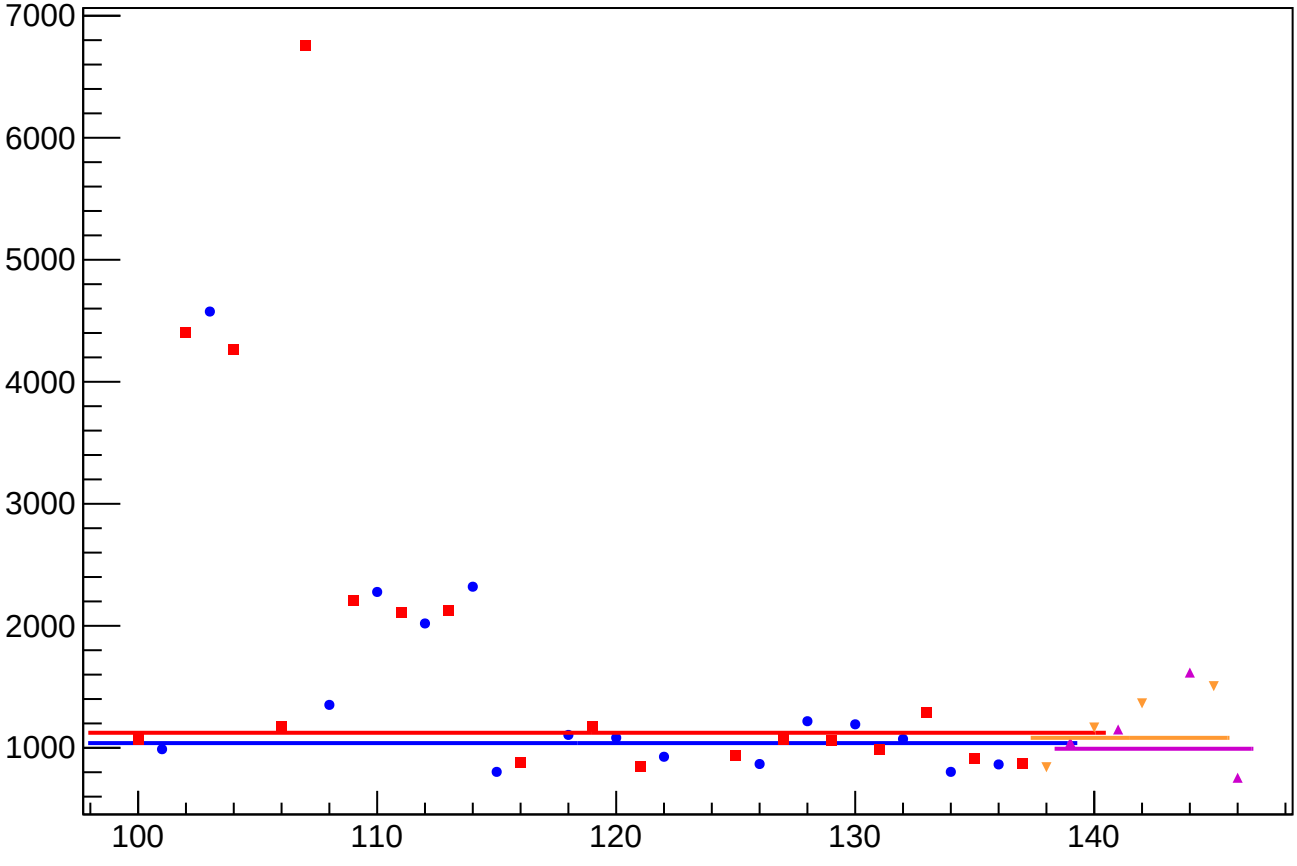
Left In: 154.097+/-553.549 χ^2/NDF:1.9/3

+ sign 390.685+/-350.621 χ^2/NDF: 20.7/19

All: 423.322+/-249.120 χ^2/NDF: 37.5/41

- sign 456.594+/-354.020 χ^2/NDF: 16.8/21

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 1081.913+/-0.471 χ^2/NDF:289406.4/3

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

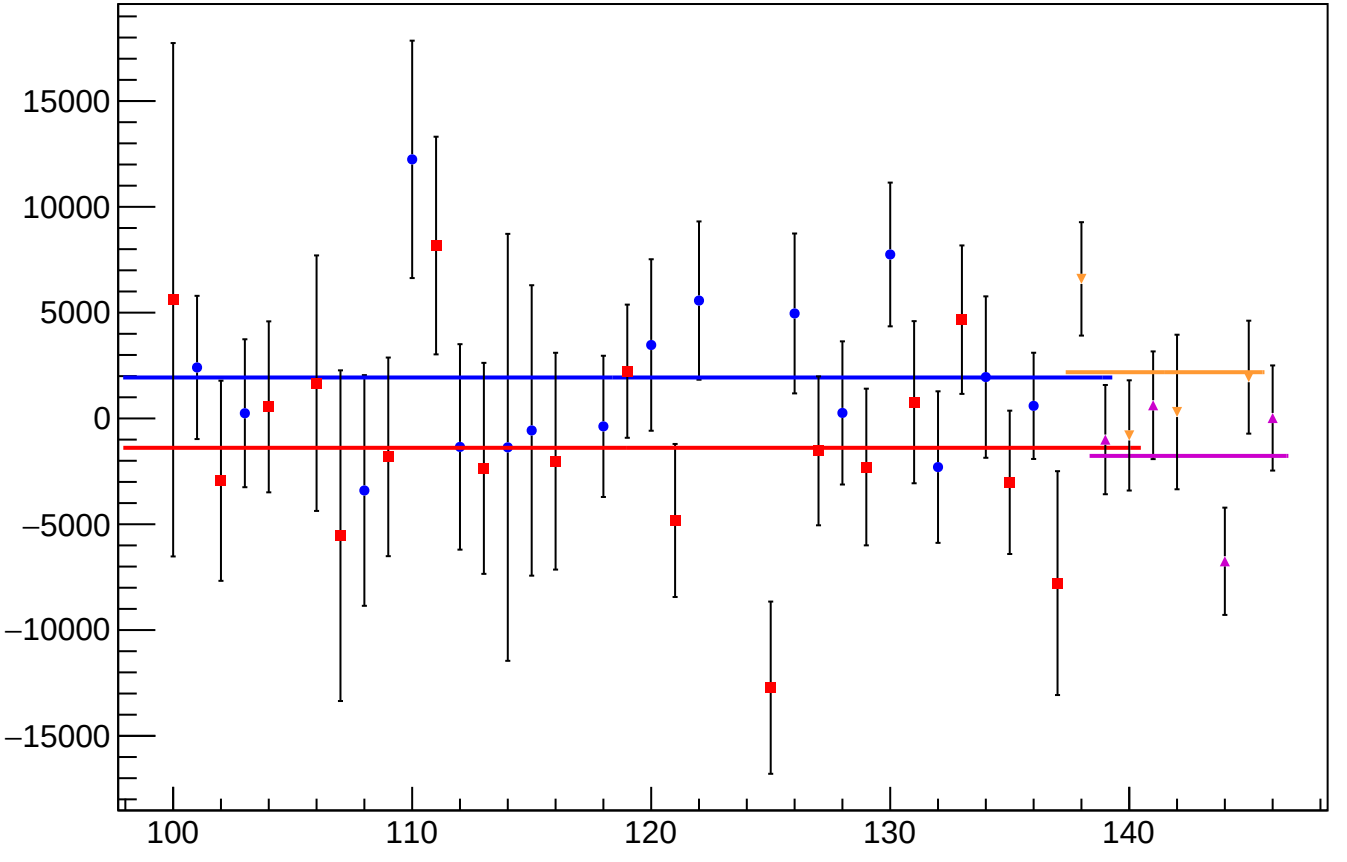
Left In: 992.441+/-0.391 χ^2/NDF:471808.9/3

+ sign 1050.729+/-0.248 χ^2/NDF: 1835187.9/19

All: 1060.211+/-0.176 χ^2/NDF: 4911692.6/41

- sign 1069.879+/-0.250 χ^2/NDF: 3073550.3/21

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2185.321+/-1411.373 χ^2/NDF:4.3/3

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

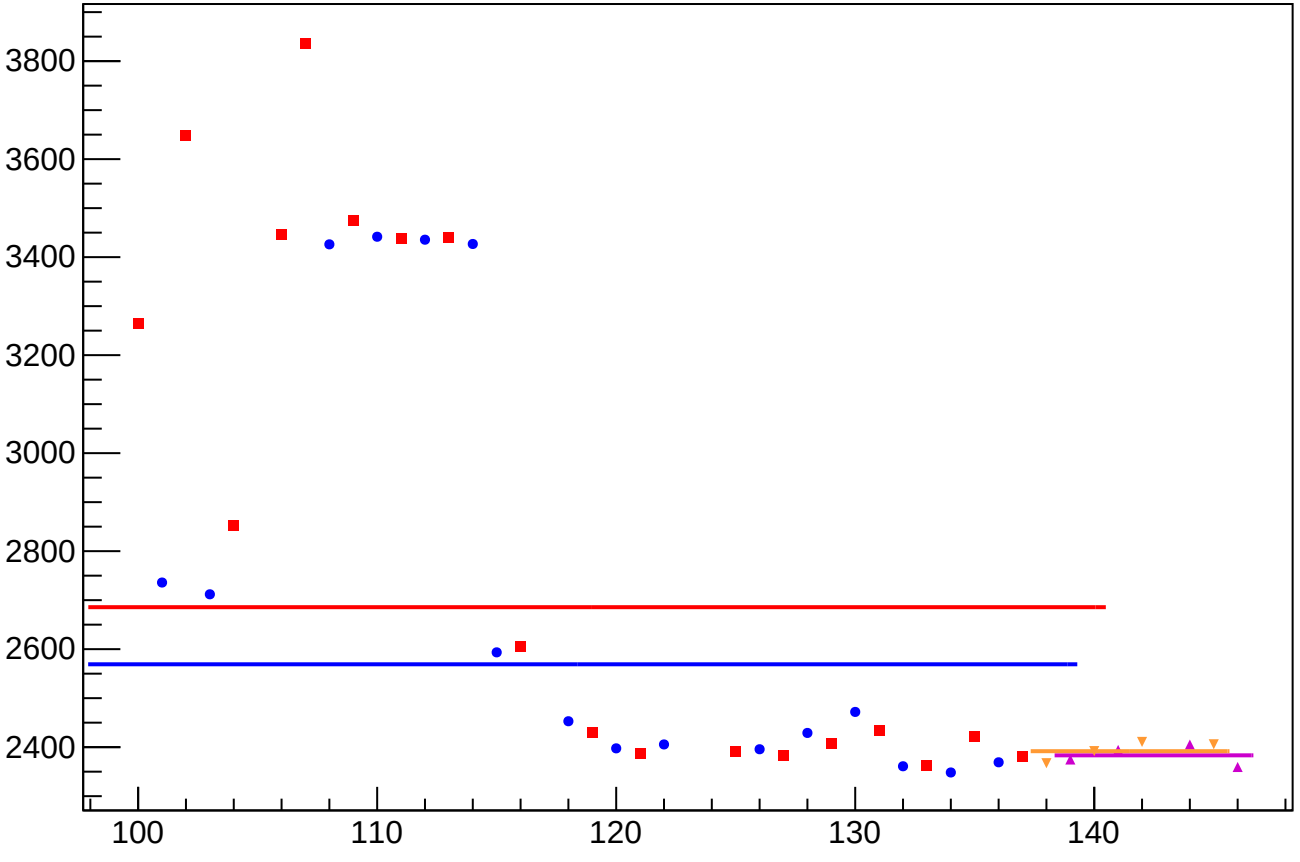
Left In: -1769.616+/-1267.828 χ^2/NDF:5.4/3

+ sign 2015.116+/-795.091 χ^2/NDF: 16.7/19

All: 227.267+/-560.242 χ^2/NDF: 51.9/41

- sign -1535.720+/-789.543 χ^2/NDF: 25.2/21

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2391.783+/-0.998 χ^2/NDF:276.9/3

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

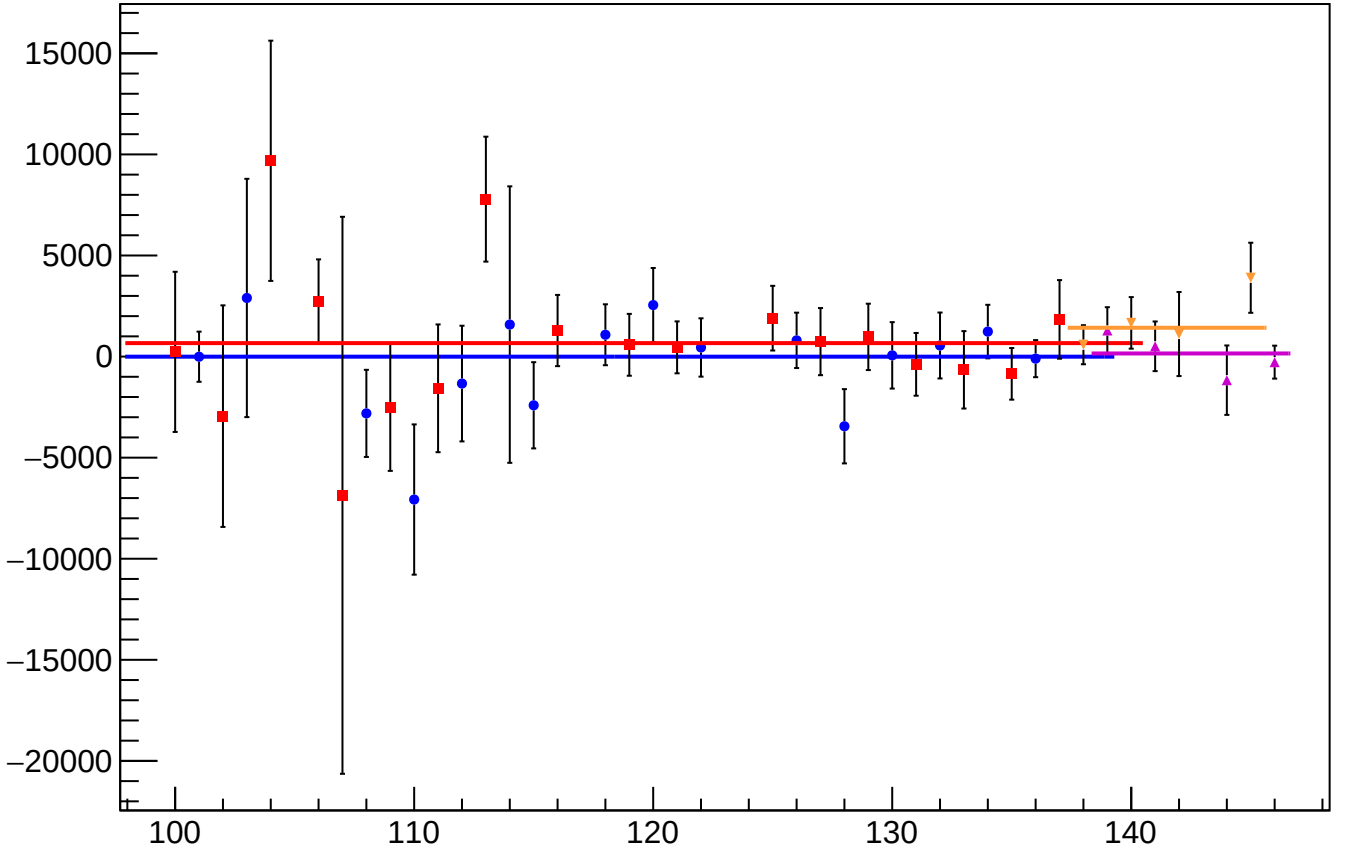
Left In: 2383.338+/-0.896 χ^2/NDF:392.3/3

+ sign 2512.847+/-0.562 χ^2/NDF: 251320.9/19

All: 2540.829+/-0.396 χ^2/NDF: 745522.7/41

- sign 2568.422+/-0.558 χ^2/NDF: 489282.0/21

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1425.811+/-666.633 χ^2/NDF:2.8/3

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

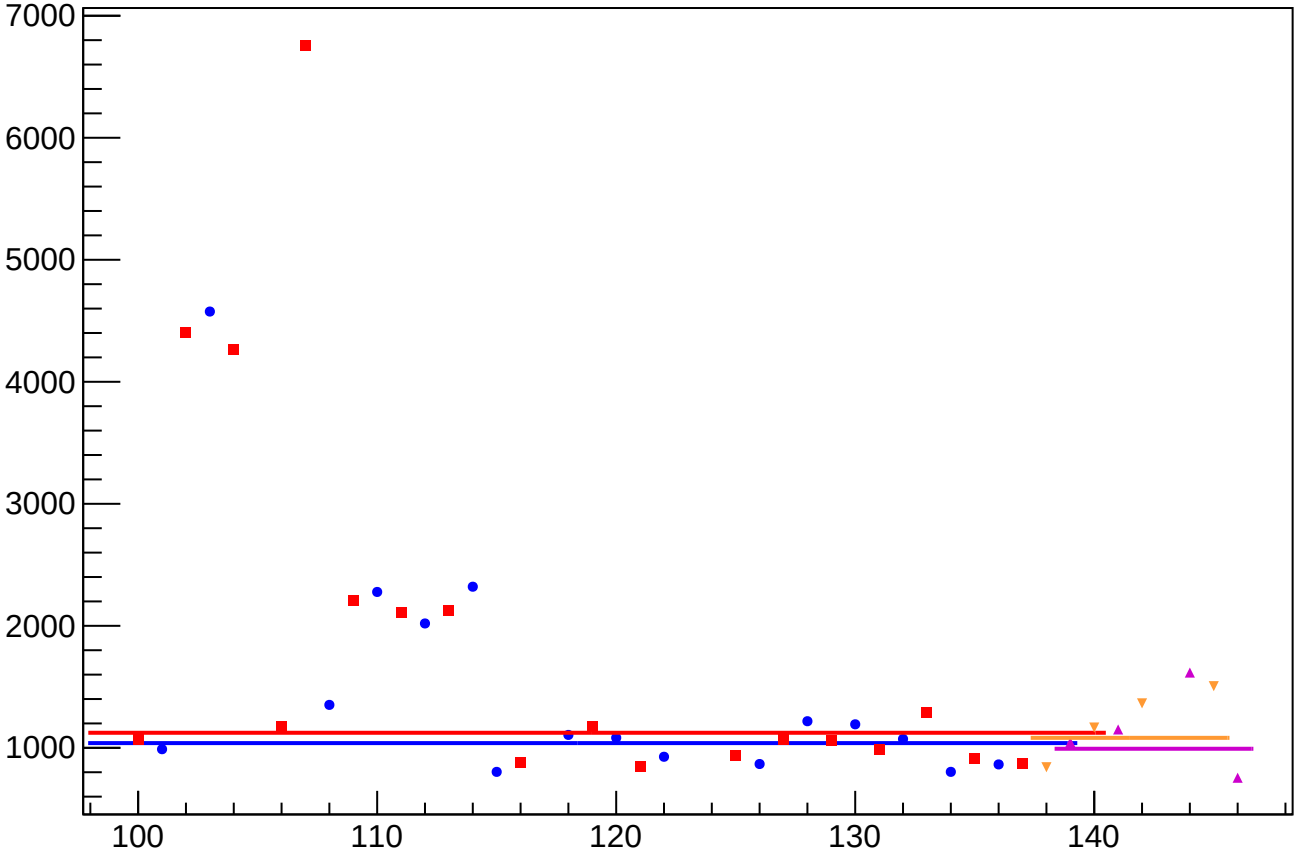
Left In: 154.099+/-553.550 χ^2/NDF:1.9/3

+ sign 390.684+/-350.621 χ^2/NDF: 20.7/19

All: 423.322+/-249.120 χ^2/NDF: 37.5/41

- sign 456.595+/-354.020 χ^2/NDF: 16.8/21

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 1081.914+/-0.471 χ^2/NDF:289406.8/3

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

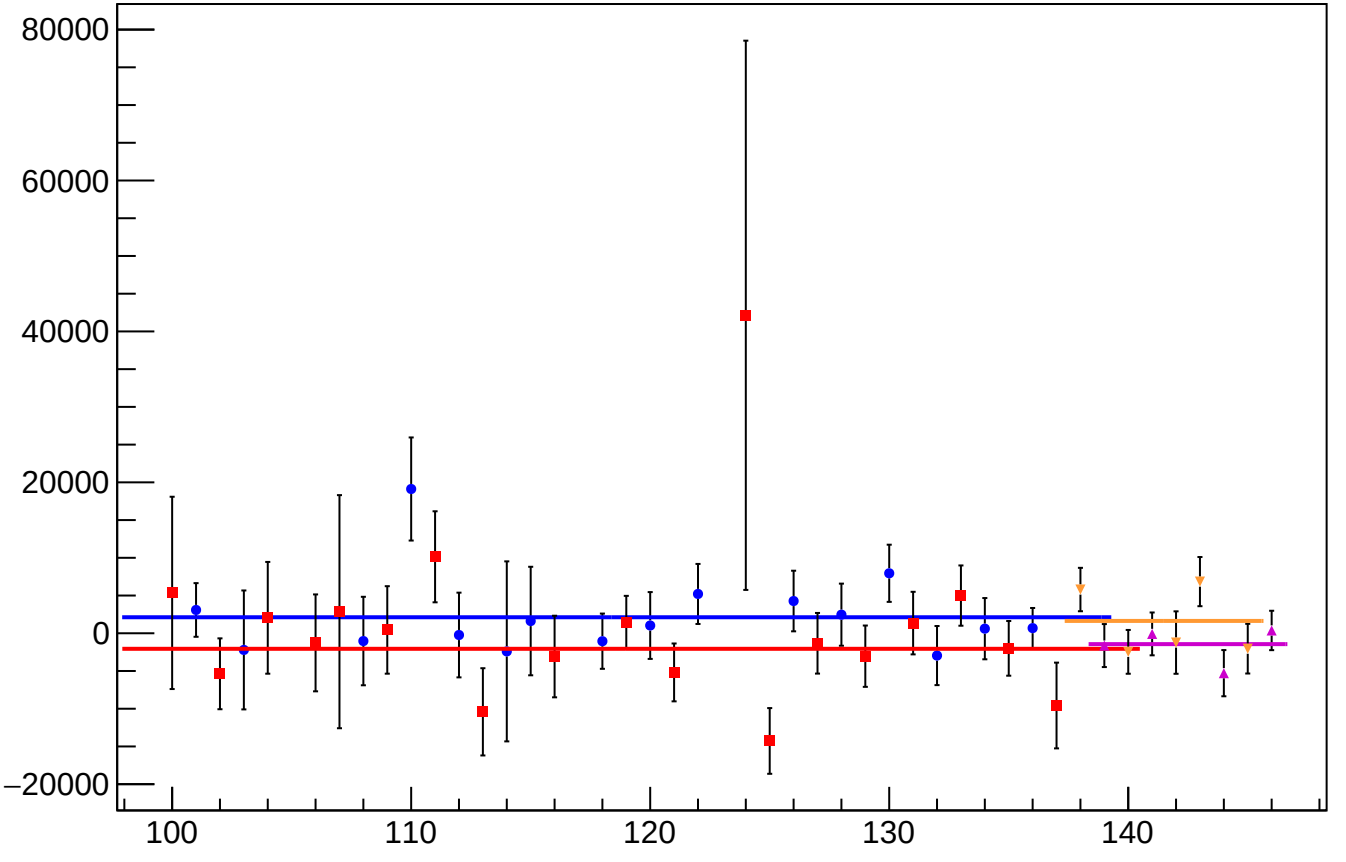
Left In: 992.442+/-0.391 χ^2/NDF:471809.2/3

+ sign 1050.729+/-0.248 χ^2/NDF: 1835182.0/19

All: 1060.212+/-0.176 χ^2/NDF: 4911684.1/41

- sign 1069.880+/-0.250 χ^2/NDF: 3073547.8/21

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1635.880+/-1436.493 χ^2/NDF:8.4/4

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

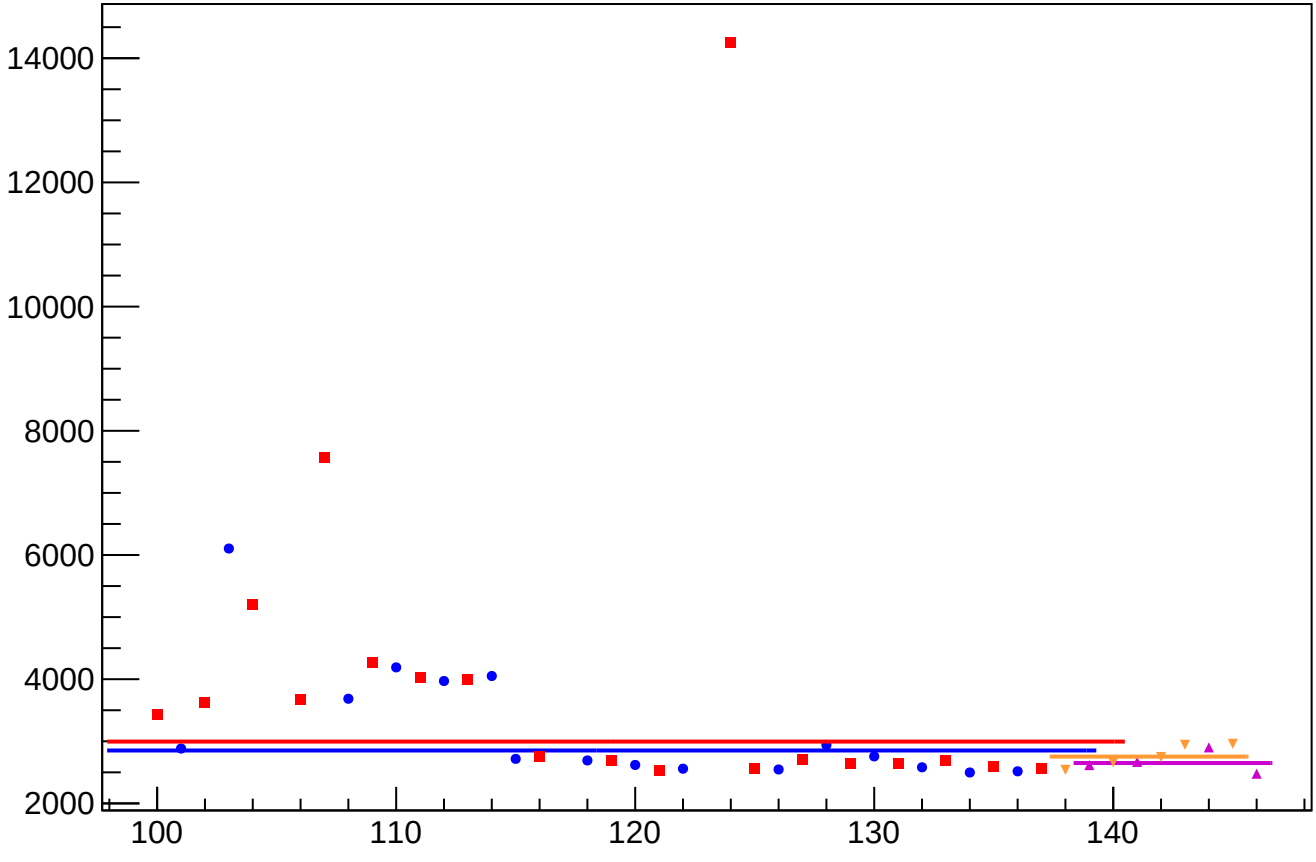
Left In: -1439.679+/-1412.923 χ^2/NDF:2.3/3

+ sign 1945.469+/-865.635 χ^2/NDF: 21.8/20

All: 107.819+/-619.074 χ^2/NDF: 57.8/43

- sign -1816.080+/-885.716 χ^2/NDF: 26.7/22

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2753.605+/-1.016 χ^2/NDF:27529.5/4

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

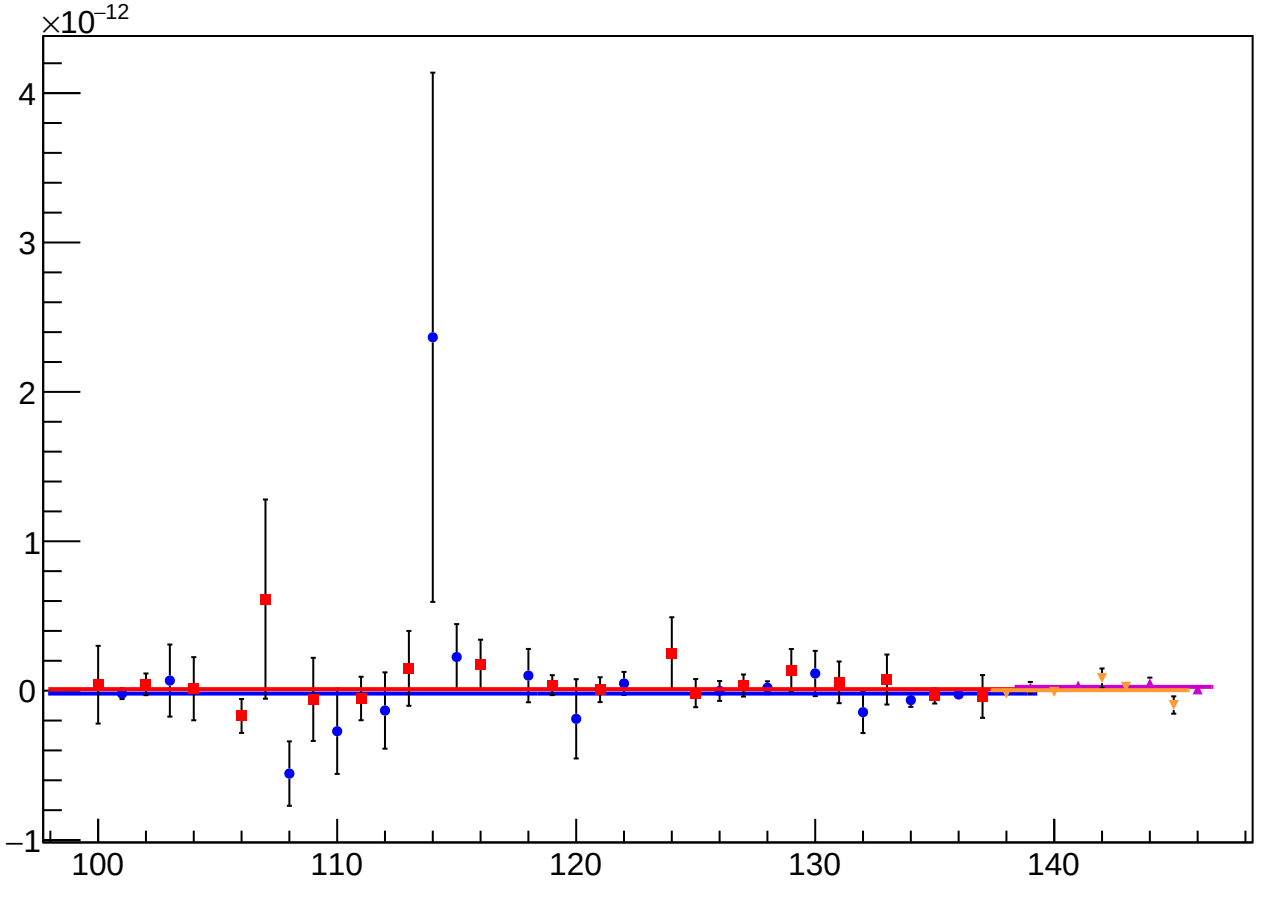
Left In: 2650.230+/-0.999 χ^2/NDF:22568.7/3

+ sign 2816.401+/-0.612 χ^2/NDF: 682245.8/20

All: 2837.621+/-0.438 χ^2/NDF: 1758951.9/43

- sign 2859.837+/-0.626 χ^2/NDF: 1074246.0/22

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:6.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

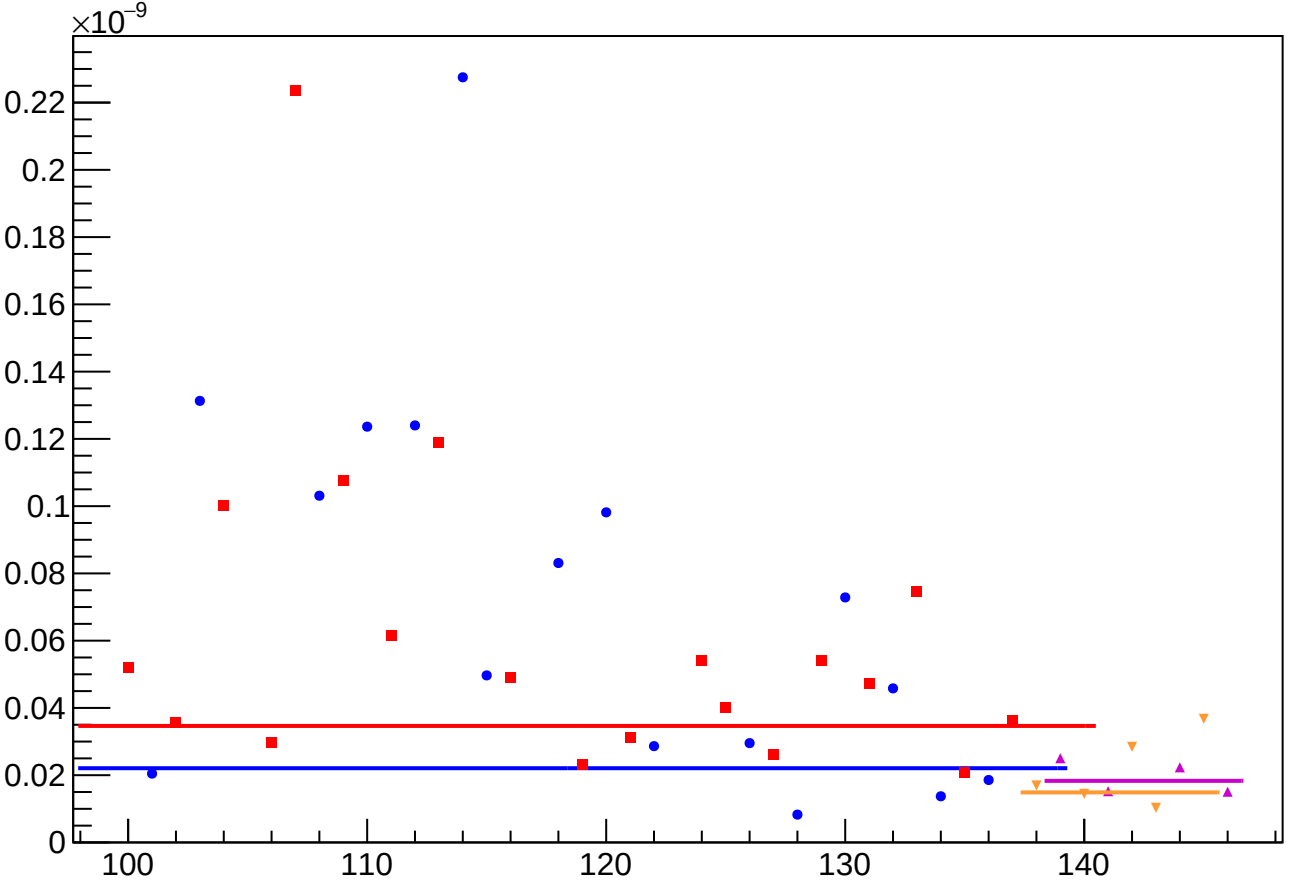
Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.3/20

All: 0.000+/-0.000 χ^2/NDF: 35.1/43

- sign 0.000+/-0.000 χ^2/NDF: 9.4/22

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:495960.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

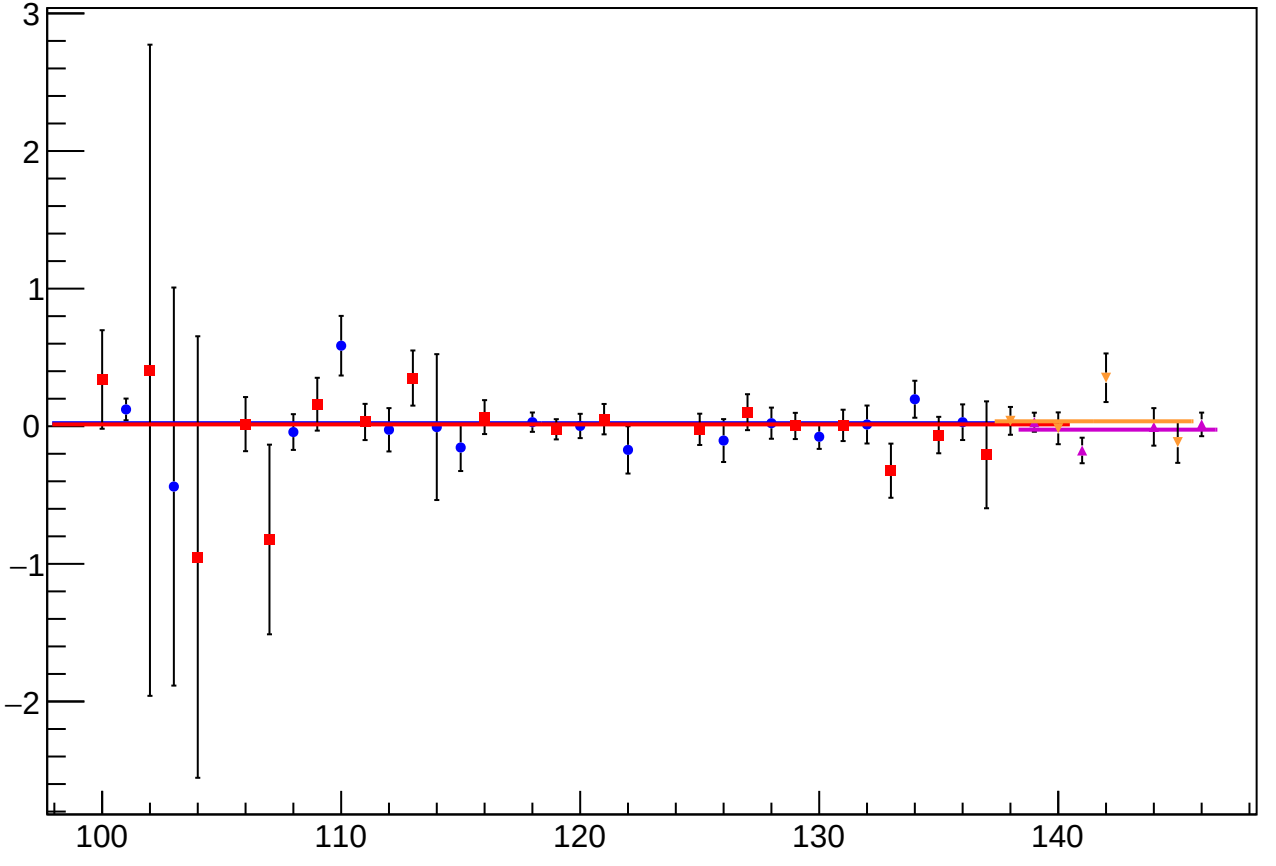
Left In: 0.000+/-0.000 χ^2/NDF:134045.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 3065919.9/20

All: 0.000+/-0.000 χ^2/NDF: 5301038.4/43

- sign 0.000+/-0.000 χ^2/NDF: 1996921.5/22

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.036+/-0.063 χ^2/NDF:4.4/3

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

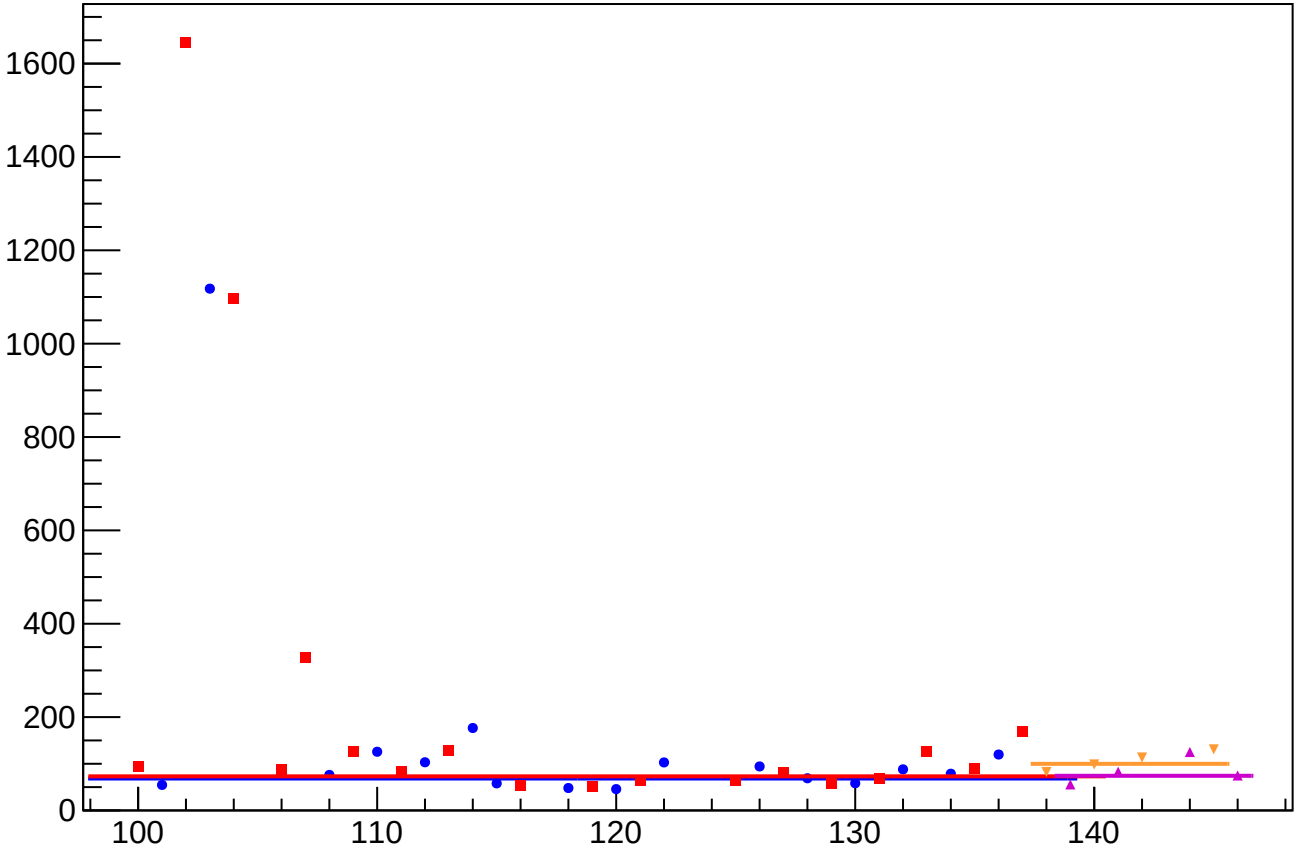
Left In: -0.025+/-0.044 χ^2/NDF:3.5/3

+ sign 0.025+/-0.027 χ^2/NDF: 19.3/19

All: 0.012+/-0.019 χ^2/NDF: 34.5/41

- sign -0.001+/-0.027 χ^2/NDF: 14.8/21

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 99.872+/-0.045 χ^2/NDF:155714.4/3

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

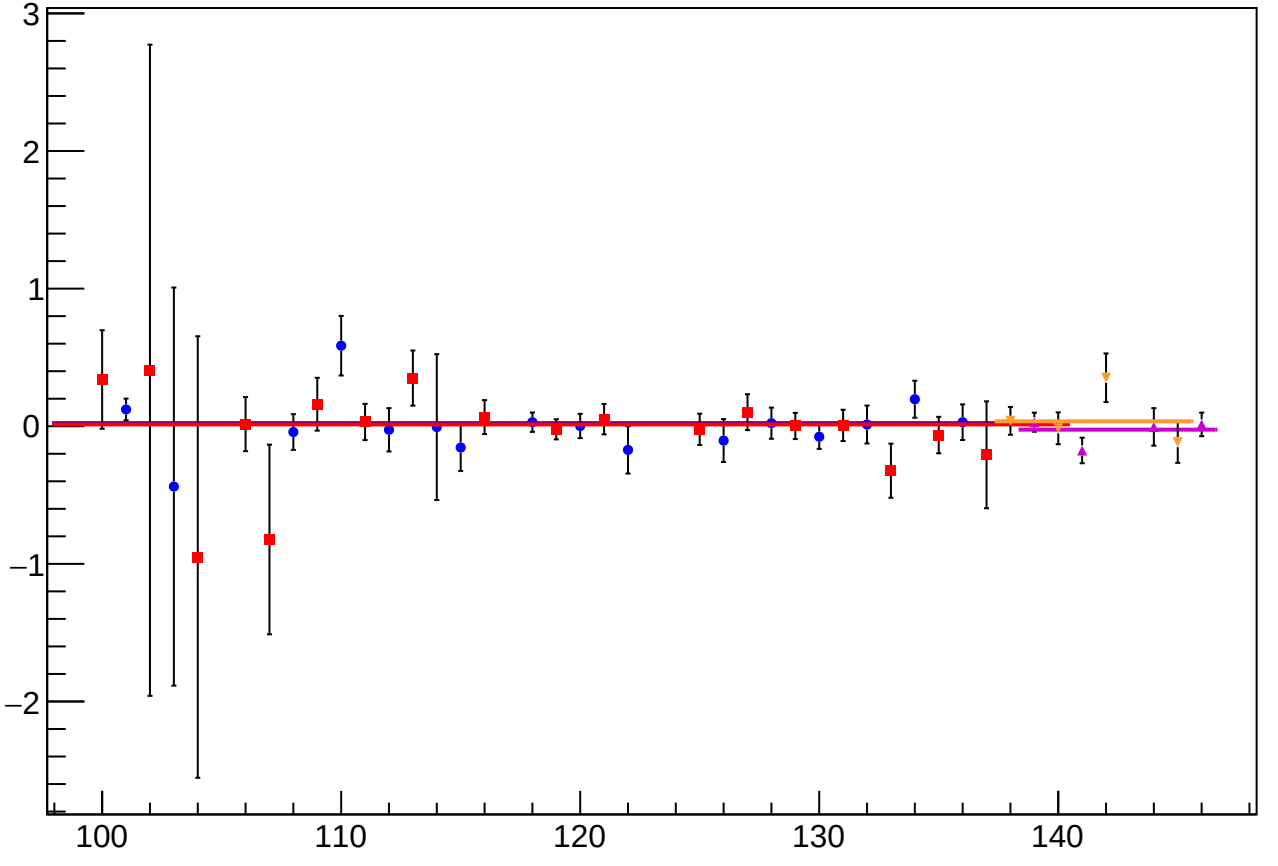
Left In: 74.253+/-0.031 χ^2/NDF:439598.8/3

+ sign 74.225+/-0.019 χ^2/NDF: 2834760.3/19

All: 73.857+/-0.013 χ^2/NDF: 6189133.1/41

- sign 73.504+/-0.019 χ^2/NDF: 3353656.1/21

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.036+/-0.063 χ^2/NDF:4.4/3

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

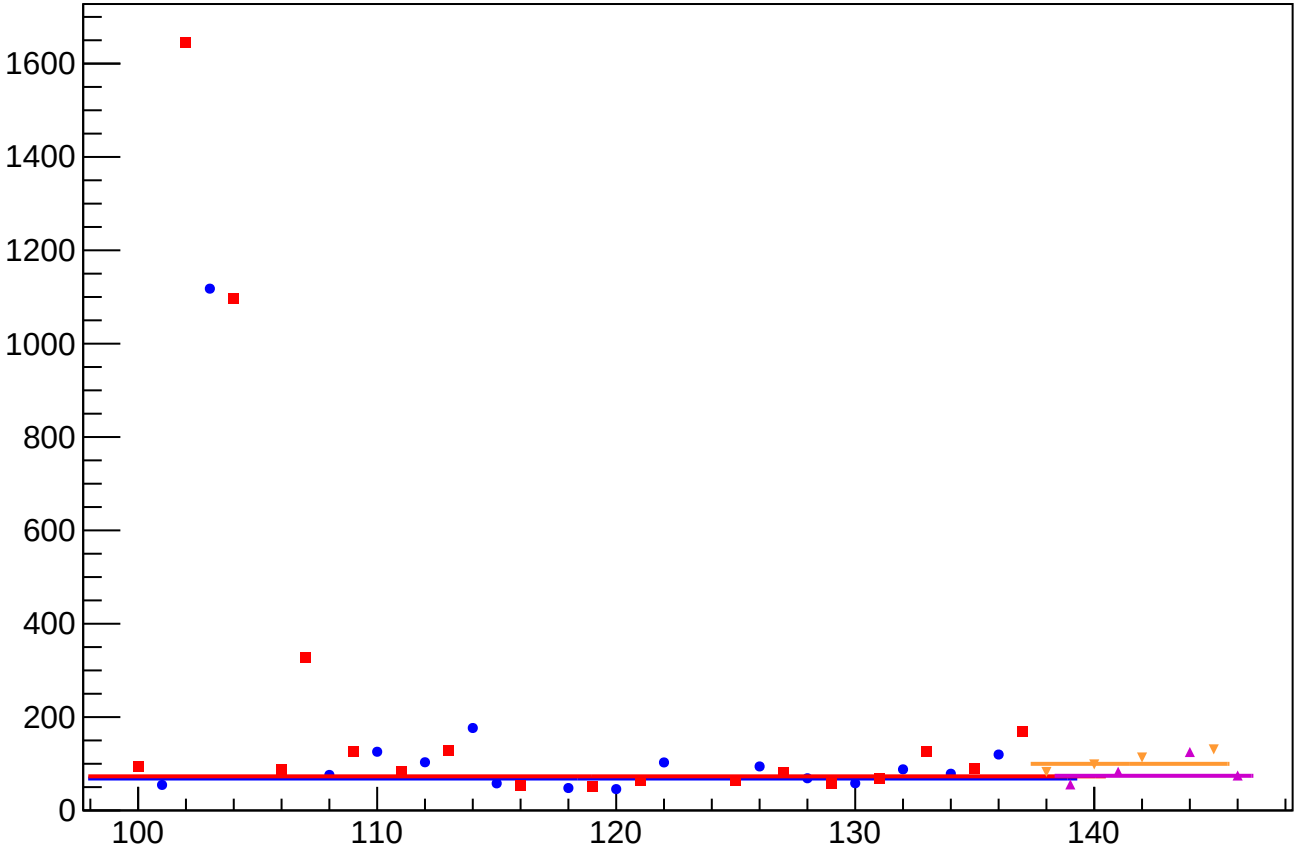
Left In: -0.025+/-0.044 χ^2/NDF:3.5/3

+ sign 0.025+/-0.027 χ^2/NDF: 19.3/19

All: 0.012+/-0.019 χ^2/NDF: 34.5/41

- sign -0.001+/-0.027 χ^2/NDF: 14.8/21

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 99.872+/-0.045 χ^2/NDF:155714.4/3

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

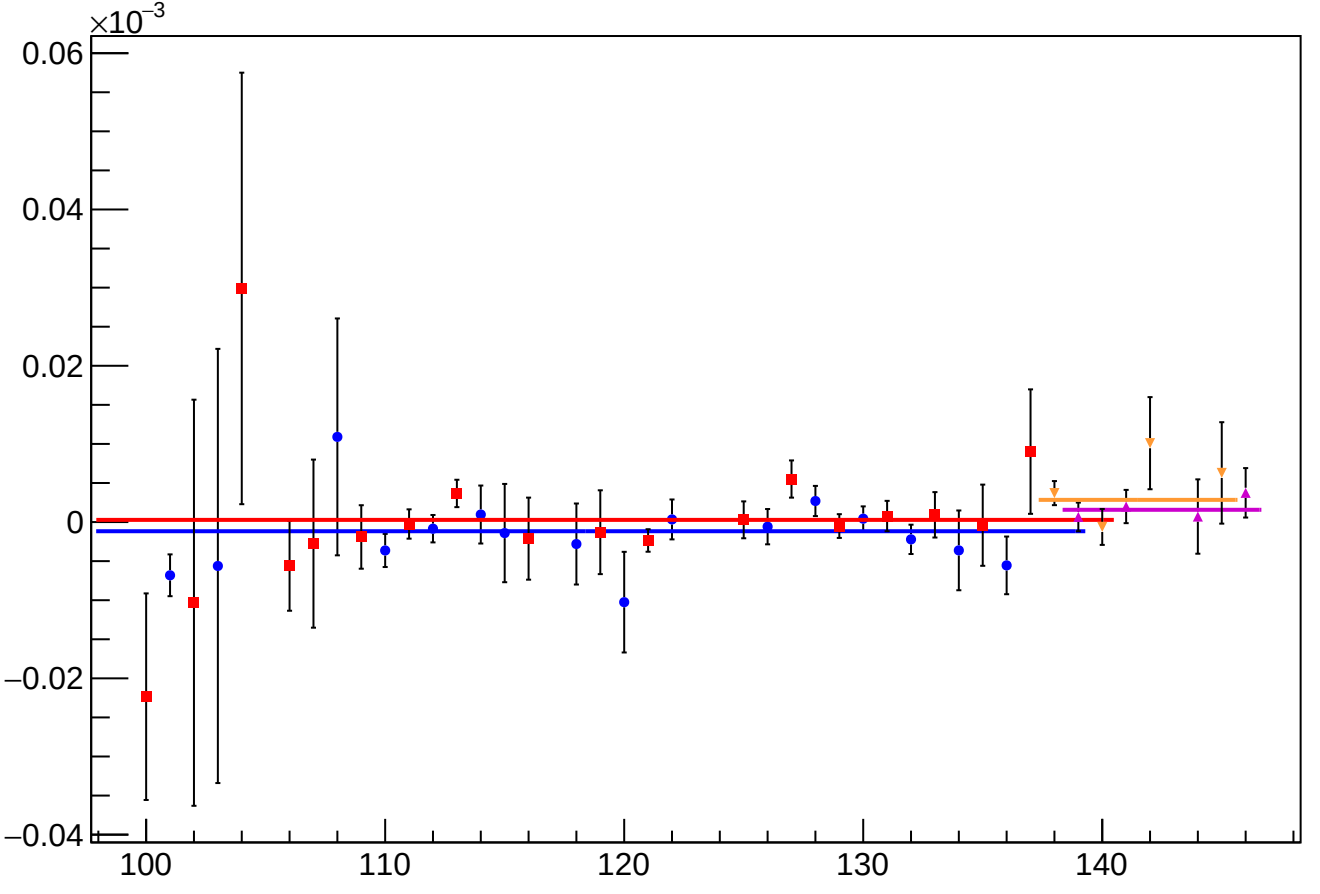
Left In: 74.253+/-0.031 χ^2/NDF:439598.8/3

+ sign 74.225+/-0.019 χ^2/NDF: 2834760.3/19

All: 73.857+/-0.013 χ^2/NDF: 6189133.1/41

- sign 73.504+/-0.019 χ^2/NDF: 3353656.1/21

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:4.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

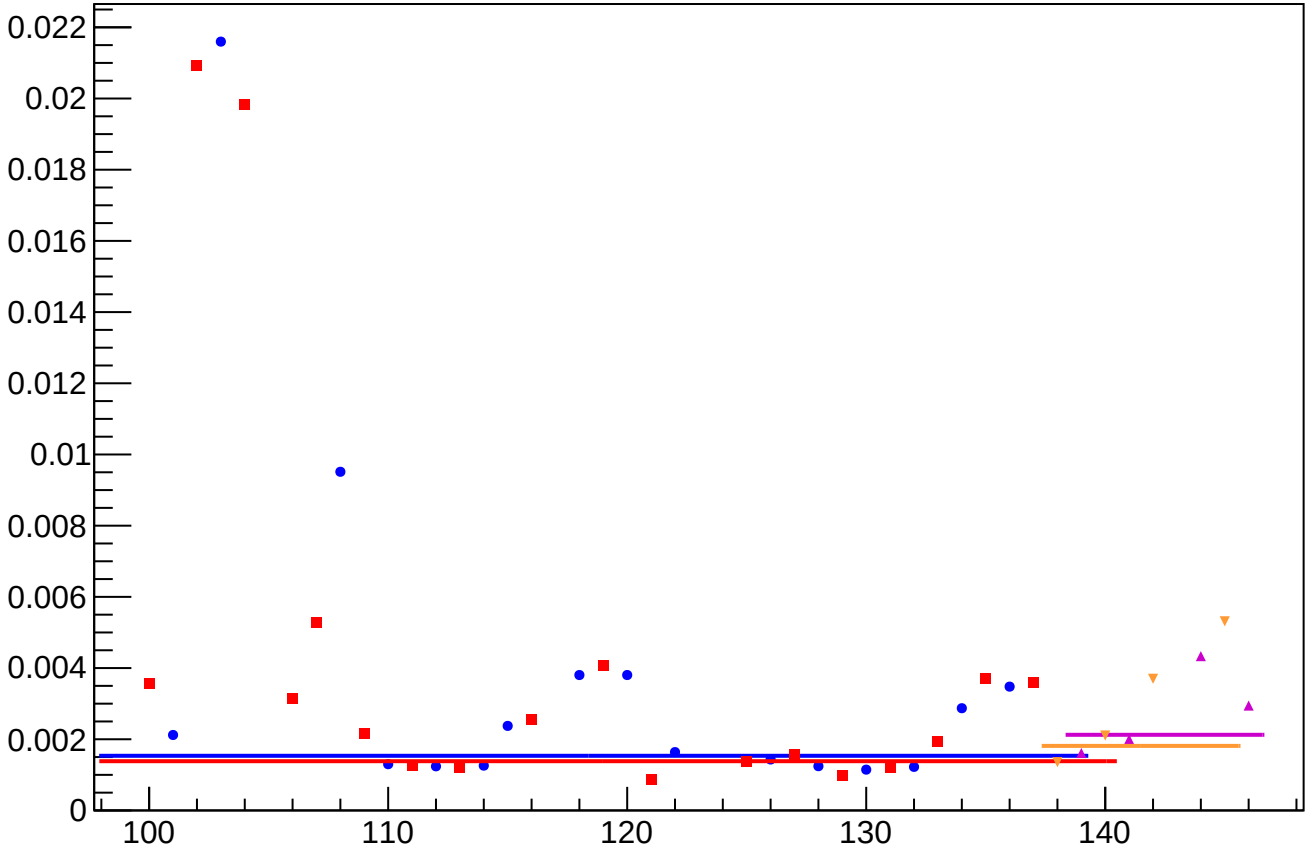
Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/19

All: 0.000+/-0.000 χ^2/NDF: 51.1/41

- sign 0.000+/-0.000 χ^2/NDF: 21.2/21

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:994213.6/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

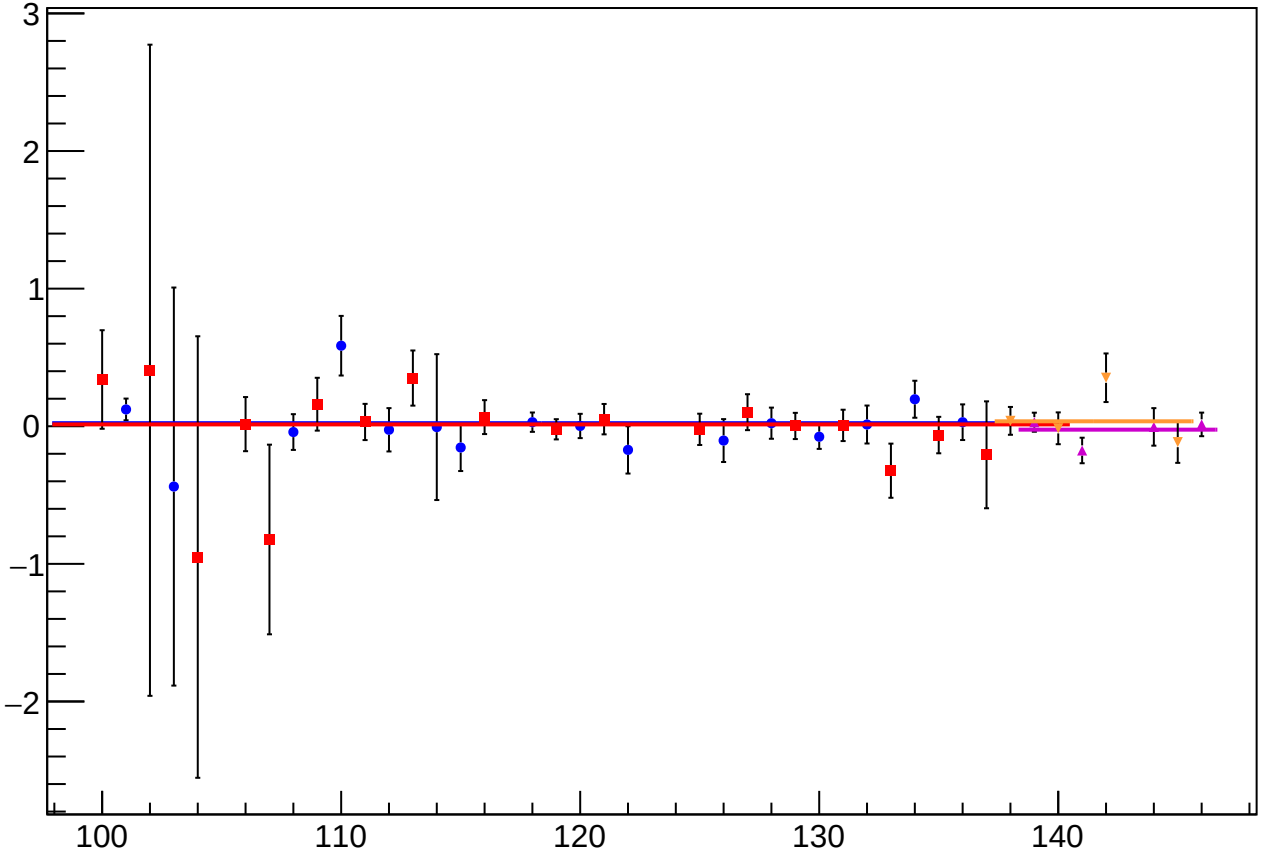
Left In: 0.002+/-0.000 χ^2/NDF:728391.1/3

+ sign 0.002+/-0.000 χ^2/NDF: 4447362.3/19

All: 0.002+/-0.000 χ^2/NDF: 10030658.1/41

- sign 0.002+/-0.000 χ^2/NDF: 5572529.6/21

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.036+/-0.063 χ^2/NDF:4.4/3

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

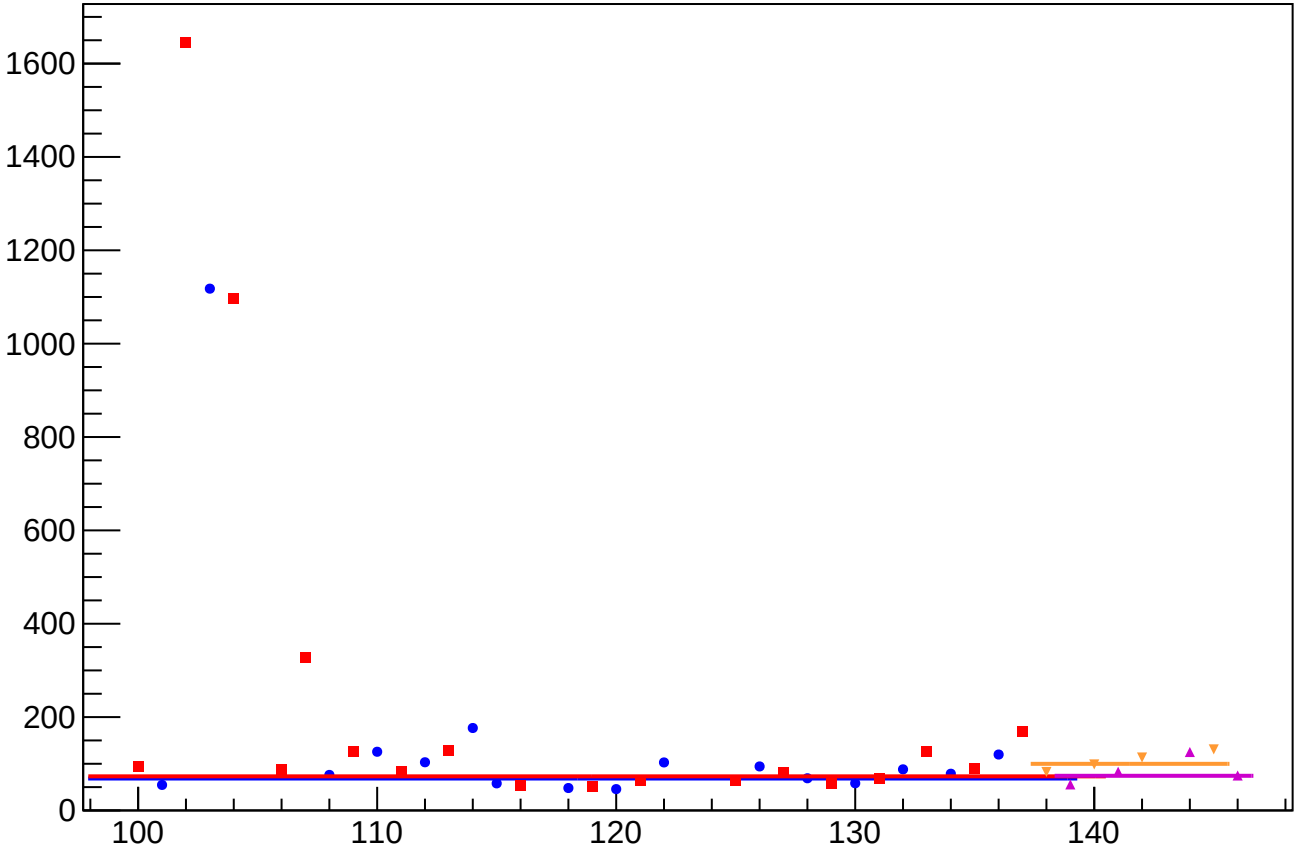
Left In: -0.025+/-0.044 χ^2/NDF:3.5/3

+ sign 0.025+/-0.027 χ^2/NDF: 19.3/19

All: 0.012+/-0.019 χ^2/NDF: 34.5/41

- sign -0.001+/-0.027 χ^2/NDF: 14.8/21

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 99.872+/-0.045 χ^2/NDF:155706.1/3

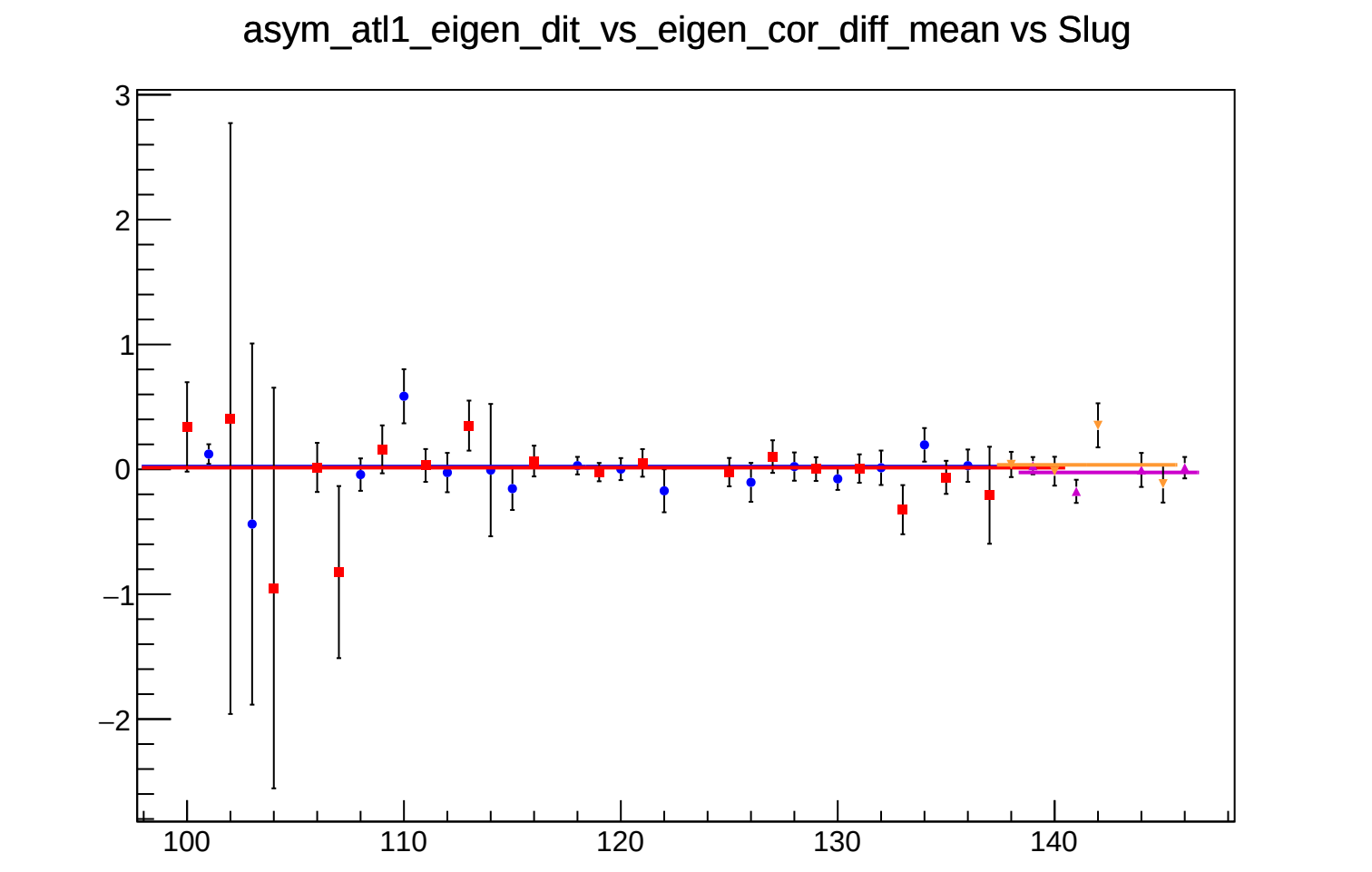
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 74.253+/-0.031 χ^2/NDF:439597.5/3

+ sign 74.225+/-0.019 χ^2/NDF: 2834858.0/19

All: 73.857+/-0.013 χ^2/NDF: 6189243.6/41

- sign 73.504+/-0.019 χ^2/NDF: 3353670.1/21



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.036+/-0.063 χ^2/NDF:4.4/3

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

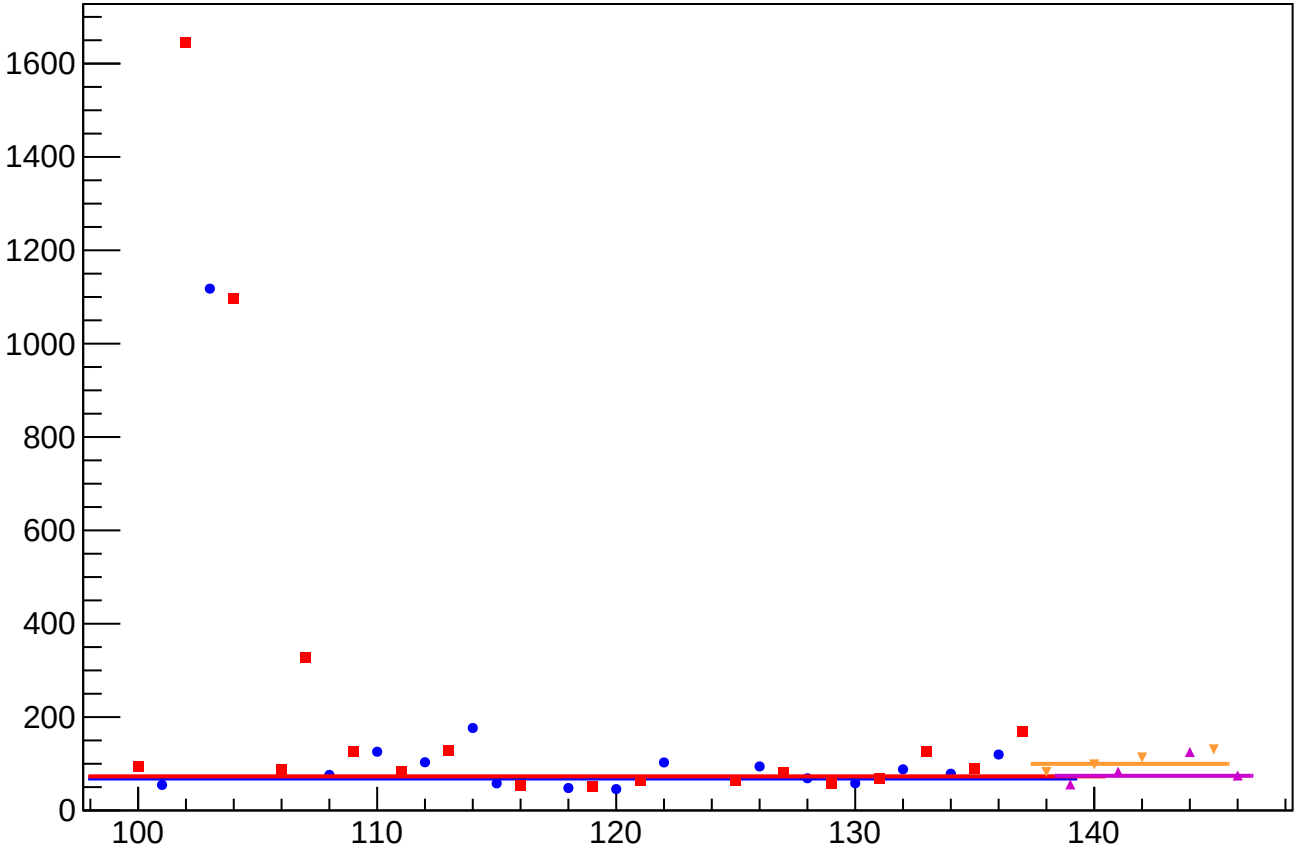
Left In: -0.025+/-0.044 χ^2/NDF:3.5/3

+ sign 0.025+/-0.027 χ^2/NDF: 19.3/19

All: 0.012+/-0.019 χ^2/NDF: 34.5/41

- sign -0.001+/-0.027 χ^2/NDF: 14.8/21

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: 99.872+/-0.045 χ^2/NDF:155706.1/3

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

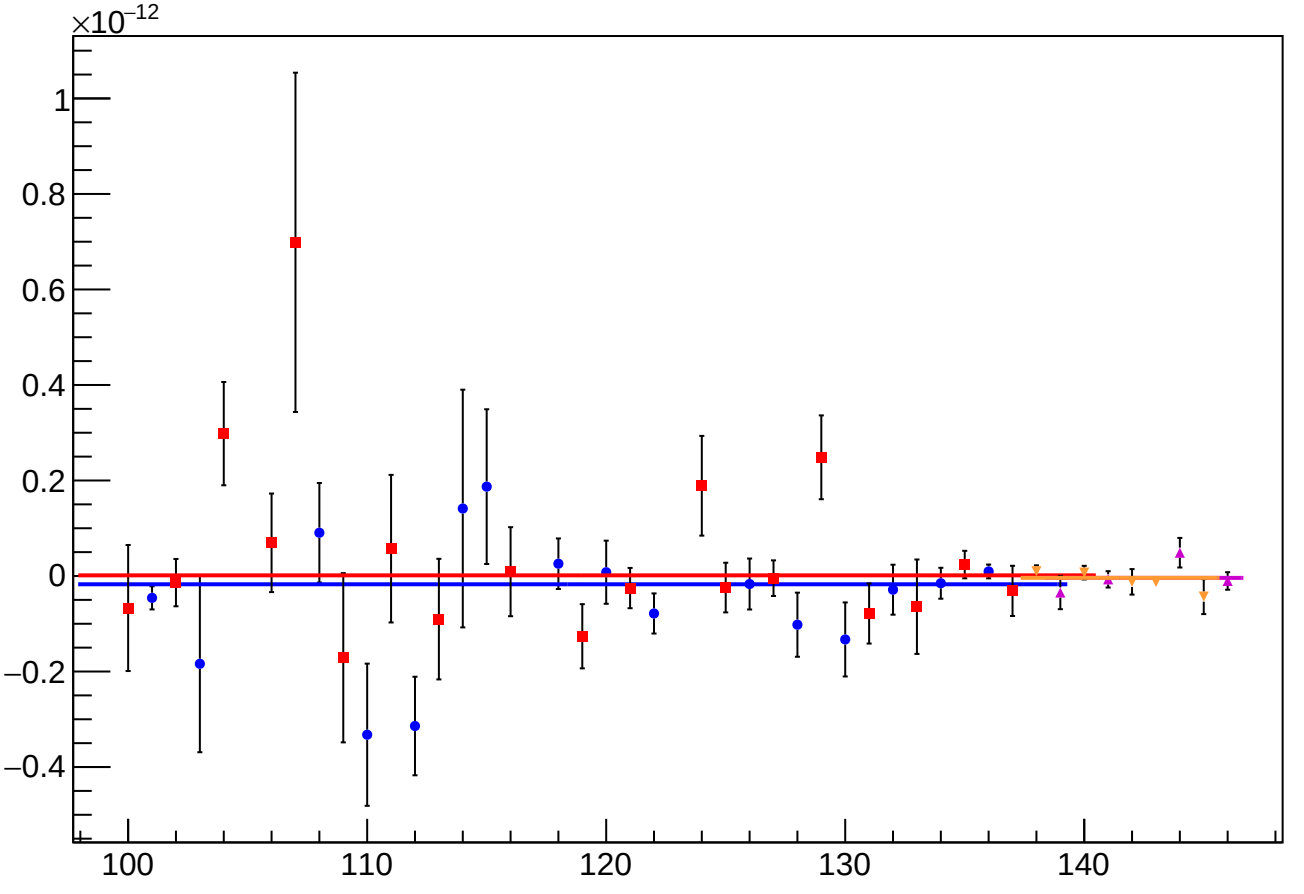
Left In: 74.253+/-0.031 χ^2/NDF:439597.5/3

+ sign 74.225+/-0.019 χ^2/NDF: 2834858.0/19

All: 73.857+/-0.013 χ^2/NDF: 6189243.6/41

- sign 73.504+/-0.019 χ^2/NDF: 3353670.1/21

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:3.9/4

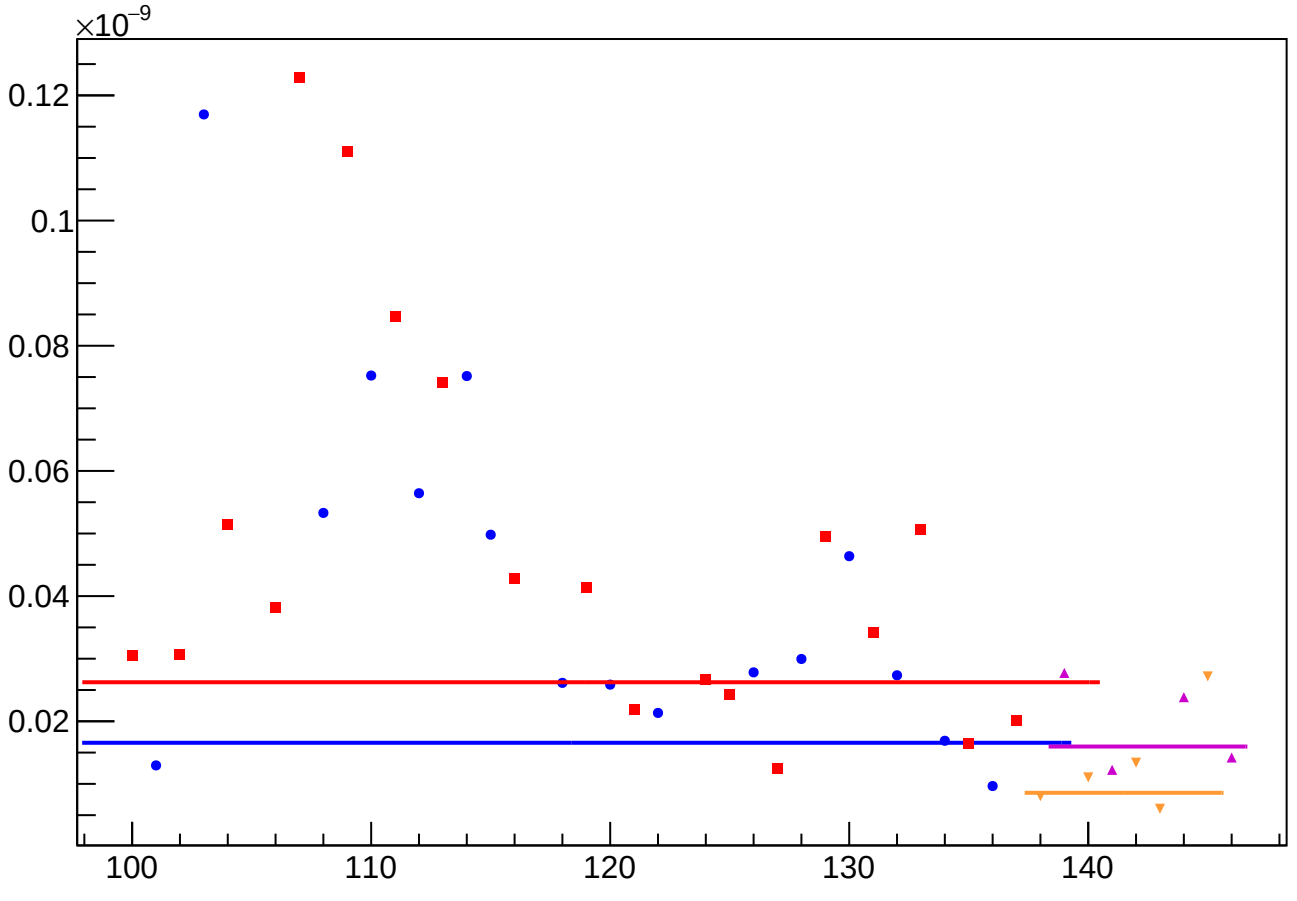
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/20

All: -0.000+/-0.000 χ^2/NDF: 70.0/43

- sign -0.000+/-0.000 χ^2/NDF: 36.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:793931.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

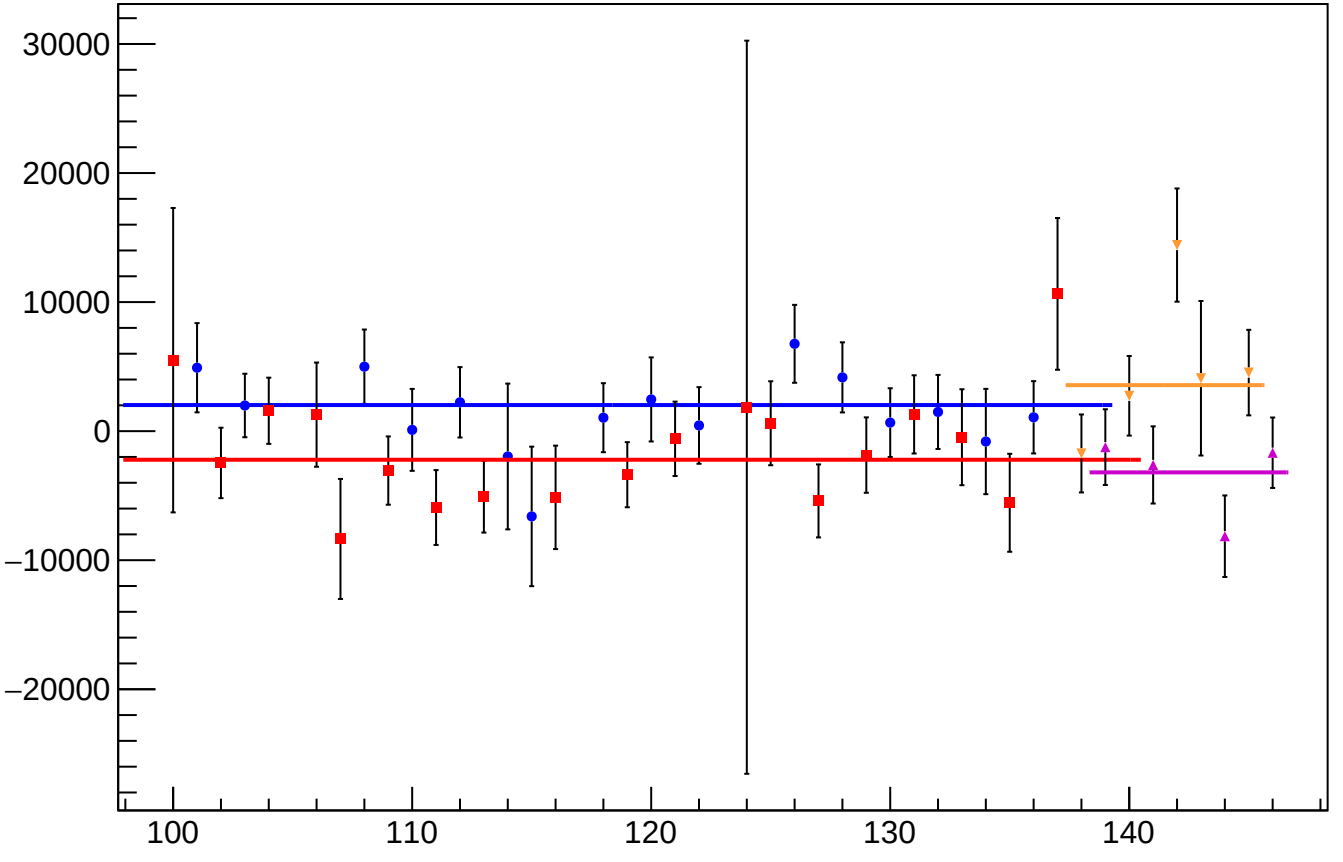
Left In: 0.000+/-0.000 χ^2/NDF:470072.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 4530016.7/20

All: 0.000+/-0.000 χ^2/NDF: 9522728.9/43

- sign 0.000+/-0.000 χ^2/NDF: 3466811.2/22

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3565.790+/-1610.123 χ^2/NDF:9.4/4

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

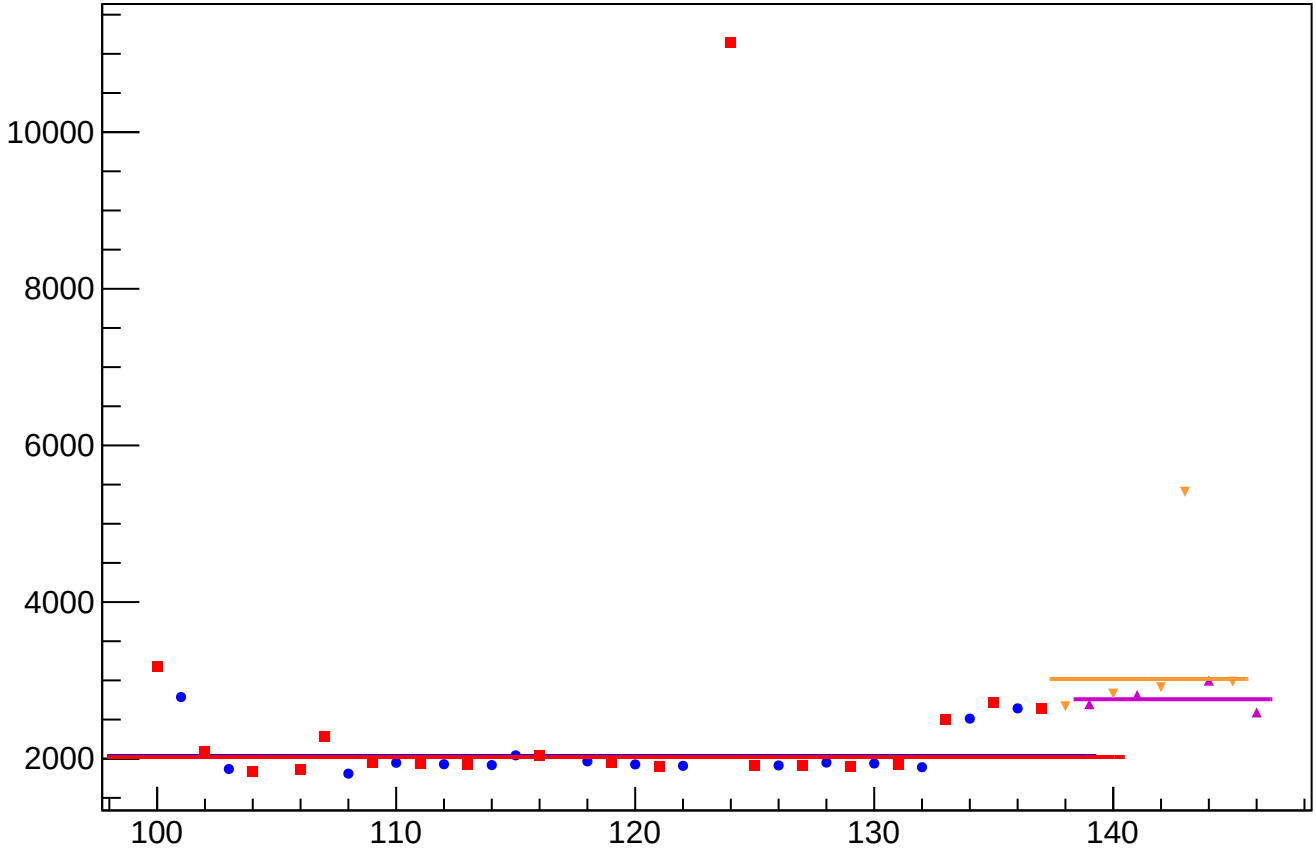
Left In: -3194.912+/-1470.622 χ^2/NDF:3.2/3

+ sign 2306.485+/-690.501 χ^2/NDF: 19.7/20

All: -120.174+/-481.753 χ^2/NDF: 65.5/43

- sign -2421.676+/-672.459 χ^2/NDF: 21.7/22

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 3018.367+/-1.139 χ^2/NDF:354436.1/4

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

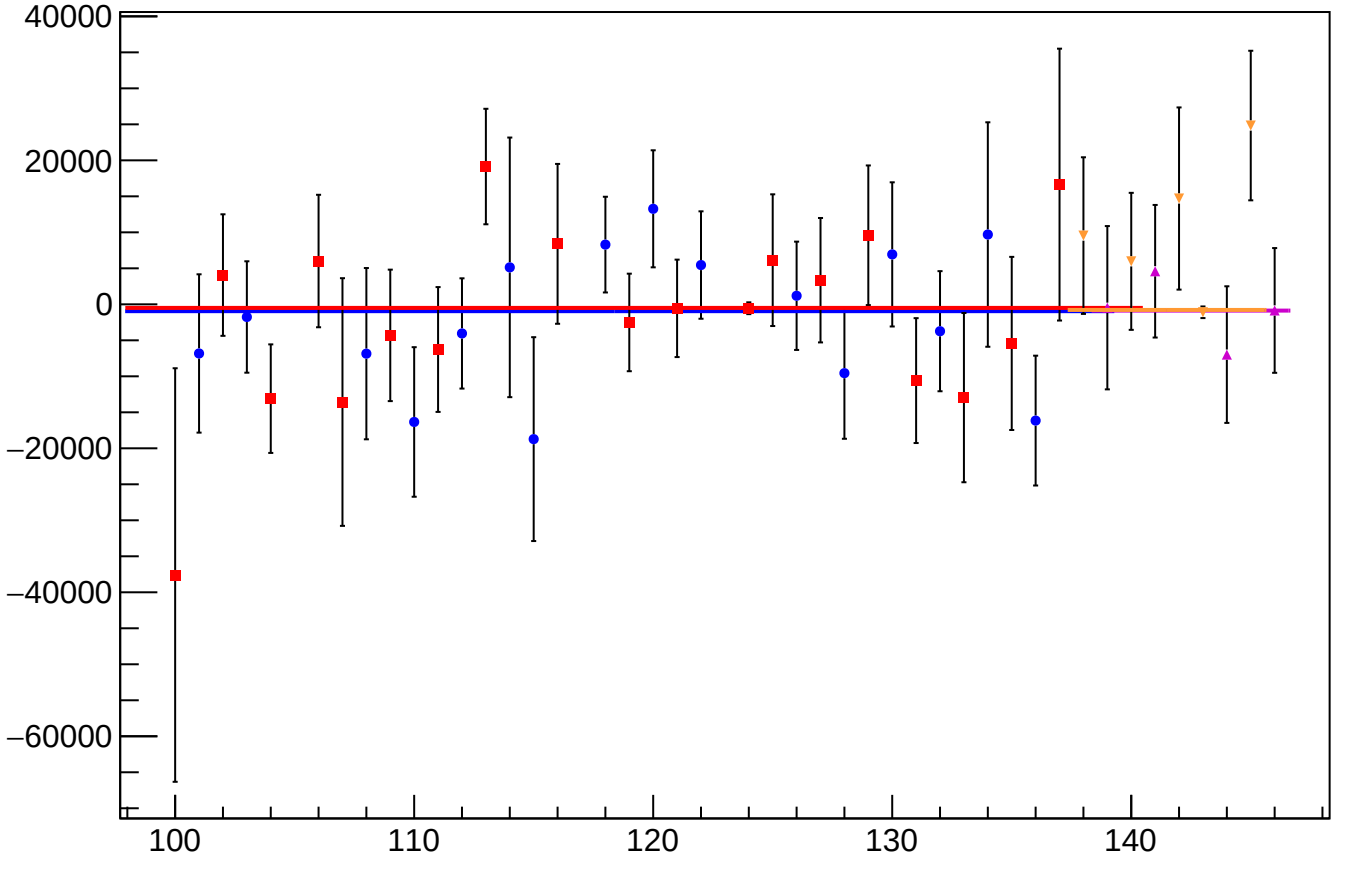
Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

+ sign 2215.167+/-0.488 χ^2/NDF: 1227246.3/20

All: 2194.973+/-0.341 χ^2/NDF: 2039510.1/43

- sign 2175.821+/-0.476 χ^2/NDF: 808930.9/22

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -780.276+/-798.102 χ^2/NDF:9.1/4

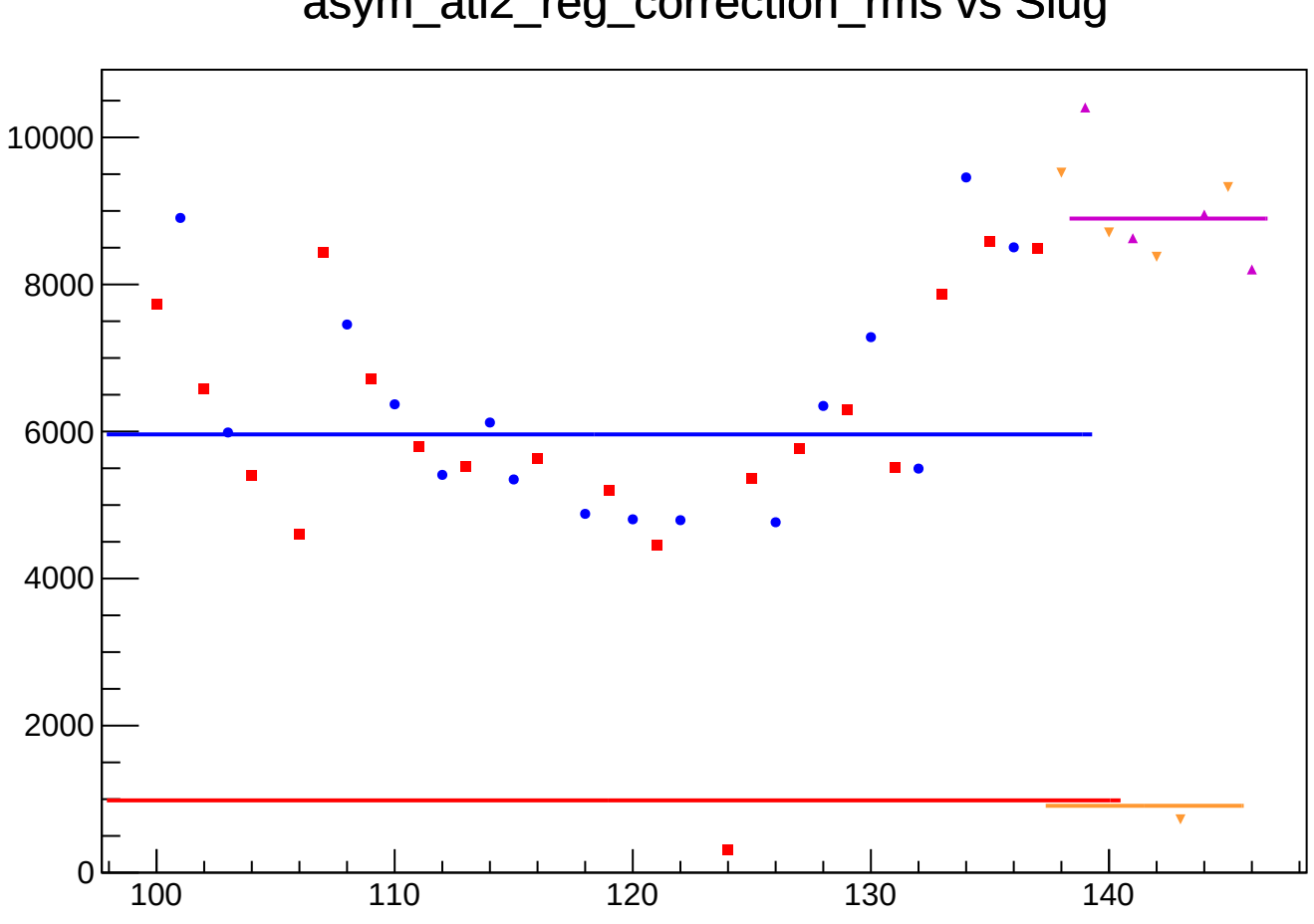
Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: -871.797+/-4767.472 χ^2/NDF:0.8/3

+ sign -798.881+/-753.232 χ^2/NDF: 24.5/20

All: -653.870+/-534.468 χ^2/NDF: 43.8/43

- sign -506.824+/-758.501 χ^2/NDF: 19.2/22



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 909.649+/-0.564 χ^2/NDF:4709266.9/4

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

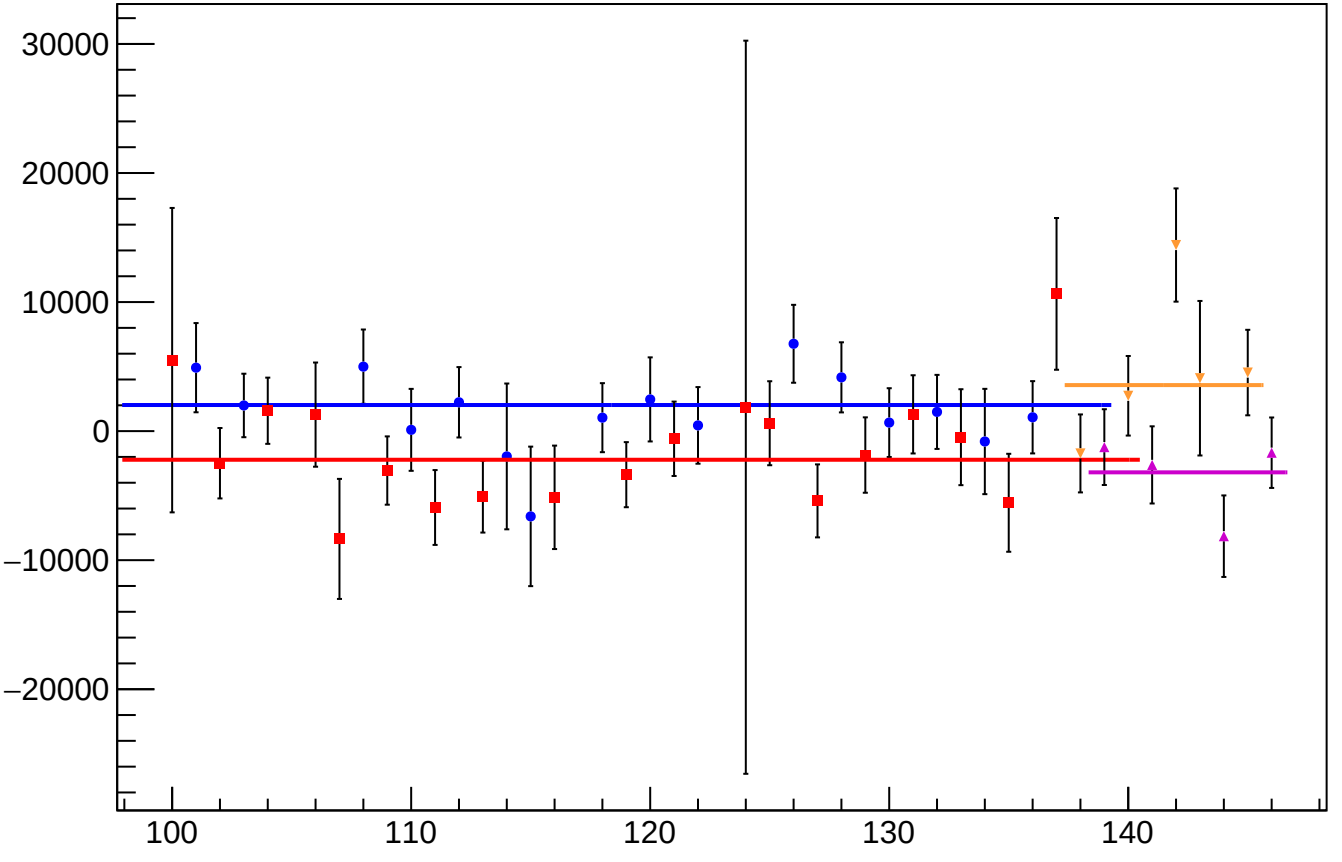
Left In: 8896.149+/-3.371 χ^2/NDF:50009.5/3

+ sign 1461.647+/-0.533 χ^2/NDF: 14153232.8/20

All: 1323.598+/-0.378 χ^2/NDF: 31125344.2/4

- sign 1183.610+/-0.536 χ^2/NDF: 16836807.4/22

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3566.087+/-1610.123 χ^2/NDF:9.4/4

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

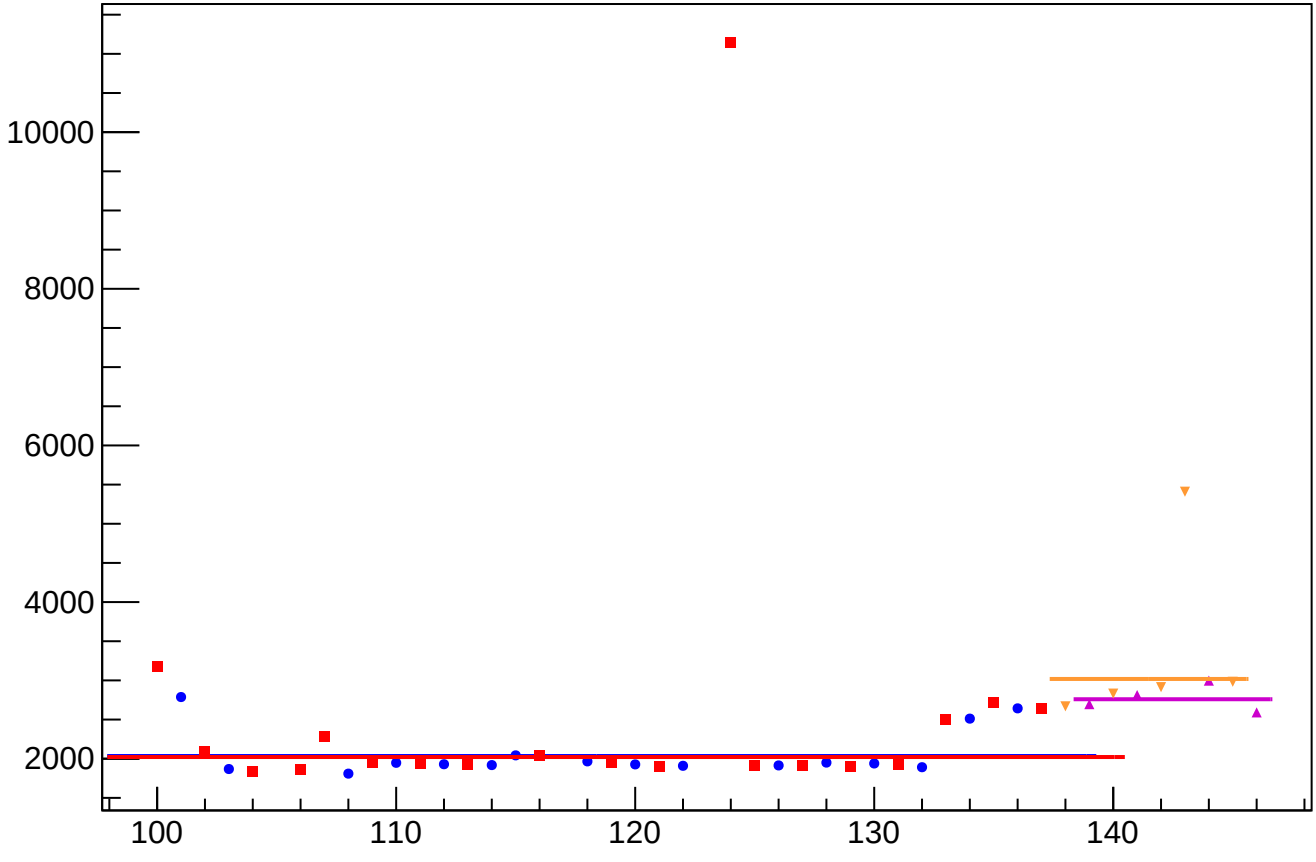
Left In: -3195.013+/-1470.622 χ^2/NDF:3.2/3

+ sign 2306.643+/-690.501 χ^2/NDF: 19.7/20

All: -120.837+/-481.755 χ^2/NDF: 65.5/43

- sign -2423.155+/-672.464 χ^2/NDF: 21.7/22

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3018.367+/-1.139 χ^2/NDF:354436.1/4

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

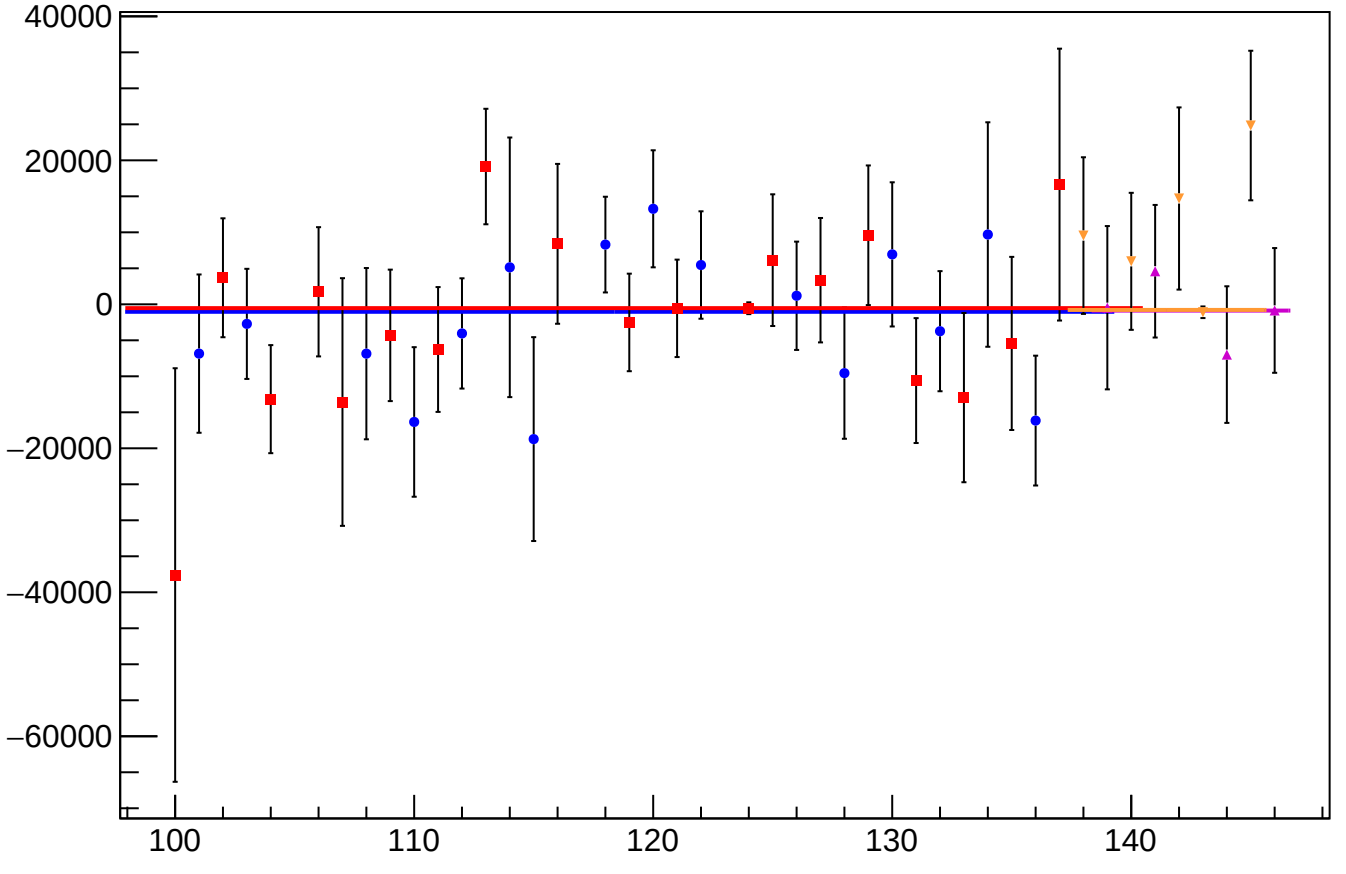
Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

+ sign 2215.167+/-0.488 χ^2/NDF: 1227246.3/20

All: 2194.983+/-0.341 χ^2/NDF: 2039493.6/43

- sign 2175.840+/-0.476 χ^2/NDF: 808917.7/22

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -780.075+/-798.026 χ^2/NDF:9.1/4

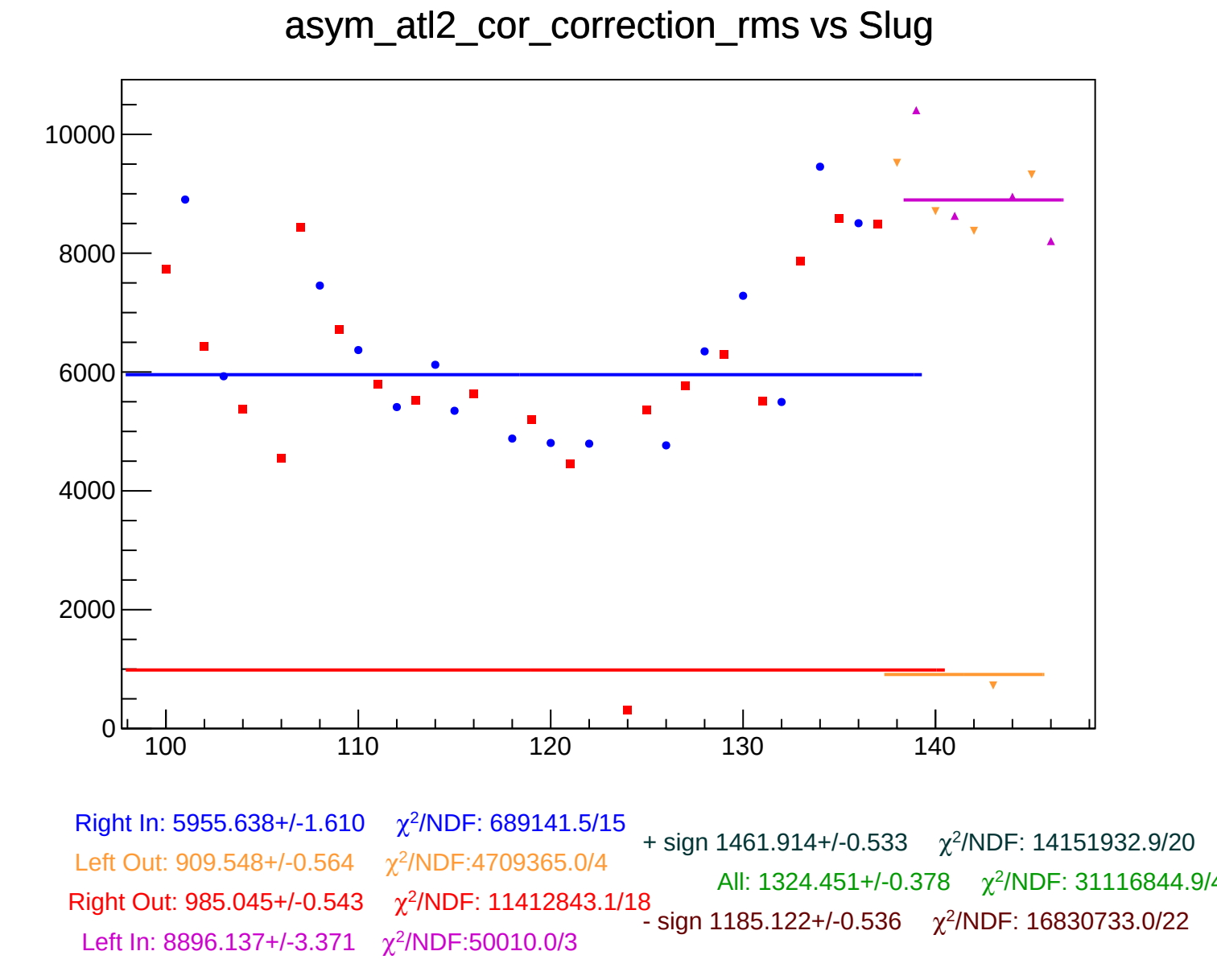
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -871.806+/-4767.466 χ^2/NDF:0.8/3

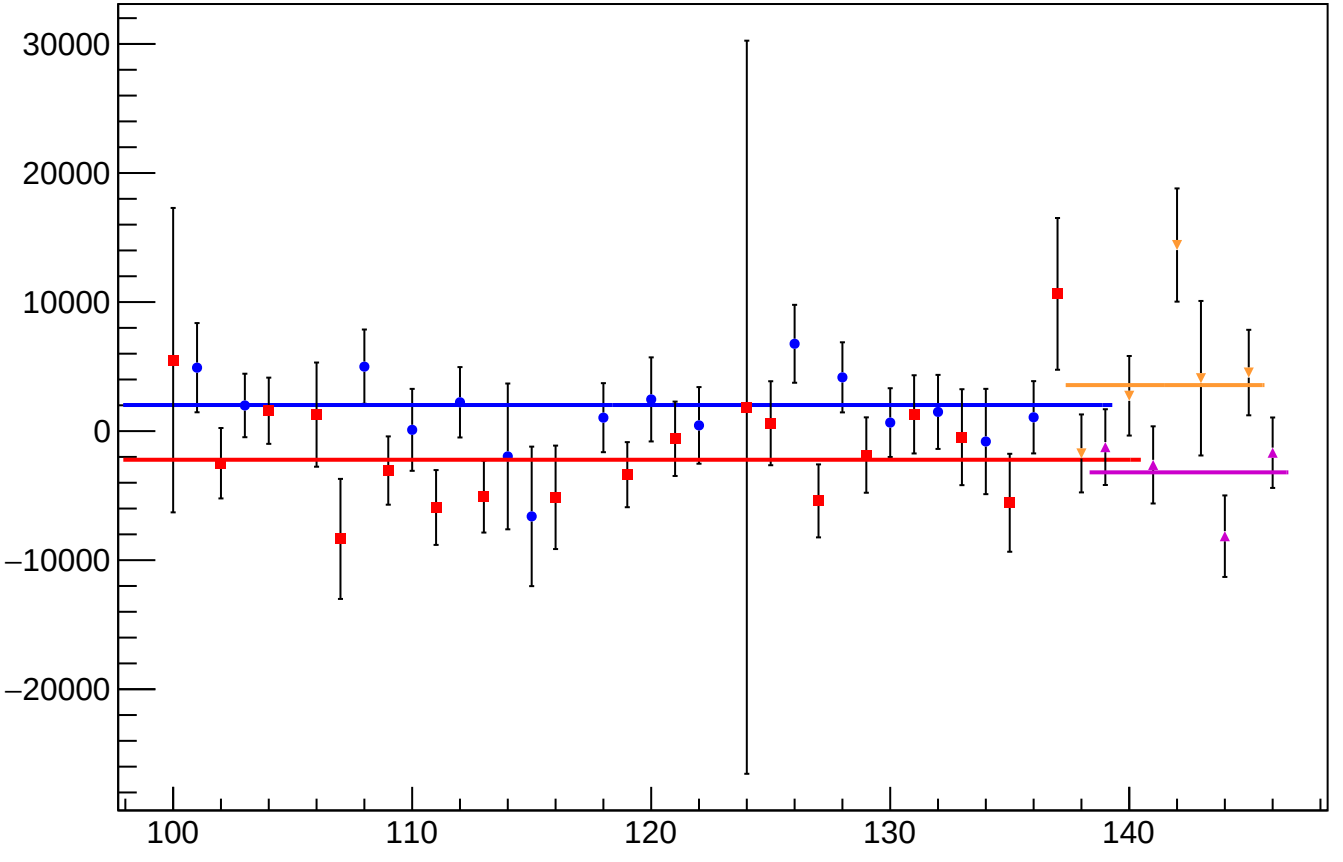
+ sign -808.302+/-753.083 χ^2/NDF: 24.5/20

All: -674.702+/-534.301 χ^2/NDF: 43.4/43

- sign -539.290+/-758.174 χ^2/NDF: 18.8/22


asym_atl2_cor_correction_rms vs Slug
10000
8000
6000
4000
2000
0
100
110
120
130
140
Right In: 5955.638+/-1.610 χ²/NDF: 689141.5/15
Left Out: 909.548+/-0.564 χ²/NDF:4709365.0/4
Right Out: 985.045+/-0.543 χ²/NDF: 11412843.1/18
Left In: 8896.137+/-3.371 χ²/NDF:50010.0/3
+ sign 1461.914+/-0.533 χ²/NDF: 14151932.9/20
All: 1324.451+/-0.378 χ²/NDF: 31116844.9/4
- sign 1185.122+/-0.536 χ²/NDF: 16830733.0/22

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3566.087+/-1610.123 χ^2/NDF:9.4/4

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

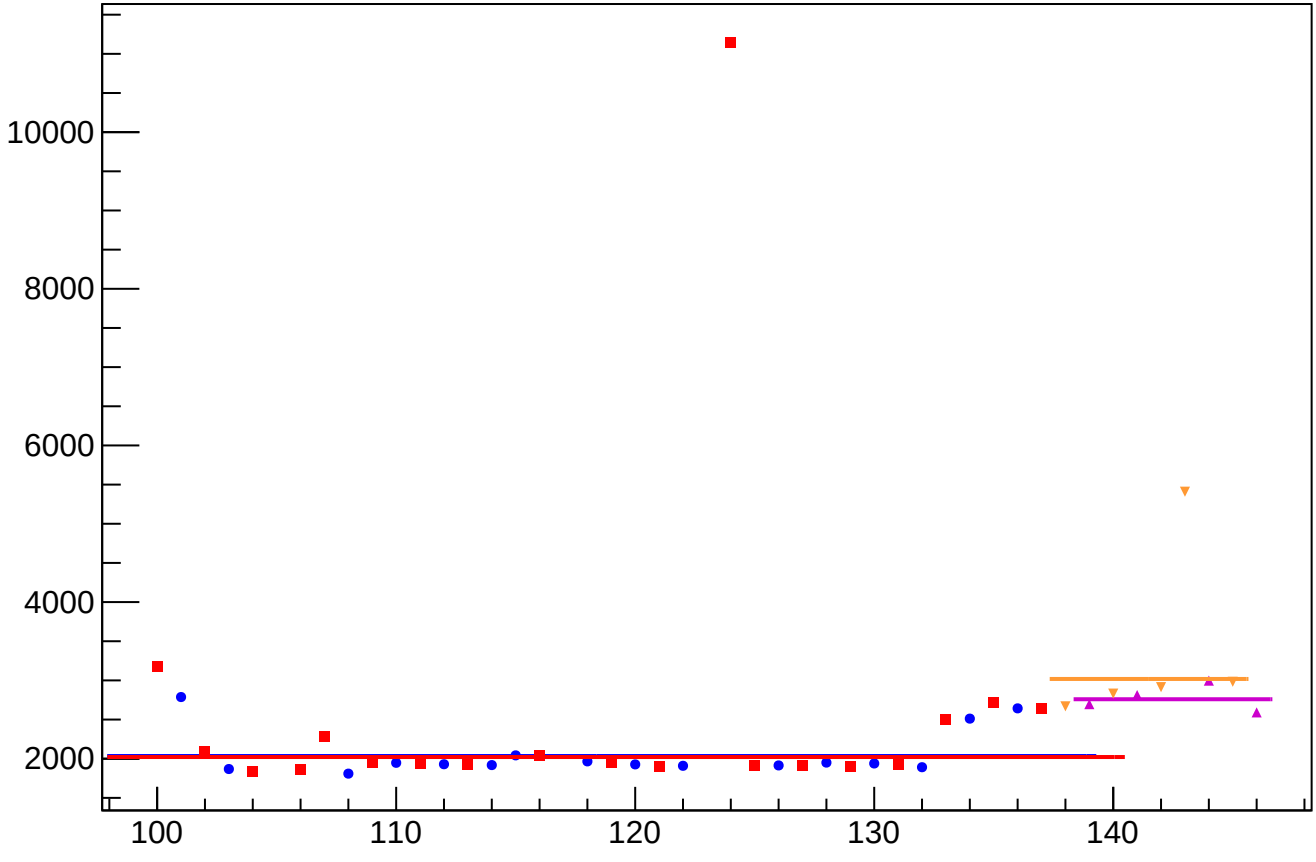
Left In: -3195.013+/-1470.622 χ^2/NDF:3.2/3

+ sign 2306.643+/-690.501 χ^2/NDF: 19.7/20

All: -120.837+/-481.755 χ^2/NDF: 65.5/43

- sign -2423.155+/-672.464 χ^2/NDF: 21.7/22

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3018.367+/-1.139 χ^2/NDF:354436.1/4

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

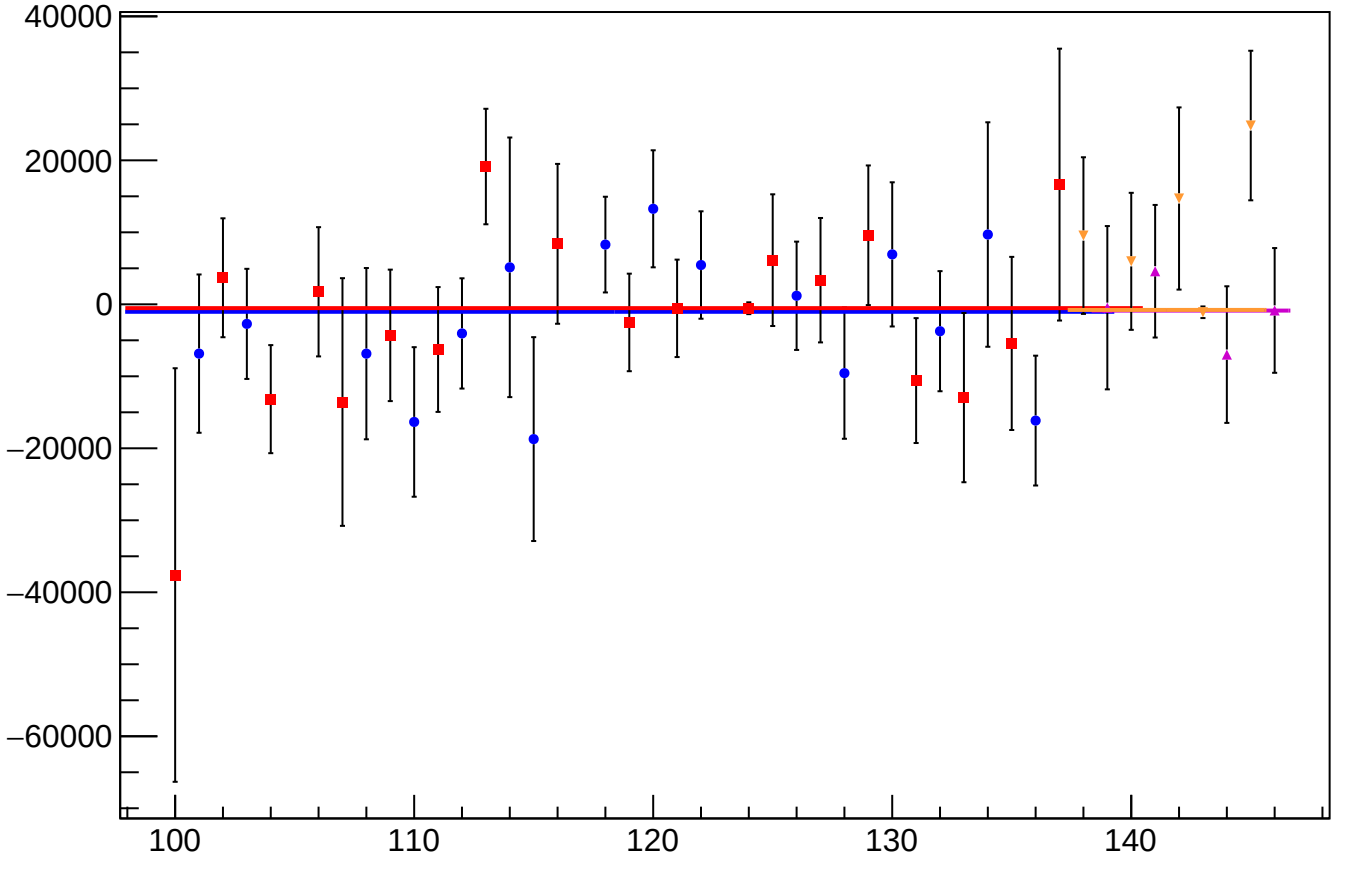
Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

+ sign 2215.167+/-0.488 χ^2/NDF: 1227246.3/20

All: 2194.983+/-0.341 χ^2/NDF: 2039493.6/43

- sign 2175.840+/-0.476 χ^2/NDF: 808917.7/22

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -780.075+/-798.026 χ^2/NDF:9.1/4

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

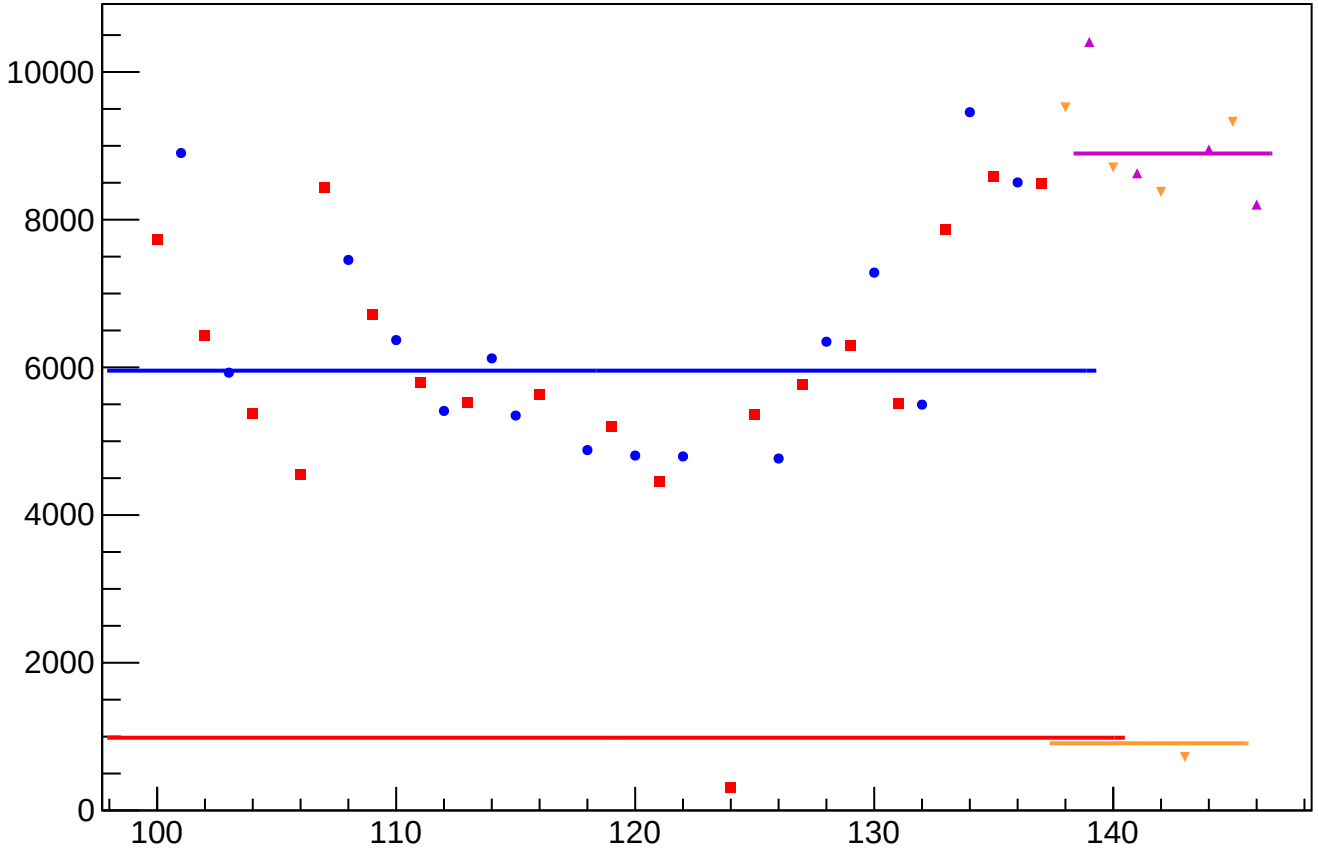
Left In: -871.806+/-4767.466 χ^2/NDF:0.8/3

+ sign -808.302+/-753.083 χ^2/NDF: 24.5/20

All: -674.702+/-534.301 χ^2/NDF: 43.4/43

- sign -539.290+/-758.174 χ^2/NDF: 18.8/22

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 909.548+/-0.564 χ^2/NDF:4709365.0/4

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

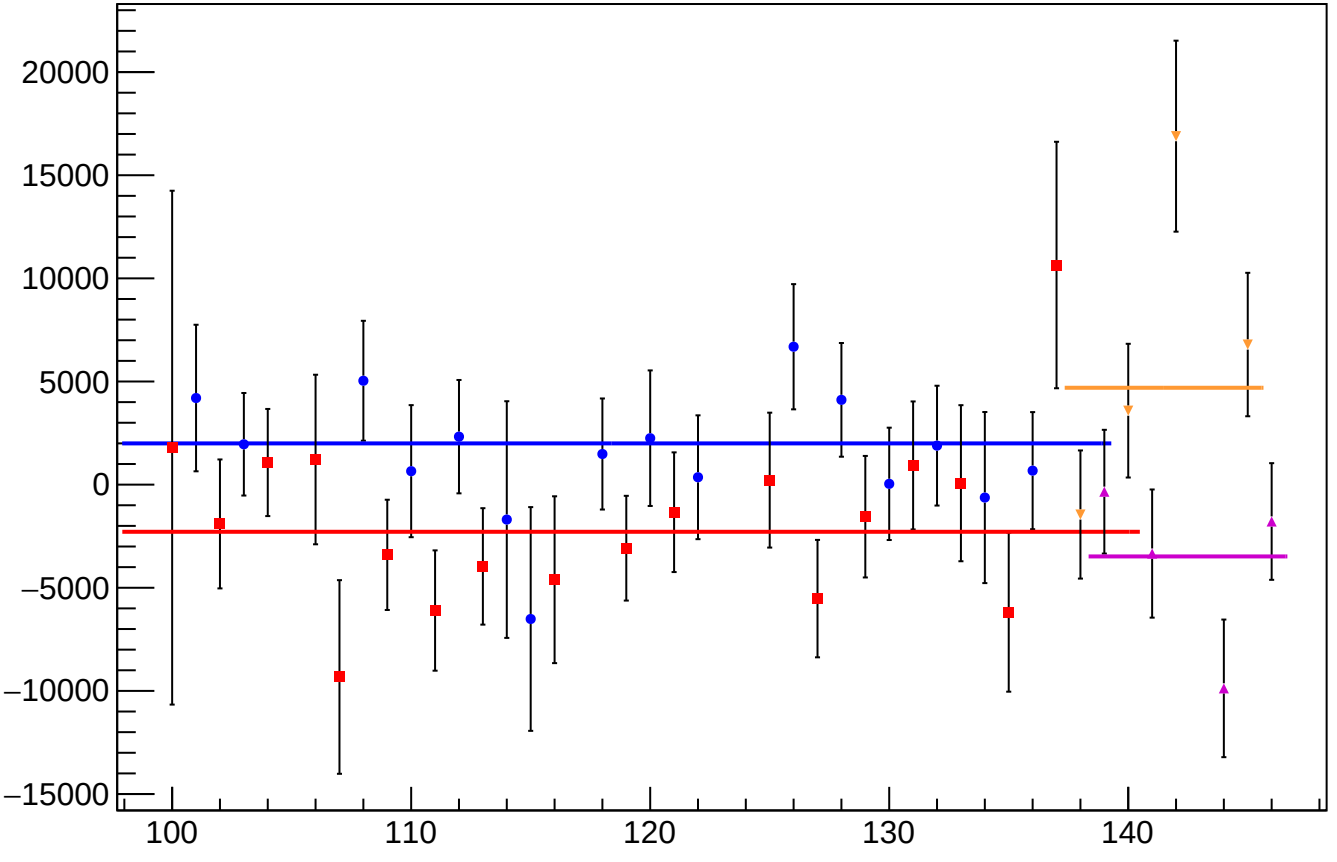
Left In: 8896.137+/-3.371 χ^2/NDF:50010.0/3

+ sign 1461.914+/-0.533 χ^2/NDF: 14151932.9/20

All: 1324.451+/-0.378 χ^2/NDF: 31116844.9/4

- sign 1185.122+/-0.536 χ^2/NDF: 16830733.0/22

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 4696.397+/-1745.679 χ^2/NDF:11.3/3

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

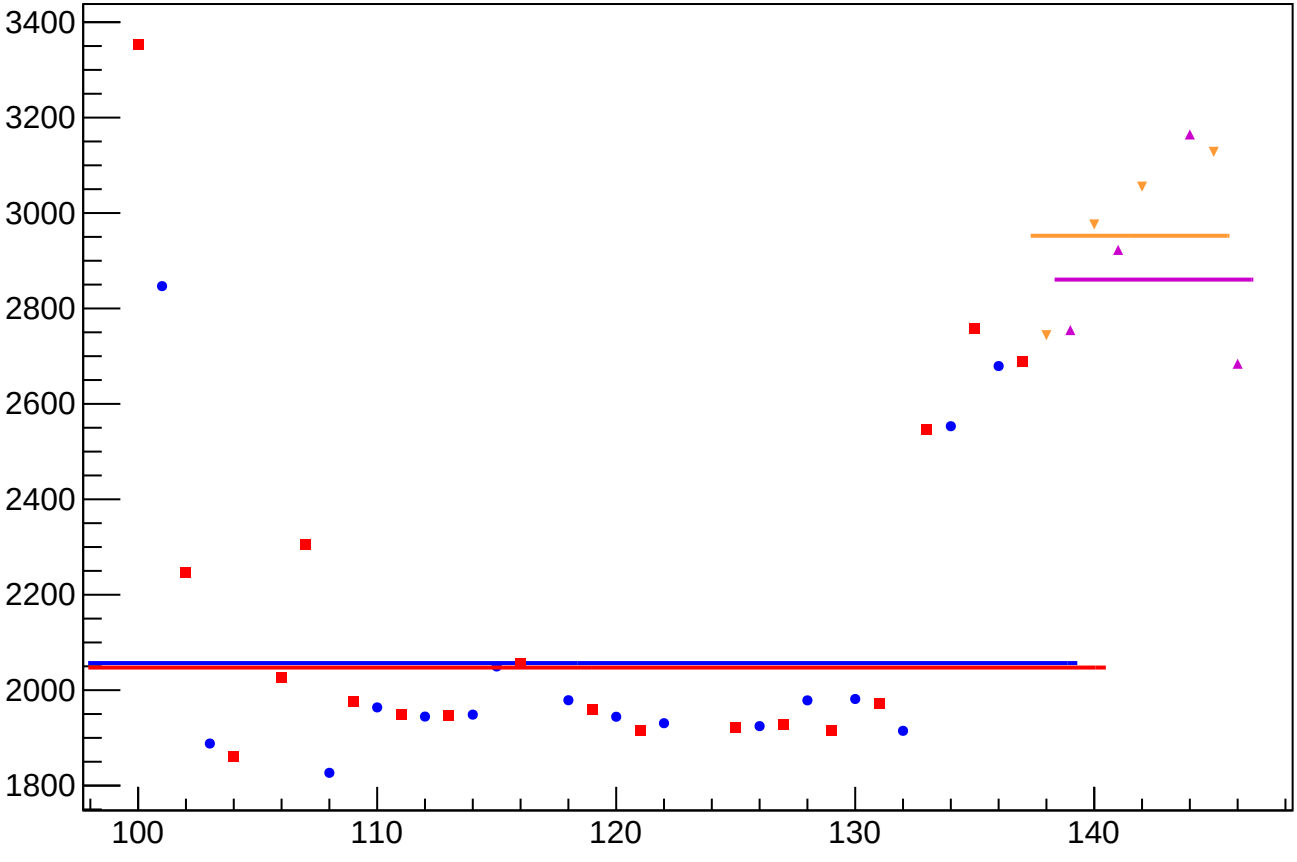
Left In: -3480.680+/-1525.624 χ^2/NDF:5.1/3

+ sign 2441.890+/-707.216 χ^2/NDF: 22.3/19

All: -110.865+/-493.265 χ^2/NDF: 70.0/41

- sign -2529.114+/-688.332 χ^2/NDF: 22.3/21

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2952.407+/-1.234 χ^2/NDF:15207.8/3

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

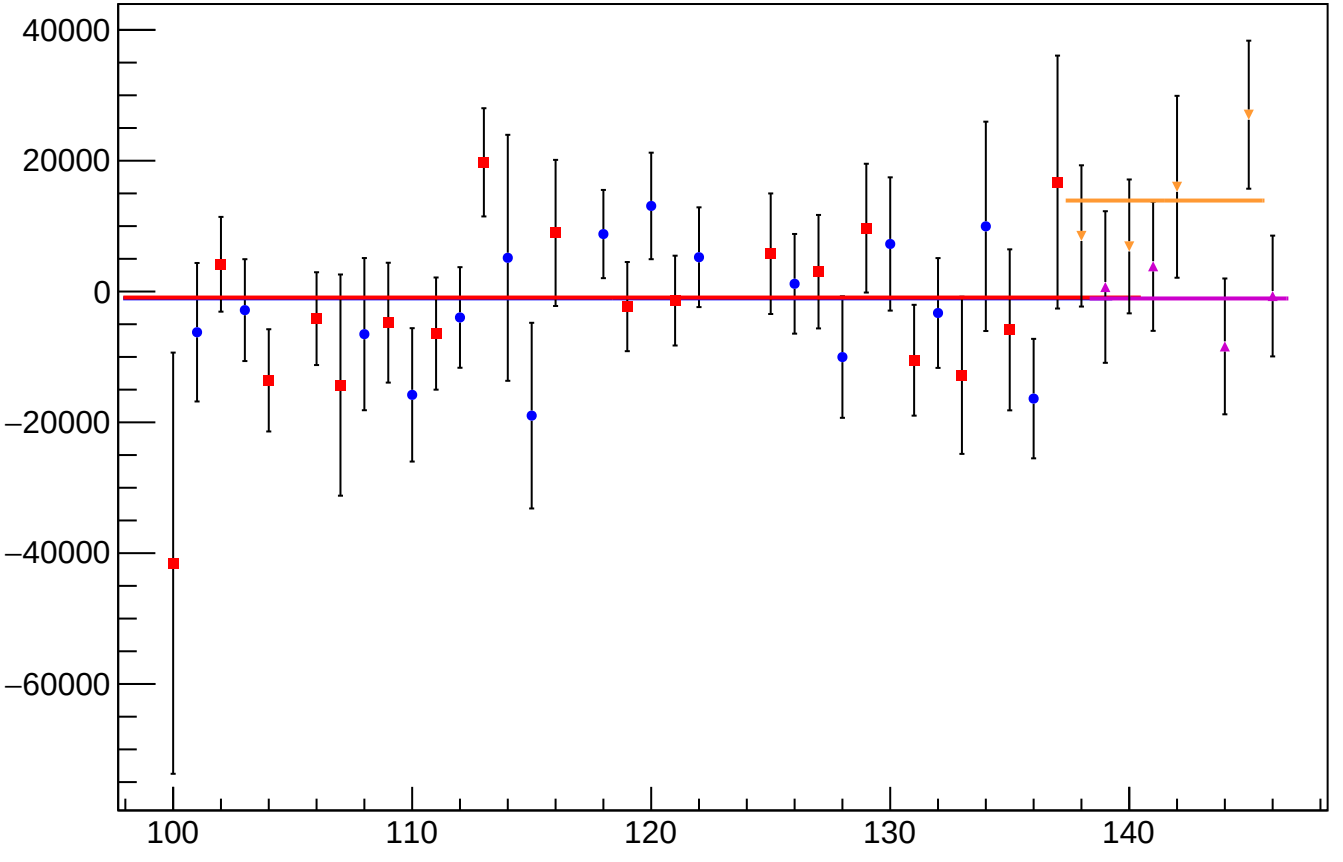
Left In: 2860.469+/-1.079 χ^2/NDF:27695.7/3

+ sign 2203.788+/-0.500 χ^2/NDF: 725691.9/19

All: 2208.274+/-0.349 χ^2/NDF: 1402763.5/41

- sign 2212.514+/-0.486 χ^2/NDF: 676915.0/21

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 13910.218+/-5670.132 χ^2/NDF:2.1/3

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

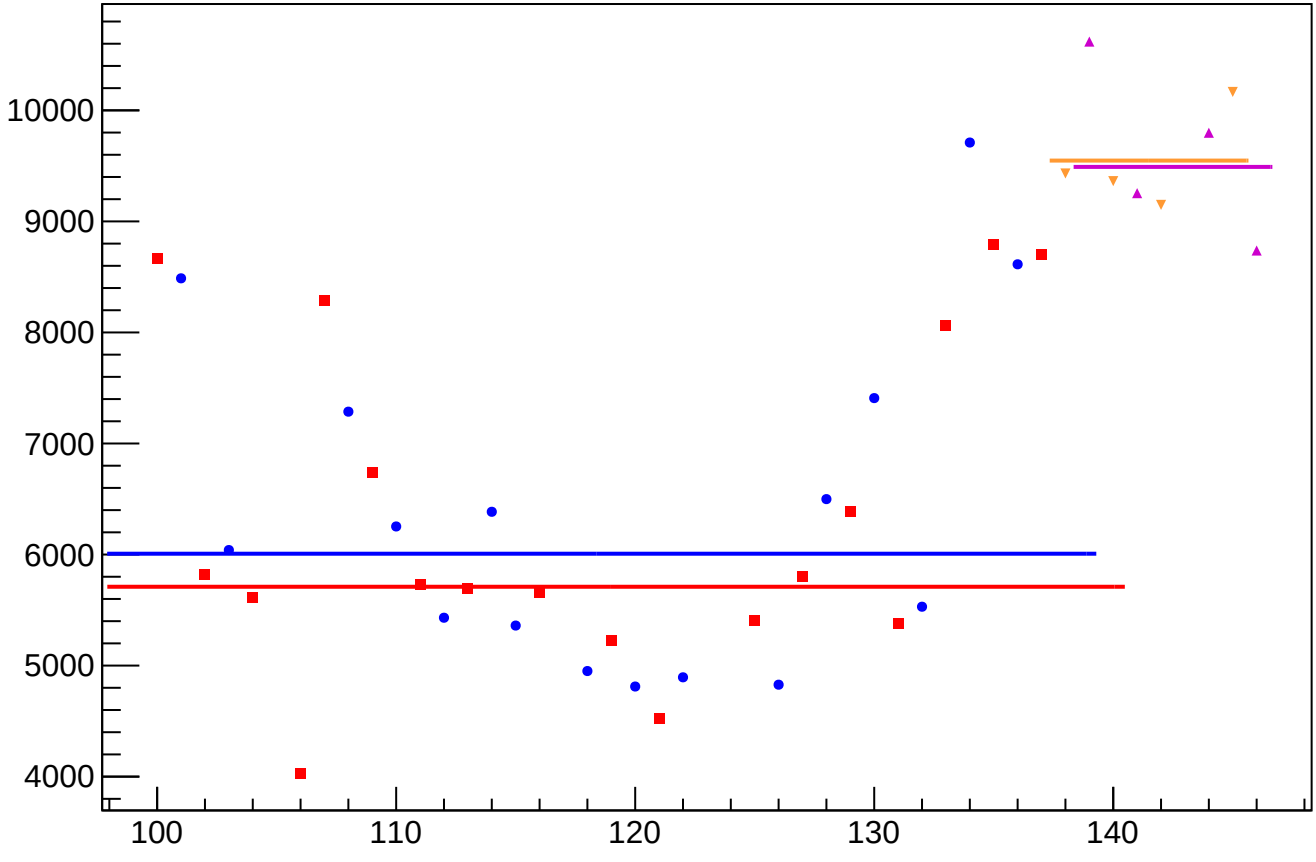
Left In: -1062.067+/-5083.115 χ^2/NDF:0.8/3

+ sign 1061.671+/-2127.037 χ^2/NDF: 23.4/19

All: -10.995+/-1449.602 χ^2/NDF: 43.0/41

- sign -941.288+/-1980.855 χ^2/NDF: 19.1/21

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9547.681+/-4.009 χ^2/NDF:8499.0/3

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

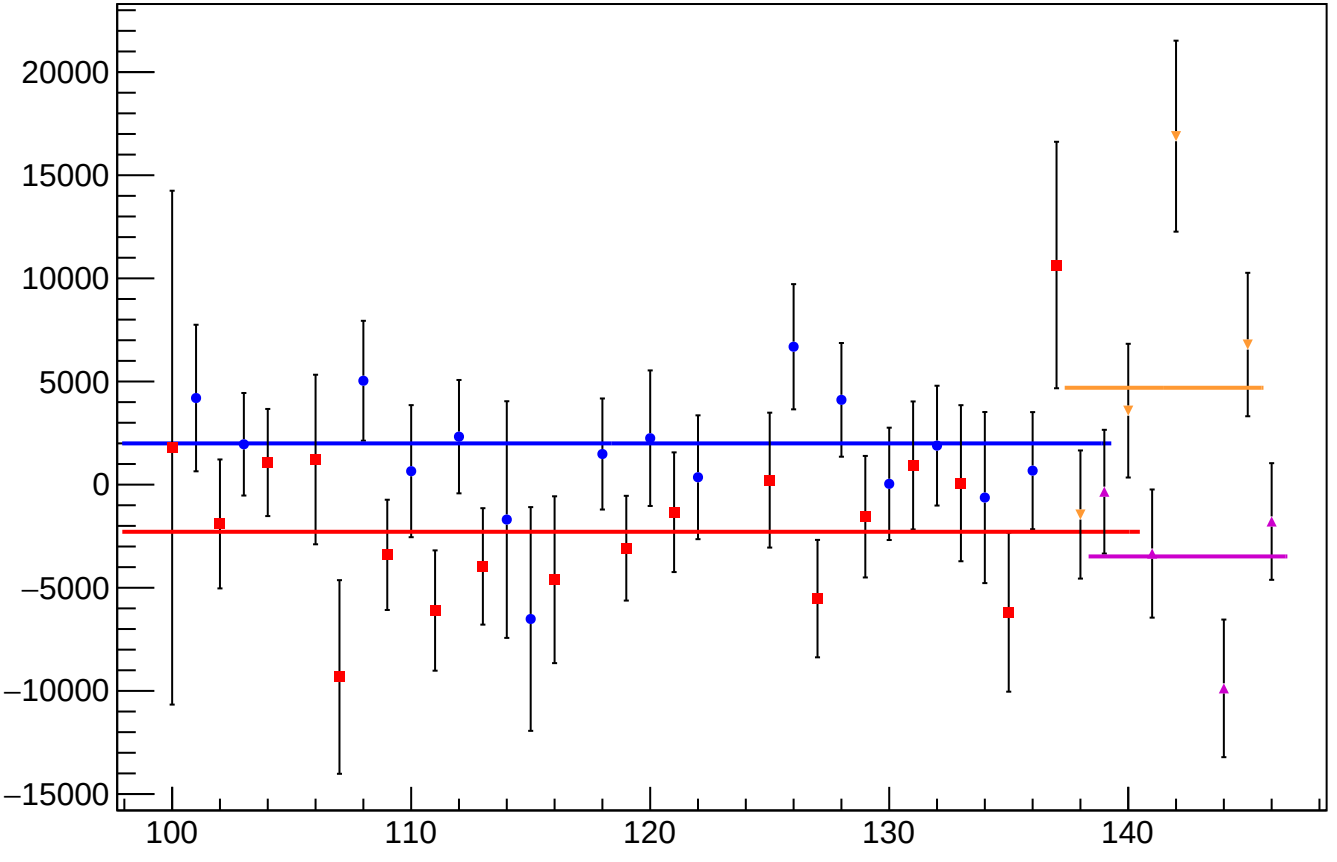
Left In: 9490.786+/-3.594 χ^2/NDF:35166.0/3

+ sign 6505.619+/-1.504 χ^2/NDF: 1332452.0/19

All: 6386.971+/-1.025 χ^2/NDF: 2853641.6/41

- sign 6284.070+/-1.401 χ^2/NDF: 1509569.6/21

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 4696.431+/-1745.681 χ^2/NDF:11.3/3

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

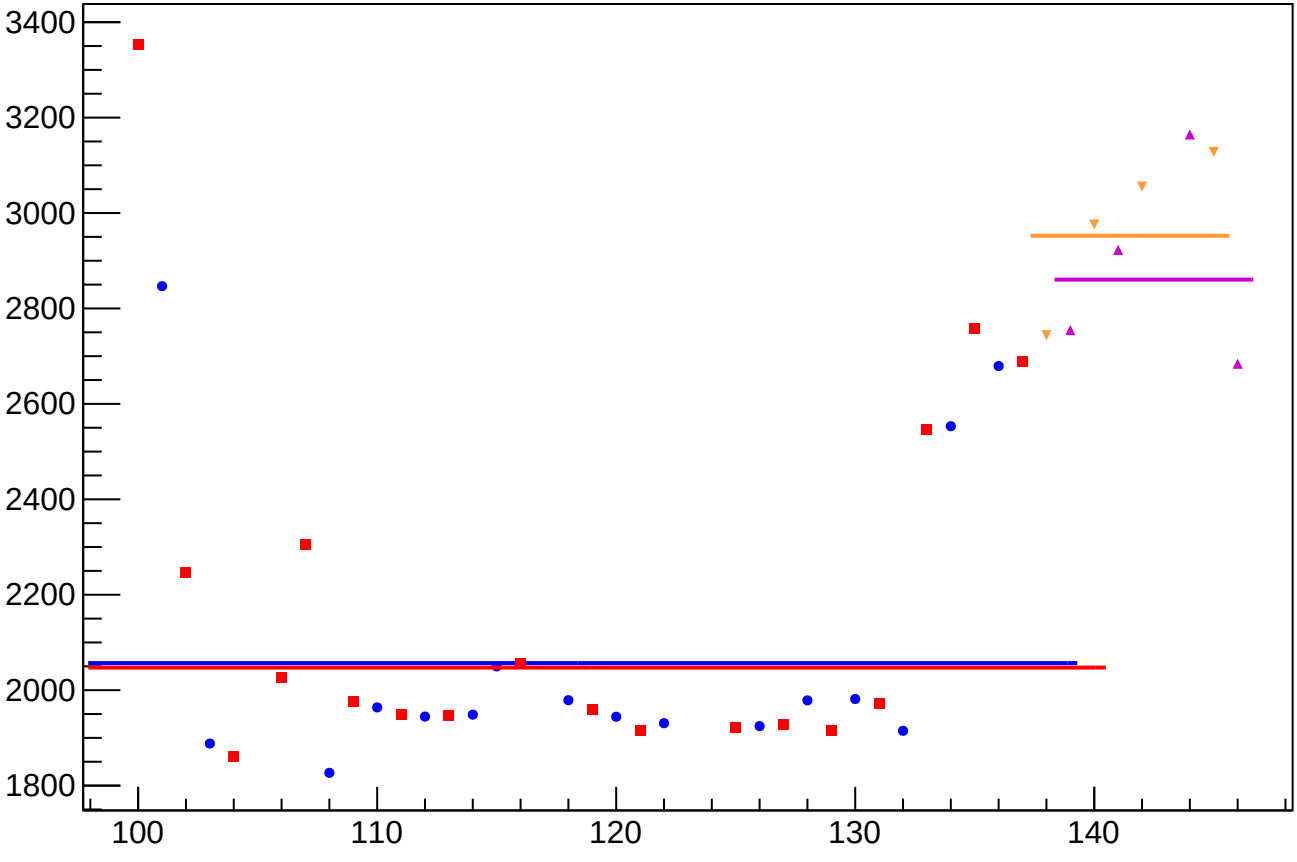
Left In: -3480.685+/-1525.626 χ^2/NDF:5.1/3

+ sign 2441.898+/-707.216 χ^2/NDF: 22.3/19

All: -110.863+/-493.265 χ^2/NDF: 70.0/41

- sign -2529.117+/-688.332 χ^2/NDF: 22.3/21

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2952.410+/-1.234 χ^2/NDF:15208.3/3

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

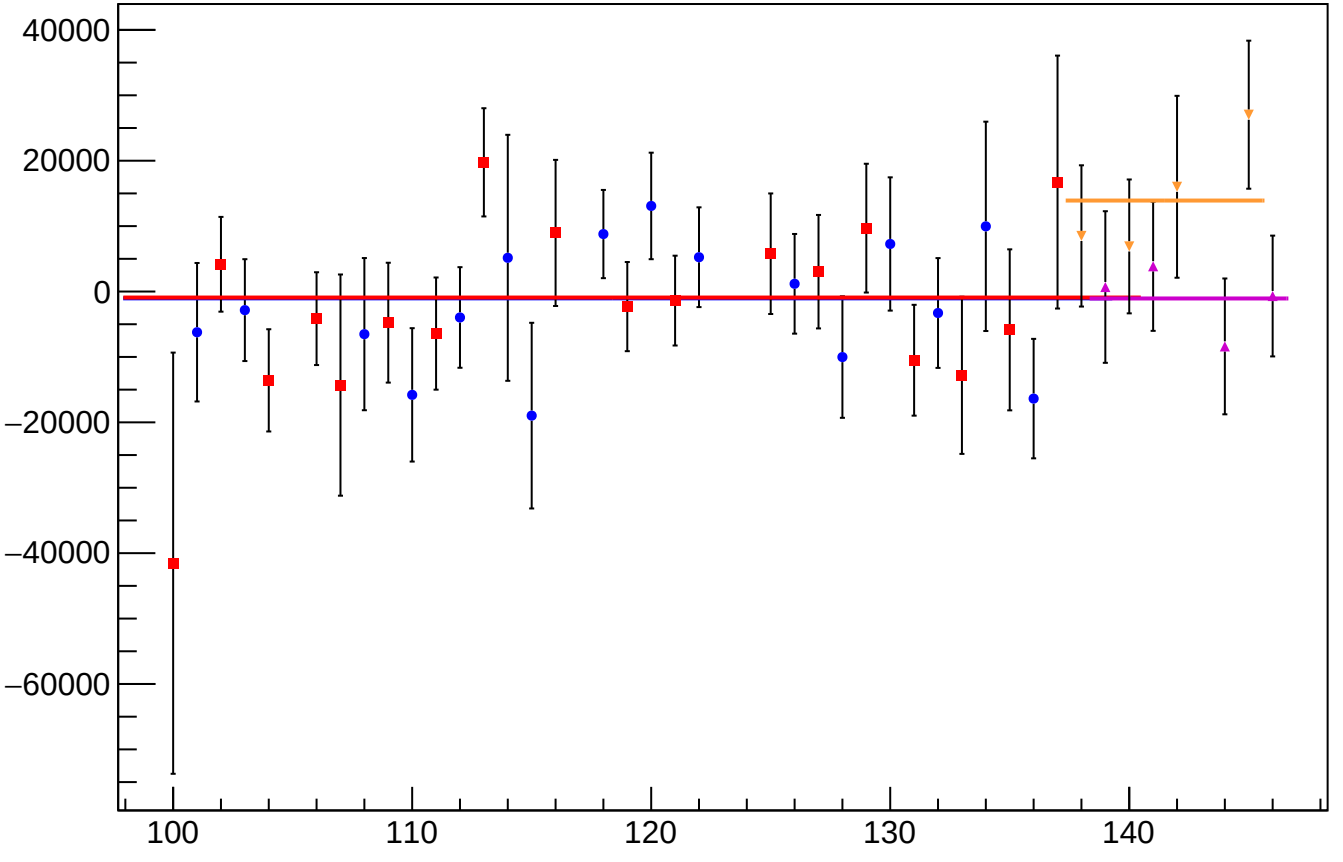
Left In: 2860.472+/-1.079 χ^2/NDF:27695.9/3

+ sign 2203.788+/-0.500 χ^2/NDF: 725694.7/19

All: 2208.275+/-0.349 χ^2/NDF: 1402769.7/41

- sign 2212.514+/-0.486 χ^2/NDF: 676918.4/21

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 13910.268+/-5670.148 χ^2/NDF:2.1/3

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

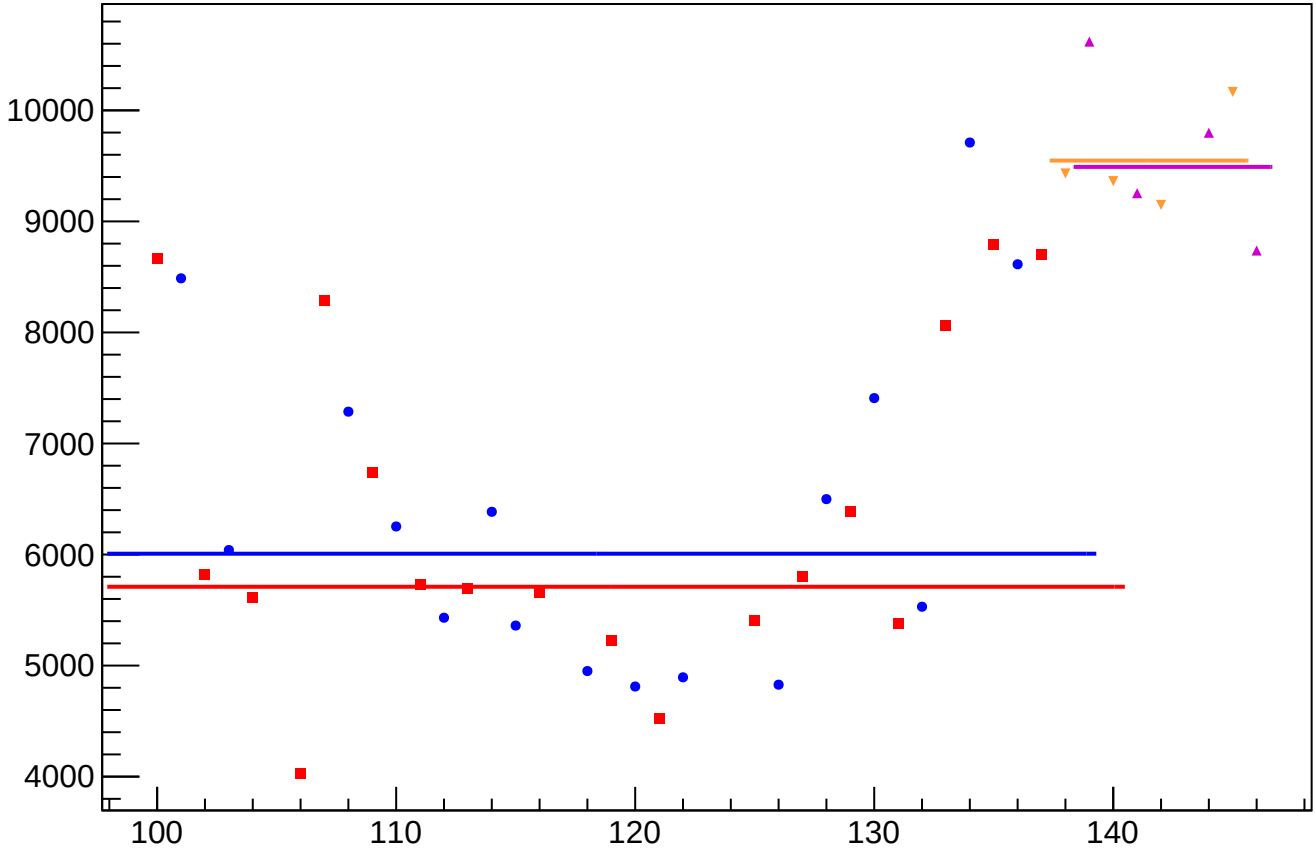
Left In: -1062.068+/-5083.125 χ^2/NDF:0.8/3

+ sign 1061.668+/-2127.032 χ^2/NDF: 23.4/19

All: -10.998+/-1449.599 χ^2/NDF: 43.0/41

- sign -941.292+/-1980.851 χ^2/NDF: 19.1/21

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9547.707+/-4.009 χ^2/NDF:8499.0/3

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

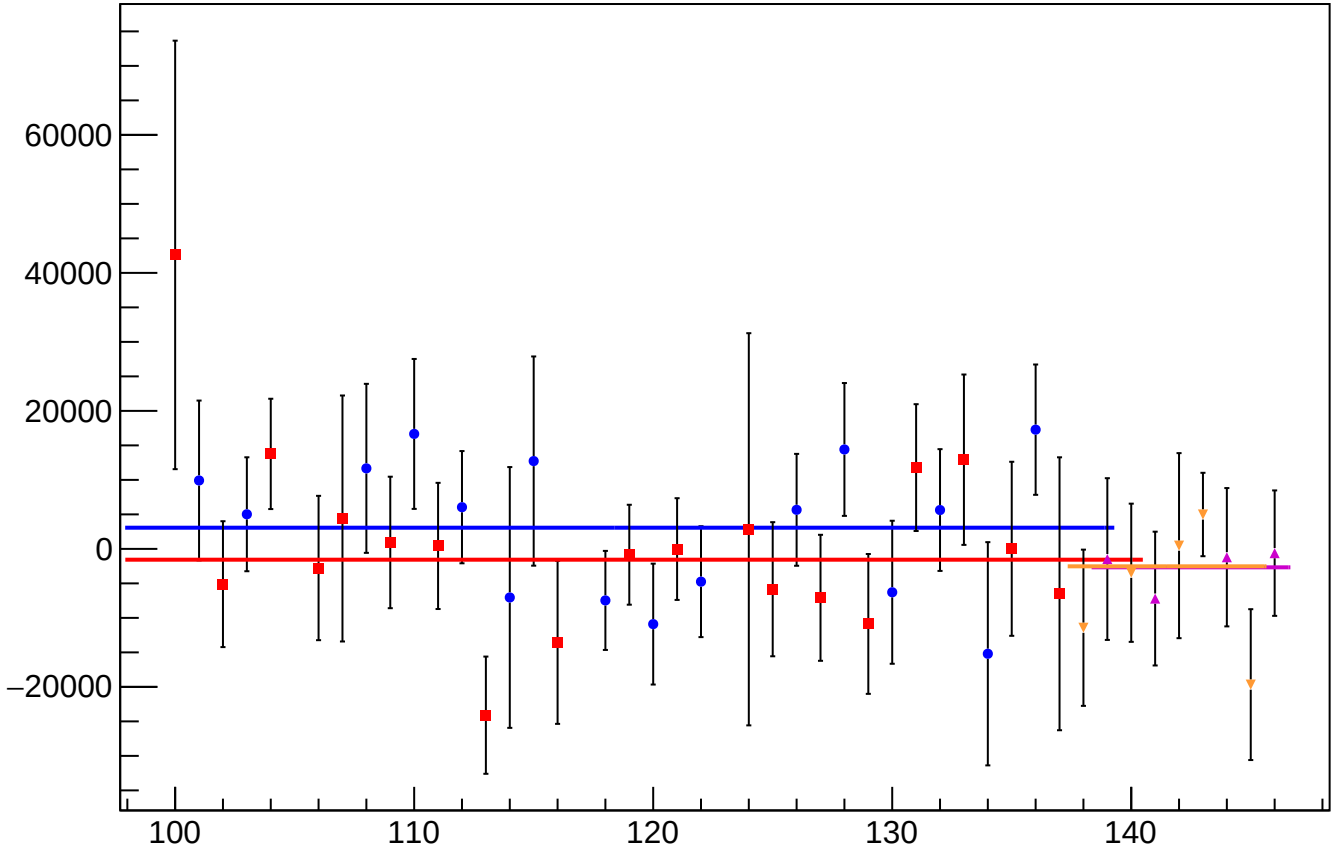
Left In: 9490.804+/-3.594 χ^2/NDF:35166.9/3

+ sign 6505.600+/-1.504 χ^2/NDF: 1332475.1/19

All: 6386.953+/-1.025 χ^2/NDF: 2853684.4/41

- sign 6284.054+/-1.401 χ^2/NDF: 1509589.4/21

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -2526.999+/-4114.196 χ^2/NDF:4.7/4

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

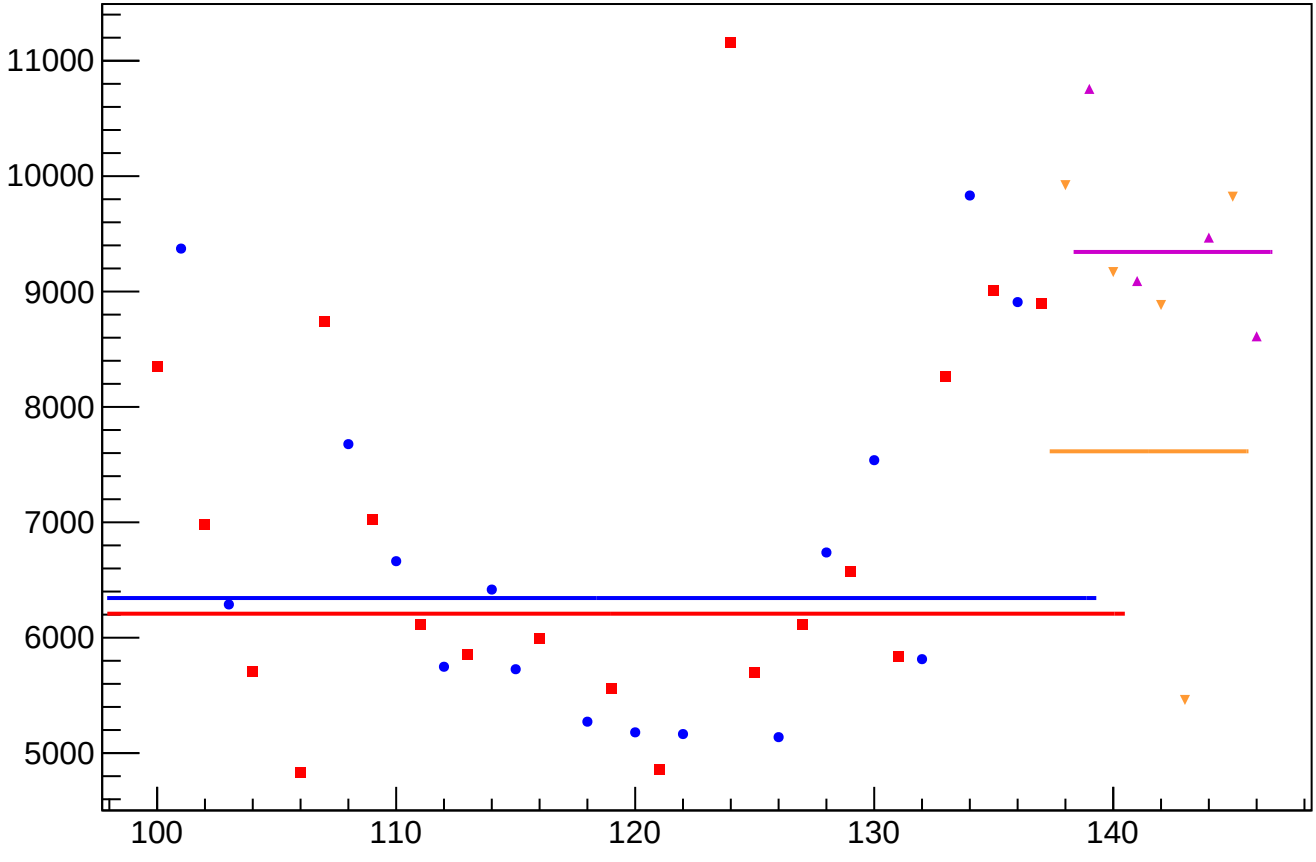
Left In: -2672.930+/-5001.598 χ^2/NDF:0.3/3

+ sign 1630.865+/-2086.368 χ^2/NDF: 20.9/20

All: -42.815+/-1485.805 χ^2/NDF: 41.8/43

- sign -1765.099+/-2116.446 χ^2/NDF: 19.5/22

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7615.374+/-2.909 χ^2/NDF:484748.0/4

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

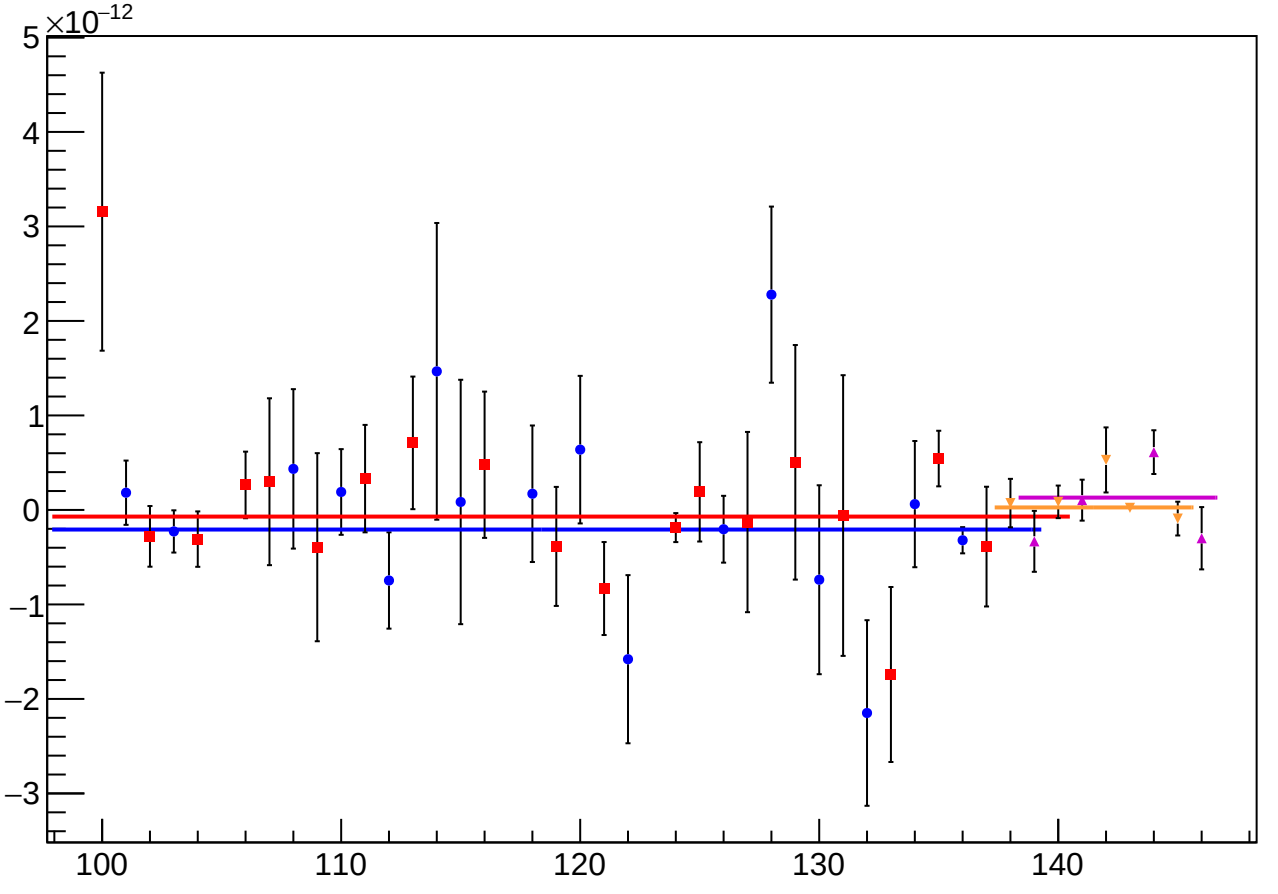
Left In: 9343.149+/-3.537 χ^2/NDF:43678.2/3

+ sign 6670.801+/-1.475 χ^2/NDF: 1247906.6/20

All: 6719.423+/-1.051 χ^2/NDF: 2410709.5/43

- sign 6769.456+/-1.497 χ^2/NDF: 1160598.9/22

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:2.7/4

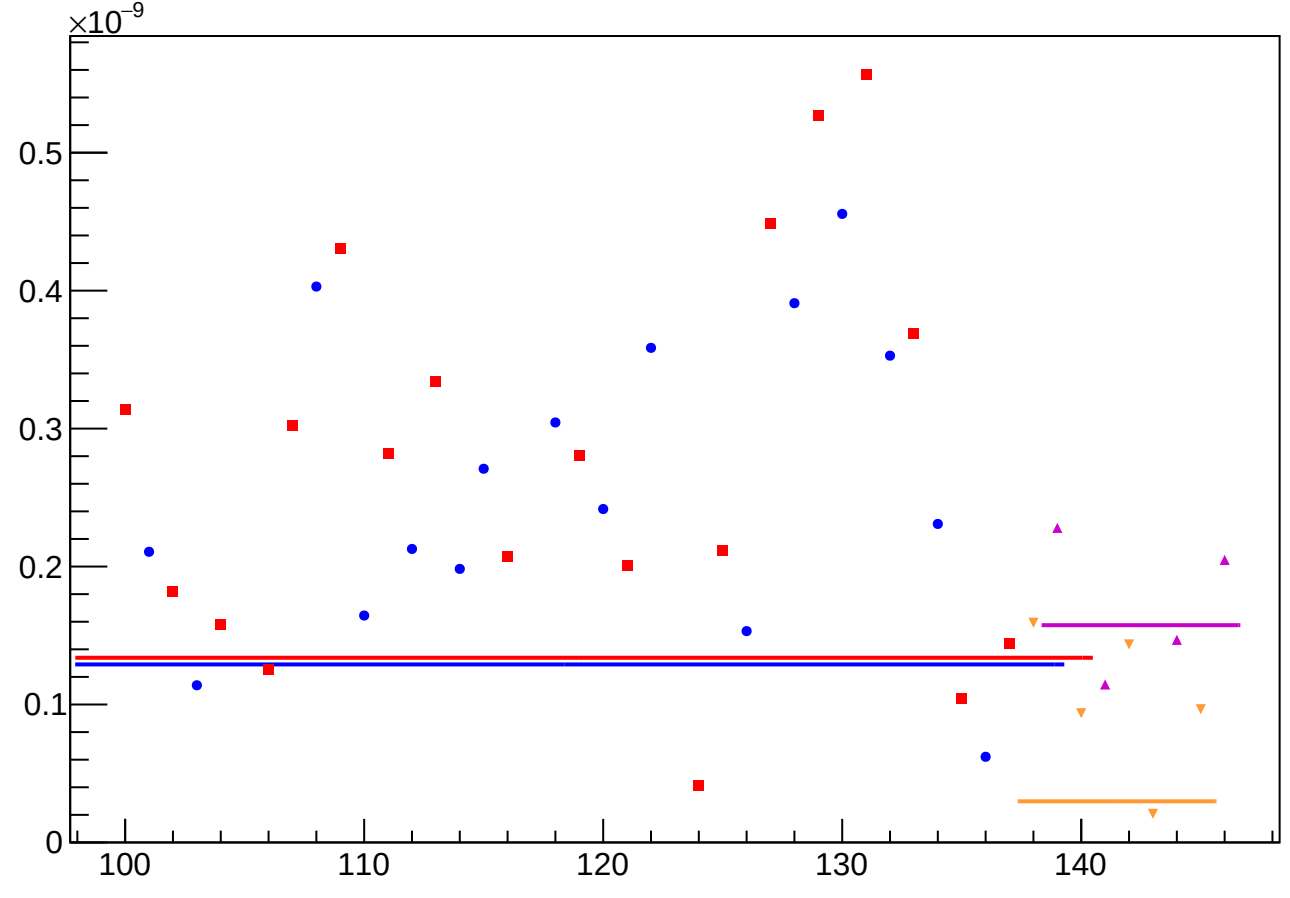
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/20

All: 0.000+/-0.000 χ^2/NDF: 59.5/43

- sign -0.000+/-0.000 χ^2/NDF: 30.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1411111.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

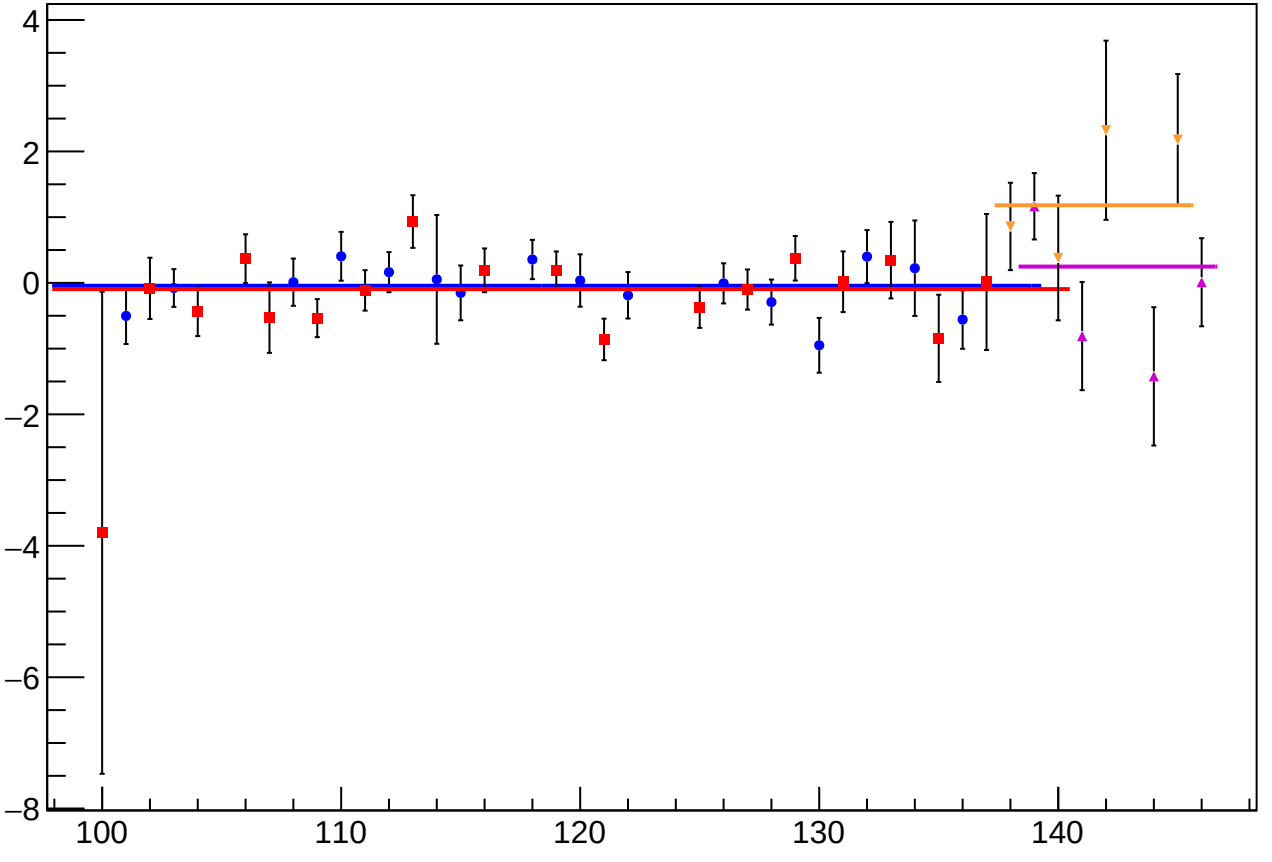
Left In: 0.000+/-0.000 χ^2/NDF:219819.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 5059107.4/20

All: 0.000+/-0.000 χ^2/NDF: 10571024.1/43

- sign 0.000+/-0.000 χ^2/NDF: 2566916.6/22

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 1.181+/-0.451 χ^2/NDF:2.7/3

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

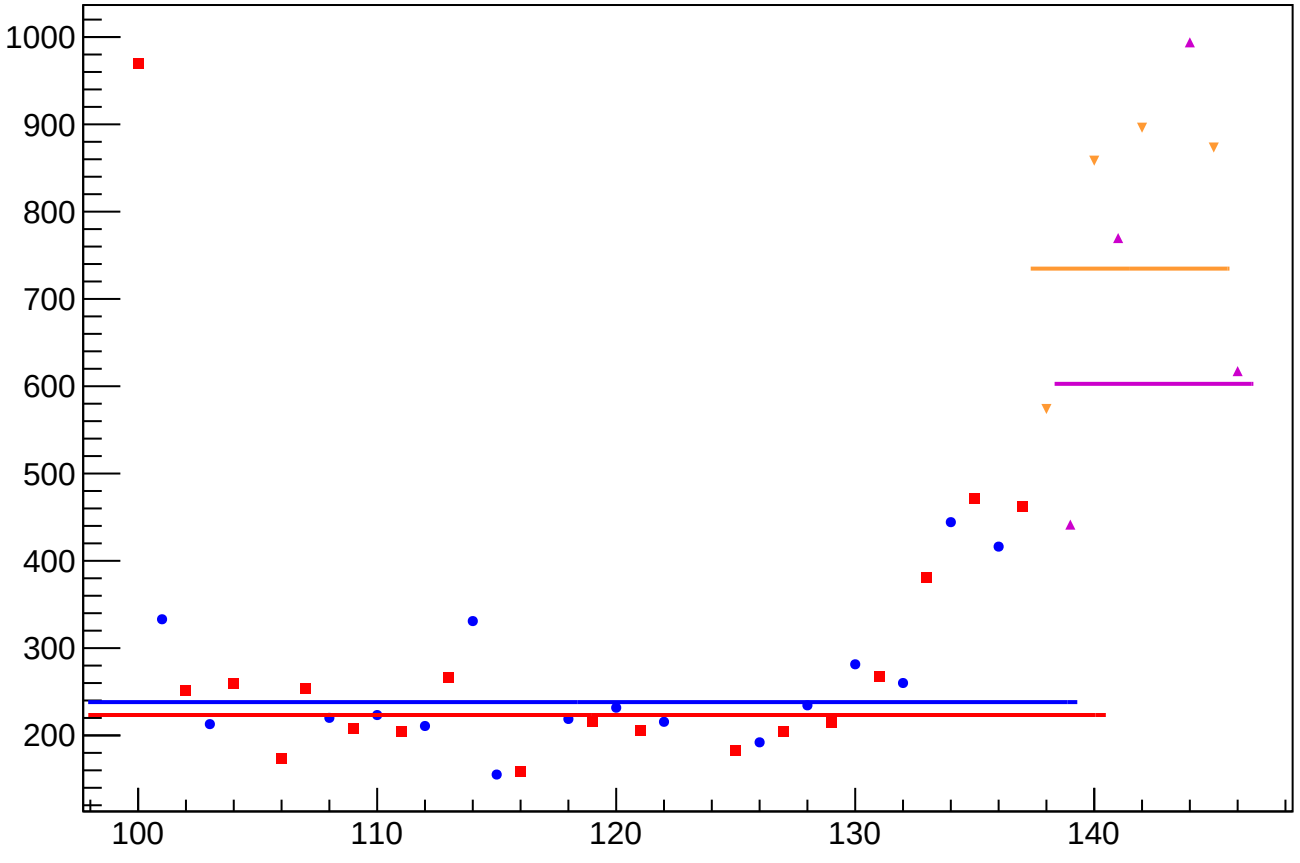
Left In: 0.248+/-0.342 χ^2/NDF:7.6/3

+ sign 0.007+/-0.092 χ^2/NDF: 22.8/19

All: -0.035+/-0.063 χ^2/NDF: 57.0/41

- sign -0.072+/-0.087 χ^2/NDF: 33.8/21

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 734.740+/-0.319 χ^2/NDF:217837.9/3

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

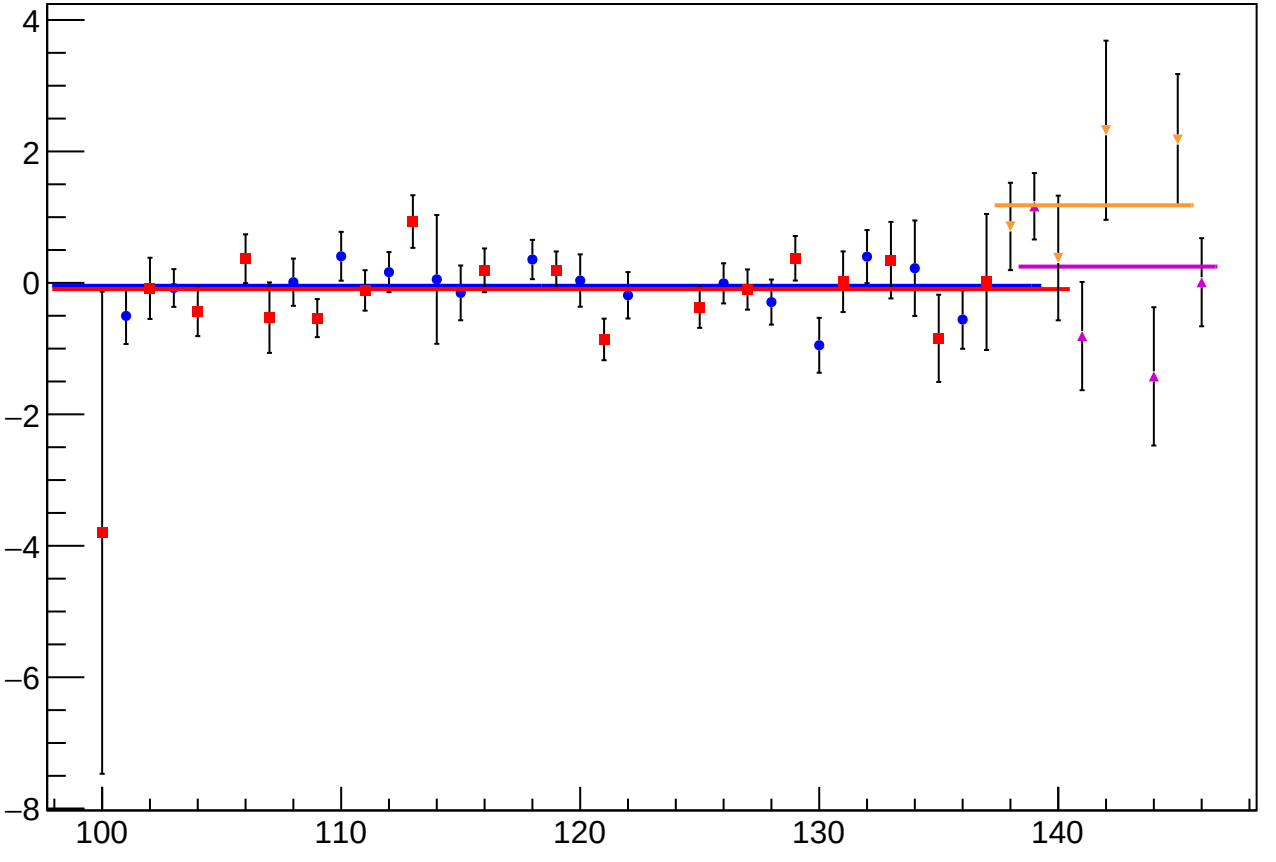
Left In: 602.741+/-0.242 χ^2/NDF:563814.6/3

+ sign 258.769+/-0.065 χ^2/NDF: 3350800.6/19

All: 253.053+/-0.045 χ^2/NDF: 7087262.7/41

- sign 247.914+/-0.062 χ^2/NDF: 3721747.7/21

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 1.181+/-0.451 χ^2/NDF:2.7/3

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

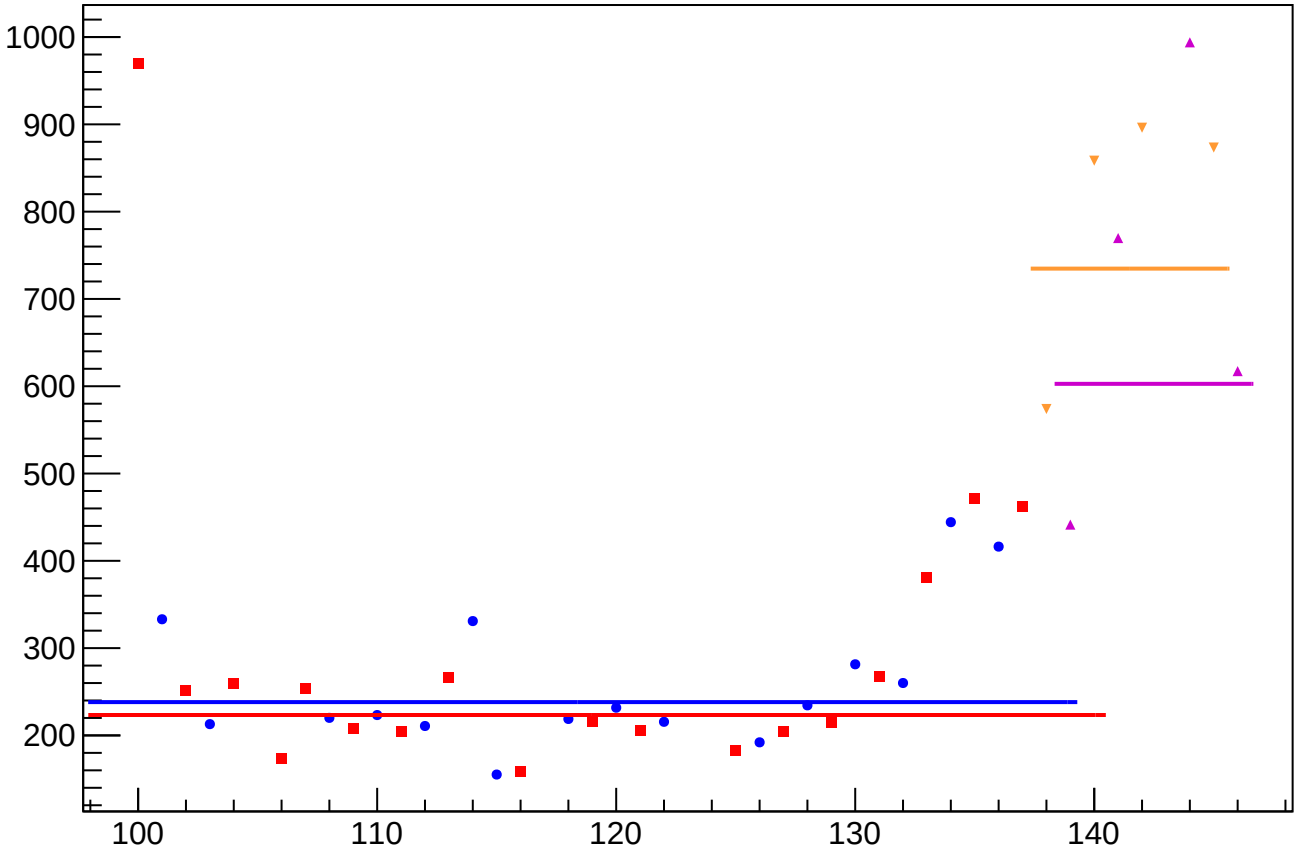
Left In: 0.248+/-0.342 χ^2/NDF:7.6/3

+ sign 0.007+/-0.092 χ^2/NDF: 22.8/19

All: -0.035+/-0.063 χ^2/NDF: 57.0/41

- sign -0.072+/-0.087 χ^2/NDF: 33.8/21

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 734.740+/-0.319 χ^2/NDF:217837.9/3

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

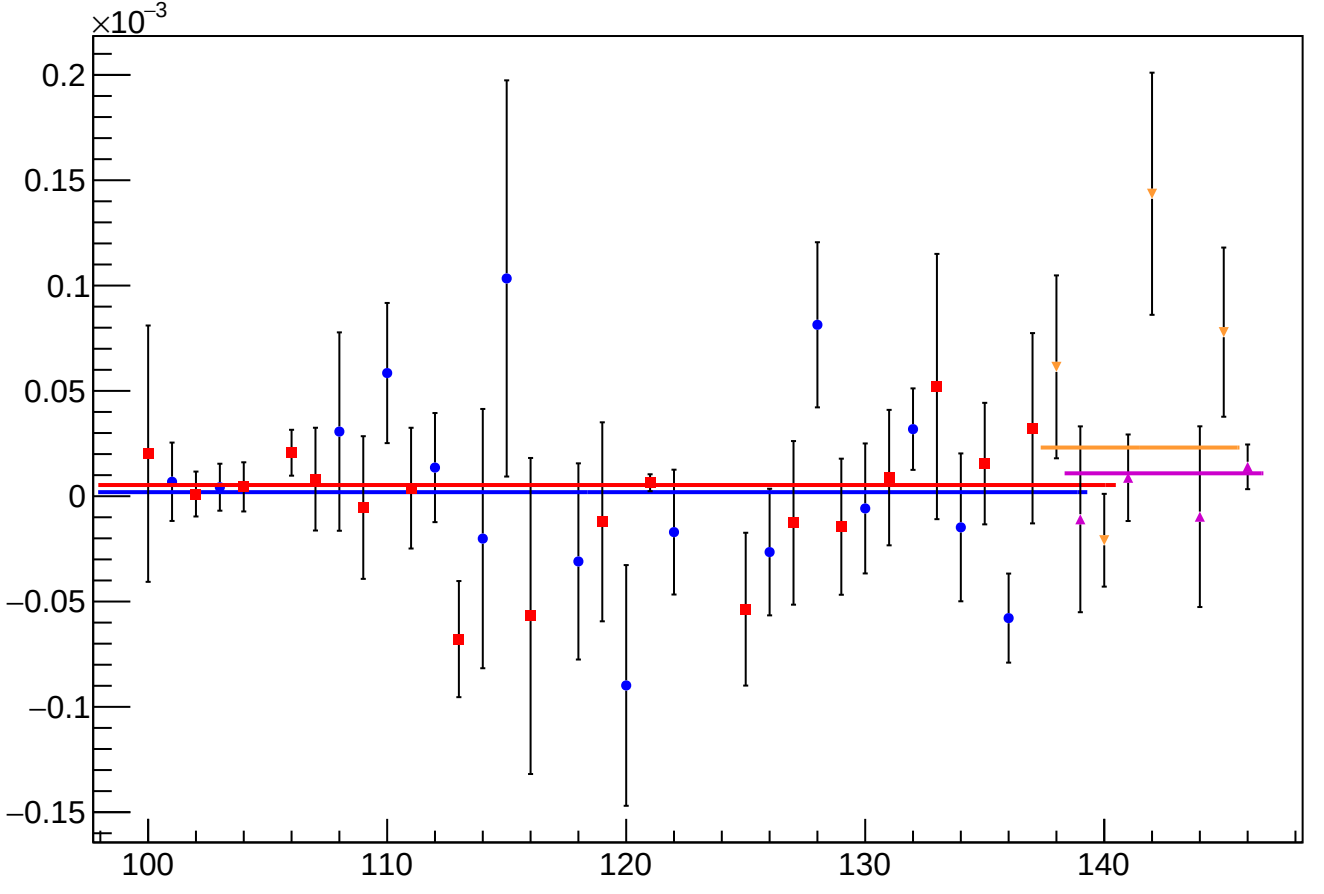
Left In: 602.741+/-0.242 χ^2/NDF:563814.6/3

+ sign 258.769+/-0.065 χ^2/NDF: 3350800.6/19

All: 253.053+/-0.045 χ^2/NDF: 7087262.7/41

- sign 247.914+/-0.062 χ^2/NDF: 3721747.7/21

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/3

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

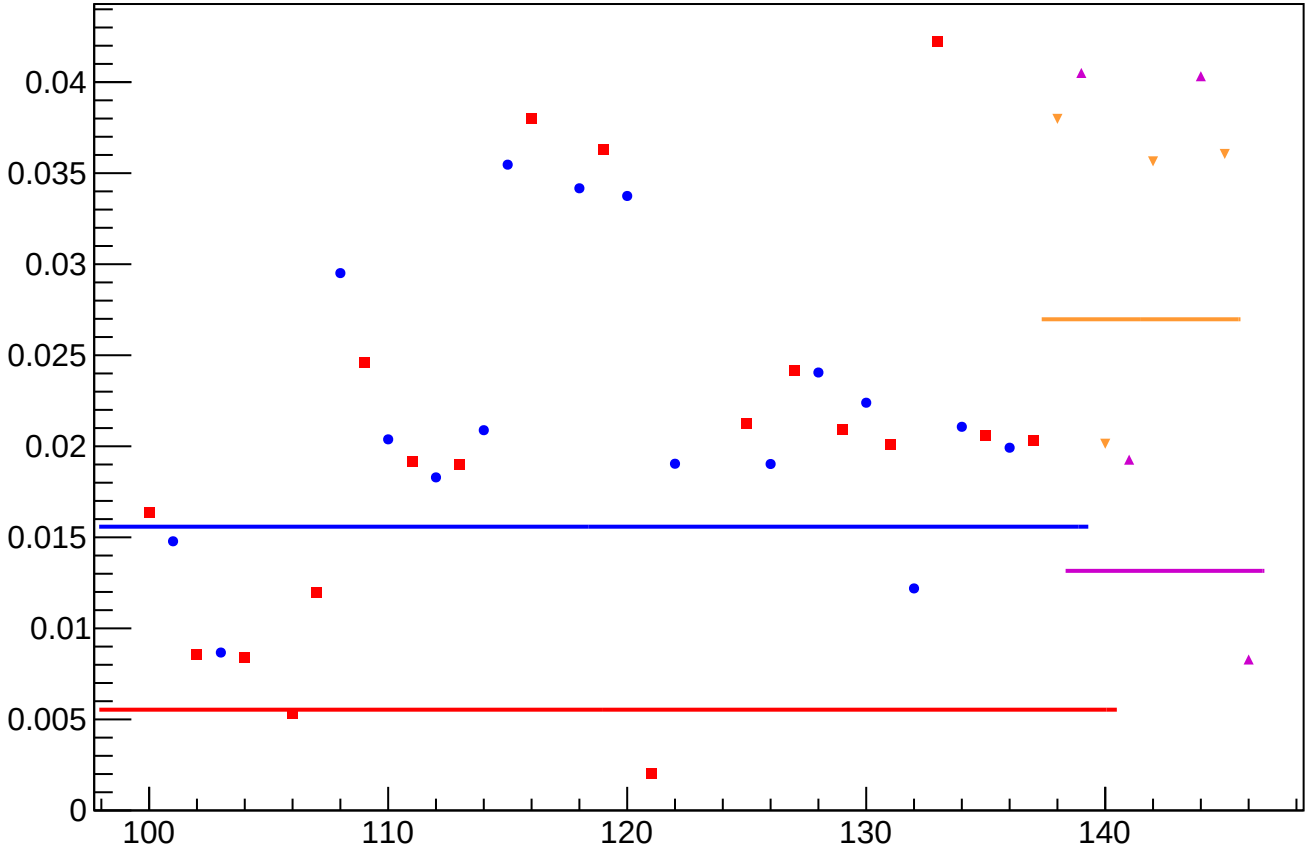
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/19

All: 0.000+/-0.000 χ^2/NDF: 51.9/41

- sign 0.000+/-0.000 χ^2/NDF: 15.4/21

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.027+/-0.000 χ^2/NDF:468943.7/3

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

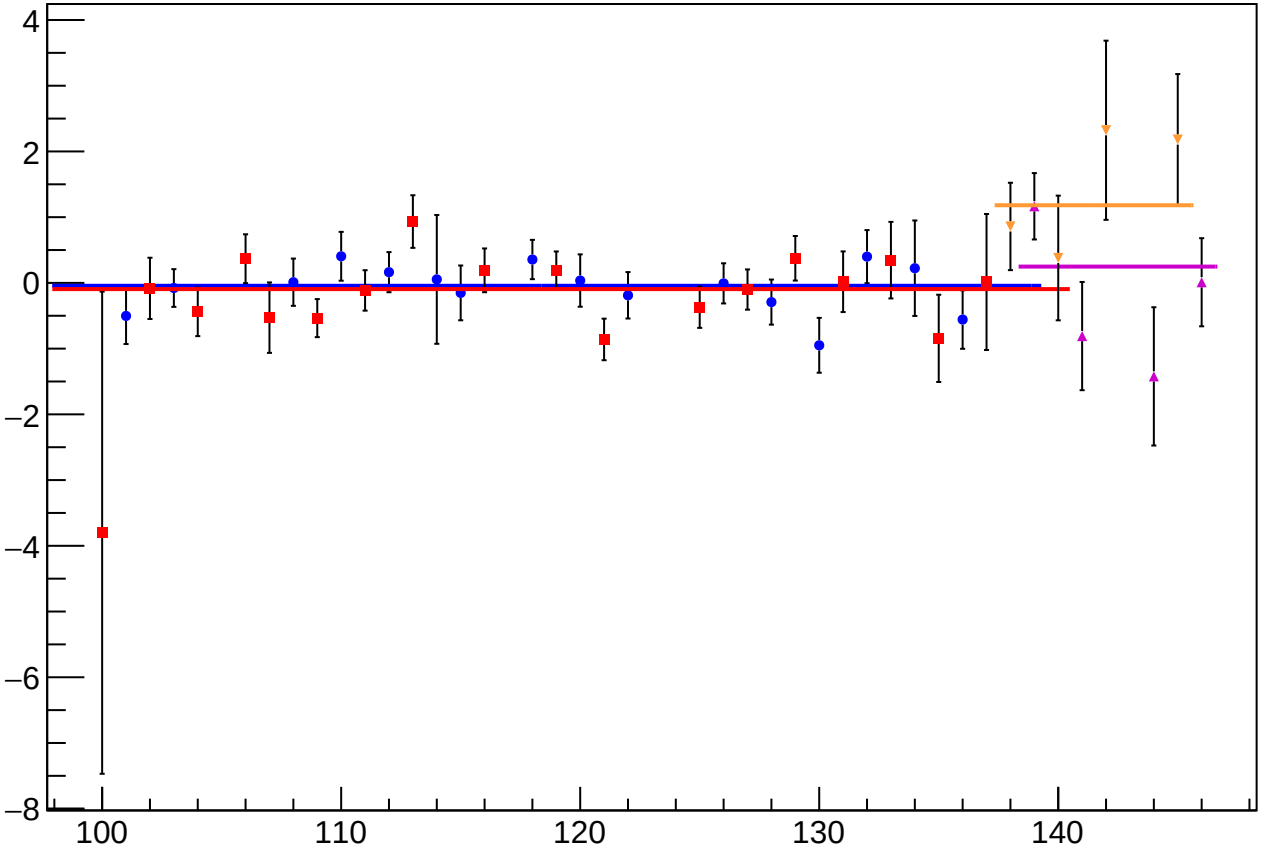
Left In: 0.013+/-0.000 χ^2/NDF:2168983.5/3

+ sign 0.017+/-0.000 χ^2/NDF: 3341733.4/19

All: 0.009+/-0.000 χ^2/NDF: 19790122.4/41

- sign 0.006+/-0.000 χ^2/NDF: 11396337.1/21

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 1.181+/-0.451 χ^2/NDF:2.7/3

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

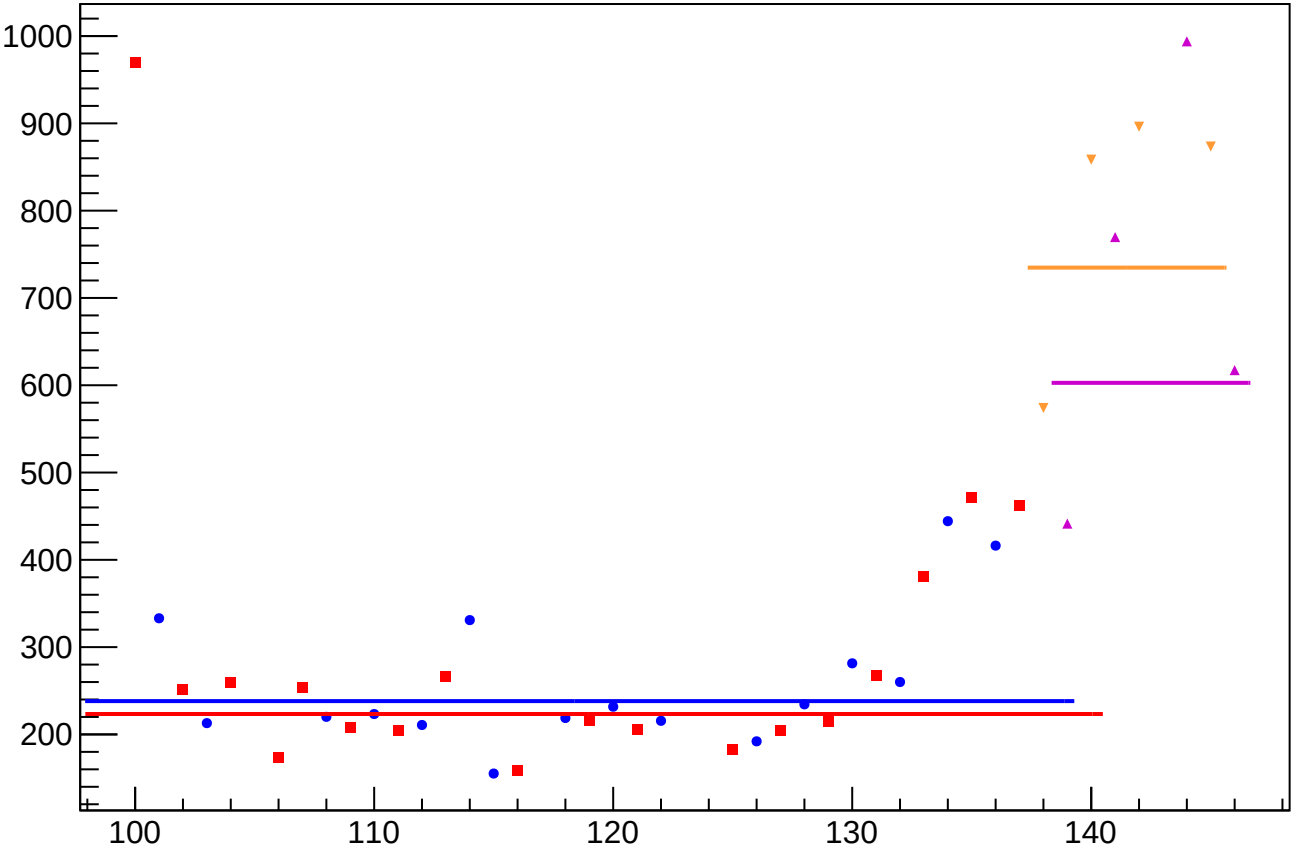
Left In: 0.248+/-0.342 χ^2/NDF:7.6/3

+ sign 0.007+/-0.092 χ^2/NDF: 22.8/19

All: -0.035+/-0.063 χ^2/NDF: 57.0/41

- sign -0.072+/-0.087 χ^2/NDF: 33.8/21

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 734.749+/-0.319 χ^2/NDF:217854.8/3

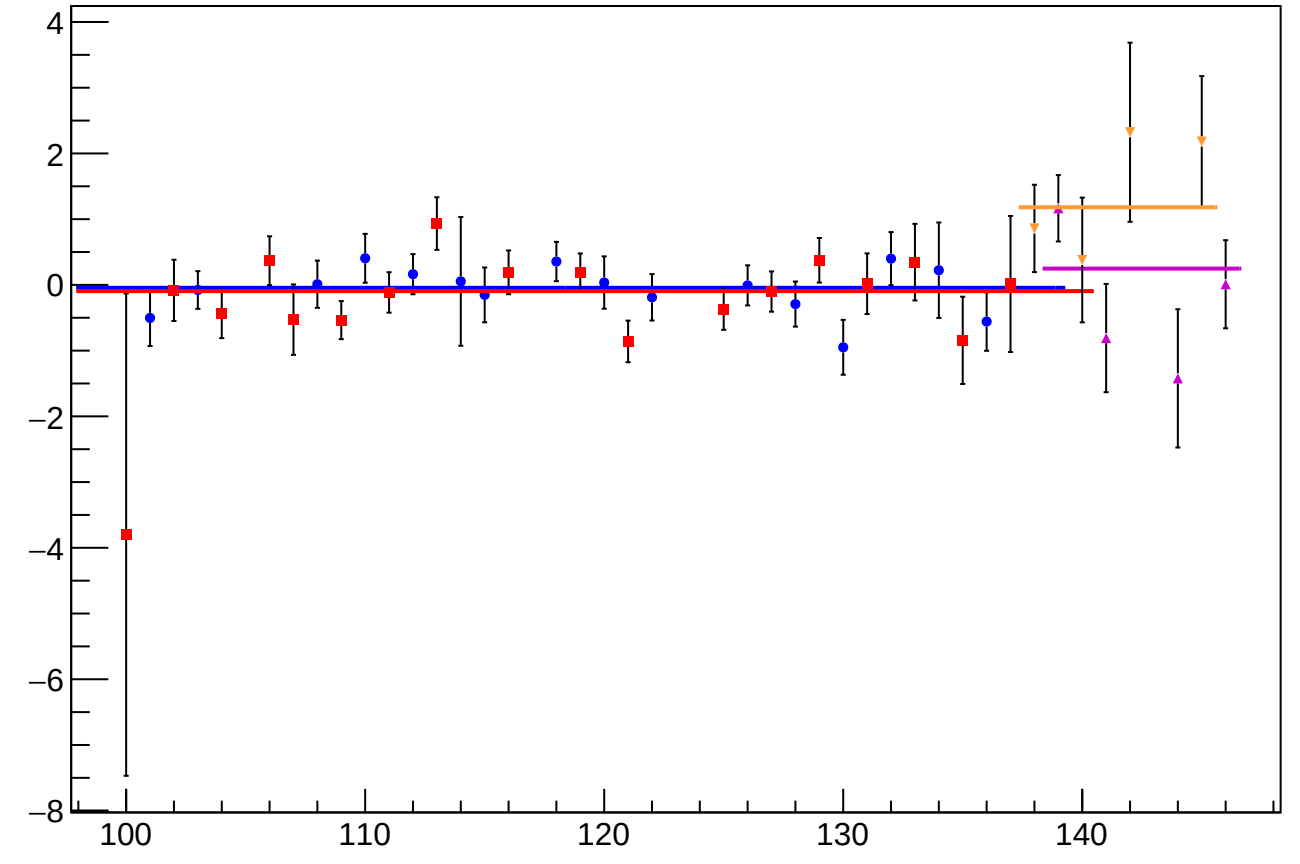
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 602.753+/-0.242 χ^2/NDF:563792.5/3

+ sign 258.769+/-0.065 χ^2/NDF: 3350802.0/19

All: 253.054+/-0.045 χ^2/NDF: 7087225.7/41

- sign 247.915+/-0.062 χ^2/NDF: 3721712.0/21



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 1.181+/-0.451 χ^2/NDF:2.7/3

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

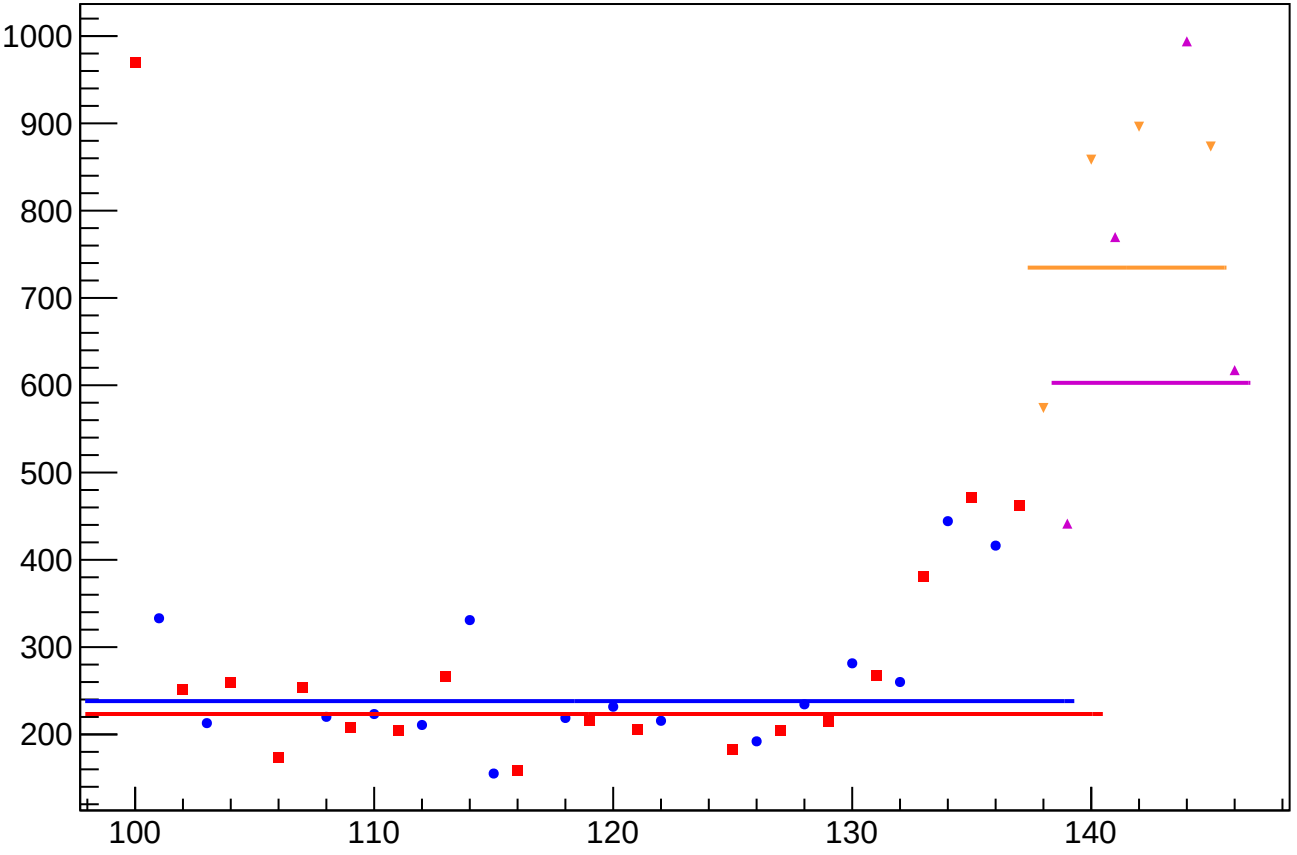
Left In: 0.248+/-0.342 χ^2/NDF:7.6/3

+ sign 0.007+/-0.092 χ^2/NDF: 22.8/19

All: -0.035+/-0.063 χ^2/NDF: 57.0/41

- sign -0.072+/-0.087 χ^2/NDF: 33.8/21

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 734.749+/-0.319 χ^2/NDF:217854.8/3

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

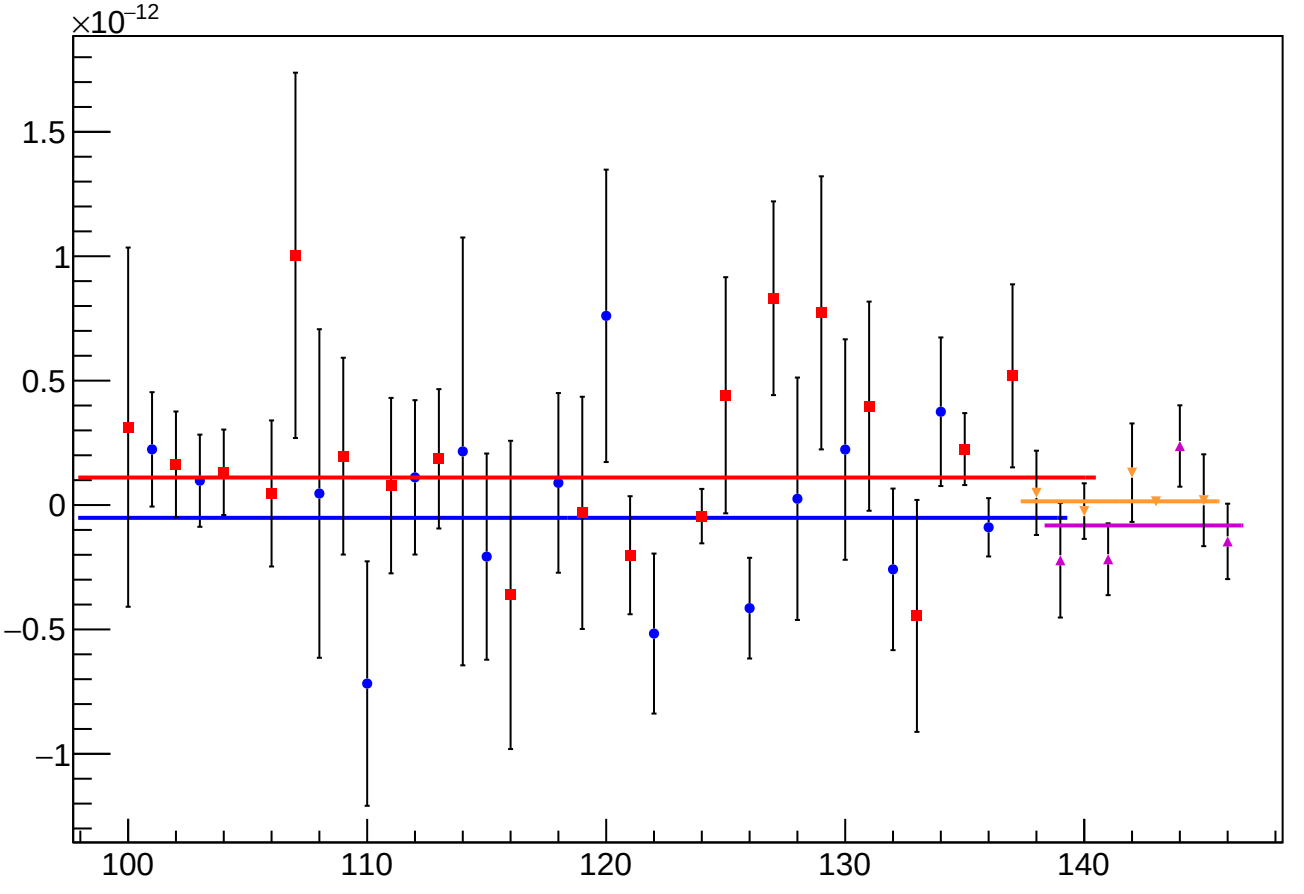
Left In: 602.753+/-0.242 χ^2/NDF:563792.5/3

+ sign 258.769+/-0.065 χ^2/NDF: 3350802.0/19

All: 253.054+/-0.045 χ^2/NDF: 7087225.7/41

- sign 247.915+/-0.062 χ^2/NDF: 3721712.0/21

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:0.5/4

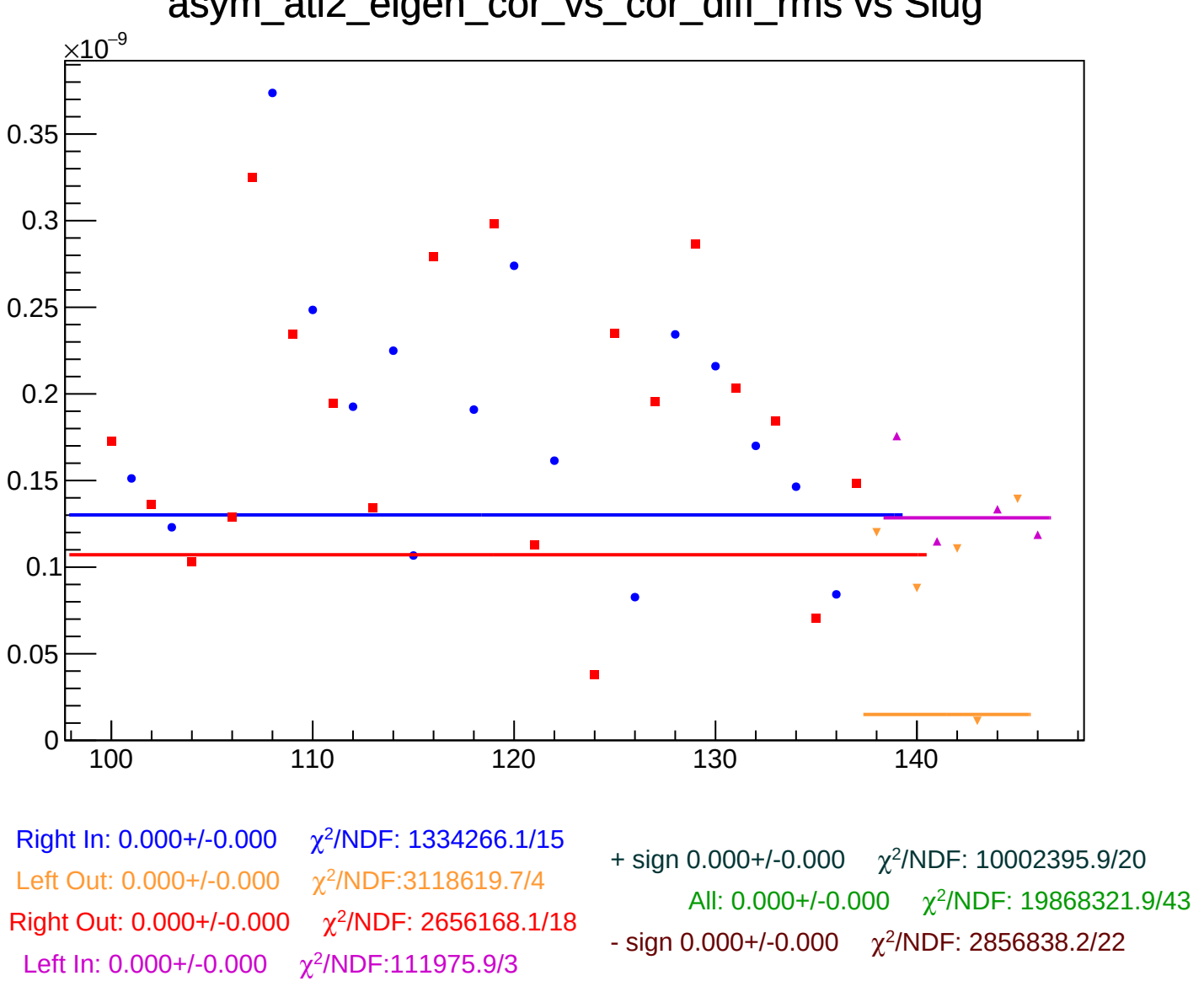
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/3

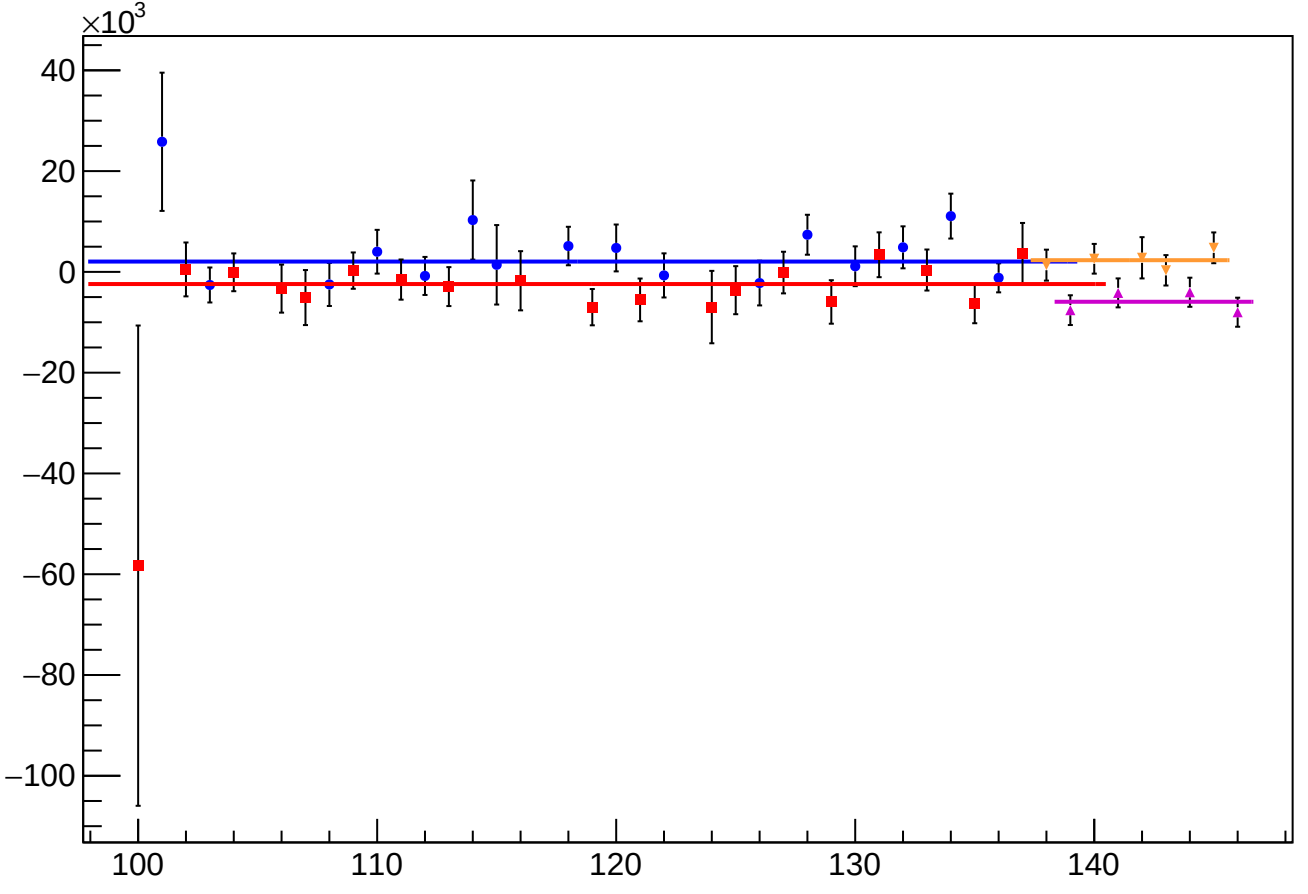
+ sign 0.000+/-0.000 χ^2/NDF: 16.2/20

All: 0.000+/-0.000 χ^2/NDF: 40.9/43

- sign 0.000+/-0.000 χ^2/NDF: 24.2/22


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3118619.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:111975.9/3
+ sign 0.000+/-0.000 χ²/NDF: 10002395.9/20
All: 0.000+/-0.000 χ²/NDF: 19868321.9/43
- sign 0.000+/-0.000 χ²/NDF: 2856838.2/22

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2319.997+/-1417.613 χ^2/NDF:1.2/4

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

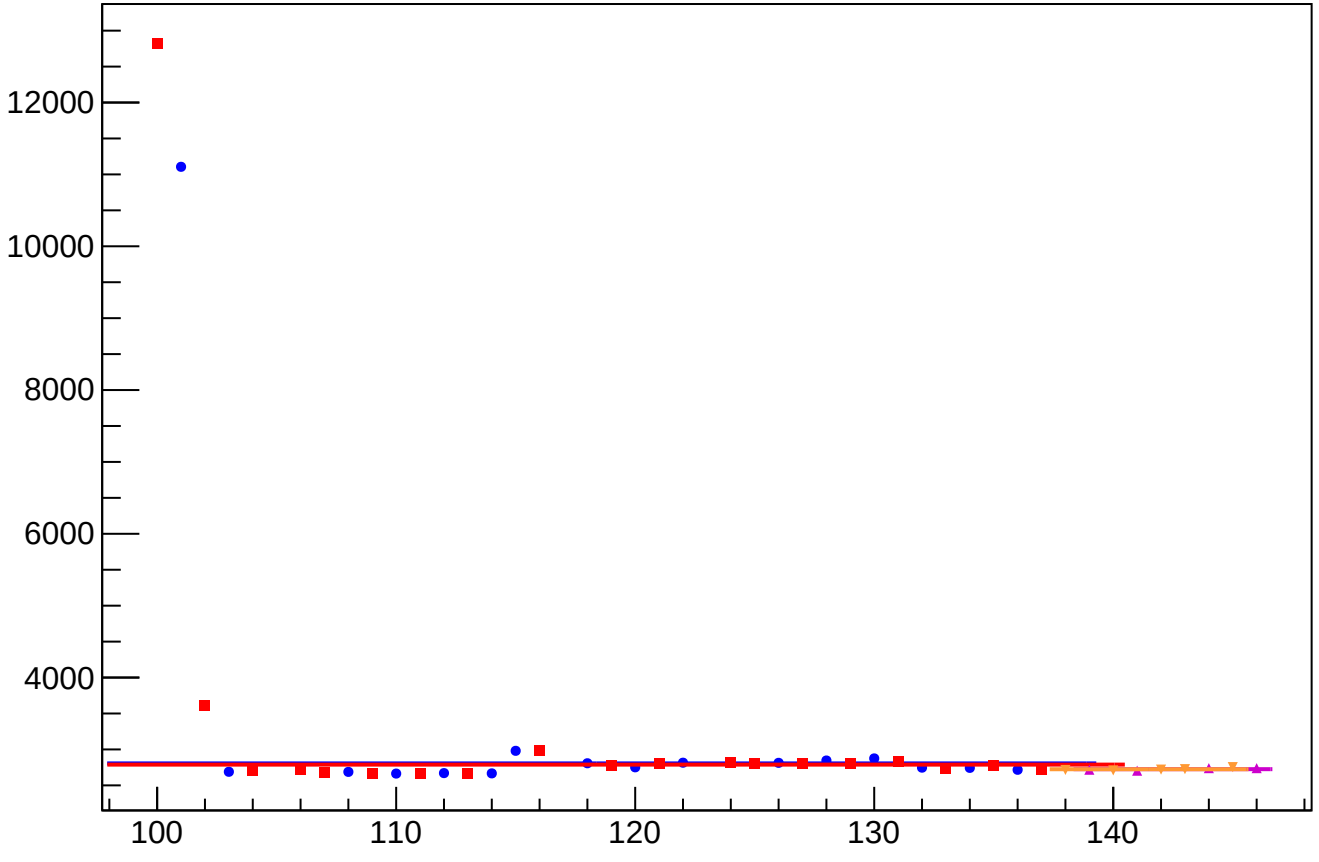
Left In: -5929.200+/-1449.731 χ^2/NDF:1.6/3

+ sign 2147.716+/-854.233 χ^2/NDF: 19.0/20

All: -765.544+/-599.883 χ^2/NDF: 58.3/43

- sign -3600.071+/-842.611 χ^2/NDF: 16.3/22

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2724.495+/-1.002 χ^2/NDF:269.4/4

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

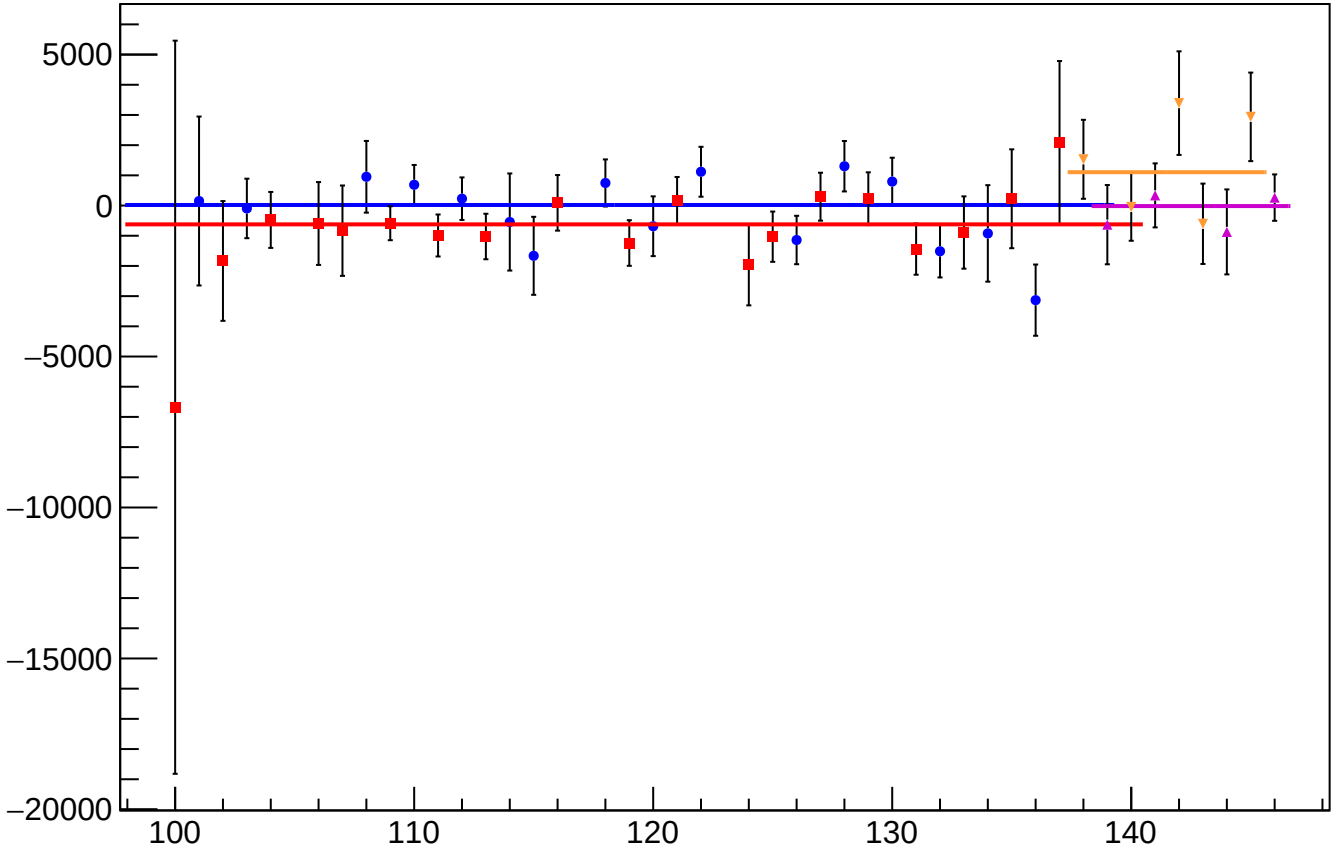
Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

+ sign 2776.052+/-0.604 χ^2/NDF: 750663.6/20

All: 2771.665+/-0.424 χ^2/NDF: 900519.6/43

- sign 2767.397+/-0.596 χ^2/NDF: 149752.0/22

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: 1104.589+/-603.063 χ^2/NDF:6.1/4

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

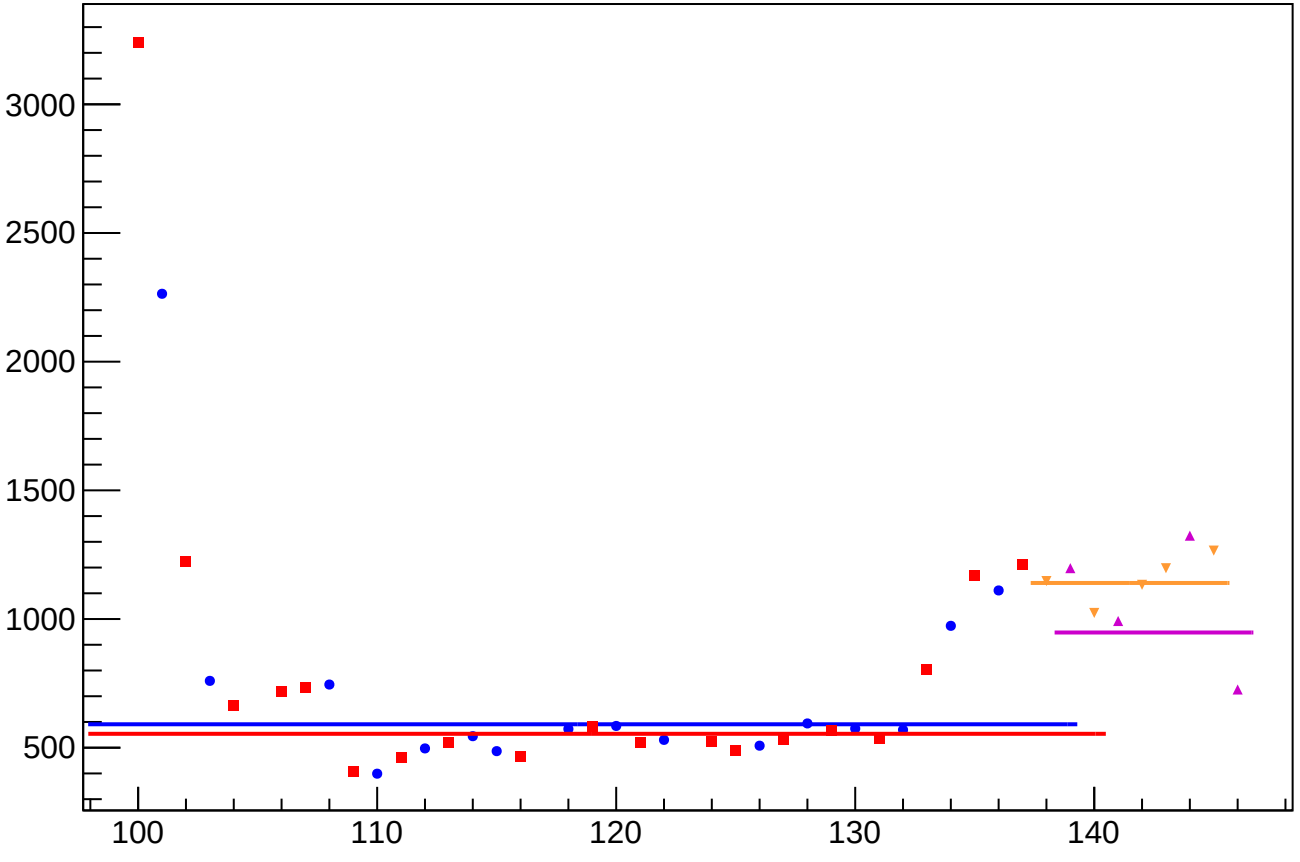
Left In: -17.317+/-522.166 χ^2/NDF:0.8/3

+ sign 160.495+/-217.734 χ^2/NDF: 31.7/20

All: -217.291+/-147.115 χ^2/NDF: 48.5/43

- sign -534.629+/-199.556 χ^2/NDF: 11.3/22

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 1140.123+/-0.426 χ^2/NDF:40084.5/4

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

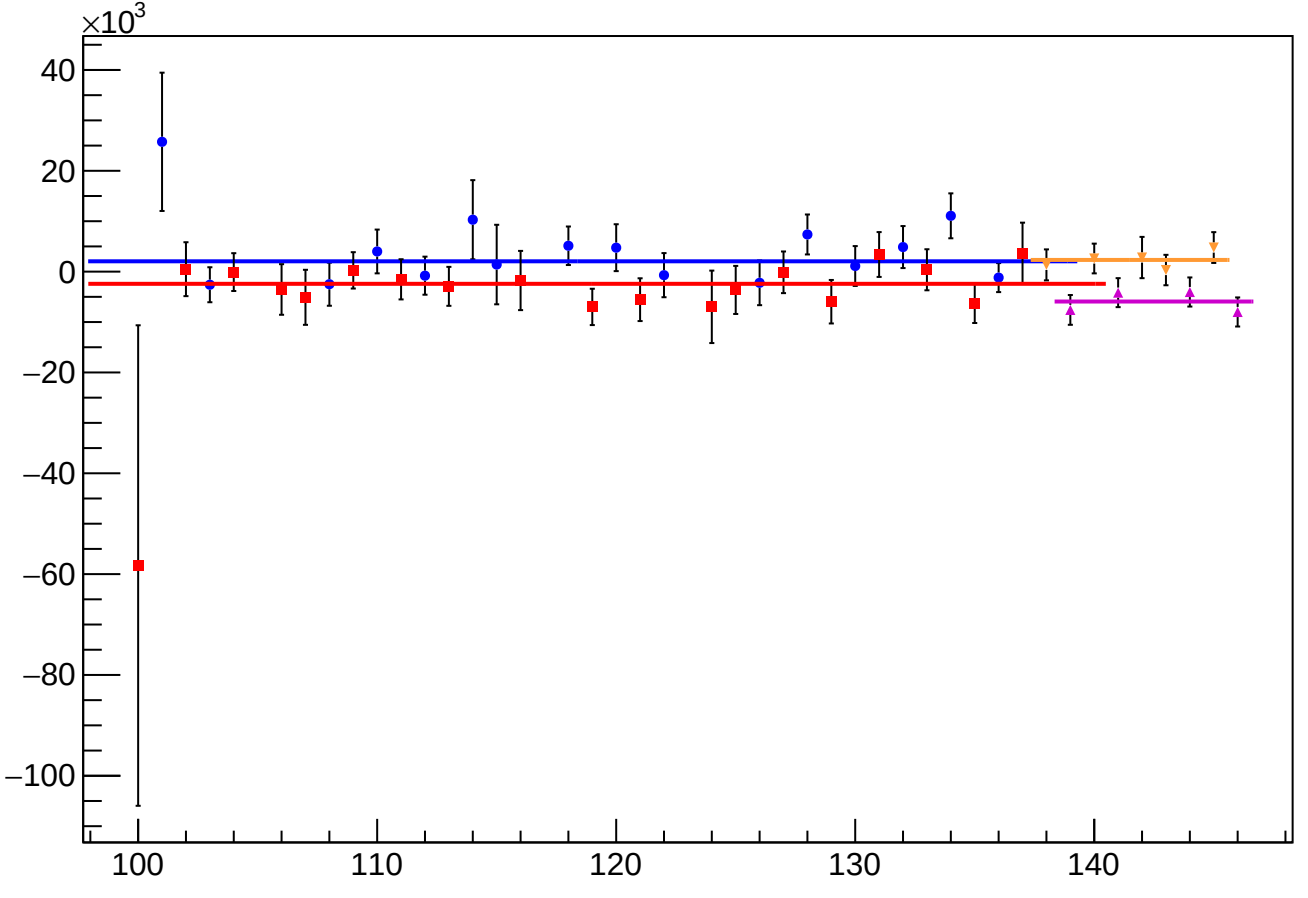
Left In: 947.646+/-0.369 χ^2/NDF:385028.8/3

+ sign 662.617+/-0.154 χ^2/NDF: 3049604.2/20

All: 634.824+/-0.104 χ^2/NDF: 5582228.9/43

- sign 611.478+/-0.141 χ^2/NDF: 2472664.3/22

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2320.312+/-1417.613 χ^2/NDF:1.2/4

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

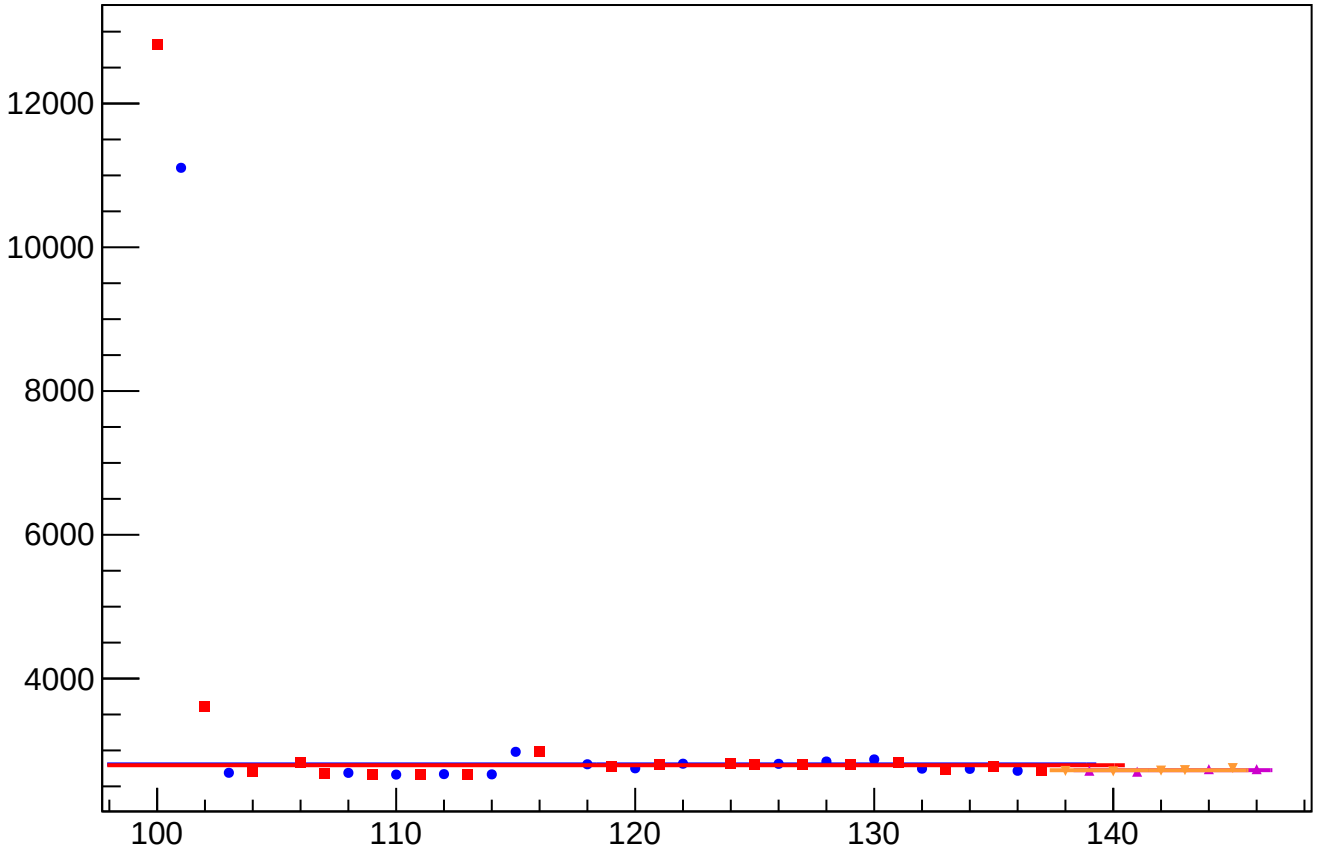
Left In: -5929.467+/-1449.731 χ^2/NDF:1.6/3

+ sign 2147.317+/-854.234 χ^2/NDF: 19.0/20

All: -765.271+/-600.346 χ^2/NDF: 58.3/43

- sign -3607.785+/-843.895 χ^2/NDF: 16.3/22

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.495+/-1.002 χ^2/NDF:269.4/4

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

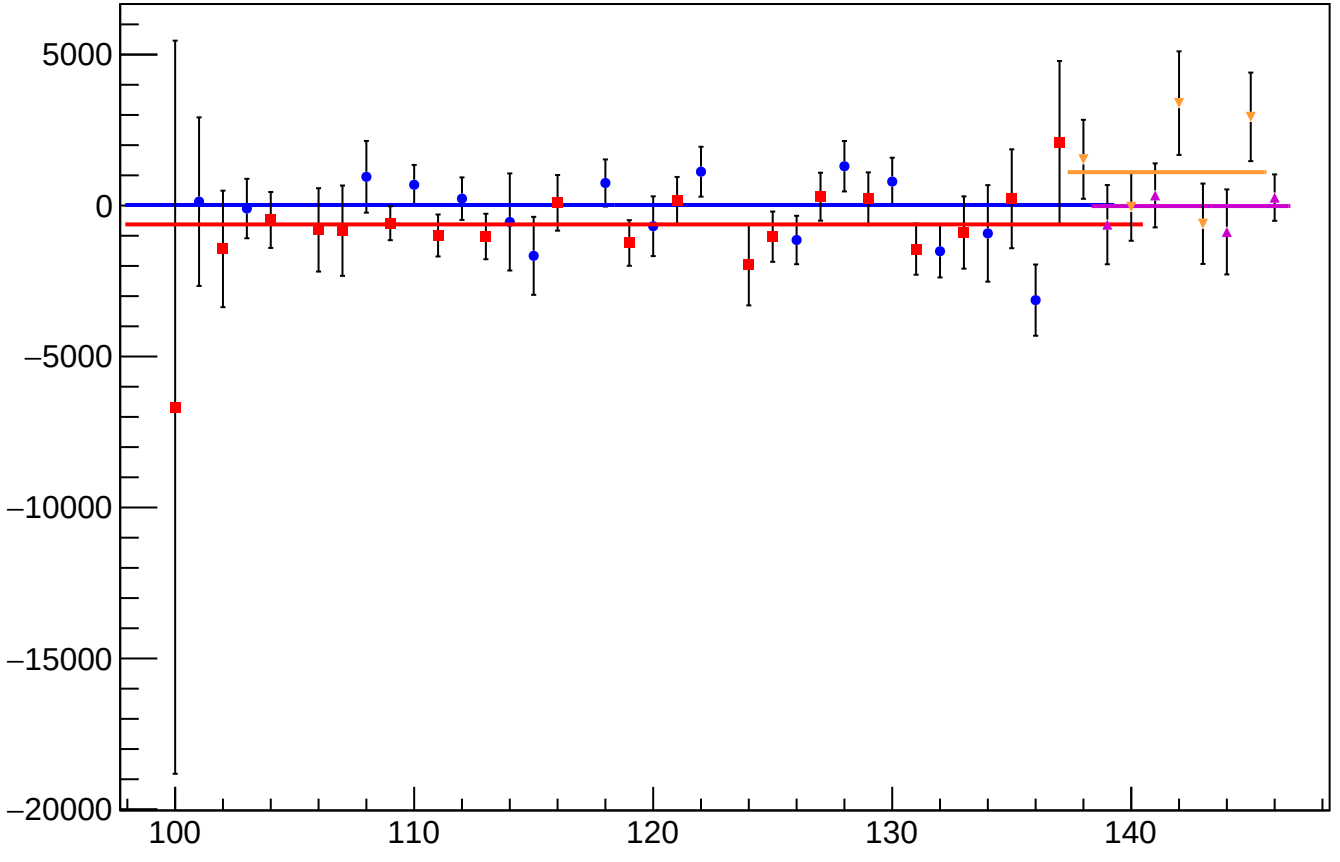
Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

+ sign 2776.052+/-0.604 χ^2/NDF: 750662.7/20

All: 2773.424+/-0.425 χ^2/NDF: 900637.9/43

- sign 2770.860+/-0.597 χ^2/NDF: 149937.8/22

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 1104.719+/-603.059 χ^2/NDF:6.1/4

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

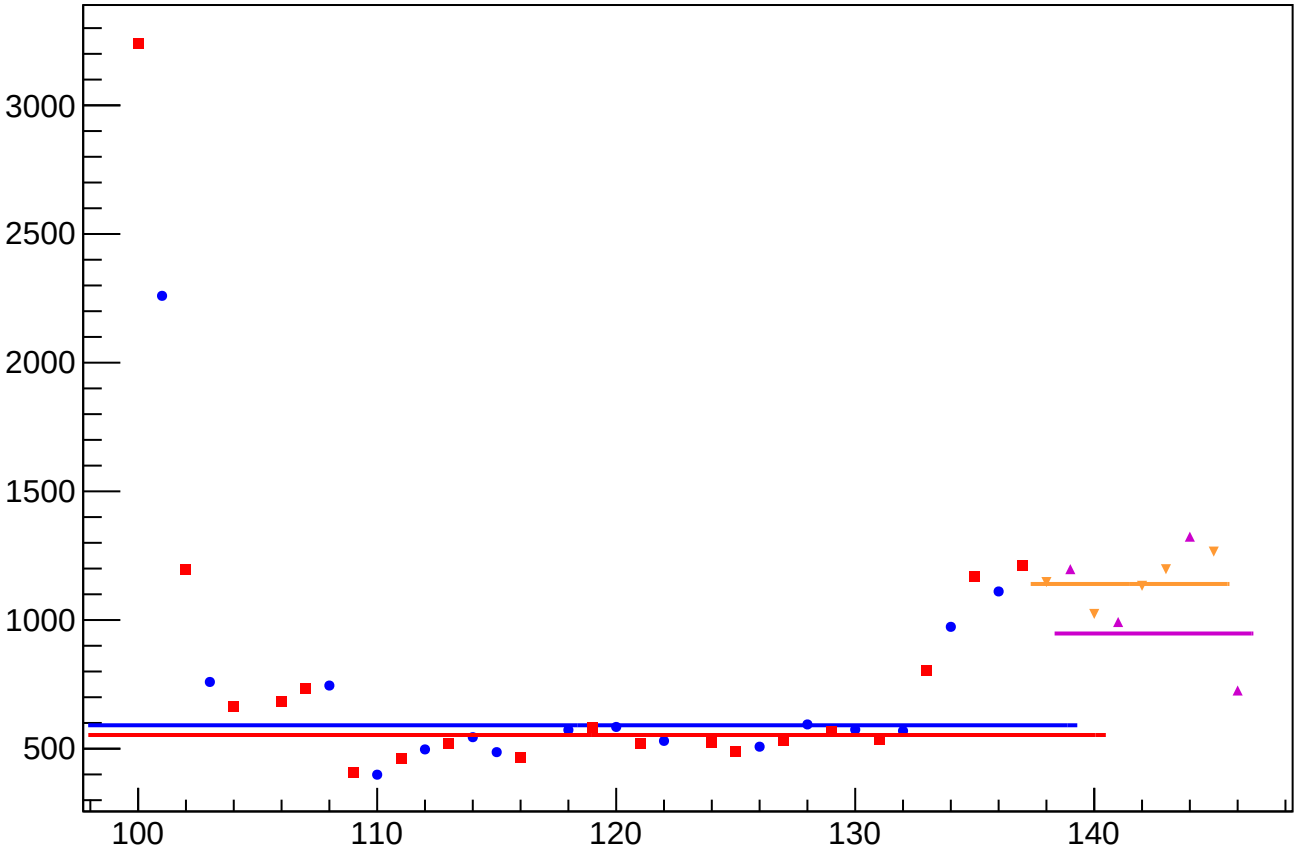
Left In: -17.305+/-522.167 χ^2/NDF:0.8/3

+ sign 160.466+/-217.724 χ^2/NDF: 31.7/20

All: -217.884+/-147.097 χ^2/NDF: 48.4/43

- sign -535.608+/-199.519 χ^2/NDF: 11.1/22

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1140.114+/-0.426 χ^2/NDF:40077.6/4

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

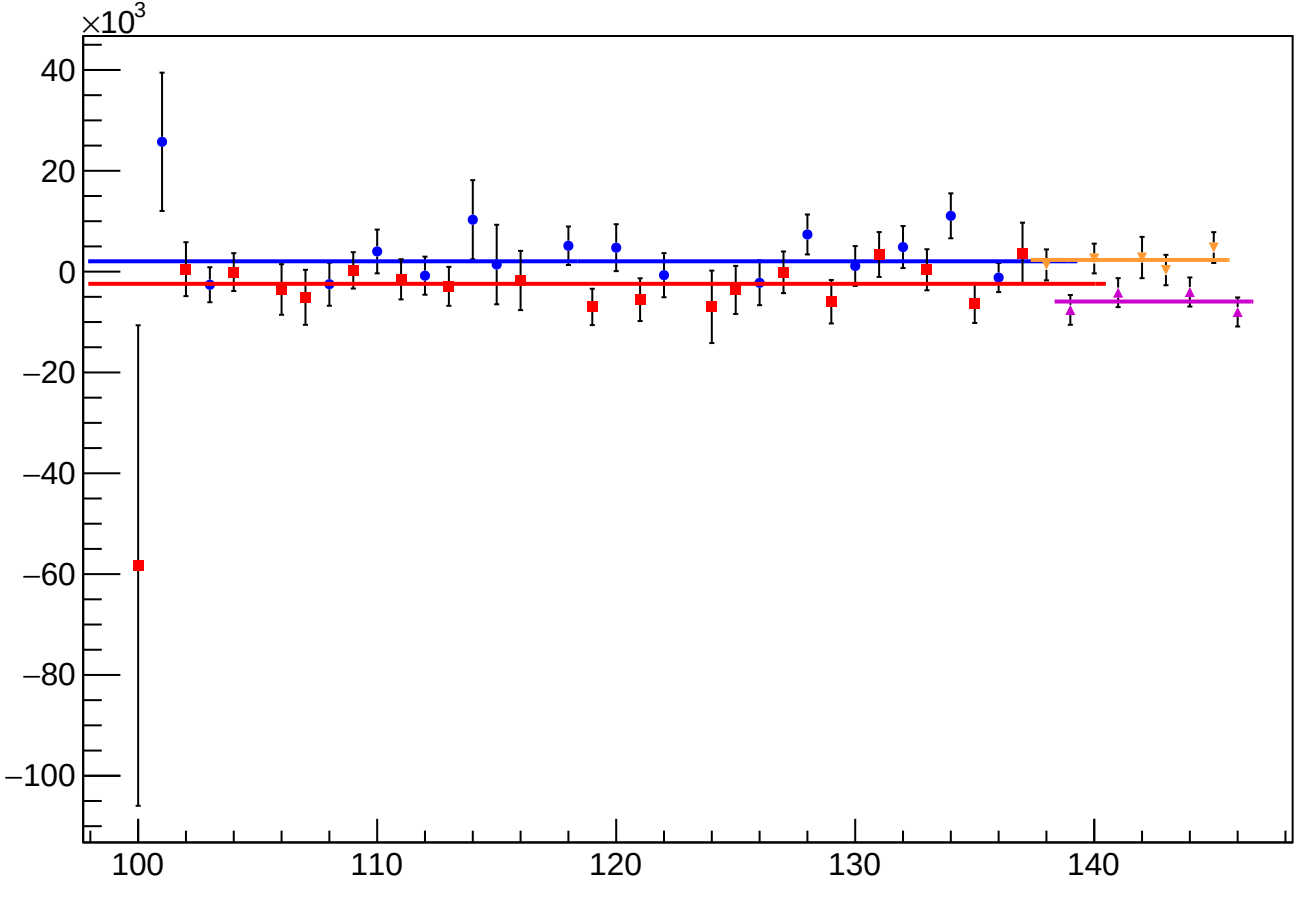
Left In: 947.645+/-0.369 χ^2/NDF:385033.4/3

+ sign 662.608+/-0.154 χ^2/NDF: 3048562.1/20

All: 634.457+/-0.104 χ^2/NDF: 5571232.3/43

- sign 610.817+/-0.141 χ^2/NDF: 2461156.2/22

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2320.312+/-1417.613 χ^2/NDF:1.2/4

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

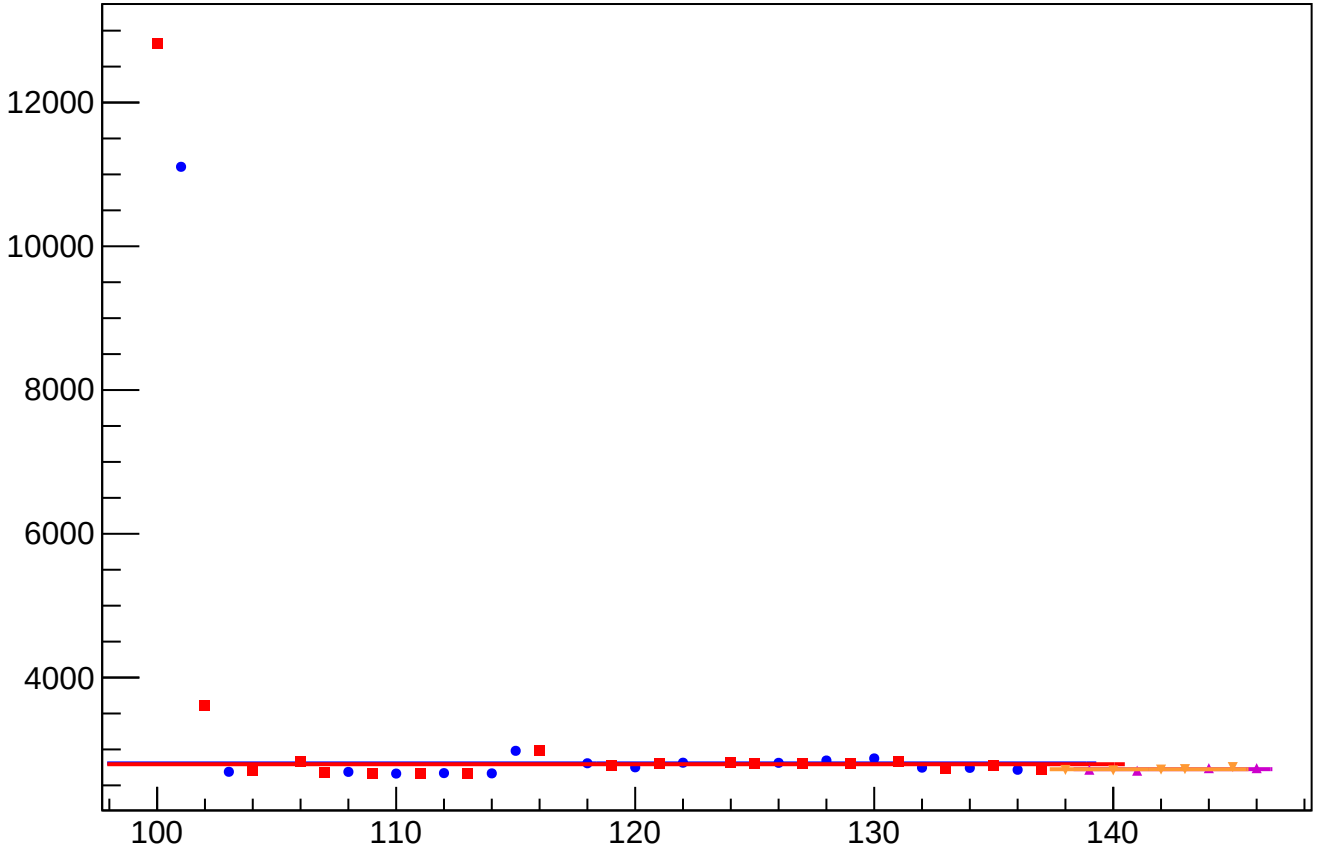
Left In: -5929.467+/-1449.731 χ^2/NDF:1.6/3

+ sign 2147.317+/-854.234 χ^2/NDF: 19.0/20

All: -765.271+/-600.346 χ^2/NDF: 58.3/43

- sign -3607.785+/-843.895 χ^2/NDF: 16.3/22

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.495+/-1.002 χ^2/NDF:269.4/4

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

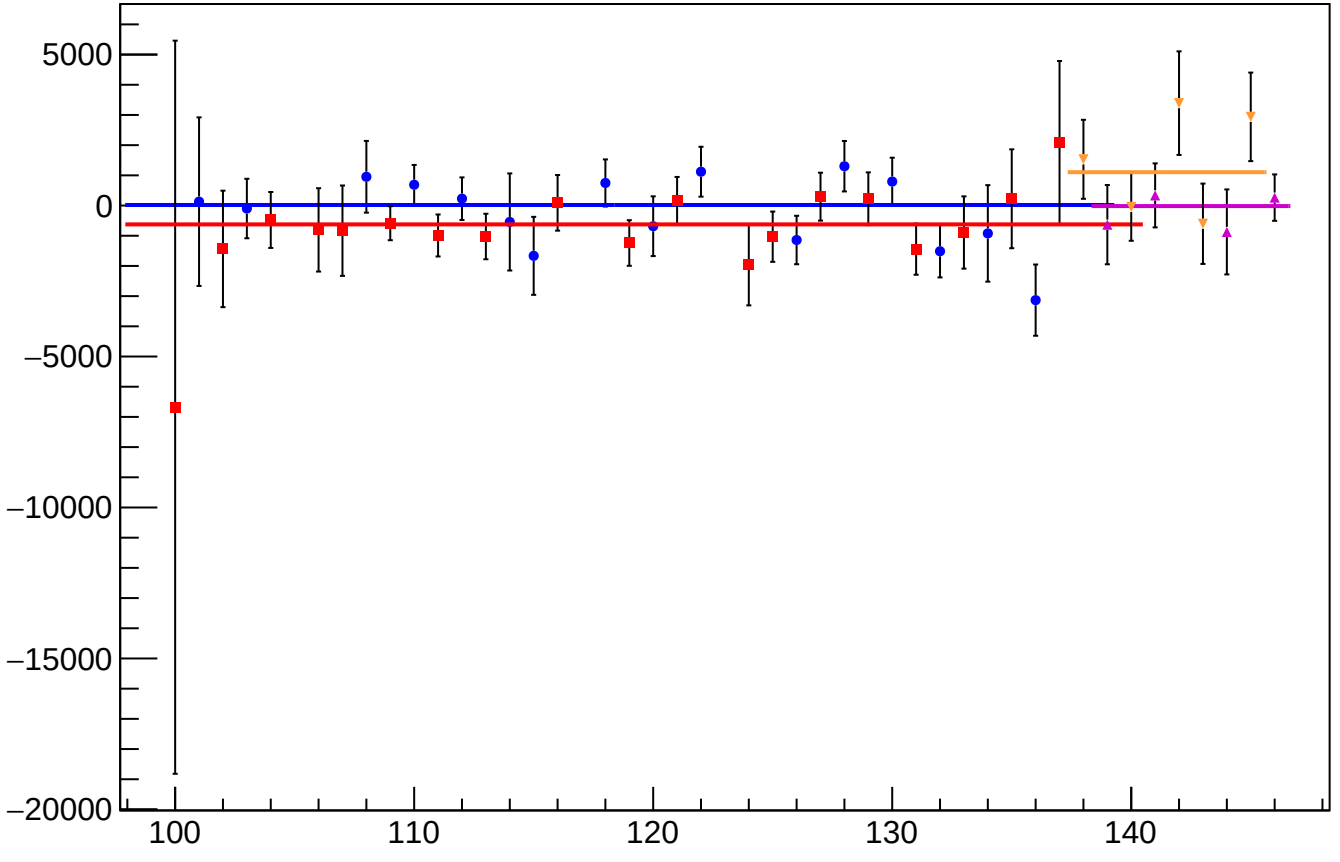
Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

+ sign 2776.052+/-0.604 χ^2/NDF: 750662.7/20

All: 2773.424+/-0.425 χ^2/NDF: 900637.9/43

- sign 2770.860+/-0.597 χ^2/NDF: 149937.8/22

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 1104.719+/-603.059 χ^2/NDF:6.1/4

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

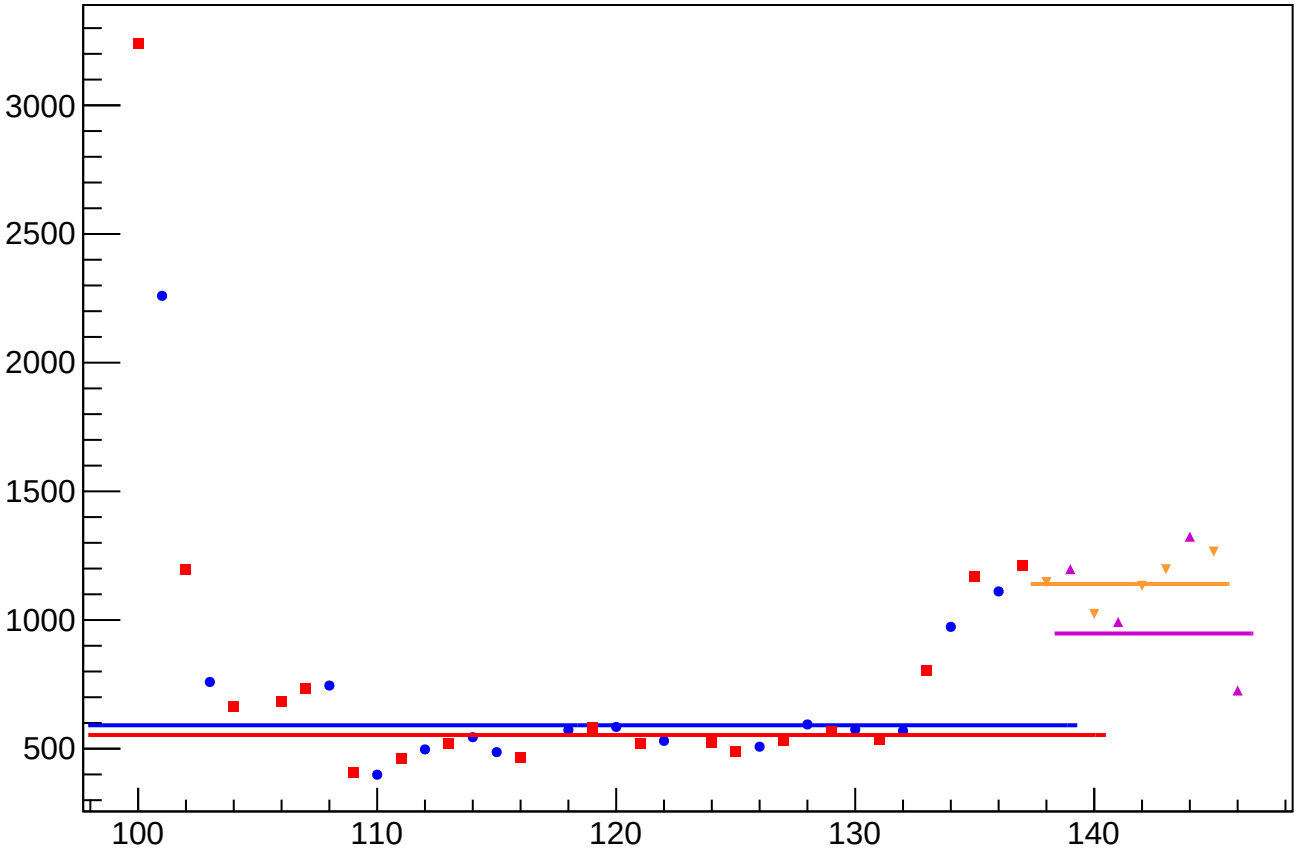
Left In: -17.305+/-522.167 χ^2/NDF:0.8/3

+ sign 160.466+/-217.724 χ^2/NDF: 31.7/20

All: -217.884+/-147.097 χ^2/NDF: 48.4/43

- sign -535.608+/-199.519 χ^2/NDF: 11.1/22

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1140.114+/-0.426 χ^2/NDF:40077.6/4

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

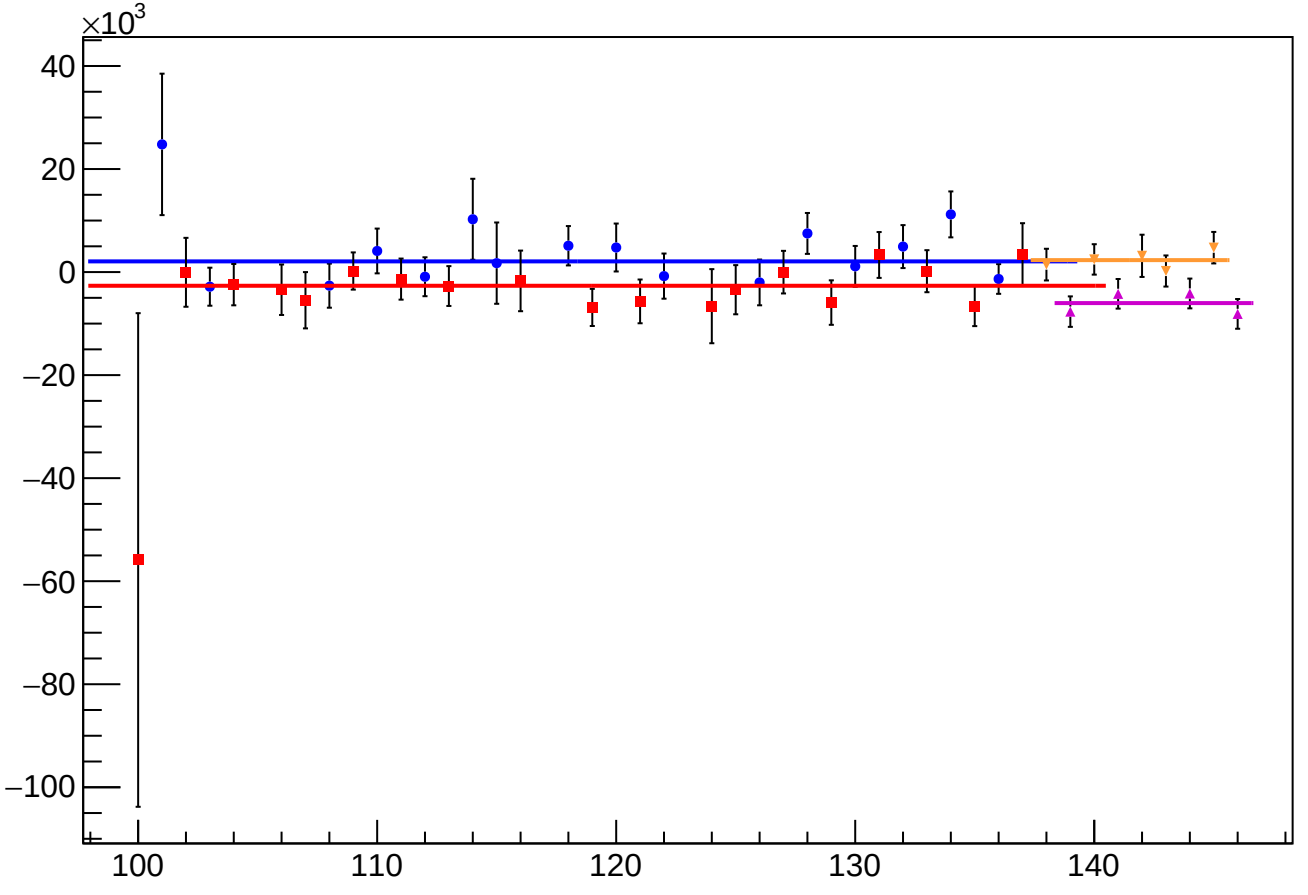
Left In: 947.645+/-0.369 χ^2/NDF:385033.4/3

+ sign 662.608+/-0.154 χ^2/NDF: 3048562.1/20

All: 634.457+/-0.104 χ^2/NDF: 5571232.3/43

- sign 610.817+/-0.141 χ^2/NDF: 2461156.2/22

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2319.627+/-1419.072 χ^2/NDF:1.2/4

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

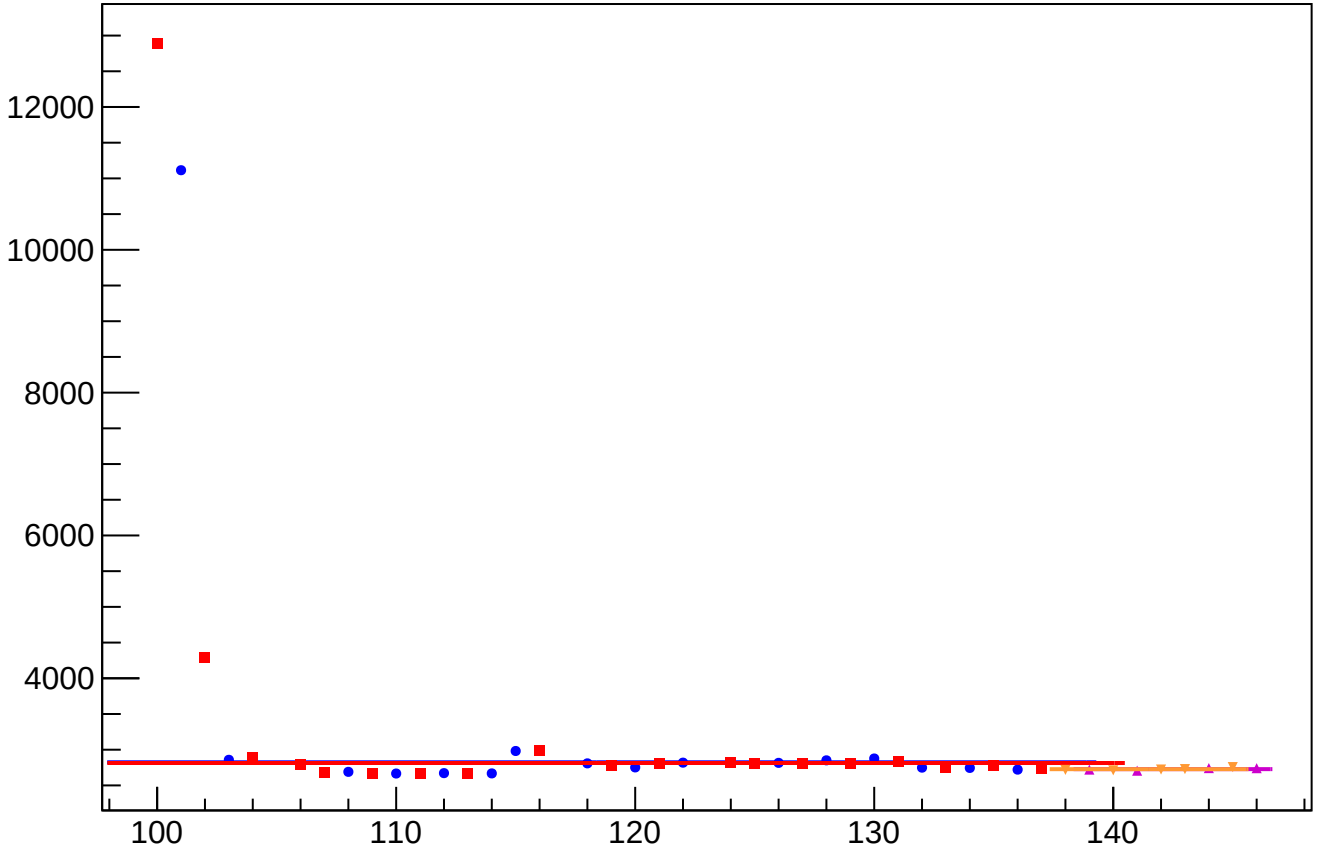
Left In: -6019.407+/-1451.078 χ^2/NDF:1.6/3

+ sign 2164.278+/-857.994 χ^2/NDF: 19.1/20

All: -850.036+/-604.057 χ^2/NDF: 58.7/43

- sign -3812.527+/-850.586 χ^2/NDF: 15.1/22

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2727.292+/-1.003 χ^2/NDF:265.6/4

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

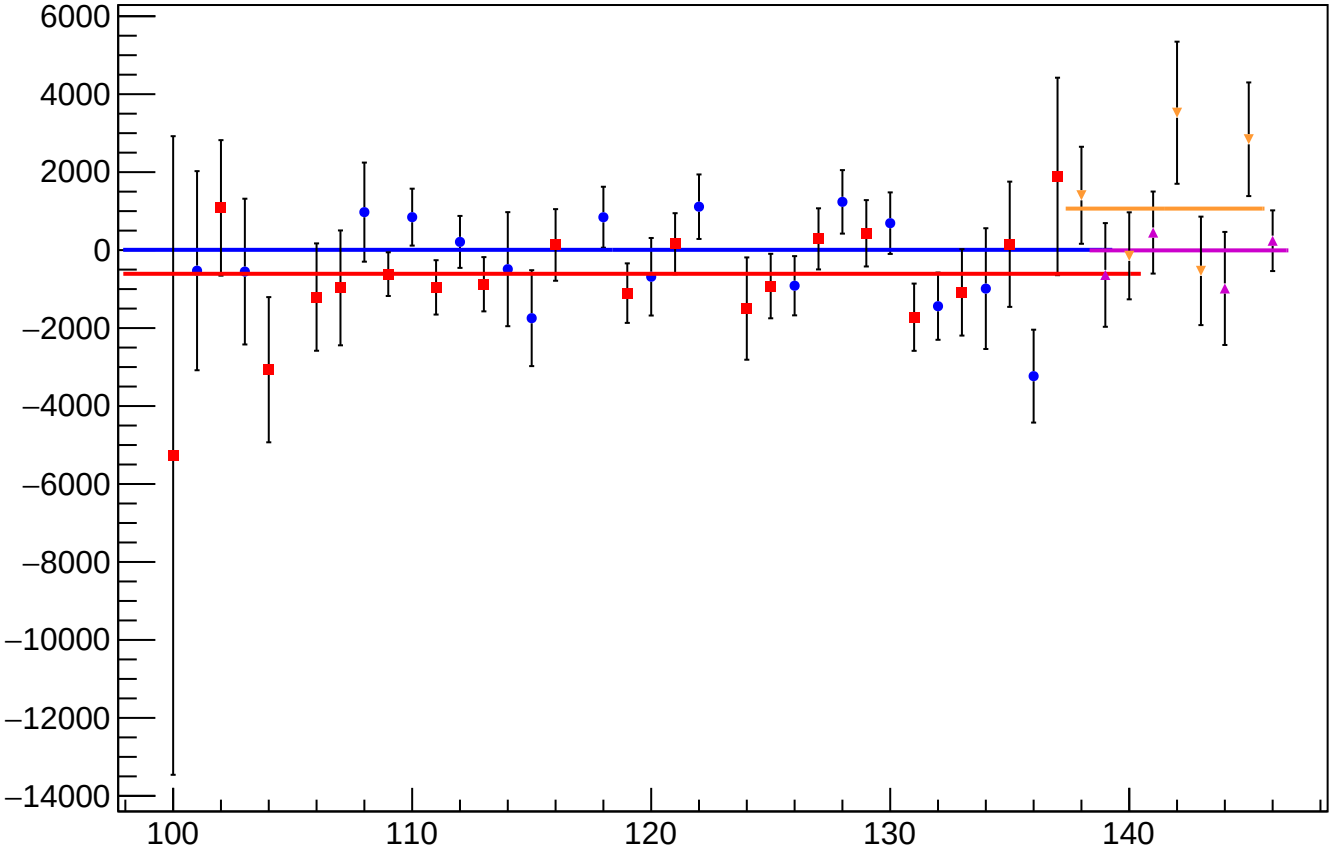
Left In: 2727.907+/-1.026 χ^2/NDF:217.4/3

+ sign 2788.297+/-0.607 χ^2/NDF: 750007.7/20

All: 2786.282+/-0.427 χ^2/NDF: 955360.9/43

- sign 2784.301+/-0.601 χ^2/NDF: 205331.3/22

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: 1064.801+/-604.450 χ^2/NDF:5.9/4

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

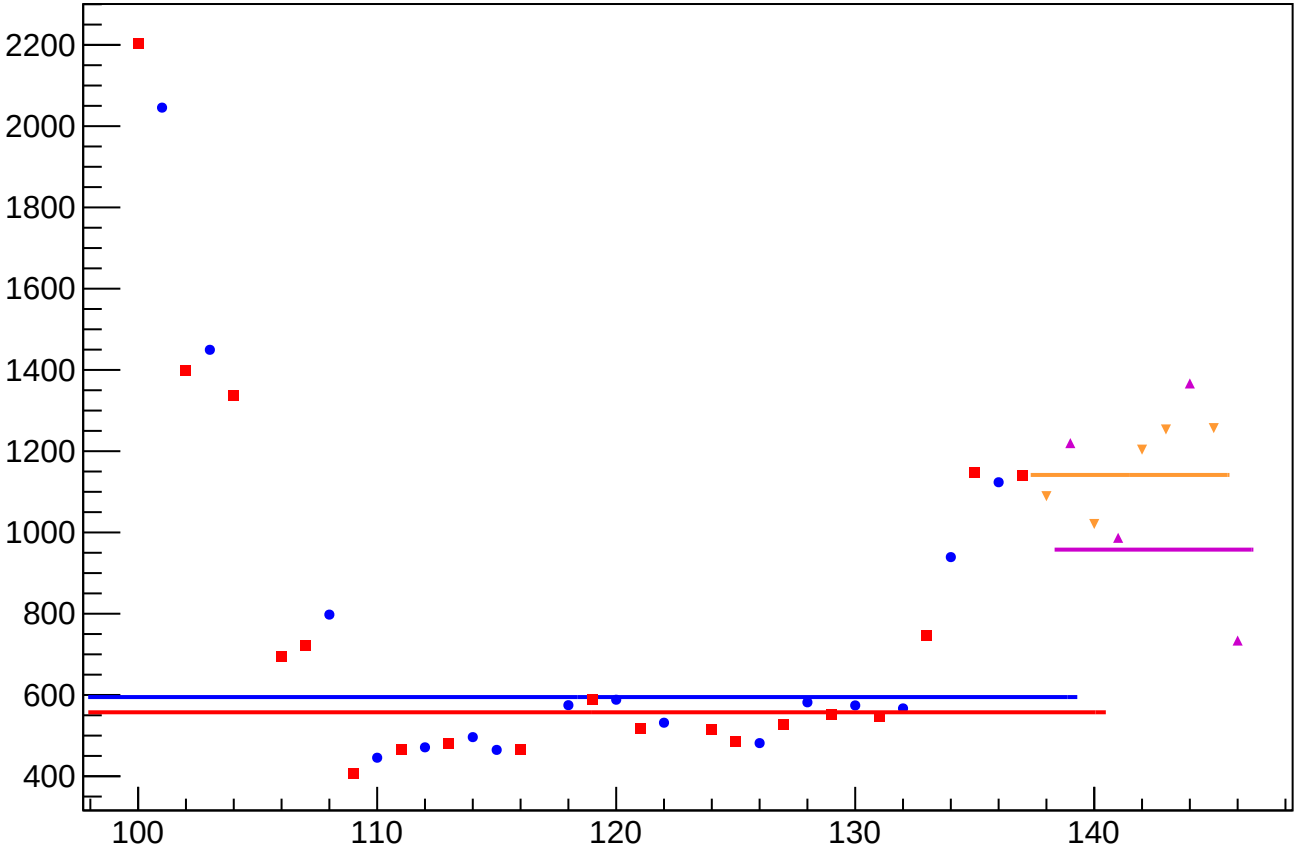
Left In: -6.778+/-527.554 χ^2/NDF:1.0/3

+ sign 148.464+/-221.013 χ^2/NDF: 31.3/20

All: -218.139+/-148.604 χ^2/NDF: 50.6/43

- sign -520.631+/-200.760 χ^2/NDF: 14.2/22

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 1141.558+/-0.427 χ^2/NDF:54711.8/4

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

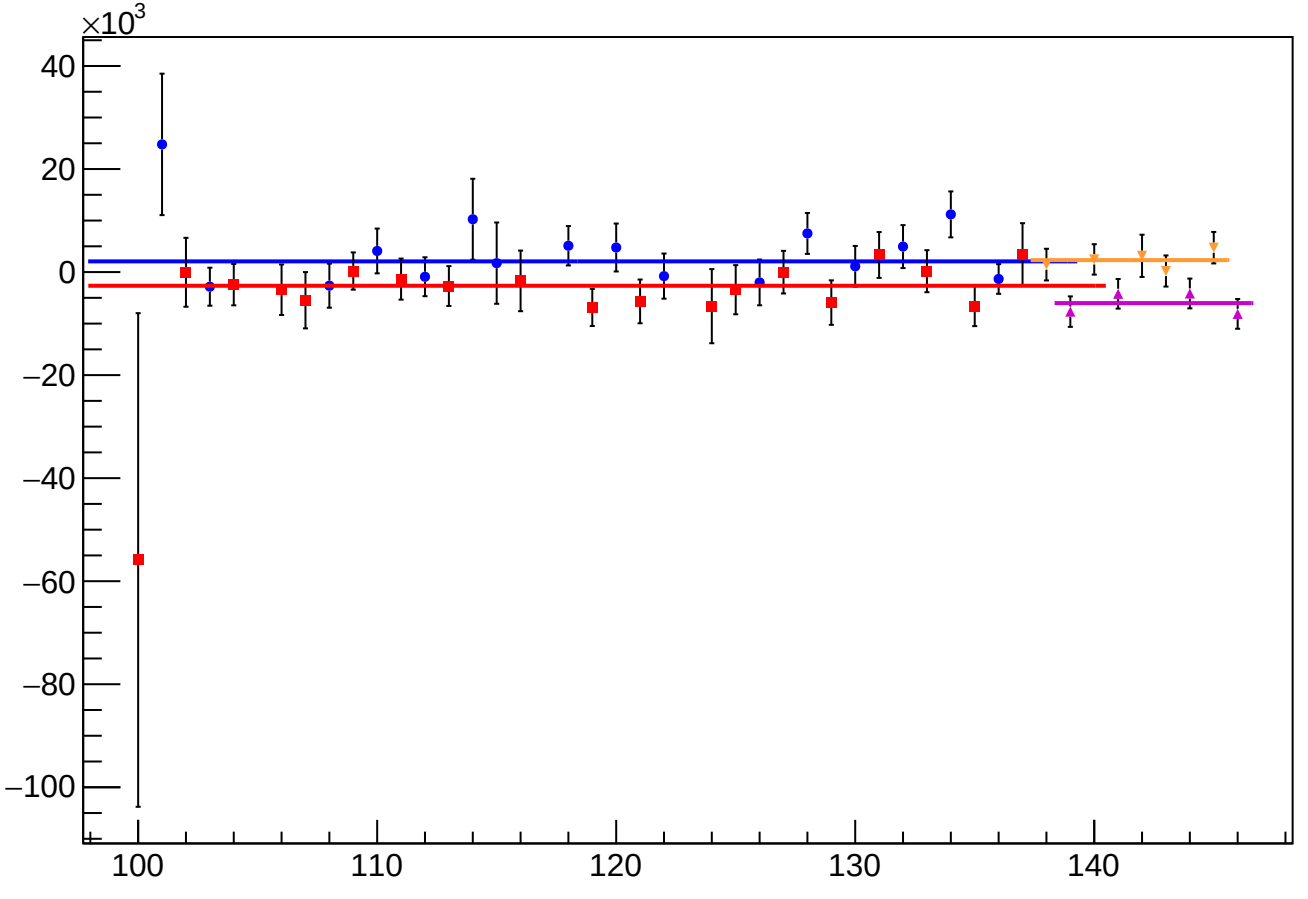
Left In: 957.738+/-0.373 χ^2/NDF:403529.9/3

+ sign 667.948+/-0.156 χ^2/NDF: 3324721.7/20

All: 639.142+/-0.105 χ^2/NDF: 6406523.6/43

- sign 615.373+/-0.142 χ^2/NDF: 3019791.0/22

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2319.630+/-1419.072 χ^2/NDF:1.2/4

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

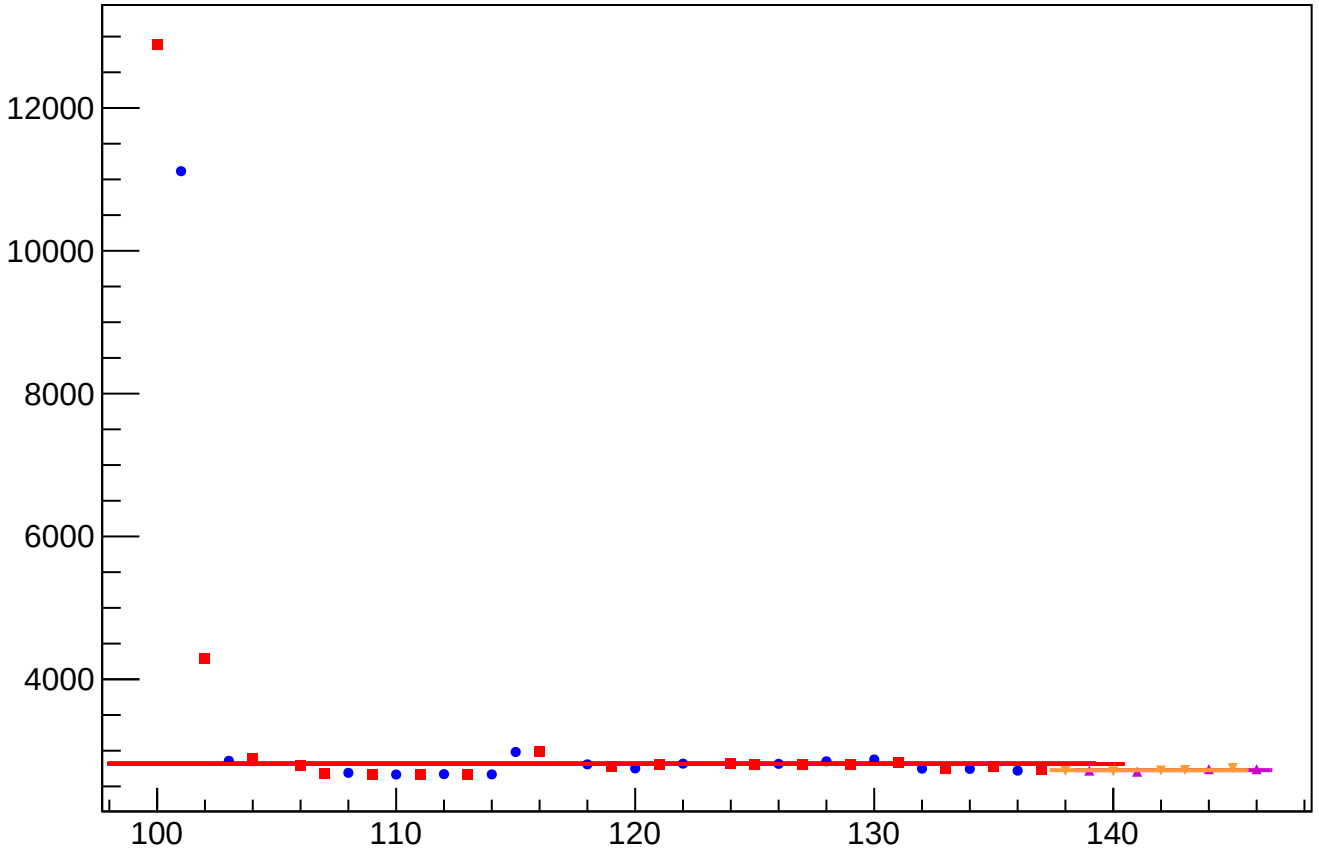
Left In: -6019.407+/-1451.078 χ^2/NDF:1.6/3

+ sign 2164.278+/-857.994 χ^2/NDF: 19.1/20

All: -850.035+/-604.057 χ^2/NDF: 58.7/43

- sign -3812.526+/-850.586 χ^2/NDF: 15.1/22

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2727.292+/-1.003 χ^2/NDF:265.6/4

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

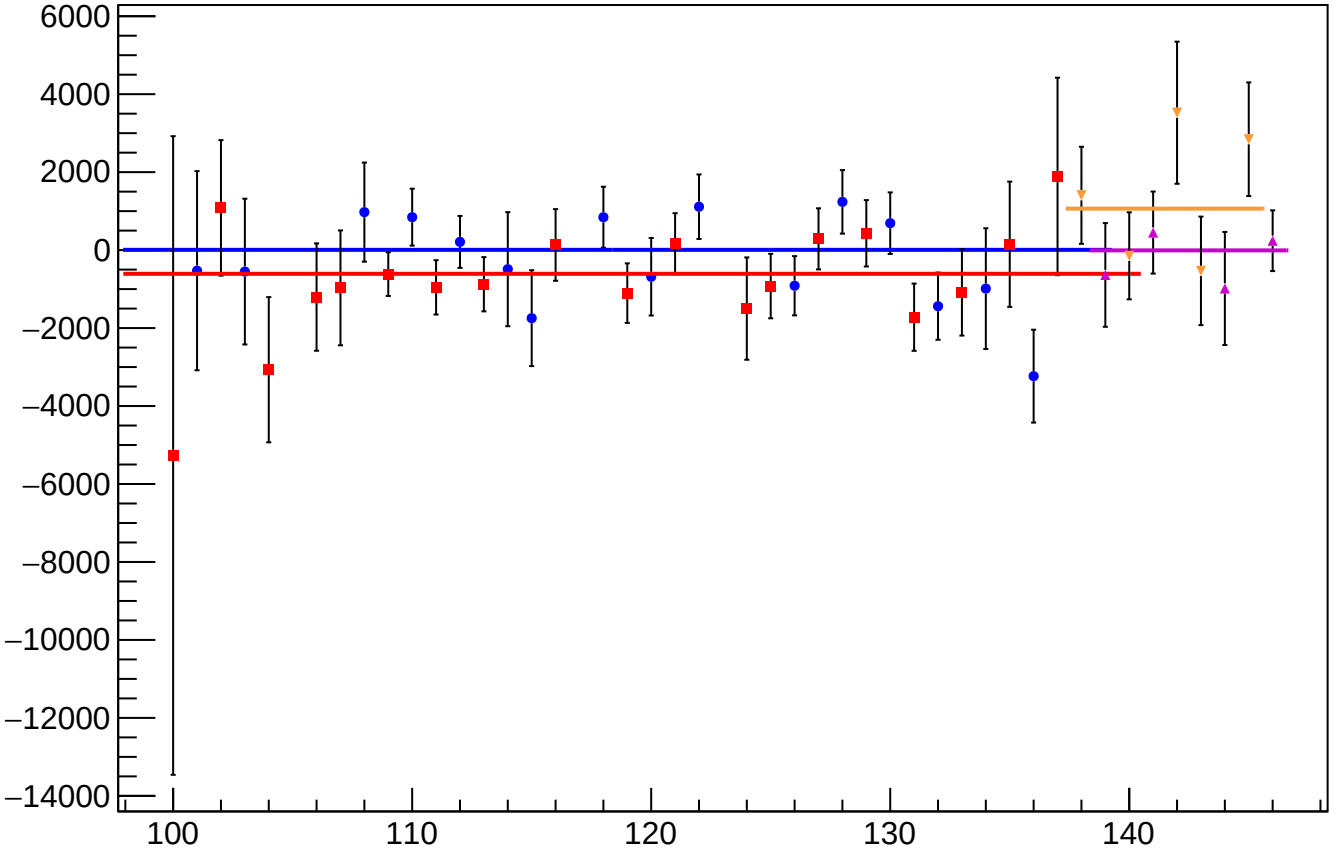
Left In: 2727.907+/-1.026 χ^2/NDF:217.4/3

+ sign 2788.297+/-0.607 χ^2/NDF: 750007.6/20

All: 2786.282+/-0.427 χ^2/NDF: 955360.6/43

- sign 2784.301+/-0.601 χ^2/NDF: 205331.1/22

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: 1064.802+/-604.451 χ^2/NDF:5.9/4

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

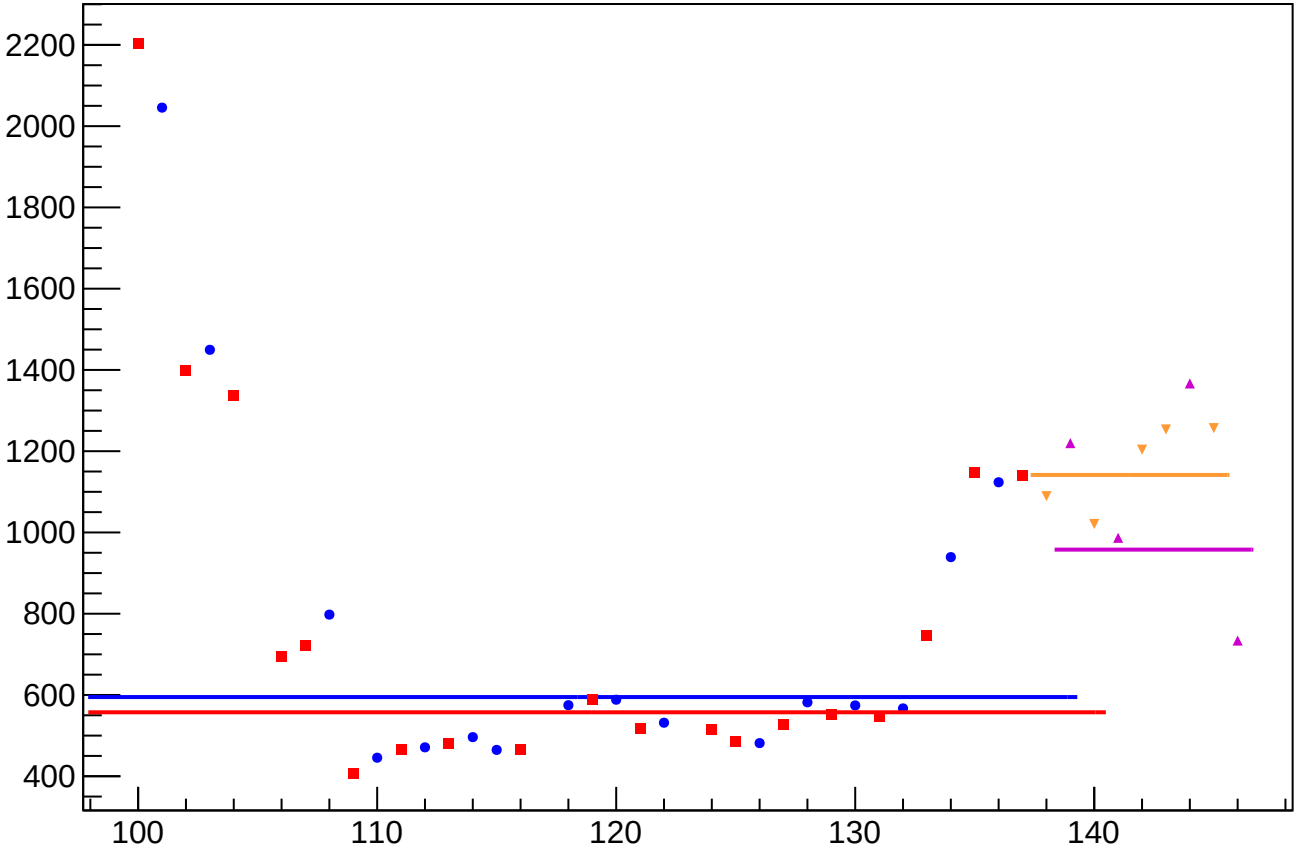
Left In: -6.778+/-527.555 χ^2/NDF:1.0/3

+ sign 148.464+/-221.013 χ^2/NDF: 31.3/20

All: -218.139+/-148.604 χ^2/NDF: 50.6/43

- sign -520.631+/-200.760 χ^2/NDF: 14.2/22

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 1141.559+/-0.427 χ^2/NDF:54712.8/4

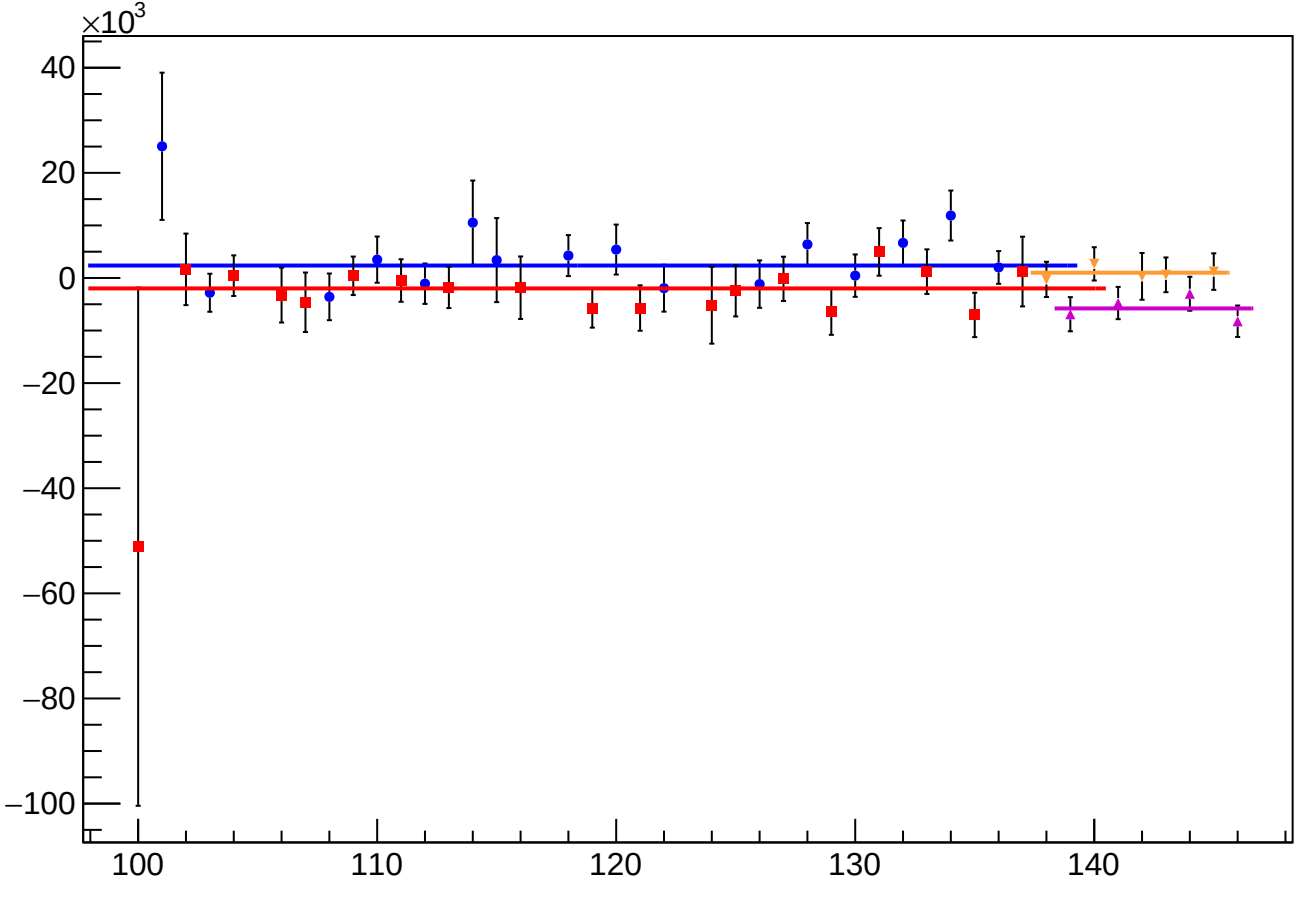
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 957.739+/-0.373 χ^2/NDF:403529.7/3

+ sign 667.949+/-0.156 χ^2/NDF: 3324716.4/20

All: 639.142+/-0.105 χ^2/NDF: 6406517.5/43

- sign 615.373+/-0.142 χ^2/NDF: 3019789.6/22



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1004.423+/-1554.562 χ^2/NDF:0.5/4

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

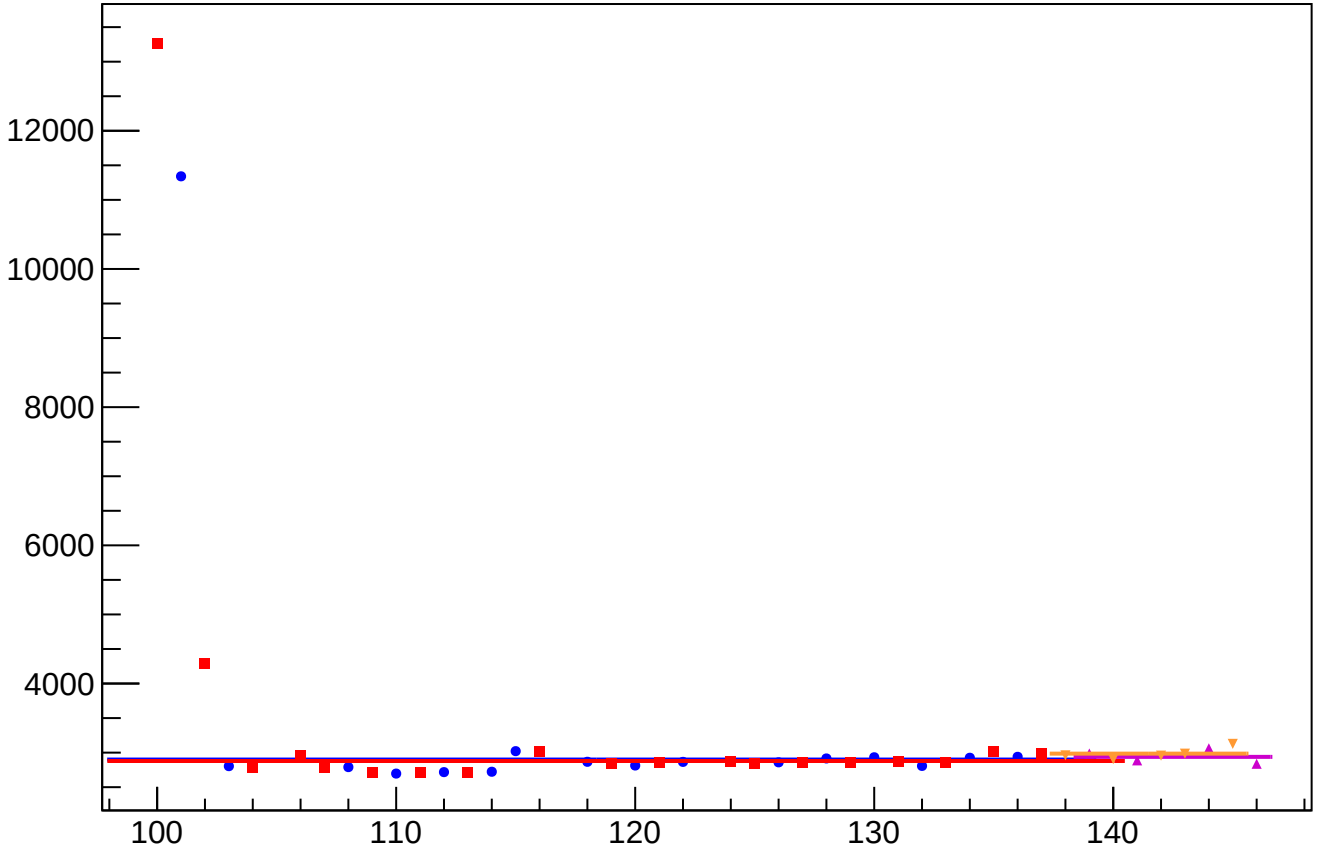
Left In: -5794.825+/-1564.233 χ^2/NDF:1.6/3

+ sign 1909.092+/-901.304 χ^2/NDF: 17.8/20

All: -693.415+/-631.884 χ^2/NDF: 50.2/43

- sign -3209.012+/-886.127 χ^2/NDF: 16.0/22

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2985.382+/-1.099 χ^2/NDF:4785.7/4

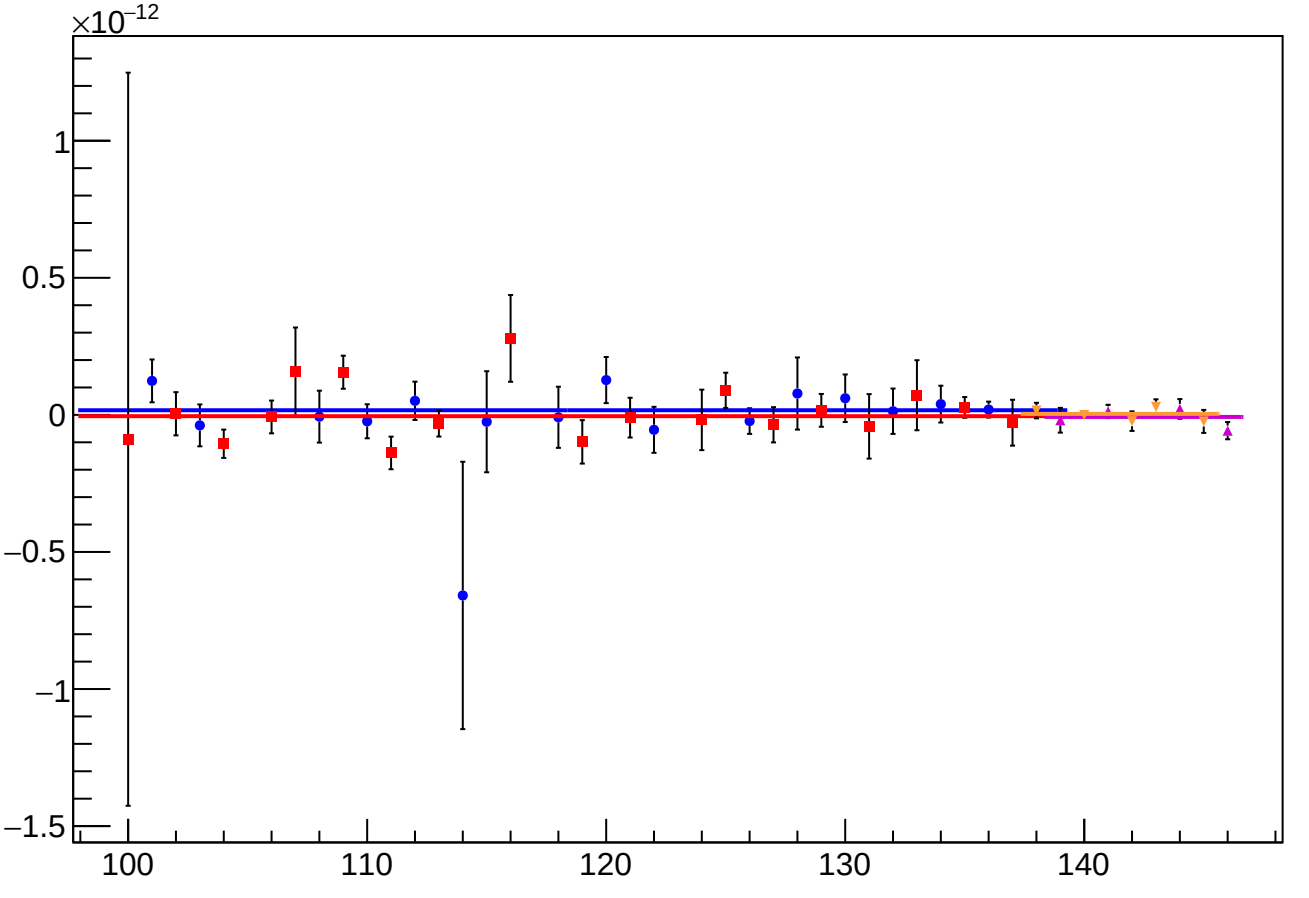
Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2938.671+/-1.106 χ^2/NDF:6161.6/3

+ sign 2928.586+/-0.637 χ^2/NDF: 750625.2/20

All: 2913.094+/-0.447 χ^2/NDF: 953210.5/43

- sign 2898.120+/-0.627 χ^2/NDF: 201423.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/4

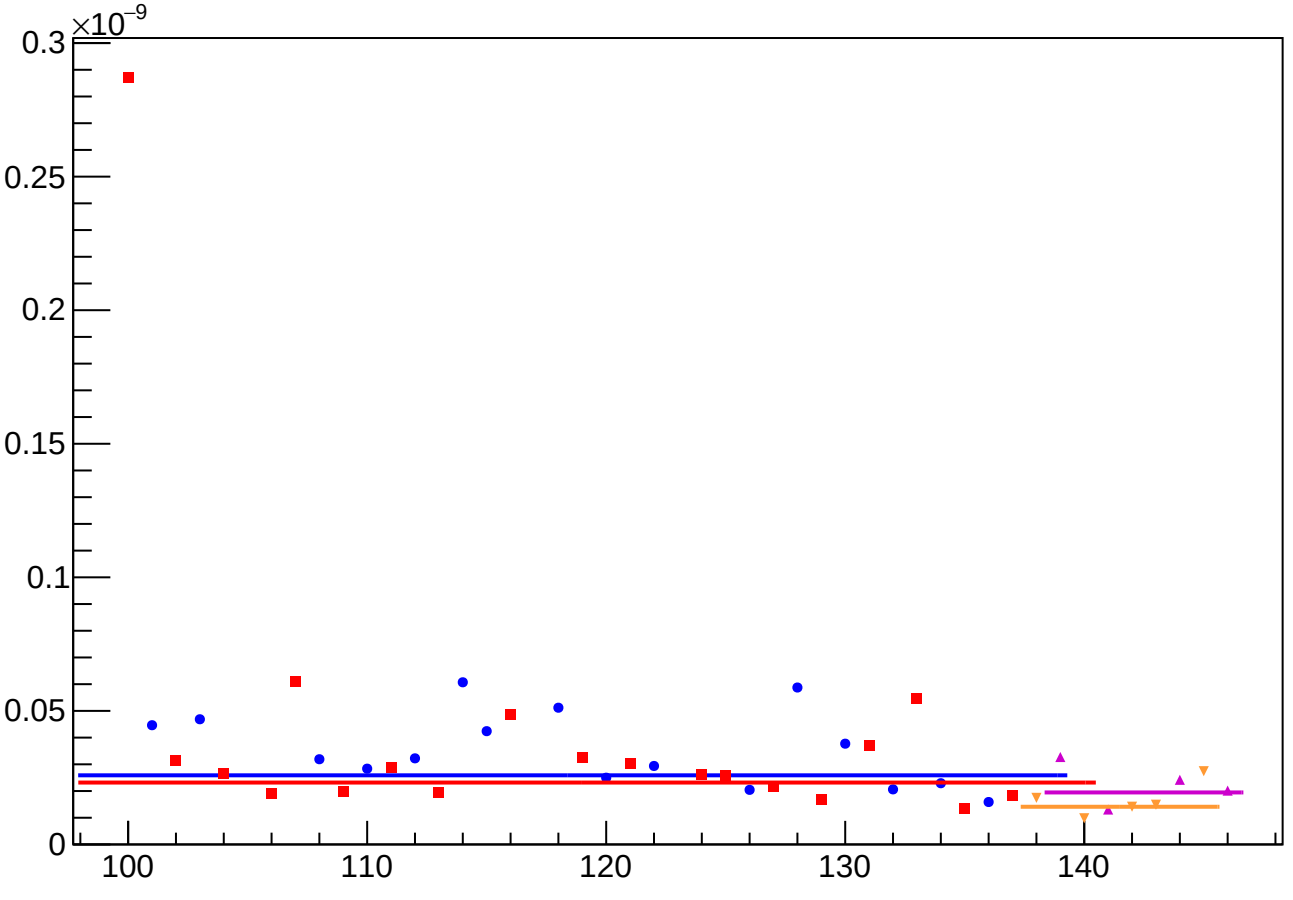
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 11.4/20

All: 0.000+/-0.000 χ^2/NDF: 42.0/43

- sign -0.000+/-0.000 χ^2/NDF: 29.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:339236.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

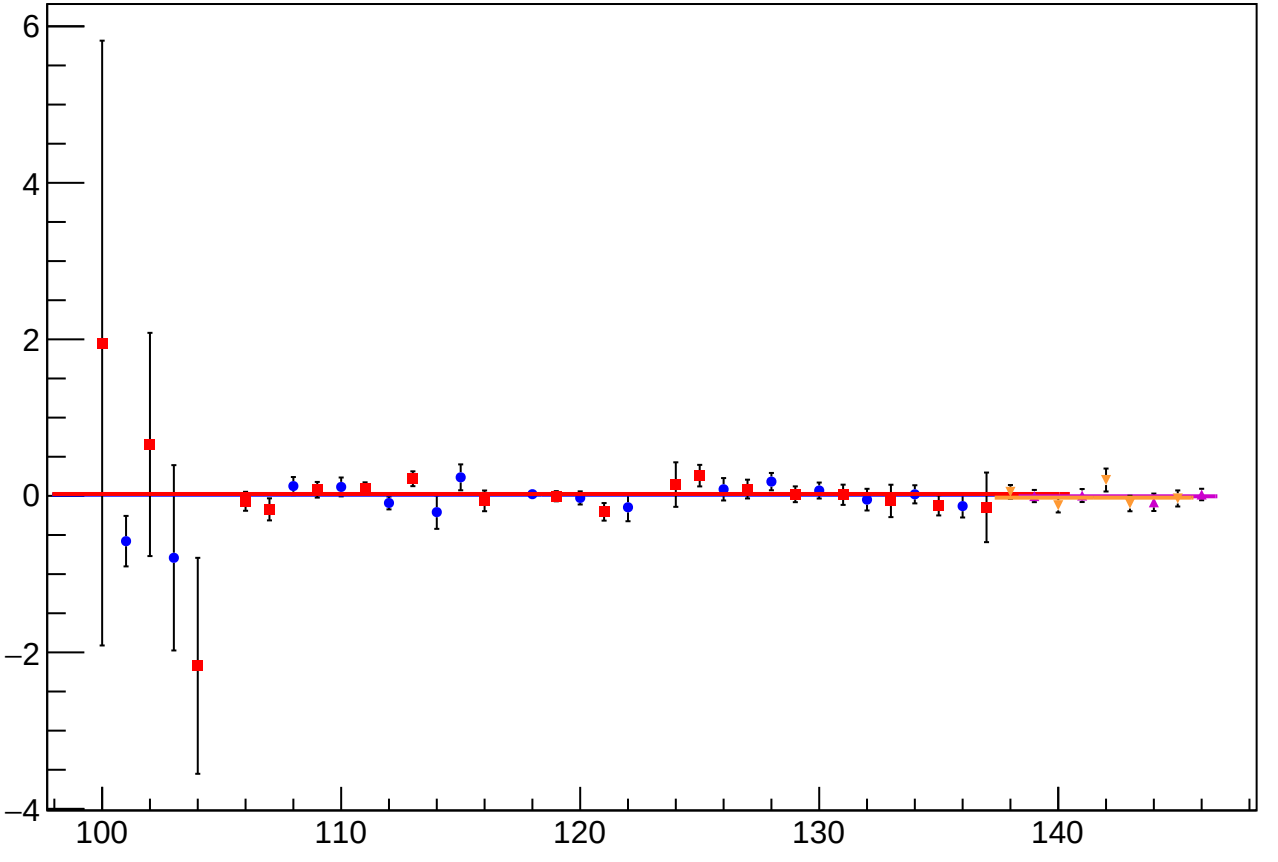
Left In: 0.000+/-0.000 χ^2/NDF:347574.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 1848662.2/20

All: 0.000+/-0.000 χ^2/NDF: 3035589.4/43

- sign 0.000+/-0.000 χ^2/NDF: 1091602.8/22

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.023+/-0.045 χ^2/NDF:4.8/4

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

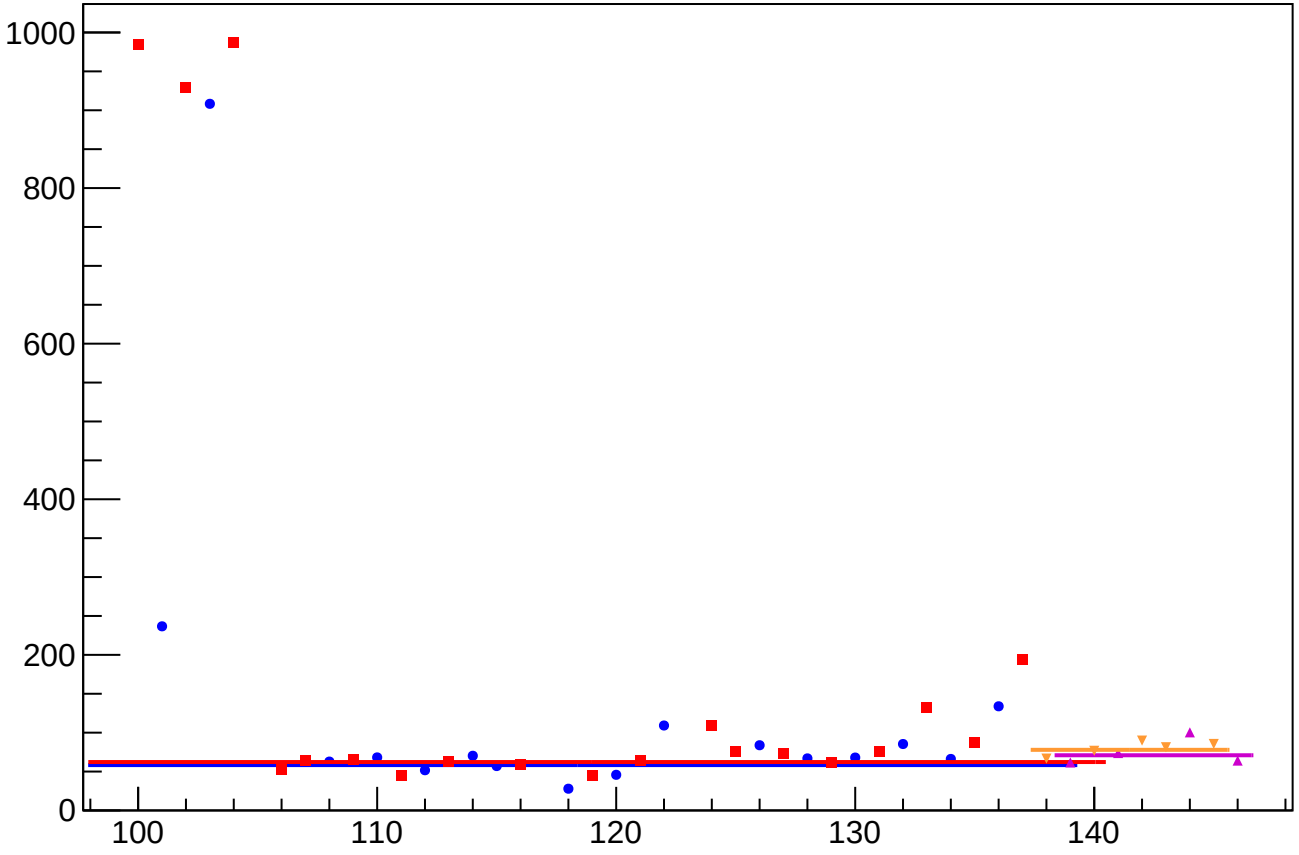
Left In: -0.005+/-0.042 χ^2/NDF:0.6/3

+ sign 0.005+/-0.024 χ^2/NDF: 20.3/20

All: 0.010+/-0.017 χ^2/NDF: 42.1/43

- sign 0.015+/-0.023 χ^2/NDF: 21.7/22

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 77.922+/-0.032 χ^2/NDF:59585.6/4

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

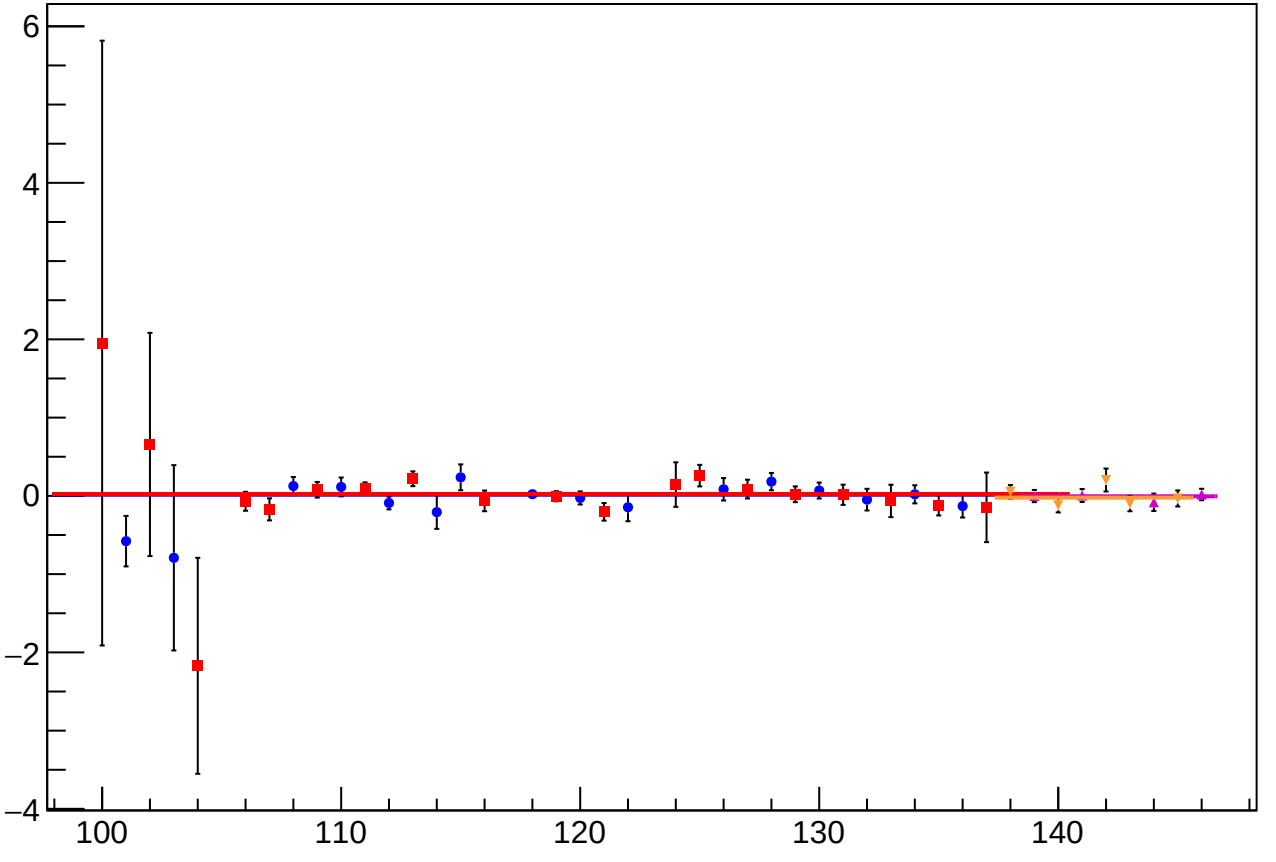
Left In: 70.948+/-0.029 χ^2/NDF:187956.9/3

+ sign 63.720+/-0.017 χ^2/NDF: 3593756.6/20

All: 64.344+/-0.012 χ^2/NDF: 6471605.9/43

- sign 64.946+/-0.016 χ^2/NDF: 2875119.1/22

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.023+/-0.045 χ^2/NDF:4.8/4

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

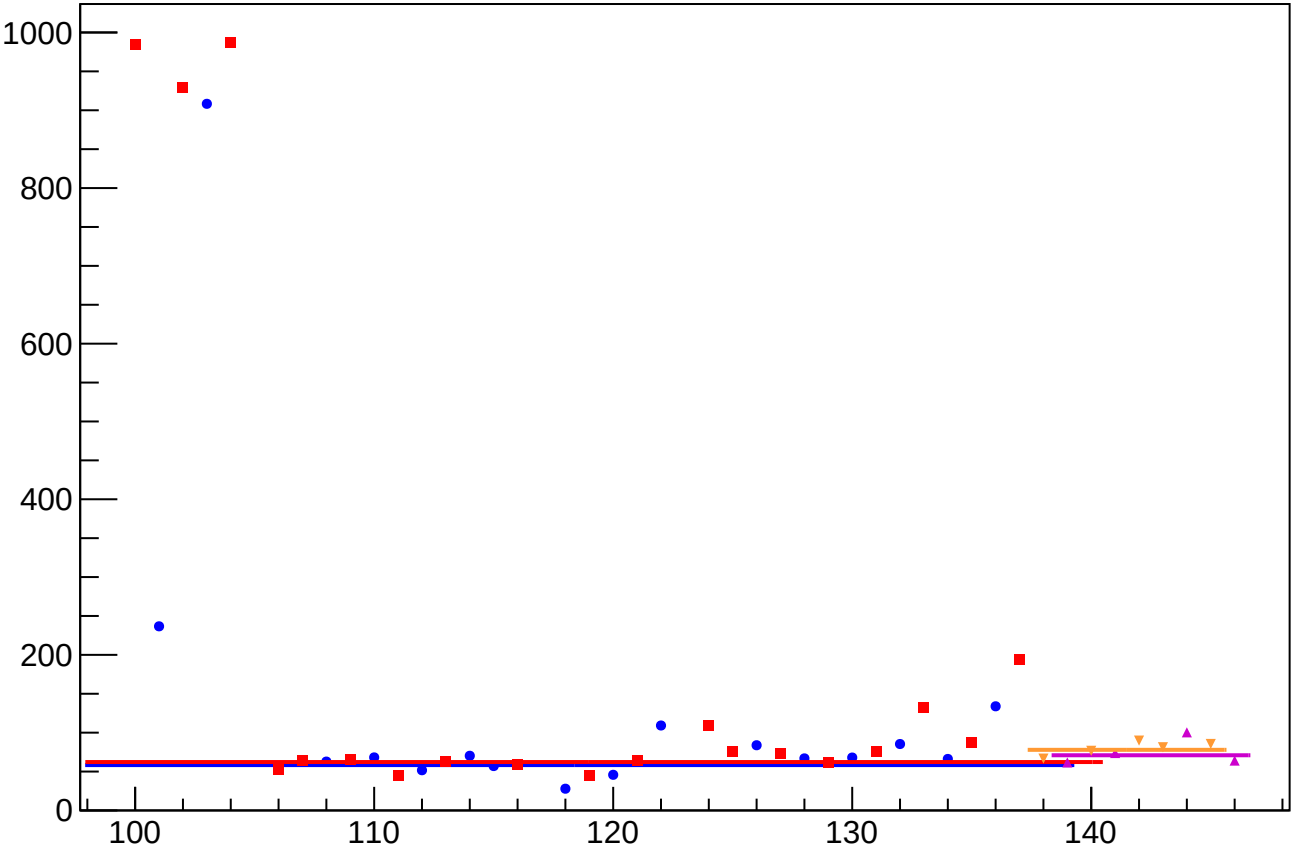
Left In: -0.005+/-0.042 χ^2/NDF:0.6/3

+ sign 0.005+/-0.024 χ^2/NDF: 20.3/20

All: 0.010+/-0.017 χ^2/NDF: 42.1/43

- sign 0.015+/-0.023 χ^2/NDF: 21.7/22

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 77.922+/-0.032 χ^2/NDF:59585.6/4

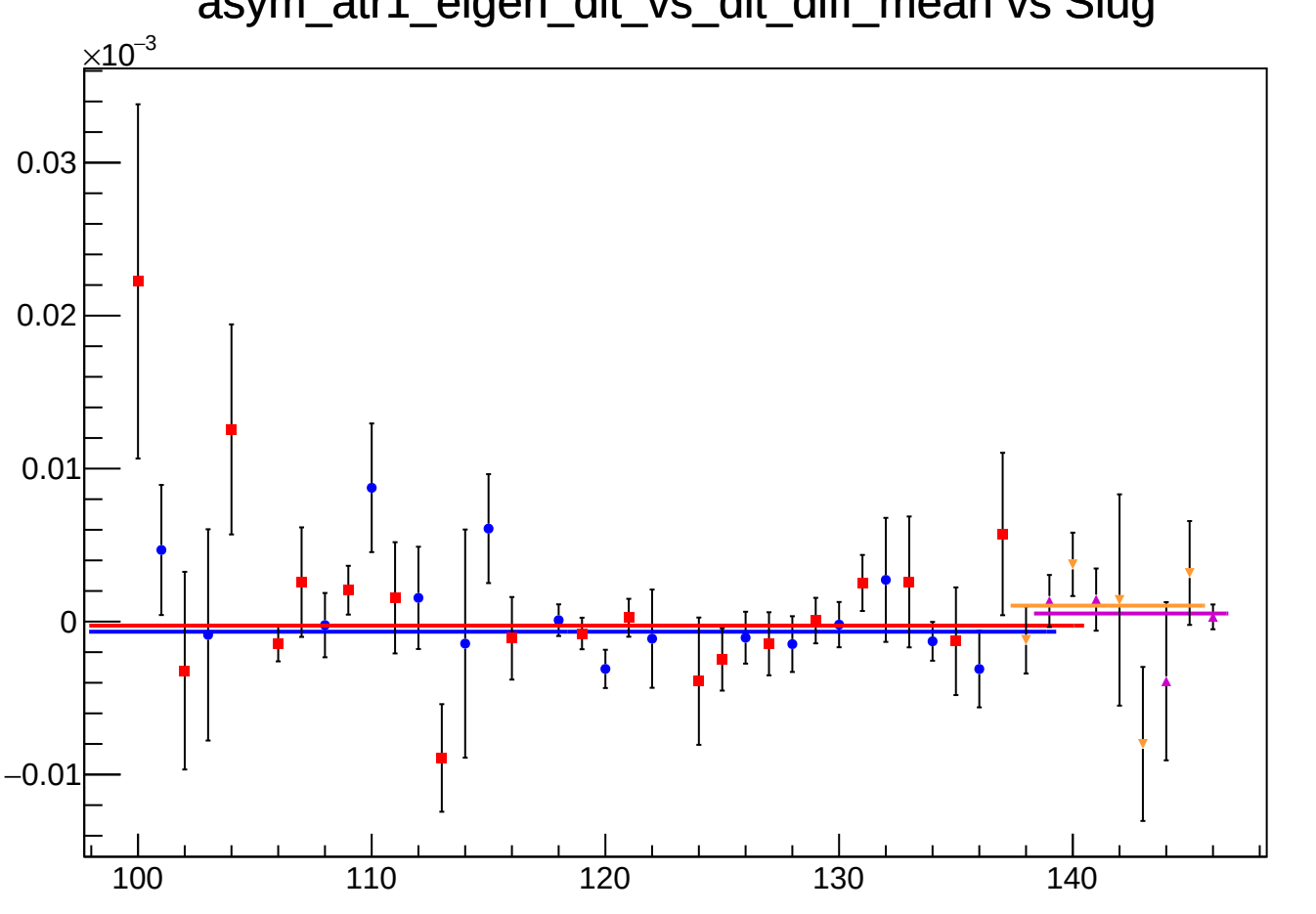
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 70.948+/-0.029 χ^2/NDF:187956.9/3

+ sign 63.720+/-0.017 χ^2/NDF: 3593756.6/20

All: 64.344+/-0.012 χ^2/NDF: 6471605.9/43

- sign 64.946+/-0.016 χ^2/NDF: 2875119.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

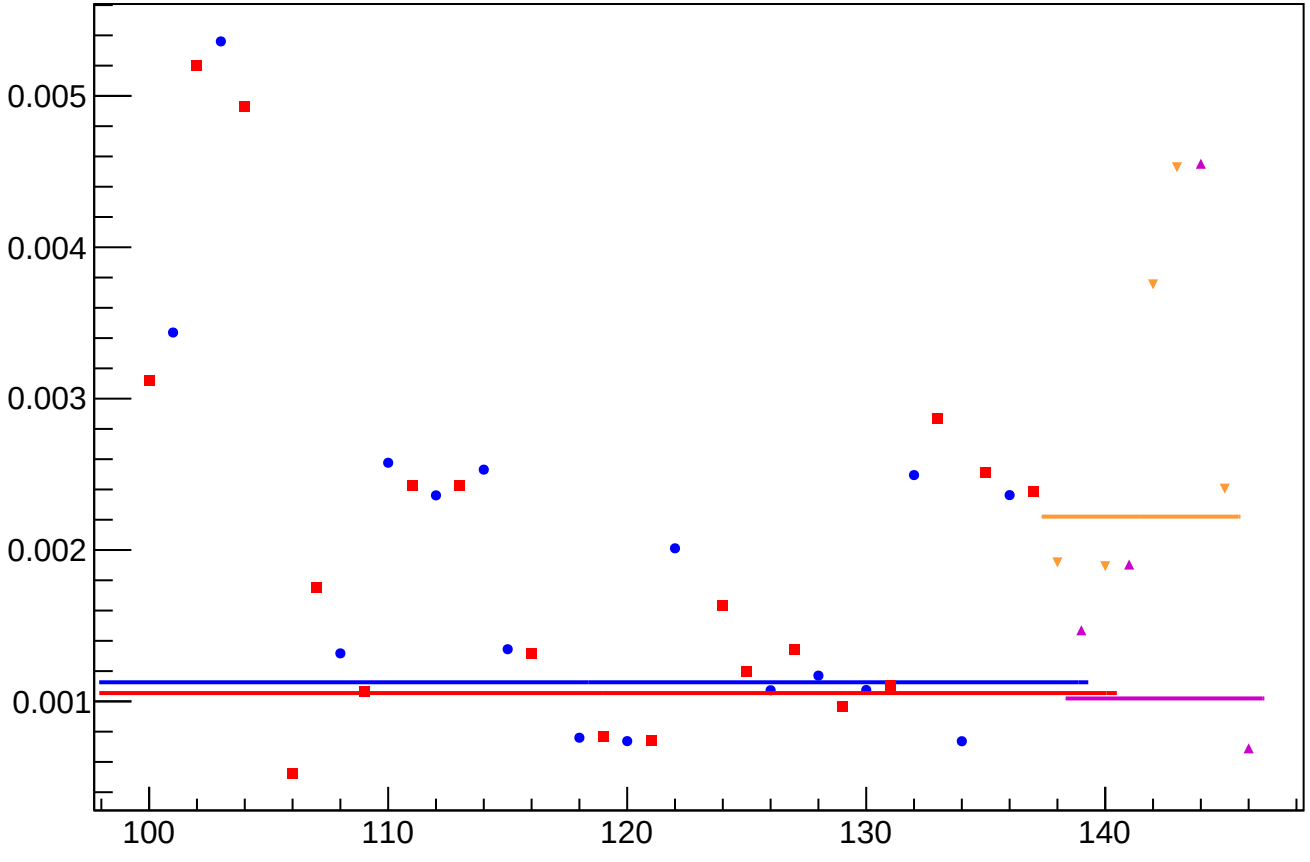
Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/20

All: -0.000+/-0.000 χ^2/NDF: 52.3/43

- sign -0.000+/-0.000 χ^2/NDF: 26.7/22

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:613086.1/4

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

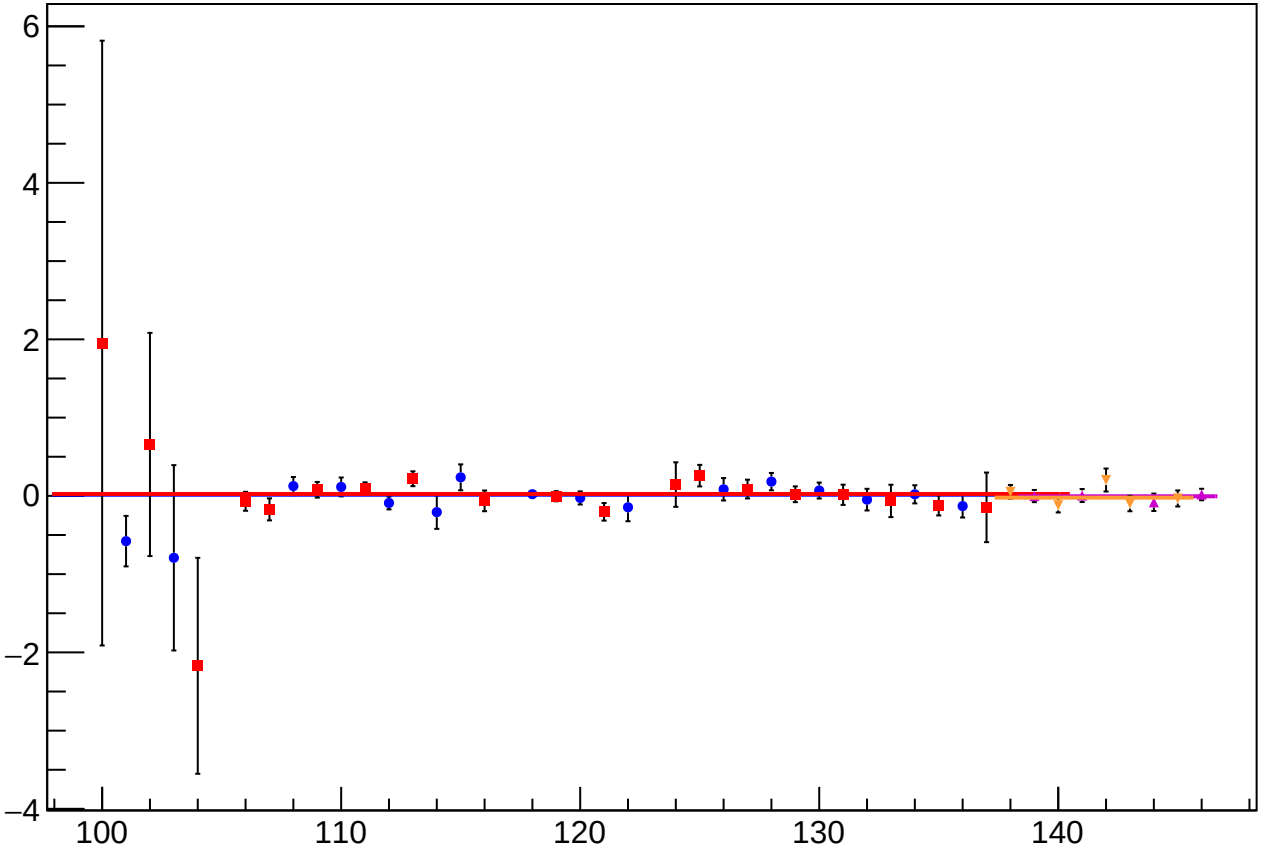
Left In: 0.001+/-0.000 χ^2/NDF:1782665.1/3

+ sign 0.001+/-0.000 χ^2/NDF: 5300135.1/20

All: 0.001+/-0.000 χ^2/NDF: 11200228.6/43

- sign 0.001+/-0.000 χ^2/NDF: 5634871.3/22

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.023+/-0.045 χ^2/NDF:4.8/4

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

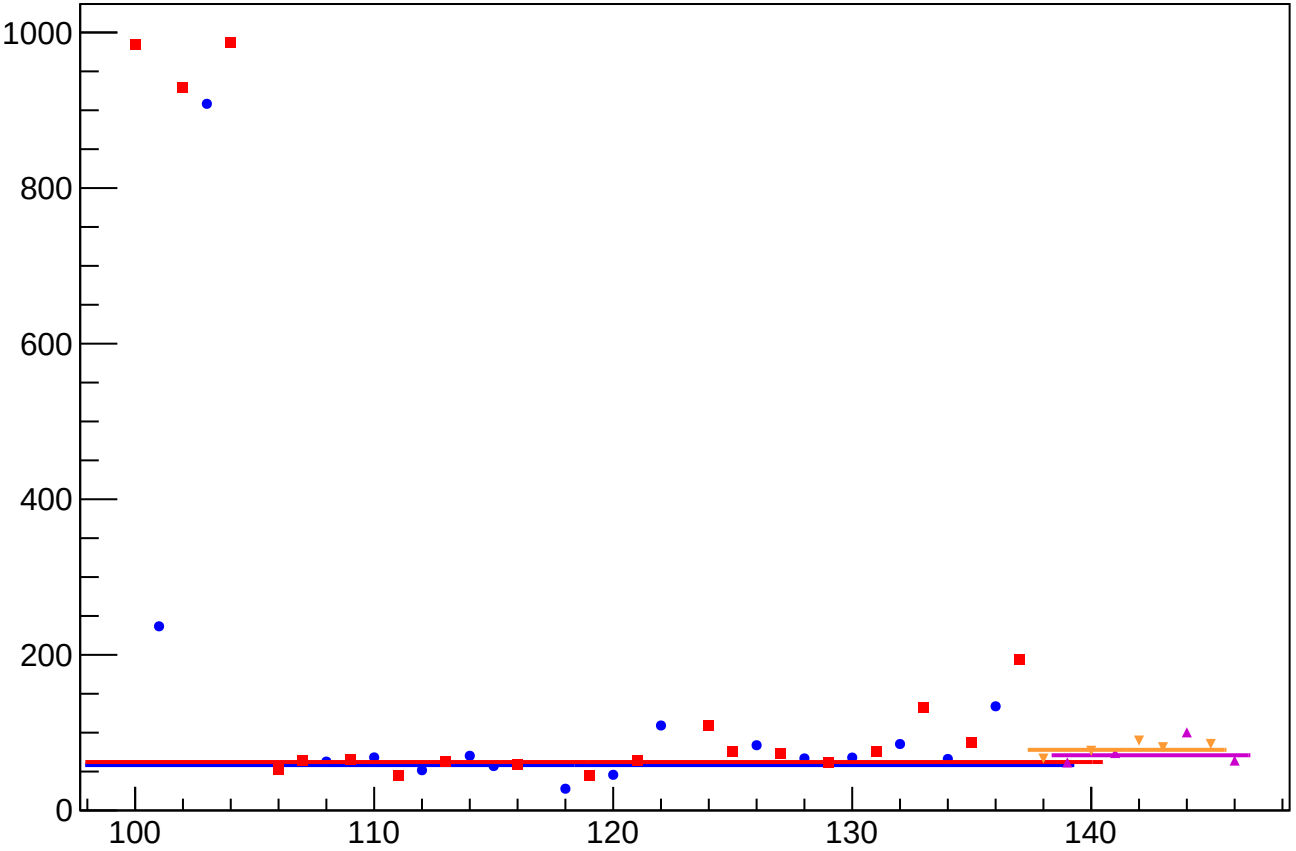
Left In: -0.005+/-0.042 χ^2/NDF:0.6/3

+ sign 0.005+/-0.024 χ^2/NDF: 20.3/20

All: 0.010+/-0.017 χ^2/NDF: 42.1/43

- sign 0.015+/-0.023 χ^2/NDF: 21.7/22

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 77.922+/-0.032 χ^2/NDF:59588.7/4

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

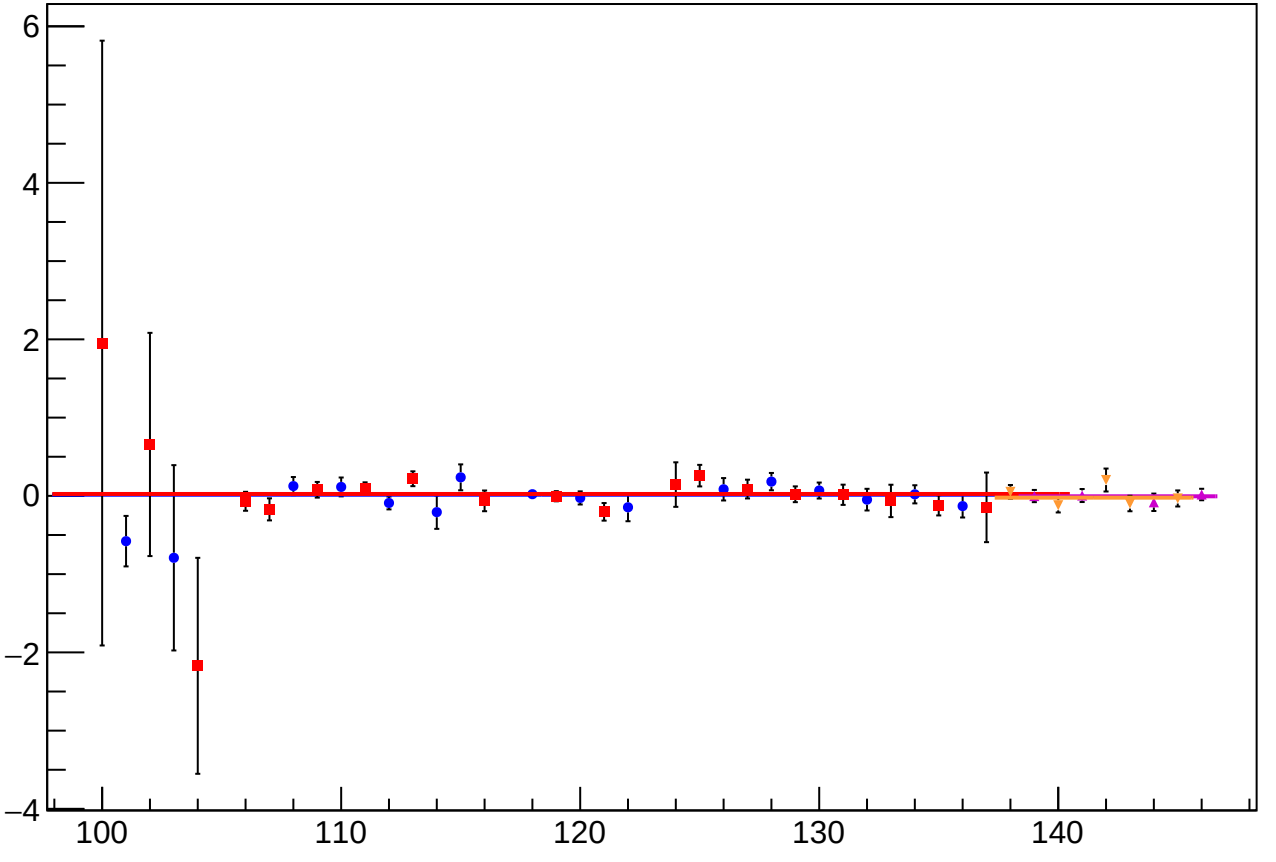
Left In: 70.949+/-0.029 χ^2/NDF:187954.3/3

+ sign 63.719+/-0.017 χ^2/NDF: 3593848.2/20

All: 64.344+/-0.012 χ^2/NDF: 6471701.3/43

- sign 64.946+/-0.016 χ^2/NDF: 2875119.1/22

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.023+/-0.045 χ^2/NDF:4.8/4

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

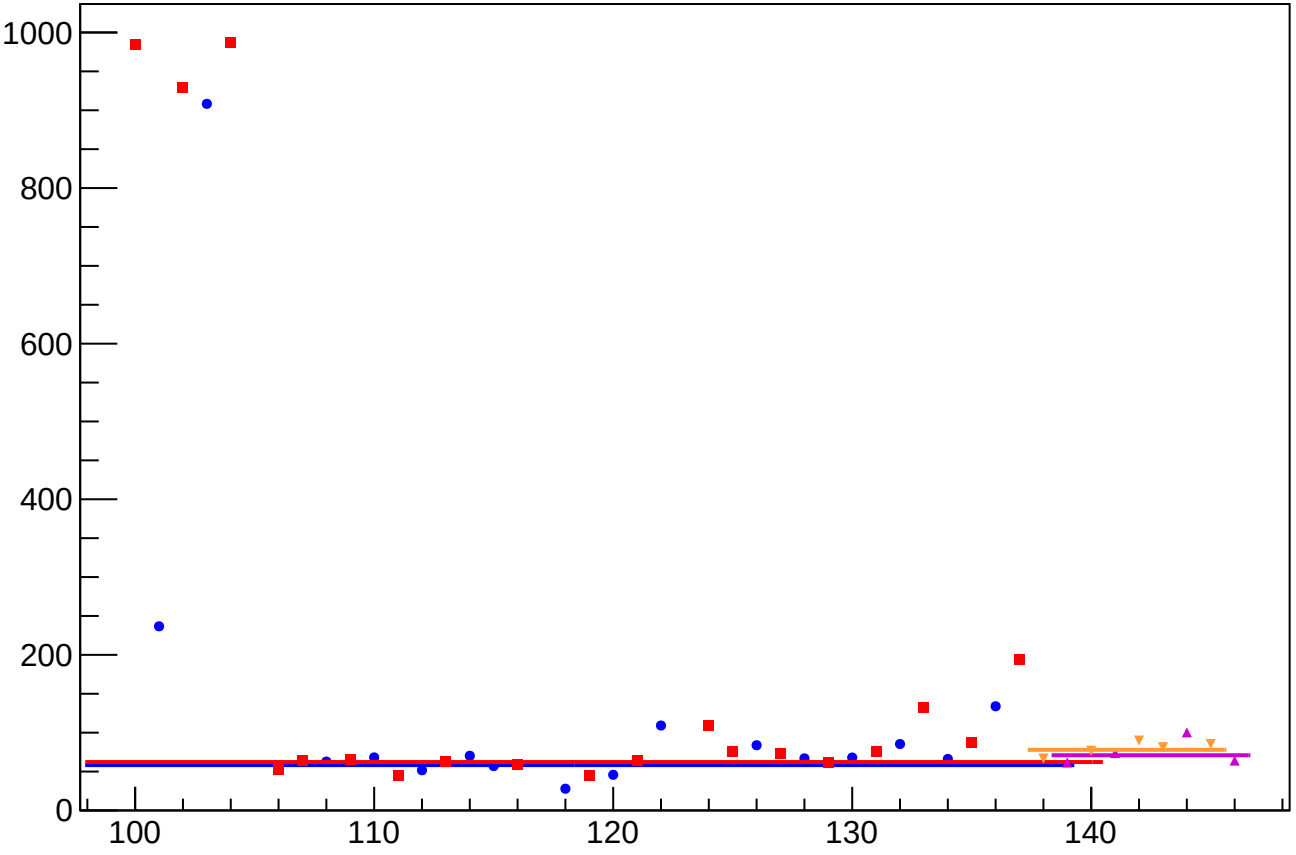
Left In: -0.005+/-0.042 χ^2/NDF:0.6/3

+ sign 0.005+/-0.024 χ^2/NDF: 20.3/20

All: 0.010+/-0.017 χ^2/NDF: 42.1/43

- sign 0.015+/-0.023 χ^2/NDF: 21.7/22

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: 77.922+/-0.032 χ^2/NDF:59588.7/4

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

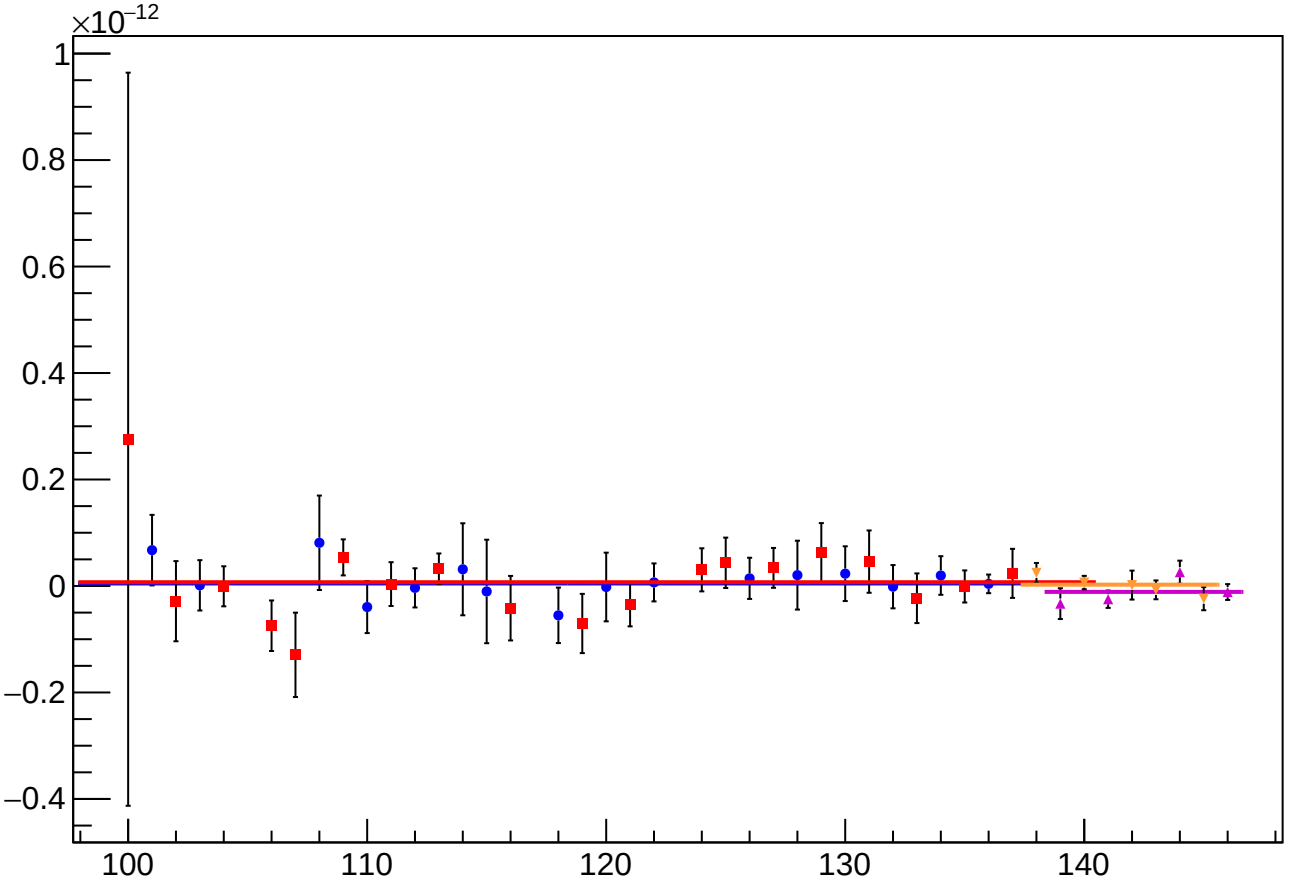
Left In: 70.949+/-0.029 χ^2/NDF:187954.3/3

+ sign 63.719+/-0.017 χ^2/NDF: 3593848.2/20

All: 64.344+/-0.012 χ^2/NDF: 6471701.3/43

- sign 64.946+/-0.016 χ^2/NDF: 2875119.1/22

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:3.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

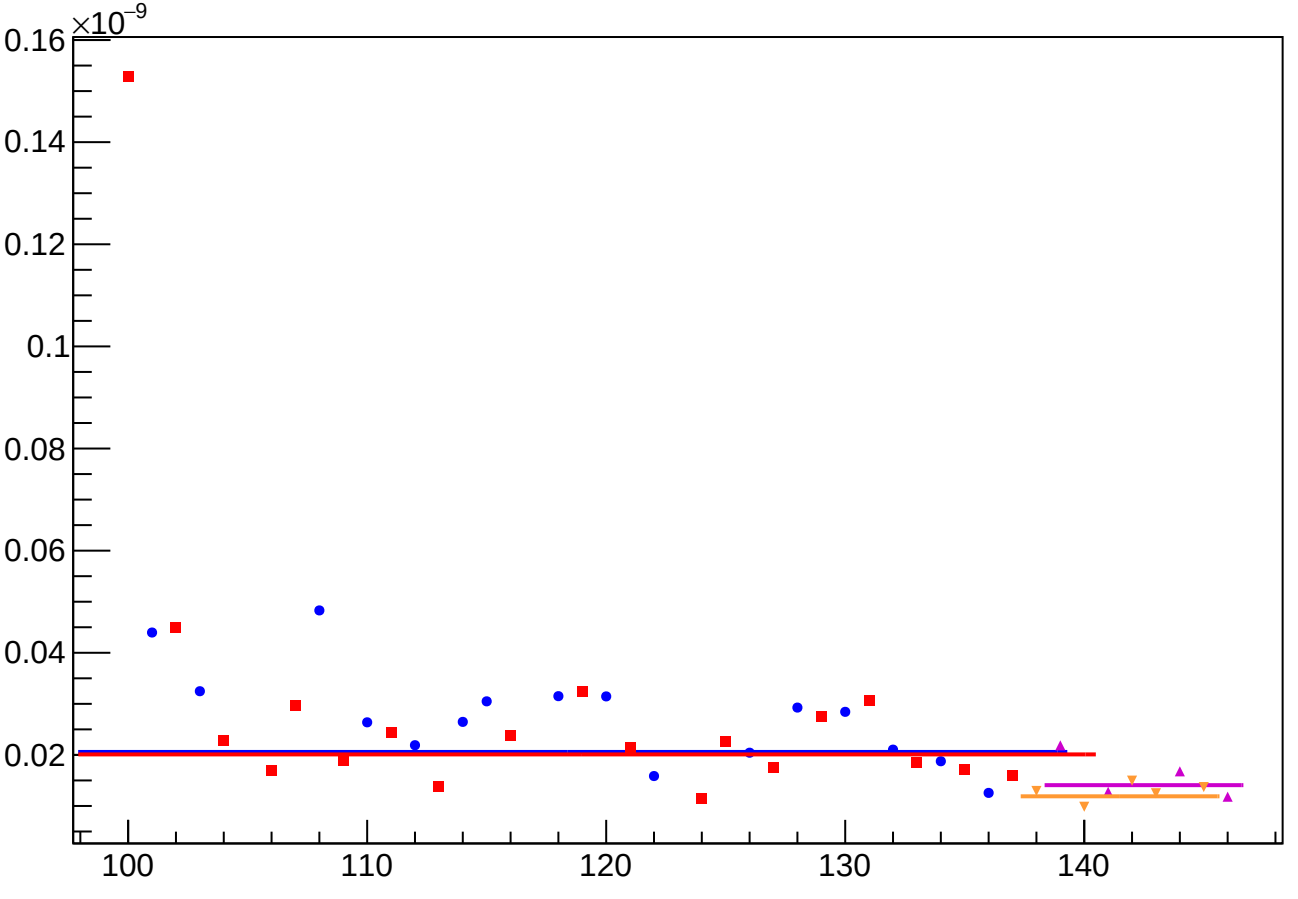
Left In: -0.000+/-0.000 χ^2/NDF:4.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 7.7/20

All: 0.000+/-0.000 χ^2/NDF: 30.2/43

- sign -0.000+/-0.000 χ^2/NDF: 22.1/22

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:100591.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

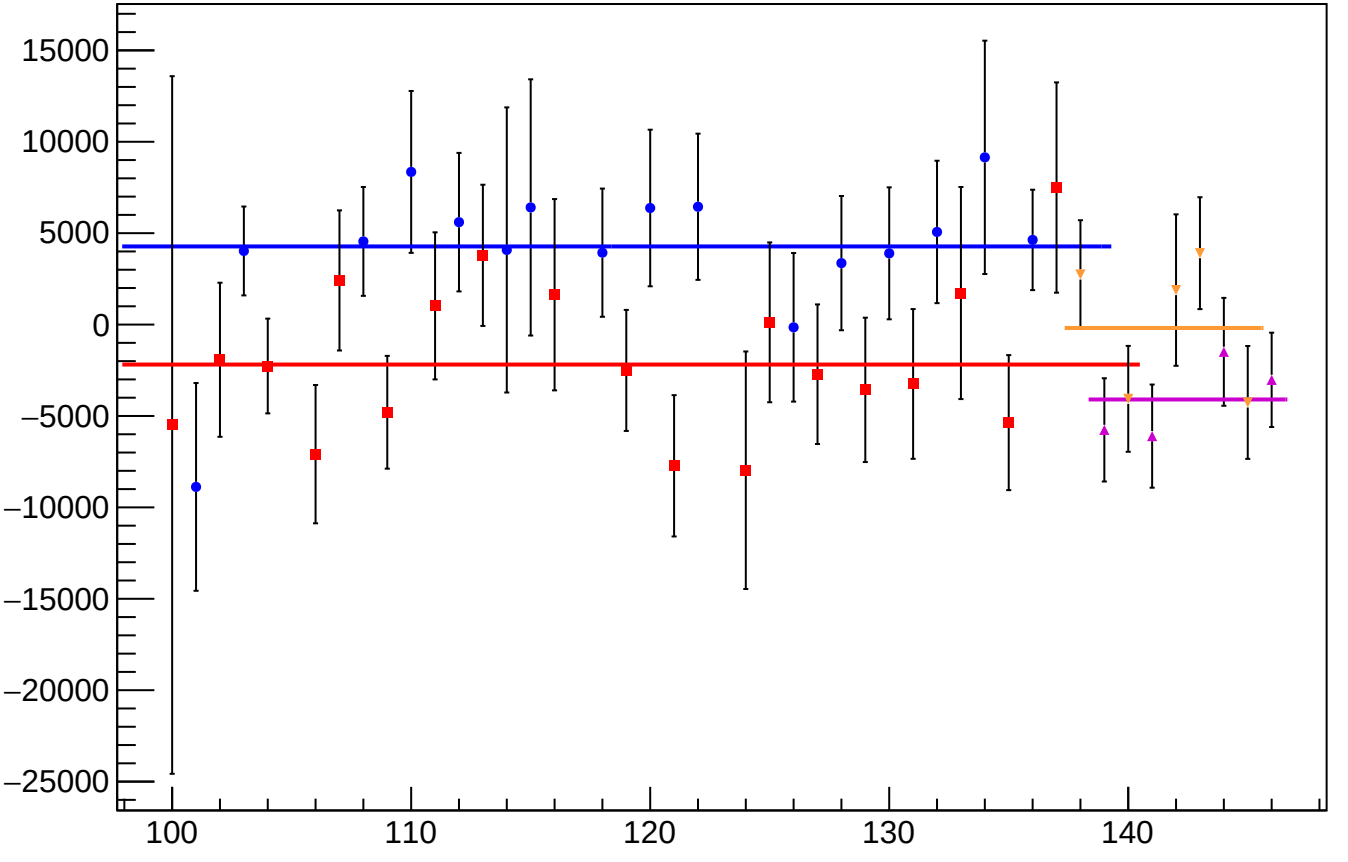
Left In: 0.000+/-0.000 χ^2/NDF:235486.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 2317273.0/20

All: 0.000+/-0.000 χ^2/NDF: 3814647.9/43

- sign 0.000+/-0.000 χ^2/NDF: 1432111.4/22

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -185.057+/-1410.470 χ^2/NDF:6.5/4

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

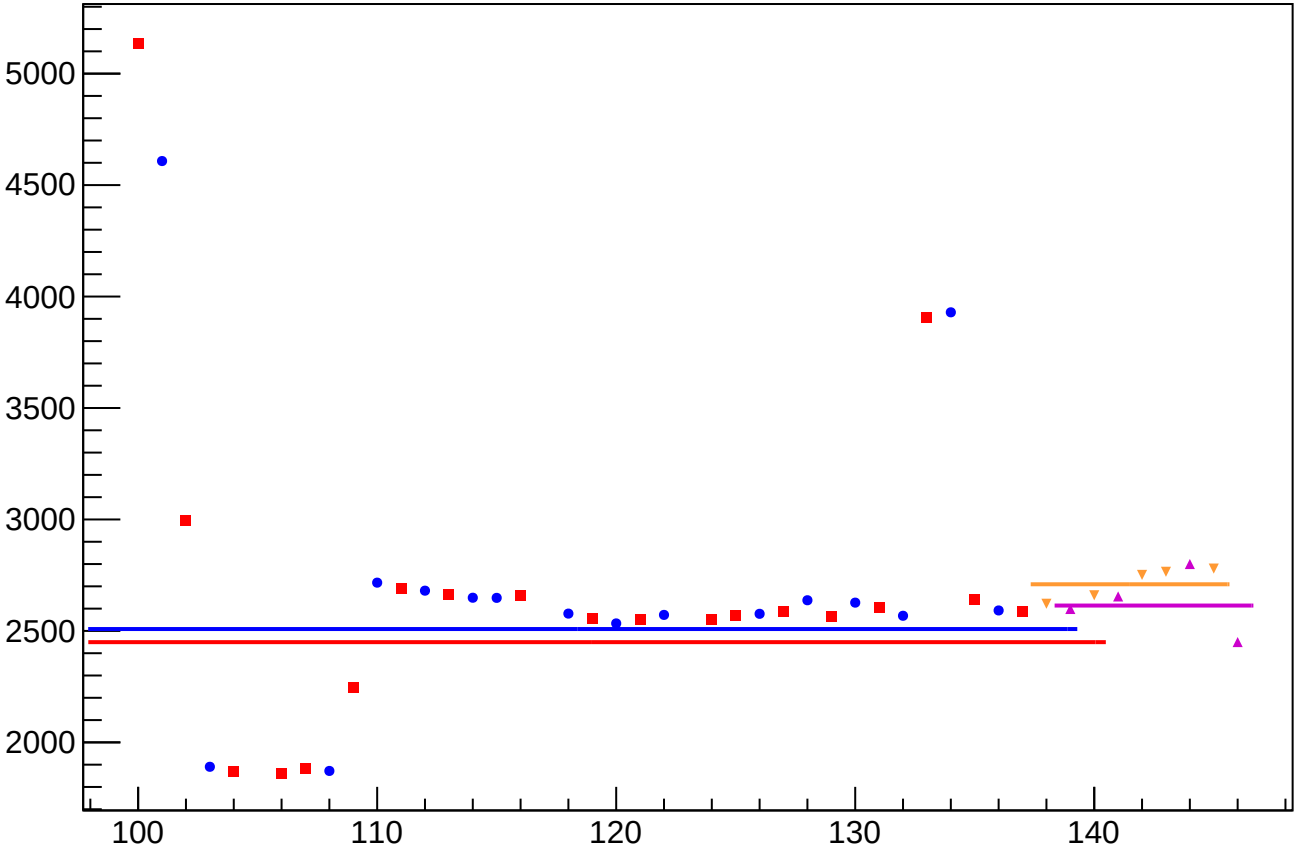
Left In: -4096.908+/-1392.160 χ^2/NDF:1.8/3

+ sign 2878.766+/-789.056 χ^2/NDF: 22.3/20

All: -18.617+/-550.632 χ^2/NDF: 66.5/43

- sign -2768.886+/-768.763 χ^2/NDF: 17.9/22

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2709.263+/-0.997 χ^2/NDF:4233.2/4

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

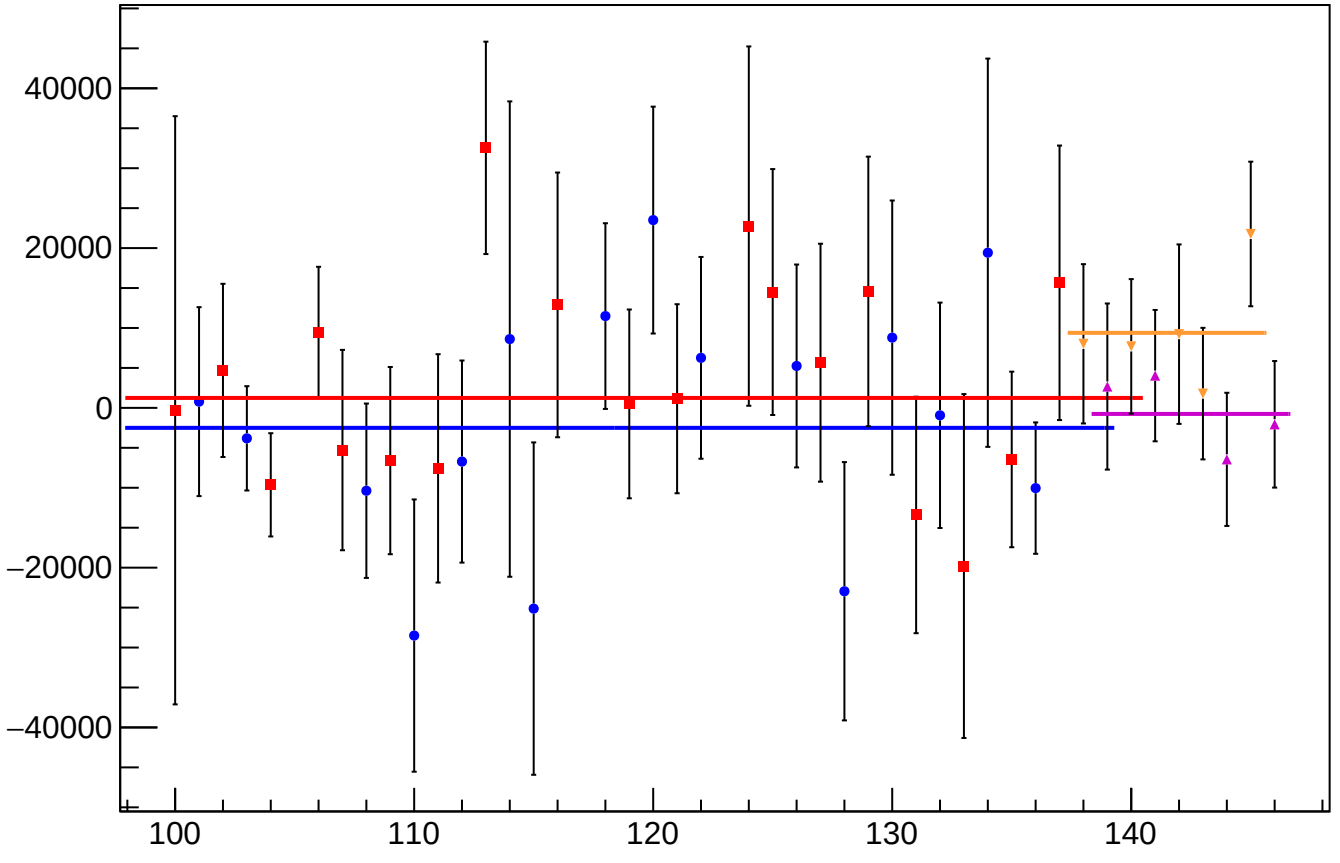
Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

+ sign 2571.308+/-0.558 χ^2/NDF: 643670.9/20

All: 2534.569+/-0.389 χ^2/NDF: 1124869.6/43

- sign 2499.696+/-0.544 χ^2/NDF: 472747.3/22

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 9390.147+/-4115.004 χ^2/NDF:2.8/4

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

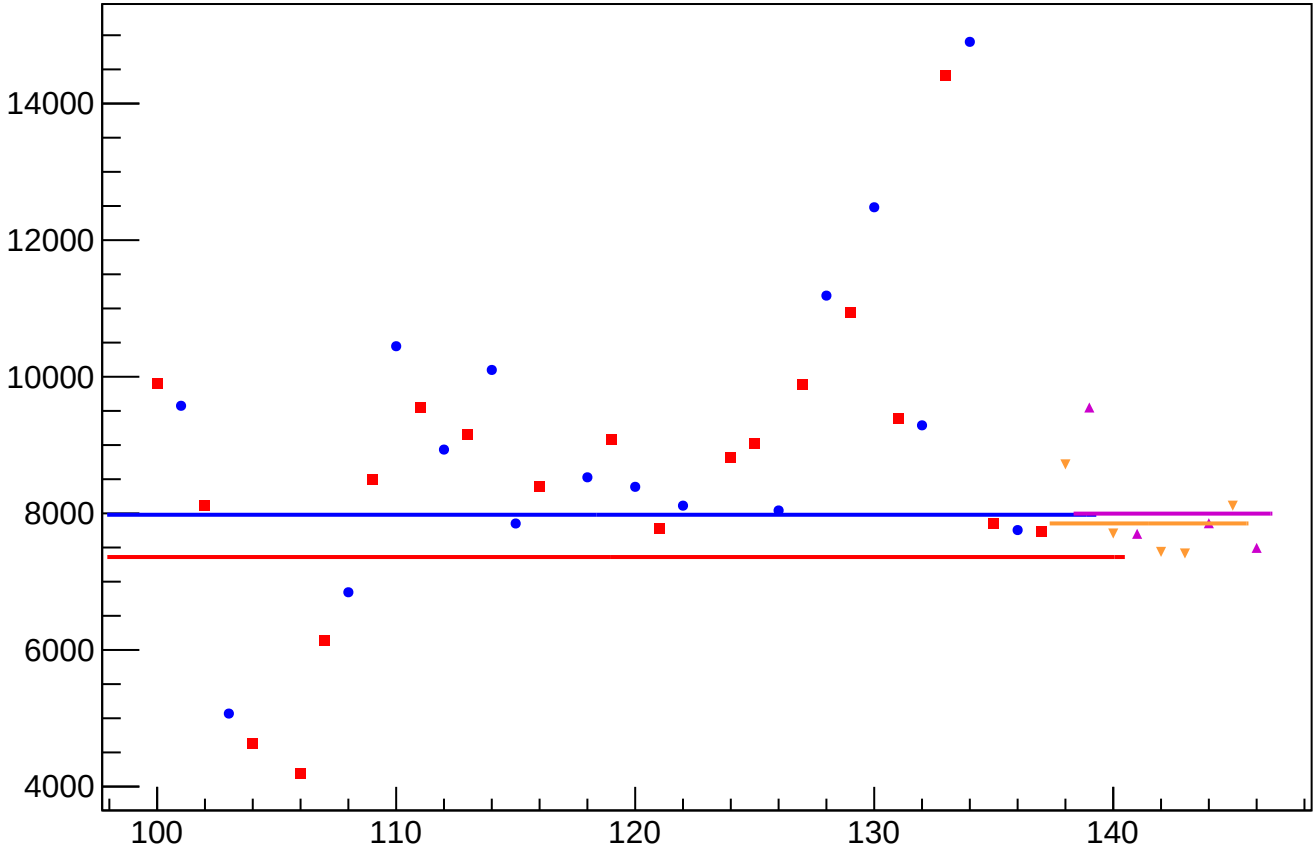
Left In: -757.441+/-4287.709 χ^2/NDF:0.9/3

+ sign 1761.105+/-2463.527 χ^2/NDF: 21.9/20

All: 1174.951+/-1709.851 χ^2/NDF: 39.7/43

- sign 630.127+/-2375.087 χ^2/NDF: 17.7/22

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7852.448+/-2.910 χ^2/NDF:25762.2/4

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

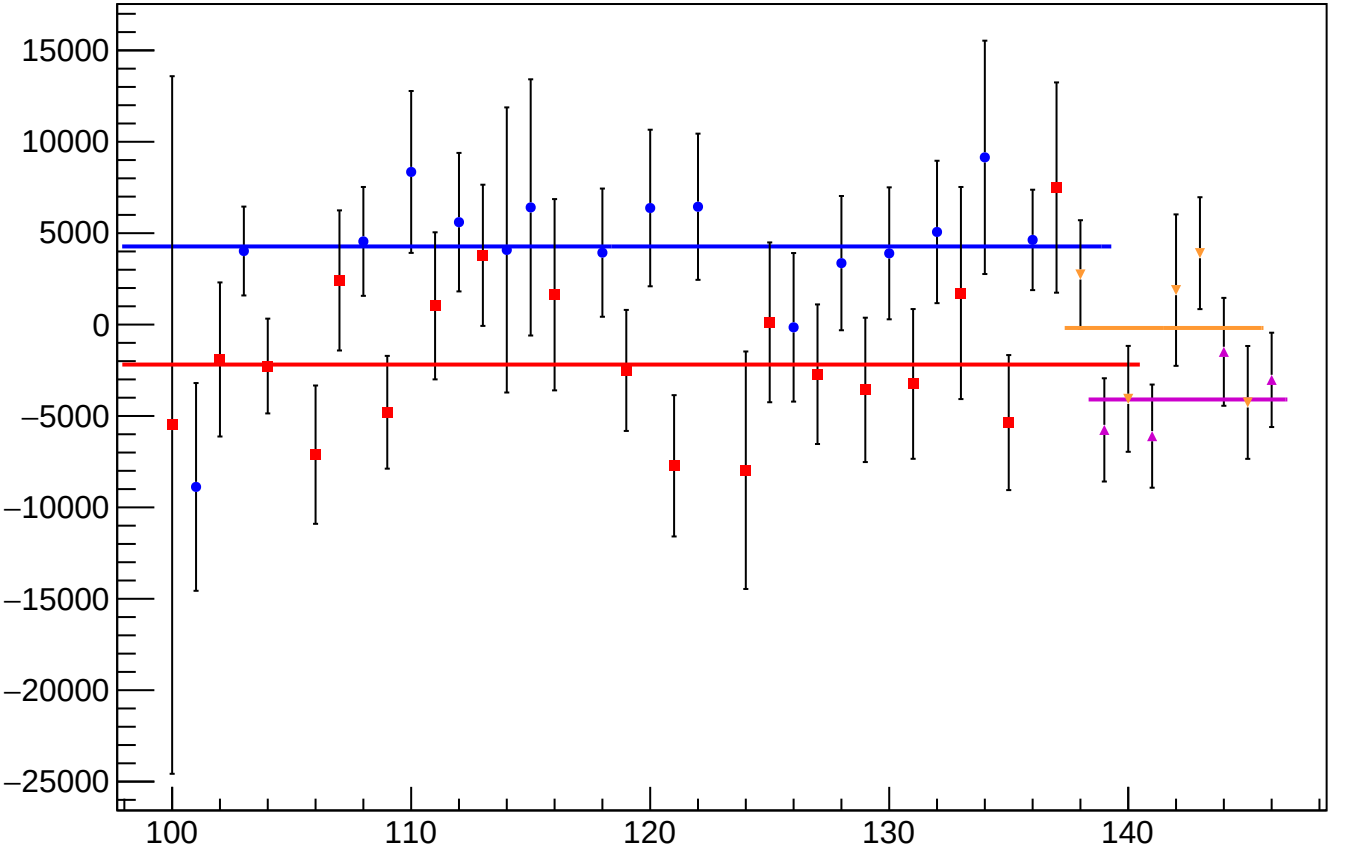
Left In: 7996.222+/-3.032 χ^2/NDF:55840.3/3

+ sign 7933.956+/-1.742 χ^2/NDF: 950069.0/20

All: 7737.932+/-1.209 χ^2/NDF: 2346803.0/43

- sign 7555.731+/-1.679 χ^2/NDF: 1372301.0/22

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -185.088+/-1410.470 χ^2/NDF:6.5/4

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

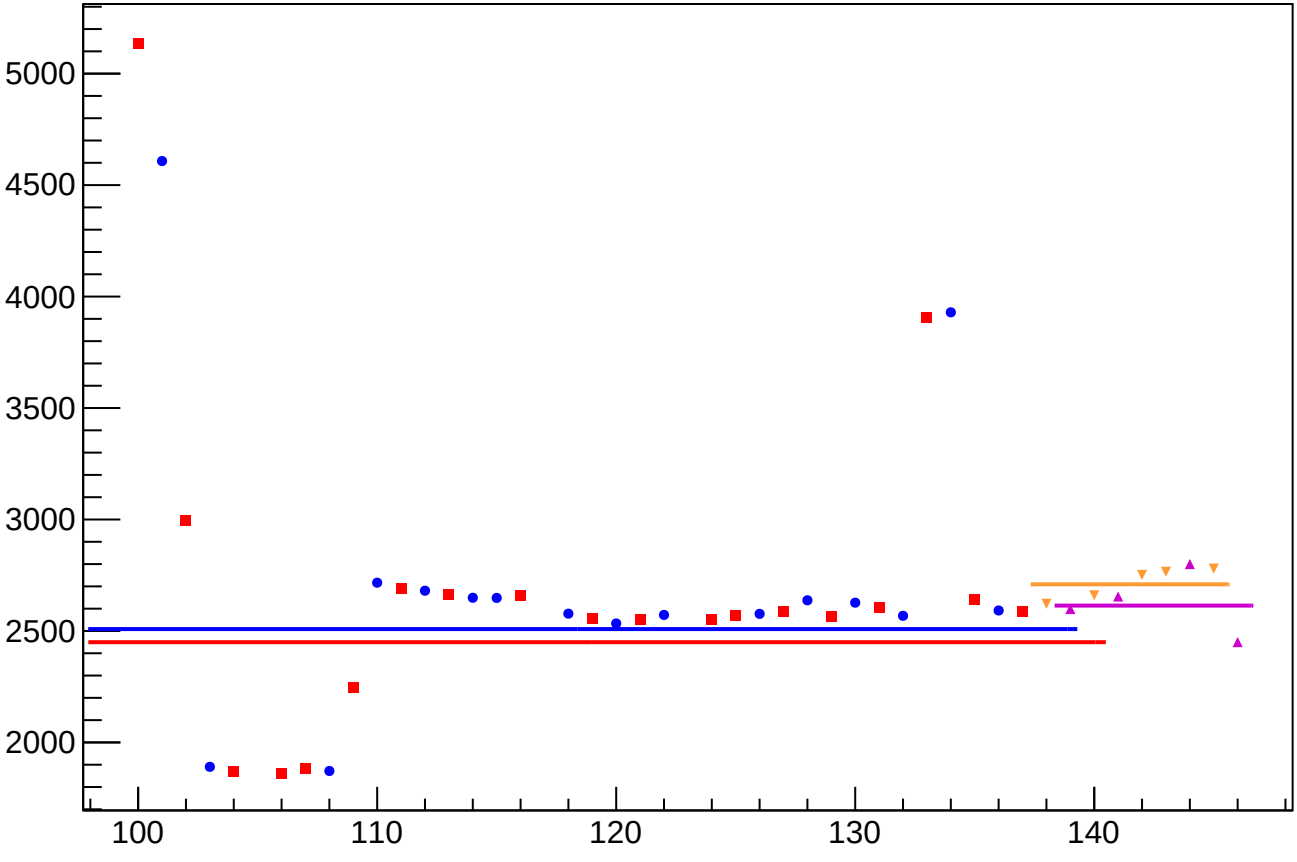
Left In: -4097.289+/-1392.160 χ^2/NDF:1.8/3

+ sign 2878.419+/-789.056 χ^2/NDF: 22.3/20

All: -19.055+/-550.634 χ^2/NDF: 66.5/43

- sign -2769.441+/-768.768 χ^2/NDF: 17.9/22

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2709.263+/-0.997 χ^2/NDF:4233.2/4

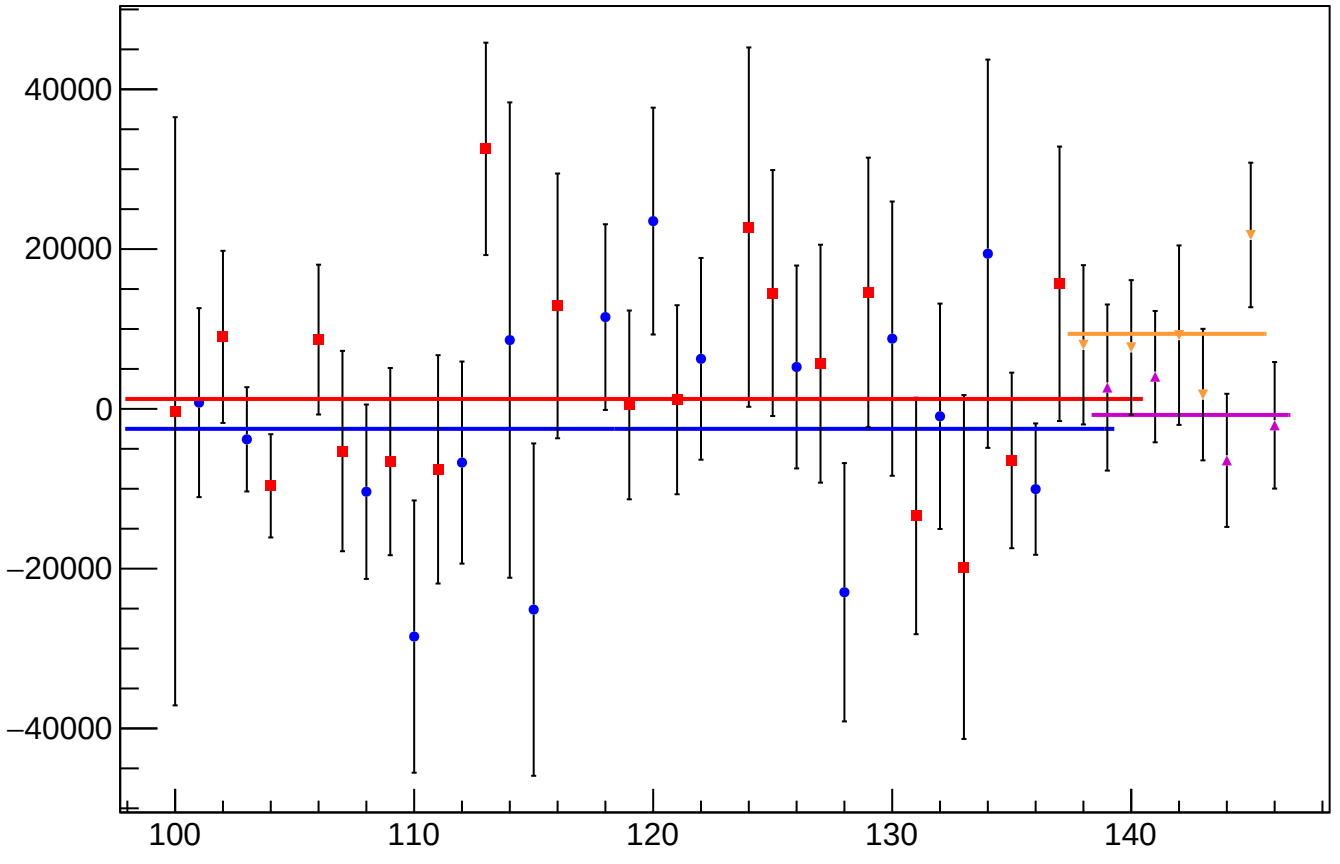
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

+ sign 2571.308+/-0.558 χ^2/NDF: 643668.5/20

All: 2534.578+/-0.389 χ^2/NDF: 1124802.9/43

- sign 2499.713+/-0.544 χ^2/NDF: 472687.1/22



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 9389.967+/-4114.988 χ^2/NDF:2.8/4

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

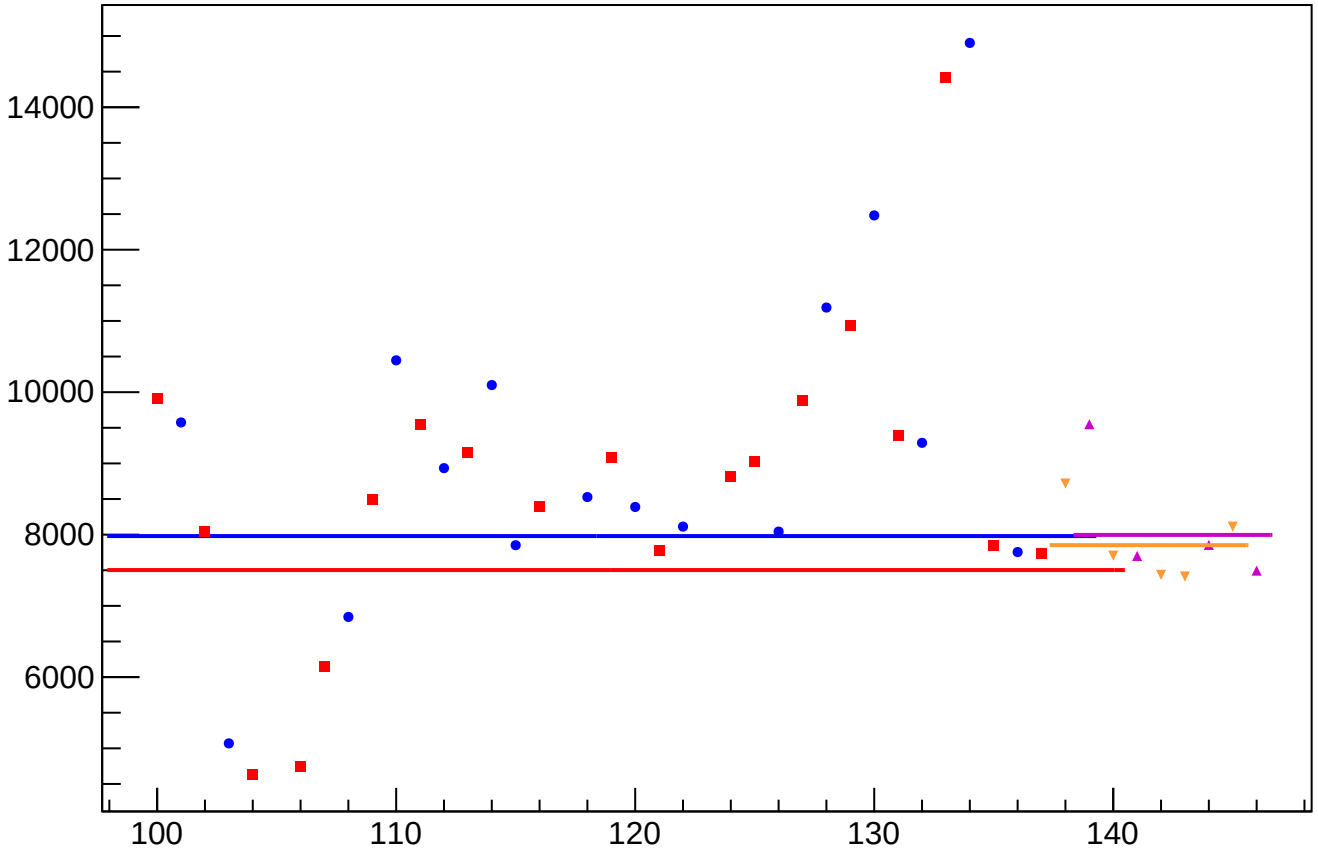
Left In: -757.623+/-4287.708 χ^2/NDF:0.9/3

+ sign 1761.360+/-2463.569 χ^2/NDF: 21.9/20

All: 1172.760+/-1718.516 χ^2/NDF: 39.7/43

- sign 614.872+/-2398.436 χ^2/NDF: 17.7/22

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7852.417+/-2.910 χ^2/NDF:25763.7/4

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

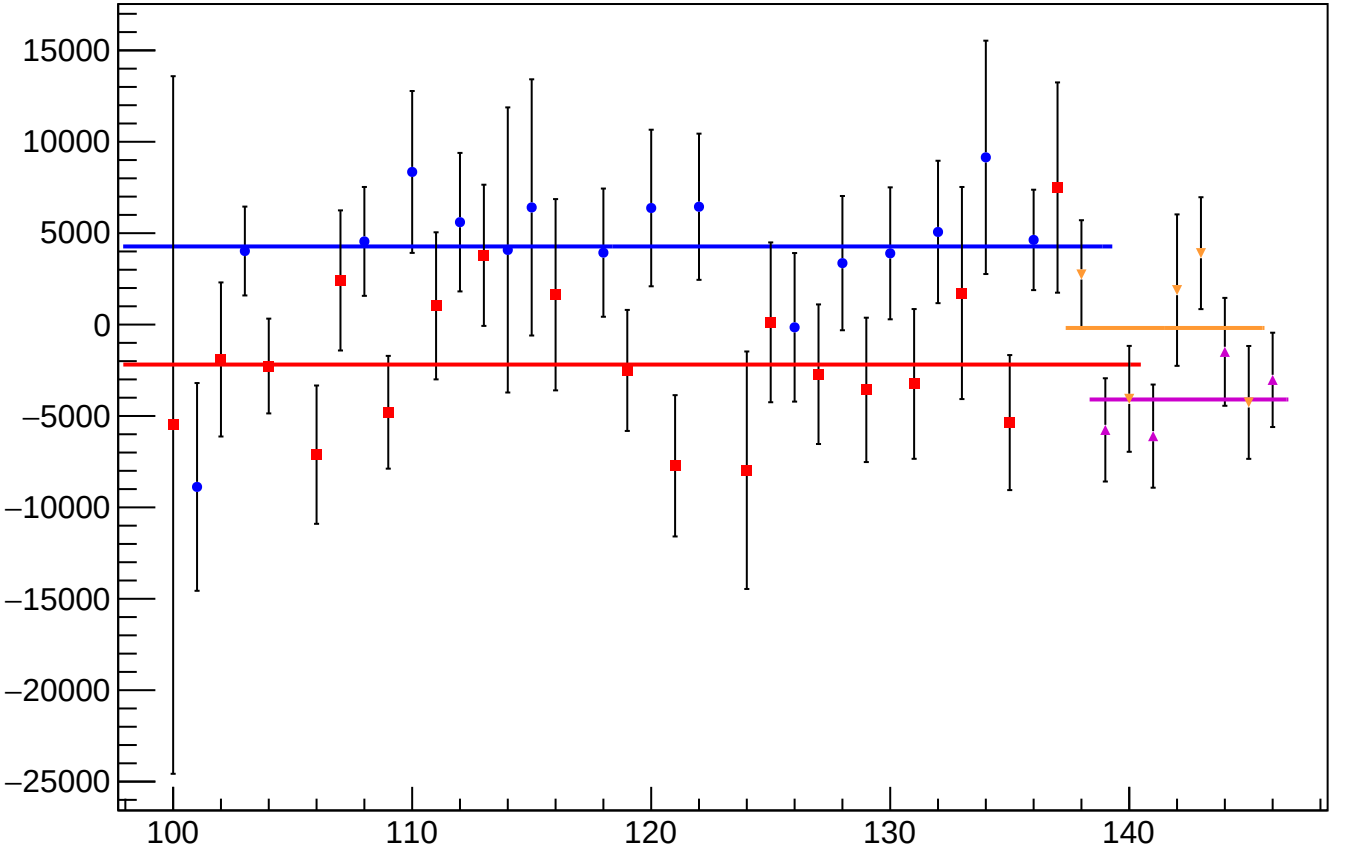
Left In: 7996.220+/-3.032 χ^2/NDF:55839.9/3

+ sign 7934.151+/-1.742 χ^2/NDF: 949778.9/20

All: 7791.921+/-1.215 χ^2/NDF: 2172333.9/43

- sign 7657.112+/-1.696 χ^2/NDF: 1209570.3/22

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -185.088+/-1410.470 χ^2/NDF:6.5/4

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

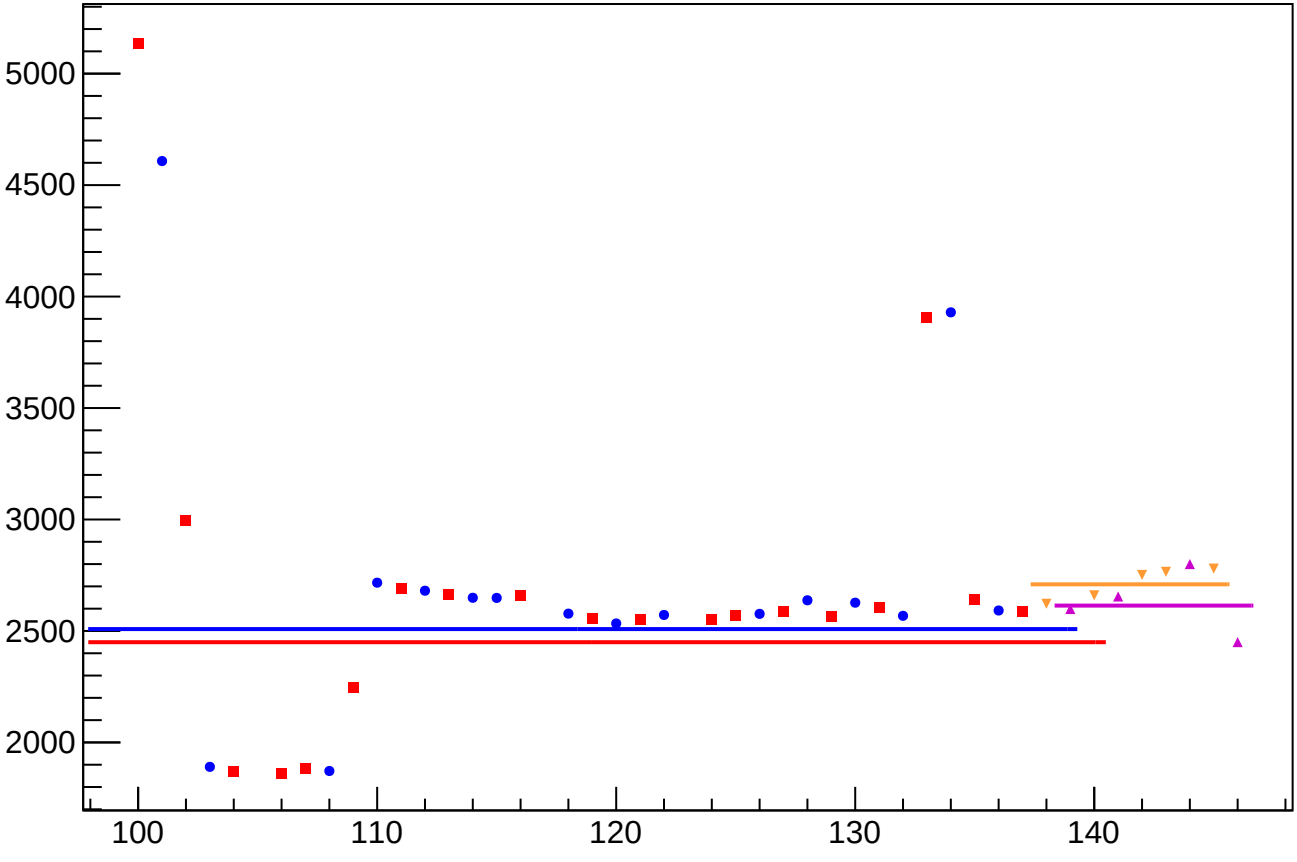
Left In: -4097.289+/-1392.160 χ^2/NDF:1.8/3

+ sign 2878.419+/-789.056 χ^2/NDF: 22.3/20

All: -19.055+/-550.634 χ^2/NDF: 66.5/43

- sign -2769.441+/-768.768 χ^2/NDF: 17.9/22

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2709.263+/-0.997 χ^2/NDF:4233.2/4

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

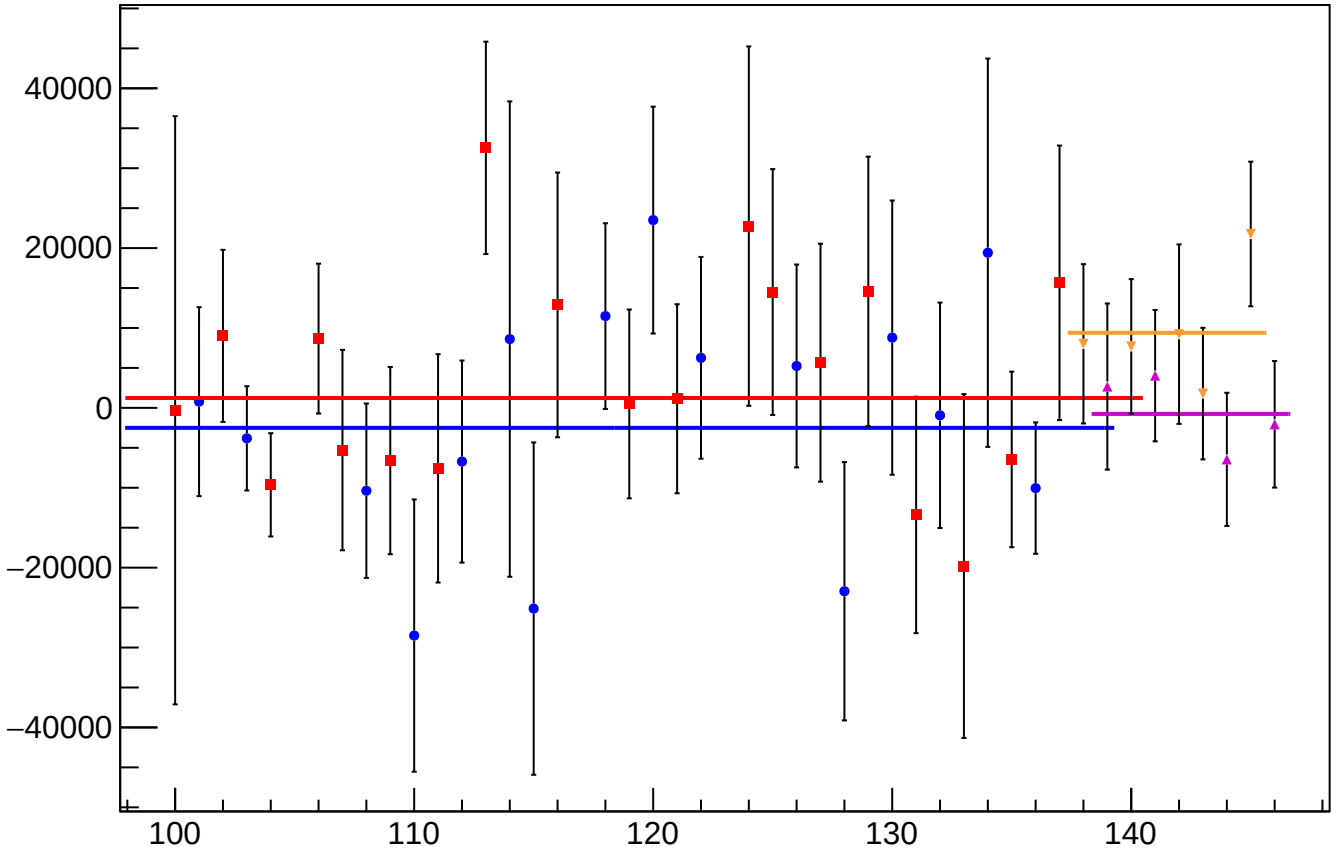
Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

+ sign 2571.308+/-0.558 χ^2/NDF: 643668.5/20

All: 2534.578+/-0.389 χ^2/NDF: 1124802.9/43

- sign 2499.713+/-0.544 χ^2/NDF: 472687.1/22

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 9389.967+/-4114.988 χ^2/NDF:2.8/4

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

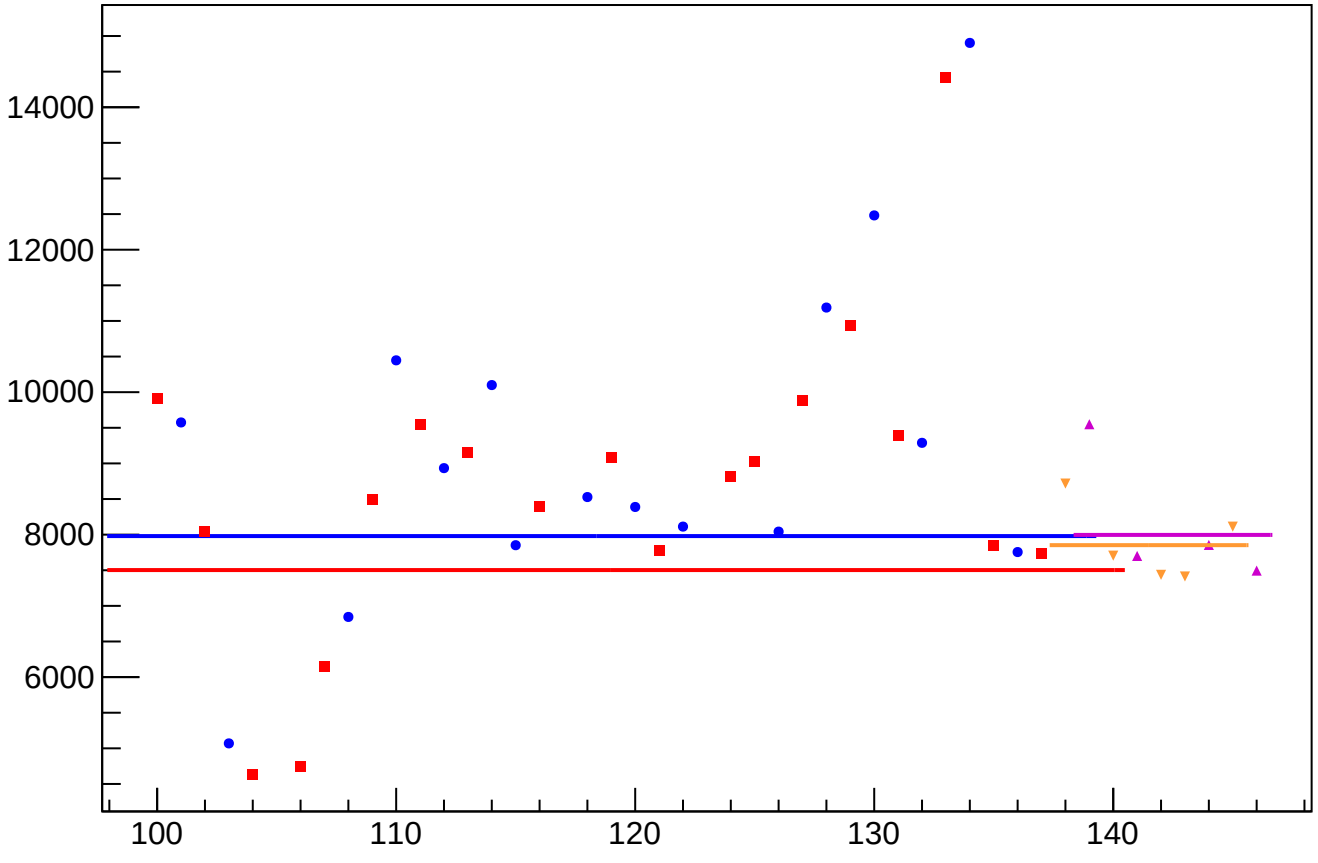
Left In: -757.623+/-4287.708 χ^2/NDF:0.9/3

+ sign 1761.360+/-2463.569 χ^2/NDF: 21.9/20

All: 1172.760+/-1718.516 χ^2/NDF: 39.7/43

- sign 614.872+/-2398.436 χ^2/NDF: 17.7/22

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7852.417+/-2.910 χ^2/NDF:25763.7/4

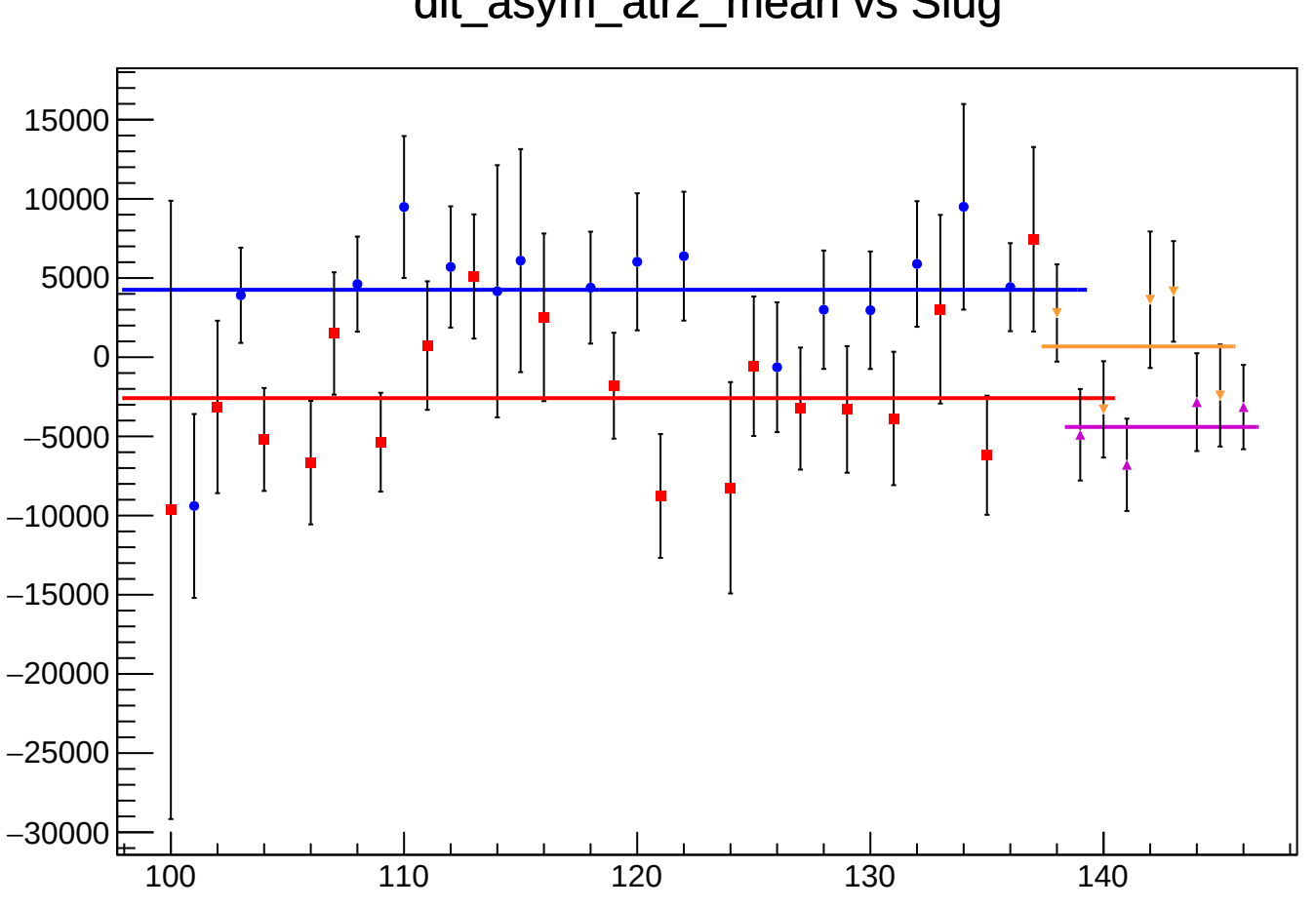
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7996.220+/-3.032 χ^2/NDF:55839.9/3

+ sign 7934.151+/-1.742 χ^2/NDF: 949778.9/20

All: 7791.921+/-1.215 χ^2/NDF: 2172333.9/43

- sign 7657.112+/-1.696 χ^2/NDF: 1209570.3/22



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 679.033+/-1468.677 χ^2/NDF:4.8/4

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

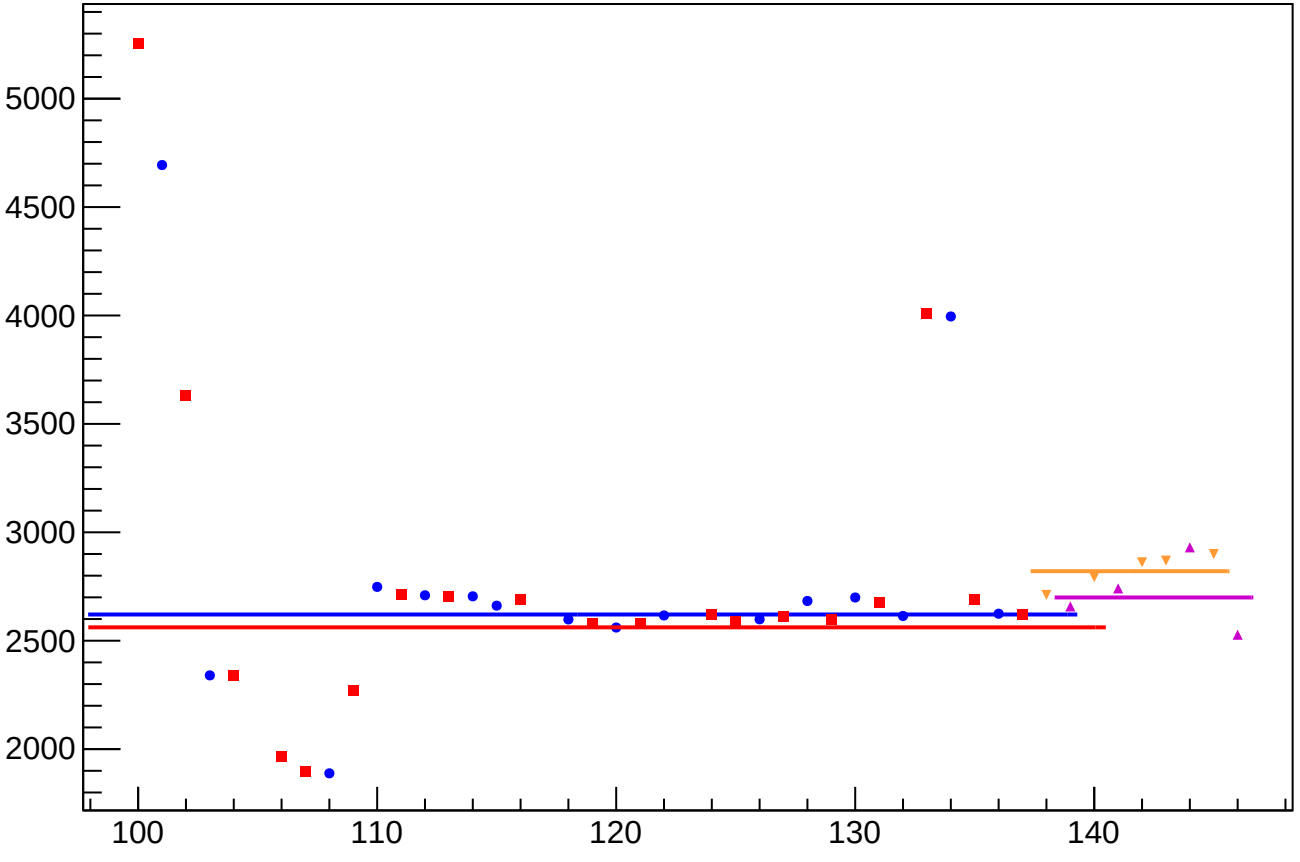
Left In: -4403.058+/-1438.330 χ^2/NDF:1.2/3

+ sign 3138.311+/-821.221 χ^2/NDF: 18.9/20

All: -80.461+/-573.757 χ^2/NDF: 68.8/43

- sign -3149.968+/-801.953 χ^2/NDF: 19.9/22

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2820.621+/-1.039 χ^2/NDF:4561.2/4

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

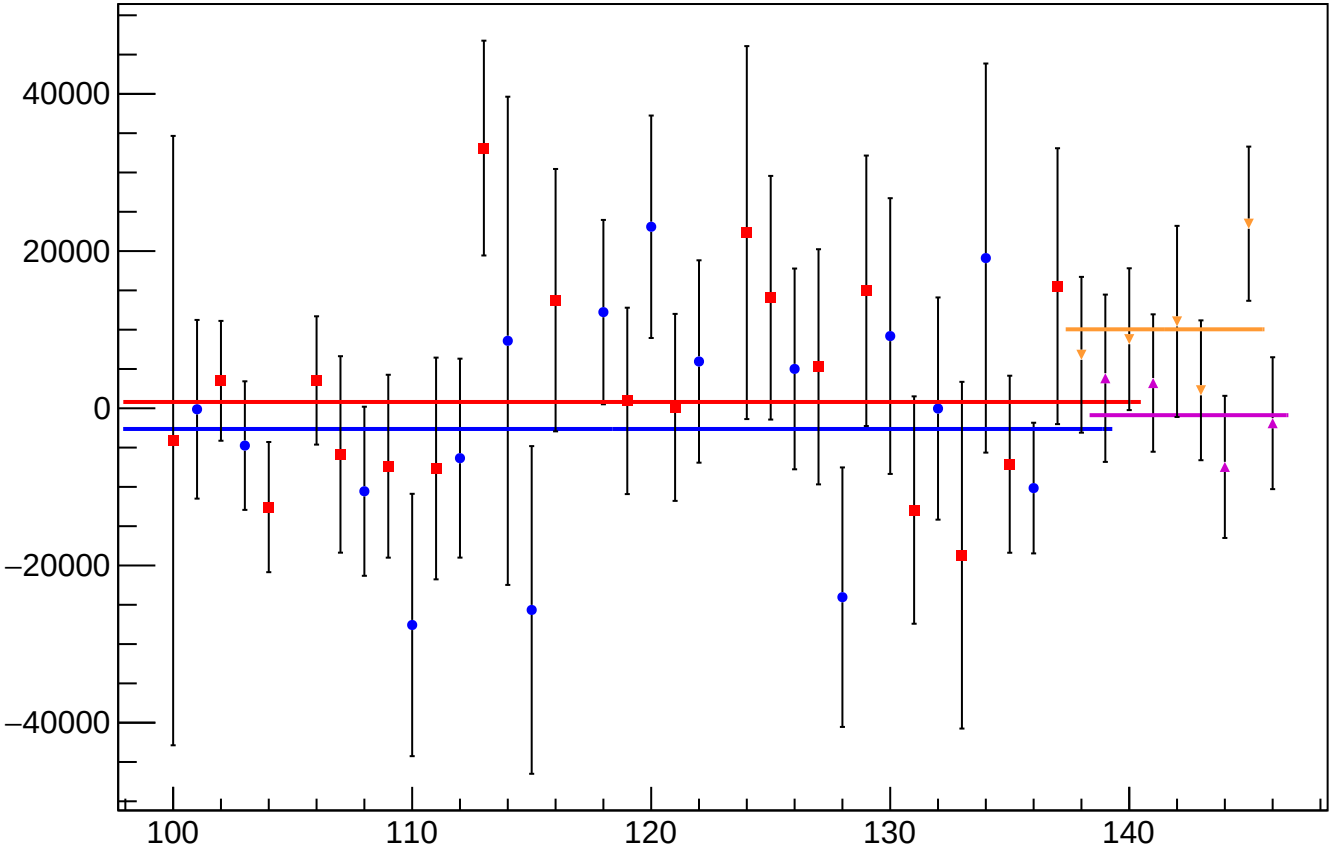
Left In: 2699.479+/-1.017 χ^2/NDF:20348.3/3

+ sign 2683.388+/-0.581 χ^2/NDF: 515880.4/20

All: 2642.997+/-0.406 χ^2/NDF: 936584.4/43

- sign 2604.510+/-0.567 χ^2/NDF: 411255.7/22

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 10047.044+/-4374.129 χ^2/NDF:2.8/4

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

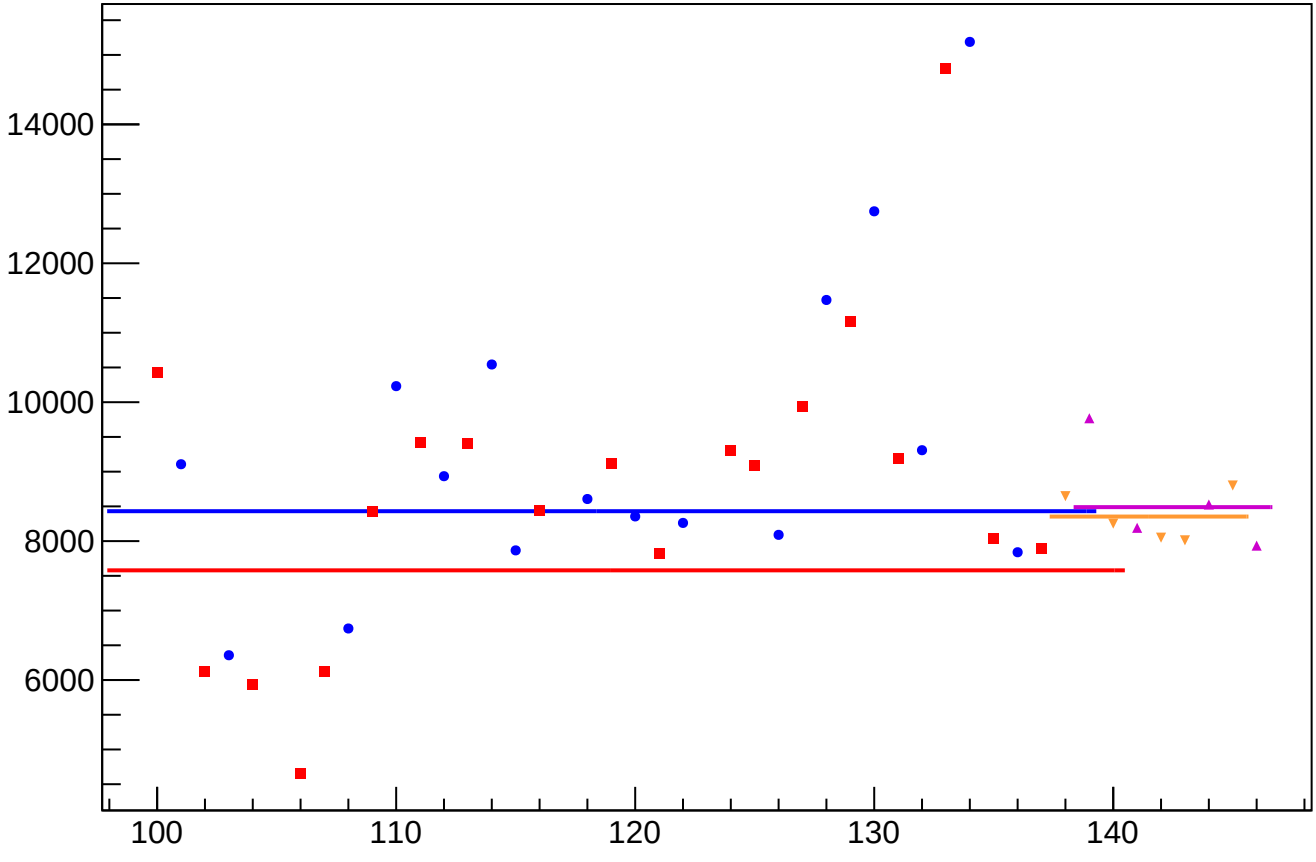
Left In: -876.102+/-4547.820 χ^2/NDF:1.0/3

+ sign 1808.903+/-2588.698 χ^2/NDF: 22.0/20

All: 1019.188+/-1771.285 χ^2/NDF: 38.7/43

- sign 323.971+/-2428.883 χ^2/NDF: 16.5/22

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8353.574+/-3.093 χ^2/NDF:10379.9/4

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

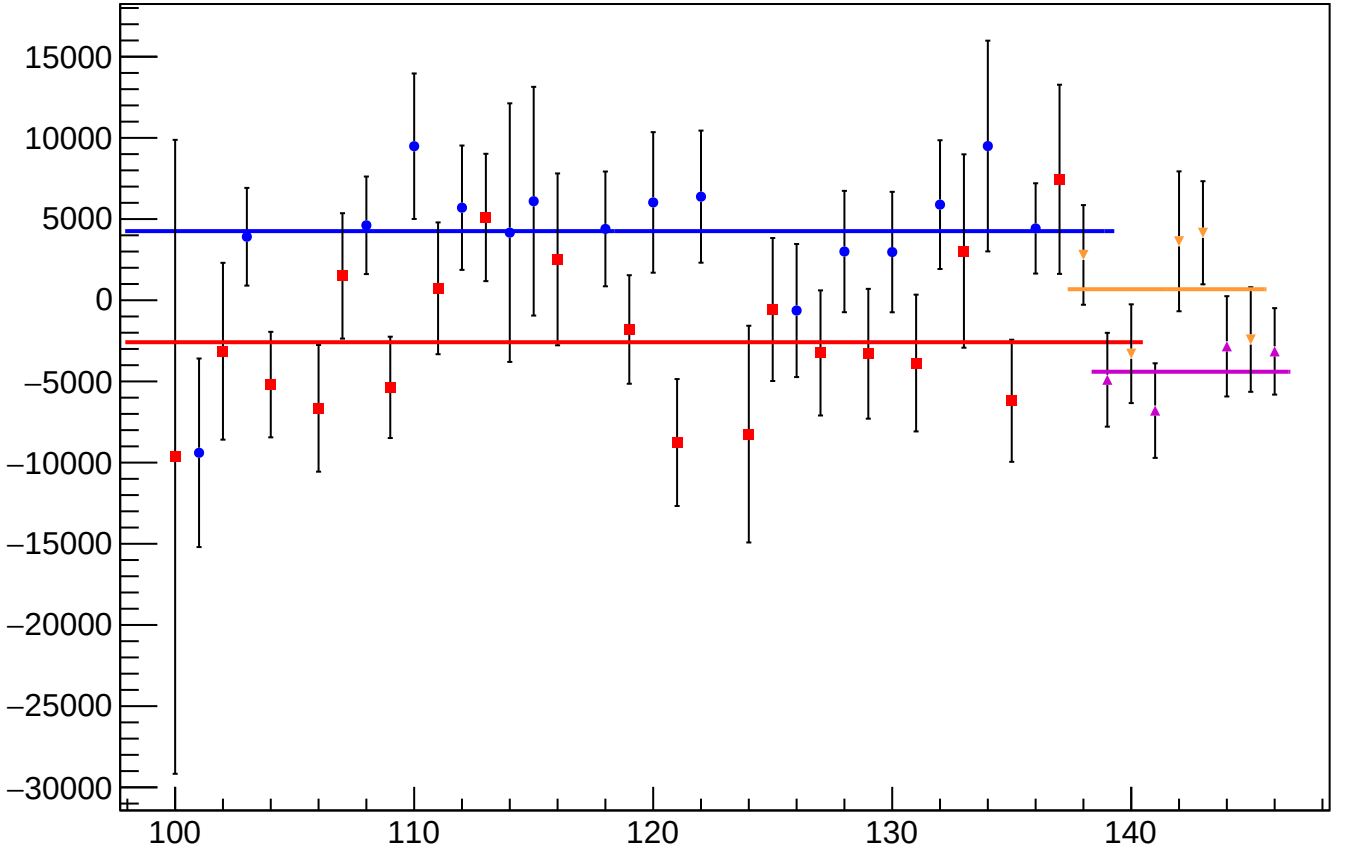
Left In: 8489.239+/-3.216 χ^2/NDF:40002.6/3

+ sign 8403.731+/-1.830 χ^2/NDF: 591079.7/20

All: 8103.244+/-1.252 χ^2/NDF: 1713131.2/43

- sign 7838.714+/-1.717 χ^2/NDF: 1071381.3/22

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 679.040+/-1468.678 χ^2/NDF:4.8/4

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

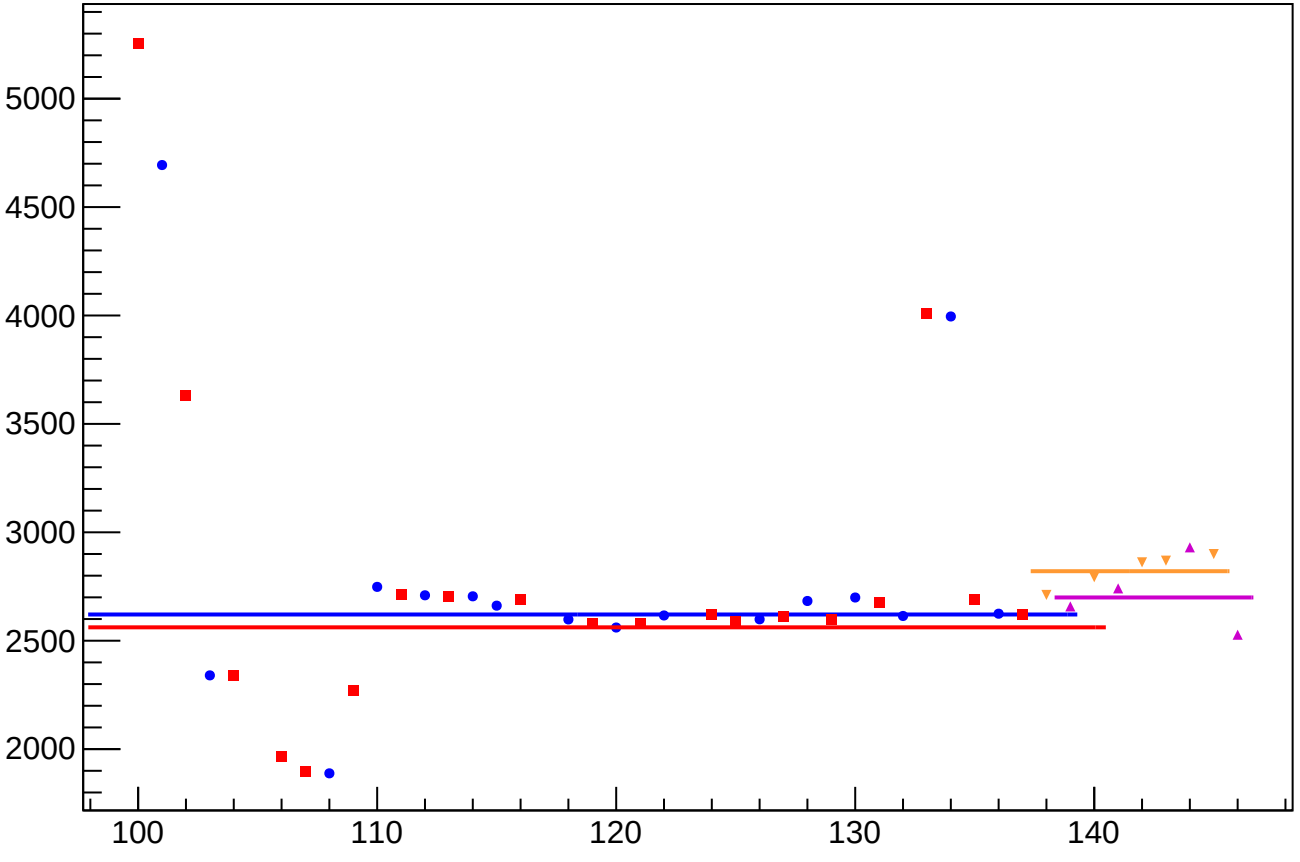
Left In: -4403.044+/-1438.331 χ^2/NDF:1.2/3

+ sign 3138.320+/-821.221 χ^2/NDF: 18.9/20

All: -80.457+/-573.757 χ^2/NDF: 68.8/43

- sign -3149.970+/-801.953 χ^2/NDF: 19.9/22

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2820.623+/-1.039 χ^2/NDF:4561.3/4

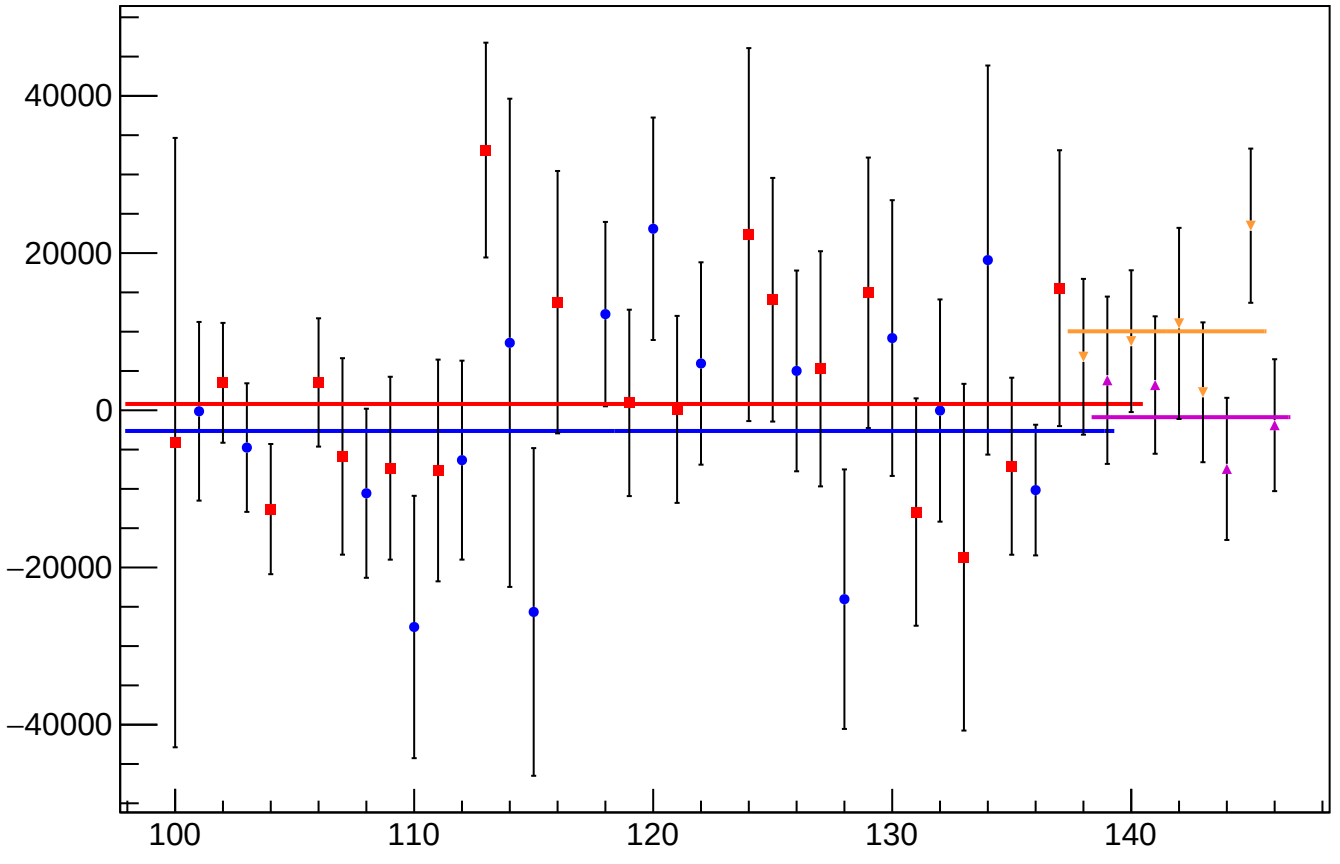
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2699.481+/-1.017 χ^2/NDF:20348.1/3

+ sign 2683.388+/-0.581 χ^2/NDF: 515881.4/20

All: 2642.997+/-0.406 χ^2/NDF: 936584.9/43

- sign 2604.510+/-0.567 χ^2/NDF: 411255.3/22



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 10047.056+/-4374.135 χ^2/NDF:2.8/4

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

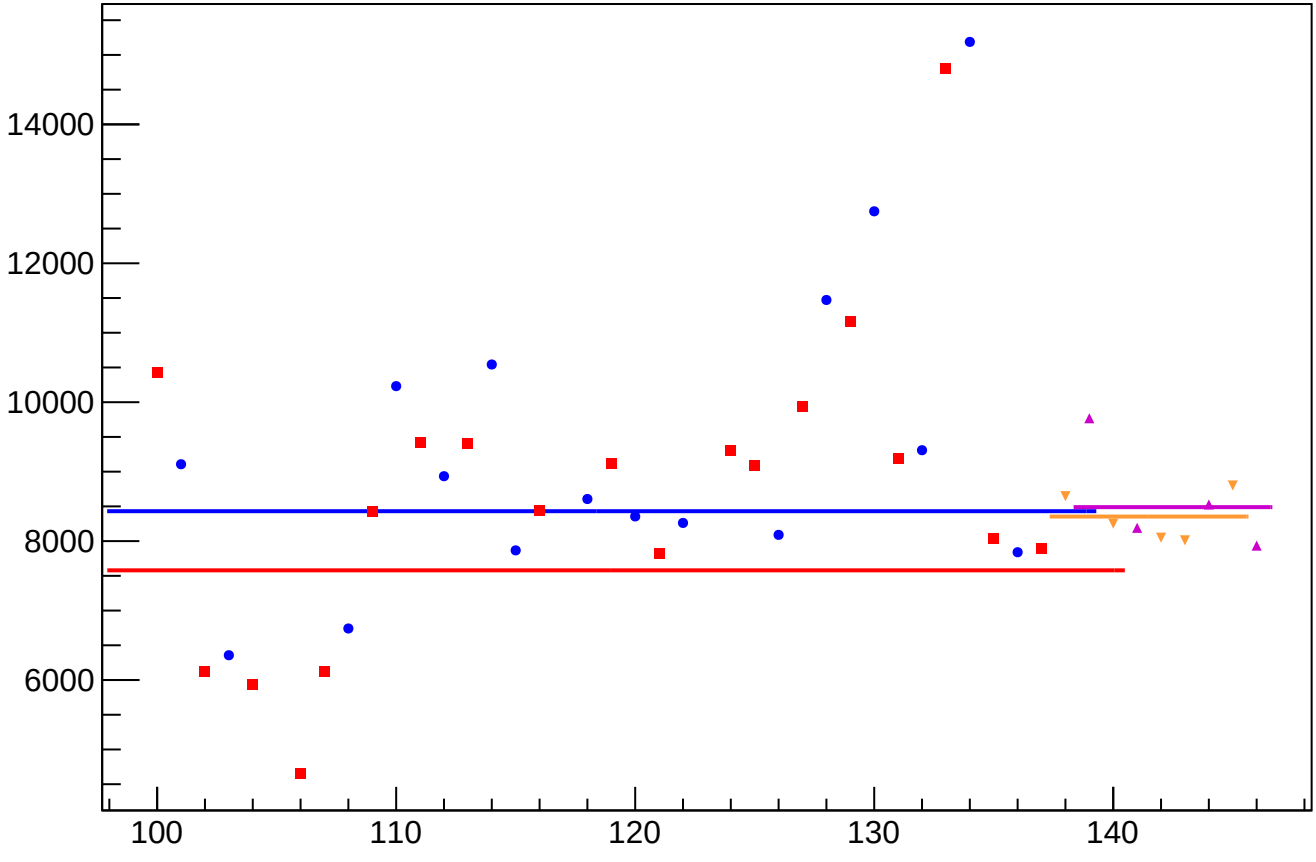
Left In: -876.083+/-4547.825 χ^2/NDF:1.0/3

+ sign 1808.914+/-2588.697 χ^2/NDF: 22.0/20

All: 1019.195+/-1771.284 χ^2/NDF: 38.7/43

- sign 323.975+/-2428.881 χ^2/NDF: 16.5/22

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8353.585+/-3.093 χ^2/NDF:10380.0/4

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

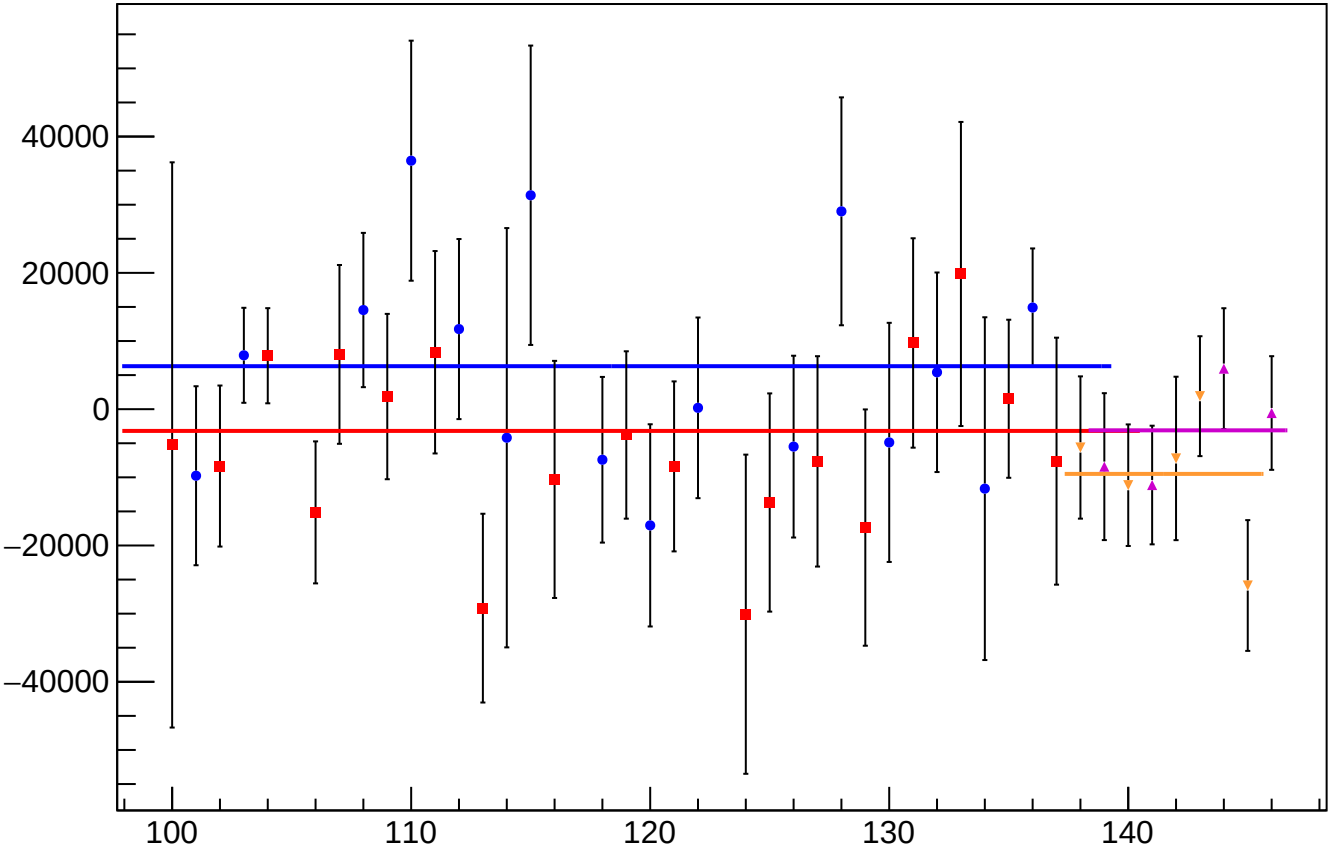
Left In: 8489.249+/-3.216 χ^2/NDF:40003.0/3

+ sign 8403.728+/-1.830 χ^2/NDF: 591073.9/20

All: 8103.240+/-1.252 χ^2/NDF: 1713125.5/43

- sign 7838.708+/-1.717 χ^2/NDF: 1071380.7/22

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -9496.878+/-4363.319 χ^2/NDF:4.8/4

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

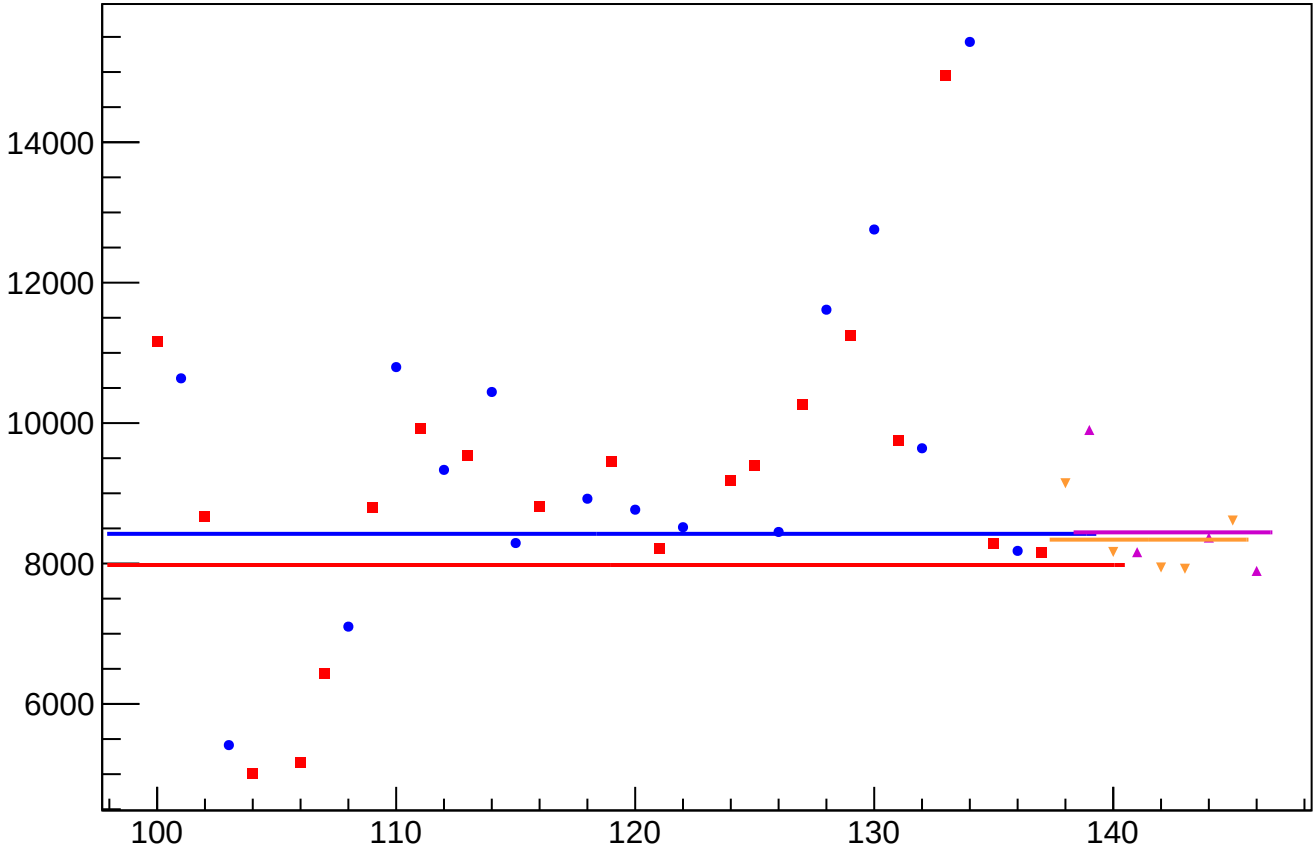
Left In: -3105.068+/-4521.460 χ^2/NDF:2.2/3

+ sign 692.405+/-2601.326 χ^2/NDF: 28.4/20

All: -1281.848+/-1817.014 χ^2/NDF: 45.6/43

- sign -3162.775+/-2539.096 χ^2/NDF: 16.1/22

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8340.061+/-3.086 χ^2/NDF:20849.8/4

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

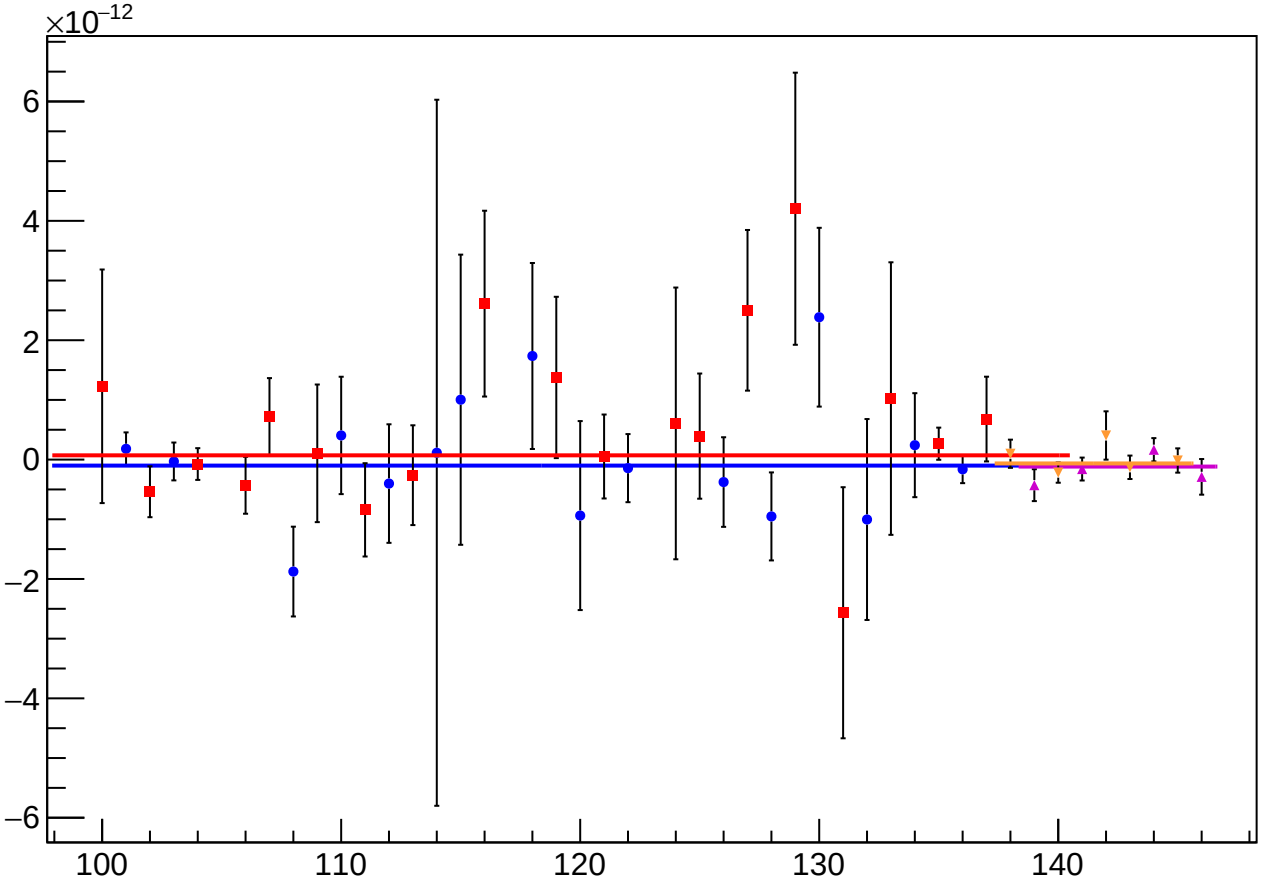
Left In: 8443.768+/-3.197 χ^2/NDF:47533.6/3

+ sign 8393.352+/-1.839 χ^2/NDF: 903146.2/20

All: 8256.214+/-1.285 χ^2/NDF: 1992021.4/43

- sign 8125.562+/-1.795 χ^2/NDF: 1078021.0/22

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:2.8/4

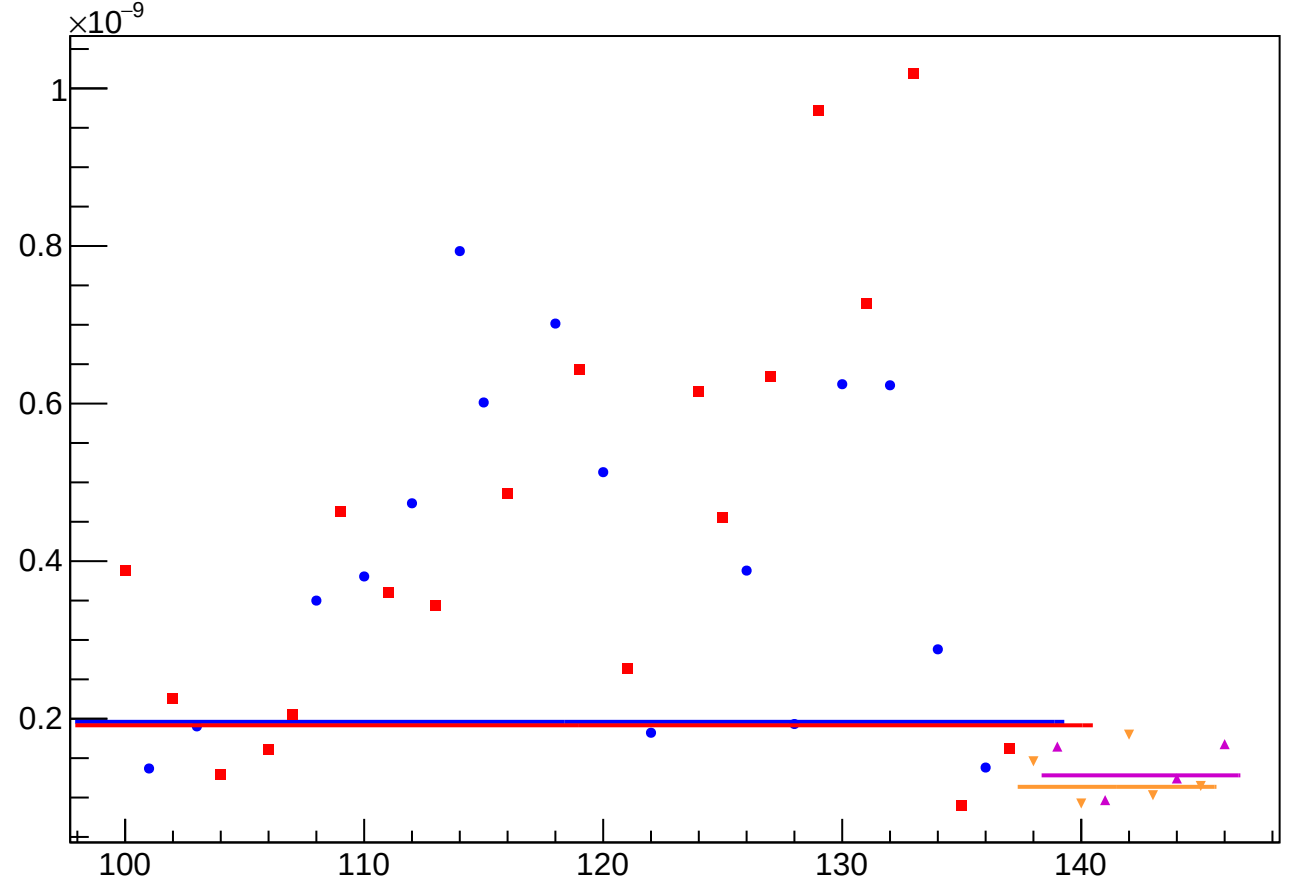
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 16.5/20

All: -0.000+/-0.000 χ^2/NDF: 41.1/43

- sign -0.000+/-0.000 χ^2/NDF: 24.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:128197.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

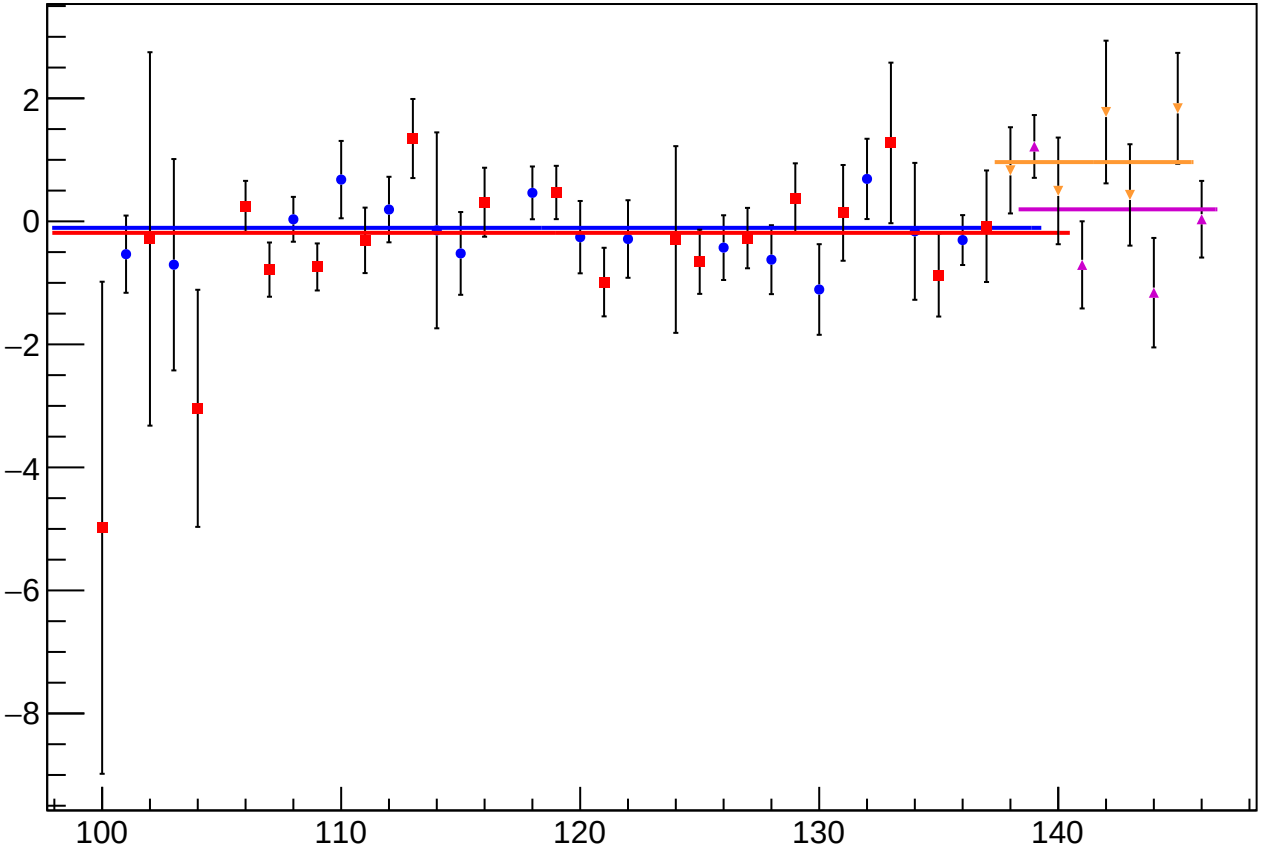
Left In: 0.000+/-0.000 χ^2/NDF:126962.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 1970046.8/20

All: 0.000+/-0.000 χ^2/NDF: 4435092.3/43

- sign 0.000+/-0.000 χ^2/NDF: 2444646.7/22

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.963+/-0.383 χ^2/NDF:2.2/4

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

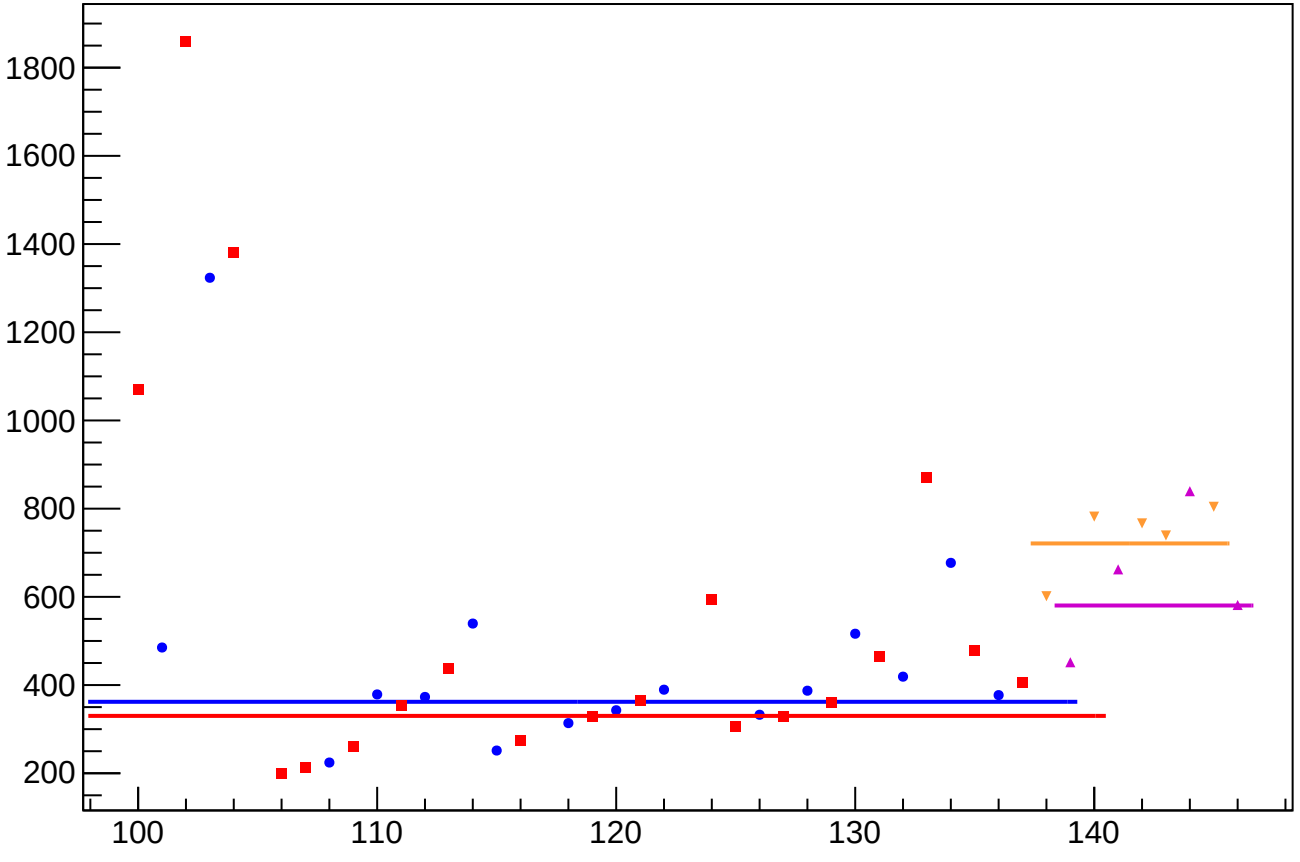
Left In: 0.195+/-0.322 χ^2/NDF:8.0/3

+ sign 0.028+/-0.135 χ^2/NDF: 18.7/20

All: -0.055+/-0.092 χ^2/NDF: 52.5/43

- sign -0.128+/-0.126 χ^2/NDF: 33.1/22

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 721.111+/-0.271 χ^2/NDF:89248.5/4

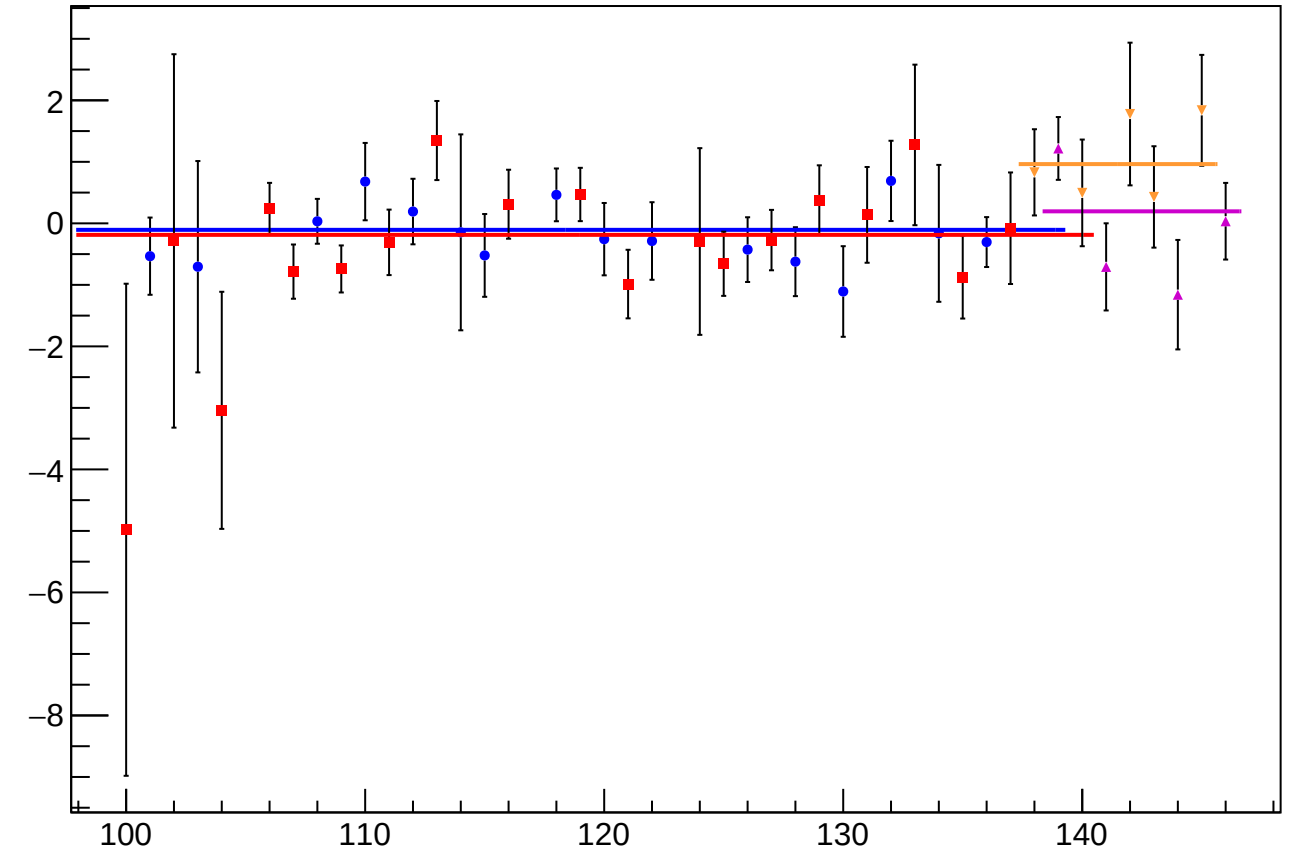
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 580.394+/-0.227 χ^2/NDF:323510.7/3

+ sign 406.860+/-0.096 χ^2/NDF: 3004266.4/20

All: 386.485+/-0.065 χ^2/NDF: 6683672.9/43

- sign 368.728+/-0.089 χ^2/NDF: 3594590.9/22



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.963+/-0.383 χ^2/NDF:2.2/4

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

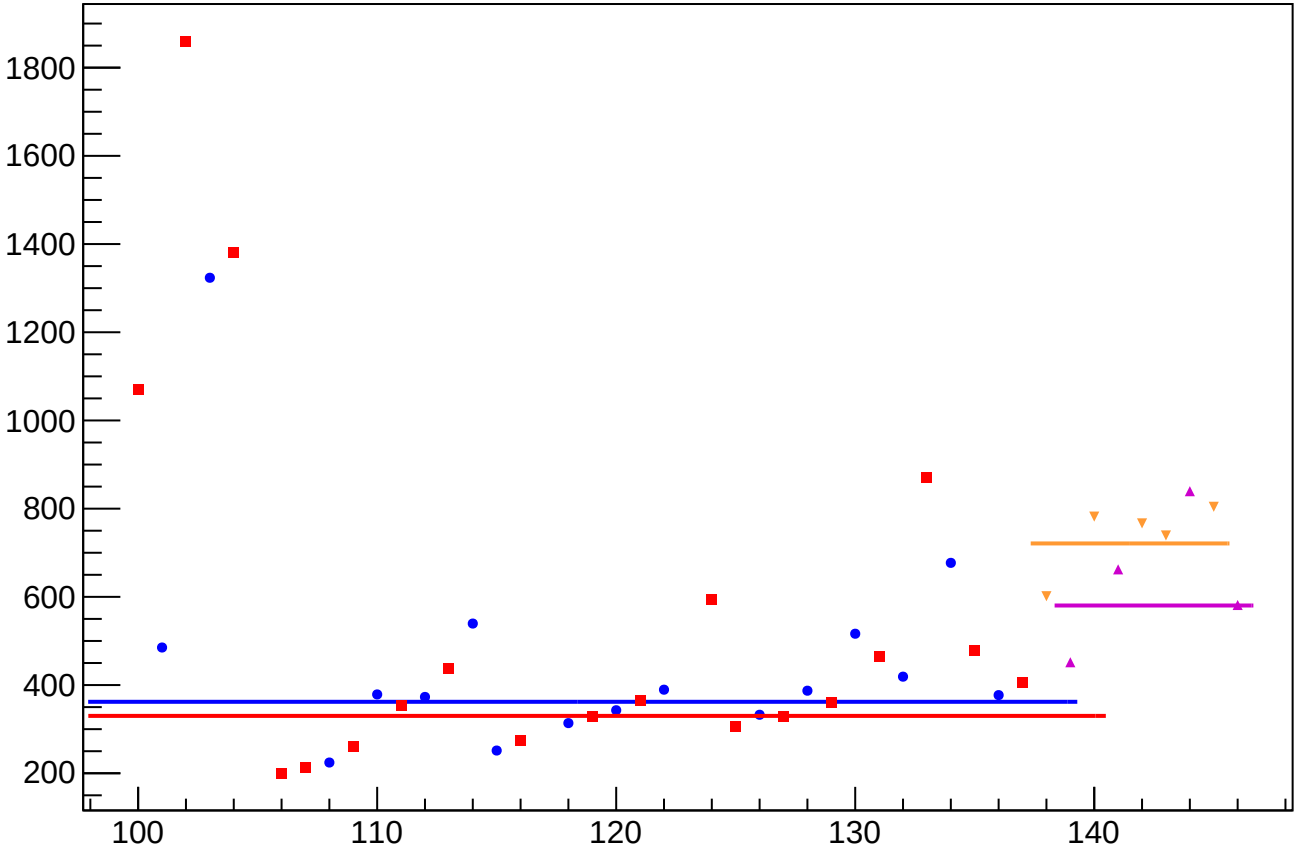
Left In: 0.195+/-0.322 χ^2/NDF:8.0/3

+ sign 0.028+/-0.135 χ^2/NDF: 18.7/20

All: -0.055+/-0.092 χ^2/NDF: 52.5/43

- sign -0.128+/-0.126 χ^2/NDF: 33.1/22

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 721.111+/-0.271 χ^2/NDF:89248.5/4

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

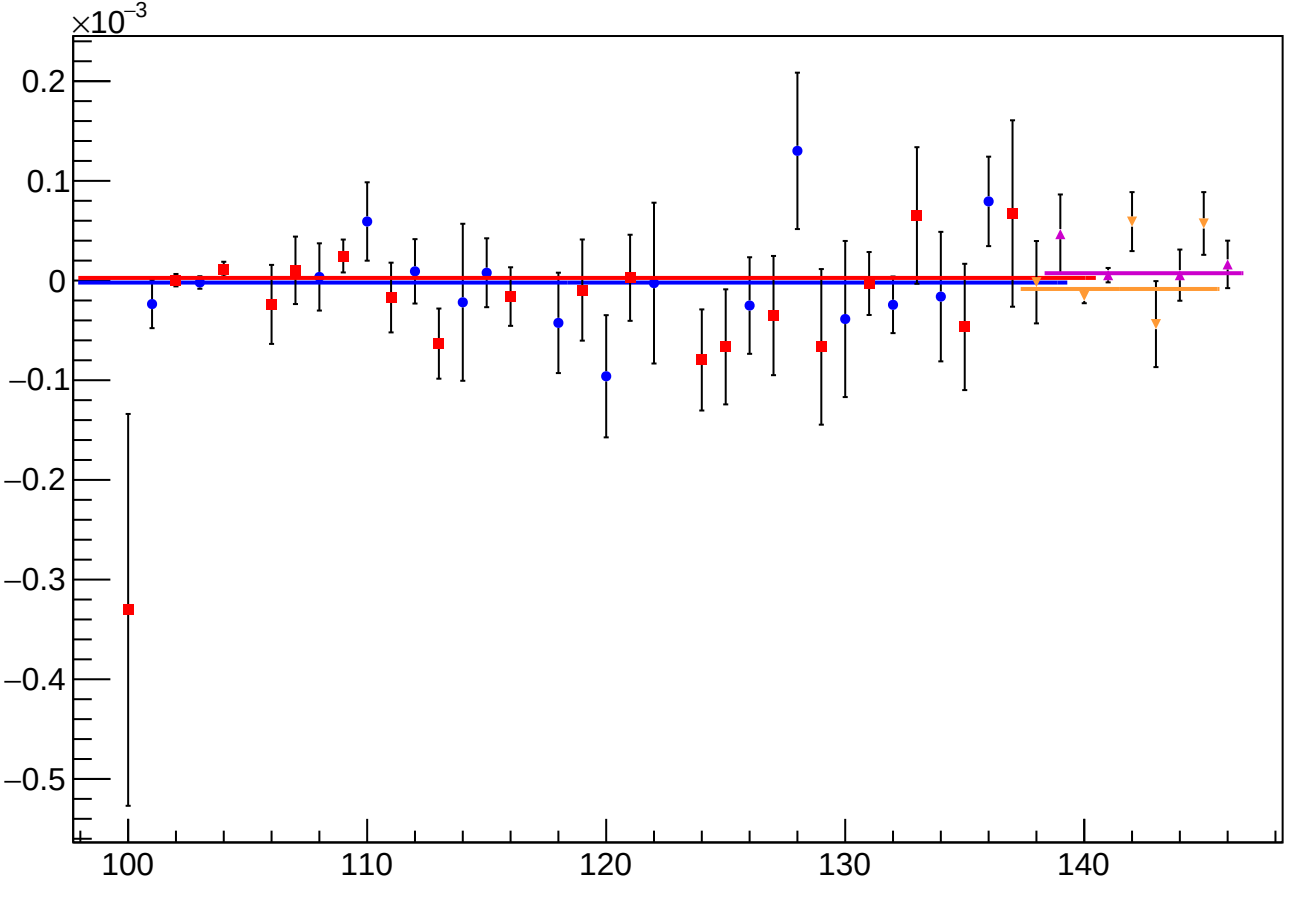
Left In: 580.394+/-0.227 χ^2/NDF:323510.7/3

+ sign 406.860+/-0.096 χ^2/NDF: 3004266.4/20

All: 386.485+/-0.065 χ^2/NDF: 6683672.9/43

- sign 368.728+/-0.089 χ^2/NDF: 3594590.9/22

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/4

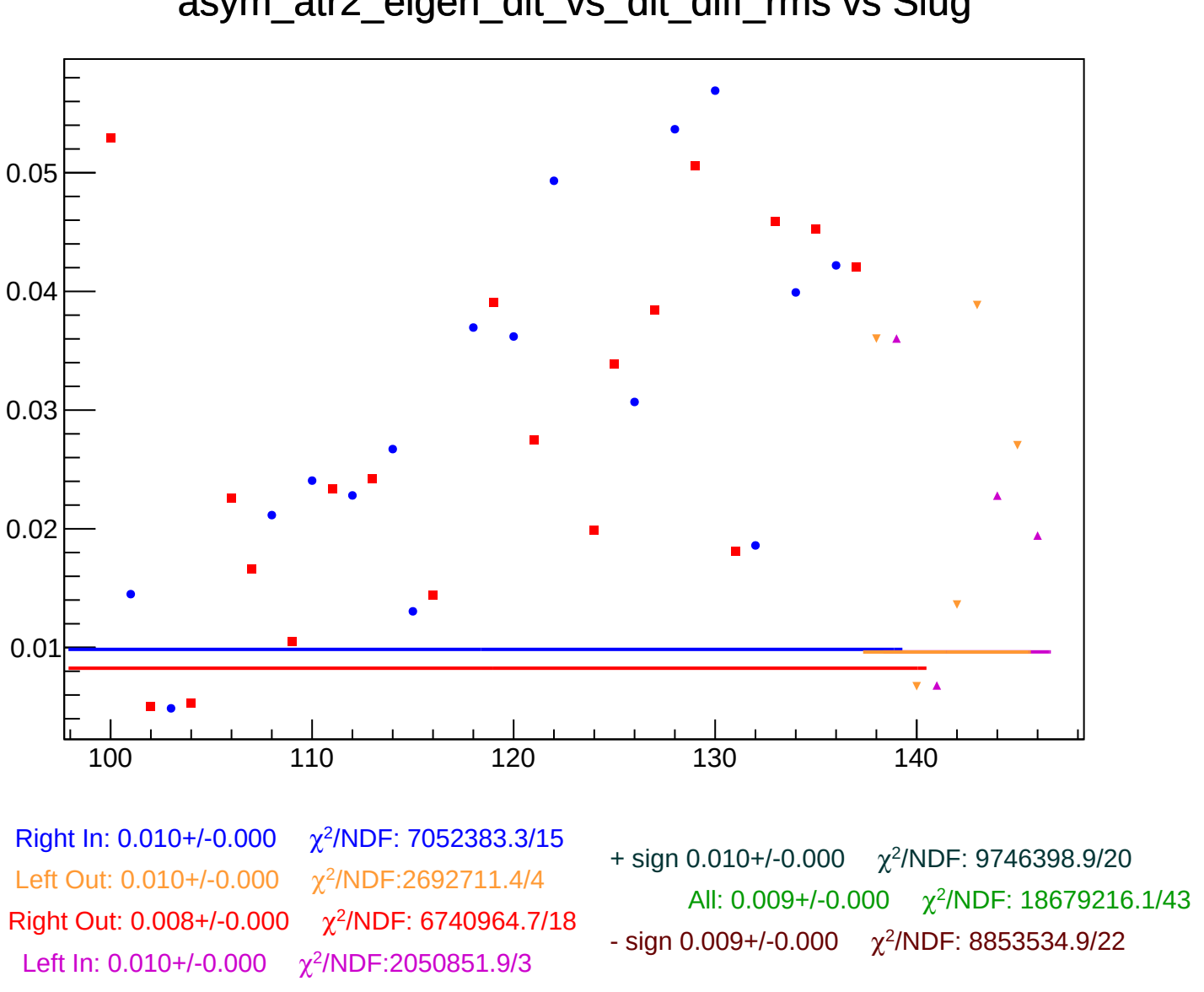
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

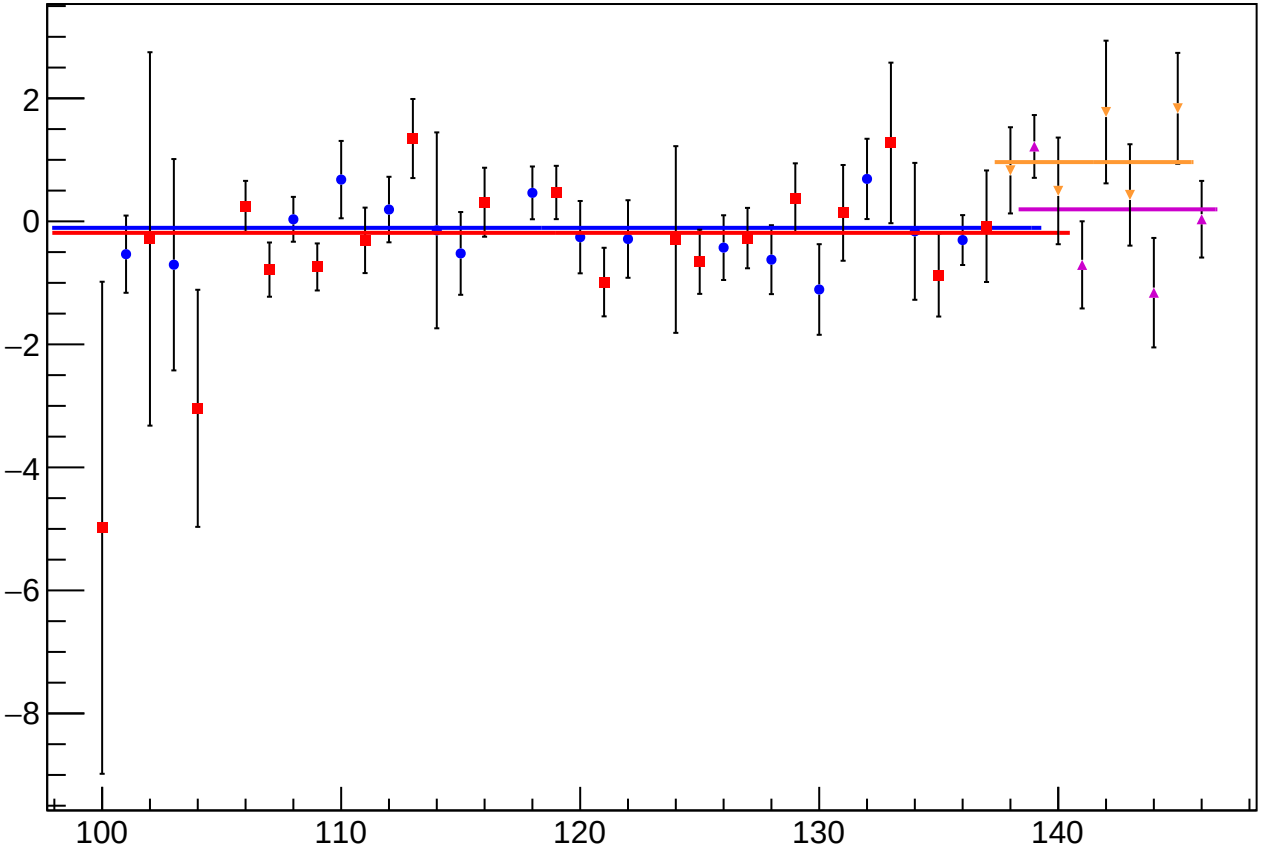
+ sign -0.000+/-0.000 χ^2/NDF: 25.5/20

All: 0.000+/-0.000 χ^2/NDF: 47.6/43

- sign 0.000+/-0.000 χ^2/NDF: 19.8/22


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.010+/-0.000 χ²/NDF:2692711.4/4
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.010+/-0.000 χ²/NDF:2050851.9/3
+ sign 0.010+/-0.000 χ²/NDF: 9746398.9/20
All: 0.009+/-0.000 χ²/NDF: 18679216.1/43
- sign 0.009+/-0.000 χ²/NDF: 8853534.9/22

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.963+/-0.383 χ^2/NDF:2.2/4

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

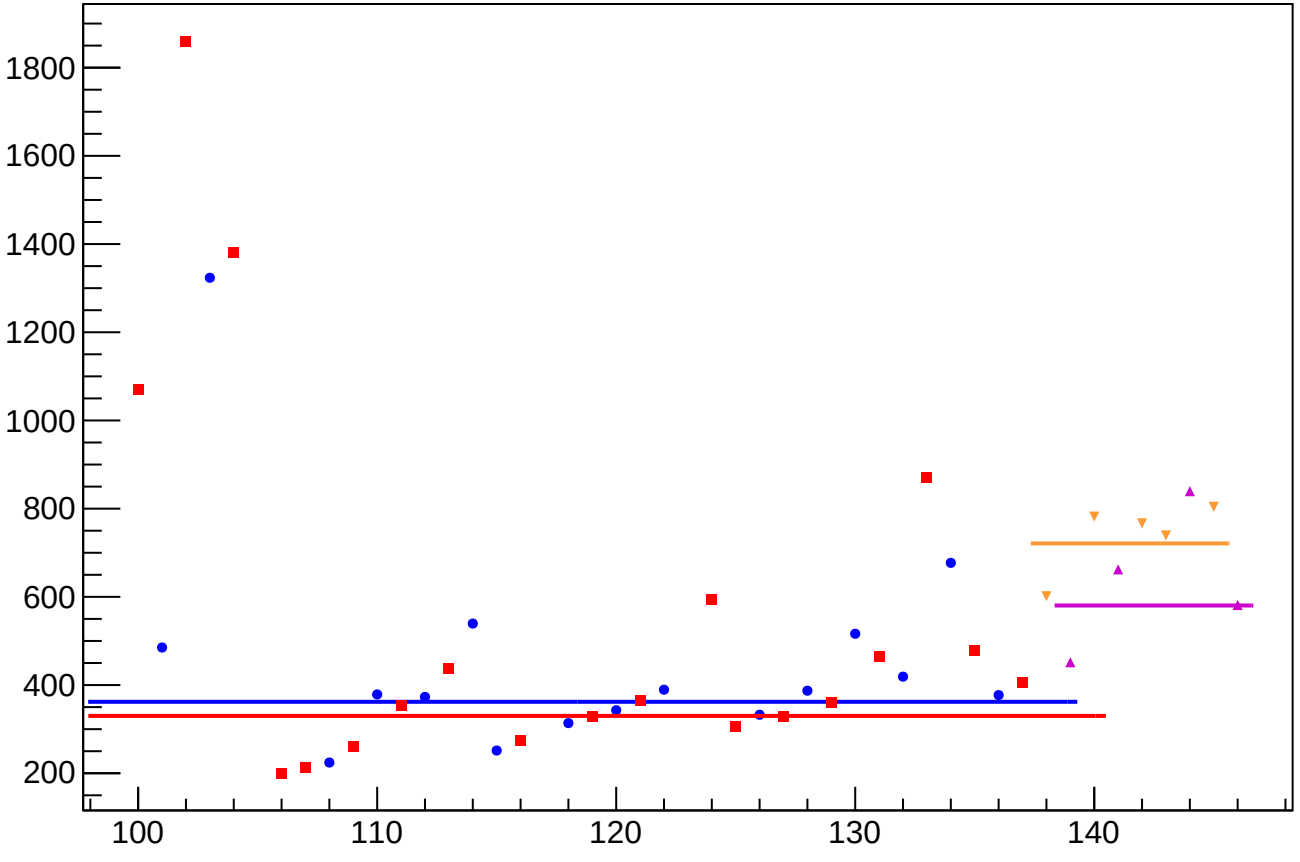
Left In: 0.195+/-0.322 χ^2/NDF:8.0/3

+ sign 0.028+/-0.135 χ^2/NDF: 18.7/20

All: -0.055+/-0.092 χ^2/NDF: 52.5/43

- sign -0.128+/-0.126 χ^2/NDF: 33.1/22

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 721.120+/-0.271 χ^2/NDF:89241.9/4

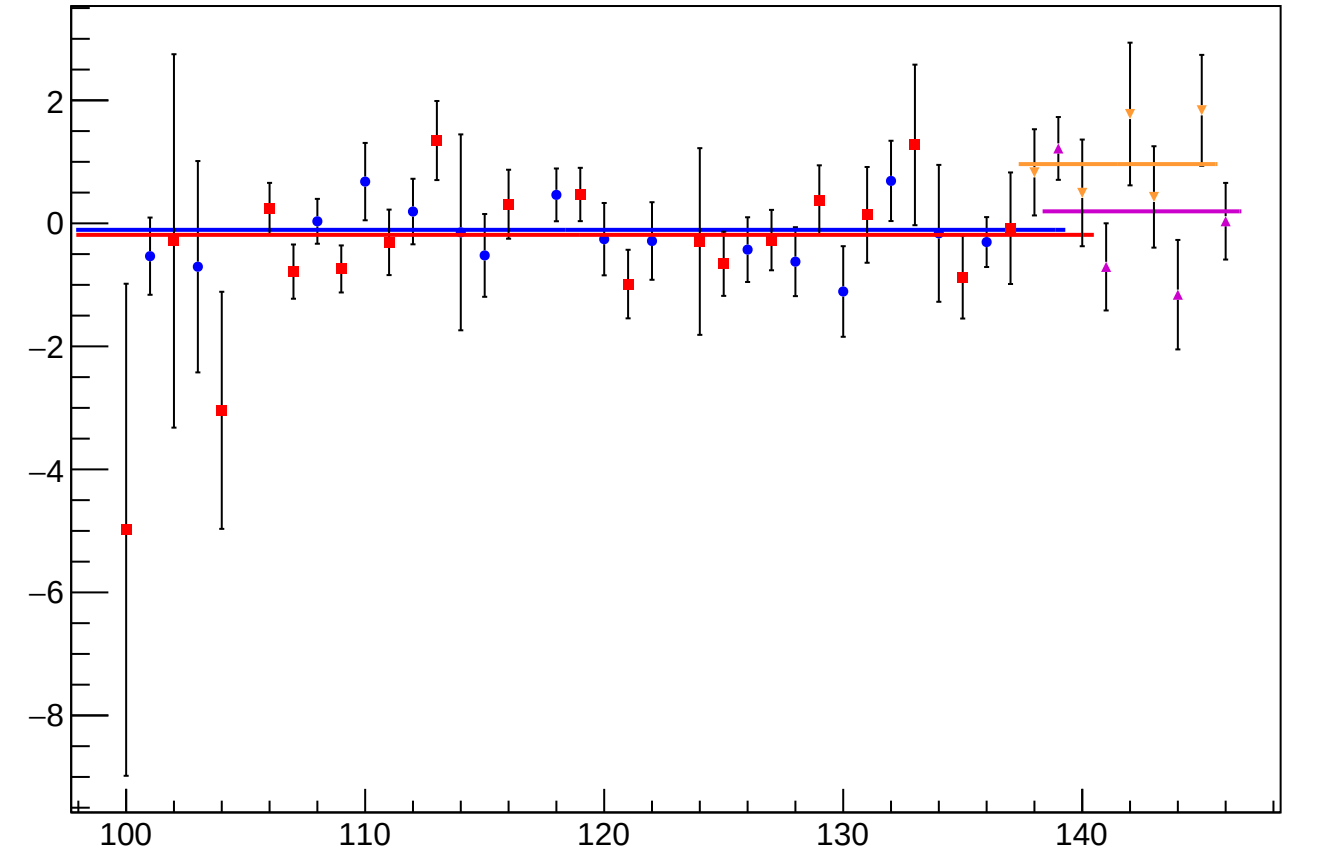
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 580.401+/-0.227 χ^2/NDF:323497.0/3

+ sign 406.857+/-0.096 χ^2/NDF: 3004332.9/20

All: 386.483+/-0.065 χ^2/NDF: 6683763.9/43

- sign 368.727+/-0.089 χ^2/NDF: 3594622.2/22



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.963+/-0.383 χ^2/NDF:2.2/4

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

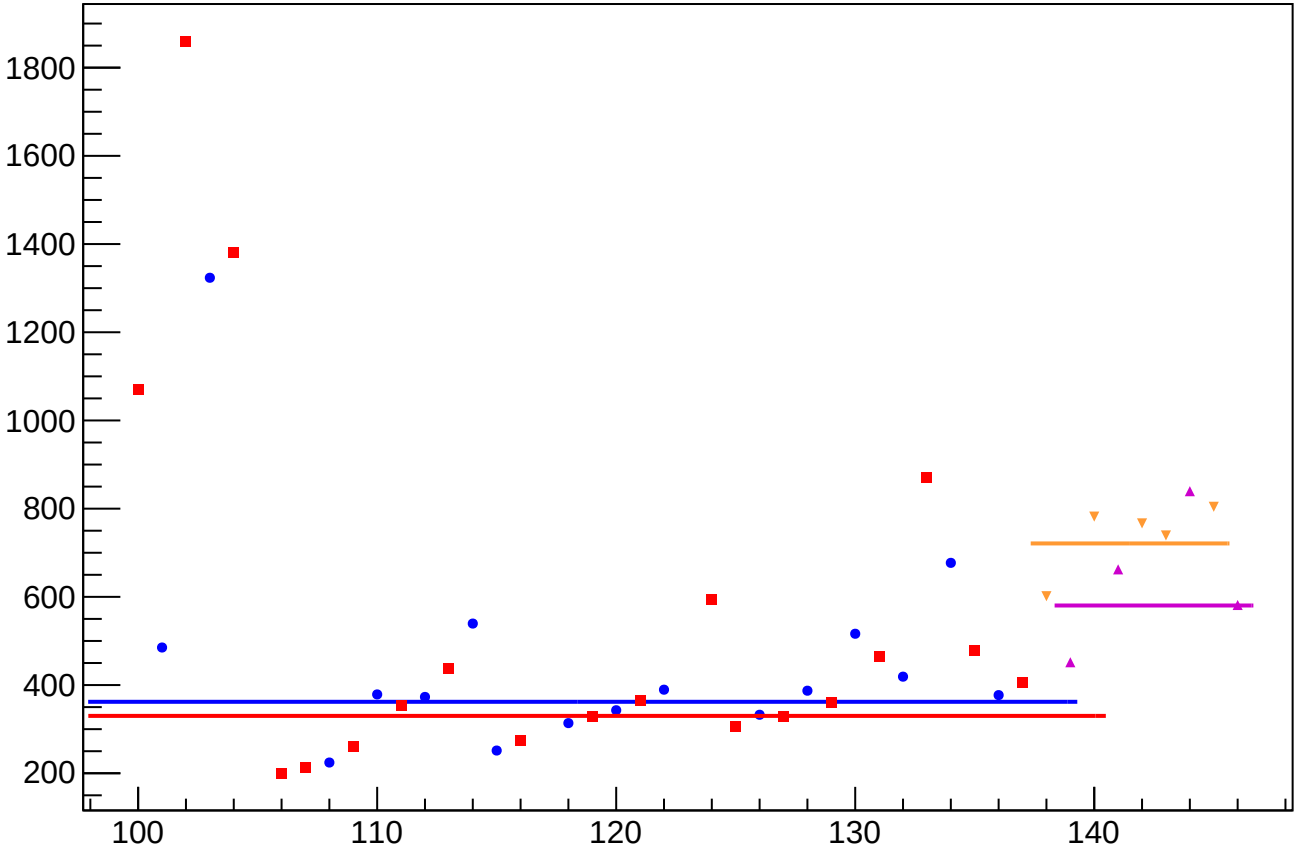
Left In: 0.195+/-0.322 χ^2/NDF:8.0/3

+ sign 0.028+/-0.135 χ^2/NDF: 18.7/20

All: -0.055+/-0.092 χ^2/NDF: 52.5/43

- sign -0.128+/-0.126 χ^2/NDF: 33.1/22

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: 721.120+/-0.271 χ^2/NDF:89241.9/4

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

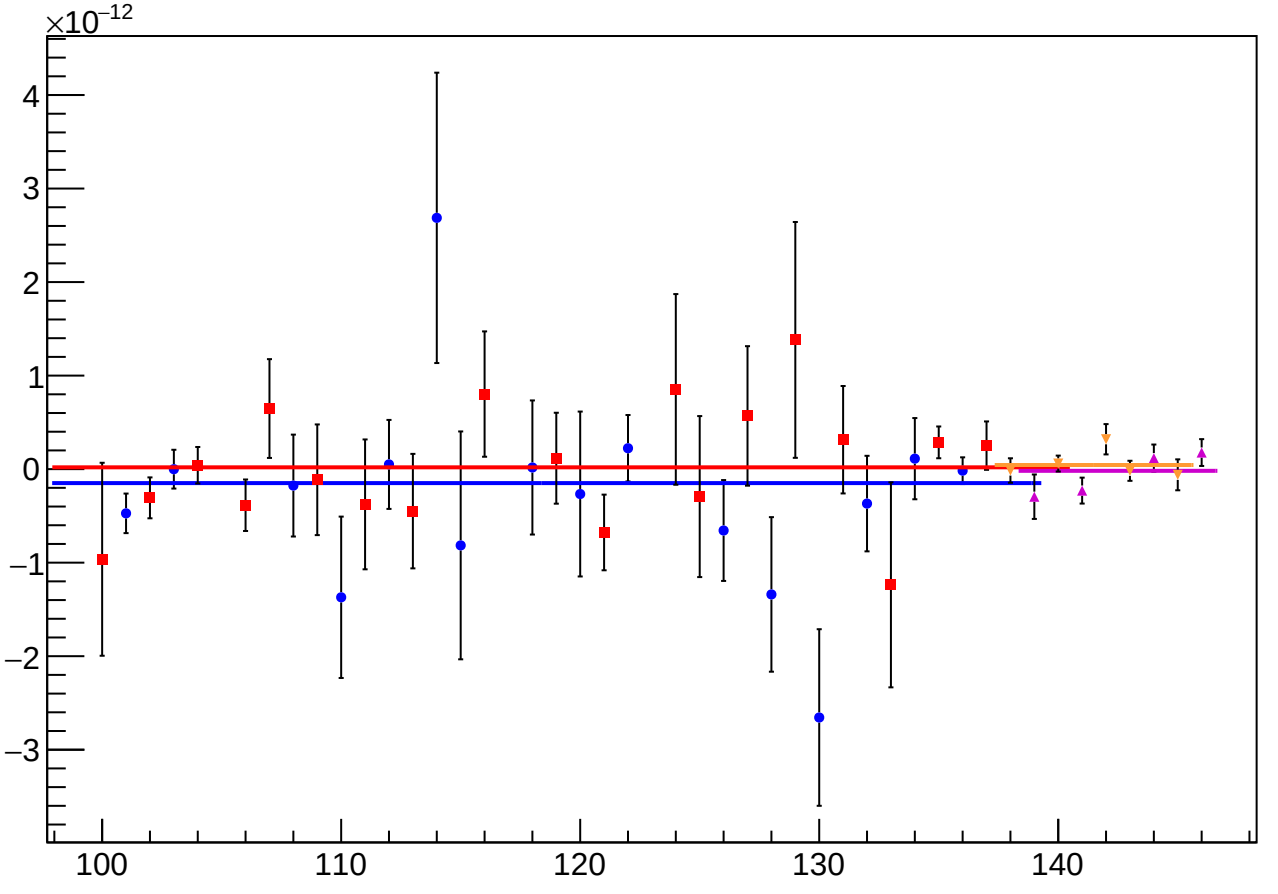
Left In: 580.401+/-0.227 χ^2/NDF:323497.0/3

+ sign 406.857+/-0.096 χ^2/NDF: 3004332.9/20

All: 386.483+/-0.065 χ^2/NDF: 6683763.9/43

- sign 368.727+/-0.089 χ^2/NDF: 3594622.2/22

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:3.9/4

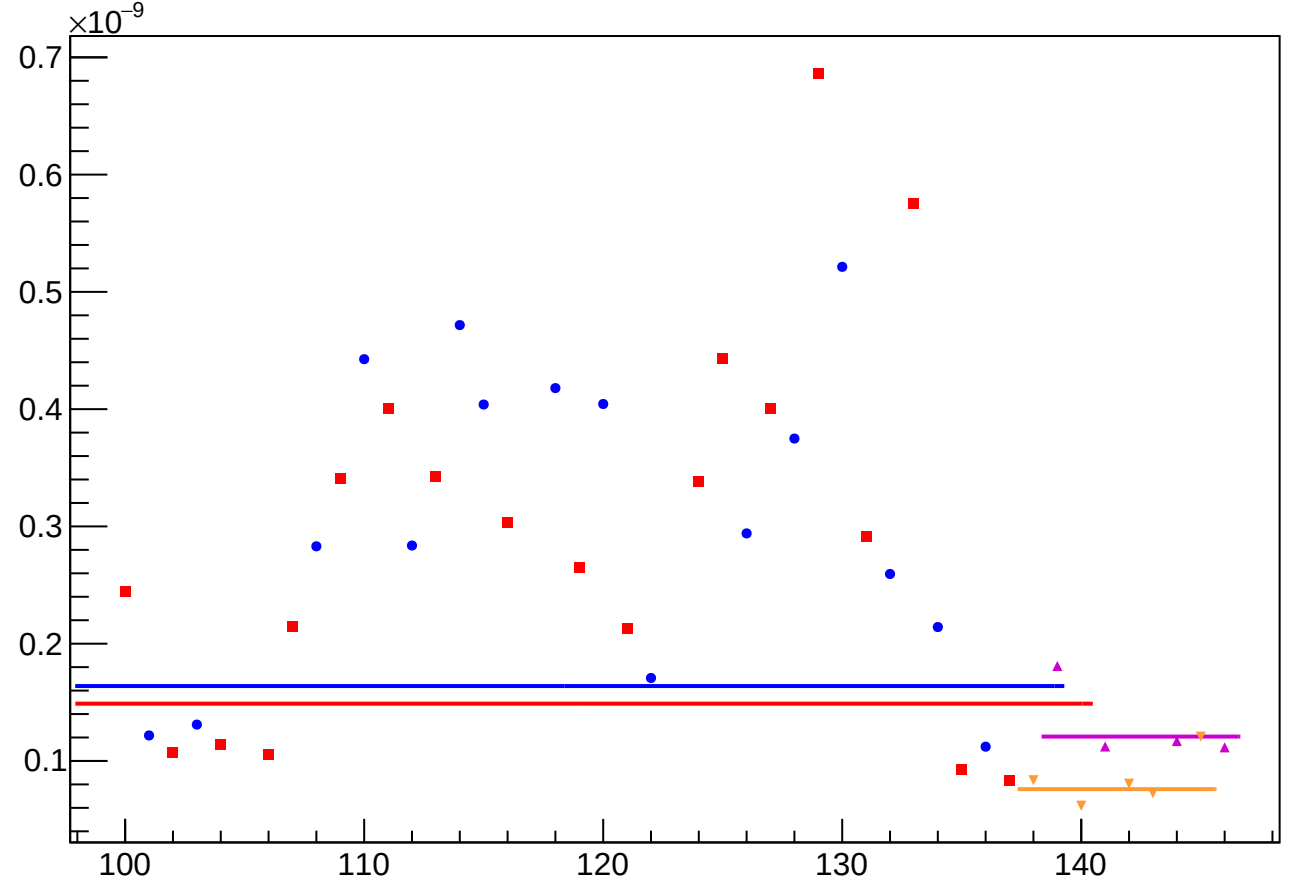
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/20

All: -0.000+/-0.000 χ^2/NDF: 54.7/43

- sign -0.000+/-0.000 χ^2/NDF: 25.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:212248.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

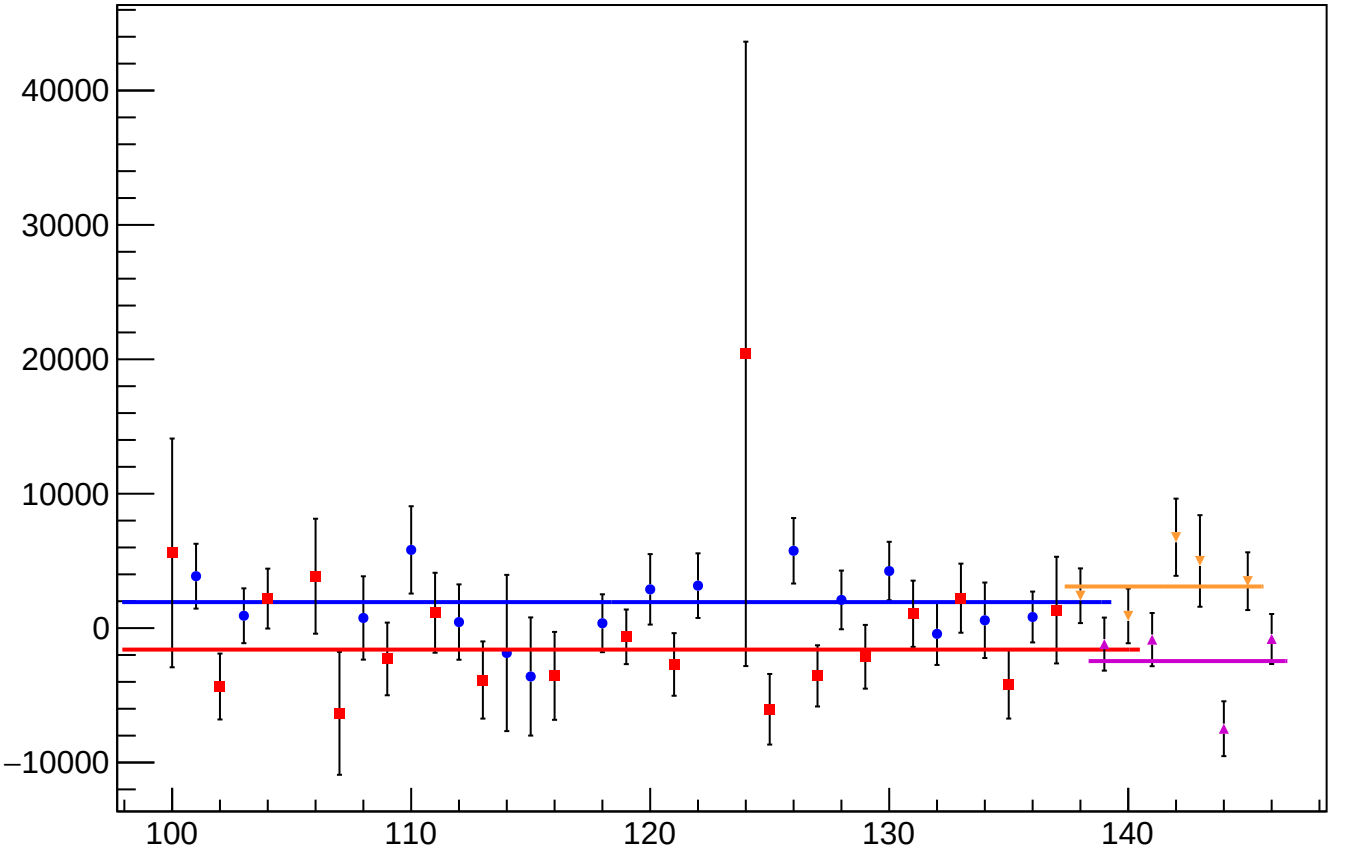
Left In: 0.000+/-0.000 χ^2/NDF:145315.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 3708513.4/20

All: 0.000+/-0.000 χ^2/NDF: 7266120.6/43

- sign 0.000+/-0.000 χ^2/NDF: 3112649.1/22

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 3096.358+/-1049.976 χ^2/NDF:3.2/4

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

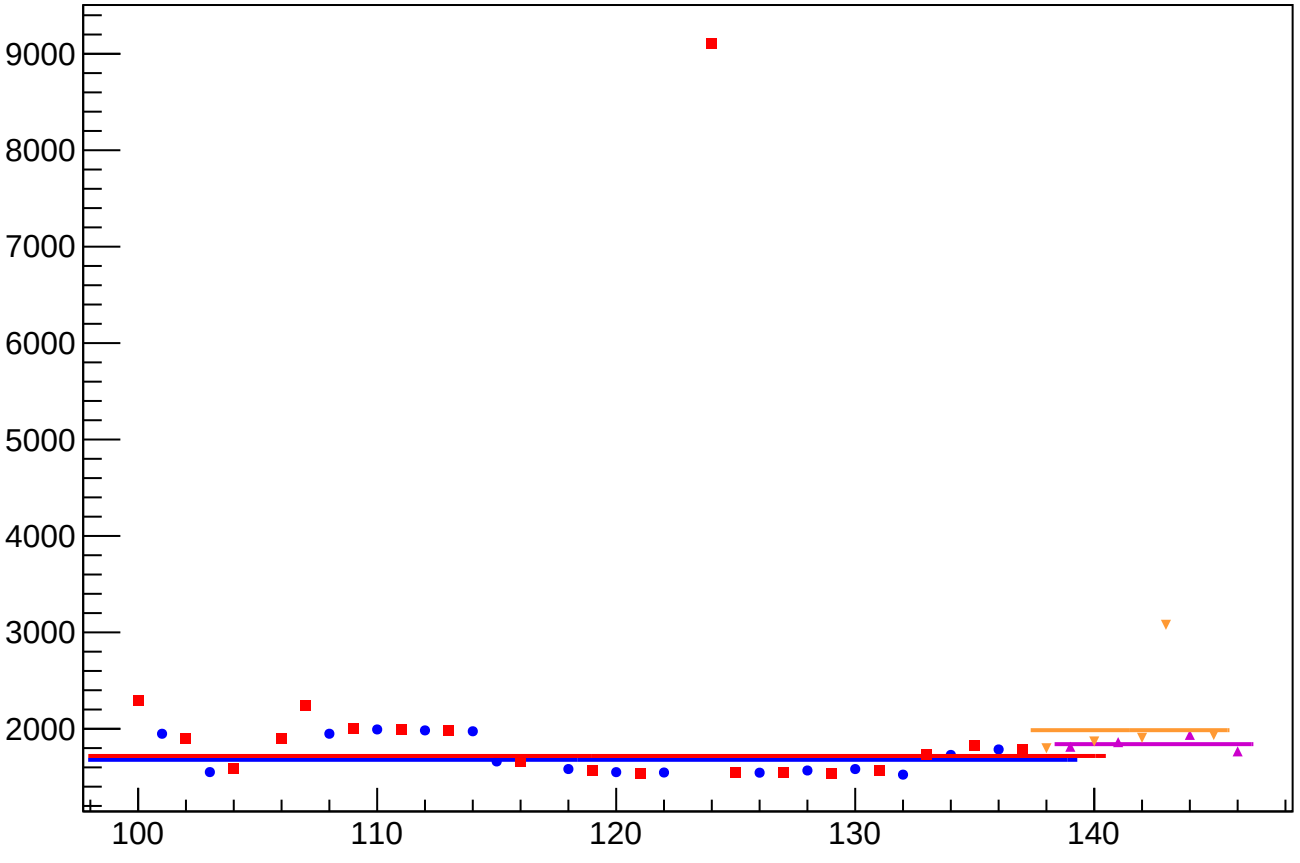
Left In: -2452.763+/-980.121 χ^2/NDF:7.9/3

+ sign 2240.723+/-538.875 χ^2/NDF: 15.0/20

All: 186.499+/-380.437 χ^2/NDF: 71.9/43

- sign -1854.717+/-537.166 χ^2/NDF: 27.8/22

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1985.779+/-0.742 χ^2/NDF:231916.8/4

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

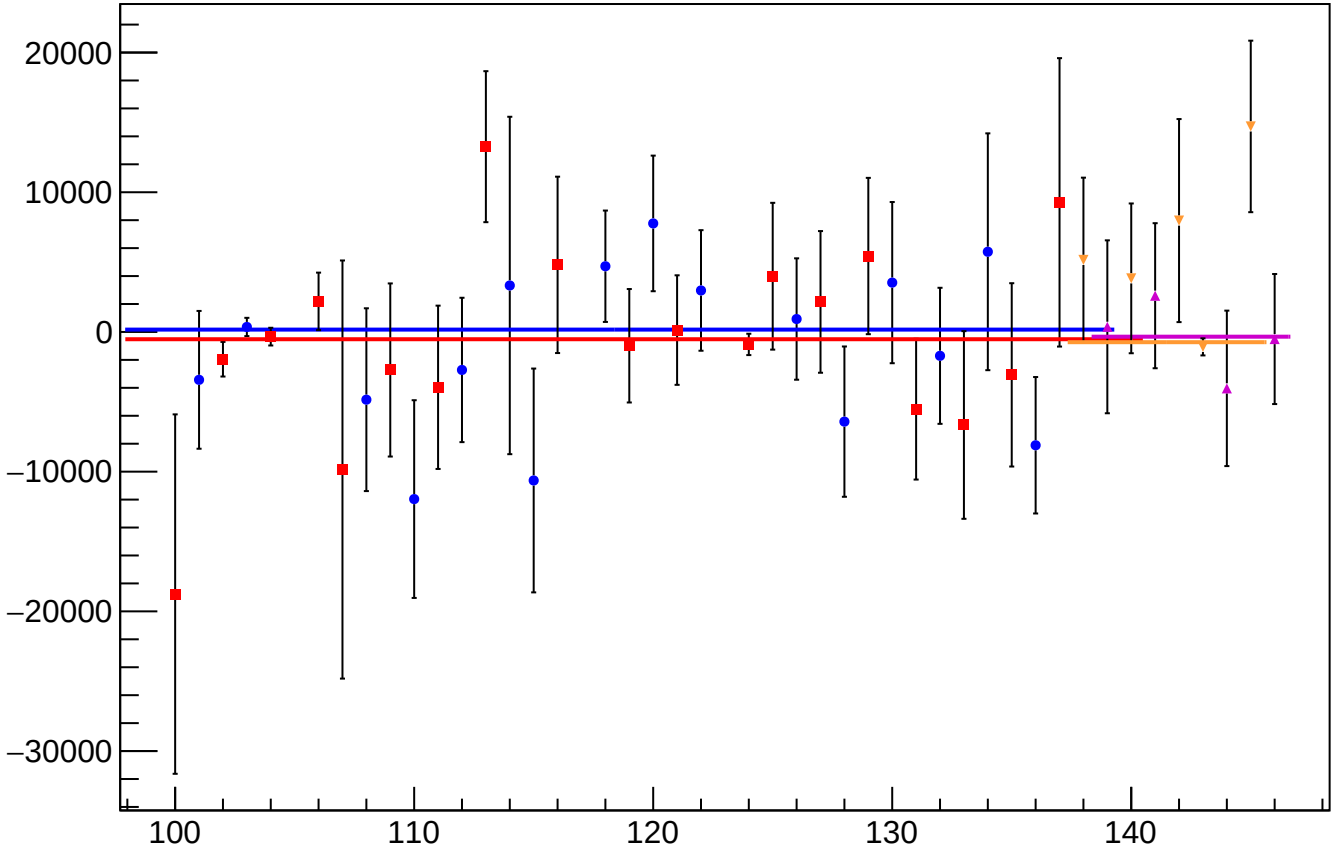
Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

+ sign 1759.469+/-0.381 χ^2/NDF: 499537.7/20

All: 1757.168+/-0.269 χ^2/NDF: 913018.9/43

- sign 1754.897+/-0.379 χ^2/NDF: 413408.8/22

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -732.966+/-598.349 χ^2/NDF:9.8/4

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

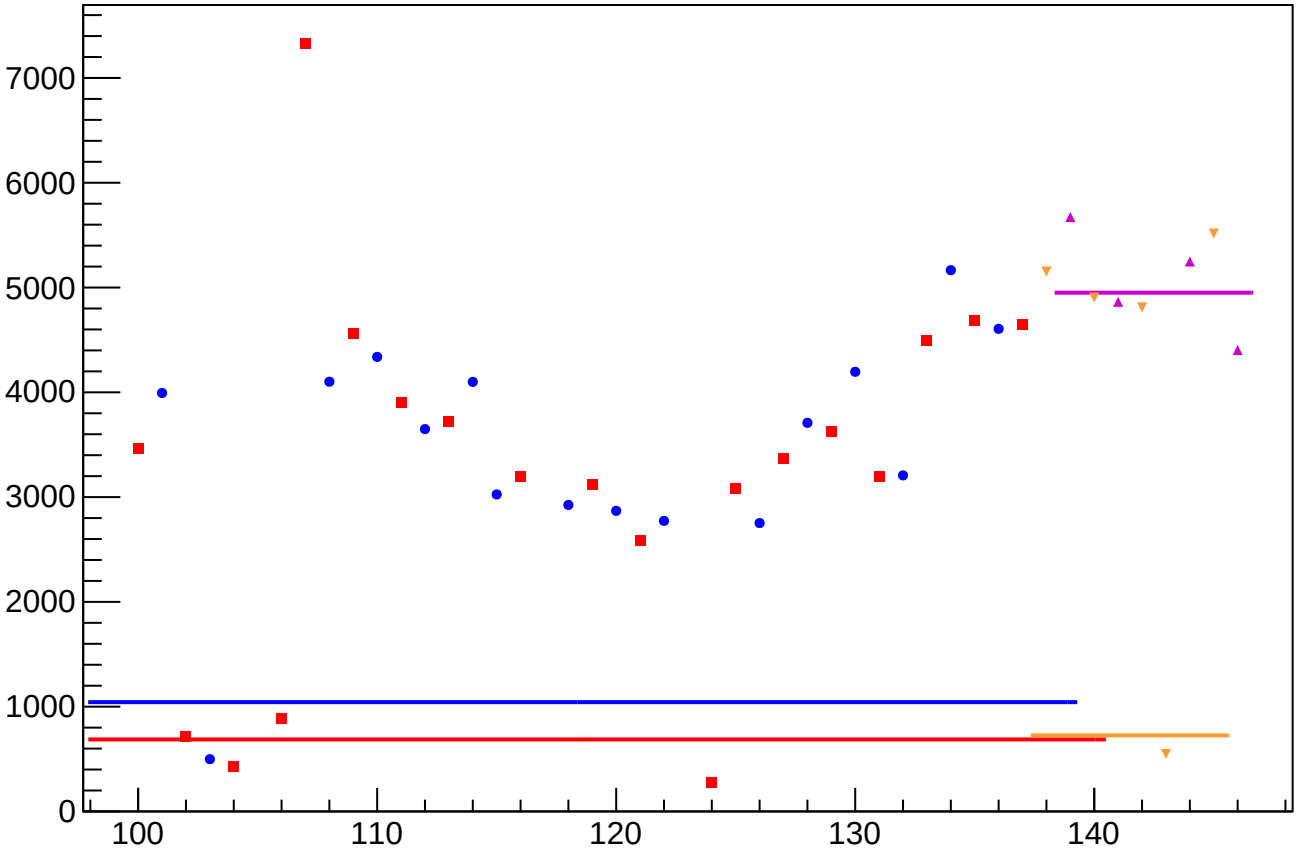
Left In: -339.019+/-2656.747 χ^2/NDF:0.8/3

+ sign -277.236+/-420.693 χ^2/NDF: 26.8/20

All: -397.241+/-297.036 χ^2/NDF: 46.3/43

- sign -516.542+/-419.455 χ^2/NDF: 19.3/22

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 726.084+/-0.423 χ^2/NDF:4364327.6/4

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

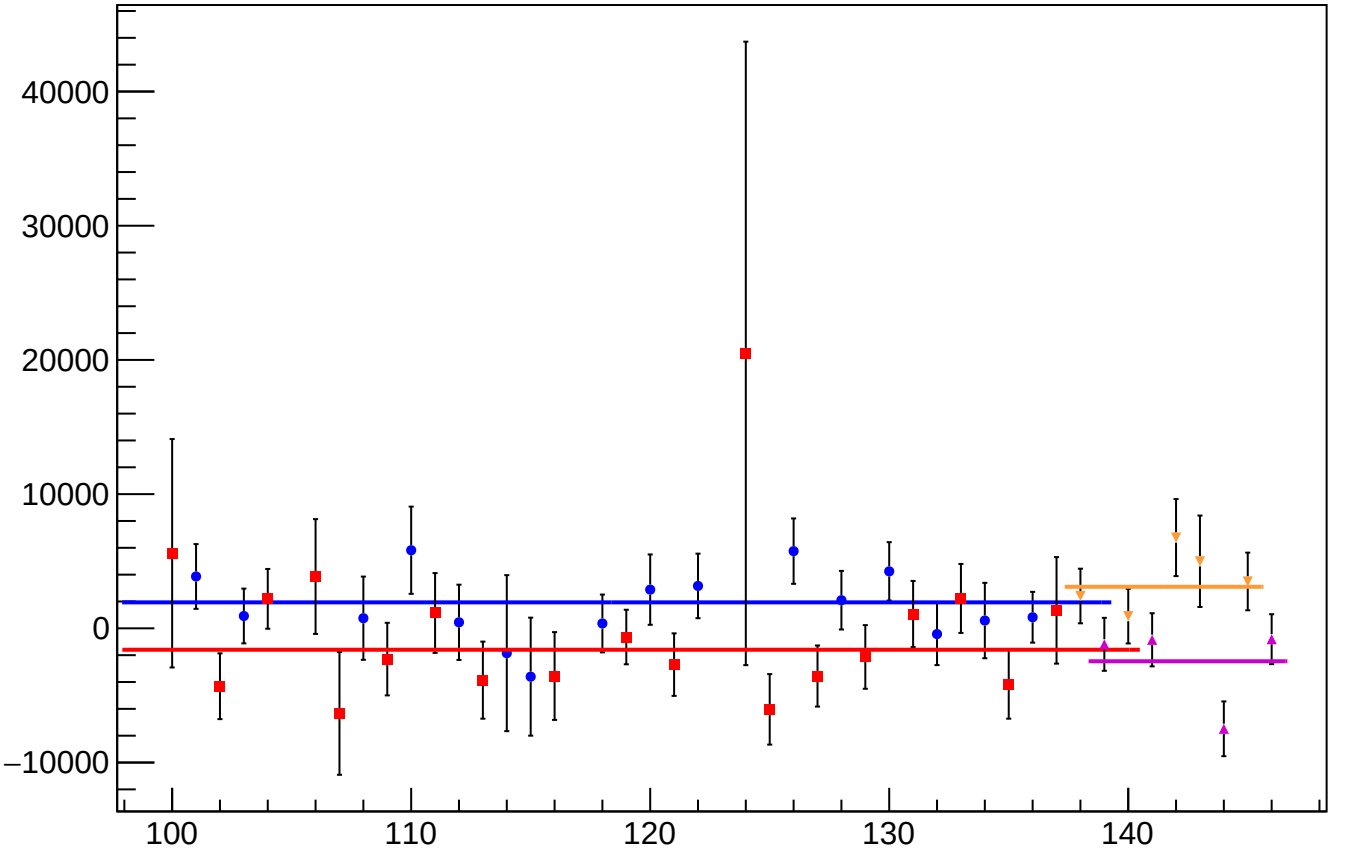
Left In: 4950.964+/-1.879 χ^2/NDF:61180.3/3

+ sign 886.397+/-0.297 χ^2/NDF: 12760142.7/20

All: 839.866+/-0.210 χ^2/NDF: 26524220.8/43

- sign 793.609+/-0.297 χ^2/NDF: 13715288.1/22

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 3096.548+/-1049.976 χ^2/NDF:3.2/4

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

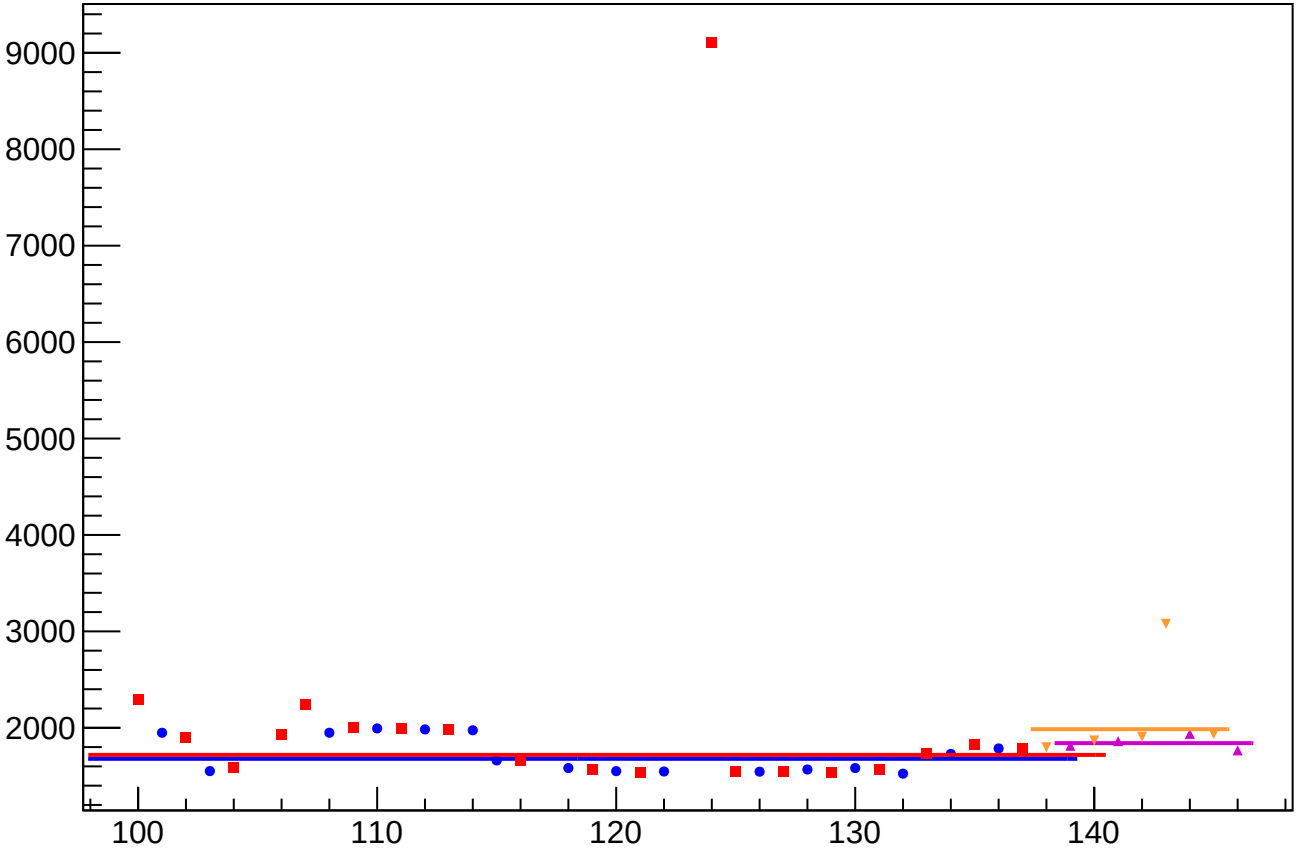
Left In: -2452.895+/-980.121 χ^2/NDF:7.9/3

+ sign 2240.858+/-538.875 χ^2/NDF: 15.0/20

All: 187.412+/-380.438 χ^2/NDF: 71.8/43

- sign -1853.054+/-537.169 χ^2/NDF: 27.8/22

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1985.779+/-0.742 χ^2/NDF:231916.8/4

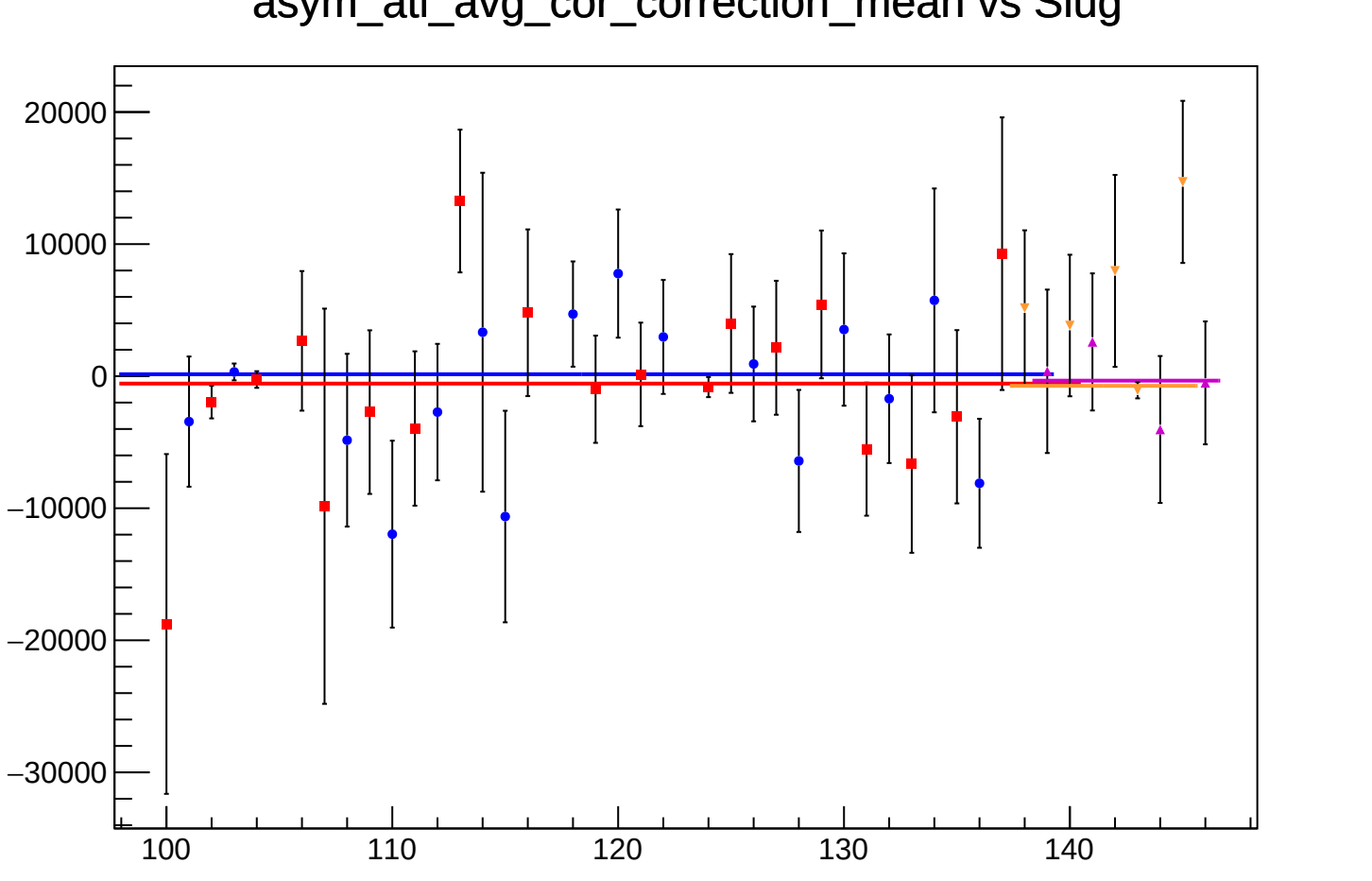
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

+ sign 1759.469+/-0.381 χ^2/NDF: 499537.9/20

All: 1757.476+/-0.269 χ^2/NDF: 914439.9/43

- sign 1755.507+/-0.379 χ^2/NDF: 414847.6/22



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -732.586+/-598.325 χ^2/NDF:9.8/4

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

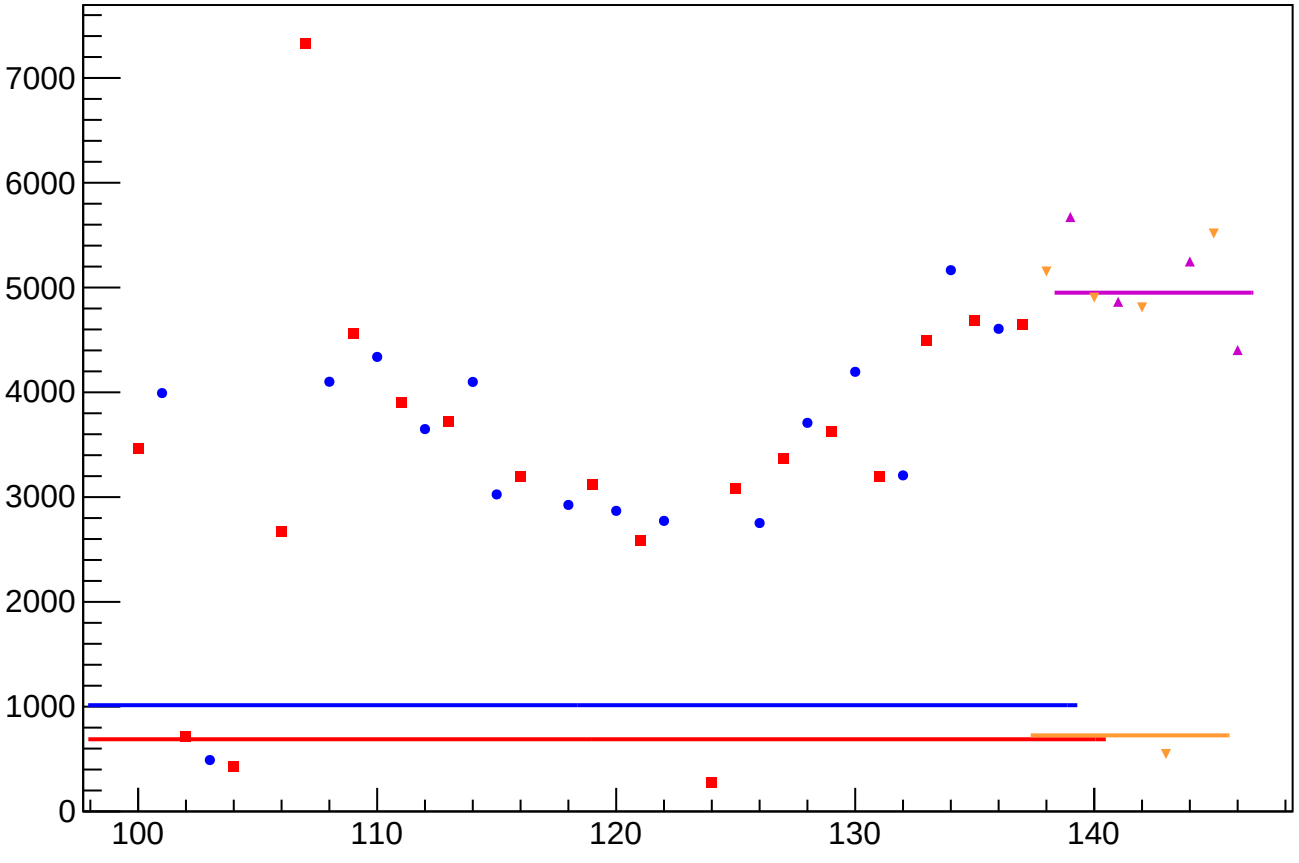
Left In: -339.057+/-2656.742 χ^2/NDF:0.8/3

+ sign -278.862+/-416.211 χ^2/NDF: 26.7/20

All: -414.395+/-297.390 χ^2/NDF: 44.9/43

- sign -555.761+/-425.074 χ^2/NDF: 18.0/22

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 726.050+/-0.423 χ^2/NDF:4364384.9/4

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

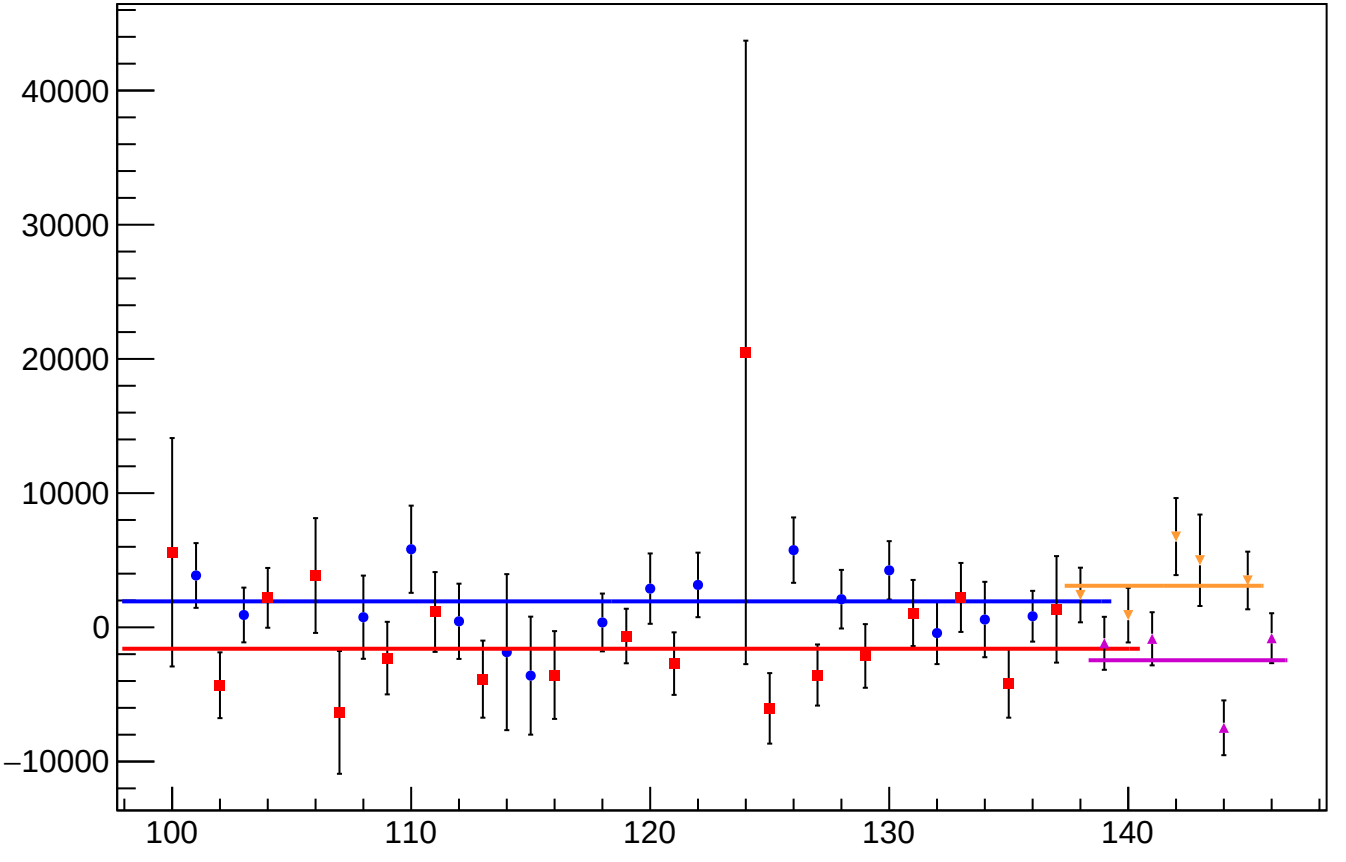
Left In: 4950.954+/-1.879 χ^2/NDF:61182.4/3

+ sign 874.710+/-0.294 χ^2/NDF: 12826630.5/20

All: 837.240+/-0.210 χ^2/NDF: 26846342.0/43

- sign 798.157+/-0.301 χ^2/NDF: 13986594.0/22

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 3096.548+/-1049.976 χ^2/NDF:3.2/4

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

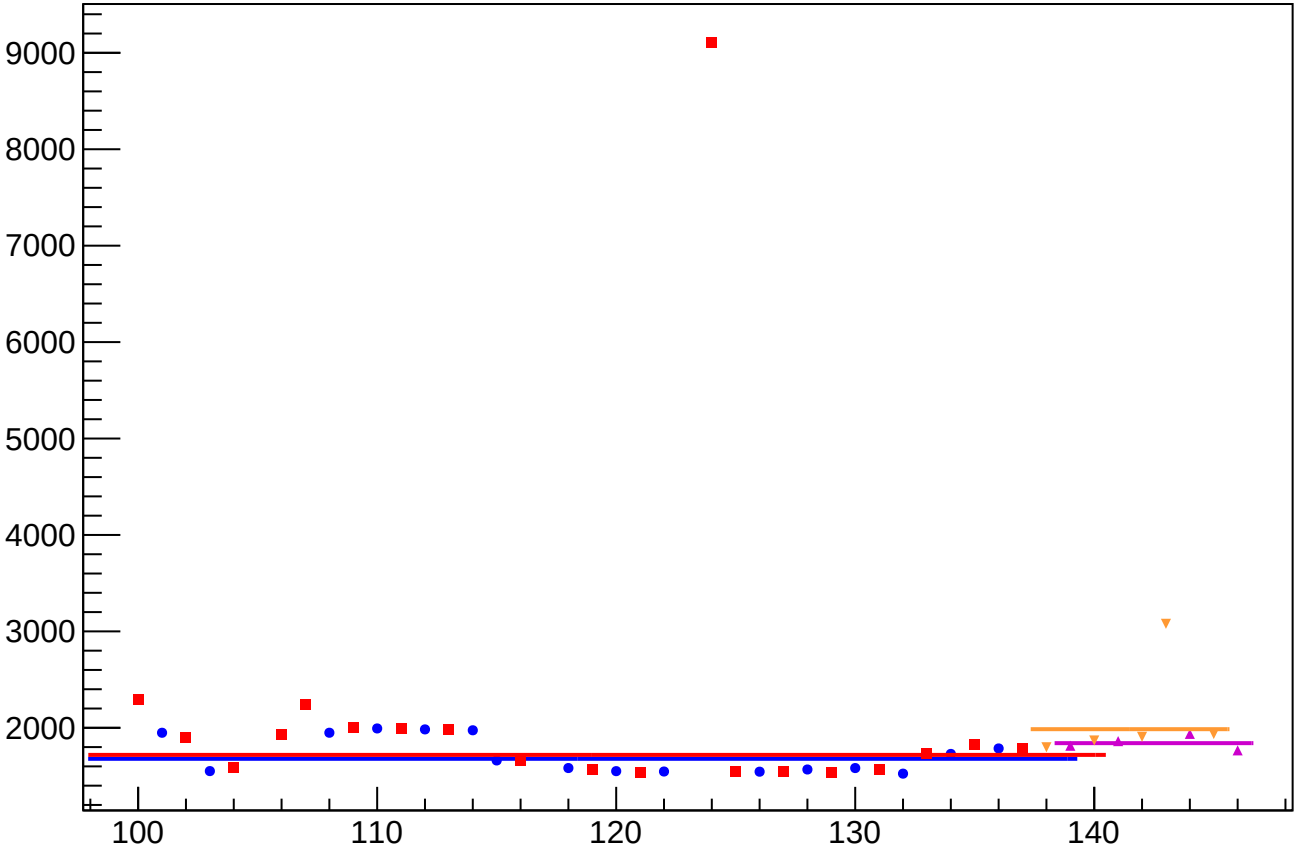
Left In: -2452.895+/-980.121 χ^2/NDF:7.9/3

+ sign 2240.858+/-538.875 χ^2/NDF: 15.0/20

All: 187.412+/-380.438 χ^2/NDF: 71.8/43

- sign -1853.054+/-537.169 χ^2/NDF: 27.8/22

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1985.779+/-0.742 χ^2/NDF:231916.8/4

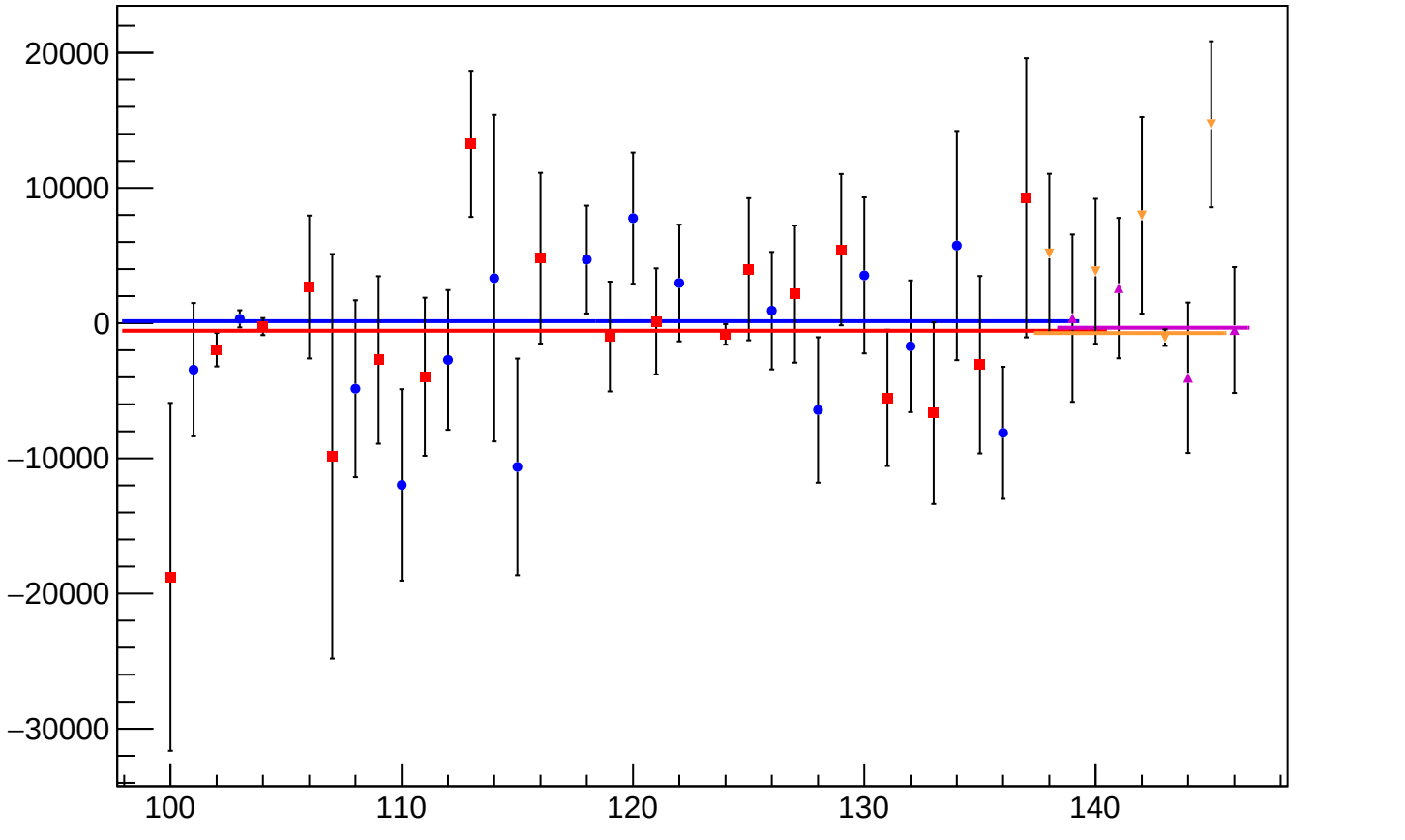
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

+ sign 1759.469+/-0.381 χ^2/NDF: 499537.9/20

All: 1757.476+/-0.269 χ^2/NDF: 914439.9/43

- sign 1755.507+/-0.379 χ^2/NDF: 414847.6/22



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -732.586+/-598.325 χ^2/NDF:9.8/4

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

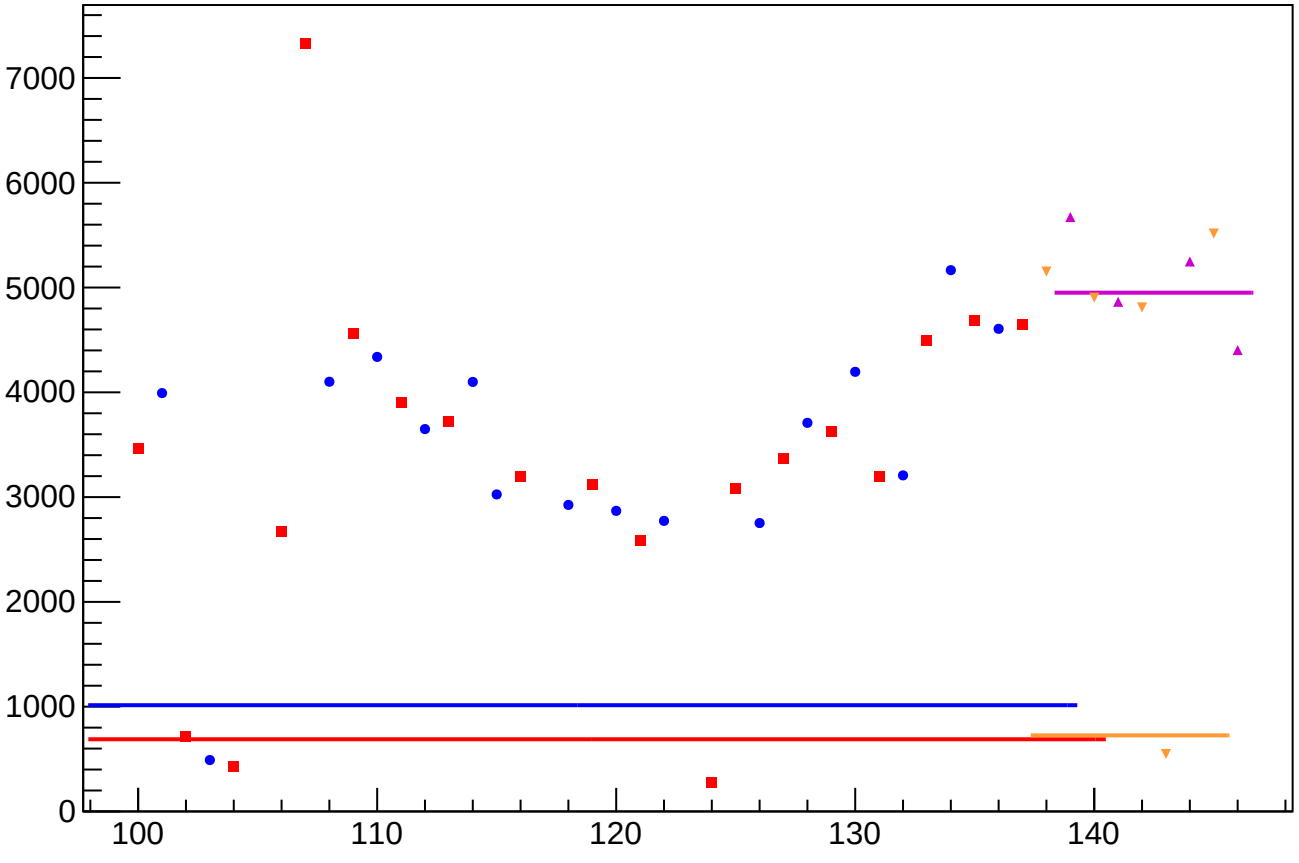
Left In: -339.057+/-2656.742 χ^2/NDF:0.8/3

+ sign -278.862+/-416.211 χ^2/NDF: 26.7/20

All: -414.395+/-297.390 χ^2/NDF: 44.9/43

- sign -555.761+/-425.074 χ^2/NDF: 18.0/22

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 726.050+/-0.423 χ^2/NDF:4364384.9/4

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

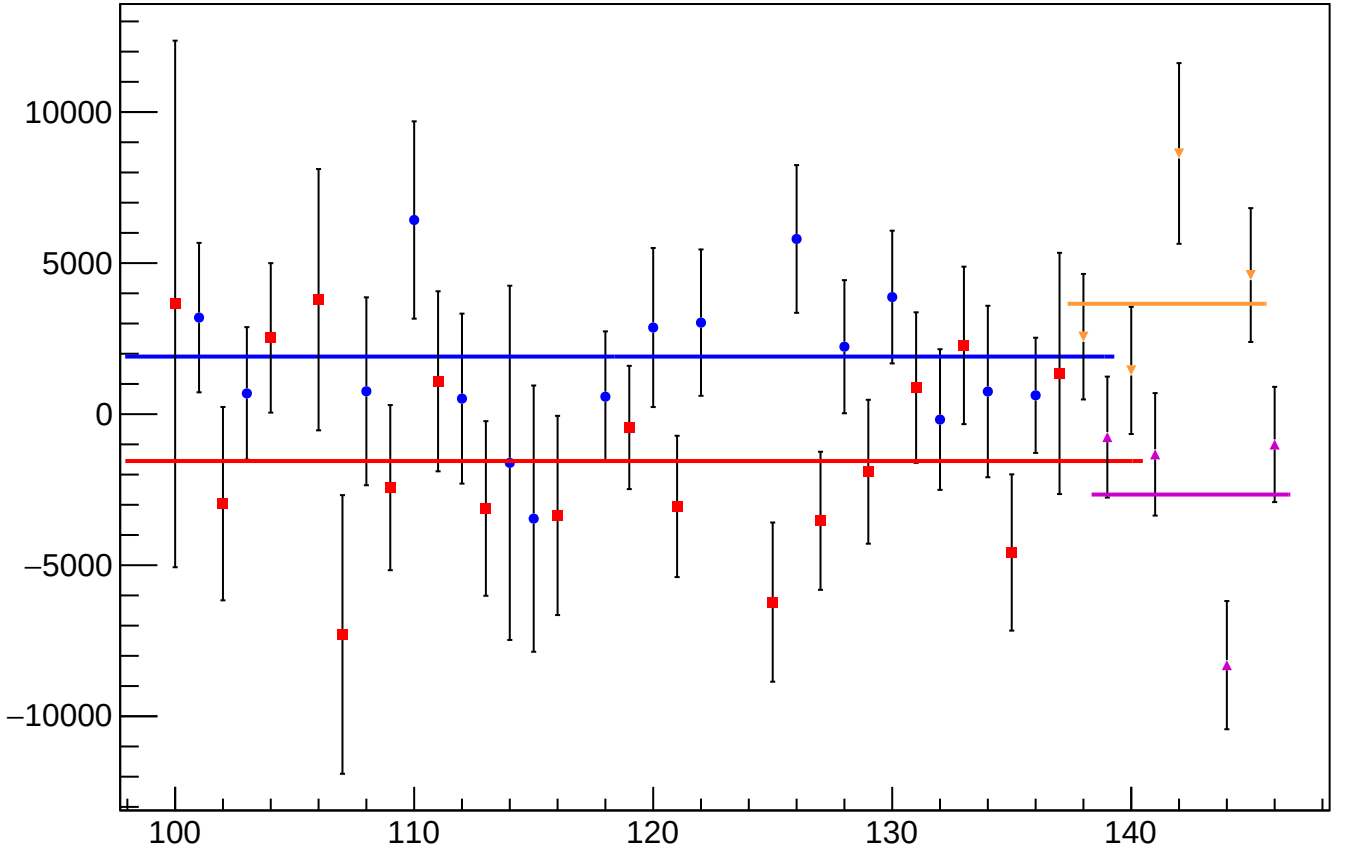
Left In: 4950.954+/-1.879 χ^2/NDF:61182.4/3

+ sign 874.710+/-0.294 χ^2/NDF: 12826630.5/20

All: 837.240+/-0.210 χ^2/NDF: 26846342.0/43

- sign 798.157+/-0.301 χ^2/NDF: 13986594.0/22

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3653.722+/-1137.596 χ^2/NDF:4.3/3

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

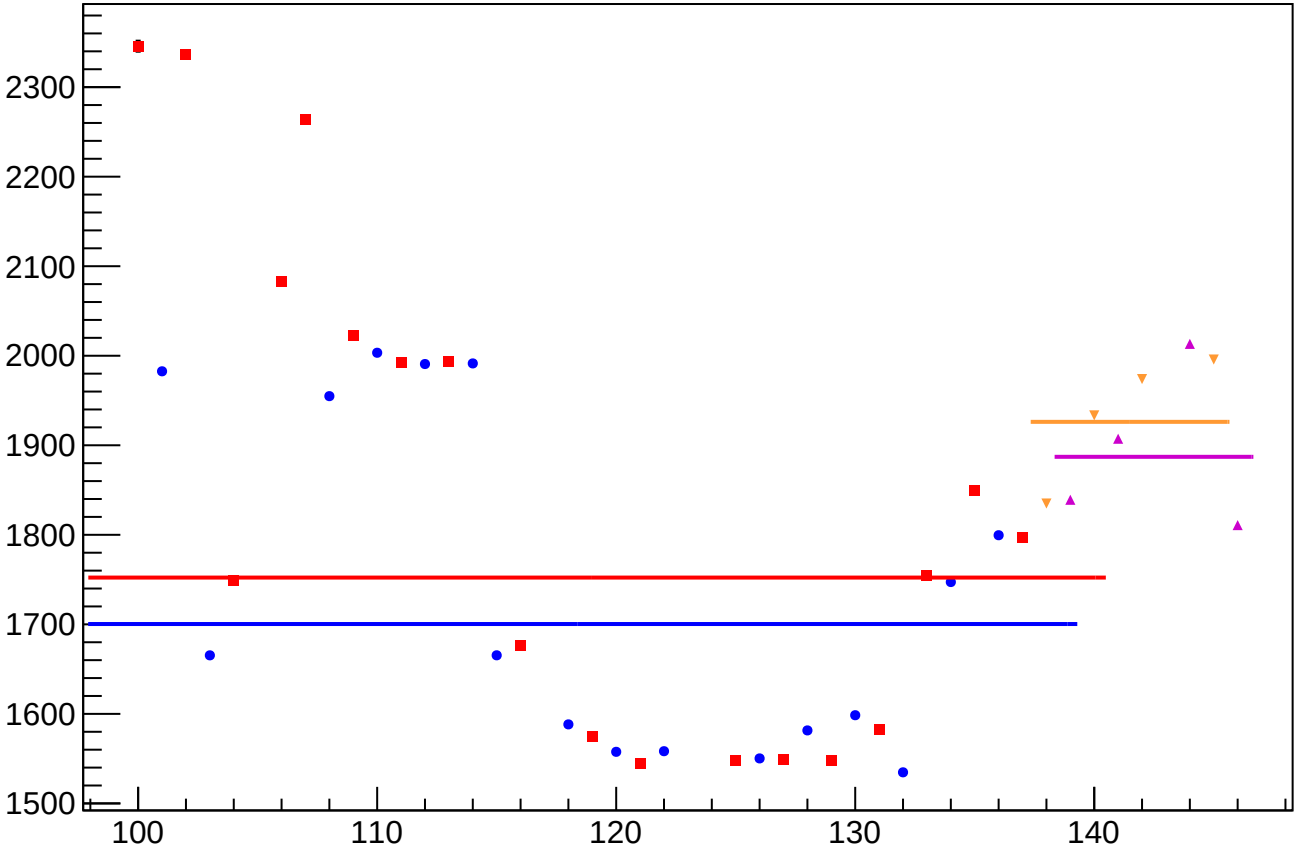
Left In: -2660.906+/-1005.087 χ^2/NDF:9.2/3

+ sign 2322.777+/-555.421 χ^2/NDF: 16.3/19

All: 206.473+/-391.635 χ^2/NDF: 72.7/41

- sign -1886.137+/-552.303 χ^2/NDF: 27.5/21

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1926.174+/-0.804 χ^2/NDF:6364.3/3

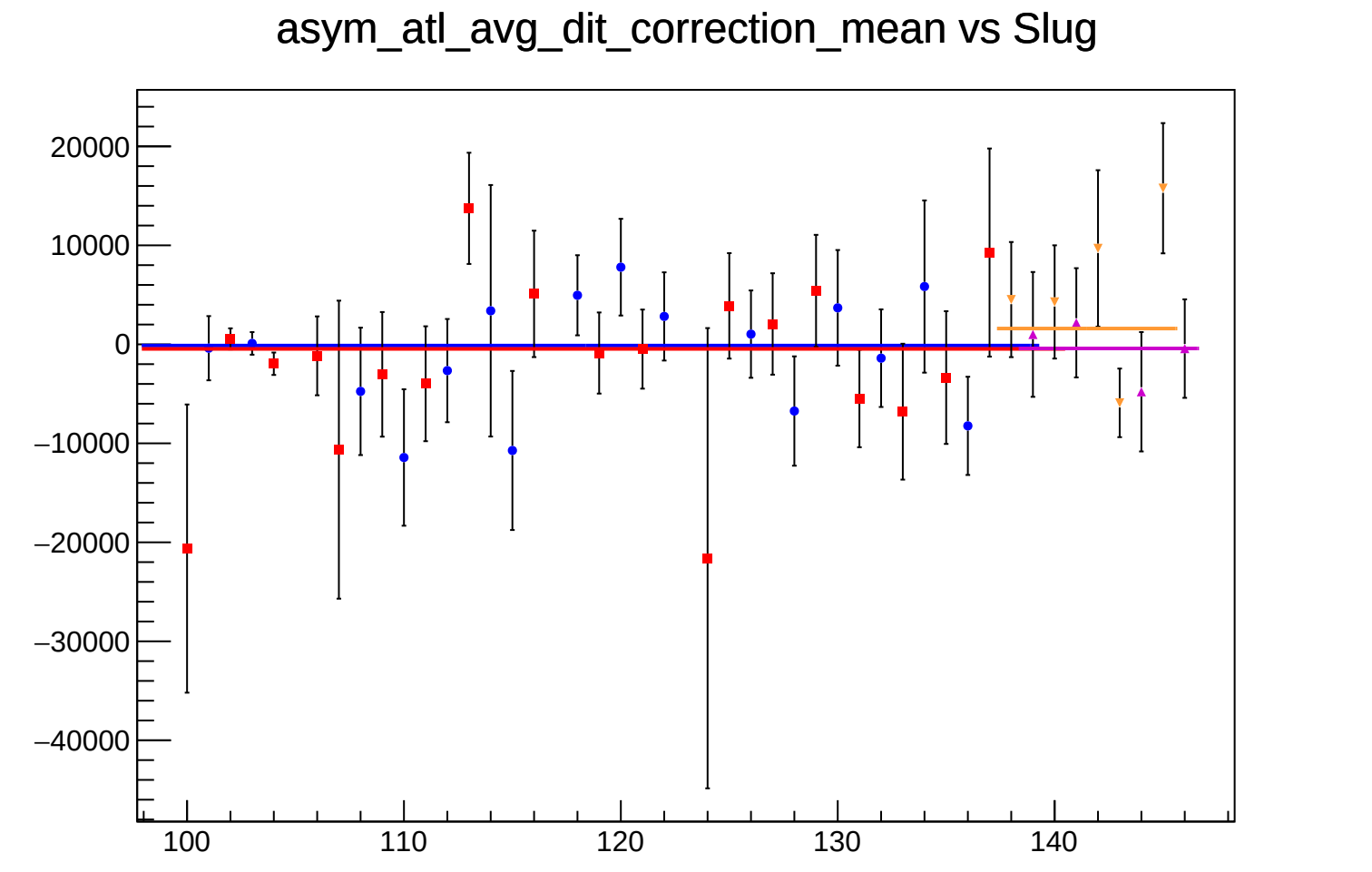
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1887.116+/-0.711 χ^2/NDF:11615.8/3

+ sign 1754.187+/-0.393 χ^2/NDF: 201804.7/19

All: 1773.651+/-0.277 χ^2/NDF: 491425.9/41

- sign 1792.837+/-0.390 χ^2/NDF: 284744.0/21



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 1597.086+/-2340.191 χ^2/NDF:10.9/4

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

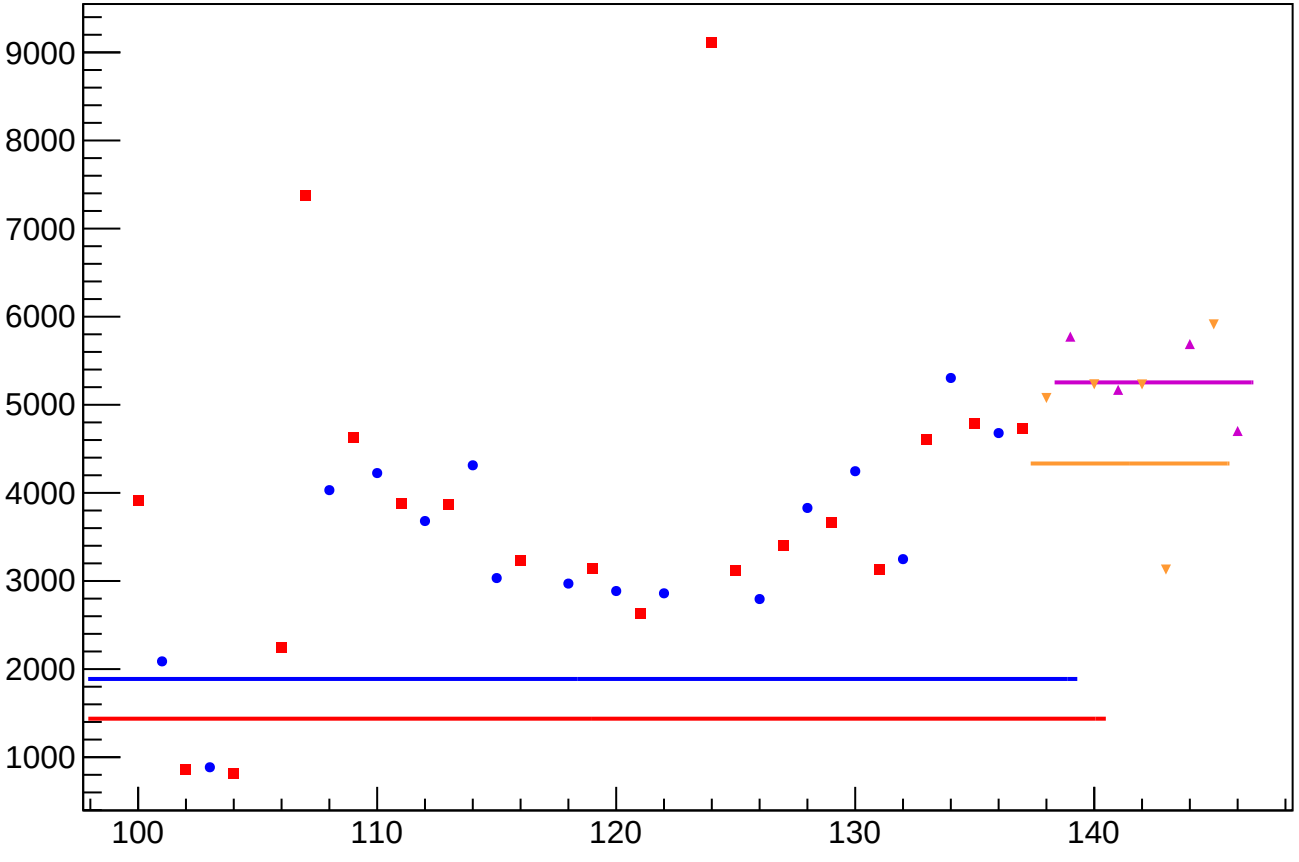
Left In: -416.409+/-2818.067 χ^2/NDF:0.8/3

+ sign 82.702+/-813.530 χ^2/NDF: 26.4/20

All: -242.720+/-512.660 χ^2/NDF: 46.0/43

- sign -457.069+/-660.253 χ^2/NDF: 19.3/22

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4333.588+/-1.655 χ^2/NDF:464603.3/4

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

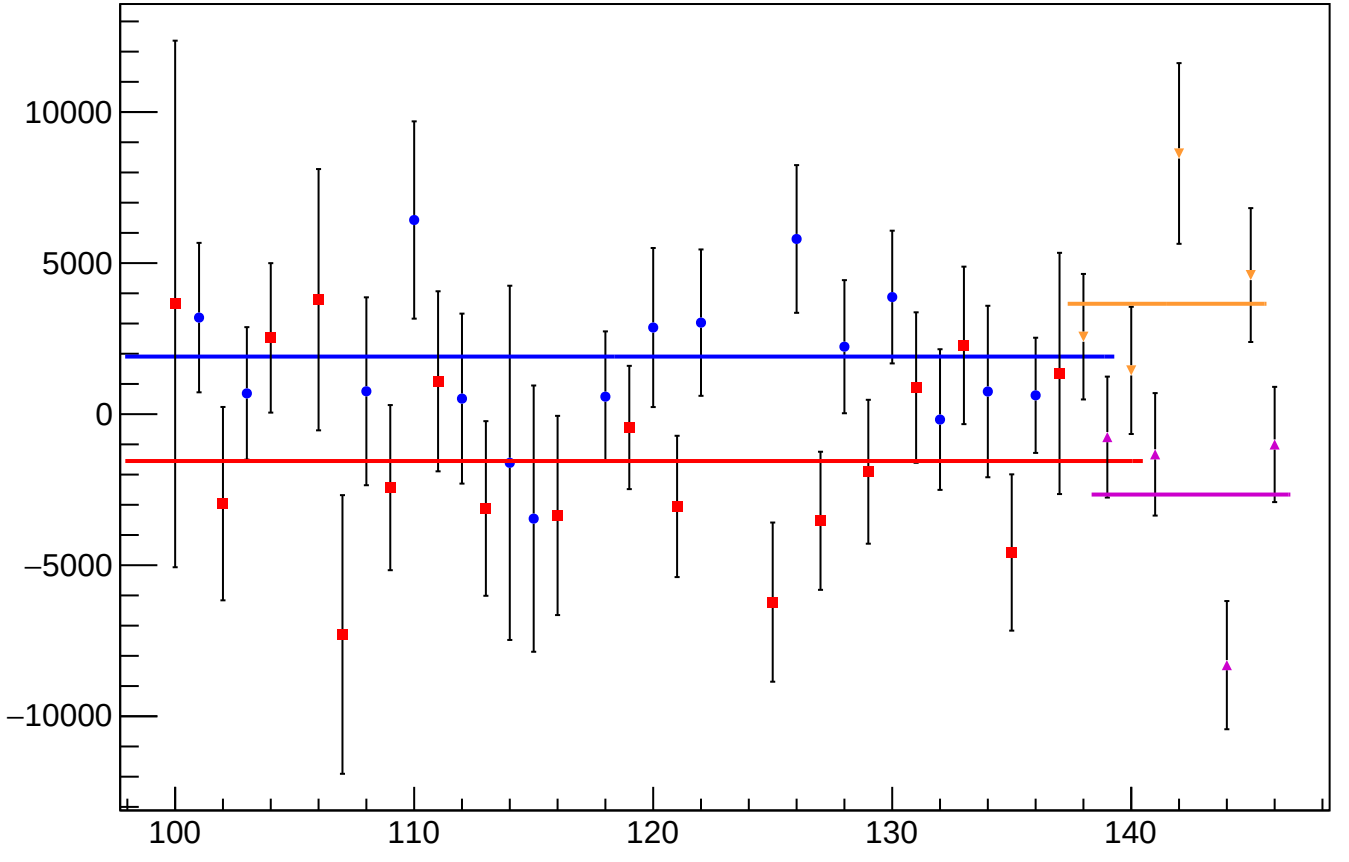
Left In: 5254.211+/-1.993 χ^2/NDF:49030.7/3

+ sign 2183.547+/-0.575 χ^2/NDF: 6810545.1/20

All: 1859.852+/-0.363 χ^2/NDF: 16816935.4/4

- sign 1646.641+/-0.467 χ^2/NDF: 9481199.8/22

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3653.745+/-1137.597 χ^2/NDF:4.3/3

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

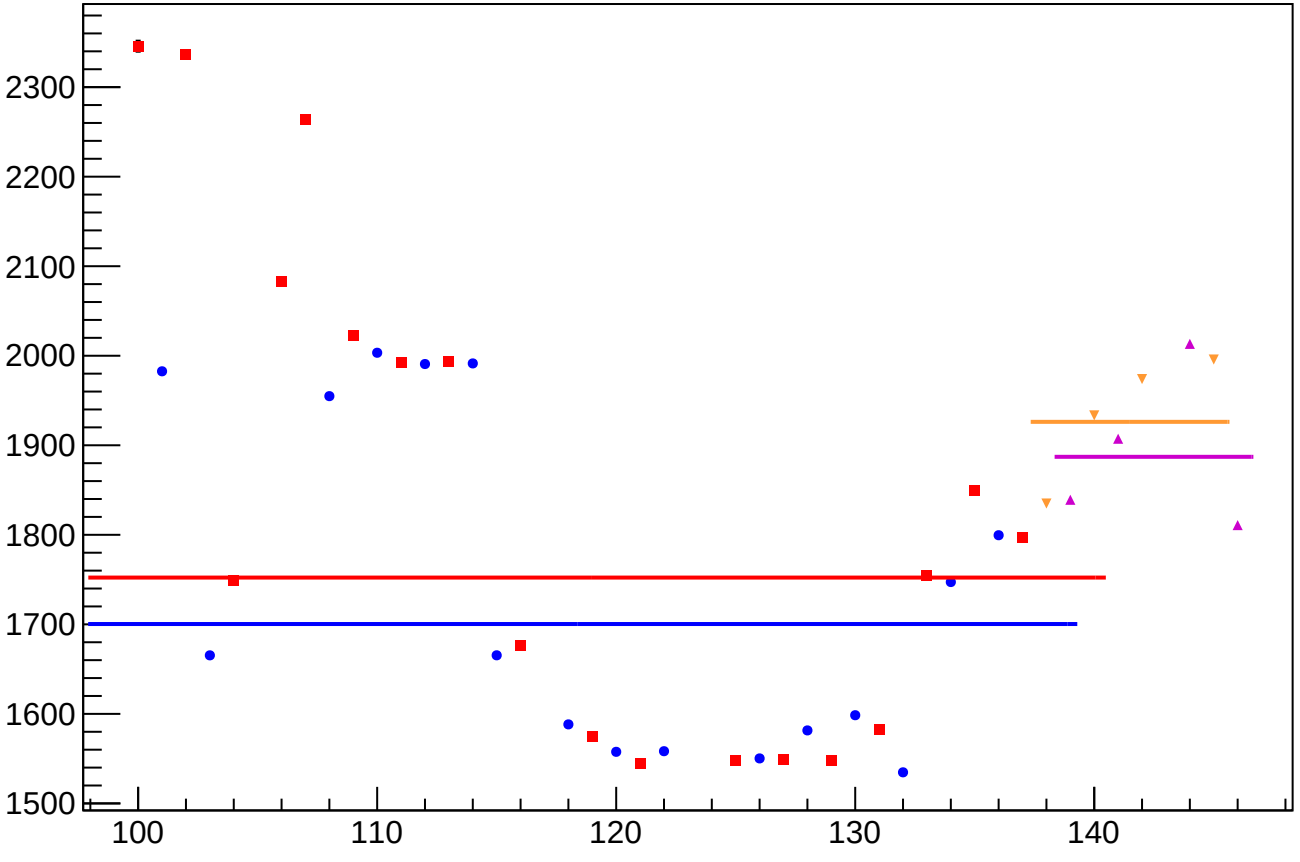
Left In: -2660.908+/-1005.087 χ^2/NDF:9.2/3

+ sign 2322.781+/-555.421 χ^2/NDF: 16.3/19

All: 206.476+/-391.635 χ^2/NDF: 72.7/41

- sign -1886.135+/-552.303 χ^2/NDF: 27.5/21

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1926.175+/-0.804 χ^2/NDF:6364.5/3

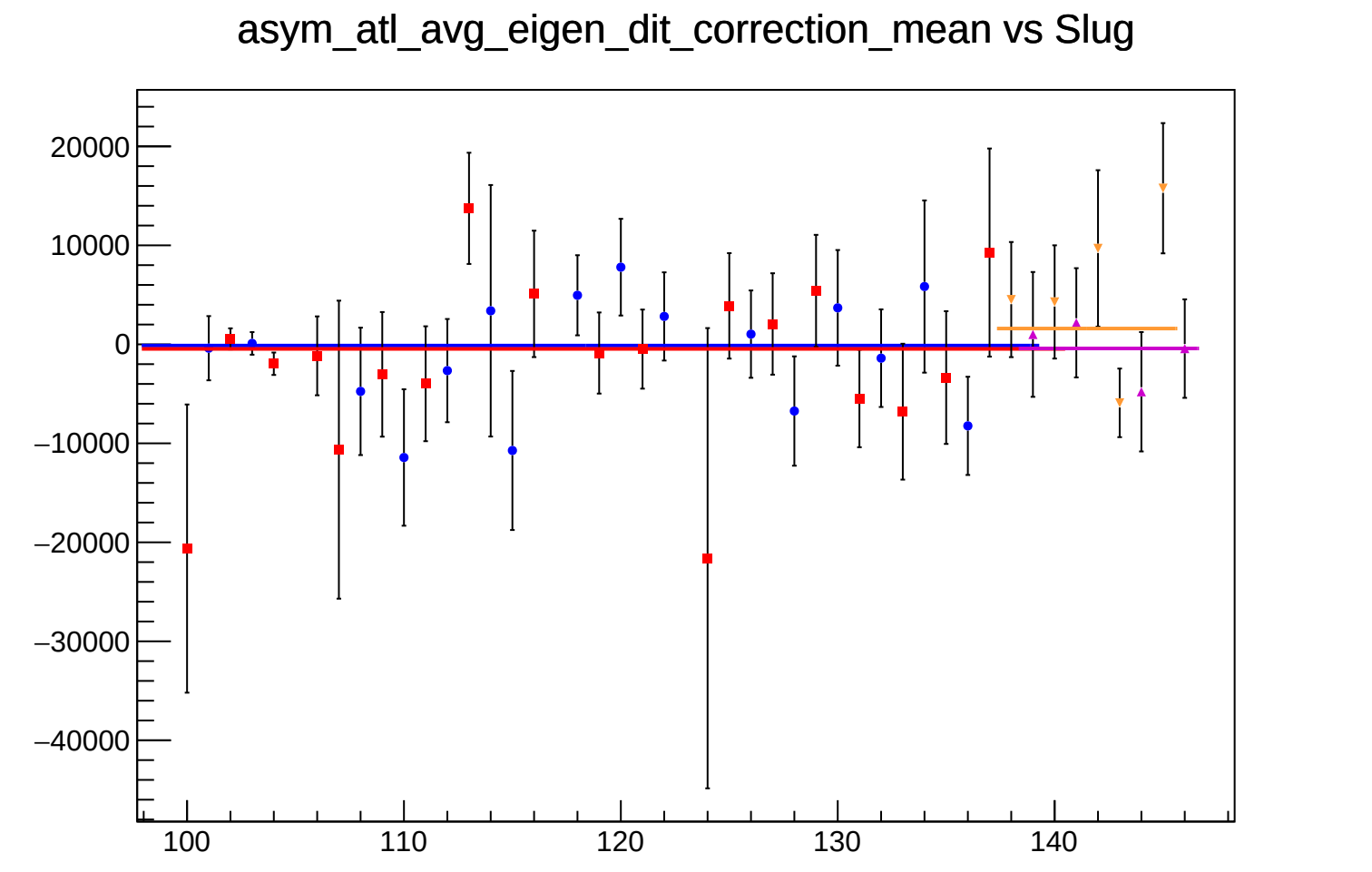
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1887.117+/-0.711 χ^2/NDF:11615.9/3

+ sign 1754.187+/-0.393 χ^2/NDF: 201806.1/19

All: 1773.651+/-0.277 χ^2/NDF: 491427.6/41

- sign 1792.837+/-0.390 χ^2/NDF: 284744.4/21



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 1597.083+/-2340.194 χ^2/NDF:10.9/4

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

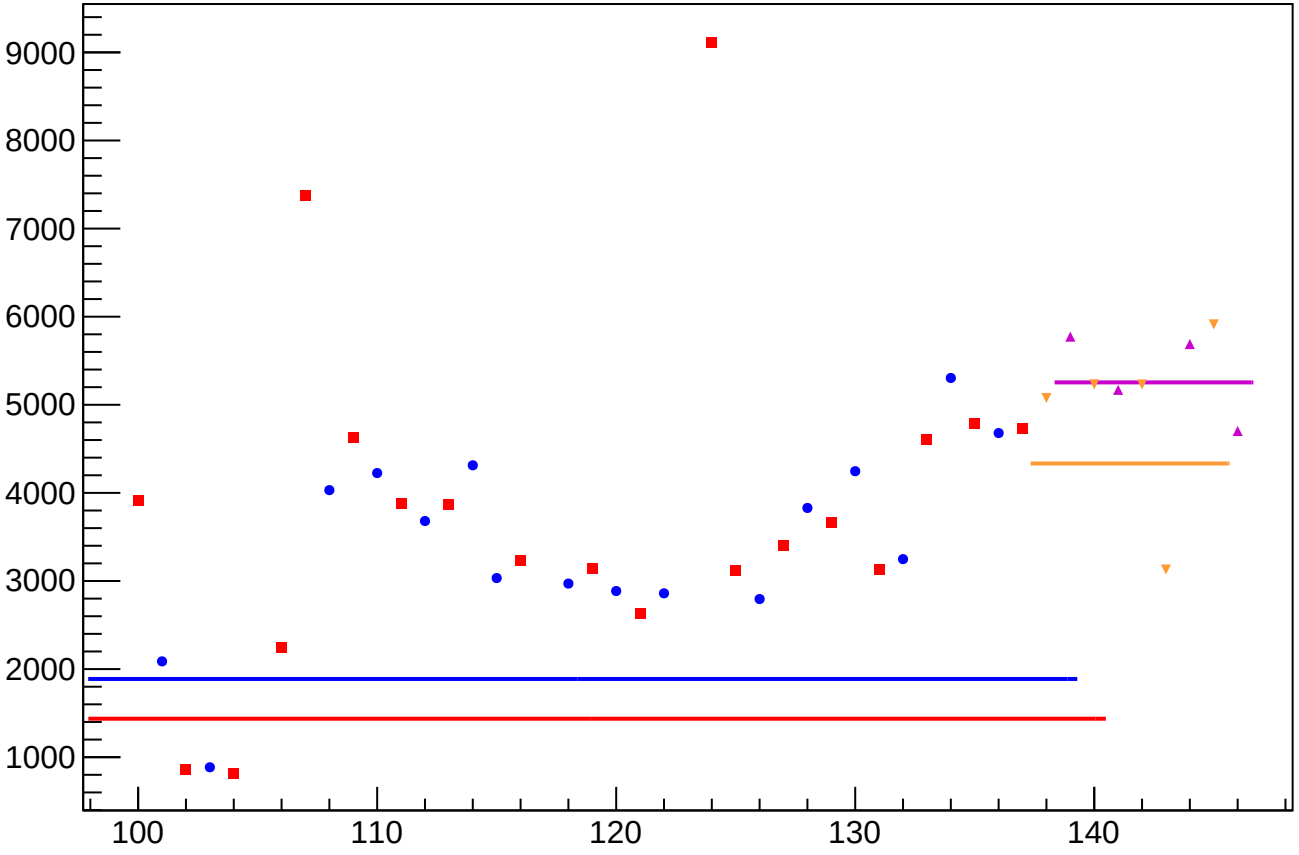
Left In: -416.409+/-2818.072 χ^2/NDF:0.8/3

+ sign 82.702+/-813.526 χ^2/NDF: 26.4/20

All: -242.720+/-512.657 χ^2/NDF: 46.0/43

- sign -457.068+/-660.249 χ^2/NDF: 19.3/22

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4333.593+/-1.655 χ^2/NDF:464607.8/4

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

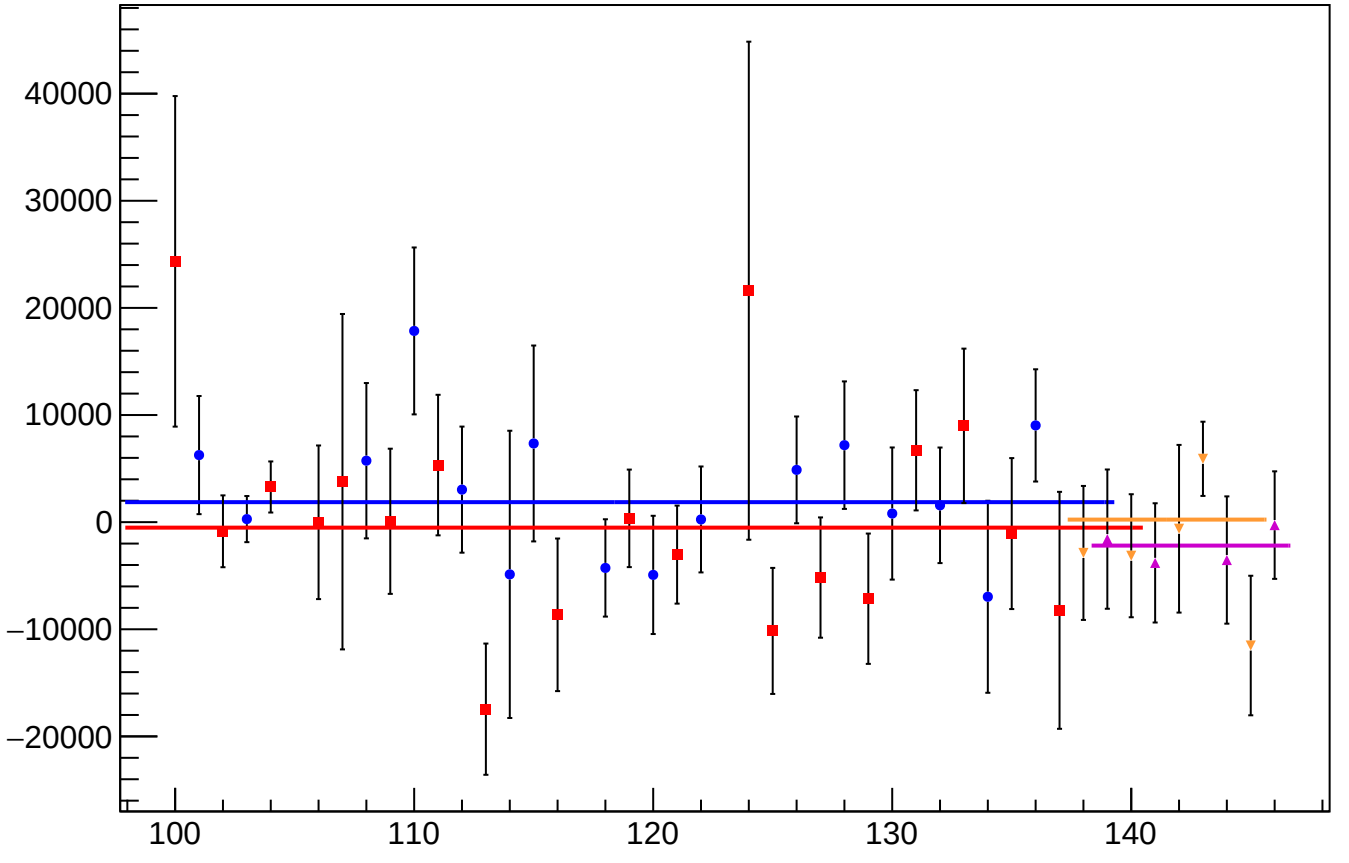
Left In: 5254.221+/-1.993 χ^2/NDF:49031.6/3

+ sign 2183.529+/-0.575 χ^2/NDF: 6810618.2/20

All: 1859.835+/-0.363 χ^2/NDF: 16817079.0/4

- sign 1646.625+/-0.467 χ^2/NDF: 9481267.8/22

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 237.577+/-2362.818 χ^2/NDF:6.5/4

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

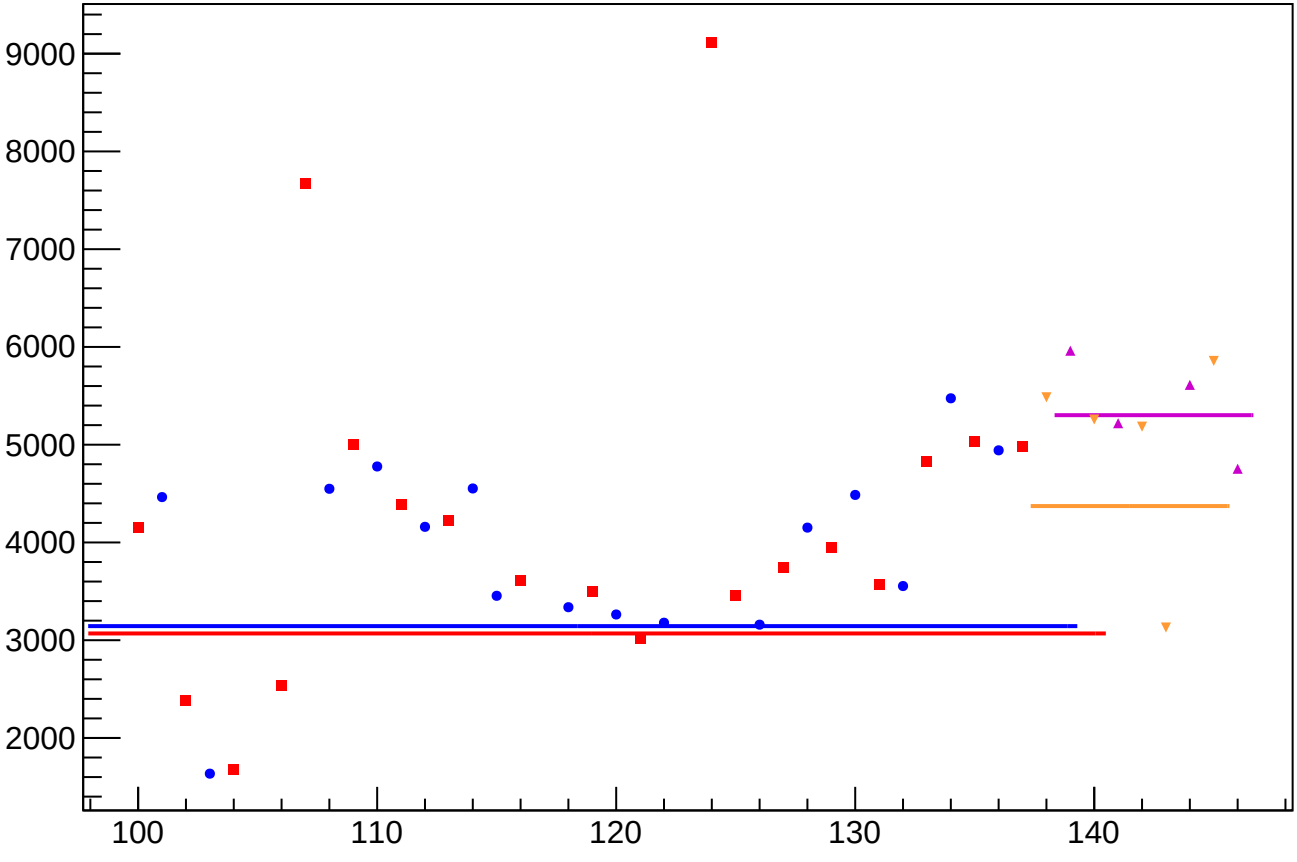
Left In: -2188.764+/-2840.302 χ^2/NDF:0.3/3

+ sign 1506.300+/-1111.239 χ^2/NDF: 20.7/20

All: 389.239+/-794.916 χ^2/NDF: 48.0/43

- sign -781.418+/-1137.586 χ^2/NDF: 25.3/22

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4372.288+/-1.671 χ^2/NDF:493567.8/4

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

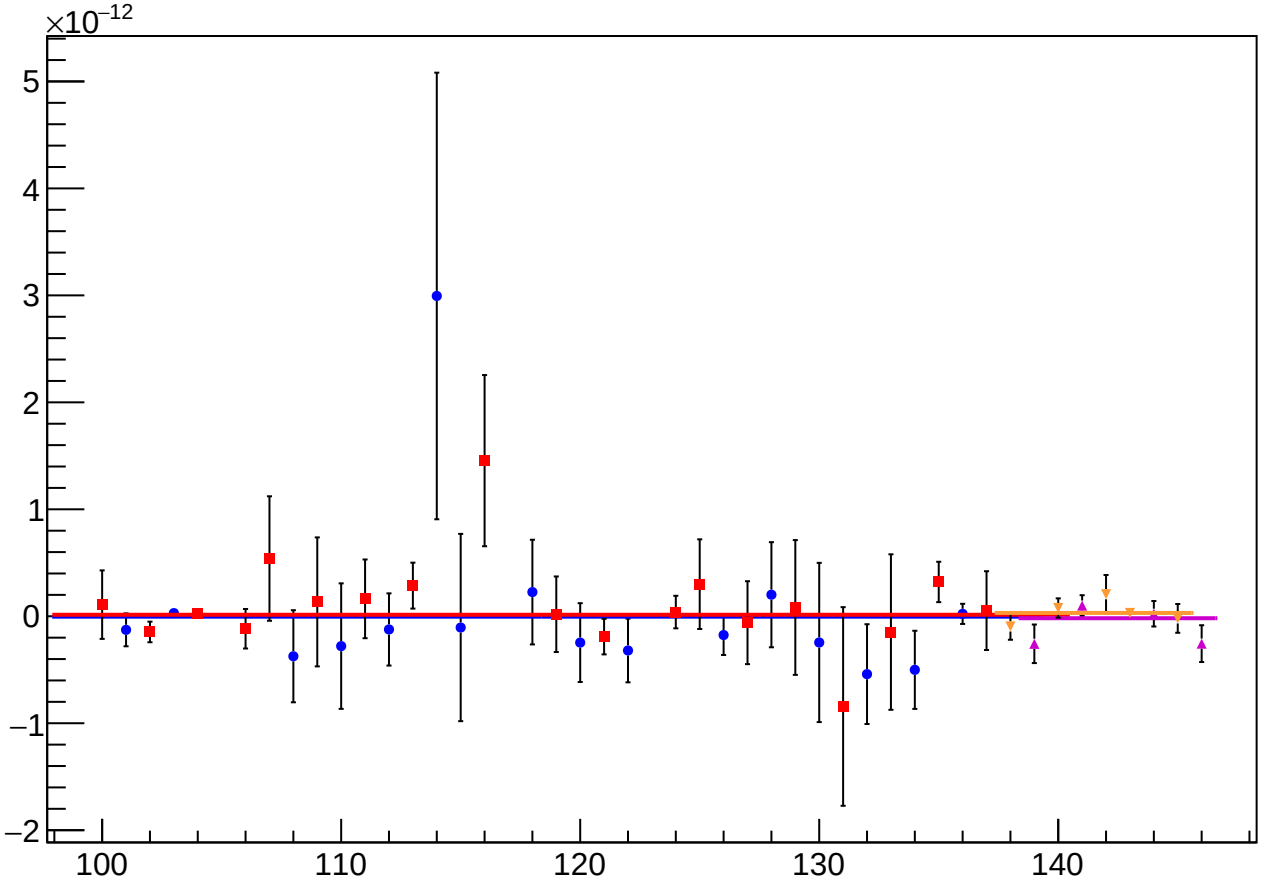
Left In: 5302.030+/-2.008 χ^2/NDF:50311.8/3

+ sign 3415.783+/-0.786 χ^2/NDF: 2797539.2/20

All: 3416.853+/-0.558 χ^2/NDF: 5772482.1/43

- sign 3417.944+/-0.794 χ^2/NDF: 2974939.1/22

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:2.4/4

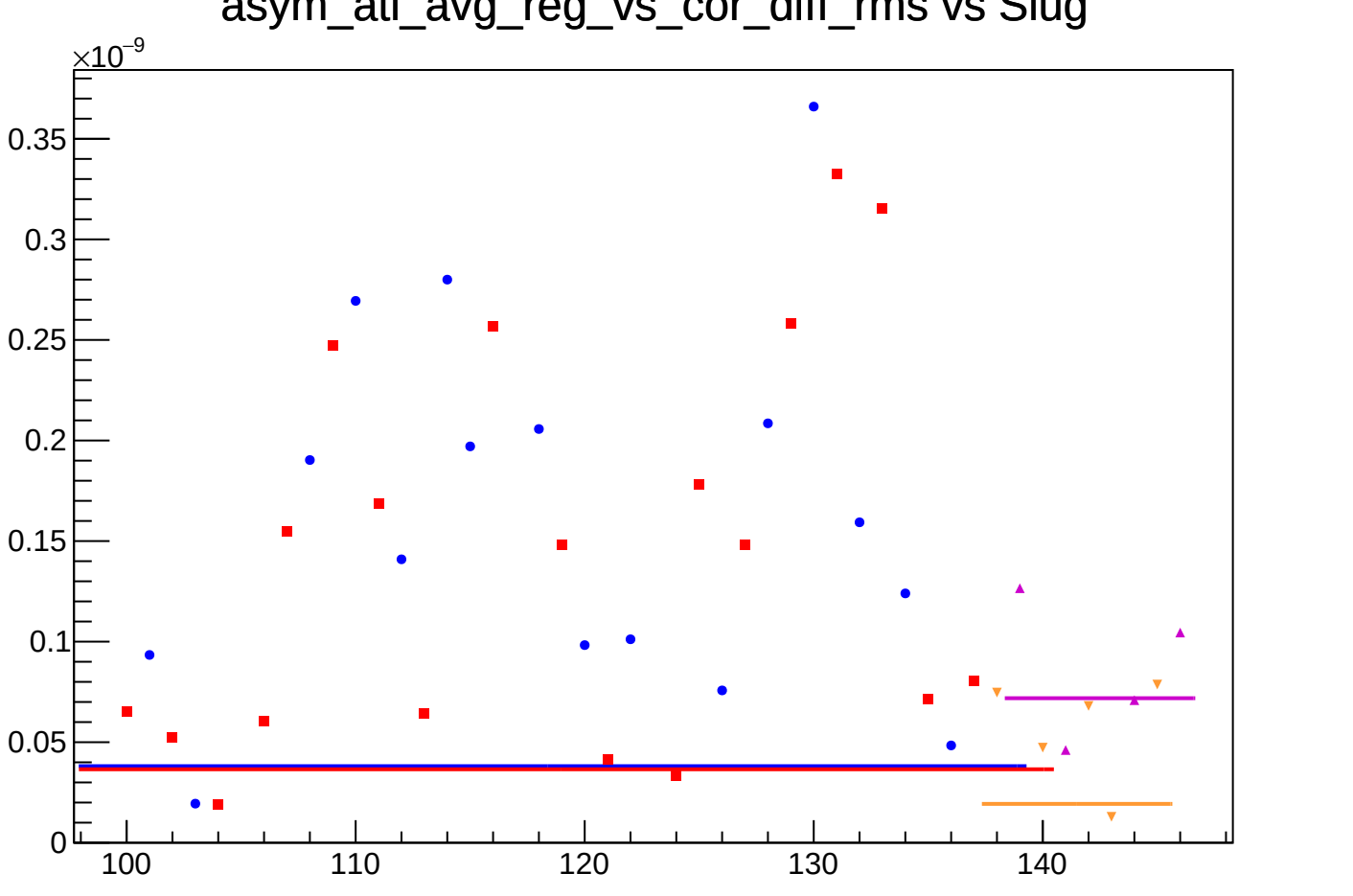
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 13.8/20

All: 0.000+/-0.000 χ^2/NDF: 34.3/43

- sign 0.000+/-0.000 χ^2/NDF: 20.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1275403.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

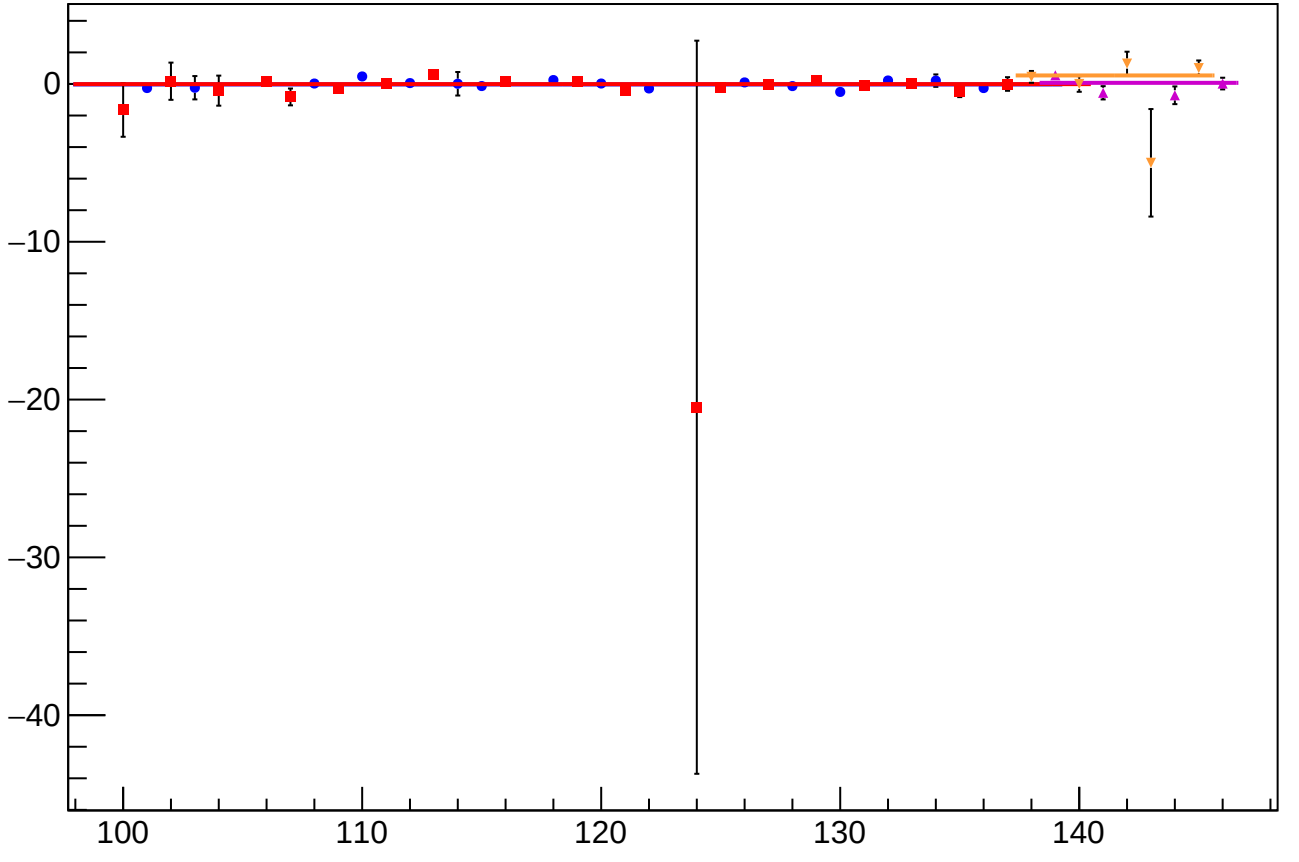
Left In: 0.000+/-0.000 χ^2/NDF:396453.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 4595440.8/20

All: 0.000+/-0.000 χ^2/NDF: 8761273.8/43

- sign 0.000+/-0.000 χ^2/NDF: 3559039.0/22

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

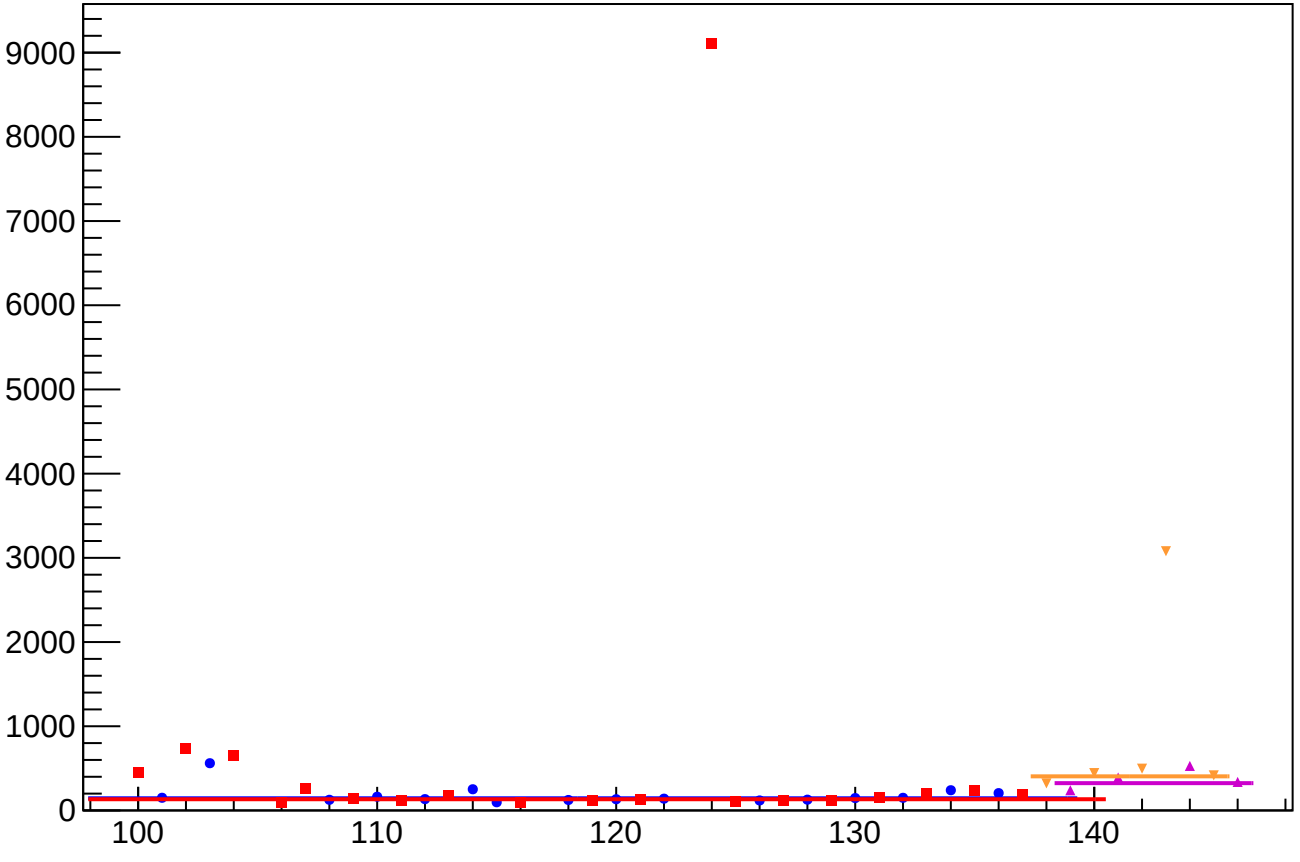
Left In: 0.071+/-0.184 χ^2/NDF:7.3/3

+ sign 0.002+/-0.056 χ^2/NDF: 28.3/20

All: -0.001+/-0.039 χ^2/NDF: 57.6/43

- sign -0.004+/-0.054 χ^2/NDF: 29.3/22

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 405.124+/-0.170 χ^2/NDF:1373181.7/4

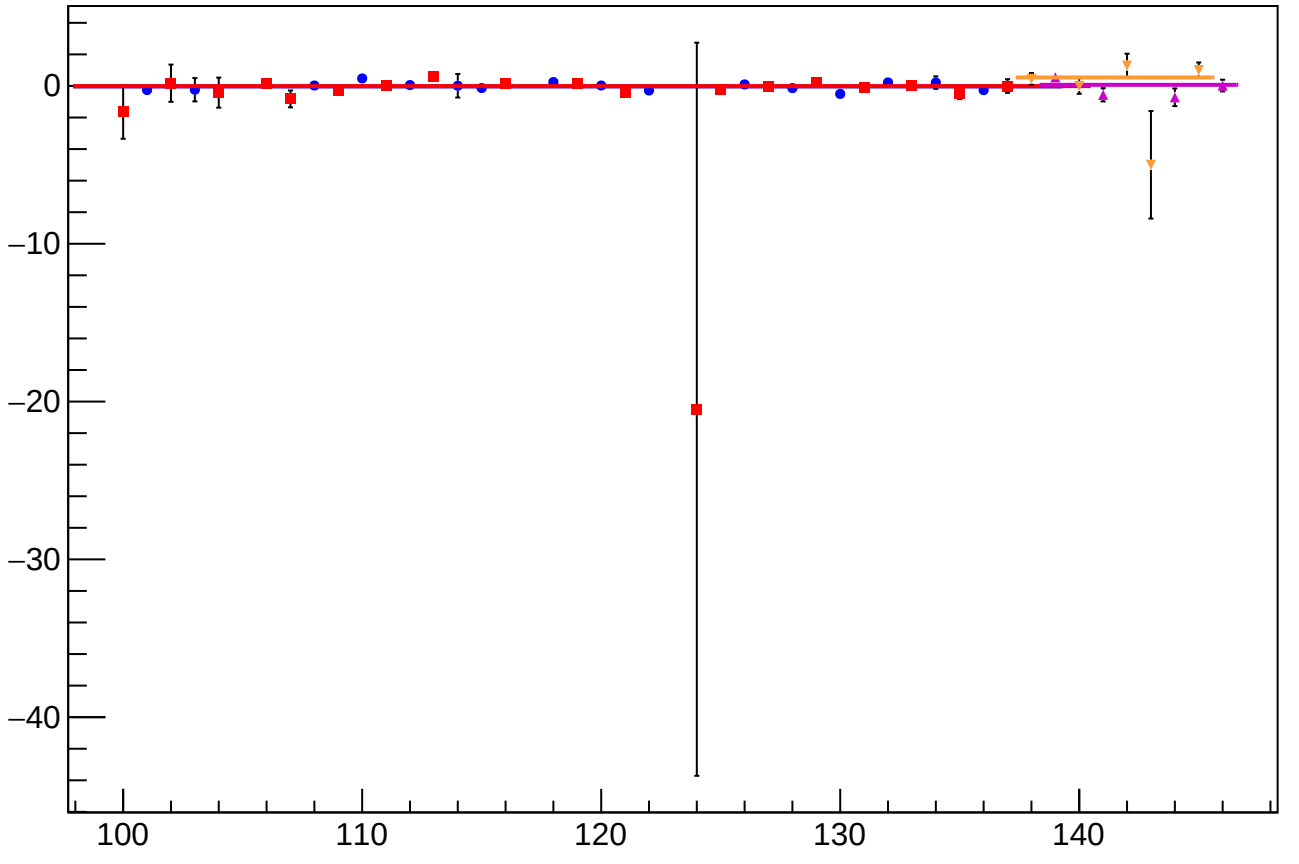
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.290+/-0.130 χ^2/NDF:511352.1/3

+ sign 158.577+/-0.040 χ^2/NDF: 4730566.0/20

All: 153.975+/-0.028 χ^2/NDF: 9459155.3/43

- sign 149.727+/-0.038 χ^2/NDF: 4702821.5/22



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

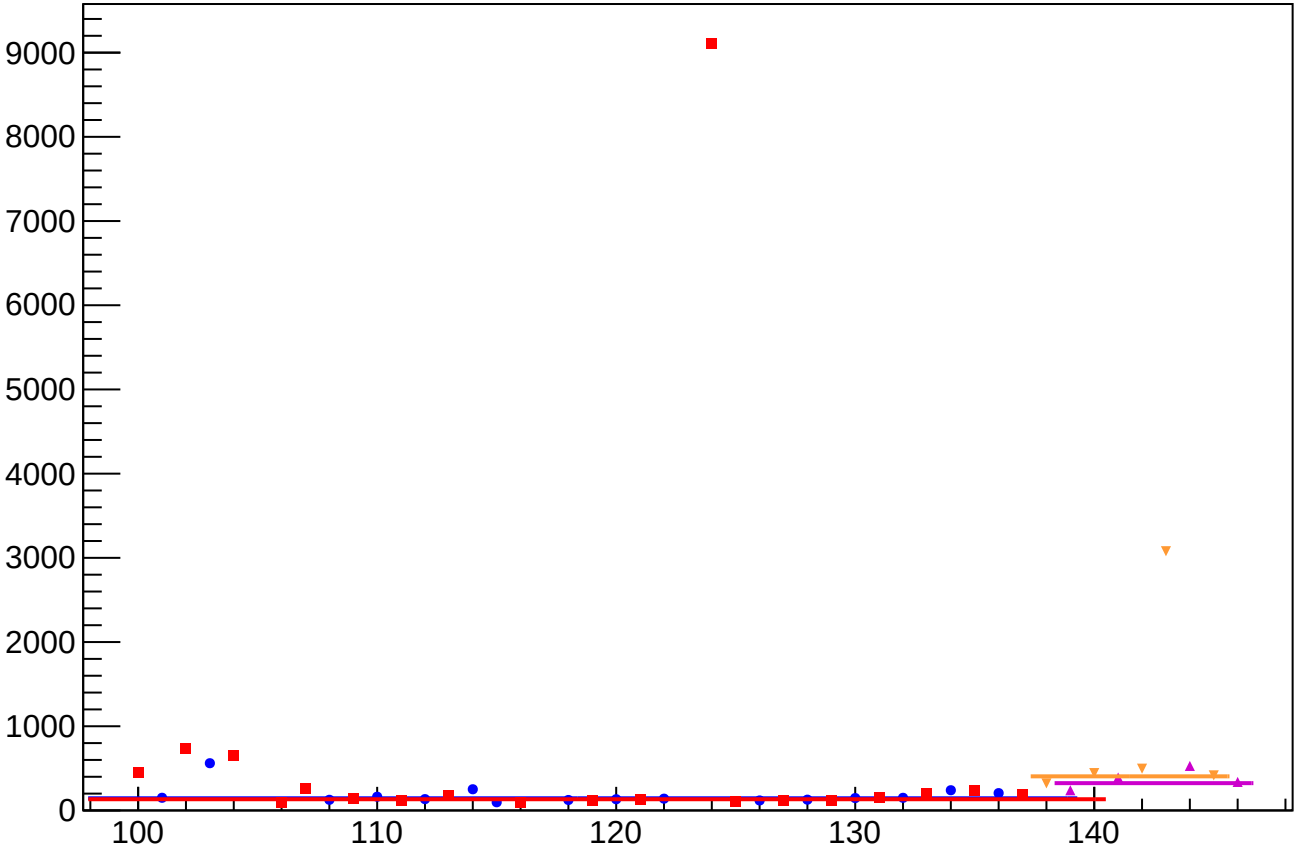
Left In: 0.071+/-0.184 χ^2/NDF:7.3/3

+ sign 0.002+/-0.056 χ^2/NDF: 28.3/20

All: -0.001+/-0.039 χ^2/NDF: 57.6/43

- sign -0.004+/-0.054 χ^2/NDF: 29.3/22

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: 405.124+/-0.170 χ^2/NDF:1373181.7/4

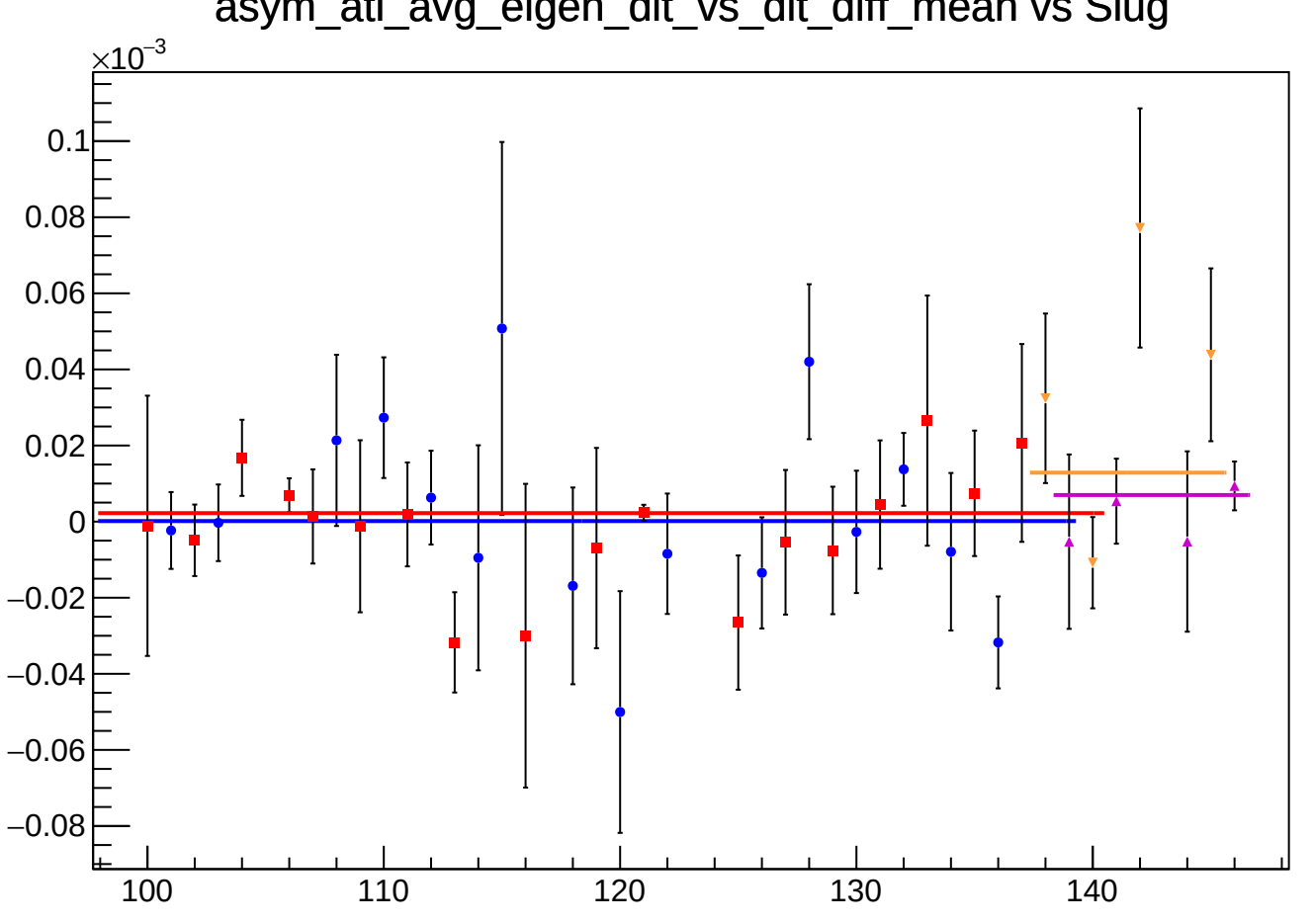
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.290+/-0.130 χ^2/NDF:511352.1/3

+ sign 158.577+/-0.040 χ^2/NDF: 4730566.0/20

All: 153.975+/-0.028 χ^2/NDF: 9459155.3/43

- sign 149.727+/-0.038 χ^2/NDF: 4702821.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

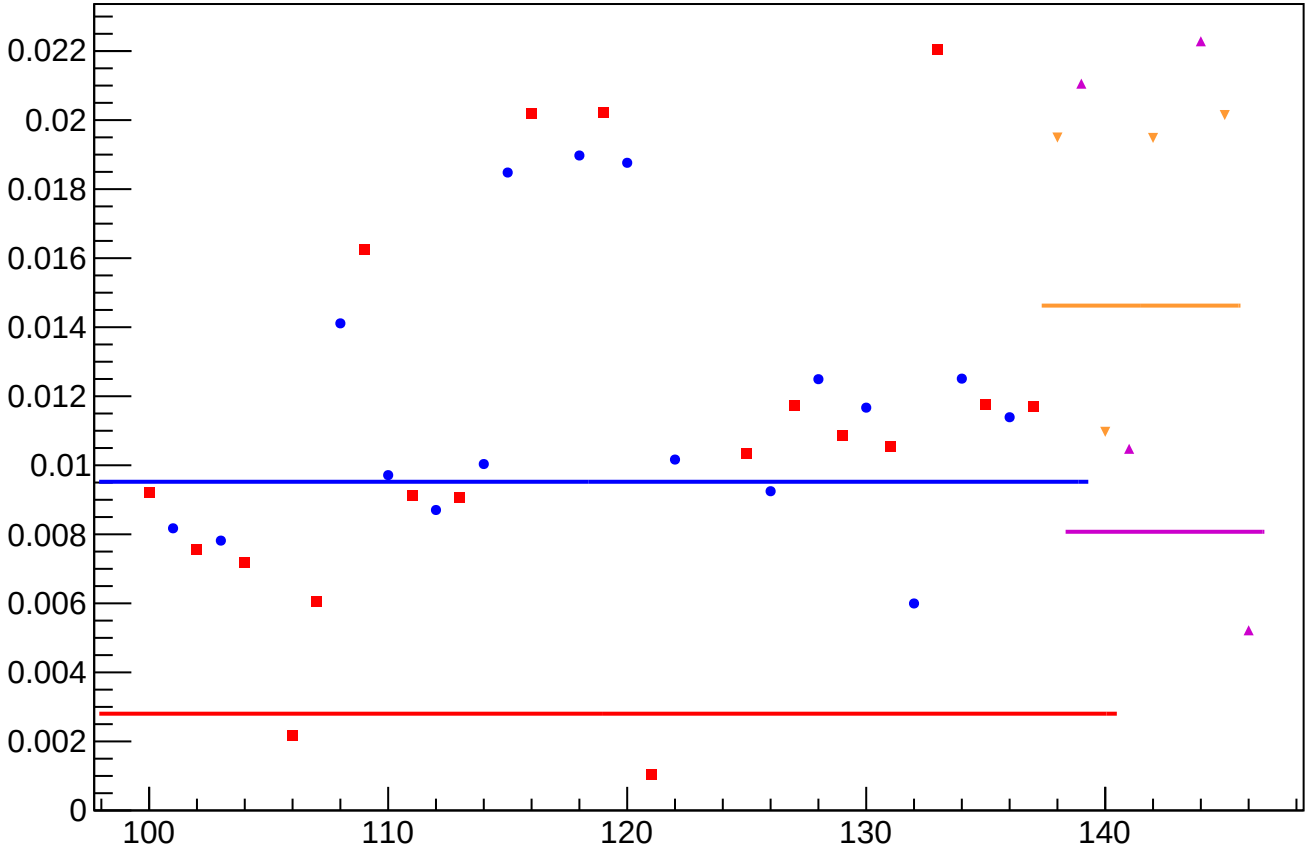
Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/19

All: 0.000+/-0.000 χ^2/NDF: 52.2/41

- sign 0.000+/-0.000 χ^2/NDF: 17.0/21

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: 0.015+/-0.000 χ^2/NDF:447383.6/3

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

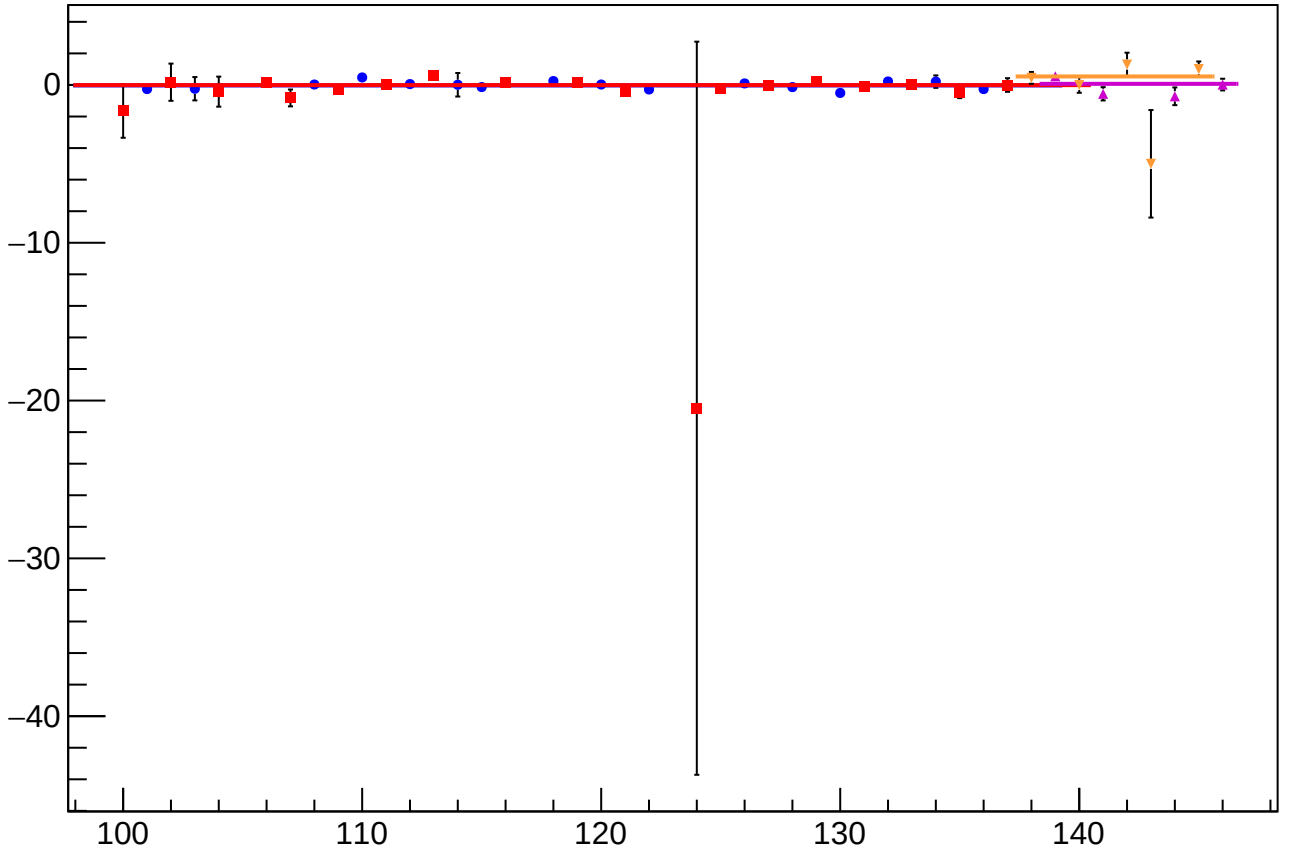
Left In: 0.008+/-0.000 χ^2/NDF:1849210.6/3

+ sign 0.010+/-0.000 χ^2/NDF: 2112295.7/19

All: 0.005+/-0.000 χ^2/NDF: 20901513.5/41

- sign 0.003+/-0.000 χ^2/NDF: 12224792.4/21

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: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

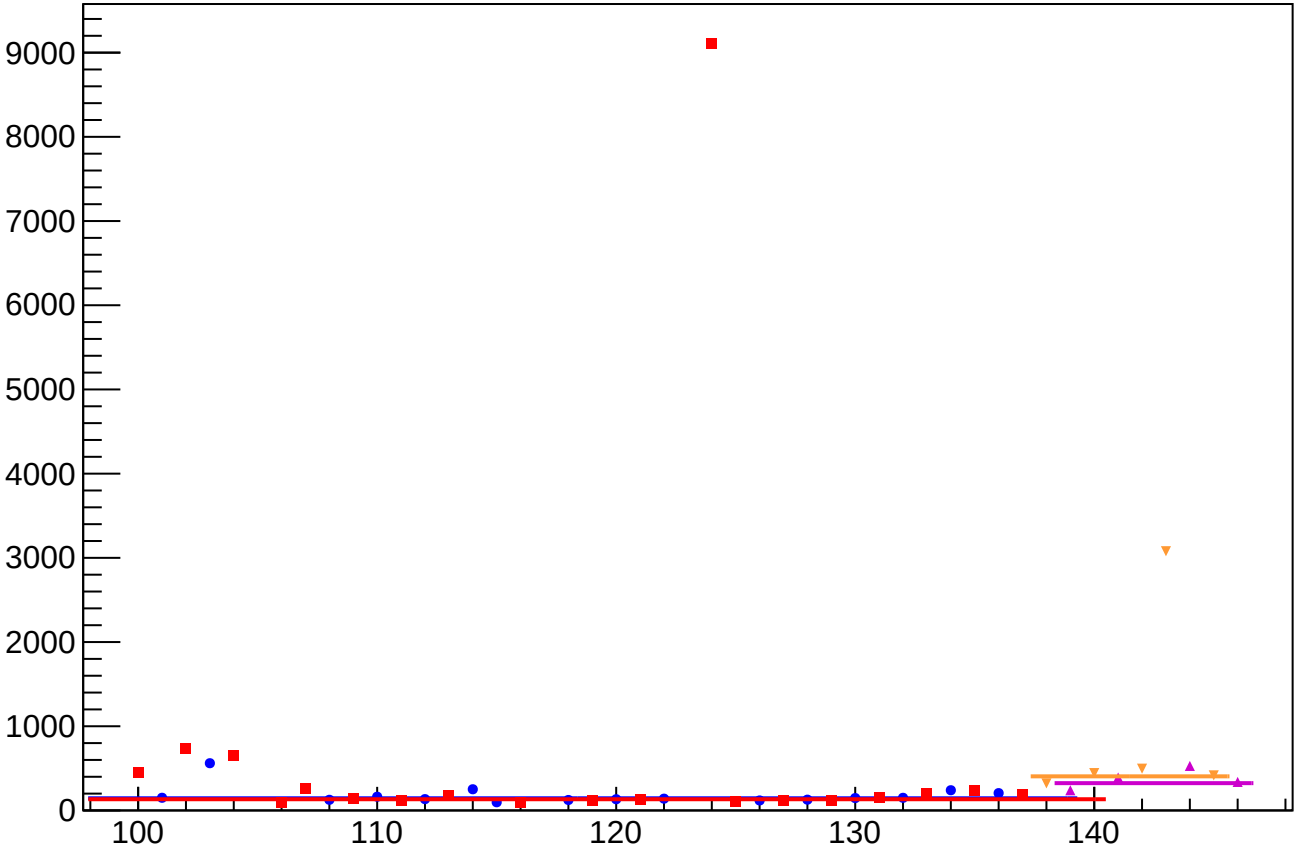
Left In: 0.071+/-0.184 χ^2/NDF:7.3/3

+ sign 0.002+/-0.056 χ^2/NDF: 28.3/20

All: -0.001+/-0.039 χ^2/NDF: 57.6/43

- sign -0.004+/-0.054 χ^2/NDF: 29.3/22

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: 405.129+/-0.170 χ^2/NDF:1373189.2/4

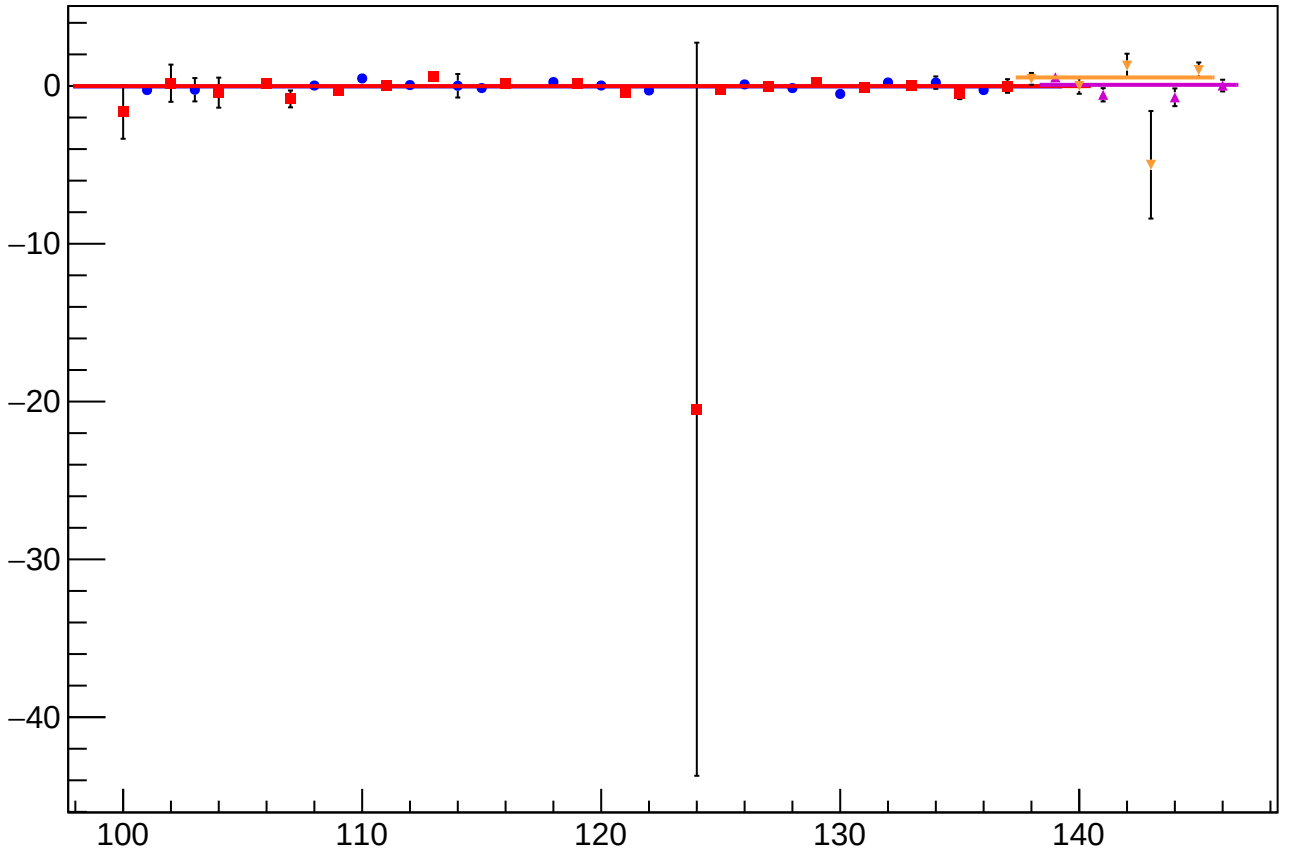
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.296+/-0.130 χ^2/NDF:511332.8/3

+ sign 158.575+/-0.040 χ^2/NDF: 4730662.5/20

All: 153.974+/-0.028 χ^2/NDF: 9459264.1/43

- sign 149.726+/-0.038 χ^2/NDF: 4702838.9/22



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

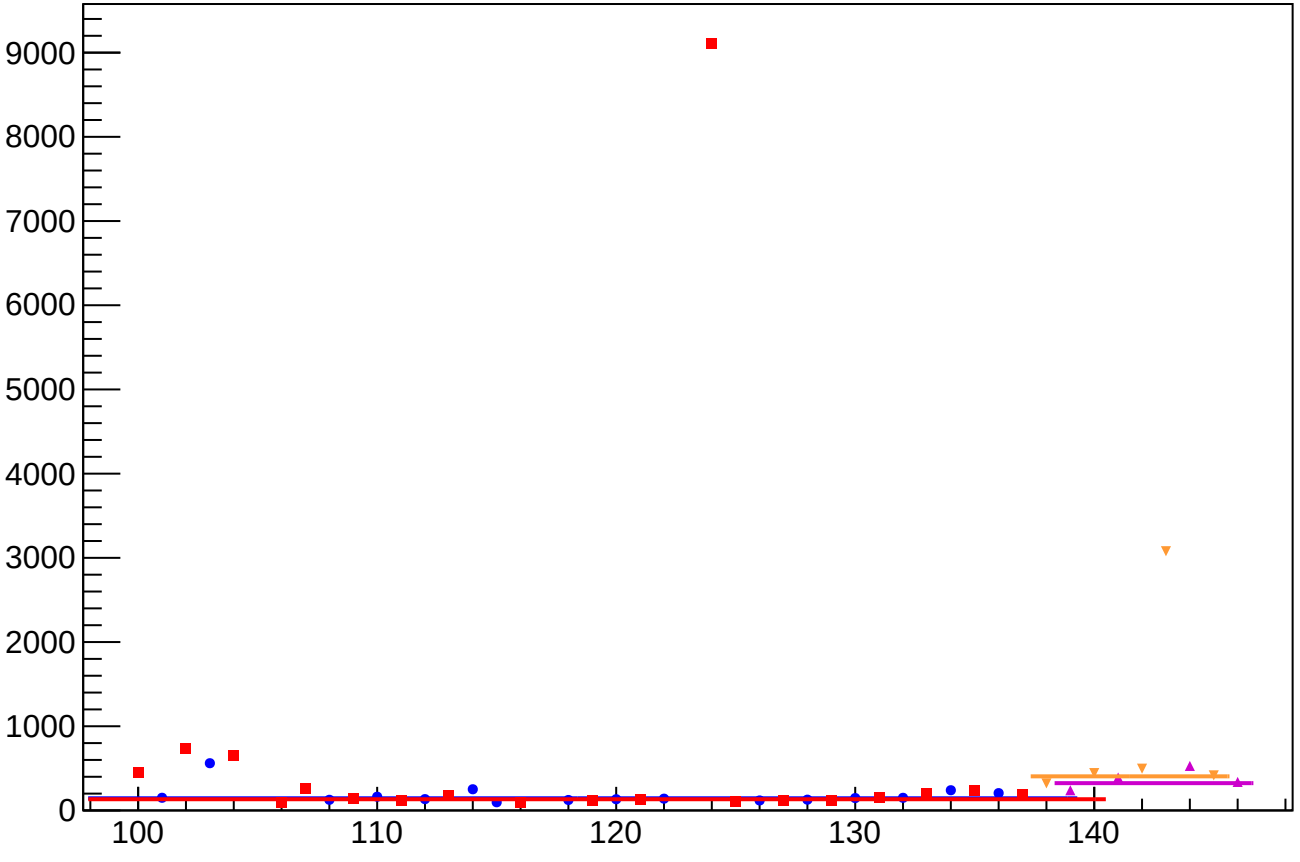
Left In: 0.071+/-0.184 χ^2/NDF:7.3/3

+ sign 0.002+/-0.056 χ^2/NDF: 28.3/20

All: -0.001+/-0.039 χ^2/NDF: 57.6/43

- sign -0.004+/-0.054 χ^2/NDF: 29.3/22

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 405.129+/-0.170 χ^2/NDF:1373189.2/4

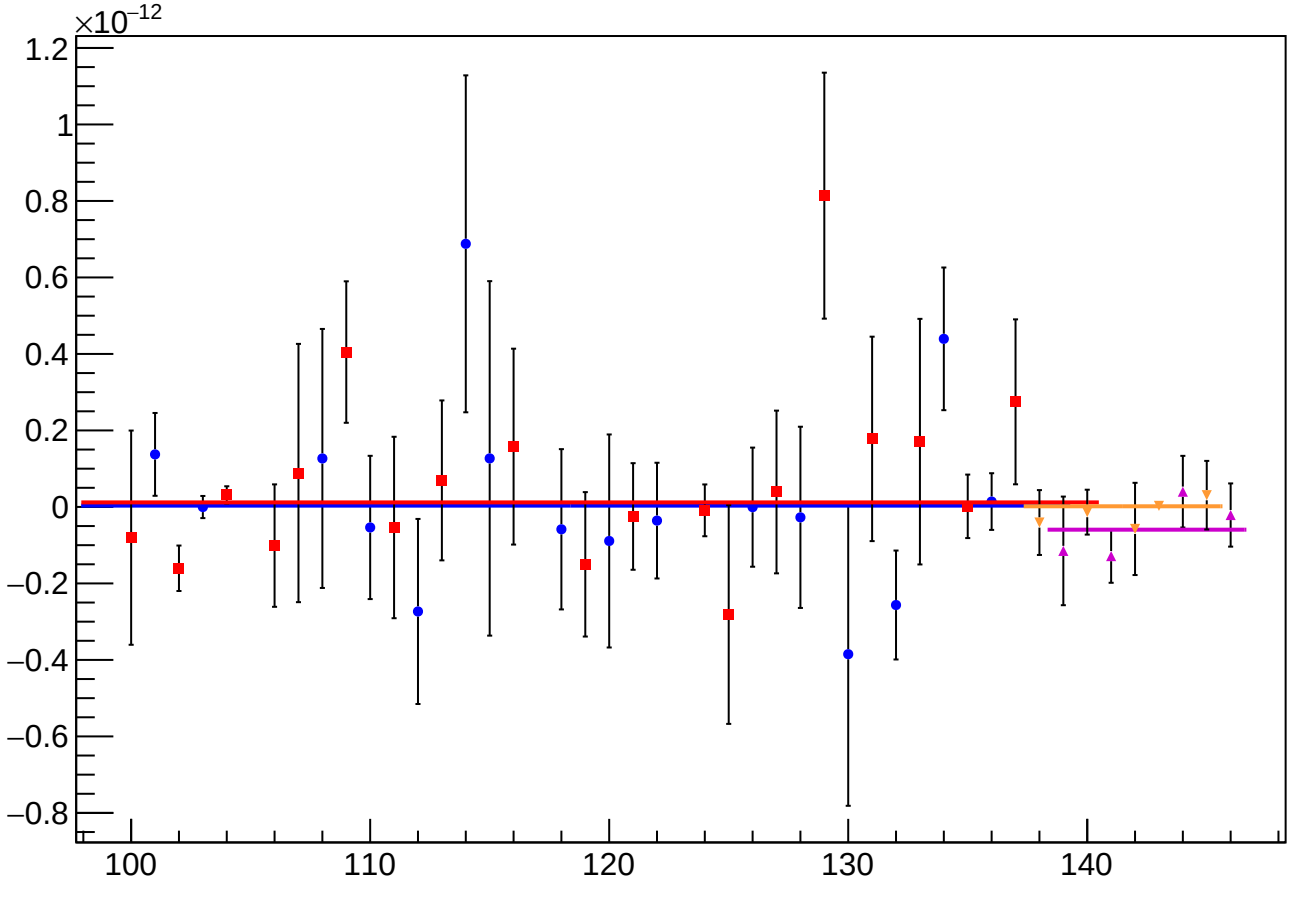
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.296+/-0.130 χ^2/NDF:511332.8/3

+ sign 158.575+/-0.040 χ^2/NDF: 4730662.5/20

All: 153.974+/-0.028 χ^2/NDF: 9459264.1/43

- sign 149.726+/-0.038 χ^2/NDF: 4702838.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/4

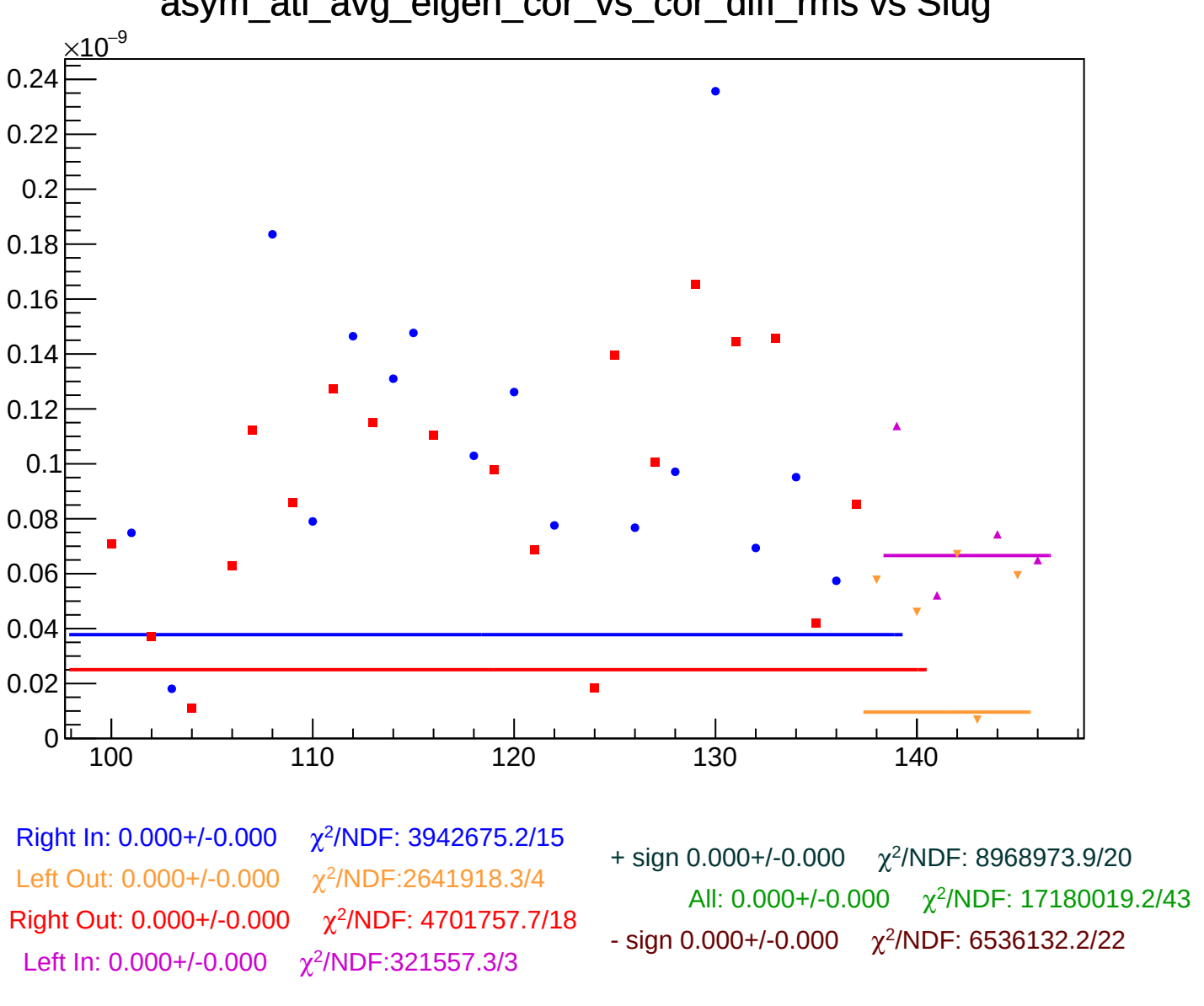
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/3

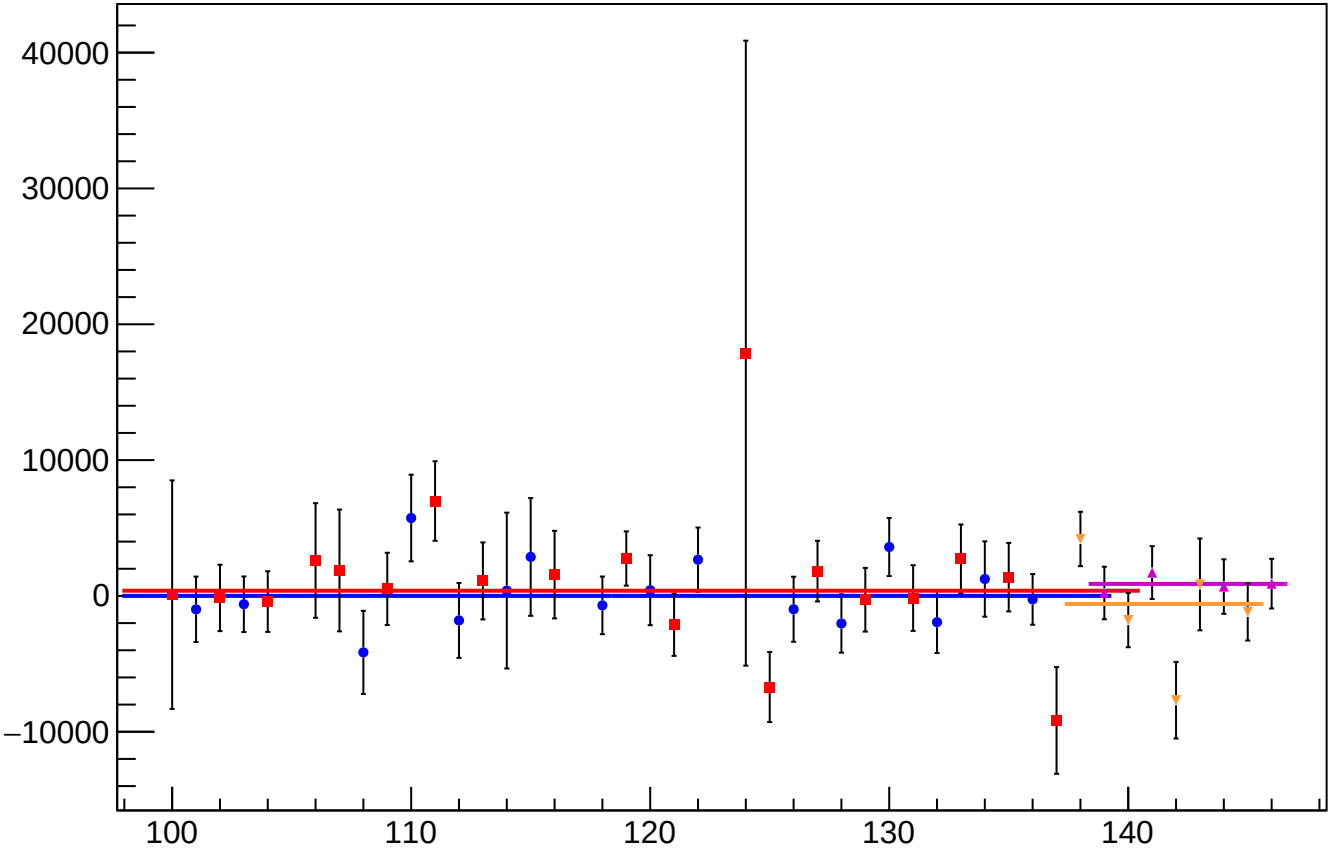
+ sign 0.000+/-0.000 χ^2/NDF: 16.3/20

All: 0.000+/-0.000 χ^2/NDF: 46.1/43

- sign 0.000+/-0.000 χ^2/NDF: 29.8/22


asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3942675.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2641918.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 4701757.7/18
Left In: 0.000+/-0.000 χ²/NDF:321557.3/3
+ sign 0.000+/-0.000 χ²/NDF: 8968973.9/20
All: 0.000+/-0.000 χ²/NDF: 17180019.2/43
- sign 0.000+/-0.000 χ²/NDF: 6536132.2/22

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: -590.830+/-1032.016 χ^2/NDF:12.6/4

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

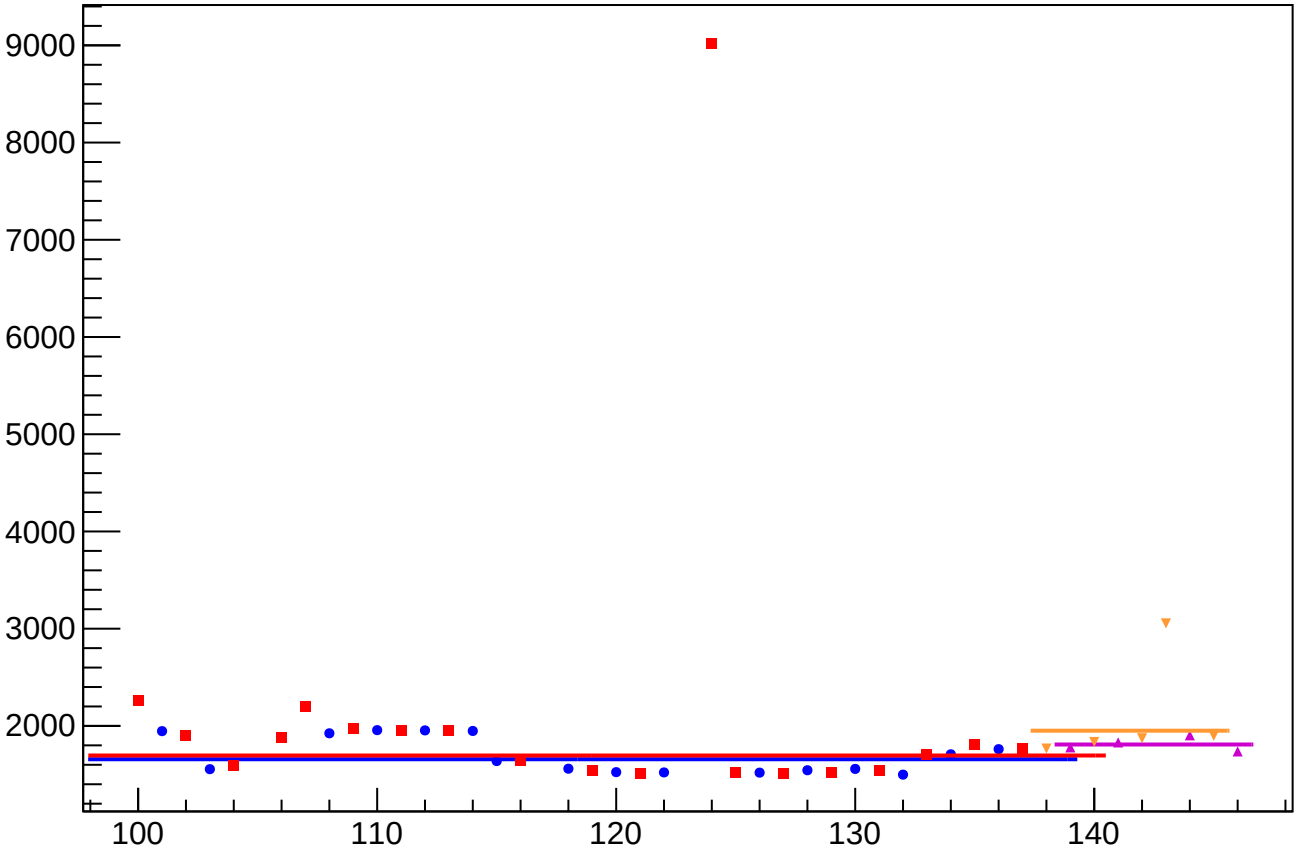
Left In: 884.916+/-962.840 χ^2/NDF:0.3/3

+ sign -153.441+/-531.406 χ^2/NDF: 25.3/20

All: 192.591+/-375.025 χ^2/NDF: 50.7/43

- sign 535.923+/-529.329 χ^2/NDF: 24.6/22

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1950.787+/-0.730 χ^2/NDF:239493.7/4

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

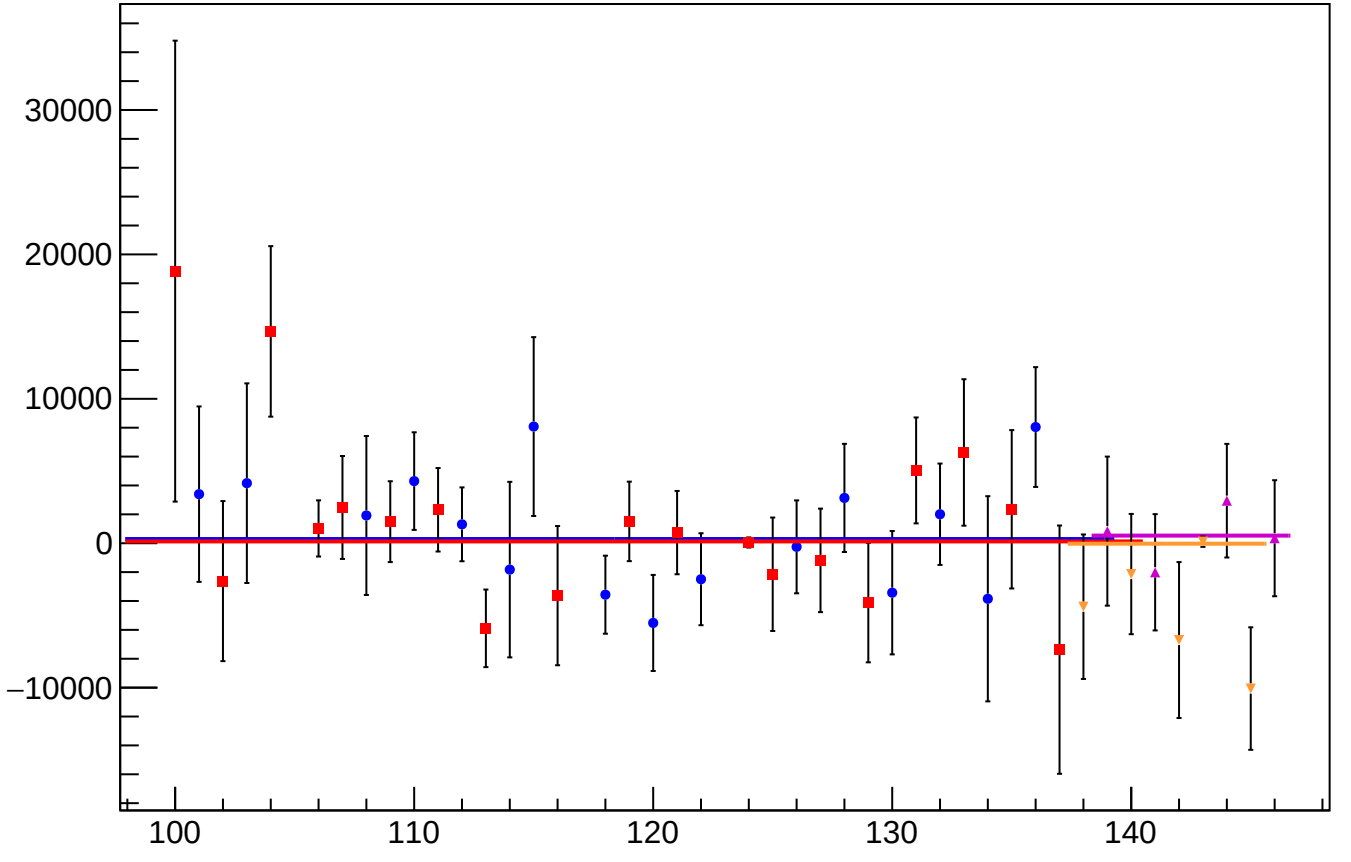
Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

+ sign 1734.983+/-0.376 χ^2/NDF: 502483.0/20

All: 1732.287+/-0.265 χ^2/NDF: 916309.0/43

- sign 1729.629+/-0.373 χ^2/NDF: 413723.8/22

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: -32.790+/-359.682 χ^2/NDF:8.3/4

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

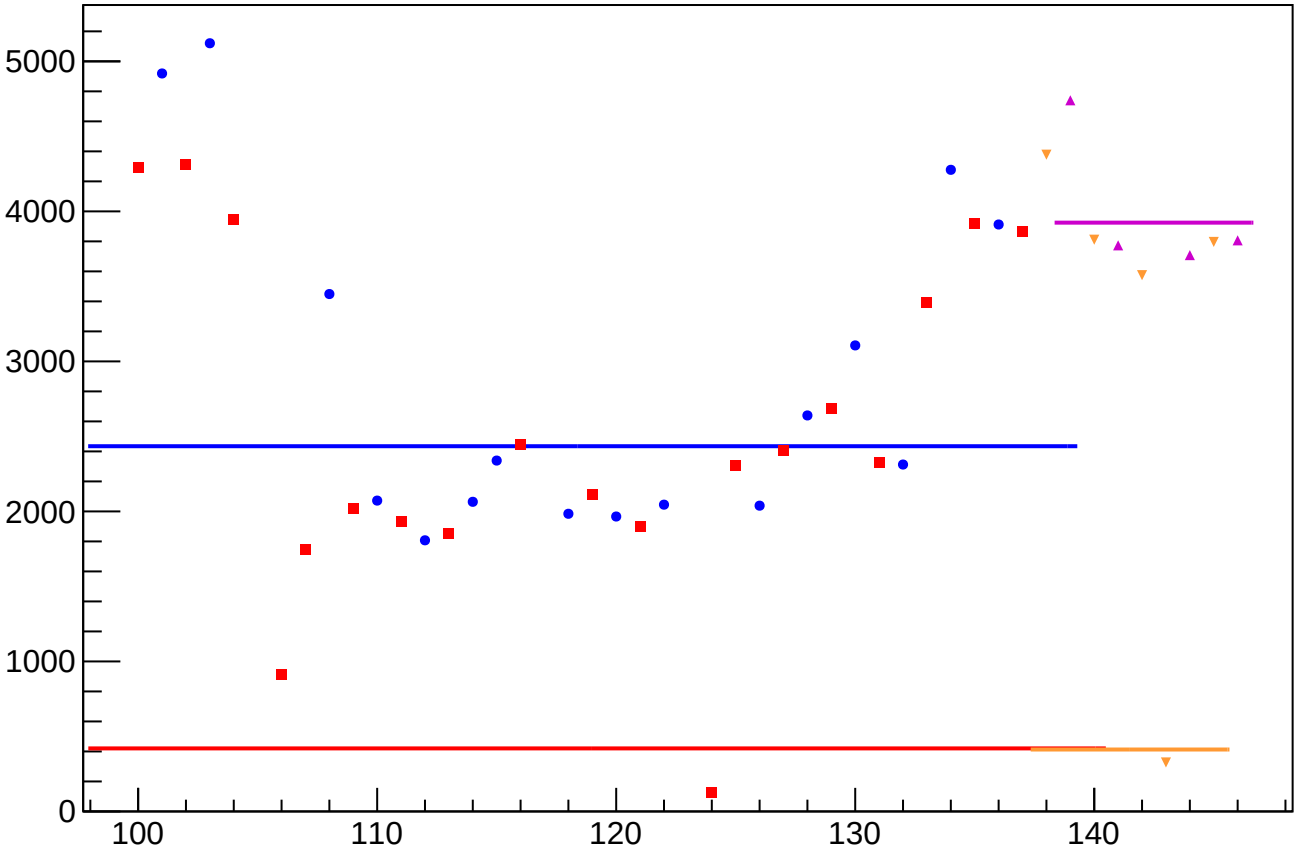
Left In: 527.601+/-2104.180 χ^2/NDF:0.8/3

+ sign 6.776+/-336.863 χ^2/NDF: 23.6/20

All: 74.125+/-231.988 χ^2/NDF: 45.3/43

- sign 134.881+/-319.950 χ^2/NDF: 21.7/22

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 412.900+/-0.254 χ^2/NDF:4658466.9/4

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

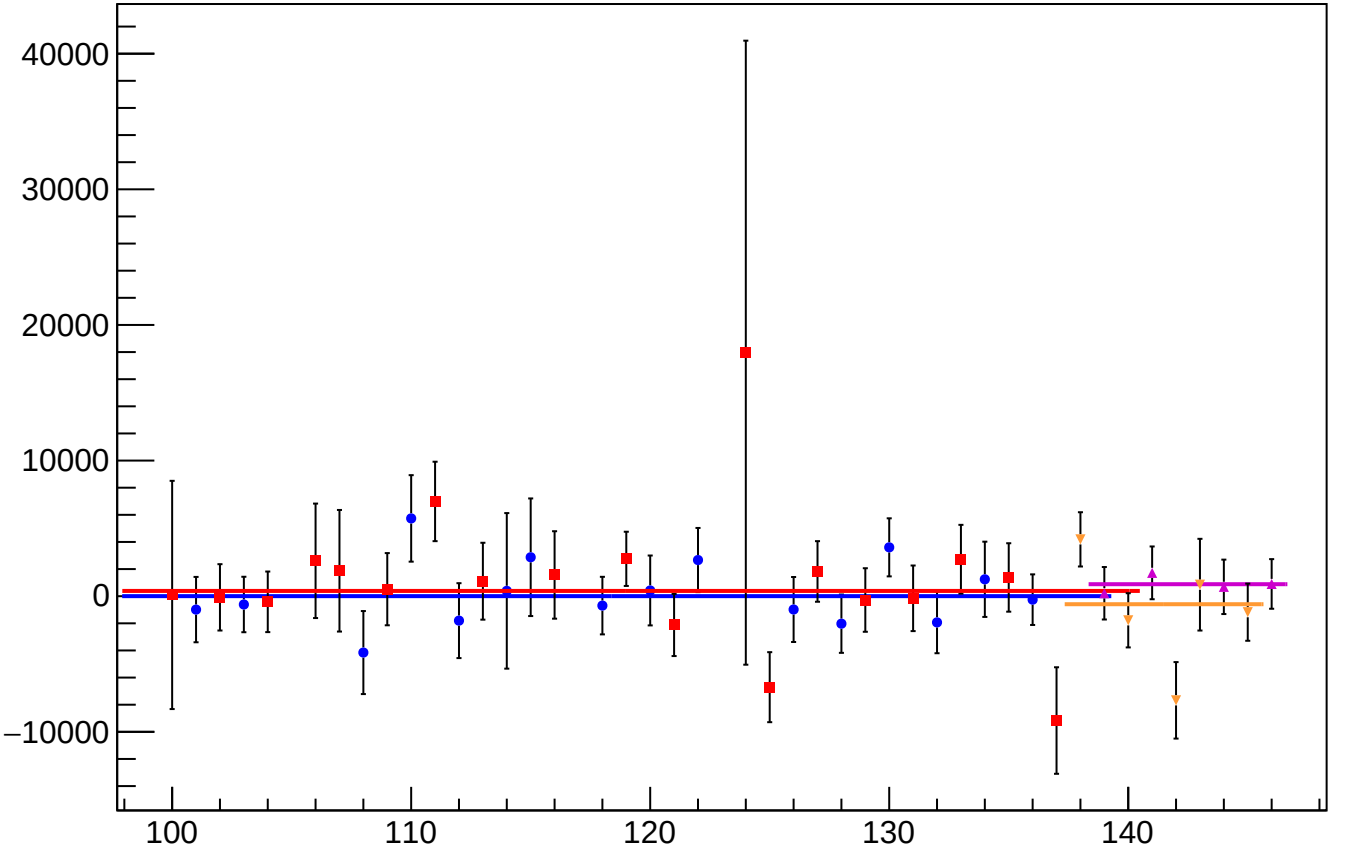
Left In: 3924.855+/-1.488 χ^2/NDF:60545.1/3

+ sign 661.277+/-0.238 χ^2/NDF: 13879029.1/20

All: 577.182+/-0.164 χ^2/NDF: 30660301.0/43

- sign 501.320+/-0.226 χ^2/NDF: 16544191.8/22

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: -590.917+/-1032.016 χ^2/NDF:12.6/4

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

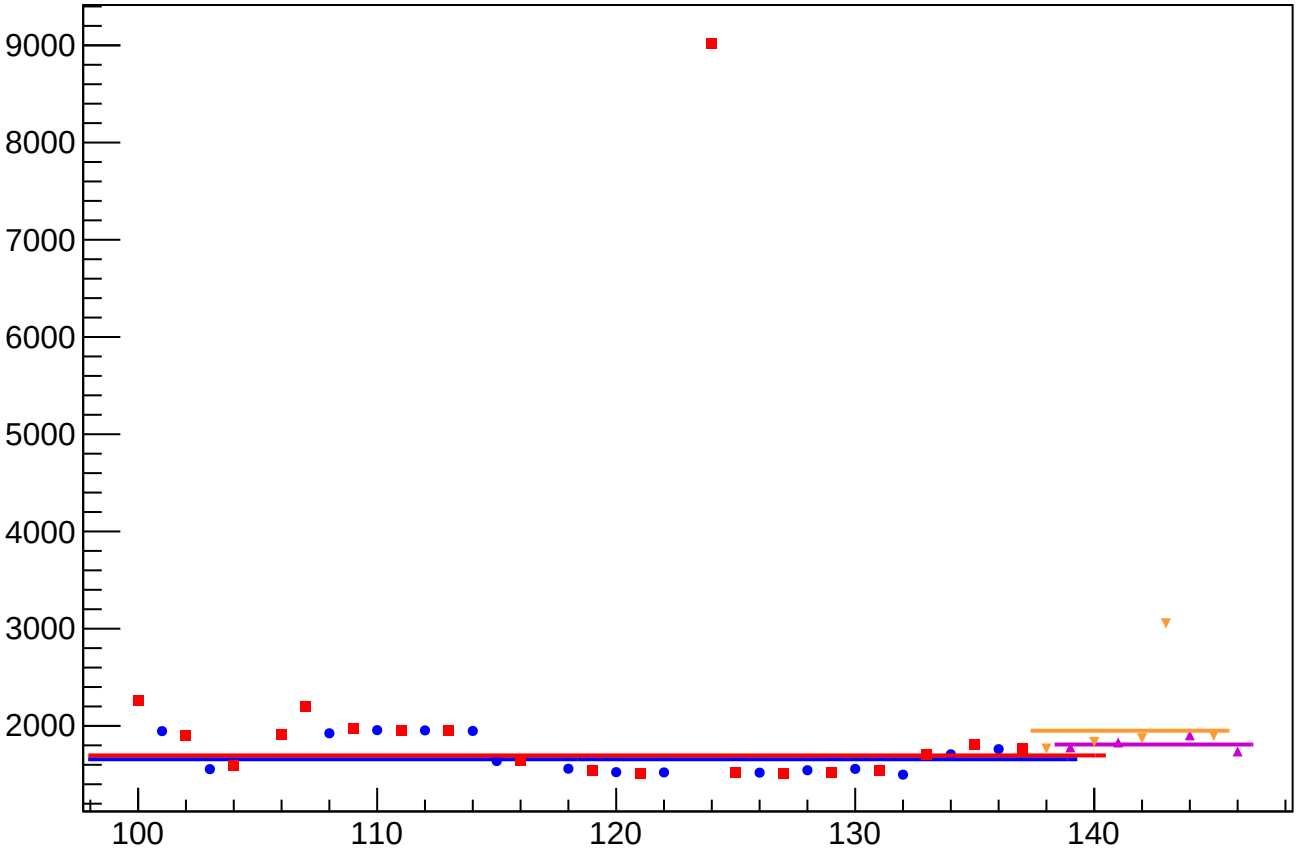
Left In: 884.895+/-962.840 χ^2/NDF:0.3/3

+ sign -153.522+/-531.406 χ^2/NDF: 25.3/20

All: 194.051+/-375.026 χ^2/NDF: 50.7/43

- sign 538.917+/-529.333 χ^2/NDF: 24.5/22

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1950.787+/-0.730 χ^2/NDF:239493.7/4

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

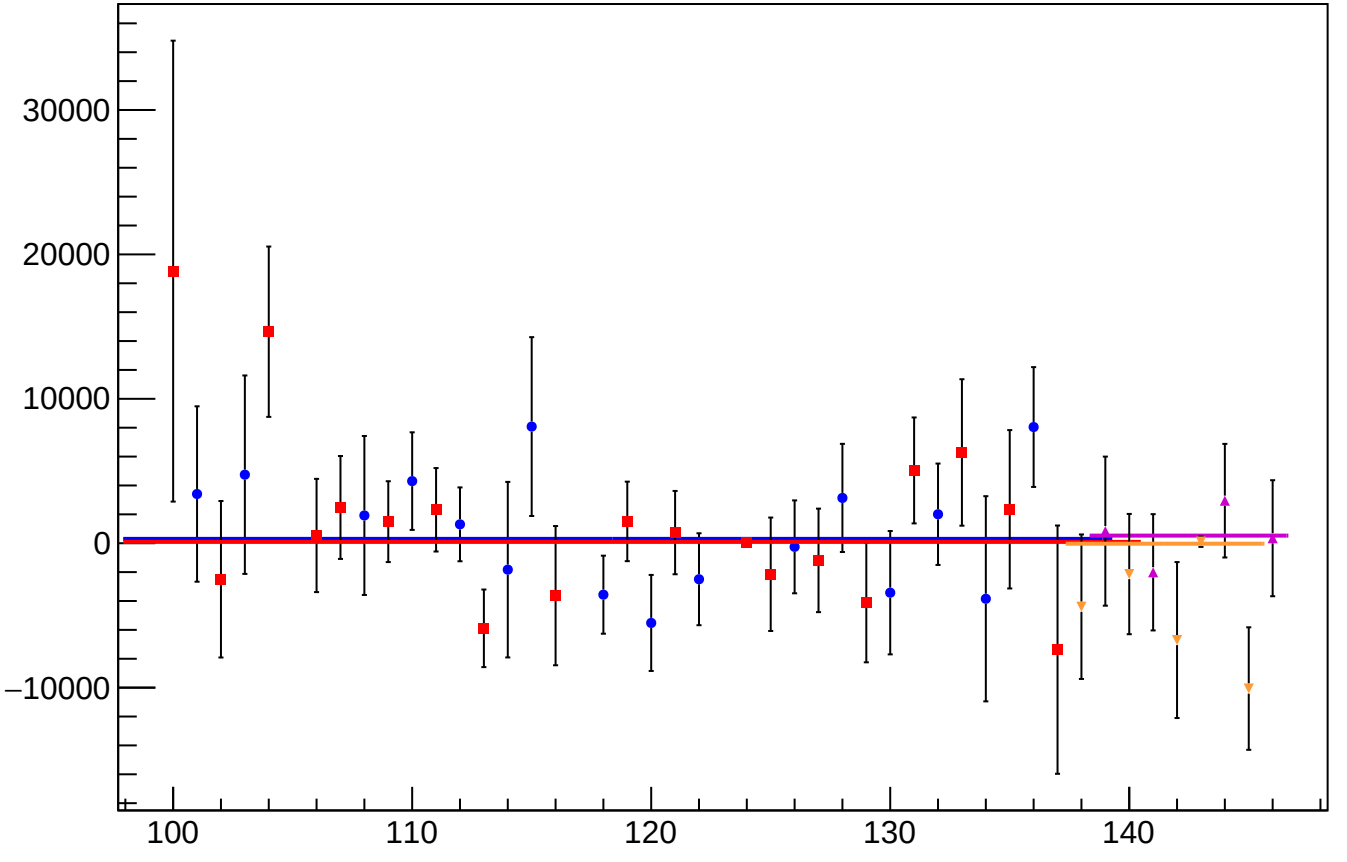
Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

+ sign 1734.983+/-0.376 χ^2/NDF: 502483.2/20

All: 1732.579+/-0.265 χ^2/NDF: 917770.9/43

- sign 1730.207+/-0.373 χ^2/NDF: 415206.4/22

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -32.309+/-359.654 χ^2/NDF:8.3/4

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

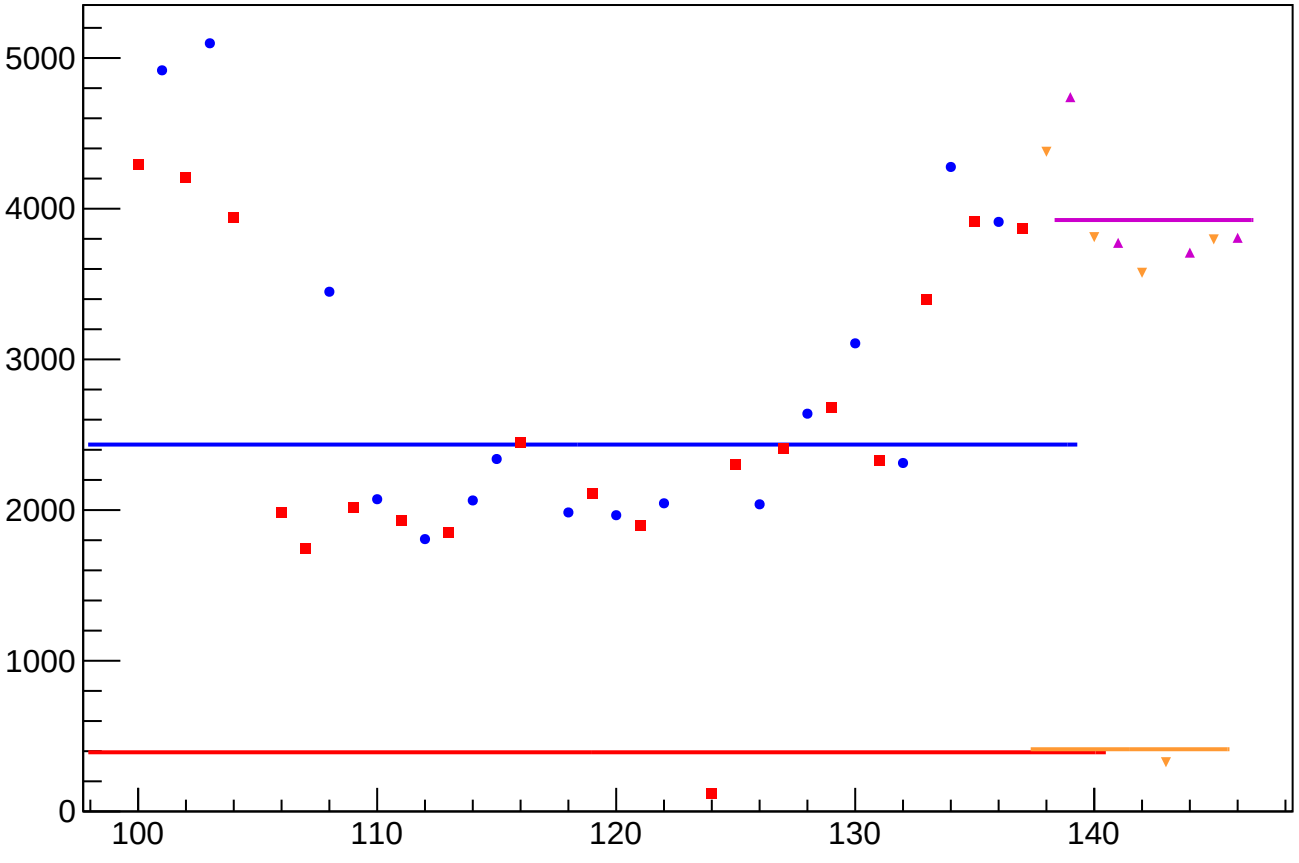
Left In: 527.551+/-2104.179 χ^2/NDF:0.8/3

+ sign 8.746+/-336.836 χ^2/NDF: 23.7/20

All: 58.807+/-228.997 χ^2/NDF: 45.2/43

- sign 101.829+/-312.261 χ^2/NDF: 21.4/22

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 412.858+/-0.254 χ^2/NDF:4658558.3/4

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

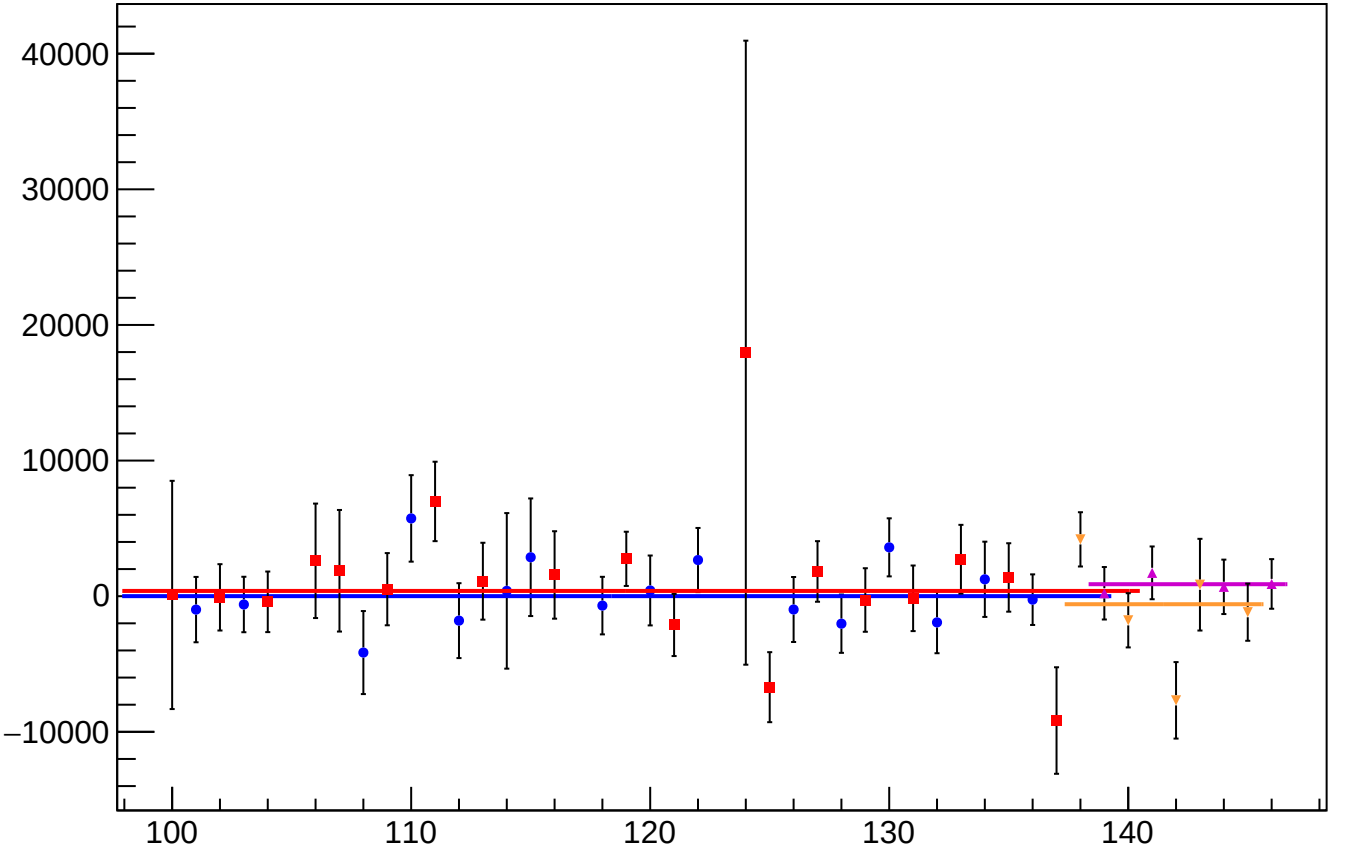
Left In: 3924.855+/-1.488 χ^2/NDF:60543.4/3

+ sign 661.281+/-0.238 χ^2/NDF: 13880841.5/20

All: 558.653+/-0.162 χ^2/NDF: 31206262.1/43

- sign 470.454+/-0.221 χ^2/NDF: 16980197.3/22

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: -590.917+/-1032.016 χ^2/NDF:12.6/4

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

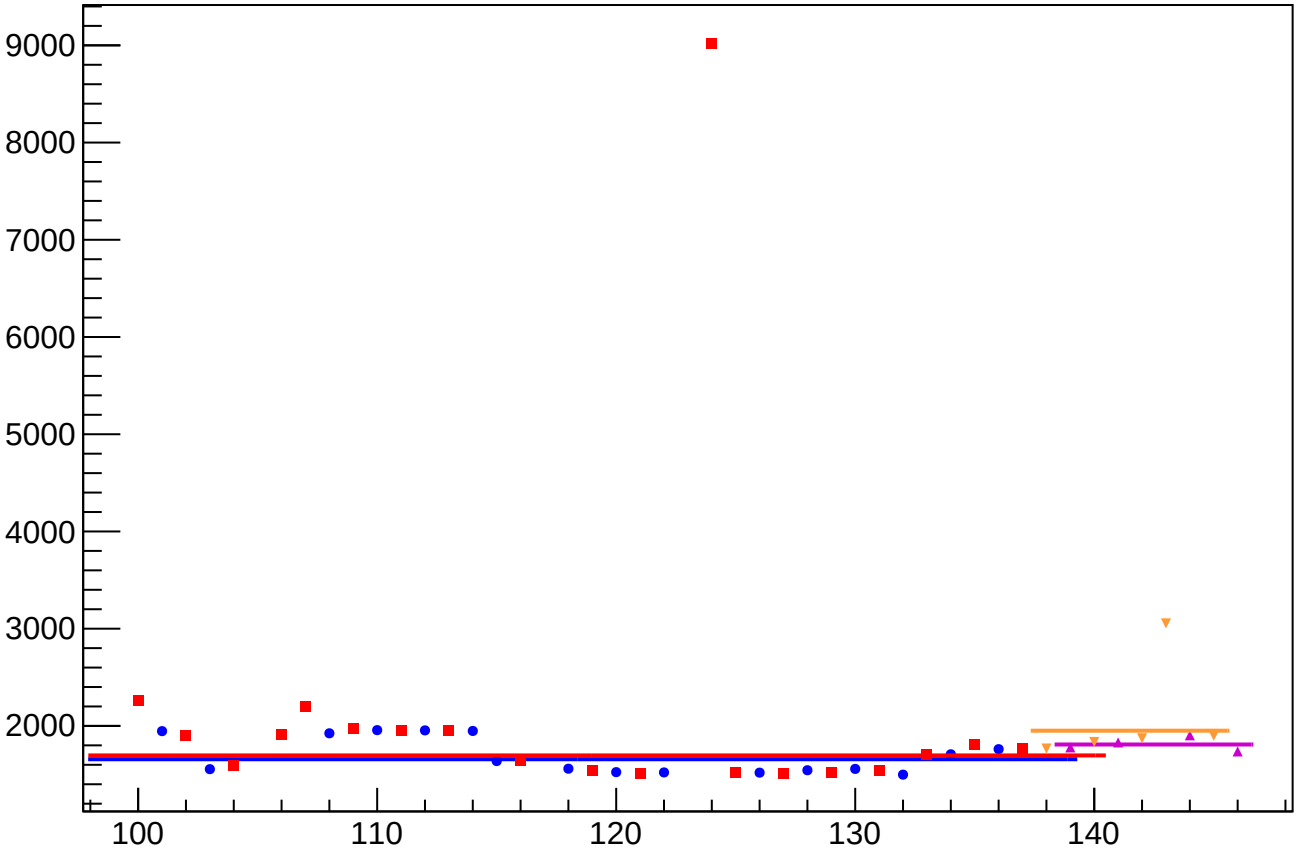
Left In: 884.895+/-962.840 χ^2/NDF:0.3/3

+ sign -153.522+/-531.406 χ^2/NDF: 25.3/20

All: 194.051+/-375.026 χ^2/NDF: 50.7/43

- sign 538.917+/-529.333 χ^2/NDF: 24.5/22

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1950.787+/-0.730 χ^2/NDF:239493.7/4

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

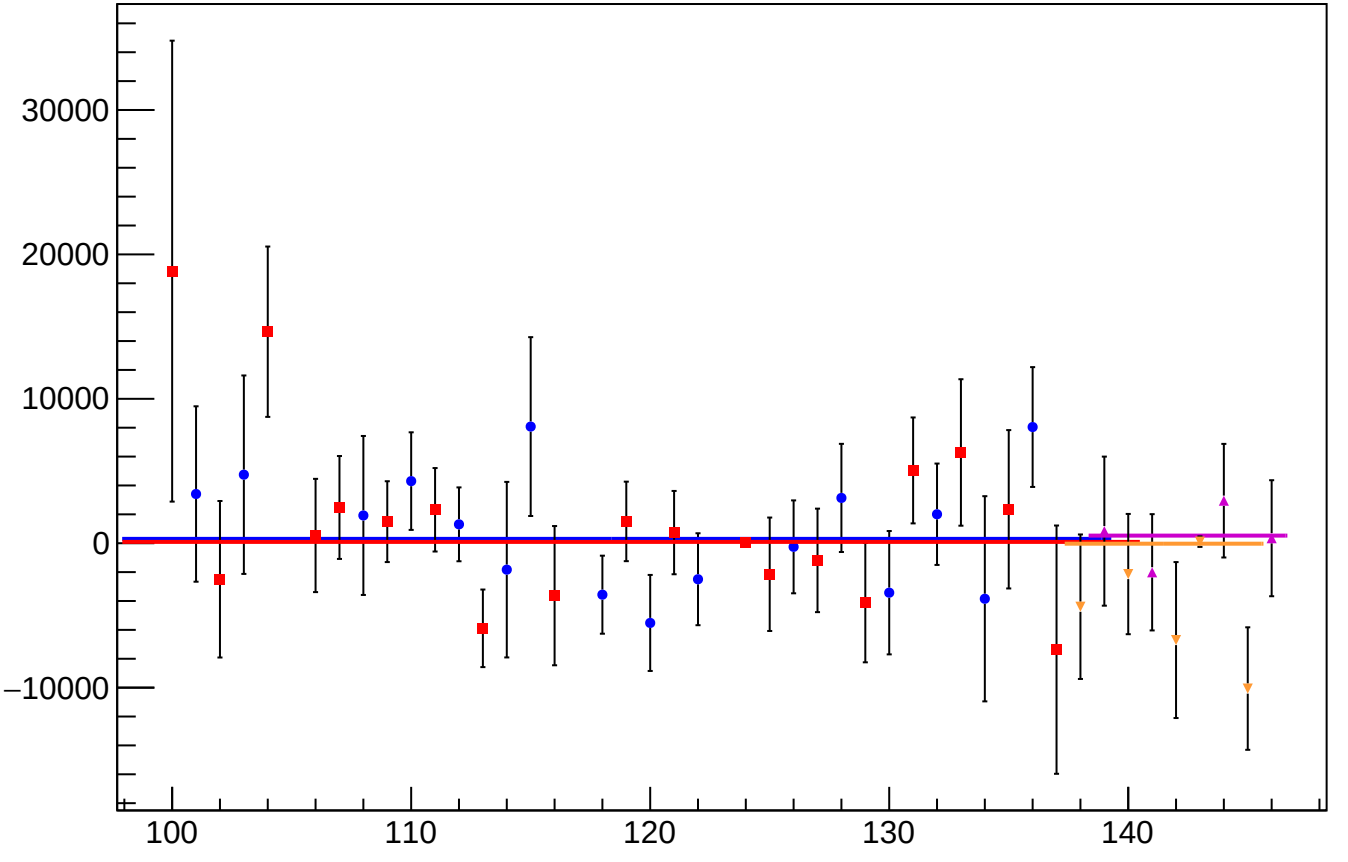
Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

+ sign 1734.983+/-0.376 χ^2/NDF: 502483.2/20

All: 1732.579+/-0.265 χ^2/NDF: 917770.9/43

- sign 1730.207+/-0.373 χ^2/NDF: 415206.4/22

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -32.309+/-359.654 χ^2/NDF:8.3/4

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

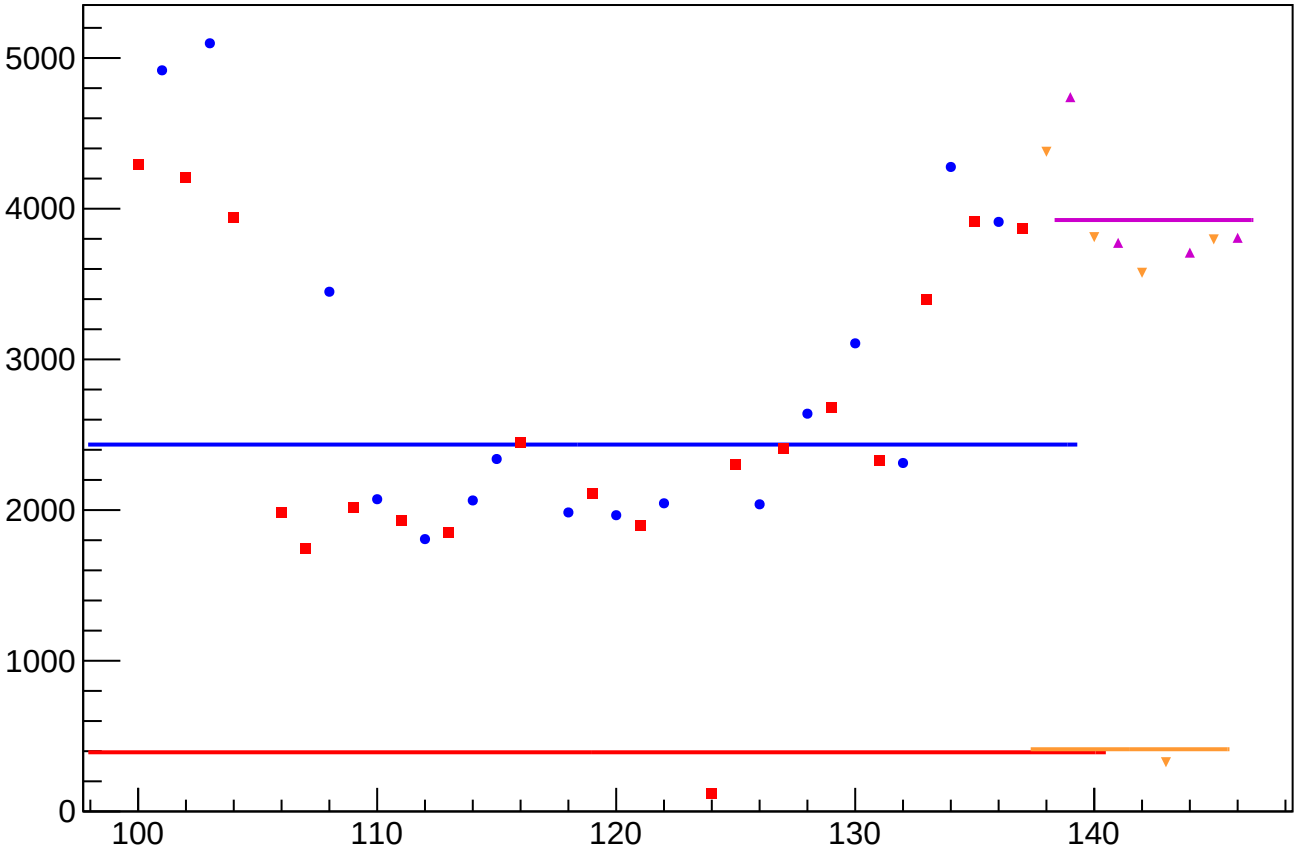
Left In: 527.551+/-2104.179 χ^2/NDF:0.8/3

+ sign 8.746+/-336.836 χ^2/NDF: 23.7/20

All: 58.807+/-228.997 χ^2/NDF: 45.2/43

- sign 101.829+/-312.261 χ^2/NDF: 21.4/22

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 412.858+/-0.254 χ^2/NDF:4658558.3/4

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

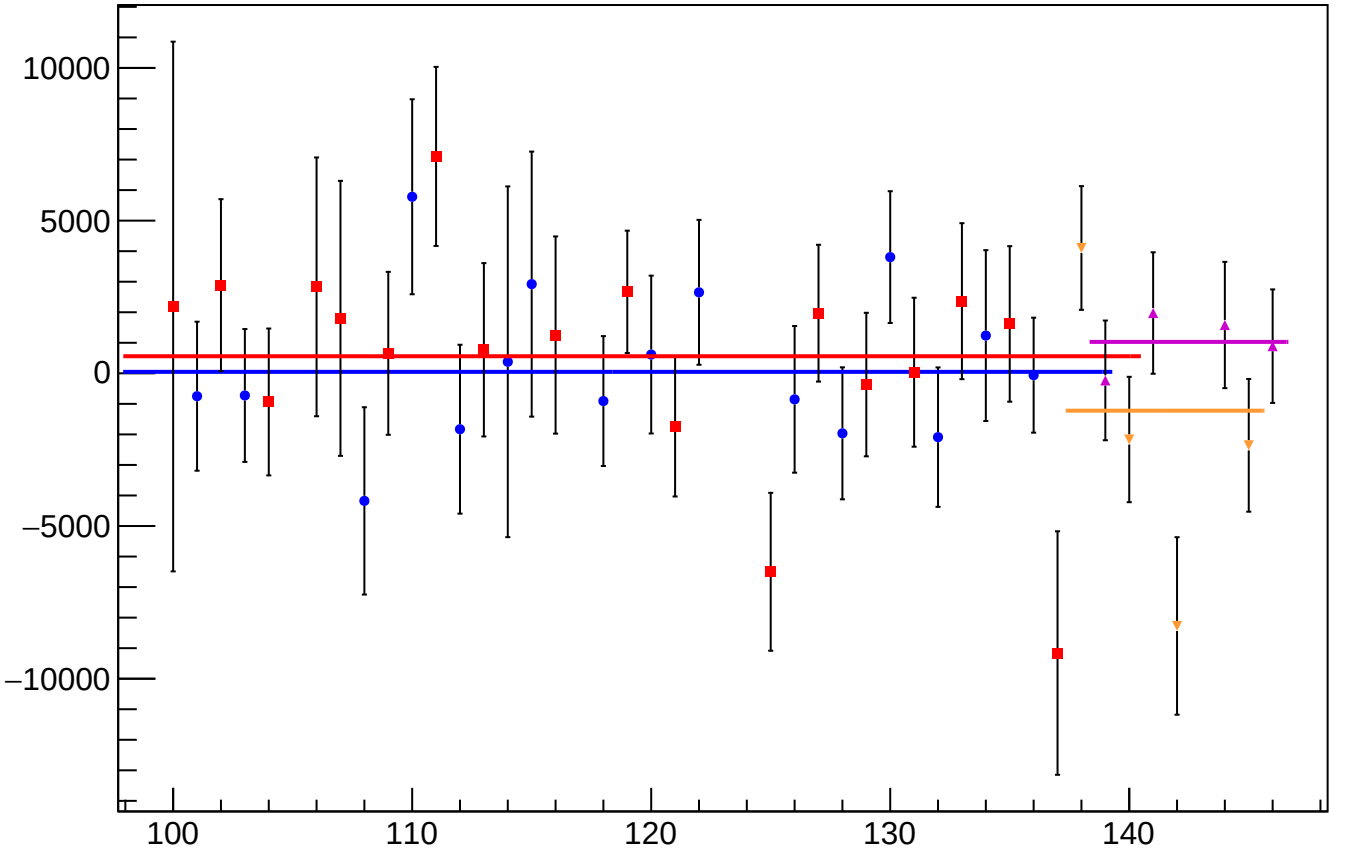
Left In: 3924.855+/-1.488 χ^2/NDF:60543.4/3

+ sign 661.281+/-0.238 χ^2/NDF: 13880841.5/20

All: 558.653+/-0.162 χ^2/NDF: 31206262.1/43

- sign 470.454+/-0.221 χ^2/NDF: 16980197.3/22

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: -1223.293+/-1110.398 χ^2/NDF:13.3/3

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

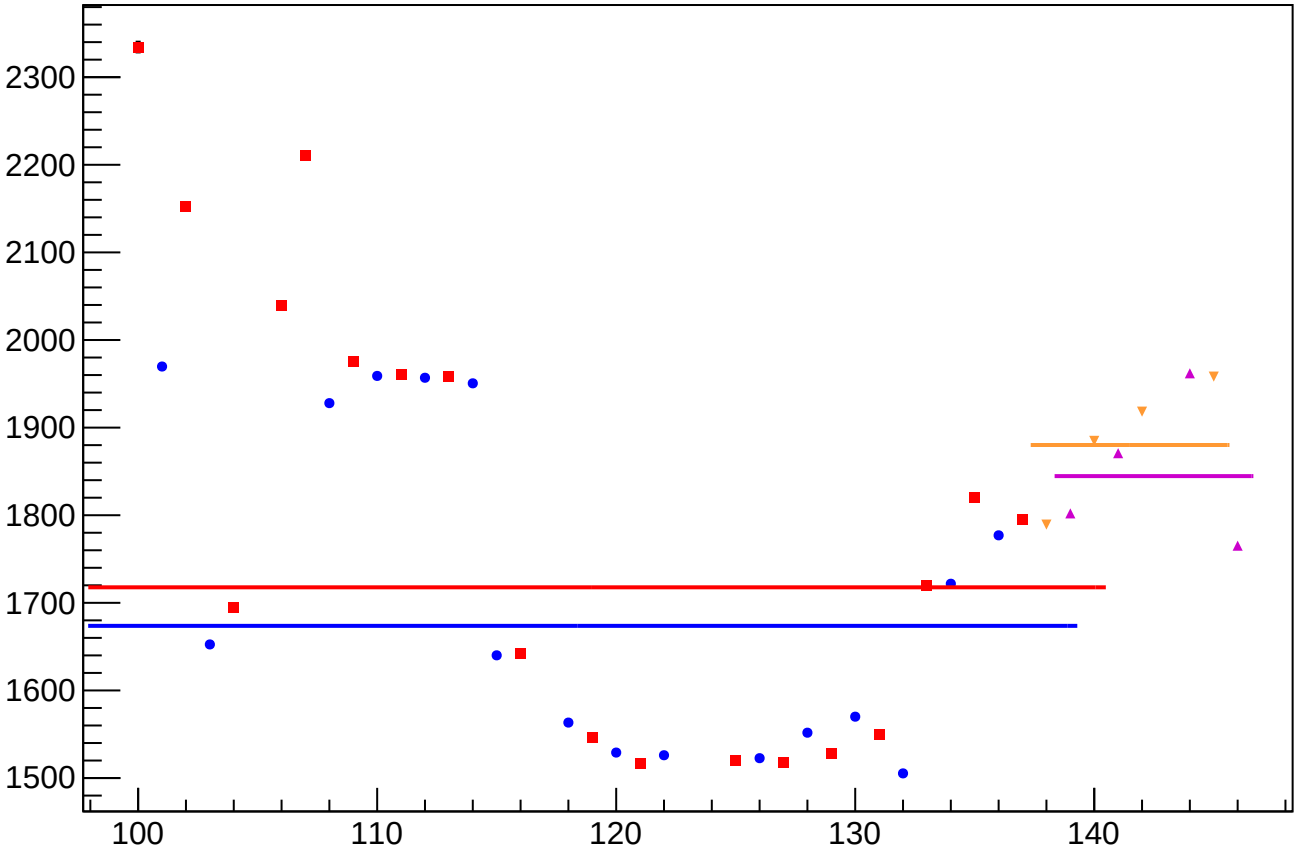
Left In: 1029.255+/-982.242 χ^2/NDF:0.7/3

+ sign -258.465+/-545.412 χ^2/NDF: 27.1/19

All: 226.752+/-383.492 χ^2/NDF: 52.8/41

- sign 701.189+/-539.319 χ^2/NDF: 24.1/21

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1880.161+/-0.785 χ^2/NDF:6955.5/3

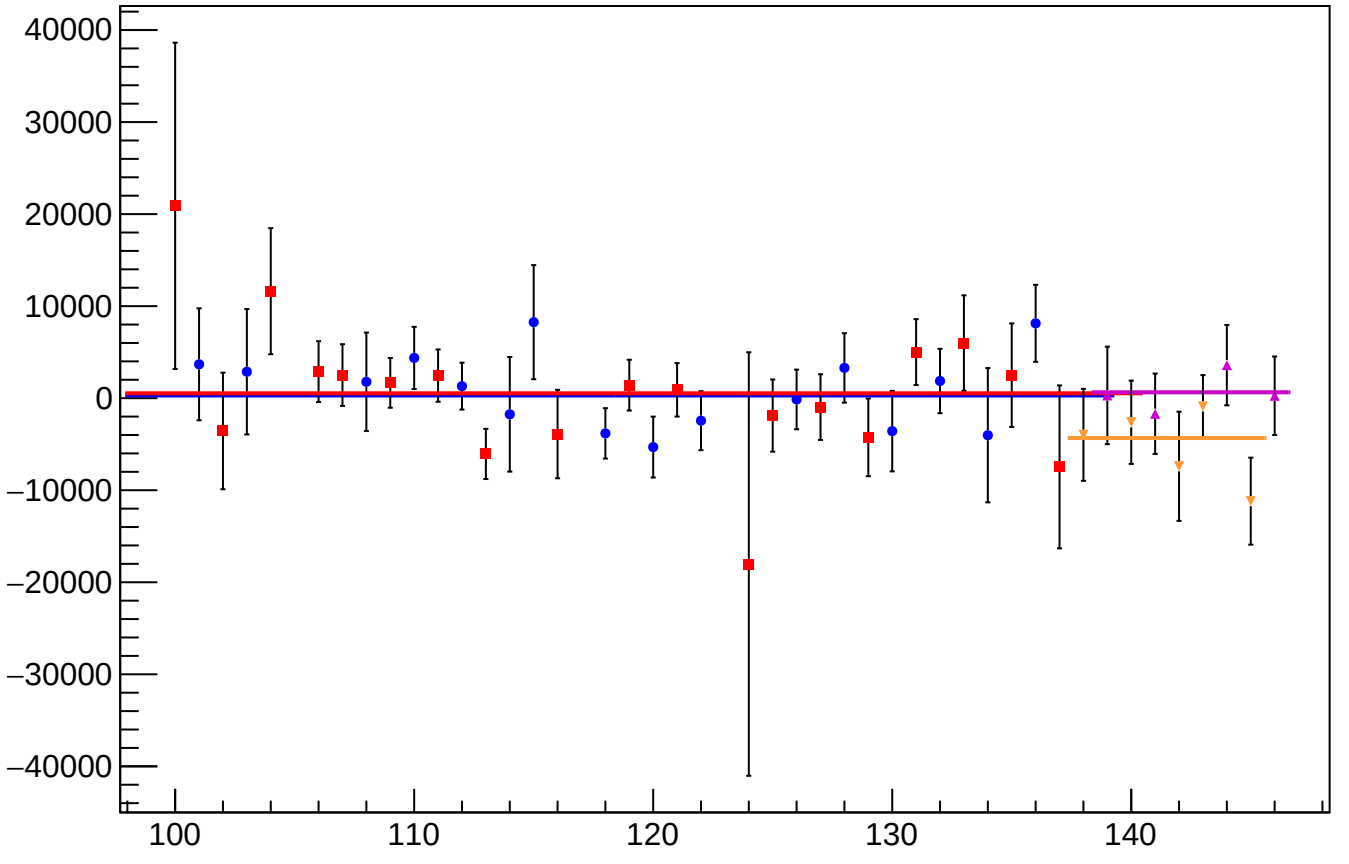
Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1844.655+/-0.695 χ^2/NDF:11378.8/3

+ sign 1723.533+/-0.386 χ^2/NDF: 200275.6/19

All: 1739.904+/-0.271 χ^2/NDF: 466220.6/41

- sign 1755.860+/-0.381 χ^2/NDF: 262387.0/21



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -4328.453+/-2005.805 χ^2/NDF:3.5/4

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

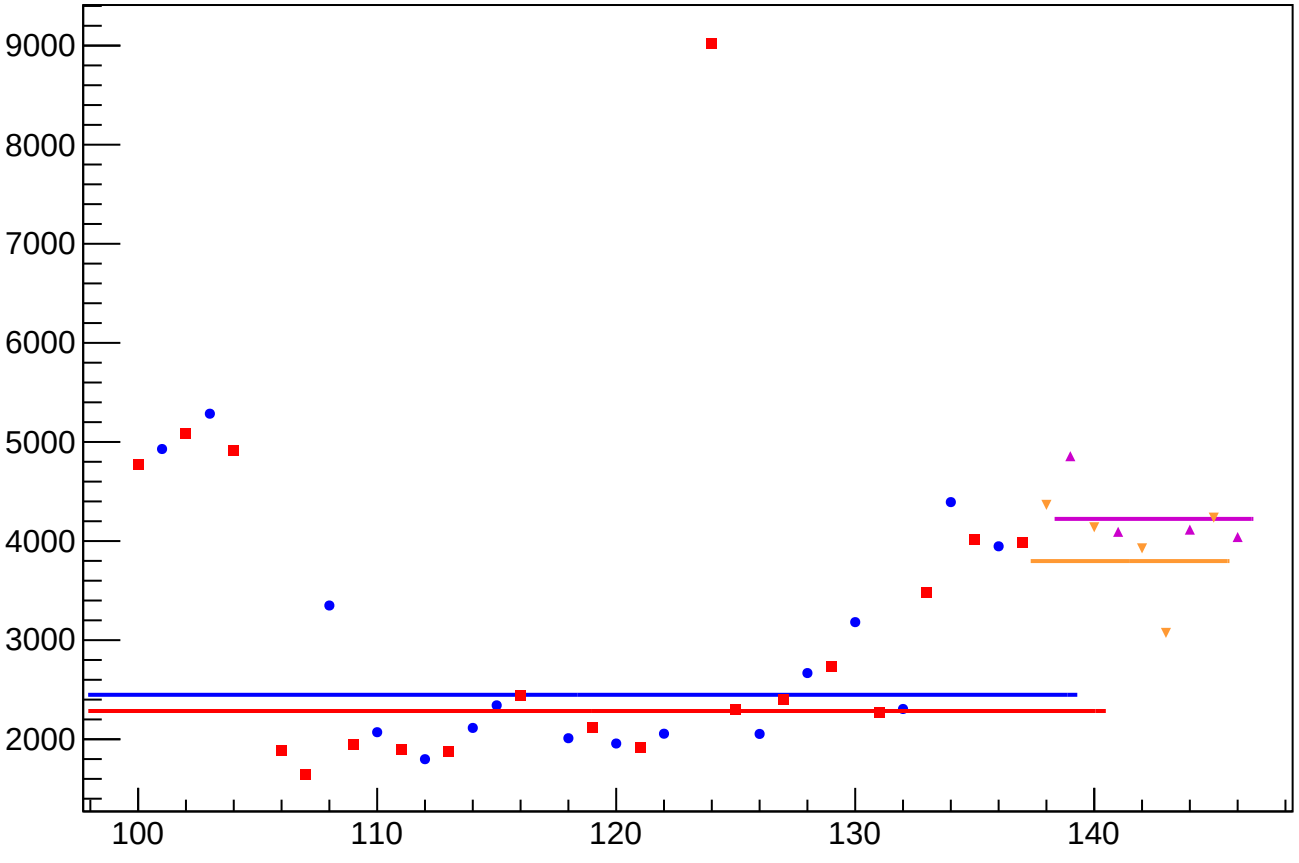
Left In: 640.685+/-2261.434 χ^2/NDF:0.8/3

+ sign -572.303+/-869.359 χ^2/NDF: 23.1/20

All: 17.012+/-597.783 χ^2/NDF: 43.5/43

- sign 545.544+/-823.306 χ^2/NDF: 19.5/22

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3798.029+/-1.418 χ^2/NDF:146090.1/4

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

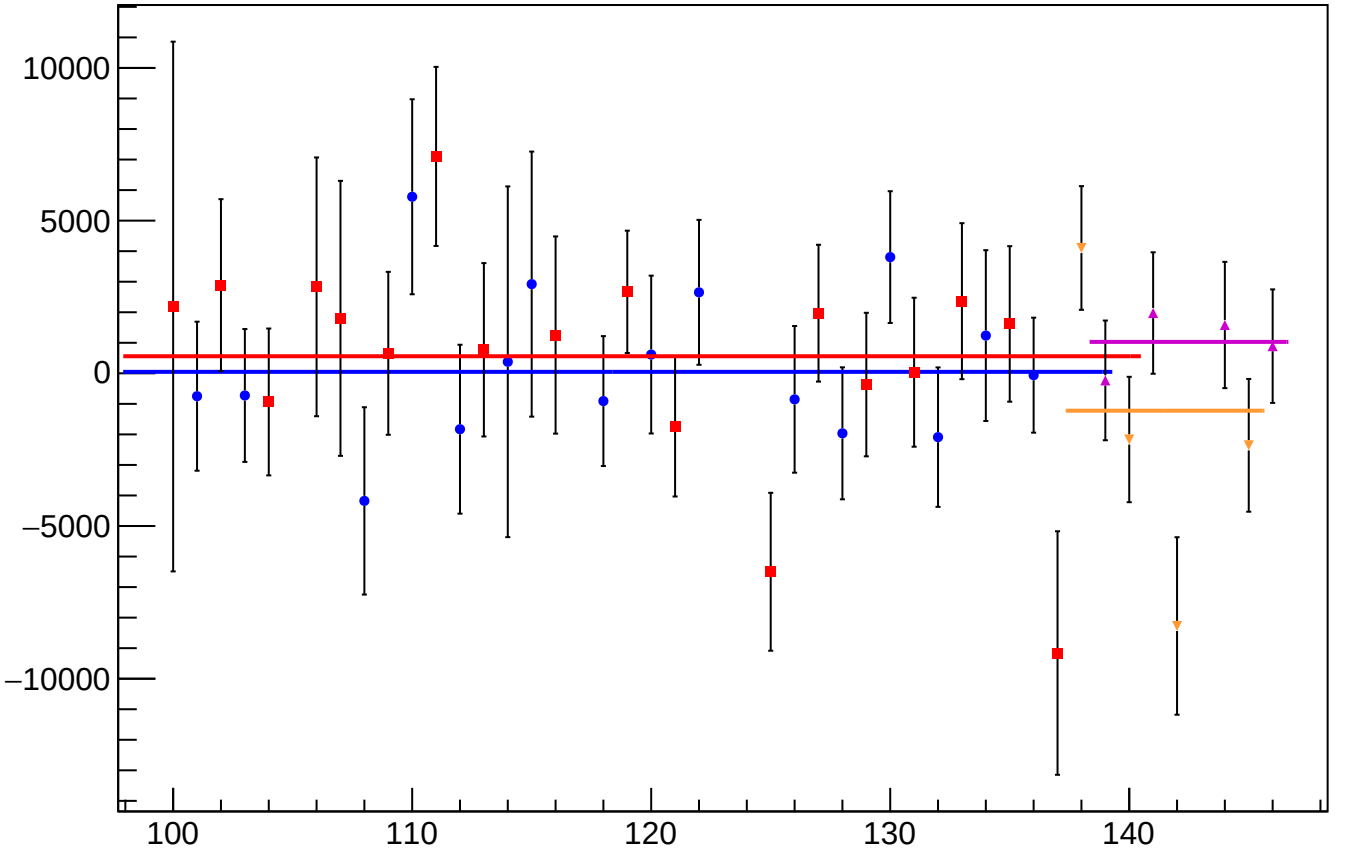
Left In: 4223.739+/-1.599 χ^2/NDF:35242.8/3

+ sign 2702.094+/-0.615 χ^2/NDF: 2398846.0/20

All: 2617.710+/-0.423 χ^2/NDF: 5293667.1/43

- sign 2542.030+/-0.582 χ^2/NDF: 2859078.4/22

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: -1223.310+/-1110.399 χ^2/NDF:13.3/3

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

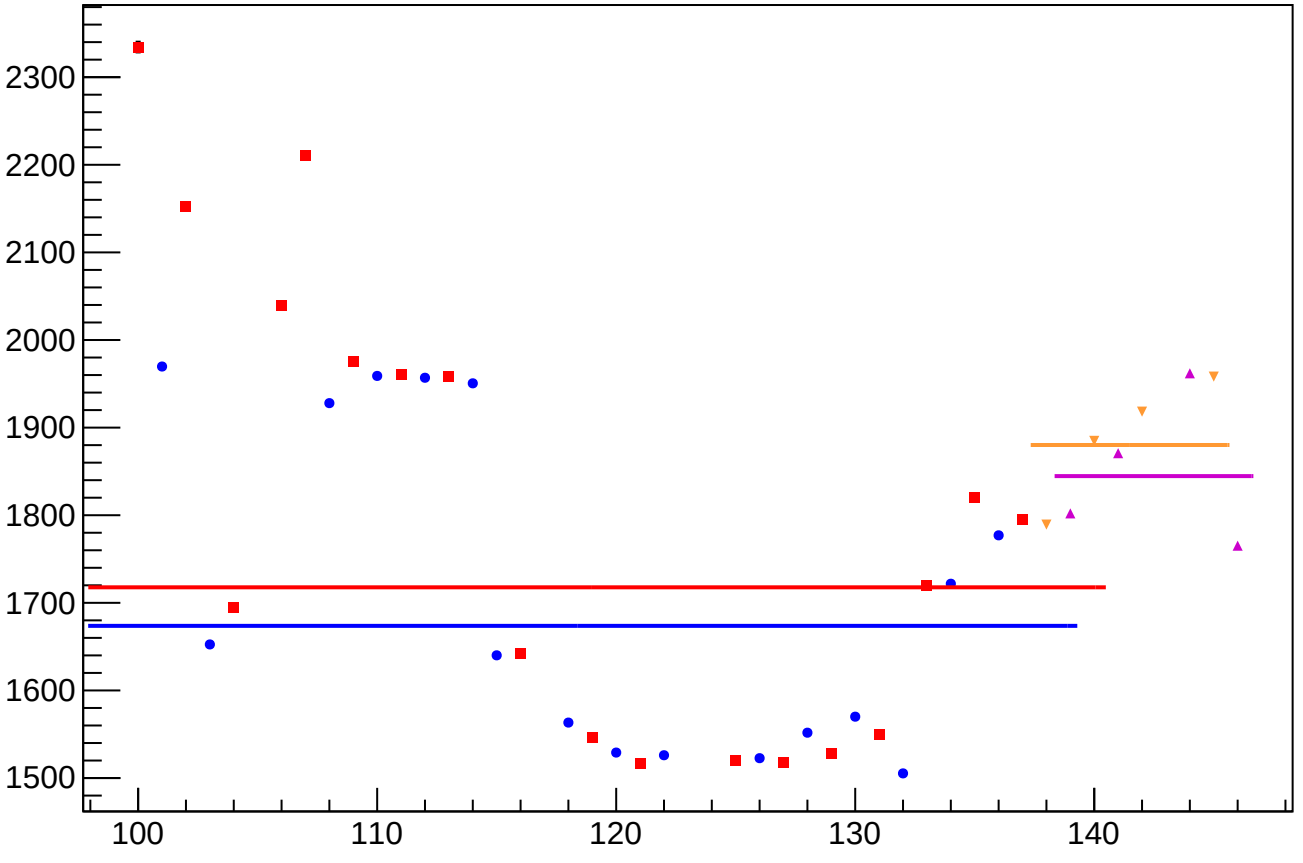
Left In: 1029.260+/-982.242 χ^2/NDF:0.7/3

+ sign -258.471+/-545.412 χ^2/NDF: 27.1/19

All: 226.750+/-383.492 χ^2/NDF: 52.8/41

- sign 701.192+/-539.319 χ^2/NDF: 24.1/21

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1880.162+/-0.785 χ^2/NDF:6955.7/3

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

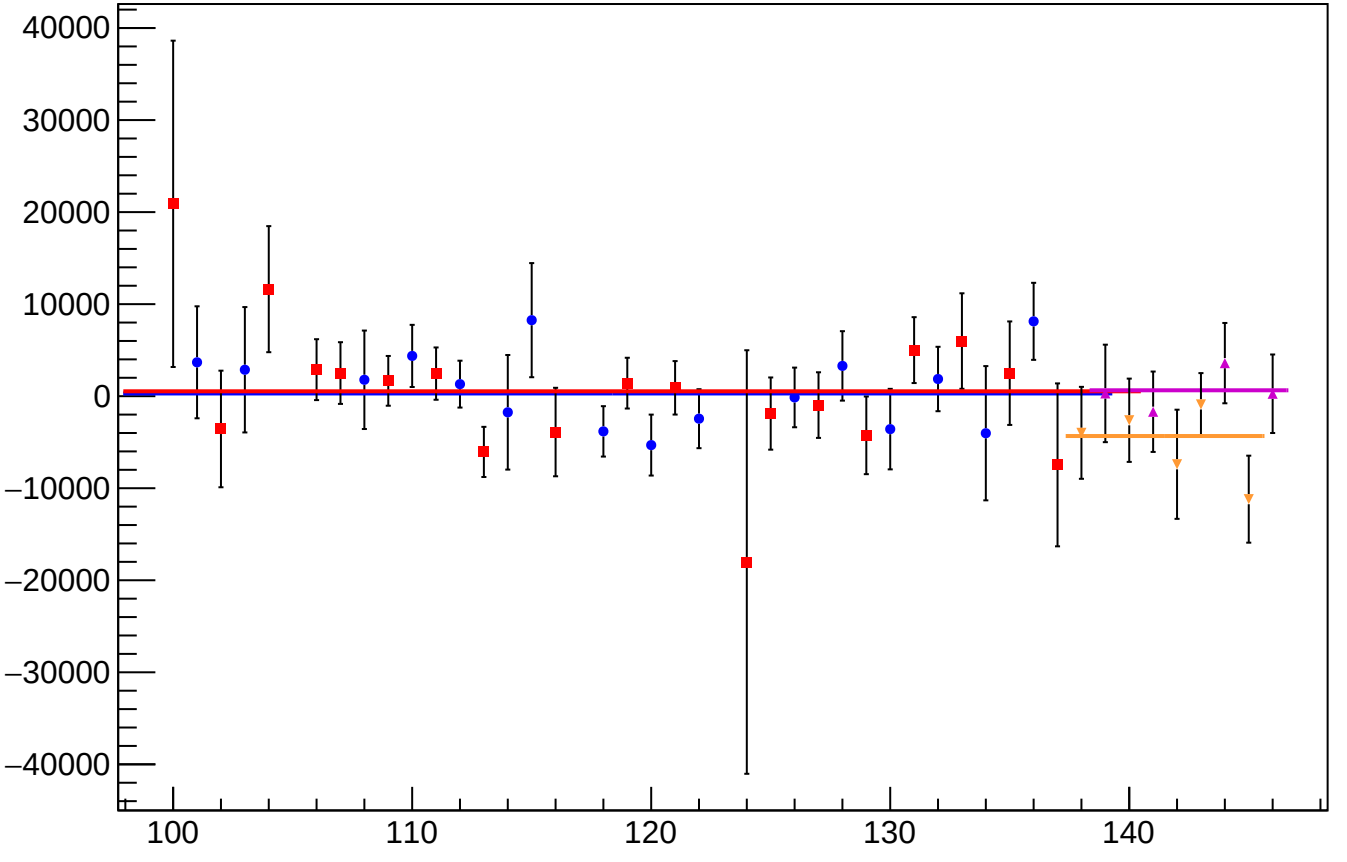
Left In: 1844.656+/-0.695 χ^2/NDF:11378.9/3

\+ sign 1723.533+/-0.386 χ^2/NDF: 200276.5/19

All: 1739.904+/-0.271 χ^2/NDF: 466221.4/41

\- sign 1755.860+/-0.381 χ^2/NDF: 262386.8/21

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -4328.461+/-2005.809 χ^2/NDF:3.5/4

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

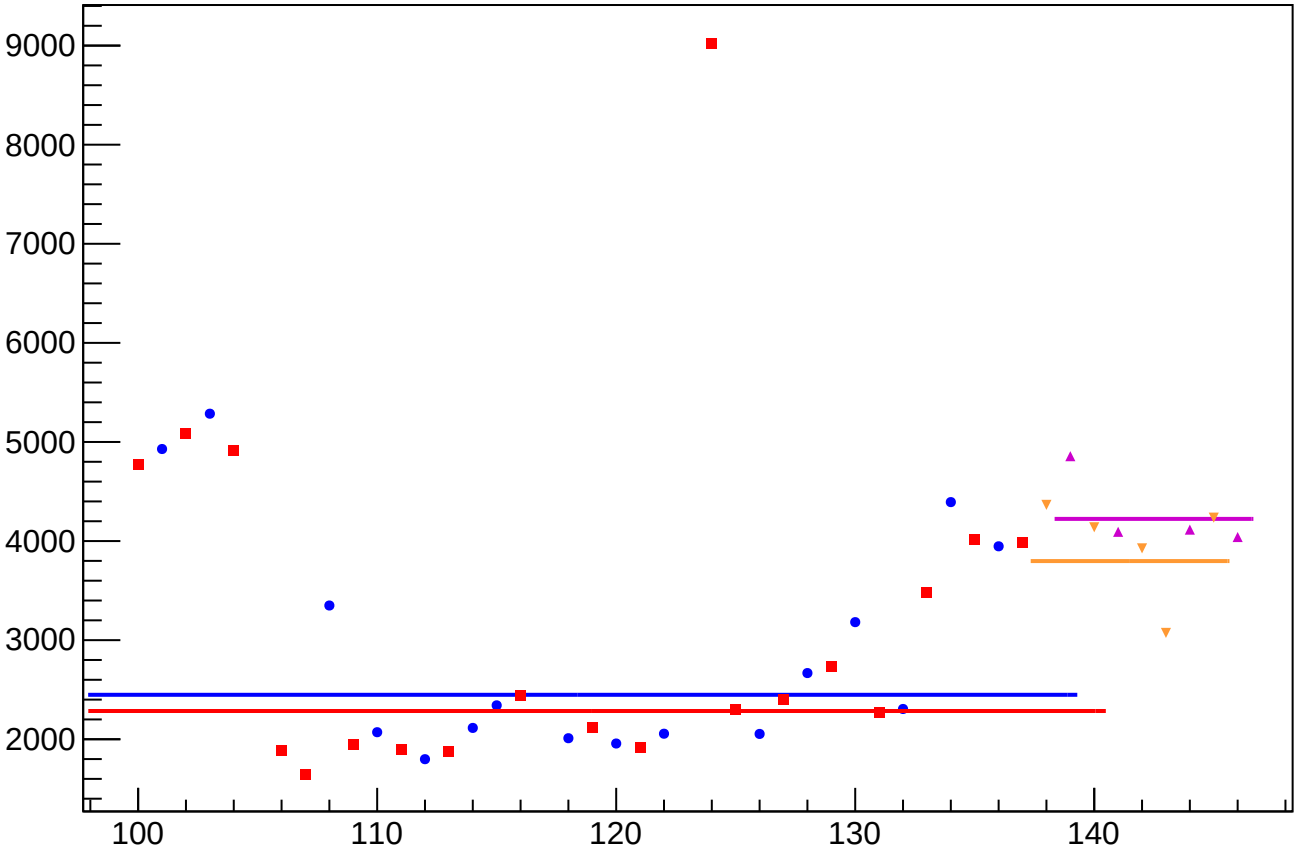
Left In: 640.687+/-2261.439 χ^2/NDF:0.8/3

\+ sign -572.301+/-869.356 χ^2/NDF: 23.1/20

All: 17.014+/-597.781 χ^2/NDF: 43.5/43

\- sign 545.546+/-823.303 χ^2/NDF: 19.5/22

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3798.036+/-1.418 χ^2/NDF:146092.9/4

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

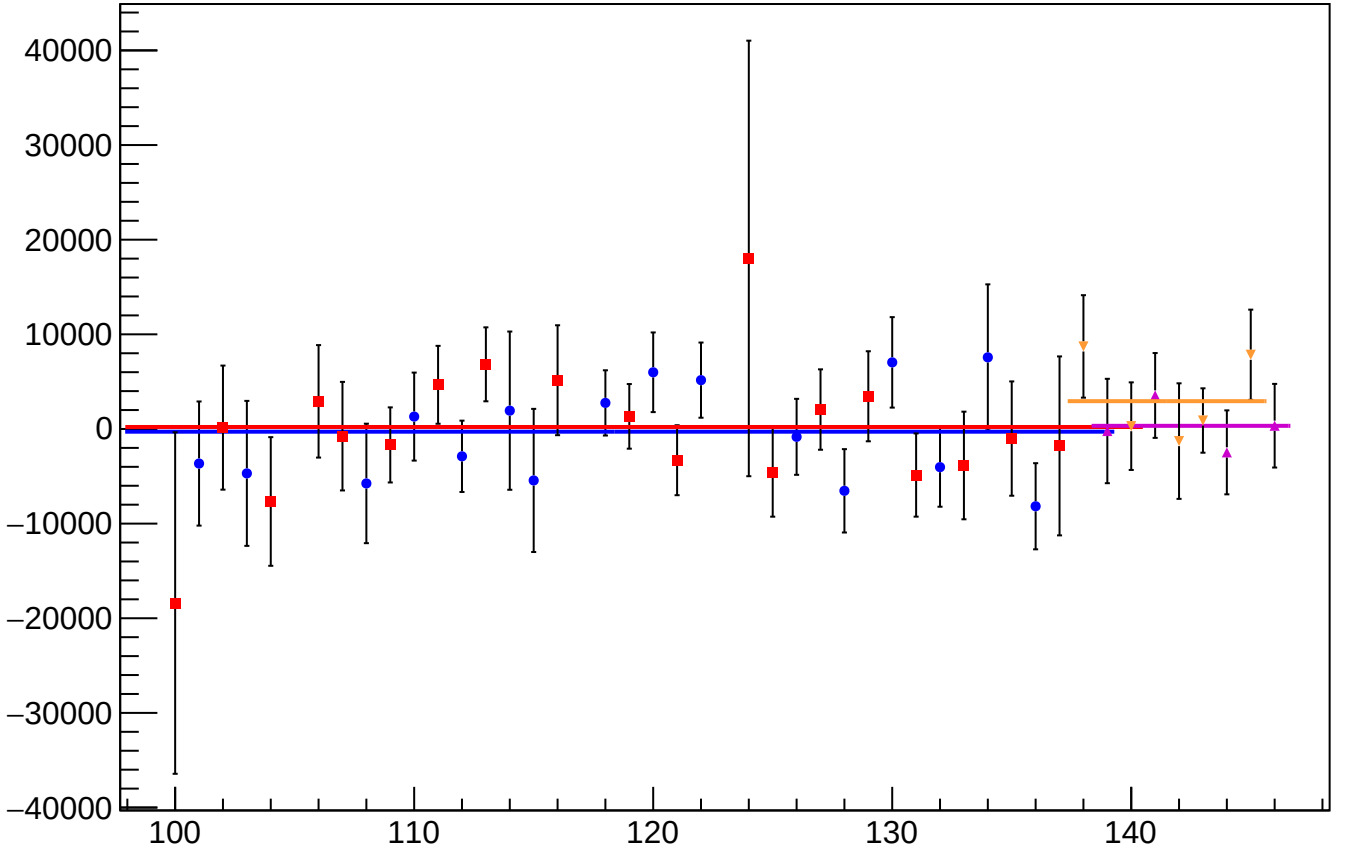
Left In: 4223.748+/-1.599 χ^2/NDF:35243.7/3

+ sign 2702.084+/-0.615 χ^2/NDF: 2398879.2/20

All: 2617.701+/-0.423 χ^2/NDF: 5293728.2/43

- sign 2542.021+/-0.582 χ^2/NDF: 2859106.5/22

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 2937.794+/-2049.535 χ^2/NDF:3.4/4

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

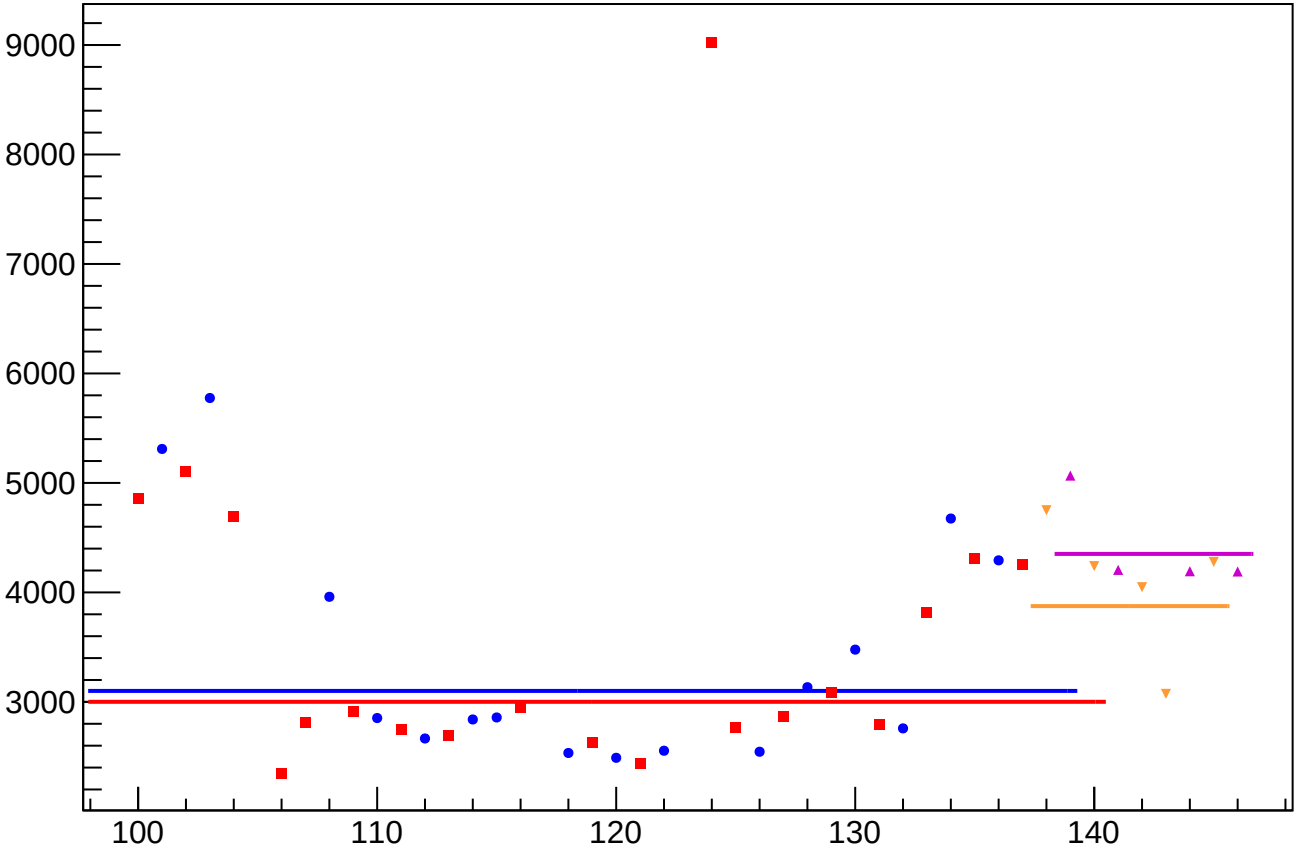
Left In: 332.172+/-2326.877 χ^2/NDF:0.9/3

+ sign 533.340+/-1033.846 χ^2/NDF: 21.8/20

All: 383.485+/-730.972 χ^2/NDF: 35.6/43

- sign 233.686+/-1033.656 χ^2/NDF: 13.8/22

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3874.908+/-1.449 χ^2/NDF:191770.7/4

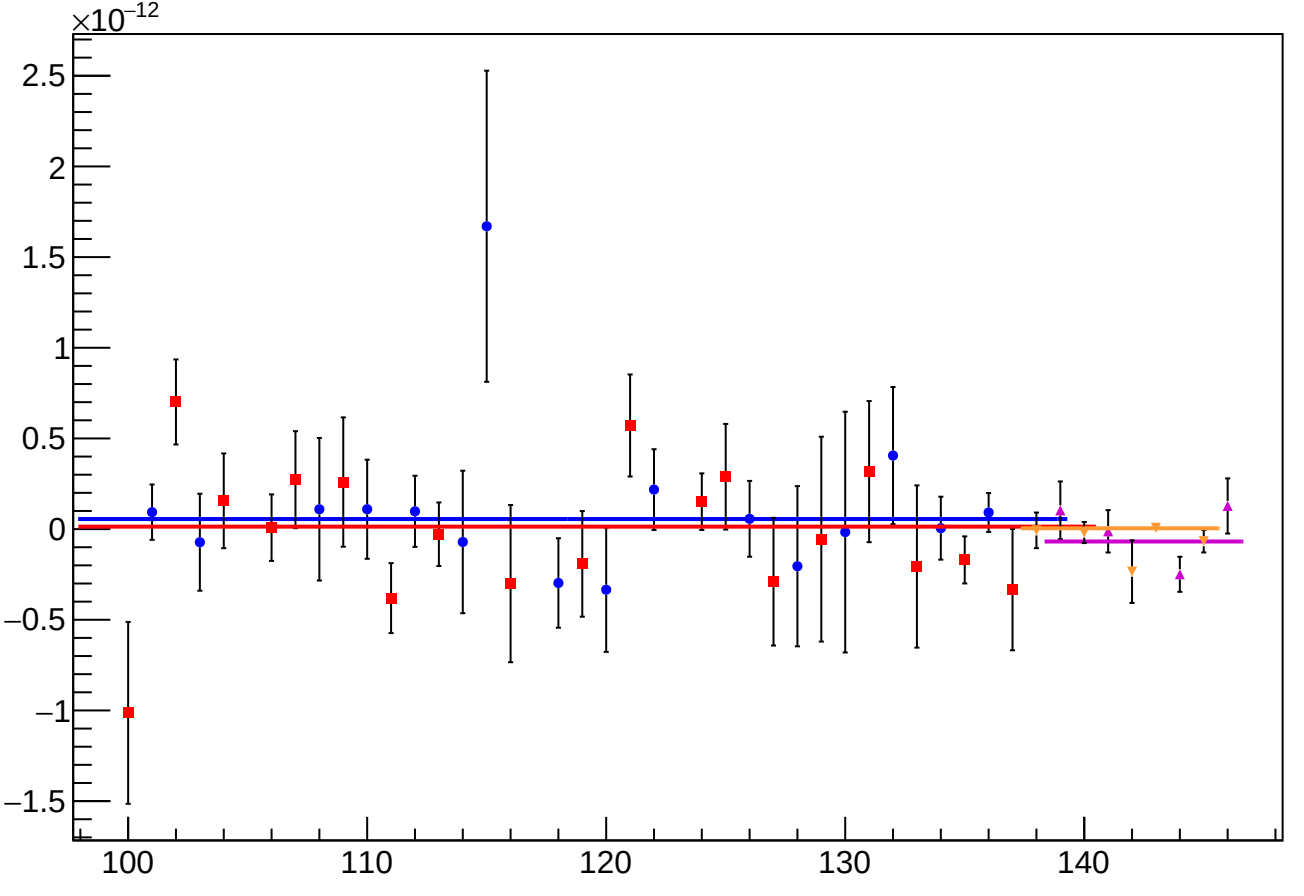
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4351.601+/-1.645 χ^2/NDF:40943.5/3

+ sign 3297.275+/-0.731 χ^2/NDF: 1368522.0/20

All: 3279.215+/-0.514 χ^2/NDF: 2761195.8/43

- sign 3261.552+/-0.723 χ^2/NDF: 1391466.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/4

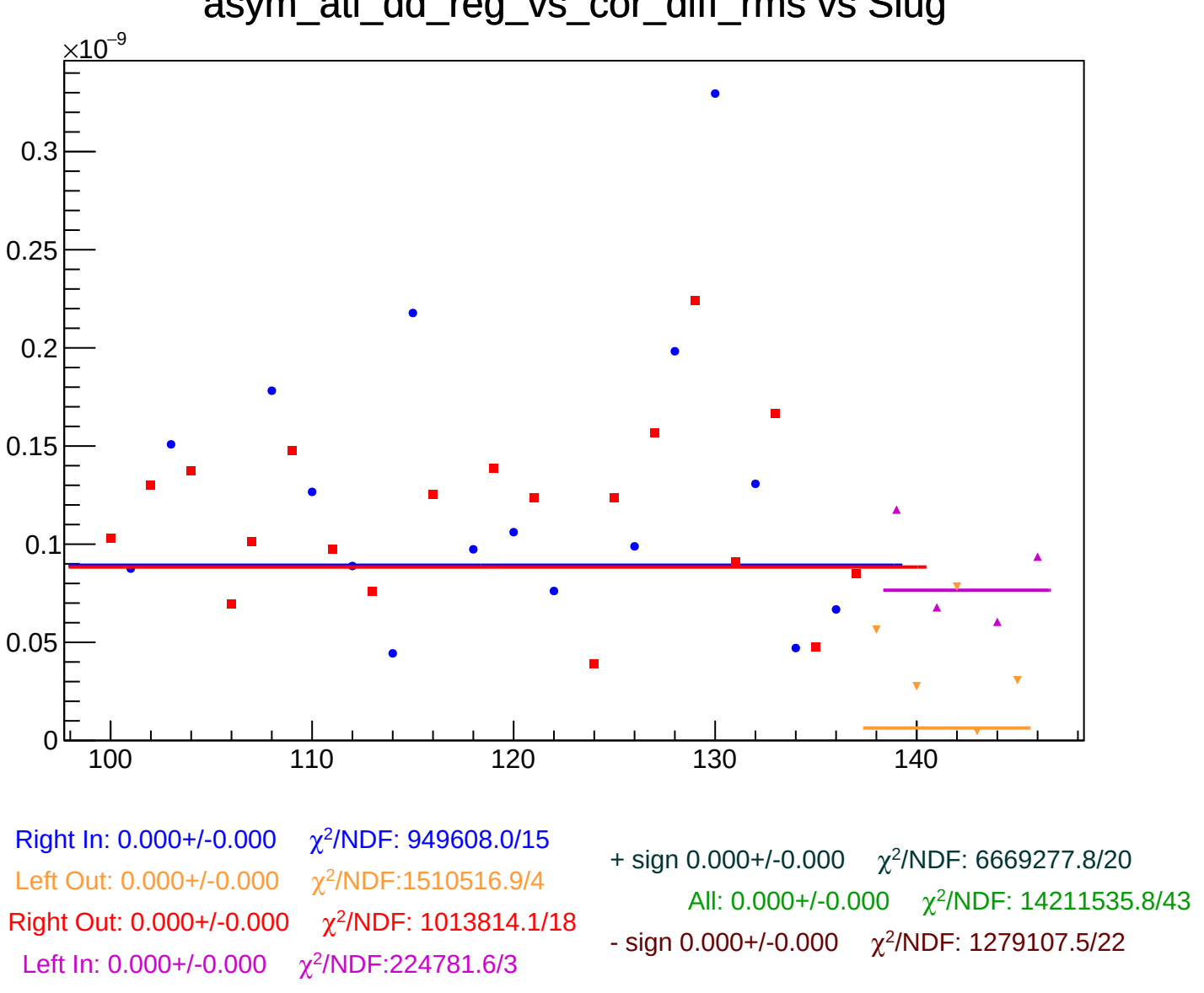
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/3

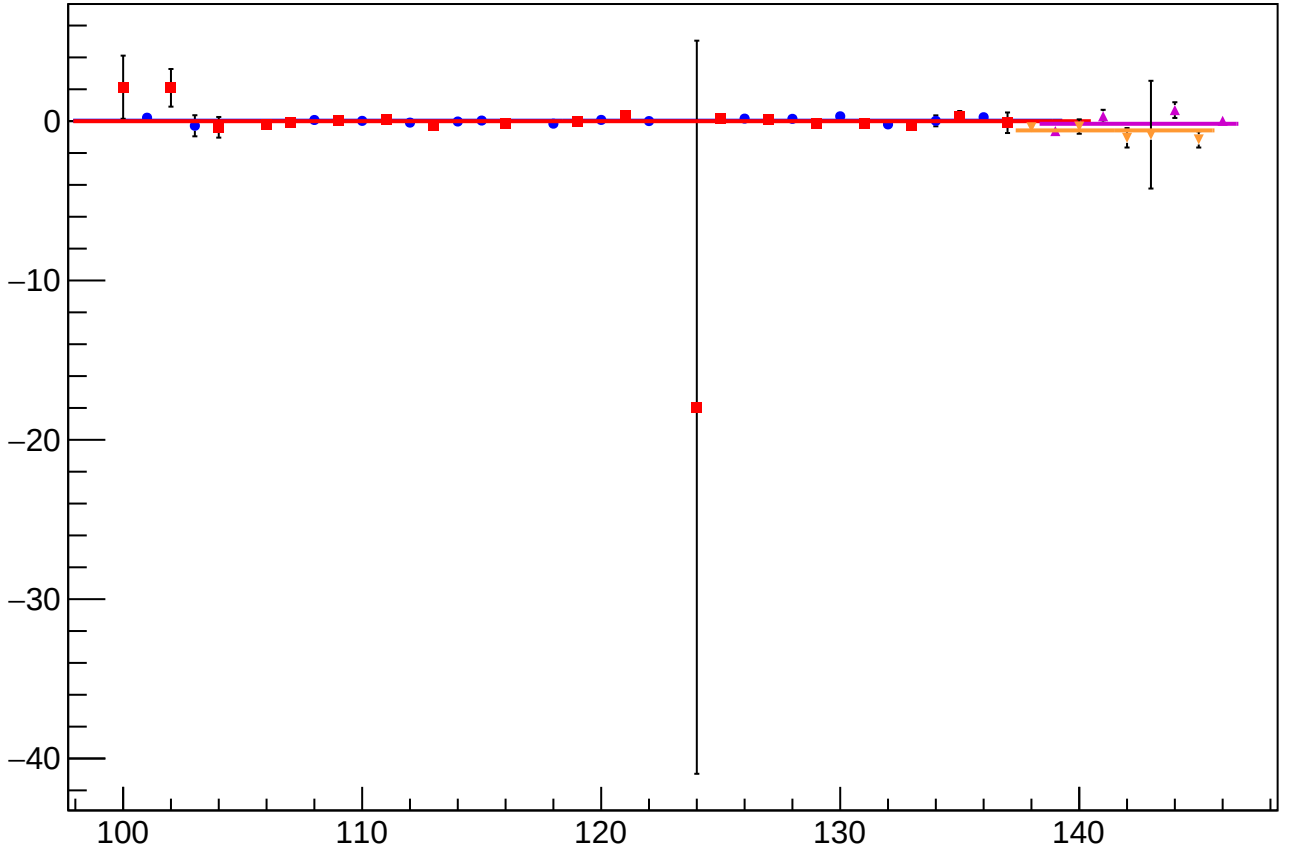
+ sign 0.000+/-0.000 χ^2/NDF: 13.6/20

All: 0.000+/-0.000 χ^2/NDF: 51.7/43

- sign -0.000+/-0.000 χ^2/NDF: 37.6/22


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
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1510516.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:224781.6/3
+ sign 0.000+/-0.000 χ²/NDF: 6669277.8/20
All: 0.000+/-0.000 χ²/NDF: 14211535.8/43
- sign 0.000+/-0.000 χ²/NDF: 1279107.5/22

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.581+/-0.208 χ^2/NDF:2.5/4

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

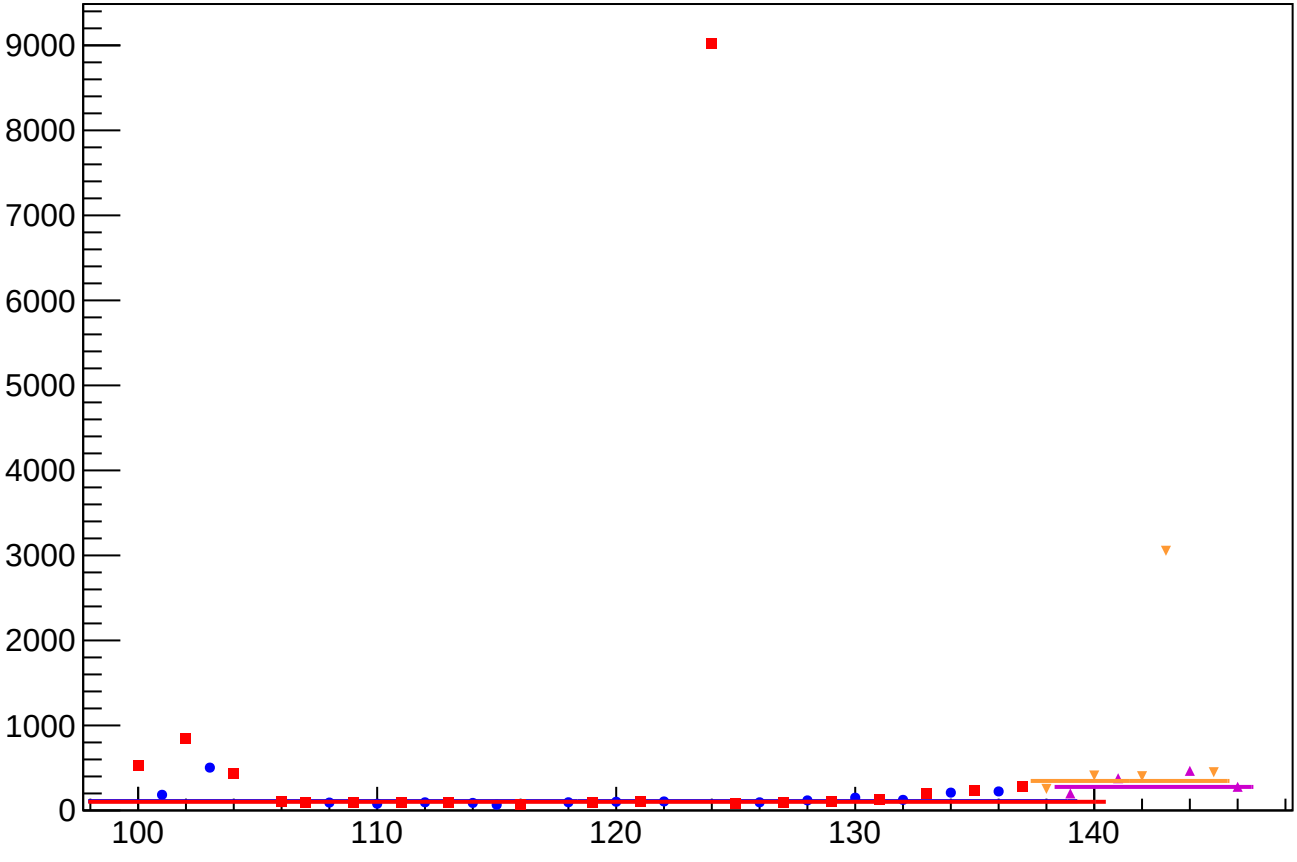
Left In: -0.166+/-0.158 χ^2/NDF:8.7/3

+ sign 0.000+/-0.044 χ^2/NDF: 19.6/20

All: -0.008+/-0.030 χ^2/NDF: 51.7/43

- sign -0.015+/-0.042 χ^2/NDF: 32.0/22

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 347.195+/-0.147 χ^2/NDF:1624044.5/4

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

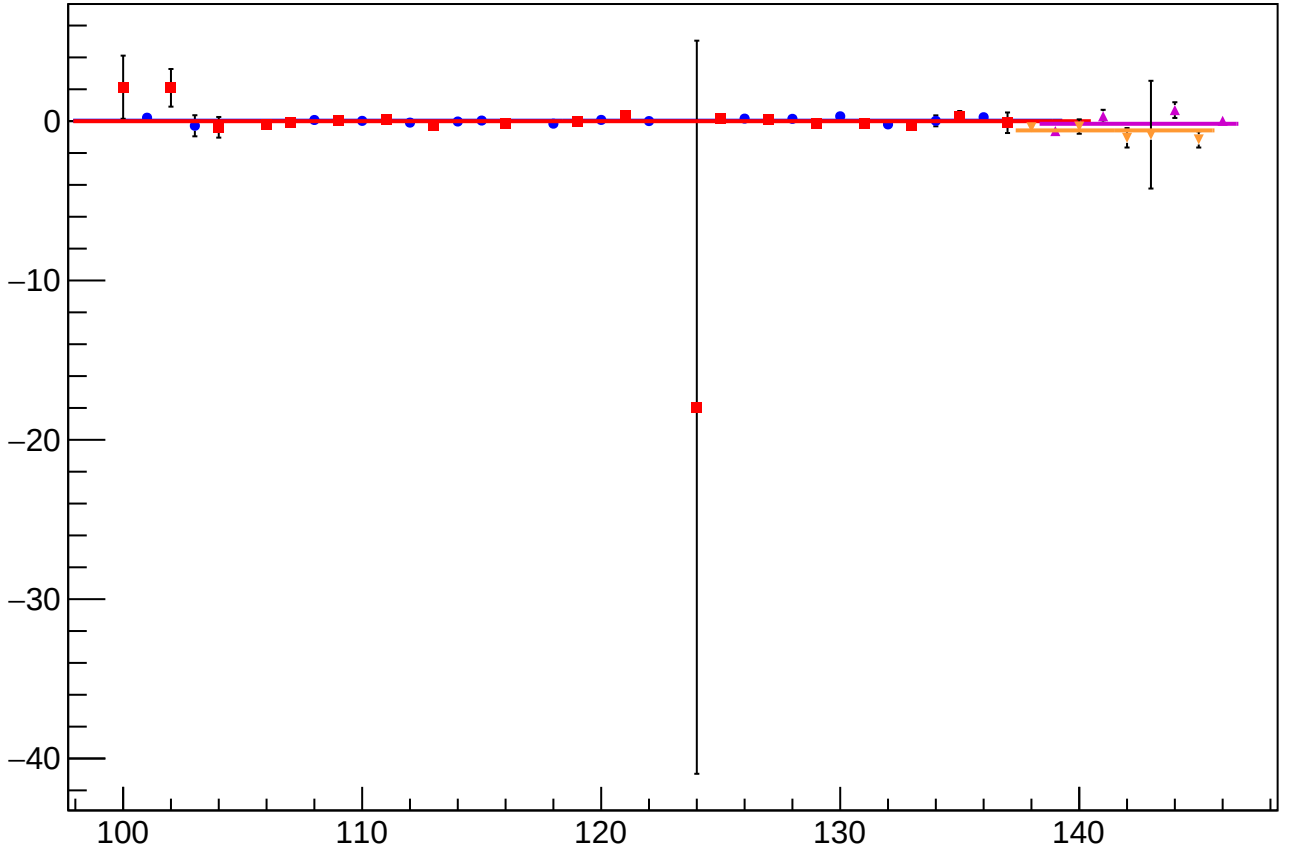
Left In: 276.849+/-0.112 χ^2/NDF:639118.7/3

+ sign 120.758+/-0.031 χ^2/NDF: 6044317.3/20

All: 117.220+/-0.021 χ^2/NDF: 11568850.5/43

- sign 114.060+/-0.030 χ^2/NDF: 5500342.7/22

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.581+/-0.208 χ^2/NDF:2.5/4

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

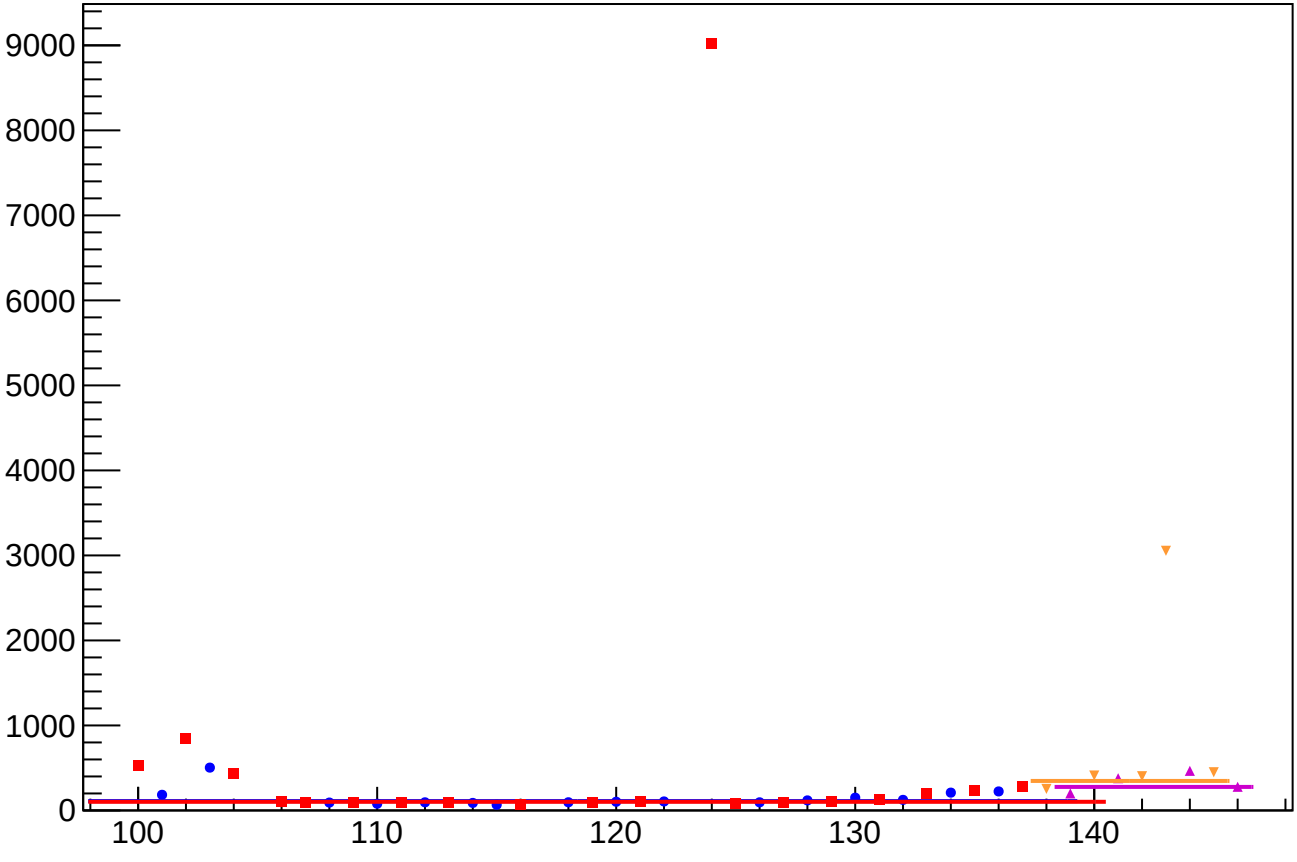
Left In: -0.166+/-0.158 χ^2/NDF:8.7/3

+ sign 0.000+/-0.044 χ^2/NDF: 19.6/20

All: -0.008+/-0.030 χ^2/NDF: 51.7/43

- sign -0.015+/-0.042 χ^2/NDF: 32.0/22

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: 347.195+/-0.147 χ^2/NDF:1624044.5/4

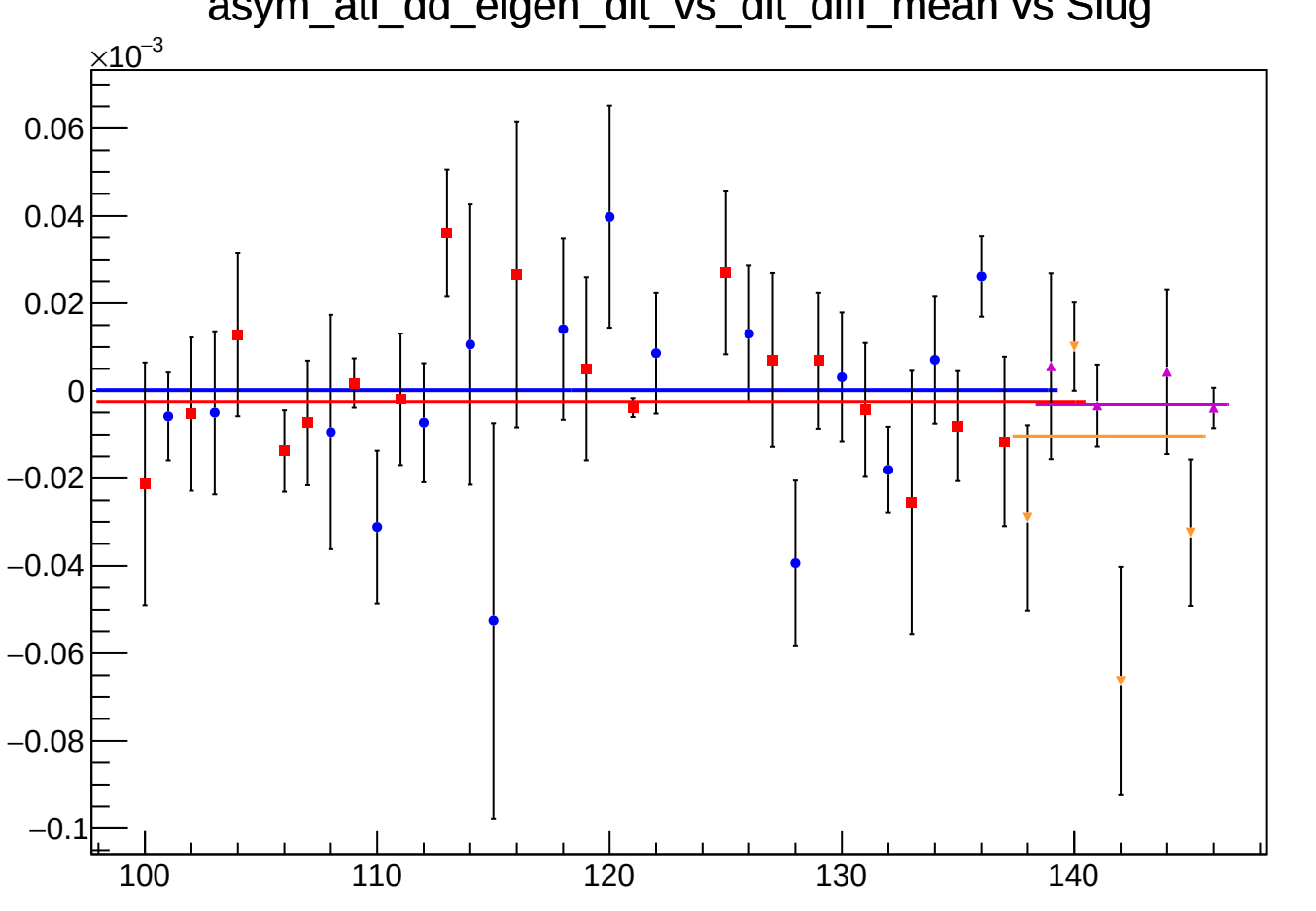
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.849+/-0.112 χ^2/NDF:639118.7/3

+ sign 120.758+/-0.031 χ^2/NDF: 6044317.3/20

All: 117.220+/-0.021 χ^2/NDF: 11568850.5/43

- sign 114.060+/-0.030 χ^2/NDF: 5500342.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

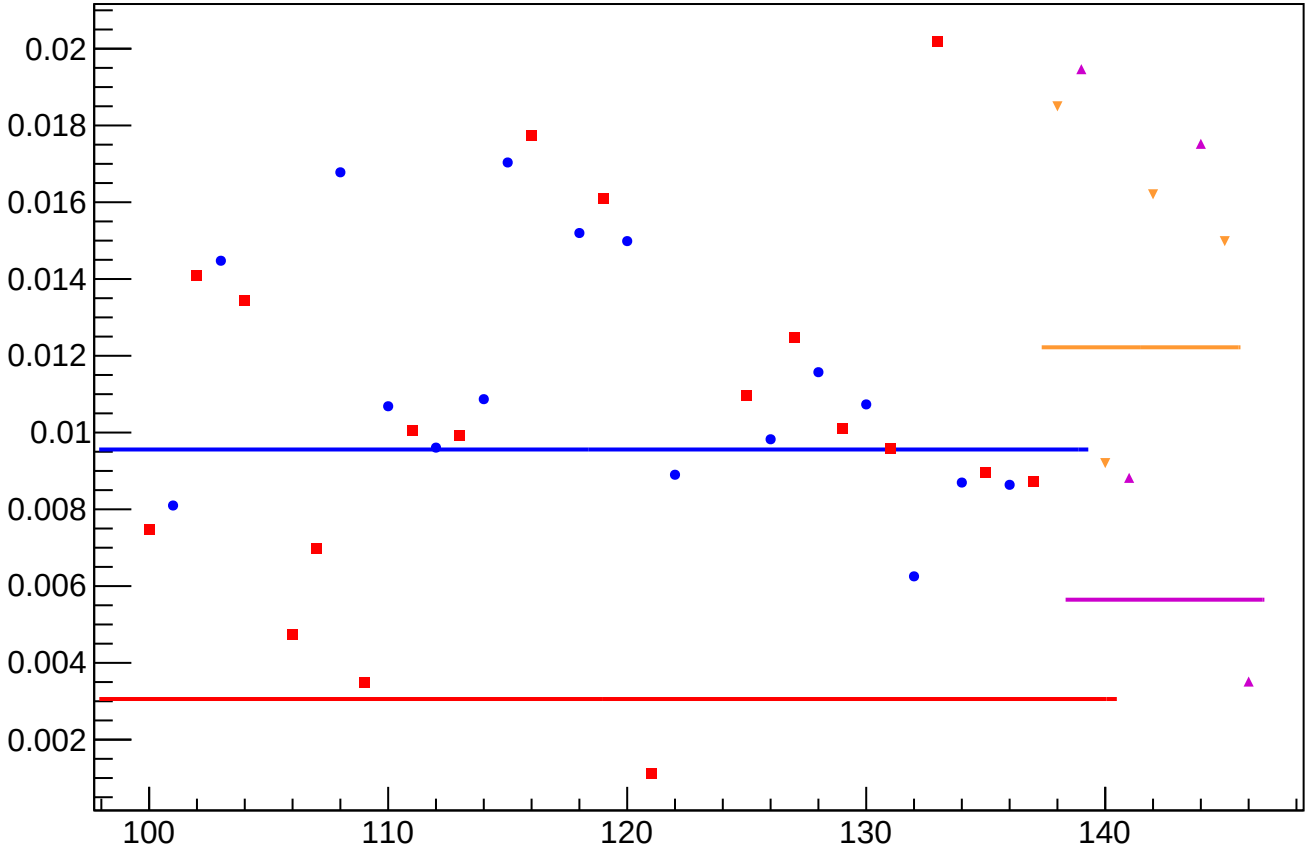
Left In: -0.000+/-0.000 χ^2/NDF:0.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 38.4/19

All: -0.000+/-0.000 χ^2/NDF: 54.6/41

- sign -0.000+/-0.000 χ^2/NDF: 16.2/21

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:457265.6/3

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

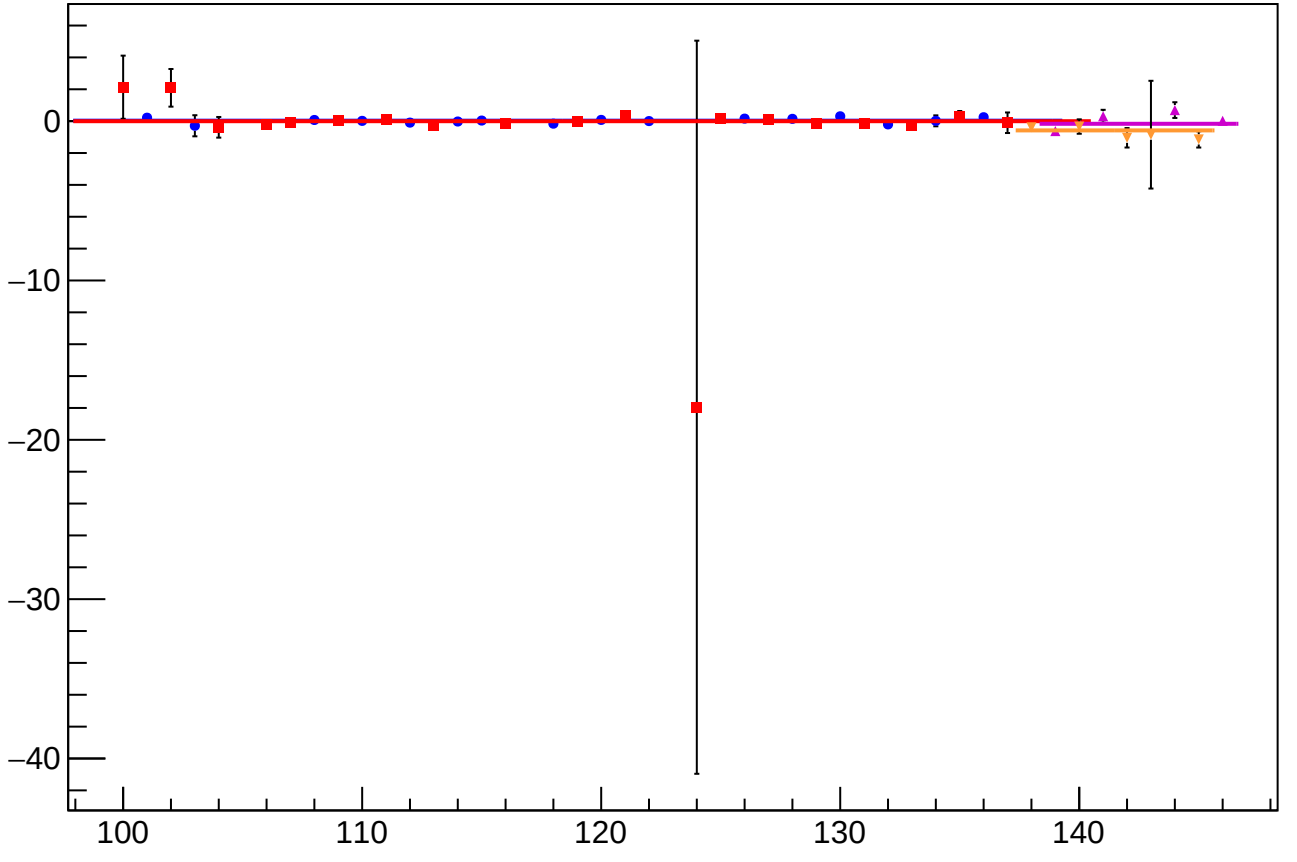
Left In: 0.006+/-0.000 χ^2/NDF:2299775.0/3

+ sign 0.010+/-0.000 χ^2/NDF: 1579604.9/19

All: 0.005+/-0.000 χ^2/NDF: 18854160.9/41

- sign 0.004+/-0.000 χ^2/NDF: 11121688.4/21

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: -0.581+/-0.208 χ^2/NDF:2.5/4

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

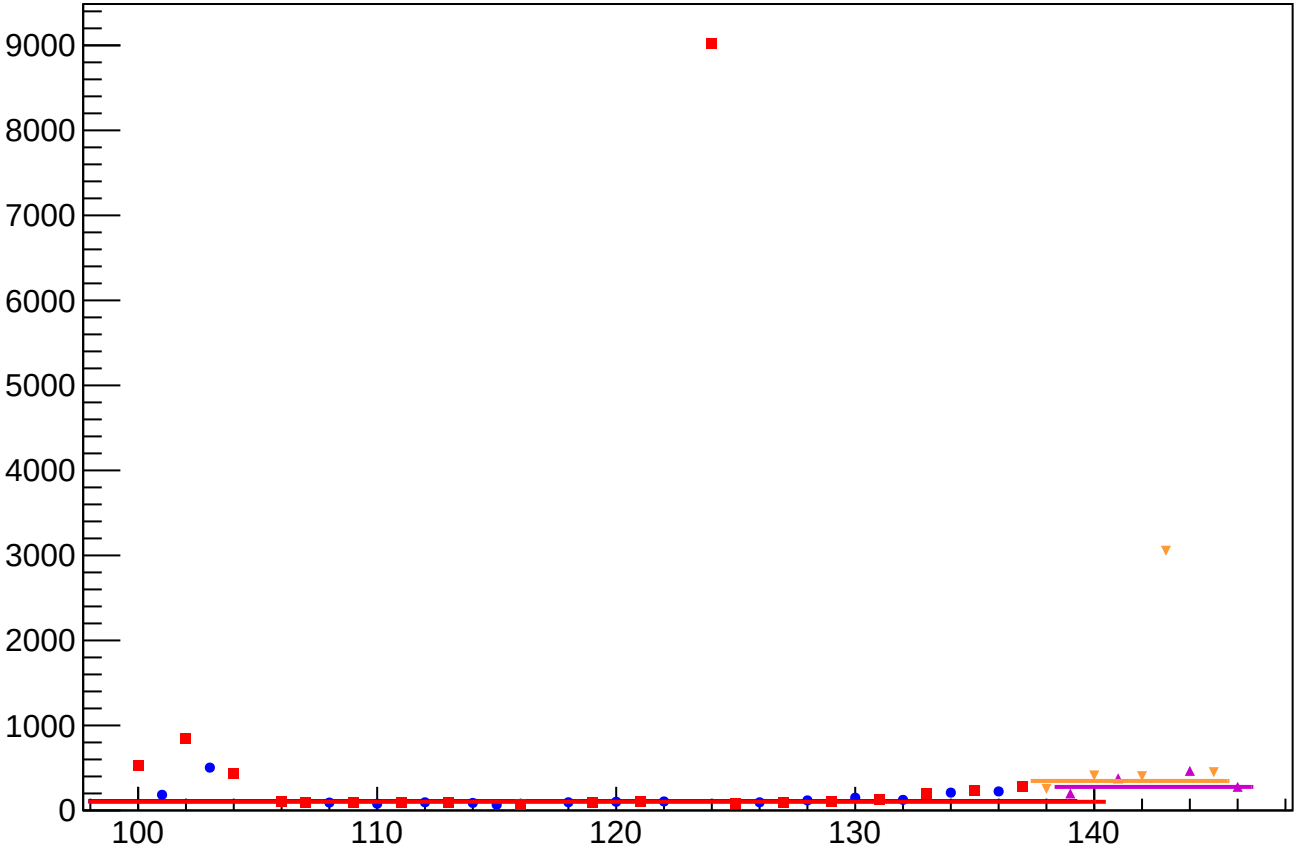
Left In: -0.166+/-0.158 χ^2/NDF:8.7/3

+ sign 0.000+/-0.044 χ^2/NDF: 19.6/20

All: -0.008+/-0.030 χ^2/NDF: 51.7/43

- sign -0.015+/-0.042 χ^2/NDF: 32.0/22

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: 347.200+/-0.147 χ^2/NDF:1624054.0/4

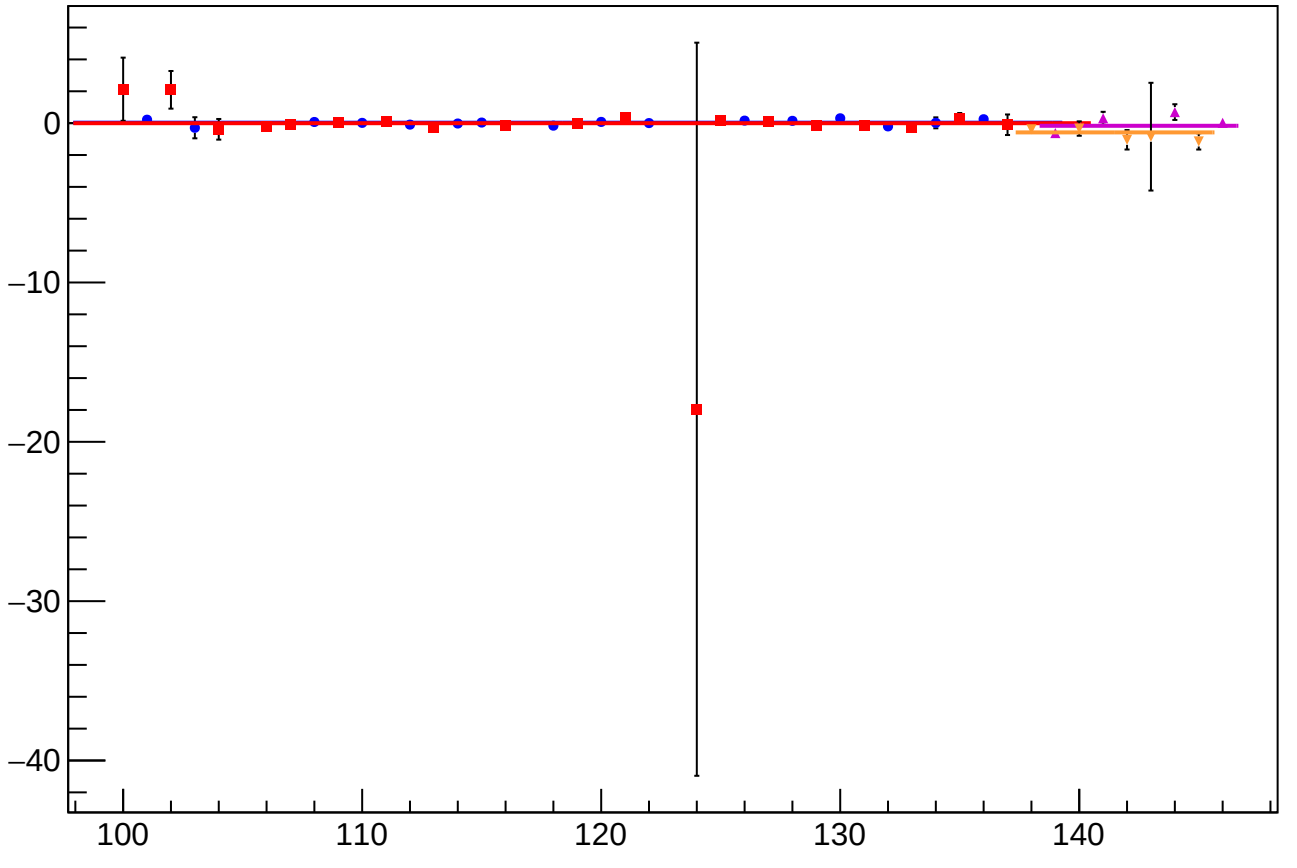
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.855+/-0.112 χ^2/NDF:639093.5/3

+ sign 120.759+/-0.031 χ^2/NDF: 6044273.8/20

All: 117.221+/-0.021 χ^2/NDF: 11568729.7/43

- sign 114.061+/-0.030 χ^2/NDF: 5500269.0/22



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.581+/-0.208 χ^2/NDF:2.5/4

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

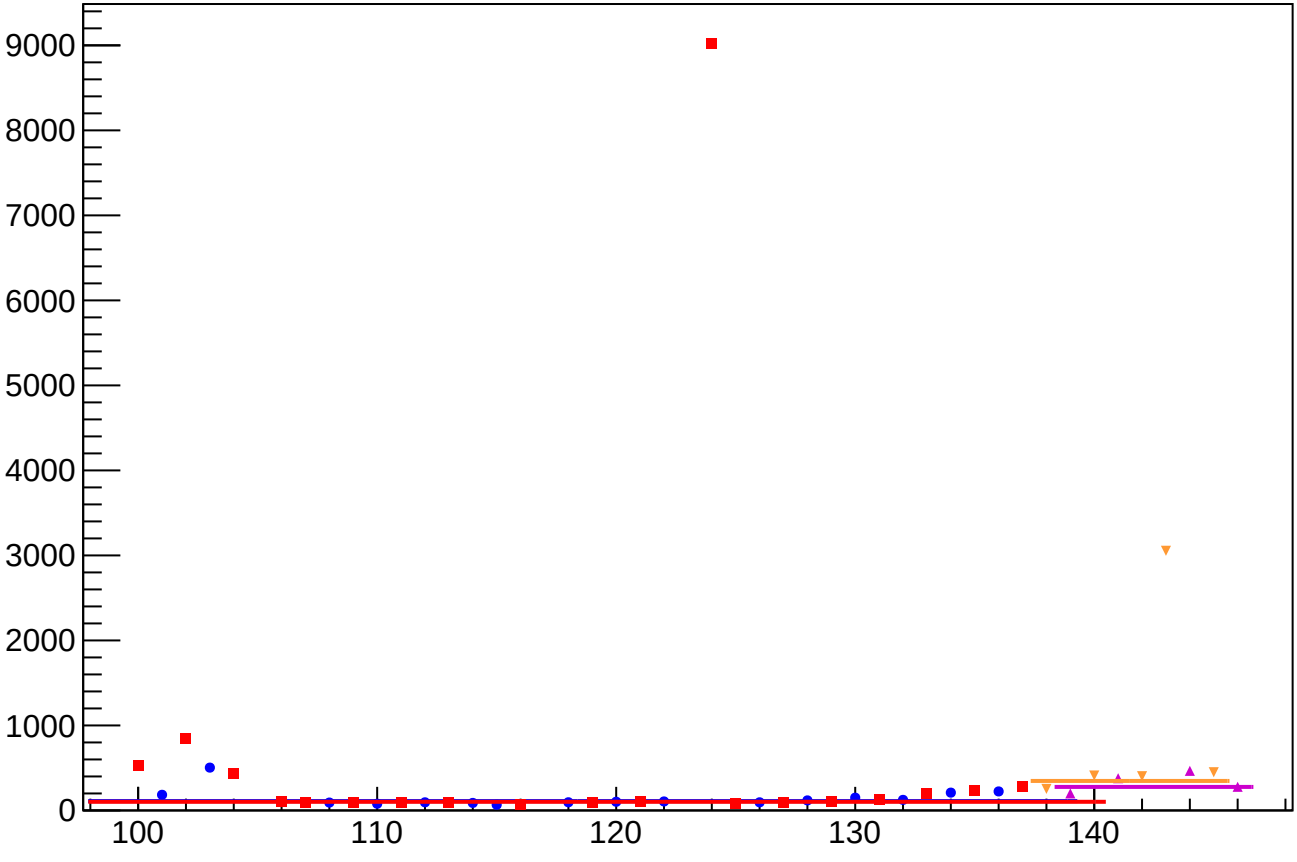
Left In: -0.166+/-0.158 χ^2/NDF:8.7/3

+ sign 0.000+/-0.044 χ^2/NDF: 19.6/20

All: -0.008+/-0.030 χ^2/NDF: 51.7/43

- sign -0.015+/-0.042 χ^2/NDF: 32.0/22

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 347.200+/-0.147 χ^2/NDF:1624054.0/4

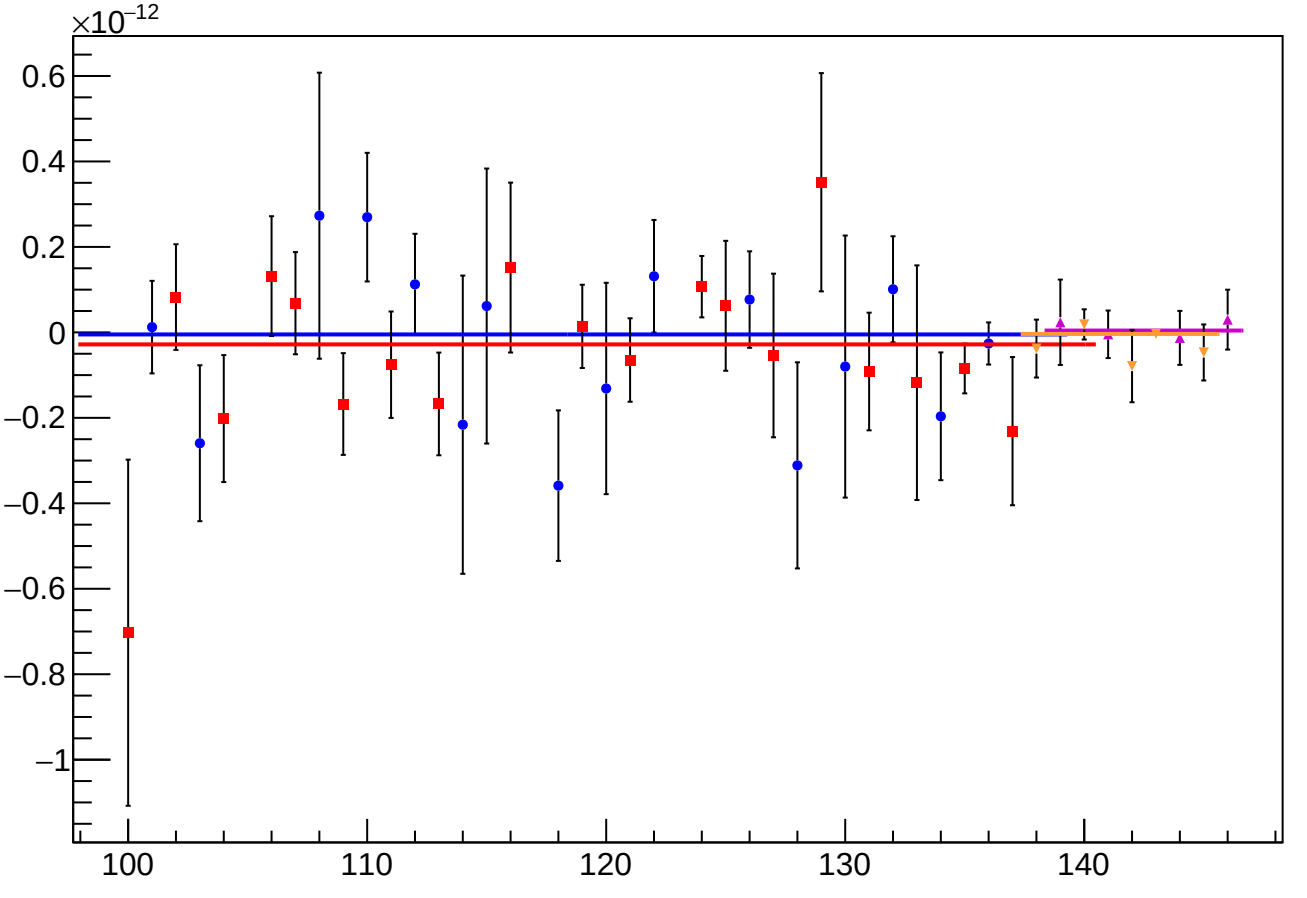
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.855+/-0.112 χ^2/NDF:639093.5/3

+ sign 120.759+/-0.031 χ^2/NDF: 6044273.8/20

All: 117.221+/-0.021 χ^2/NDF: 11568729.7/43

- sign 114.061+/-0.030 χ^2/NDF: 5500269.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/4

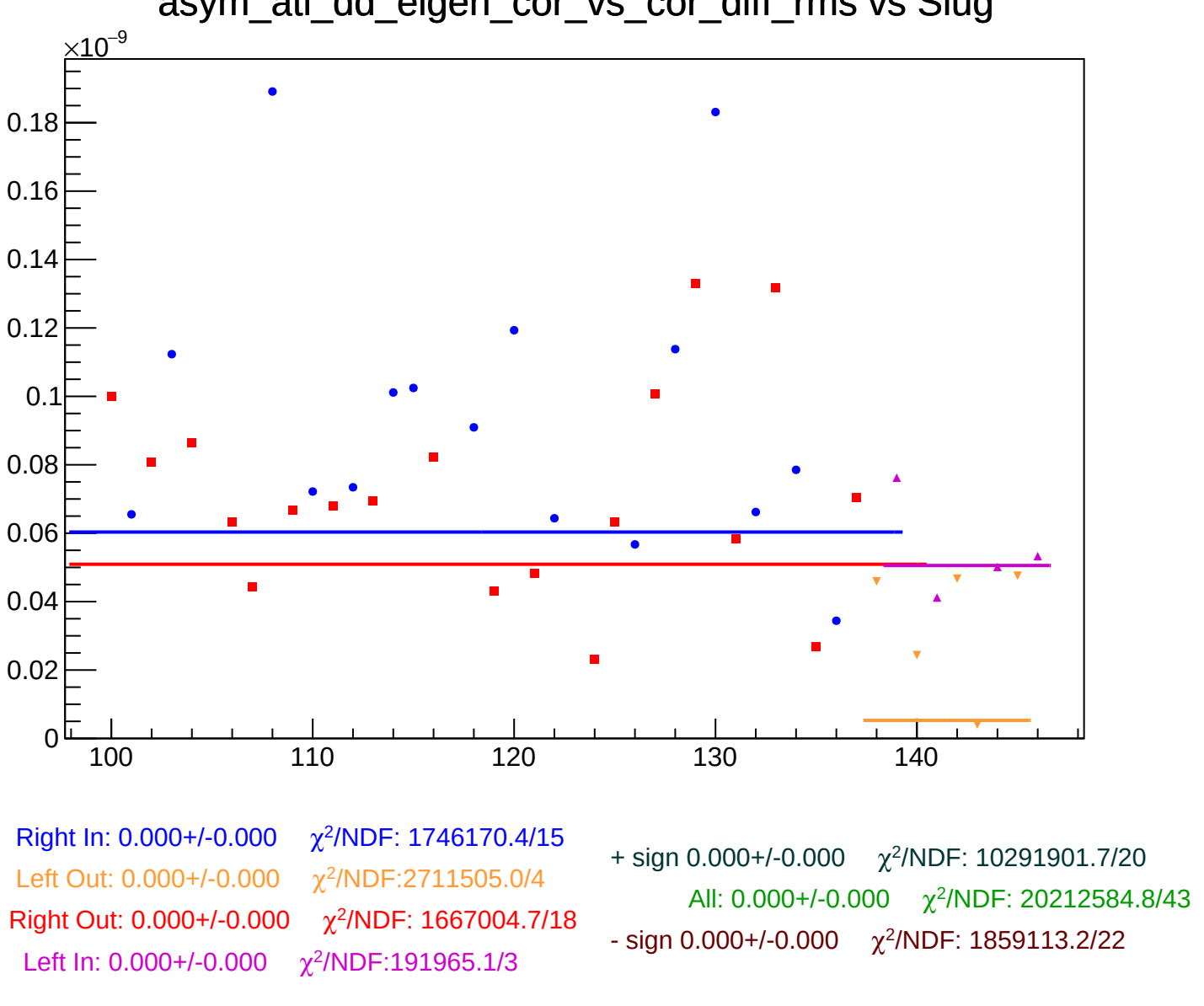
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/3

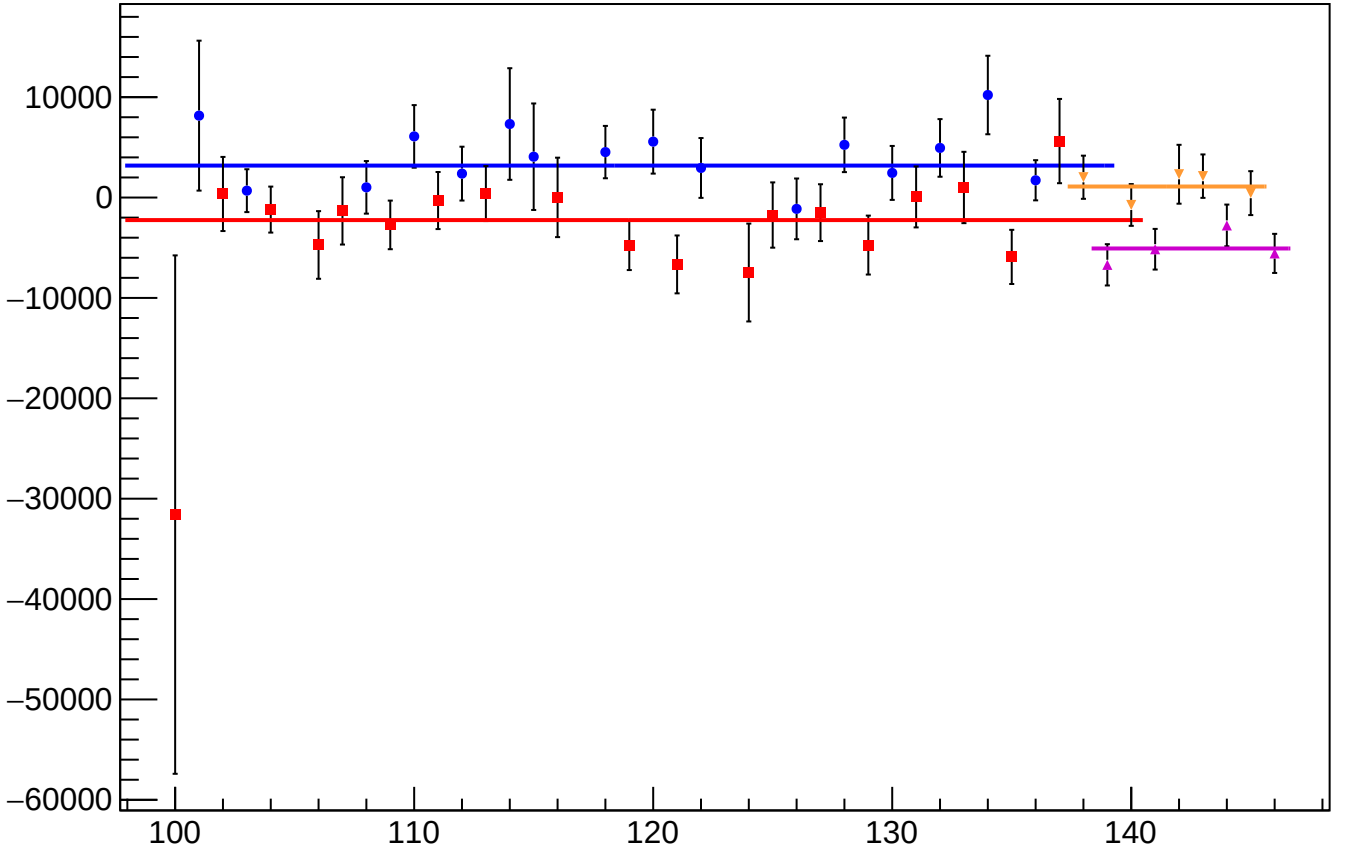
+ sign -0.000+/-0.000 χ^2/NDF: 19.4/20

All: -0.000+/-0.000 χ^2/NDF: 40.1/43

- sign -0.000+/-0.000 χ^2/NDF: 20.5/22


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2711505.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:191965.1/3
+ sign 0.000+/-0.000 χ²/NDF: 10291901.7/20
All: 0.000+/-0.000 χ²/NDF: 20212584.8/43
- sign 0.000+/-0.000 χ²/NDF: 1859113.2/22

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1098.421+/-1006.885 χ^2/NDF:1.5/4

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

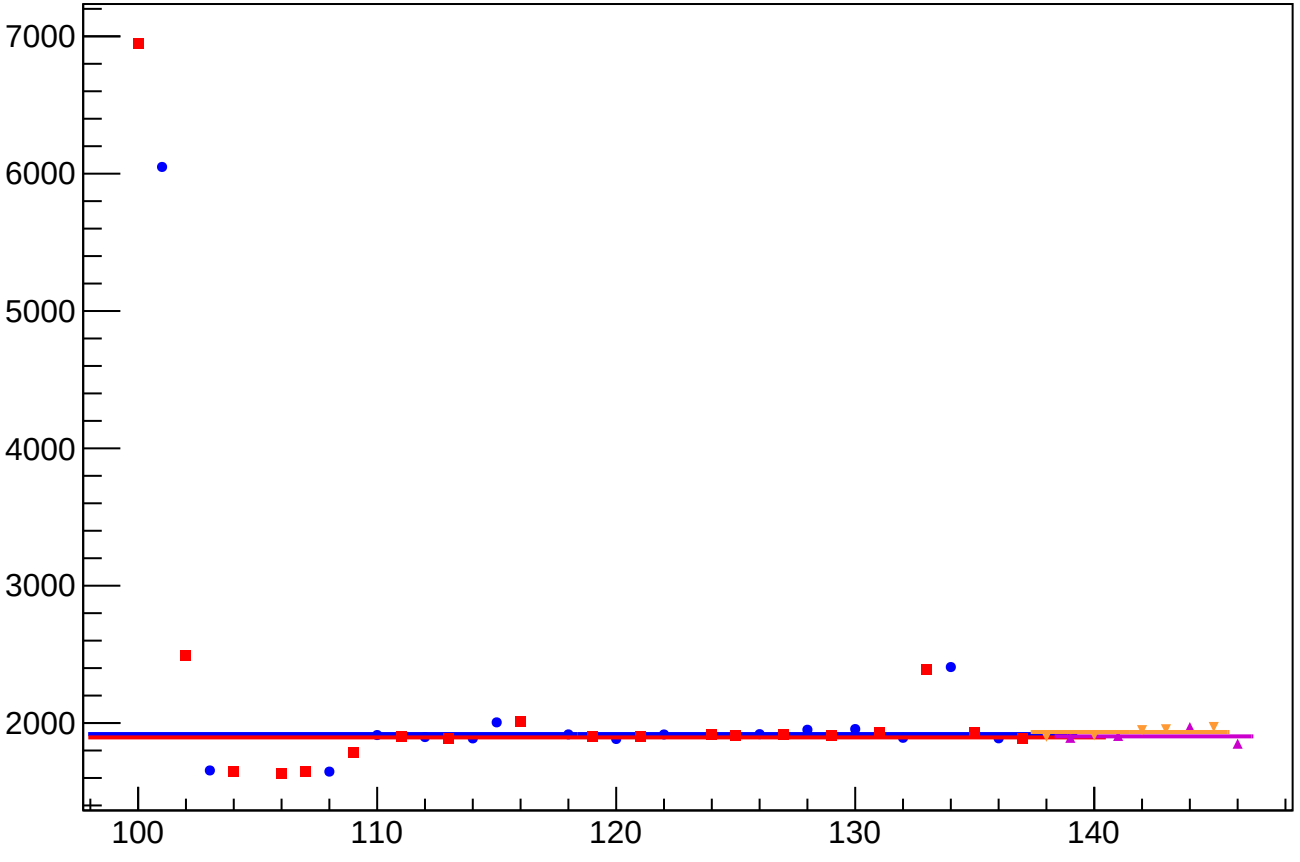
Left In: -5074.330+/-1012.551 χ^2/NDF:1.9/3

+ sign 2463.788+/-591.614 χ^2/NDF: 16.0/20

All: -405.125+/-414.831 χ^2/NDF: 85.9/43

- sign -3179.903+/-581.827 χ^2/NDF: 23.6/22

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1934.803+/-0.712 χ^2/NDF:1577.5/4

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

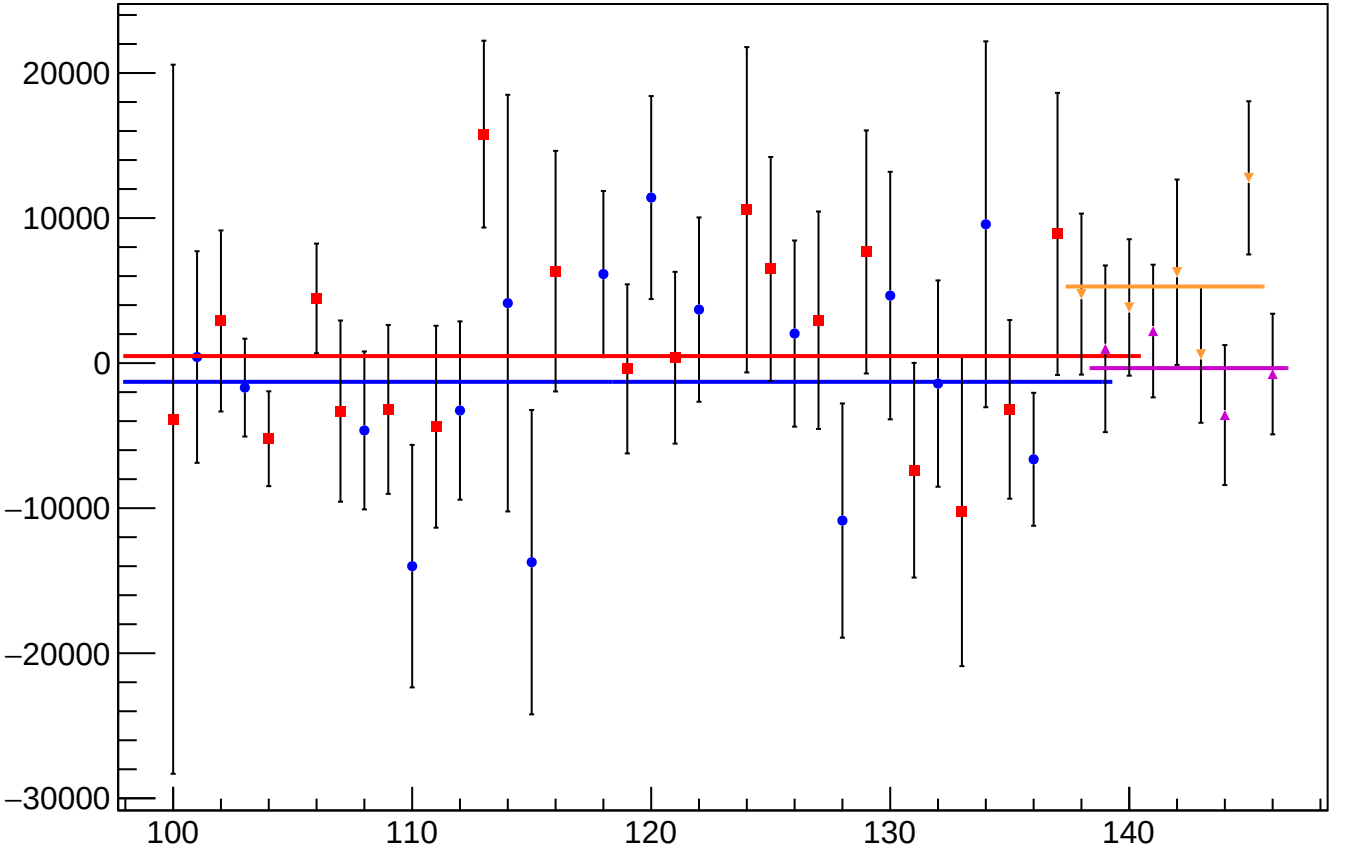
Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

+ sign 1924.997+/-0.418 χ^2/NDF: 699198.6/20

All: 1911.170+/-0.293 χ^2/NDF: 927375.1/43

- sign 1897.858+/-0.410 χ^2/NDF: 226032.2/22

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 5280.987+/-2337.751 χ^2/NDF:3.1/4

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

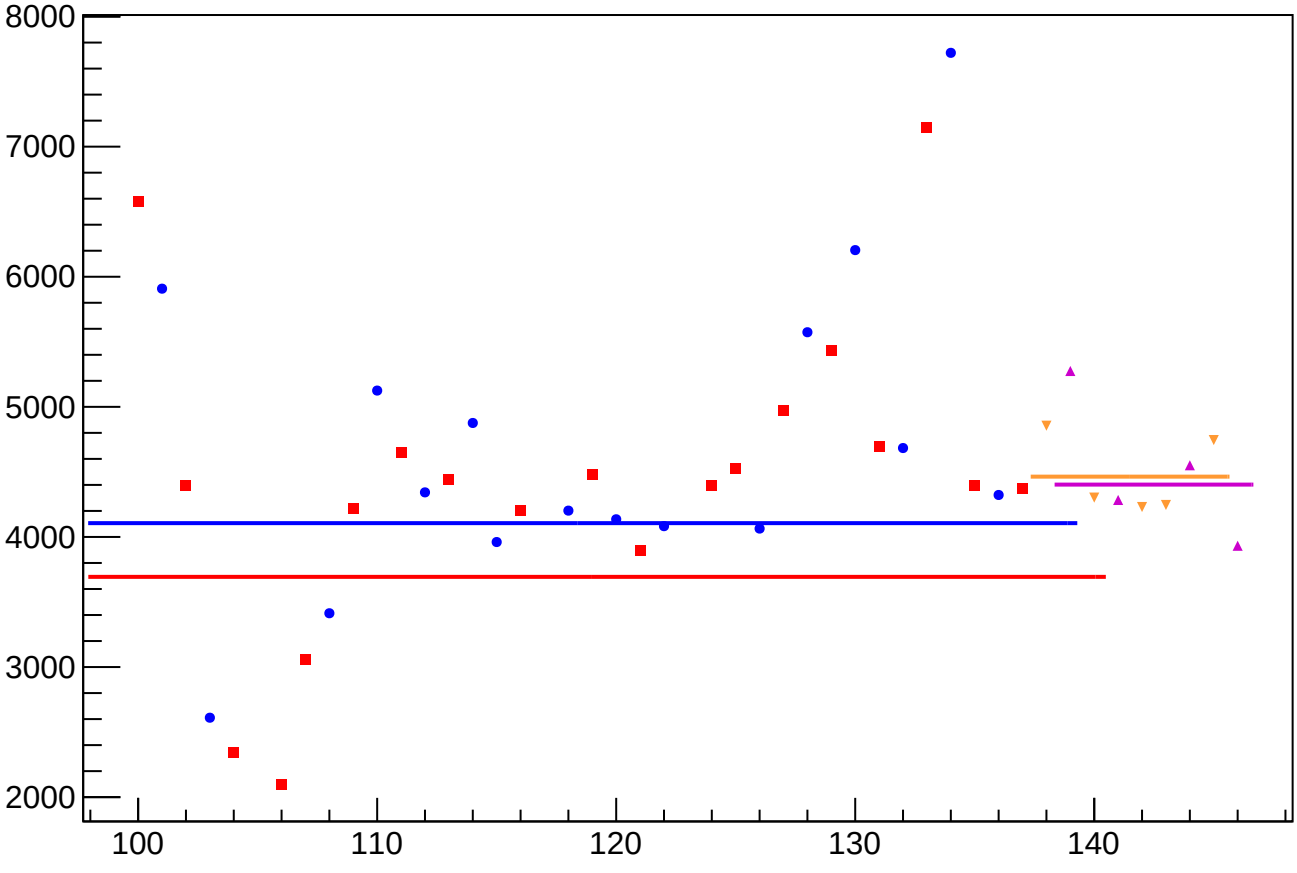
Left In: -345.188+/-2364.185 χ^2/NDF:0.8/3

+ sign 779.780+/-1312.141 χ^2/NDF: 22.8/20

All: 503.322+/-896.696 χ^2/NDF: 41.0/43

- sign 261.084+/-1228.250 χ^2/NDF: 18.2/22

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4463.582+/-1.653 χ^2/NDF:24898.6/4

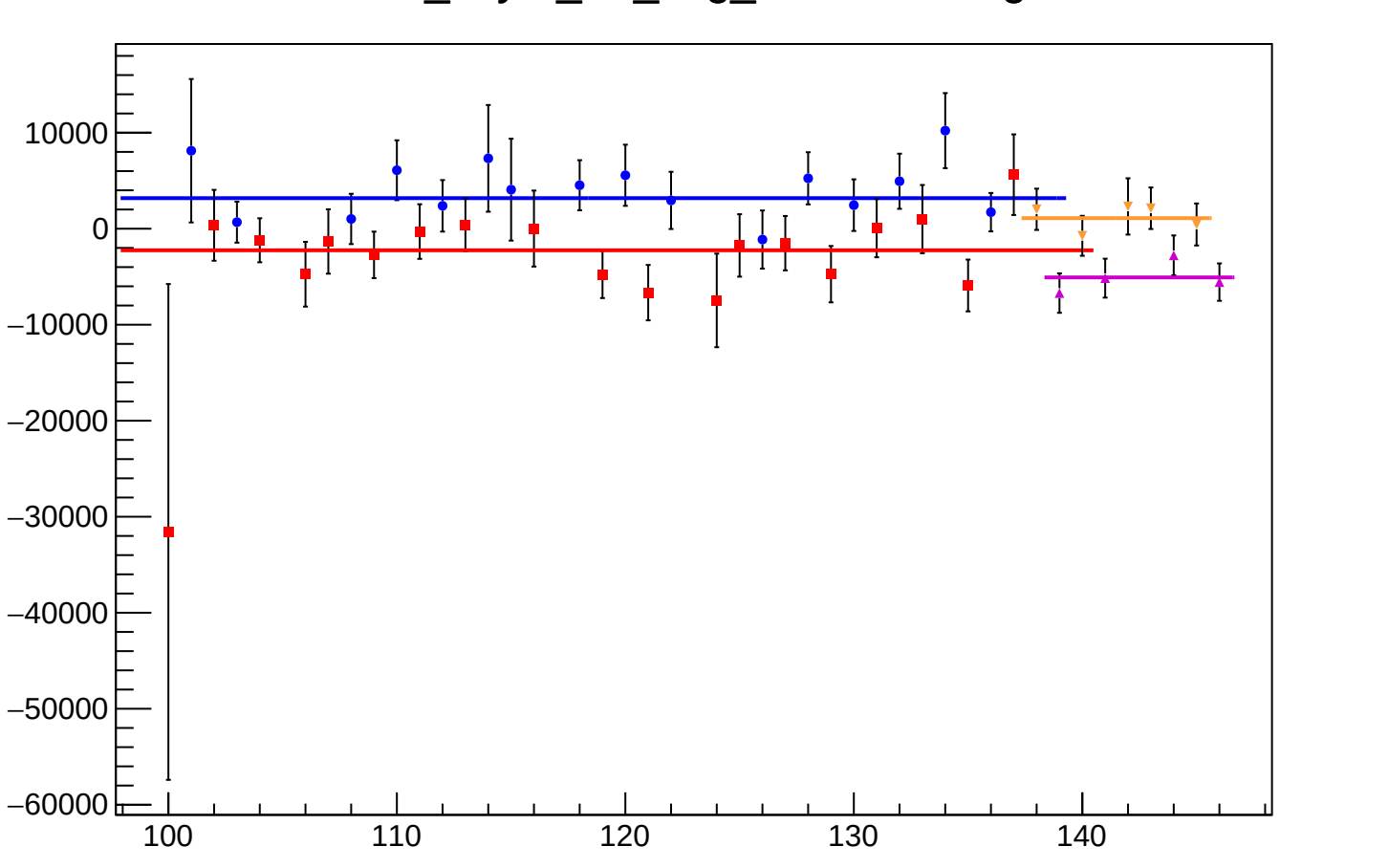
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4402.380+/-1.672 χ^2/NDF:74983.9/3

+ sign 4218.749+/-0.928 χ^2/NDF: 1013055.4/20

All: 4040.684+/-0.634 χ^2/NDF: 2645152.3/43

- sign 3884.660+/-0.869 χ^2/NDF: 1562991.6/22



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1098.556+/-1006.885 χ^2/NDF:1.5/4

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

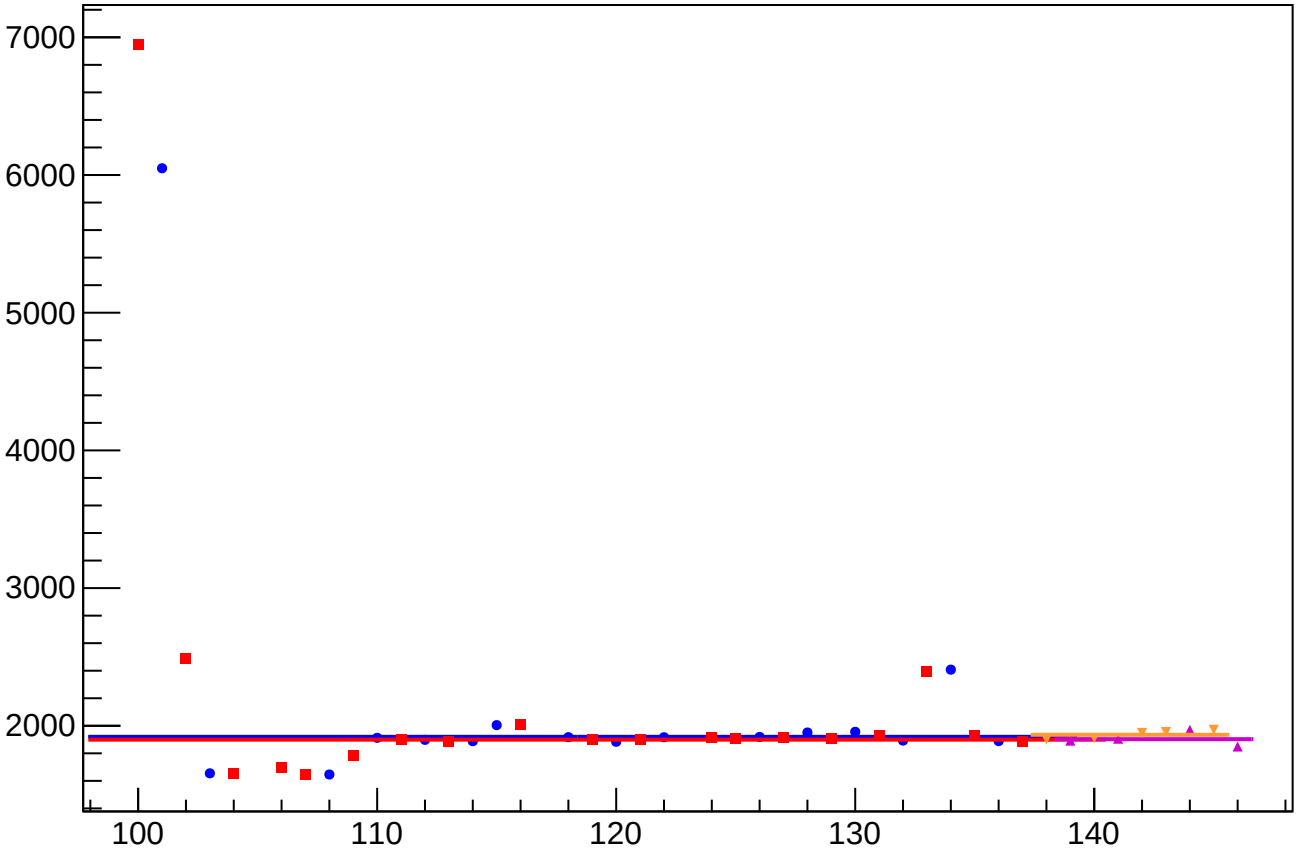
Left In: -5074.645+/-1012.551 χ^2/NDF:1.9/3

+ sign 2463.356+/-591.614 χ^2/NDF: 16.0/20

All: -405.771+/-414.832 χ^2/NDF: 85.9/43

- sign -3180.776+/-581.829 χ^2/NDF: 23.7/22

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1934.803+/-0.712 χ^2/NDF:1577.5/4

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

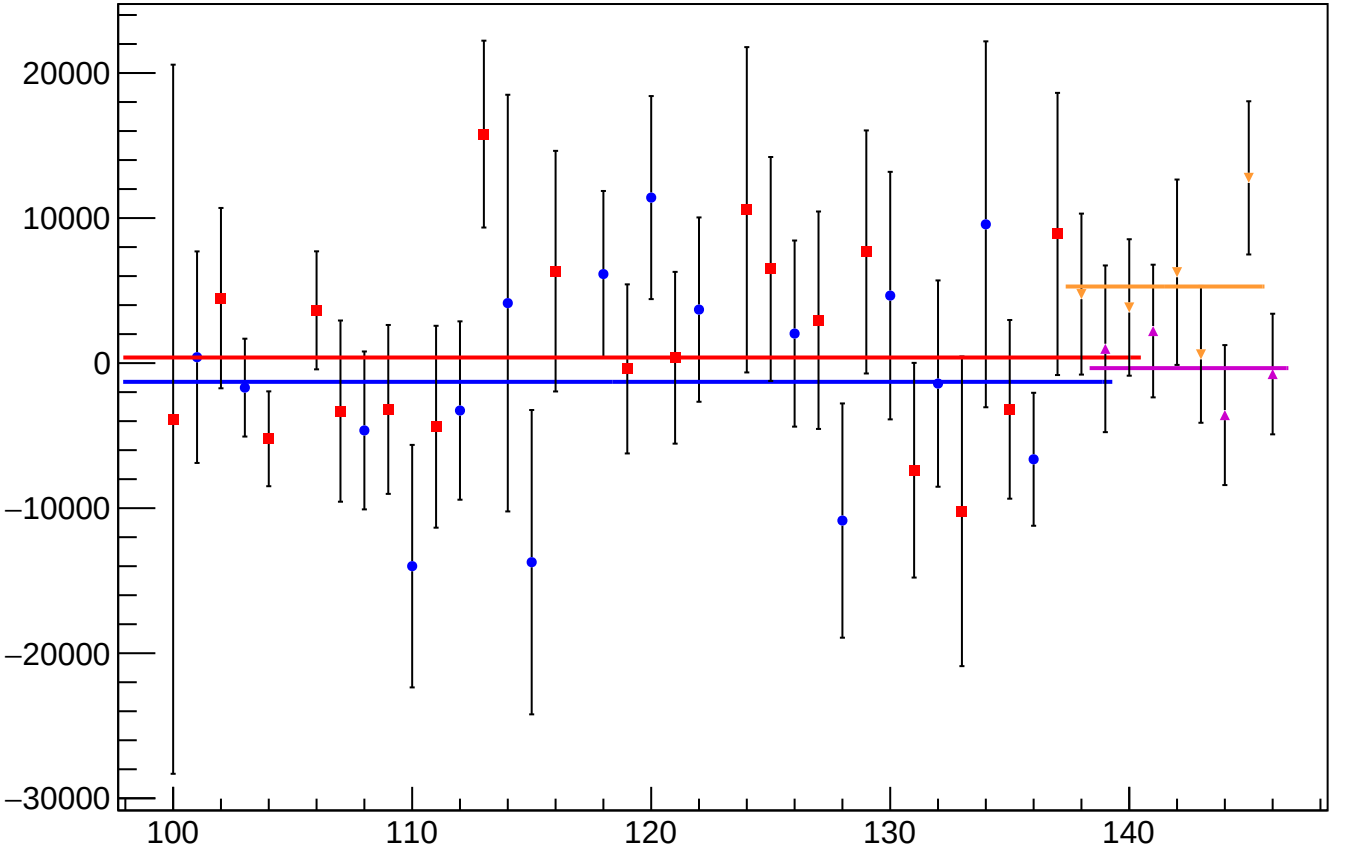
Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

+ sign 1924.997+/-0.418 χ^2/NDF: 699197.8/20

All: 1912.556+/-0.293 χ^2/NDF: 920289.6/43

- sign 1900.548+/-0.411 χ^2/NDF: 219353.7/22

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 5281.070+/-2337.740 χ^2/NDF:3.1/4

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

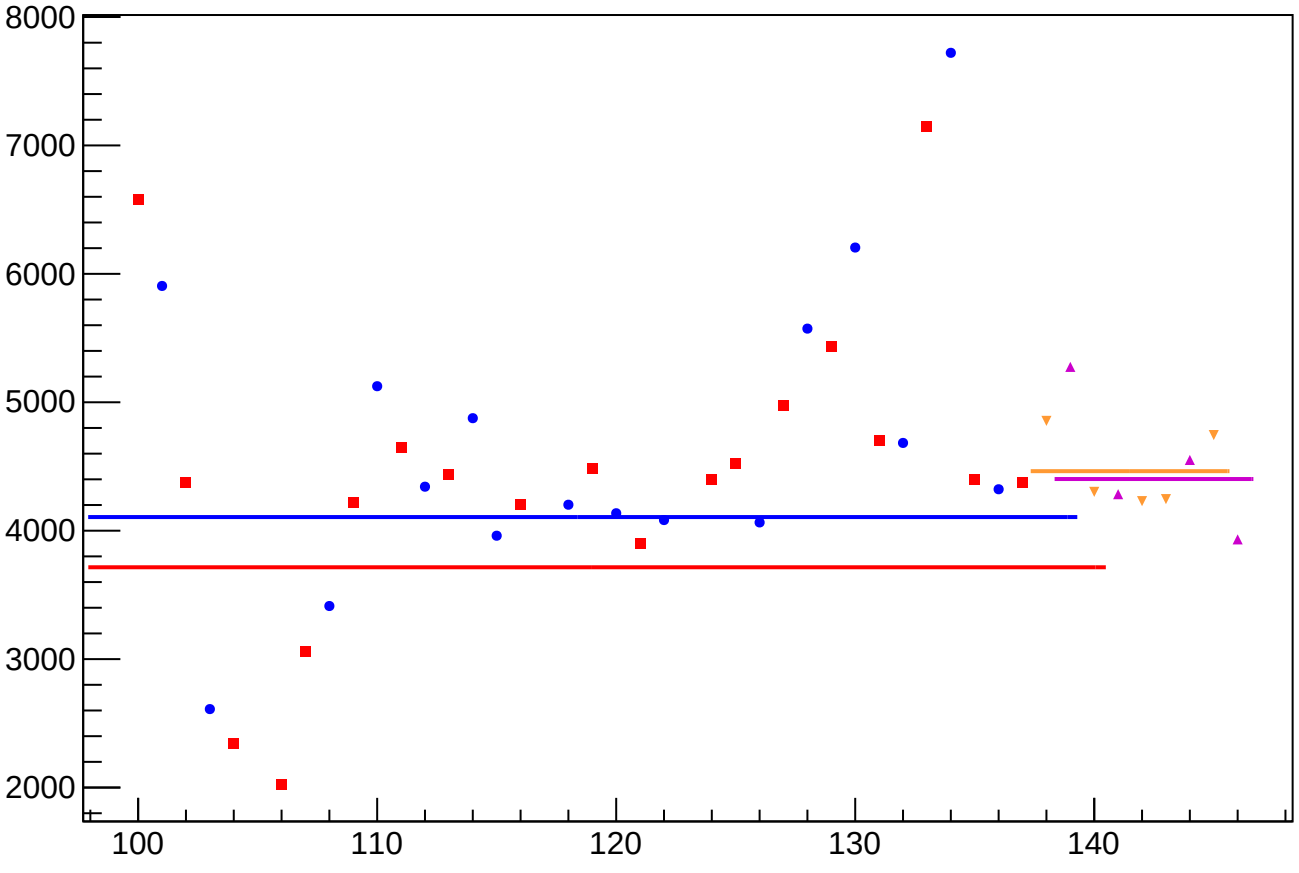
Left In: -345.233+/-2364.190 χ^2/NDF:0.8/3

+ sign 779.572+/-1312.141 χ^2/NDF: 22.8/20

All: 465.831+/-900.080 χ^2/NDF: 40.8/43

- sign 187.000+/-1236.991 χ^2/NDF: 17.9/22

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4463.560+/-1.653 χ^2/NDF:24899.8/4

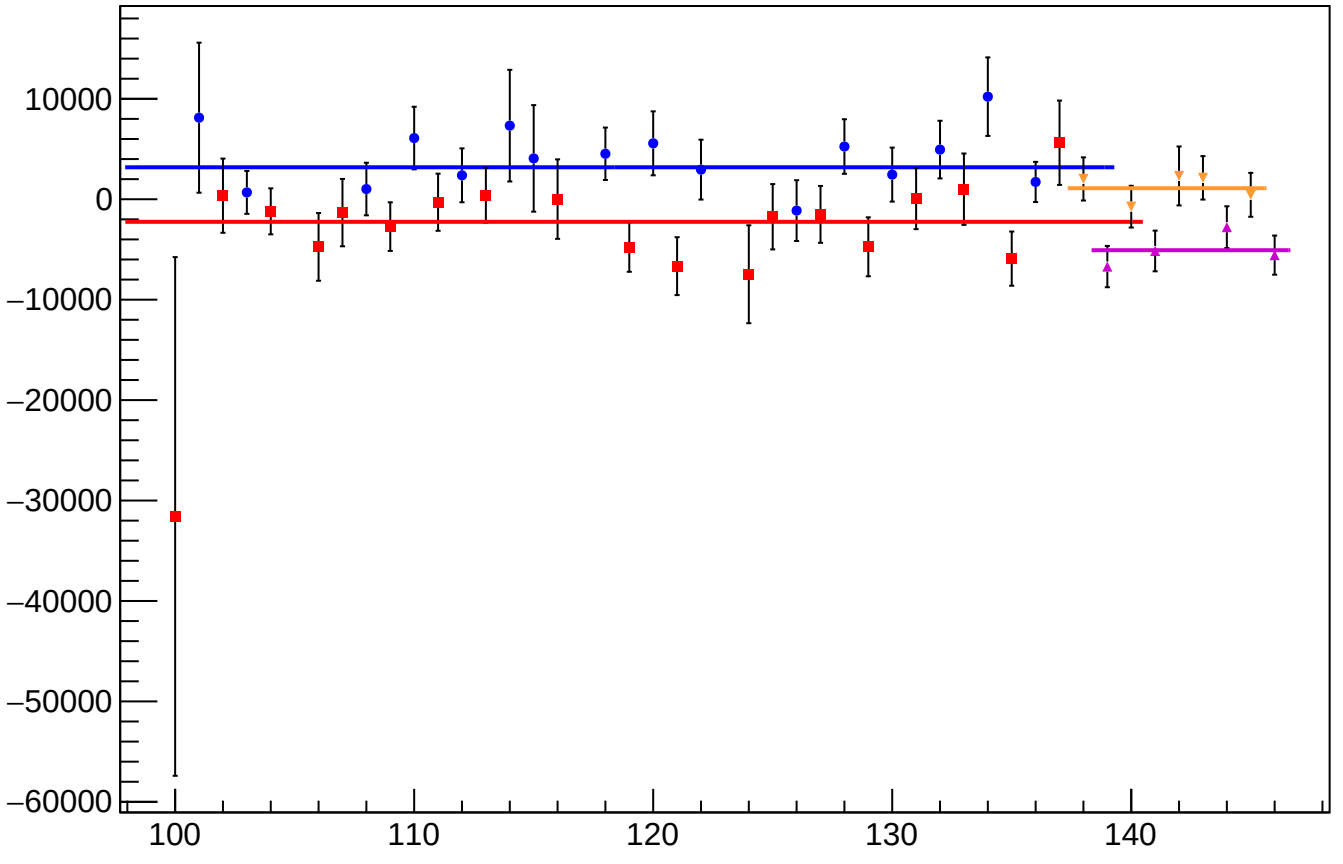
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4402.389+/-1.672 χ^2/NDF:74982.8/3

+ sign 4218.807+/-0.928 χ^2/NDF: 1012536.9/20

All: 4051.774+/-0.636 χ^2/NDF: 2606547.8/43

- sign 3903.326+/-0.875 χ^2/NDF: 1532797.8/22



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1098.556+/-1006.885 χ^2/NDF:1.5/4

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

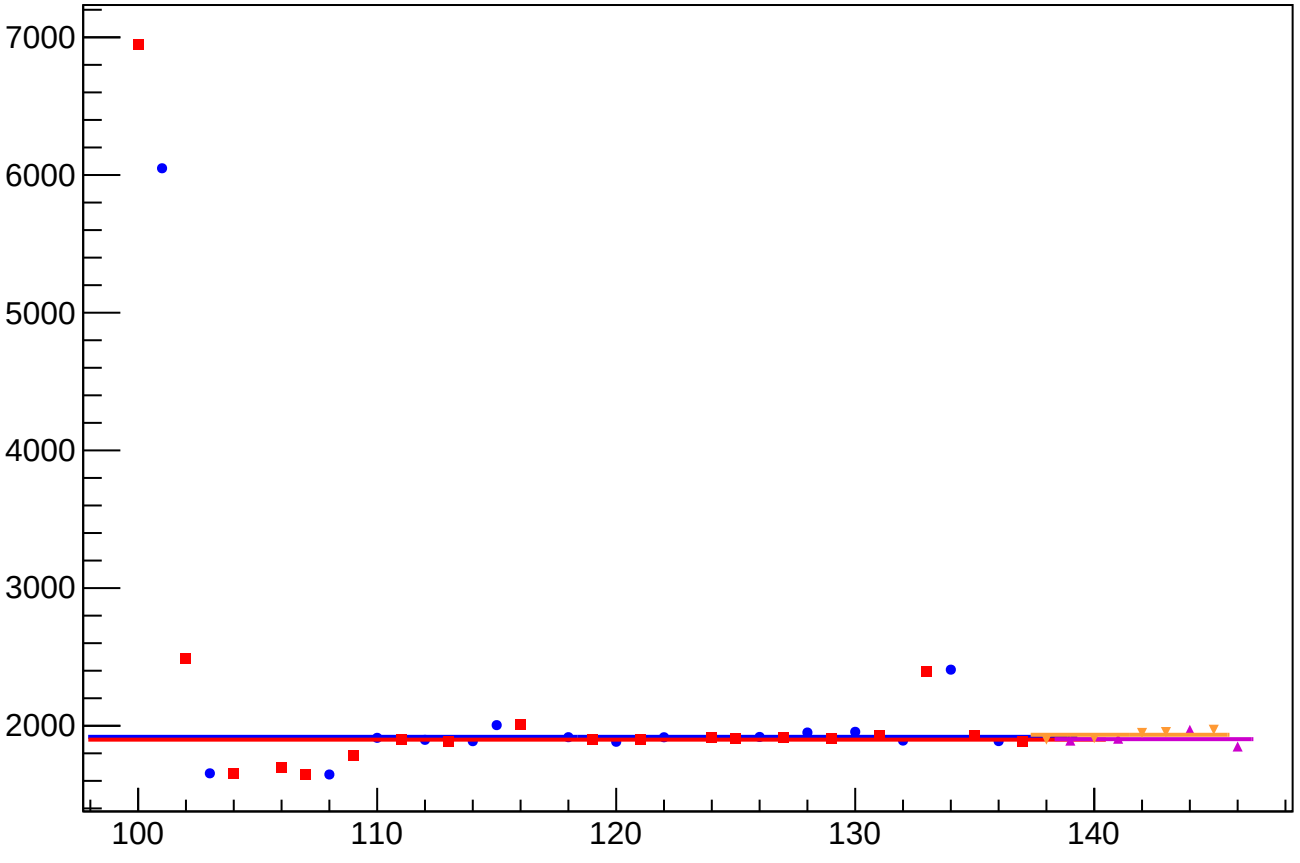
Left In: -5074.645+/-1012.551 χ^2/NDF:1.9/3

+ sign 2463.356+/-591.614 χ^2/NDF: 16.0/20

All: -405.771+/-414.832 χ^2/NDF: 85.9/43

- sign -3180.776+/-581.829 χ^2/NDF: 23.7/22

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1934.803+/-0.712 χ^2/NDF:1577.5/4

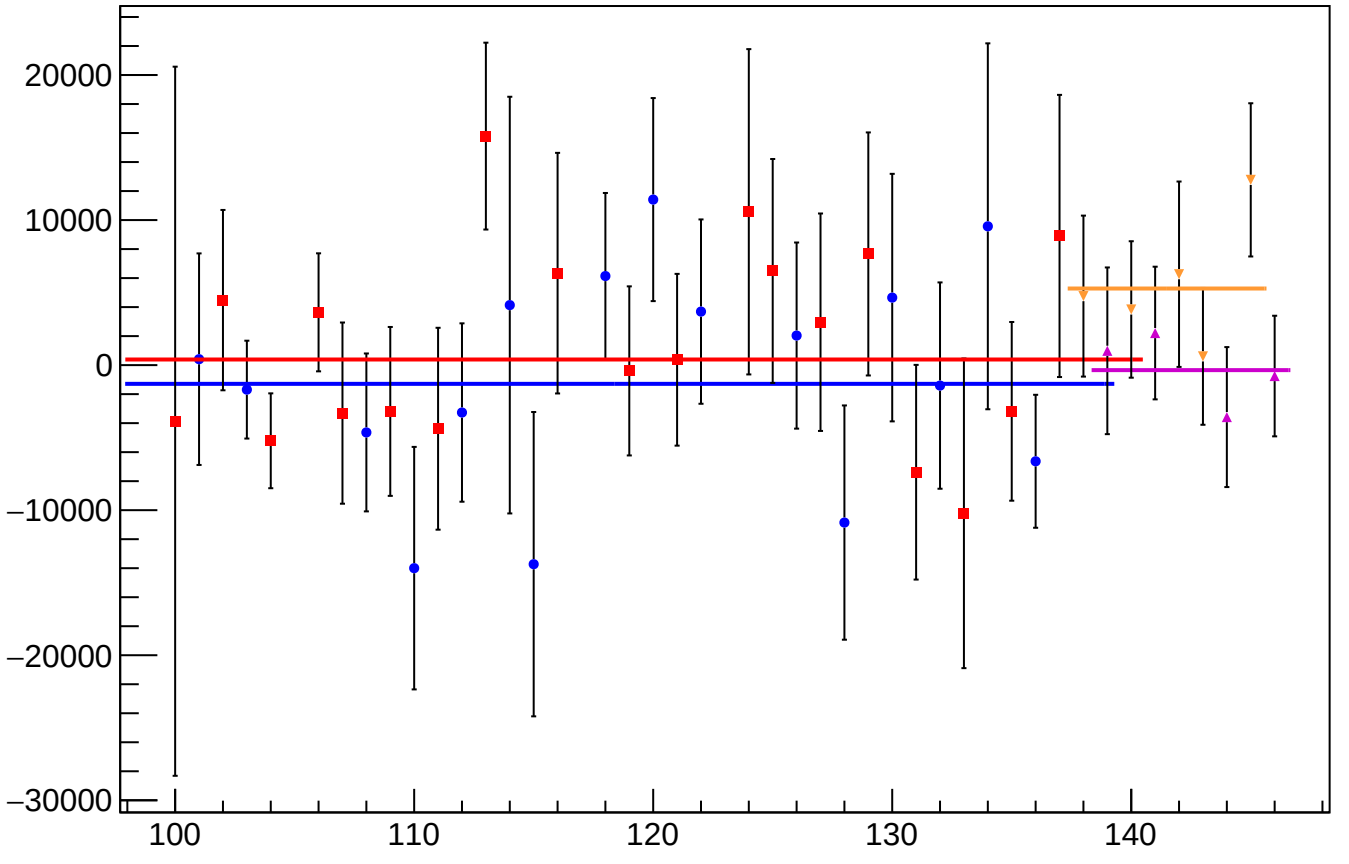
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

+ sign 1924.997+/-0.418 χ^2/NDF: 699197.8/20

All: 1912.556+/-0.293 χ^2/NDF: 920289.6/43

- sign 1900.548+/-0.411 χ^2/NDF: 219353.7/22



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 5281.070+/-2337.740 χ^2/NDF:3.1/4

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

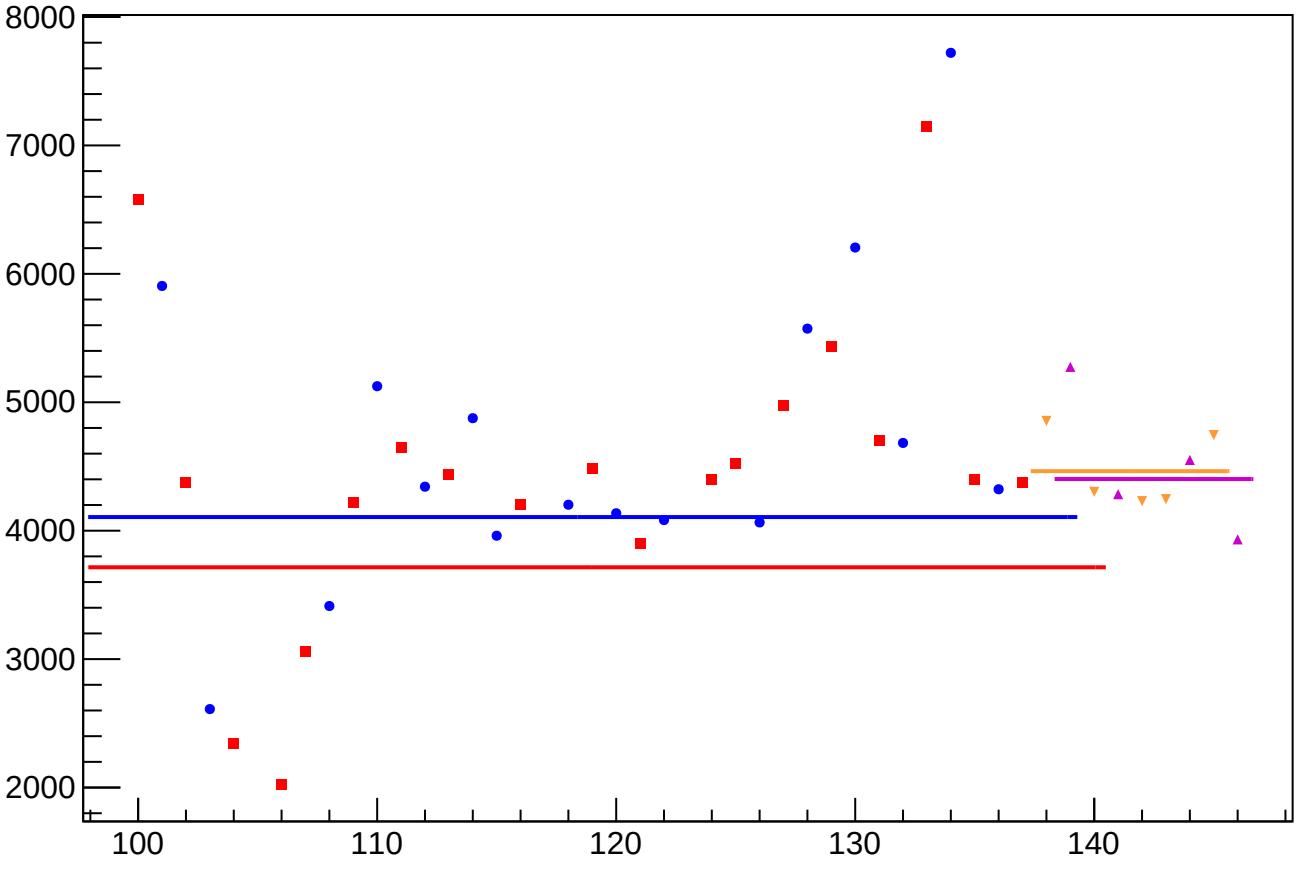
Left In: -345.233+/-2364.190 χ^2/NDF:0.8/3

+ sign 779.572+/-1312.141 χ^2/NDF: 22.8/20

All: 465.831+/-900.080 χ^2/NDF: 40.8/43

- sign 187.000+/-1236.991 χ^2/NDF: 17.9/22

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4463.560+/-1.653 χ^2/NDF:24899.8/4

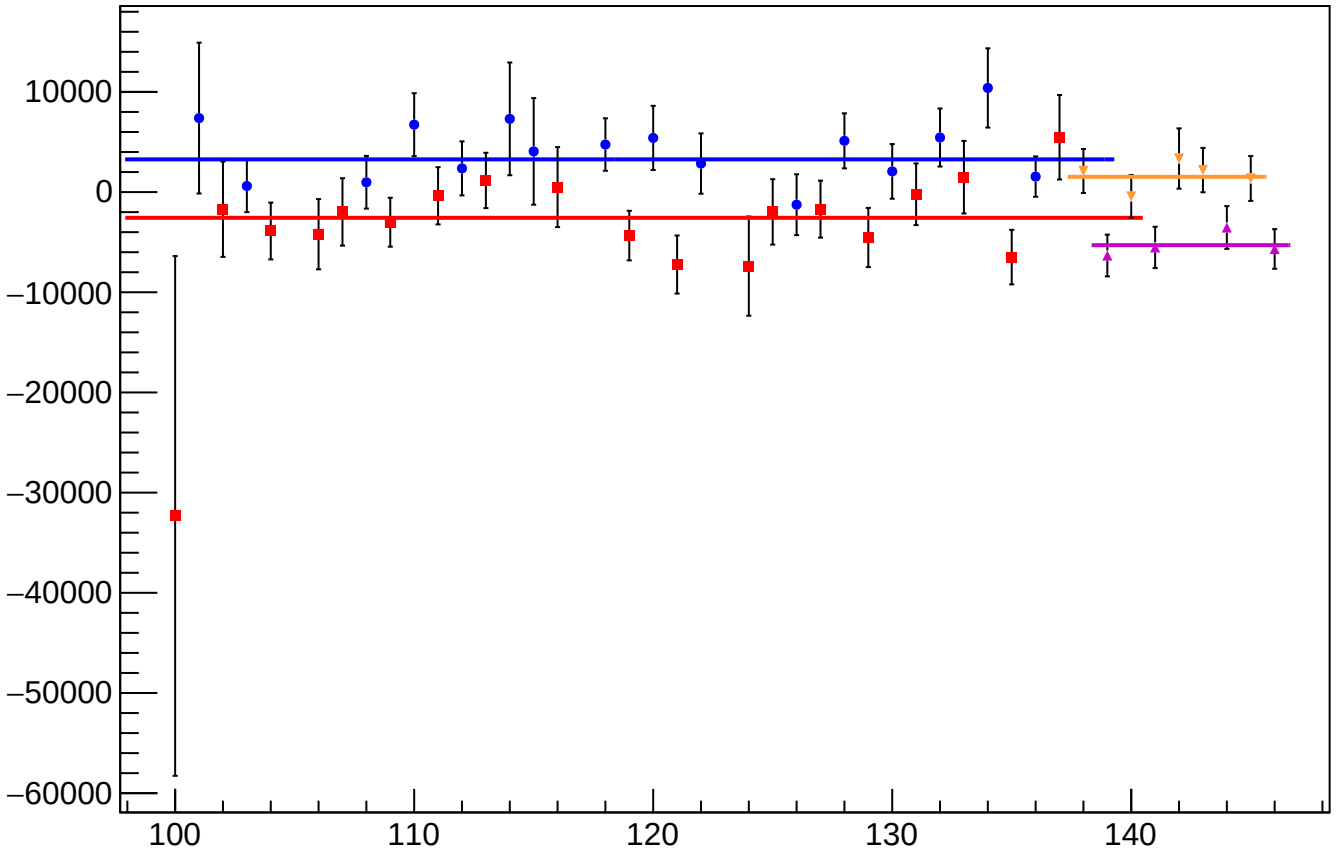
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4402.389+/-1.672 χ^2/NDF:74982.8/3

+ sign 4218.807+/-0.928 χ^2/NDF: 1012536.9/20

All: 4051.774+/-0.636 χ^2/NDF: 2606547.8/43

- sign 3903.326+/-0.875 χ^2/NDF: 1532797.8/22



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1522.849+/-1031.206 χ^2/NDF:1.4/4

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

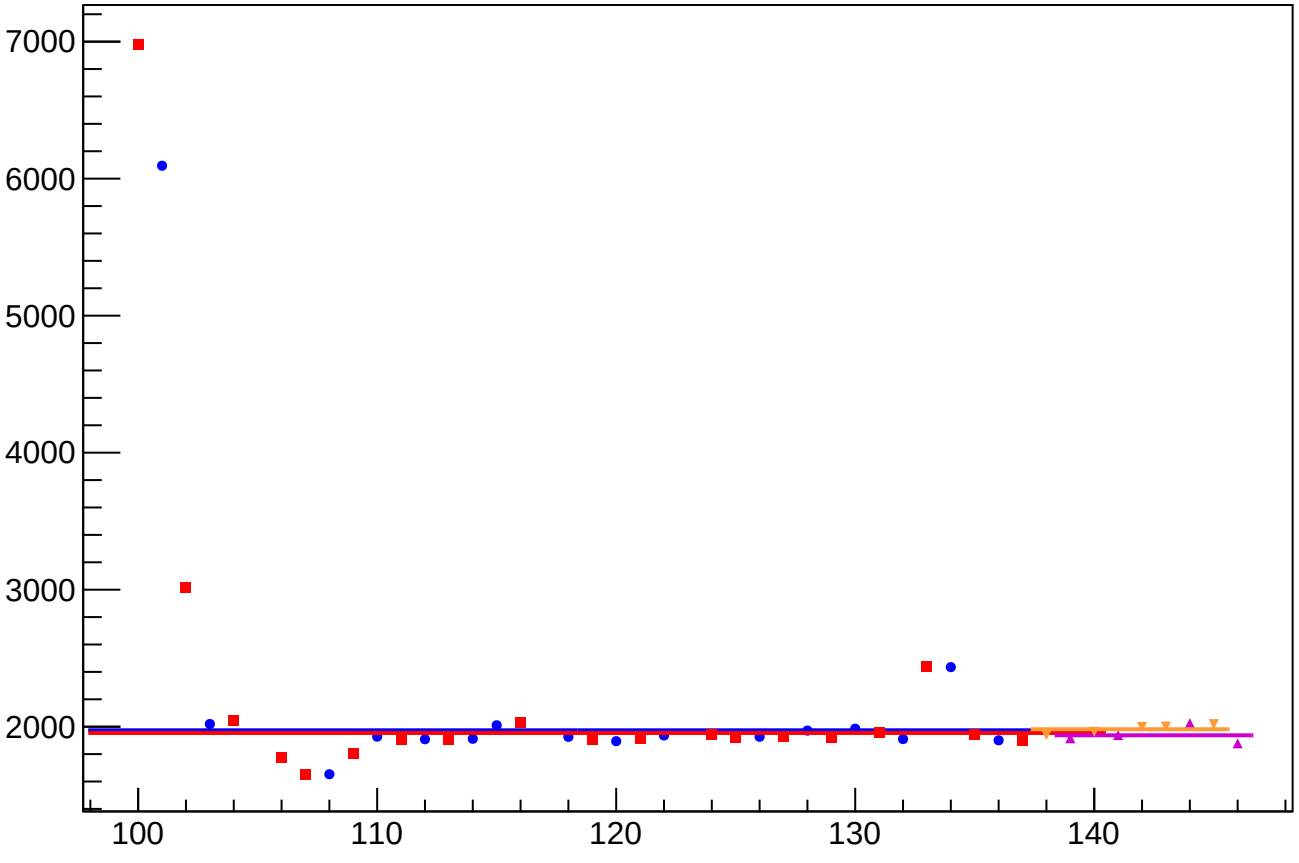
Left In: -5298.446+/-1030.963 χ^2/NDF:1.0/3

+ sign 2661.132+/-607.000 χ^2/NDF: 15.4/20

All: -456.759+/-426.145 χ^2/NDF: 90.1/43

- sign -3487.041+/-598.412 χ^2/NDF: 22.7/22

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1981.409+/-0.729 χ^2/NDF:1667.8/4

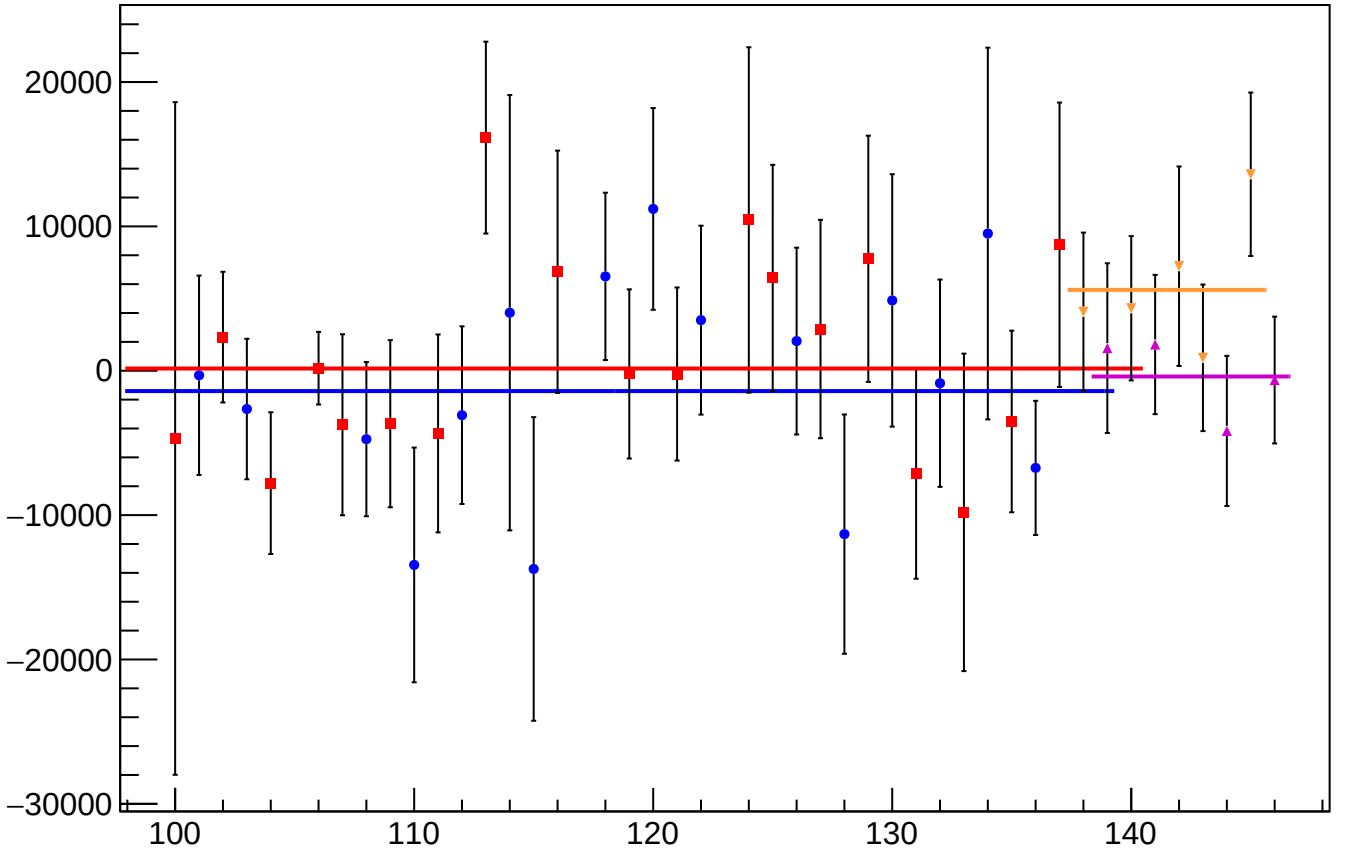
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1937.235+/-0.729 χ^2/NDF:5422.7/3

+ sign 1976.403+/-0.429 χ^2/NDF: 666864.2/20

All: 1962.287+/-0.301 χ^2/NDF: 920995.1/43

- sign 1948.583+/-0.423 χ^2/NDF: 251999.2/22



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 5603.157+/-2467.187 χ^2/NDF:3.1/4

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

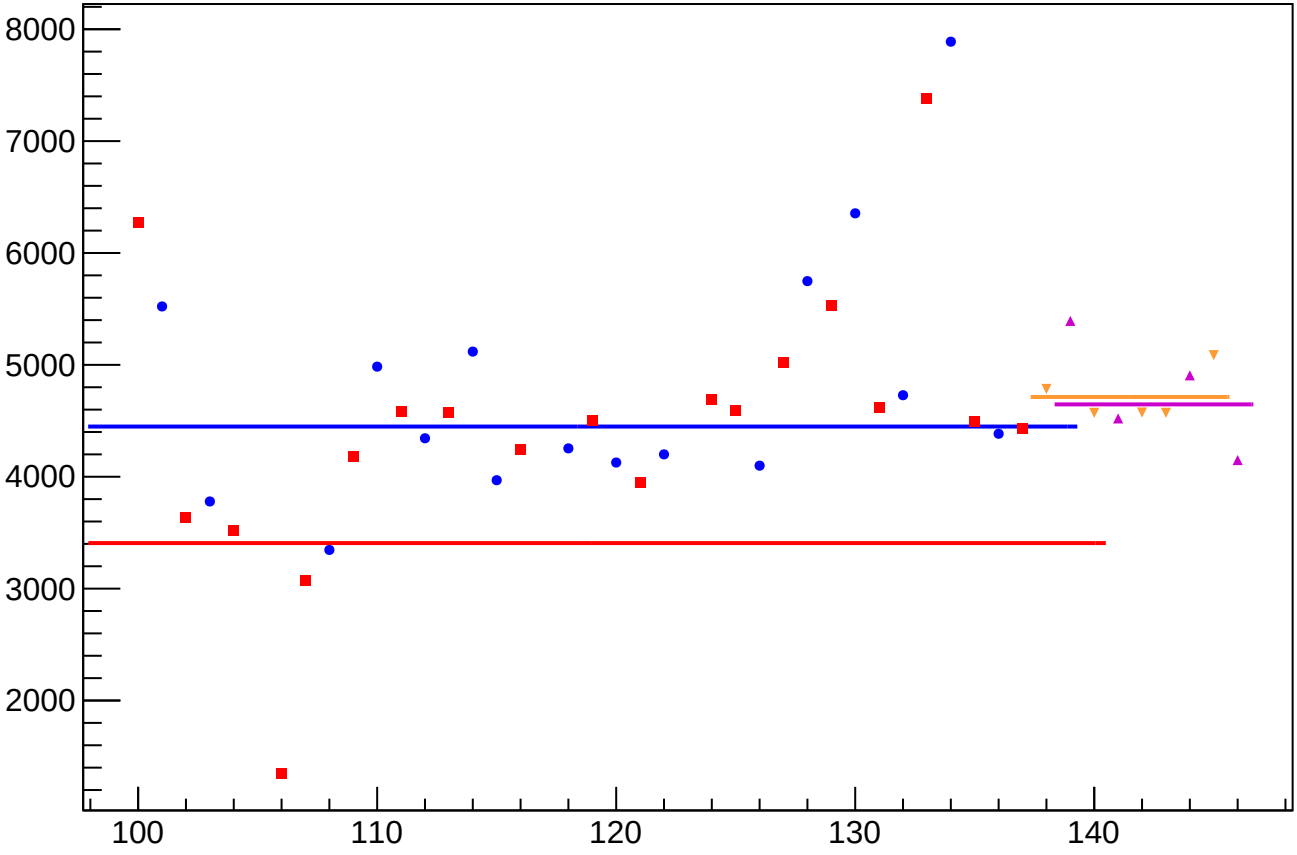
Left In: -398.437+/-2493.895 χ^2/NDF:0.9/3

+ sign 831.506+/-1394.256 χ^2/NDF: 22.8/20

All: 368.663+/-907.976 χ^2/NDF: 39.7/43

- sign 27.826+/-1196.462 χ^2/NDF: 16.7/22

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4712.894+/-1.745 χ^2/NDF:13035.9/4

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

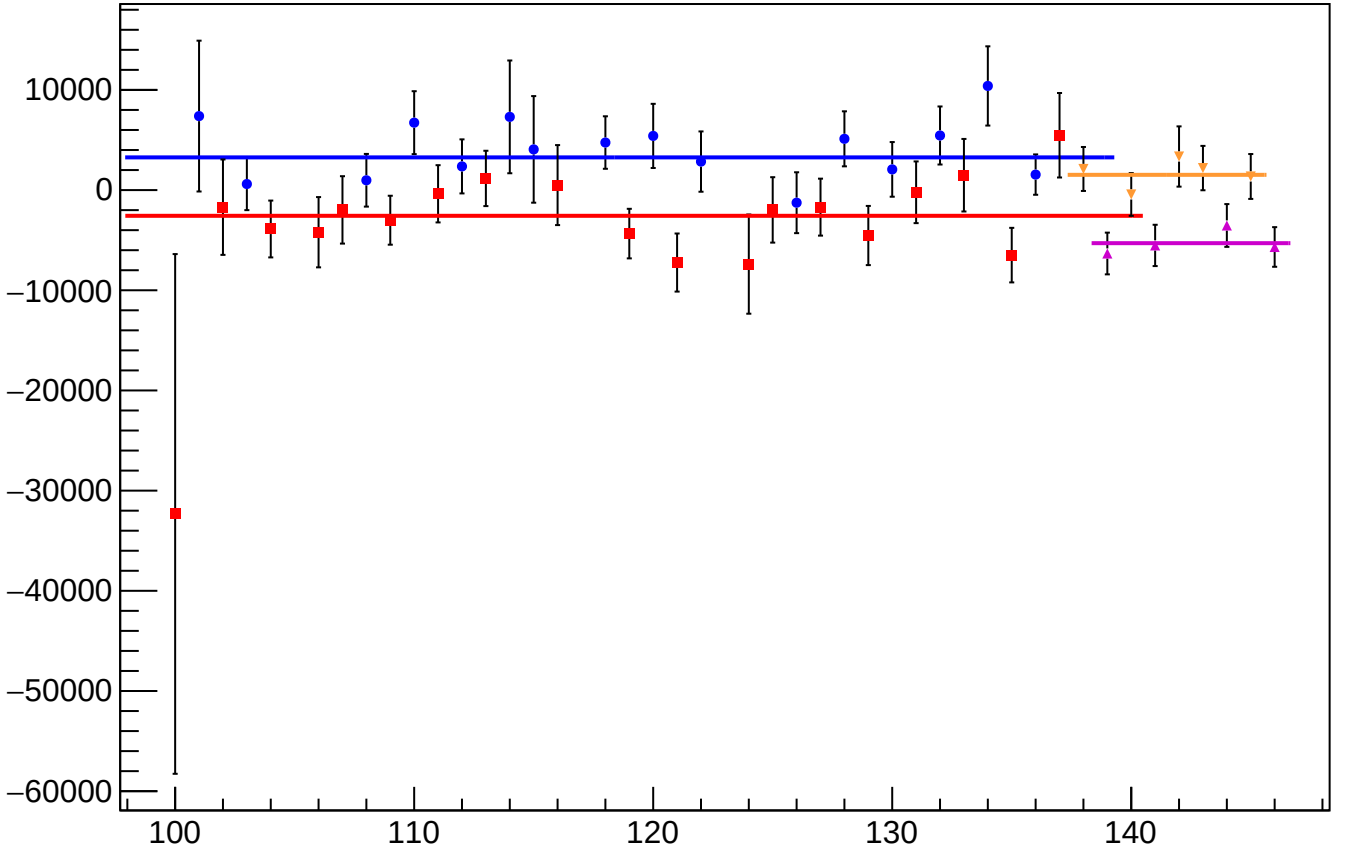
Left In: 4646.859+/-1.763 χ^2/NDF:64280.4/3

+ sign 4533.081+/-0.986 χ^2/NDF: 523257.7/20

All: 4048.970+/-0.642 χ^2/NDF: 3712754.3/43

- sign 3692.472+/-0.846 χ^2/NDF: 2770815.7/22

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1522.855+/-1031.207 χ^2/NDF:1.4/4

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

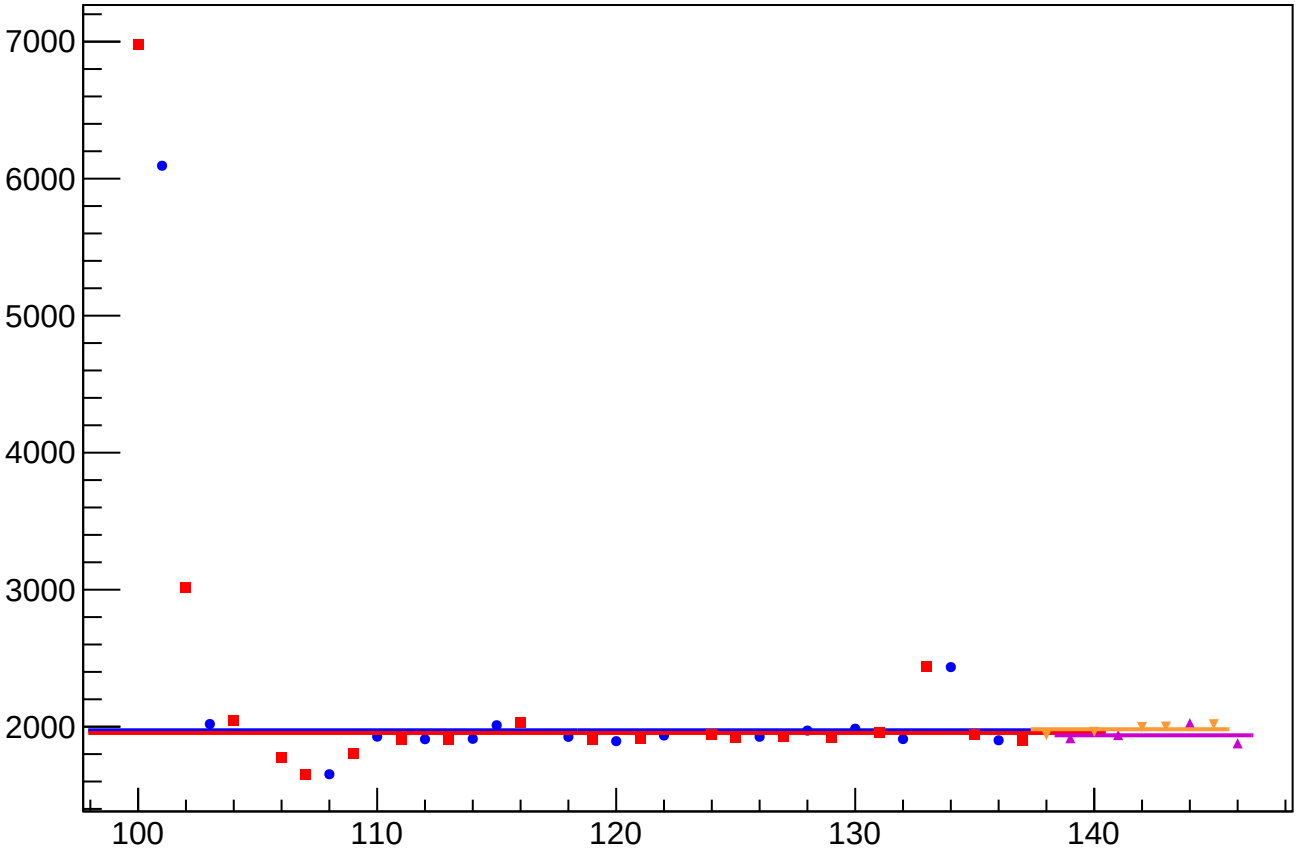
Left In: -5298.438+/-1030.964 χ^2/NDF:1.0/3

+ sign 2661.137+/-607.000 χ^2/NDF: 15.4/20

All: -456.756+/-426.145 χ^2/NDF: 90.1/43

- sign -3487.041+/-598.412 χ^2/NDF: 22.7/22

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1981.410+/-0.729 χ^2/NDF:1667.9/4

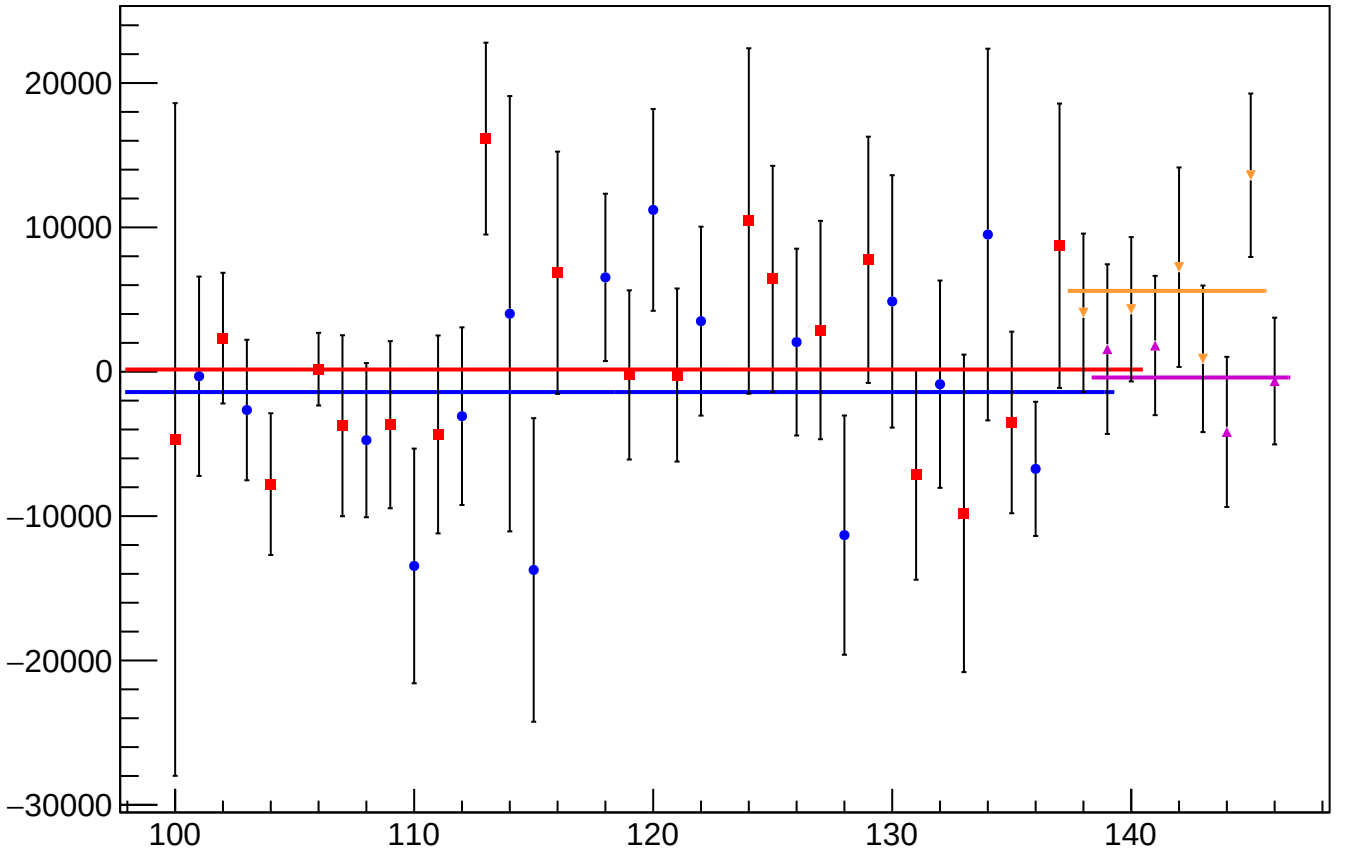
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1937.235+/-0.729 χ^2/NDF:5422.7/3

+ sign 1976.403+/-0.429 χ^2/NDF: 666864.3/20

All: 1962.287+/-0.301 χ^2/NDF: 920994.6/43

- sign 1948.583+/-0.423 χ^2/NDF: 251998.7/22



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 5603.163+/-2467.190 χ^2/NDF:3.1/4

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

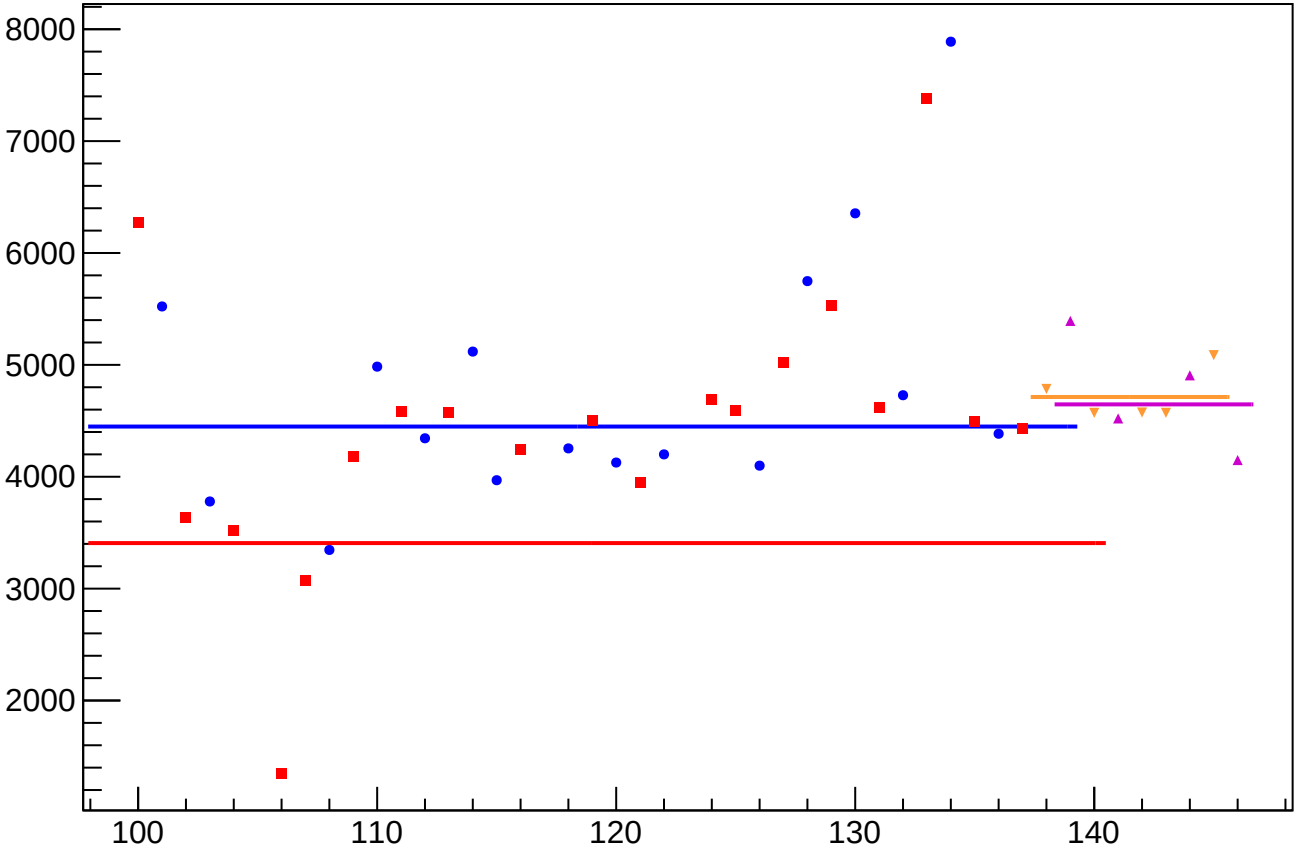
Left In: -398.426+/-2493.898 χ^2/NDF:0.9/3

+ sign 831.511+/-1394.255 χ^2/NDF: 22.8/20

All: 368.668+/-907.975 χ^2/NDF: 39.7/43

- sign 27.830+/-1196.460 χ^2/NDF: 16.7/22

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4712.901+/-1.745 χ^2/NDF:13036.2/4

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

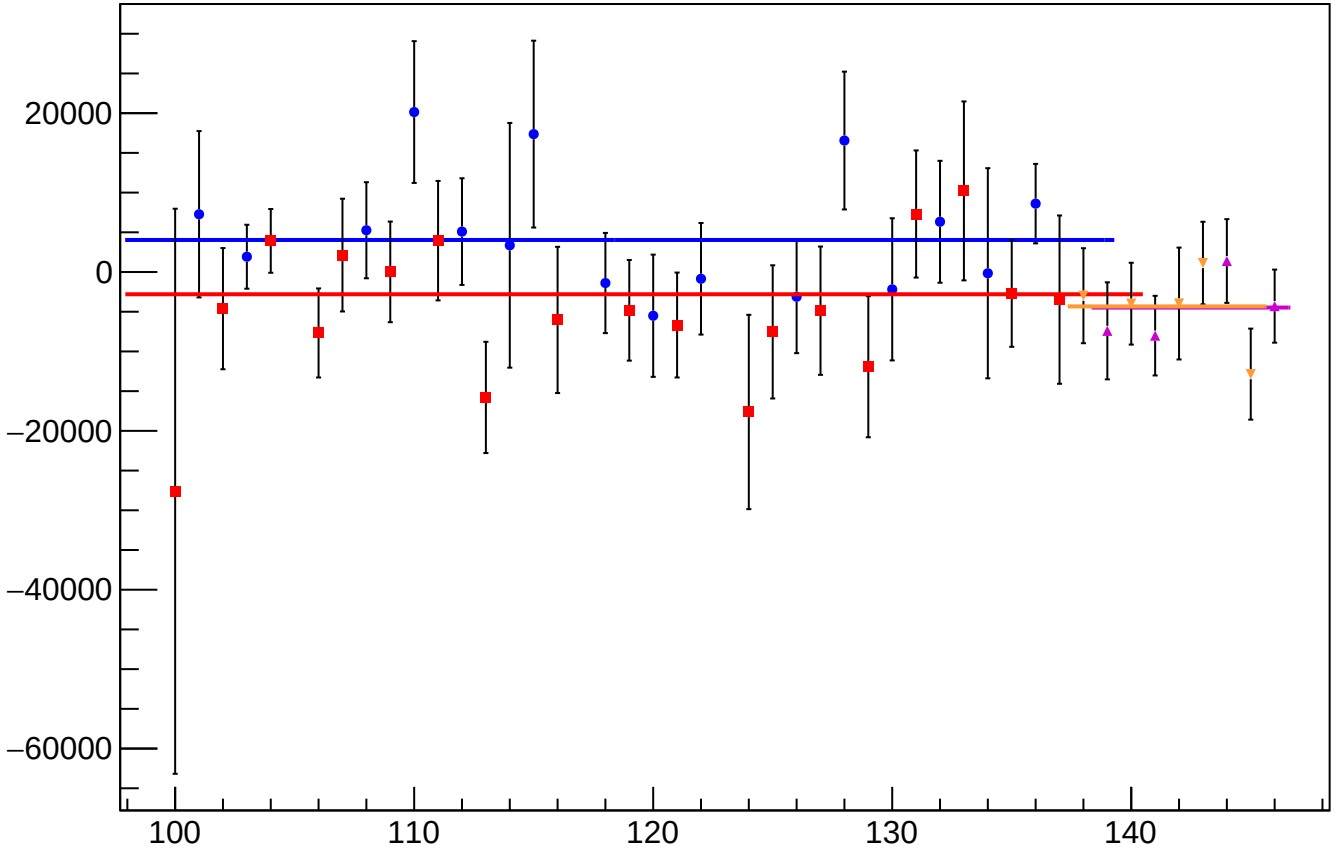
Left In: 4646.865+/-1.763 χ^2/NDF:64280.4/3

+ sign 4533.077+/-0.986 χ^2/NDF: 523256.6/20

All: 4048.965+/-0.642 χ^2/NDF: 3712769.3/43

- sign 3692.466+/-0.846 χ^2/NDF: 2770827.7/22

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -4328.690+/-2554.487 χ^2/NDF:3.4/4

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

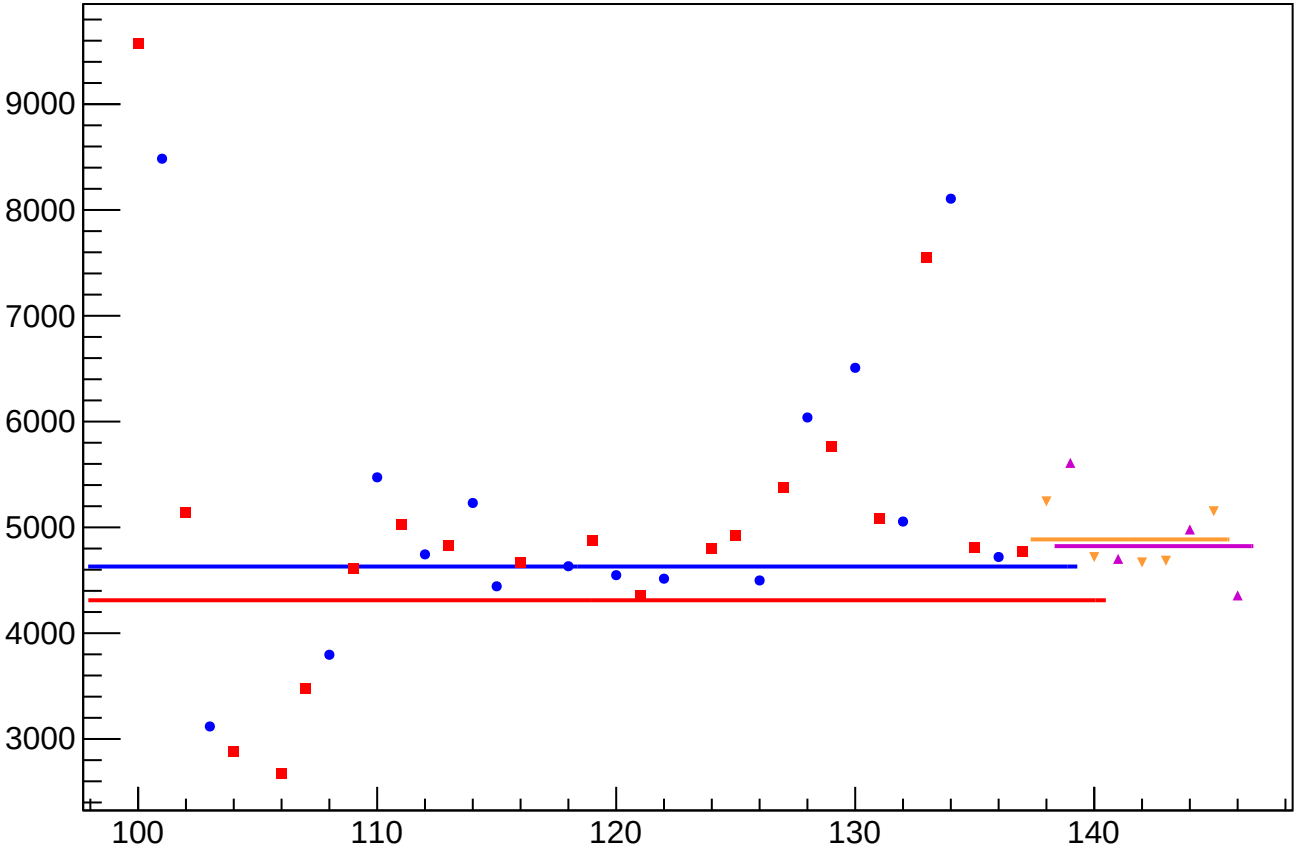
Left In: -4473.663+/-2583.377 χ^2/NDF:2.0/3

+ sign 1296.861+/-1461.537 χ^2/NDF: 22.9/20

All: -1091.611+/-1012.353 χ^2/NDF: 45.8/43

- sign -3294.437+/-1403.588 χ^2/NDF: 17.7/22

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4886.278+/-1.806 χ^2/NDF:18541.4/4

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

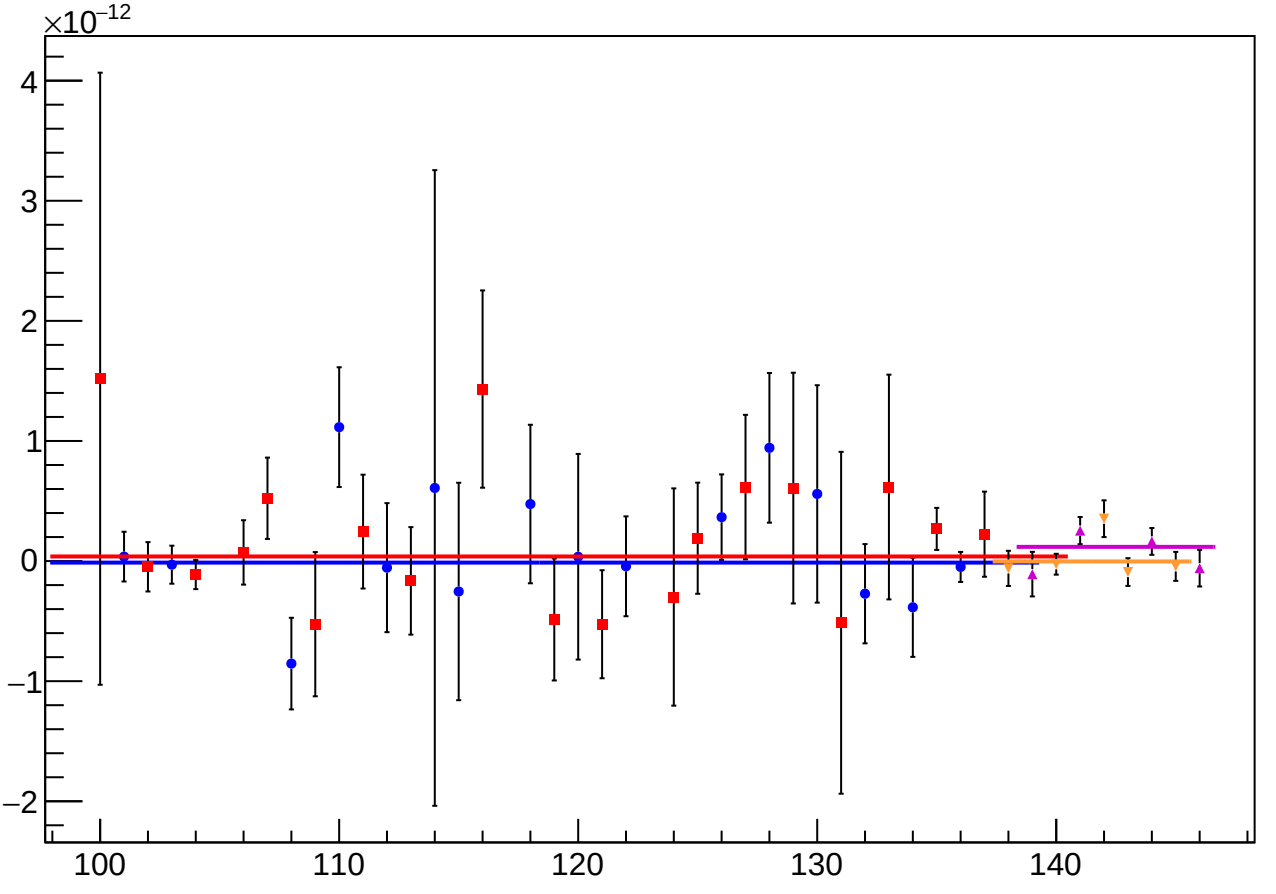
Left In: 4822.746+/-1.827 χ^2/NDF:56635.6/3

+ sign 4713.870+/-1.033 χ^2/NDF: 932331.6/20

All: 4581.220+/-0.714 χ^2/NDF: 1980737.8/43

- sign 4460.374+/-0.986 χ^2/NDF: 1016922.2/22

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:6.3/4

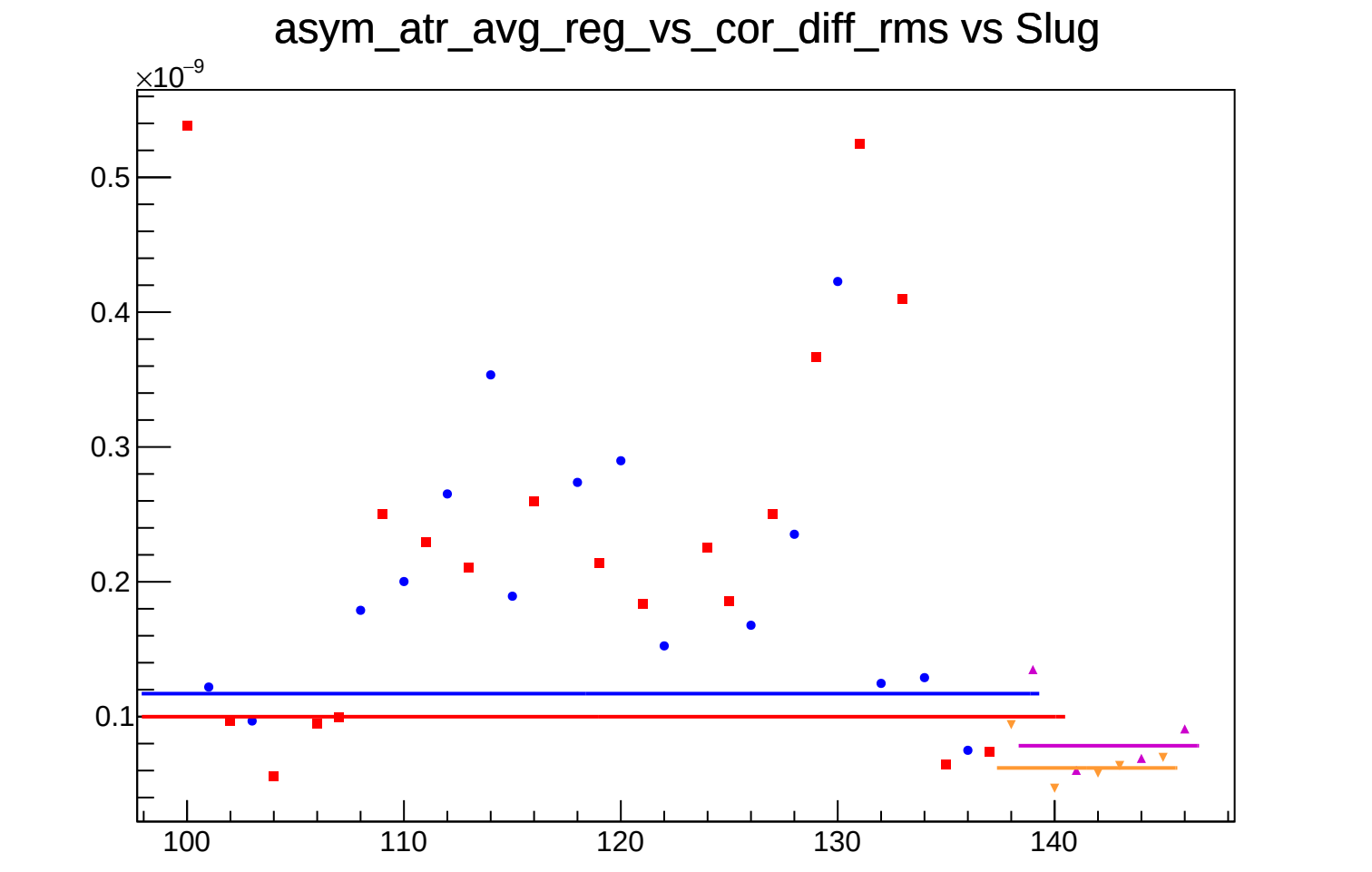
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/3

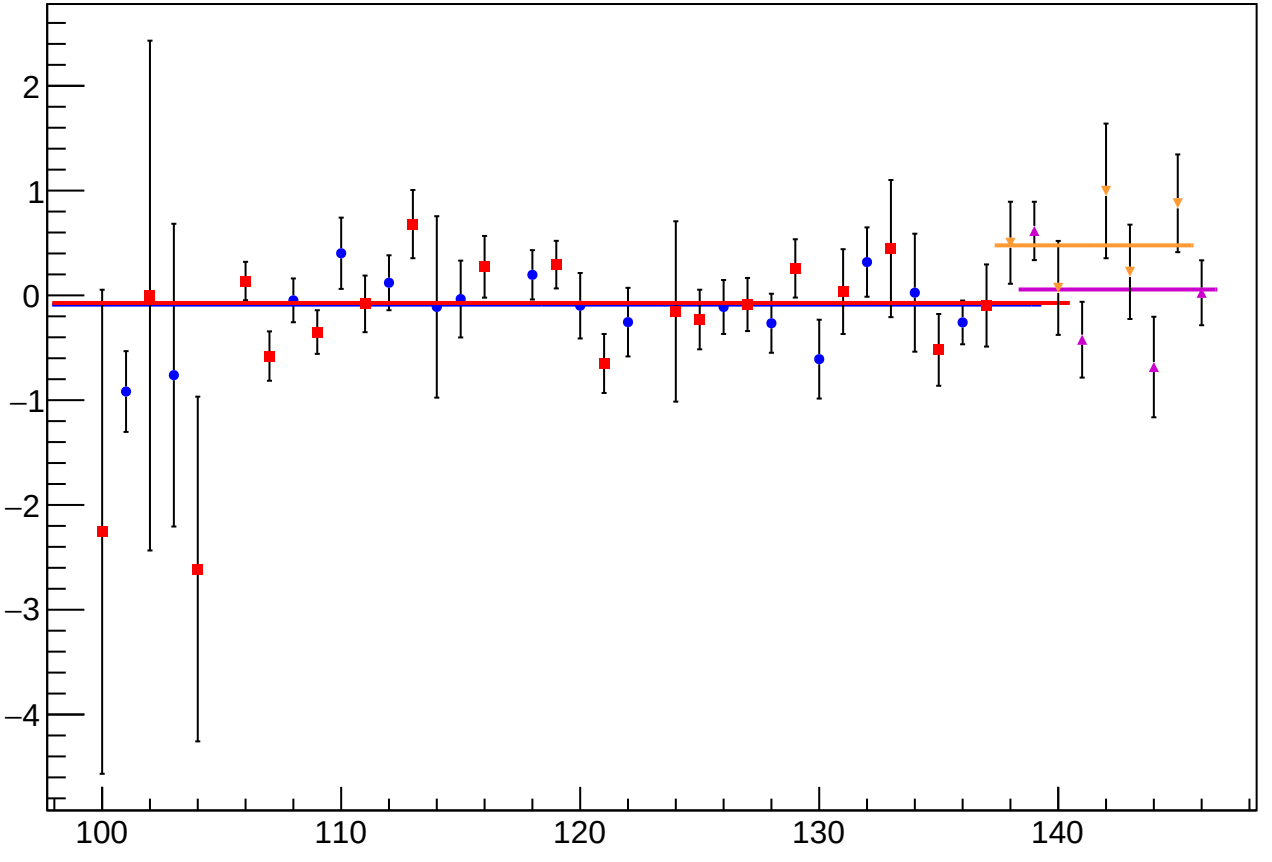
+ sign -0.000+/-0.000 χ^2/NDF: 22.2/20

All: 0.000+/-0.000 χ^2/NDF: 44.2/43

- sign 0.000+/-0.000 χ^2/NDF: 20.1/22


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
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:166475.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:265037.2/3
+ sign 0.000+/-0.000 χ²/NDF: 1988230.3/20
All: 0.000+/-0.000 χ²/NDF: 4226352.3/43
- sign 0.000+/-0.000 χ²/NDF: 2205547.1/22

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.477+/-0.206 χ^2/NDF:2.5/4

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

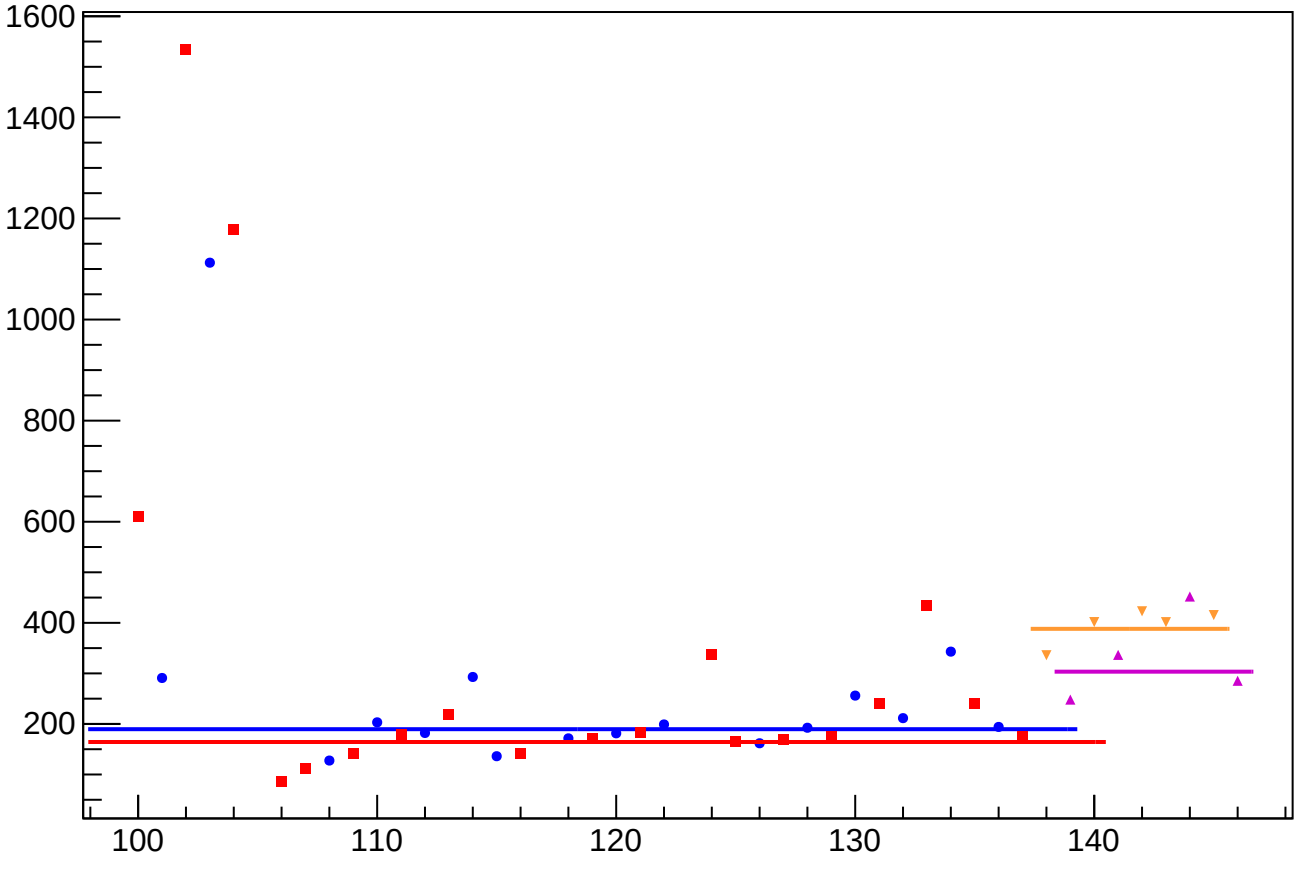
Left In: 0.056+/-0.168 χ^2/NDF:8.2/3

+ sign -0.019+/-0.072 χ^2/NDF: 23.0/20

All: -0.038+/-0.048 χ^2/NDF: 60.4/43

- sign -0.053+/-0.065 χ^2/NDF: 37.3/22

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 388.147+/-0.146 χ^2/NDF:51750.9/4

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

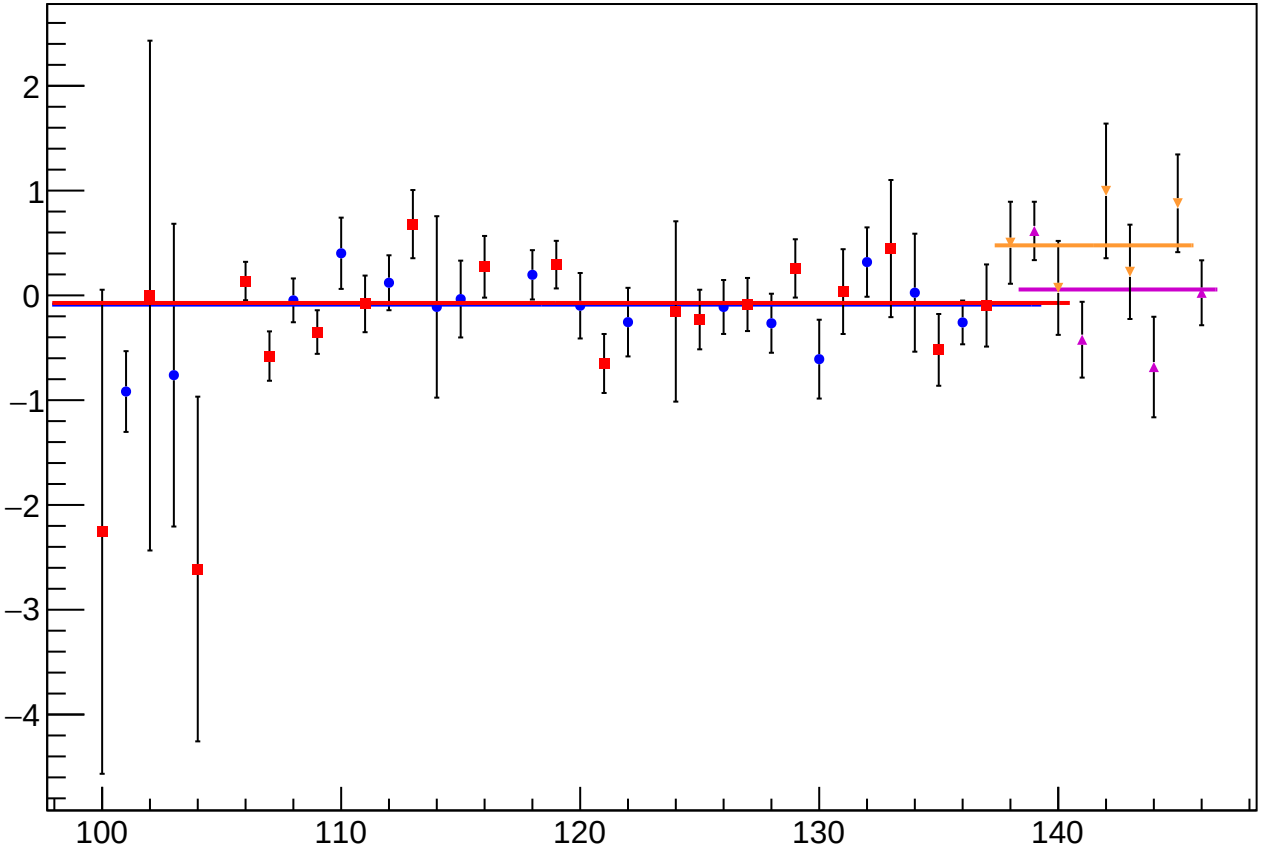
Left In: 303.415+/-0.119 χ^2/NDF:294298.4/3

+ sign 213.744+/-0.051 χ^2/NDF: 3141909.4/20

All: 197.734+/-0.034 χ^2/NDF: 7423726.2/43

- sign 184.812+/-0.046 χ^2/NDF: 4102880.9/22

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: 0.477+/-0.206 χ^2/NDF:2.5/4

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

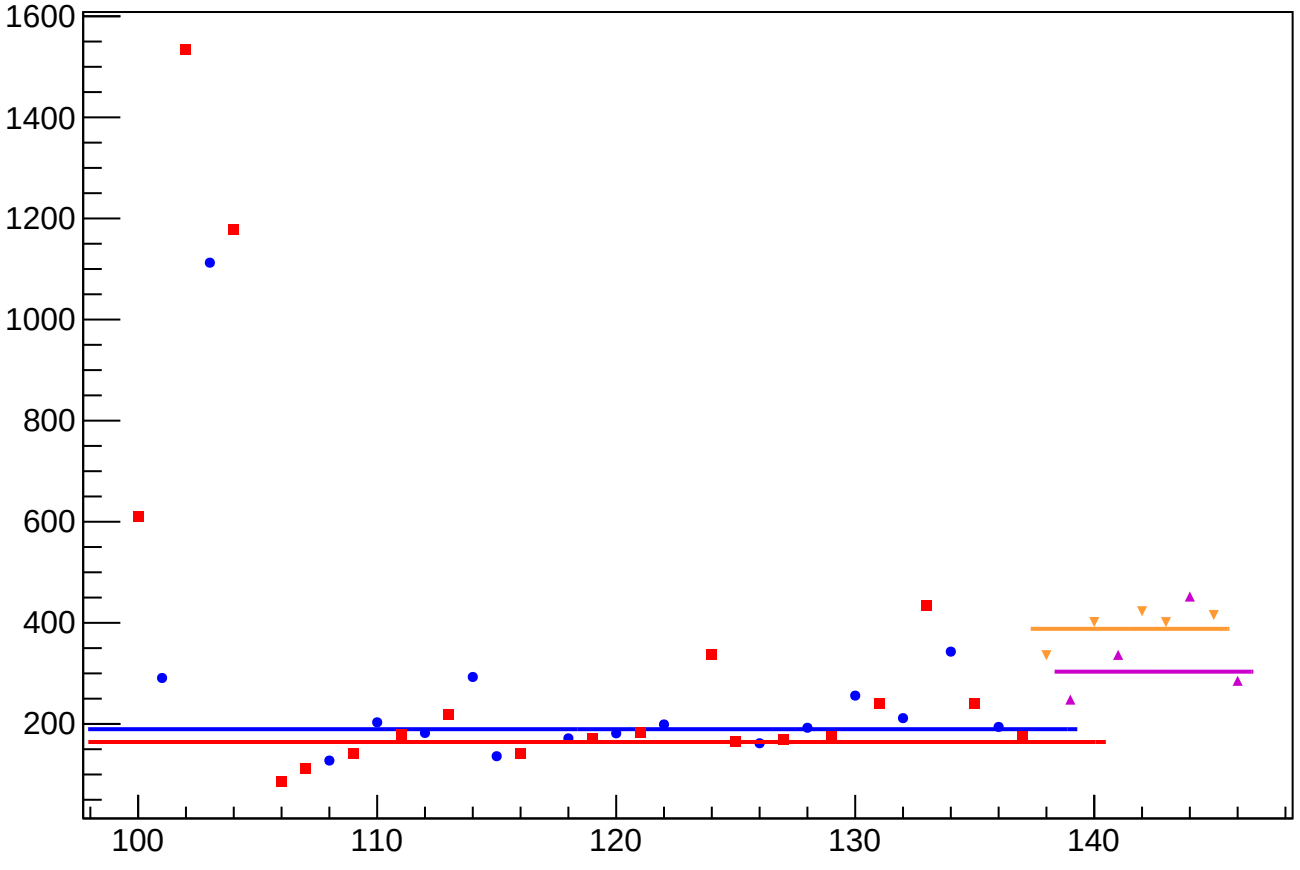
Left In: 0.056+/-0.168 χ^2/NDF:8.2/3

+ sign -0.019+/-0.072 χ^2/NDF: 23.0/20

All: -0.038+/-0.048 χ^2/NDF: 60.4/43

- sign -0.053+/-0.065 χ^2/NDF: 37.3/22

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: 388.147+/-0.146 χ^2/NDF:51750.9/4

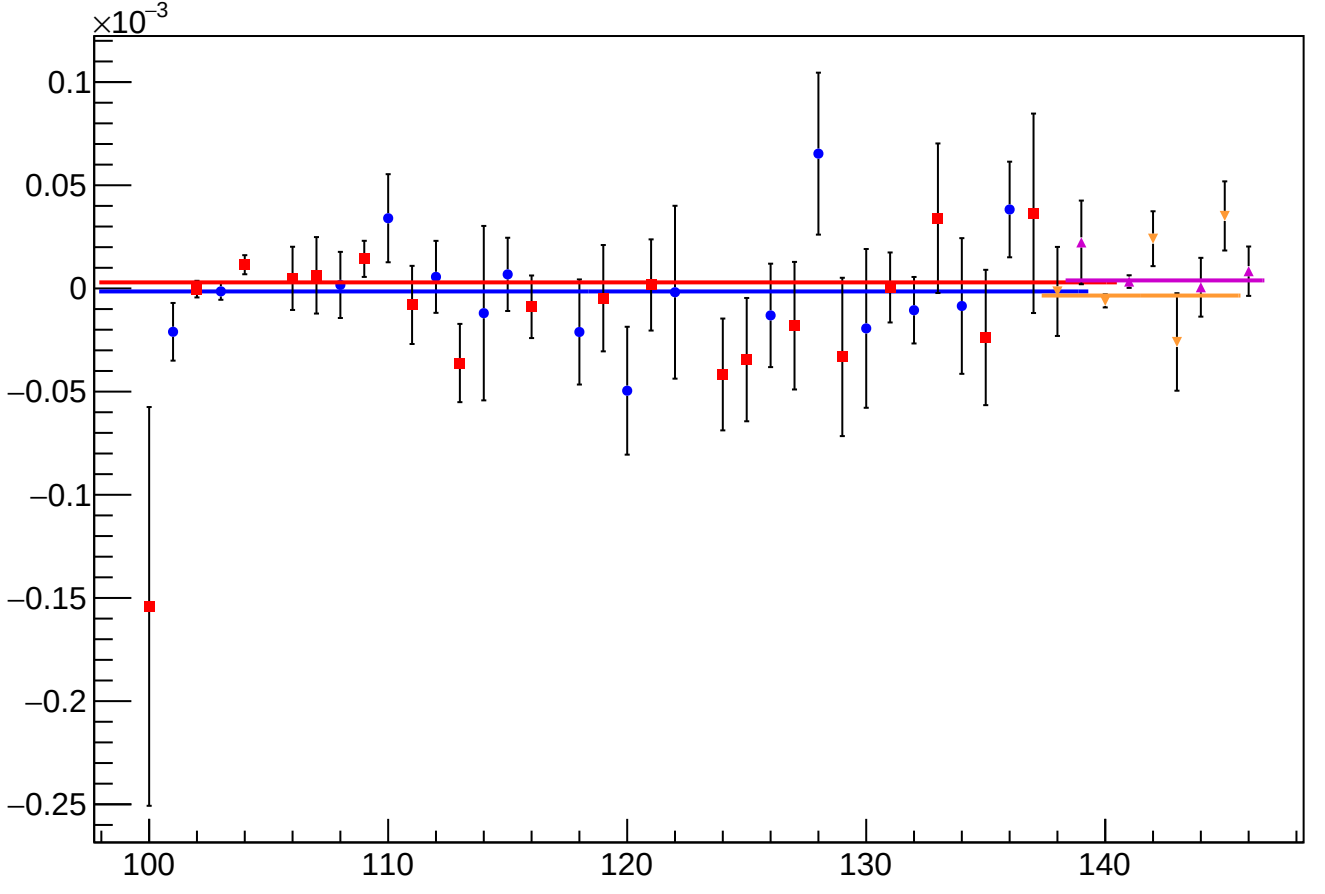
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 303.415+/-0.119 χ^2/NDF:294298.4/3

+ sign 213.744+/-0.051 χ^2/NDF: 3141909.4/20

All: 197.734+/-0.034 χ^2/NDF: 7423726.2/43

- sign 184.812+/-0.046 χ^2/NDF: 4102880.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

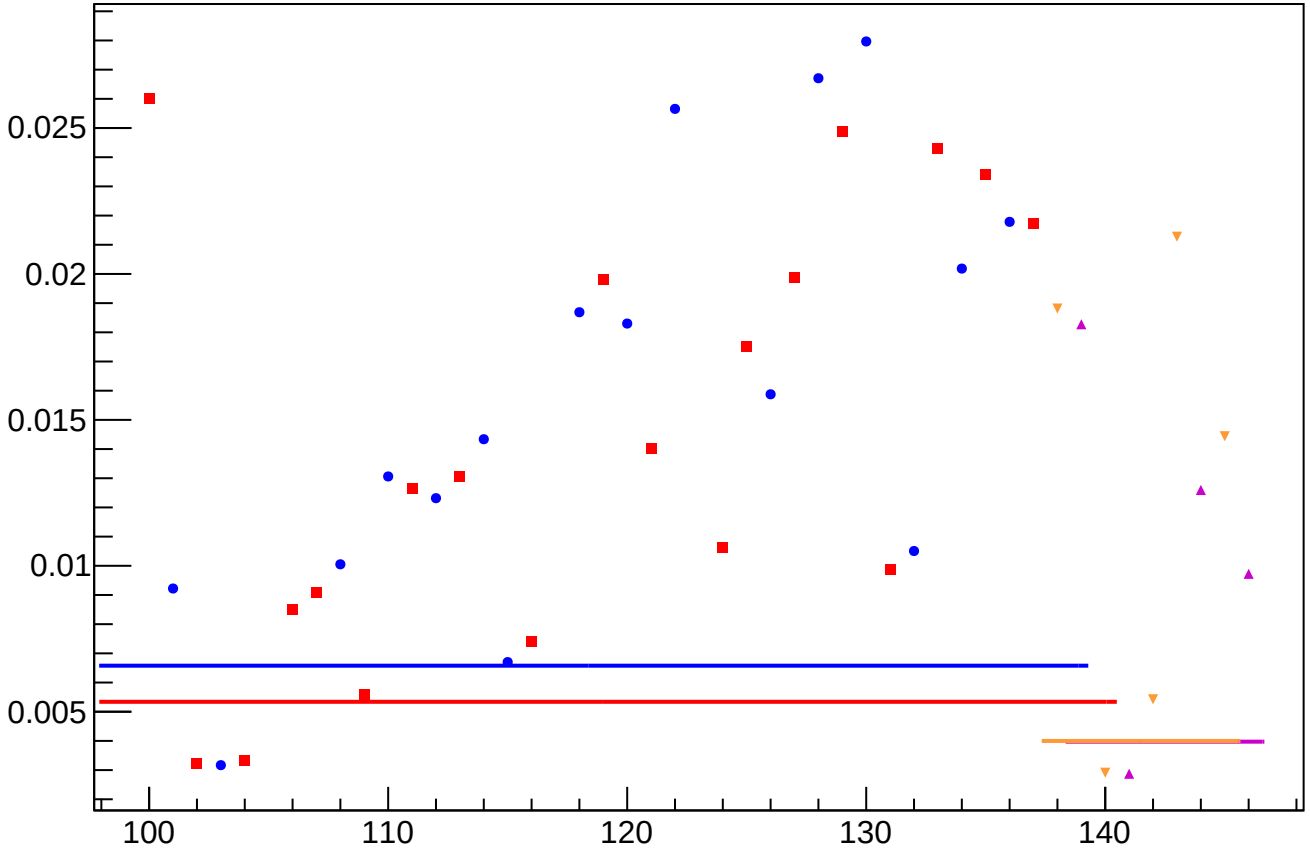
Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.2/20

All: 0.000+/-0.000 χ^2/NDF: 52.7/43

- sign 0.000+/-0.000 χ^2/NDF: 22.4/22

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: 0.004+/-0.000 χ^2/NDF:3047392.6/4

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

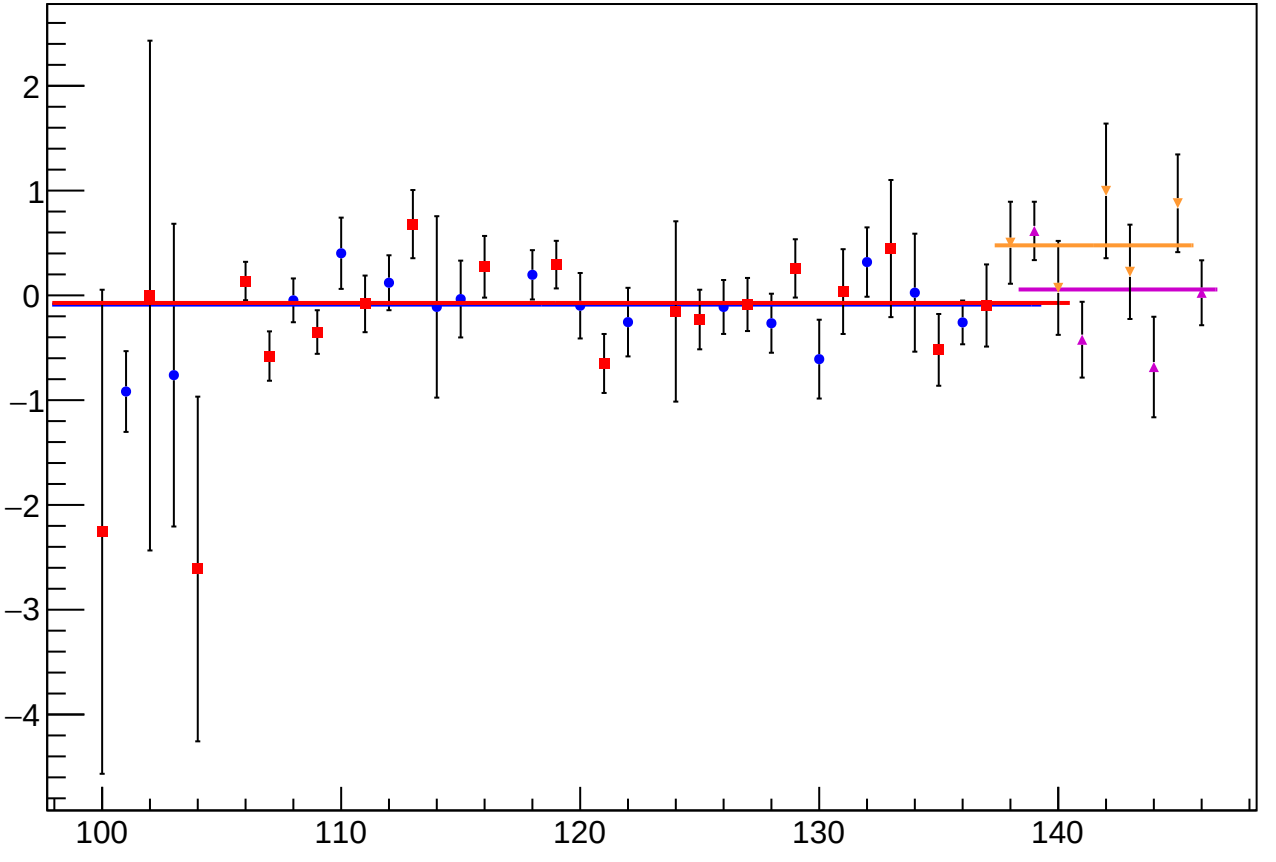
Left In: 0.004+/-0.000 χ^2/NDF:2448719.4/3

+ sign 0.005+/-0.000 χ^2/NDF: 9645138.7/20

All: 0.005+/-0.000 χ^2/NDF: 18072295.6/43

- sign 0.005+/-0.000 χ^2/NDF: 8386330.8/22

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: 0.477+/-0.206 χ^2/NDF:2.5/4

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

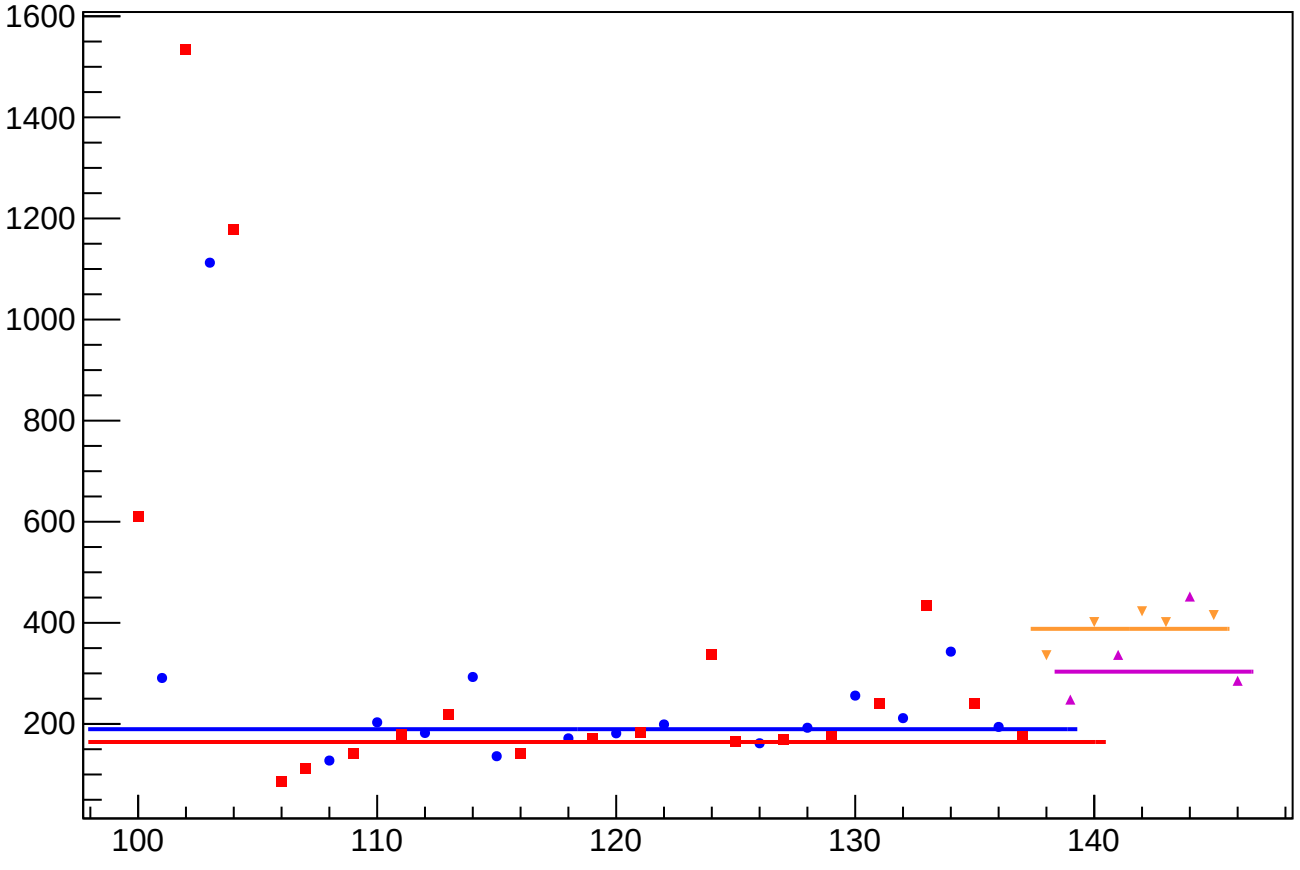
Left In: 0.056+/-0.168 χ^2/NDF:8.2/3

+ sign -0.019+/-0.072 χ^2/NDF: 23.0/20

All: -0.038+/-0.048 χ^2/NDF: 60.4/43

- sign -0.053+/-0.065 χ^2/NDF: 37.3/22

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: 388.152+/-0.146 χ^2/NDF:51747.2/4

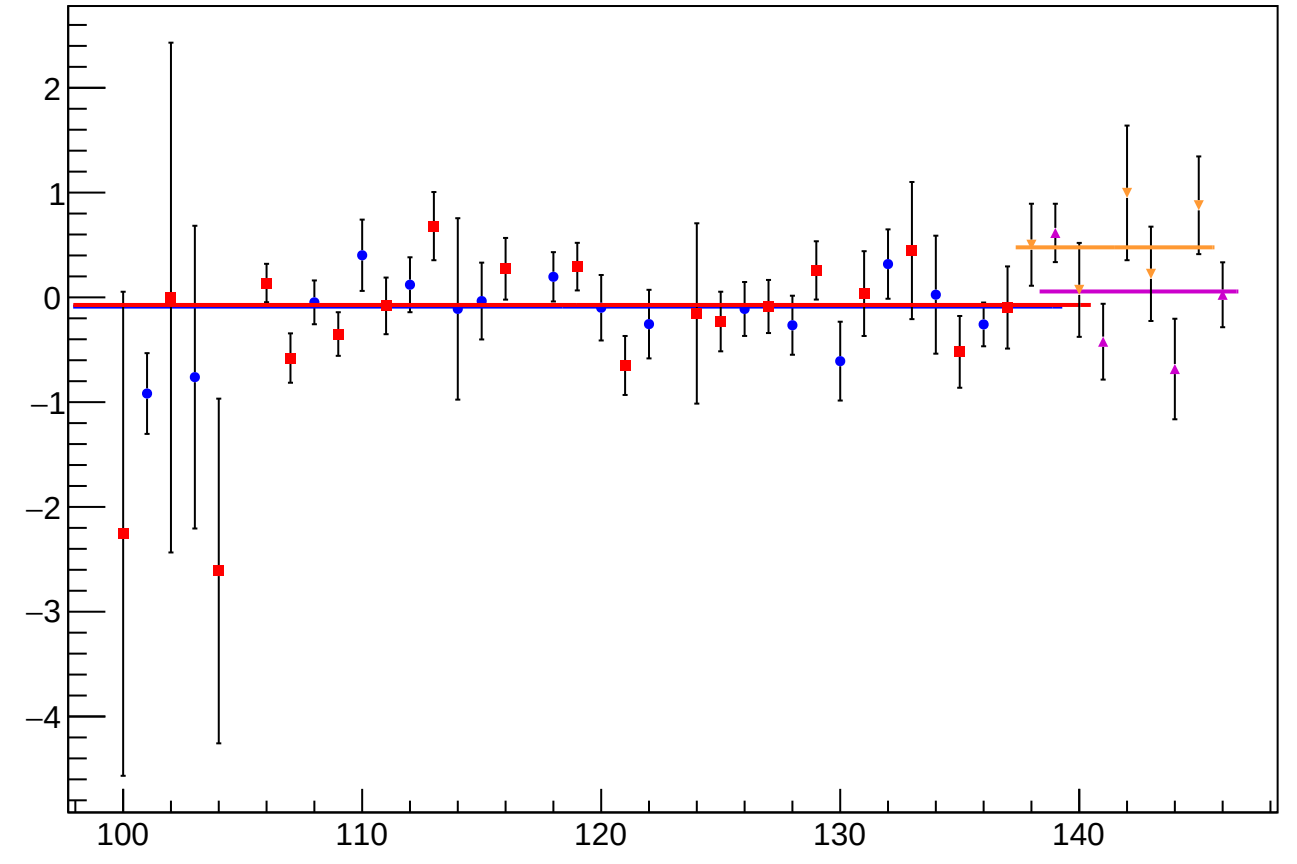
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 303.419+/-0.119 χ^2/NDF:294288.0/3

+ sign 213.743+/-0.051 χ^2/NDF: 3141947.0/20

All: 197.733+/-0.034 χ^2/NDF: 7423785.9/43

- sign 184.811+/-0.046 χ^2/NDF: 4102902.8/22



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.477+/-0.206 χ^2/NDF:2.5/4

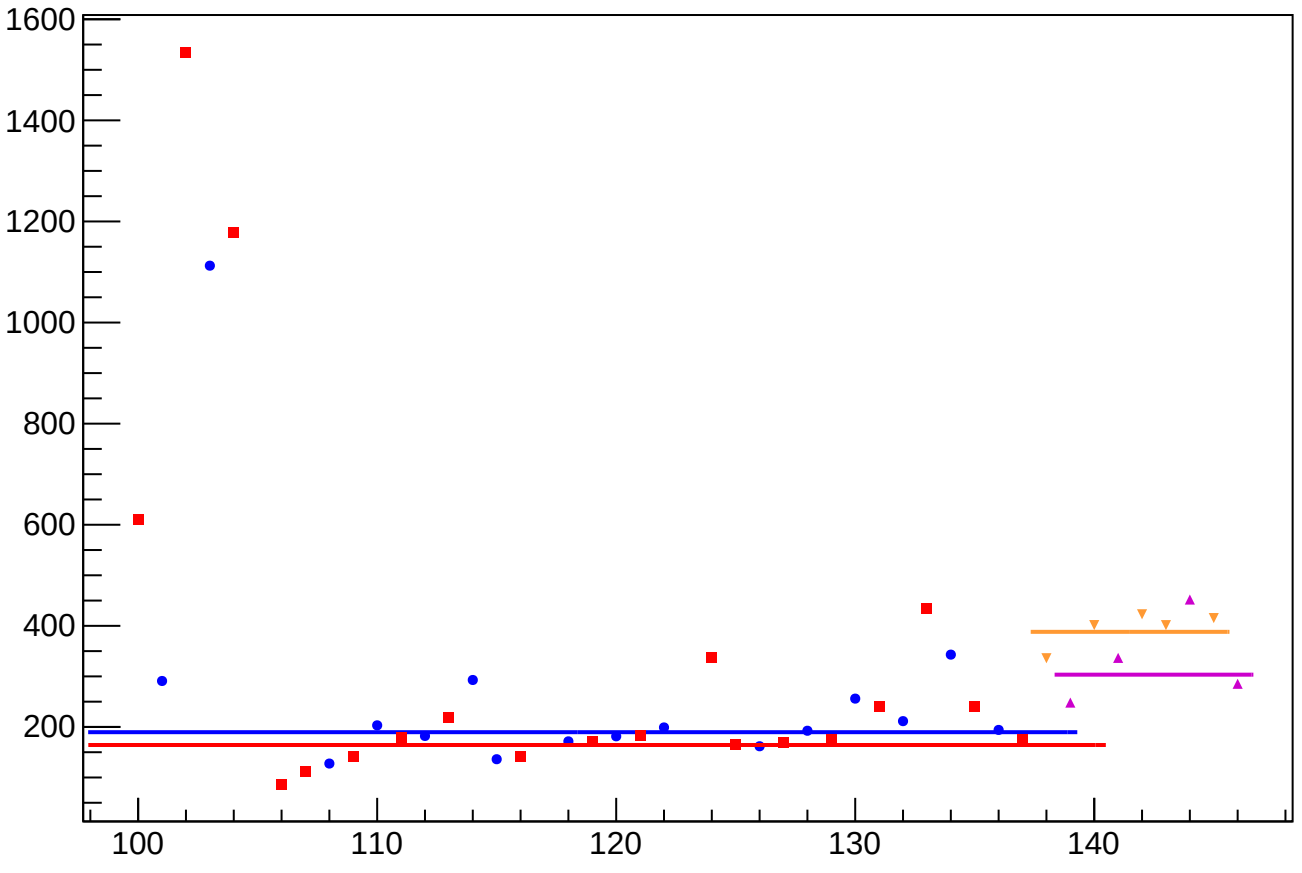
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.056+/-0.168 χ^2/NDF:8.2/3

+ sign -0.019+/-0.072 χ^2/NDF: 23.0/20

All: -0.038+/-0.048 χ^2/NDF: 60.4/43

- sign -0.053+/-0.065 χ^2/NDF: 37.3/22



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 388.152+/-0.146 χ^2/NDF:51747.2/4

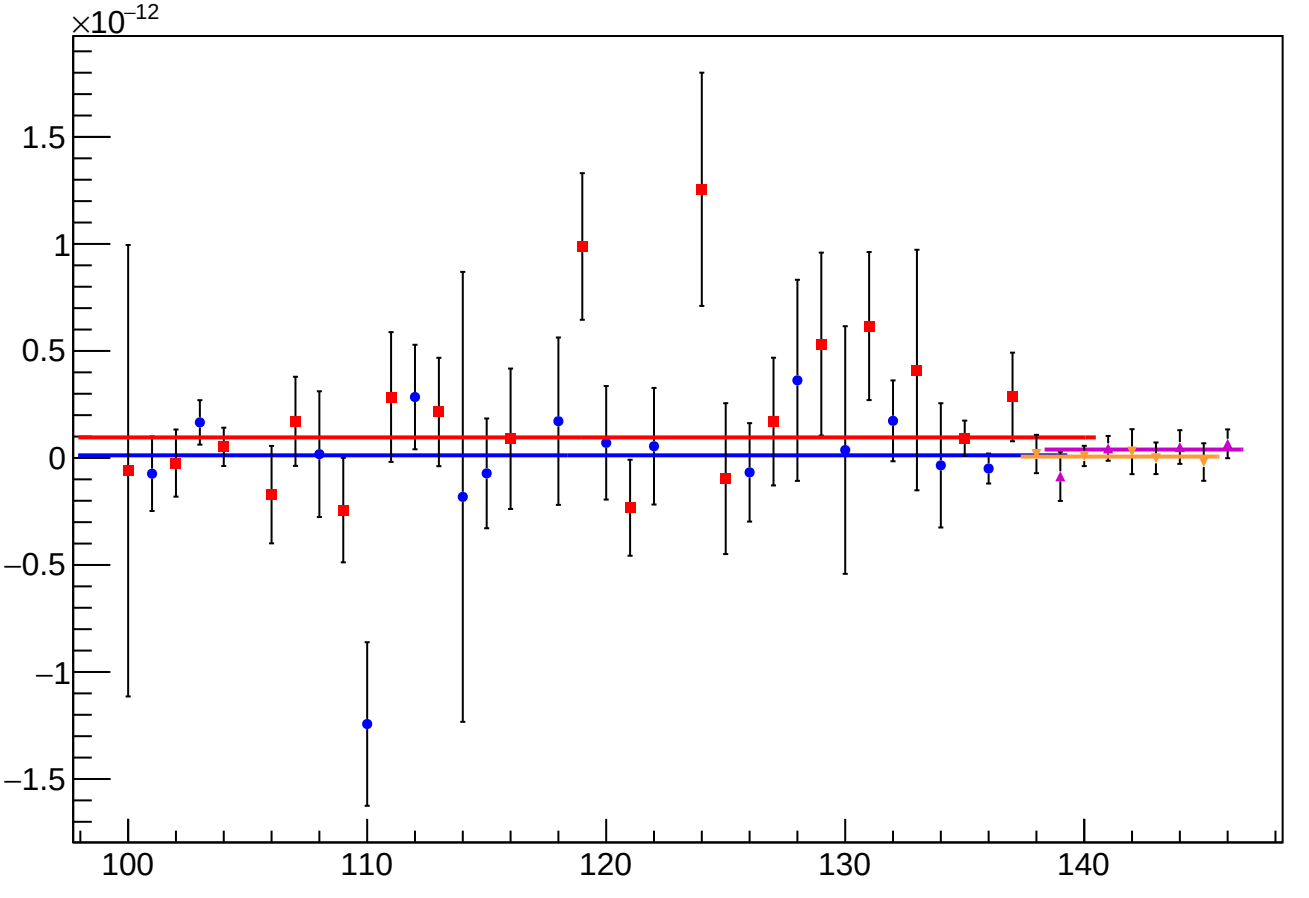
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 303.419+/-0.119 χ^2/NDF:294288.0/3

+ sign 213.743+/-0.051 χ^2/NDF: 3141947.0/20

All: 197.733+/-0.034 χ^2/NDF: 7423785.9/43

- sign 184.811+/-0.046 χ^2/NDF: 4102902.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

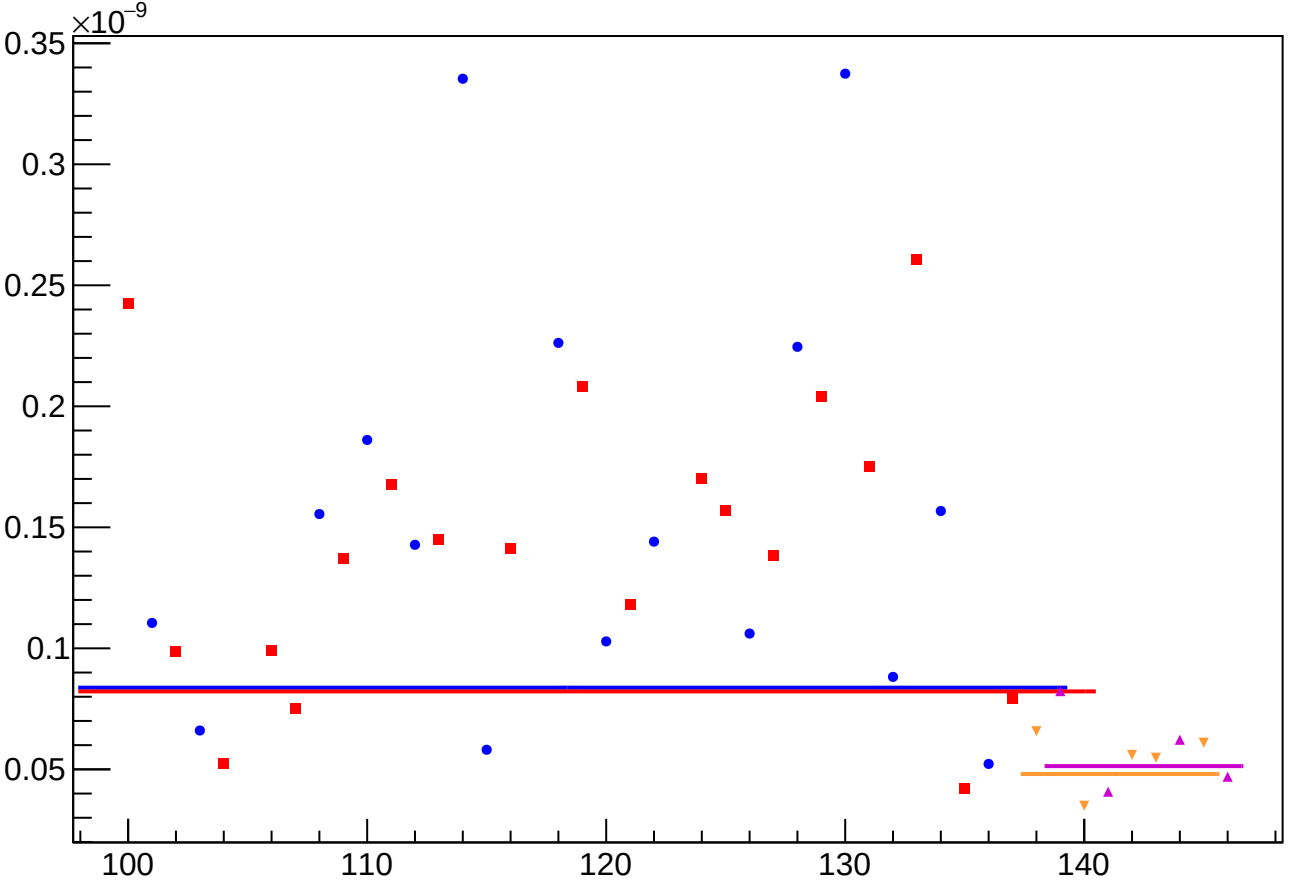
Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 17.2/20

All: 0.000+/-0.000 χ^2/NDF: 44.7/43

- sign 0.000+/-0.000 χ^2/NDF: 25.5/22

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:302213.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

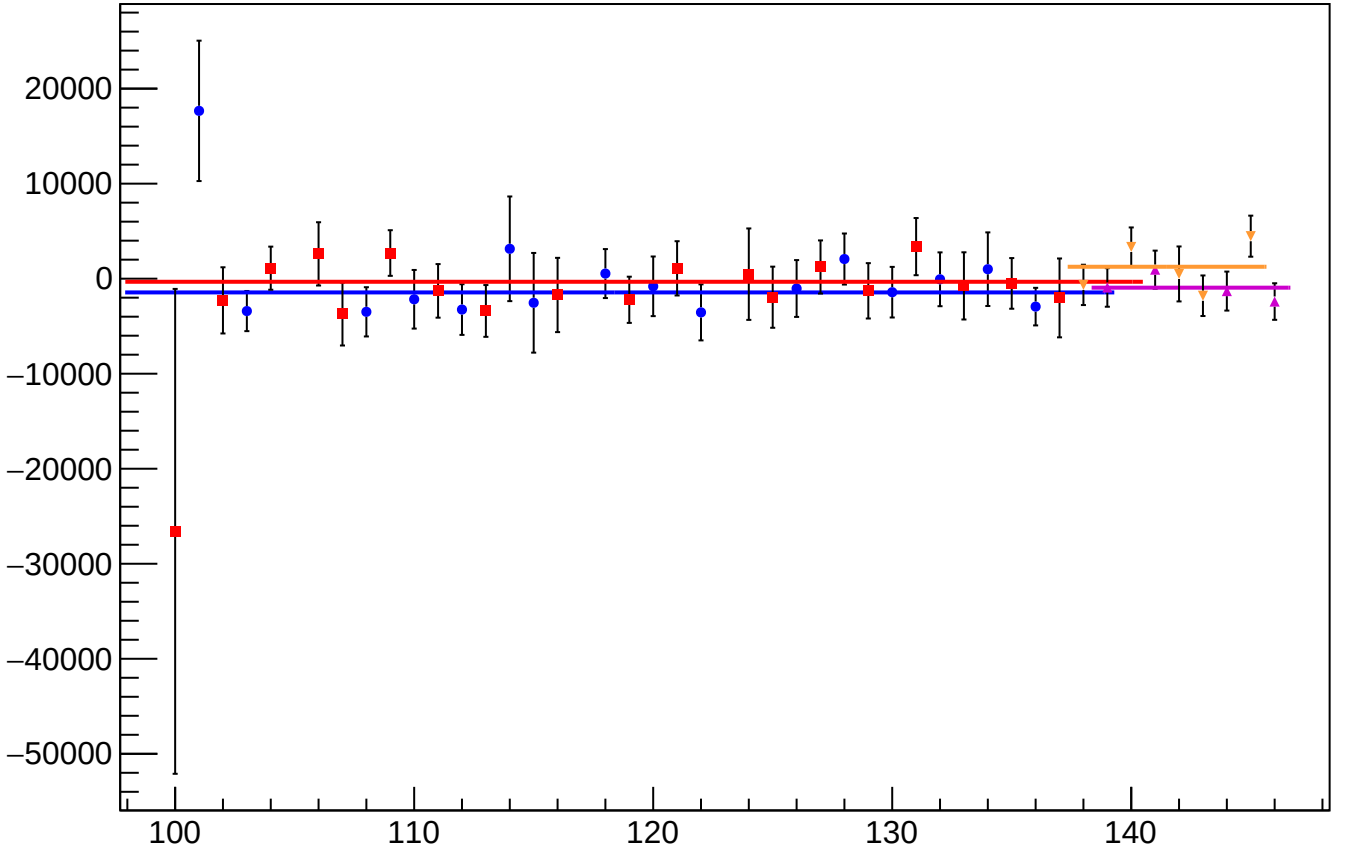
Left In: 0.000+/-0.000 χ^2/NDF:259279.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 3231684.3/20

All: 0.000+/-0.000 χ^2/NDF: 6354996.2/43

- sign 0.000+/-0.000 χ^2/NDF: 3104467.8/22

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1254.037+/-993.699 χ^2/NDF:6.2/4

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

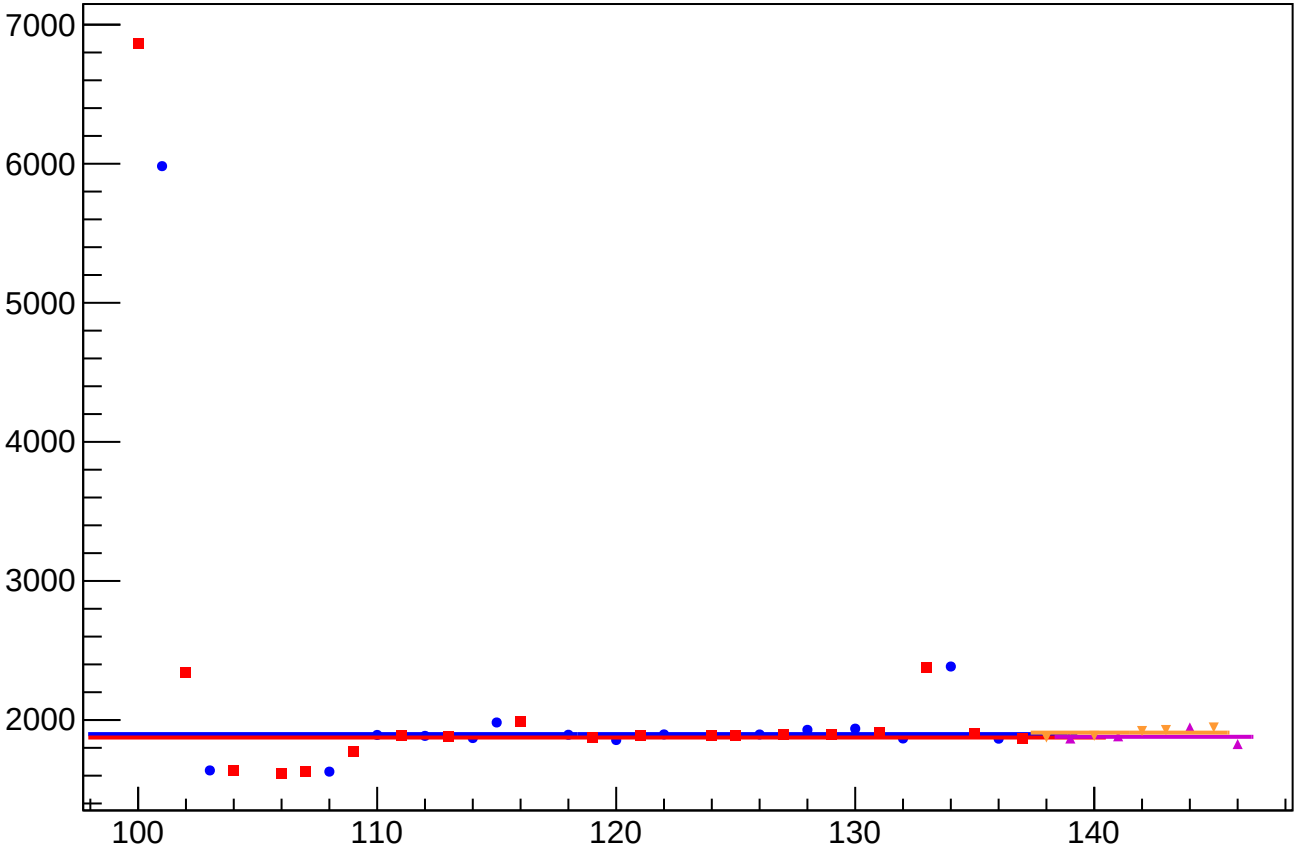
Left In: -947.188+/-999.935 χ^2/NDF:1.5/3

+ sign -511.530+/-584.704 χ^2/NDF: 24.5/20

All: -521.570+/-409.939 χ^2/NDF: 36.2/43

- sign -531.276+/-574.903 χ^2/NDF: 11.7/22

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1909.449+/-0.703 χ^2/NDF:1583.2/4

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

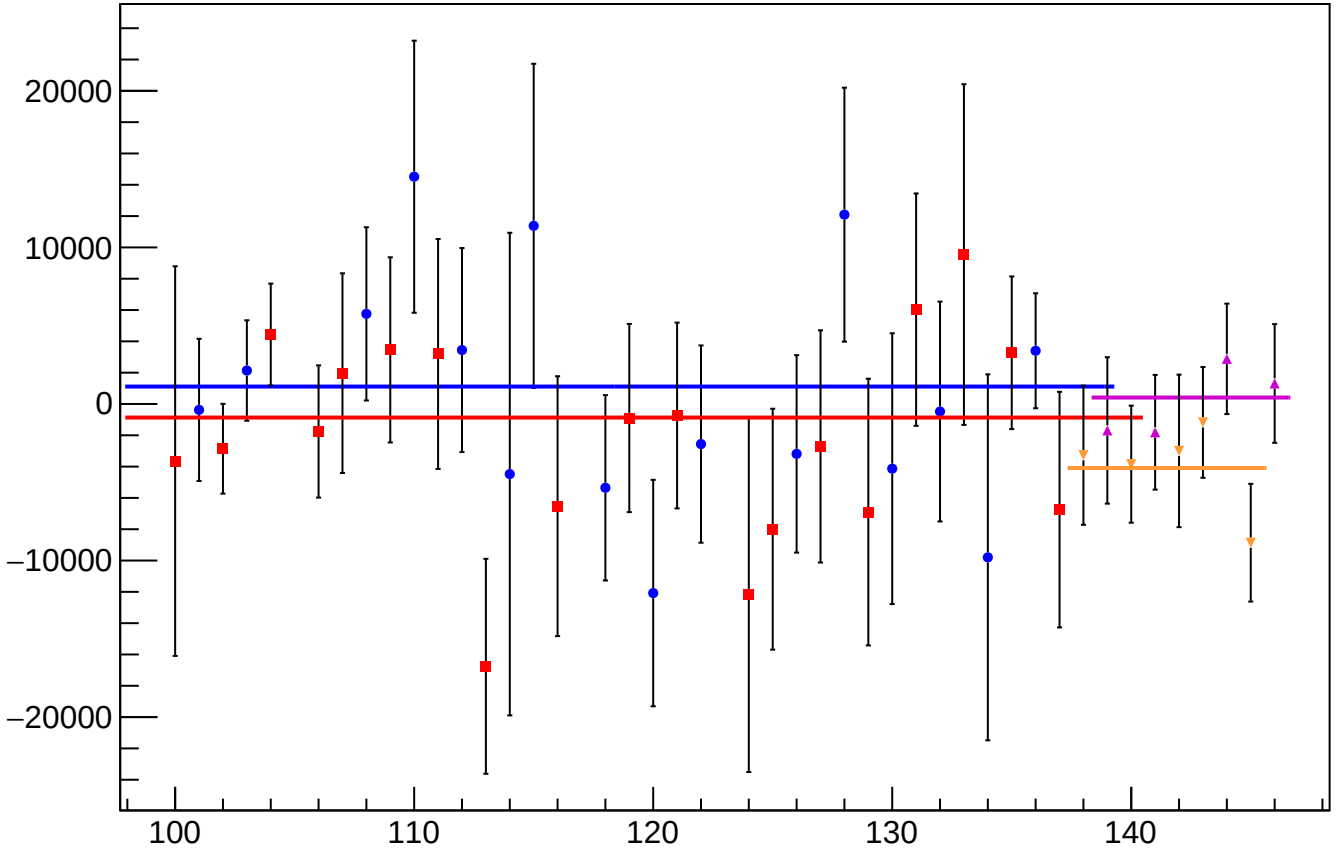
Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

+ sign 1902.504+/-0.413 χ^2/NDF: 699246.9/20

All: 1888.957+/-0.290 χ^2/NDF: 912734.5/43

- sign 1875.920+/-0.406 χ^2/NDF: 211380.9/22

asym_atr_dd_reg_correction_mean vs Slug



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -4090.493+/-1782.189 χ^2/NDF:2.4/4

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

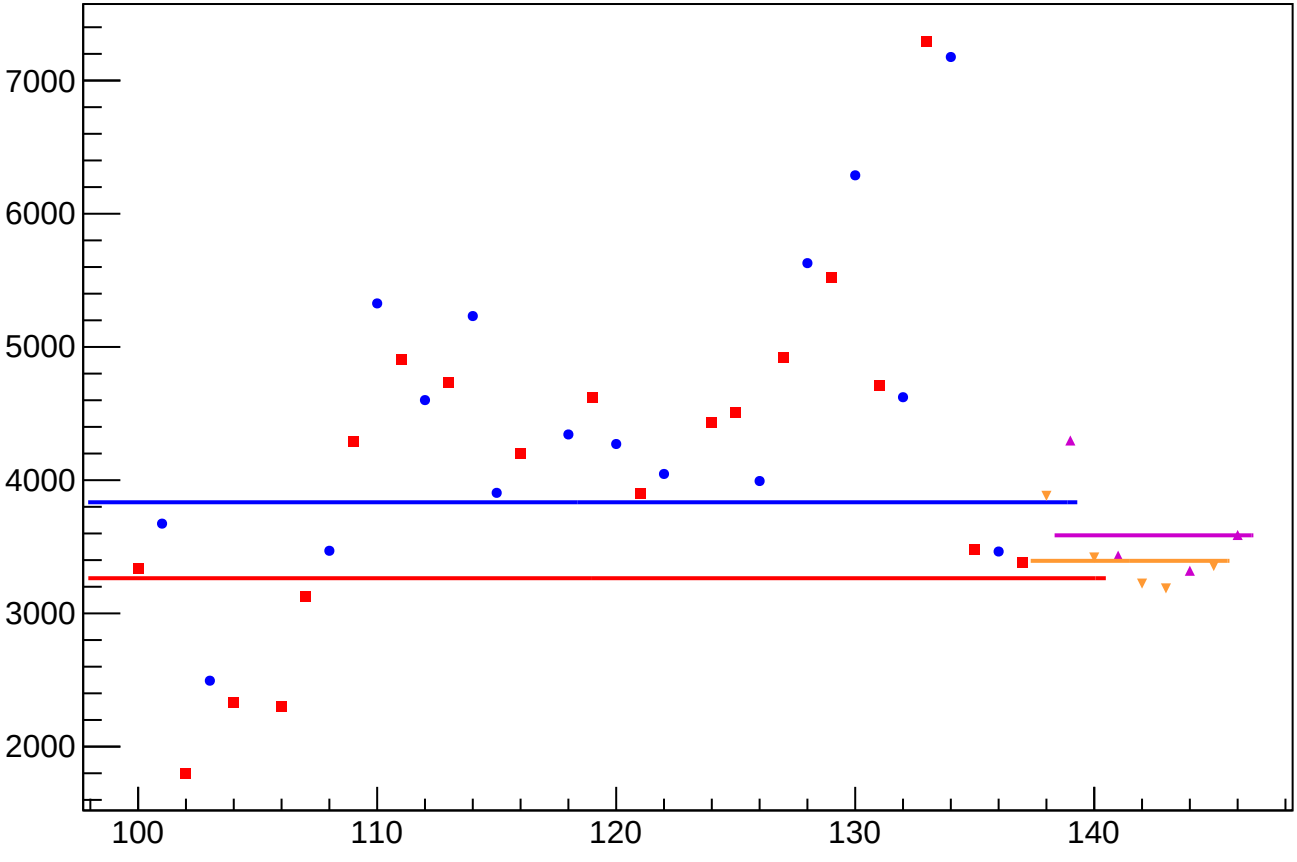
Left In: 411.236+/-1923.777 χ^2/NDF:1.1/3

+ sign -1009.755+/-1138.251 χ^2/NDF: 20.8/20

All: -722.451+/-783.927 χ^2/NDF: 38.0/43

- sign -463.214+/-1081.225 χ^2/NDF: 17.0/22

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3394.566+/-1.260 χ^2/NDF:33725.9/4

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

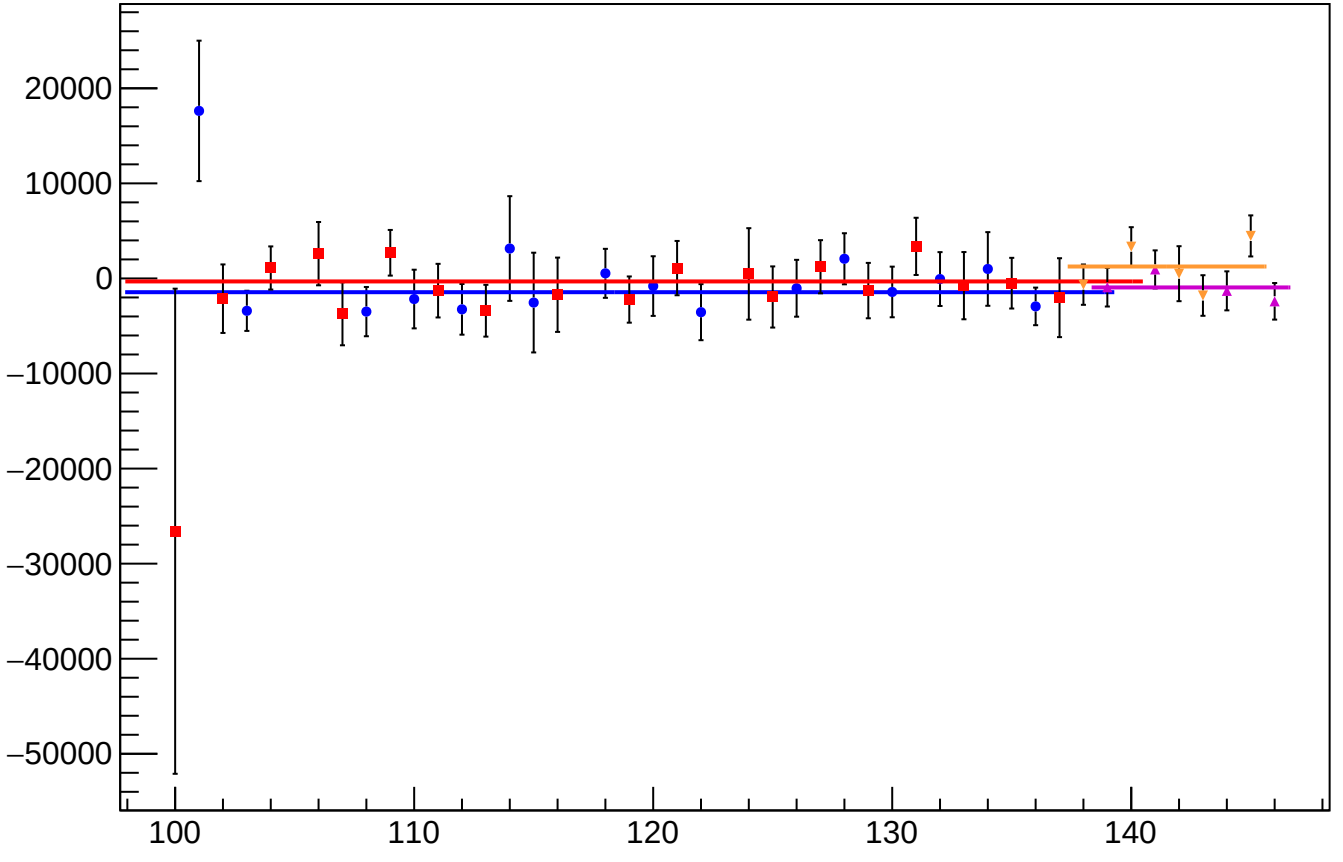
Left In: 3586.027+/-1.360 χ^2/NDF:61192.1/3

+ sign 3654.846+/-0.805 χ^2/NDF: 1062548.7/20

All: 3502.900+/-0.554 χ^2/NDF: 3094092.1/43

- sign 3365.797+/-0.765 χ^2/NDF: 1963745.8/22

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1254.204+/-993.699 χ^2/NDF:6.2/4

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

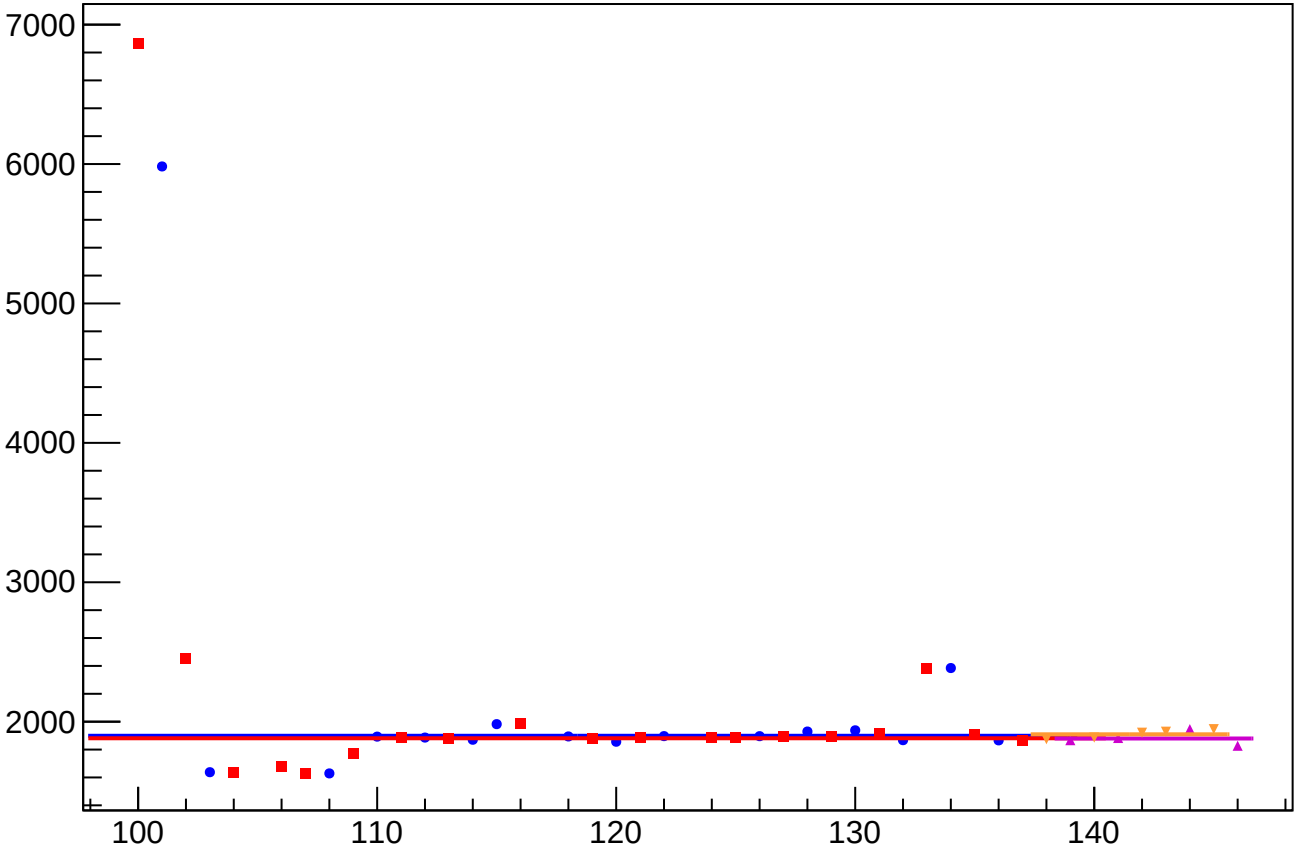
Left In: -947.131+/-999.935 χ^2/NDF:1.5/3

+ sign -511.725+/-584.704 χ^2/NDF: 24.5/20

All: -518.286+/-410.127 χ^2/NDF: 36.1/43

- sign -524.642+/-575.422 χ^2/NDF: 11.6/22

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1909.449+/-0.703 χ^2/NDF:1583.2/4

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

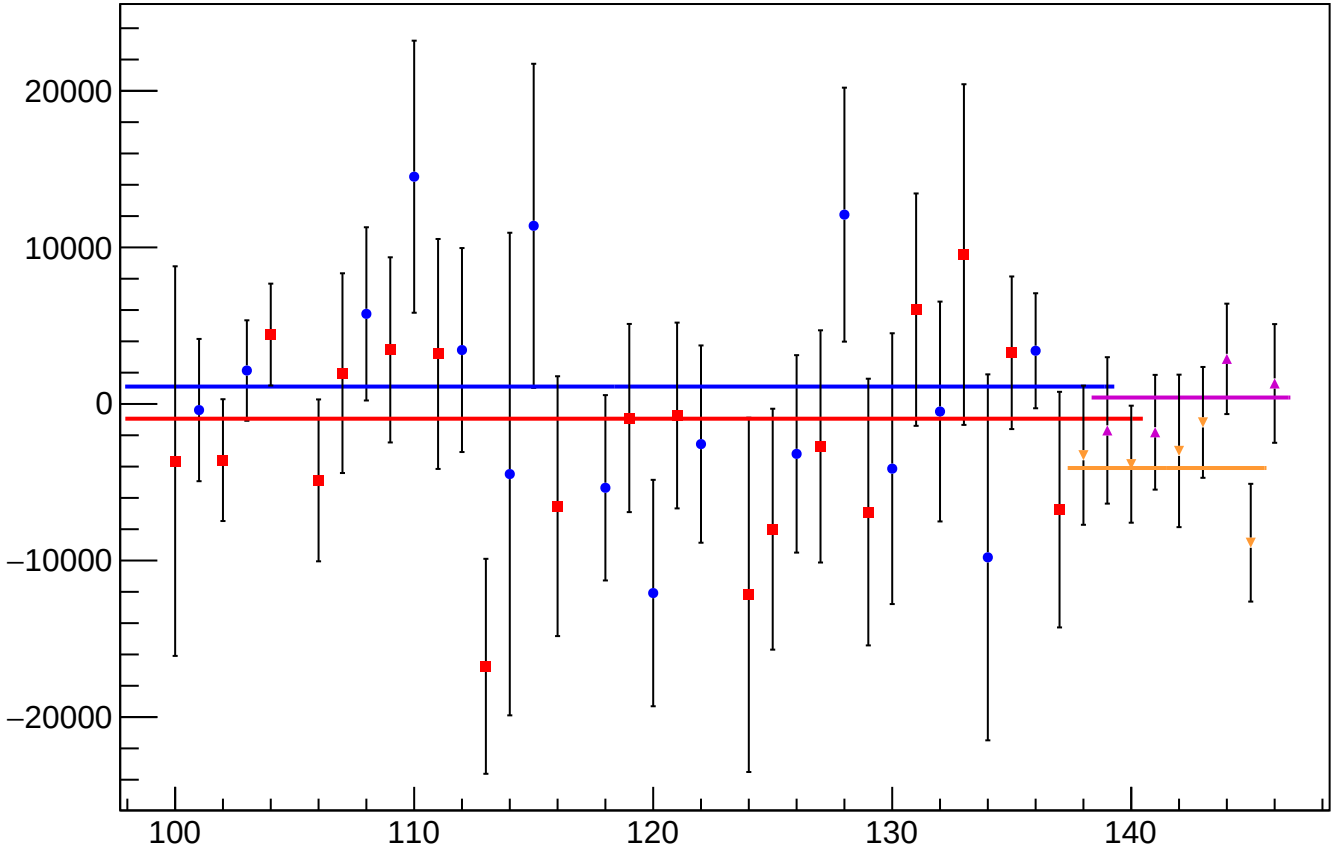
Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

+ sign 1902.504+/-0.413 χ^2/NDF: 699247.0/20

All: 1891.289+/-0.290 χ^2/NDF: 920950.6/43

- sign 1880.450+/-0.406 χ^2/NDF: 220256.8/22

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -4090.209+/-1782.185 χ^2/NDF:2.4/4

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

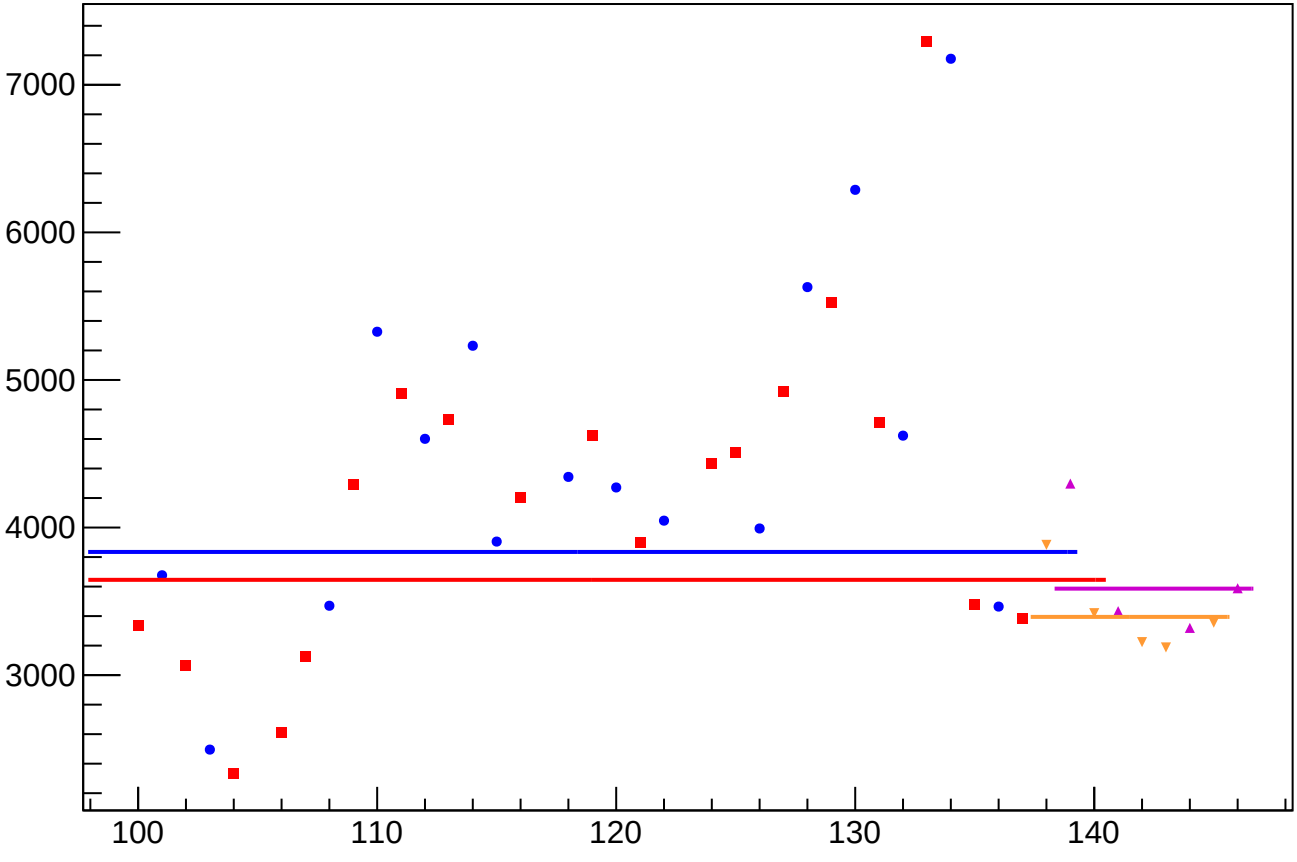
Left In: 411.370+/-1923.771 χ^2/NDF:1.1/3

+ sign -1010.632+/-1138.329 χ^2/NDF: 20.8/20

All: -740.193+/-802.476 χ^2/NDF: 38.5/43

- sign -473.014+/-1131.448 χ^2/NDF: 17.6/22

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3394.558+/-1.260 χ^2/NDF:33727.9/4

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

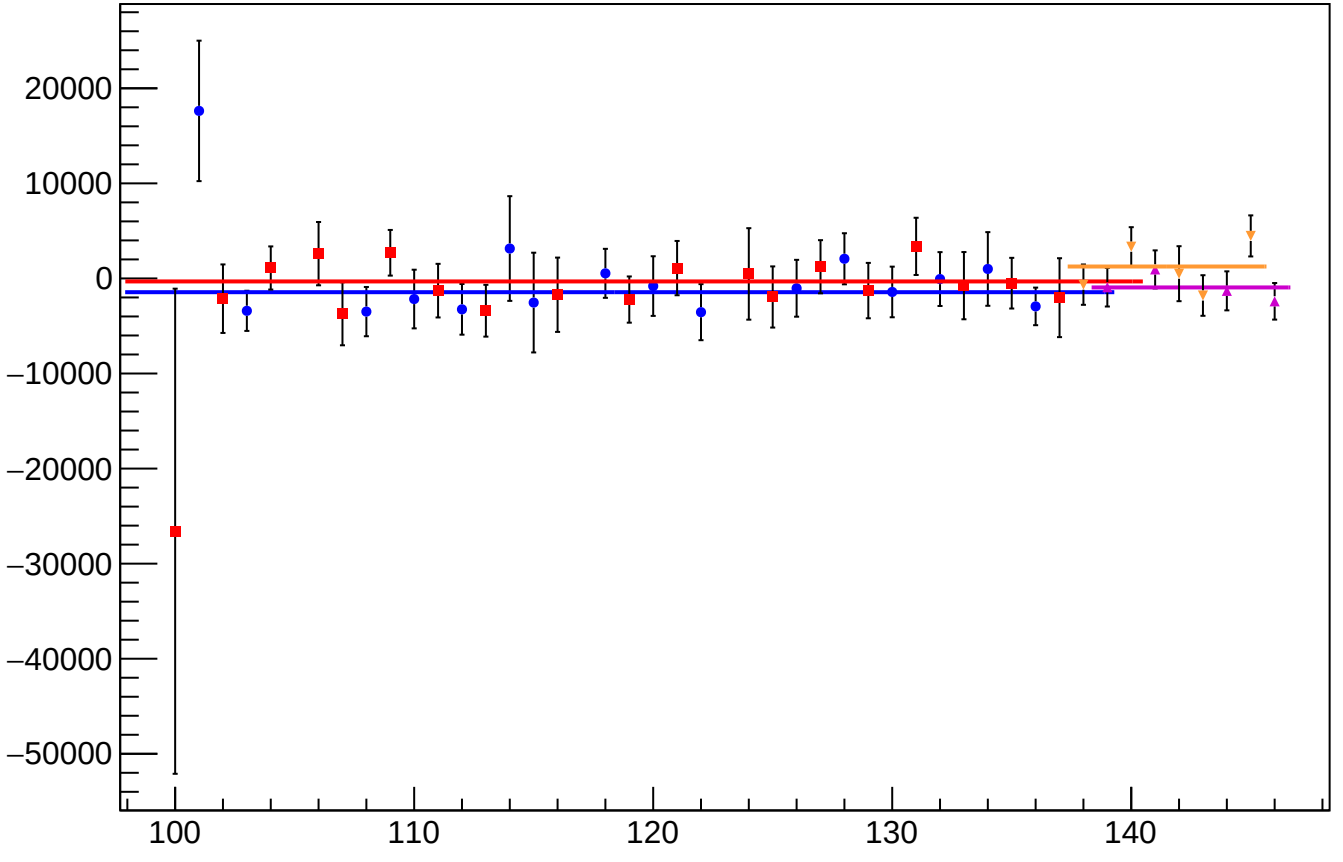
Left In: 3586.015+/-1.360 χ^2/NDF:61192.3/3

+ sign 3655.129+/-0.805 χ^2/NDF: 1062255.8/20

All: 3639.997+/-0.567 χ^2/NDF: 2250390.7/43

- sign 3625.047+/-0.800 χ^2/NDF: 1187432.4/22

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1254.204+/-993.699 χ^2/NDF:6.2/4

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

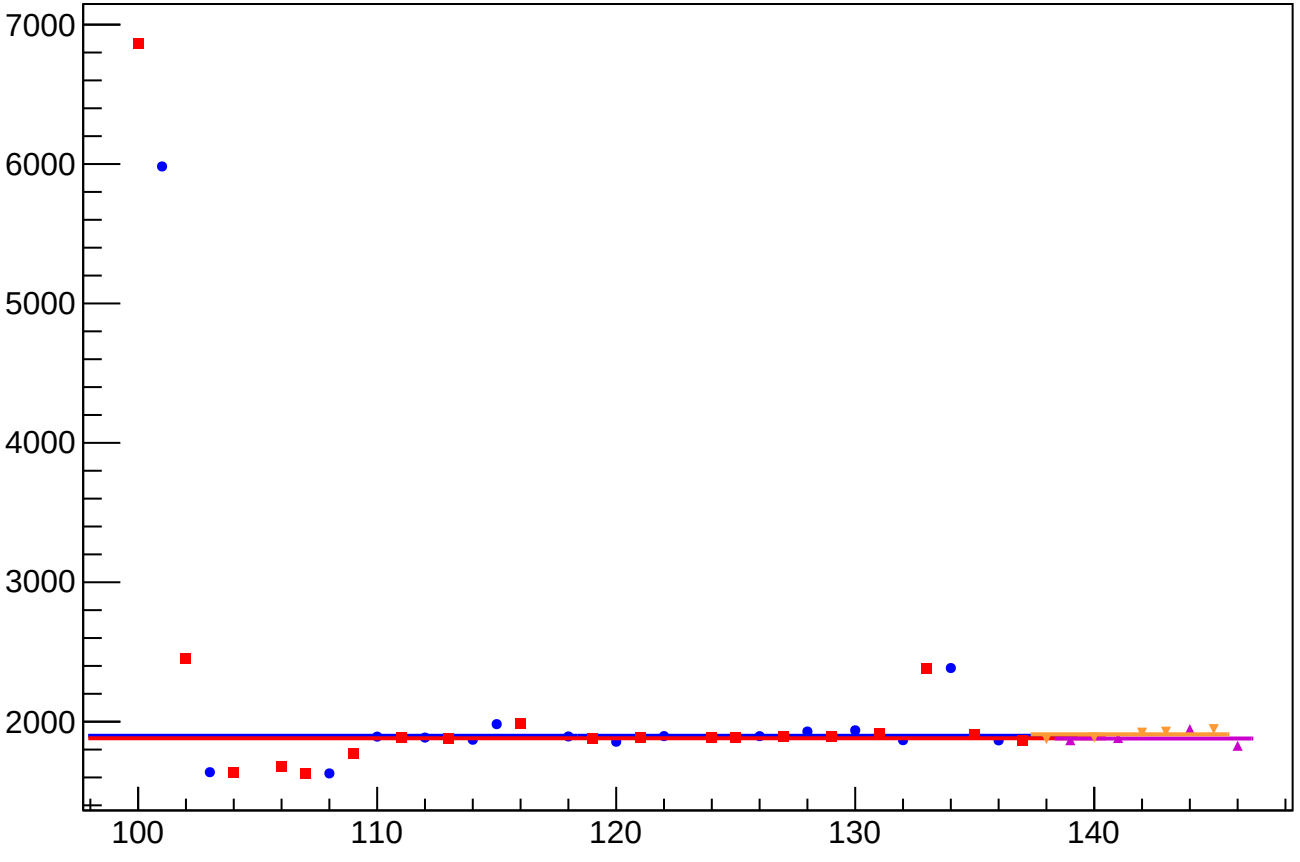
Left In: -947.131+/-999.935 χ^2/NDF:1.5/3

+ sign -511.725+/-584.704 χ^2/NDF: 24.5/20

All: -518.286+/-410.127 χ^2/NDF: 36.1/43

- sign -524.642+/-575.422 χ^2/NDF: 11.6/22

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1909.449+/-0.703 χ^2/NDF:1583.2/4

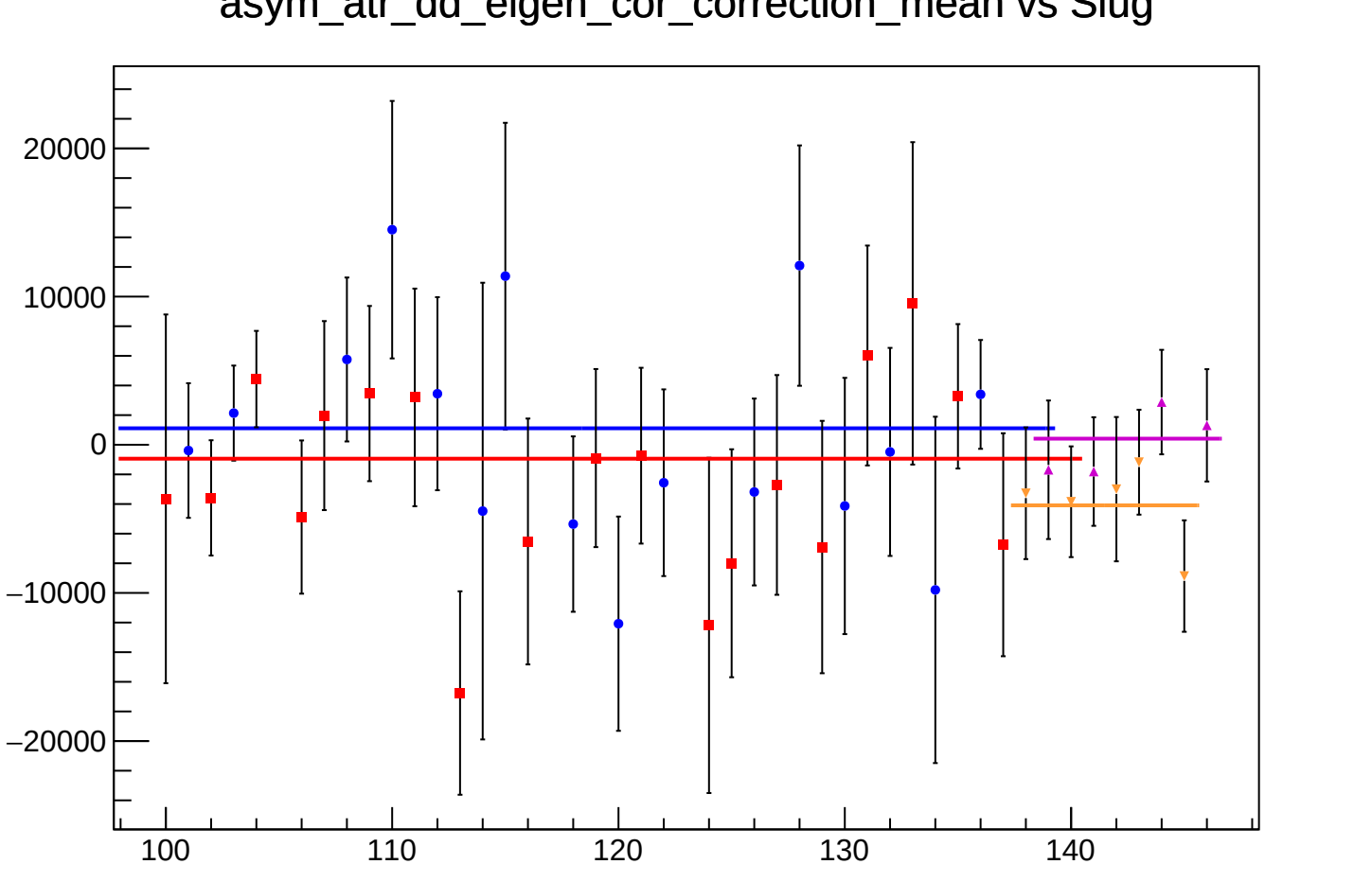
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

+ sign 1902.504+/-0.413 χ^2/NDF: 699247.0/20

All: 1891.289+/-0.290 χ^2/NDF: 920950.6/43

- sign 1880.450+/-0.406 χ^2/NDF: 220256.8/22



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -4090.209+/-1782.185 χ^2/NDF:2.4/4

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

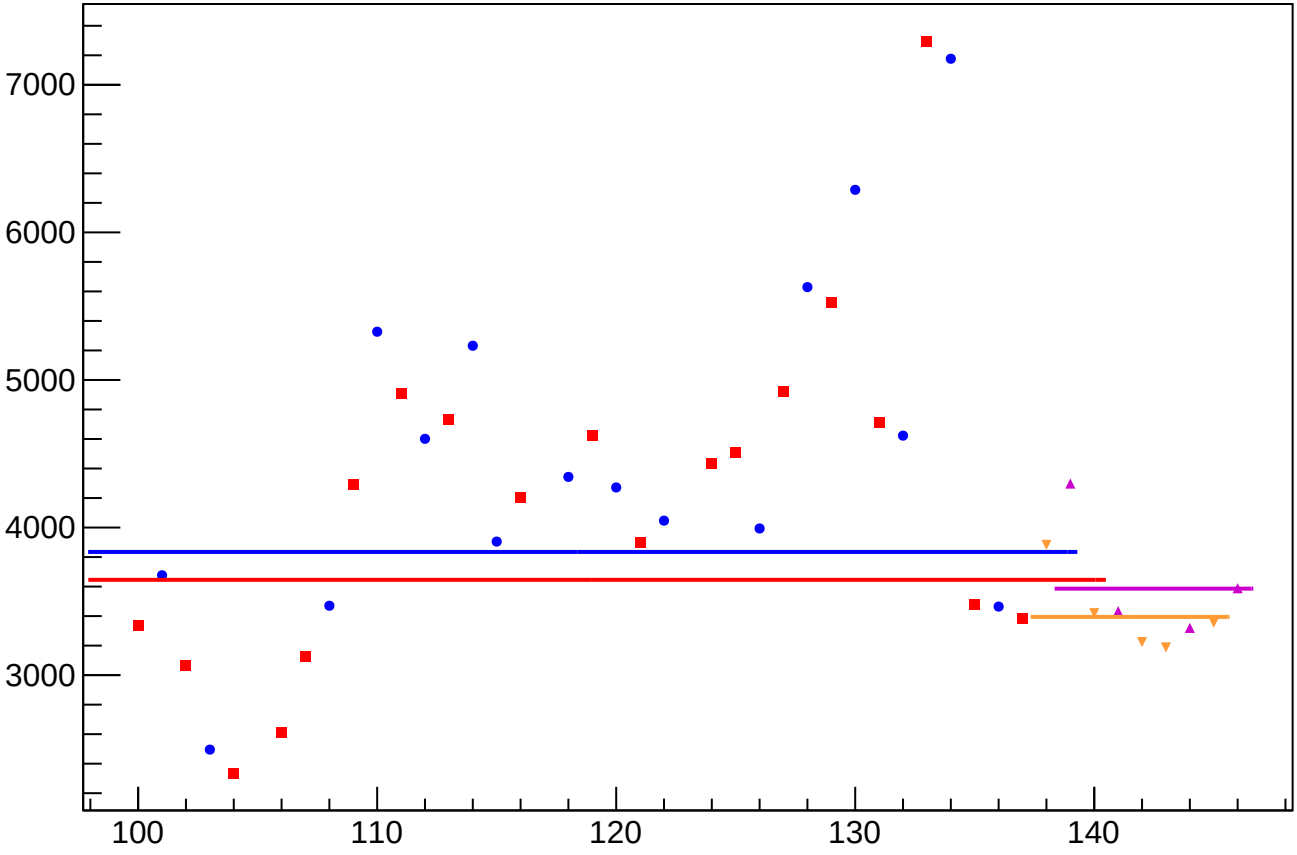
Left In: 411.370+/-1923.771 χ^2/NDF:1.1/3

+ sign -1010.632+/-1138.329 χ^2/NDF: 20.8/20

All: -740.193+/-802.476 χ^2/NDF: 38.5/43

- sign -473.014+/-1131.448 χ^2/NDF: 17.6/22

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3394.558+/-1.260 χ^2/NDF:33727.9/4

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

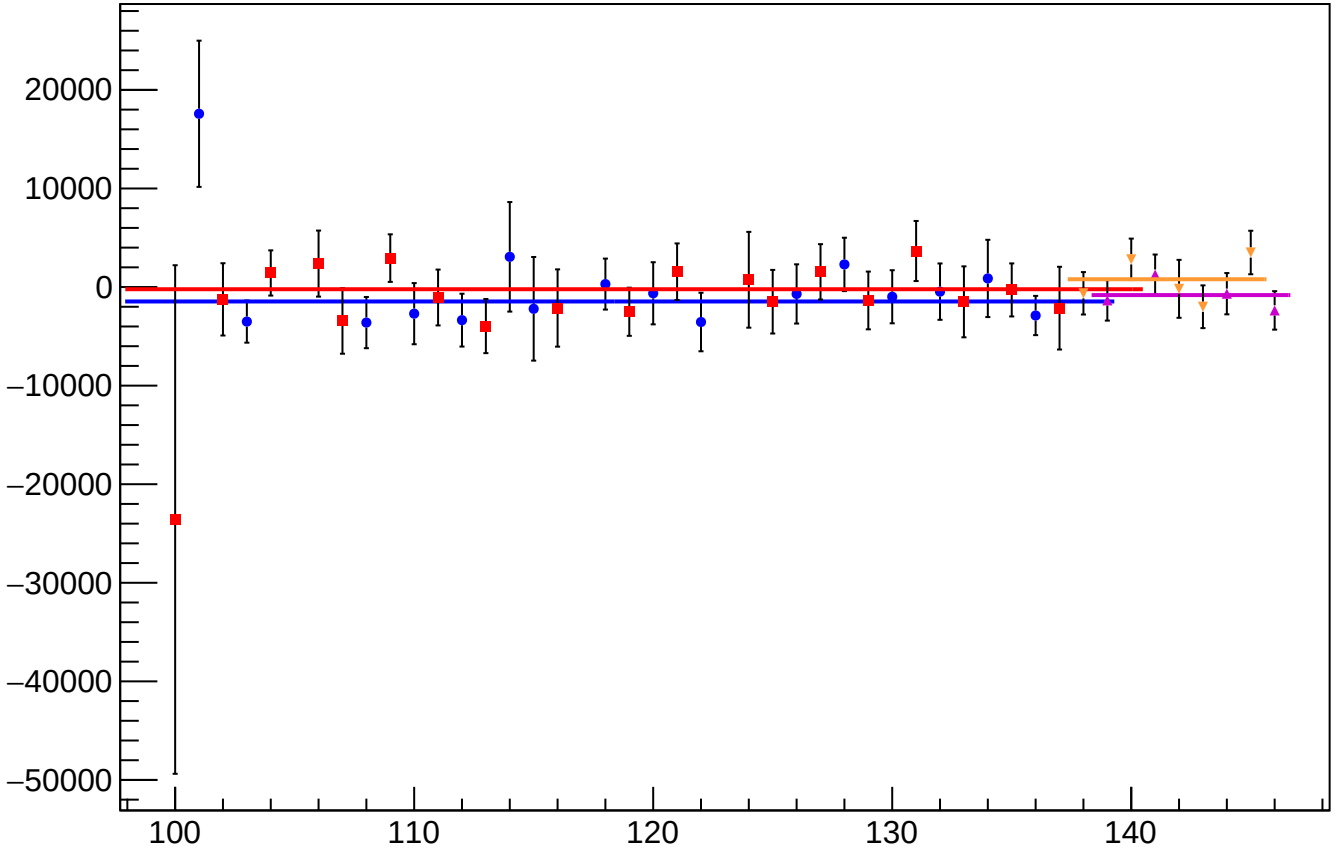
Left In: 3586.015+/-1.360 χ^2/NDF:61192.3/3

+ sign 3655.129+/-0.805 χ^2/NDF: 1062255.8/20

All: 3639.997+/-0.567 χ^2/NDF: 2250390.7/43

- sign 3625.047+/-0.800 χ^2/NDF: 1187432.4/22

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 792.285+/-1012.066 χ^2/NDF:4.6/4

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

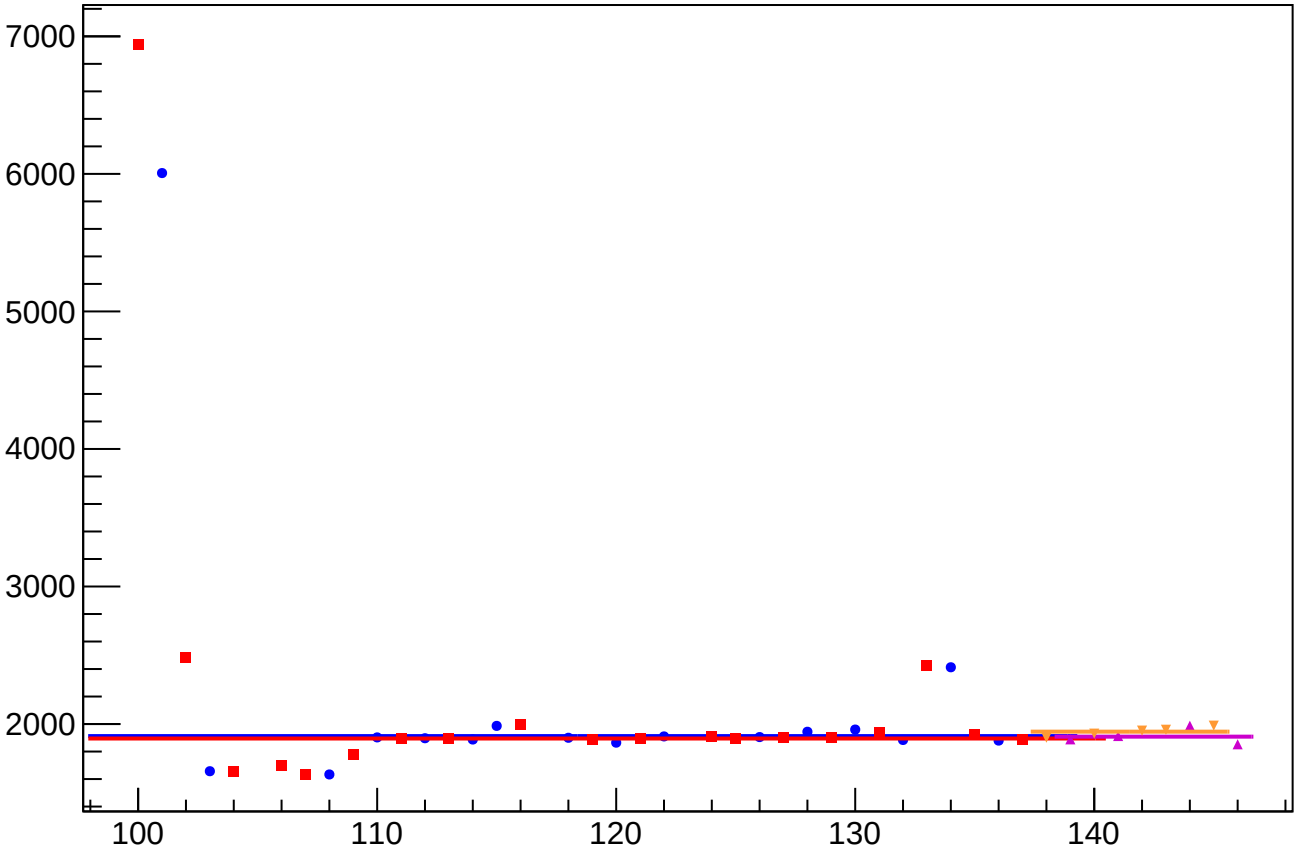
Left In: -814.308+/-1015.467 χ^2/NDF:1.8/3

+ sign -693.357+/-591.134 χ^2/NDF: 21.5/20

All: -551.592+/-414.454 χ^2/NDF: 34.4/43

- sign -414.530+/-581.245 χ^2/NDF: 12.8/22

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1944.620+/-0.716 χ^2/NDF:1808.1/4

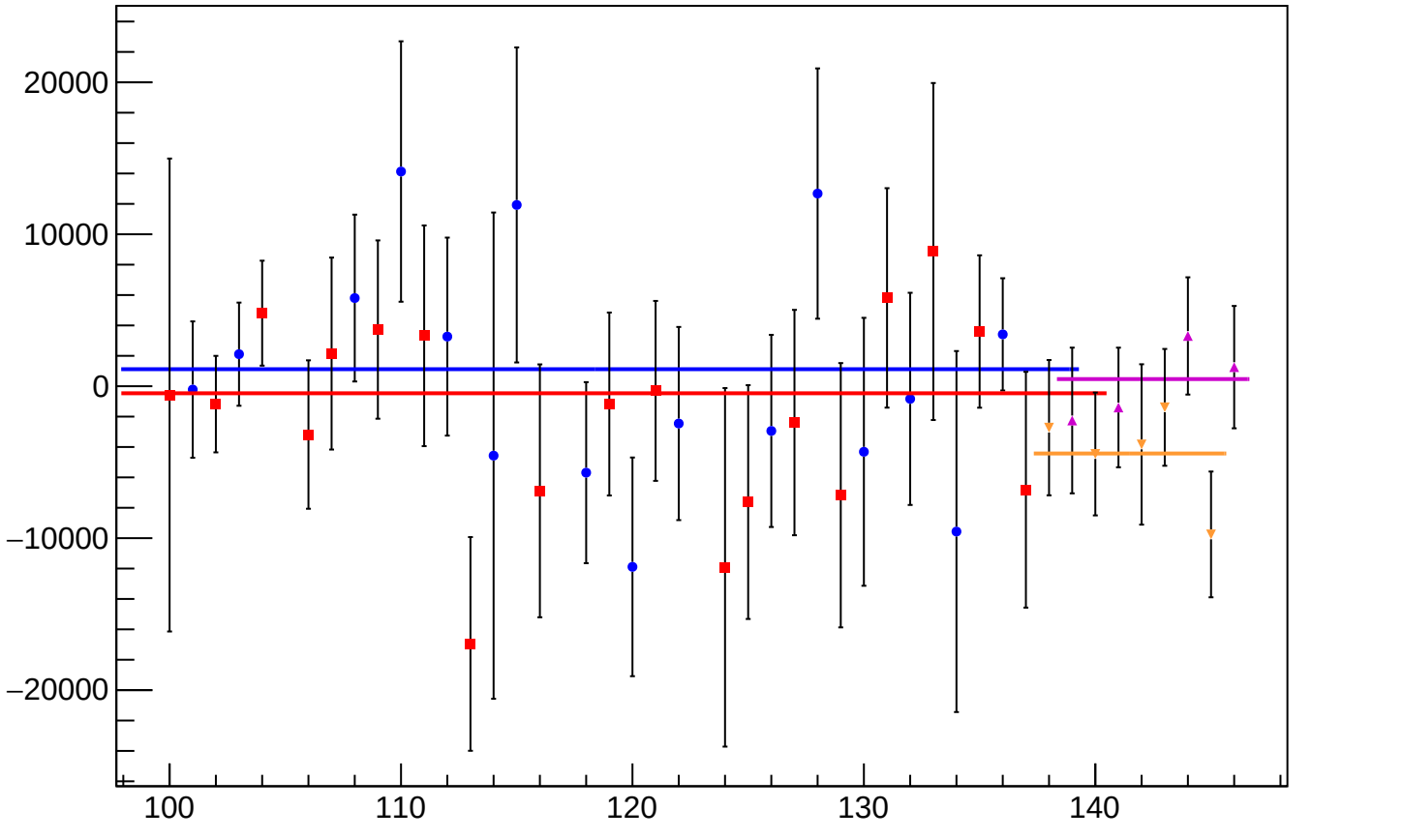
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1908.340+/-0.718 χ^2/NDF:4689.8/3

+ sign 1923.378+/-0.418 χ^2/NDF: 699365.7/20

All: 1911.080+/-0.293 χ^2/NDF: 925779.0/43

- sign 1899.206+/-0.411 χ^2/NDF: 224711.8/22



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -4428.063+/-1911.630 χ^2/NDF:2.4/4

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

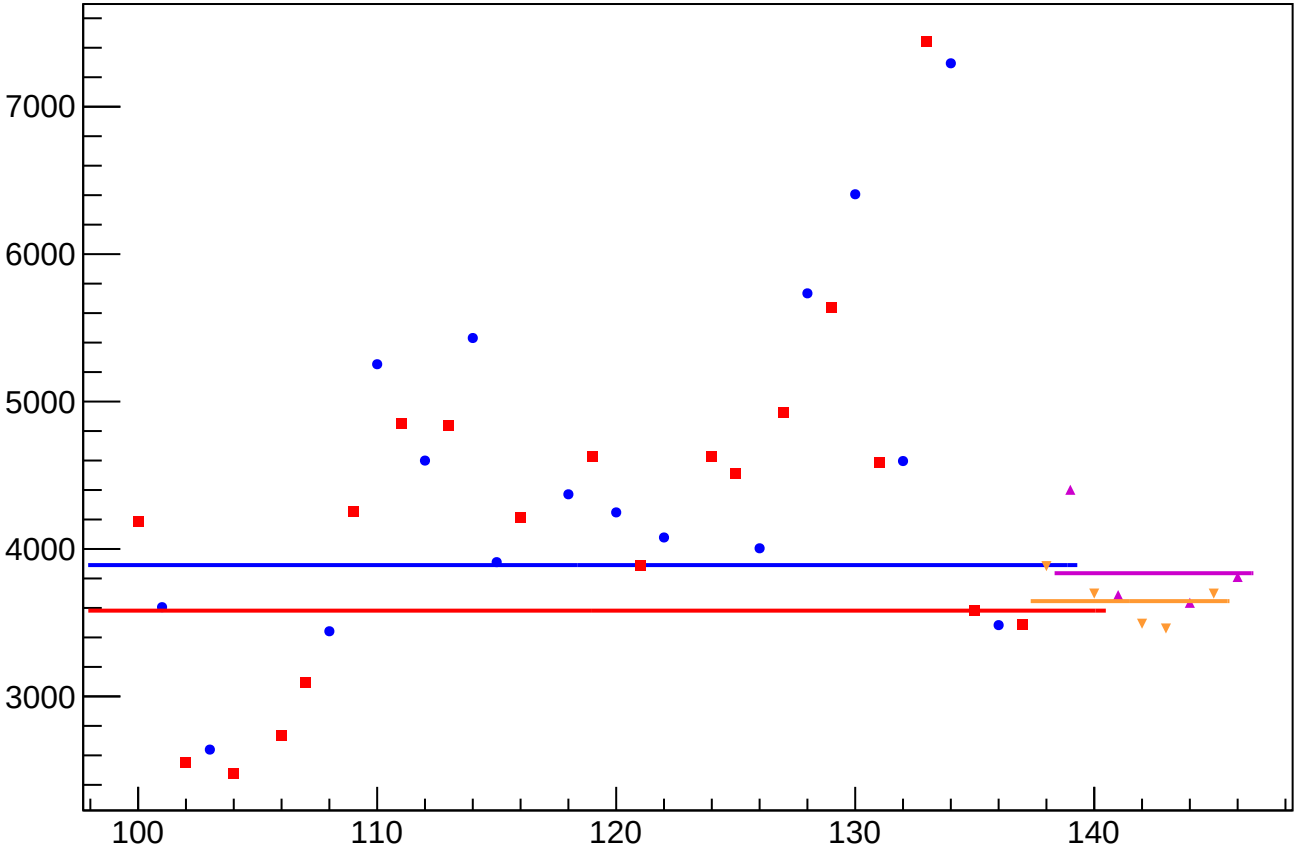
Left In: 469.489+/-2054.471 χ^2/NDF:1.1/3

+ sign -990.062+/-1178.940 χ^2/NDF: 21.1/20

All: -569.823+/-819.630 χ^2/NDF: 37.6/43

- sign -176.687+/-1140.290 χ^2/NDF: 16.3/22

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3646.280+/-1.352 χ^2/NDF:12664.1/4

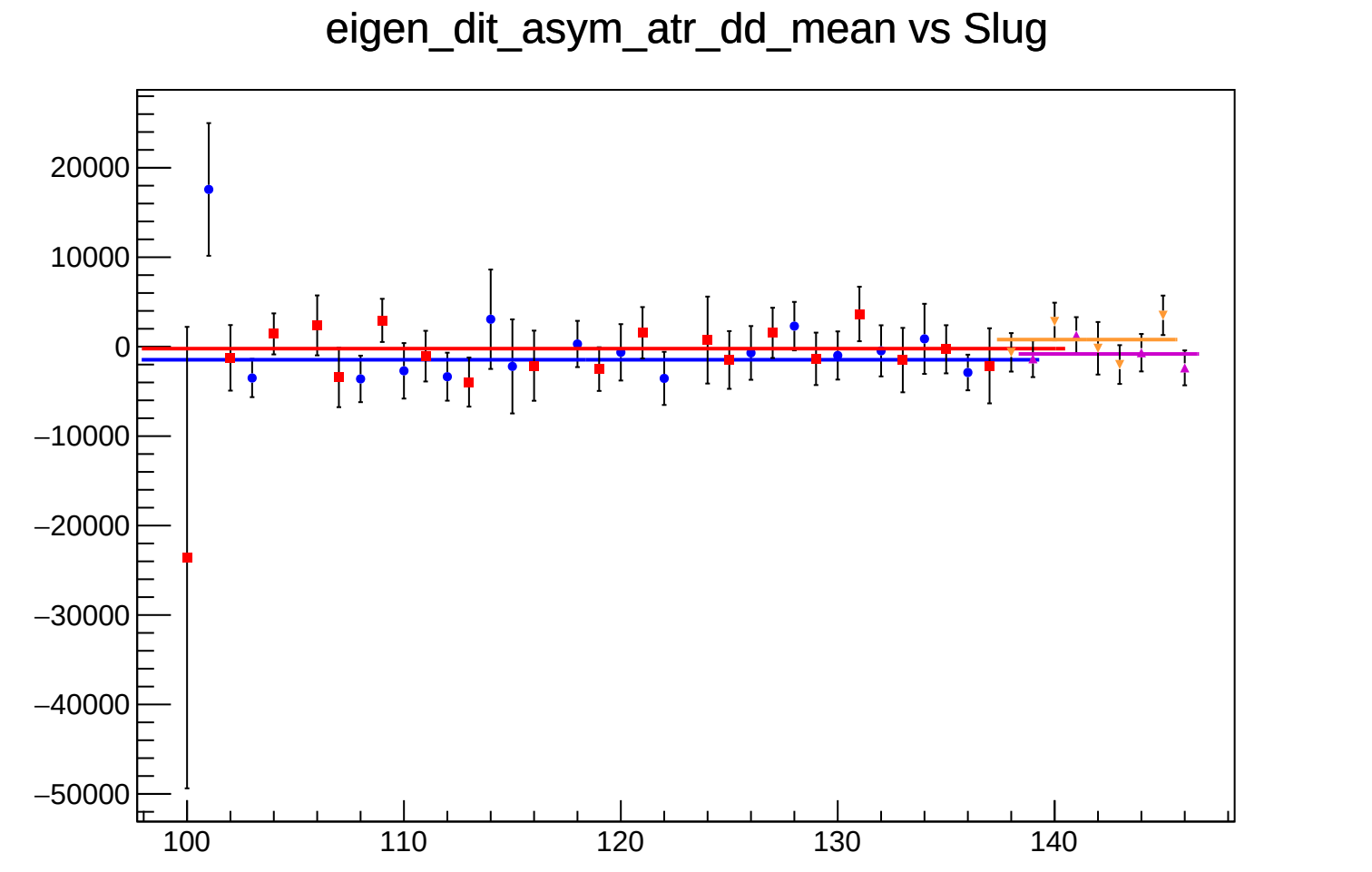
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3835.688+/-1.453 χ^2/NDF:36220.7/3

+ sign 3797.742+/-0.834 χ^2/NDF: 911343.9/20

All: 3726.575+/-0.580 χ^2/NDF: 2204662.9/43

- sign 3659.998+/-0.806 χ^2/NDF: 1279213.4/22



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 792.281+/-1012.066 χ^2/NDF:4.6/4

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

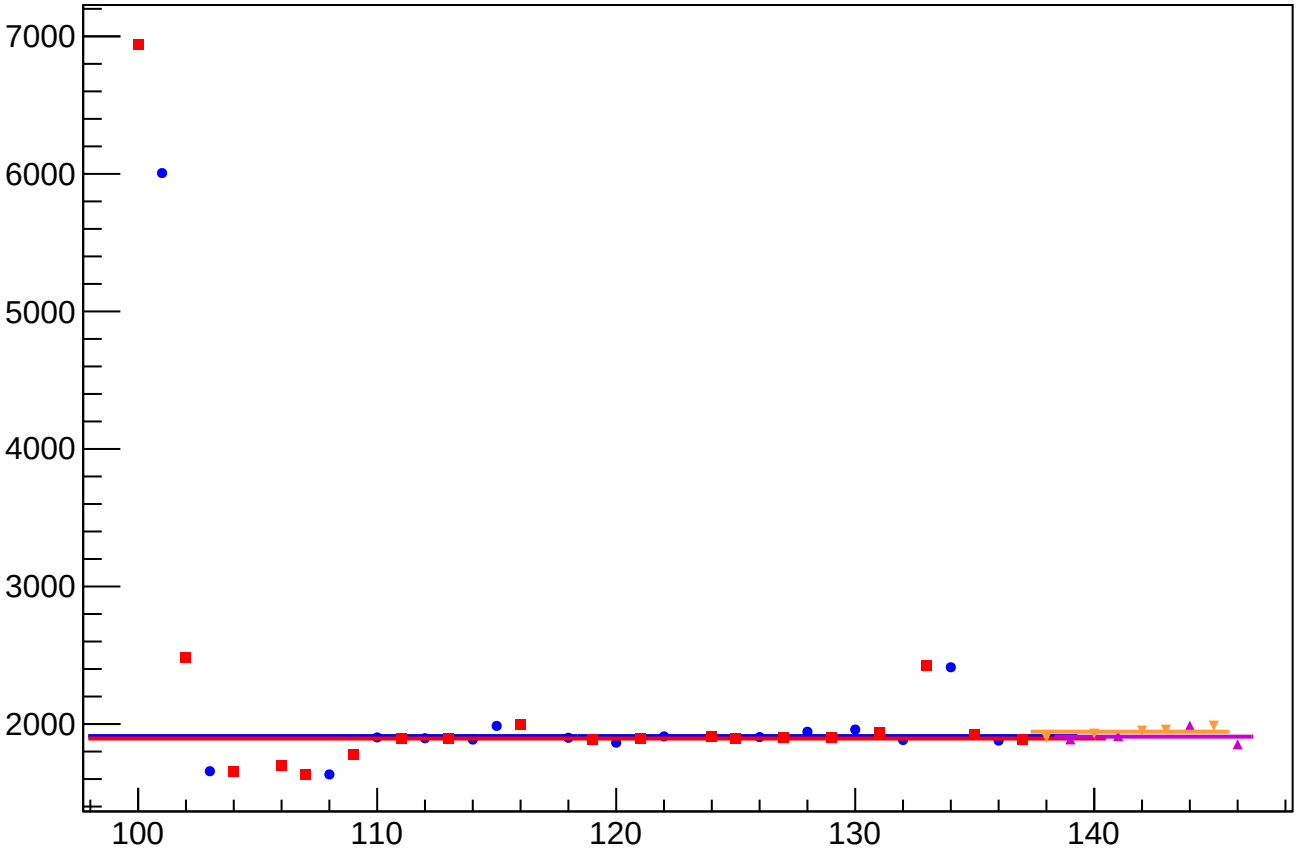
Left In: -814.315+/-1015.467 χ^2/NDF:1.8/3

+ sign -693.362+/-591.134 χ^2/NDF: 21.5/20

All: -551.593+/-414.454 χ^2/NDF: 34.4/43

- sign -414.528+/-581.245 χ^2/NDF: 12.8/22

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1944.621+/-0.716 χ^2/NDF:1808.2/4

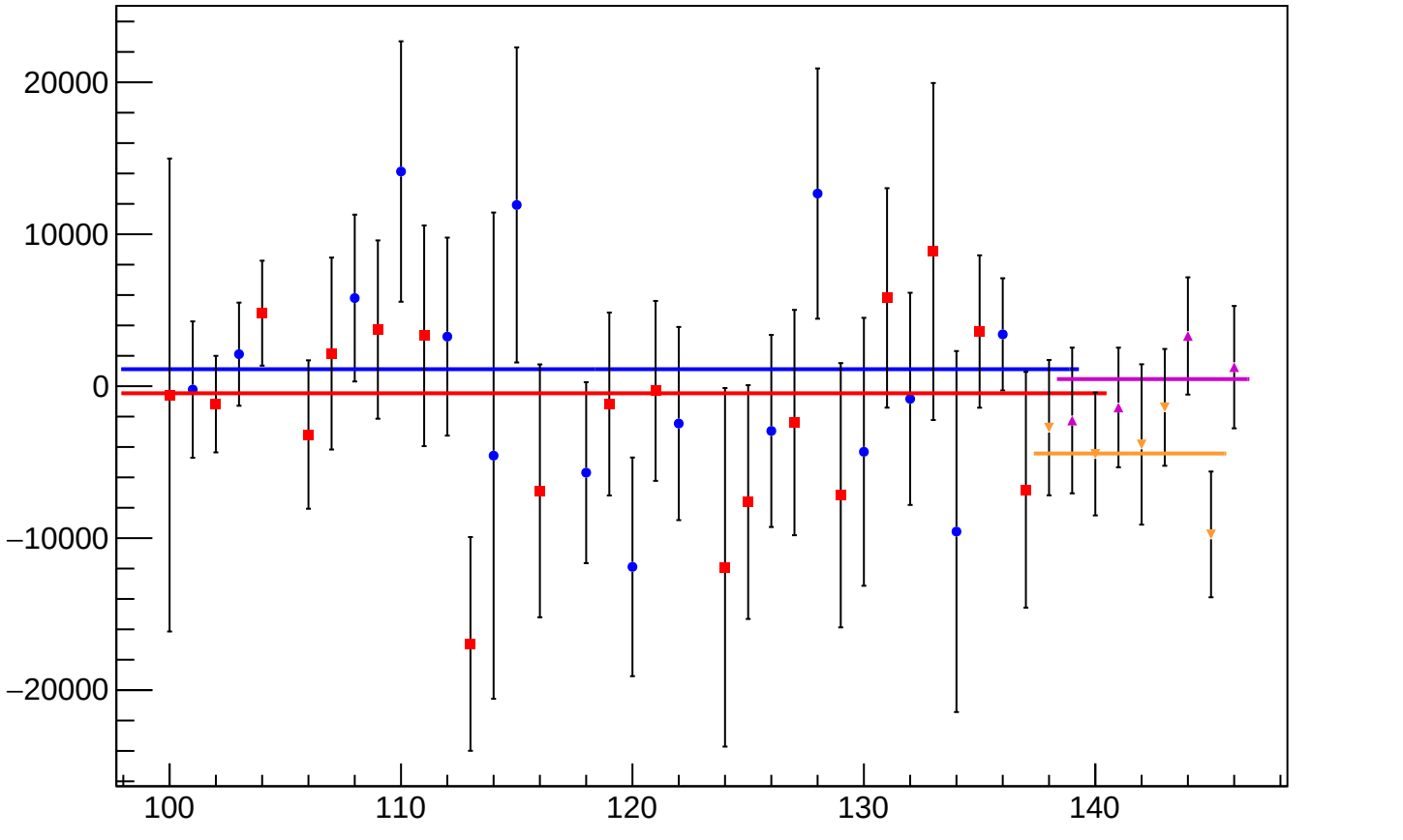
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1908.340+/-0.718 χ^2/NDF:4689.8/3

+ sign 1923.378+/-0.418 χ^2/NDF: 699365.7/20

All: 1911.080+/-0.293 χ^2/NDF: 925778.9/43

- sign 1899.206+/-0.411 χ^2/NDF: 224711.7/22



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -4428.069+/-1911.632 χ^2/NDF:2.4/4

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

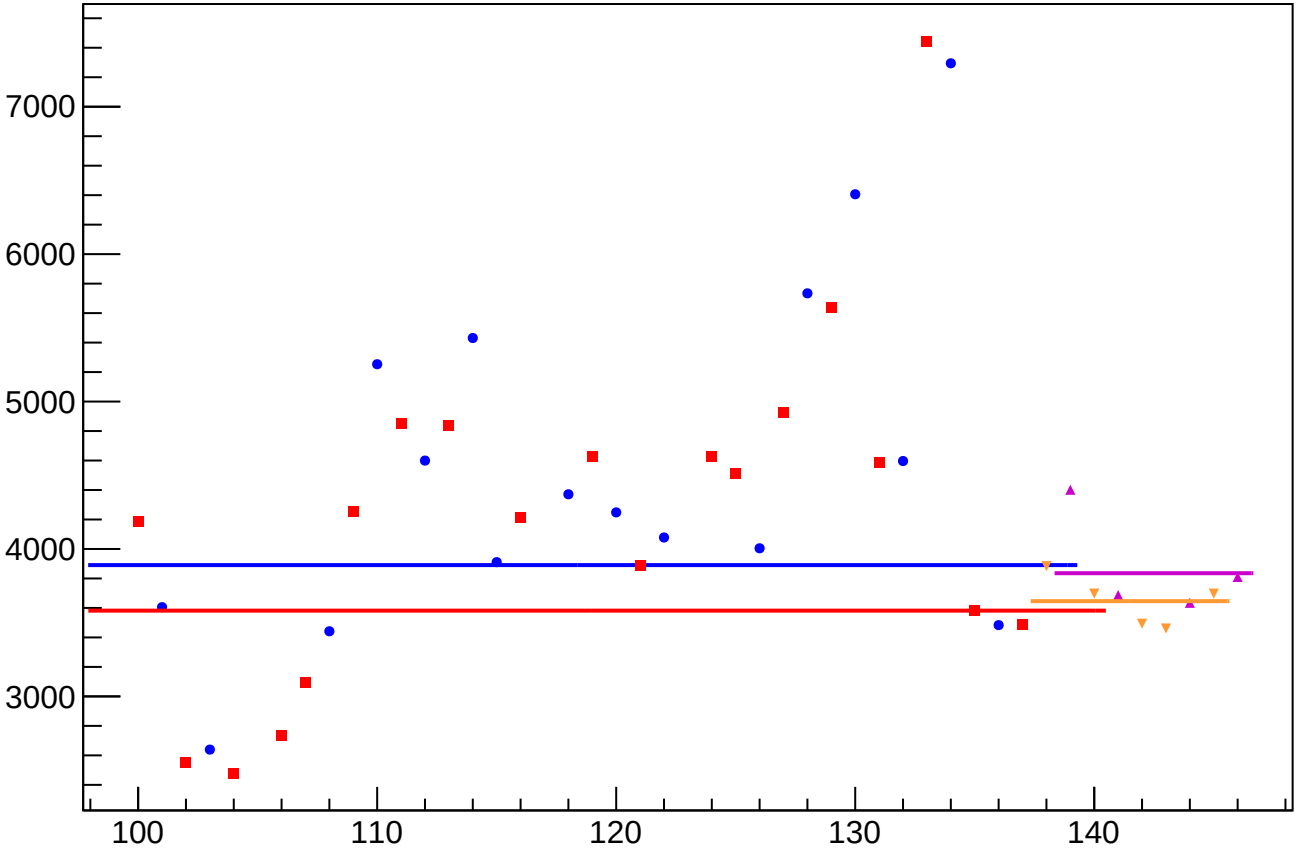
Left In: 469.481+/-2054.473 χ^2/NDF:1.1/3

\+ sign -990.067+/-1178.940 χ^2/NDF: 21.1/20

All: -569.827+/-819.630 χ^2/NDF: 37.6/43

\- sign -176.690+/-1140.289 χ^2/NDF: 16.3/22

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3646.285+/-1.352 χ^2/NDF:12664.1/4

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

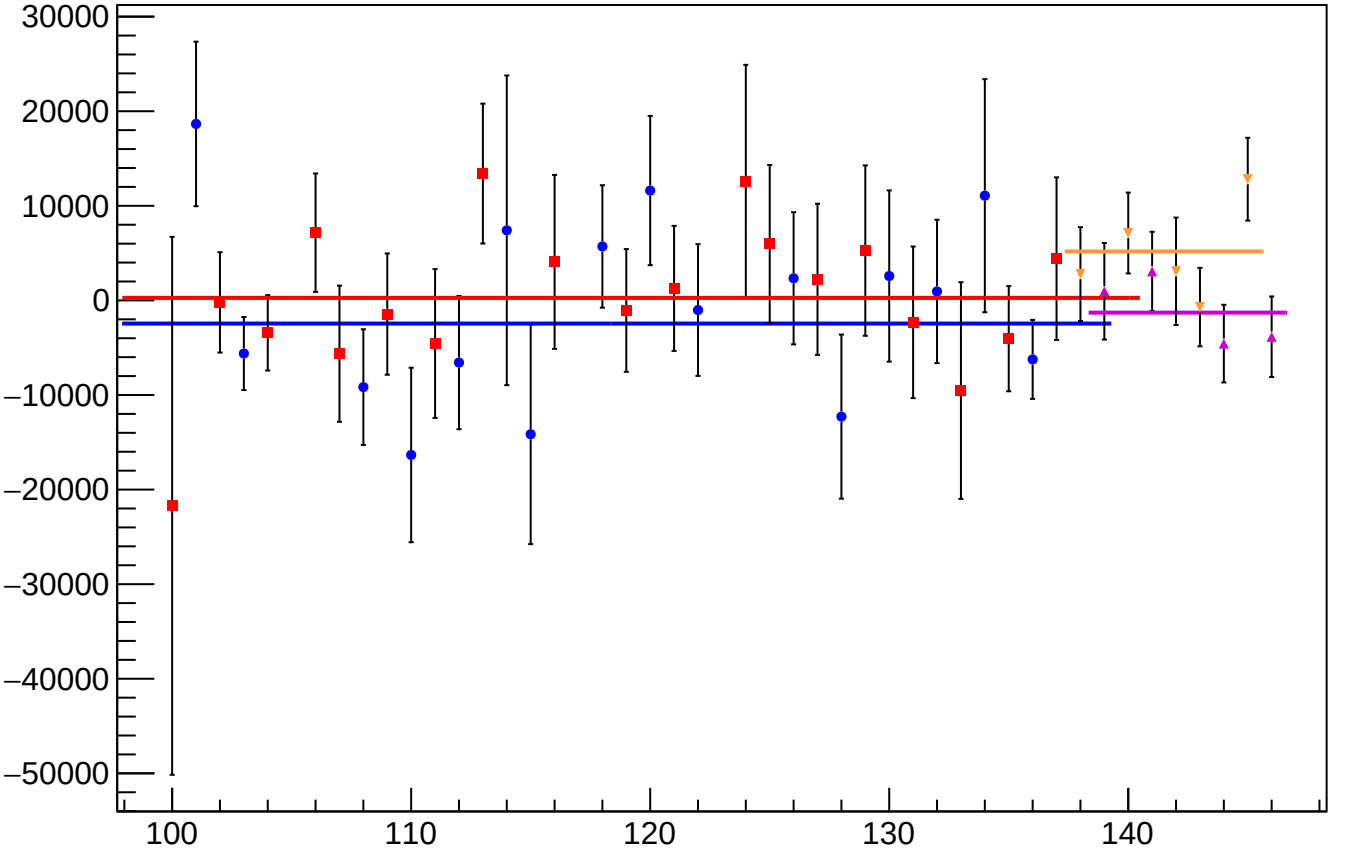
Left In: 3835.691+/-1.453 χ^2/NDF:36221.6/3

+ sign 3797.742+/-0.834 χ^2/NDF: 911333.7/20

All: 3726.574+/-0.580 χ^2/NDF: 2204646.4/43

- sign 3659.997+/-0.806 χ^2/NDF: 1279206.7/22

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 5176.282+/-2055.475 χ^2/NDF:5.6/4

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

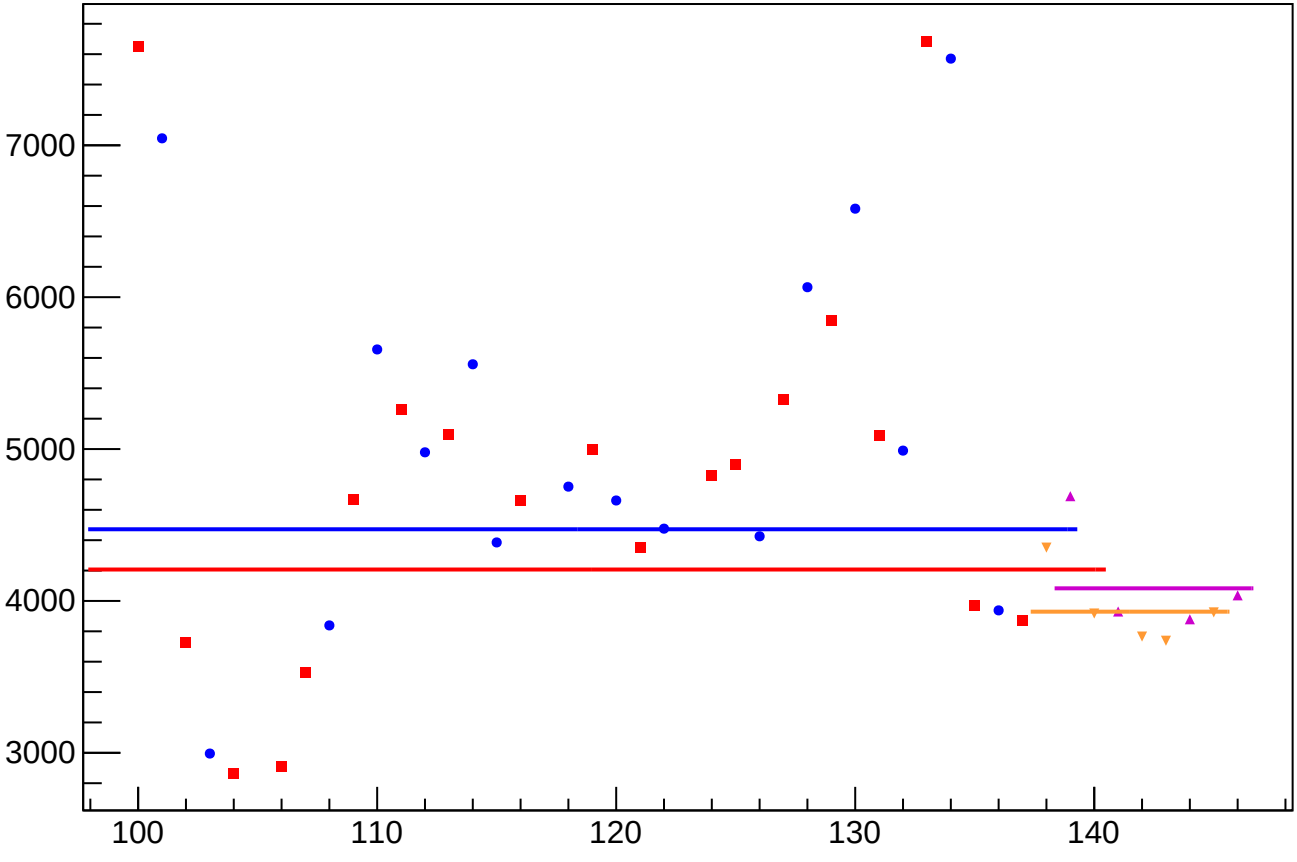
Left In: -1290.932+/-2182.706 χ^2/NDF:2.3/3

+ sign 691.171+/-1318.958 χ^2/NDF: 34.6/20

All: 195.209+/-926.658 χ^2/NDF: 48.2/43

- sign -288.222+/-1302.187 χ^2/NDF: 13.3/22

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3929.402+/-1.453 χ^2/NDF:20401.5/4

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

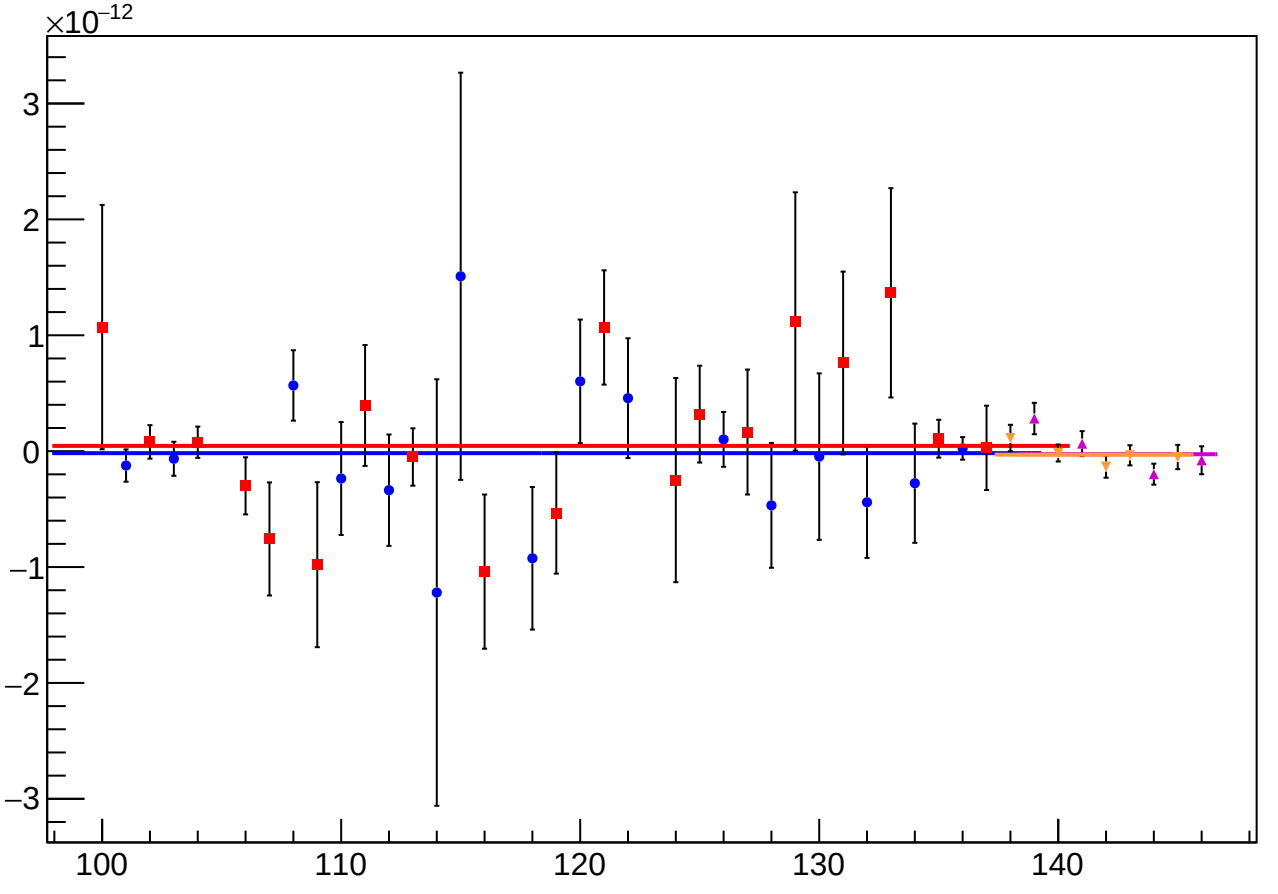
Left In: 4083.030+/-1.543 χ^2/NDF:36110.9/3

+ sign 4248.527+/-0.933 χ^2/NDF: 994033.5/20

All: 4205.133+/-0.653 χ^2/NDF: 1885095.8/43

- sign 4163.280+/-0.916 χ^2/NDF: 886809.4/22

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:2.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

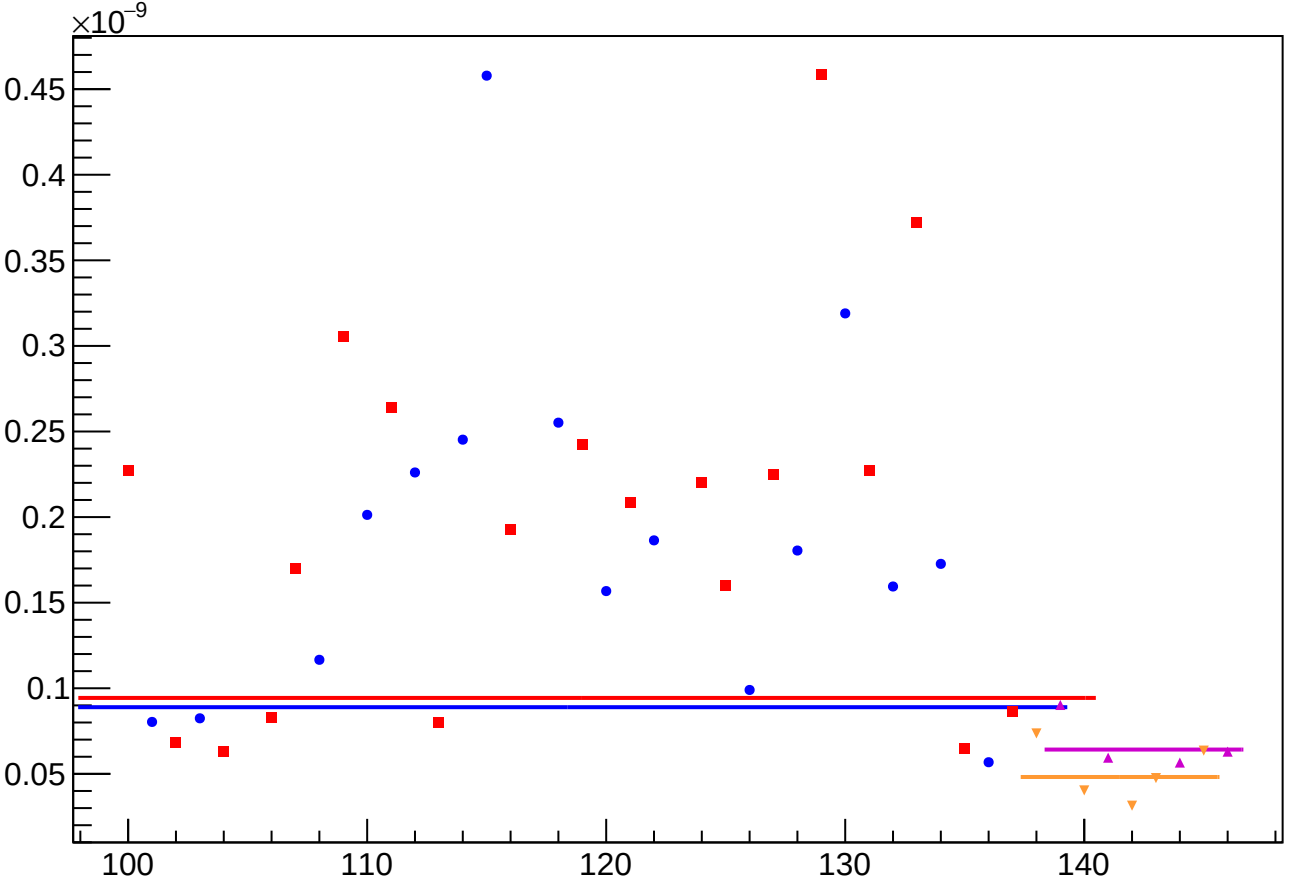
Left In: -0.000+/-0.000 χ^2/NDF:9.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 15.6/20

All: -0.000+/-0.000 χ^2/NDF: 47.4/43

- sign 0.000+/-0.000 χ^2/NDF: 31.6/22

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:226091.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

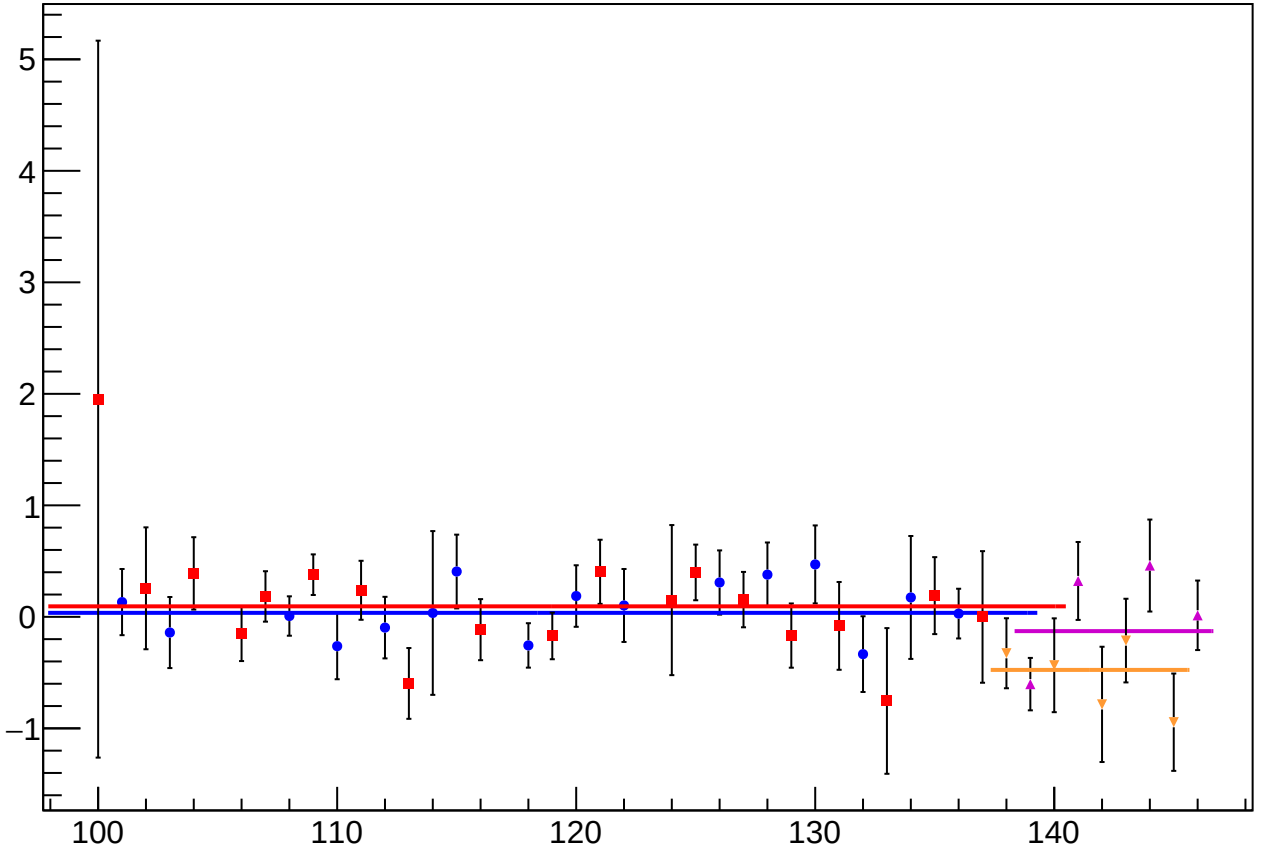
Left In: 0.000+/-0.000 χ^2/NDF:92222.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2065344.6/20

All: 0.000+/-0.000 χ^2/NDF: 4247695.3/43

- sign 0.000+/-0.000 χ^2/NDF: 2025196.3/22

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.476+/-0.177 χ^2/NDF:2.2/4

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

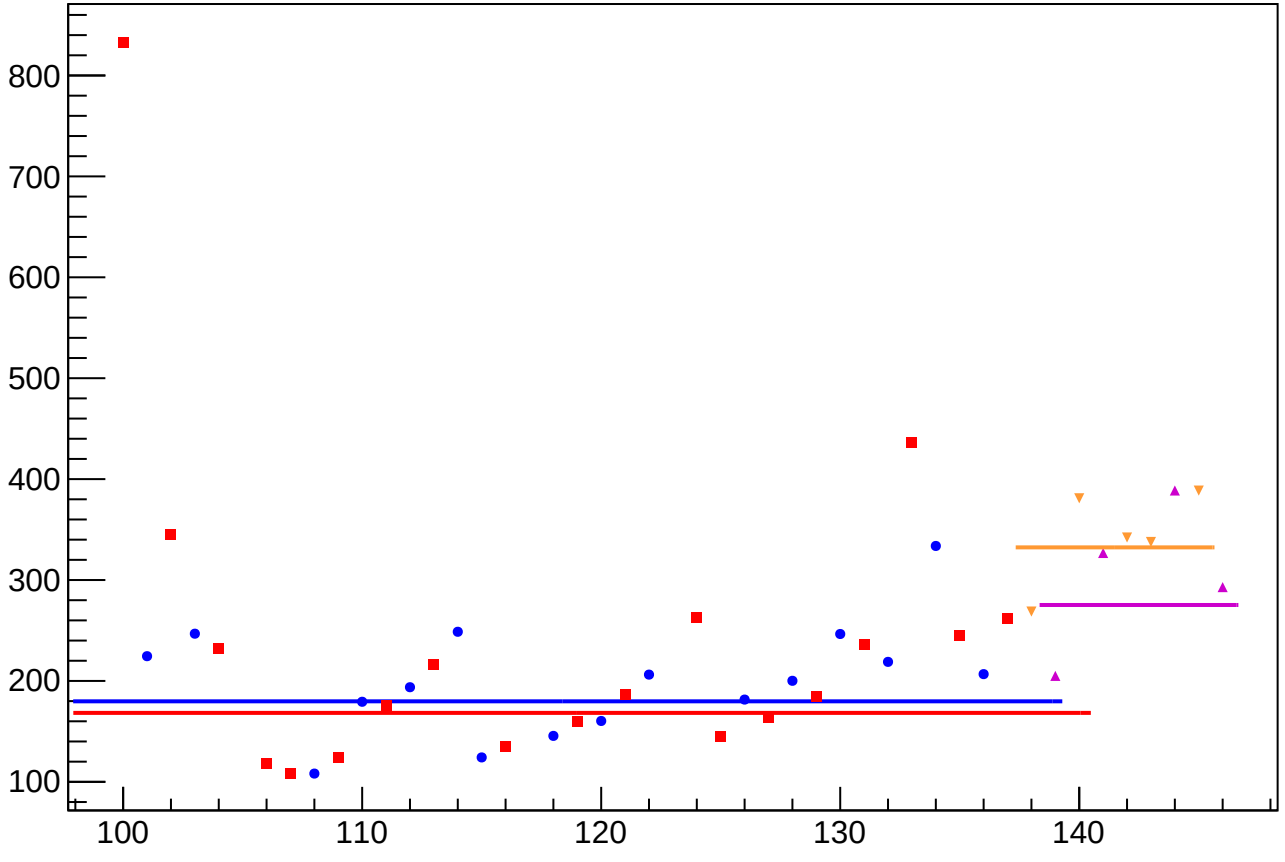
Left In: -0.128+/-0.153 χ^2/NDF:8.0/3

+ sign -0.034+/-0.066 χ^2/NDF: 20.0/20

All: 0.015+/-0.045 χ^2/NDF: 48.4/43

- sign 0.058+/-0.062 χ^2/NDF: 27.4/22

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 332.358+/-0.125 χ^2/NDF:143135.3/4

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

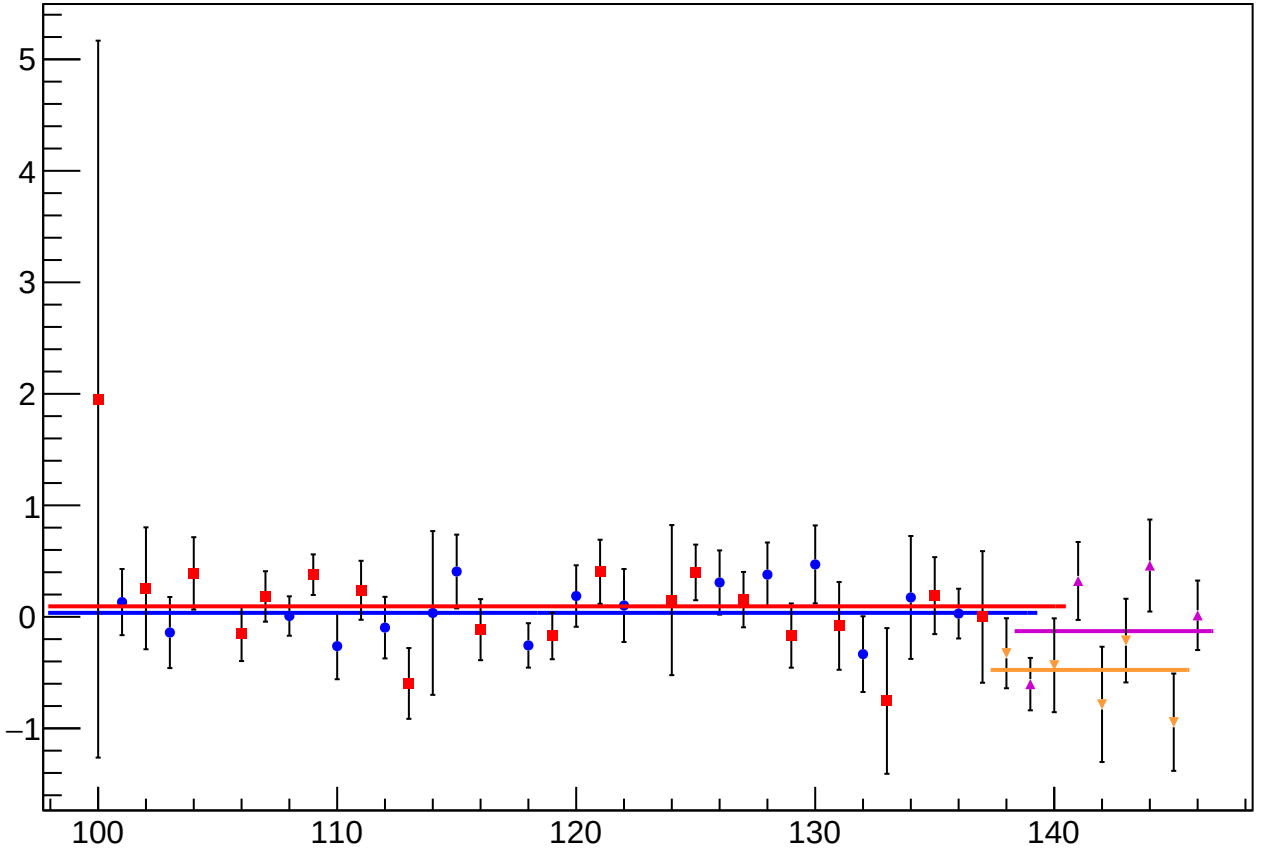
Left In: 275.264+/-0.109 χ^2/NDF:379933.9/3

+ sign 200.709+/-0.046 χ^2/NDF: 2342675.2/20

All: 192.785+/-0.032 χ^2/NDF: 5000190.3/43

- sign 185.724+/-0.044 χ^2/NDF: 2602268.2/22

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: -0.476+/-0.177 χ^2/NDF:2.2/4

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

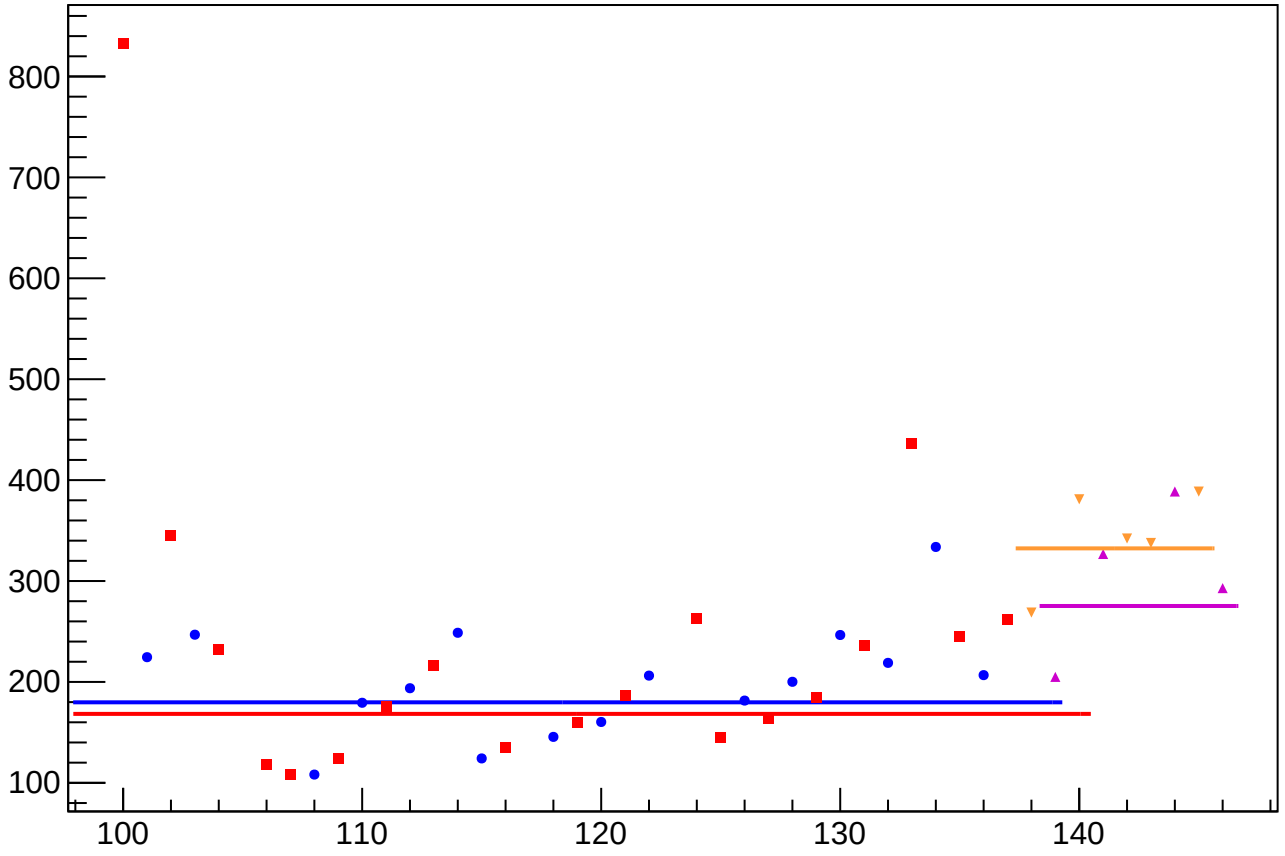
Left In: -0.128+/-0.153 χ^2/NDF:8.0/3

+ sign -0.034+/-0.066 χ^2/NDF: 20.0/20

All: 0.015+/-0.045 χ^2/NDF: 48.4/43

- sign 0.058+/-0.062 χ^2/NDF: 27.4/22

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: 332.358+/-0.125 χ^2/NDF:143135.3/4

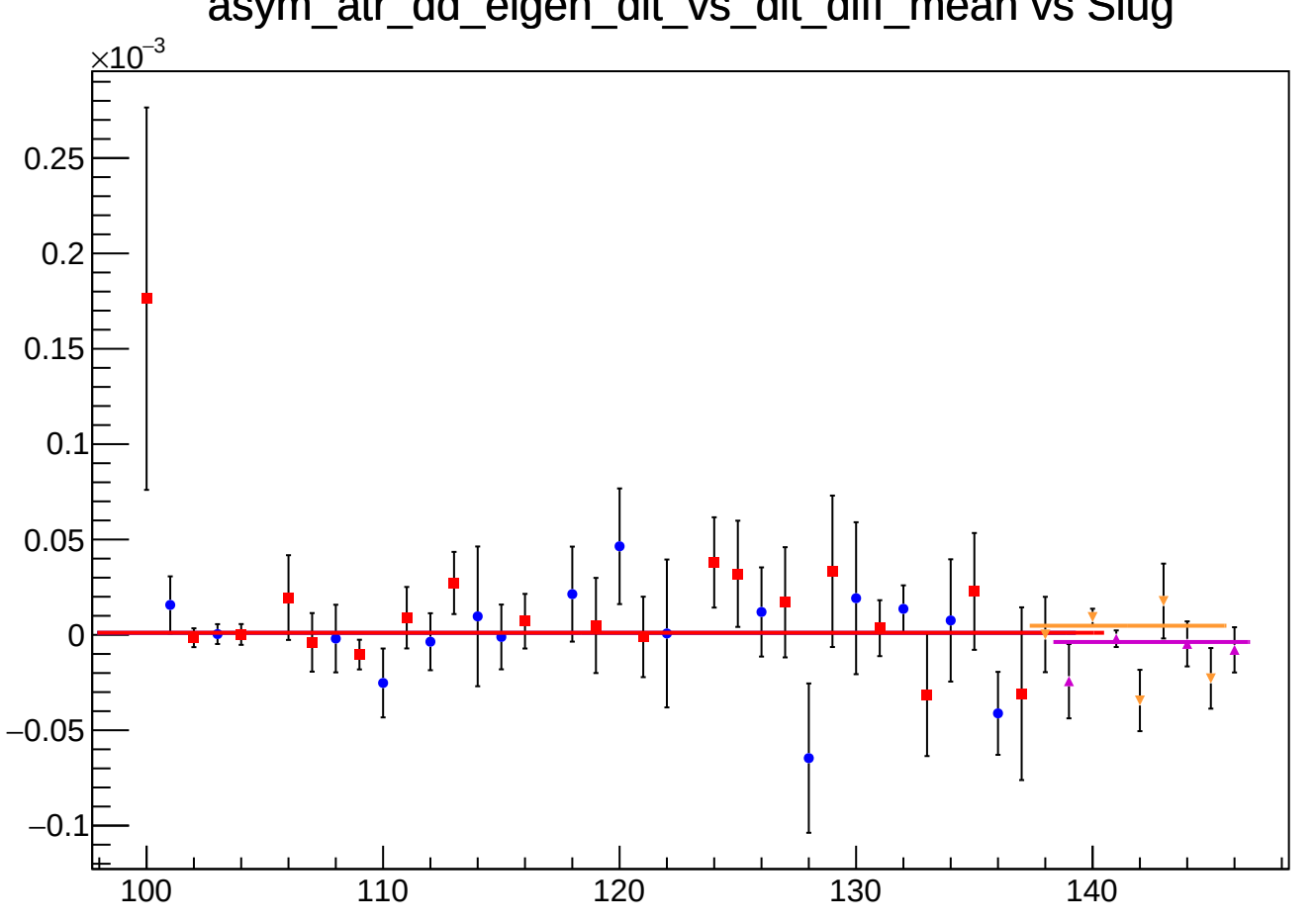
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.264+/-0.109 χ^2/NDF:379933.9/3

+ sign 200.709+/-0.046 χ^2/NDF: 2342675.2/20

All: 192.785+/-0.032 χ^2/NDF: 5000190.3/43

- sign 185.724+/-0.044 χ^2/NDF: 2602268.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/4

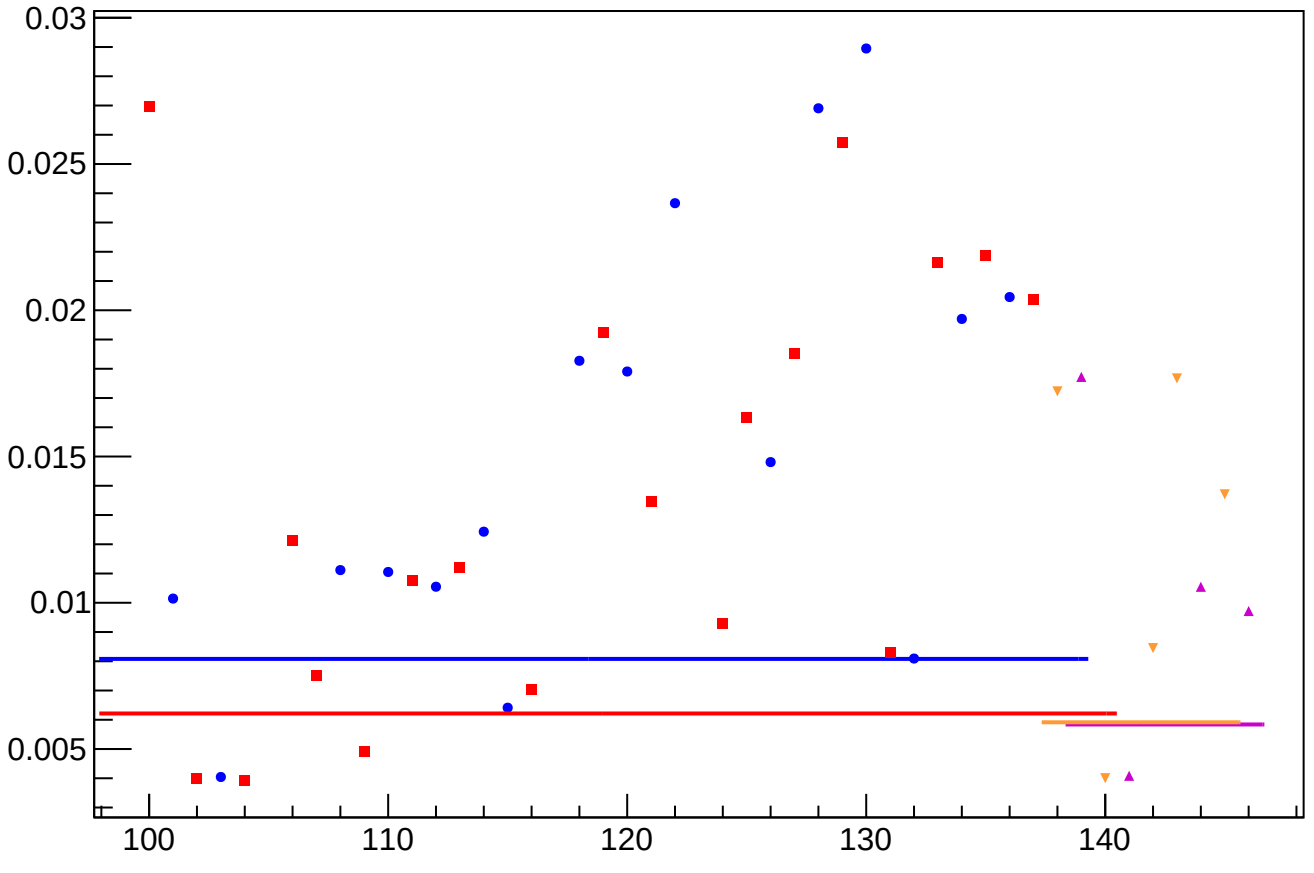
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.3/20

All: 0.000+/-0.000 χ^2/NDF: 44.7/43

- sign -0.000+/-0.000 χ^2/NDF: 18.4/22



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:2287872.2/4

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

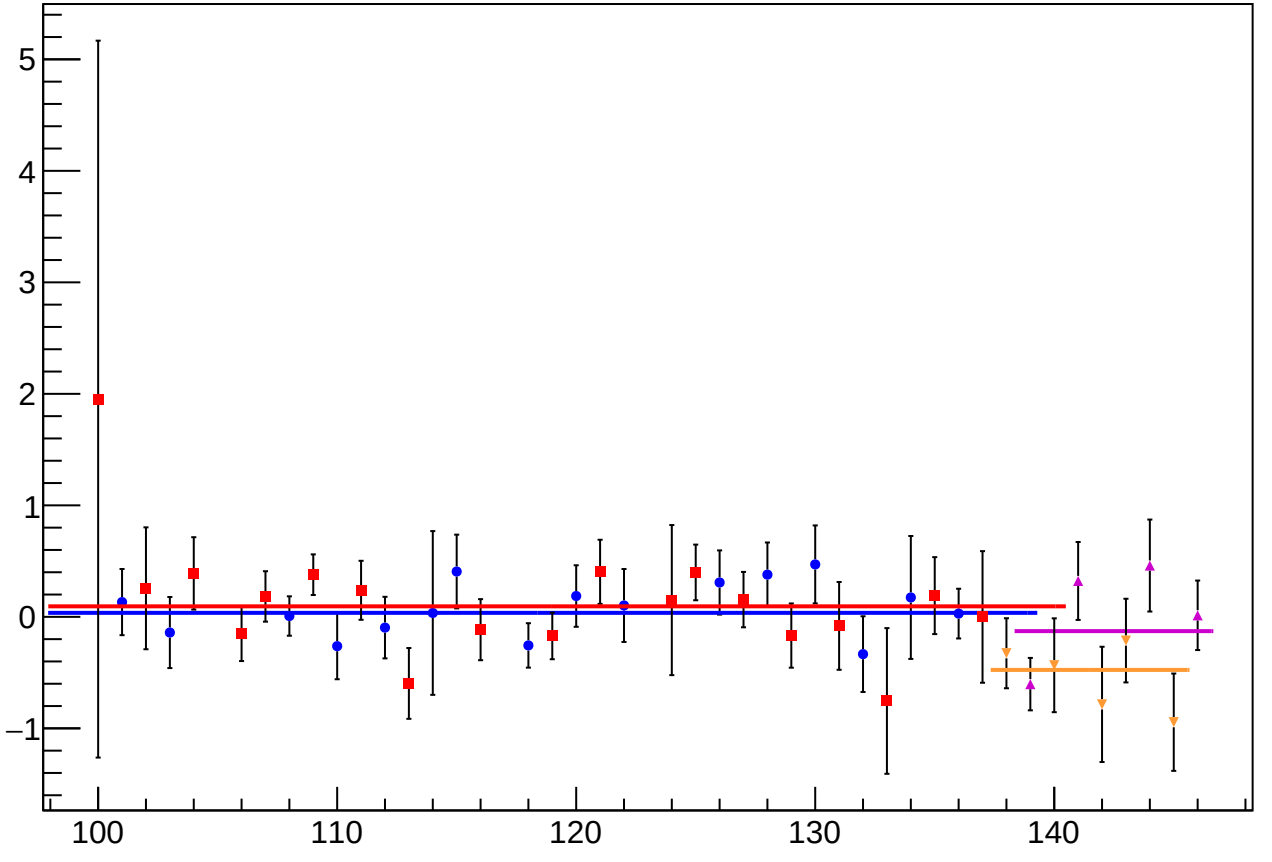
Left In: 0.006+/-0.000 χ^2/NDF:1601554.9/3

+ sign 0.007+/-0.000 χ^2/NDF: 7024335.7/20

All: 0.006+/-0.000 χ^2/NDF: 13352546.1/43

- sign 0.006+/-0.000 χ^2/NDF: 6175224.2/22

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: -0.476+/-0.177 χ^2/NDF:2.2/4

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

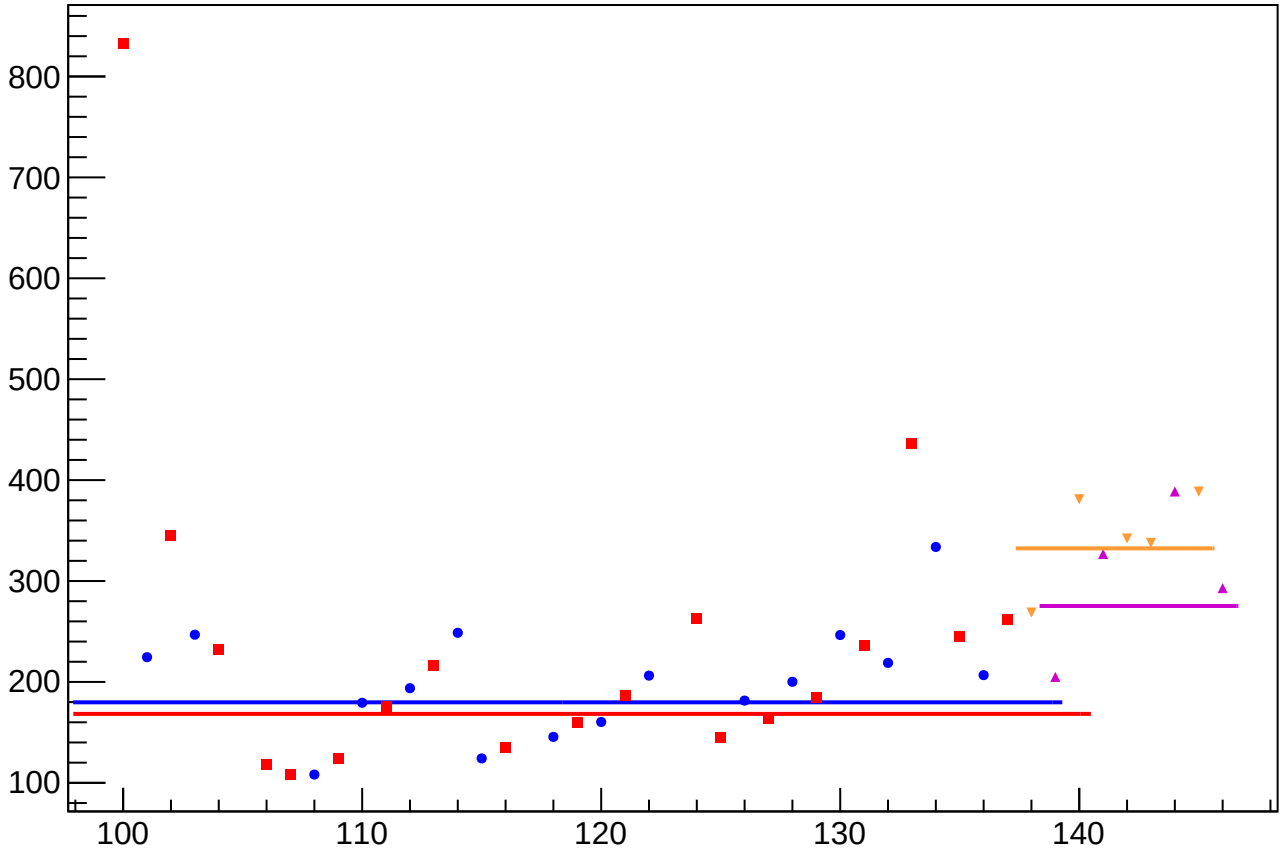
Left In: -0.128+/-0.153 χ^2/NDF:8.0/3

+ sign -0.034+/-0.066 χ^2/NDF: 20.0/20

All: 0.015+/-0.045 χ^2/NDF: 48.4/43

- sign 0.058+/-0.062 χ^2/NDF: 27.4/22

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: 332.362+/-0.125 χ^2/NDF:143124.7/4

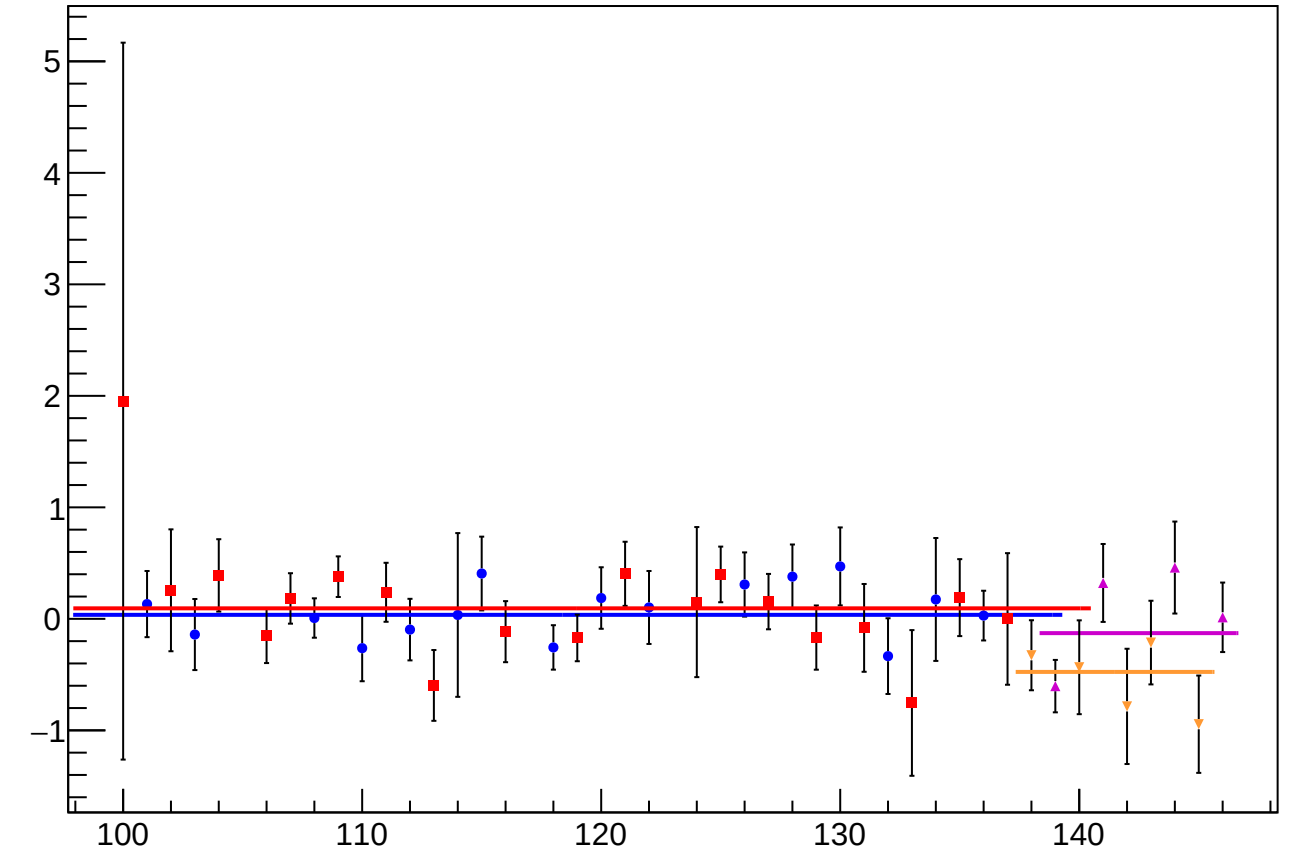
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.268+/-0.109 χ^2/NDF:379915.9/3

+ sign 200.707+/-0.046 χ^2/NDF: 2342805.7/20

All: 192.784+/-0.032 χ^2/NDF: 5000325.3/43

- sign 185.725+/-0.044 χ^2/NDF: 2602291.4/22



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.476+/-0.177 χ^2/NDF:2.2/4

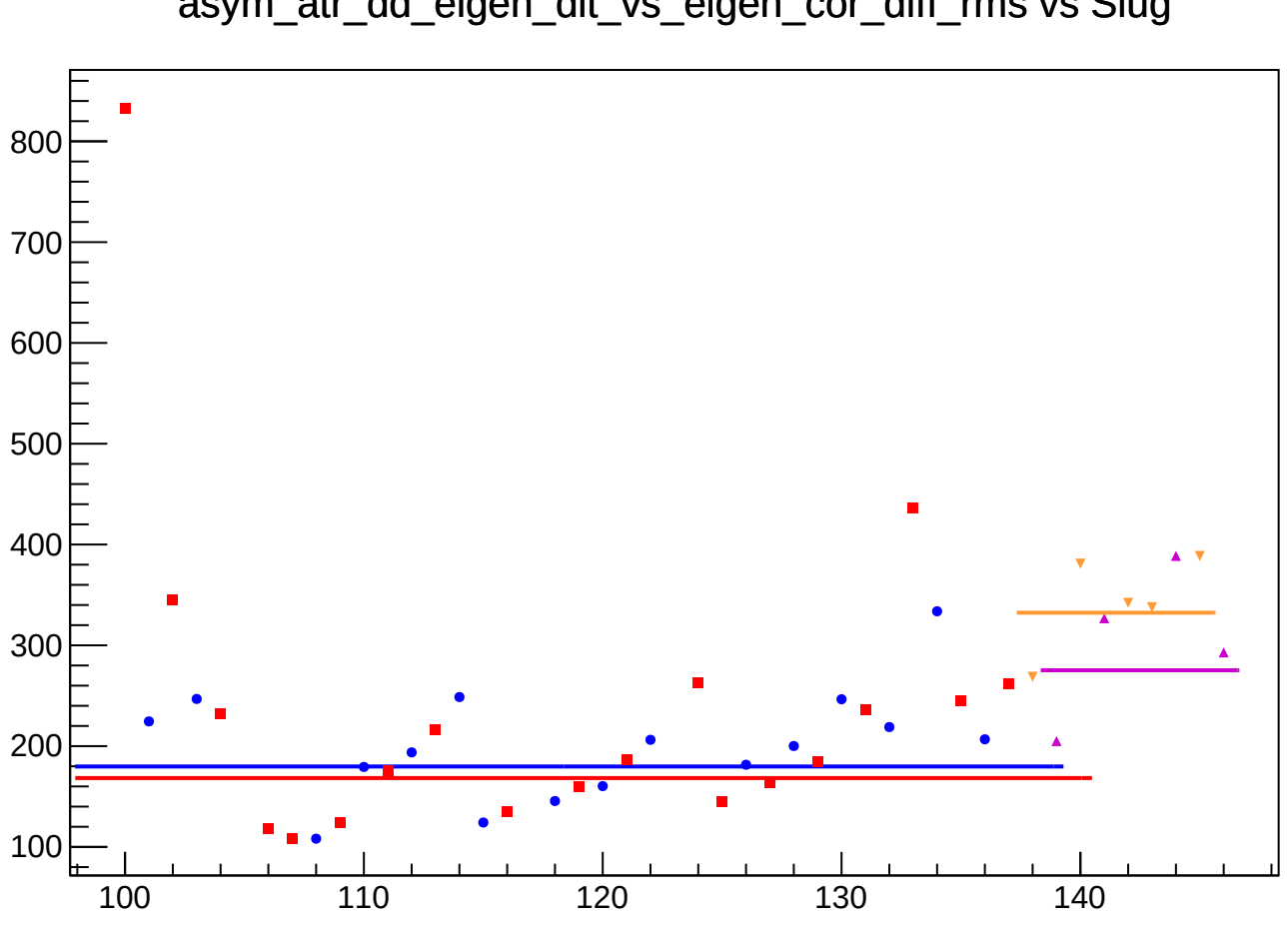
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.128+/-0.153 χ^2/NDF:8.0/3

+ sign -0.034+/-0.066 χ^2/NDF: 20.0/20

All: 0.015+/-0.045 χ^2/NDF: 48.4/43

- sign 0.058+/-0.062 χ^2/NDF: 27.4/22



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 332.362+/-0.125 χ^2/NDF:143124.7/4

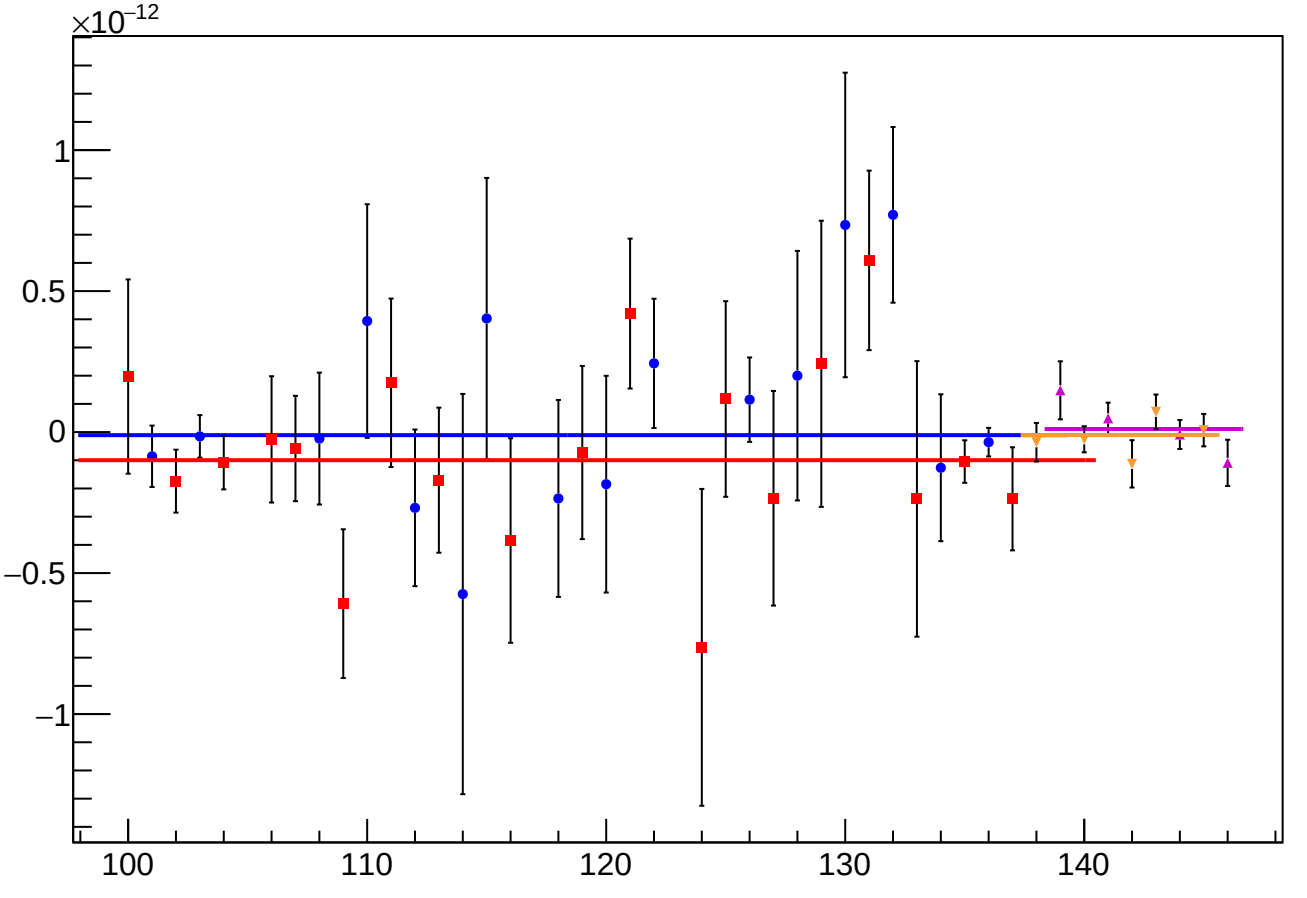
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.268+/-0.109 χ^2/NDF:379915.9/3

+ sign 200.707+/-0.046 χ^2/NDF: 2342805.7/20

All: 192.784+/-0.032 χ^2/NDF: 5000325.3/43

- sign 185.725+/-0.044 χ^2/NDF: 2602291.4/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

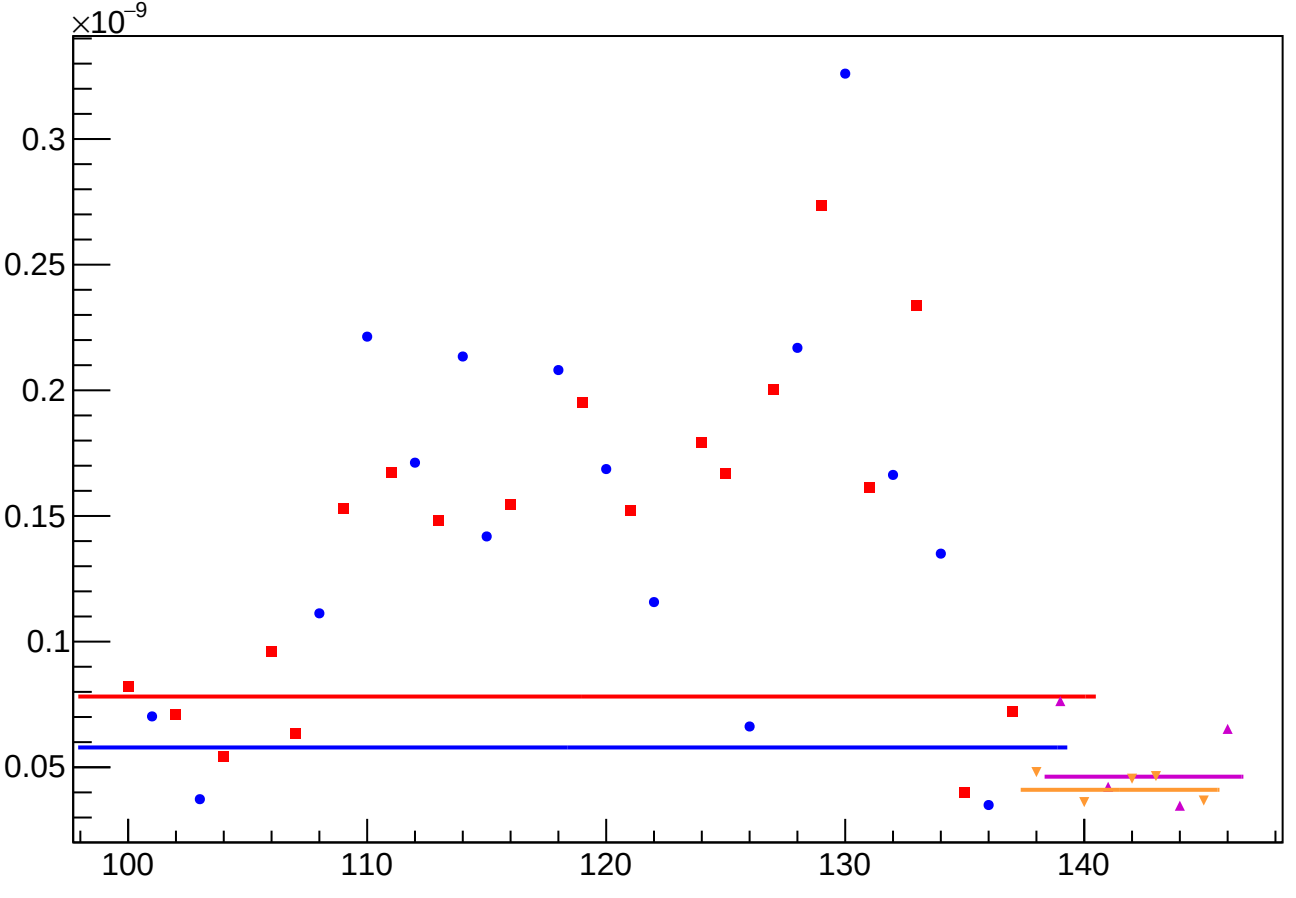
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.7/20

All: -0.000+/-0.000 χ^2/NDF: 46.3/43

- sign -0.000+/-0.000 χ^2/NDF: 27.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:76023.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

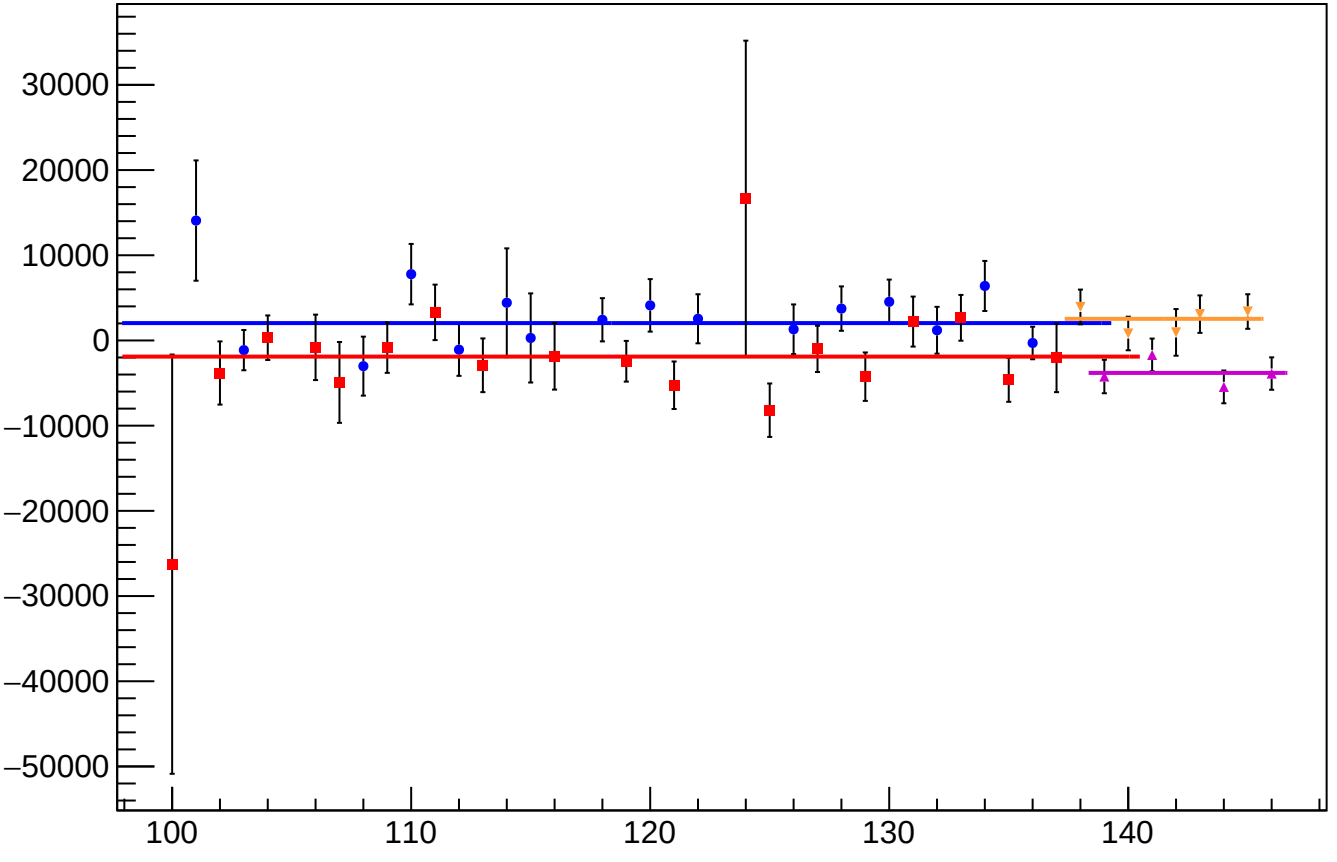
Left In: 0.000+/-0.000 χ^2/NDF:389629.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3688534.8/20

All: 0.000+/-0.000 χ^2/NDF: 7743346.2/43

- sign 0.000+/-0.000 χ^2/NDF: 3839600.1/22

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2541.240+/-961.723 χ^2/NDF:1.8/4

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

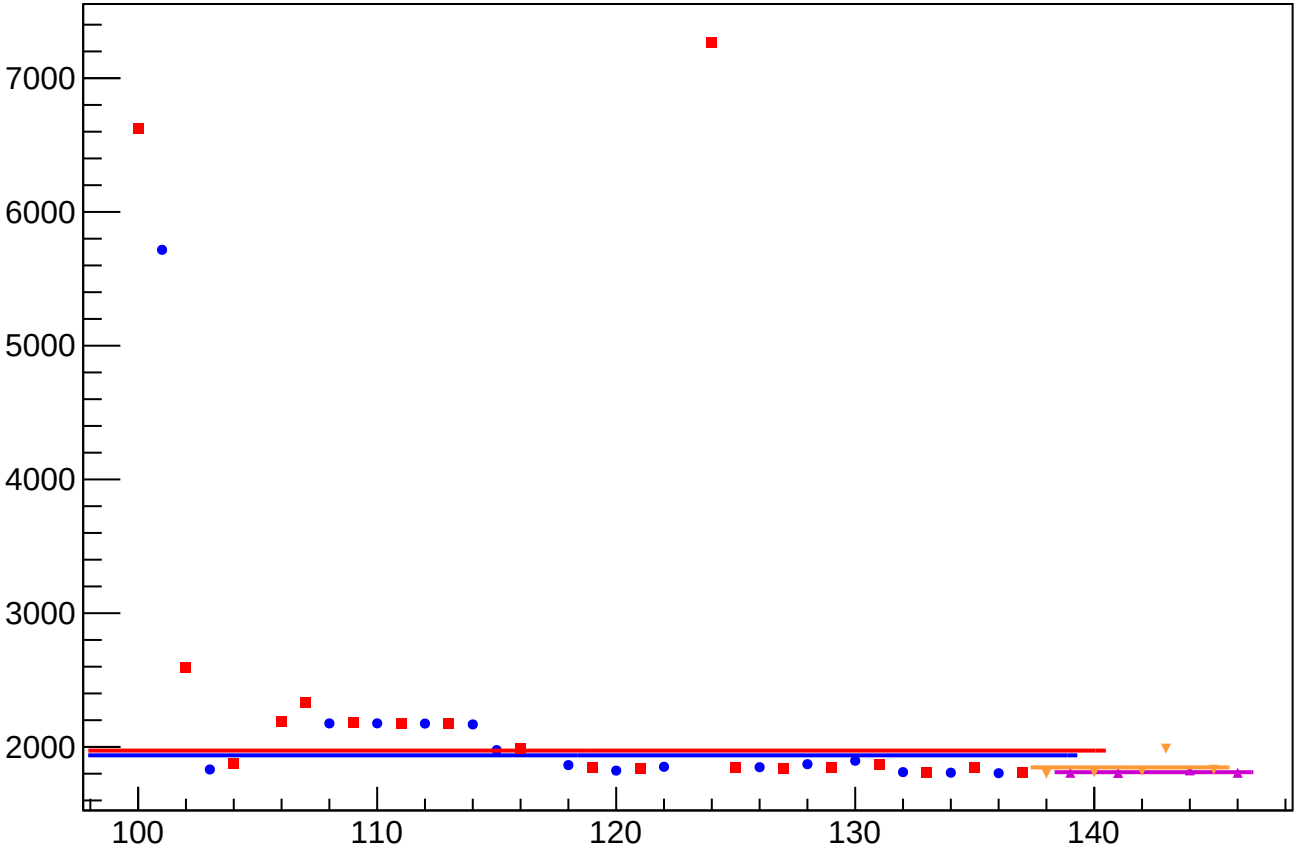
Left In: -3810.148+/-963.498 χ^2/NDF:2.0/3

+ sign 2224.704+/-584.587 χ^2/NDF: 18.4/20

All: -185.765+/-413.604 χ^2/NDF: 75.5/43

- sign -2601.797+/-585.261 χ^2/NDF: 23.0/22

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1847.064+/-0.680 χ^2/NDF:10214.7/4

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

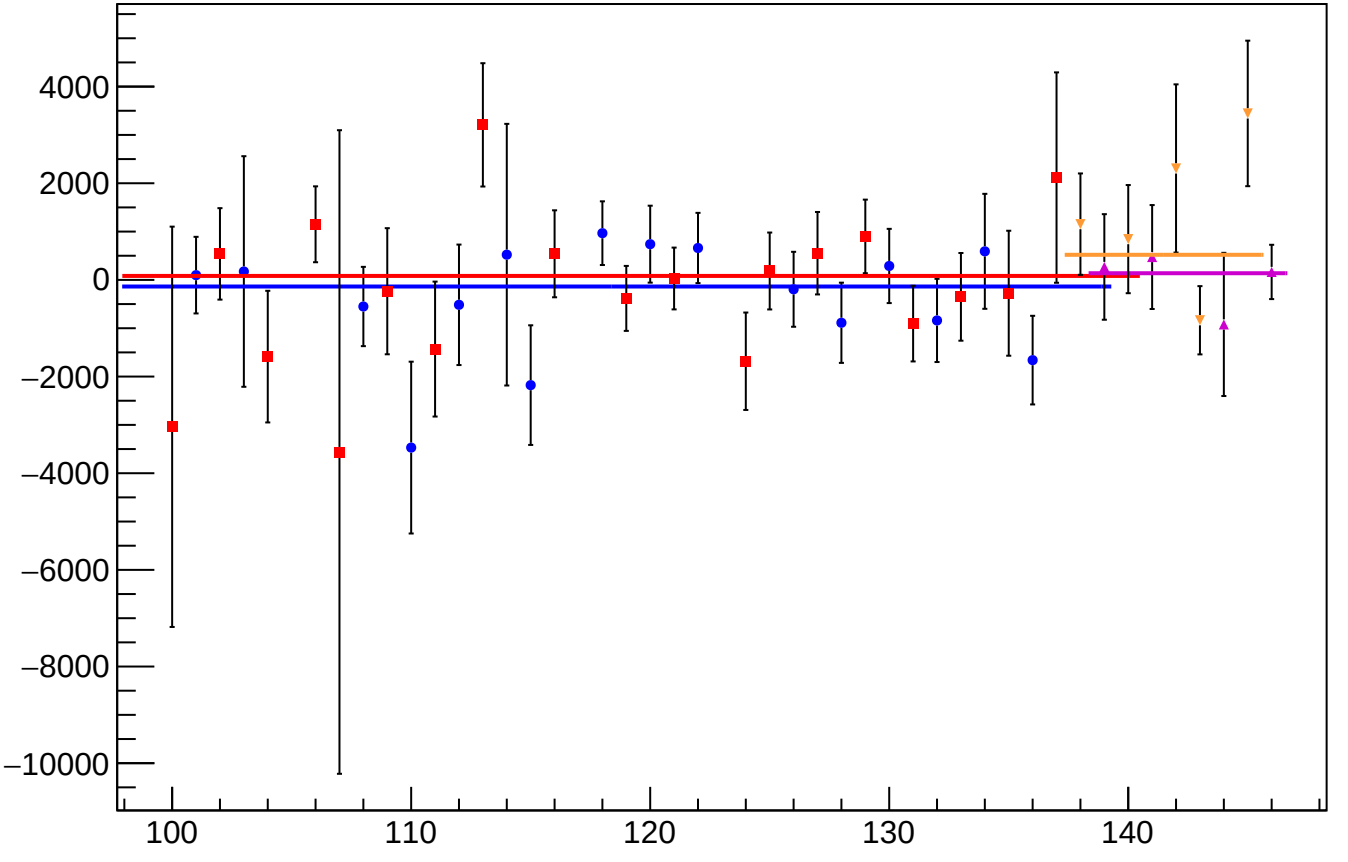
Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

+ sign 1903.928+/-0.413 χ^2/NDF: 659396.6/20

All: 1908.547+/-0.292 χ^2/NDF: 1072775.1/43

- sign 1913.176+/-0.414 χ^2/NDF: 413128.5/22

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 519.439+/-472.242 χ^2/NDF:9.0/4

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

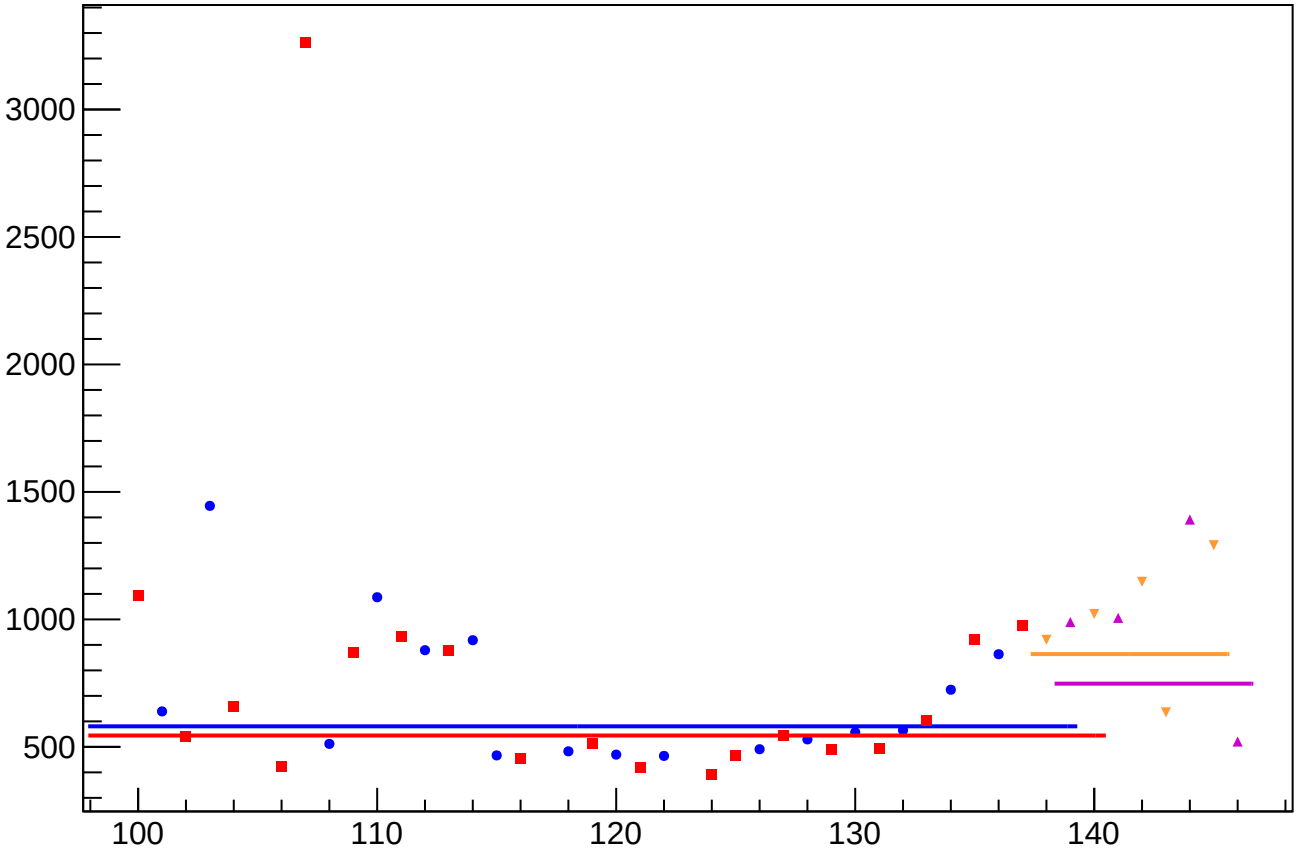
Left In: 138.254+/-433.301 χ^2/NDF:0.6/3

+ sign -10.473+/-207.092 χ^2/NDF: 27.4/20

All: 44.179+/-142.959 χ^2/NDF: 47.9/43

- sign 93.932+/-197.591 χ^2/NDF: 20.4/22

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 863.976+/-0.334 χ^2/NDF:468630.8/4

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

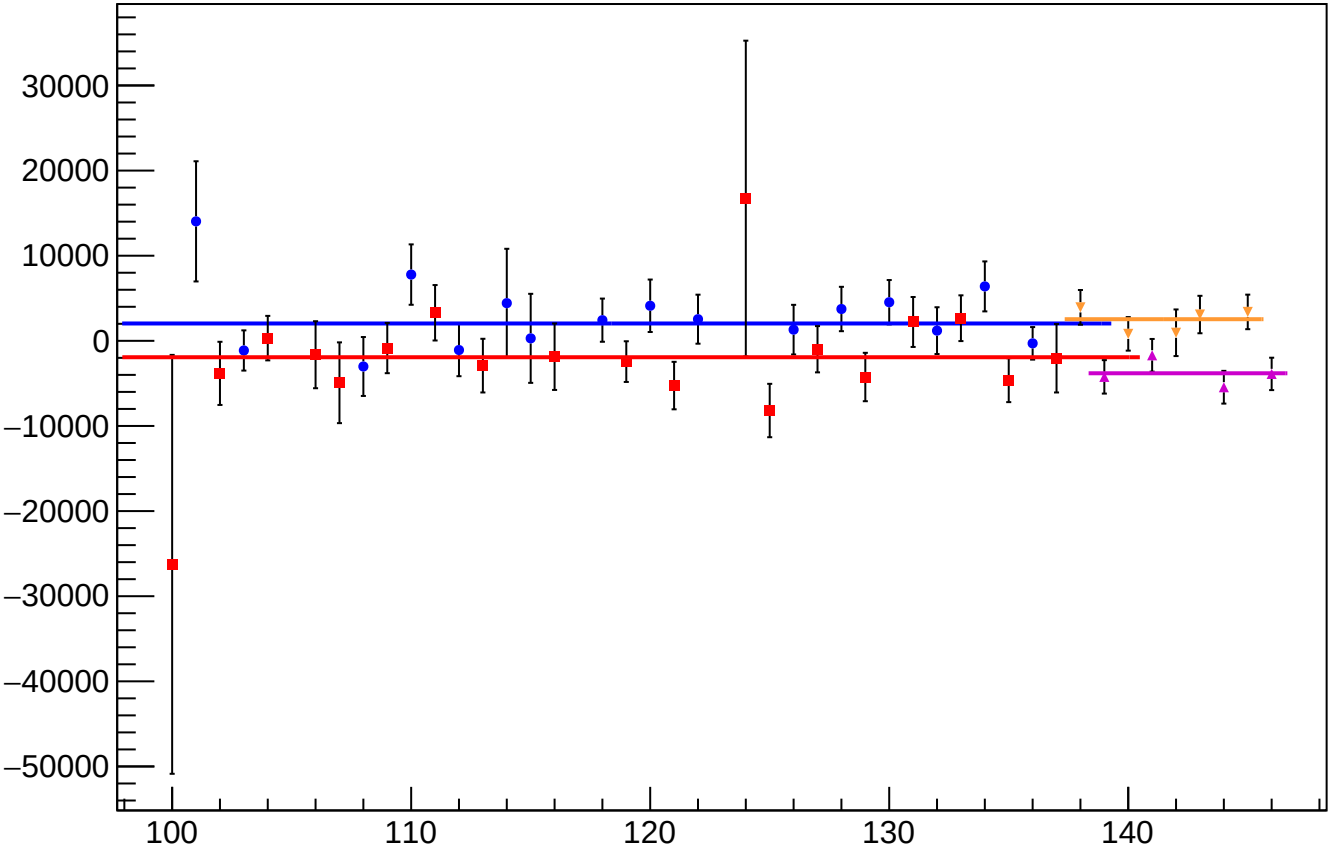
Left In: 747.973+/-0.306 χ^2/NDF:917036.7/3

+ sign 635.104+/-0.146 χ^2/NDF: 2053660.6/20

All: 609.837+/-0.101 χ^2/NDF: 4664427.1/43

- sign 586.836+/-0.140 χ^2/NDF: 2553892.3/22

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2541.449+/-961.723 χ^2/NDF:1.8/4

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

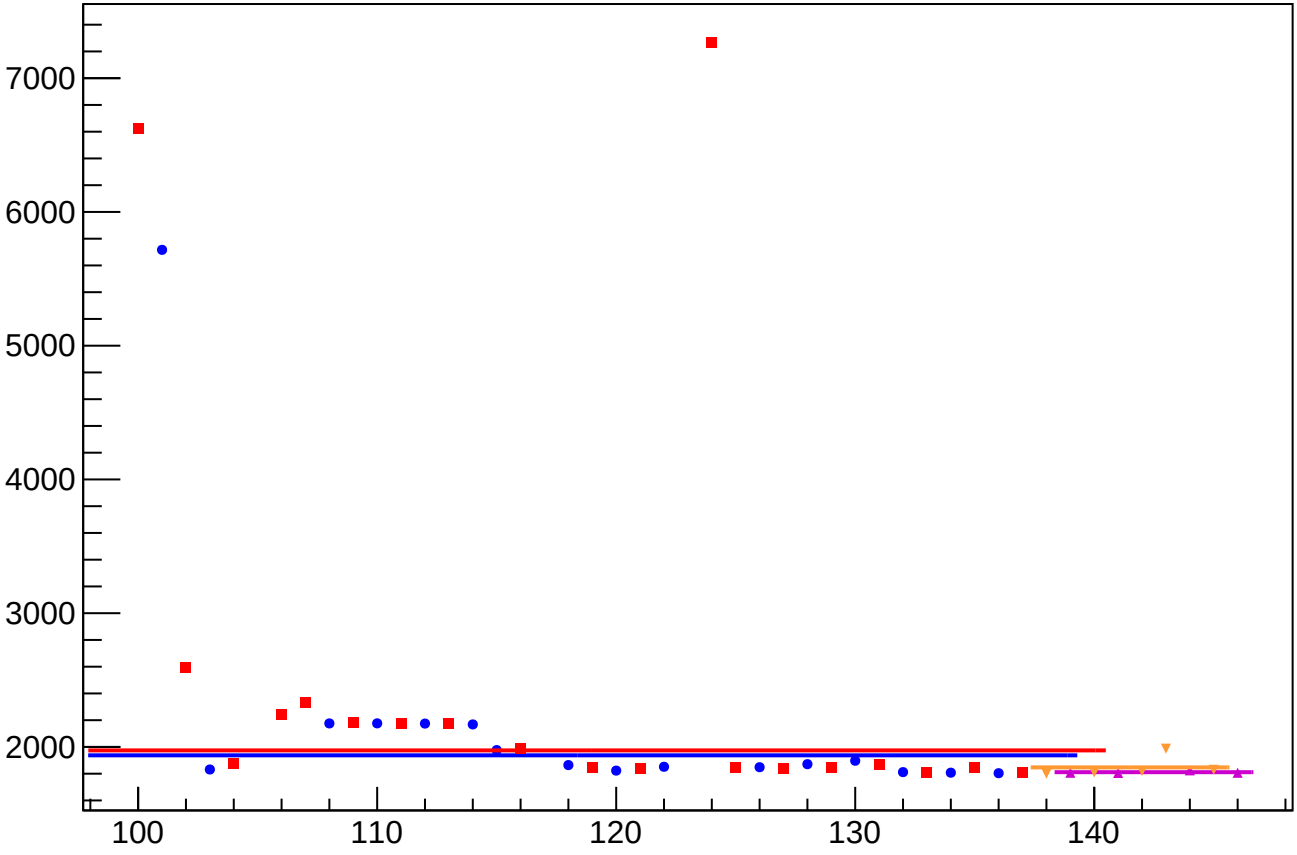
Left In: -3810.355+/-963.498 χ^2/NDF:2.0/3

+ sign 2224.549+/-584.587 χ^2/NDF: 18.4/20

All: -194.698+/-413.718 χ^2/NDF: 75.5/43

- sign -2622.221+/-585.586 χ^2/NDF: 22.8/22

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1847.064+/-0.680 χ^2/NDF:10214.7/4

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

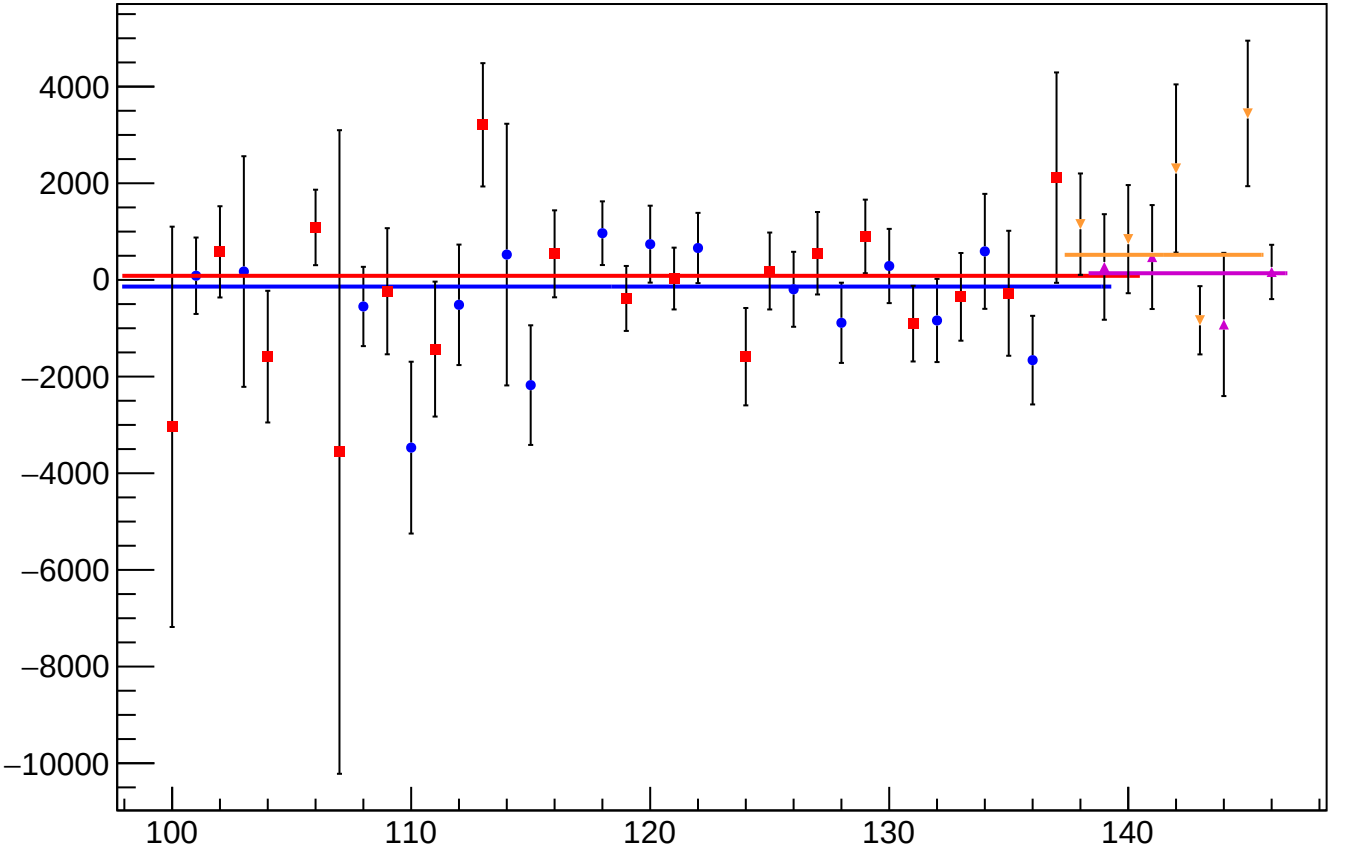
Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

+ sign 1903.928+/-0.413 χ^2/NDF: 659396.6/20

All: 1908.950+/-0.293 χ^2/NDF: 1076306.0/43

- sign 1913.990+/-0.414 χ^2/NDF: 416613.6/22

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 519.581+/-472.242 χ^2/NDF:9.0/4

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

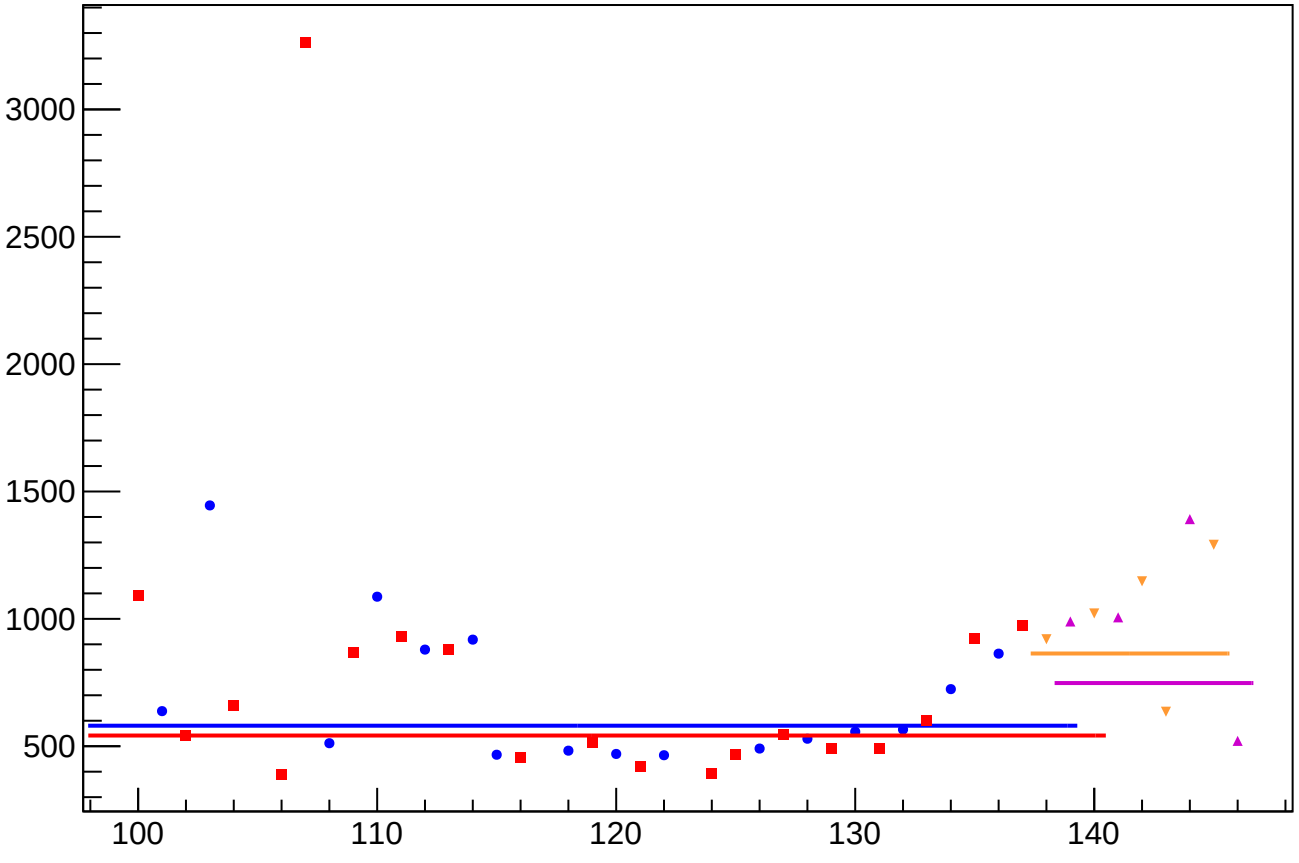
Left In: 138.327+/-433.304 χ^2/NDF:0.6/3

+ sign -11.174+/-207.056 χ^2/NDF: 27.4/20

All: 44.964+/-142.910 χ^2/NDF: 47.5/43

- sign 96.037+/-197.494 χ^2/NDF: 19.9/22

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 863.974+/-0.334 χ^2/NDF:468616.9/4

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

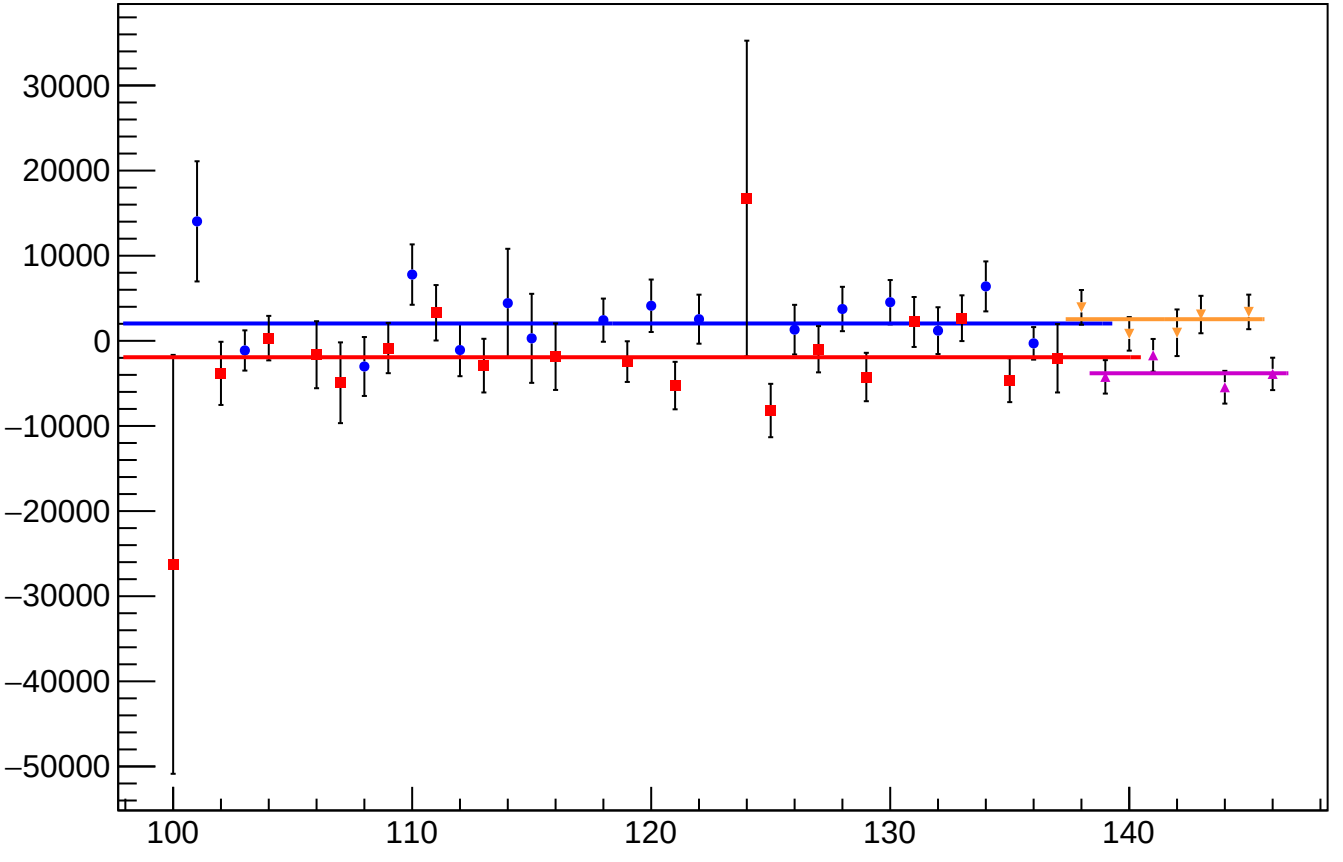
Left In: 747.977+/-0.306 χ^2/NDF:917038.7/3

+ sign 635.011+/-0.146 χ^2/NDF: 2053555.9/20

All: 608.688+/-0.101 χ^2/NDF: 4709440.8/43

- sign 584.741+/-0.140 χ^2/NDF: 2594156.5/22

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2541.449+/-961.723 χ^2/NDF:1.8/4

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

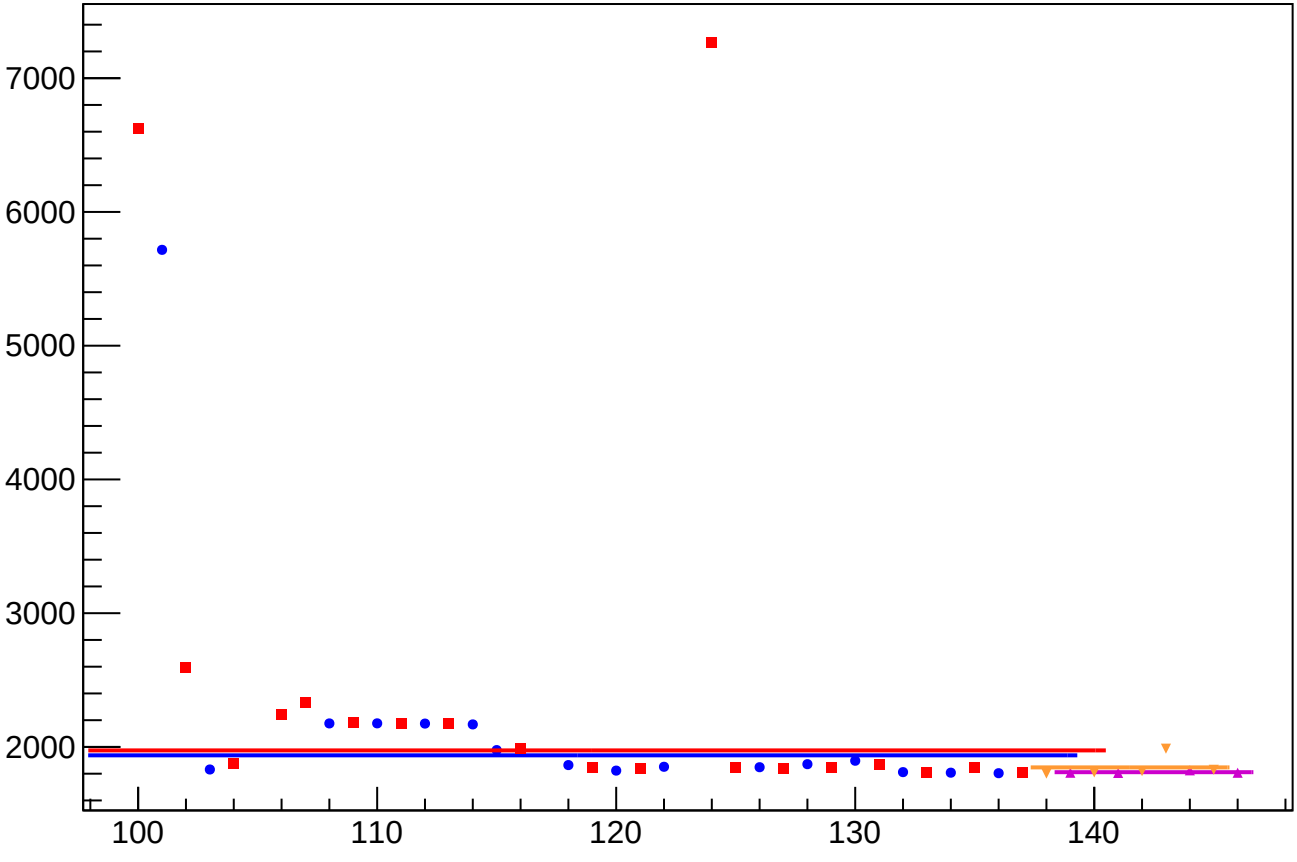
Left In: -3810.355+/-963.498 χ^2/NDF:2.0/3

+ sign 2224.549+/-584.587 χ^2/NDF: 18.4/20

All: -194.698+/-413.718 χ^2/NDF: 75.5/43

- sign -2622.221+/-585.586 χ^2/NDF: 22.8/22

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1847.064+/-0.680 χ^2/NDF:10214.7/4

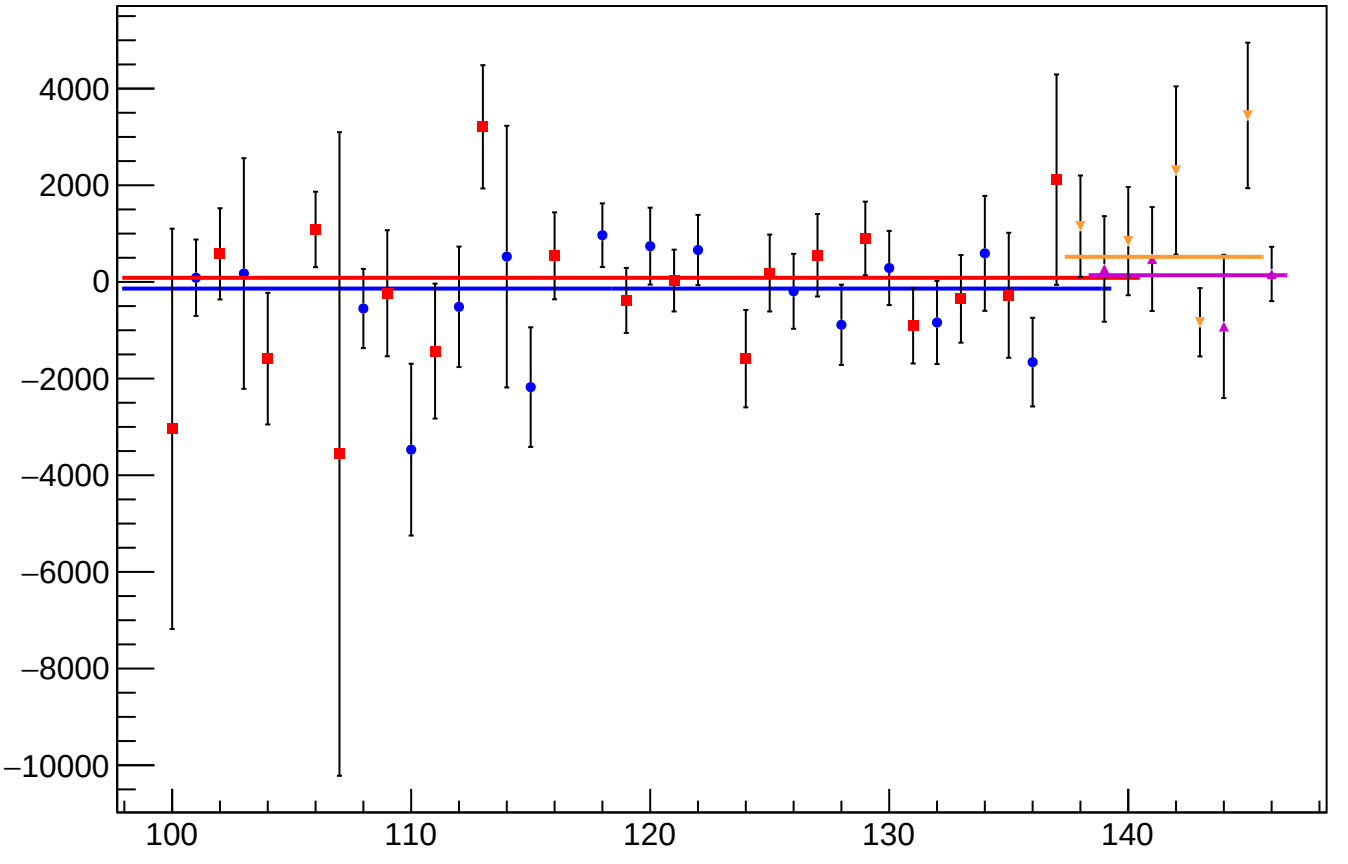
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

+ sign 1903.928+/-0.413 χ^2/NDF: 659396.6/20

All: 1908.950+/-0.293 χ^2/NDF: 1076306.0/43

- sign 1913.990+/-0.414 χ^2/NDF: 416613.6/22



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 519.581+/-472.242 χ^2/NDF:9.0/4

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

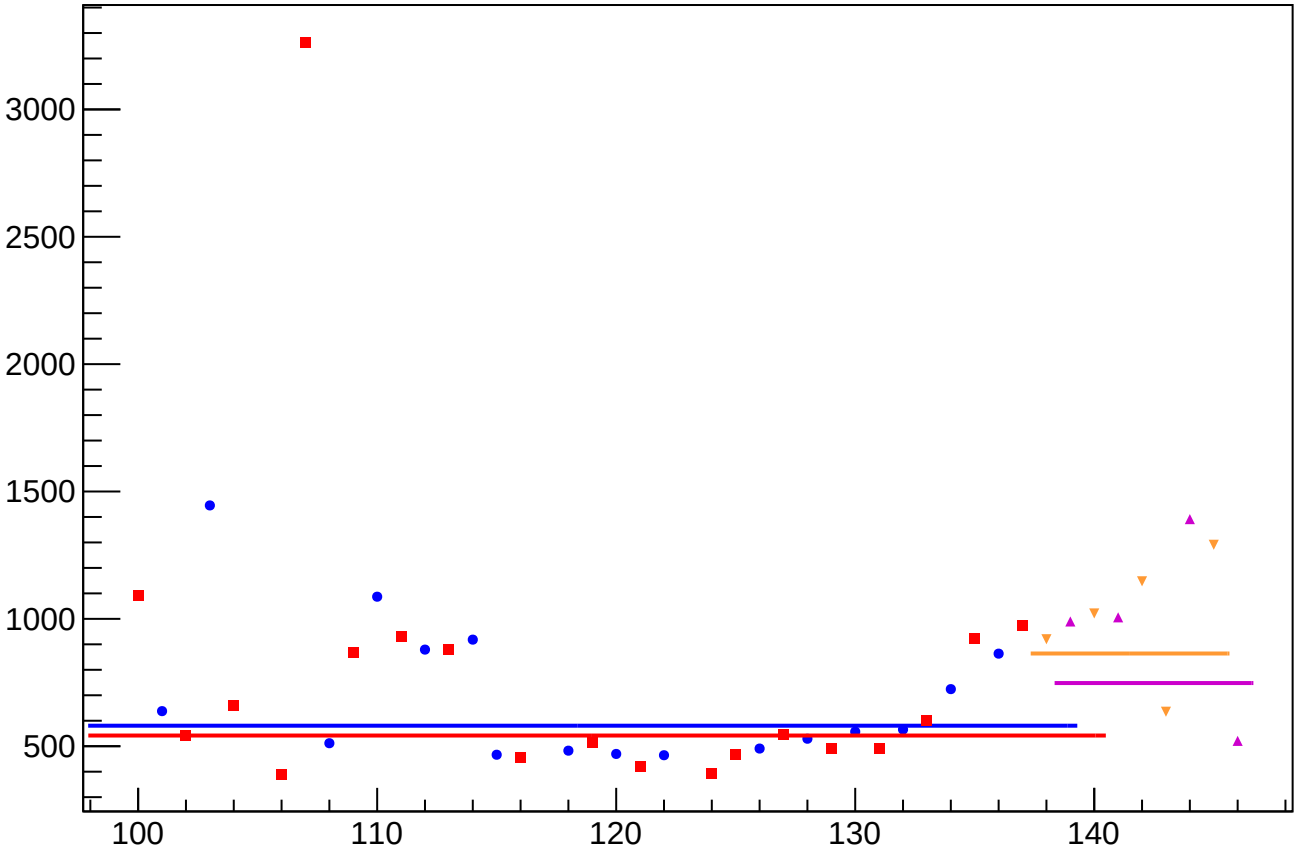
Left In: 138.327+/-433.304 χ^2/NDF:0.6/3

+ sign -11.174+/-207.056 χ^2/NDF: 27.4/20

All: 44.964+/-142.910 χ^2/NDF: 47.5/43

- sign 96.037+/-197.494 χ^2/NDF: 19.9/22

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 863.974+/-0.334 χ^2/NDF:468616.9/4

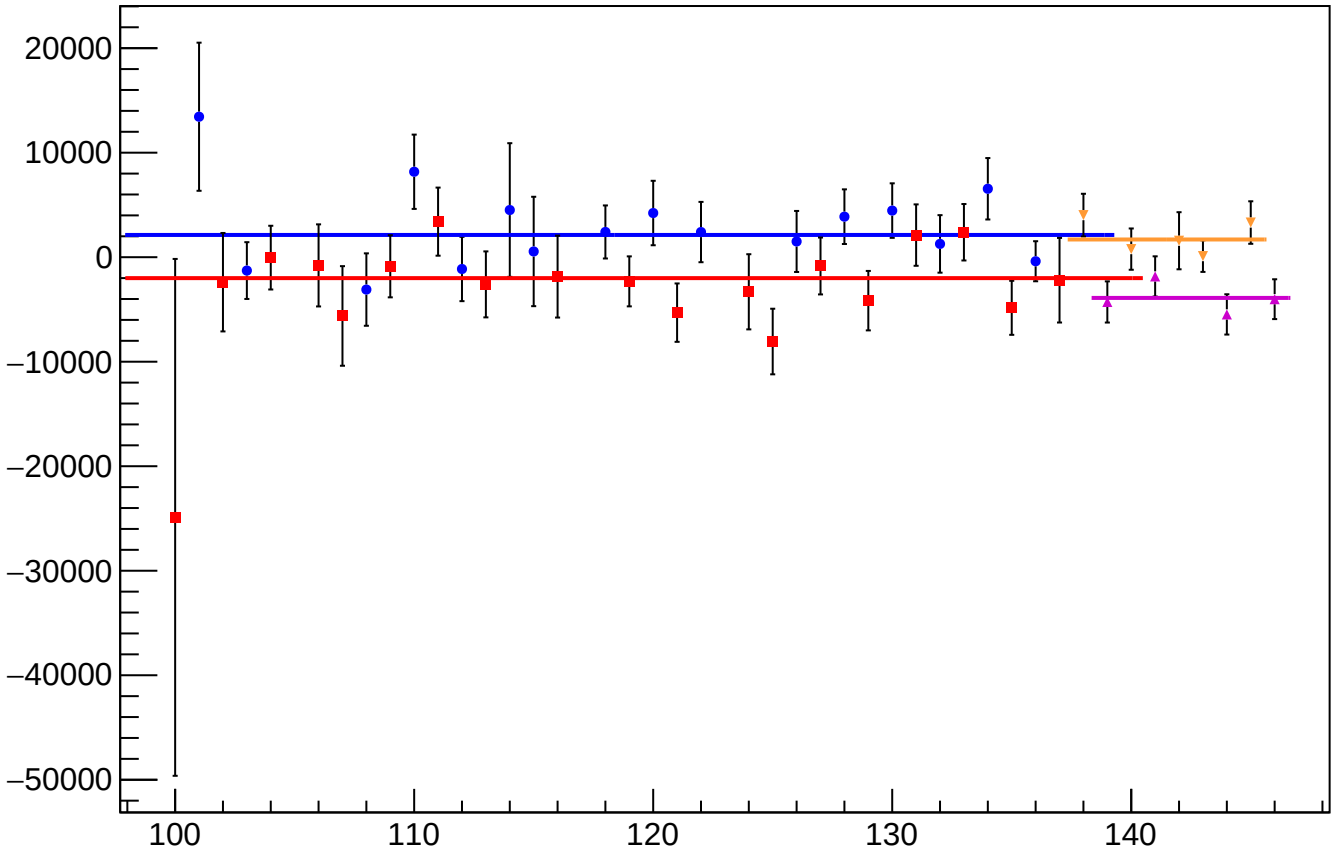
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 747.977+/-0.306 χ^2/NDF:917038.7/3

+ sign 635.011+/-0.146 χ^2/NDF: 2053555.9/20

All: 608.688+/-0.101 χ^2/NDF: 4709440.8/43

- sign 584.741+/-0.140 χ^2/NDF: 2594156.5/22



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1694.890+/-873.595 χ^2/NDF:3.3/4

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

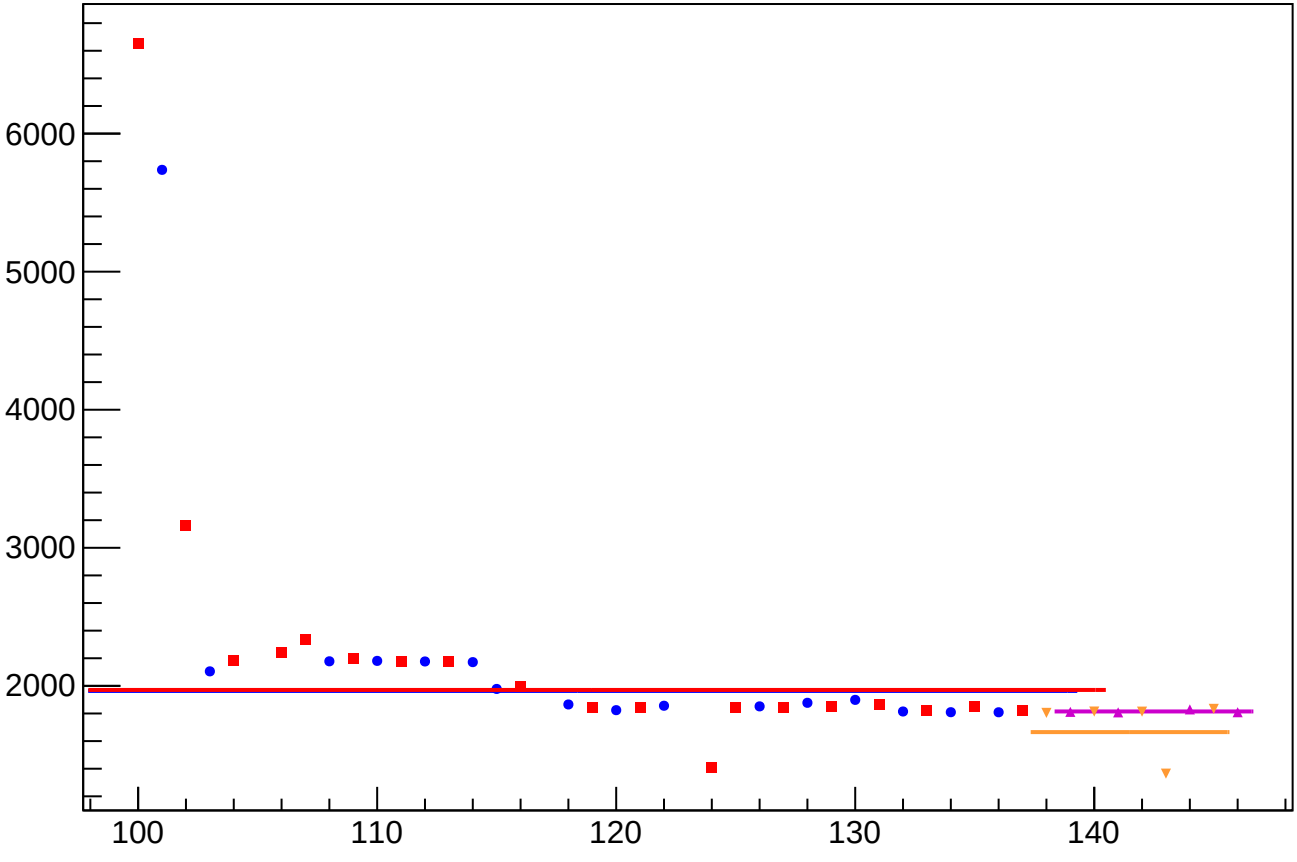
Left In: -3896.341+/-965.360 χ^2/NDF:1.9/3

+ sign 1945.720+/-567.408 χ^2/NDF: 19.9/20

All: -302.649+/-407.597 χ^2/NDF: 73.4/43

- sign -2699.921+/-585.896 χ^2/NDF: 21.0/22

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1665.169+/-0.618 χ^2/NDF:119632.1/4

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

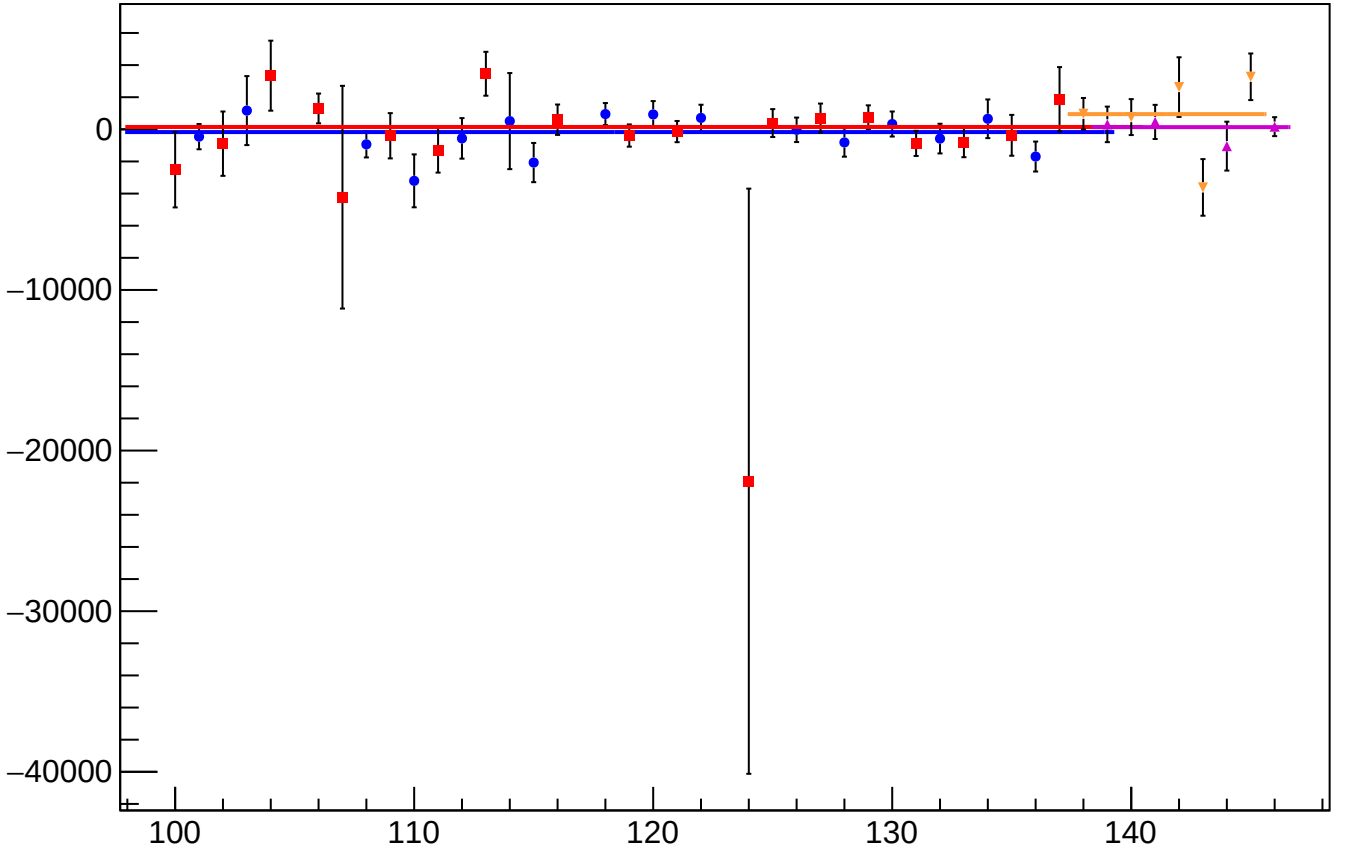
Left In: 1814.704+/-0.683 χ^2/NDF:163.9/3

+ sign 1837.596+/-0.401 χ^2/NDF: 894655.2/20

All: 1874.132+/-0.288 χ^2/NDF: 1289971.6/43

- sign 1913.087+/-0.414 χ^2/NDF: 378182.9/22

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 946.948+/-585.067 χ^2/NDF:10.1/4

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

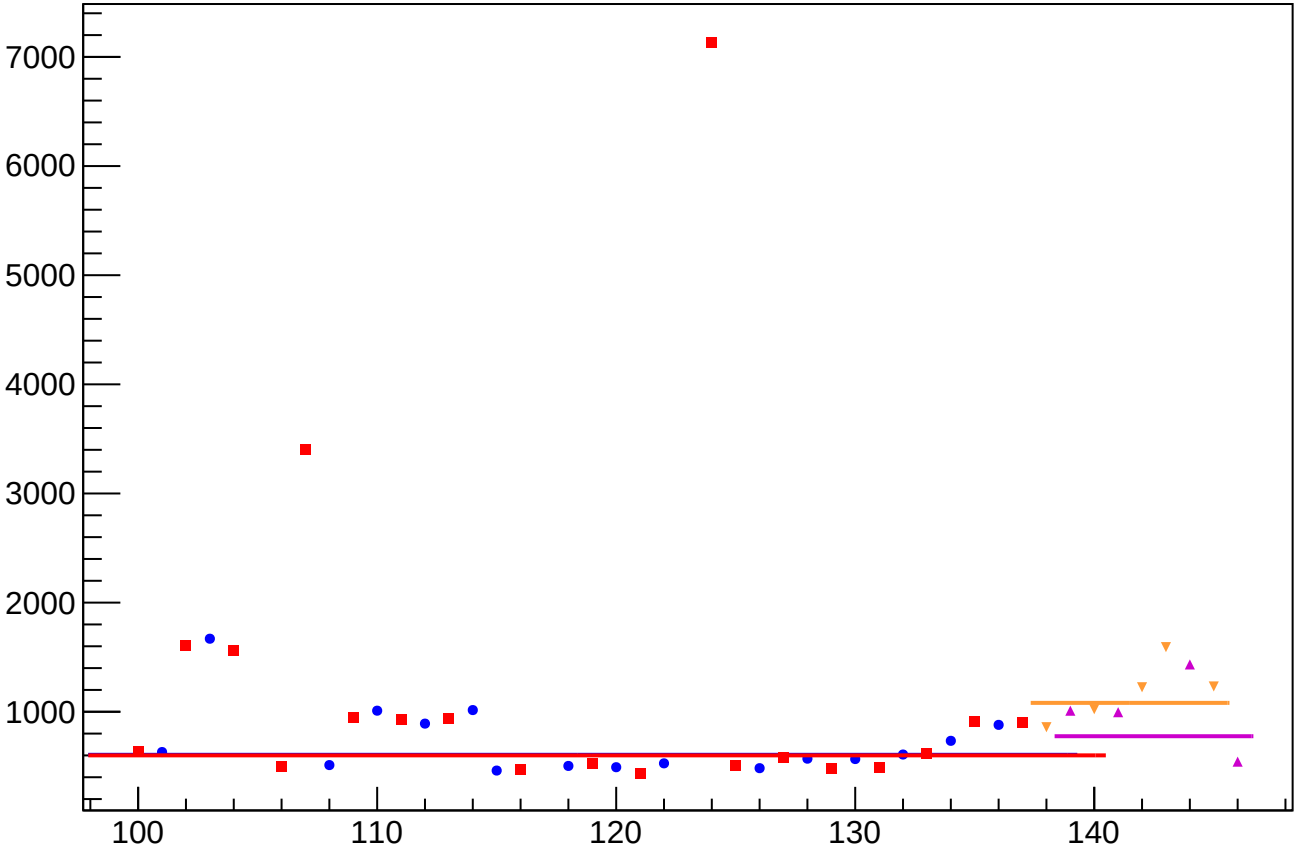
Left In: 137.616+/-446.878 χ^2/NDF:0.7/3

+ sign -13.320+/-219.592 χ^2/NDF: 30.5/20

All: 68.235+/-153.030 χ^2/NDF: 51.6/43

- sign 145.238+/-213.376 χ^2/NDF: 20.8/22

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 1081.417+/-0.414 χ^2/NDF:309611.7/4

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

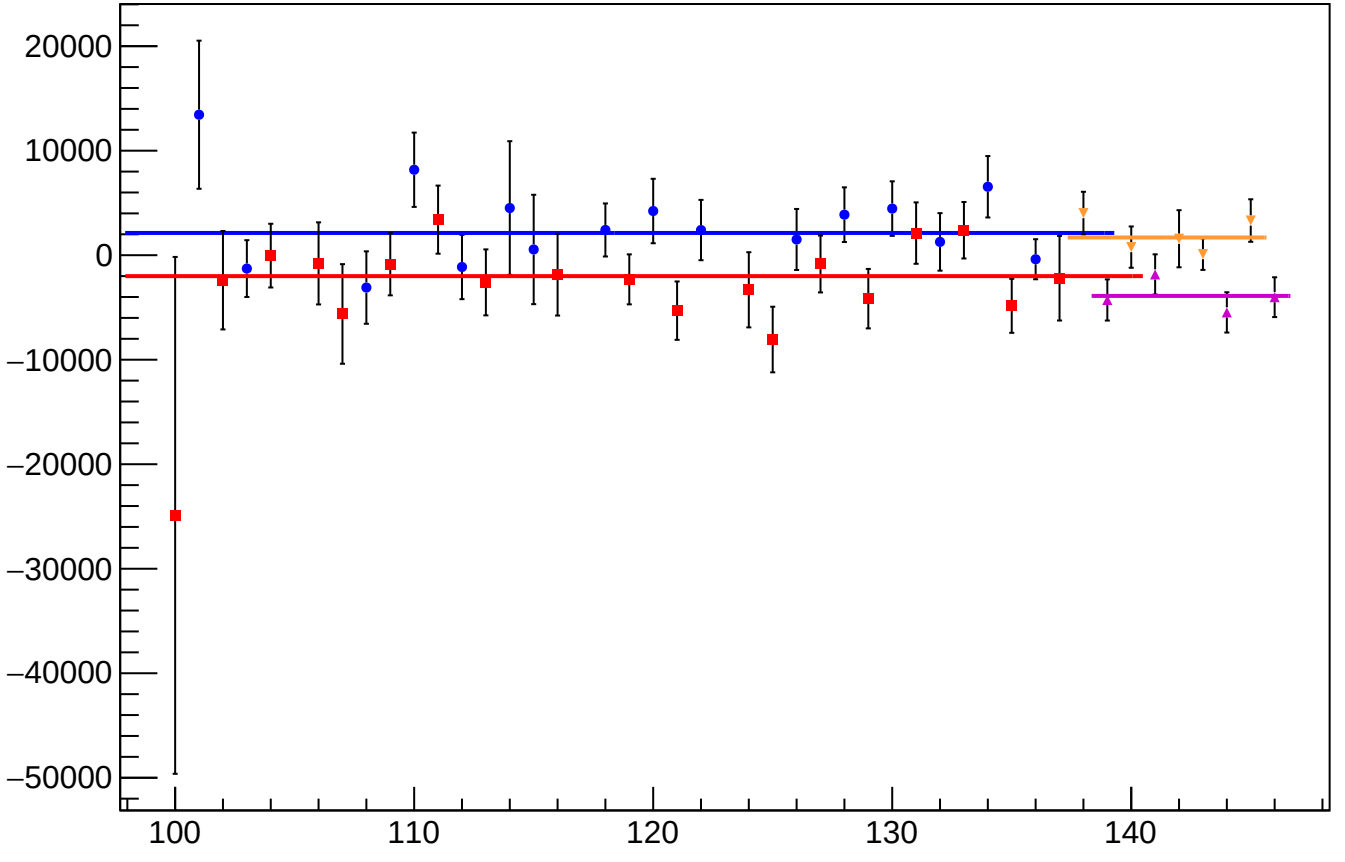
Left In: 775.861+/-0.316 χ^2/NDF:860427.0/3

+ sign 672.482+/-0.155 χ^2/NDF: 2609348.6/20

All: 656.001+/-0.108 χ^2/NDF: 6058109.1/43

- sign 640.439+/-0.151 χ^2/NDF: 3426856.2/22

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1694.893+/-873.595 χ^2/NDF:3.3/4

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

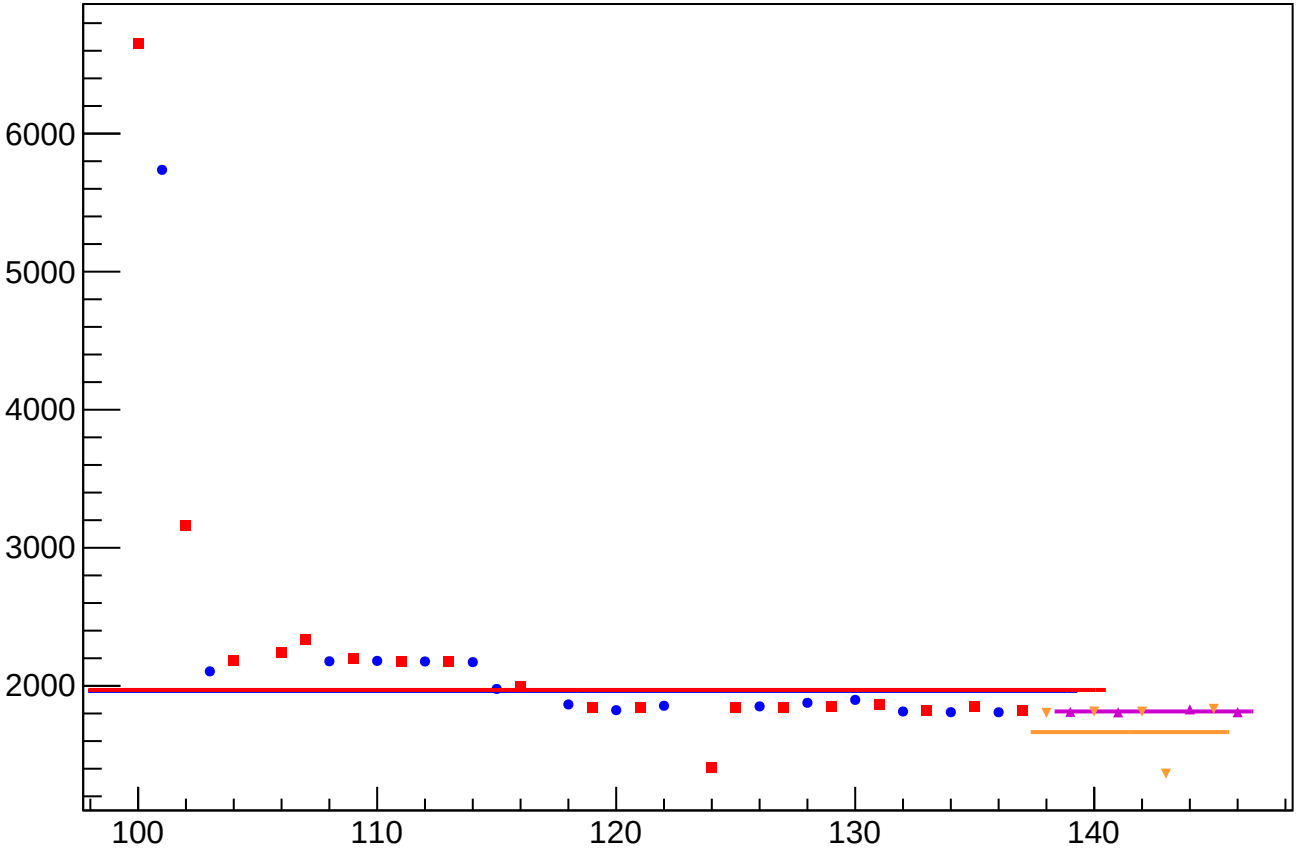
Left In: -3896.341+/-965.360 χ^2/NDF:1.9/3

+ sign 1945.720+/-567.408 χ^2/NDF: 19.9/20

All: -302.648+/-407.597 χ^2/NDF: 73.4/43

- sign -2699.920+/-585.896 χ^2/NDF: 21.0/22

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1665.169+/-0.618 χ^2/NDF:119632.1/4

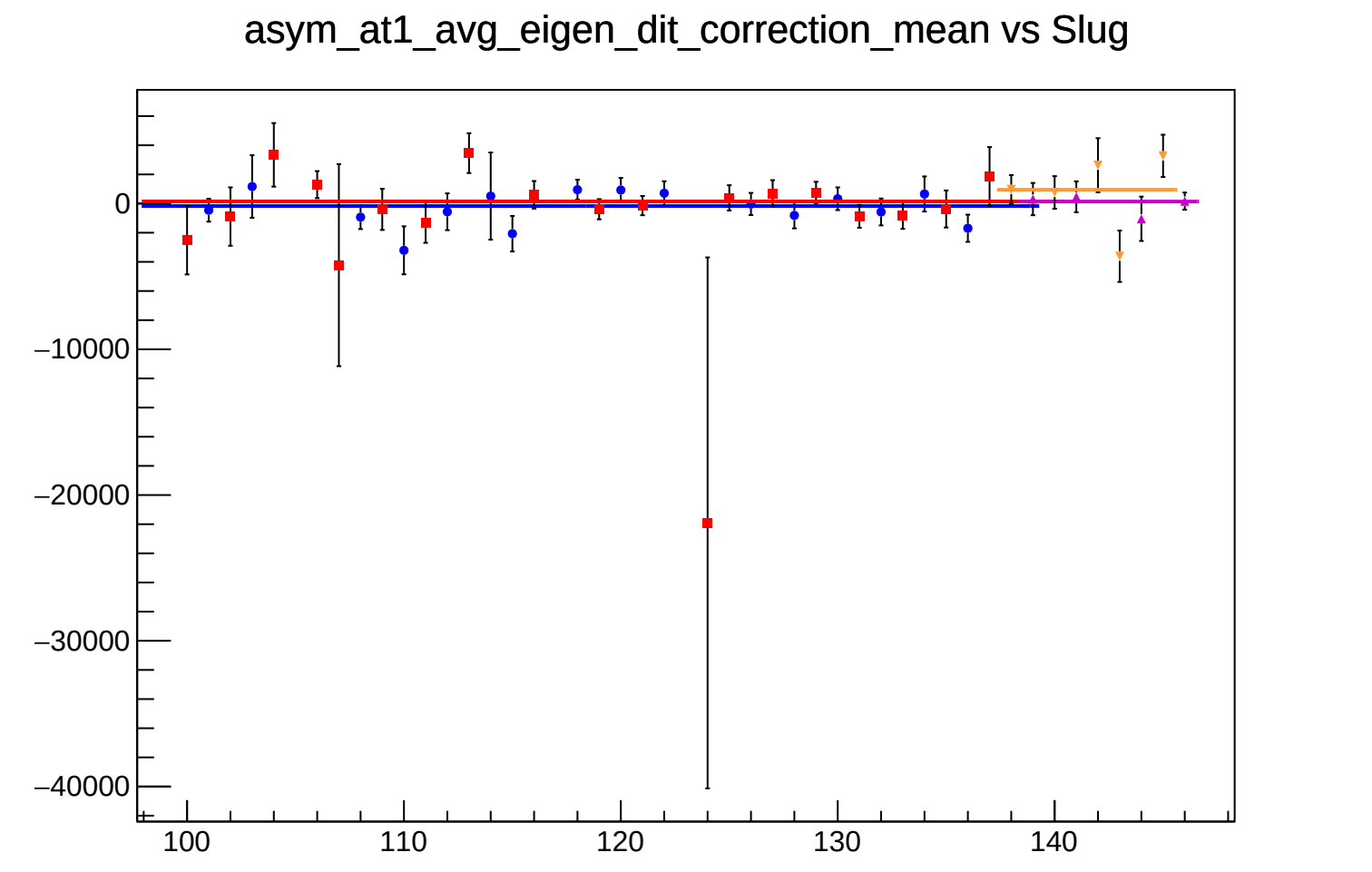
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1814.704+/-0.683 χ^2/NDF:163.9/3

+ sign 1837.596+/-0.401 χ^2/NDF: 894654.7/20

All: 1874.132+/-0.288 χ^2/NDF: 1289969.7/43

- sign 1913.087+/-0.414 χ^2/NDF: 378181.5/22



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: 946.949+/-585.068 χ^2/NDF:10.1/4

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

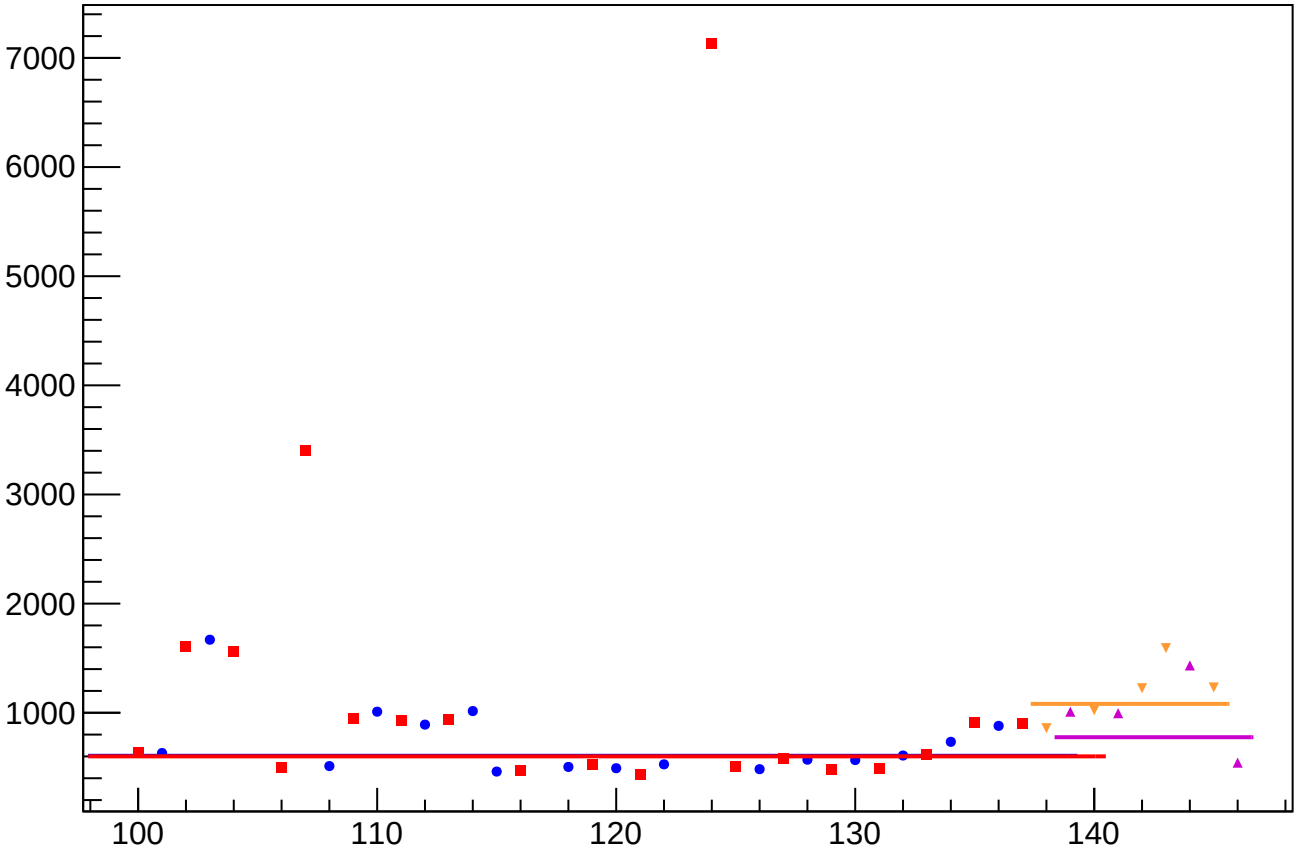
Left In: 137.617+/-446.879 χ^2/NDF:0.7/3

+ sign -13.319+/-219.592 χ^2/NDF: 30.5/20

All: 68.235+/-153.030 χ^2/NDF: 51.6/43

- sign 145.238+/-213.376 χ^2/NDF: 20.8/22

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 1081.418+/-0.414 χ^2/NDF:309612.4/4

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

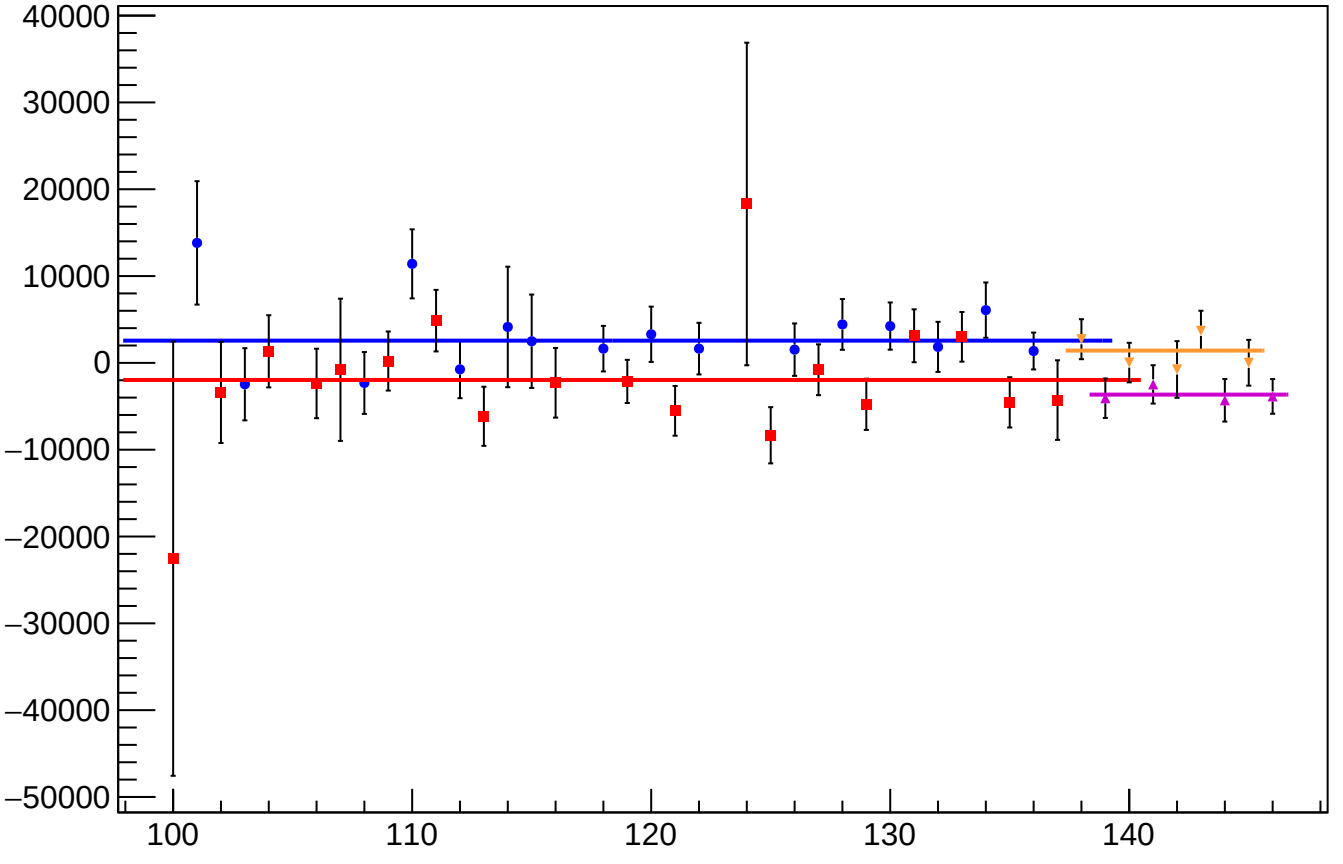
Left In: 775.862+/-0.316 χ^2/NDF:860425.5/3

+ sign 672.481+/-0.155 χ^2/NDF: 2609364.3/20

All: 656.000+/-0.108 χ^2/NDF: 6058135.6/43

- sign 640.439+/-0.151 χ^2/NDF: 3426867.7/22

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1417.246+/-1113.894 χ^2/NDF:2.4/4

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

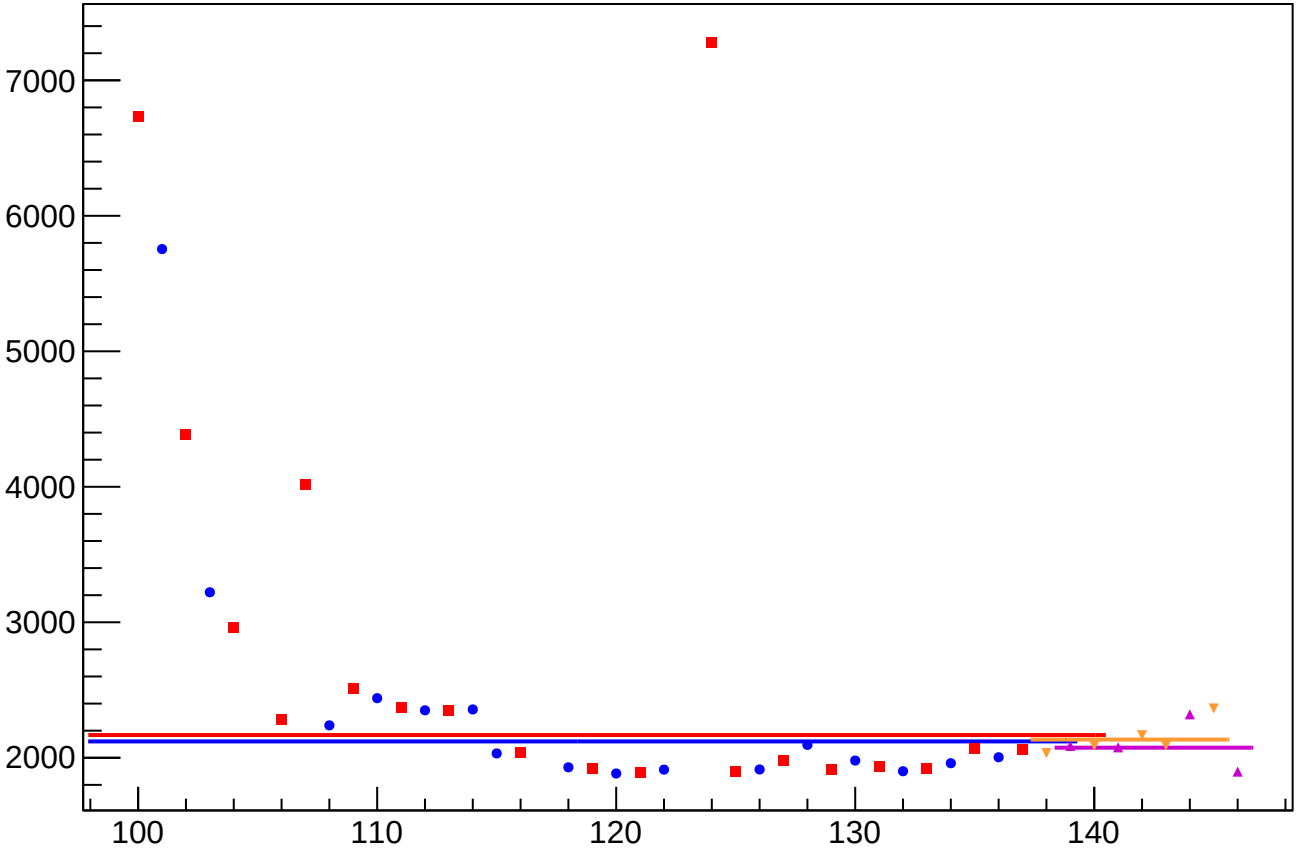
Left In: -3655.347+/-1107.425 χ^2/NDF:0.4/3

+ sign 2165.589+/-654.925 χ^2/NDF: 17.7/20

All: -186.484+/-464.327 χ^2/NDF: 67.1/43

- sign -2563.610+/-658.403 χ^2/NDF: 23.5/22

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2134.408+/-0.788 χ^2/NDF:20668.8/4

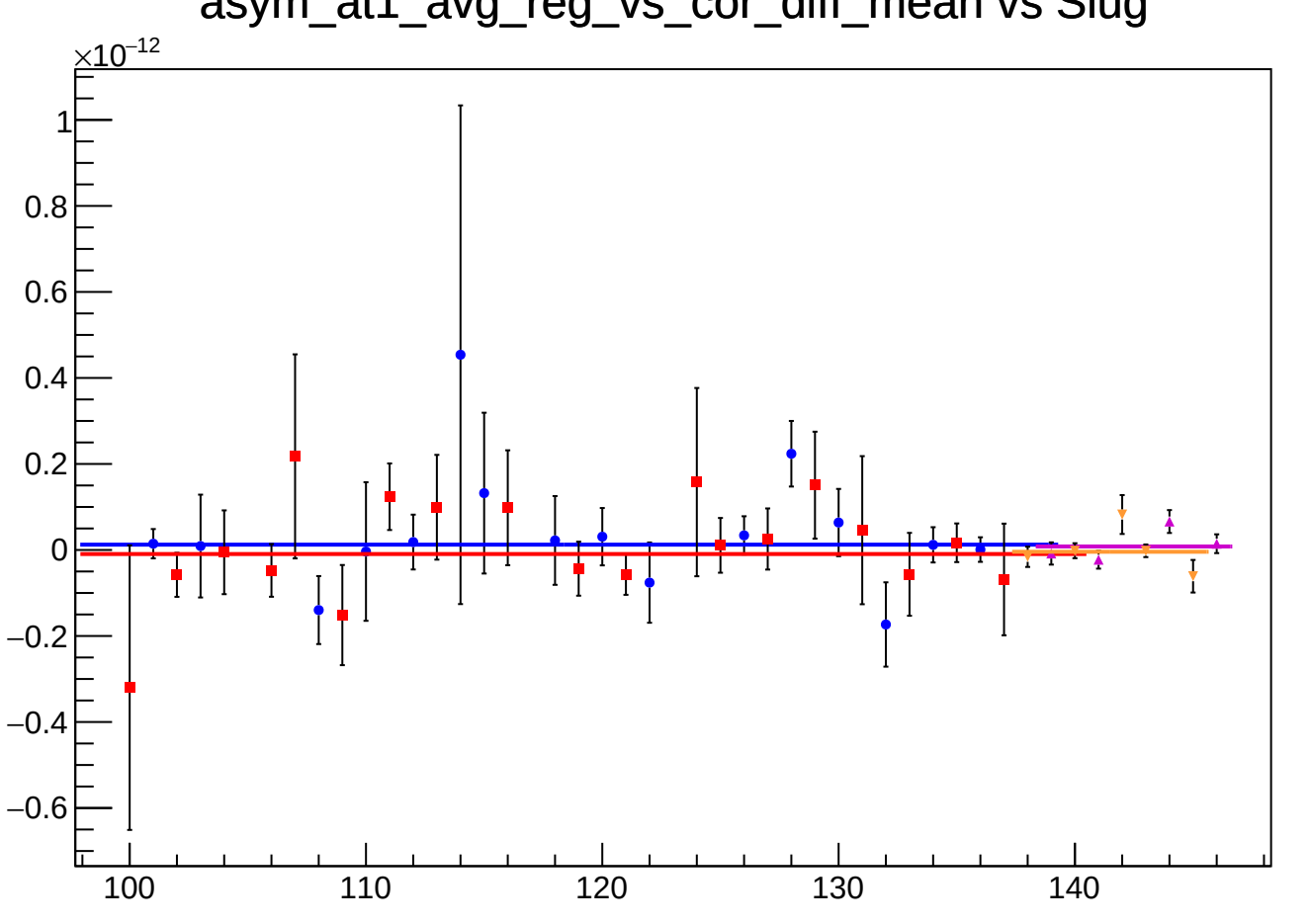
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2074.449+/-0.783 χ^2/NDF:35916.9/3

+ sign 2125.490+/-0.463 χ^2/NDF: 780833.9/20

All: 2130.135+/-0.328 χ^2/NDF: 1650074.5/43

- sign 2134.829+/-0.466 χ^2/NDF: 869038.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/4

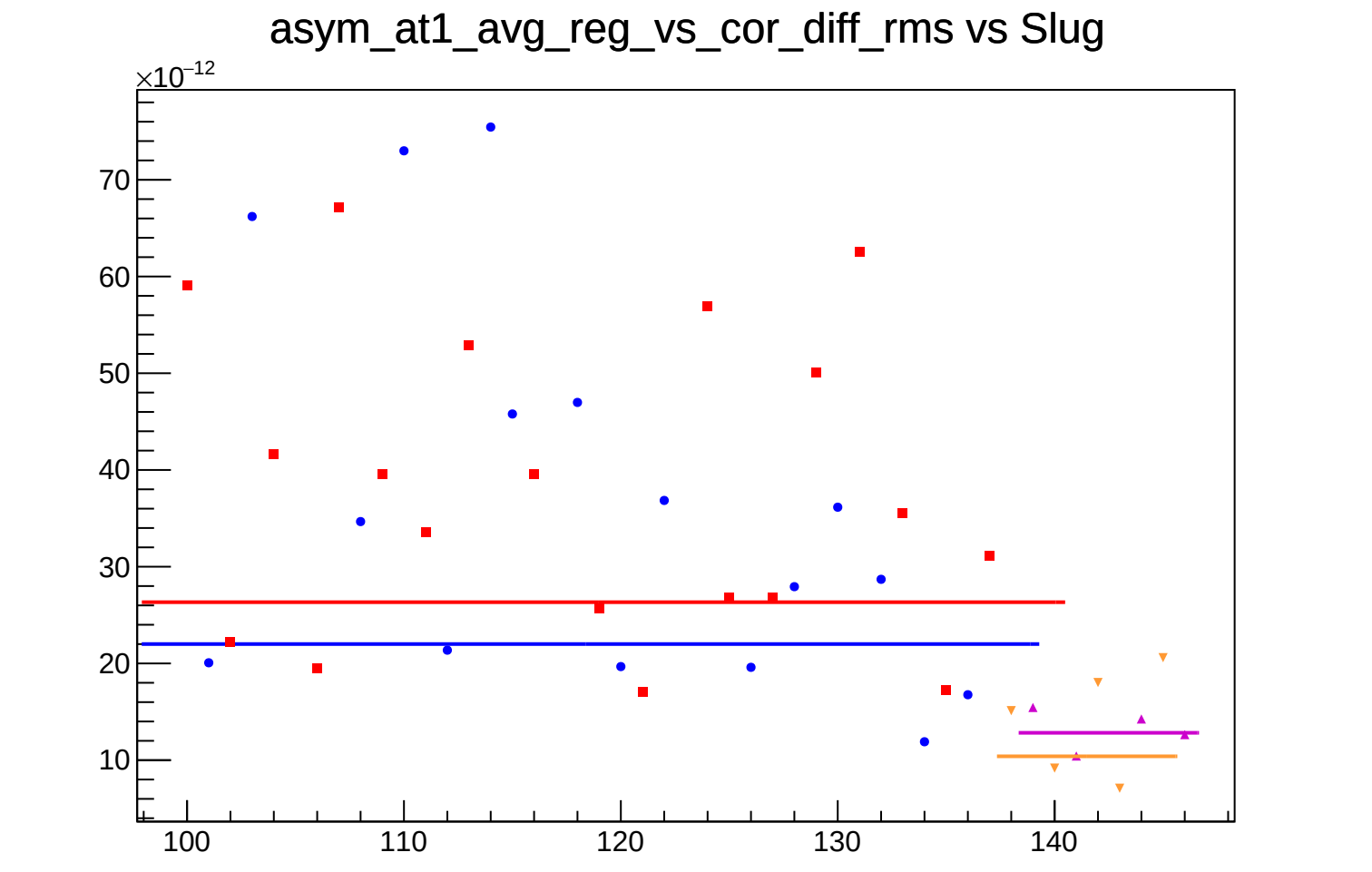
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/20

All: 0.000+/-0.000 χ^2/NDF: 46.8/43

- sign 0.000+/-0.000 χ^2/NDF: 21.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:392882.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

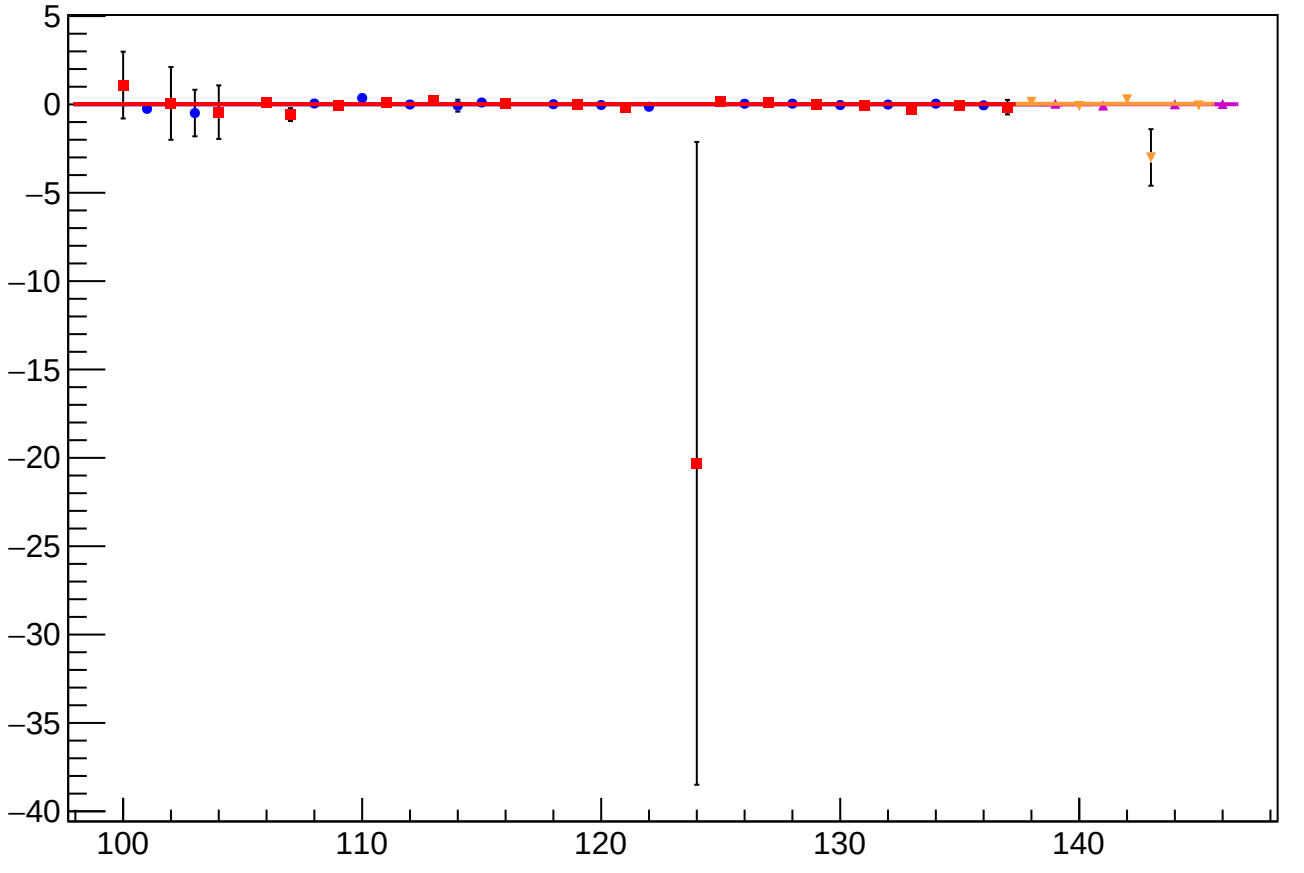
Left In: 0.000+/-0.000 χ^2/NDF:53089.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 2298428.9/20

All: 0.000+/-0.000 χ^2/NDF: 3956871.0/43

- sign 0.000+/-0.000 χ^2/NDF: 1547763.4/22

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.035+/-0.054 χ^2/NDF:10.1/4

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

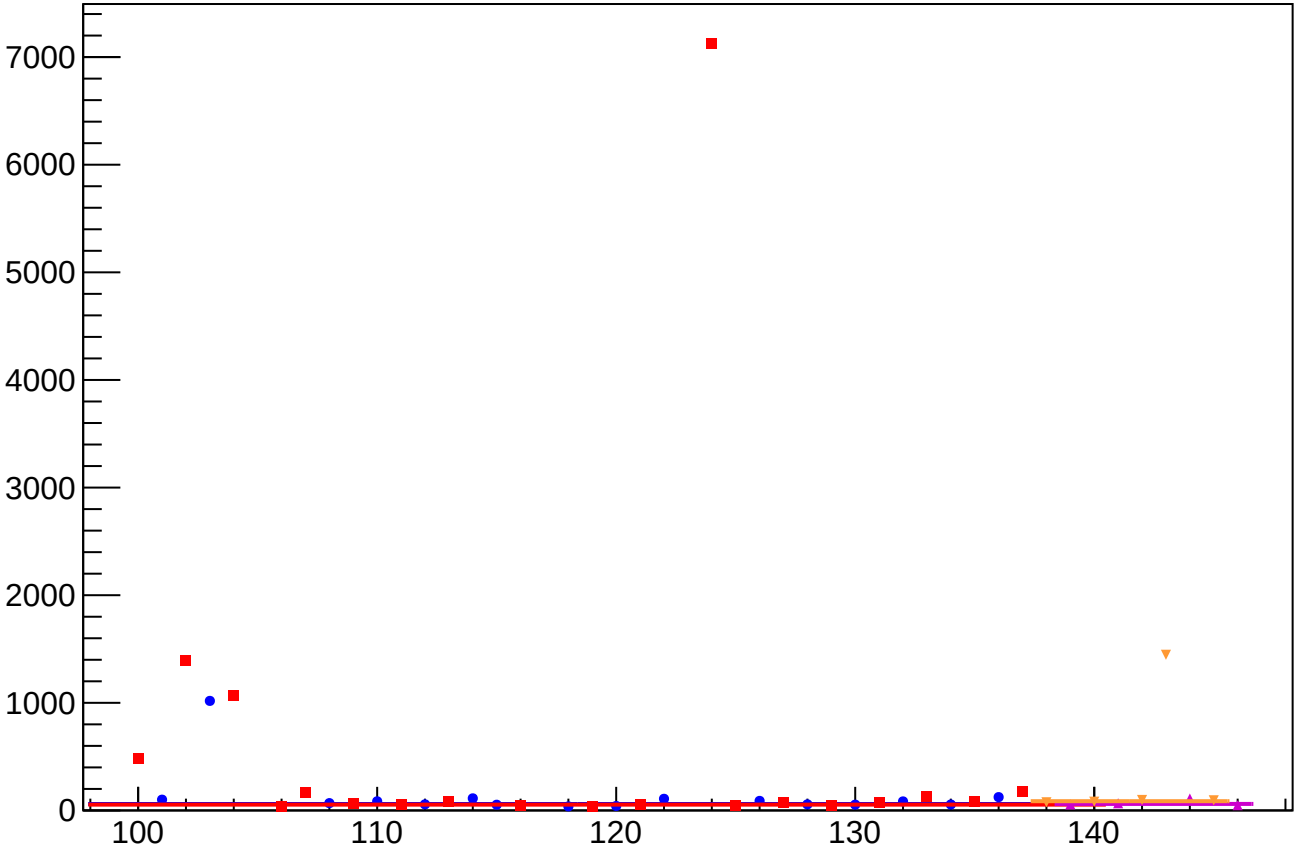
Left In: 0.010+/-0.036 χ^2/NDF:1.1/3

+ sign 0.010+/-0.024 χ^2/NDF: 21.8/20

All: 0.011+/-0.016 χ^2/NDF: 40.5/43

- sign 0.012+/-0.021 χ^2/NDF: 18.7/22

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 86.046+/-0.038 χ^2/NDF:1493985.3/4

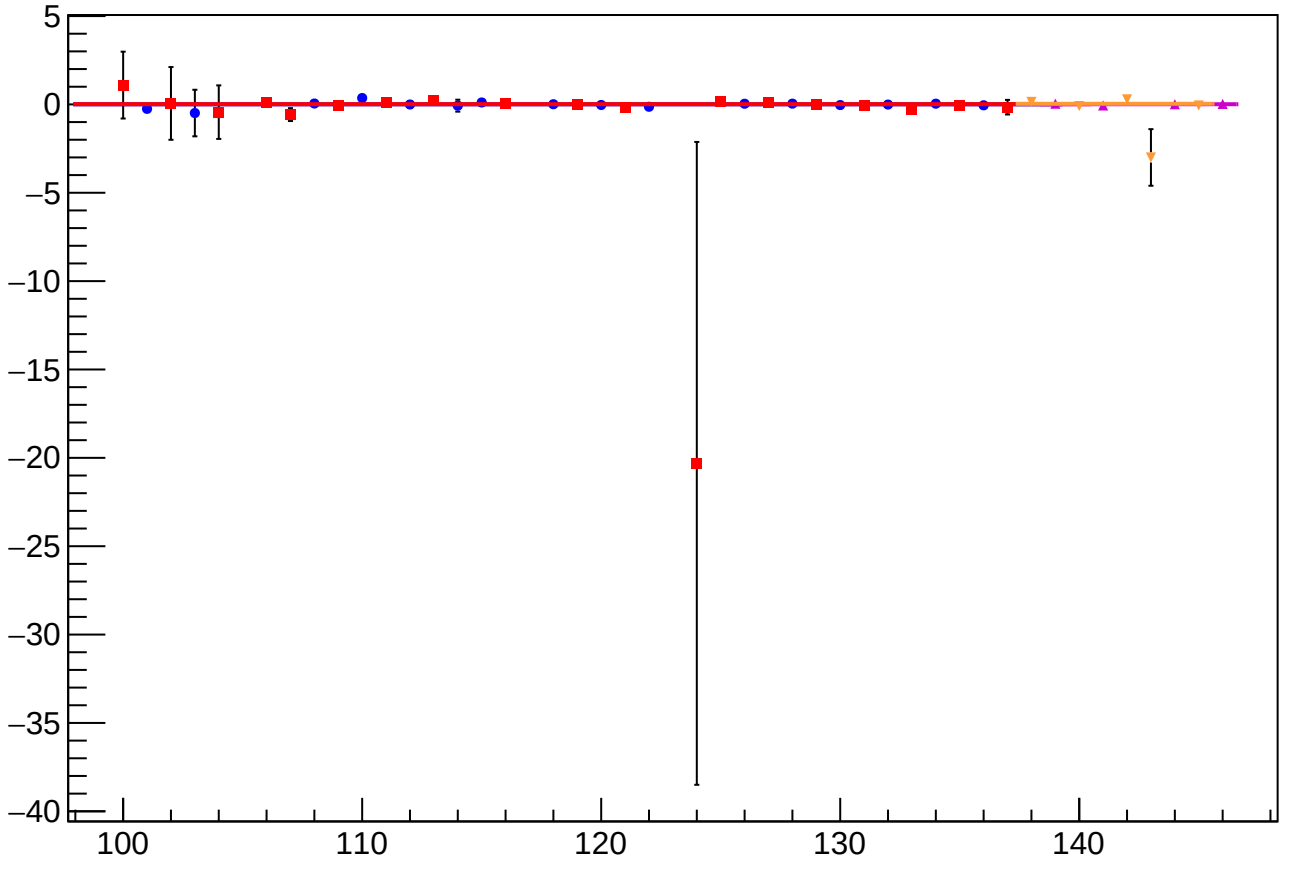
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 60.689+/-0.026 χ^2/NDF:453971.7/3

+ sign 65.003+/-0.017 χ^2/NDF: 4411923.3/20

All: 60.155+/-0.011 χ^2/NDF: 8574636.8/43

- sign 56.424+/-0.015 χ^2/NDF: 4017622.8/22



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.035+/-0.054 χ^2/NDF:10.1/4

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

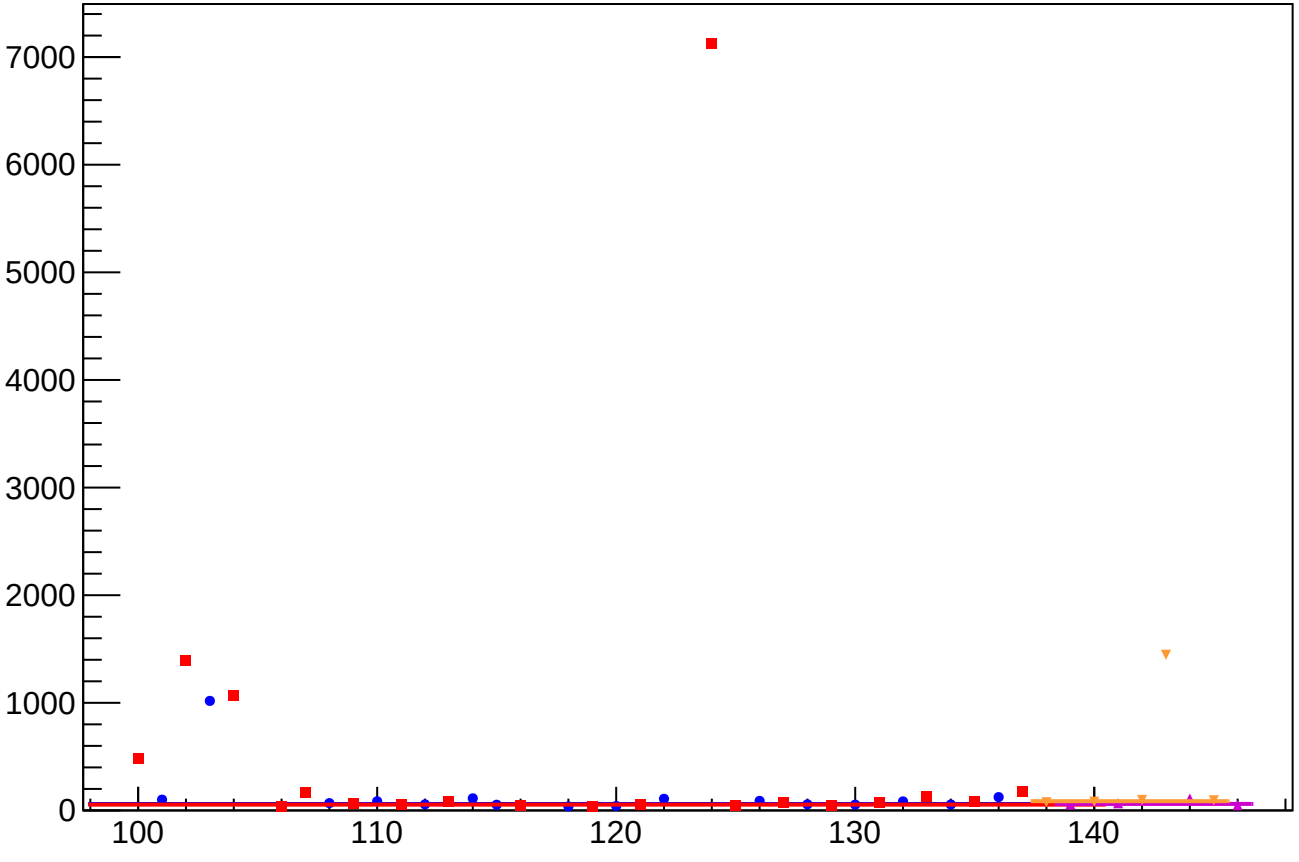
Left In: 0.010+/-0.036 χ^2/NDF:1.1/3

+ sign 0.010+/-0.024 χ^2/NDF: 21.8/20

All: 0.011+/-0.016 χ^2/NDF: 40.5/43

- sign 0.012+/-0.021 χ^2/NDF: 18.7/22

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: 86.046+/-0.038 χ^2/NDF:1493985.3/4

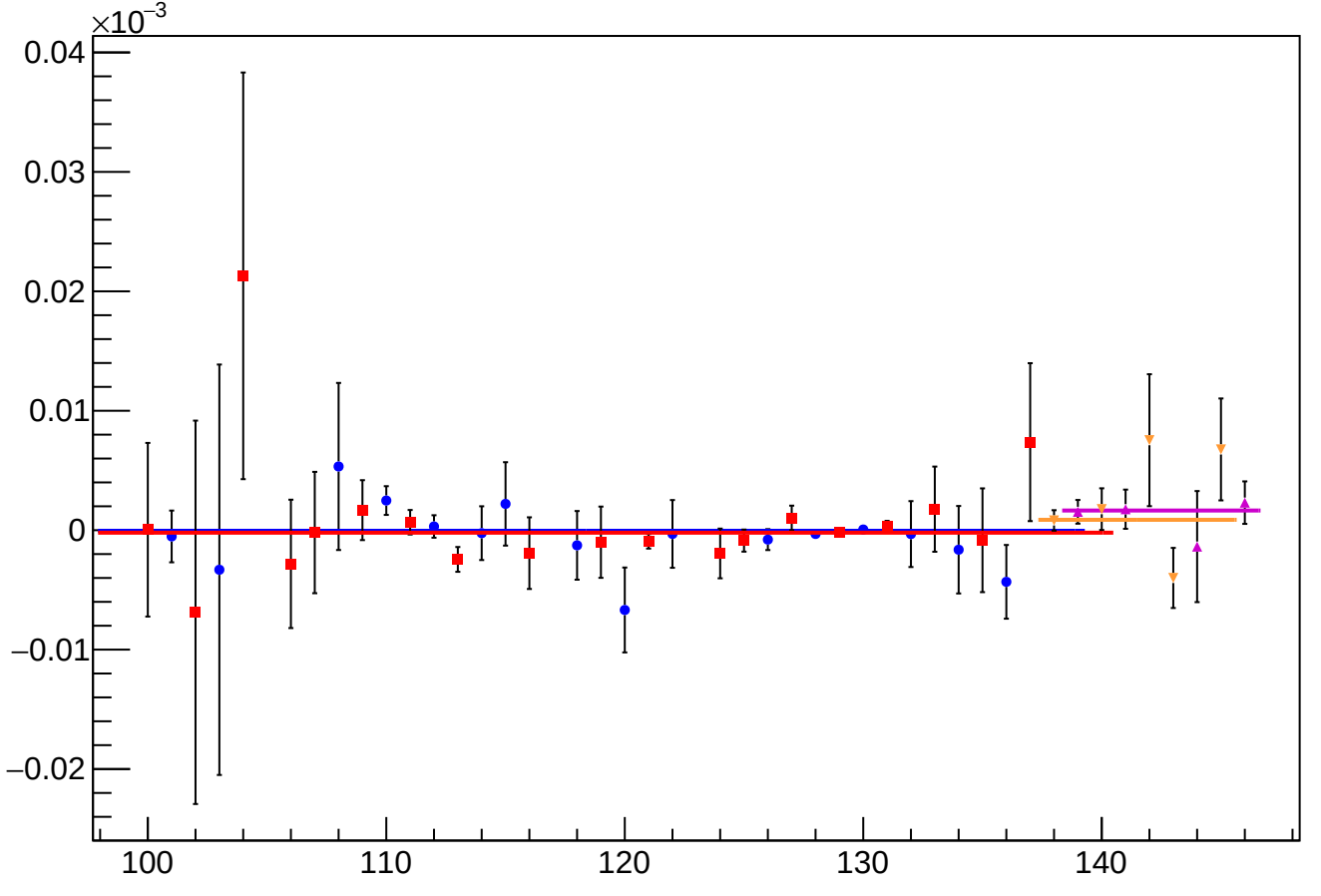
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 60.689+/-0.026 χ^2/NDF:453971.7/3

+ sign 65.003+/-0.017 χ^2/NDF: 4411923.3/20

All: 60.155+/-0.011 χ^2/NDF: 8574636.8/43

- sign 56.424+/-0.015 χ^2/NDF: 4017622.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

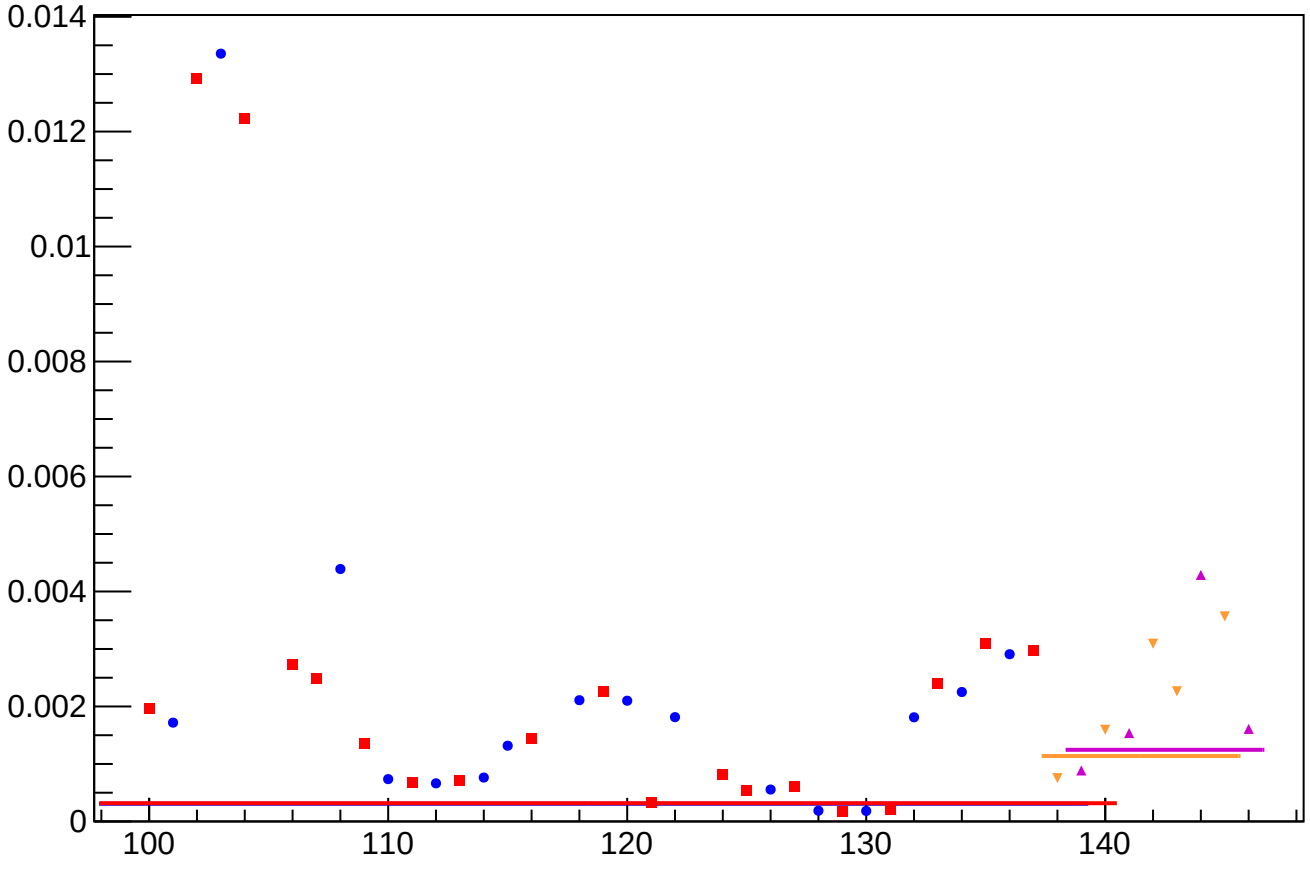
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/20

All: -0.000+/-0.000 χ^2/NDF: 43.8/43

- sign -0.000+/-0.000 χ^2/NDF: 21.9/22

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:1840146.1/4

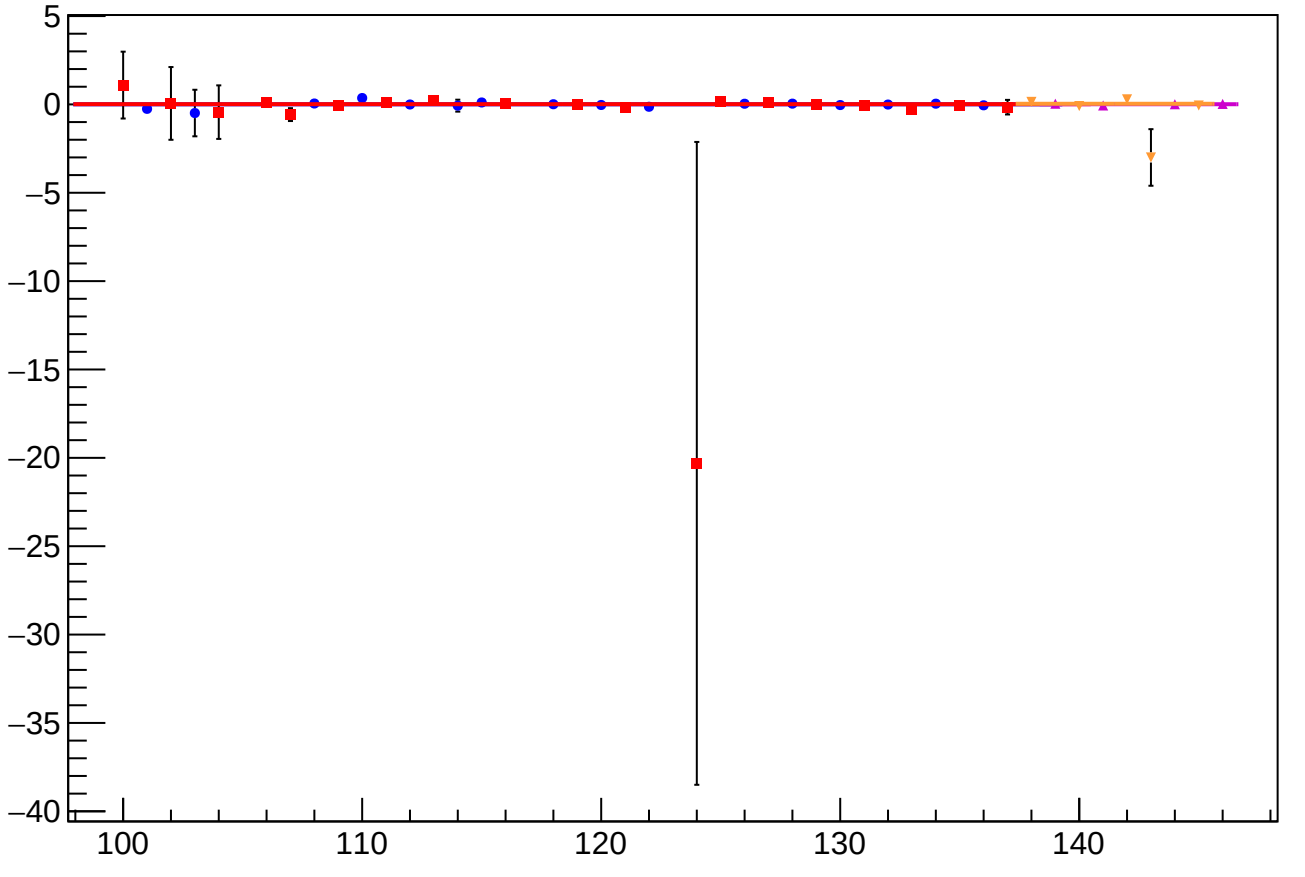
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1264025.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 13085012.3/20

All: 0.000+/-0.000 χ^2/NDF: 25200684.3/43

- sign 0.000+/-0.000 χ^2/NDF: 12113131.6/22



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.035+/-0.054 χ^2/NDF:10.1/4

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

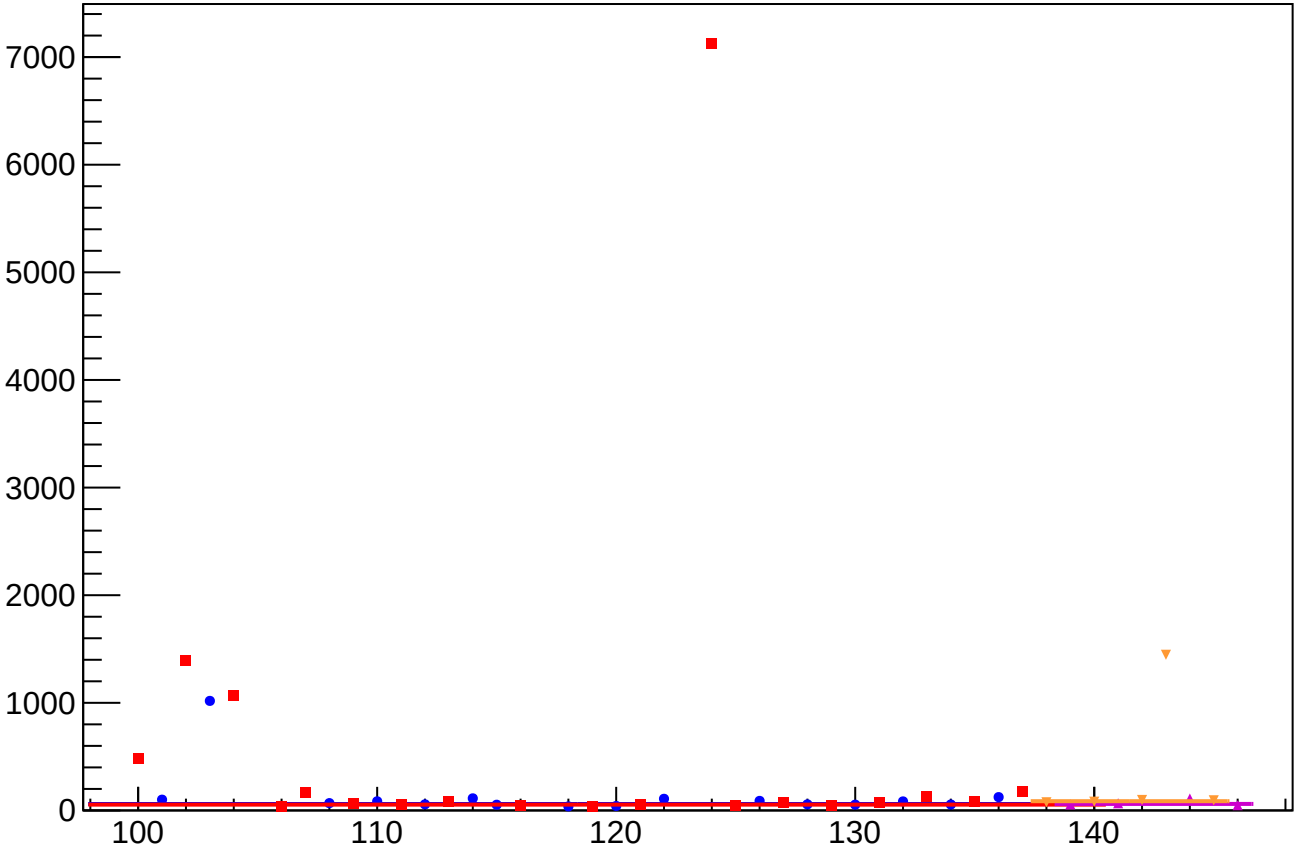
Left In: 0.010+/-0.036 χ^2/NDF:1.1/3

+ sign 0.010+/-0.024 χ^2/NDF: 21.8/20

All: 0.011+/-0.016 χ^2/NDF: 40.5/43

- sign 0.012+/-0.021 χ^2/NDF: 18.7/22

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: 86.045+/-0.038 χ^2/NDF:1493985.0/4

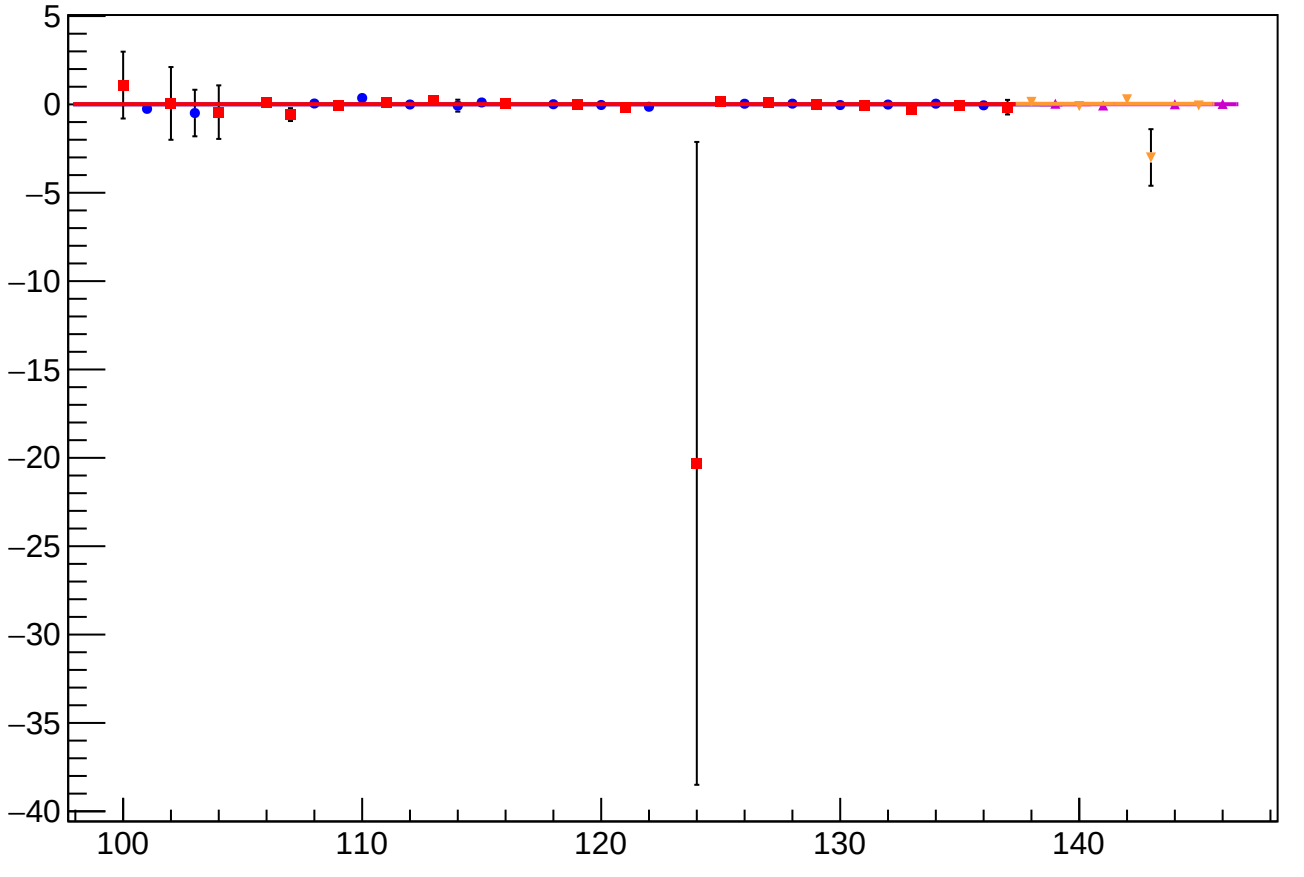
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 60.689+/-0.026 χ^2/NDF:453977.1/3

+ sign 65.002+/-0.017 χ^2/NDF: 4411939.2/20

All: 60.154+/-0.011 χ^2/NDF: 8574751.3/43

- sign 56.424+/-0.015 χ^2/NDF: 4017700.4/22



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.035+/-0.054 χ^2/NDF:10.1/4

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

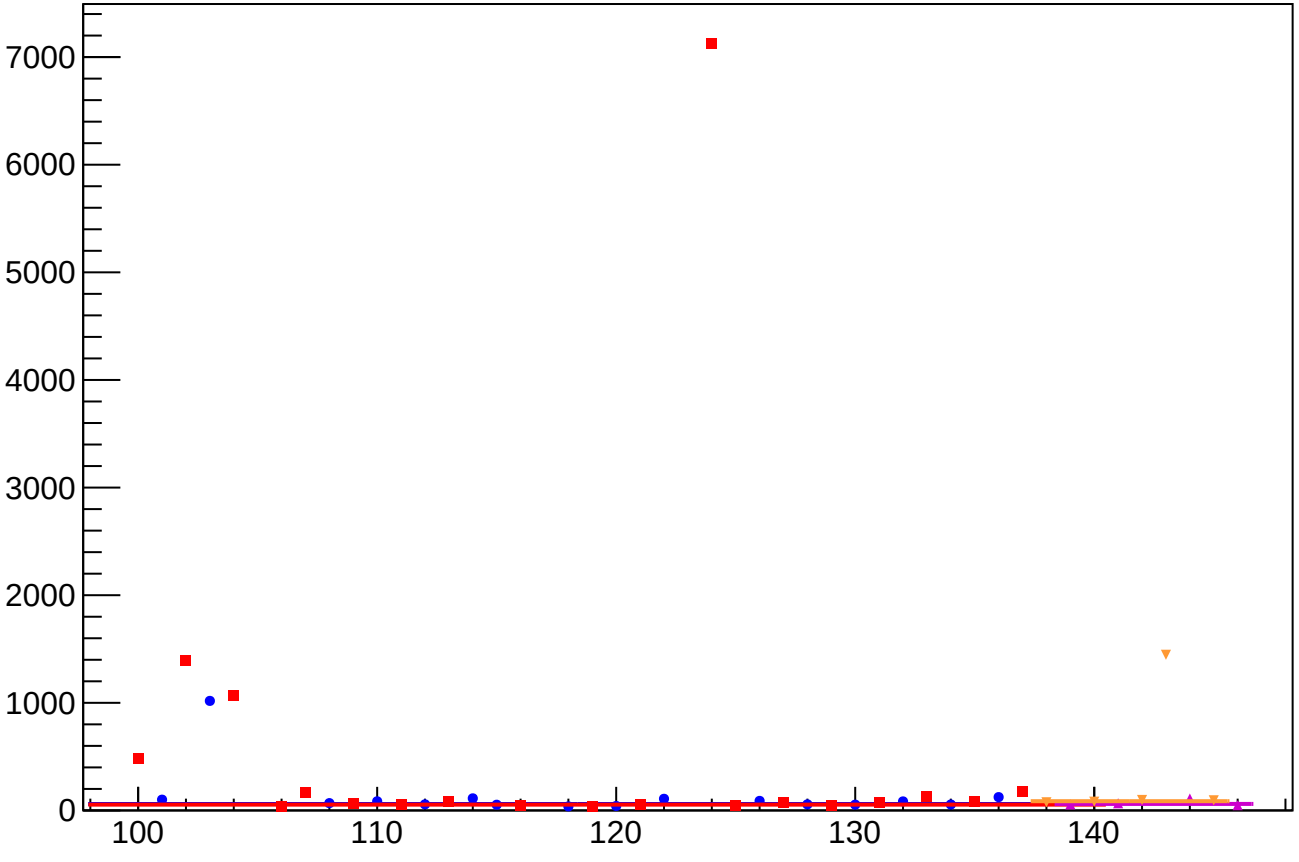
Left In: 0.010+/-0.036 χ^2/NDF:1.1/3

+ sign 0.010+/-0.024 χ^2/NDF: 21.8/20

All: 0.011+/-0.016 χ^2/NDF: 40.5/43

- sign 0.012+/-0.021 χ^2/NDF: 18.7/22

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: 86.045+/-0.038 χ^2/NDF:1493985.0/4

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

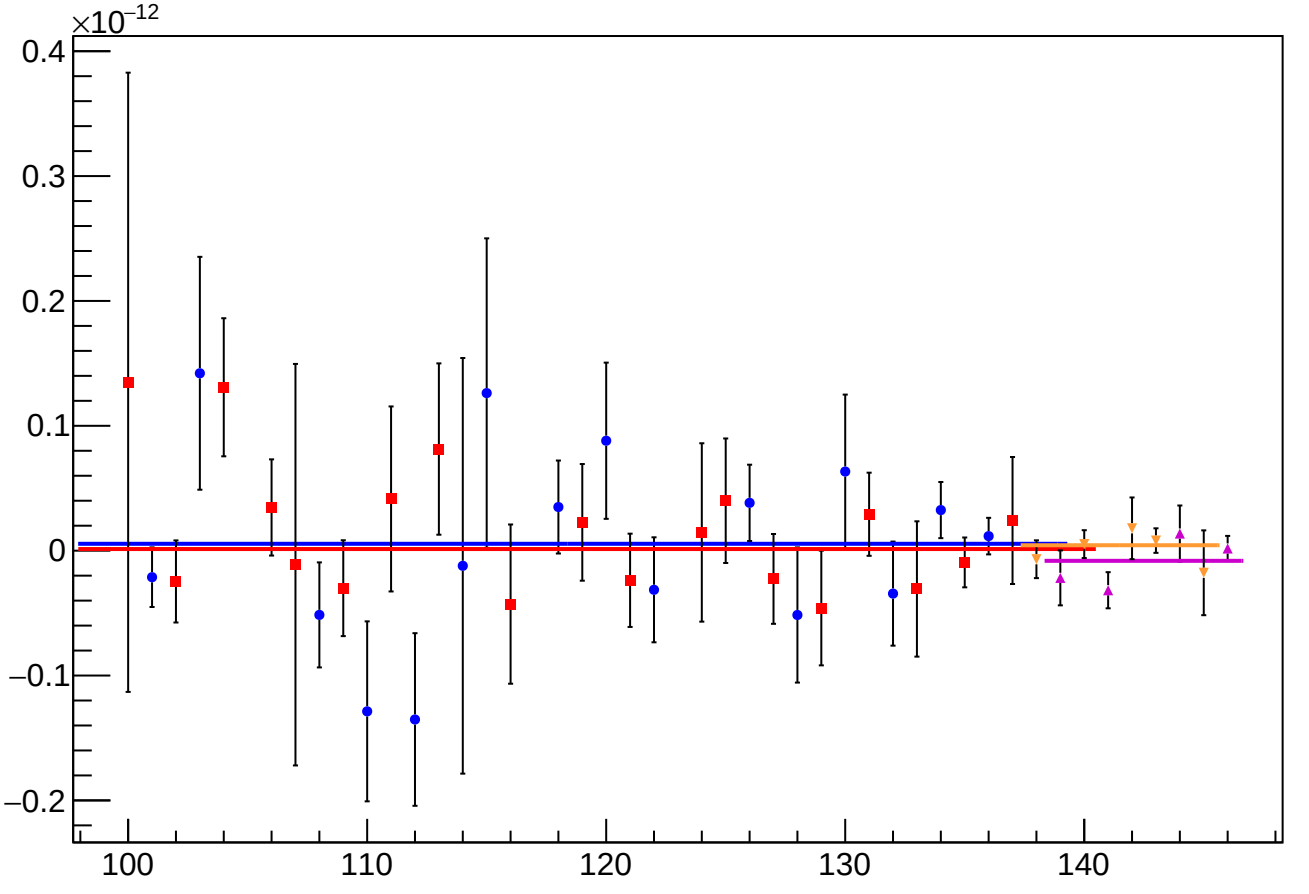
Left In: 60.689+/-0.026 χ^2/NDF:453977.1/3

+ sign 65.002+/-0.017 χ^2/NDF: 4411939.2/20

All: 60.154+/-0.011 χ^2/NDF: 8574751.3/43

- sign 56.424+/-0.015 χ^2/NDF: 4017700.4/22

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:1.4/4

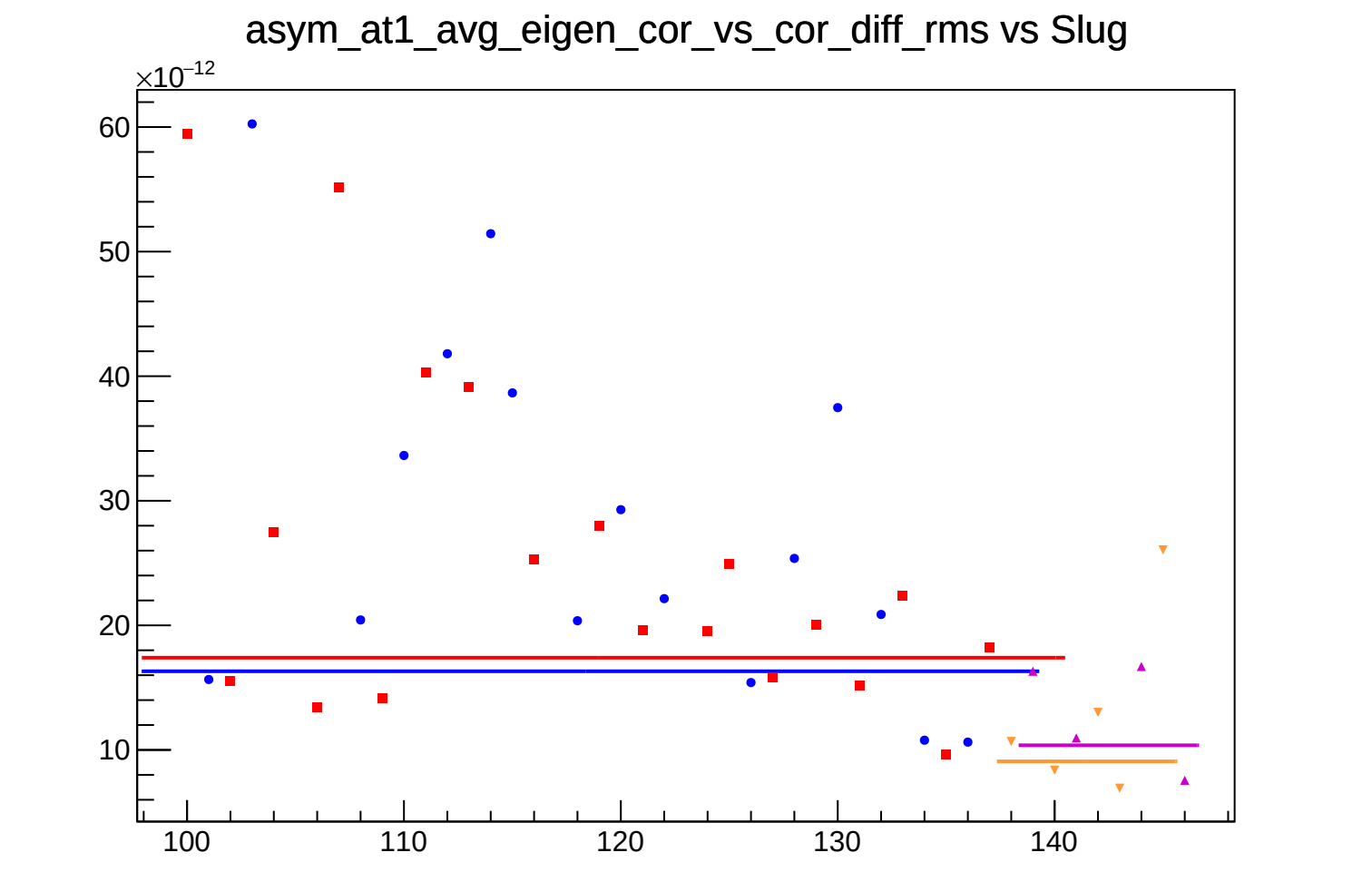
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/3

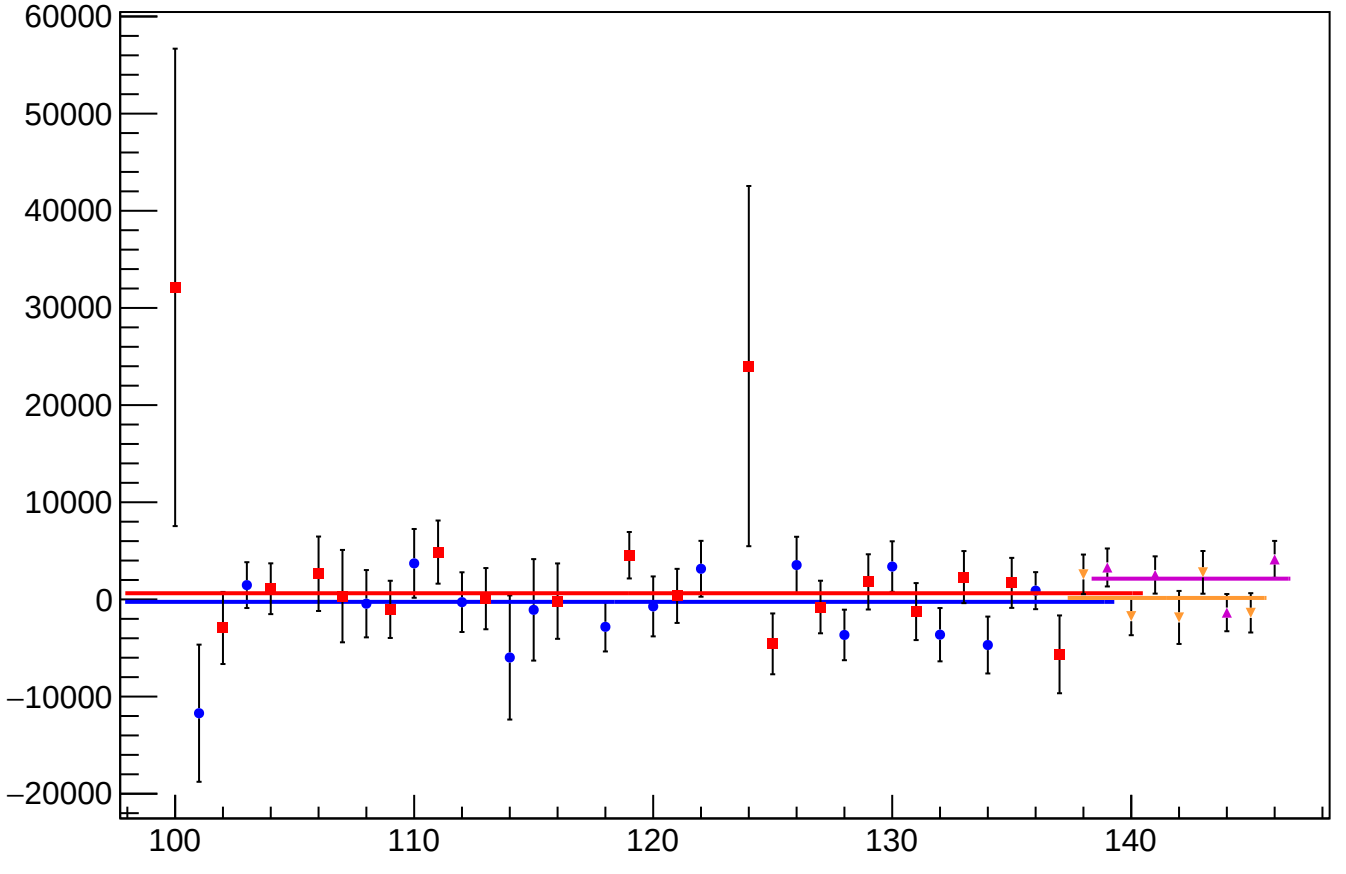
+ sign 0.000+/-0.000 χ^2/NDF: 24.0/20

All: 0.000+/-0.000 χ^2/NDF: 45.4/43

- sign -0.000+/-0.000 χ^2/NDF: 19.8/22


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:676880.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:463110.2/3
+ sign 0.000+/-0.000 χ²/NDF: 3487222.7/20
All: 0.000+/-0.000 χ²/NDF: 5867691.8/43
- sign 0.000+/-0.000 χ²/NDF: 2322958.0/22

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 150.798+/-959.264 χ^2/NDF:4.9/4

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

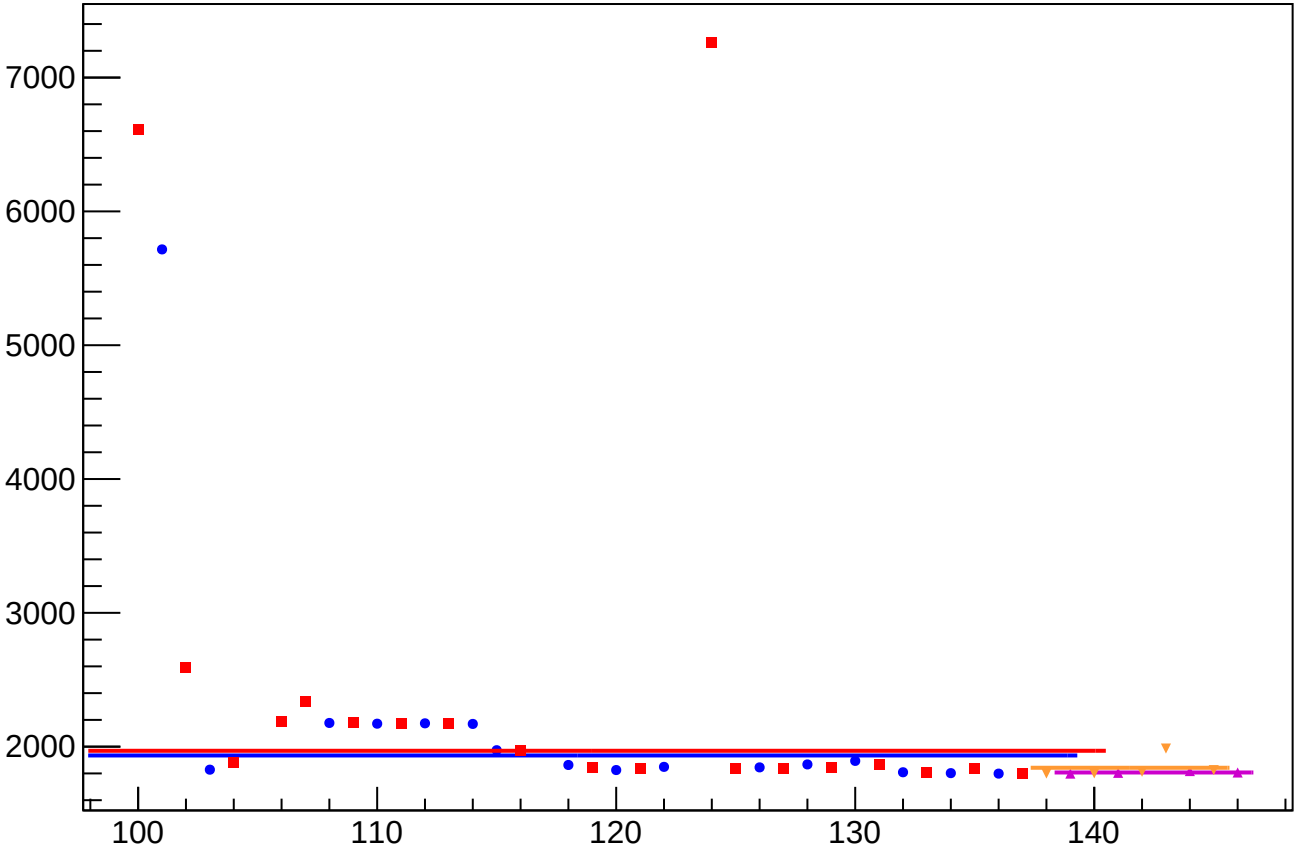
Left In: 2135.952+/-961.204 χ^2/NDF:4.8/3

+ sign -102.529+/-583.484 χ^2/NDF: 22.3/20

All: 543.023+/-412.804 χ^2/NDF: 46.9/43

- sign 1189.945+/-584.103 χ^2/NDF: 22.2/22

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1842.301+/-0.678 χ^2/NDF:10738.3/4

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

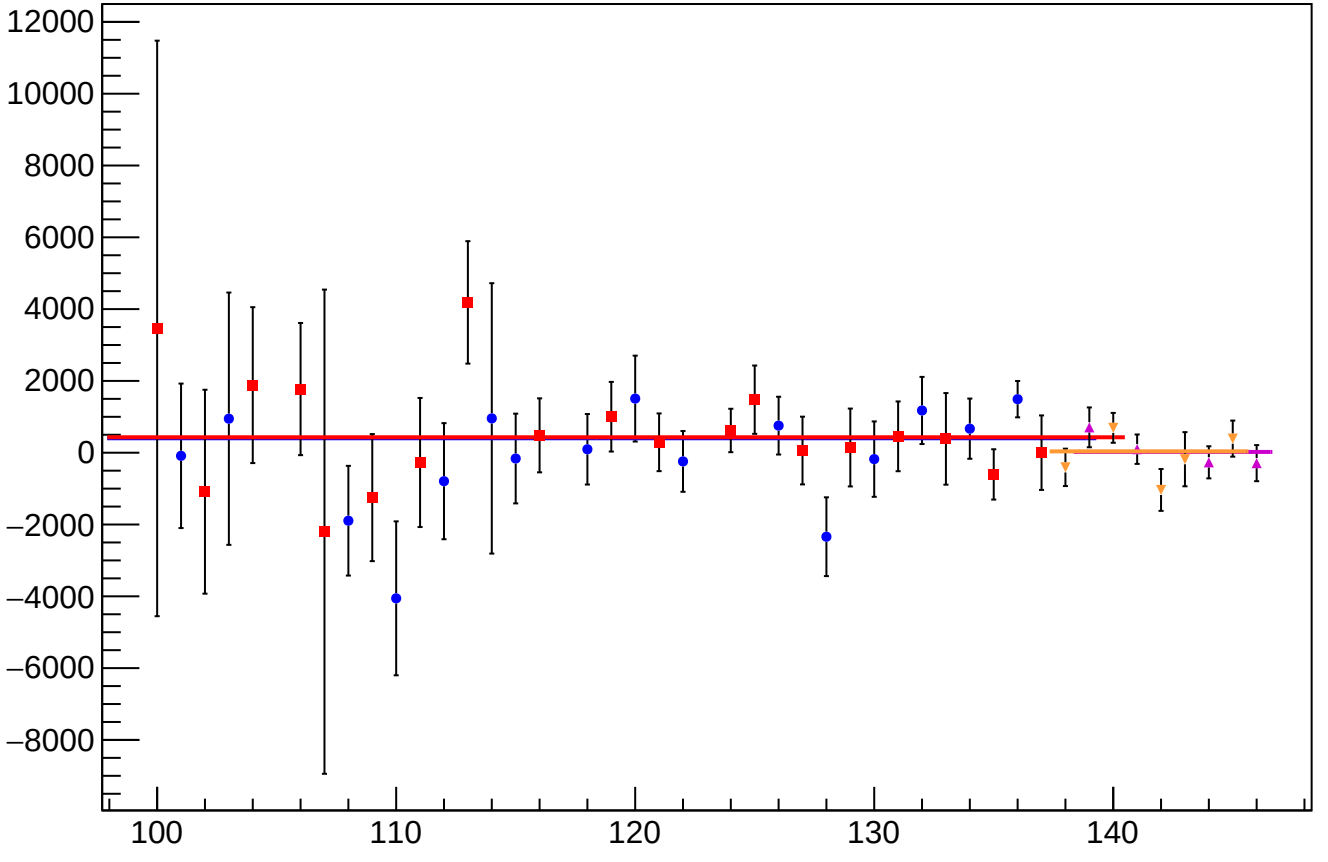
Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

+ sign 1900.209+/-0.413 χ^2/NDF: 662227.0/20

All: 1904.761+/-0.292 χ^2/NDF: 1076855.0/43

- sign 1909.322+/-0.413 χ^2/NDF: 414384.3/22

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 37.770+/-234.818 χ^2/NDF:7.2/4

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

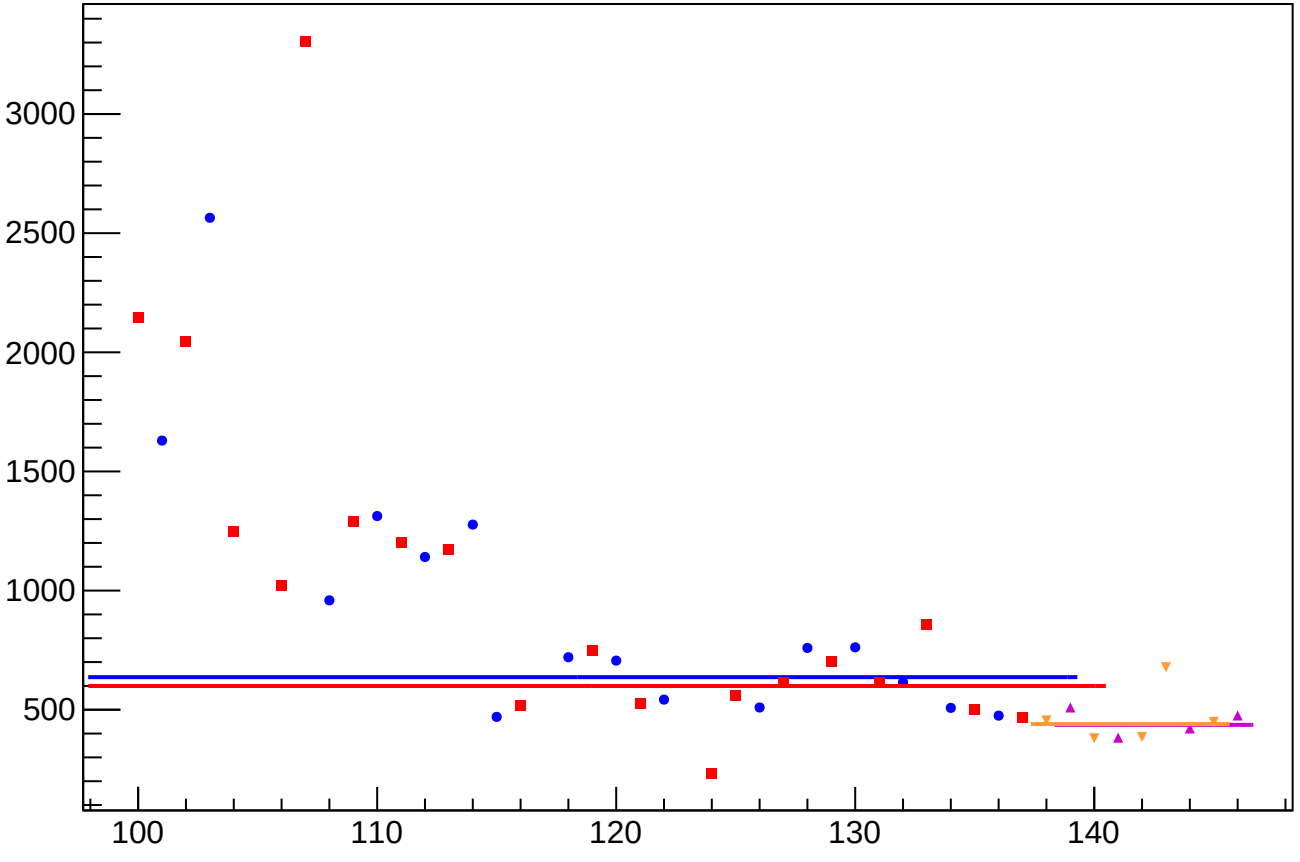
Left In: 21.818+/-234.599 χ^2/NDF:2.4/3

\+ sign 202.671+/-173.835 χ^2/NDF: 29.4/20

All: 206.728+/-122.255 χ^2/NDF: 44.9/43

\- sign 210.699+/-171.969 χ^2/NDF: 15.5/22

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 439.846+/-0.166 χ^2/NDF:261711.2/4

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

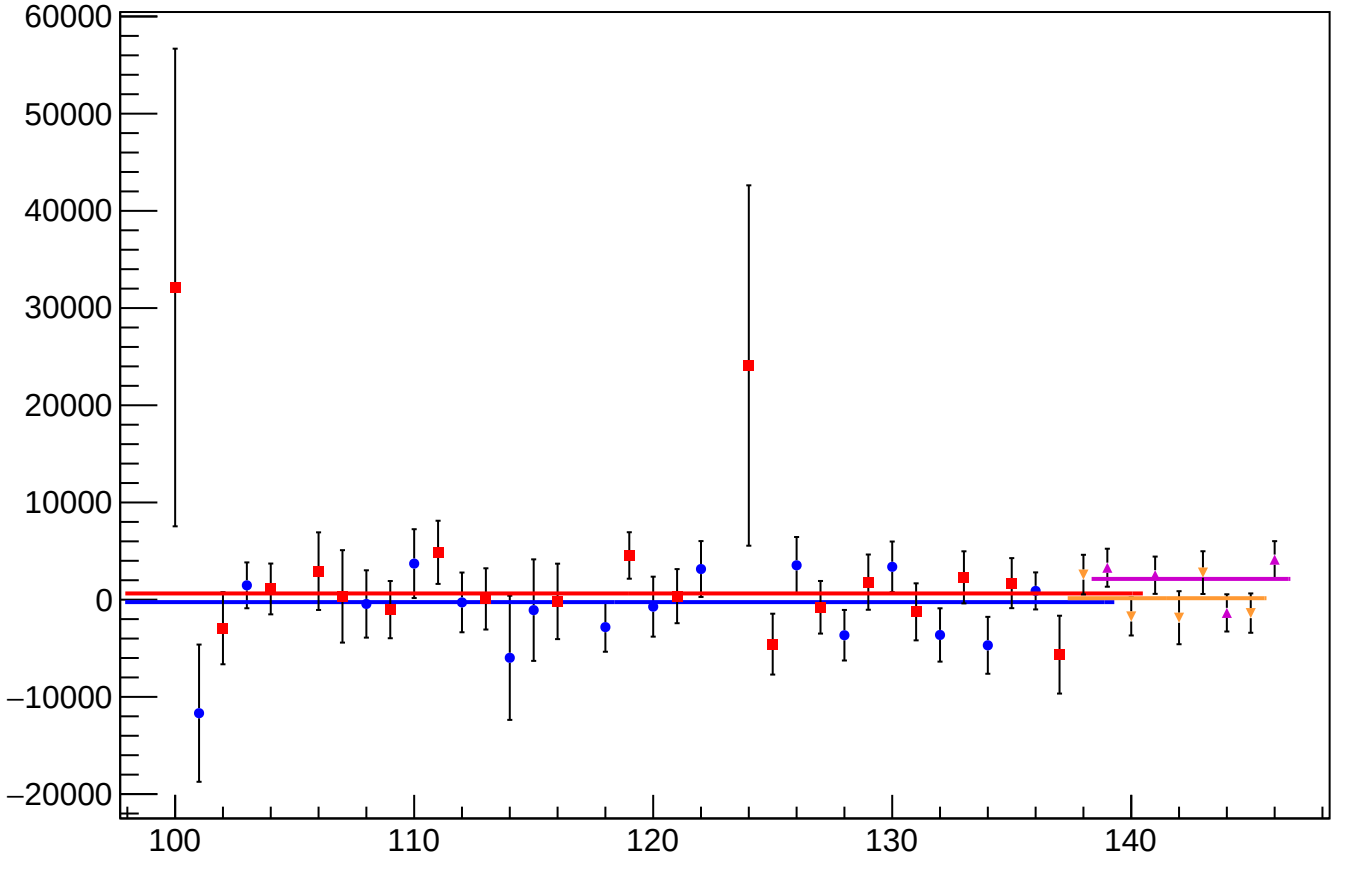
Left In: 436.407+/-0.166 χ^2/NDF:83698.8/3

+ sign 528.817+/-0.123 χ^2/NDF: 2963871.7/20

All: 520.280+/-0.086 χ^2/NDF: 6449146.0/43

- sign 511.925+/-0.122 χ^2/NDF: 3475730.0/22

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 150.704+/-959.264 χ^2/NDF:4.9/4

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

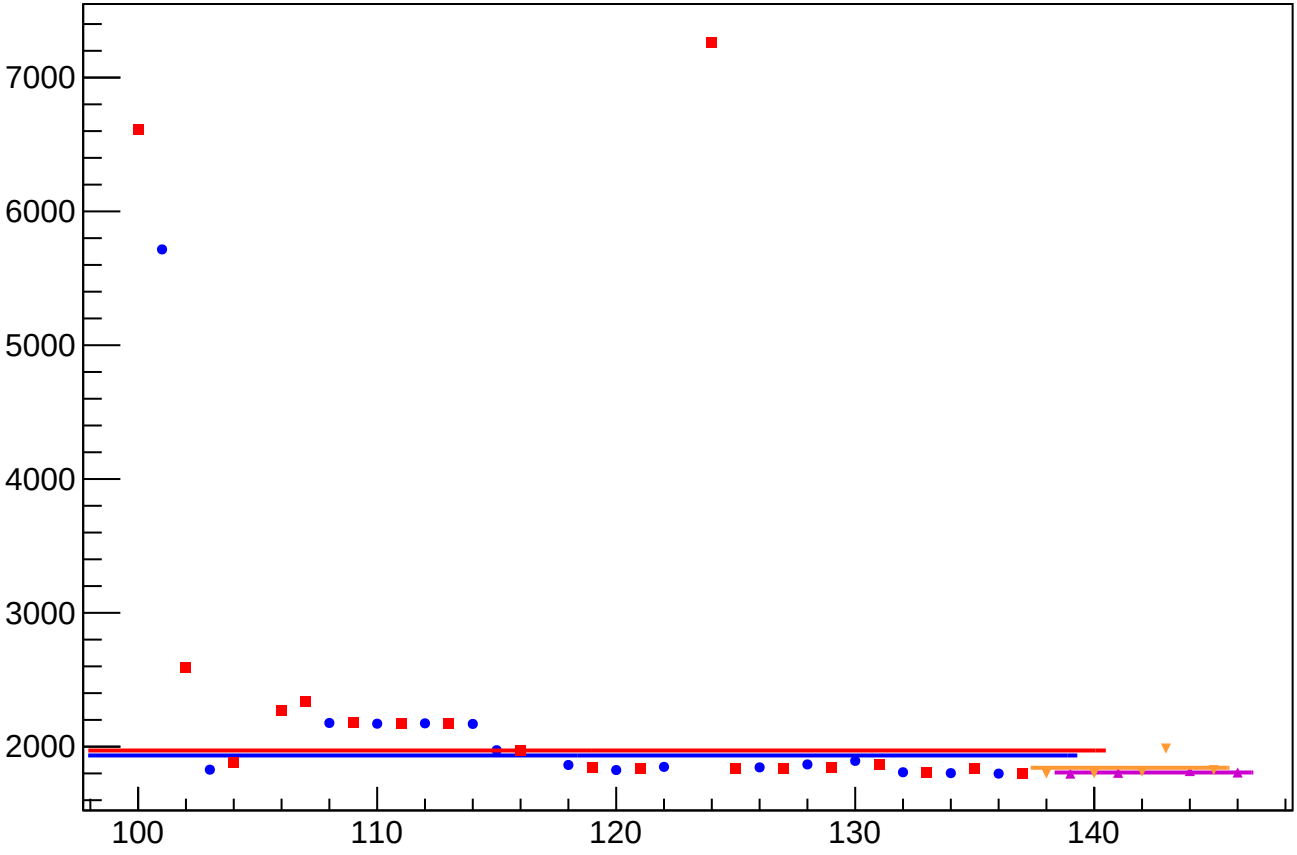
Left In: 2136.010+/-961.204 χ^2/NDF:4.8/3

+ sign -102.053+/-583.484 χ^2/NDF: 22.2/20

All: 544.690+/-412.994 χ^2/NDF: 47.0/43

- sign 1193.997+/-584.640 χ^2/NDF: 22.3/22

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1842.301+/-0.678 χ^2/NDF:10738.3/4

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

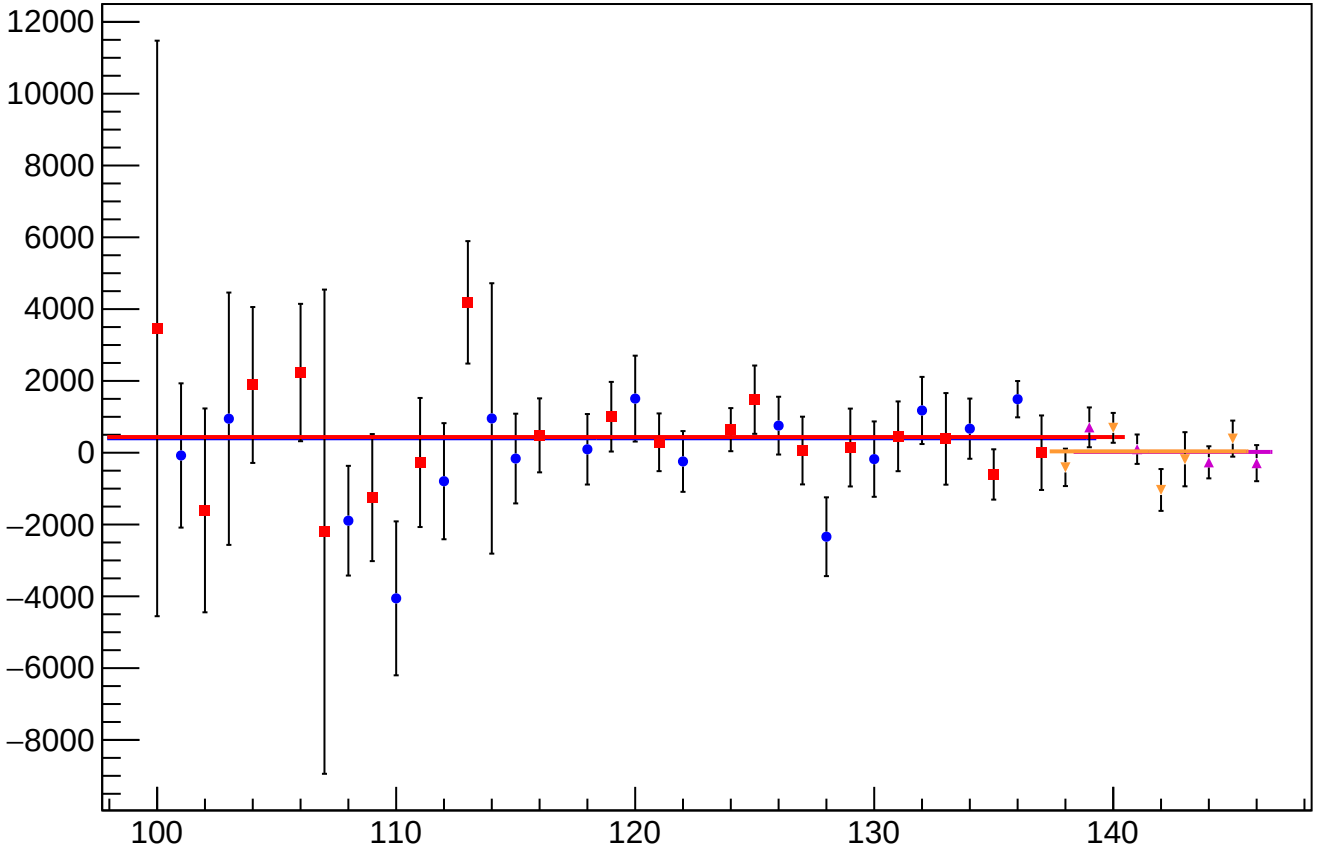
Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

+ sign 1900.209+/-0.413 χ^2/NDF: 662226.9/20

All: 1905.379+/-0.292 χ^2/NDF: 1082643.5/43

- sign 1910.569+/-0.413 χ^2/NDF: 420101.9/22

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 37.673+/-234.823 χ^2/NDF:7.2/4

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

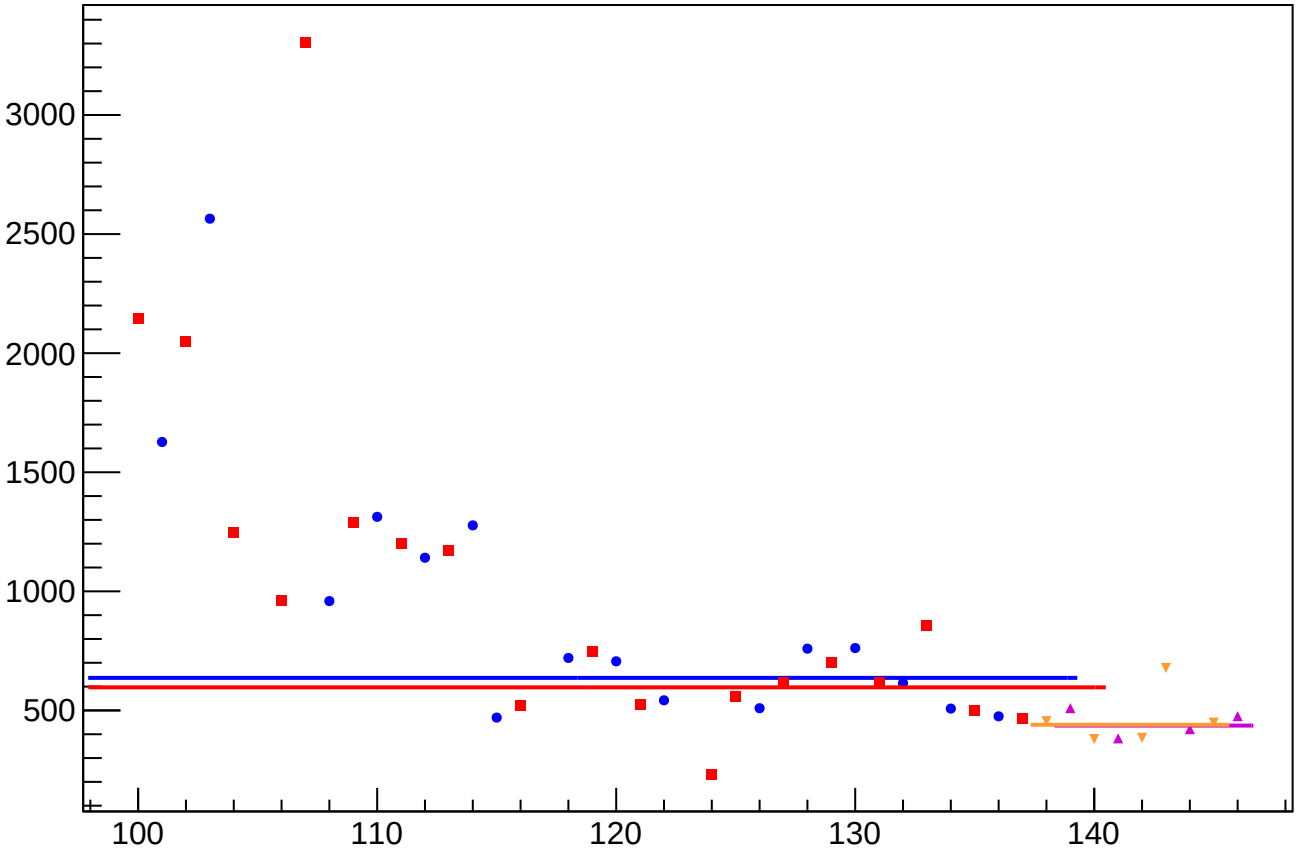
Left In: 21.924+/-234.594 χ^2/NDF:2.4/3

+ sign 202.663+/-173.833 χ^2/NDF: 29.4/20

All: 208.364+/-122.236 χ^2/NDF: 45.6/43

- sign 213.940+/-171.919 χ^2/NDF: 16.2/22

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 439.857+/-0.166 χ^2/NDF:261674.8/4

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

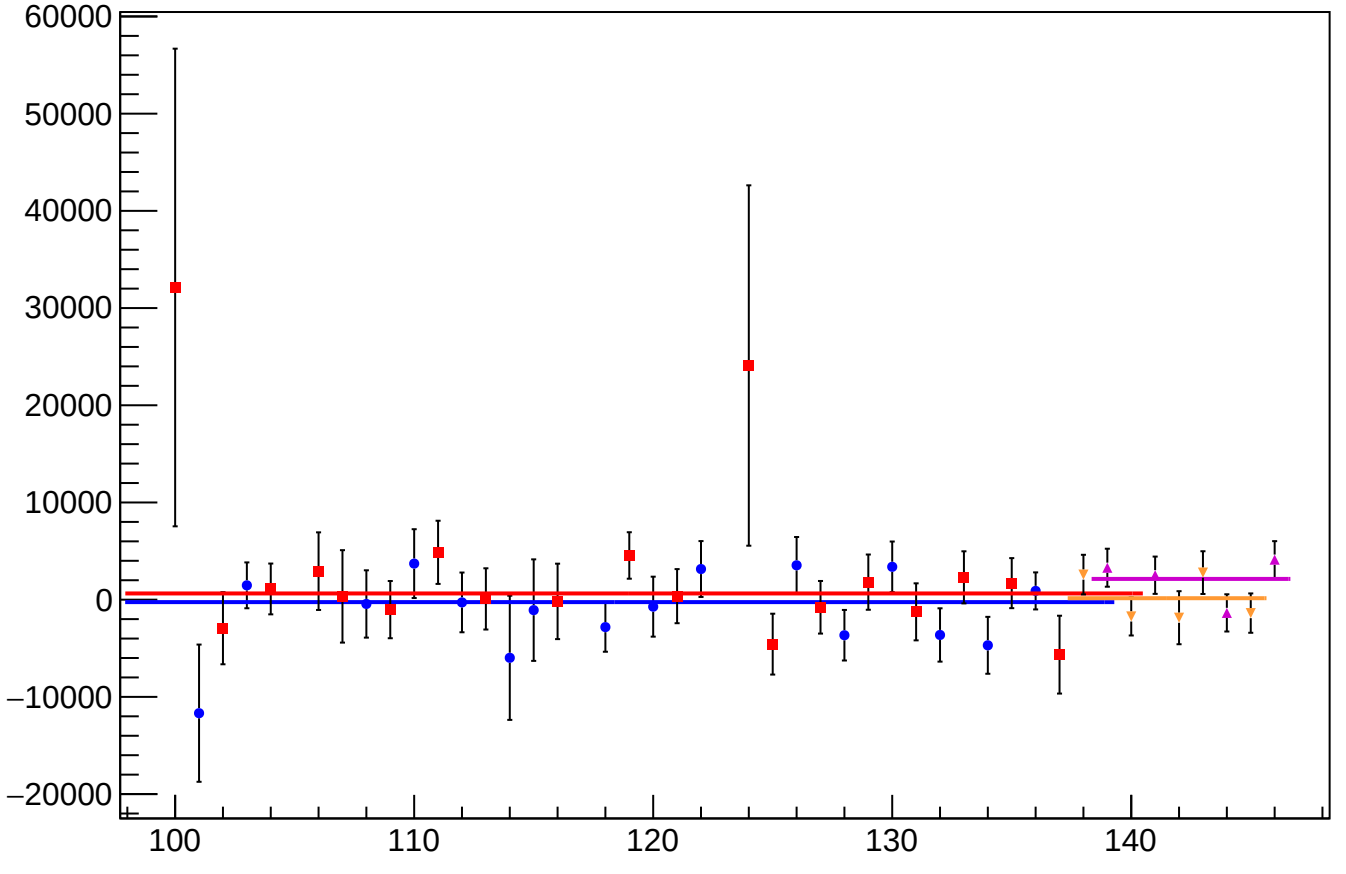
Left In: 436.398+/-0.166 χ^2/NDF:83697.7/3

+ sign 528.828+/-0.123 χ^2/NDF: 2962903.2/20

All: 519.656+/-0.086 χ^2/NDF: 6421251.7/43

- sign 510.685+/-0.122 χ^2/NDF: 3447335.2/22

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 150.704+/-959.264 χ^2/NDF:4.9/4

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

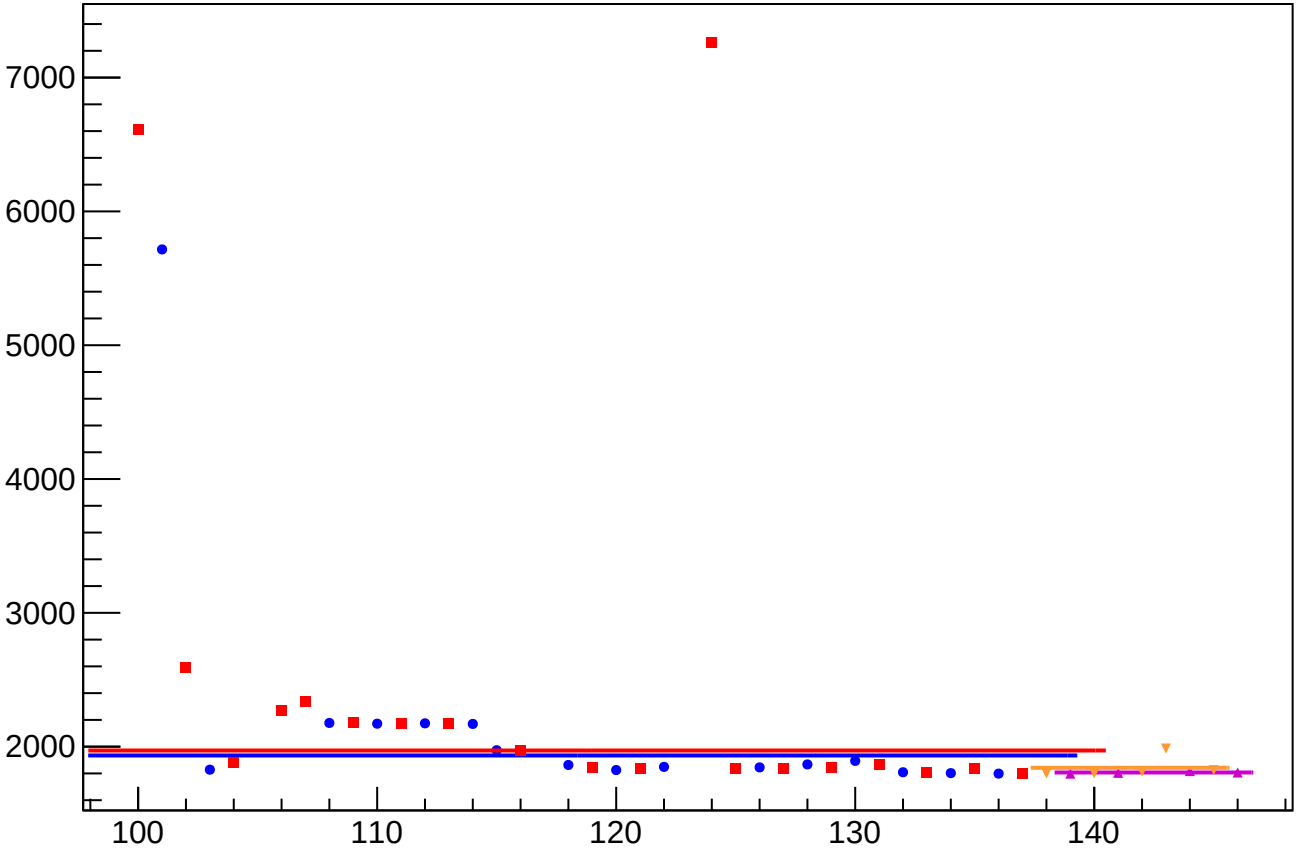
Left In: 2136.010+/-961.204 χ^2/NDF:4.8/3

+ sign -102.053+/-583.484 χ^2/NDF: 22.2/20

All: 544.690+/-412.994 χ^2/NDF: 47.0/43

- sign 1193.997+/-584.640 χ^2/NDF: 22.3/22

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1842.301+/-0.678 χ^2/NDF:10738.3/4

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

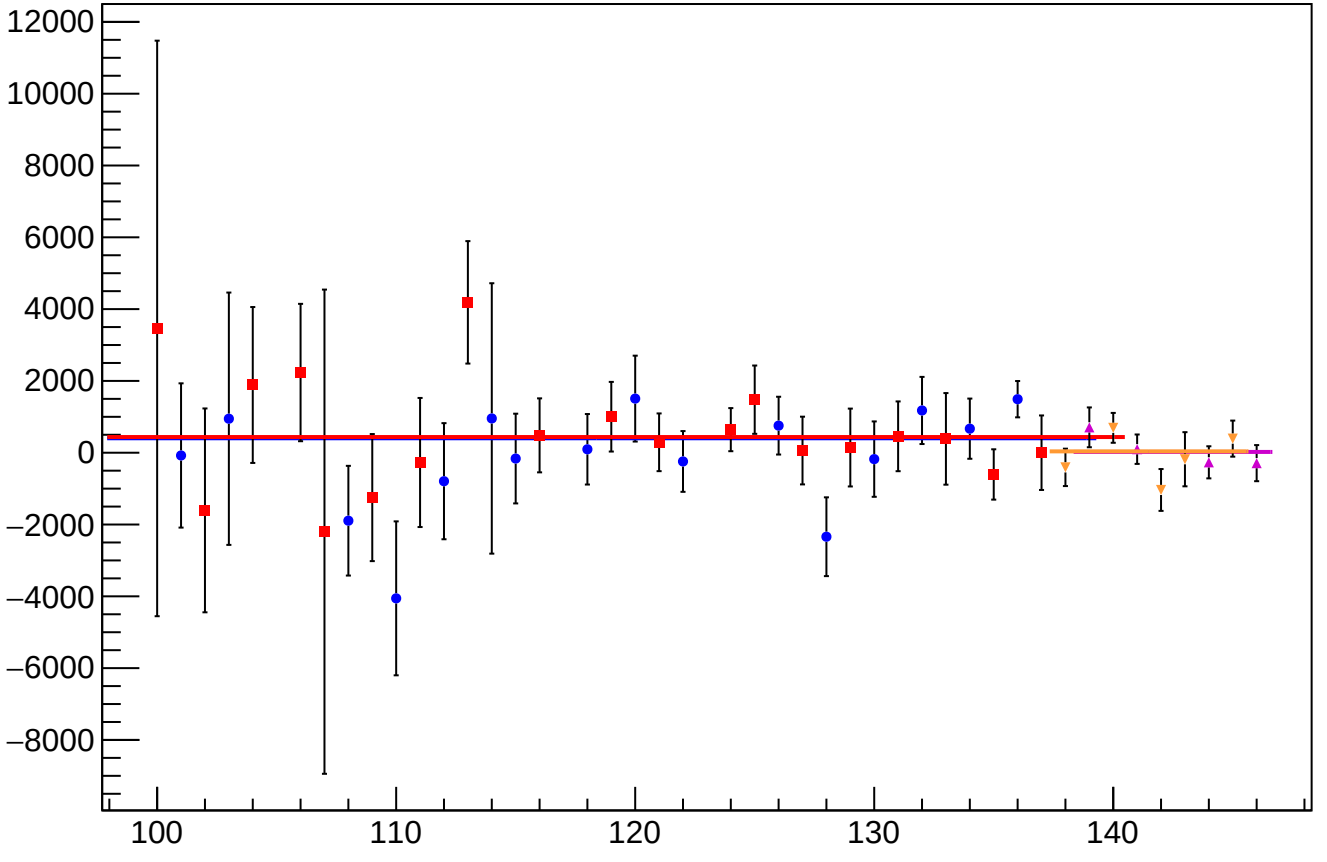
Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

+ sign 1900.209+/-0.413 χ^2/NDF: 662226.9/20

All: 1905.379+/-0.292 χ^2/NDF: 1082643.5/43

- sign 1910.569+/-0.413 χ^2/NDF: 420101.9/22

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 37.673+/-234.823 χ^2/NDF:7.2/4

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

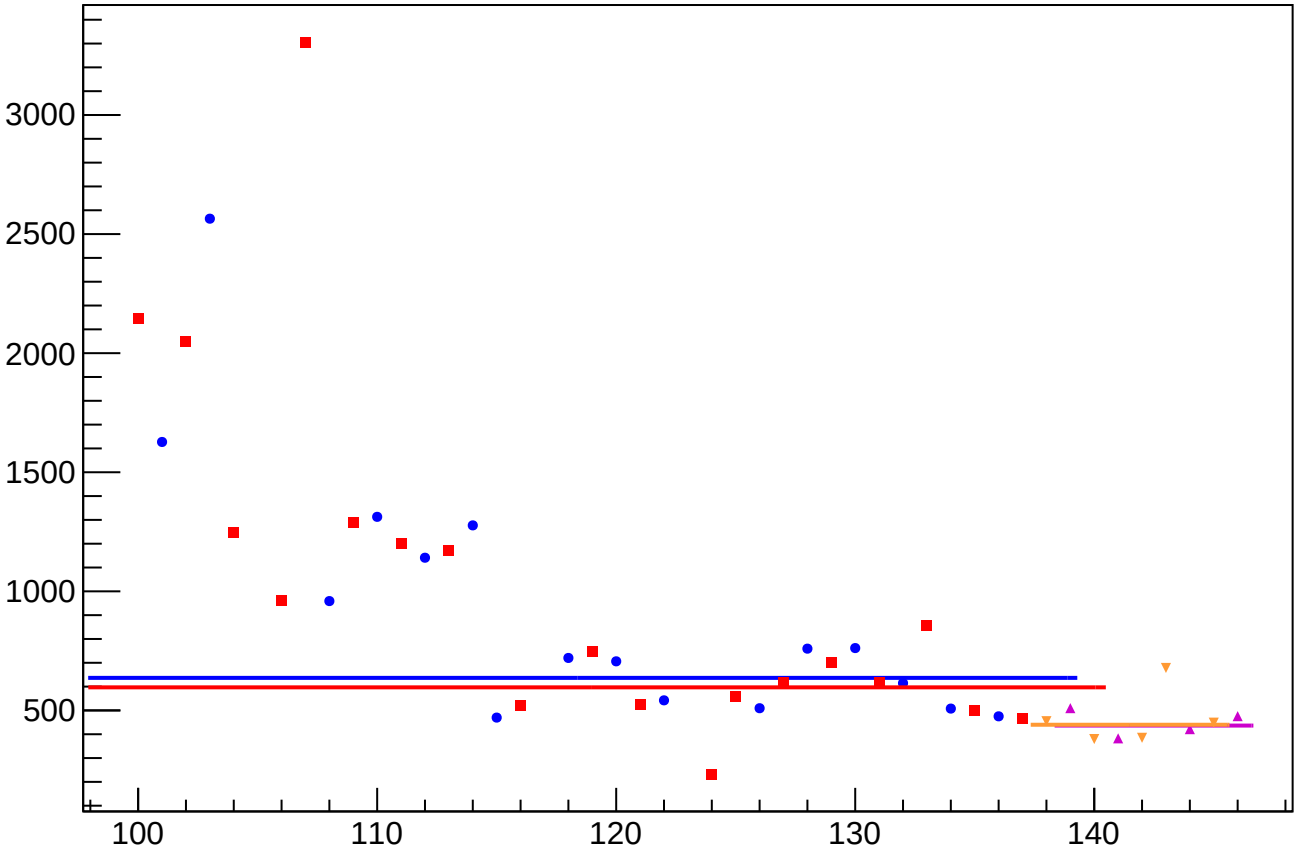
Left In: 21.924+/-234.594 χ^2/NDF:2.4/3

+ sign 202.663+/-173.833 χ^2/NDF: 29.4/20

All: 208.364+/-122.236 χ^2/NDF: 45.6/43

- sign 213.940+/-171.919 χ^2/NDF: 16.2/22

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 439.857+/-0.166 χ^2/NDF:261674.8/4

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

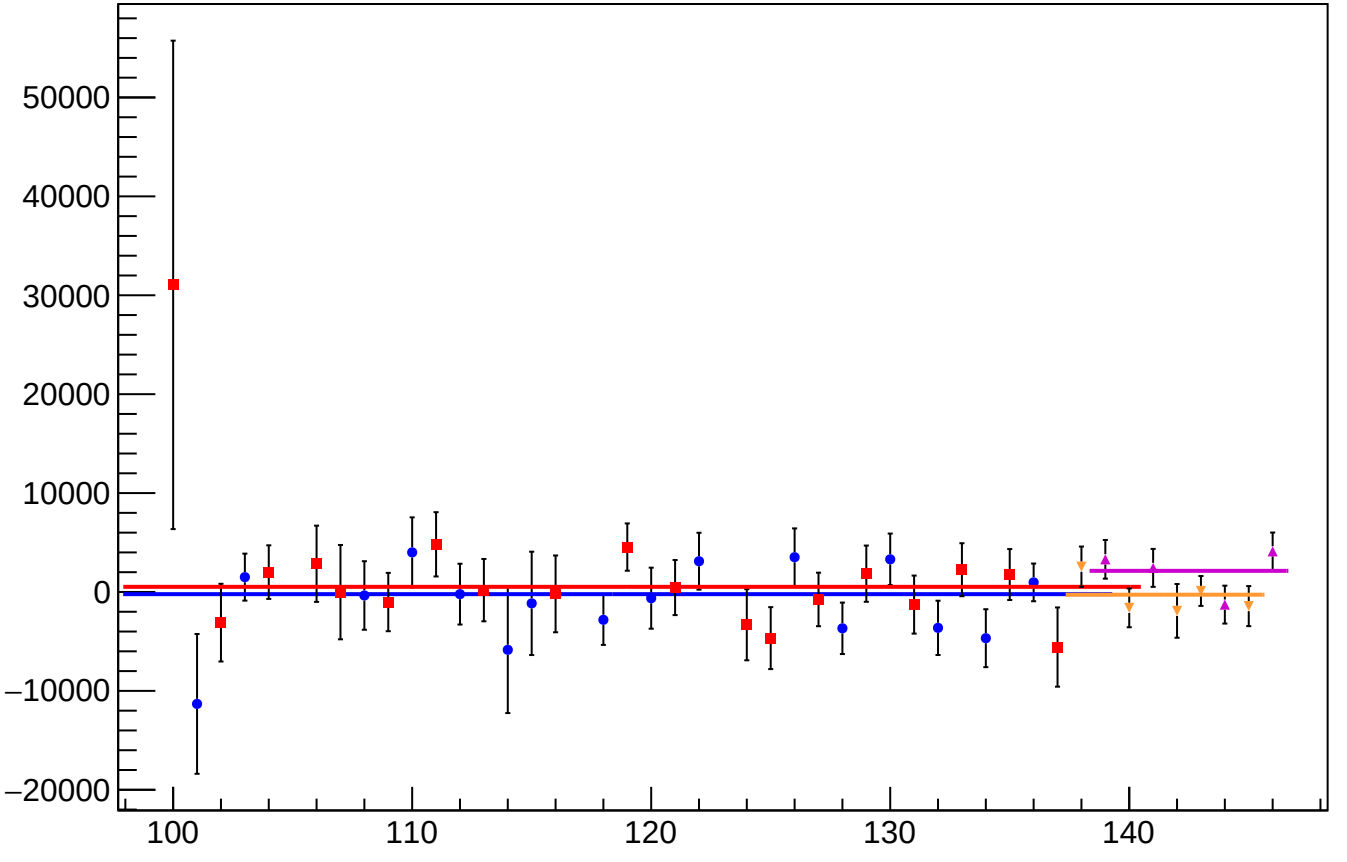
Left In: 436.398+/-0.166 χ^2/NDF:83697.7/3

+ sign 528.828+/-0.123 χ^2/NDF: 2962903.2/20

All: 519.656+/-0.086 χ^2/NDF: 6421251.7/43

- sign 510.685+/-0.122 χ^2/NDF: 3447335.2/22

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -275.515+/-870.733 χ^2/NDF:3.1/4

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

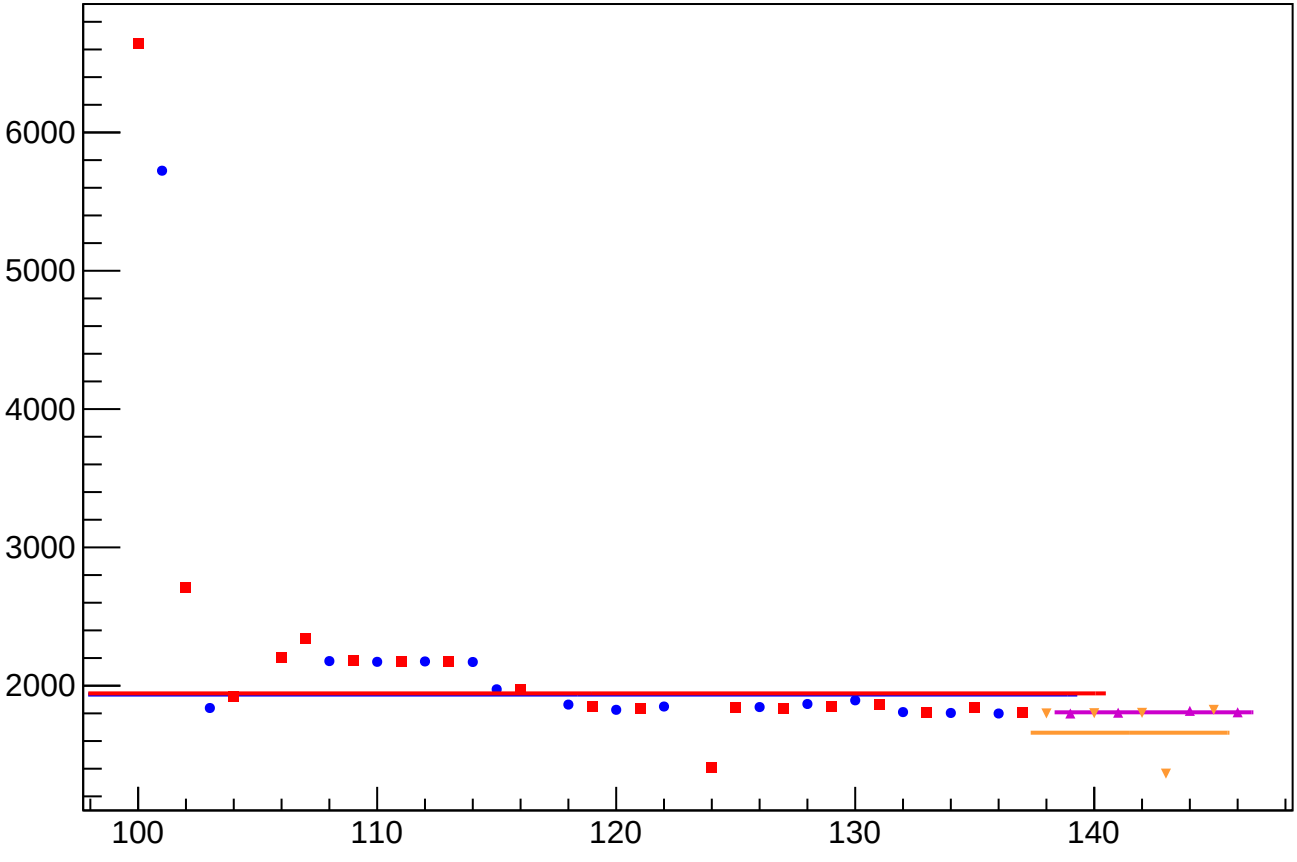
Left In: 2136.935+/-961.560 χ^2/NDF:4.6/3

+ sign -243.360+/-562.049 χ^2/NDF: 20.3/20

All: 411.513+/-403.248 χ^2/NDF: 45.1/43

- sign 1106.197+/-578.881 χ^2/NDF: 22.0/22

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1660.248+/-0.616 χ^2/NDF:115372.9/4

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

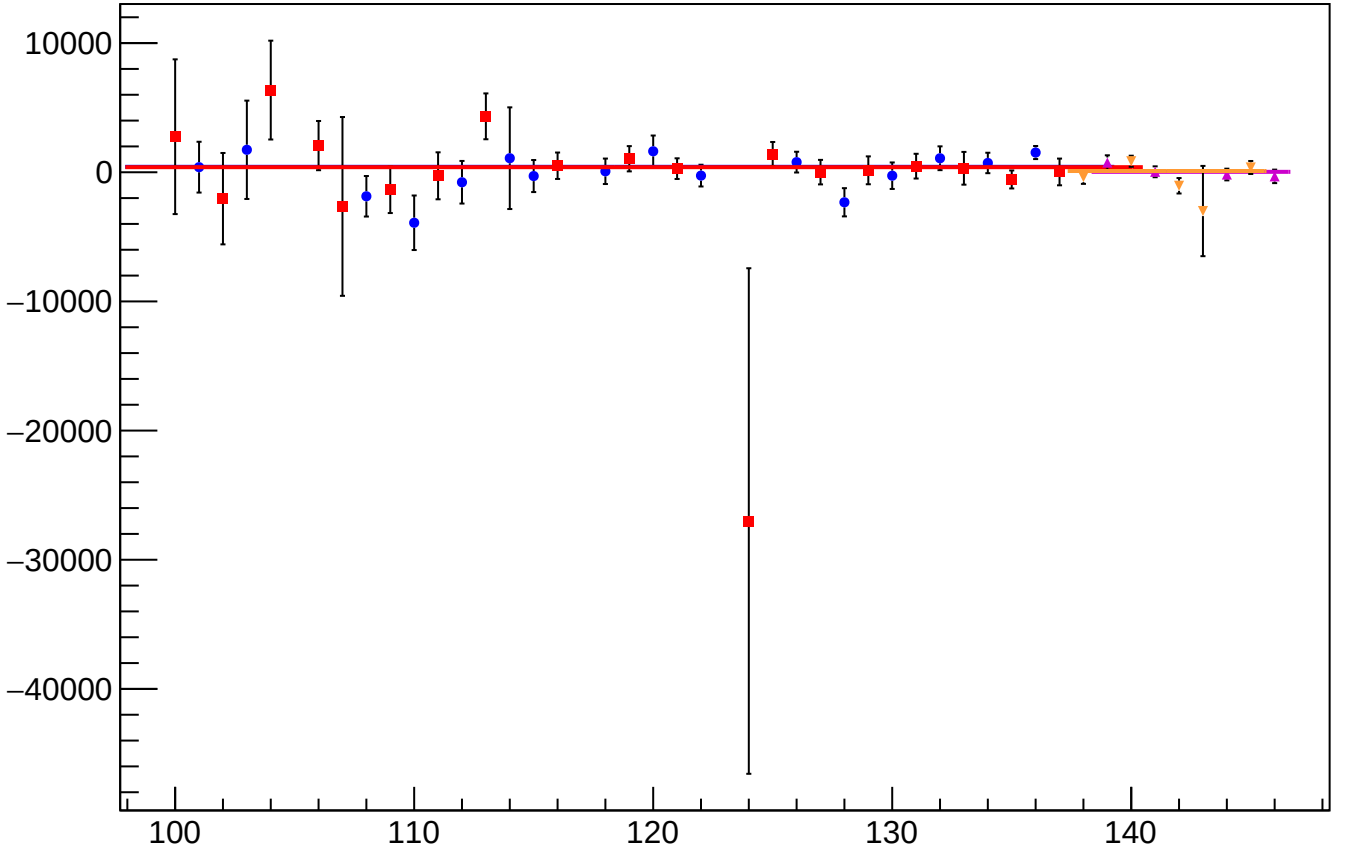
Left In: 1807.714+/-0.680 χ^2/NDF:102.4/3

+ sign 1821.091+/-0.397 χ^2/NDF: 872168.8/20

All: 1856.917+/-0.285 χ^2/NDF: 1191043.2/43

- sign 1894.921+/-0.409 χ^2/NDF: 302128.2/22

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 97.236+/-250.597 χ^2/NDF:8.7/4

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

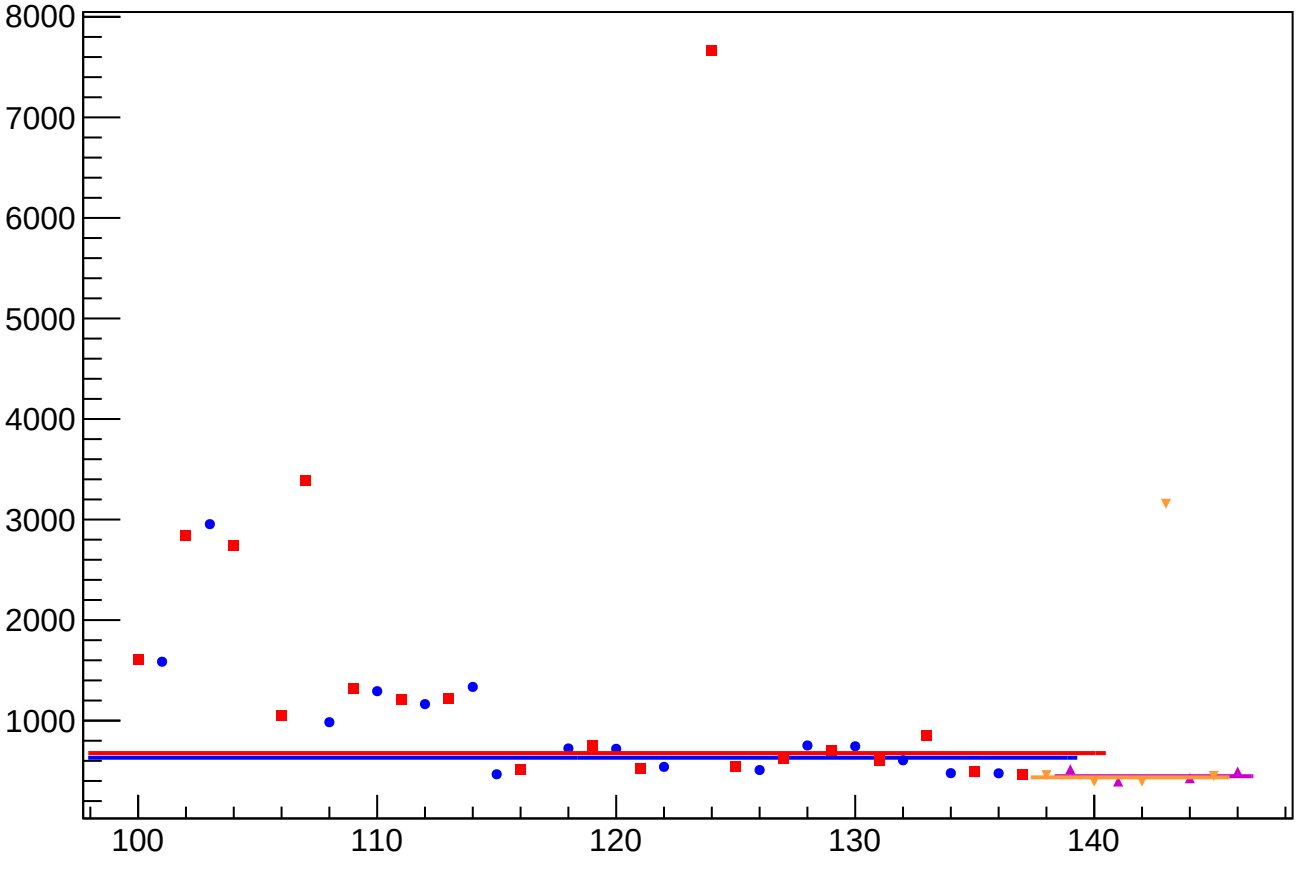
Left In: 32.300+/-240.144 χ^2/NDF:2.3/3

+ sign 255.263+/-179.335 χ^2/NDF: 31.0/20

All: 221.026+/-127.797 χ^2/NDF: 50.2/43

- sign 185.699+/-182.164 χ^2/NDF: 19.1/22

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 436.053+/-0.177 χ^2/NDF:1248858.7/4

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

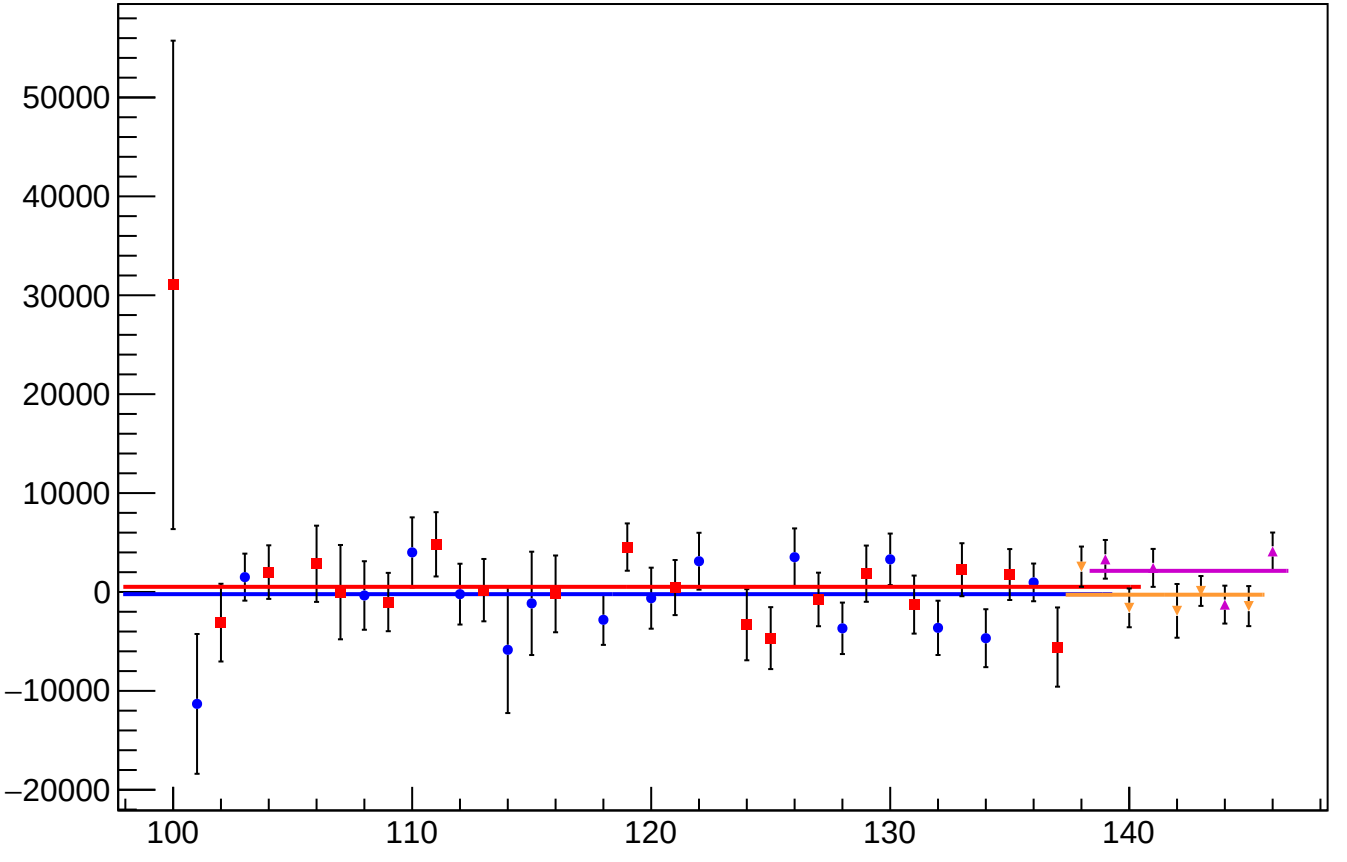
Left In: 447.265+/-0.170 χ^2/NDF:81710.0/3

+ sign 531.231+/-0.127 χ^2/NDF: 4074683.1/20

All: 538.004+/-0.090 χ^2/NDF: 8023880.2/43

- sign 544.993+/-0.129 χ^2/NDF: 3943400.7/22

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -275.516+/-870.733 χ^2/NDF:3.1/4

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

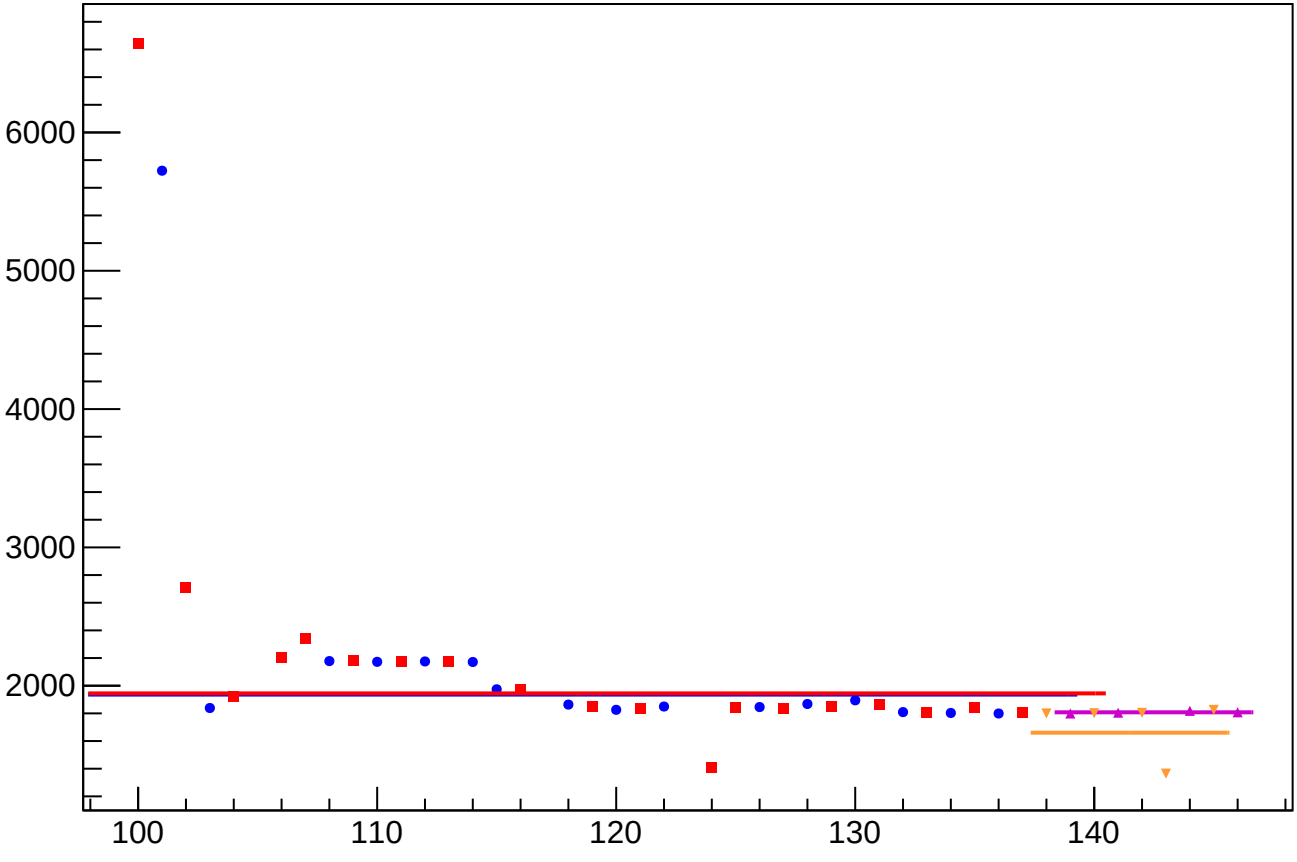
Left In: 2136.936+/-961.560 χ^2/NDF:4.6/3

+ sign -243.361+/-562.049 χ^2/NDF: 20.3/20

All: 411.512+/-403.248 χ^2/NDF: 45.1/43

- sign 1106.197+/-578.881 χ^2/NDF: 22.0/22

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1660.248+/-0.616 χ^2/NDF:115372.9/4

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

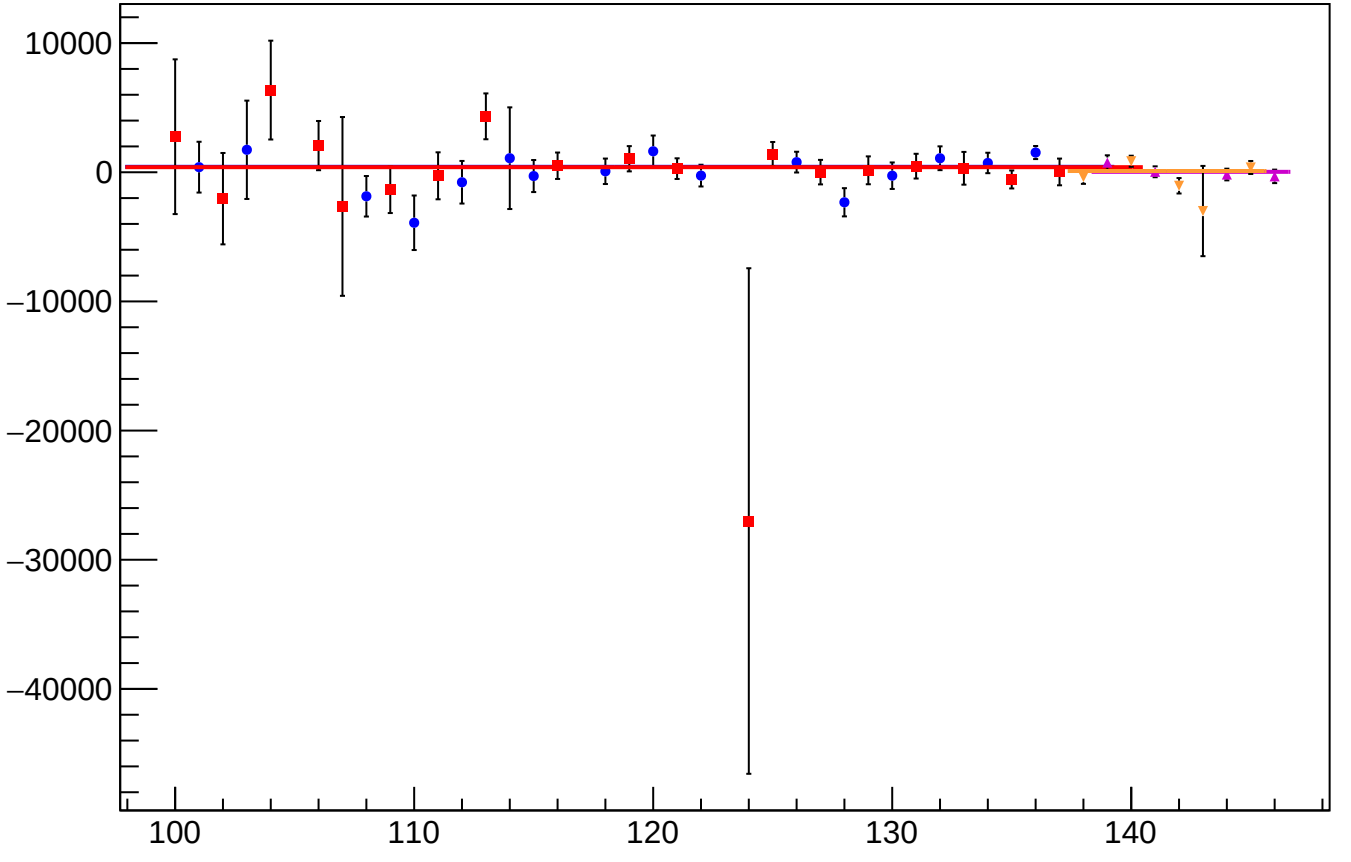
Left In: 1807.714+/-0.680 χ^2/NDF:102.4/3

+ sign 1821.091+/-0.397 χ^2/NDF: 872168.8/20

All: 1856.917+/-0.285 χ^2/NDF: 1191043.0/43

- sign 1894.921+/-0.409 χ^2/NDF: 302128.0/22

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 97.239+/-250.596 χ^2/NDF:8.7/4

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

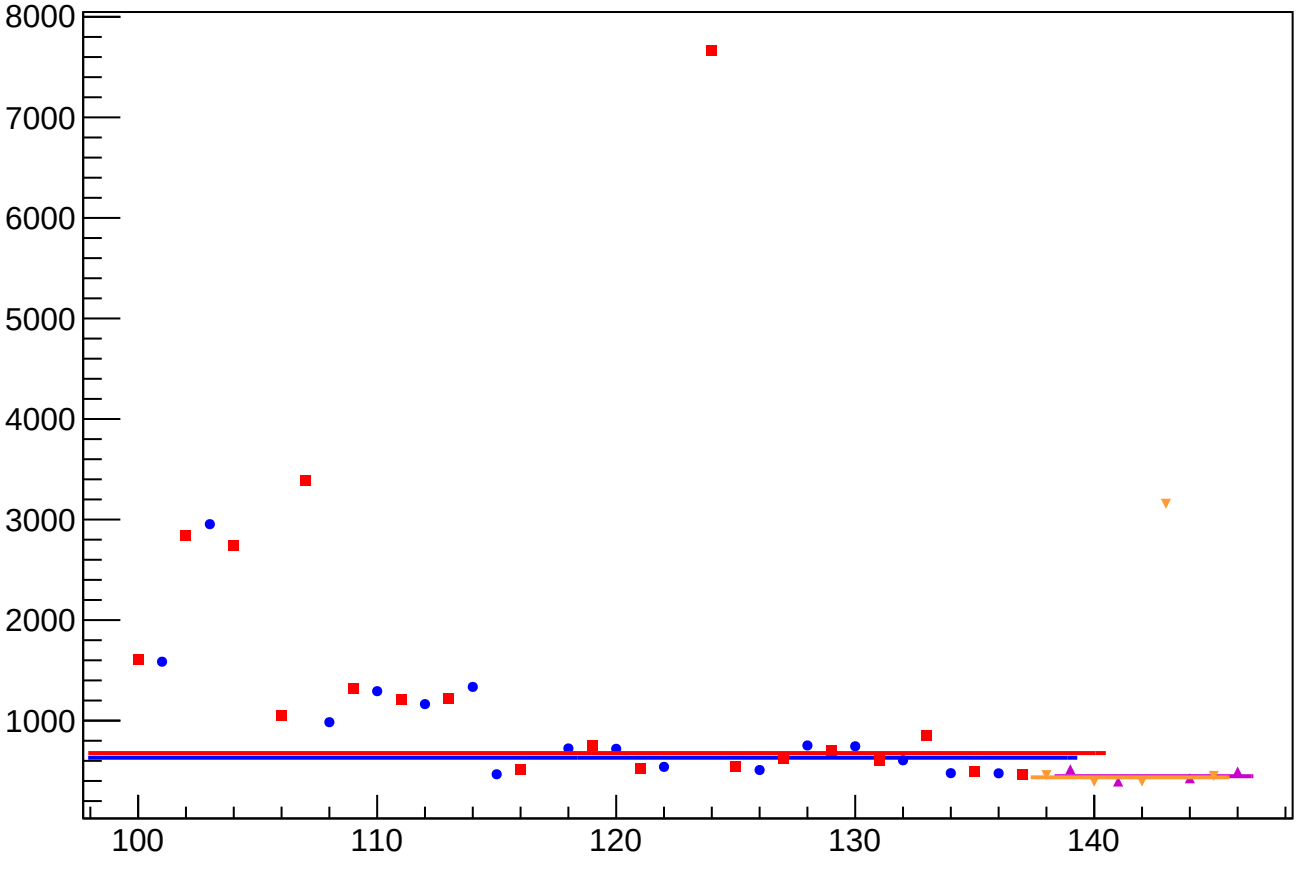
Left In: 32.301+/-240.144 χ^2/NDF:2.3/3

+ sign 255.264+/-179.334 χ^2/NDF: 31.0/20

All: 221.026+/-127.797 χ^2/NDF: 50.2/43

- sign 185.699+/-182.163 χ^2/NDF: 19.1/22

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 436.052+/-0.177 χ^2/NDF:1248857.1/4

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

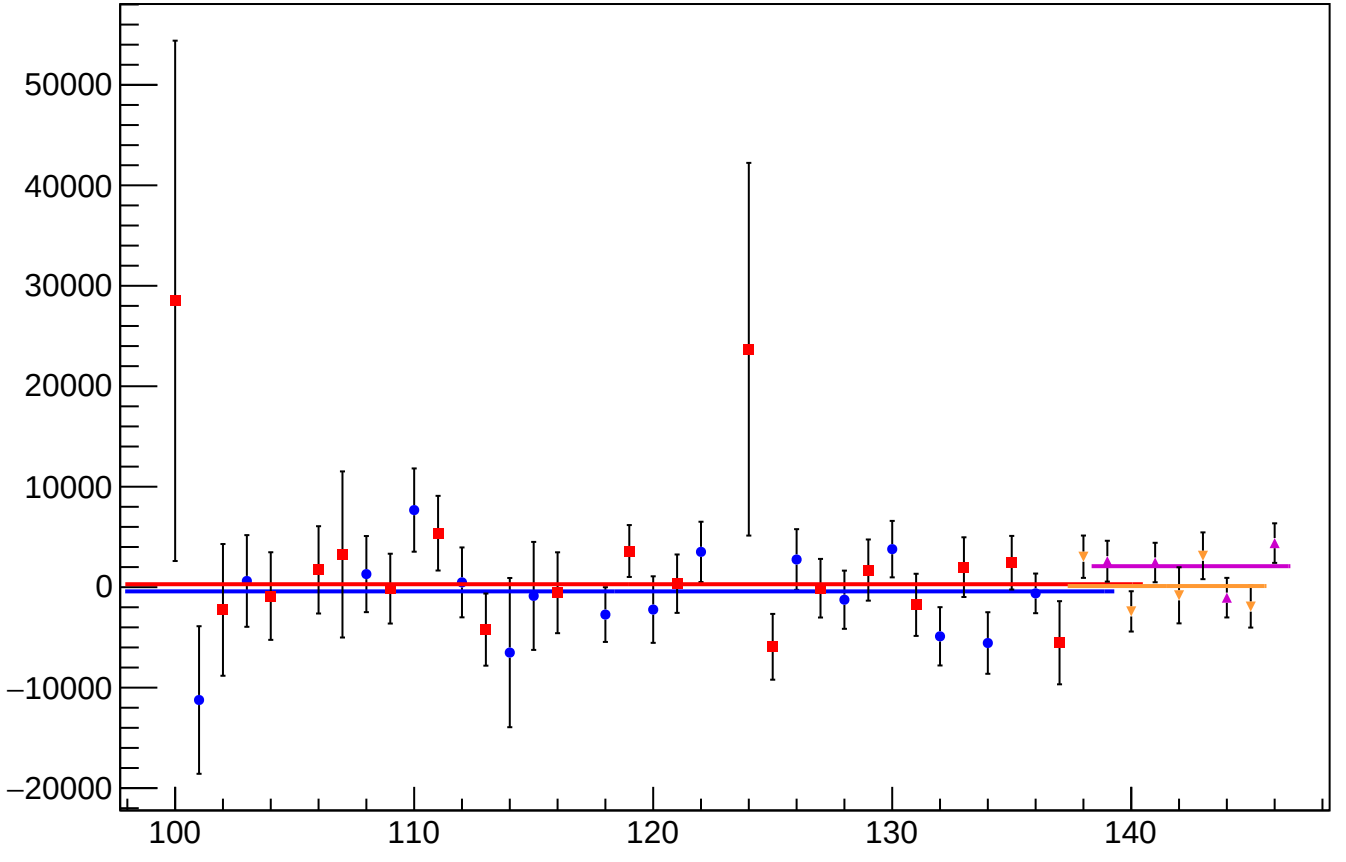
Left In: 447.264+/-0.170 χ^2/NDF:81710.4/3

+ sign 531.230+/-0.127 χ^2/NDF: 4074689.2/20

All: 538.004+/-0.090 χ^2/NDF: 8023891.4/43

- sign 544.992+/-0.129 χ^2/NDF: 3943405.4/22

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: 113.037+/-992.425 χ^2/NDF:6.2/4

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

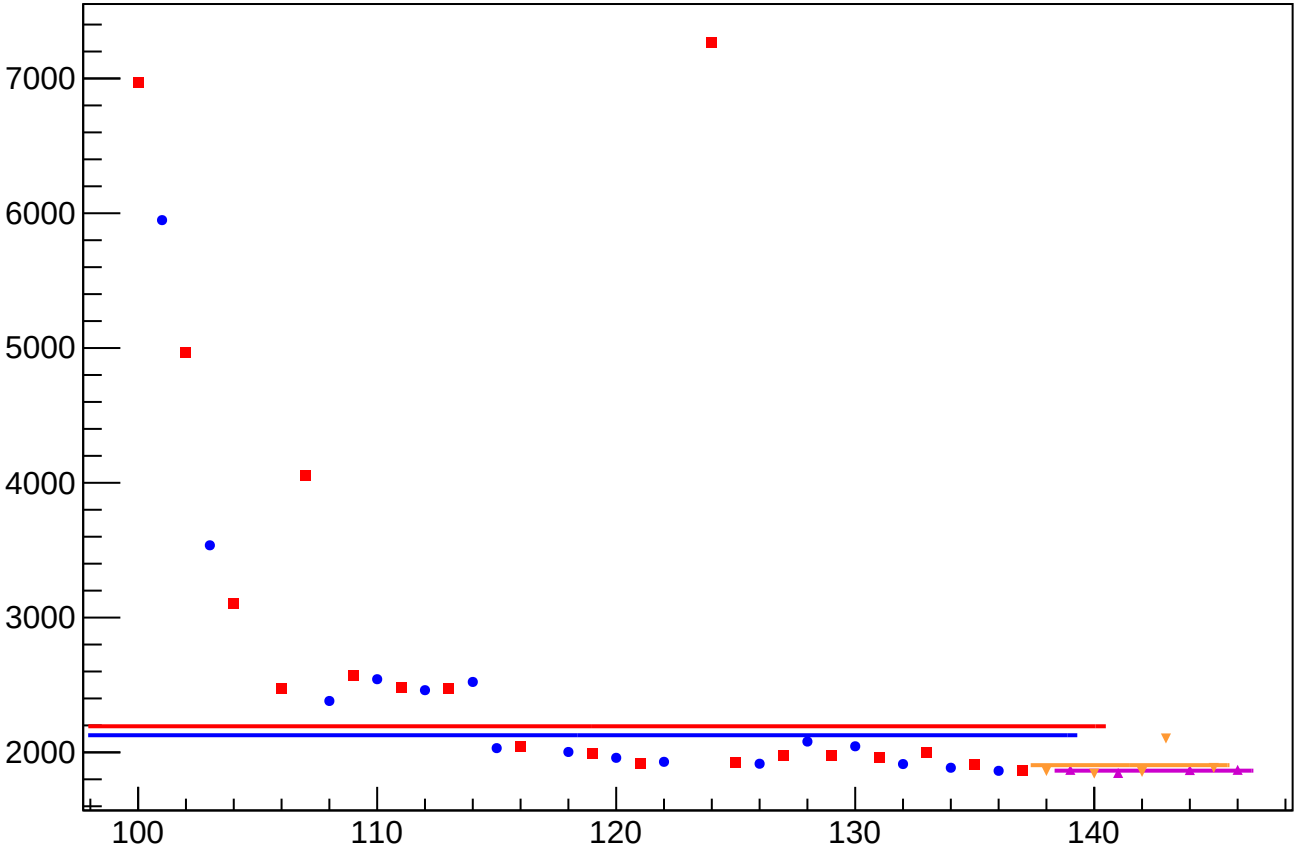
Left In: 2089.757+/-991.620 χ^2/NDF:4.0/3

+ sign -203.795+/-630.007 χ^2/NDF: 24.8/20

All: 408.968+/-448.002 χ^2/NDF: 48.2/43

- sign 1035.794+/-637.195 χ^2/NDF: 21.5/22

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1904.997+/-0.702 χ^2/NDF:18084.6/4

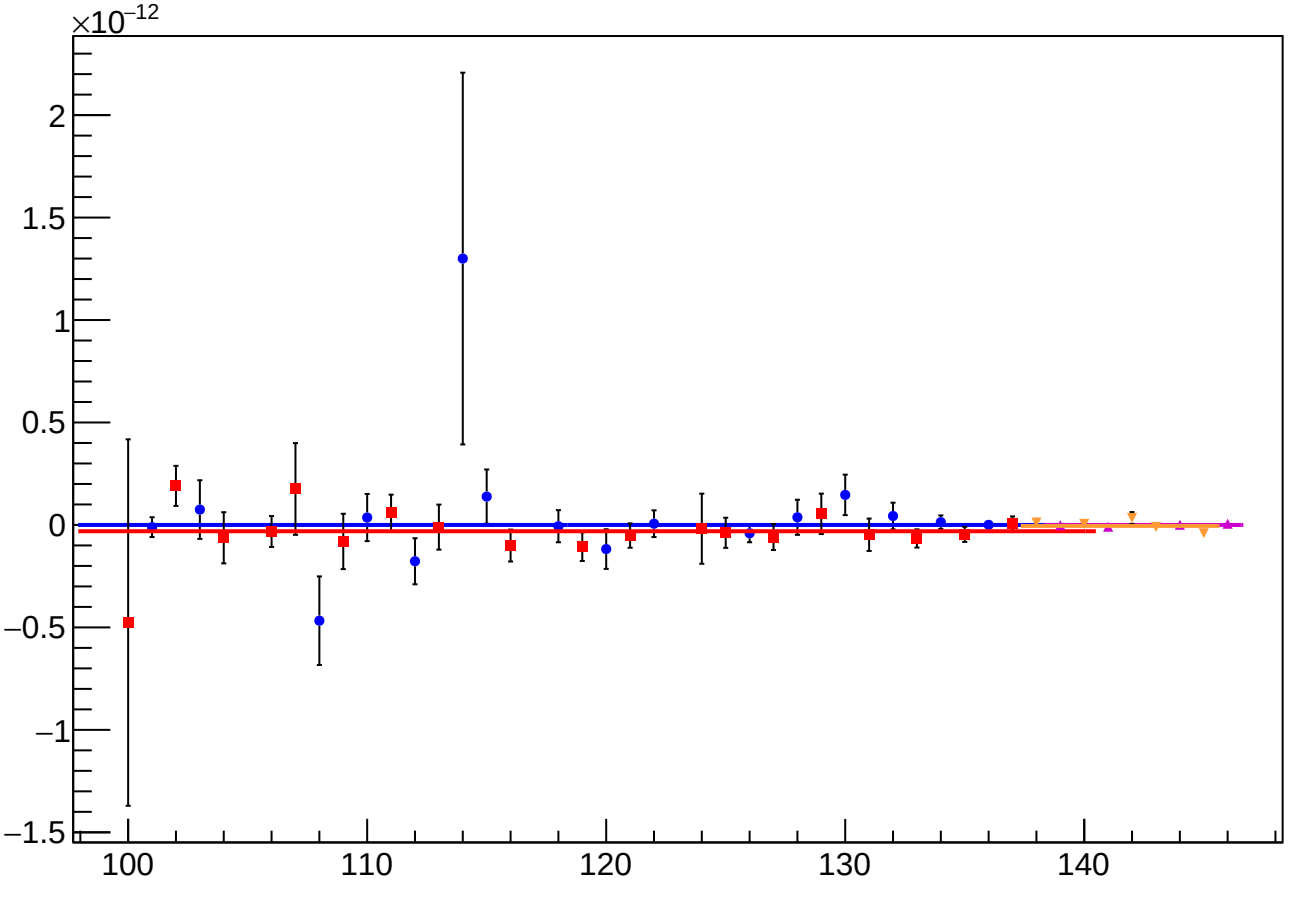
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.188+/-0.701 χ^2/NDF:199.5/3

+ sign 2037.559+/-0.445 χ^2/NDF: 952934.6/20

All: 2047.446+/-0.317 χ^2/NDF: 2026255.8/43

- sign 2057.560+/-0.451 χ^2/NDF: 1072324.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

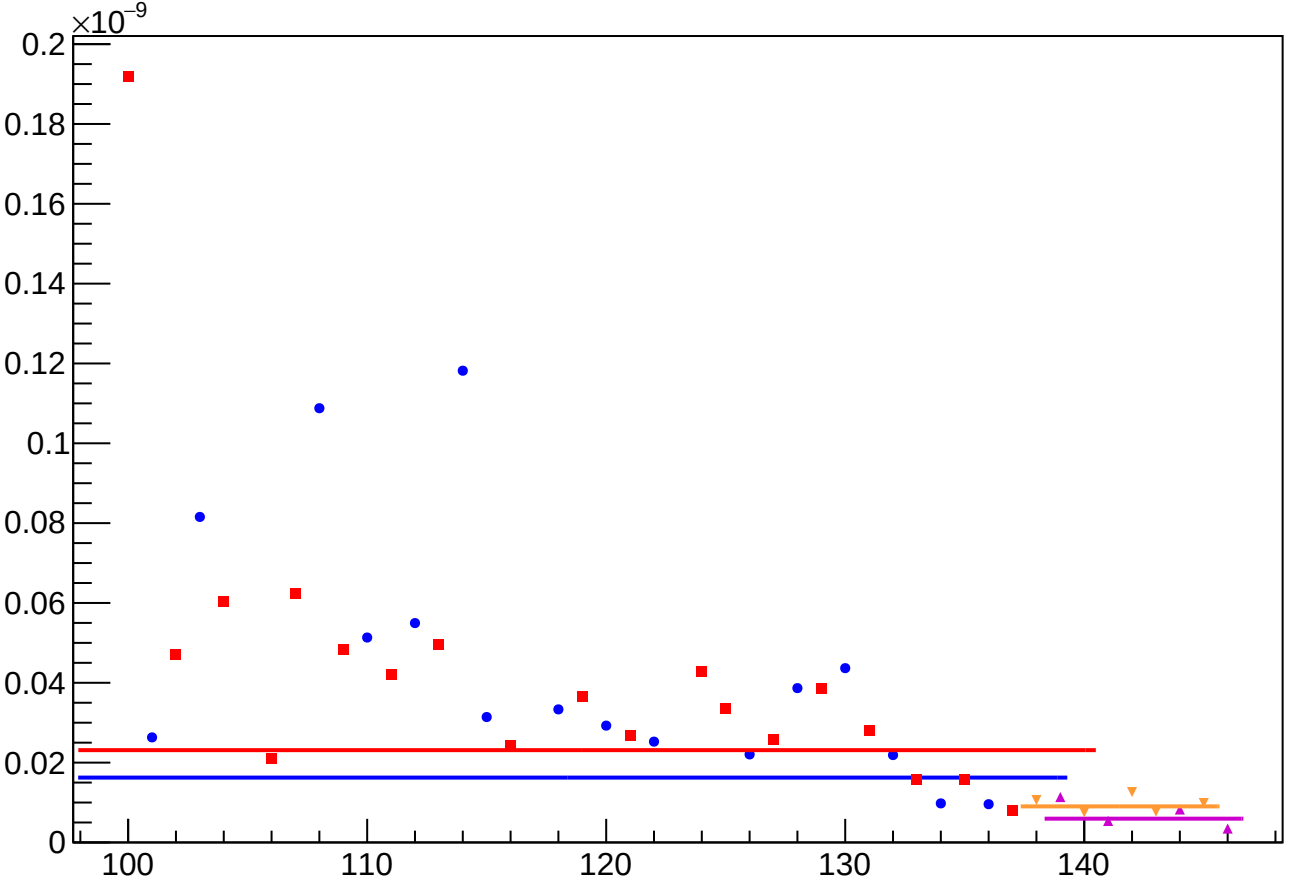
Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/20

All: -0.000+/-0.000 χ^2/NDF: 41.2/43

- sign -0.000+/-0.000 χ^2/NDF: 16.7/22

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:91817.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

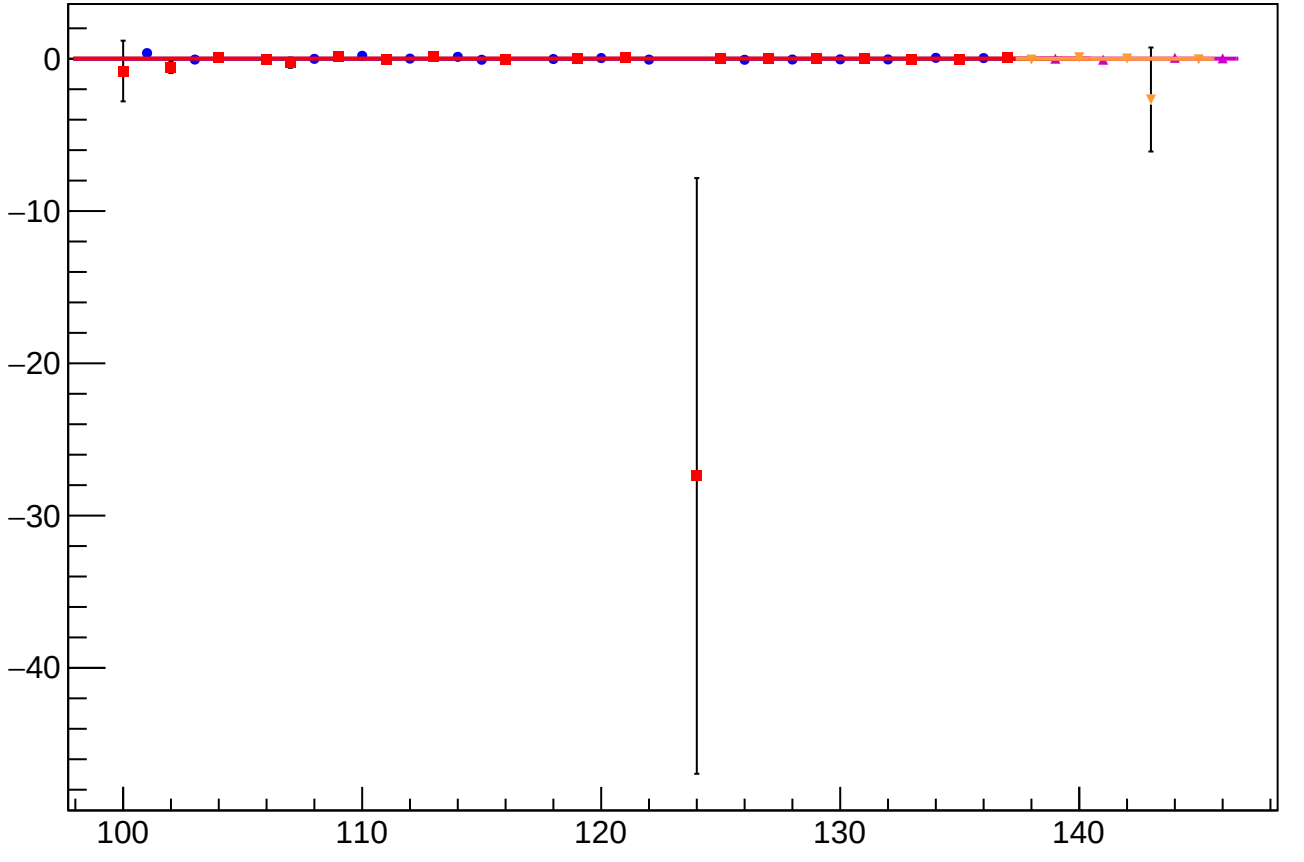
Left In: 0.000+/-0.000 χ^2/NDF:368535.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 2907421.2/20

All: 0.000+/-0.000 χ^2/NDF: 6982463.2/43

- sign 0.000+/-0.000 χ^2/NDF: 3849975.6/22

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.003+/-0.022 χ^2/NDF:9.8/4

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

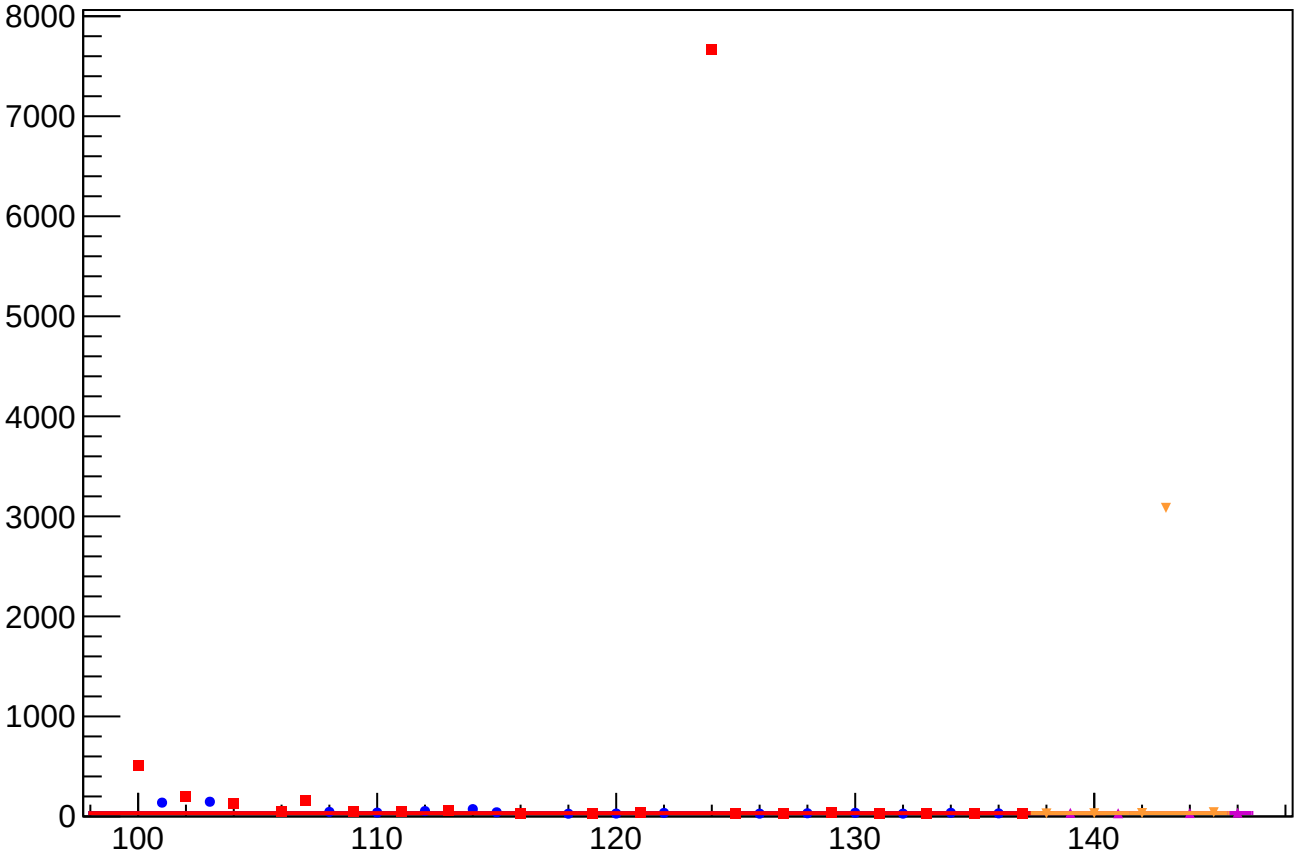
Left In: 0.008+/-0.020 χ^2/NDF:5.8/3

+ sign 0.002+/-0.012 χ^2/NDF: 30.8/20

All: 0.006+/-0.009 χ^2/NDF: 51.1/43

- sign 0.010+/-0.012 χ^2/NDF: 20.0/22

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 33.830+/-0.015 χ^2/NDF:1675512.8/4

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

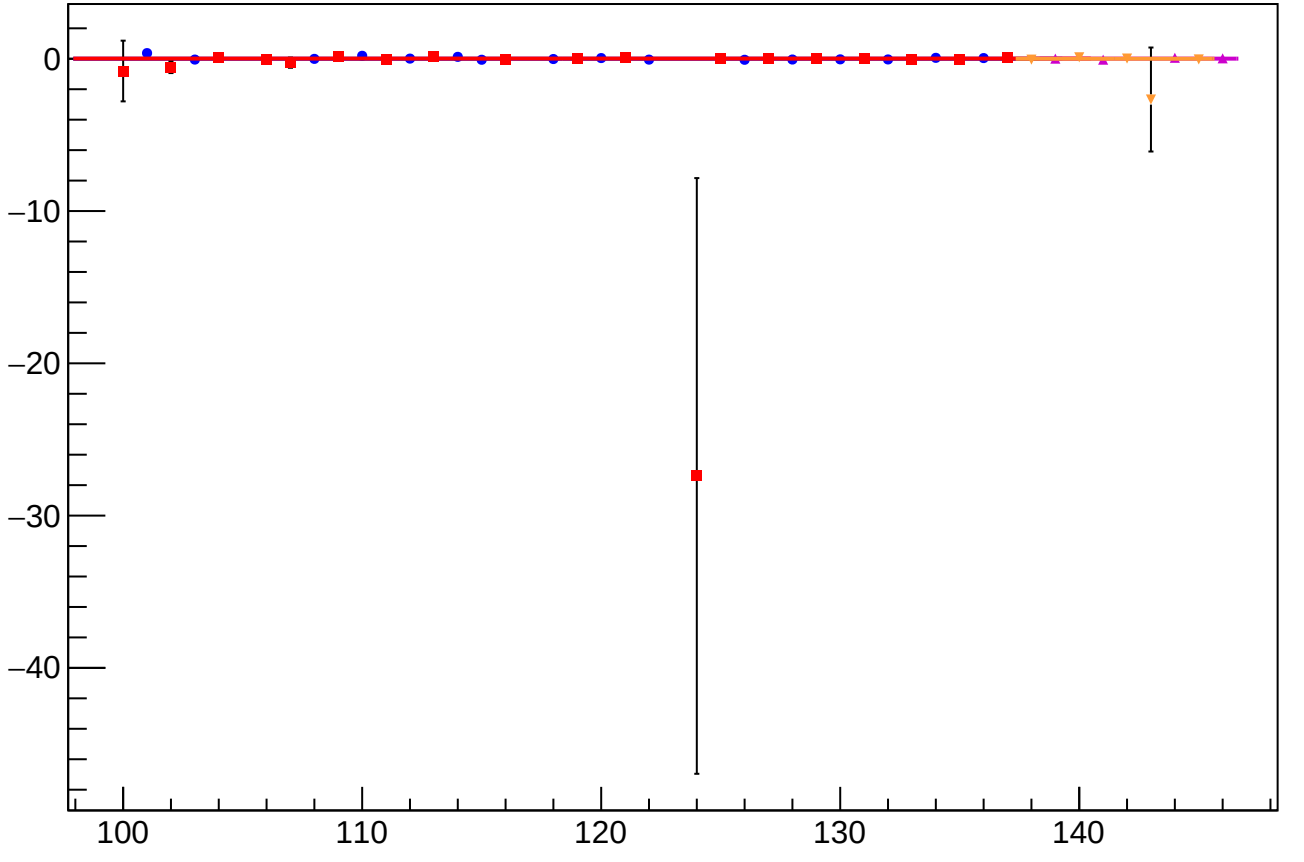
Left In: 34.735+/-0.014 χ^2/NDF:18687.3/3

+ sign 33.983+/-0.009 χ^2/NDF: 3392927.7/20

All: 33.824+/-0.006 χ^2/NDF: 5496192.4/43

- sign 33.671+/-0.008 χ^2/NDF: 2102592.2/22

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.003+/-0.022 χ^2/NDF:9.8/4

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

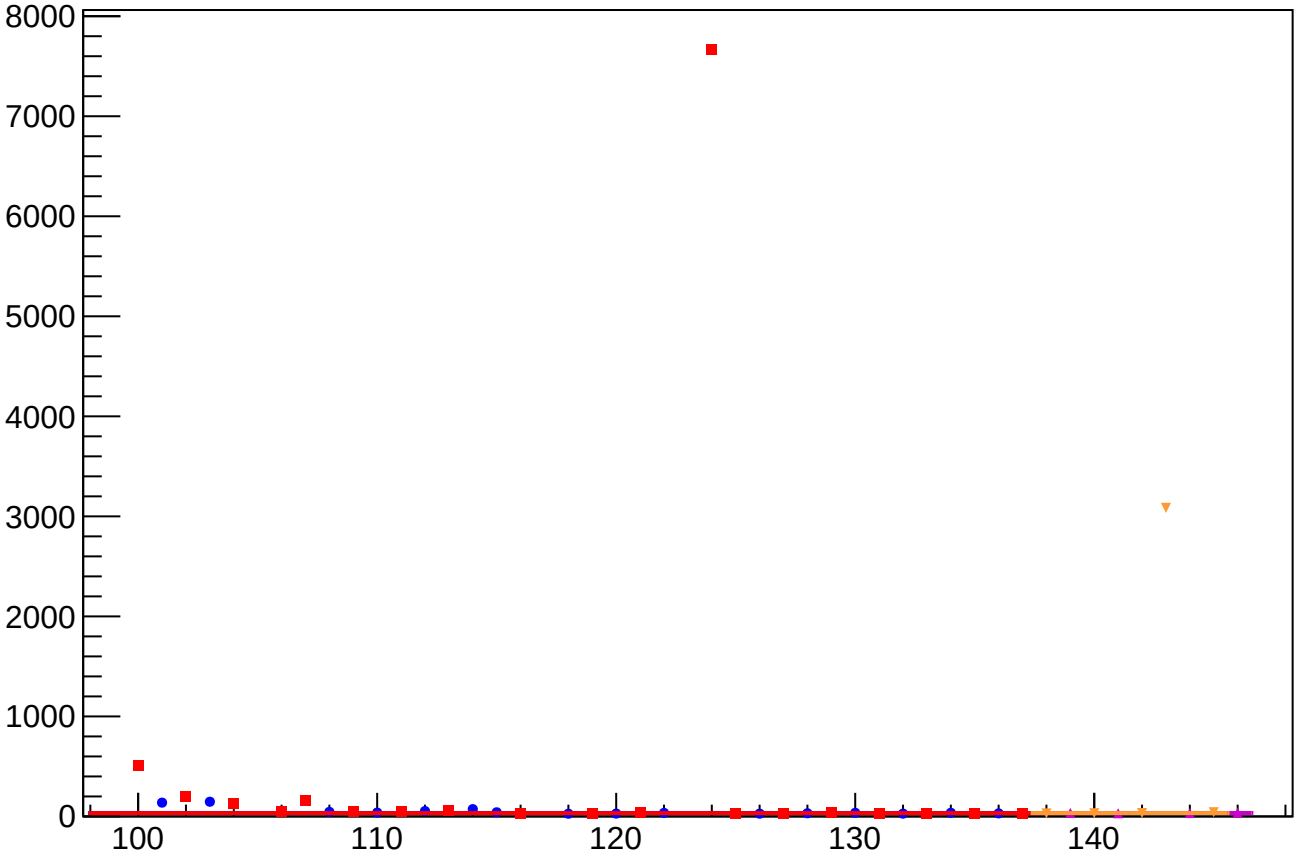
Left In: 0.008+/-0.020 χ^2/NDF:5.8/3

+ sign 0.002+/-0.012 χ^2/NDF: 30.8/20

All: 0.006+/-0.009 χ^2/NDF: 51.1/43

- sign 0.010+/-0.012 χ^2/NDF: 20.0/22

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: 33.830+/-0.015 χ^2/NDF:1675512.8/4

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

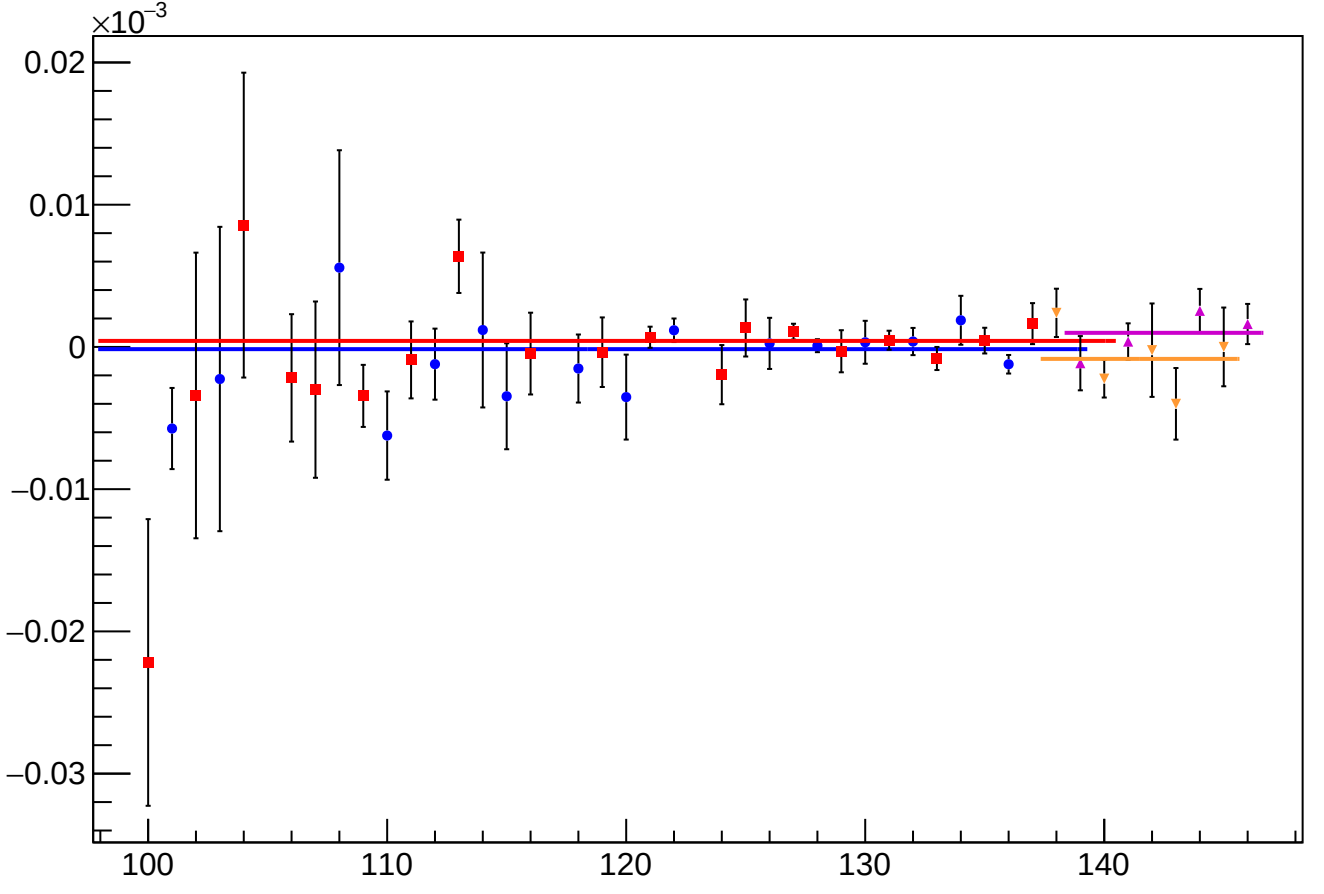
Left In: 34.735+/-0.014 χ^2/NDF:18687.3/3

+ sign 33.983+/-0.009 χ^2/NDF: 3392927.7/20

All: 33.824+/-0.006 χ^2/NDF: 5496192.4/43

- sign 33.671+/-0.008 χ^2/NDF: 2102592.2/22

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

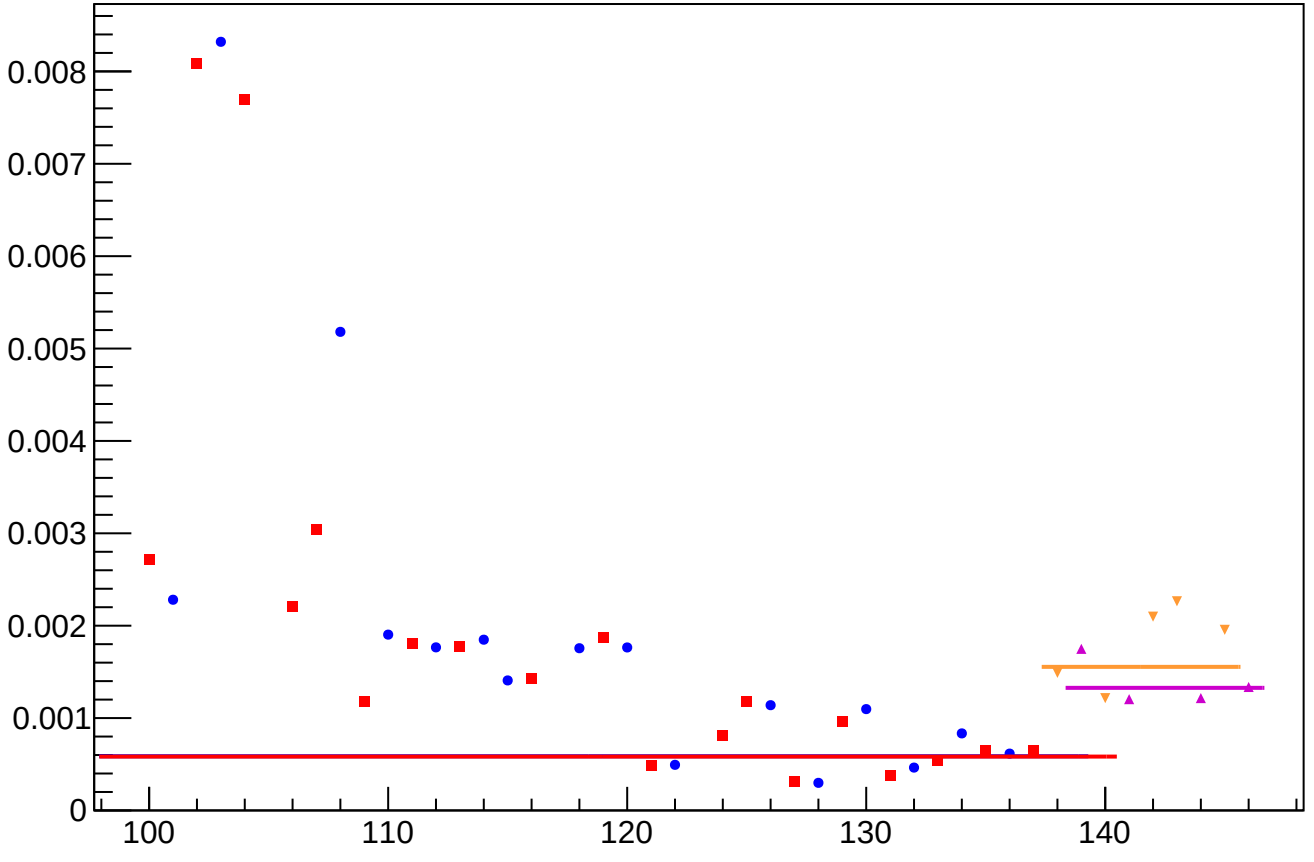
Left In: 0.000+/-0.000 χ^2/NDF:2.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/20

All: 0.000+/-0.000 χ^2/NDF: 53.4/43

- sign 0.000+/-0.000 χ^2/NDF: 24.8/22

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:388905.9/4

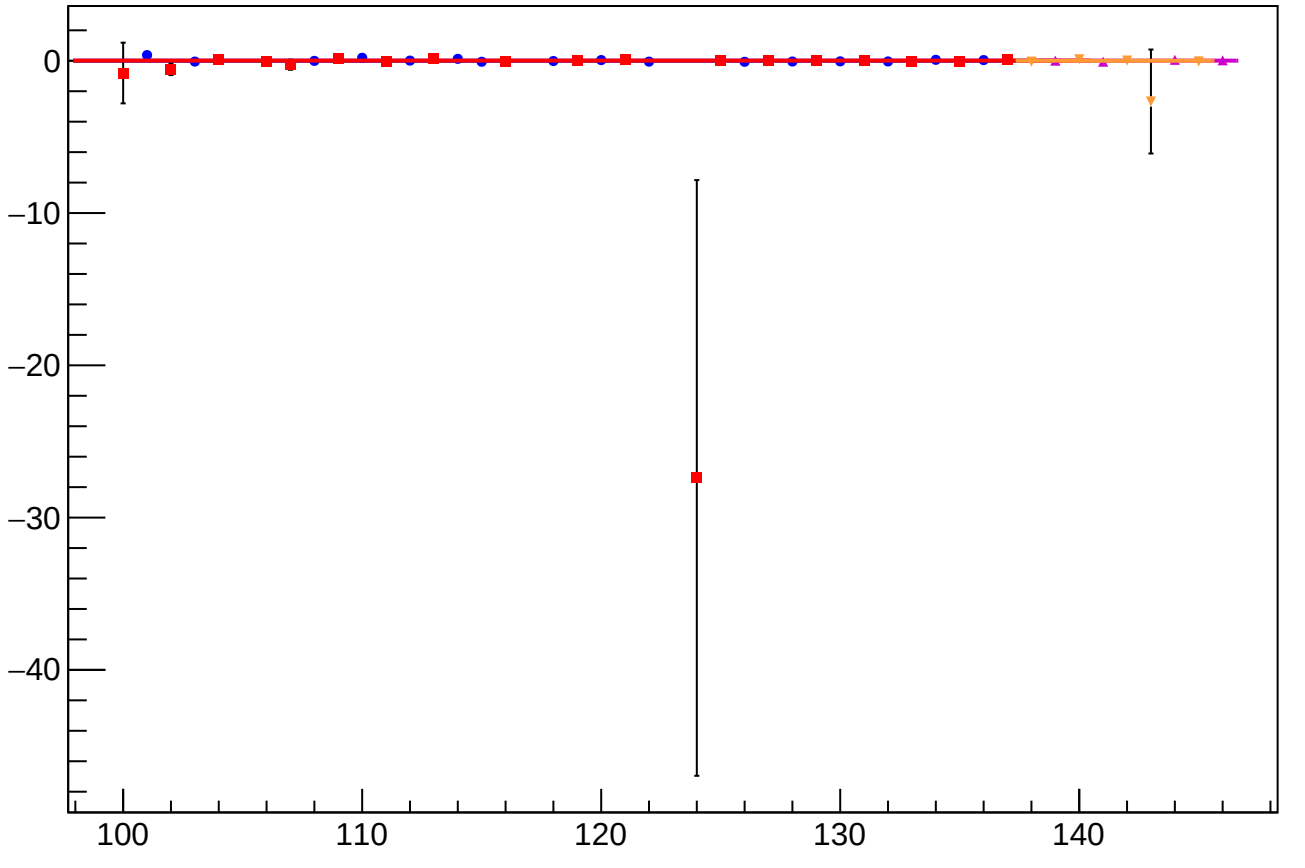
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126716.5/3

+ sign 0.001+/-0.000 χ^2/NDF: 8056532.8/20

All: 0.001+/-0.000 χ^2/NDF: 15357449.9/43

- sign 0.001+/-0.000 χ^2/NDF: 7300474.6/22



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.003+/-0.022 χ^2/NDF:9.8/4

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

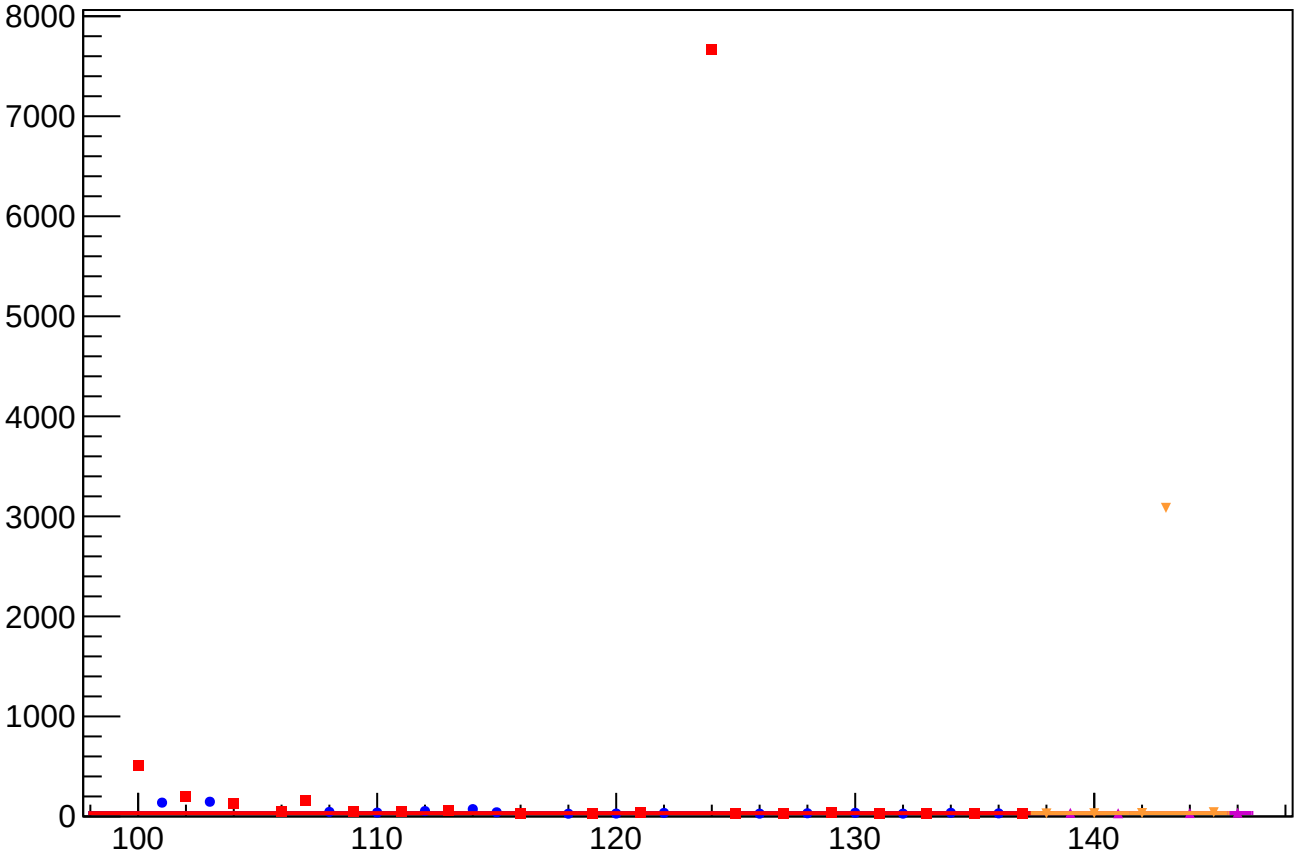
Left In: 0.008+/-0.020 χ^2/NDF:5.8/3

+ sign 0.002+/-0.012 χ^2/NDF: 30.8/20

All: 0.006+/-0.009 χ^2/NDF: 51.1/43

- sign 0.010+/-0.012 χ^2/NDF: 20.0/22

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: 33.830+/-0.015 χ^2/NDF:1675517.4/4

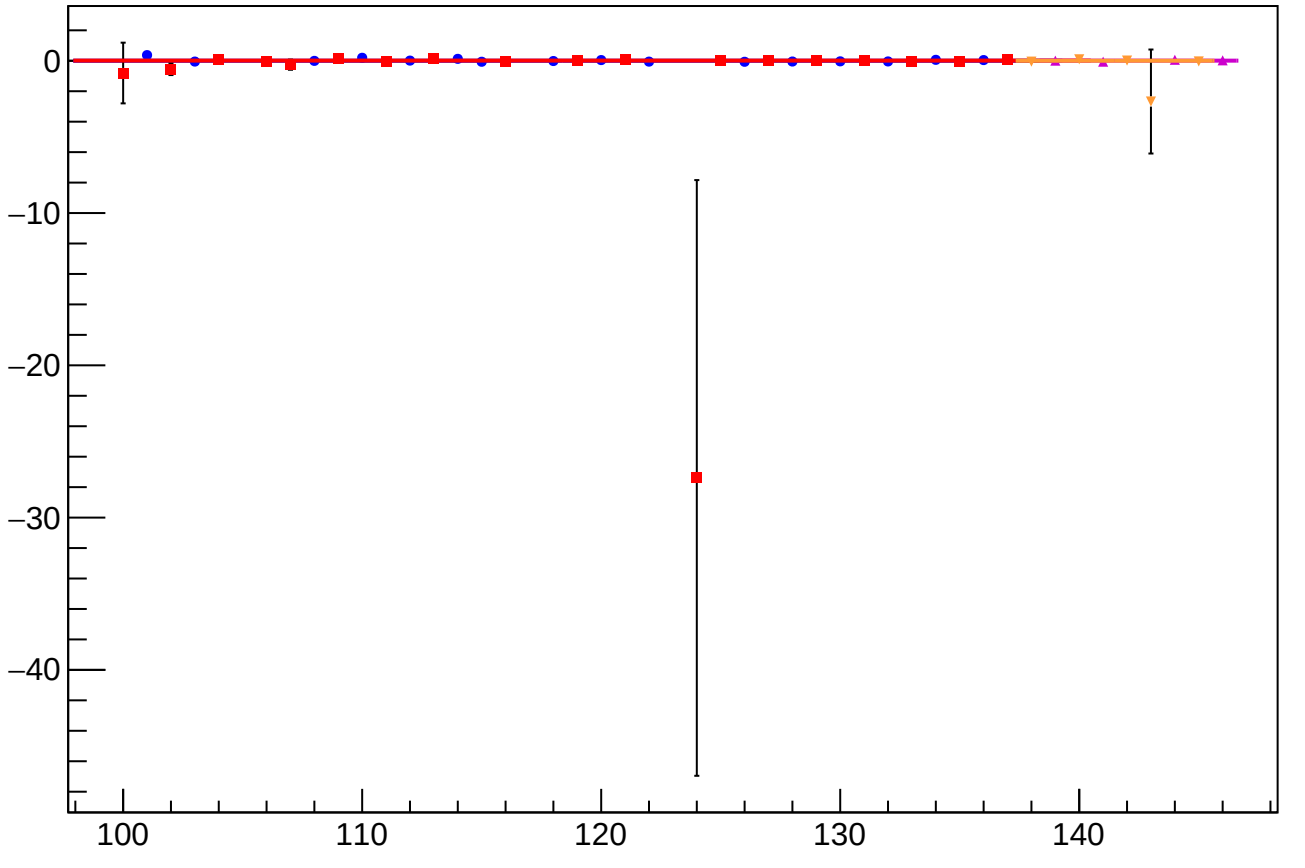
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.735+/-0.014 χ^2/NDF:18689.3/3

+ sign 33.983+/-0.009 χ^2/NDF: 3392921.1/20

All: 33.824+/-0.006 χ^2/NDF: 5496170.8/43

- sign 33.671+/-0.008 χ^2/NDF: 2102577.4/22



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.003+/-0.022 χ^2/NDF:9.8/4

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

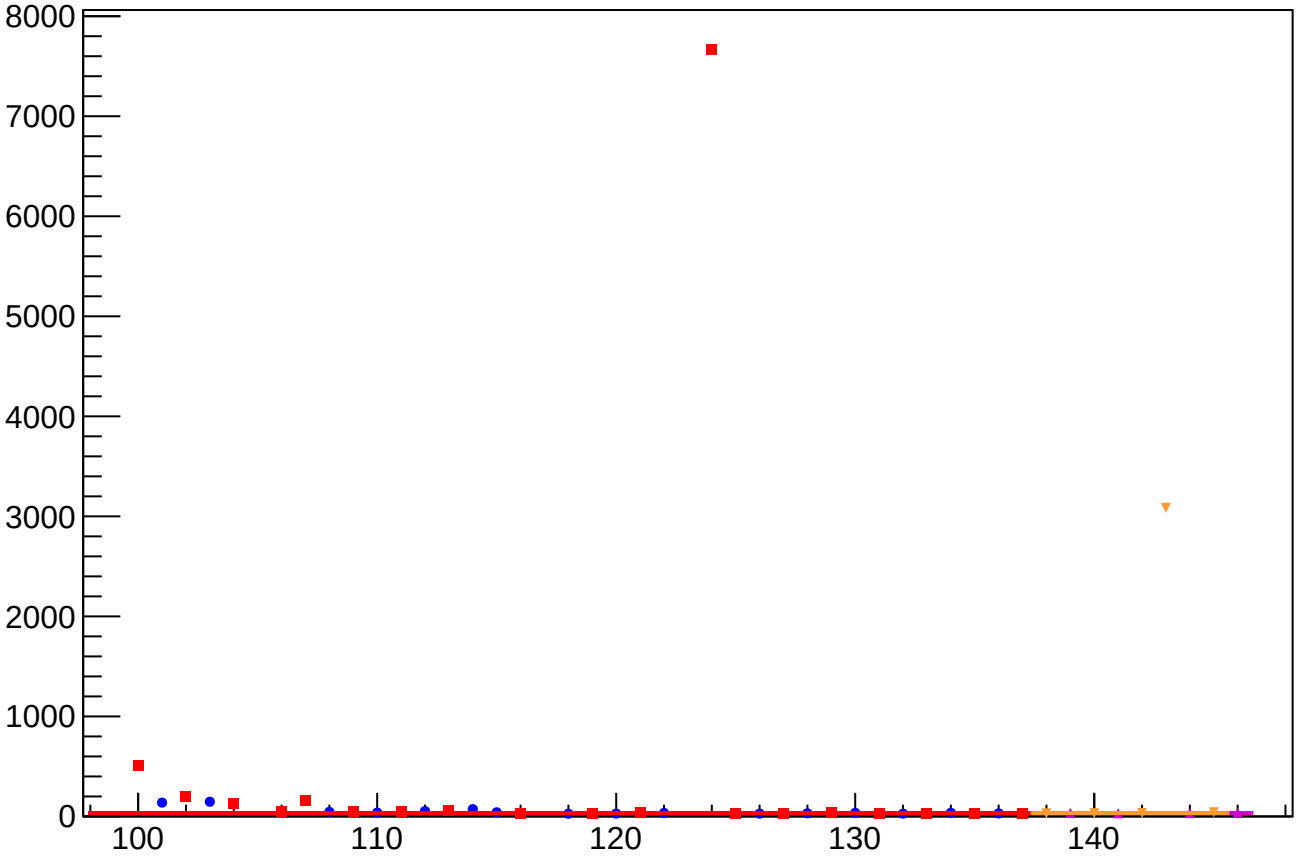
Left In: 0.008+/-0.020 χ^2/NDF:5.8/3

+ sign 0.002+/-0.012 χ^2/NDF: 30.8/20

All: 0.006+/-0.009 χ^2/NDF: 51.1/43

- sign 0.010+/-0.012 χ^2/NDF: 20.0/22

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 33.830+/-0.015 χ^2/NDF:1675517.4/4

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

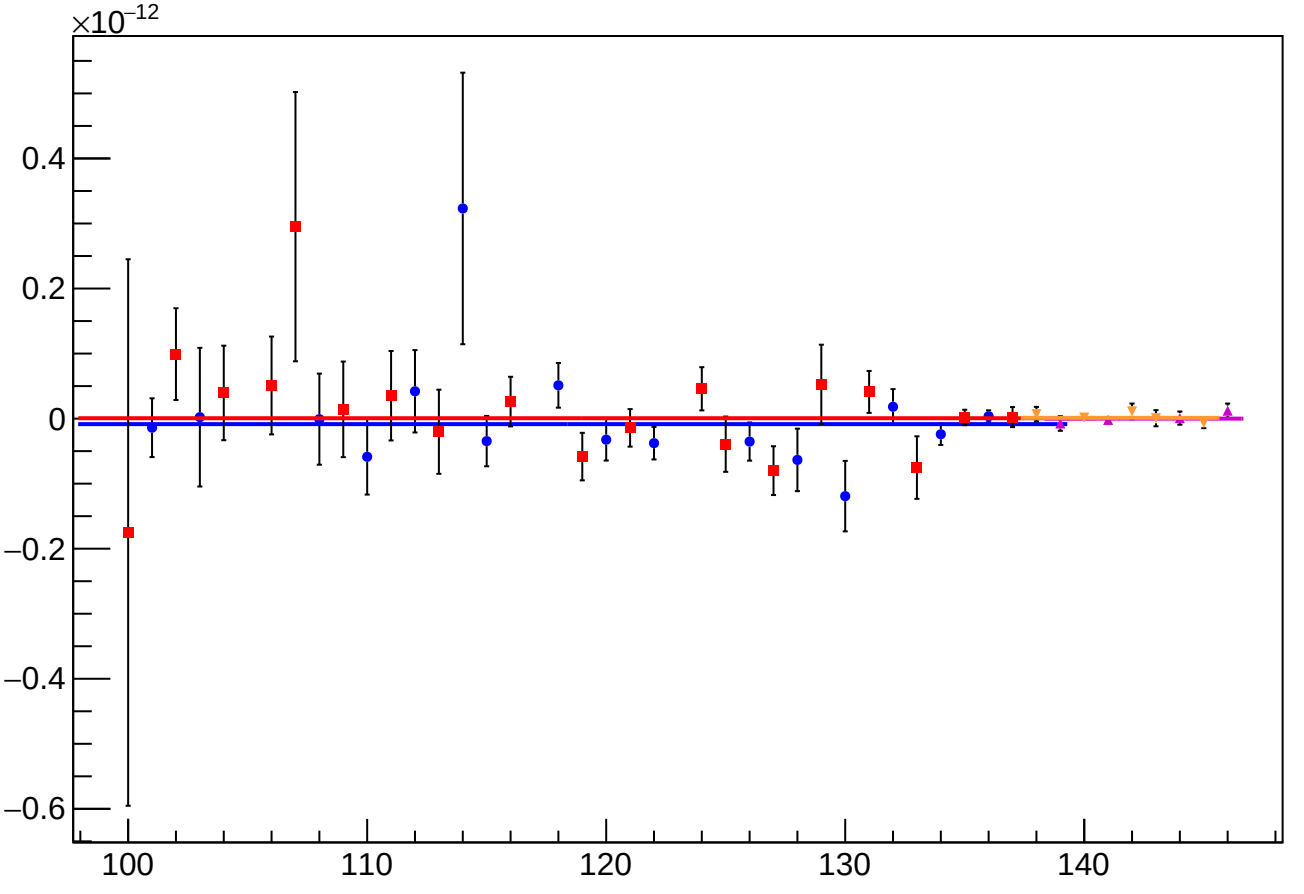
Left In: 34.735+/-0.014 χ^2/NDF:18689.3/3

+ sign 33.983+/-0.009 χ^2/NDF: 3392921.1/20

All: 33.824+/-0.006 χ^2/NDF: 5496170.8/43

- sign 33.671+/-0.008 χ^2/NDF: 2102577.4/22

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:1.8/4

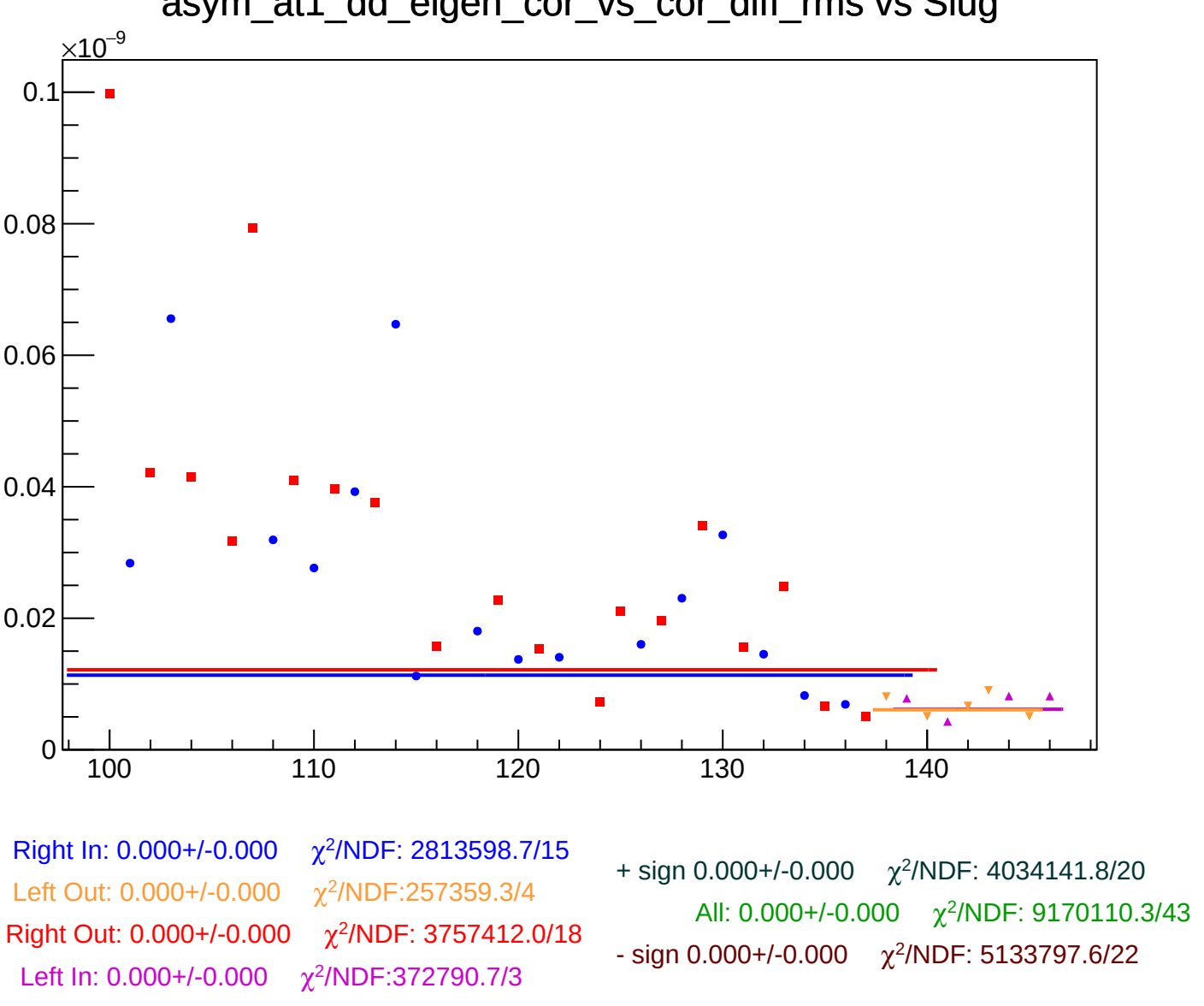
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

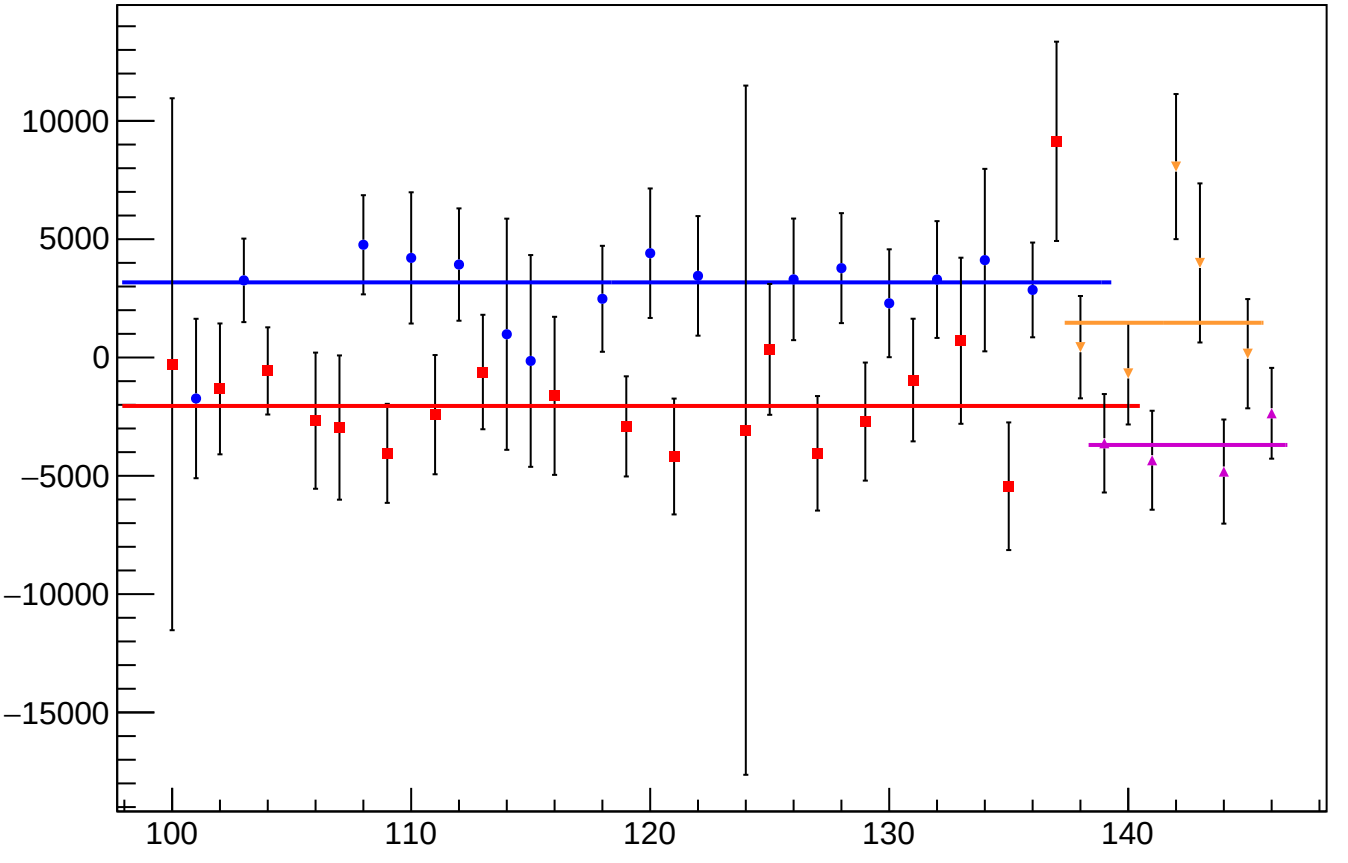
+ sign -0.000+/-0.000 χ^2/NDF: 22.8/20

All: -0.000+/-0.000 χ^2/NDF: 45.5/43

- sign 0.000+/-0.000 χ^2/NDF: 22.6/22


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:257359.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:372790.7/3
+ sign 0.000+/-0.000 χ²/NDF: 4034141.8/20
All: 0.000+/-0.000 χ²/NDF: 9170110.3/43
- sign 0.000+/-0.000 χ²/NDF: 5133797.6/22

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1468.454+/-1110.410 χ^2/NDF:6.7/4

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

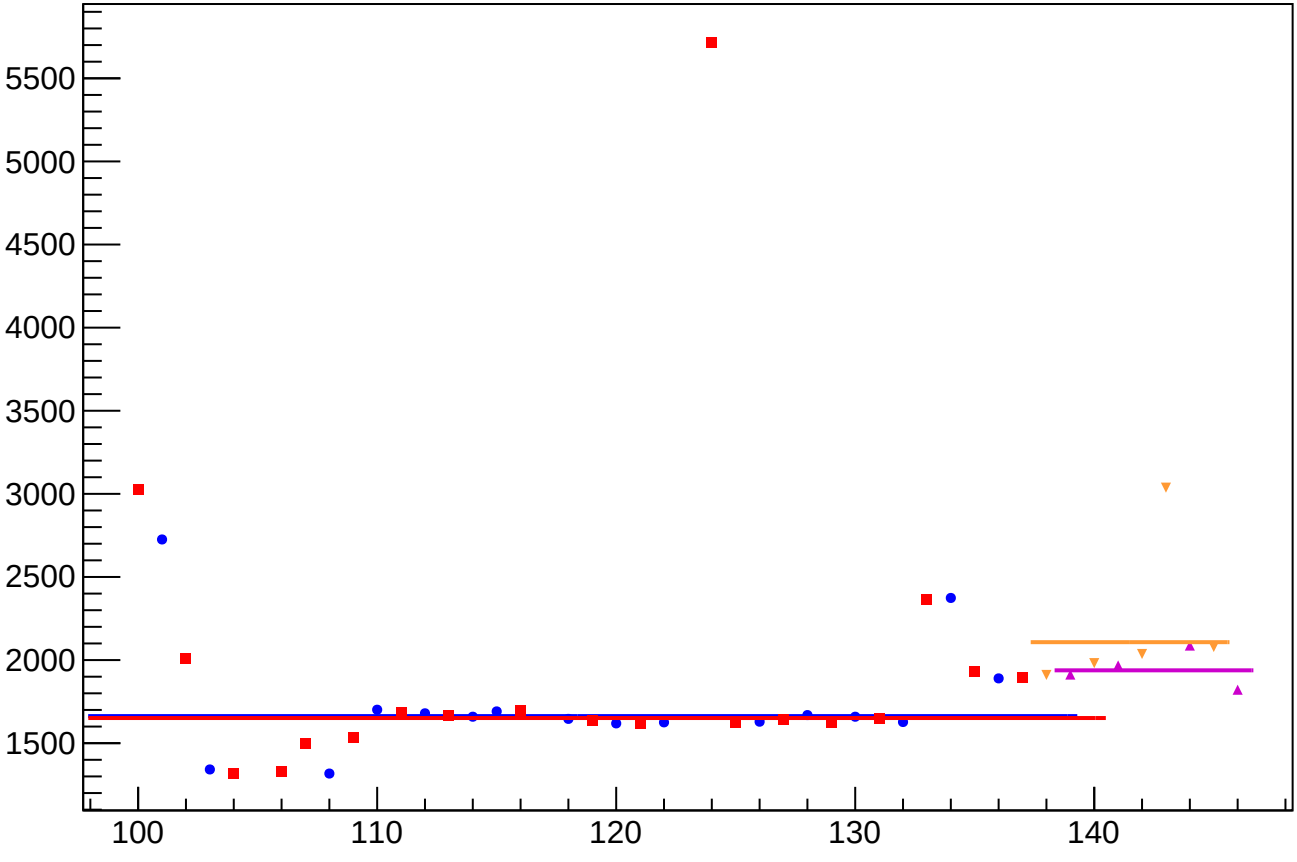
Left In: -3695.968+/-1032.624 χ^2/NDF:0.8/3

+ sign 2761.896+/-546.629 χ^2/NDF: 12.8/20

All: 69.326+/-381.429 χ^2/NDF: 76.9/43

- sign -2485.780+/-532.492 χ^2/NDF: 16.8/22

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 2107.693+/-0.785 χ^2/NDF:177754.7/4

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

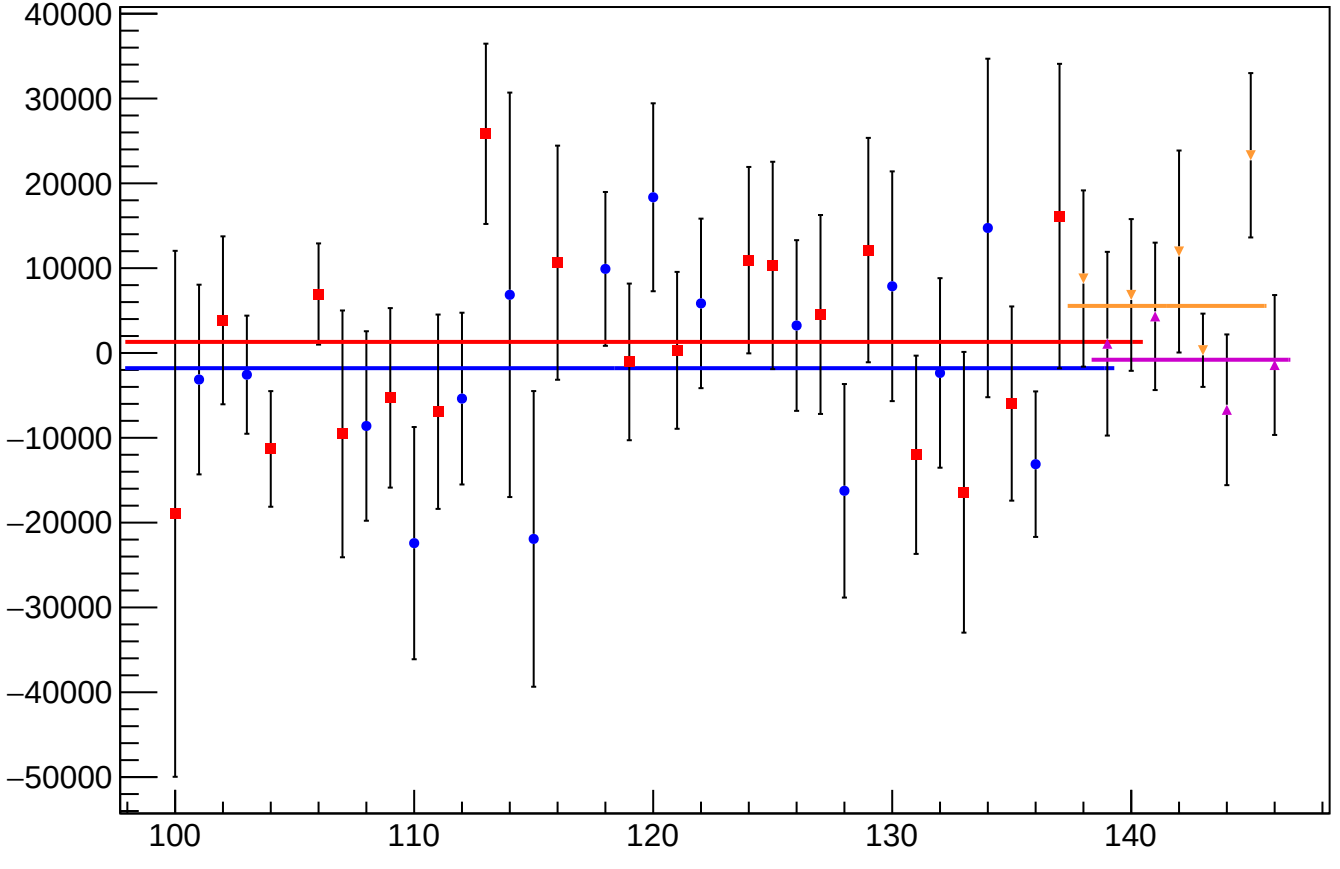
Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

+ sign 1770.690+/-0.387 χ^2/NDF: 836523.1/20

All: 1748.596+/-0.270 χ^2/NDF: 1405487.6/43

- sign 1727.629+/-0.377 χ^2/NDF: 562596.3/22

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 5550.906+/-3277.524 χ^2/NDF:5.2/4

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

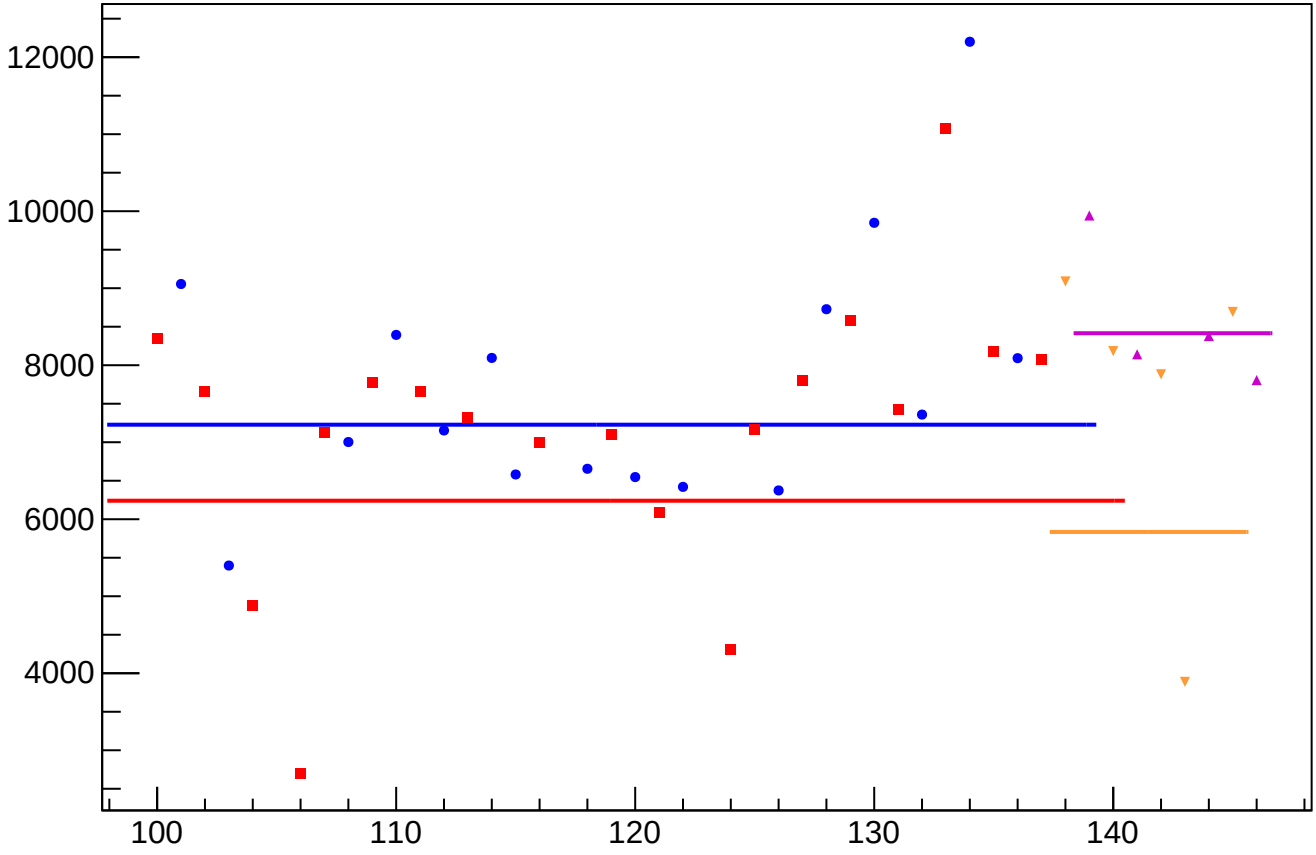
Left In: -796.873+/-4511.190 χ^2/NDF:0.8/3

+ sign 1233.993+/-2103.802 χ^2/NDF: 22.5/20

All: 1037.002+/-1500.044 χ^2/NDF: 41.2/43

- sign 833.287+/-2139.410 χ^2/NDF: 18.7/22

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 5834.938+/-2.318 χ^2/NDF:973402.3/4

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

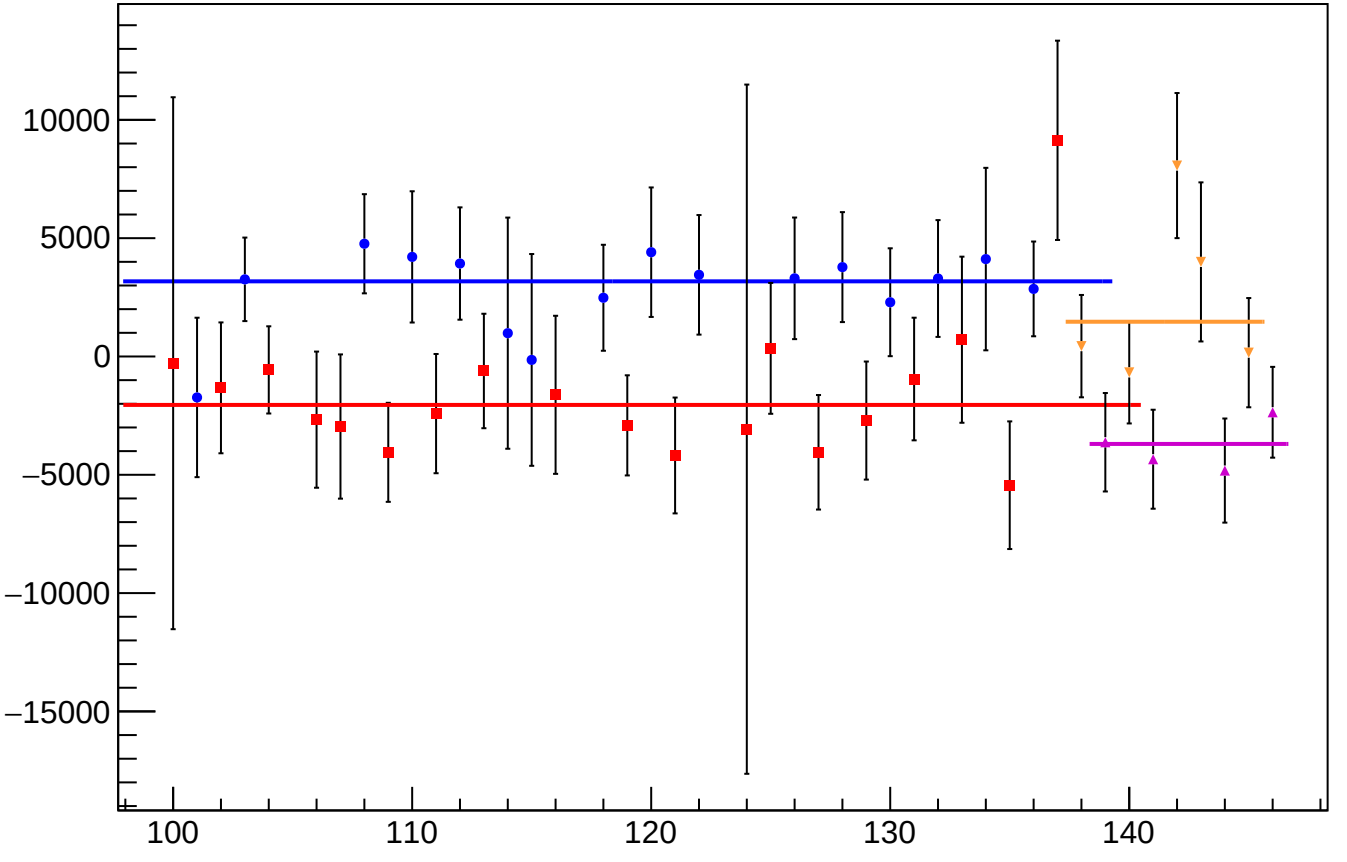
Left In: 8415.616+/-3.190 χ^2/NDF:52741.2/3

+ sign 6653.790+/-1.488 χ^2/NDF: 1688980.8/20

All: 6691.131+/-1.061 χ^2/NDF: 3502446.4/43

- sign 6729.746+/-1.513 χ^2/NDF: 1812183.9/22

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1468.578+/-1110.410 χ^2/NDF:6.7/4

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

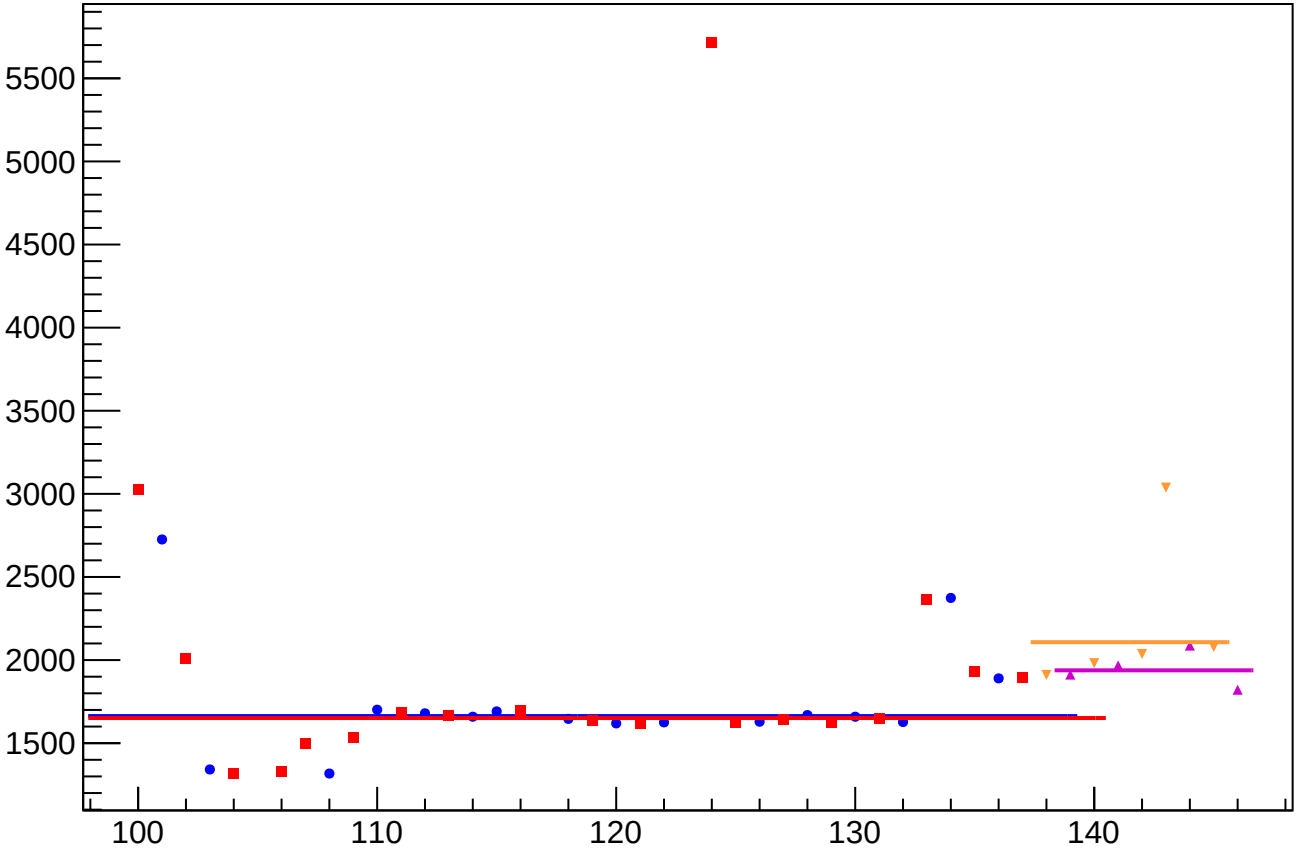
Left In: -3696.215+/-1032.624 χ^2/NDF:0.8/3

+ sign 2761.994+/-546.629 χ^2/NDF: 12.8/20

All: 69.413+/-381.429 χ^2/NDF: 76.9/43

- sign -2485.703+/-532.492 χ^2/NDF: 16.8/22

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2107.693+/-0.785 χ^2/NDF:177754.7/4

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

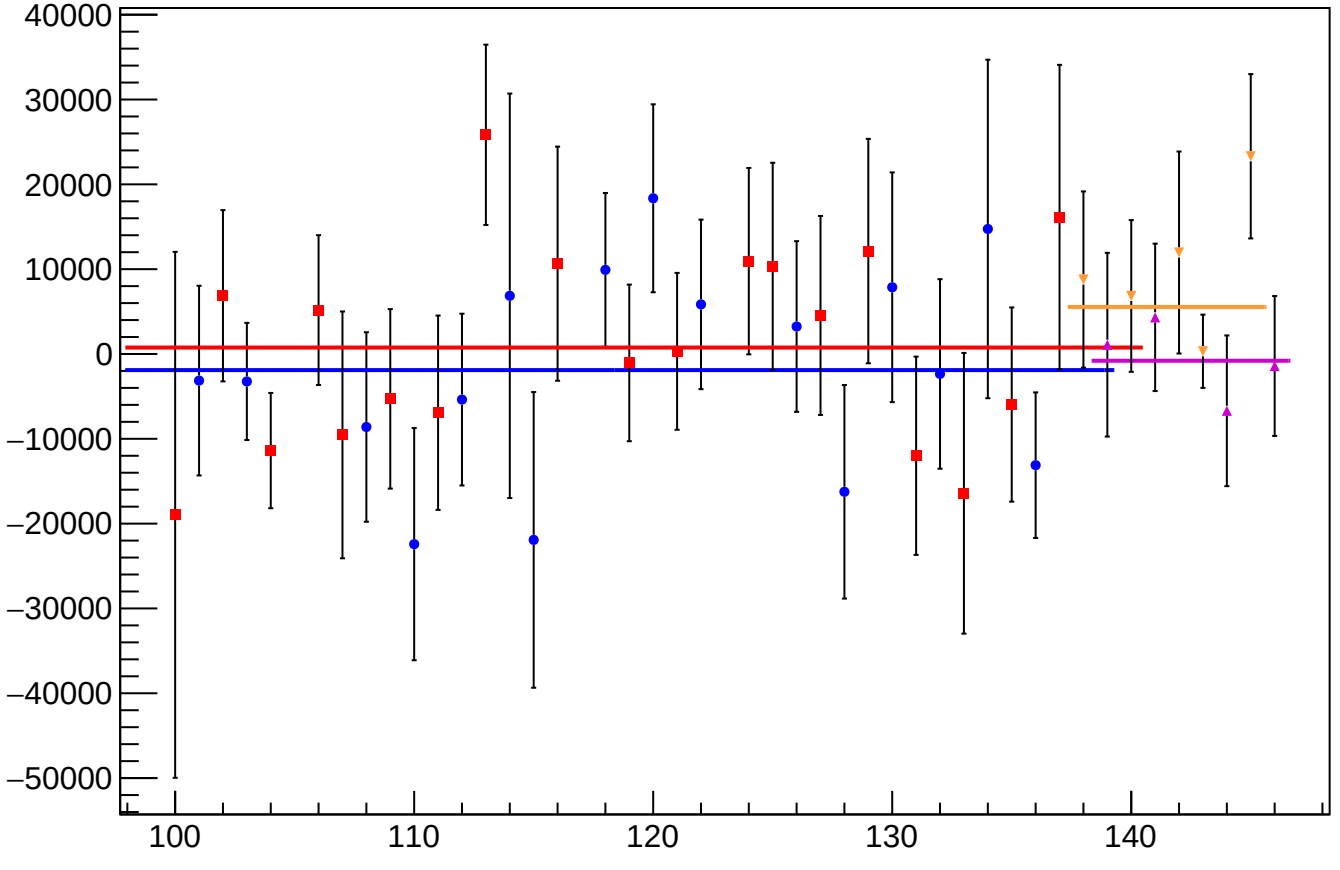
Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

+ sign 1770.690+/-0.387 χ^2/NDF: 836523.6/20

All: 1748.596+/-0.270 χ^2/NDF: 1405488.3/43

- sign 1727.629+/-0.377 χ^2/NDF: 562596.5/22

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 5550.726+/-3277.502 χ^2/NDF:5.2/4

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

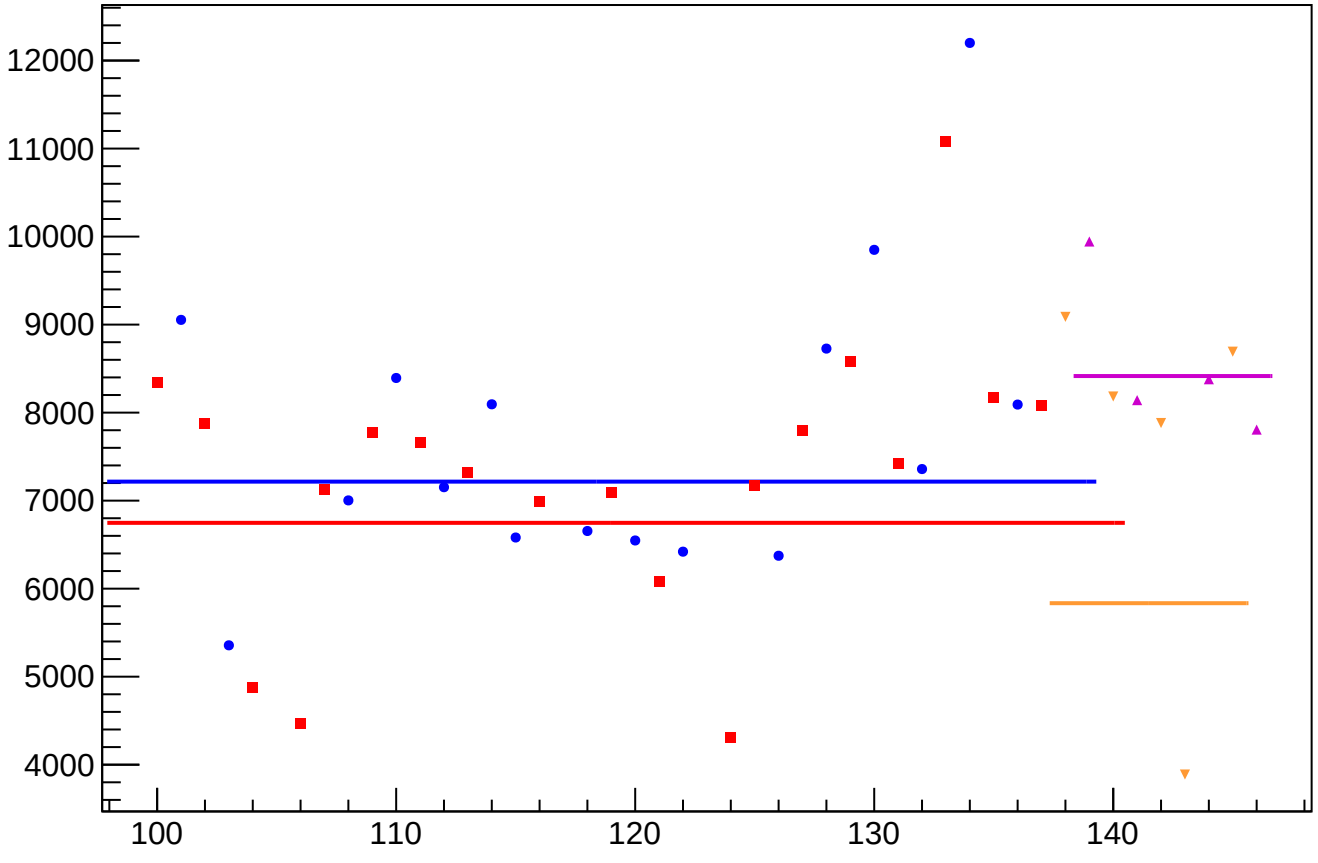
Left In: -796.935+/-4511.187 χ^2/NDF:0.8/3

+ sign 1164.975+/-2102.143 χ^2/NDF: 22.6/20

All: 796.171+/-1526.358 χ^2/NDF: 40.9/43

- sign 384.907+/-2219.856 χ^2/NDF: 18.2/22

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5834.888+/-2.318 χ^2/NDF:973424.3/4

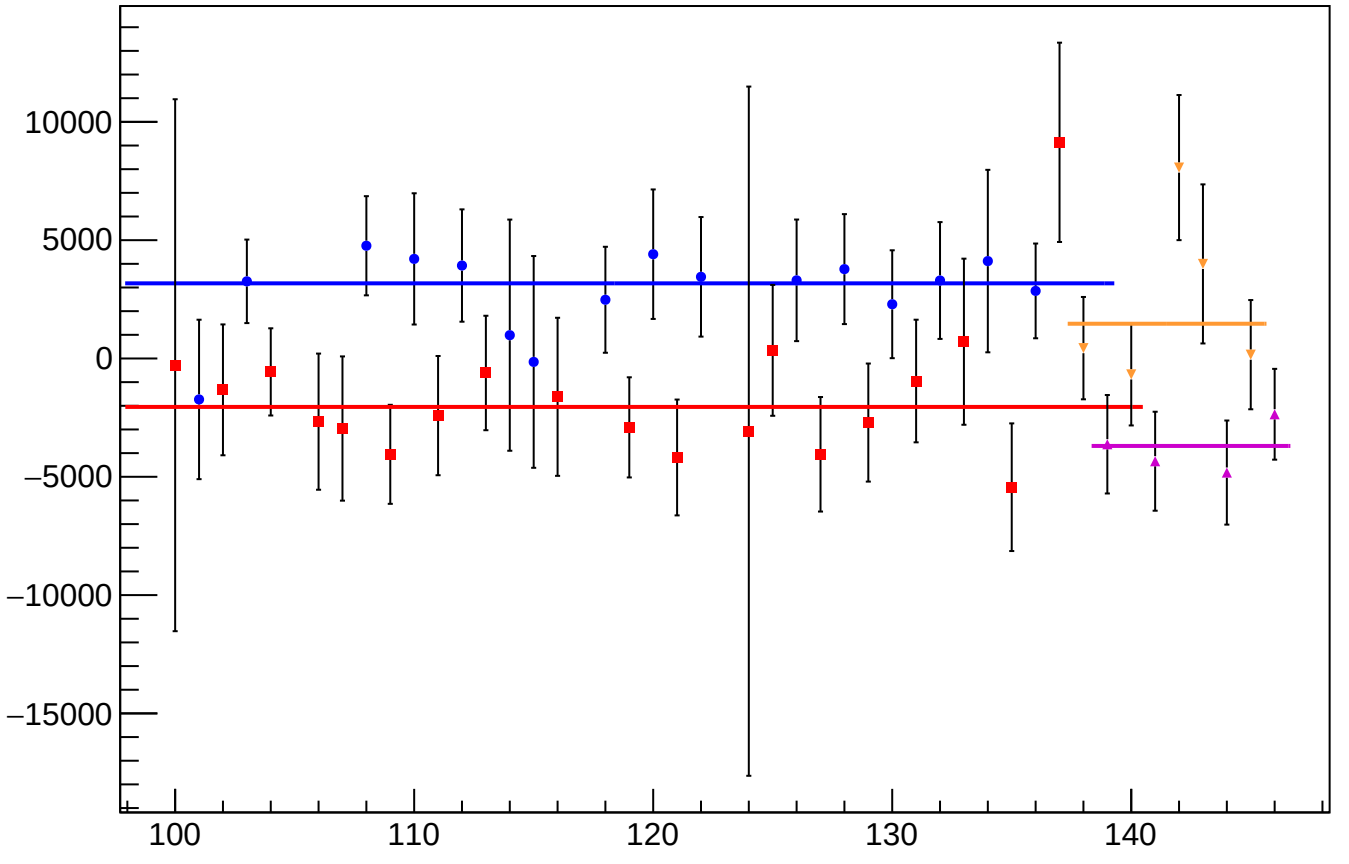
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8415.611+/-3.190 χ^2/NDF:52741.1/3

+ sign 6647.861+/-1.486 χ^2/NDF: 1694604.6/20

All: 6886.020+/-1.079 χ^2/NDF: 2717623.2/43

- sign 7151.597+/-1.570 χ^2/NDF: 968721.9/22



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1468.578+/-1110.410 χ^2/NDF:6.7/4

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

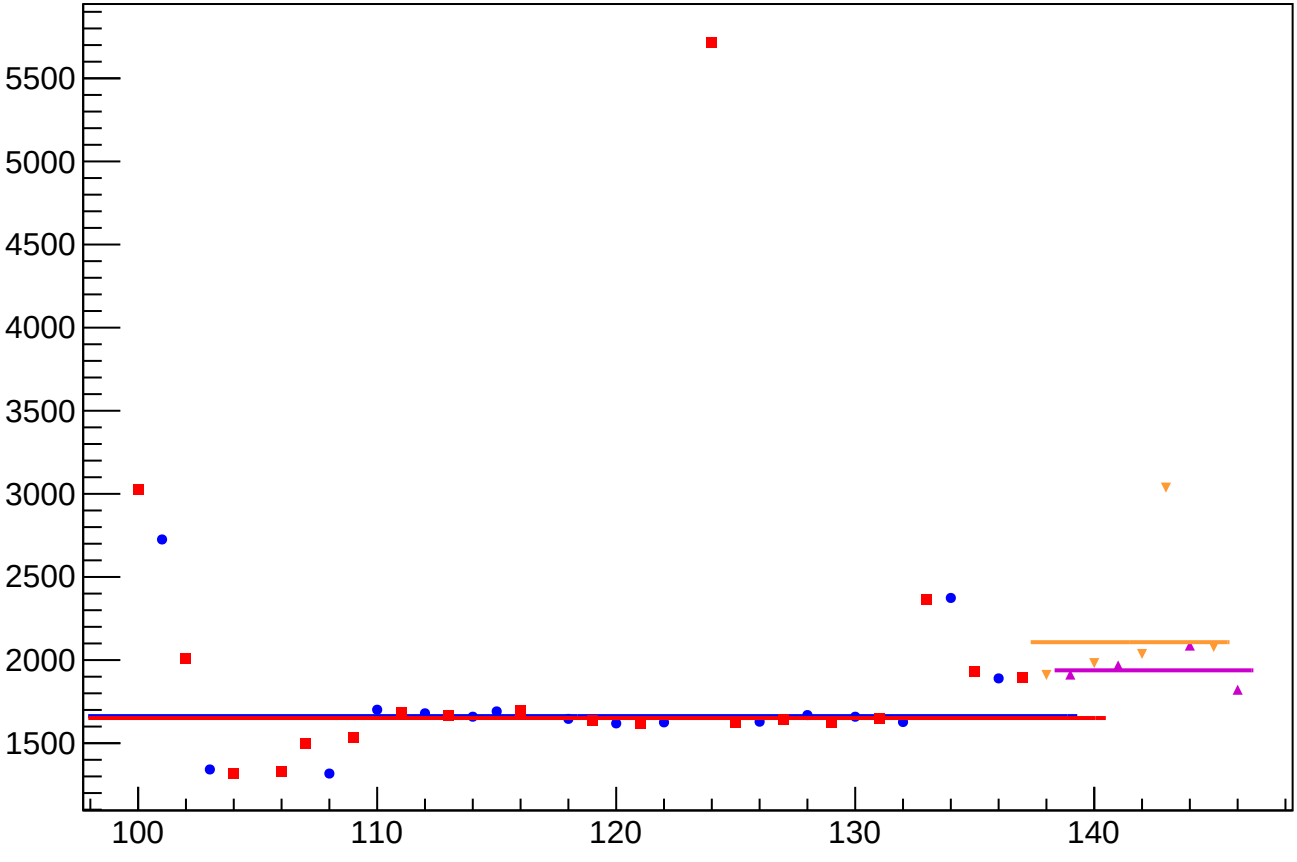
Left In: -3696.215+/-1032.624 χ^2/NDF:0.8/3

+ sign 2761.994+/-546.629 χ^2/NDF: 12.8/20

All: 69.413+/-381.429 χ^2/NDF: 76.9/43

- sign -2485.703+/-532.492 χ^2/NDF: 16.8/22

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2107.693+/-0.785 χ^2/NDF:177754.7/4

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

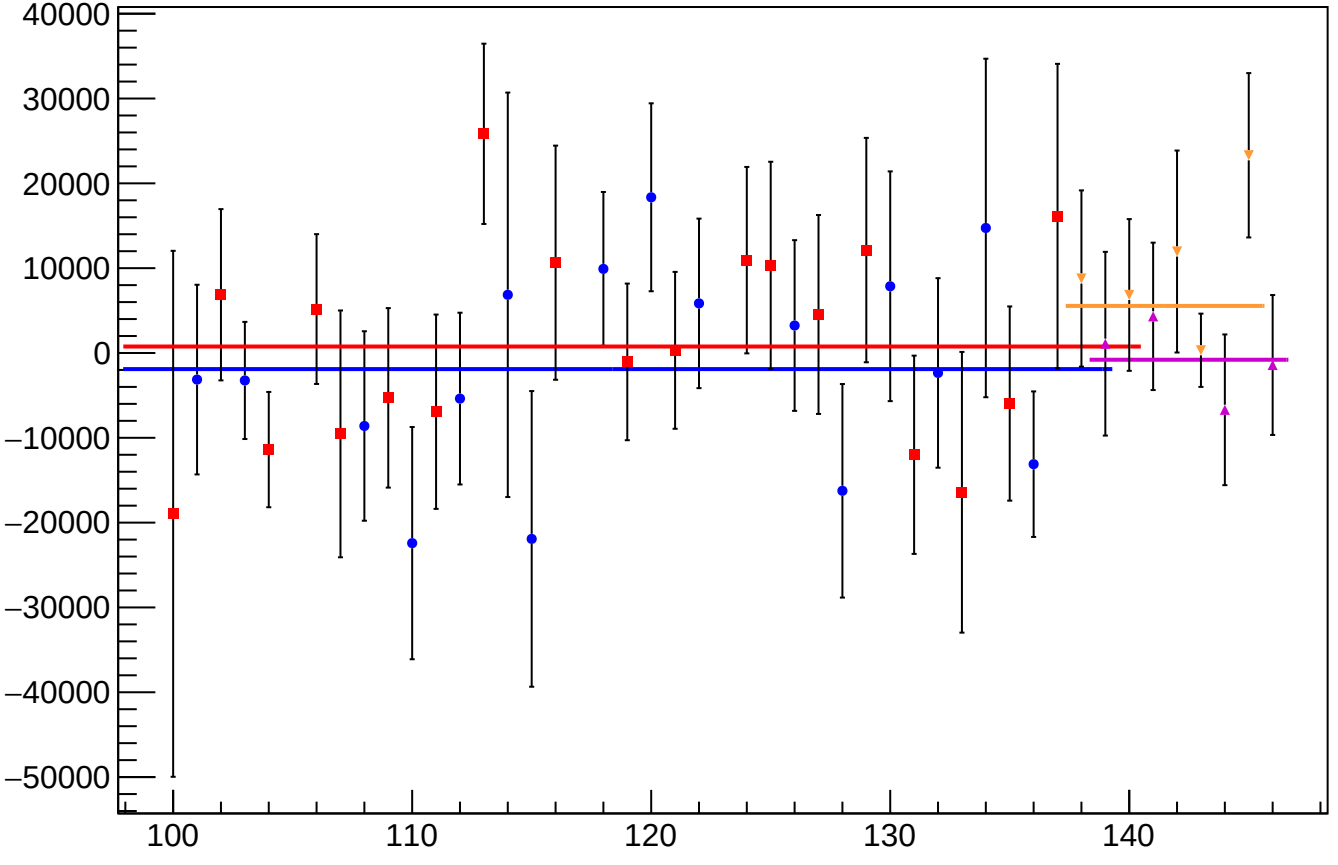
Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

+ sign 1770.690+/-0.387 χ^2/NDF: 836523.6/20

All: 1748.596+/-0.270 χ^2/NDF: 1405488.3/43

- sign 1727.629+/-0.377 χ^2/NDF: 562596.5/22

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 5550.726+/-3277.502 χ^2/NDF:5.2/4

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

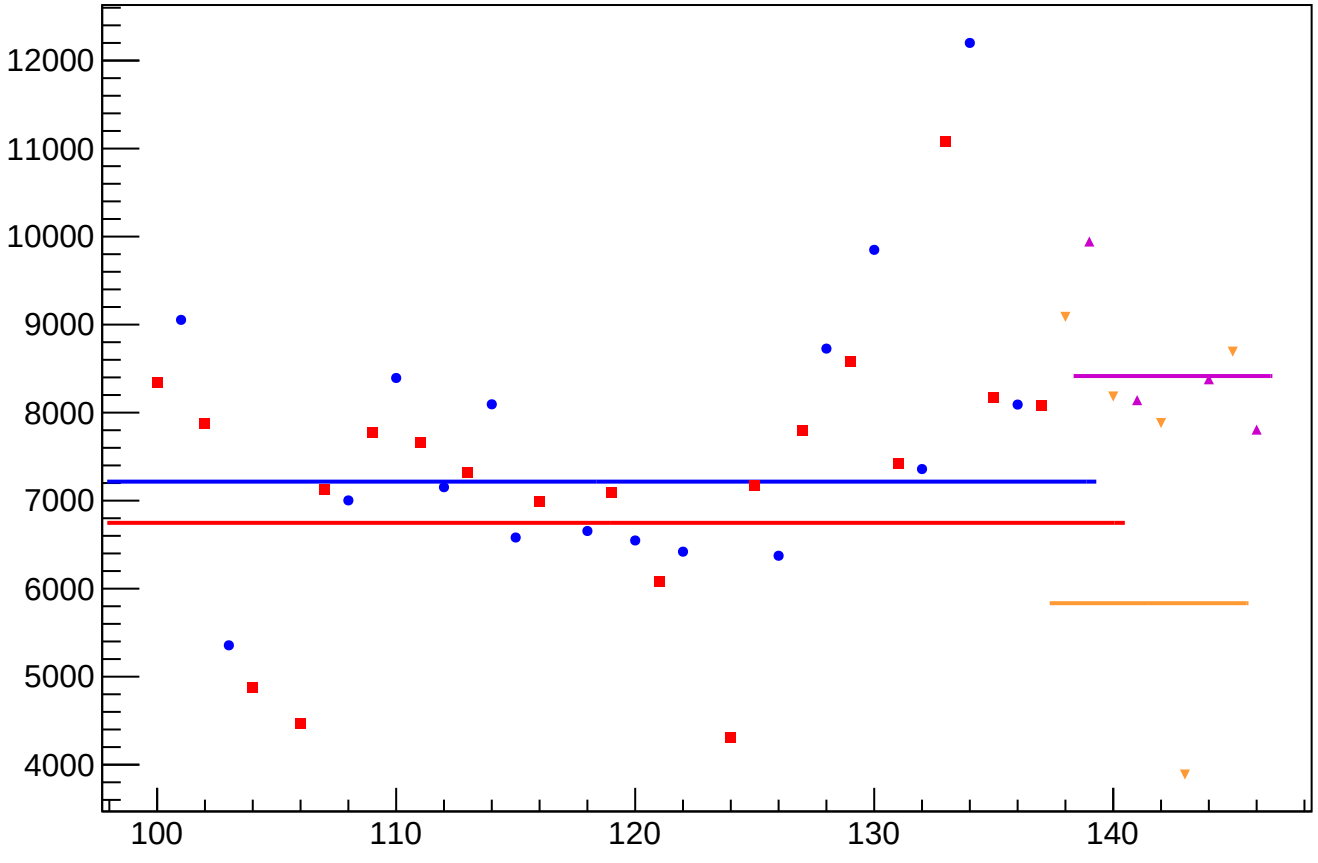
Left In: -796.935+/-4511.187 χ^2/NDF:0.8/3

+ sign 1164.975+/-2102.143 χ^2/NDF: 22.6/20

All: 796.171+/-1526.358 χ^2/NDF: 40.9/43

- sign 384.907+/-2219.856 χ^2/NDF: 18.2/22

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5834.888+/-2.318 χ^2/NDF:973424.3/4

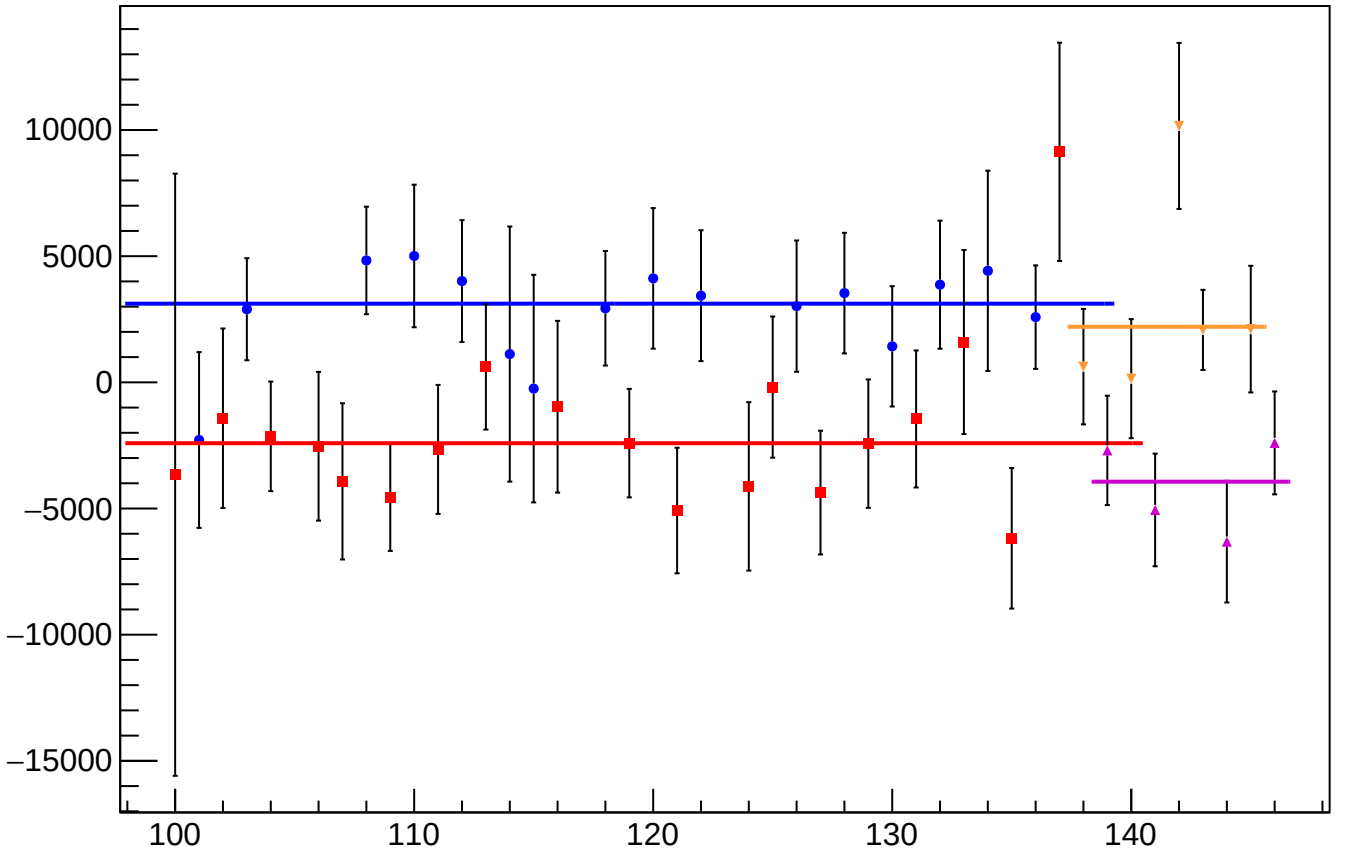
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8415.611+/-3.190 χ^2/NDF:52741.1/3

+ sign 6647.861+/-1.486 χ^2/NDF: 1694604.6/20

All: 6886.020+/-1.079 χ^2/NDF: 2717623.2/43

- sign 7151.597+/-1.570 χ^2/NDF: 968721.9/22



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 2202.160+/-990.872 χ^2/NDF:7.1/4

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

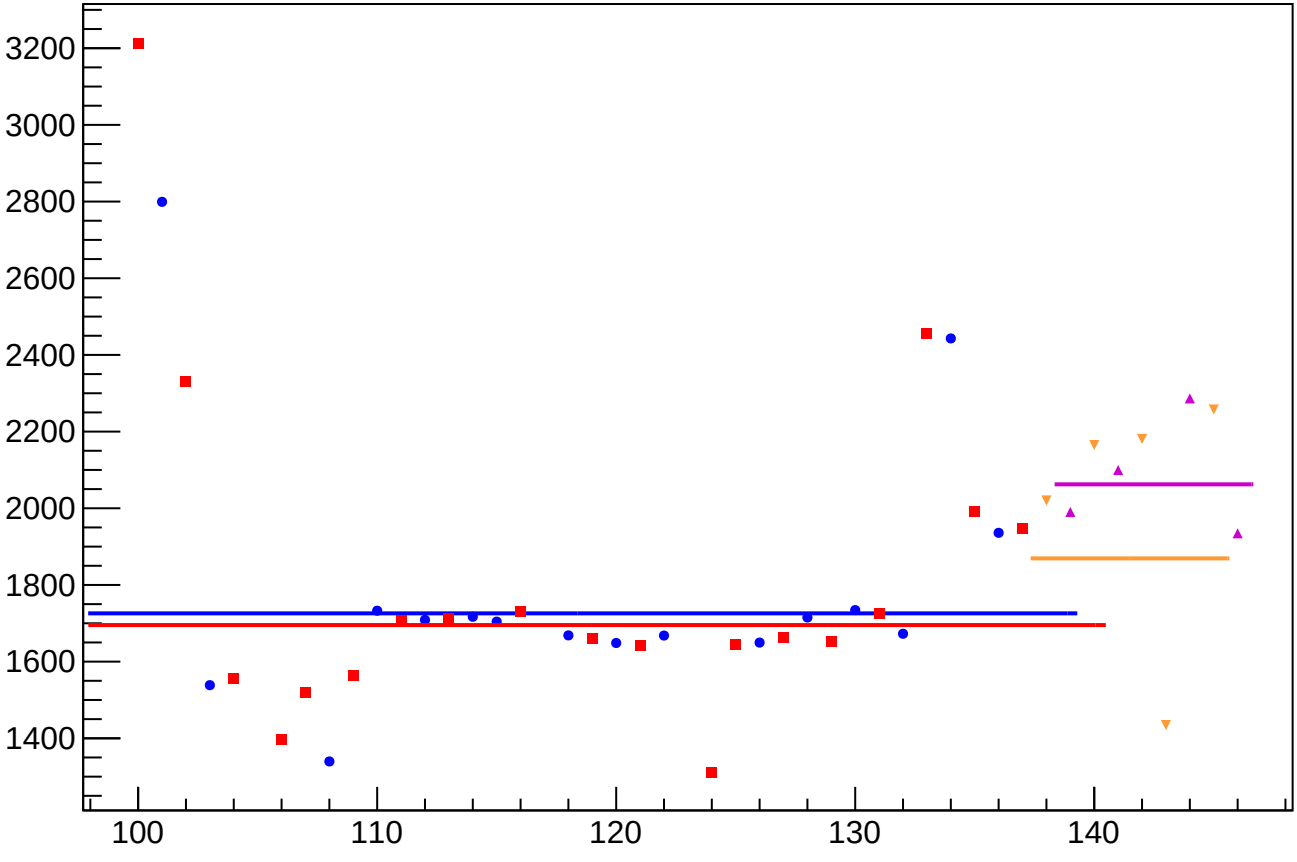
Left In: -3937.153+/-1100.091 χ^2/NDF:2.1/3

+ sign 2841.716+/-544.150 χ^2/NDF: 13.0/20

All: 65.529+/-387.711 χ^2/NDF: 85.4/43

- sign -2797.136+/-552.560 χ^2/NDF: 19.5/22

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1869.313+/-0.701 χ^2/NDF:255805.6/4

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

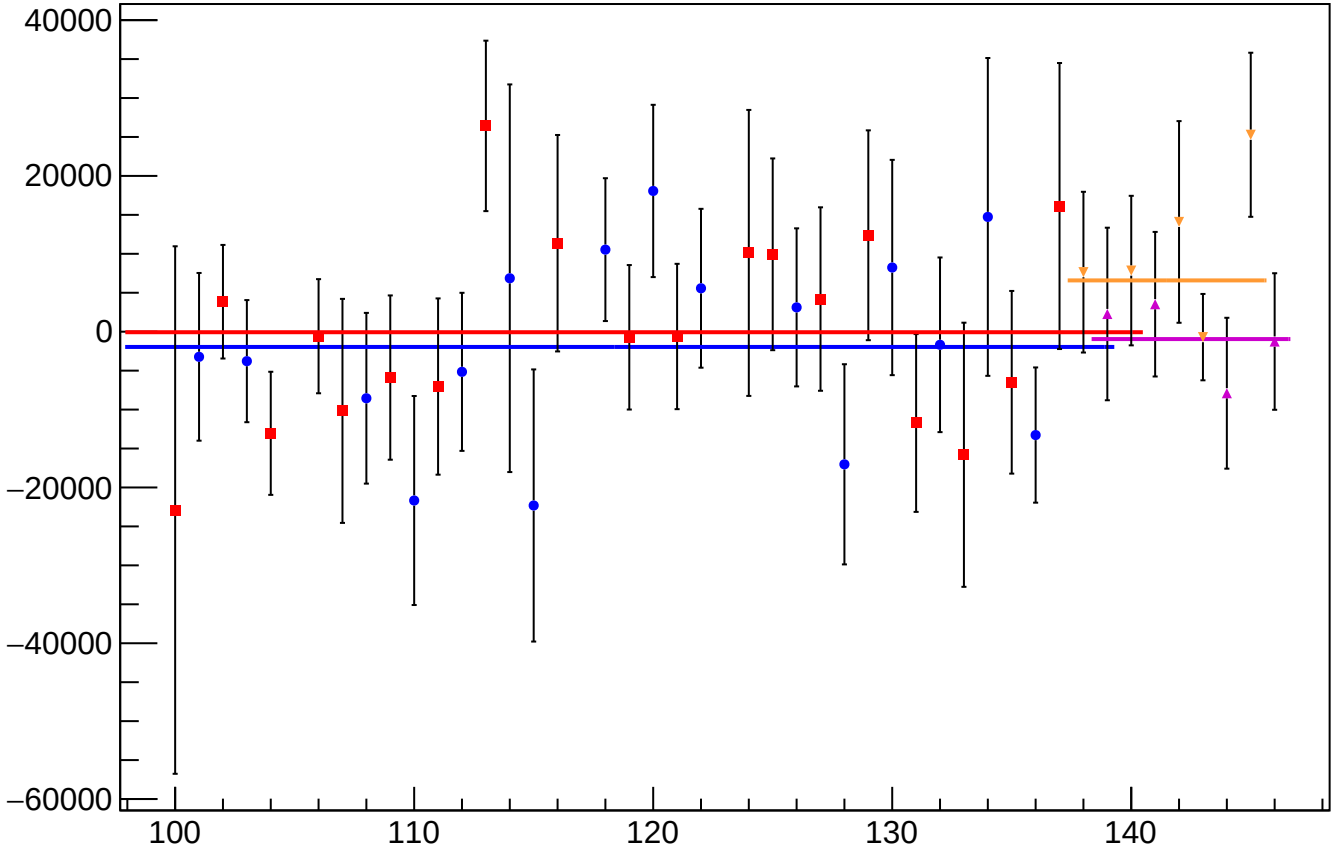
Left In: 2062.461+/-0.778 χ^2/NDF:27915.4/3

+ sign 1769.158+/-0.385 χ^2/NDF: 650701.1/20

All: 1778.410+/-0.274 χ^2/NDF: 1131942.7/43

- sign 1787.945+/-0.391 χ^2/NDF: 480067.5/22

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 6584.200+/-3841.521 χ^2/NDF:5.2/4

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

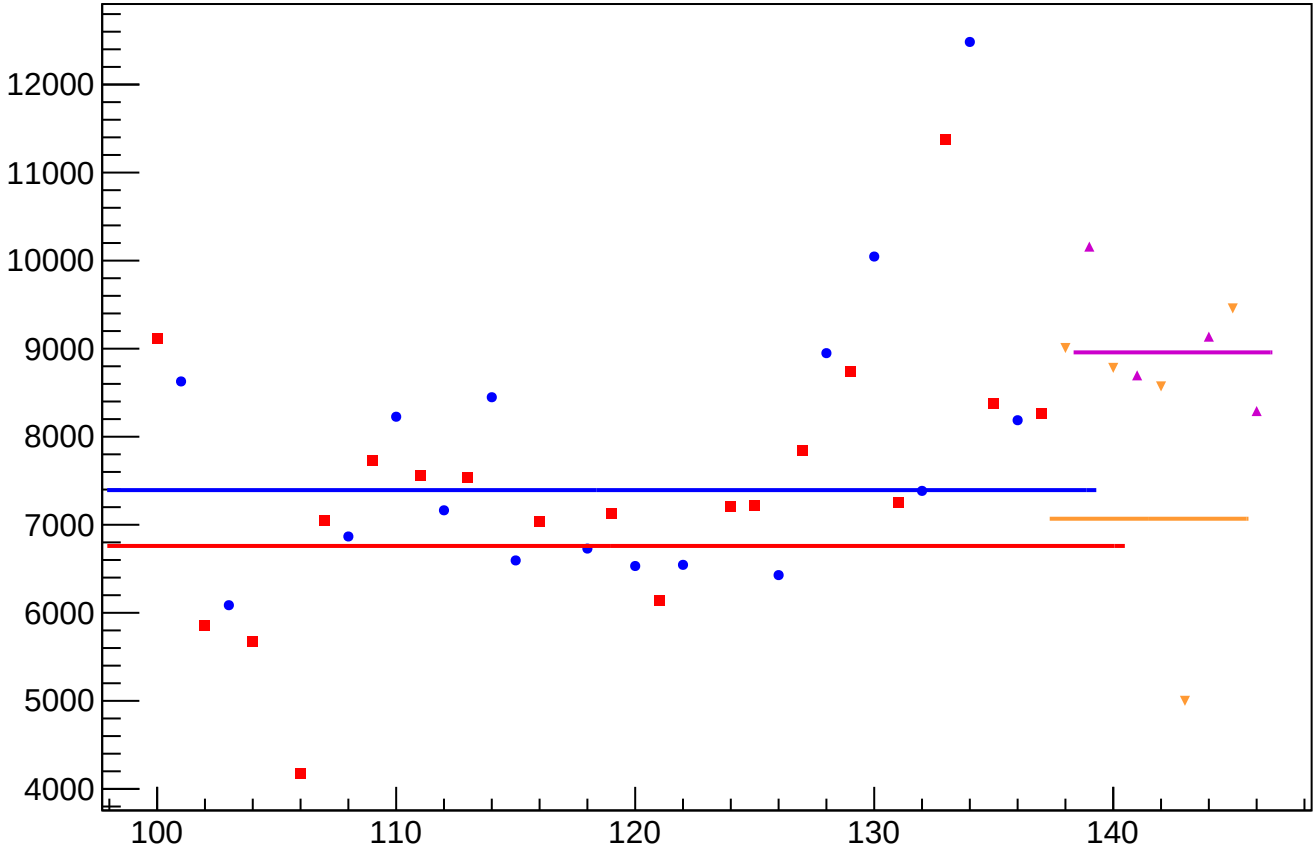
Left In: -946.893+/-4798.238 χ^2/NDF:0.8/3

+ sign 1002.964+/-2261.839 χ^2/NDF: 22.9/20

All: 365.060+/-1590.733 χ^2/NDF: 40.0/43

- sign -259.261+/-2237.628 χ^2/NDF: 17.0/22

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7068.587+/-2.716 χ^2/NDF:542491.2/4

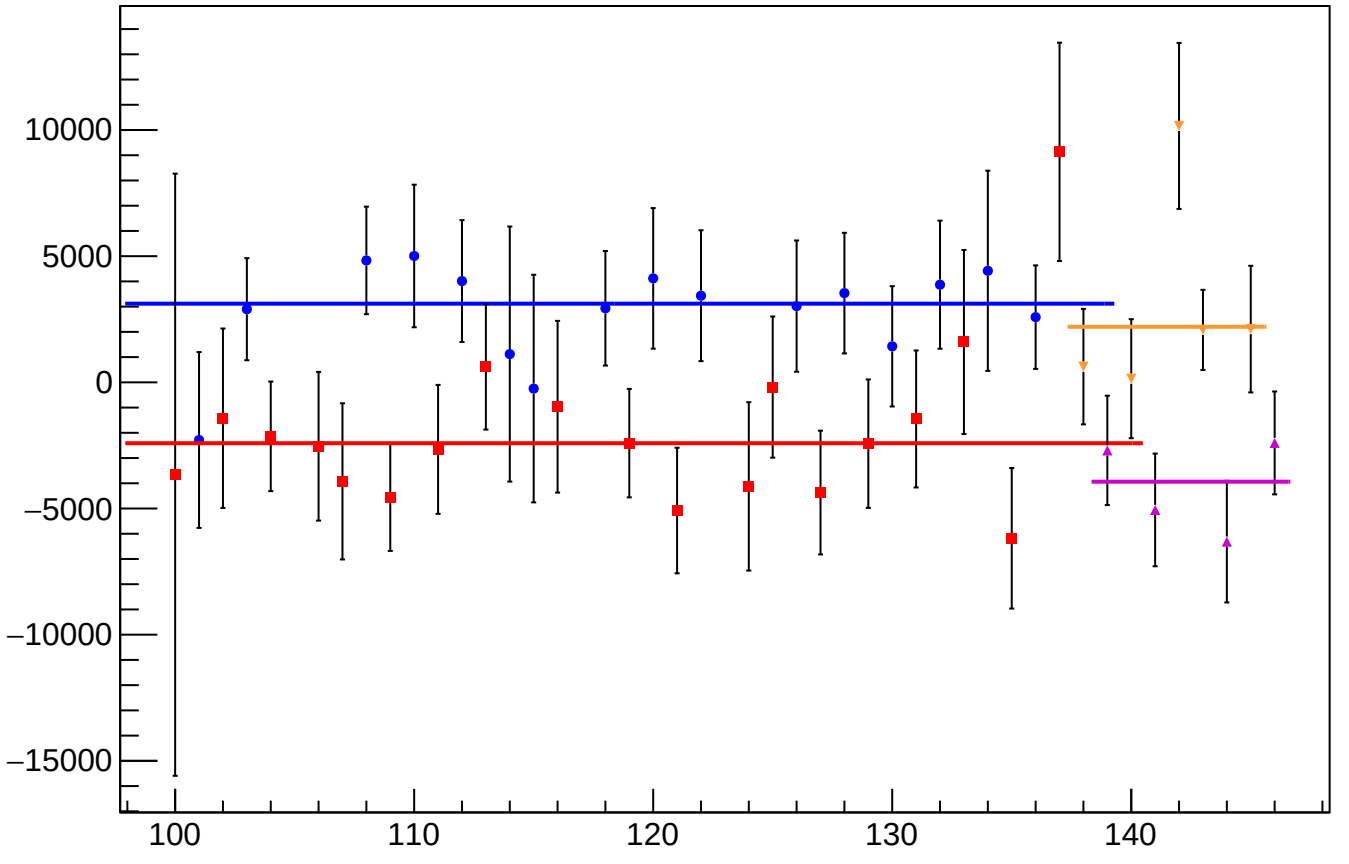
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8957.881+/-3.393 χ^2/NDF:37339.1/3

+ sign 7280.942+/-1.599 χ^2/NDF: 953672.4/20

All: 7259.007+/-1.125 χ^2/NDF: 1964222.1/43

- sign 7237.540+/-1.582 χ^2/NDF: 1010177.6/22



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 2202.170+/-990.874 χ^2/NDF:7.1/4

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

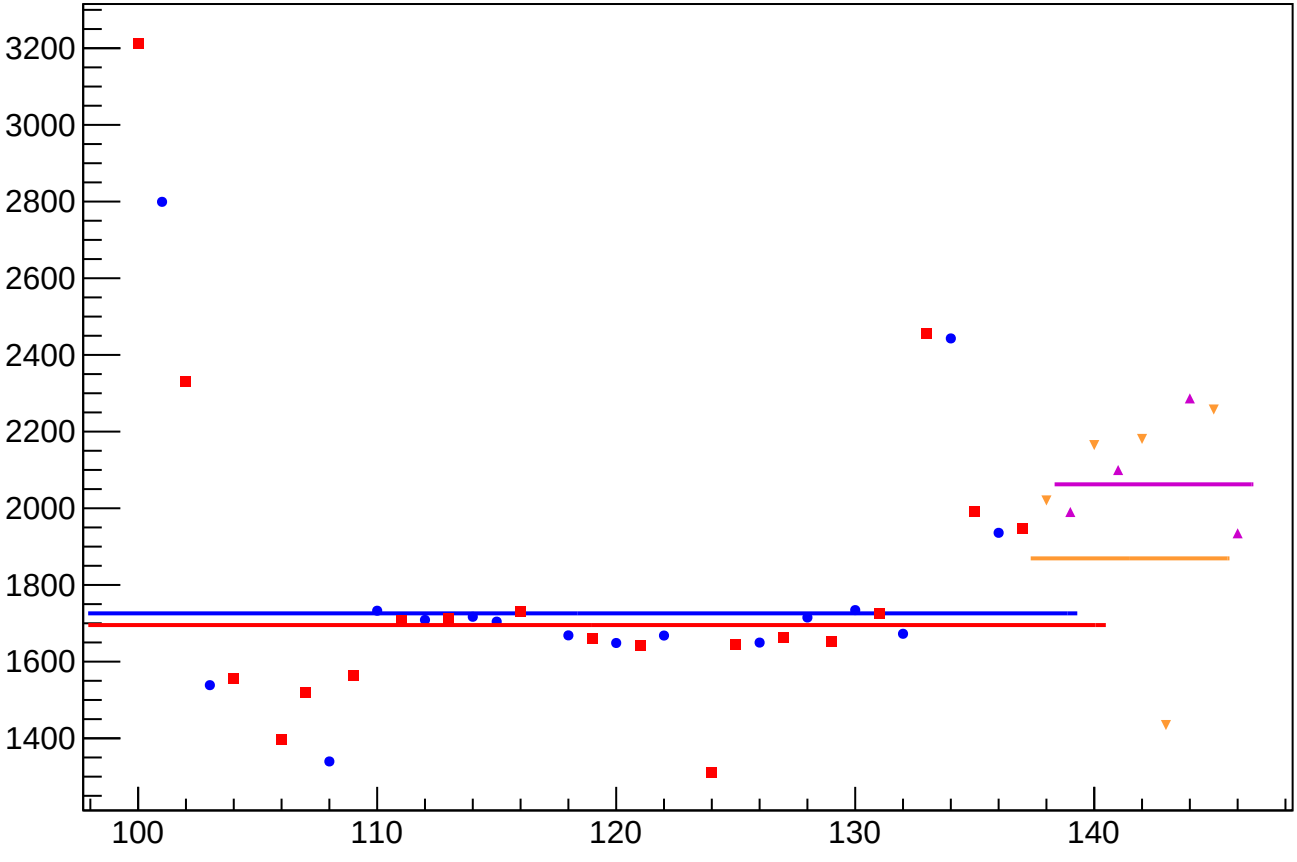
Left In: -3937.144+/-1100.093 χ^2/NDF:2.1/3

+ sign 2841.722+/-544.150 χ^2/NDF: 13.0/20

All: 65.531+/-387.711 χ^2/NDF: 85.4/43

- sign -2797.138+/-552.560 χ^2/NDF: 19.5/22

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1869.316+/-0.701 χ^2/NDF:255806.0/4

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

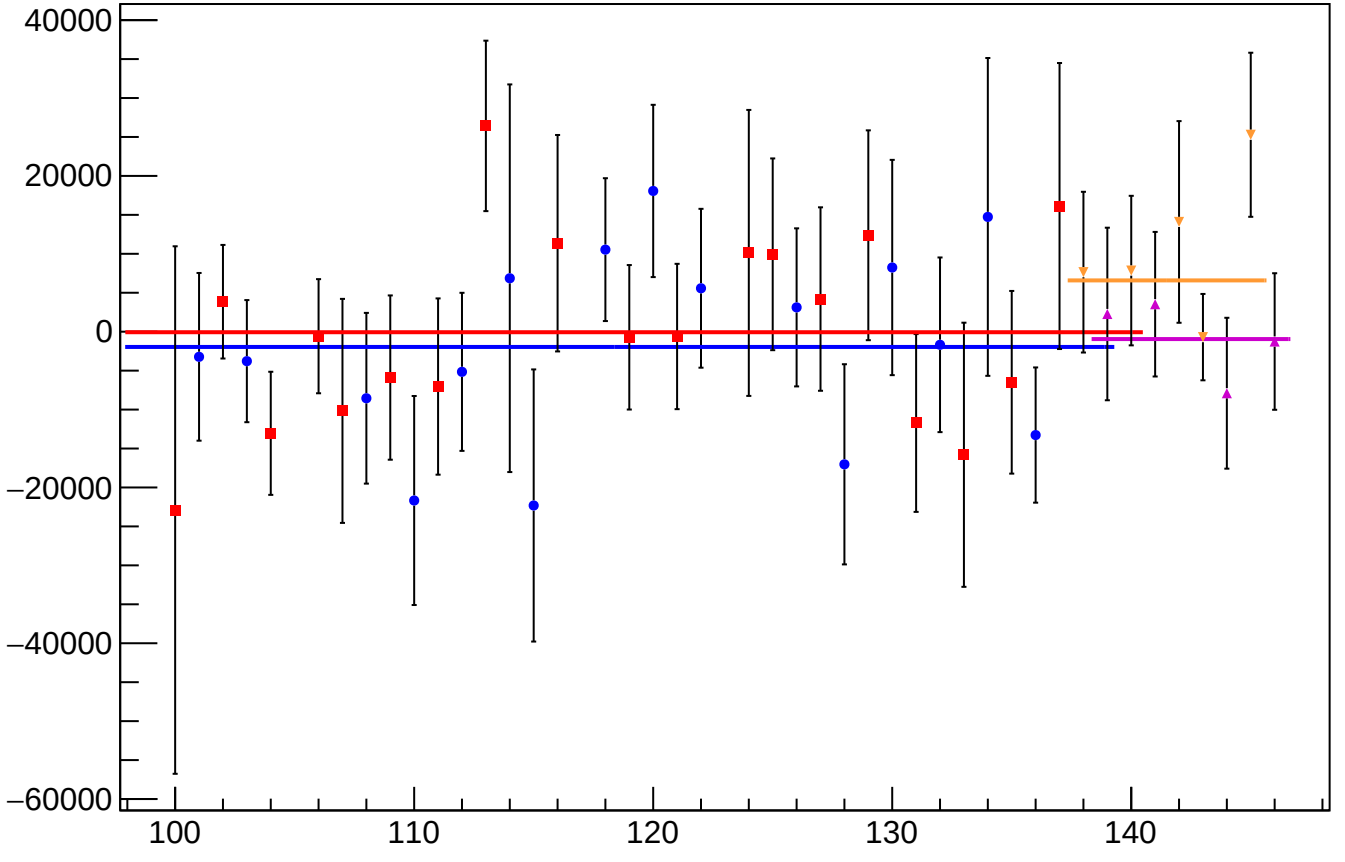
Left In: 2062.464+/-0.778 χ^2/NDF:27915.4/3

+ sign 1769.158+/-0.385 χ^2/NDF: 650702.8/20

All: 1778.410+/-0.274 χ^2/NDF: 1131947.6/43

- sign 1787.945+/-0.391 χ^2/NDF: 480070.7/22

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 6584.208+/-3841.528 χ^2/NDF:5.2/4

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

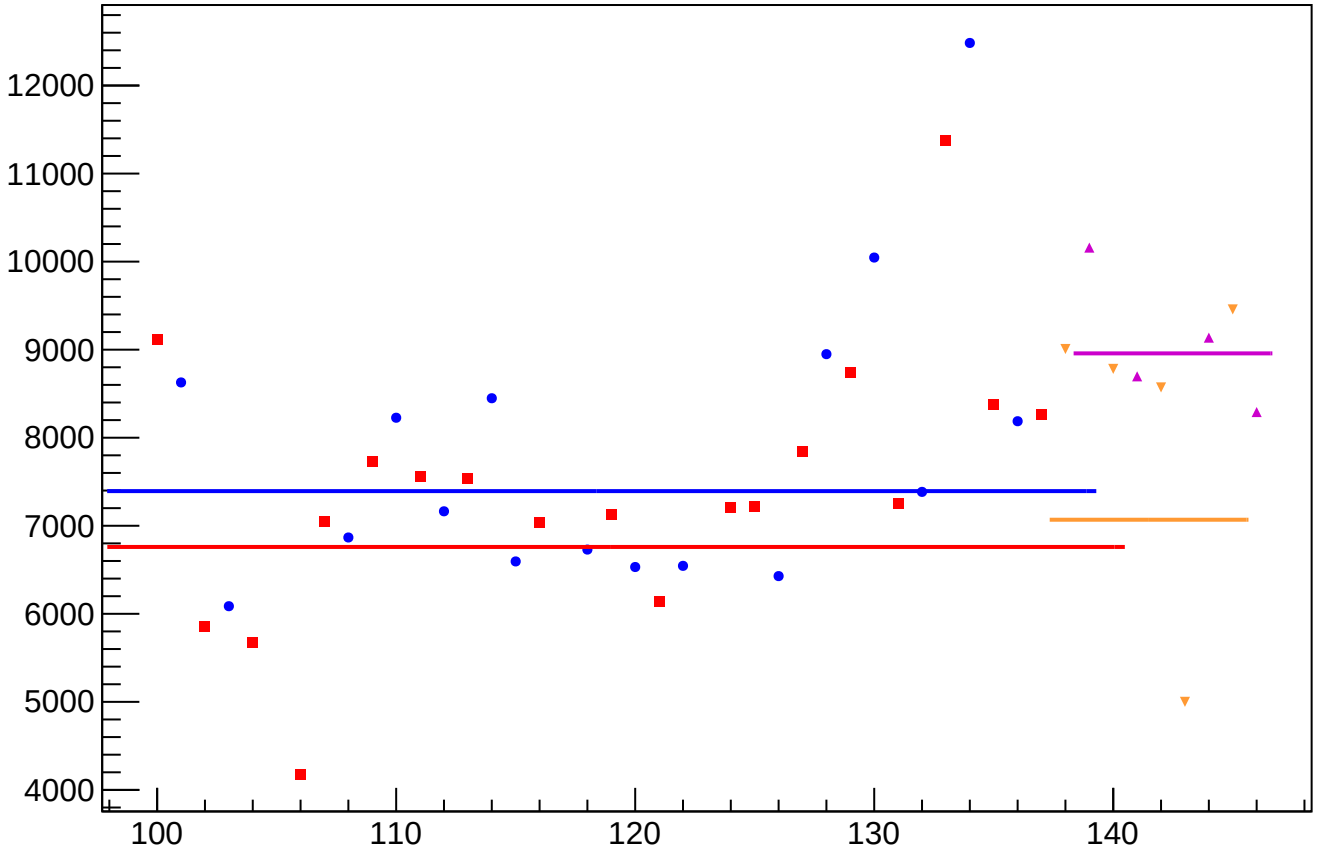
Left In: -946.883+/-4798.246 χ^2/NDF:0.8/3

+ sign 1002.965+/-2261.837 χ^2/NDF: 22.9/20

All: 365.059+/-1590.731 χ^2/NDF: 40.0/43

- sign -259.263+/-2237.625 χ^2/NDF: 17.0/22

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7068.600+/-2.716 χ^2/NDF:542491.5/4

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

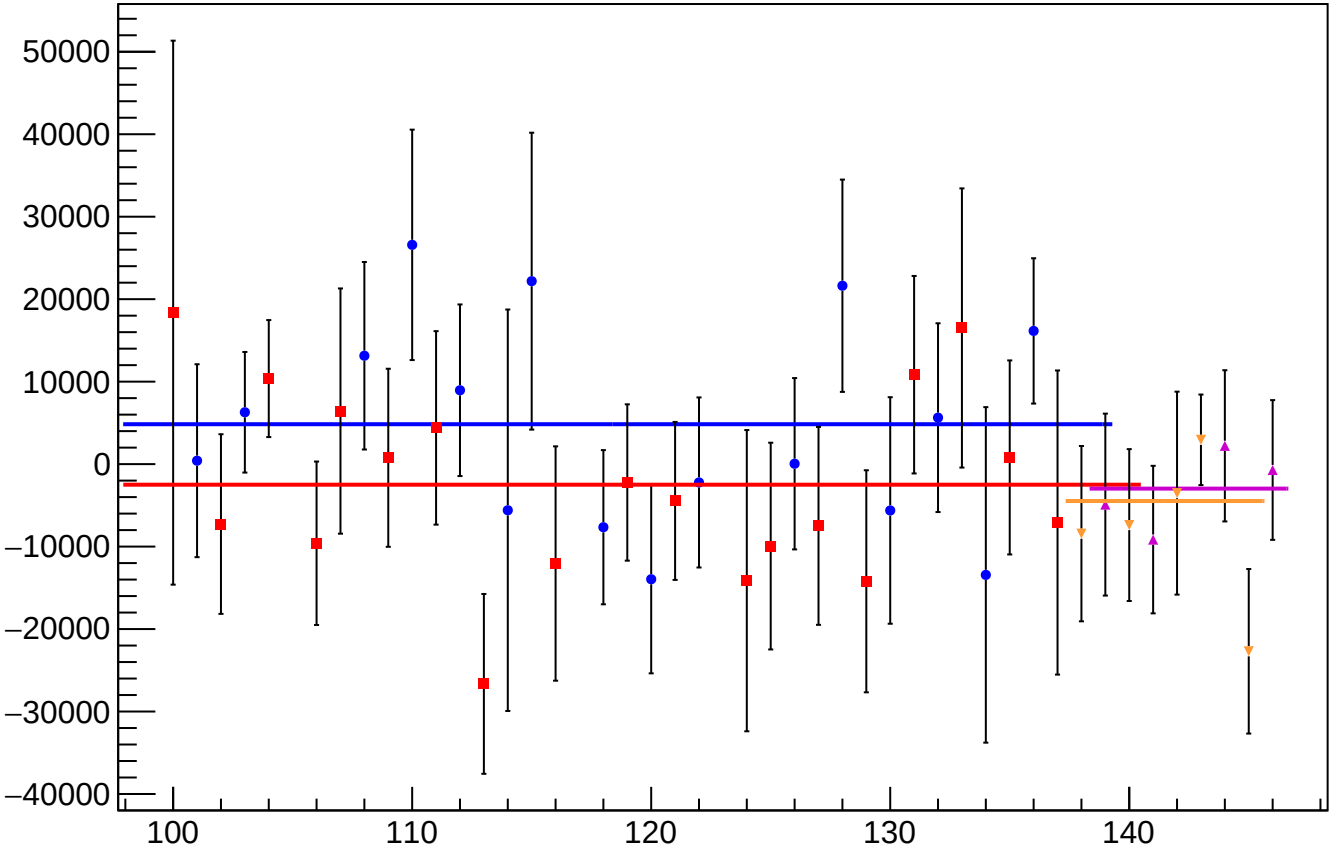
Left In: 8957.895+/-3.393 χ^2/NDF:37339.6/3

+ sign 7280.936+/-1.599 χ^2/NDF: 953673.2/20

All: 7258.999+/-1.125 χ^2/NDF: 1964230.4/43

- sign 7237.529+/-1.582 χ^2/NDF: 1010185.0/22

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -4476.425+/-3767.059 χ^2/NDF:5.4/4

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

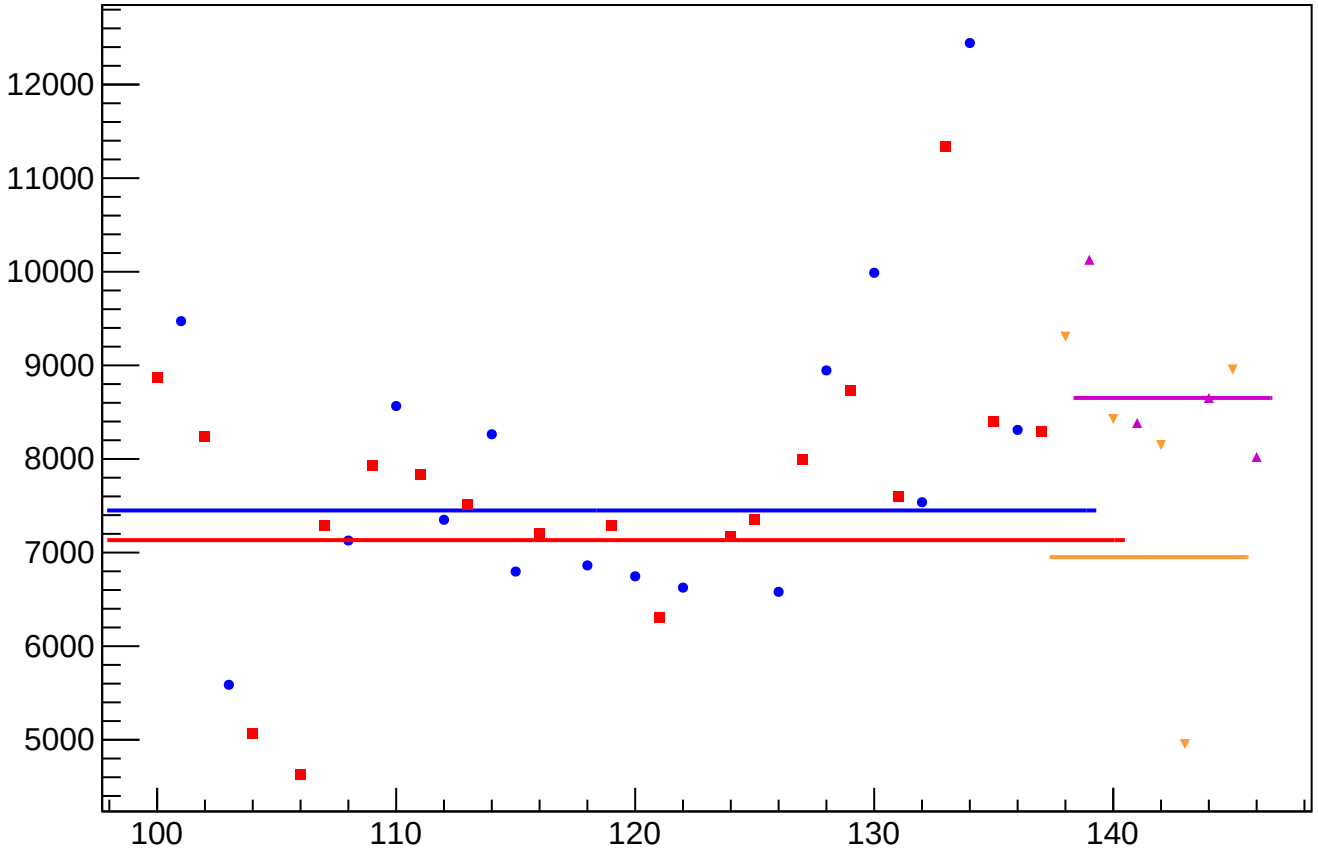
Left In: -2970.354+/-4634.848 χ^2/NDF:0.9/3

+ sign 1479.189+/-2262.089 χ^2/NDF: 23.6/20

All: -507.642+/-1623.057 χ^2/NDF: 41.1/43

- sign -2615.775+/-2330.119 χ^2/NDF: 15.8/22

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 6952.076+/-2.664 χ^2/NDF:513886.3/4

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

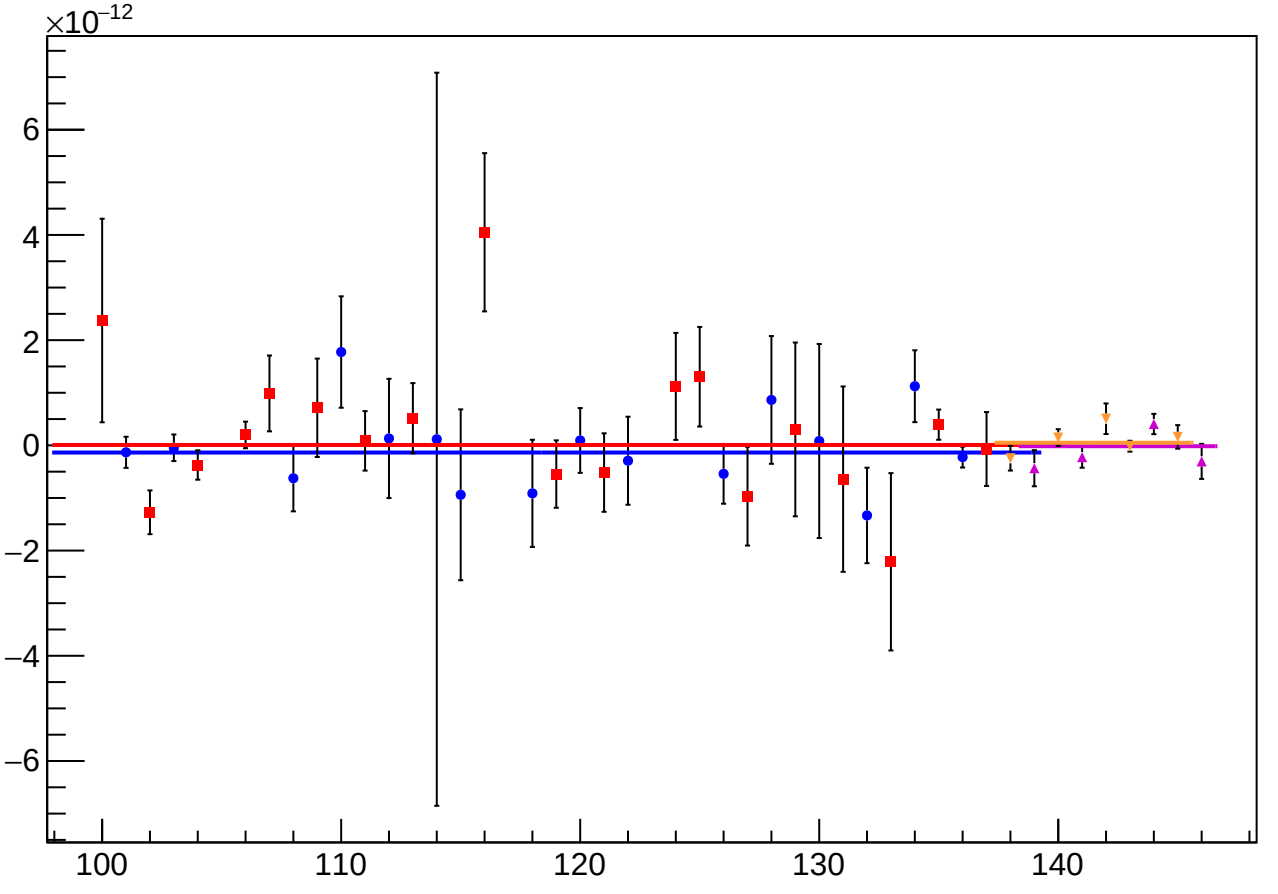
Left In: 8652.168+/-3.277 χ^2/NDF:48707.2/3

+ sign 7270.446+/-1.600 χ^2/NDF: 1022655.3/20

All: 7390.082+/-1.148 χ^2/NDF: 1800426.8/43

- sign 7517.010+/-1.648 χ^2/NDF: 766242.0/22

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:5.1/4

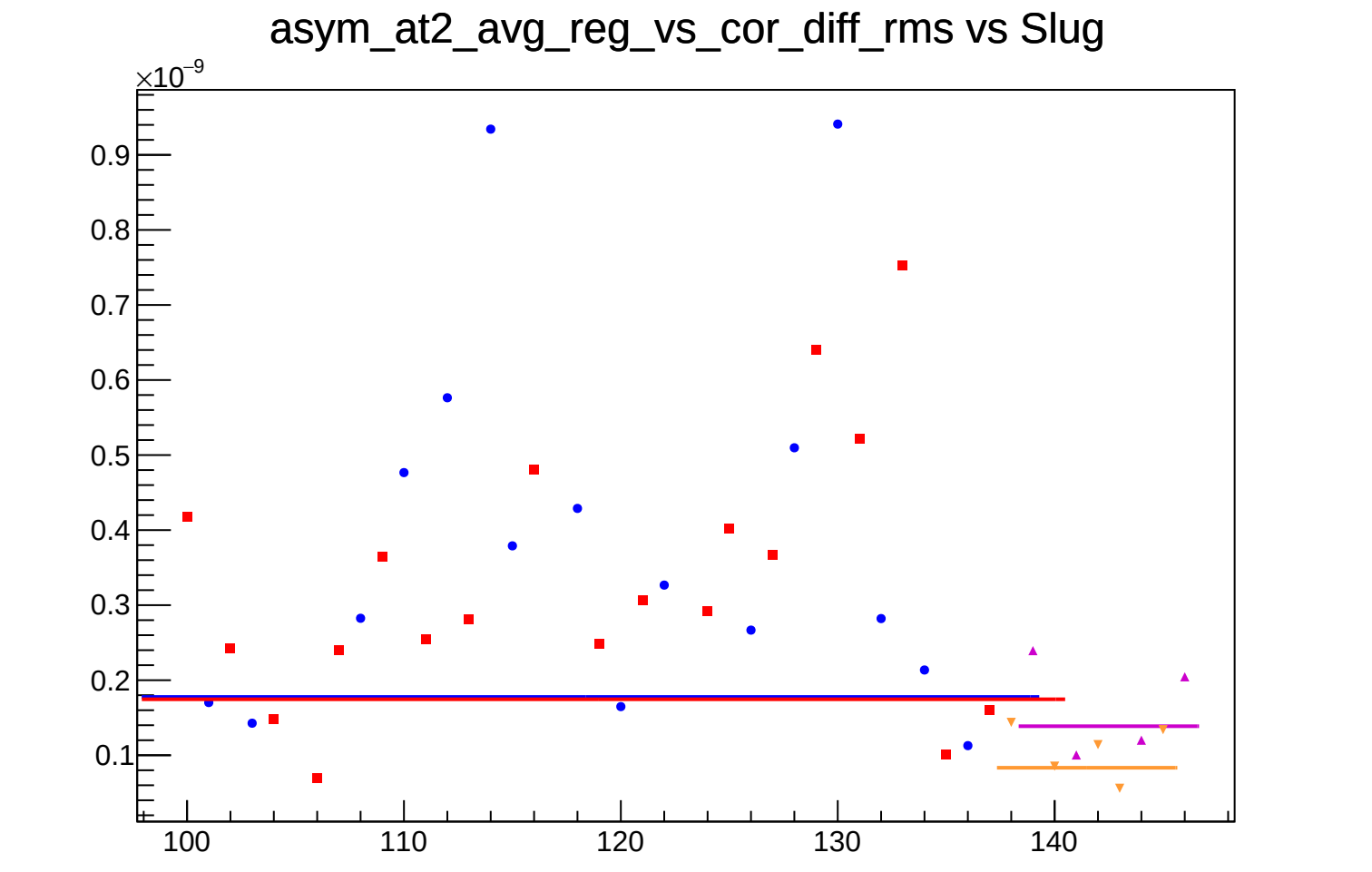
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.4/20

All: -0.000+/-0.000 χ^2/NDF: 59.3/43

- sign -0.000+/-0.000 χ^2/NDF: 40.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:398965.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

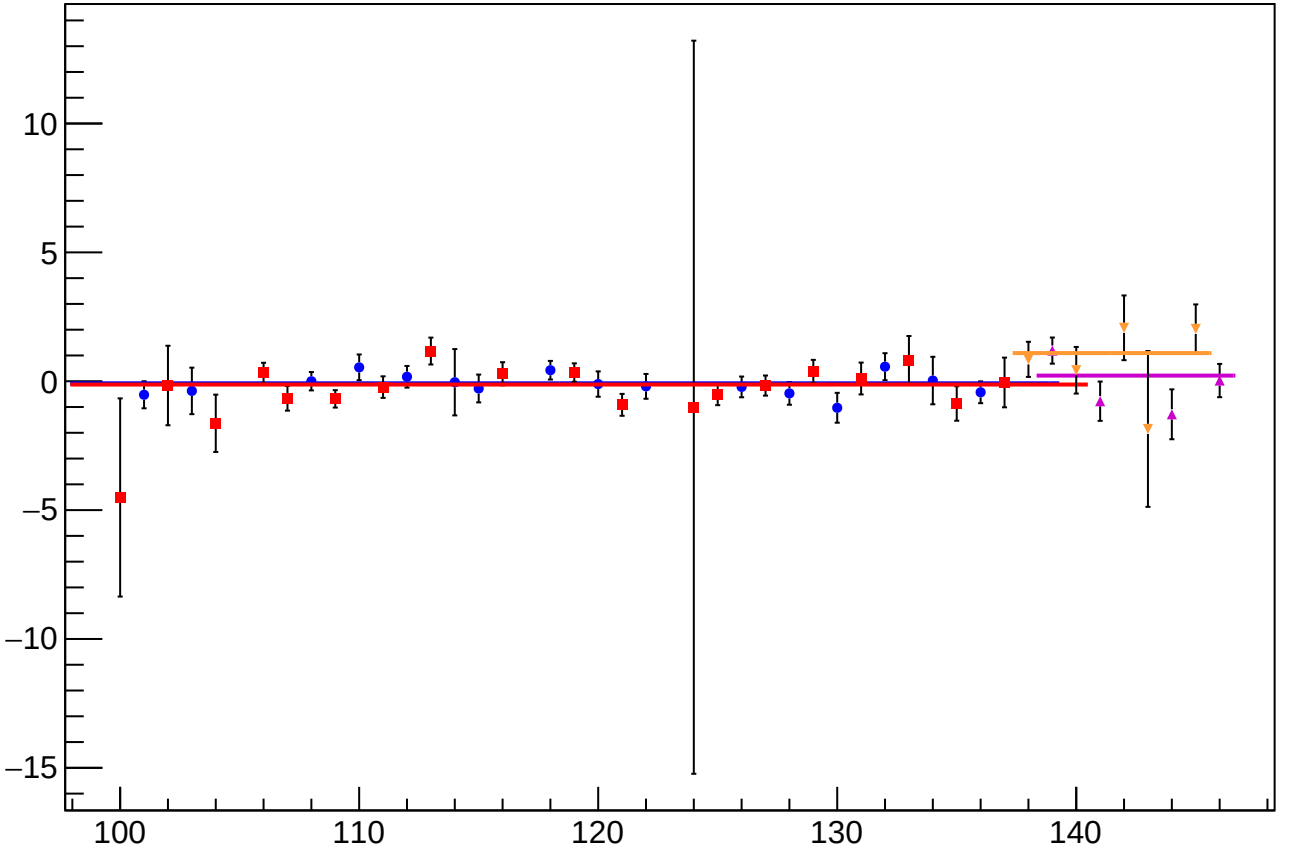
Left In: 0.000+/-0.000 χ^2/NDF:341704.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2826468.4/20

All: 0.000+/-0.000 χ^2/NDF: 5284240.9/43

- sign 0.000+/-0.000 χ^2/NDF: 2070139.6/22

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 1.093+/-0.437 χ^2/NDF:3.2/4

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

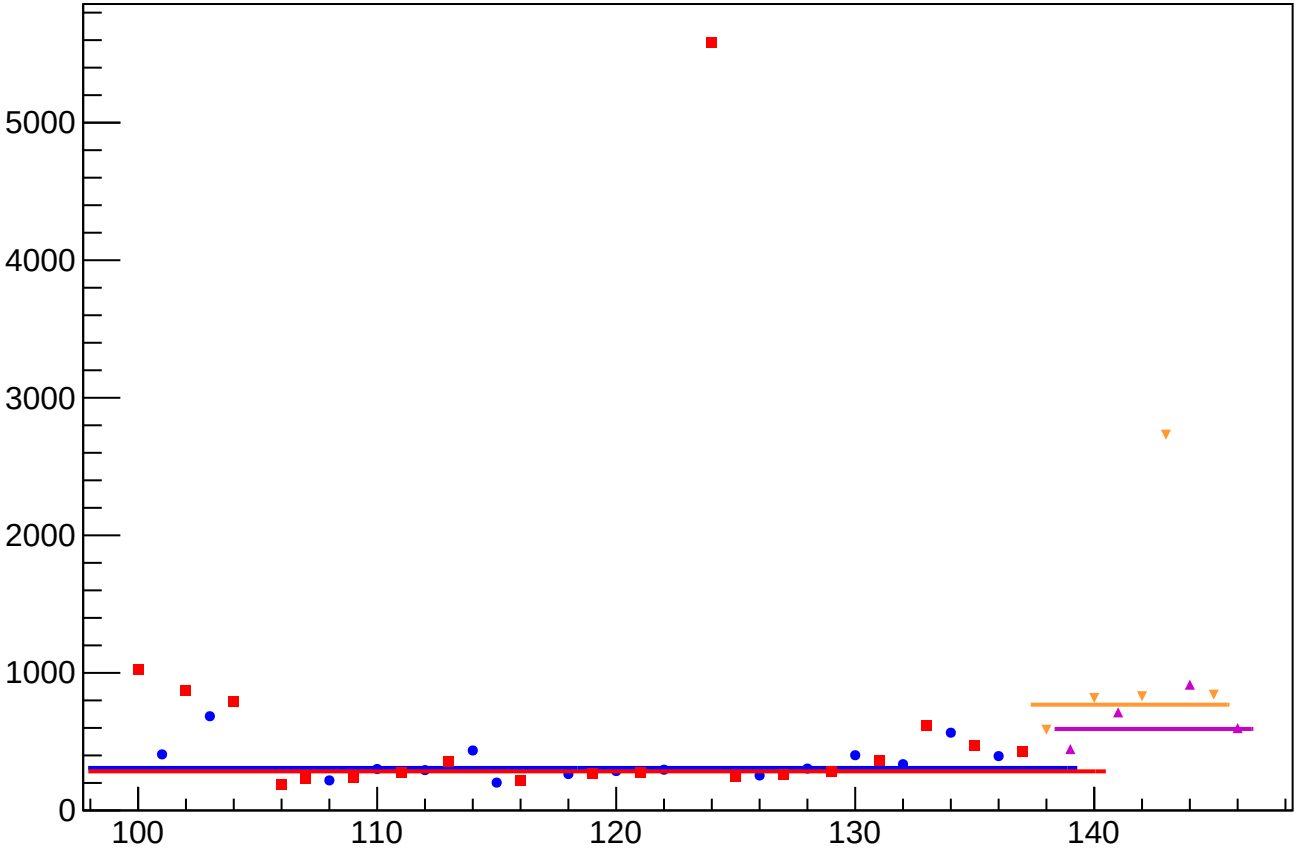
Left In: 0.219+/-0.332 χ^2/NDF:7.9/3

+ sign 0.005+/-0.117 χ^2/NDF: 20.6/20

All: -0.045+/-0.080 χ^2/NDF: 55.1/43

- sign -0.089+/-0.110 χ^2/NDF: 34.1/22

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 769.014+/-0.309 χ^2/NDF:1008138.1/4

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

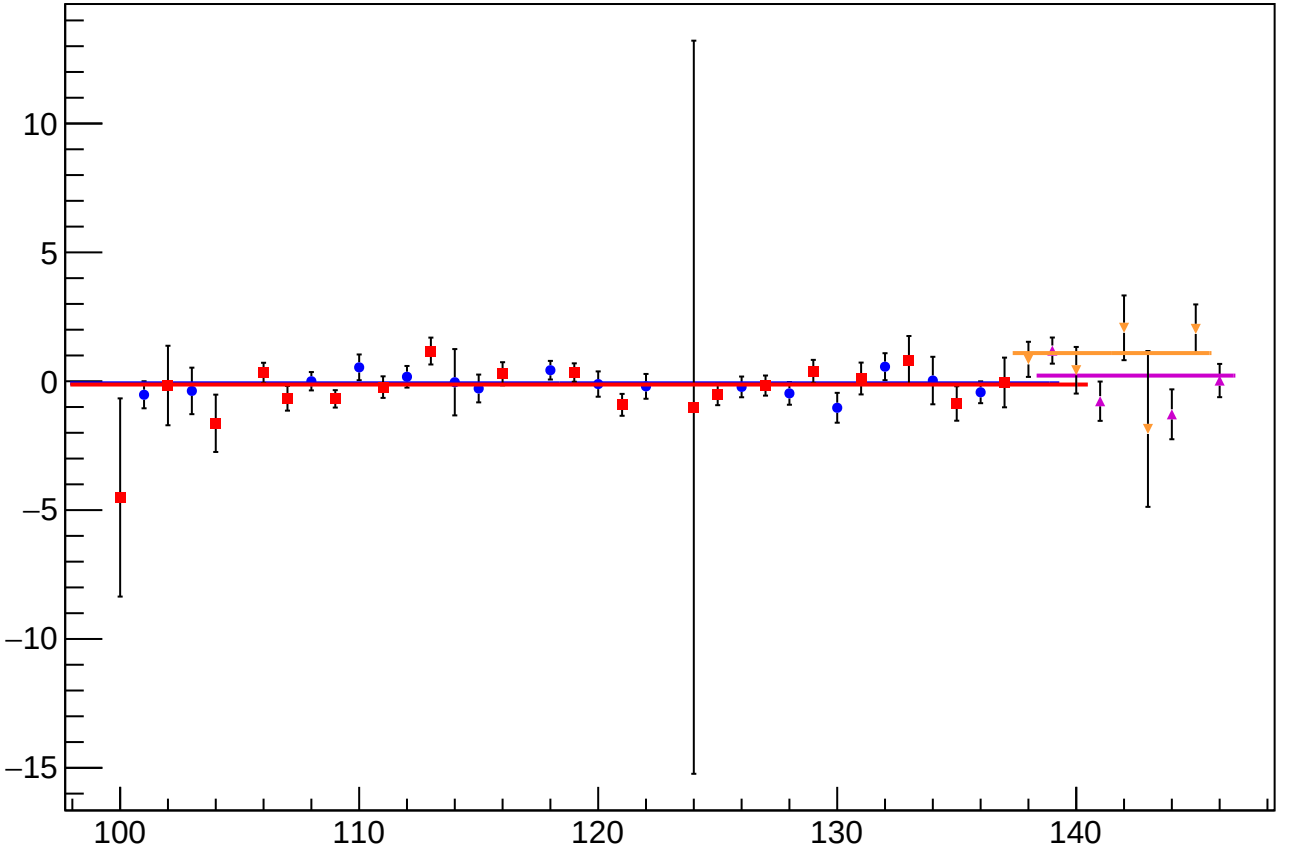
Left In: 592.359+/-0.235 χ^2/NDF:437504.6/3

+ sign 342.224+/-0.083 χ^2/NDF: 4074716.8/20

All: 329.461+/-0.057 χ^2/NDF: 7946880.1/43

- sign 318.201+/-0.078 χ^2/NDF: 3827670.7/22

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 1.093+/-0.437 χ^2/NDF:3.2/4

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

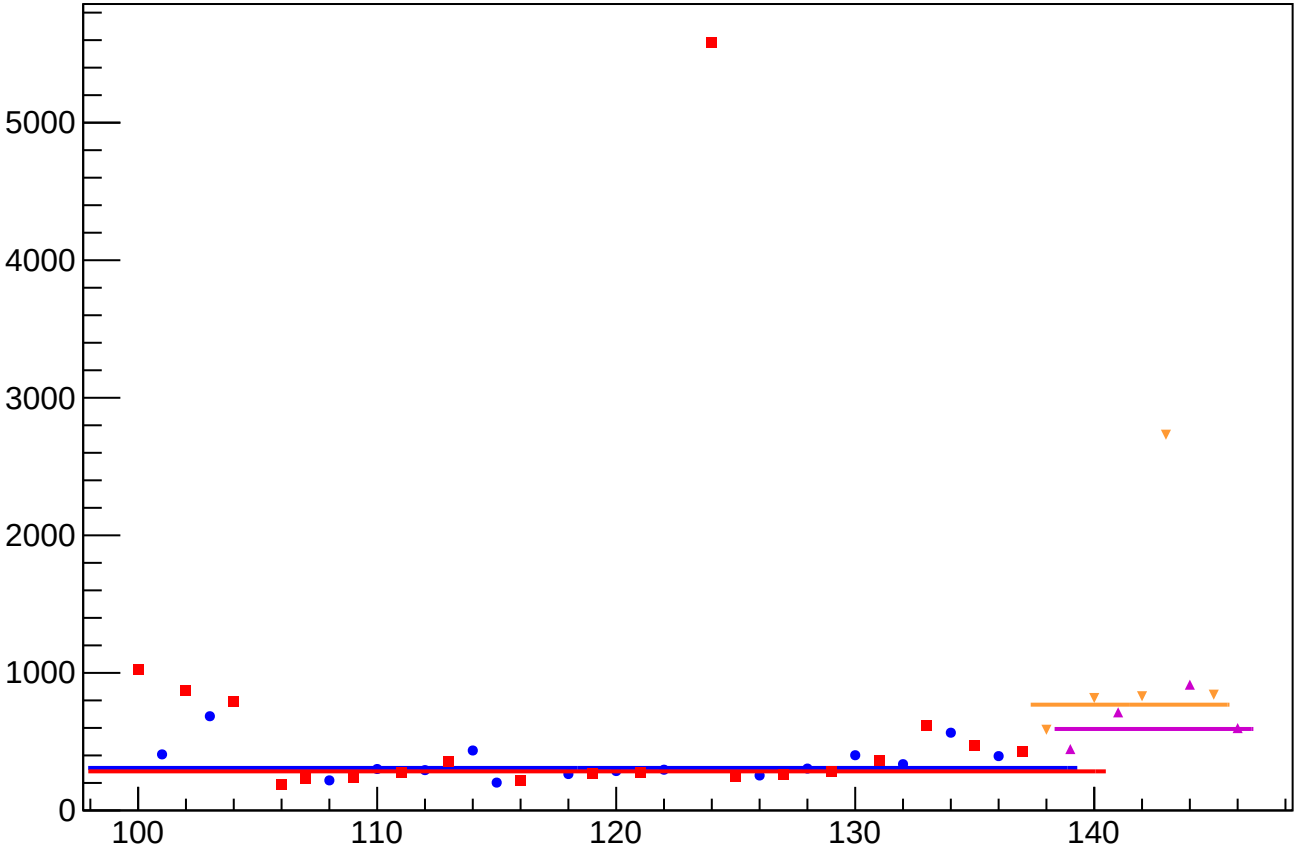
Left In: 0.219+/-0.332 χ^2/NDF:7.9/3

+ sign 0.005+/-0.117 χ^2/NDF: 20.6/20

All: -0.045+/-0.080 χ^2/NDF: 55.1/43

- sign -0.089+/-0.110 χ^2/NDF: 34.1/22

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: 769.014+/-0.309 χ^2/NDF:1008138.1/4

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

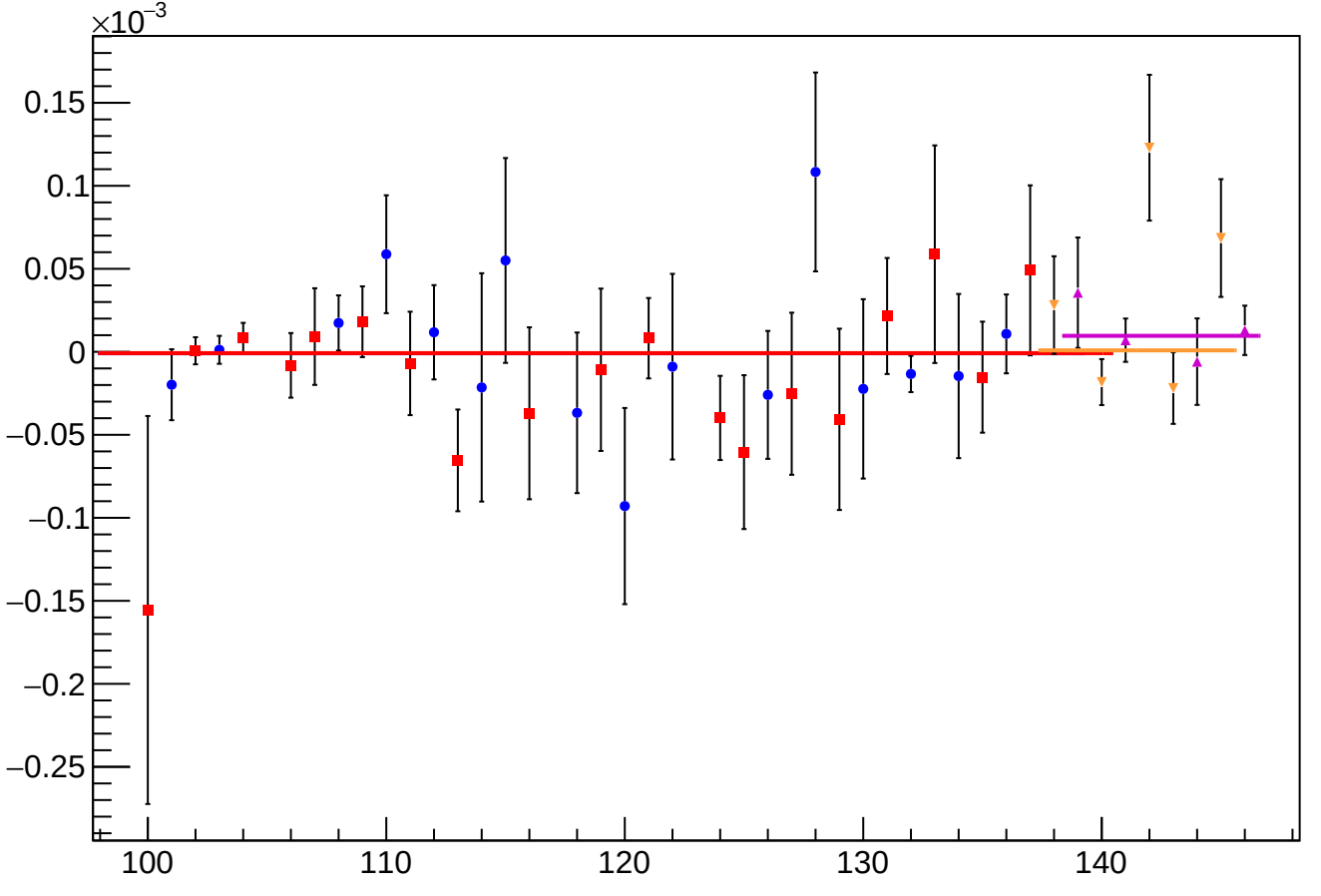
Left In: 592.359+/-0.235 χ^2/NDF:437504.6/3

+ sign 342.224+/-0.083 χ^2/NDF: 4074716.8/20

All: 329.461+/-0.057 χ^2/NDF: 7946880.1/43

- sign 318.201+/-0.078 χ^2/NDF: 3827670.7/22

asym_at2_avg_eigen_dit_vs_dit_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:15.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

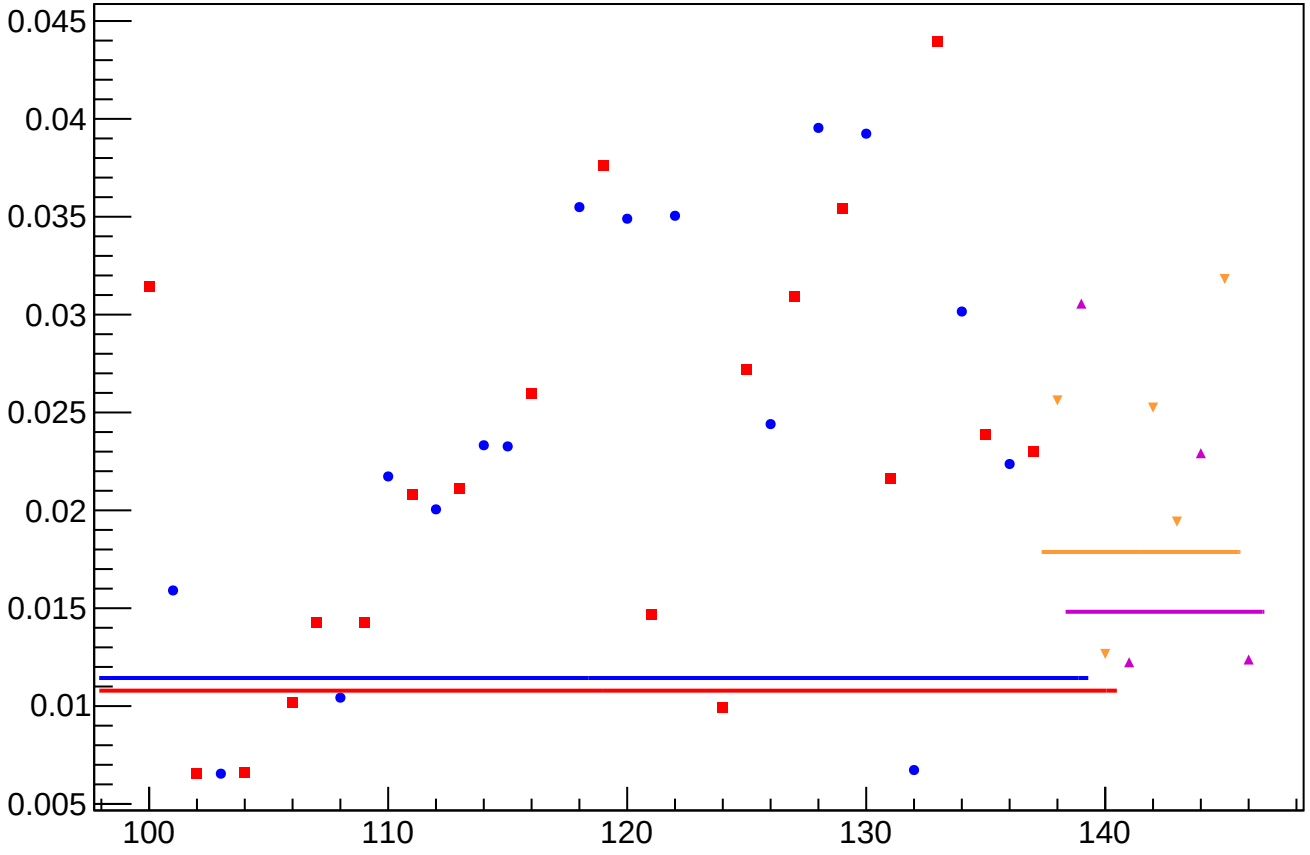
Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/20

All: 0.000+/-0.000 χ^2/NDF: 48.1/43

- sign 0.000+/-0.000 χ^2/NDF: 18.3/22

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.018+/-0.000 χ^2/NDF:797909.4/4

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

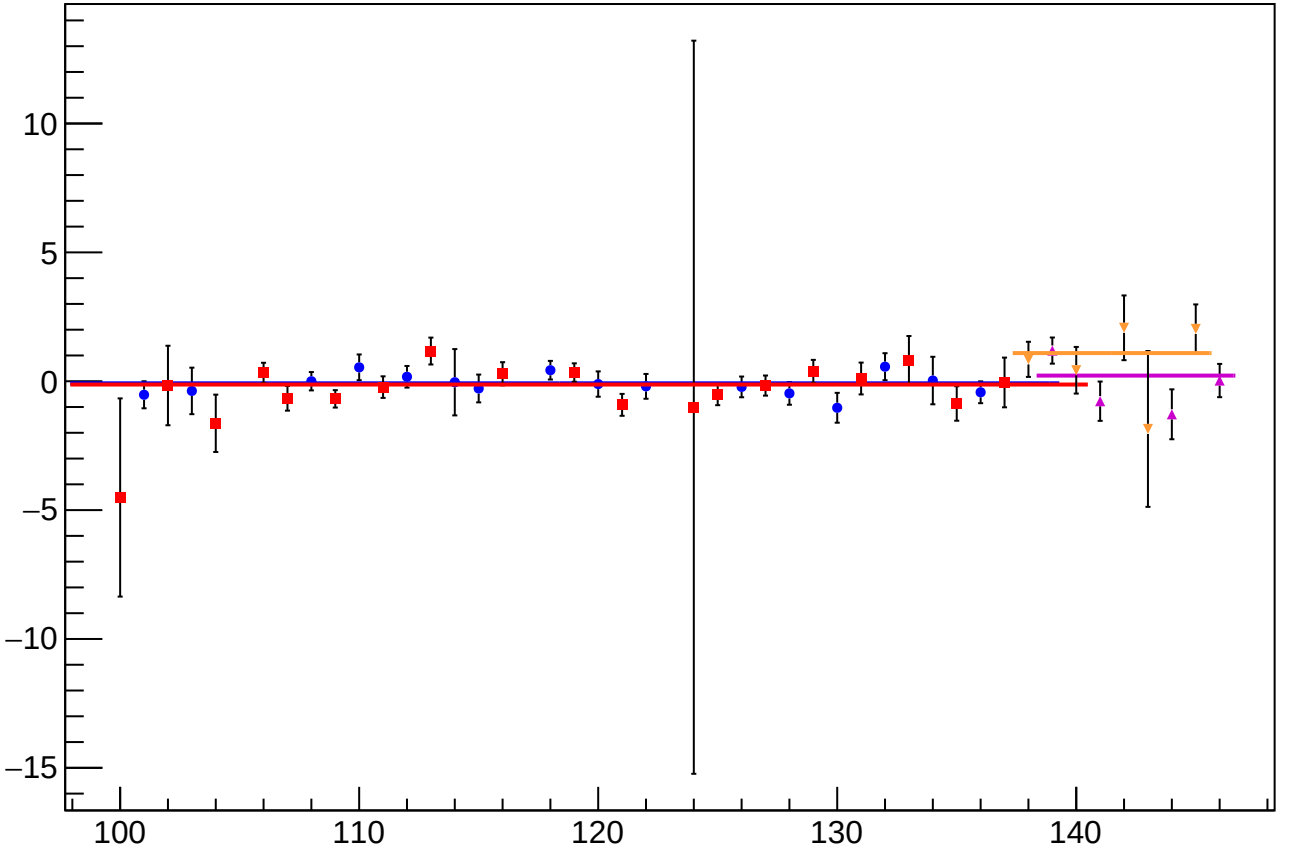
Left In: 0.015+/-0.000 χ^2/NDF:773549.3/3

+ sign 0.013+/-0.000 χ^2/NDF: 6135944.5/20

All: 0.012+/-0.000 χ^2/NDF: 11764757.4/43

- sign 0.012+/-0.000 χ^2/NDF: 5566425.0/22

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 1.093+/-0.437 χ^2/NDF:3.2/4

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

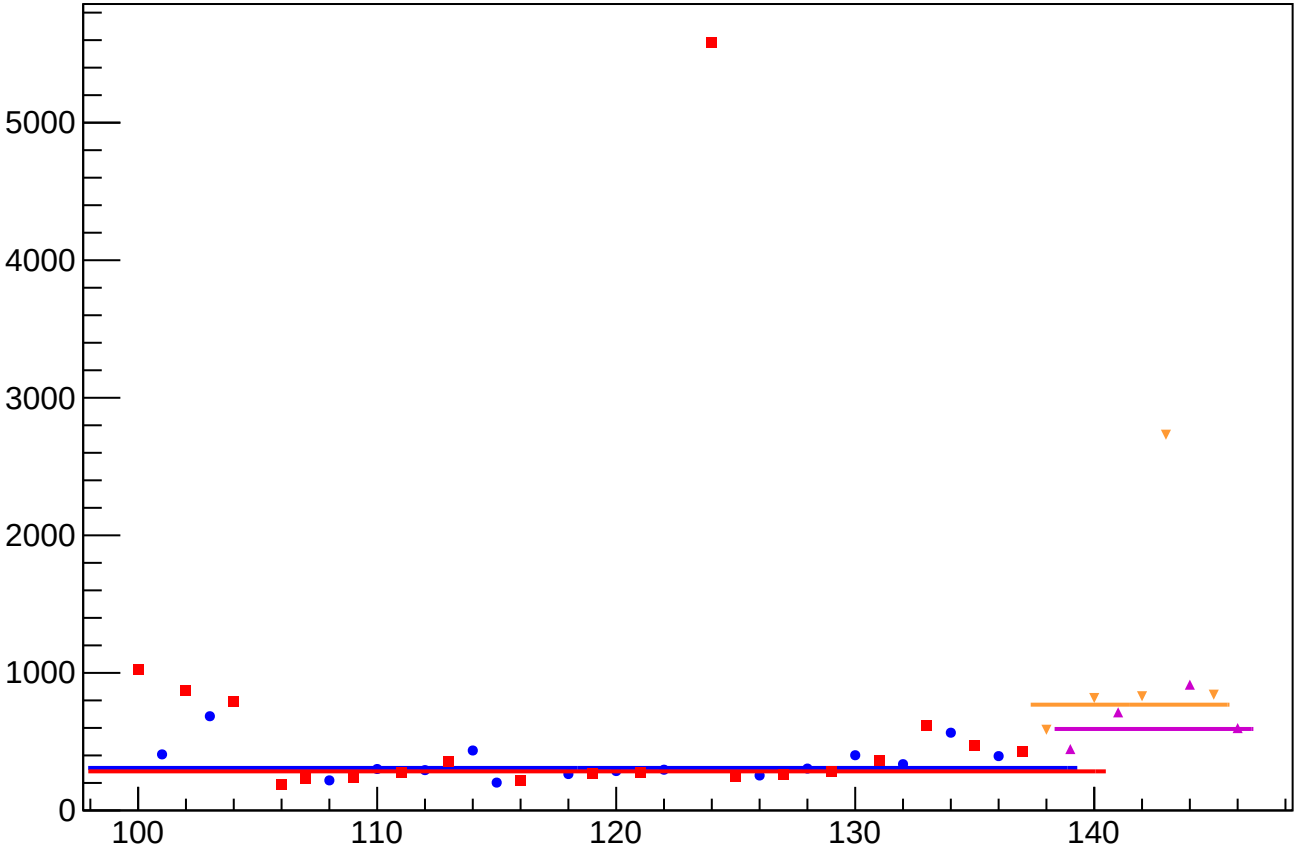
Left In: 0.219+/-0.332 χ^2/NDF:7.9/3

+ sign 0.005+/-0.117 χ^2/NDF: 20.6/20

All: -0.045+/-0.080 χ^2/NDF: 55.1/43

- sign -0.089+/-0.110 χ^2/NDF: 34.1/22

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: 769.023+/-0.309 χ^2/NDF:1008133.3/4

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

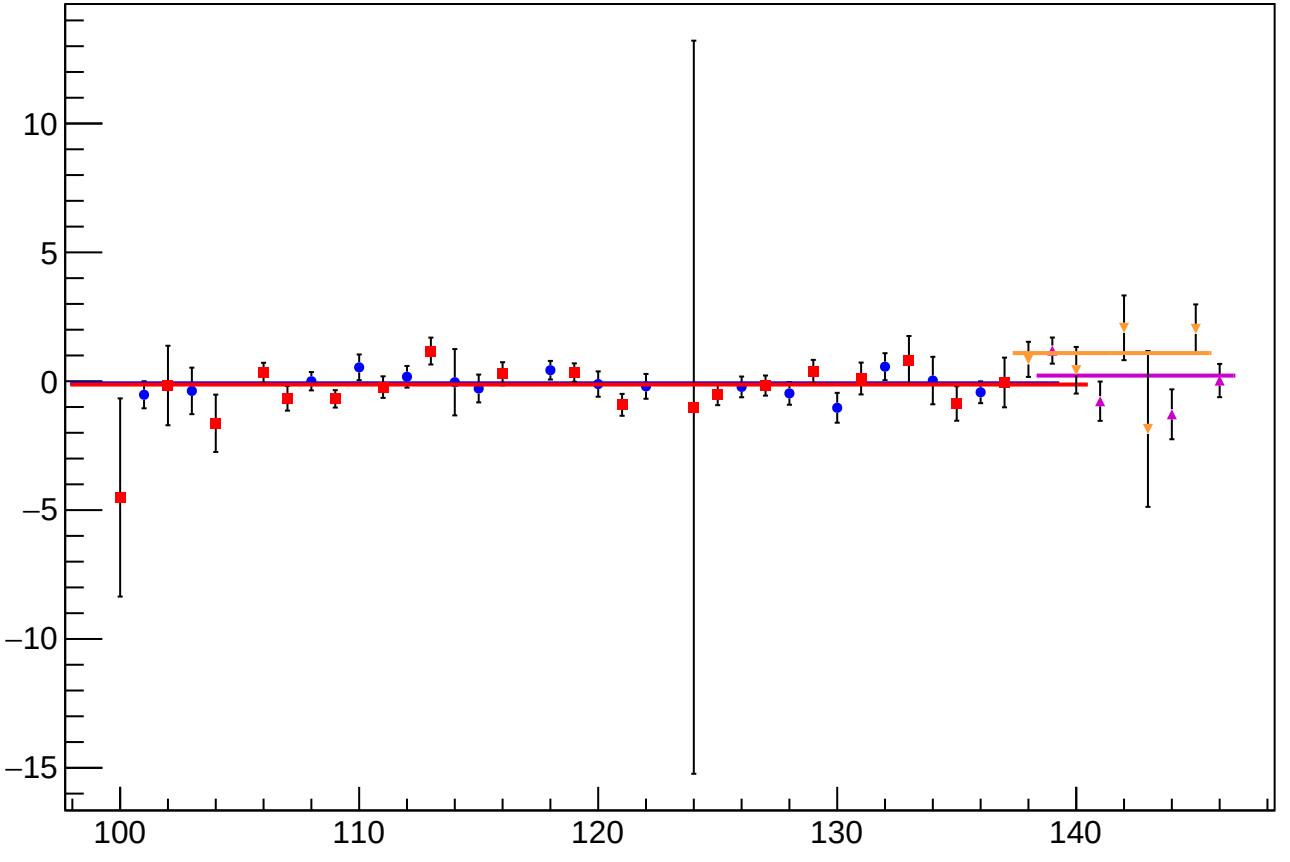
Left In: 592.369+/-0.235 χ^2/NDF:437487.7/3

+ sign 342.223+/-0.083 χ^2/NDF: 4074726.9/20

All: 329.460+/-0.057 χ^2/NDF: 7946918.2/43

- sign 318.200+/-0.078 χ^2/NDF: 3827699.7/22

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 1.093+/-0.437 χ^2/NDF:3.2/4

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

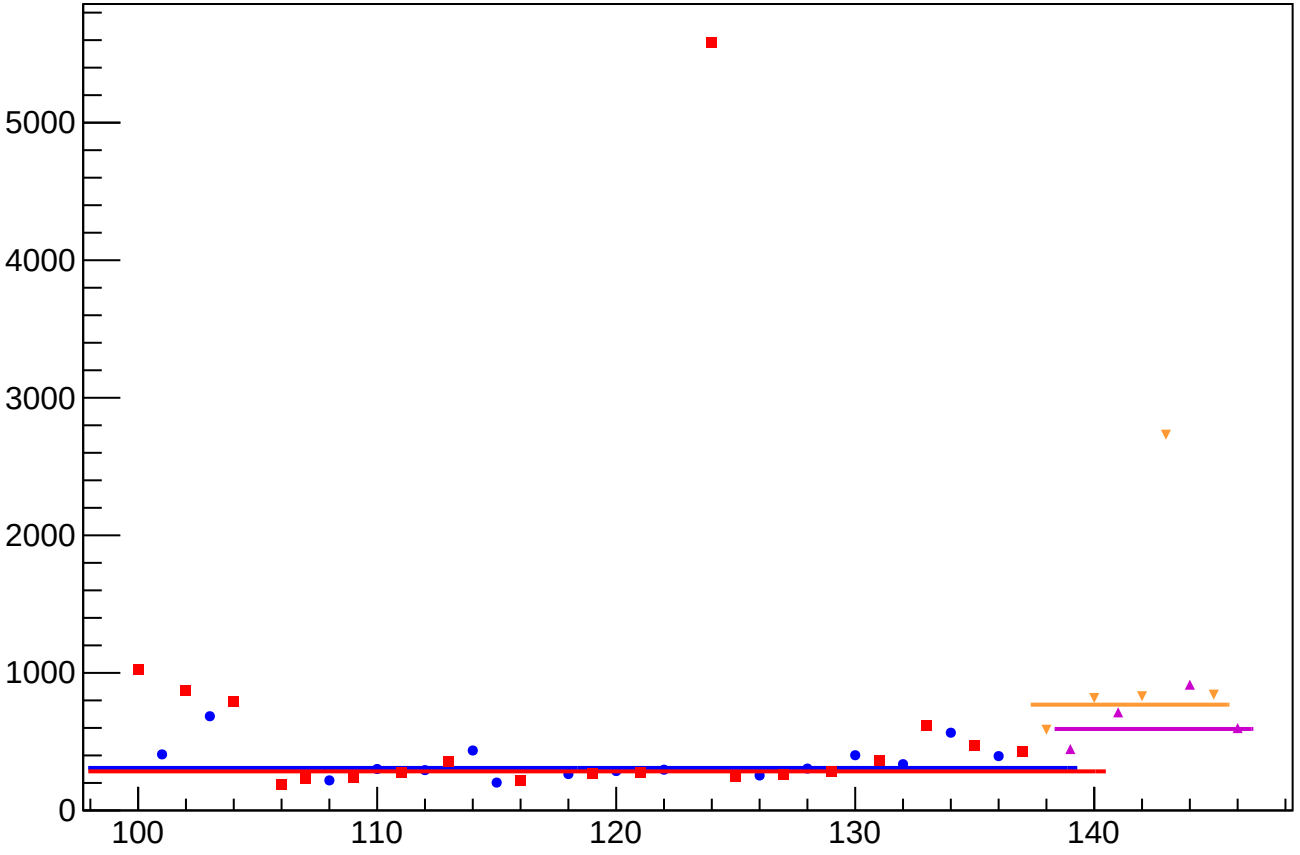
Left In: 0.219+/-0.332 χ^2/NDF:7.9/3

+ sign 0.005+/-0.117 χ^2/NDF: 20.6/20

All: -0.045+/-0.080 χ^2/NDF: 55.1/43

- sign -0.089+/-0.110 χ^2/NDF: 34.1/22

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 769.023+/-0.309 χ^2/NDF:1008133.3/4

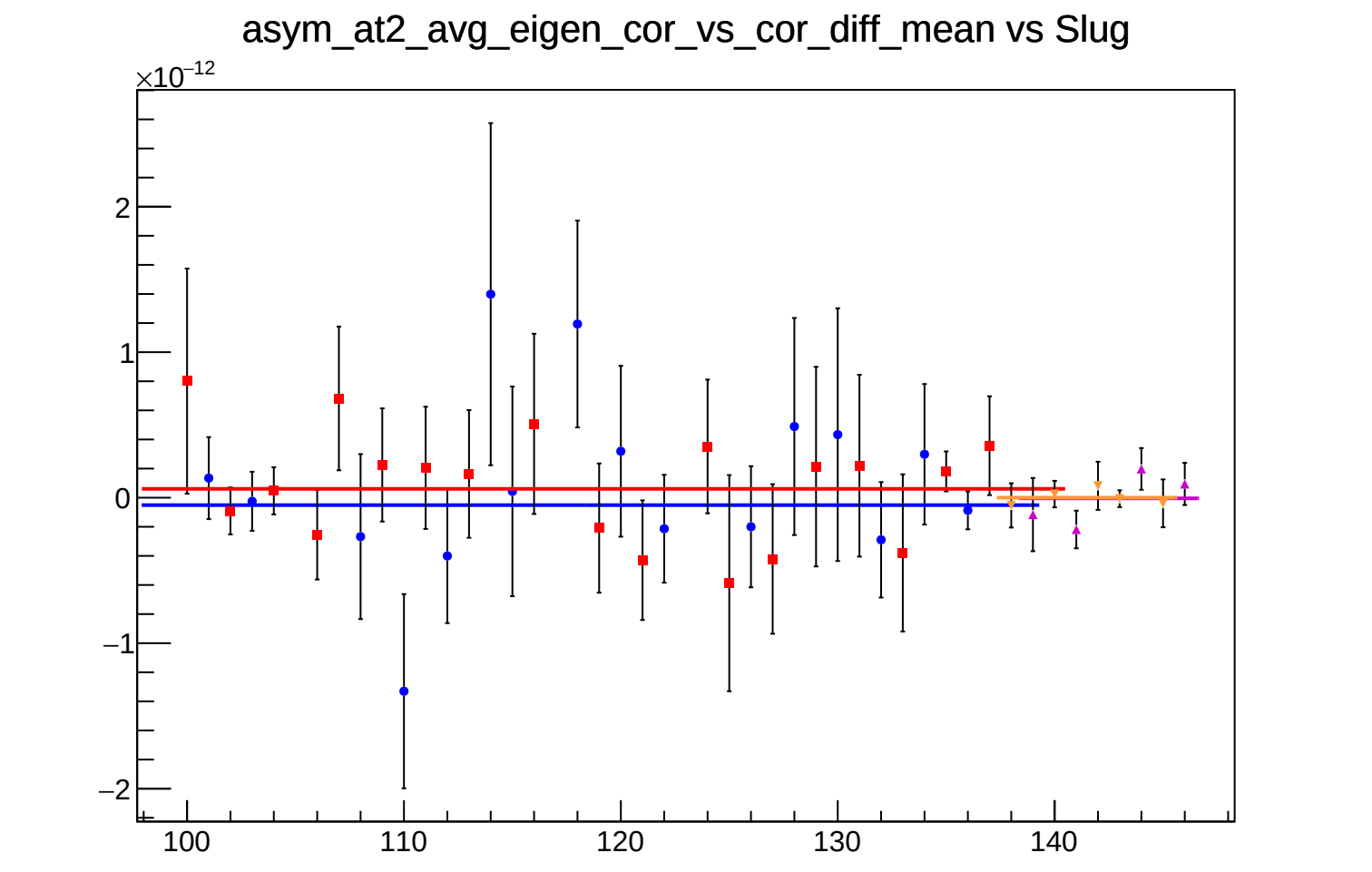
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.369+/-0.235 χ^2/NDF:437487.7/3

+ sign 342.223+/-0.083 χ^2/NDF: 4074726.9/20

All: 329.460+/-0.057 χ^2/NDF: 7946918.2/43

- sign 318.200+/-0.078 χ^2/NDF: 3827699.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/4

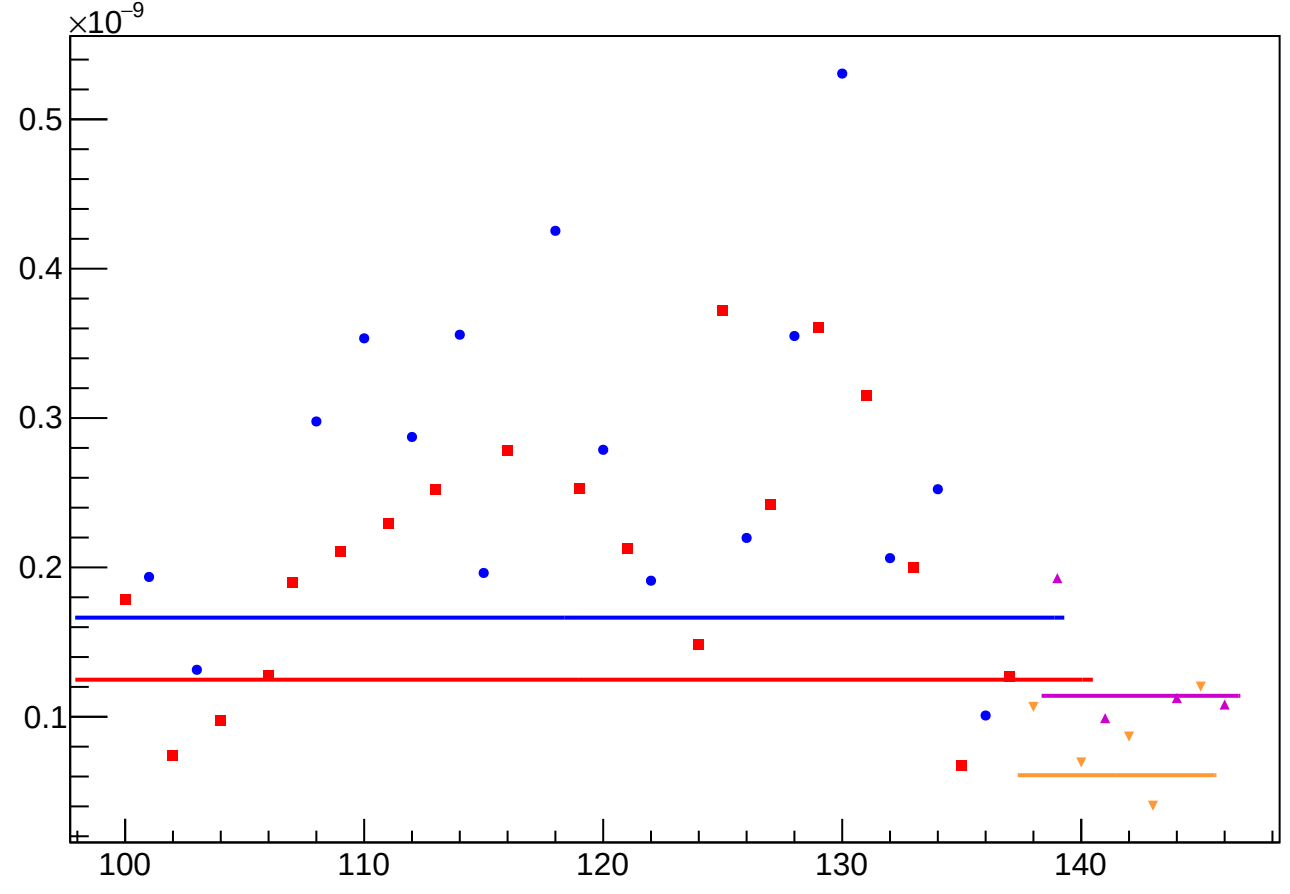
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 12.8/20

All: 0.000+/-0.000 χ^2/NDF: 30.4/43

- sign 0.000+/-0.000 χ^2/NDF: 17.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:758749.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

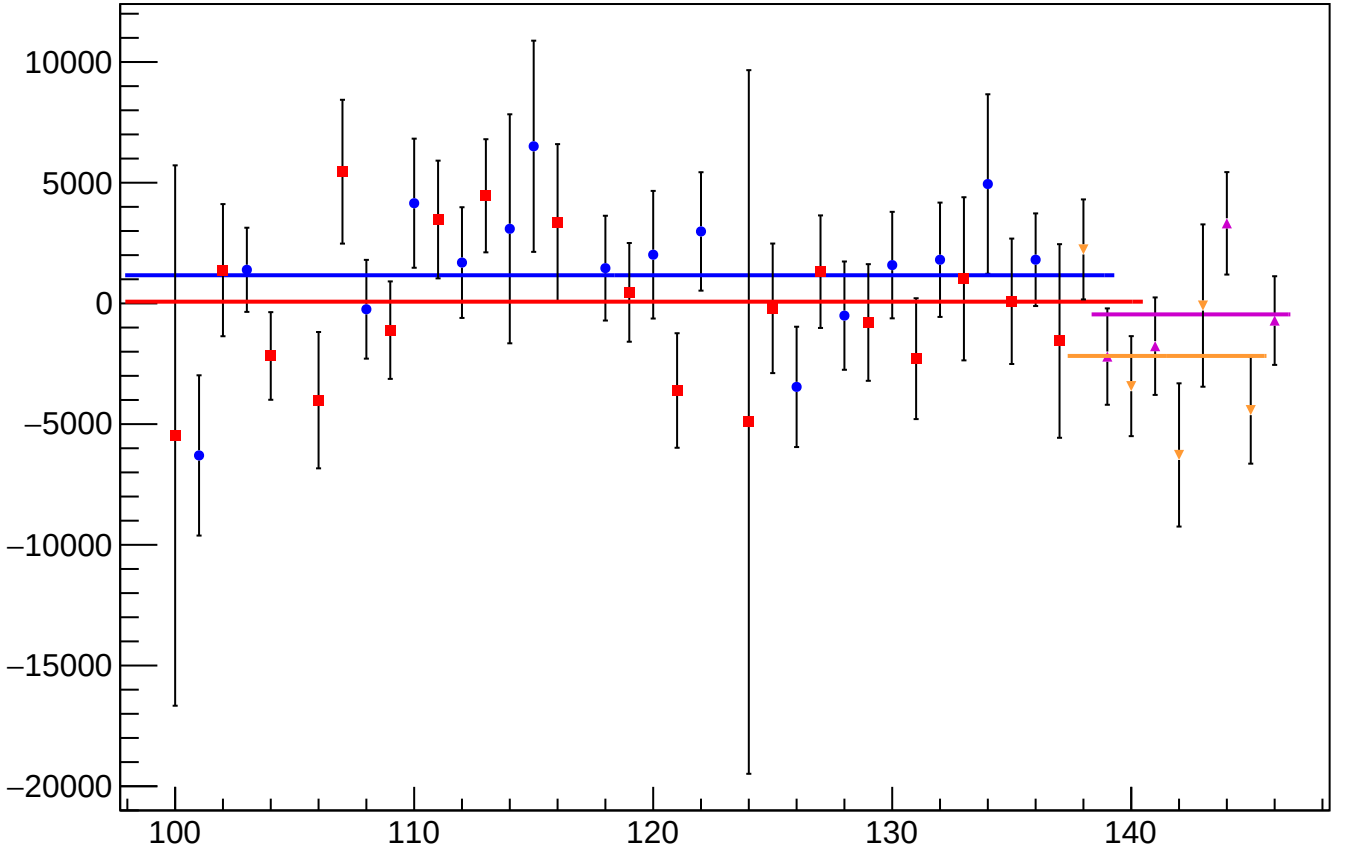
Left In: 0.000+/-0.000 χ^2/NDF:226329.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 5217827.8/20

All: 0.000+/-0.000 χ^2/NDF: 8345043.2/43

- sign 0.000+/-0.000 χ^2/NDF: 2457603.4/22

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -2175.299+/-1071.256 χ^2/NDF:8.2/4

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

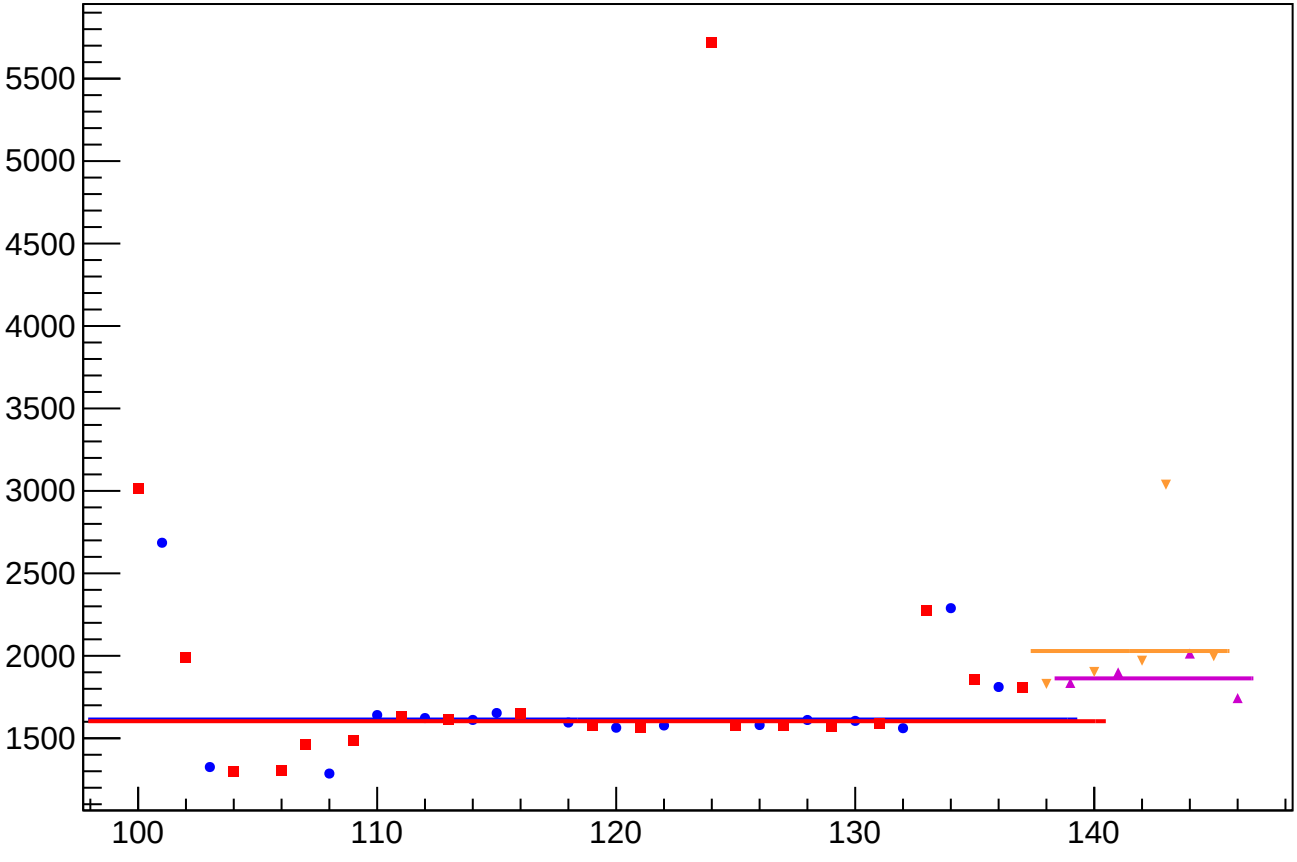
Left In: -454.557+/-992.669 χ^2/NDF:4.4/3

+ sign 350.204+/-529.541 χ^2/NDF: 30.0/20

All: 134.535+/-369.411 χ^2/NDF: 53.2/43

- sign -69.920+/-515.592 χ^2/NDF: 22.9/22

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 2029.063+/-0.757 χ^2/NDF:207268.5/4

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

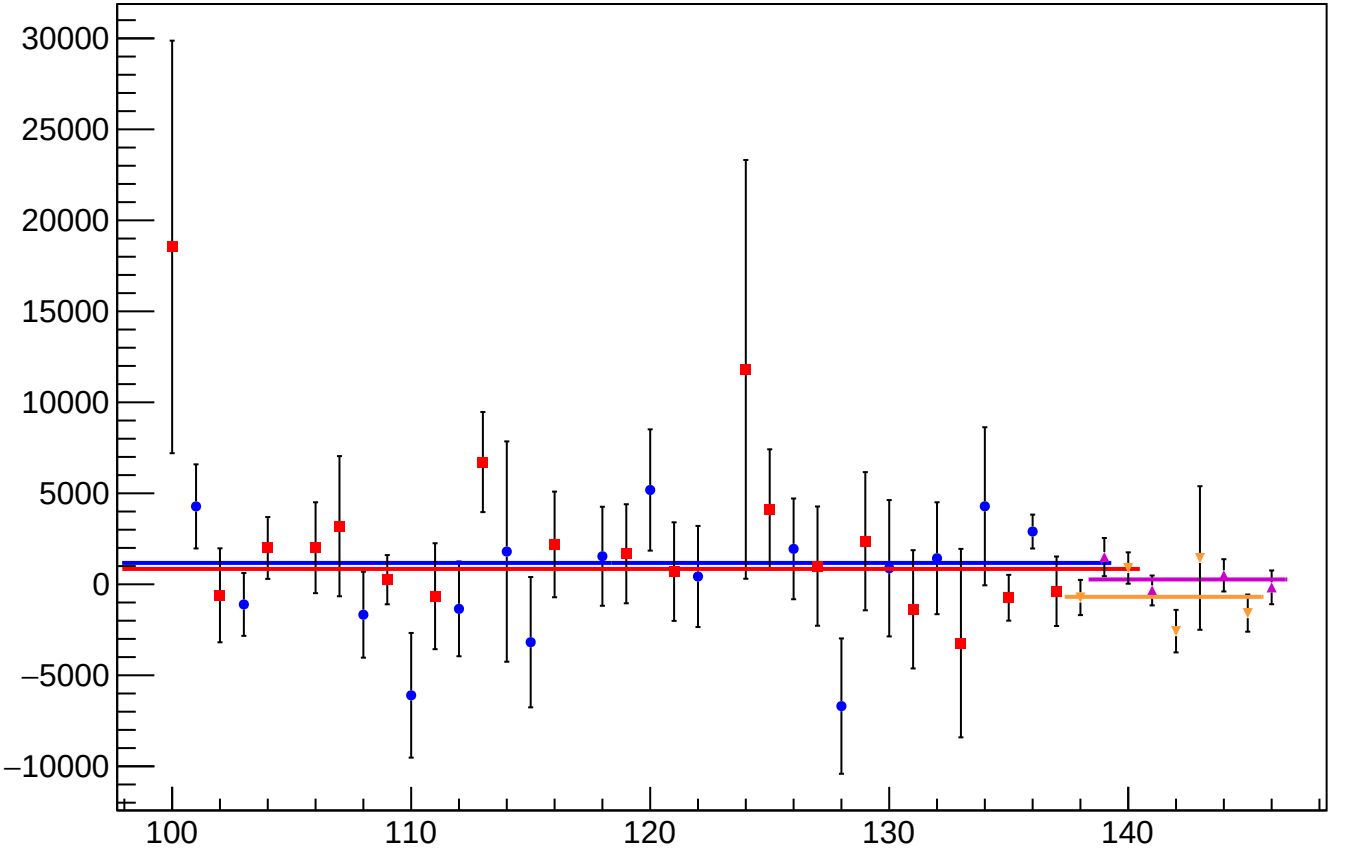
Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

+ sign 1715.174+/-0.374 χ^2/NDF: 839191.9/20

All: 1693.795+/-0.261 χ^2/NDF: 1390862.1/43

- sign 1673.528+/-0.365 χ^2/NDF: 545319.9/22

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: -690.047+/-489.580 χ^2/NDF:7.0/4

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

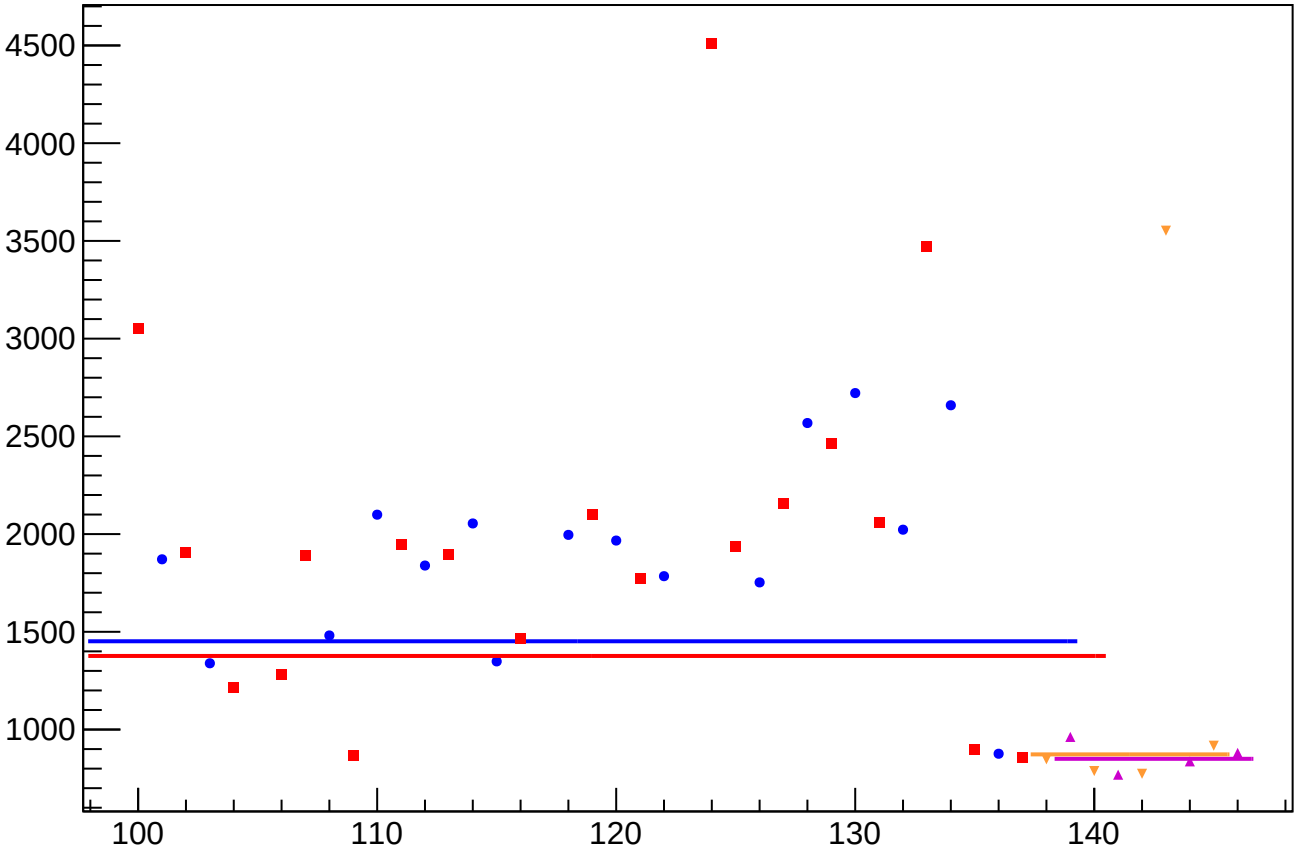
Left In: 266.878+/-455.296 χ^2/NDF:2.2/3

+ sign 87.594+/-373.865 χ^2/NDF: 35.1/20

All: 304.659+/-256.523 χ^2/NDF: 52.8/43

- sign 497.760+/-352.624 χ^2/NDF: 17.1/22

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 872.881+/-0.346 χ^2/NDF:961691.2/4

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

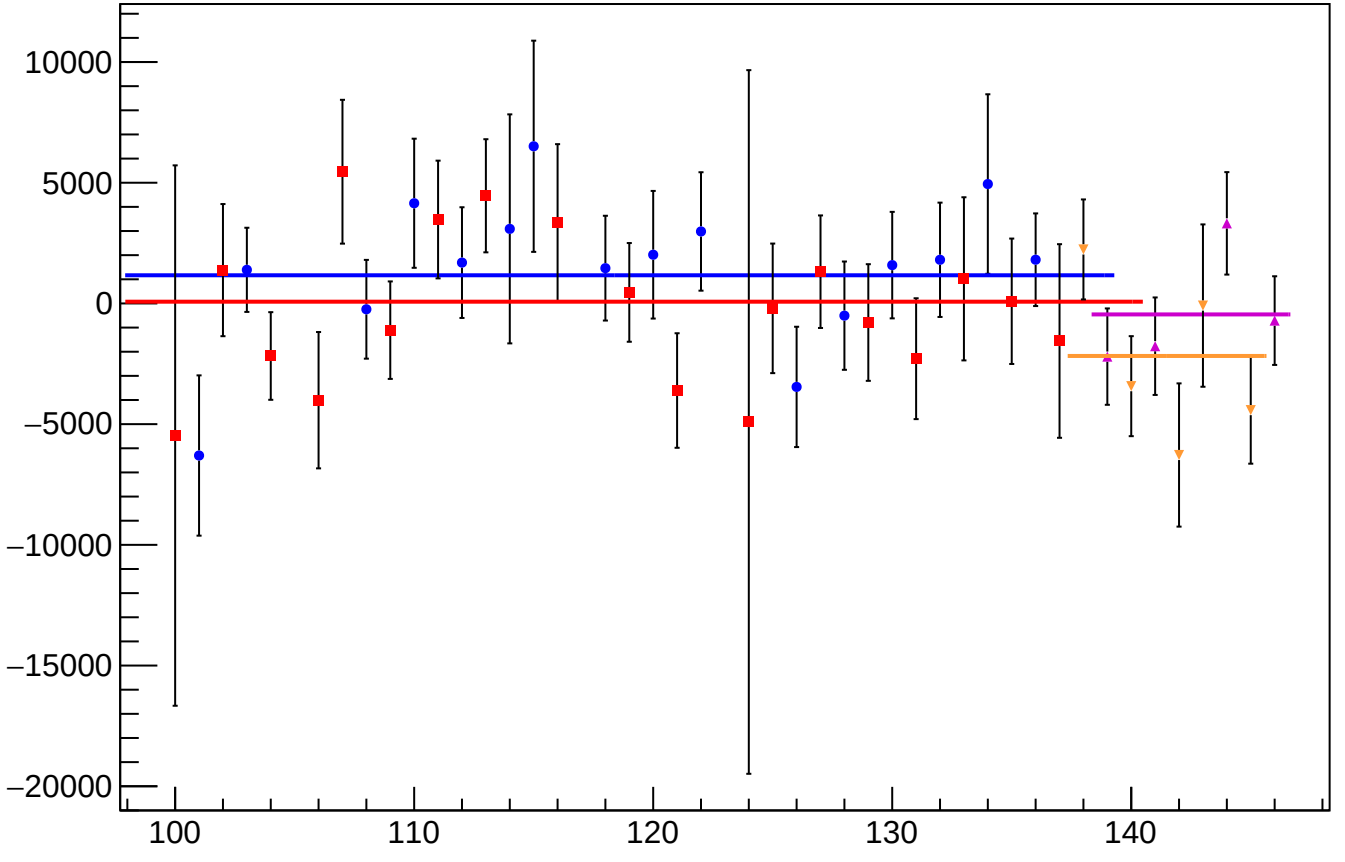
Left In: 850.176+/-0.322 χ^2/NDF:44934.1/3

+ sign 1114.132+/-0.264 χ^2/NDF: 3917577.6/20

All: 1085.896+/-0.181 χ^2/NDF: 7185493.2/43

- sign 1060.777+/-0.249 χ^2/NDF: 3246358.7/22

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -2175.456+/-1071.256 χ^2/NDF:8.2/4

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

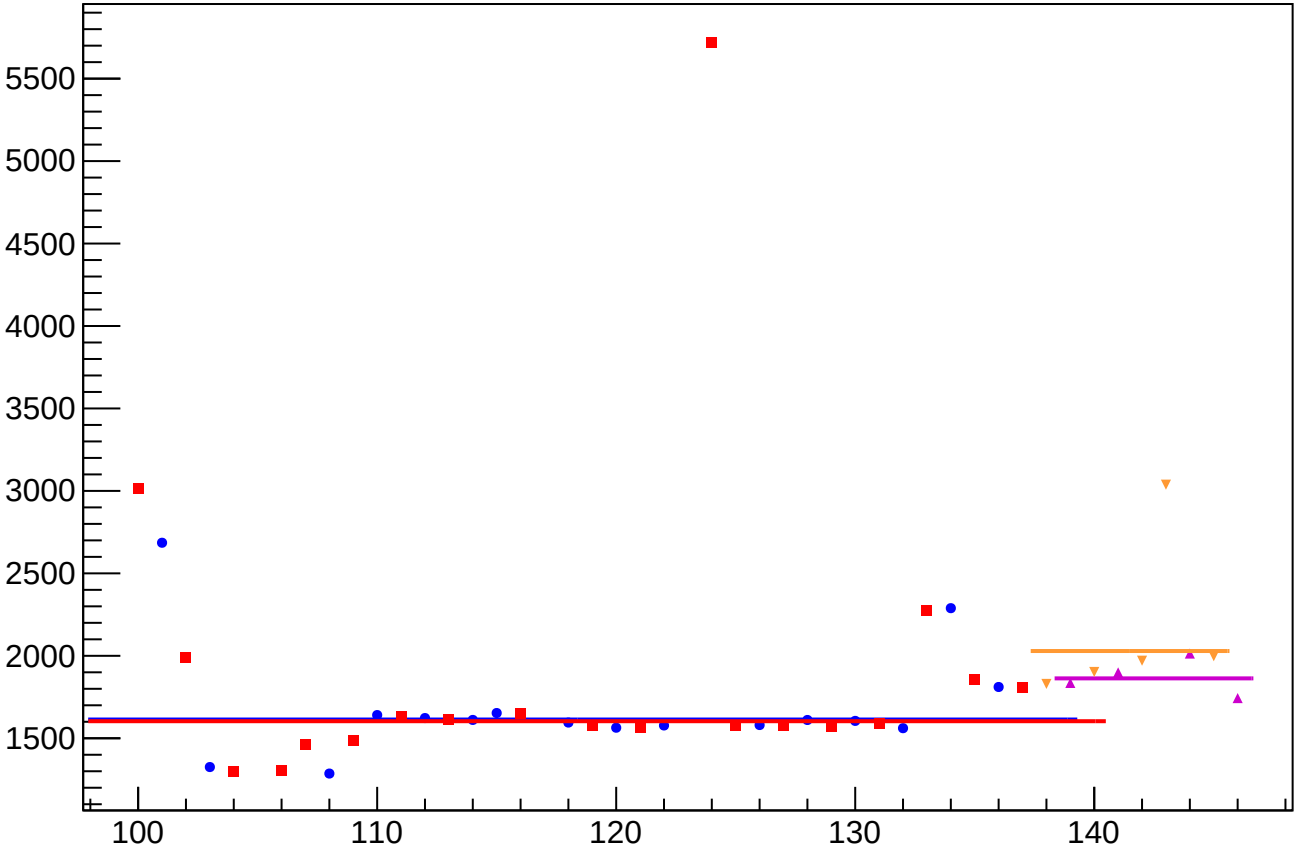
Left In: -454.694+/-992.669 χ^2/NDF:4.4/3

+ sign 350.096+/-529.541 χ^2/NDF: 30.0/20

All: 134.583+/-369.412 χ^2/NDF: 53.2/43

- sign -69.725+/-515.592 χ^2/NDF: 22.9/22

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2029.063+/-0.757 χ^2/NDF:207268.5/4

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

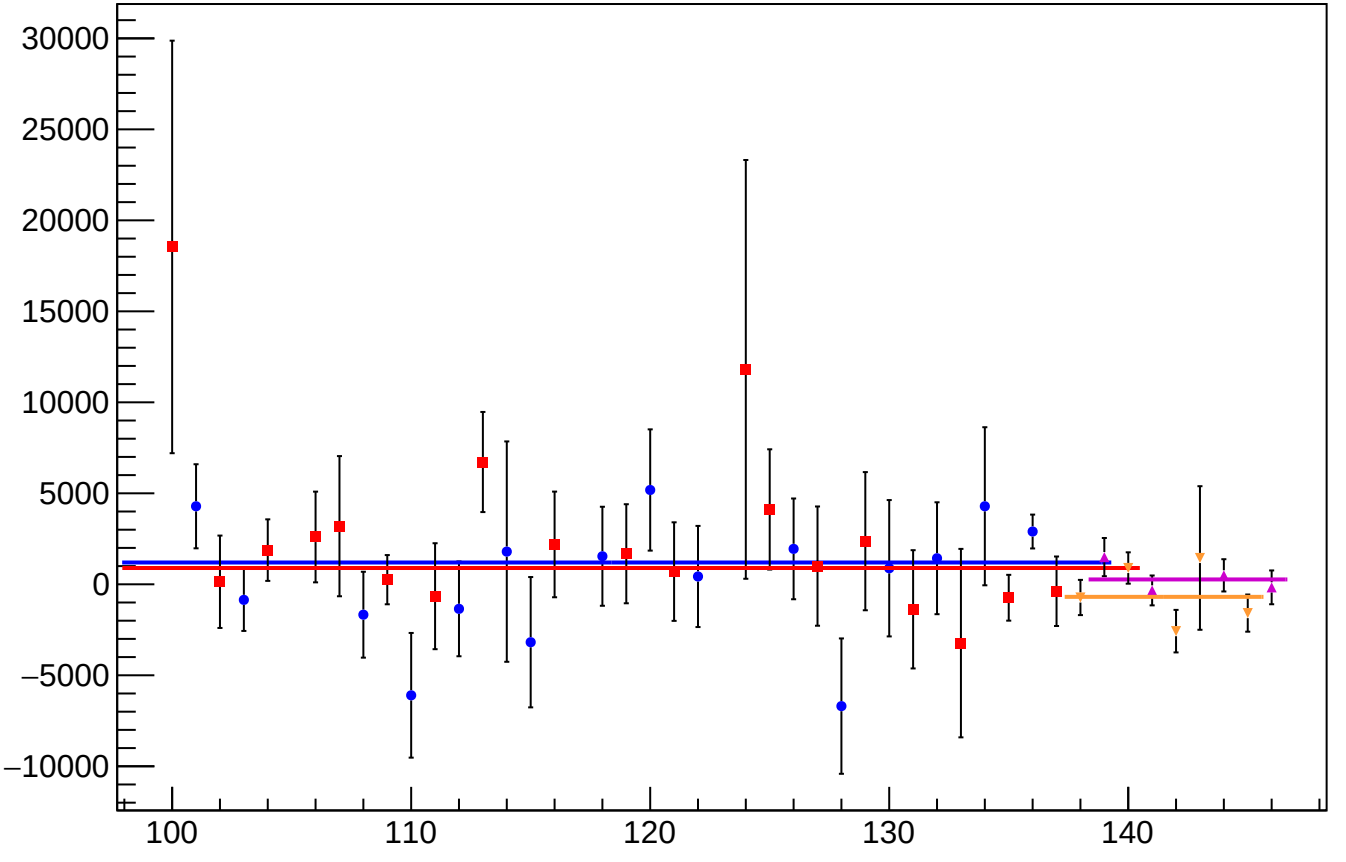
Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

+ sign 1715.174+/-0.374 χ^2/NDF: 839192.3/20

All: 1693.795+/-0.261 χ^2/NDF: 1390862.6/43

- sign 1673.528+/-0.365 χ^2/NDF: 545320.0/22

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: -689.945+/-489.595 χ^2/NDF:7.1/4

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

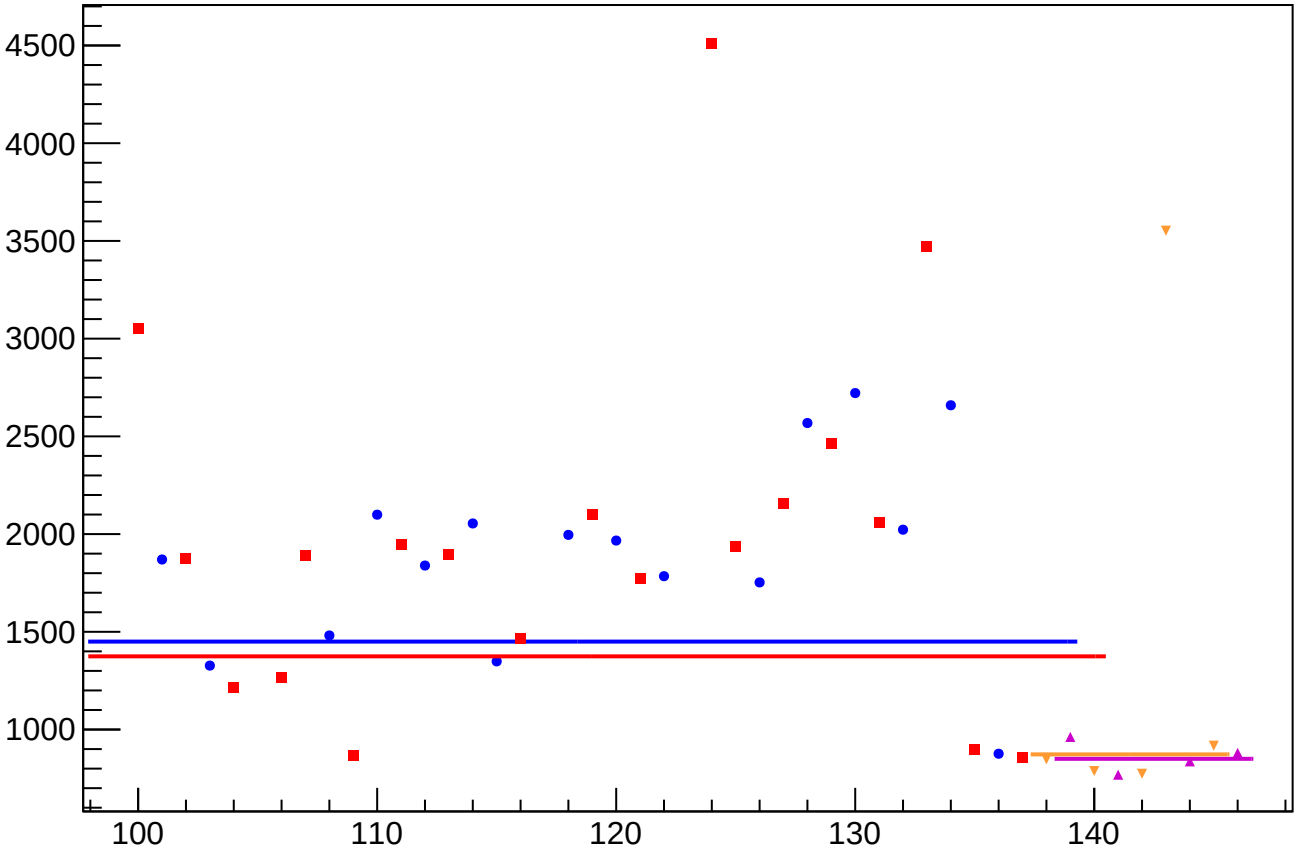
Left In: 266.968+/-455.292 χ^2/NDF:2.2/3

+ sign 98.515+/-373.650 χ^2/NDF: 34.9/20

All: 320.974+/-256.378 χ^2/NDF: 52.8/43

- sign 518.880+/-352.427 χ^2/NDF: 17.2/22

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 872.911+/-0.346 χ^2/NDF:961655.4/4

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

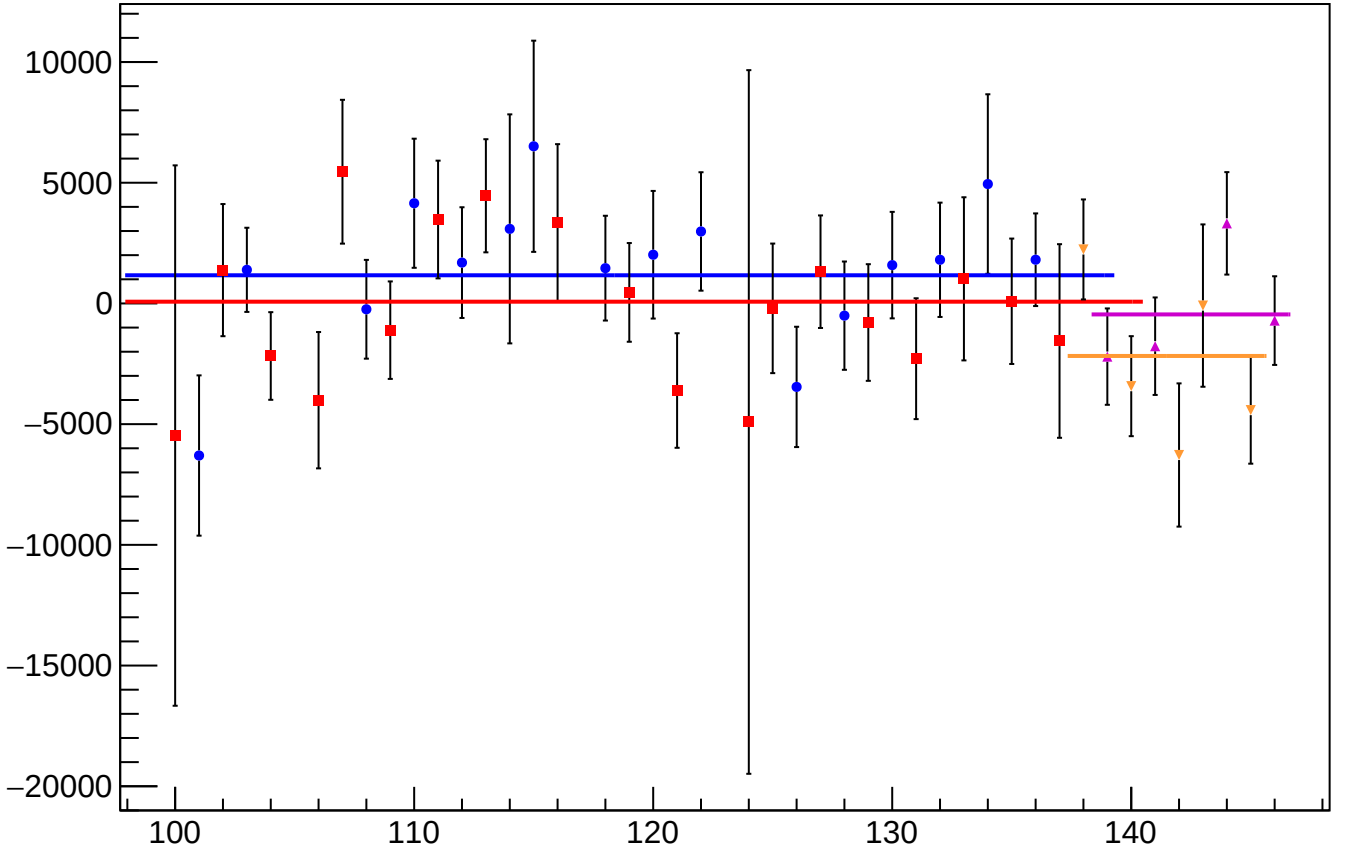
Left In: 850.167+/-0.322 χ^2/NDF:44950.0/3

+ sign 1113.851+/-0.264 χ^2/NDF: 3914338.2/20

All: 1085.514+/-0.181 χ^2/NDF: 7171663.0/43

- sign 1060.304+/-0.249 χ^2/NDF: 3235588.0/22

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -2175.456+/-1071.256 χ^2/NDF:8.2/4

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

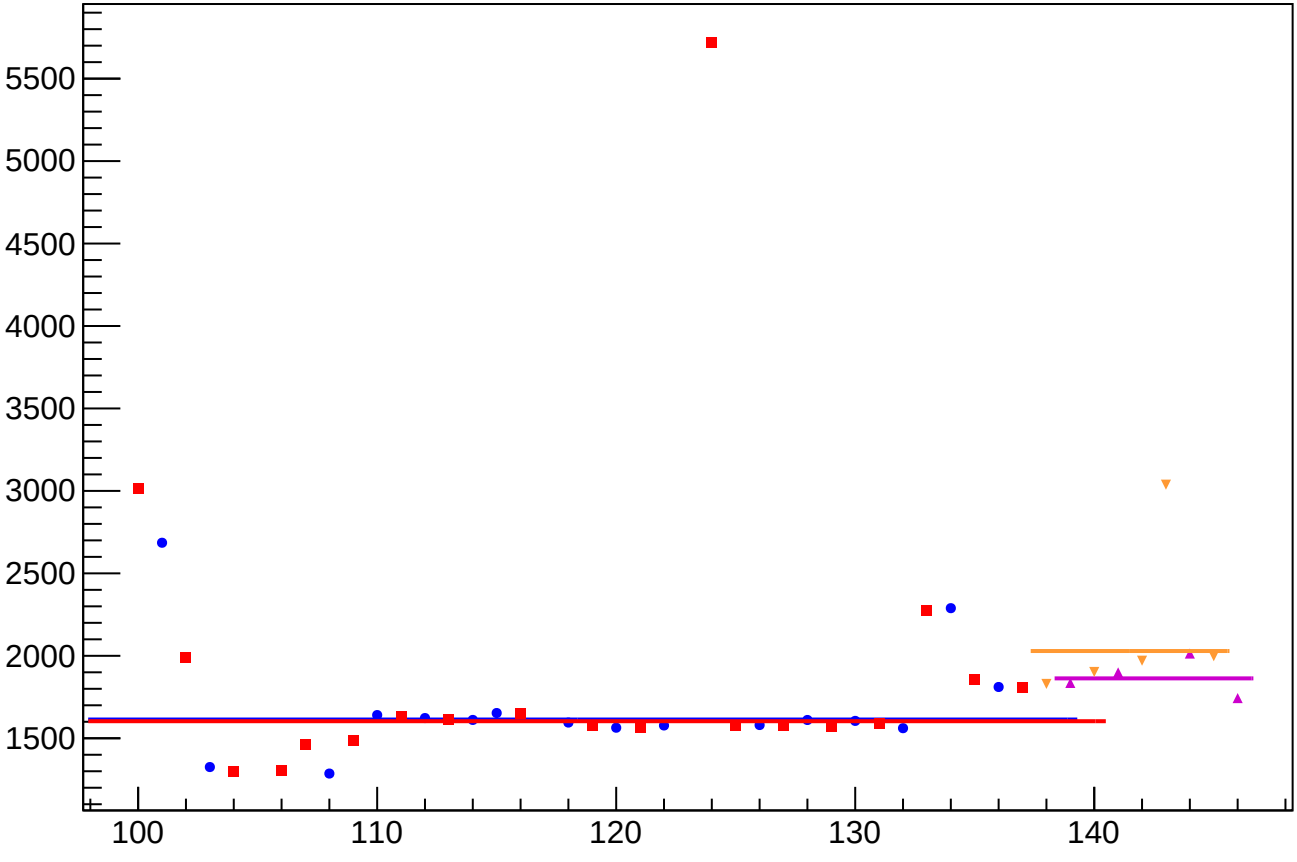
Left In: -454.694+/-992.669 χ^2/NDF:4.4/3

+ sign 350.096+/-529.541 χ^2/NDF: 30.0/20

All: 134.583+/-369.412 χ^2/NDF: 53.2/43

- sign -69.725+/-515.592 χ^2/NDF: 22.9/22

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2029.063+/-0.757 χ^2/NDF:207268.5/4

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

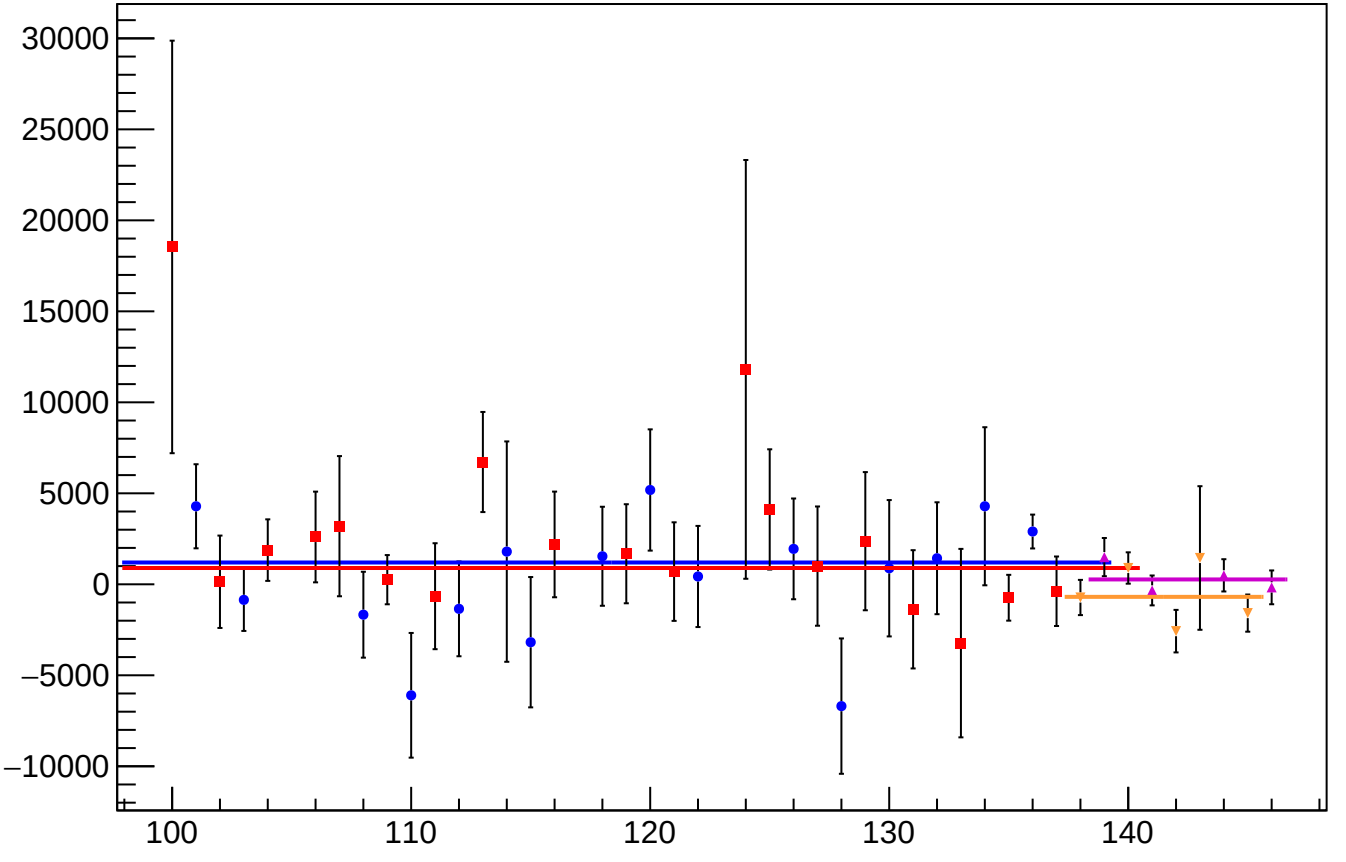
Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

+ sign 1715.174+/-0.374 χ^2/NDF: 839192.3/20

All: 1693.795+/-0.261 χ^2/NDF: 1390862.6/43

- sign 1673.528+/-0.365 χ^2/NDF: 545320.0/22

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: -689.945+/-489.595 χ^2/NDF:7.1/4

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

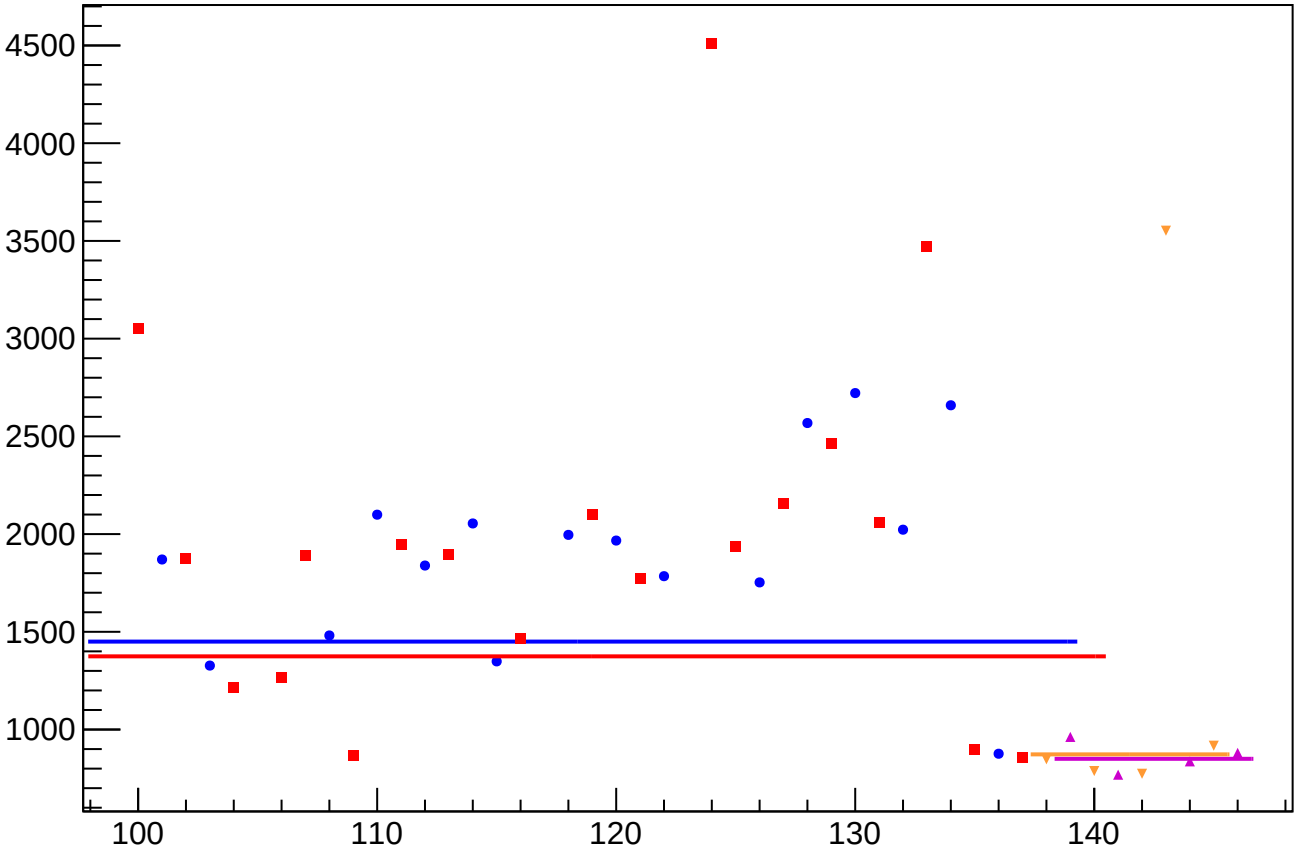
Left In: 266.968+/-455.292 χ^2/NDF:2.2/3

+ sign 98.515+/-373.650 χ^2/NDF: 34.9/20

All: 320.974+/-256.378 χ^2/NDF: 52.8/43

- sign 518.880+/-352.427 χ^2/NDF: 17.2/22

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 872.911+/-0.346 χ^2/NDF:961655.4/4

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

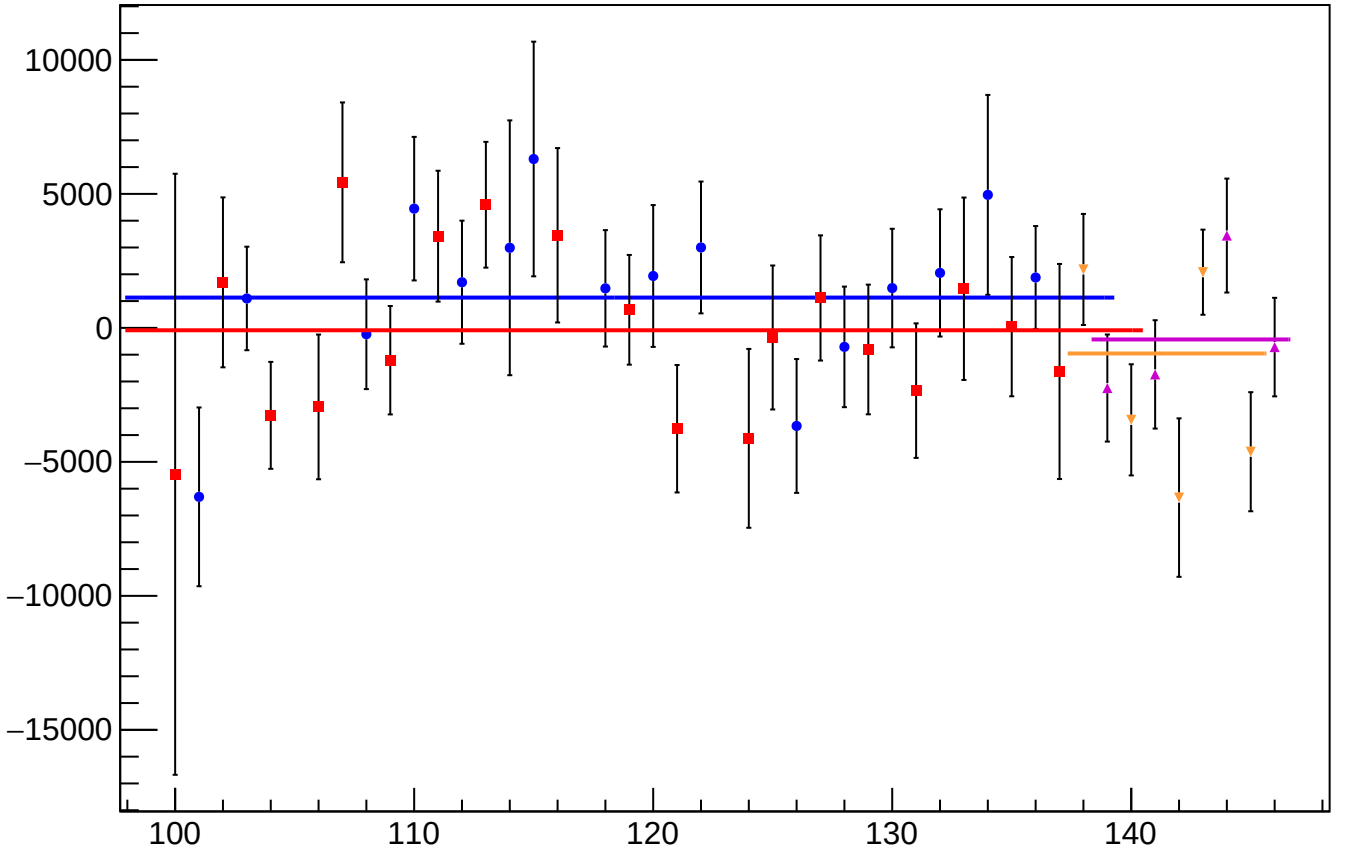
Left In: 850.167+/-0.322 χ^2/NDF:44950.0/3

+ sign 1113.851+/-0.264 χ^2/NDF: 3914338.2/20

All: 1085.514+/-0.181 χ^2/NDF: 7171663.0/43

- sign 1060.304+/-0.249 χ^2/NDF: 3235588.0/22

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -955.097+/-920.993 χ^2/NDF:13.4/4

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

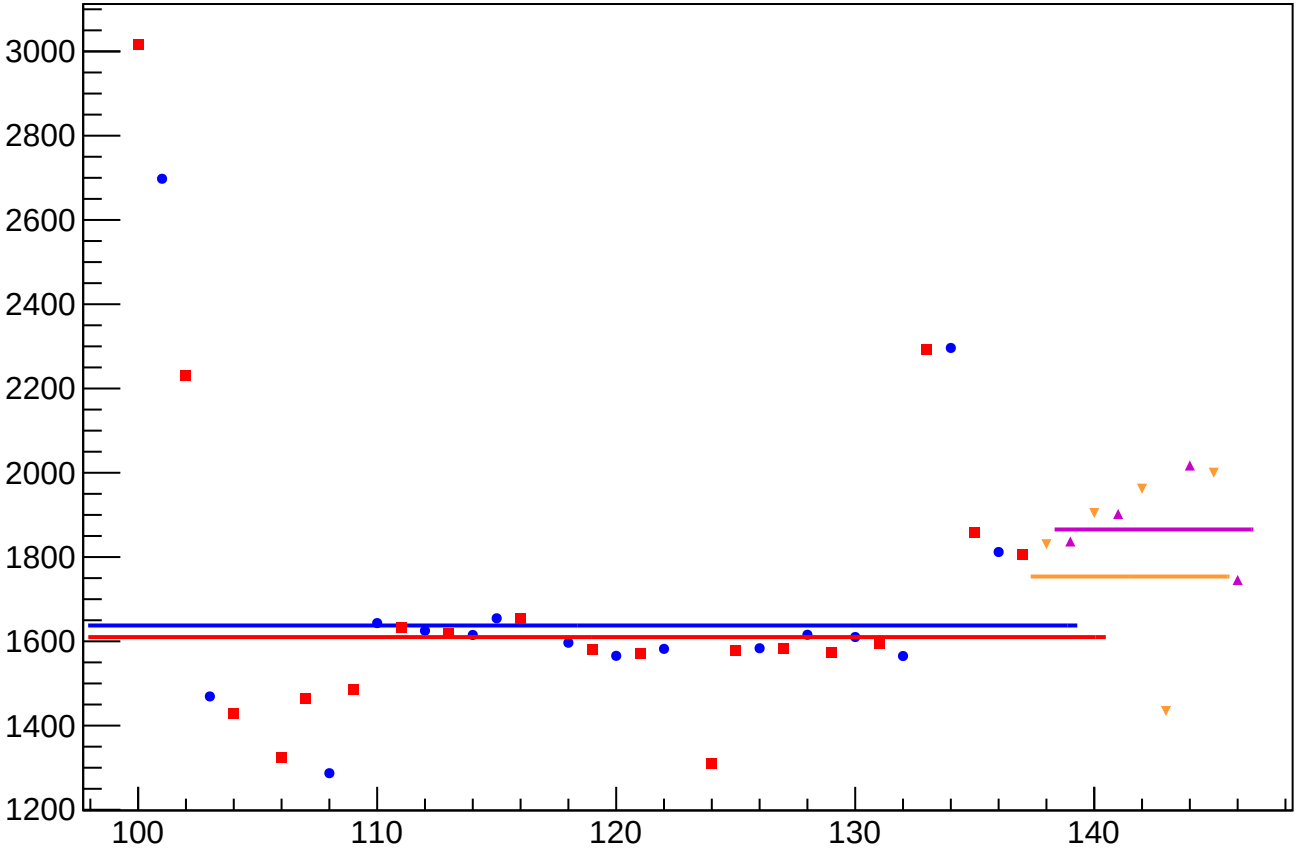
Left In: -431.940+/-993.901 χ^2/NDF:4.6/3

+ sign 484.247+/-512.737 χ^2/NDF: 31.9/20

All: 153.243+/-363.562 χ^2/NDF: 58.1/43

- sign -181.445+/-515.583 χ^2/NDF: 25.4/22

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1753.785+/-0.651 χ^2/NDF:128601.4/4

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

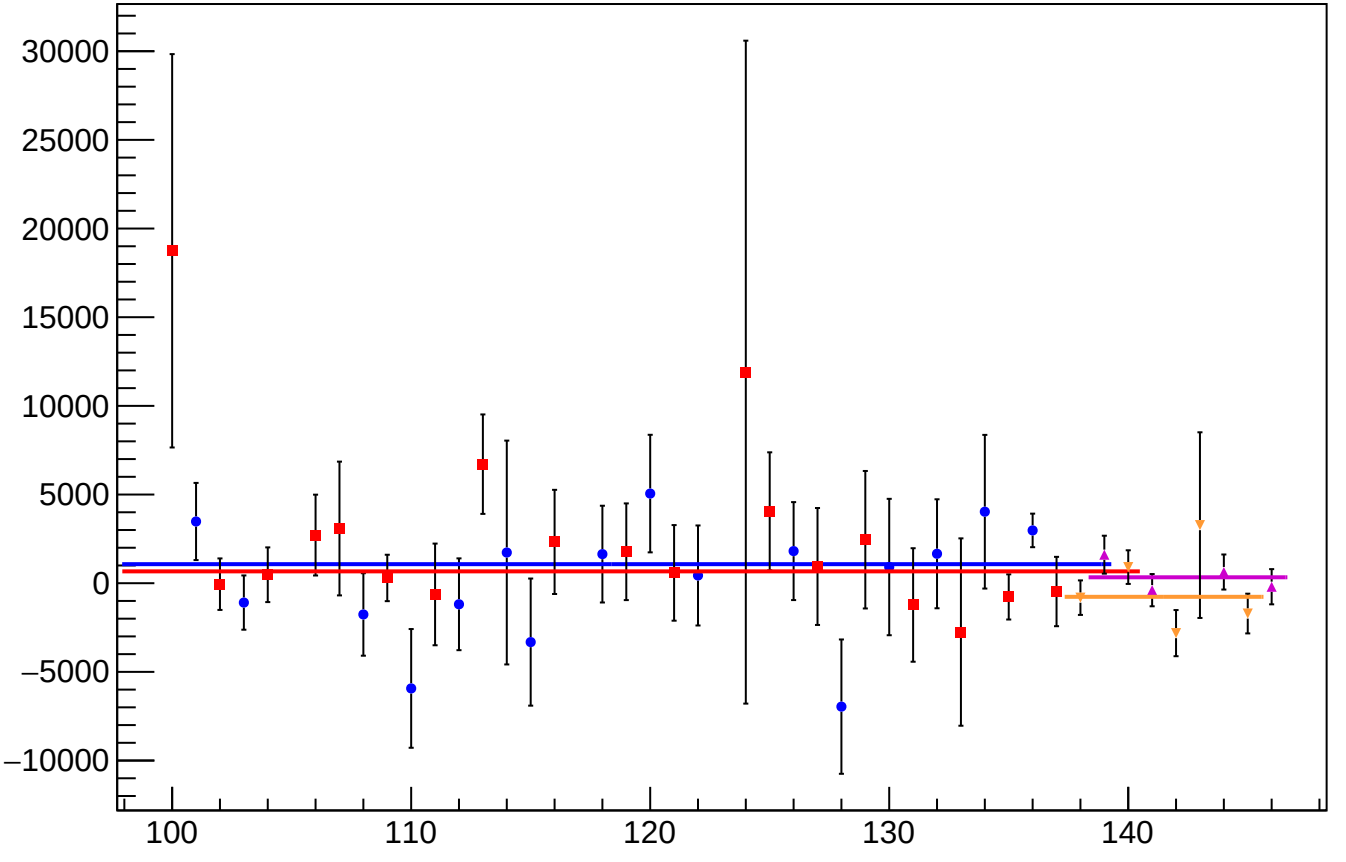
Left In: 1865.441+/-0.703 χ^2/NDF:19753.7/3

+ sign 1673.592+/-0.363 χ^2/NDF: 511992.1/20

All: 1676.167+/-0.257 χ^2/NDF: 909183.8/43

- sign 1678.770+/-0.365 χ^2/NDF: 397090.3/22

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: -767.655+/-527.662 χ^2/NDF:6.9/4

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

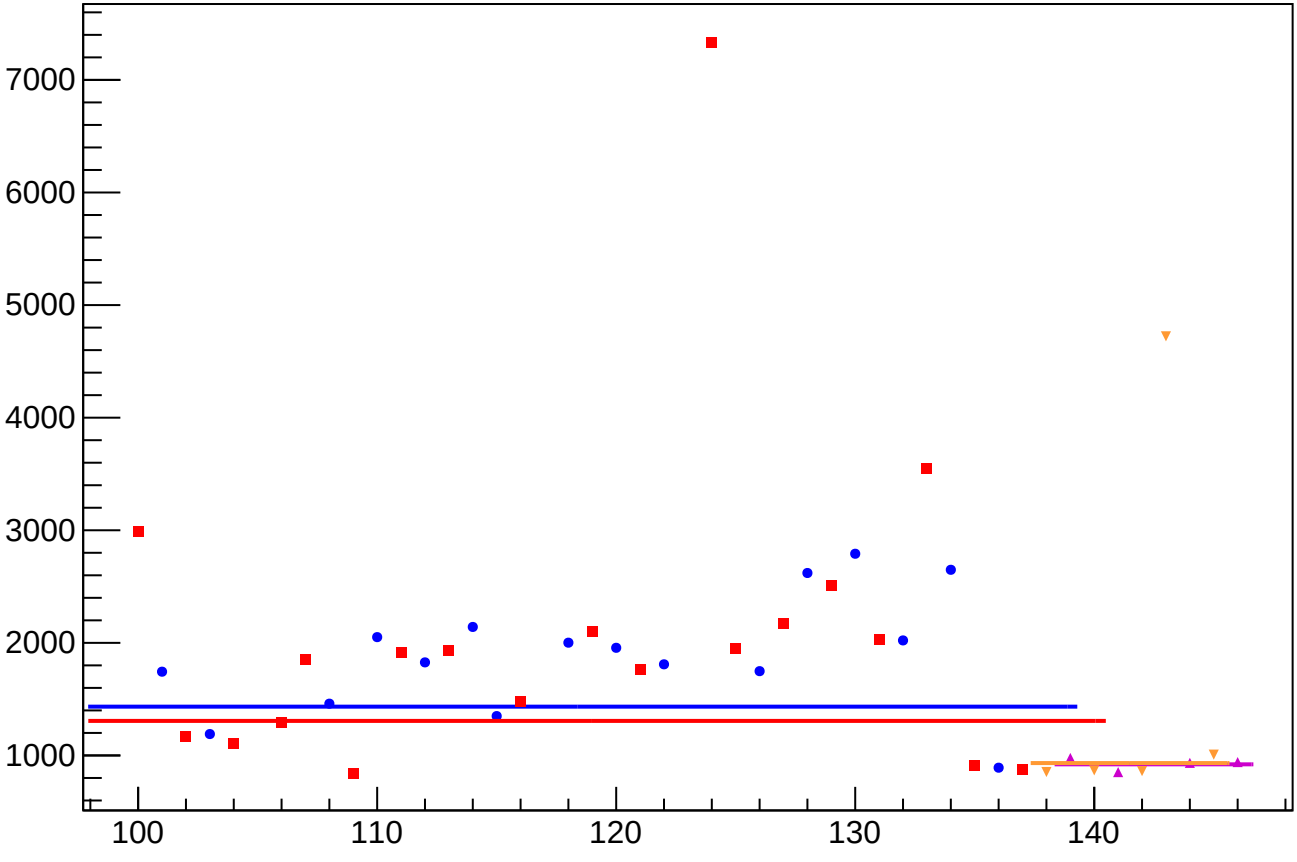
Left In: 333.588+/-492.489 χ^2/NDF:2.4/3

+ sign 79.481+/-387.720 χ^2/NDF: 34.5/20

All: 300.947+/-263.301 χ^2/NDF: 51.4/43

- sign 490.499+/-358.697 χ^2/NDF: 16.2/22

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 932.365+/-0.373 χ^2/NDF:1085964.5/4

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

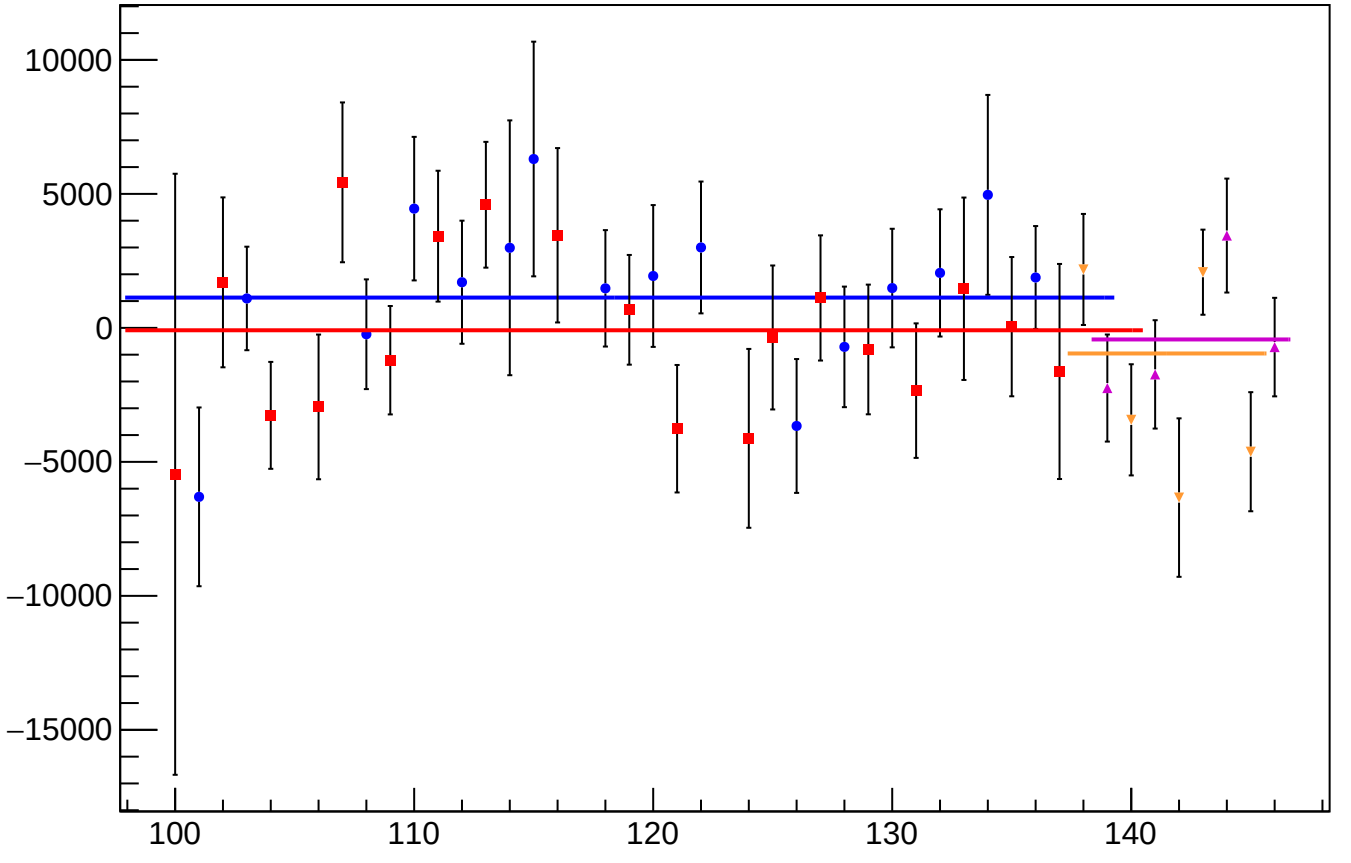
Left In: 921.125+/-0.348 χ^2/NDF:18349.8/3

+ sign 1162.920+/-0.274 χ^2/NDF: 3679357.1/20

All: 1130.225+/-0.186 χ^2/NDF: 6484097.2/43

- sign 1102.241+/-0.254 χ^2/NDF: 2778345.9/22

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -955.114+/-920.993 χ^2/NDF:13.4/4

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

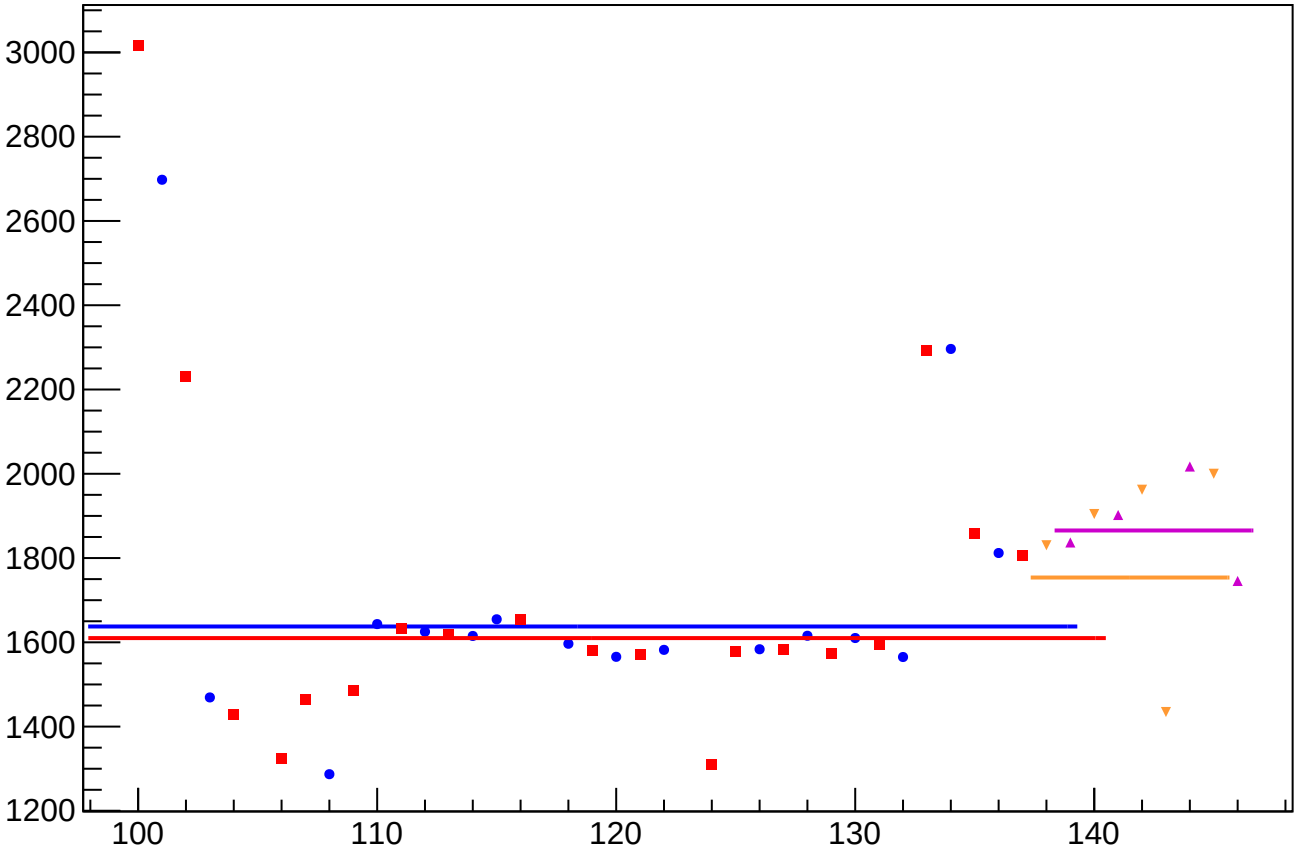
Left In: -431.928+/-993.901 χ^2/NDF:4.6/3

+ sign 484.243+/-512.737 χ^2/NDF: 31.9/20

All: 153.241+/-363.562 χ^2/NDF: 58.1/43

- sign -181.446+/-515.583 χ^2/NDF: 25.4/22

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1753.786+/-0.651 χ^2/NDF:128600.1/4

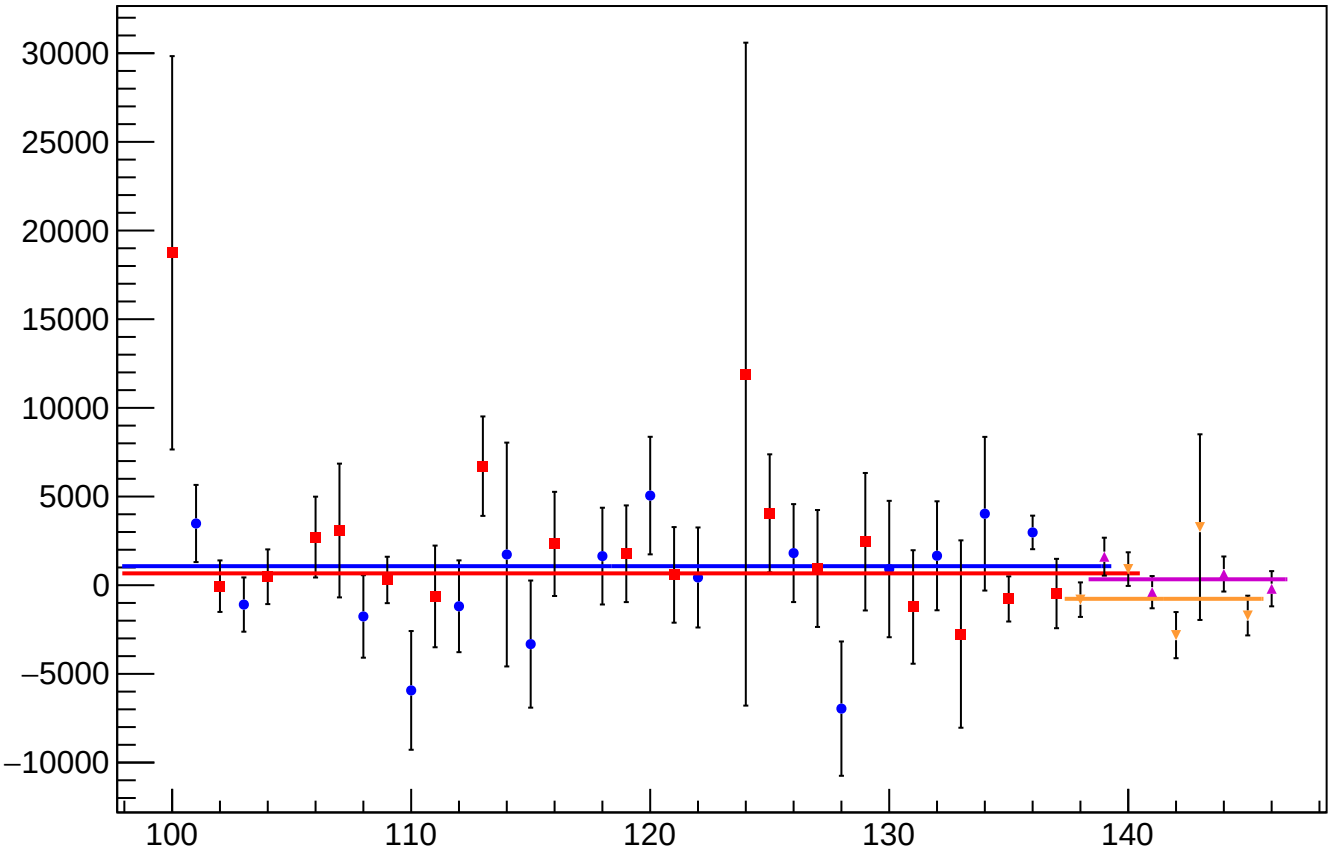
Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1865.441+/-0.703 χ^2/NDF:19753.8/3

+ sign 1673.593+/-0.363 χ^2/NDF: 511991.1/20

All: 1676.167+/-0.257 χ^2/NDF: 909183.1/43

- sign 1678.770+/-0.365 χ^2/NDF: 397090.7/22



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: -767.666+/-527.669 χ^2/NDF:6.9/4

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

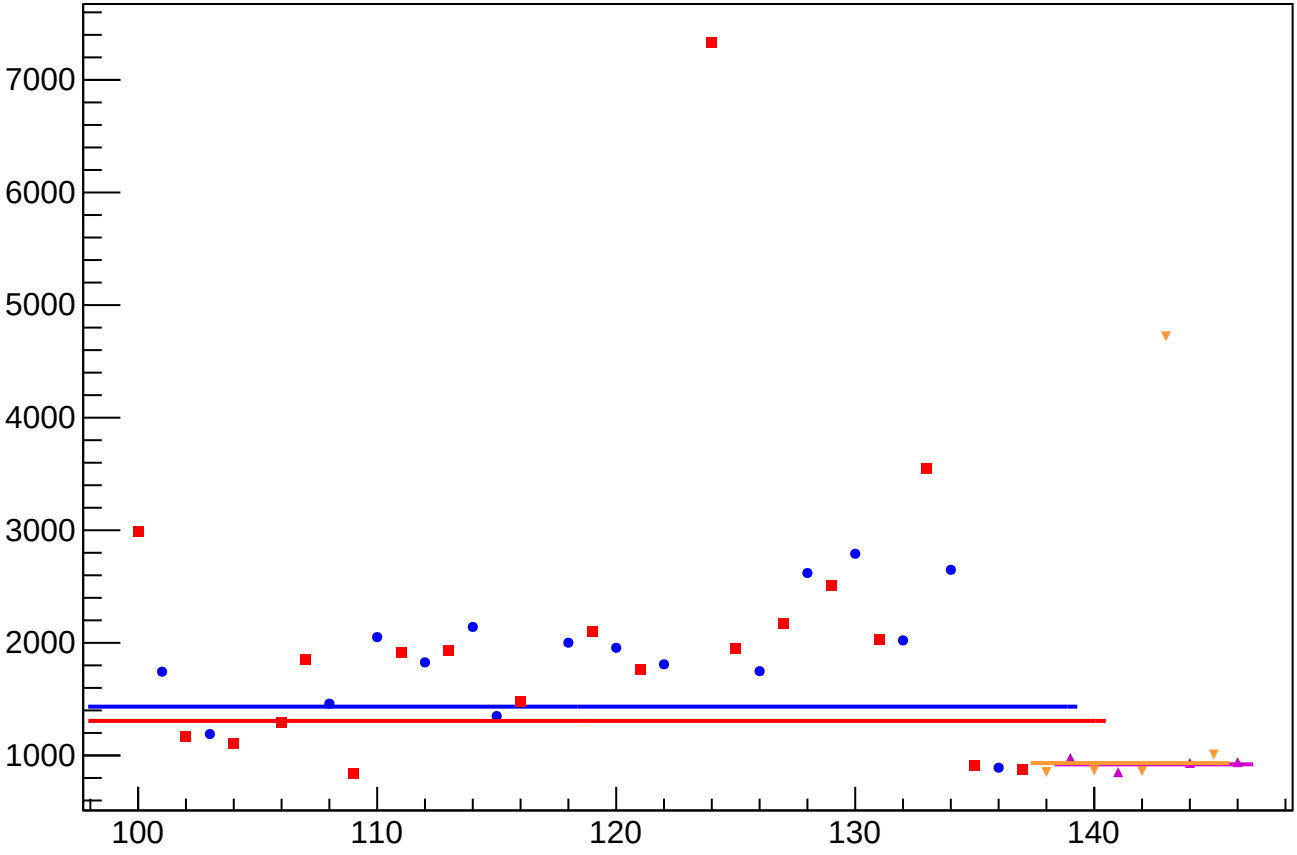
Left In: 333.586+/-492.491 χ^2/NDF:2.4/3

+ sign 79.474+/-387.724 χ^2/NDF: 34.5/20

All: 300.947+/-263.302 χ^2/NDF: 51.4/43

- sign 490.503+/-358.699 χ^2/NDF: 16.2/22

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 932.377+/-0.373 χ^2/NDF:1085951.9/4

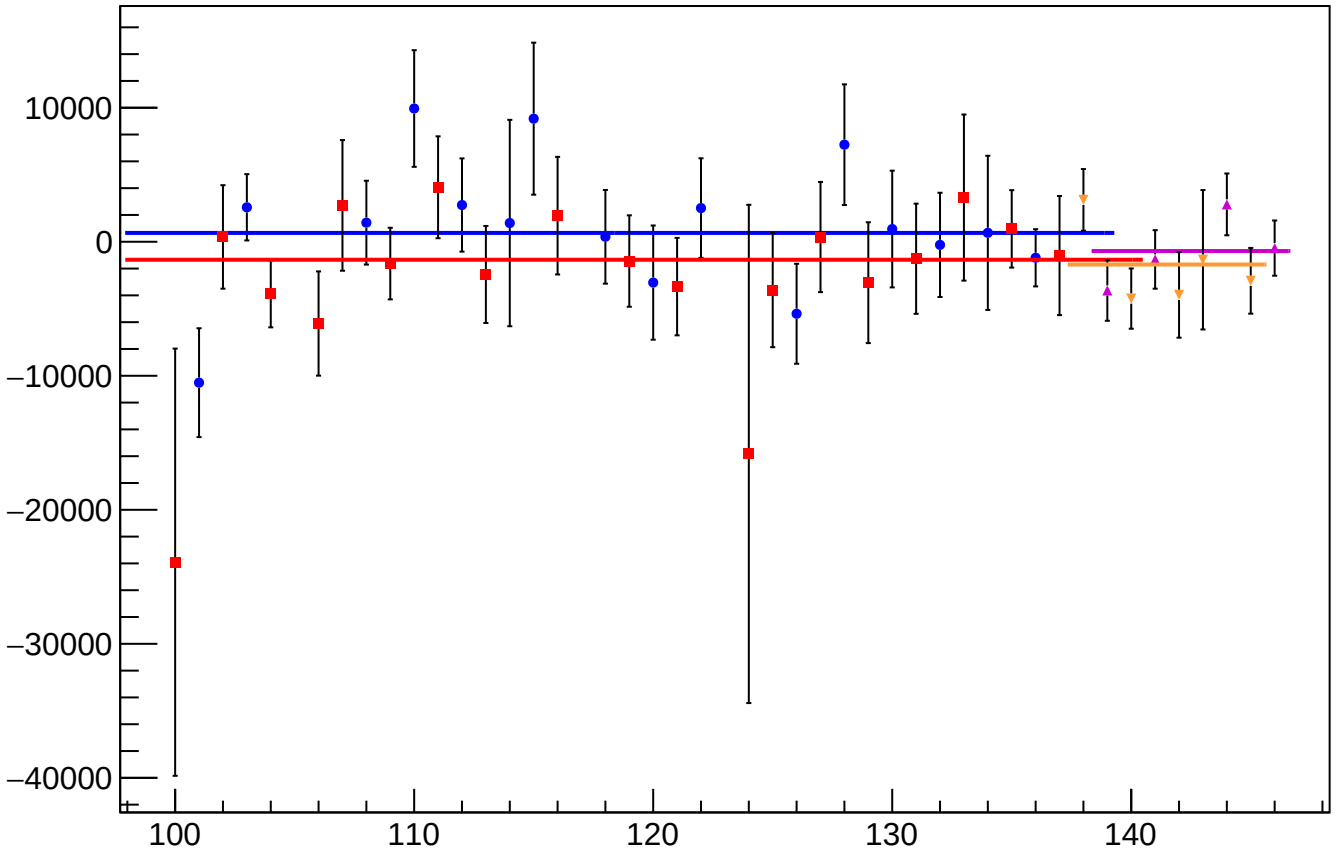
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 921.128+/-0.348 χ^2/NDF:18351.0/3

\+ sign 1162.935+/-0.274 χ^2/NDF: 3679244.4/20

All: 1130.235+/-0.186 χ^2/NDF: 6483943.8/43

\- sign 1102.248+/-0.254 χ^2/NDF: 2778298.9/22



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1698.252+/-1205.159 χ^2/NDF:6.4/4

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

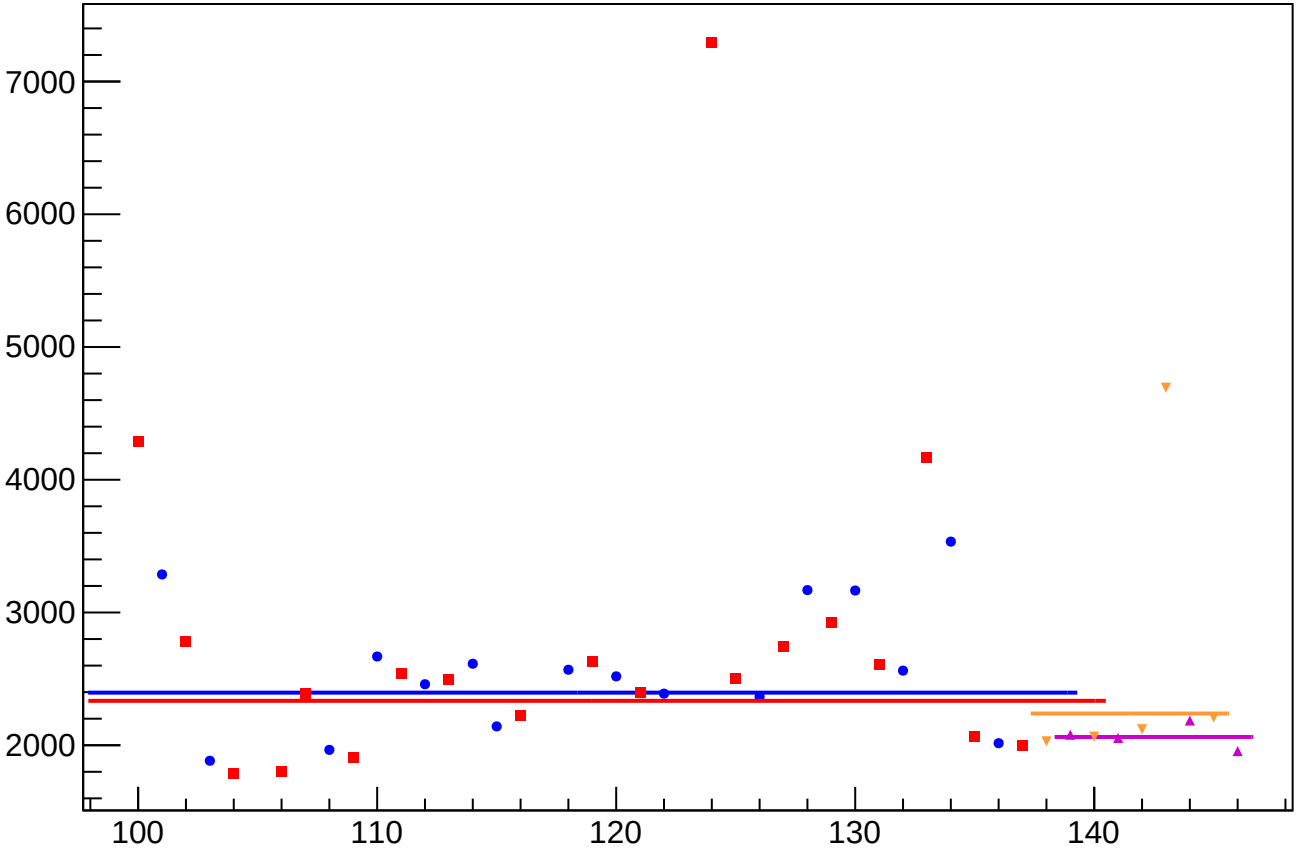
Left In: -692.223+/-1098.247 χ^2/NDF:4.1/3

+ sign -196.160+/-726.004 χ^2/NDF: 30.9/20

All: -661.652+/-500.804 χ^2/NDF: 46.8/43

- sign -1084.227+/-691.727 χ^2/NDF: 15.1/22

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2238.980+/-0.852 χ^2/NDF:477051.5/4

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

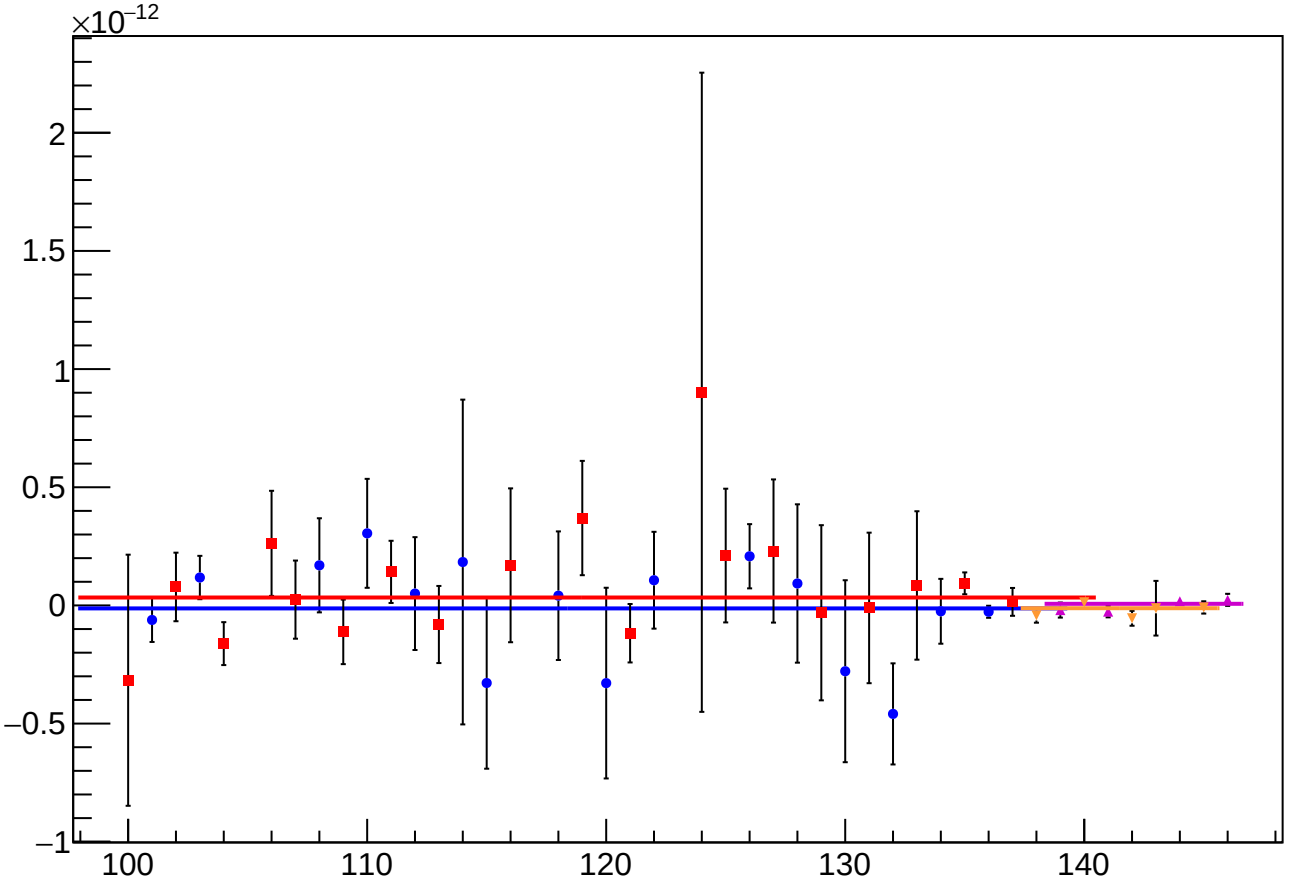
Left In: 2062.347+/-0.777 χ^2/NDF:11226.8/3

+ sign 2339.193+/-0.513 χ^2/NDF: 1006654.9/20

All: 2280.171+/-0.354 χ^2/NDF: 1798813.1/43

- sign 2226.592+/-0.489 χ^2/NDF: 766940.5/22

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:4.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

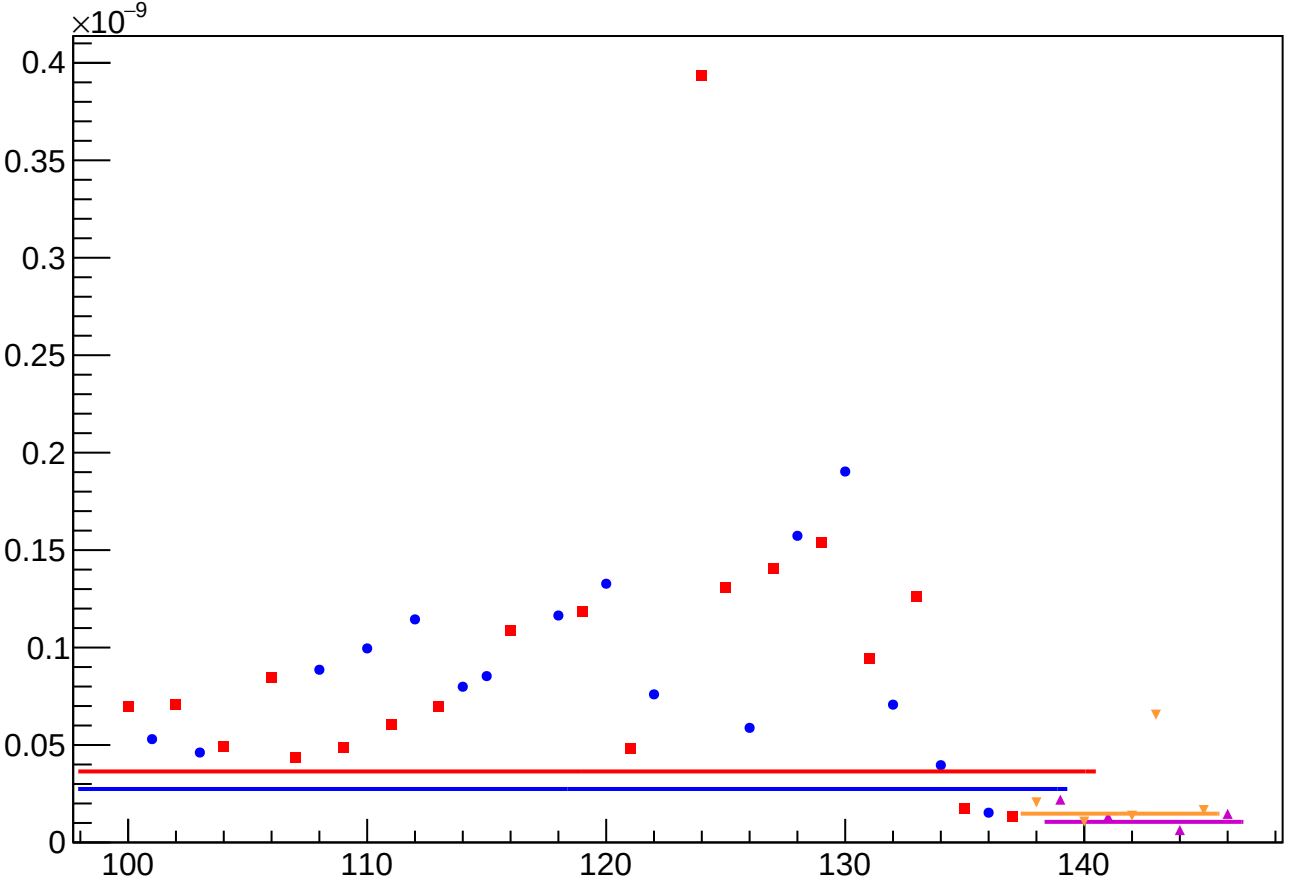
Left In: 0.000+/-0.000 χ^2/NDF:3.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.4/20

All: 0.000+/-0.000 χ^2/NDF: 41.2/43

- sign 0.000+/-0.000 χ^2/NDF: 19.5/22

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:560116.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

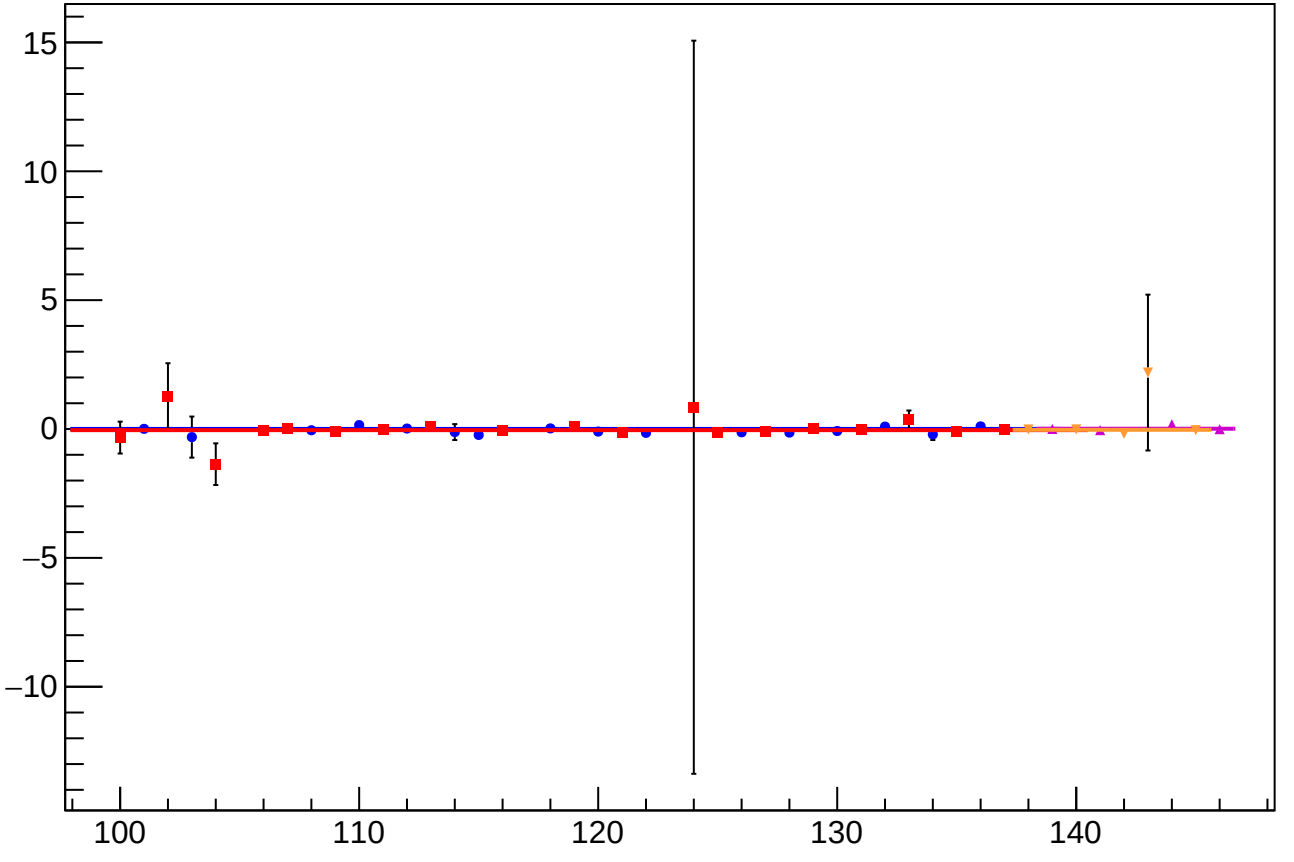
Left In: 0.000+/-0.000 χ^2/NDF:517296.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3782000.8/20

All: 0.000+/-0.000 χ^2/NDF: 8412609.0/43

- sign 0.000+/-0.000 χ^2/NDF: 4465071.2/22

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.031+/-0.035 χ^2/NDF:1.8/4

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

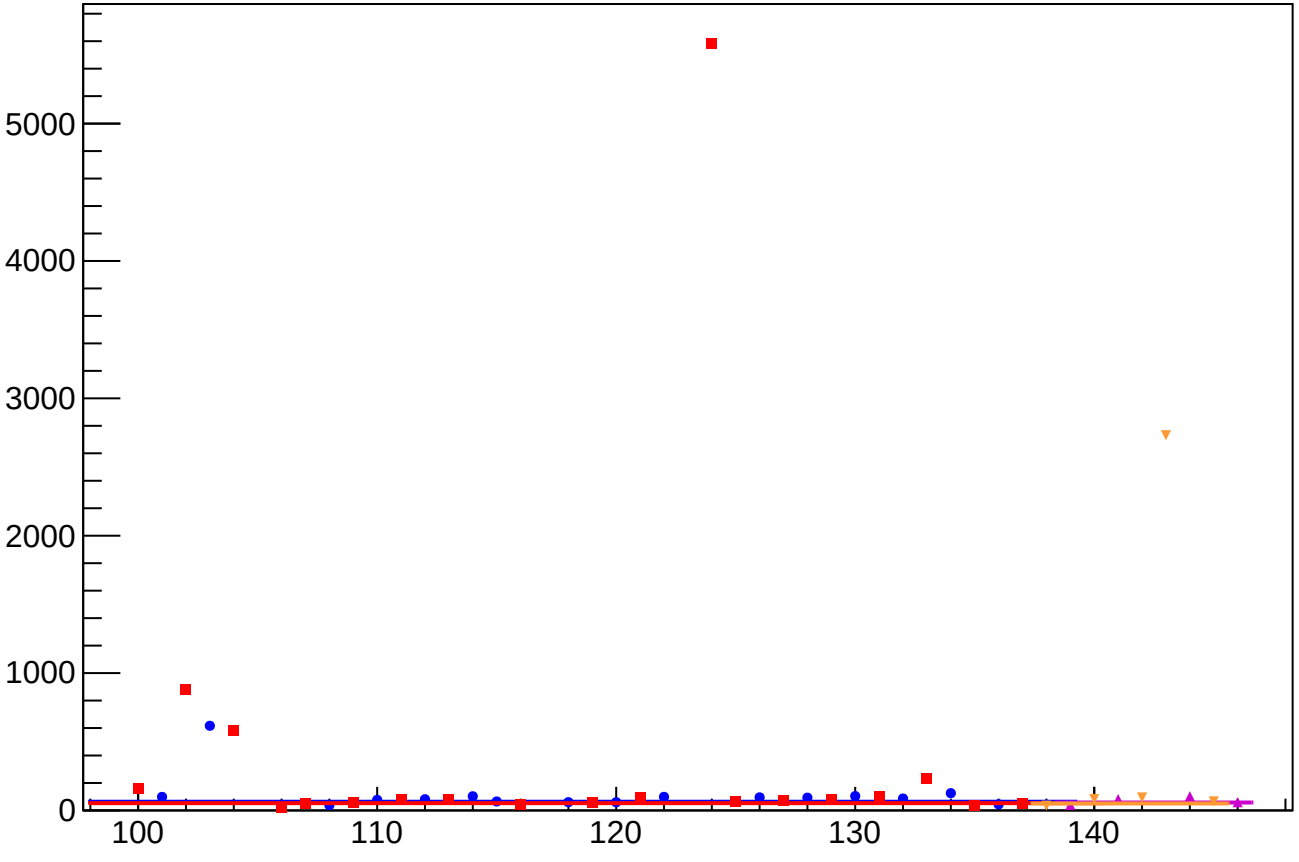
Left In: 0.011+/-0.035 χ^2/NDF:2.8/3

+ sign -0.010+/-0.021 χ^2/NDF: 15.7/20

All: -0.018+/-0.015 χ^2/NDF: 33.1/43

- sign -0.025+/-0.020 χ^2/NDF: 17.1/22

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 50.895+/-0.025 χ^2/NDF:2313079.2/4

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

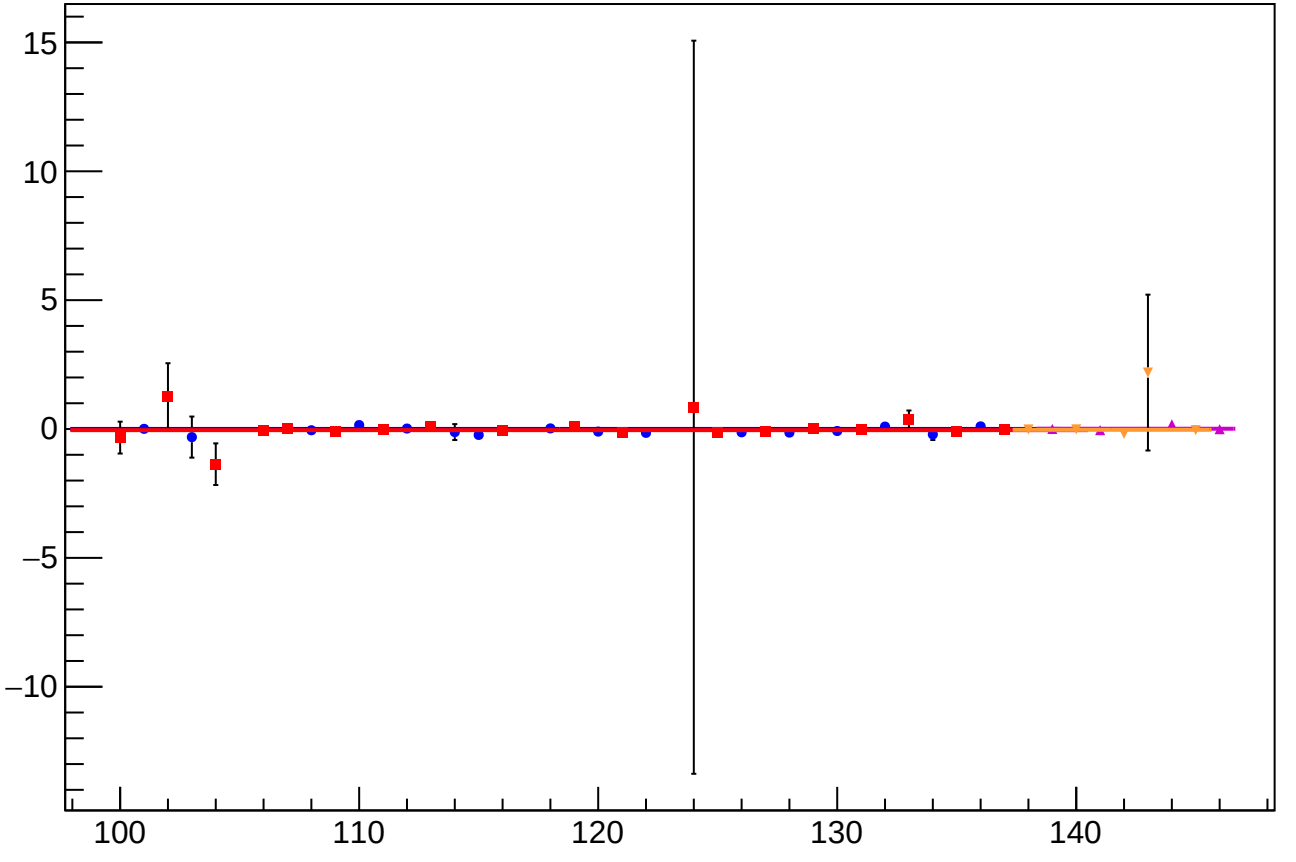
Left In: 57.813+/-0.025 χ^2/NDF:725479.0/3

+ sign 58.697+/-0.015 χ^2/NDF: 4919697.2/20

All: 56.612+/-0.010 χ^2/NDF: 9649824.8/43

- sign 54.757+/-0.014 χ^2/NDF: 4694416.6/22

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: -0.031+/-0.035 χ^2/NDF:1.8/4

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

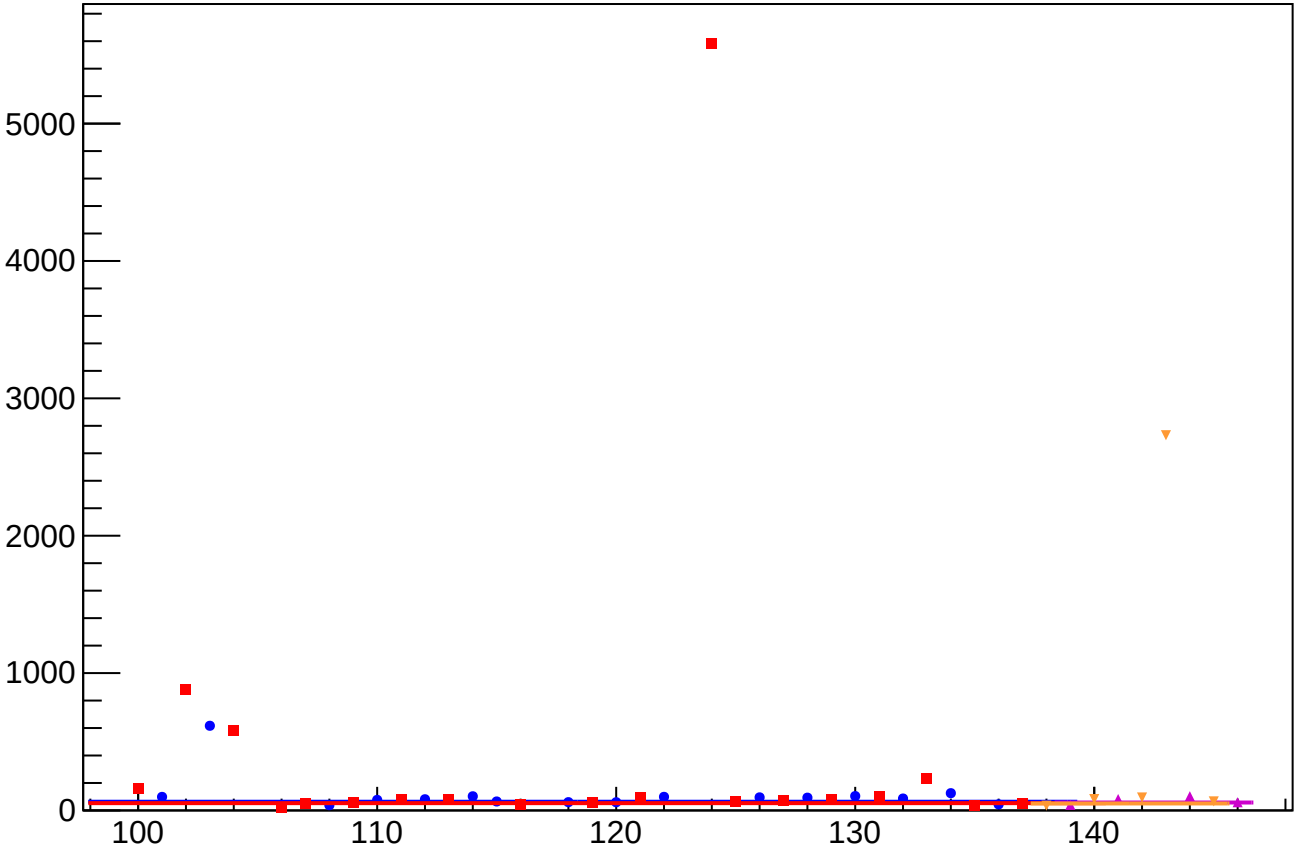
Left In: 0.011+/-0.035 χ^2/NDF:2.8/3

\+ sign -0.010+/-0.021 χ^2/NDF: 15.7/20

All: -0.018+/-0.015 χ^2/NDF: 33.1/43

\- sign -0.025+/-0.020 χ^2/NDF: 17.1/22

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: 50.895+/-0.025 χ^2/NDF:2313079.2/4

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

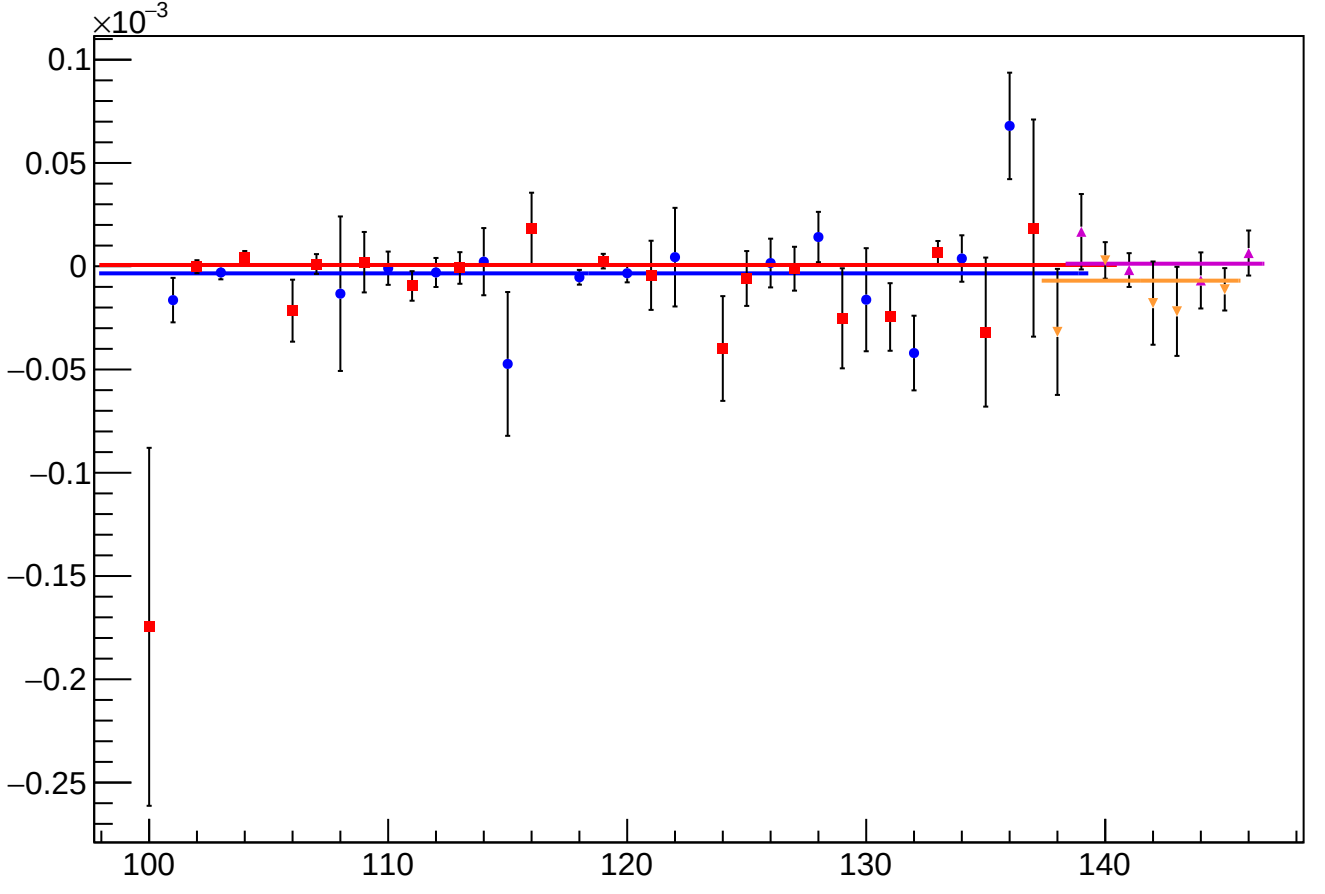
Left In: 57.813+/-0.025 χ^2/NDF:725479.0/3

+ sign 58.697+/-0.015 χ^2/NDF: 4919697.2/20

All: 56.612+/-0.010 χ^2/NDF: 9649824.8/43

- sign 54.757+/-0.014 χ^2/NDF: 4694416.6/22

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/4

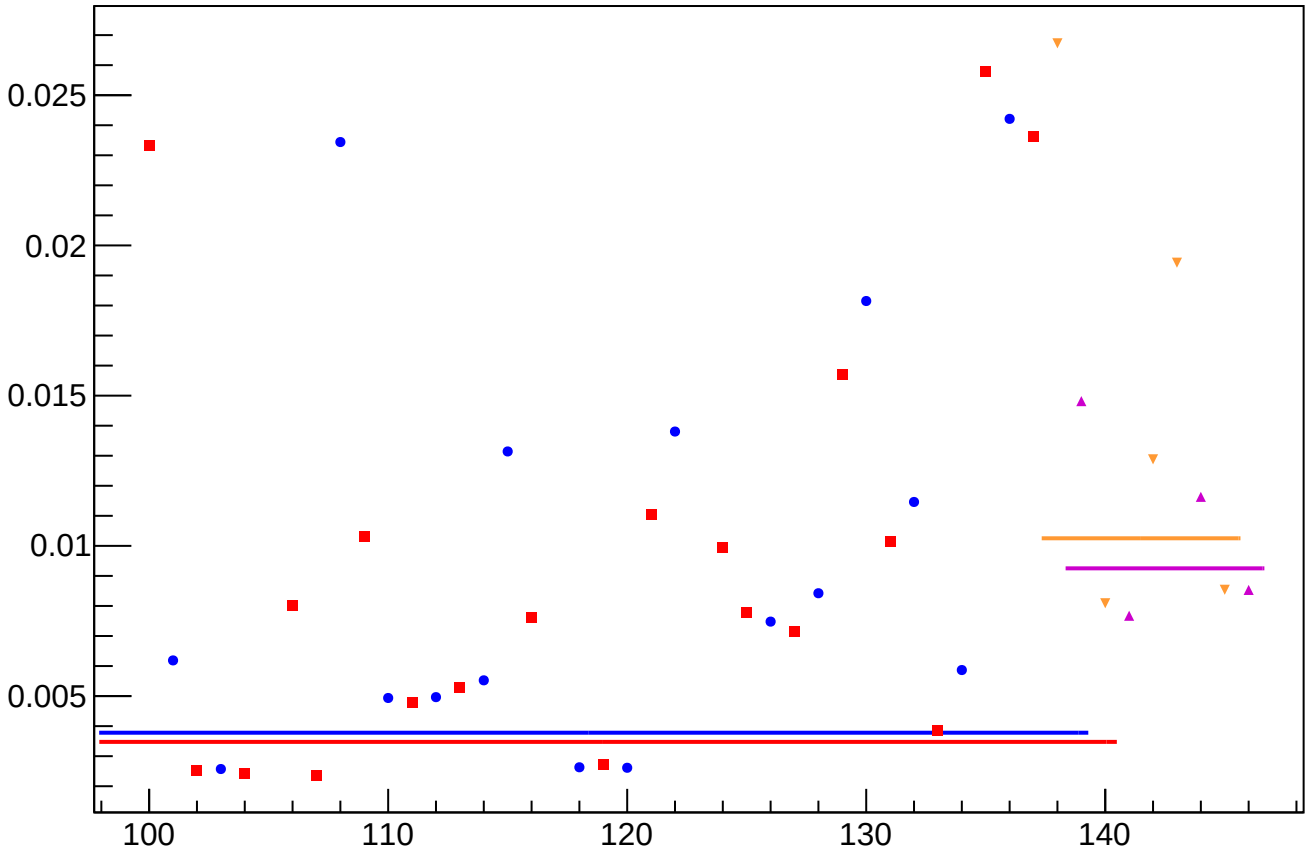
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.0/20

All: -0.000+/-0.000 χ^2/NDF: 46.3/43

- sign 0.000+/-0.000 χ^2/NDF: 20.6/22



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.010+/-0.000 χ^2/NDF:1154074.5/4

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

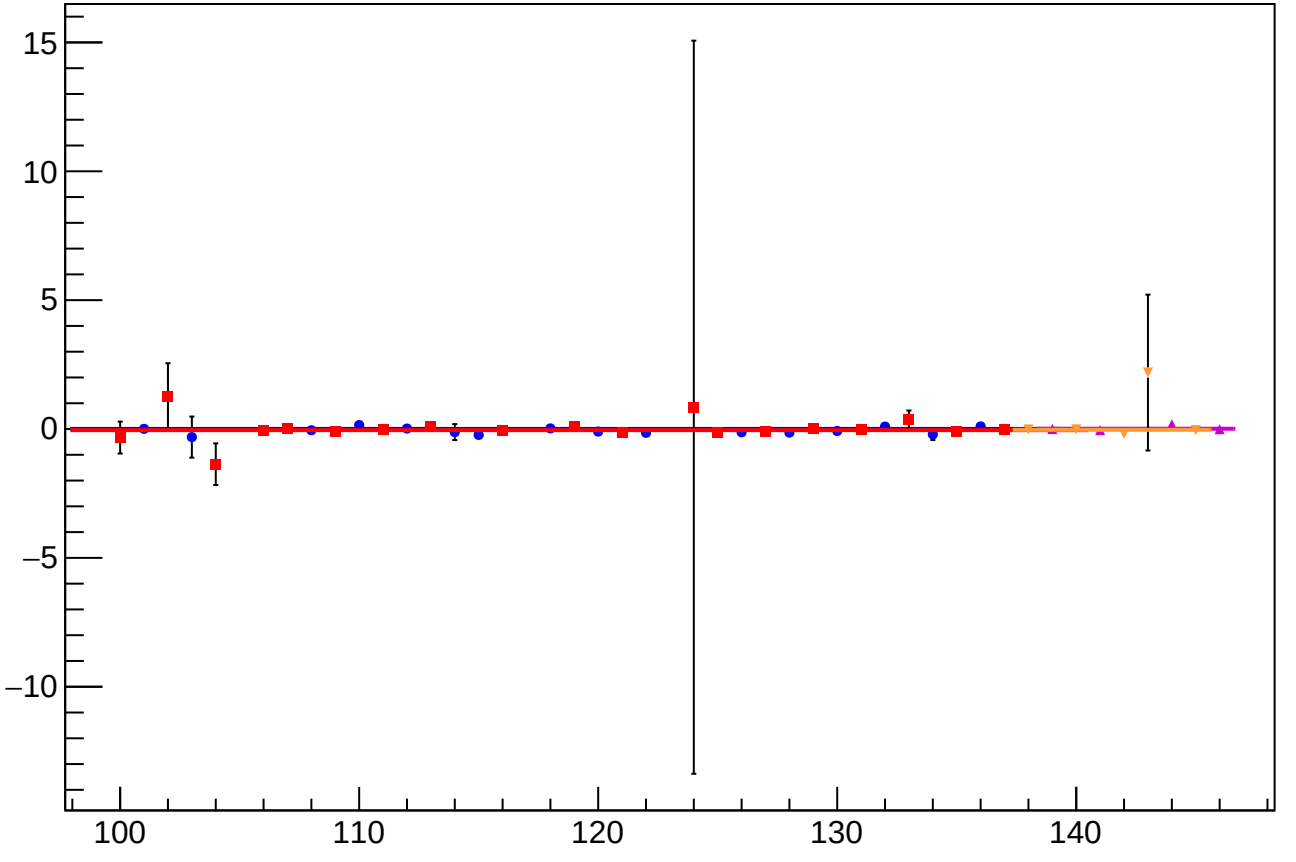
Left In: 0.009+/-0.000 χ^2/NDF:330237.6/3

+ sign 0.004+/-0.000 χ^2/NDF: 8015214.4/20

All: 0.004+/-0.000 χ^2/NDF: 14887671.8/43

- sign 0.004+/-0.000 χ^2/NDF: 6795576.7/22

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: -0.031+/-0.035 χ^2/NDF:1.8/4

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

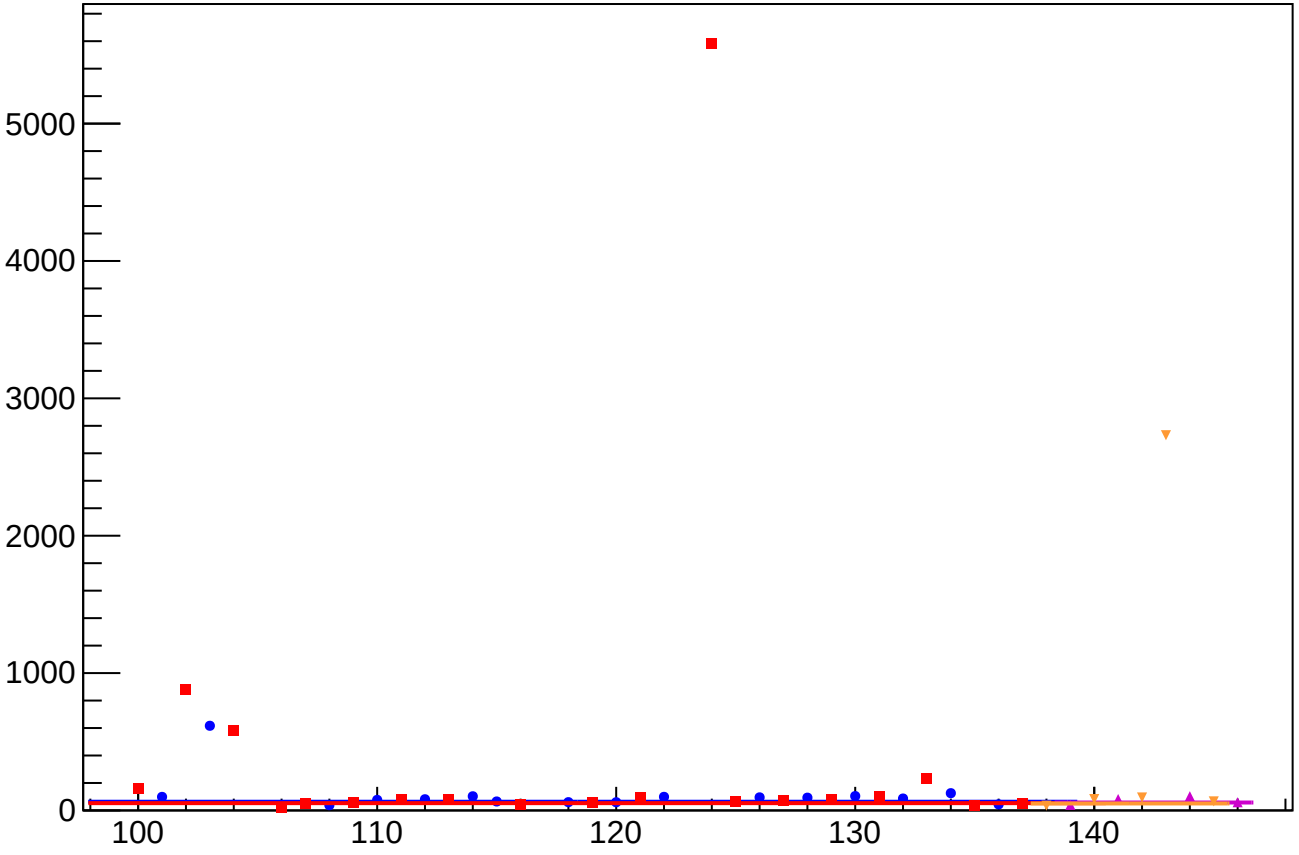
Left In: 0.011+/-0.035 χ^2/NDF:2.8/3

+ sign -0.010+/-0.021 χ^2/NDF: 15.7/20

All: -0.018+/-0.015 χ^2/NDF: 33.1/43

- sign -0.025+/-0.020 χ^2/NDF: 17.1/22

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: 50.893+/-0.025 χ^2/NDF:2312988.4/4

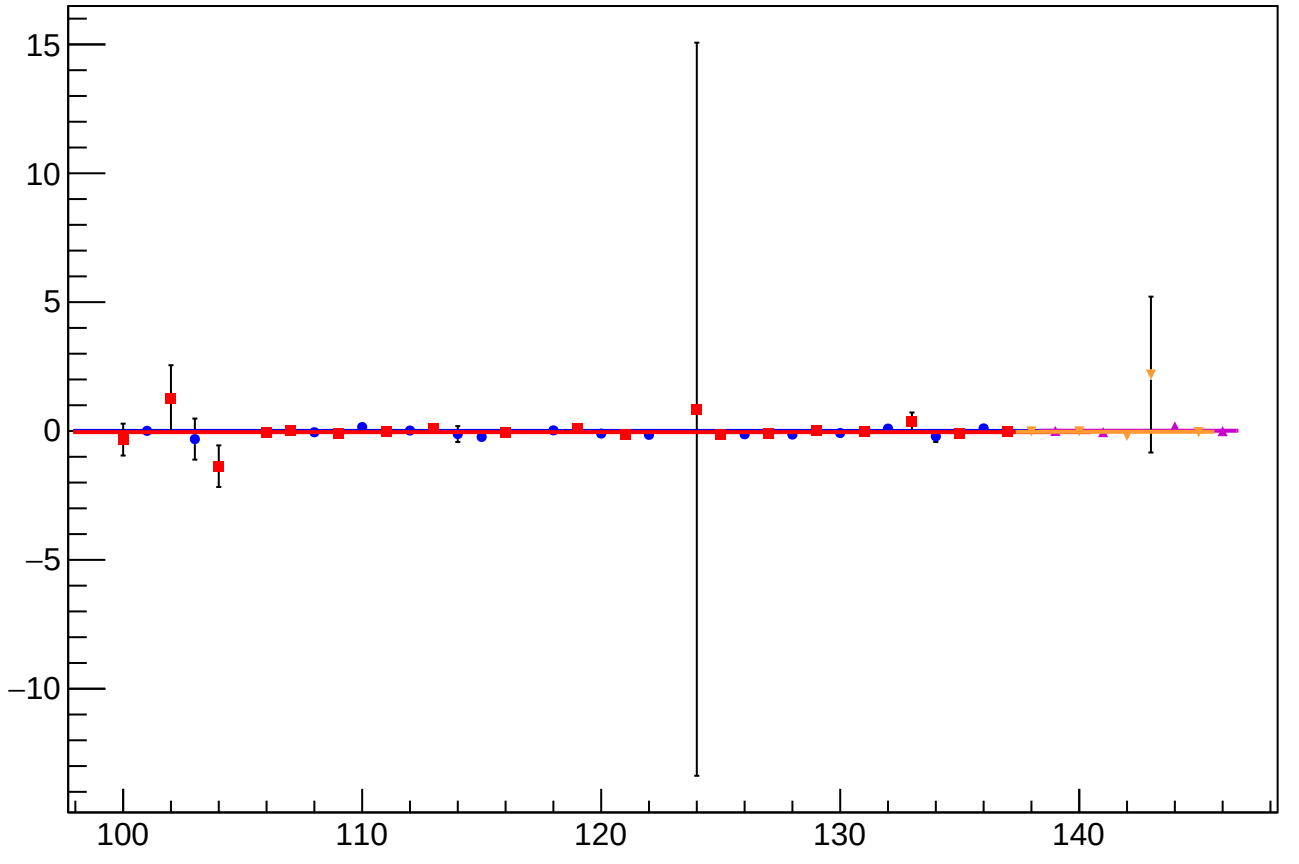
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.820+/-0.025 χ^2/NDF:725126.3/3

+ sign 58.701+/-0.015 χ^2/NDF: 4918972.9/20

All: 56.613+/-0.010 χ^2/NDF: 9649520.2/43

- sign 54.756+/-0.014 χ^2/NDF: 4694742.8/22



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.031+/-0.035 χ^2/NDF:1.8/4

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

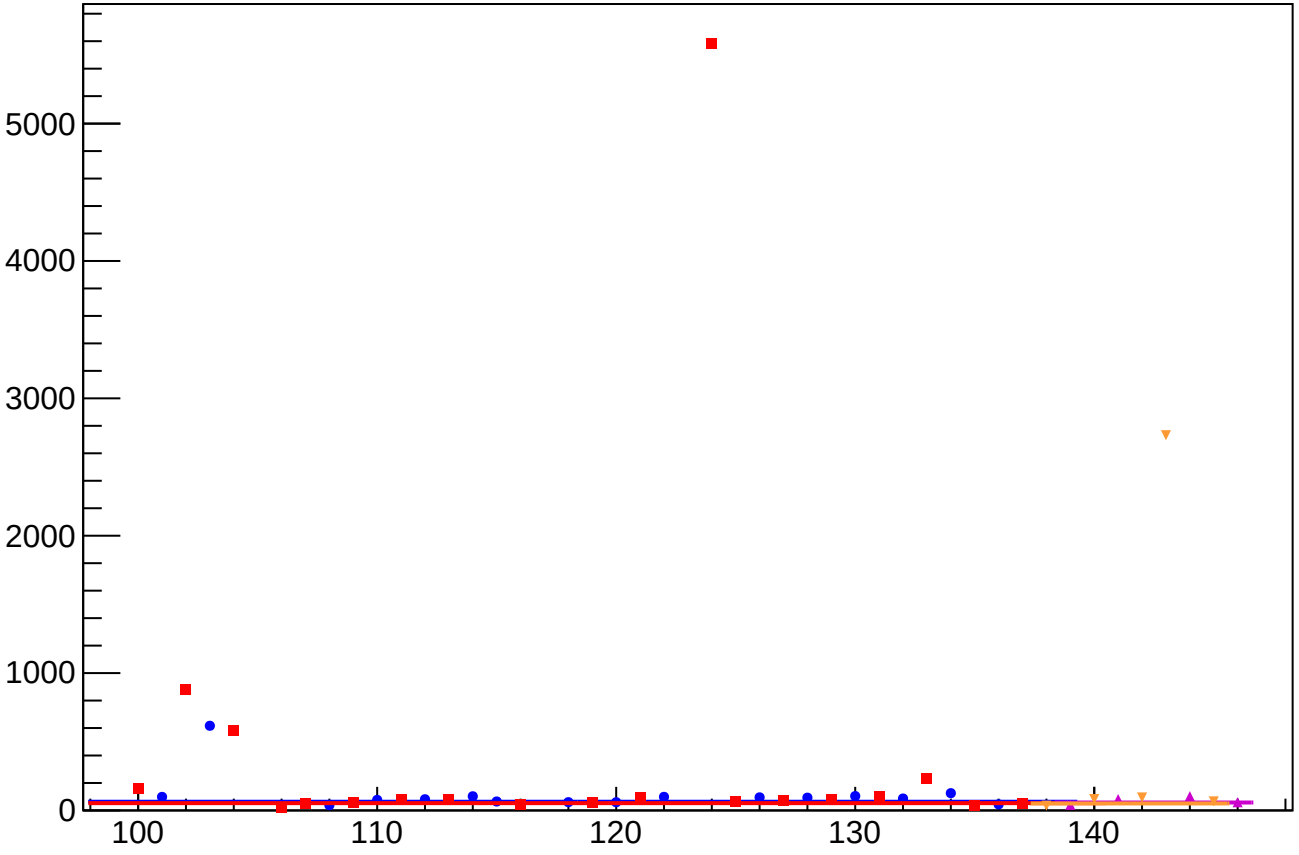
Left In: 0.011+/-0.035 χ^2/NDF:2.8/3

+ sign -0.010+/-0.021 χ^2/NDF: 15.7/20

All: -0.018+/-0.015 χ^2/NDF: 33.1/43

- sign -0.025+/-0.020 χ^2/NDF: 17.1/22

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 50.893+/-0.025 χ^2/NDF:2312988.4/4

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

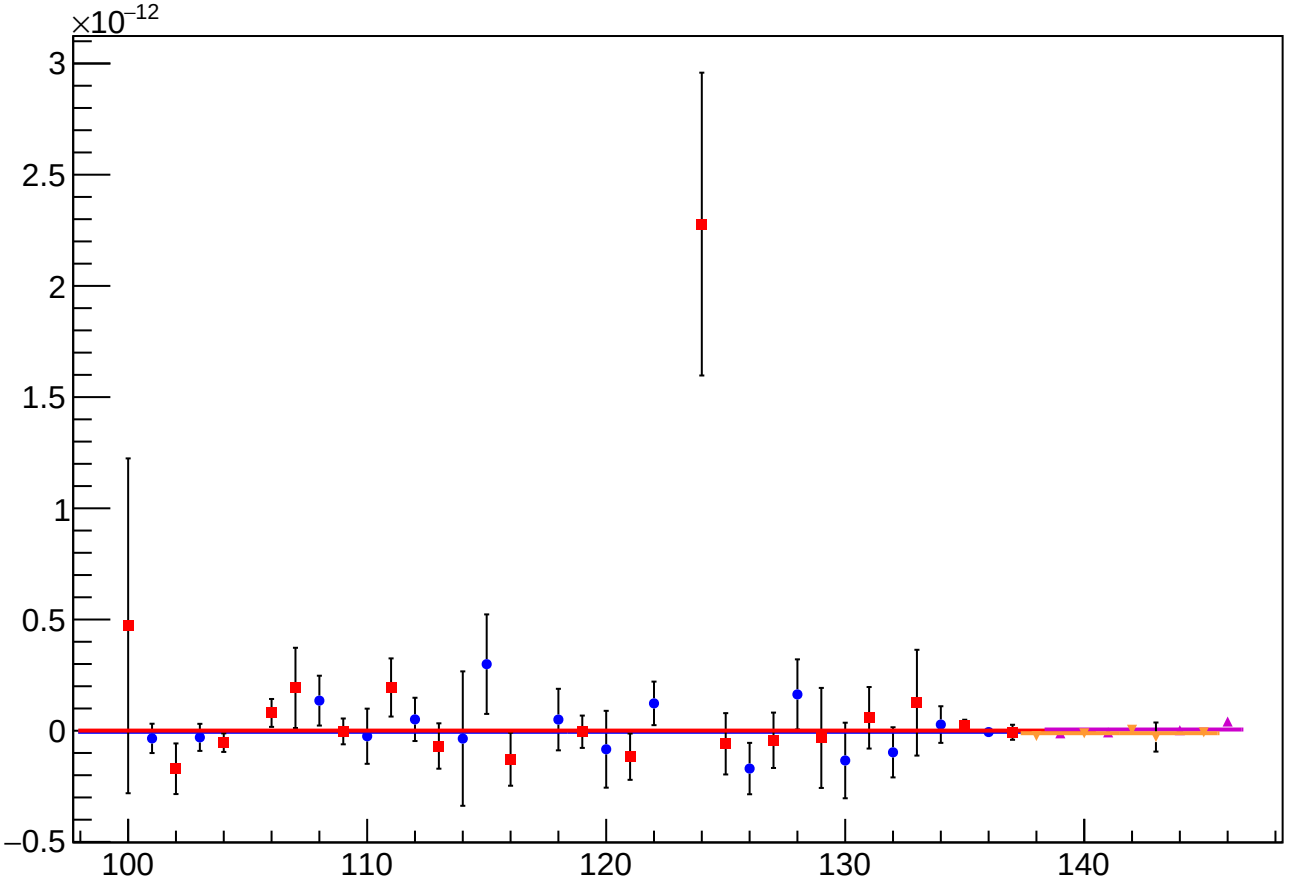
Left In: 57.820+/-0.025 χ^2/NDF:725126.3/3

+ sign 58.701+/-0.015 χ^2/NDF: 4918972.9/20

All: 56.613+/-0.010 χ^2/NDF: 9649520.2/43

- sign 54.756+/-0.014 χ^2/NDF: 4694742.8/22

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:1.5/4

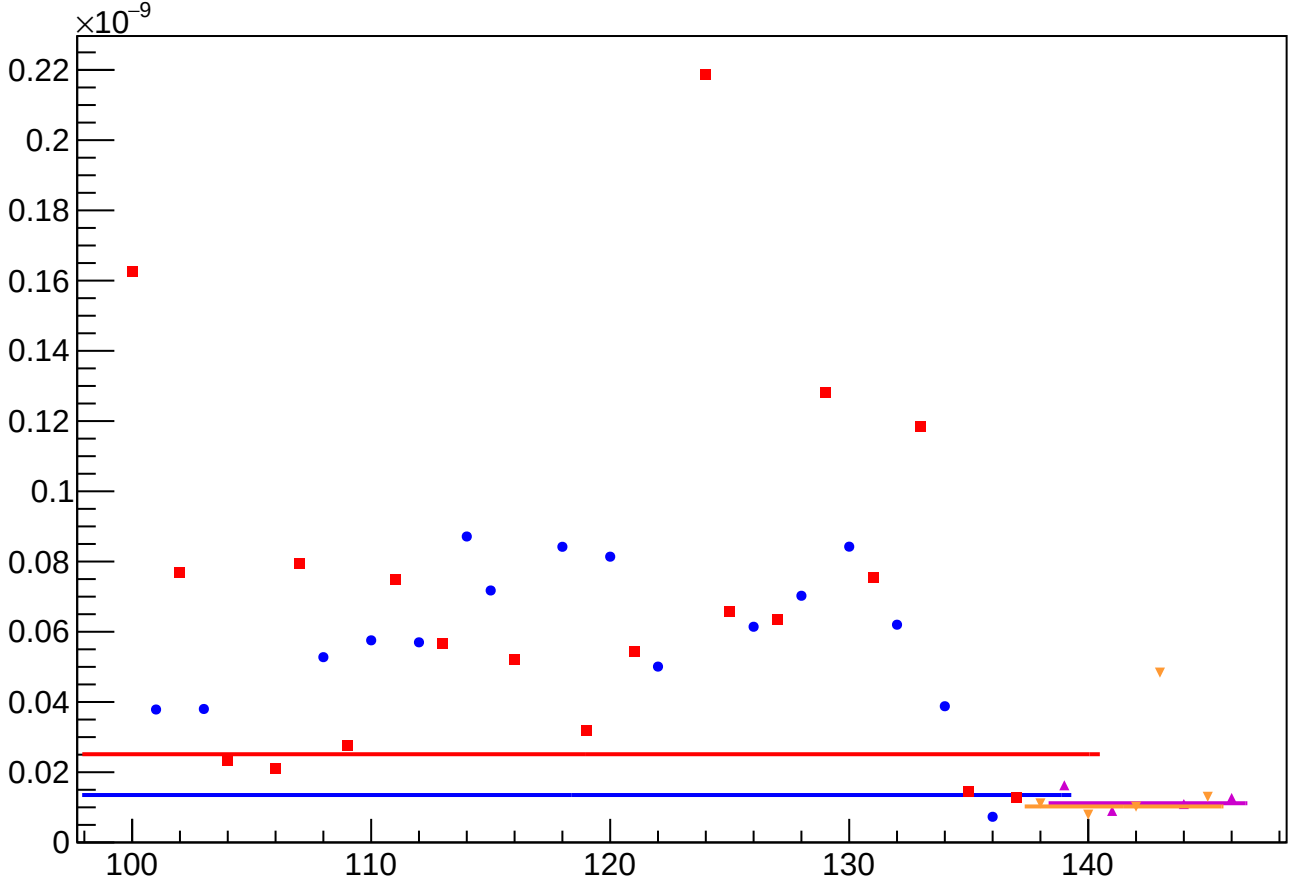
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 12.5/20

All: -0.000+/-0.000 χ^2/NDF: 46.9/43

- sign 0.000+/-0.000 χ^2/NDF: 32.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:840124.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

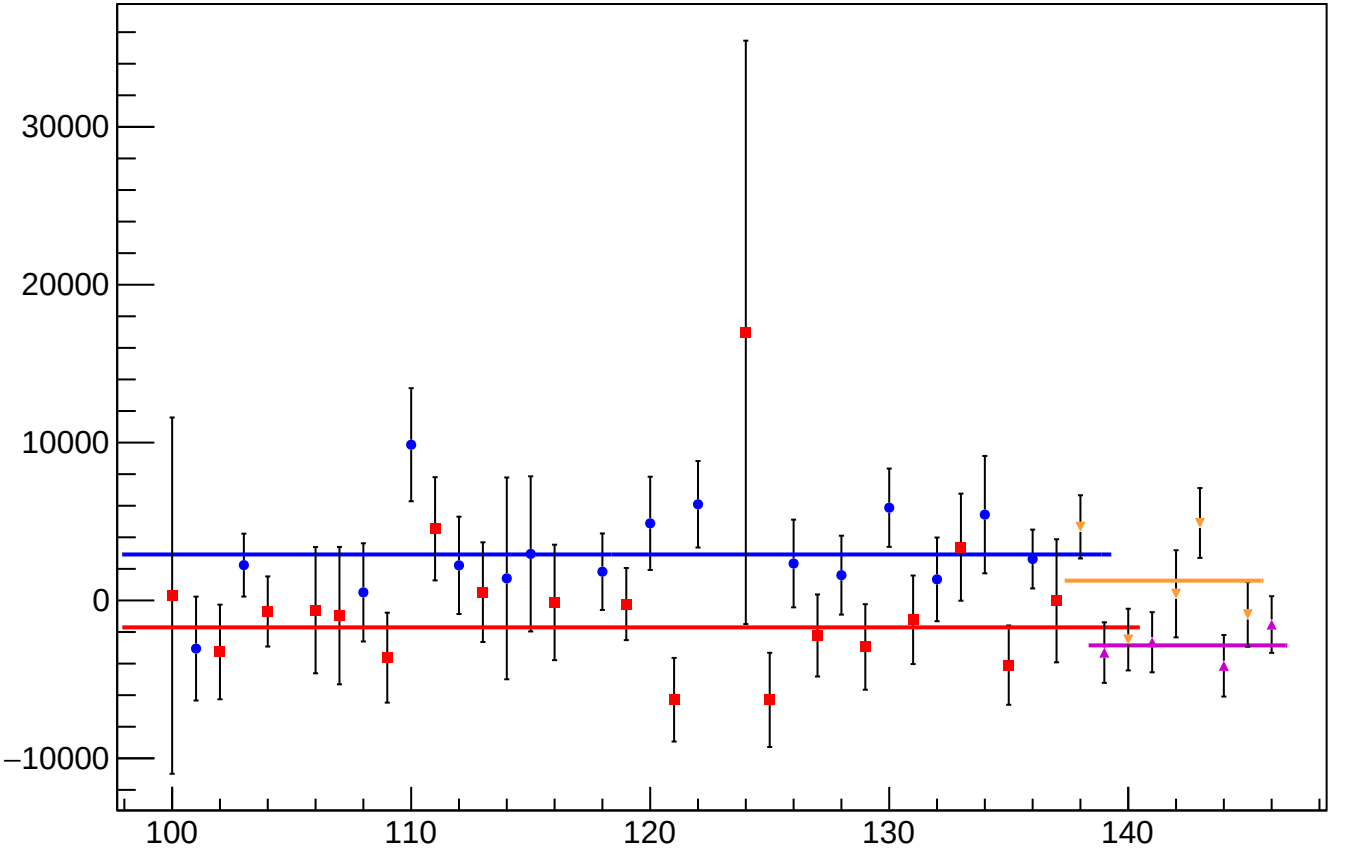
Left In: 0.000+/-0.000 χ^2/NDF:192061.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 5970028.9/20

All: 0.000+/-0.000 χ^2/NDF: 11297798.7/43

- sign 0.000+/-0.000 χ^2/NDF: 5153961.8/22

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1254.460+/-959.680 χ^2/NDF:10.5/4

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

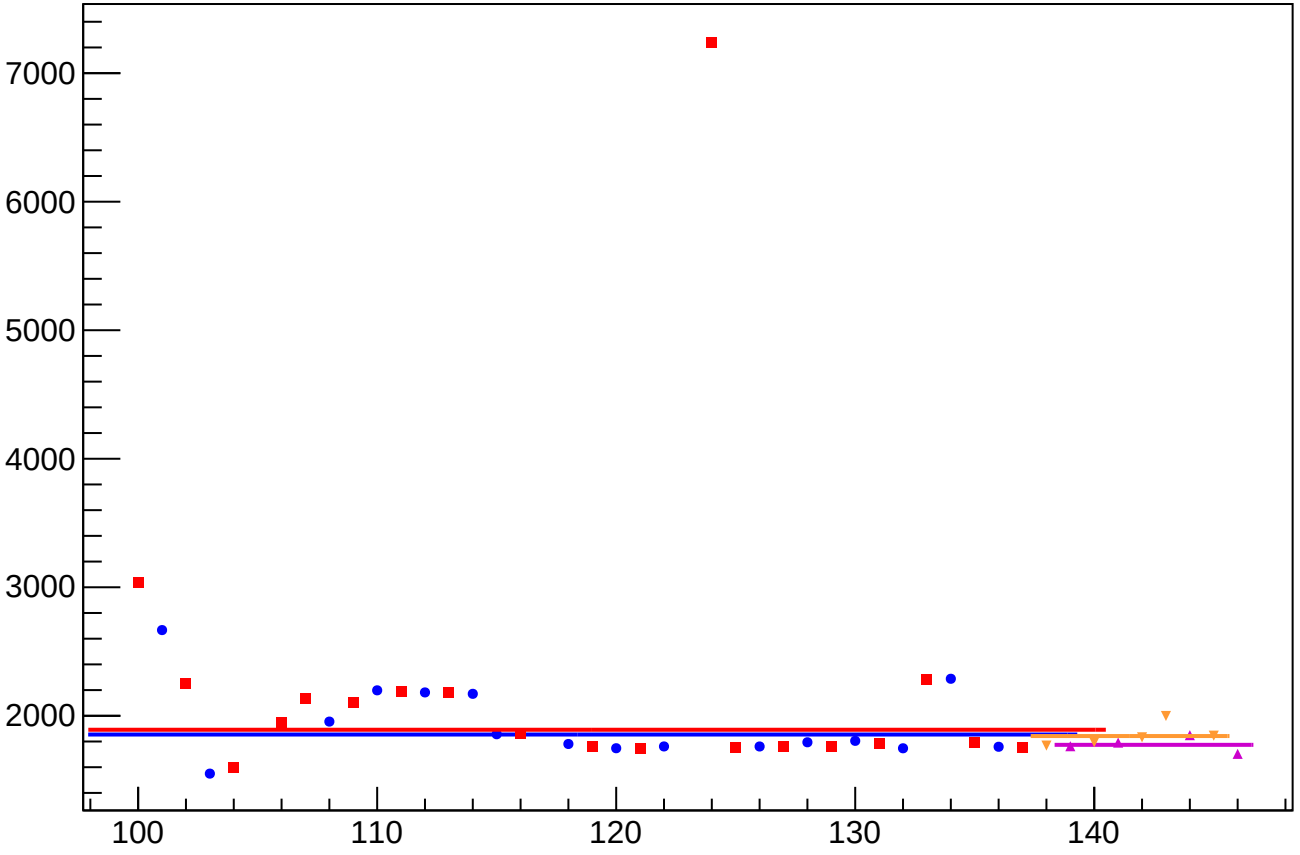
Left In: -2845.766+/-944.148 χ^2/NDF:1.1/3

+ sign 2342.336+/-562.926 χ^2/NDF: 24.9/20

All: 125.339+/-399.075 χ^2/NDF: 73.8/43

- sign -2114.675+/-565.841 χ^2/NDF: 17.8/22

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1842.484+/-0.679 χ^2/NDF:13984.9/4

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

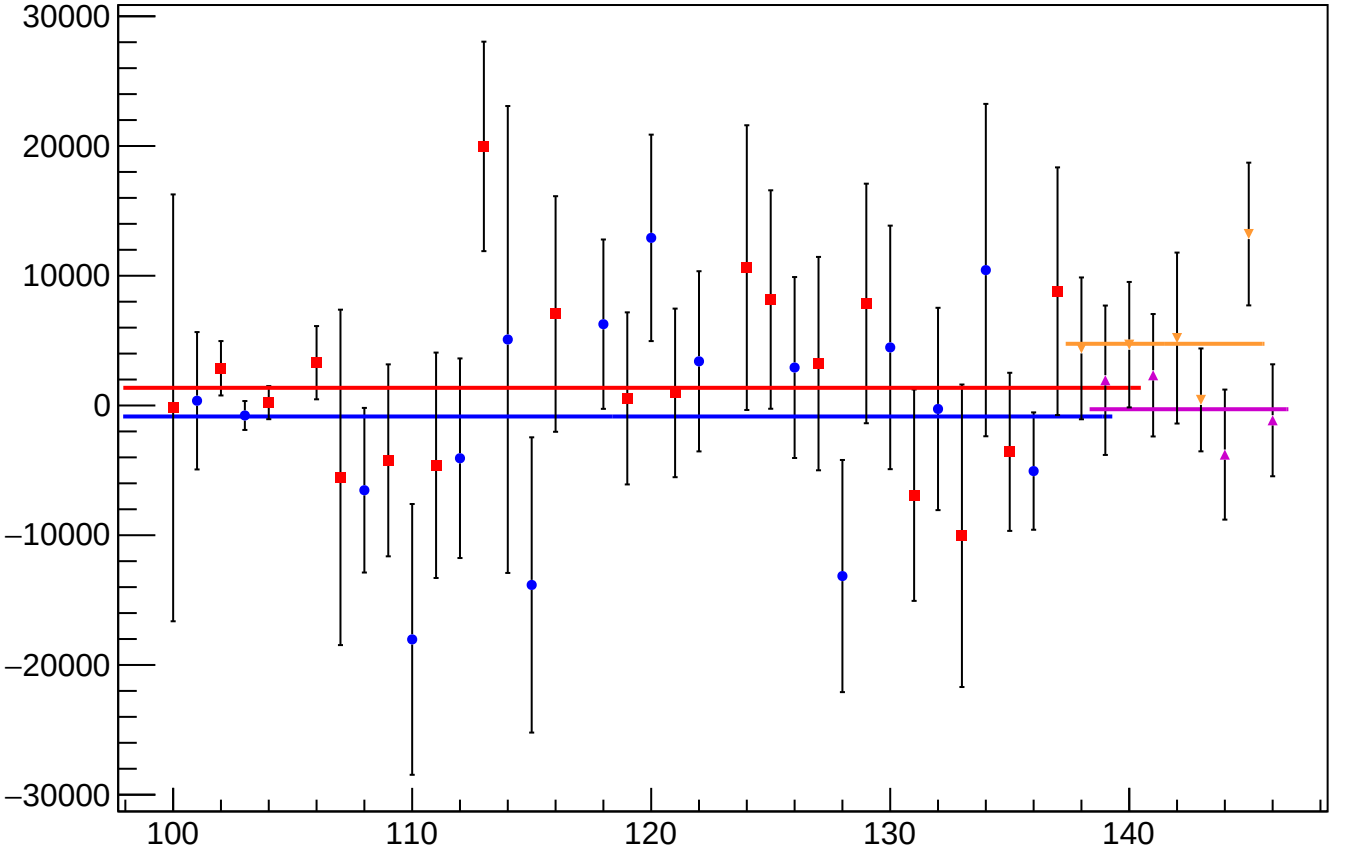
Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

+ sign 1850.243+/-0.398 χ^2/NDF: 277506.9/20

All: 1849.836+/-0.282 χ^2/NDF: 667669.4/43

- sign 1849.426+/-0.400 χ^2/NDF: 390160.3/22

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 4755.183+/-2259.047 χ^2/NDF:3.6/4

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

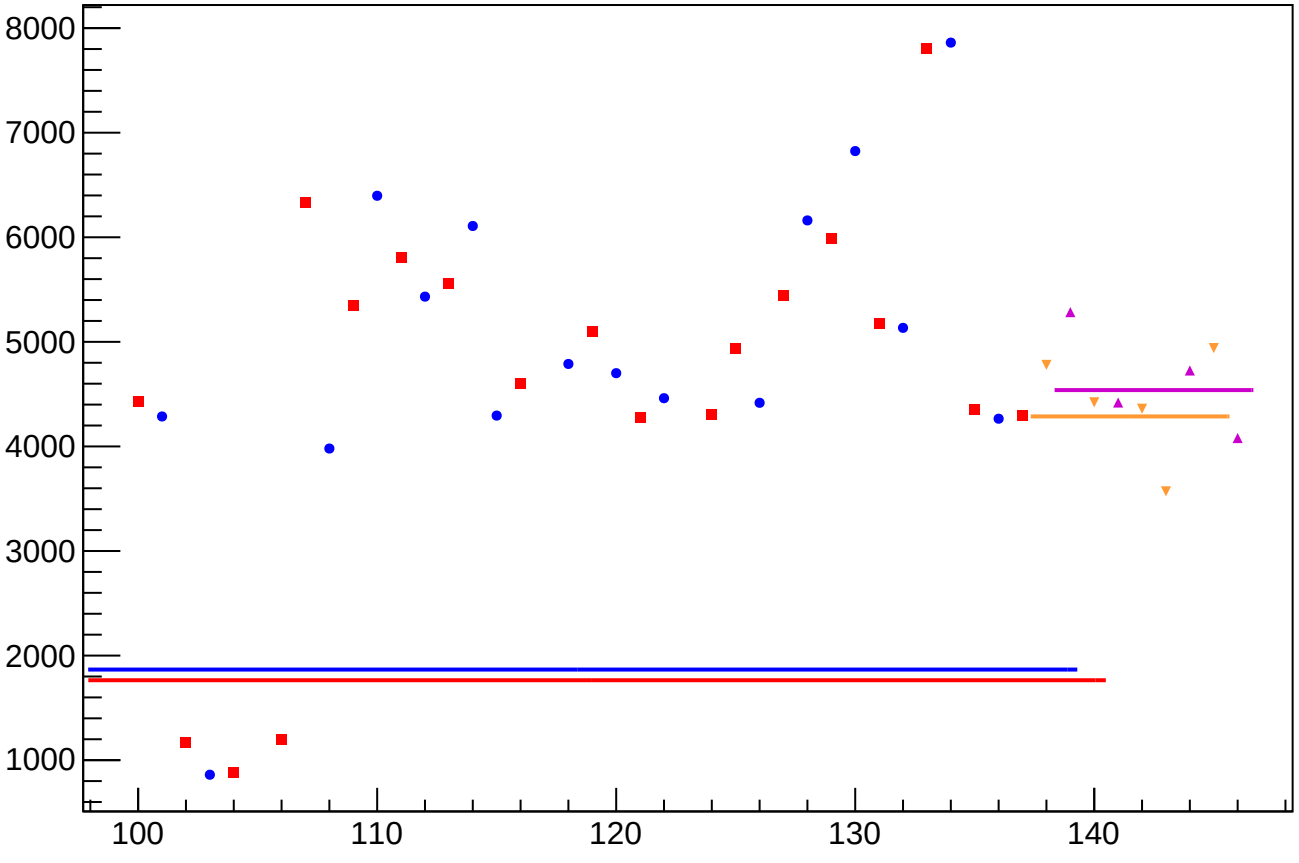
Left In: -288.346+/-2435.519 χ^2/NDF:1.0/3

+ sign 13.531+/-885.806 χ^2/NDF: 22.6/20

All: 604.006+/-616.036 χ^2/NDF: 38.9/43

- sign 1157.096+/-857.305 χ^2/NDF: 15.4/22

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4286.934+/-1.597 χ^2/NDF:111599.2/4

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

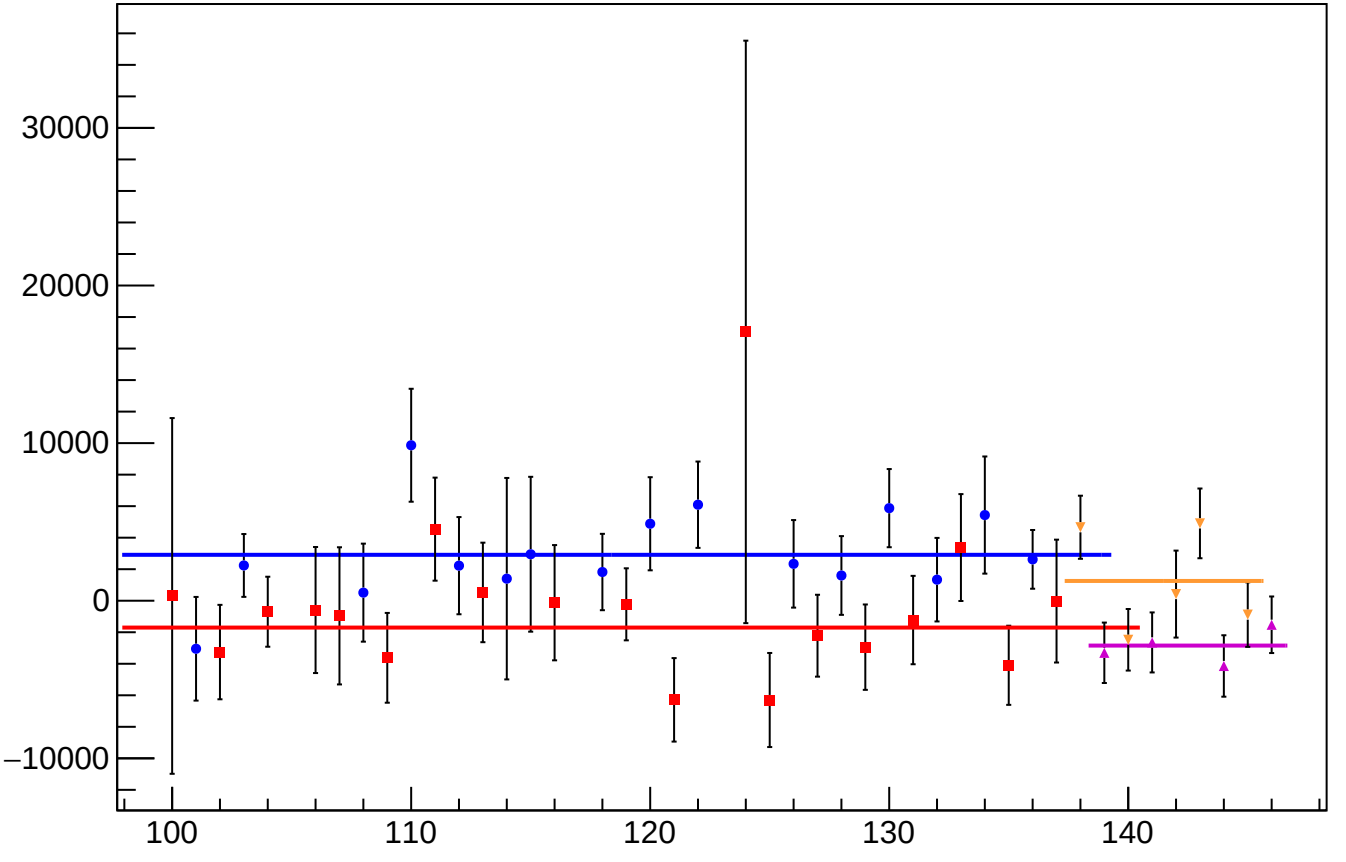
Left In: 4538.816+/-1.722 χ^2/NDF:60162.5/3

+ sign 2238.571+/-0.626 χ^2/NDF: 8904344.4/20

All: 2171.182+/-0.436 χ^2/NDF: 17695670.1/4

- sign 2108.059+/-0.606 χ^2/NDF: 8768908.0/22

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1254.504+/-959.680 χ^2/NDF:10.5/4

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

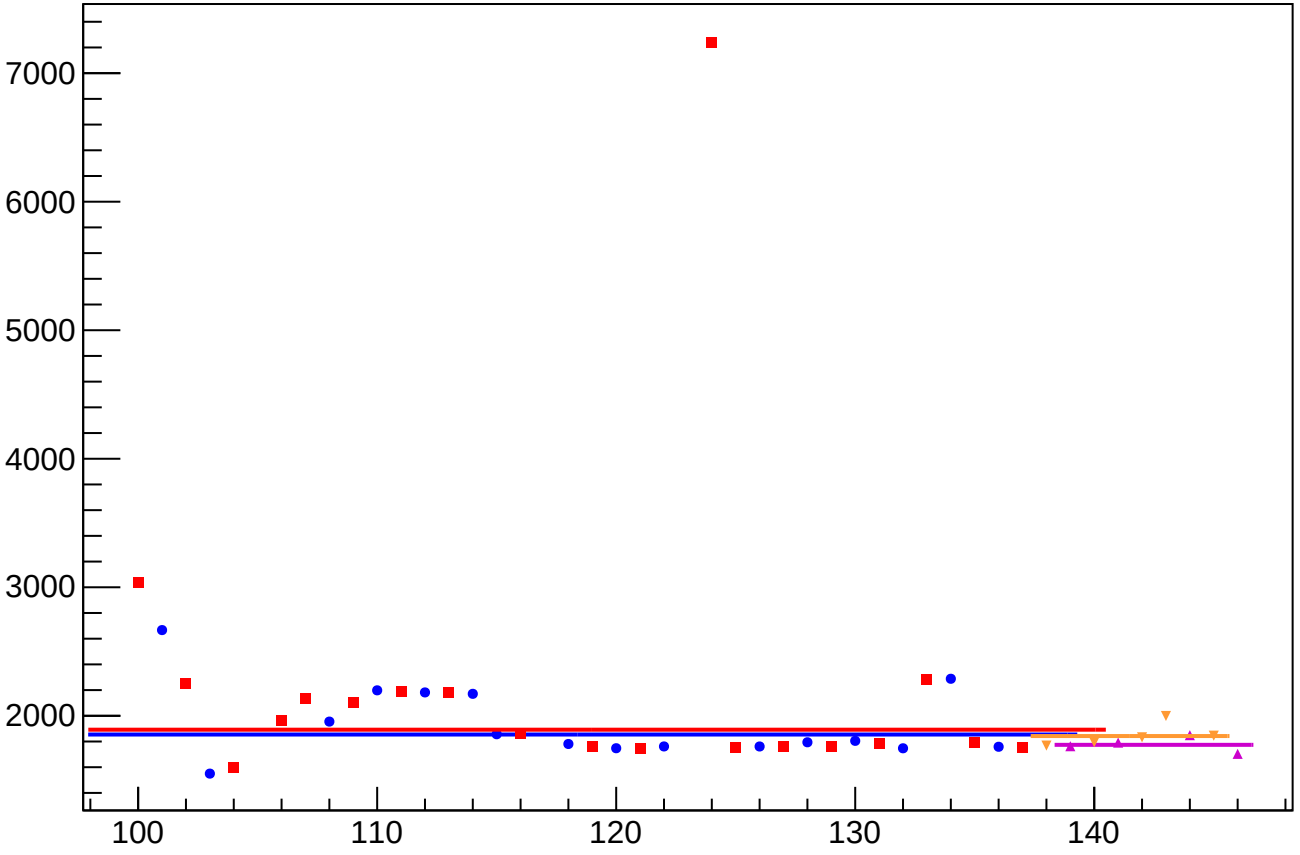
Left In: -2846.029+/-944.148 χ^2/NDF:1.1/3

+ sign 2342.417+/-562.926 χ^2/NDF: 24.9/20

All: 125.774+/-399.075 χ^2/NDF: 73.9/43

- sign -2113.885+/-565.841 χ^2/NDF: 17.8/22

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1842.484+/-0.679 χ^2/NDF:13984.9/4

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

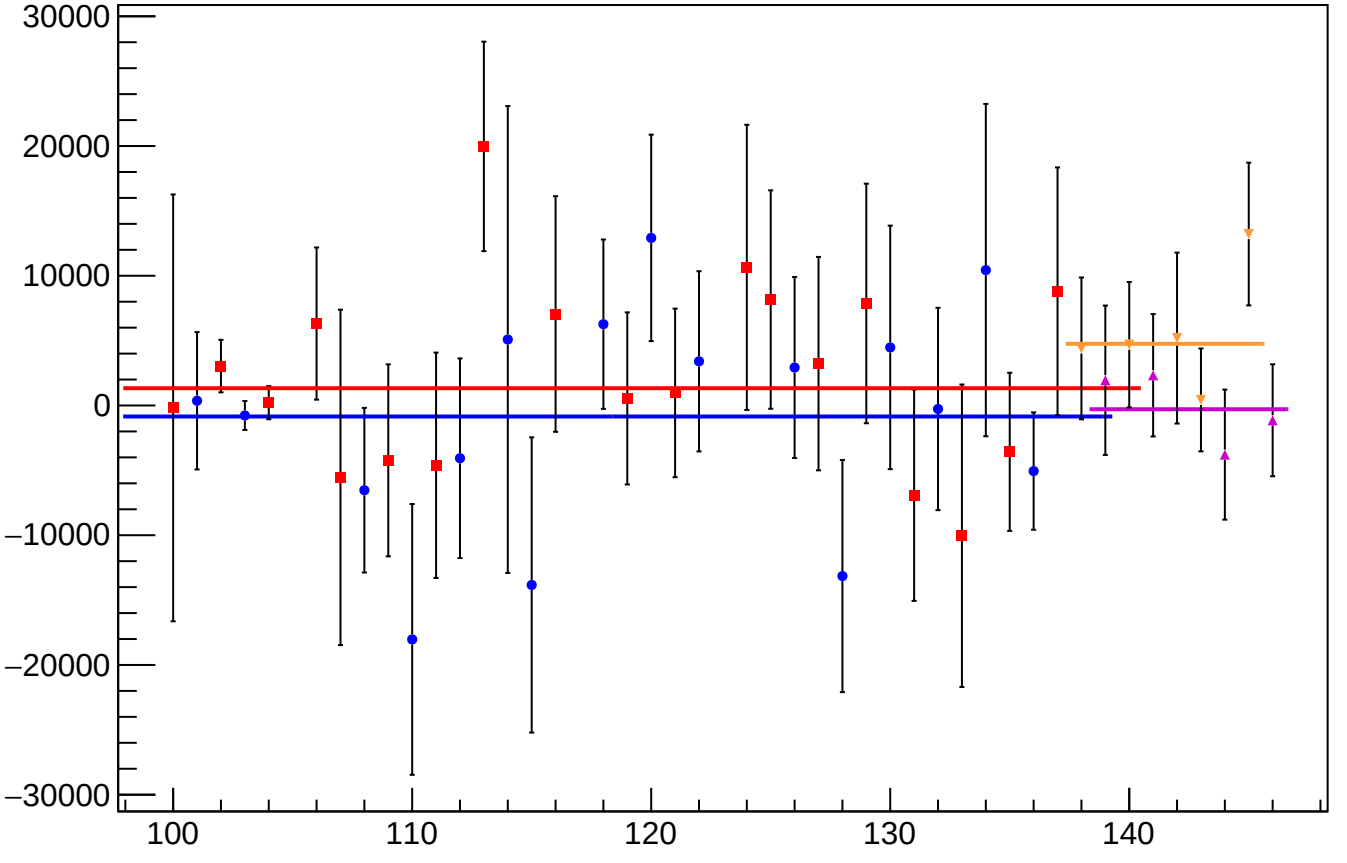
Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

+ sign 1850.244+/-0.398 χ^2/NDF: 277506.8/20

All: 1849.977+/-0.282 χ^2/NDF: 668061.6/43

- sign 1849.708+/-0.400 χ^2/NDF: 390553.9/22

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4755.108+/-2259.038 χ^2/NDF:3.6/4

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

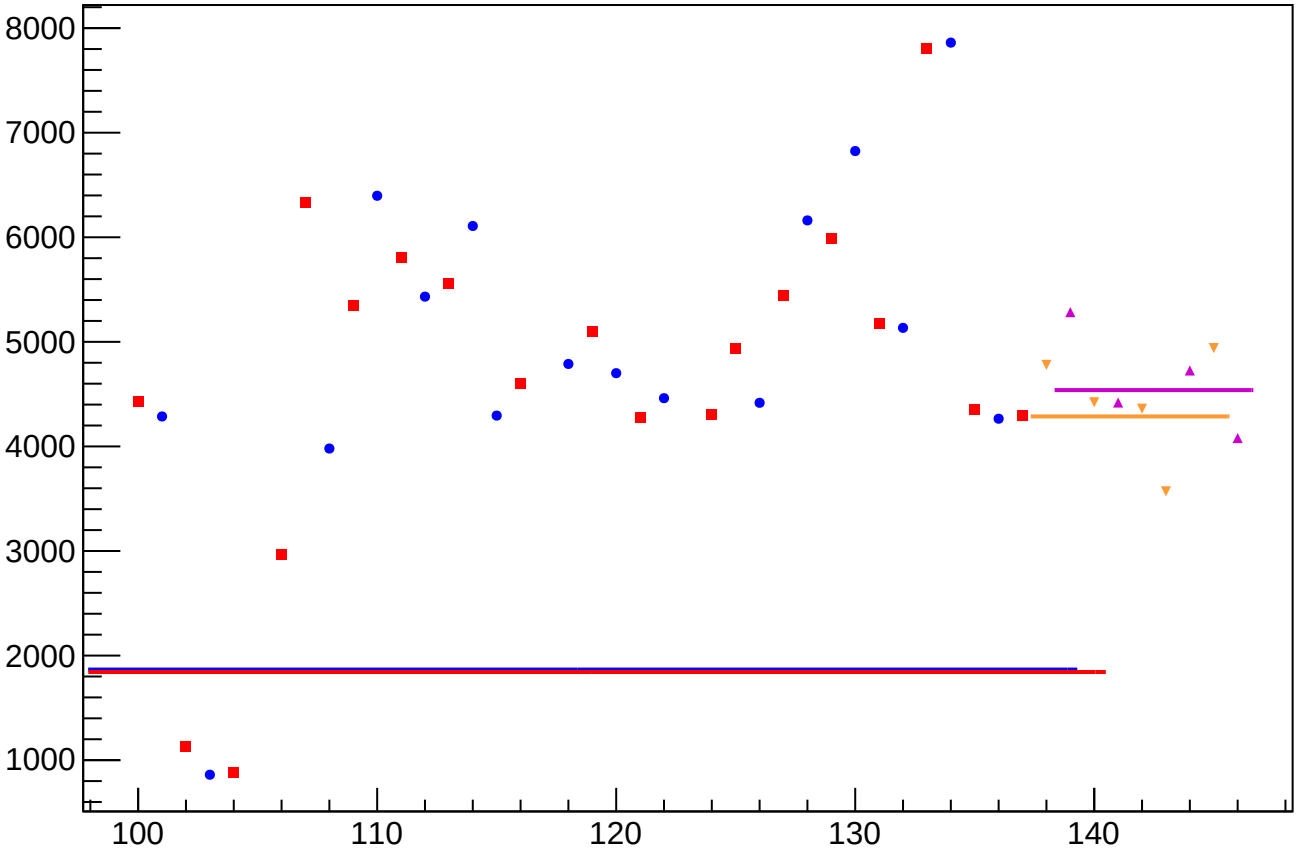
Left In: -288.449+/-2435.517 χ^2/NDF:1.0/3

\+ sign 13.845+/-885.764 χ^2/NDF: 22.6/20

All: 567.385+/-625.552 χ^2/NDF: 39.2/43

\- sign 1118.182+/-883.567 χ^2/NDF: 15.8/22

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4286.914+/-1.597 χ^2/NDF:111604.7/4

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

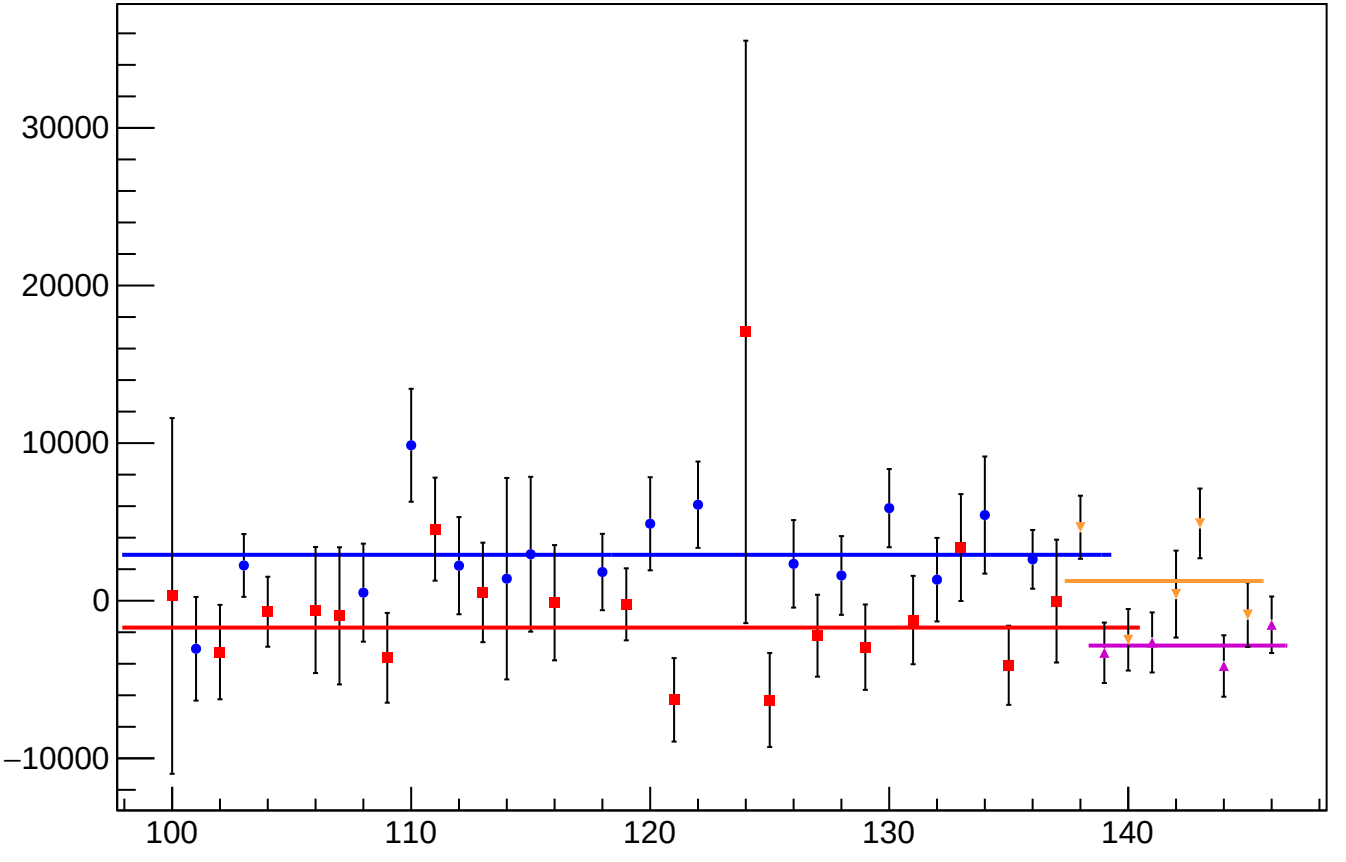
Left In: 4538.812+/-1.722 χ^2/NDF:60162.4/3

+ sign 2238.406+/-0.626 χ^2/NDF: 8905034.8/20

All: 2218.002+/-0.442 χ^2/NDF: 17553803.2/4

- sign 2197.700+/-0.625 χ^2/NDF: 8646651.3/22

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1254.504+/-959.680 χ^2/NDF:10.5/4

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

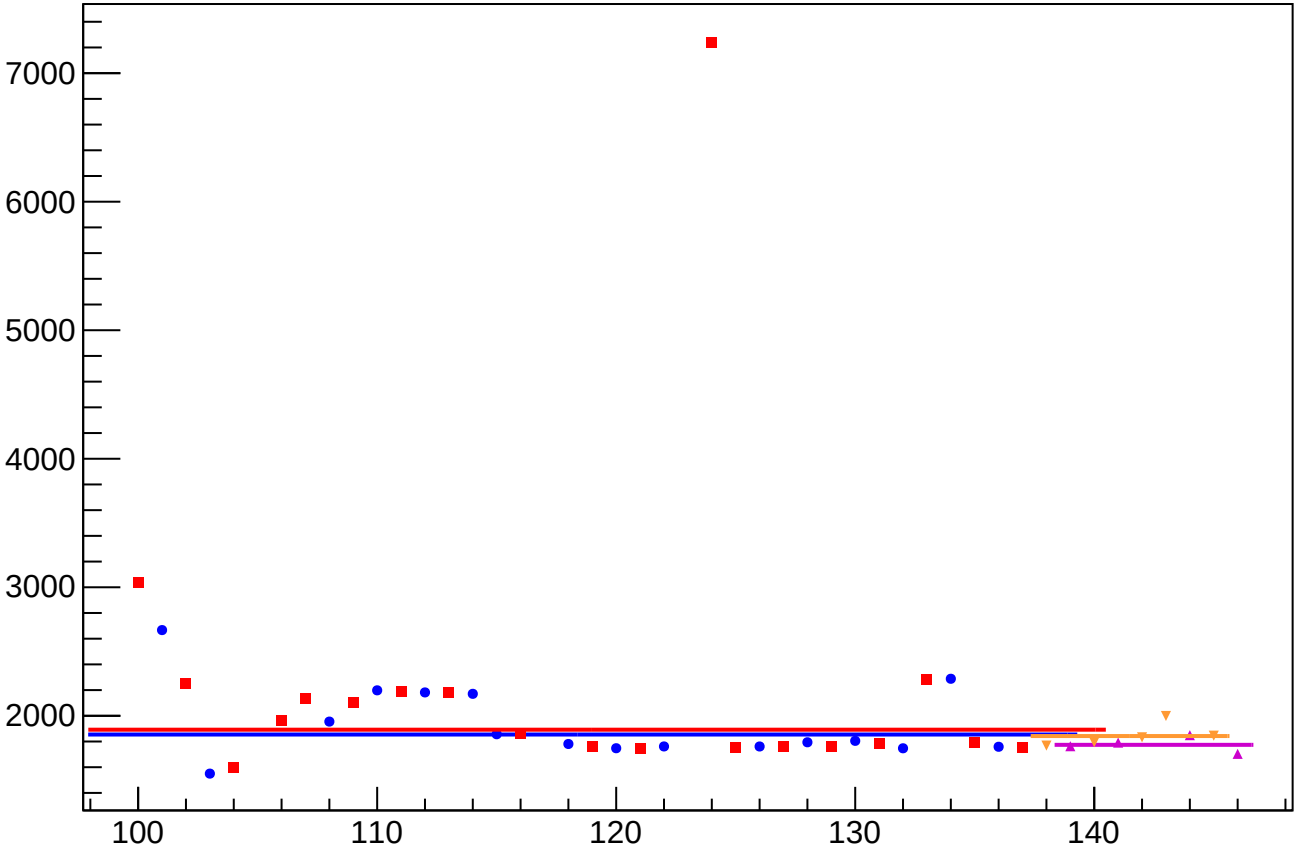
Left In: -2846.029+/-944.148 χ^2/NDF:1.1/3

+ sign 2342.417+/-562.926 χ^2/NDF: 24.9/20

All: 125.774+/-399.075 χ^2/NDF: 73.9/43

- sign -2113.885+/-565.841 χ^2/NDF: 17.8/22

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1842.484+/-0.679 χ^2/NDF:13984.9/4

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

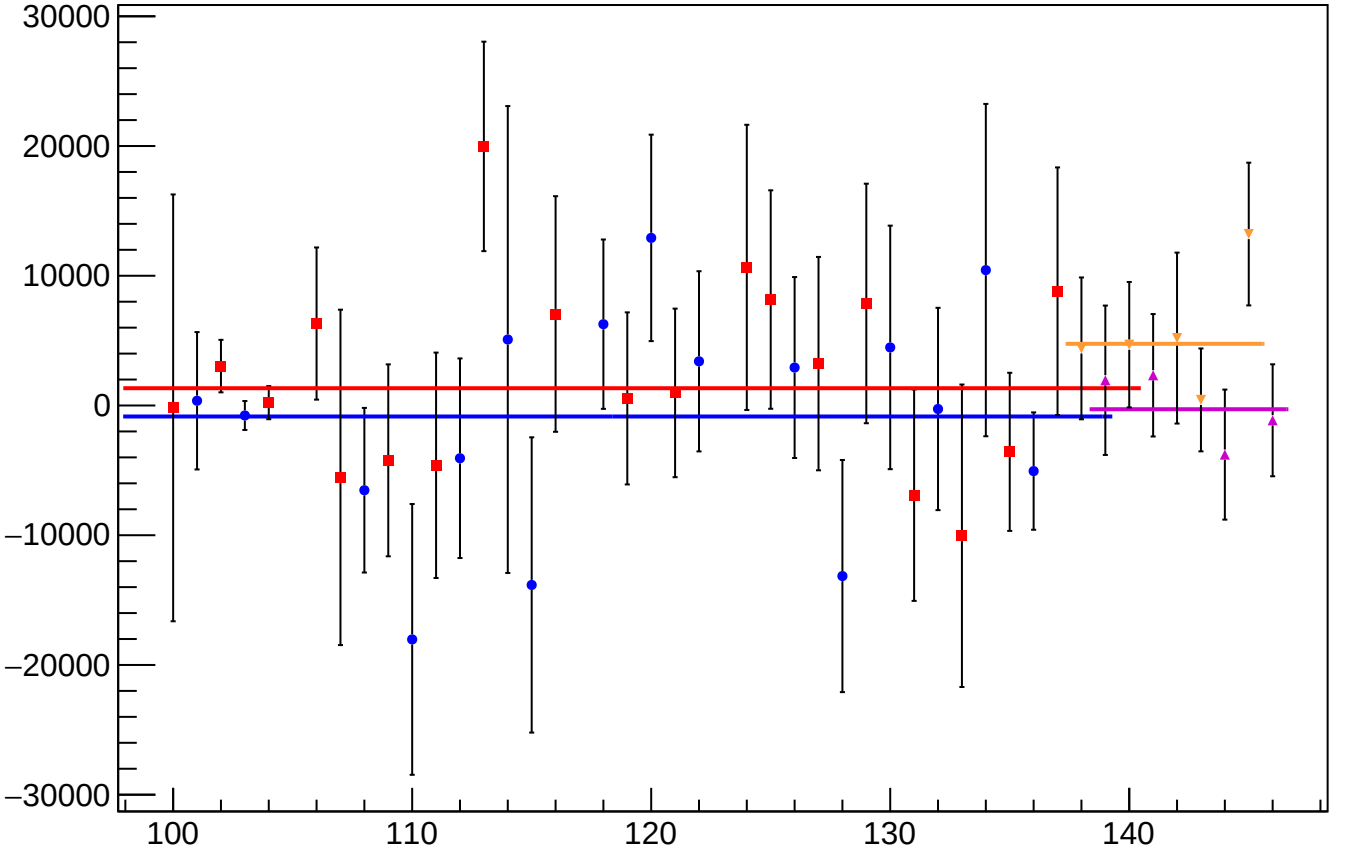
Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

+ sign 1850.244+/-0.398 χ^2/NDF: 277506.8/20

All: 1849.977+/-0.282 χ^2/NDF: 668061.6/43

- sign 1849.708+/-0.400 χ^2/NDF: 390553.9/22

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4755.108+/-2259.038 χ^2/NDF:3.6/4

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

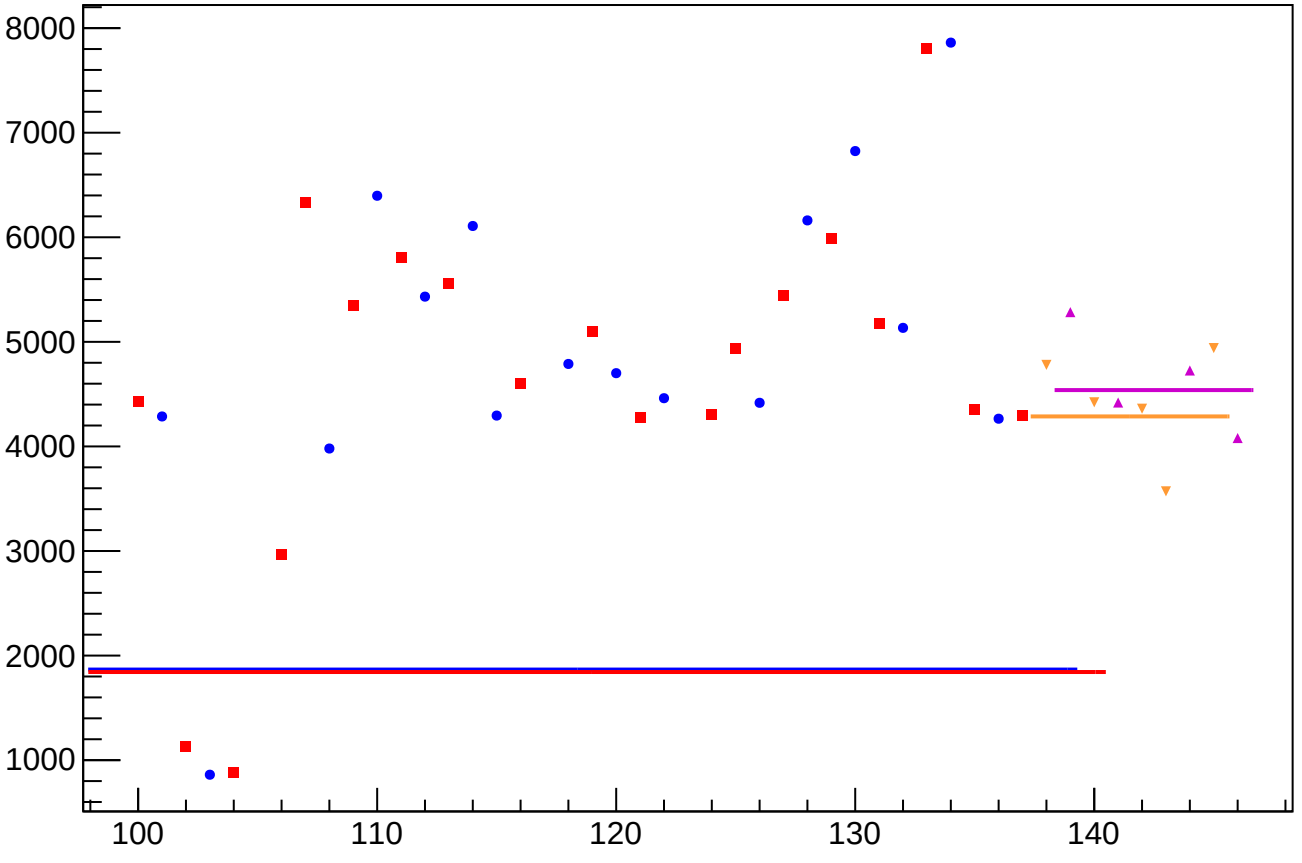
Left In: -288.449+/-2435.517 χ^2/NDF:1.0/3

\+ sign 13.845+/-885.764 χ^2/NDF: 22.6/20

All: 567.385+/-625.552 χ^2/NDF: 39.2/43

\- sign 1118.182+/-883.567 χ^2/NDF: 15.8/22

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4286.914+/-1.597 χ^2/NDF:111604.7/4

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

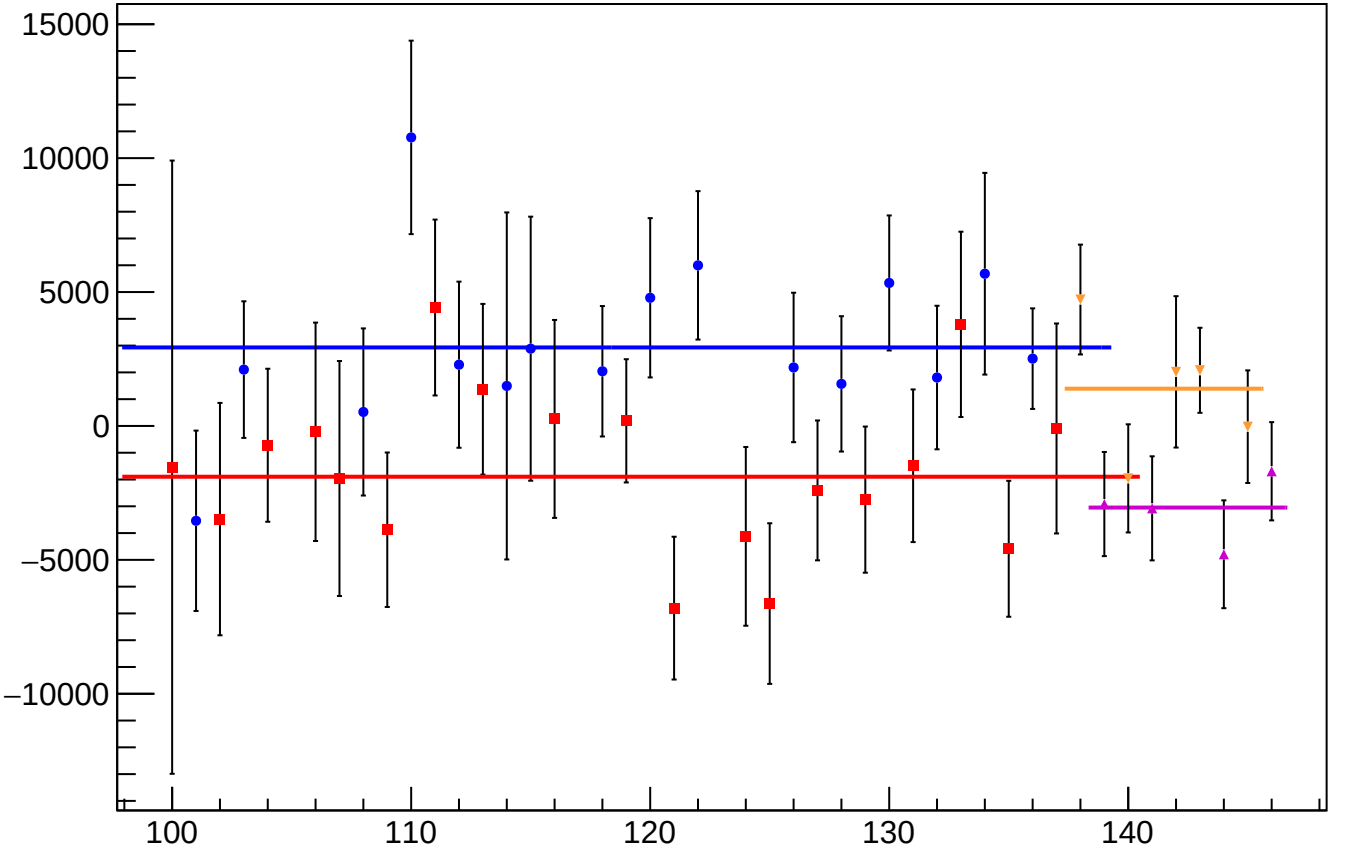
Left In: 4538.812+/-1.722 χ^2/NDF:60162.4/3

+ sign 2238.406+/-0.626 χ^2/NDF: 8905034.8/20

All: 2218.002+/-0.442 χ^2/NDF: 17553803.2/

- sign 2197.700+/-0.625 χ^2/NDF: 8646651.3/22

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1391.804+/-901.259 χ^2/NDF:6.1/4

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

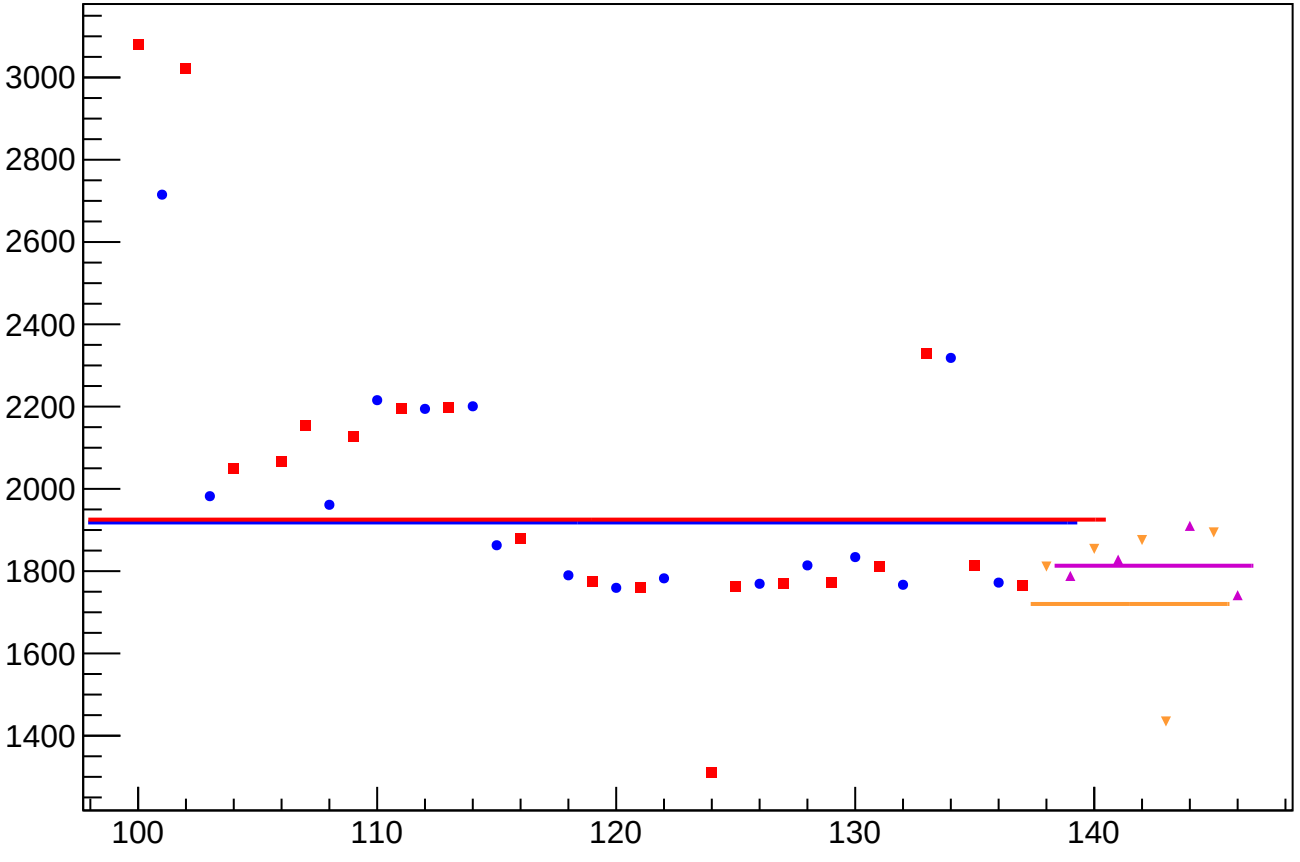
Left In: -3047.597+/-965.176 χ^2/NDF:1.3/3

+ sign 2333.508+/-561.723 χ^2/NDF: 20.8/20

All: 79.089+/-402.869 χ^2/NDF: 73.6/43

- sign -2308.841+/-578.117 χ^2/NDF: 19.6/22

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.230+/-0.637 χ^2/NDF:97178.4/4

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

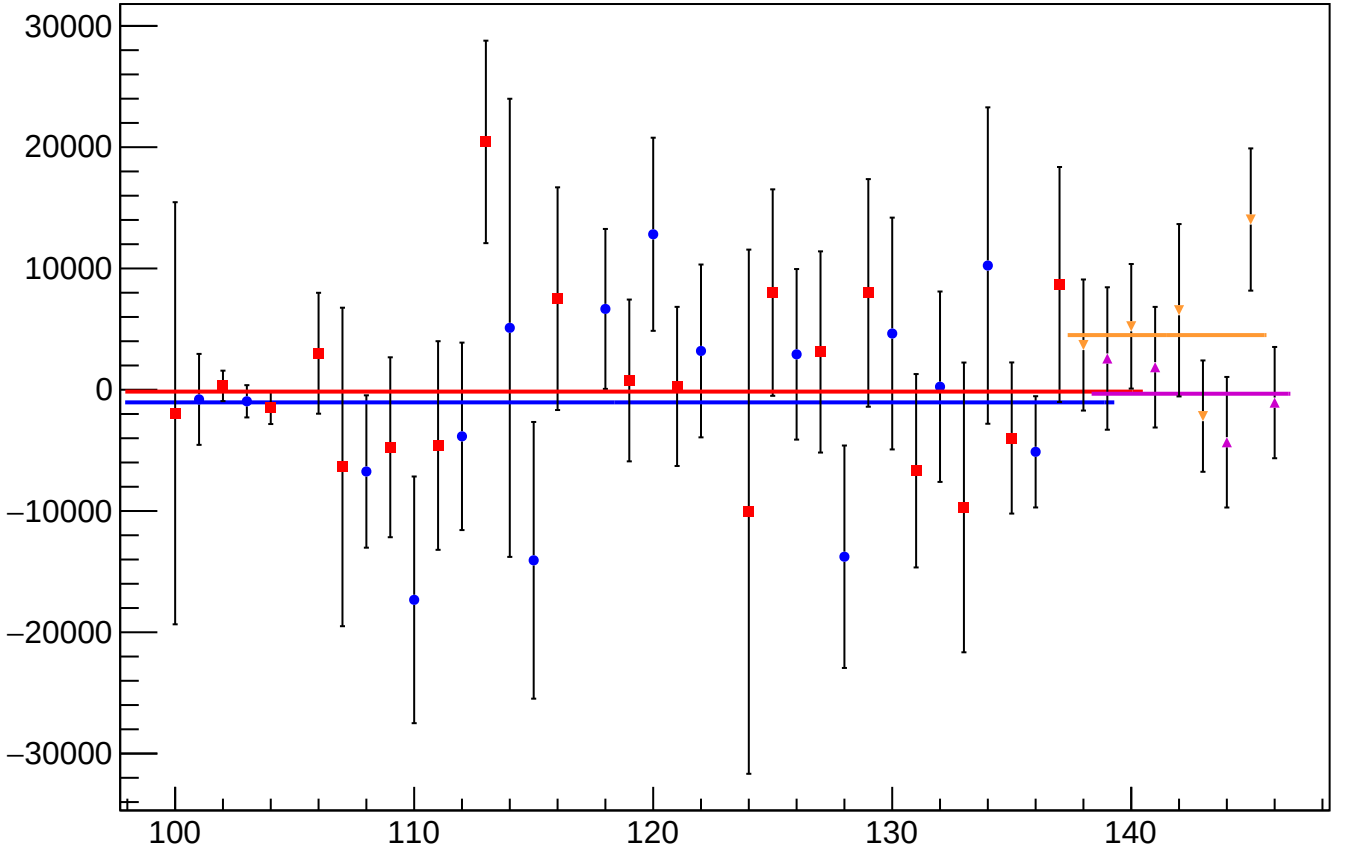
Left In: 1813.191+/-0.682 χ^2/NDF:8120.9/3

+ sign 1841.399+/-0.397 χ^2/NDF: 371885.1/20

All: 1862.630+/-0.285 χ^2/NDF: 742282.1/43

- sign 1885.095+/-0.409 χ^2/NDF: 364516.7/22

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 4506.157+/-2436.283 χ^2/NDF:4.9/4

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

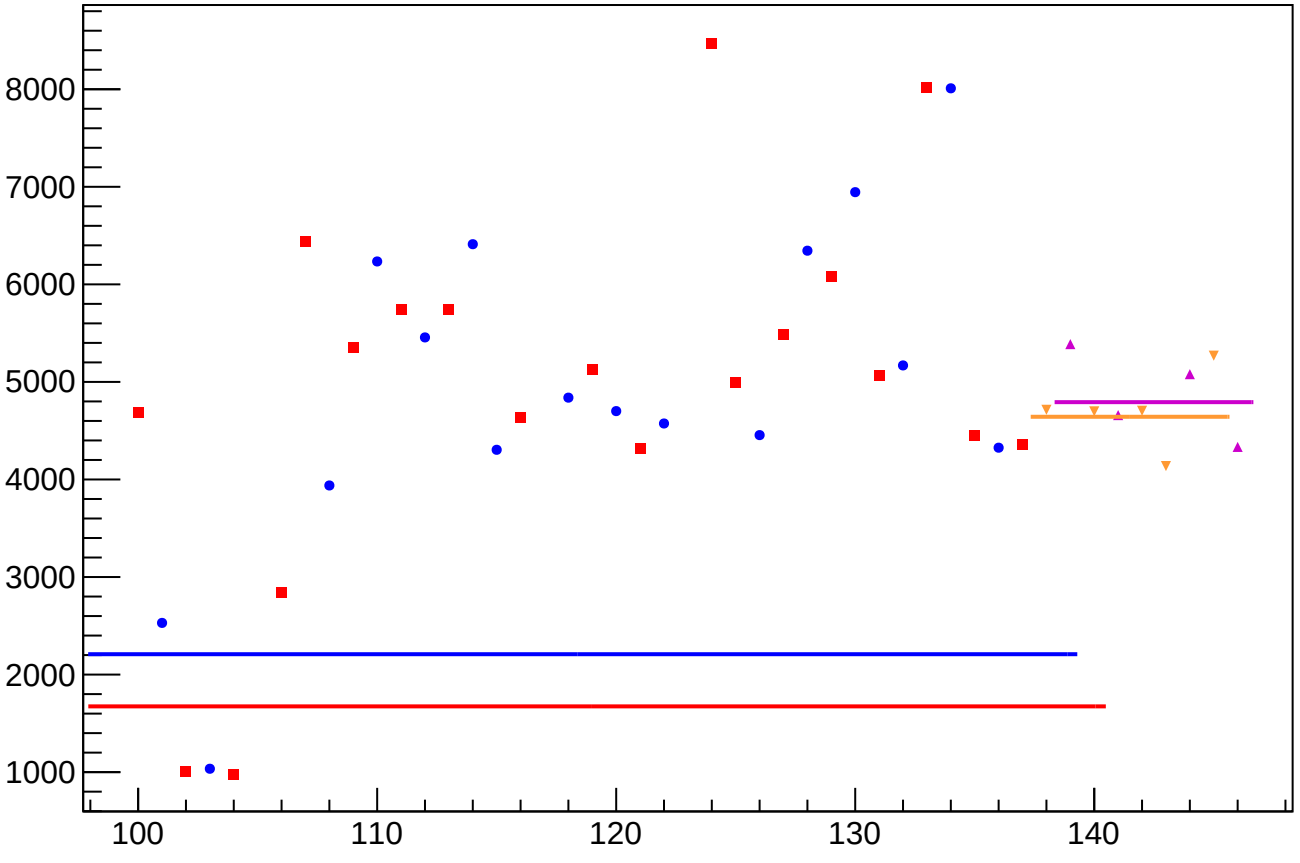
Left In: -329.968+/-2569.713 χ^2/NDF:1.0/3

\+ sign -141.399+/-981.524 χ^2/NDF: 23.1/20

All: -158.968+/-617.632 χ^2/NDF: 37.8/43

\- sign -170.485+/-794.691 χ^2/NDF: 14.7/22

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4642.751+/-1.723 χ^2/NDF:47778.6/4

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

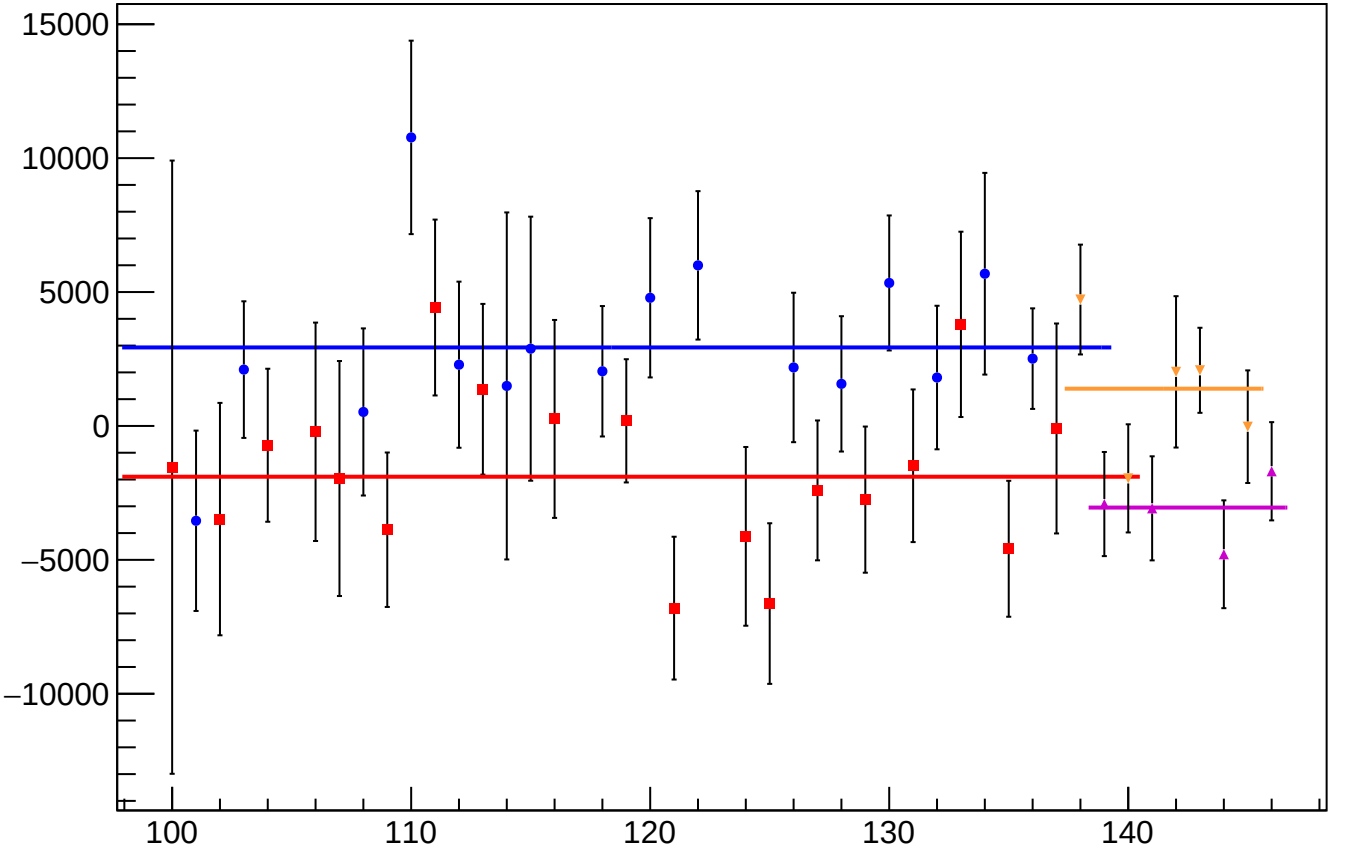
Left In: 4792.557+/-1.817 χ^2/NDF:47614.4/3

+ sign 2603.949+/-0.694 χ^2/NDF: 7218809.2/20

All: 2222.470+/-0.437 χ^2/NDF: 17283375.0/4

- sign 1972.397+/-0.562 χ^2/NDF: 9564406.9/22

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1391.807+/-901.260 χ^2/NDF:6.1/4

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

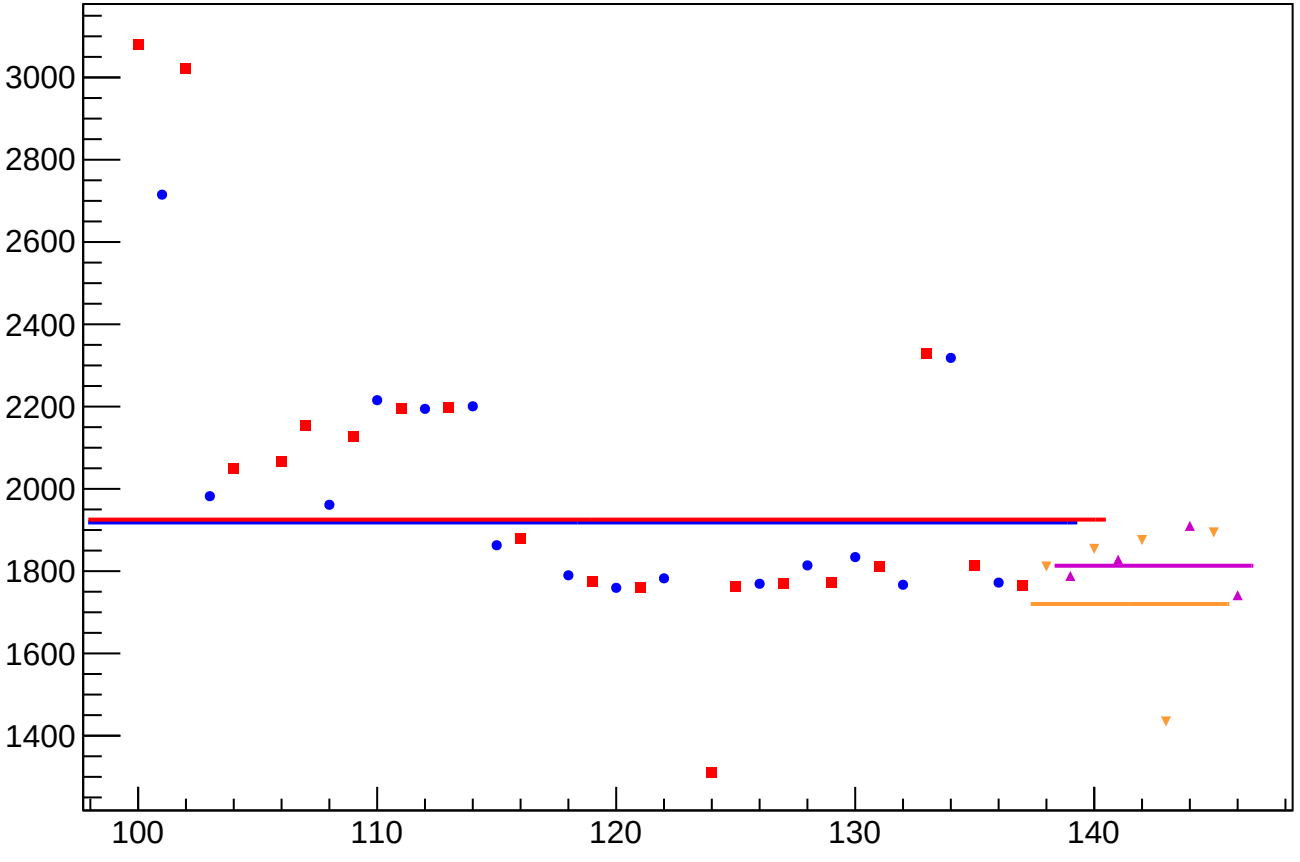
Left In: -3047.589+/-965.177 χ^2/NDF:1.3/3

+ sign 2333.512+/-561.723 χ^2/NDF: 20.8/20

All: 79.091+/-402.869 χ^2/NDF: 73.6/43

- sign -2308.842+/-578.117 χ^2/NDF: 19.6/22

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.231+/-0.637 χ^2/NDF:97177.4/4

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

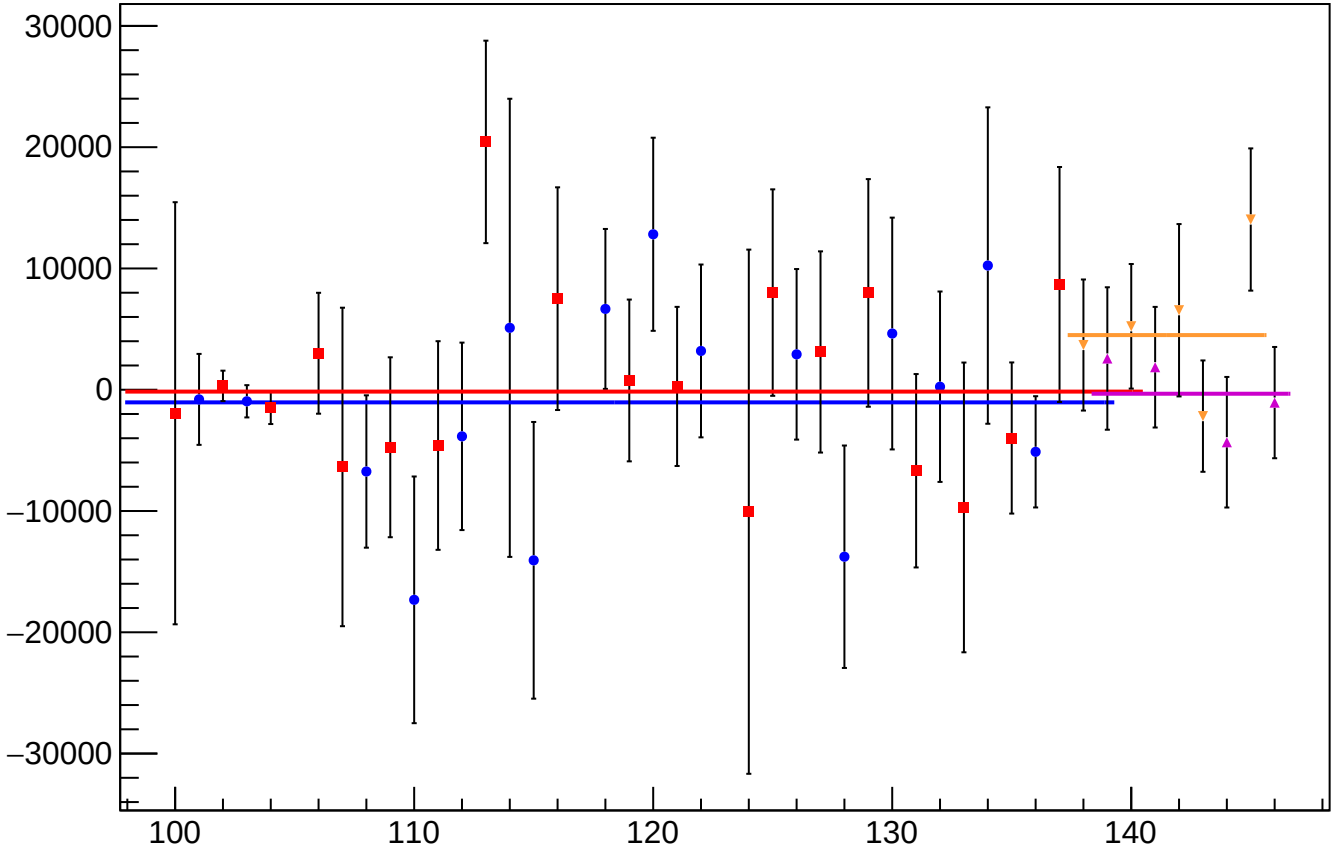
Left In: 1813.192+/-0.682 χ^2/NDF:8120.9/3

+ sign 1841.399+/-0.397 χ^2/NDF: 371883.0/20

All: 1862.630+/-0.285 χ^2/NDF: 742278.5/43

- sign 1885.095+/-0.409 χ^2/NDF: 364515.2/22

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 4506.166+/-2436.287 χ^2/NDF:4.9/4

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

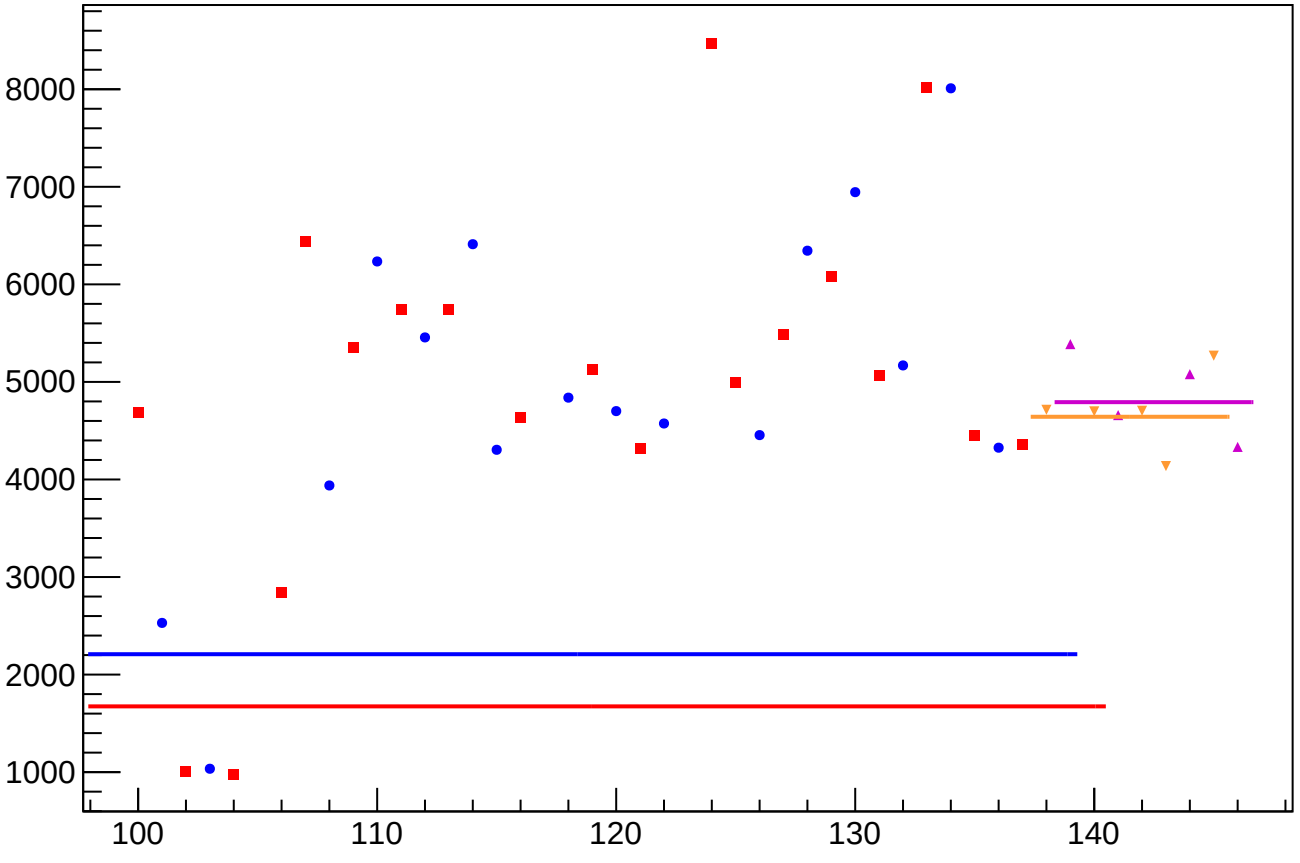
Left In: -329.957+/-2569.716 χ^2/NDF:1.0/3

\+ sign -141.400+/-981.523 χ^2/NDF: 23.1/20

All: -158.965+/-617.631 χ^2/NDF: 37.8/43

\- sign -170.479+/-794.691 χ^2/NDF: 14.7/22

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4642.757+/-1.723 χ^2/NDF:47778.4/4

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

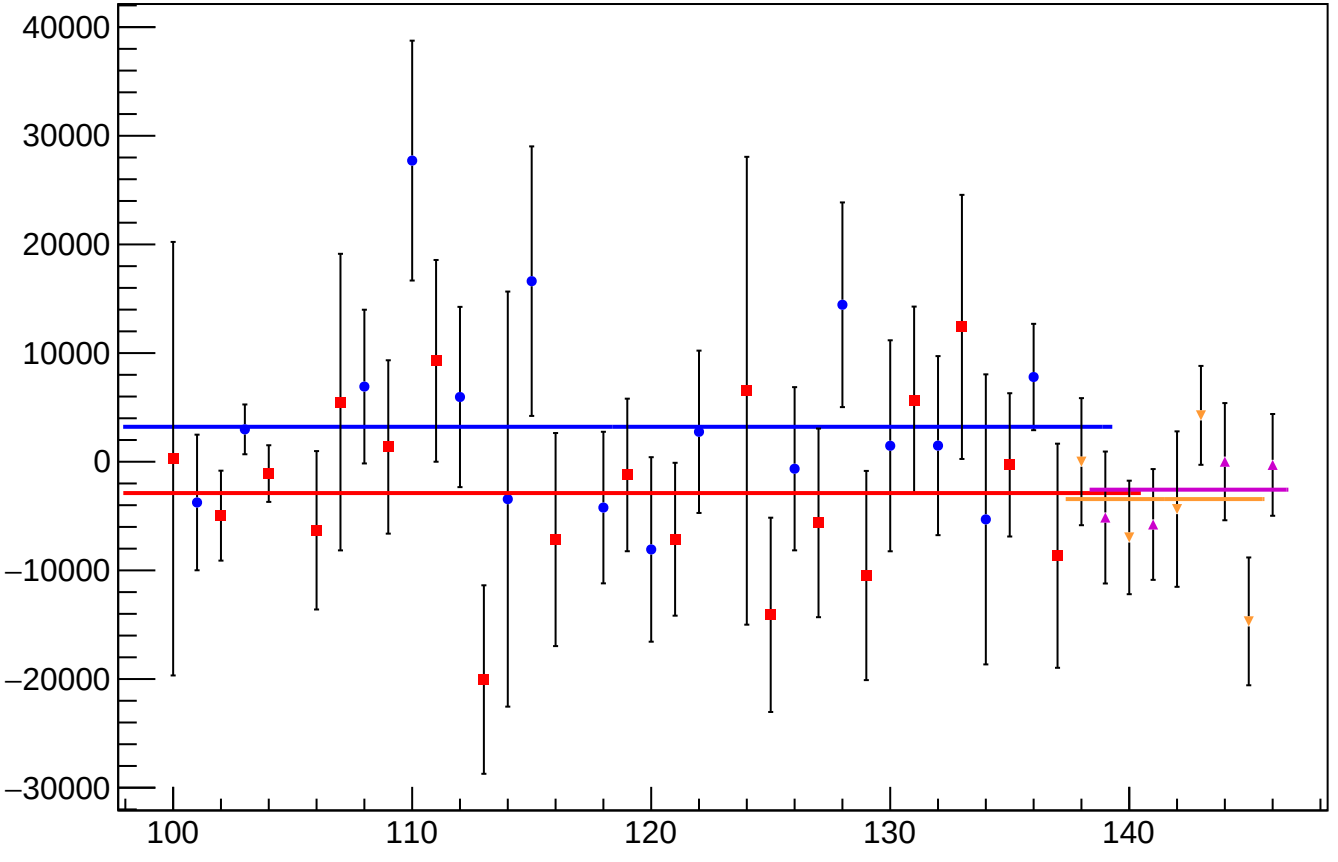
Left In: 4792.562+/-1.817 χ^2/NDF:47614.6/3

+ sign 2603.948+/-0.694 χ^2/NDF: 7218808.4/20

All: 2222.469+/-0.437 χ^2/NDF: 17283370.8/4

- sign 1972.397+/-0.562 χ^2/NDF: 9564403.5/22

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -3437.450+/-2479.871 χ^2/NDF:7.3/4

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

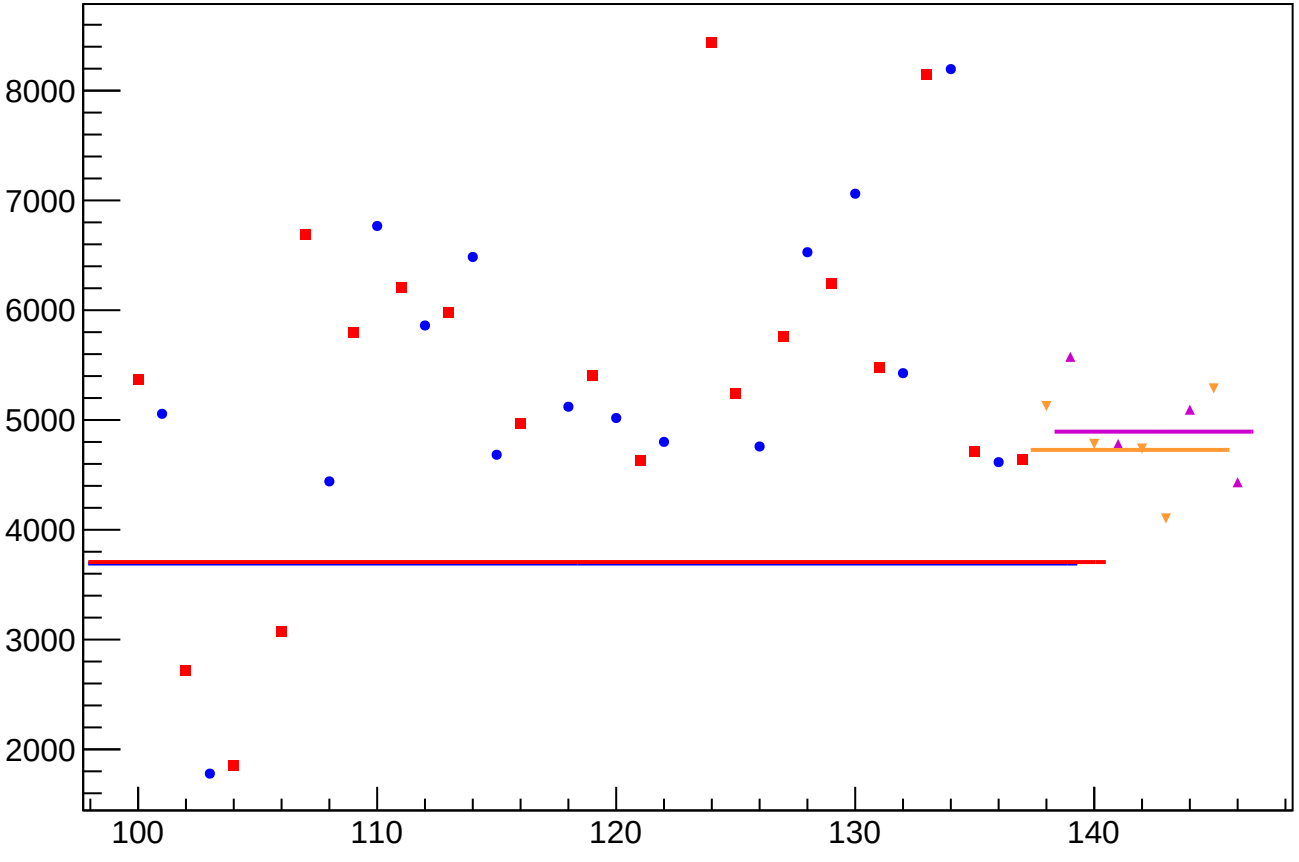
Left In: -2571.654+/-2621.034 χ^2/NDF:1.0/3

+ sign 1365.323+/-1307.811 χ^2/NDF: 26.4/20

All: -674.892+/-934.404 χ^2/NDF: 45.8/43

- sign -2802.470+/-1335.518 χ^2/NDF: 14.4/22

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4727.590+/-1.754 χ^2/NDF:65280.2/4

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

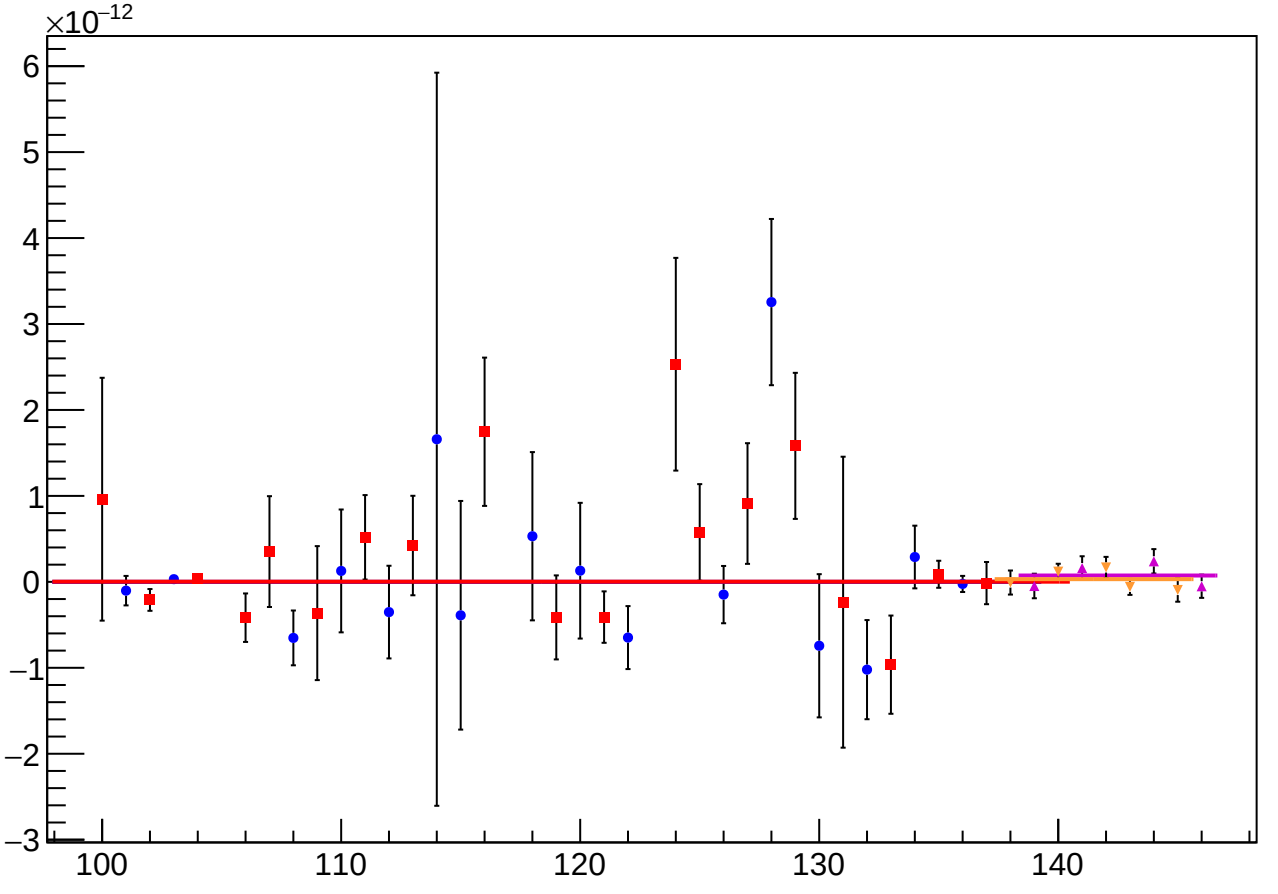
Left In: 4894.028+/-1.853 χ^2/NDF:48295.6/3

+ sign 3980.607+/-0.925 χ^2/NDF: 3202317.0/20

All: 3995.079+/-0.658 χ^2/NDF: 6241391.7/43

- sign 4009.948+/-0.937 χ^2/NDF: 3038578.2/22

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:4.0/4

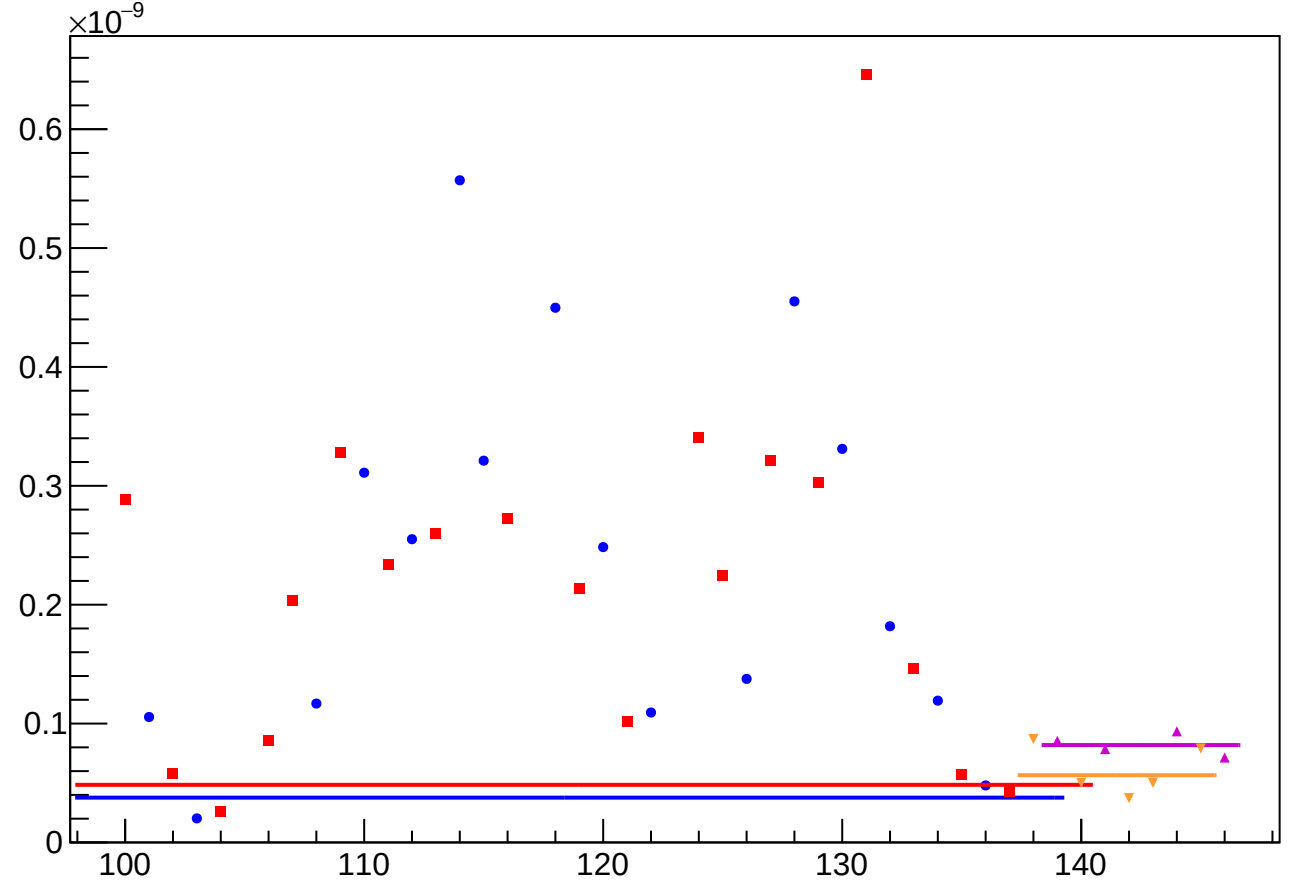
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/20

All: 0.000+/-0.000 χ^2/NDF: 62.0/43

- sign 0.000+/-0.000 χ^2/NDF: 32.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:216969.4/4

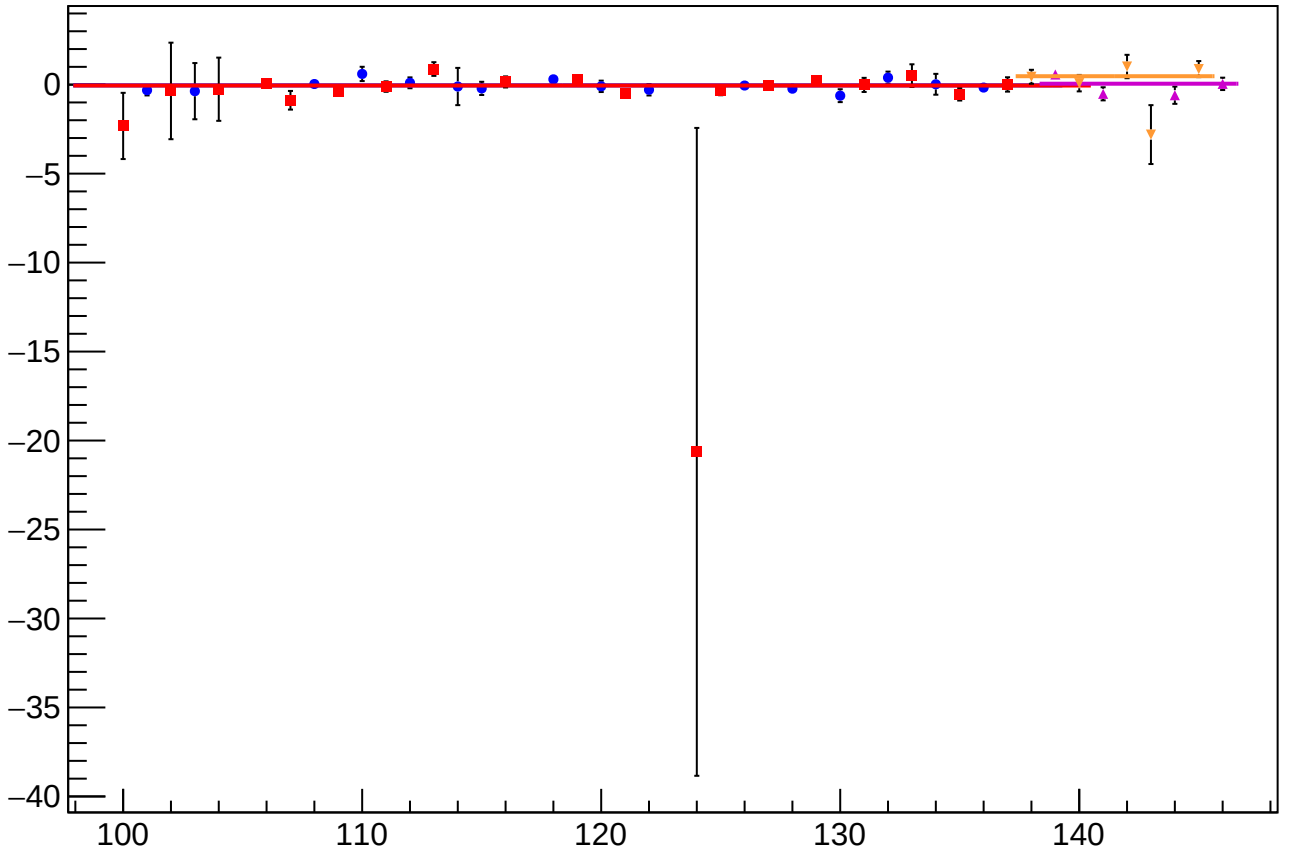
Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27720.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3545057.2/20

All: 0.000+/-0.000 χ^2/NDF: 6967178.5/43

- sign 0.000+/-0.000 χ^2/NDF: 3249470.7/22



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.474+/-0.231 χ^2/NDF:6.1/4

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

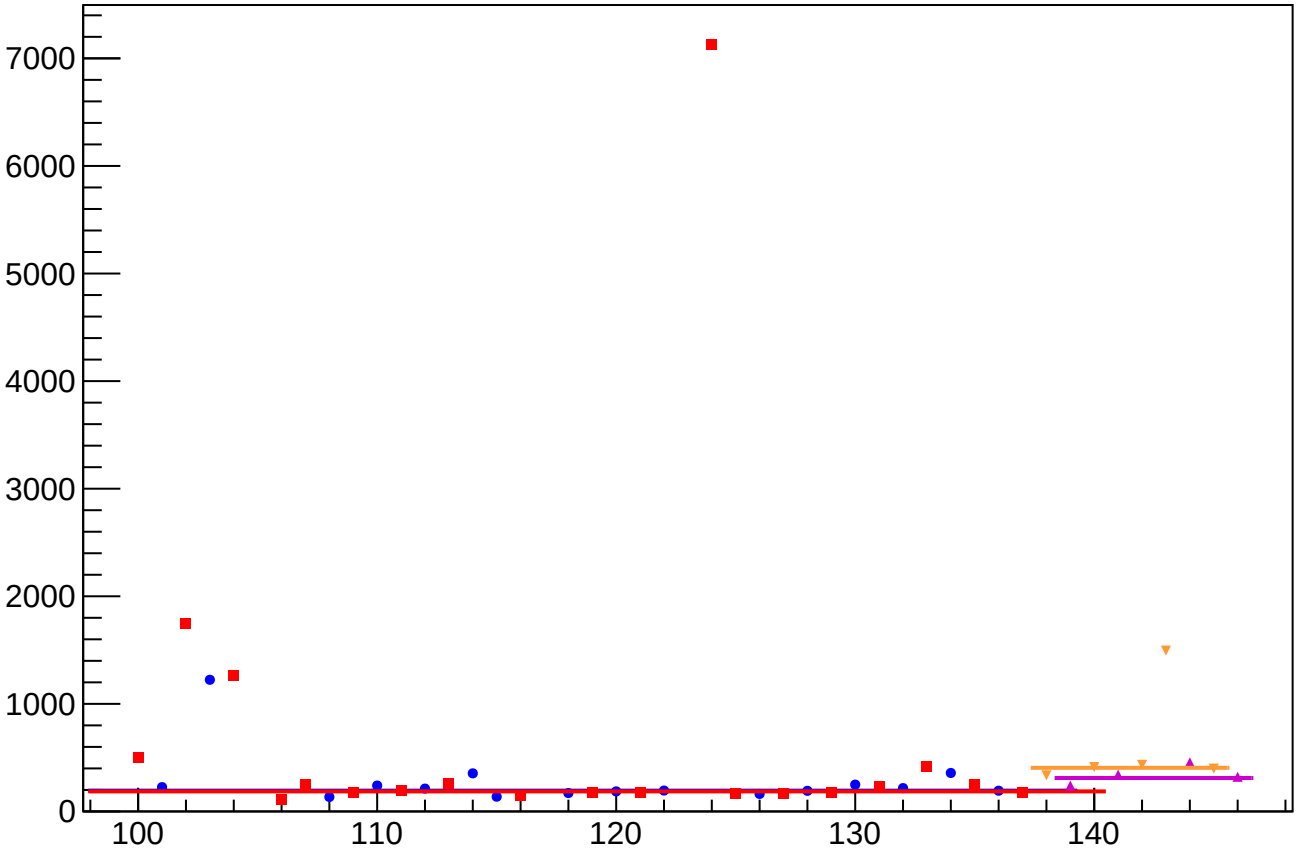
Left In: 0.052+/-0.173 χ^2/NDF:7.8/3

+ sign 0.011+/-0.074 χ^2/NDF: 22.3/20

All: -0.011+/-0.051 χ^2/NDF: 53.6/43

- sign -0.032+/-0.072 χ^2/NDF: 31.1/22

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 405.737+/-0.163 χ^2/NDF:934824.2/4

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

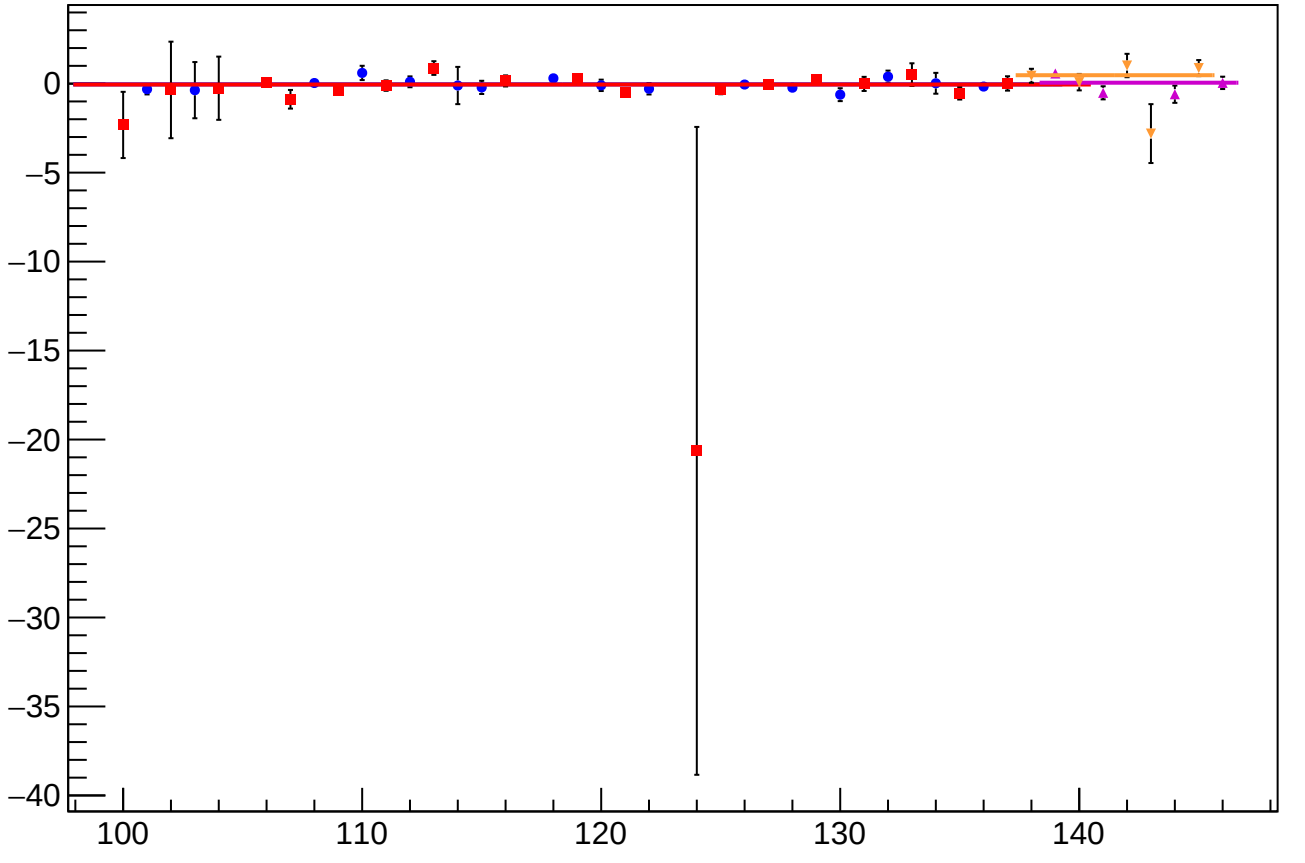
Left In: 311.068+/-0.122 χ^2/NDF:328288.0/3

+ sign 214.907+/-0.052 χ^2/NDF: 3865707.2/20

All: 211.249+/-0.036 χ^2/NDF: 7542557.4/43

- sign 207.784+/-0.051 χ^2/NDF: 3667251.2/22

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.474+/-0.231 χ^2/NDF:6.1/4

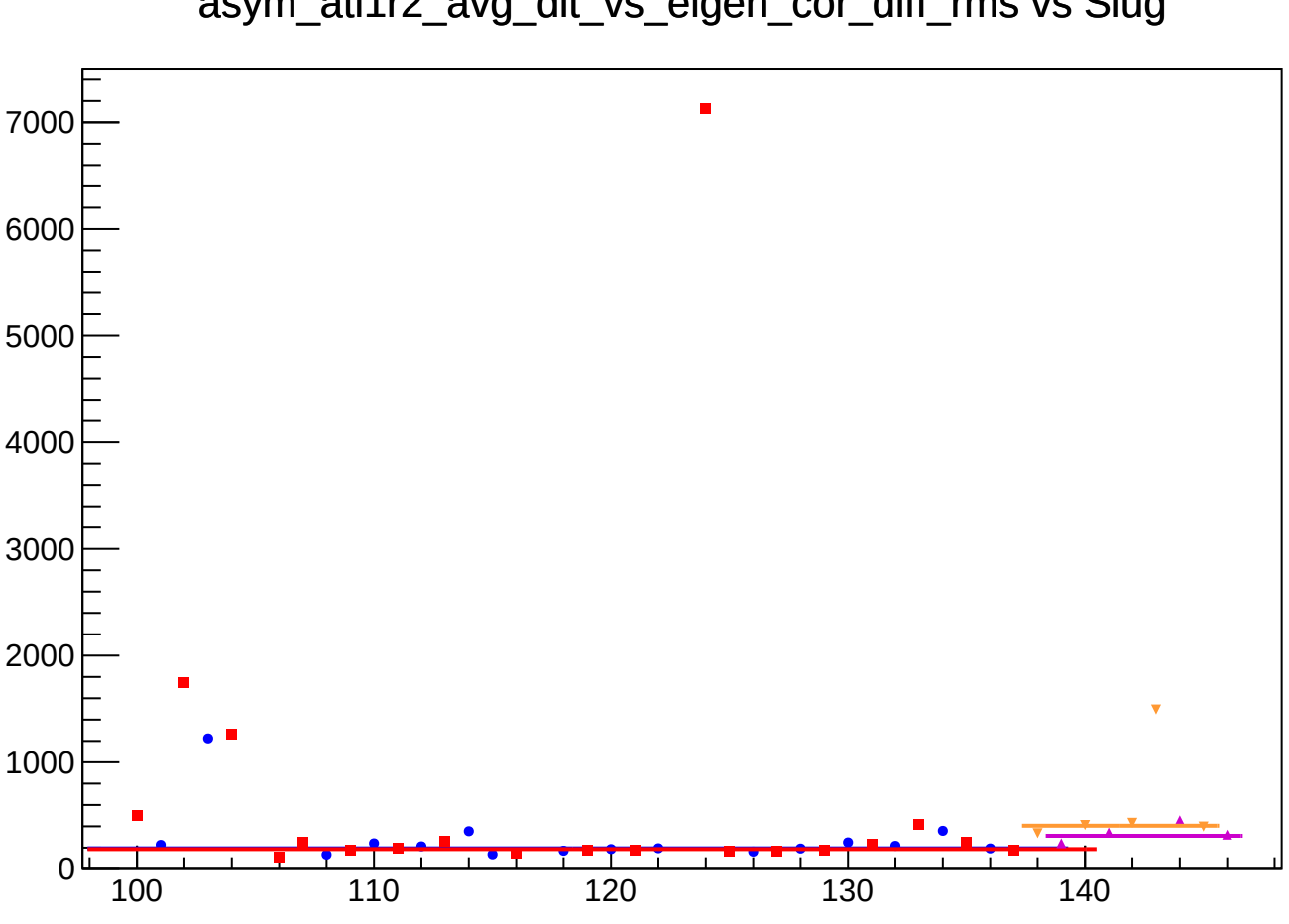
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.052+/-0.173 χ^2/NDF:7.8/3

+ sign 0.011+/-0.074 χ^2/NDF: 22.3/20

All: -0.011+/-0.051 χ^2/NDF: 53.6/43

- sign -0.032+/-0.072 χ^2/NDF: 31.1/22



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 405.737+/-0.163 χ^2/NDF:934824.2/4

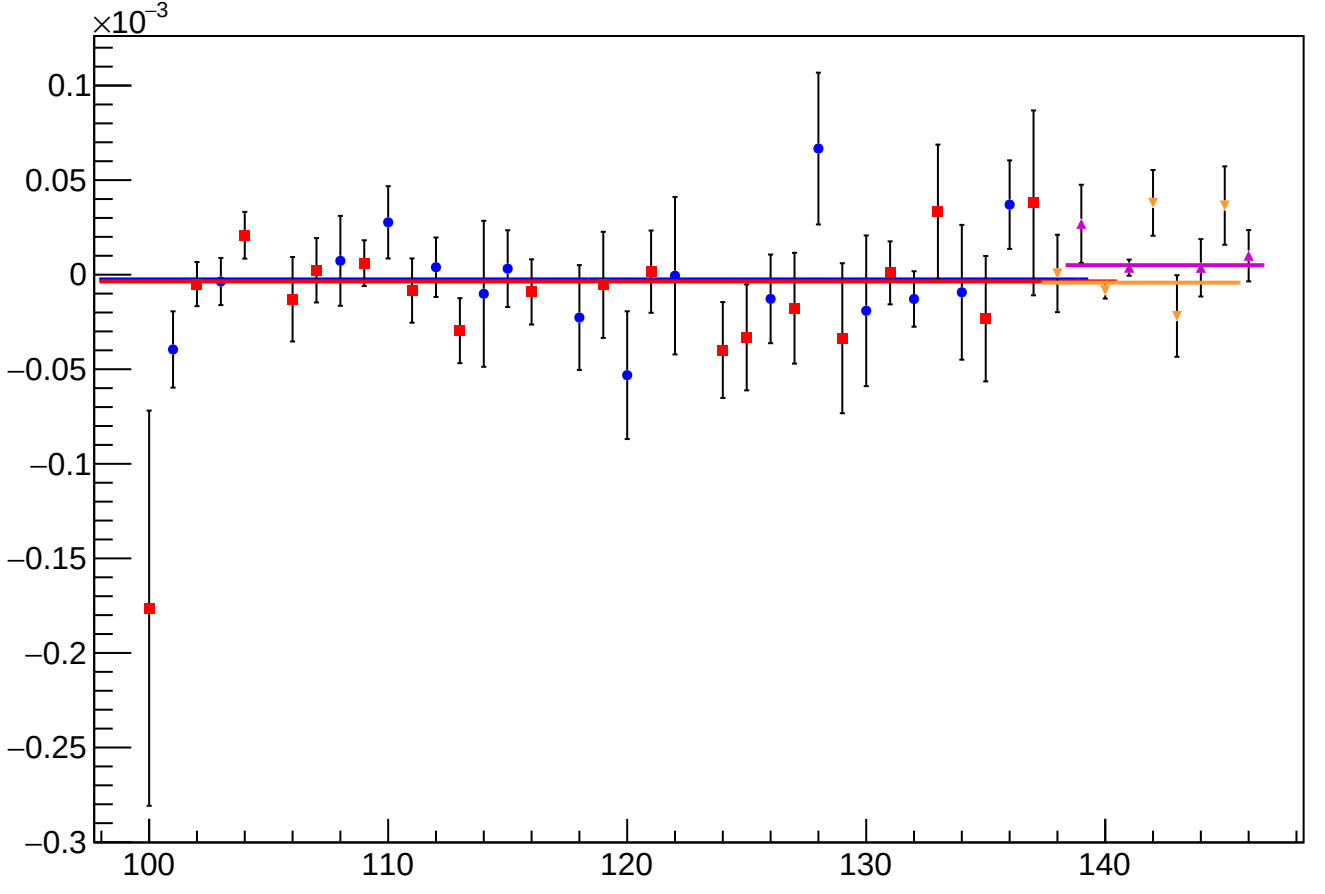
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 311.068+/-0.122 χ^2/NDF:328288.0/3

+ sign 214.907+/-0.052 χ^2/NDF: 3865707.2/20

All: 211.249+/-0.036 χ^2/NDF: 7542557.4/43

- sign 207.784+/-0.051 χ^2/NDF: 3667251.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

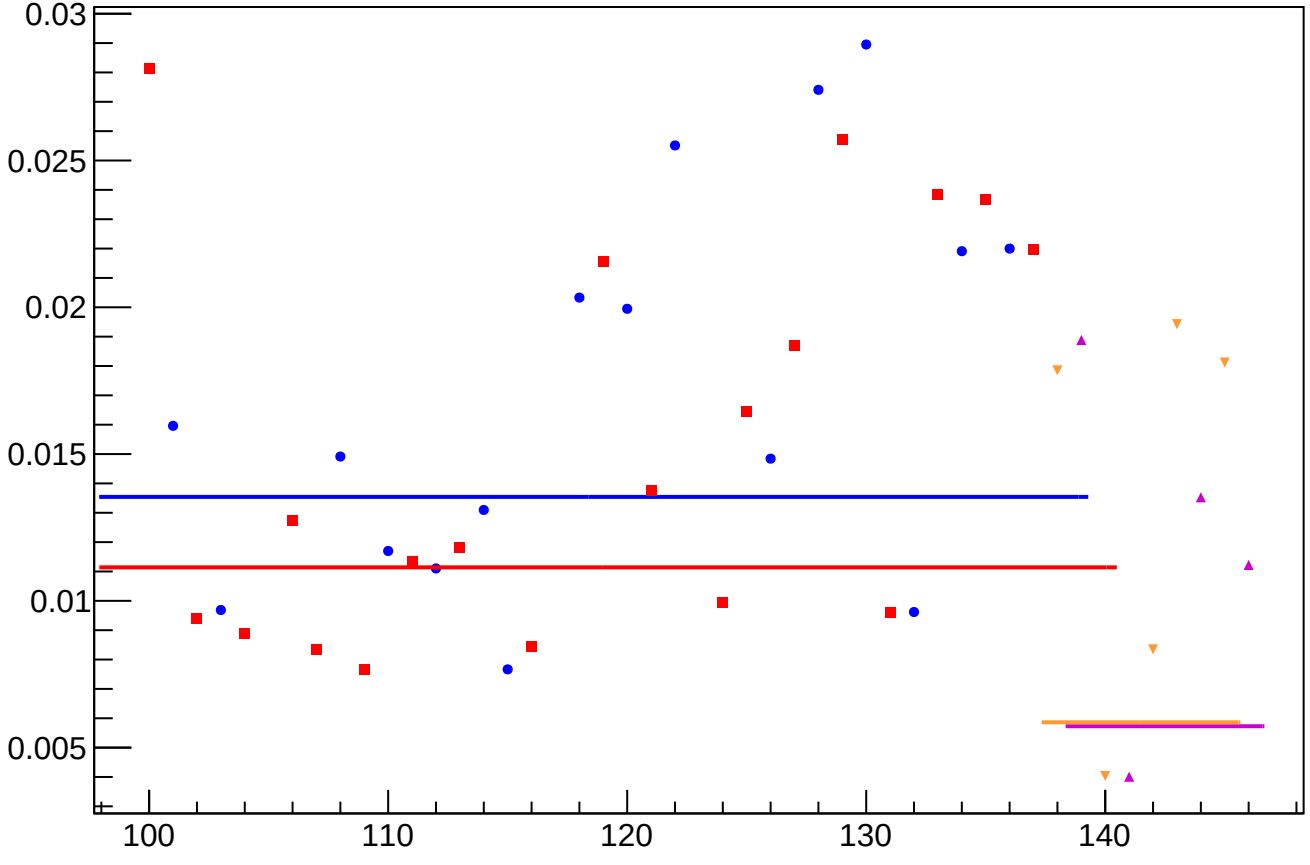
Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.2/20

All: -0.000+/-0.000 χ^2/NDF: 48.3/43

- sign 0.000+/-0.000 χ^2/NDF: 19.8/22

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:2563176.7/4

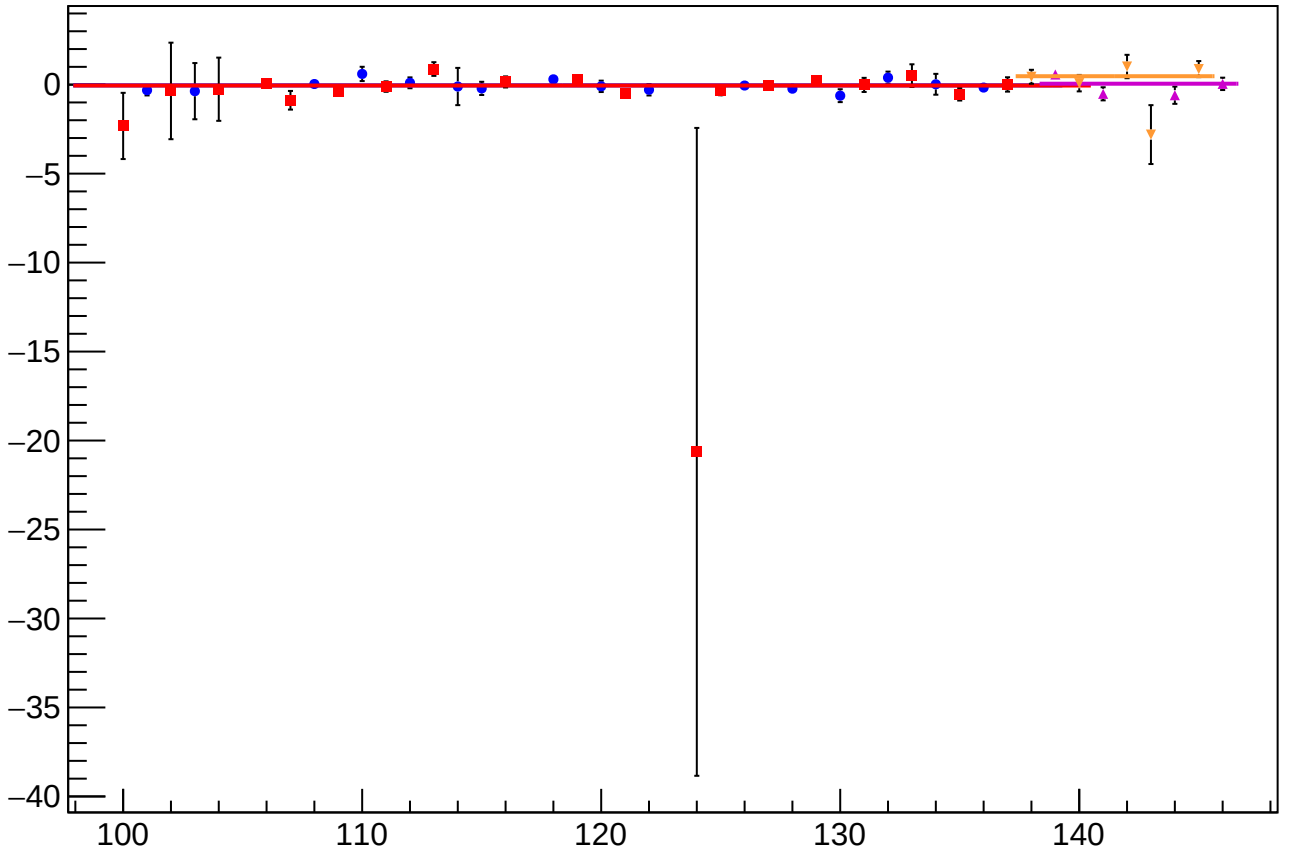
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:1990624.2/3

+ sign 0.009+/-0.000 χ^2/NDF: 7009877.3/20

All: 0.008+/-0.000 χ^2/NDF: 12598561.6/43

- sign 0.008+/-0.000 χ^2/NDF: 5560058.7/22



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.474+/-0.231 χ^2/NDF:6.1/4

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

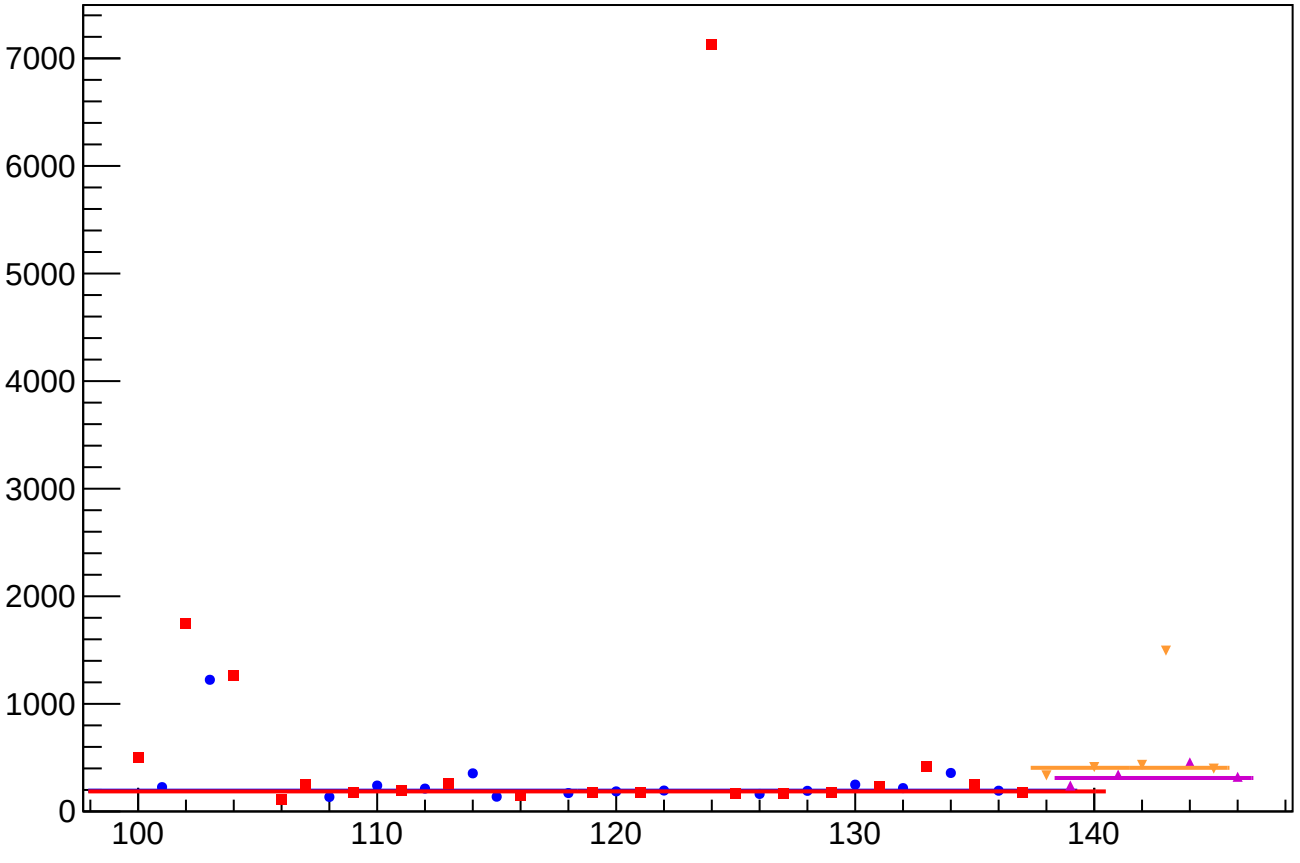
Left In: 0.052+/-0.173 χ^2/NDF:7.8/3

+ sign 0.011+/-0.074 χ^2/NDF: 22.3/20

All: -0.011+/-0.051 χ^2/NDF: 53.6/43

- sign -0.032+/-0.072 χ^2/NDF: 31.1/22

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: 405.739+/-0.163 χ^2/NDF:934814.0/4

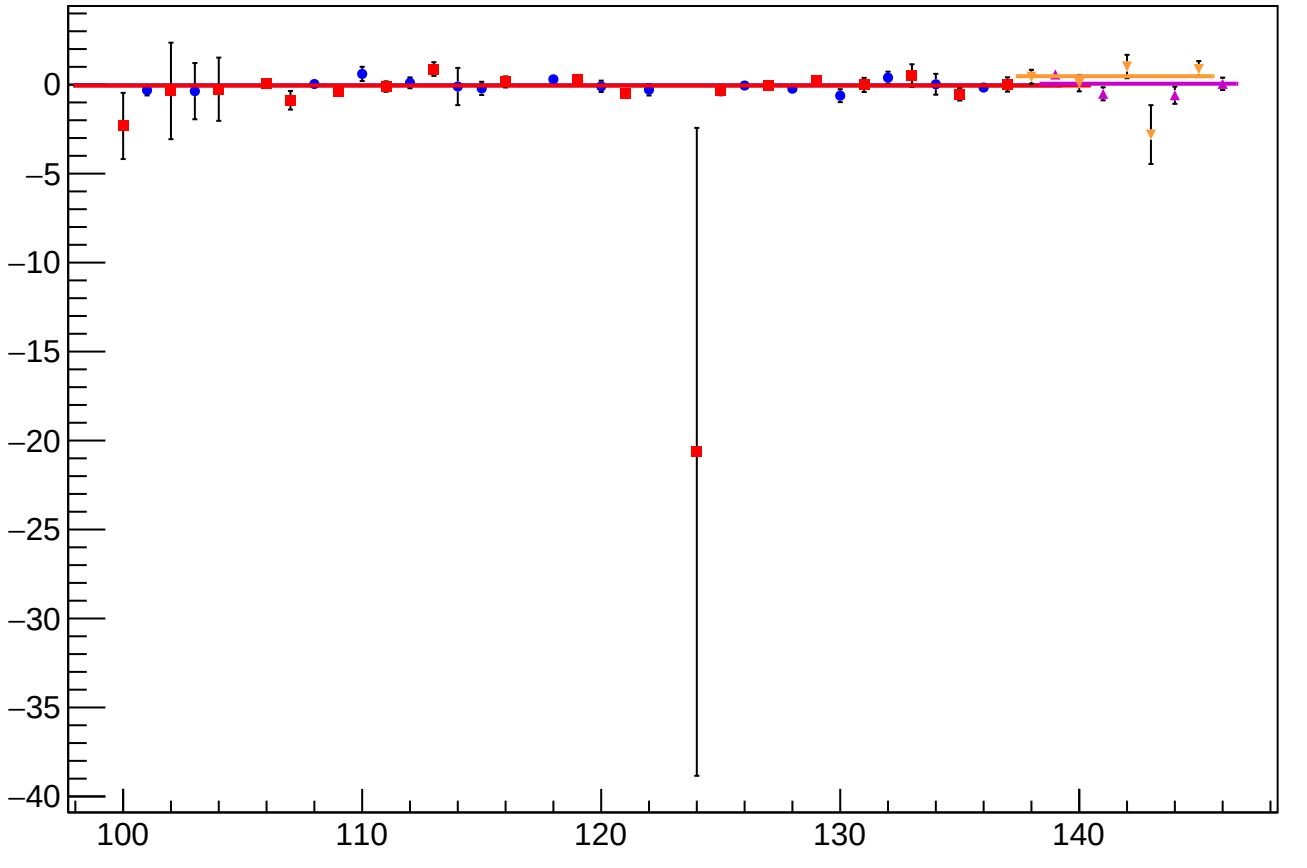
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 311.073+/-0.122 χ^2/NDF:328272.9/3

+ sign 214.906+/-0.052 χ^2/NDF: 3865735.5/20

All: 211.247+/-0.036 χ^2/NDF: 7542677.7/43

- sign 207.782+/-0.051 χ^2/NDF: 3667342.2/22



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.474+/-0.231 χ^2/NDF:6.1/4

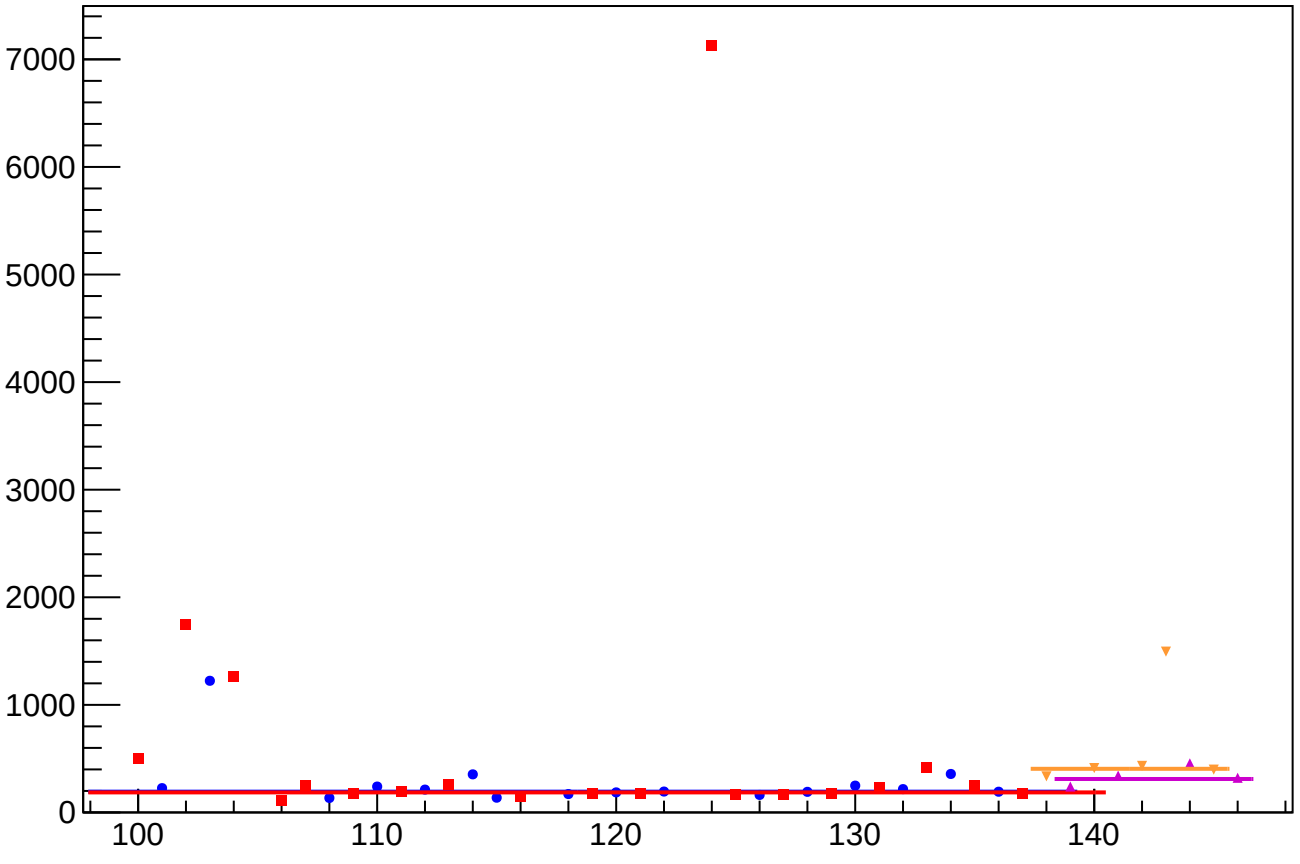
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.052+/-0.173 χ^2/NDF:7.8/3

+ sign 0.011+/-0.074 χ^2/NDF: 22.3/20

All: -0.011+/-0.051 χ^2/NDF: 53.6/43

- sign -0.032+/-0.072 χ^2/NDF: 31.1/22



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 405.739+/-0.163 χ^2/NDF:934814.0/4

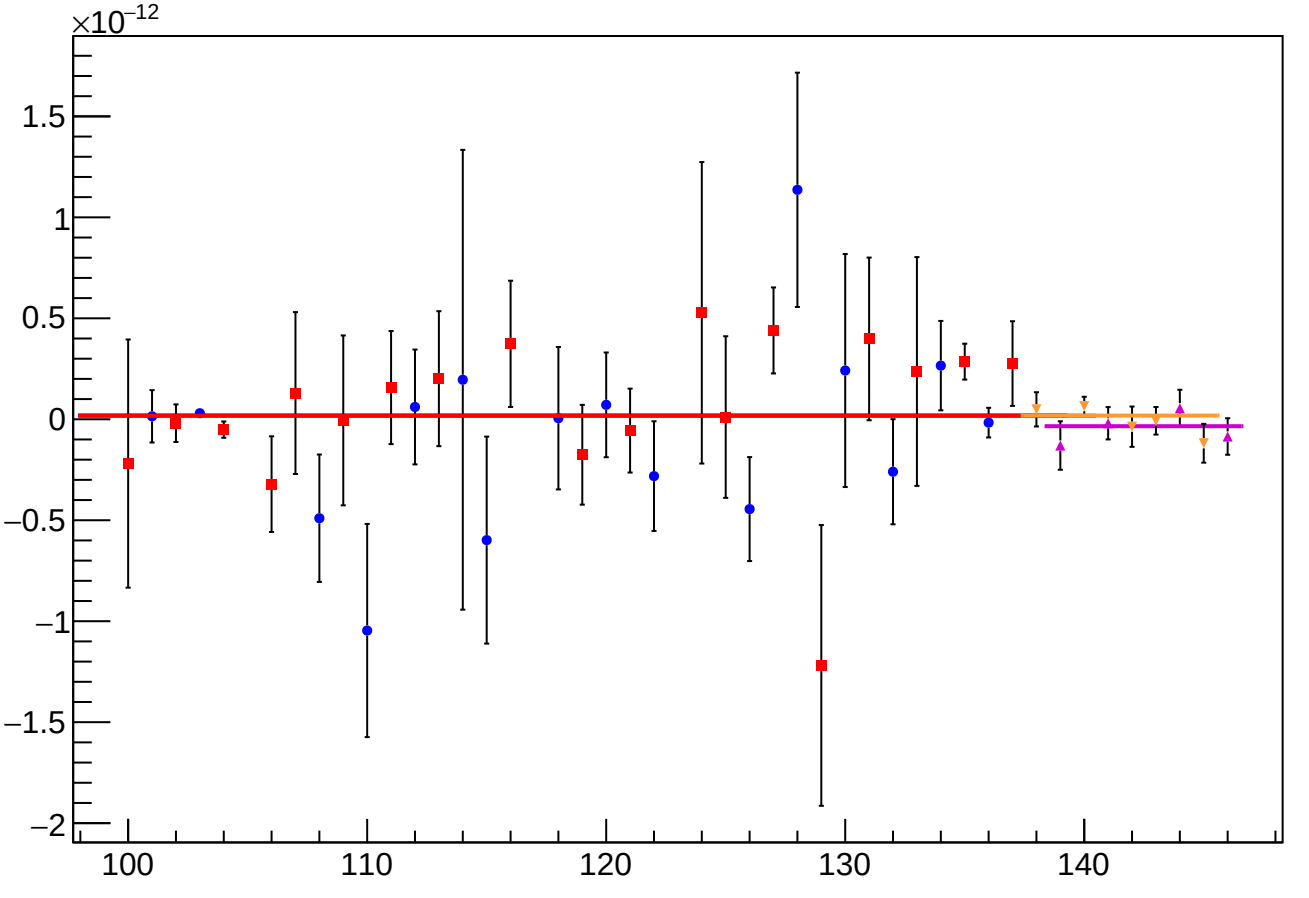
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 311.073+/-0.122 χ^2/NDF:328272.9/3

+ sign 214.906+/-0.052 χ^2/NDF: 3865735.5/20

All: 211.247+/-0.036 χ^2/NDF: 7542677.7/43

- sign 207.782+/-0.051 χ^2/NDF: 3667342.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/4

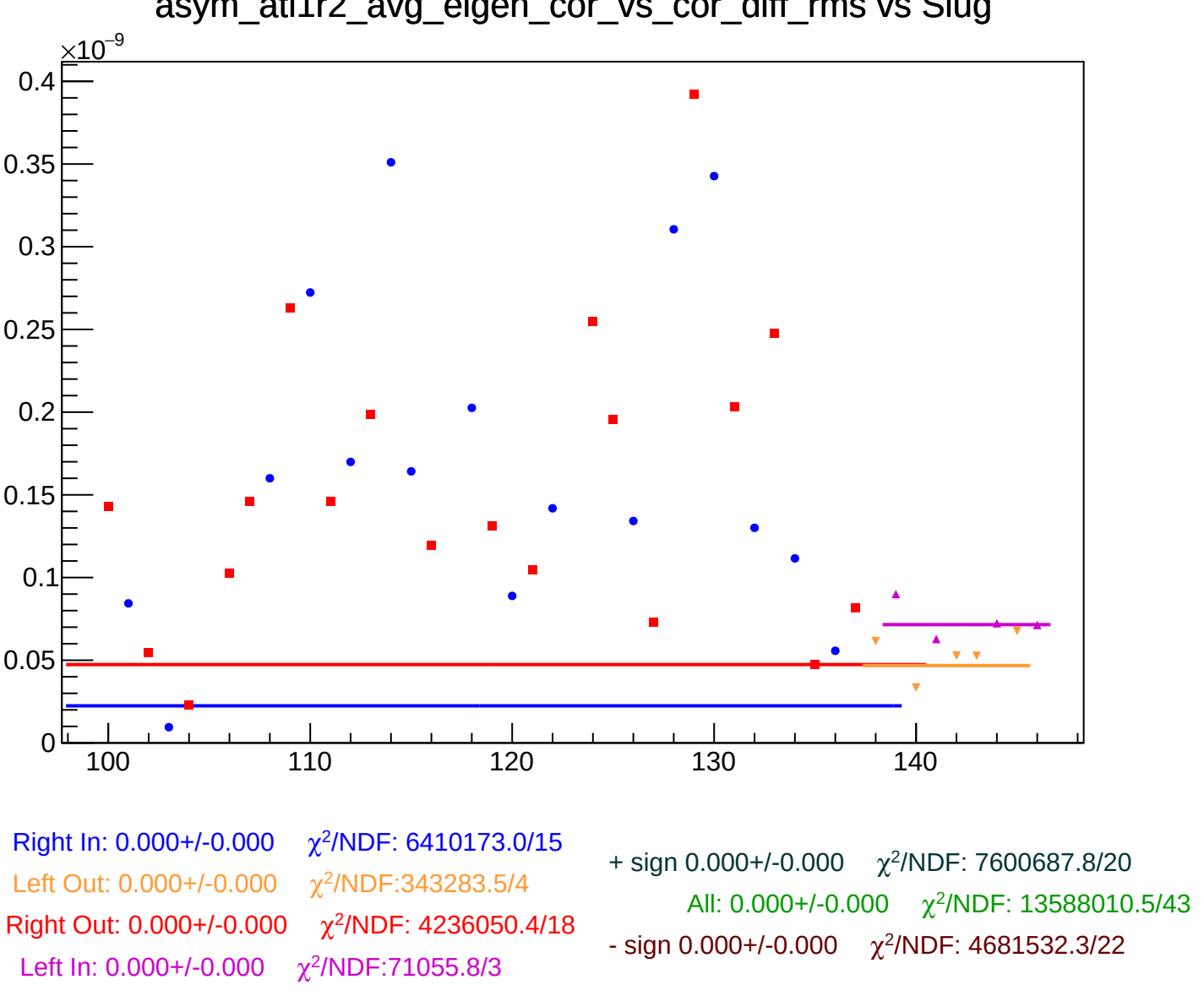
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/3

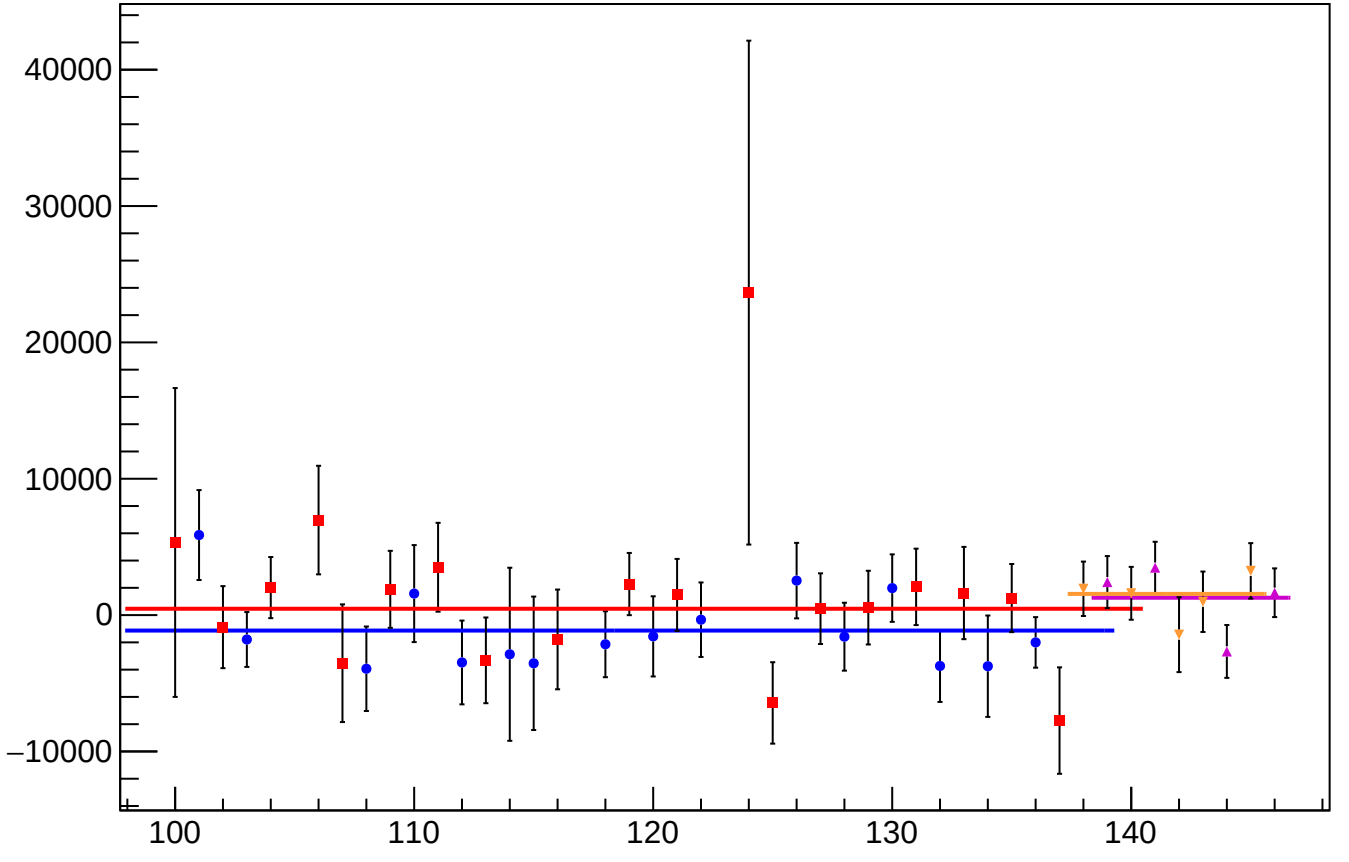
+ sign 0.000+/-0.000 χ^2/NDF: 23.0/20

All: 0.000+/-0.000 χ^2/NDF: 53.3/43

- sign 0.000+/-0.000 χ^2/NDF: 29.9/22


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:343283.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:71055.8/3
+ sign 0.000+/-0.000 χ²/NDF: 7600687.8/20
All: 0.000+/-0.000 χ²/NDF: 13588010.5/43
- sign 0.000+/-0.000 χ²/NDF: 4681532.3/22

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1555.128+/-955.313 χ^2/NDF:2.0/4

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

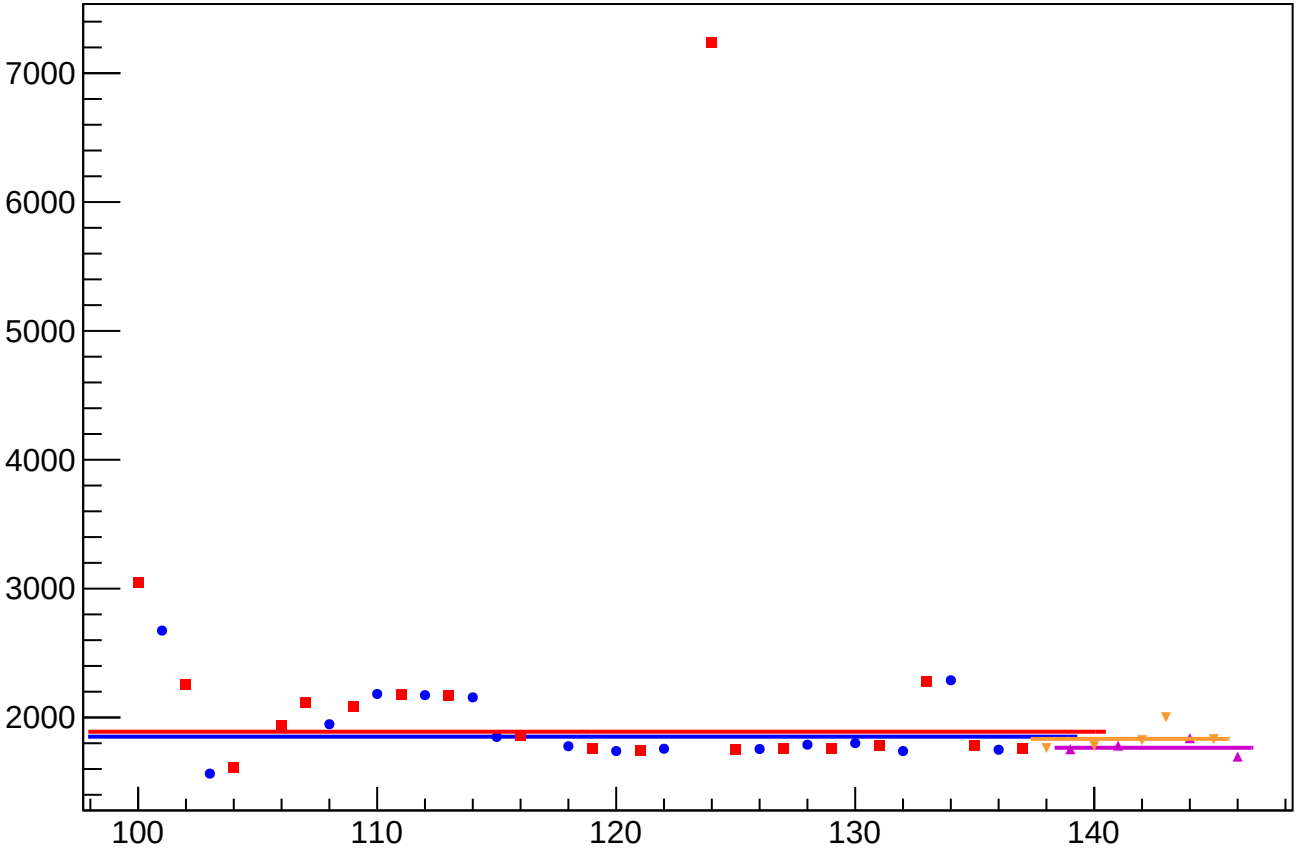
Left In: 1273.256+/-939.296 χ^2/NDF:5.9/3

+ sign -205.856+/-561.363 χ^2/NDF: 19.4/20

All: 273.078+/-397.985 χ^2/NDF: 47.2/43

- sign 757.072+/-564.321 χ^2/NDF: 26.4/22

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1833.918+/-0.676 χ^2/NDF:15594.2/4

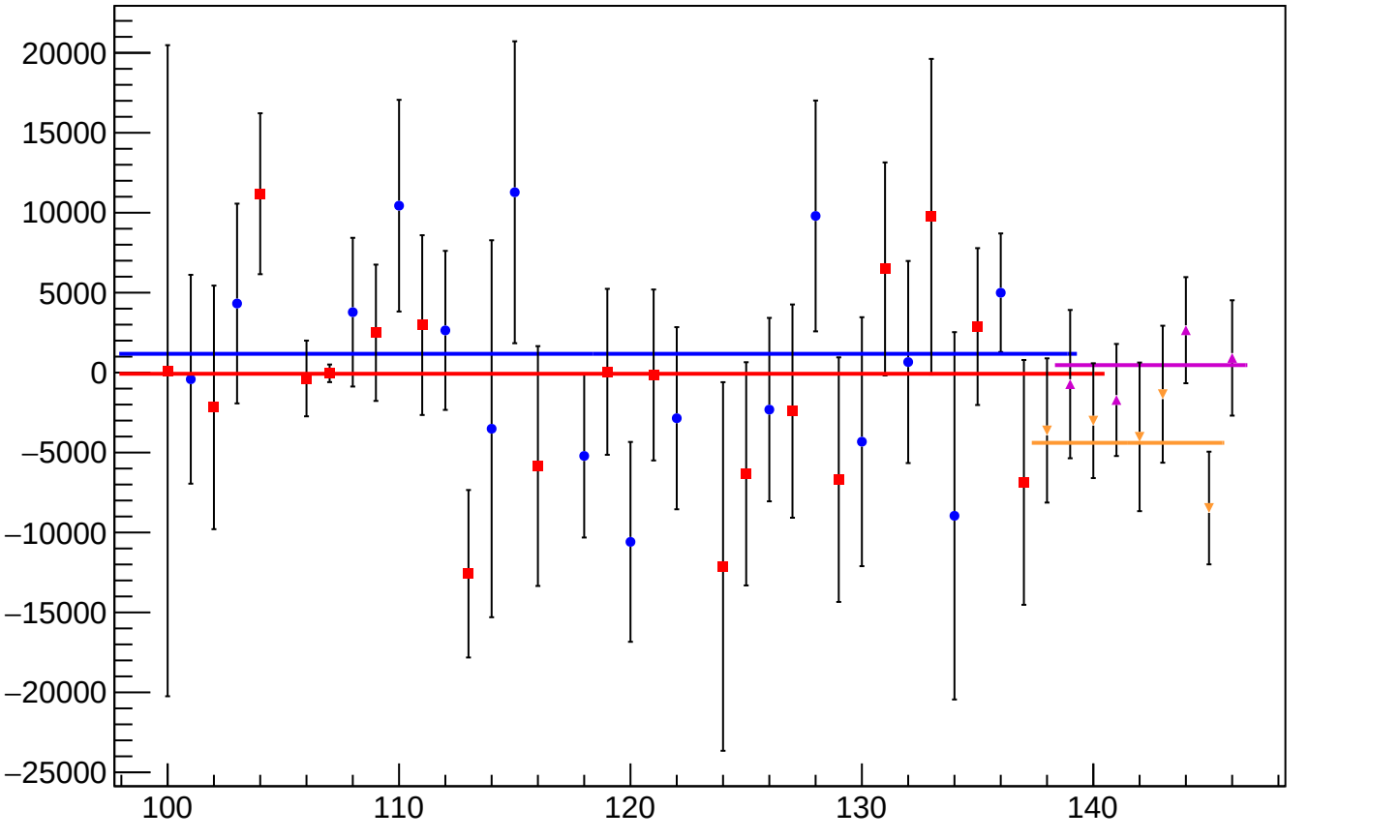
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

\+ sign 1845.187+/-0.397 χ^2/NDF: 276000.8/20

All: 1844.959+/-0.281 χ^2/NDF: 663461.6/43

\- sign 1844.729+/-0.398 χ^2/NDF: 387460.1/22



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -4391.516+/-1801.744 χ^2/NDF:2.0/4

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

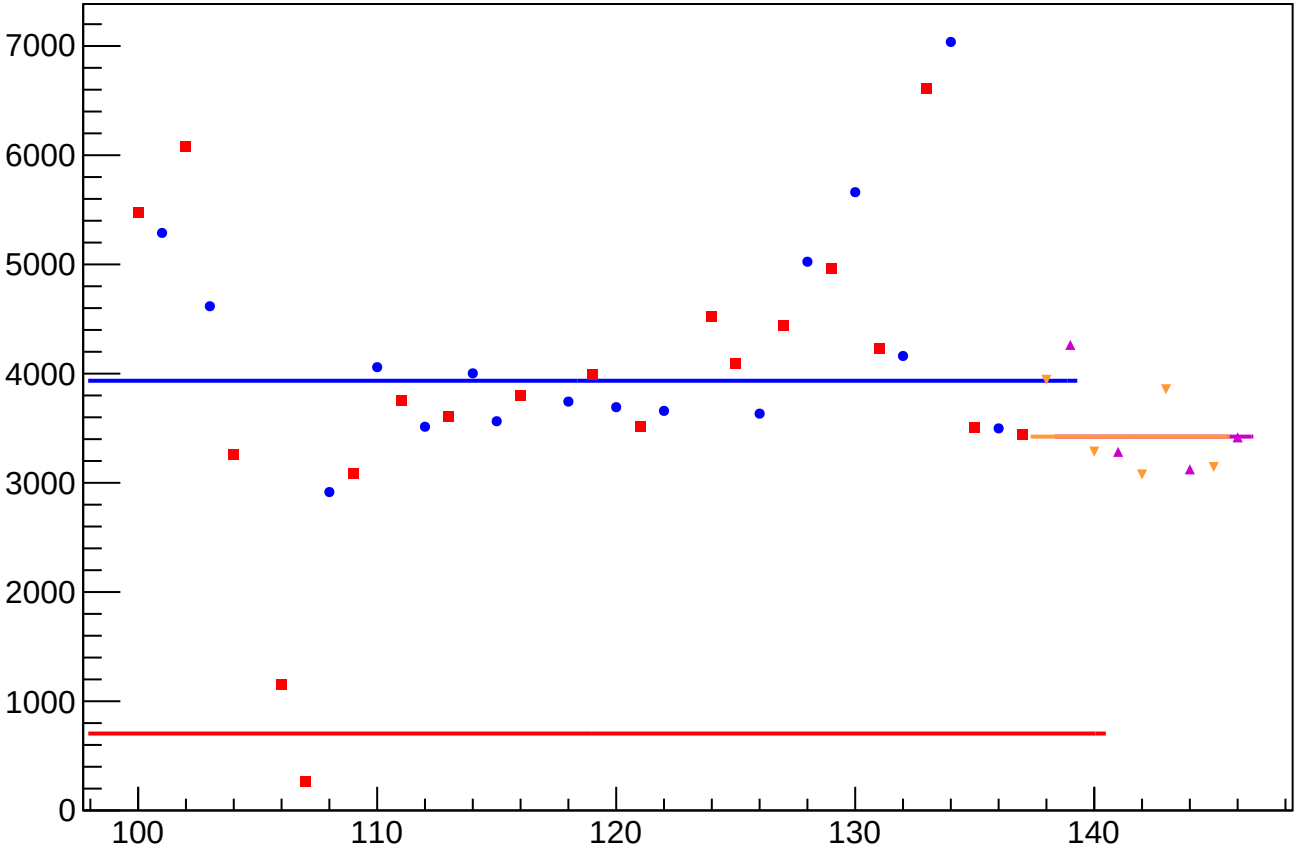
Left In: 468.812+/-1839.338 χ^2/NDF:0.9/3

+ sign -1107.316+/-1153.754 χ^2/NDF: 21.4/20

All: -197.184+/-449.138 χ^2/NDF: 41.0/43

- sign -34.627+/-487.601 χ^2/NDF: 18.9/22

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3423.169+/-1.274 χ^2/NDF:73595.4/4

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

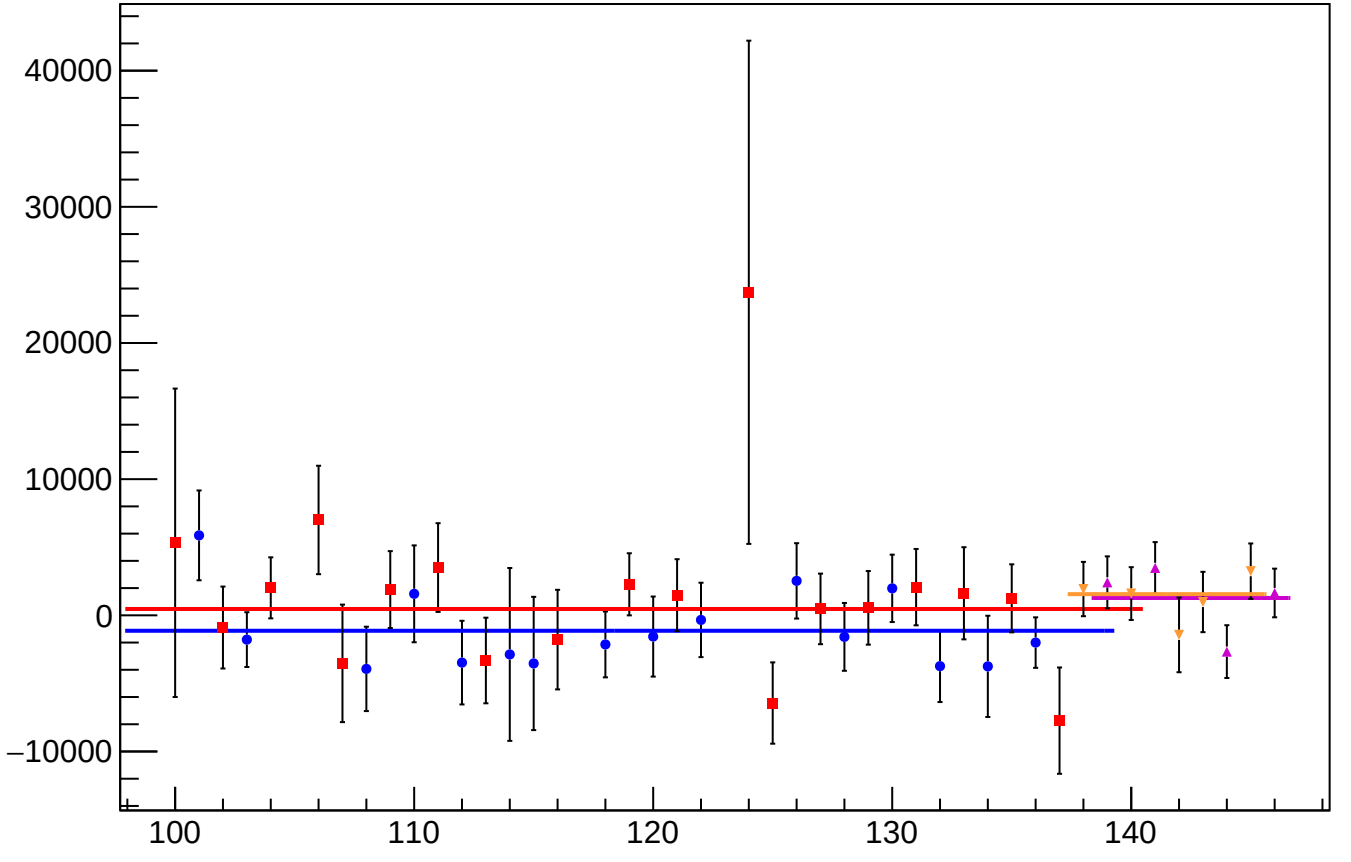
Left In: 3423.169+/-1.301 χ^2/NDF:85036.4/3

+ sign 3724.955+/-0.816 χ^2/NDF: 728832.2/20

All: 1324.238+/-0.318 χ^2/NDF: 25701157.8/4

- sign 895.450+/-0.345 χ^2/NDF: 14766338.2/22

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1555.203+/-955.313 χ^2/NDF:2.0/4

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

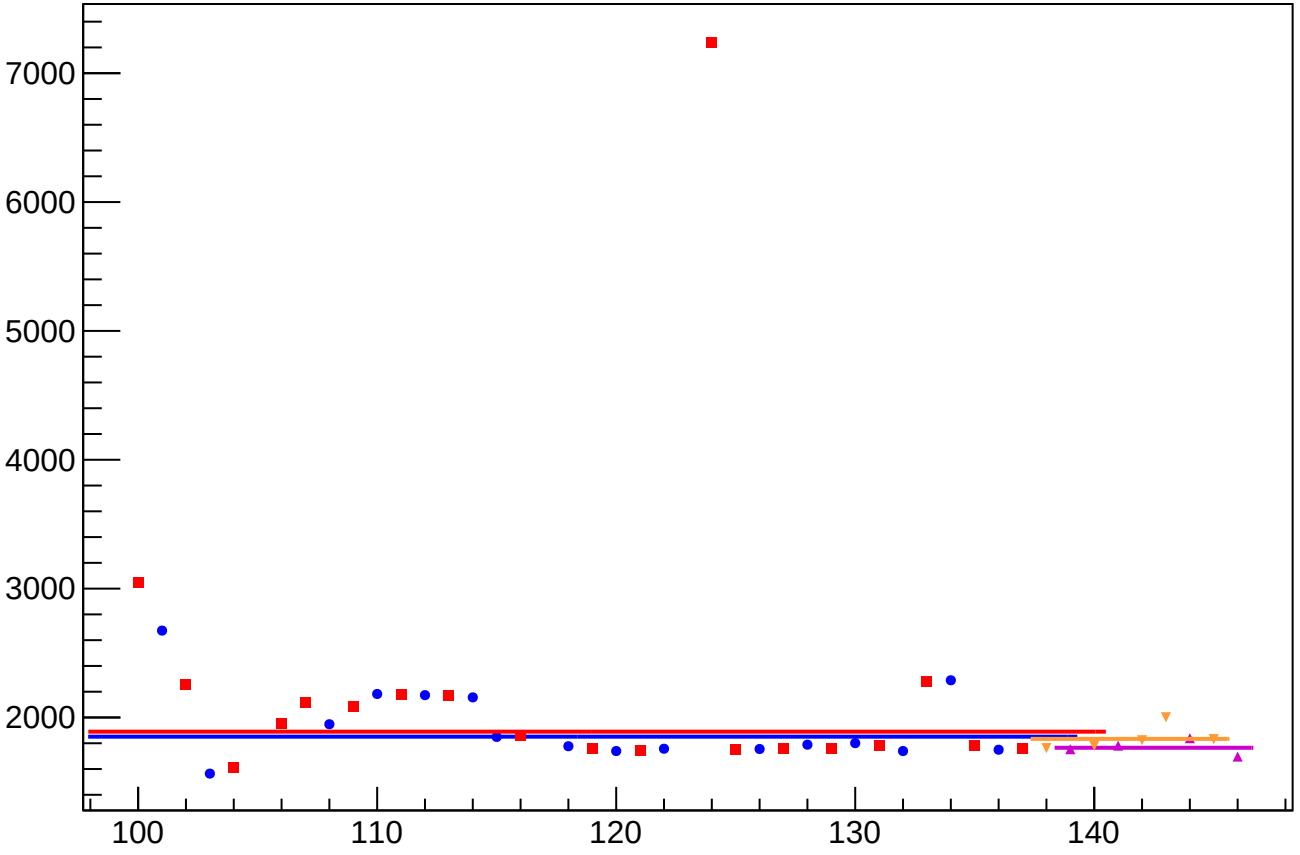
Left In: 1273.371+/-939.296 χ^2/NDF:5.9/3

+ sign -205.551+/-561.363 χ^2/NDF: 19.4/20

All: 273.372+/-397.986 χ^2/NDF: 47.3/43

- sign 757.357+/-564.322 χ^2/NDF: 26.4/22

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1833.918+/-0.676 χ^2/NDF:15594.2/4

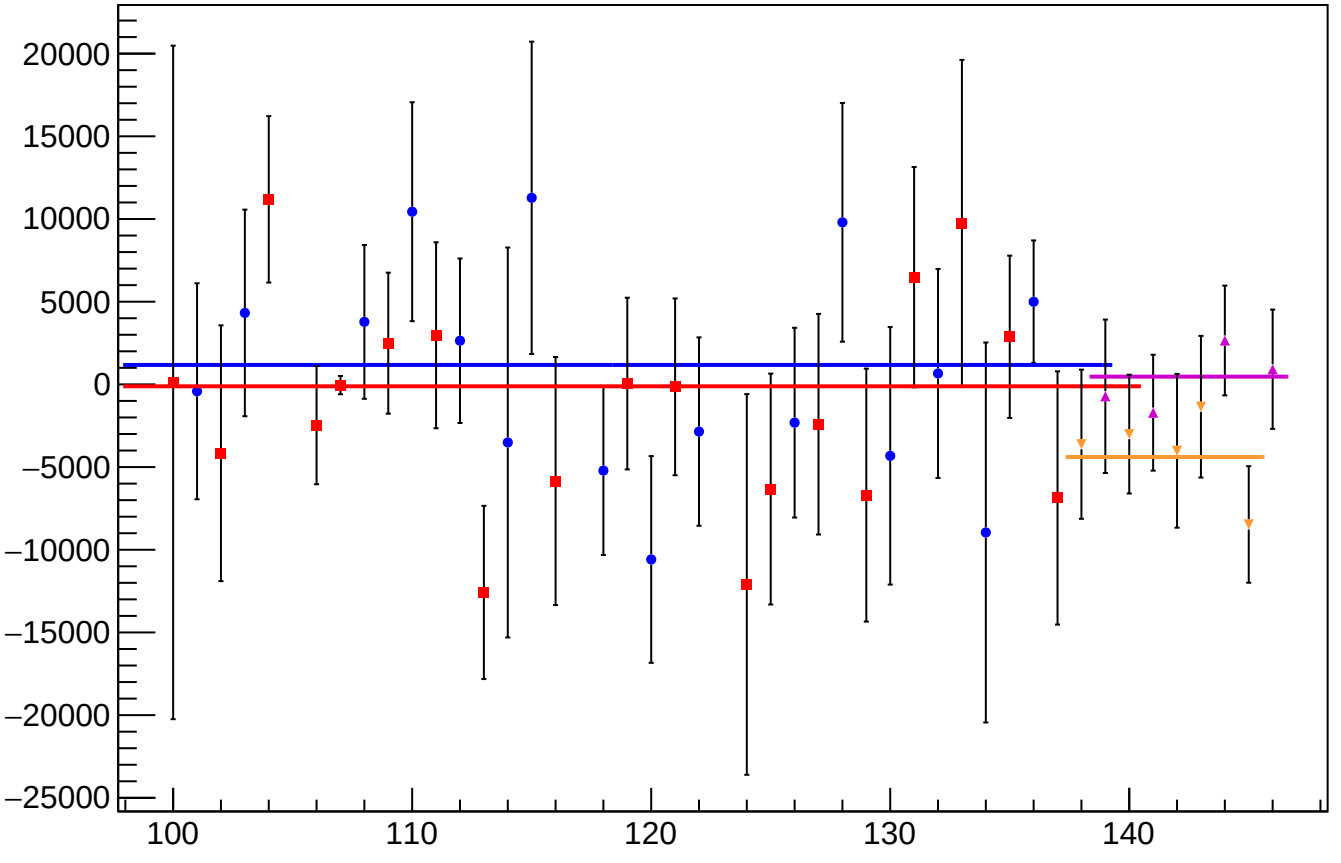
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

+ sign 1845.187+/-0.397 χ^2/NDF: 276000.0/20

All: 1845.099+/-0.281 χ^2/NDF: 663842.1/43

- sign 1845.009+/-0.399 χ^2/NDF: 387842.0/22



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -4391.407+/-1801.736 χ^2/NDF:2.0/4

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

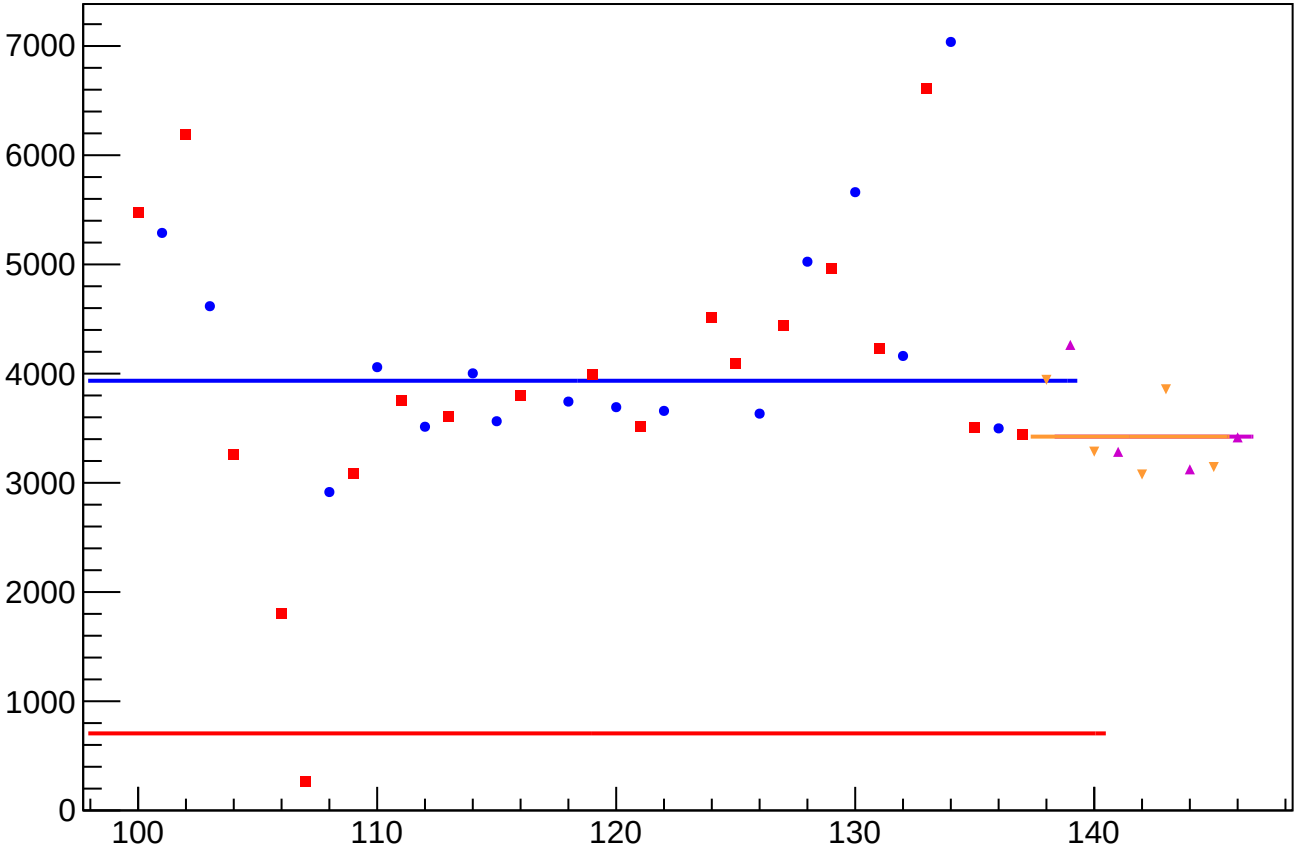
Left In: 468.860+/-1839.340 χ^2/NDF:0.9/3

+ sign -1107.306+/-1153.755 χ^2/NDF: 21.4/20

All: -233.662+/-453.740 χ^2/NDF: 41.6/43

- sign -73.820+/-493.505 χ^2/NDF: 19.6/22

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3423.154+/-1.274 χ^2/NDF:73597.8/4

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

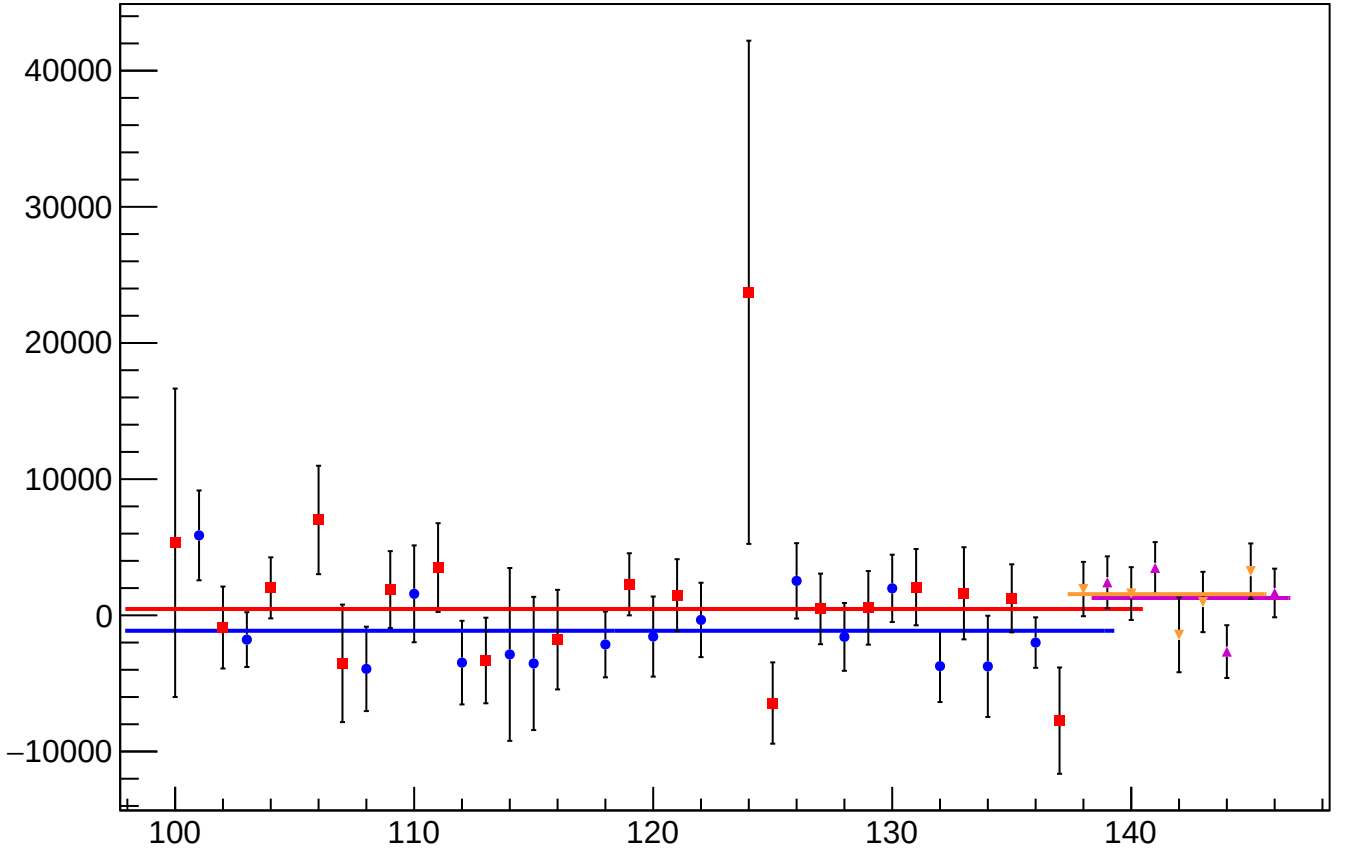
Left In: 3423.173+/-1.301 χ^2/NDF:85035.4/3

+ sign 3724.952+/-0.816 χ^2/NDF: 728867.8/20

All: 1337.973+/-0.321 χ^2/NDF: 25739362.3/4

- sign 901.251+/-0.349 χ^2/NDF: 14883741.4/22

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1555.203+/-955.313 χ^2/NDF:2.0/4

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

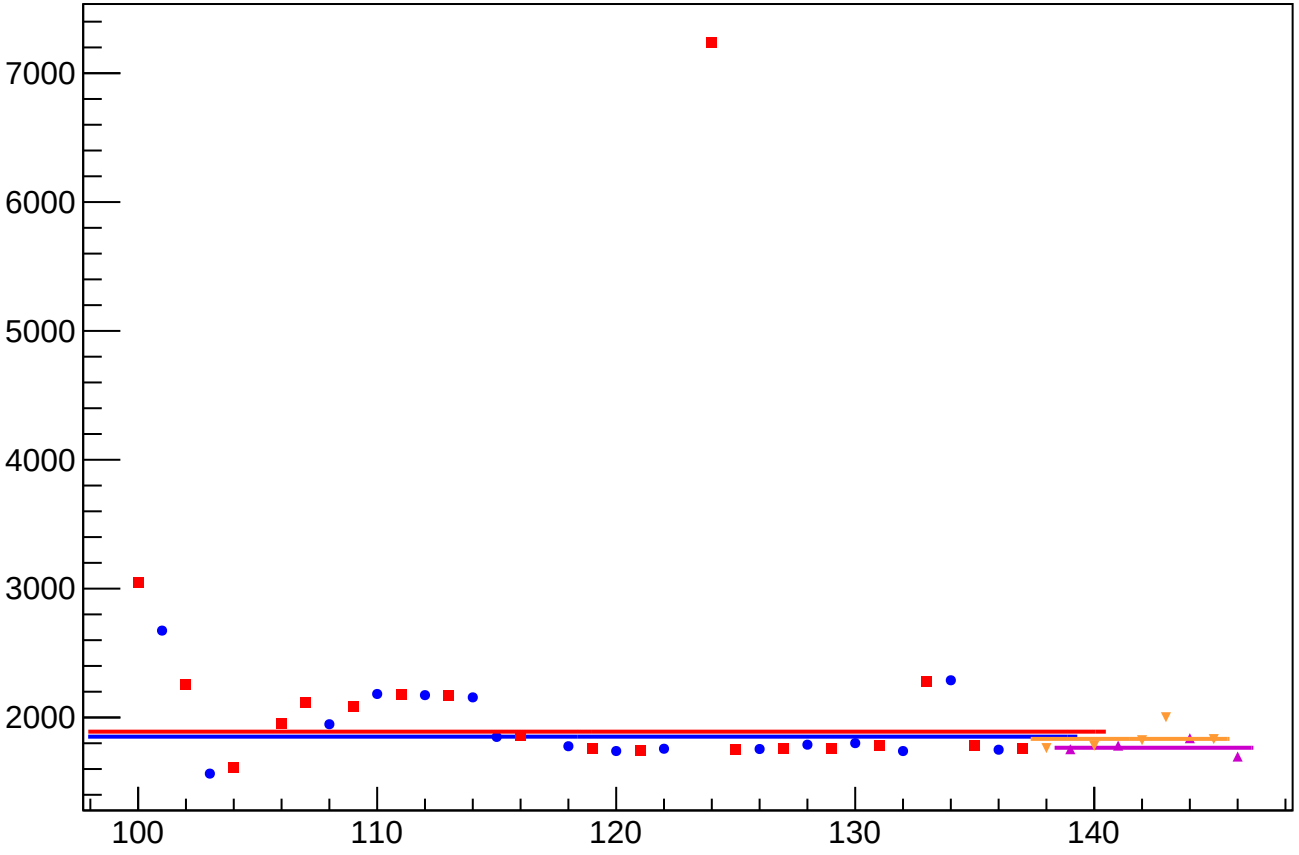
Left In: 1273.371+/-939.296 χ^2/NDF:5.9/3

+ sign -205.551+/-561.363 χ^2/NDF: 19.4/20

All: 273.372+/-397.986 χ^2/NDF: 47.3/43

- sign 757.357+/-564.322 χ^2/NDF: 26.4/22

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1833.918+/-0.676 χ^2/NDF:15594.2/4

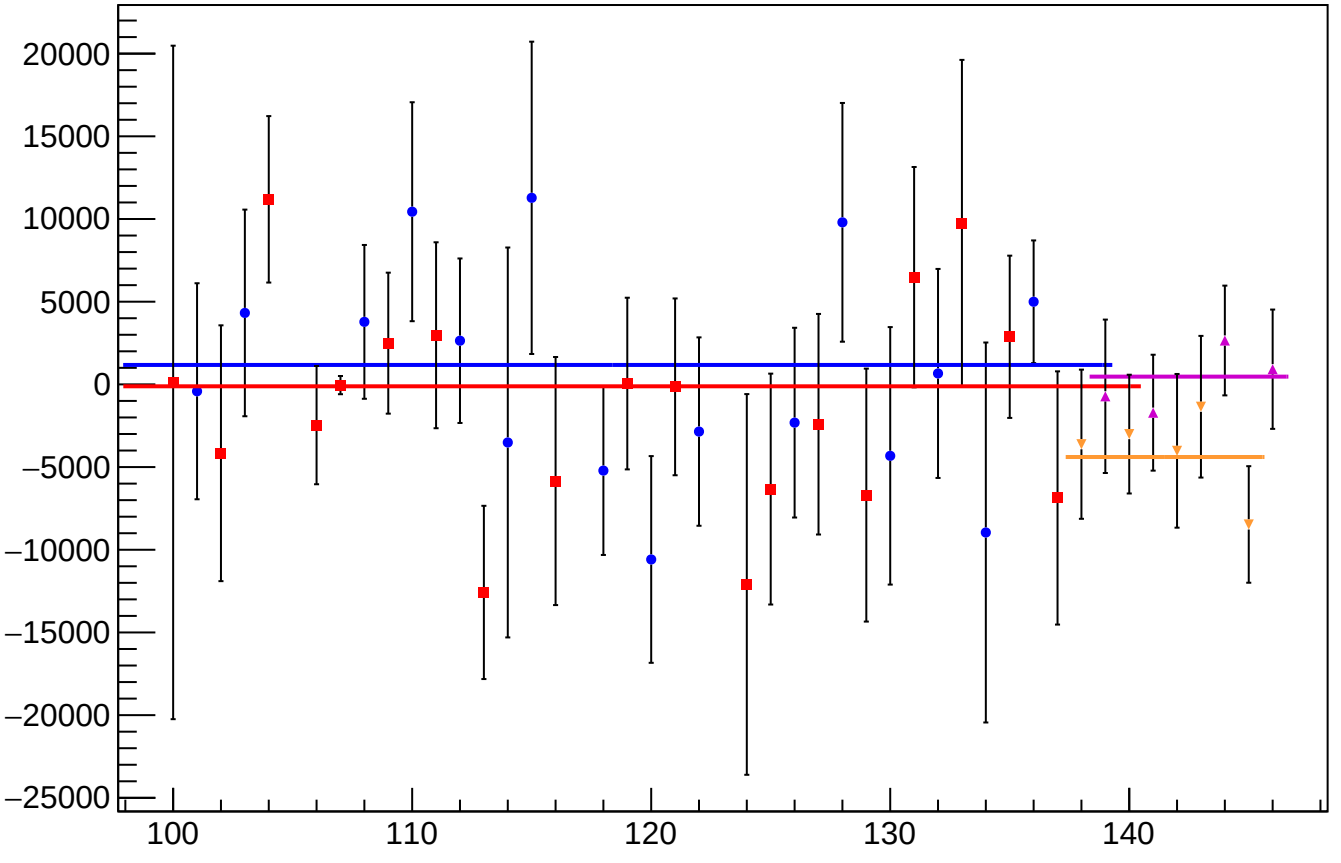
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

+ sign 1845.187+/-0.397 χ^2/NDF: 276000.0/20

All: 1845.099+/-0.281 χ^2/NDF: 663842.1/43

- sign 1845.009+/-0.399 χ^2/NDF: 387842.0/22



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -4391.407+/-1801.736 χ^2/NDF:2.0/4

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

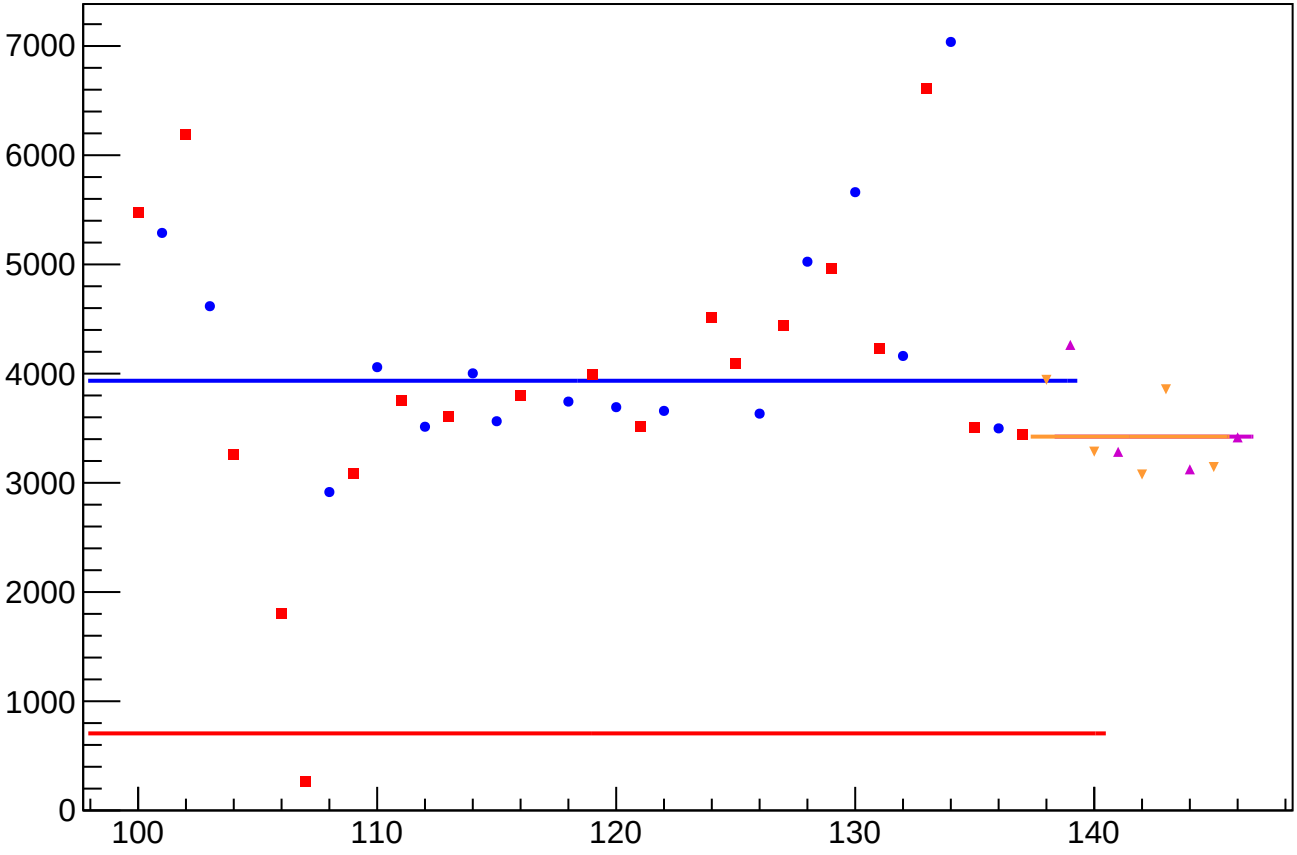
Left In: 468.860+/-1839.340 χ^2/NDF:0.9/3

+ sign -1107.306+/-1153.755 χ^2/NDF: 21.4/20

All: -233.662+/-453.740 χ^2/NDF: 41.6/43

- sign -73.820+/-493.505 χ^2/NDF: 19.6/22

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3423.154+/-1.274 χ^2/NDF:73597.8/4

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

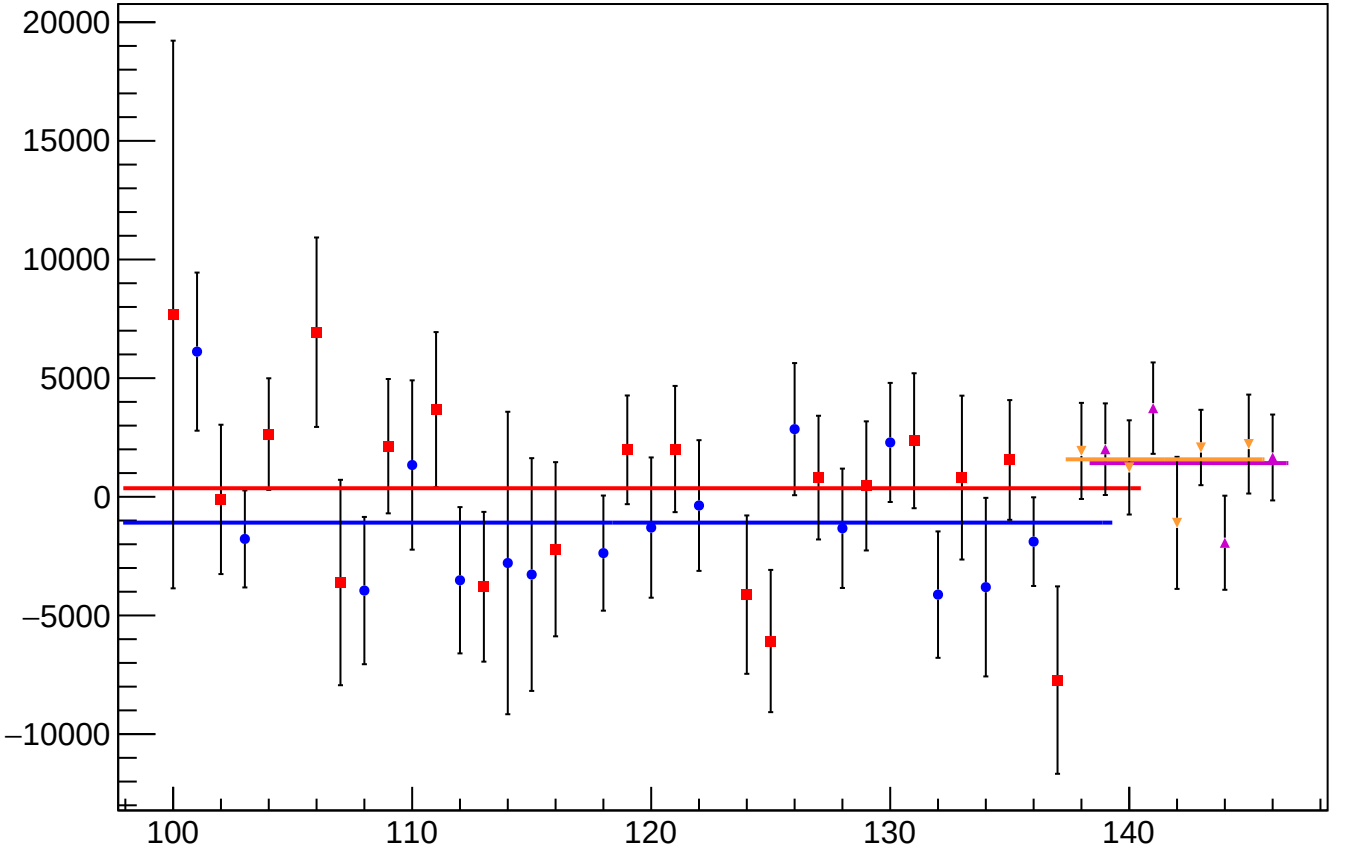
Left In: 3423.173+/-1.301 χ^2/NDF:85035.4/3

+ sign 3724.952+/-0.816 χ^2/NDF: 728867.8/20

All: 1337.973+/-0.321 χ^2/NDF: 25739362.3/4

- sign 901.251+/-0.349 χ^2/NDF: 14883741.4/22

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1579.211+/-893.244 χ^2/NDF:1.2/4

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

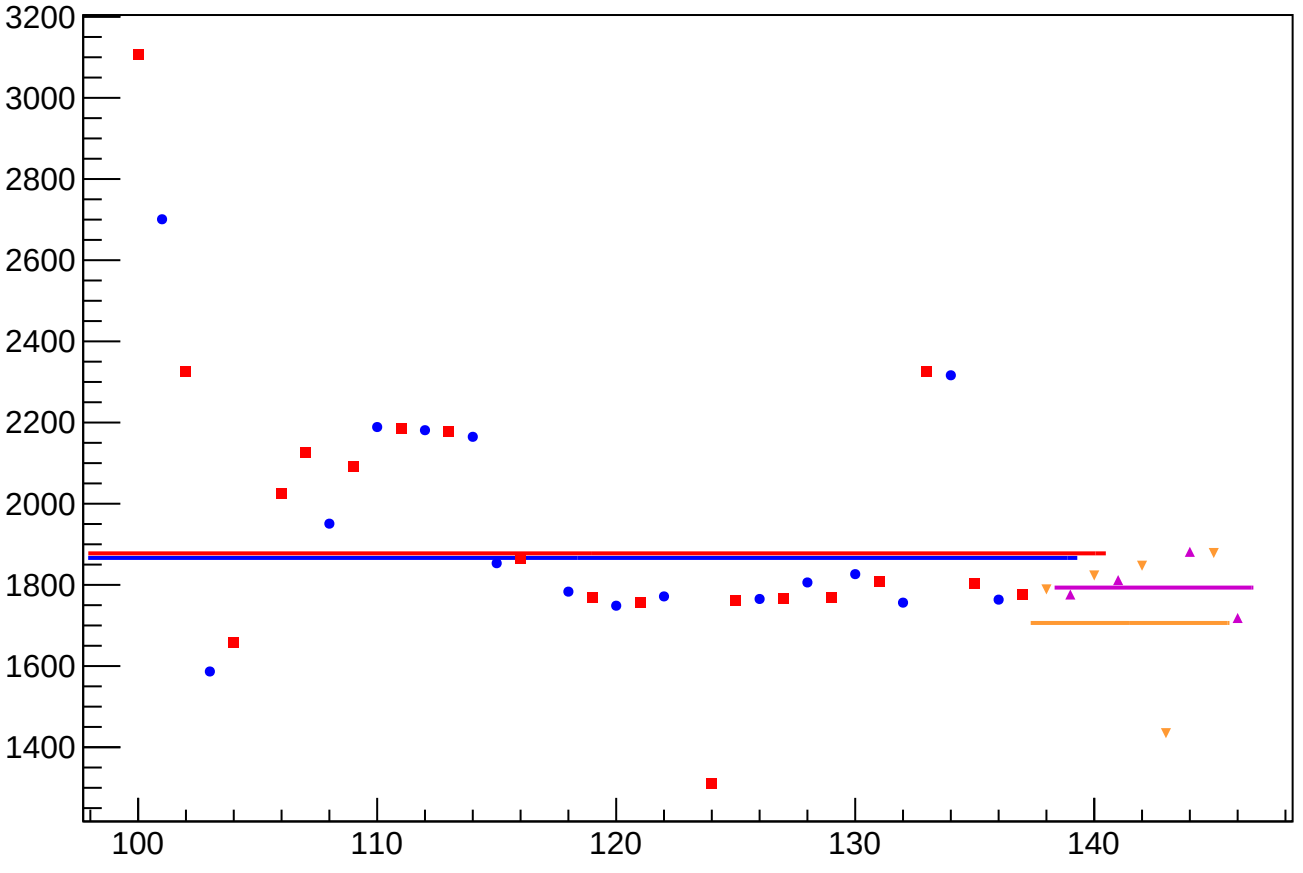
Left In: 1420.852+/-954.483 χ^2/NDF:4.4/3

+ sign -73.799+/-550.767 χ^2/NDF: 19.9/20

All: 319.123+/-394.147 χ^2/NDF: 47.0/43

- sign 731.584+/-564.295 χ^2/NDF: 26.0/22

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1706.188+/-0.632 χ^2/NDF:87589.1/4

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

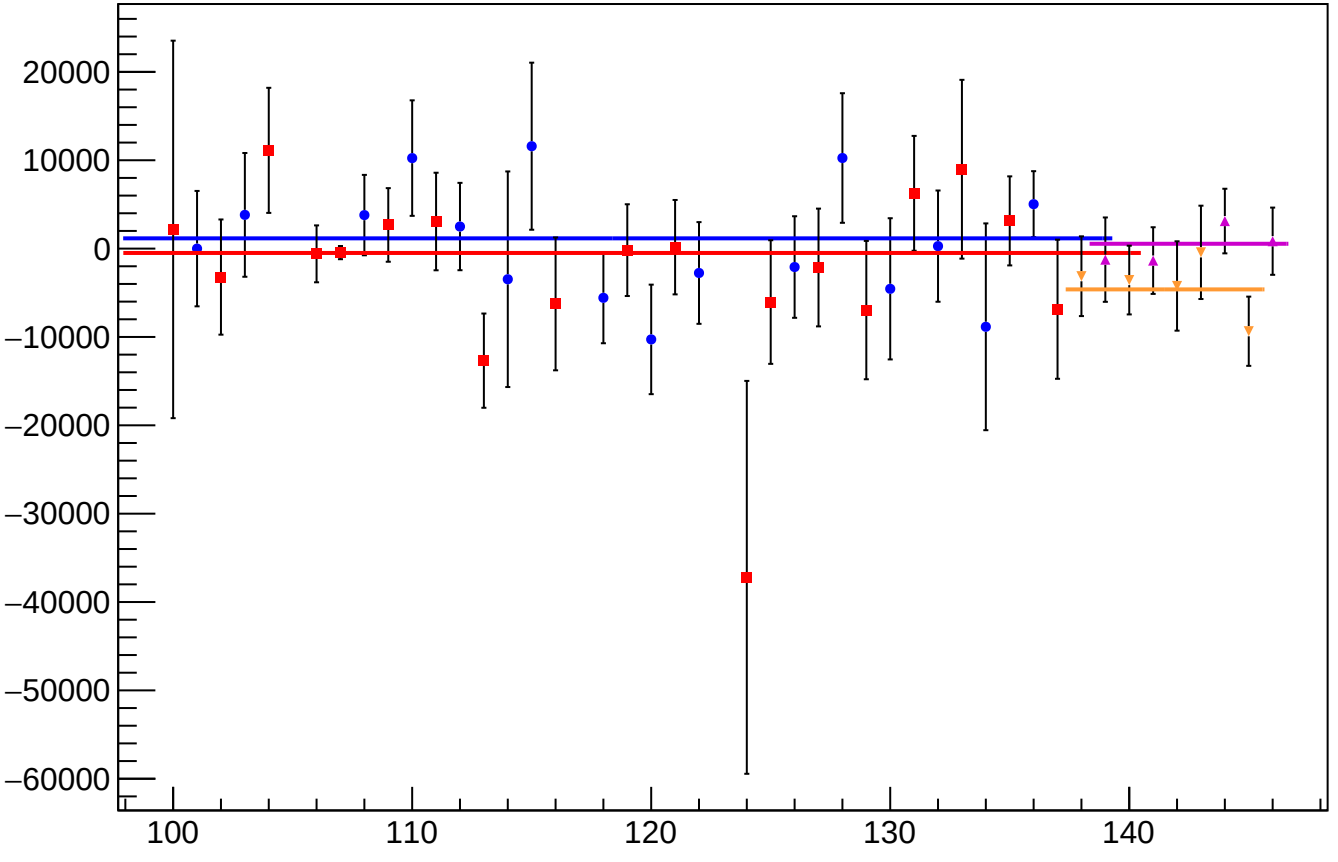
Left In: 1793.324+/-0.675 χ^2/NDF:7713.4/3

+ sign 1805.524+/-0.389 χ^2/NDF: 383757.9/20

All: 1826.363+/-0.279 χ^2/NDF: 659349.0/43

- sign 1848.214+/-0.399 χ^2/NDF: 269726.1/22

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -4616.635+/-1978.979 χ^2/NDF:2.3/4

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

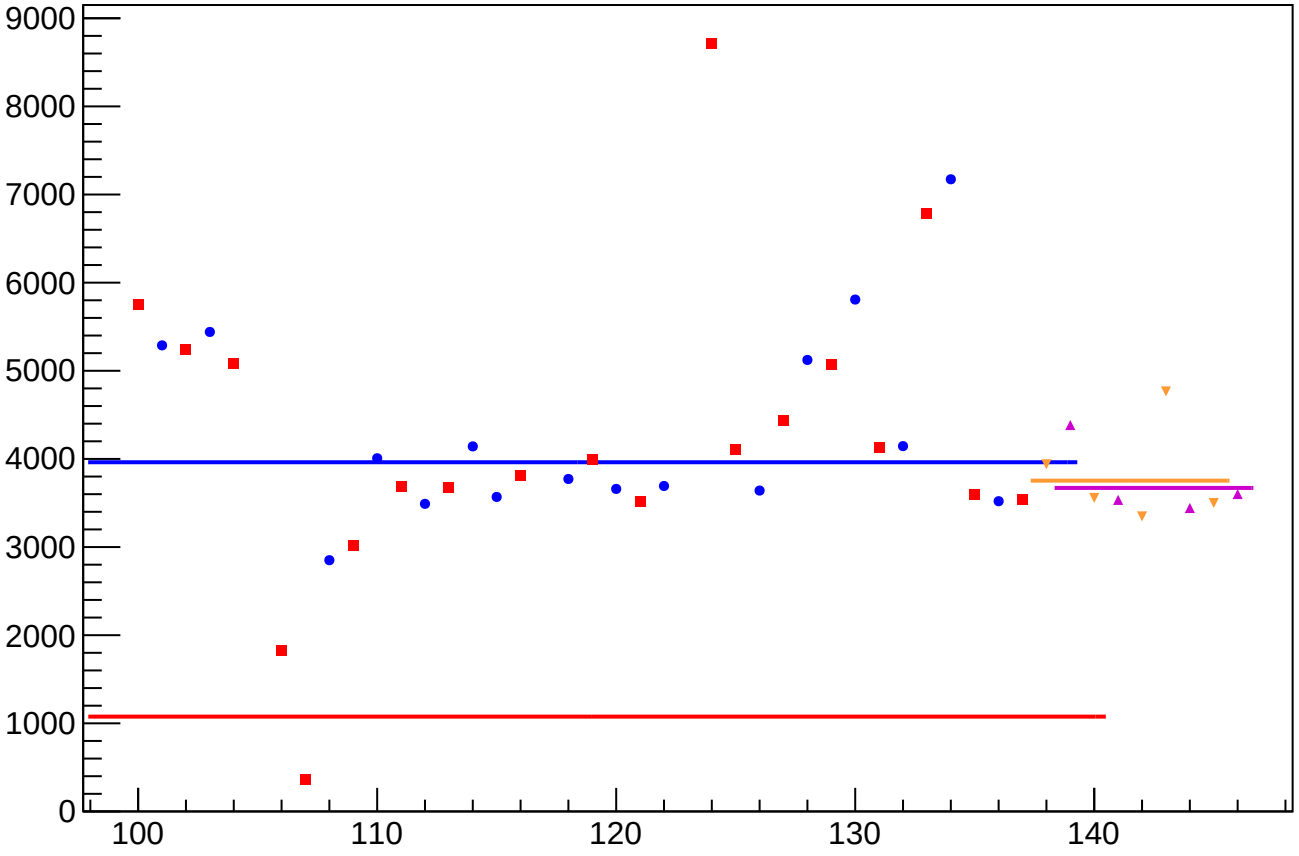
Left In: 547.222+/-1968.566 χ^2/NDF:0.9/3

+ sign -968.867+/-1201.573 χ^2/NDF: 21.3/20

All: -511.717+/-554.124 χ^2/NDF: 39.6/43

- sign -388.231+/-624.496 χ^2/NDF: 18.1/22

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3753.517+/-1.399 χ^2/NDF:103195.8/4

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

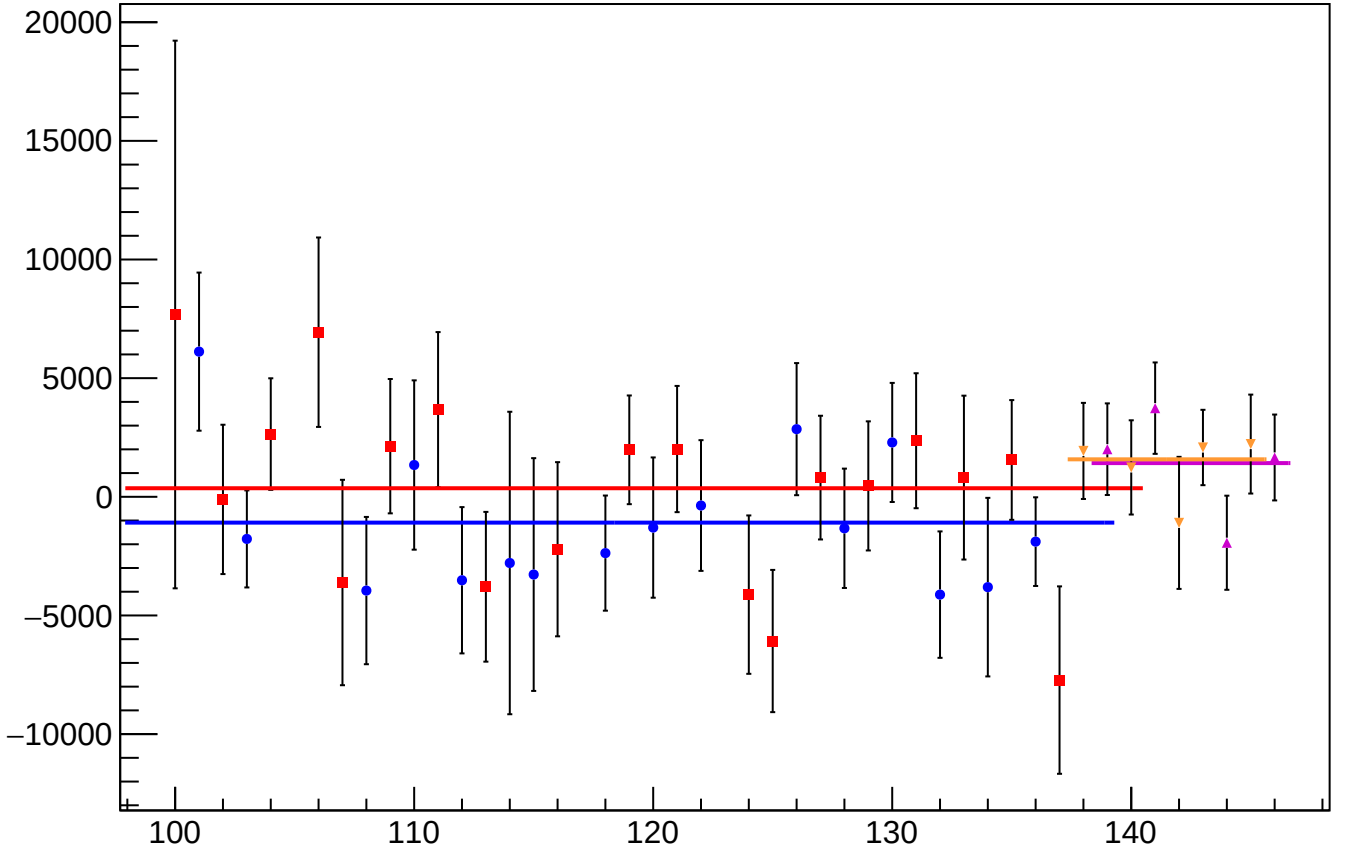
Left In: 3670.903+/-1.392 χ^2/NDF:55703.1/3

+ sign 3885.374+/-0.850 χ^2/NDF: 785598.7/20

All: 1879.056+/-0.392 χ^2/NDF: 20607486.0/4

- sign 1337.106+/-0.442 χ^2/NDF: 12739587.6/22

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1579.198+/-893.244 χ^2/NDF:1.2/4

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

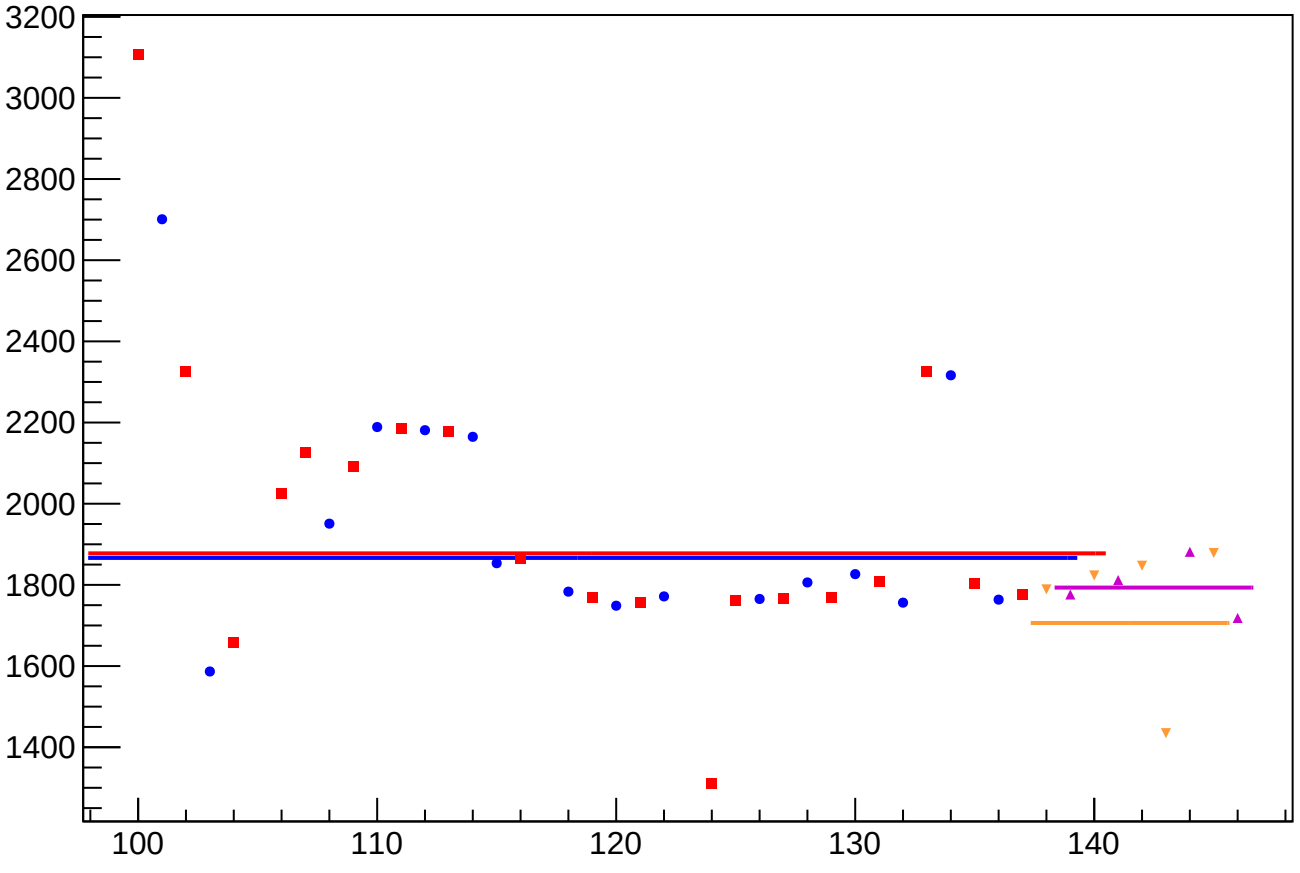
Left In: 1420.846+/-954.483 χ^2/NDF:4.4/3

+ sign -73.808+/-550.767 χ^2/NDF: 19.9/20

All: 319.119+/-394.147 χ^2/NDF: 47.0/43

- sign 731.585+/-564.295 χ^2/NDF: 26.0/22

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1706.190+/-0.632 χ^2/NDF:87588.2/4

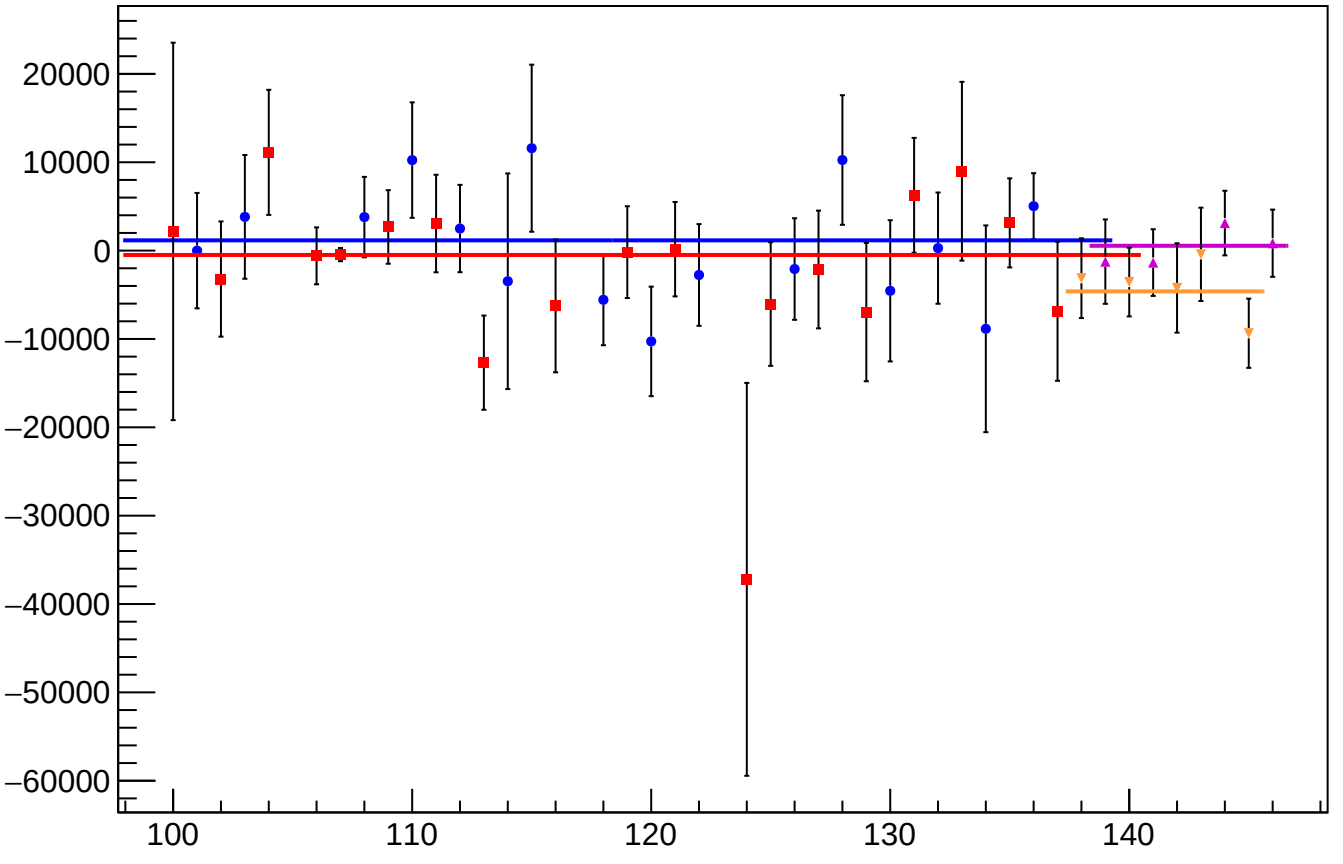
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1793.325+/-0.675 χ^2/NDF:7713.4/3

+ sign 1805.525+/-0.389 χ^2/NDF: 383756.1/20

All: 1826.363+/-0.279 χ^2/NDF: 659347.3/43

- sign 1848.214+/-0.399 χ^2/NDF: 269726.2/22



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -4616.642+/-1978.980 χ^2/NDF:2.3/4

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

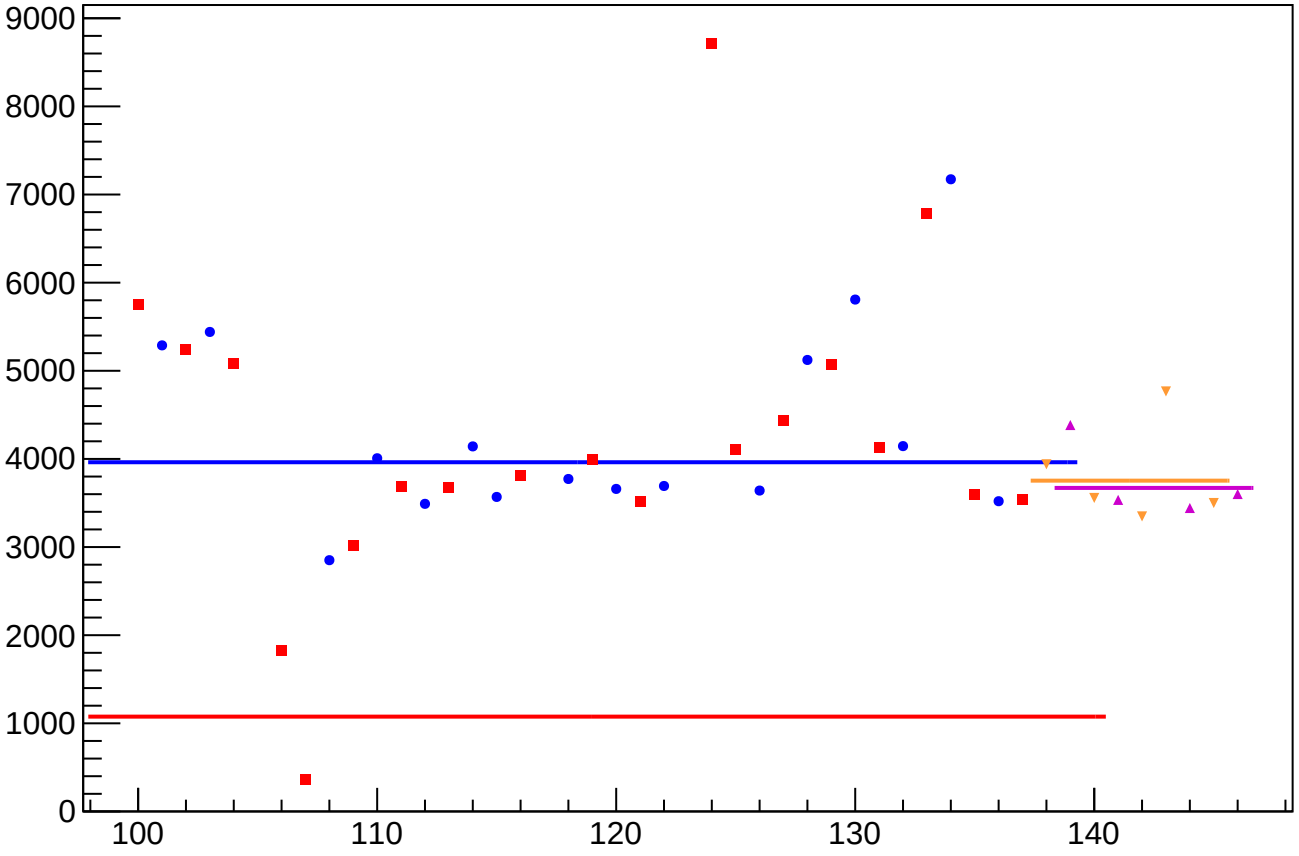
Left In: 547.214+/-1968.569 χ^2/NDF:0.9/3

+ sign -968.875+/-1201.572 χ^2/NDF: 21.3/20

All: -511.725+/-554.131 χ^2/NDF: 39.6/43

- sign -388.236+/-624.506 χ^2/NDF: 18.1/22

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3753.520+/-1.399 χ^2/NDF:103194.8/4

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

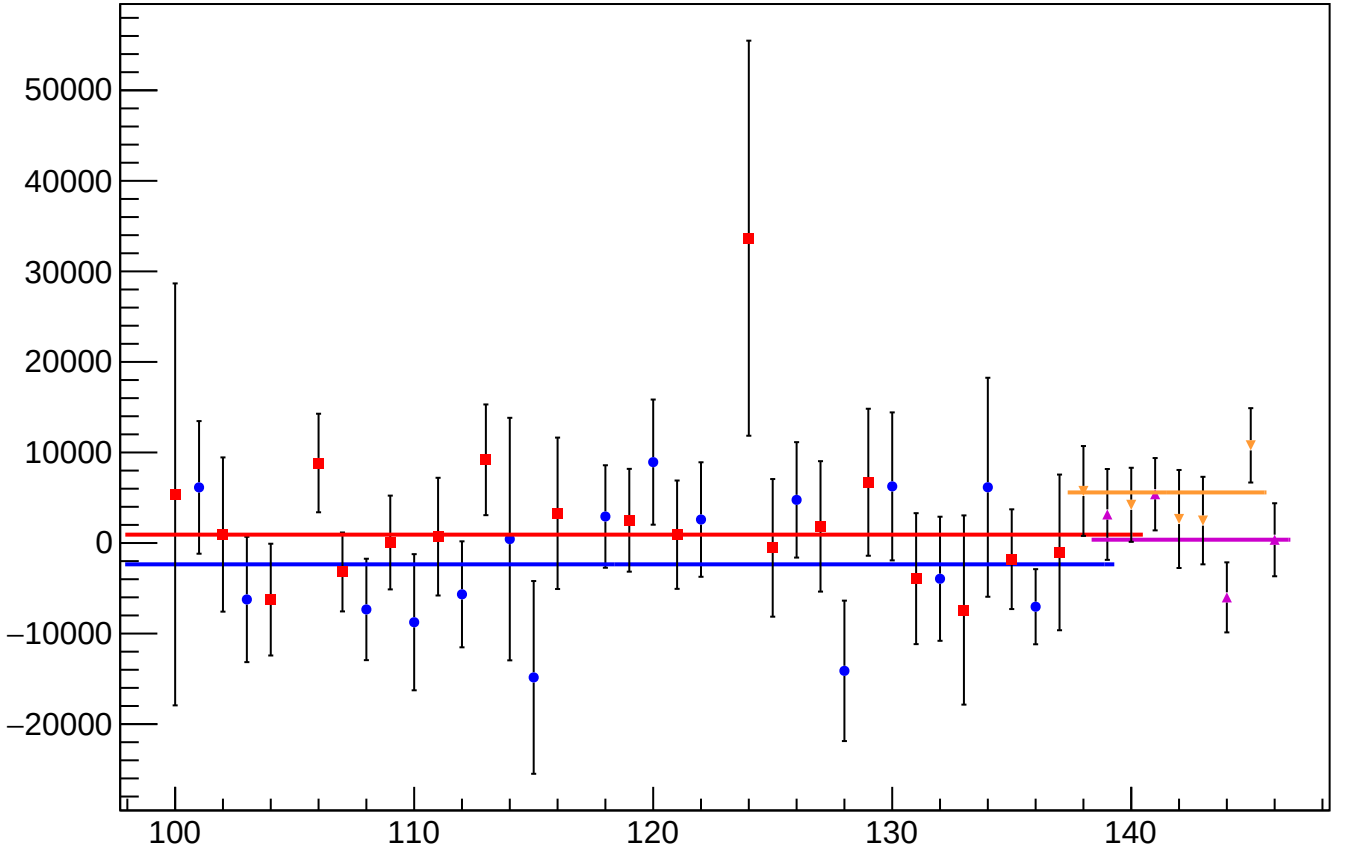
Left In: 3670.907+/-1.392 χ^2/NDF:55703.7/3

+ sign 3885.371+/-0.850 χ^2/NDF: 785592.9/20

All: 1879.097+/-0.392 χ^2/NDF: 20607023.4/4

- sign 1337.141+/-0.442 χ^2/NDF: 12739377.5/22

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 5586.442+/-2056.001 χ^2/NDF:2.4/4

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

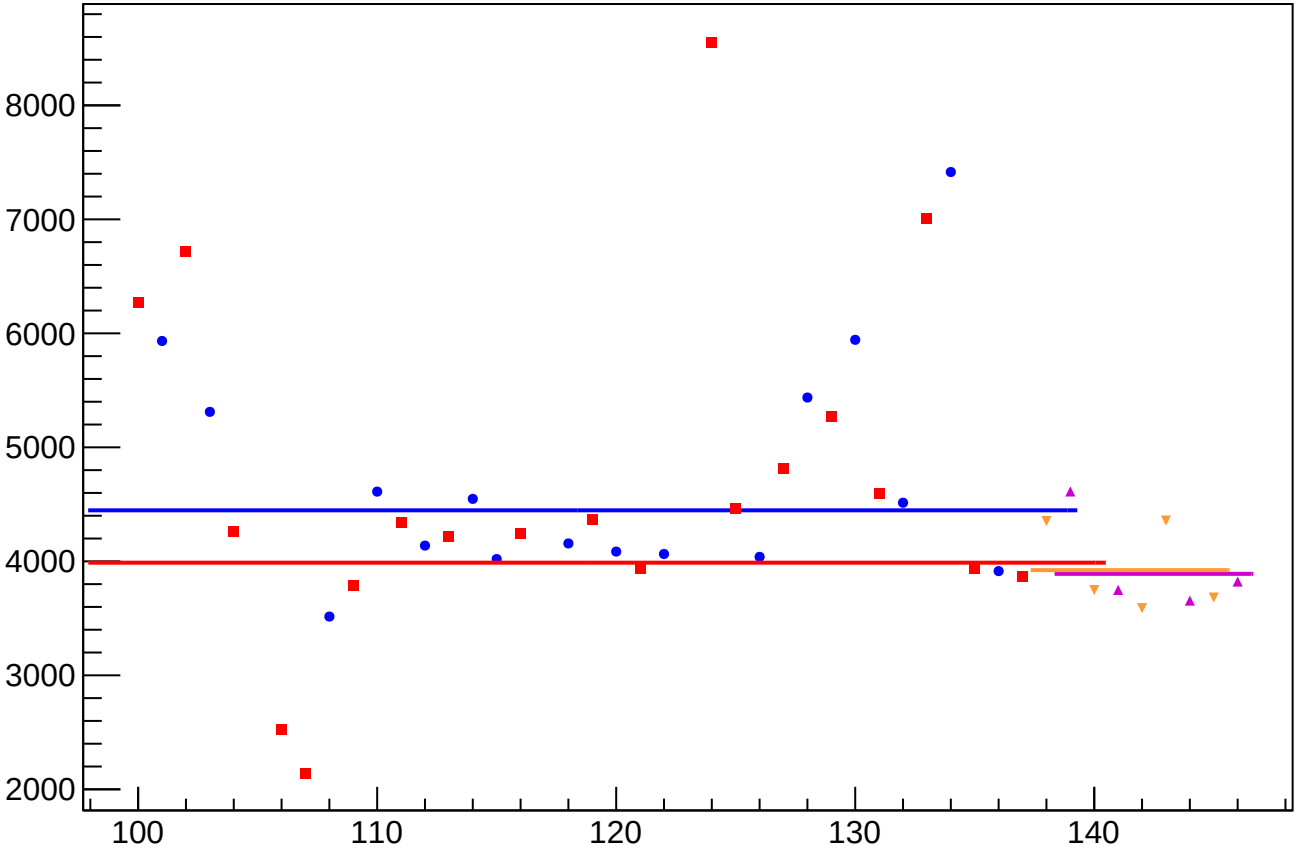
Left In: 364.981+/-2081.884 χ^2/NDF:4.6/3

+ sign 835.427+/-1303.143 χ^2/NDF: 26.9/20

All: 777.931+/-898.935 χ^2/NDF: 42.2/43

- sign 725.732+/-1241.657 χ^2/NDF: 15.3/22

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3922.645+/-1.454 χ^2/NDF:49341.1/4

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

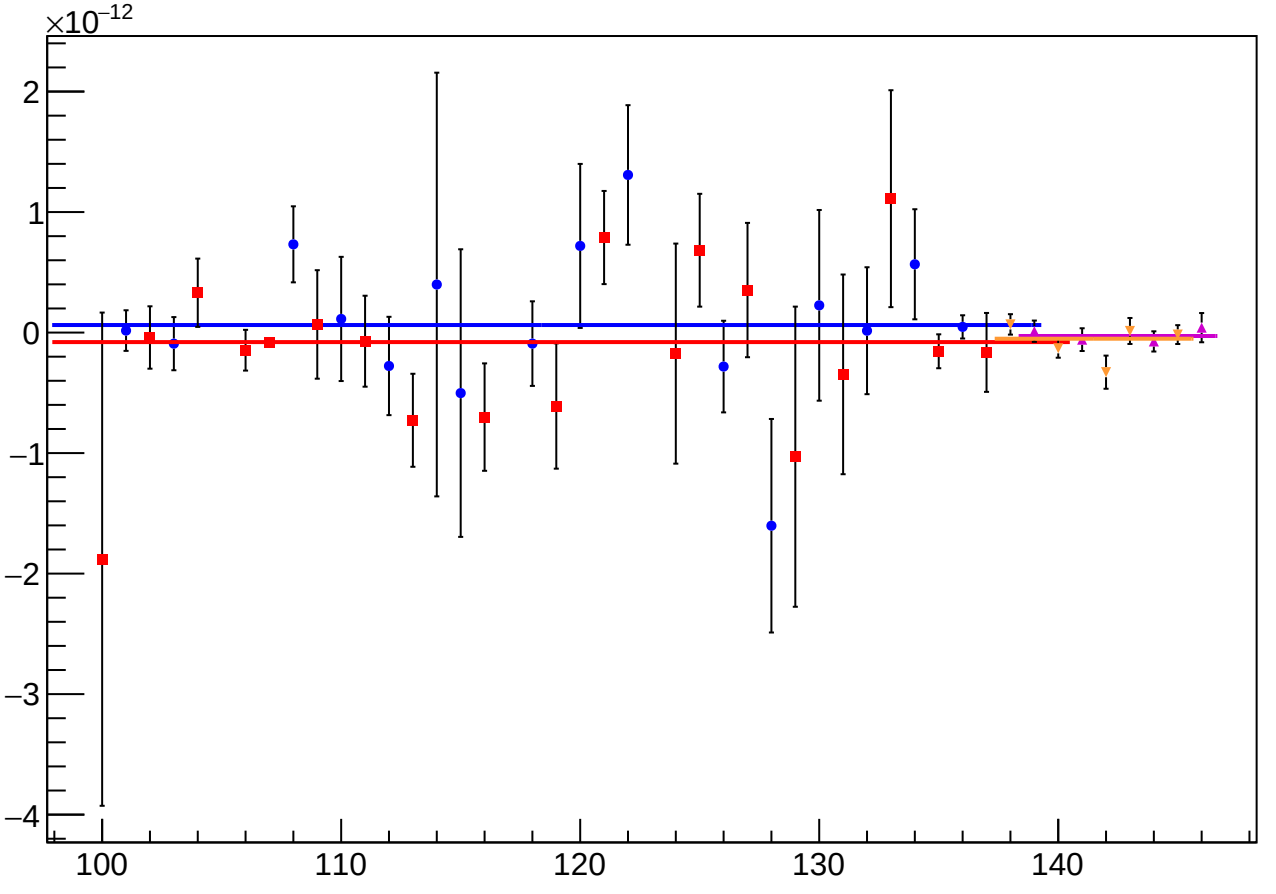
Left In: 3890.346+/-1.472 χ^2/NDF:51920.8/3

+ sign 4236.603+/-0.921 χ^2/NDF: 585545.0/20

All: 4087.501+/-0.633 χ^2/NDF: 1833916.5/43

- sign 3953.870+/-0.872 χ^2/NDF: 1198723.0/22

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:7.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

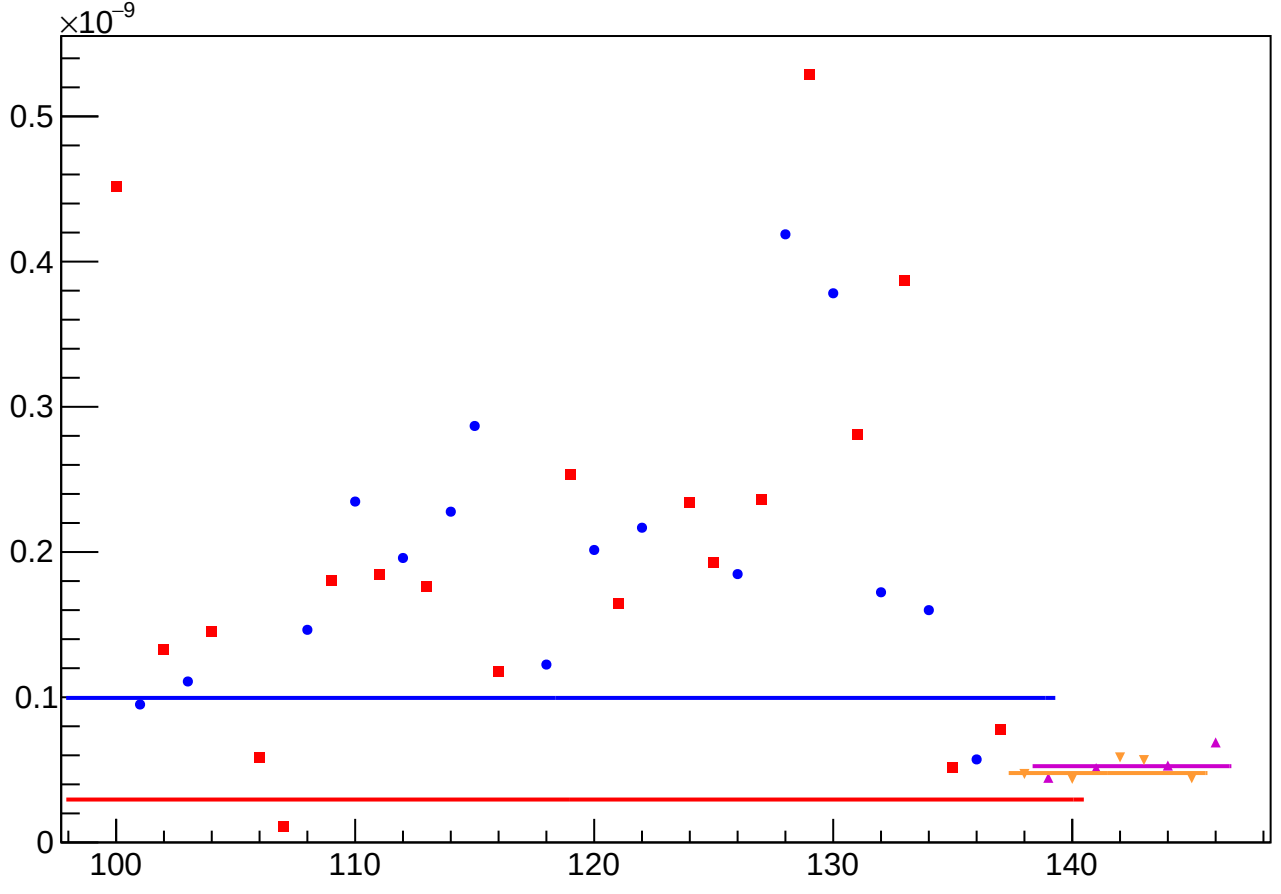
Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/20

All: -0.000+/-0.000 χ^2/NDF: 49.7/43

- sign -0.000+/-0.000 χ^2/NDF: 21.7/22

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:35513.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

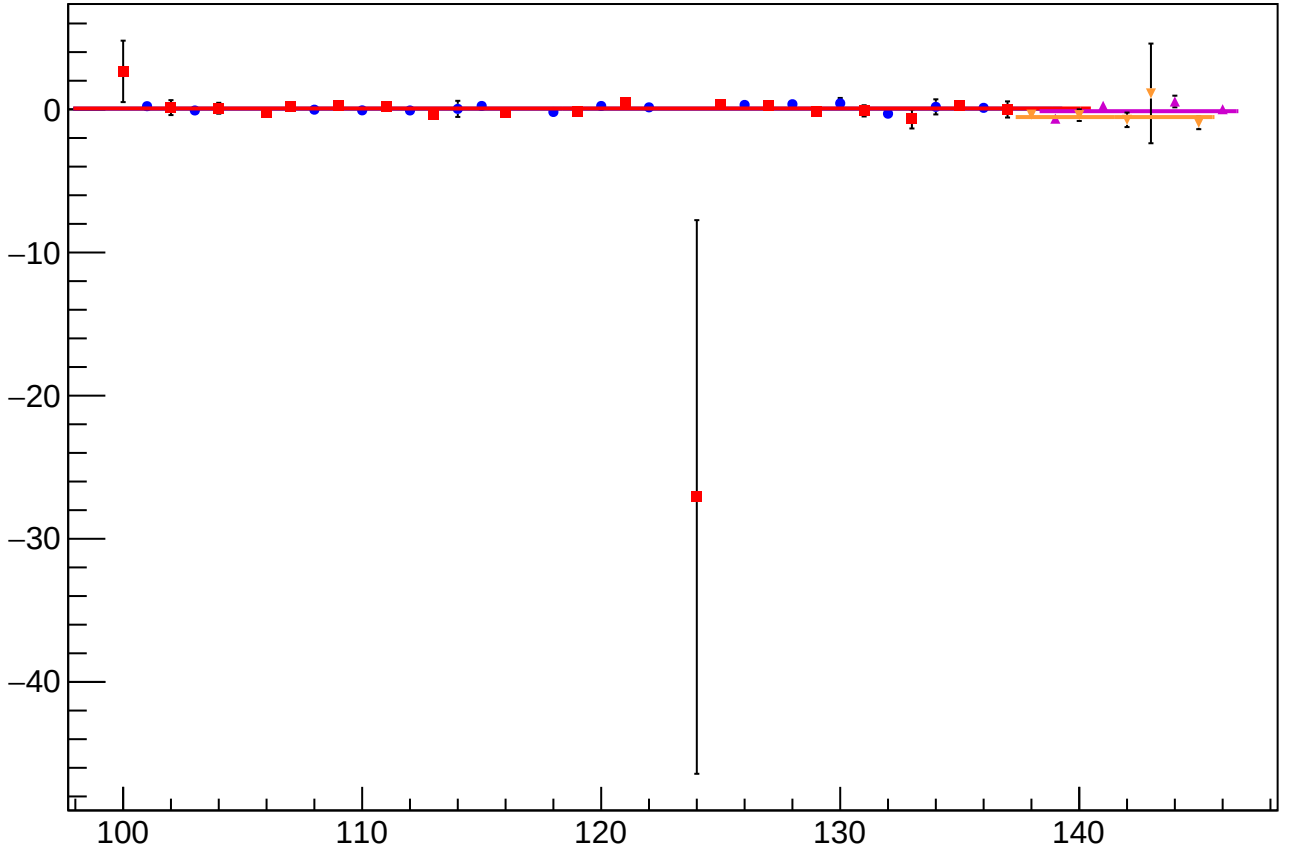
Left In: 0.000+/-0.000 χ^2/NDF:53263.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2449511.8/20

All: 0.000+/-0.000 χ^2/NDF: 7781839.8/43

- sign 0.000+/-0.000 χ^2/NDF: 4734230.9/22

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.538+/-0.199 χ^2/NDF:1.6/4

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

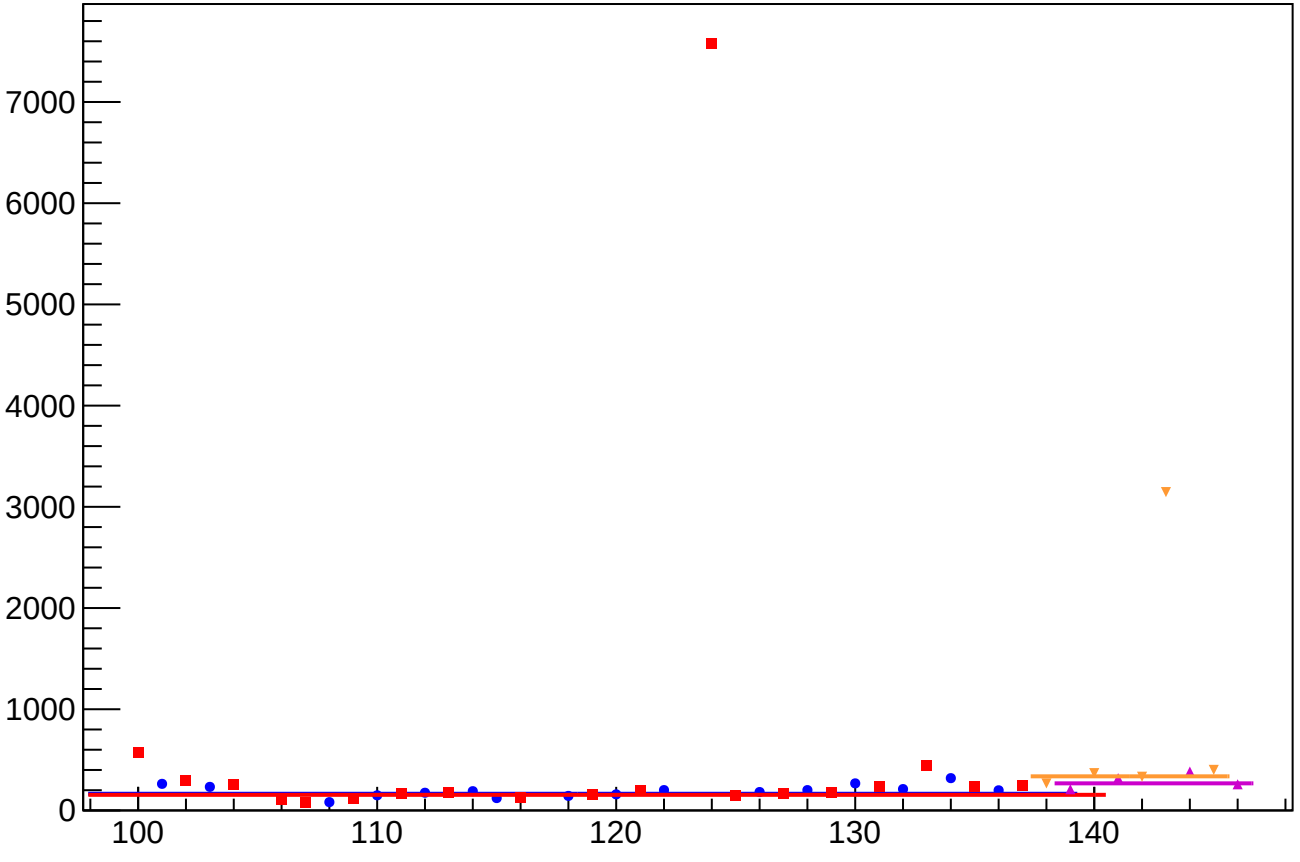
Left In: -0.128+/-0.149 χ^2/NDF:9.0/3

+ sign -0.011+/-0.063 χ^2/NDF: 17.0/20

All: 0.012+/-0.043 χ^2/NDF: 46.0/43

- sign 0.032+/-0.059 χ^2/NDF: 28.8/22

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 337.160+/-0.140 χ^2/NDF:1454578.7/4

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

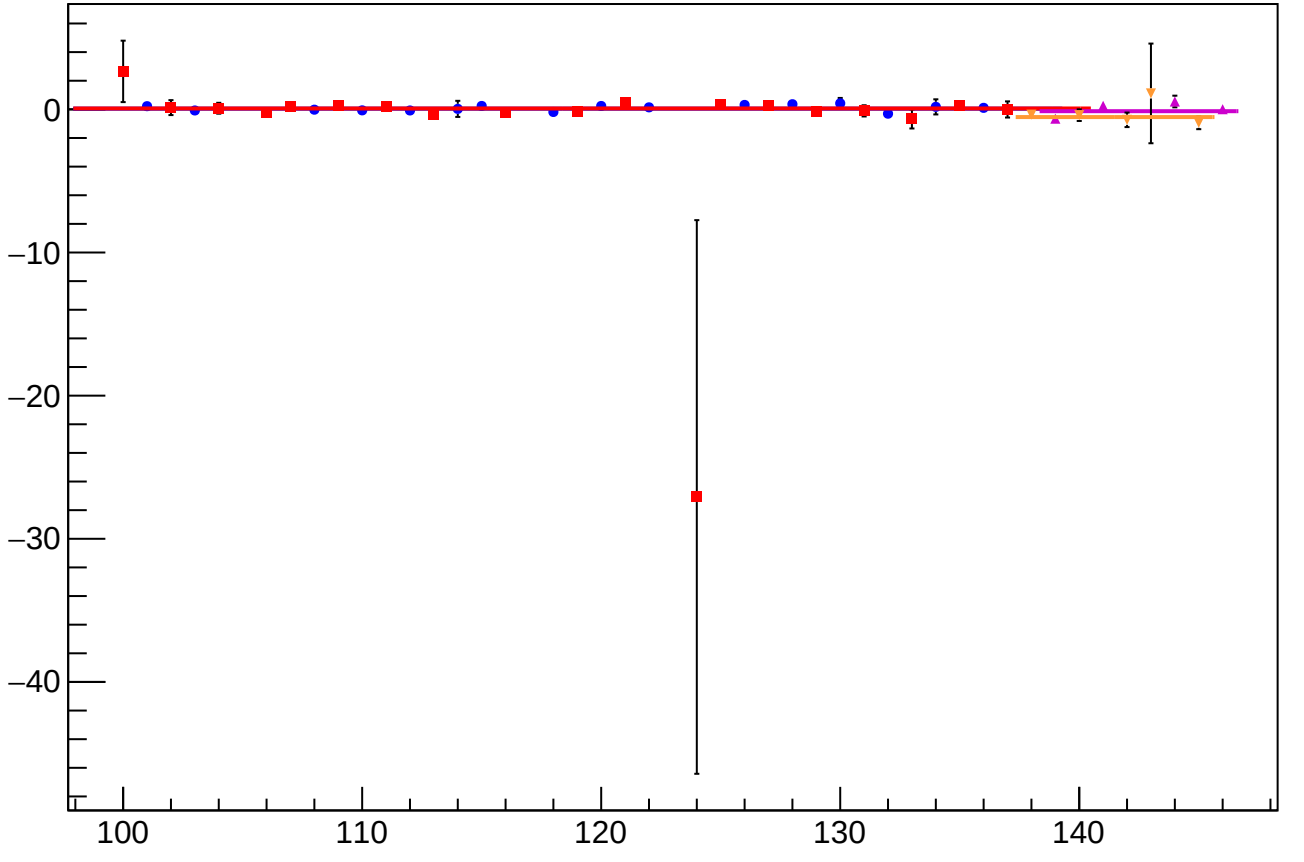
Left In: 267.836+/-0.105 χ^2/NDF:330122.1/3

+ sign 182.179+/-0.045 χ^2/NDF: 4282527.0/20

All: 176.934+/-0.030 χ^2/NDF: 7540758.3/43

- sign 172.316+/-0.042 χ^2/NDF: 3232144.4/22

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: -0.538+/-0.199 χ^2/NDF:1.6/4

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

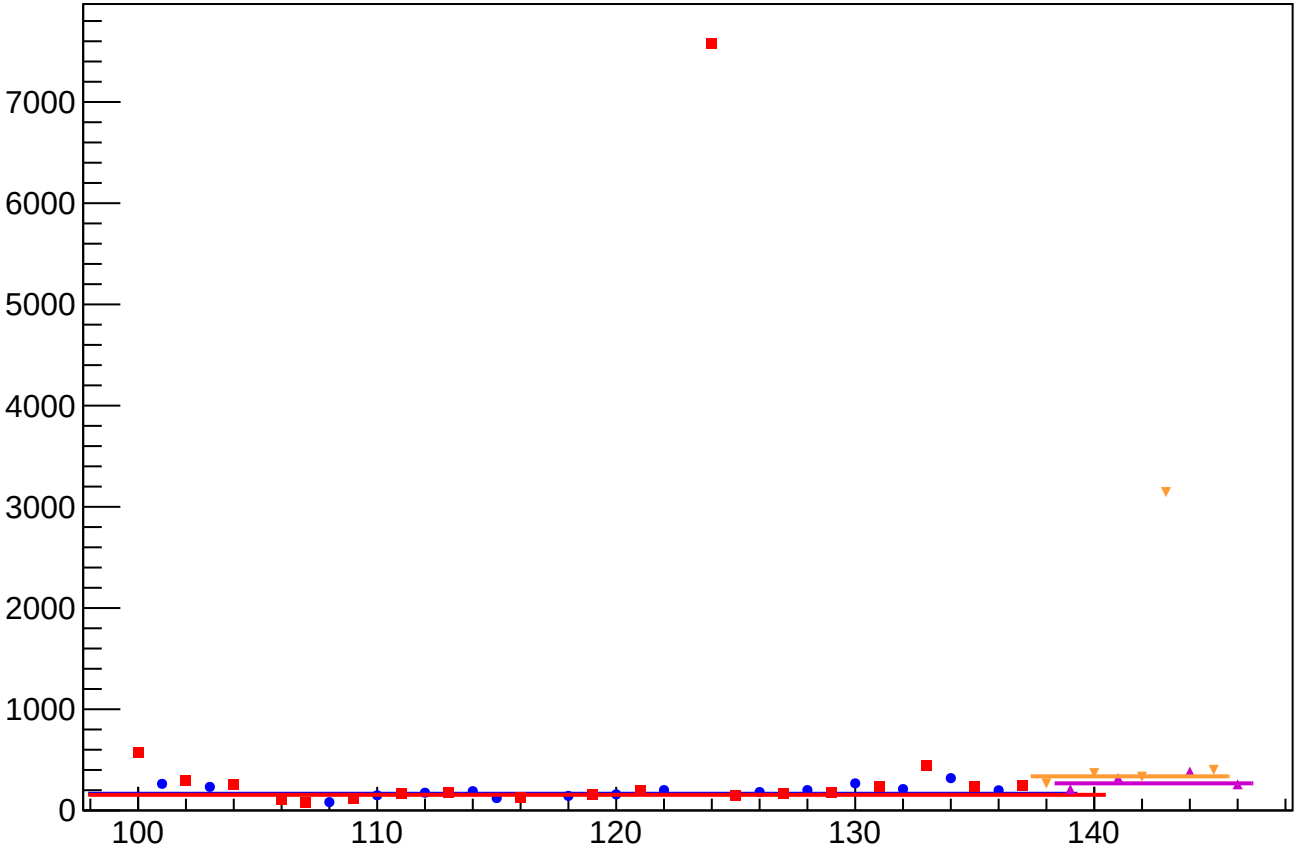
Left In: -0.128+/-0.149 χ^2/NDF:9.0/3

+ sign -0.011+/-0.063 χ^2/NDF: 17.0/20

All: 0.012+/-0.043 χ^2/NDF: 46.0/43

- sign 0.032+/-0.059 χ^2/NDF: 28.8/22

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: 337.160+/-0.140 χ^2/NDF:1454578.7/4

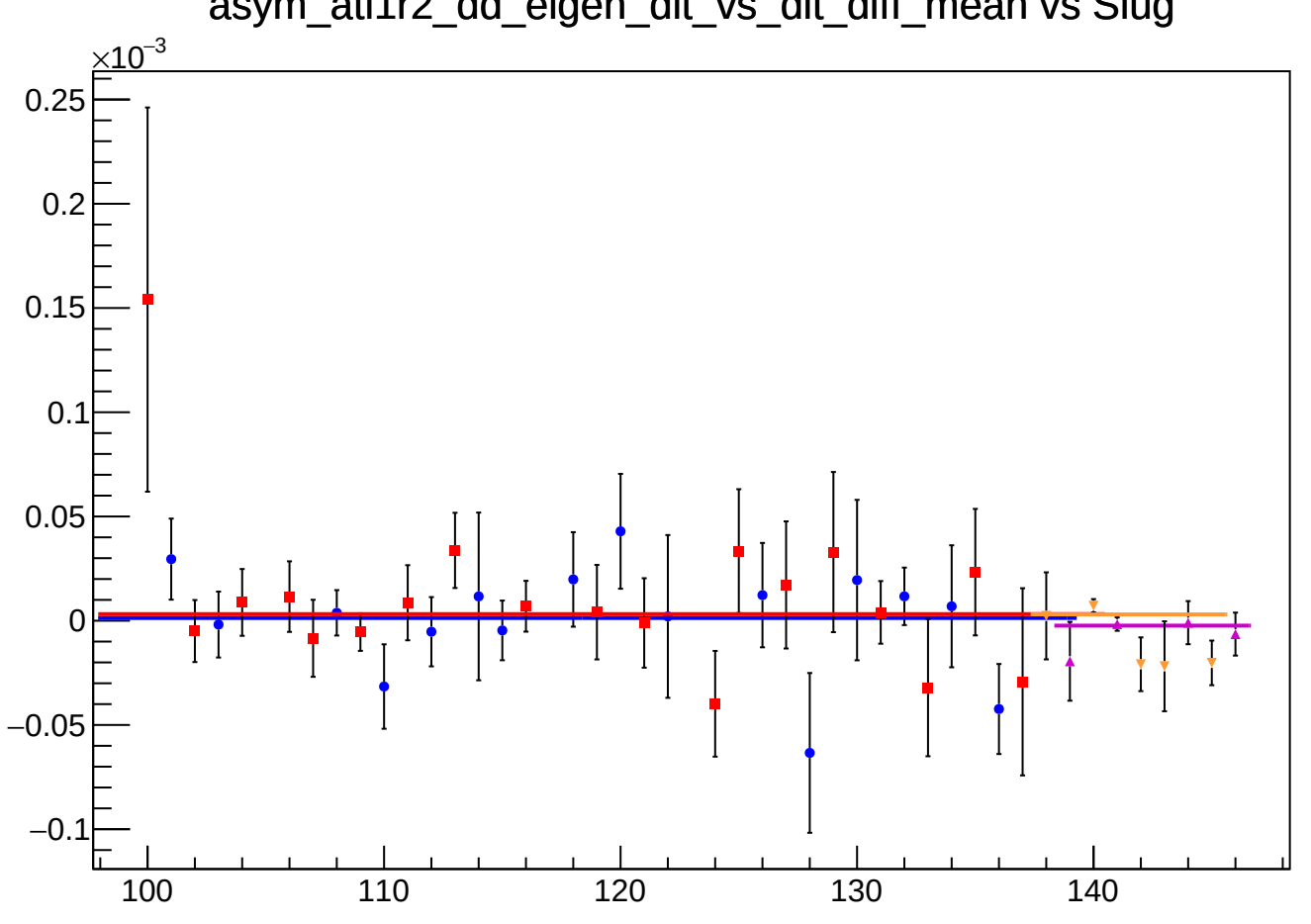
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.836+/-0.105 χ^2/NDF:330122.1/3

+ sign 182.179+/-0.045 χ^2/NDF: 4282527.0/20

All: 176.934+/-0.030 χ^2/NDF: 7540758.3/43

- sign 172.316+/-0.042 χ^2/NDF: 3232144.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/4

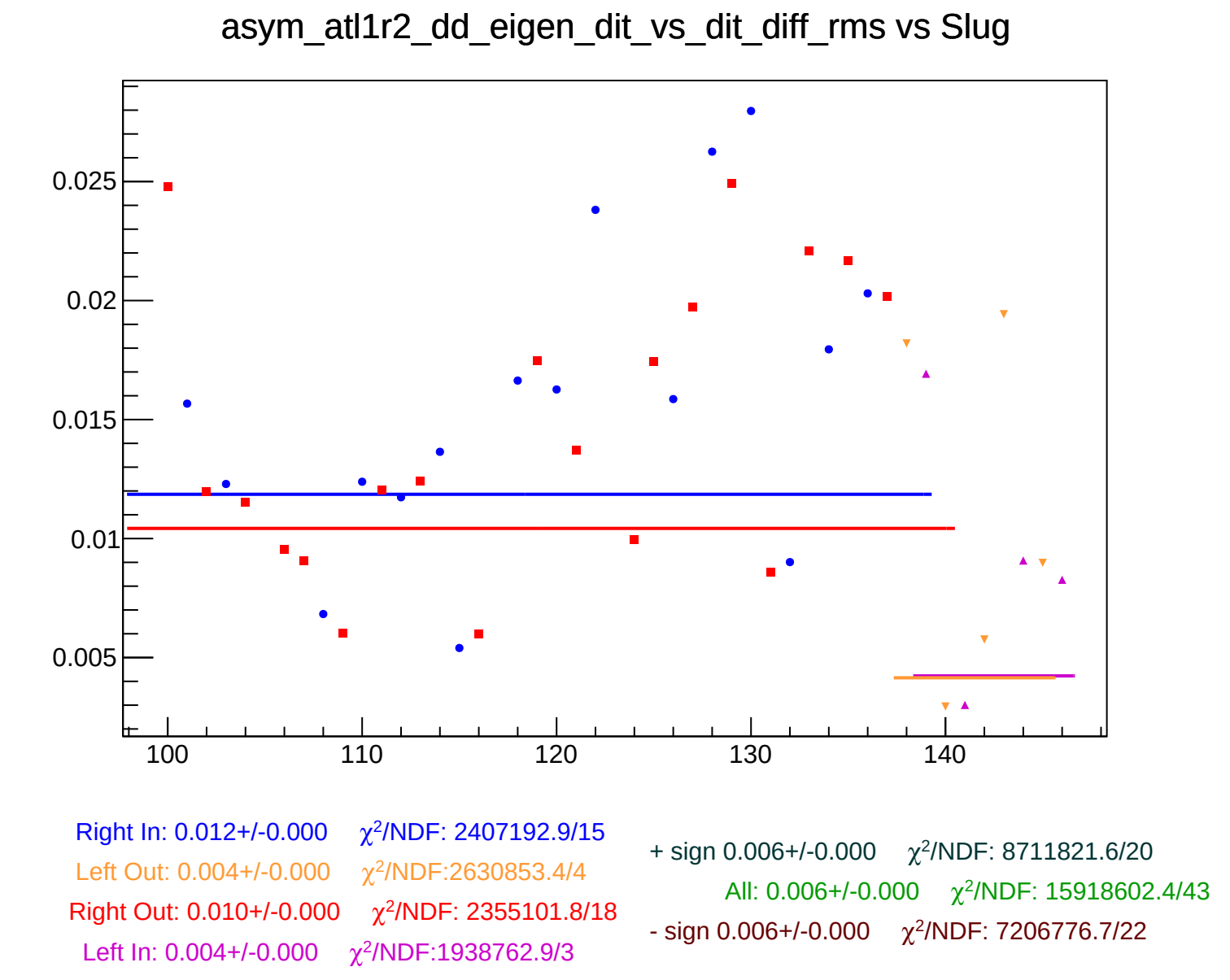
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

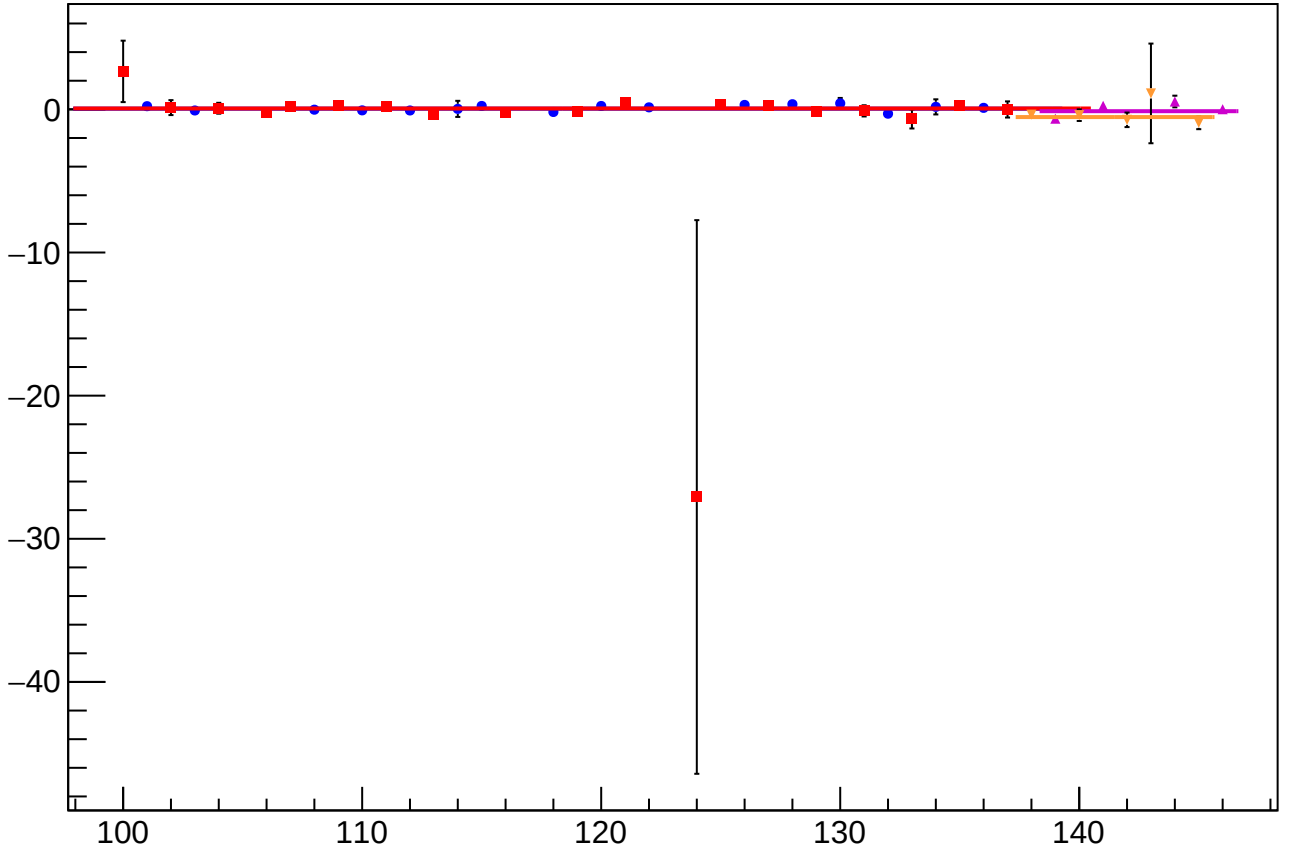
+ sign 0.000+/-0.000 χ^2/NDF: 27.4/20

All: 0.000+/-0.000 χ^2/NDF: 45.0/43

- sign -0.000+/-0.000 χ^2/NDF: 16.8/22


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
Right In: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.004+/-0.000 χ²/NDF:2630853.4/4
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.004+/-0.000 χ²/NDF:1938762.9/3
+ sign 0.006+/-0.000 χ²/NDF: 8711821.6/20
All: 0.006+/-0.000 χ²/NDF: 15918602.4/43
- sign 0.006+/-0.000 χ²/NDF: 7206776.7/22

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.538+/-0.199 χ^2/NDF:1.6/4

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

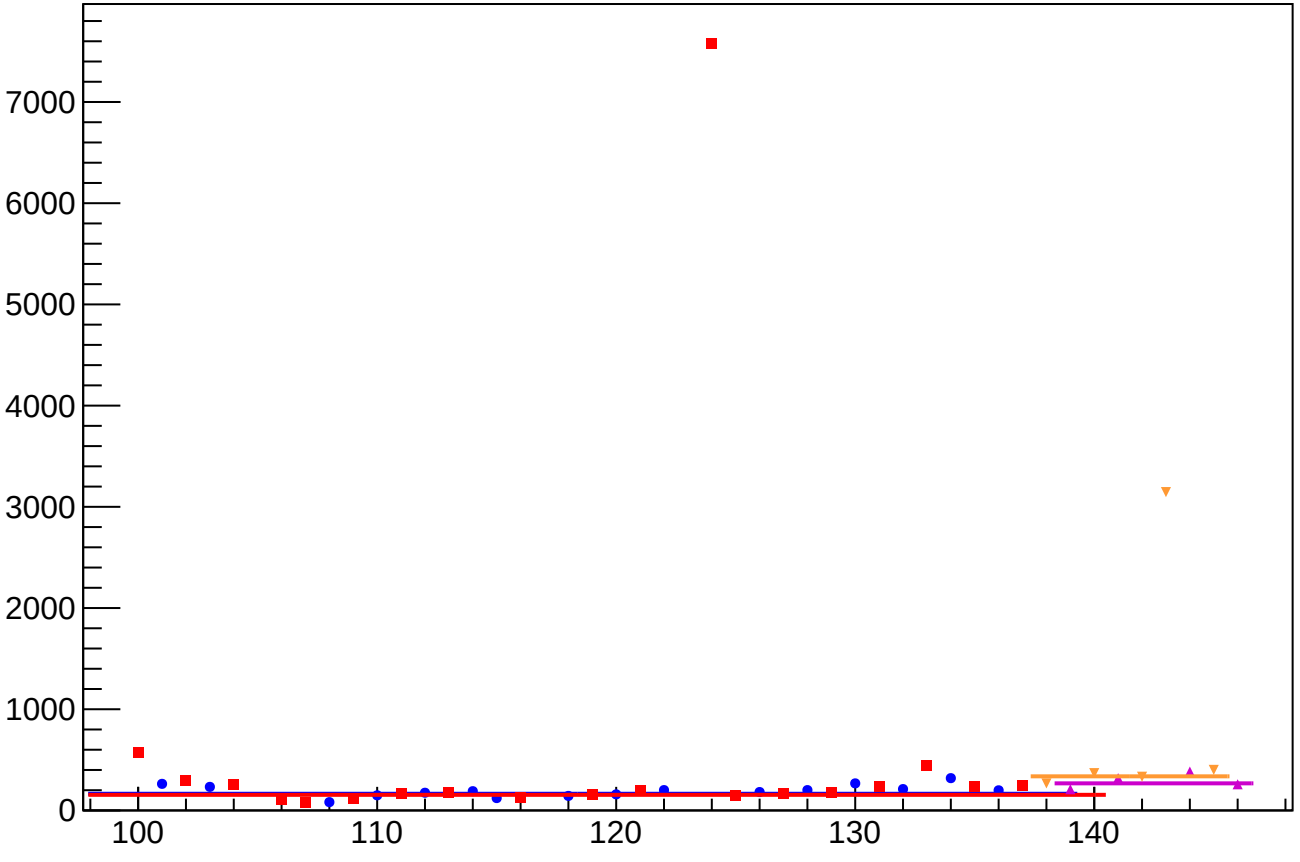
Left In: -0.128+/-0.149 χ^2/NDF:9.0/3

+ sign -0.011+/-0.063 χ^2/NDF: 17.0/20

All: 0.012+/-0.043 χ^2/NDF: 46.0/43

- sign 0.032+/-0.059 χ^2/NDF: 28.8/22

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: 337.164+/-0.140 χ^2/NDF:1454566.1/4

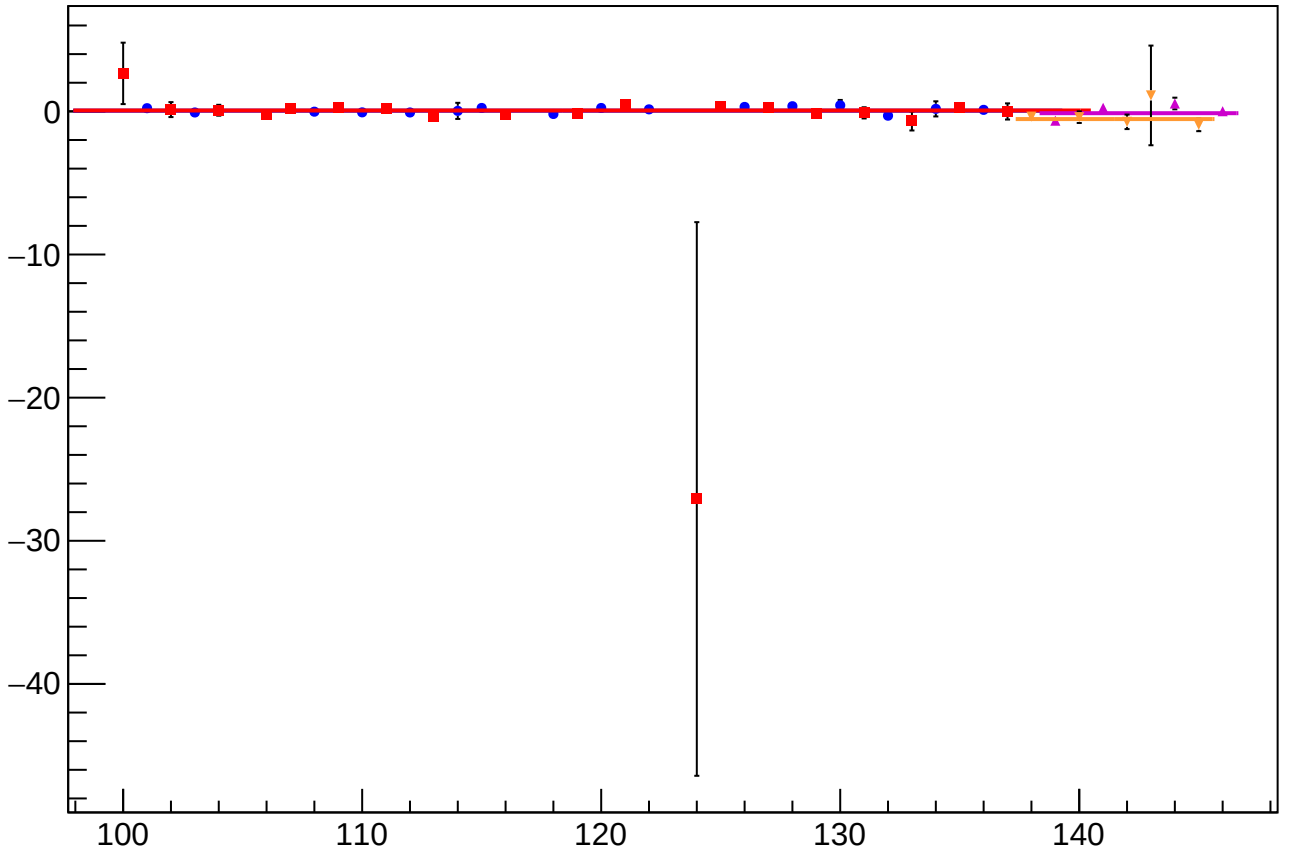
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.839+/-0.105 χ^2/NDF:330108.3/3

+ sign 182.179+/-0.045 χ^2/NDF: 4282528.4/20

All: 176.934+/-0.030 χ^2/NDF: 7540812.2/43

- sign 172.316+/-0.042 χ^2/NDF: 3232197.4/22



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.538+/-0.199 χ^2/NDF:1.6/4

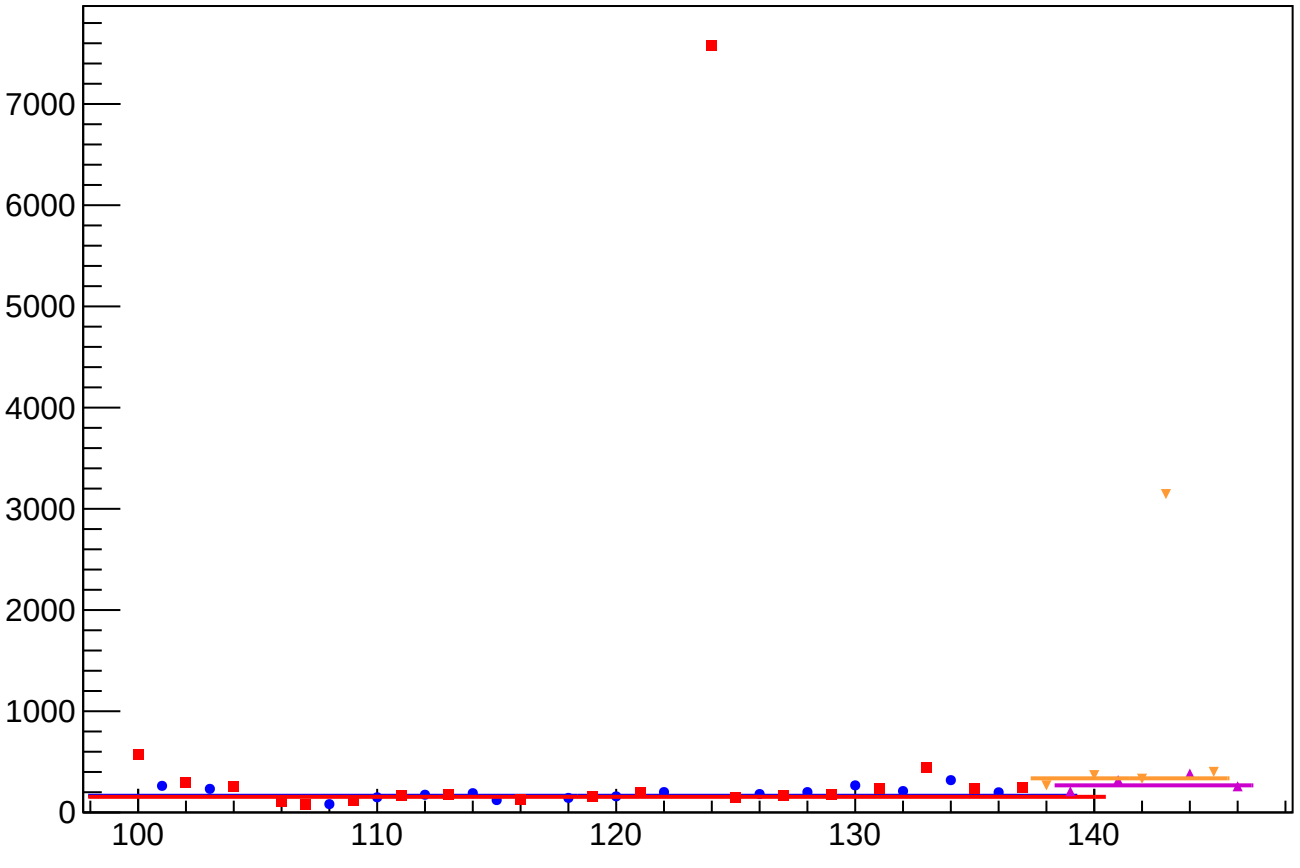
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.128+/-0.149 χ^2/NDF:9.0/3

+ sign -0.011+/-0.063 χ^2/NDF: 17.0/20

All: 0.012+/-0.043 χ^2/NDF: 46.0/43

- sign 0.032+/-0.059 χ^2/NDF: 28.8/22



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 337.164+/-0.140 χ^2/NDF:1454566.1/4

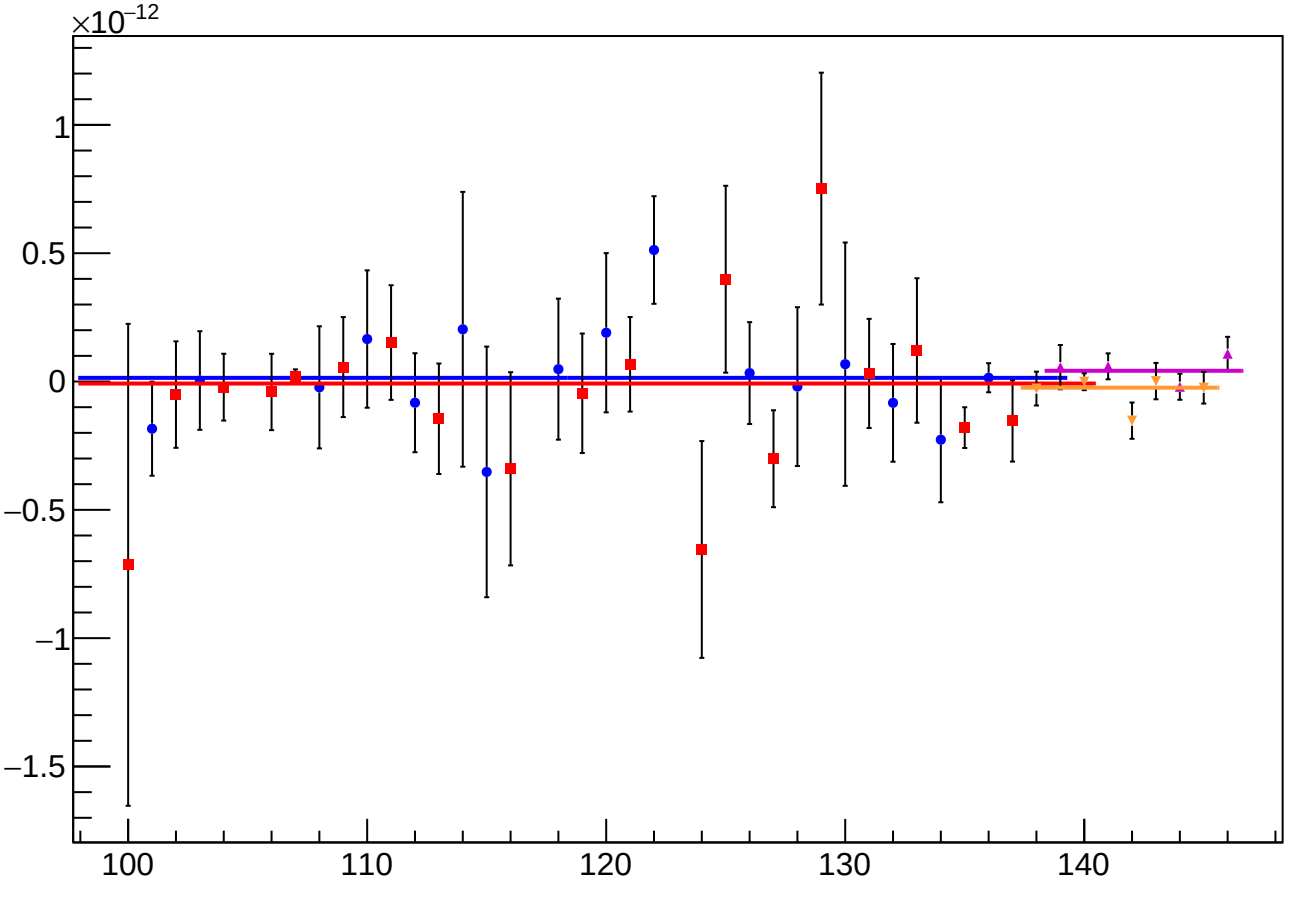
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.839+/-0.105 χ^2/NDF:330108.3/3

+ sign 182.179+/-0.045 χ^2/NDF: 4282528.4/20

All: 176.934+/-0.030 χ^2/NDF: 7540812.2/43

- sign 172.316+/-0.042 χ^2/NDF: 3232197.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/4

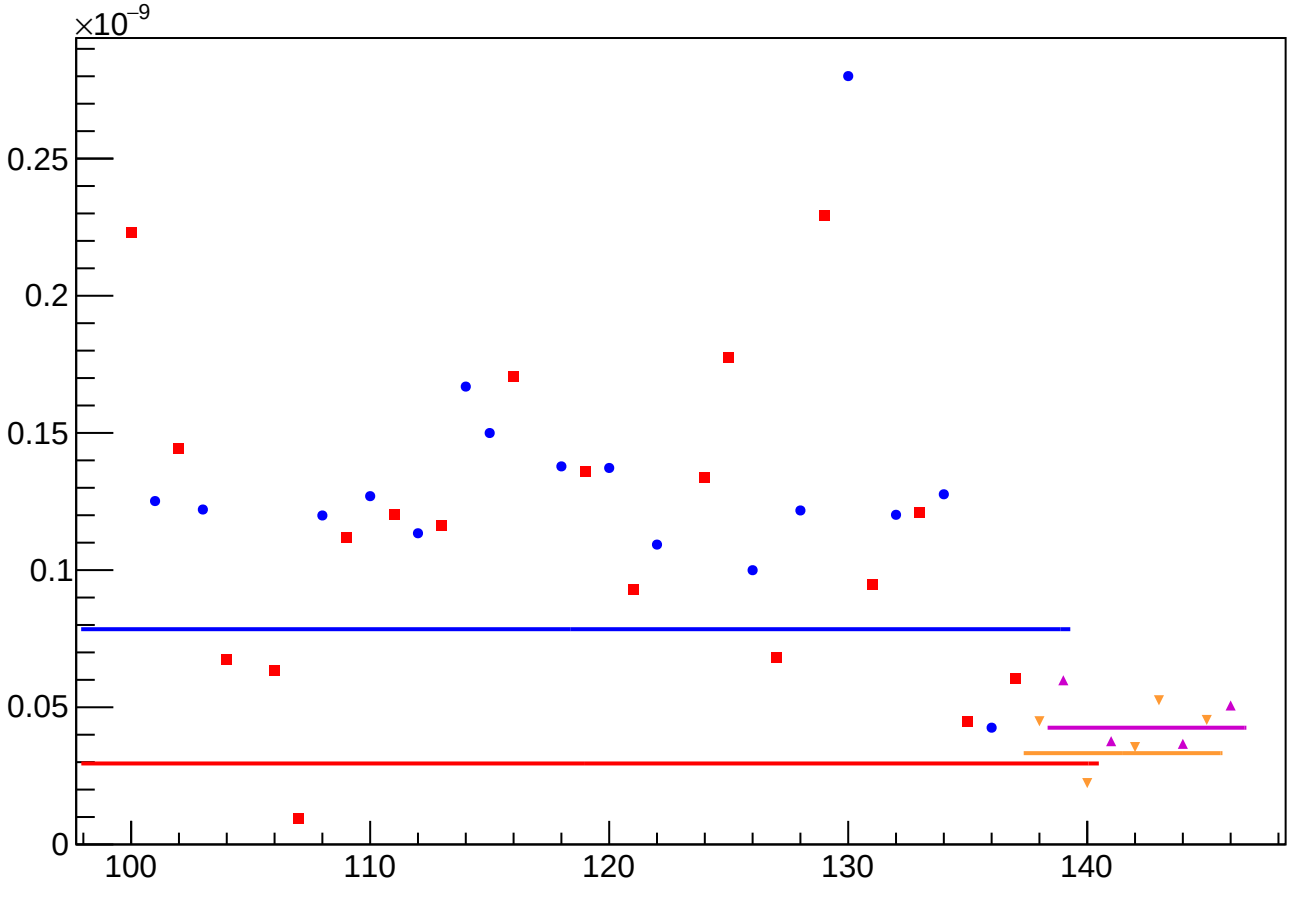
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 14.2/20

All: -0.000+/-0.000 χ^2/NDF: 37.9/43

- sign 0.000+/-0.000 χ^2/NDF: 22.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:510335.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

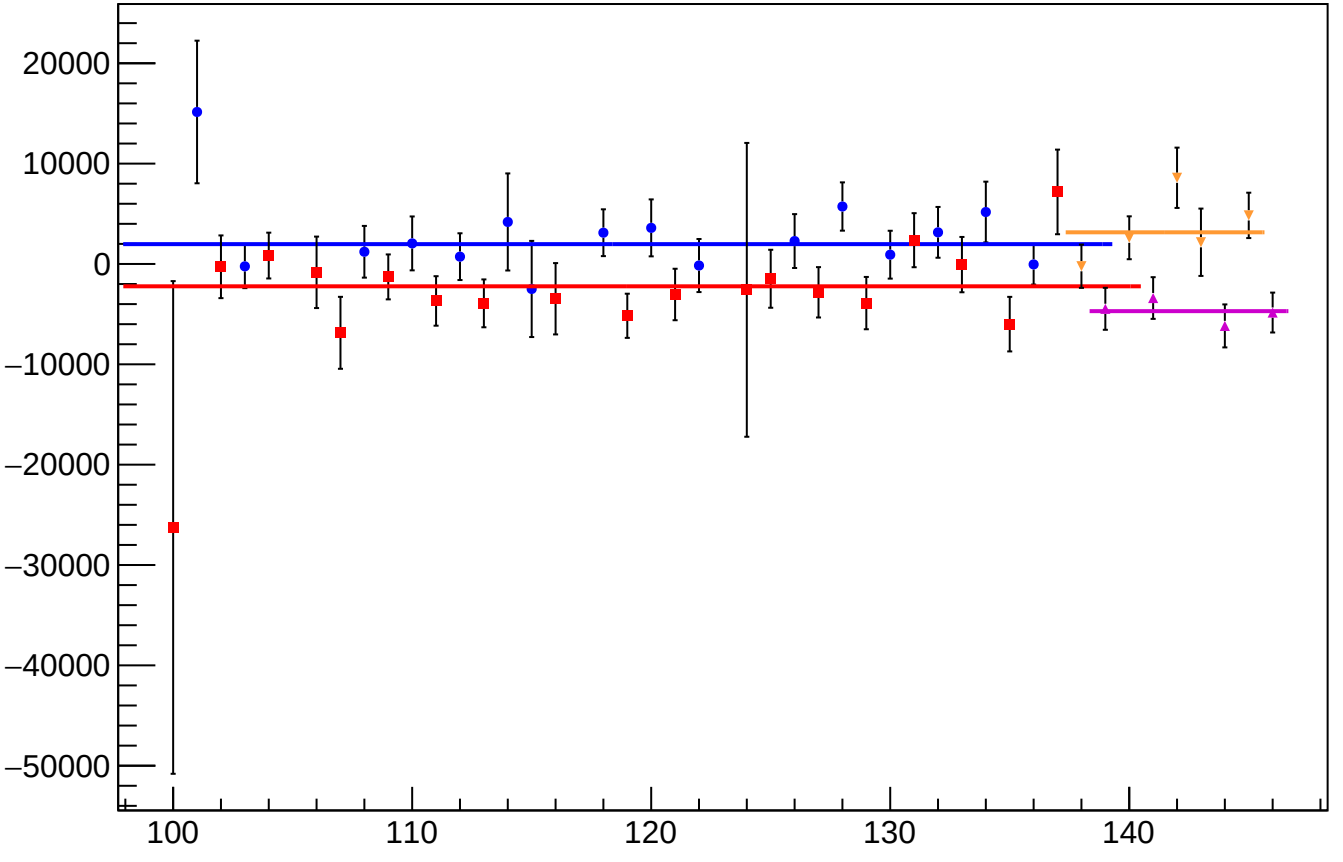
Left In: 0.000+/-0.000 χ^2/NDF:156184.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 4352544.6/20

All: 0.000+/-0.000 χ^2/NDF: 10476277.4/43

- sign 0.000+/-0.000 χ^2/NDF: 5886236.1/22

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 3154.120+/-1098.490 χ^2/NDF:6.4/4

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

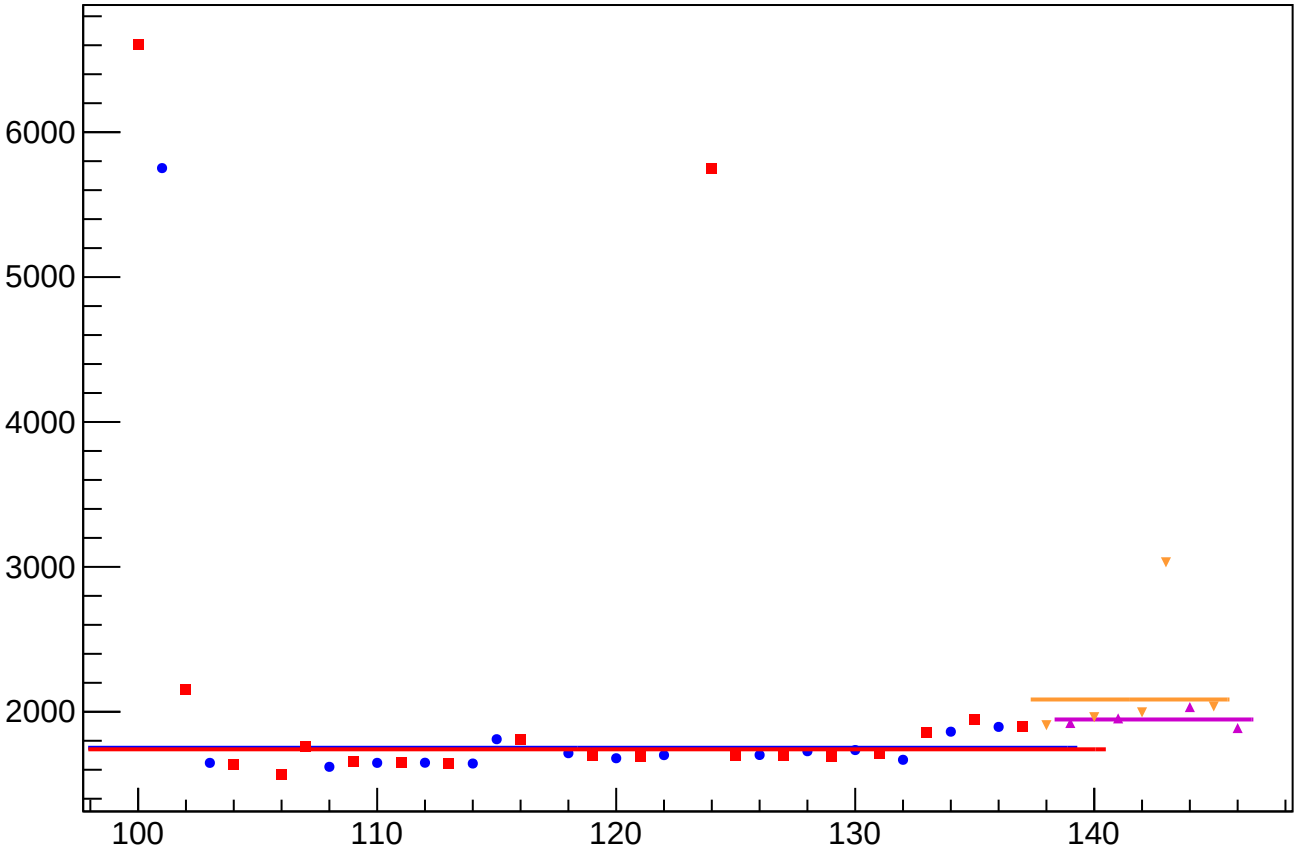
Left In: -4701.293+/-1036.237 χ^2/NDF:0.9/3

+ sign 2294.066+/-570.573 χ^2/NDF: 19.4/20

All: -395.298+/-397.630 χ^2/NDF: 86.5/43

- sign -2934.755+/-554.443 χ^2/NDF: 23.9/22

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 2084.849+/-0.777 χ^2/NDF:181878.7/4

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

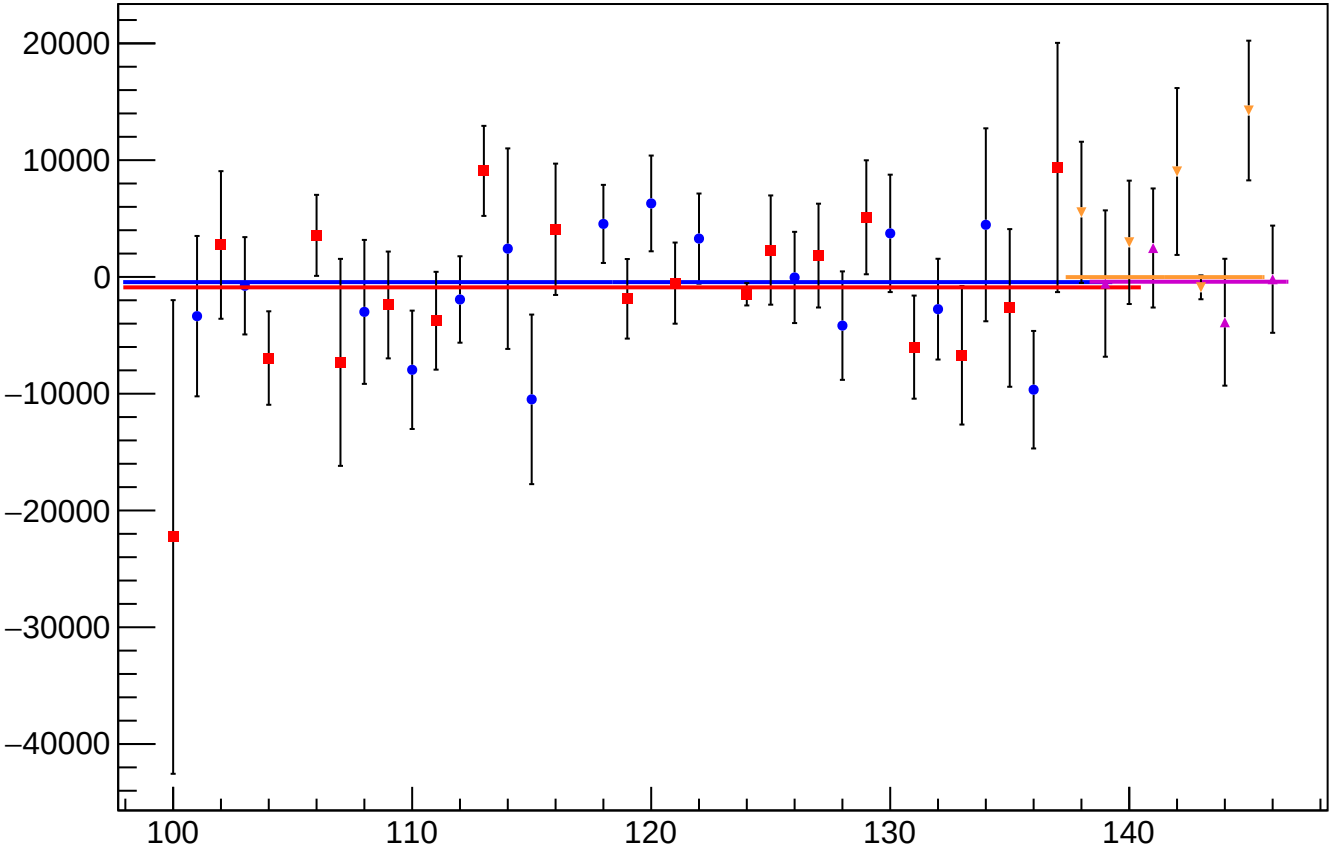
Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

+ sign 1841.513+/-0.403 χ^2/NDF: 986931.9/20

All: 1819.729+/-0.280 χ^2/NDF: 1359083.6/43

- sign 1799.376+/-0.390 χ^2/NDF: 366512.8/22

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -16.512+/-967.927 χ^2/NDF:9.2/4

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

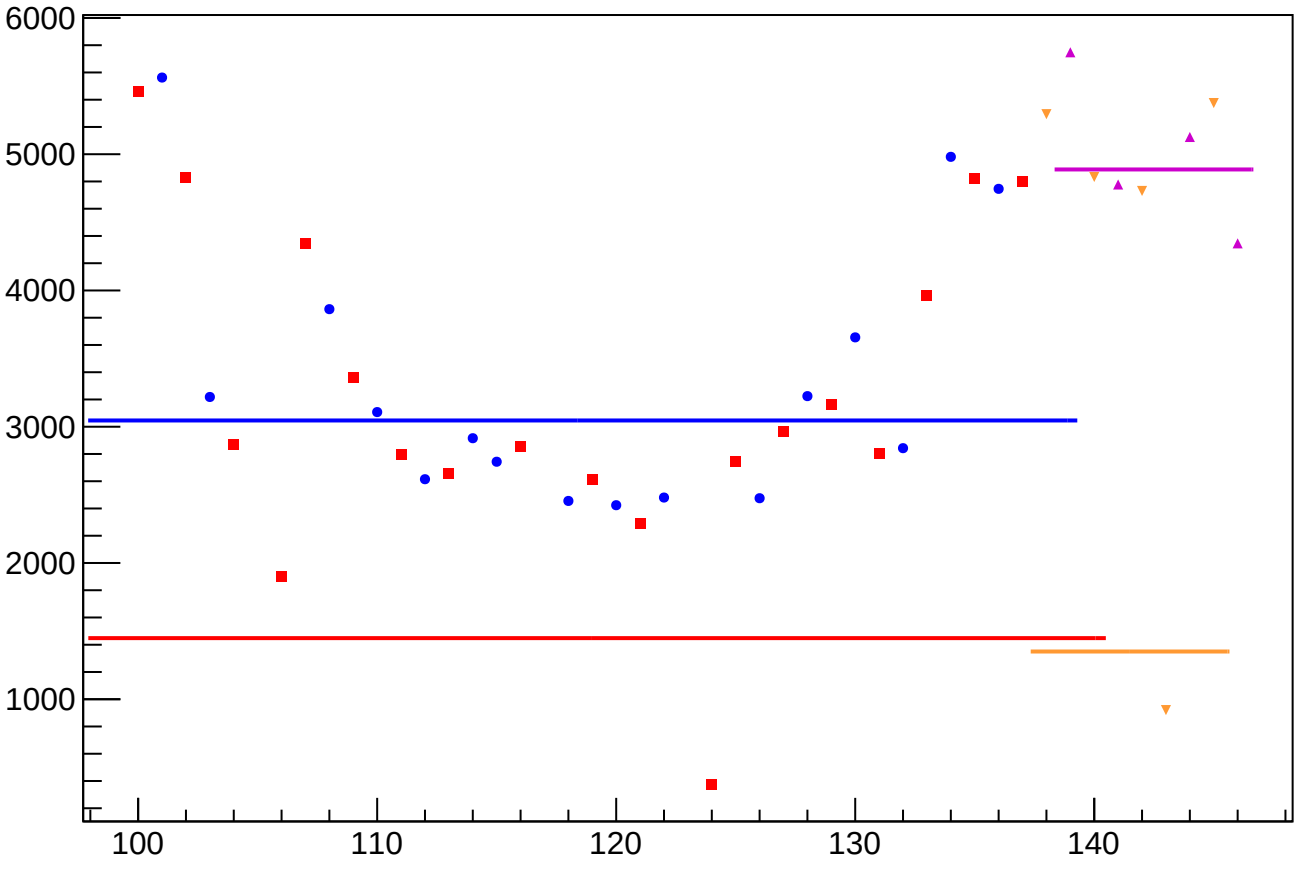
Left In: -411.311+/-2623.727 χ^2/NDF:0.7/3

+ sign -189.537+/-746.943 χ^2/NDF: 25.2/20

All: -545.714+/-510.559 χ^2/NDF: 46.5/43

- sign -858.056+/-699.471 χ^2/NDF: 20.8/22

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1350.312+/-0.684 χ^2/NDF:3426612.4/4

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

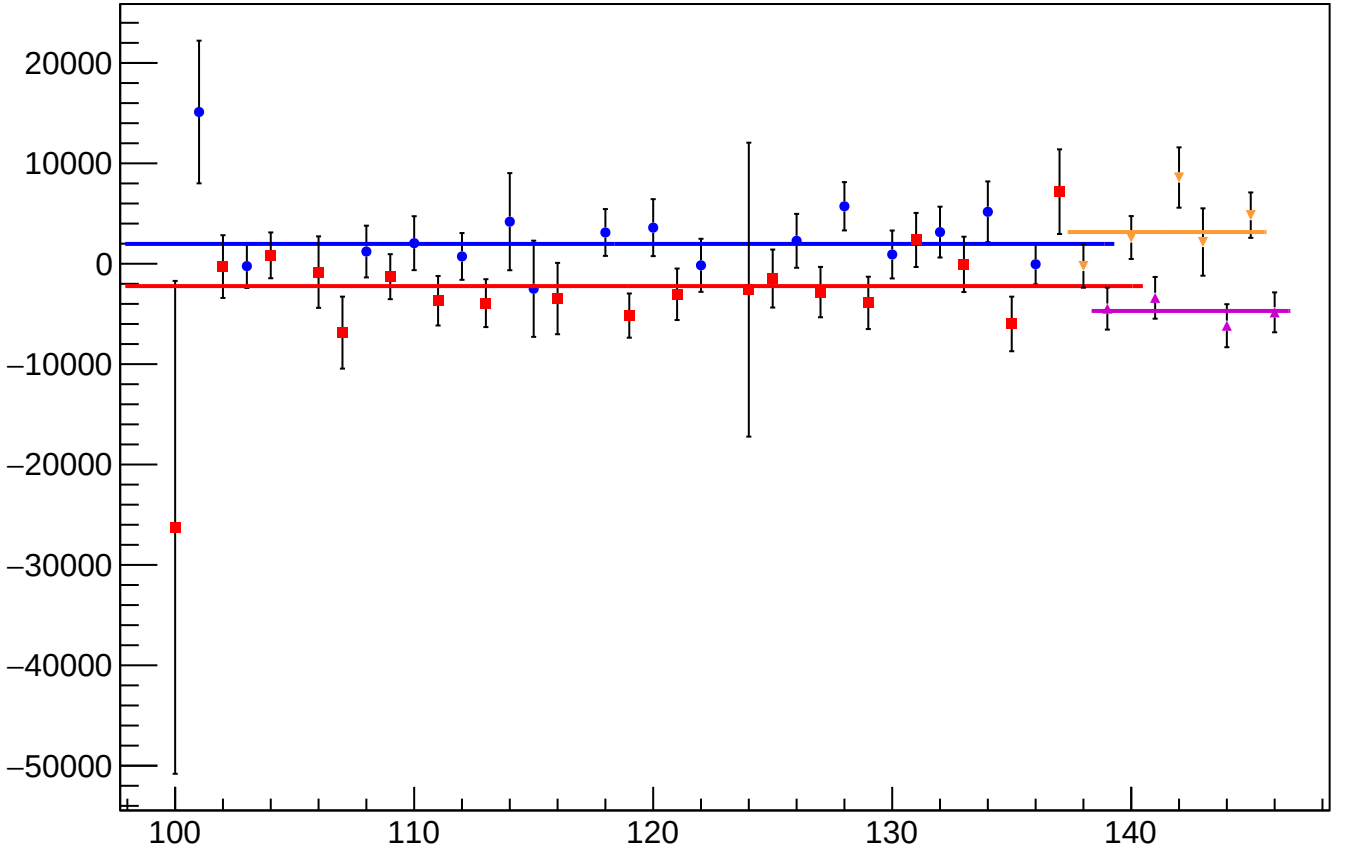
Left In: 4888.101+/-1.855 χ^2/NDF:70363.6/3

+ sign 2036.166+/-0.528 χ^2/NDF: 6816566.9/20

All: 1853.322+/-0.361 χ^2/NDF: 17091700.5/4

- sign 1692.980+/-0.495 χ^2/NDF: 10050193.1/22

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 3154.375+/-1098.490 χ^2/NDF:6.4/4

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

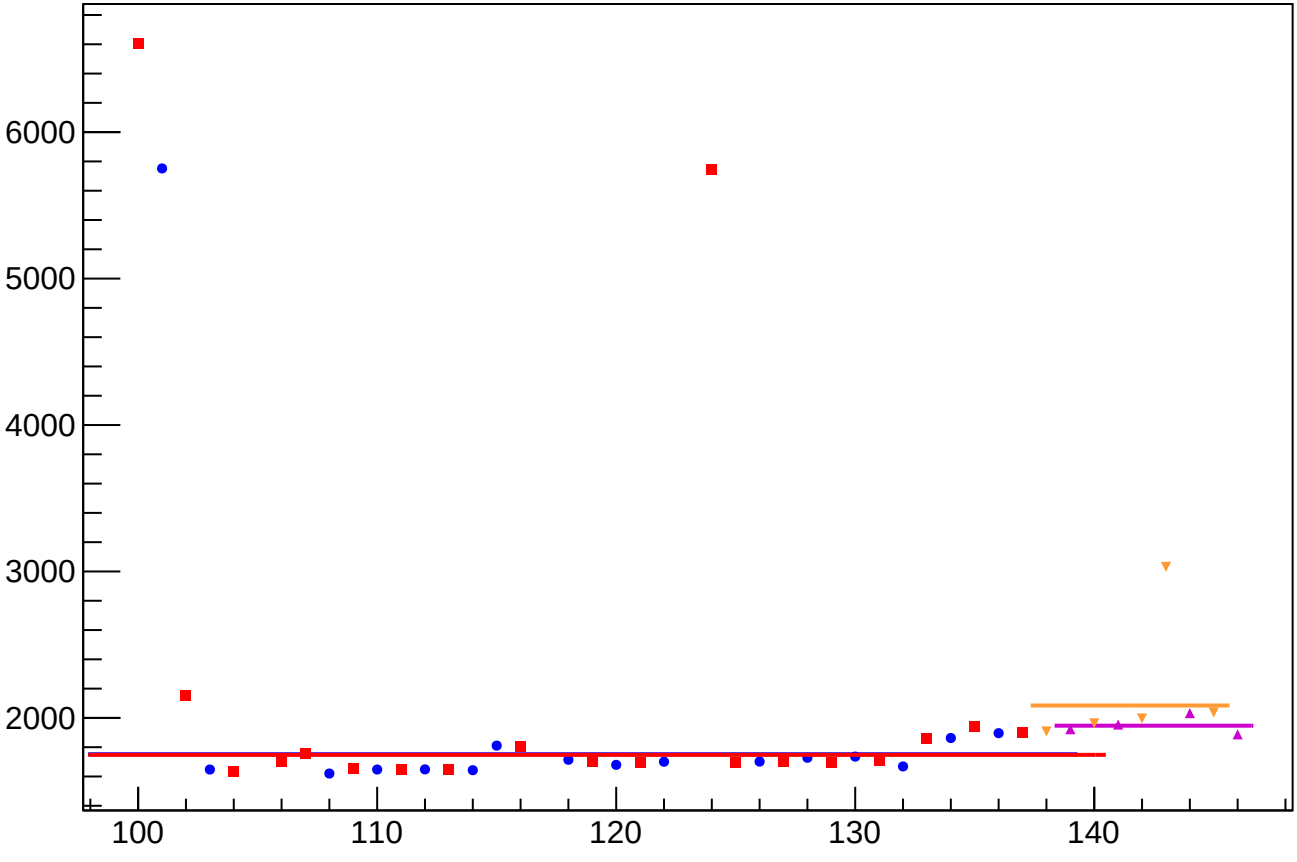
Left In: -4701.481+/-1036.237 χ^2/NDF:0.9/3

+ sign 2293.877+/-570.573 χ^2/NDF: 19.4/20

All: -395.453+/-397.630 χ^2/NDF: 86.5/43

- sign -2934.878+/-554.443 χ^2/NDF: 23.9/22

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2084.849+/-0.777 χ^2/NDF:181878.7/4

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

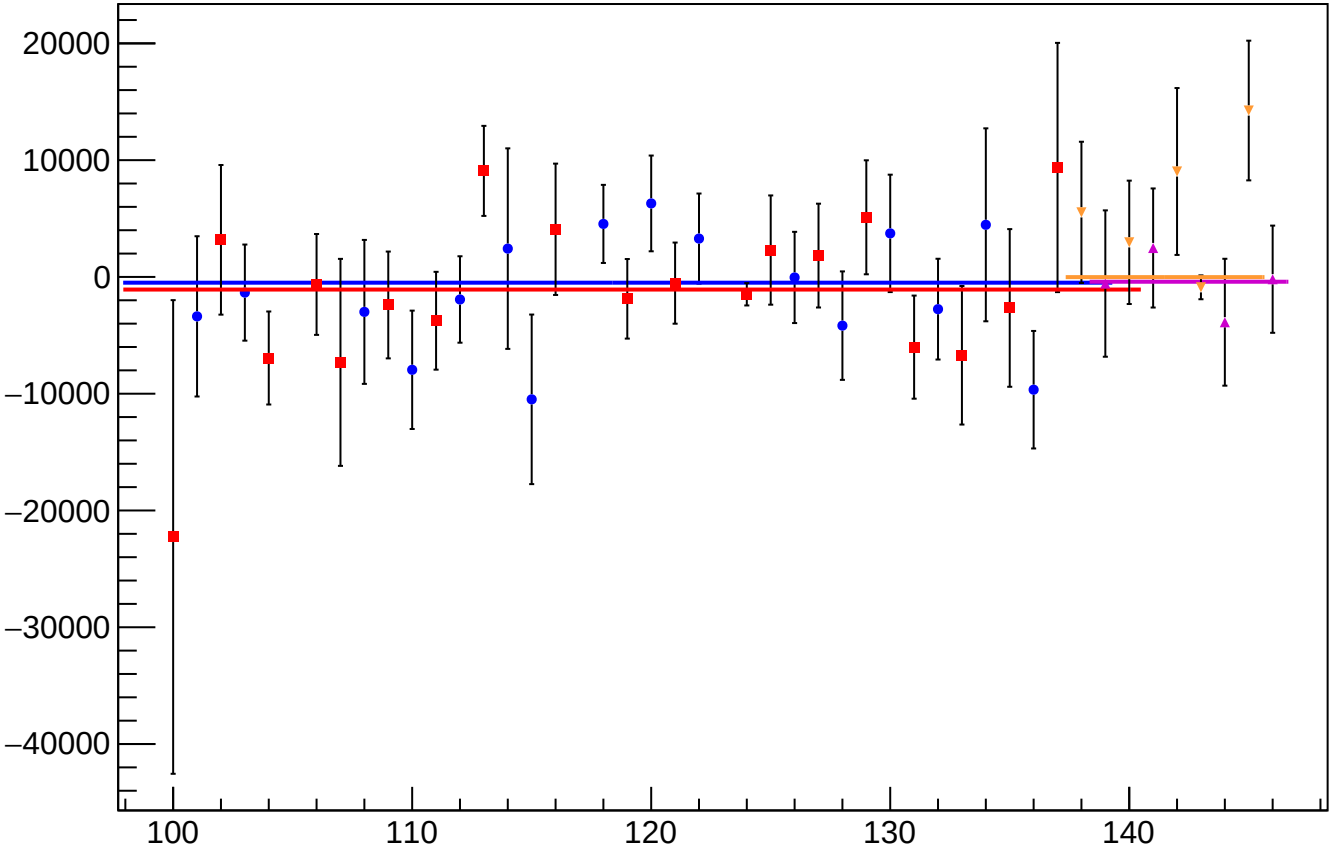
Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

+ sign 1841.513+/-0.403 χ^2/NDF: 986932.4/20

All: 1822.424+/-0.281 χ^2/NDF: 1347298.0/43

- sign 1804.497+/-0.391 χ^2/NDF: 356024.9/22

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -16.282+/-967.892 χ^2/NDF:9.2/4

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

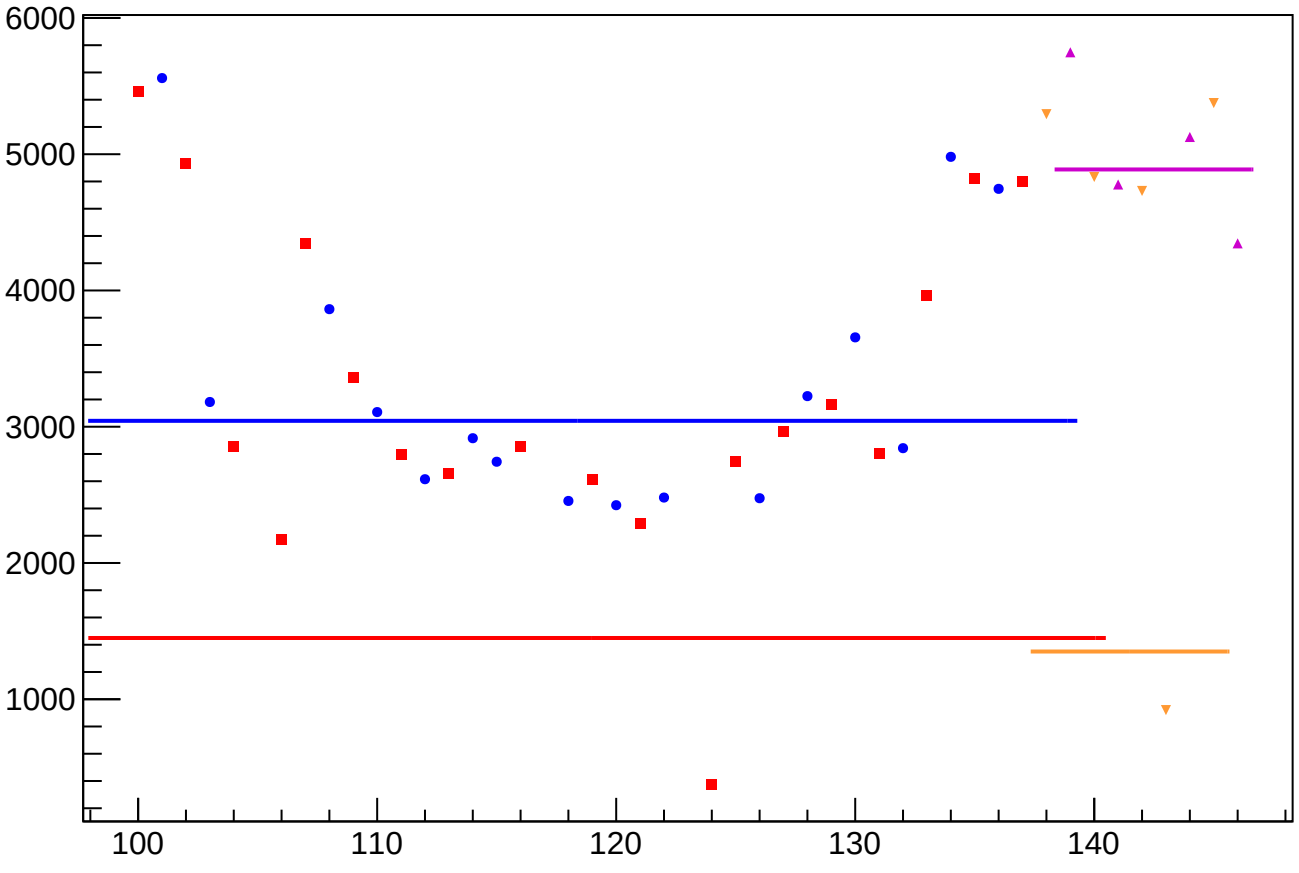
Left In: -411.287+/-2623.728 χ^2/NDF:0.7/3

+ sign -209.304+/-746.615 χ^2/NDF: 25.2/20

All: -644.791+/-512.433 χ^2/NDF: 45.1/43

- sign -1032.632+/-704.590 χ^2/NDF: 19.3/22

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1350.246+/-0.684 χ^2/NDF:3426699.9/4

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

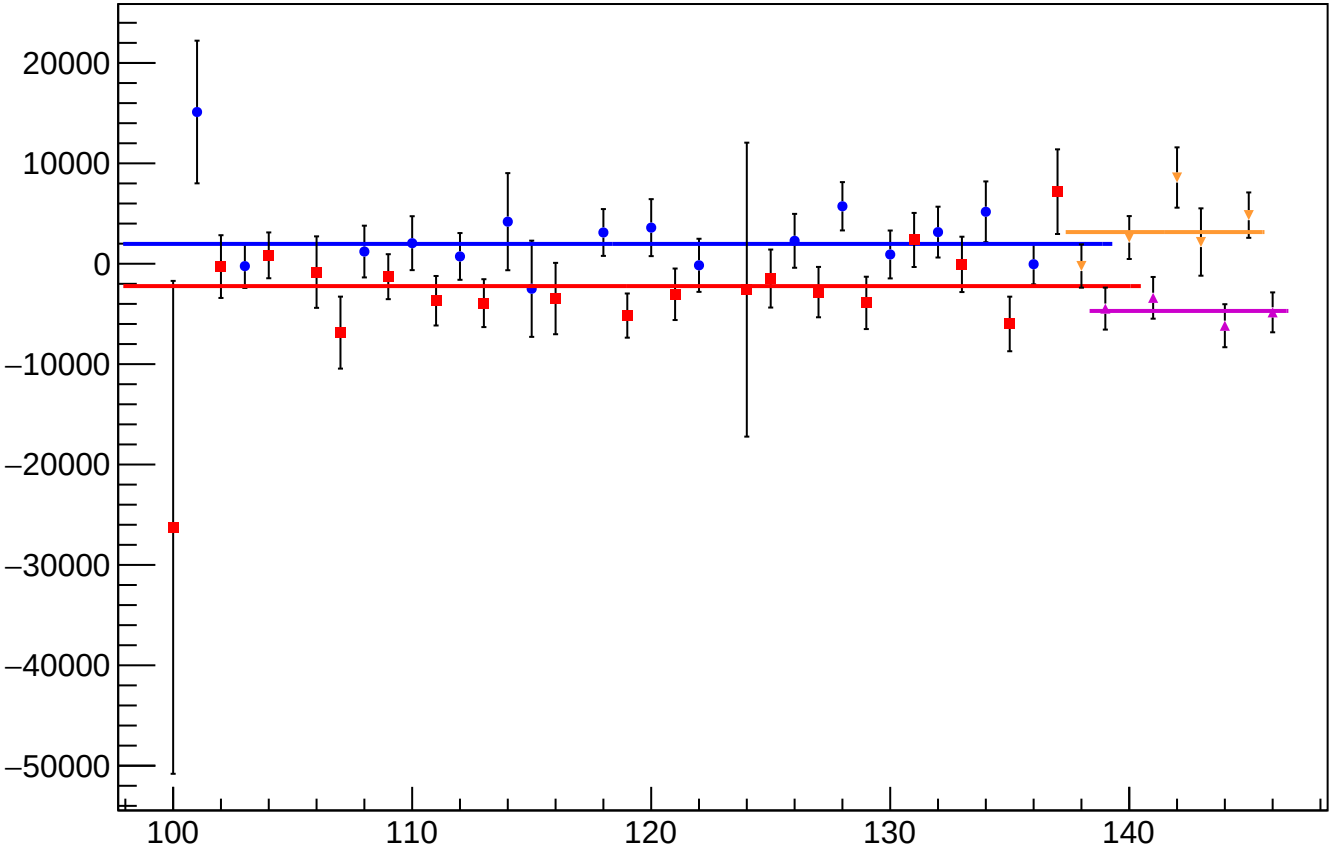
Left In: 4888.102+/-1.855 χ^2/NDF:70364.6/3

+ sign 2035.867+/-0.528 χ^2/NDF: 6810485.0/20

All: 1856.890+/-0.362 χ^2/NDF: 17111317.7/4

- sign 1697.495+/-0.498 χ^2/NDF: 10083548.4/22

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 3154.375+/-1098.490 χ^2/NDF:6.4/4

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

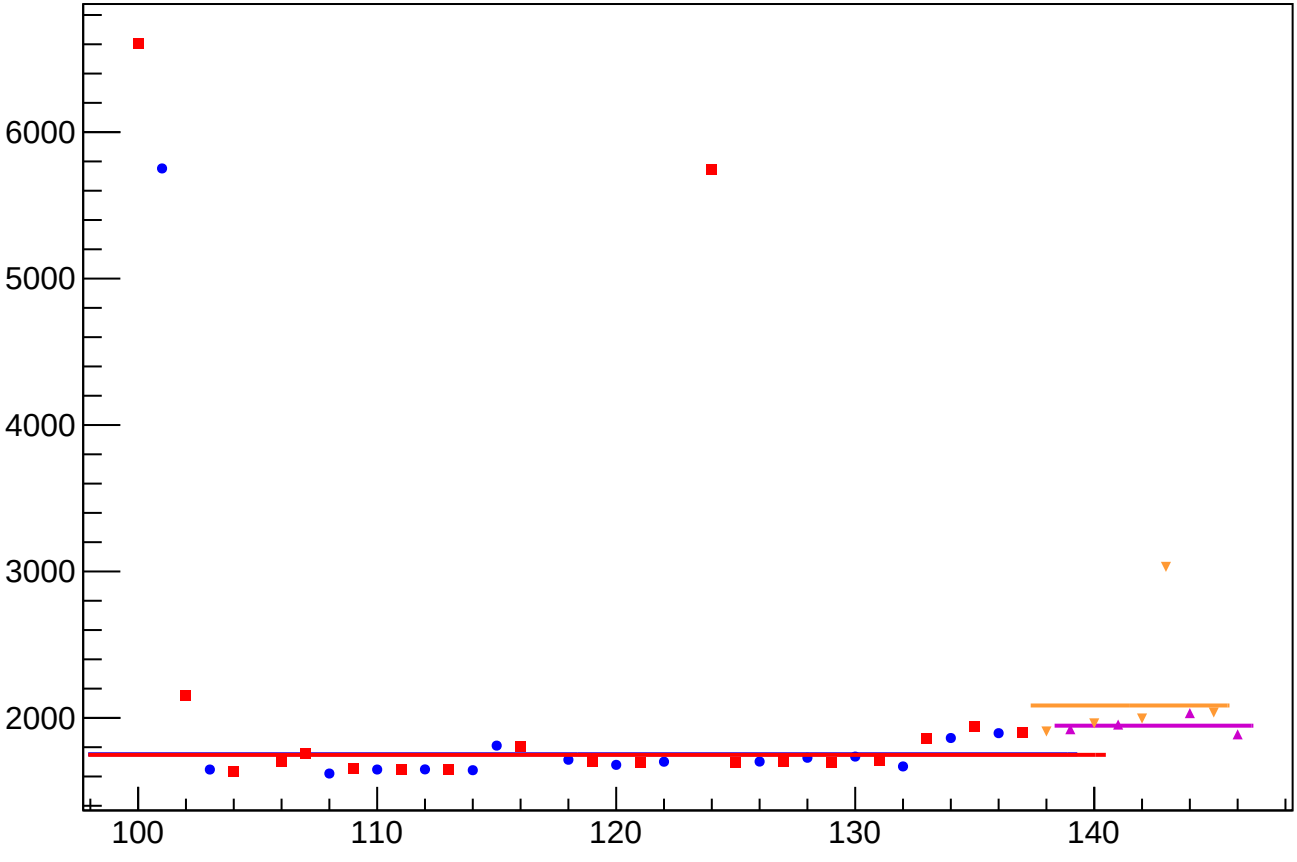
Left In: -4701.481+/-1036.237 χ^2/NDF:0.9/3

+ sign 2293.877+/-570.573 χ^2/NDF: 19.4/20

All: -395.453+/-397.630 χ^2/NDF: 86.5/43

- sign -2934.878+/-554.443 χ^2/NDF: 23.9/22

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2084.849+/-0.777 χ^2/NDF:181878.7/4

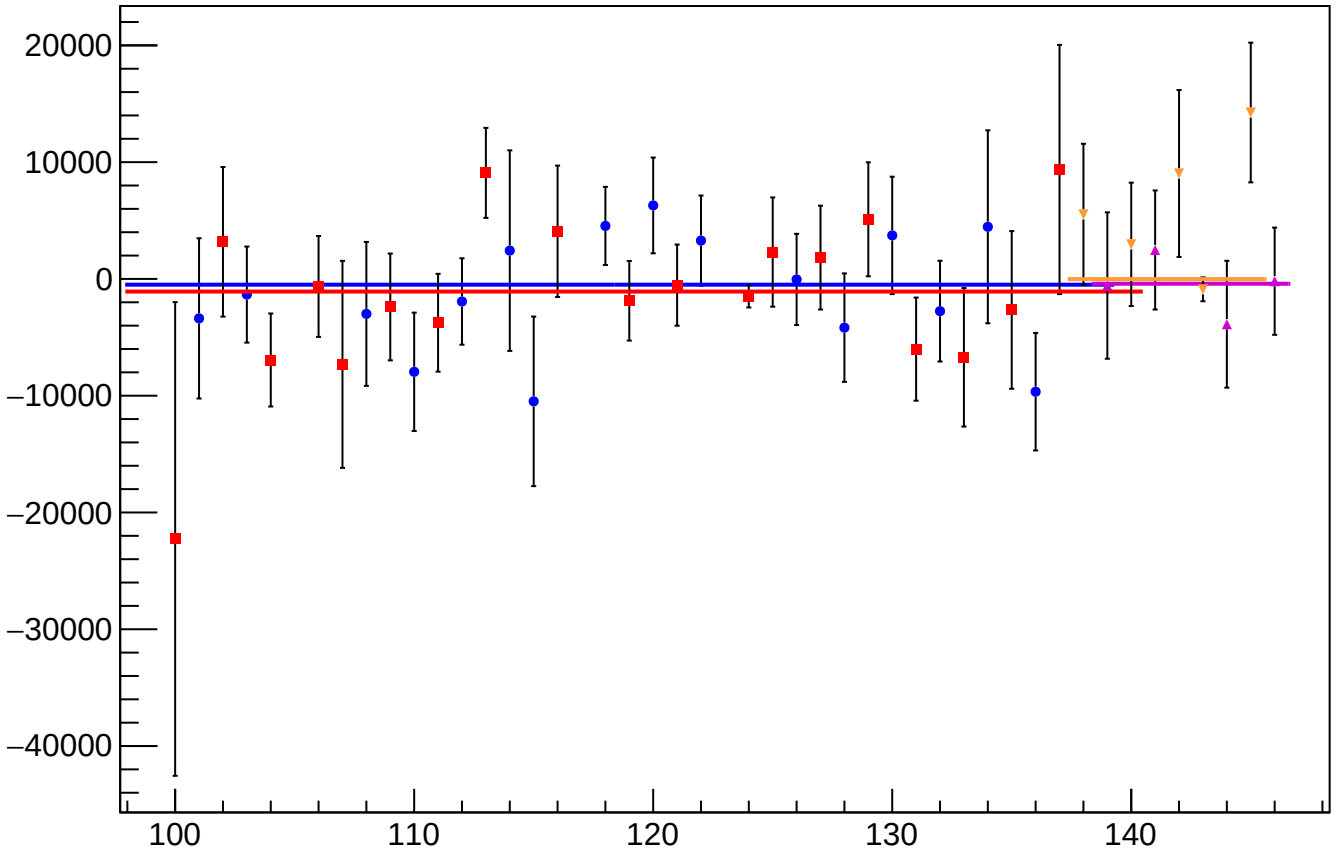
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

+ sign 1841.513+/-0.403 χ^2/NDF: 986932.4/20

All: 1822.424+/-0.281 χ^2/NDF: 1347298.0/43

- sign 1804.497+/-0.391 χ^2/NDF: 356024.9/22



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -16.282+/-967.892 χ^2/NDF:9.2/4

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

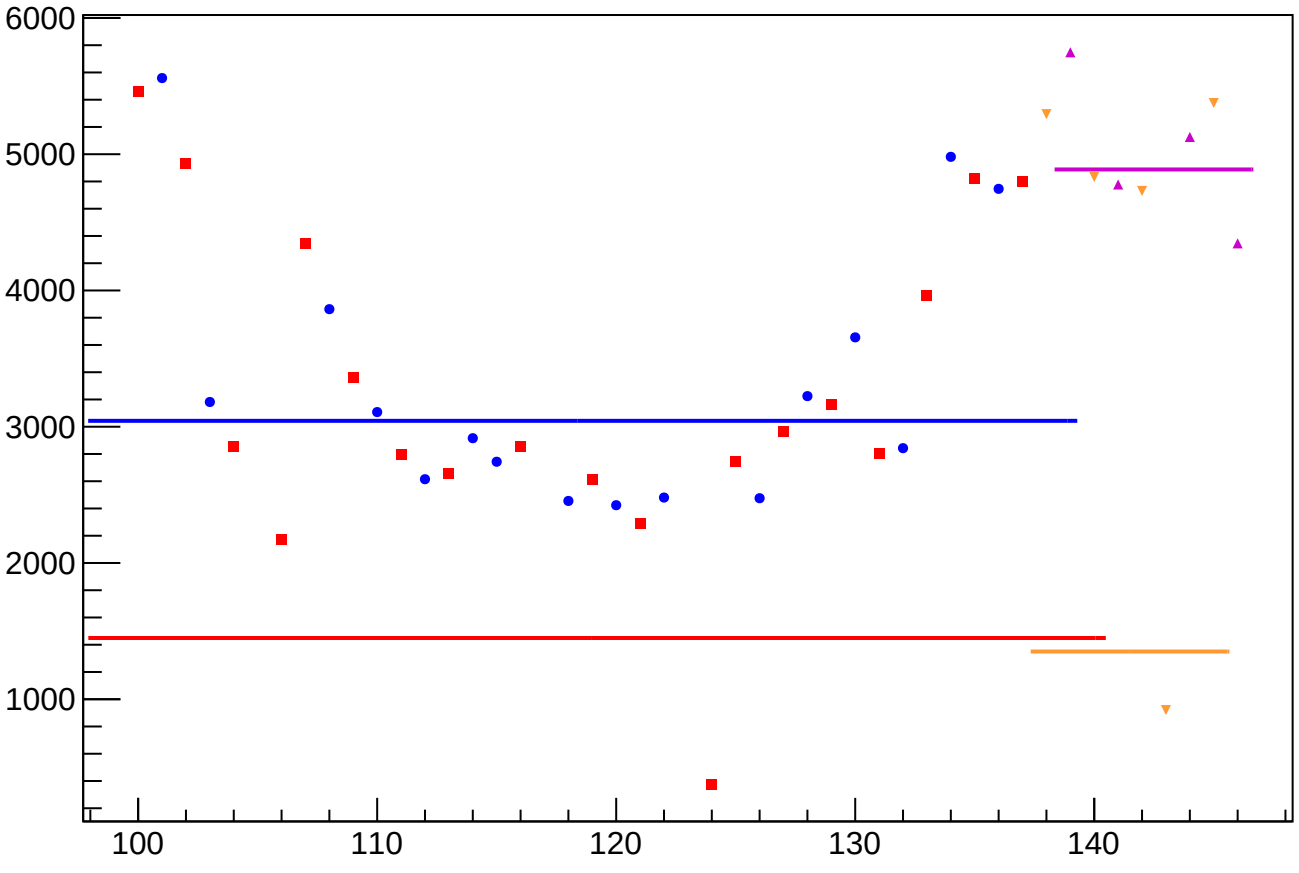
Left In: -411.287+/-2623.728 χ^2/NDF:0.7/3

+ sign -209.304+/-746.615 χ^2/NDF: 25.2/20

All: -644.791+/-512.433 χ^2/NDF: 45.1/43

- sign -1032.632+/-704.590 χ^2/NDF: 19.3/22

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1350.246+/-0.684 χ^2/NDF:3426699.9/4

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

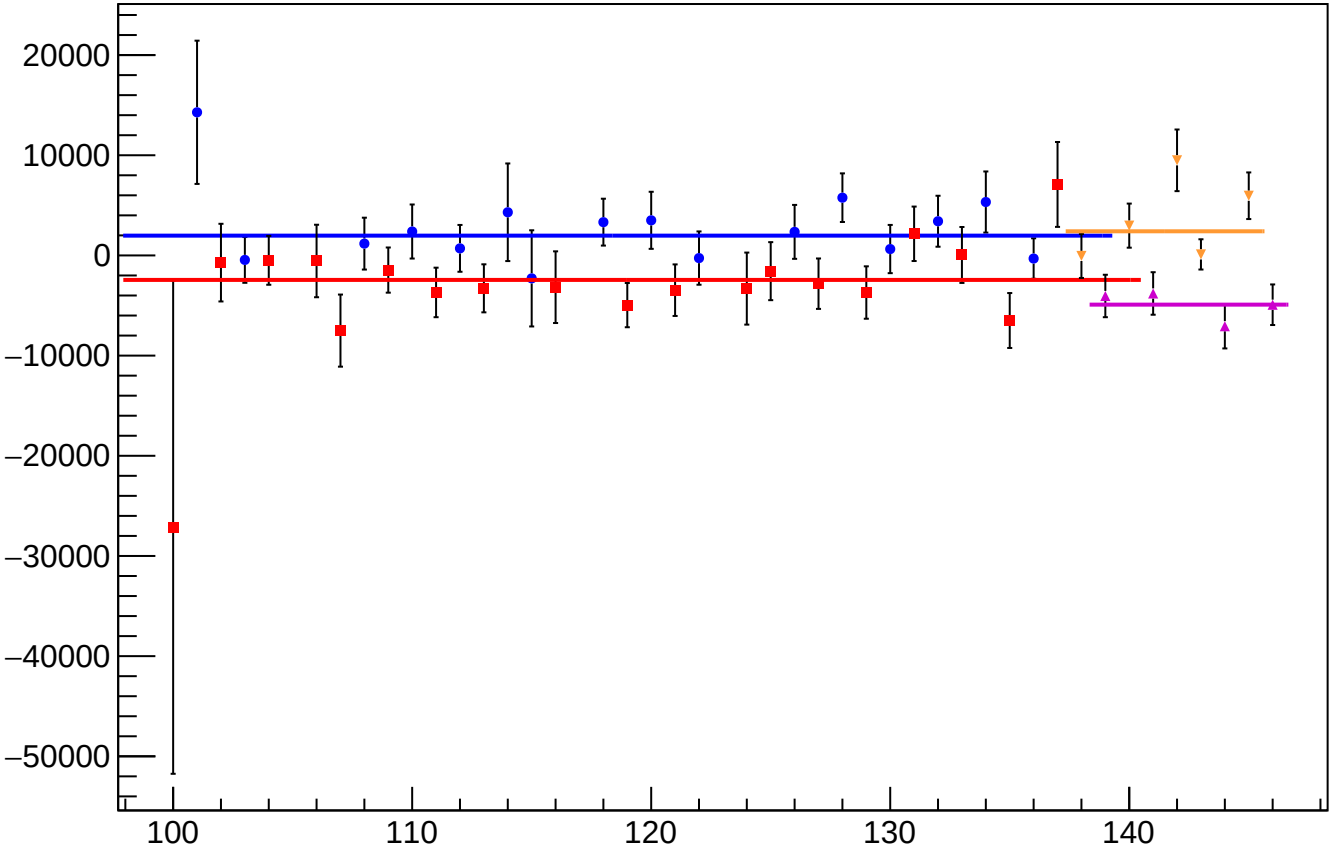
Left In: 4888.102+/-1.855 χ^2/NDF:70364.6/3

+ sign 2035.867+/-0.528 χ^2/NDF: 6810485.0/20

All: 1856.890+/-0.362 χ^2/NDF: 17111317.7/4

- sign 1697.495+/-0.498 χ^2/NDF: 10083548.4/22

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 2409.292+/-935.529 χ^2/NDF:11.3/4

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

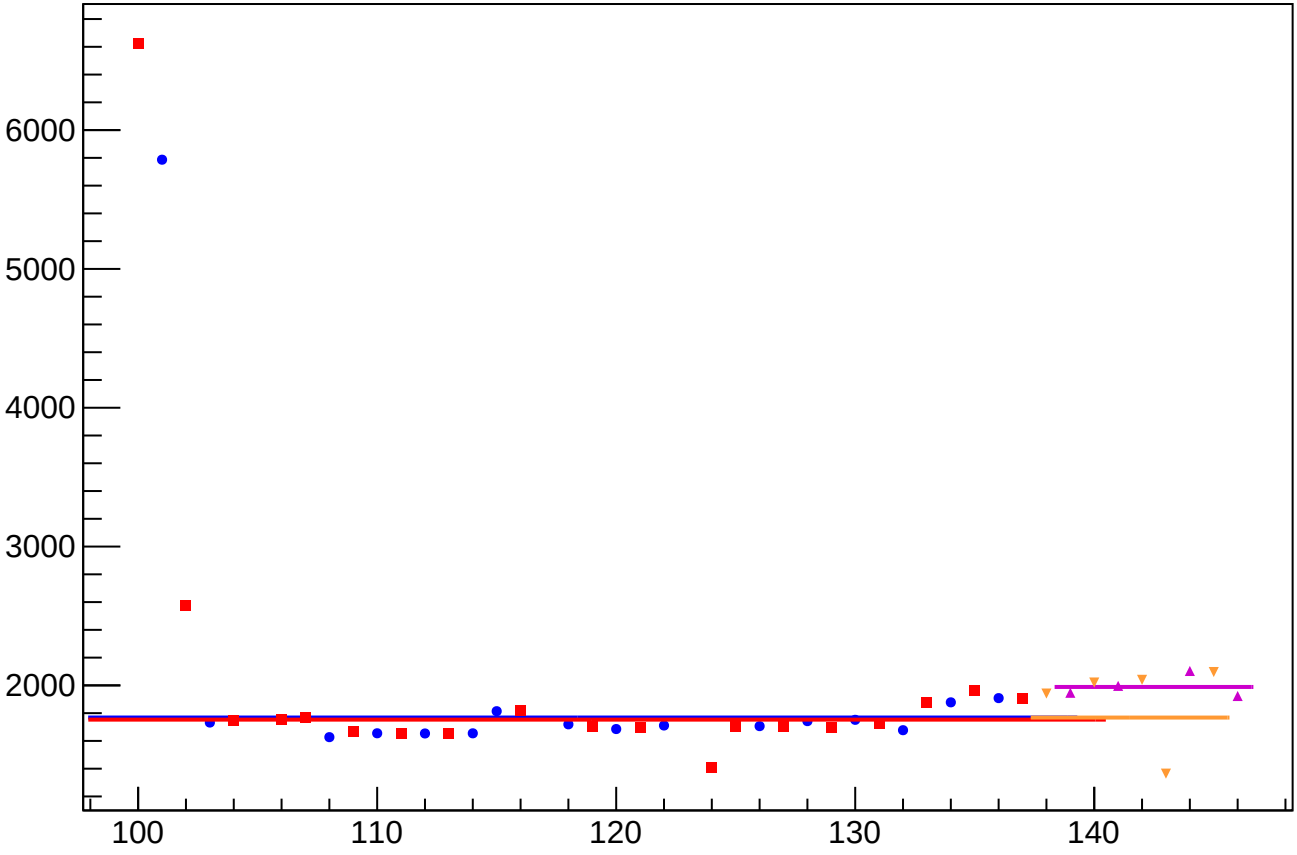
Left In: -4912.040+/-1058.784 χ^2/NDF:1.4/3

+ sign 2123.948+/-546.904 χ^2/NDF: 23.9/20

All: -447.735+/-390.814 χ^2/NDF: 91.8/43

- sign -3131.297+/-558.674 χ^2/NDF: 22.8/22

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1768.232+/-0.662 χ^2/NDF:237179.8/4

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

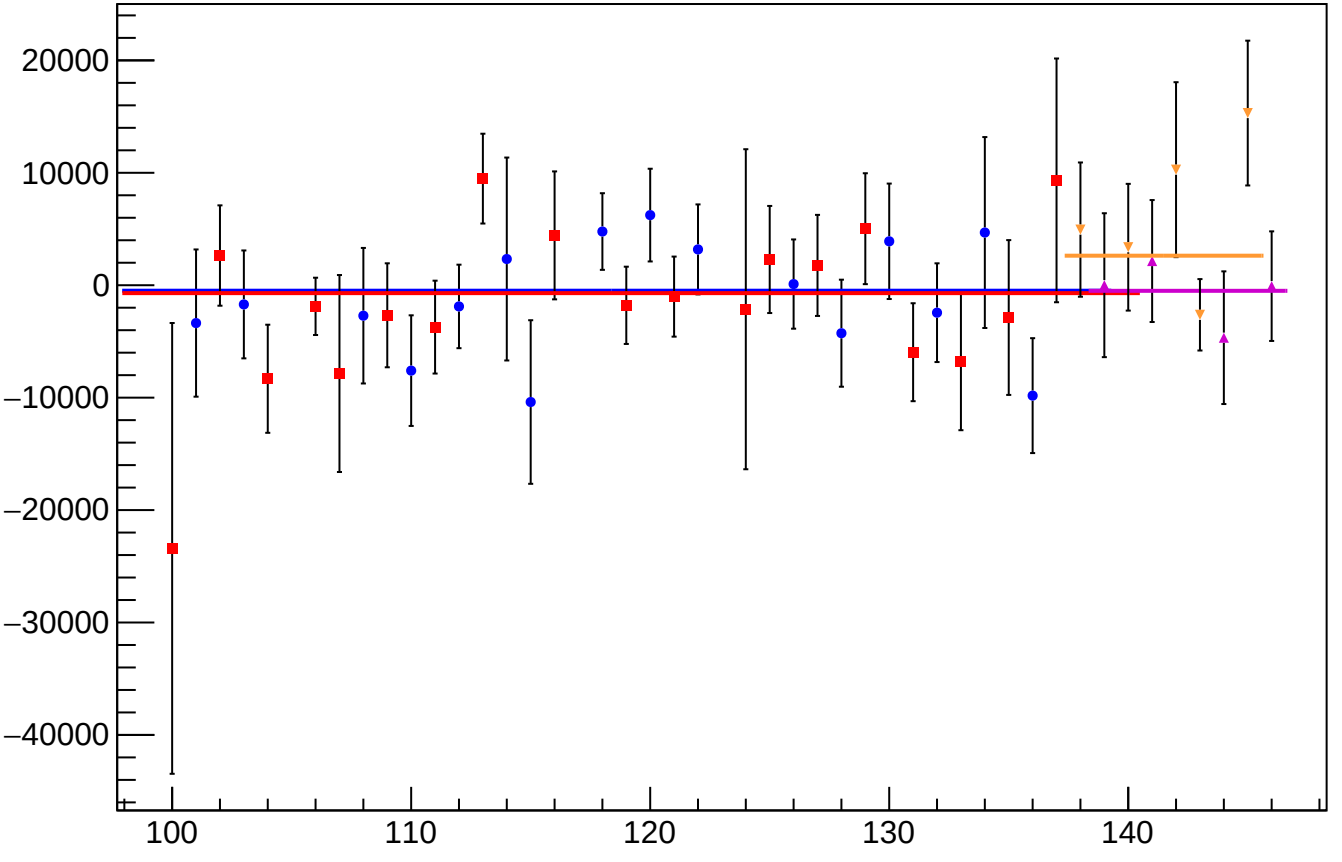
Left In: 1988.717+/-0.749 χ^2/NDF:8276.1/3

+ sign 1768.395+/-0.387 χ^2/NDF: 904547.2/20

All: 1793.038+/-0.276 χ^2/NDF: 1211371.2/43

- sign 1818.654+/-0.394 χ^2/NDF: 298542.7/22

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 2627.047+/-2240.148 χ^2/NDF:7.8/4

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

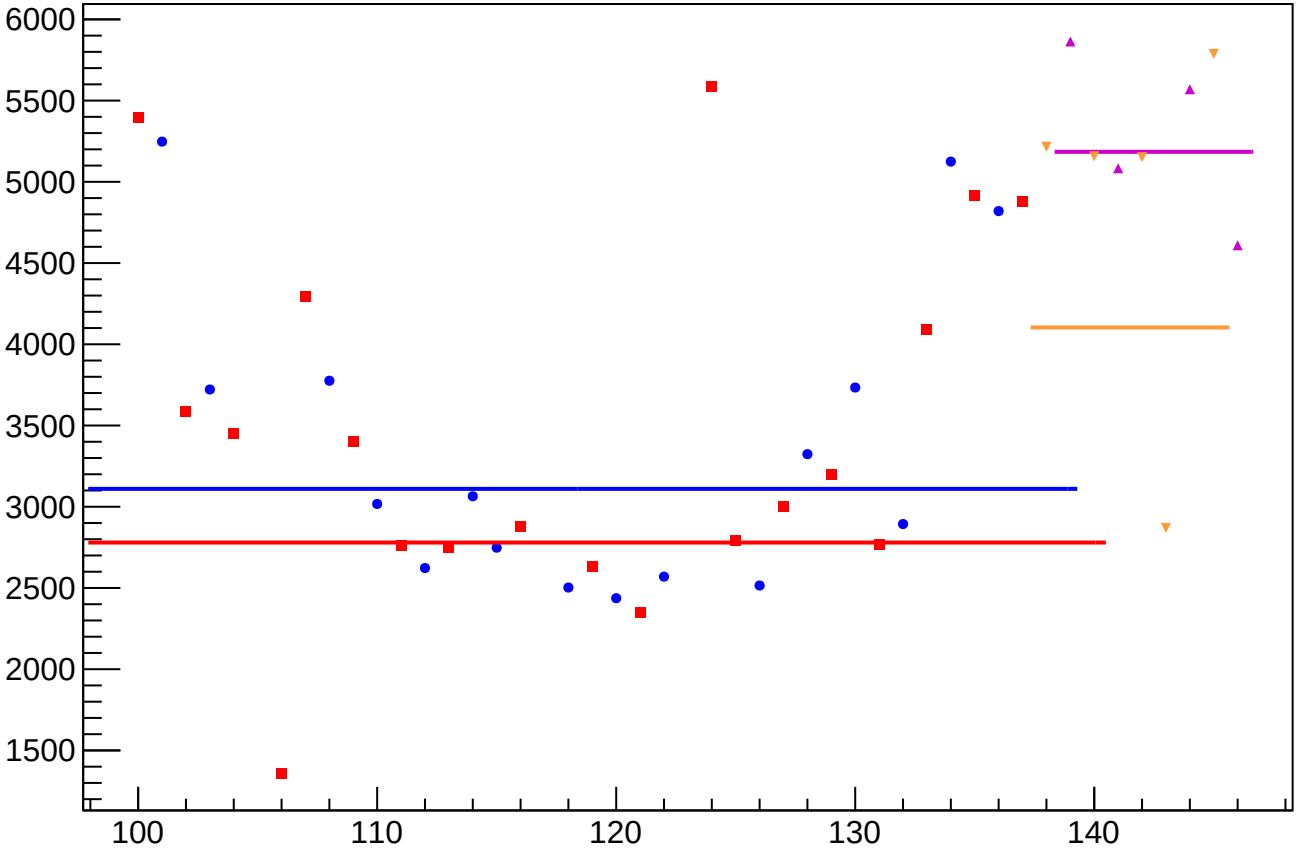
Left In: -497.706+/-2781.829 χ^2/NDF:0.8/3

+ sign 205.137+/-1056.768 χ^2/NDF: 25.0/20

All: -260.954+/-725.671 χ^2/NDF: 45.0/43

- sign -676.847+/-998.239 χ^2/NDF: 19.6/22

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4103.528+/-1.584 χ^2/NDF:614082.6/4

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

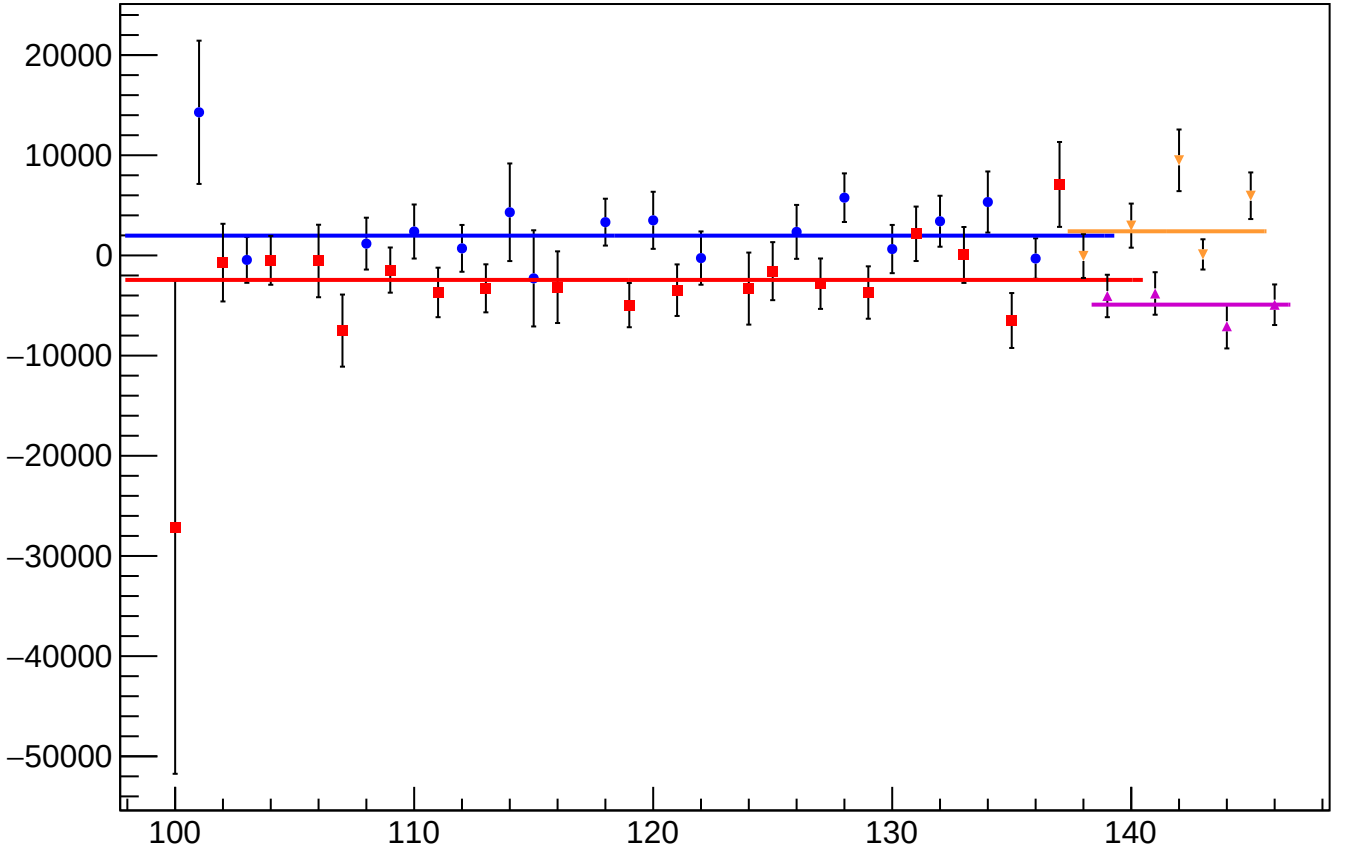
Left In: 5184.803+/-1.967 χ^2/NDF:59642.5/3

+ sign 3331.201+/-0.747 χ^2/NDF: 1803118.5/20

All: 3203.388+/-0.513 χ^2/NDF: 4568819.4/43

- sign 3089.339+/-0.706 χ^2/NDF: 2710338.3/22

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 2409.301+/-935.530 χ^2/NDF:11.3/4

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

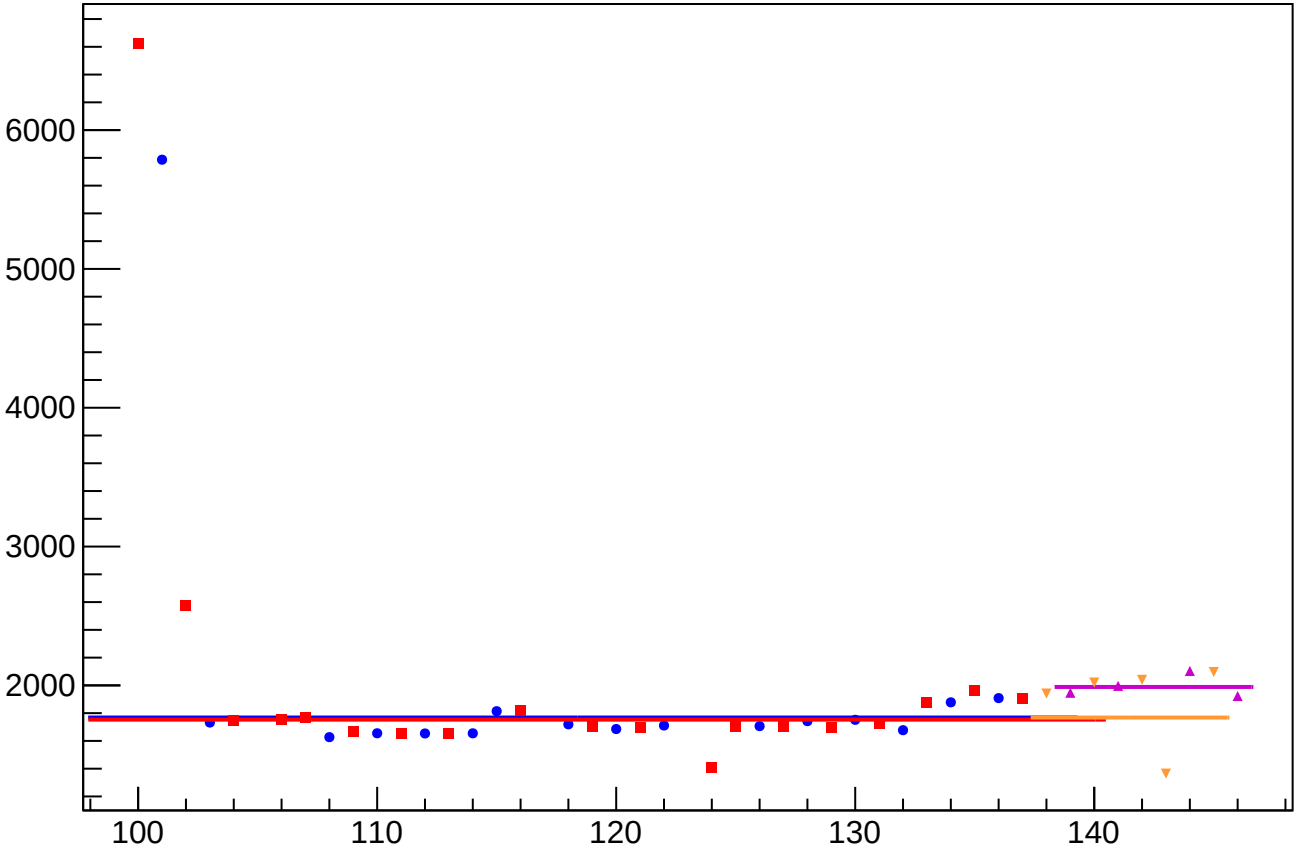
Left In: -4912.042+/-1058.785 χ^2/NDF:1.4/3

+ sign 2123.952+/-546.904 χ^2/NDF: 23.9/20

All: -447.734+/-390.814 χ^2/NDF: 91.8/43

- sign -3131.297+/-558.674 χ^2/NDF: 22.8/22

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1768.233+/-0.662 χ^2/NDF:237180.8/4

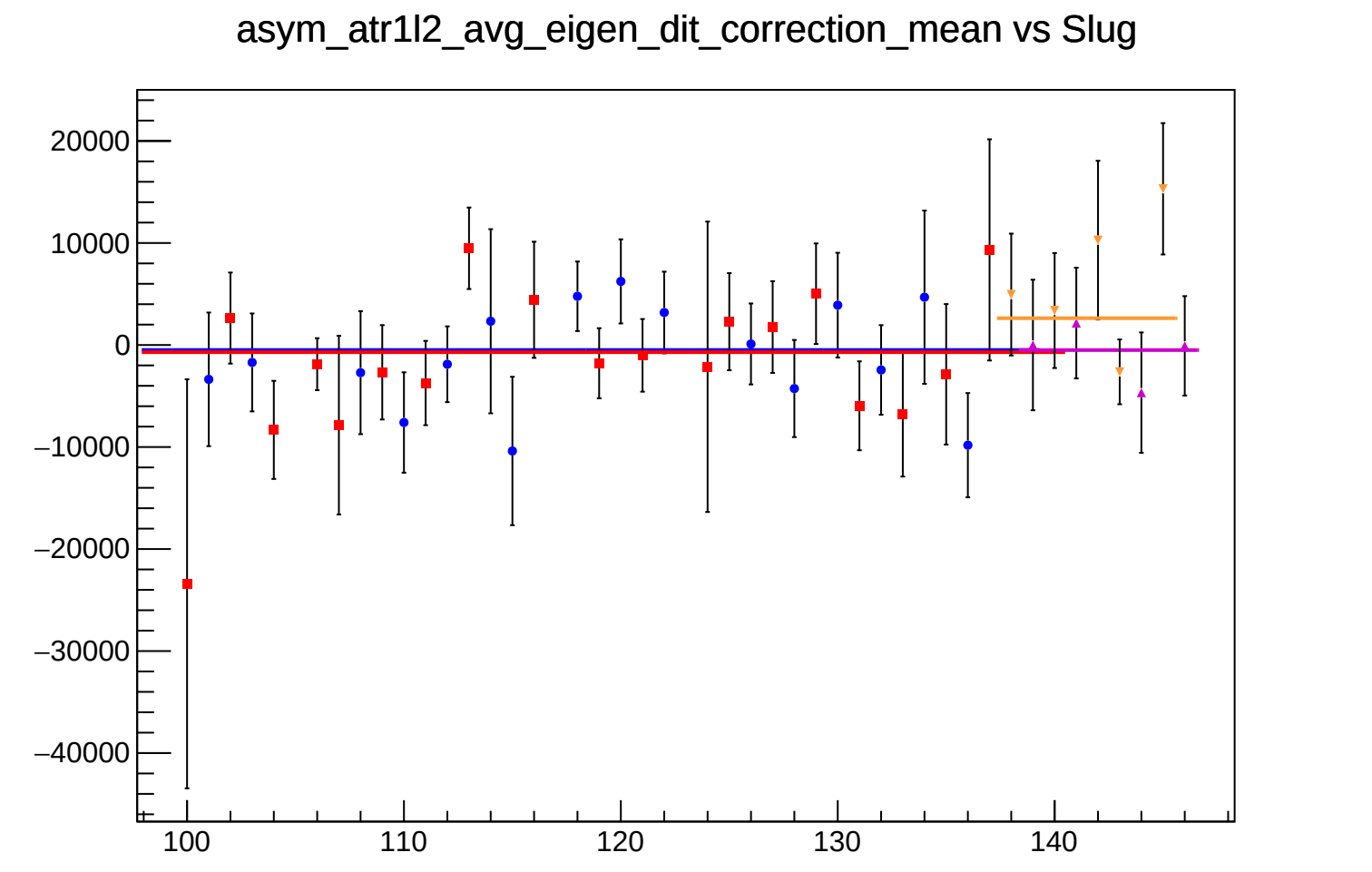
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1988.718+/-0.749 χ^2/NDF:8276.2/3

+ sign 1768.395+/-0.387 χ^2/NDF: 904548.3/20

All: 1793.038+/-0.276 χ^2/NDF: 1211373.2/43

- sign 1818.654+/-0.394 χ^2/NDF: 298543.6/22



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 2627.046+/-2240.151 χ^2/NDF:7.8/4

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

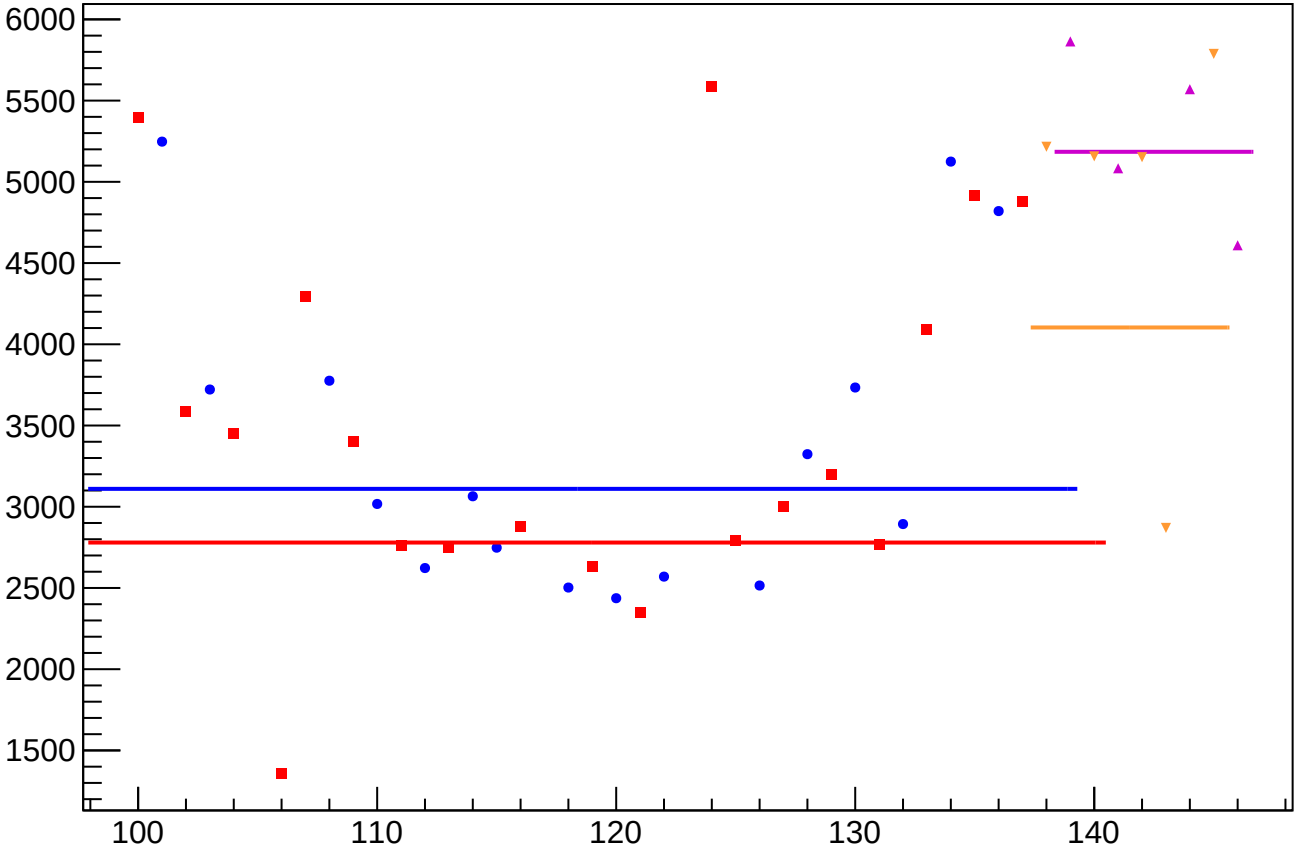
Left In: -497.706+/-2781.834 χ^2/NDF:0.8/3

+ sign 205.137+/-1056.765 χ^2/NDF: 25.0/20

All: -260.956+/-725.669 χ^2/NDF: 45.0/43

- sign -676.848+/-998.236 χ^2/NDF: 19.6/22

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4103.532+/-1.584 χ^2/NDF:614087.6/4

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

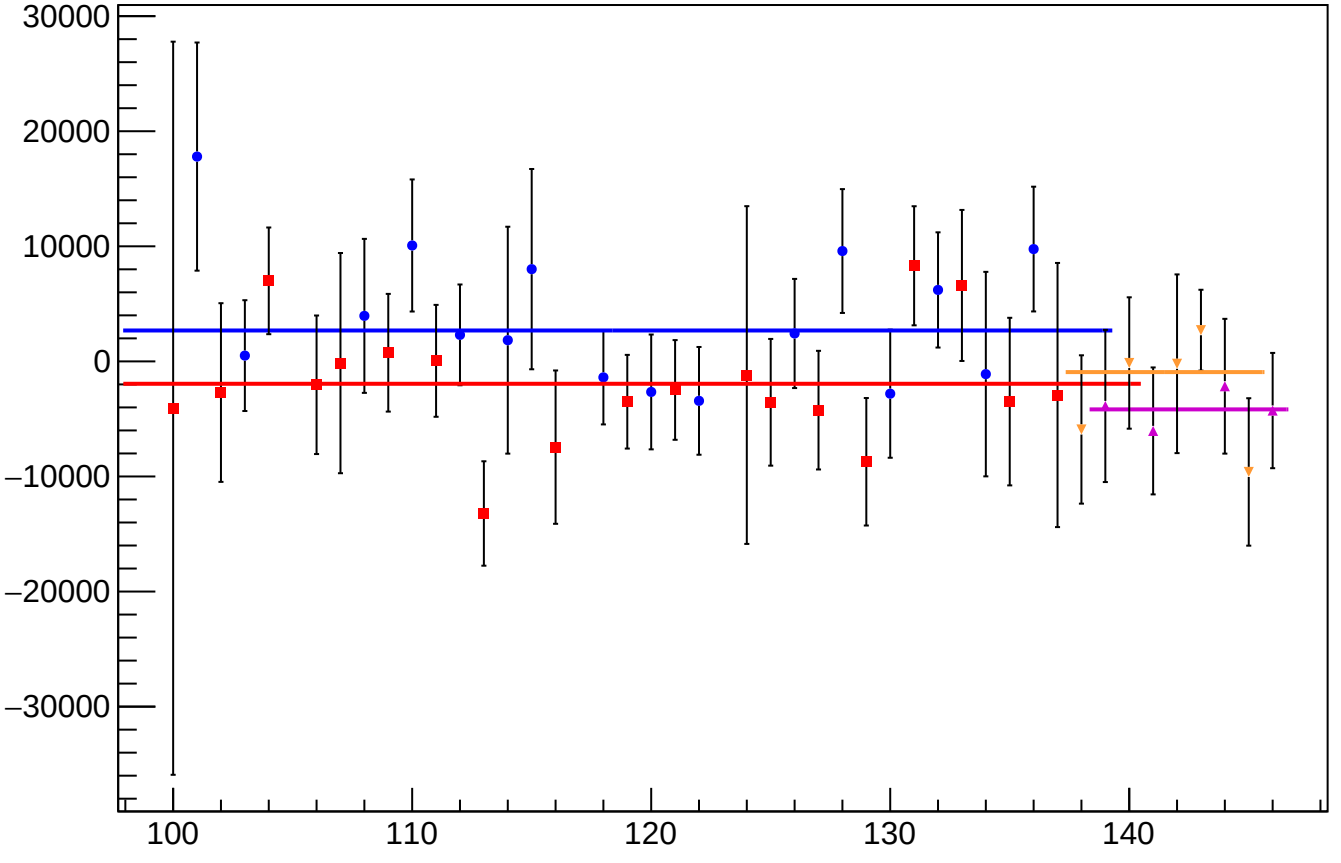
Left In: 5184.812+/-1.967 χ^2/NDF:59643.6/3

+ sign 3331.192+/-0.747 χ^2/NDF: 1803142.6/20

All: 3203.376+/-0.513 χ^2/NDF: 4568886.7/43

- sign 3089.326+/-0.706 χ^2/NDF: 2710379.4/22

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -929.944+/-2378.225 χ^2/NDF:3.5/4

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

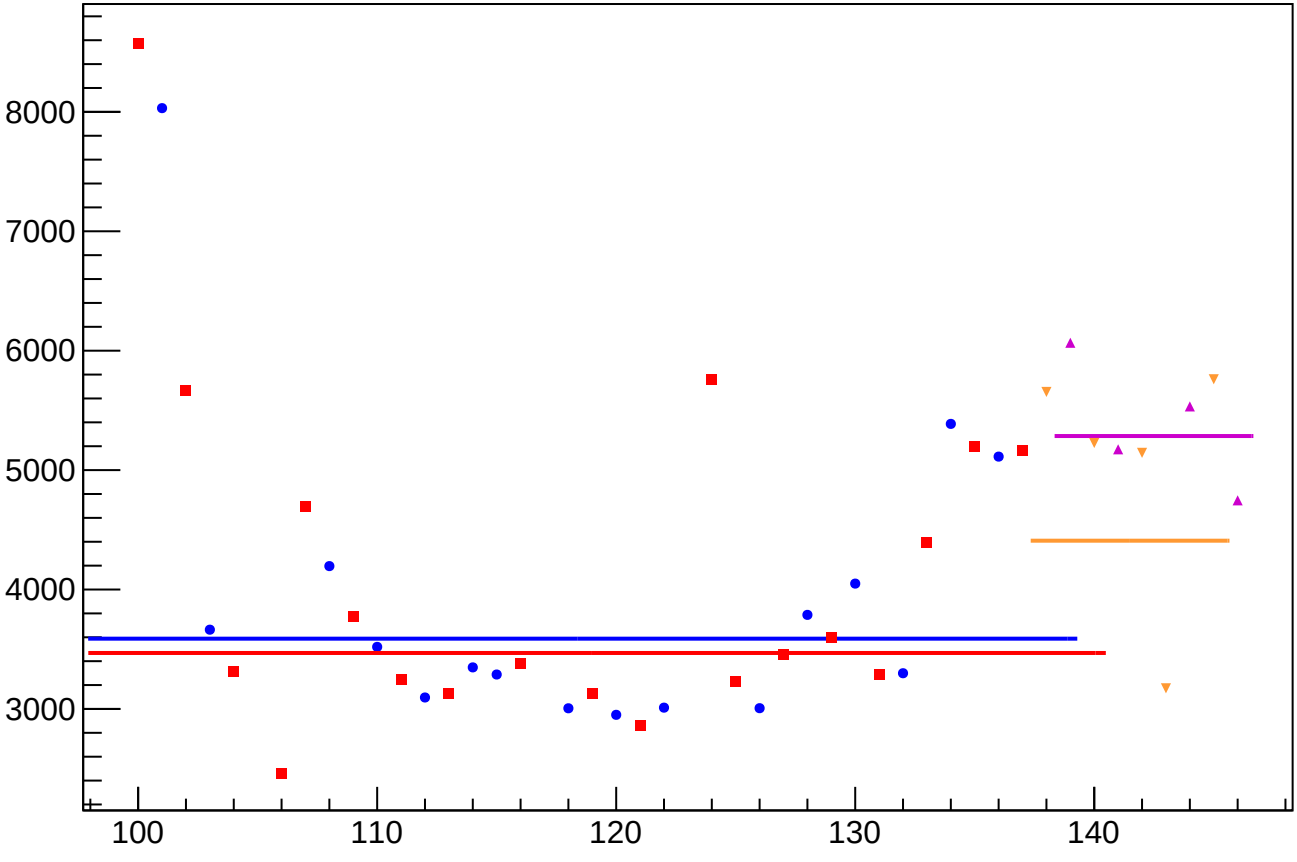
Left In: -4171.589+/-2831.190 χ^2/NDF:0.2/3

+ sign 1774.823+/-1193.546 χ^2/NDF: 18.7/20

All: -265.967+/-848.334 χ^2/NDF: 44.1/43

- sign -2349.577+/-1206.002 χ^2/NDF: 19.4/22

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4408.939+/-1.682 χ^2/NDF:470633.6/4

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

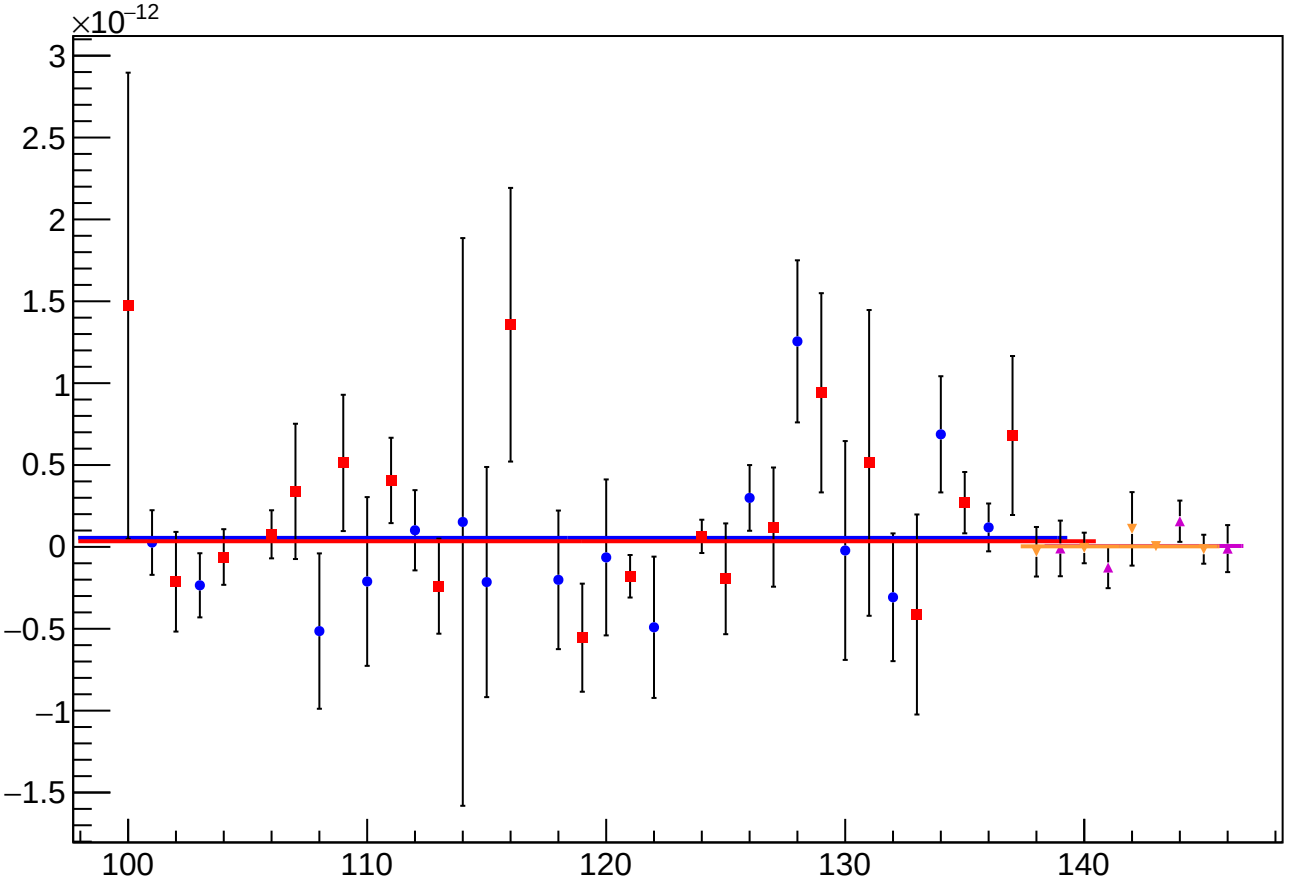
Left In: 5285.340+/-2.002 χ^2/NDF:55426.5/3

+ sign 3795.089+/-0.844 χ^2/NDF: 1493954.2/20

All: 3792.584+/-0.596 χ^2/NDF: 2893726.0/43

- sign 3790.090+/-0.842 χ^2/NDF: 1399754.2/22

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:0.3/4

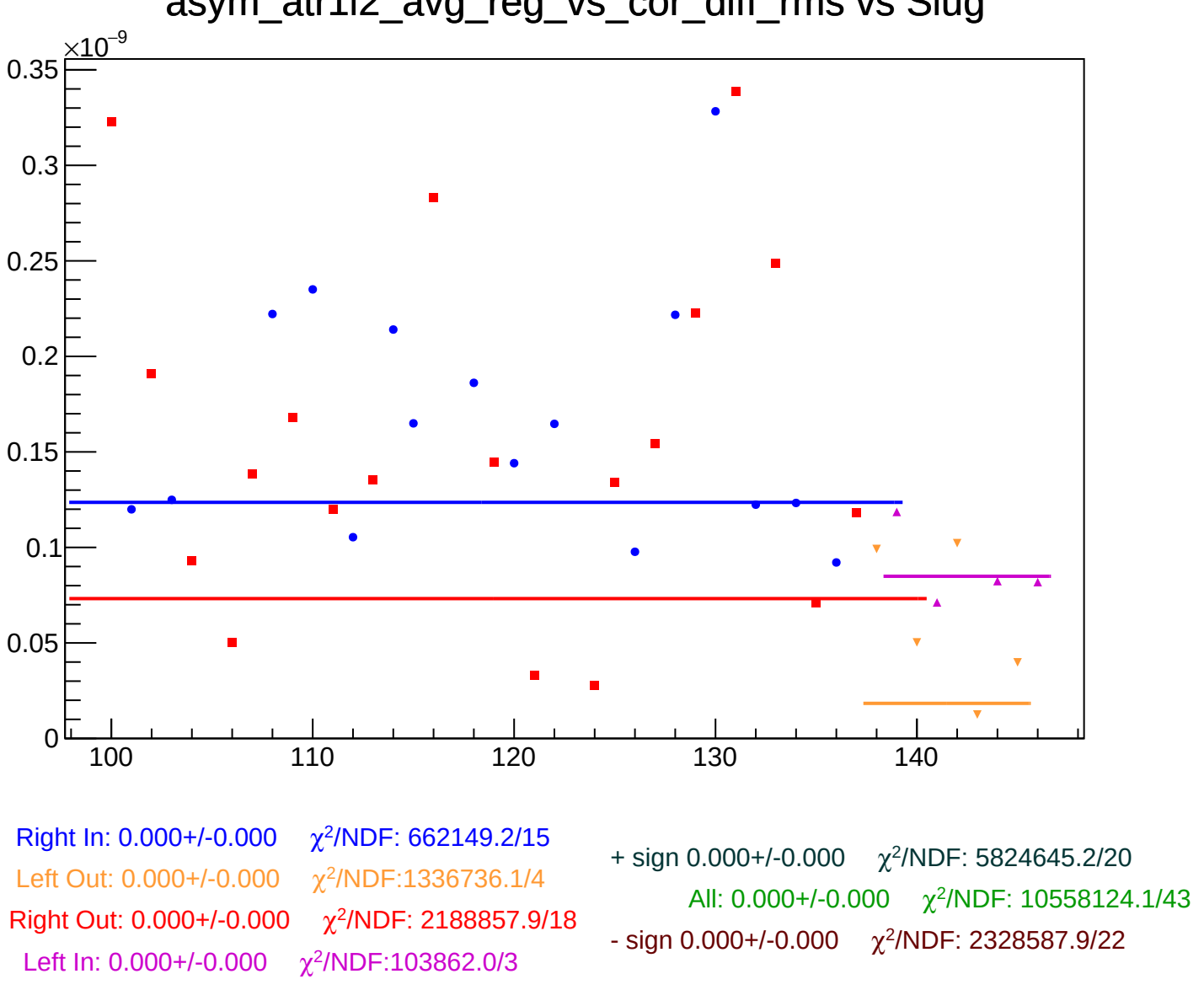
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

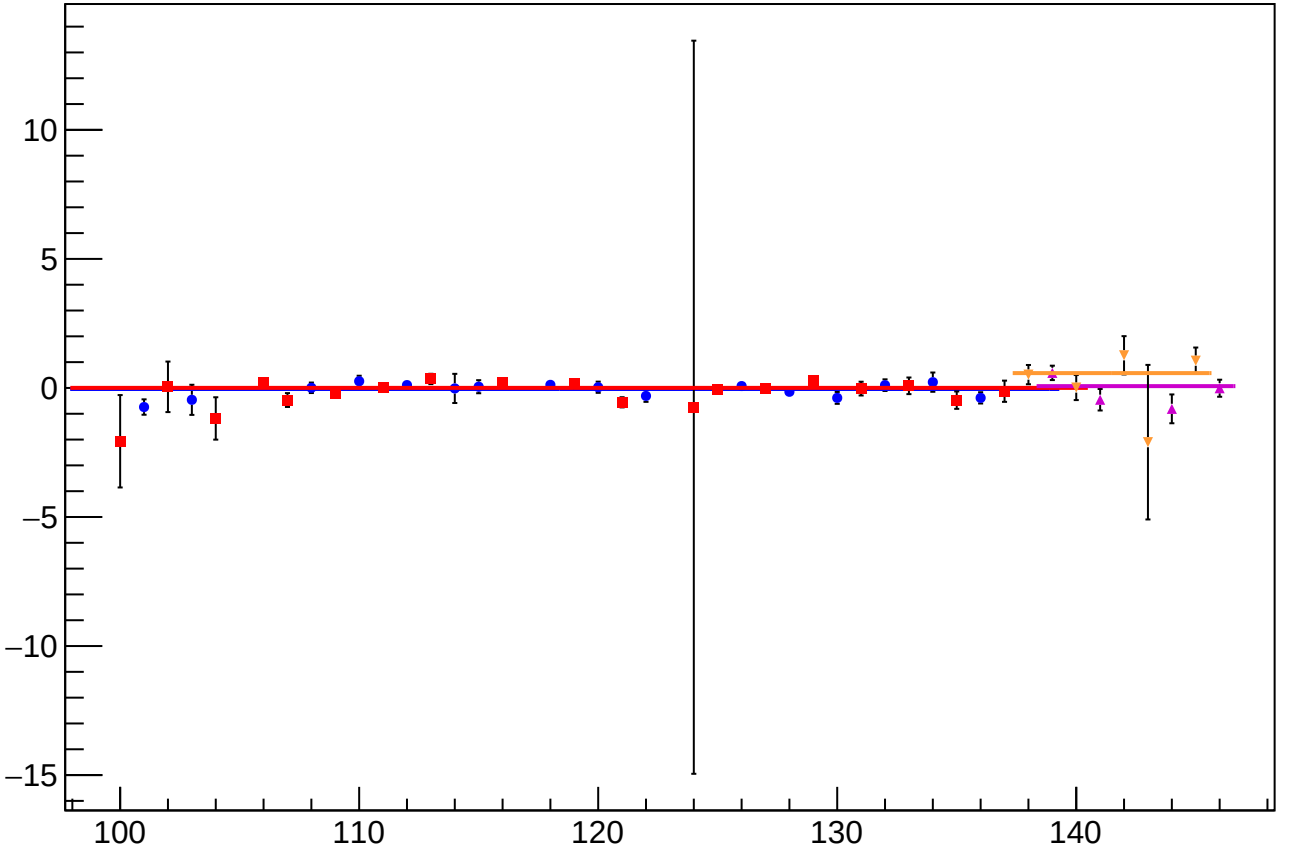
+ sign 0.000+/-0.000 χ^2/NDF: 18.5/20

All: 0.000+/-0.000 χ^2/NDF: 43.6/43

- sign 0.000+/-0.000 χ^2/NDF: 24.9/22


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1336736.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:103862.0/3
+ sign 0.000+/-0.000 χ²/NDF: 5824645.2/20
All: 0.000+/-0.000 χ²/NDF: 10558124.1/43
- sign 0.000+/-0.000 χ²/NDF: 2328587.9/22

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.575+/-0.241 χ^2/NDF:3.9/4

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

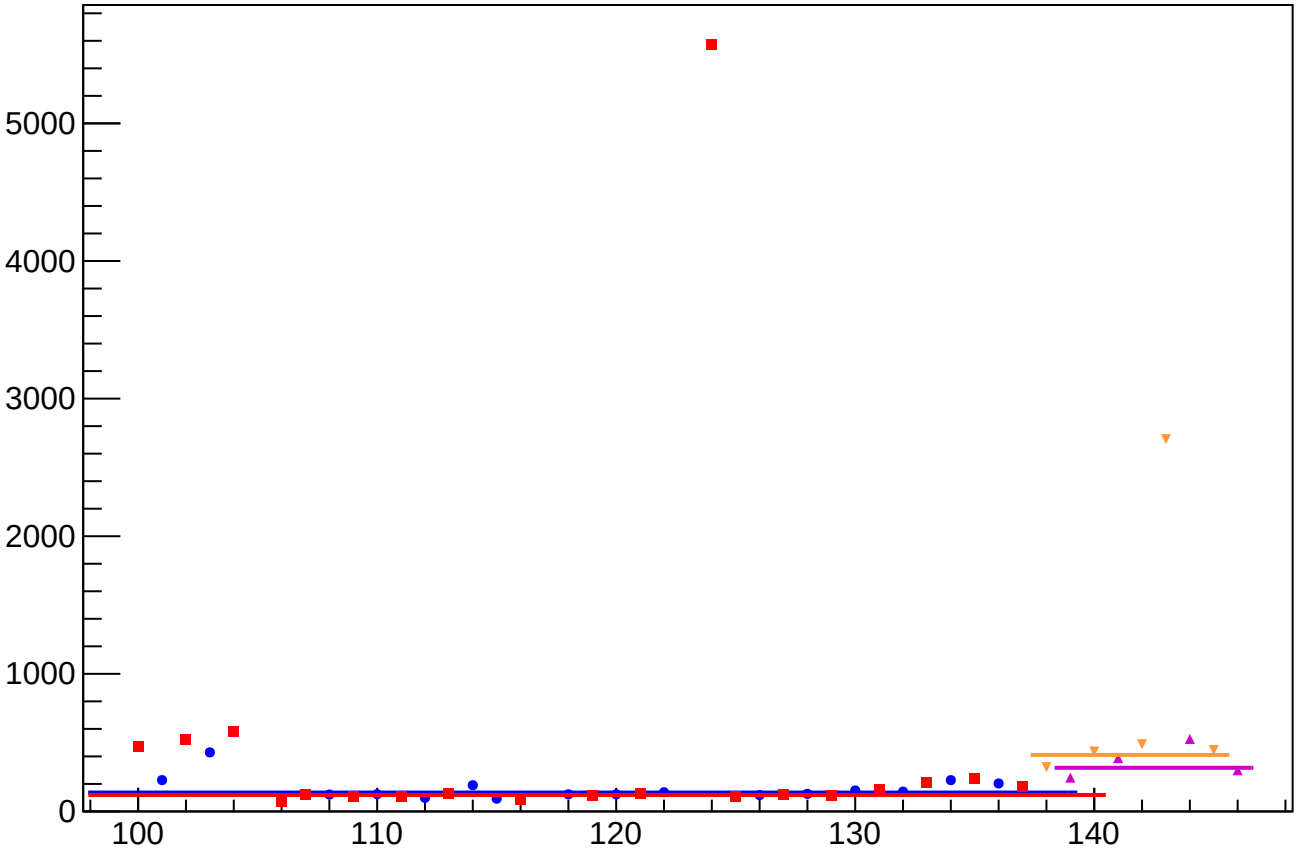
Left In: 0.071+/-0.180 χ^2/NDF:7.5/3

\+ sign -0.008+/-0.054 χ^2/NDF: 28.0/20

All: 0.001+/-0.036 χ^2/NDF: 64.4/43

\- sign 0.008+/-0.049 χ^2/NDF: 36.4/22

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 410.833+/-0.170 χ^2/NDF:1323994.1/4

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

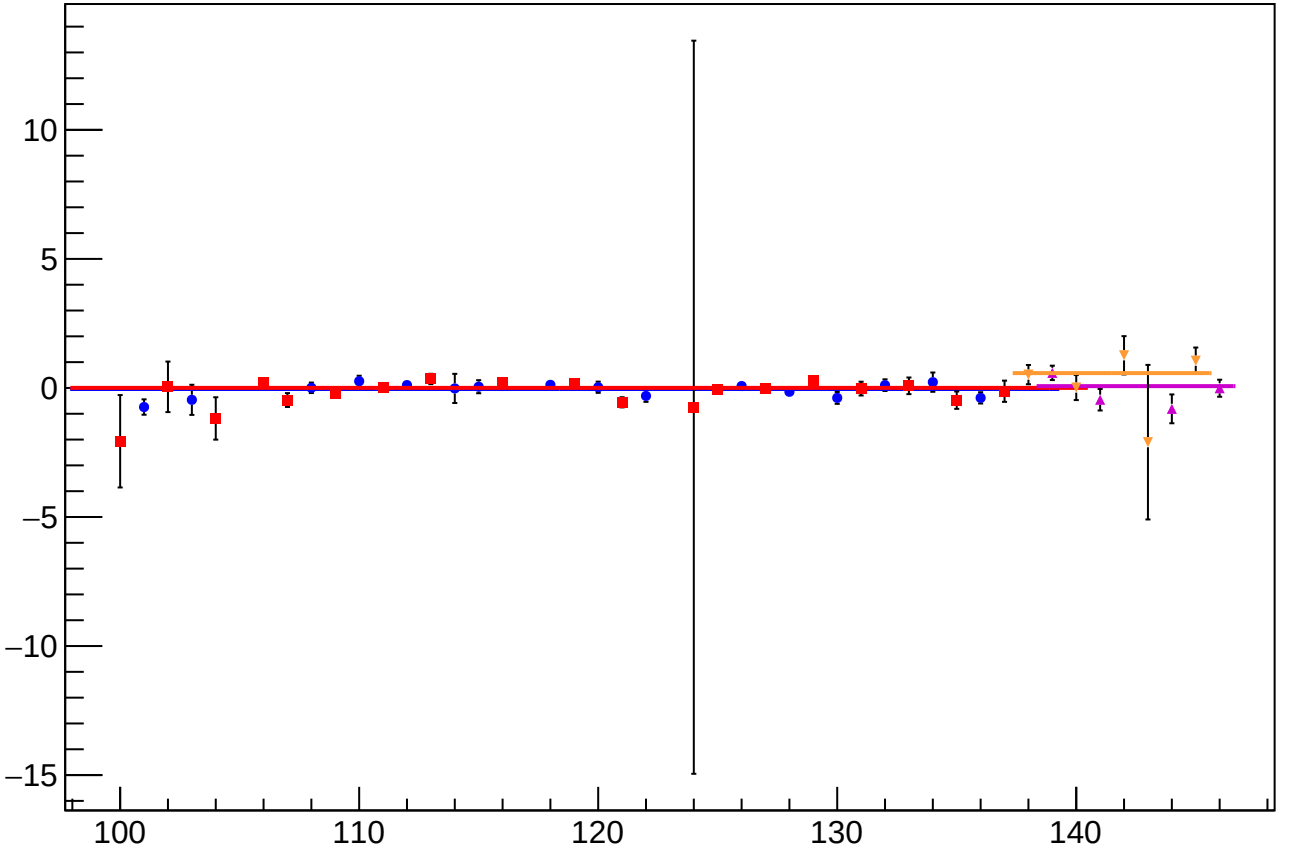
Left In: 317.414+/-0.127 χ^2/NDF:475749.4/3

+ sign 151.309+/-0.038 χ^2/NDF: 5033418.3/20

All: 142.139+/-0.026 χ^2/NDF: 9988447.1/43

- sign 134.696+/-0.035 χ^2/NDF: 4852012.4/22

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: 0.575+/-0.241 χ^2/NDF:3.9/4

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

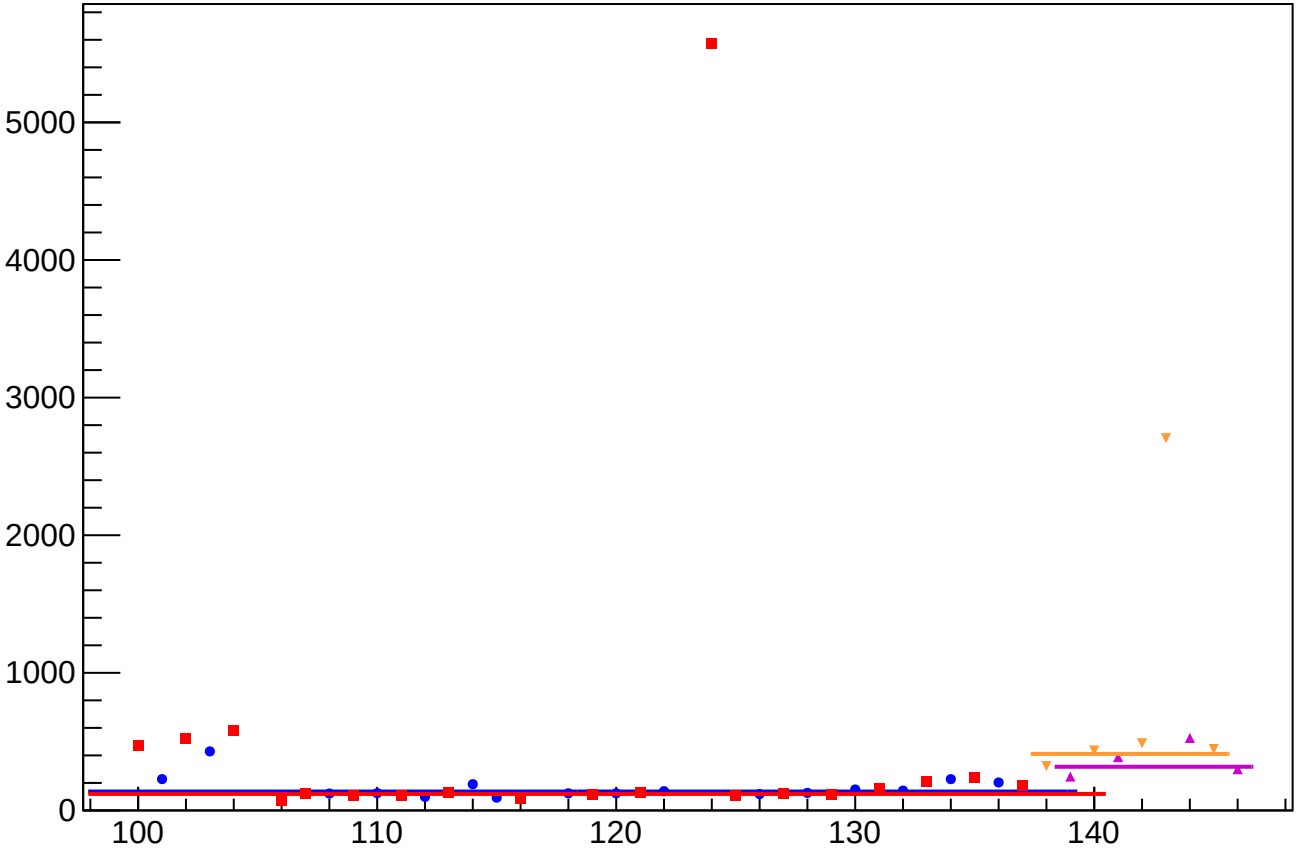
Left In: 0.071+/-0.180 χ^2/NDF:7.5/3

+ sign -0.008+/-0.054 χ^2/NDF: 28.0/20

All: 0.001+/-0.036 χ^2/NDF: 64.4/43

- sign 0.008+/-0.049 χ^2/NDF: 36.4/22

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: 410.833+/-0.170 χ^2/NDF:1323994.1/4

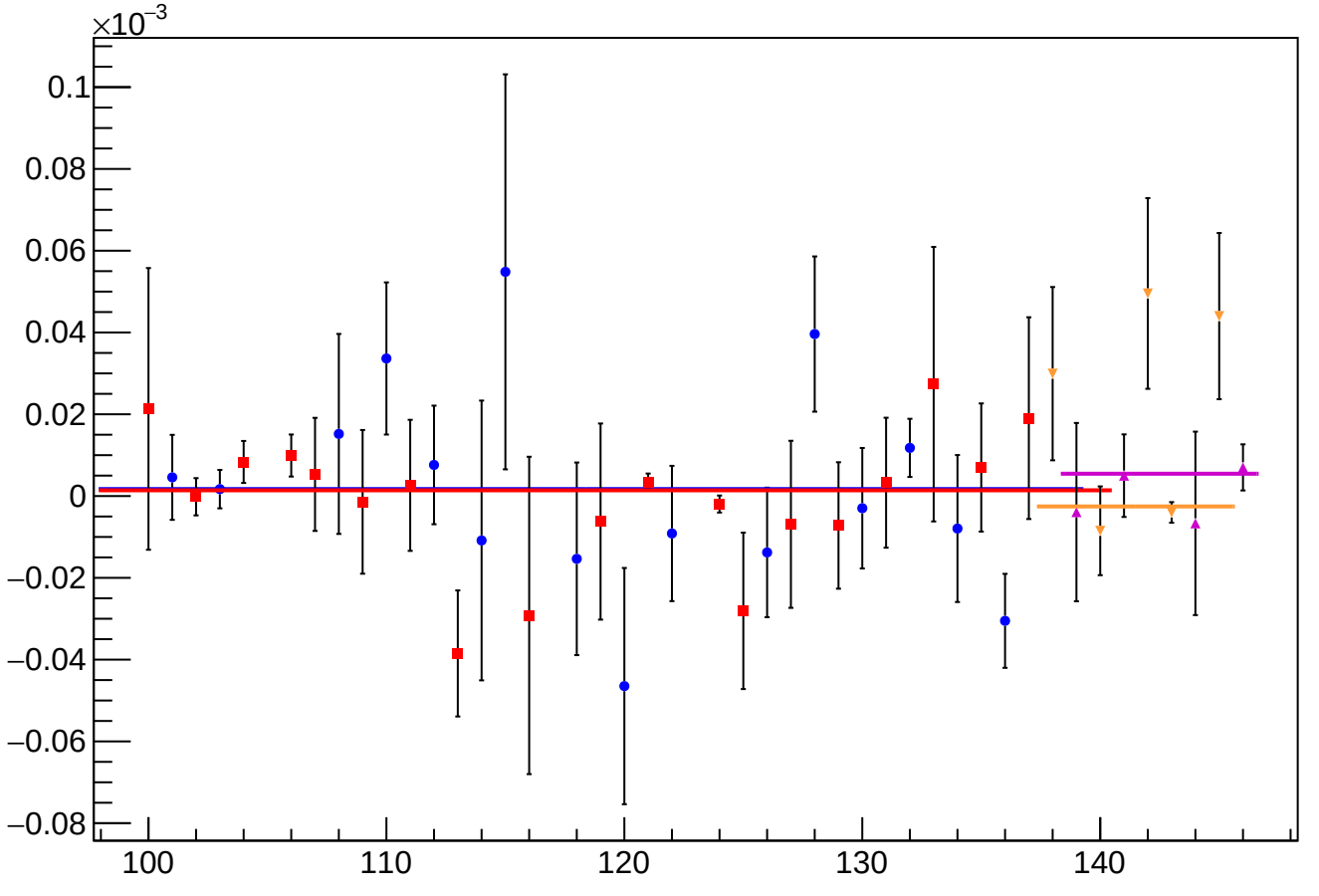
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.414+/-0.127 χ^2/NDF:475749.4/3

+ sign 151.309+/-0.038 χ^2/NDF: 5033418.3/20

All: 142.139+/-0.026 χ^2/NDF: 9988447.1/43

- sign 134.696+/-0.035 χ^2/NDF: 4852012.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

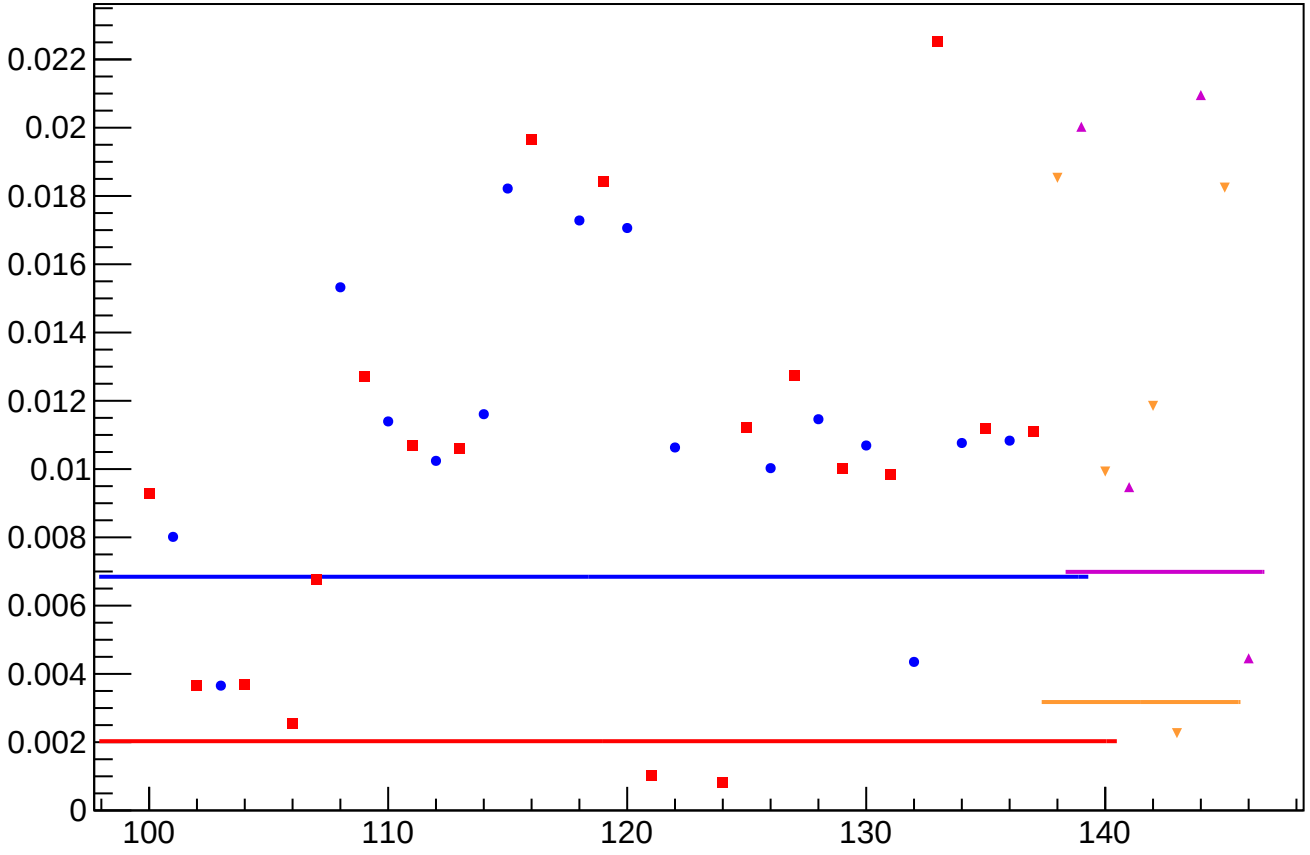
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/20

All: 0.000+/-0.000 χ^2/NDF: 61.0/43

- sign 0.000+/-0.000 χ^2/NDF: 21.5/22

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: 0.003+/-0.000 χ^2/NDF:3462881.5/4

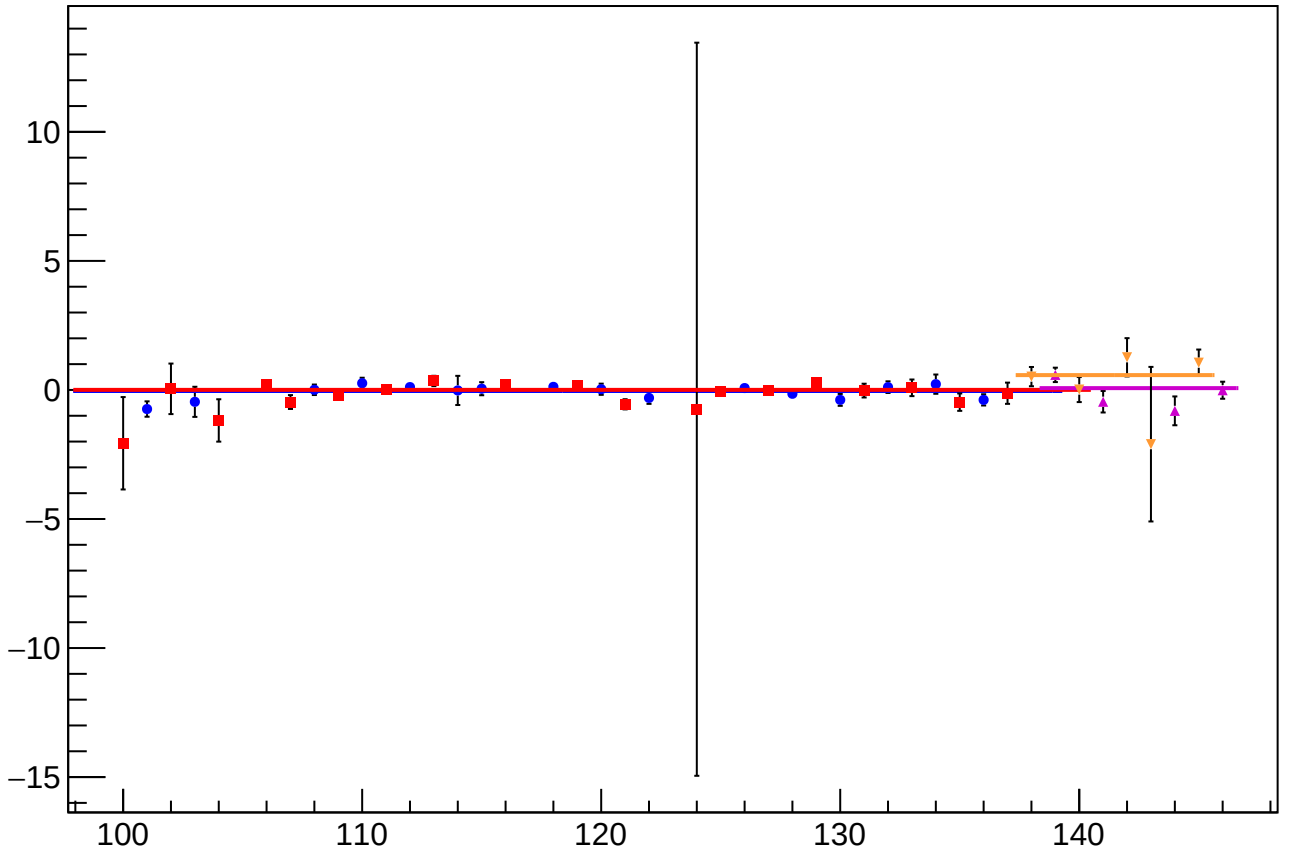
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.007+/-0.000 χ^2/NDF:2014753.8/3

+ sign 0.005+/-0.000 χ^2/NDF: 8539025.2/20

All: 0.003+/-0.000 χ^2/NDF: 23720822.2/43

- sign 0.002+/-0.000 χ^2/NDF: 13103432.2/22



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.575+/-0.241 χ^2/NDF:3.9/4

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

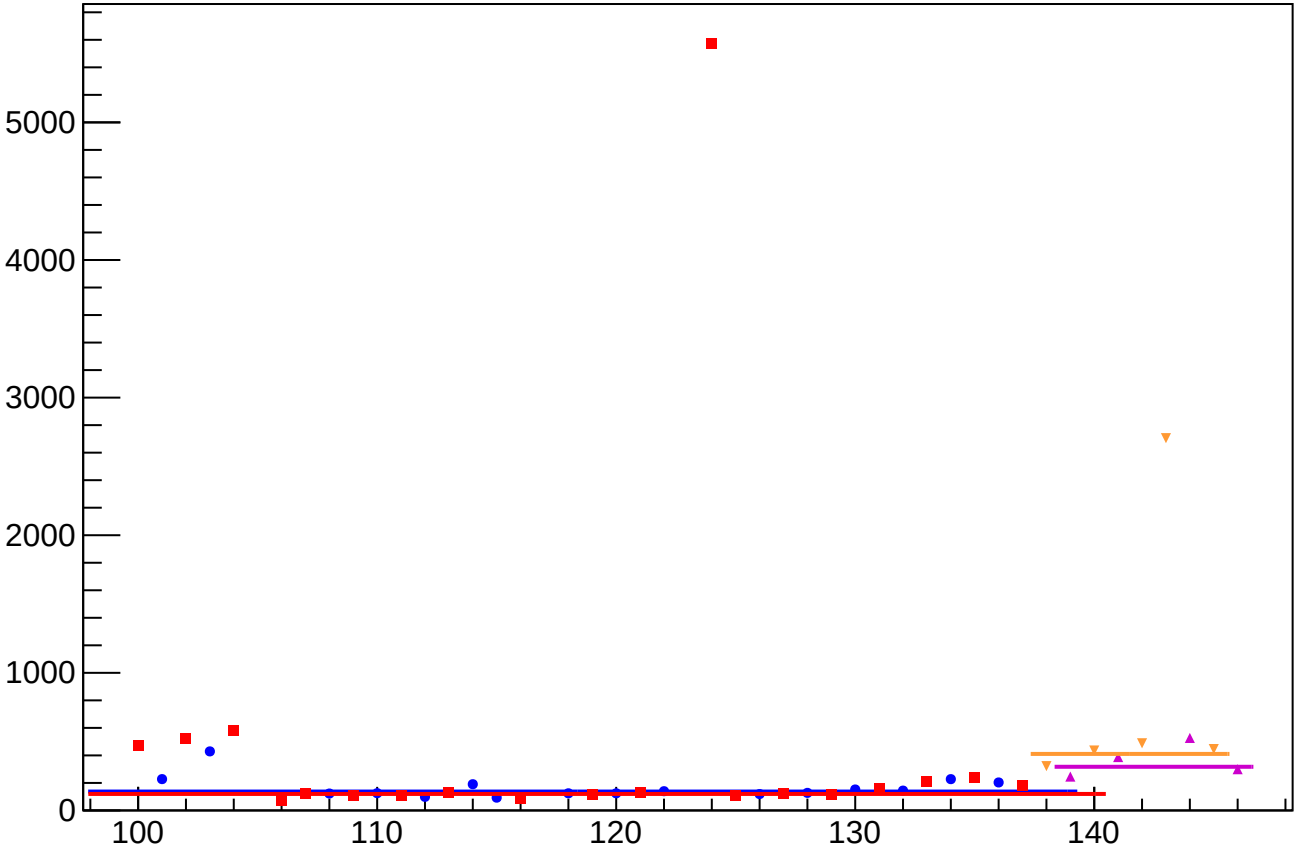
Left In: 0.071+/-0.180 χ^2/NDF:7.5/3

+ sign -0.008+/-0.054 χ^2/NDF: 28.0/20

All: 0.001+/-0.036 χ^2/NDF: 64.4/43

- sign 0.008+/-0.049 χ^2/NDF: 36.4/22

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: 410.838+/-0.170 χ^2/NDF:1324003.9/4

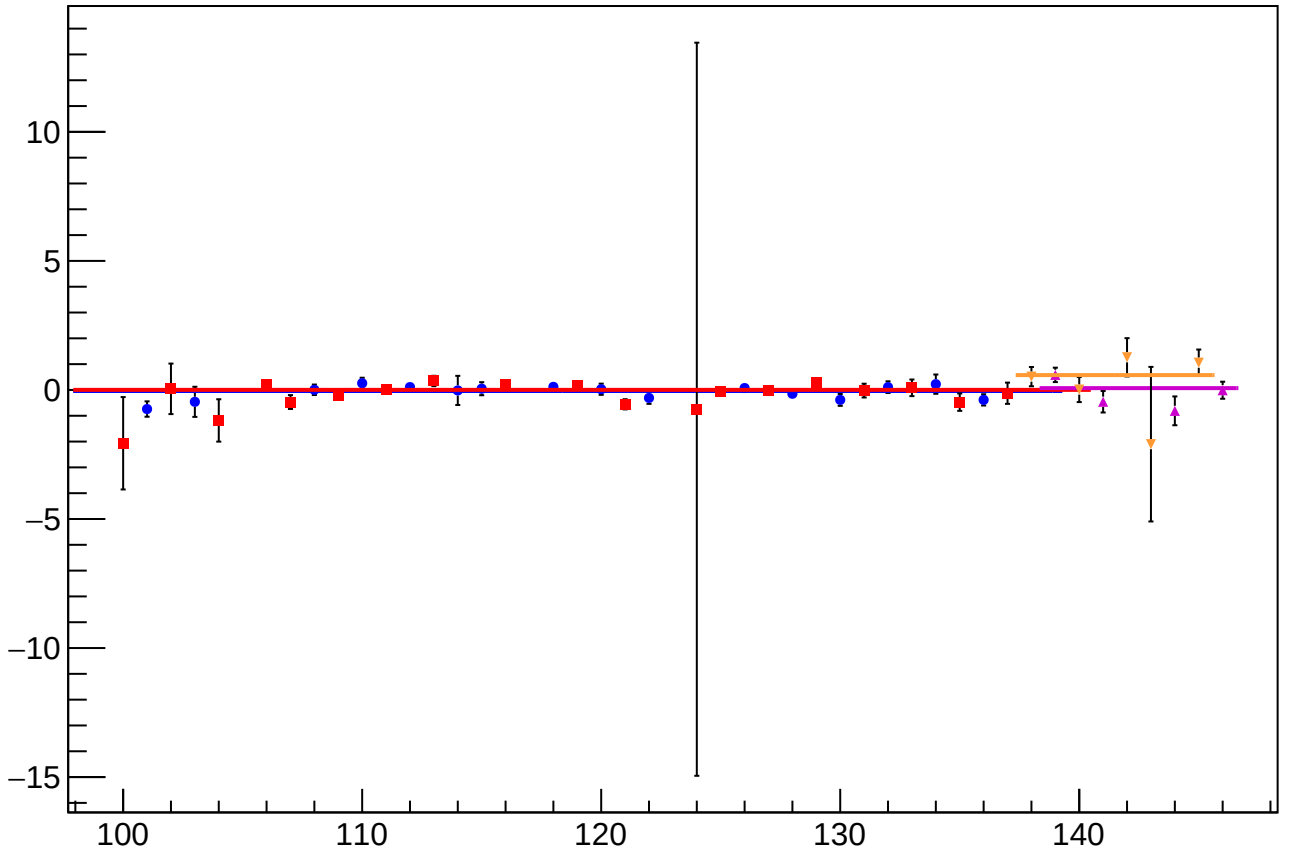
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 317.420+/-0.127 χ^2/NDF:475733.1/3

+ sign 151.310+/-0.038 χ^2/NDF: 5033386.0/20

All: 142.139+/-0.026 χ^2/NDF: 9988397.2/43

- sign 134.696+/-0.035 χ^2/NDF: 4851983.0/22



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.575+/-0.241 χ^2/NDF:3.9/4

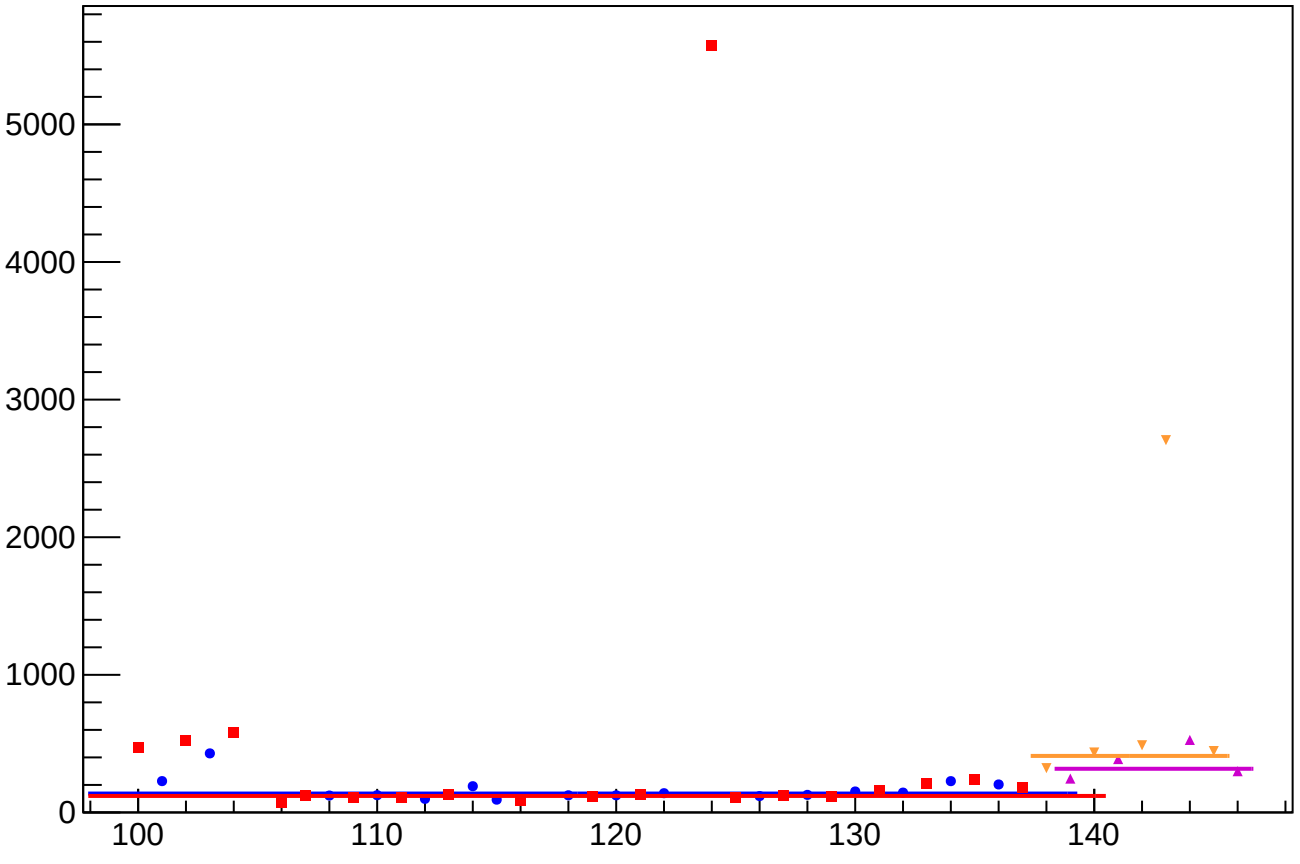
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.071+/-0.180 χ^2/NDF:7.5/3

+ sign -0.008+/-0.054 χ^2/NDF: 28.0/20

All: 0.001+/-0.036 χ^2/NDF: 64.4/43

- sign 0.008+/-0.049 χ^2/NDF: 36.4/22



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 410.838+/-0.170 χ^2/NDF:1324003.9/4

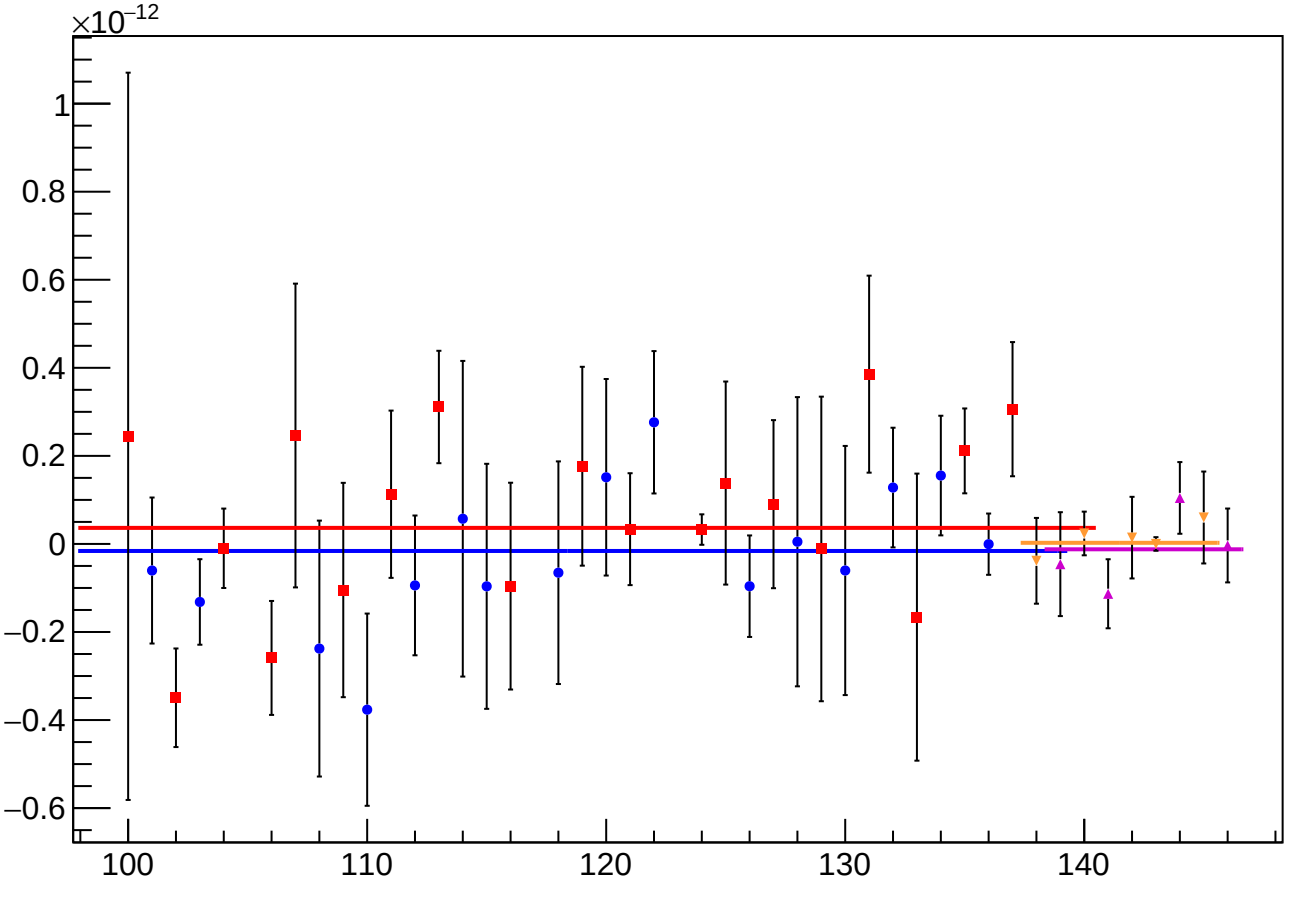
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 317.420+/-0.127 χ^2/NDF:475733.1/3

+ sign 151.310+/-0.038 χ^2/NDF: 5033386.0/20

All: 142.139+/-0.026 χ^2/NDF: 9988397.2/43

- sign 134.696+/-0.035 χ^2/NDF: 4851983.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/4

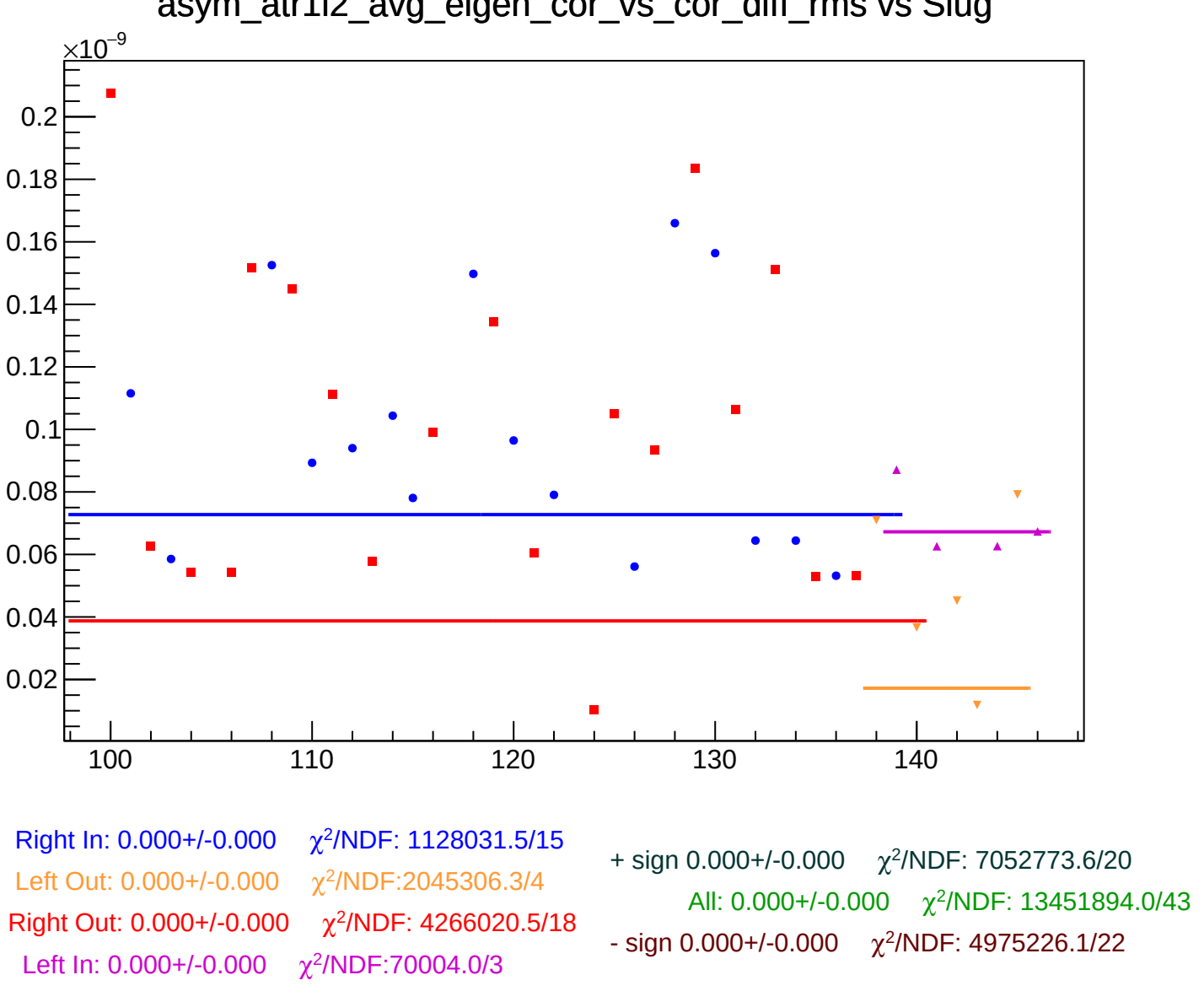
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

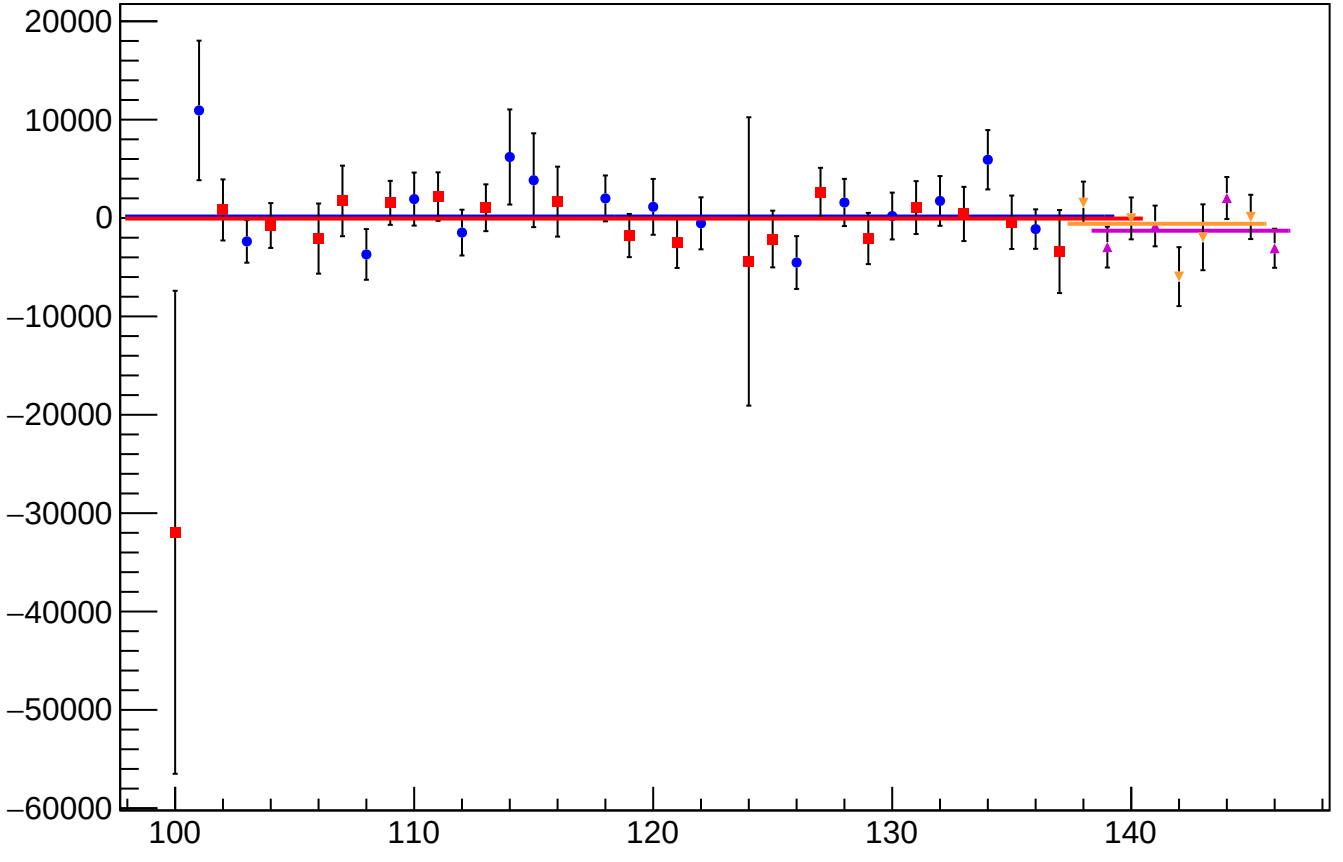
+ sign 0.000+/-0.000 χ^2/NDF: 13.2/20

All: 0.000+/-0.000 χ^2/NDF: 52.0/43

- sign 0.000+/-0.000 χ^2/NDF: 37.9/22


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
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2045306.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:70004.0/3
+ sign 0.000+/-0.000 χ²/NDF: 7052773.6/20
All: 0.000+/-0.000 χ²/NDF: 13451894.0/43
- sign 0.000+/-0.000 χ²/NDF: 4975226.1/22

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: -584.634+/-1094.502 χ^2/NDF:4.5/4

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

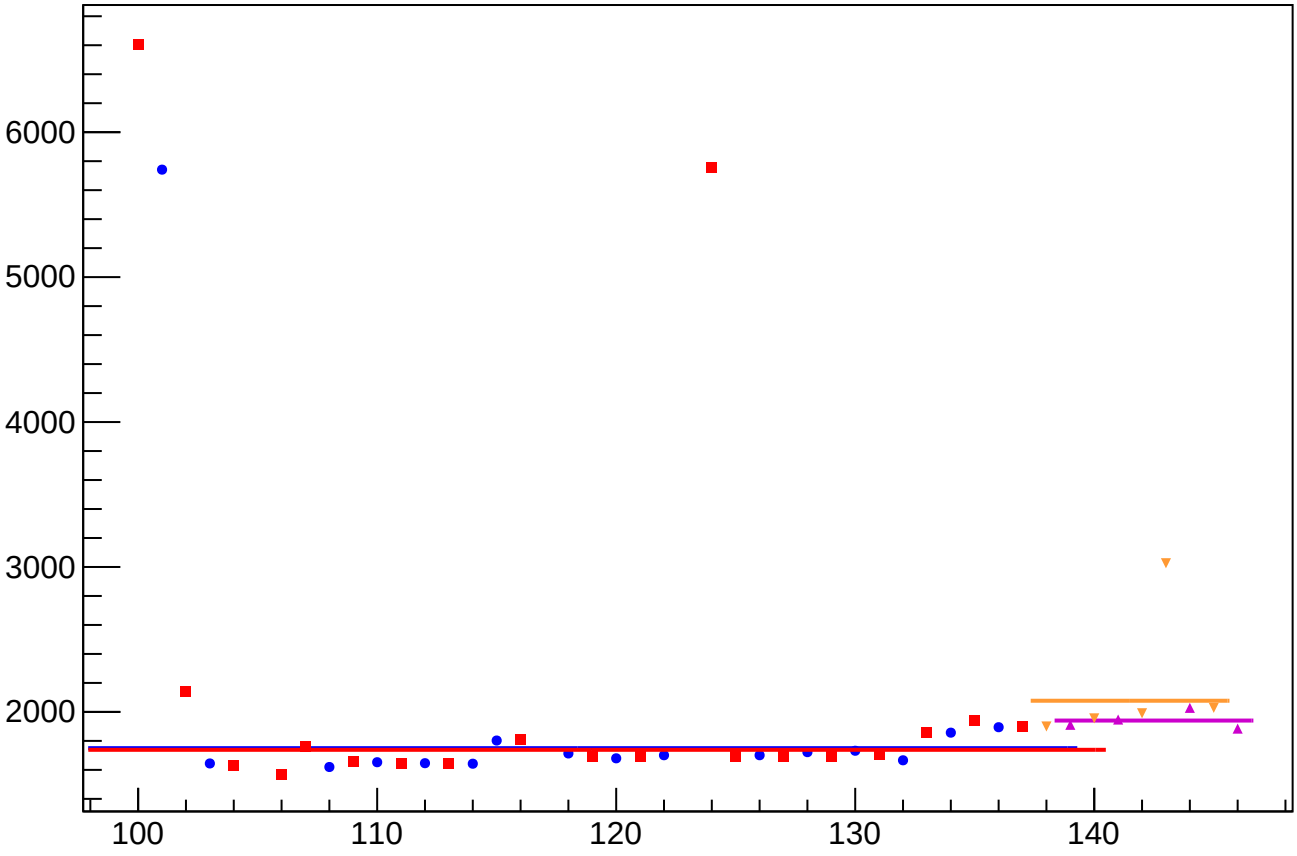
Left In: -1288.296+/-1032.659 χ^2/NDF:3.9/3

+ sign -48.431+/-569.588 χ^2/NDF: 22.5/20

All: -233.639+/-396.868 χ^2/NDF: 36.6/43

- sign -408.394+/-553.279 χ^2/NDF: 13.9/22

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 2077.085+/-0.774 χ^2/NDF:183268.4/4

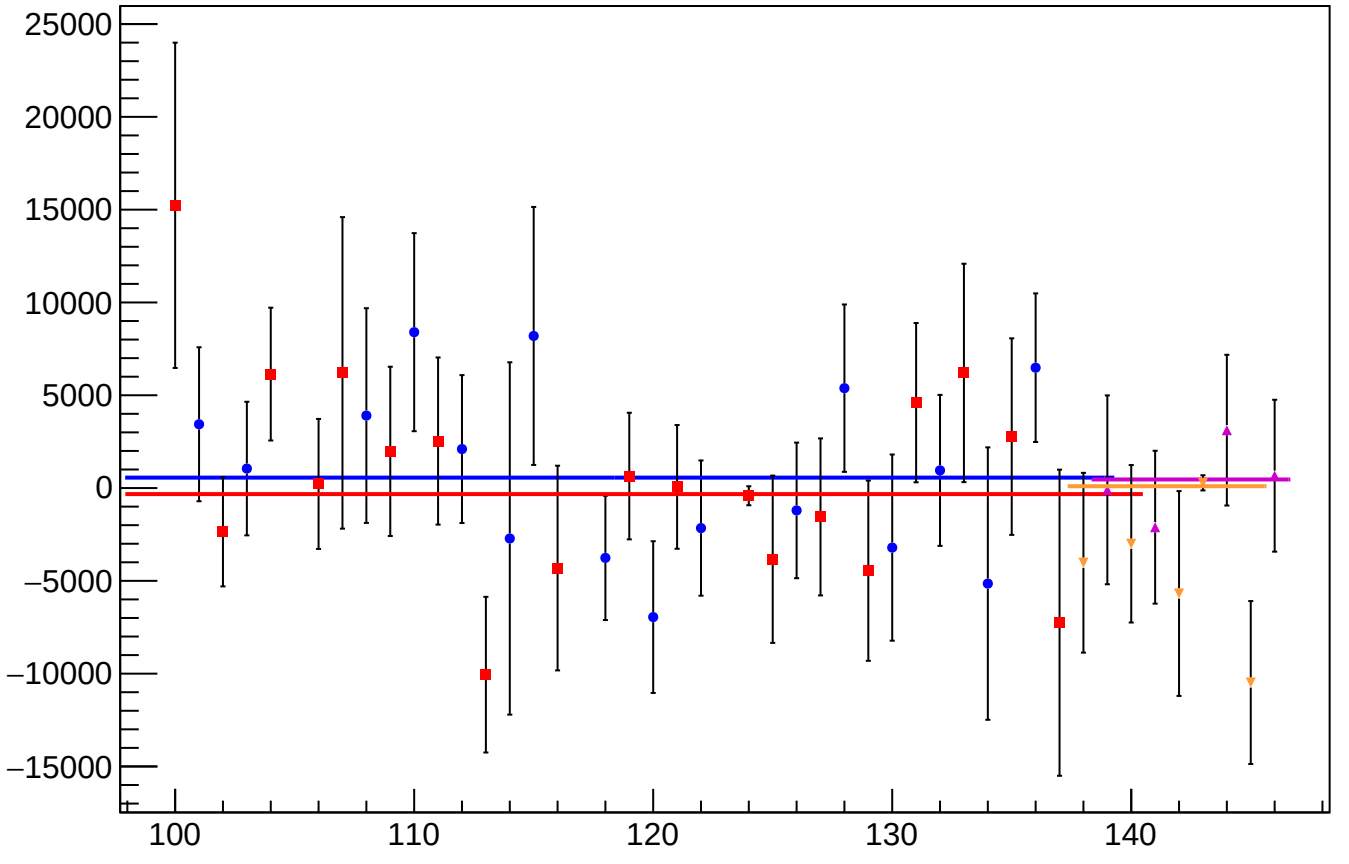
Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

+ sign 1838.484+/-0.403 χ^2/NDF: 983194.0/20

All: 1816.426+/-0.280 χ^2/NDF: 1353549.9/43

- sign 1795.832+/-0.389 χ^2/NDF: 364556.2/22



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 99.211+/-402.974 χ^2/NDF:8.4/4

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

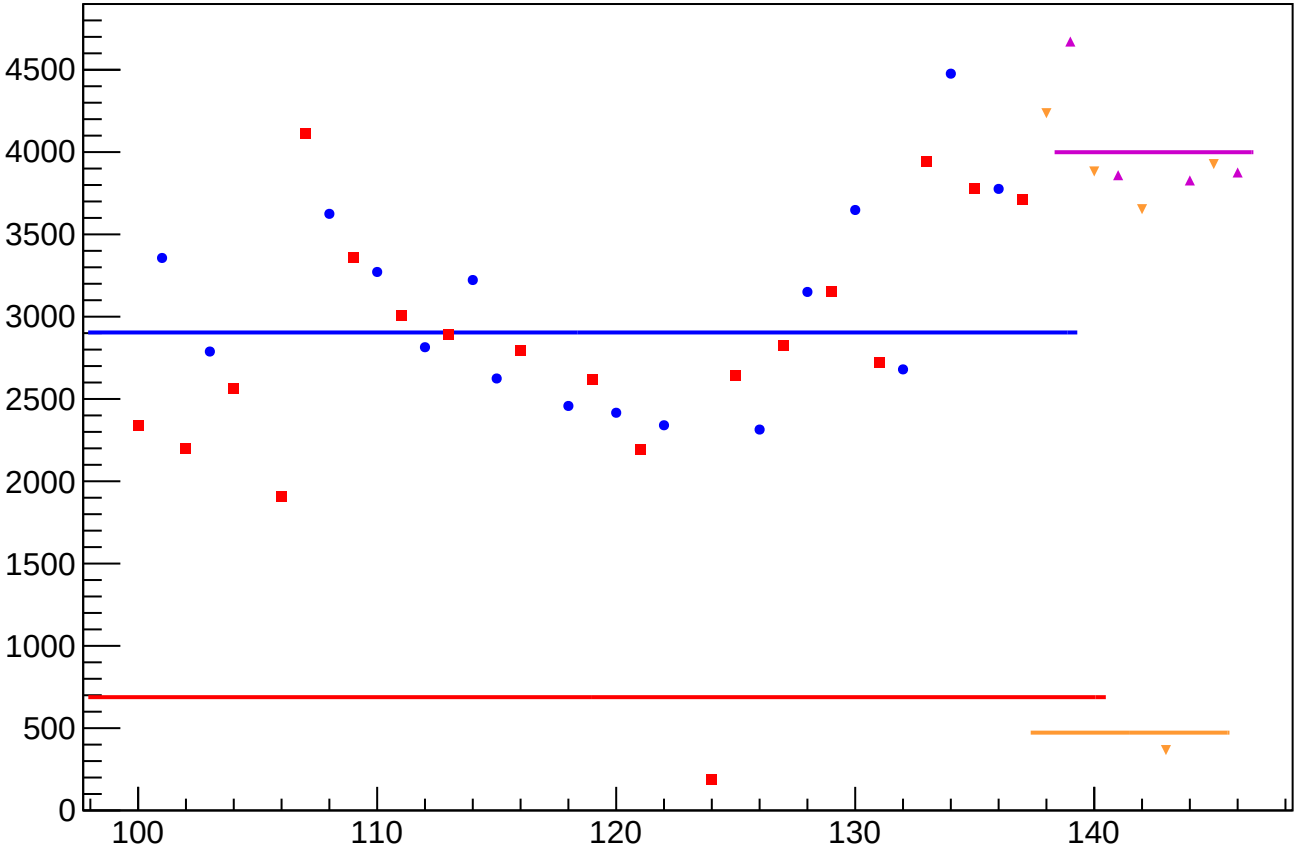
Left In: 462.632+/-2142.059 χ^2/NDF:0.8/3

\+ sign 153.909+/-378.430 χ^2/NDF: 23.3/20

All: -31.488+/-289.048 χ^2/NDF: 44.1/43

\- sign -291.116+/-447.828 χ^2/NDF: 20.2/22

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 472.795+/-0.285 χ^2/NDF:4535930.3/4

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

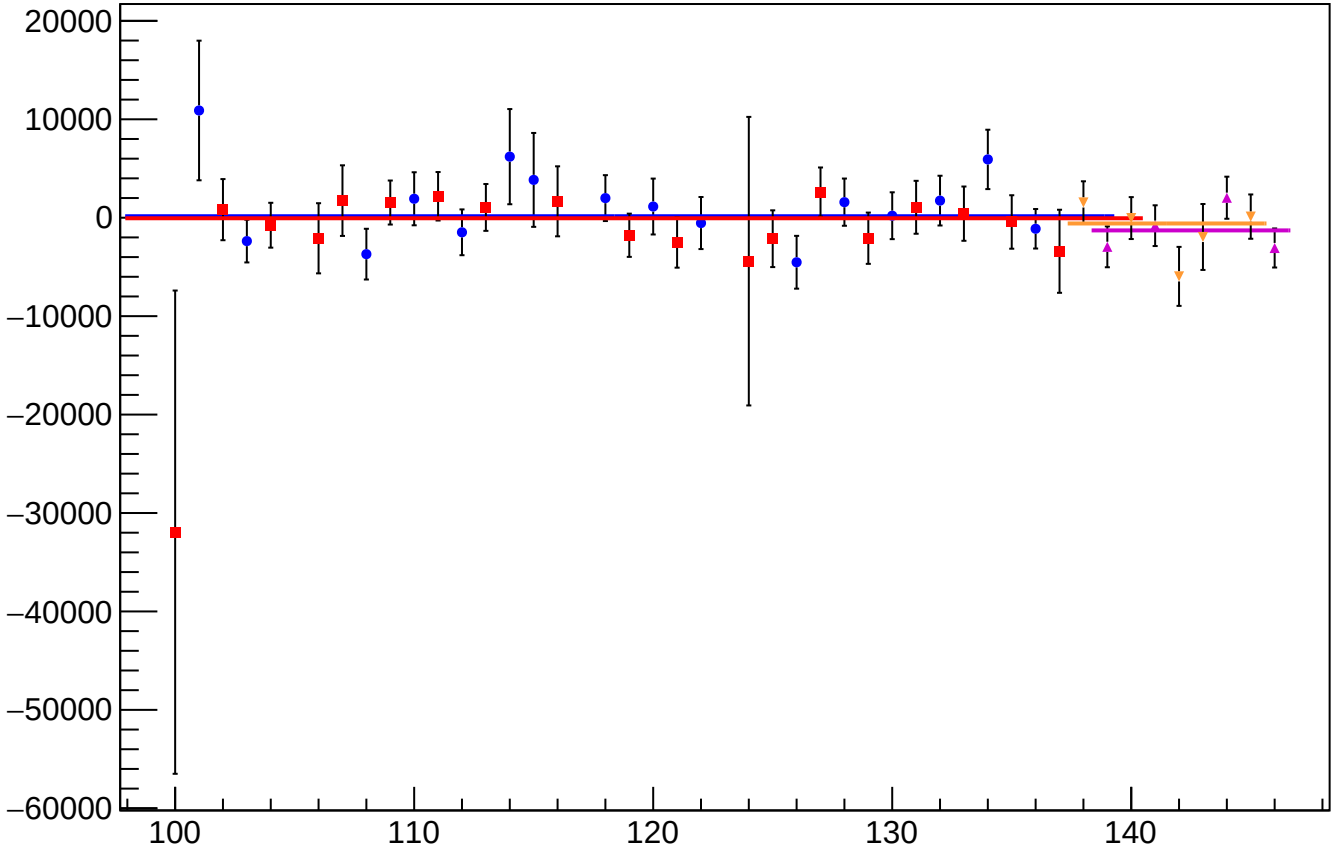
Left In: 3999.243+/-1.515 χ^2/NDF:42603.0/3

+ sign 759.940+/-0.268 χ^2/NDF: 13613918.5/20

All: 790.390+/-0.204 χ^2/NDF: 28405888.0/43

- sign 833.033+/-0.317 χ^2/NDF: 14760886.2/22

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -584.646+/-1094.502 χ^2/NDF:4.5/4

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

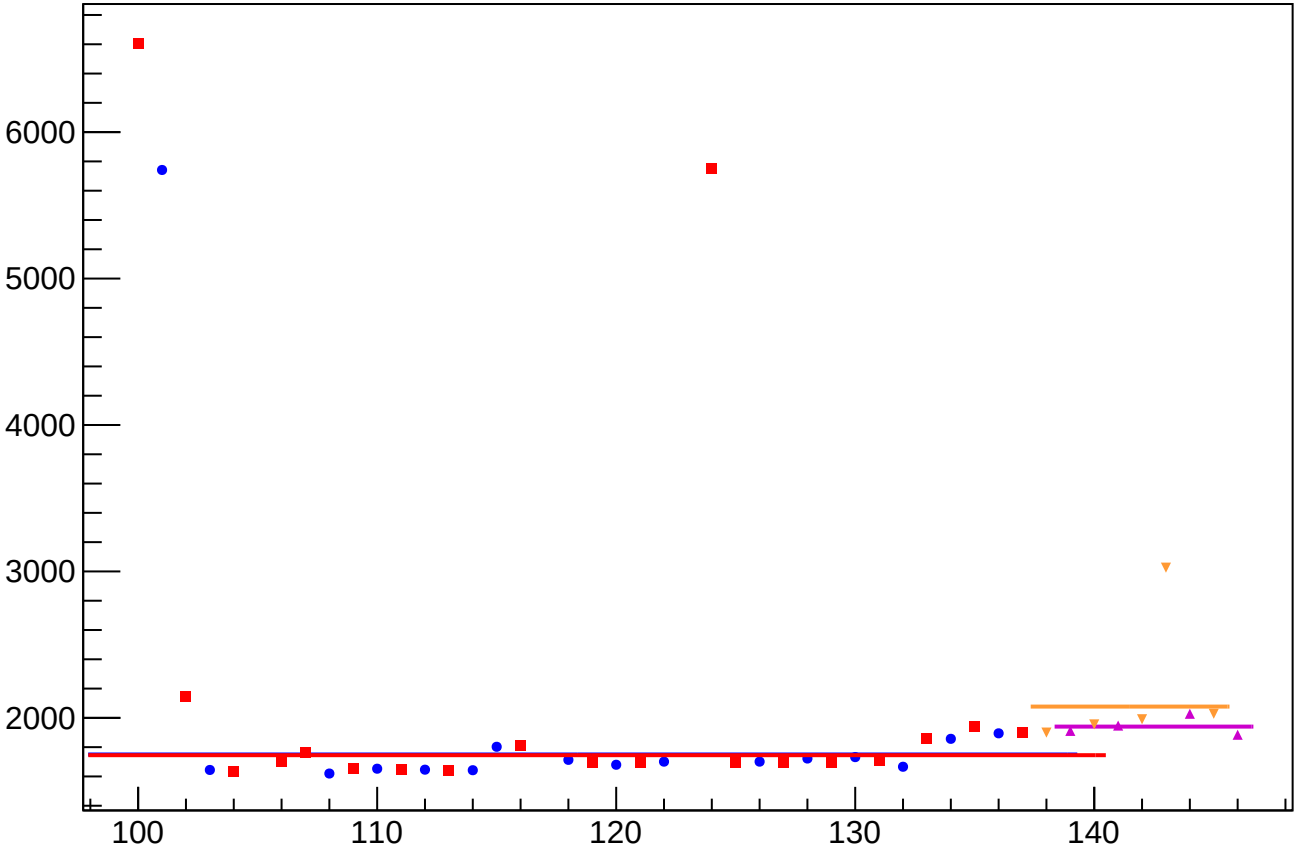
Left In: -1288.369+/-1032.659 χ^2/NDF:3.9/3

+ sign -48.775+/-569.588 χ^2/NDF: 22.5/20

All: -233.836+/-396.868 χ^2/NDF: 36.6/43

- sign -408.451+/-553.279 χ^2/NDF: 13.9/22

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2077.085+/-0.774 χ^2/NDF:183268.4/4

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

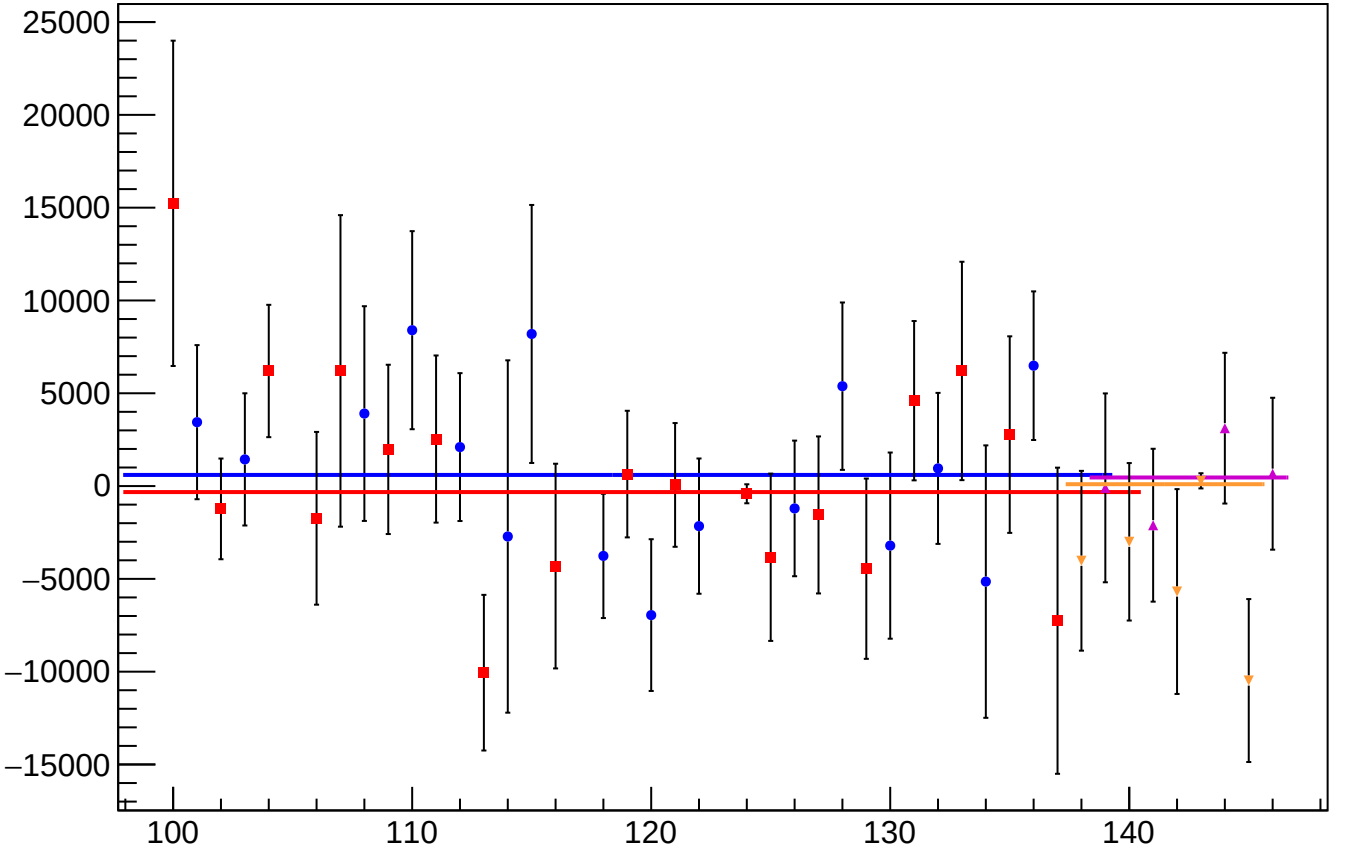
Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

+ sign 1838.484+/-0.403 χ^2/NDF: 983194.5/20

All: 1819.102+/-0.280 χ^2/NDF: 1342051.0/43

- sign 1800.912+/-0.390 χ^2/NDF: 354367.6/22

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 100.200+/-403.009 χ^2/NDF:8.4/4

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

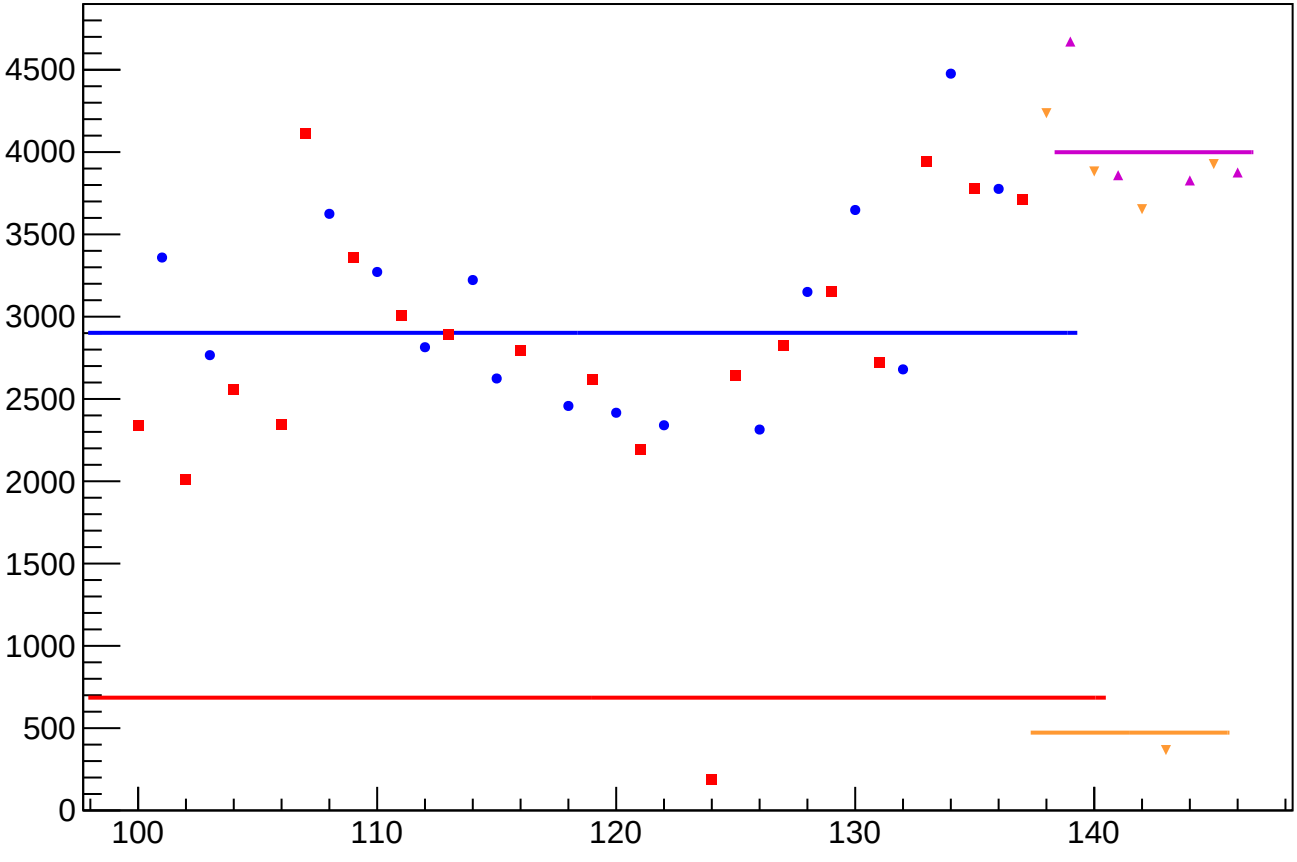
Left In: 462.655+/-2142.052 χ^2/NDF:0.8/3

+ sign 159.360+/-378.417 χ^2/NDF: 23.4/20

All: -26.872+/-289.271 χ^2/NDF: 44.0/43

- sign -288.686+/-448.683 χ^2/NDF: 20.0/22

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 472.853+/-0.285 χ^2/NDF:4535807.7/4

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

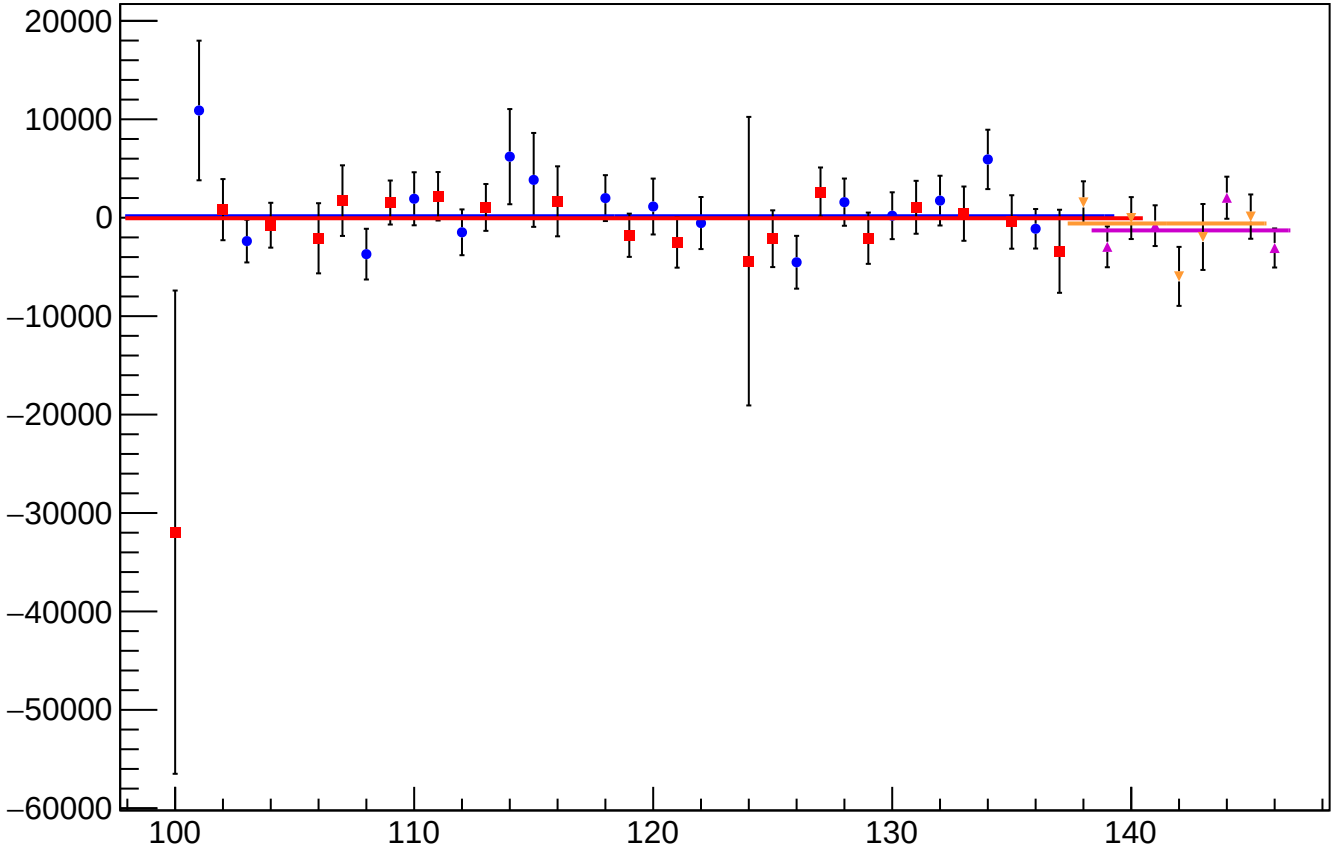
Left In: 3999.231+/-1.515 χ^2/NDF:42602.2/3

+ sign 760.252+/-0.268 χ^2/NDF: 13613106.0/20

All: 789.517+/-0.205 χ^2/NDF: 28367302.4/43

- sign 830.658+/-0.317 χ^2/NDF: 14725419.9/22

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -584.646+/-1094.502 χ^2/NDF:4.5/4

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

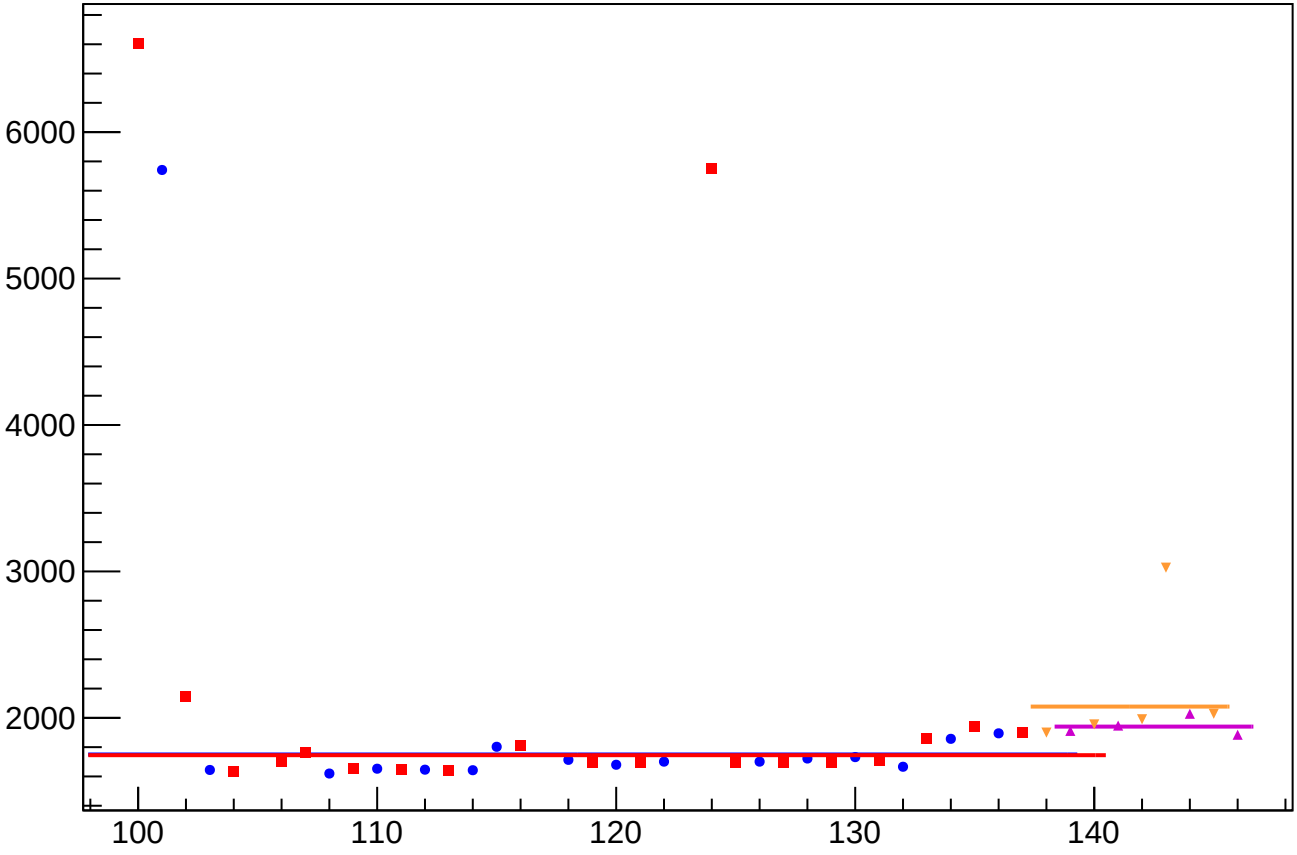
Left In: -1288.369+/-1032.659 χ^2/NDF:3.9/3

+ sign -48.775+/-569.588 χ^2/NDF: 22.5/20

All: -233.836+/-396.868 χ^2/NDF: 36.6/43

- sign -408.451+/-553.279 χ^2/NDF: 13.9/22

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2077.085+/-0.774 χ^2/NDF:183268.4/4

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

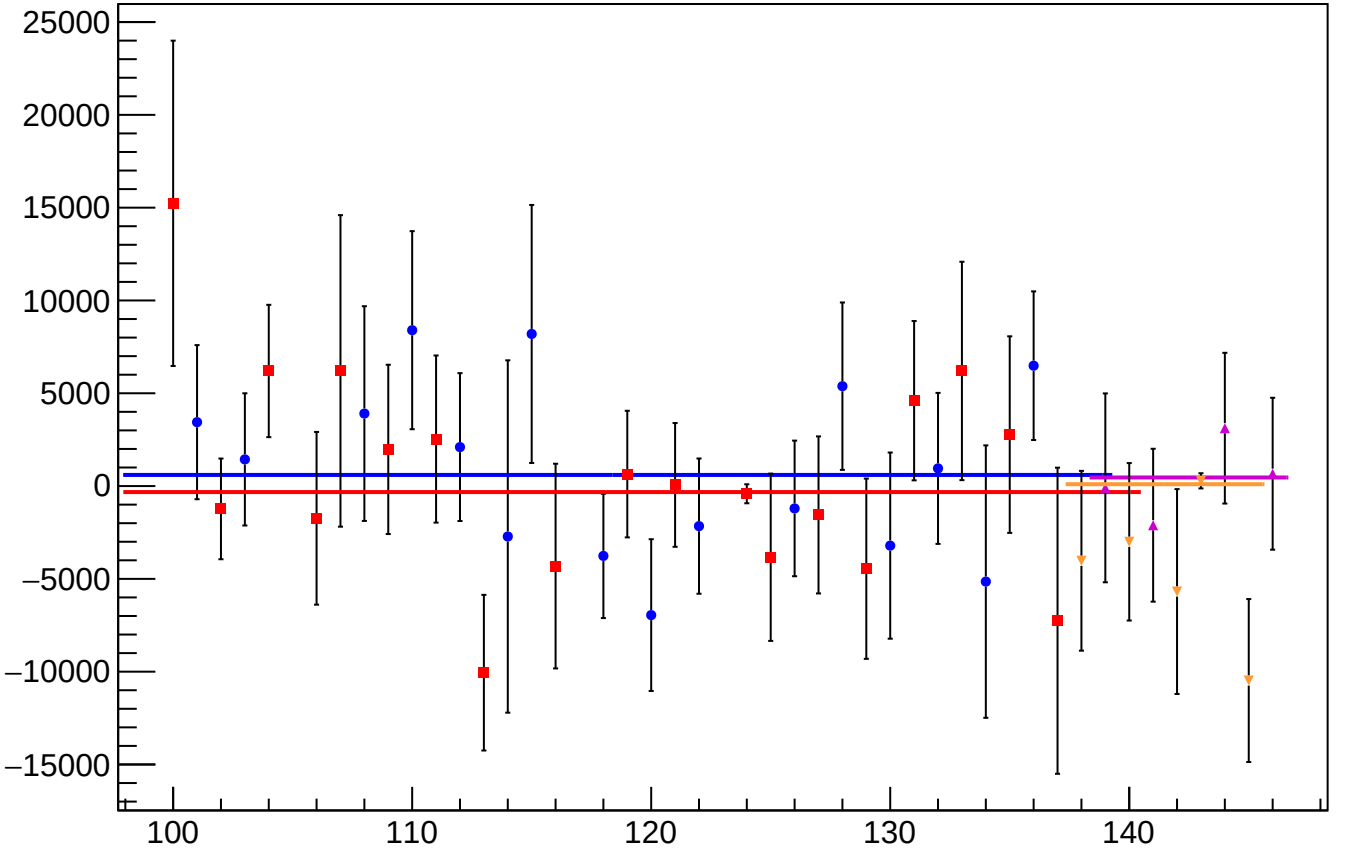
Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

+ sign 1838.484+/-0.403 χ^2/NDF: 983194.5/20

All: 1819.102+/-0.280 χ^2/NDF: 1342051.0/43

- sign 1800.912+/-0.390 χ^2/NDF: 354367.6/22

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 100.200+/-403.009 χ^2/NDF:8.4/4

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

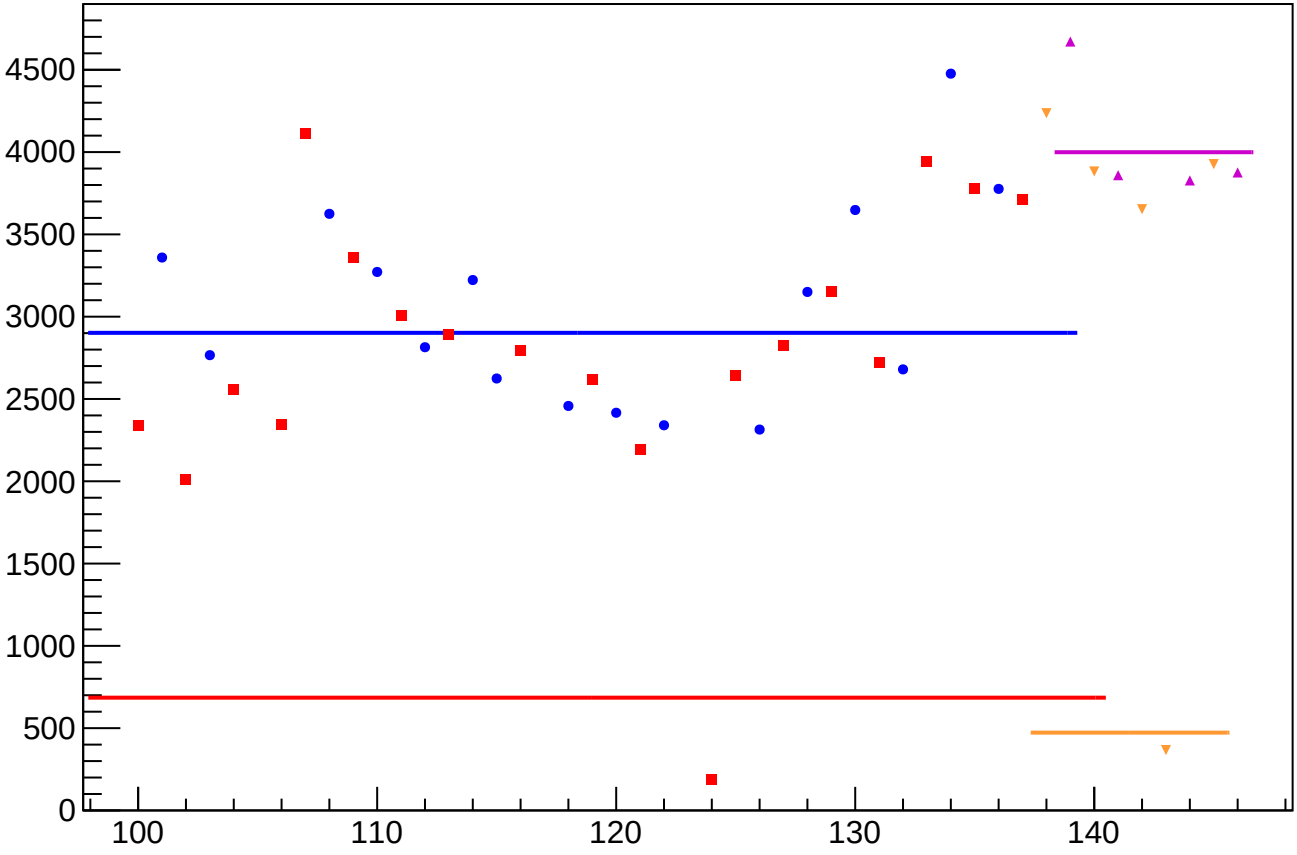
Left In: 462.655+/-2142.052 χ^2/NDF:0.8/3

+ sign 159.360+/-378.417 χ^2/NDF: 23.4/20

All: -26.872+/-289.271 χ^2/NDF: 44.0/43

- sign -288.686+/-448.683 χ^2/NDF: 20.0/22

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 472.853+/-0.285 χ^2/NDF:4535807.7/4

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

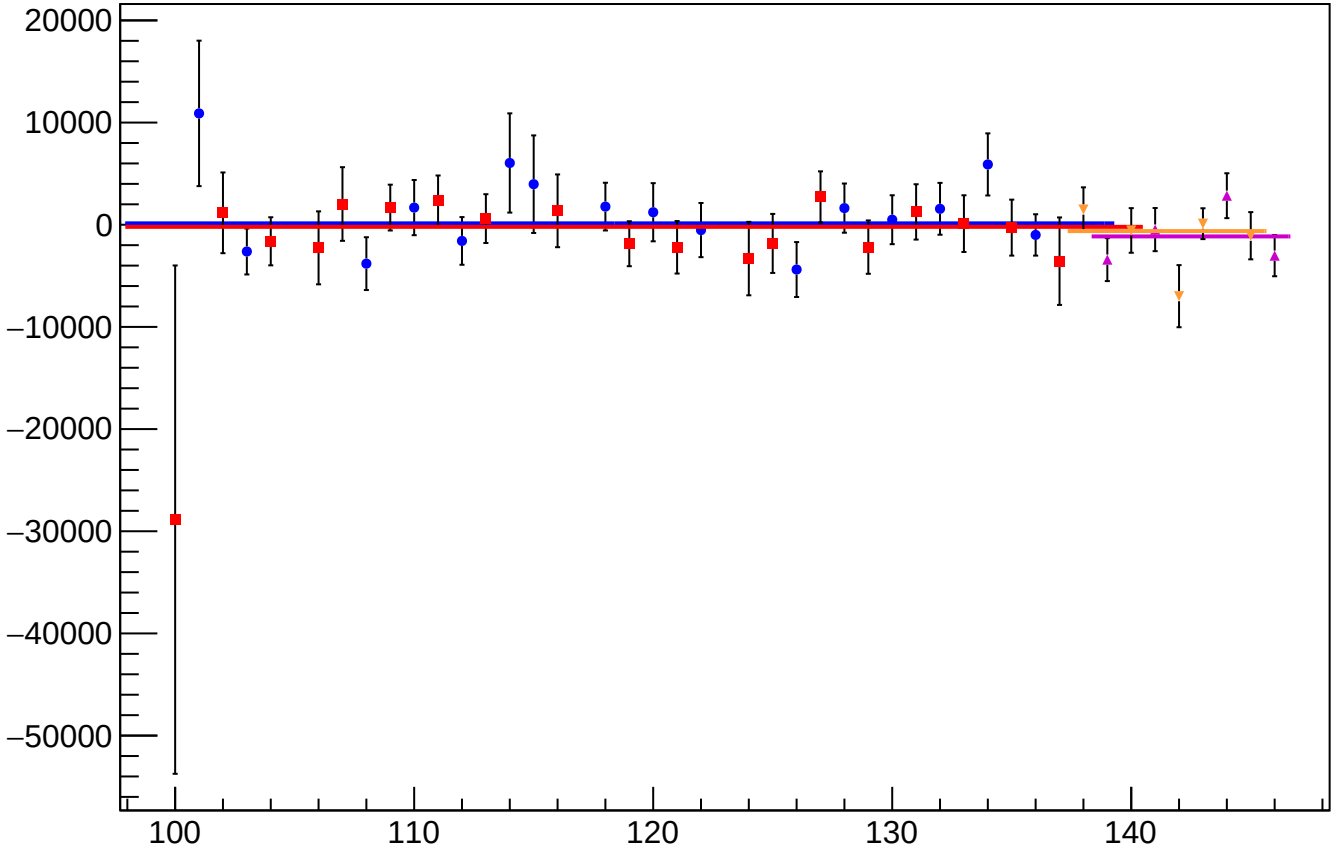
Left In: 3999.231+/-1.515 χ^2/NDF:42602.2/3

+ sign 760.252+/-0.268 χ^2/NDF: 13613106.0/20

All: 789.517+/-0.205 χ^2/NDF: 28367302.4/43

- sign 830.658+/-0.317 χ^2/NDF: 14725419.9/22

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: -619.674+/-930.468 χ^2/NDF:5.6/4

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

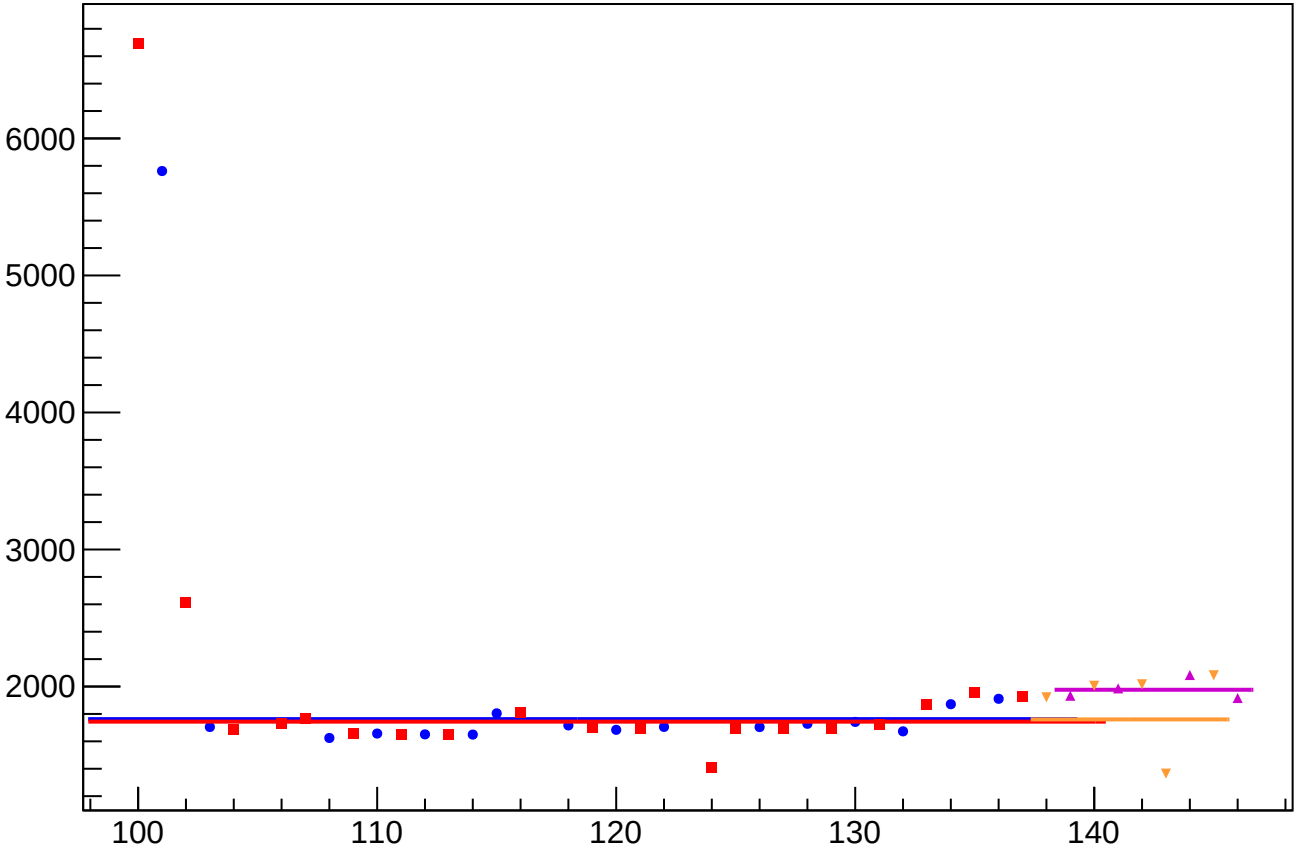
Left In: -1142.893+/-1052.083 χ^2/NDF:5.4/3

+ sign -124.271+/-544.575 χ^2/NDF: 23.3/20

All: -292.154+/-388.948 χ^2/NDF: 39.2/43

- sign -466.968+/-555.704 χ^2/NDF: 15.7/22

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1760.010+/-0.658 χ^2/NDF:226739.2/4

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

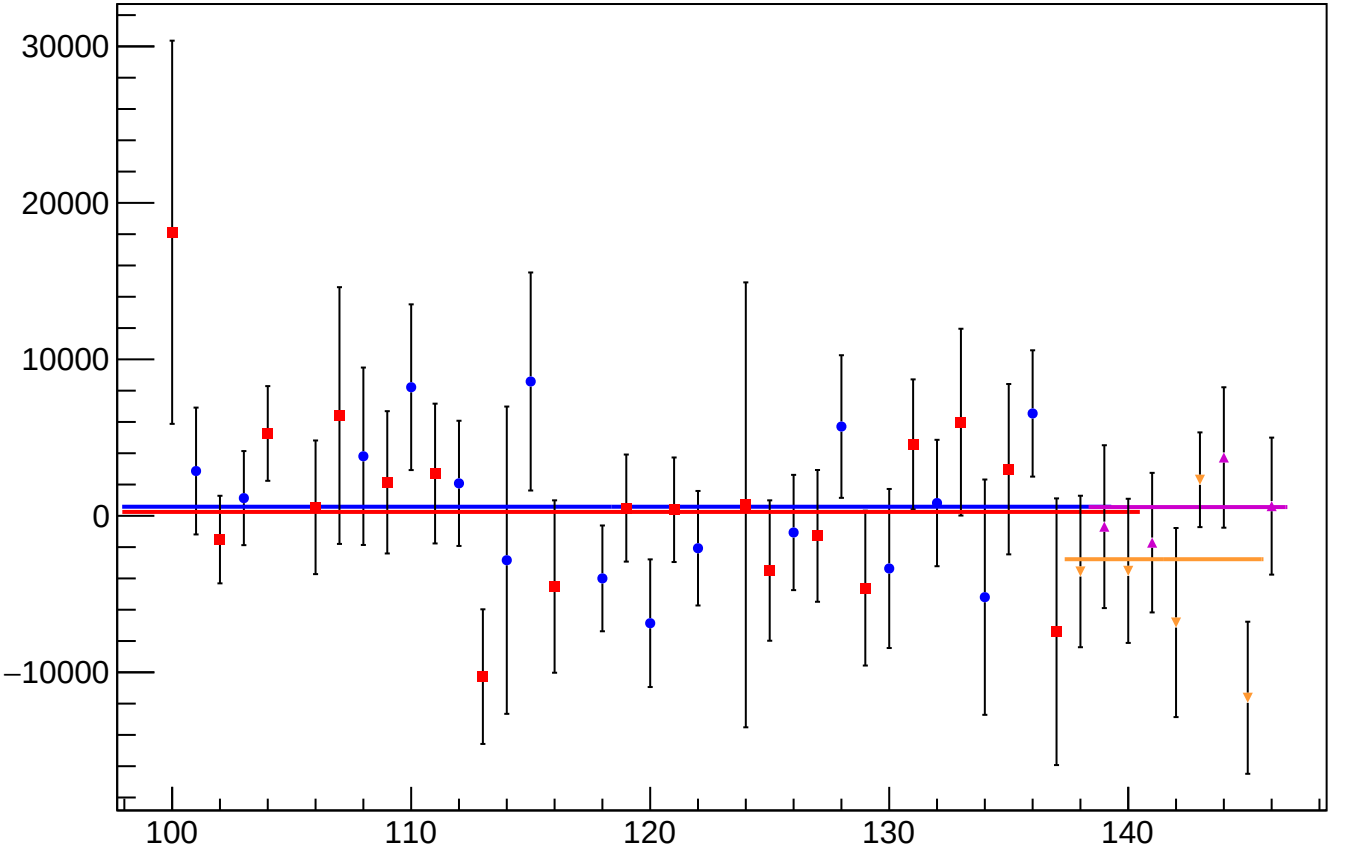
Left In: 1976.384+/-0.744 χ^2/NDF:7488.2/3

+ sign 1761.353+/-0.385 χ^2/NDF: 894442.2/20

All: 1784.431+/-0.275 χ^2/NDF: 1207643.5/43

- sign 1808.363+/-0.392 χ^2/NDF: 305884.5/22

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -2772.048+/-1929.167 χ^2/NDF:6.6/4

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

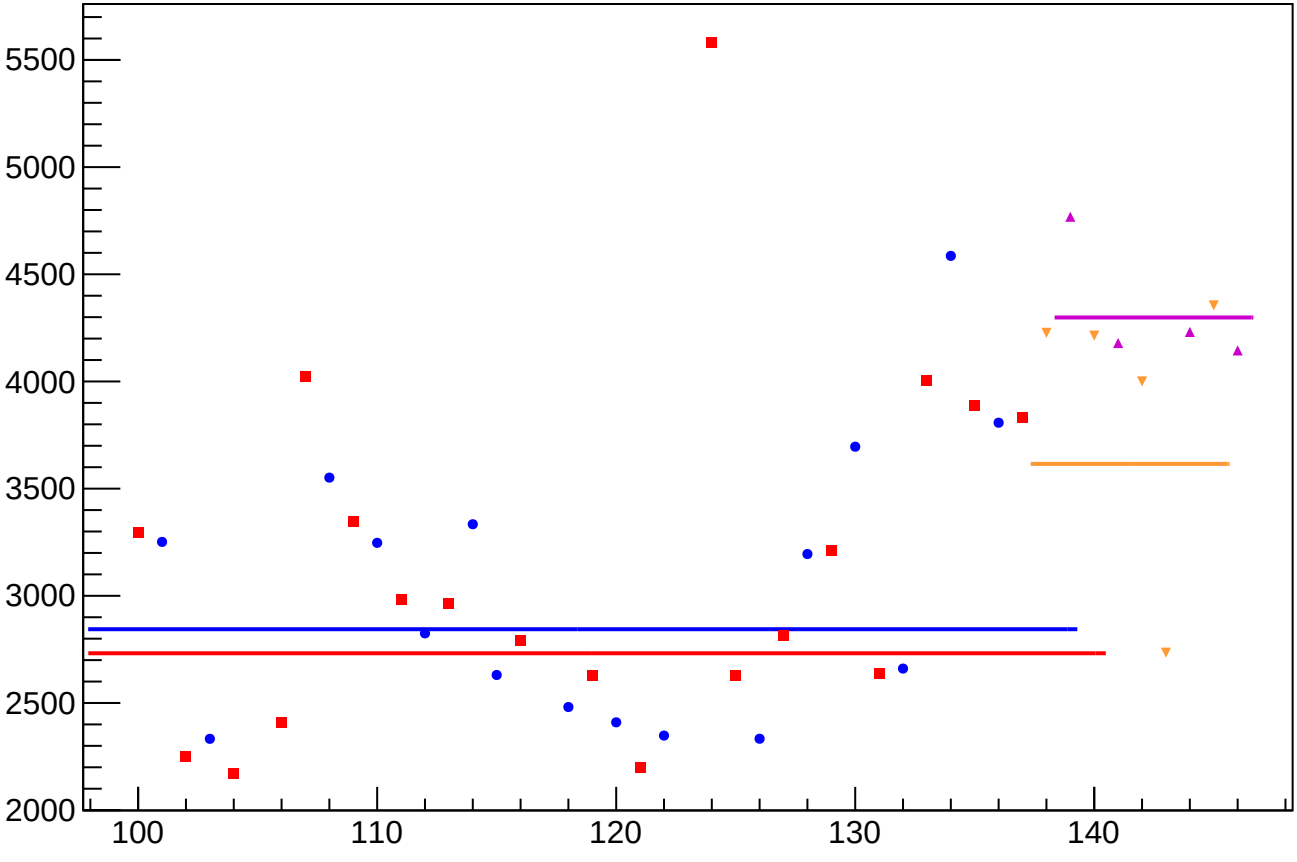
Left In: 560.433+/-2300.033 χ^2/NDF:0.8/3

\+ sign -219.848+/-943.359 χ^2/NDF: 23.8/20

All: 43.543+/-663.434 χ^2/NDF: 42.7/43

\- sign 301.290+/-933.197 χ^2/NDF: 18.8/22

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3615.439+/-1.364 χ^2/NDF:289434.8/4

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

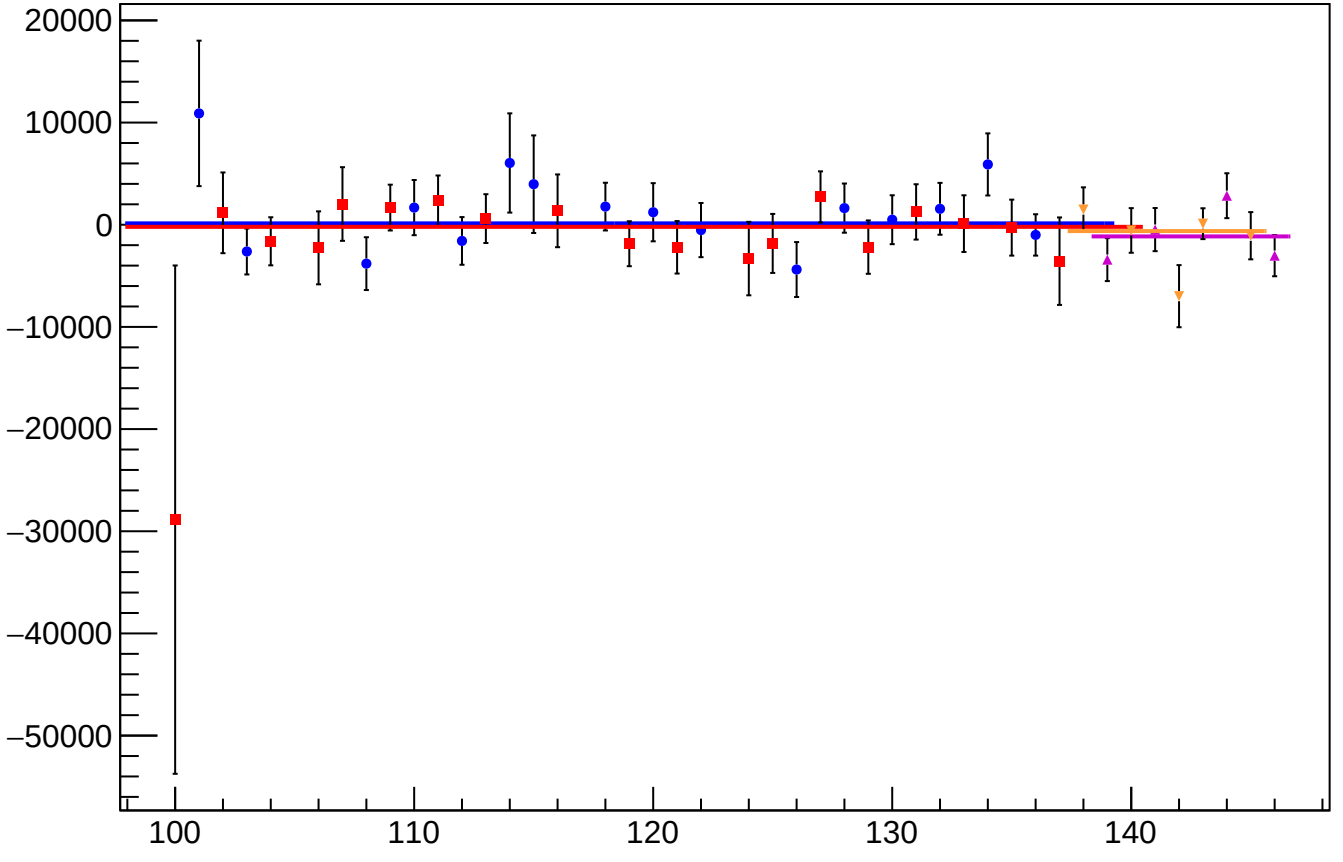
Left In: 4298.505+/-1.626 χ^2/NDF:20656.4/3

+ sign 3028.582+/-0.667 χ^2/NDF: 1074709.3/20

All: 3009.010+/-0.469 χ^2/NDF: 2483381.3/43

- sign 2989.857+/-0.660 χ^2/NDF: 1406968.7/22

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: -619.687+/-930.468 χ^2/NDF:5.6/4

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

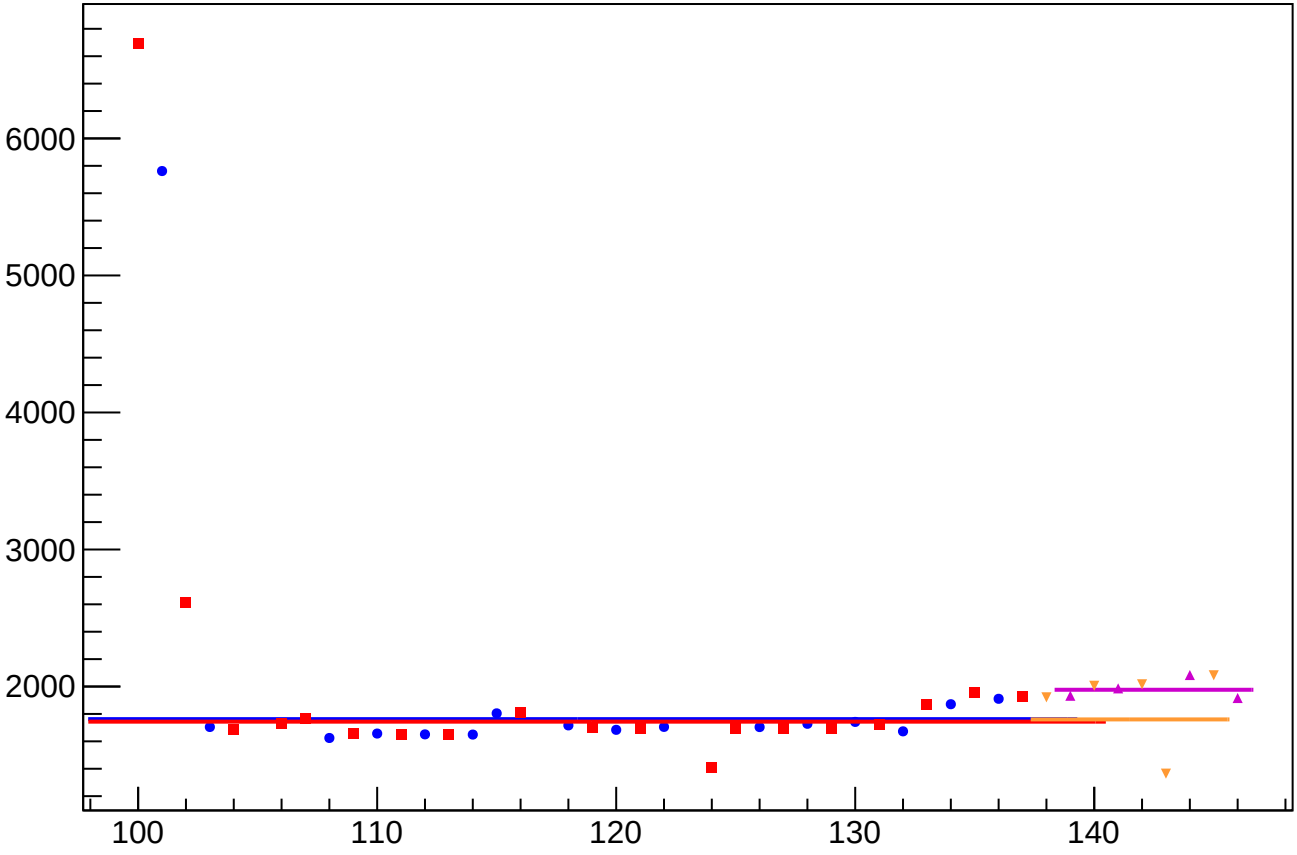
Left In: -1142.888+/-1052.084 χ^2/NDF:5.4/3

+ sign -124.276+/-544.576 χ^2/NDF: 23.3/20

All: -292.155+/-388.948 χ^2/NDF: 39.2/43

- sign -466.965+/-555.704 χ^2/NDF: 15.7/22

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1760.011+/-0.658 χ^2/NDF:226740.1/4

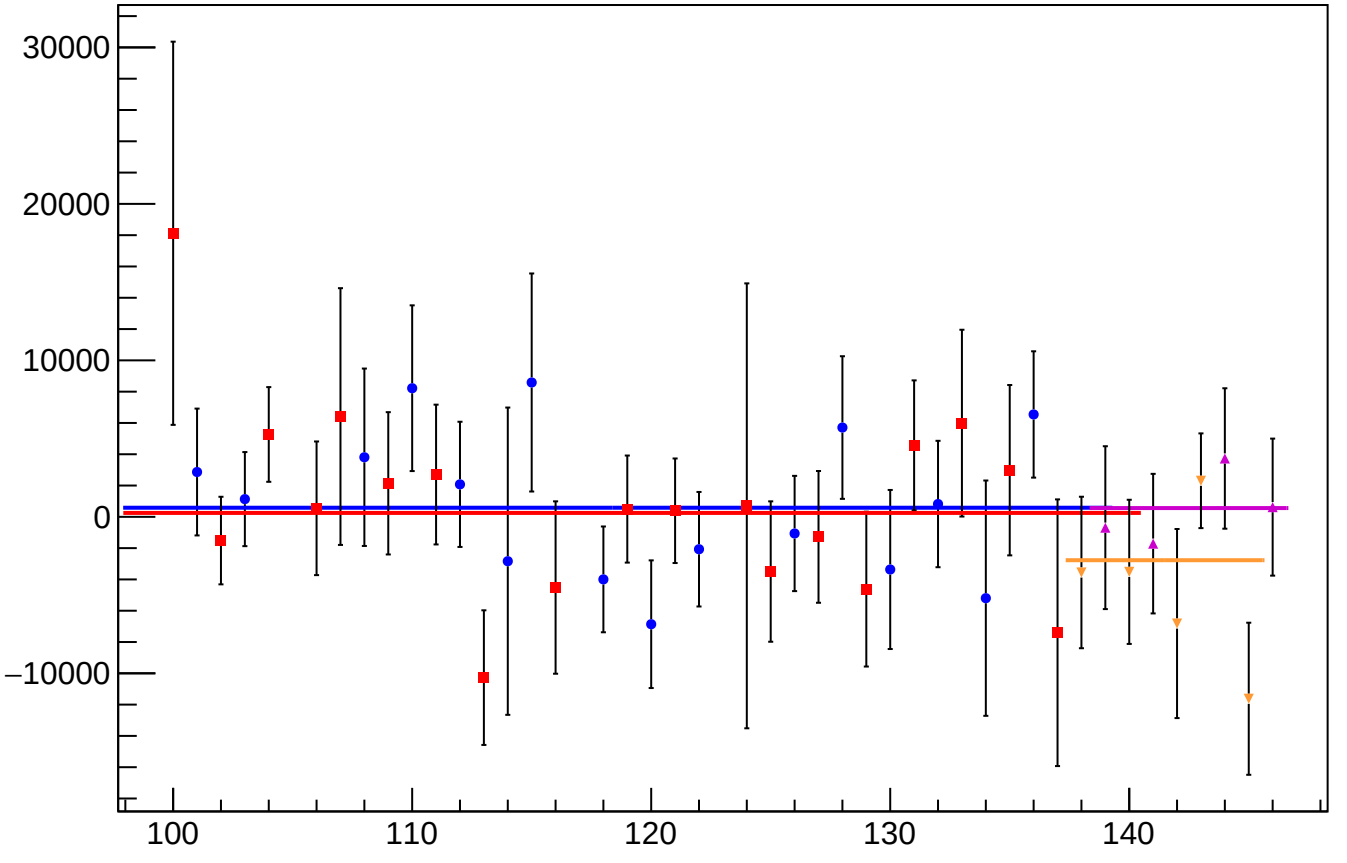
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1976.385+/-0.744 χ^2/NDF:7488.3/3

+ sign 1761.353+/-0.385 χ^2/NDF: 894443.1/20

All: 1784.432+/-0.275 χ^2/NDF: 1207645.2/43

- sign 1808.364+/-0.392 χ^2/NDF: 305885.2/22



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -2772.051+/-1929.170 χ^2/NDF:6.6/4

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

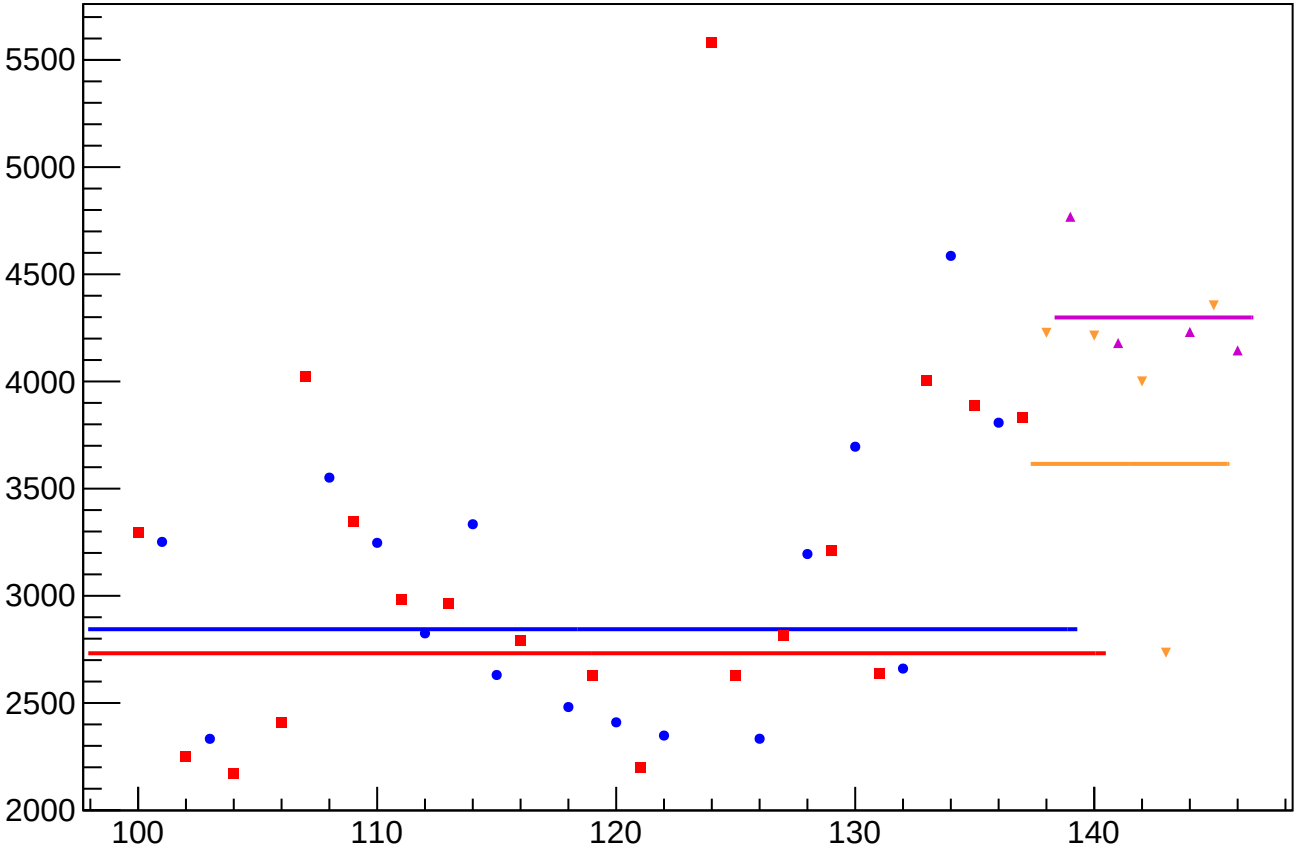
Left In: 560.434+/-2300.038 χ^2/NDF:0.8/3

+ sign -219.847+/-943.358 χ^2/NDF: 23.8/20

All: 43.544+/-663.433 χ^2/NDF: 42.7/43

- sign 301.291+/-933.196 χ^2/NDF: 18.8/22

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3615.444+/-1.364 χ^2/NDF:289438.8/4

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

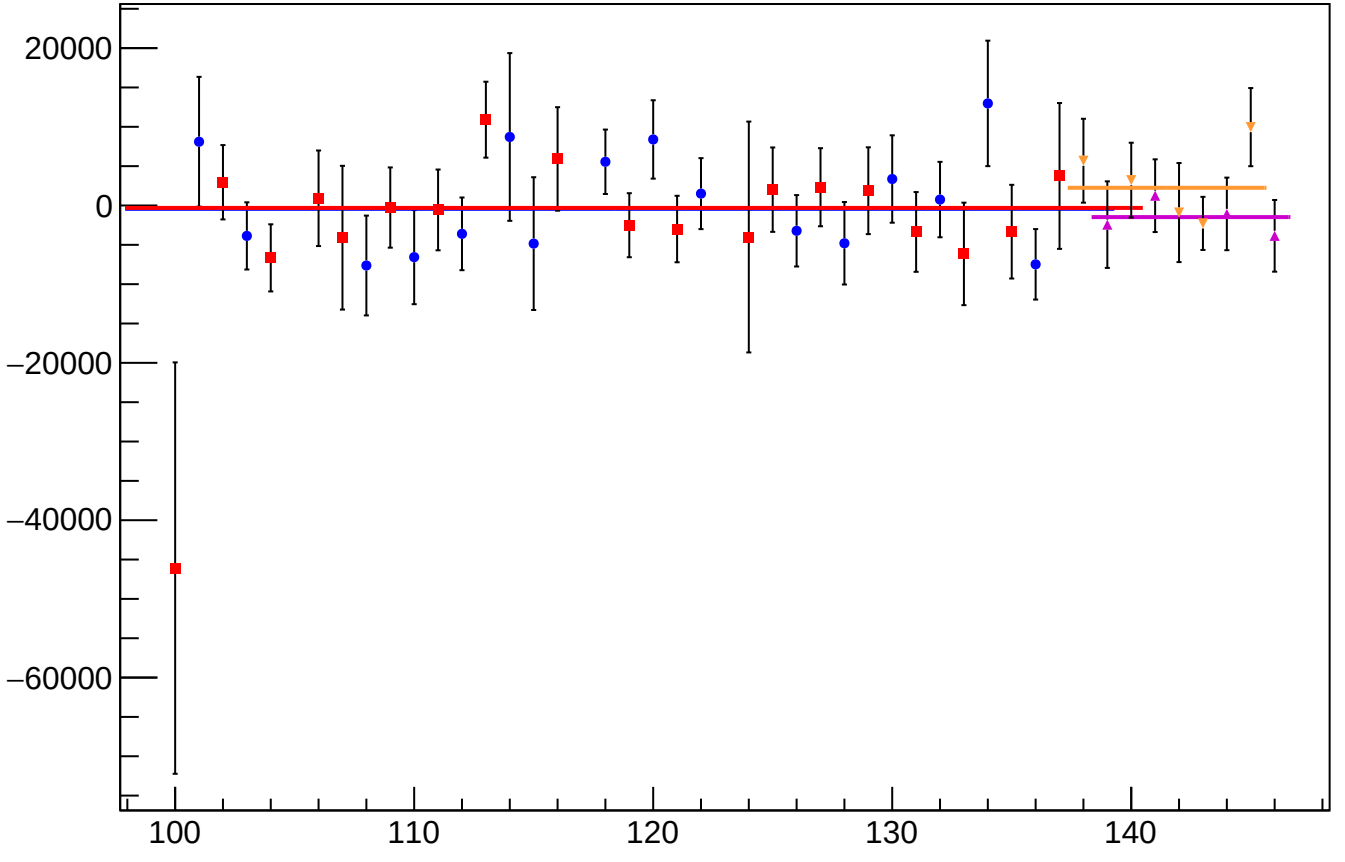
Left In: 4298.514+/-1.626 χ^2/NDF:20657.1/3

+ sign 3028.576+/-0.667 χ^2/NDF: 1074724.8/20

All: 3009.004+/-0.469 χ^2/NDF: 2483407.0/43

- sign 2989.852+/-0.660 χ^2/NDF: 1406978.9/22

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 2249.277+/-2072.102 χ^2/NDF:4.9/4

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

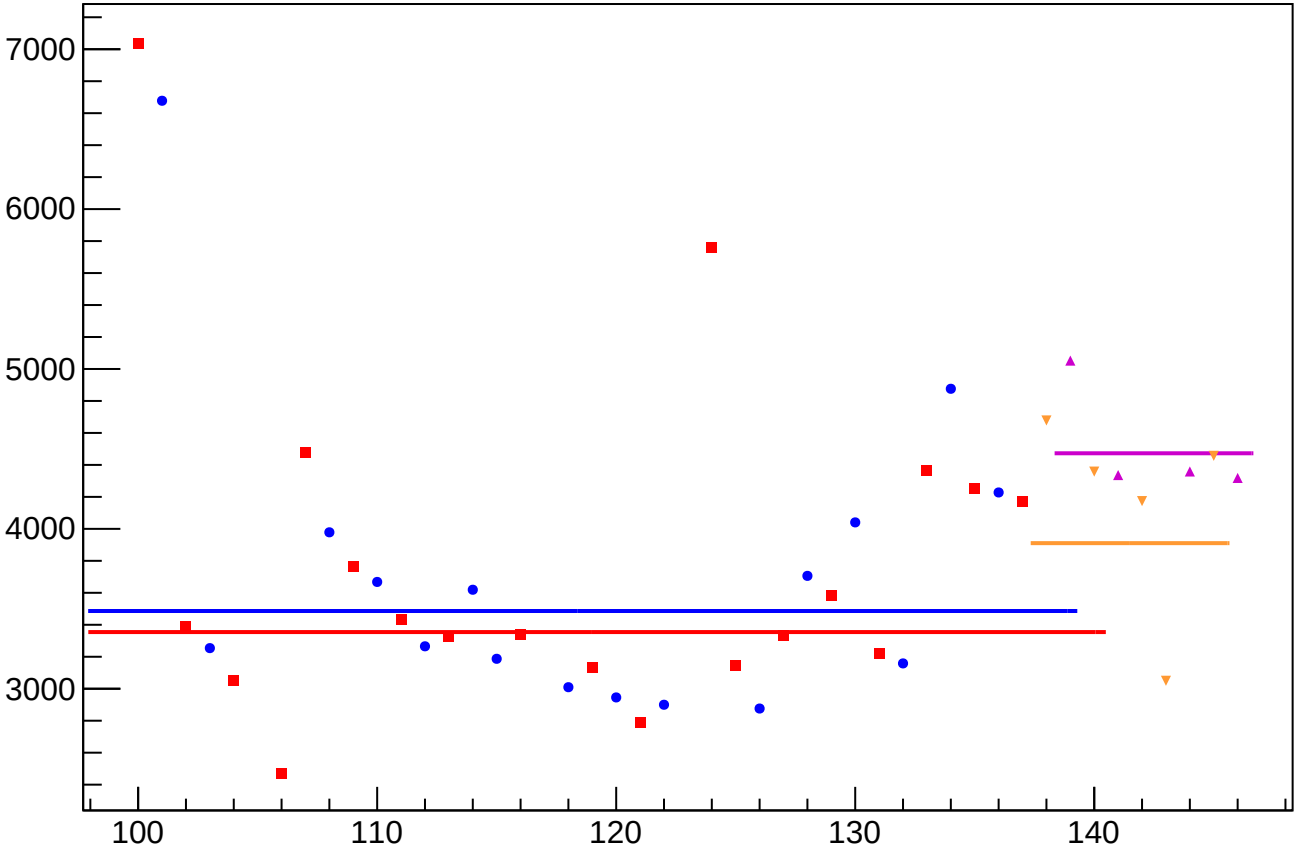
Left In: -1475.200+/-2389.780 χ^2/NDF:0.7/3

+ sign 354.339+/-1117.639 χ^2/NDF: 24.0/20

All: -102.998+/-793.021 χ^2/NDF: 40.4/43

- sign -566.712+/-1125.405 χ^2/NDF: 16.1/22

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3910.622+/-1.465 χ^2/NDF:216870.8/4

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

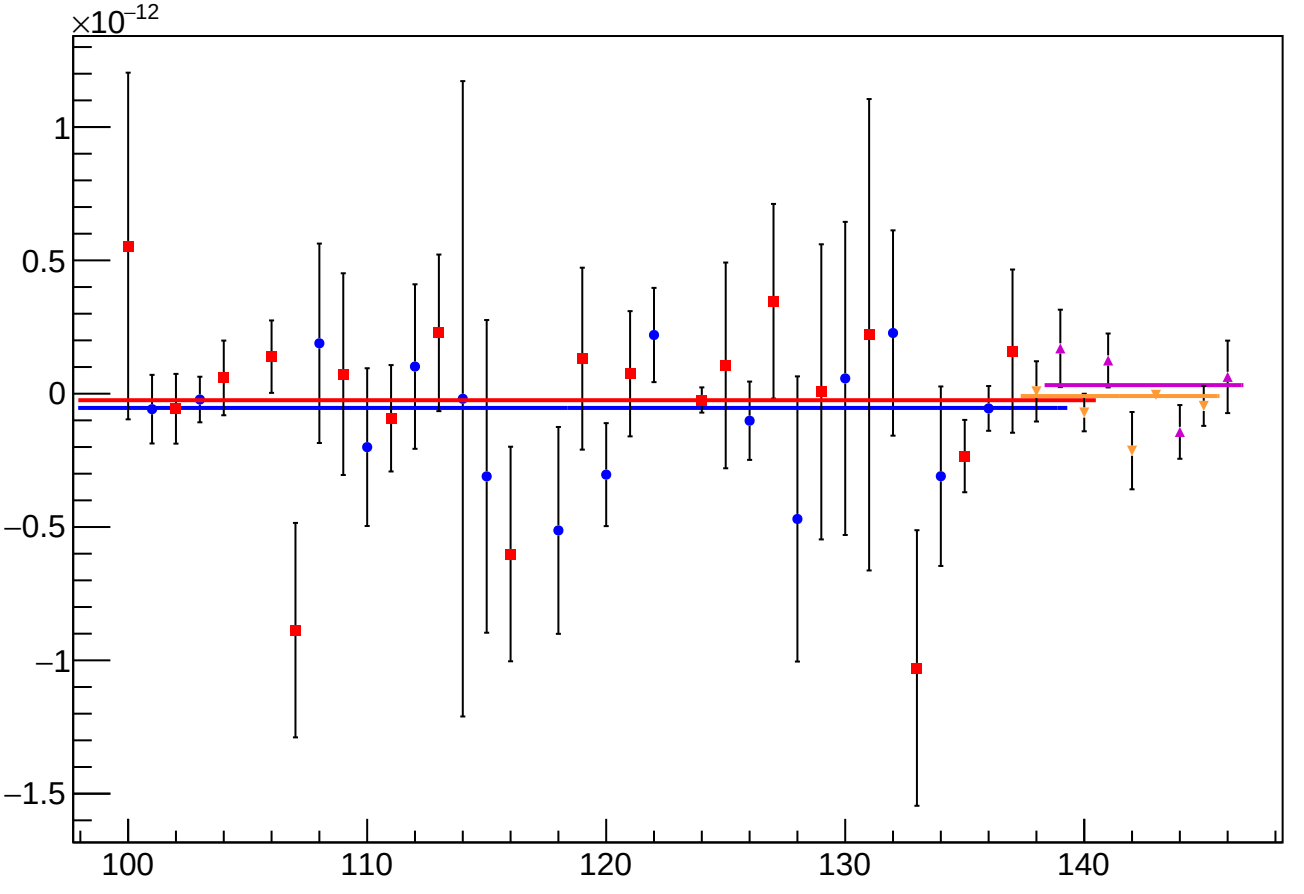
Left In: 4472.727+/-1.690 χ^2/NDF:27461.0/3

+ sign 3609.651+/-0.790 χ^2/NDF: 872168.0/20

All: 3603.327+/-0.558 χ^2/NDF: 1619120.2/43

- sign 3597.055+/-0.787 χ^2/NDF: 746824.6/22

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:3.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

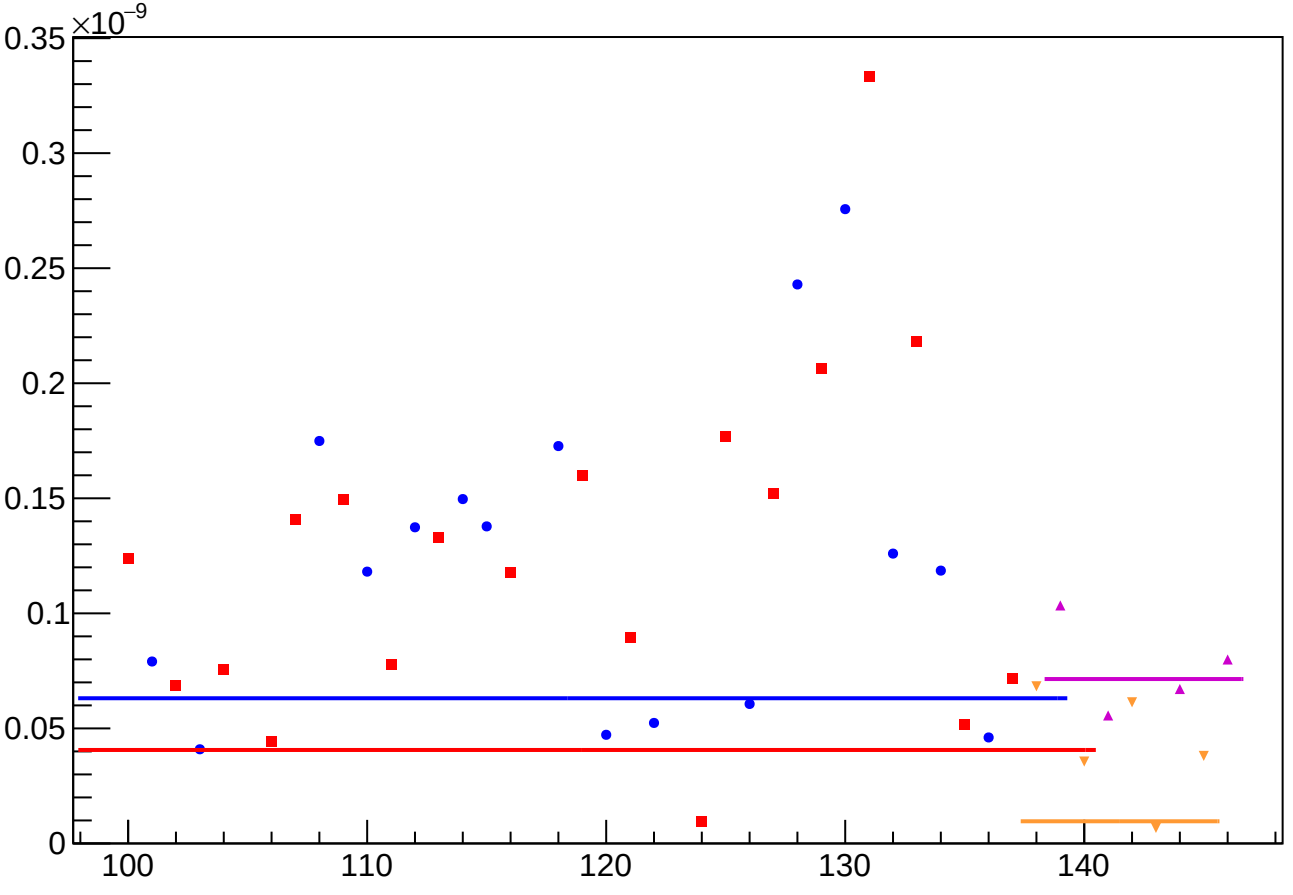
Left In: 0.000+/-0.000 χ^2/NDF:4.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 12.7/20

All: -0.000+/-0.000 χ^2/NDF: 36.6/43

- sign -0.000+/-0.000 χ^2/NDF: 23.9/22

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:1453252.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

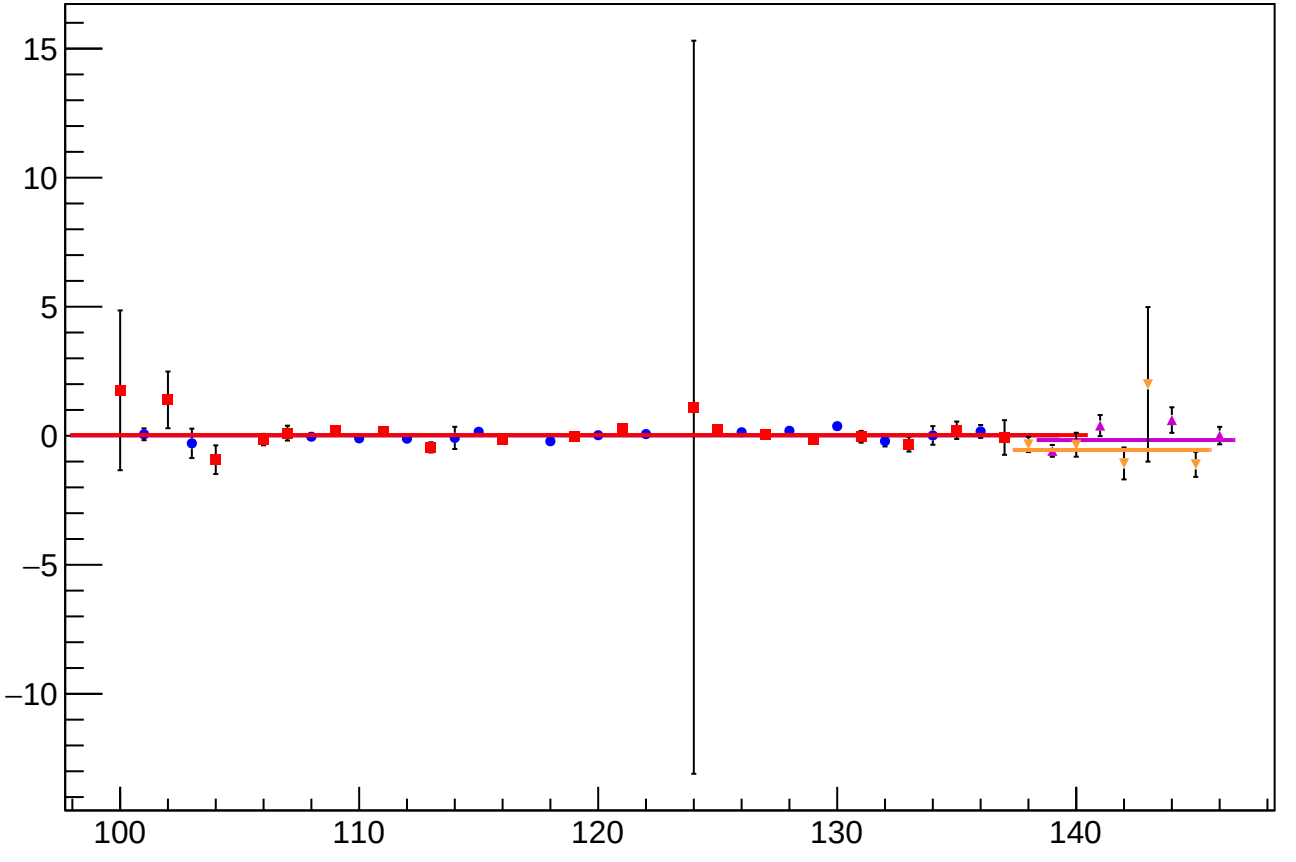
Left In: 0.000+/-0.000 χ^2/NDF:157777.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 5568708.7/20

All: 0.000+/-0.000 χ^2/NDF: 11688457.2/43

- sign 0.000+/-0.000 χ^2/NDF: 3740669.9/22

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.551+/-0.208 χ^2/NDF:3.5/4

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

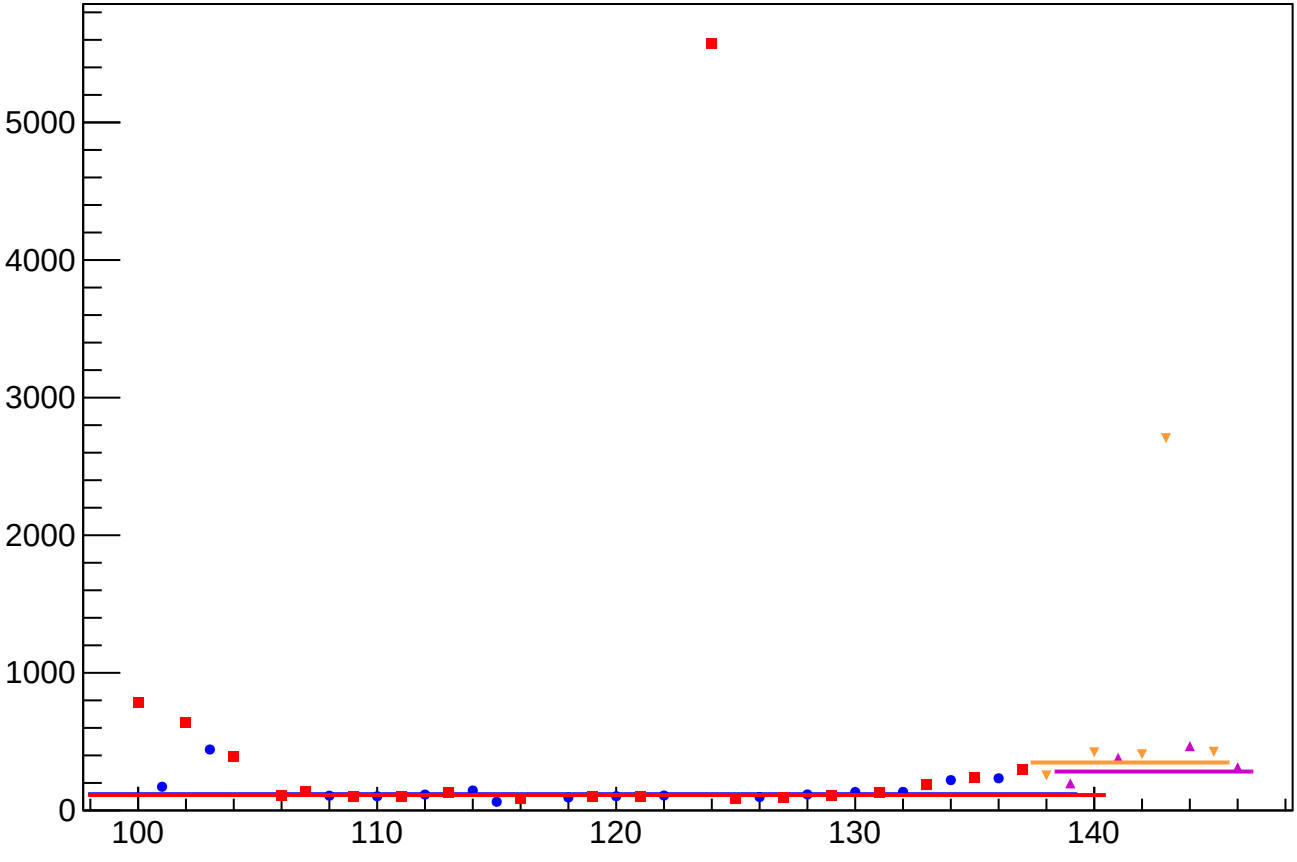
Left In: -0.166+/-0.162 χ^2/NDF:7.9/3

+ sign -0.013+/-0.047 χ^2/NDF: 22.3/20

All: -0.001+/-0.032 χ^2/NDF: 53.7/43

- sign 0.011+/-0.045 χ^2/NDF: 31.3/22

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 348.581+/-0.147 χ^2/NDF:1563270.4/4

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

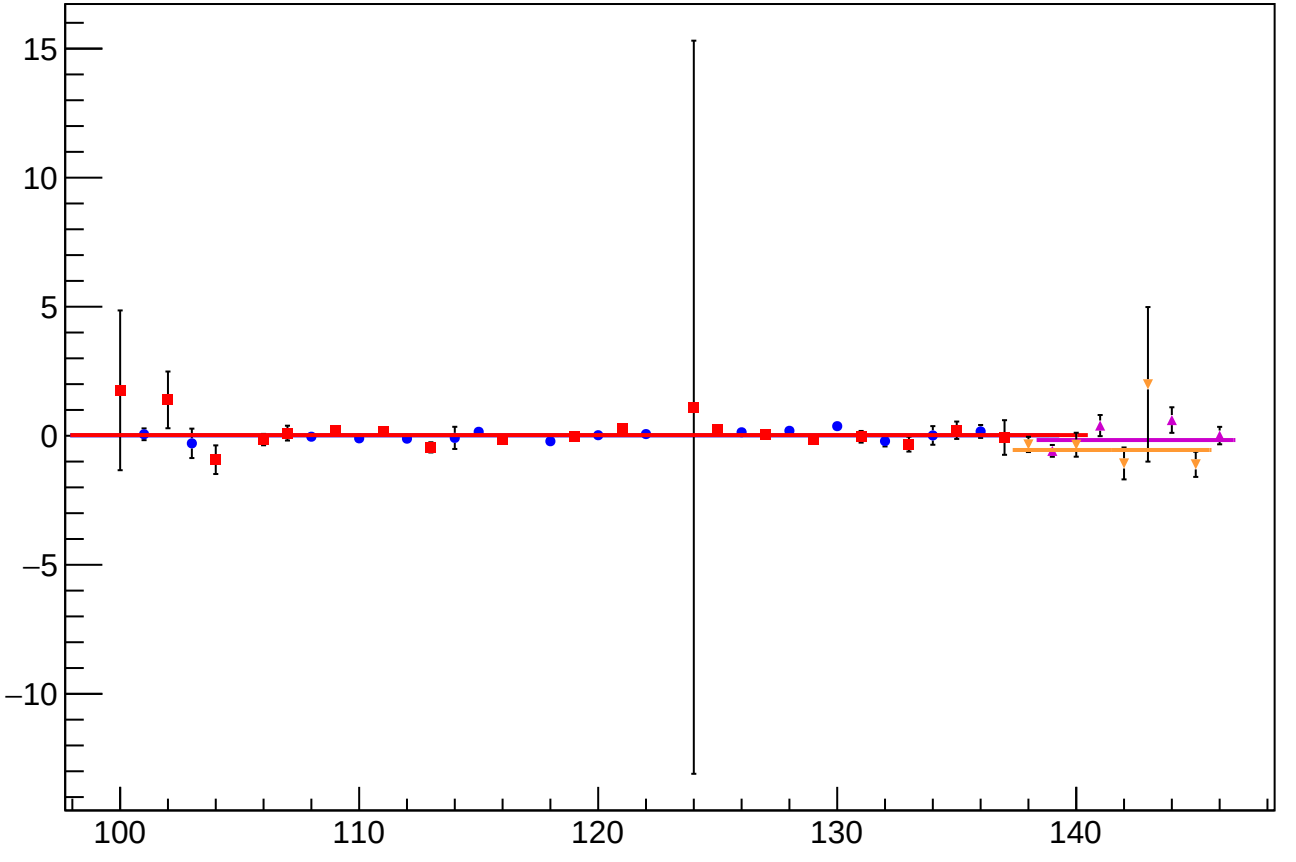
Left In: 282.669+/-0.115 χ^2/NDF:695492.5/3

+ sign 129.252+/-0.033 χ^2/NDF: 5621936.3/20

All: 127.157+/-0.023 χ^2/NDF: 10545687.2/43

- sign 125.210+/-0.032 χ^2/NDF: 4915977.2/22

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: -0.551+/-0.208 χ^2/NDF:3.5/4

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

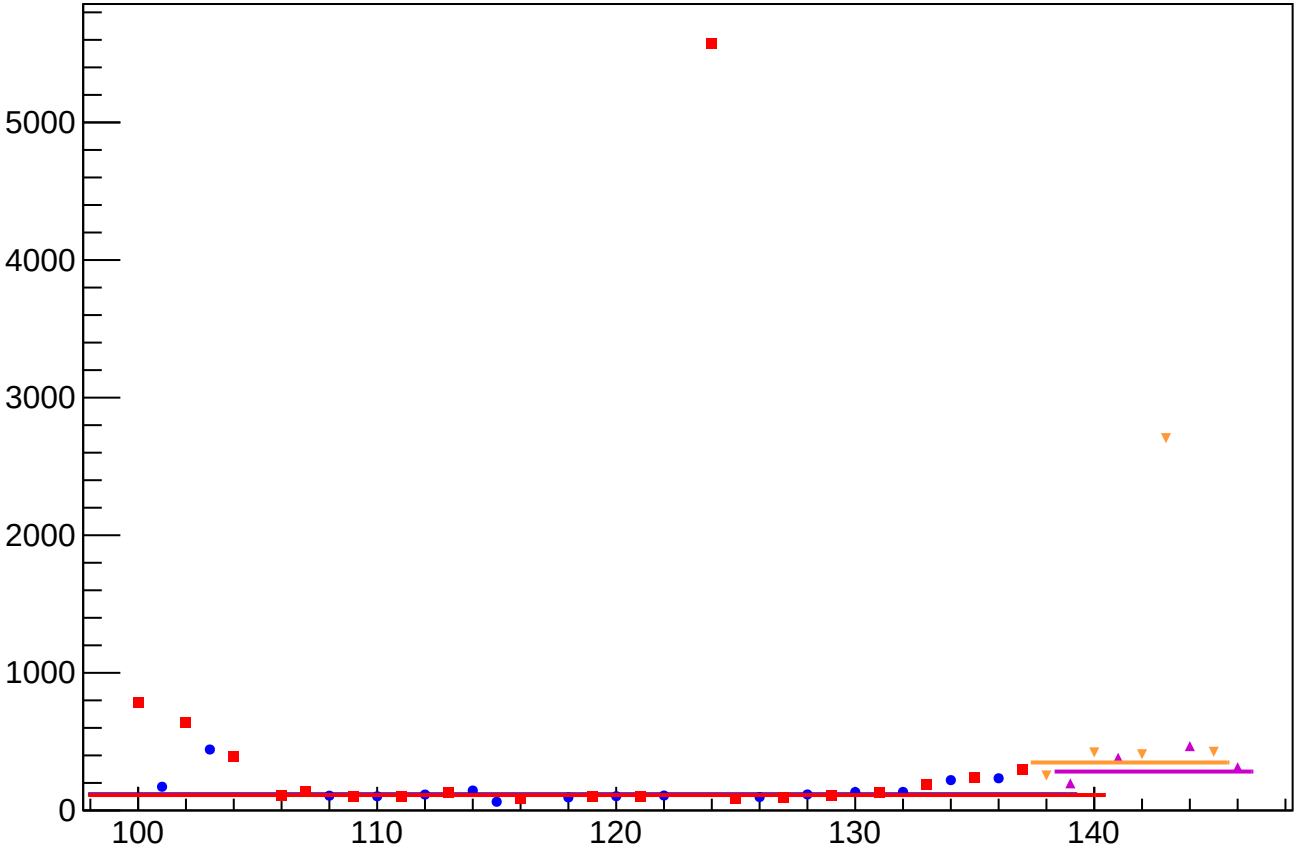
Left In: -0.166+/-0.162 χ^2/NDF:7.9/3

+ sign -0.013+/-0.047 χ^2/NDF: 22.3/20

All: -0.001+/-0.032 χ^2/NDF: 53.7/43

- sign 0.011+/-0.045 χ^2/NDF: 31.3/22

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: 348.581+/-0.147 χ^2/NDF:1563270.4/4

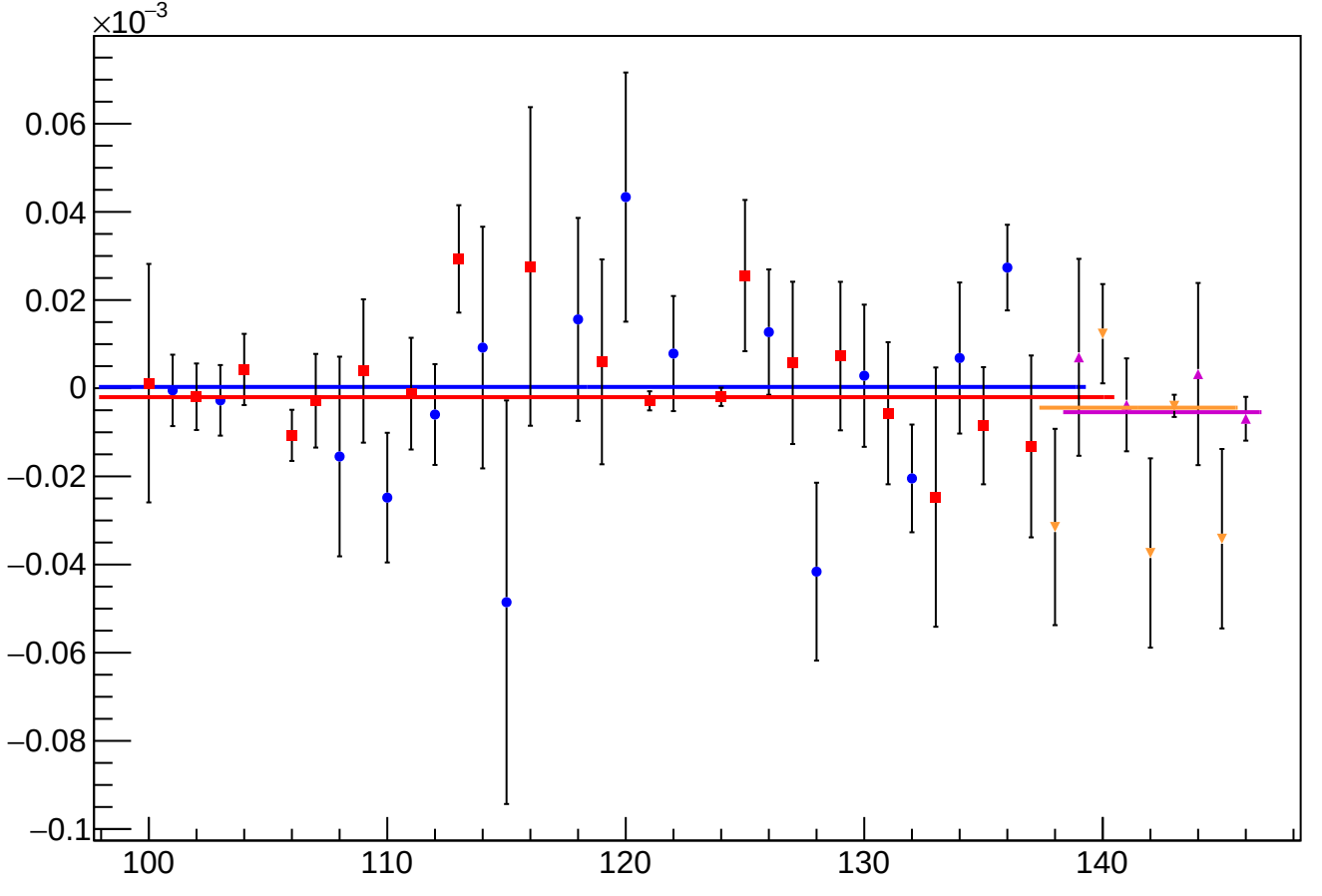
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 282.669+/-0.115 χ^2/NDF:695492.5/3

+ sign 129.252+/-0.033 χ^2/NDF: 5621936.3/20

All: 127.157+/-0.023 χ^2/NDF: 10545687.2/43

- sign 125.210+/-0.032 χ^2/NDF: 4915977.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/4

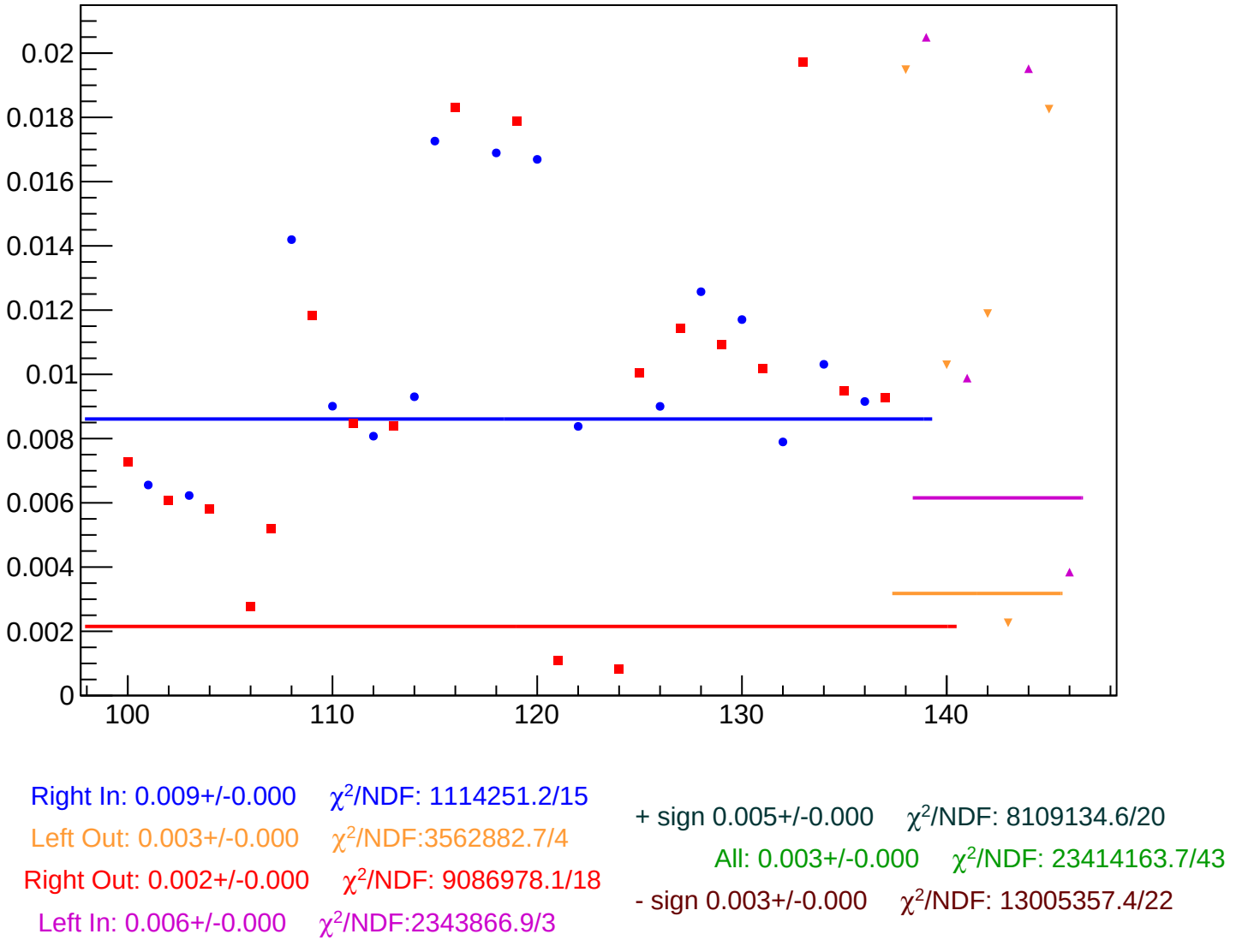
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

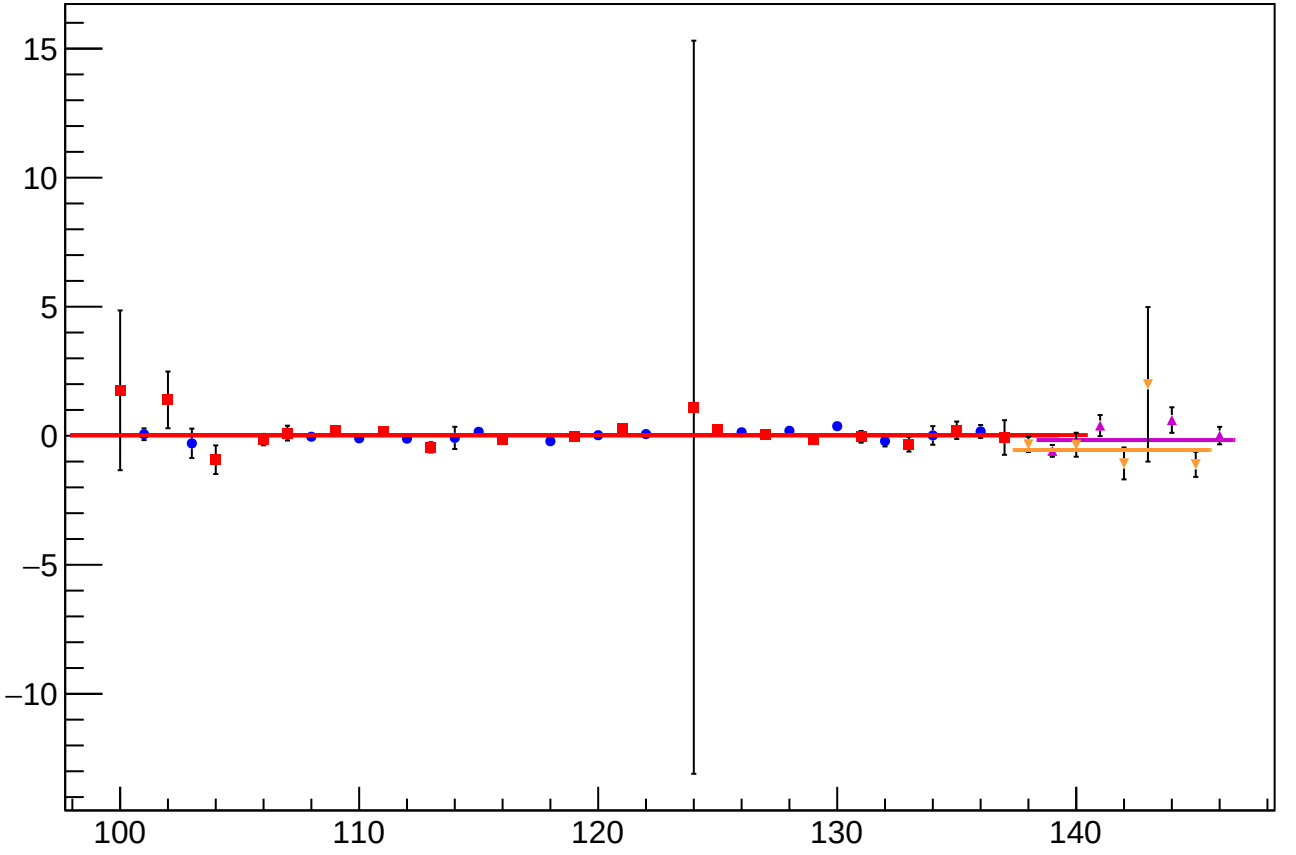
+ sign -0.000+/-0.000 χ^2/NDF: 33.6/20

All: -0.000+/-0.000 χ^2/NDF: 49.6/43

- sign -0.000+/-0.000 χ^2/NDF: 16.0/22


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
Right In: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.003+/-0.000 χ²/NDF:3562882.7/4
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.006+/-0.000 χ²/NDF:2343866.9/3
+ sign 0.005+/-0.000 χ²/NDF: 8109134.6/20
All: 0.003+/-0.000 χ²/NDF: 23414163.7/43
- sign 0.003+/-0.000 χ²/NDF: 13005357.4/22

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.551+/-0.208 χ^2/NDF:3.5/4

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

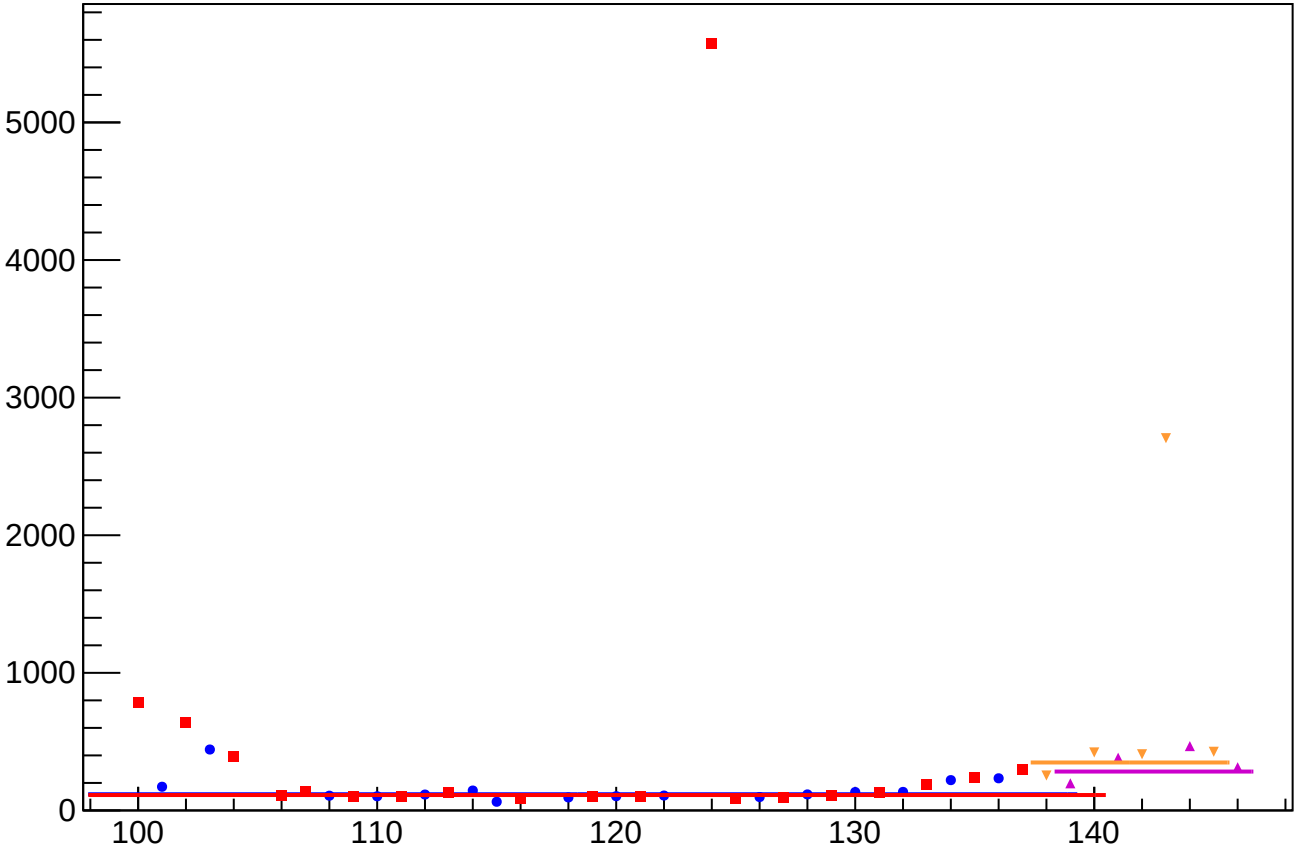
Left In: -0.166+/-0.162 χ^2/NDF:7.9/3

+ sign -0.013+/-0.047 χ^2/NDF: 22.3/20

All: -0.001+/-0.032 χ^2/NDF: 53.7/43

- sign 0.011+/-0.045 χ^2/NDF: 31.3/22

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: 348.586+/-0.147 χ^2/NDF:1563278.7/4

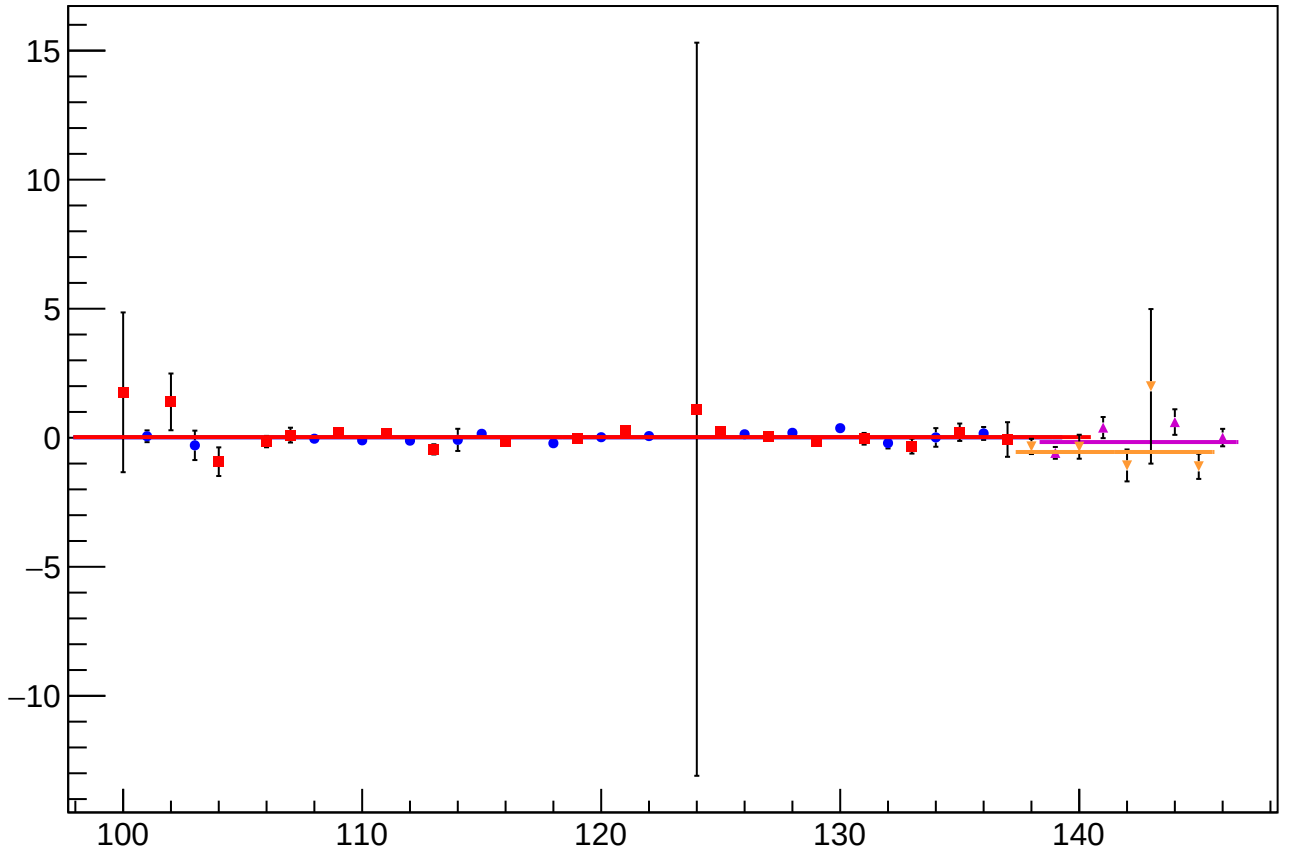
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 282.674+/-0.115 χ^2/NDF:695478.3/3

+ sign 129.252+/-0.033 χ^2/NDF: 5621946.9/20

All: 127.158+/-0.023 χ^2/NDF: 10545615.7/43

- sign 125.211+/-0.032 χ^2/NDF: 4915902.1/22



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.551+/-0.208 χ^2/NDF:3.5/4

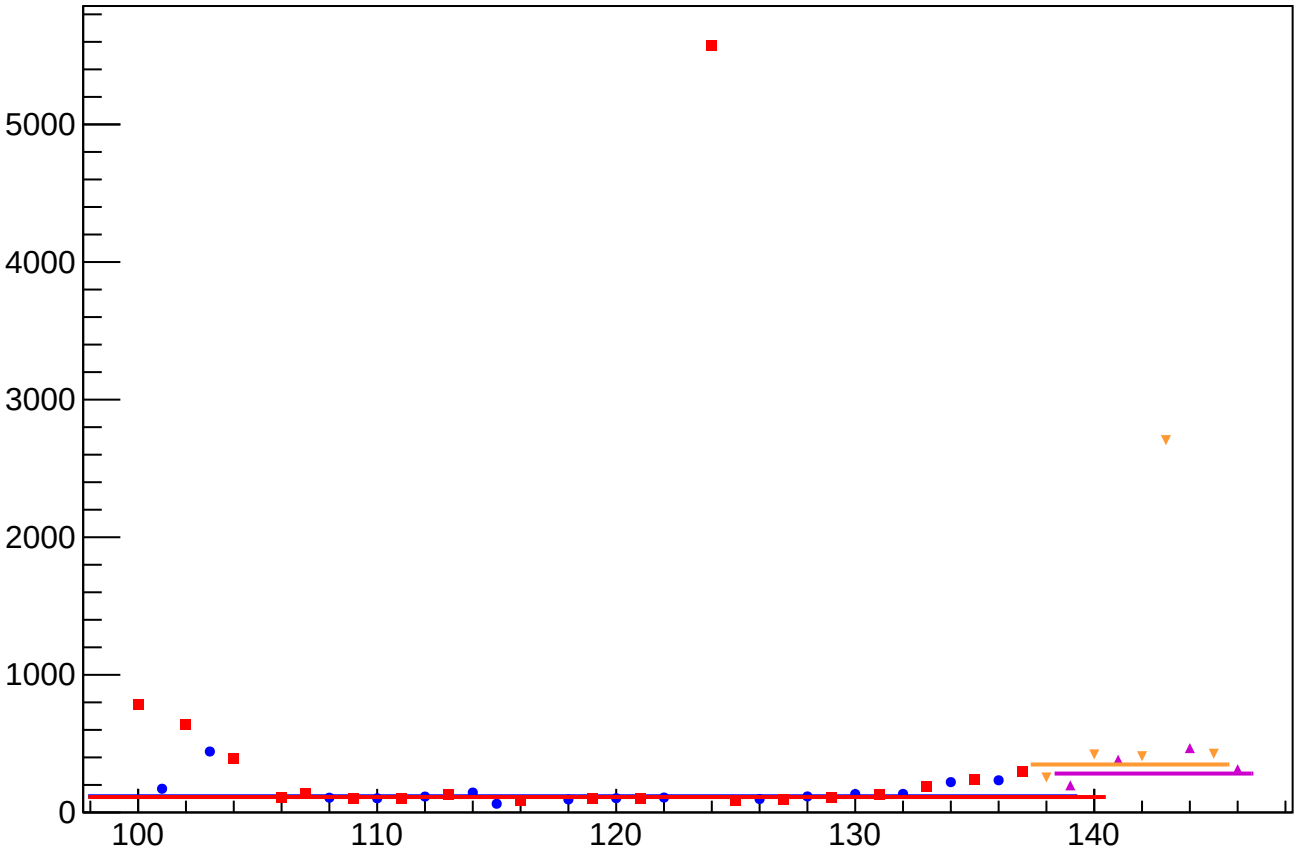
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.166+/-0.162 χ^2/NDF:7.9/3

+ sign -0.013+/-0.047 χ^2/NDF: 22.3/20

All: -0.001+/-0.032 χ^2/NDF: 53.7/43

- sign 0.011+/-0.045 χ^2/NDF: 31.3/22



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 348.586+/-0.147 χ^2/NDF:1563278.7/4

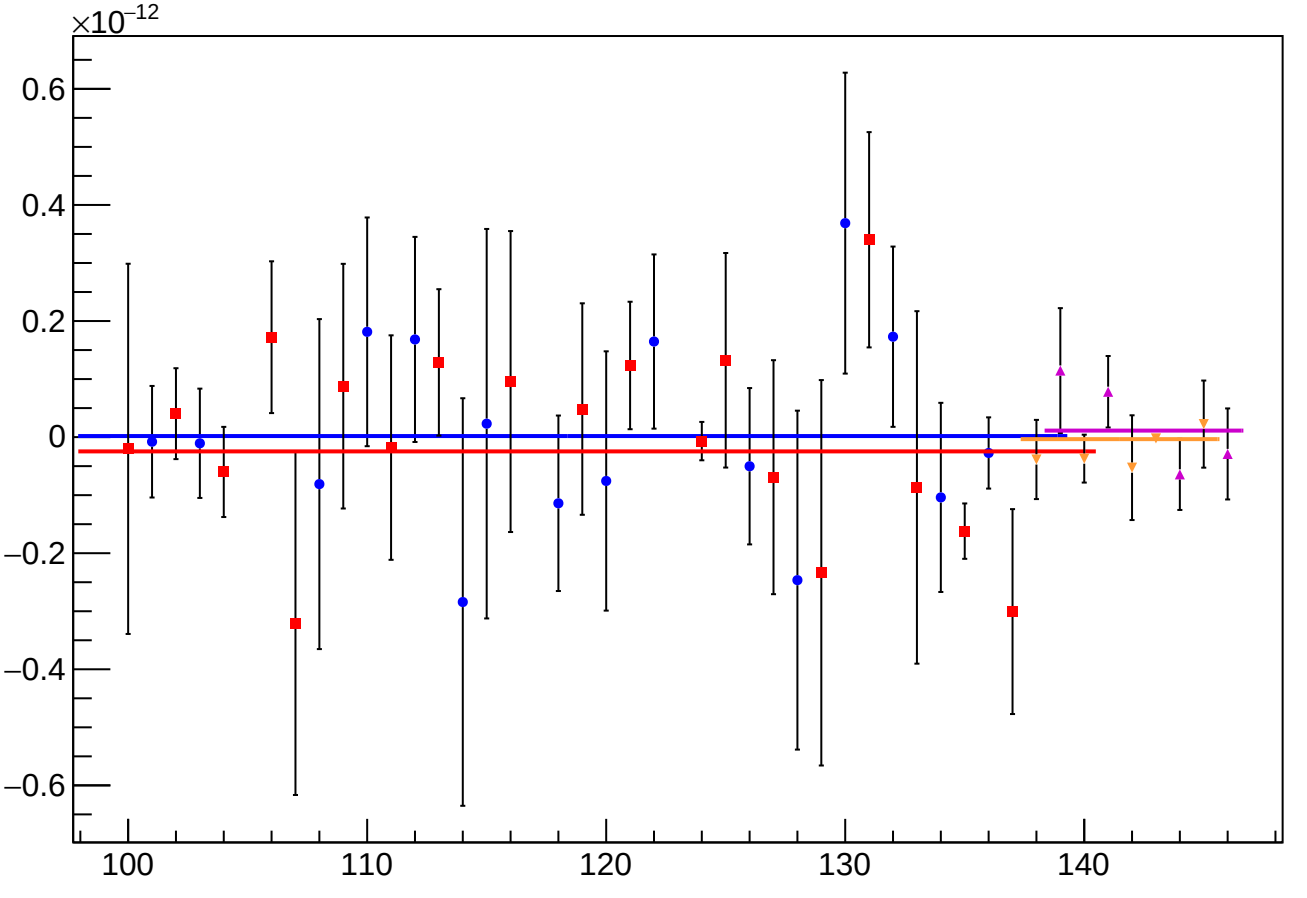
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 282.674+/-0.115 χ^2/NDF:695478.3/3

+ sign 129.252+/-0.033 χ^2/NDF: 5621946.9/20

All: 127.158+/-0.023 χ^2/NDF: 10545615.7/43

- sign 125.211+/-0.032 χ^2/NDF: 4915902.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/4

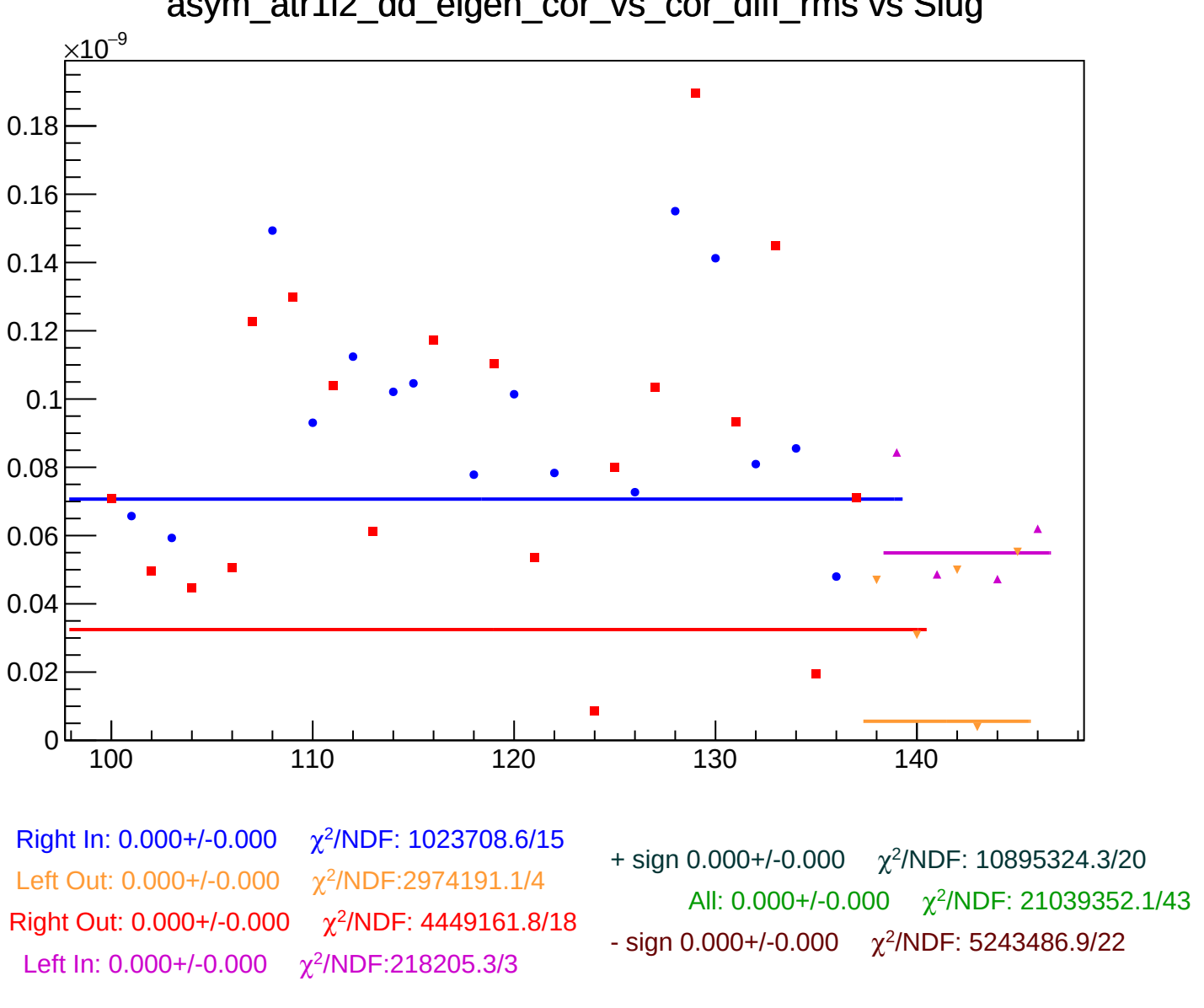
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/3

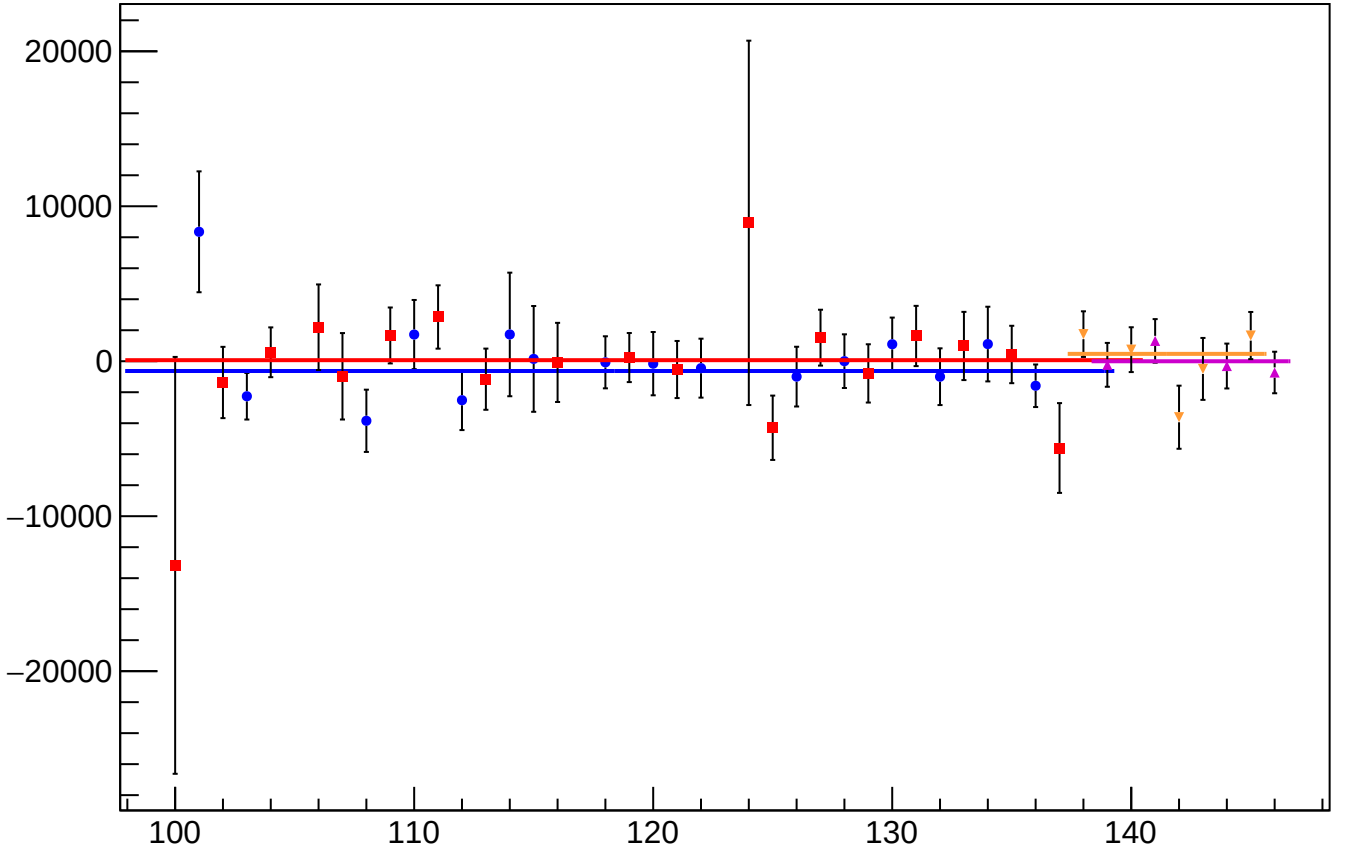
+ sign -0.000+/-0.000 χ^2/NDF: 10.5/20

All: -0.000+/-0.000 χ^2/NDF: 39.7/43

- sign -0.000+/-0.000 χ^2/NDF: 28.8/22


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
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2974191.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:218205.3/3
+ sign 0.000+/-0.000 χ²/NDF: 10895324.3/20
All: 0.000+/-0.000 χ²/NDF: 21039352.1/43
- sign 0.000+/-0.000 χ²/NDF: 5243486.9/22

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.644+/-732.595 χ^2/NDF:5.7/4

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

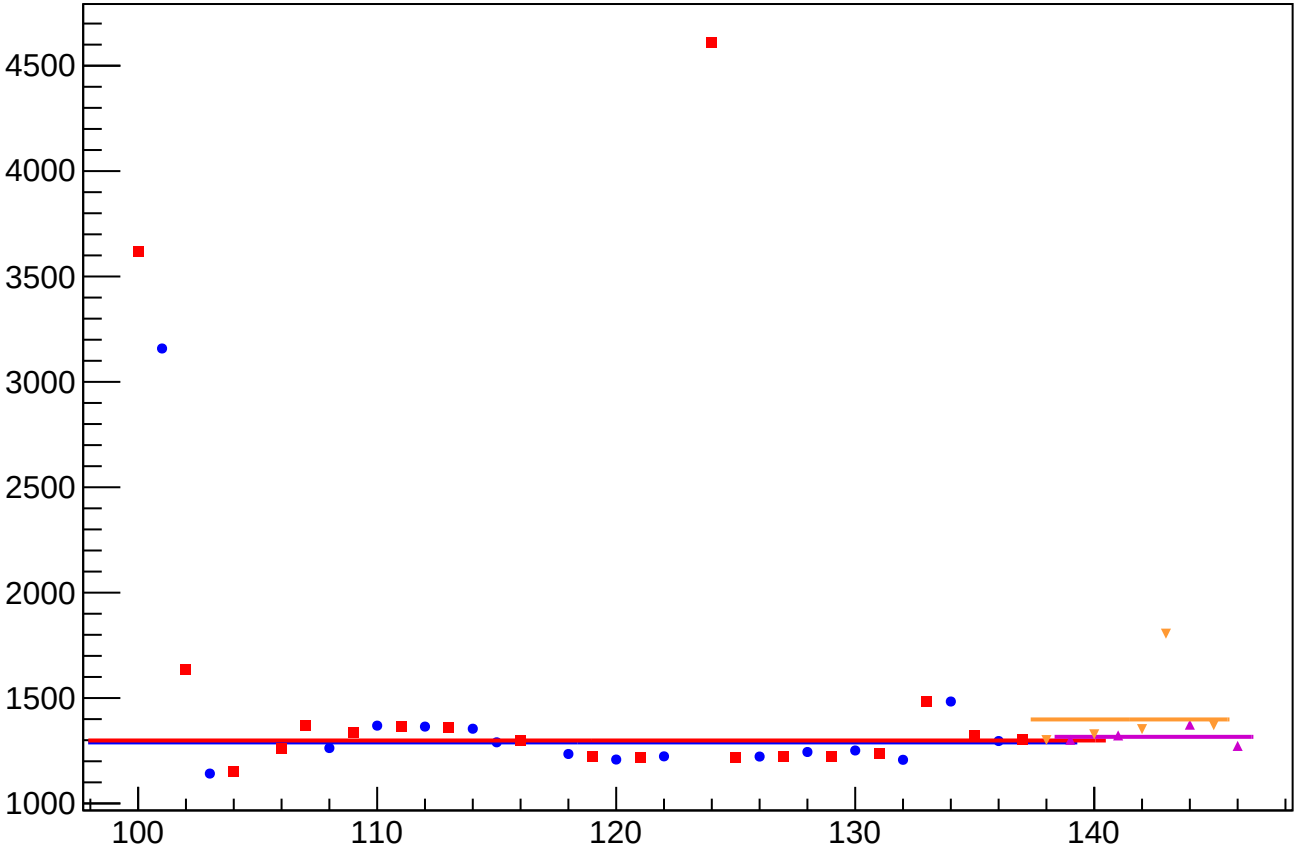
Left In: -2.449+/-700.312 χ^2/NDF:1.2/3

+ sign -290.574+/-406.524 χ^2/NDF: 21.1/20

All: -120.305+/-285.211 χ^2/NDF: 38.6/43

- sign 44.747+/-400.248 χ^2/NDF: 17.1/22

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

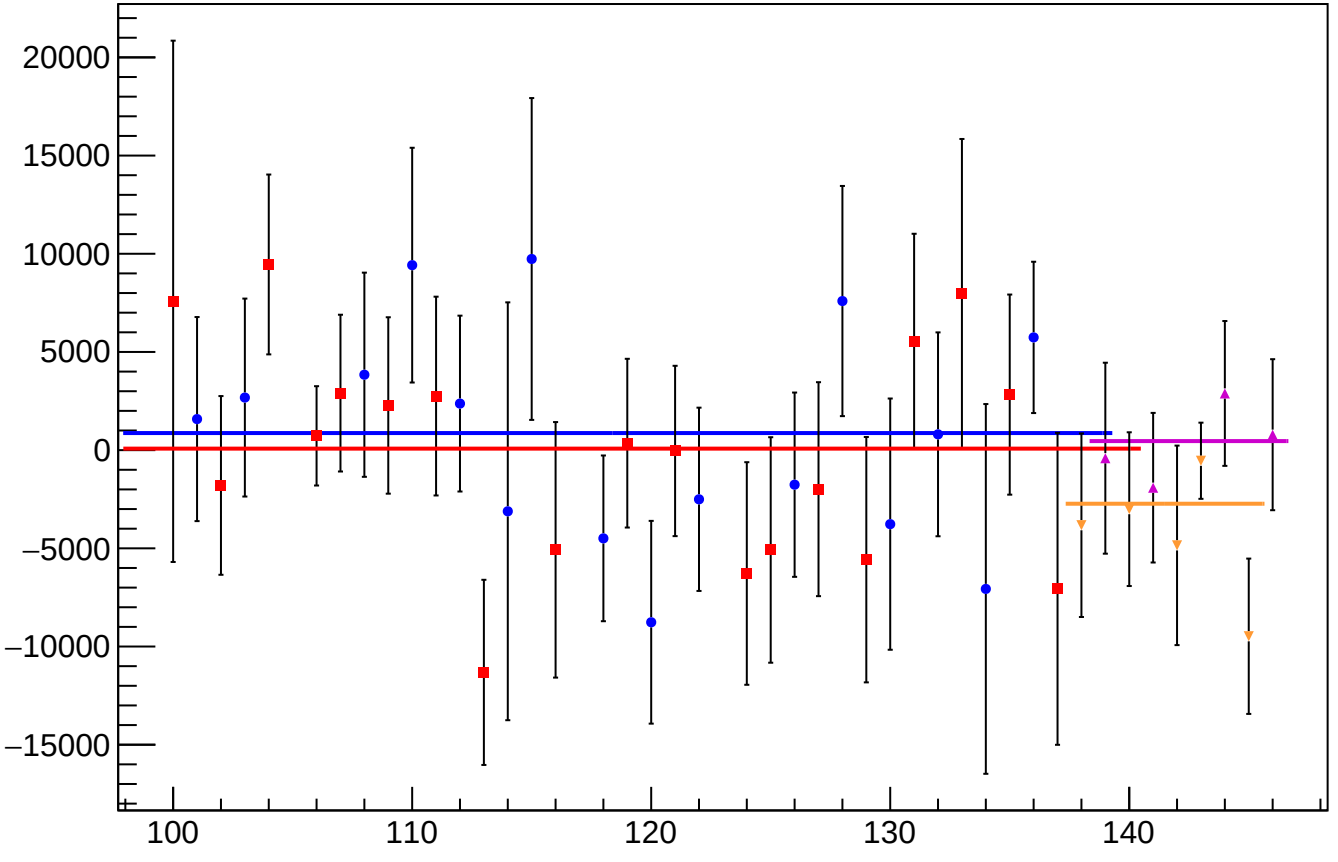
Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643518.3/20

All: 1313.495+/-0.201 χ^2/NDF: 971368.6/43

- sign 1304.290+/-0.283 χ^2/NDF: 325689.4/22

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: -2728.713+/-1444.041 χ^2/NDF:4.4/4

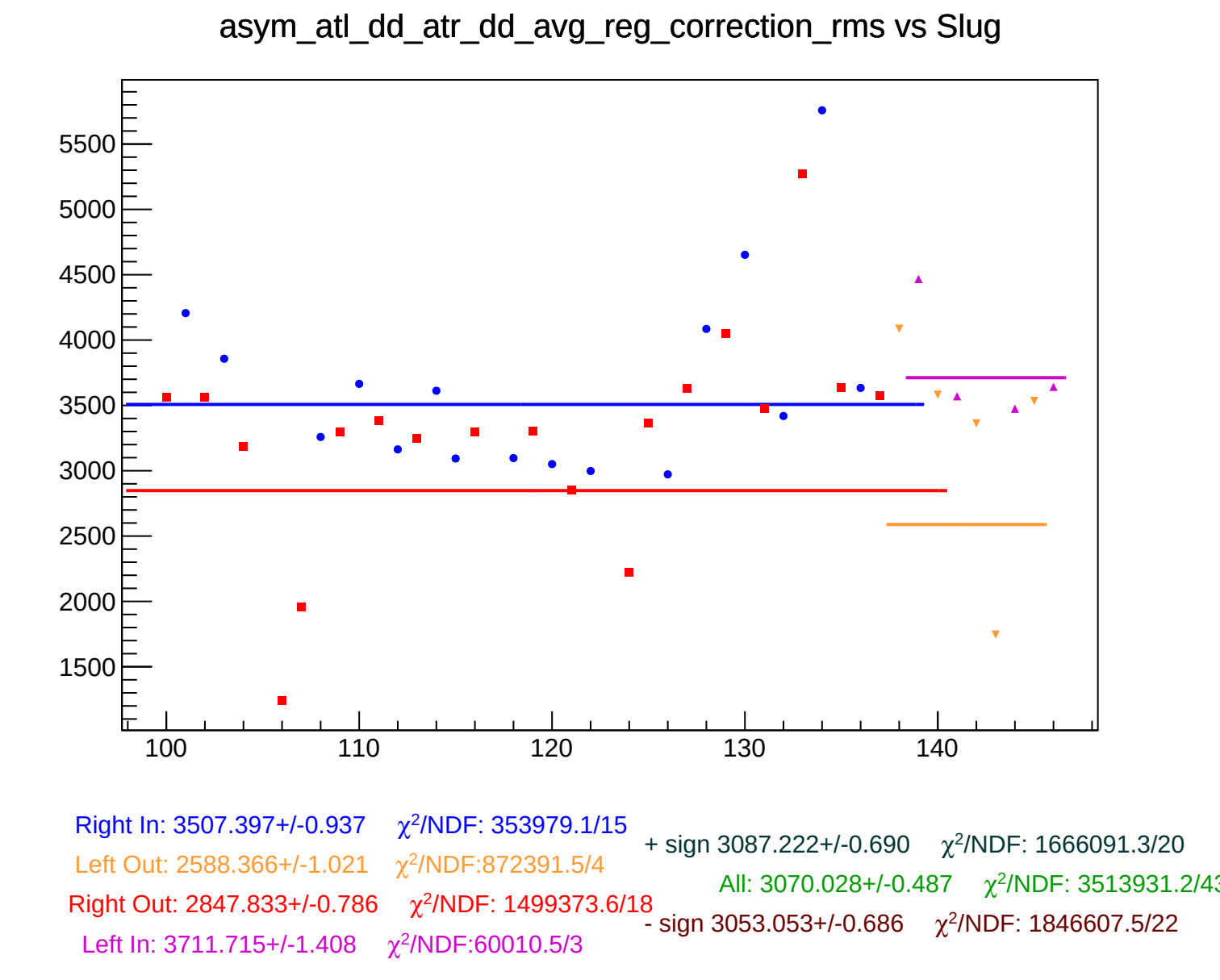
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 460.950+/-1990.507 χ^2/NDF:0.9/3

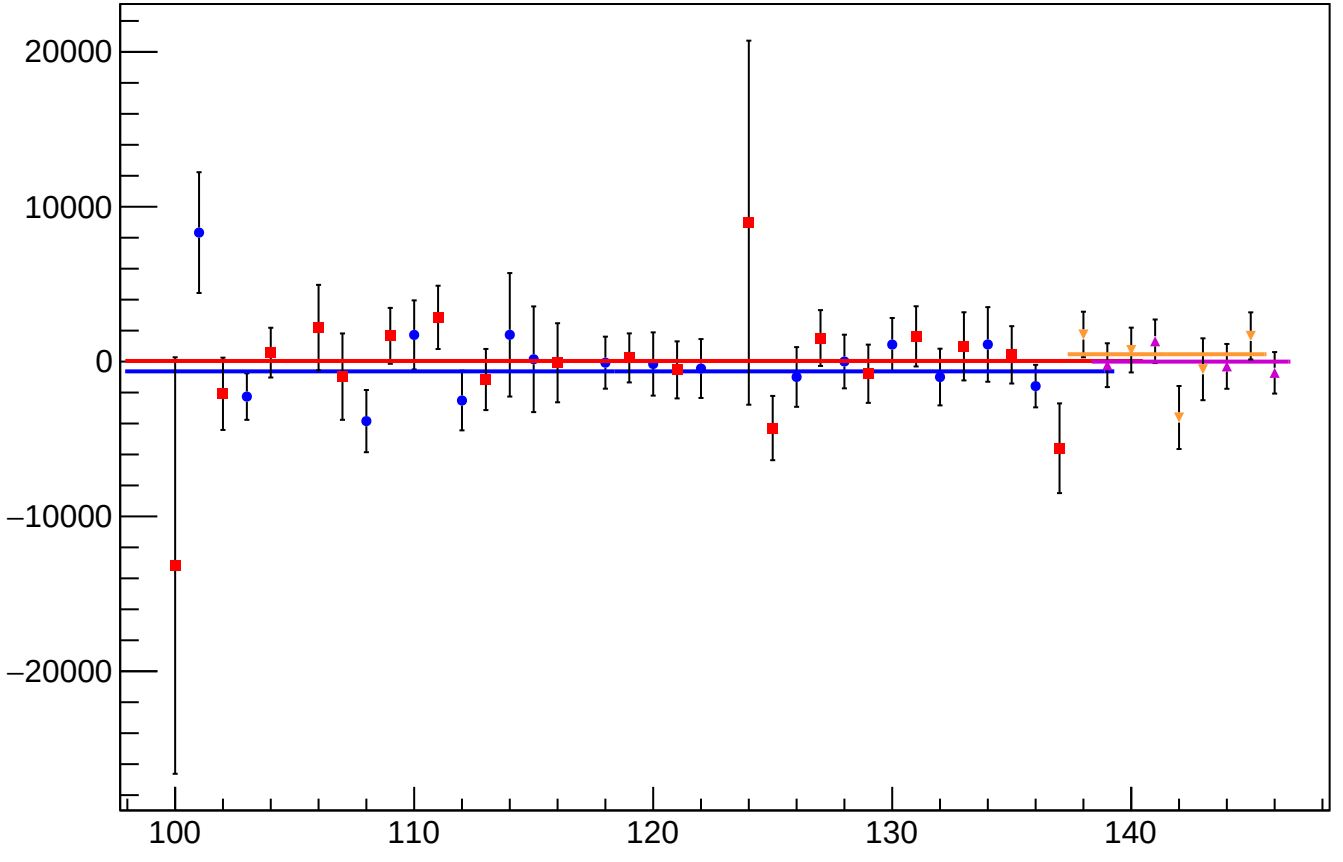
+ sign -775.149+/-976.404 χ^2/NDF: 21.8/20

All: -300.323+/-688.207 χ^2/NDF: 41.6/43

- sign 168.456+/-970.168 χ^2/NDF: 19.3/22


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 2588.366+/-1.021 χ²/NDF:872391.5/4
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3711.715+/-1.408 χ²/NDF:60010.5/3
+ sign 3087.222+/-0.690 χ²/NDF: 1666091.3/20
All: 3070.028+/-0.487 χ²/NDF: 3513931.2/43
- sign 3053.053+/-0.686 χ²/NDF: 1846607.5/22

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

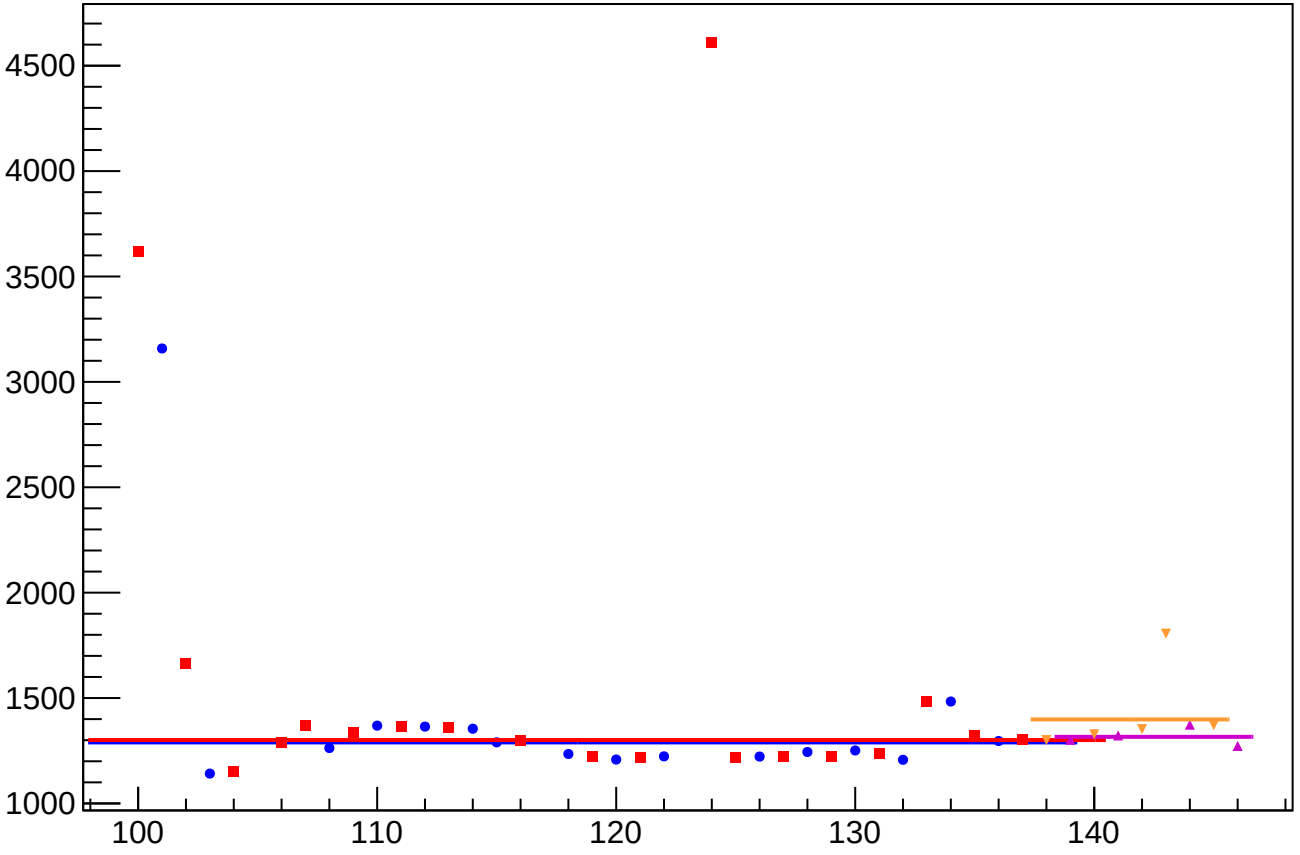
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

\+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -130.426+/-285.276 χ^2/NDF: 39.0/43

\- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

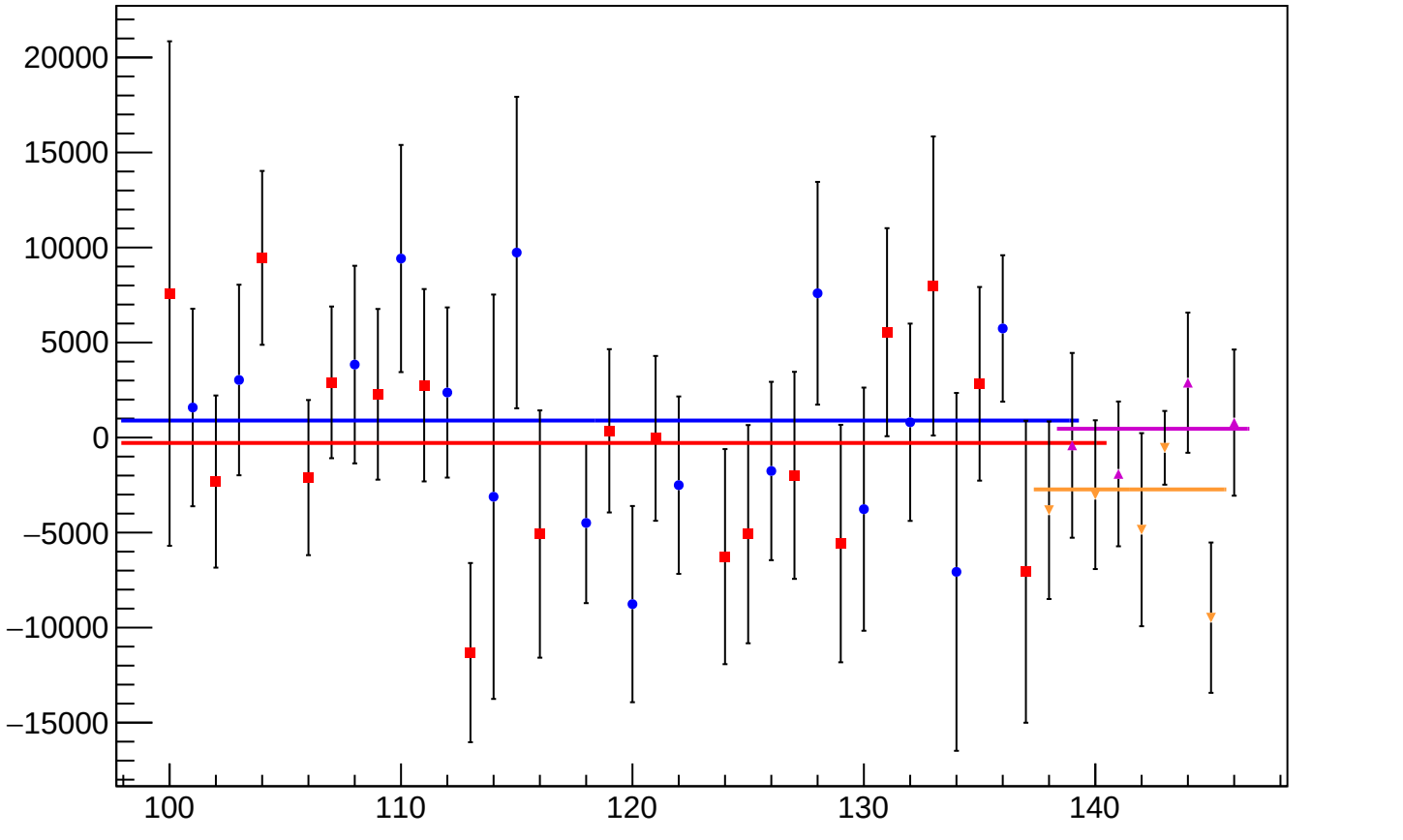
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2728.480+/-1444.035 χ^2/NDF:4.4/4

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

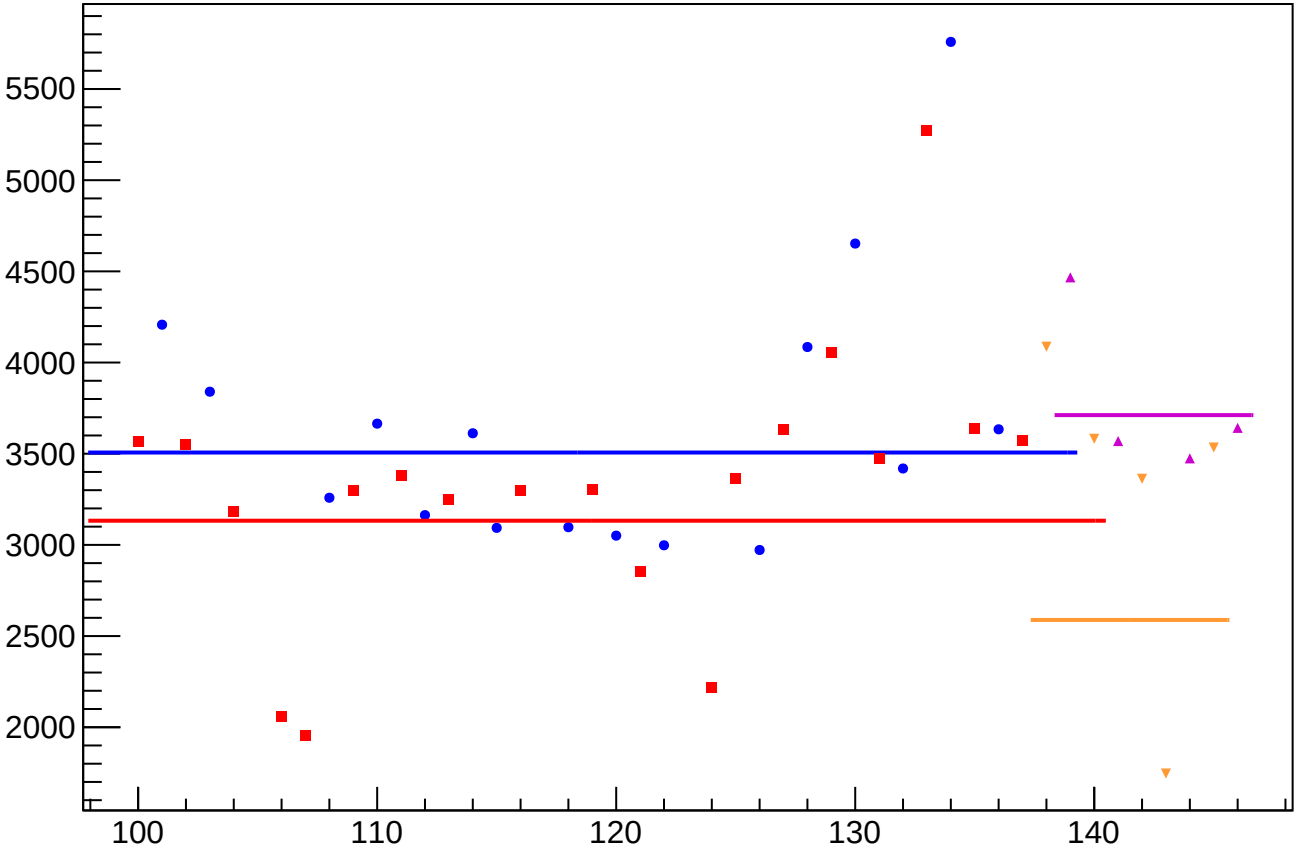
Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -760.469+/-976.220 χ^2/NDF: 21.9/20

All: -438.716+/-704.288 χ^2/NDF: 41.7/43

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

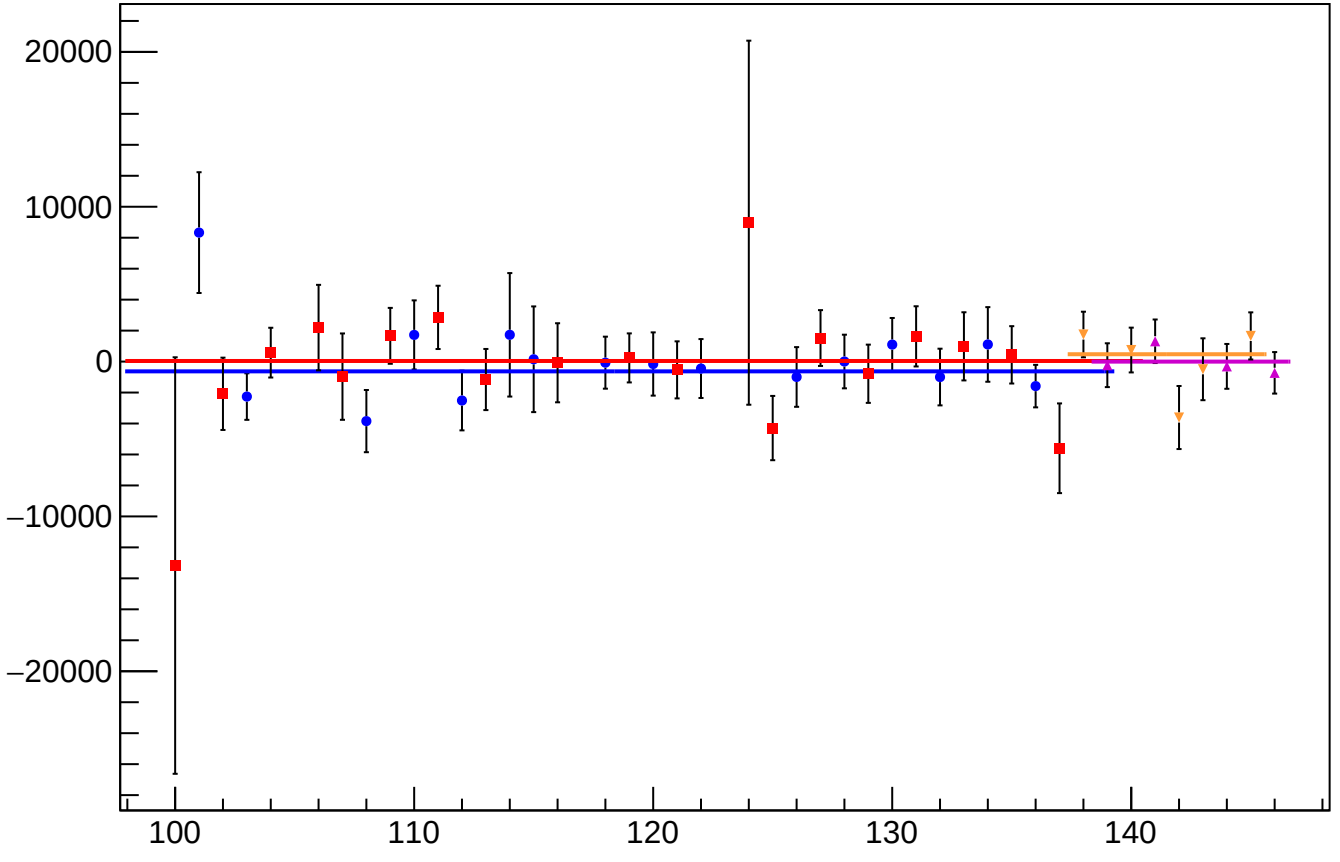
Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

\+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43

\- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

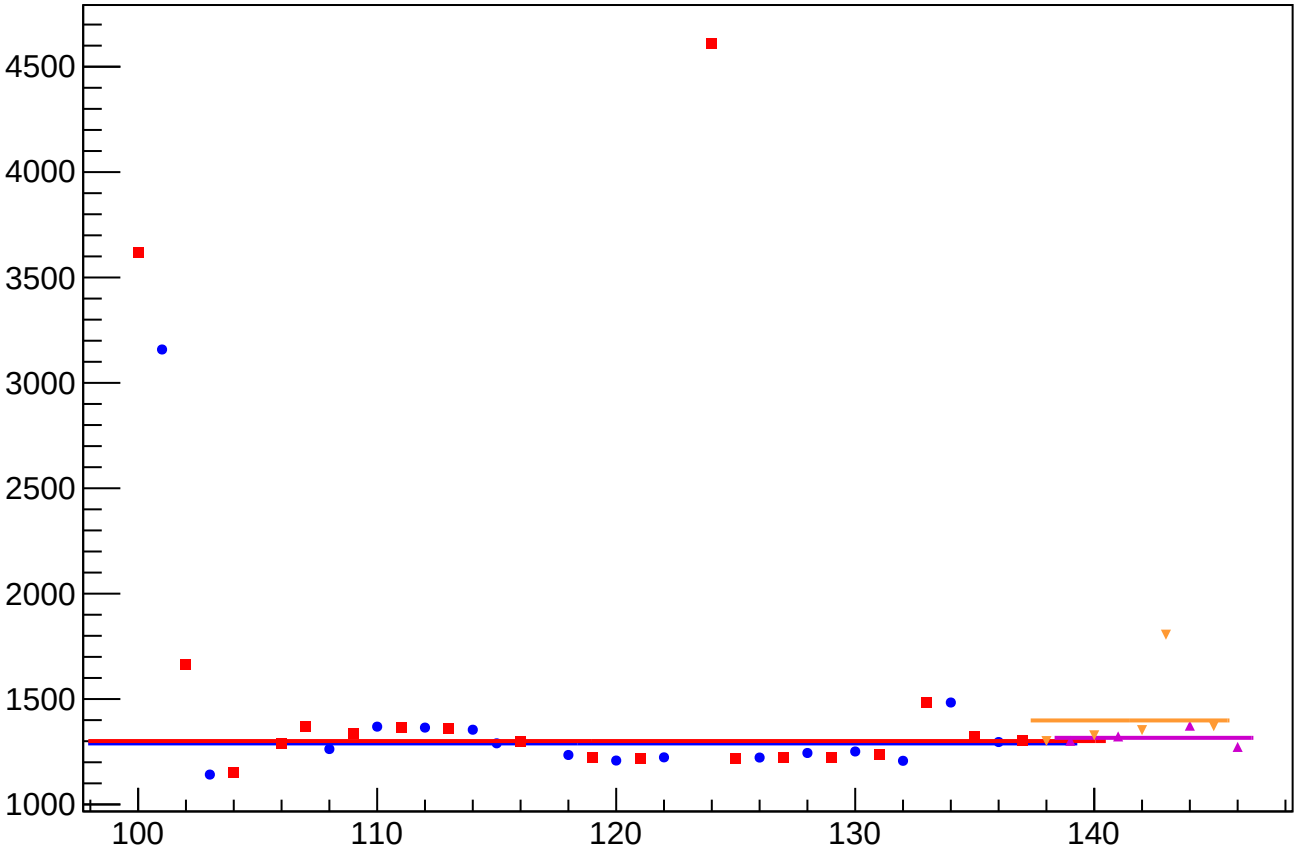
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

\+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -130.426+/-285.276 χ^2/NDF: 39.0/43

\- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

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: 1398.450+/-0.518 χ^2/NDF:98210.8/4

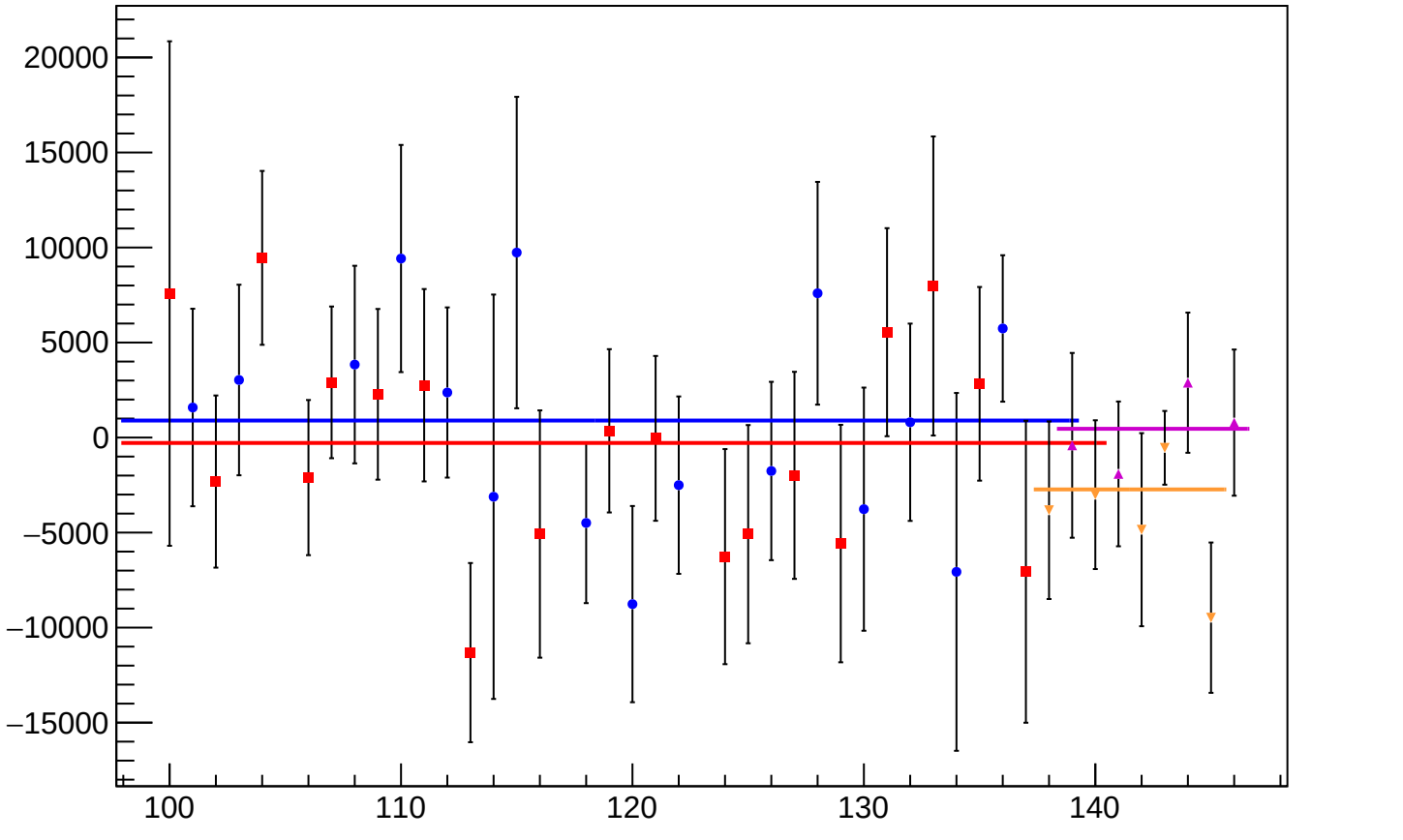
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2728.480+/-1444.035 χ^2/NDF:4.4/4

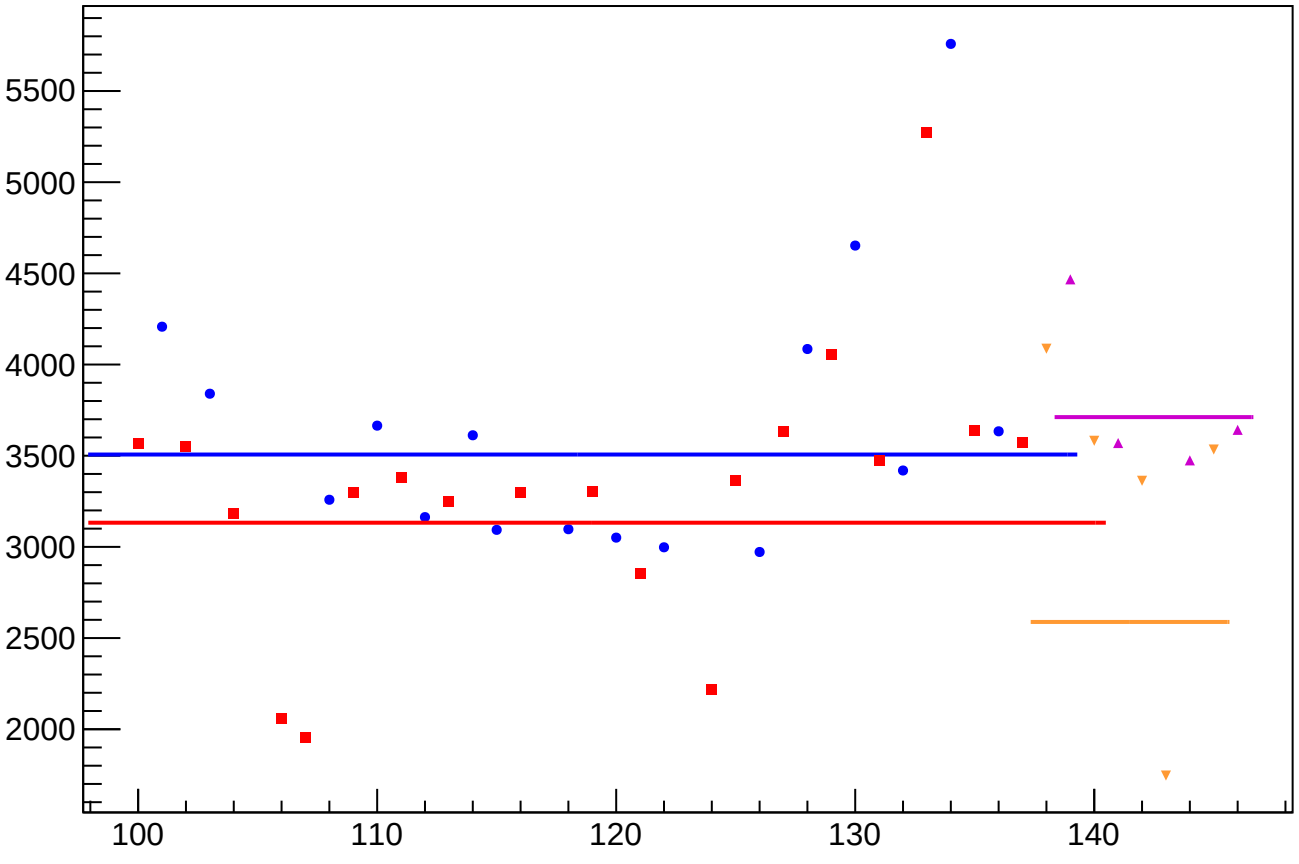
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -760.469+/-976.220 χ^2/NDF: 21.9/20

All: -438.716+/-704.288 χ^2/NDF: 41.7/43

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

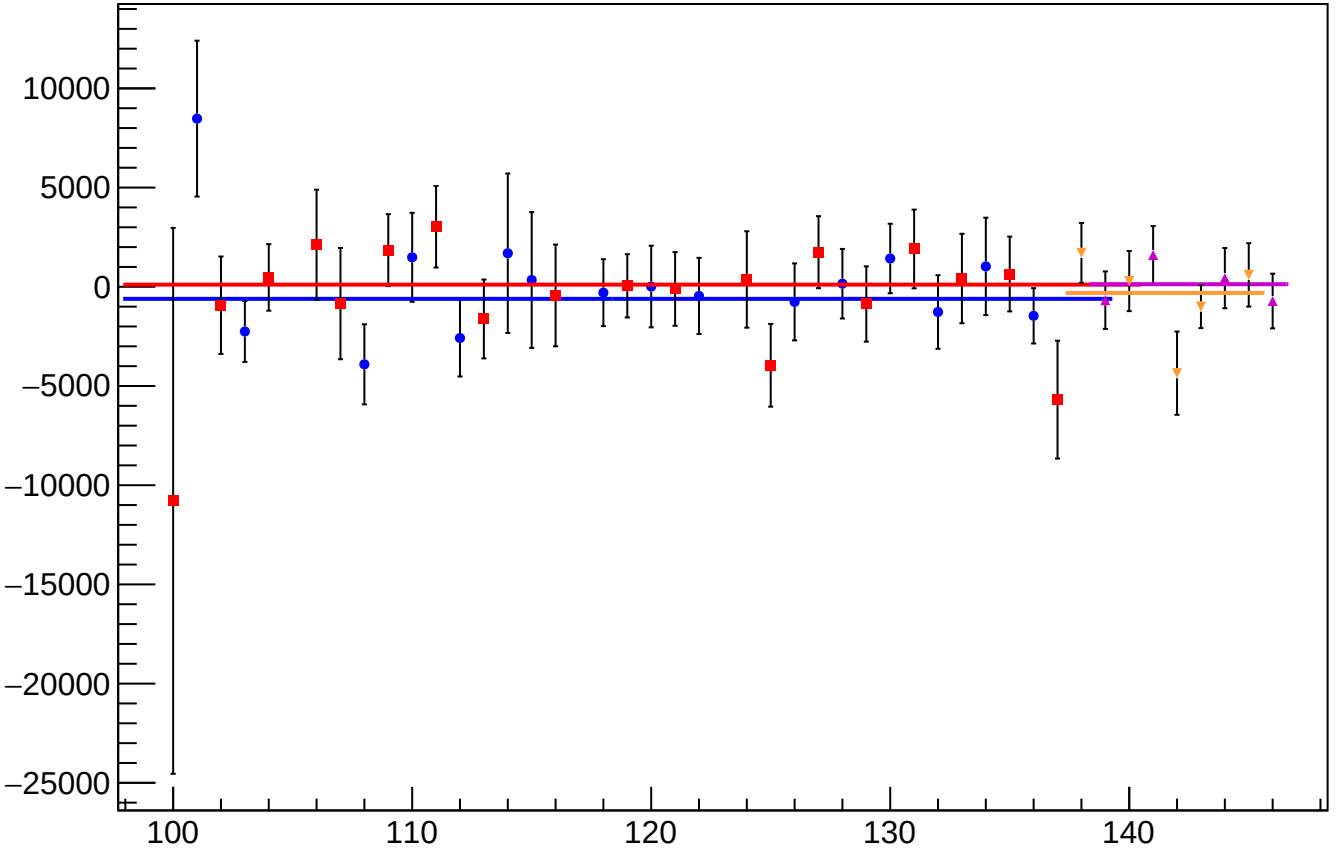
Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43

- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.693+/-653.179 χ^2/NDF:6.4/4

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

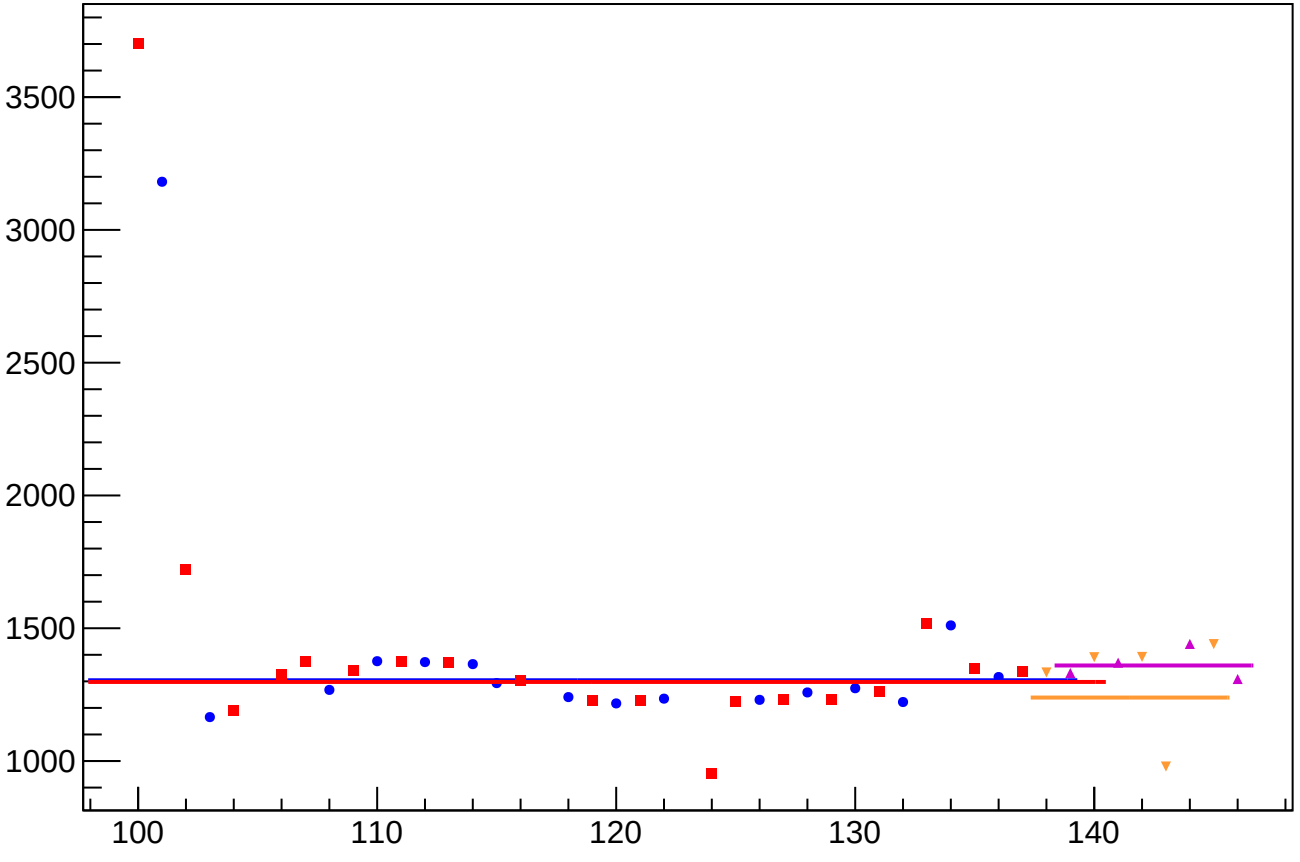
Left In: 129.181+/-723.926 χ^2/NDF:1.8/3

+ sign -499.662+/-394.097 χ^2/NDF: 20.6/20

All: -199.386+/-281.848 χ^2/NDF: 38.4/43

- sign 114.996+/-403.248 χ^2/NDF: 16.6/22

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1238.998+/-0.462 χ^2/NDF:185091.7/4

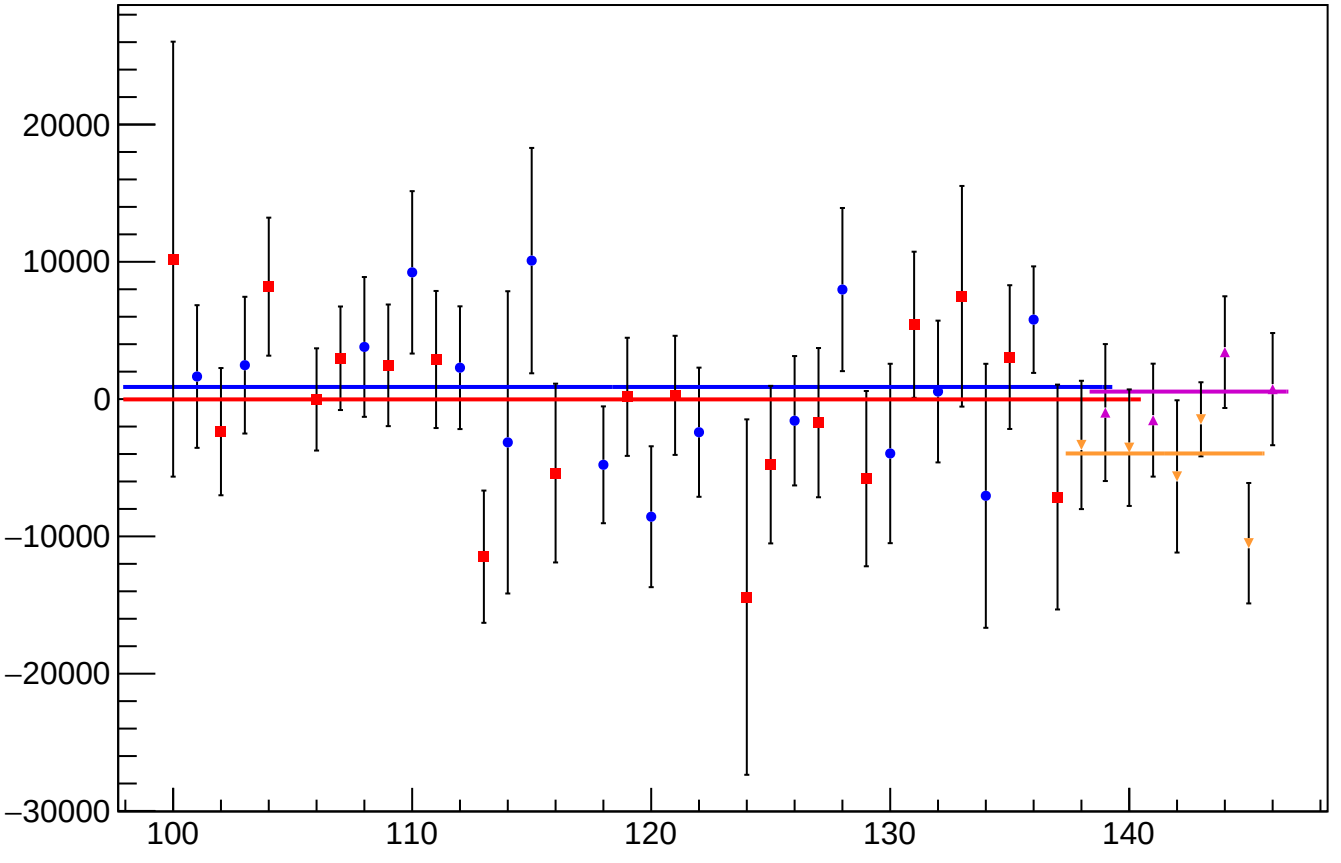
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.402+/-0.279 χ^2/NDF: 708317.2/20

All: 1298.294+/-0.199 χ^2/NDF: 949276.6/43

- sign 1317.007+/-0.285 χ^2/NDF: 232525.8/22



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3960.020+/-1758.978 χ^2/NDF:3.2/4

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

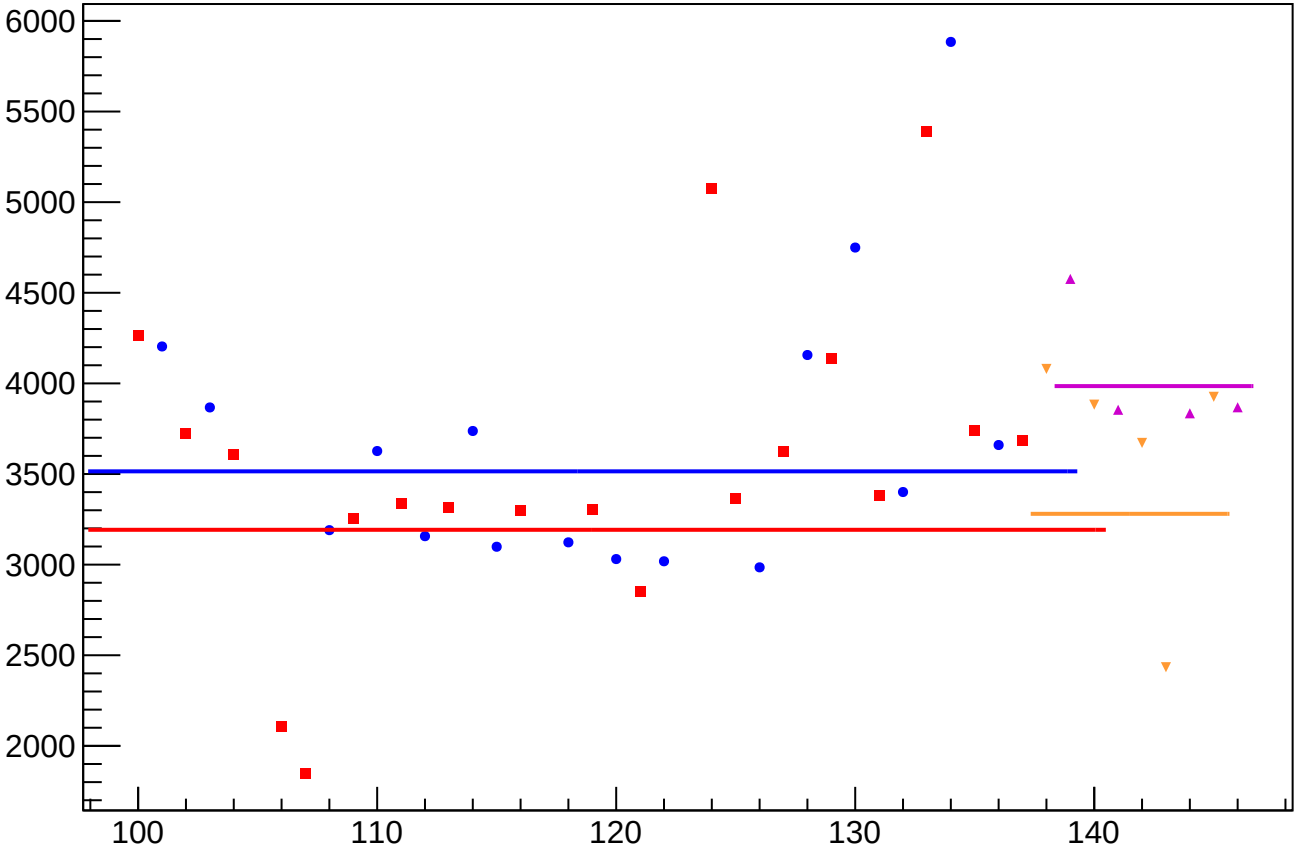
Left In: 547.025+/-2134.009 χ^2/NDF:0.9/3

+ sign -873.607+/-1059.554 χ^2/NDF: 22.1/20

All: -372.572+/-744.372 χ^2/NDF: 40.3/43

- sign 115.707+/-1045.980 χ^2/NDF: 17.7/22

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3280.329+/-1.244 χ^2/NDF:349008.8/4

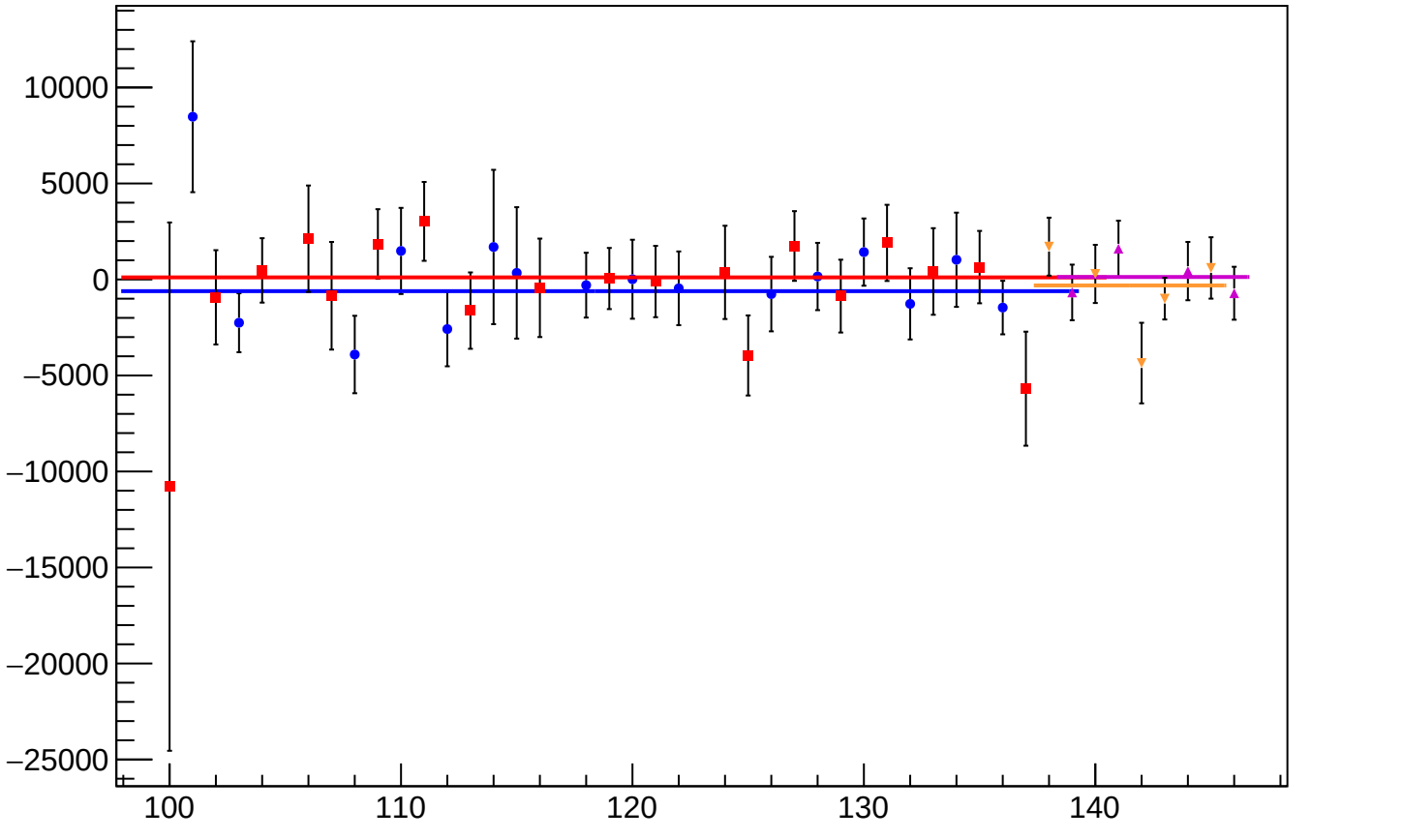
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

+ sign 3429.688+/-0.749 χ^2/NDF: 746719.8/20

All: 3405.886+/-0.526 χ^2/NDF: 1765460.0/43

- sign 3382.690+/-0.740 χ^2/NDF: 1016747.3/22



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.700+/-653.180 χ^2/NDF:6.4/4

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

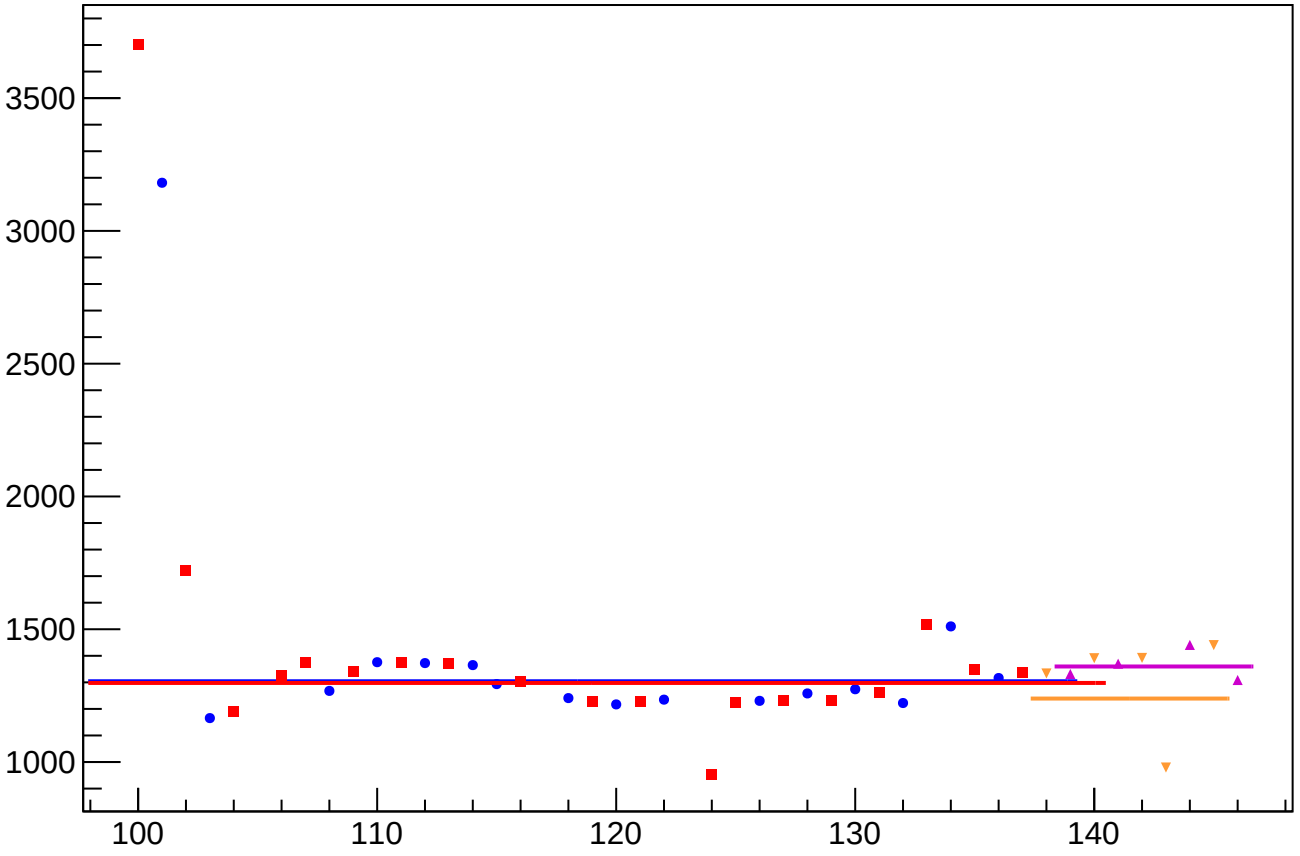
Left In: 129.179+/-723.926 χ^2/NDF:1.8/3

+ sign -499.667+/-394.098 χ^2/NDF: 20.6/20

All: -199.387+/-281.849 χ^2/NDF: 38.4/43

- sign 114.999+/-403.248 χ^2/NDF: 16.6/22

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: 1238.999+/-0.462 χ^2/NDF:185092.0/4

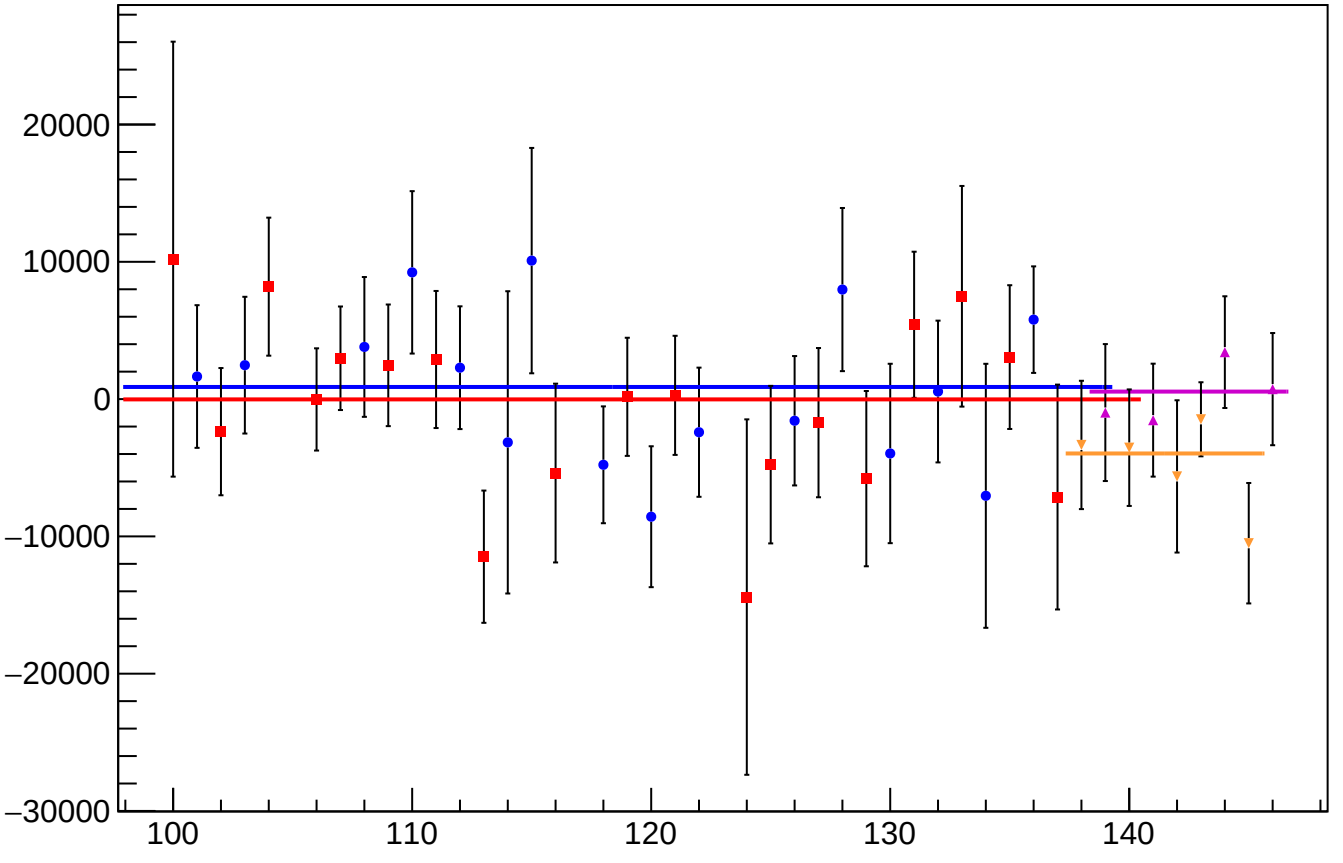
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.403+/-0.279 χ^2/NDF: 708317.2/20

All: 1298.294+/-0.199 χ^2/NDF: 949277.1/43

- sign 1317.008+/-0.285 χ^2/NDF: 232526.2/22



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3960.025+/-1758.981 χ^2/NDF:3.2/4

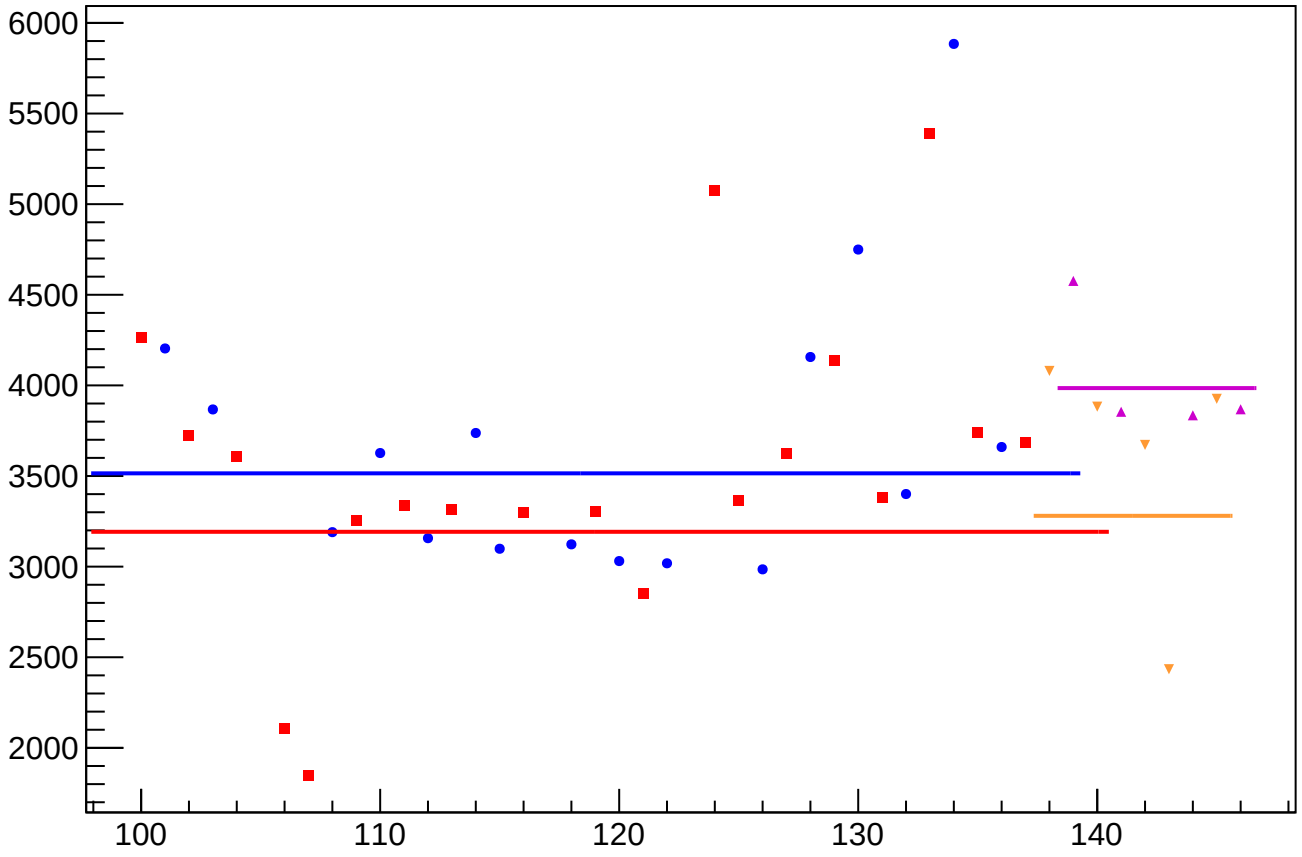
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 547.021+/-2134.013 χ^2/NDF:0.9/3

+ sign -873.606+/-1059.553 χ^2/NDF: 22.1/20

All: -372.571+/-744.371 χ^2/NDF: 40.3/43

- sign 115.709+/-1045.979 χ^2/NDF: 17.7/22



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3280.335+/-1.244 χ^2/NDF:349009.7/4

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

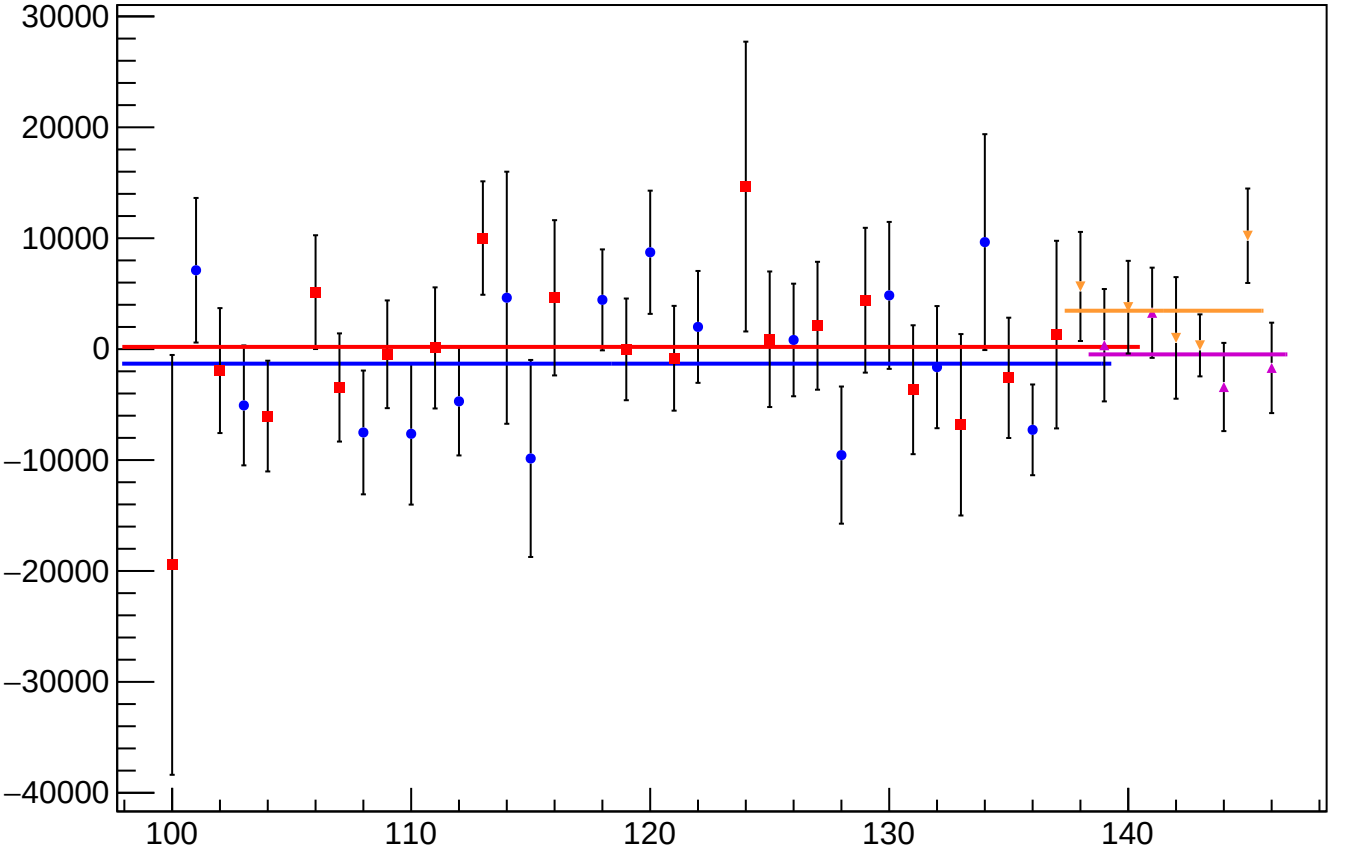
Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

\+ sign 3429.685+/-0.749 χ^2/NDF: 746722.0/20

All: 3405.881+/-0.526 χ^2/NDF: 1765472.5/43

\- sign 3382.684+/-0.740 χ^2/NDF: 1016757.4/22

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 3463.991+/-1781.602 χ^2/NDF:4.2/4

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

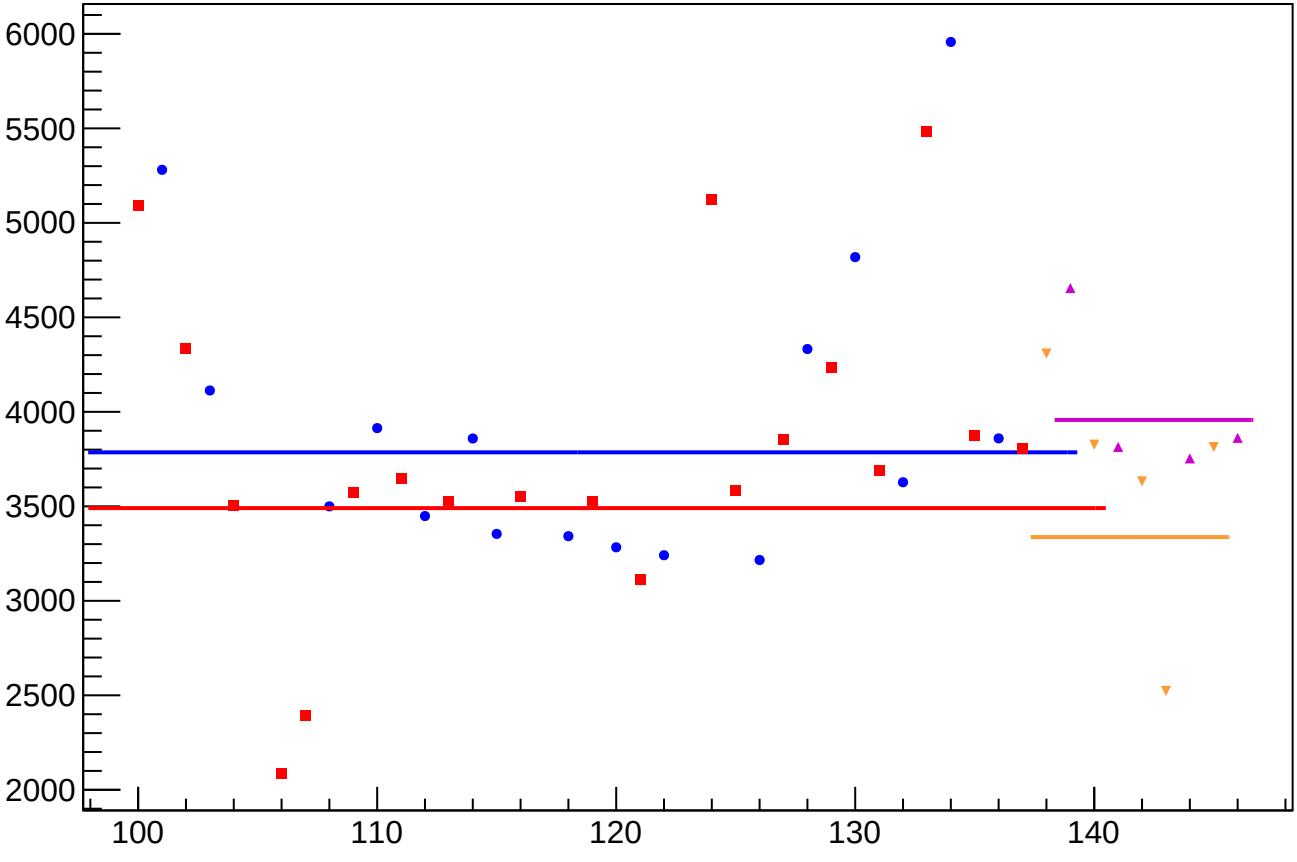
Left In: -473.106+/-2118.256 χ^2/NDF:1.5/3

\+ sign 563.514+/-1115.970 χ^2/NDF: 26.1/20

All: 290.016+/-794.043 χ^2/NDF: 39.5/43

\- sign 9.570+/-1130.055 χ^2/NDF: 13.2/22

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3337.348+/-1.260 χ^2/NDF:305909.8/4

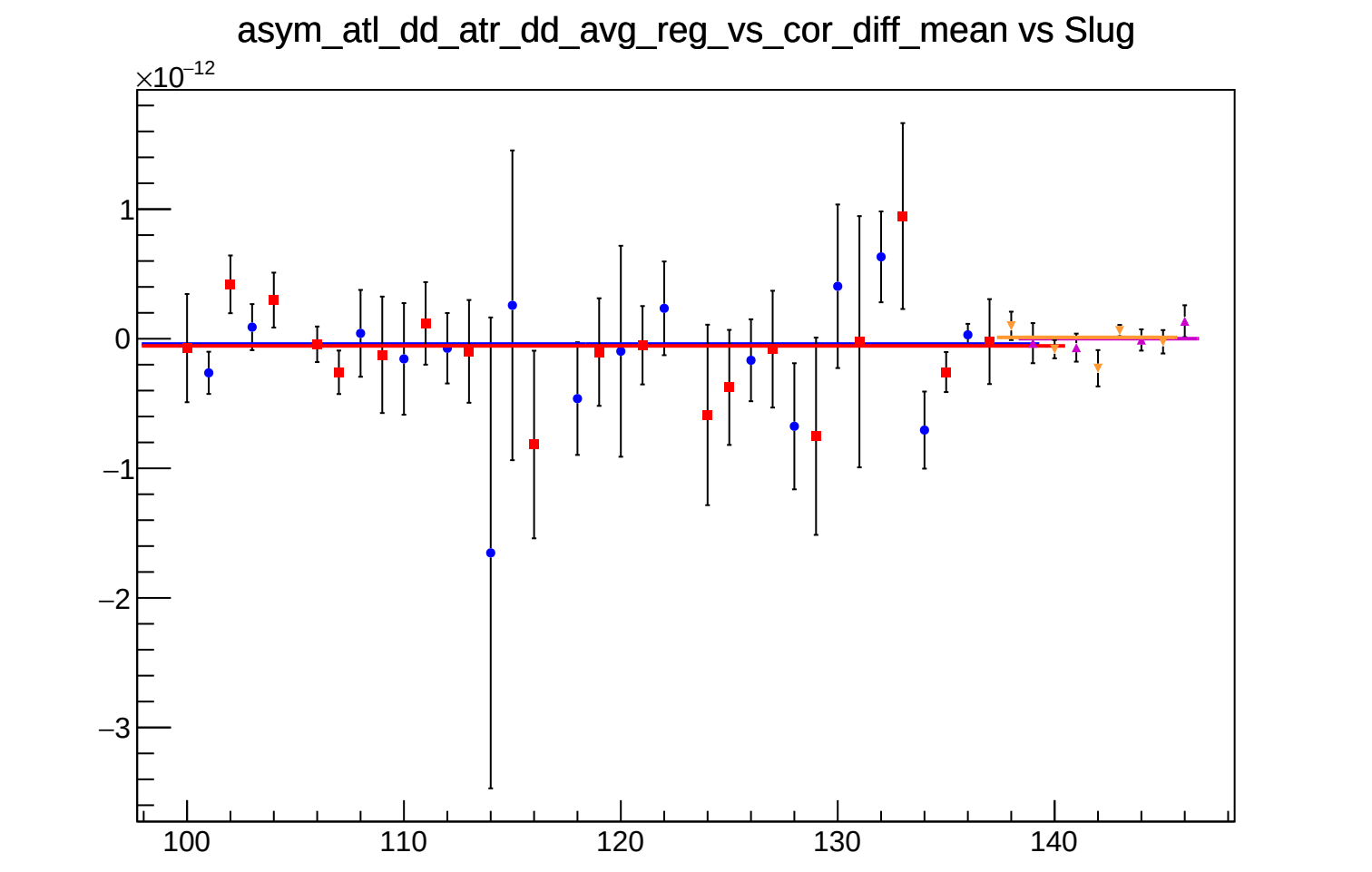
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

+ sign 3609.832+/-0.789 χ^2/NDF: 765893.5/20

All: 3615.313+/-0.559 χ^2/NDF: 1469404.6/43

- sign 3620.824+/-0.791 χ^2/NDF: 703414.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

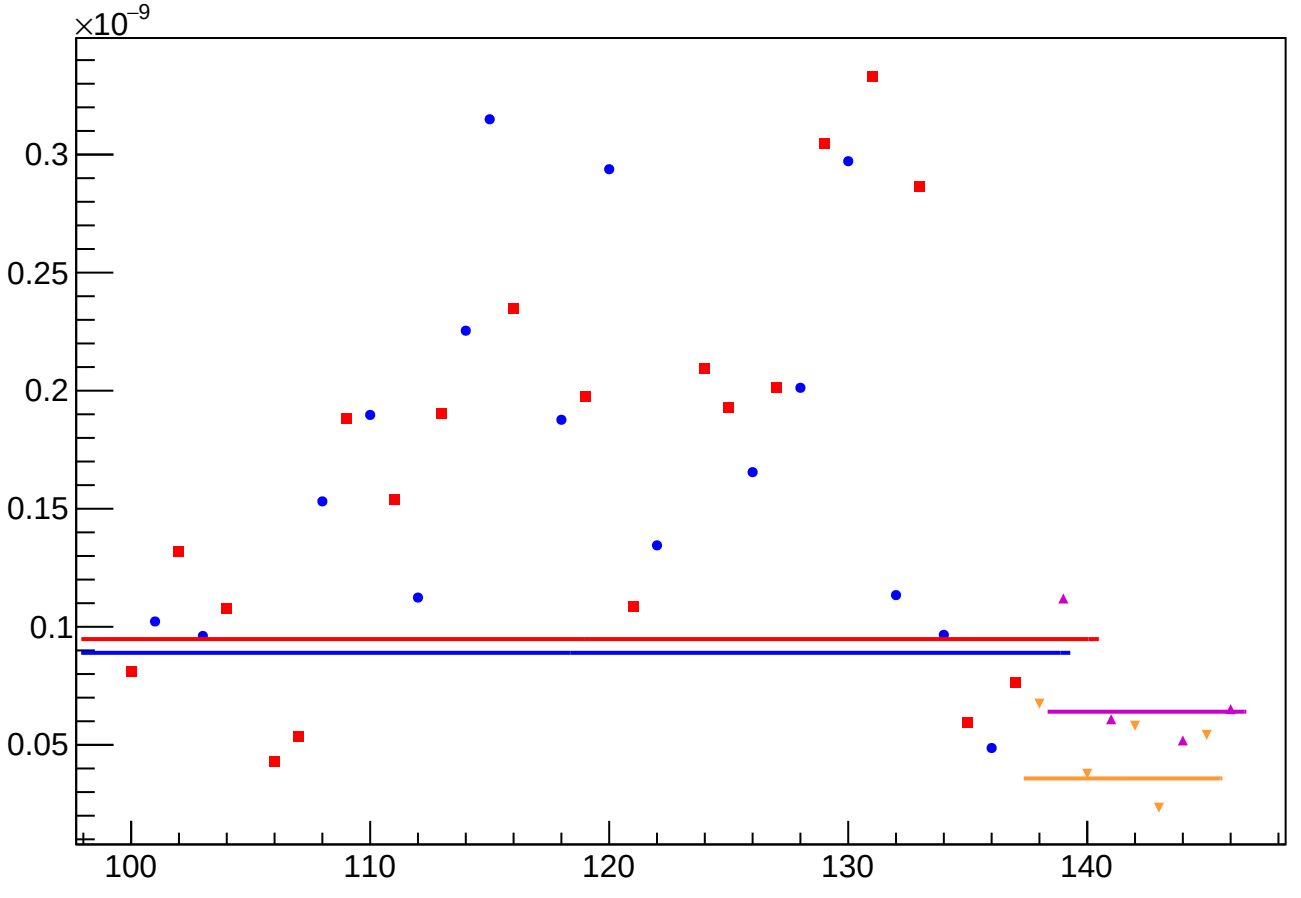
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/20

All: -0.000+/-0.000 χ^2/NDF: 42.2/43

- sign -0.000+/-0.000 χ^2/NDF: 18.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:462218.1/4

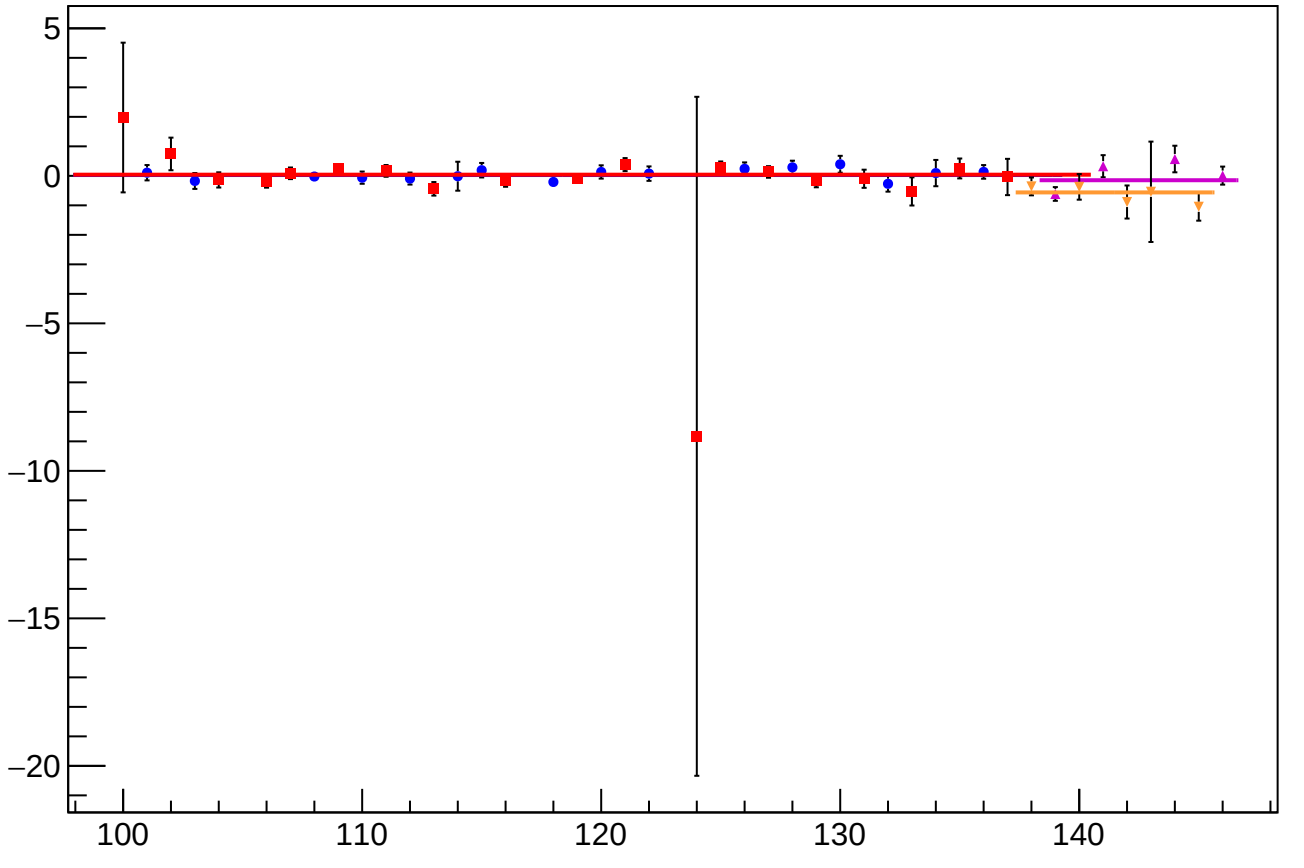
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3178360.2/20

All: 0.000+/-0.000 χ^2/NDF: 6091733.0/43

- sign 0.000+/-0.000 χ^2/NDF: 2242132.1/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

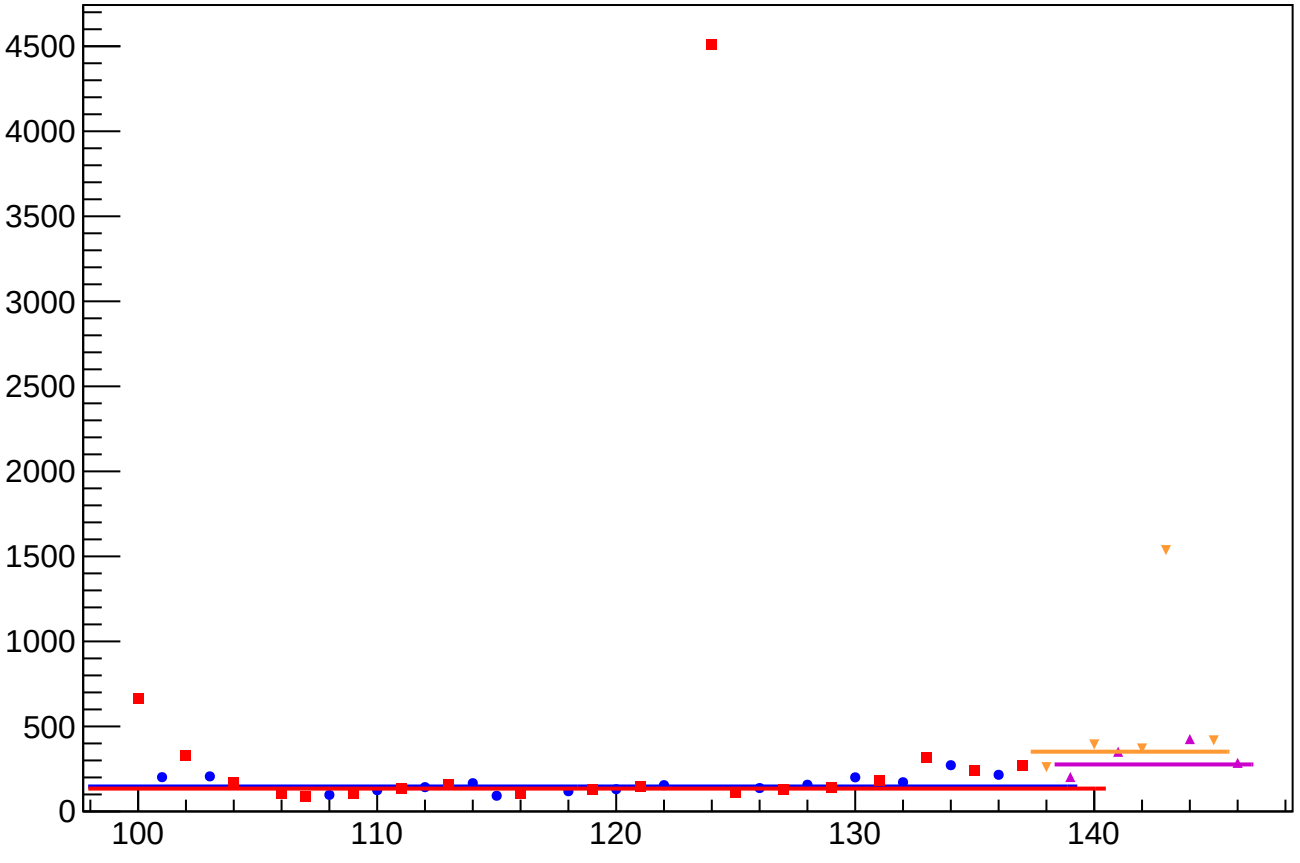
Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 351.544+/-0.144 χ^2/NDF:1213708.4/4

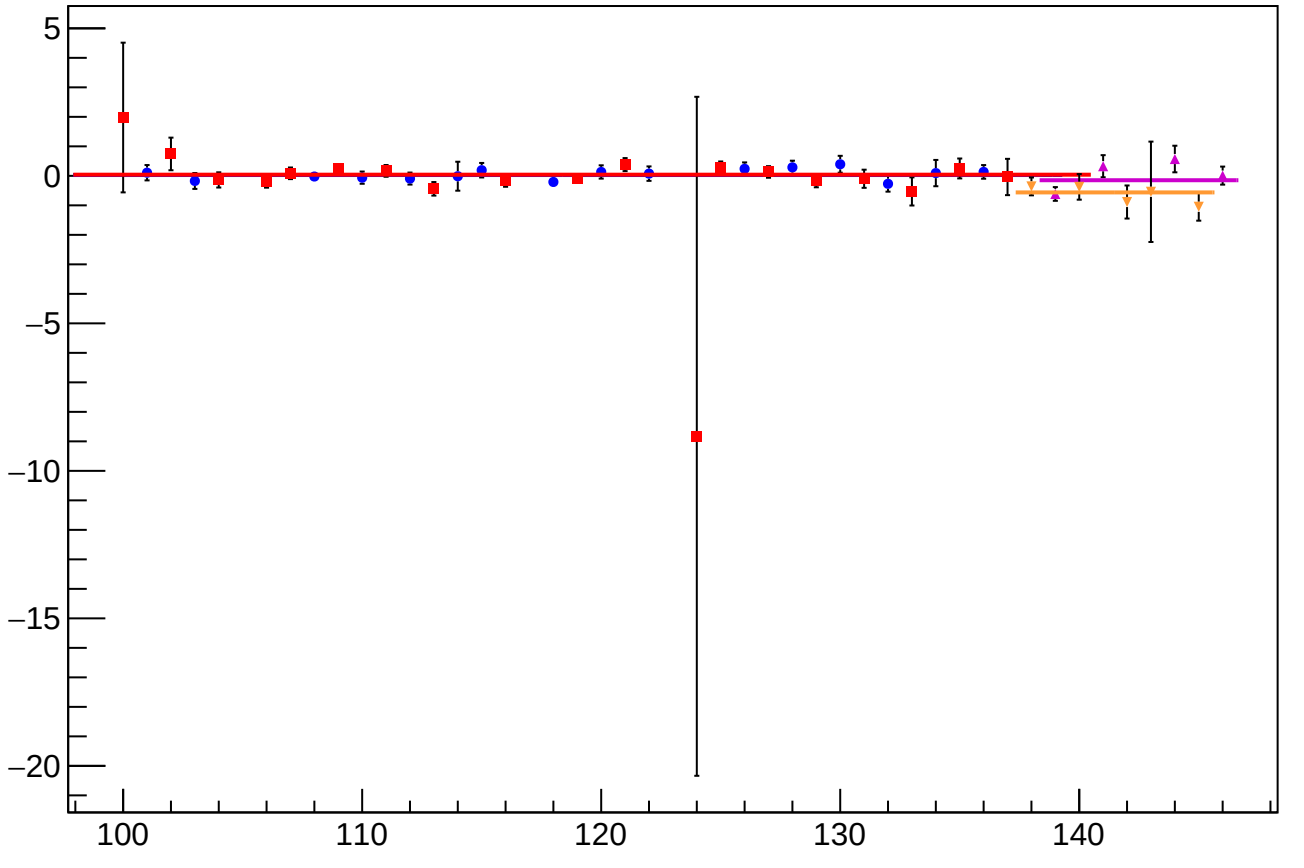
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

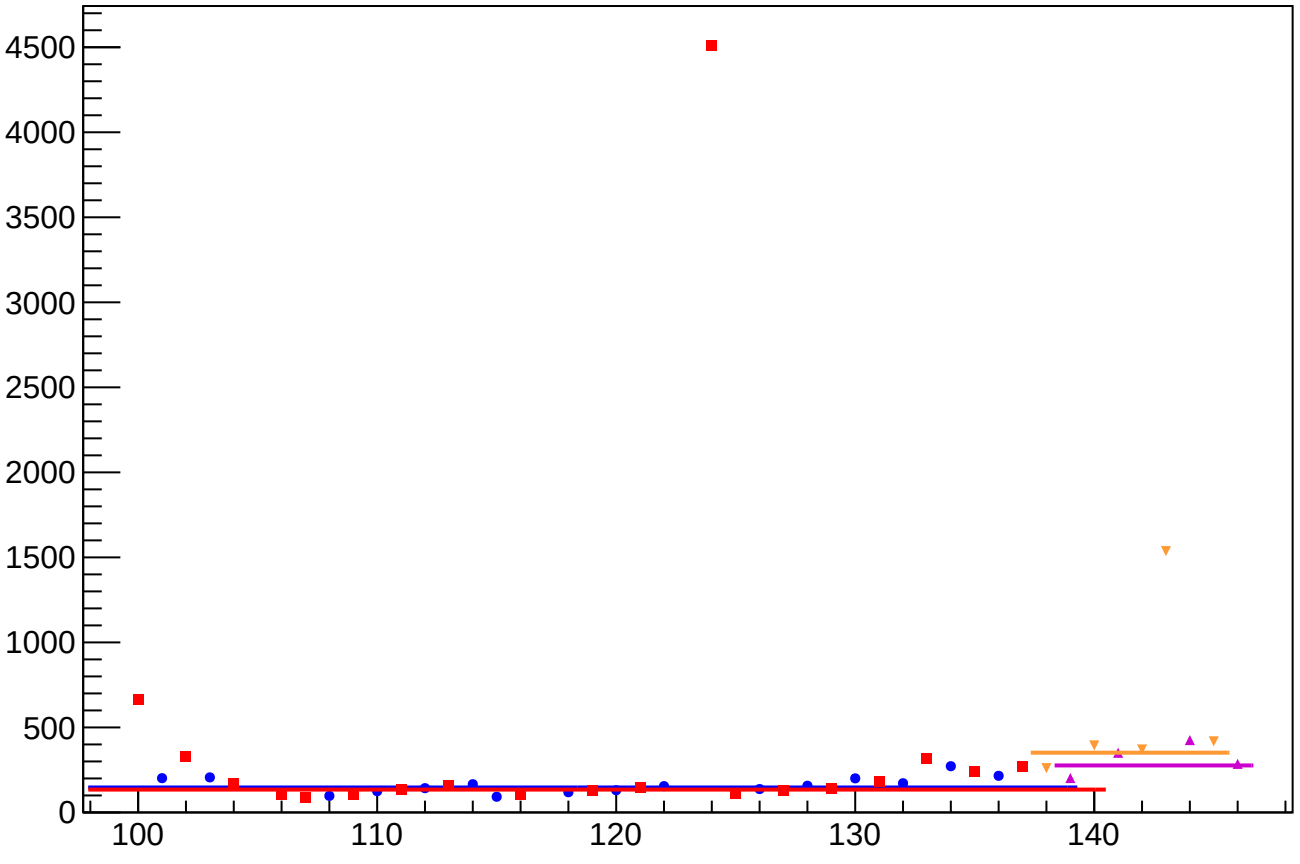
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 351.544+/-0.144 χ^2/NDF:1213708.4/4

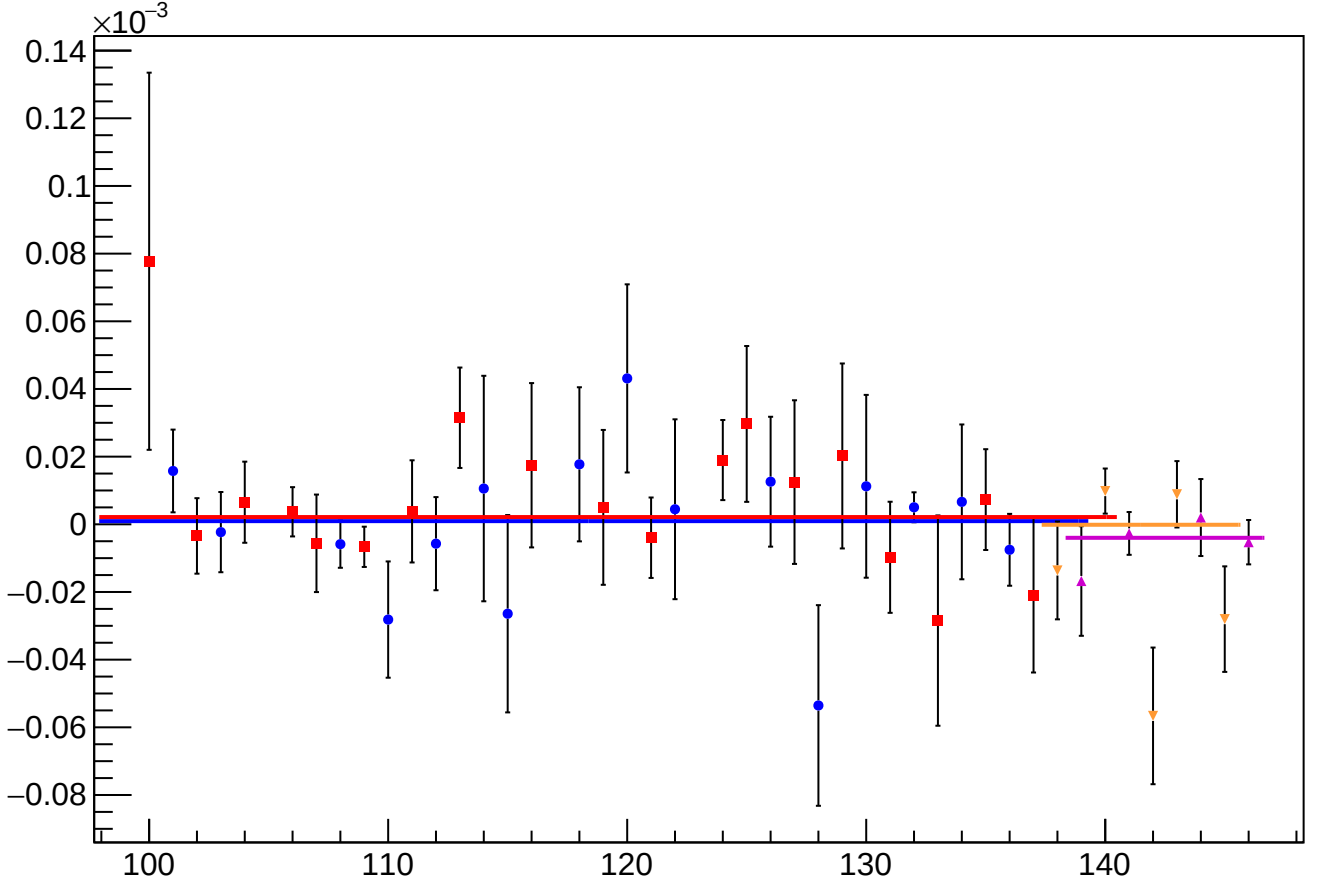
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

\+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

\- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/4

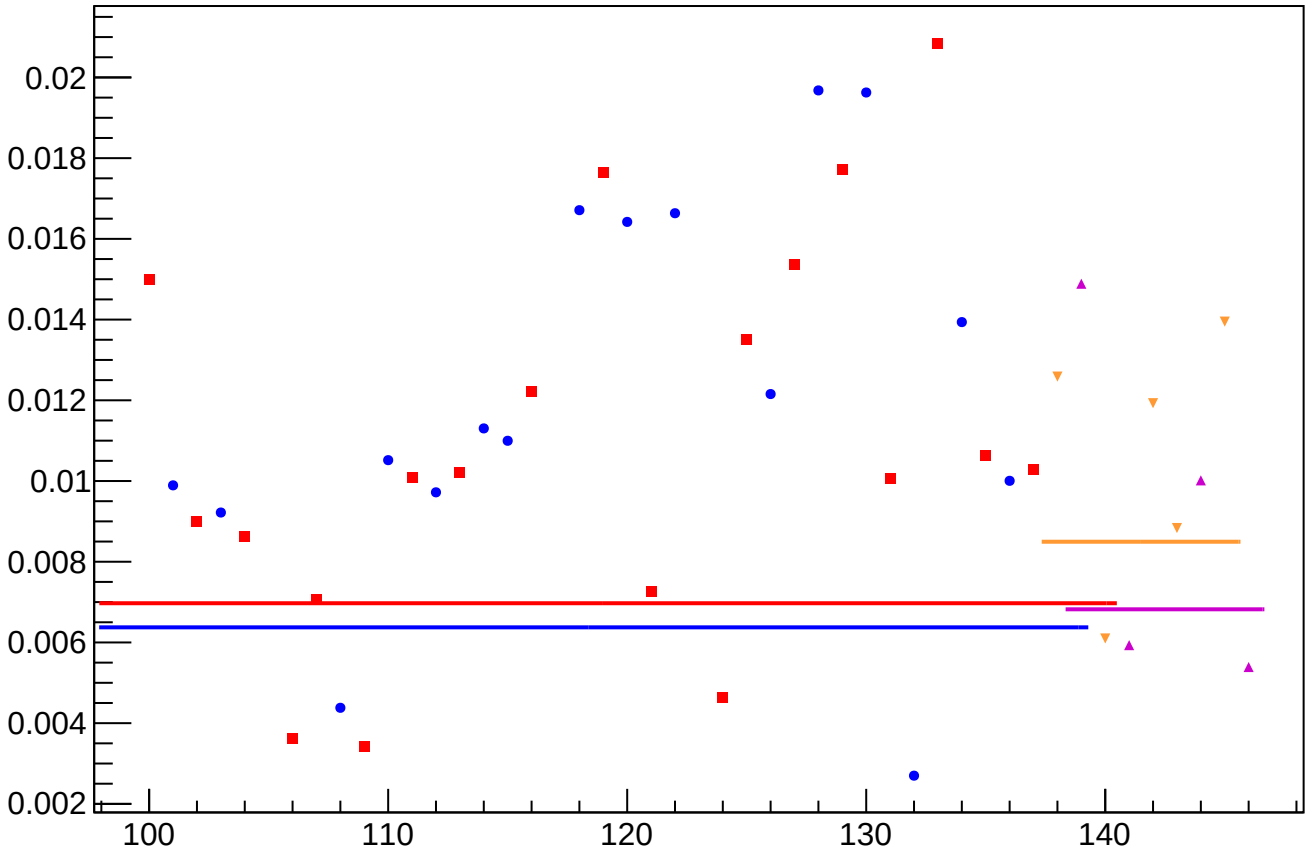
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/20

All: 0.000+/-0.000 χ^2/NDF: 48.4/43

- sign -0.000+/-0.000 χ^2/NDF: 18.5/22



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:723659.6/4

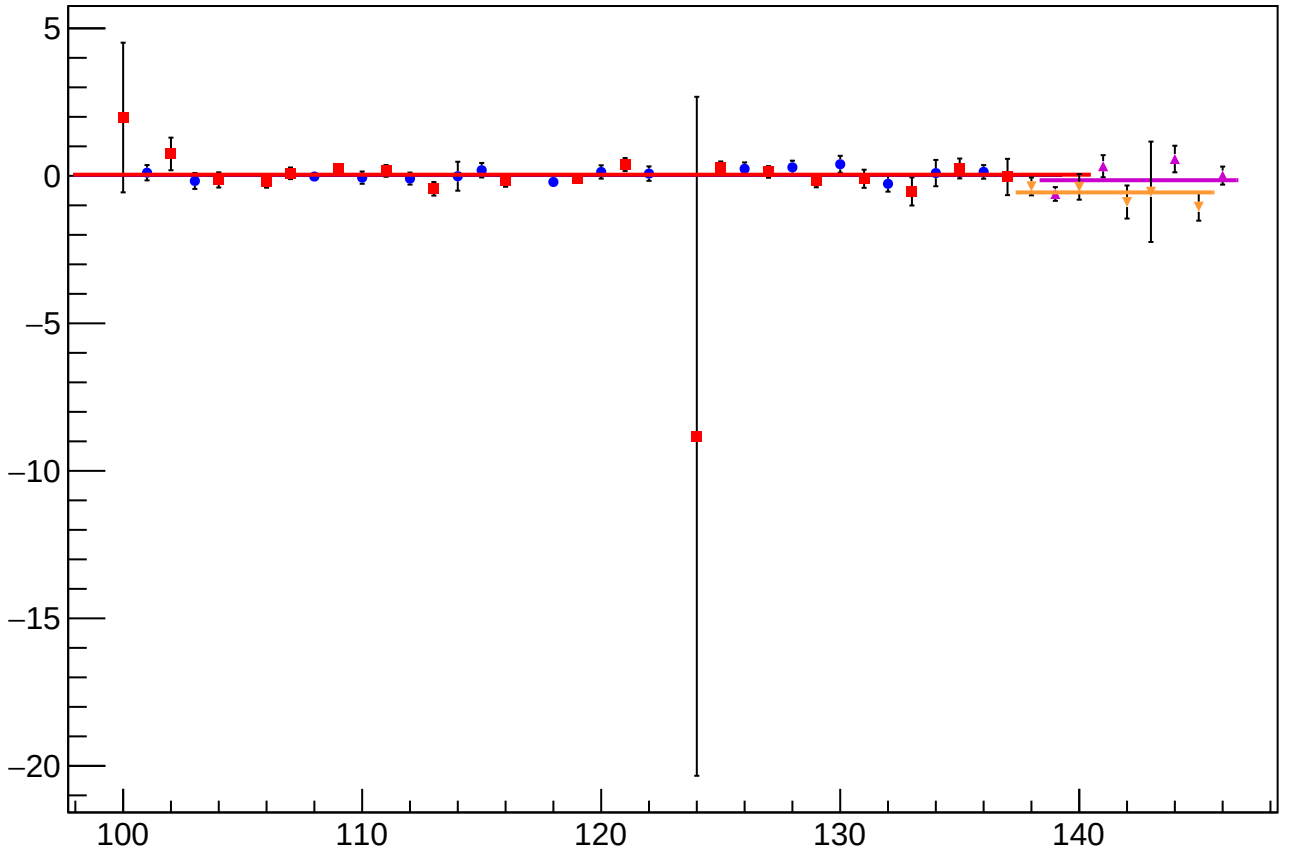
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

+ sign 0.007+/-0.000 χ^2/NDF: 5652236.3/20

All: 0.007+/-0.000 χ^2/NDF: 9852582.6/43

- sign 0.007+/-0.000 χ^2/NDF: 4200098.9/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

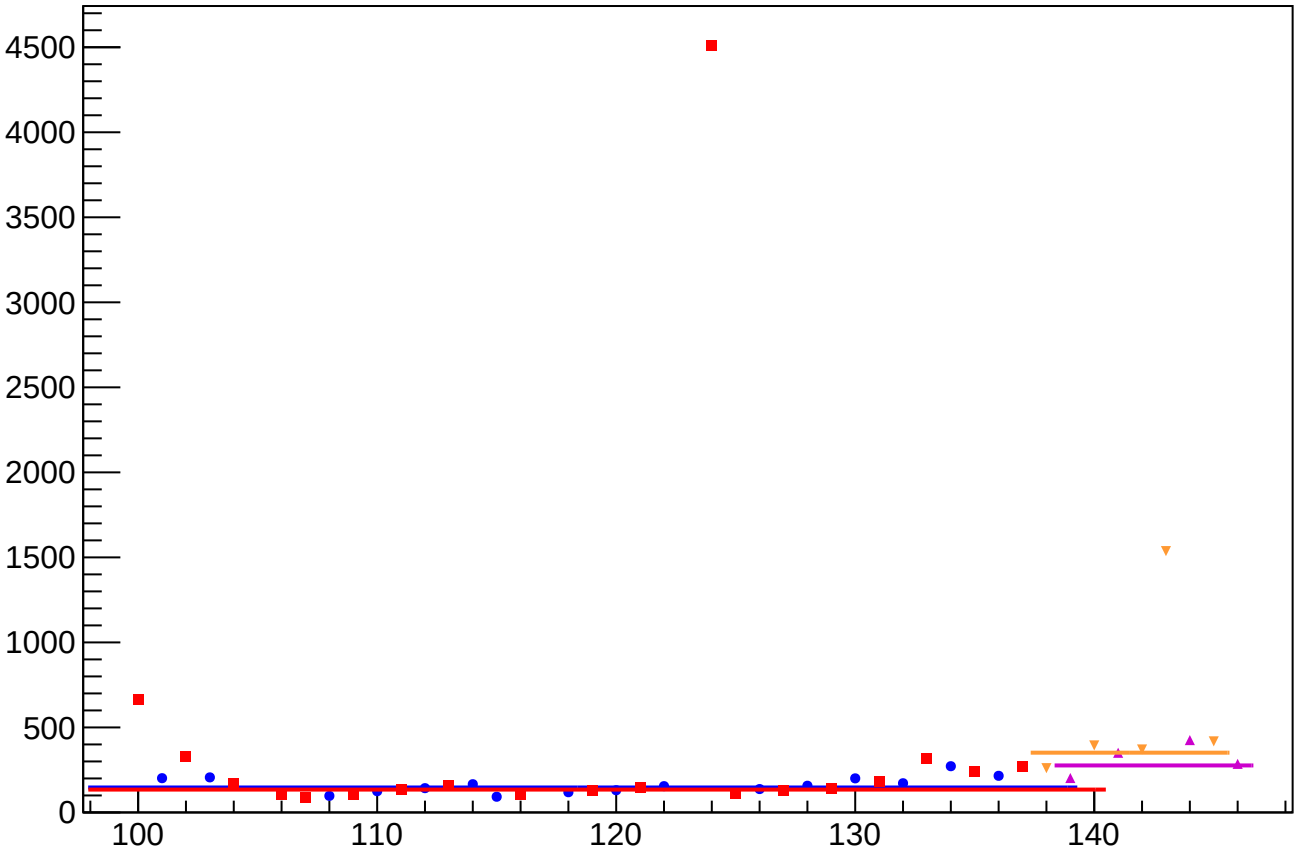
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

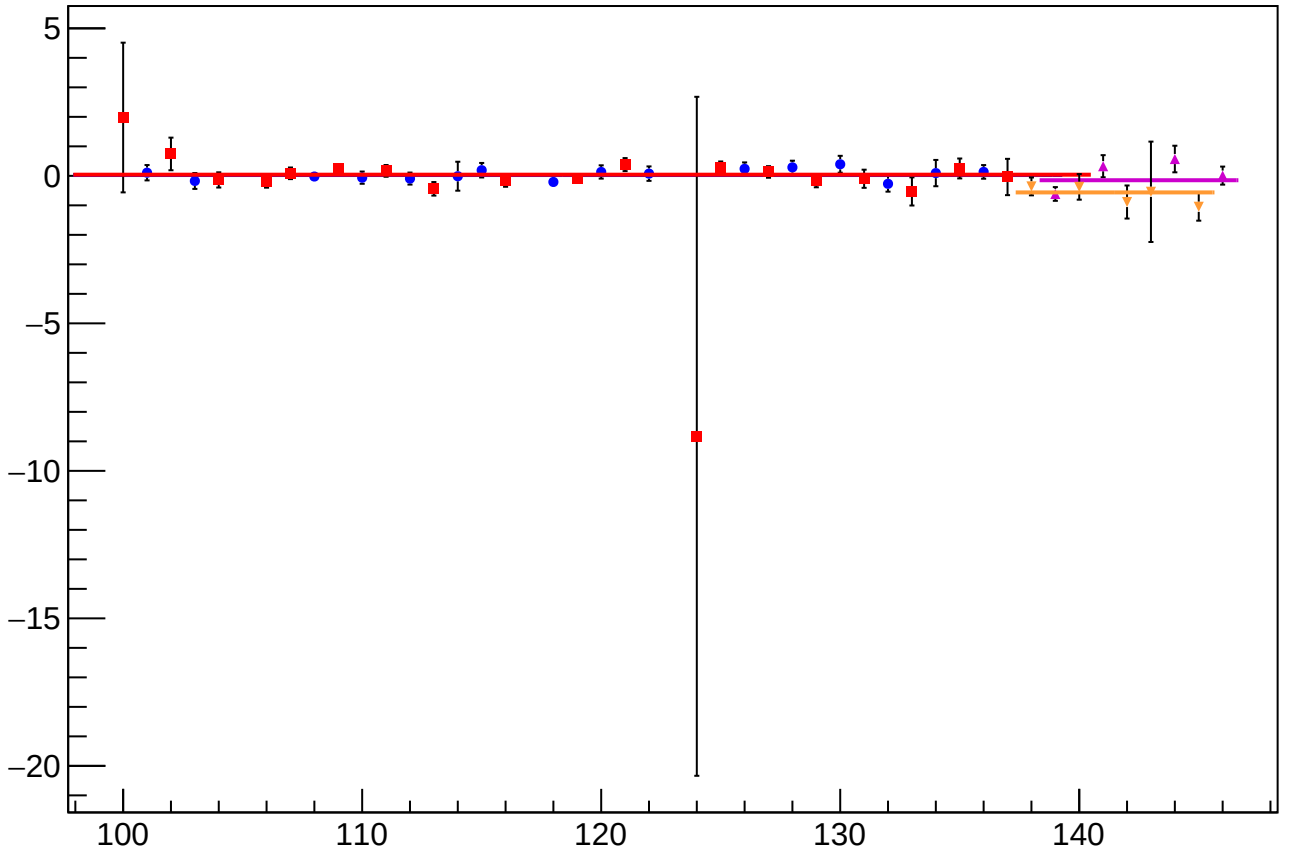
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

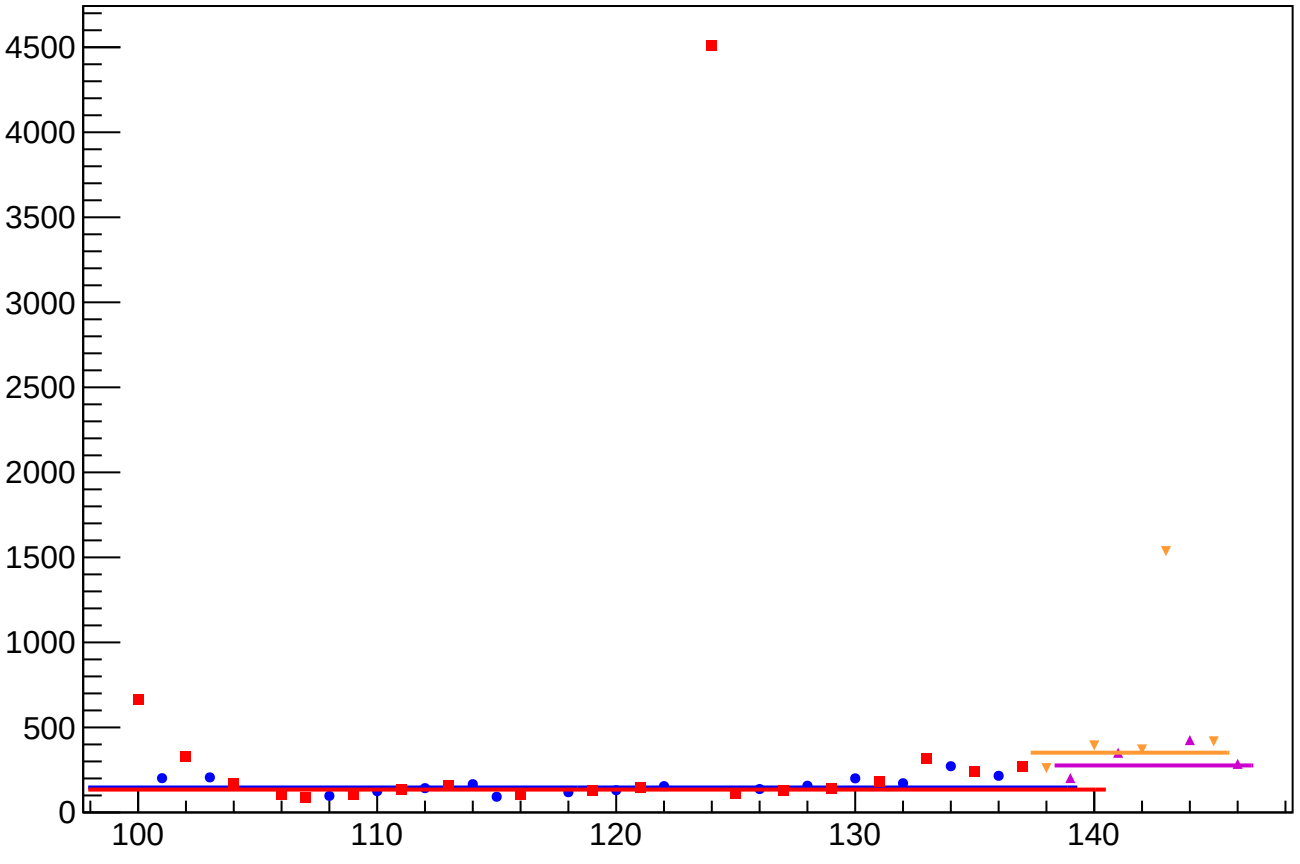
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

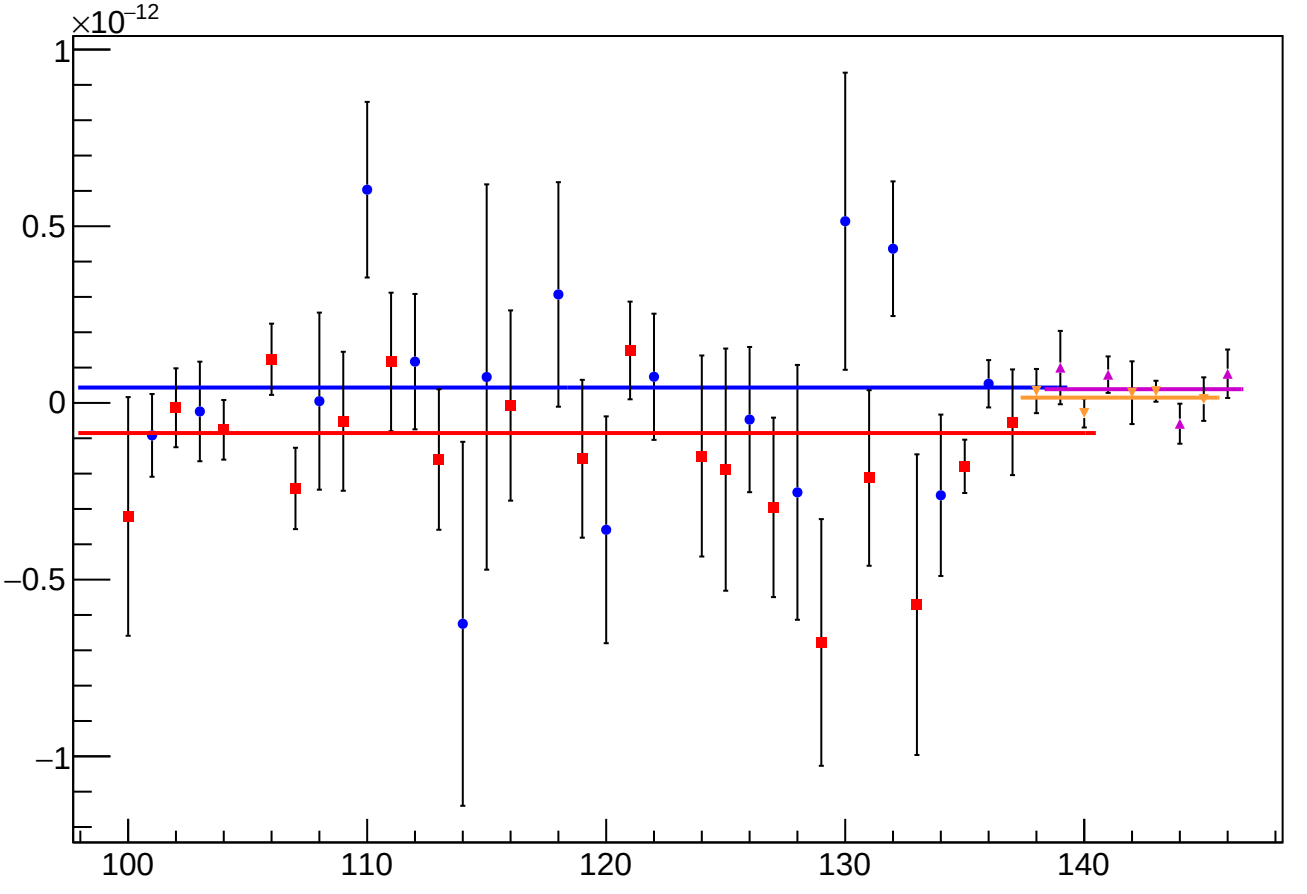
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

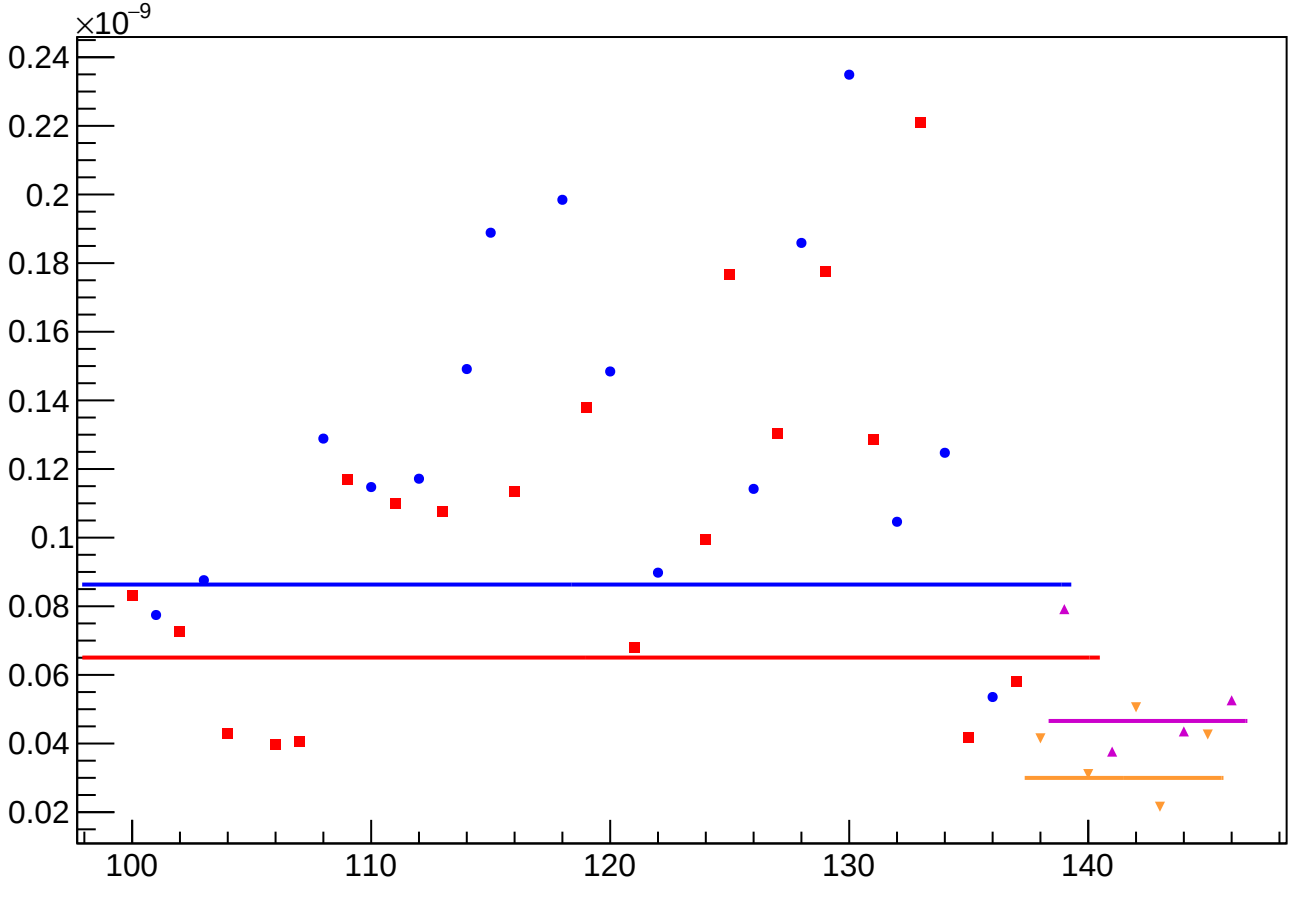
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/20

All: 0.000+/-0.000 χ^2/NDF: 52.3/43

- sign -0.000+/-0.000 χ^2/NDF: 29.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:422011.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

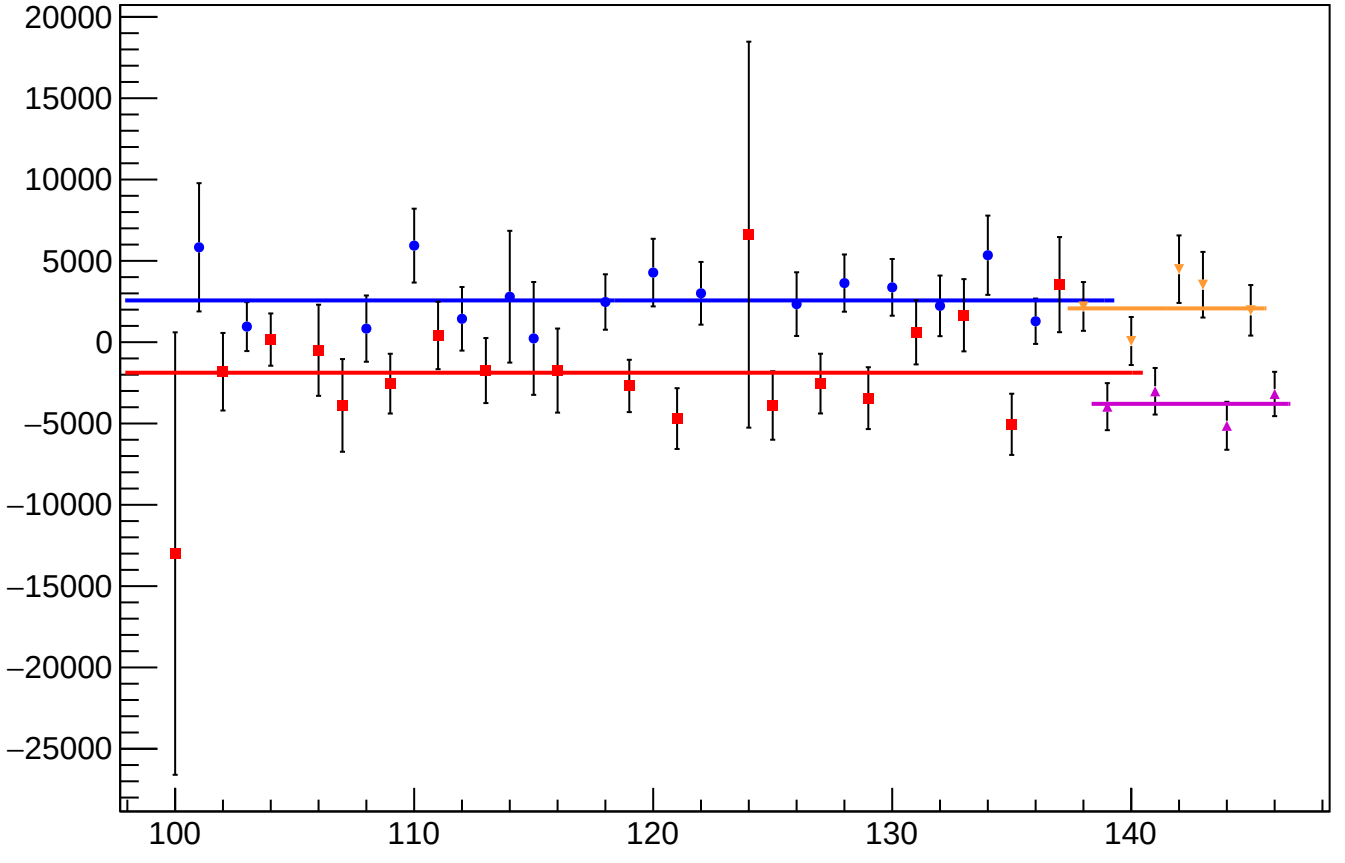
Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

\+ sign 0.000+/-0.000 χ^2/NDF: 4814445.4/20

All: 0.000+/-0.000 χ^2/NDF: 8047653.1/43

\- sign 0.000+/-0.000 χ^2/NDF: 2750566.7/22

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2077.586+/-746.408 χ^2/NDF:3.7/4

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

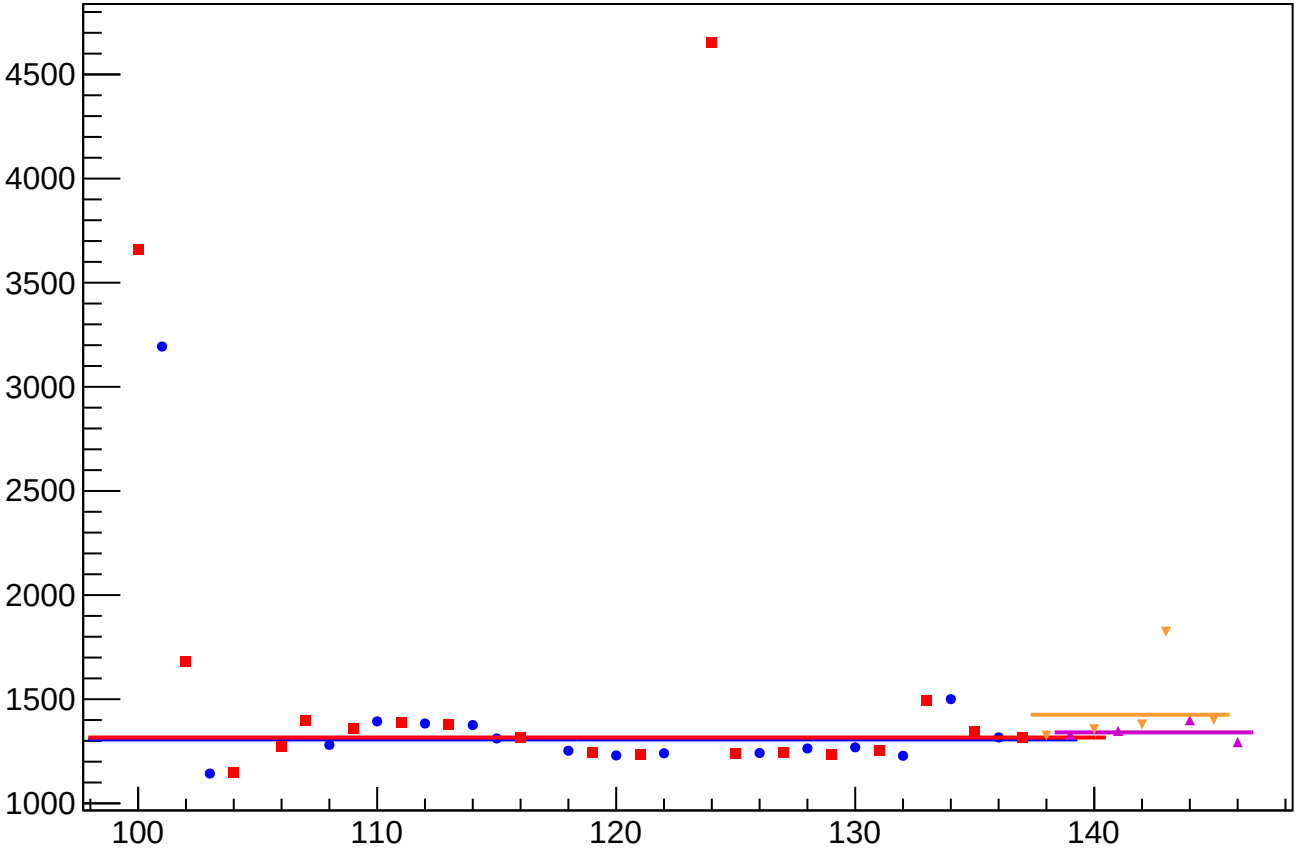
Left In: -3791.341+/-713.605 χ^2/NDF:1.3/3

+ sign 2417.670+/-412.739 χ^2/NDF: 13.1/20

All: -77.727+/-289.645 χ^2/NDF: 110.8/43

- sign -2499.105+/-406.571 χ^2/NDF: 25.7/22

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1425.340+/-0.528 χ^2/NDF:92953.3/4

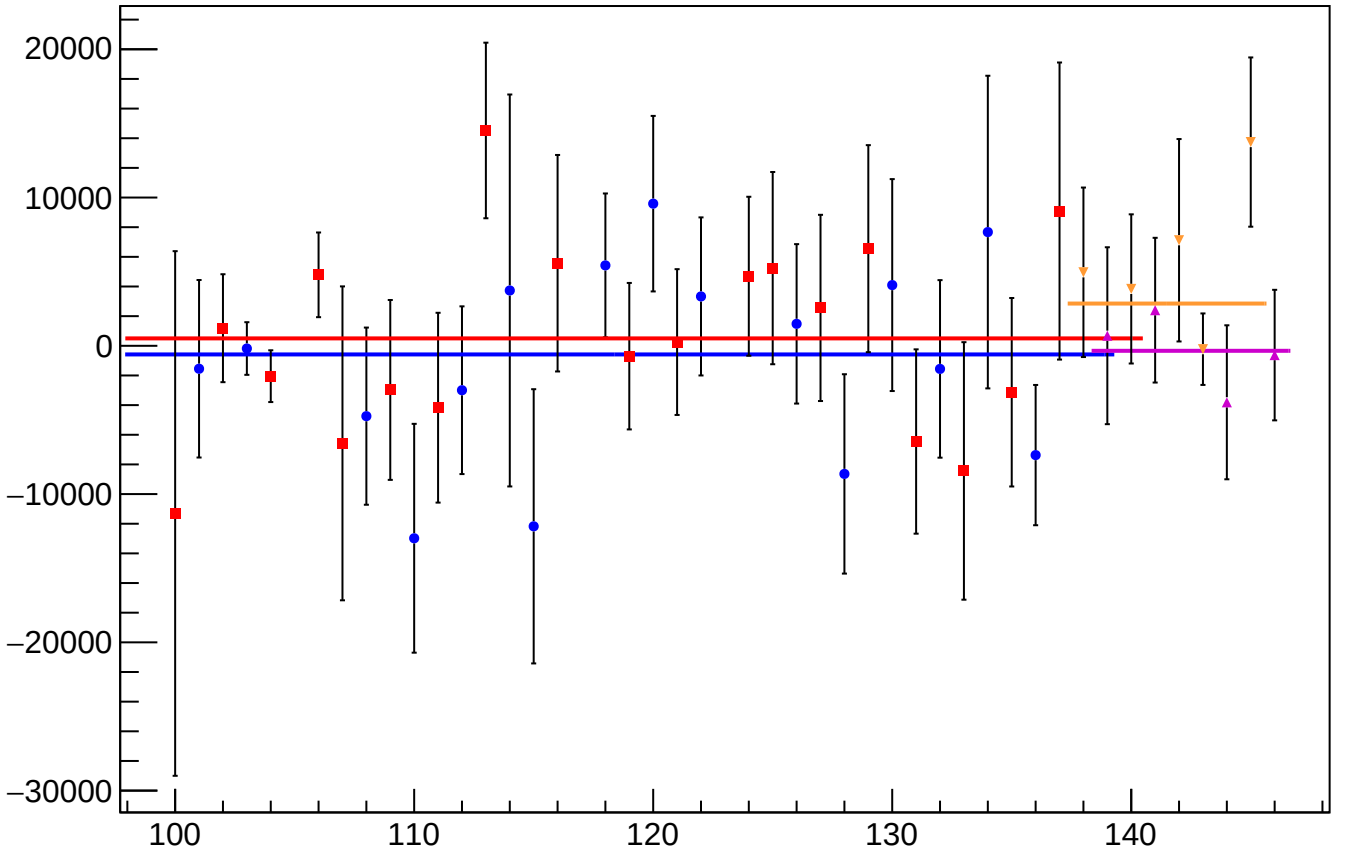
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

+ sign 1343.232+/-0.292 χ^2/NDF: 644063.8/20

All: 1333.446+/-0.205 χ^2/NDF: 979941.8/43

- sign 1323.984+/-0.287 χ^2/NDF: 333666.3/22



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 2849.635+/-1843.171 χ^2/NDF:5.8/4

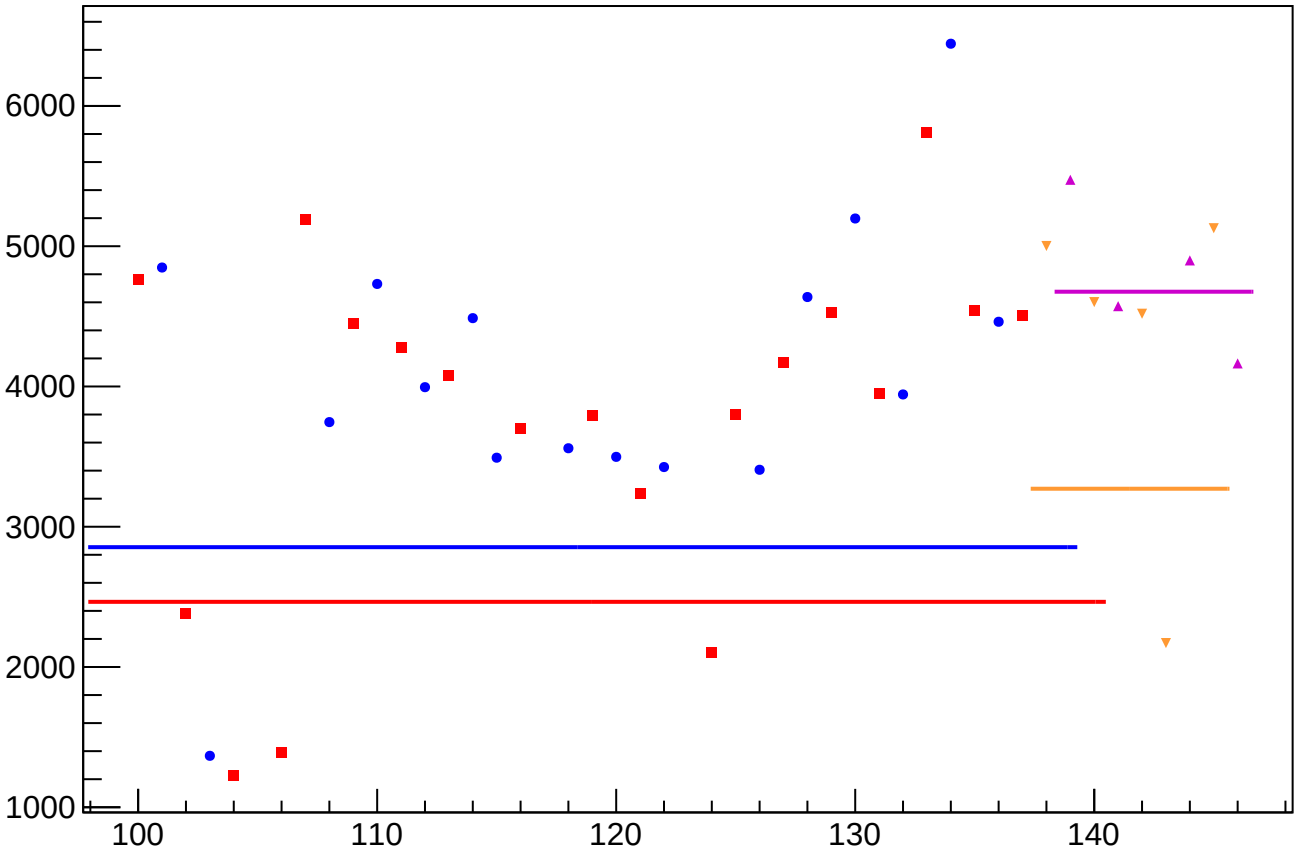
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -337.352+/-2509.765 χ^2/NDF:0.8/3

+ sign 431.164+/-1001.436 χ^2/NDF: 23.0/20

All: 401.887+/-697.817 χ^2/NDF: 41.6/43

- sign 374.253+/-972.907 χ^2/NDF: 18.6/22



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3270.960+/-1.303 χ^2/NDF:1018509.5/4

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

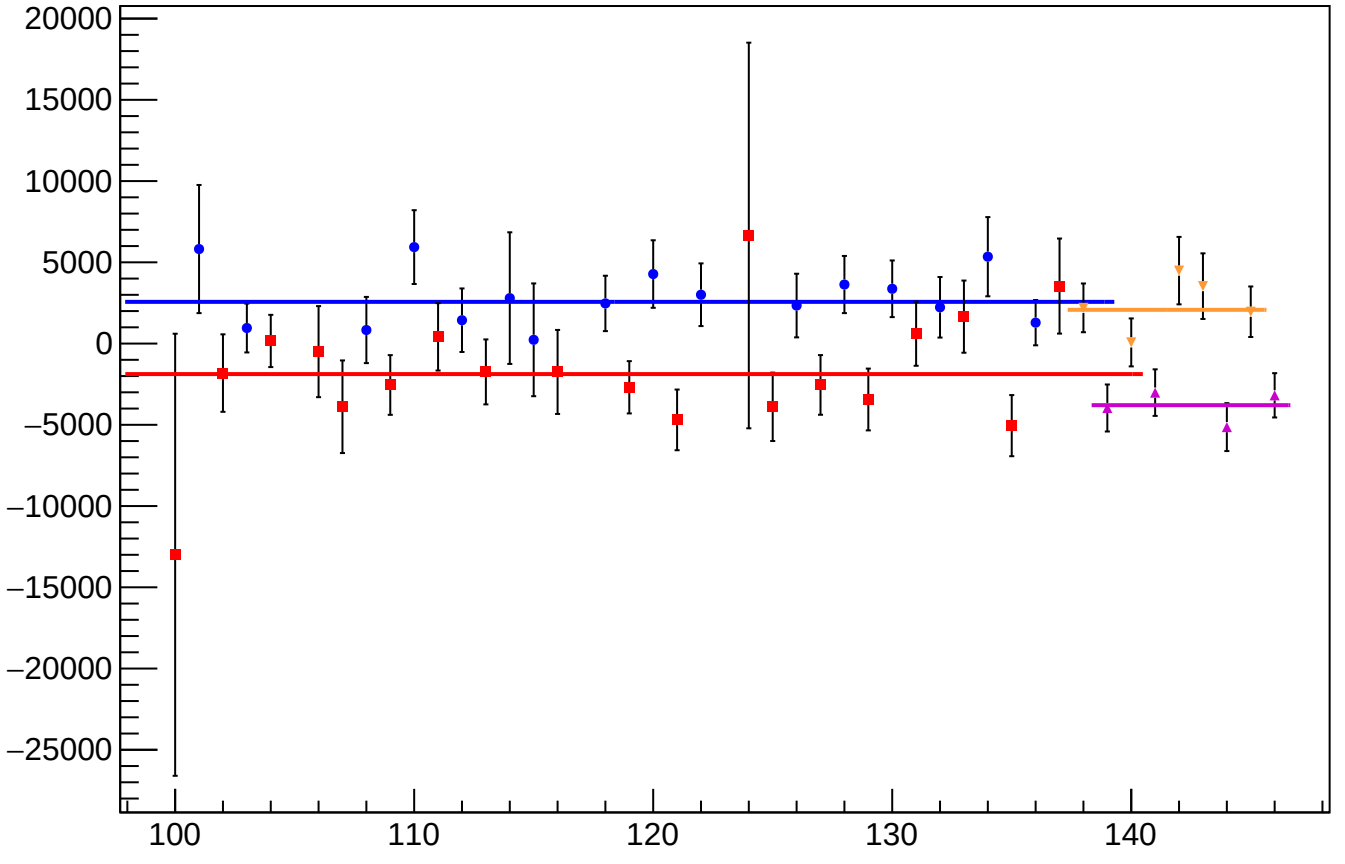
Left In: 4675.621+/-1.775 χ^2/NDF:67341.9/3

+ sign 2977.297+/-0.708 χ^2/NDF: 3995364.2/20

All: 2884.465+/-0.493 χ^2/NDF: 8771023.3/43

- sign 2796.847+/-0.688 χ^2/NDF: 4742251.9/22

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2077.735+/-746.408 χ^2/NDF:3.7/4

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

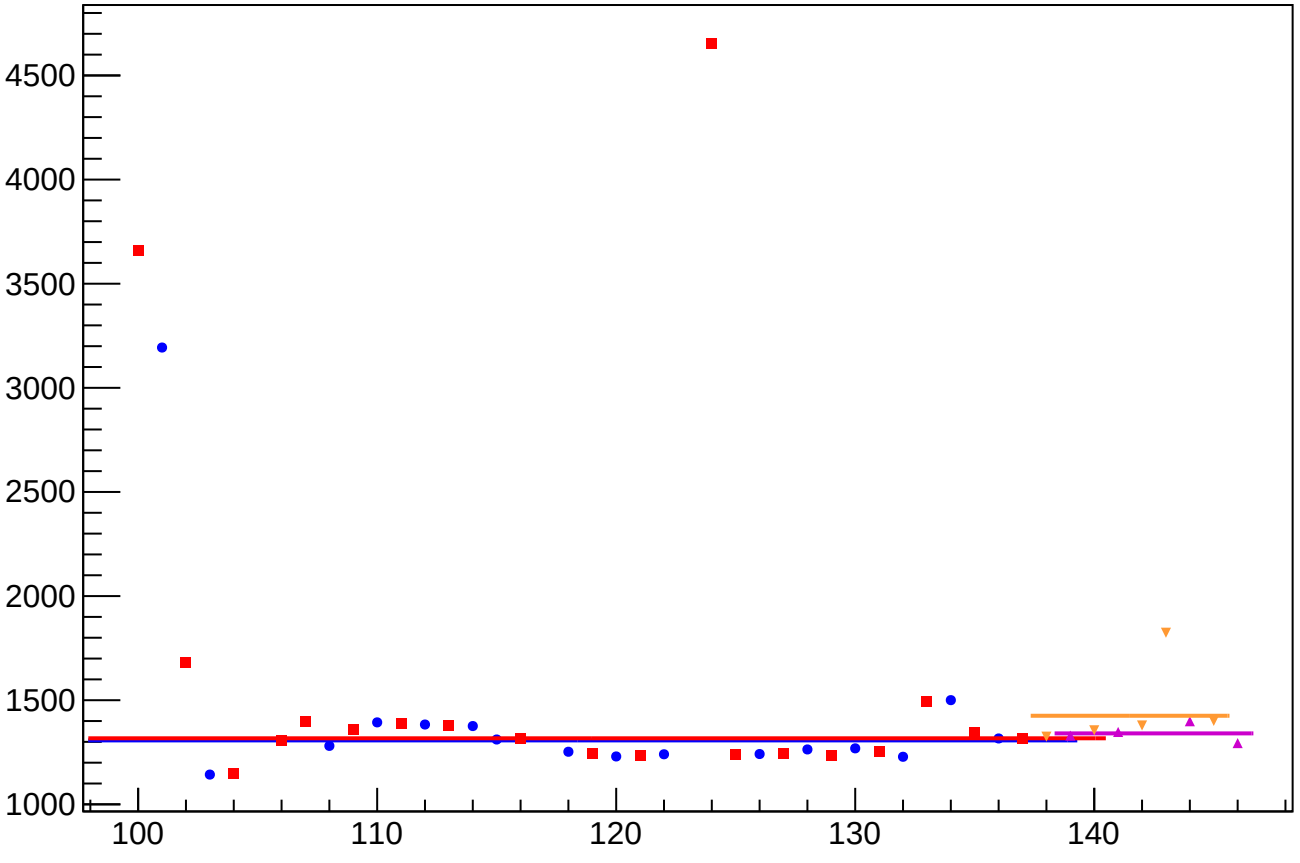
Left In: -3791.568+/-713.605 χ^2/NDF:1.3/3

+ sign 2417.521+/-412.739 χ^2/NDF: 13.1/20

All: -77.750+/-289.645 χ^2/NDF: 110.8/43

- sign -2499.006+/-406.572 χ^2/NDF: 25.7/22

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1425.340+/-0.528 χ^2/NDF:92953.3/4

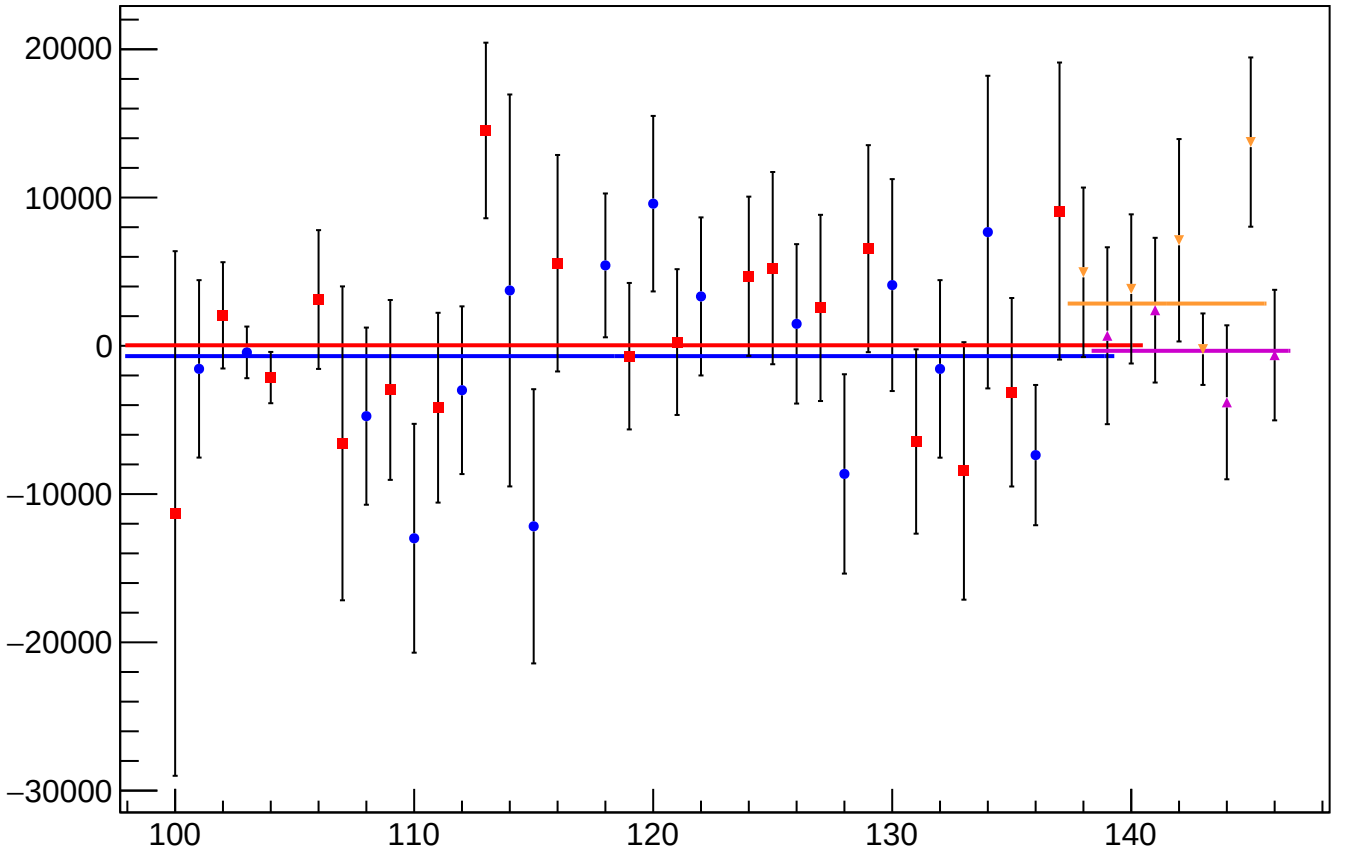
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

+ sign 1343.232+/-0.292 χ^2/NDF: 644065.4/20

All: 1333.843+/-0.205 χ^2/NDF: 979129.6/43

- sign 1324.756+/-0.287 χ^2/NDF: 333027.5/22



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 2849.684+/-1843.155 χ^2/NDF:5.8/4

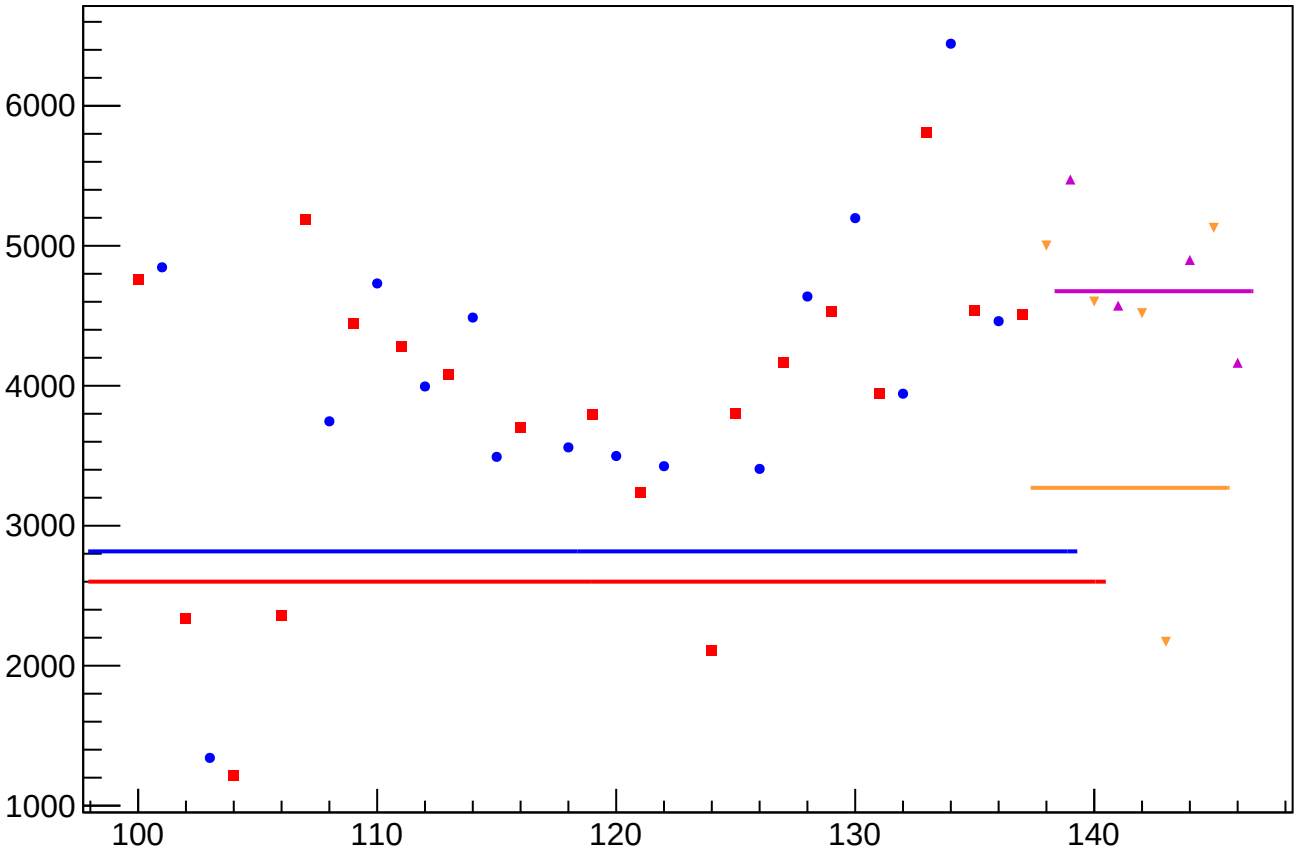
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -337.382+/-2509.765 χ^2/NDF:0.8/3

+ sign 338.319+/-995.239 χ^2/NDF: 23.1/20

All: 159.172+/-707.550 χ^2/NDF: 40.0/43

- sign -23.907+/-1006.103 χ^2/NDF: 16.8/22



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3270.924+/-1.303 χ^2/NDF:1018537.4/4

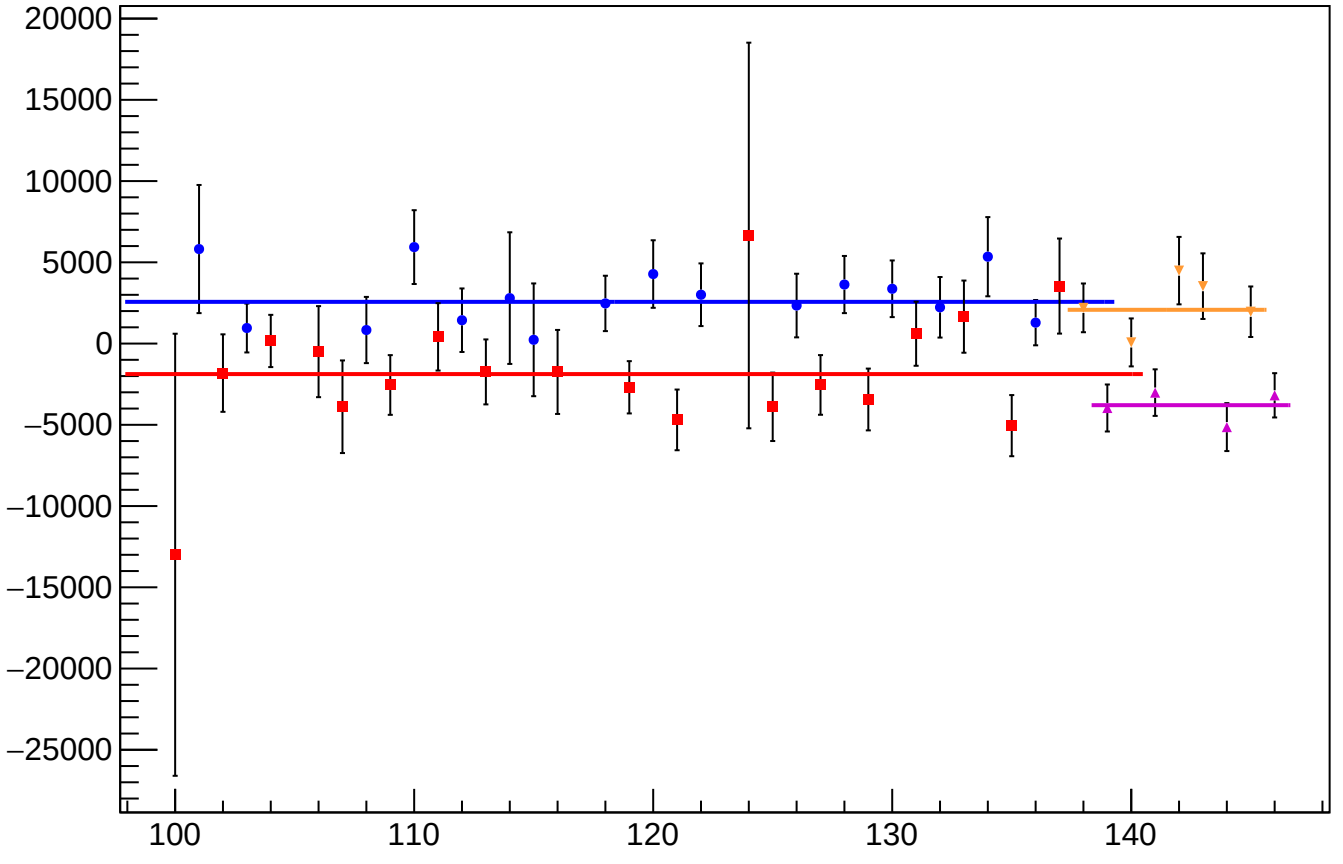
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4675.620+/-1.775 χ^2/NDF:67342.4/3

+ sign 2949.194+/-0.704 χ^2/NDF: 4112125.3/20

All: 2941.677+/-0.500 χ^2/NDF: 8407981.3/43

- sign 2933.994+/-0.711 χ^2/NDF: 4295625.3/22



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2077.735+/-746.408 χ^2/NDF:3.7/4

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

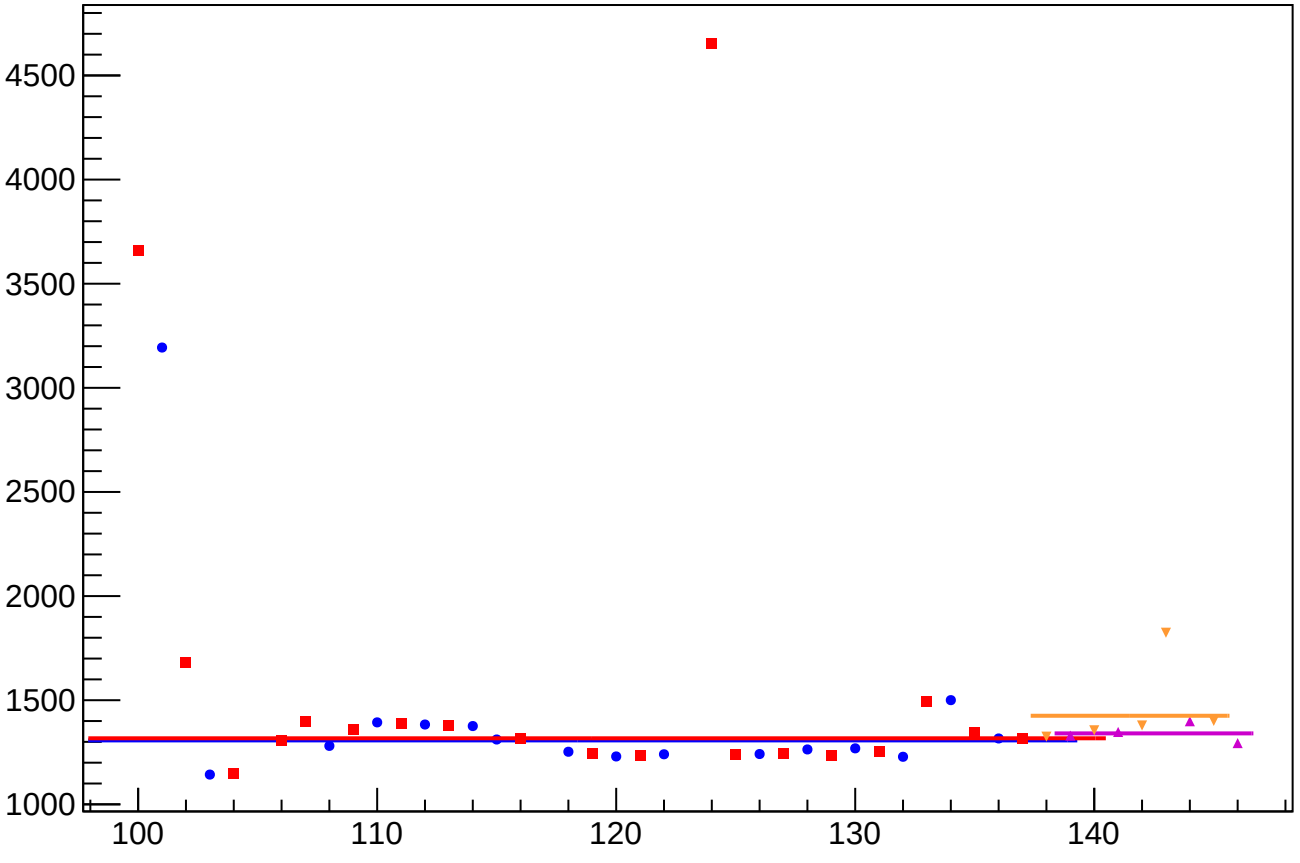
Left In: -3791.568+/-713.605 χ^2/NDF:1.3/3

+ sign 2417.521+/-412.739 χ^2/NDF: 13.1/20

All: -77.750+/-289.645 χ^2/NDF: 110.8/43

- sign -2499.006+/-406.572 χ^2/NDF: 25.7/22

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: 1425.340+/-0.528 χ^2/NDF:92953.3/4

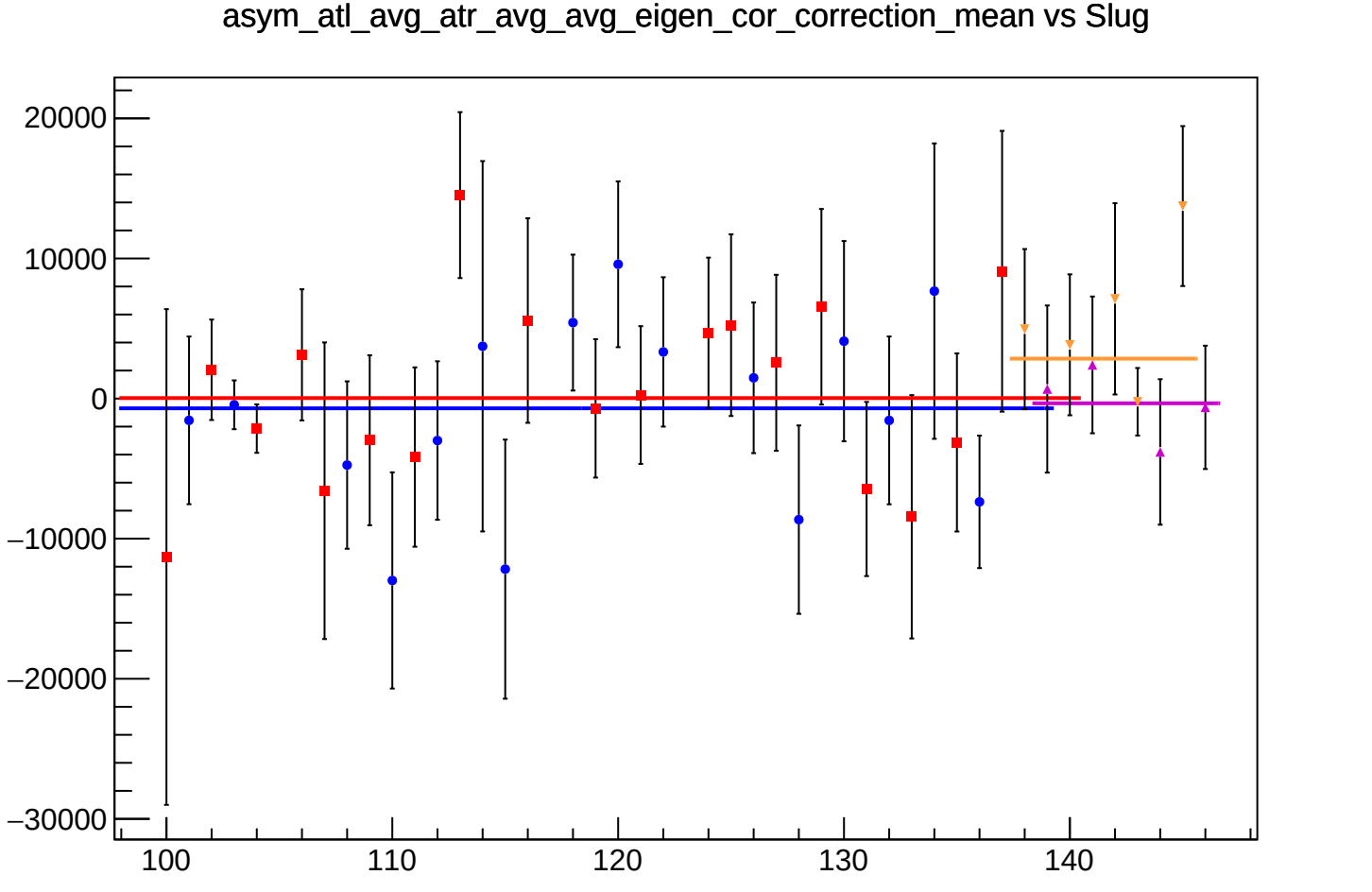
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

+ sign 1343.232+/-0.292 χ^2/NDF: 644065.4/20

All: 1333.843+/-0.205 χ^2/NDF: 979129.6/43

- sign 1324.756+/-0.287 χ^2/NDF: 333027.5/22



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 2849.684+/-1843.155 χ^2/NDF:5.8/4

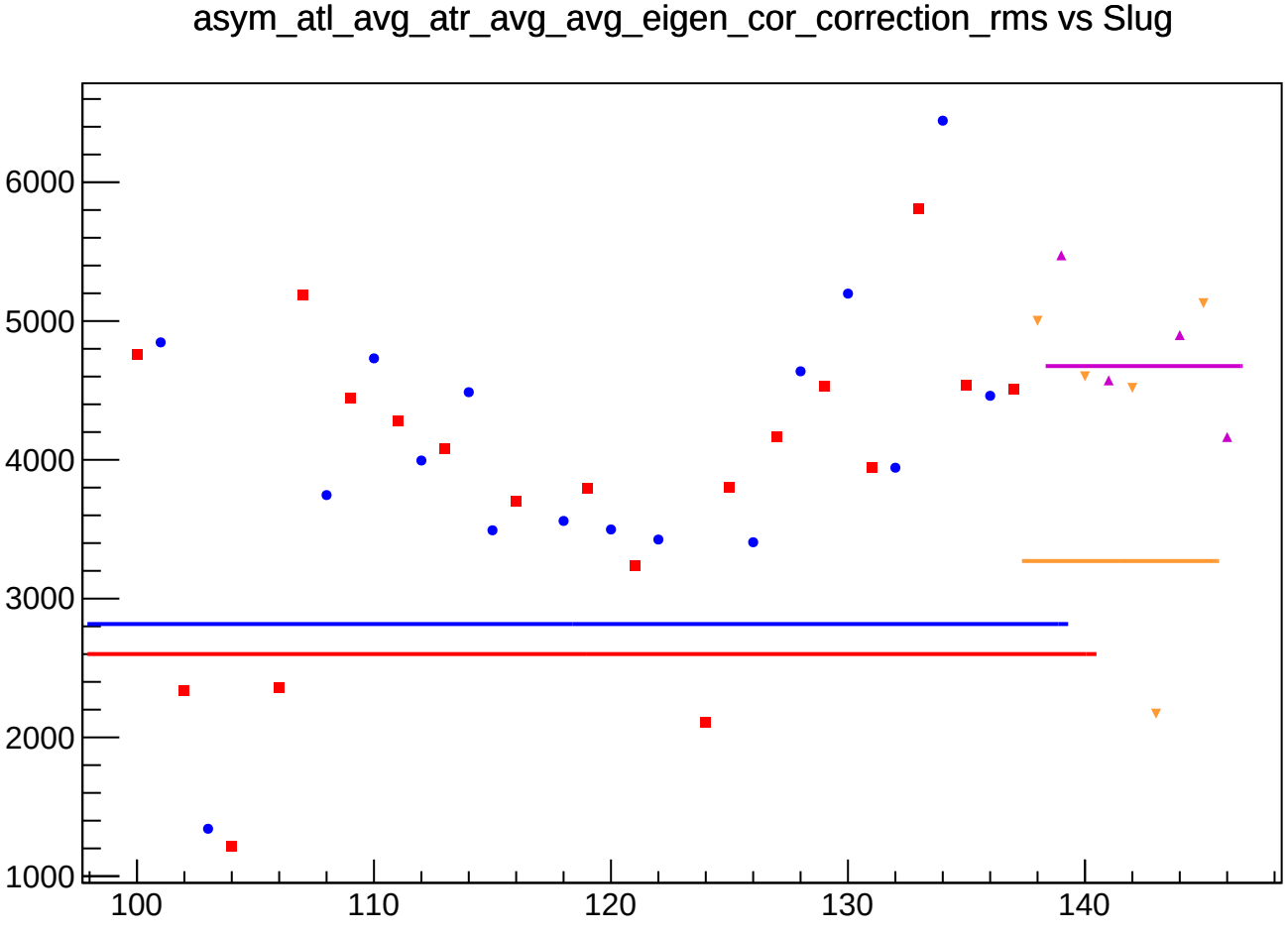
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -337.382+/-2509.765 χ^2/NDF:0.8/3

+ sign 338.319+/-995.239 χ^2/NDF: 23.1/20

All: 159.172+/-707.550 χ^2/NDF: 40.0/43

- sign -23.907+/-1006.103 χ^2/NDF: 16.8/22



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3270.924+/-1.303 χ^2/NDF:1018537.4/4

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

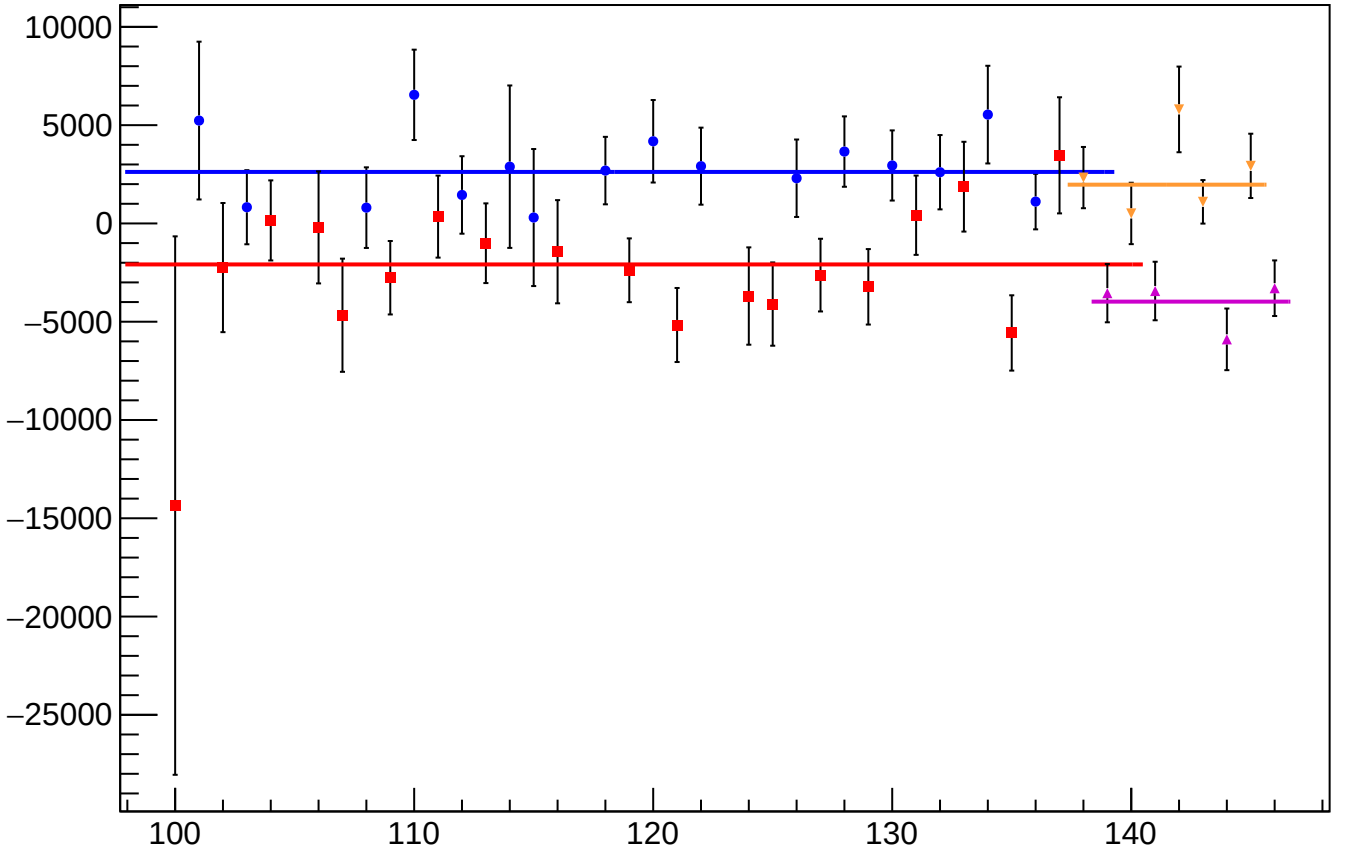
Left In: 4675.620+/-1.775 χ^2/NDF:67342.4/3

+ sign 2949.194+/-0.704 χ^2/NDF: 4112125.3/20

All: 2941.677+/-0.500 χ^2/NDF: 8407981.3/43

- sign 2933.994+/-0.711 χ^2/NDF: 4295625.3/22

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1972.326+/-670.905 χ^2/NDF:5.0/4

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

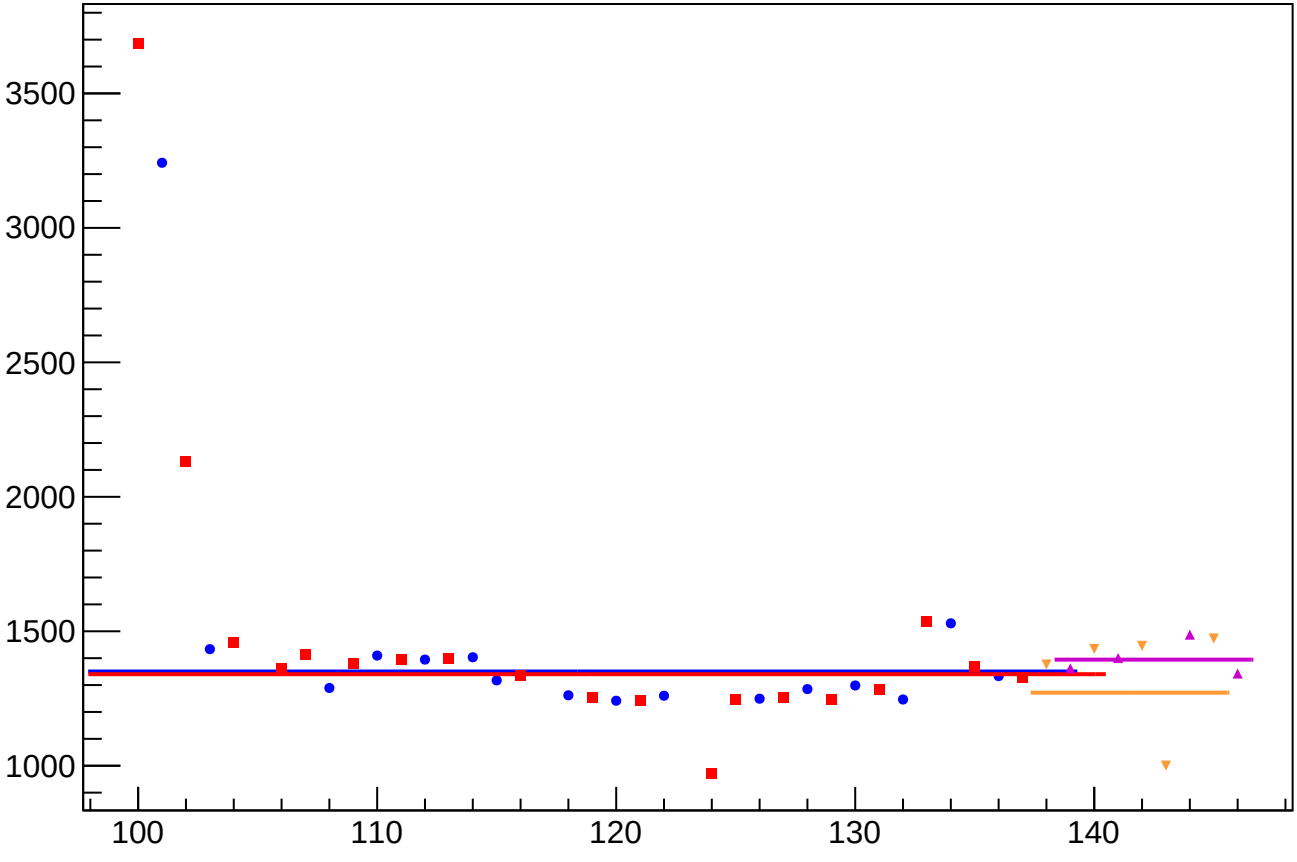
Left In: -3977.920+/-742.719 χ^2/NDF:1.9/3

+ sign 2382.252+/-406.771 χ^2/NDF: 14.9/20

All: -84.535+/-291.363 χ^2/NDF: 117.8/43

- sign -2683.656+/-417.539 χ^2/NDF: 27.3/22

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1271.784+/-0.474 χ^2/NDF:193903.7/4

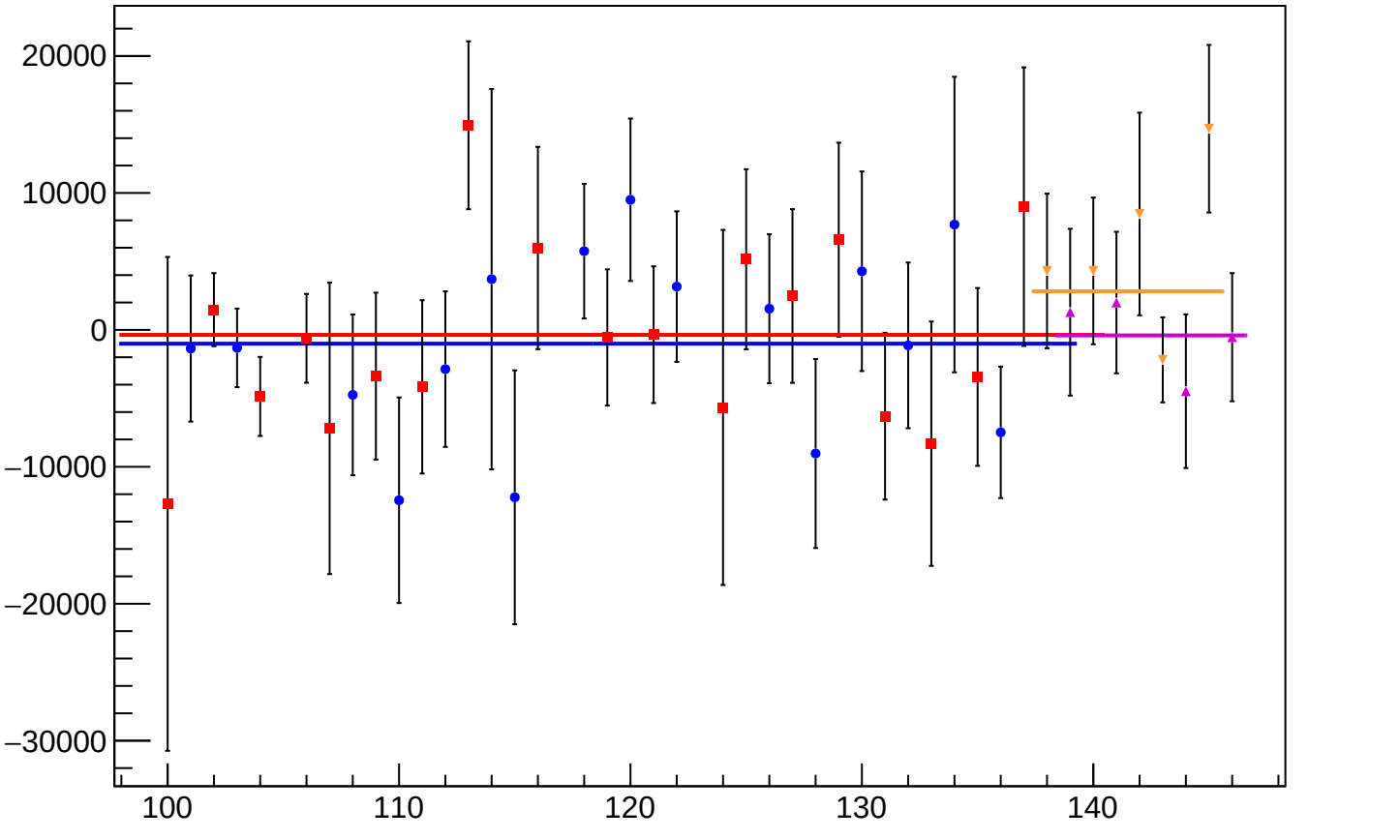
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1394.575+/-0.525 χ^2/NDF:10689.5/3

+ sign 1321.481+/-0.288 χ^2/NDF: 705308.1/20

All: 1339.041+/-0.206 χ^2/NDF: 1003104.8/43

- sign 1357.526+/-0.295 χ^2/NDF: 290146.0/22



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 2819.293+/-2157.696 χ^2/NDF:7.1/4

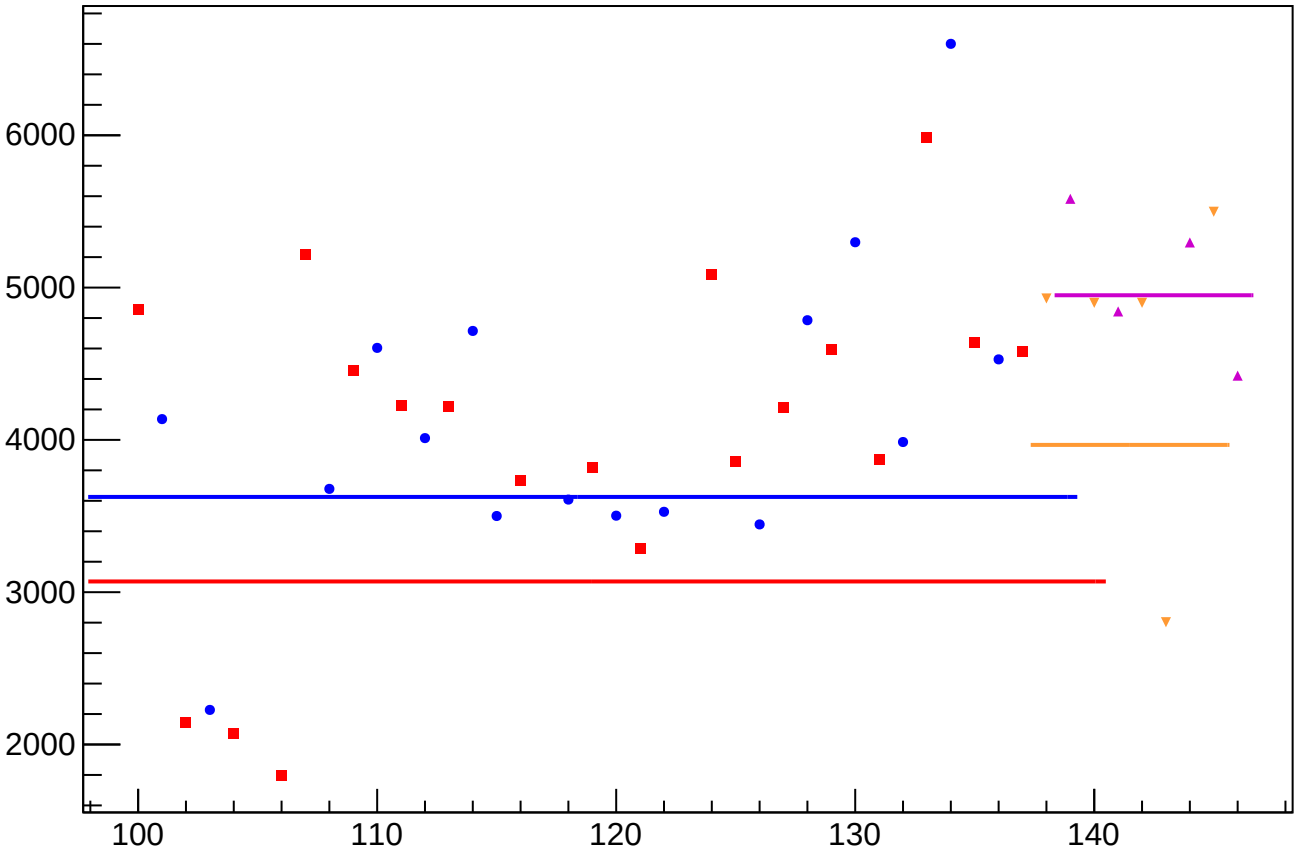
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -401.303+/-2655.304 χ^2/NDF:0.8/3

+ sign 131.859+/-1177.071 χ^2/NDF: 23.9/20

All: -137.489+/-801.887 χ^2/NDF: 41.0/43

- sign -370.758+/-1095.406 χ^2/NDF: 17.0/22



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3967.098+/-1.526 χ^2/NDF:556480.1/4

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

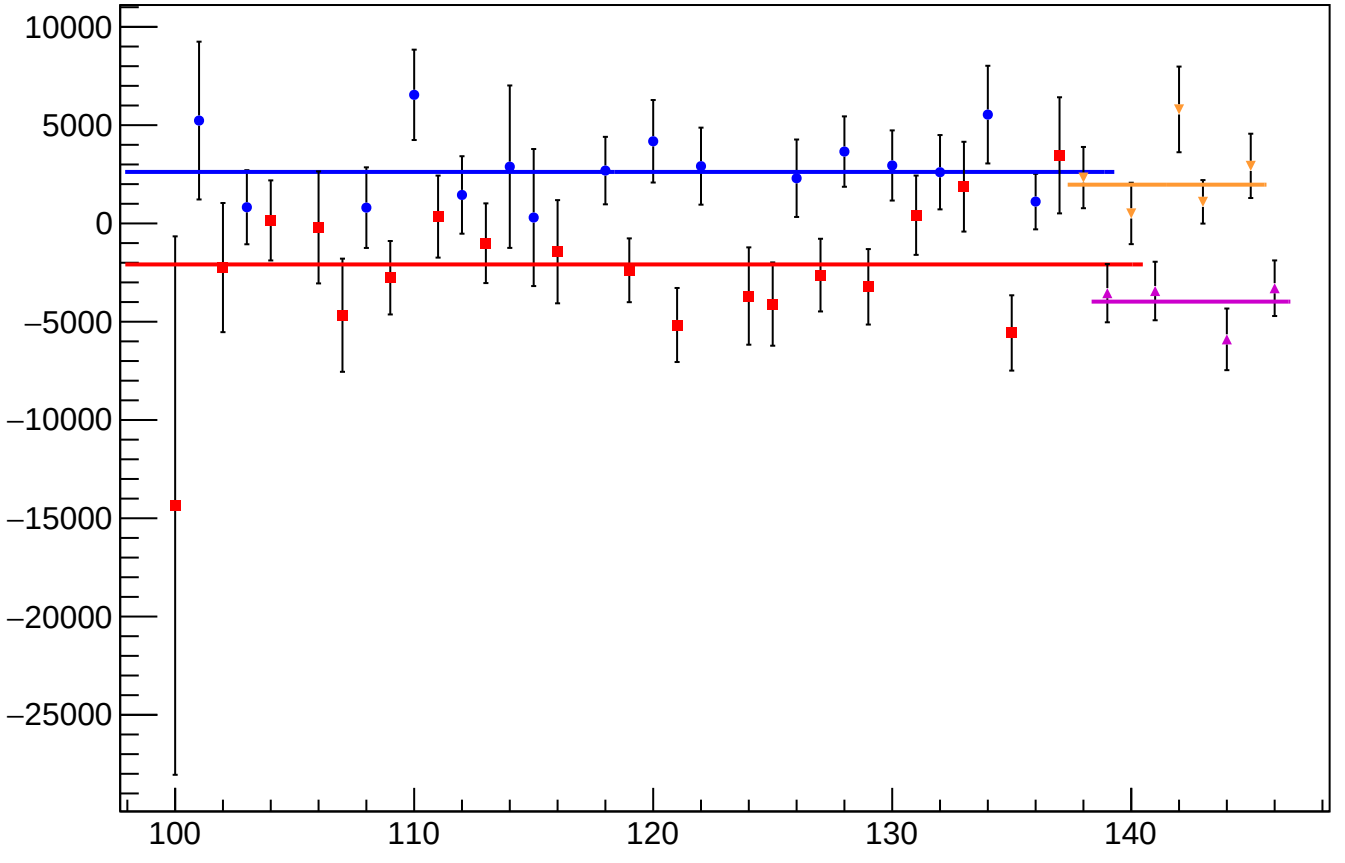
Left In: 4949.646+/-1.878 χ^2/NDF:55562.4/3

+ sign 3727.166+/-0.832 χ^2/NDF: 1536593.4/20

All: 3546.619+/-0.567 χ^2/NDF: 4349869.9/43

- sign 3390.255+/-0.775 χ^2/NDF: 2725468.9/22

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1972.334+/-670.905 χ^2/NDF:5.0/4

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

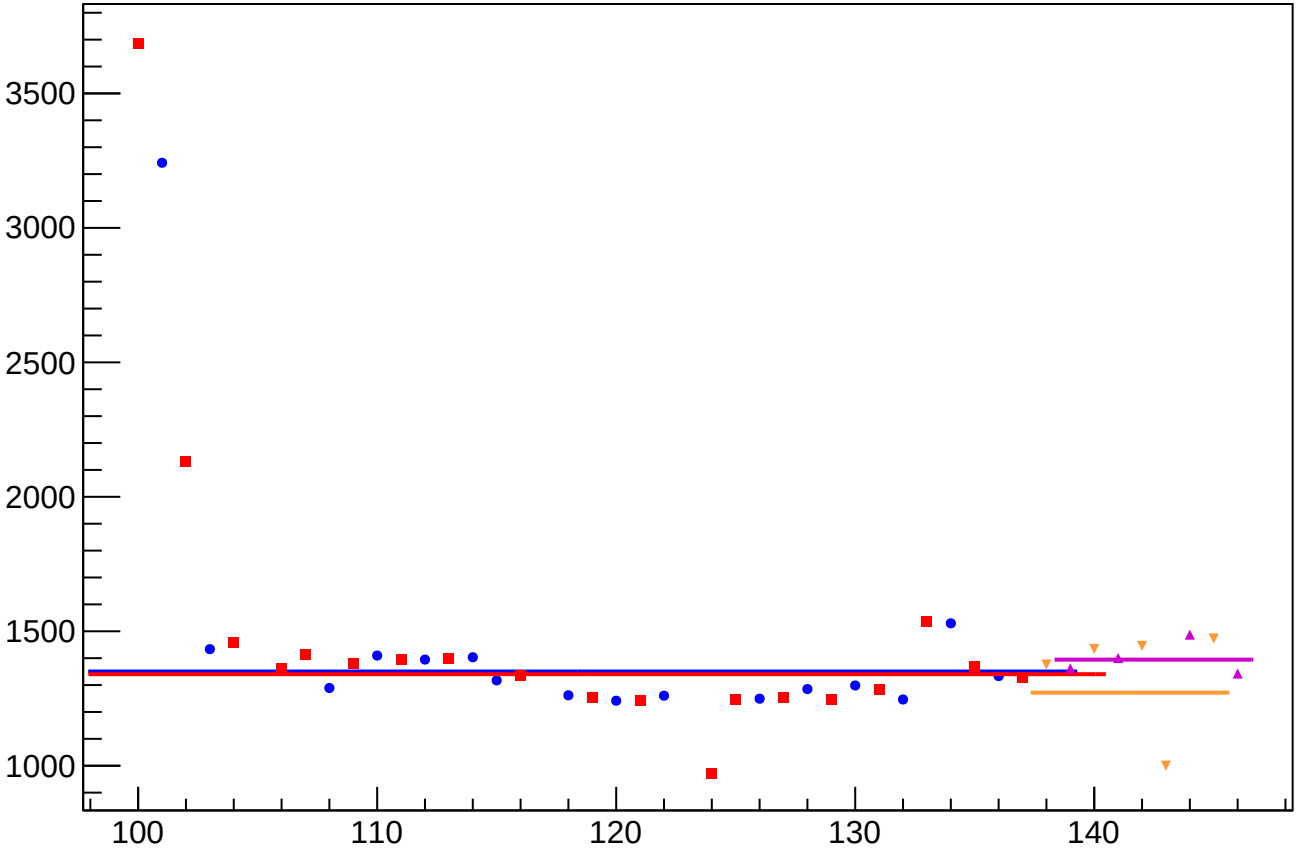
Left In: -3977.915+/-742.720 χ^2/NDF:1.9/3

+ sign 2382.255+/-406.771 χ^2/NDF: 14.9/20

All: -84.533+/-291.363 χ^2/NDF: 117.8/43

- sign -2683.655+/-417.539 χ^2/NDF: 27.3/22

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: 1271.785+/-0.474 χ^2/NDF:193903.9/4

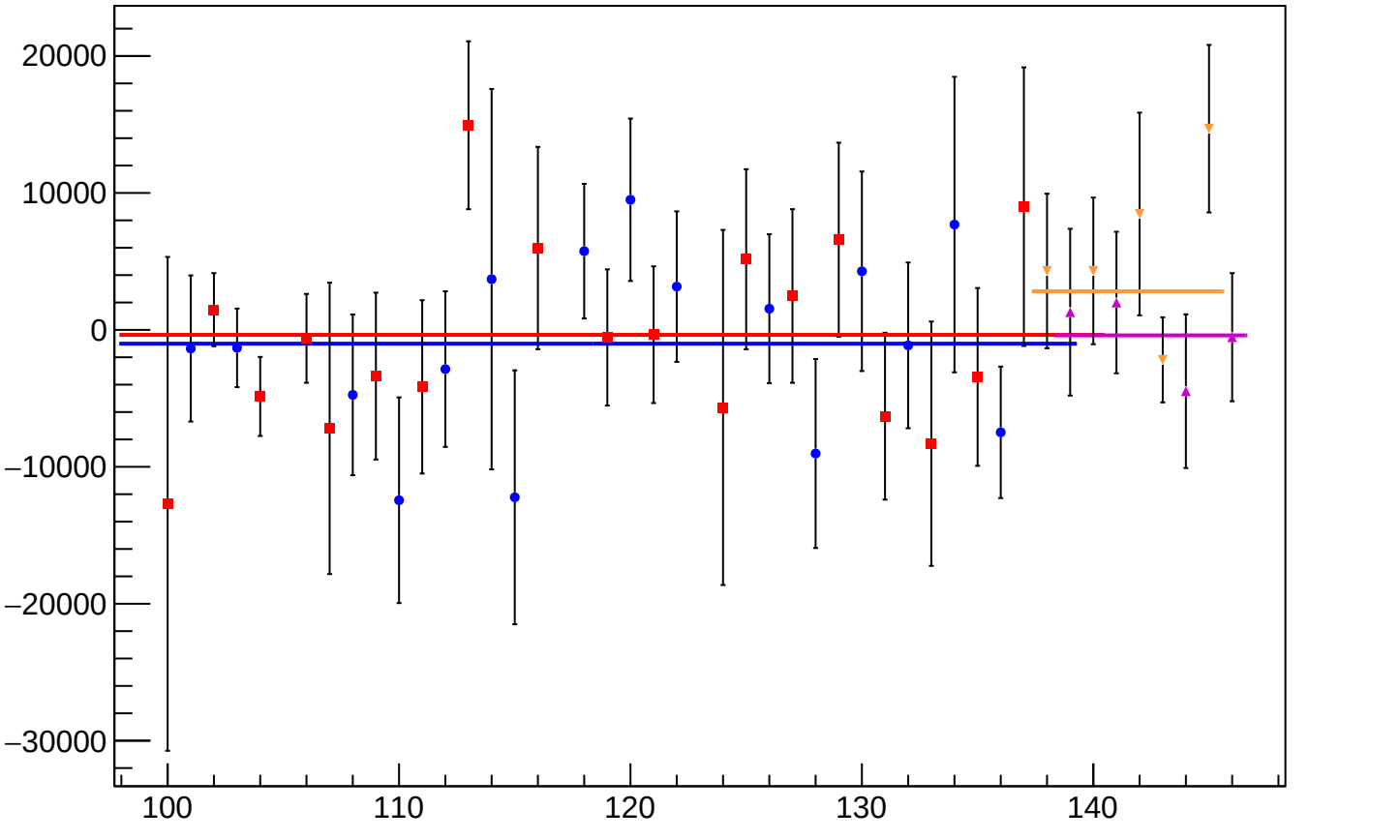
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1394.576+/-0.525 χ^2/NDF:10689.6/3

+ sign 1321.481+/-0.288 χ^2/NDF: 705307.8/20

All: 1339.041+/-0.206 χ^2/NDF: 1003104.0/43

- sign 1357.527+/-0.295 χ^2/NDF: 290145.6/22



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 2819.297+/-2157.700 χ^2/NDF:7.1/4

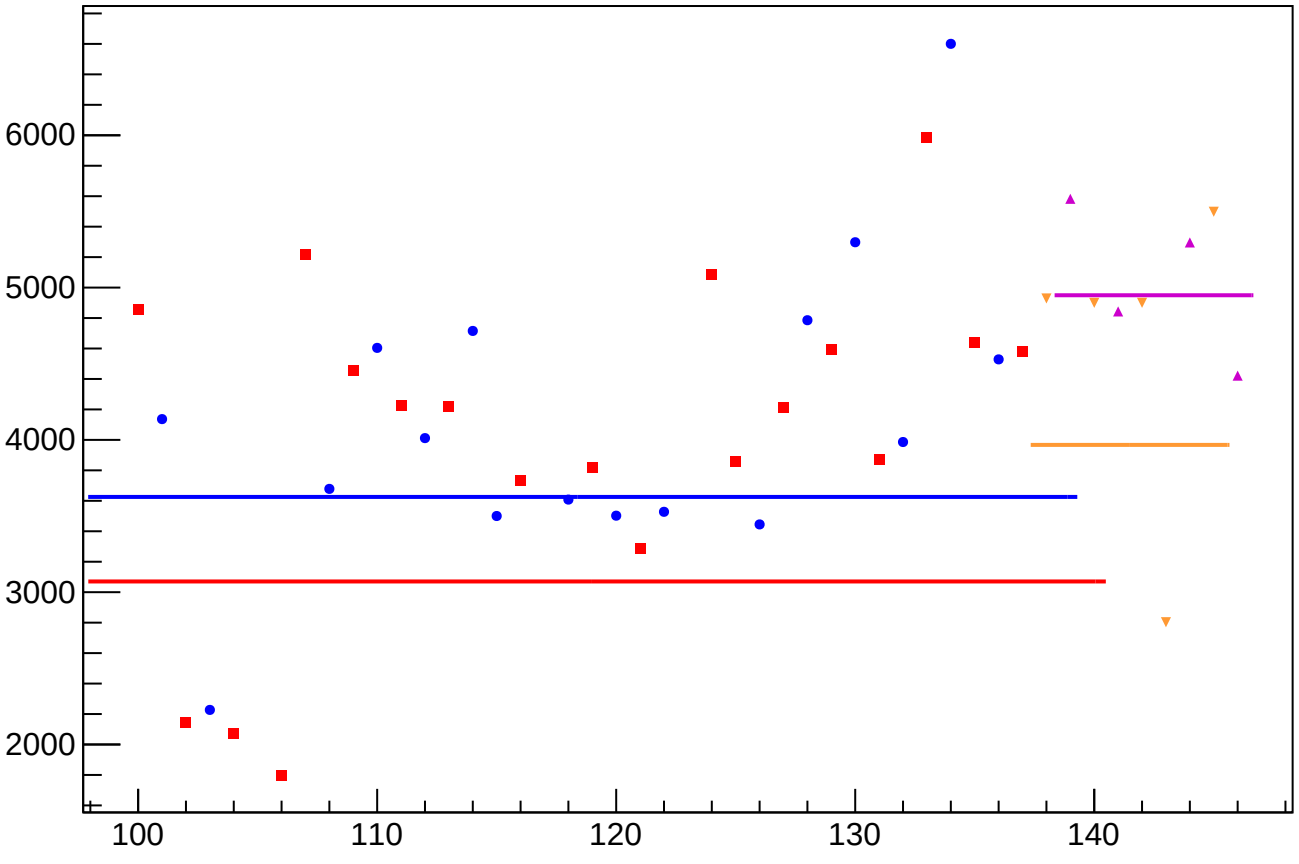
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -401.297+/-2655.308 χ^2/NDF:0.8/3

+ sign 131.860+/-1177.070 χ^2/NDF: 23.9/20

All: -137.488+/-801.886 χ^2/NDF: 41.0/43

- sign -370.758+/-1095.404 χ^2/NDF: 17.0/22



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 3967.106+/-1.526 χ^2/NDF:556480.3/4

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

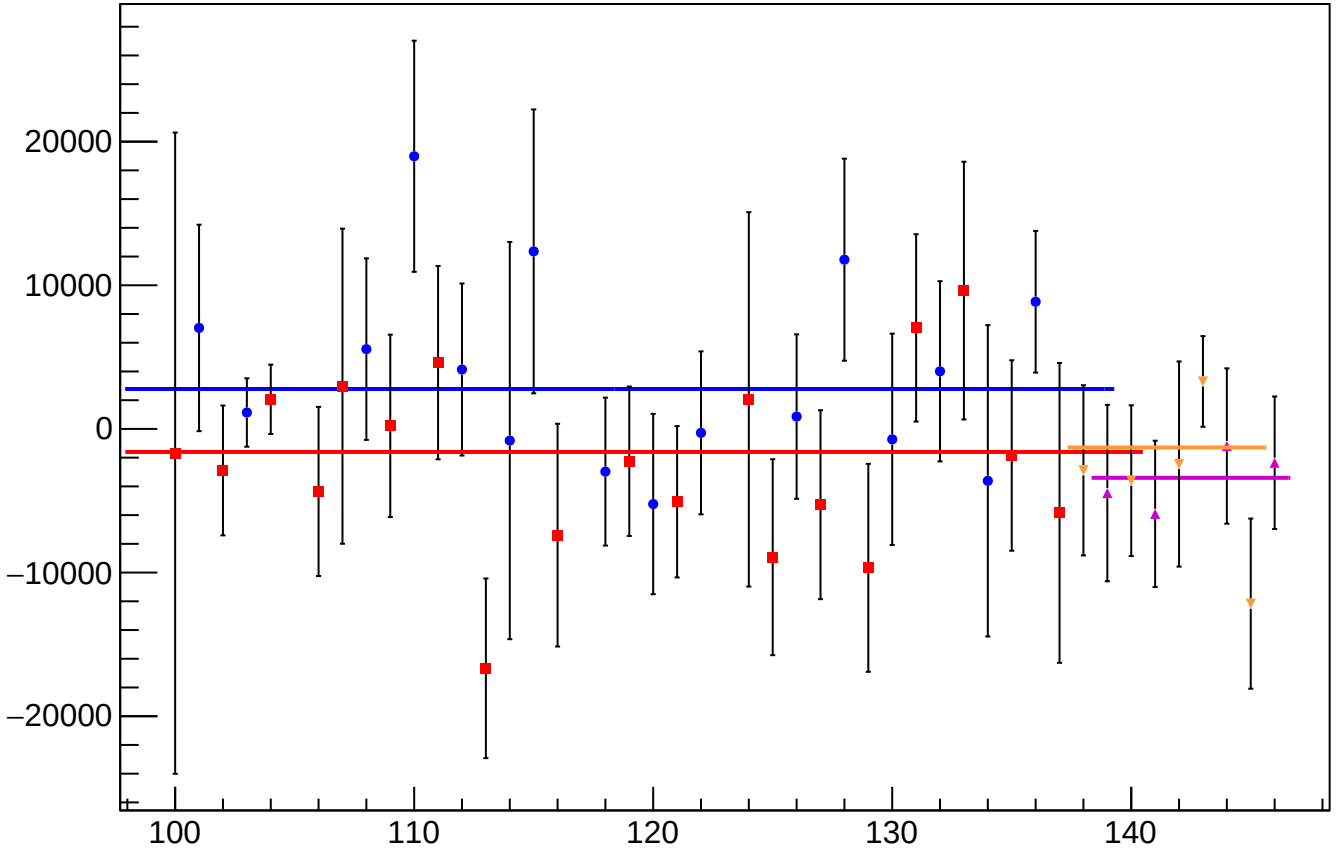
Left In: 4949.653+/-1.878 χ^2/NDF:55562.9/3

+ sign 3727.161+/-0.832 χ^2/NDF: 1536599.0/20

All: 3546.612+/-0.567 χ^2/NDF: 4349893.9/43

- sign 3390.247+/-0.775 χ^2/NDF: 2725485.3/22

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -1290.777+/-2164.745 χ^2/NDF:5.8/4

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

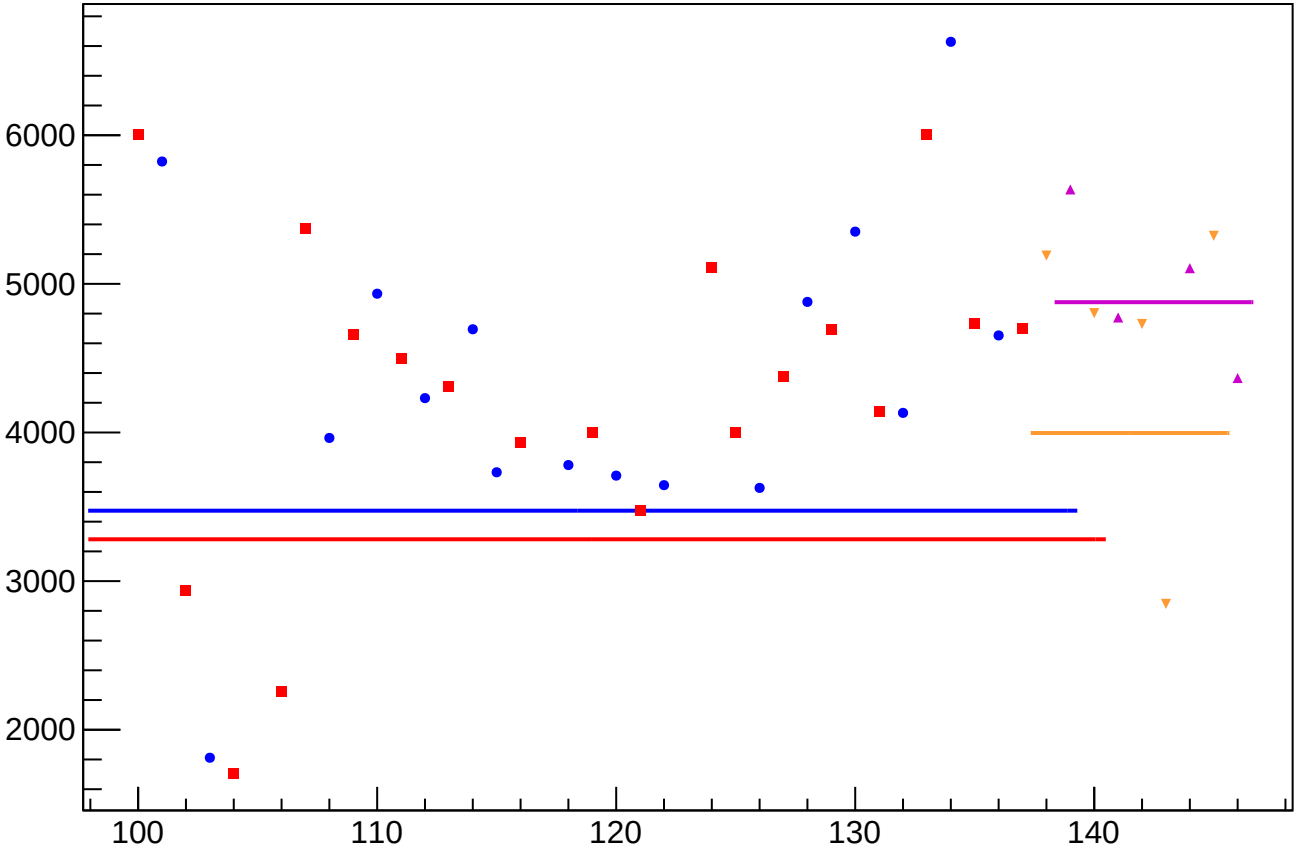
Left In: -3403.336+/-2614.680 χ^2/NDF:0.5/3

+ sign 1592.892+/-1169.302 χ^2/NDF: 21.5/20

All: -159.570+/-834.185 χ^2/NDF: 43.7/43

- sign -1975.877+/-1190.412 χ^2/NDF: 17.7/22

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3996.578+/-1.531 χ^2/NDF:515548.8/4

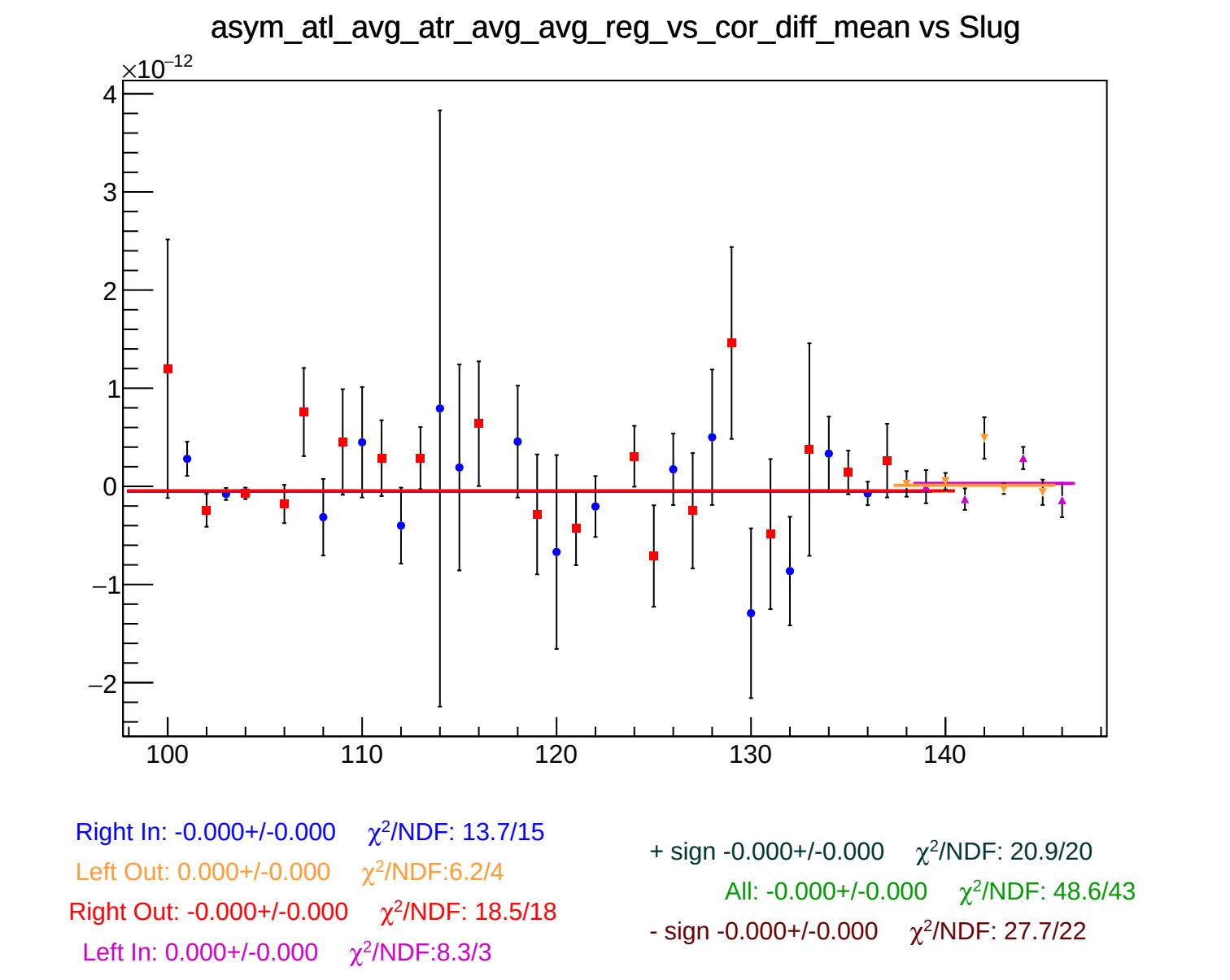
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

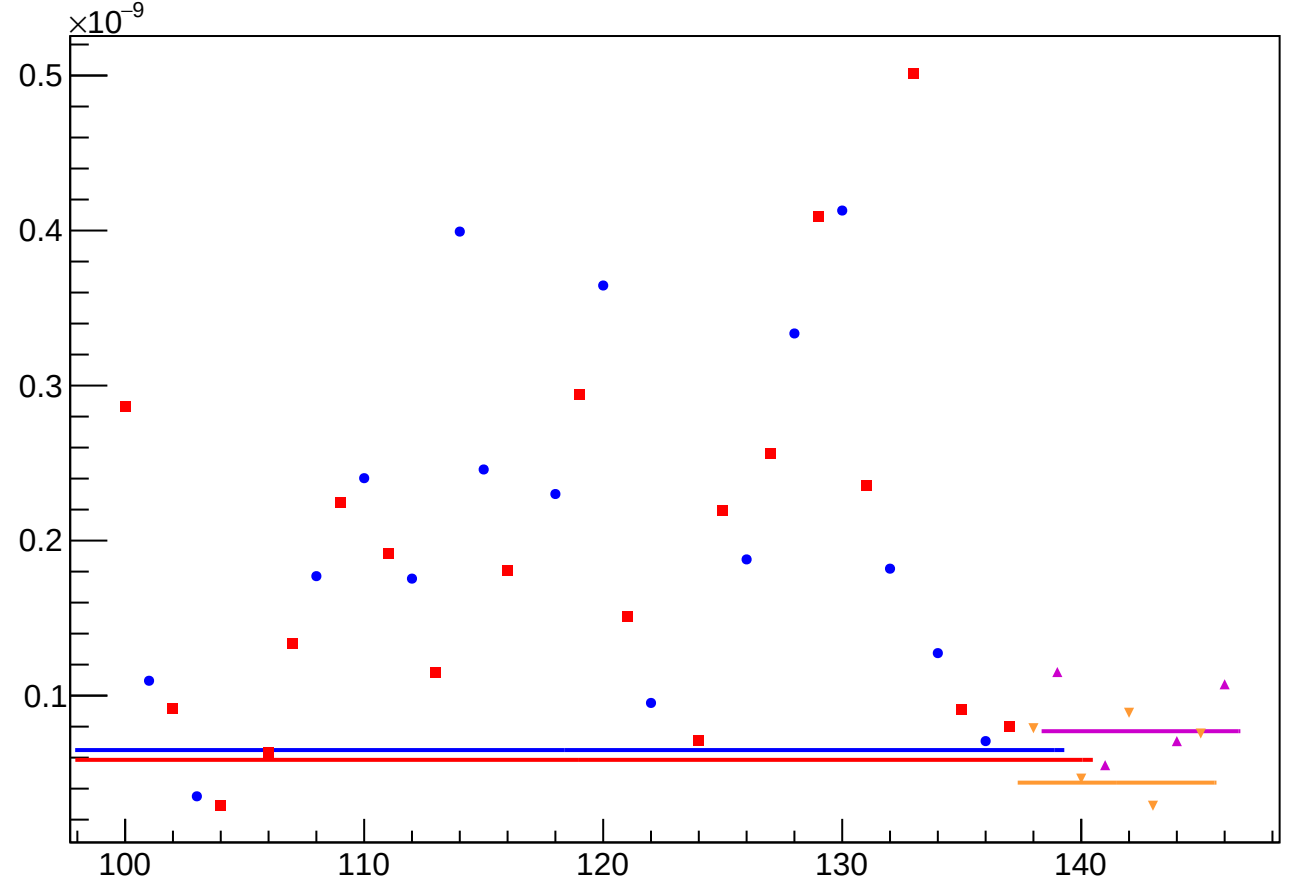
Left In: 4876.717+/-1.849 χ^2/NDF:59384.5/3

+ sign 3626.399+/-0.827 χ^2/NDF: 2442091.1/20

All: 3615.765+/-0.587 χ^2/NDF: 4970794.6/43

- sign 3604.983+/-0.833 χ^2/NDF: 2528370.4/22


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
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:6.2/4
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:8.3/3
+ sign -0.000+/-0.000 χ²/NDF: 20.9/20
All: -0.000+/-0.000 χ²/NDF: 48.6/43
- sign -0.000+/-0.000 χ²/NDF: 27.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:517460.6/4

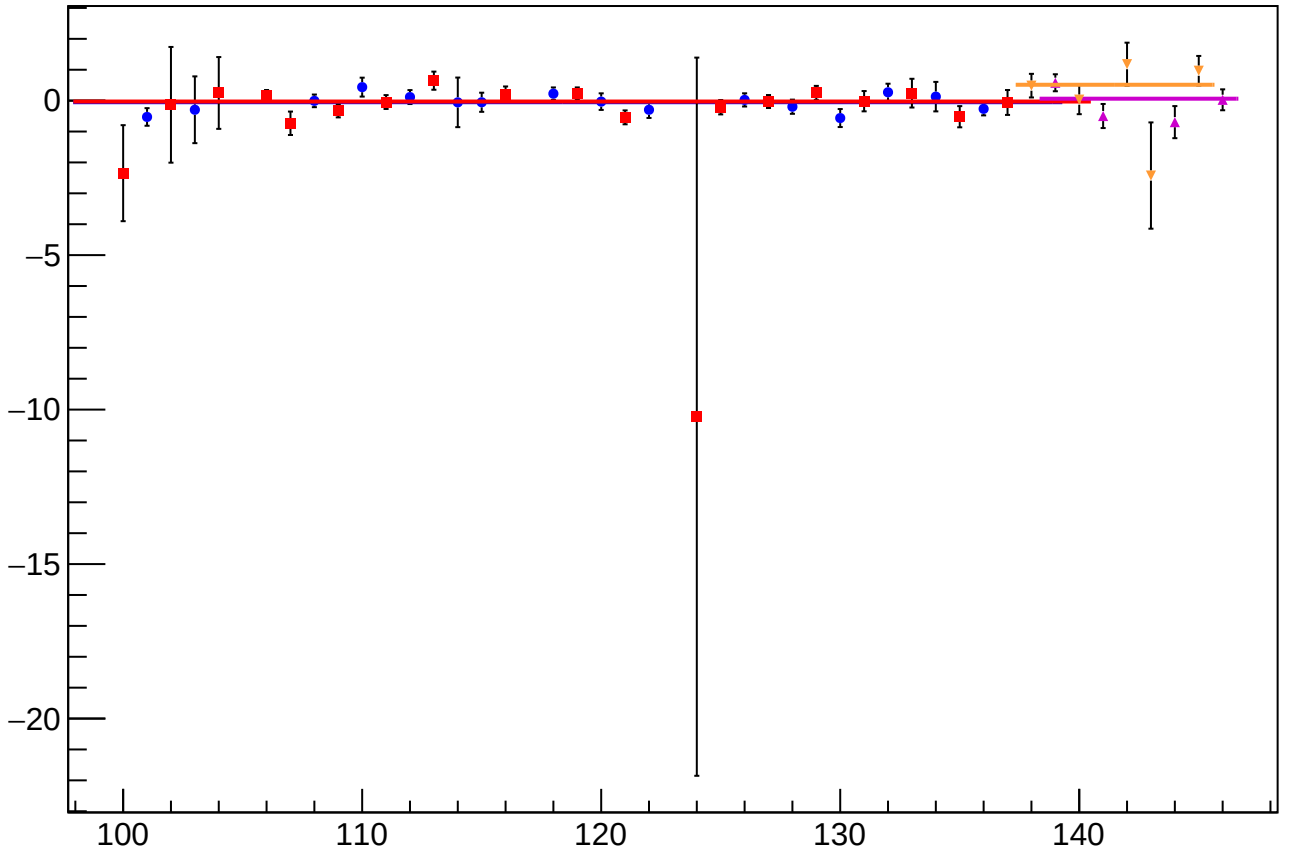
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:248283.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3335478.5/20

All: 0.000+/-0.000 χ^2/NDF: 6672012.3/43

- sign 0.000+/-0.000 χ^2/NDF: 3206249.4/22



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.514+/-0.235 χ^2/NDF:5.8/4

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

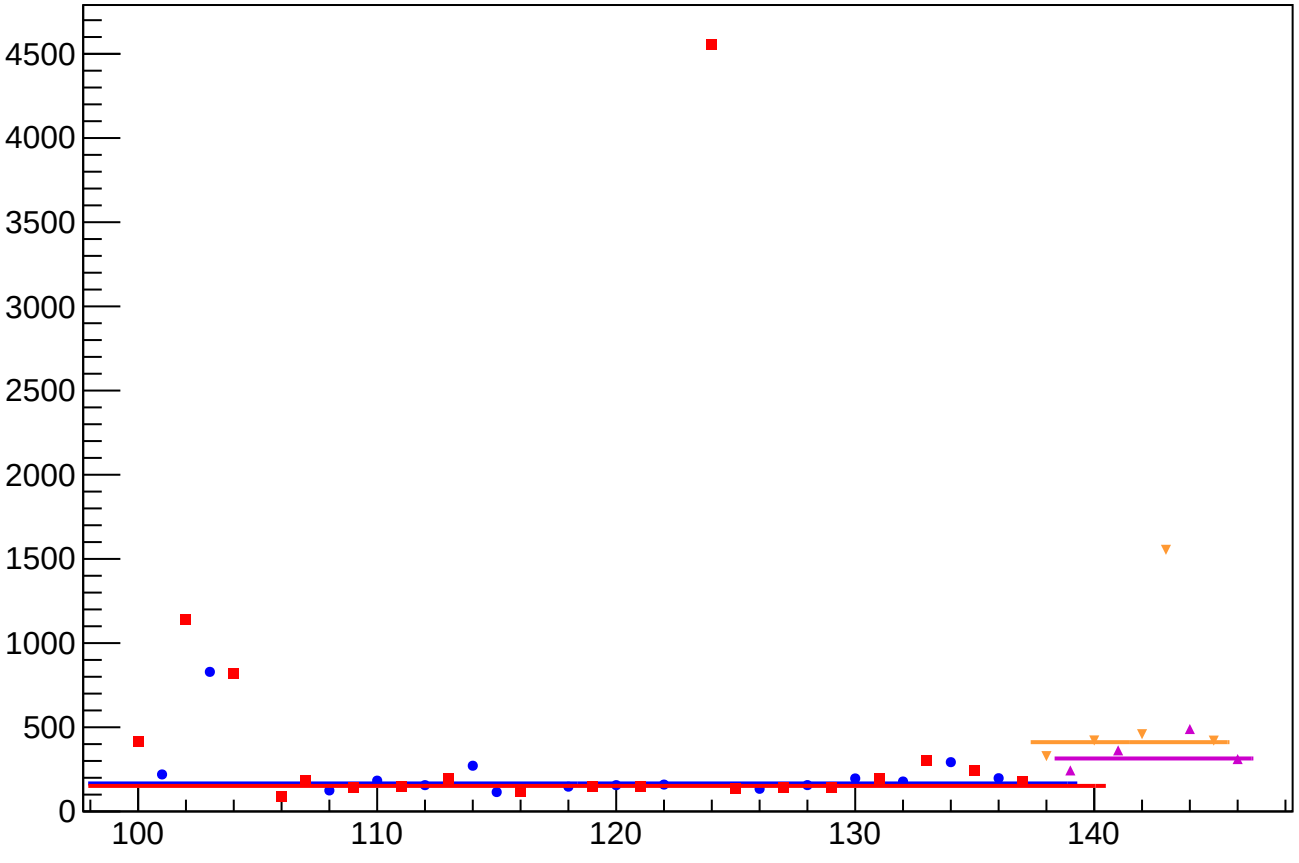
Left In: 0.063+/-0.176 χ^2/NDF:7.7/3

+ sign -0.009+/-0.064 χ^2/NDF: 26.0/20

All: -0.014+/-0.044 χ^2/NDF: 61.5/43

- sign -0.018+/-0.060 χ^2/NDF: 35.5/22

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: 411.584+/-0.166 χ^2/NDF:987573.4/4

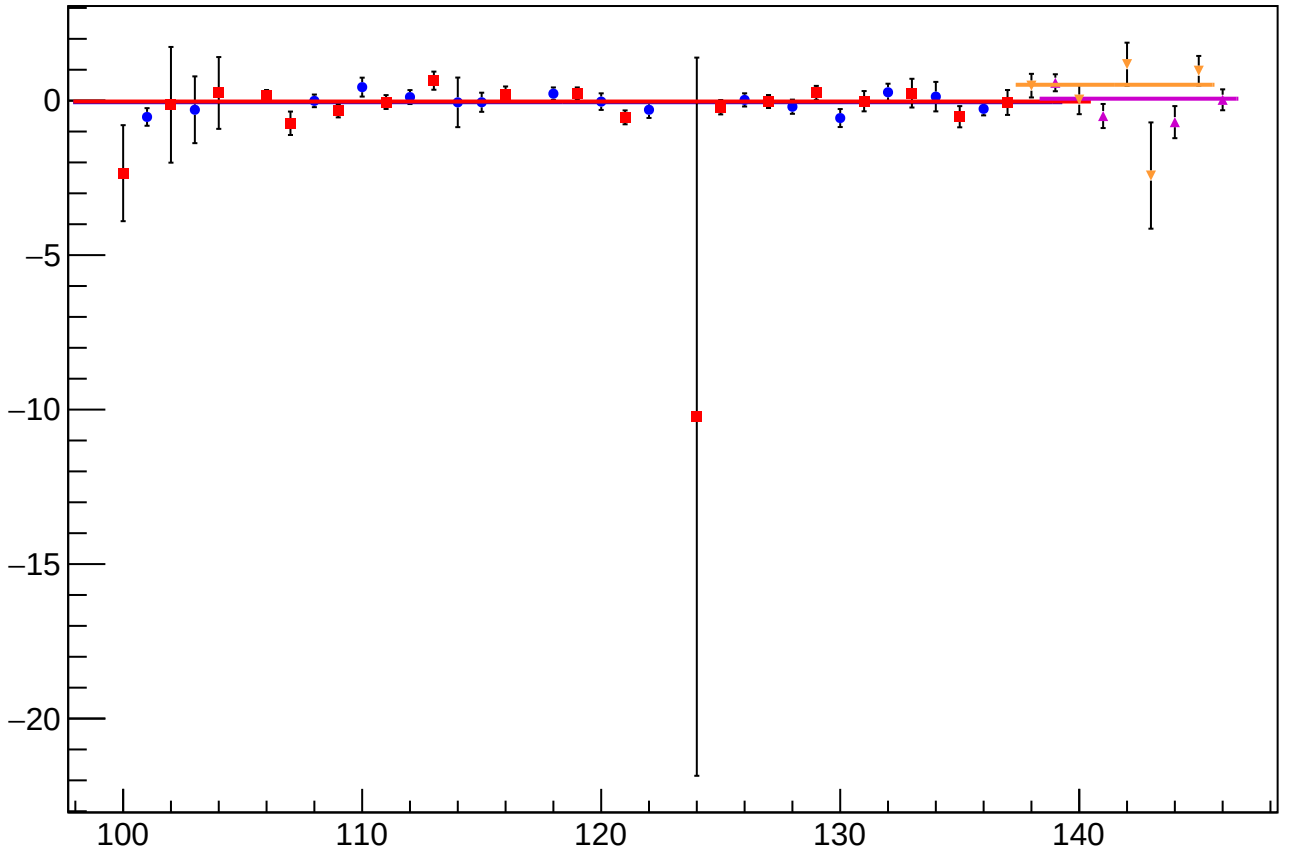
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 314.651+/-0.125 χ^2/NDF:390570.7/3

+ sign 184.672+/-0.045 χ^2/NDF: 4287372.6/20

All: 177.284+/-0.031 χ^2/NDF: 8553302.7/43

- sign 170.792+/-0.043 χ^2/NDF: 4216152.9/22



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.514+/-0.235 χ^2/NDF:5.8/4

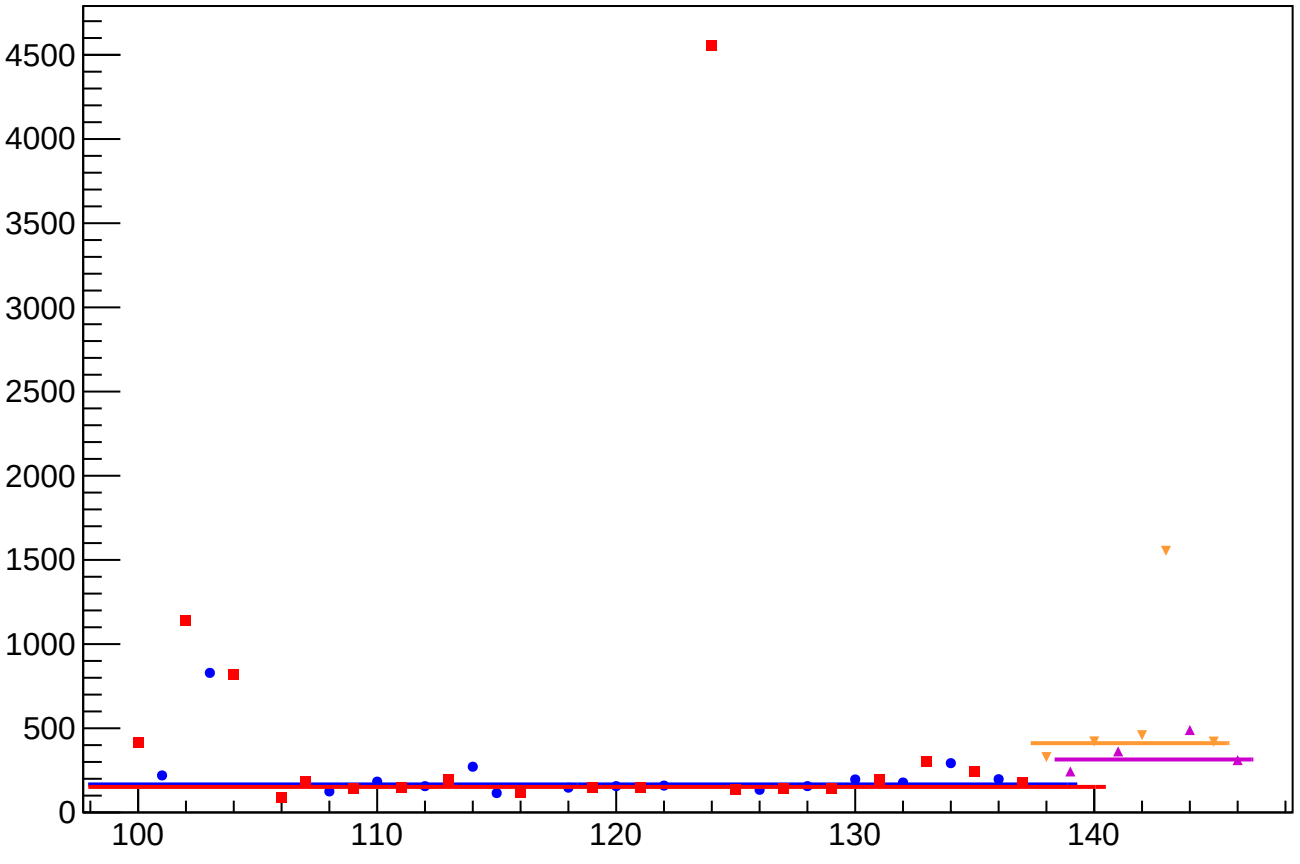
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.063+/-0.176 χ^2/NDF:7.7/3

+ sign -0.009+/-0.064 χ^2/NDF: 26.0/20

All: -0.014+/-0.044 χ^2/NDF: 61.5/43

- sign -0.018+/-0.060 χ^2/NDF: 35.5/22



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 411.584+/-0.166 χ^2/NDF:987573.4/4

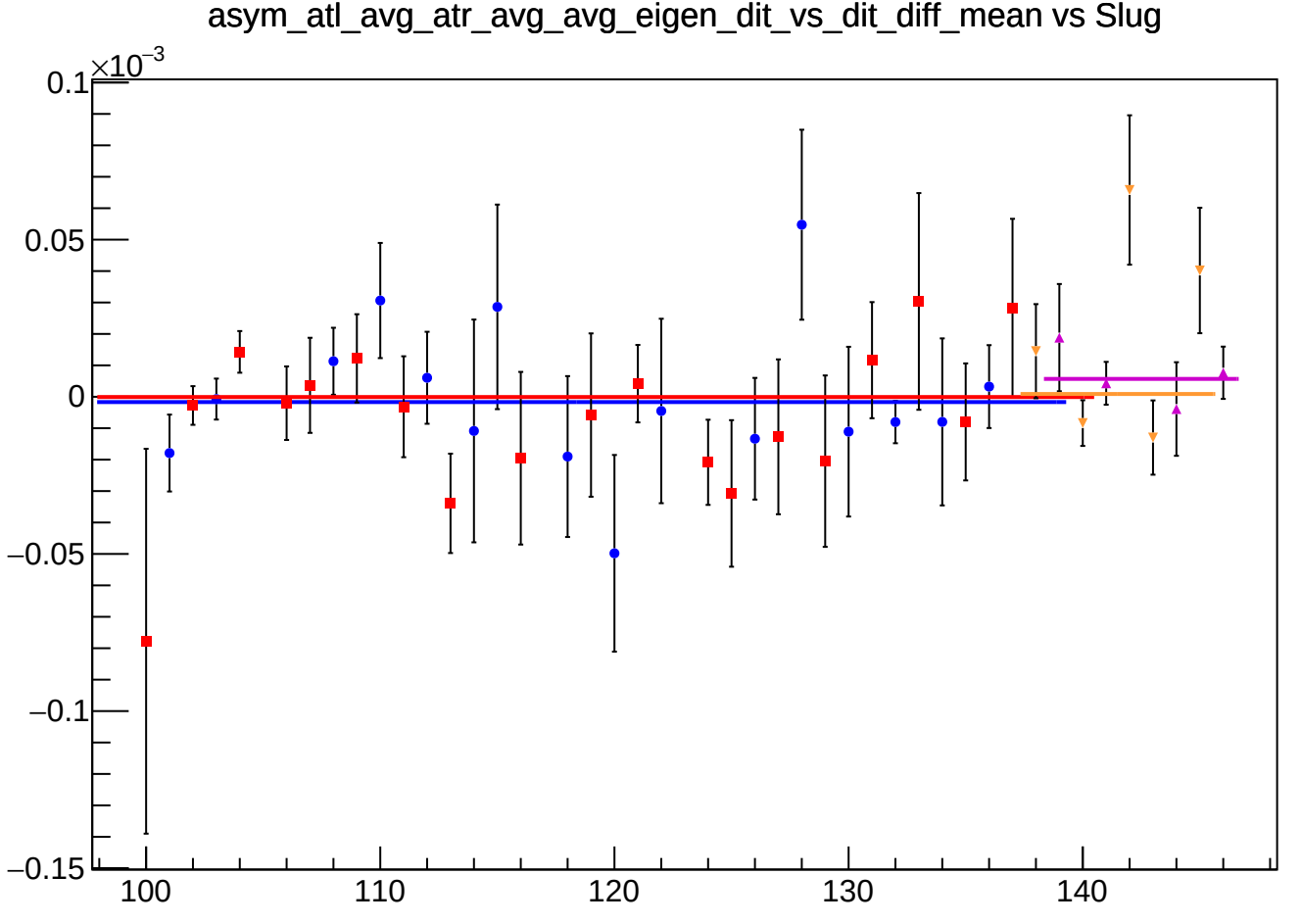
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 314.651+/-0.125 χ^2/NDF:390570.7/3

+ sign 184.672+/-0.045 χ^2/NDF: 4287372.6/20

All: 177.284+/-0.031 χ^2/NDF: 8553302.7/43

- sign 170.792+/-0.043 χ^2/NDF: 4216152.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/4

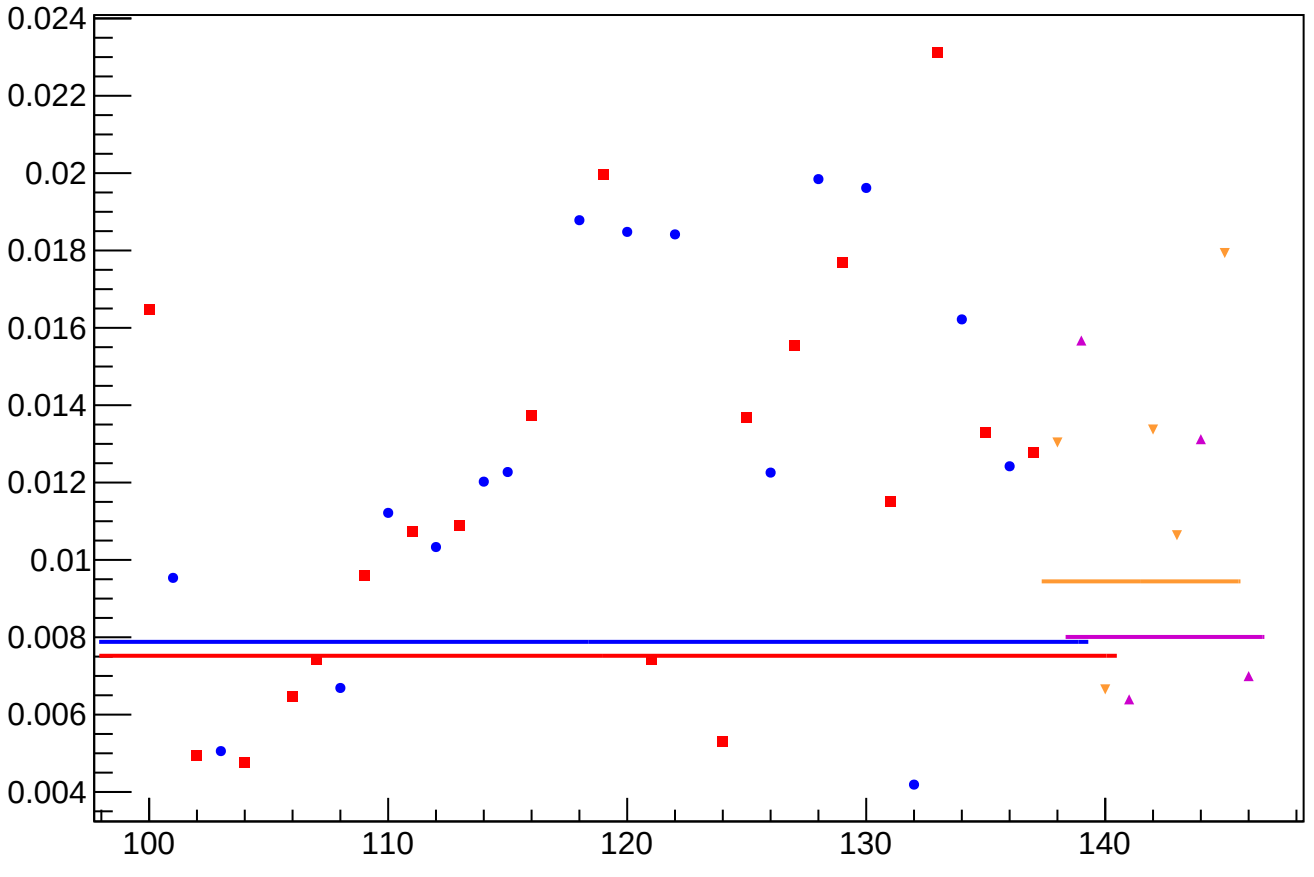
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/20

All: 0.000+/-0.000 χ^2/NDF: 53.3/43

- sign 0.000+/-0.000 χ^2/NDF: 22.0/22



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:847039.2/4

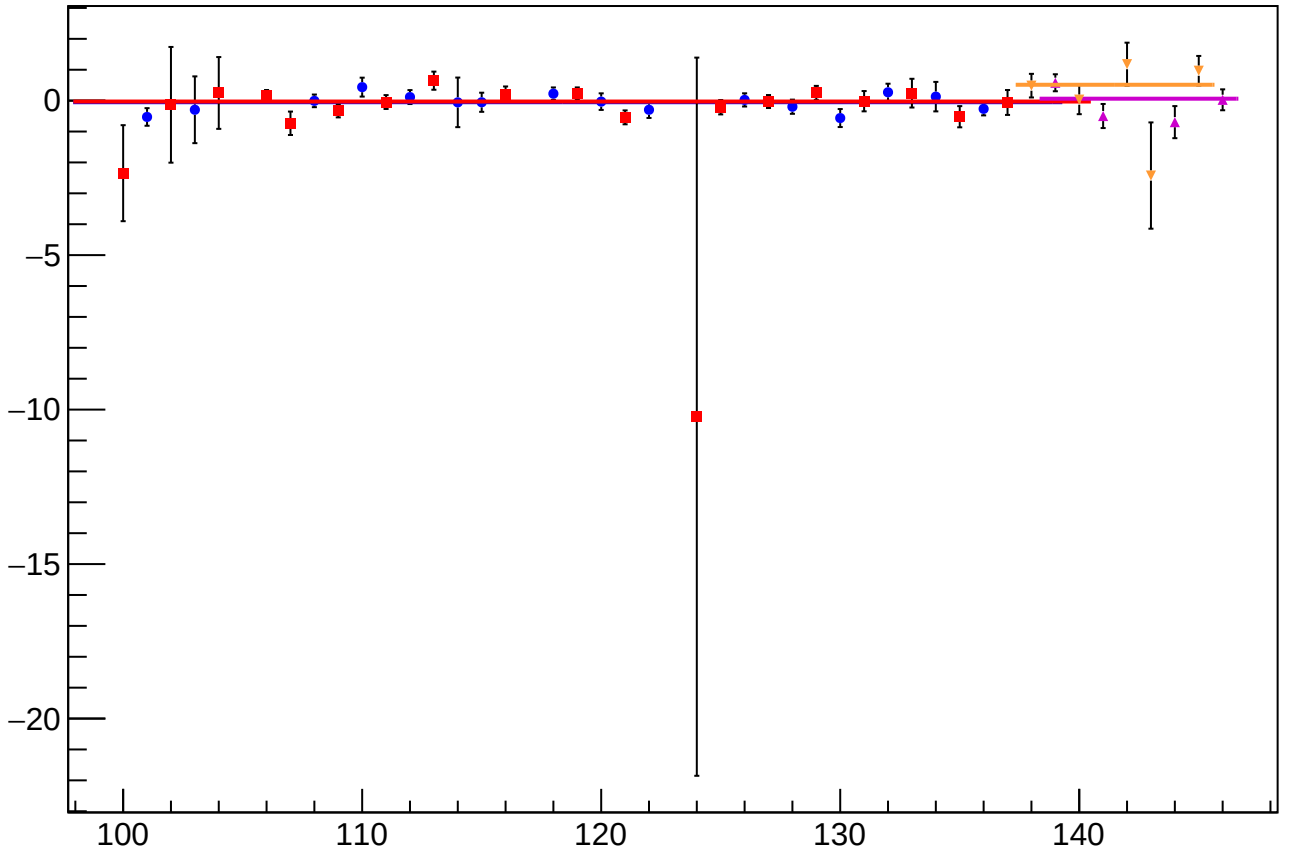
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.008+/-0.000 χ^2/NDF:781412.2/3

+ sign 0.008+/-0.000 χ^2/NDF: 4270210.4/20

All: 0.008+/-0.000 χ^2/NDF: 8099507.6/43

- sign 0.008+/-0.000 χ^2/NDF: 3771299.8/22



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.514+/-0.235 χ^2/NDF:5.8/4

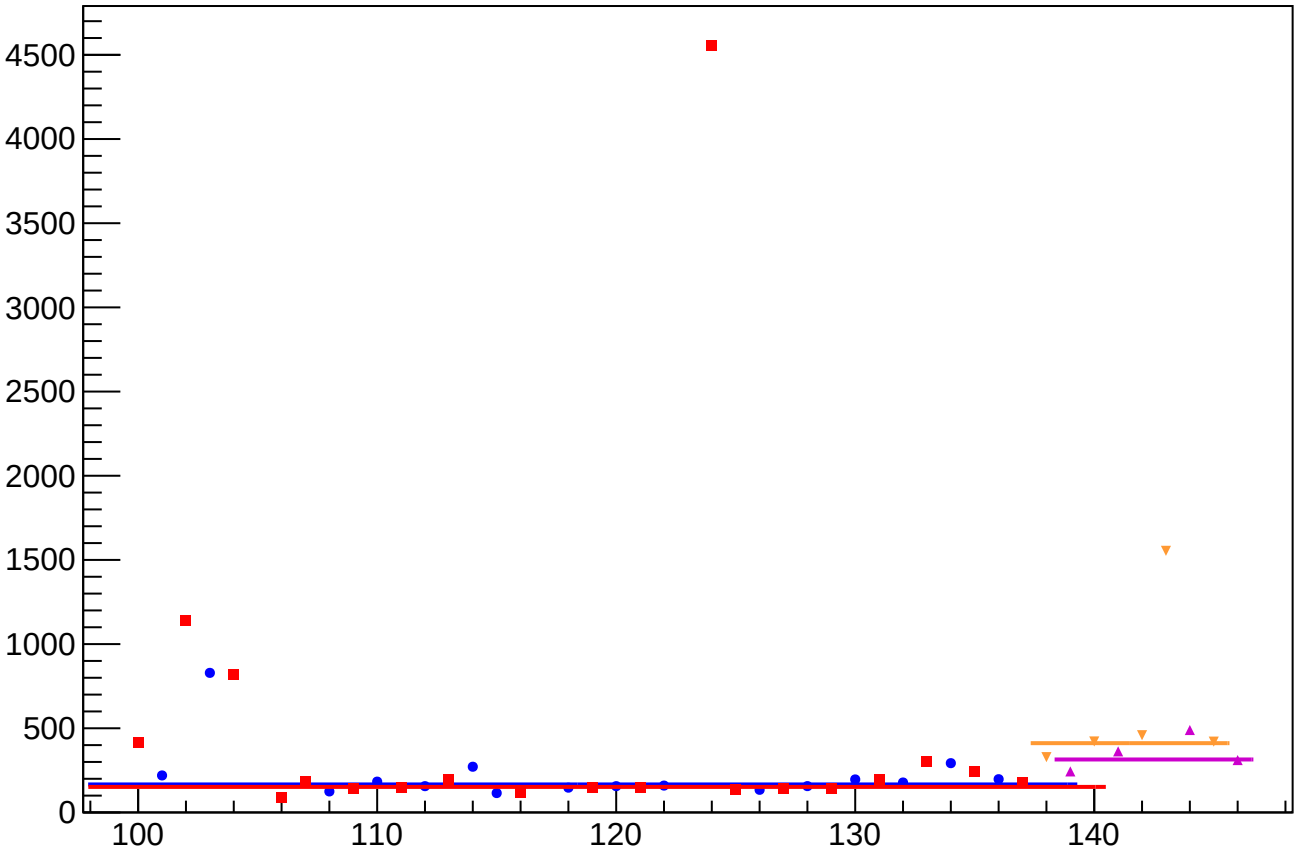
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.063+/-0.176 χ^2/NDF:7.7/3

+ sign -0.009+/-0.064 χ^2/NDF: 26.0/20

All: -0.014+/-0.044 χ^2/NDF: 61.5/43

- sign -0.018+/-0.060 χ^2/NDF: 35.5/22



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 411.589+/-0.166 χ^2/NDF:987568.8/4

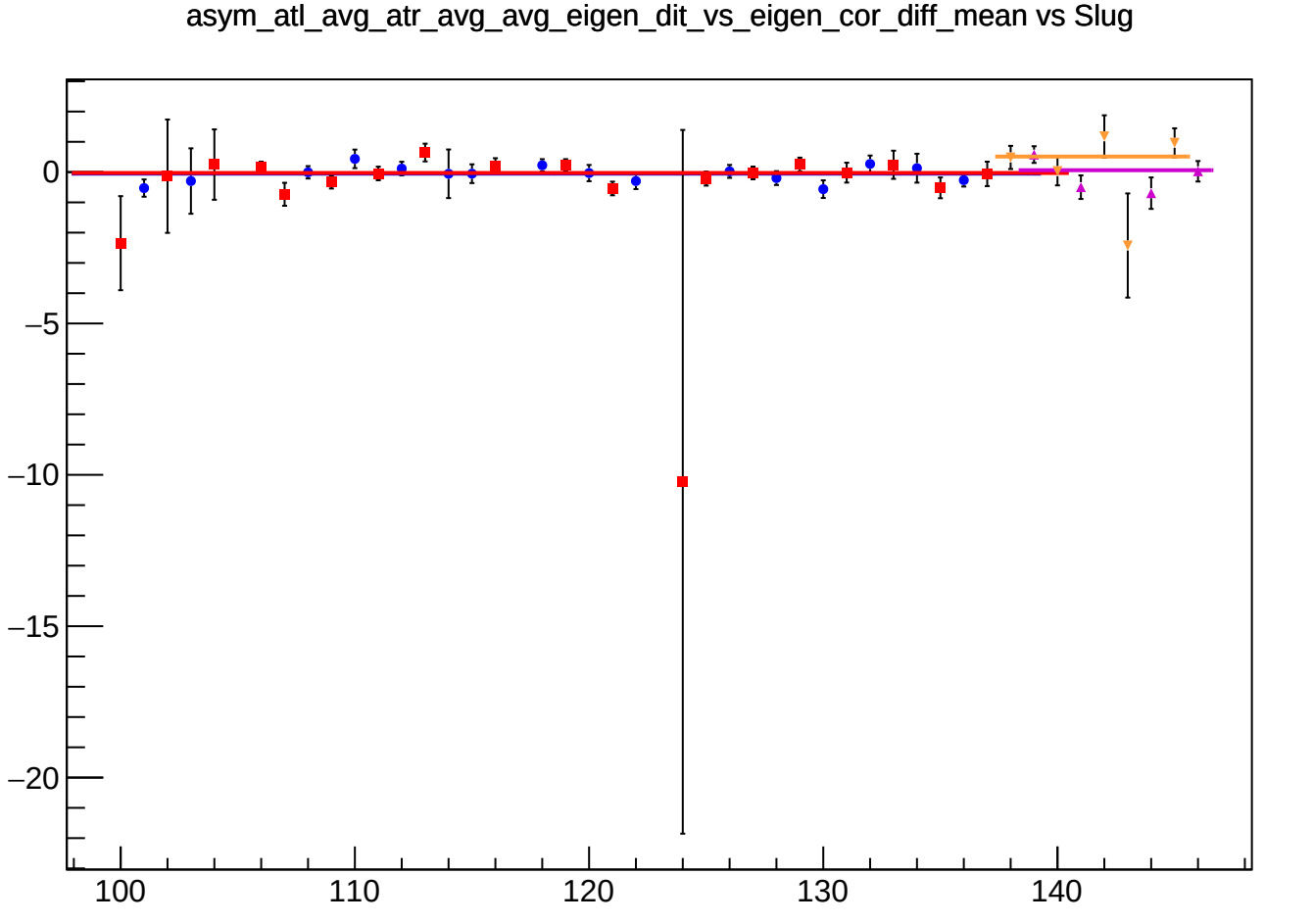
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 314.657+/-0.125 χ^2/NDF:390555.8/3

+ sign 184.671+/-0.045 χ^2/NDF: 4287413.4/20

All: 177.283+/-0.031 χ^2/NDF: 8553417.7/43

- sign 170.791+/-0.043 χ^2/NDF: 4216223.1/22



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.514+/-0.235 χ^2/NDF:5.8/4

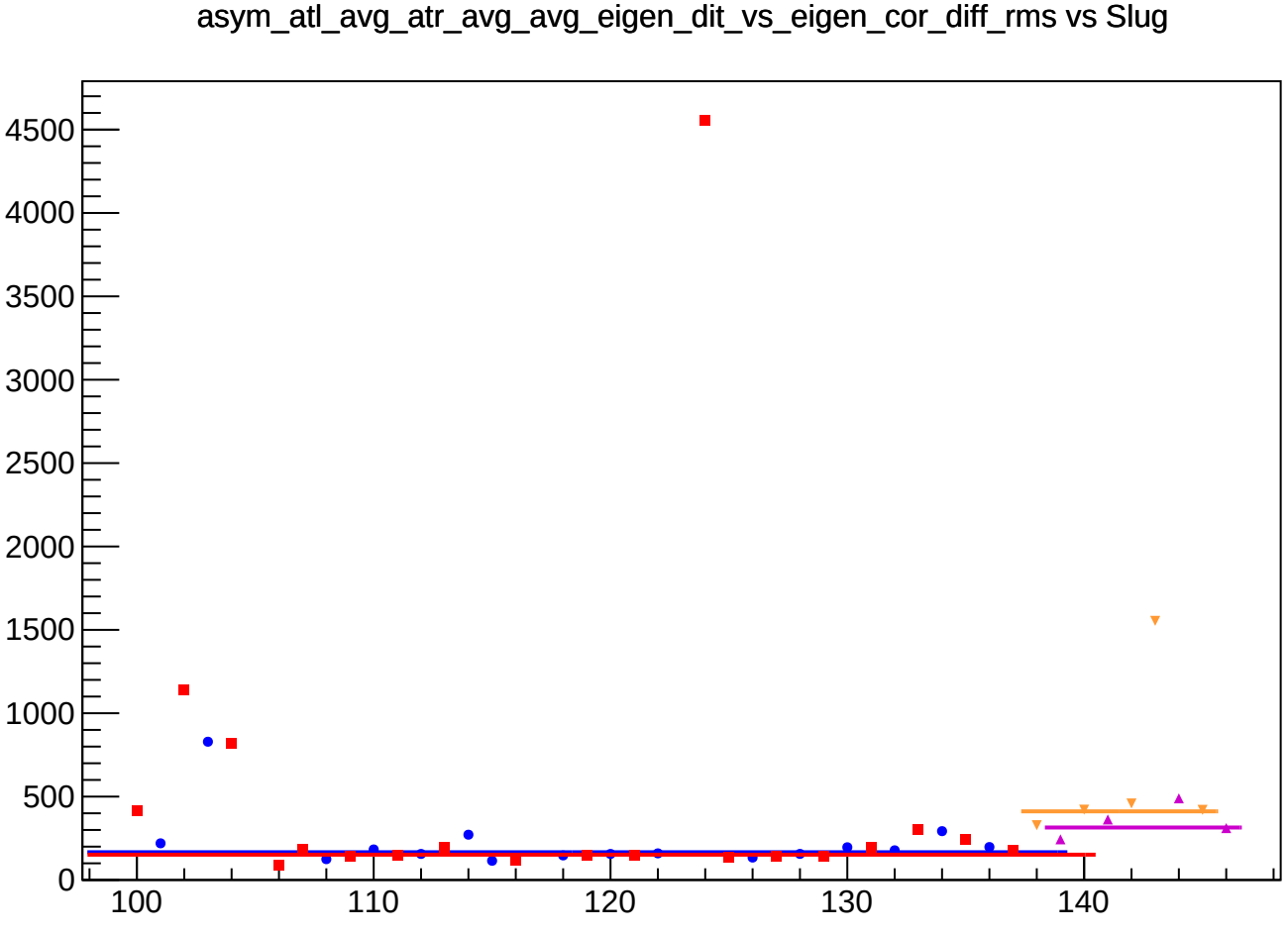
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.063+/-0.176 χ^2/NDF:7.7/3

+ sign -0.009+/-0.064 χ^2/NDF: 26.0/20

All: -0.014+/-0.044 χ^2/NDF: 61.5/43

- sign -0.018+/-0.060 χ^2/NDF: 35.5/22



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 411.589+/-0.166 χ^2/NDF:987568.8/4

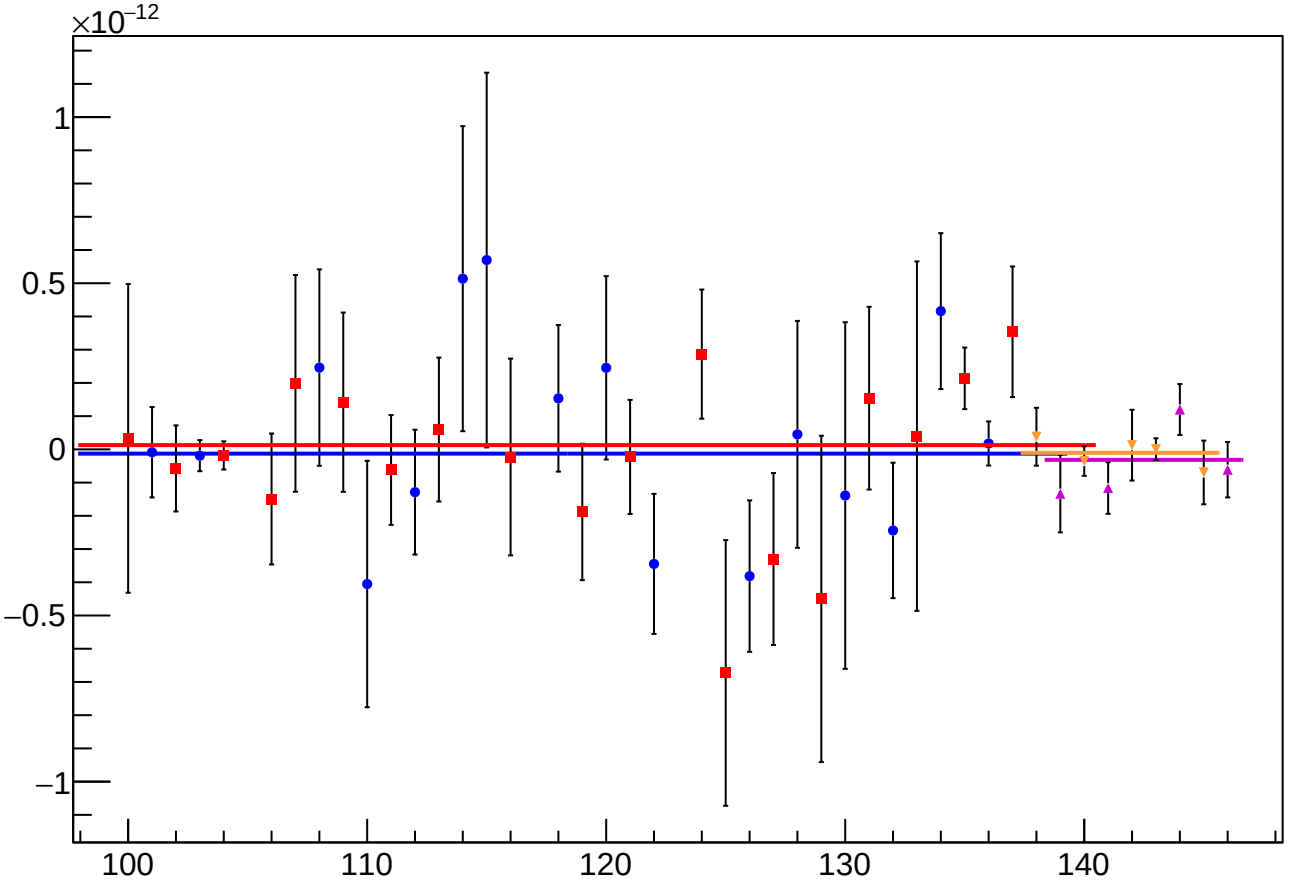
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 314.657+/-0.125 χ^2/NDF:390555.8/3

+ sign 184.671+/-0.045 χ^2/NDF: 4287413.4/20

All: 177.283+/-0.031 χ^2/NDF: 8553417.7/43

- sign 170.791+/-0.043 χ^2/NDF: 4216223.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/4

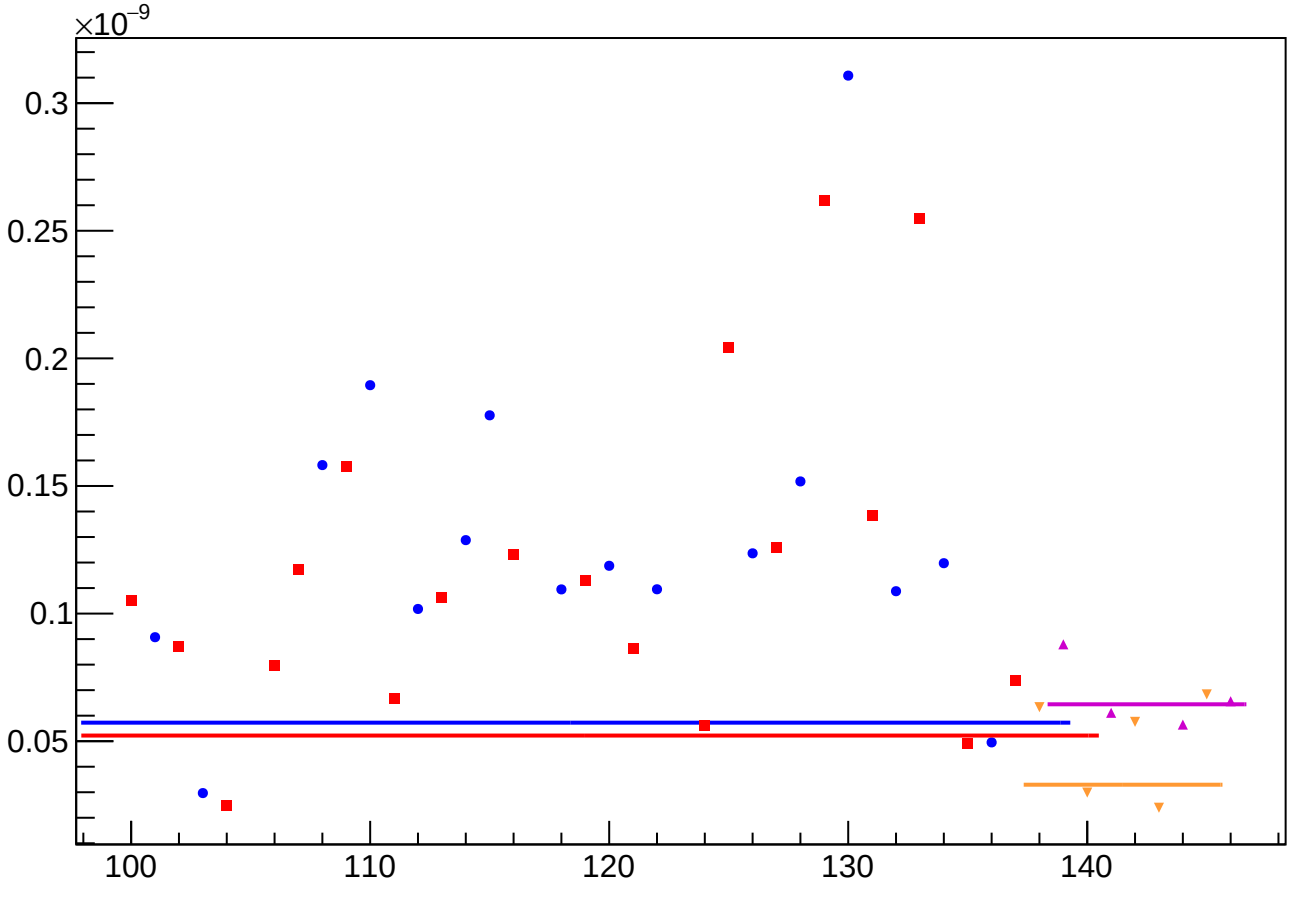
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 17.3/20

All: -0.000+/-0.000 χ^2/NDF: 43.0/43

- sign -0.000+/-0.000 χ^2/NDF: 25.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:785367.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

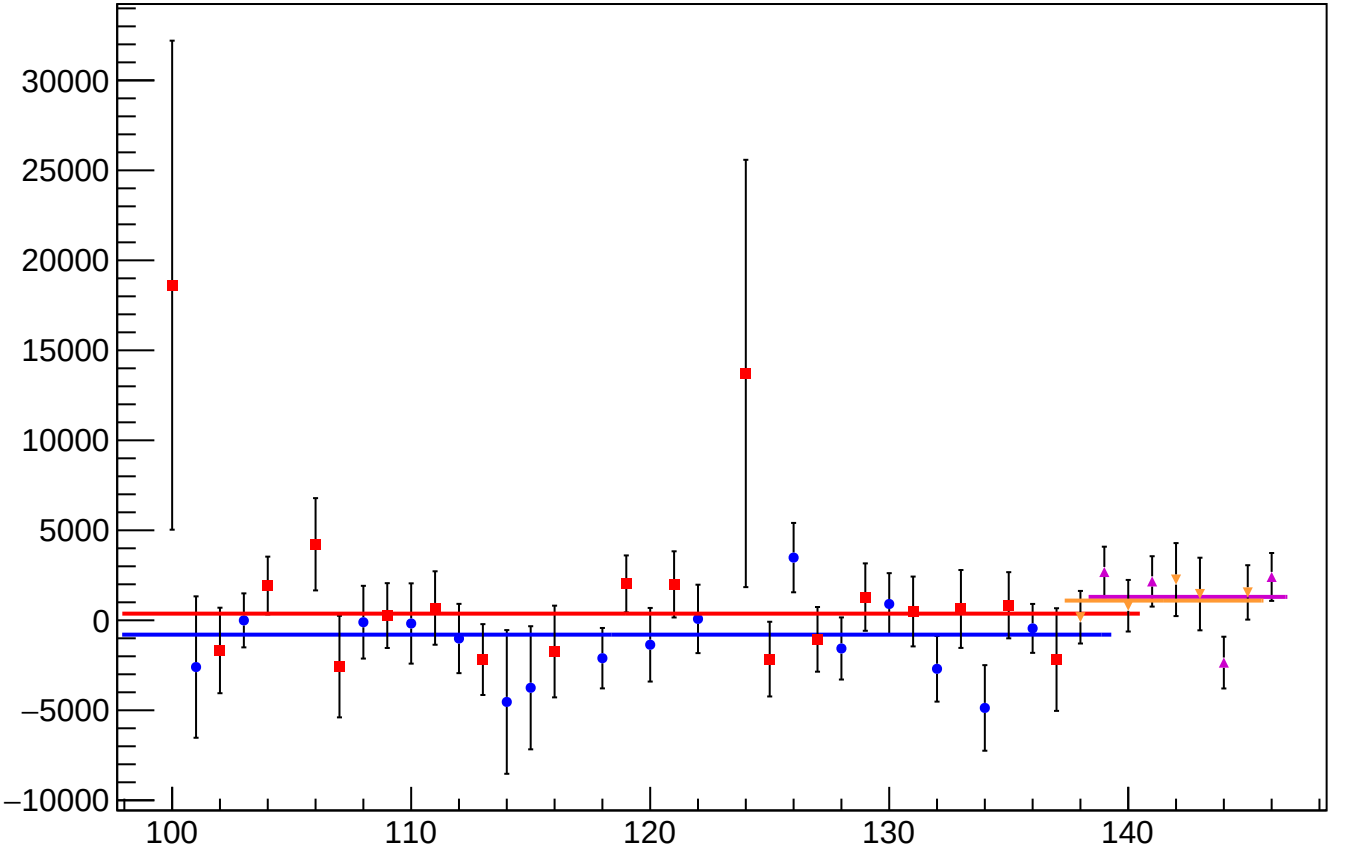
Left In: 0.000+/-0.000 χ^2/NDF:107157.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 4485573.5/20

All: 0.000+/-0.000 χ^2/NDF: 8449515.9/43

- sign 0.000+/-0.000 χ^2/NDF: 3502198.2/22

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 1095.395+/-728.918 χ^2/NDF:0.9/4

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

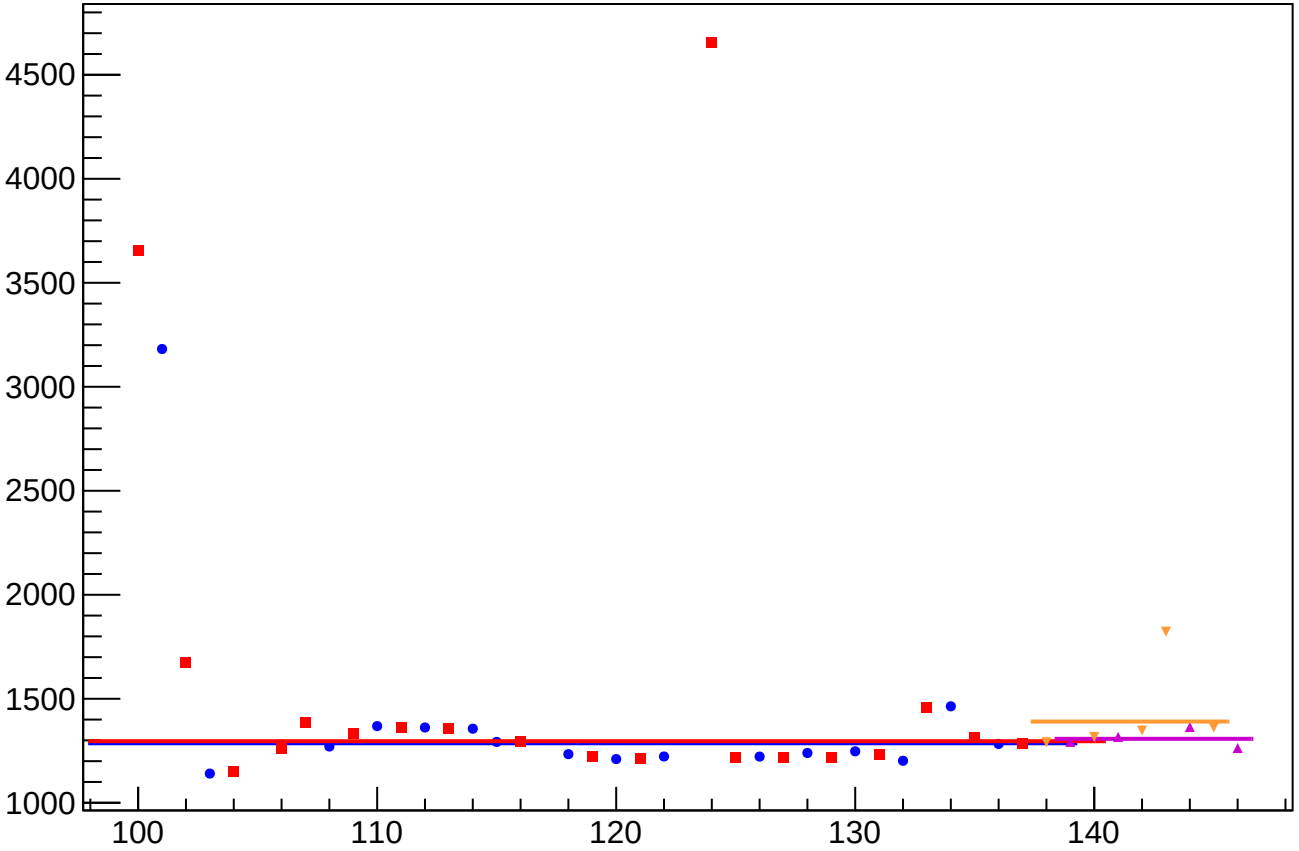
Left In: 1300.787+/-695.777 χ^2/NDF:8.5/3

+ sign -212.420+/-405.198 χ^2/NDF: 19.0/20

All: 238.913+/-284.059 χ^2/NDF: 46.7/43

- sign 675.077+/-398.331 χ^2/NDF: 25.3/22

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

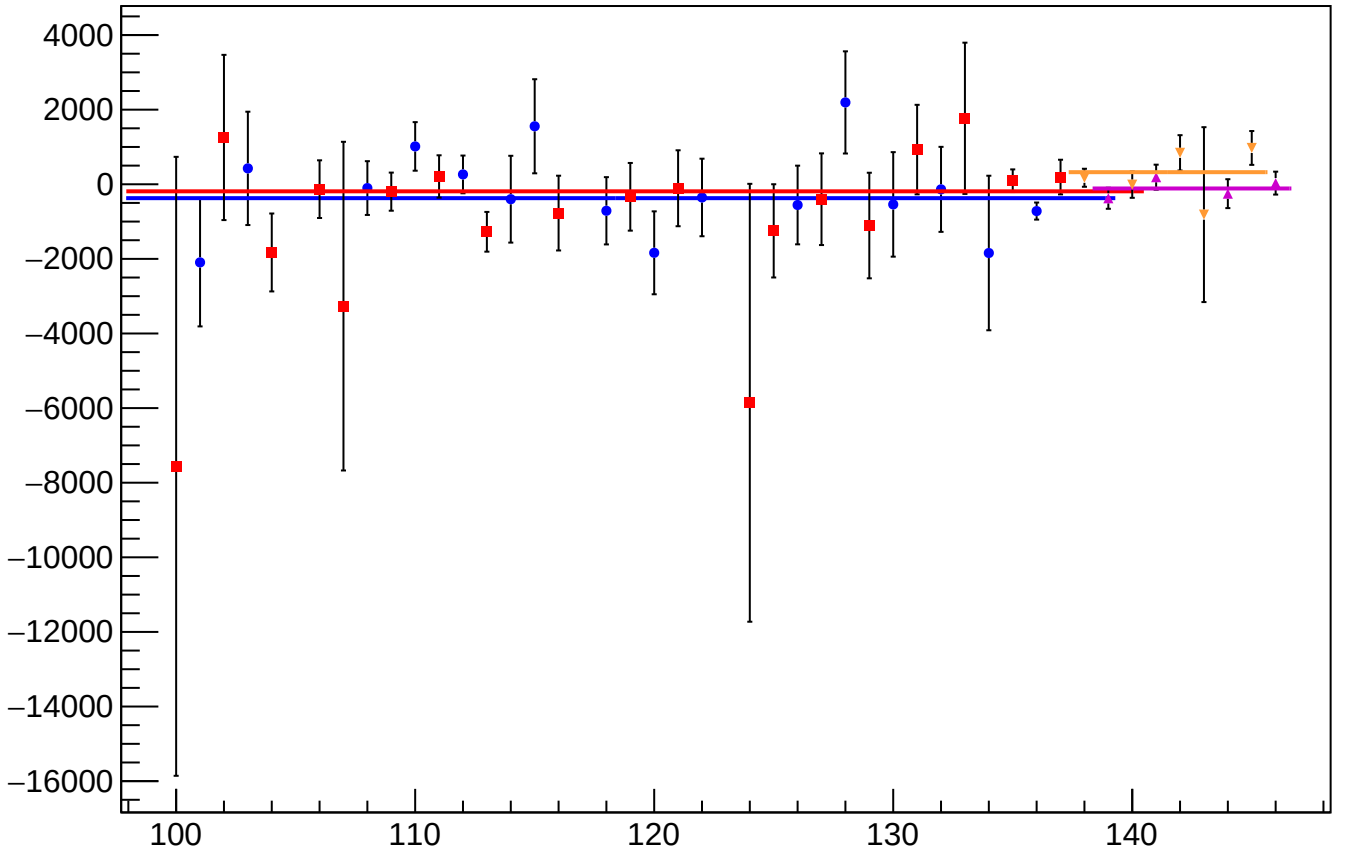
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1318.356+/-0.287 χ^2/NDF: 654574.2/20

All: 1308.868+/-0.201 χ^2/NDF: 990800.6/43

- sign 1299.699+/-0.282 χ^2/NDF: 334070.0/22



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 324.322+/-169.811 χ^2/NDF:4.8/4

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

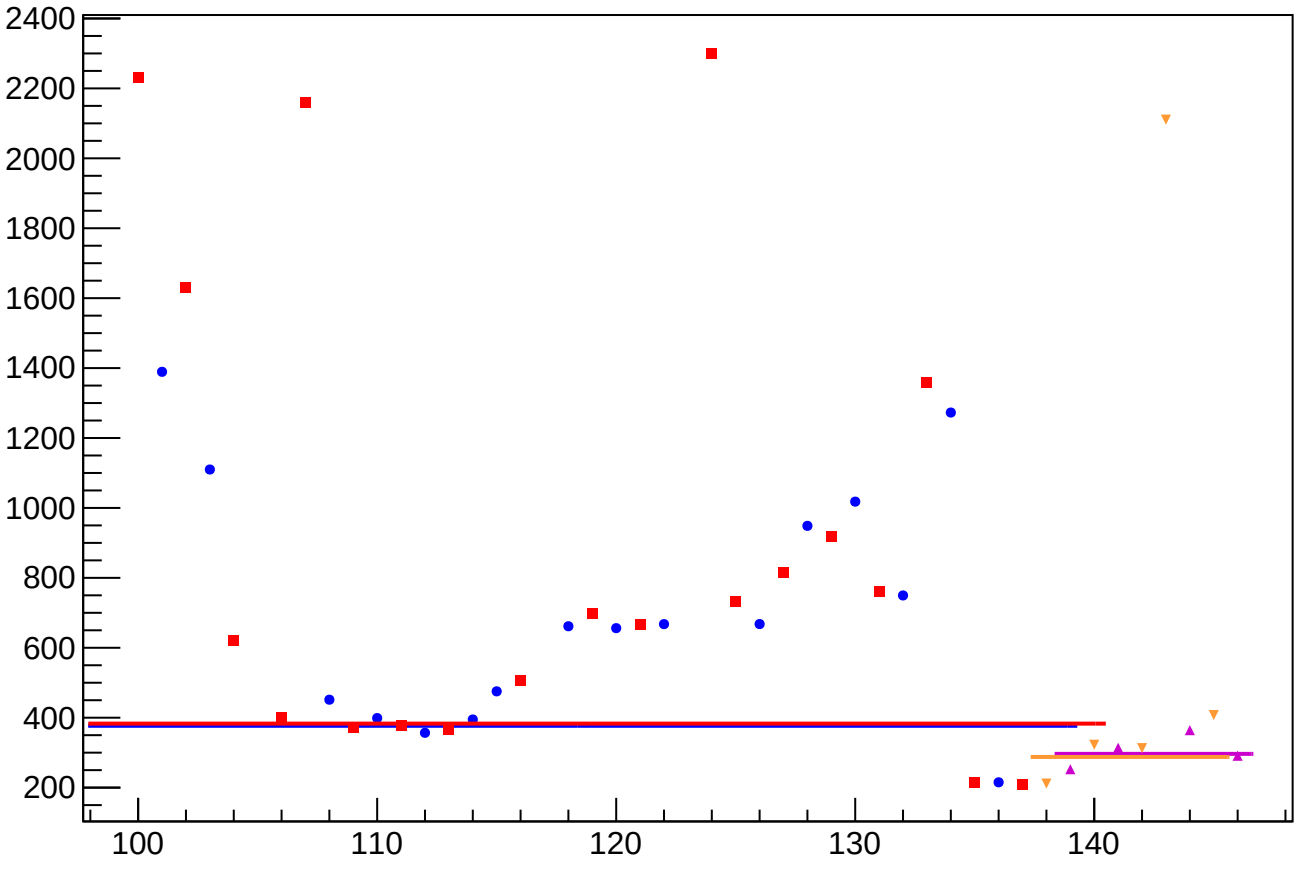
Left In: -112.952+/-160.733 χ^2/NDF:2.0/3

+ sign -27.314+/-119.502 χ^2/NDF: 31.4/20

All: -89.580+/-83.476 χ^2/NDF: 48.7/43

- sign -148.916+/-116.656 χ^2/NDF: 16.8/22

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: 287.731+/-0.120 χ^2/NDF:1573329.6/4

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

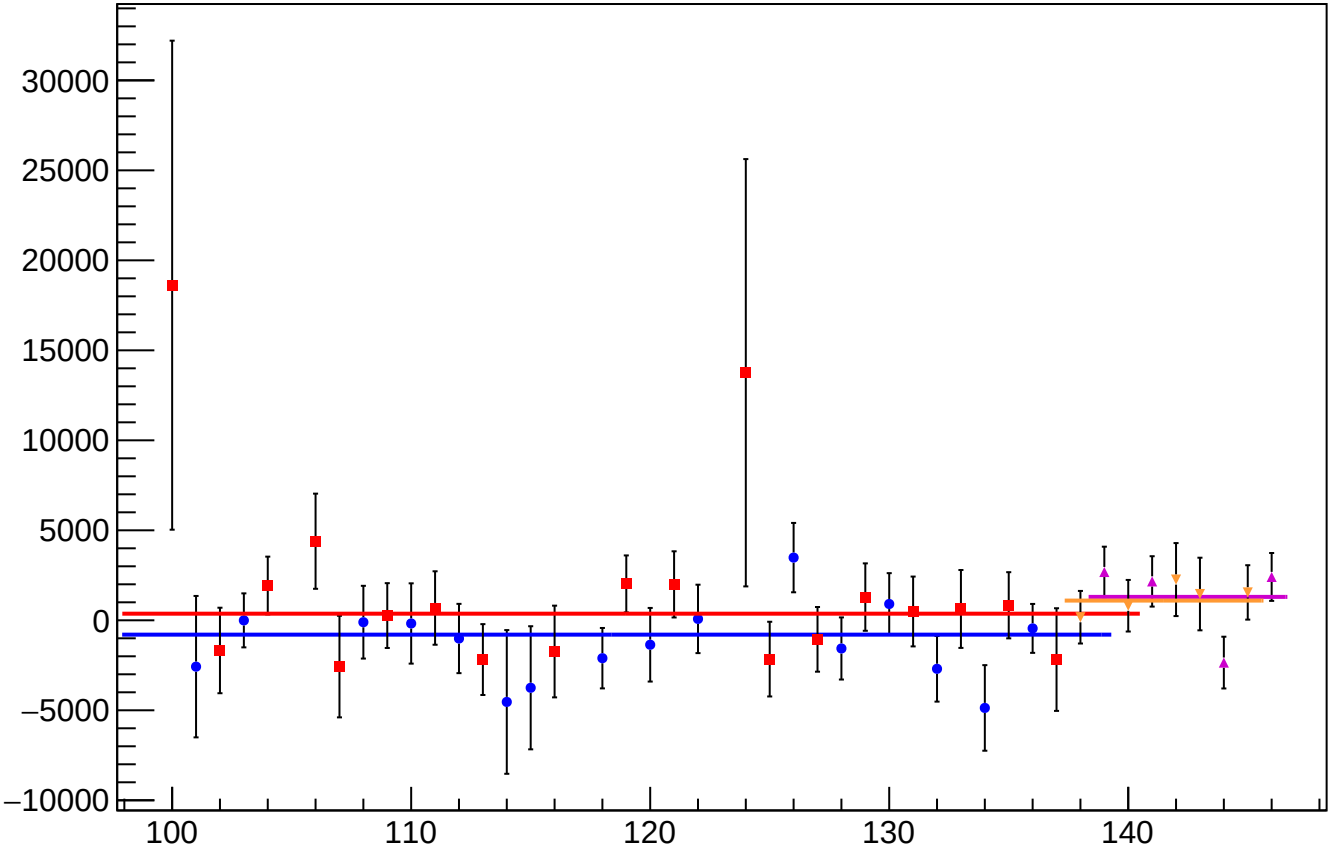
Left In: 296.534+/-0.114 χ^2/NDF:115766.0/3

+ sign 332.736+/-0.085 χ^2/NDF: 6041838.3/20

All: 335.169+/-0.059 χ^2/NDF: 10487721.1/43

- sign 337.489+/-0.082 χ^2/NDF: 4444262.7/22

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

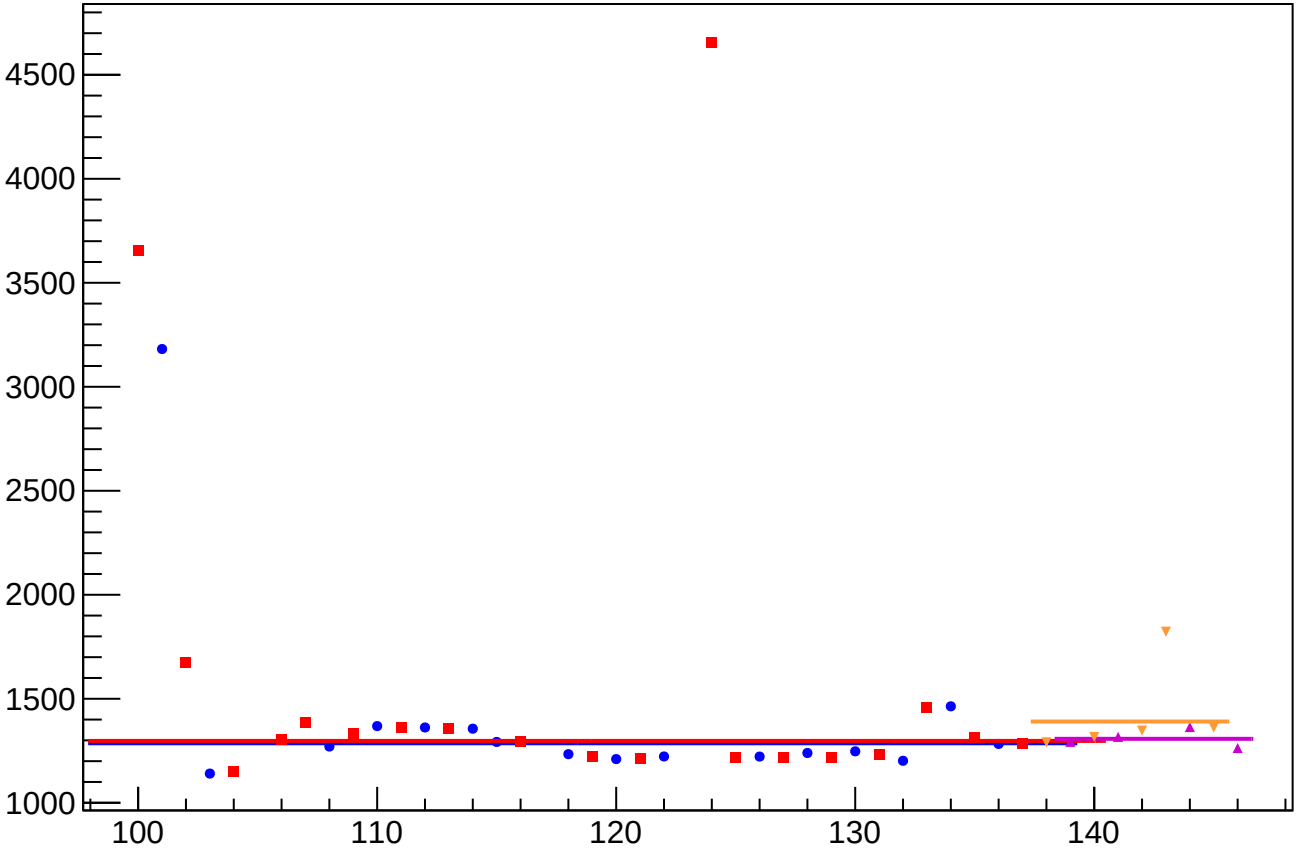
Left In: 1300.878+/-695.777 χ^2/NDF:8.5/3

+ sign -212.131+/-405.198 χ^2/NDF: 19.0/20

All: 238.109+/-284.164 χ^2/NDF: 46.8/43

- sign 673.846+/-398.619 χ^2/NDF: 25.4/22

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

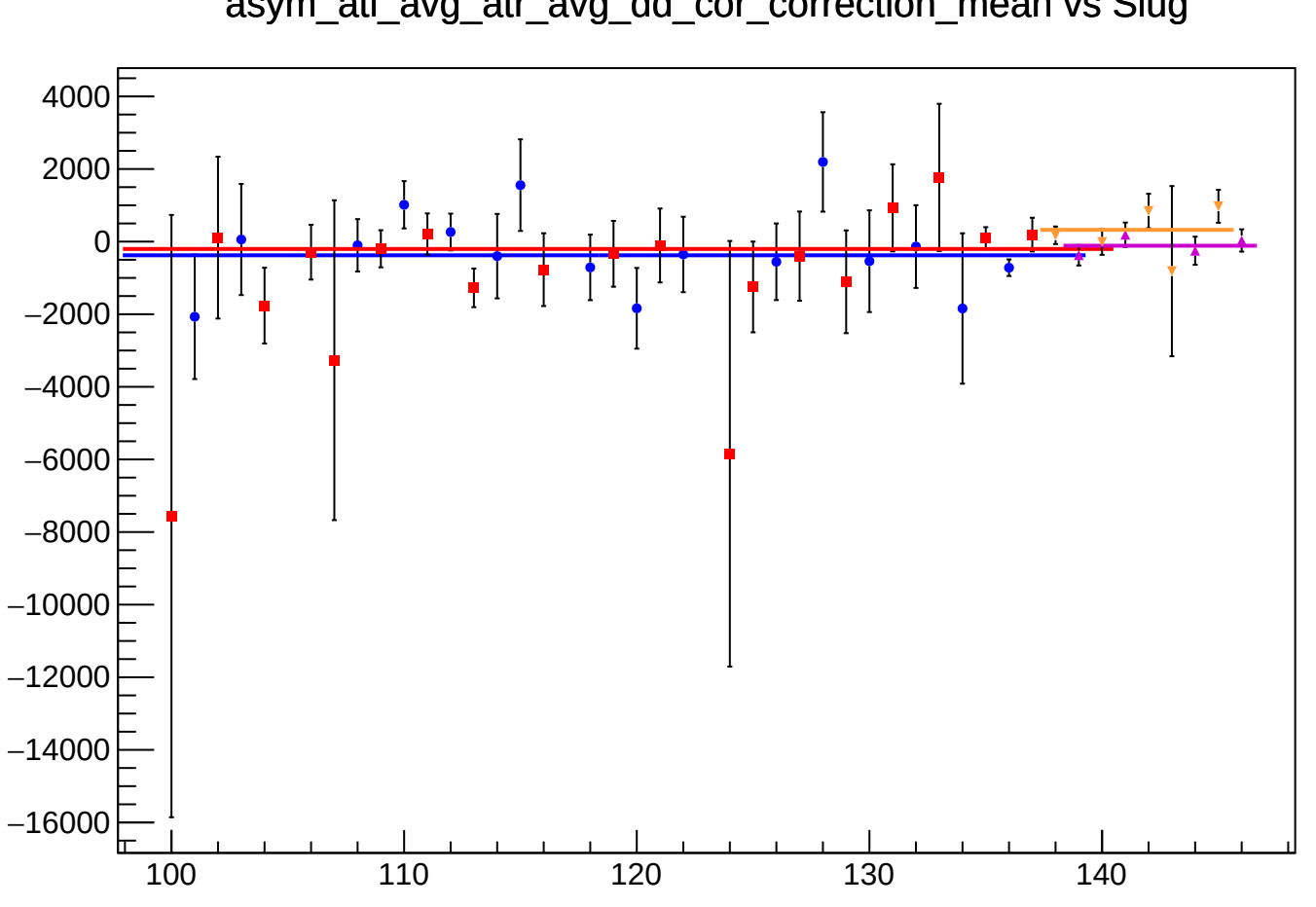
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1318.356+/-0.287 χ^2/NDF: 654575.7/20

All: 1309.373+/-0.201 χ^2/NDF: 990165.1/43

- sign 1300.679+/-0.282 χ^2/NDF: 333655.0/22



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 324.380+/-169.817 χ^2/NDF:4.8/4

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

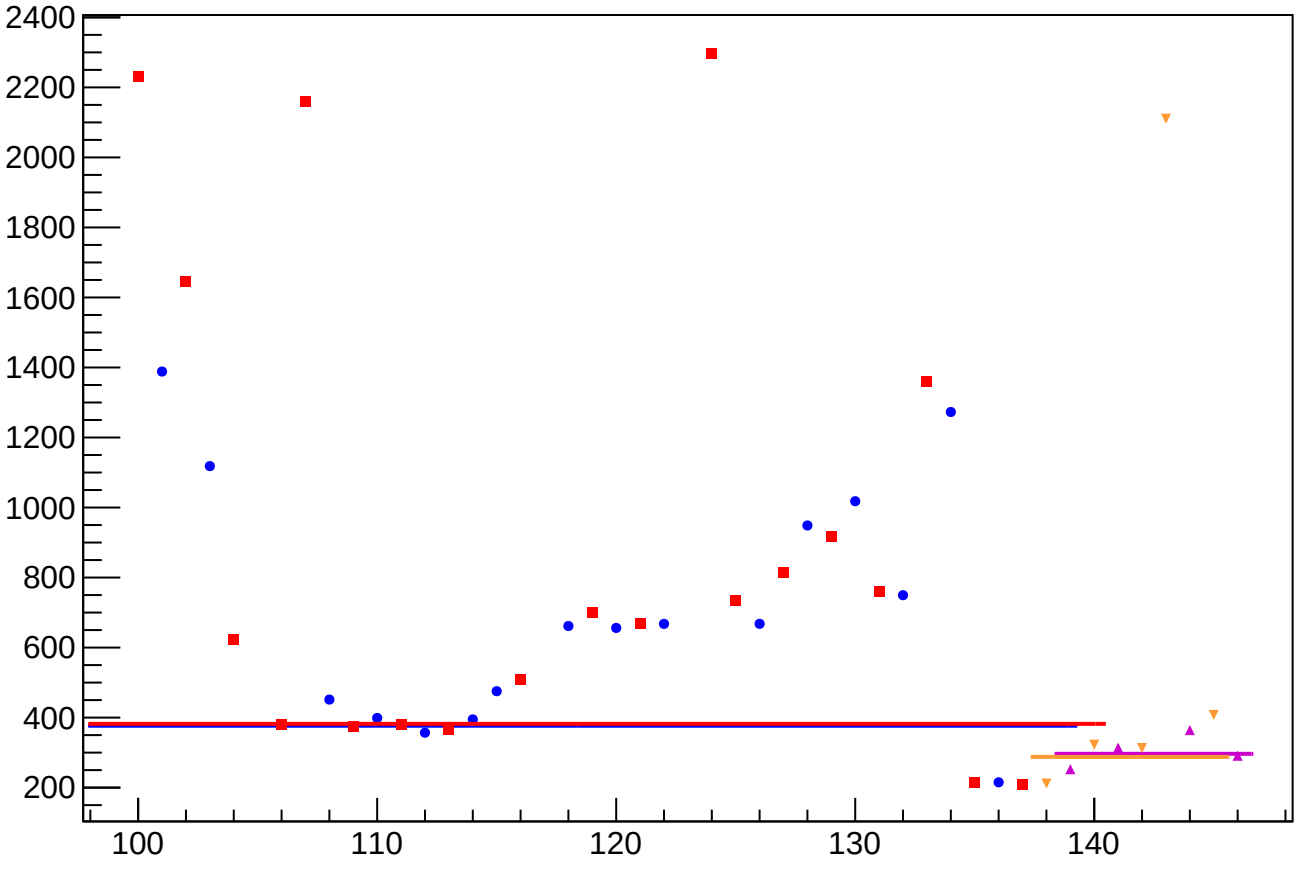
Left In: -113.044+/-160.731 χ^2/NDF:2.0/3

+ sign -29.502+/-119.511 χ^2/NDF: 31.3/20

All: -93.937+/-83.456 χ^2/NDF: 48.1/43

- sign -155.262+/-116.591 χ^2/NDF: 16.2/22

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: 287.743+/-0.120 χ^2/NDF:1573334.3/4

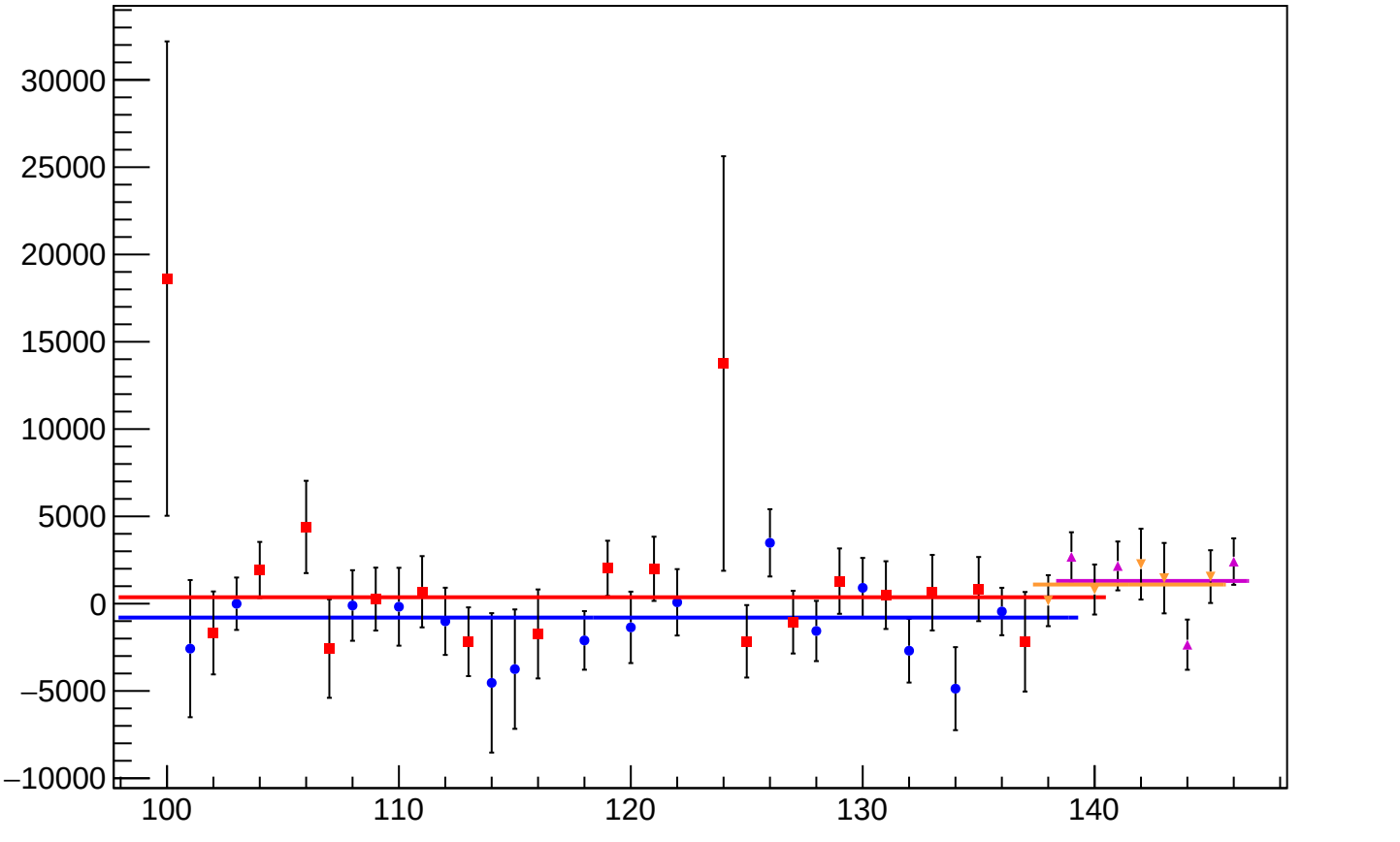
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

+ sign 332.734+/-0.085 χ^2/NDF: 6044801.3/20

All: 334.967+/-0.059 χ^2/NDF: 10490325.1/43

- sign 337.093+/-0.082 χ^2/NDF: 4444160.8/22



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

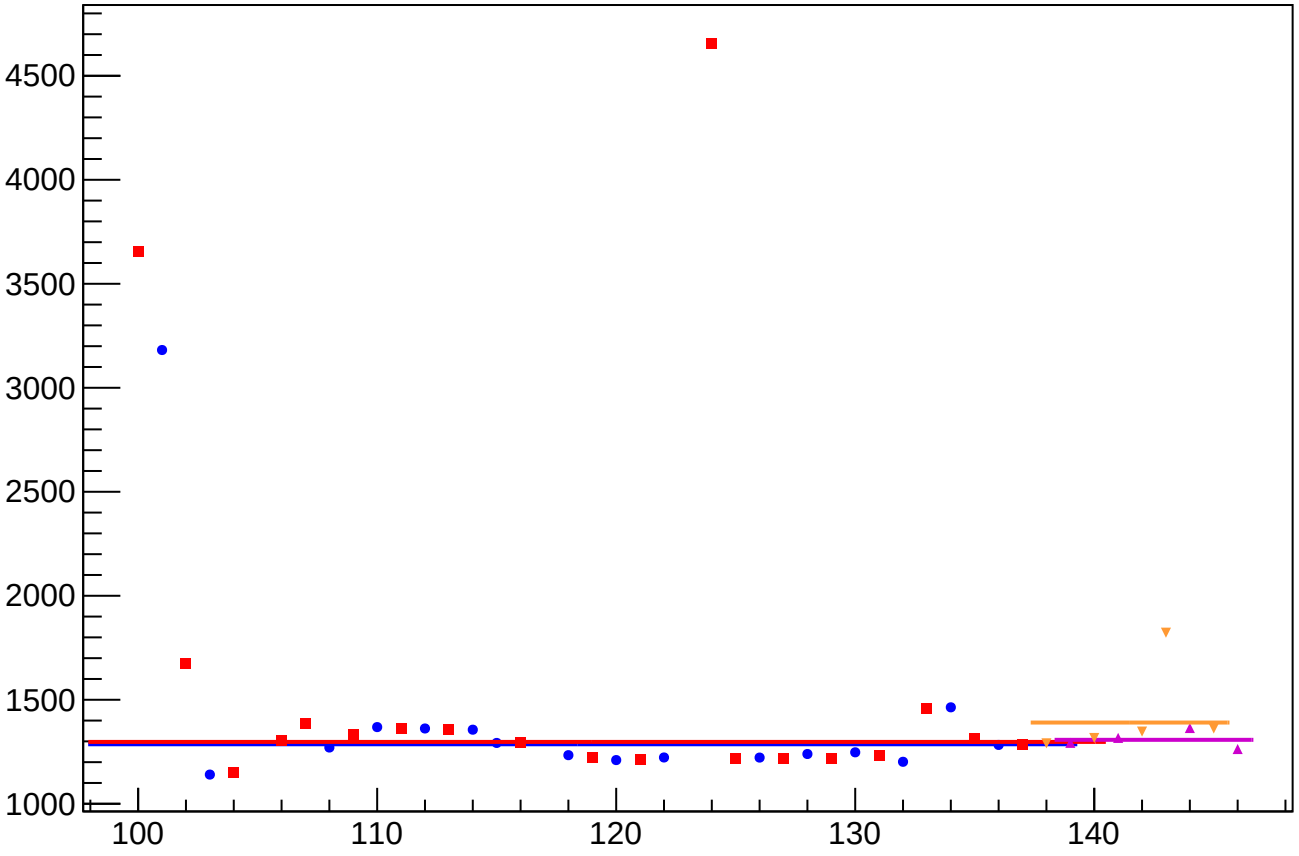
Left In: 1300.878+/-695.777 χ^2/NDF:8.5/3

+ sign -212.131+/-405.198 χ^2/NDF: 19.0/20

All: 238.109+/-284.164 χ^2/NDF: 46.8/43

- sign 673.846+/-398.619 χ^2/NDF: 25.4/22

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: 1390.491+/-0.515 χ^2/NDF:108101.4/4

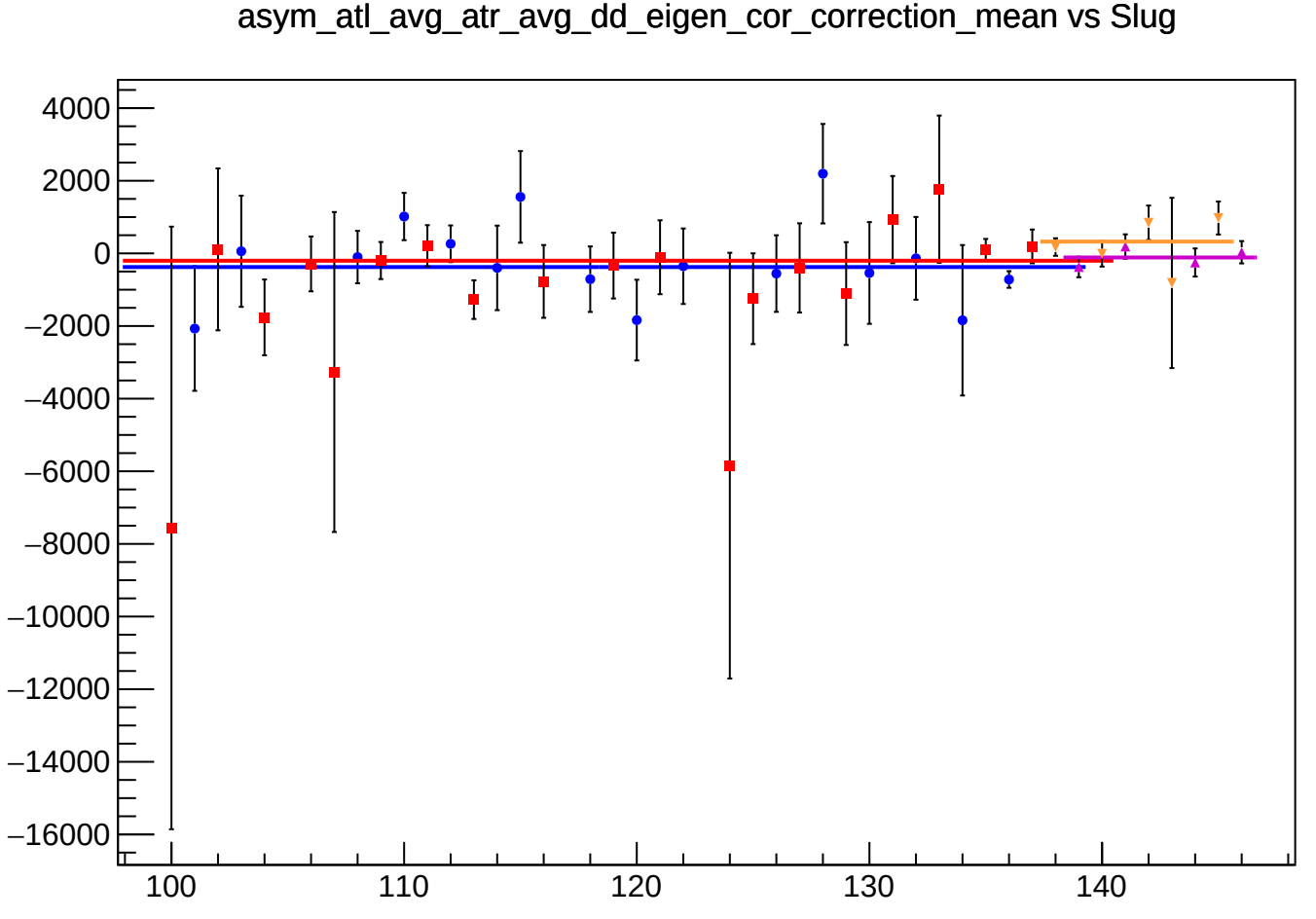
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1318.356+/-0.287 χ^2/NDF: 654575.7/20

All: 1309.373+/-0.201 χ^2/NDF: 990165.1/43

- sign 1300.679+/-0.282 χ^2/NDF: 333655.0/22



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 324.380+/-169.817 χ^2/NDF:4.8/4

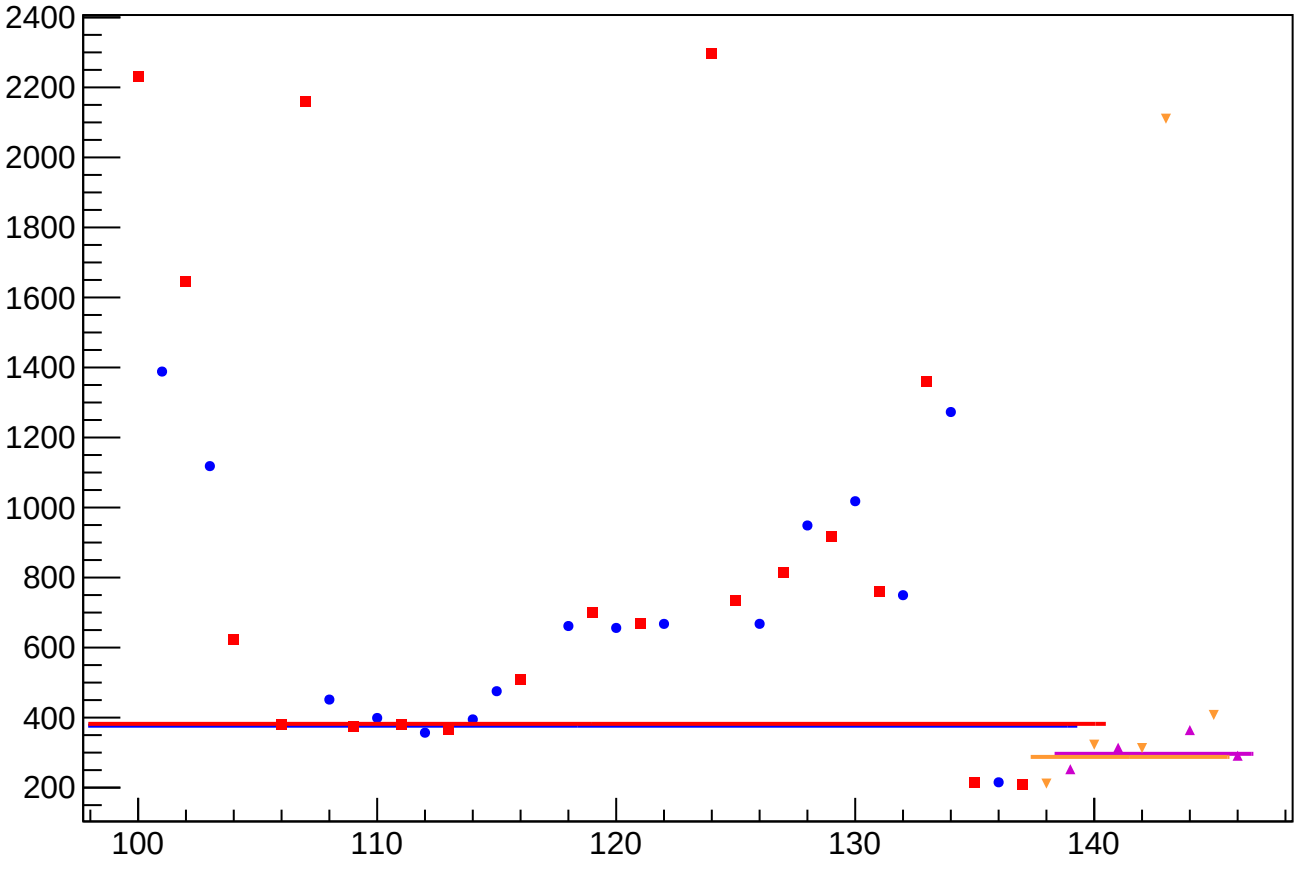
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -113.044+/-160.731 χ^2/NDF:2.0/3

+ sign -29.502+/-119.511 χ^2/NDF: 31.3/20

All: -93.937+/-83.456 χ^2/NDF: 48.1/43

- sign -155.262+/-116.591 χ^2/NDF: 16.2/22



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 287.743+/-0.120 χ^2/NDF:1573334.3/4

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

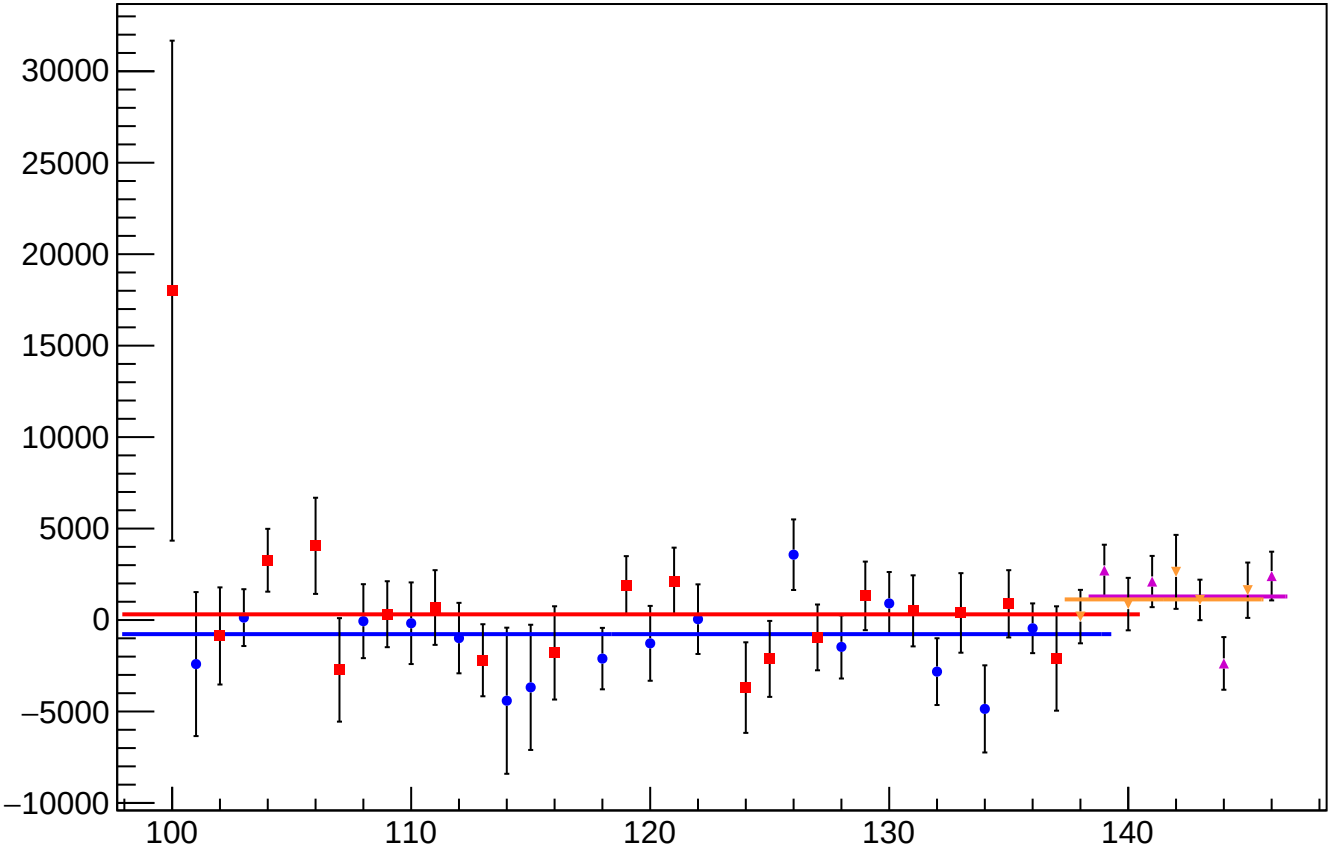
Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

+ sign 332.734+/-0.085 χ^2/NDF: 6044801.3/20

All: 334.967+/-0.059 χ^2/NDF: 10490325.1/43

- sign 337.093+/-0.082 χ^2/NDF: 4444160.8/22

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1127.187+/-638.641 χ^2/NDF:1.1/4

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

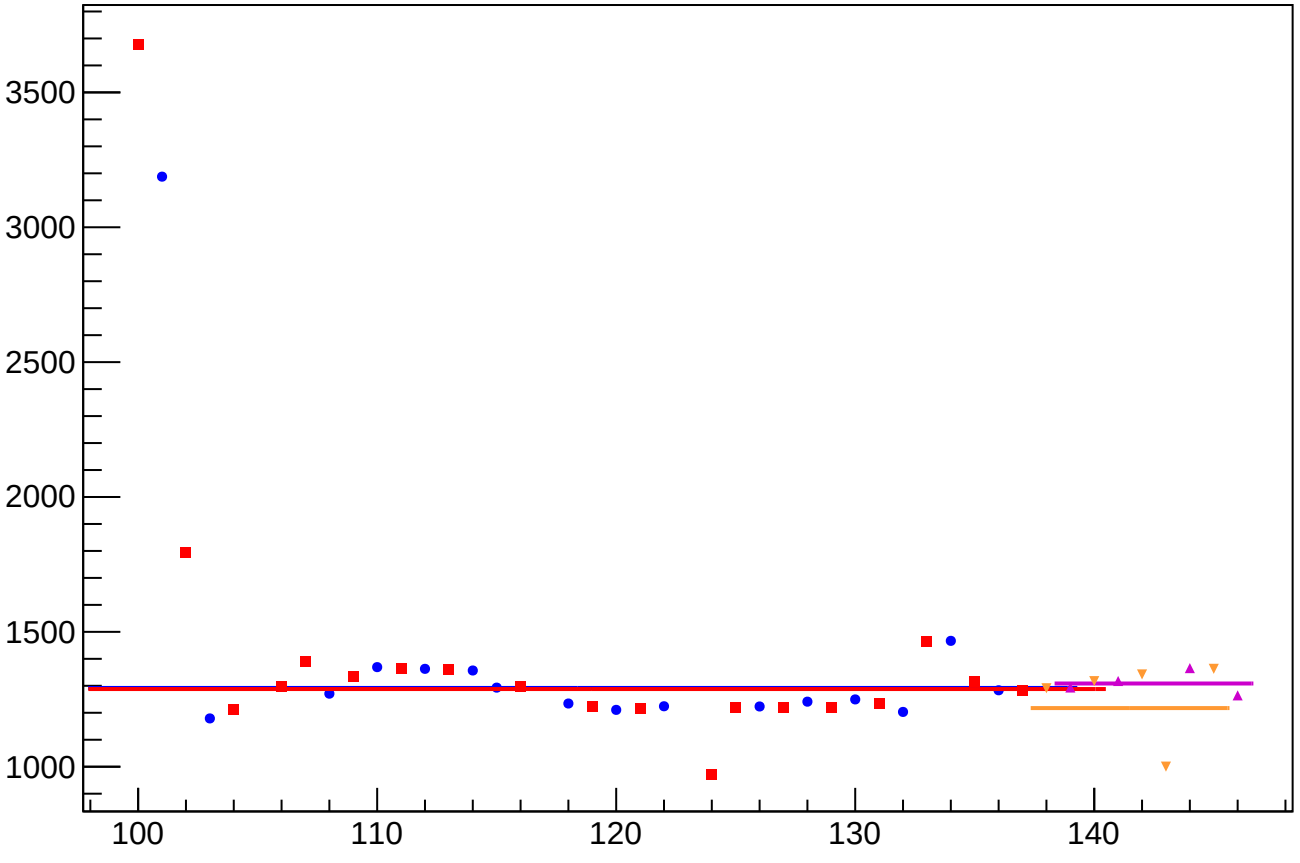
Left In: 1287.022+/-696.377 χ^2/NDF:8.5/3

+ sign -68.666+/-388.558 χ^2/NDF: 20.3/20

All: 272.454+/-277.580 χ^2/NDF: 49.6/43

- sign 627.988+/-396.682 χ^2/NDF: 27.8/22

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1217.380+/-0.452 χ^2/NDF:117768.6/4

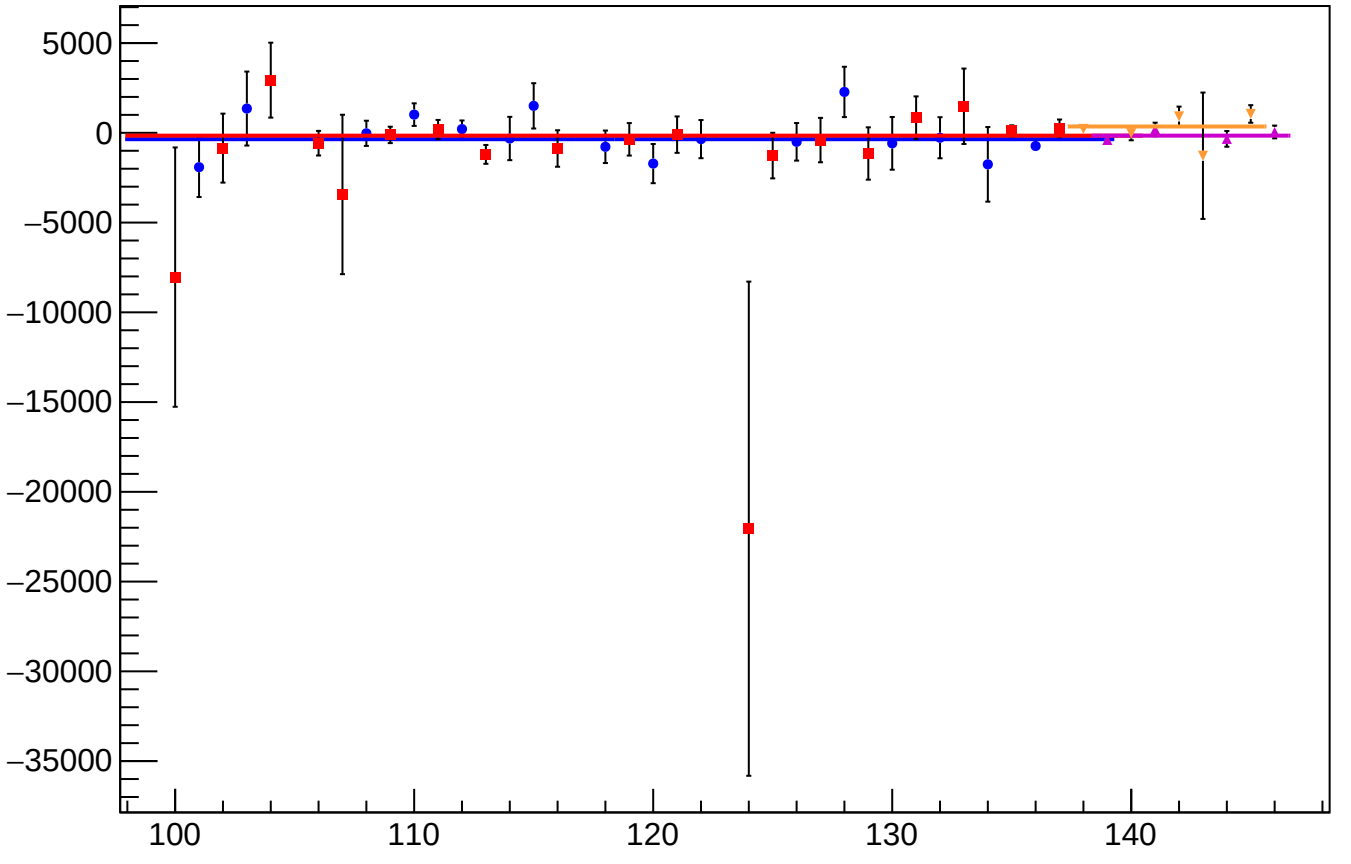
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

+ sign 1264.402+/-0.275 χ^2/NDF: 644389.4/20

All: 1279.214+/-0.196 χ^2/NDF: 866344.6/43

- sign 1294.651+/-0.280 χ^2/NDF: 216019.9/22



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 352.458+/-179.843 χ^2/NDF:4.5/4

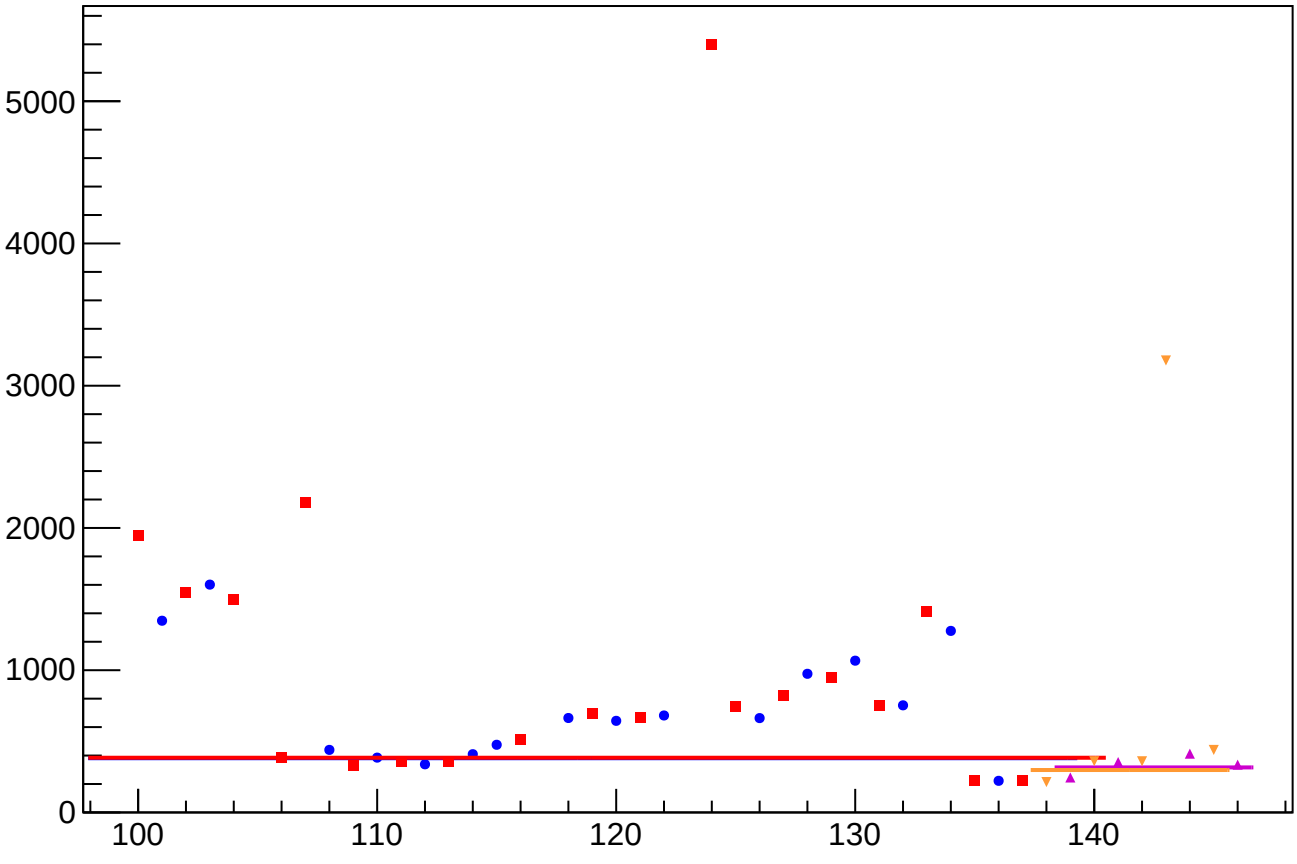
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -156.827+/-173.571 χ^2/NDF:2.1/3

+ sign -21.341+/-123.530 χ^2/NDF: 31.1/20

All: -90.587+/-86.560 χ^2/NDF: 49.7/43

- sign -157.388+/-121.328 χ^2/NDF: 17.9/22



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 298.312+/-0.127 χ^2/NDF:1821050.2/4

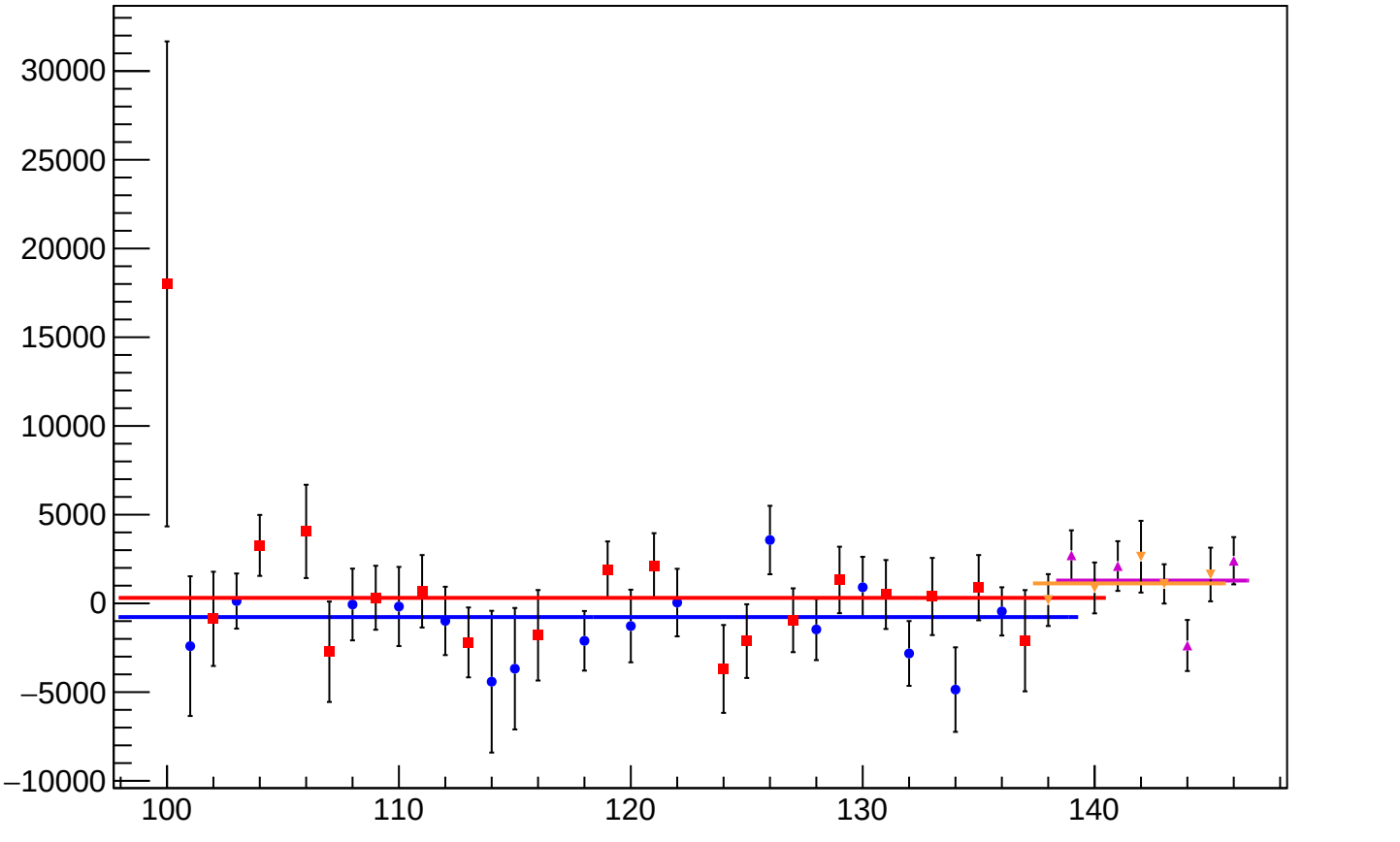
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 316.615+/-0.123 χ^2/NDF:253502.1/3

+ sign 342.172+/-0.087 χ^2/NDF: 6364182.6/20

All: 346.873+/-0.061 χ^2/NDF: 11340724.4/43

- sign 351.407+/-0.086 χ^2/NDF: 4970852.5/22



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1127.187+/-638.641 χ^2/NDF:1.1/4

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

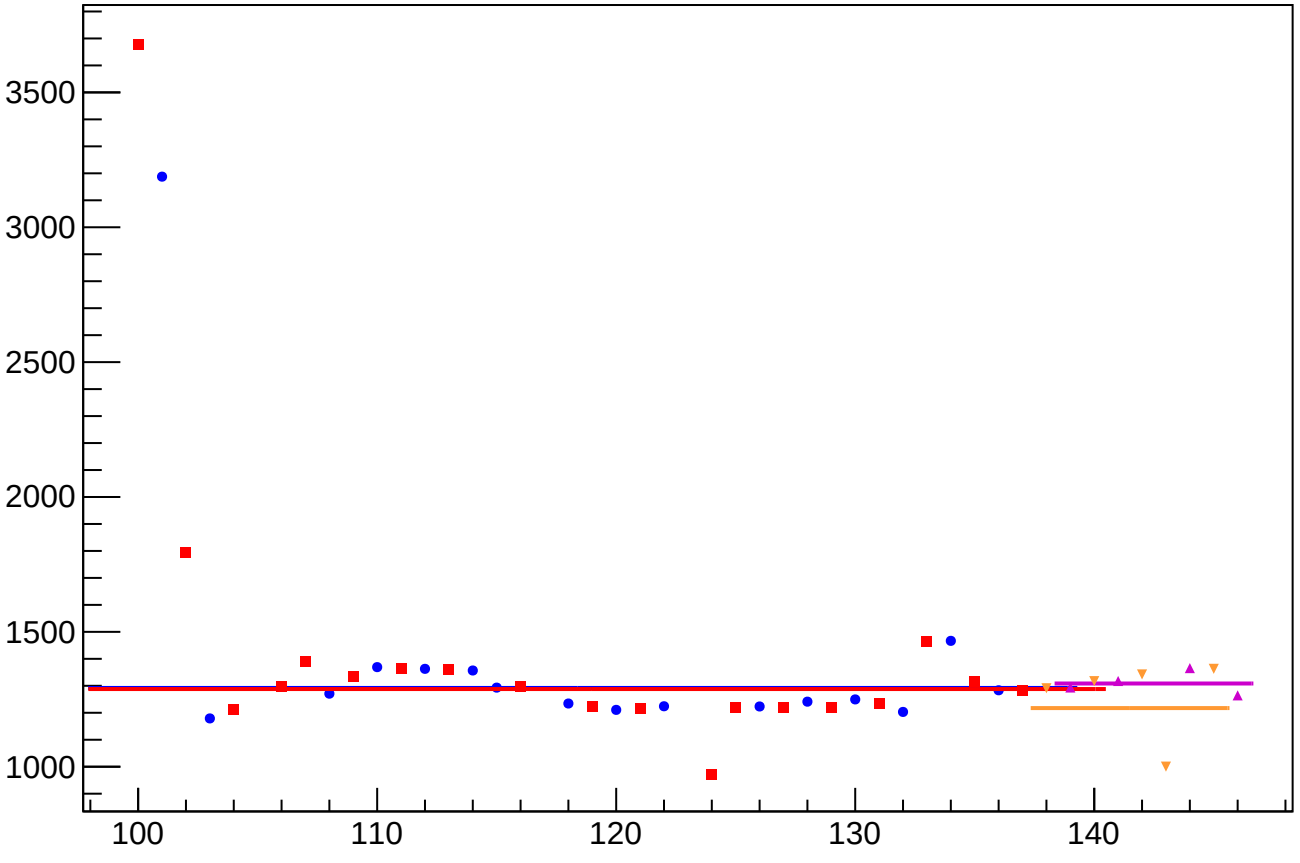
Left In: 1287.017+/-696.377 χ^2/NDF:8.5/3

+ sign -68.668+/-388.558 χ^2/NDF: 20.3/20

All: 272.453+/-277.580 χ^2/NDF: 49.6/43

- sign 627.987+/-396.682 χ^2/NDF: 27.8/22

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: 1217.380+/-0.452 χ^2/NDF:117767.9/4

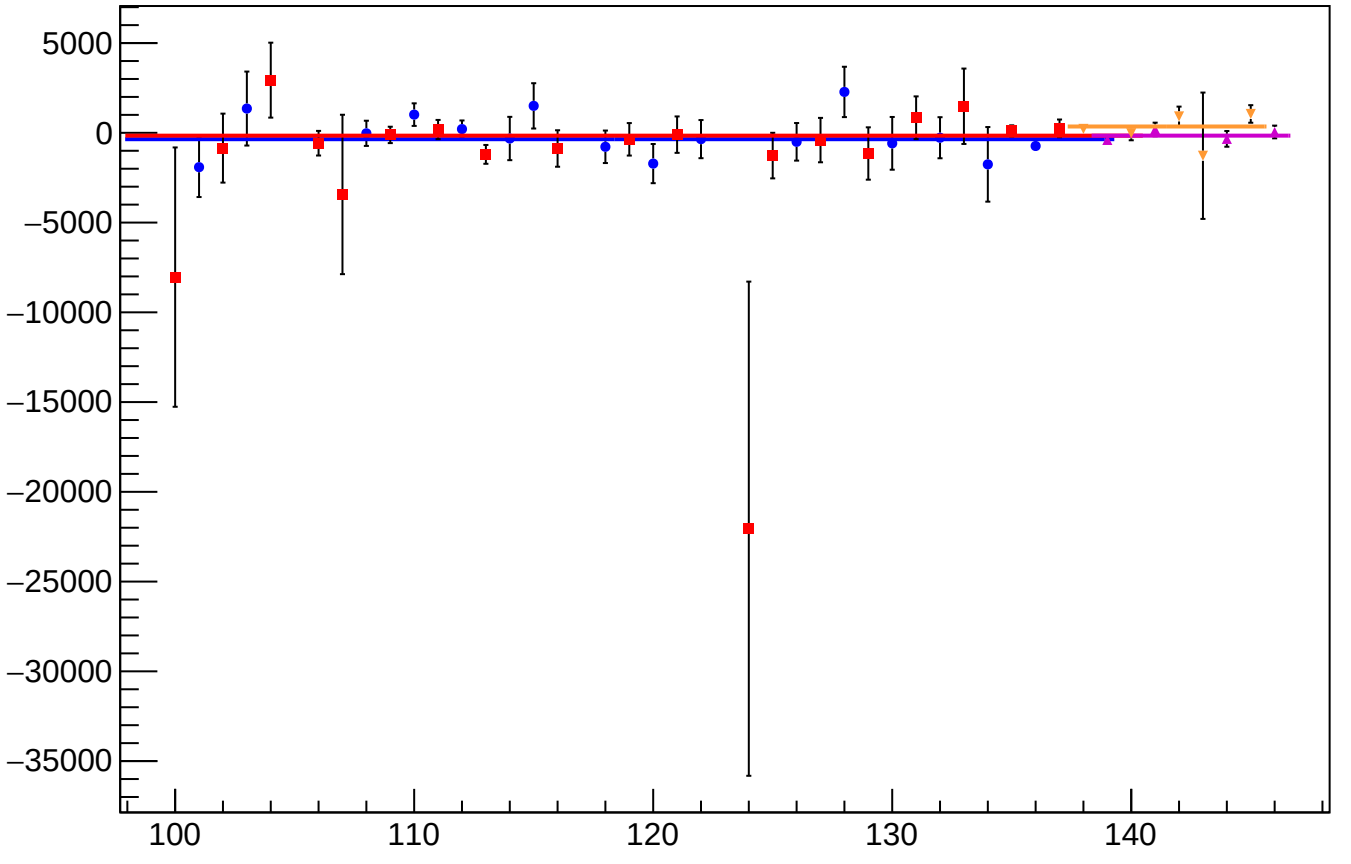
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

+ sign 1264.402+/-0.275 χ^2/NDF: 644388.5/20

All: 1279.214+/-0.196 χ^2/NDF: 866343.9/43

- sign 1294.651+/-0.280 χ^2/NDF: 216020.2/22



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 352.476+/-179.850 χ^2/NDF:4.5/4

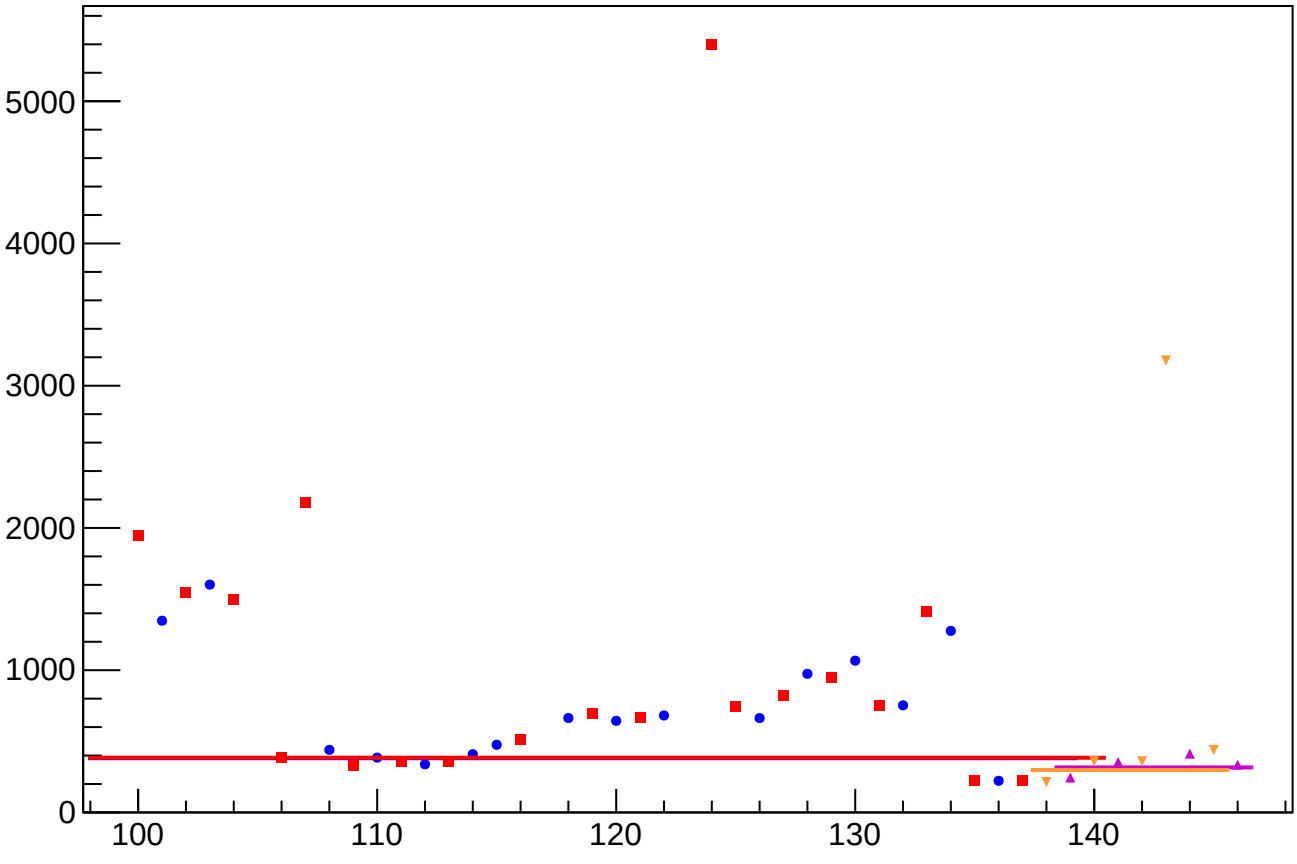
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -156.827+/-173.575 χ^2/NDF:2.1/3

+ sign -21.340+/-123.533 χ^2/NDF: 31.1/20

All: -90.589+/-86.562 χ^2/NDF: 49.7/43

- sign -157.390+/-121.331 χ^2/NDF: 17.9/22



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 298.325+/-0.127 χ^2/NDF:1820952.9/4

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

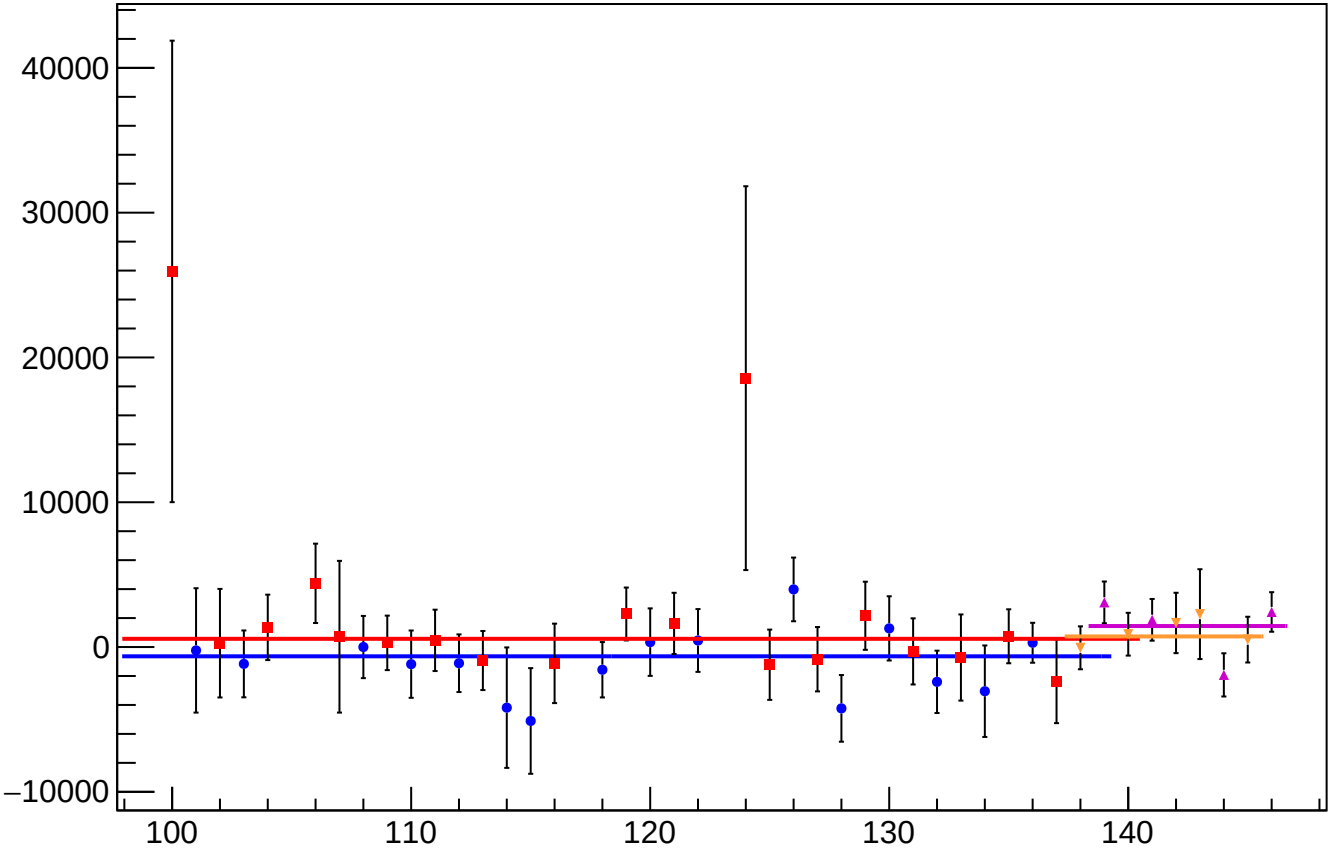
Left In: 316.624+/-0.123 χ^2/NDF:253434.2/3

+ sign 342.185+/-0.087 χ^2/NDF: 6363867.4/20

All: 346.883+/-0.061 χ^2/NDF: 11340183.9/43

- sign 351.416+/-0.086 χ^2/NDF: 4970632.0/22

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 731.111+/-778.962 χ^2/NDF:0.8/4

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

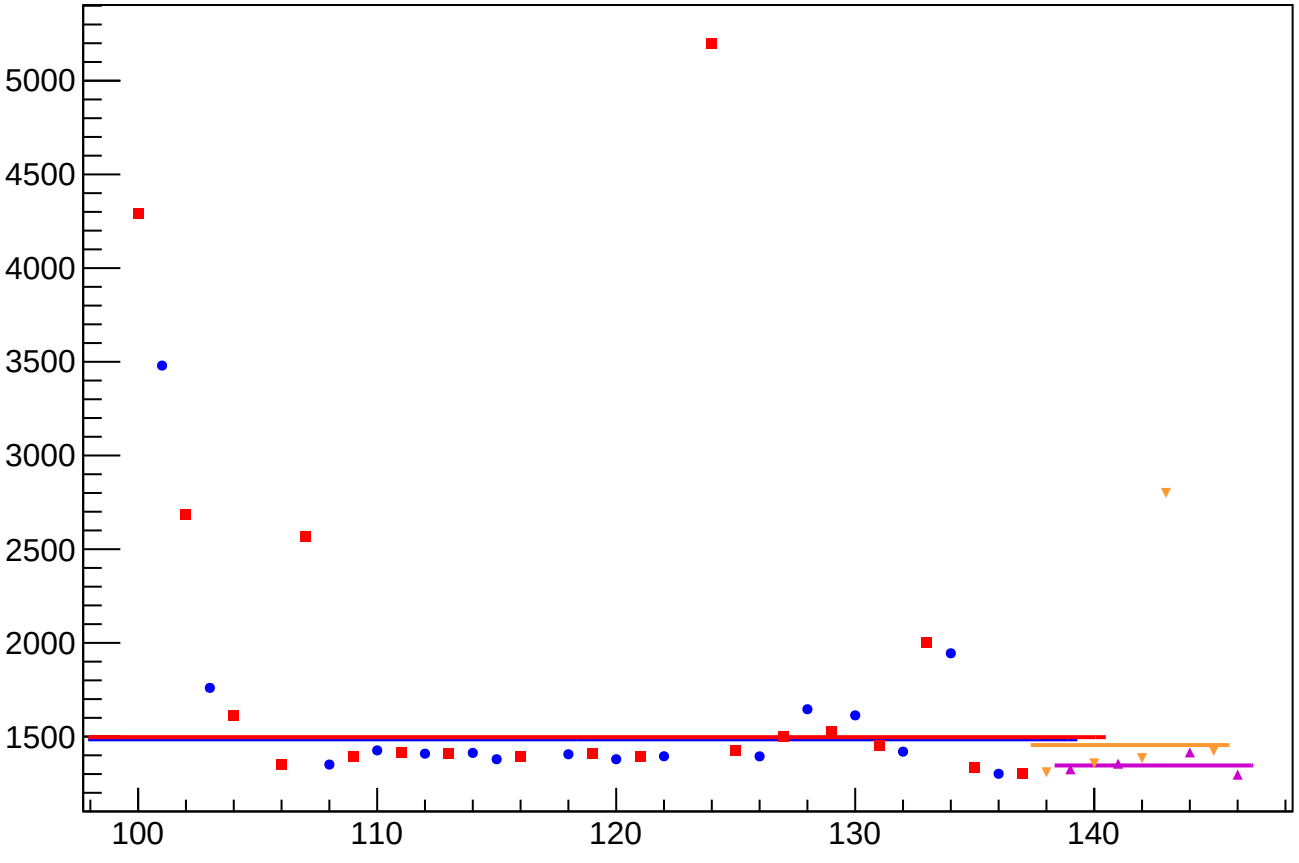
Left In: 1450.037+/-716.396 χ^2/NDF:7.0/3

+ sign -168.568+/-457.023 χ^2/NDF: 15.3/20

All: 384.213+/-318.640 χ^2/NDF: 37.4/43

- sign 907.091+/-444.489 χ^2/NDF: 19.3/22

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1454.719+/-0.551 χ^2/NDF:407025.6/4

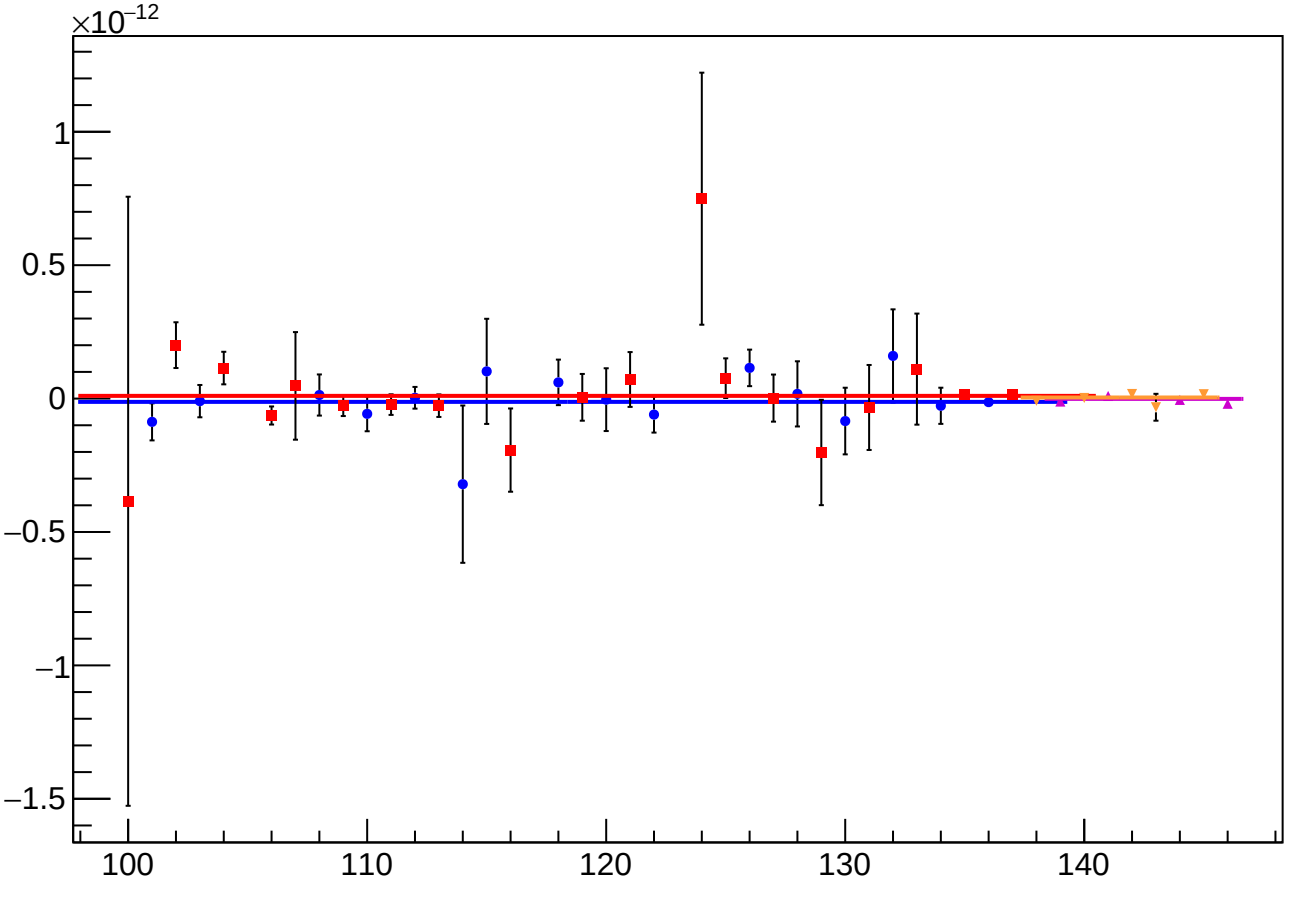
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1345.885+/-0.507 χ^2/NDF:7419.8/3

+ sign 1474.819+/-0.323 χ^2/NDF: 993526.5/20

All: 1456.280+/-0.225 χ^2/NDF: 1685277.8/43

- sign 1438.744+/-0.314 χ^2/NDF: 685347.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/4

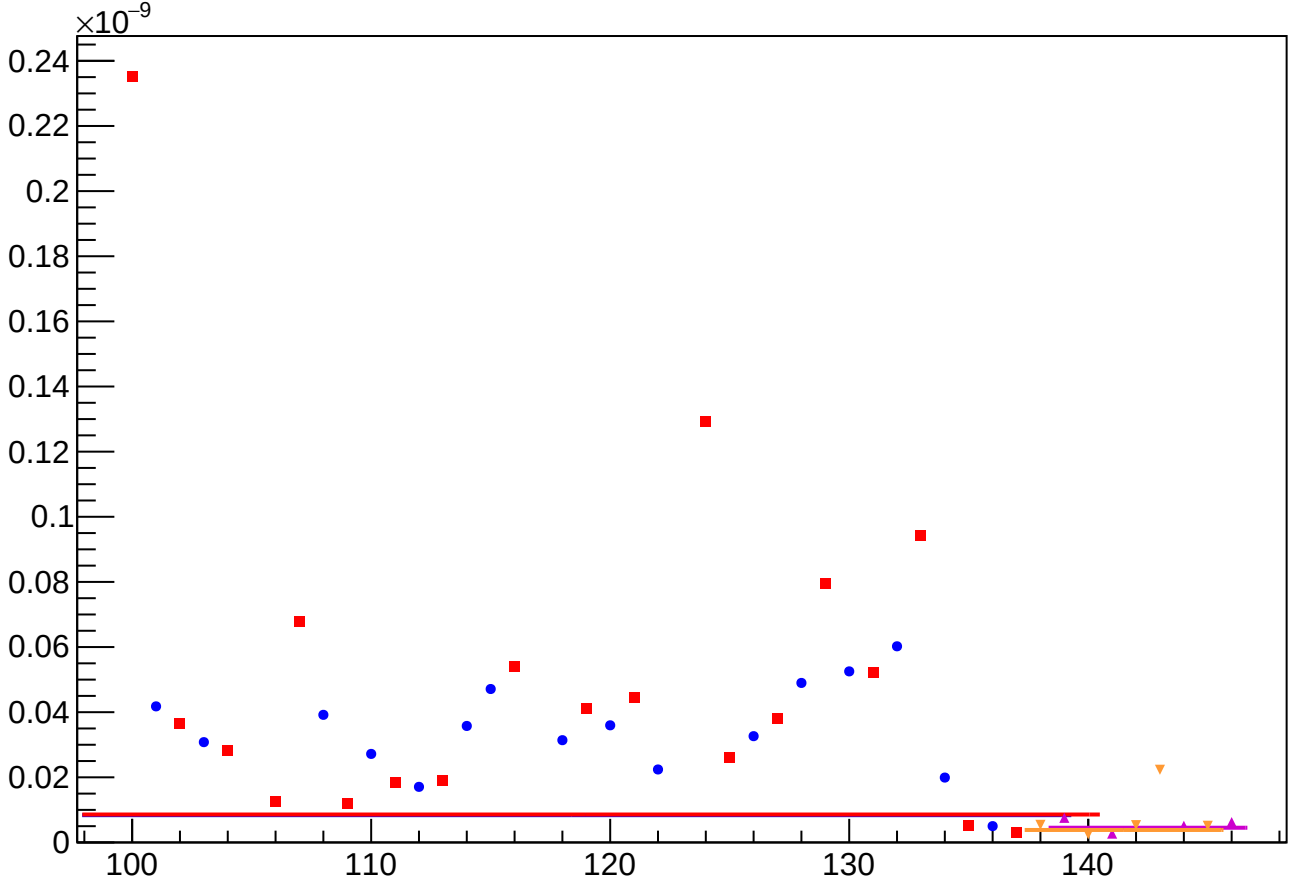
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 19.4/20

All: 0.000+/-0.000 χ^2/NDF: 51.1/43

- sign 0.000+/-0.000 χ^2/NDF: 31.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:562090.0/4

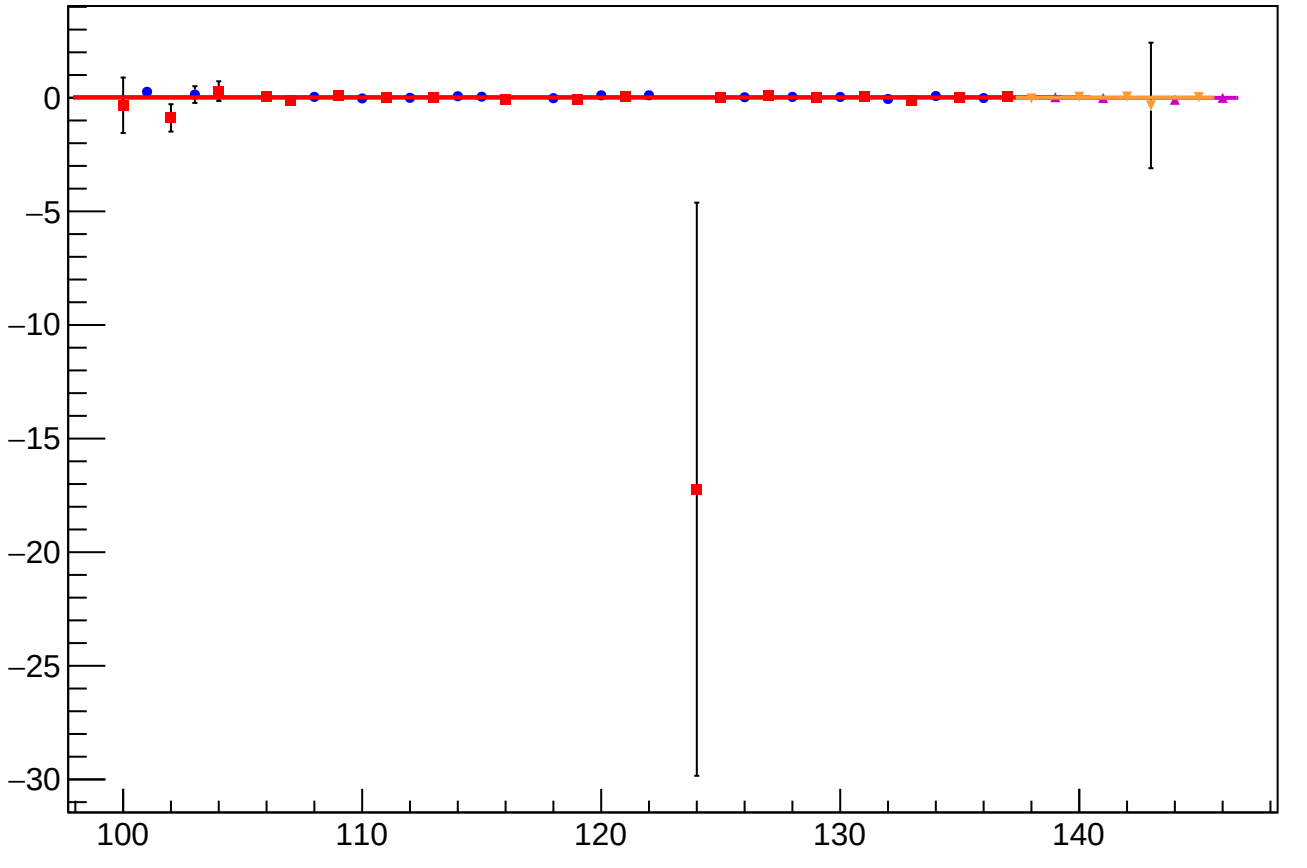
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:420445.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4227096.5/20

All: 0.000+/-0.000 χ^2/NDF: 8440293.0/43

- sign 0.000+/-0.000 χ^2/NDF: 4180614.2/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

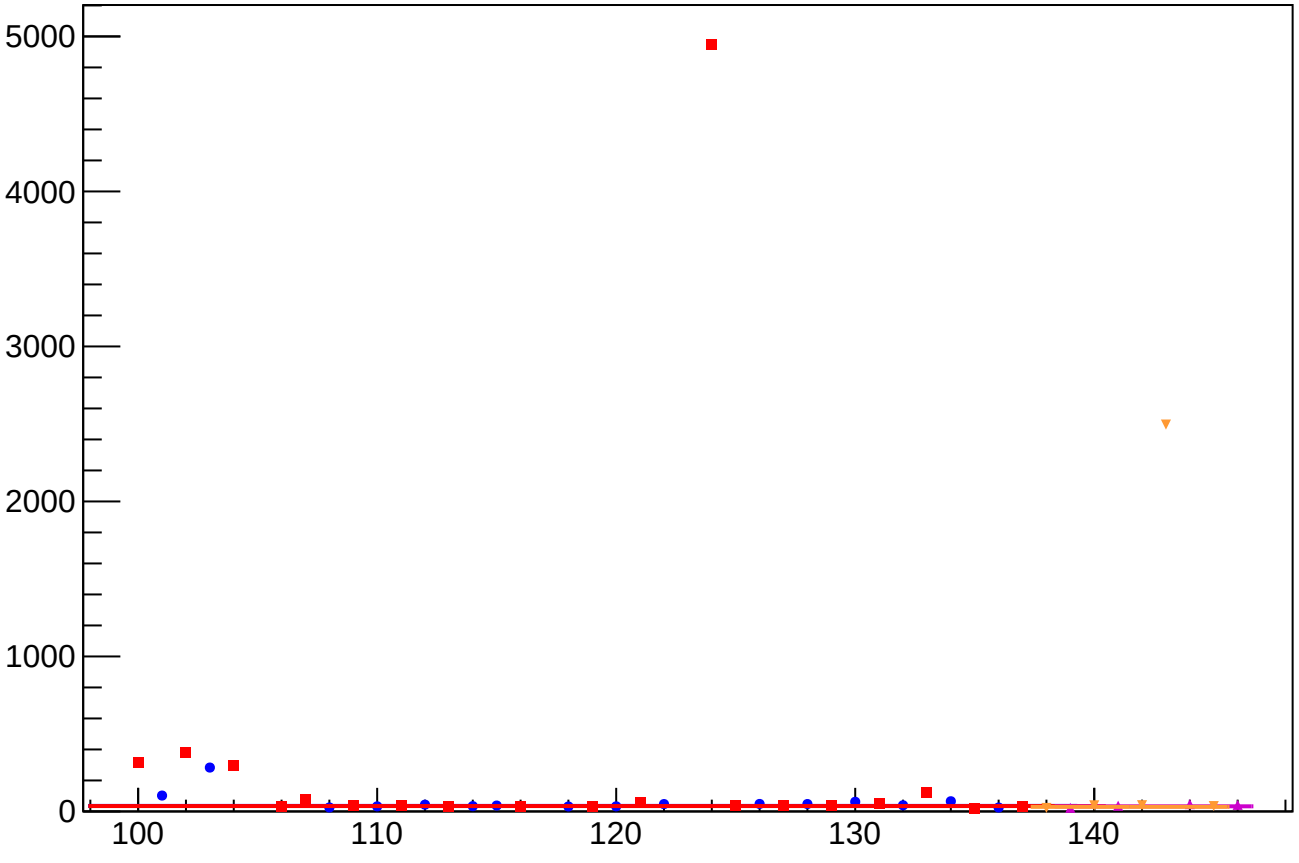
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.009+/-0.009 χ^2/NDF: 34.9/43

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

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: 29.891+/-0.014 χ^2/NDF:1894945.5/4

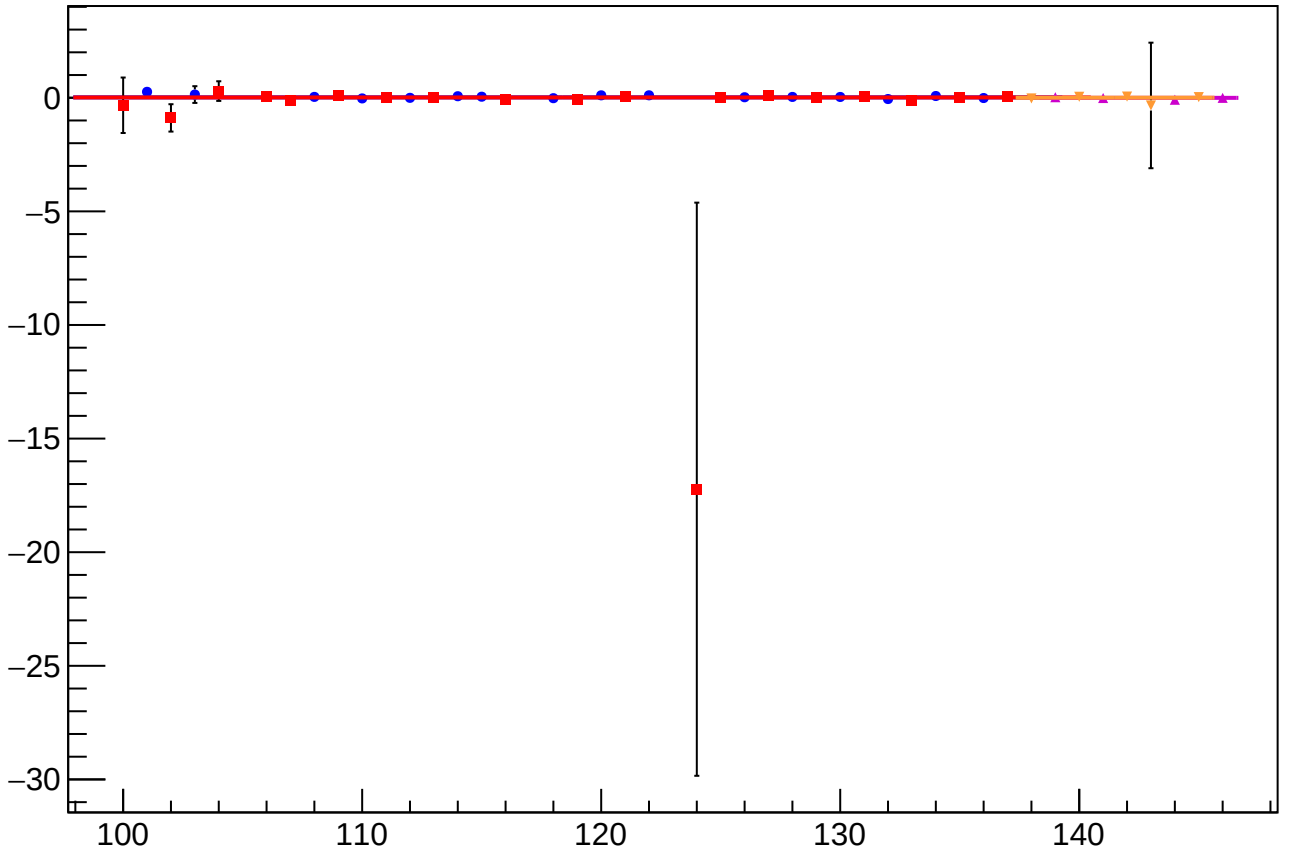
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

+ sign 33.530+/-0.009 χ^2/NDF: 4268185.8/20

All: 33.851+/-0.006 χ^2/NDF: 7649912.6/43

- sign 34.178+/-0.009 χ^2/NDF: 3378932.3/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

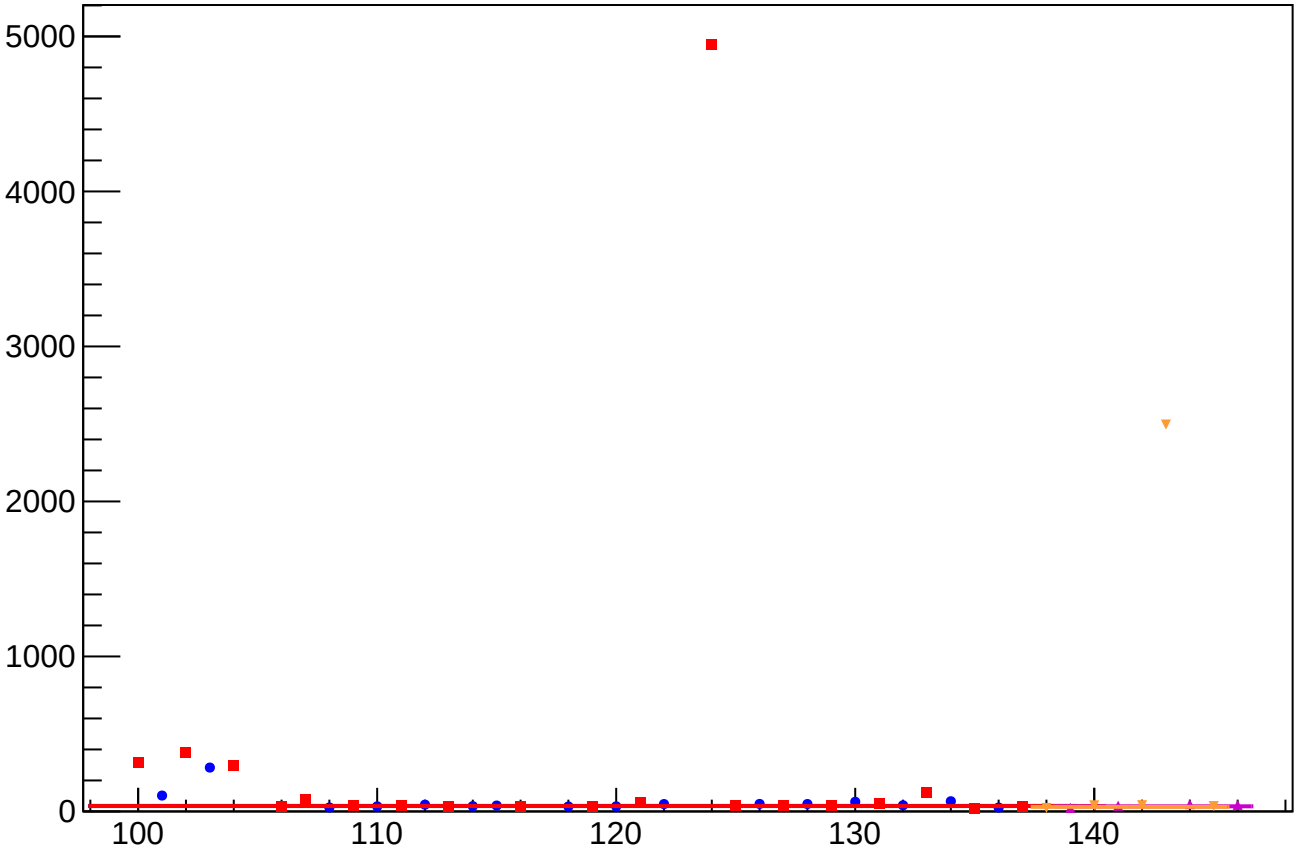
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.009+/-0.009 χ^2/NDF: 34.9/43

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 29.891+/-0.014 χ^2/NDF:1894945.5/4

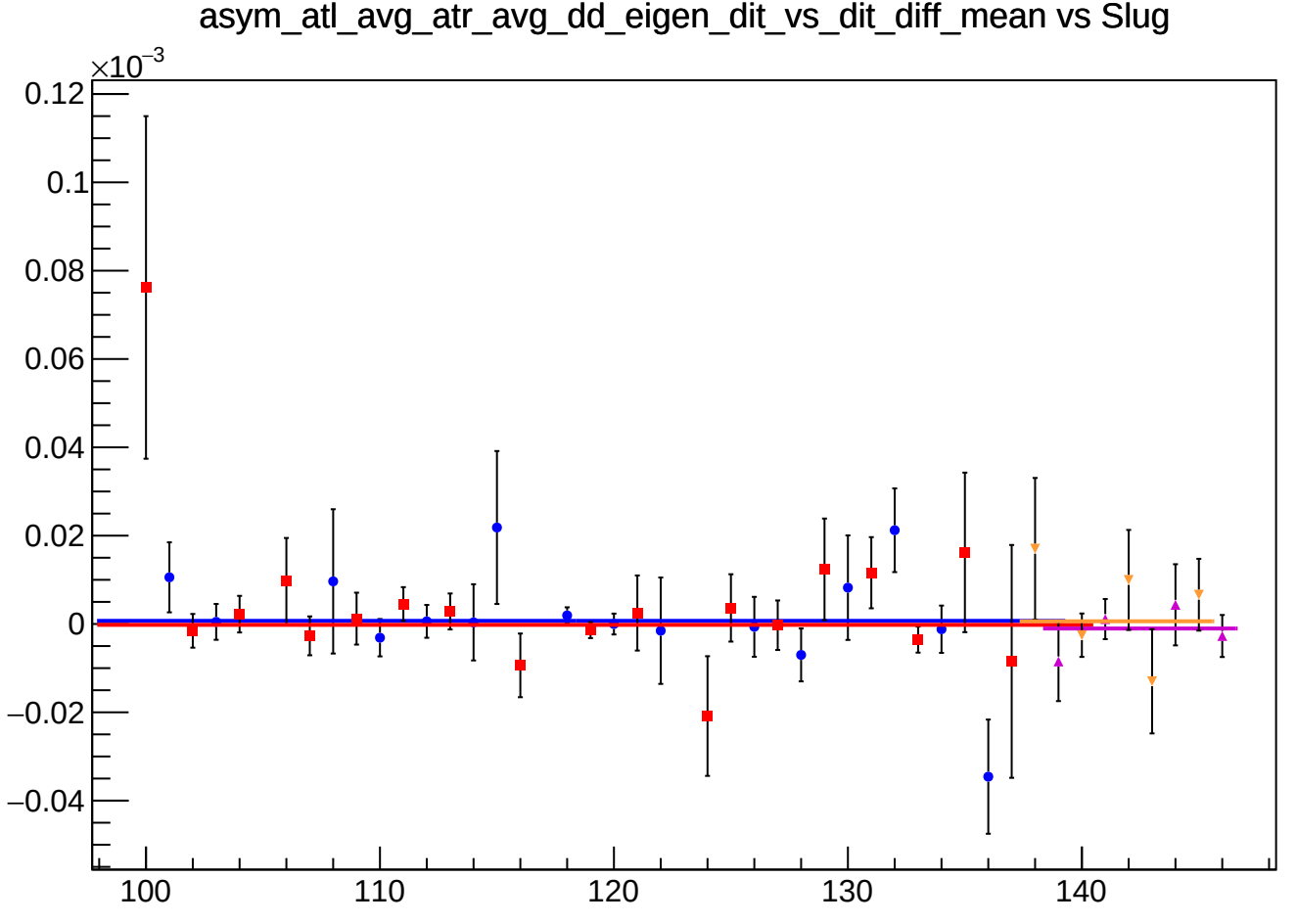
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

+ sign 33.530+/-0.009 χ^2/NDF: 4268185.8/20

All: 33.851+/-0.006 χ^2/NDF: 7649912.6/43

- sign 34.178+/-0.009 χ^2/NDF: 3378932.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/4

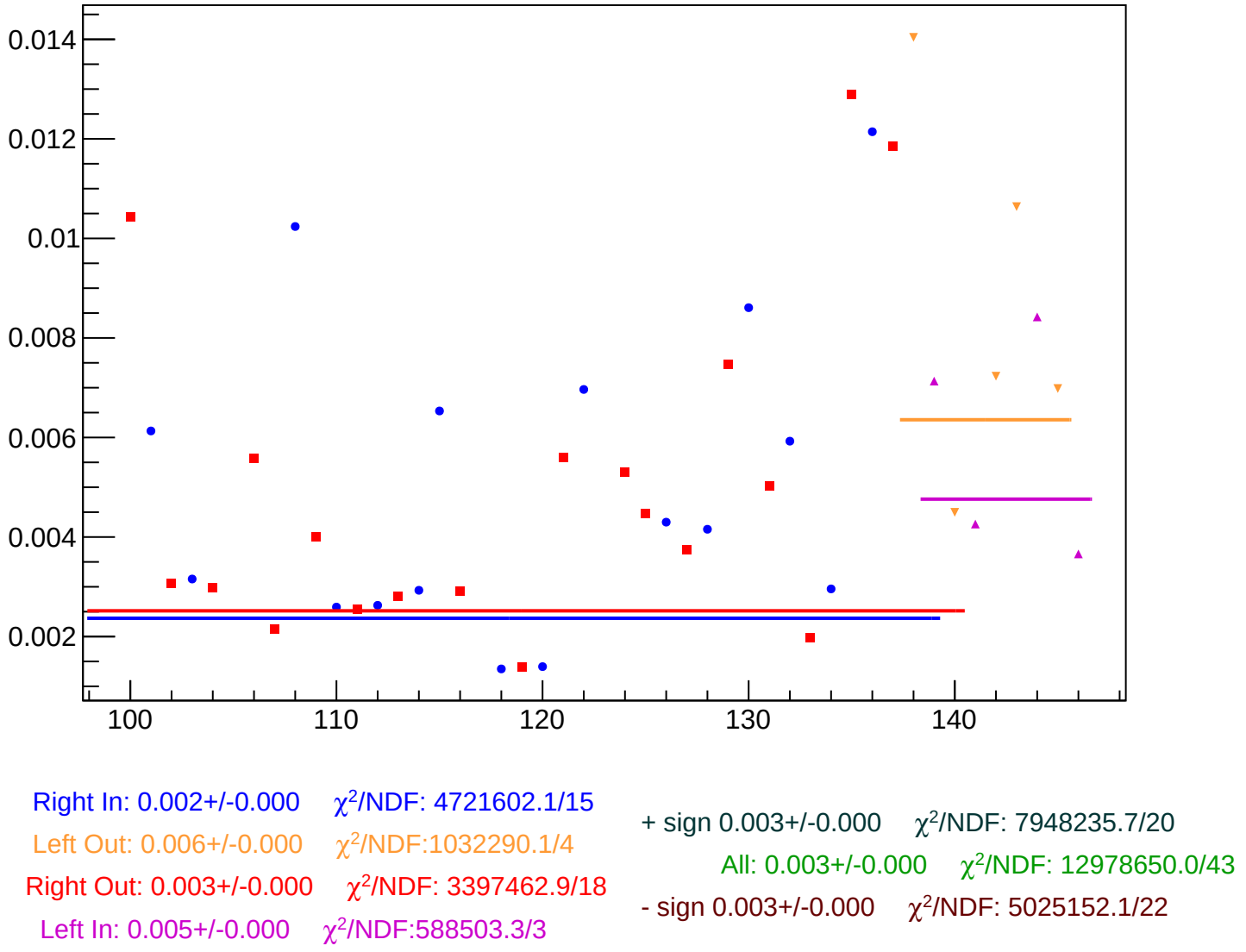
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

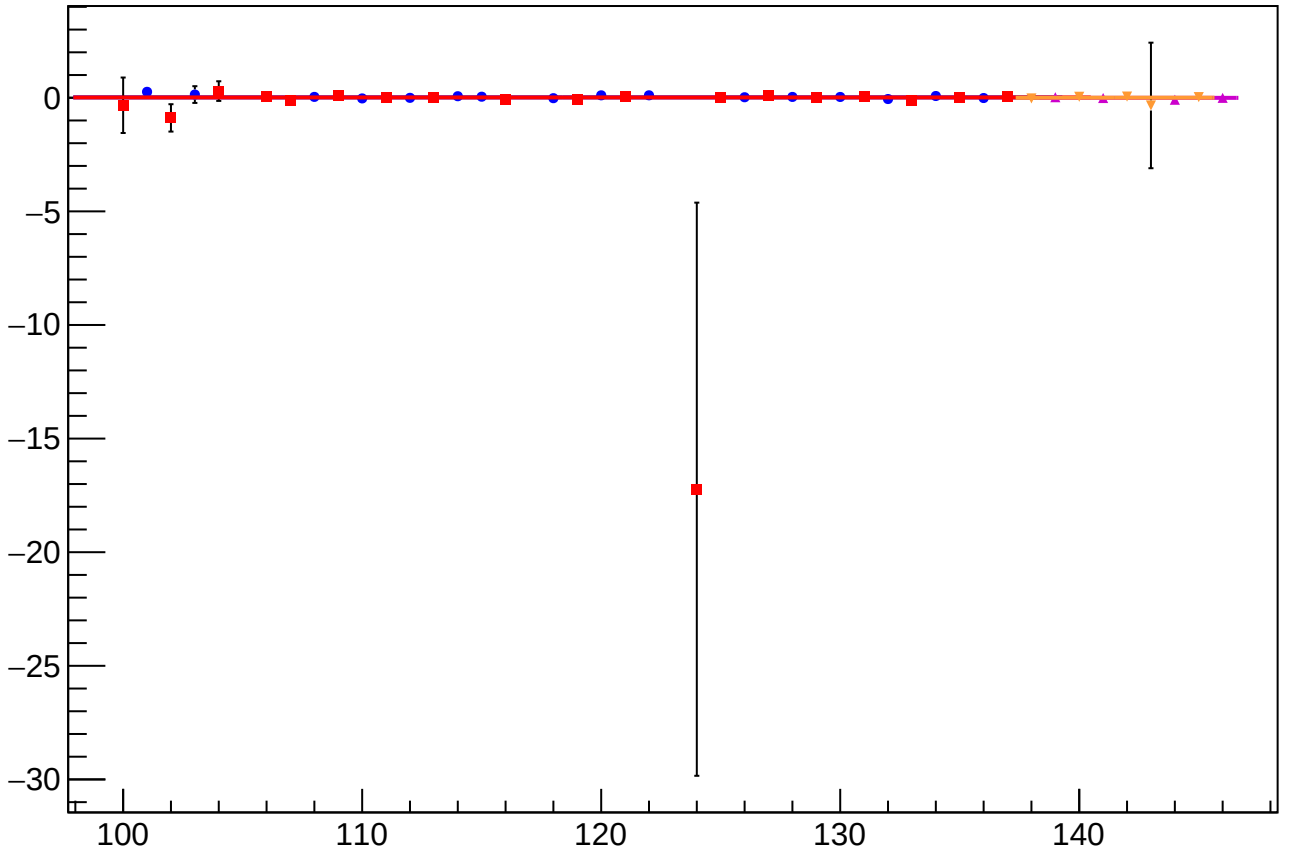
Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/20

All: 0.000+/-0.000 χ^2/NDF: 43.1/43

- sign -0.000+/-0.000 χ^2/NDF: 19.5/22


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
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.006+/-0.000 χ²/NDF:1032290.1/4
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.005+/-0.000 χ²/NDF:588503.3/3
+ sign 0.003+/-0.000 χ²/NDF: 7948235.7/20
All: 0.003+/-0.000 χ²/NDF: 12978650.0/43
- sign 0.003+/-0.000 χ²/NDF: 5025152.1/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

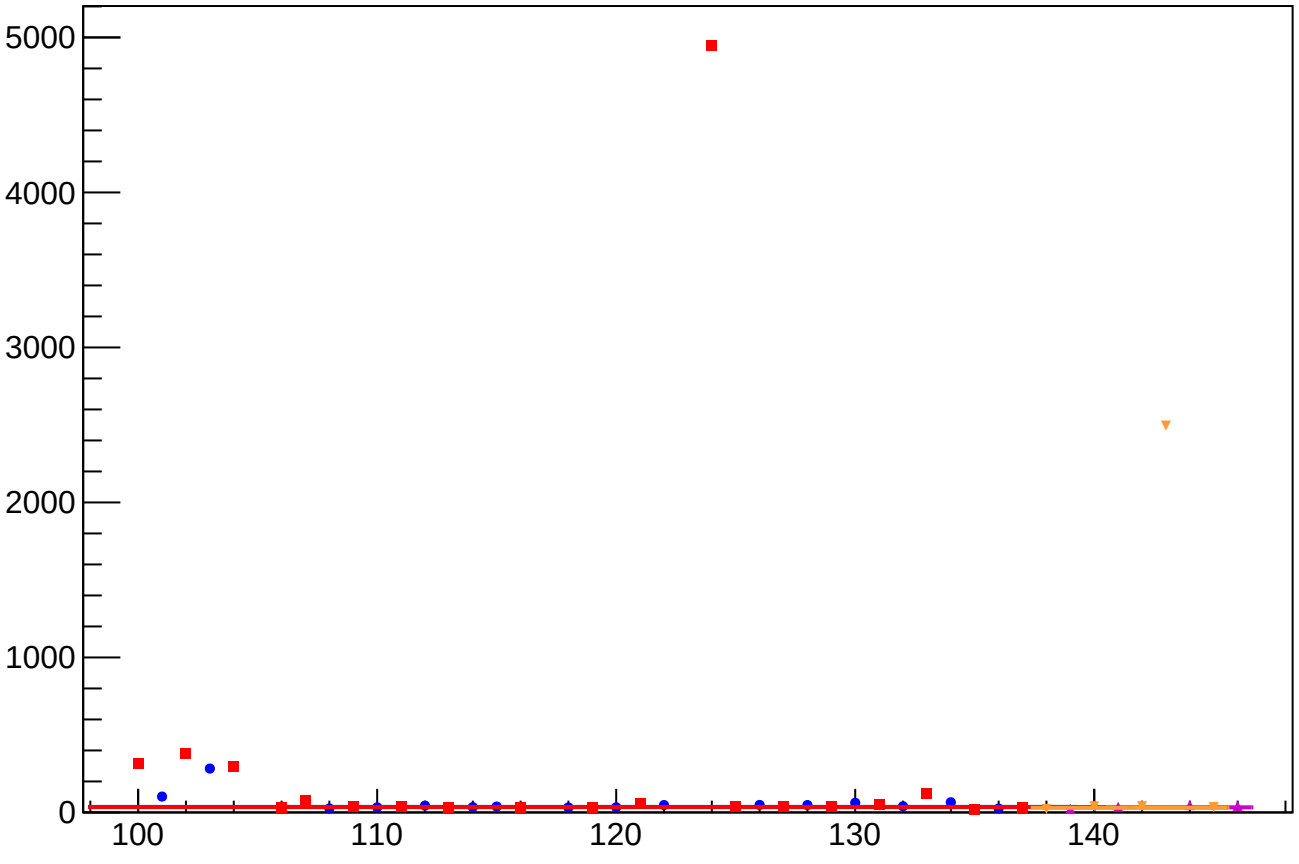
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.009+/-0.009 χ^2/NDF: 34.9/43

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 29.892+/-0.014 χ^2/NDF:1895152.8/4

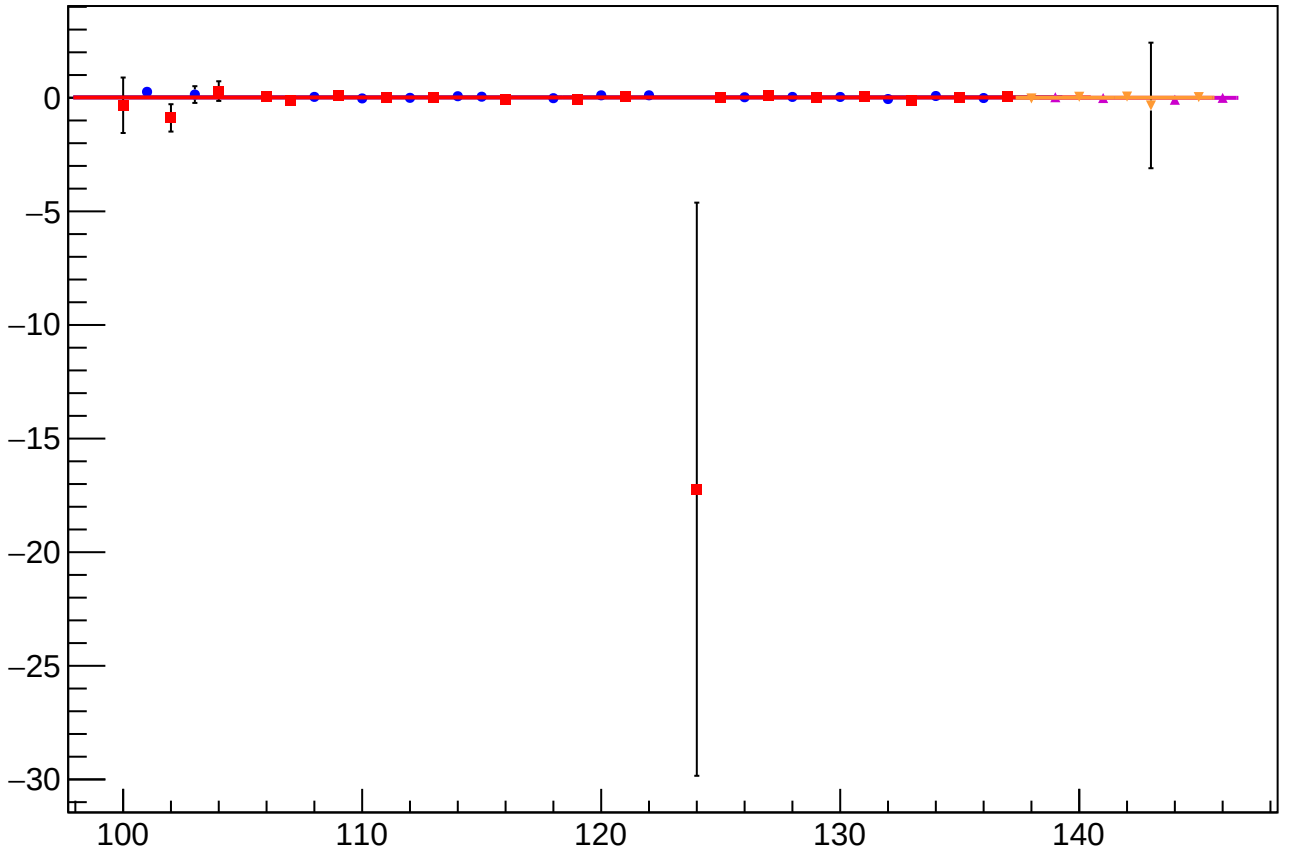
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

+ sign 33.532+/-0.009 χ^2/NDF: 4268145.6/20

All: 33.851+/-0.006 χ^2/NDF: 7650063.2/43

- sign 34.177+/-0.009 χ^2/NDF: 3379141.2/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

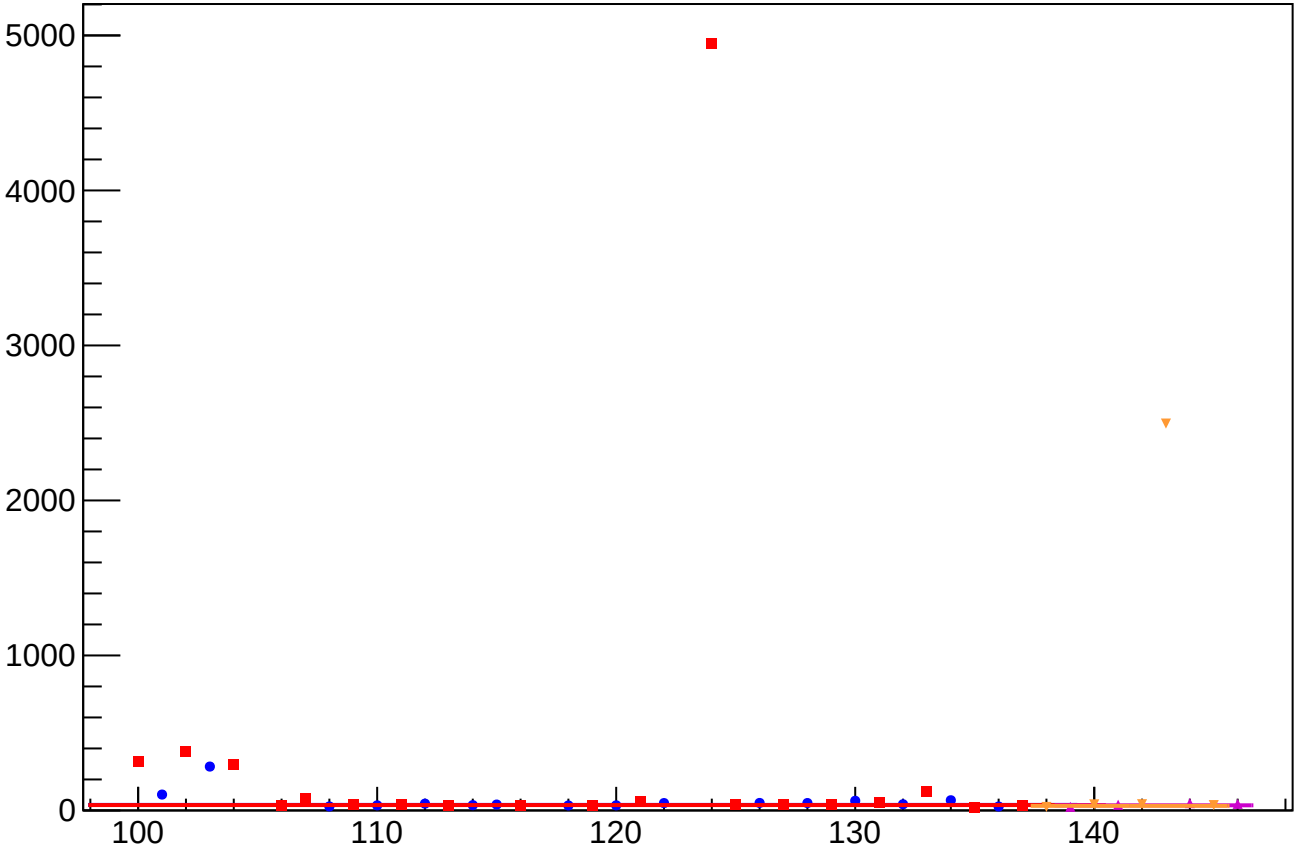
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.009+/-0.009 χ^2/NDF: 34.9/43

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 29.892+/-0.014 χ^2/NDF:1895152.8/4

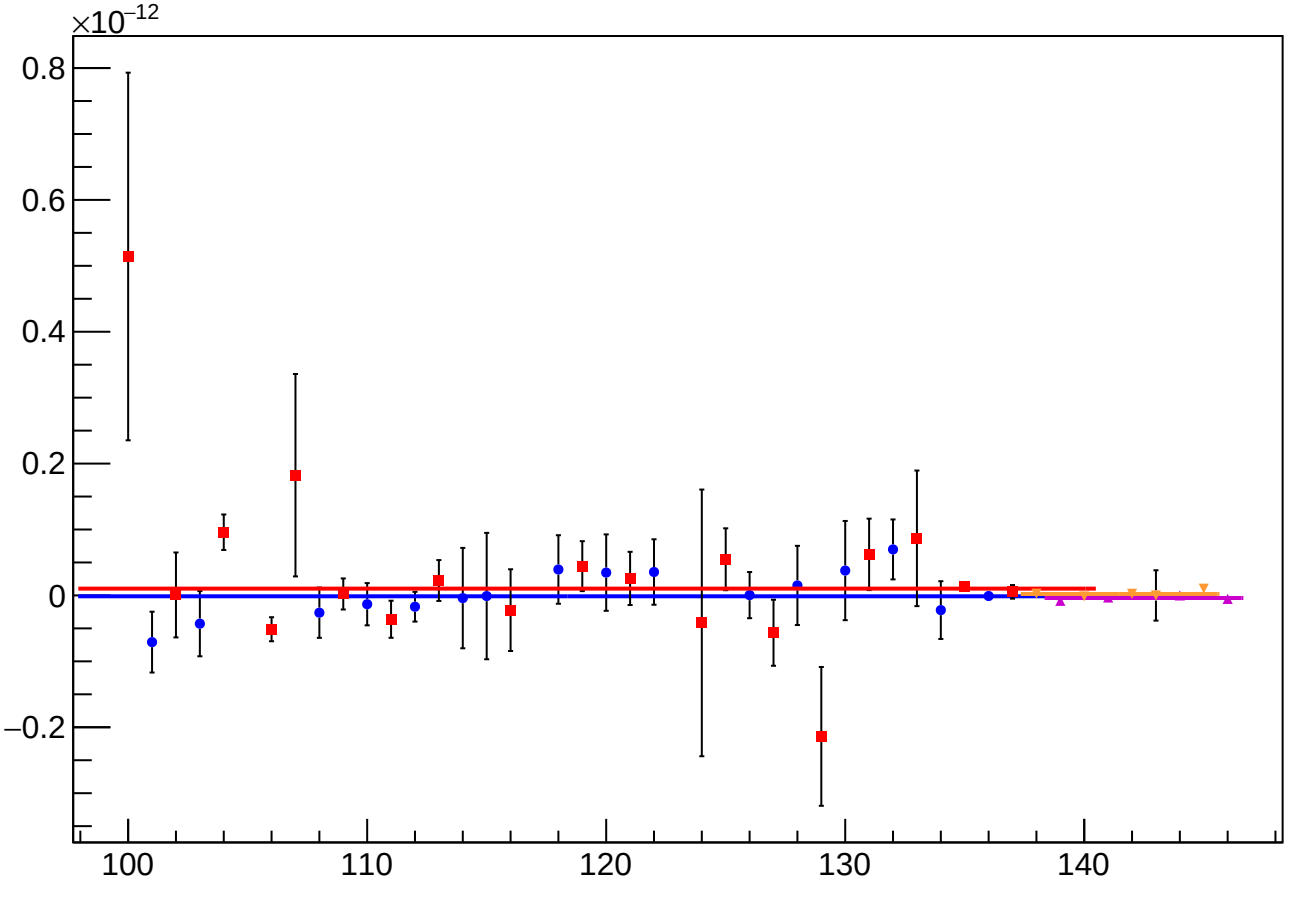
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

+ sign 33.532+/-0.009 χ^2/NDF: 4268145.6/20

All: 33.851+/-0.006 χ^2/NDF: 7650063.2/43

- sign 34.177+/-0.009 χ^2/NDF: 3379141.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

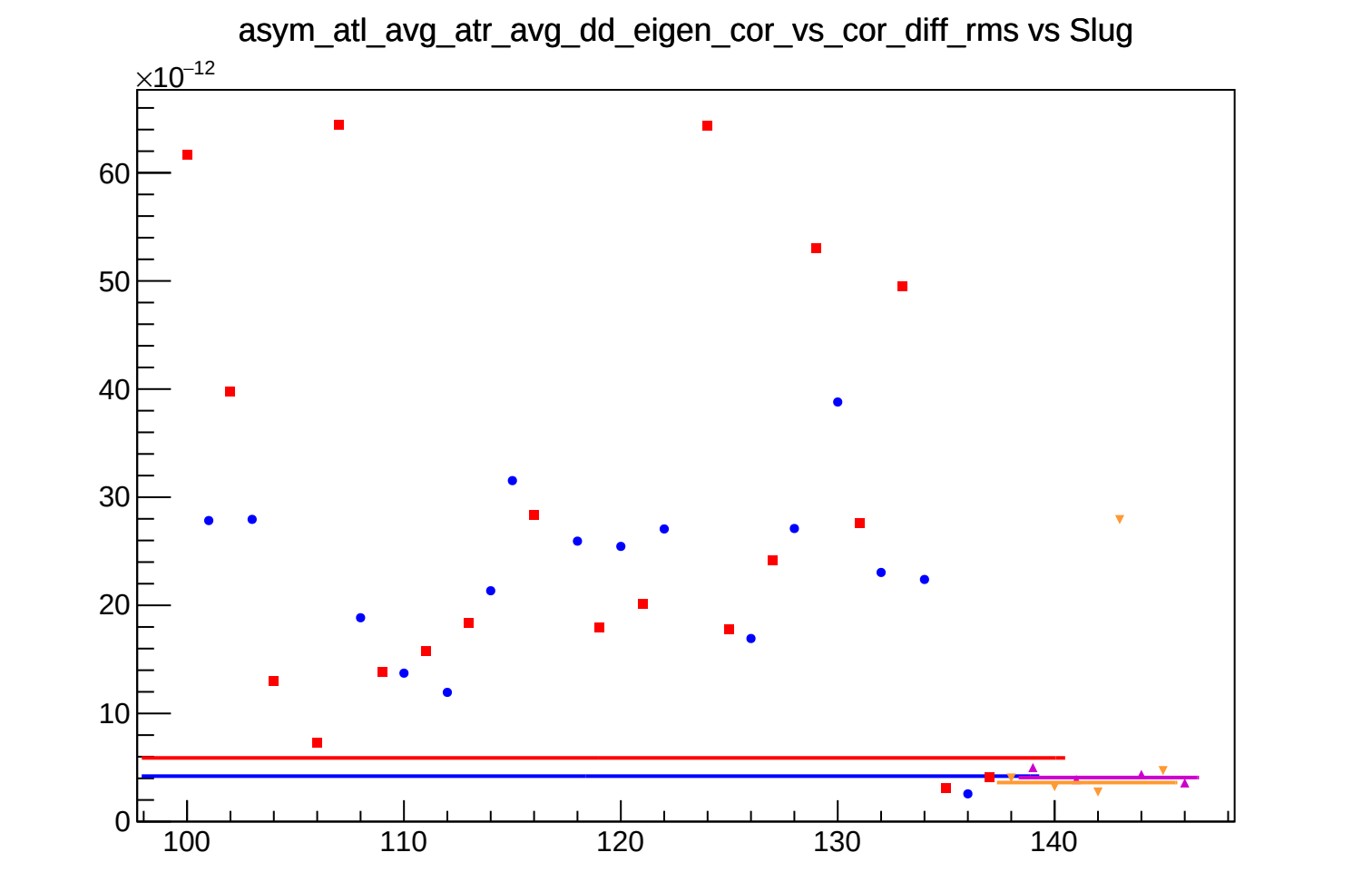
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 11.7/20

All: 0.000+/-0.000 χ^2/NDF: 60.9/43

- sign 0.000+/-0.000 χ^2/NDF: 49.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:958016.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

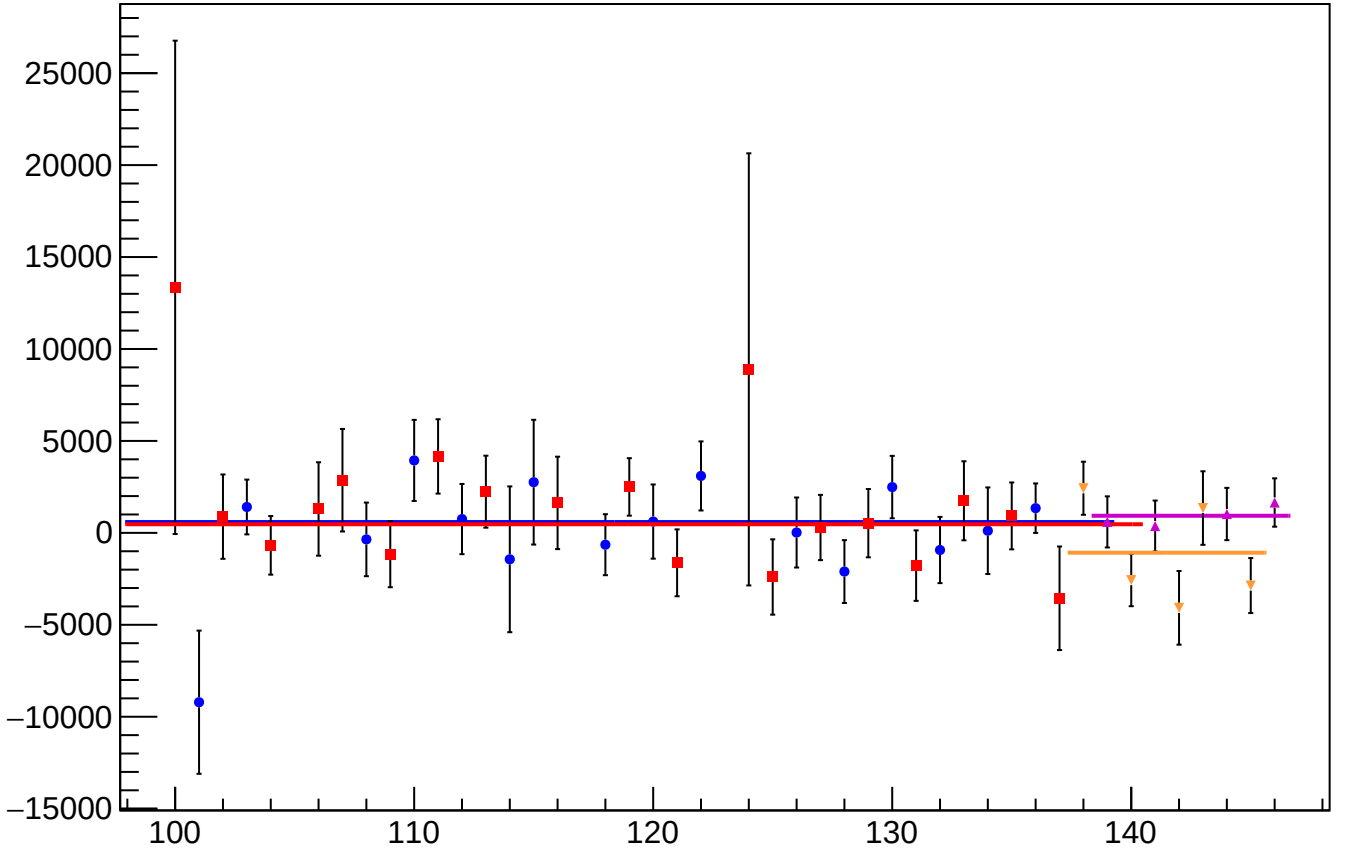
Left In: 0.000+/-0.000 χ^2/NDF:68650.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 6077156.7/20

All: 0.000+/-0.000 χ^2/NDF: 11407794.4/43

- sign 0.000+/-0.000 χ^2/NDF: 5198653.6/22

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.472+/-721.142 χ^2/NDF:12.1/4

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

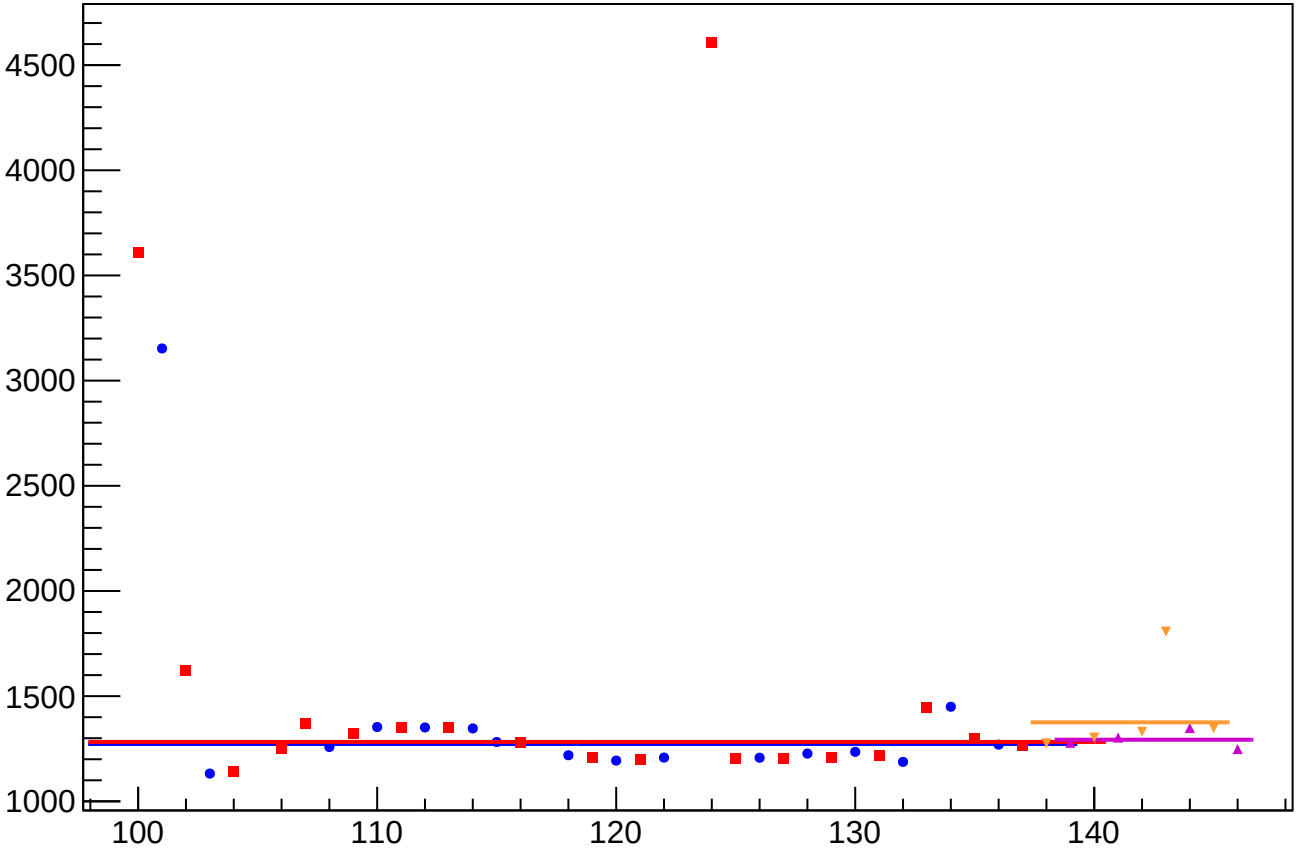
Left In: 930.335+/-688.021 χ^2/NDF:0.5/3

+ sign 72.344+/-400.979 χ^2/NDF: 32.9/20

All: 351.146+/-281.017 χ^2/NDF: 51.5/43

- sign 620.258+/-393.949 χ^2/NDF: 17.7/22

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

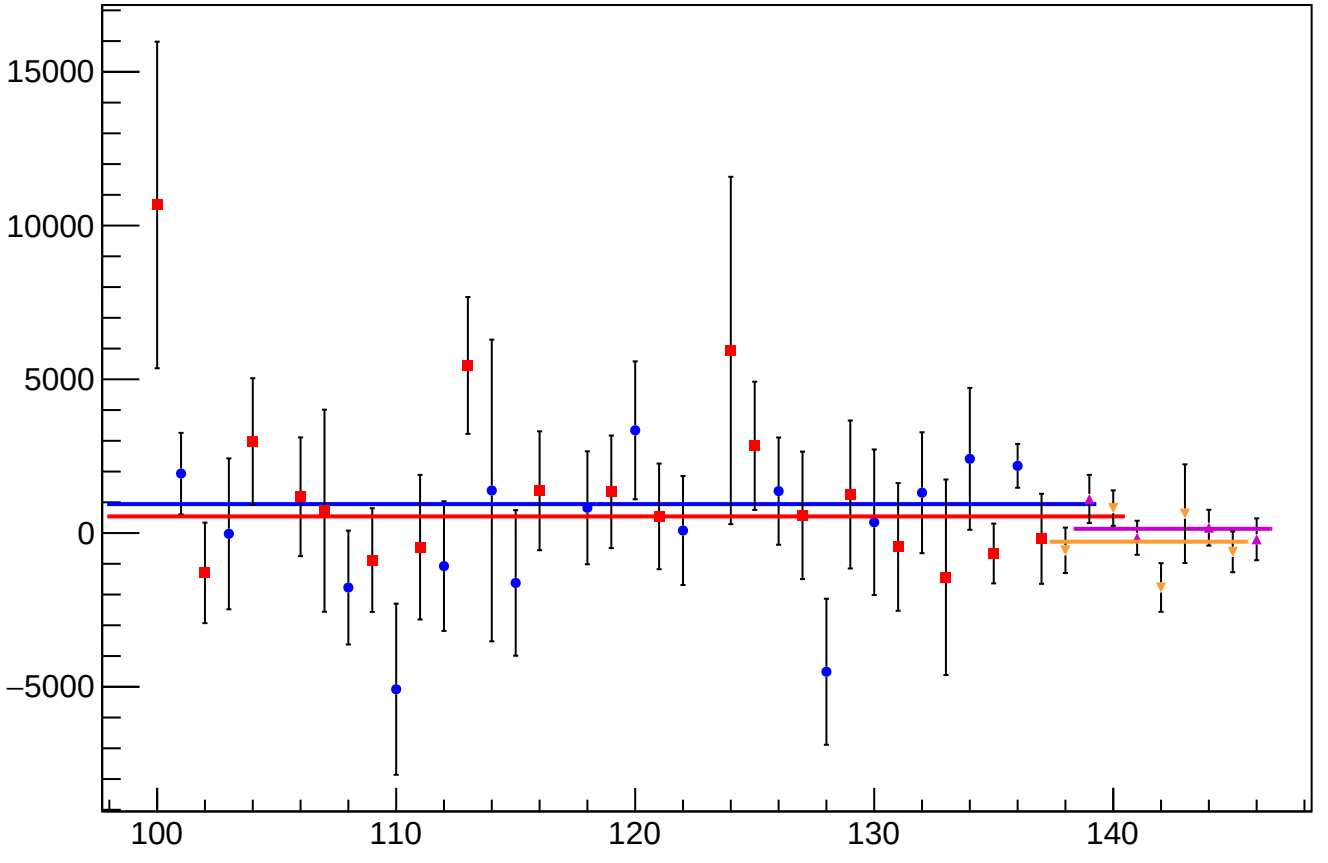
Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1304.557+/-0.284 χ^2/NDF: 656902.2/20

All: 1295.019+/-0.199 χ^2/NDF: 987189.8/43

- sign 1285.812+/-0.279 χ^2/NDF: 328063.5/22

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -281.339+/-331.499 χ^2/NDF:7.8/4

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

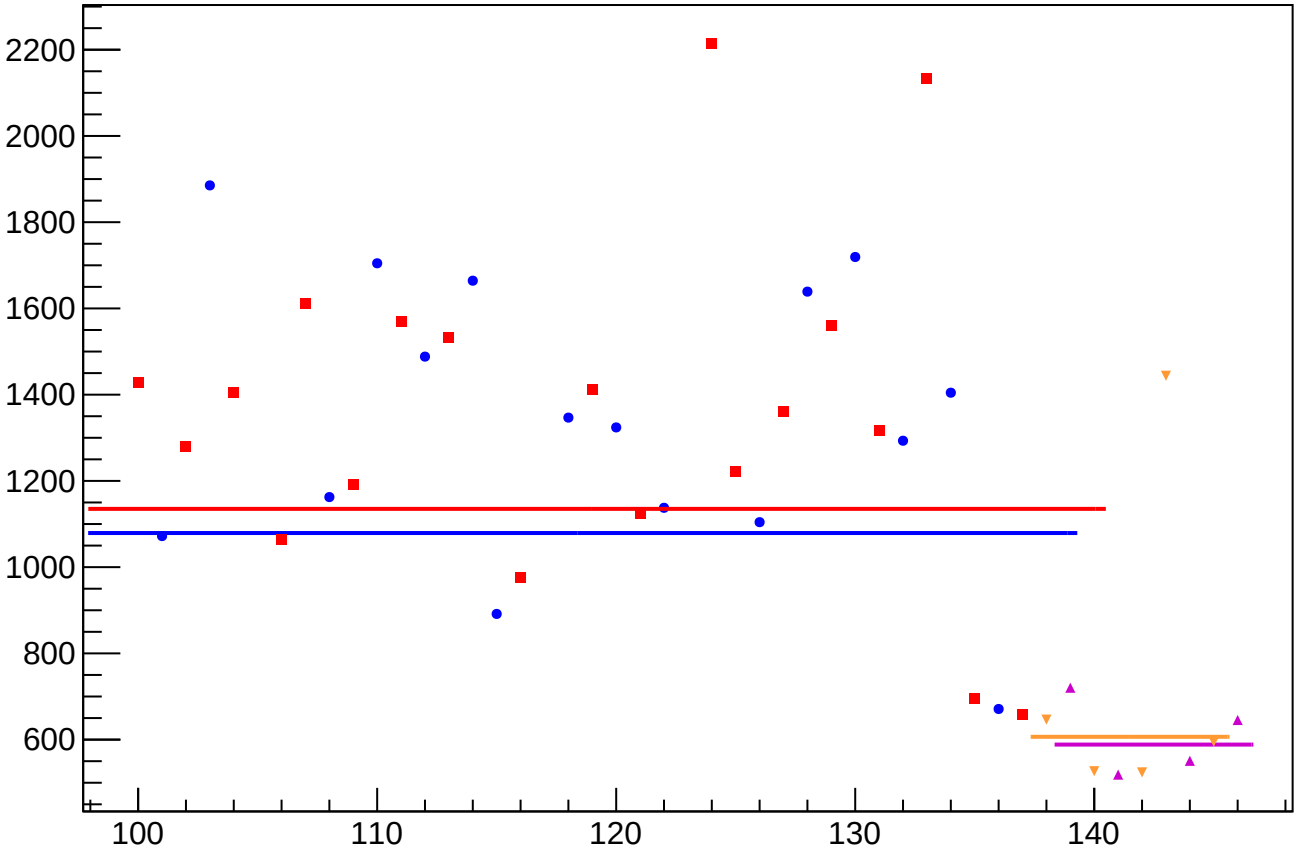
Left In: 138.037+/-316.509 χ^2/NDF:2.1/3

+ sign 180.182+/-261.582 χ^2/NDF: 32.9/20

All: 228.626+/-183.296 χ^2/NDF: 52.7/43

- sign 275.357+/-256.919 χ^2/NDF: 19.8/22

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: 606.541+/-0.234 χ^2/NDF:611893.3/4

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

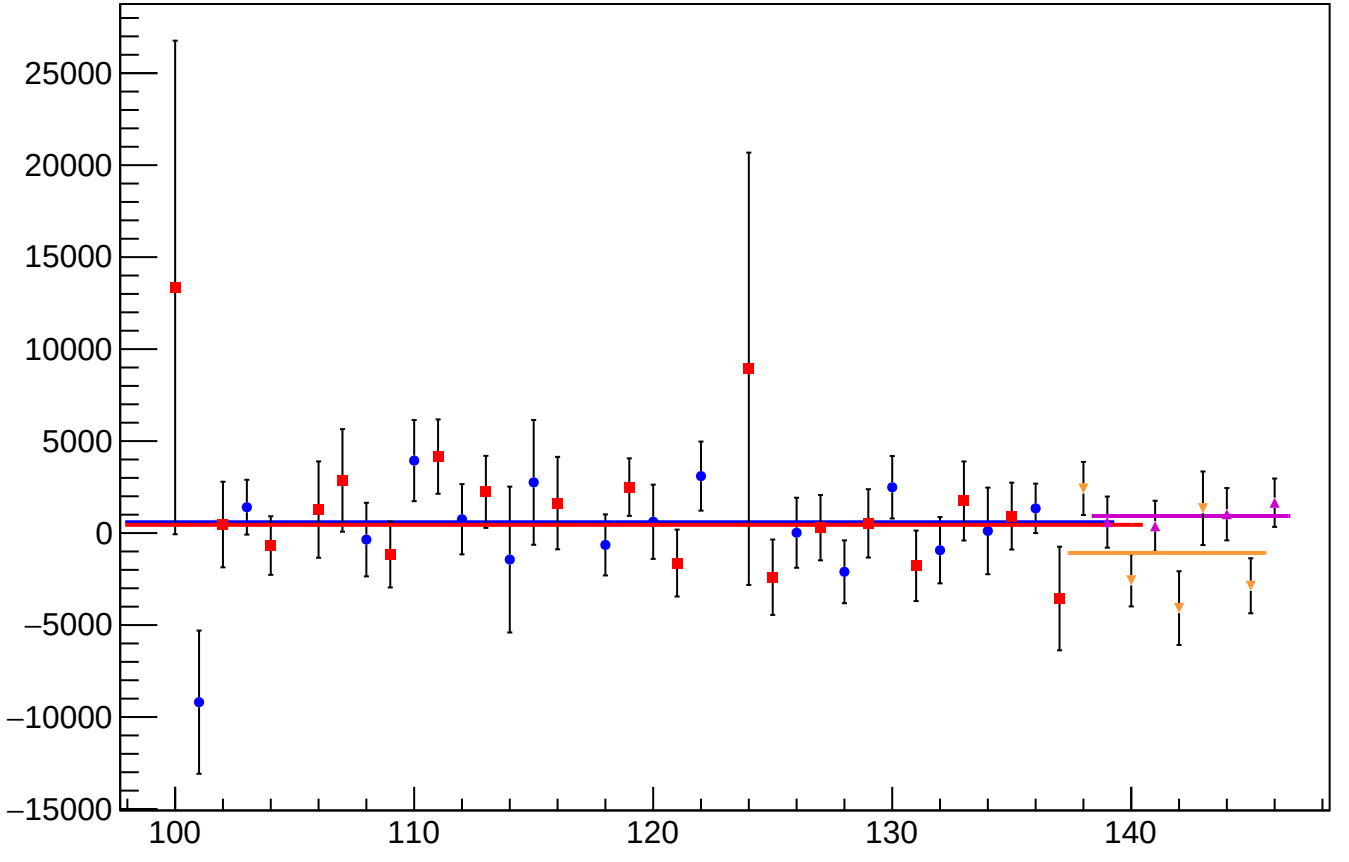
Left In: 588.492+/-0.224 χ^2/NDF:110559.1/3

+ sign 784.863+/-0.185 χ^2/NDF: 3627841.4/20

All: 779.822+/-0.130 χ^2/NDF: 7068028.3/43

- sign 774.959+/-0.182 χ^2/NDF: 3438727.5/22

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

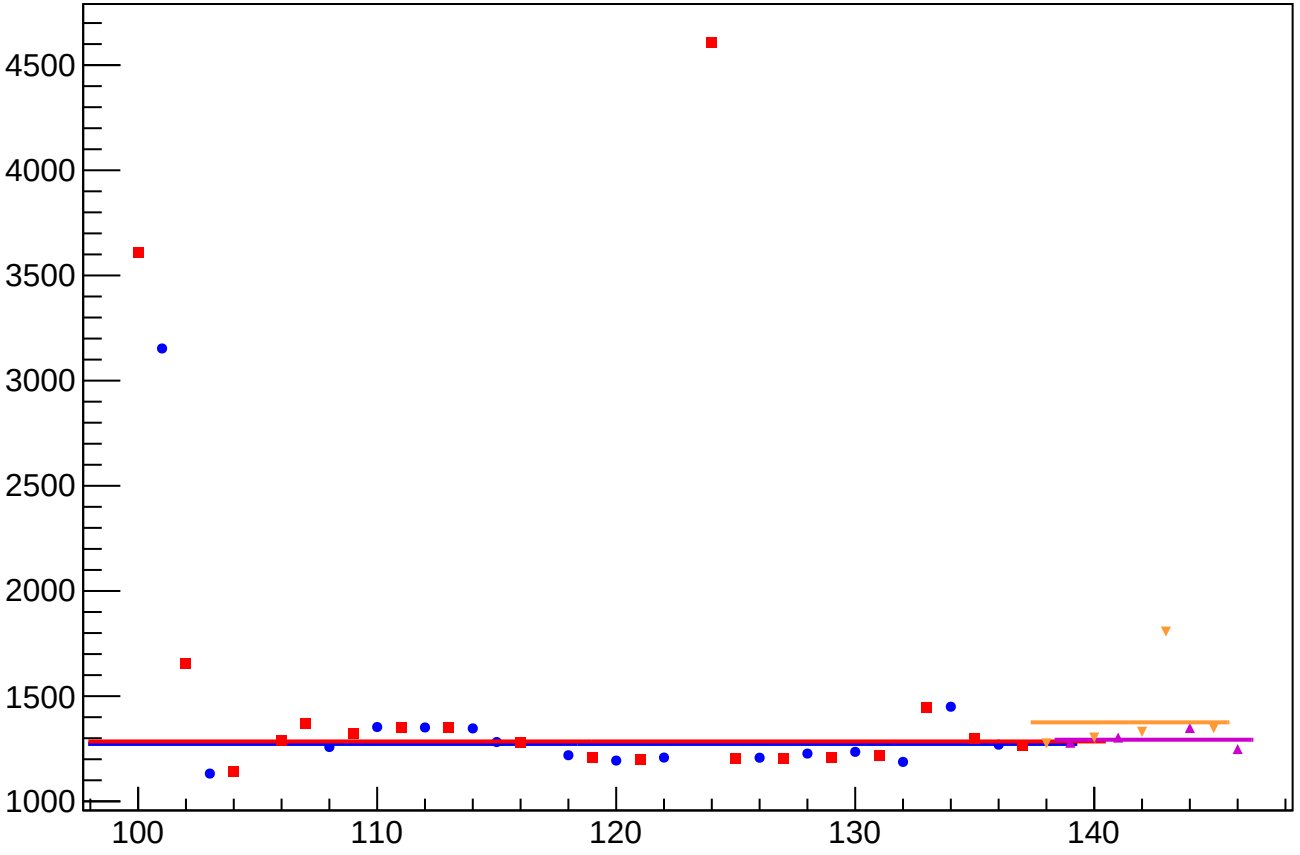
Left In: 930.296+/-688.021 χ^2/NDF:0.5/3

+ sign 72.530+/-400.979 χ^2/NDF: 32.9/20

All: 344.064+/-281.180 χ^2/NDF: 51.4/43

- sign 606.759+/-394.399 χ^2/NDF: 17.7/22

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

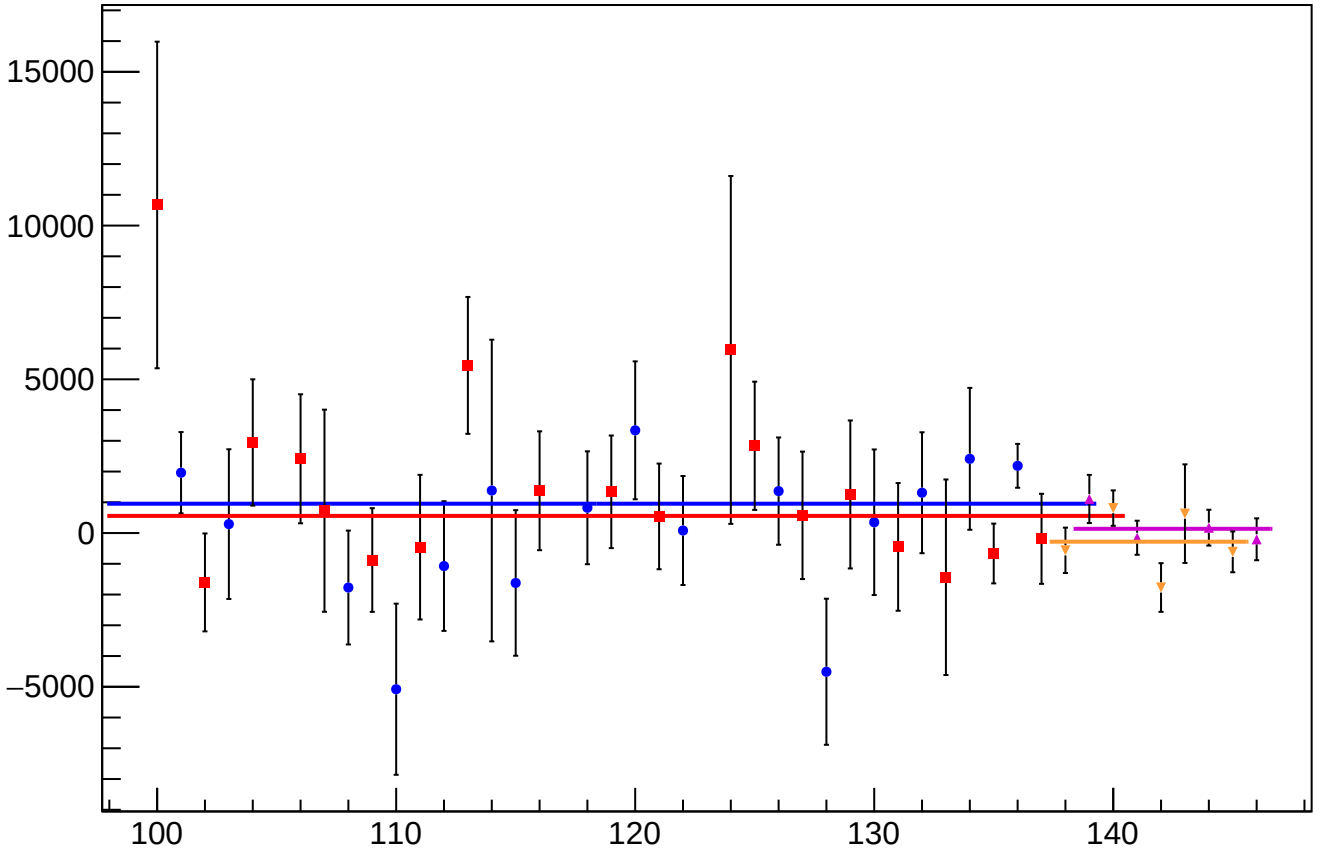
Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1304.557+/-0.284 χ^2/NDF: 656903.7/20

All: 1295.814+/-0.199 χ^2/NDF: 993372.0/43

- sign 1287.357+/-0.279 χ^2/NDF: 334597.8/22

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

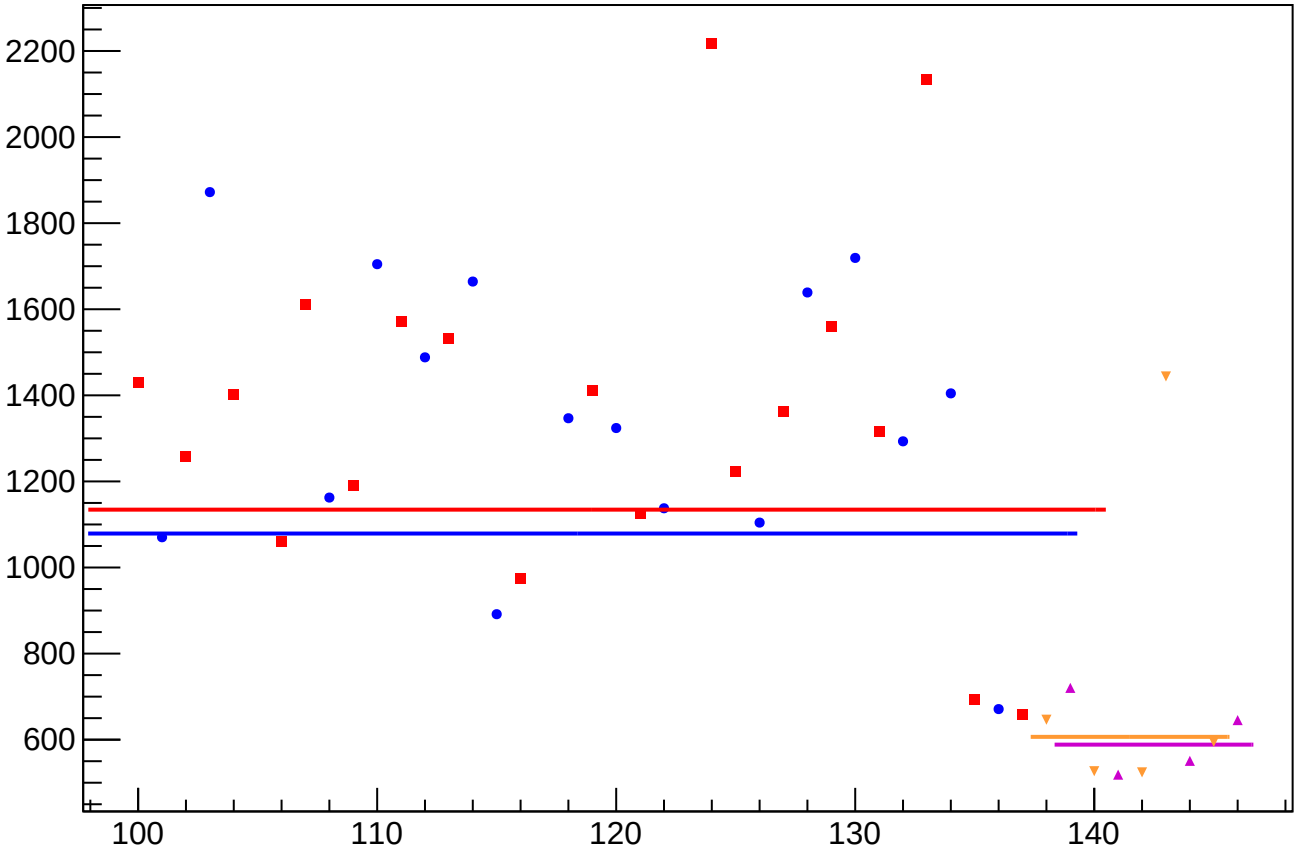
Left In: 138.093+/-316.505 χ^2/NDF:2.1/3

+ sign 185.139+/-261.546 χ^2/NDF: 33.0/20

All: 233.859+/-183.344 χ^2/NDF: 54.1/43

- sign 280.932+/-257.087 χ^2/NDF: 21.0/22

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: 606.559+/-0.234 χ^2/NDF:611841.7/4

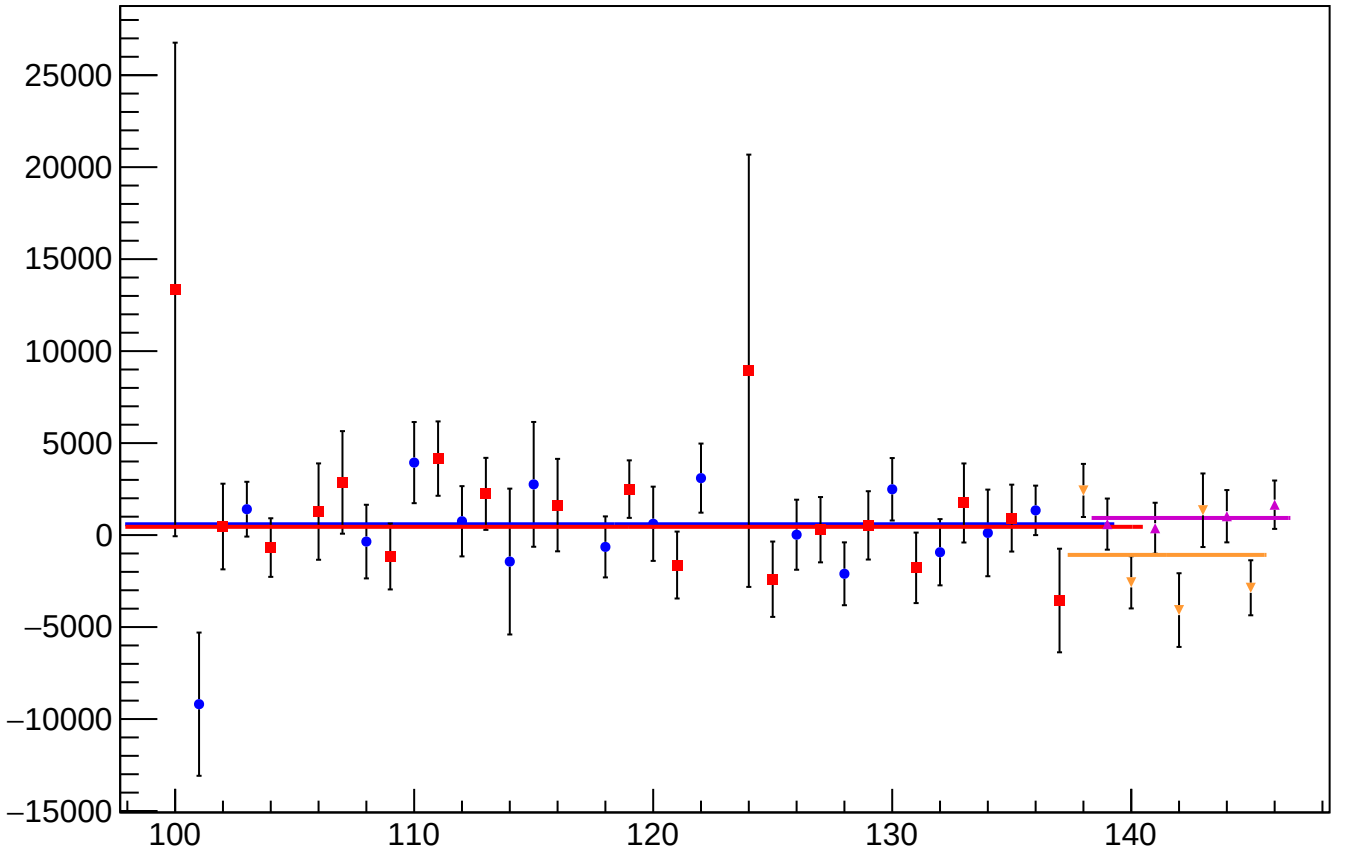
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

+ sign 784.901+/-0.185 χ^2/NDF: 3623703.1/20

All: 779.471+/-0.130 χ^2/NDF: 7049403.2/43

- sign 774.226+/-0.182 χ^2/NDF: 3424005.6/22



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

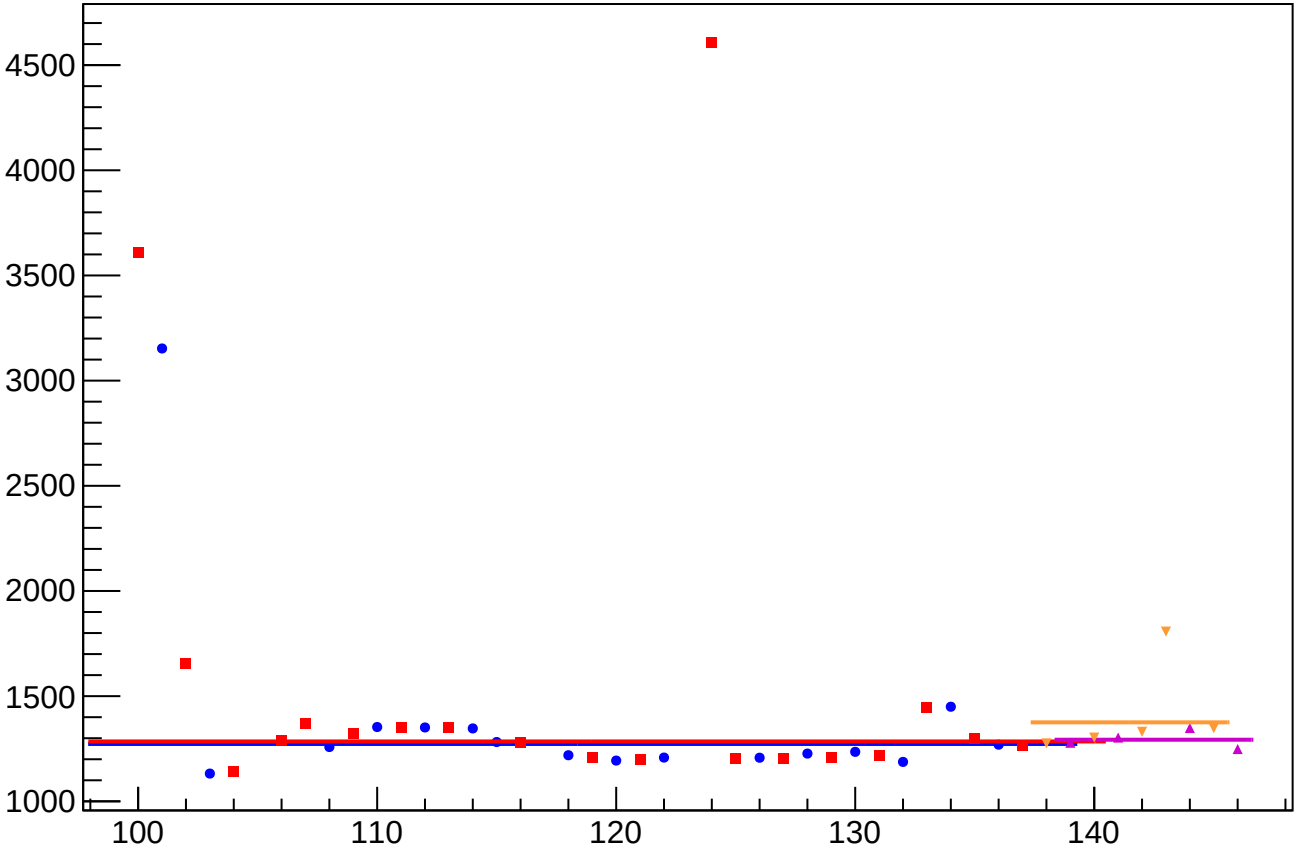
Left In: 930.296+/-688.021 χ^2/NDF:0.5/3

+ sign 72.530+/-400.979 χ^2/NDF: 32.9/20

All: 344.064+/-281.180 χ^2/NDF: 51.4/43

- sign 606.759+/-394.399 χ^2/NDF: 17.7/22

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: 1375.506+/-0.510 χ^2/NDF:109581.1/4

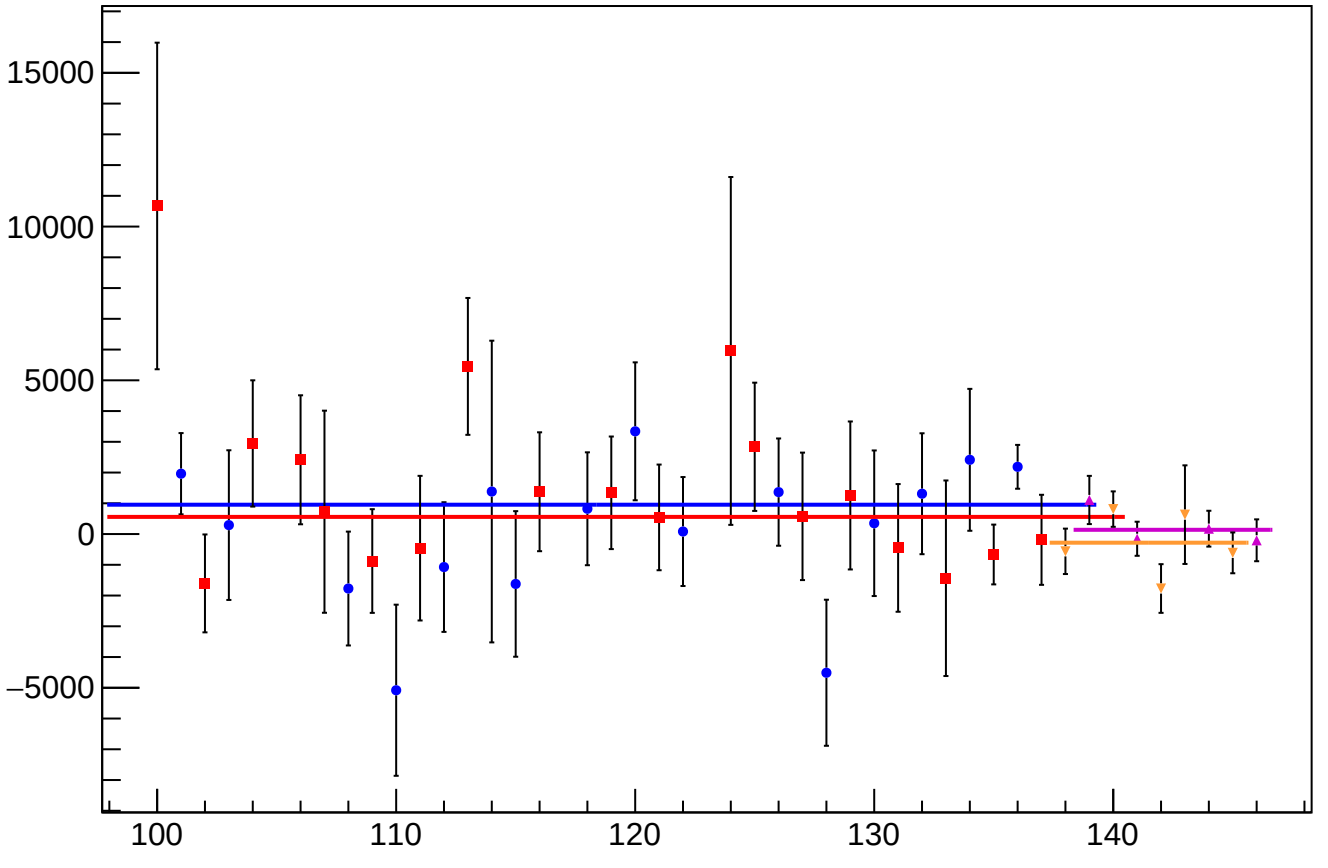
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1304.557+/-0.284 χ^2/NDF: 656903.7/20

All: 1295.814+/-0.199 χ^2/NDF: 993372.0/43

- sign 1287.357+/-0.279 χ^2/NDF: 334597.8/22



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

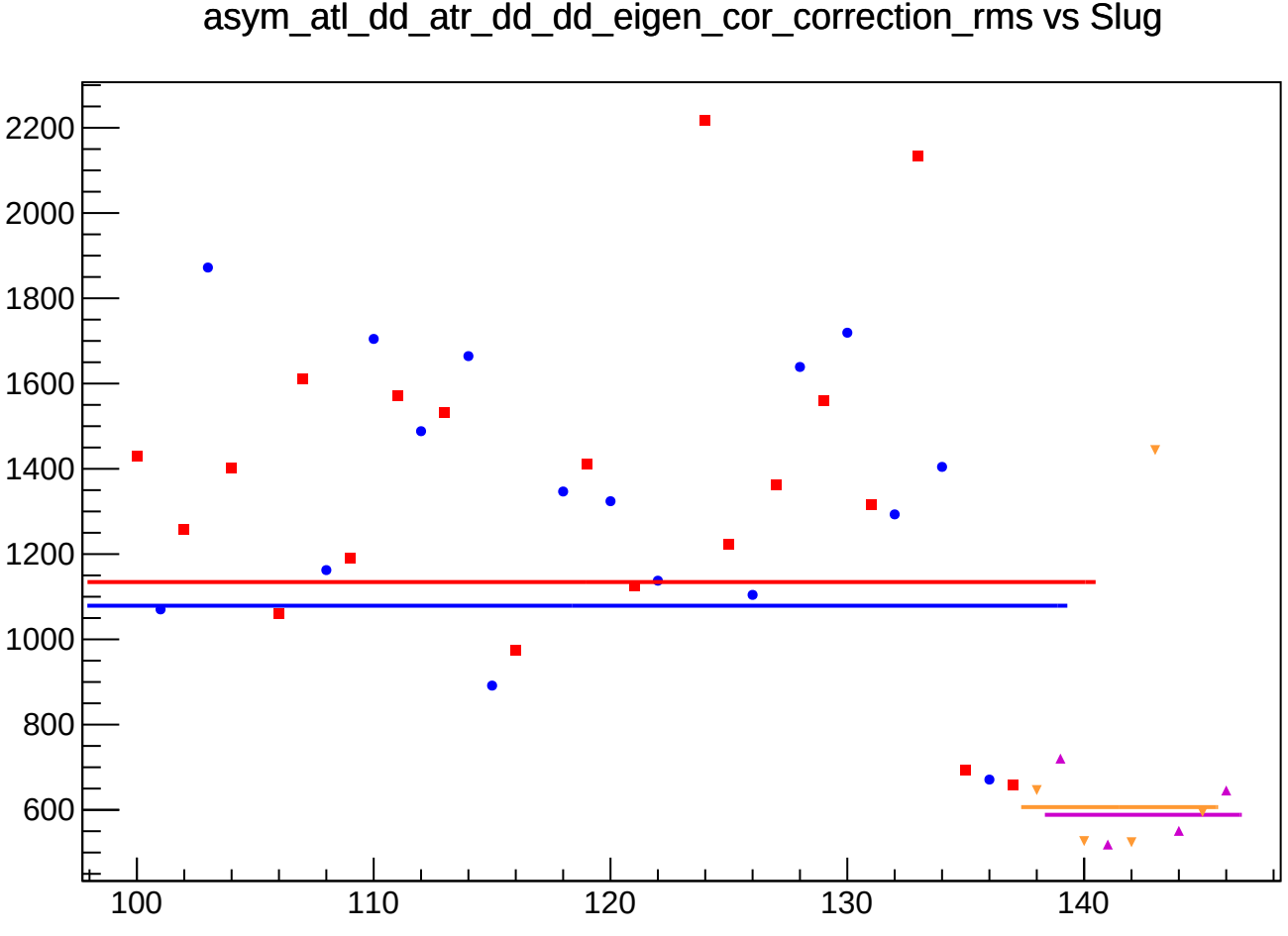
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 138.093+/-316.505 χ^2/NDF:2.1/3

+ sign 185.139+/-261.546 χ^2/NDF: 33.0/20

All: 233.859+/-183.344 χ^2/NDF: 54.1/43

- sign 280.932+/-257.087 χ^2/NDF: 21.0/22



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 606.559+/-0.234 χ^2/NDF:611841.7/4

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

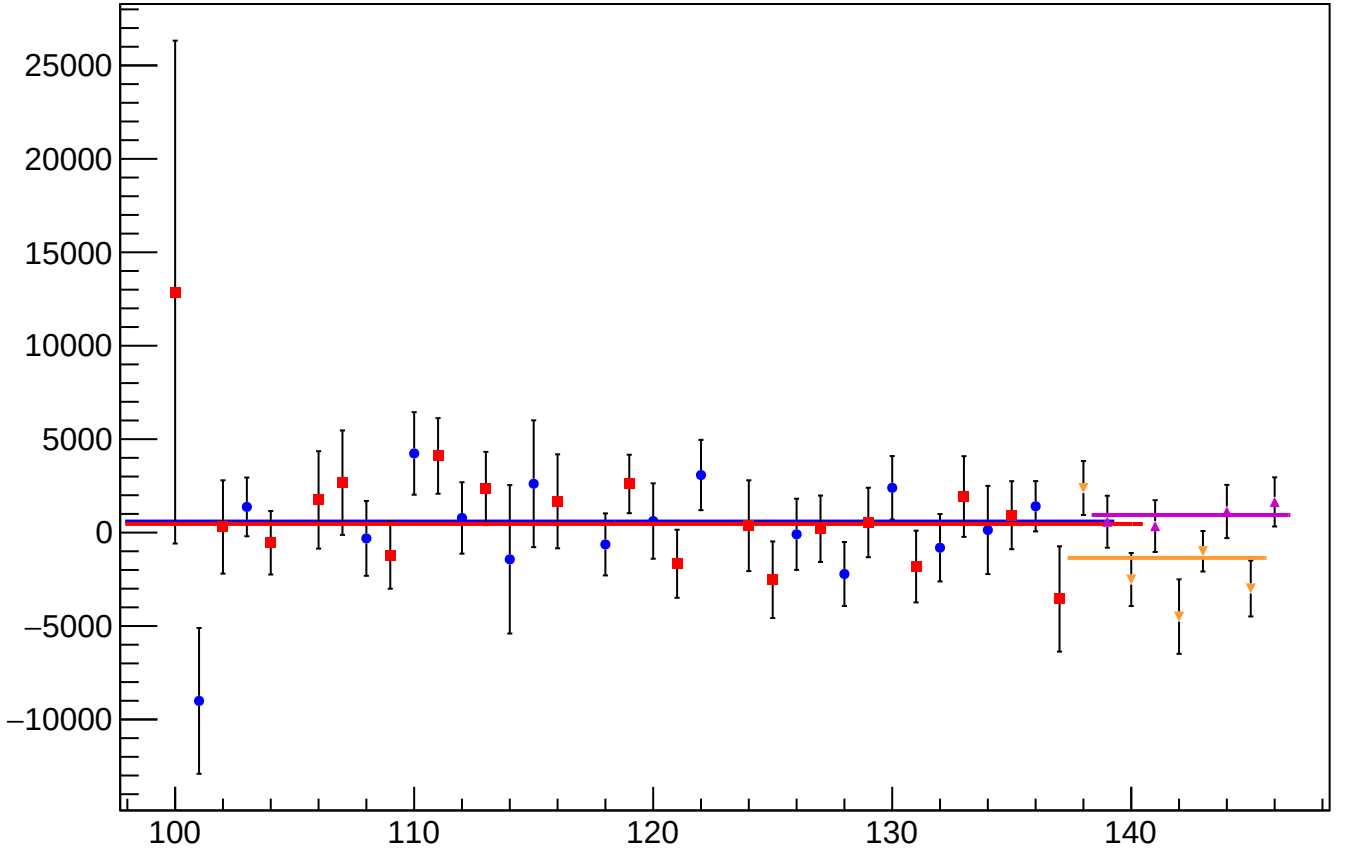
Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

+ sign 784.901+/-0.185 χ^2/NDF: 3623703.1/20

All: 779.471+/-0.130 χ^2/NDF: 7049403.2/43

- sign 774.226+/-0.182 χ^2/NDF: 3424005.6/22

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1353.965+/-629.441 χ^2/NDF:11.1/4

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

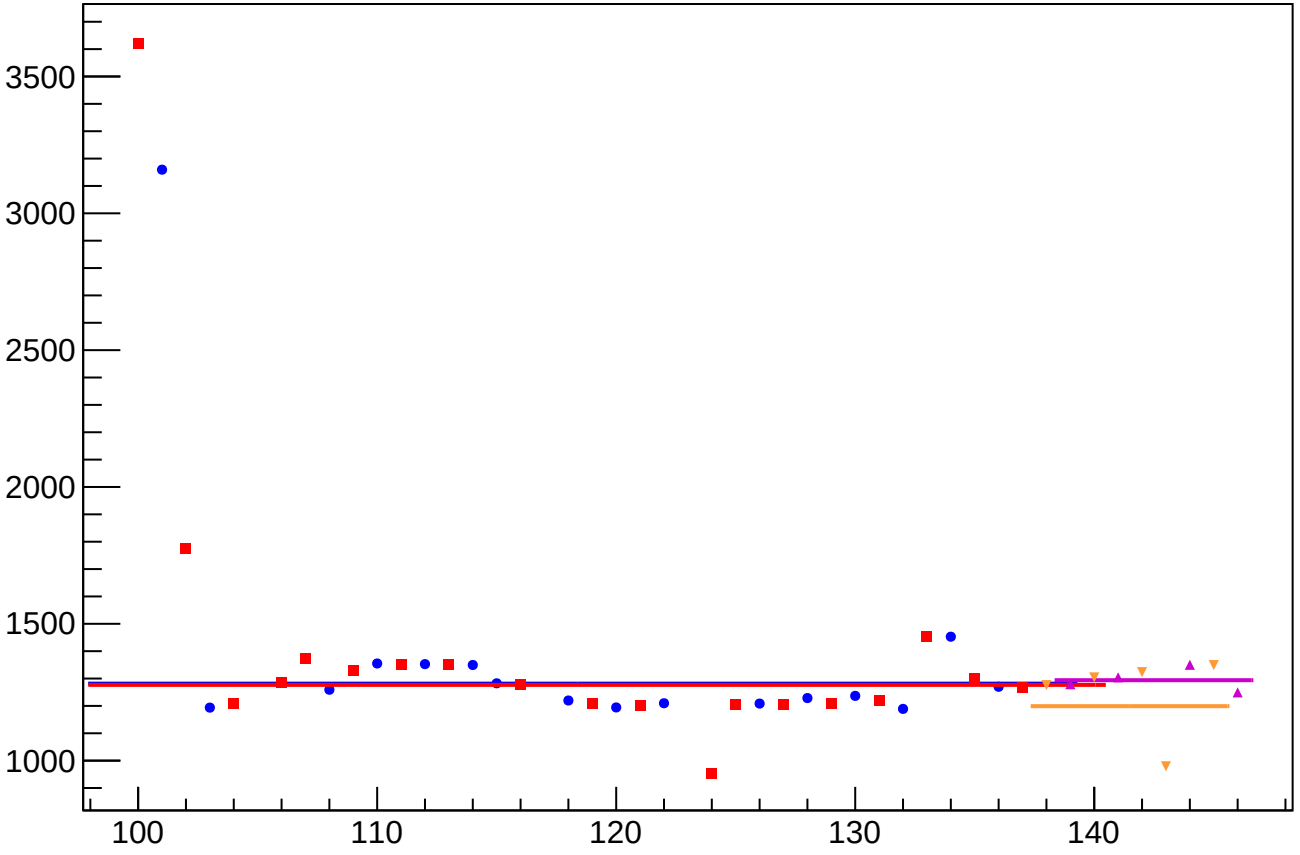
Left In: 942.900+/-688.596 χ^2/NDF:0.6/3

\+ sign -134.893+/-384.422 χ^2/NDF: 34.2/20

All: 234.333+/-274.466 χ^2/NDF: 53.7/43

\- sign 618.254+/-391.997 χ^2/NDF: 17.6/22

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1199.041+/-0.445 χ^2/NDF:126662.9/4

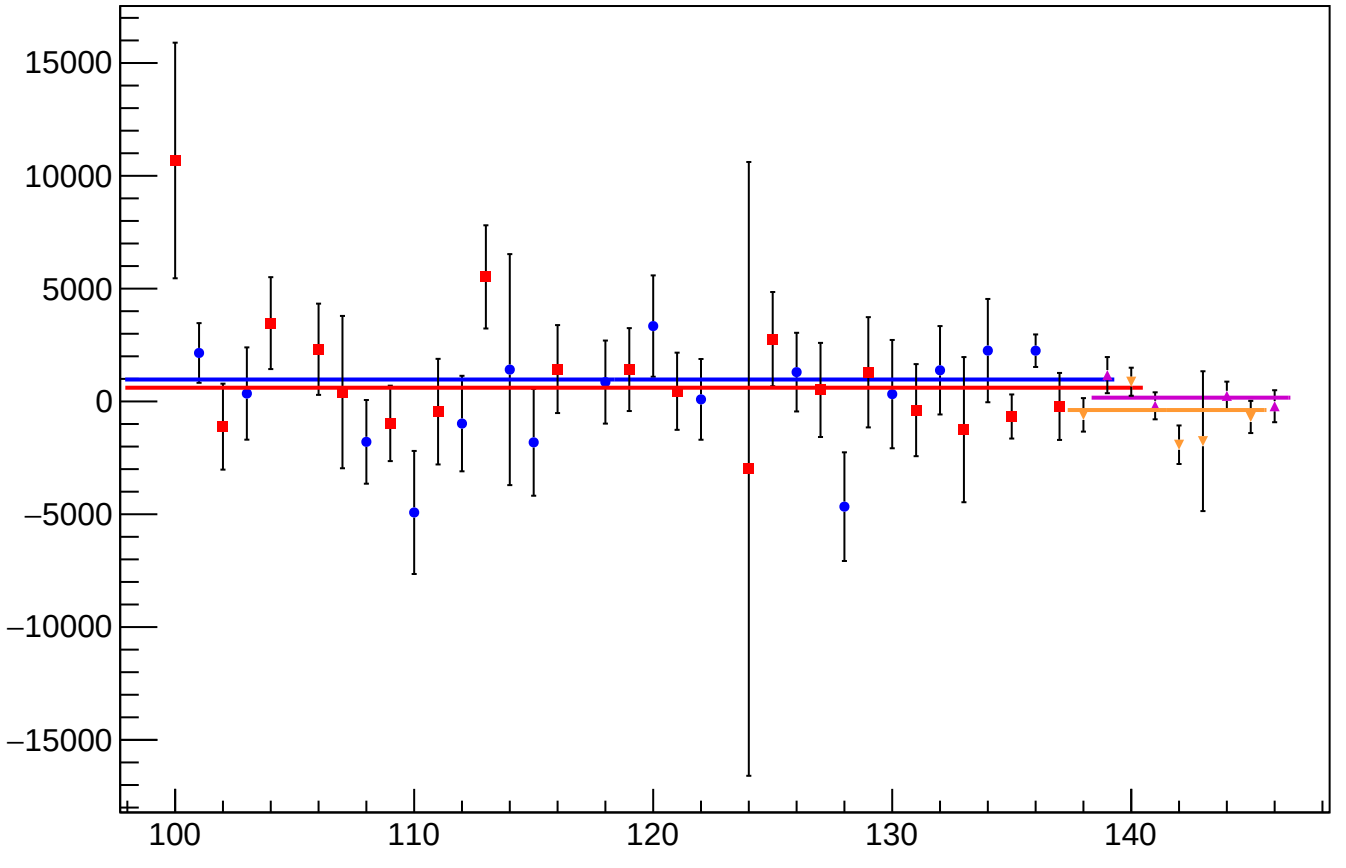
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

+ sign 1250.661+/-0.272 χ^2/NDF: 655194.1/20

All: 1266.219+/-0.194 χ^2/NDF: 888992.3/43

- sign 1282.397+/-0.277 χ^2/NDF: 227115.6/22



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -380.599+/-357.013 χ^2/NDF:7.8/4

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

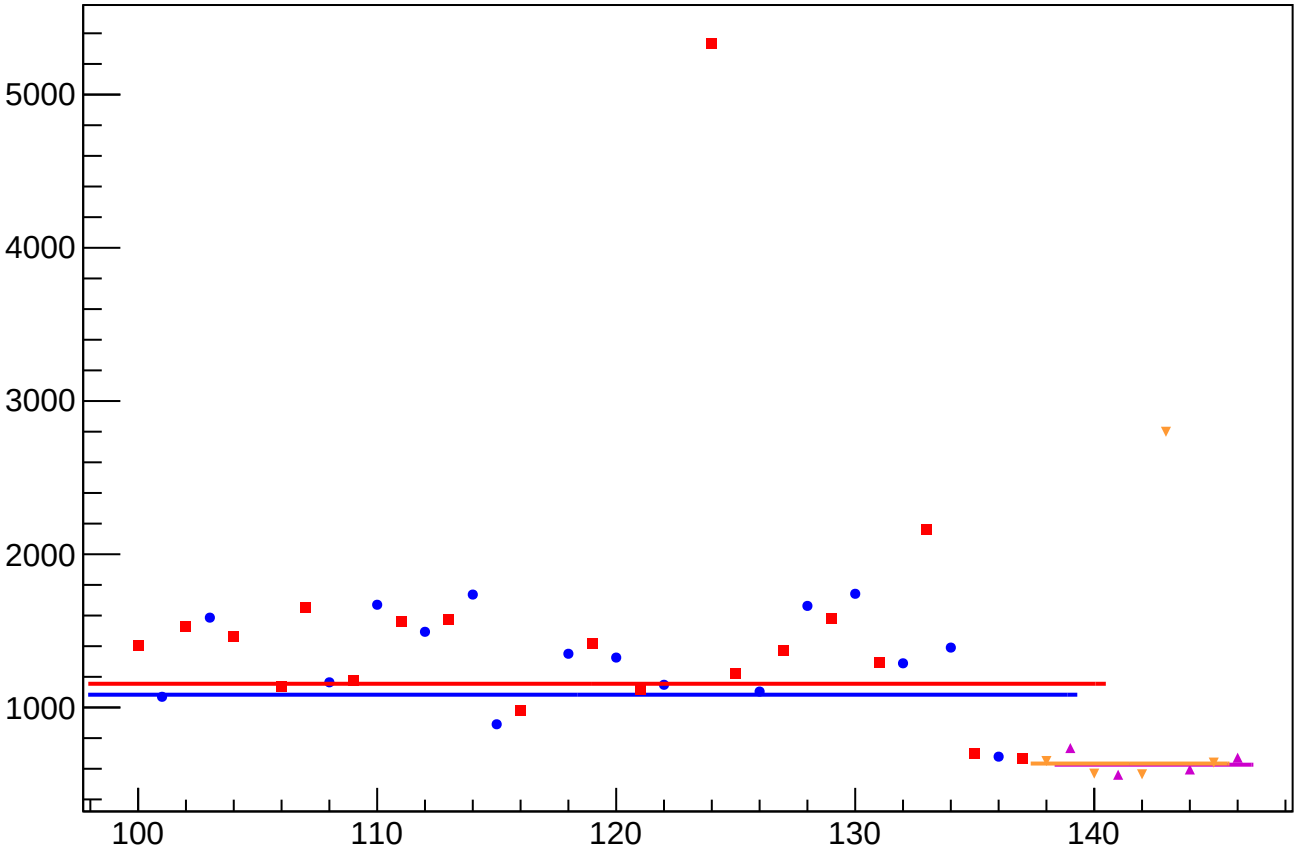
Left In: 167.395+/-335.989 χ^2/NDF:2.2/3

\+ sign 178.772+/-273.421 χ^2/NDF: 34.2/20

All: 253.802+/-191.660 χ^2/NDF: 54.3/43

\- sign 326.282+/-268.737 χ^2/NDF: 20.0/22

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 634.064+/-0.252 χ^2/NDF:1013459.5/4

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

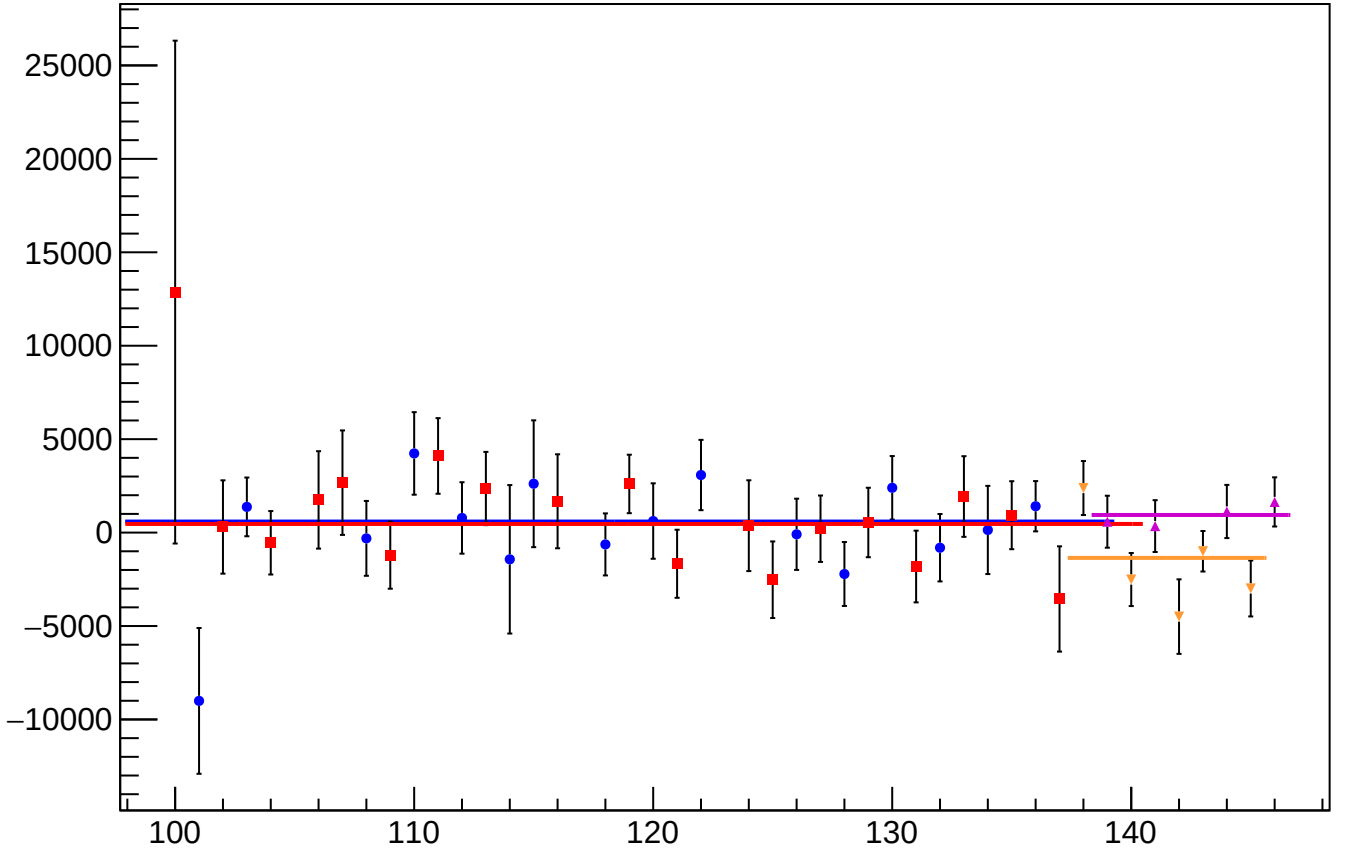
Left In: 626.529+/-0.238 χ^2/NDF:74001.9/3

+ sign 819.822+/-0.193 χ^2/NDF: 3683142.5/20

All: 818.293+/-0.136 χ^2/NDF: 7026242.8/43

- sign 816.816+/-0.190 χ^2/NDF: 3342977.4/22

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: -1353.966+/-629.441 χ^2/NDF:11.1/4

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

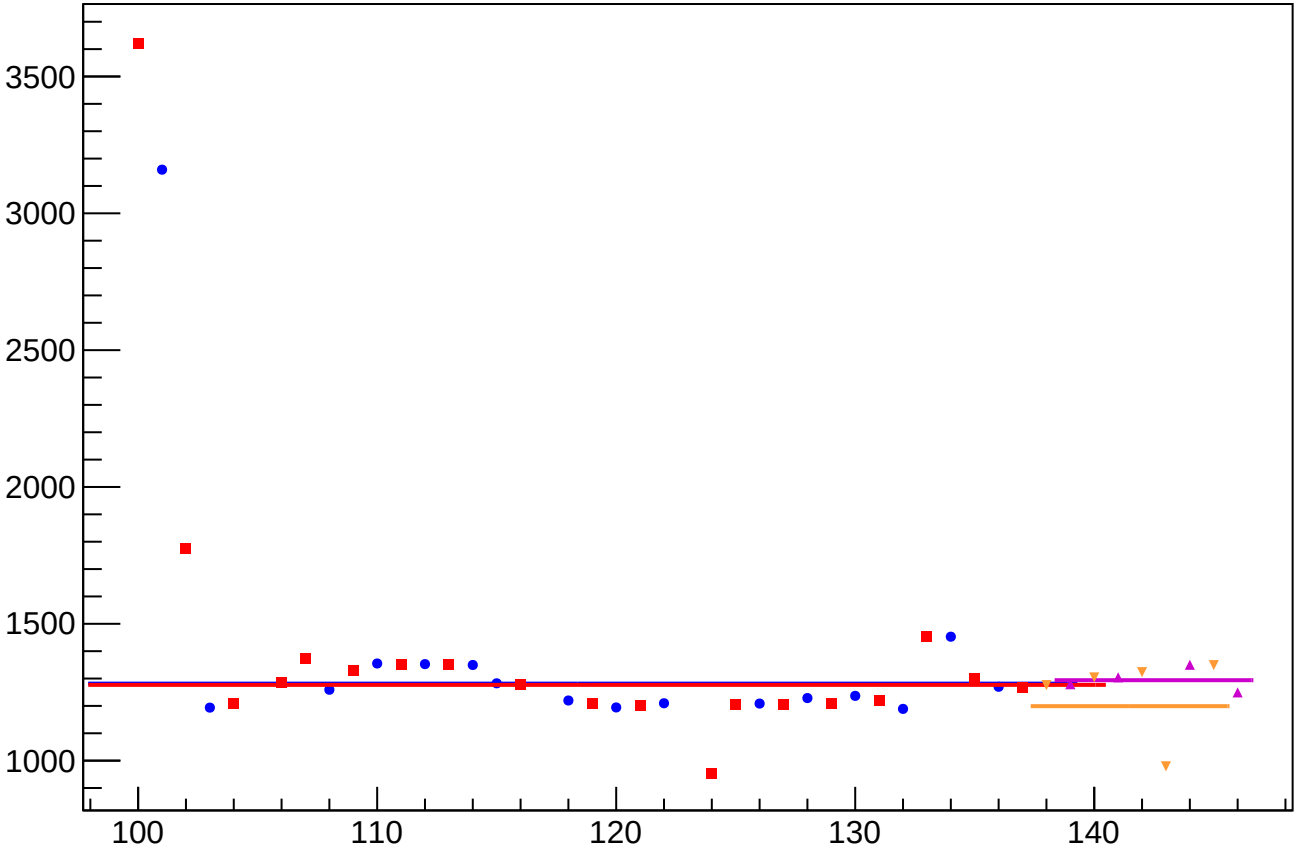
Left In: 942.907+/-688.596 χ^2/NDF:0.6/3

+ sign -134.893+/-384.422 χ^2/NDF: 34.2/20

All: 234.334+/-274.466 χ^2/NDF: 53.7/43

- sign 618.256+/-391.997 χ^2/NDF: 17.6/22

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: 1199.041+/-0.445 χ^2/NDF:126662.3/4

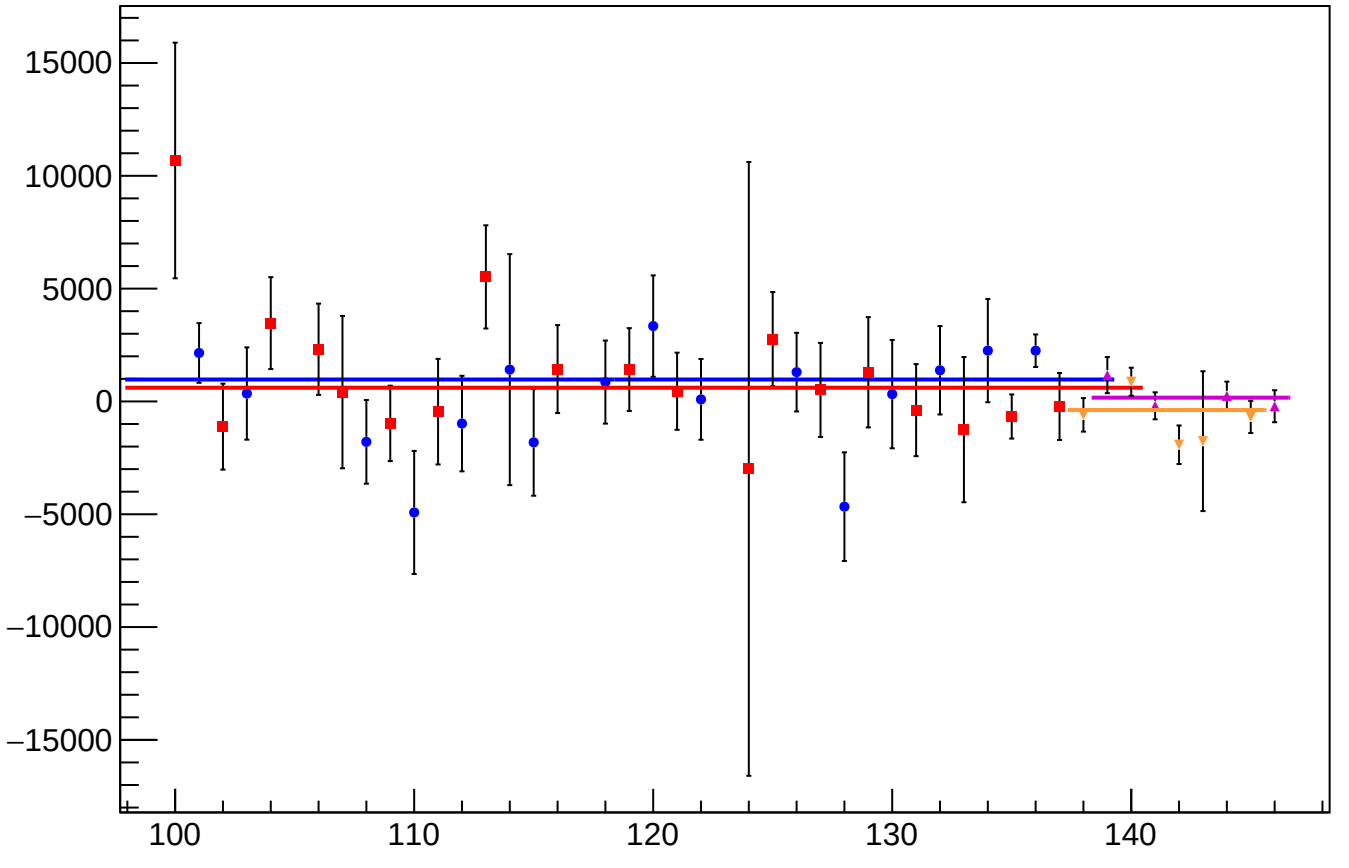
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

+ sign 1250.661+/-0.272 χ^2/NDF: 655193.3/20

All: 1266.219+/-0.194 χ^2/NDF: 888991.4/43

- sign 1282.397+/-0.277 χ^2/NDF: 227115.5/22



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -380.603+/-357.015 χ^2/NDF:7.8/4

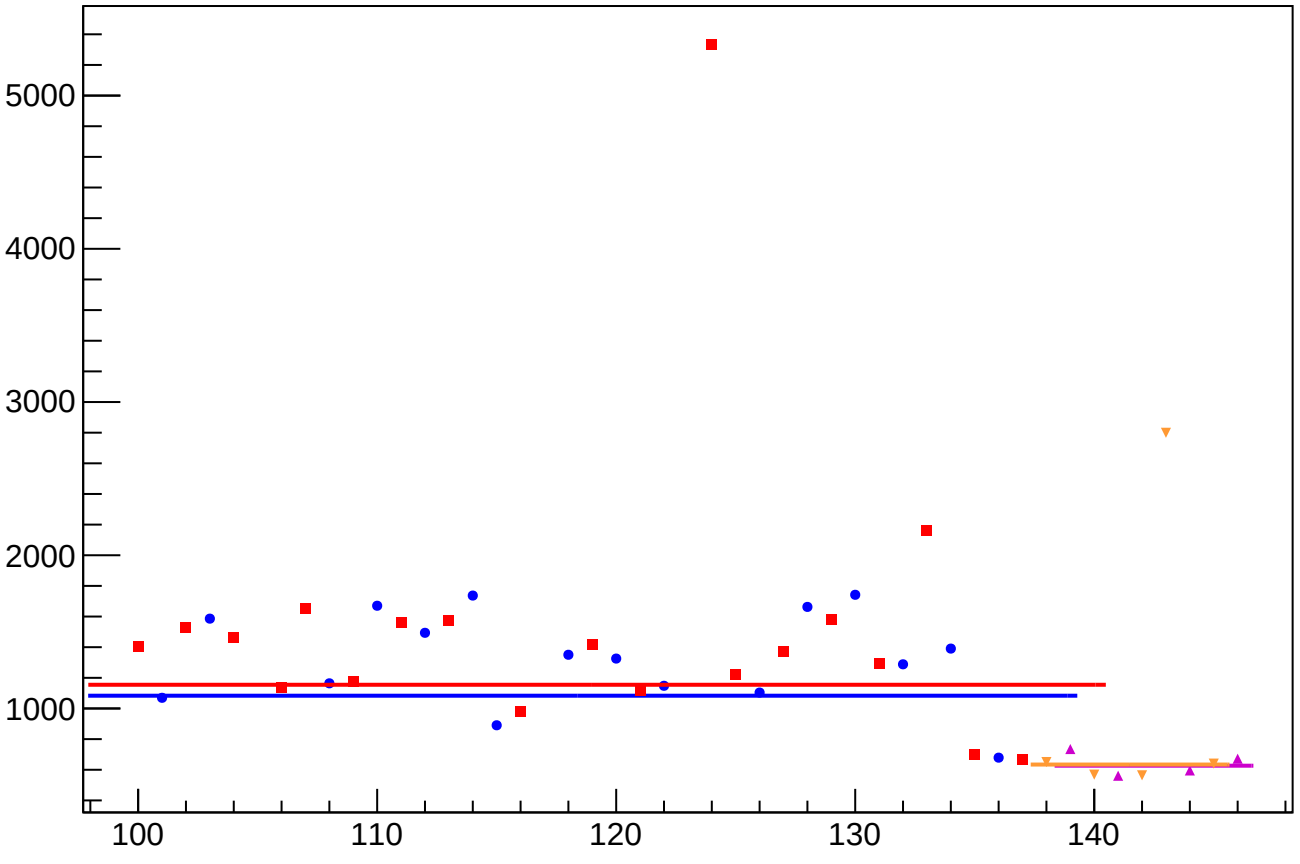
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 167.394+/-335.989 χ^2/NDF:2.2/3

+ sign 178.768+/-273.422 χ^2/NDF: 34.2/20

All: 253.801+/-191.661 χ^2/NDF: 54.3/43

- sign 326.284+/-268.737 χ^2/NDF: 20.0/22



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 634.068+/-0.252 χ^2/NDF:1013458.0/4

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

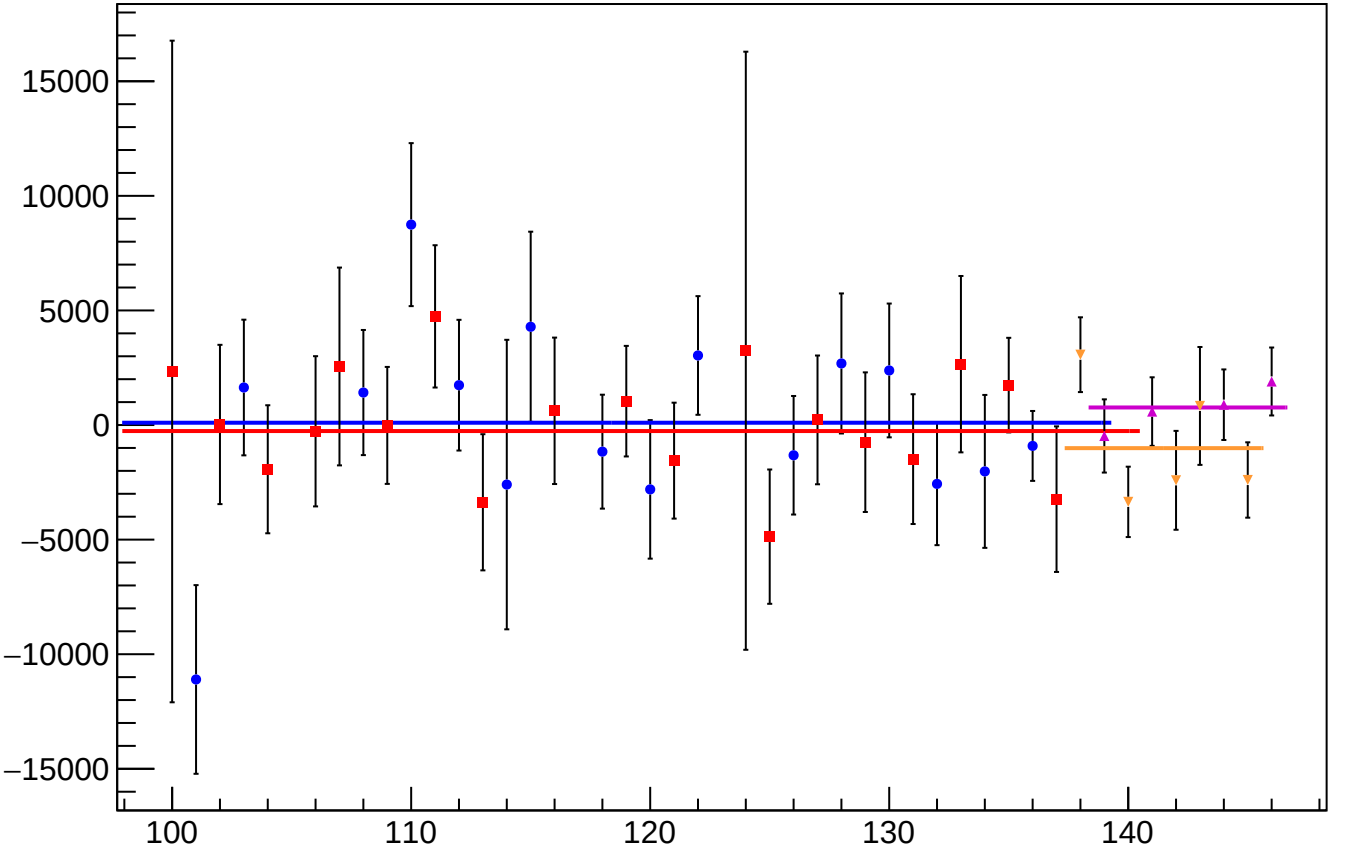
Left In: 626.529+/-0.238 χ^2/NDF:74004.8/3

+ sign 819.827+/-0.193 χ^2/NDF: 3683088.3/20

All: 818.296+/-0.136 χ^2/NDF: 7026178.6/43

- sign 816.817+/-0.190 χ^2/NDF: 3342967.0/22

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1008.541+/-806.880 χ^2/NDF:10.2/4

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

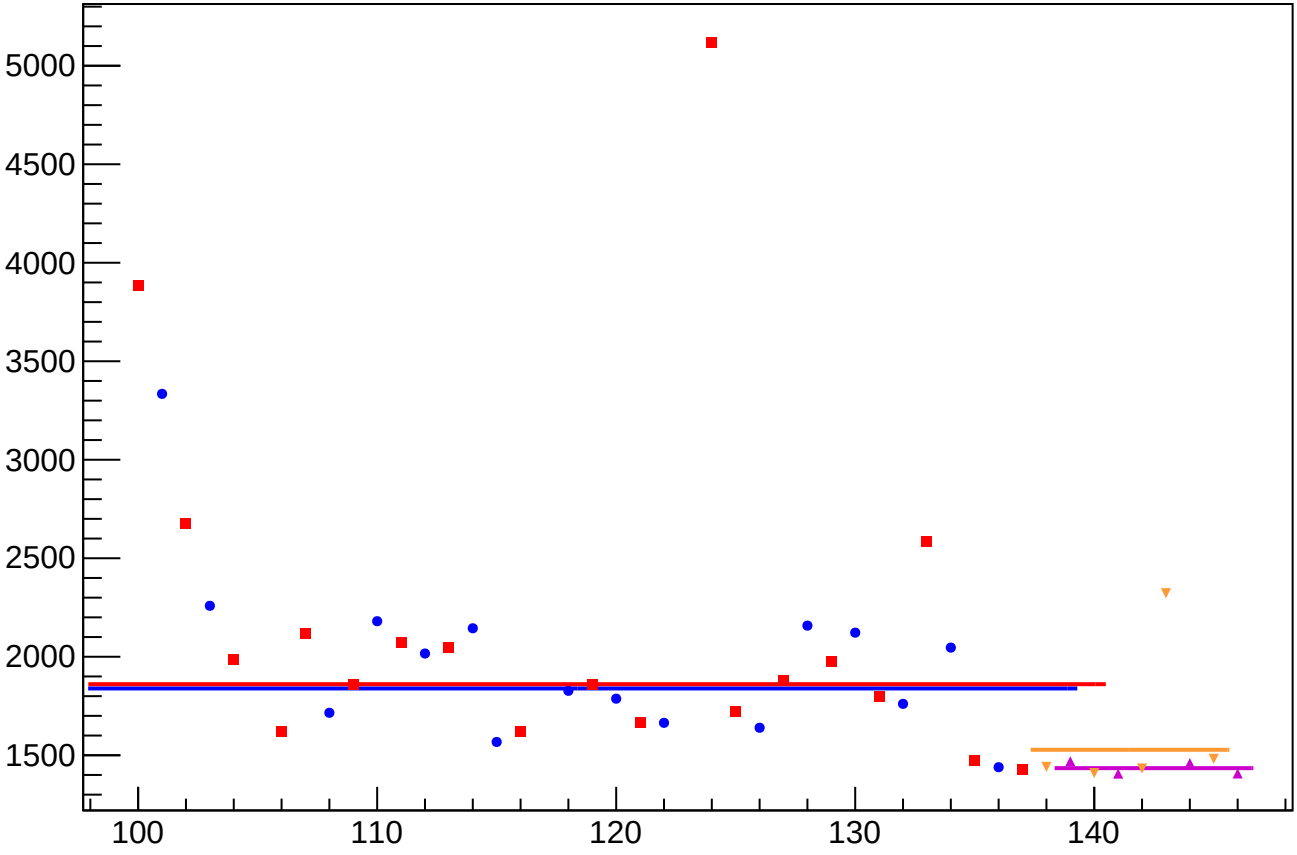
Left In: 765.959+/-763.330 χ^2/NDF:1.2/3

+ sign -374.990+/-528.315 χ^2/NDF: 32.6/20

All: -77.034+/-369.072 χ^2/NDF: 45.7/43

- sign 206.976+/-515.803 χ^2/NDF: 12.5/22

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1527.769+/-0.571 χ^2/NDF:213831.0/4

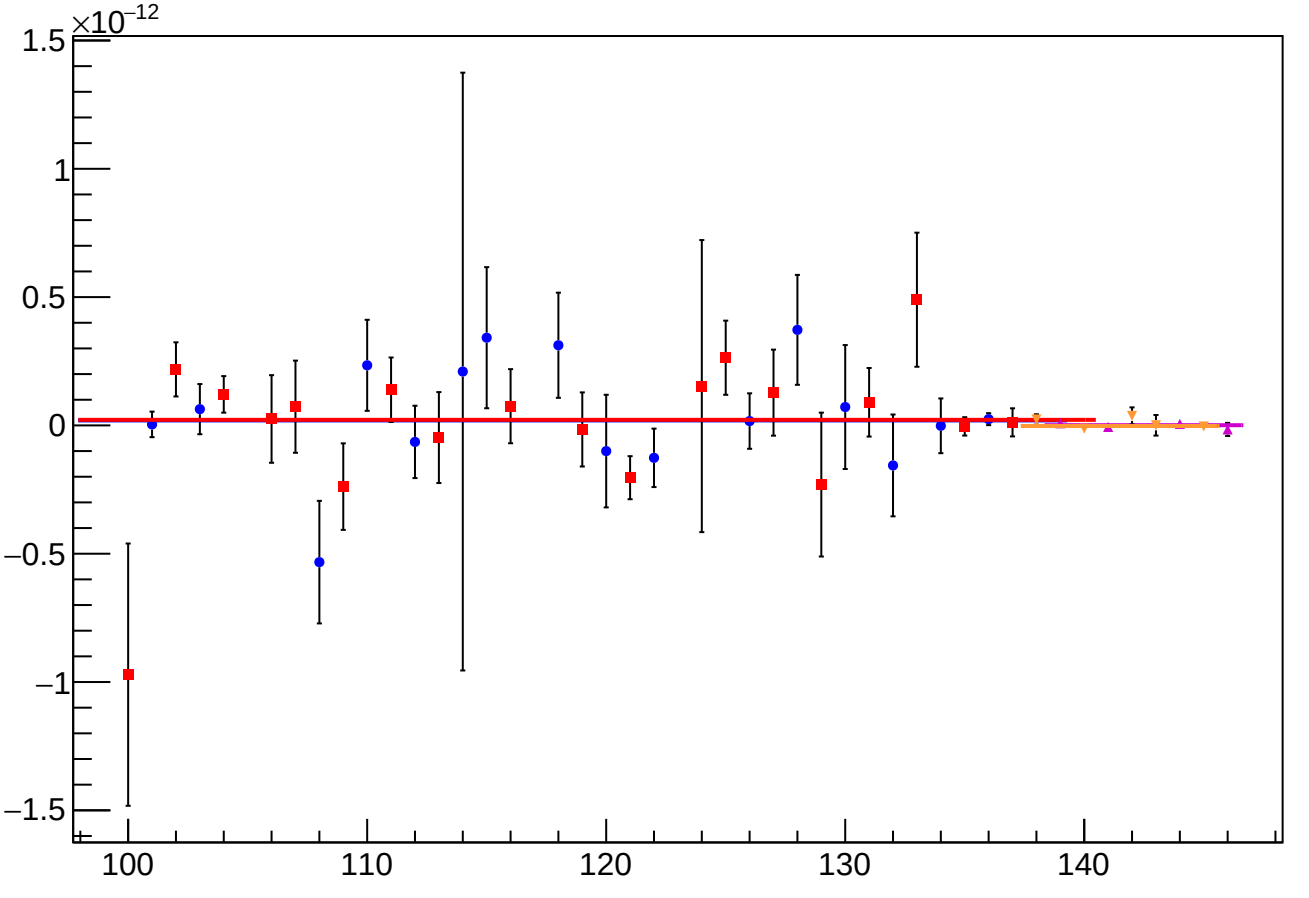
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1434.548+/-0.540 χ^2/NDF:2862.3/3

+ sign 1705.636+/-0.374 χ^2/NDF: 940673.3/20

All: 1685.418+/-0.261 χ^2/NDF: 1810185.0/43

- sign 1666.147+/-0.365 χ^2/NDF: 863791.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

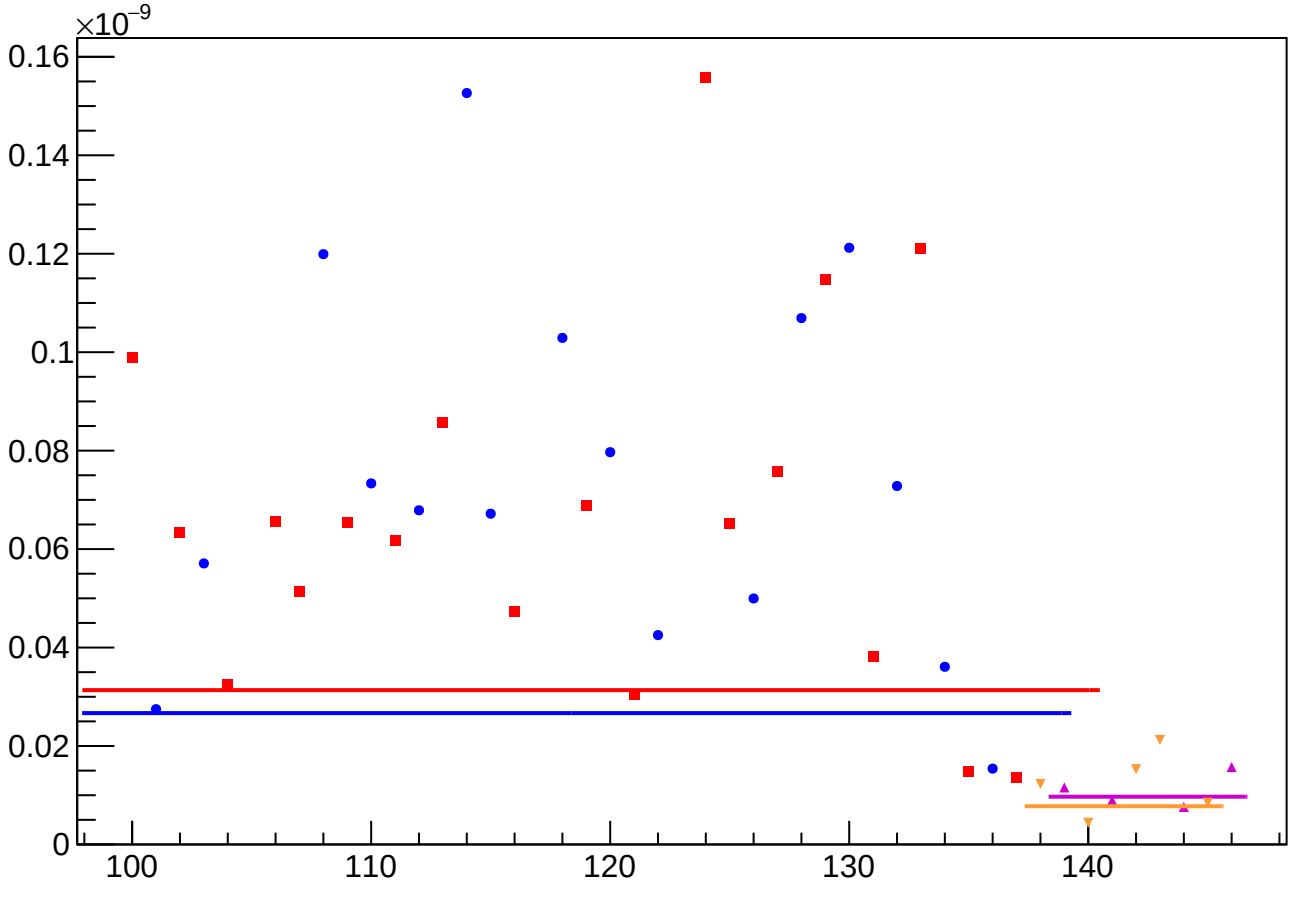
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/20

All: 0.000+/-0.000 χ^2/NDF: 51.5/43

- sign 0.000+/-0.000 χ^2/NDF: 29.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:629833.4/4

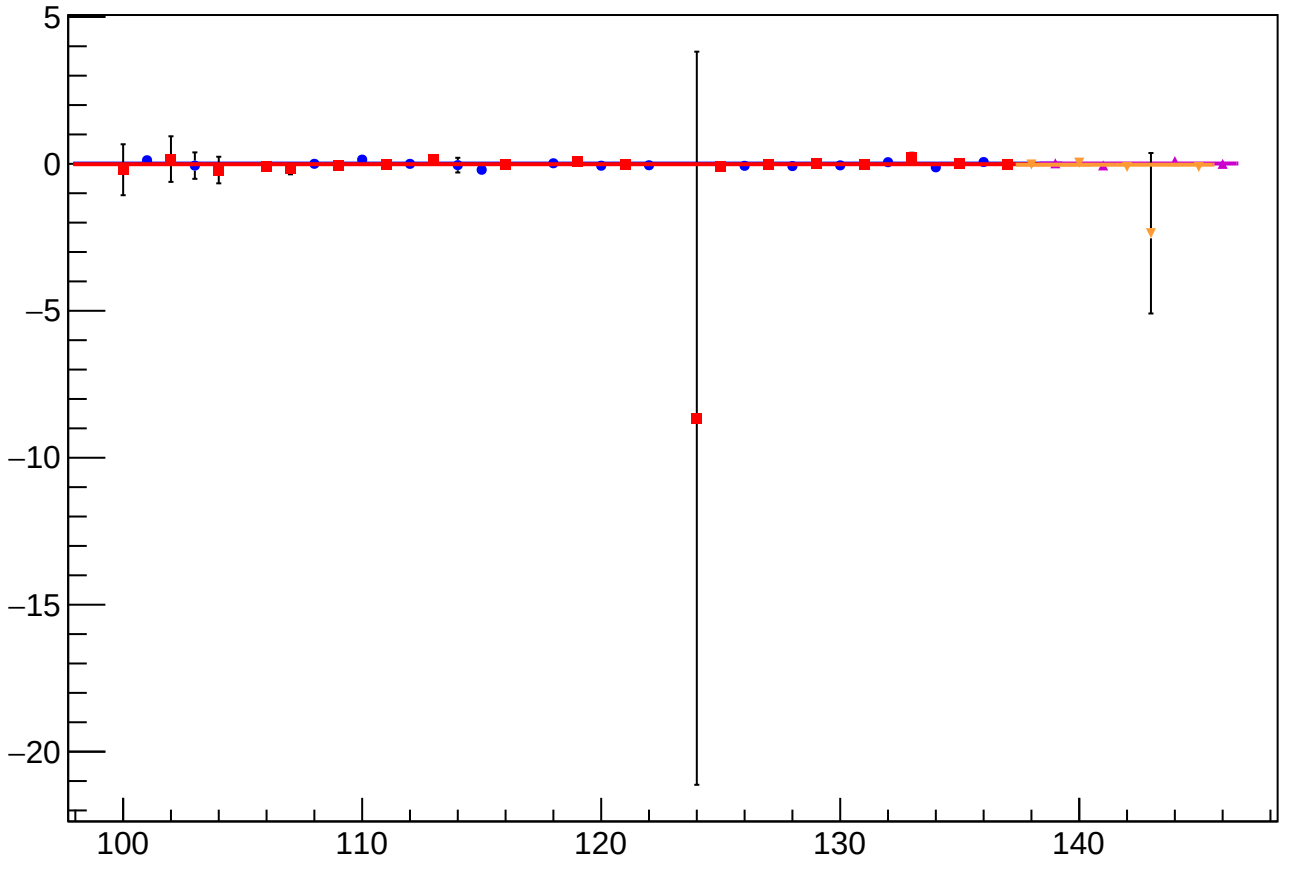
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:185270.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4947520.3/20

All: 0.000+/-0.000 χ^2/NDF: 9123896.6/43

- sign 0.000+/-0.000 χ^2/NDF: 4105340.7/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

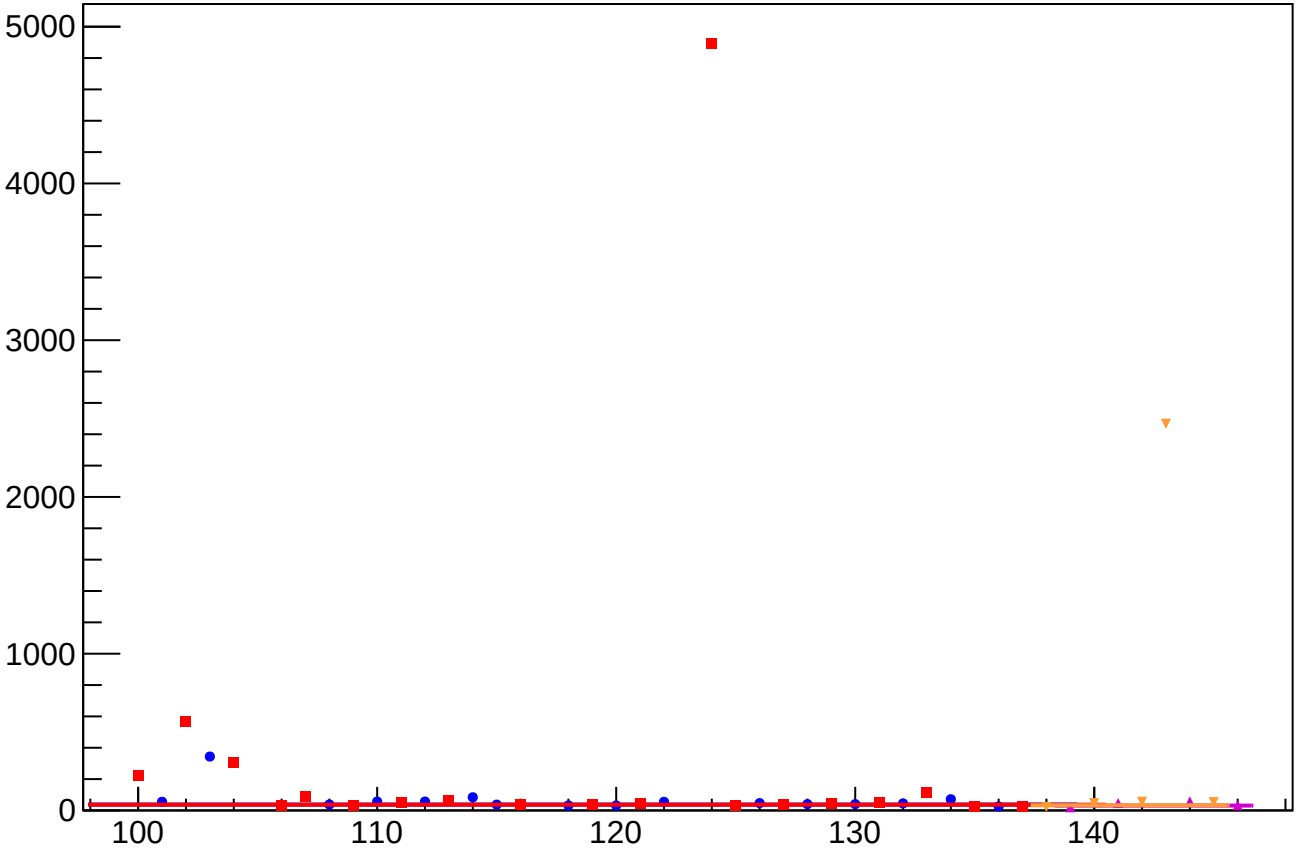
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.003+/-0.009 χ^2/NDF: 42.8/43

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

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: 33.091+/-0.016 χ^2/NDF:2371298.2/4

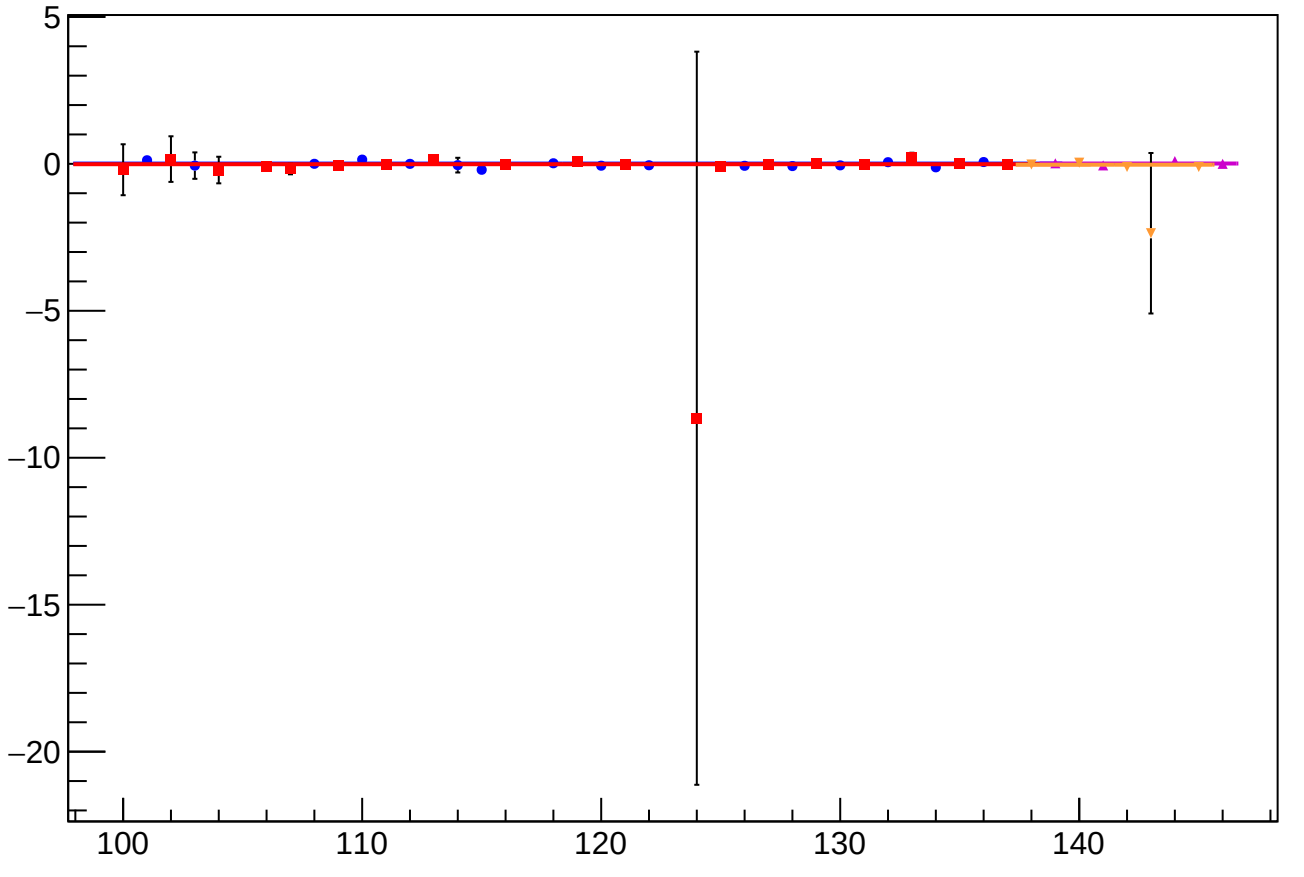
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

+ sign 36.007+/-0.009 χ^2/NDF: 4405254.3/20

All: 35.155+/-0.006 χ^2/NDF: 8581346.1/43

- sign 34.363+/-0.009 χ^2/NDF: 4159735.2/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

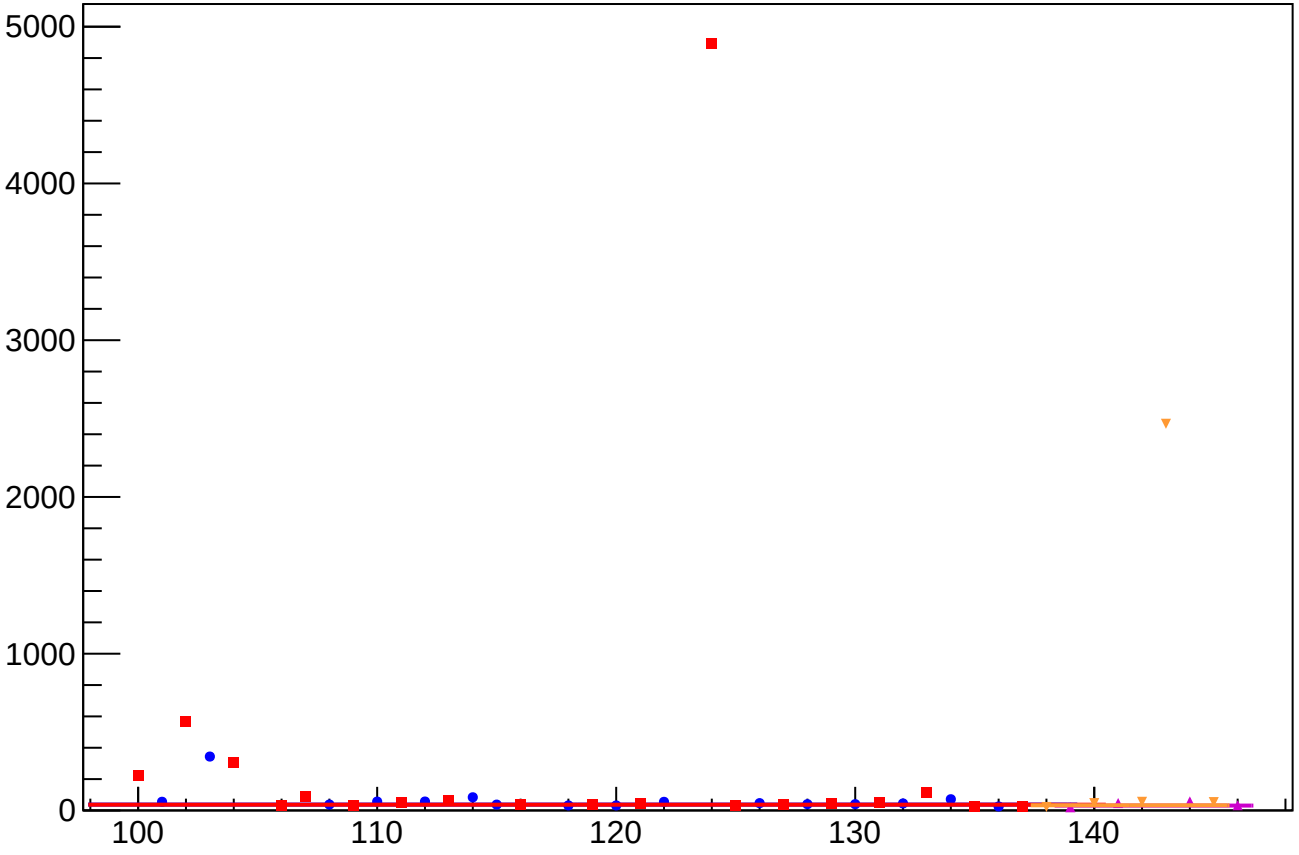
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.003+/-0.009 χ^2/NDF: 42.8/43

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.091+/-0.016 χ^2/NDF:2371298.2/4

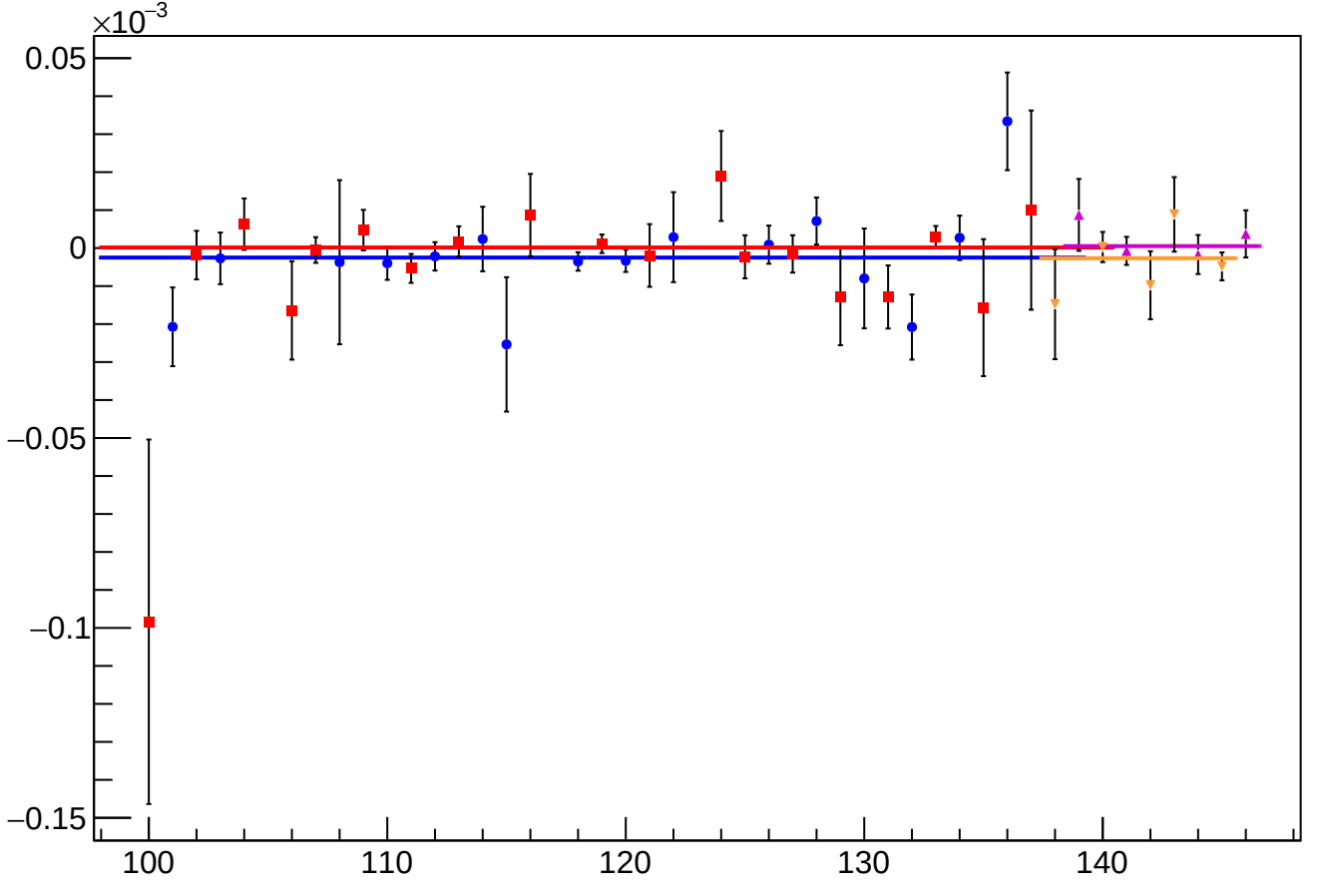
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

+ sign 36.007+/-0.009 χ^2/NDF: 4405254.3/20

All: 35.155+/-0.006 χ^2/NDF: 8581346.1/43

- sign 34.363+/-0.009 χ^2/NDF: 4159735.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

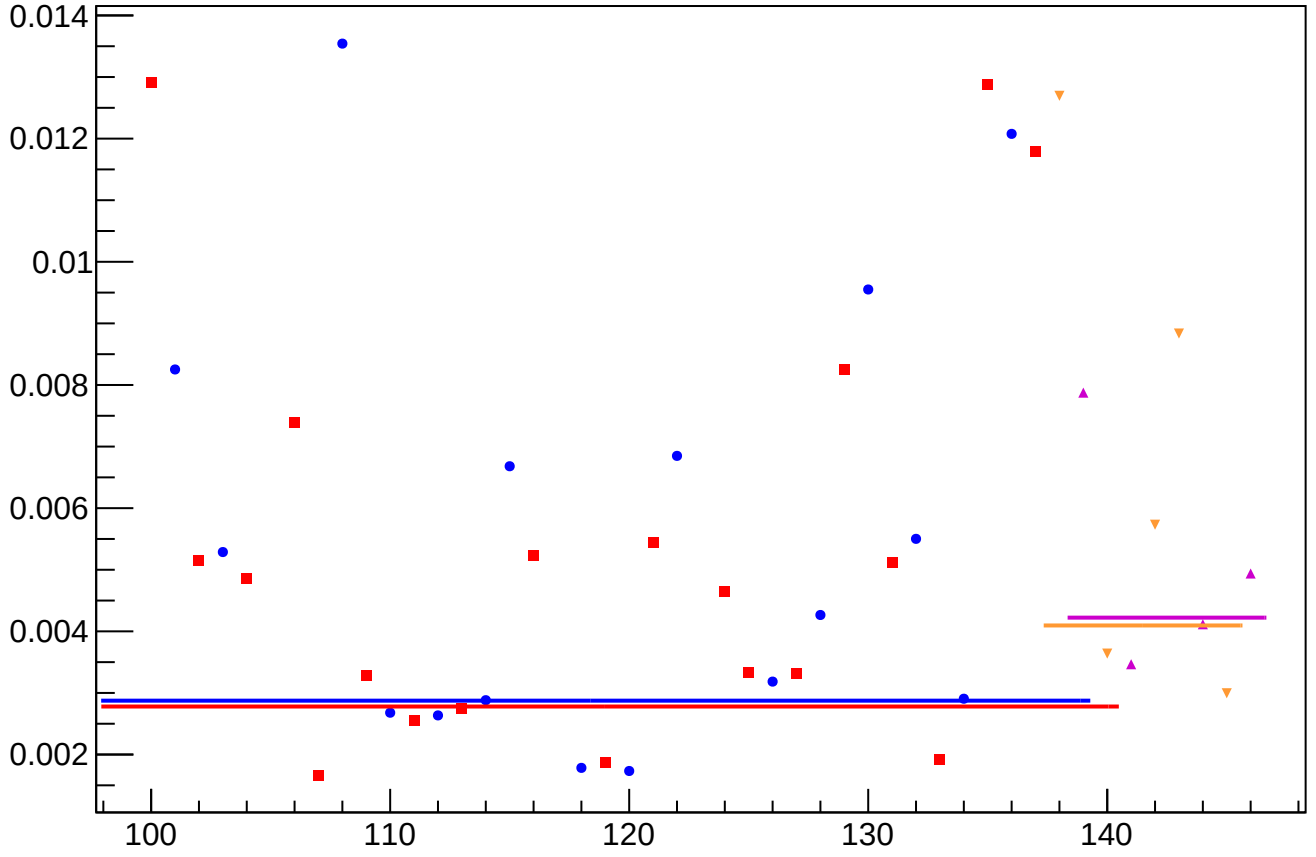
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/20

All: -0.000+/-0.000 χ^2/NDF: 48.7/43

- sign 0.000+/-0.000 χ^2/NDF: 20.2/22



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1444443.2/4

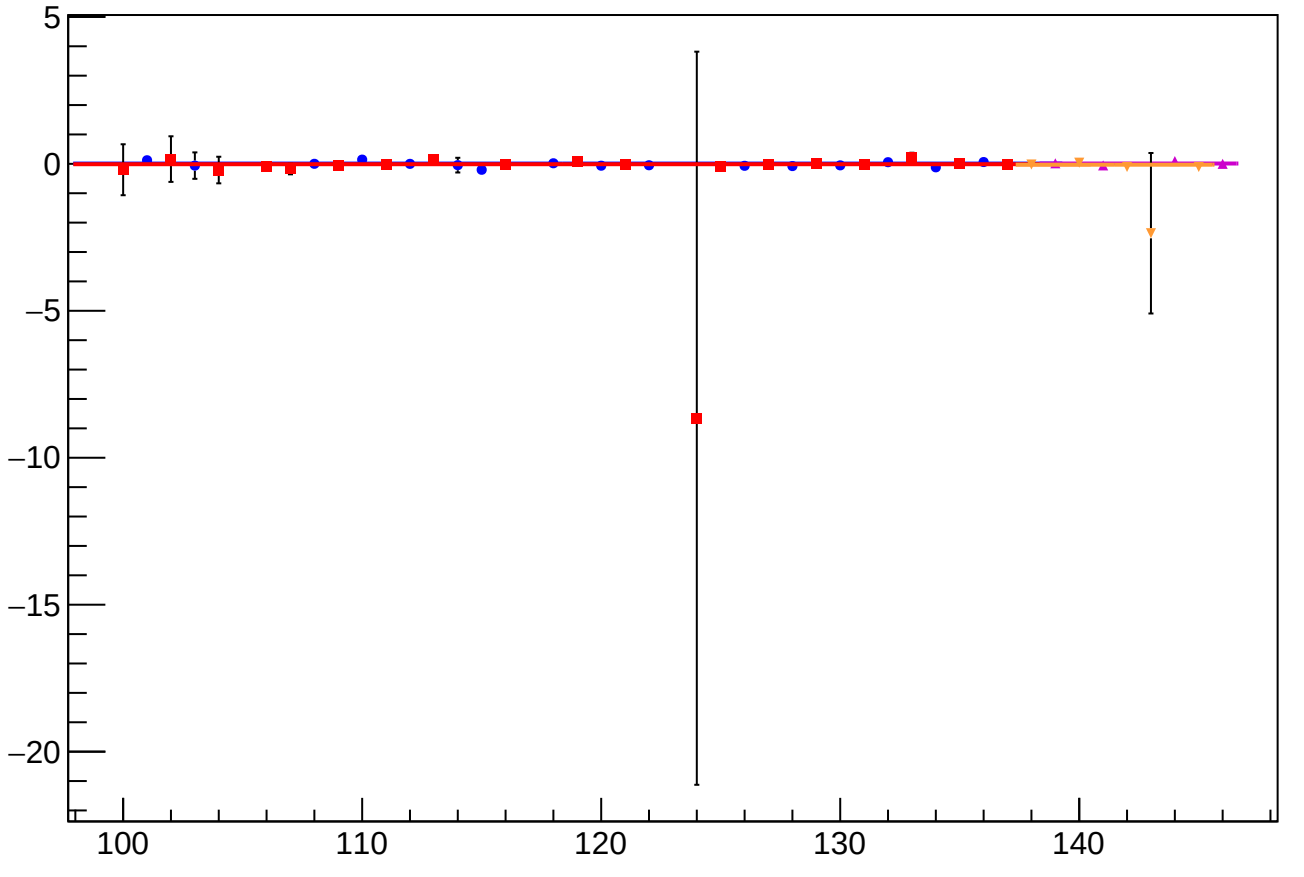
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:409779.0/3

+ sign 0.003+/-0.000 χ^2/NDF: 5980670.4/20

All: 0.003+/-0.000 χ^2/NDF: 10225757.2/43

- sign 0.003+/-0.000 χ^2/NDF: 4233753.0/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

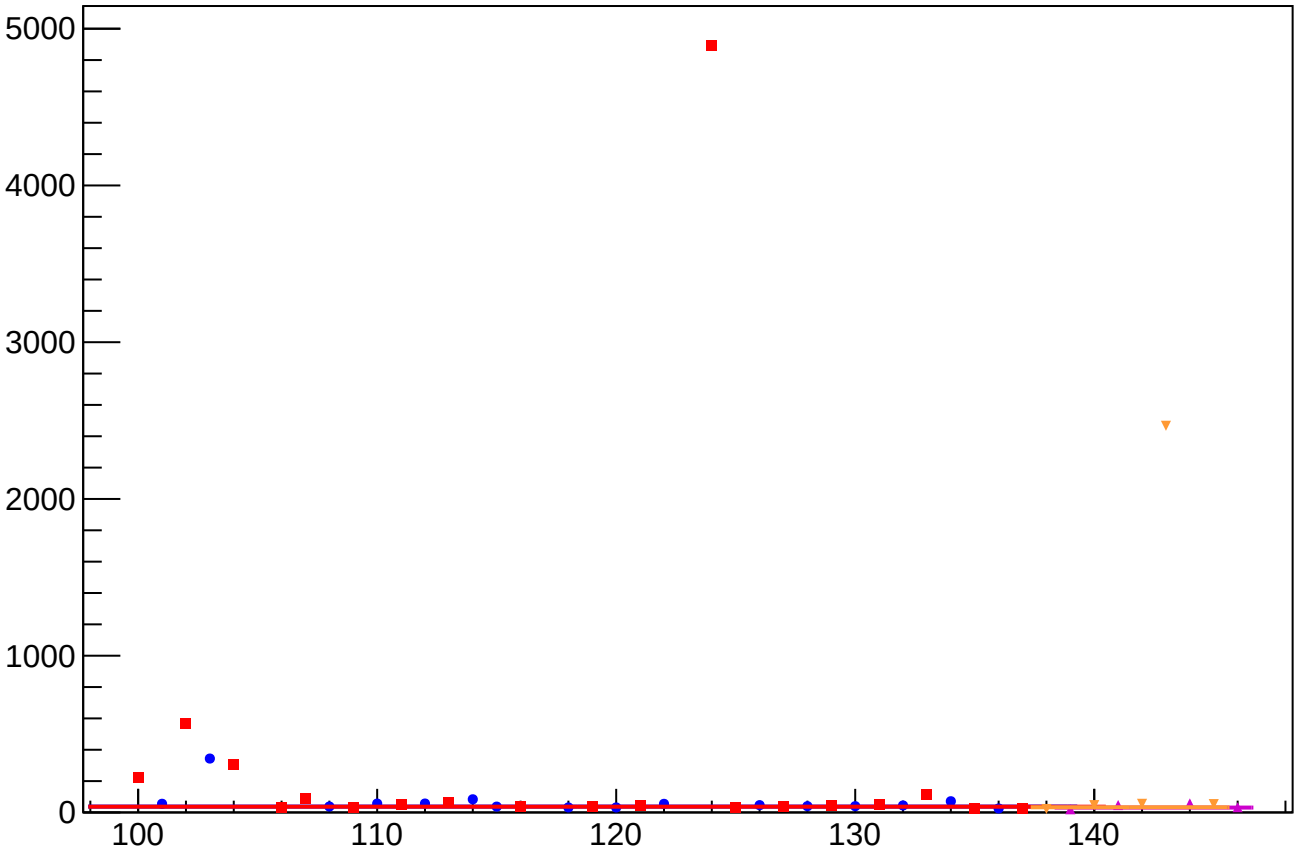
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.003+/-0.009 χ^2/NDF: 42.8/43

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

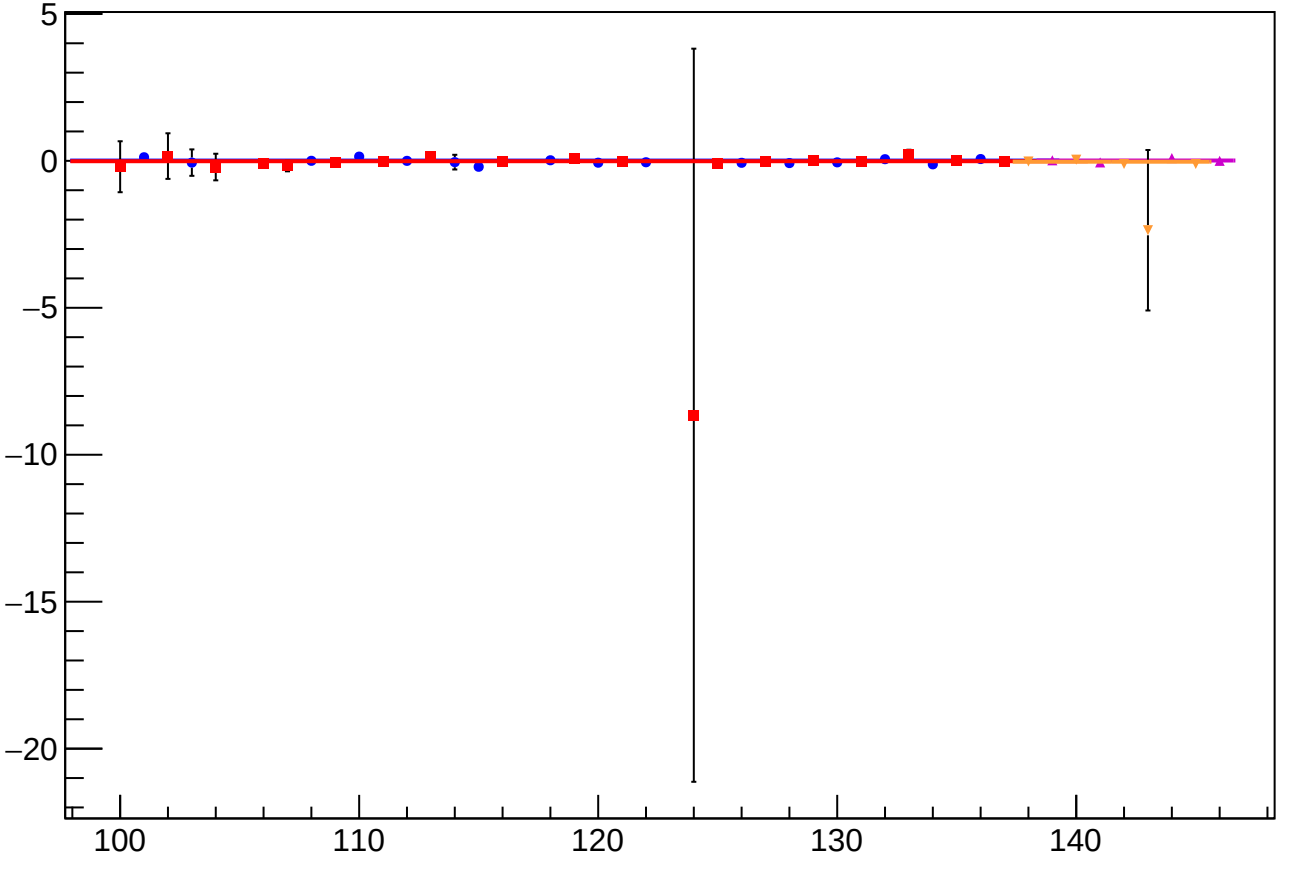
Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

+ sign 36.005+/-0.009 χ^2/NDF: 4405626.9/20

All: 35.156+/-0.006 χ^2/NDF: 8580463.9/43

- sign 34.367+/-0.009 χ^2/NDF: 4158587.5/22

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

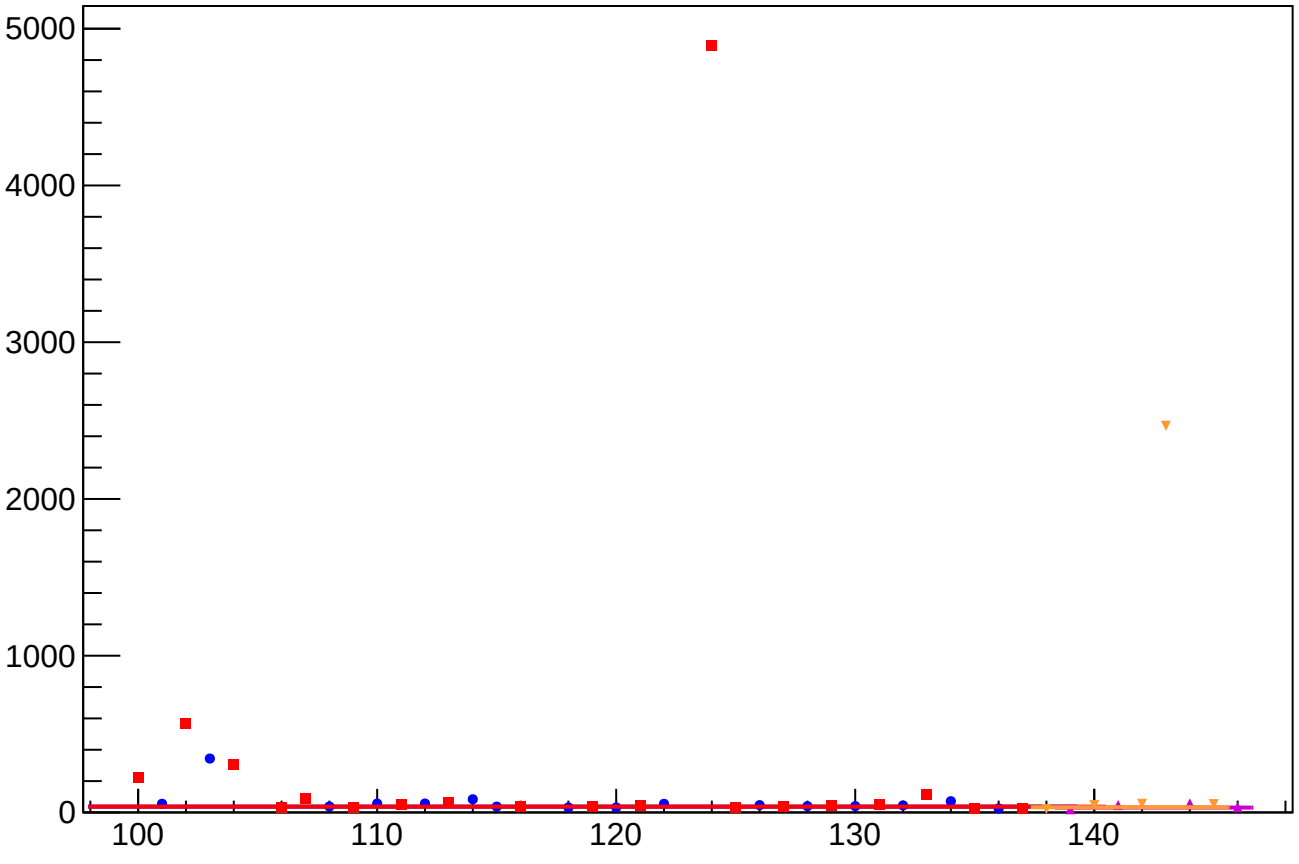
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.003+/-0.009 χ^2/NDF: 42.8/43

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

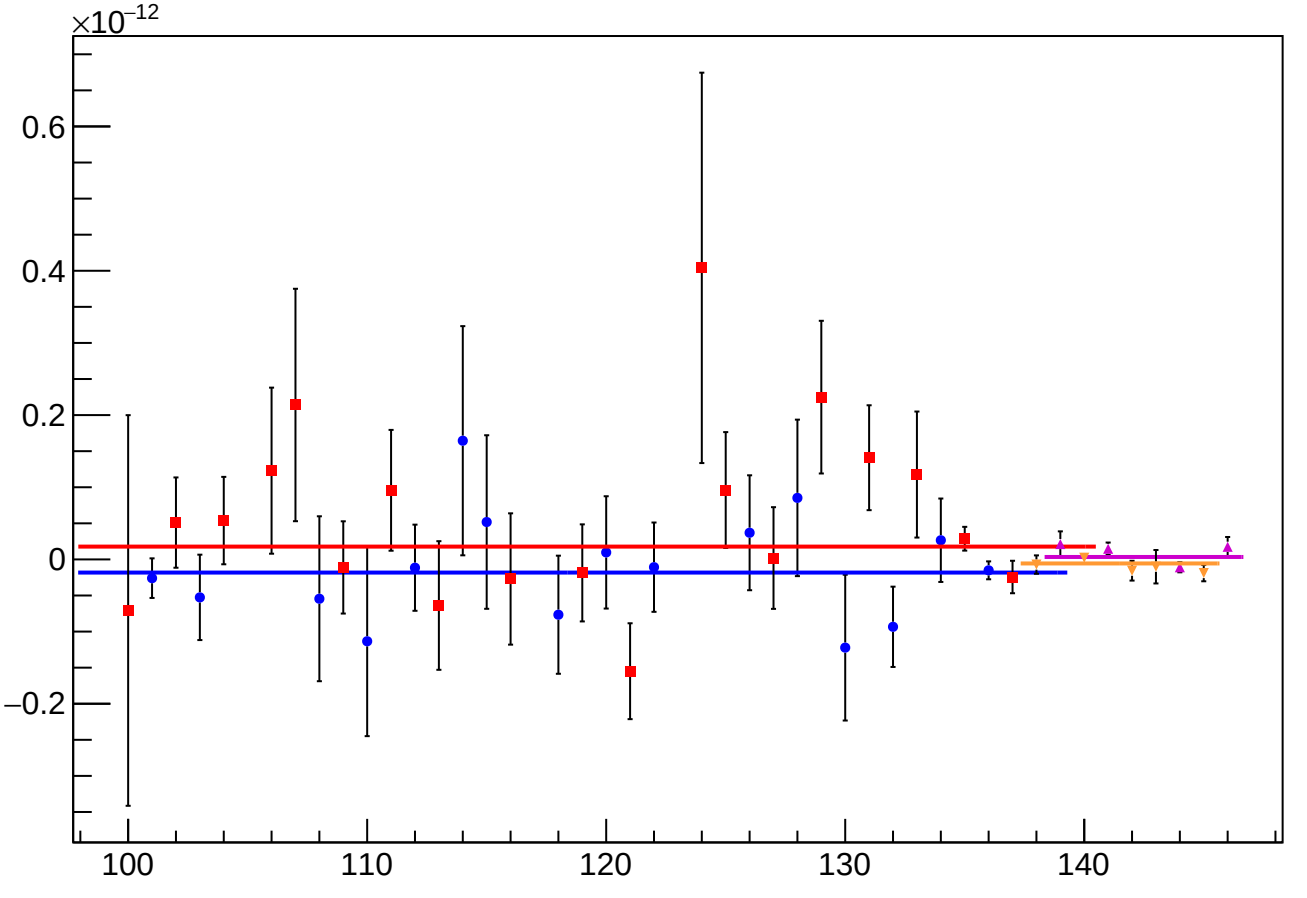
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

+ sign 36.005+/-0.009 χ^2/NDF: 4405626.9/20

All: 35.156+/-0.006 χ^2/NDF: 8580463.9/43

- sign 34.367+/-0.009 χ^2/NDF: 4158587.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/4

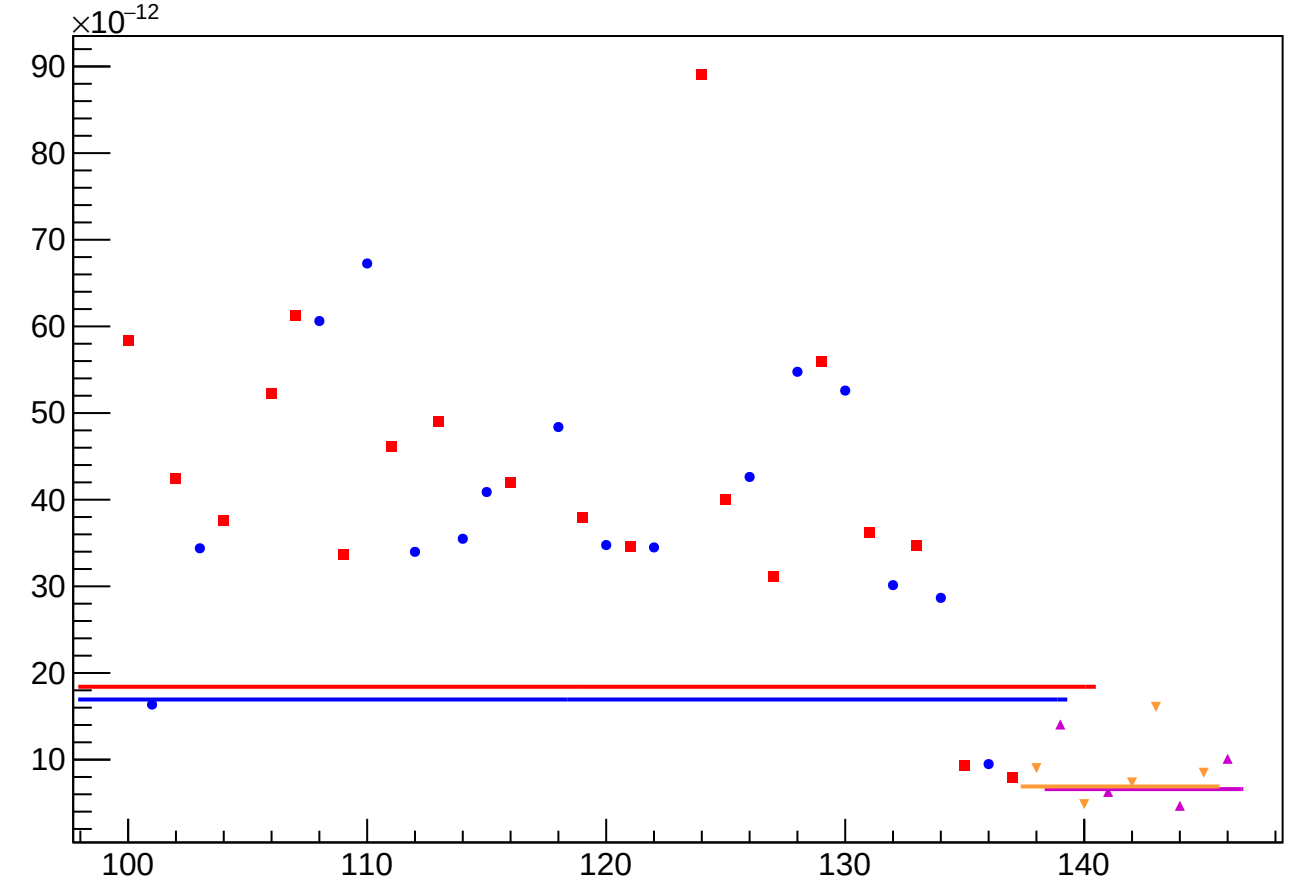
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 13.0/20

All: -0.000+/-0.000 χ^2/NDF: 54.5/43

- sign 0.000+/-0.000 χ^2/NDF: 36.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:594231.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

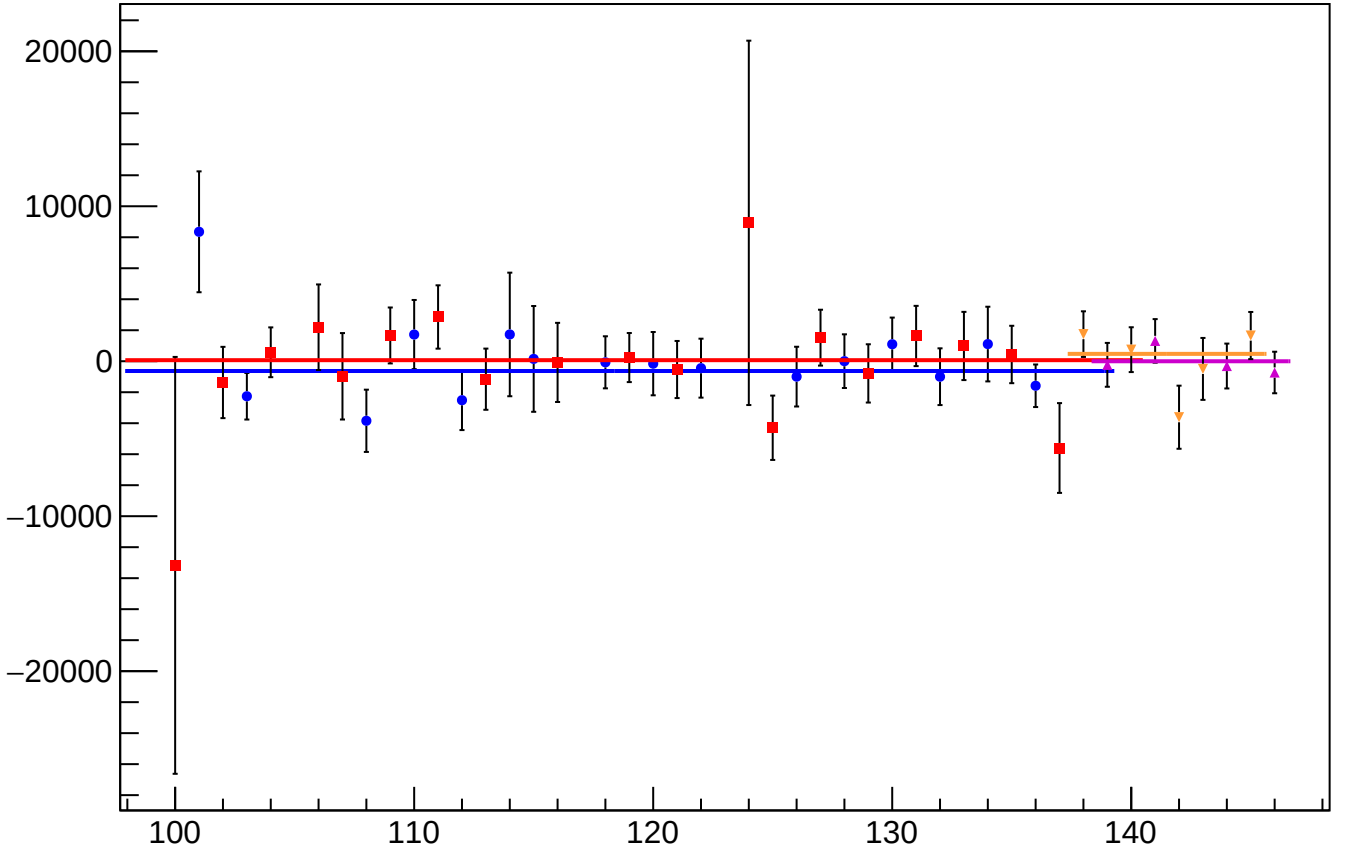
Left In: 0.000+/-0.000 χ^2/NDF:646217.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5459586.3/20

All: 0.000+/-0.000 χ^2/NDF: 11699576.9/43

- sign 0.000+/-0.000 χ^2/NDF: 6235035.7/22

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.644+/-732.595 χ^2/NDF:5.7/4

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

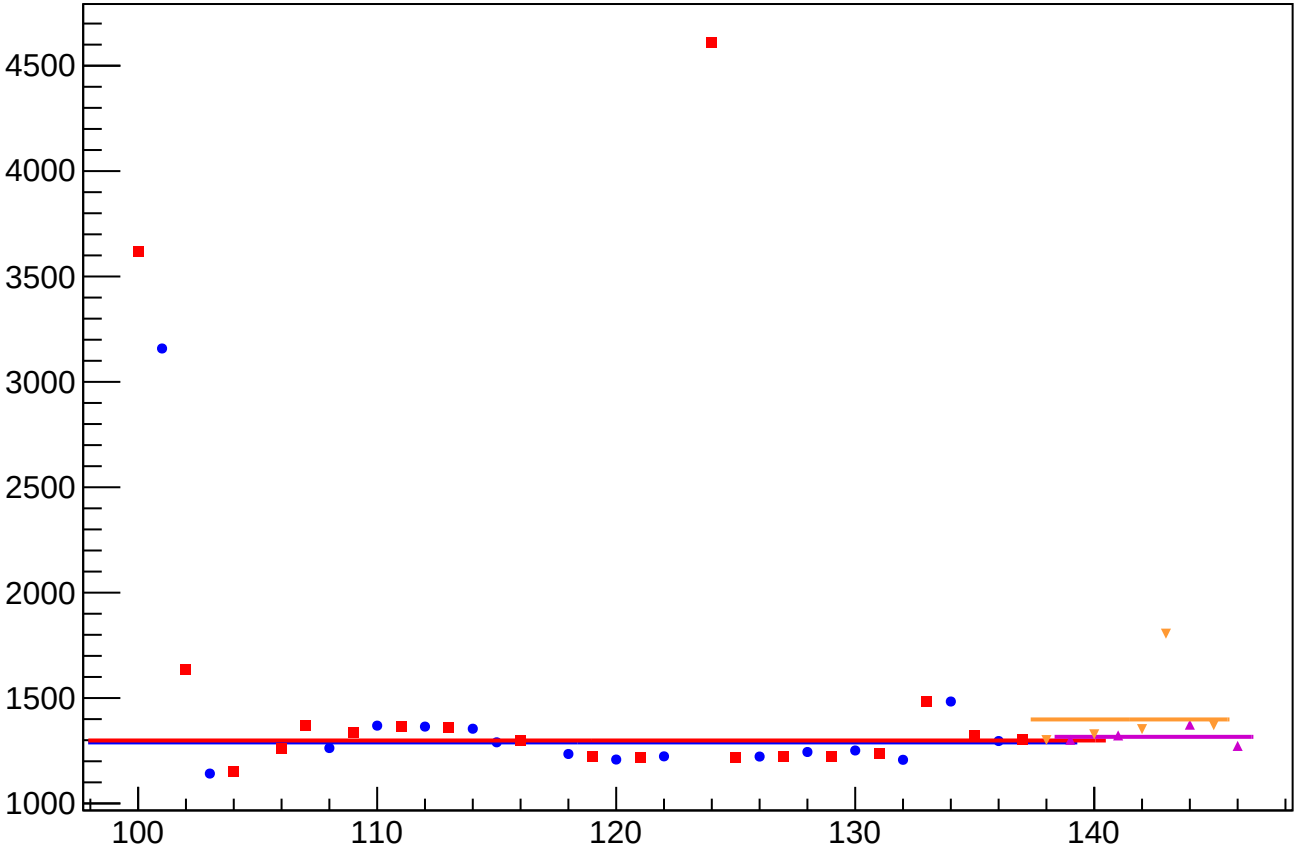
Left In: -2.449+/-700.312 χ^2/NDF:1.2/3

+ sign -290.574+/-406.524 χ^2/NDF: 21.1/20

All: -120.305+/-285.211 χ^2/NDF: 38.6/43

- sign 44.747+/-400.248 χ^2/NDF: 17.1/22

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

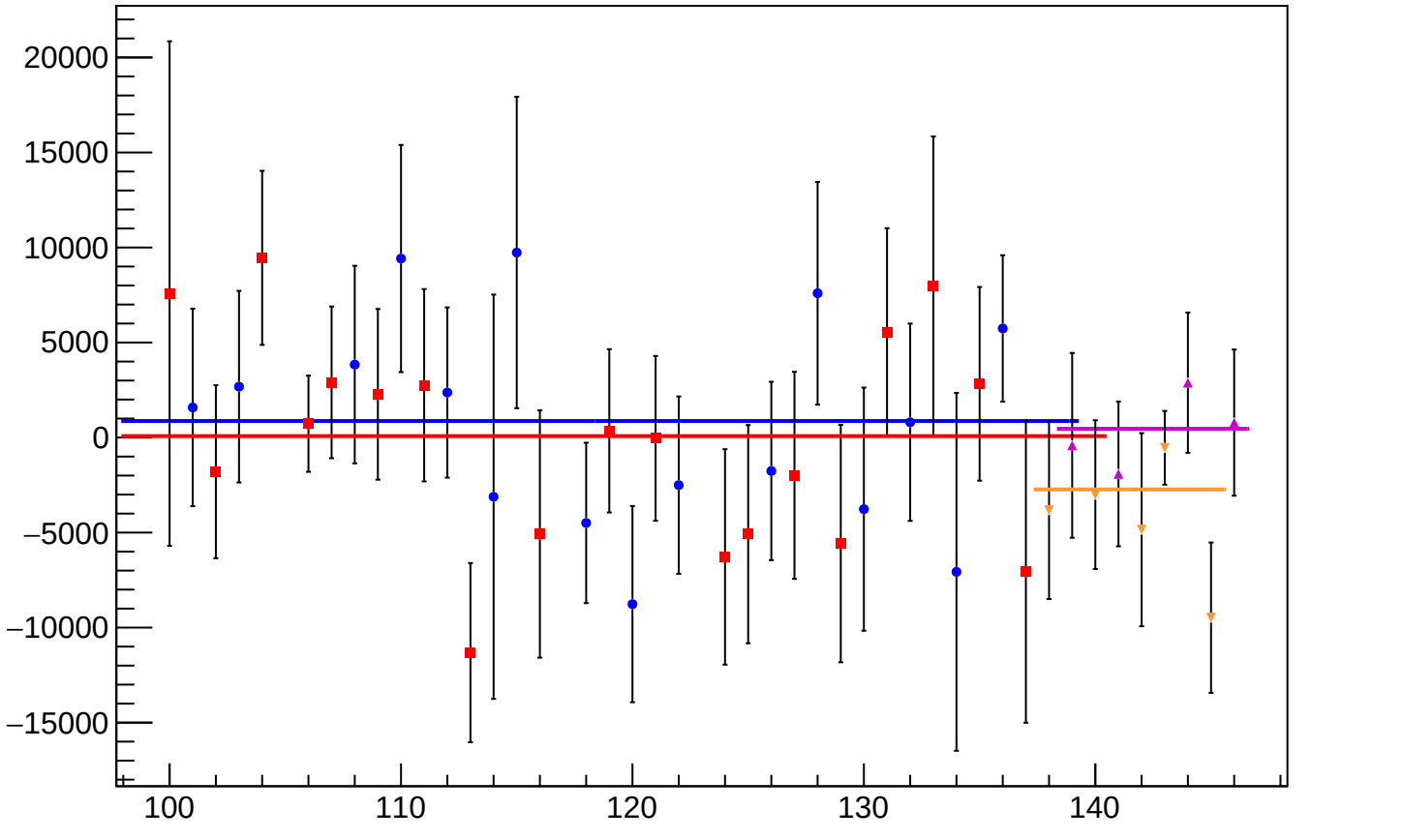
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643518.3/20

All: 1313.495+/-0.201 χ^2/NDF: 971368.6/43

- sign 1304.290+/-0.283 χ^2/NDF: 325689.4/22



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2728.713+/-1444.041 χ^2/NDF:4.4/4

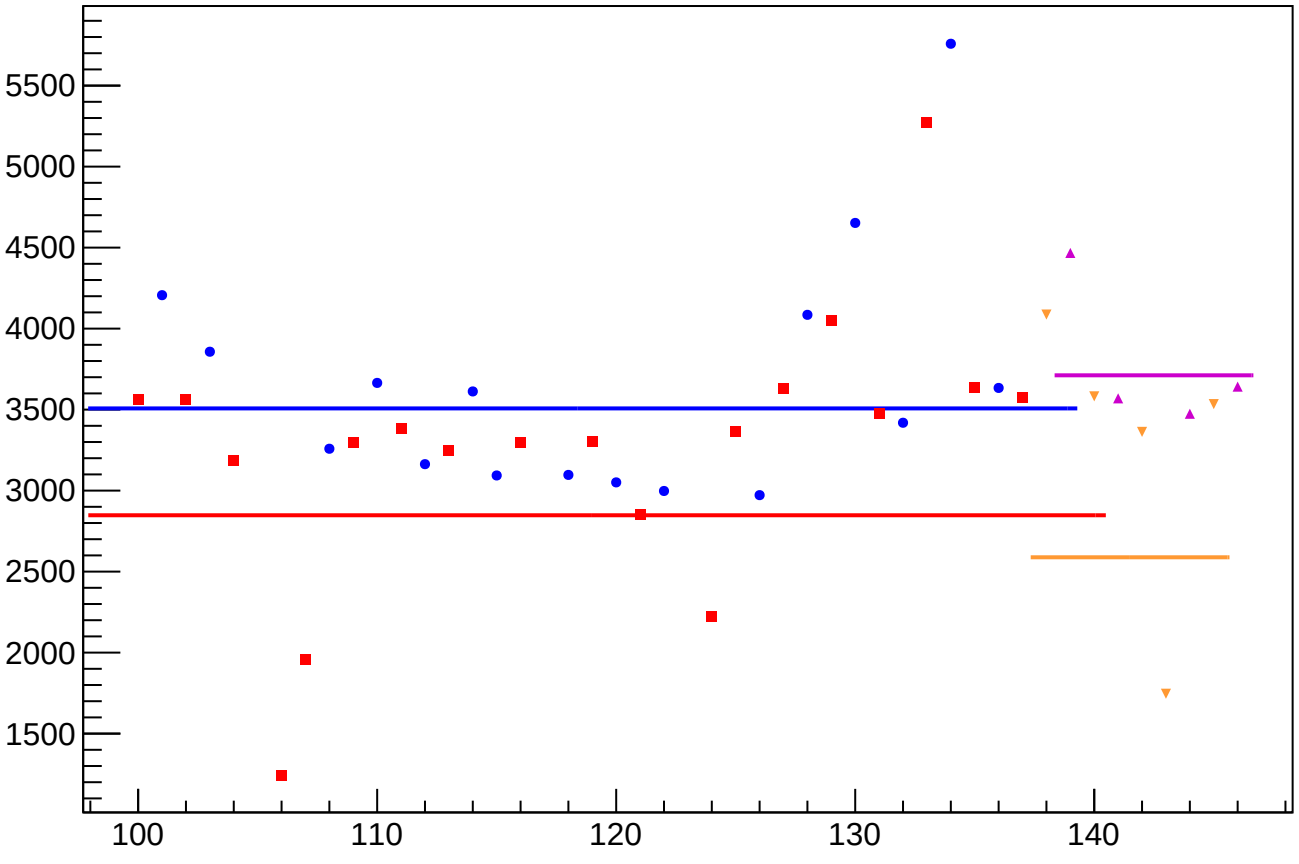
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 460.950+/-1990.507 χ^2/NDF:0.9/3

+ sign -775.149+/-976.404 χ^2/NDF: 21.8/20

All: -300.323+/-688.207 χ^2/NDF: 41.6/43

- sign 168.456+/-970.168 χ^2/NDF: 19.3/22



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2588.366+/-1.021 χ^2/NDF:872391.5/4

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

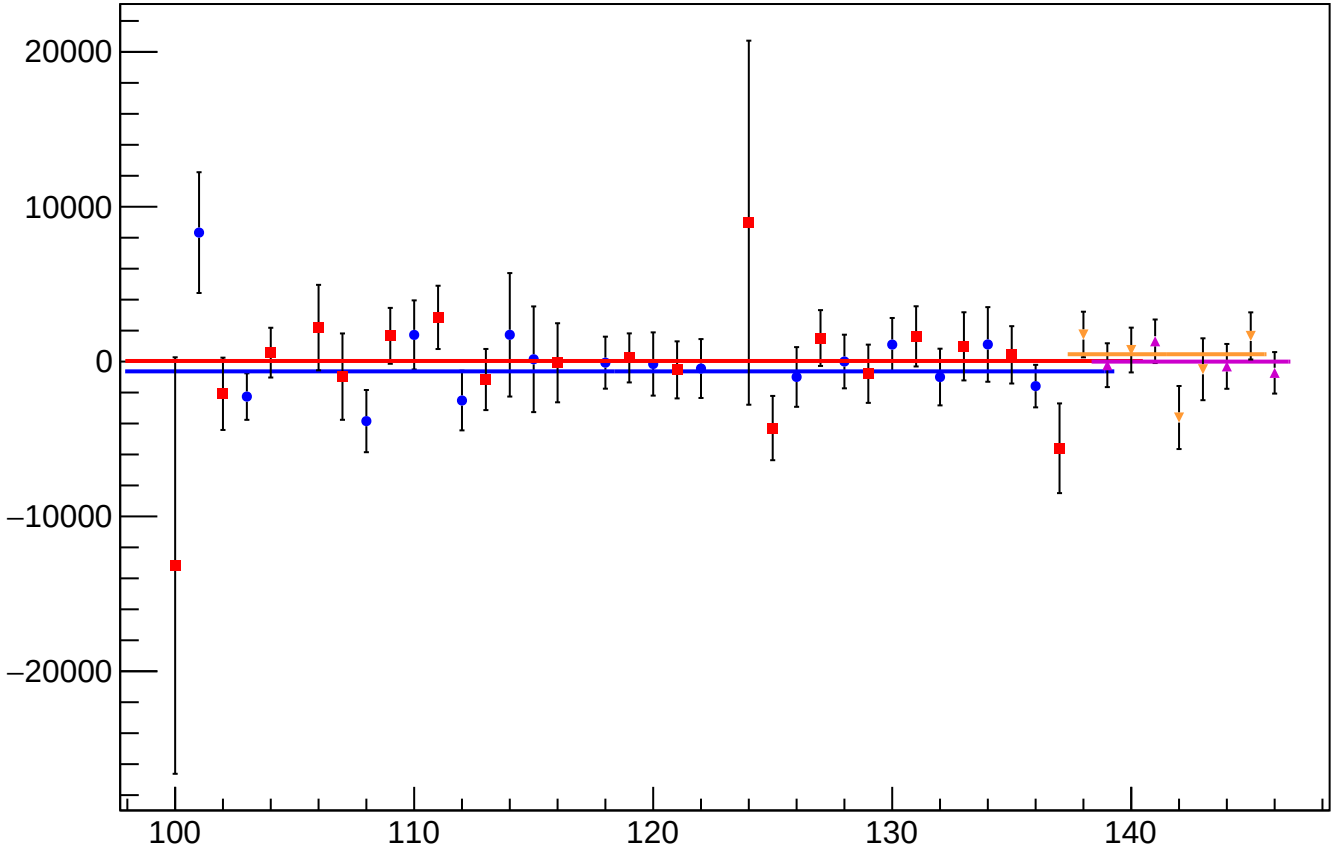
Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

+ sign 3087.222+/-0.690 χ^2/NDF: 1666091.3/20

All: 3070.028+/-0.487 χ^2/NDF: 3513931.2/43

- sign 3053.053+/-0.686 χ^2/NDF: 1846607.5/22

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

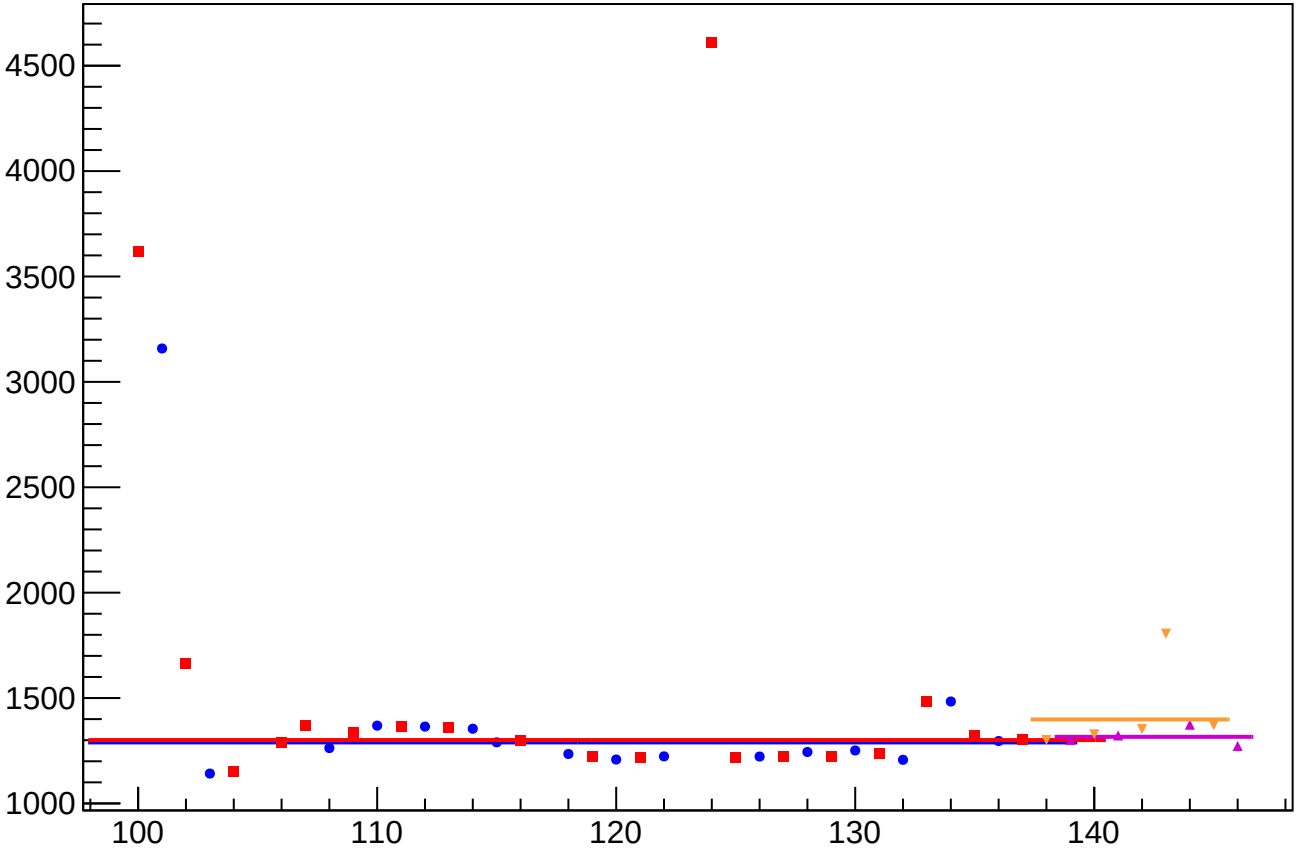
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -130.426+/-285.276 χ^2/NDF: 39.0/43

- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

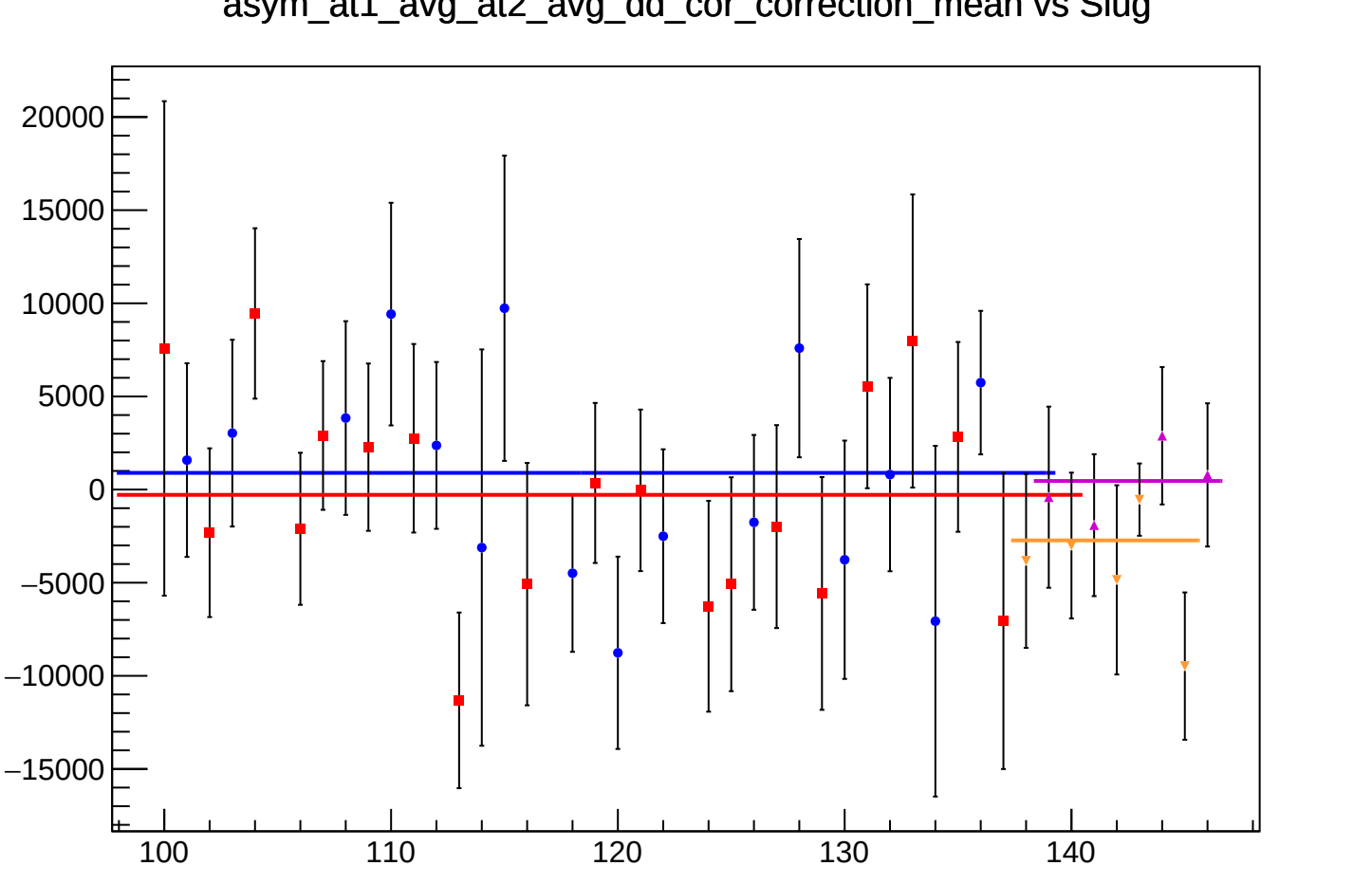
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2728.480+/-1444.035 χ^2/NDF:4.4/4

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

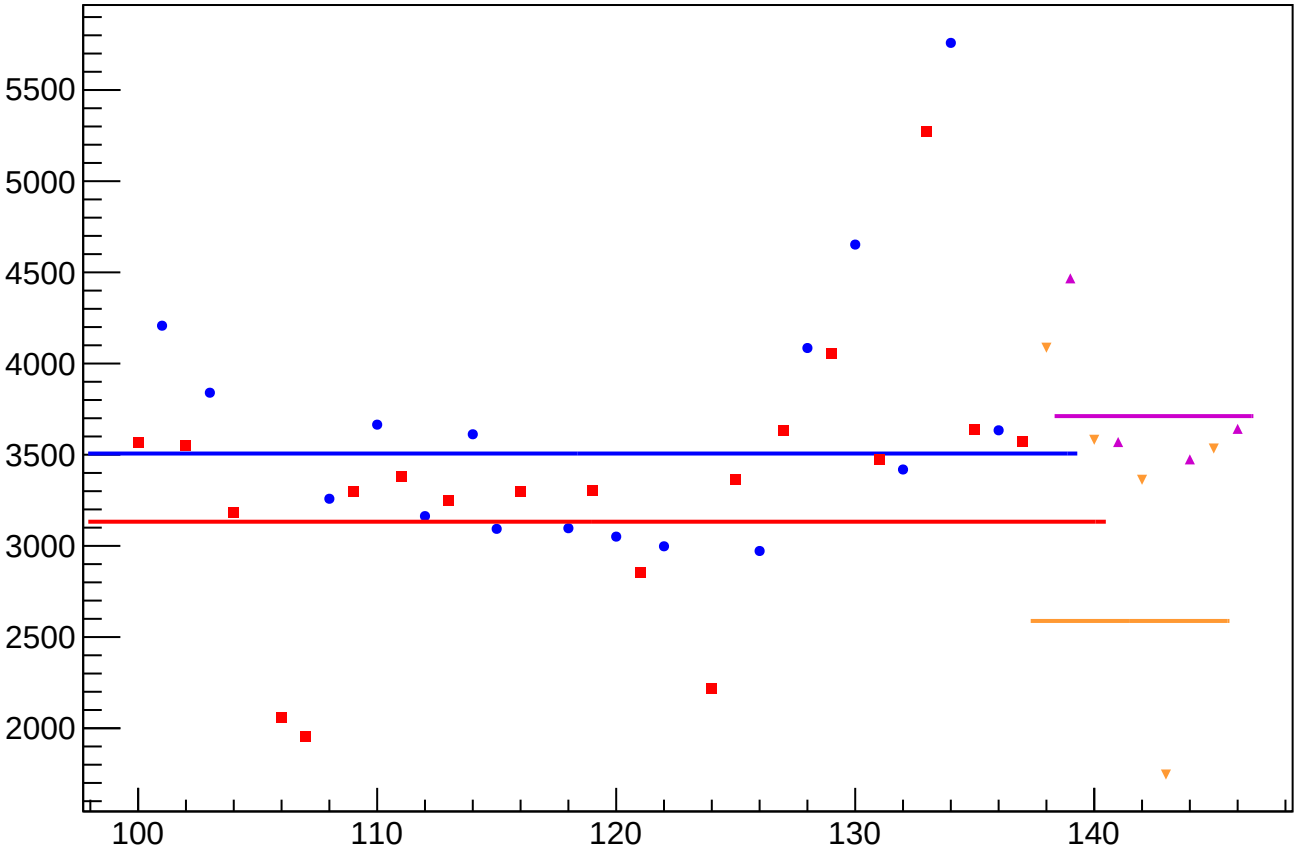
Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -760.469+/-976.220 χ^2/NDF: 21.9/20

All: -438.716+/-704.288 χ^2/NDF: 41.7/43

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

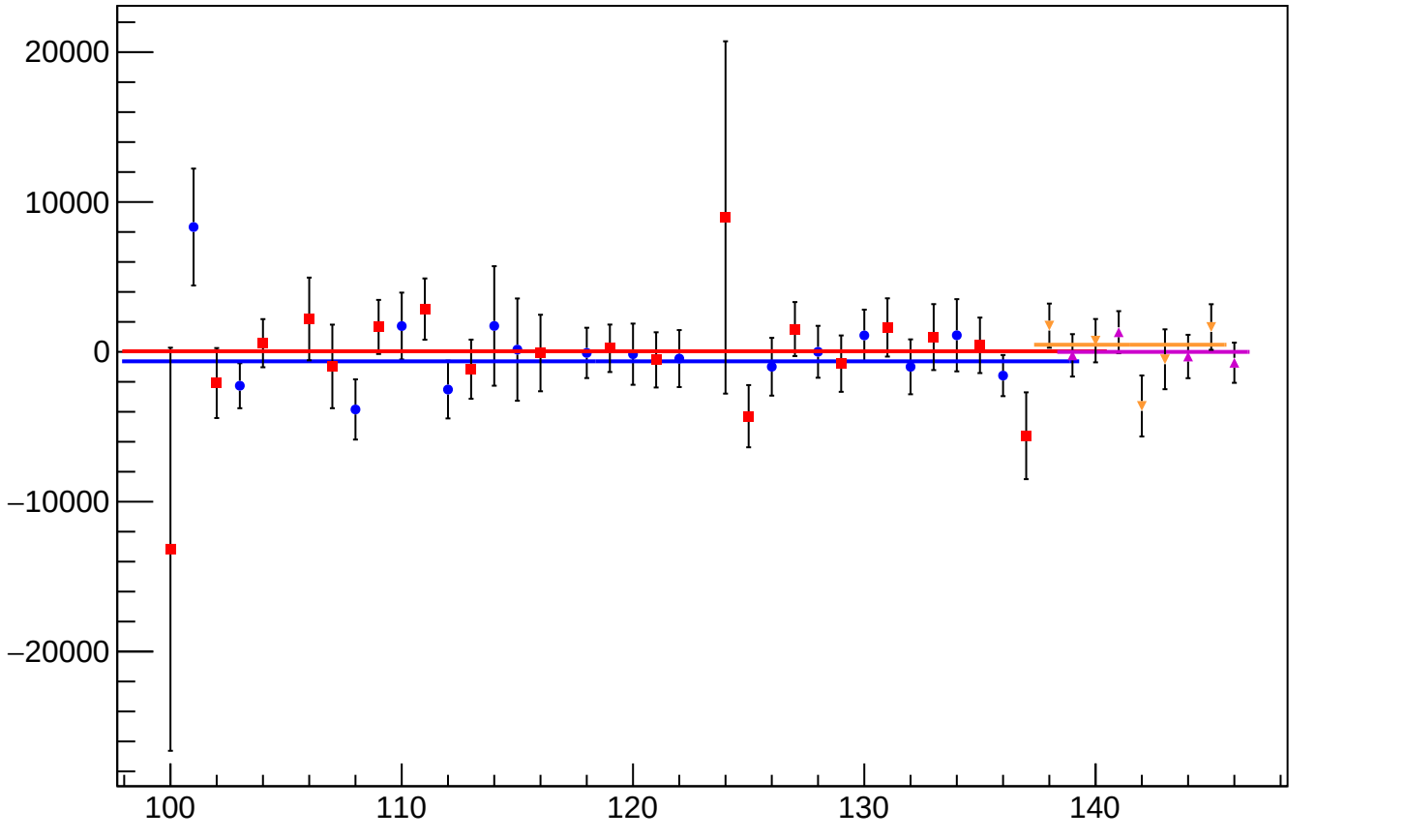
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43

- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

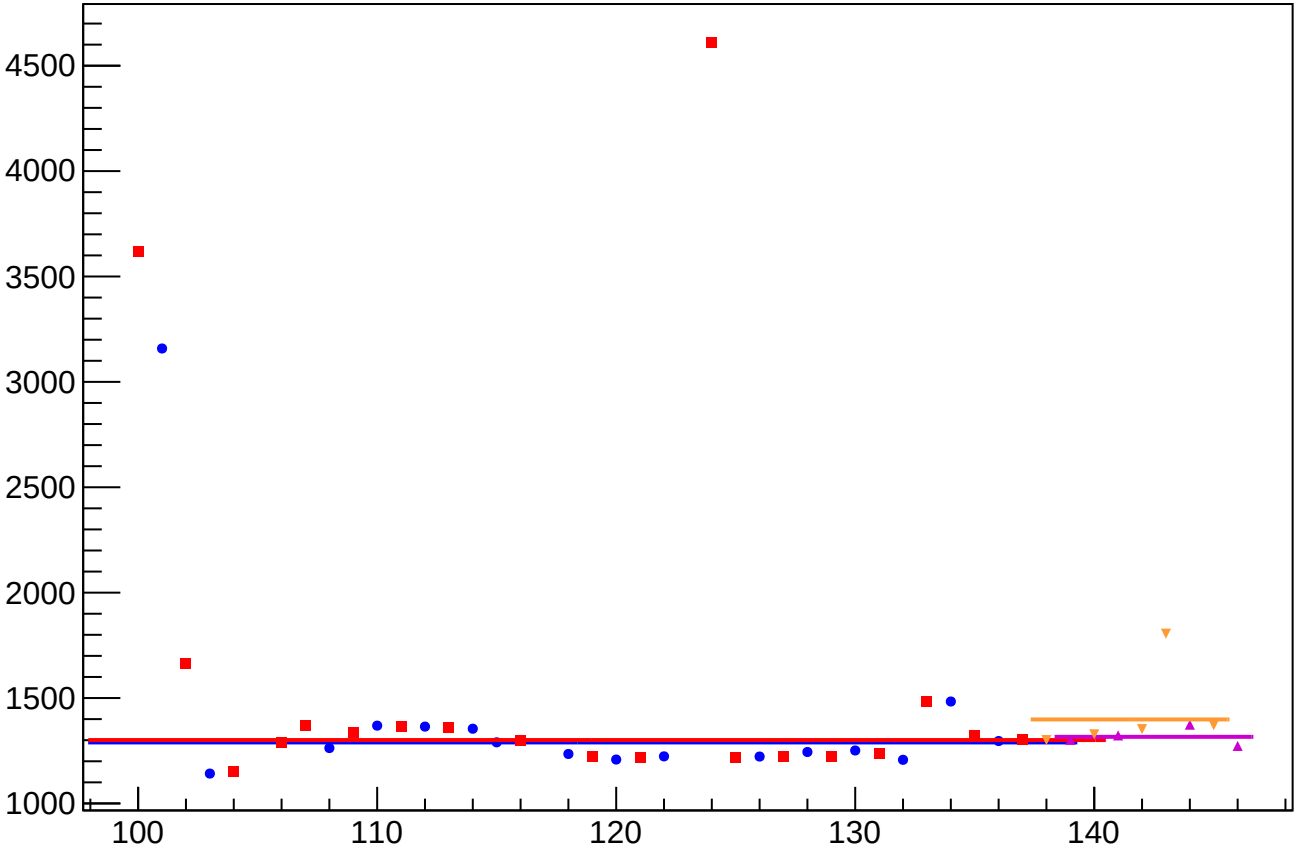
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

\+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -130.426+/-285.276 χ^2/NDF: 39.0/43

\- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

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: 1398.450+/-0.518 χ^2/NDF:98210.8/4

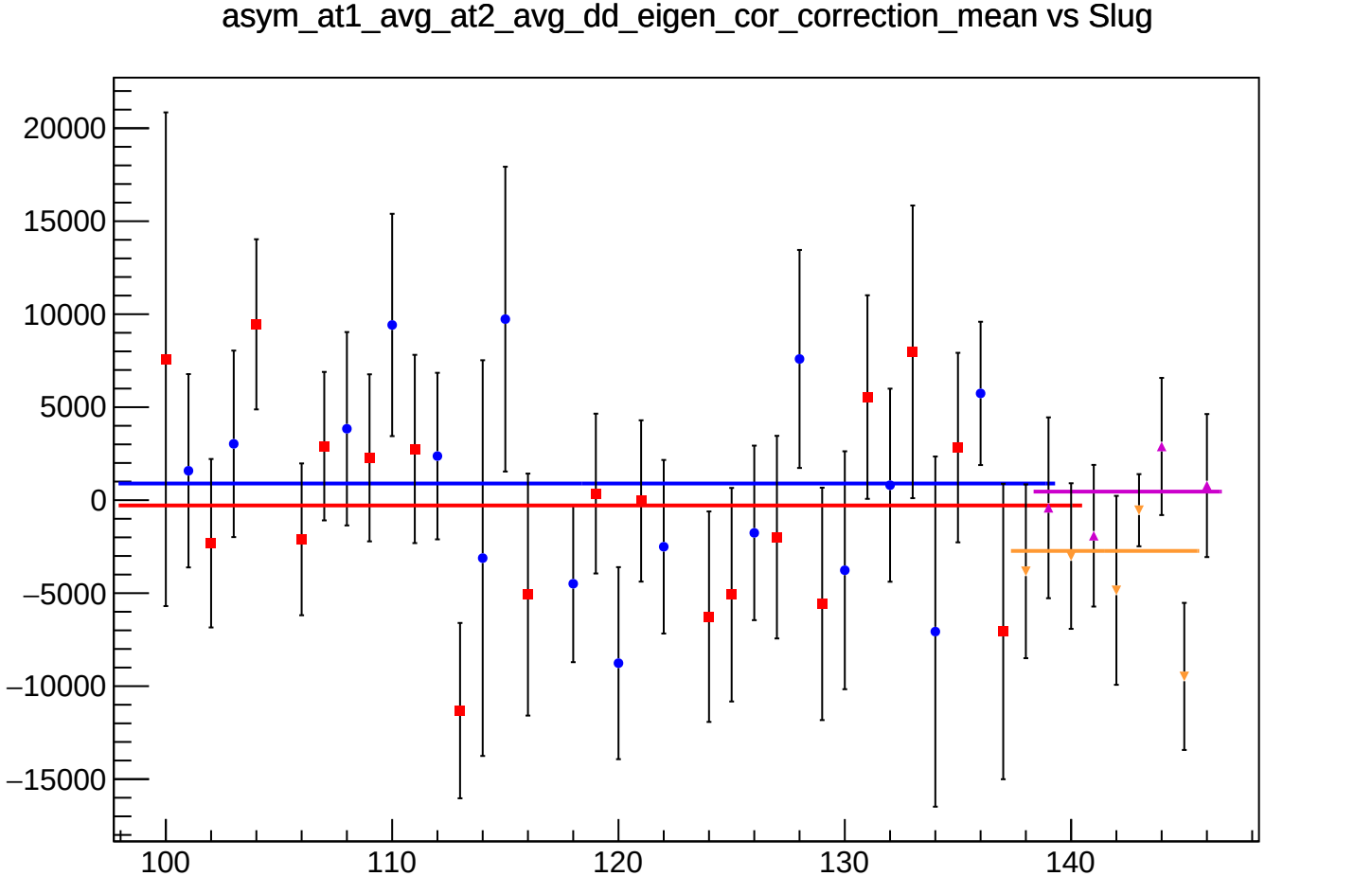
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2728.480+/-1444.035 χ^2/NDF:4.4/4

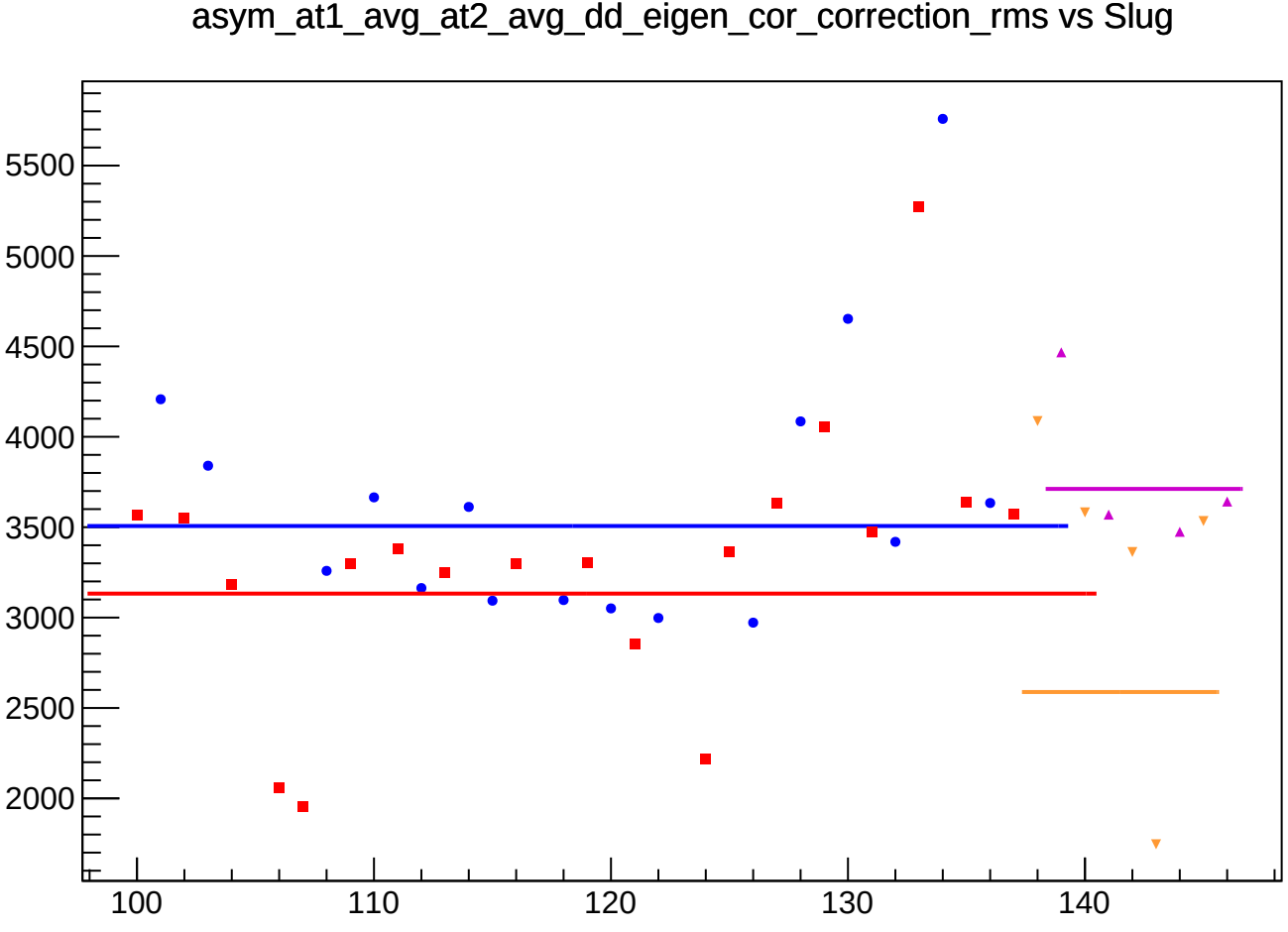
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -760.469+/-976.220 χ^2/NDF: 21.9/20

All: -438.716+/-704.288 χ^2/NDF: 41.7/43

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

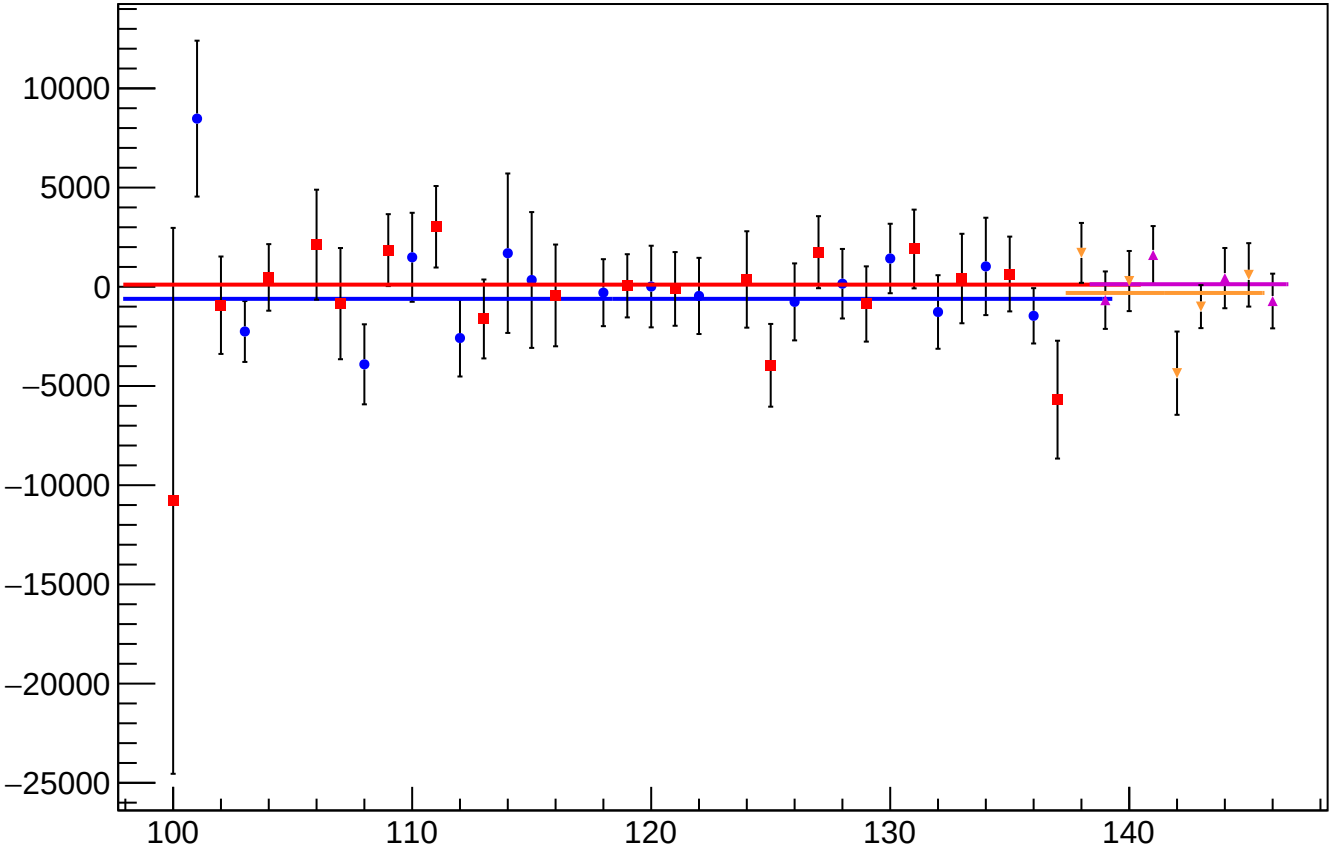
Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

\+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43

\- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.693+/-653.179 χ^2/NDF:6.4/4

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

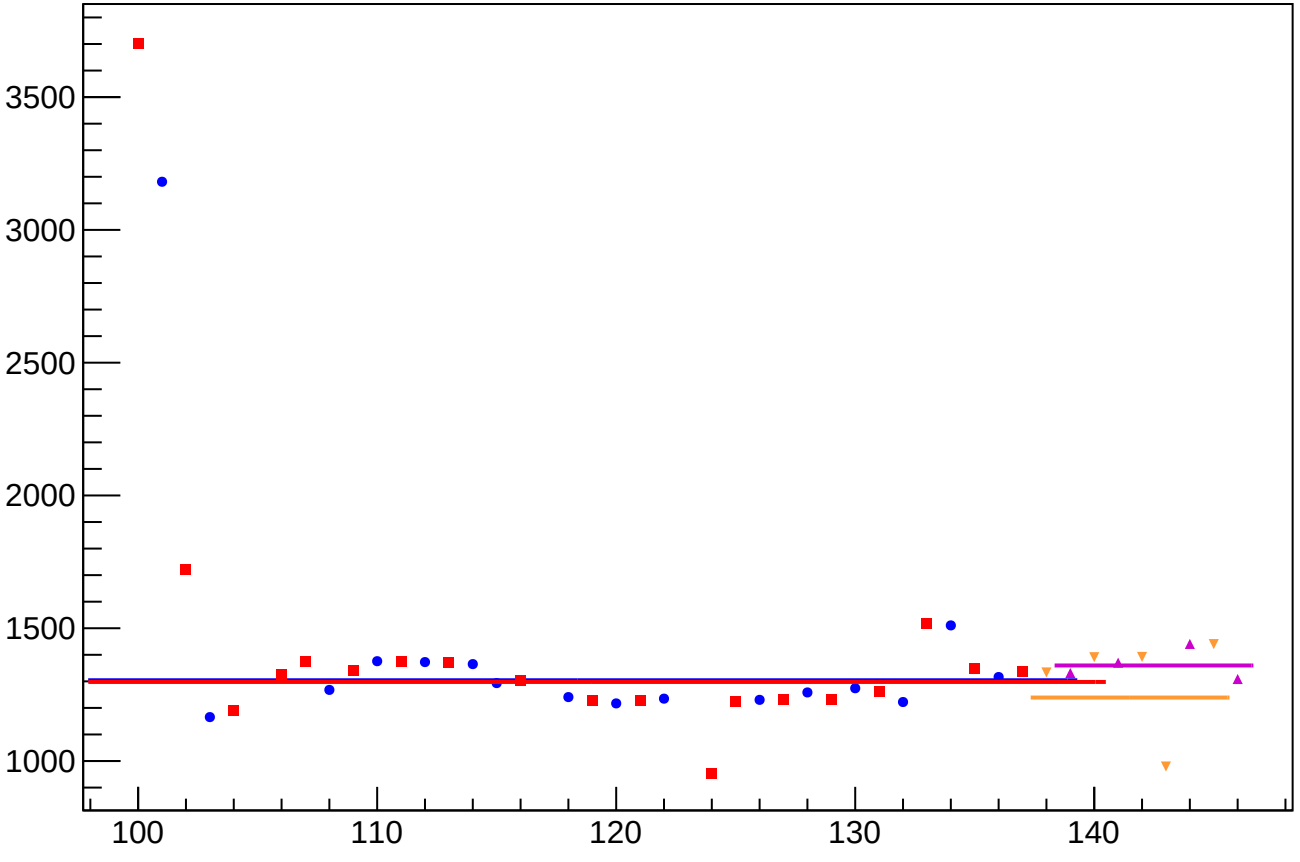
Left In: 129.181+/-723.926 χ^2/NDF:1.8/3

+ sign -499.662+/-394.097 χ^2/NDF: 20.6/20

All: -199.386+/-281.848 χ^2/NDF: 38.4/43

- sign 114.996+/-403.248 χ^2/NDF: 16.6/22

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1238.998+/-0.462 χ^2/NDF:185091.7/4

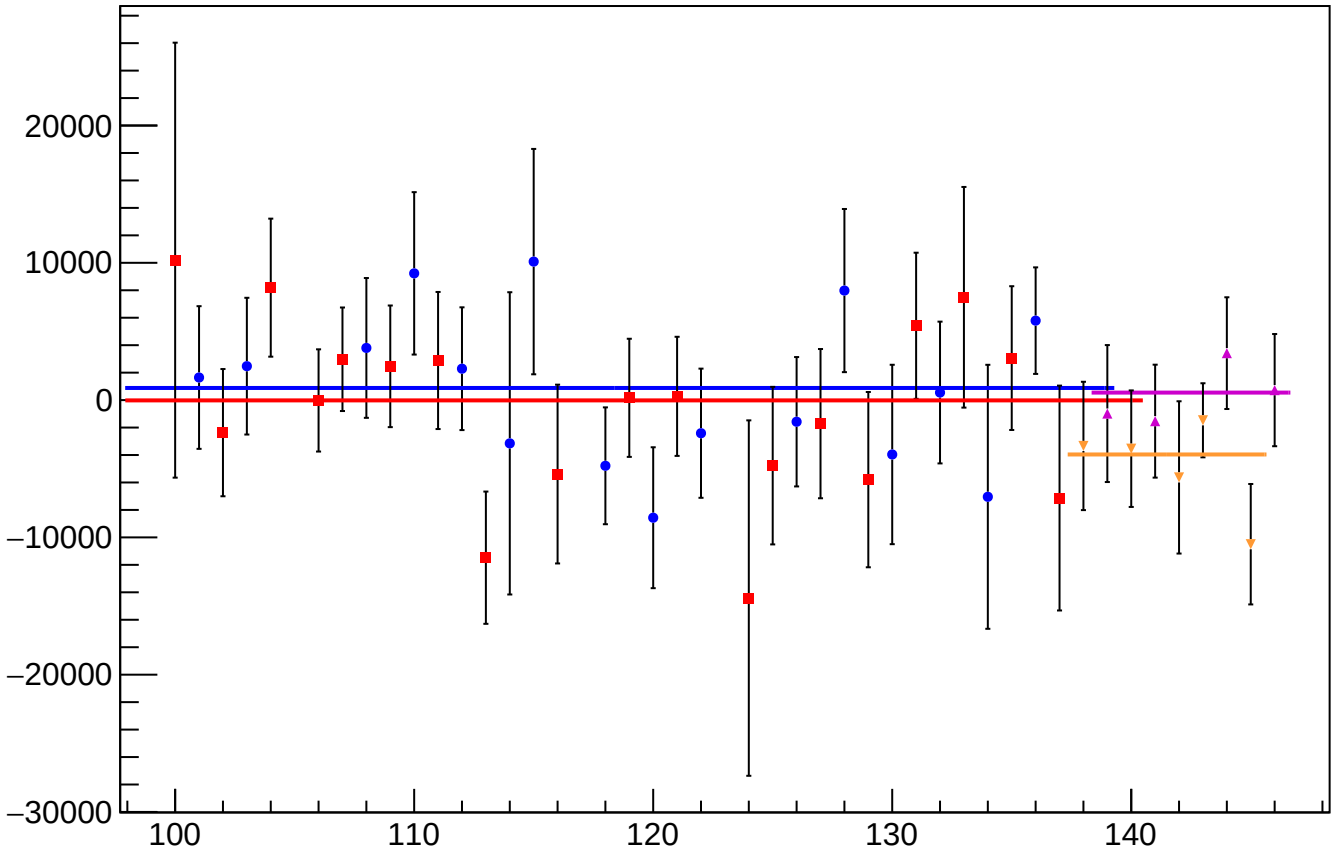
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.402+/-0.279 χ^2/NDF: 708317.2/20

All: 1298.294+/-0.199 χ^2/NDF: 949276.6/43

- sign 1317.007+/-0.285 χ^2/NDF: 232525.8/22



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3960.020+/-1758.978 χ^2/NDF:3.2/4

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

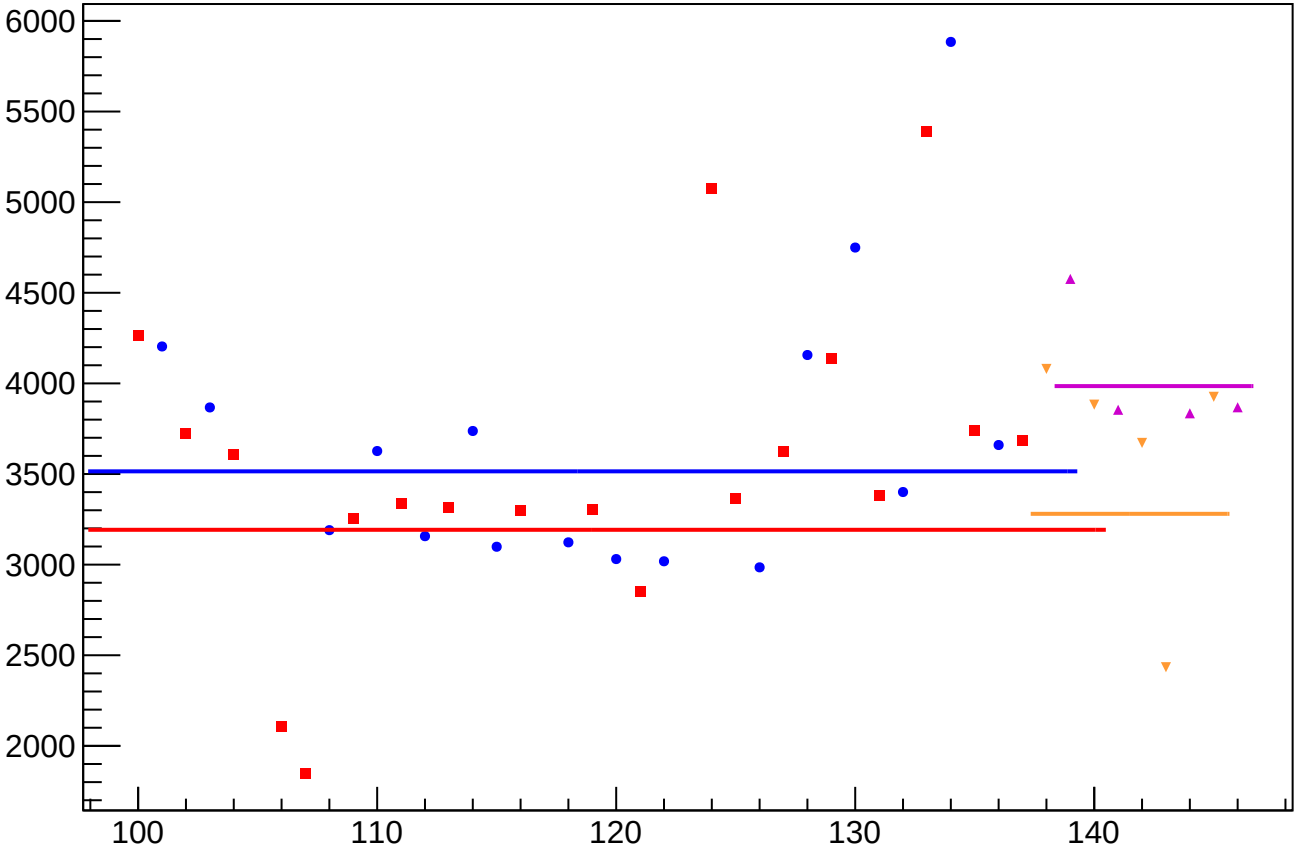
Left In: 547.025+/-2134.009 χ^2/NDF:0.9/3

+ sign -873.607+/-1059.554 χ^2/NDF: 22.1/20

All: -372.572+/-744.372 χ^2/NDF: 40.3/43

- sign 115.707+/-1045.980 χ^2/NDF: 17.7/22

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3280.329+/-1.244 χ^2/NDF:349008.8/4

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

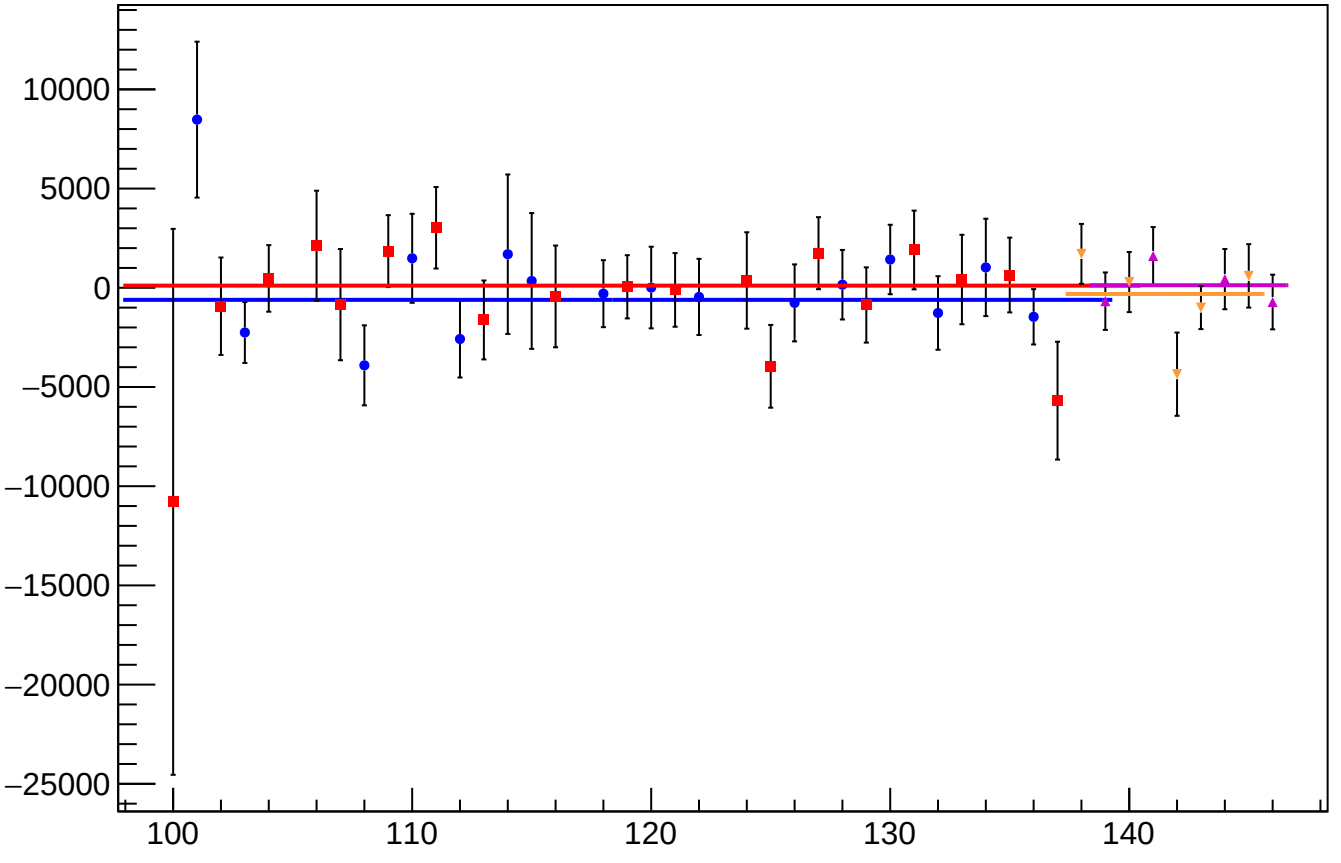
Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

\+ sign 3429.688+/-0.749 χ^2/NDF: 746719.8/20

All: 3405.886+/-0.526 χ^2/NDF: 1765460.0/43

\- sign 3382.690+/-0.740 χ^2/NDF: 1016747.3/22

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: -310.700+/-653.180 χ^2/NDF:6.4/4

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

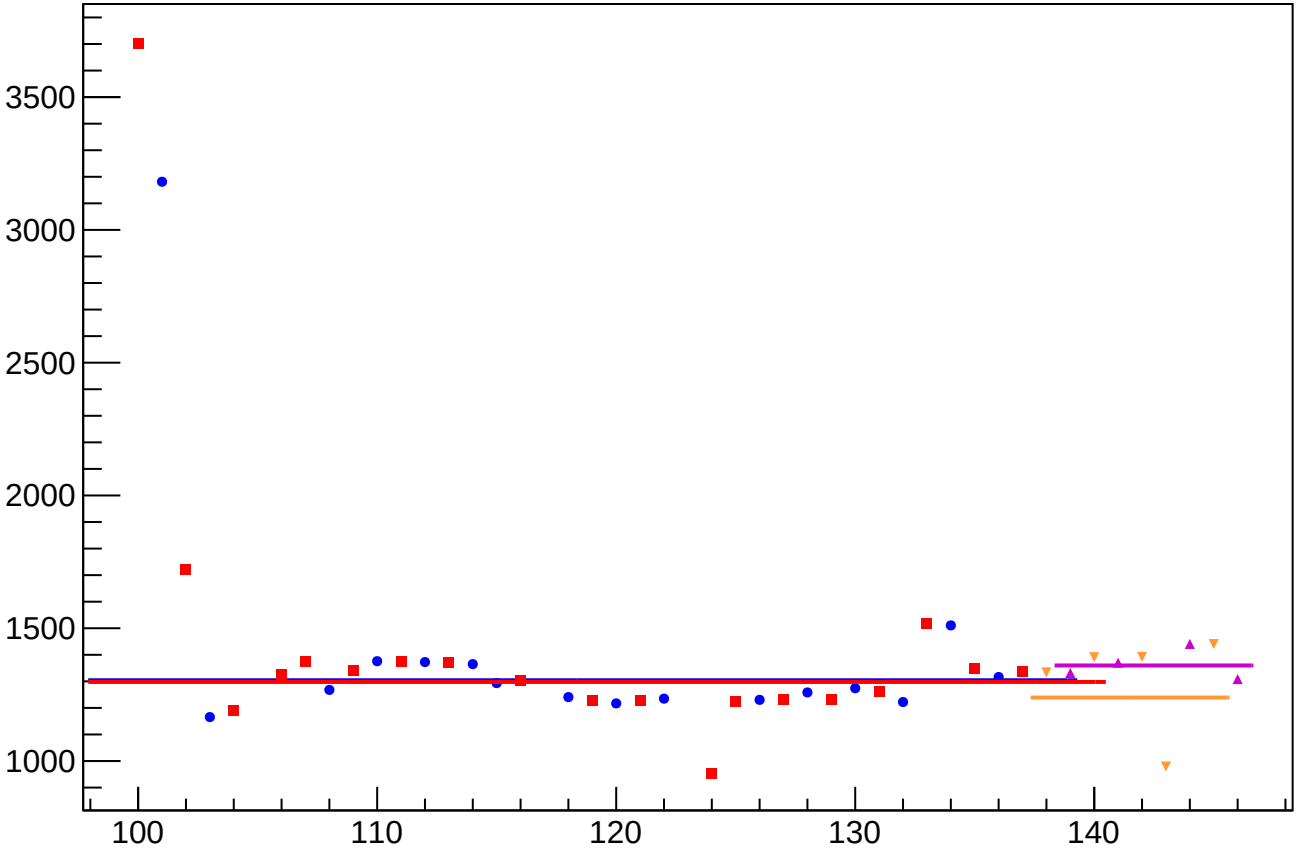
Left In: 129.179+/-723.926 χ^2/NDF:1.8/3

+ sign -499.667+/-394.098 χ^2/NDF: 20.6/20

All: -199.387+/-281.849 χ^2/NDF: 38.4/43

- sign 114.999+/-403.248 χ^2/NDF: 16.6/22

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: 1238.999+/-0.462 χ^2/NDF:185092.0/4

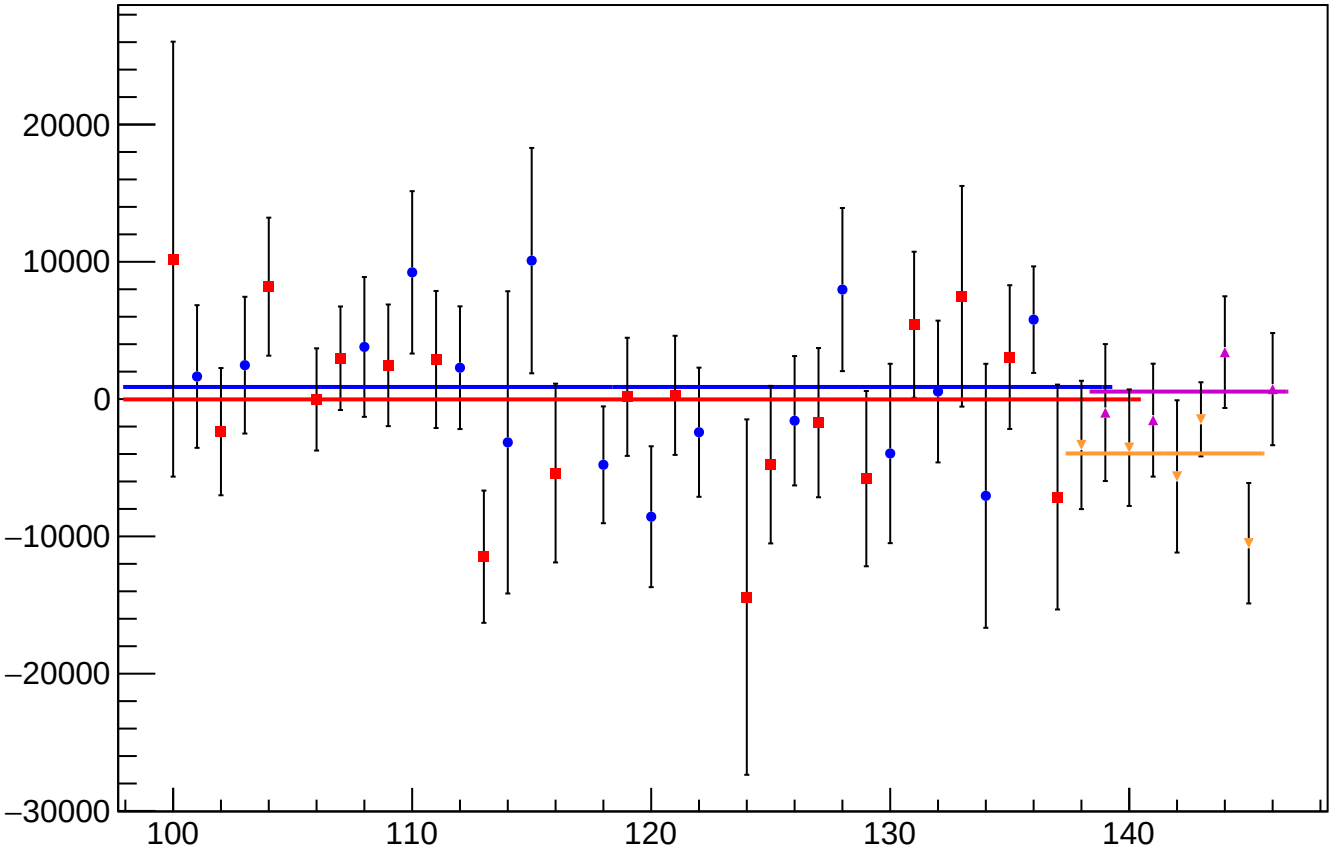
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.403+/-0.279 χ^2/NDF: 708317.2/20

All: 1298.294+/-0.199 χ^2/NDF: 949277.1/43

- sign 1317.008+/-0.285 χ^2/NDF: 232526.2/22



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3960.025+/-1758.981 χ^2/NDF:3.2/4

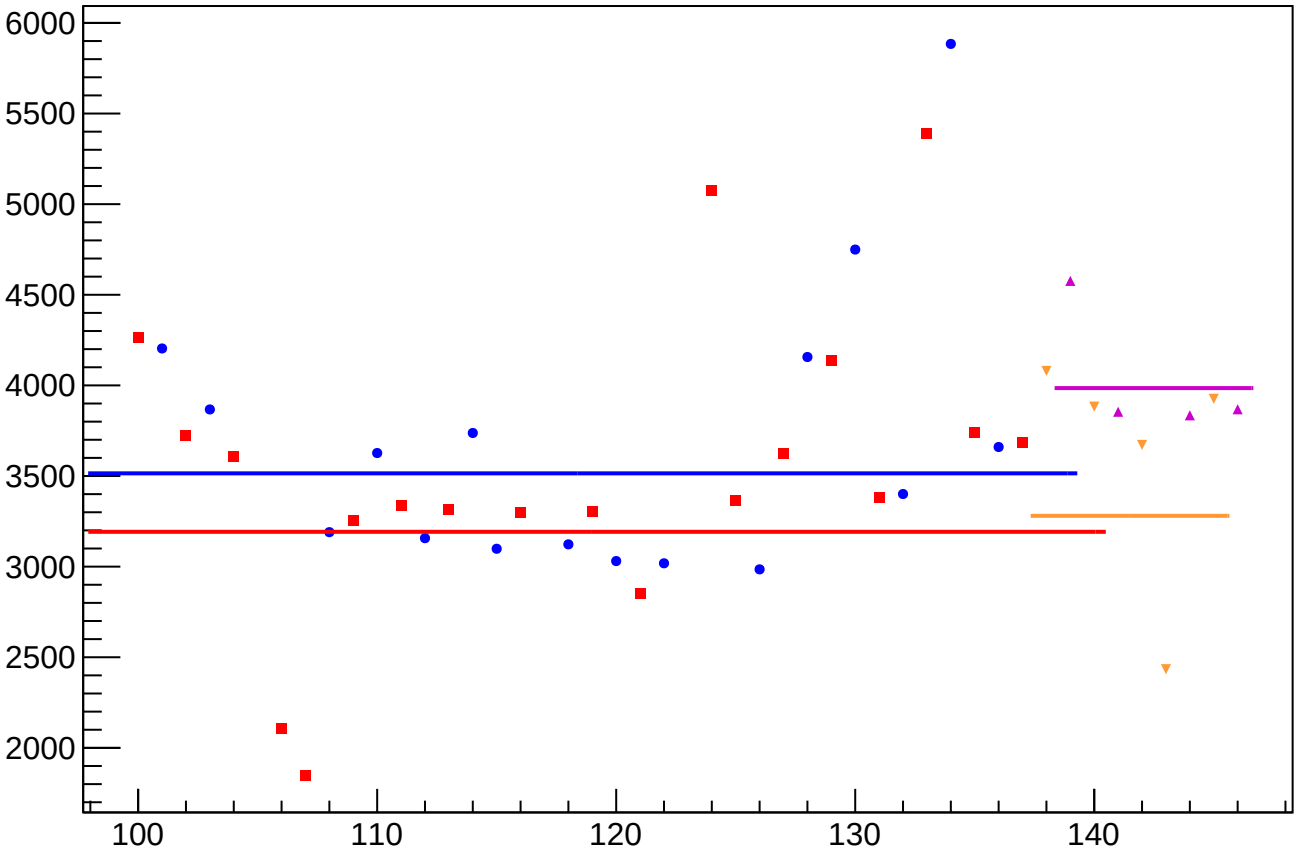
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 547.021+/-2134.013 χ^2/NDF:0.9/3

+ sign -873.606+/-1059.553 χ^2/NDF: 22.1/20

All: -372.571+/-744.371 χ^2/NDF: 40.3/43

- sign 115.709+/-1045.979 χ^2/NDF: 17.7/22



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3280.335+/-1.244 χ^2/NDF:349009.7/4

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

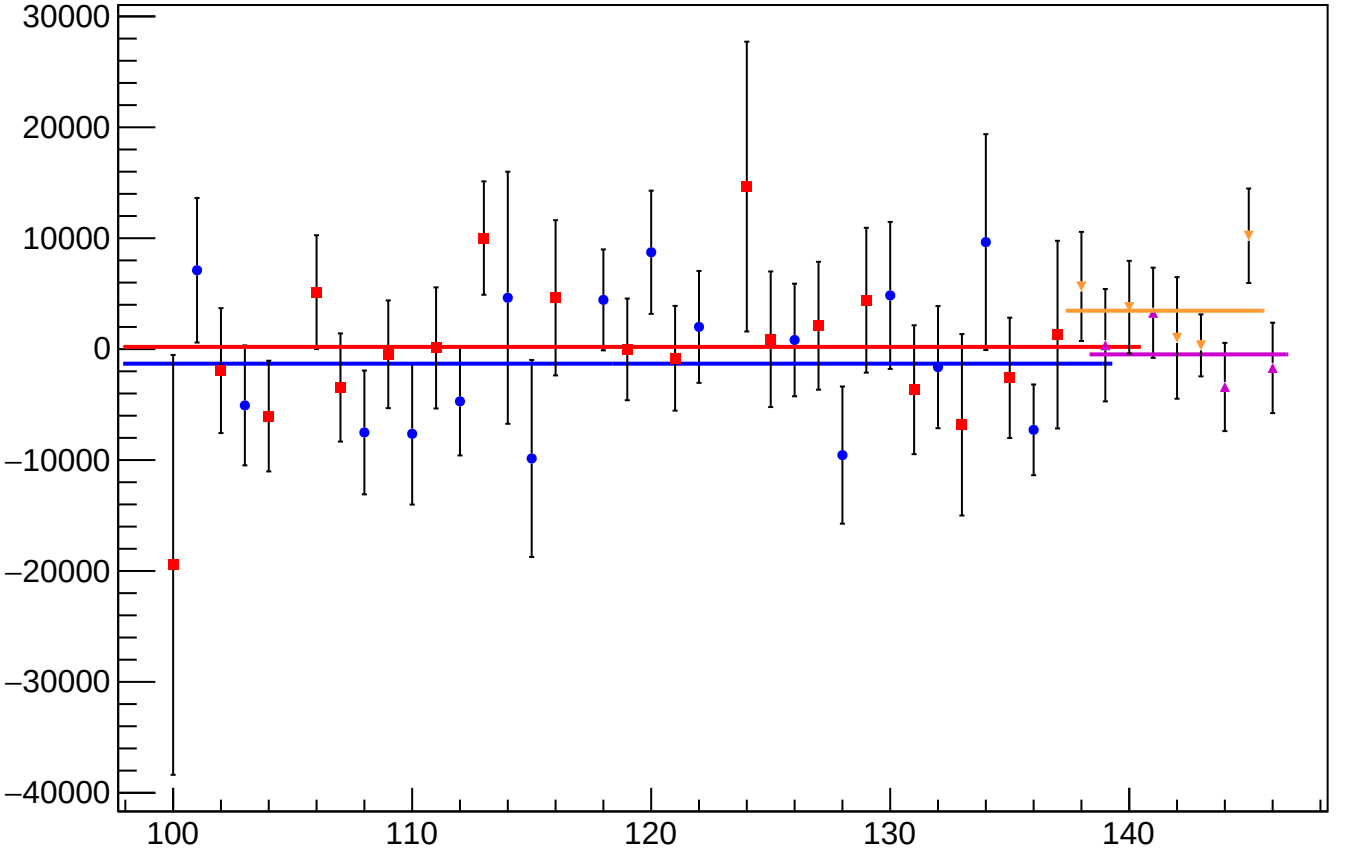
Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

+ sign 3429.685+/-0.749 χ^2/NDF: 746722.0/20

All: 3405.881+/-0.526 χ^2/NDF: 1765472.5/43

- sign 3382.684+/-0.740 χ^2/NDF: 1016757.4/22

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 3463.991+/-1781.602 χ^2/NDF:4.2/4

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

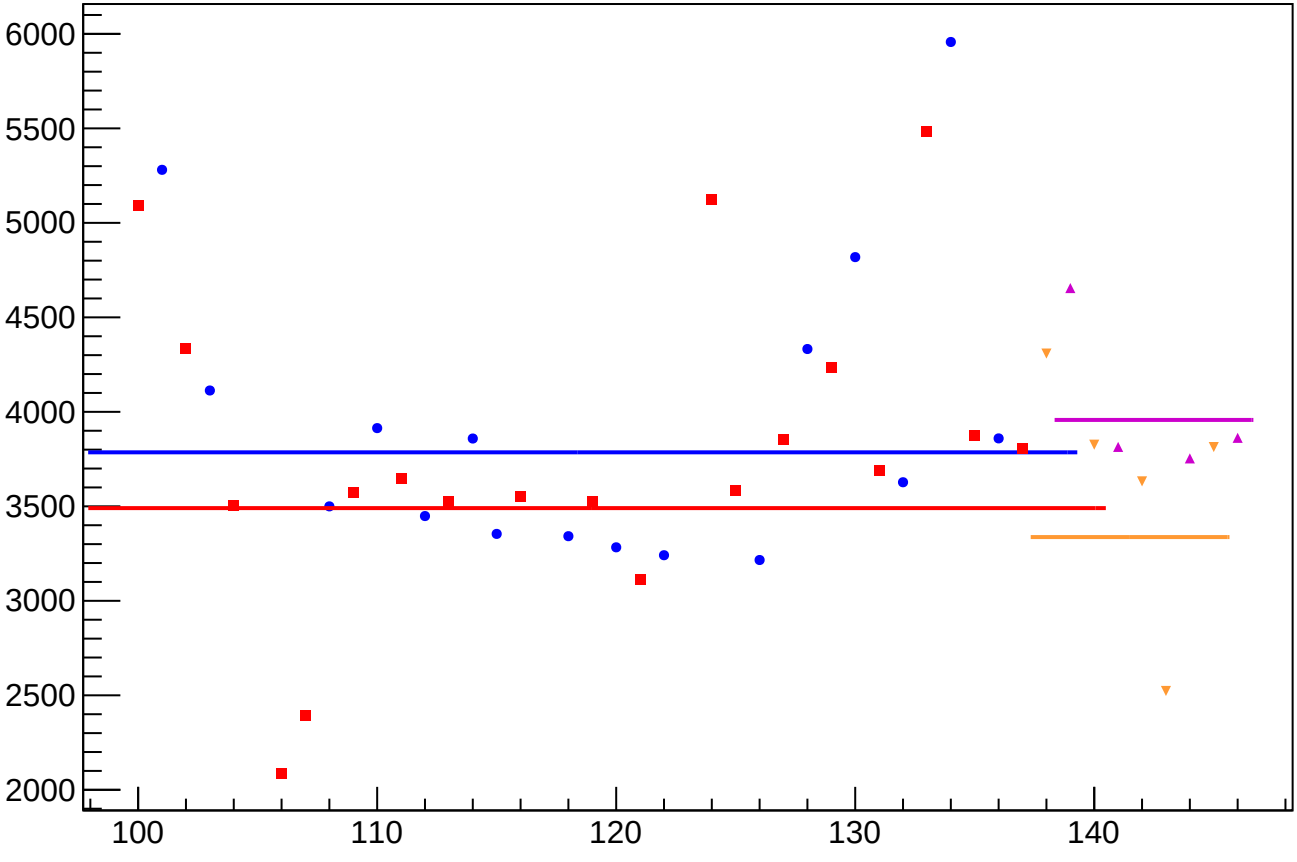
Left In: -473.106+/-2118.256 χ^2/NDF:1.5/3

+ sign 563.514+/-1115.970 χ^2/NDF: 26.1/20

All: 290.016+/-794.043 χ^2/NDF: 39.5/43

- sign 9.570+/-1130.055 χ^2/NDF: 13.2/22

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3337.348+/-1.260 χ^2/NDF:305909.8/4

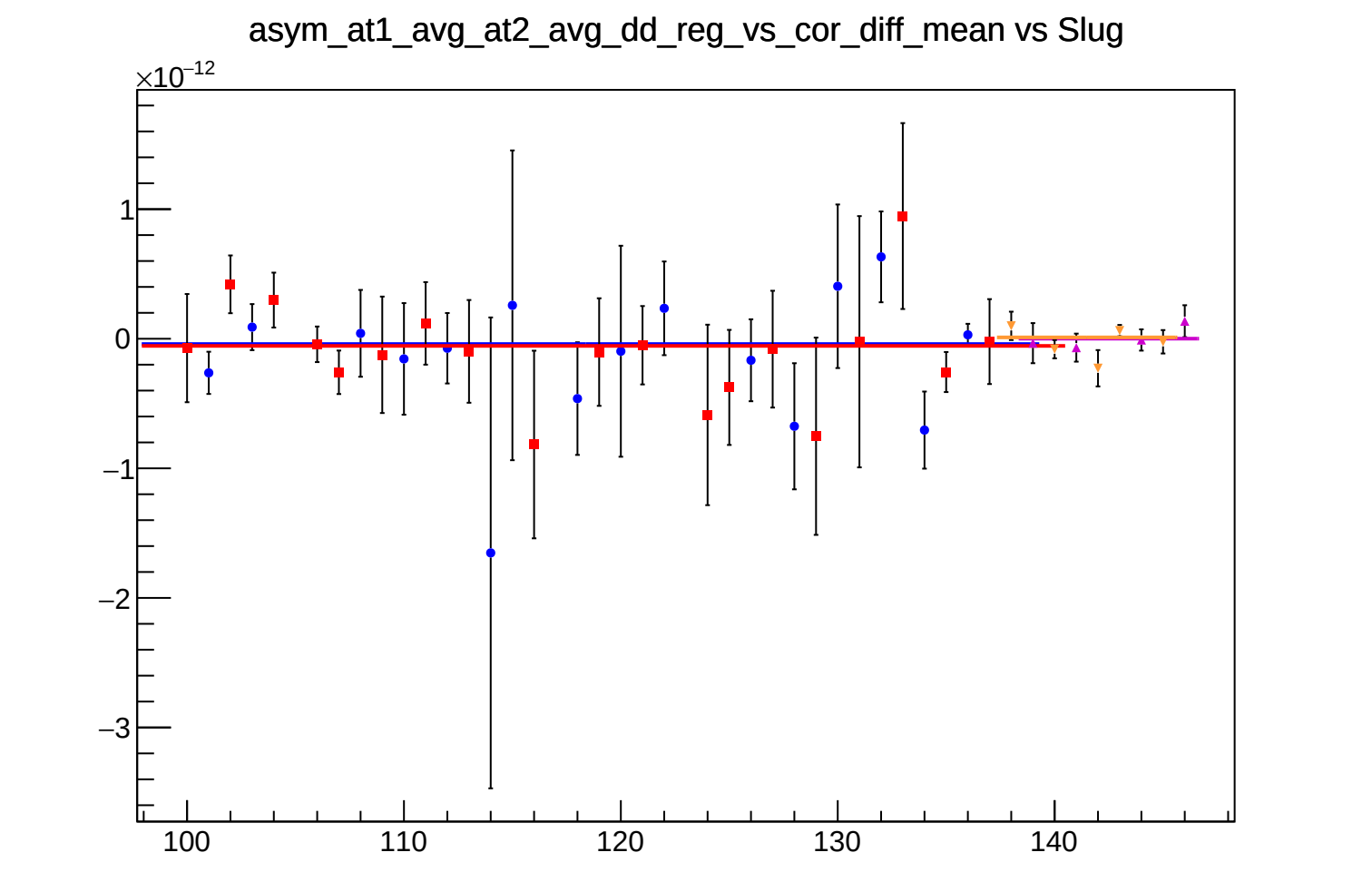
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

+ sign 3609.832+/-0.789 χ^2/NDF: 765893.5/20

All: 3615.313+/-0.559 χ^2/NDF: 1469404.6/43

- sign 3620.824+/-0.791 χ^2/NDF: 703414.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

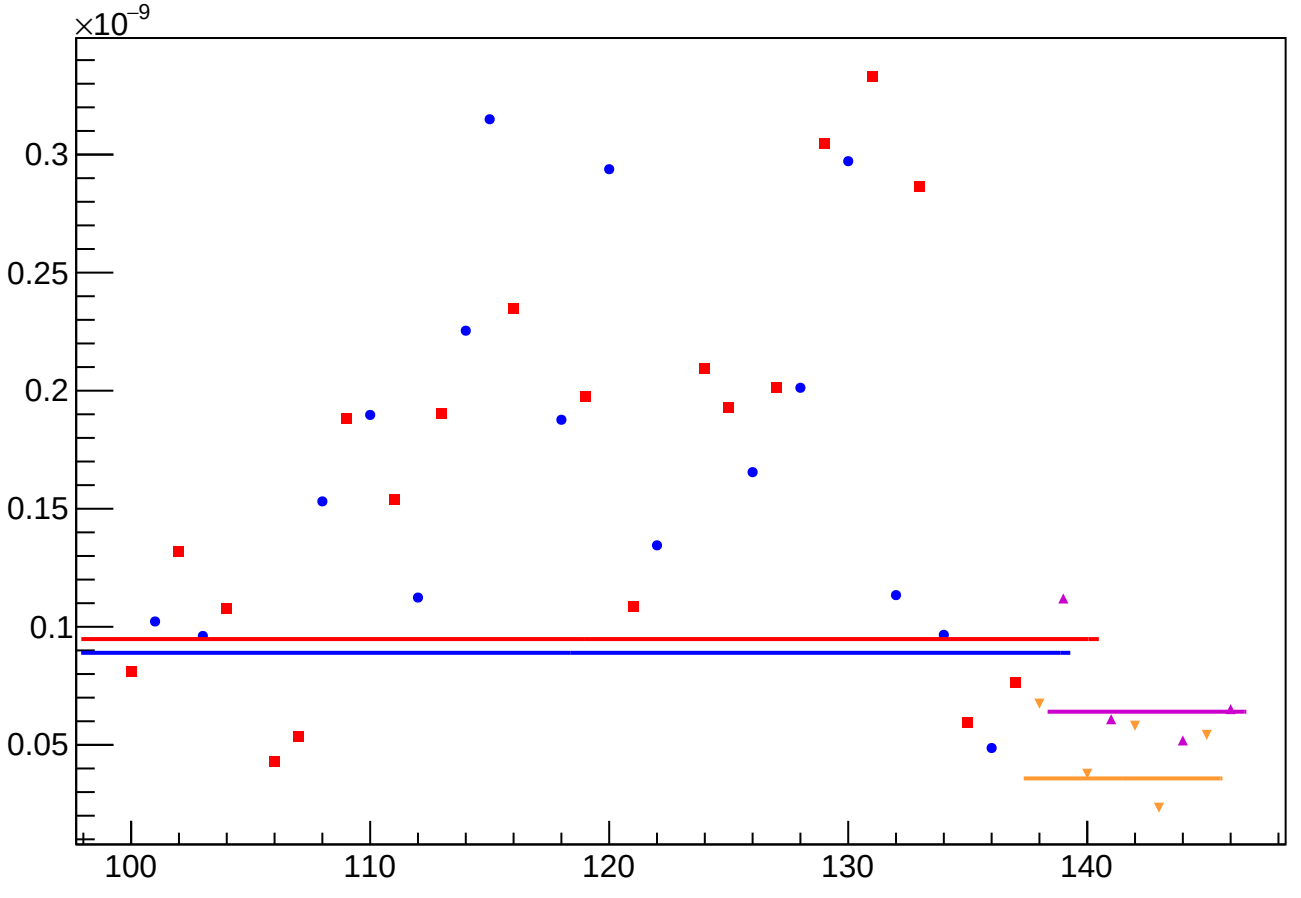
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/20

All: -0.000+/-0.000 χ^2/NDF: 42.2/43

- sign -0.000+/-0.000 χ^2/NDF: 18.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:462218.1/4

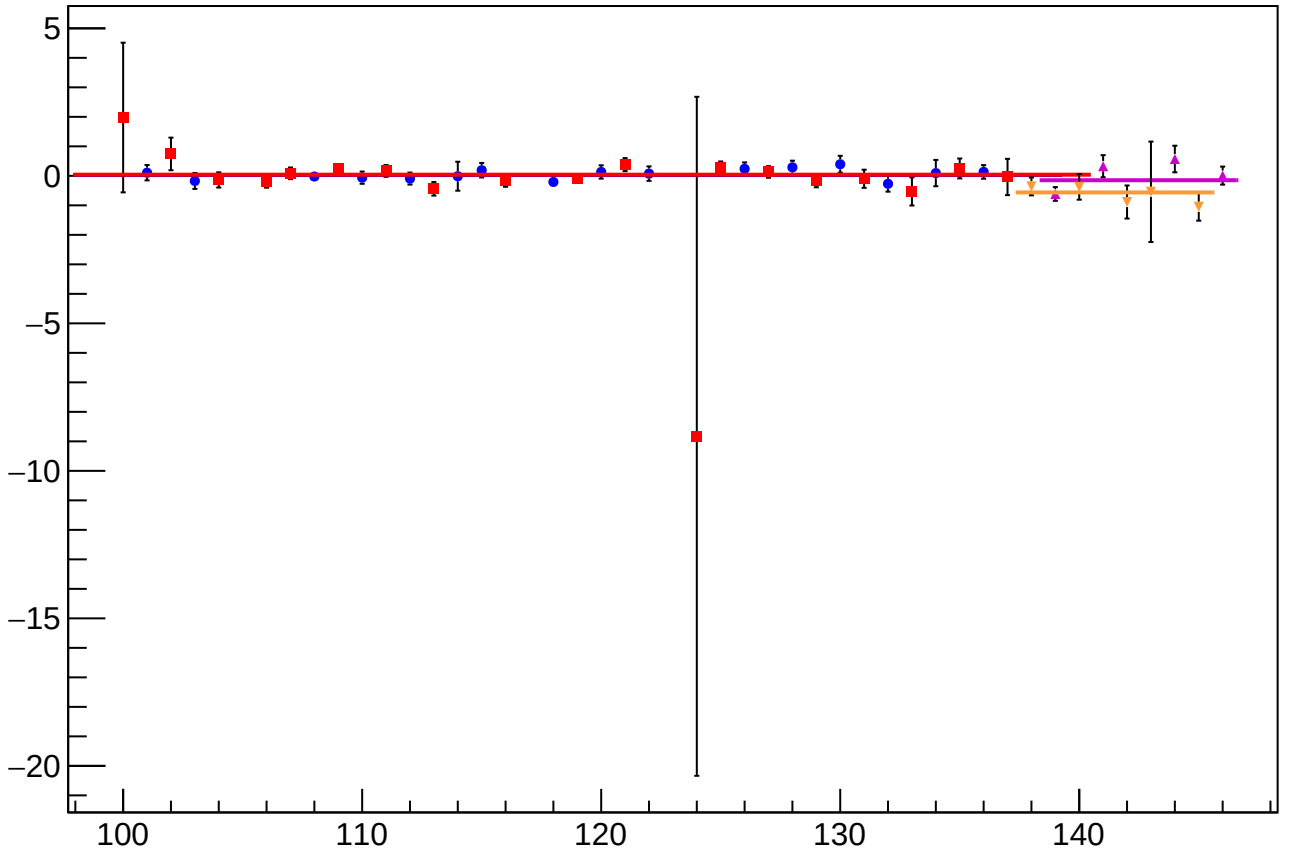
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3178360.2/20

All: 0.000+/-0.000 χ^2/NDF: 6091733.0/43

- sign 0.000+/-0.000 χ^2/NDF: 2242132.1/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

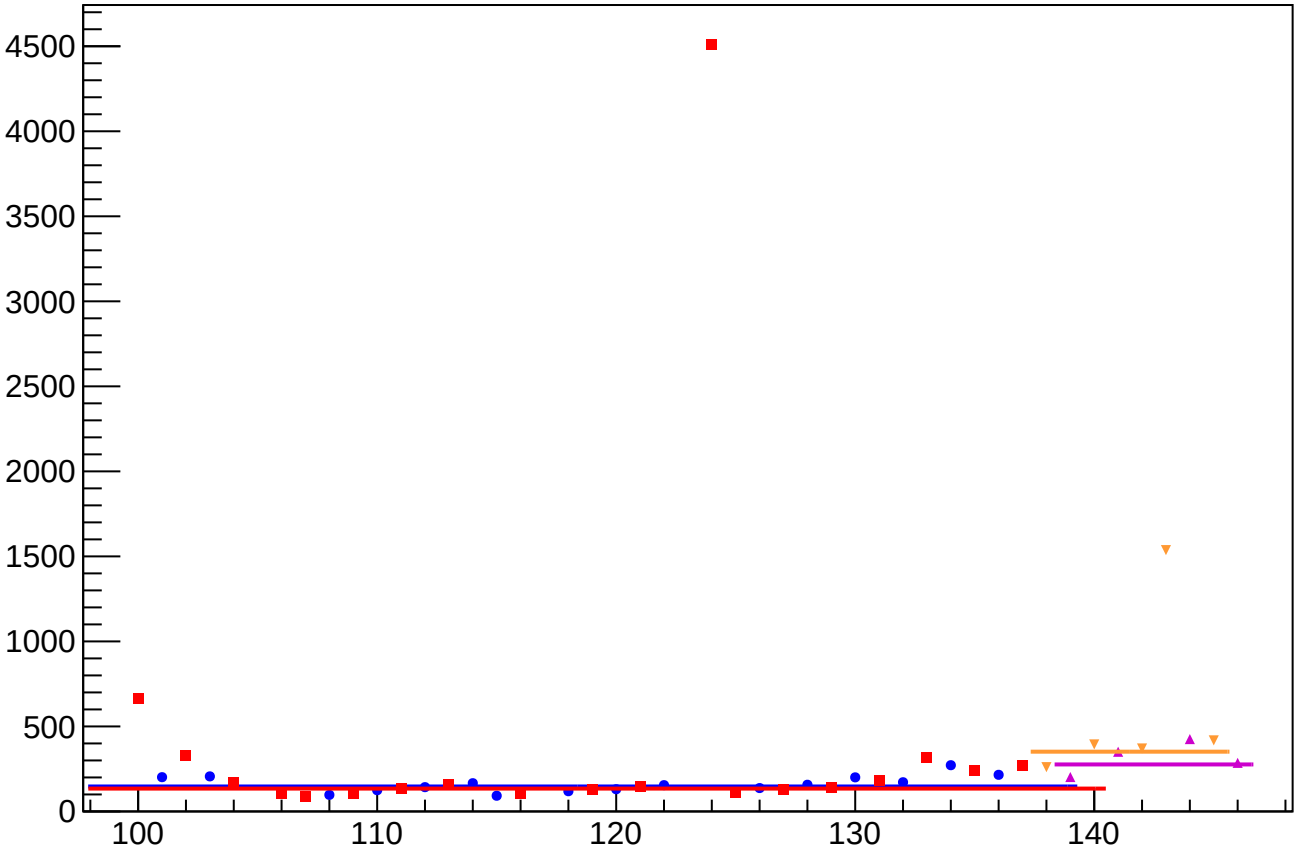
Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22

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: 351.544+/-0.144 χ^2/NDF:1213708.4/4

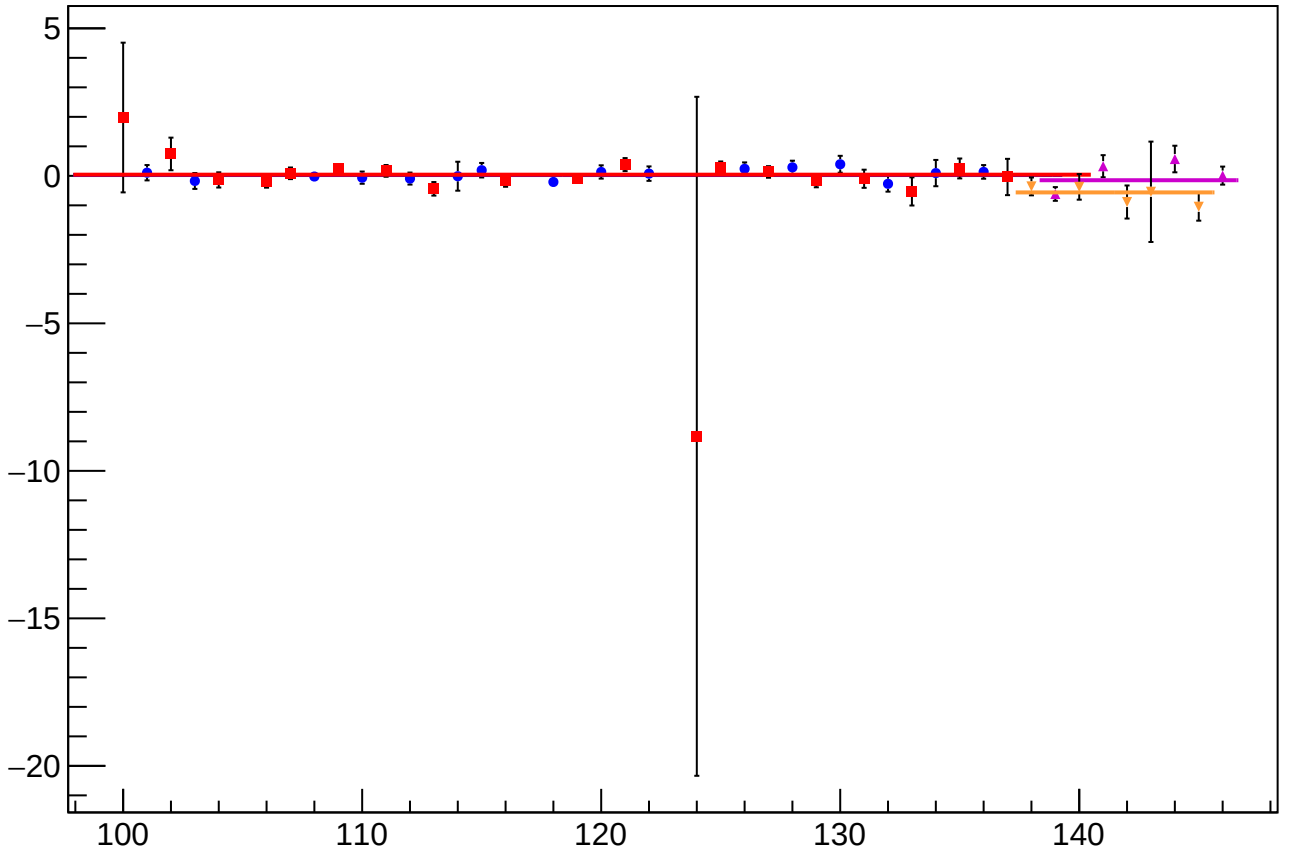
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

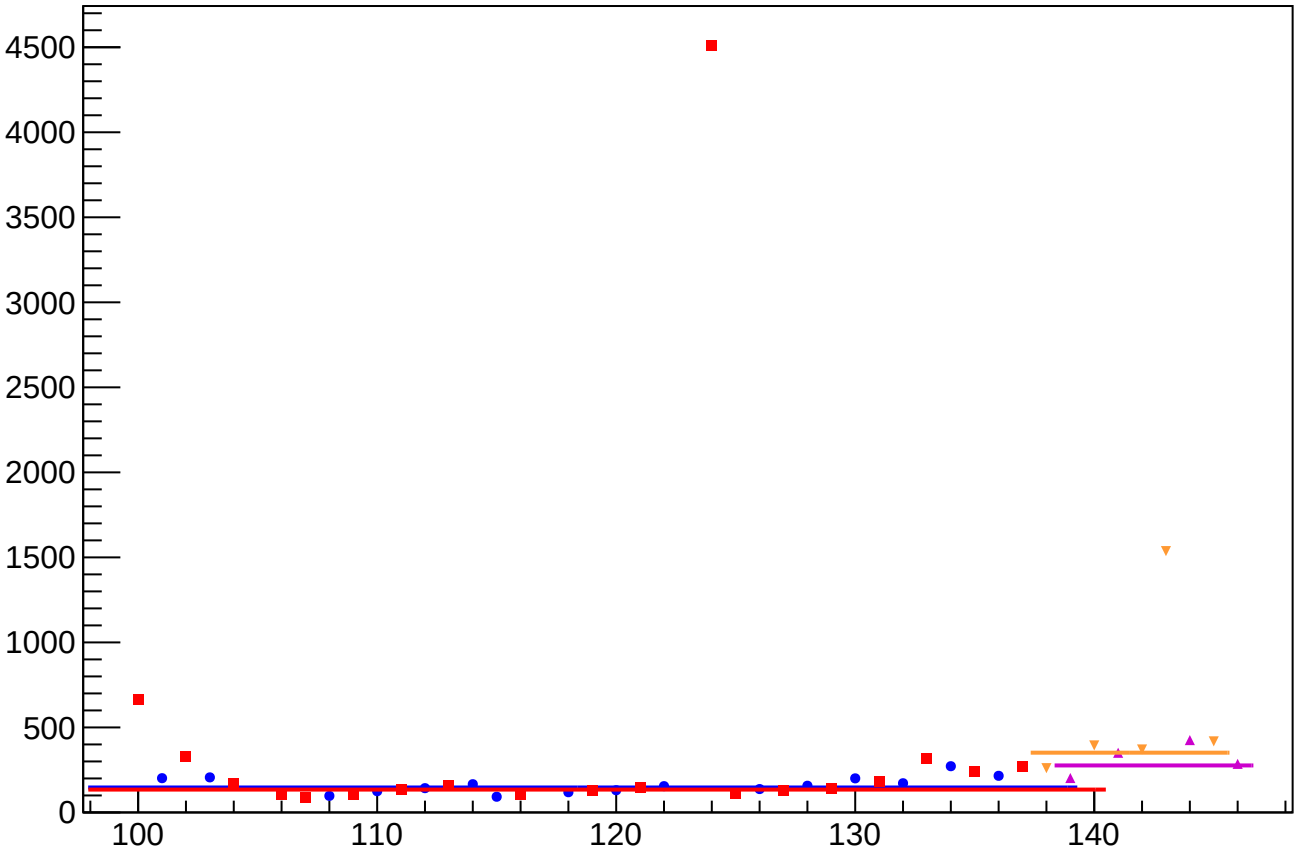
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 351.544+/-0.144 χ^2/NDF:1213708.4/4

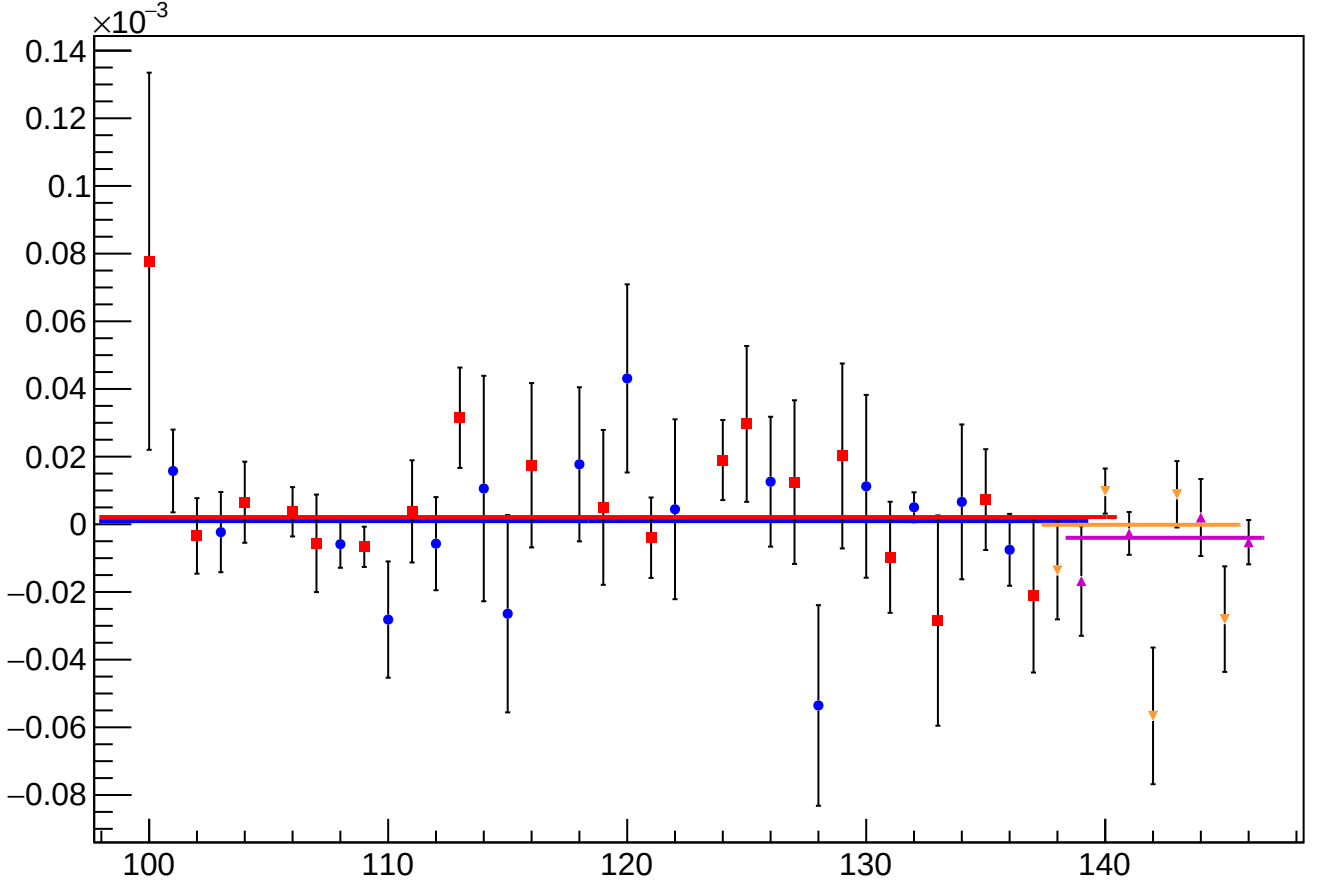
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/4

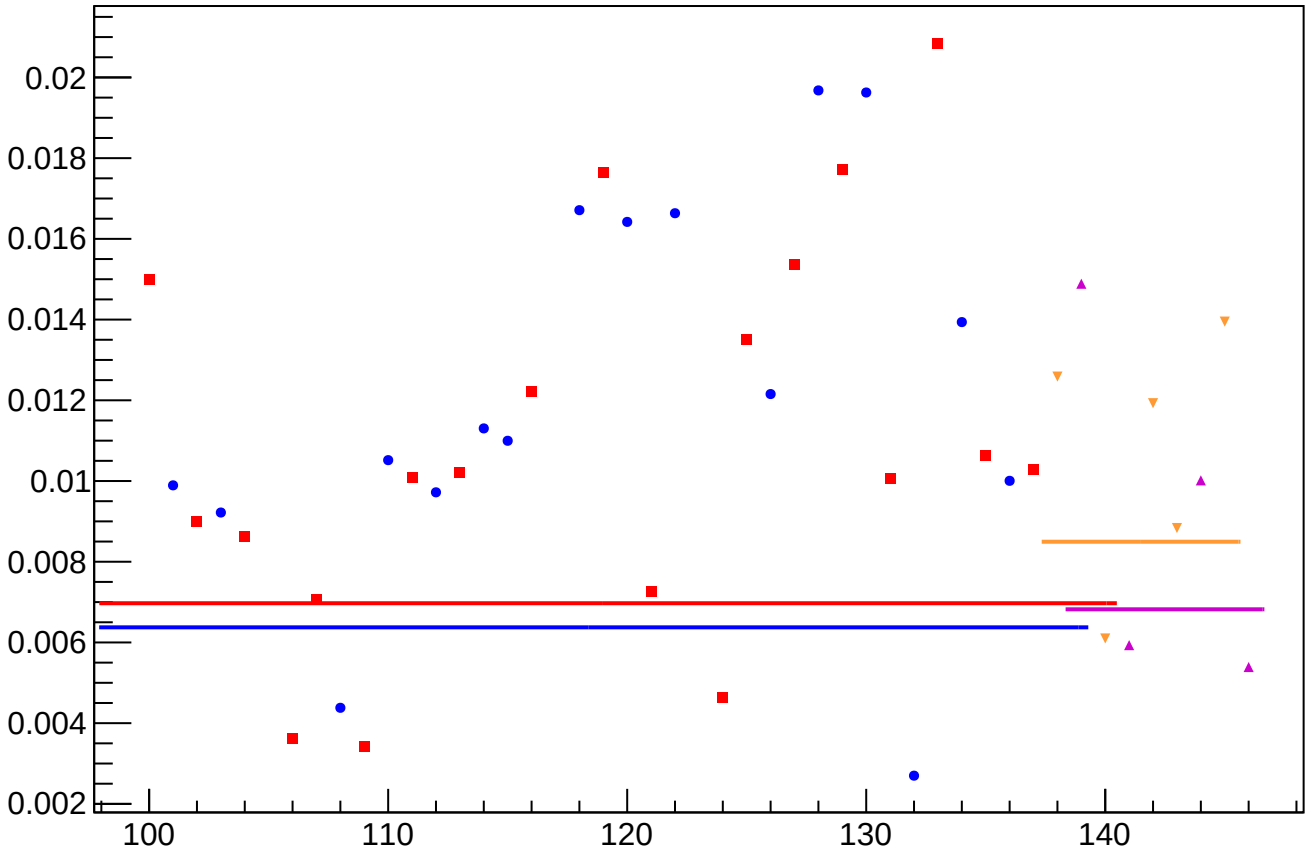
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/20

All: 0.000+/-0.000 χ^2/NDF: 48.4/43

- sign -0.000+/-0.000 χ^2/NDF: 18.5/22



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:723659.6/4

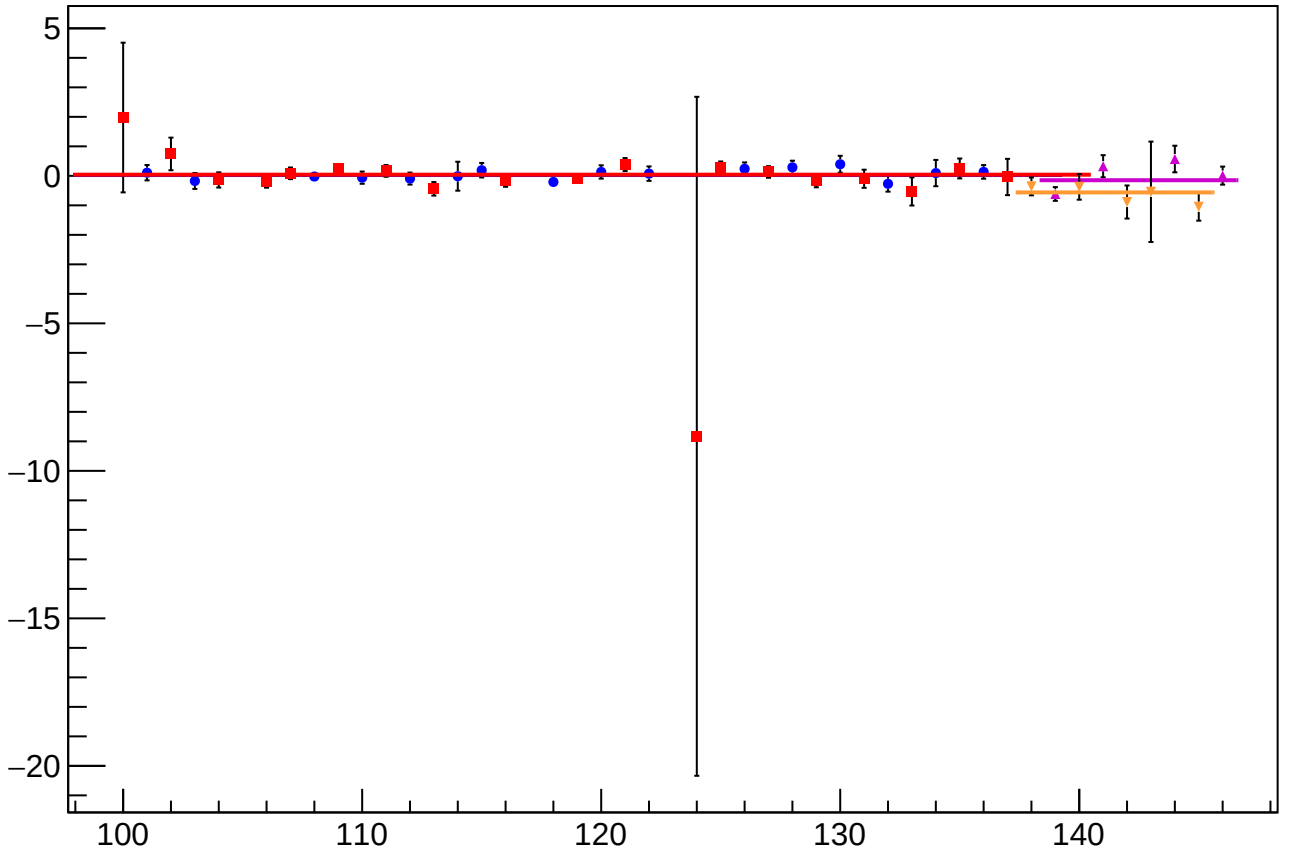
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

+ sign 0.007+/-0.000 χ^2/NDF: 5652236.3/20

All: 0.007+/-0.000 χ^2/NDF: 9852582.6/43

- sign 0.007+/-0.000 χ^2/NDF: 4200098.9/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

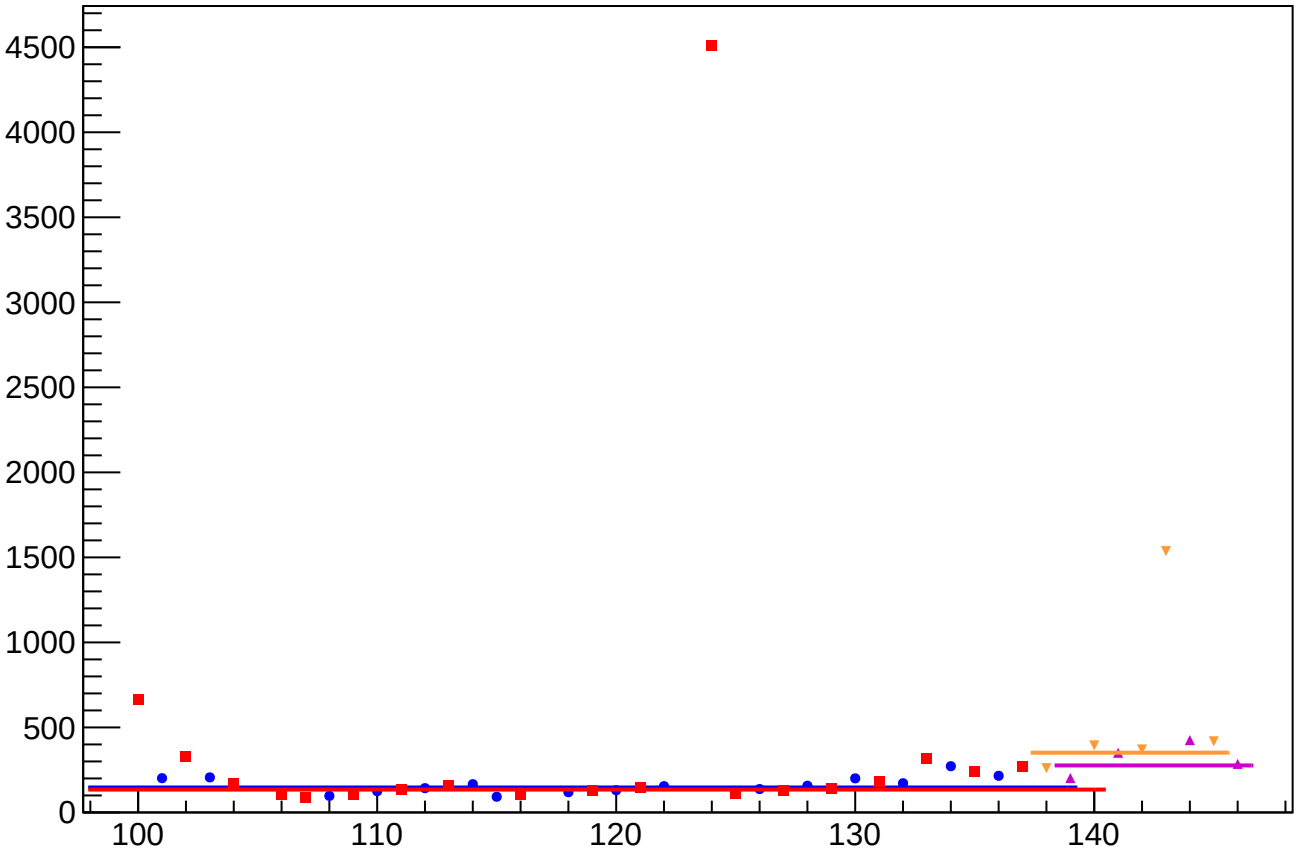
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

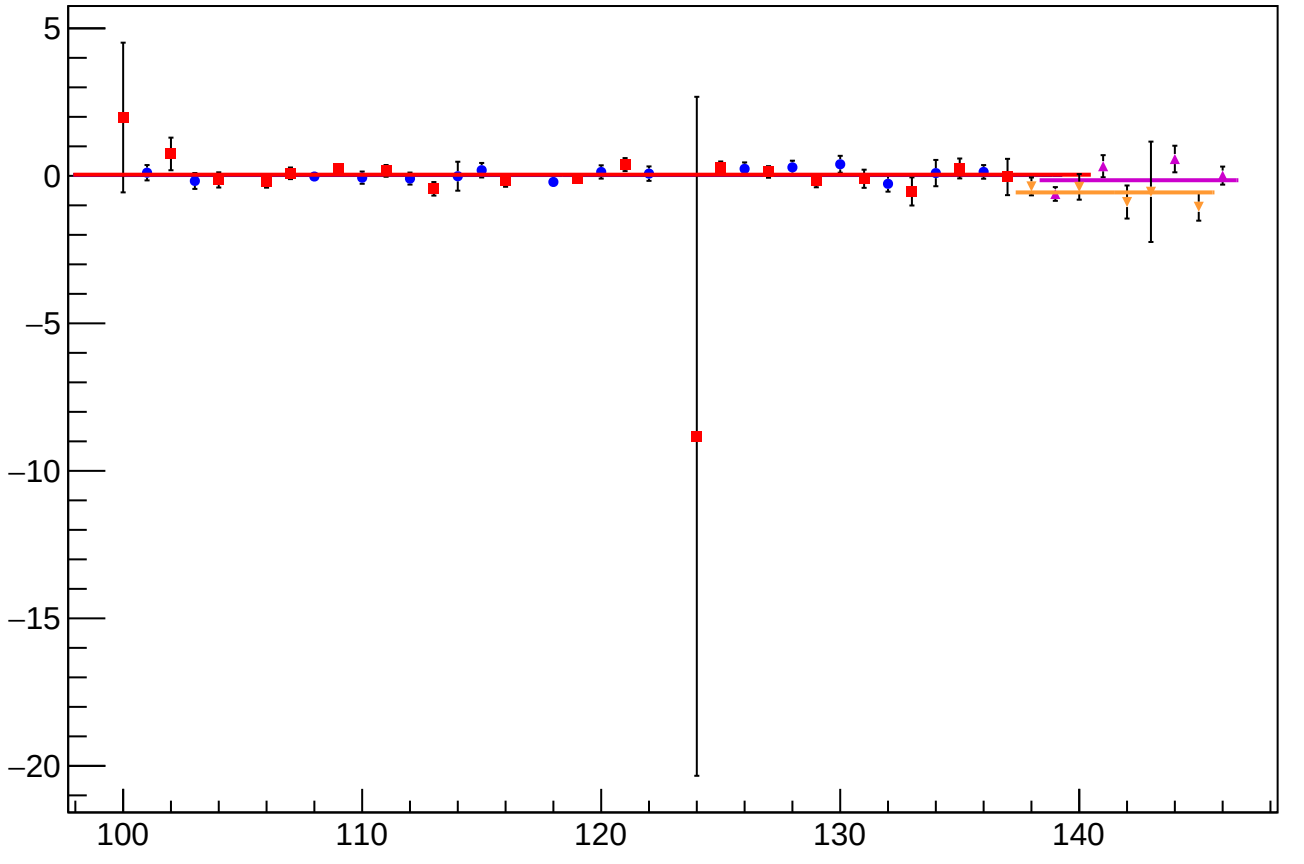
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

\+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

\- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

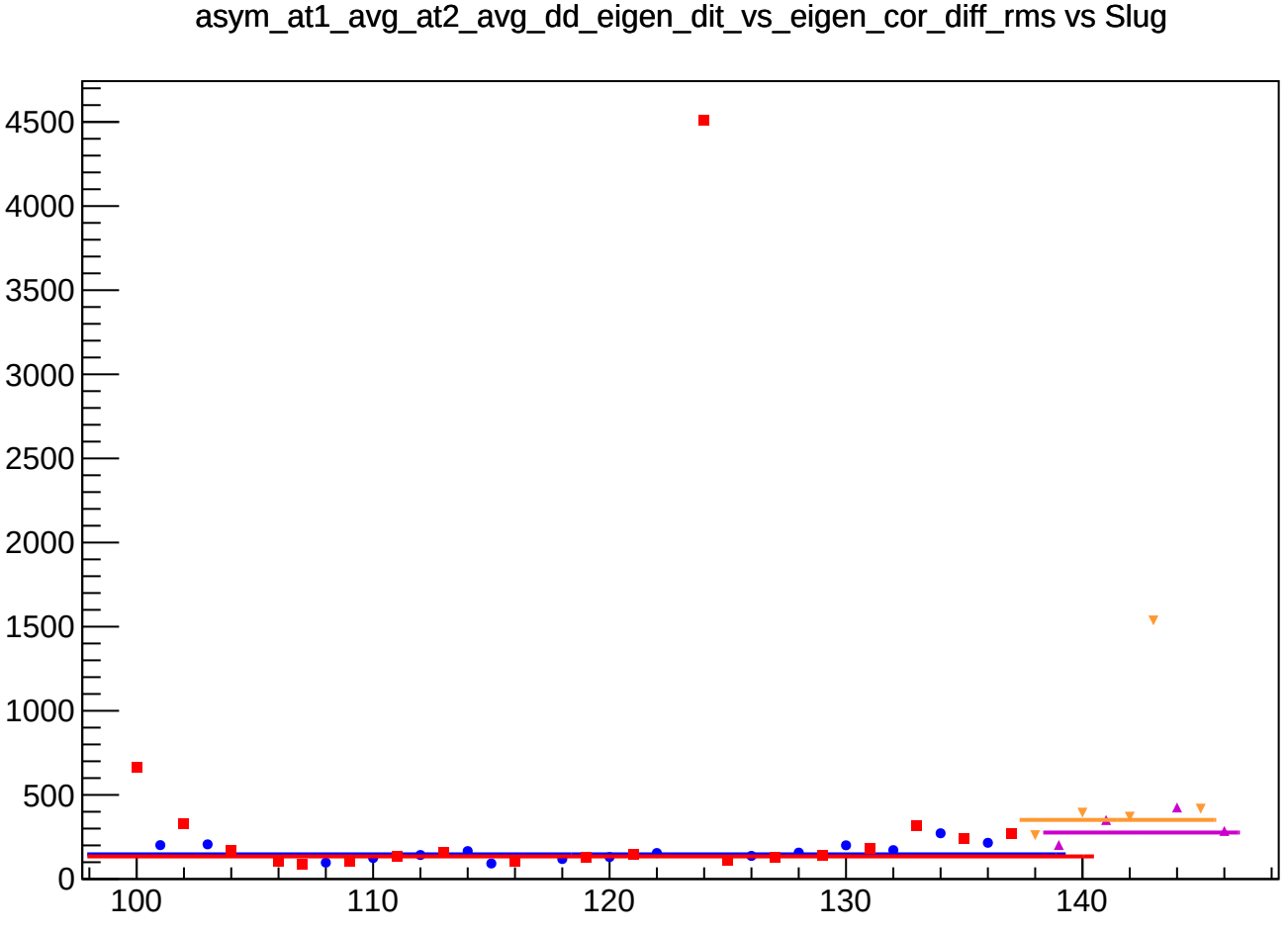
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

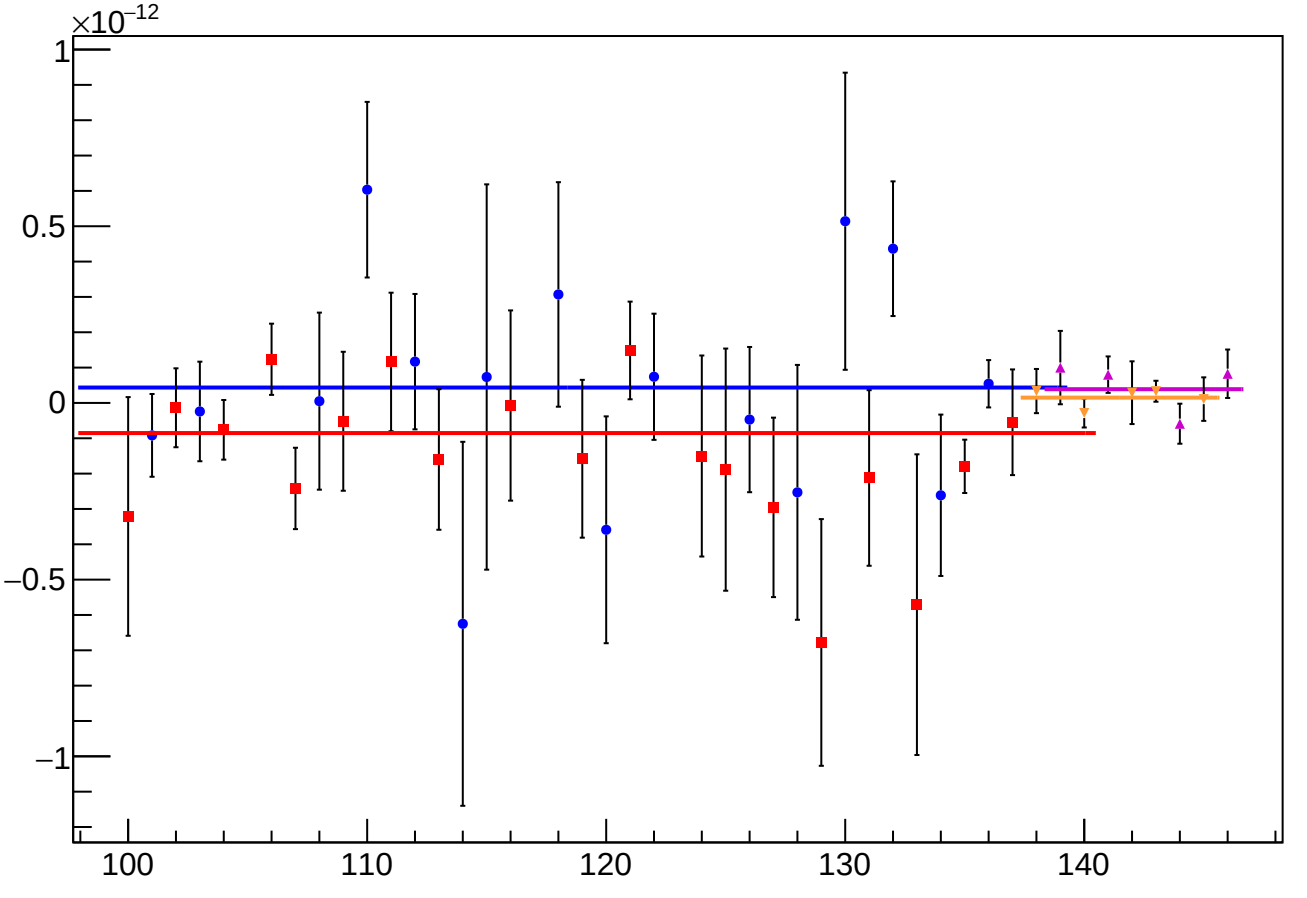
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

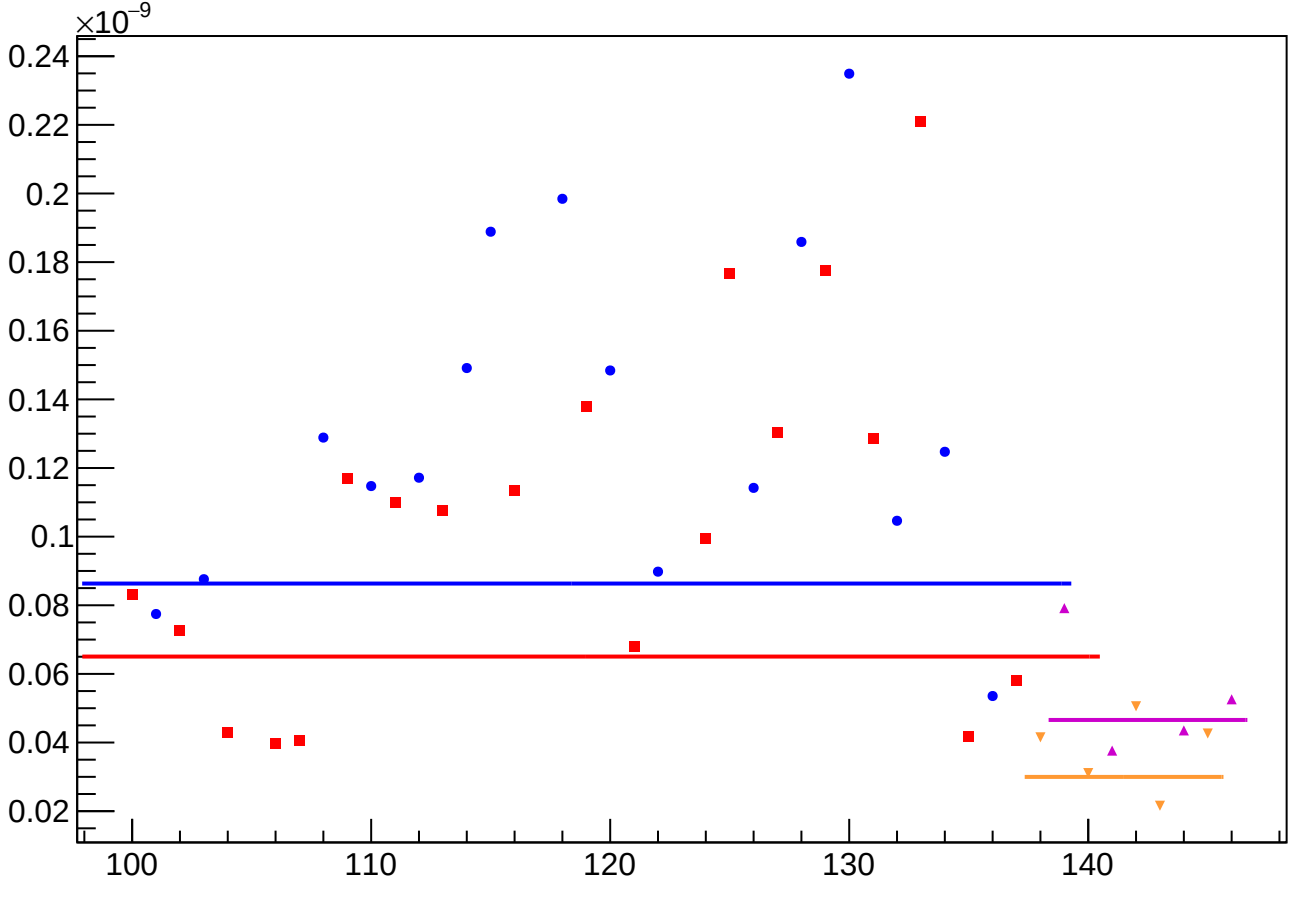
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/20

All: 0.000+/-0.000 χ^2/NDF: 52.3/43

- sign -0.000+/-0.000 χ^2/NDF: 29.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:422011.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

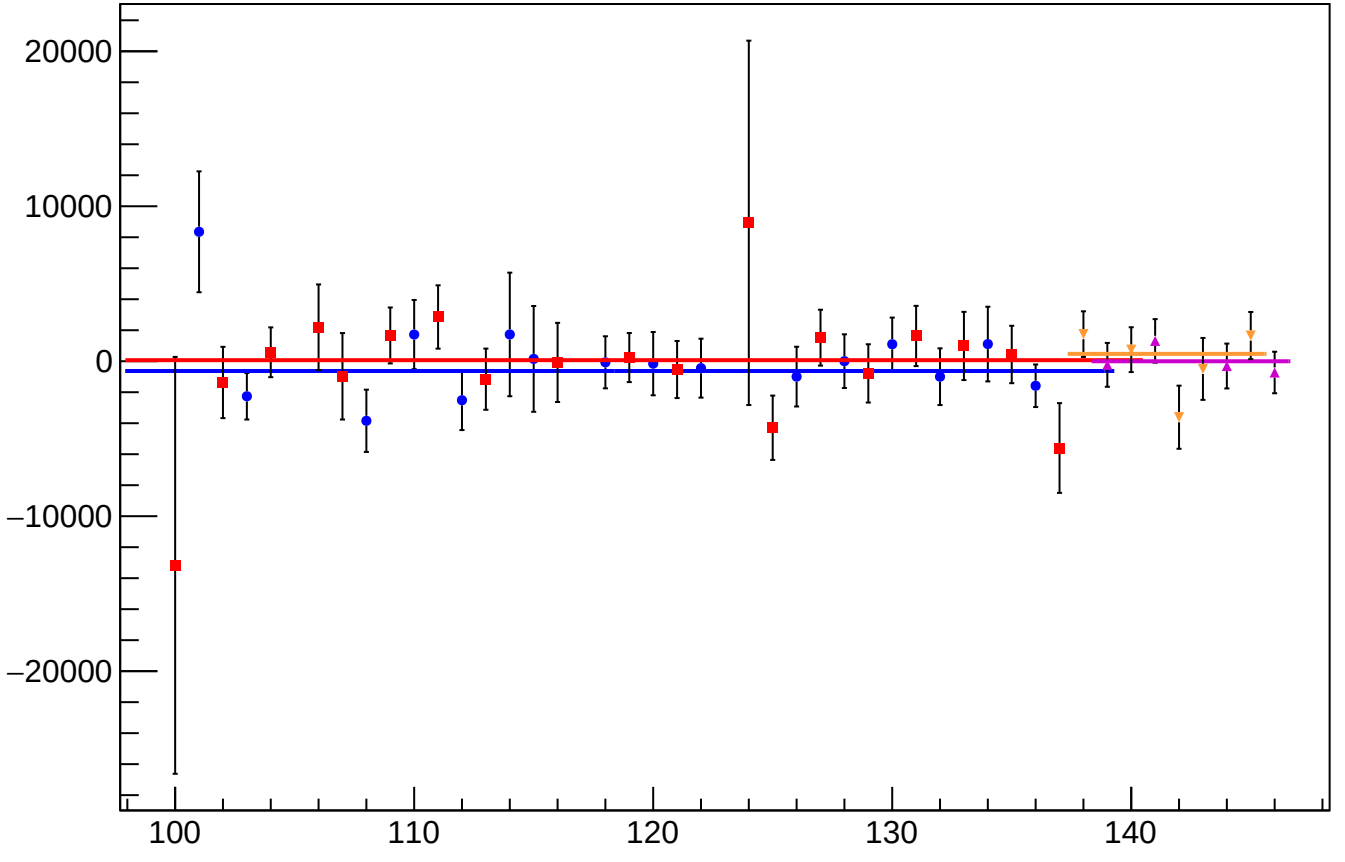
Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4814445.4/20

All: 0.000+/-0.000 χ^2/NDF: 8047653.1/43

- sign 0.000+/-0.000 χ^2/NDF: 2750566.7/22

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.644+/-732.595 χ^2/NDF:5.7/4

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

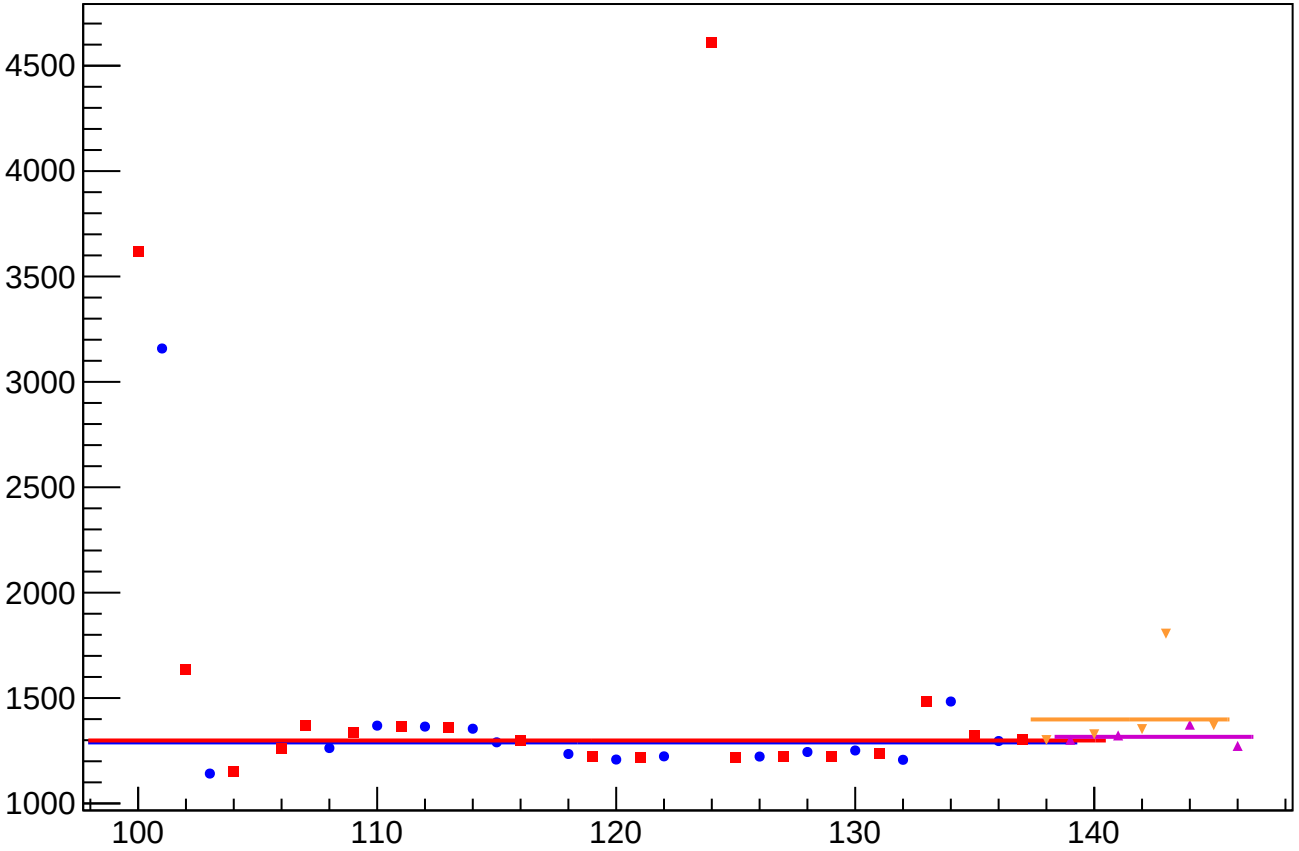
Left In: -2.449+/-700.312 χ^2/NDF:1.2/3

+ sign -290.574+/-406.524 χ^2/NDF: 21.1/20

All: -120.305+/-285.211 χ^2/NDF: 38.6/43

- sign 44.747+/-400.248 χ^2/NDF: 17.1/22

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

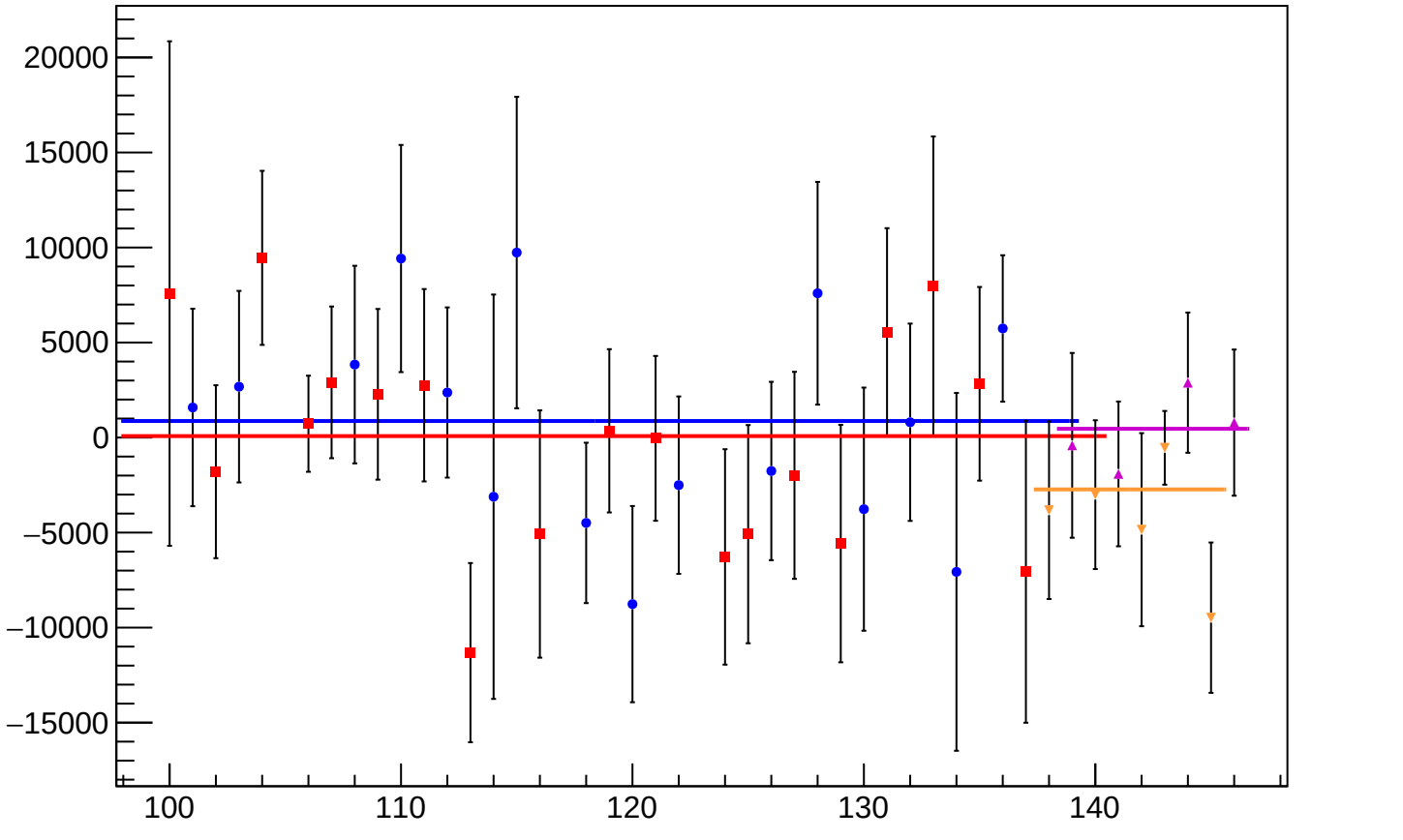
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643518.3/20

All: 1313.495+/-0.201 χ^2/NDF: 971368.6/43

- sign 1304.290+/-0.283 χ^2/NDF: 325689.4/22



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2728.713+/-1444.041 χ^2/NDF:4.4/4

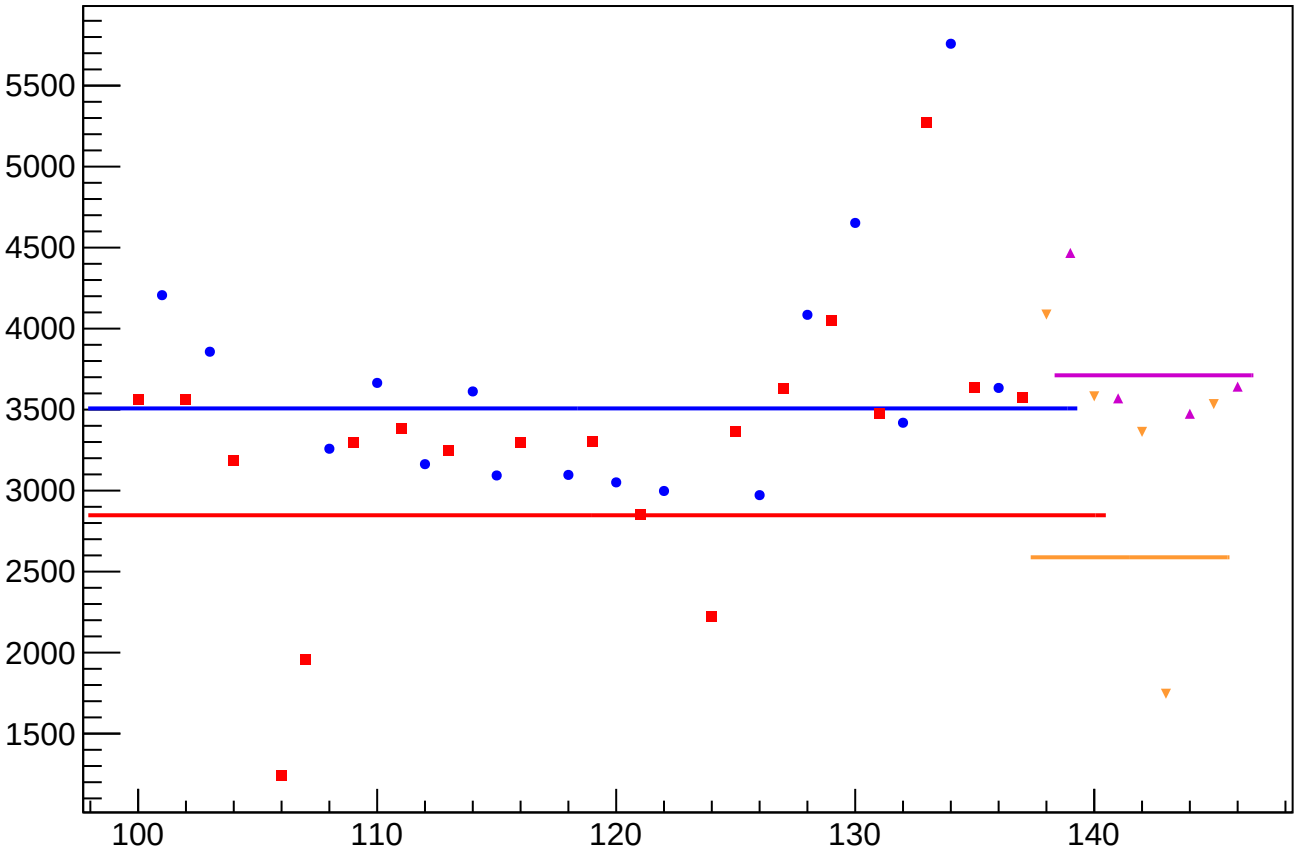
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 460.950+/-1990.507 χ^2/NDF:0.9/3

+ sign -775.149+/-976.404 χ^2/NDF: 21.8/20

All: -300.323+/-688.207 χ^2/NDF: 41.6/43

- sign 168.456+/-970.168 χ^2/NDF: 19.3/22



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2588.366+/-1.021 χ^2/NDF:872391.5/4

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

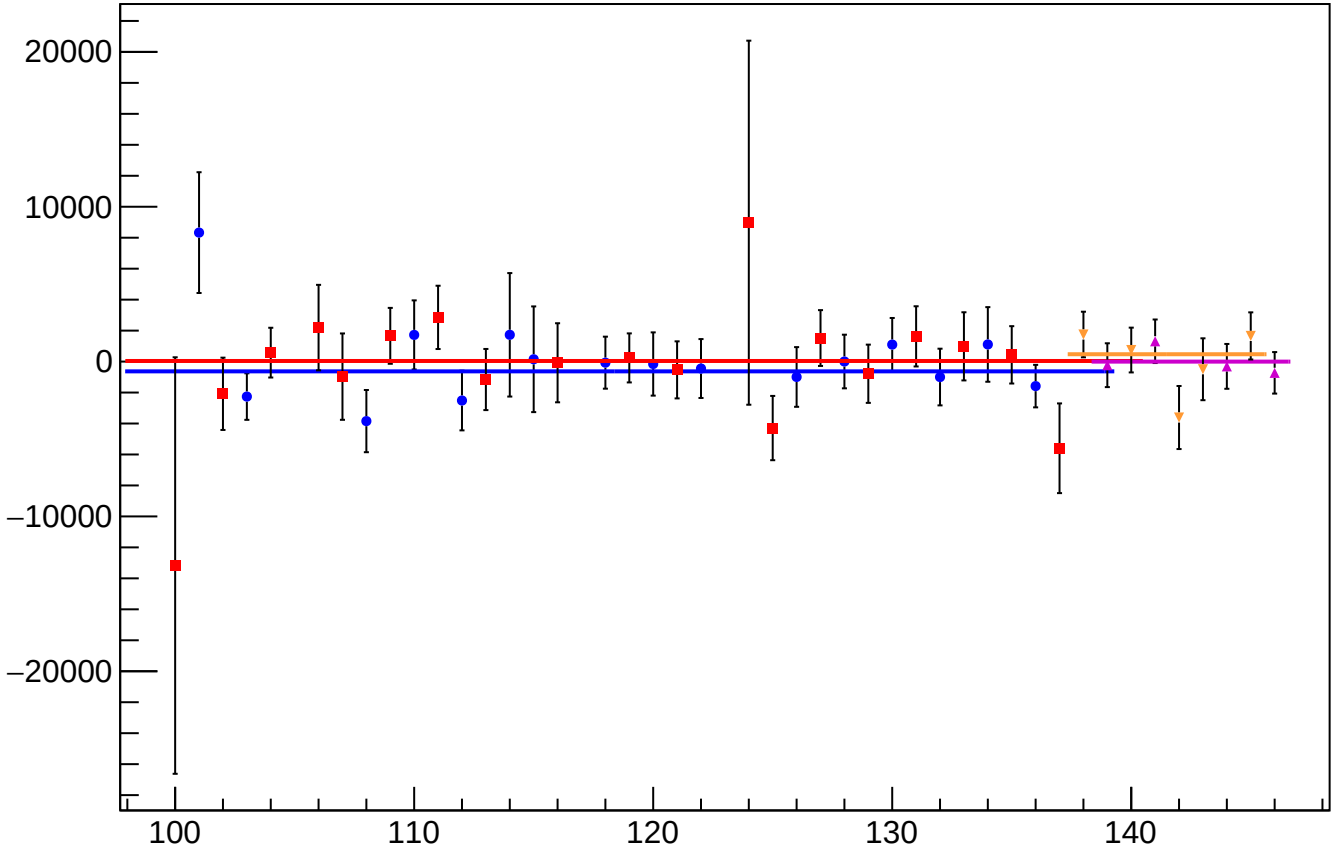
Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

+ sign 3087.222+/-0.690 χ^2/NDF: 1666091.3/20

All: 3070.028+/-0.487 χ^2/NDF: 3513931.2/43

- sign 3053.053+/-0.686 χ^2/NDF: 1846607.5/22

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

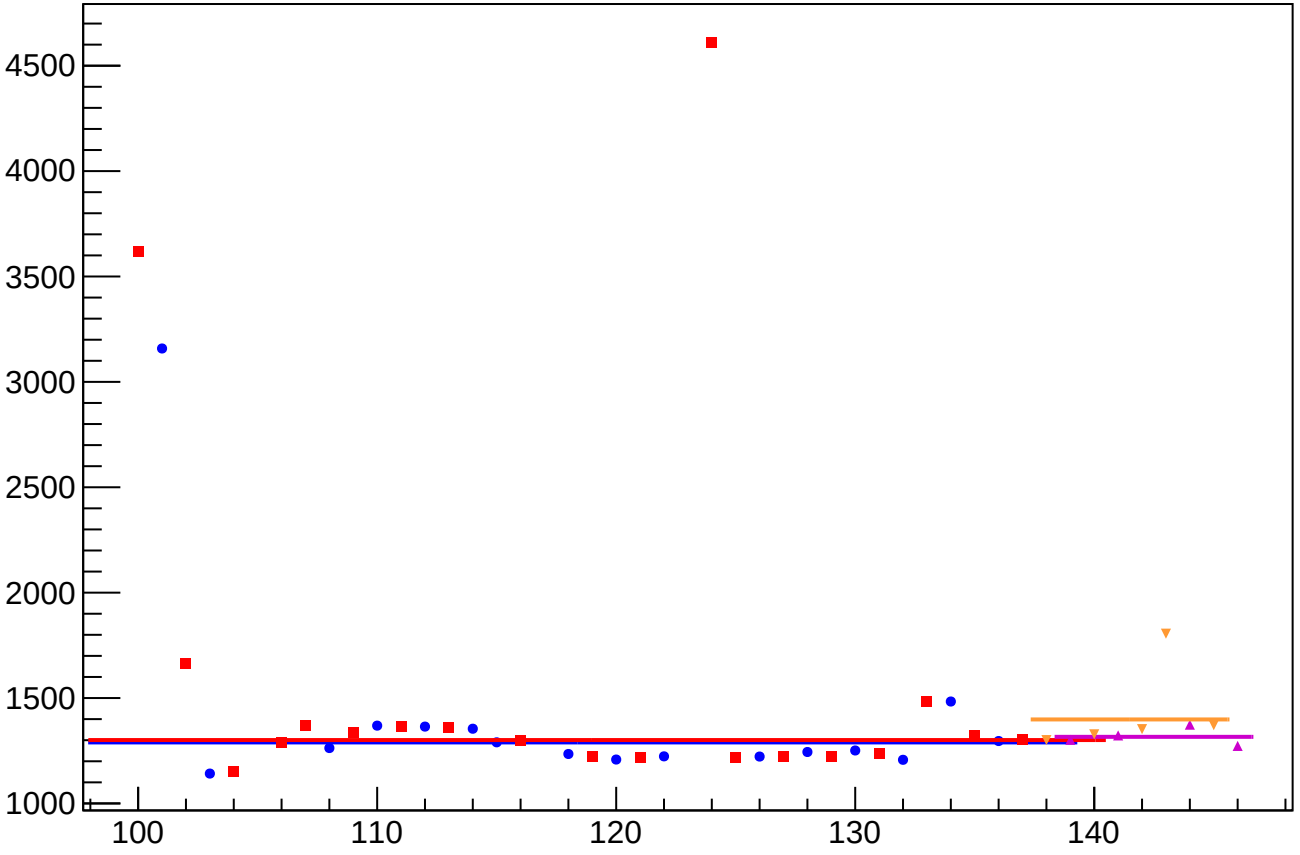
Left In: -2.427+/-700.312 χ^2/NDF:1.2/3

\+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -130.426+/-285.276 χ^2/NDF: 39.0/43

\- sign 25.202+/-400.427 χ^2/NDF: 17.6/22

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

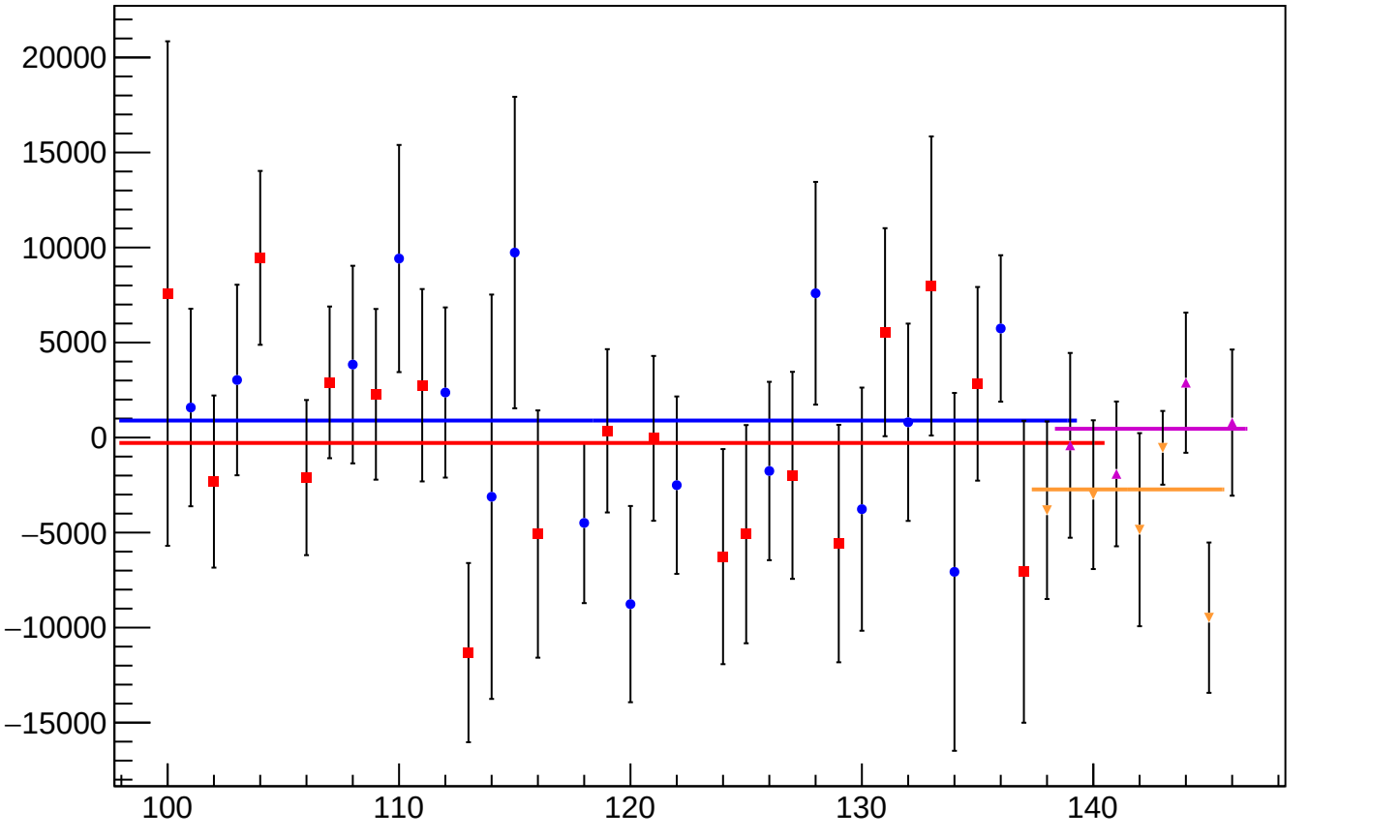
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2728.480+/-1444.035 χ^2/NDF:4.4/4

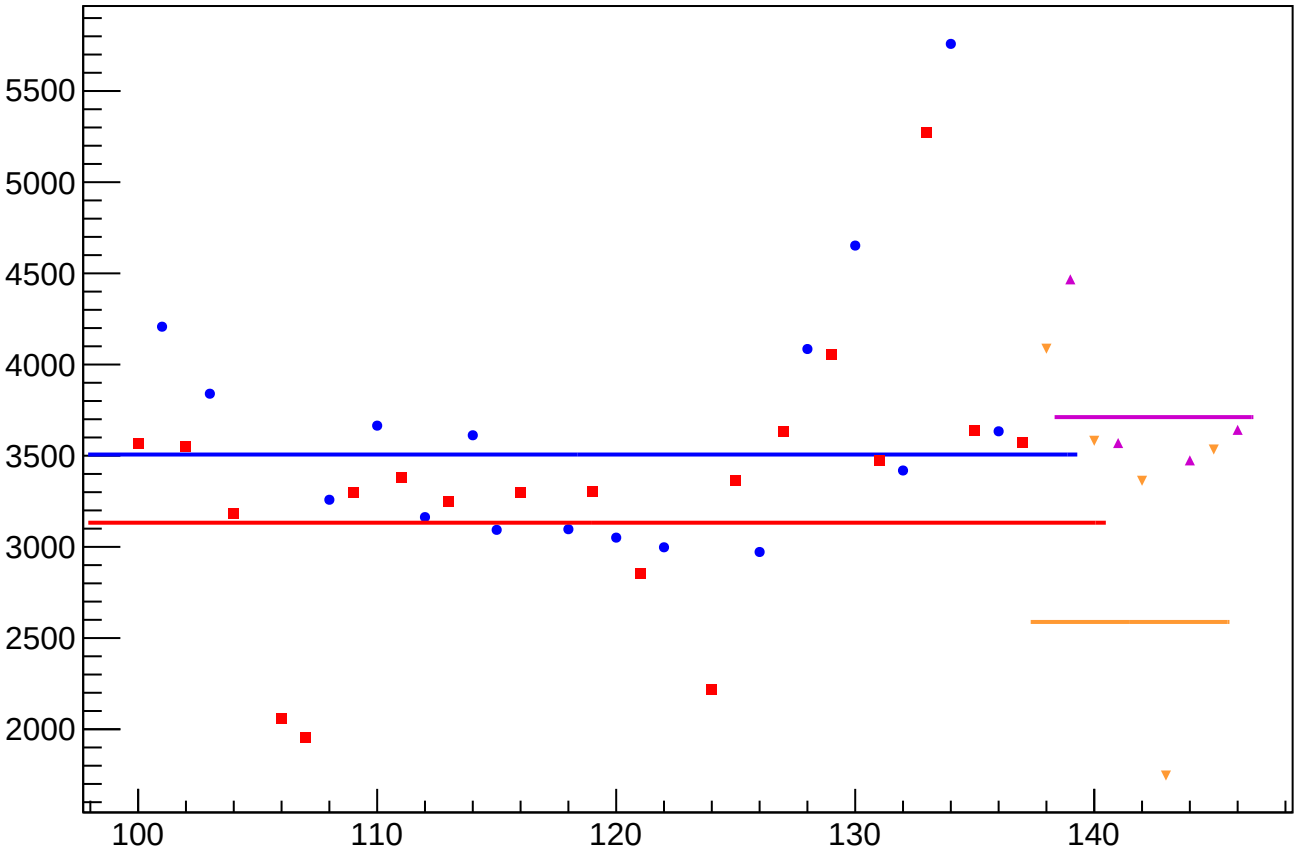
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 460.973+/-1990.504 χ^2/NDF:0.9/3

+ sign -760.469+/-976.220 χ^2/NDF: 21.9/20

All: -438.716+/-704.288 χ^2/NDF: 41.7/43

- sign -89.477+/-1017.062 χ^2/NDF: 19.6/22



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

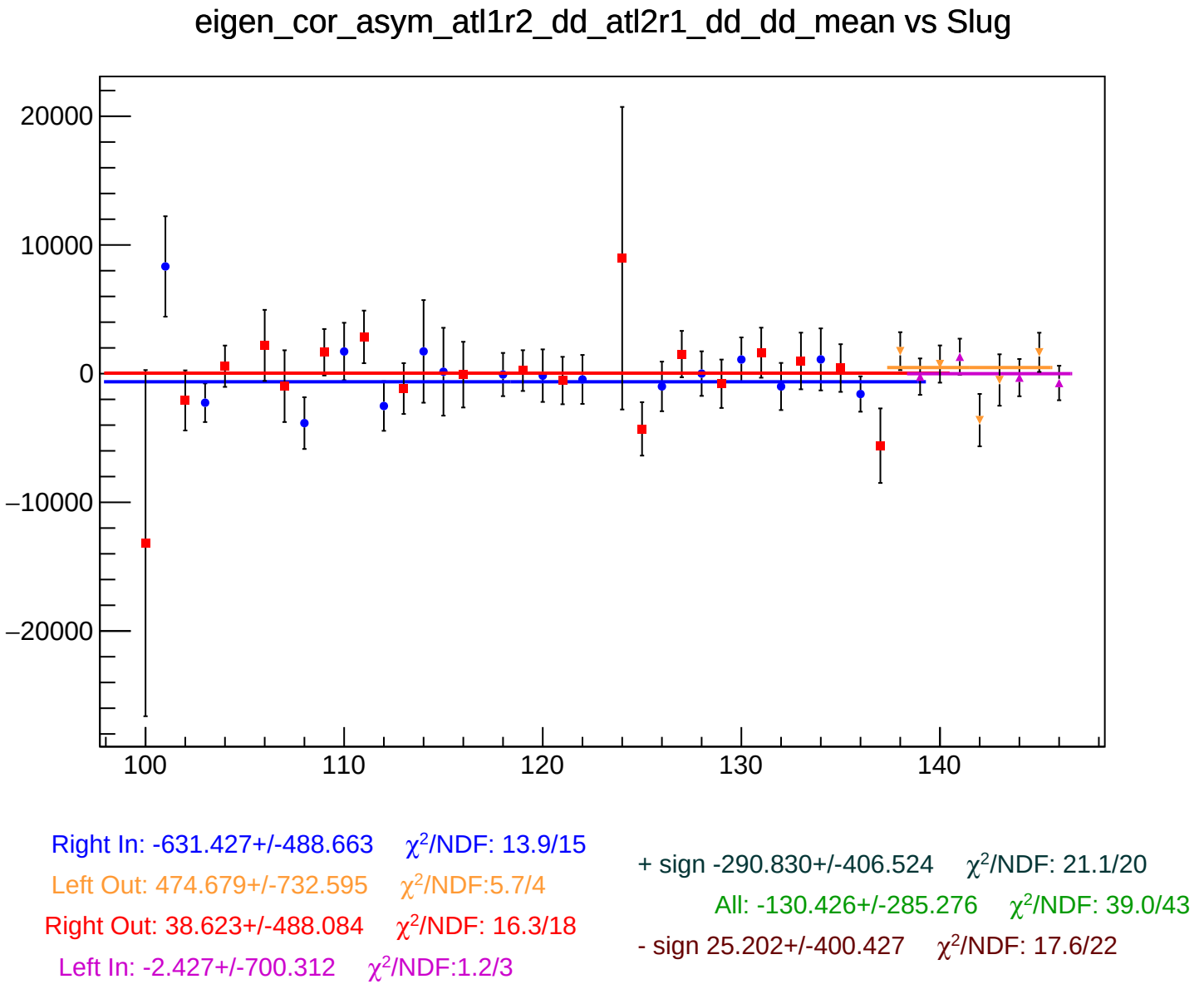
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

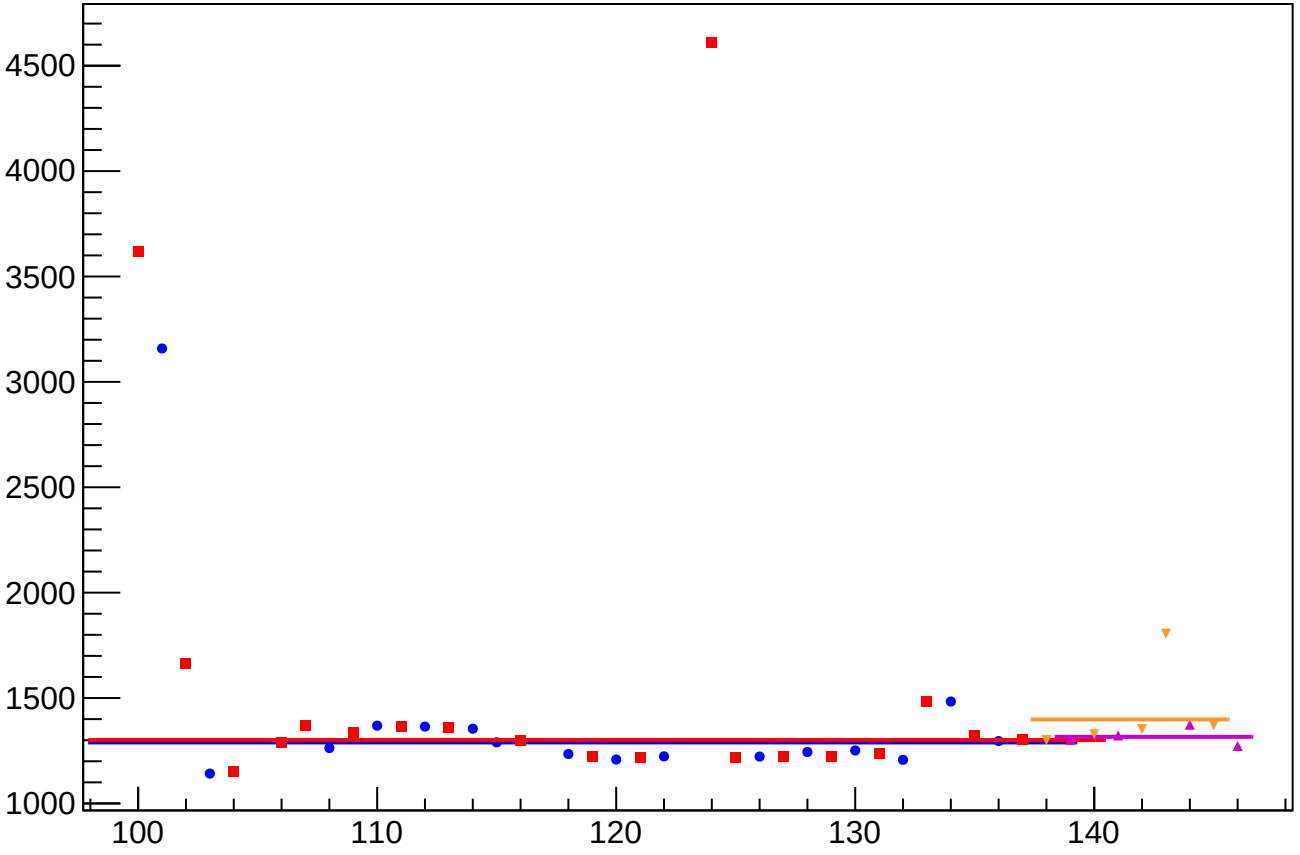
\+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43

\- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 474.679+/-732.595 χ²/NDF:5.7/4
Right Out: 38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -2.427+/-700.312 χ²/NDF:1.2/3
+ sign -290.830+/-406.524 χ²/NDF: 21.1/20
All: -130.426+/-285.276 χ²/NDF: 39.0/43
- sign 25.202+/-400.427 χ²/NDF: 17.6/22

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

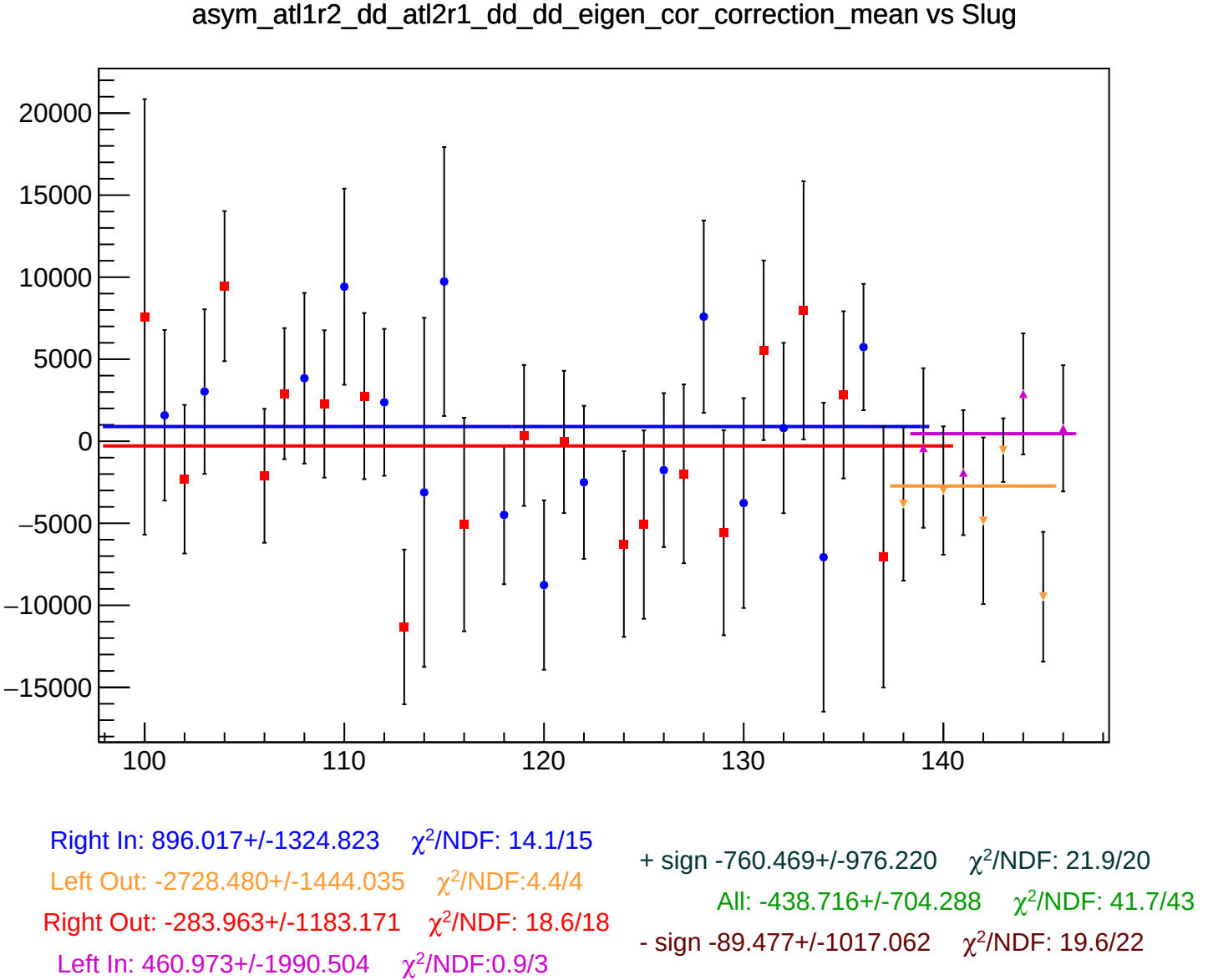
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

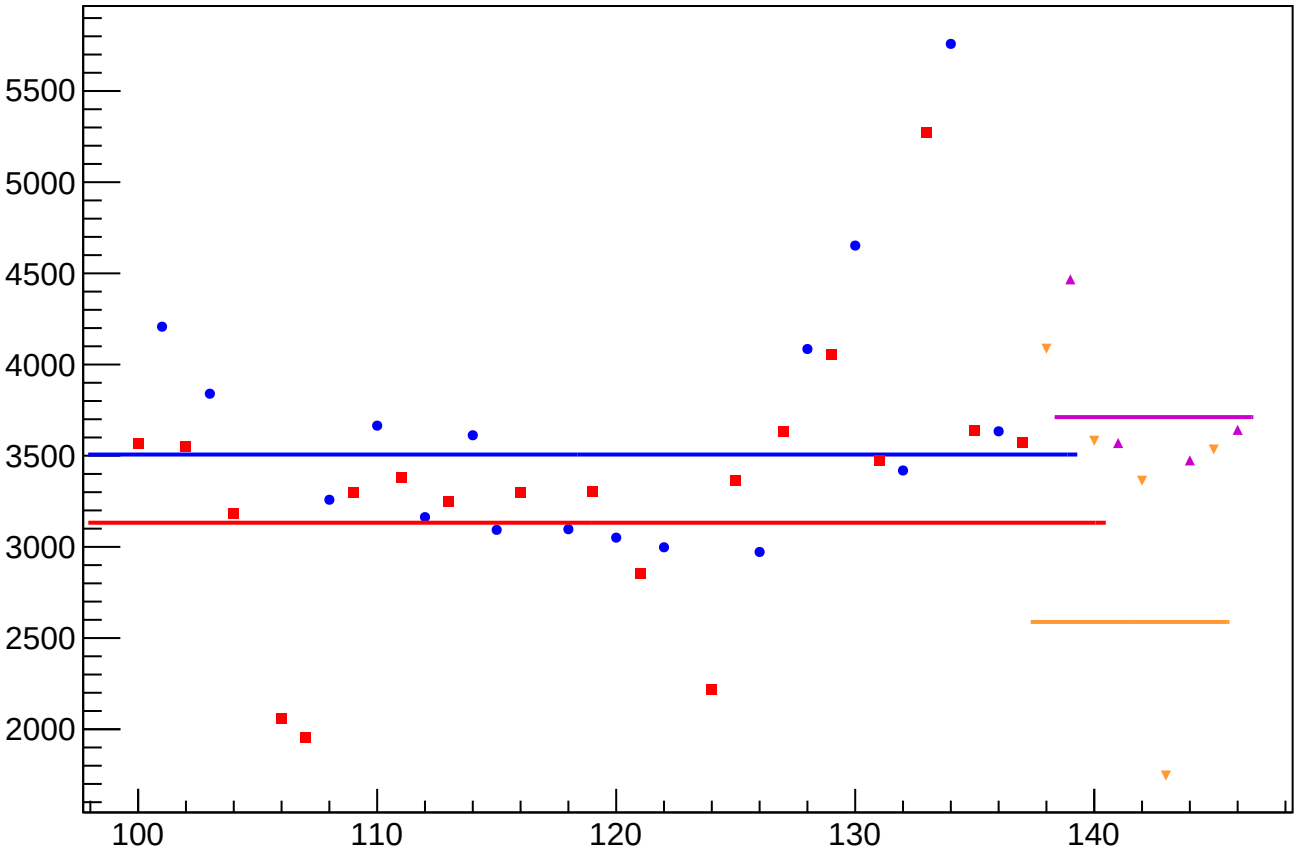
Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43

- sign 1305.667+/-0.283 χ^2/NDF: 332039.8/22


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2728.480+/-1444.035 χ²/NDF:4.4/4
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 460.973+/-1990.504 χ²/NDF:0.9/3
+ sign -760.469+/-976.220 χ²/NDF: 21.9/20
All: -438.716+/-704.288 χ²/NDF: 41.7/43
- sign -89.477+/-1017.062 χ²/NDF: 19.6/22



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

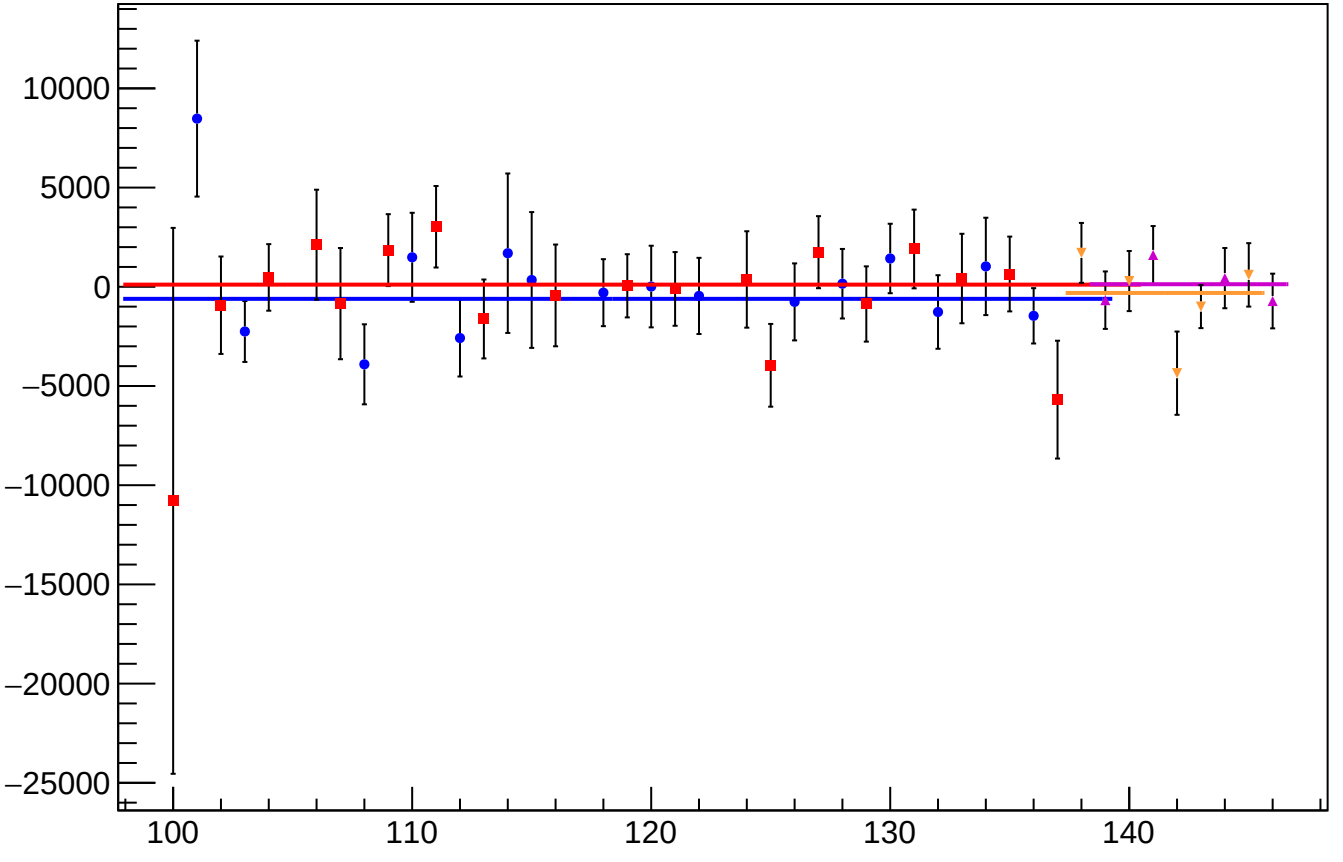
Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43

- sign 3283.782+/-0.719 χ^2/NDF: 834717.5/22

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.693+/-653.179 χ^2/NDF:6.4/4

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

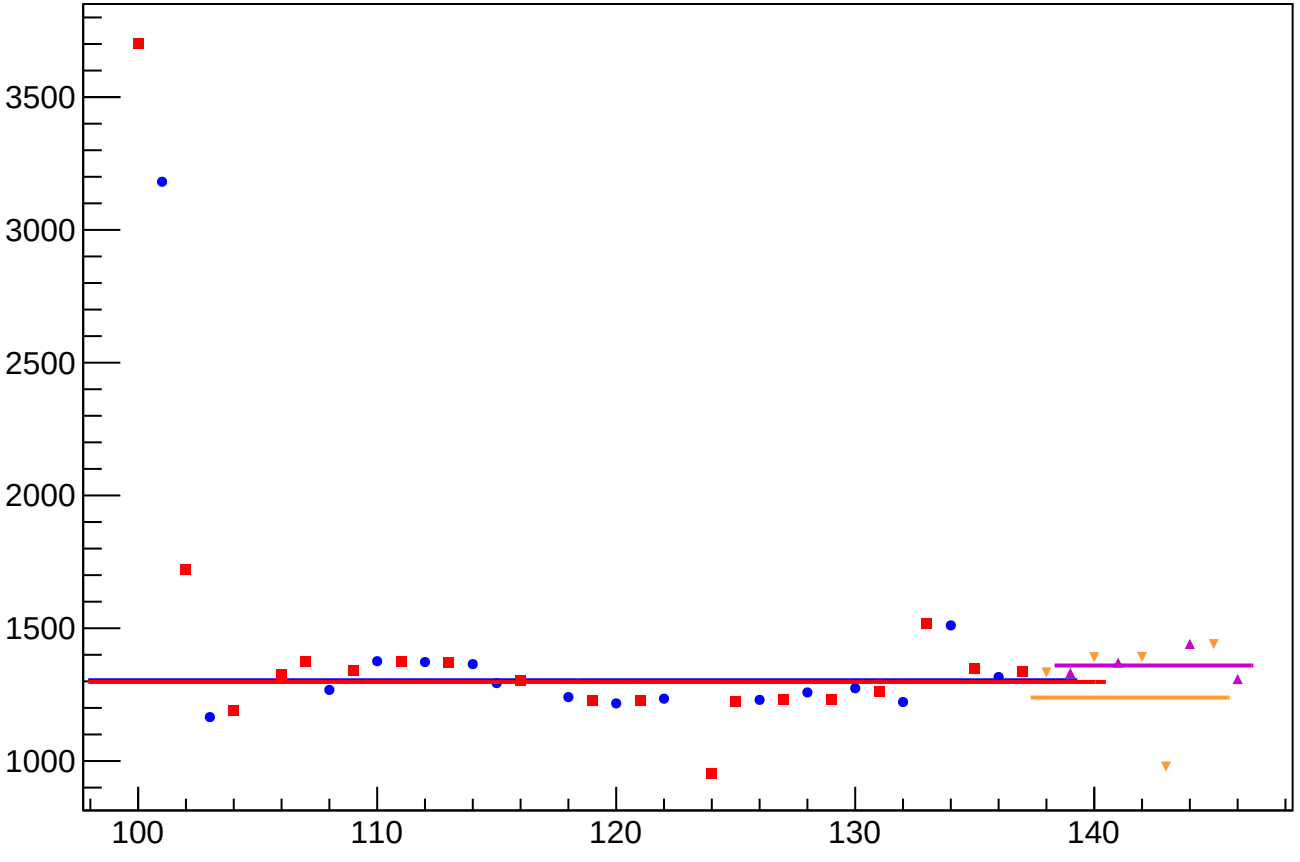
Left In: 129.181+/-723.926 χ^2/NDF:1.8/3

+ sign -499.662+/-394.097 χ^2/NDF: 20.6/20

All: -199.386+/-281.848 χ^2/NDF: 38.4/43

- sign 114.996+/-403.248 χ^2/NDF: 16.6/22

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1238.998+/-0.462 χ^2/NDF:185091.7/4

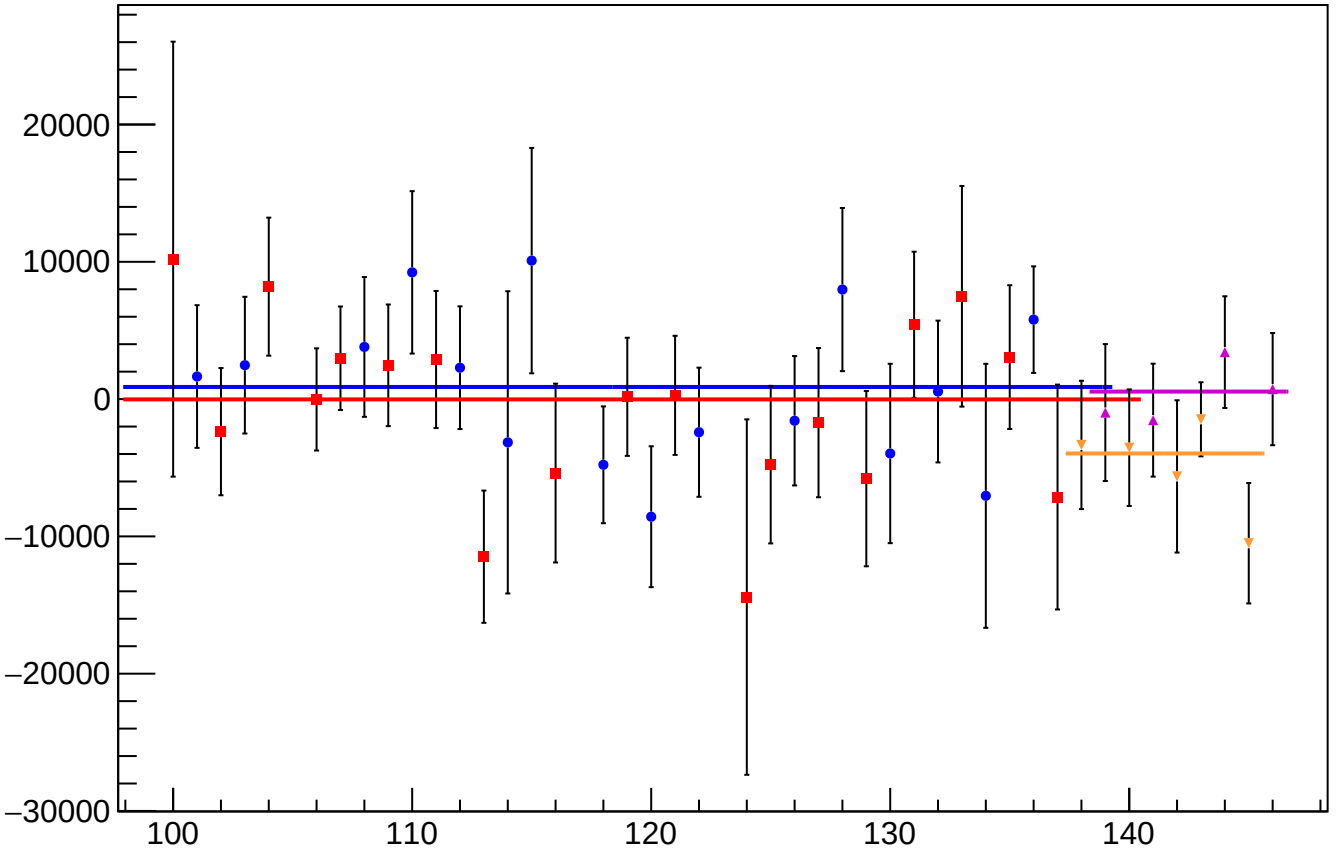
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.402+/-0.279 χ^2/NDF: 708317.2/20

All: 1298.294+/-0.199 χ^2/NDF: 949276.6/43

- sign 1317.007+/-0.285 χ^2/NDF: 232525.8/22



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3960.020+/-1758.978 χ^2/NDF:3.2/4

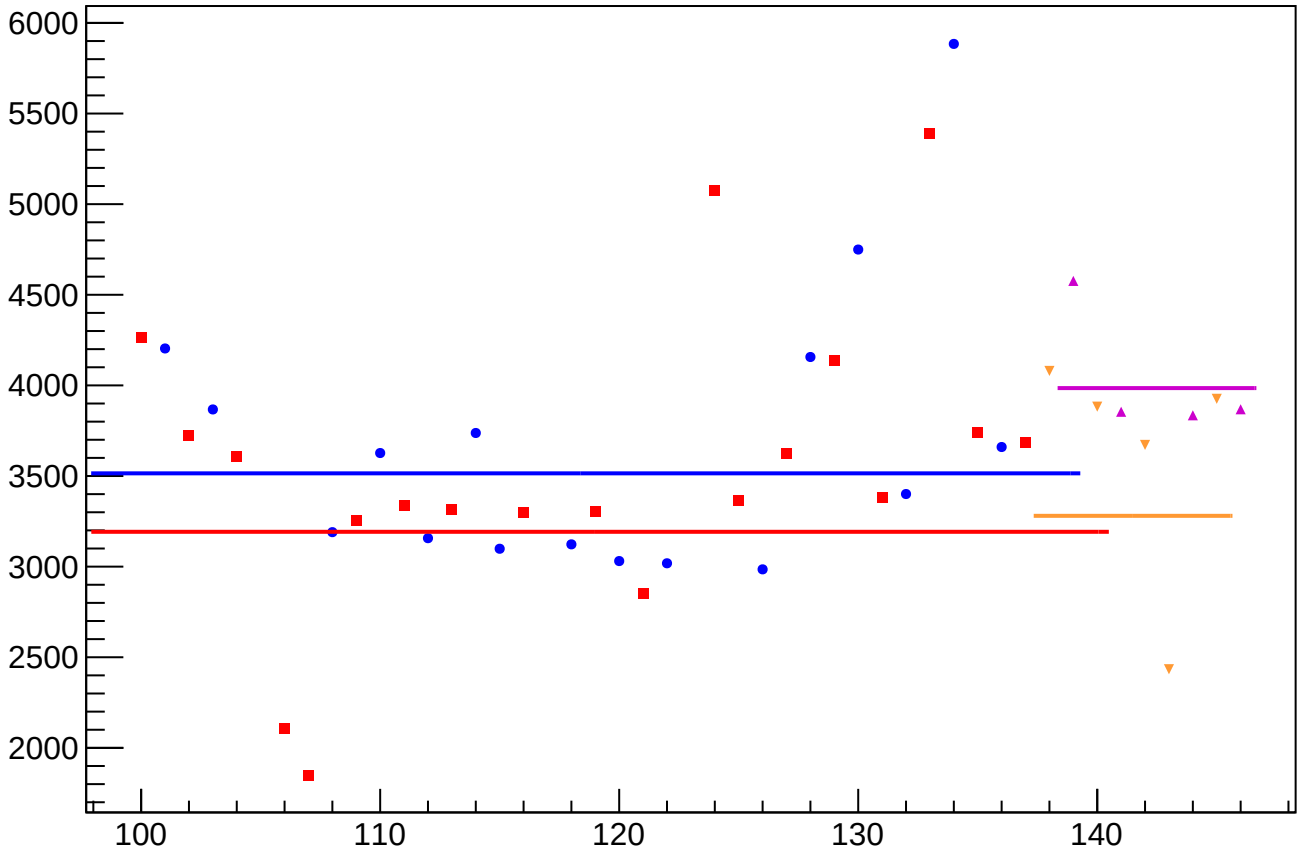
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 547.025+/-2134.009 χ^2/NDF:0.9/3

+ sign -873.607+/-1059.554 χ^2/NDF: 22.1/20

All: -372.572+/-744.372 χ^2/NDF: 40.3/43

- sign 115.707+/-1045.980 χ^2/NDF: 17.7/22



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3280.329+/-1.244 χ^2/NDF:349008.8/4

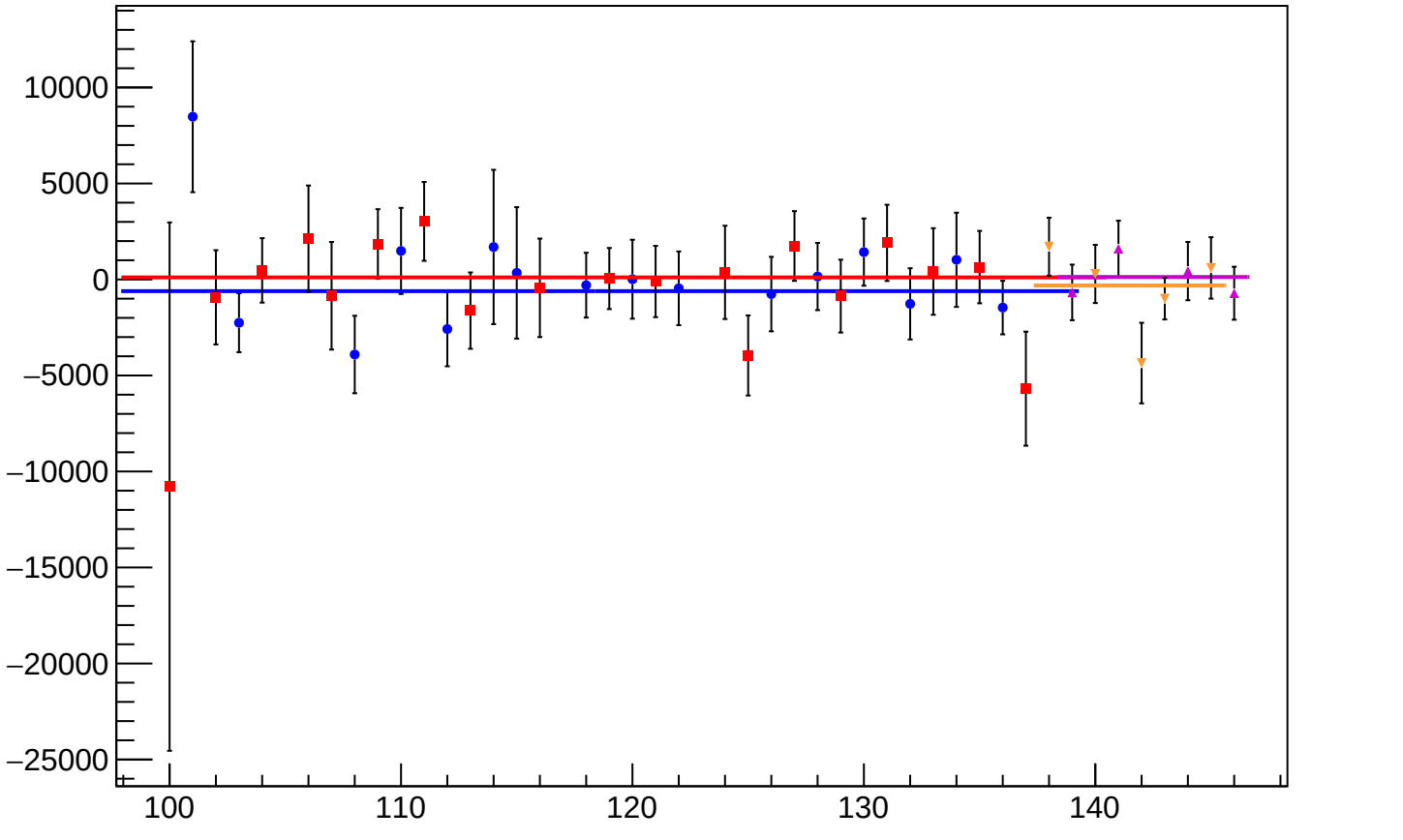
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

+ sign 3429.688+/-0.749 χ^2/NDF: 746719.8/20

All: 3405.886+/-0.526 χ^2/NDF: 1765460.0/43

- sign 3382.690+/-0.740 χ^2/NDF: 1016747.3/22



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.700+/-653.180 χ^2/NDF:6.4/4

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

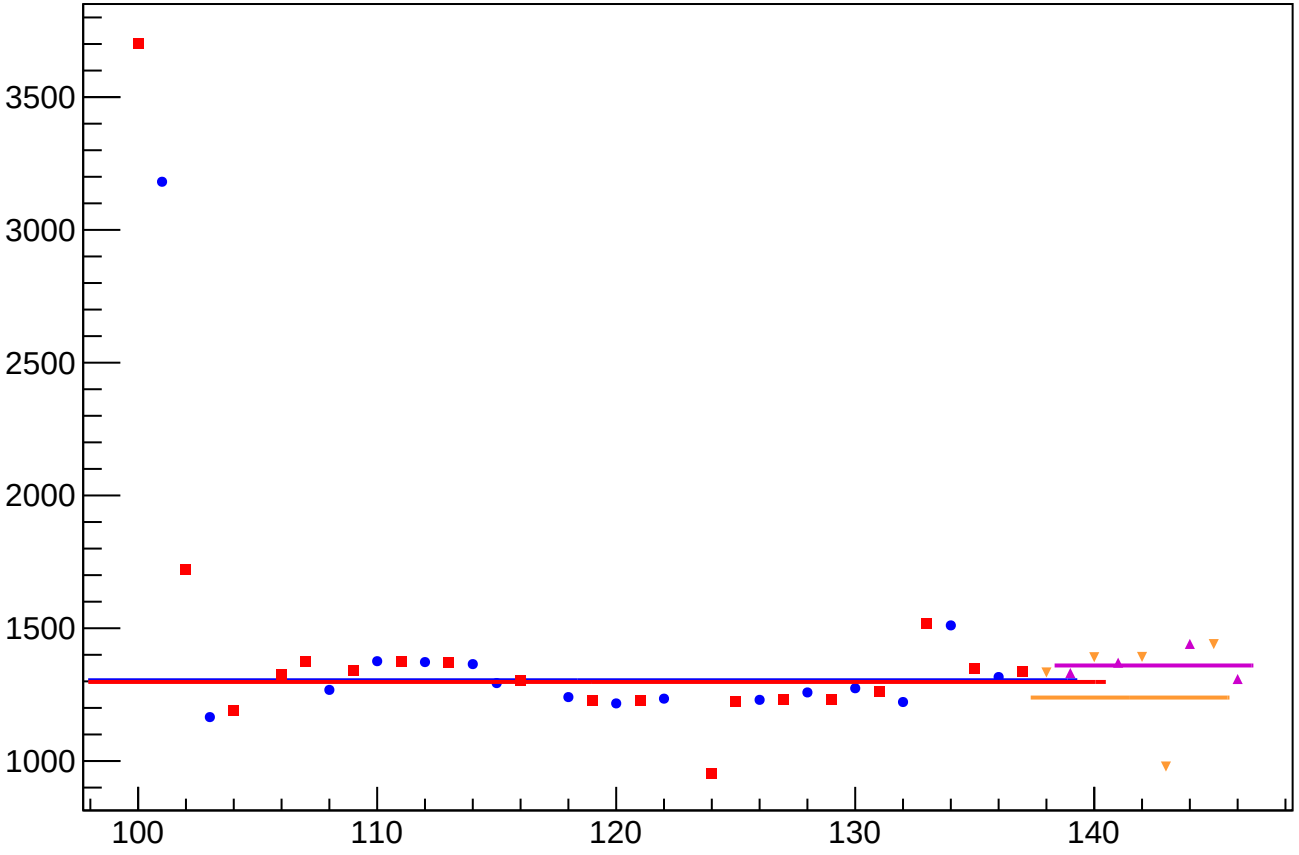
Left In: 129.179+/-723.926 χ^2/NDF:1.8/3

+ sign -499.667+/-394.098 χ^2/NDF: 20.6/20

All: -199.387+/-281.849 χ^2/NDF: 38.4/43

- sign 114.999+/-403.248 χ^2/NDF: 16.6/22

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: 1238.999+/-0.462 χ^2/NDF:185092.0/4

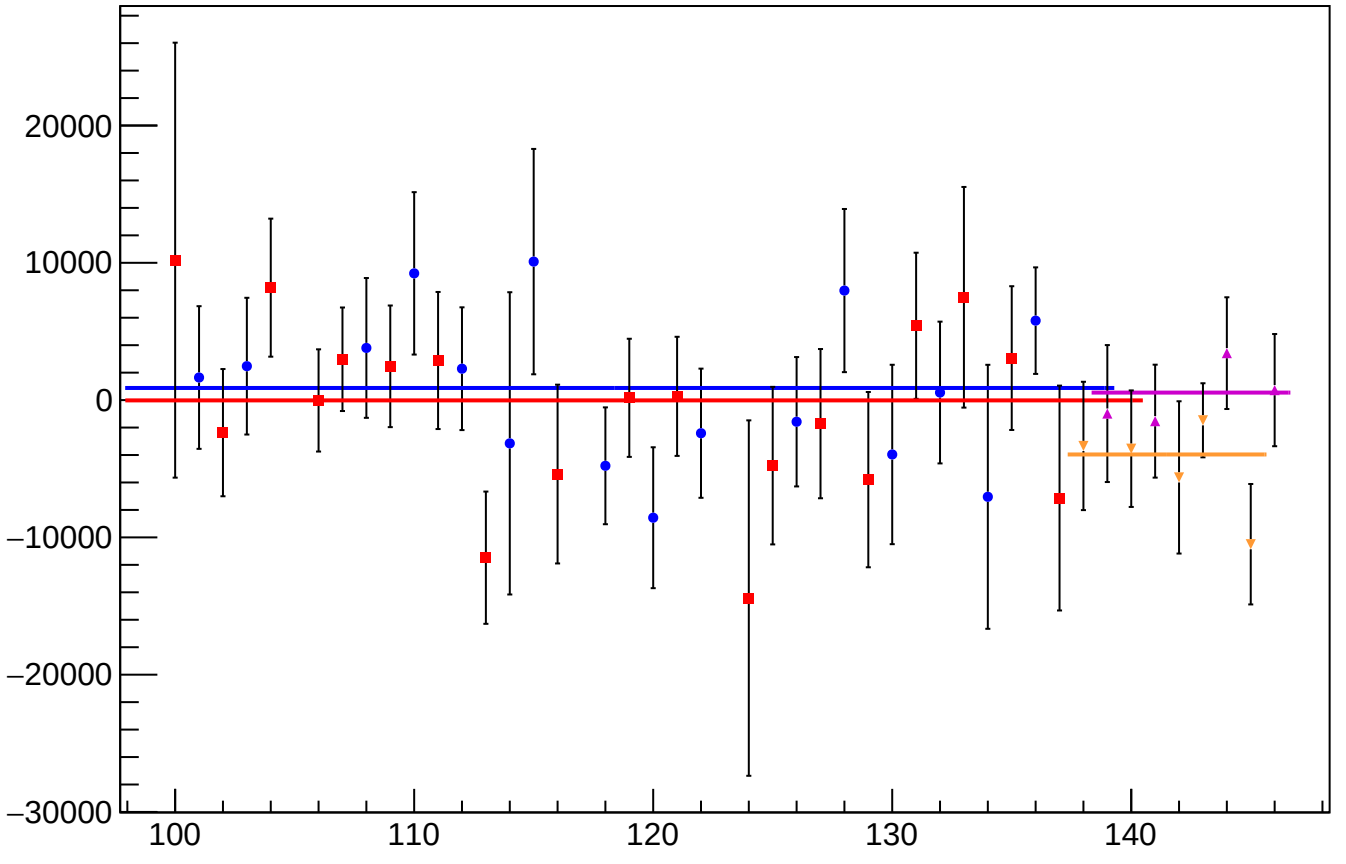
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

+ sign 1280.403+/-0.279 χ^2/NDF: 708317.2/20

All: 1298.294+/-0.199 χ^2/NDF: 949277.1/43

- sign 1317.008+/-0.285 χ^2/NDF: 232526.2/22



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3960.025+/-1758.981 χ^2/NDF:3.2/4

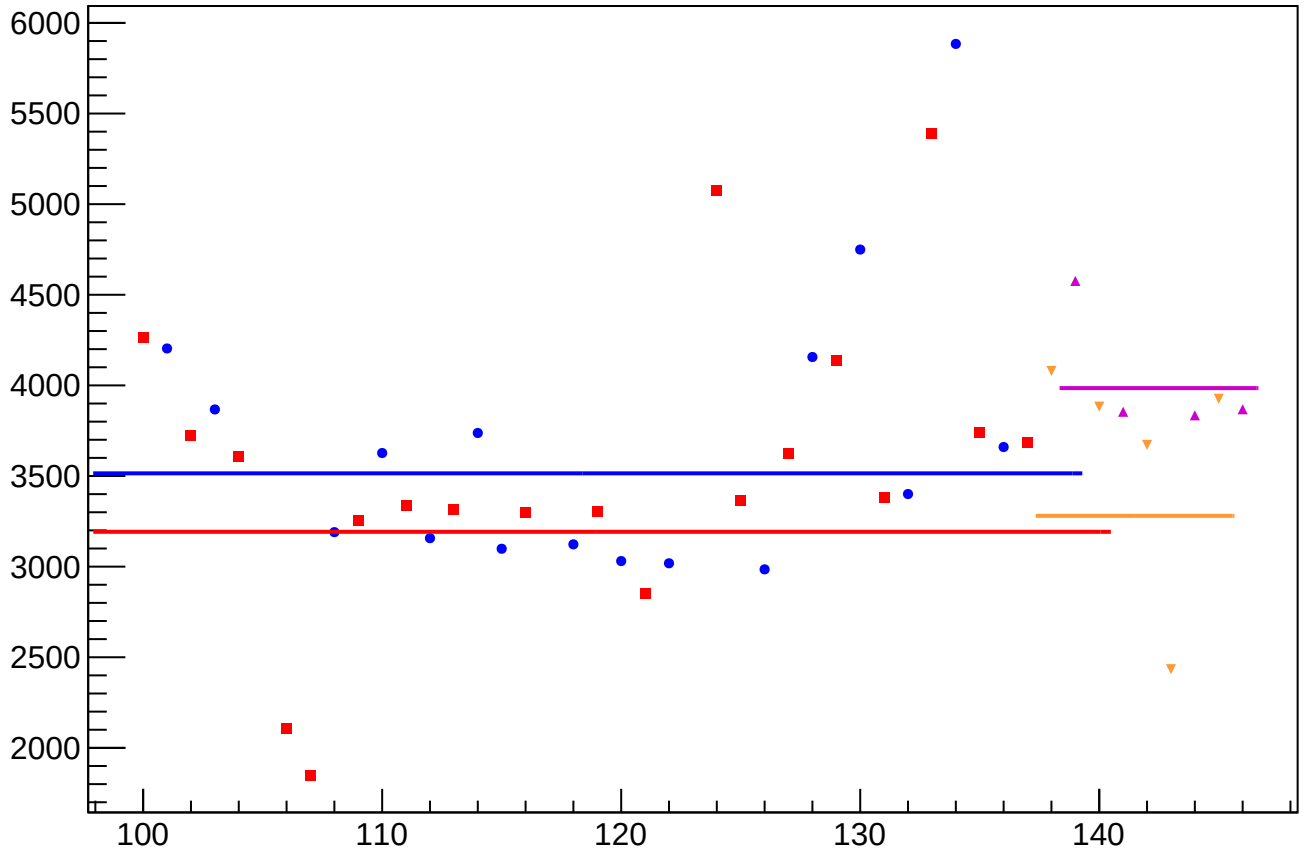
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 547.021+/-2134.013 χ^2/NDF:0.9/3

+ sign -873.606+/-1059.553 χ^2/NDF: 22.1/20

All: -372.571+/-744.371 χ^2/NDF: 40.3/43

- sign 115.709+/-1045.979 χ^2/NDF: 17.7/22



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3280.335+/-1.244 χ^2/NDF:349009.7/4

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

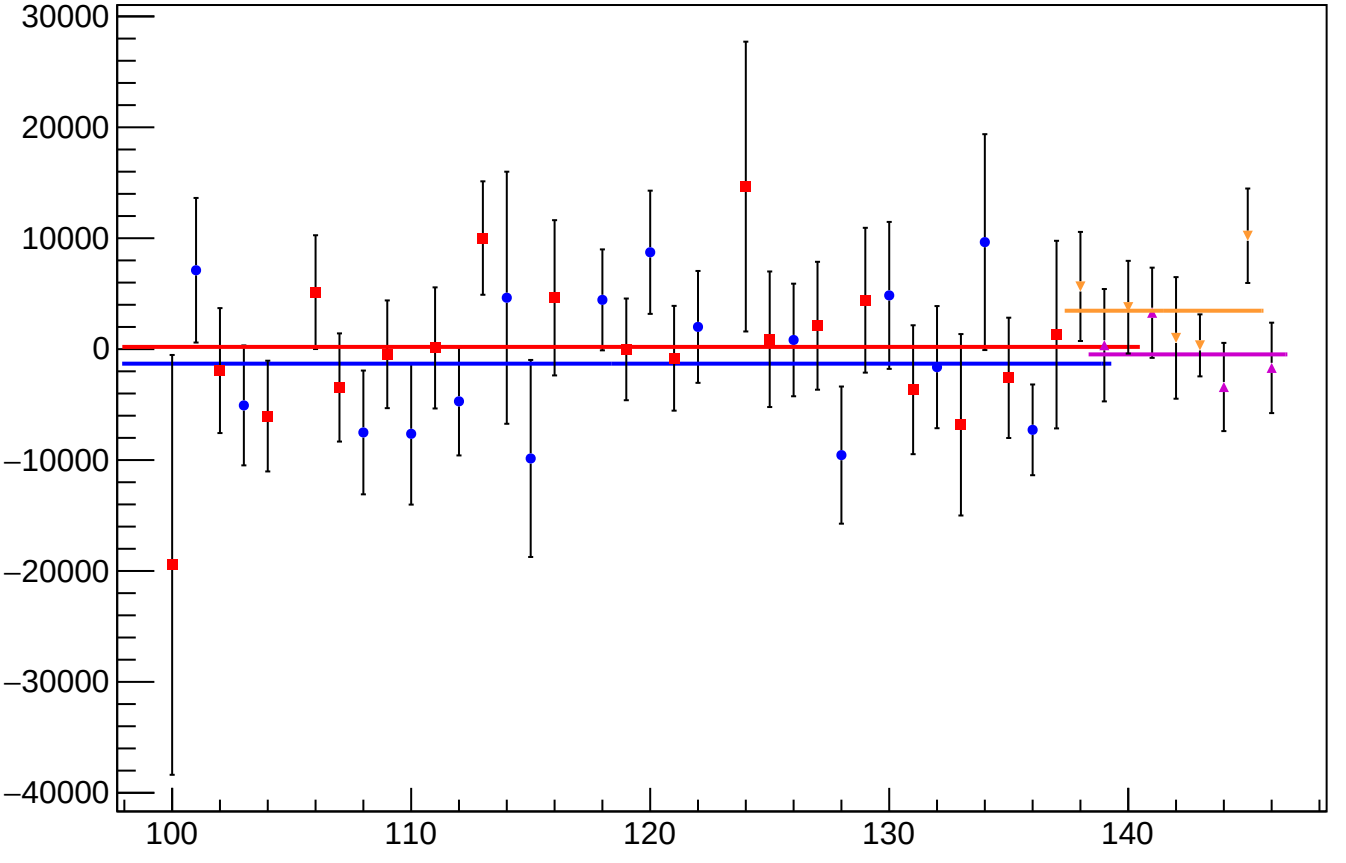
Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

\+ sign 3429.685+/-0.749 χ^2/NDF: 746722.0/20

All: 3405.881+/-0.526 χ^2/NDF: 1765472.5/43

\- sign 3382.684+/-0.740 χ^2/NDF: 1016757.4/22

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 3463.991+/-1781.602 χ^2/NDF:4.2/4

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

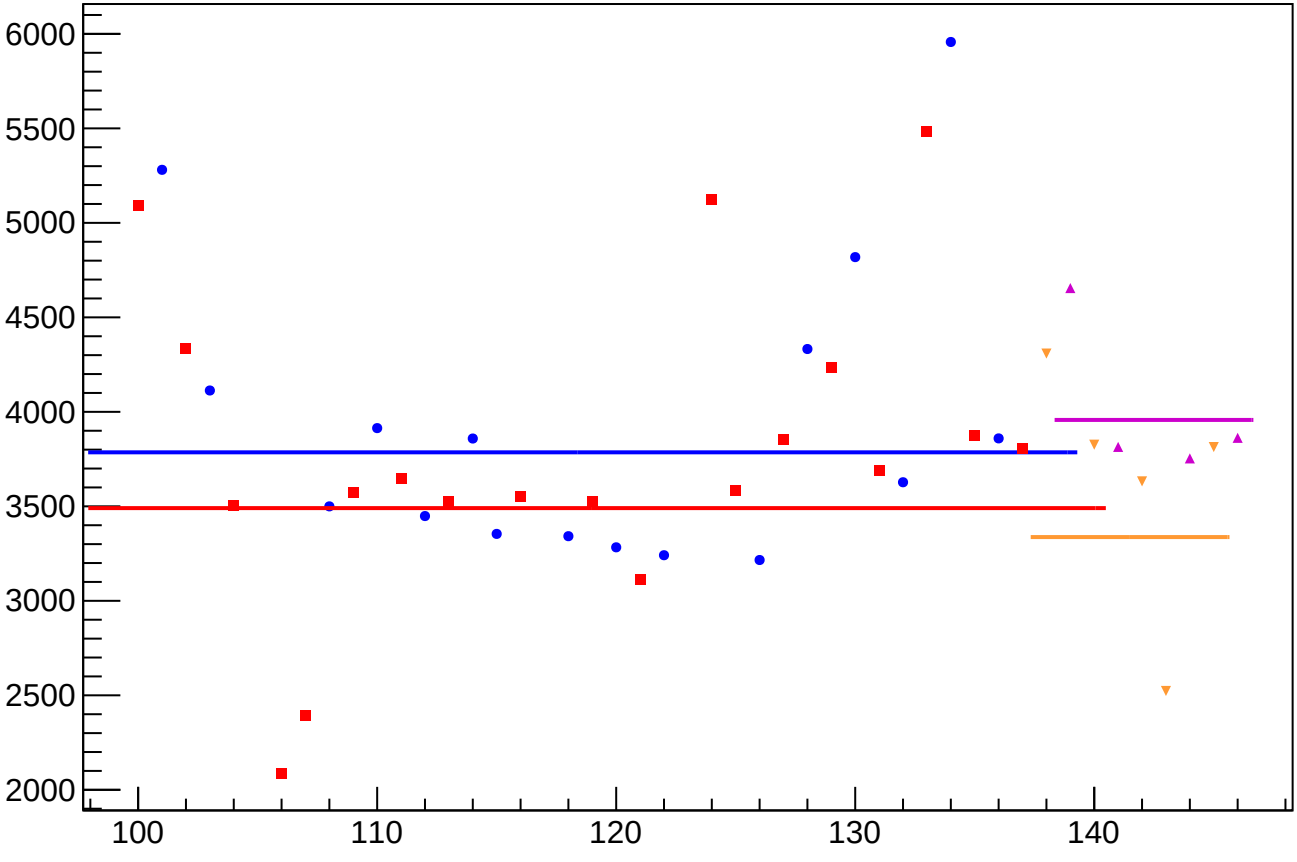
Left In: -473.106+/-2118.256 χ^2/NDF:1.5/3

+ sign 563.514+/-1115.970 χ^2/NDF: 26.1/20

All: 290.016+/-794.043 χ^2/NDF: 39.5/43

- sign 9.570+/-1130.055 χ^2/NDF: 13.2/22

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3337.348+/-1.260 χ^2/NDF:305909.8/4

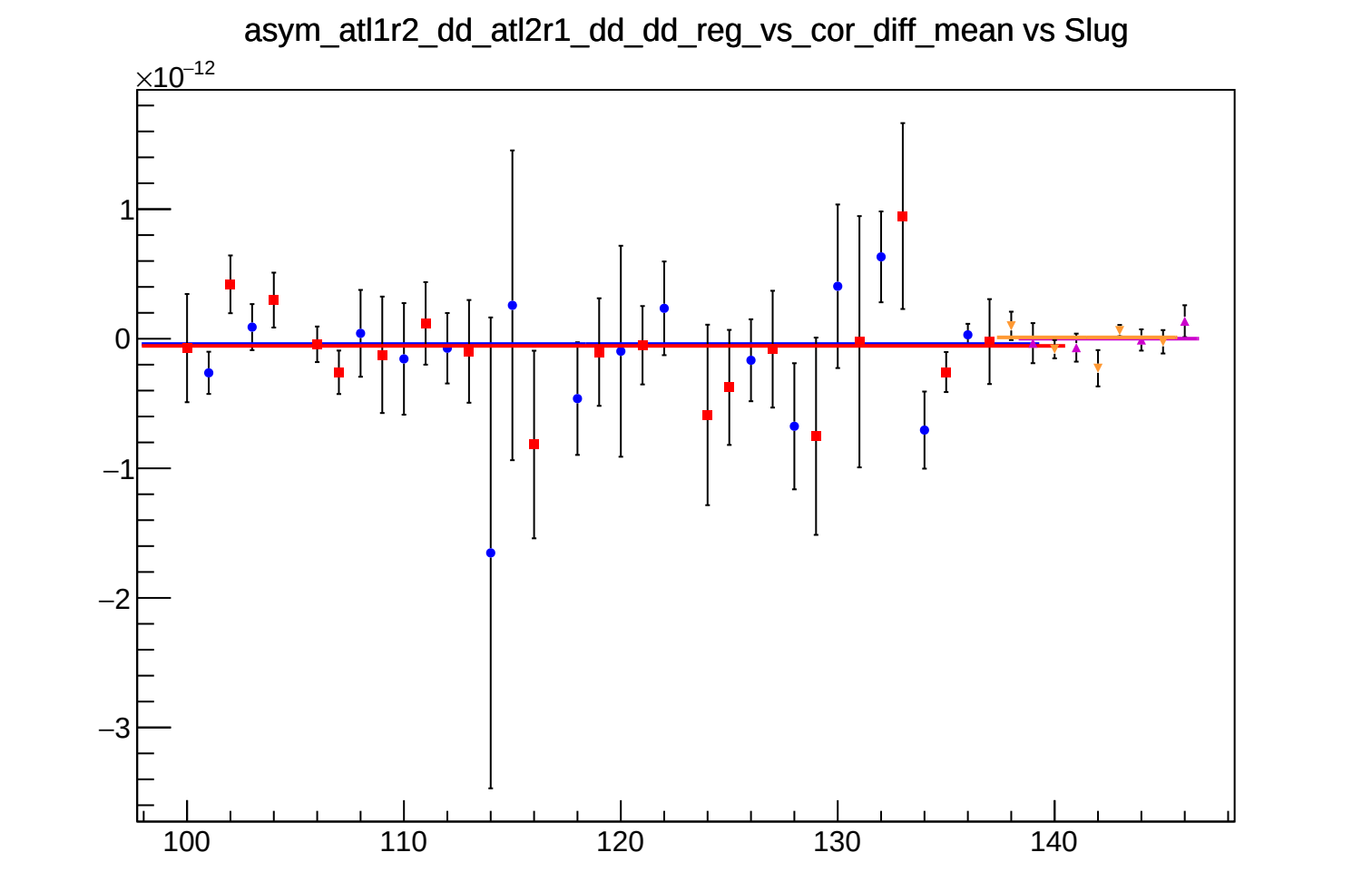
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

+ sign 3609.832+/-0.789 χ^2/NDF: 765893.5/20

All: 3615.313+/-0.559 χ^2/NDF: 1469404.6/43

- sign 3620.824+/-0.791 χ^2/NDF: 703414.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

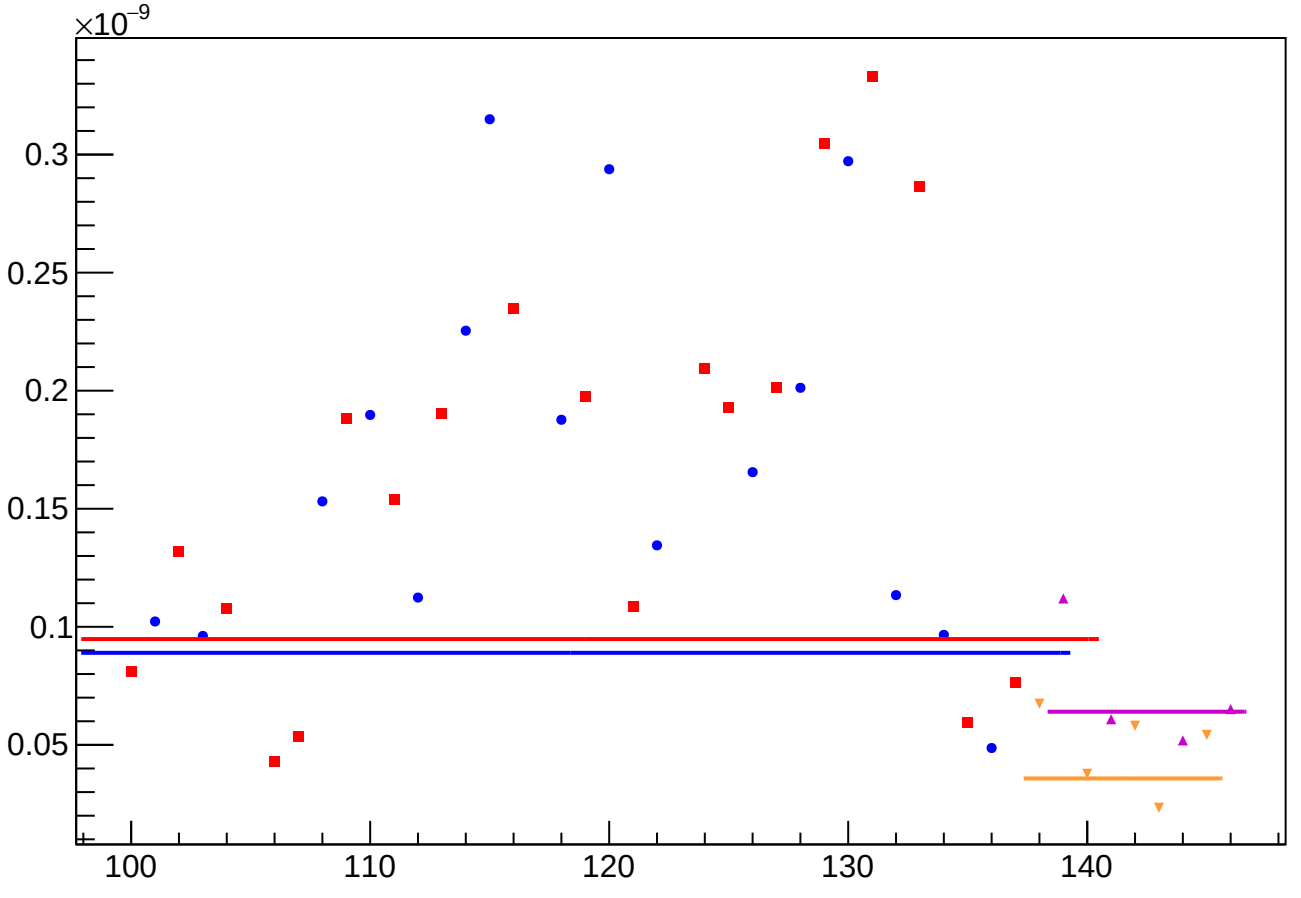
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/20

All: -0.000+/-0.000 χ^2/NDF: 42.2/43

- sign -0.000+/-0.000 χ^2/NDF: 18.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:462218.1/4

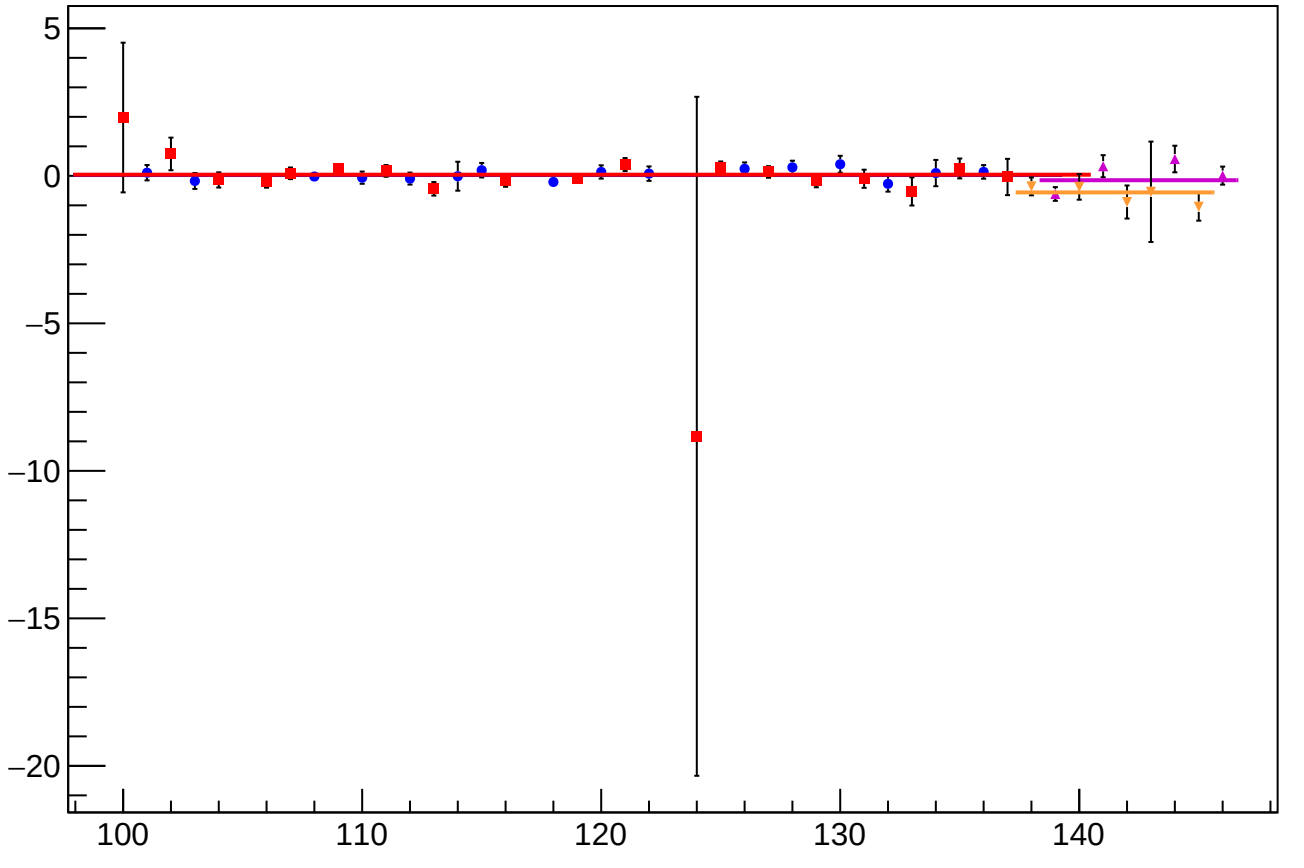
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3178360.2/20

All: 0.000+/-0.000 χ^2/NDF: 6091733.0/43

- sign 0.000+/-0.000 χ^2/NDF: 2242132.1/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

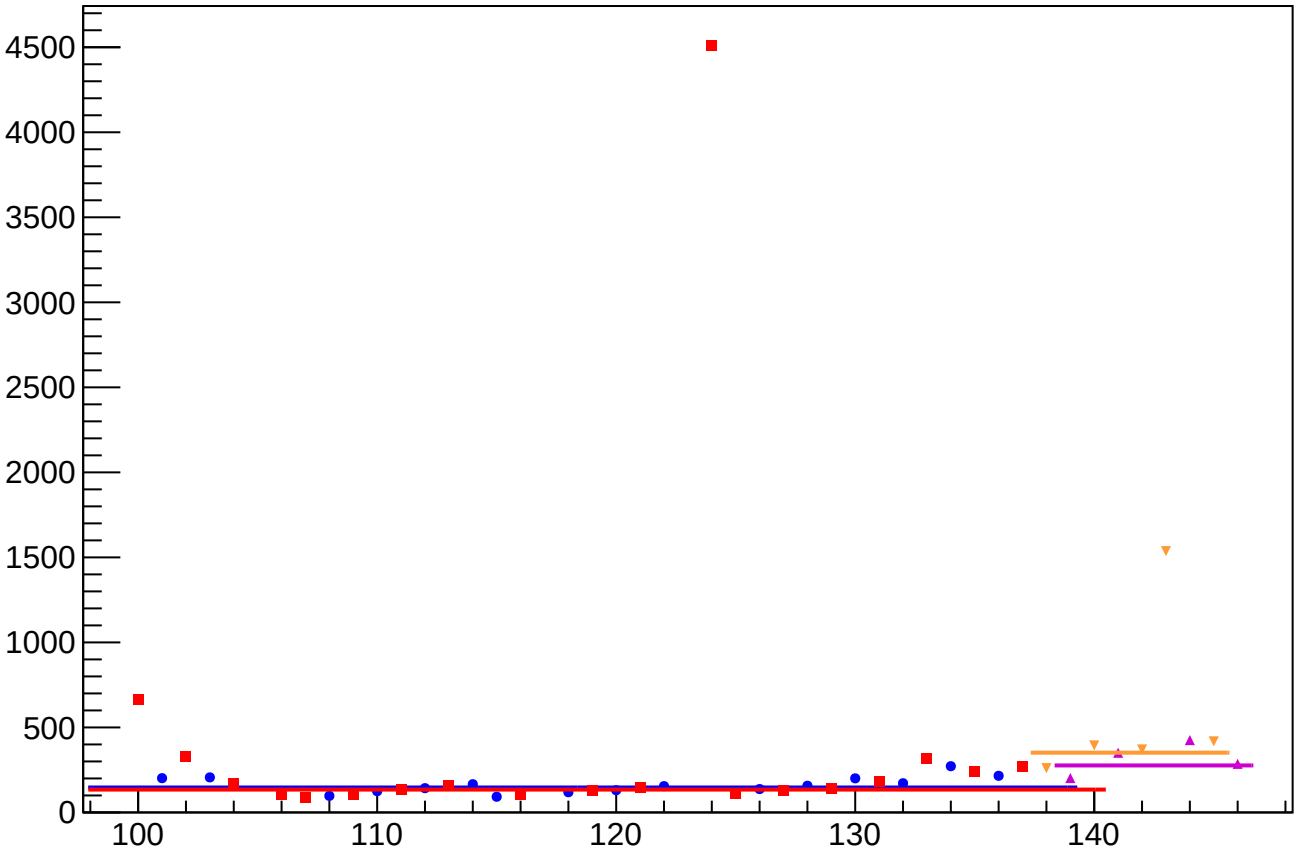
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 351.544+/-0.144 χ^2/NDF:1213708.4/4

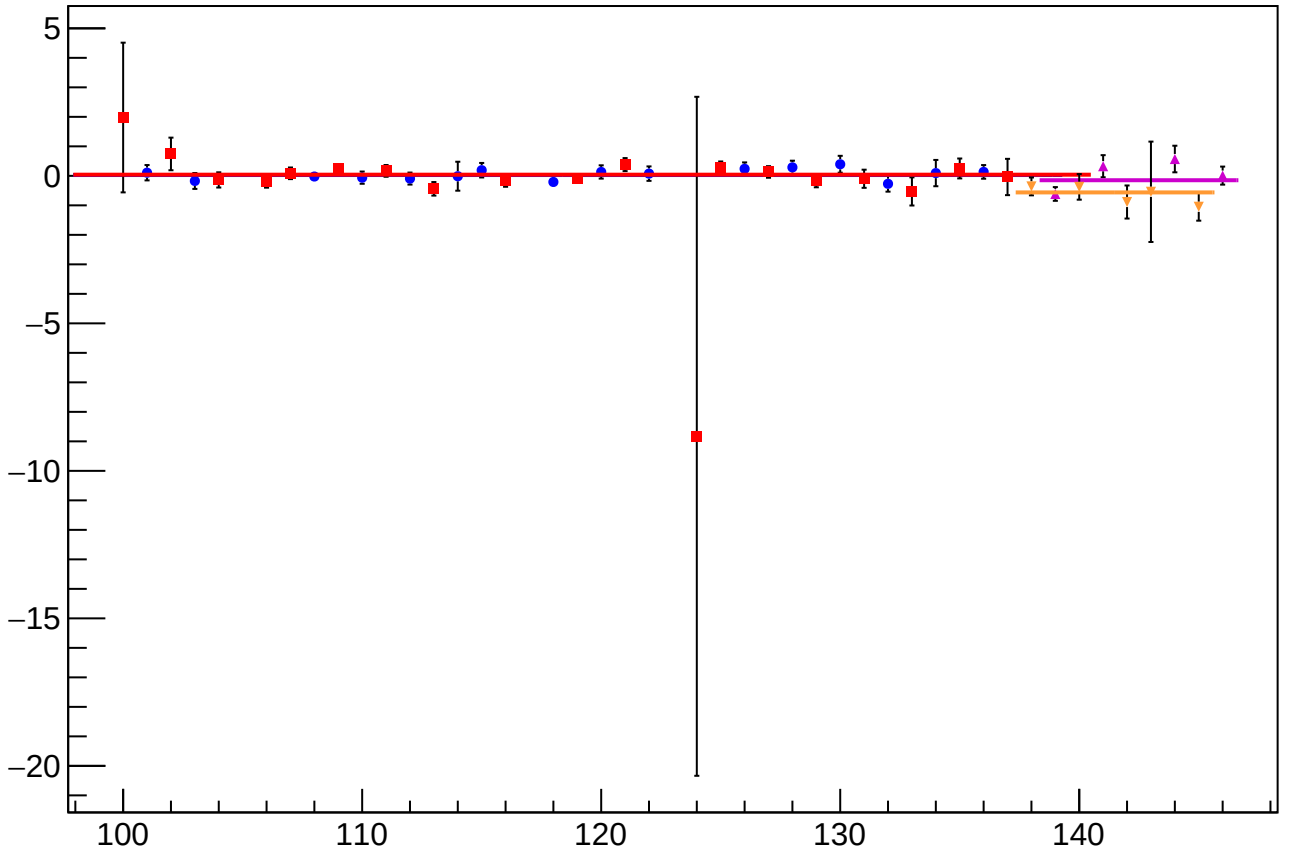
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

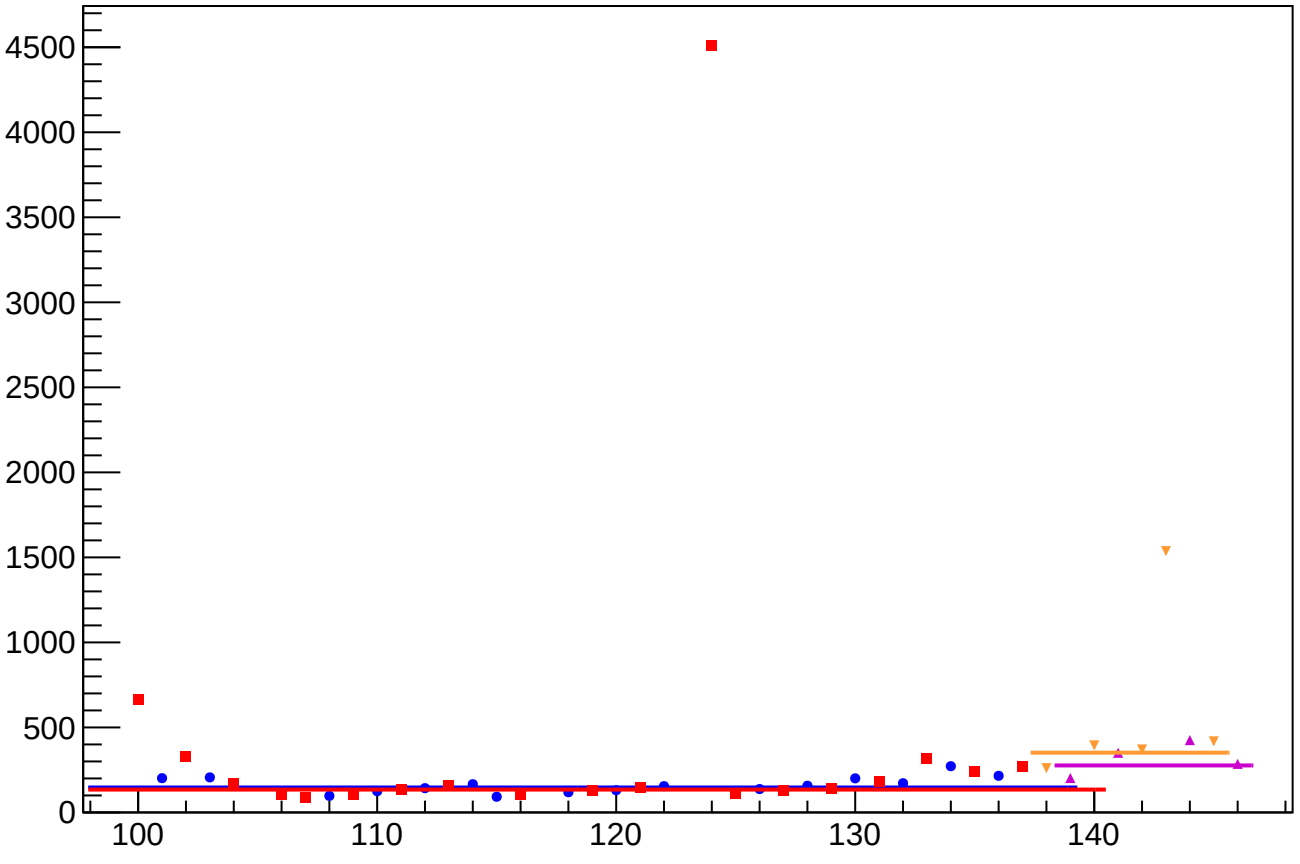
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 351.544+/-0.144 χ^2/NDF:1213708.4/4

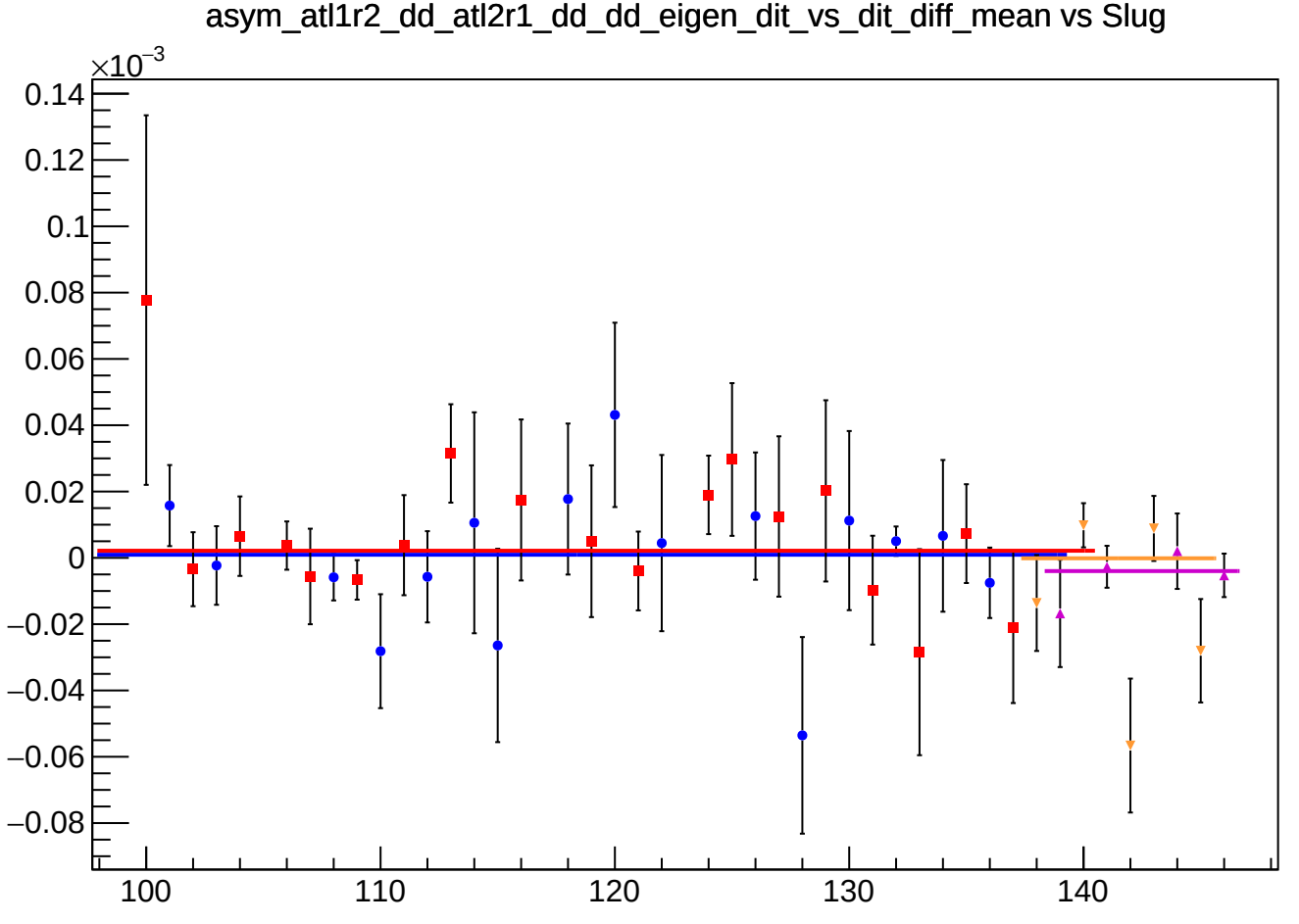
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

- sign 150.131+/-0.037 χ^2/NDF: 3587003.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/4

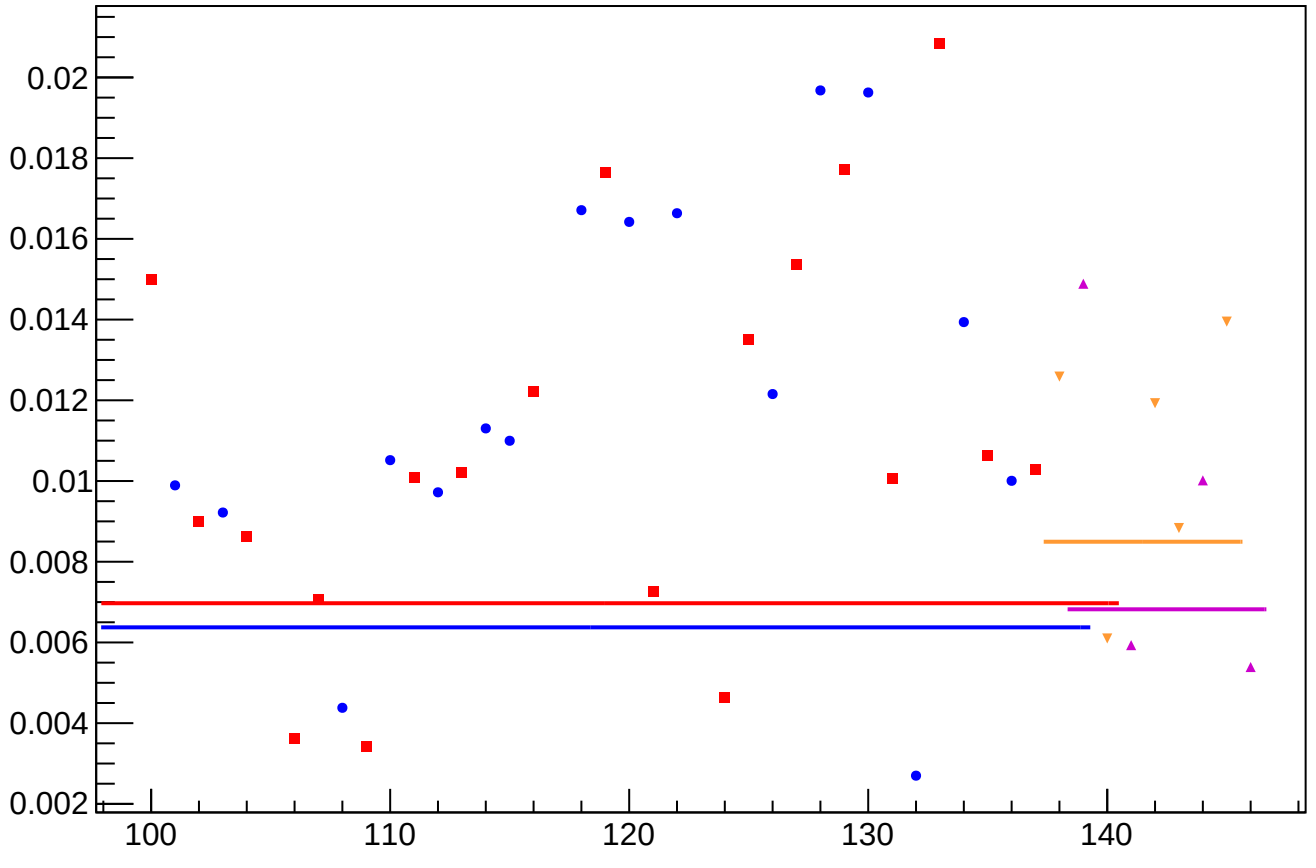
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/20

All: 0.000+/-0.000 χ^2/NDF: 48.4/43

- sign -0.000+/-0.000 χ^2/NDF: 18.5/22



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:723659.6/4

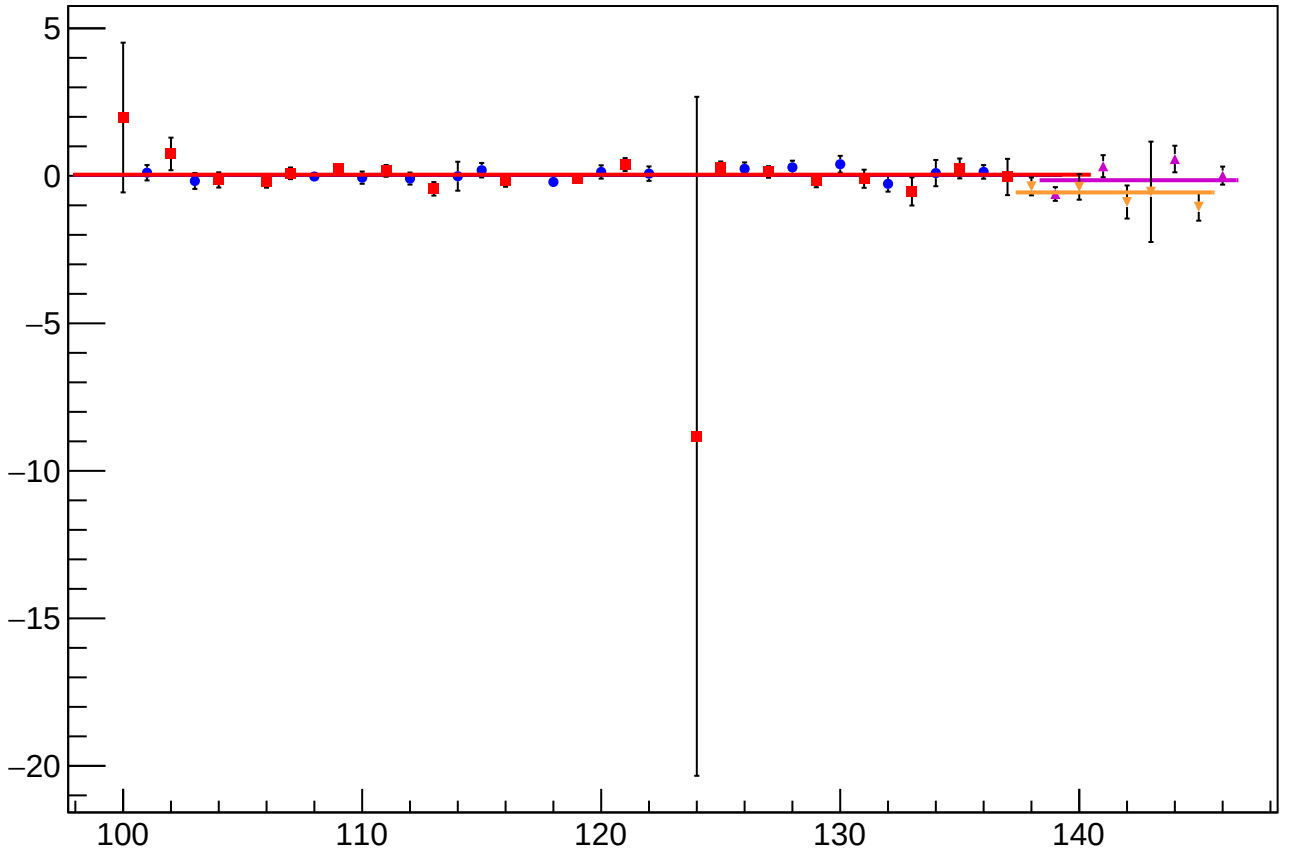
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

+ sign 0.007+/-0.000 χ^2/NDF: 5652236.3/20

All: 0.007+/-0.000 χ^2/NDF: 9852582.6/43

- sign 0.007+/-0.000 χ^2/NDF: 4200098.9/22



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

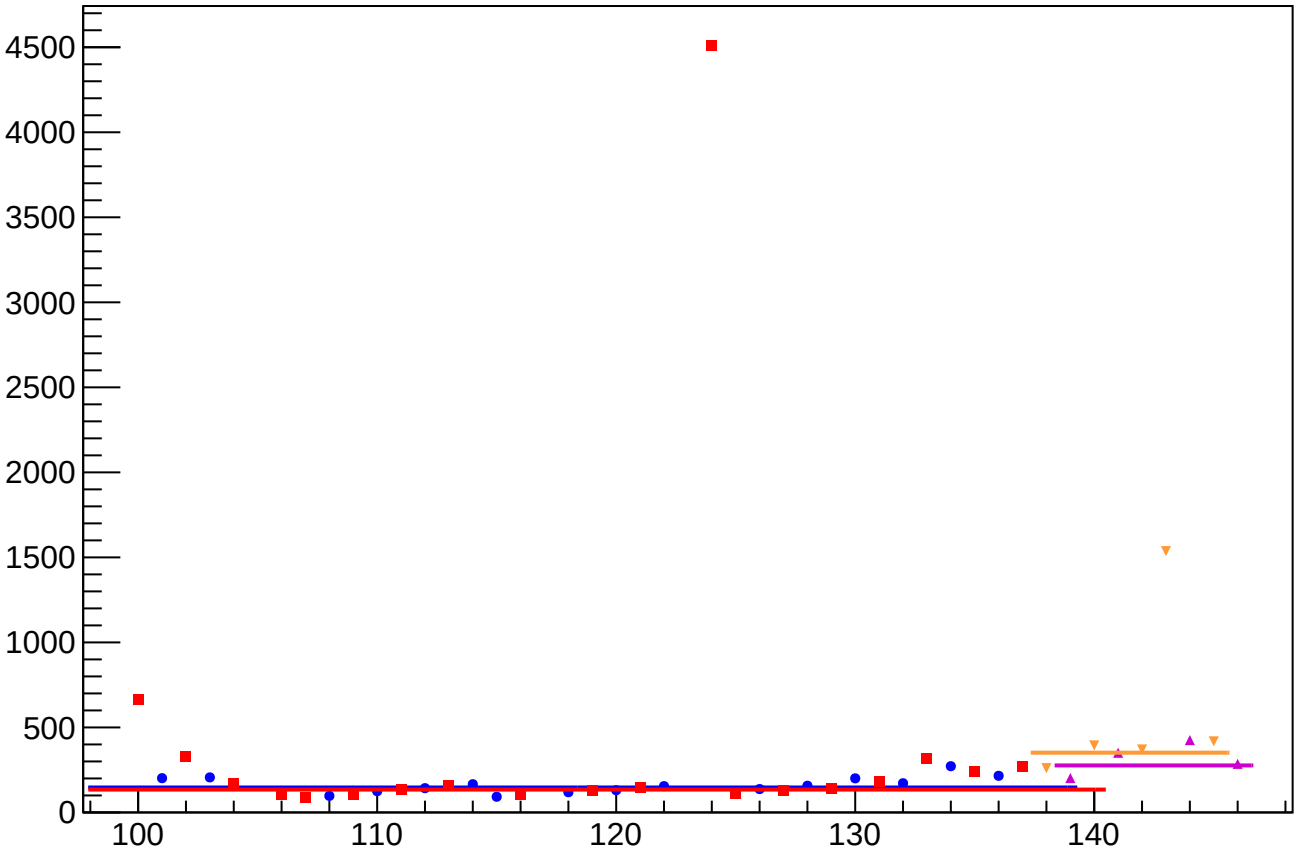
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

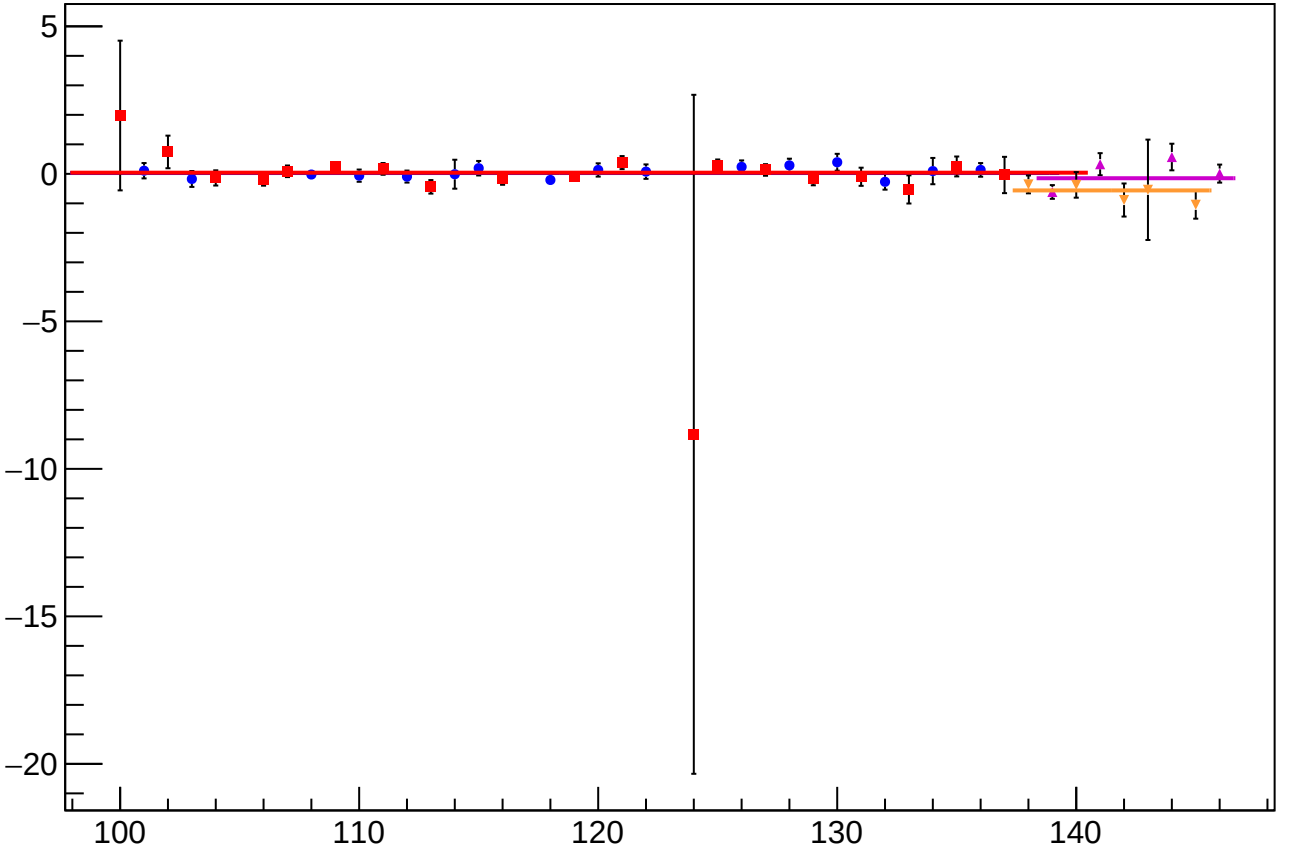
Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22

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: -0.562+/-0.203 χ^2/NDF:2.0/4

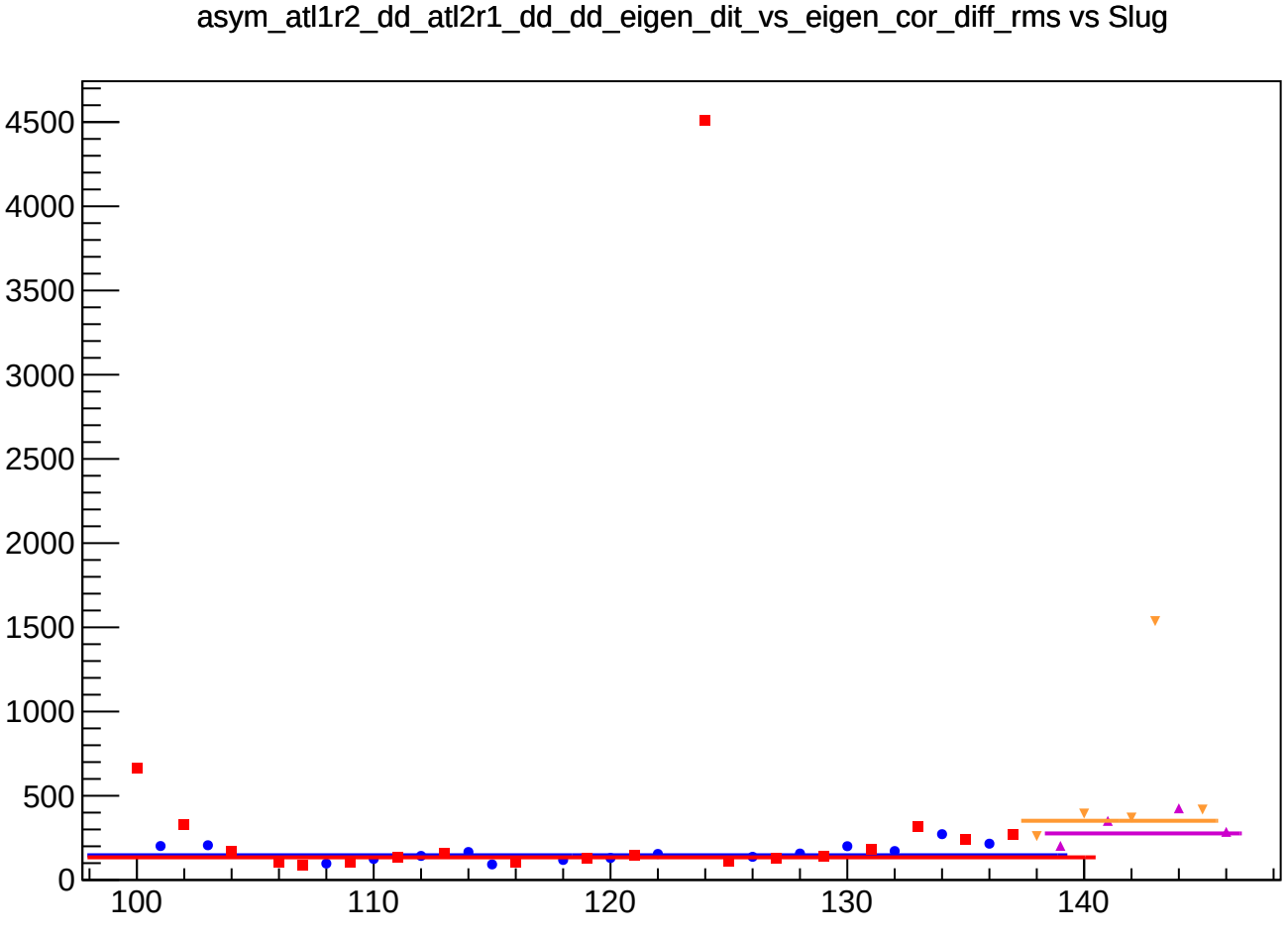
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.148+/-0.156 χ^2/NDF:8.4/3

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/43

- sign 0.019+/-0.052 χ^2/NDF: 29.7/22



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

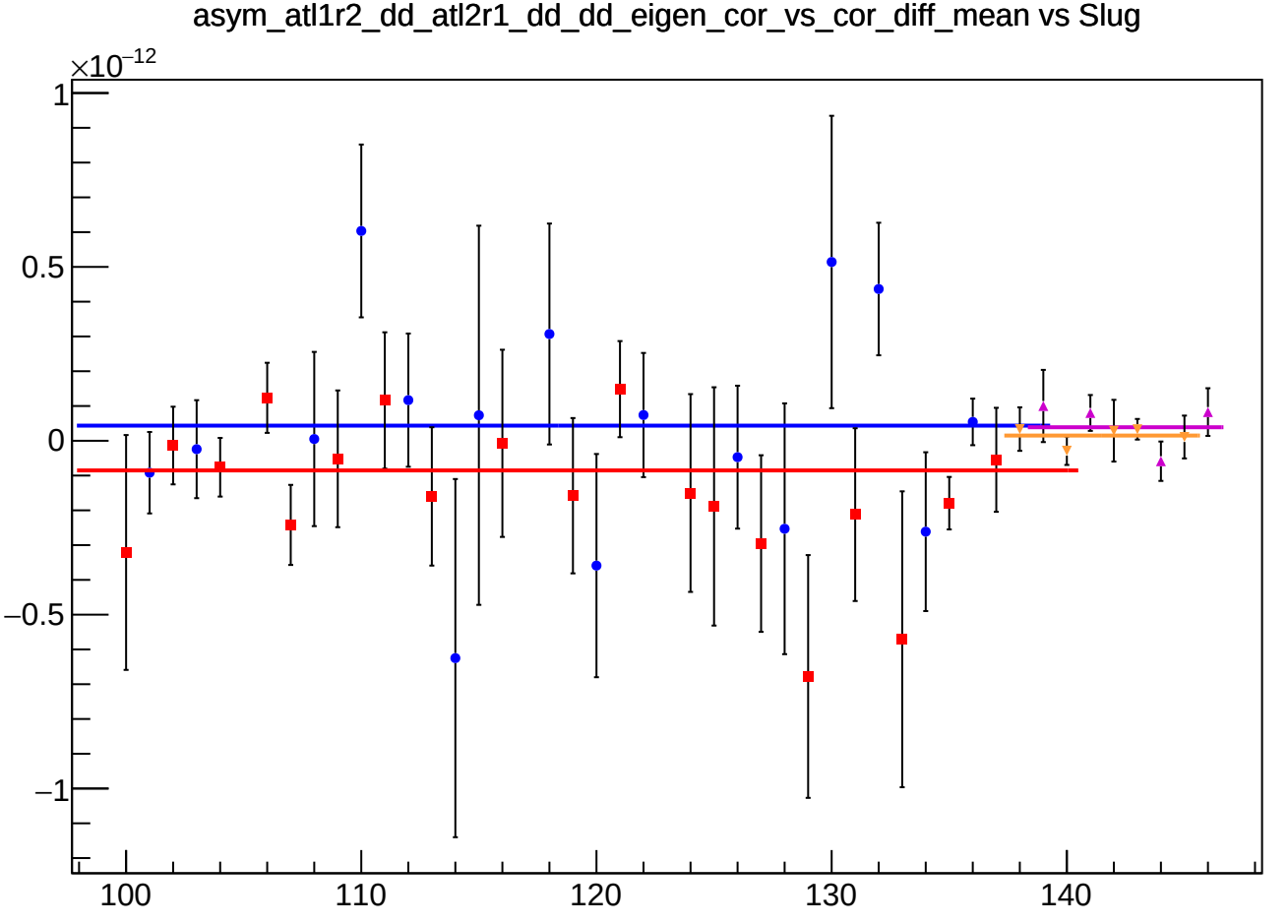
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

- sign 150.132+/-0.037 χ^2/NDF: 3586938.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

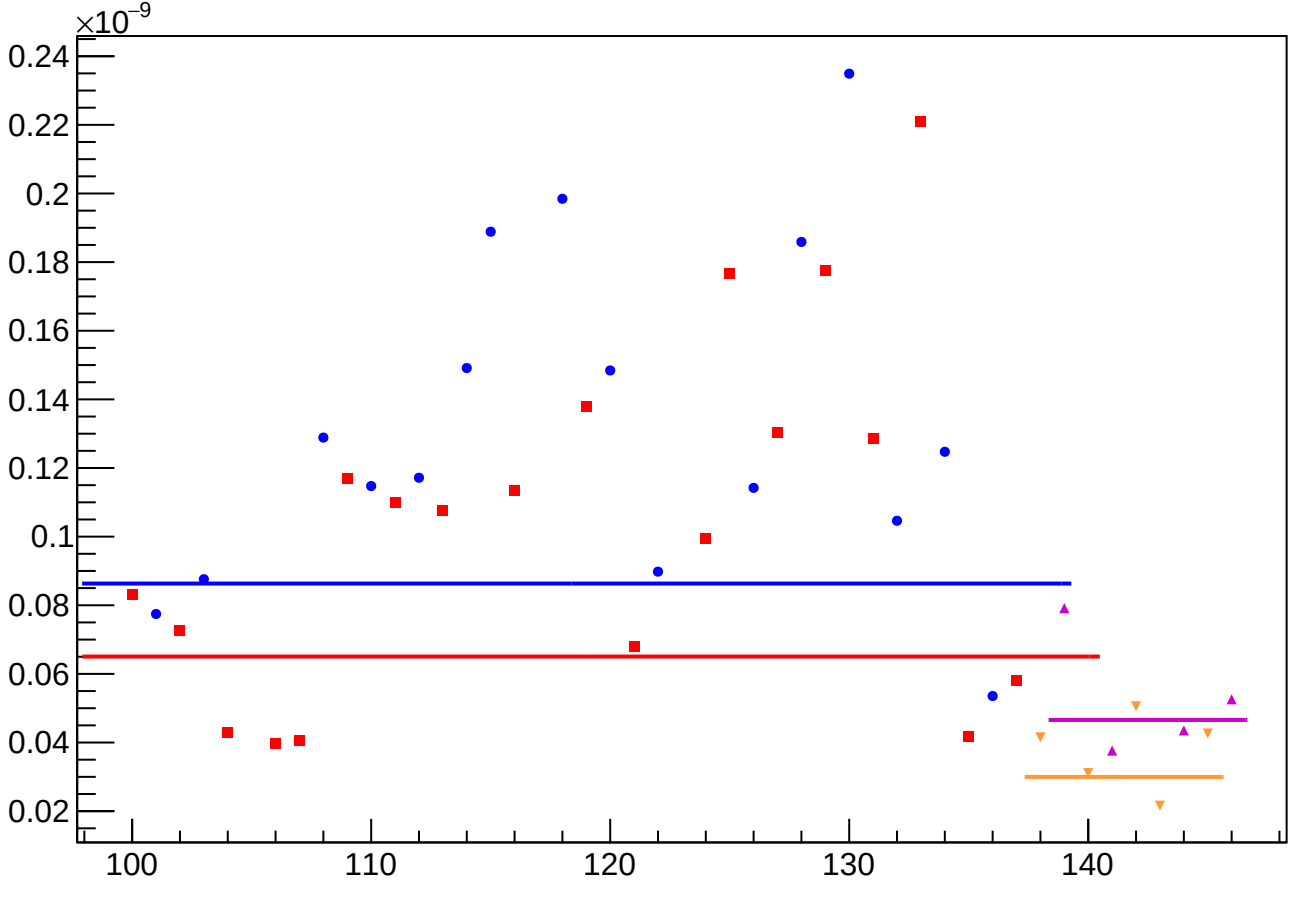
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/20

All: 0.000+/-0.000 χ^2/NDF: 52.3/43

- sign -0.000+/-0.000 χ^2/NDF: 29.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:422011.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

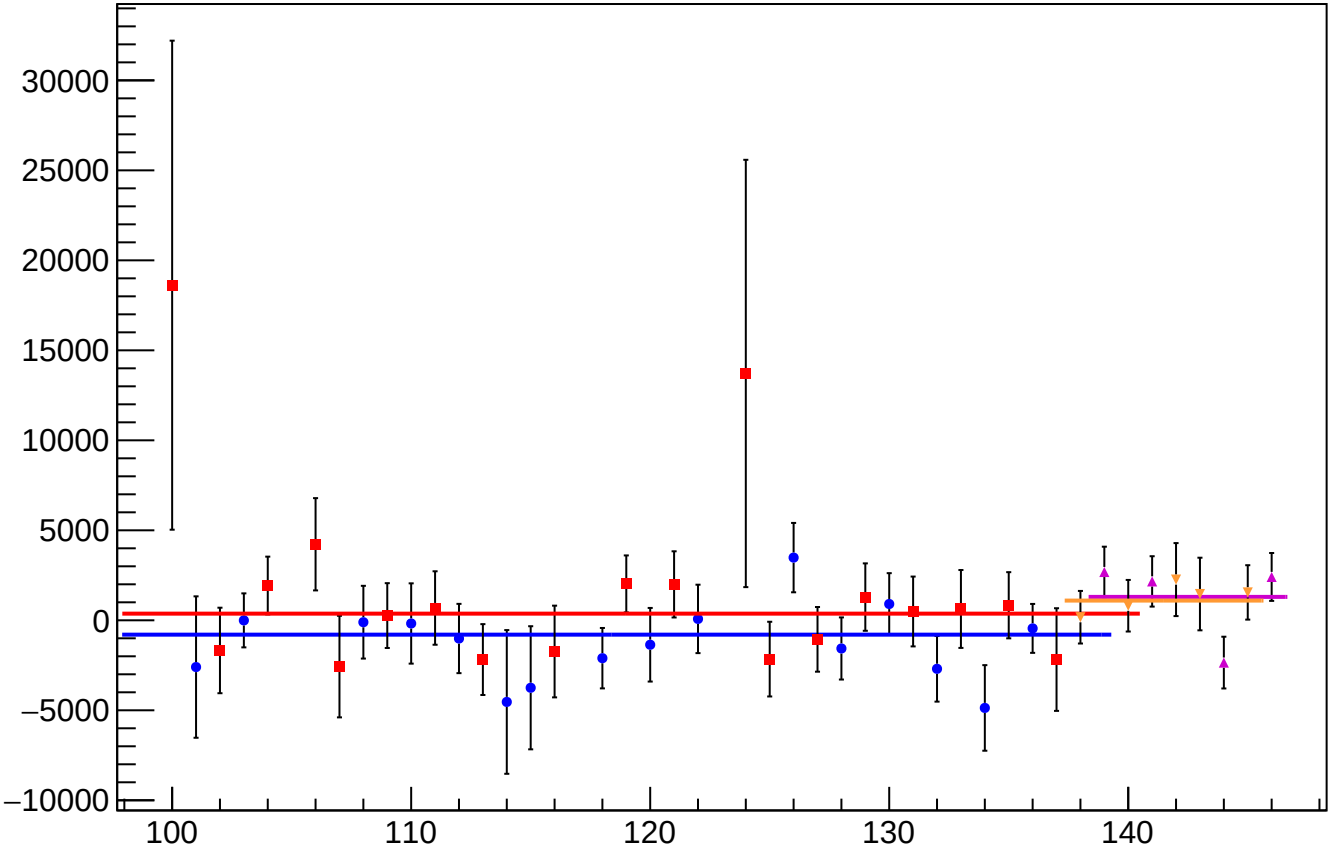
Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4814445.4/20

All: 0.000+/-0.000 χ^2/NDF: 8047653.1/43

- sign 0.000+/-0.000 χ^2/NDF: 2750566.7/22

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 1095.395+/-728.918 χ^2/NDF:0.9/4

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

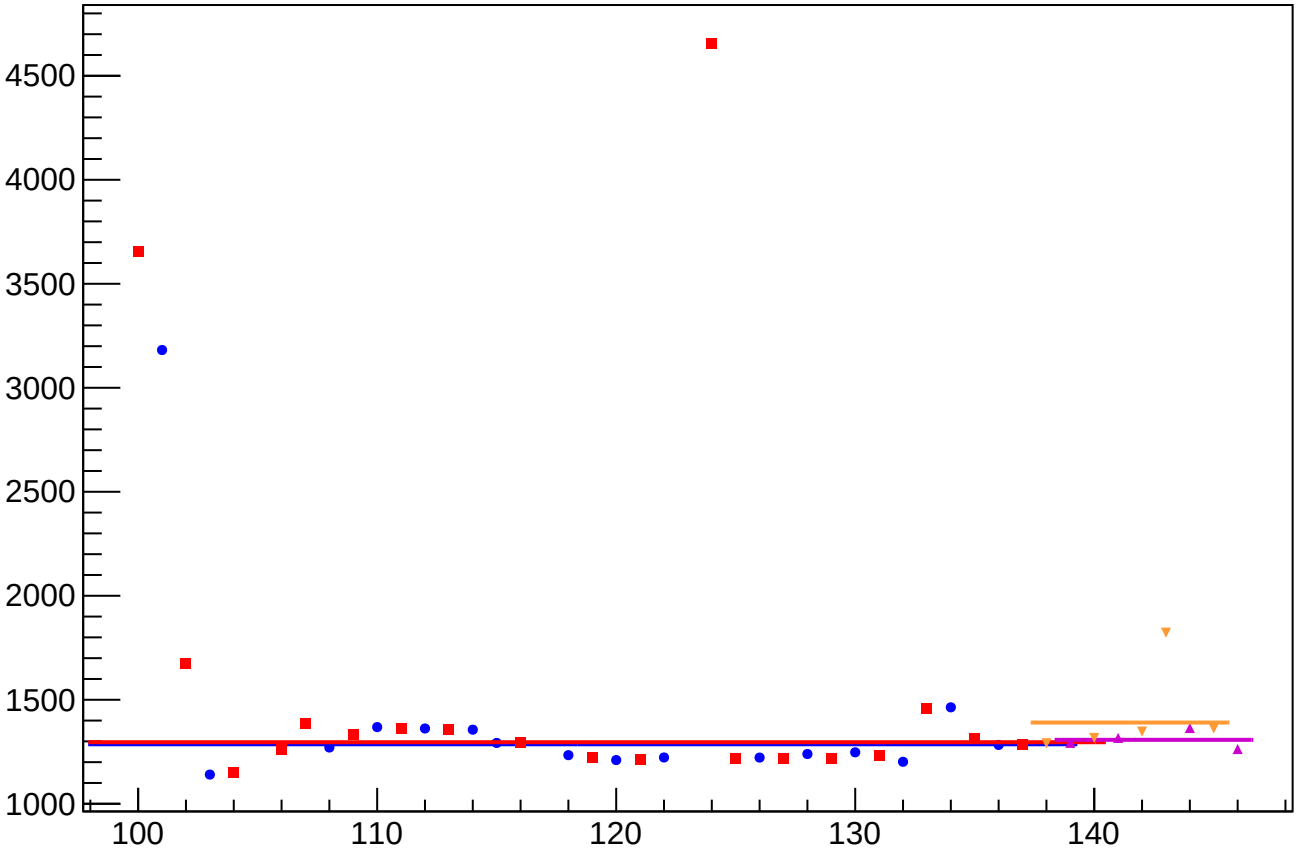
Left In: 1300.787+/-695.777 χ^2/NDF:8.5/3

+ sign -212.420+/-405.198 χ^2/NDF: 19.0/20

All: 238.913+/-284.059 χ^2/NDF: 46.7/43

- sign 675.077+/-398.331 χ^2/NDF: 25.3/22

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

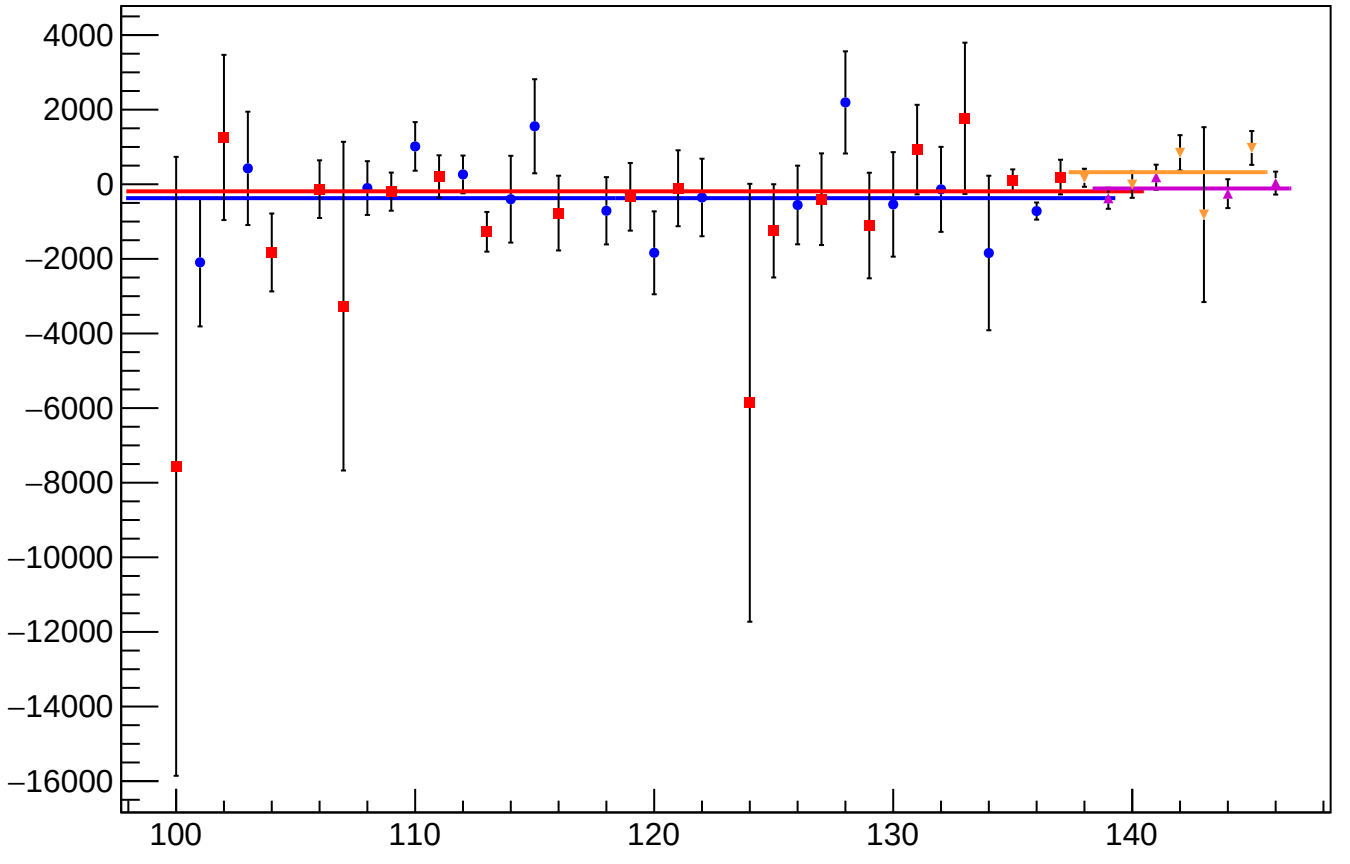
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1318.356+/-0.287 χ^2/NDF: 654574.2/20

All: 1308.868+/-0.201 χ^2/NDF: 990800.6/43

- sign 1299.699+/-0.282 χ^2/NDF: 334070.0/22



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 324.322+/-169.811 χ^2/NDF:4.8/4

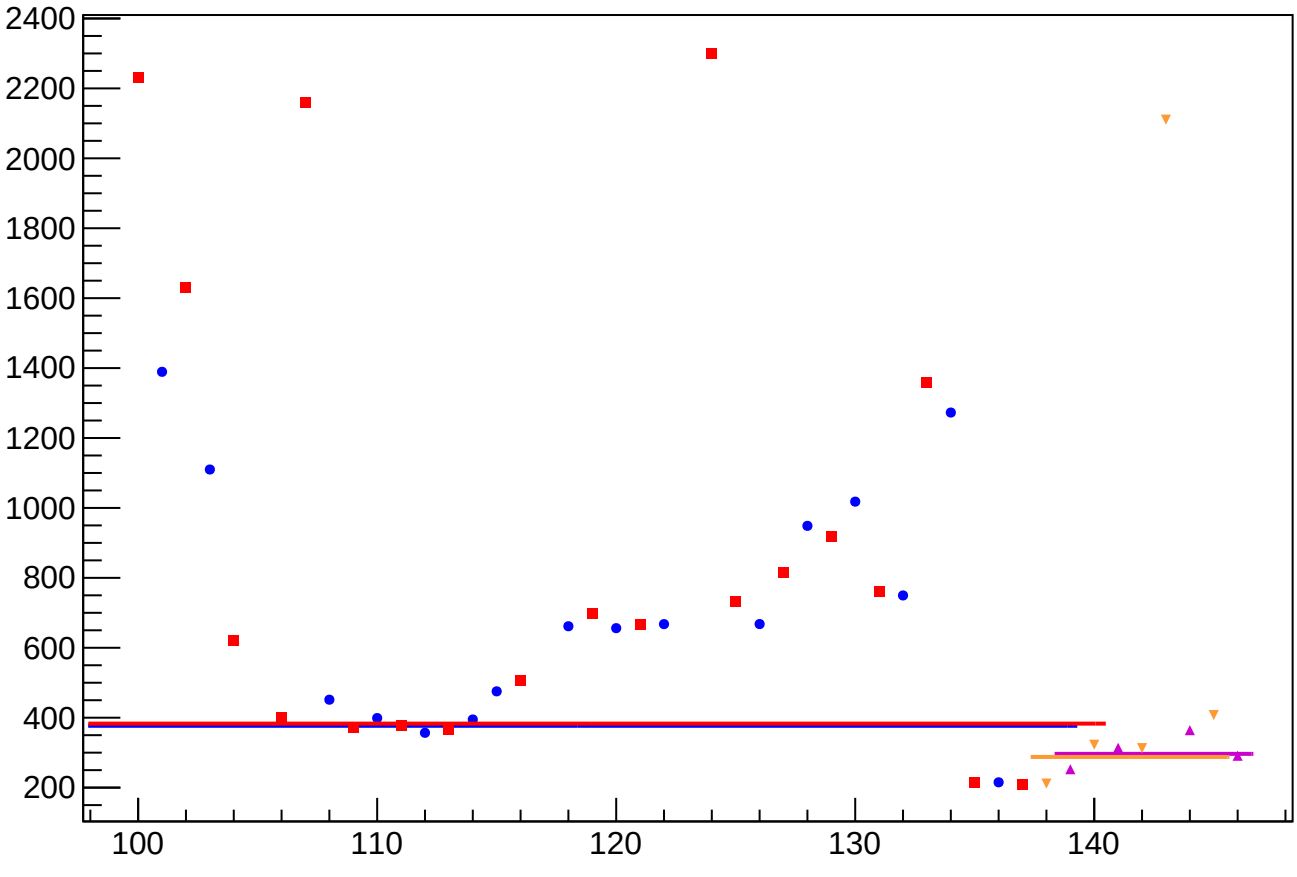
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -112.952+/-160.733 χ^2/NDF:2.0/3

+ sign -27.314+/-119.502 χ^2/NDF: 31.4/20

All: -89.580+/-83.476 χ^2/NDF: 48.7/43

- sign -148.916+/-116.656 χ^2/NDF: 16.8/22



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 287.731+/-0.120 χ^2/NDF:1573329.6/4

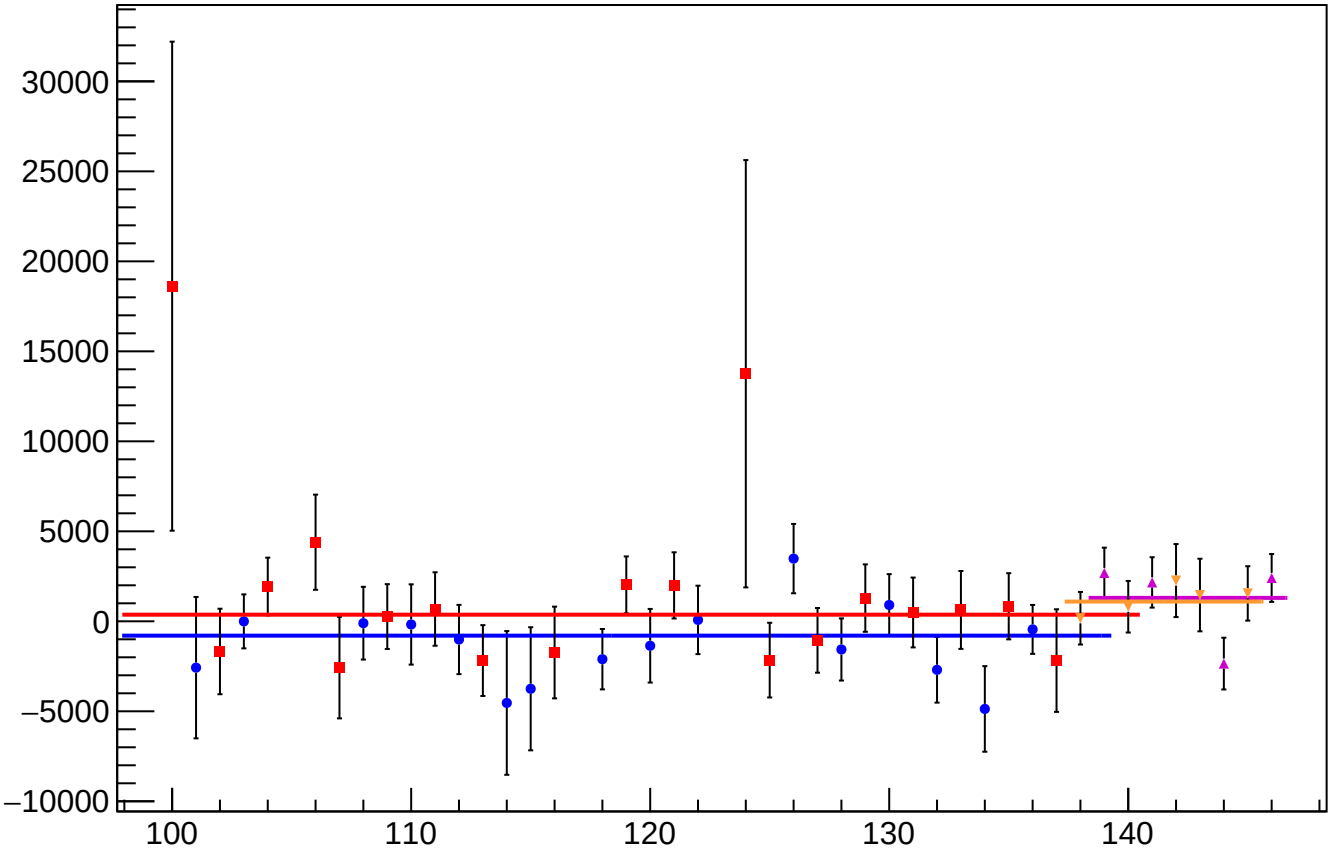
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.534+/-0.114 χ^2/NDF:115766.0/3

+ sign 332.736+/-0.085 χ^2/NDF: 6041838.3/20

All: 335.169+/-0.059 χ^2/NDF: 10487721.1/43

- sign 337.489+/-0.082 χ^2/NDF: 4444262.7/22



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

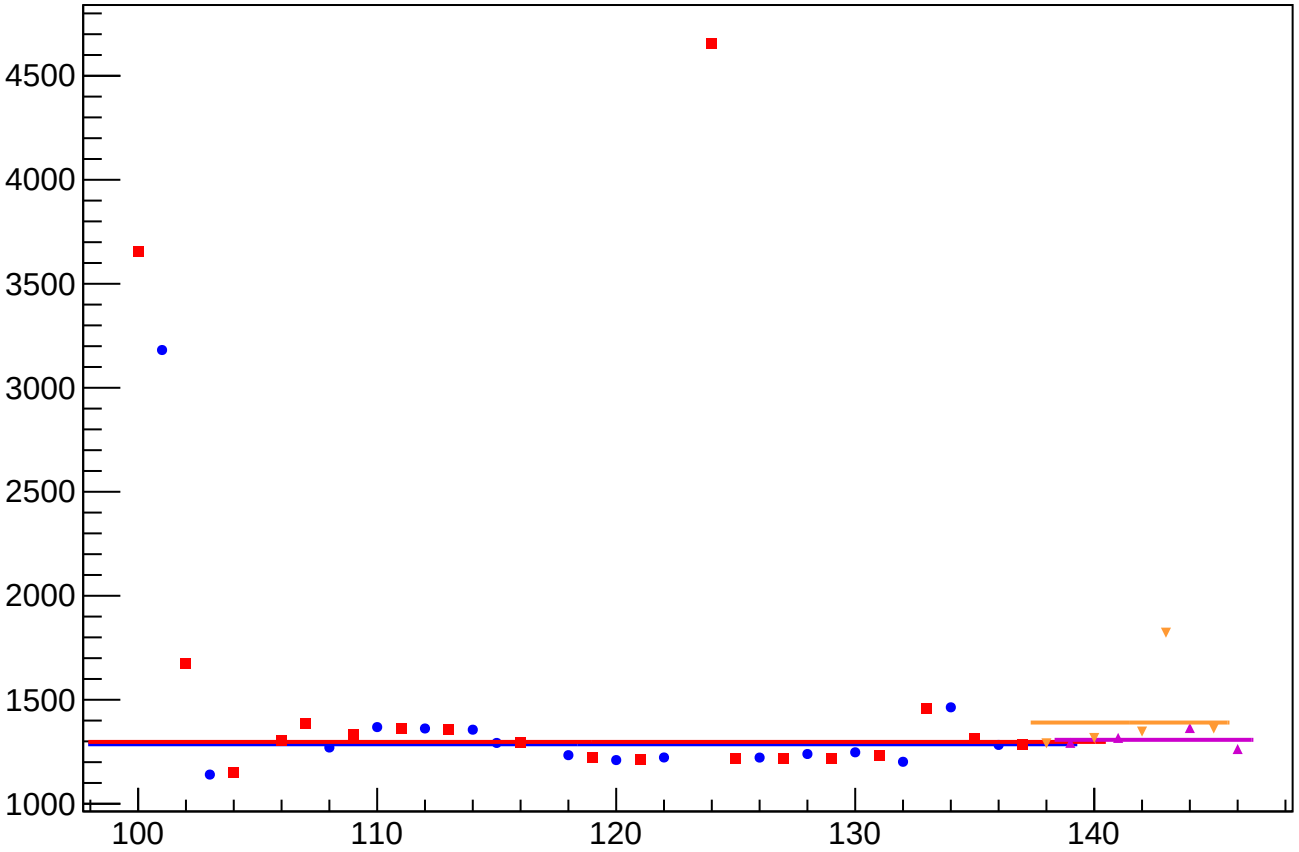
Left In: 1300.878+/-695.777 χ^2/NDF:8.5/3

+ sign -212.131+/-405.198 χ^2/NDF: 19.0/20

All: 238.109+/-284.164 χ^2/NDF: 46.8/43

- sign 673.846+/-398.619 χ^2/NDF: 25.4/22

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

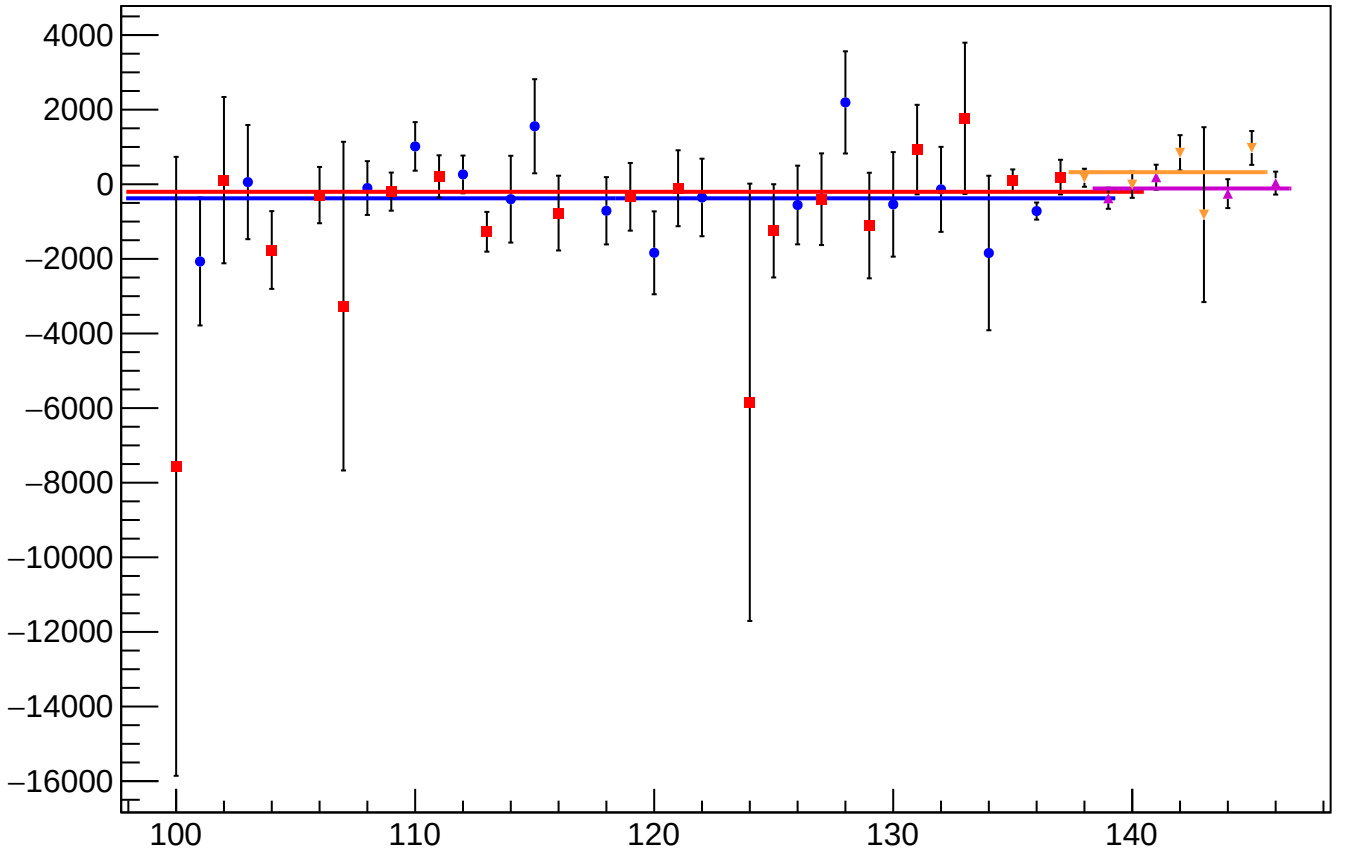
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1318.356+/-0.287 χ^2/NDF: 654575.7/20

All: 1309.373+/-0.201 χ^2/NDF: 990165.1/43

- sign 1300.679+/-0.282 χ^2/NDF: 333655.0/22



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 324.380+/-169.817 χ^2/NDF:4.8/4

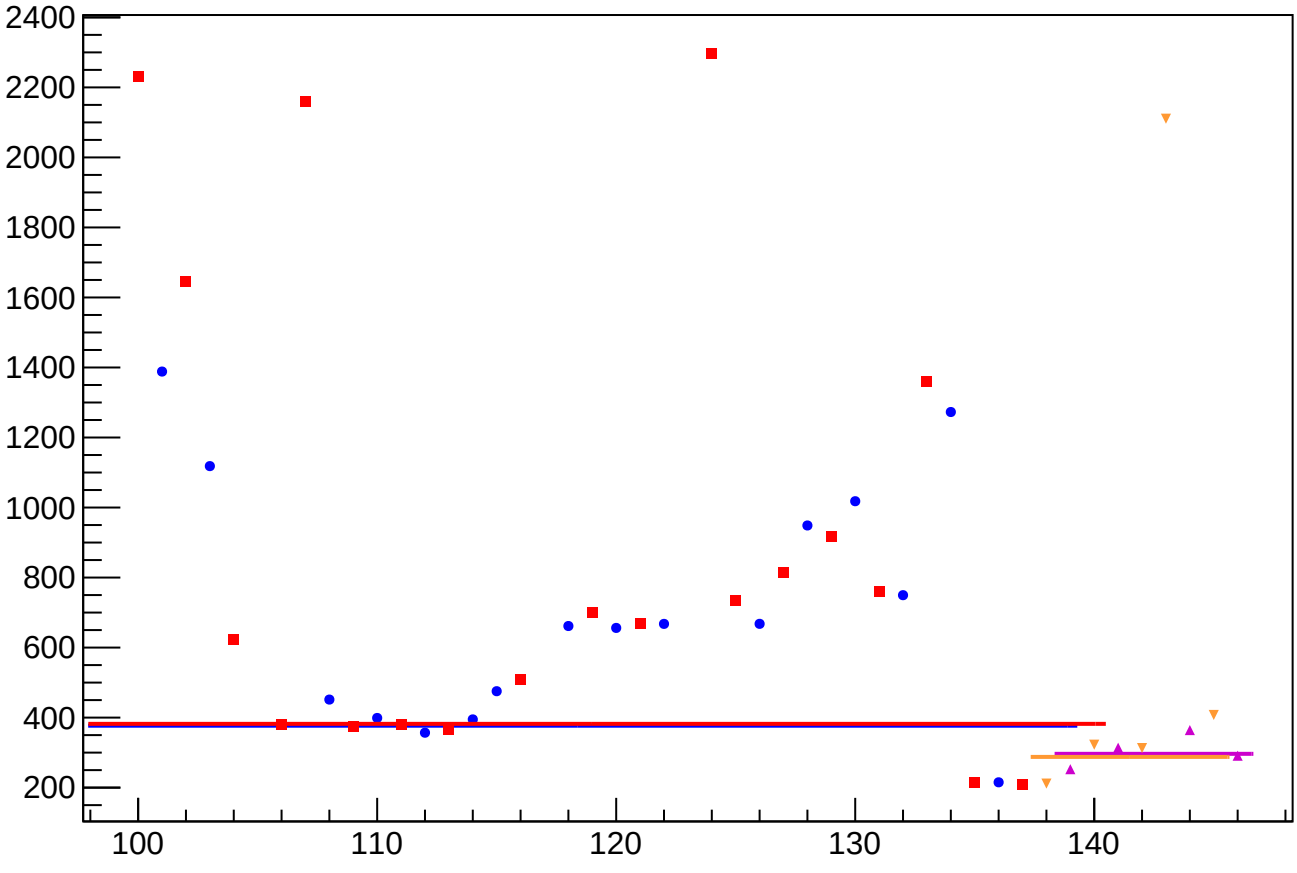
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -113.044+/-160.731 χ^2/NDF:2.0/3

+ sign -29.502+/-119.511 χ^2/NDF: 31.3/20

All: -93.937+/-83.456 χ^2/NDF: 48.1/43

- sign -155.262+/-116.591 χ^2/NDF: 16.2/22



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 287.743+/-0.120 χ^2/NDF:1573334.3/4

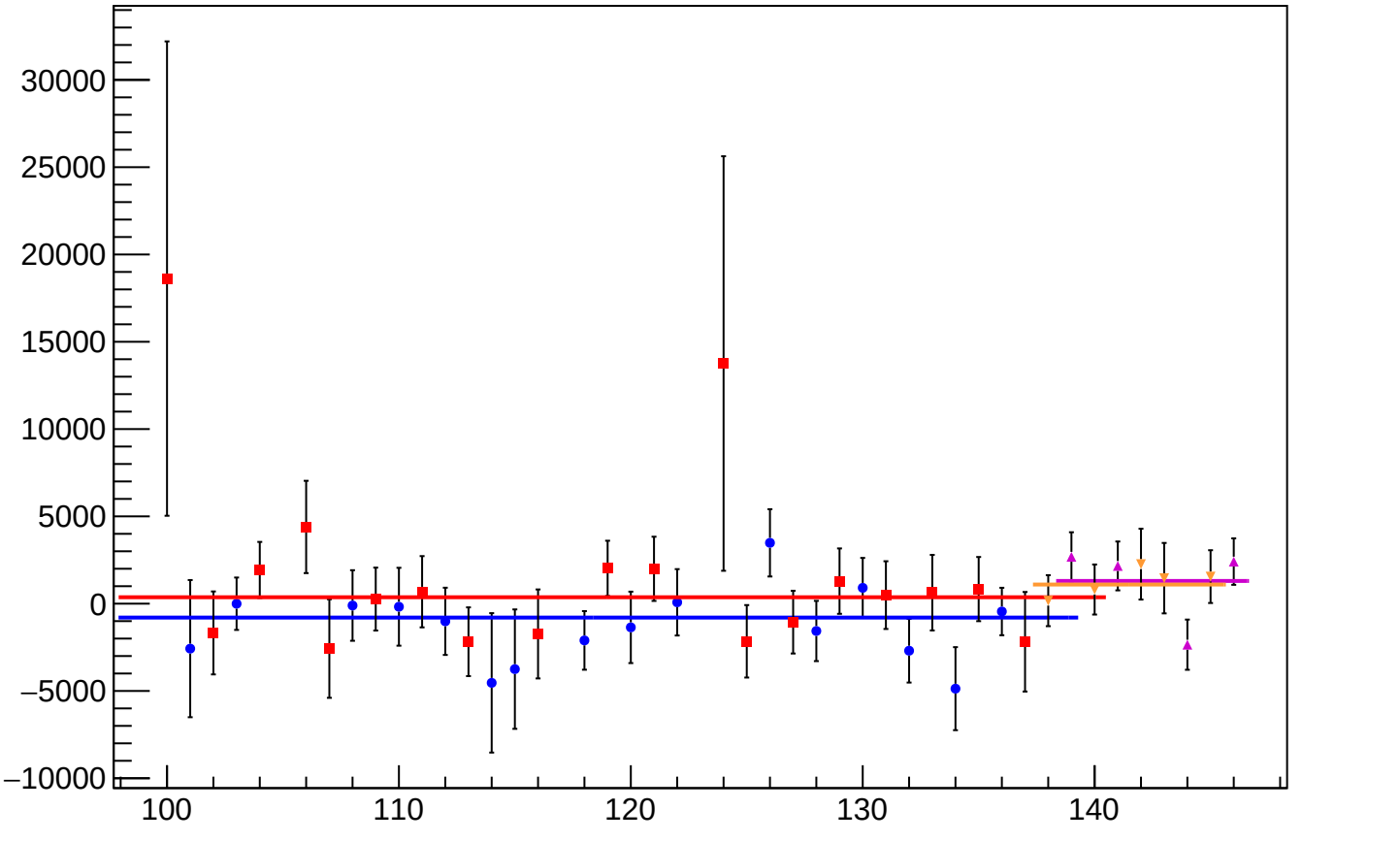
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

+ sign 332.734+/-0.085 χ^2/NDF: 6044801.3/20

All: 334.967+/-0.059 χ^2/NDF: 10490325.1/43

- sign 337.093+/-0.082 χ^2/NDF: 4444160.8/22



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

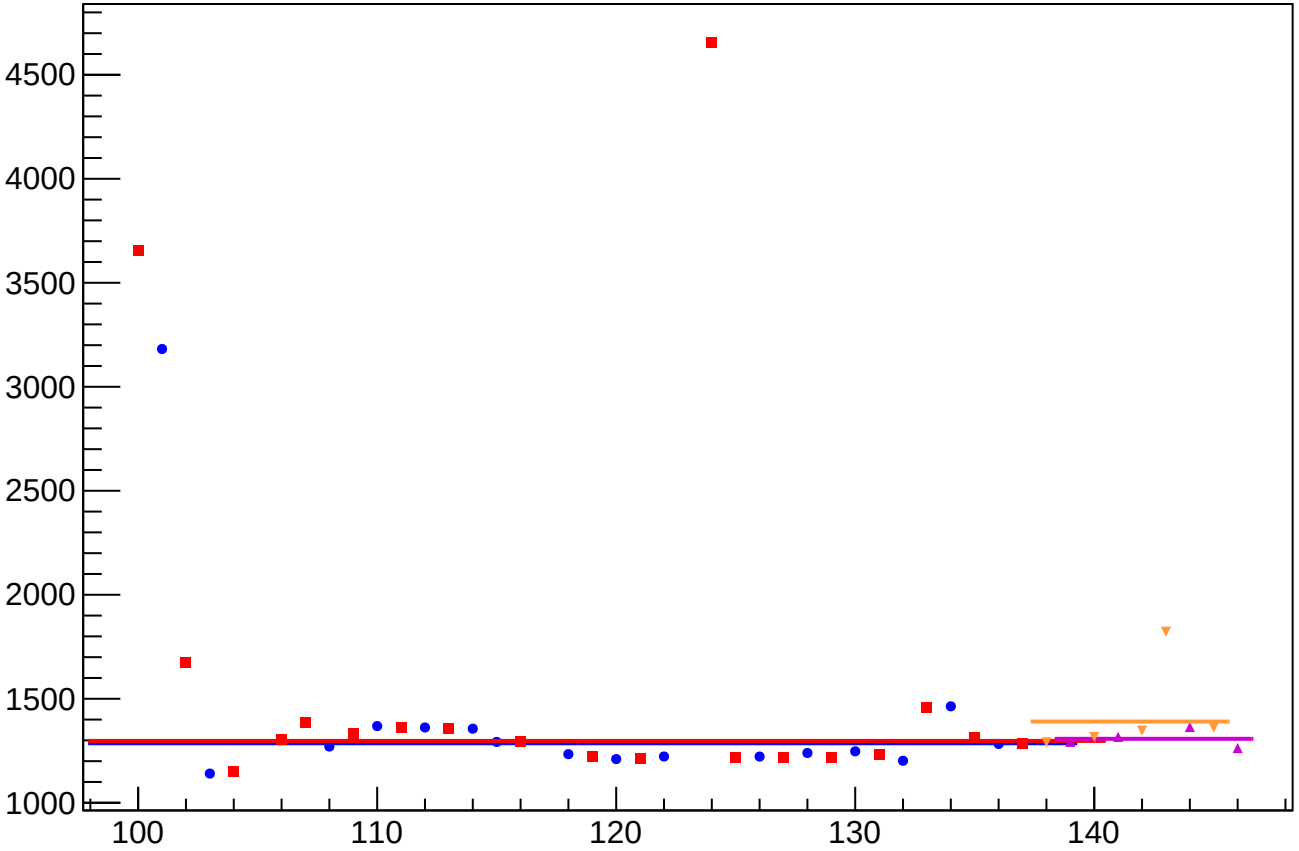
Left In: 1300.878+/-695.777 χ^2/NDF:8.5/3

+ sign -212.131+/-405.198 χ^2/NDF: 19.0/20

All: 238.109+/-284.164 χ^2/NDF: 46.8/43

- sign 673.846+/-398.619 χ^2/NDF: 25.4/22

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: 1390.491+/-0.515 χ^2/NDF:108101.4/4

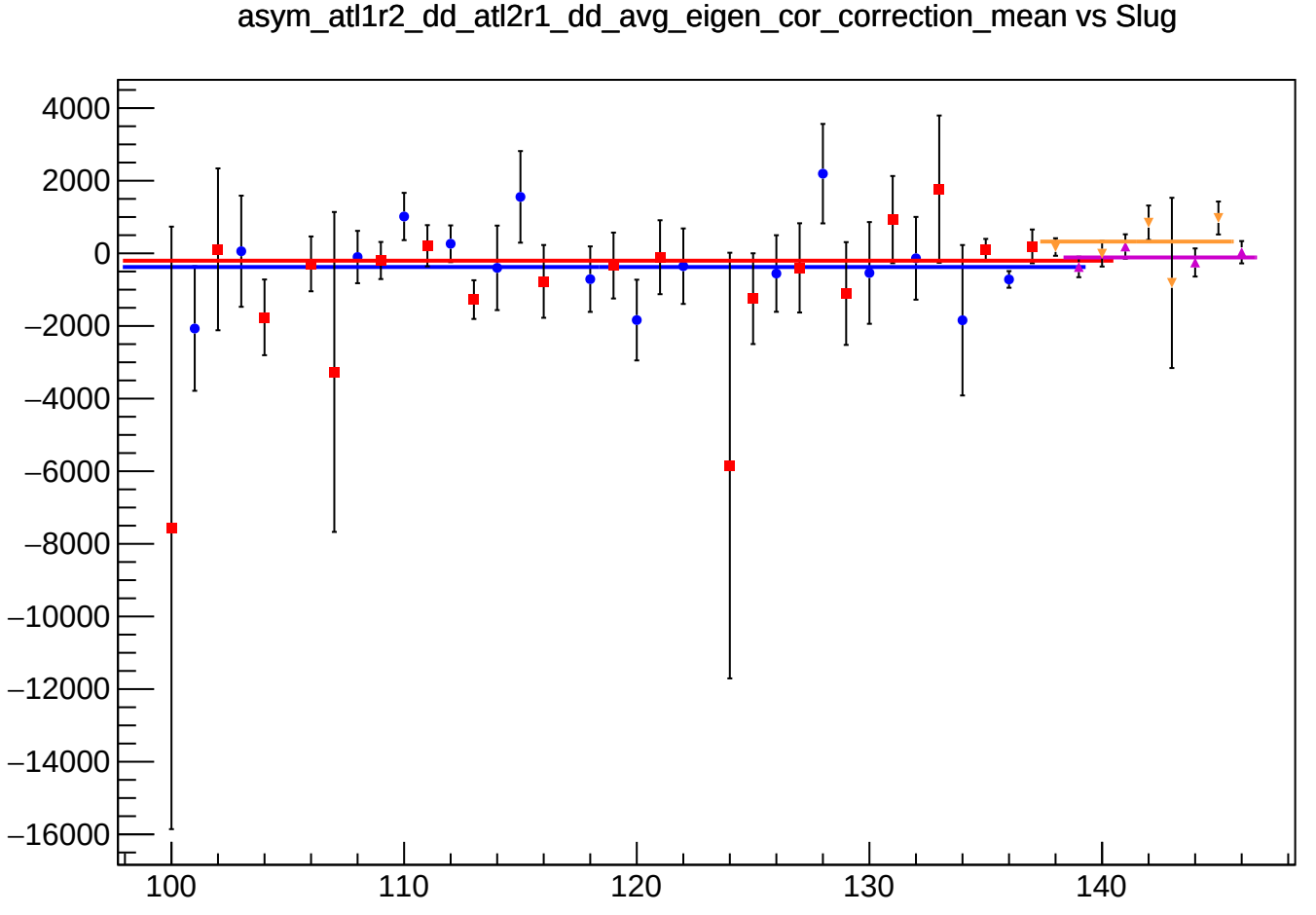
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

+ sign 1318.356+/-0.287 χ^2/NDF: 654575.7/20

All: 1309.373+/-0.201 χ^2/NDF: 990165.1/43

- sign 1300.679+/-0.282 χ^2/NDF: 333655.0/22



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 324.380+/-169.817 χ^2/NDF:4.8/4

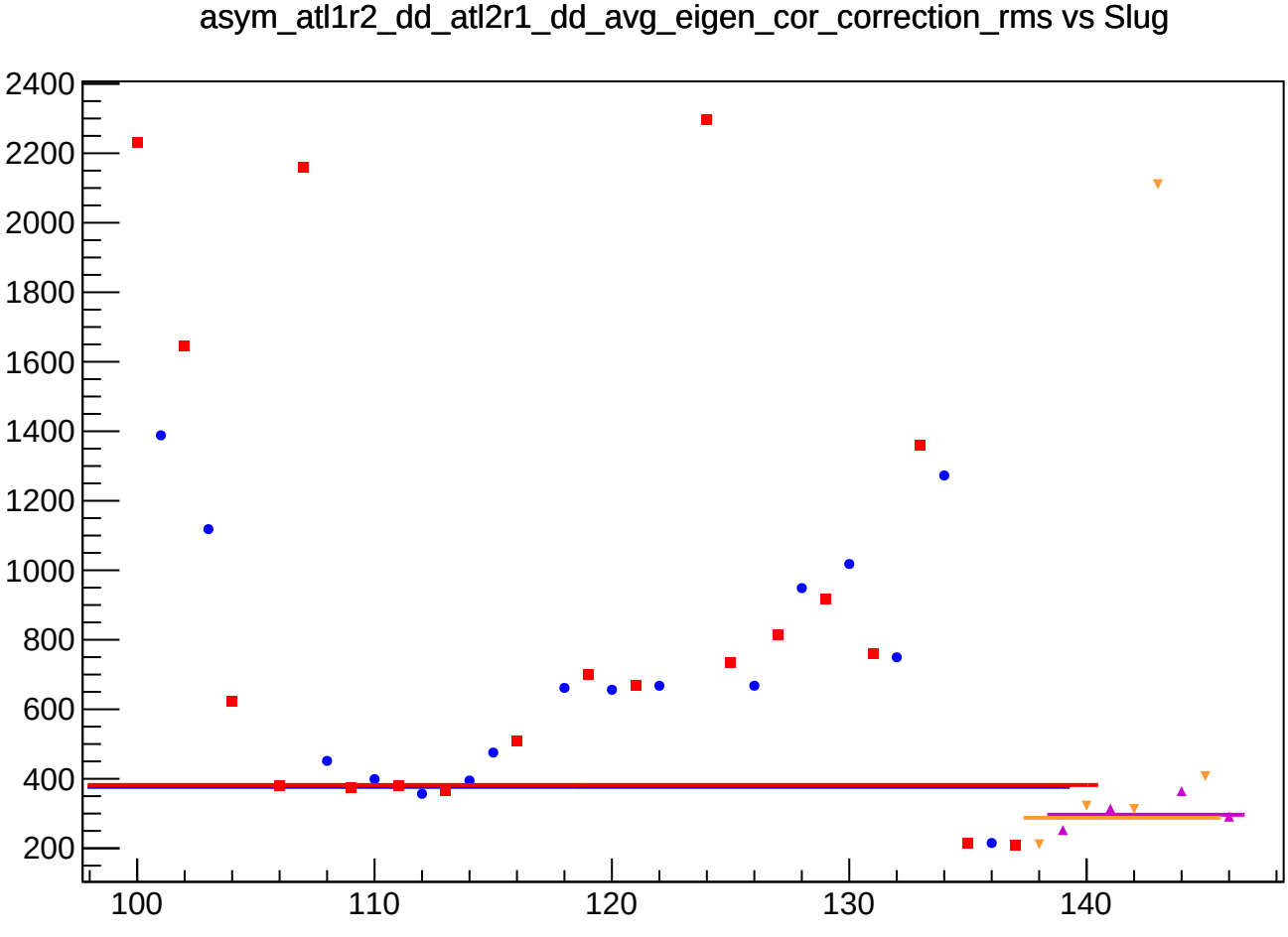
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -113.044+/-160.731 χ^2/NDF:2.0/3

\+ sign -29.502+/-119.511 χ^2/NDF: 31.3/20

All: -93.937+/-83.456 χ^2/NDF: 48.1/43

\- sign -155.262+/-116.591 χ^2/NDF: 16.2/22



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 287.743+/-0.120 χ^2/NDF:1573334.3/4

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

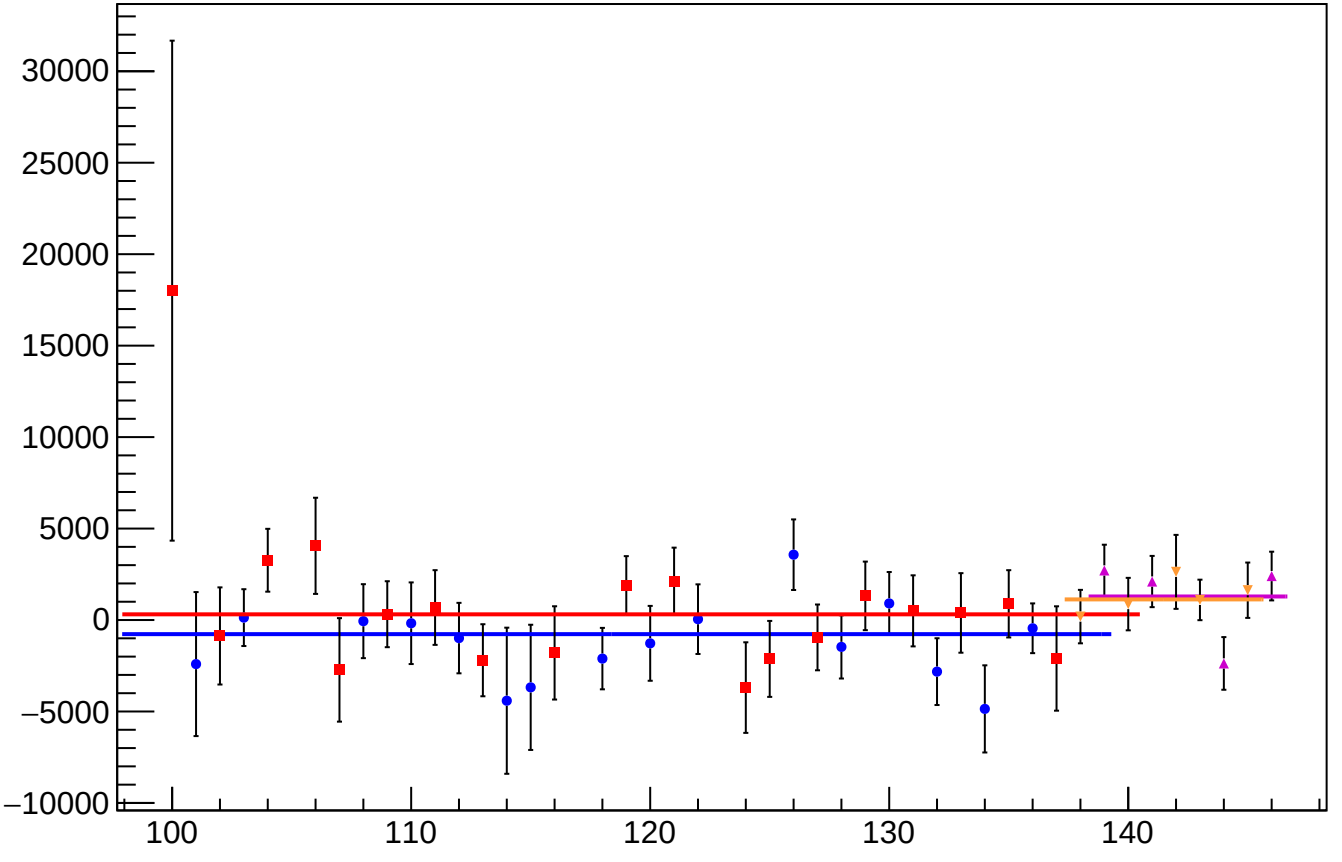
Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

+ sign 332.734+/-0.085 χ^2/NDF: 6044801.3/20

All: 334.967+/-0.059 χ^2/NDF: 10490325.1/43

- sign 337.093+/-0.082 χ^2/NDF: 4444160.8/22

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1127.187+/-638.641 χ^2/NDF:1.1/4

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

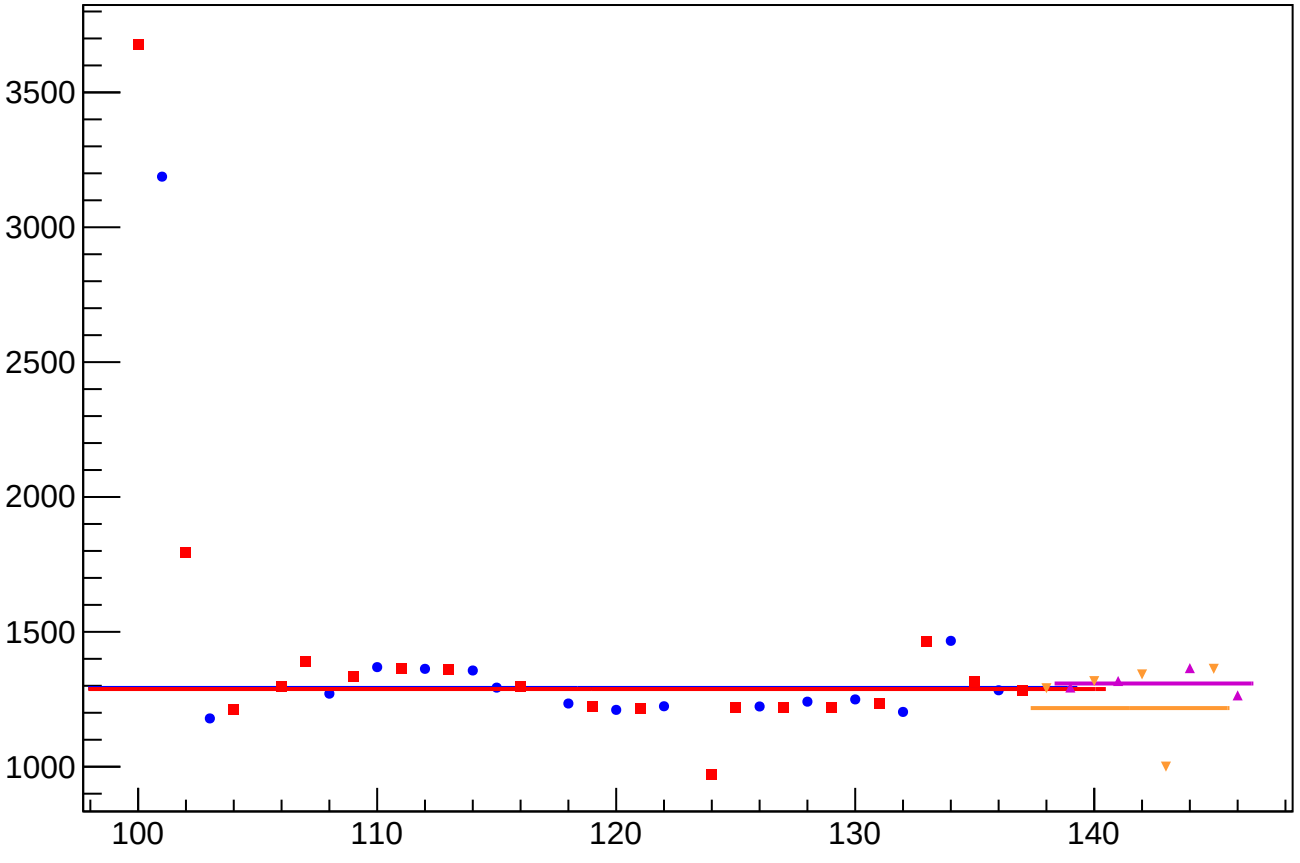
Left In: 1287.022+/-696.377 χ^2/NDF:8.5/3

+ sign -68.666+/-388.558 χ^2/NDF: 20.3/20

All: 272.454+/-277.580 χ^2/NDF: 49.6/43

- sign 627.988+/-396.682 χ^2/NDF: 27.8/22

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1217.380+/-0.452 χ^2/NDF:117768.6/4

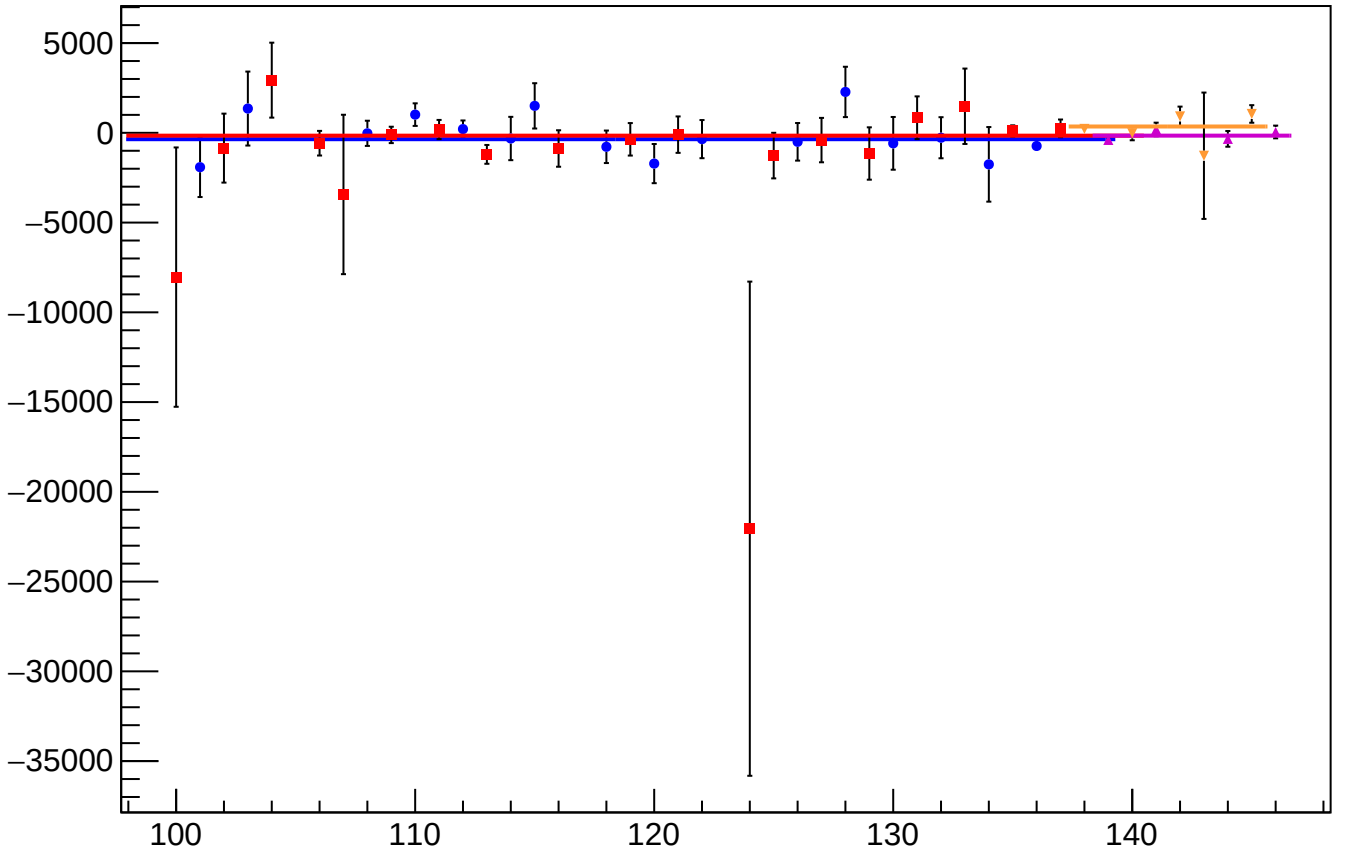
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

\+ sign 1264.402+/-0.275 χ^2/NDF: 644389.4/20

All: 1279.214+/-0.196 χ^2/NDF: 866344.6/43

\- sign 1294.651+/-0.280 χ^2/NDF: 216019.9/22



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 352.458+/-179.843 χ^2/NDF:4.5/4

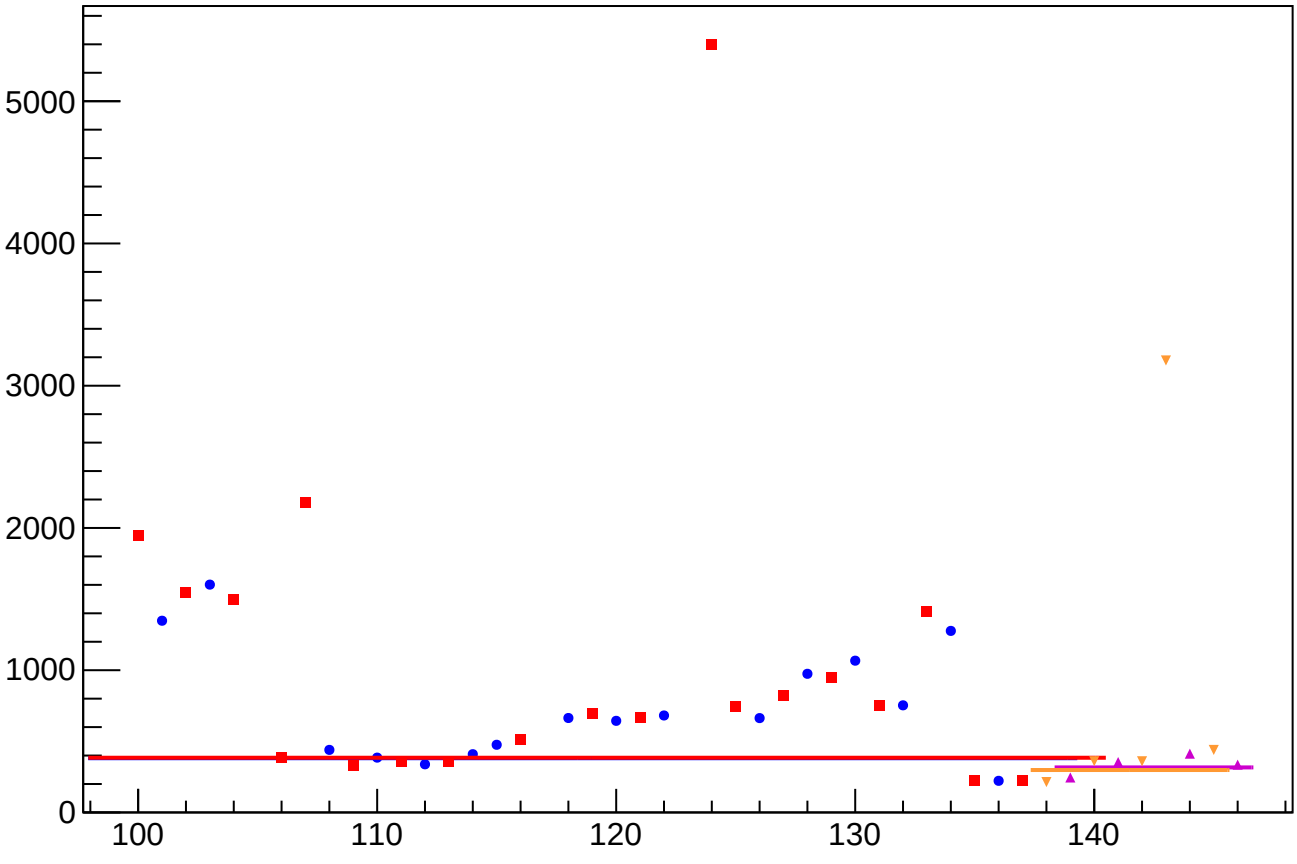
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -156.827+/-173.571 χ^2/NDF:2.1/3

+ sign -21.341+/-123.530 χ^2/NDF: 31.1/20

All: -90.587+/-86.560 χ^2/NDF: 49.7/43

- sign -157.388+/-121.328 χ^2/NDF: 17.9/22



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 298.312+/-0.127 χ^2/NDF:1821050.2/4

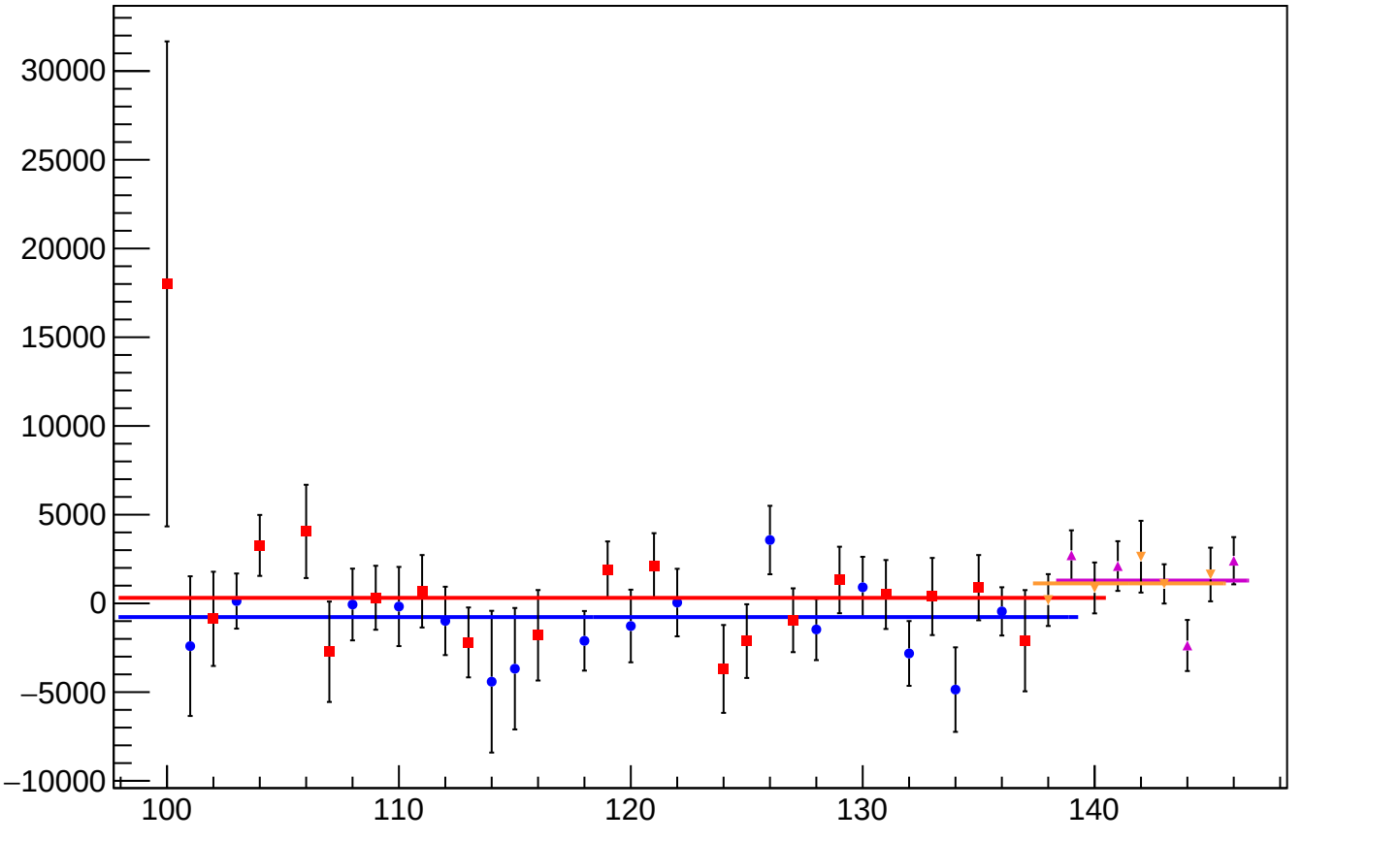
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 316.615+/-0.123 χ^2/NDF:253502.1/3

+ sign 342.172+/-0.087 χ^2/NDF: 6364182.6/20

All: 346.873+/-0.061 χ^2/NDF: 11340724.4/43

- sign 351.407+/-0.086 χ^2/NDF: 4970852.5/22



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1127.187+/-638.641 χ^2/NDF:1.1/4

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

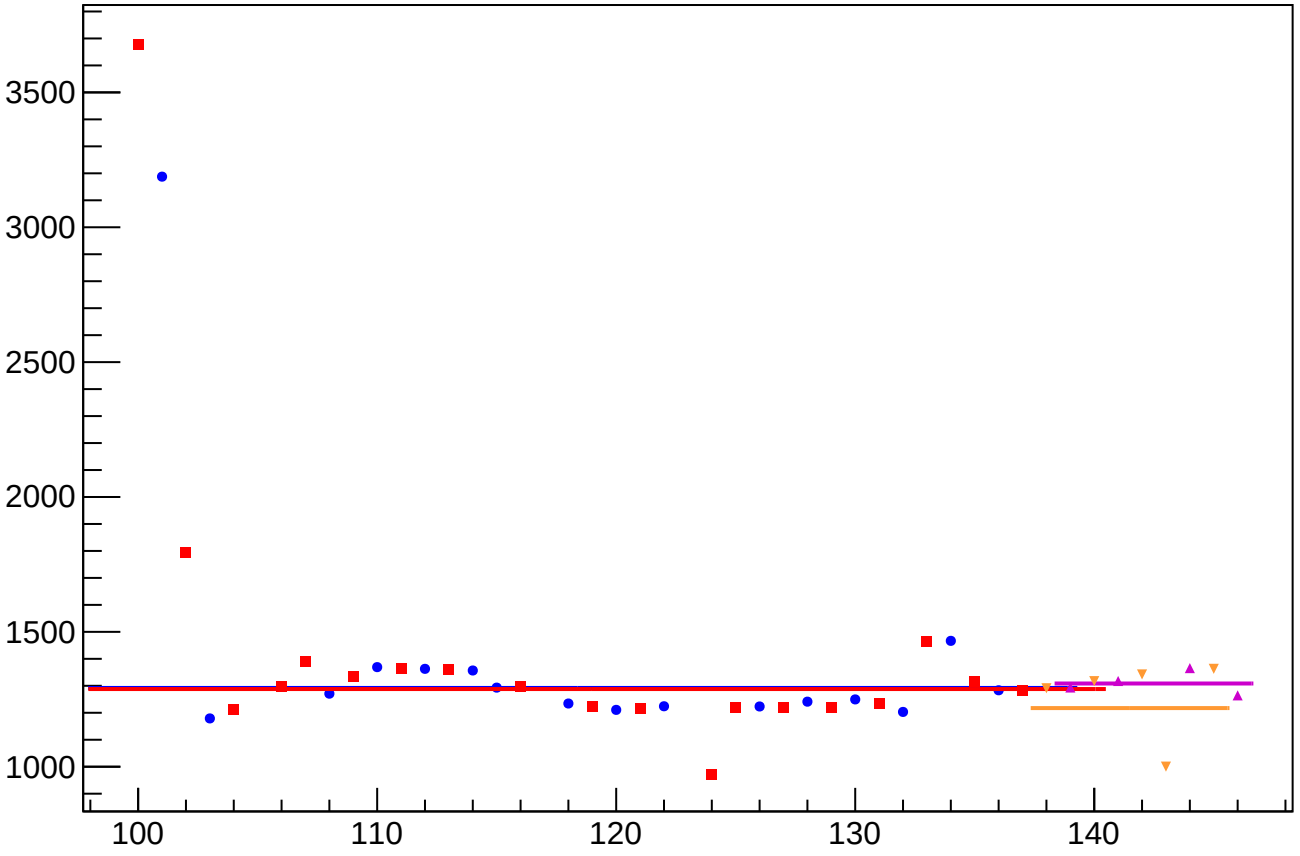
Left In: 1287.017+/-696.377 χ^2/NDF:8.5/3

+ sign -68.668+/-388.558 χ^2/NDF: 20.3/20

All: 272.453+/-277.580 χ^2/NDF: 49.6/43

- sign 627.987+/-396.682 χ^2/NDF: 27.8/22

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1217.380+/-0.452 χ^2/NDF:117767.9/4

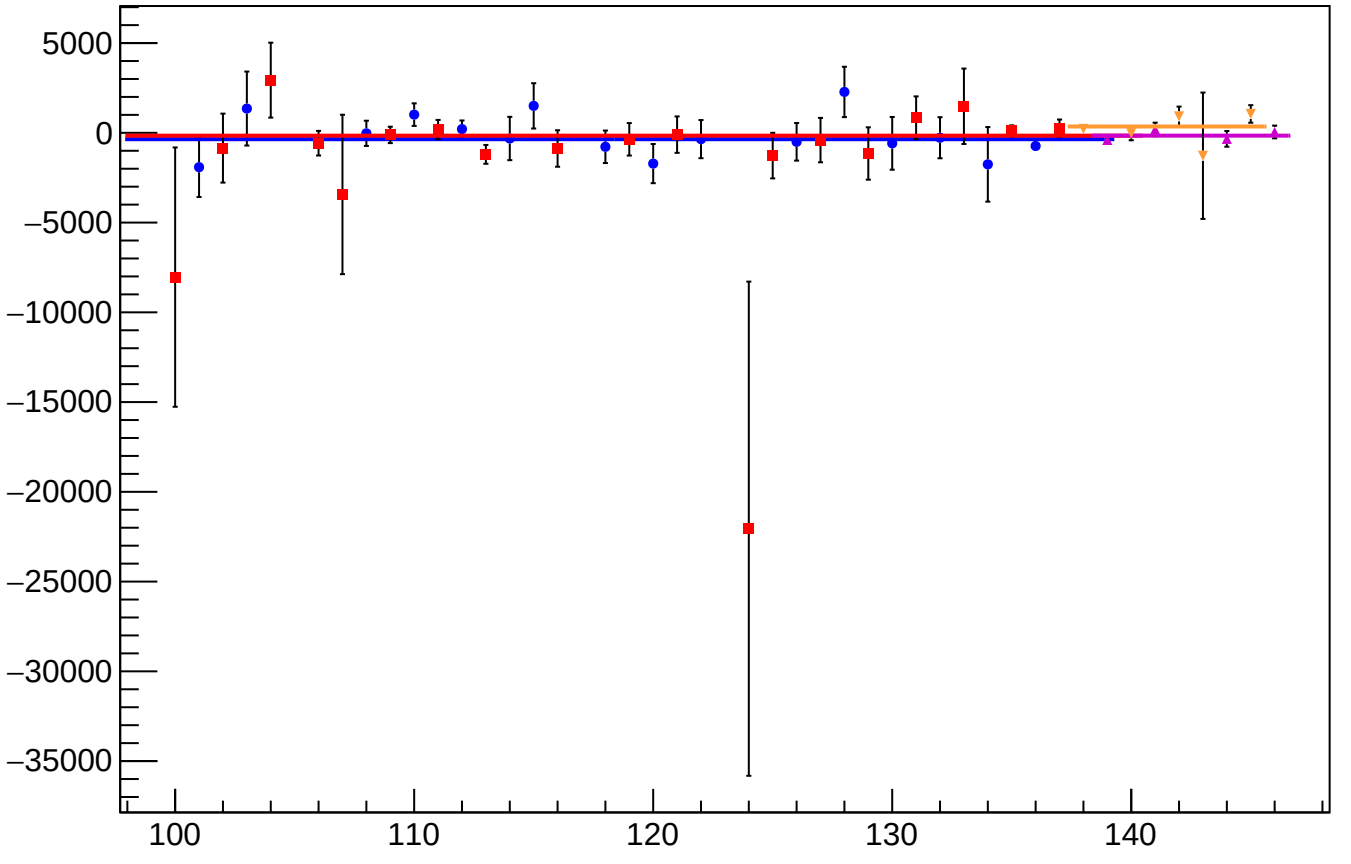
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

+ sign 1264.402+/-0.275 χ^2/NDF: 644388.5/20

All: 1279.214+/-0.196 χ^2/NDF: 866343.9/43

- sign 1294.651+/-0.280 χ^2/NDF: 216020.2/22



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 352.476+/-179.850 χ^2/NDF:4.5/4

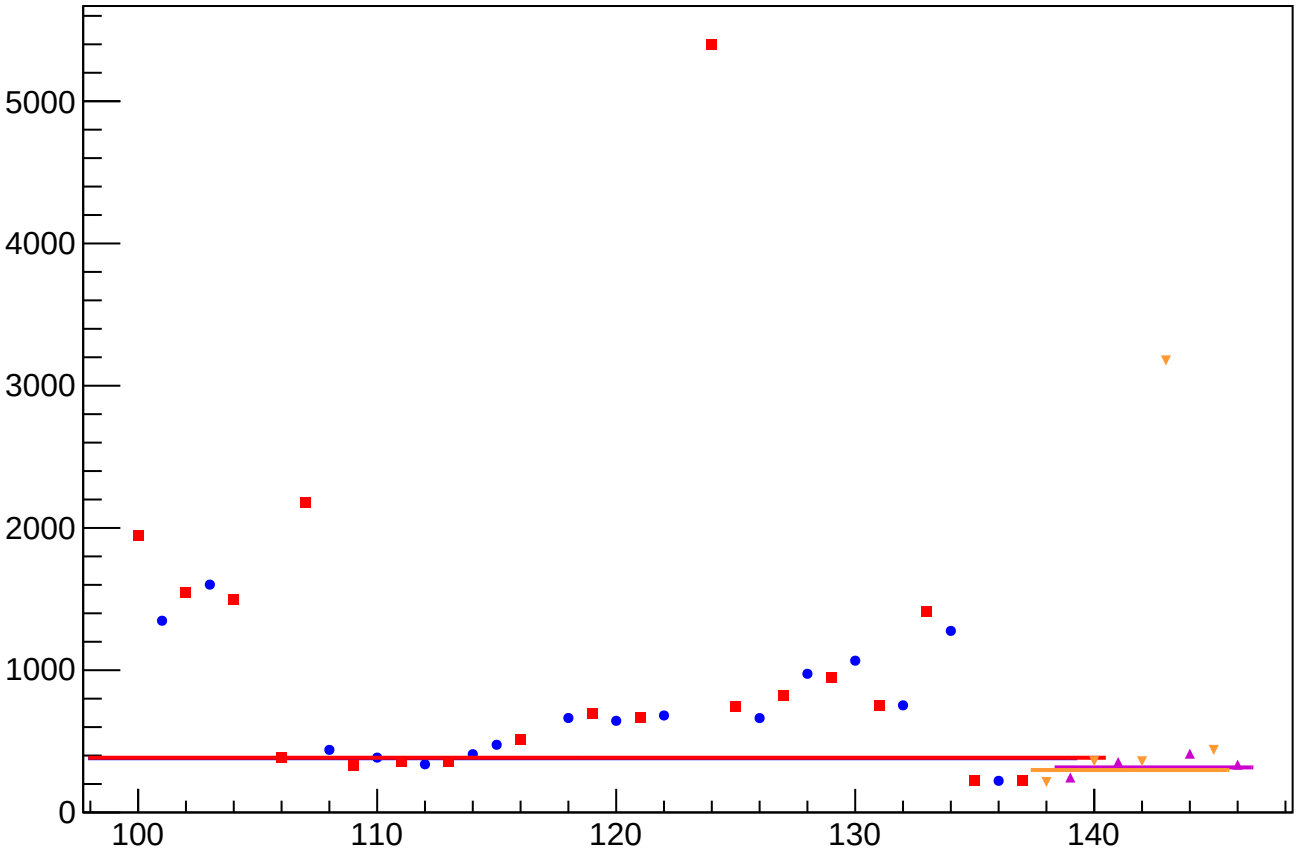
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -156.827+/-173.575 χ^2/NDF:2.1/3

+ sign -21.340+/-123.533 χ^2/NDF: 31.1/20

All: -90.589+/-86.562 χ^2/NDF: 49.7/43

- sign -157.390+/-121.331 χ^2/NDF: 17.9/22



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 298.325+/-0.127 χ^2/NDF:1820952.9/4

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

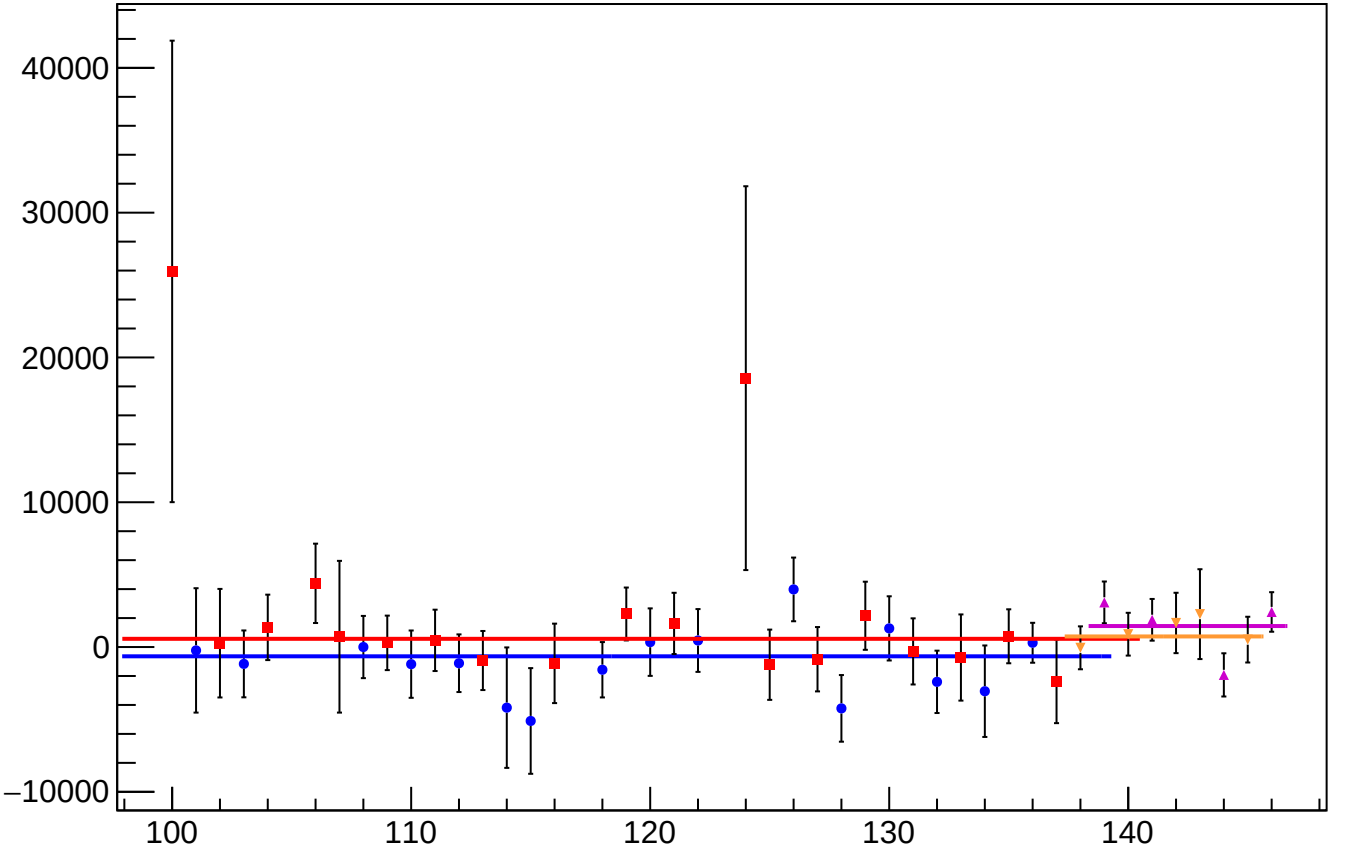
Left In: 316.624+/-0.123 χ^2/NDF:253434.2/3

+ sign 342.185+/-0.087 χ^2/NDF: 6363867.4/20

All: 346.883+/-0.061 χ^2/NDF: 11340183.9/43

- sign 351.416+/-0.086 χ^2/NDF: 4970632.0/22

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 731.111+/-778.962 χ^2/NDF:0.8/4

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

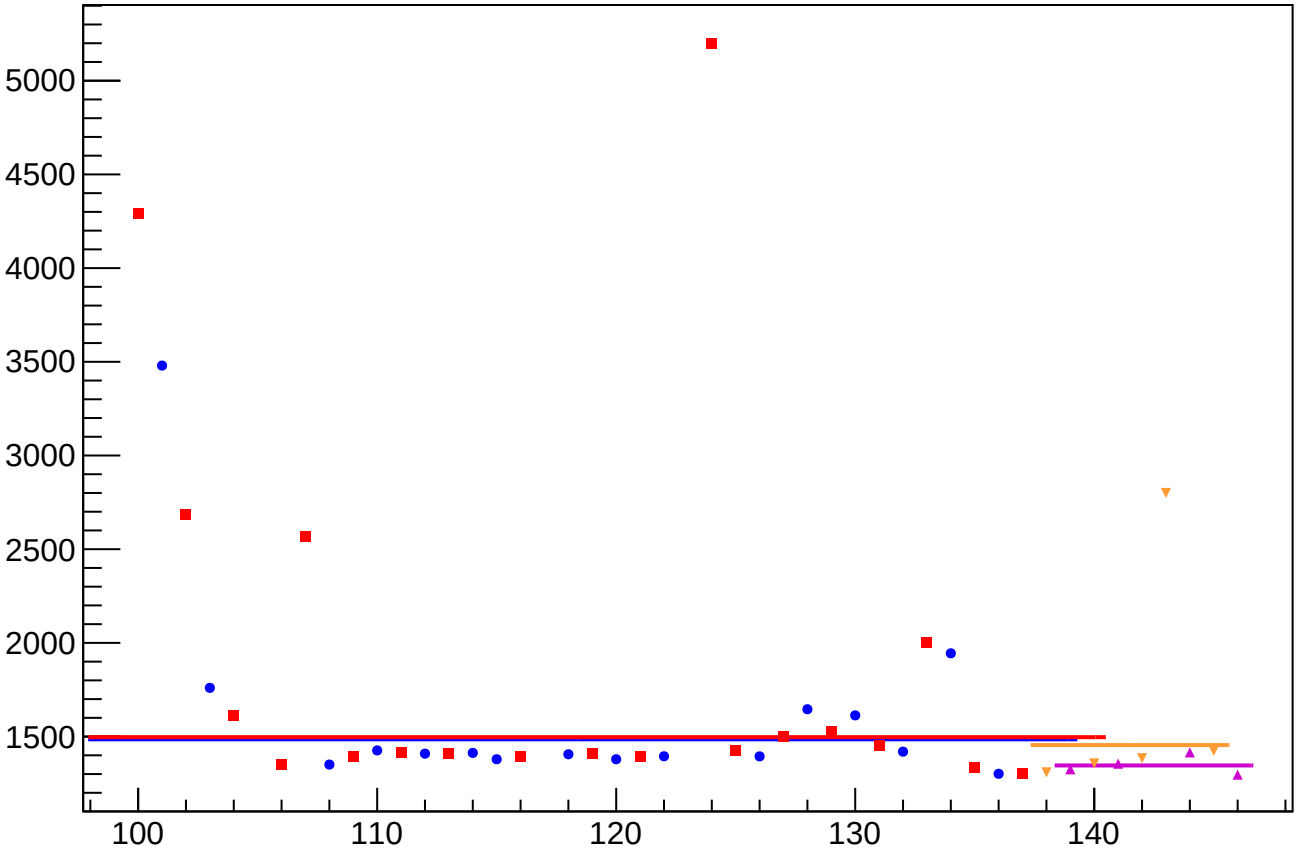
Left In: 1450.037+/-716.396 χ^2/NDF:7.0/3

+ sign -168.568+/-457.023 χ^2/NDF: 15.3/20

All: 384.213+/-318.640 χ^2/NDF: 37.4/43

- sign 907.091+/-444.489 χ^2/NDF: 19.3/22

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1454.719+/-0.551 χ^2/NDF:407025.6/4

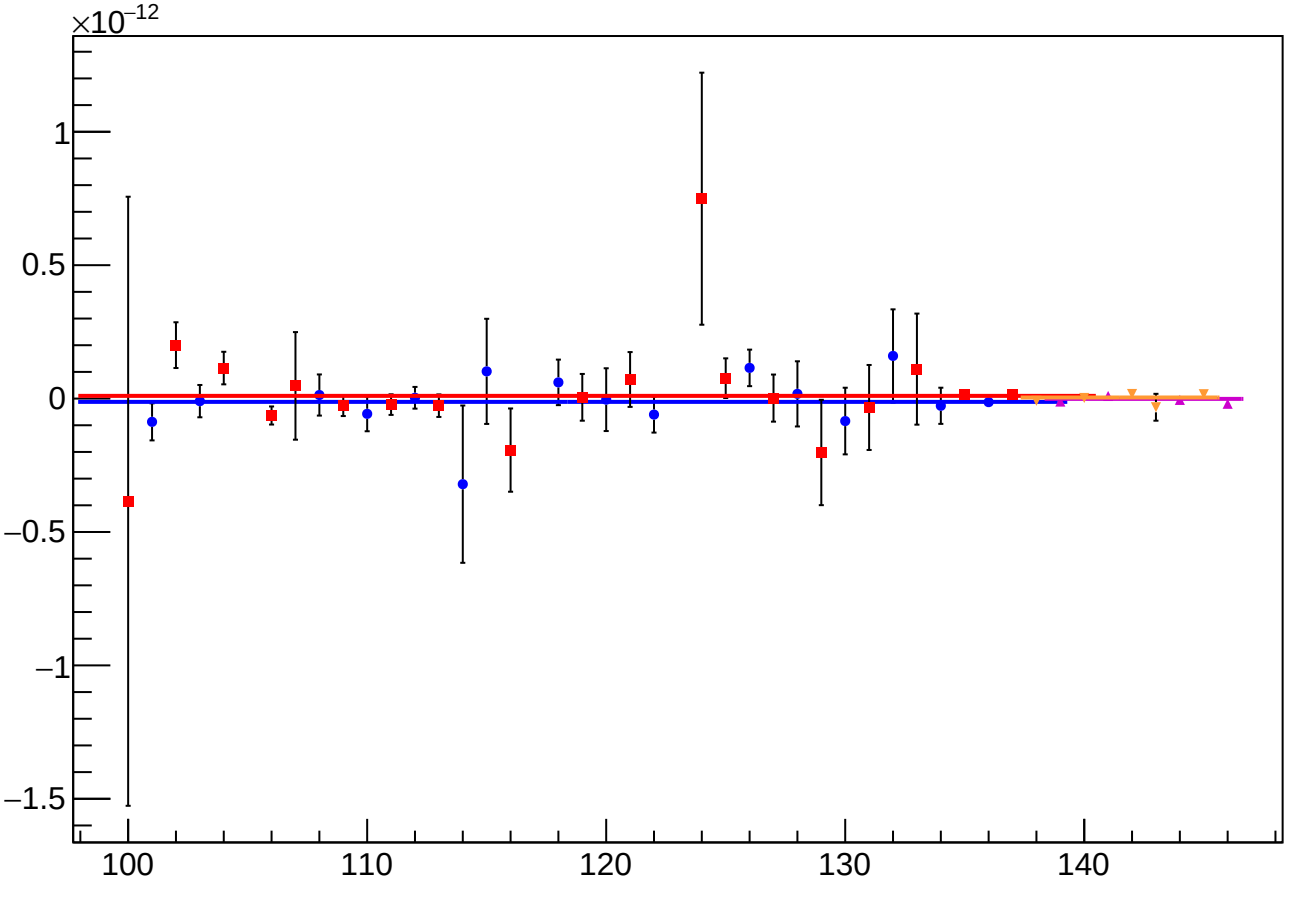
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1345.885+/-0.507 χ^2/NDF:7419.8/3

+ sign 1474.819+/-0.323 χ^2/NDF: 993526.5/20

All: 1456.280+/-0.225 χ^2/NDF: 1685277.8/43

- sign 1438.744+/-0.314 χ^2/NDF: 685347.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/4

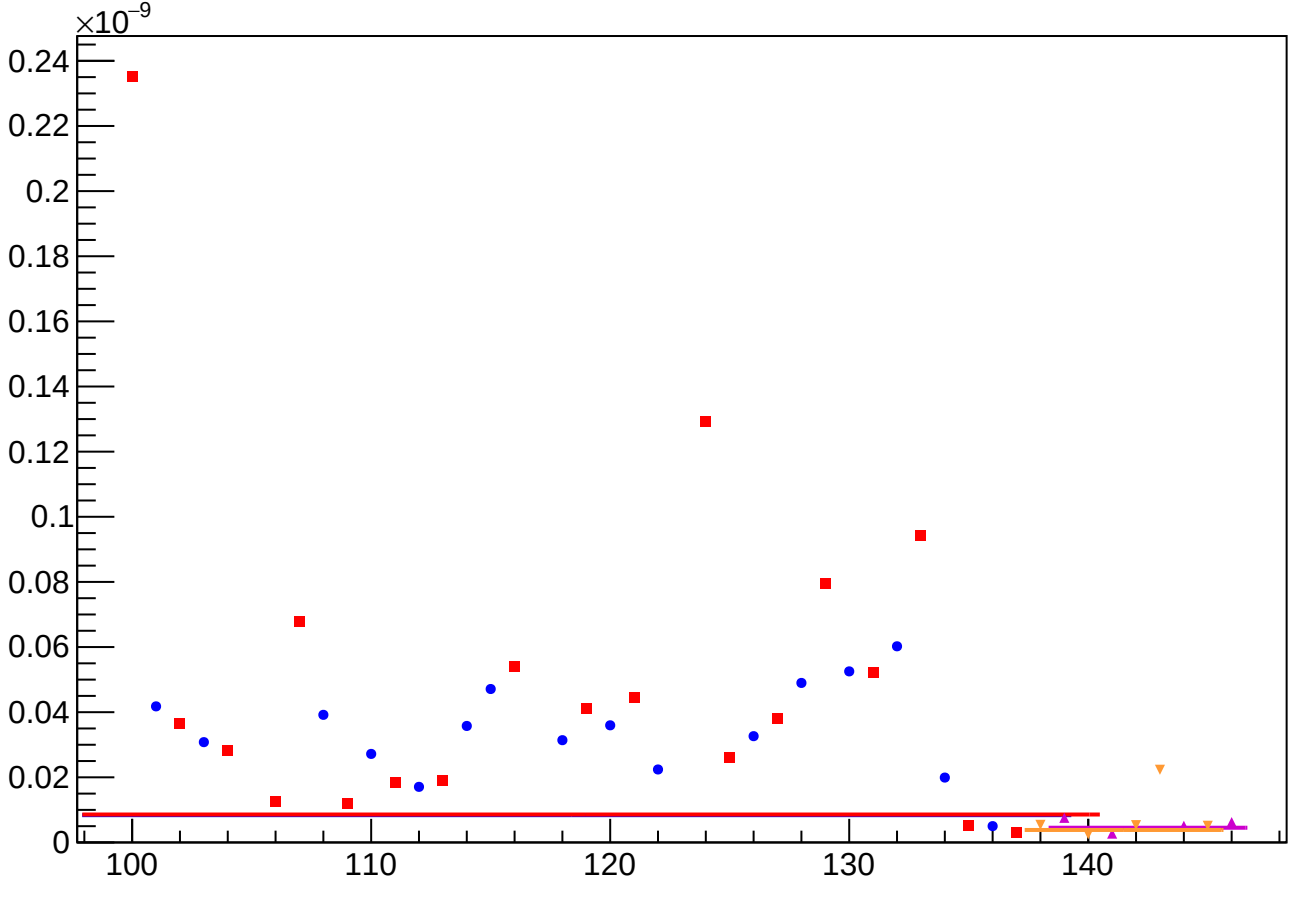
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 19.4/20

All: 0.000+/-0.000 χ^2/NDF: 51.1/43

- sign 0.000+/-0.000 χ^2/NDF: 31.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:562090.0/4

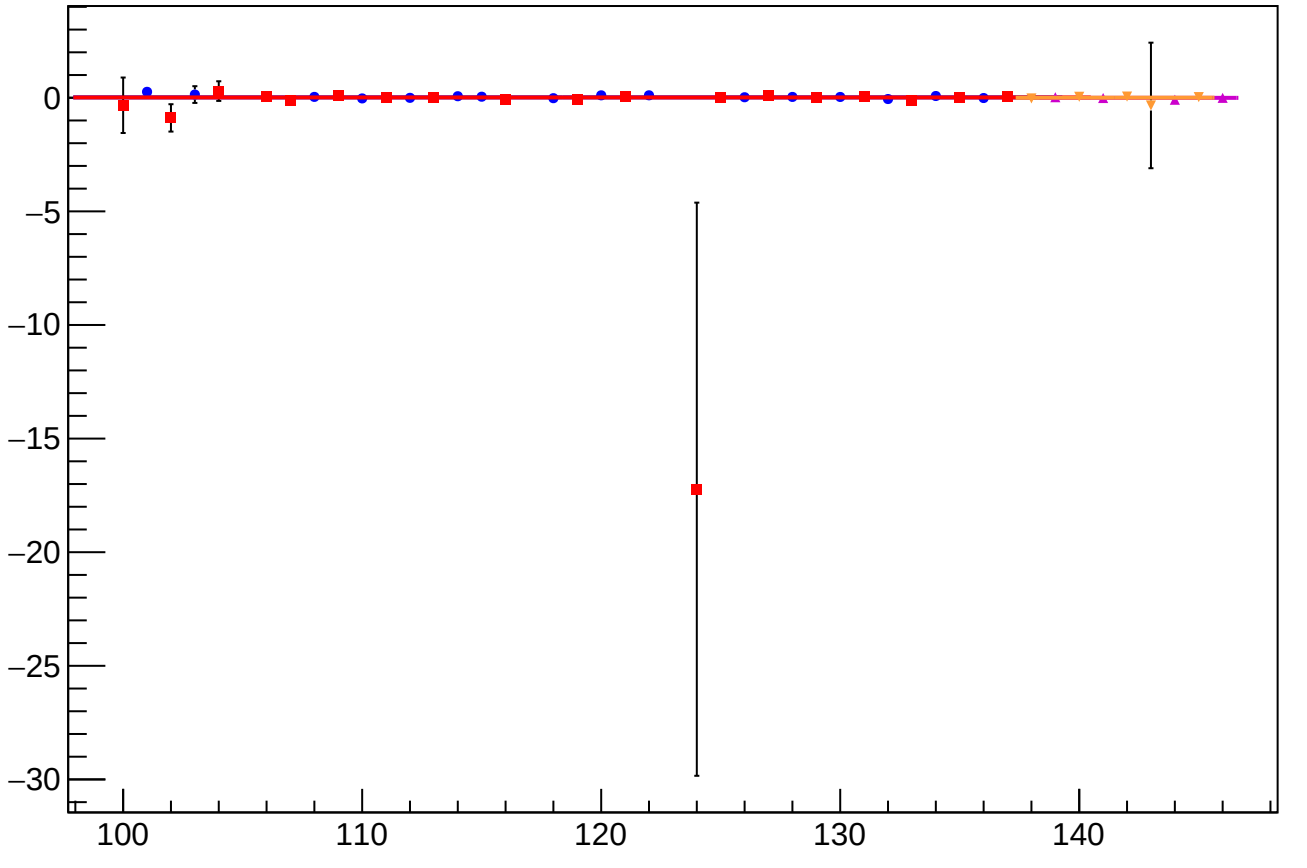
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:420445.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4227096.5/20

All: 0.000+/-0.000 χ^2/NDF: 8440293.0/43

- sign 0.000+/-0.000 χ^2/NDF: 4180614.2/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

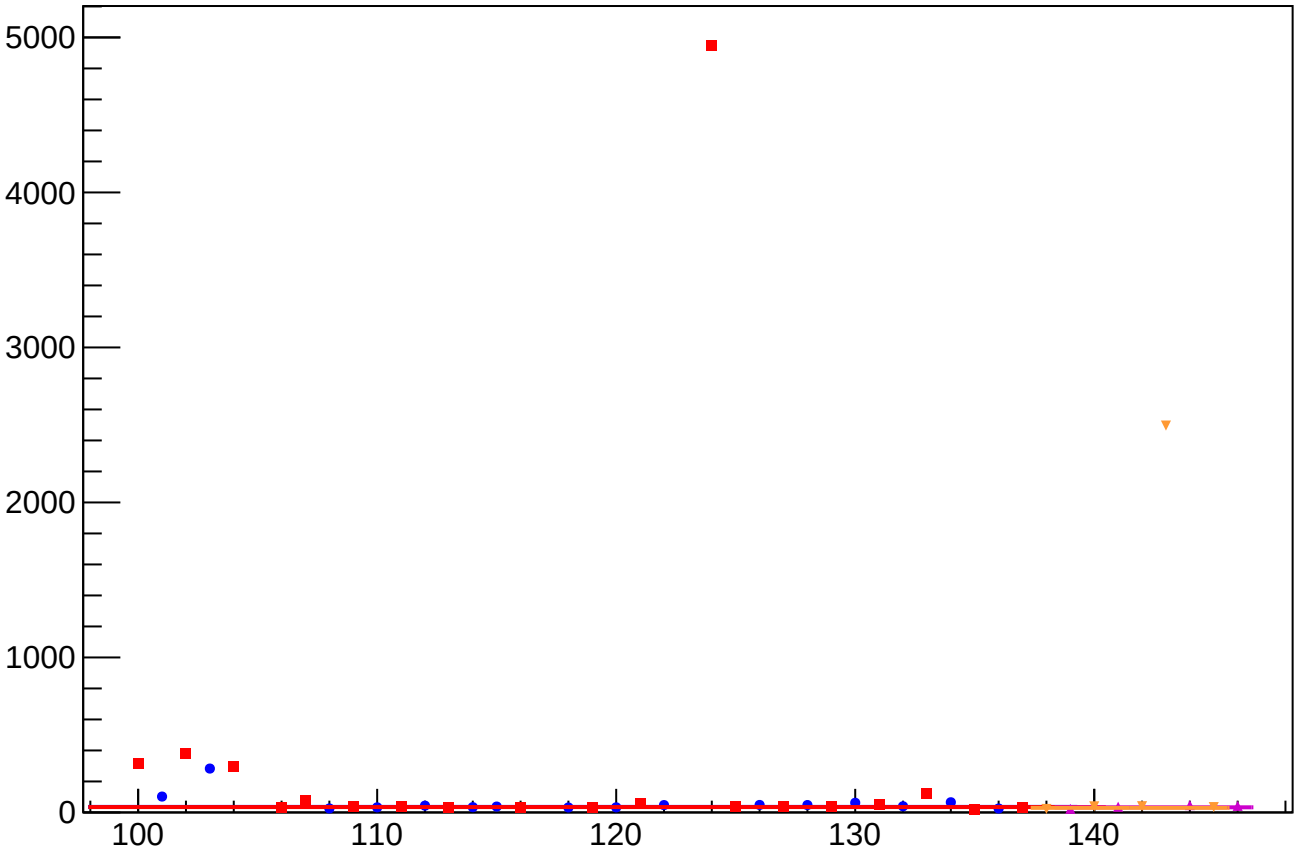
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.009+/-0.009 χ^2/NDF: 34.9/43

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 29.891+/-0.014 χ^2/NDF:1894945.5/4

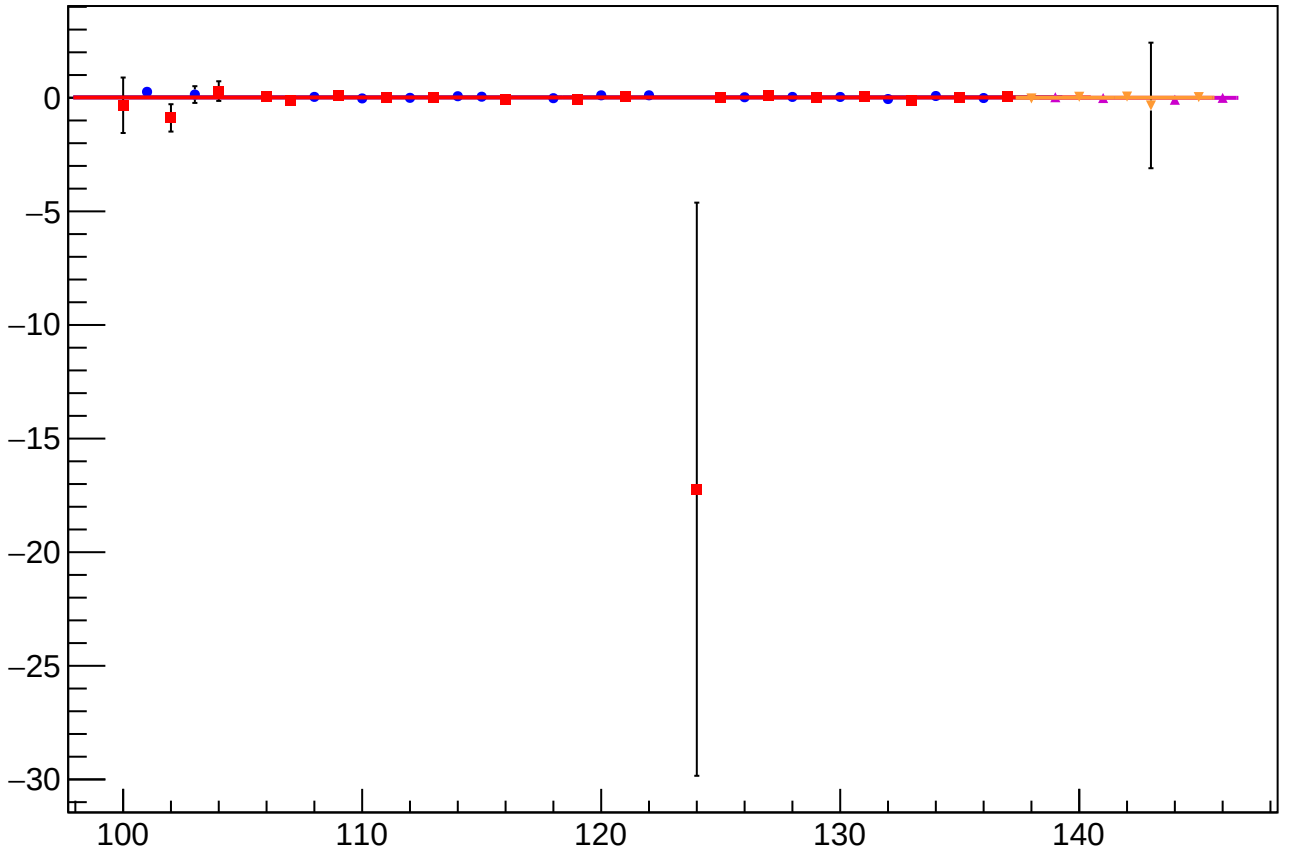
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

+ sign 33.530+/-0.009 χ^2/NDF: 4268185.8/20

All: 33.851+/-0.006 χ^2/NDF: 7649912.6/43

- sign 34.178+/-0.009 χ^2/NDF: 3378932.3/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

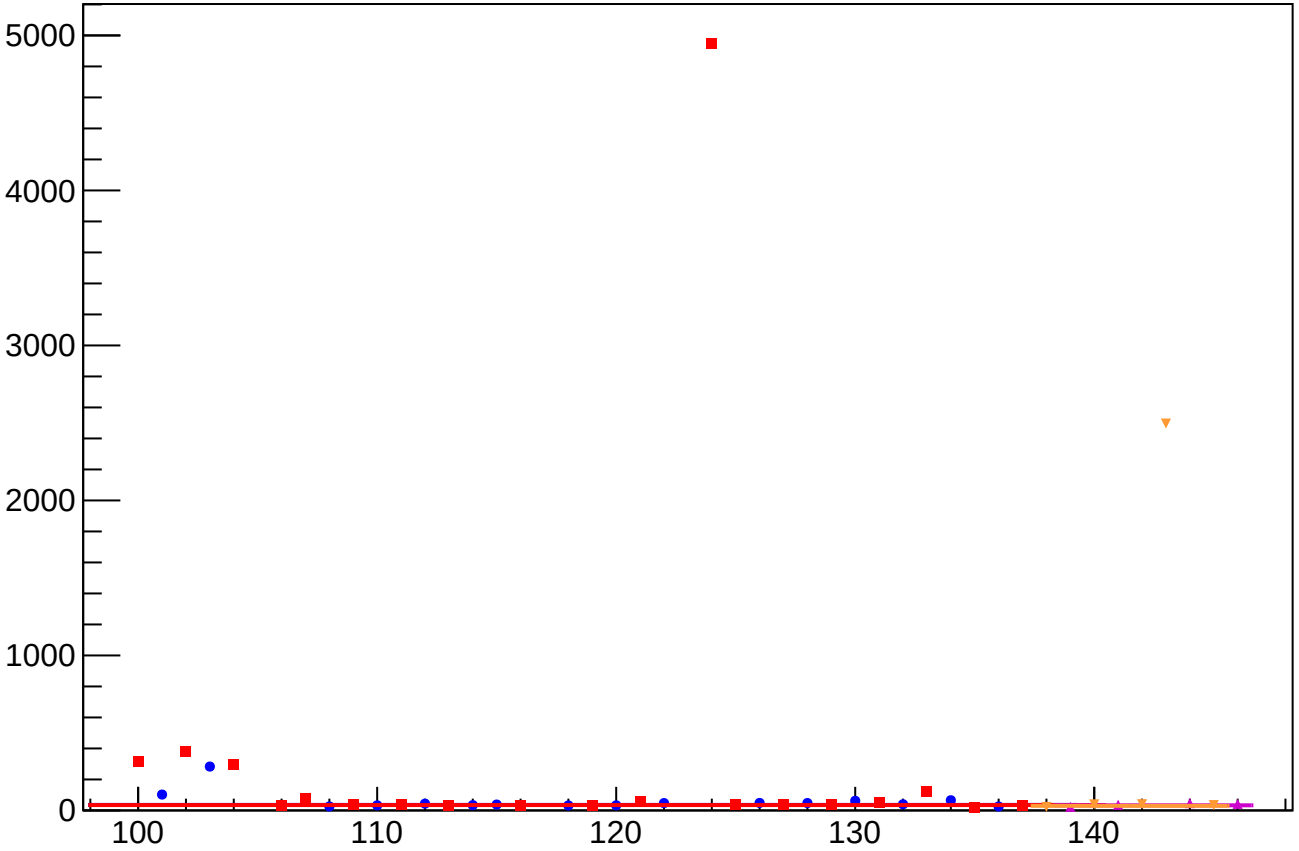
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.009+/-0.009 χ^2/NDF: 34.9/43

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 29.891+/-0.014 χ^2/NDF:1894945.5/4

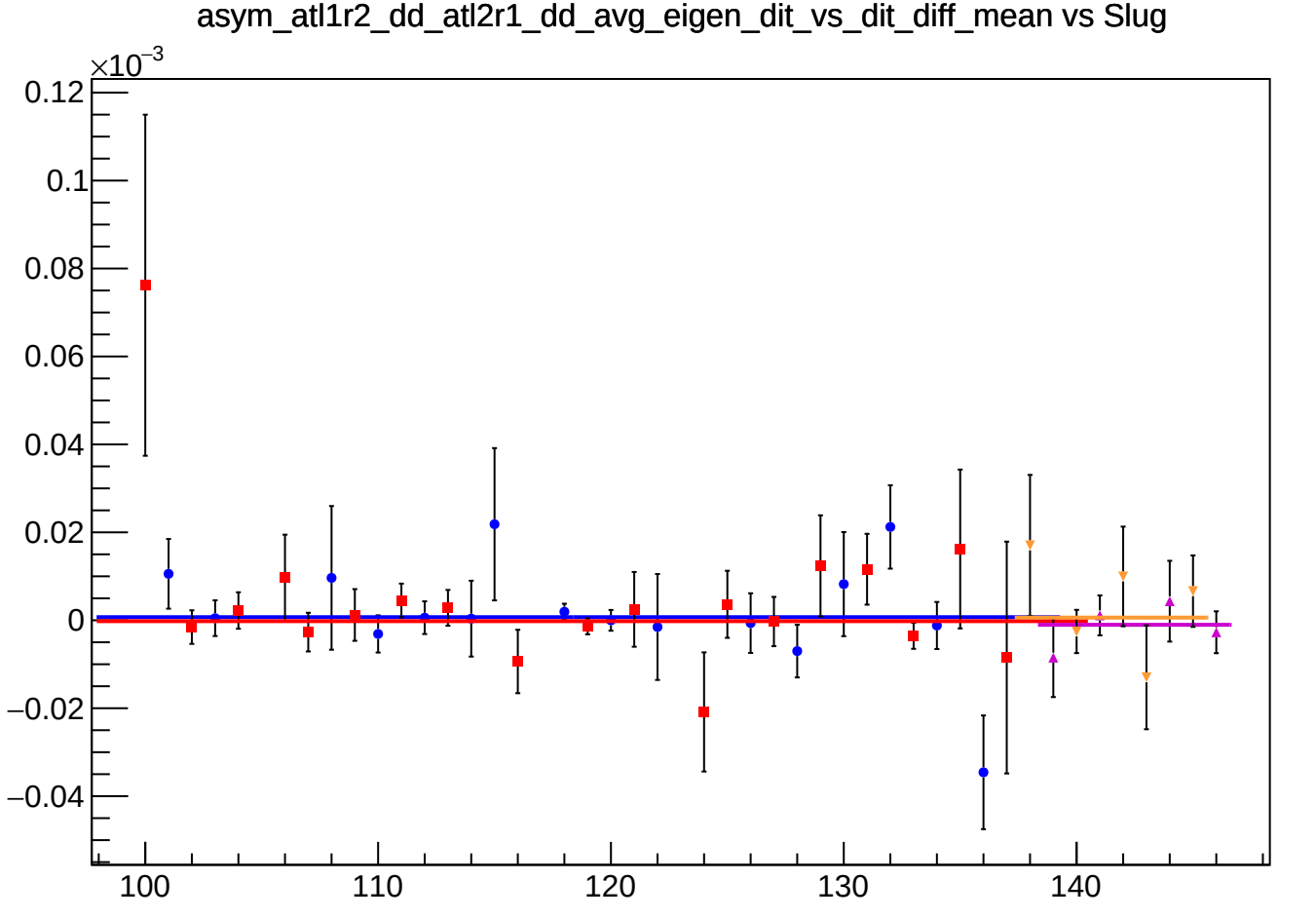
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

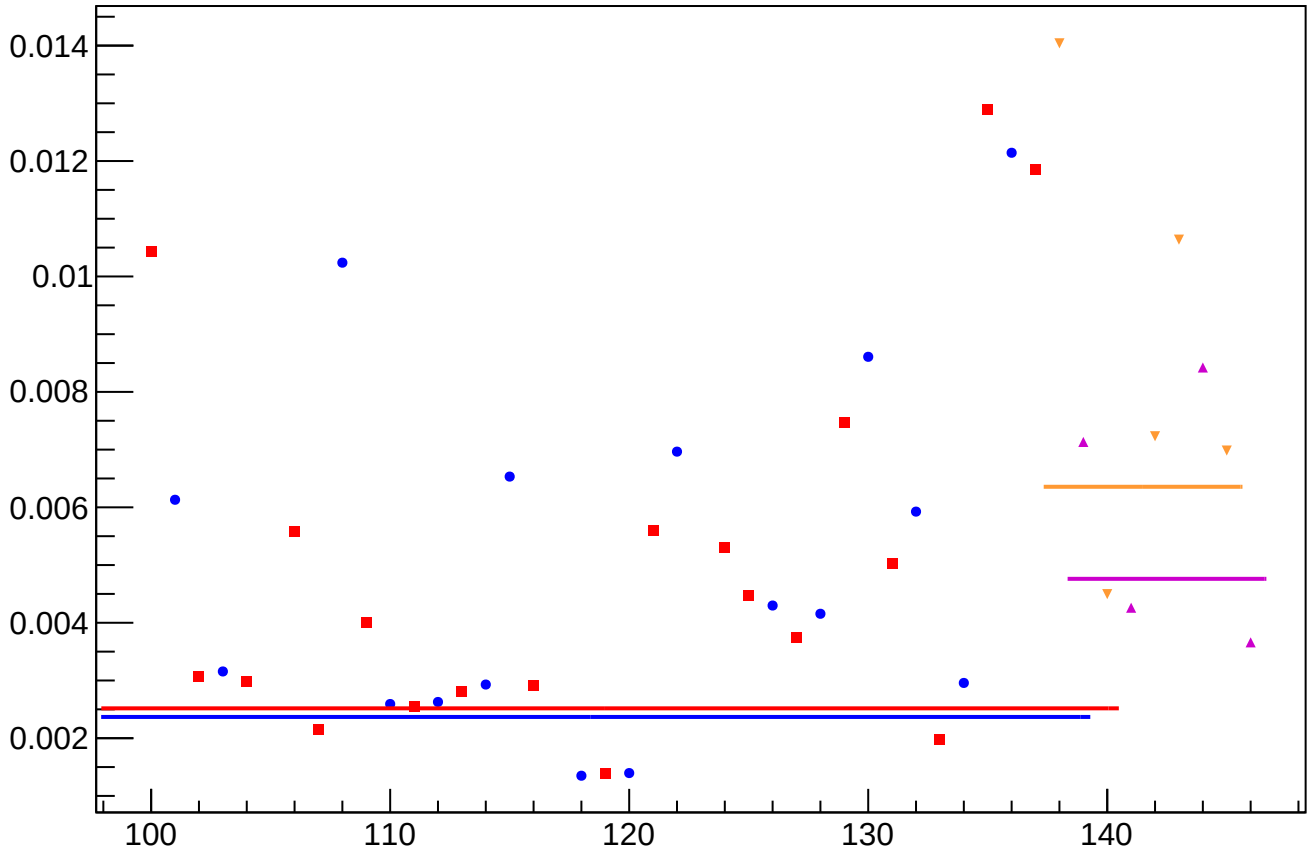
Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

+ sign 33.530+/-0.009 χ^2/NDF: 4268185.8/20

All: 33.851+/-0.006 χ^2/NDF: 7649912.6/43

- sign 34.178+/-0.009 χ^2/NDF: 3378932.3/22


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4.0/4
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:1.4/3
+ sign 0.000+/-0.000 χ²/NDF: 23.1/20
All: 0.000+/-0.000 χ²/NDF: 43.1/43
- sign -0.000+/-0.000 χ²/NDF: 19.5/22



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1032290.1/4

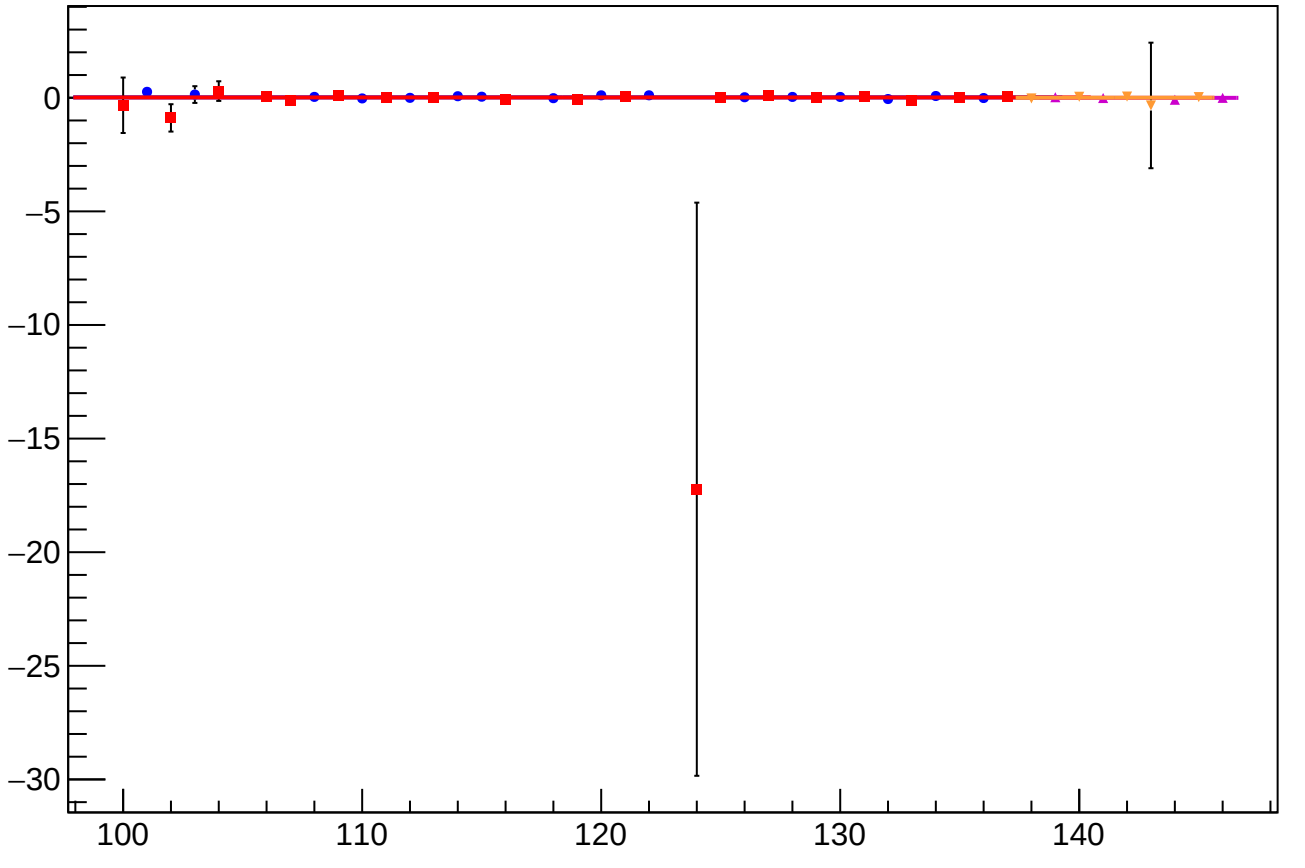
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:588503.3/3

+ sign 0.003+/-0.000 χ^2/NDF: 7948235.7/20

All: 0.003+/-0.000 χ^2/NDF: 12978650.0/43

- sign 0.003+/-0.000 χ^2/NDF: 5025152.1/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

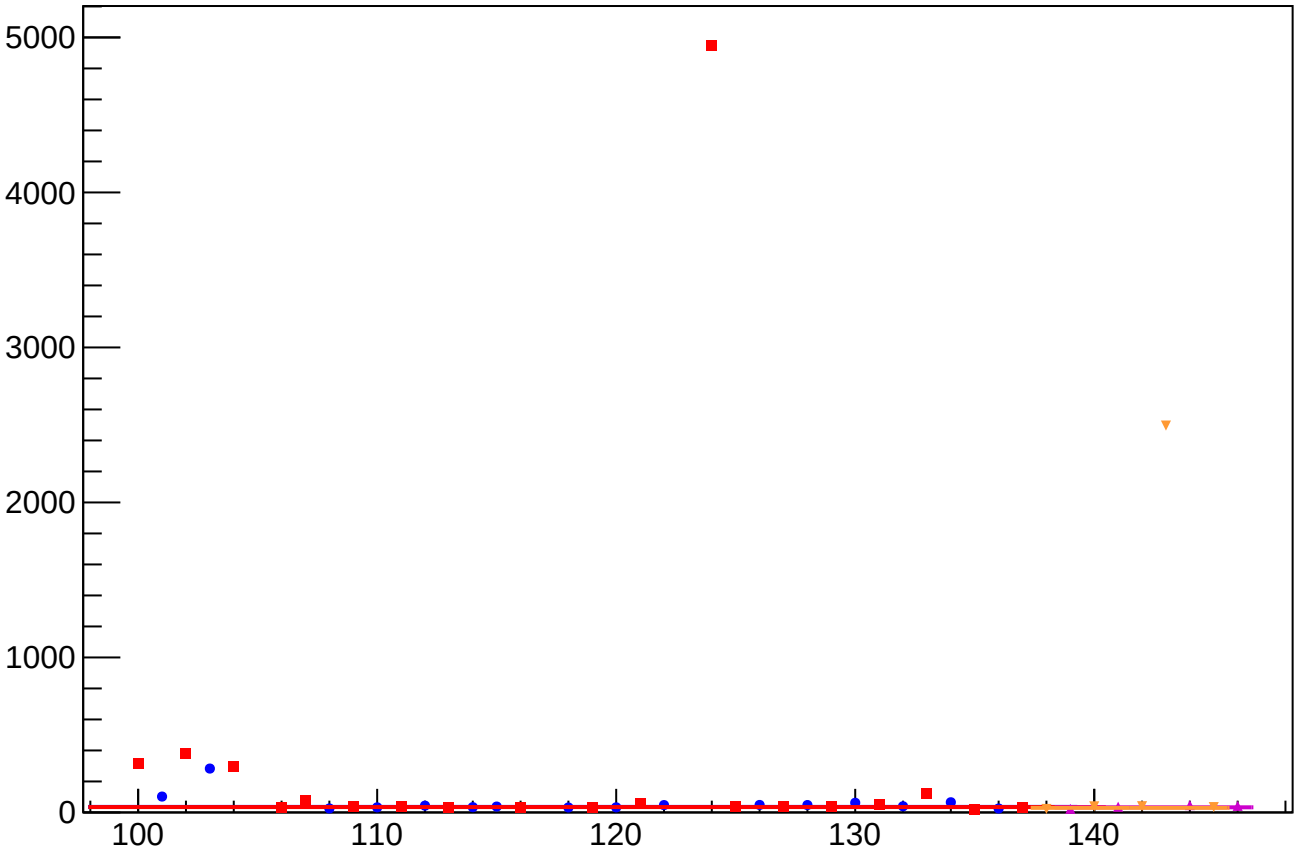
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.009+/-0.009 χ^2/NDF: 34.9/43

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 29.892+/-0.014 χ^2/NDF:1895152.8/4

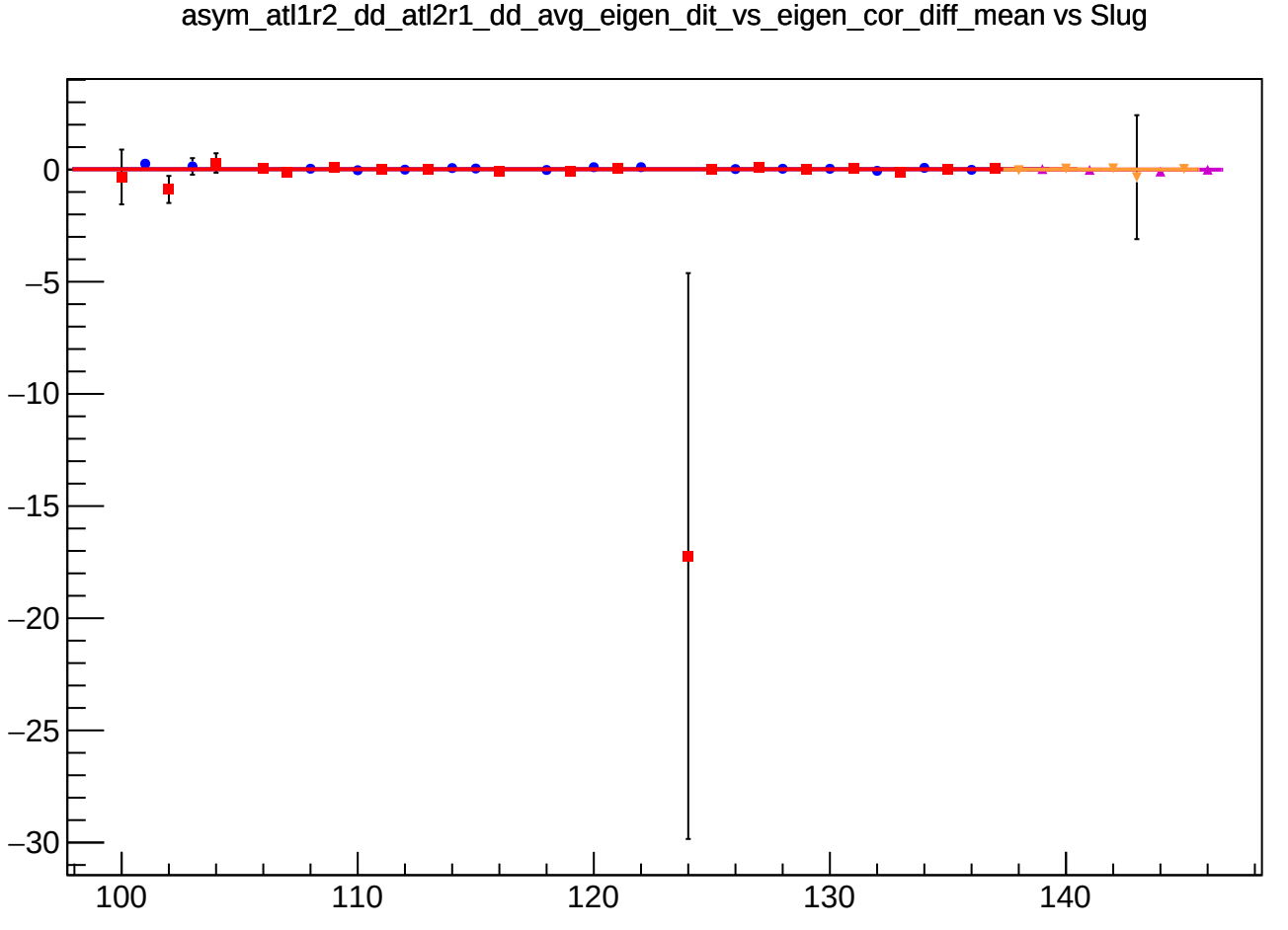
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

+ sign 33.532+/-0.009 χ^2/NDF: 4268145.6/20

All: 33.851+/-0.006 χ^2/NDF: 7650063.2/43

- sign 34.177+/-0.009 χ^2/NDF: 3379141.2/22



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

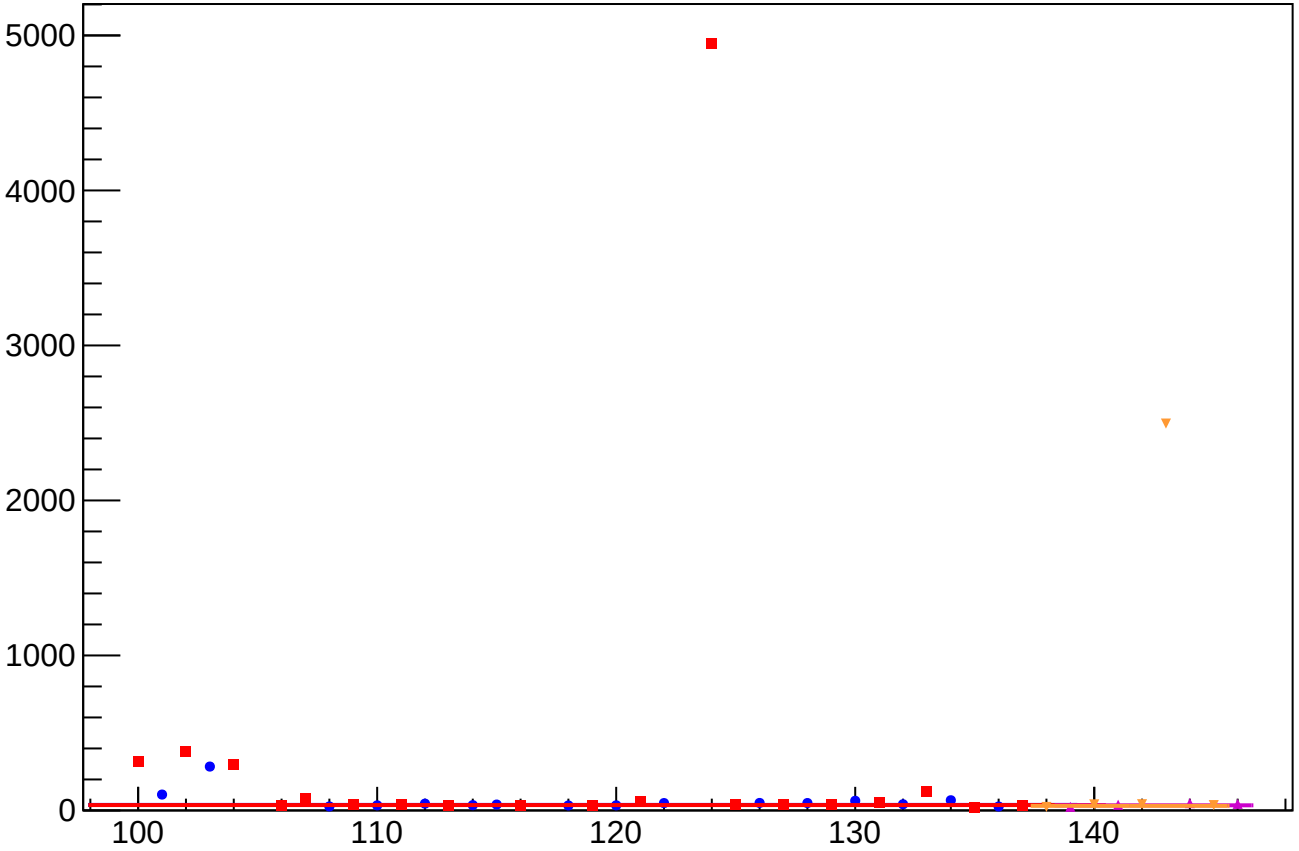
Left In: -0.004+/-0.020 χ^2/NDF:3.4/3

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.009+/-0.009 χ^2/NDF: 34.9/43

- sign 0.007+/-0.012 χ^2/NDF: 20.0/22

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: 29.892+/-0.014 χ^2/NDF:1895152.8/4

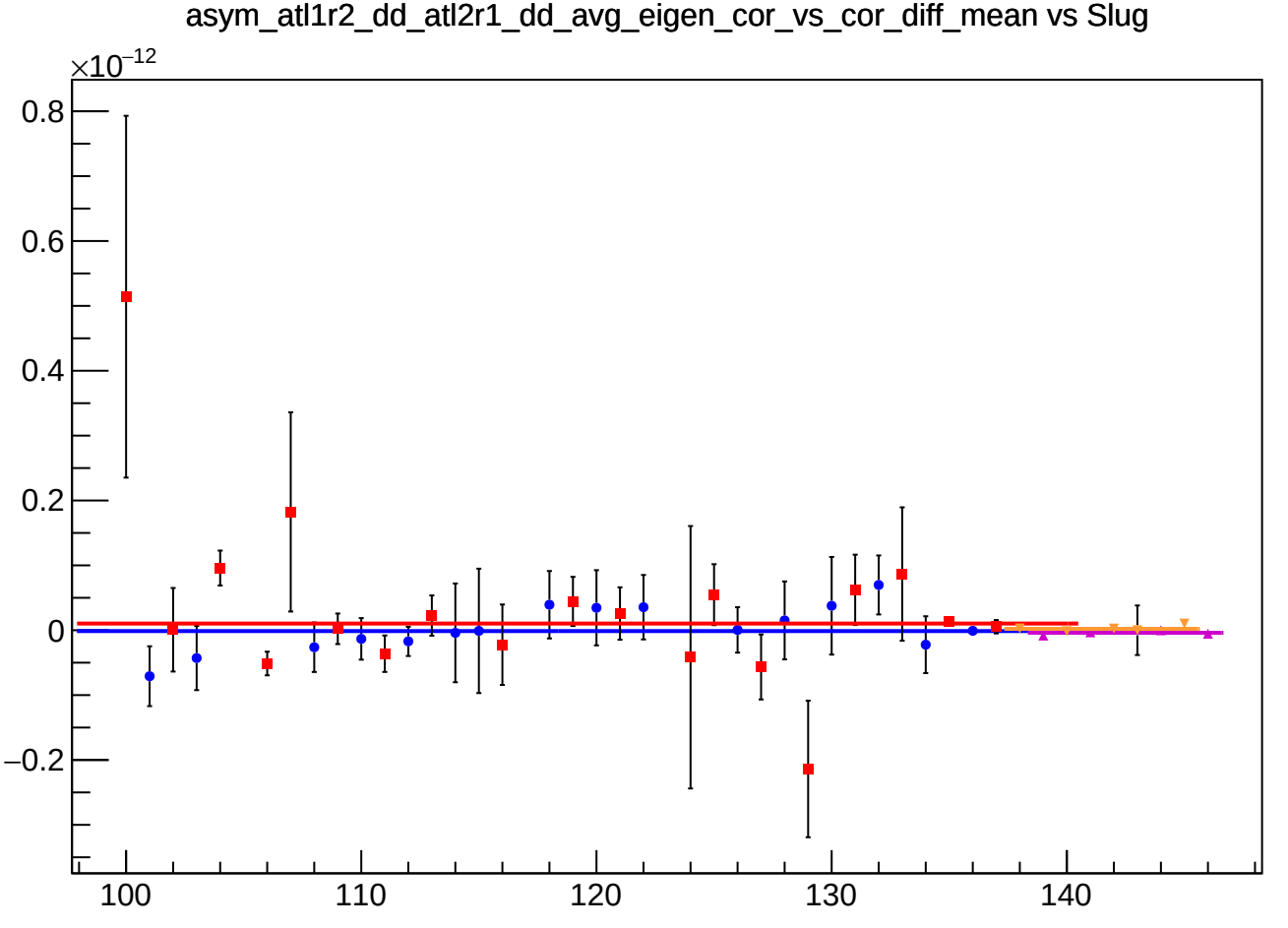
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

+ sign 33.532+/-0.009 χ^2/NDF: 4268145.6/20

All: 33.851+/-0.006 χ^2/NDF: 7650063.2/43

- sign 34.177+/-0.009 χ^2/NDF: 3379141.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

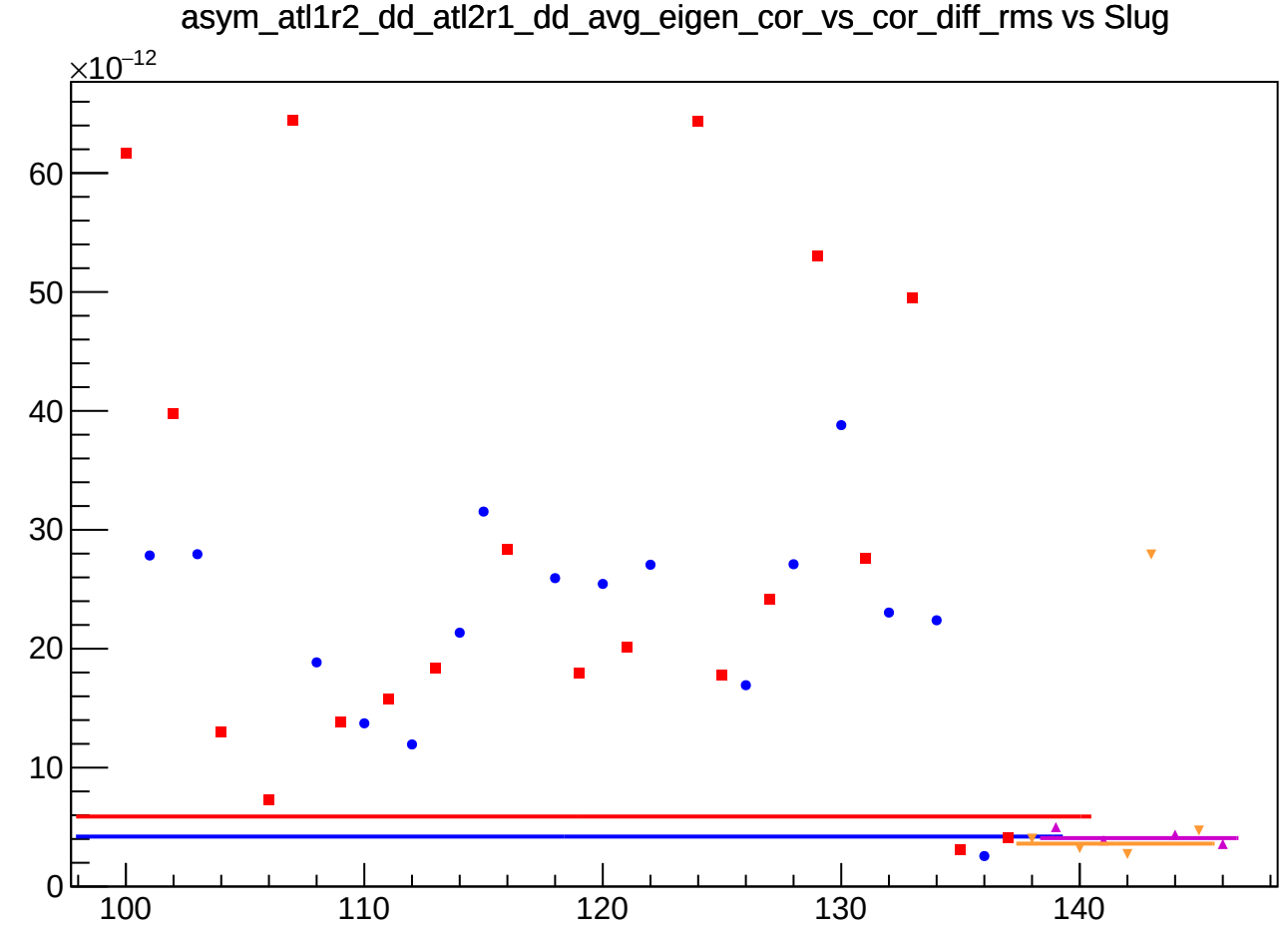
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 11.7/20

All: 0.000+/-0.000 χ^2/NDF: 60.9/43

- sign 0.000+/-0.000 χ^2/NDF: 49.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:958016.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

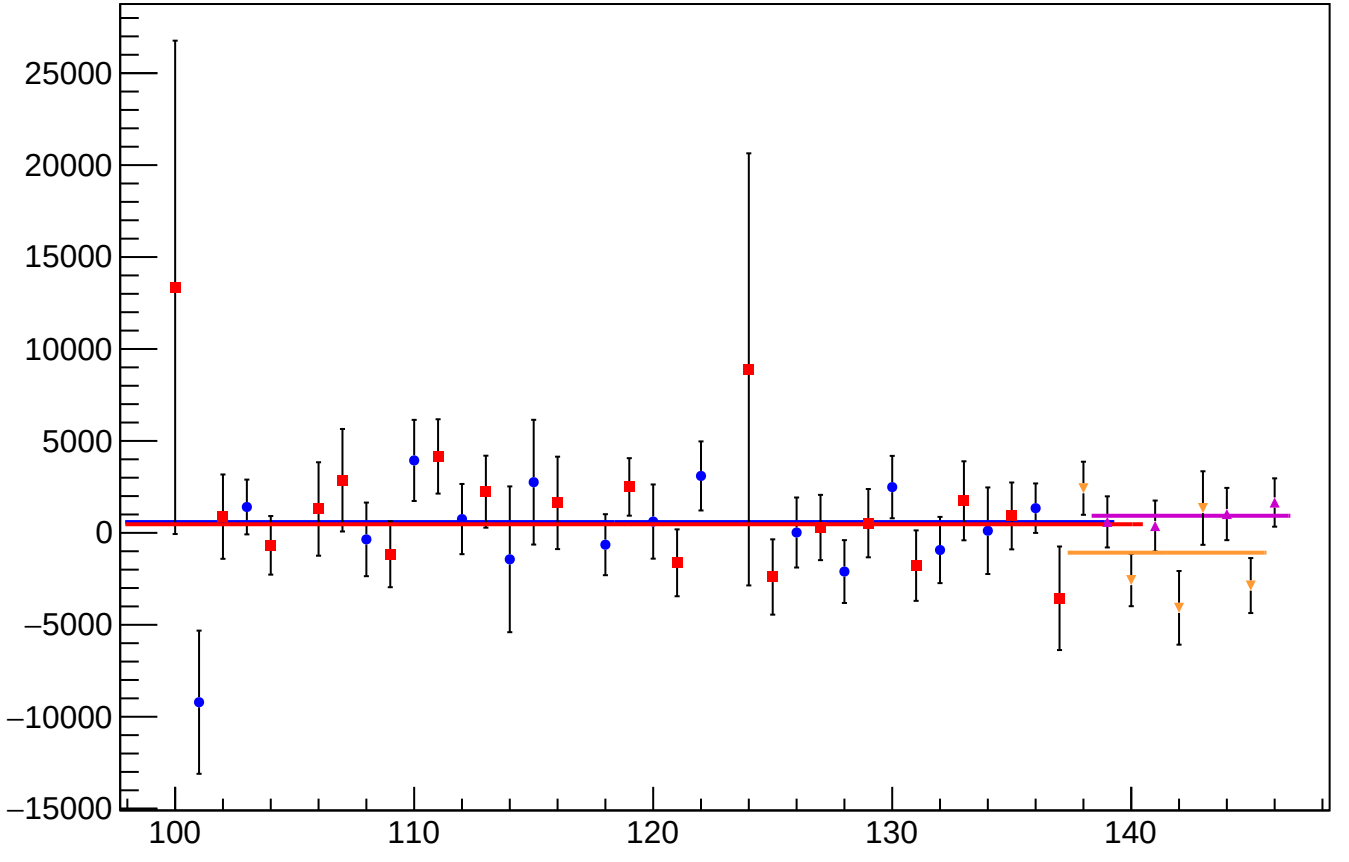
Left In: 0.000+/-0.000 χ^2/NDF:68650.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 6077156.7/20

All: 0.000+/-0.000 χ^2/NDF: 11407794.4/43

- sign 0.000+/-0.000 χ^2/NDF: 5198653.6/22

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.472+/-721.142 χ^2/NDF:12.1/4

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

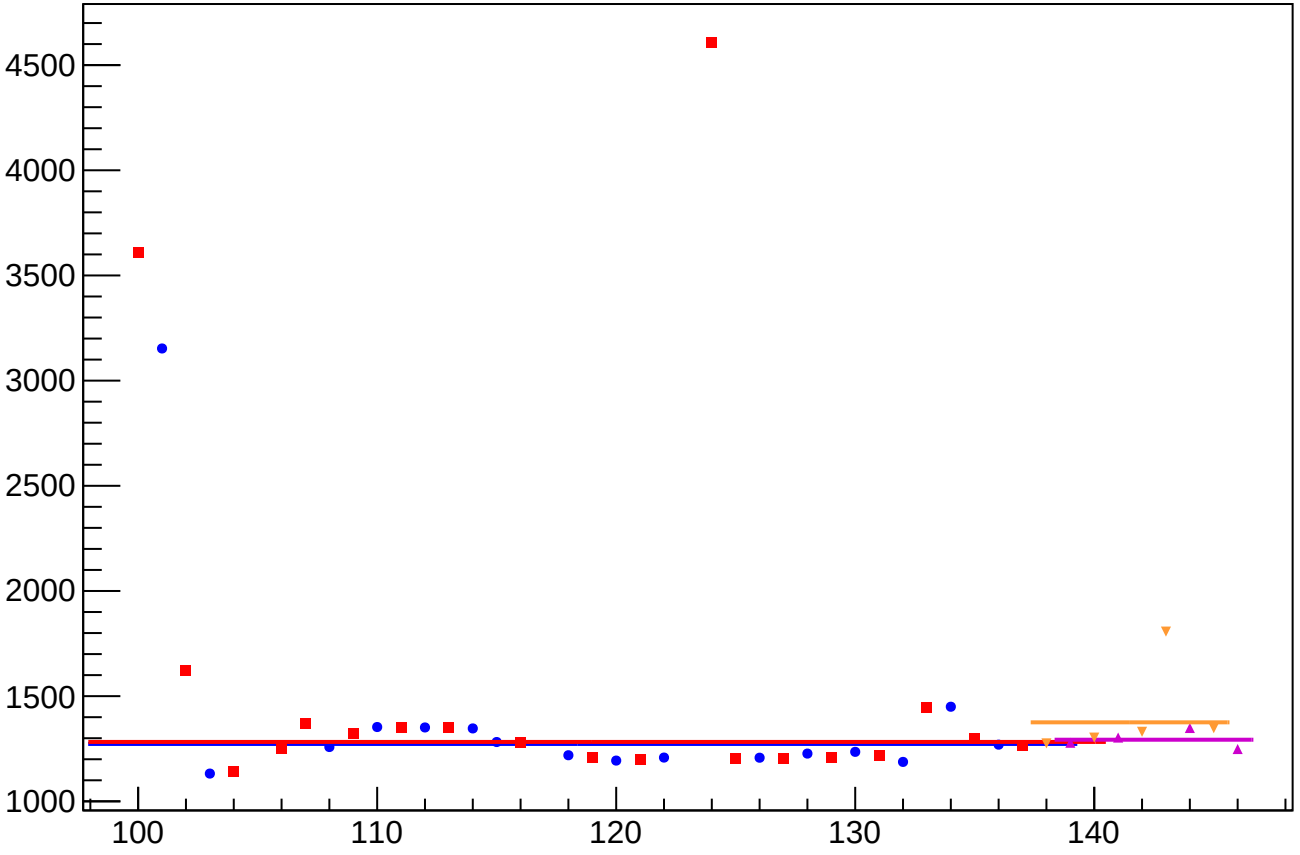
Left In: 930.335+/-688.021 χ^2/NDF:0.5/3

+ sign 72.344+/-400.979 χ^2/NDF: 32.9/20

All: 351.146+/-281.017 χ^2/NDF: 51.5/43

- sign 620.258+/-393.949 χ^2/NDF: 17.7/22

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

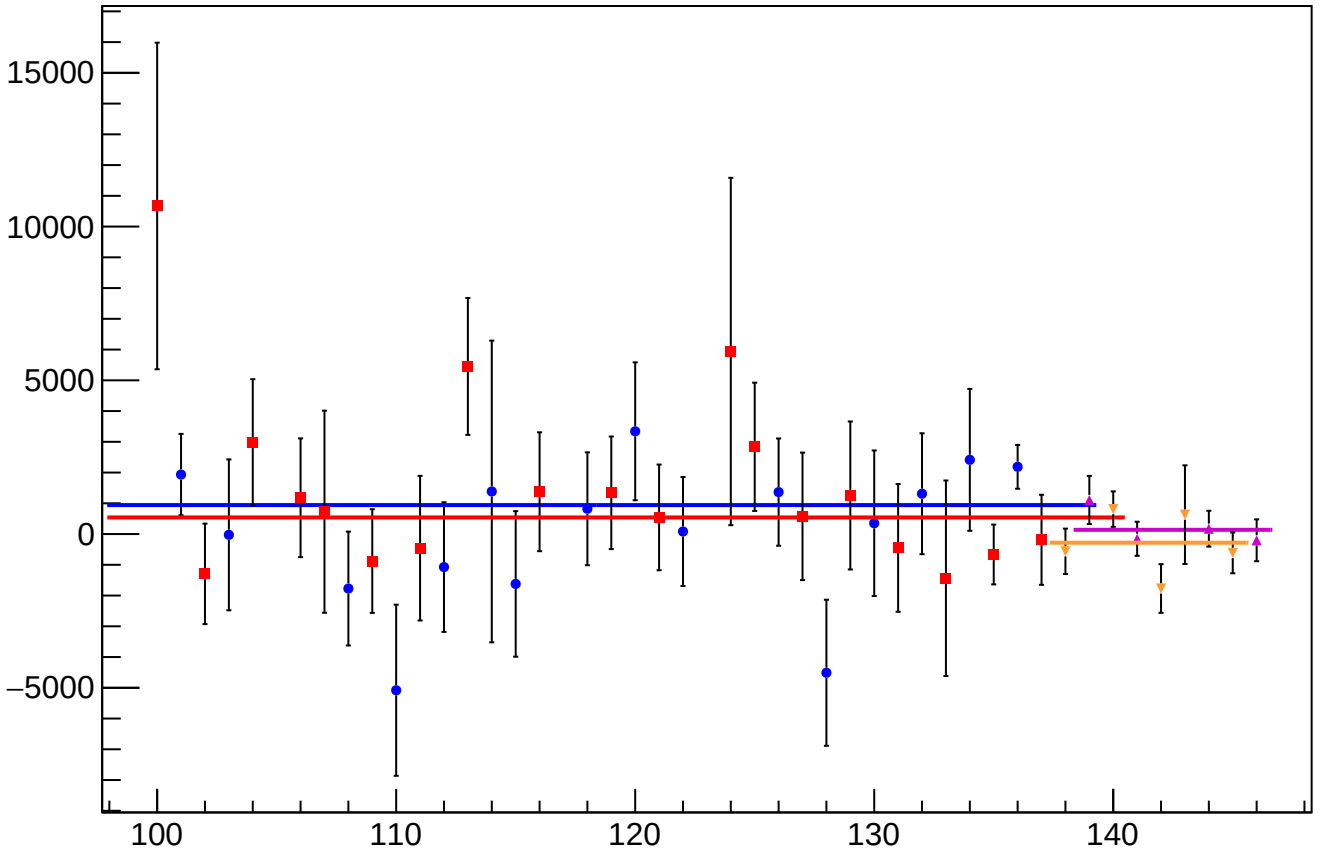
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1304.557+/-0.284 χ^2/NDF: 656902.2/20

All: 1295.019+/-0.199 χ^2/NDF: 987189.8/43

- sign 1285.812+/-0.279 χ^2/NDF: 328063.5/22



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -281.339+/-331.499 χ^2/NDF:7.8/4

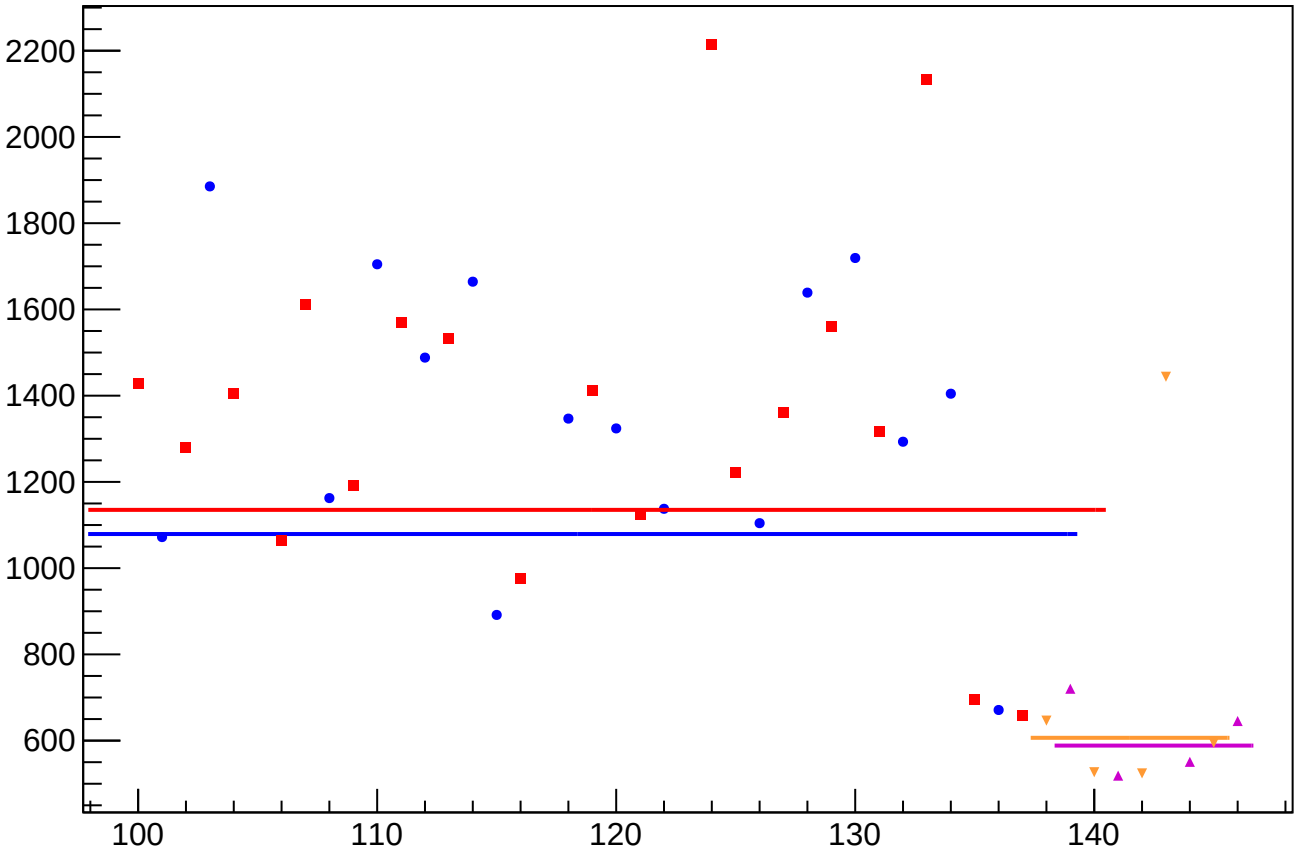
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 138.037+/-316.509 χ^2/NDF:2.1/3

+ sign 180.182+/-261.582 χ^2/NDF: 32.9/20

All: 228.626+/-183.296 χ^2/NDF: 52.7/43

- sign 275.357+/-256.919 χ^2/NDF: 19.8/22



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 606.541+/-0.234 χ^2/NDF:611893.3/4

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

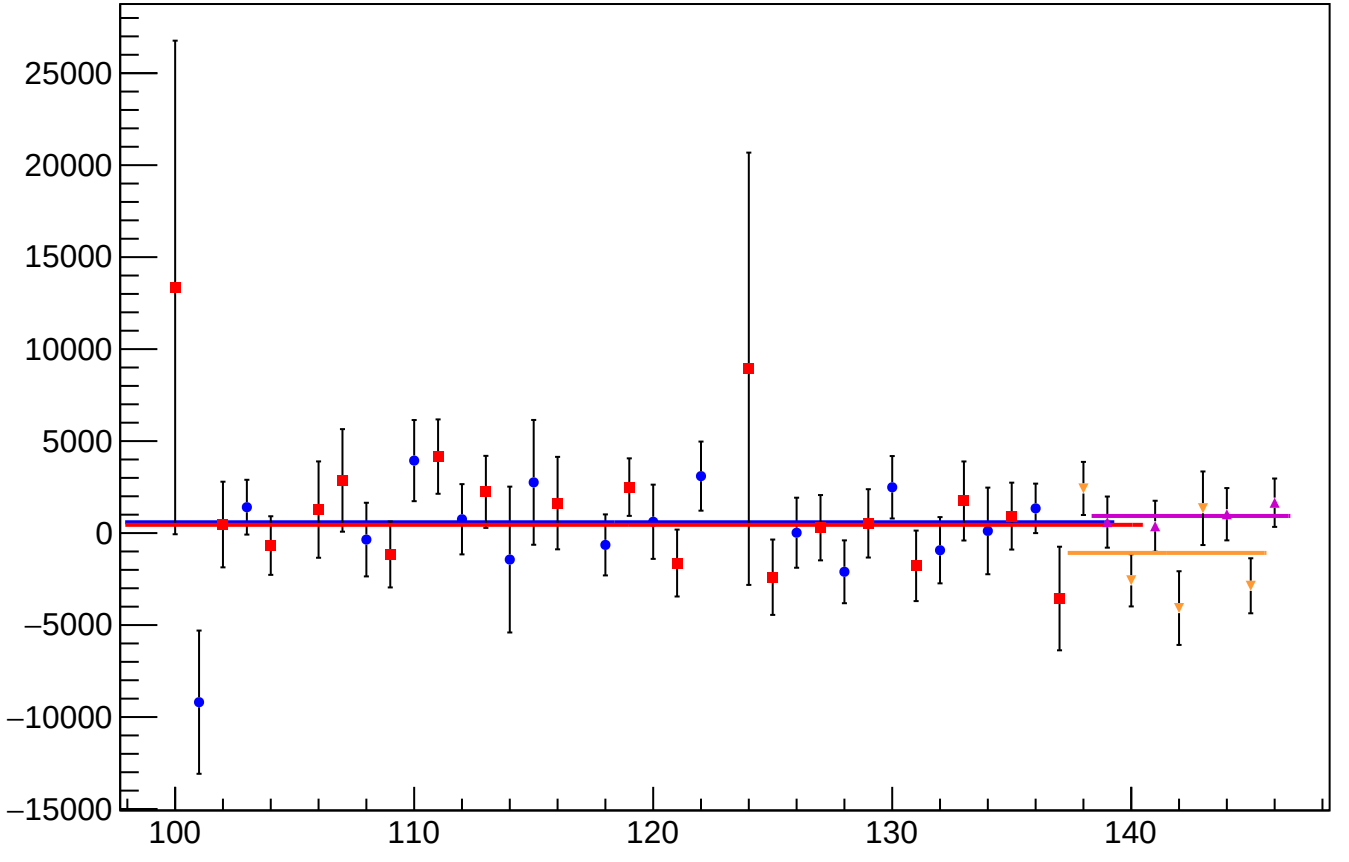
Left In: 588.492+/-0.224 χ^2/NDF:110559.1/3

+ sign 784.863+/-0.185 χ^2/NDF: 3627841.4/20

All: 779.822+/-0.130 χ^2/NDF: 7068028.3/43

- sign 774.959+/-0.182 χ^2/NDF: 3438727.5/22

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

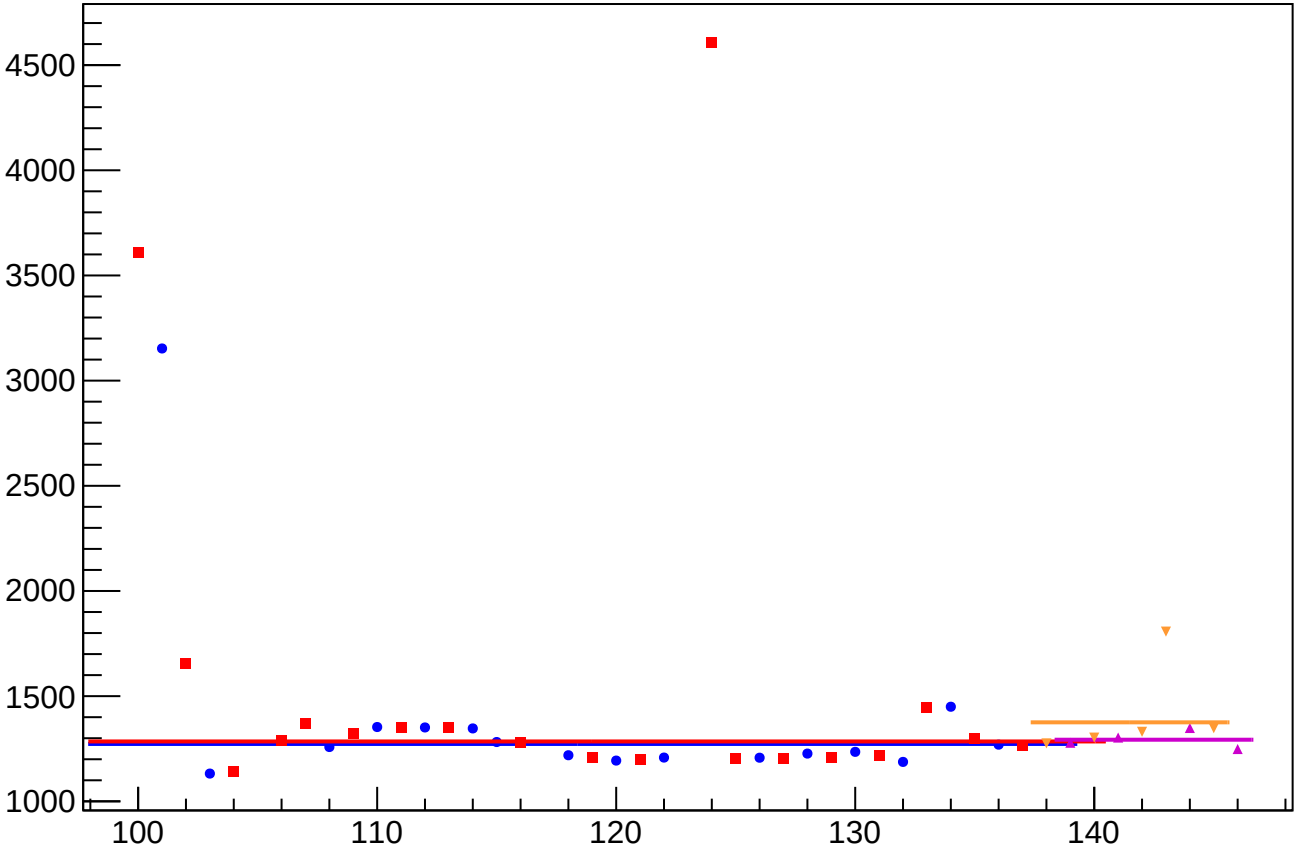
Left In: 930.296+/-688.021 χ^2/NDF:0.5/3

+ sign 72.530+/-400.979 χ^2/NDF: 32.9/20

All: 344.064+/-281.180 χ^2/NDF: 51.4/43

- sign 606.759+/-394.399 χ^2/NDF: 17.7/22

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

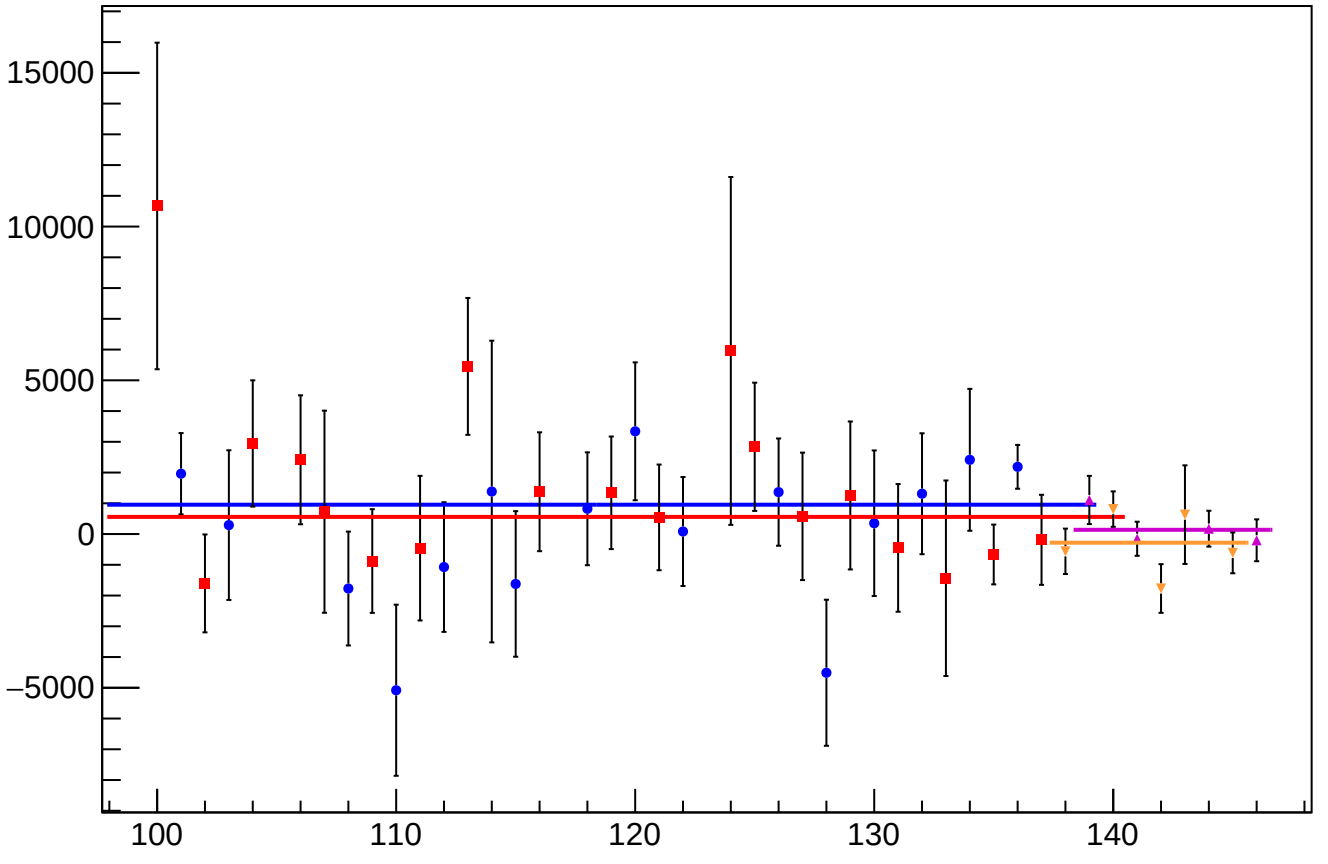
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1304.557+/-0.284 χ^2/NDF: 656903.7/20

All: 1295.814+/-0.199 χ^2/NDF: 993372.0/43

- sign 1287.357+/-0.279 χ^2/NDF: 334597.8/22



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

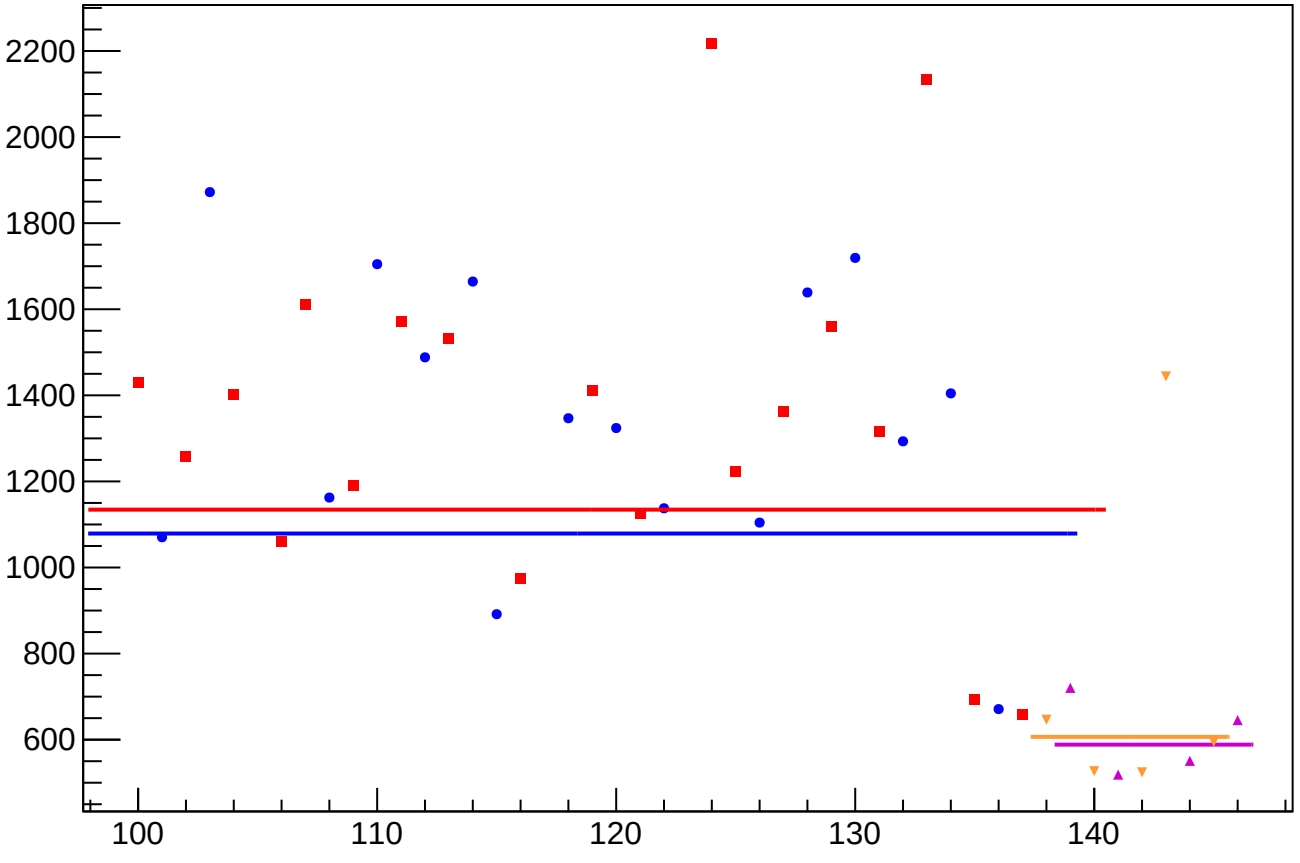
Left In: 138.093+/-316.505 χ^2/NDF:2.1/3

+ sign 185.139+/-261.546 χ^2/NDF: 33.0/20

All: 233.859+/-183.344 χ^2/NDF: 54.1/43

- sign 280.932+/-257.087 χ^2/NDF: 21.0/22

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 606.559+/-0.234 χ^2/NDF:611841.7/4

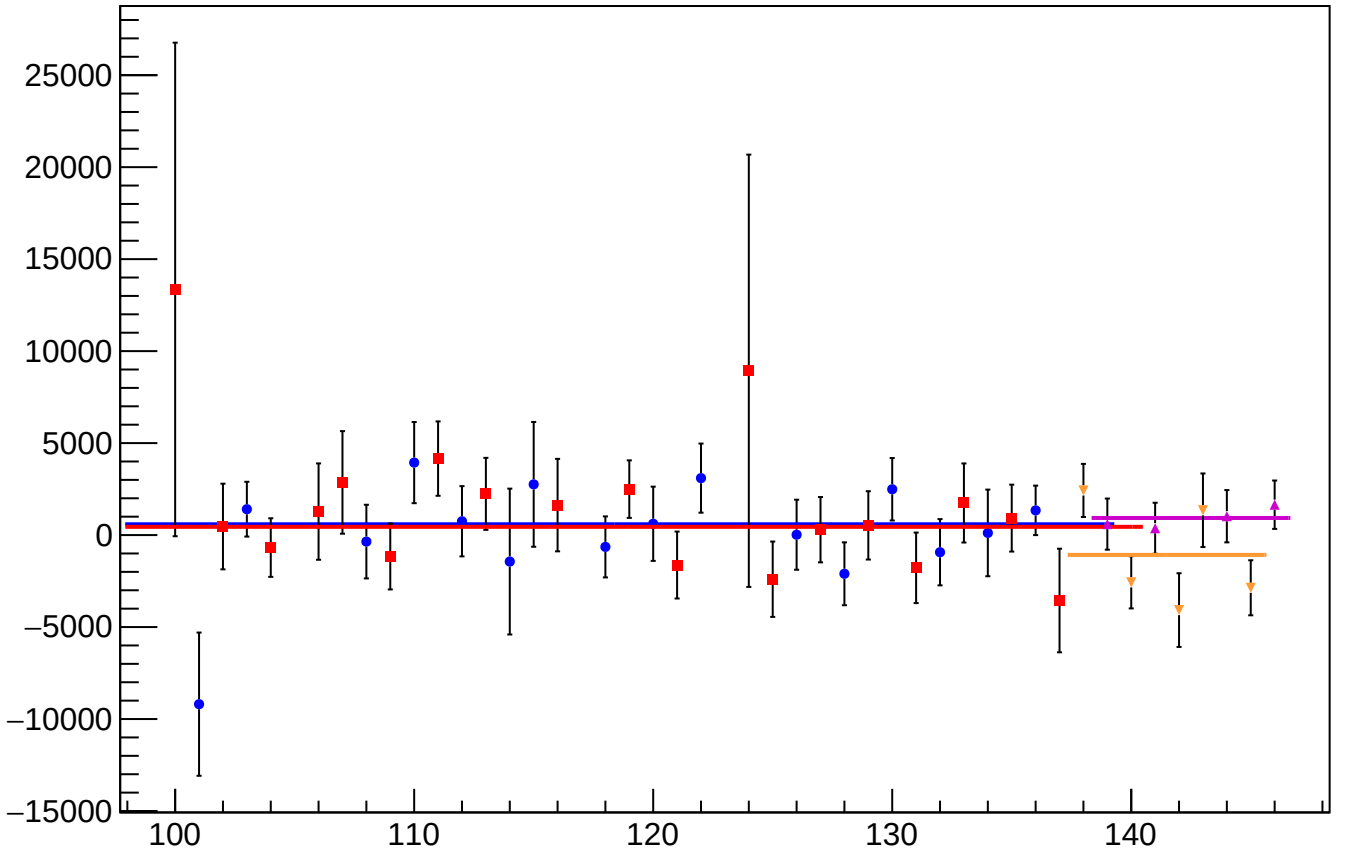
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

+ sign 784.901+/-0.185 χ^2/NDF: 3623703.1/20

All: 779.471+/-0.130 χ^2/NDF: 7049403.2/43

- sign 774.226+/-0.182 χ^2/NDF: 3424005.6/22



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

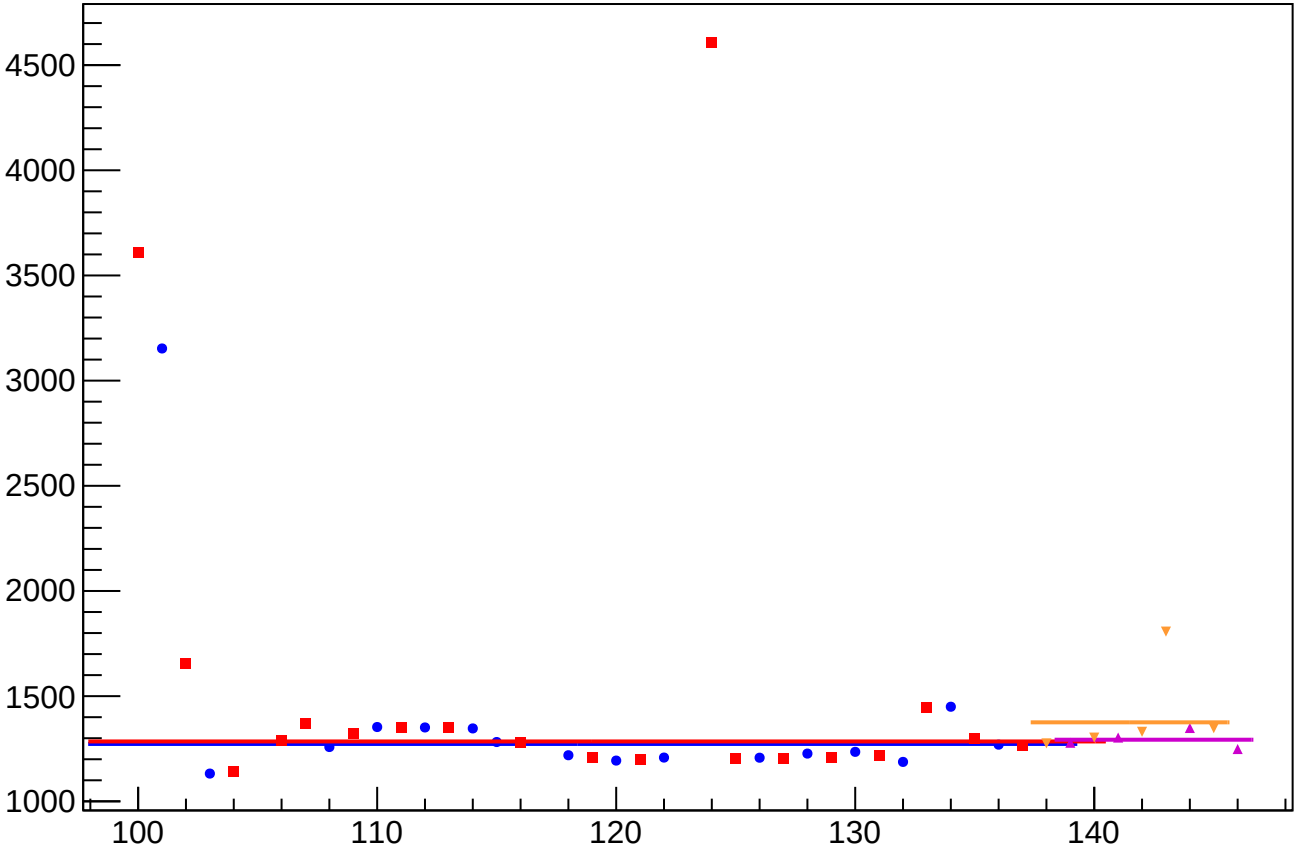
Left In: 930.296+/-688.021 χ^2/NDF:0.5/3

+ sign 72.530+/-400.979 χ^2/NDF: 32.9/20

All: 344.064+/-281.180 χ^2/NDF: 51.4/43

- sign 606.759+/-394.399 χ^2/NDF: 17.7/22

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: 1375.506+/-0.510 χ^2/NDF:109581.1/4

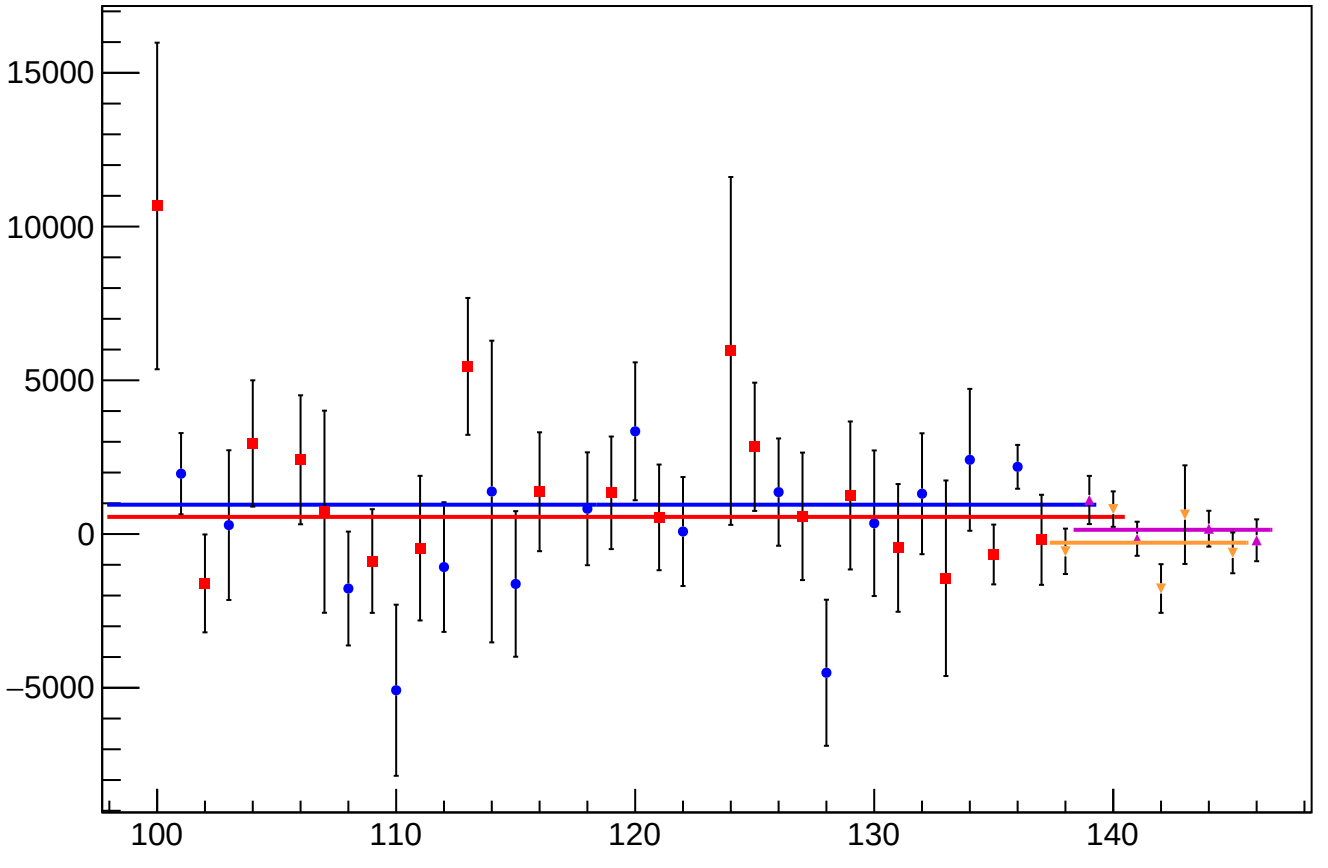
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

+ sign 1304.557+/-0.284 χ^2/NDF: 656903.7/20

All: 1295.814+/-0.199 χ^2/NDF: 993372.0/43

- sign 1287.357+/-0.279 χ^2/NDF: 334597.8/22



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

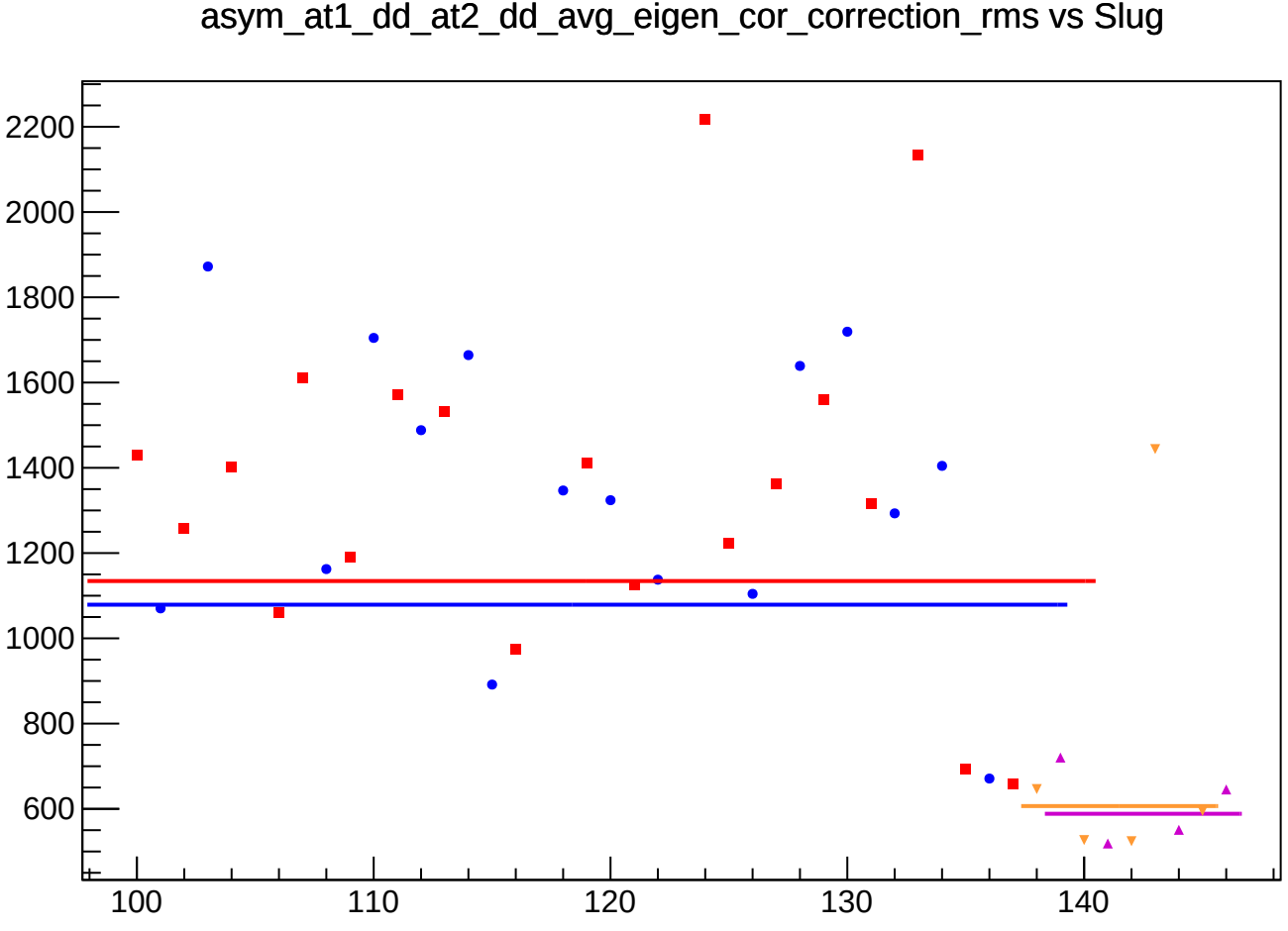
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 138.093+/-316.505 χ^2/NDF:2.1/3

+ sign 185.139+/-261.546 χ^2/NDF: 33.0/20

All: 233.859+/-183.344 χ^2/NDF: 54.1/43

- sign 280.932+/-257.087 χ^2/NDF: 21.0/22



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 606.559+/-0.234 χ^2/NDF:611841.7/4

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

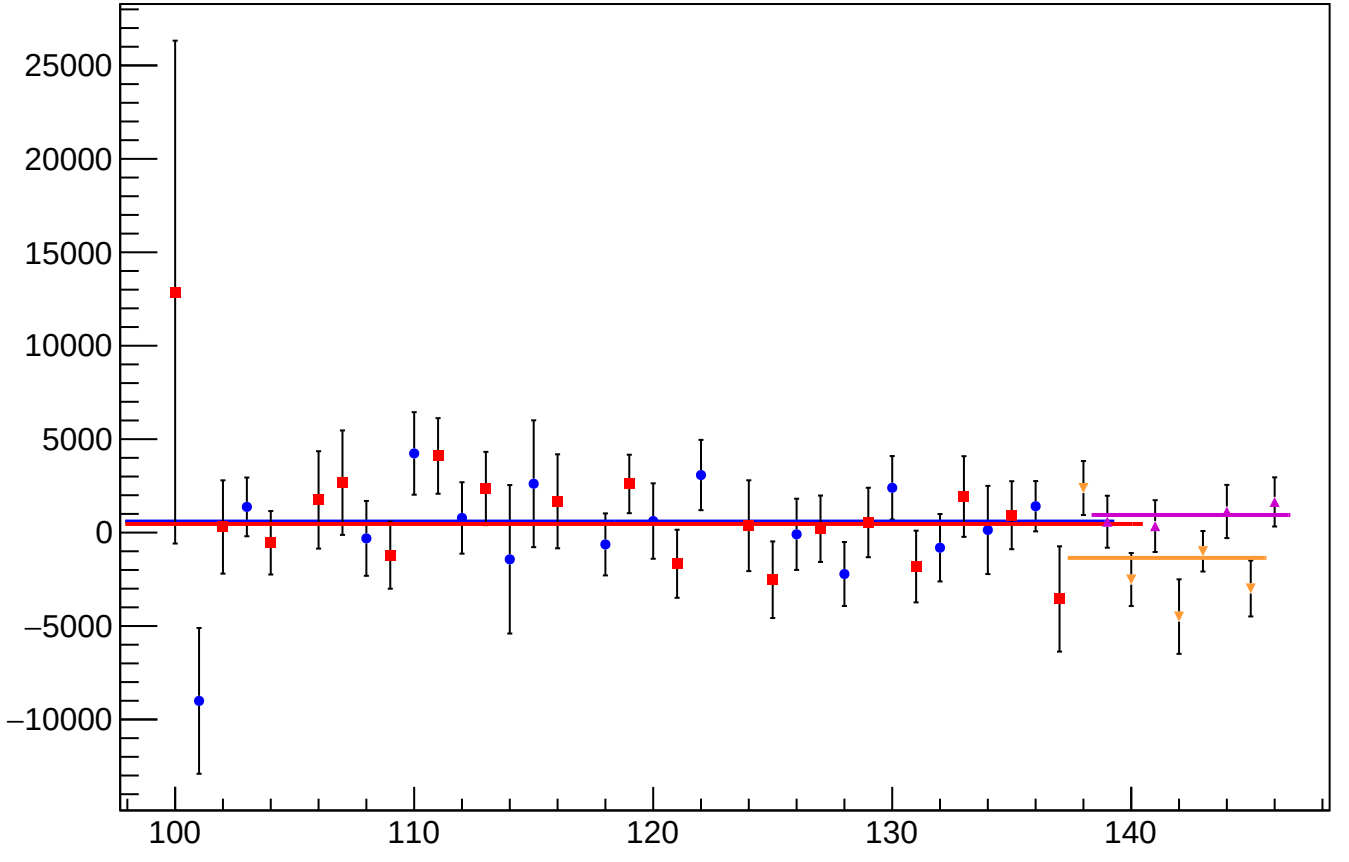
Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

\+ sign 784.901+/-0.185 χ^2/NDF: 3623703.1/20

All: 779.471+/-0.130 χ^2/NDF: 7049403.2/43

\- sign 774.226+/-0.182 χ^2/NDF: 3424005.6/22

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1353.965+/-629.441 χ^2/NDF:11.1/4

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

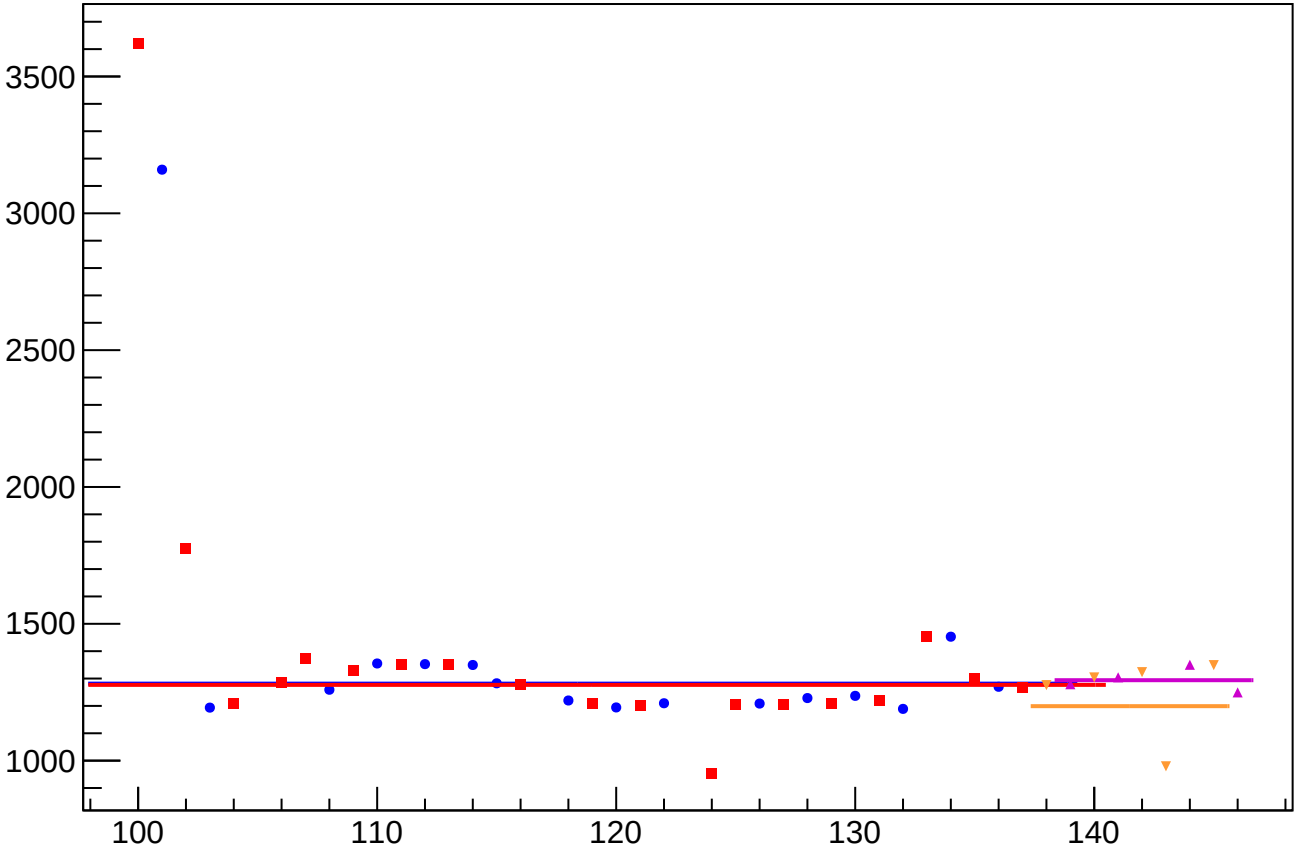
Left In: 942.900+/-688.596 χ^2/NDF:0.6/3

\+ sign -134.893+/-384.422 χ^2/NDF: 34.2/20

All: 234.333+/-274.466 χ^2/NDF: 53.7/43

\- sign 618.254+/-391.997 χ^2/NDF: 17.6/22

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1199.041+/-0.445 χ^2/NDF:126662.9/4

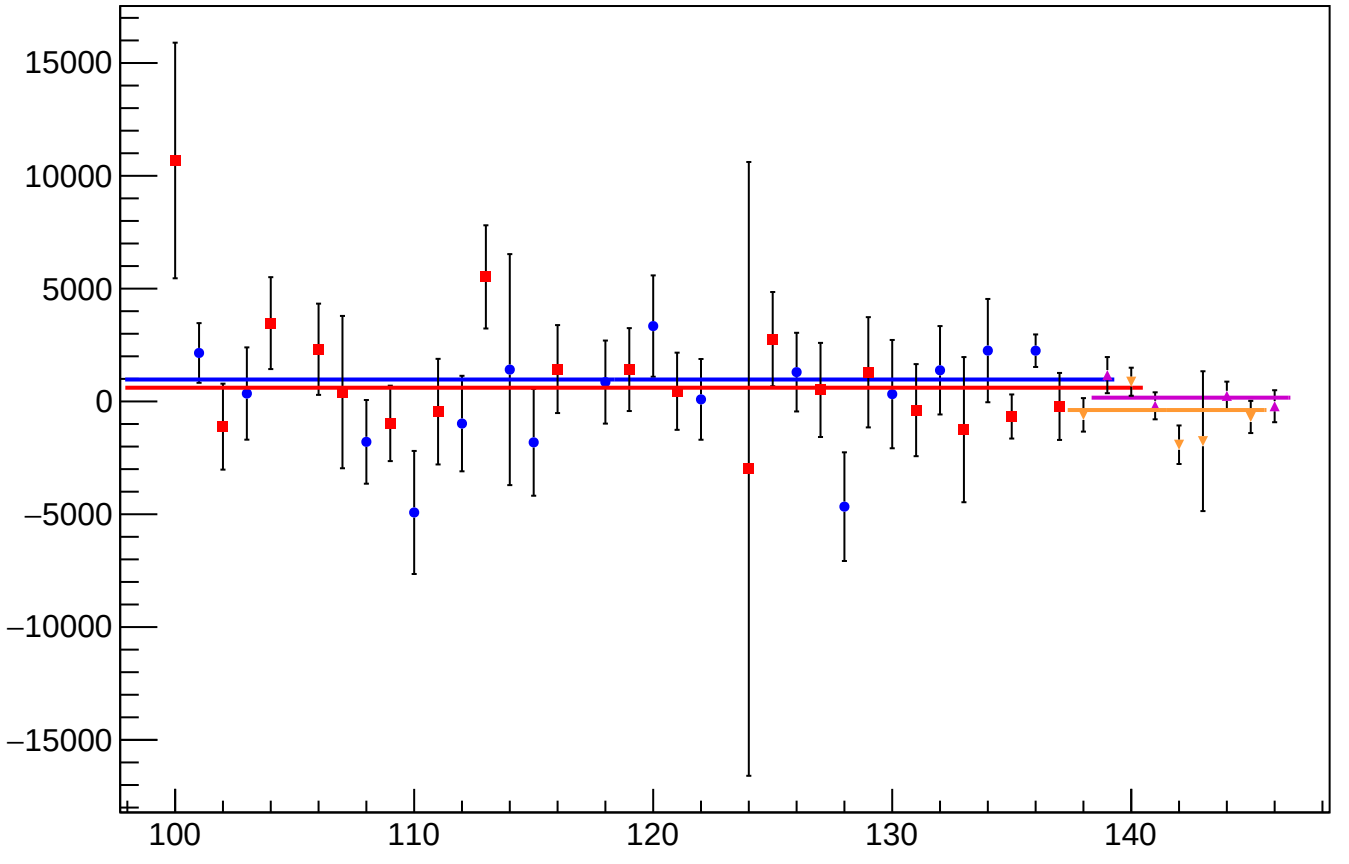
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

+ sign 1250.661+/-0.272 χ^2/NDF: 655194.1/20

All: 1266.219+/-0.194 χ^2/NDF: 888992.3/43

- sign 1282.397+/-0.277 χ^2/NDF: 227115.6/22



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -380.599+/-357.013 χ^2/NDF:7.8/4

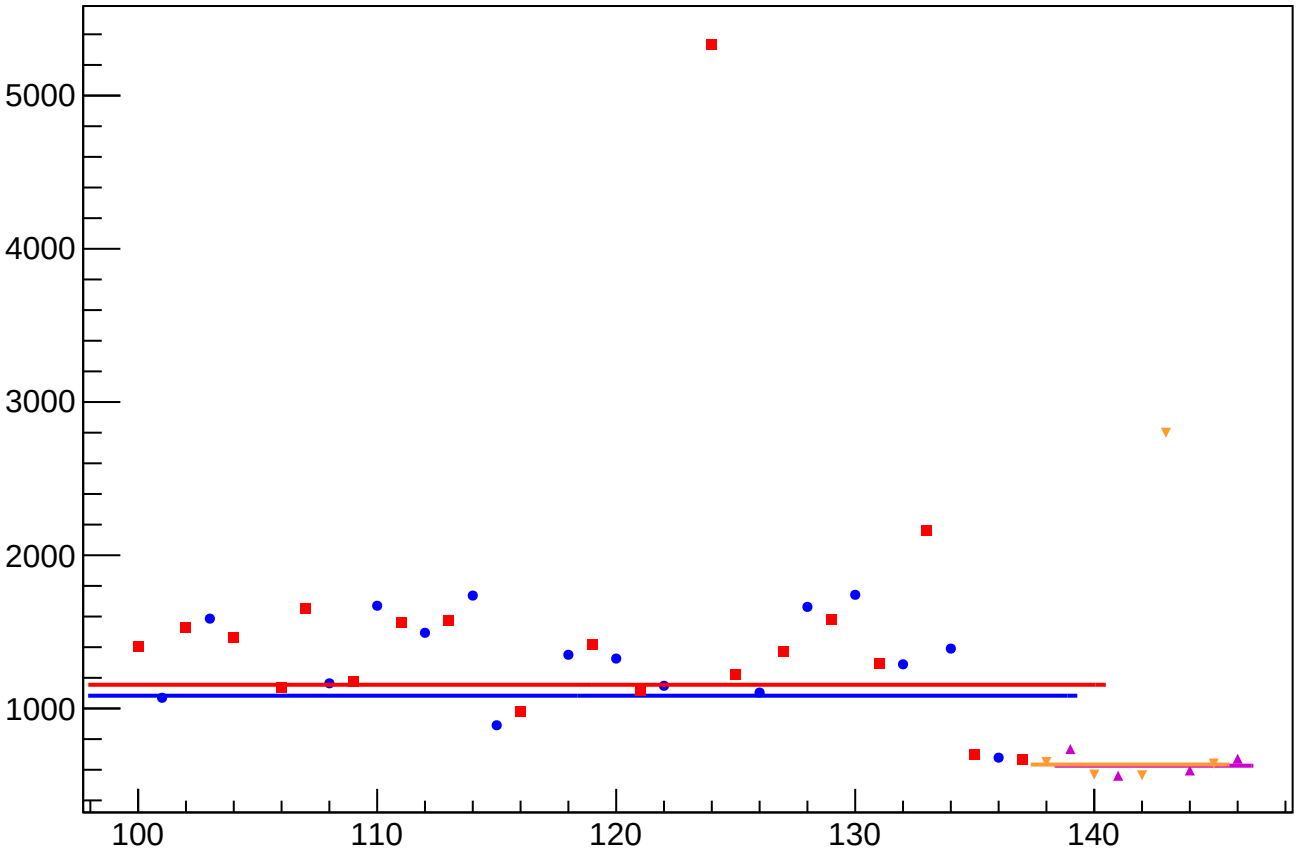
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 167.395+/-335.989 χ^2/NDF:2.2/3

\+ sign 178.772+/-273.421 χ^2/NDF: 34.2/20

All: 253.802+/-191.660 χ^2/NDF: 54.3/43

\- sign 326.282+/-268.737 χ^2/NDF: 20.0/22



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 634.064+/-0.252 χ^2/NDF:1013459.5/4

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

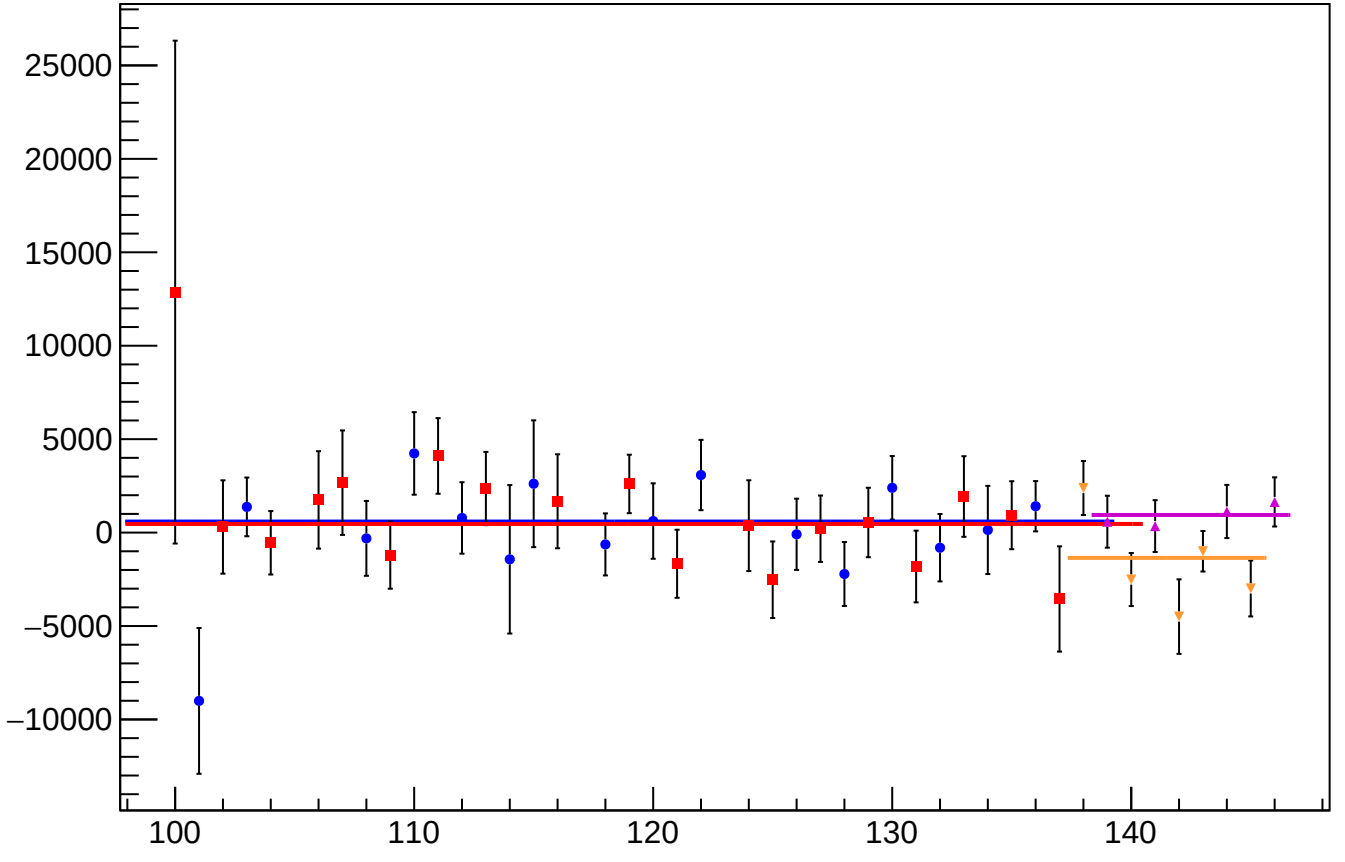
Left In: 626.529+/-0.238 χ^2/NDF:74001.9/3

+ sign 819.822+/-0.193 χ^2/NDF: 3683142.5/20

All: 818.293+/-0.136 χ^2/NDF: 7026242.8/43

- sign 816.816+/-0.190 χ^2/NDF: 3342977.4/22

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1353.966+/-629.441 χ^2/NDF:11.1/4

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

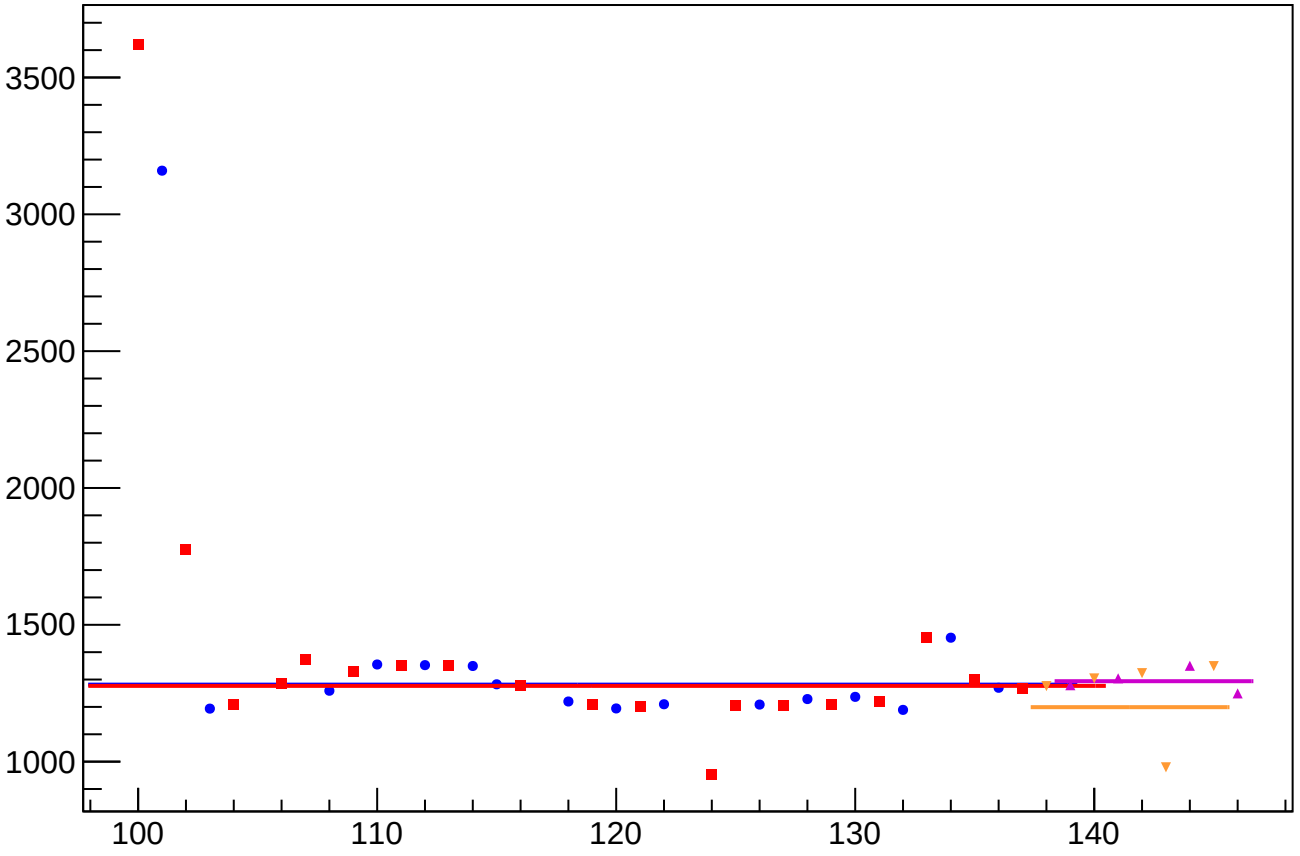
Left In: 942.907+/-688.596 χ^2/NDF:0.6/3

+ sign -134.893+/-384.422 χ^2/NDF: 34.2/20

All: 234.334+/-274.466 χ^2/NDF: 53.7/43

- sign 618.256+/-391.997 χ^2/NDF: 17.6/22

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: 1199.041+/-0.445 χ^2/NDF:126662.3/4

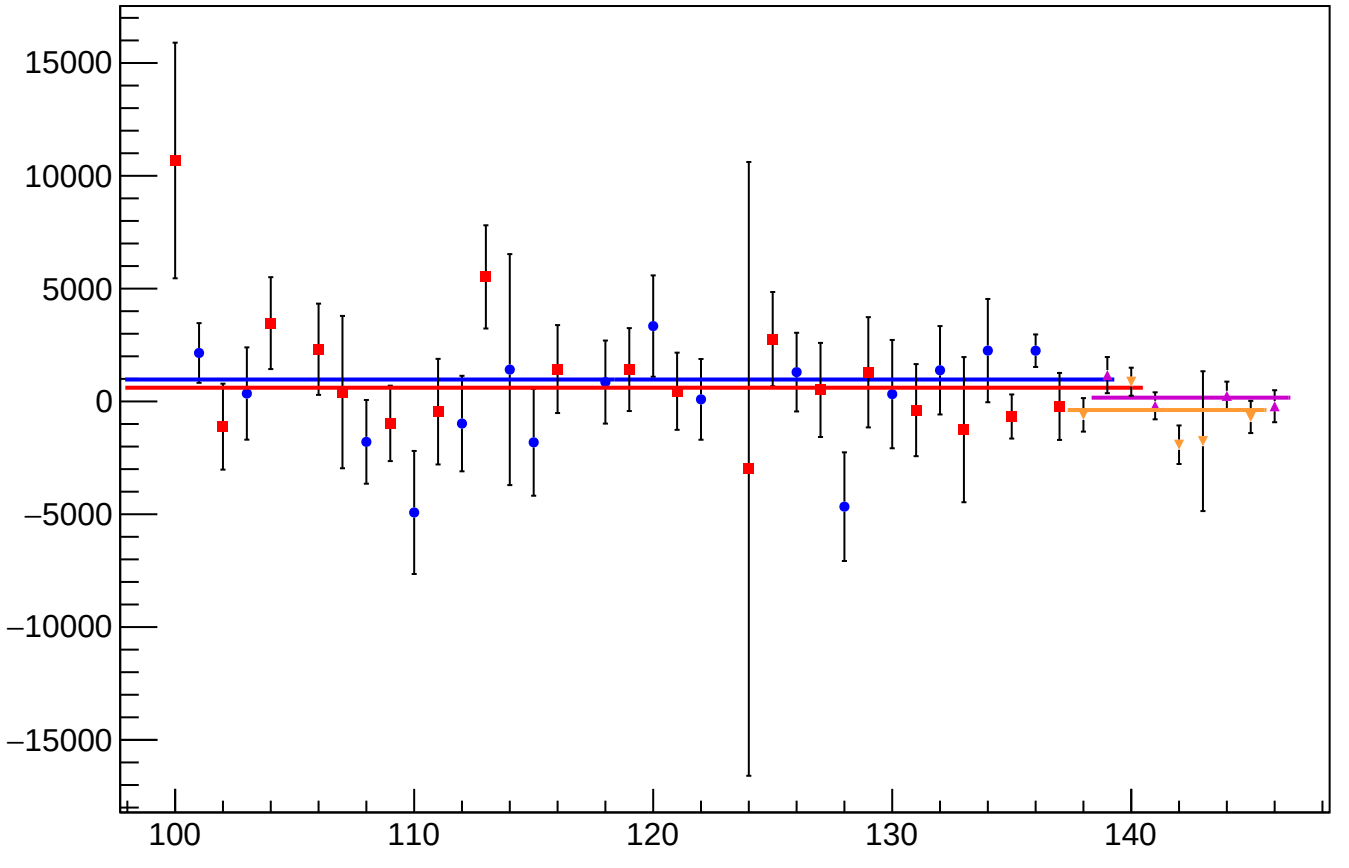
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

+ sign 1250.661+/-0.272 χ^2/NDF: 655193.3/20

All: 1266.219+/-0.194 χ^2/NDF: 888991.4/43

- sign 1282.397+/-0.277 χ^2/NDF: 227115.5/22



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -380.603+/-357.015 χ^2/NDF:7.8/4

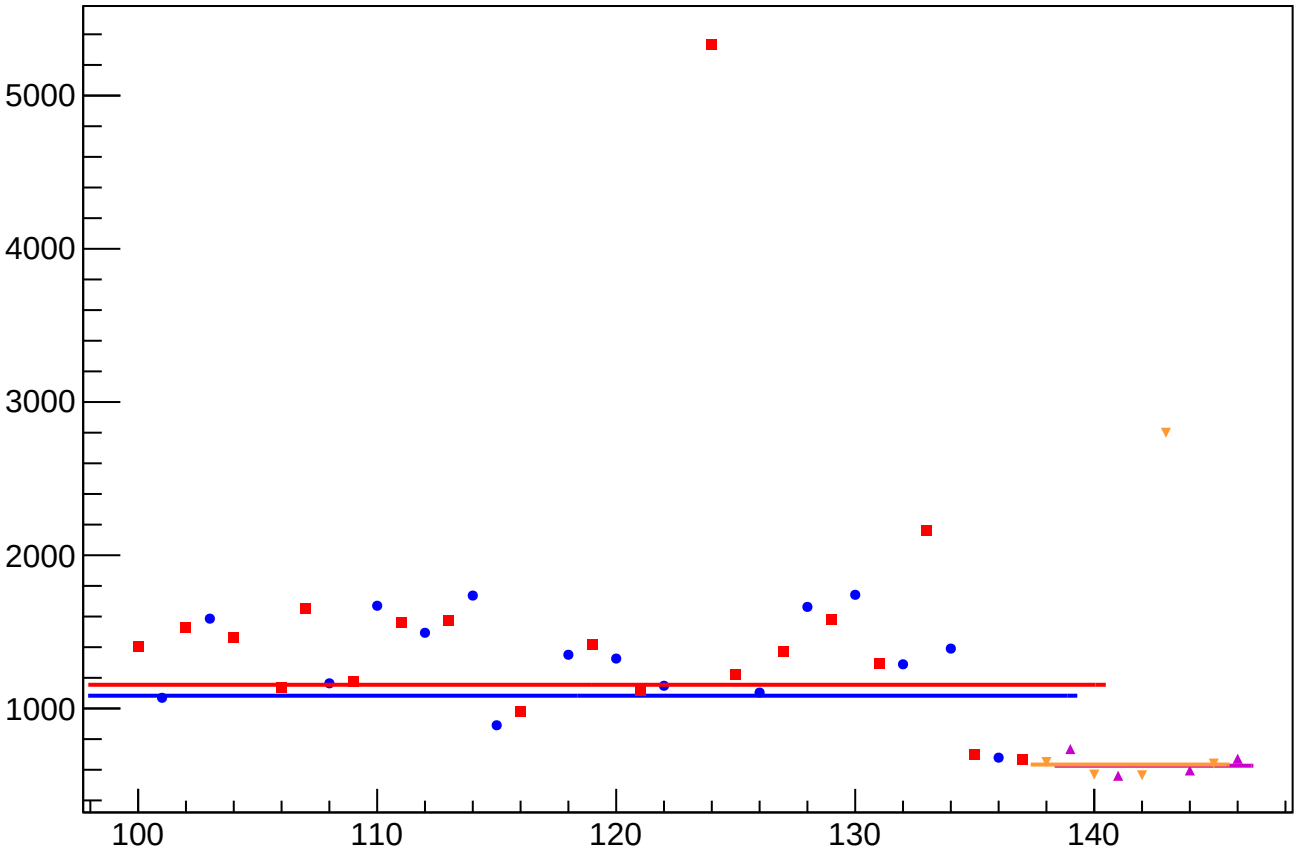
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 167.394+/-335.989 χ^2/NDF:2.2/3

+ sign 178.768+/-273.422 χ^2/NDF: 34.2/20

All: 253.801+/-191.661 χ^2/NDF: 54.3/43

- sign 326.284+/-268.737 χ^2/NDF: 20.0/22



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 634.068+/-0.252 χ^2/NDF:1013458.0/4

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

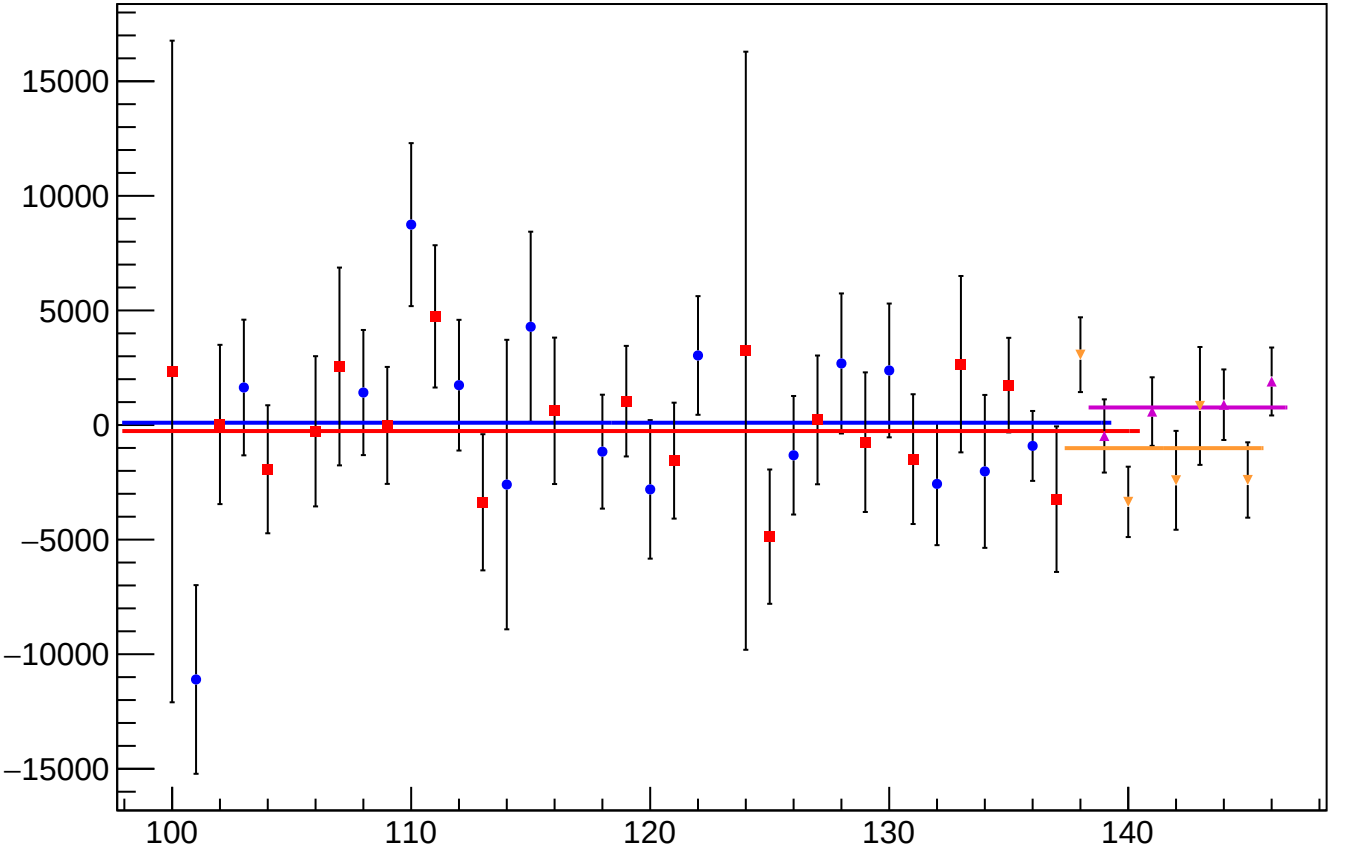
Left In: 626.529+/-0.238 χ^2/NDF:74004.8/3

+ sign 819.827+/-0.193 χ^2/NDF: 3683088.3/20

All: 818.296+/-0.136 χ^2/NDF: 7026178.6/43

- sign 816.817+/-0.190 χ^2/NDF: 3342967.0/22

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1008.541+/-806.880 χ^2/NDF:10.2/4

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

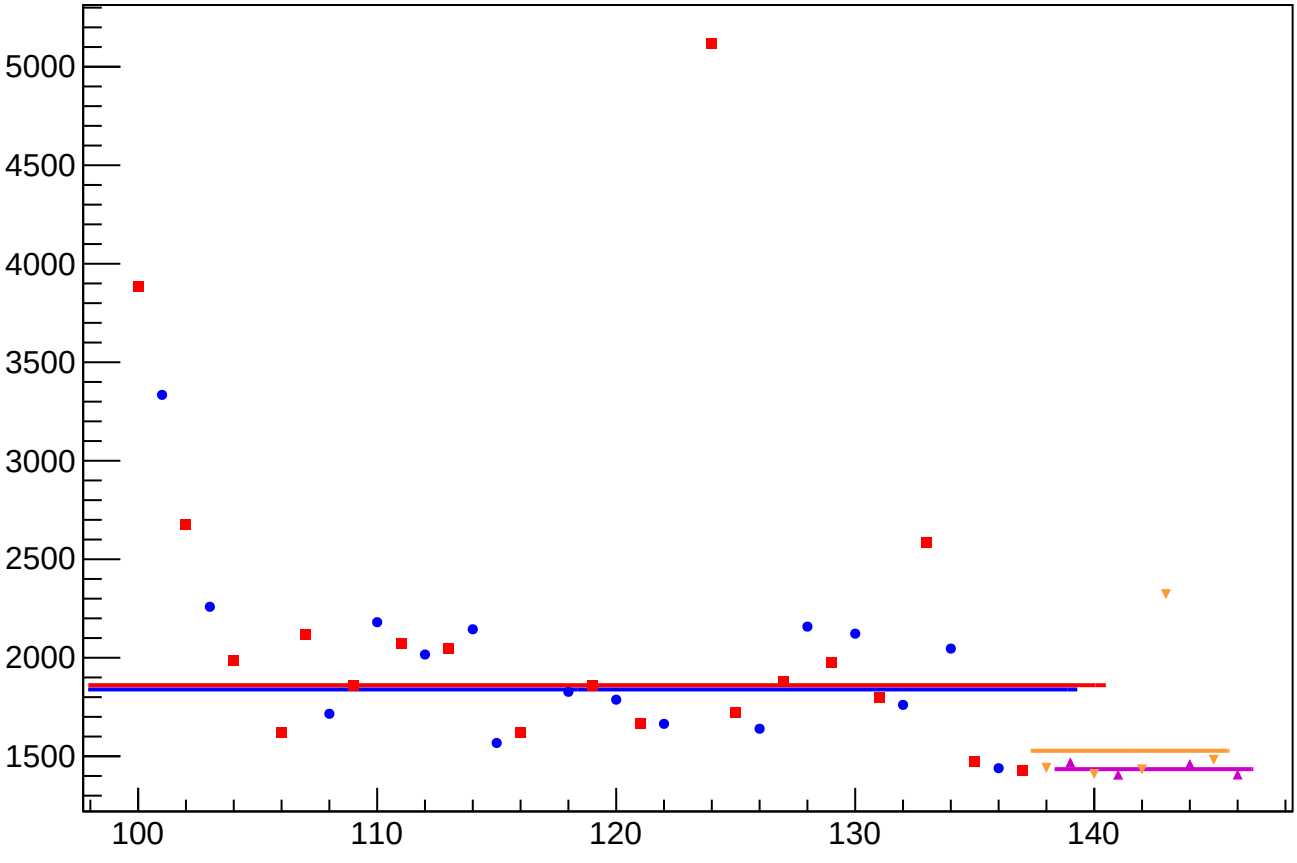
Left In: 765.959+/-763.330 χ^2/NDF:1.2/3

+ sign -374.990+/-528.315 χ^2/NDF: 32.6/20

All: -77.034+/-369.072 χ^2/NDF: 45.7/43

- sign 206.976+/-515.803 χ^2/NDF: 12.5/22

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1527.769+/-0.571 χ^2/NDF:213831.0/4

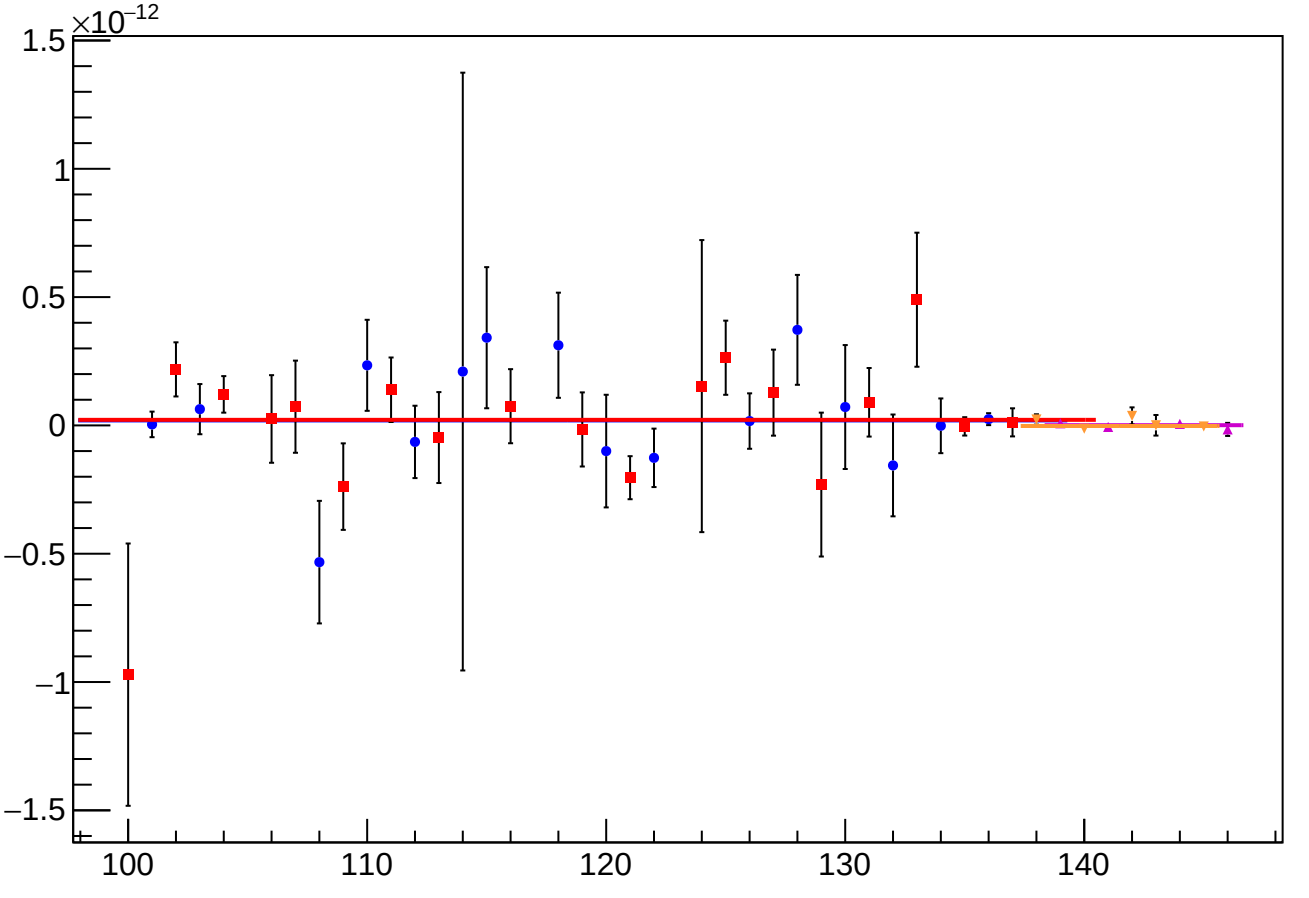
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1434.548+/-0.540 χ^2/NDF:2862.3/3

+ sign 1705.636+/-0.374 χ^2/NDF: 940673.3/20

All: 1685.418+/-0.261 χ^2/NDF: 1810185.0/43

- sign 1666.147+/-0.365 χ^2/NDF: 863791.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

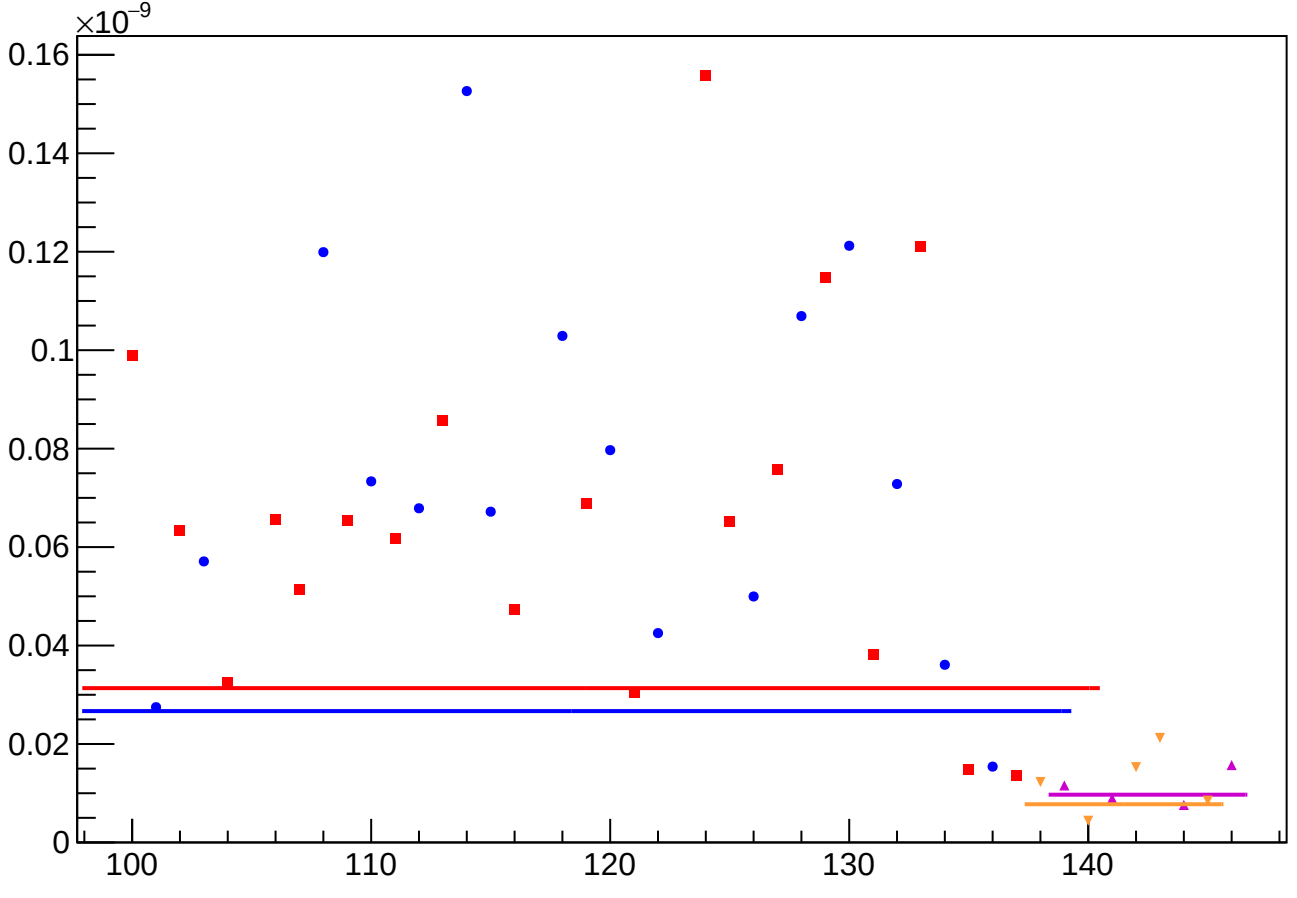
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/20

All: 0.000+/-0.000 χ^2/NDF: 51.5/43

- sign 0.000+/-0.000 χ^2/NDF: 29.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:629833.4/4

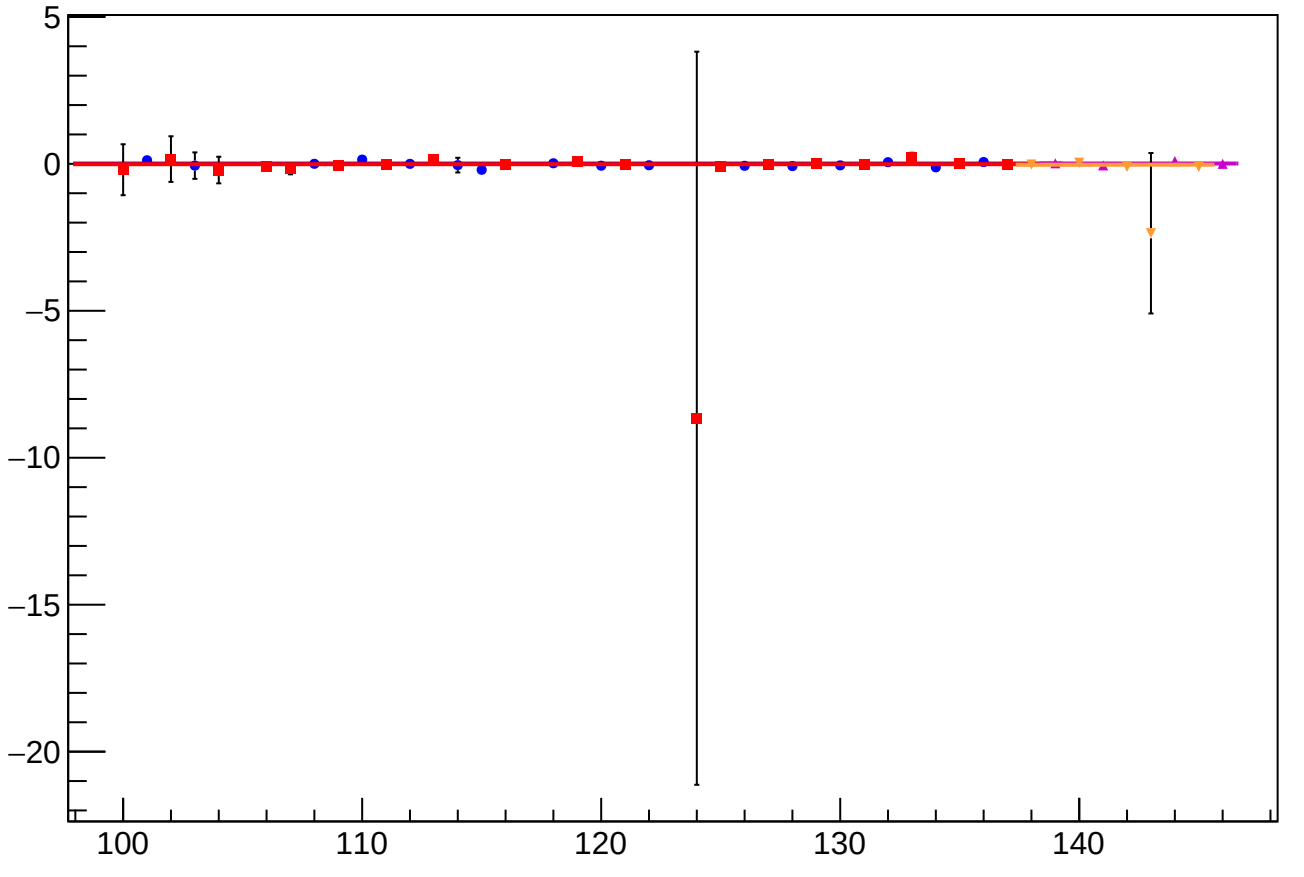
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:185270.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4947520.3/20

All: 0.000+/-0.000 χ^2/NDF: 9123896.6/43

- sign 0.000+/-0.000 χ^2/NDF: 4105340.7/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

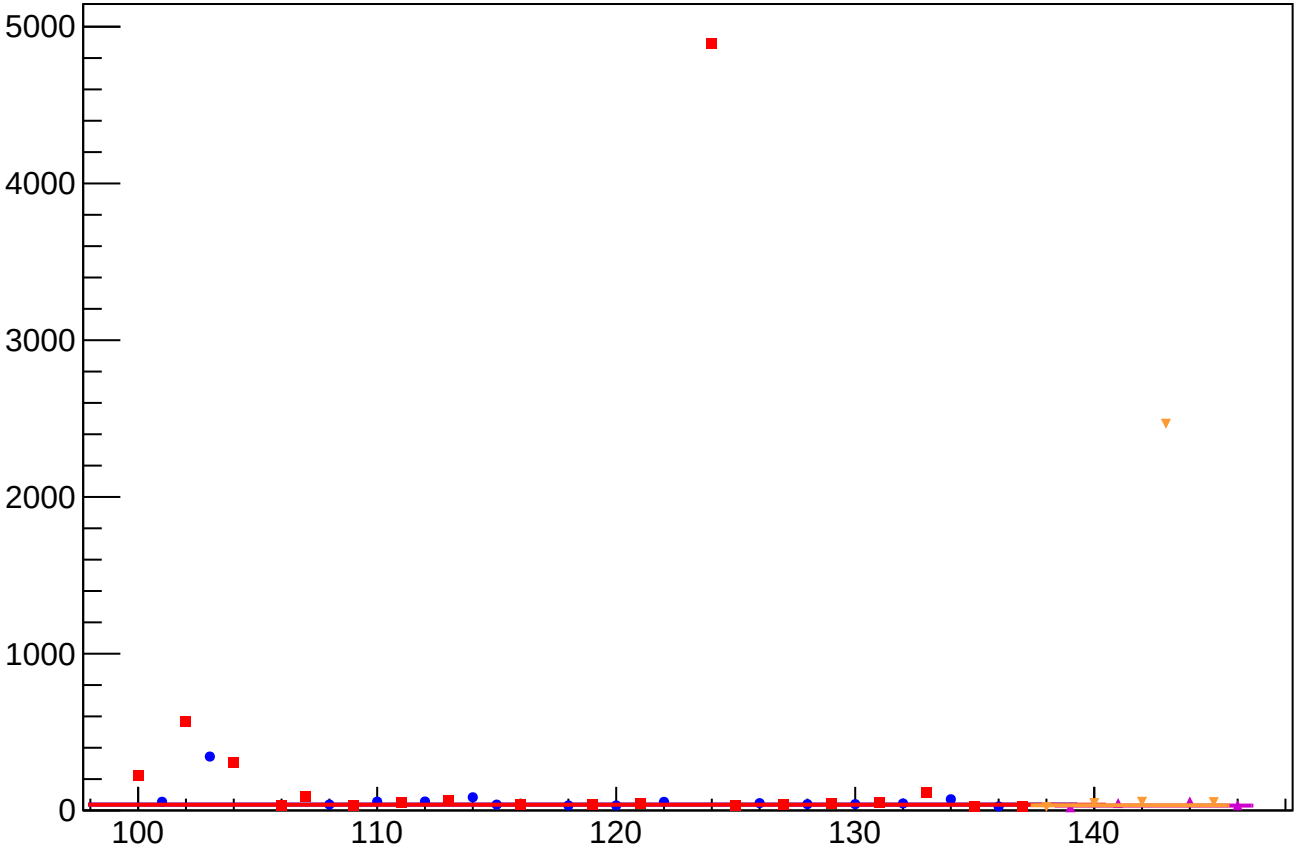
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.003+/-0.009 χ^2/NDF: 42.8/43

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

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: 33.091+/-0.016 χ^2/NDF:2371298.2/4

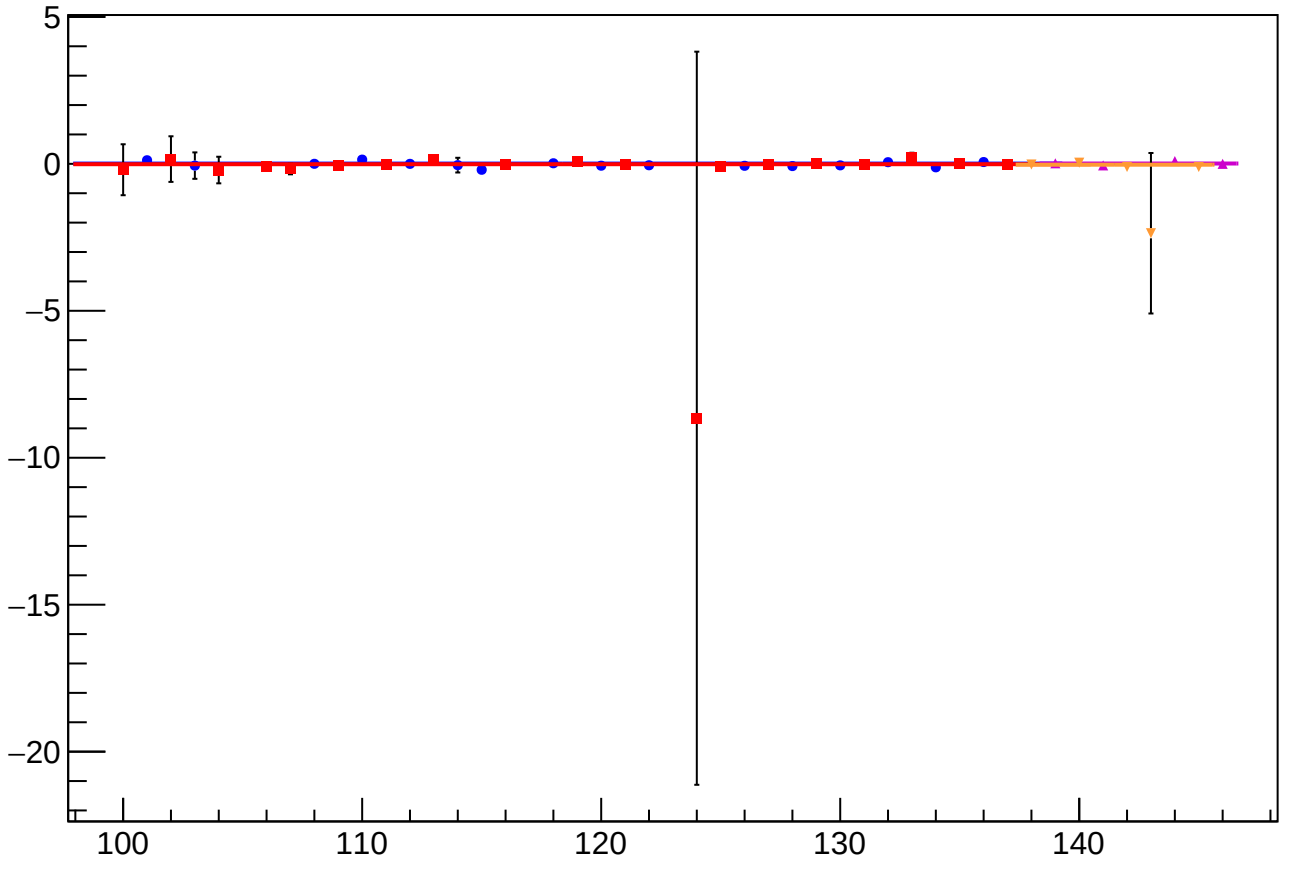
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

+ sign 36.007+/-0.009 χ^2/NDF: 4405254.3/20

All: 35.155+/-0.006 χ^2/NDF: 8581346.1/43

- sign 34.363+/-0.009 χ^2/NDF: 4159735.2/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

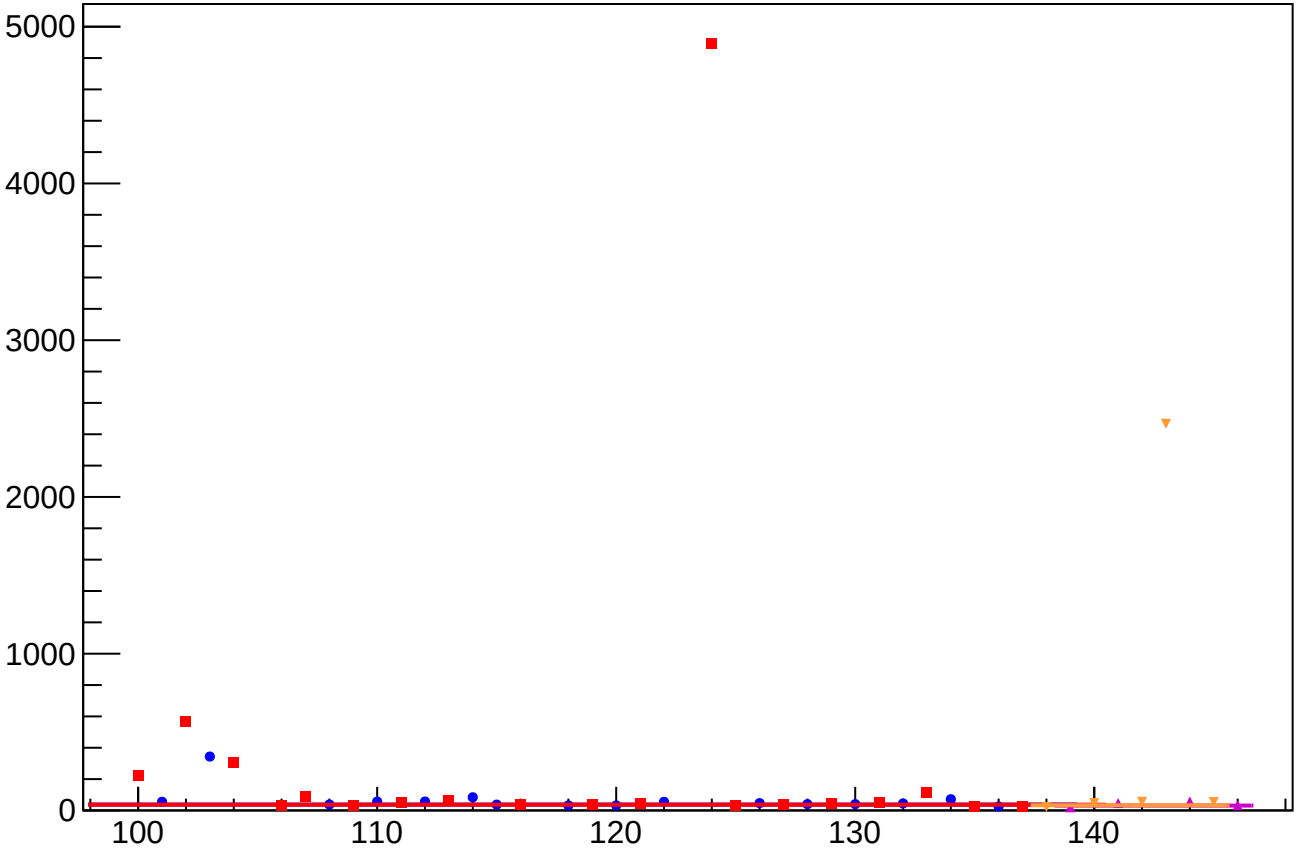
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.003+/-0.009 χ^2/NDF: 42.8/43

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.091+/-0.016 χ^2/NDF:2371298.2/4

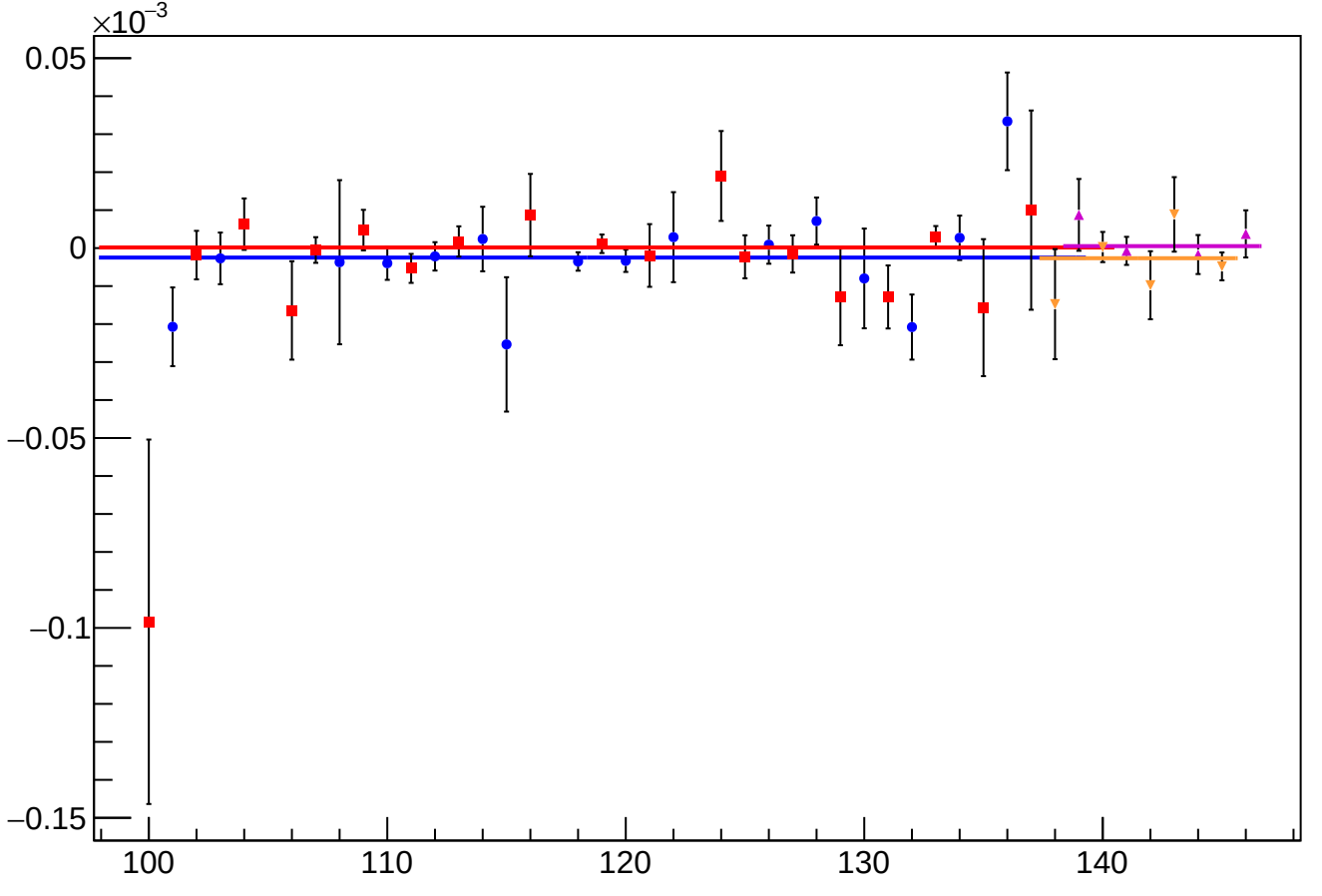
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

+ sign 36.007+/-0.009 χ^2/NDF: 4405254.3/20

All: 35.155+/-0.006 χ^2/NDF: 8581346.1/43

- sign 34.363+/-0.009 χ^2/NDF: 4159735.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

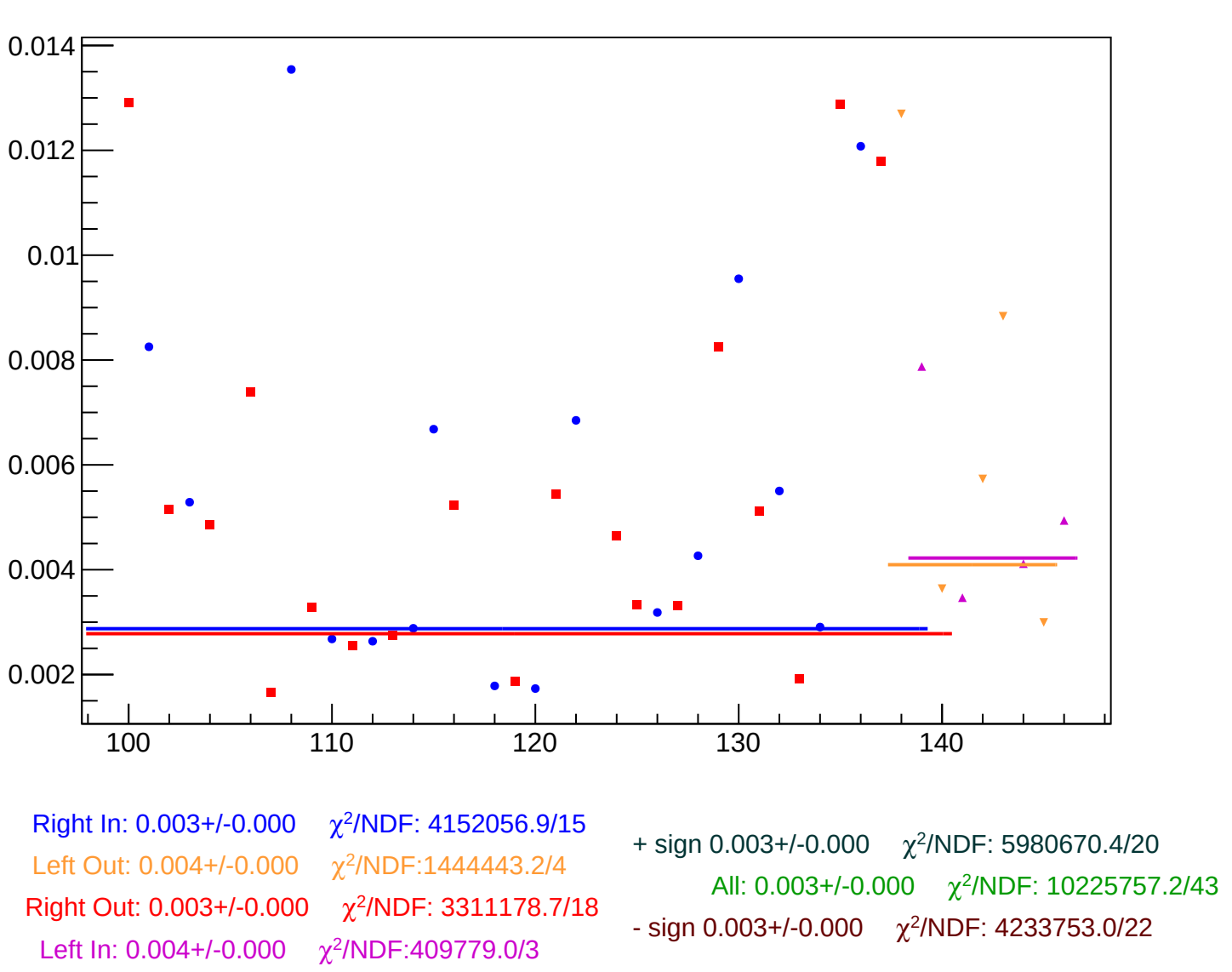
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

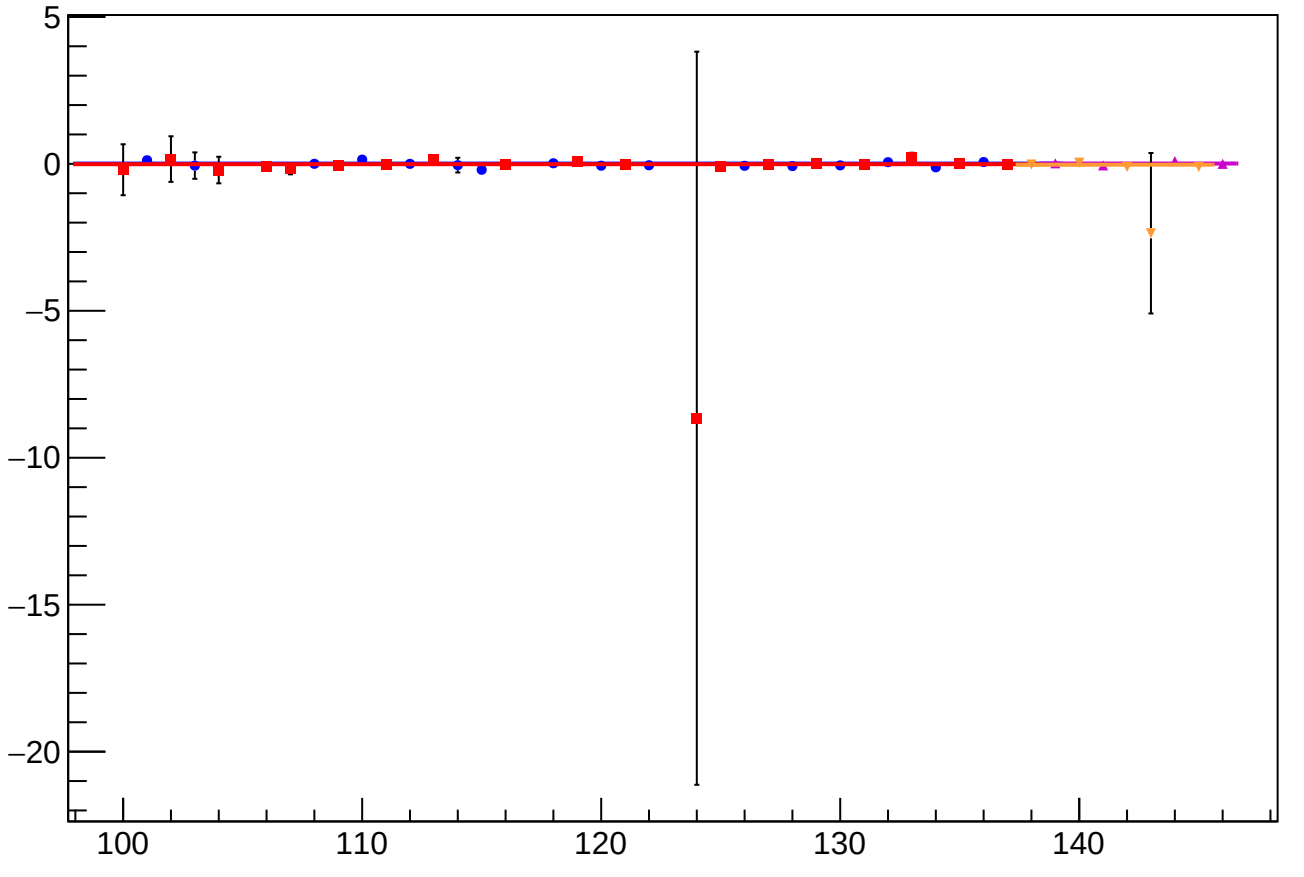
Left In: 0.000+/-0.000 χ^2/NDF:1.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/20

All: -0.000+/-0.000 χ^2/NDF: 48.7/43

- sign 0.000+/-0.000 χ^2/NDF: 20.2/22


asym_at1_dd_at2_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
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1444443.2/4
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:409779.0/3
+ sign 0.003+/-0.000 χ²/NDF: 5980670.4/20
All: 0.003+/-0.000 χ²/NDF: 10225757.2/43
- sign 0.003+/-0.000 χ²/NDF: 4233753.0/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

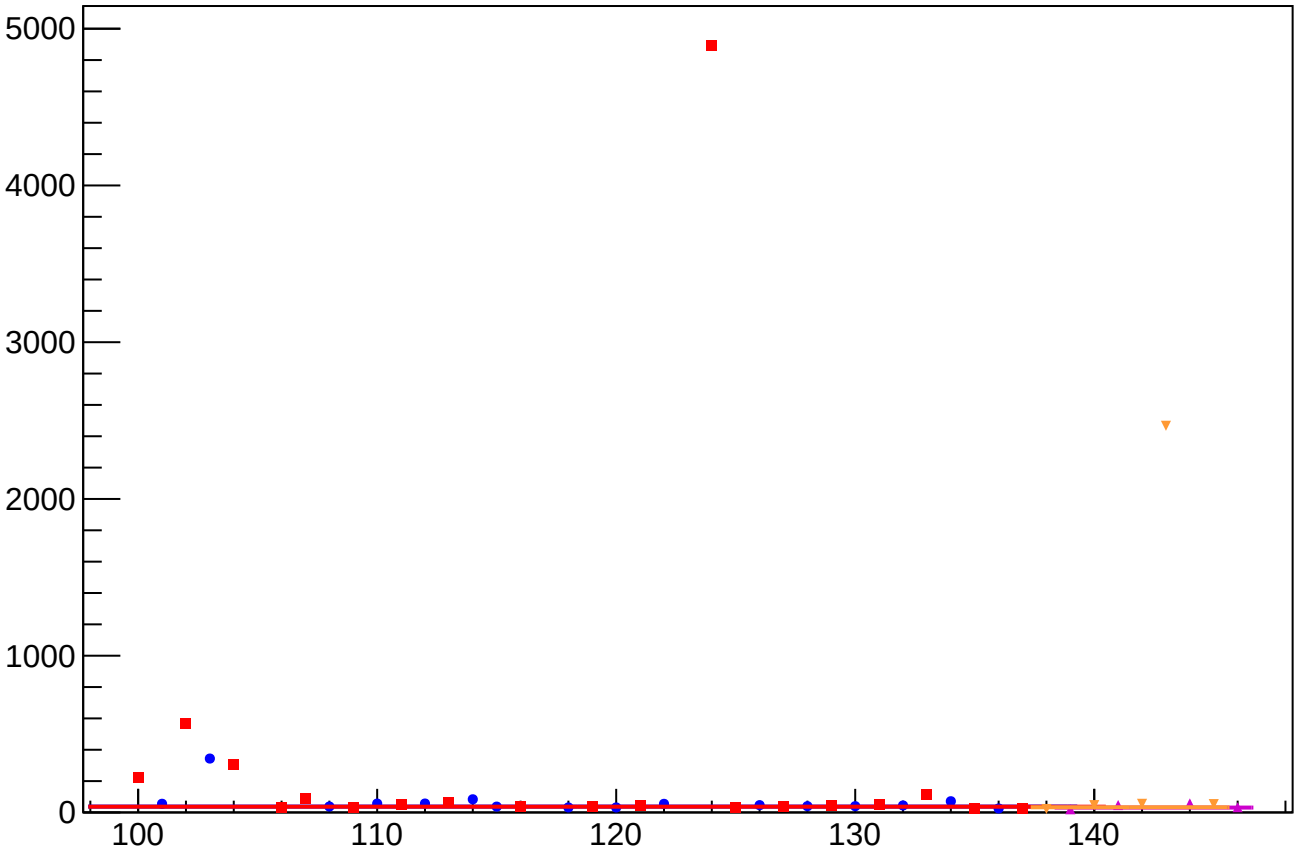
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.003+/-0.009 χ^2/NDF: 42.8/43

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

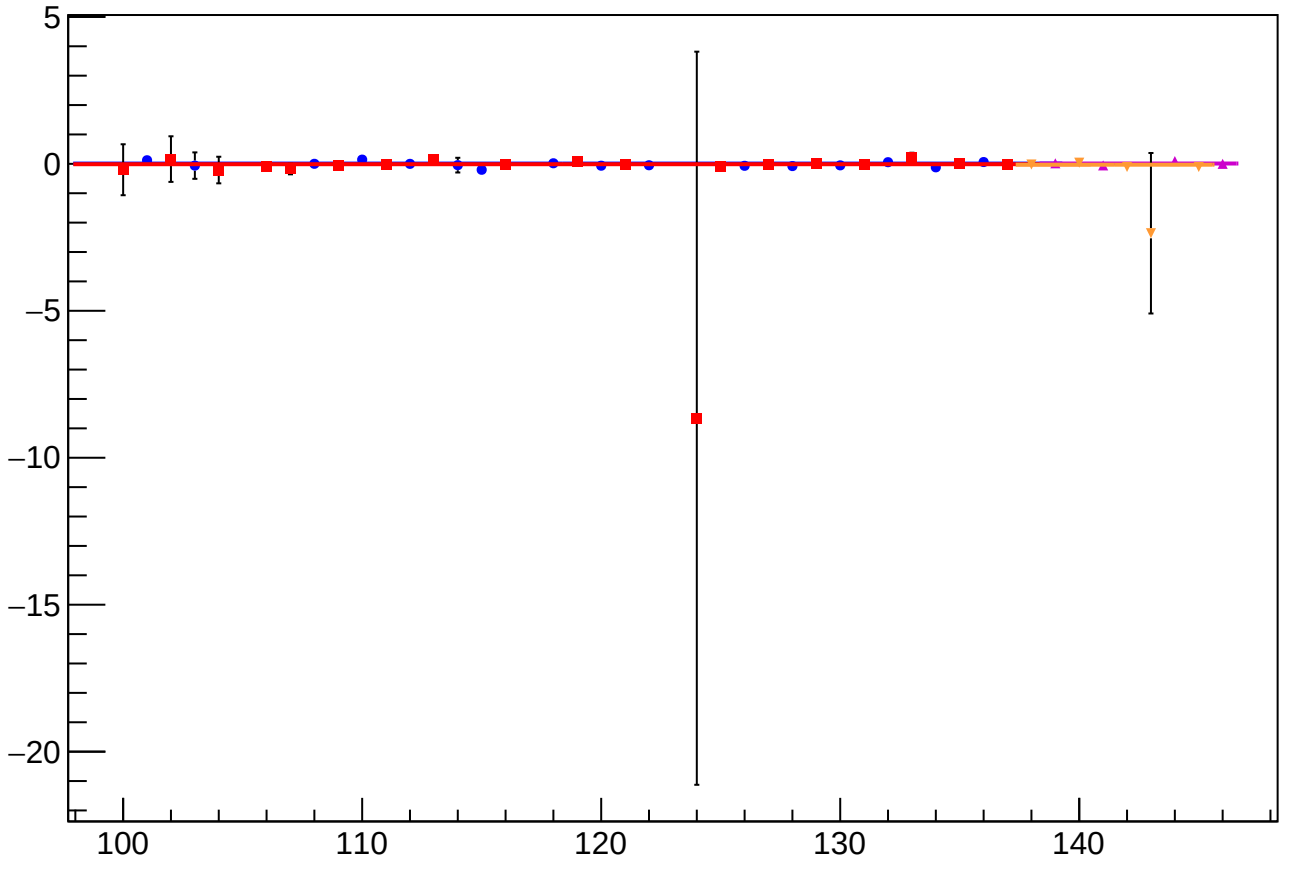
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

+ sign 36.005+/-0.009 χ^2/NDF: 4405626.9/20

All: 35.156+/-0.006 χ^2/NDF: 8580463.9/43

- sign 34.367+/-0.009 χ^2/NDF: 4158587.5/22



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

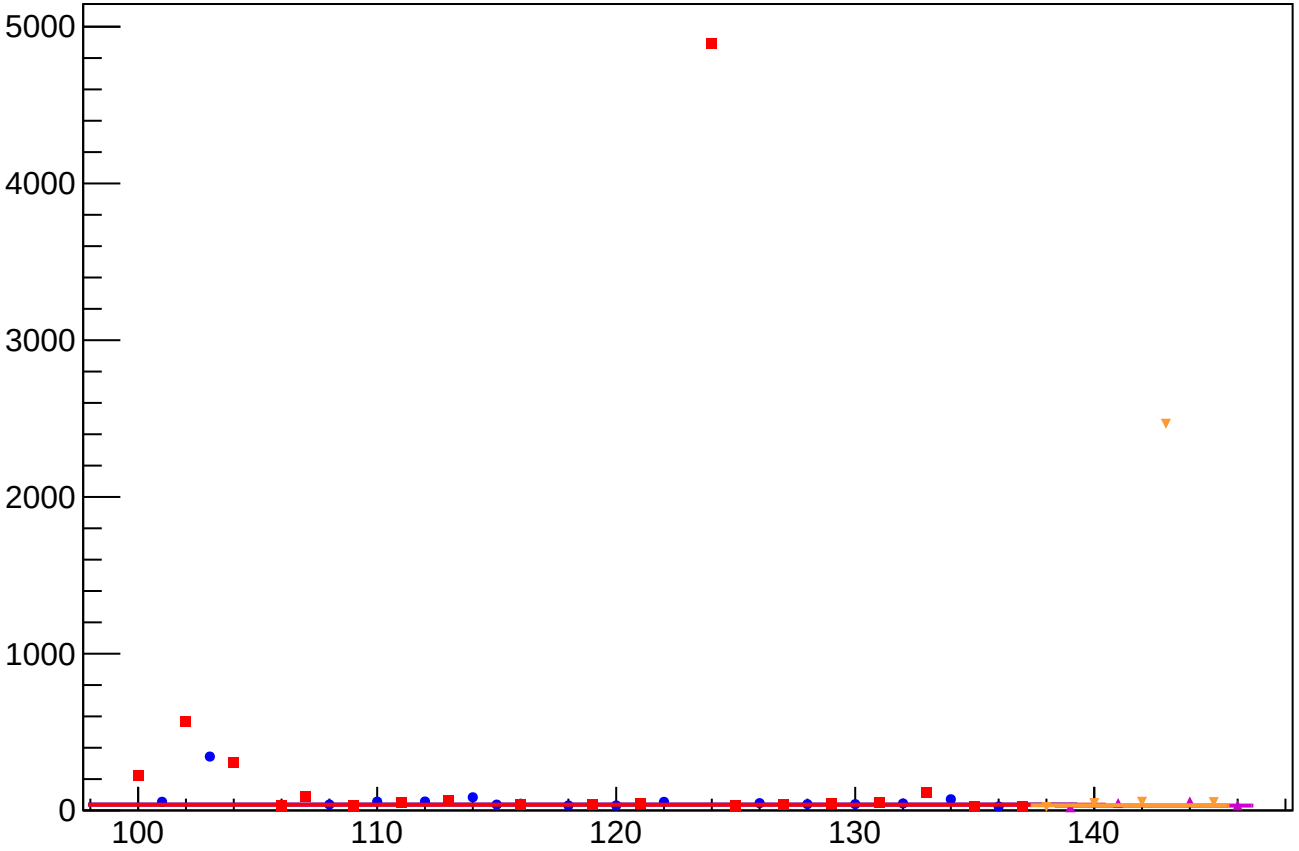
Left In: 0.011+/-0.019 χ^2/NDF:3.4/3

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.003+/-0.009 χ^2/NDF: 42.8/43

- sign -0.002+/-0.013 χ^2/NDF: 16.8/22

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

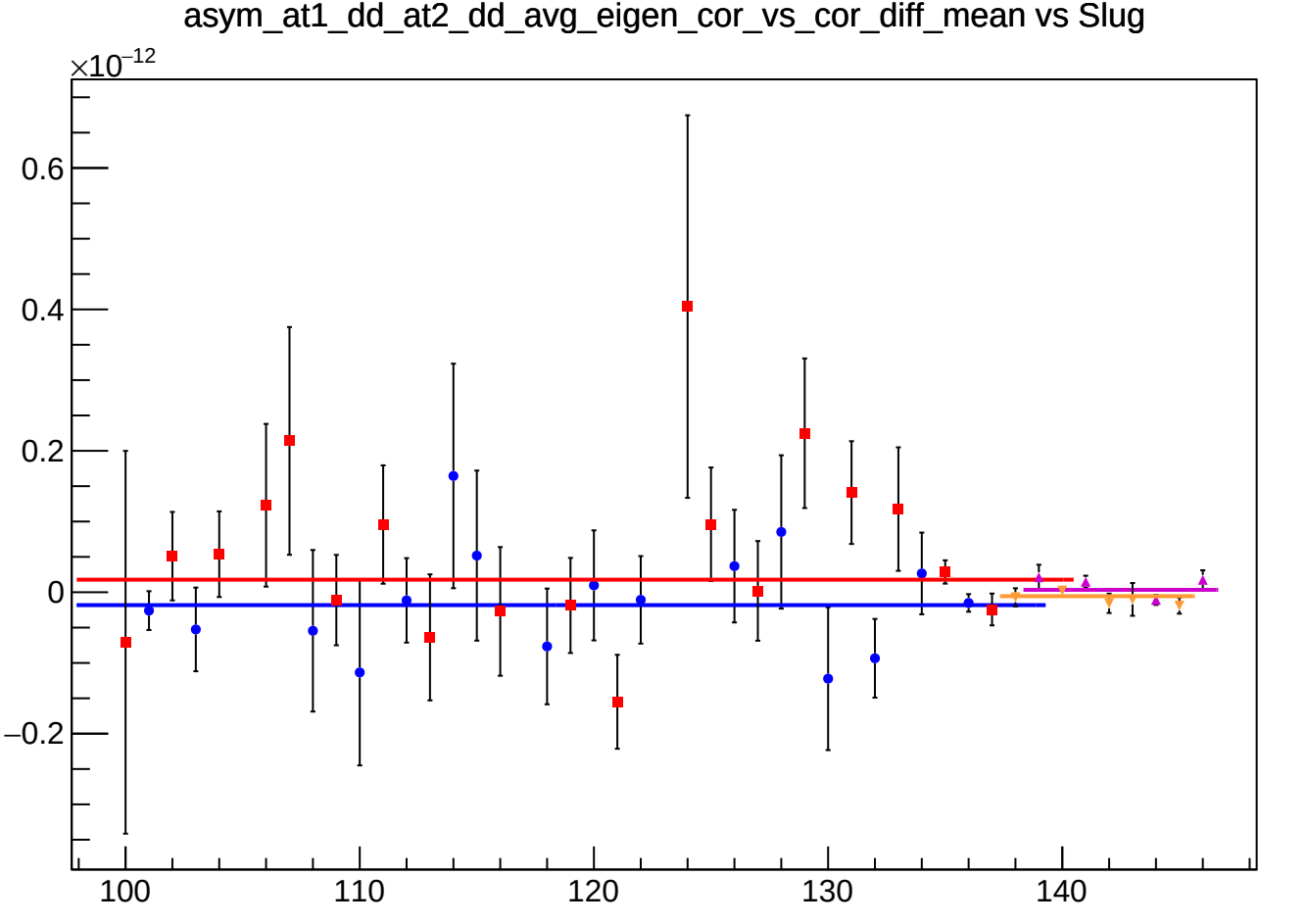
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

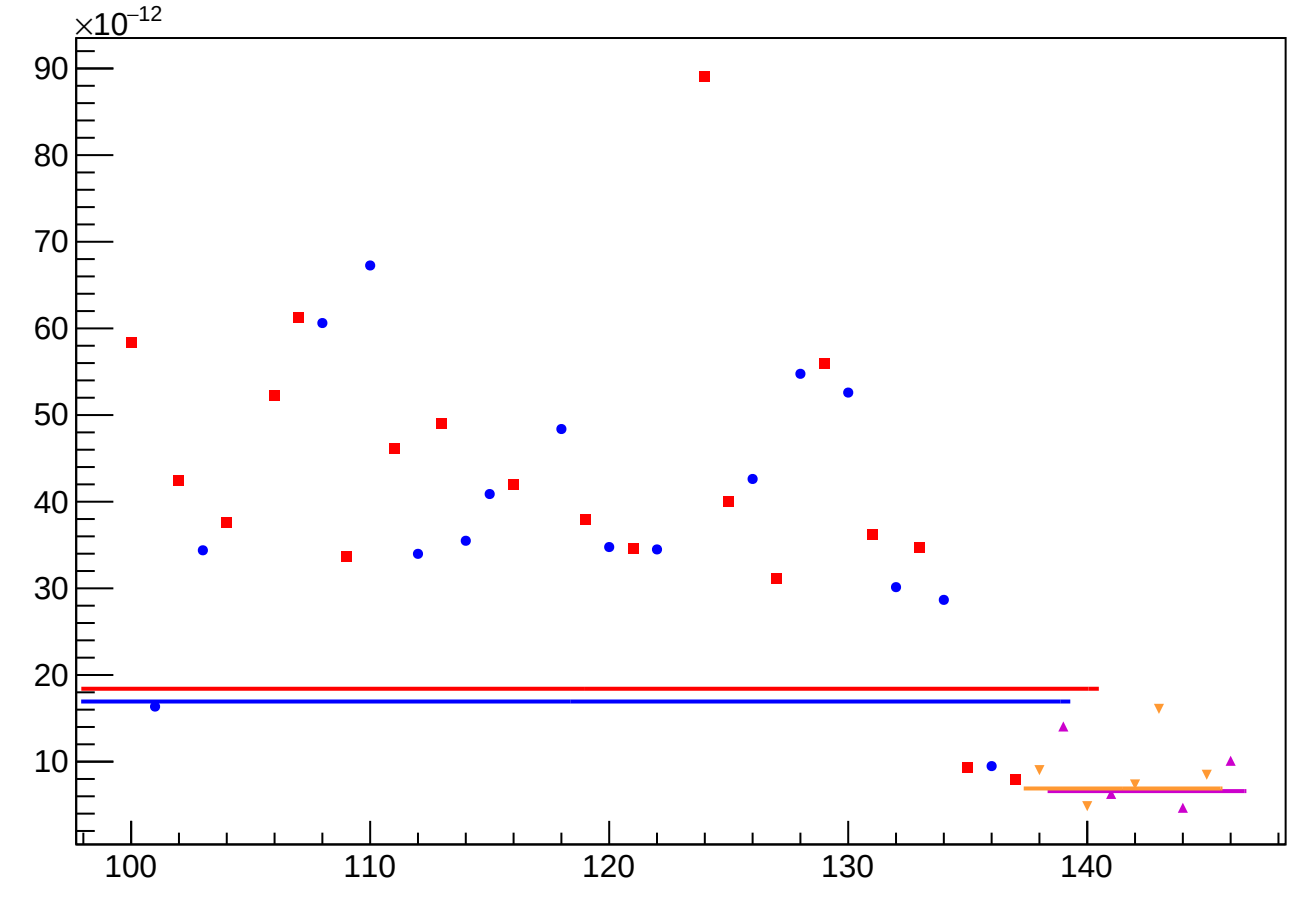
Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

+ sign 36.005+/-0.009 χ^2/NDF: 4405626.9/20

All: 35.156+/-0.006 χ^2/NDF: 8580463.9/43

- sign 34.367+/-0.009 χ^2/NDF: 4158587.5/22


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
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:3.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 27.3/18
Left In: 0.000+/-0.000 χ²/NDF:8.0/3
+ sign -0.000+/-0.000 χ²/NDF: 13.0/20
All: -0.000+/-0.000 χ²/NDF: 54.5/43
- sign 0.000+/-0.000 χ²/NDF: 36.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:594231.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

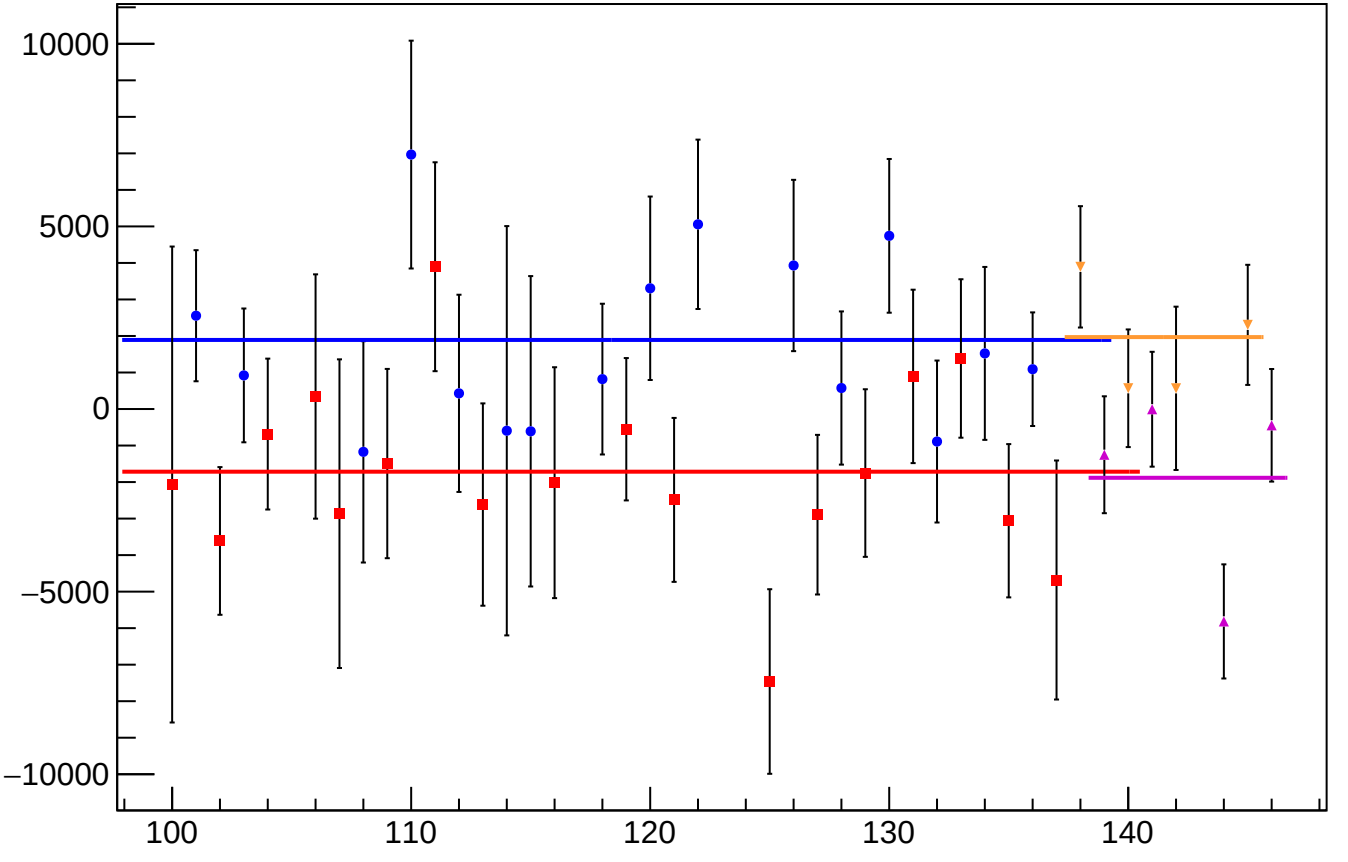
Left In: 0.000+/-0.000 χ^2/NDF:646217.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5459586.3/20

All: 0.000+/-0.000 χ^2/NDF: 11699576.9/43

- sign 0.000+/-0.000 χ^2/NDF: 6235035.7/22

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1969.462+/-871.192 χ^2/NDF:2.5/3

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

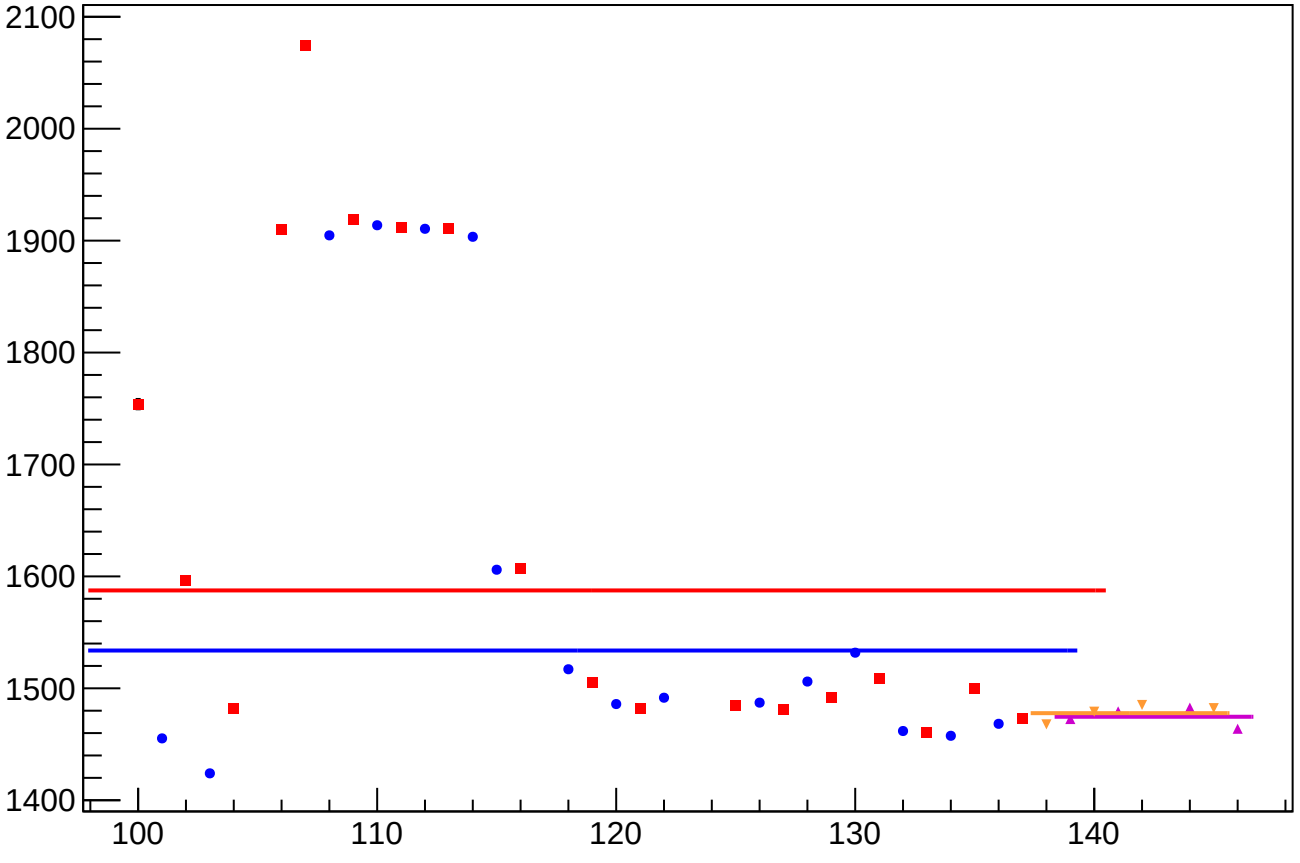
Left In: -1882.979+/-784.400 χ^2/NDF:8.8/3

+ sign 1914.968+/-478.291 χ^2/NDF: 14.8/19

All: 42.058+/-335.691 χ^2/NDF: 69.8/41

- sign -1776.214+/-471.263 χ^2/NDF: 24.8/21

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.802+/-0.616 χ^2/NDF:110.2/3

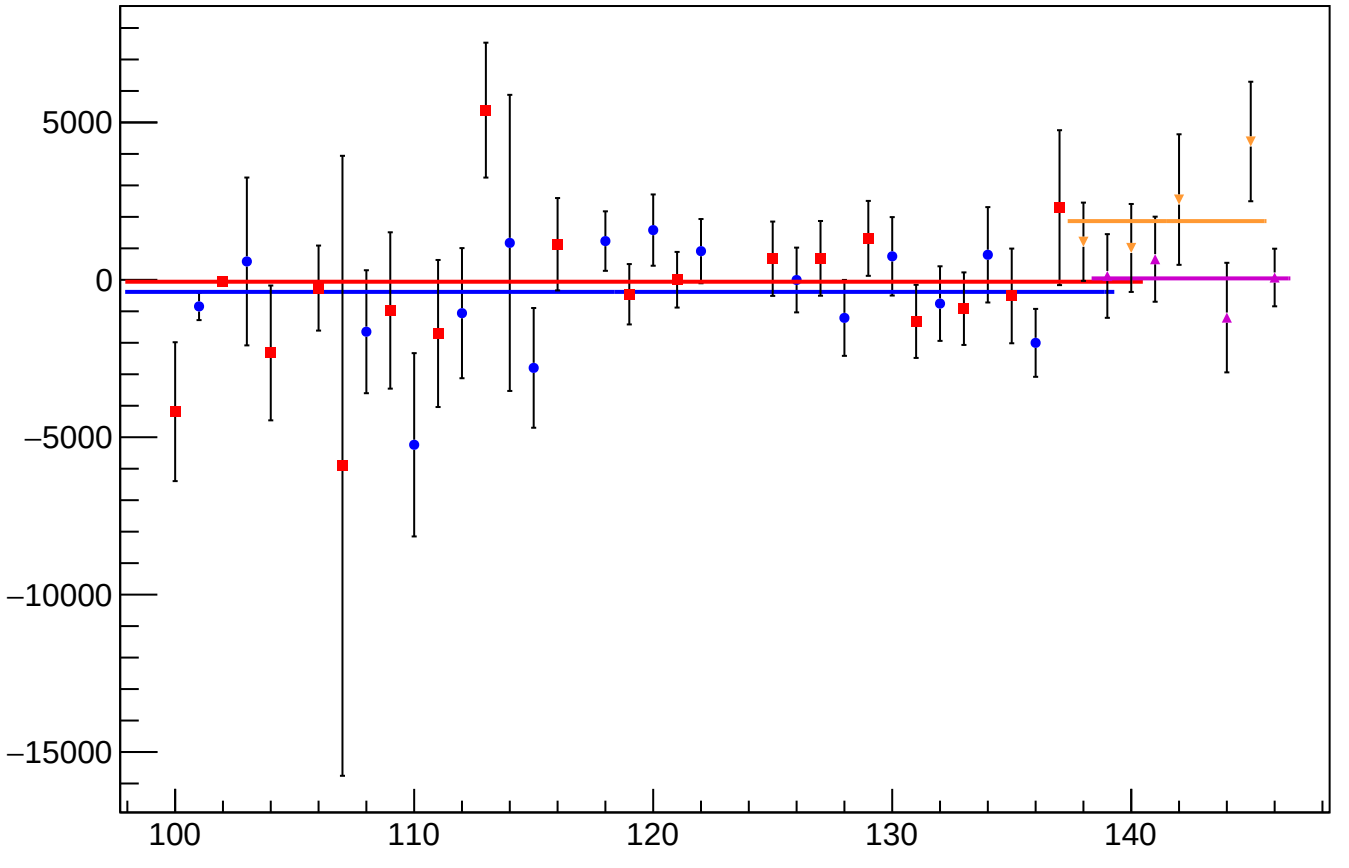
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

+ sign 1516.901+/-0.338 χ^2/NDF: 135148.3/19

All: 1532.031+/-0.237 χ^2/NDF: 337718.8/41

- sign 1546.719+/-0.333 χ^2/NDF: 198626.4/21



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1865.565+/-773.940 χ^2/NDF:2.5/3

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

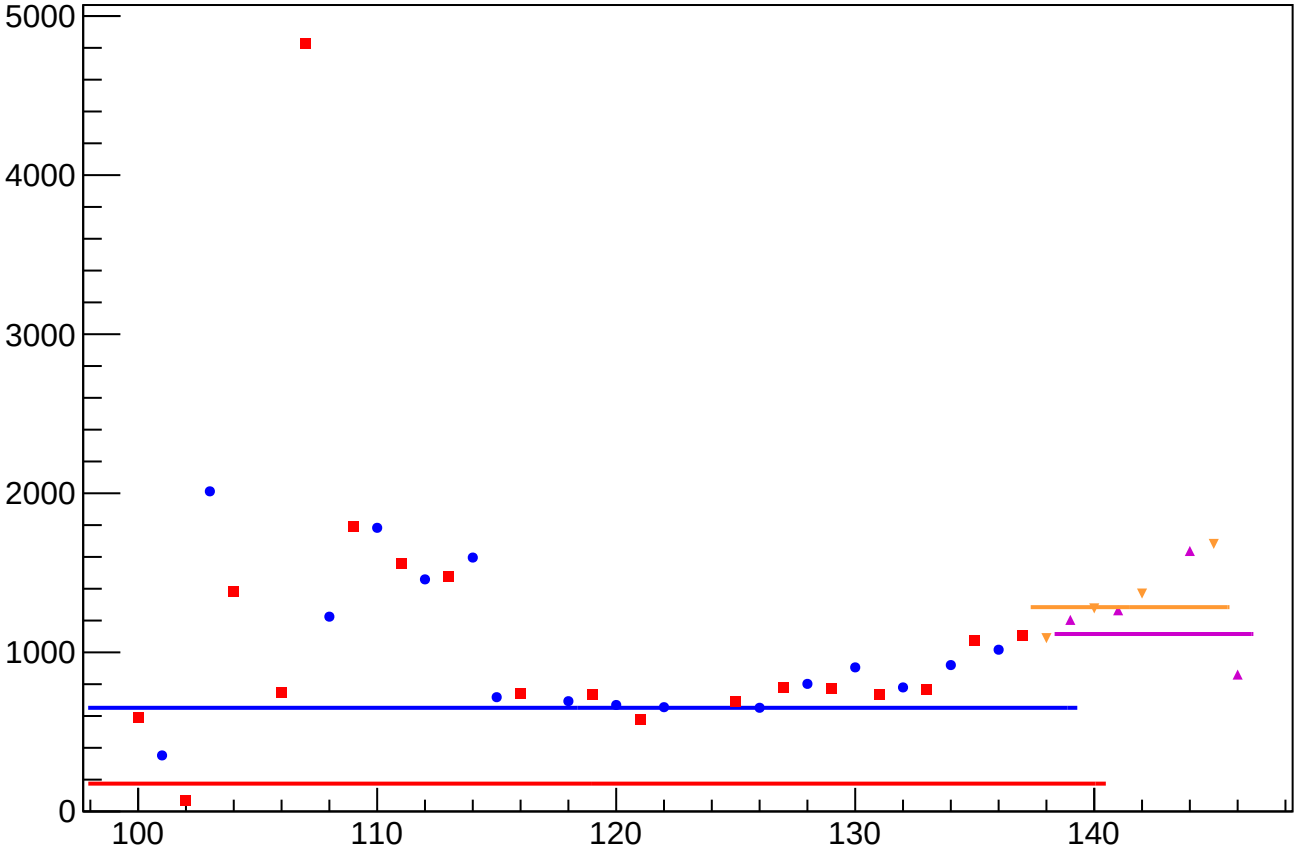
Left In: 45.604+/-615.732 χ^2/NDF:0.7/3

+ sign -135.272+/-256.789 χ^2/NDF: 28.2/19

All: -70.884+/-112.420 χ^2/NDF: 46.8/41

- sign -55.617+/-125.040 χ^2/NDF: 18.5/21

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1284.280+/-0.547 χ^2/NDF:140210.1/3

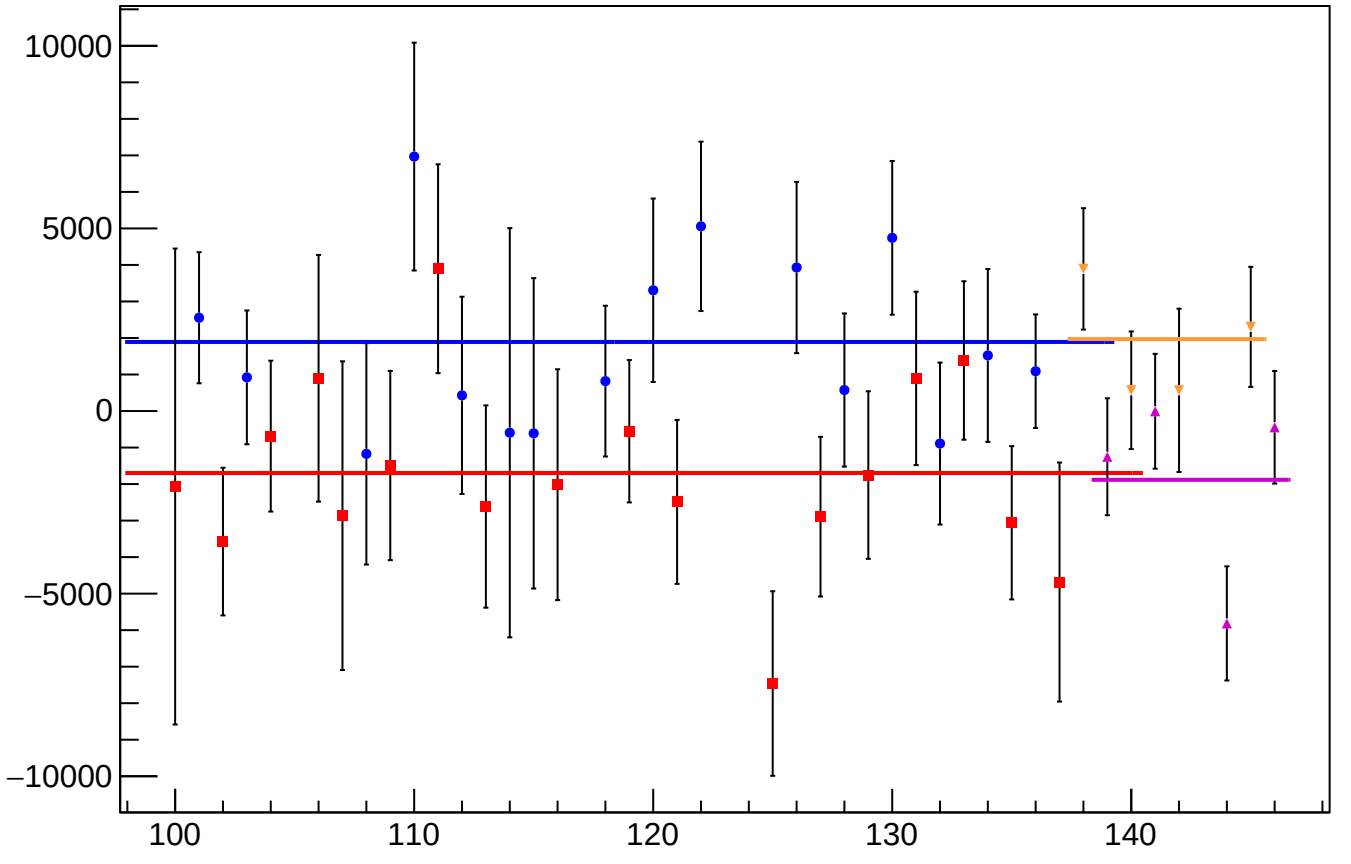
Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1115.453+/-0.435 χ^2/NDF:368370.5/3

+ sign 721.181+/-0.182 χ^2/NDF: 4092562.2/19

All: 310.954+/-0.079 χ^2/NDF: 25010899.6/41

- sign 213.686+/-0.088 χ^2/NDF: 14603900.3/21



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1969.558+/-871.192 χ^2/NDF:2.5/3

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

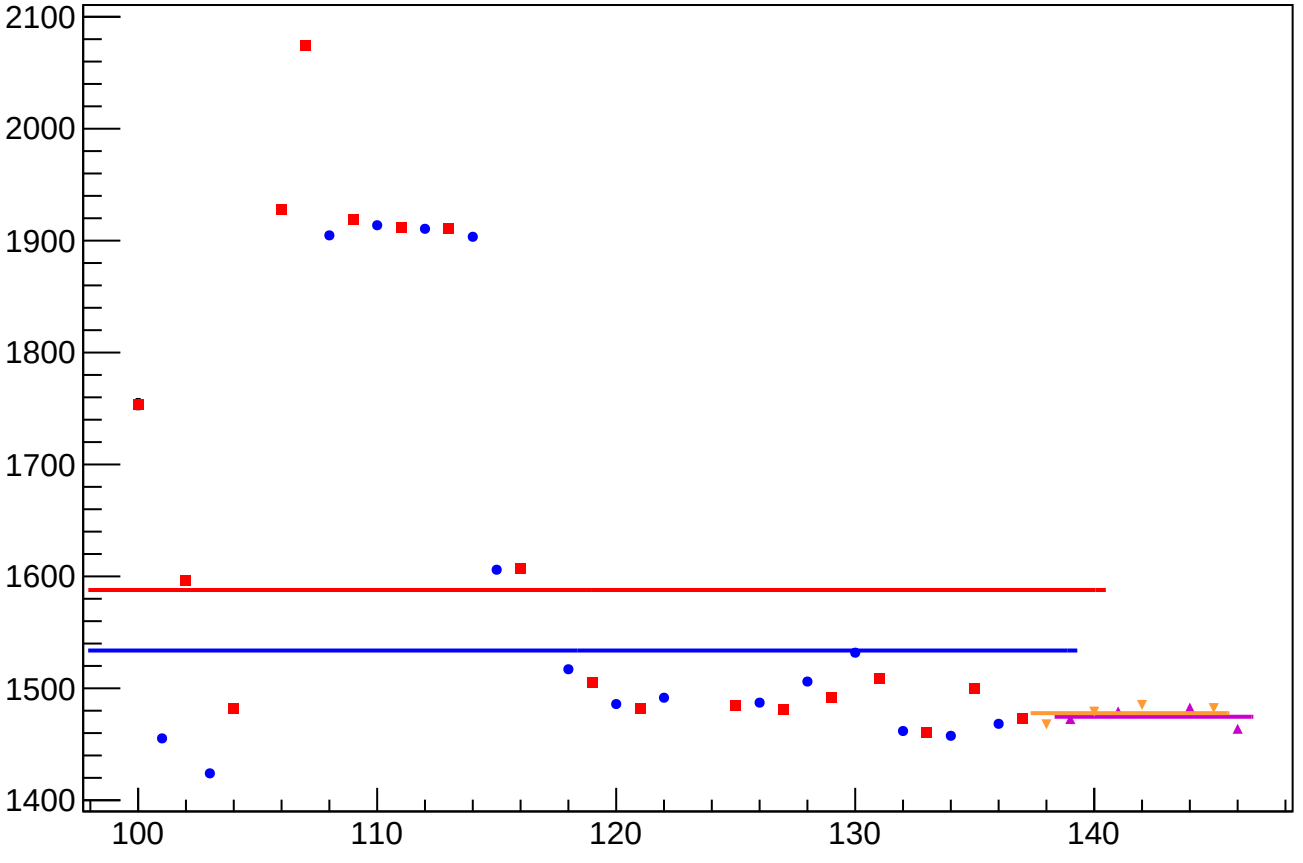
Left In: -1883.041+/-784.400 χ^2/NDF:8.8/3

+ sign 1915.071+/-478.291 χ^2/NDF: 14.8/19

All: 48.580+/-335.724 χ^2/NDF: 69.8/41

- sign -1764.170+/-471.356 χ^2/NDF: 25.0/21

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.802+/-0.616 χ^2/NDF:110.2/3

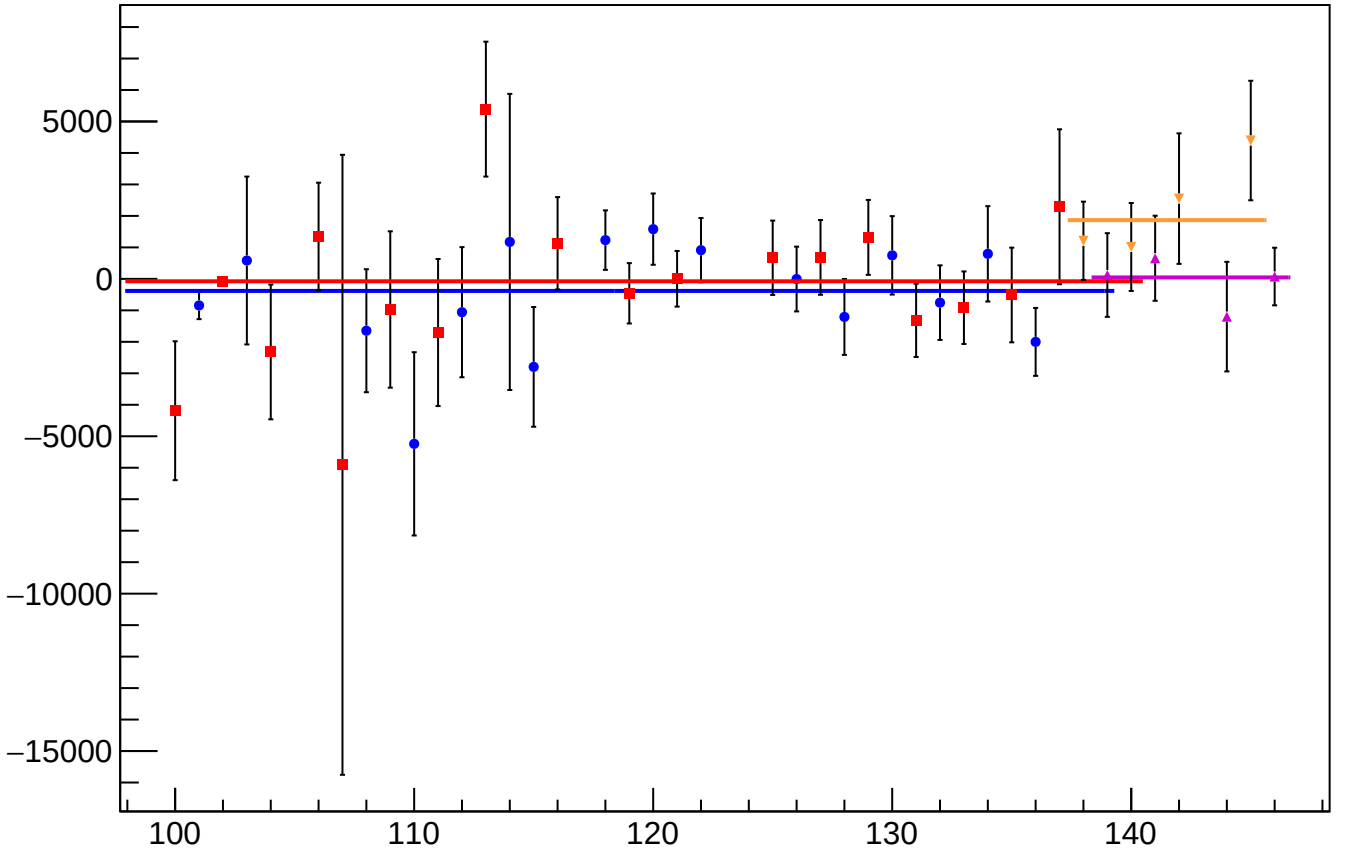
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

+ sign 1516.901+/-0.338 χ^2/NDF: 135148.2/19

All: 1532.145+/-0.237 χ^2/NDF: 339732.6/41

- sign 1546.949+/-0.333 χ^2/NDF: 200580.0/21



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1865.664+/-773.942 χ^2/NDF:2.5/3

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

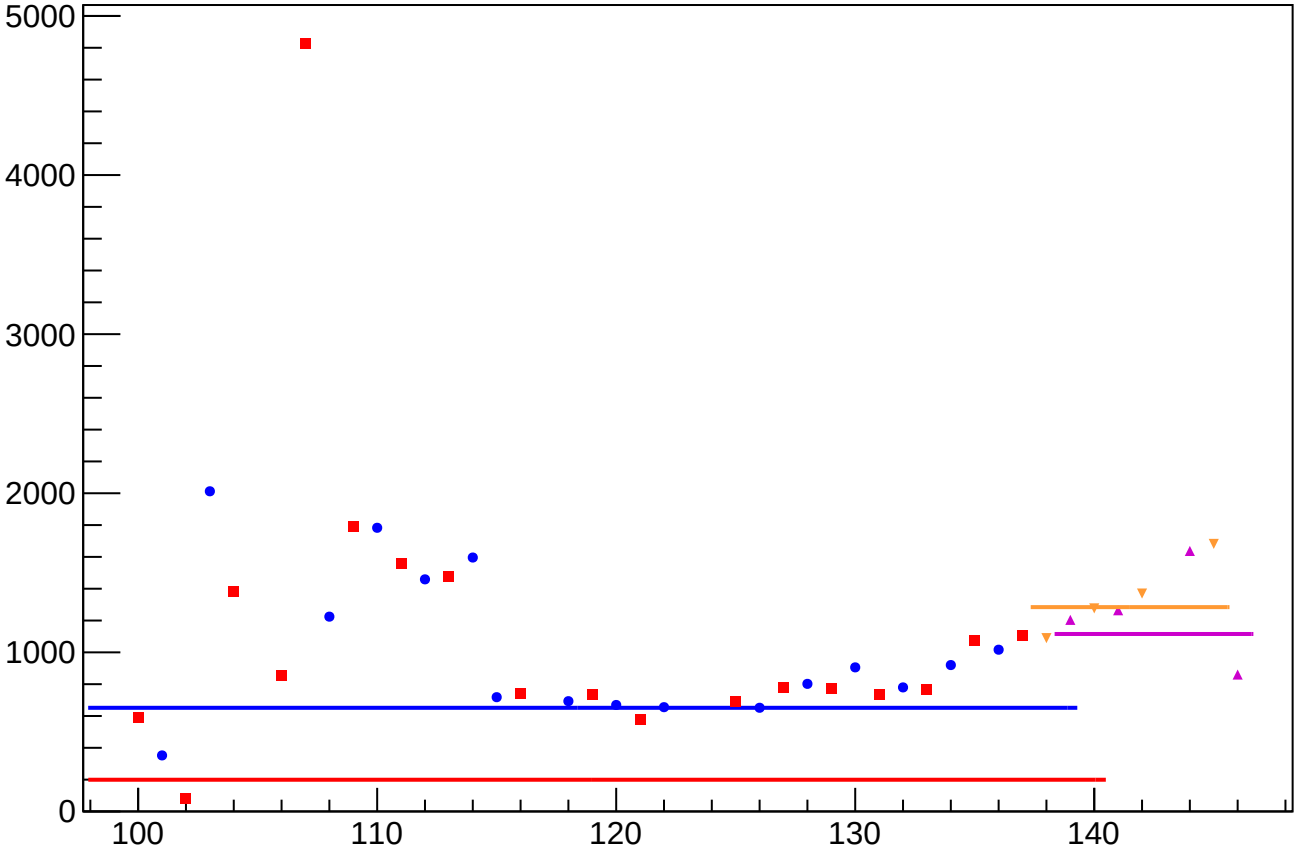
Left In: 45.625+/-615.728 χ^2/NDF:0.7/3

+ sign -135.240+/-256.789 χ^2/NDF: 28.2/19

All: -84.789+/-119.345 χ^2/NDF: 47.5/41

- sign -70.890+/-134.787 χ^2/NDF: 19.2/21

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1284.285+/-0.547 χ^2/NDF:140205.9/3

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

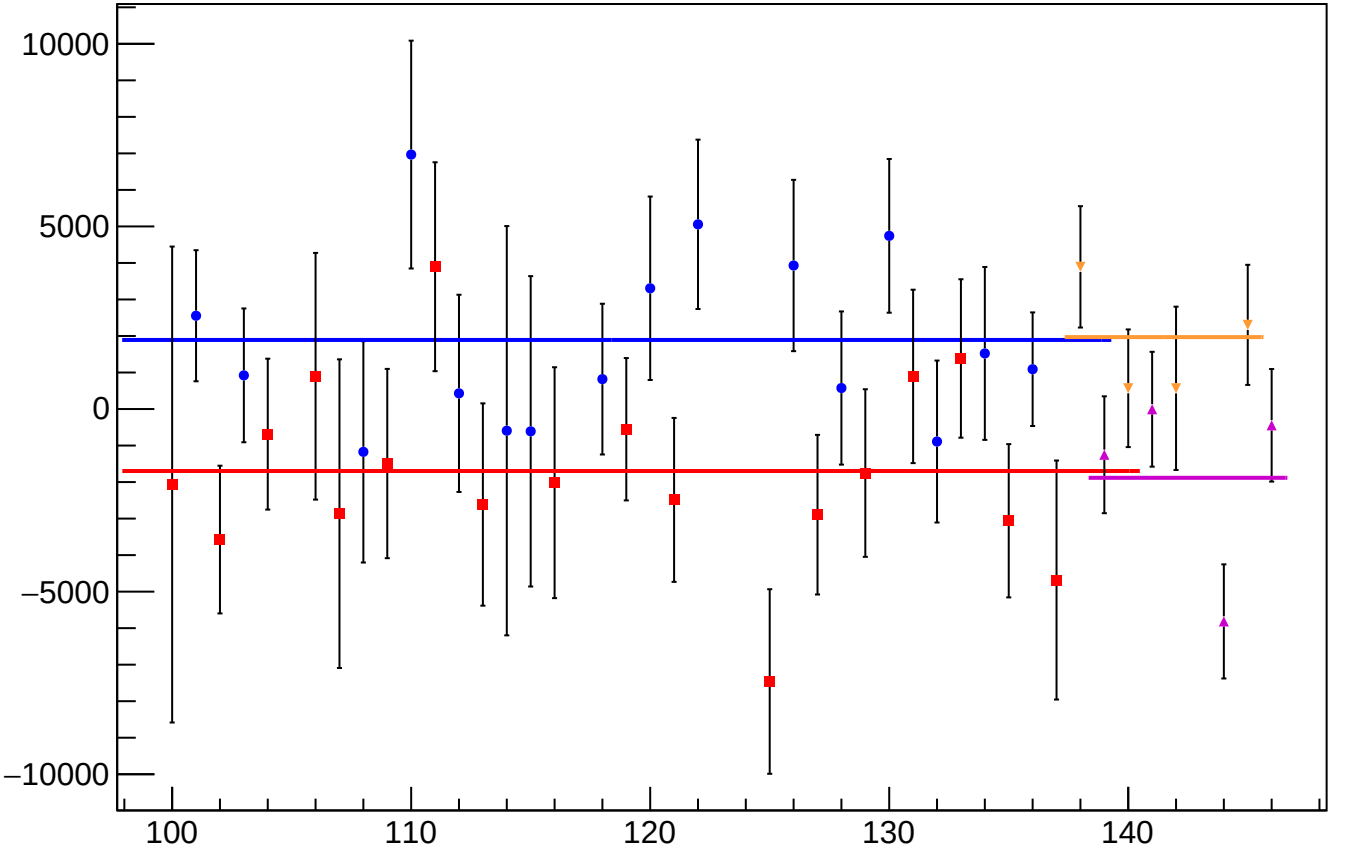
Left In: 1115.444+/-0.435 χ^2/NDF:368390.9/3

+ sign 721.180+/-0.182 χ^2/NDF: 4092602.2/19

All: 346.478+/-0.084 χ^2/NDF: 23392602.8/41

- sign 243.243+/-0.095 χ^2/NDF: 13868319.5/21

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1969.558+/-871.192 χ^2/NDF:2.5/3

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

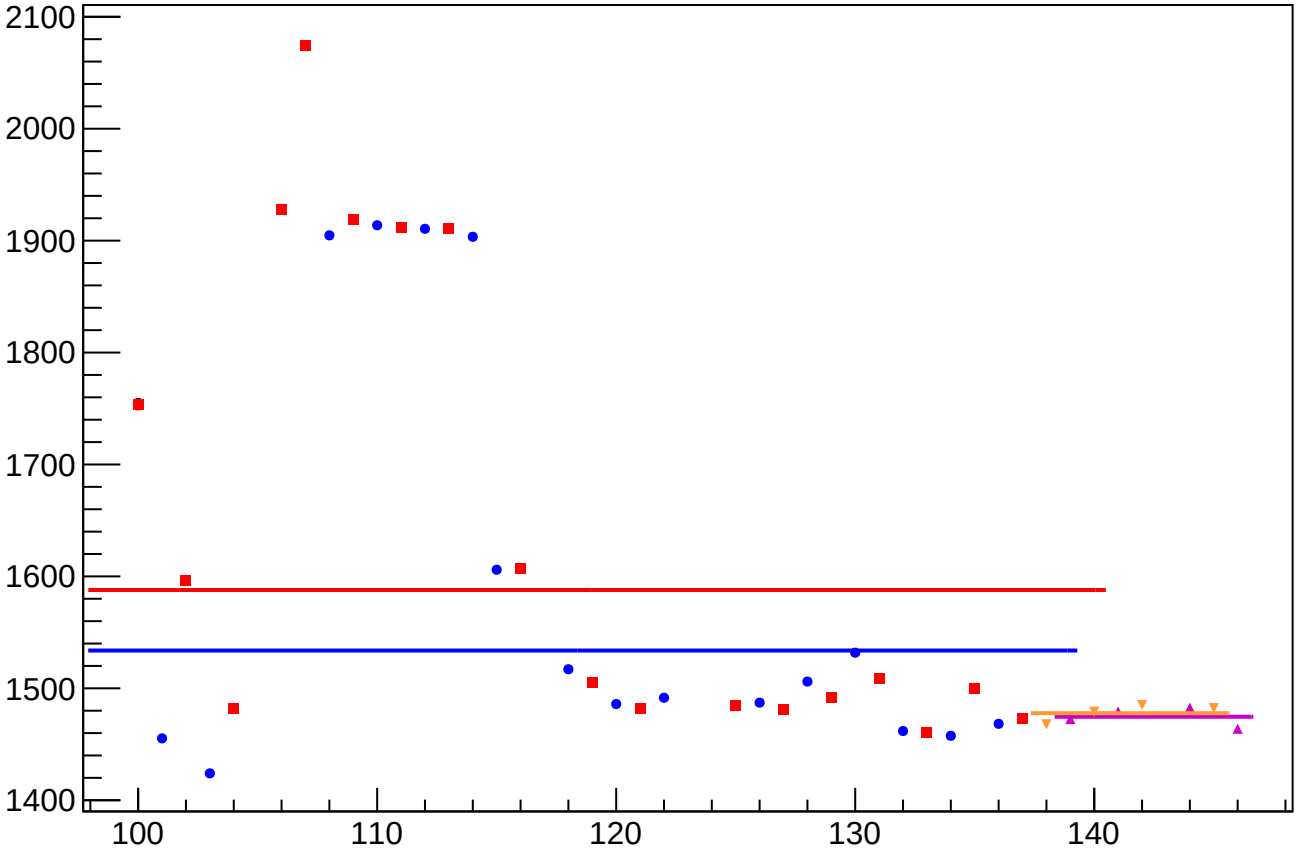
Left In: -1883.041+/-784.400 χ^2/NDF:8.8/3

+ sign 1915.071+/-478.291 χ^2/NDF: 14.8/19

All: 48.580+/-335.724 χ^2/NDF: 69.8/41

- sign -1764.170+/-471.356 χ^2/NDF: 25.0/21

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.802+/-0.616 χ^2/NDF:110.2/3

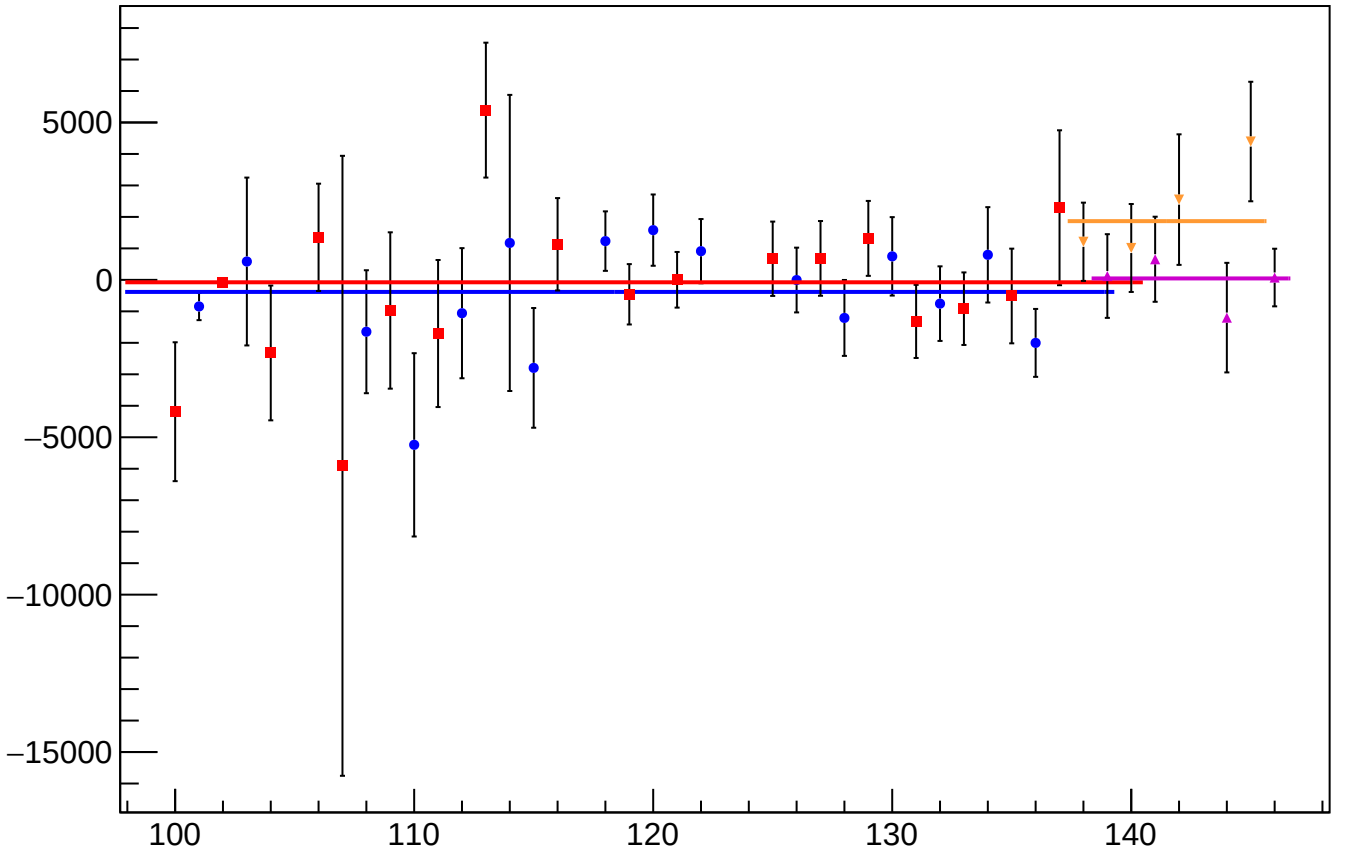
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

+ sign 1516.901+/-0.338 χ^2/NDF: 135148.2/19

All: 1532.145+/-0.237 χ^2/NDF: 339732.6/41

- sign 1546.949+/-0.333 χ^2/NDF: 200580.0/21



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1865.664+/-773.942 χ^2/NDF:2.5/3

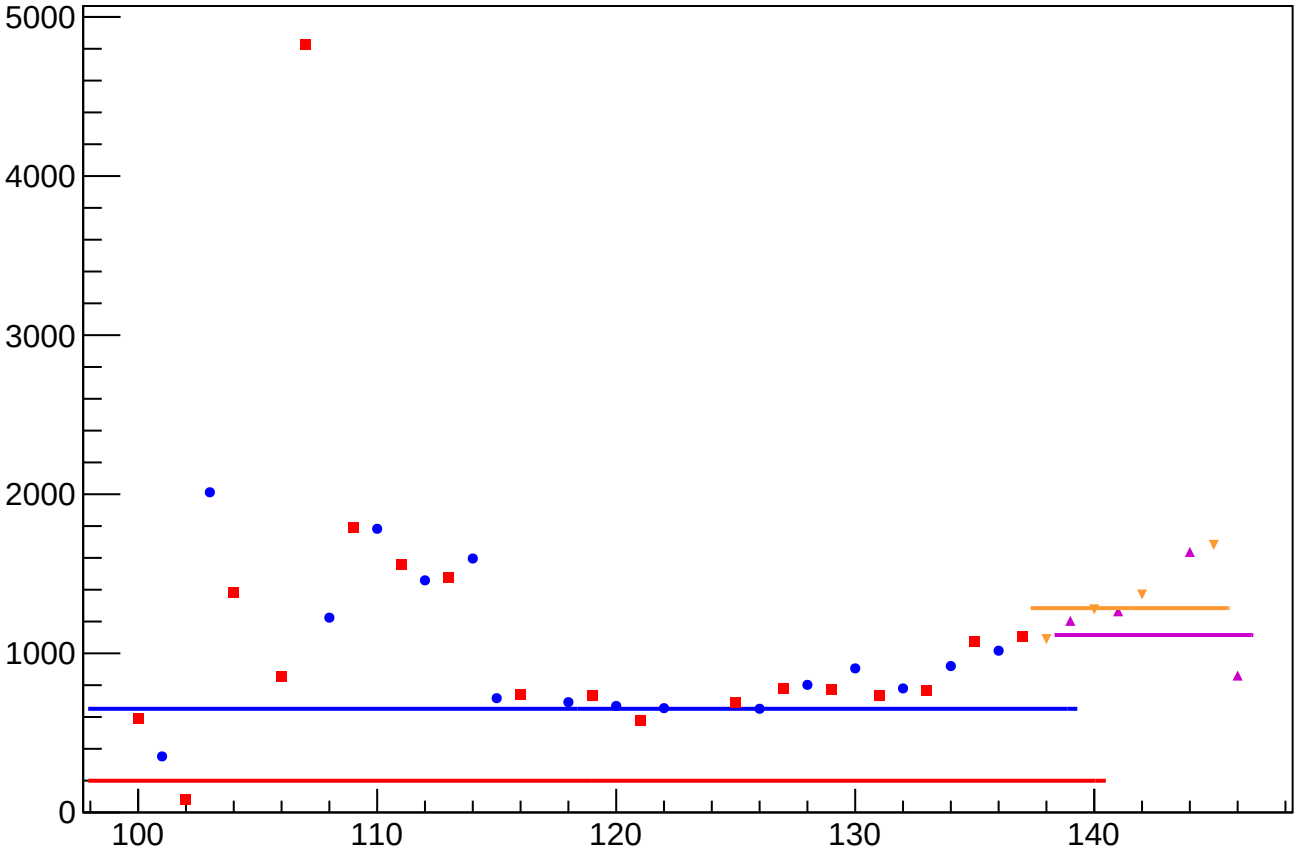
Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 45.625+/-615.728 χ^2/NDF:0.7/3

+ sign -135.240+/-256.789 χ^2/NDF: 28.2/19

All: -84.789+/-119.345 χ^2/NDF: 47.5/41

- sign -70.890+/-134.787 χ^2/NDF: 19.2/21



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1284.285+/-0.547 χ^2/NDF:140205.9/3

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

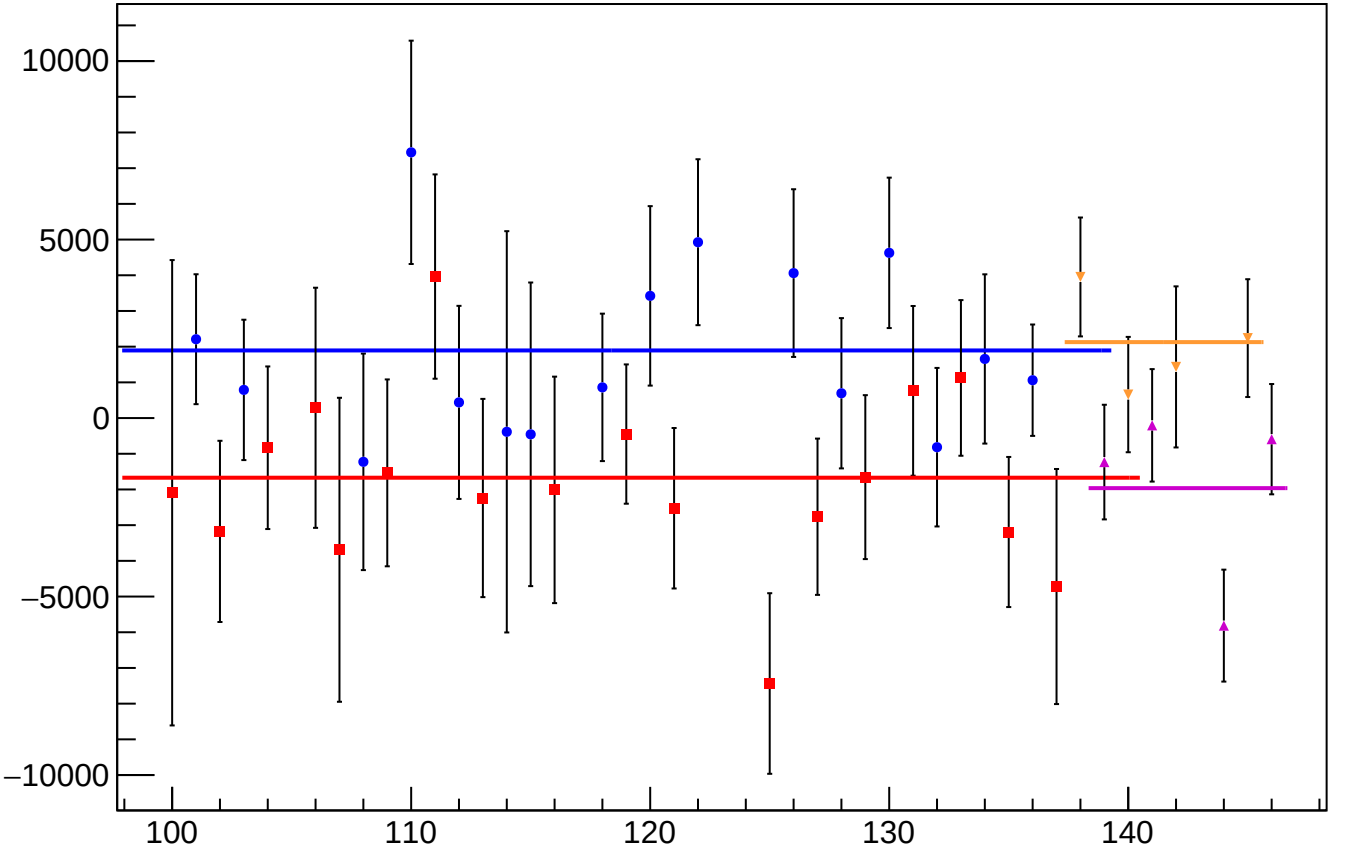
Left In: 1115.444+/-0.435 χ^2/NDF:368390.9/3

+ sign 721.180+/-0.182 χ^2/NDF: 4092602.2/19

All: 346.478+/-0.084 χ^2/NDF: 23392602.8/41

- sign 243.243+/-0.095 χ^2/NDF: 13868319.5/21

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2127.592+/-874.552 χ^2/NDF:2.1/3

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

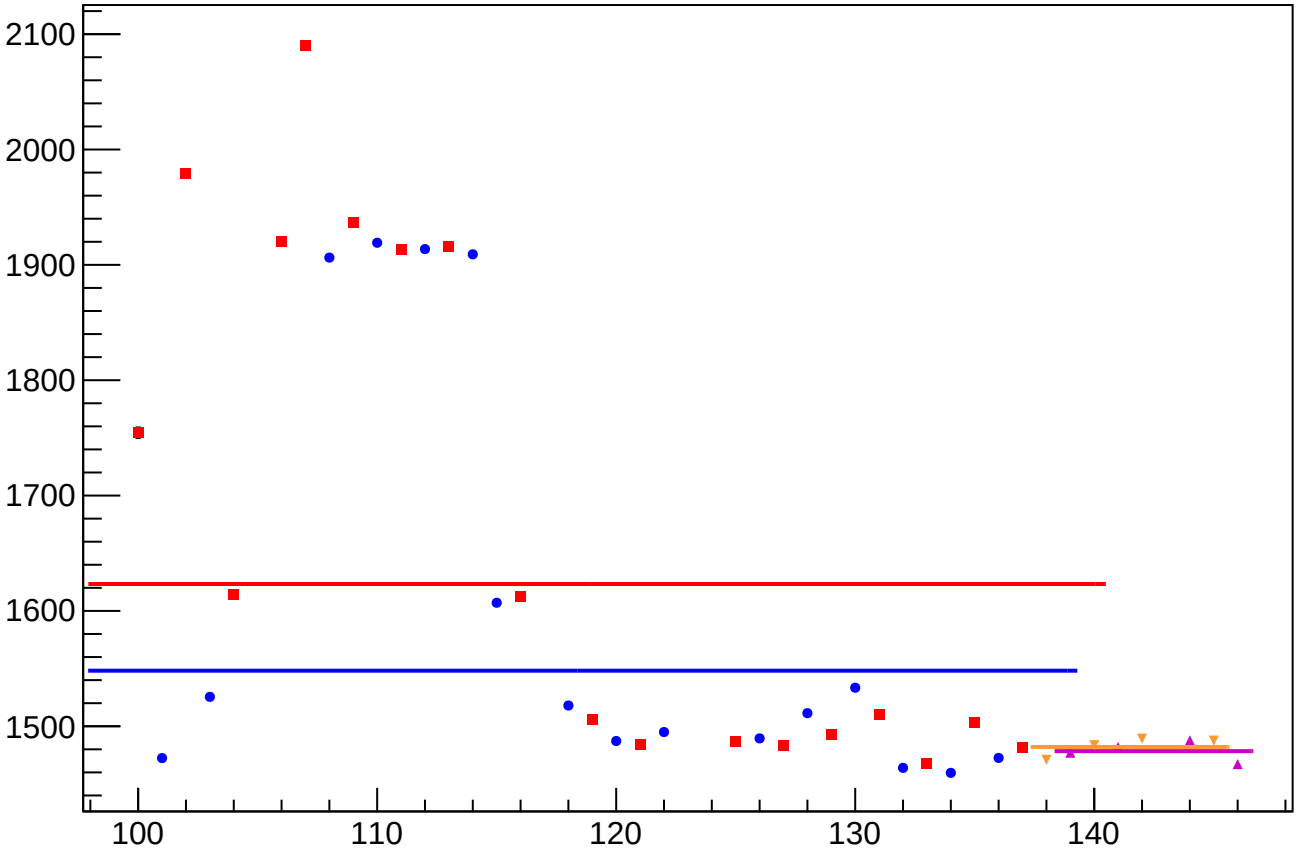
Left In: -1963.026+/-786.487 χ^2/NDF:8.3/3

+ sign 1965.070+/-481.988 χ^2/NDF: 14.5/19

All: 82.925+/-339.917 χ^2/NDF: 68.2/41

- sign -1779.484+/-479.454 χ^2/NDF: 23.4/21

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.059+/-0.618 χ^2/NDF:133.3/3

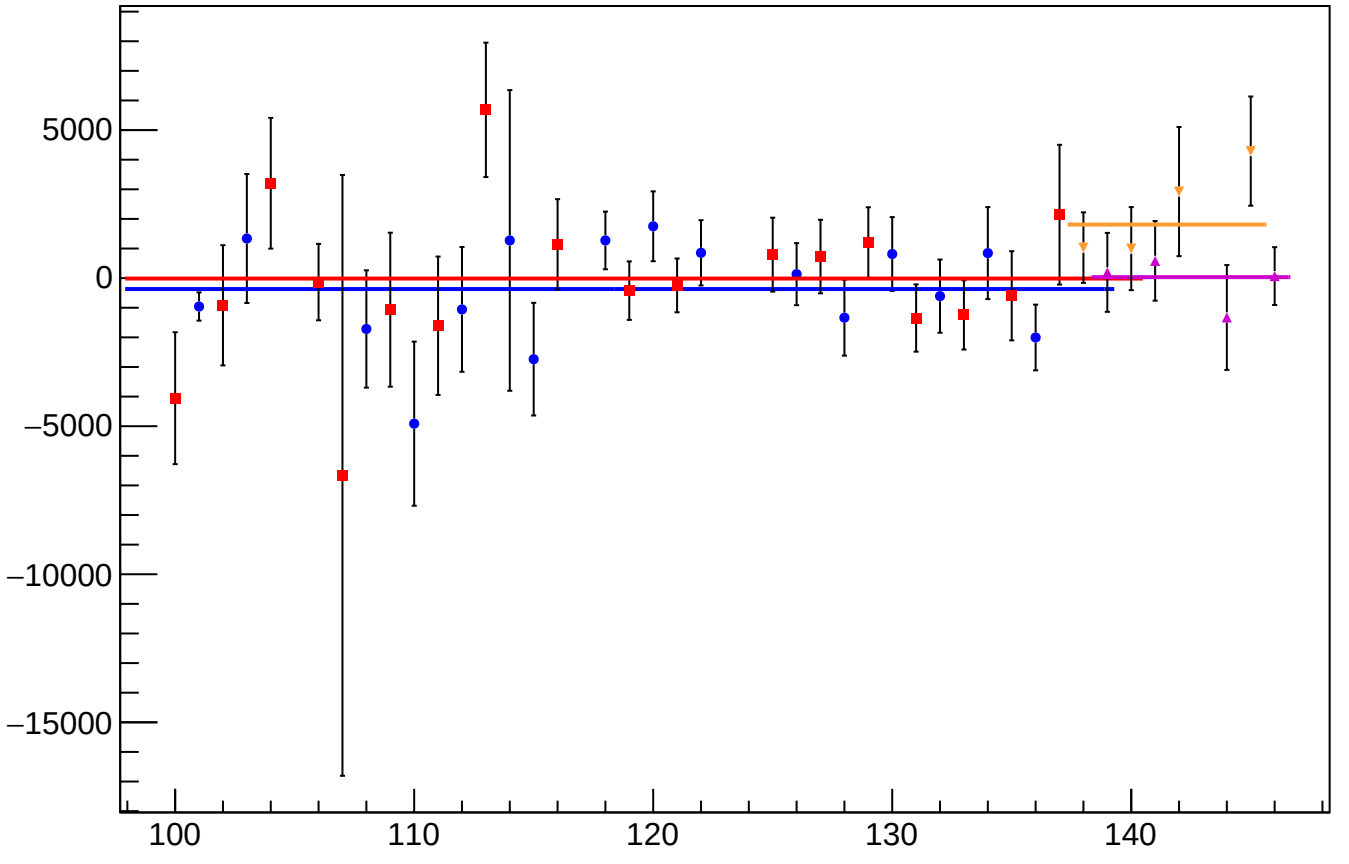
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1478.443+/-0.556 χ^2/NDF:187.7/3

+ sign 1528.092+/-0.341 χ^2/NDF: 127997.0/19

All: 1548.898+/-0.240 χ^2/NDF: 389783.7/41

- sign 1569.486+/-0.339 χ^2/NDF: 254372.2/21



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 1809.536+/-762.707 χ^2/NDF:2.8/3

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

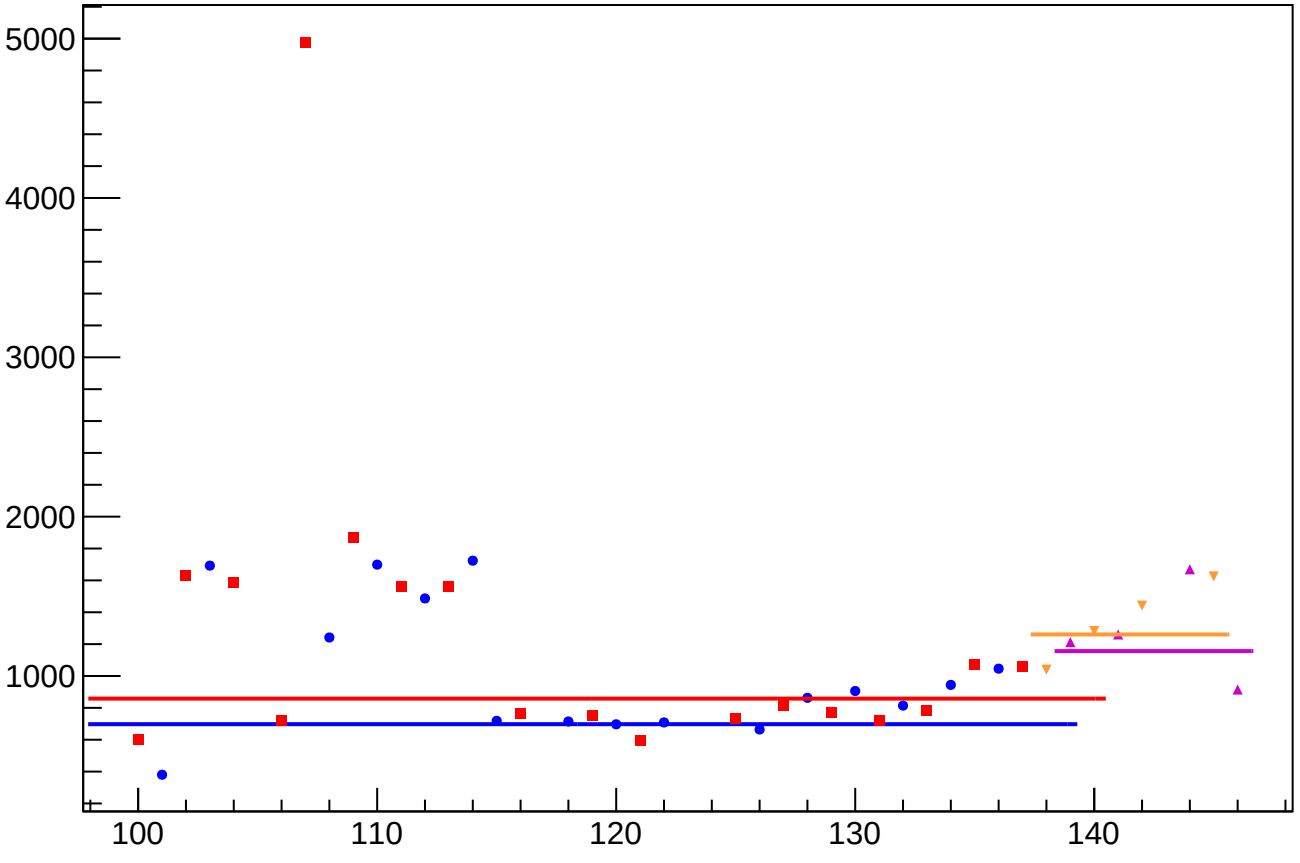
Left In: 32.947+/-634.579 χ^2/NDF:0.8/3

\+ sign -99.233+/-268.265 χ^2/NDF: 28.9/19

All: -56.703+/-200.200 χ^2/NDF: 48.8/41

\- sign -3.244+/-300.767 χ^2/NDF: 19.8/21

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1260.606+/-0.539 χ^2/NDF:161207.4/3

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

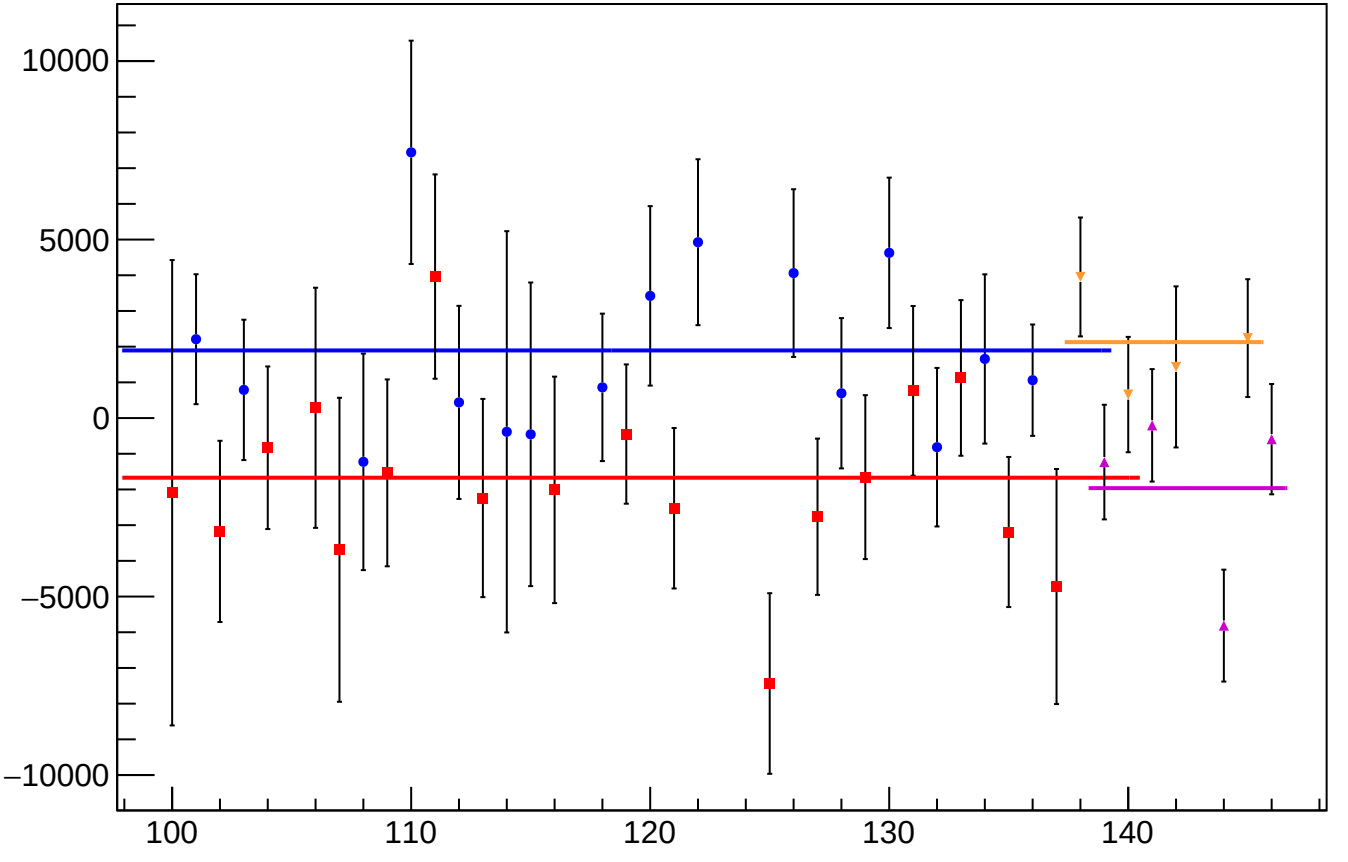
Left In: 1156.302+/-0.449 χ^2/NDF:305892.1/3

+ sign 767.178+/-0.190 χ^2/NDF: 3552056.5/19

All: 837.141+/-0.142 χ^2/NDF: 6389590.7/41

- sign 925.085+/-0.213 χ^2/NDF: 2530507.0/21

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2127.597+/-874.552 χ^2/NDF:2.1/3

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

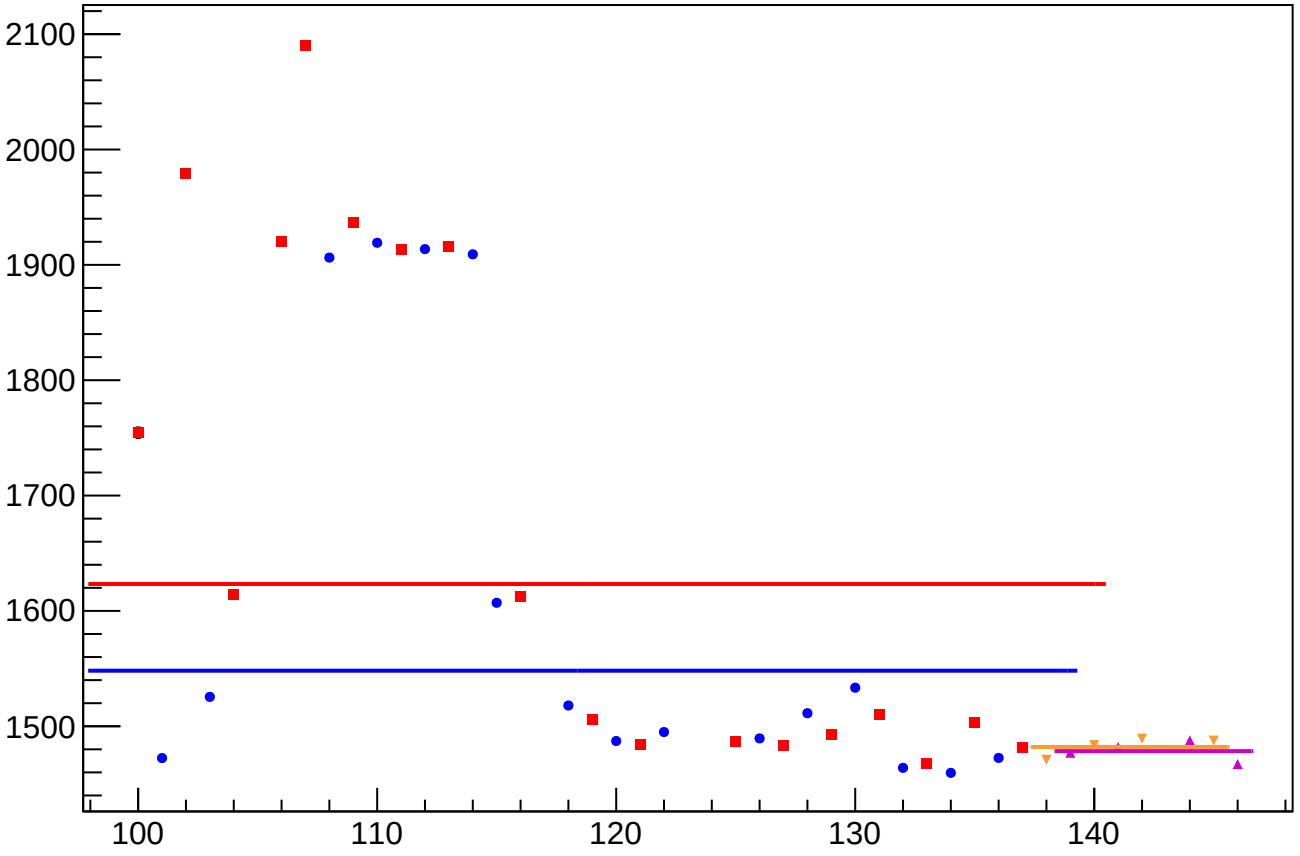
Left In: -1963.026+/-786.487 χ^2/NDF:8.3/3

+ sign 1965.070+/-481.988 χ^2/NDF: 14.5/19

All: 82.925+/-339.917 χ^2/NDF: 68.2/41

- sign -1779.482+/-479.454 χ^2/NDF: 23.4/21

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.059+/-0.618 χ^2/NDF:133.3/3

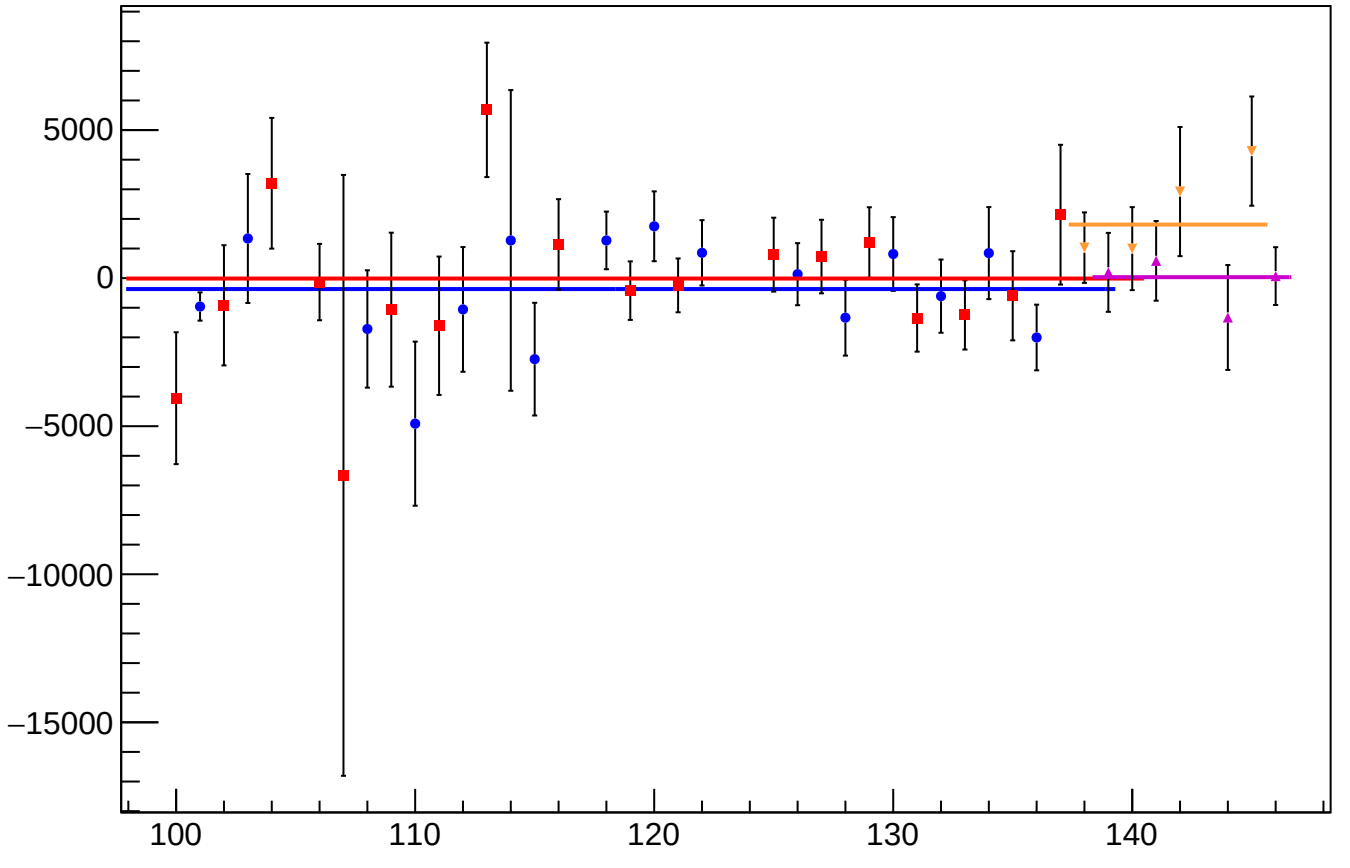
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.443+/-0.556 χ^2/NDF:187.7/3

+ sign 1528.092+/-0.341 χ^2/NDF: 127997.0/19

All: 1548.898+/-0.240 χ^2/NDF: 389783.4/41

- sign 1569.486+/-0.339 χ^2/NDF: 254371.8/21



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 1809.540+/-762.708 χ^2/NDF:2.8/3

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

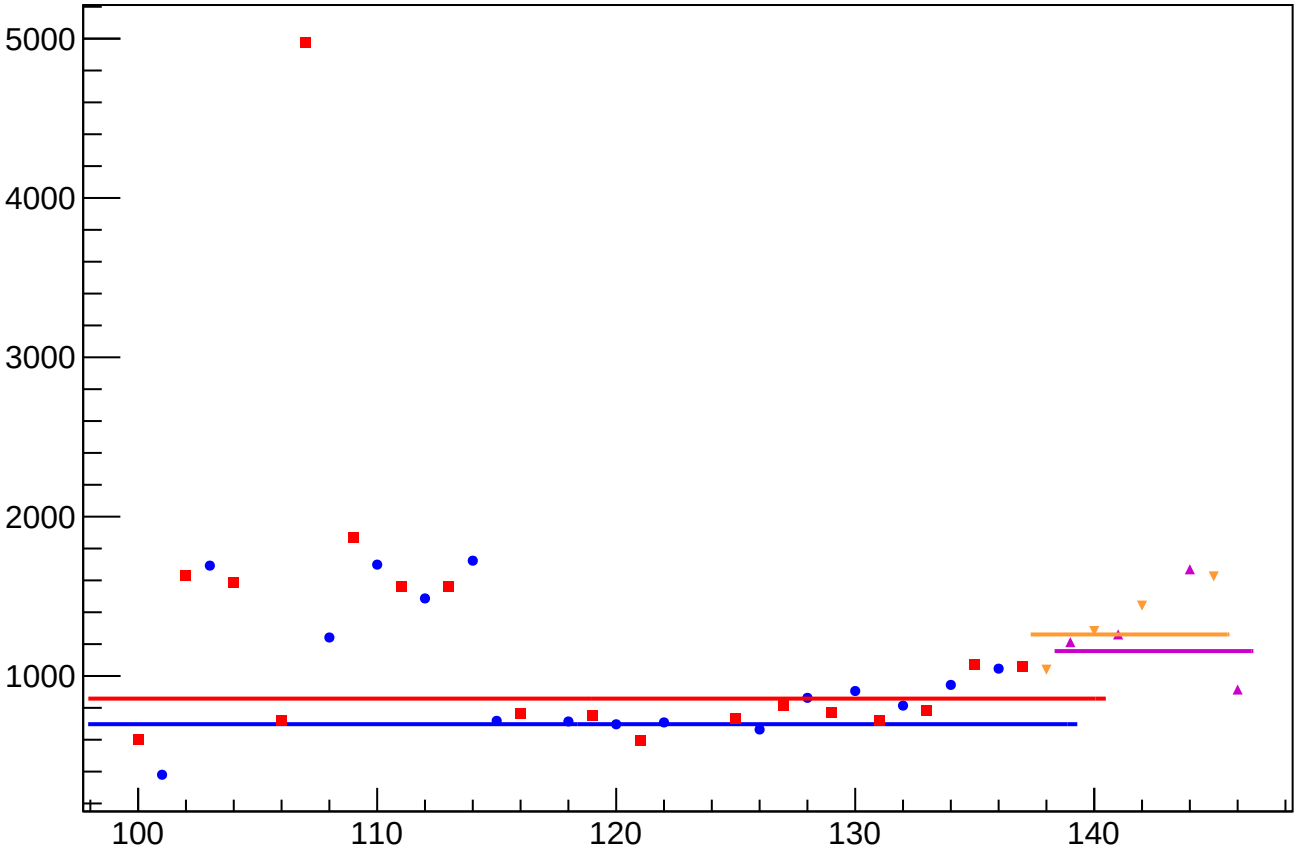
Left In: 32.948+/-634.579 χ^2/NDF:0.8/3

+ sign -99.232+/-268.265 χ^2/NDF: 28.9/19

All: -56.703+/-200.200 χ^2/NDF: 48.8/41

- sign -3.244+/-300.766 χ^2/NDF: 19.8/21

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1260.608+/-0.539 χ^2/NDF:161208.1/3

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

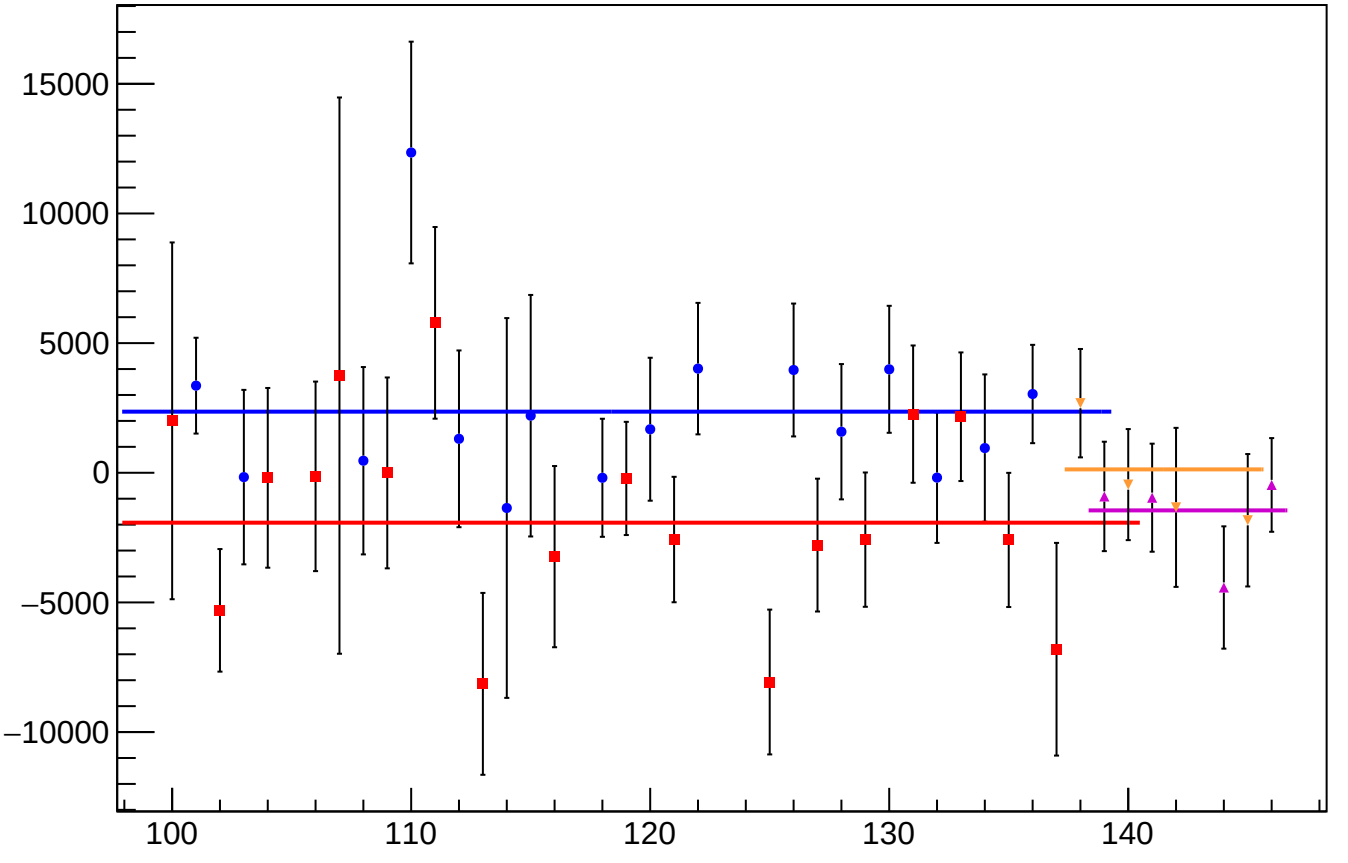
Left In: 1156.304+/-0.449 χ^2/NDF:305891.8/3

+ sign 767.178+/-0.190 χ^2/NDF: 3552053.0/19

All: 837.141+/-0.142 χ^2/NDF: 6389598.9/41

- sign 925.084+/-0.213 χ^2/NDF: 2530523.3/21

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 130.181+/-1189.689 χ^2/NDF:2.4/3

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

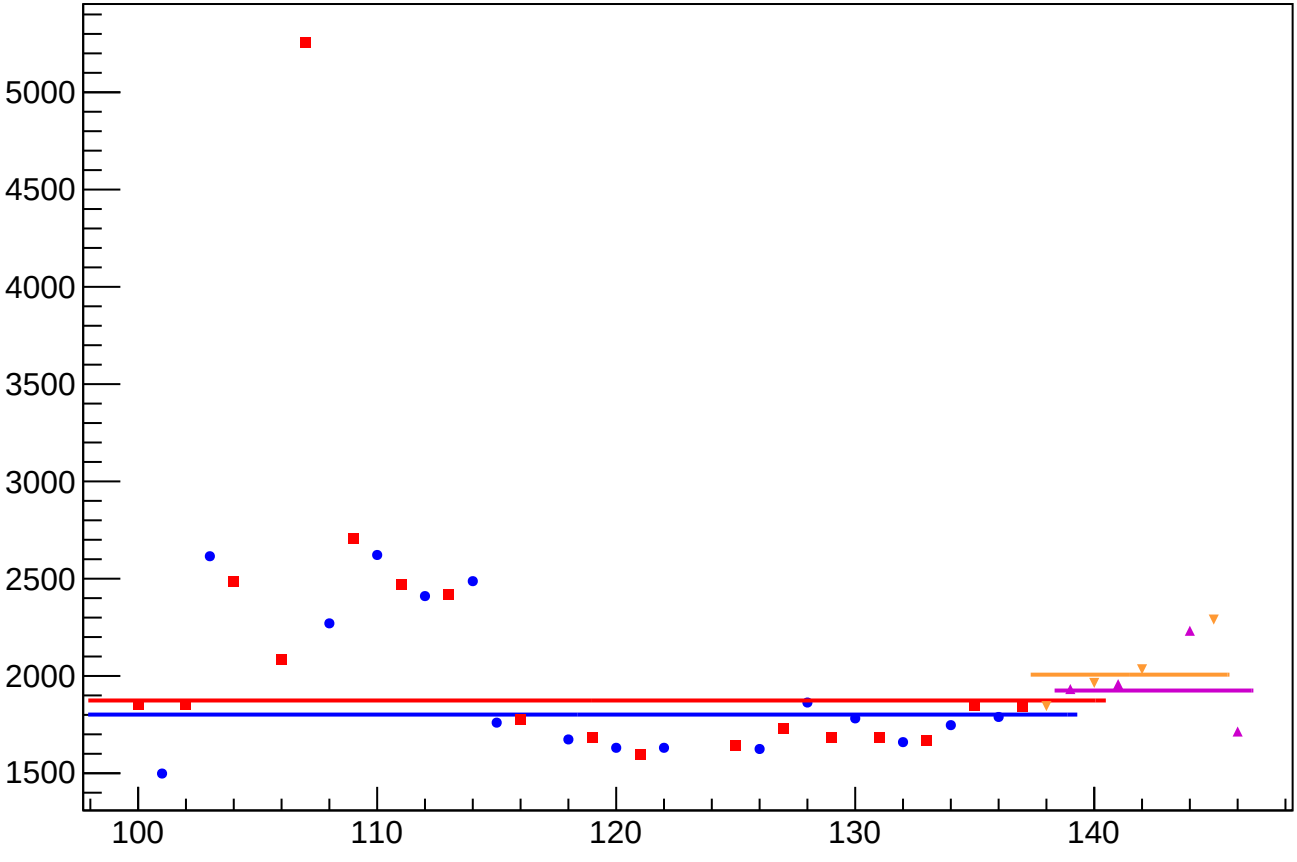
Left In: -1450.881+/-1030.751 χ^2/NDF:2.0/3

+ sign 1809.926+/-589.676 χ^2/NDF: 16.0/19

All: -2.291+/-414.556 χ^2/NDF: 60.3/41

- sign -1773.244+/-582.924 χ^2/NDF: 25.6/21

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 2006.767+/-0.841 χ^2/NDF:37514.2/3

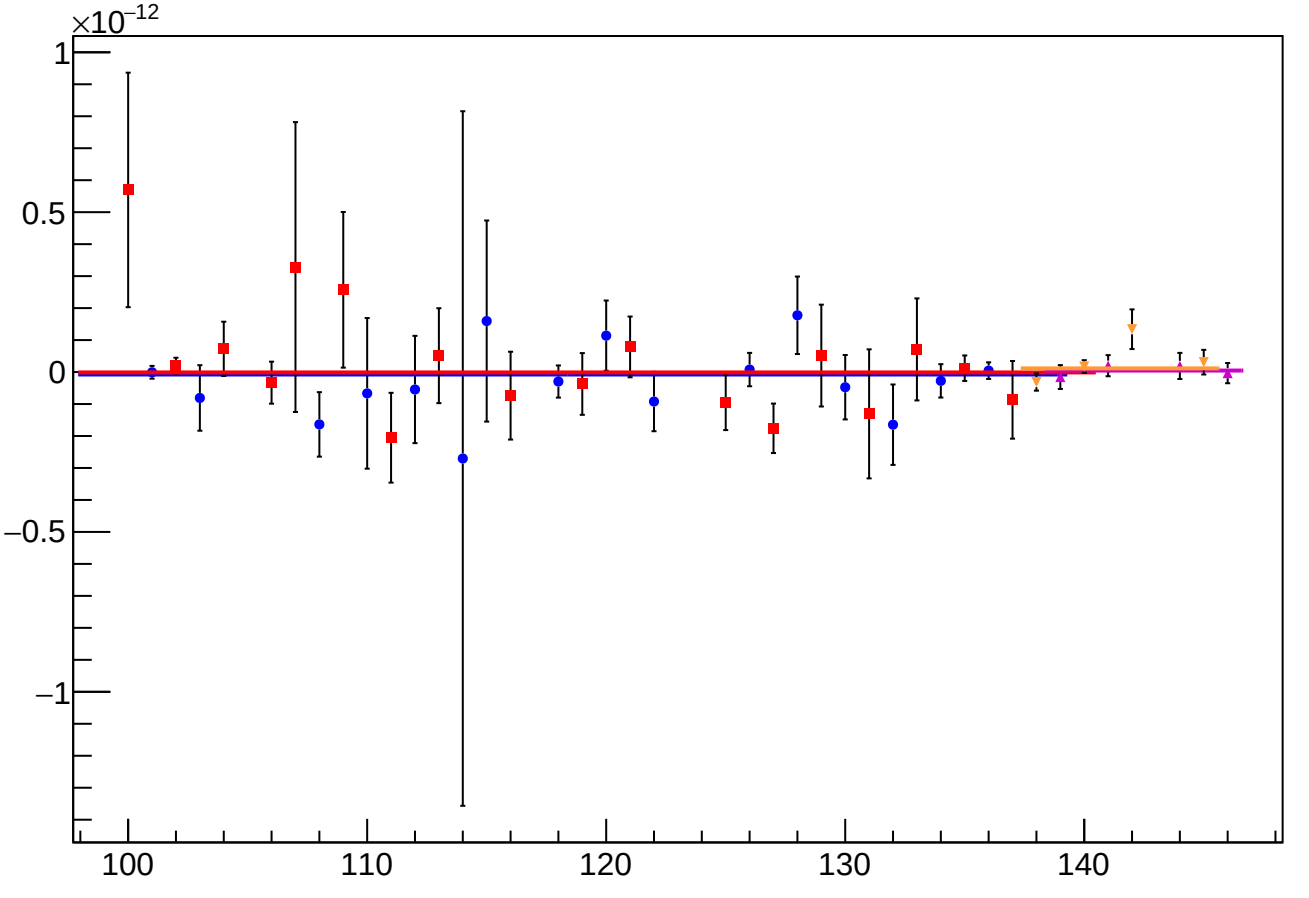
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1925.141+/-0.729 χ^2/NDF:61649.2/3

+ sign 1851.951+/-0.417 χ^2/NDF: 483115.9/19

All: 1871.366+/-0.293 χ^2/NDF: 1122313.1/41

- sign 1890.340+/-0.412 χ^2/NDF: 634910.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

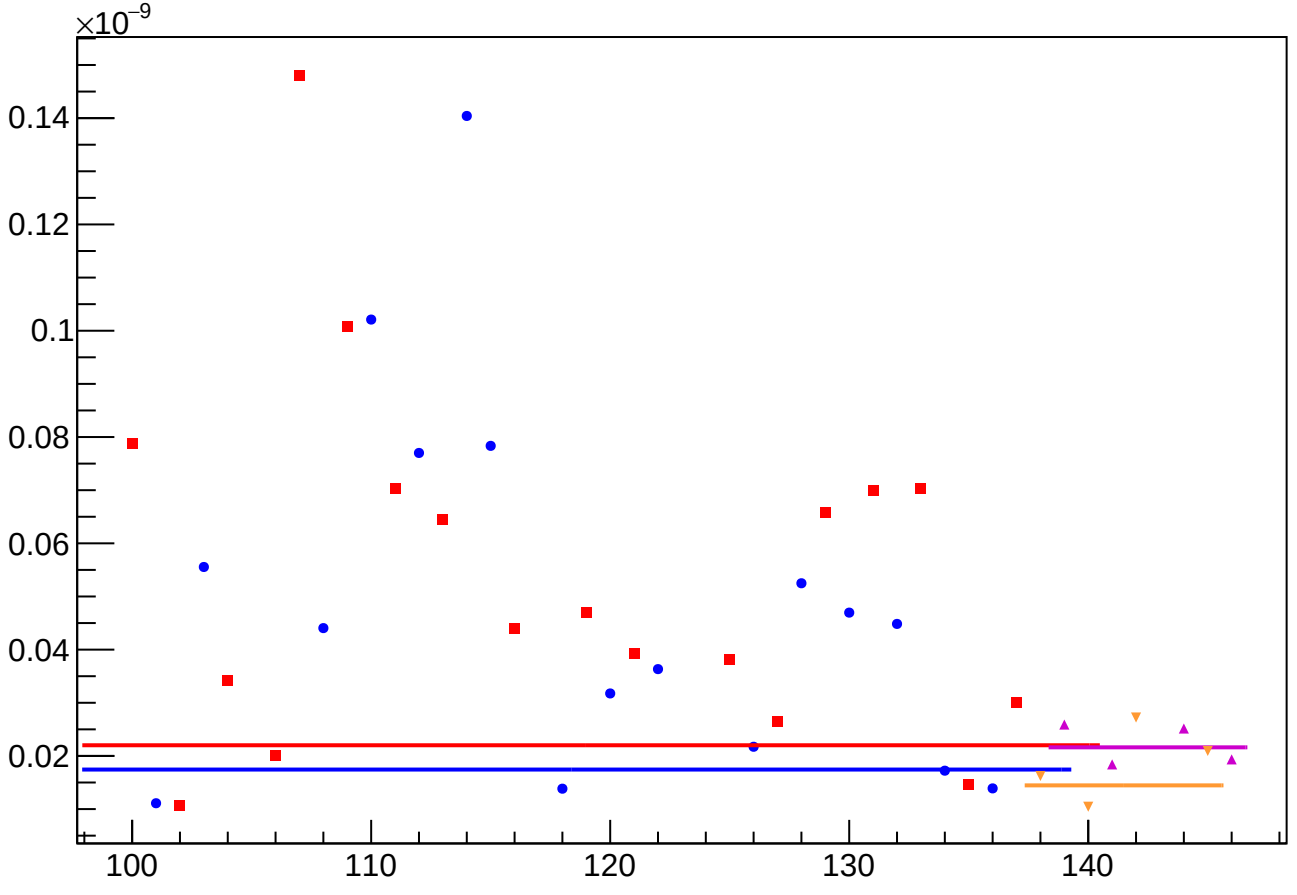
Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 18.0/19

All: 0.000+/-0.000 χ^2/NDF: 35.4/41

- sign 0.000+/-0.000 χ^2/NDF: 17.4/21

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:231192.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

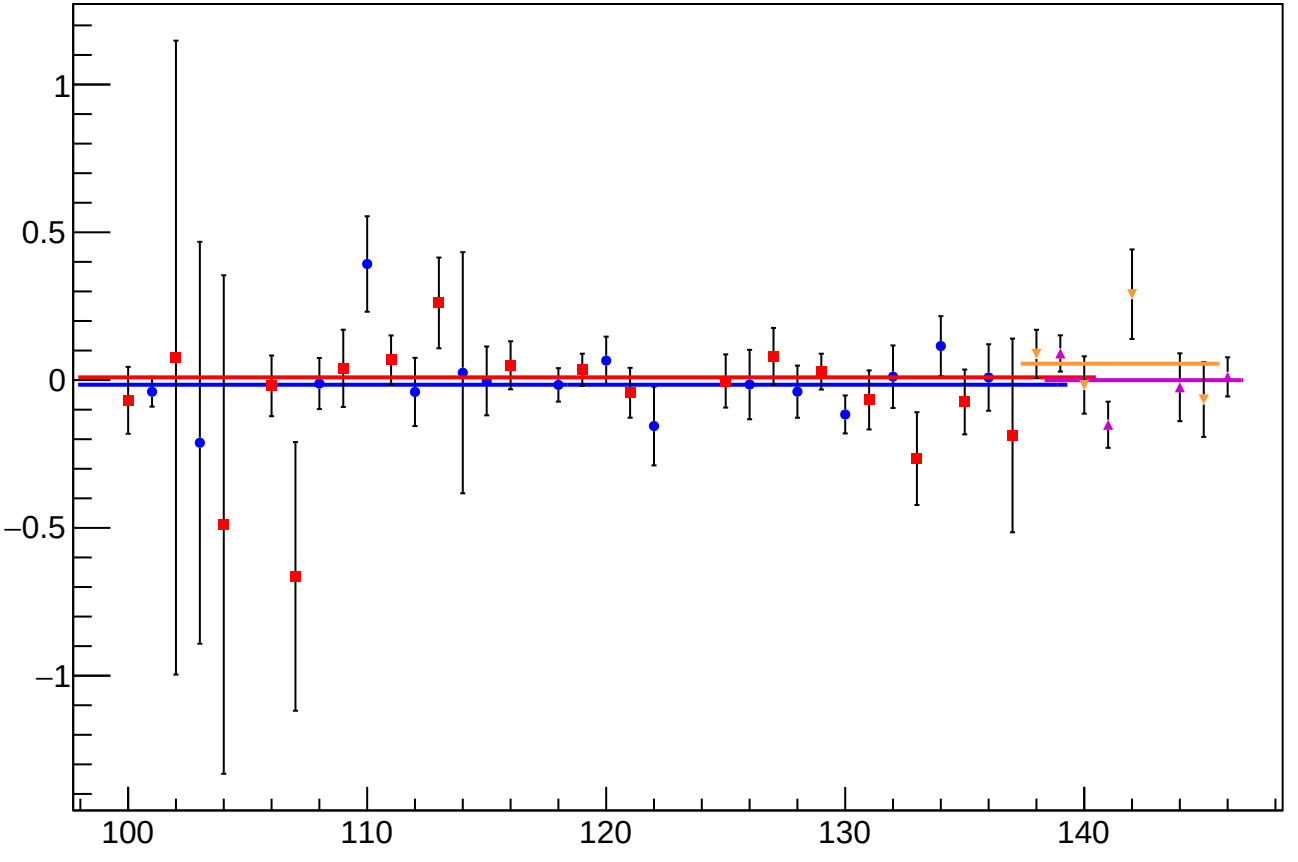
Left In: 0.000+/-0.000 χ^2/NDF:70666.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2118011.4/19

All: 0.000+/-0.000 χ^2/NDF: 4556684.2/41

- sign 0.000+/-0.000 χ^2/NDF: 2169815.4/21

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: 0.056+/-0.052 χ^2/NDF:4.0/3

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

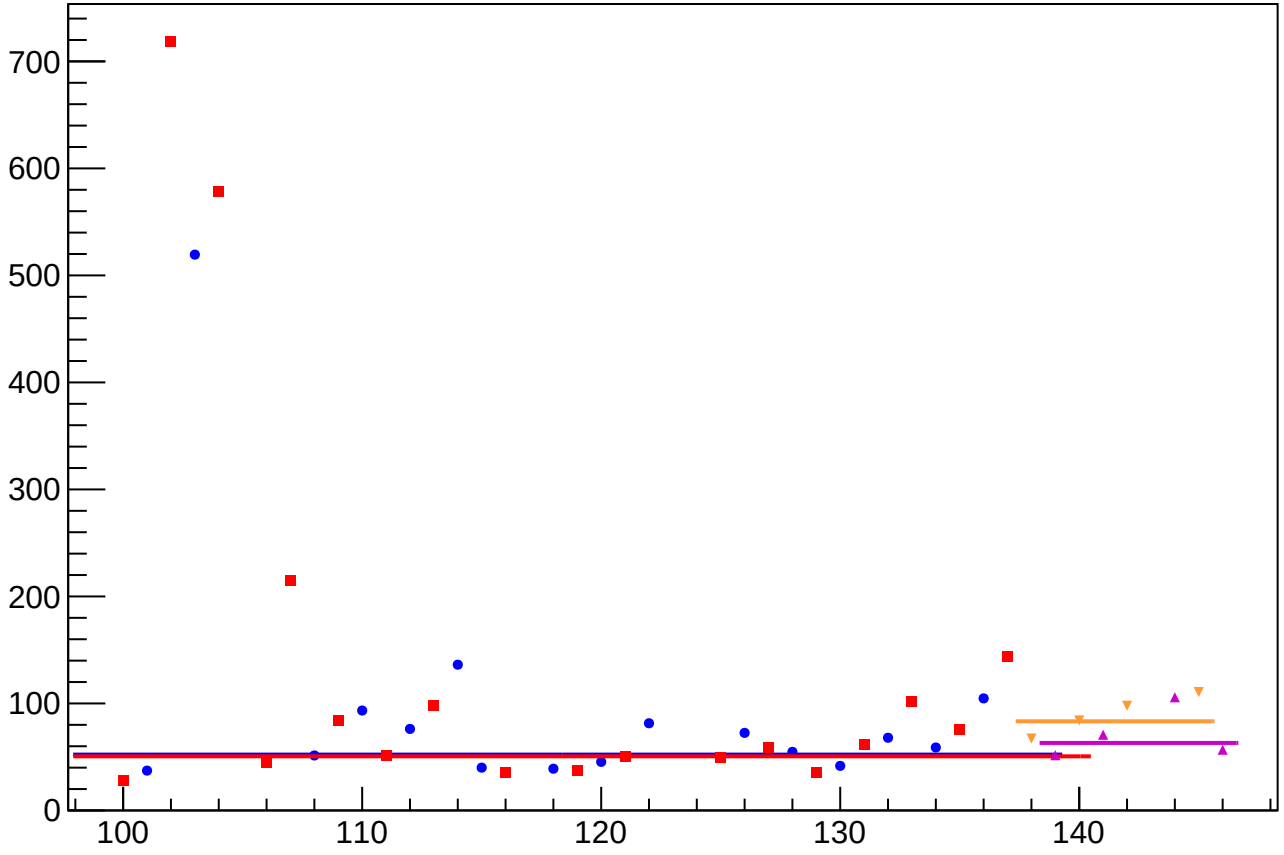
Left In: -0.000+/-0.037 χ^2/NDF:6.0/3

+ sign -0.004+/-0.021 χ^2/NDF: 18.8/19

All: 0.001+/-0.014 χ^2/NDF: 37.4/41

- sign 0.007+/-0.020 χ^2/NDF: 18.5/21

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: 83.318+/-0.037 χ^2/NDF:190149.5/3

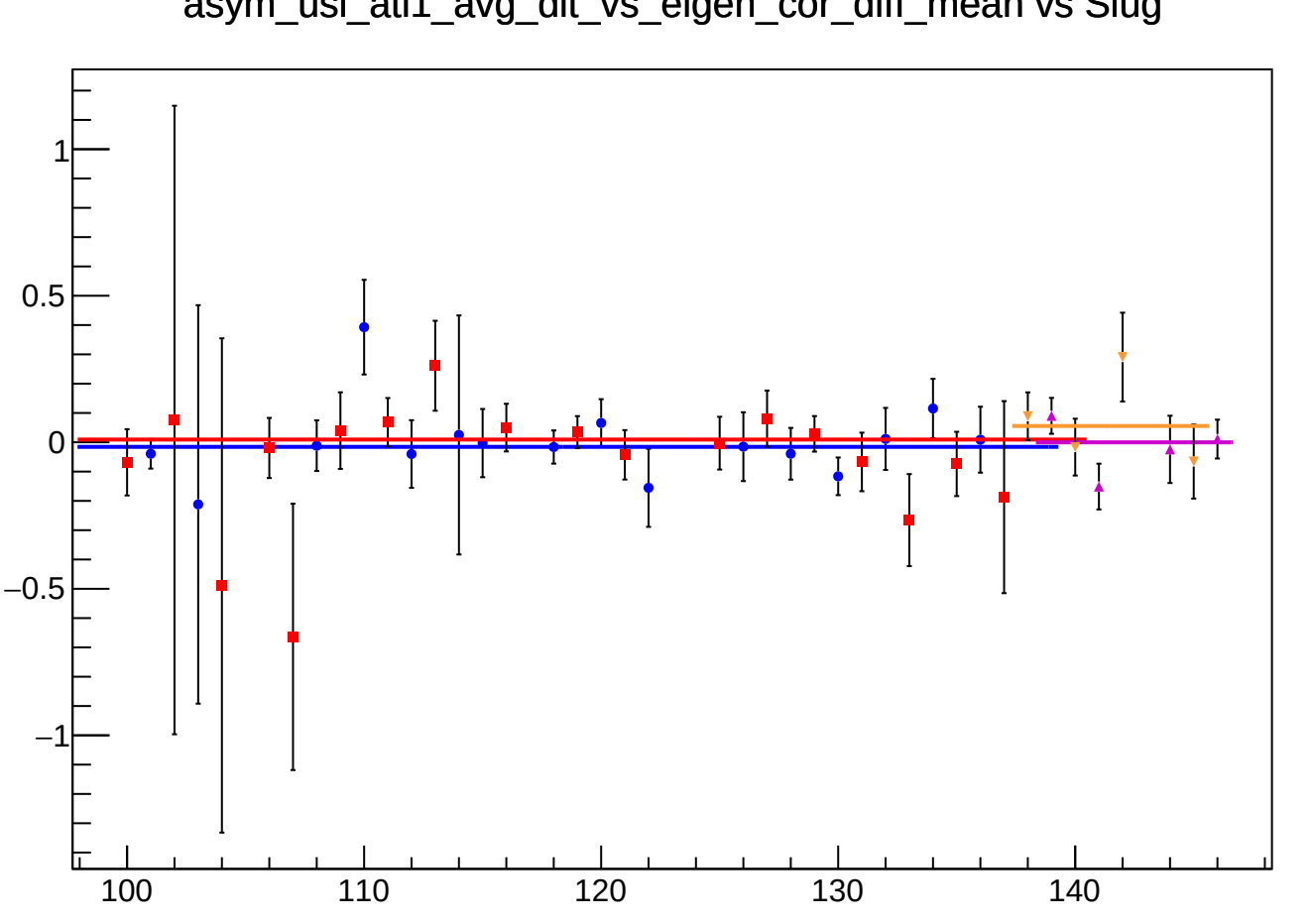
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 63.105+/-0.026 χ^2/NDF:384001.4/3

\+ sign 57.076+/-0.015 χ^2/NDF: 3050200.8/19

All: 55.581+/-0.010 χ^2/NDF: 6668728.6/41

\- sign 54.213+/-0.014 χ^2/NDF: 3598728.7/21



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.056+/-0.052 χ^2/NDF:4.0/3

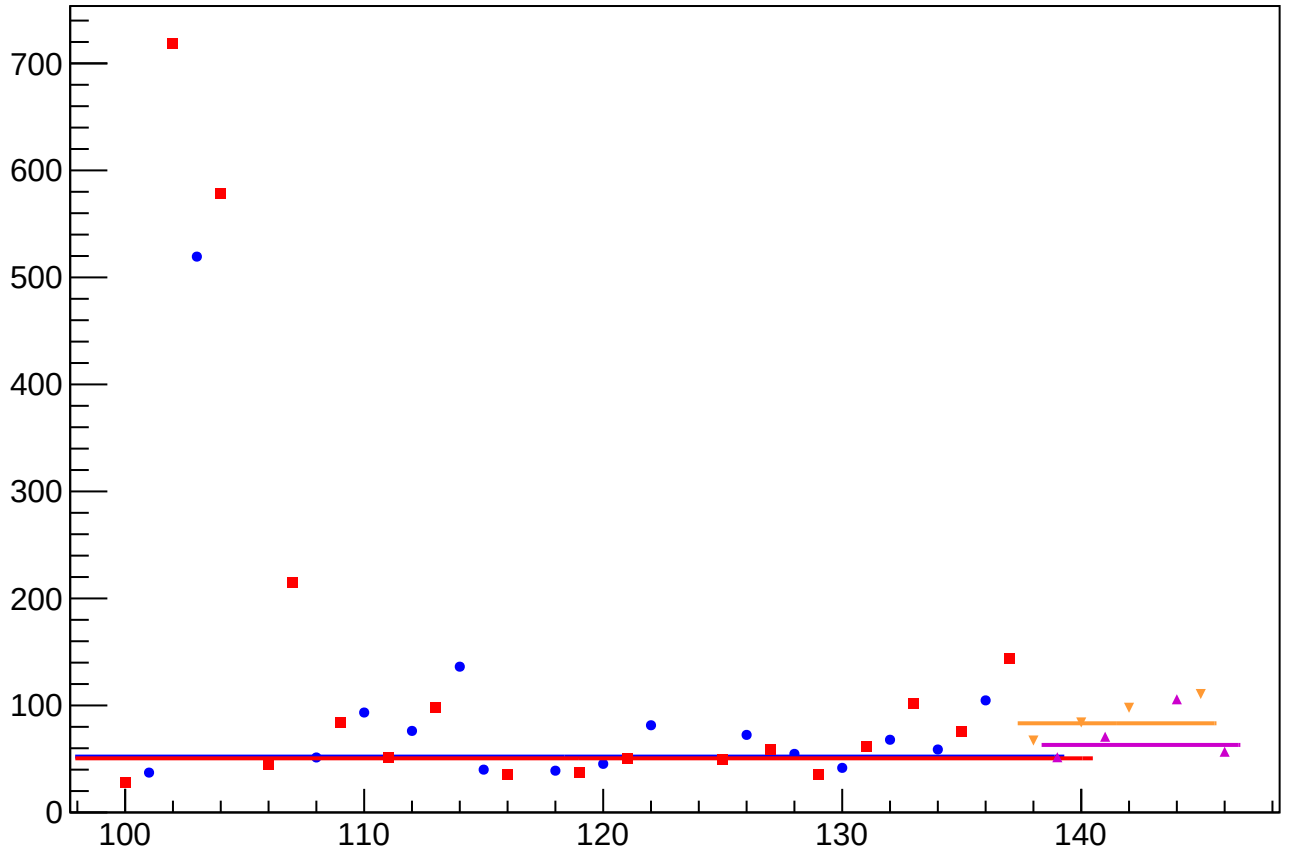
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.000+/-0.037 χ^2/NDF:6.0/3

\+ sign -0.004+/-0.021 χ^2/NDF: 18.8/19

All: 0.001+/-0.014 χ^2/NDF: 37.4/41

\- sign 0.007+/-0.020 χ^2/NDF: 18.5/21



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 83.318+/-0.037 χ^2/NDF:190149.5/3

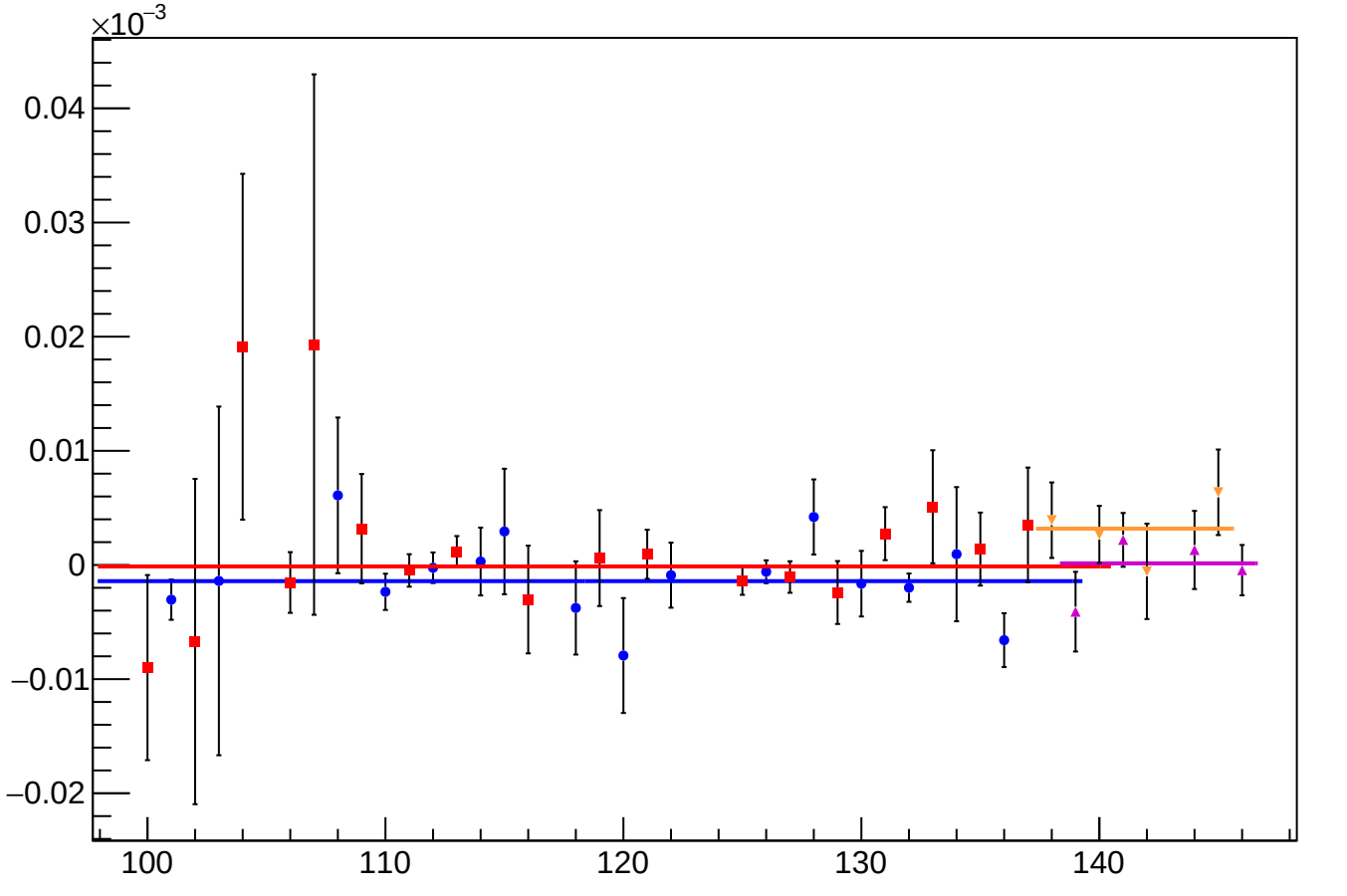
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 63.105+/-0.026 χ^2/NDF:384001.4/3

+ sign 57.076+/-0.015 χ^2/NDF: 3050200.8/19

All: 55.581+/-0.010 χ^2/NDF: 6668728.6/41

- sign 54.213+/-0.014 χ^2/NDF: 3598728.7/21



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

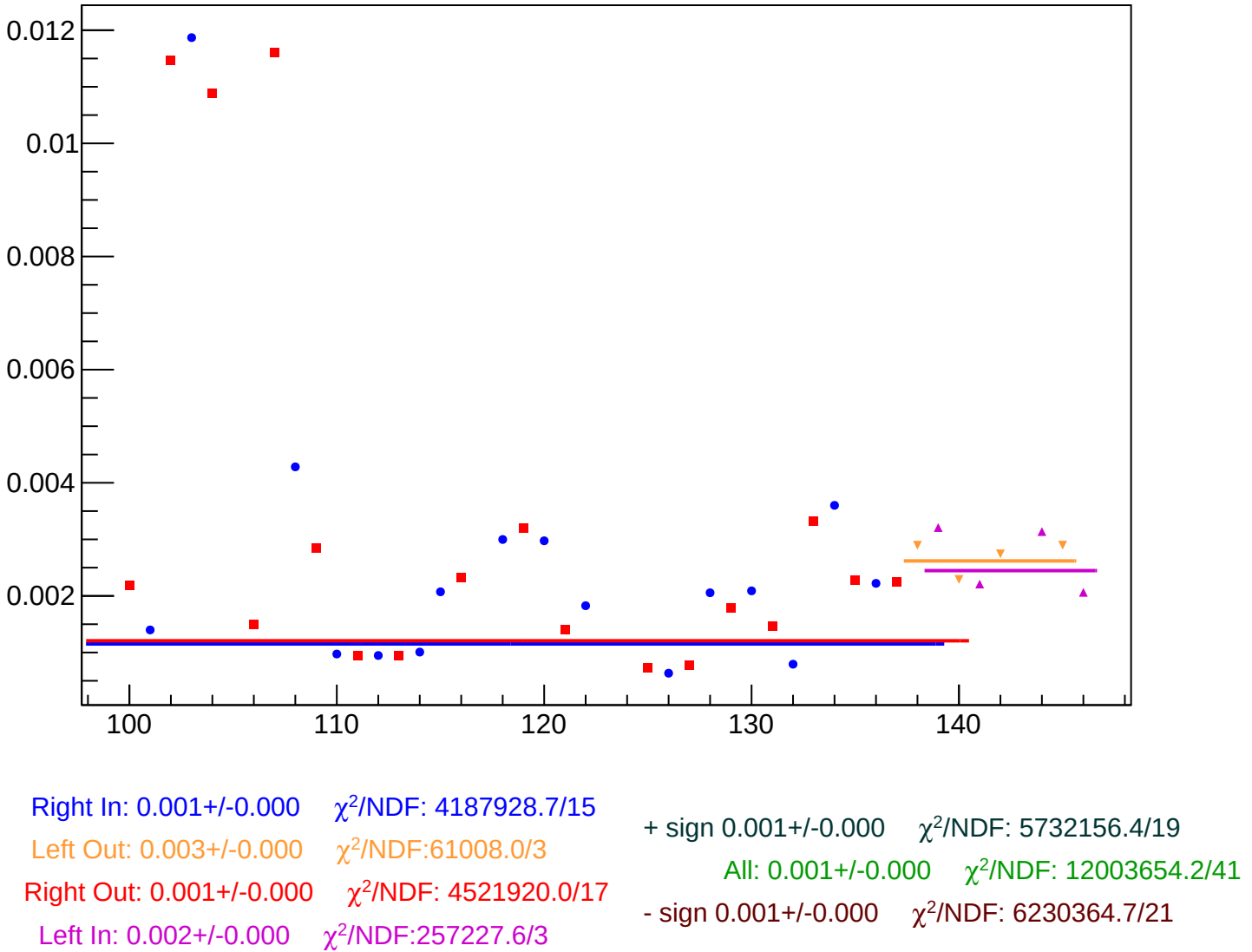
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

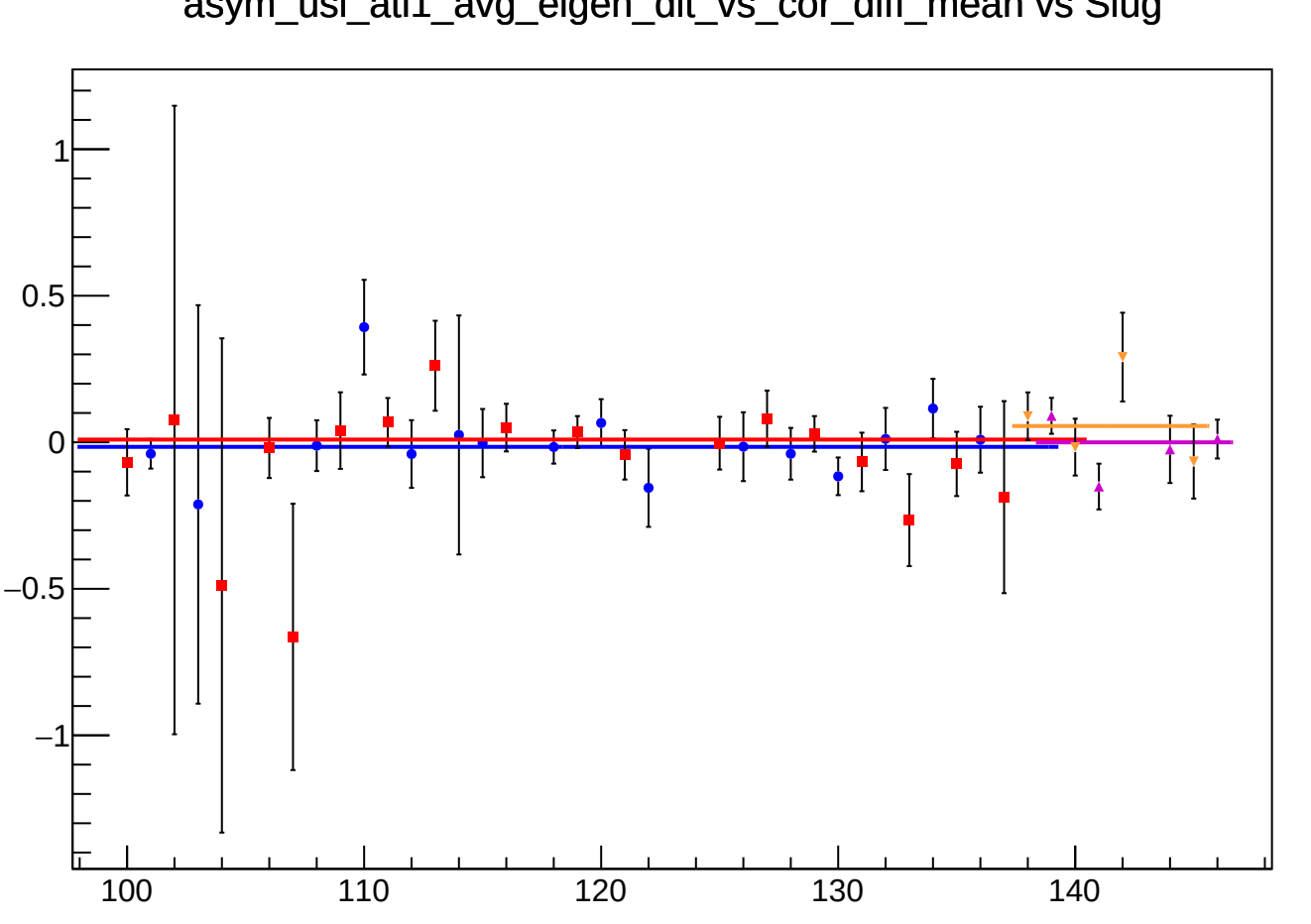
Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

\+ sign -0.000+/-0.000 χ^2/NDF: 23.8/19

All: -0.000+/-0.000 χ^2/NDF: 39.5/41

\- sign -0.000+/-0.000 χ^2/NDF: 14.1/21


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
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.003+/-0.000 χ²/NDF:61008.0/3
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.002+/-0.000 χ²/NDF:257227.6/3
+ sign 0.001+/-0.000 χ²/NDF: 5732156.4/19
All: 0.001+/-0.000 χ²/NDF: 12003654.2/41
- sign 0.001+/-0.000 χ²/NDF: 6230364.7/21



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.056+/-0.052 χ^2/NDF:4.0/3

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

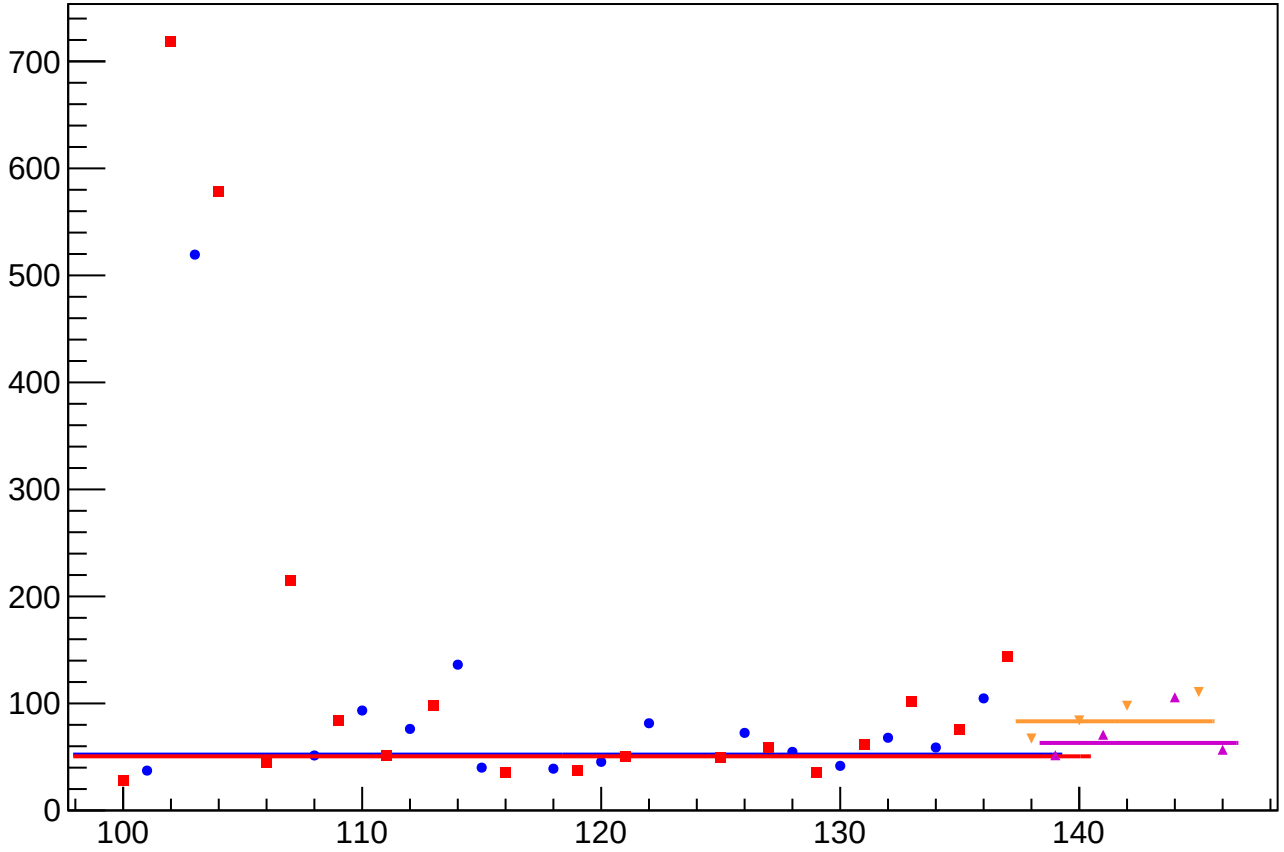
Left In: -0.000+/-0.037 χ^2/NDF:6.0/3

+ sign -0.004+/-0.021 χ^2/NDF: 18.8/19

All: 0.001+/-0.014 χ^2/NDF: 37.4/41

- sign 0.007+/-0.020 χ^2/NDF: 18.5/21

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: 83.317+/-0.037 χ^2/NDF:190148.4/3

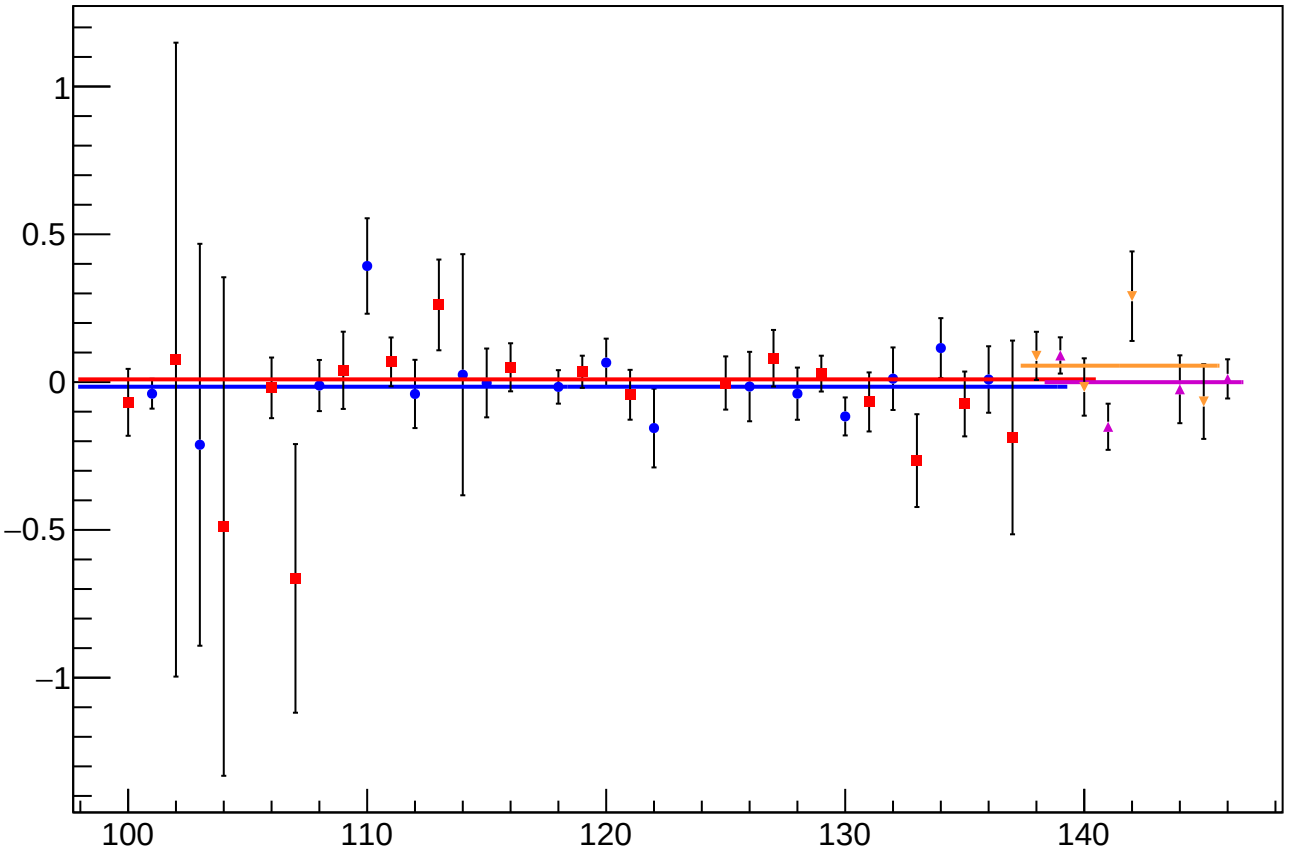
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 63.105+/-0.026 χ^2/NDF:383994.3/3

+ sign 57.075+/-0.015 χ^2/NDF: 3050187.4/19

All: 55.580+/-0.010 χ^2/NDF: 6668703.9/41

- sign 54.213+/-0.014 χ^2/NDF: 3598717.2/21



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.056+/-0.052 χ^2/NDF:4.0/3

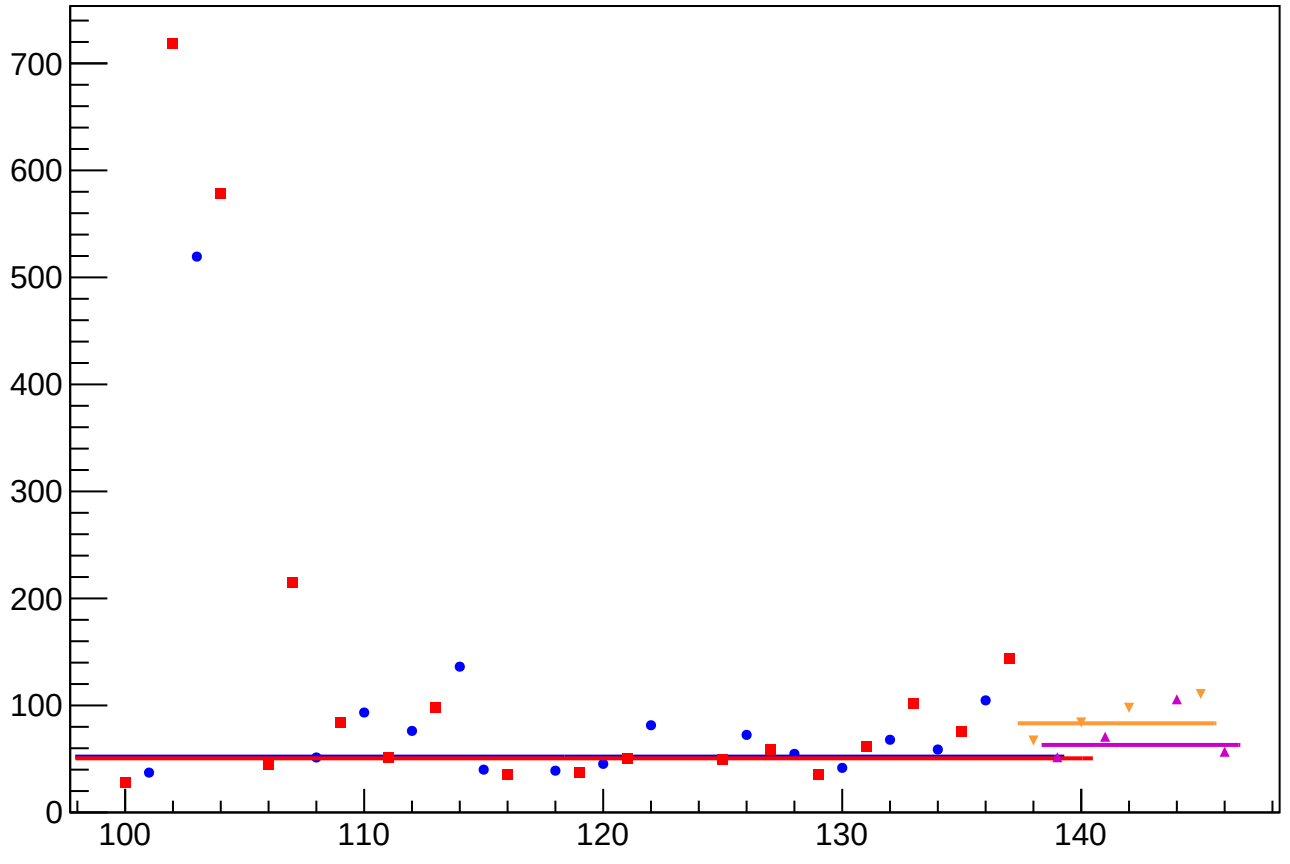
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.000+/-0.037 χ^2/NDF:6.0/3

\+ sign -0.004+/-0.021 χ^2/NDF: 18.8/19

All: 0.001+/-0.014 χ^2/NDF: 37.4/41

\- sign 0.007+/-0.020 χ^2/NDF: 18.5/21



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 83.317+/-0.037 χ^2/NDF:190148.4/3

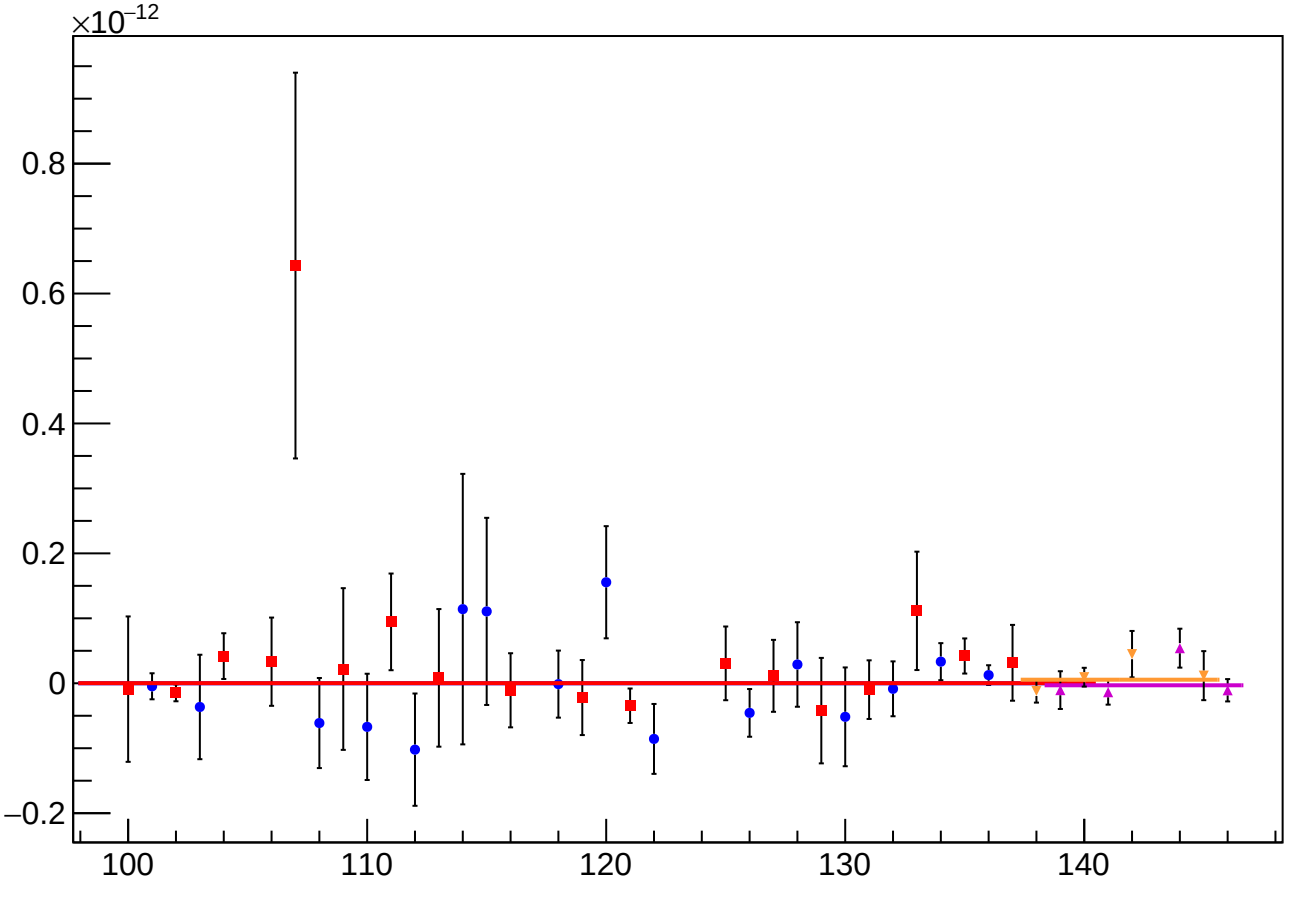
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 63.105+/-0.026 χ^2/NDF:383994.3/3

+ sign 57.075+/-0.015 χ^2/NDF: 3050187.4/19

All: 55.580+/-0.010 χ^2/NDF: 6668703.9/41

- sign 54.213+/-0.014 χ^2/NDF: 3598717.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

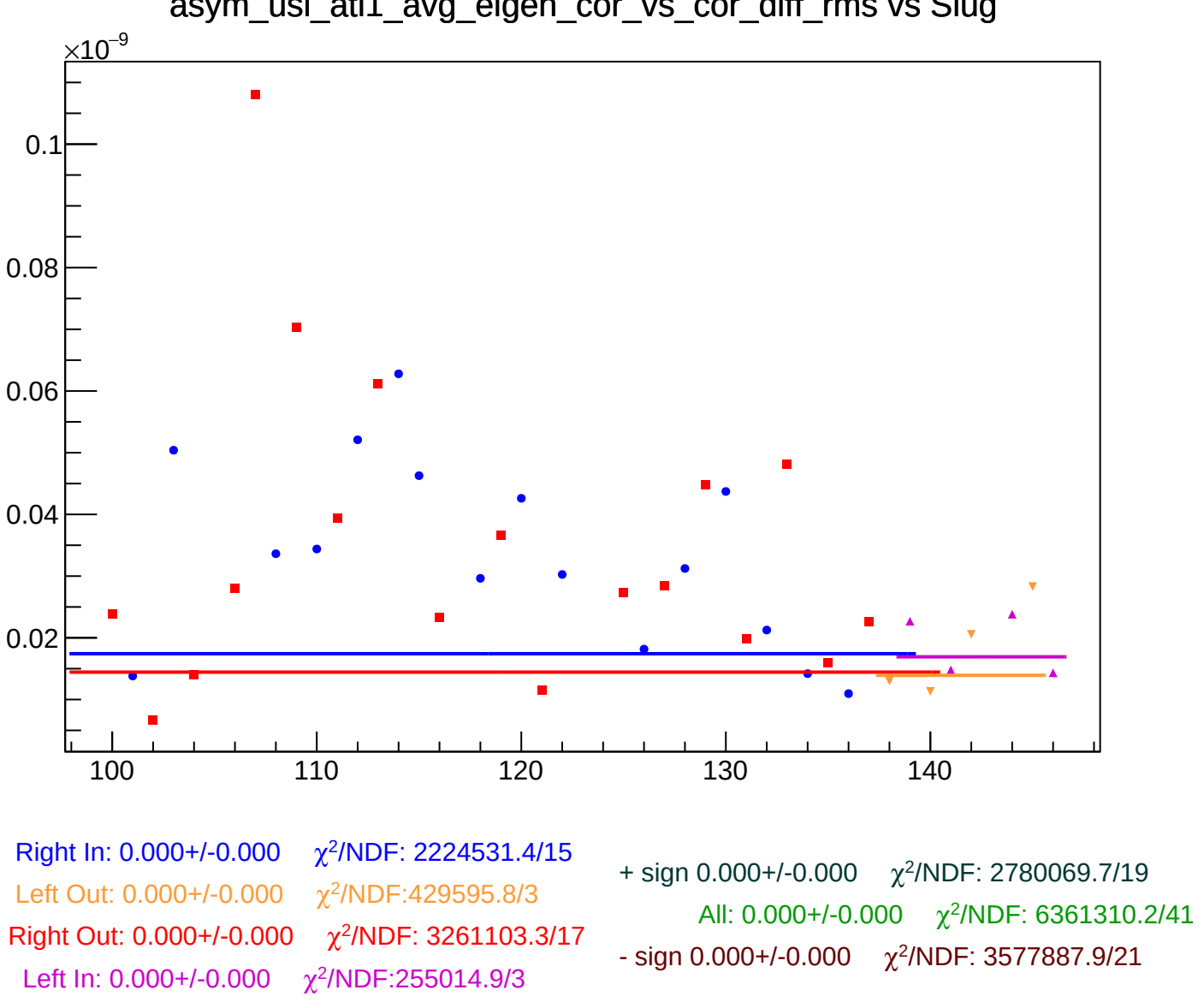
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/3

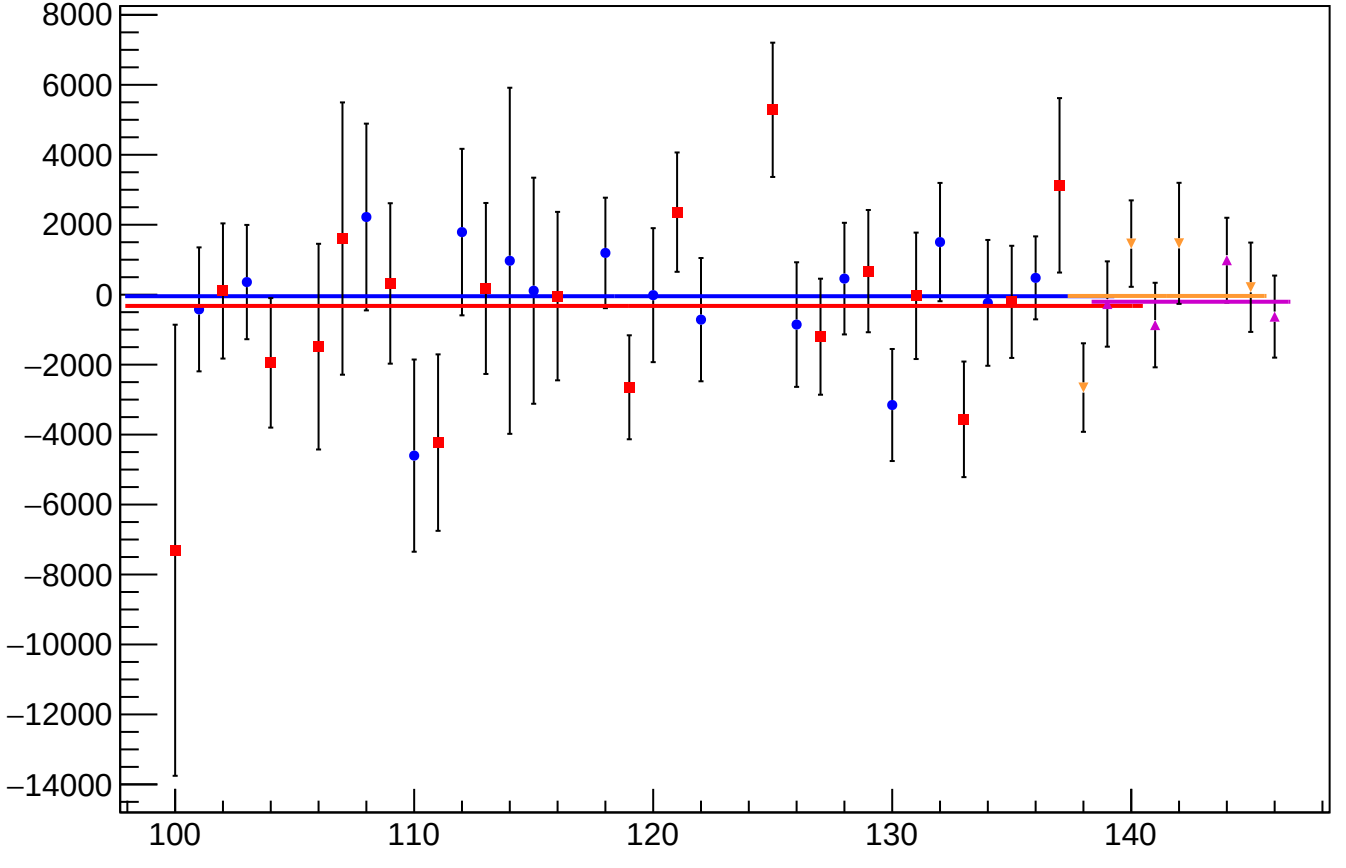
+ sign 0.000+/-0.000 χ^2/NDF: 16.5/19

All: 0.000+/-0.000 χ^2/NDF: 36.9/41

- sign -0.000+/-0.000 χ^2/NDF: 20.3/21


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
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:429595.8/3
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:255014.9/3
+ sign 0.000+/-0.000 χ²/NDF: 2780069.7/19
All: 0.000+/-0.000 χ²/NDF: 6361310.2/41
- sign 0.000+/-0.000 χ²/NDF: 3577887.9/21

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -35.904+/-670.227 χ^2/NDF:6.5/3

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

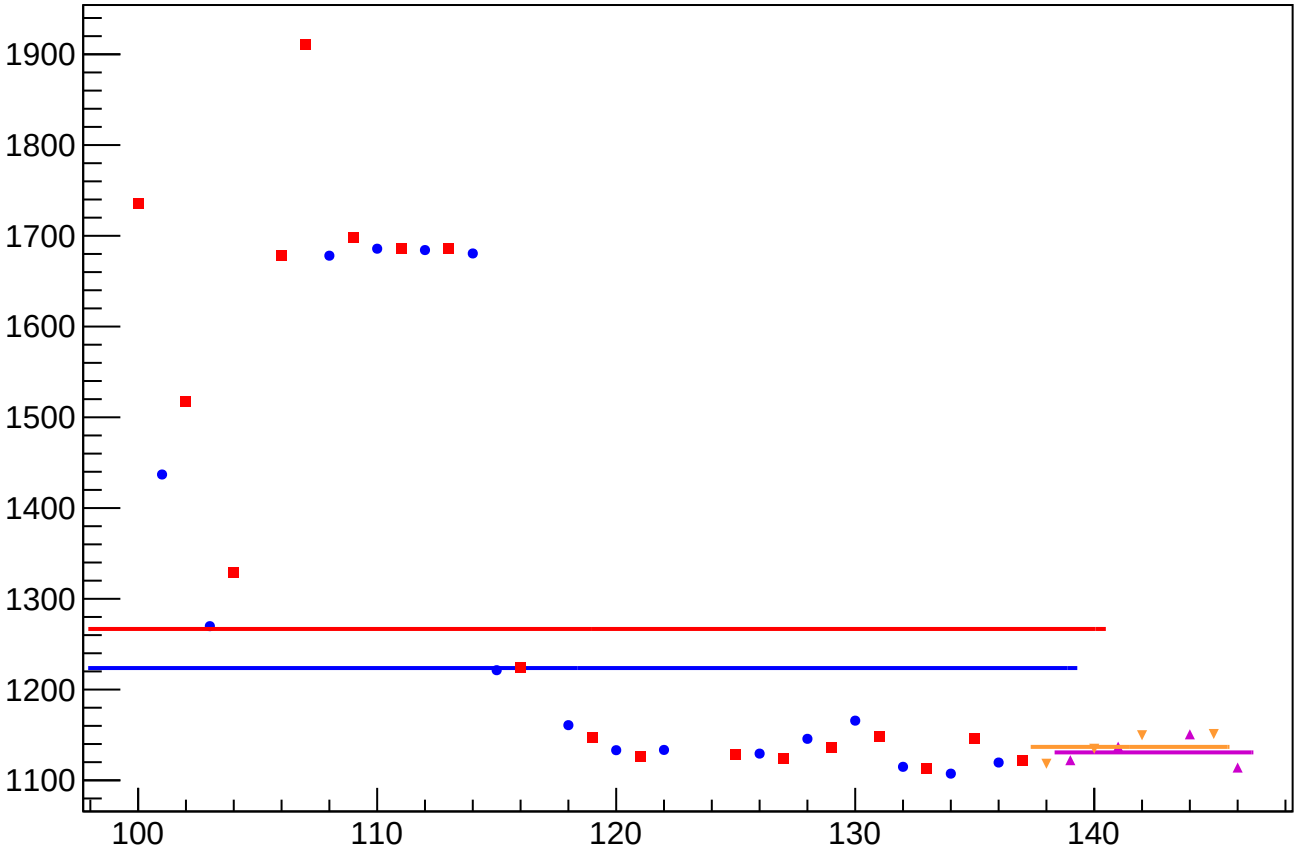
Left In: -201.909+/-601.537 χ^2/NDF:1.4/3

+ sign -41.197+/-378.829 χ^2/NDF: 16.6/19

All: -160.206+/-265.701 χ^2/NDF: 43.0/41

- sign -275.433+/-372.759 χ^2/NDF: 26.2/21

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1136.835+/-0.474 χ^2/NDF:793.3/3

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

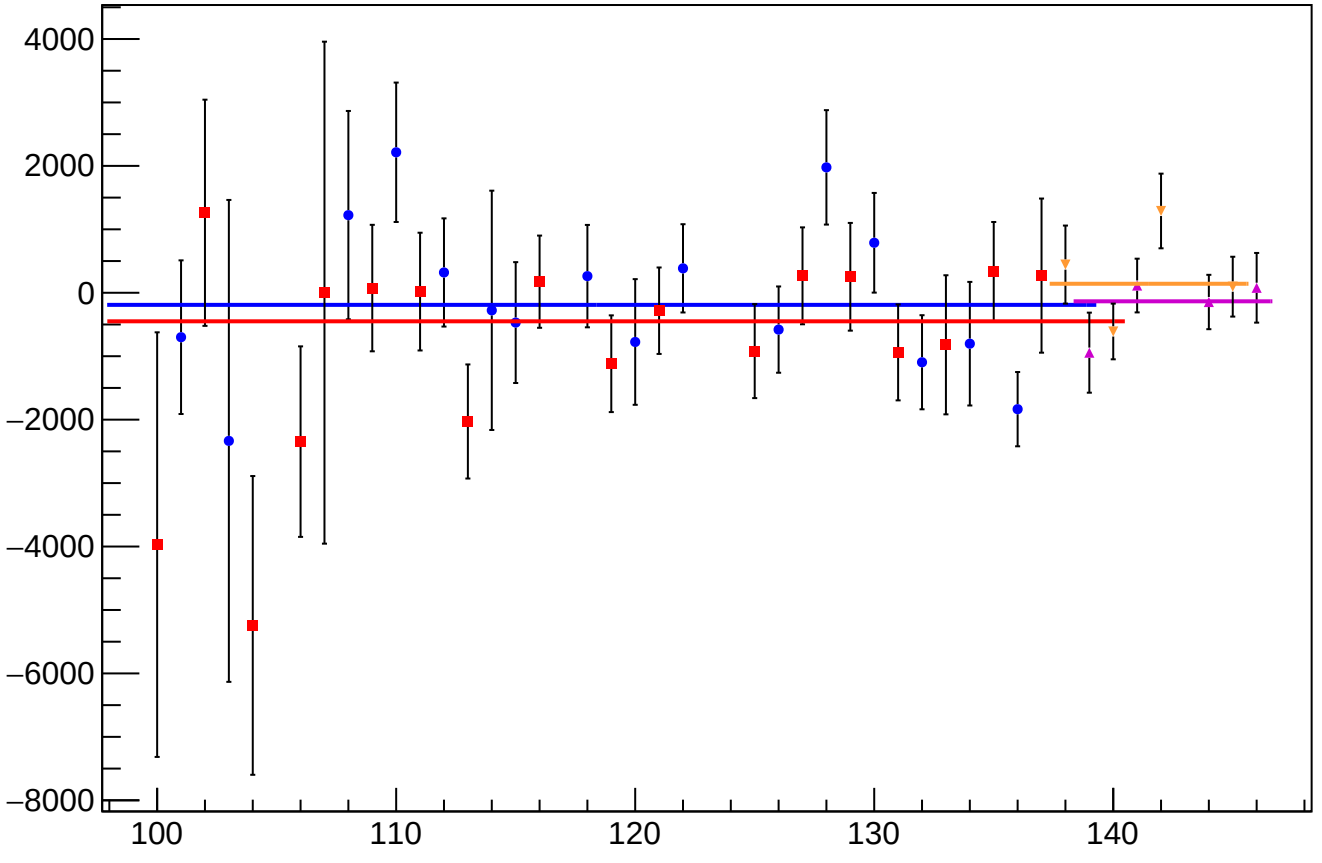
Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

+ sign 1195.952+/-0.268 χ^2/NDF: 318624.3/19

All: 1205.401+/-0.188 χ^2/NDF: 818005.3/41

- sign 1214.550+/-0.264 χ^2/NDF: 496931.9/21

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: 141.979+/-256.312 χ^2/NDF:7.0/3

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

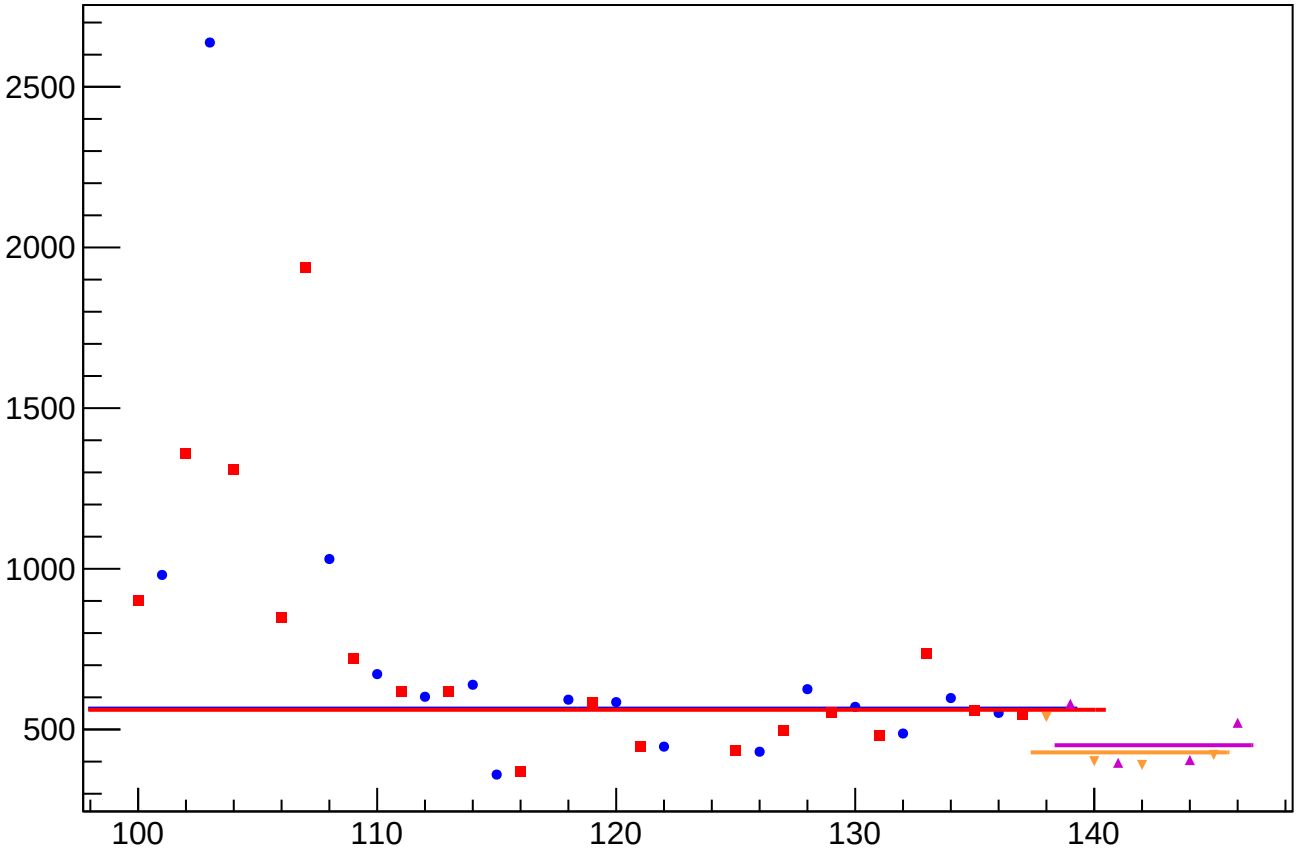
Left In: -134.608+/-243.573 χ^2/NDF:2.1/3

+ sign -47.429+/-168.182 χ^2/NDF: 33.2/19

All: -179.508+/-117.621 χ^2/NDF: 54.3/41

- sign -305.959+/-164.559 χ^2/NDF: 19.9/21

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 428.650+/-0.181 χ^2/NDF:81028.0/3

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

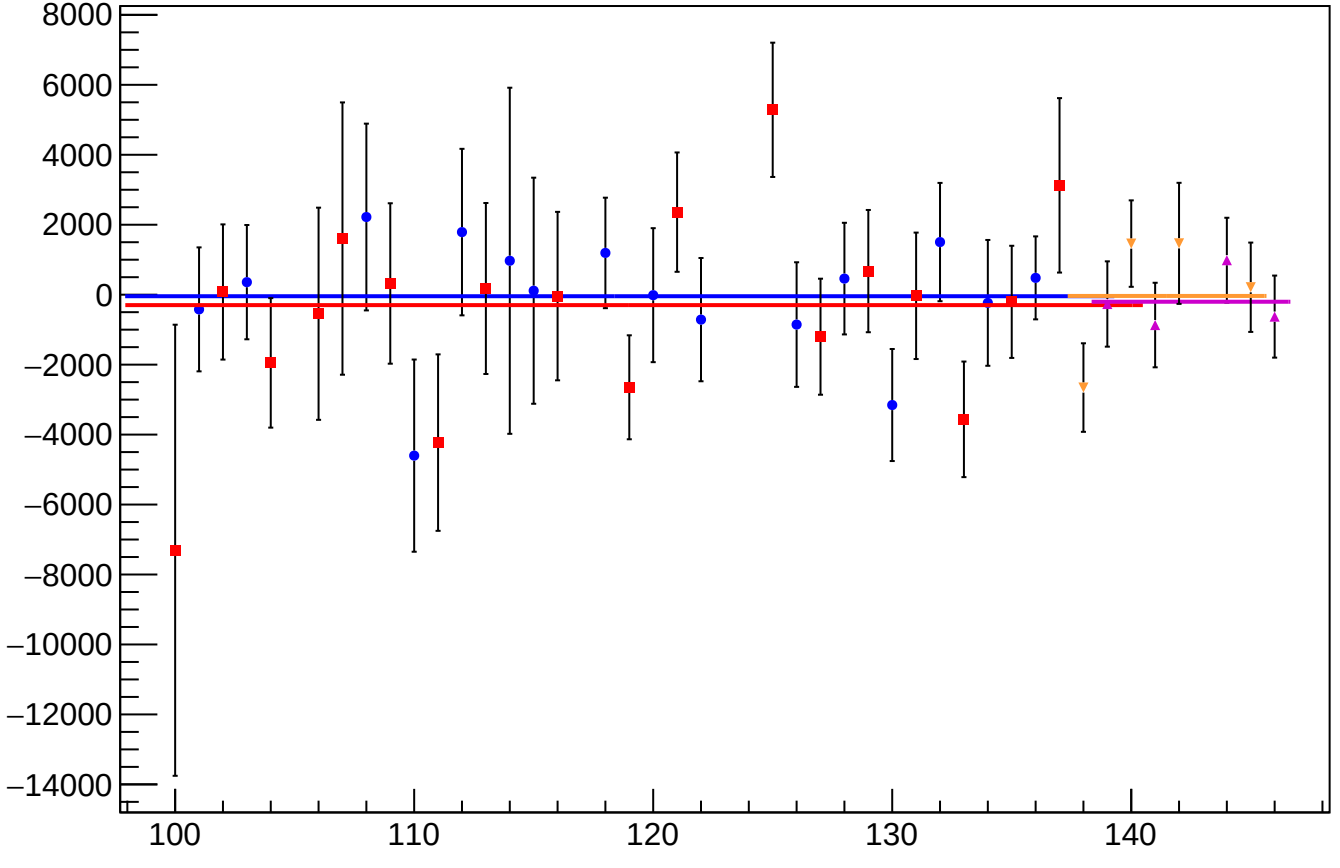
Left In: 450.975+/-0.172 χ^2/NDF:172555.3/3

+ sign 506.271+/-0.119 χ^2/NDF: 1687613.6/19

All: 508.642+/-0.083 χ^2/NDF: 3435986.6/41

- sign 510.912+/-0.116 χ^2/NDF: 1747594.9/21

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -35.902+/-670.227 χ^2/NDF:6.5/3

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

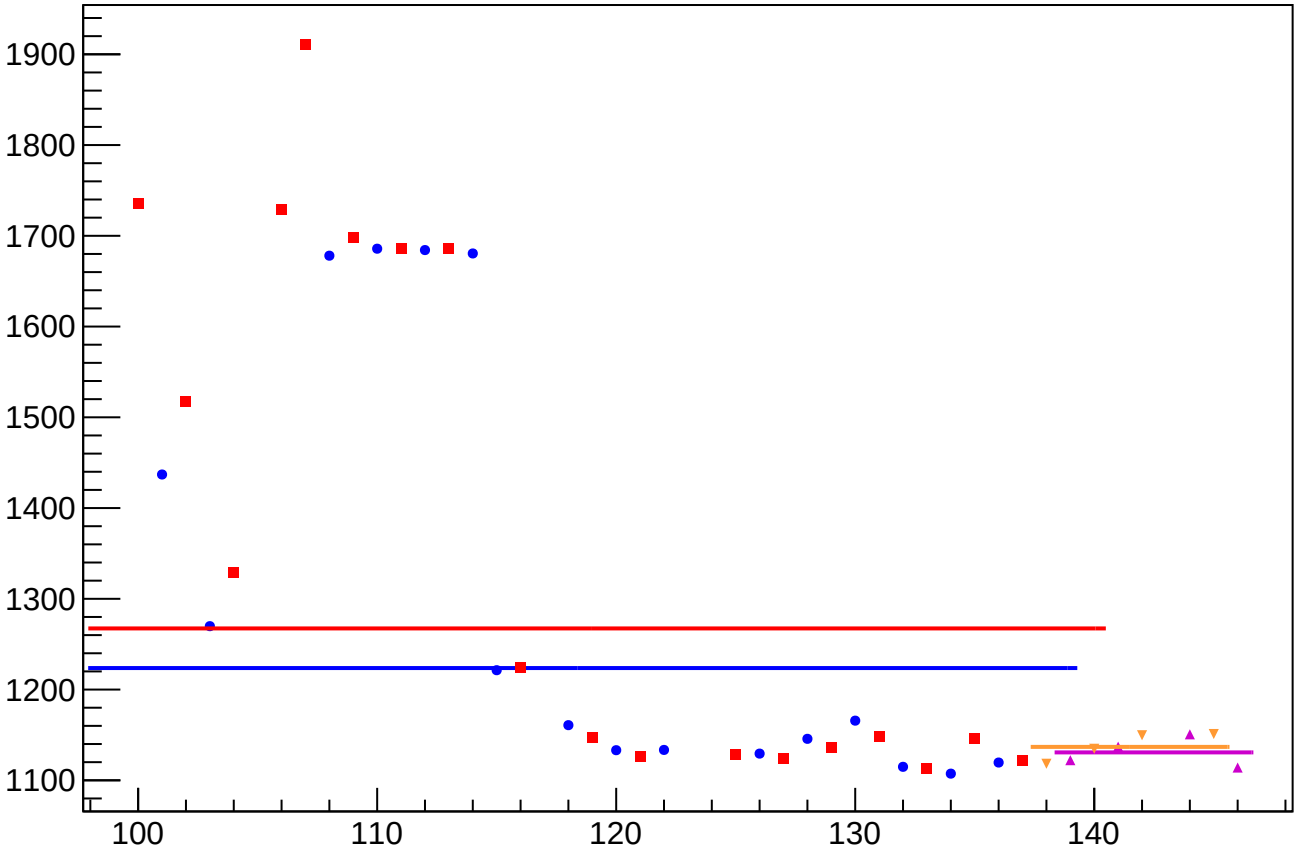
Left In: -201.825+/-601.537 χ^2/NDF:1.4/3

+ sign -41.360+/-378.829 χ^2/NDF: 16.6/19

All: -152.982+/-265.766 χ^2/NDF: 42.8/41

- sign -261.160+/-372.941 χ^2/NDF: 26.0/21

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1136.835+/-0.474 χ^2/NDF:793.3/3

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

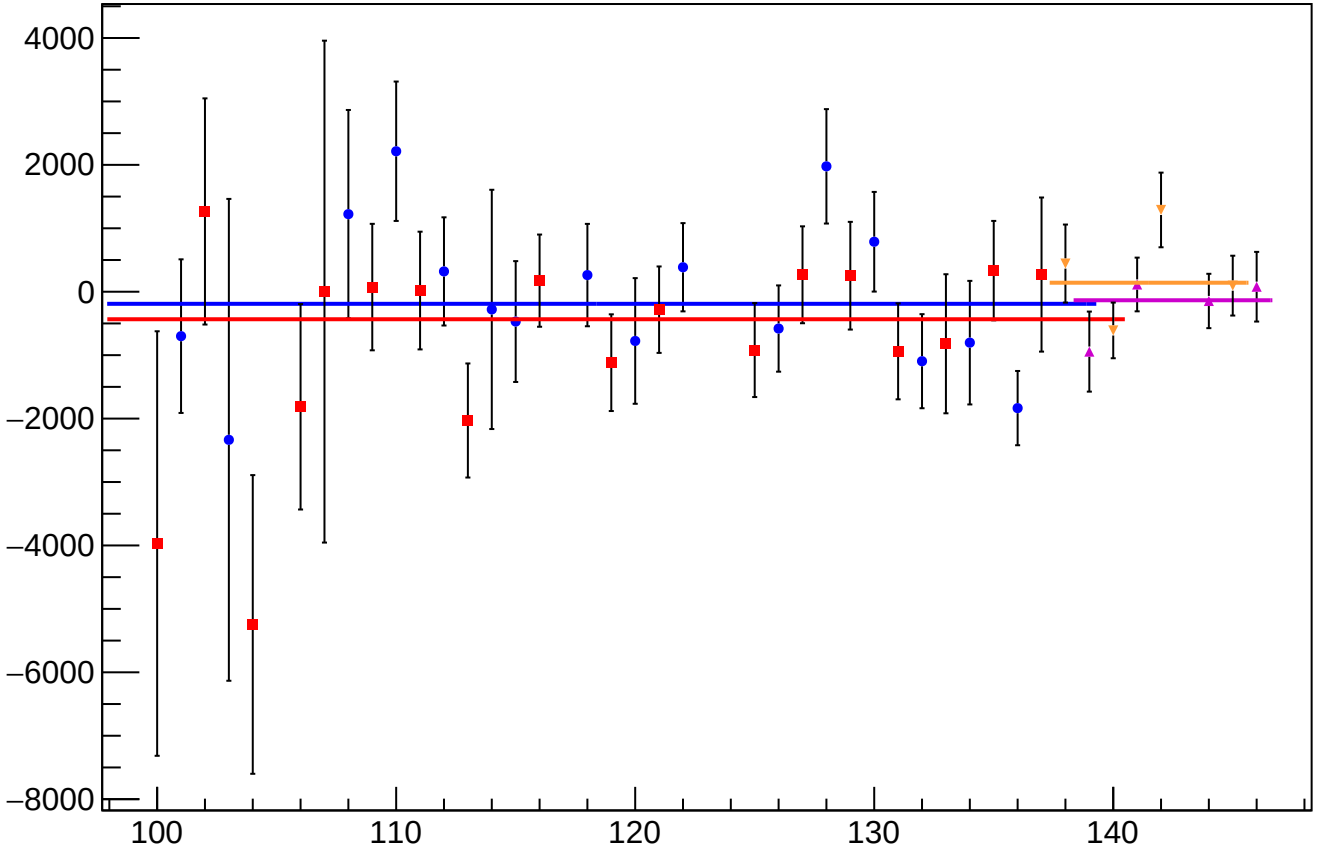
Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

+ sign 1195.952+/-0.268 χ^2/NDF: 318624.4/19

All: 1205.553+/-0.188 χ^2/NDF: 825726.0/41

- sign 1214.858+/-0.264 χ^2/NDF: 504571.9/21

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 141.903+/-256.312 χ^2/NDF:7.0/3

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

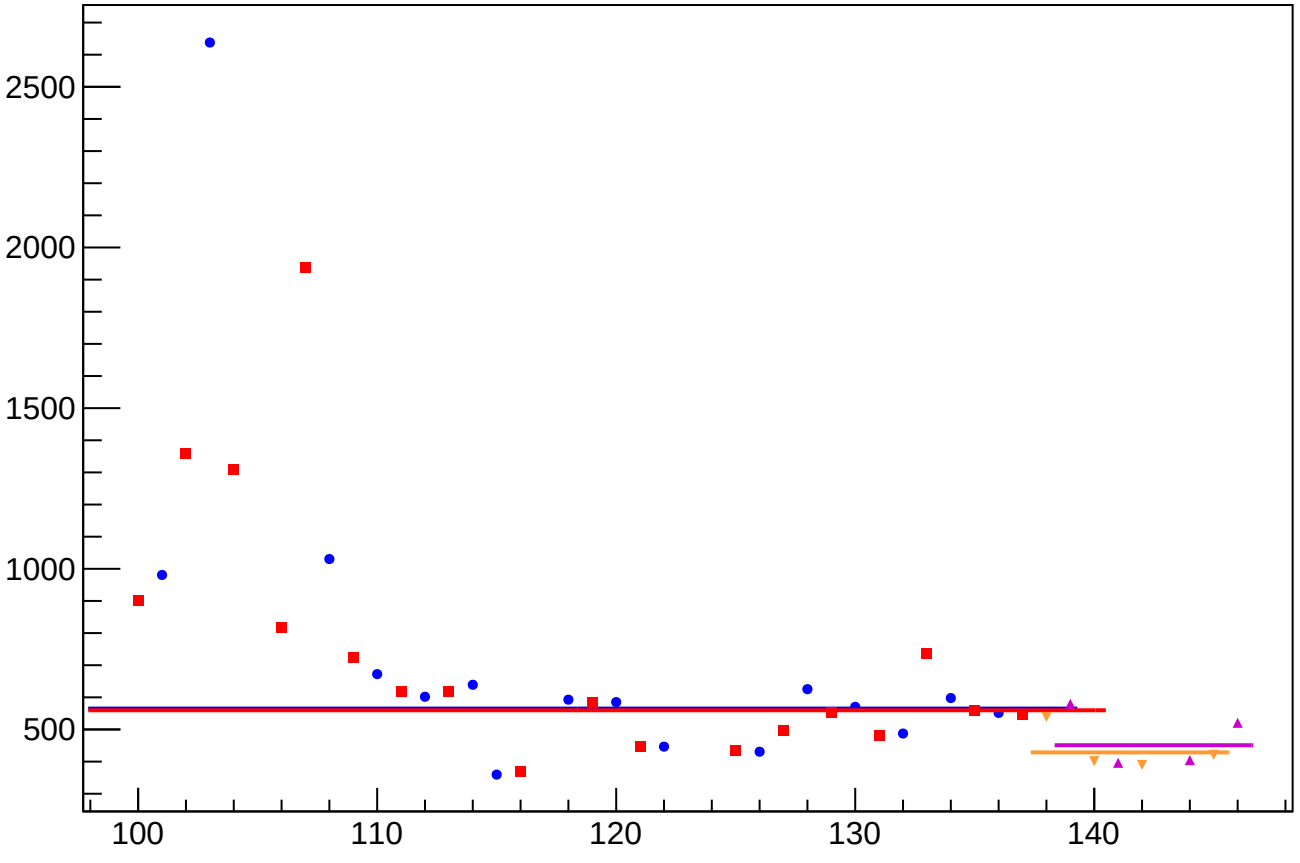
Left In: -134.514+/-243.573 χ^2/NDF:2.1/3

+ sign -47.469+/-168.181 χ^2/NDF: 33.2/19

All: -174.849+/-117.671 χ^2/NDF: 53.2/41

- sign -297.006+/-164.697 χ^2/NDF: 18.9/21

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 428.649+/-0.181 χ^2/NDF:81008.0/3

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

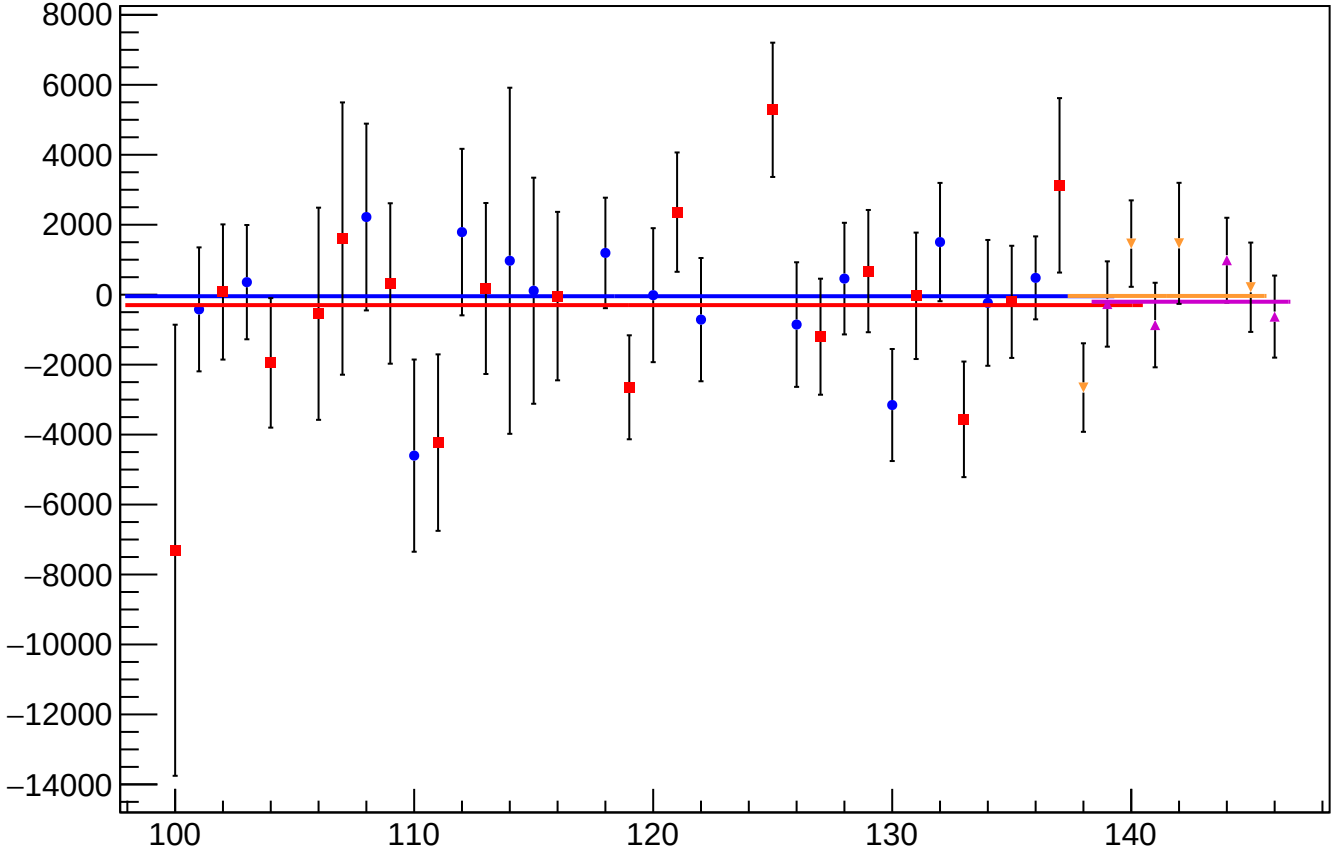
Left In: 450.977+/-0.172 χ^2/NDF:172549.2/3

+ sign 506.269+/-0.119 χ^2/NDF: 1687552.8/19

All: 508.185+/-0.083 χ^2/NDF: 3406493.7/41

- sign 510.022+/-0.116 χ^2/NDF: 1718432.5/21

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -35.902+/-670.227 χ^2/NDF:6.5/3

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

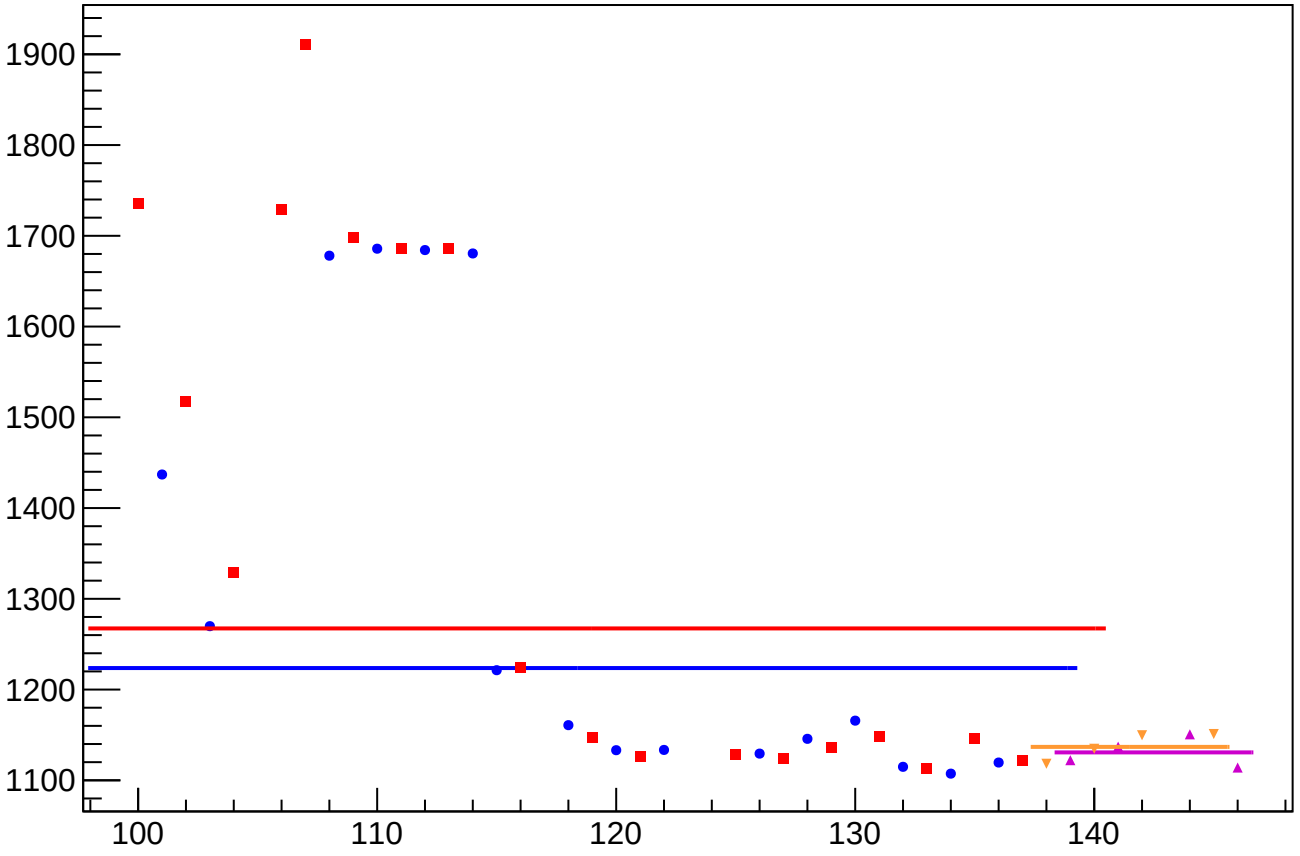
Left In: -201.825+/-601.537 χ^2/NDF:1.4/3

+ sign -41.360+/-378.829 χ^2/NDF: 16.6/19

All: -152.982+/-265.766 χ^2/NDF: 42.8/41

- sign -261.160+/-372.941 χ^2/NDF: 26.0/21

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1136.835+/-0.474 χ^2/NDF:793.3/3

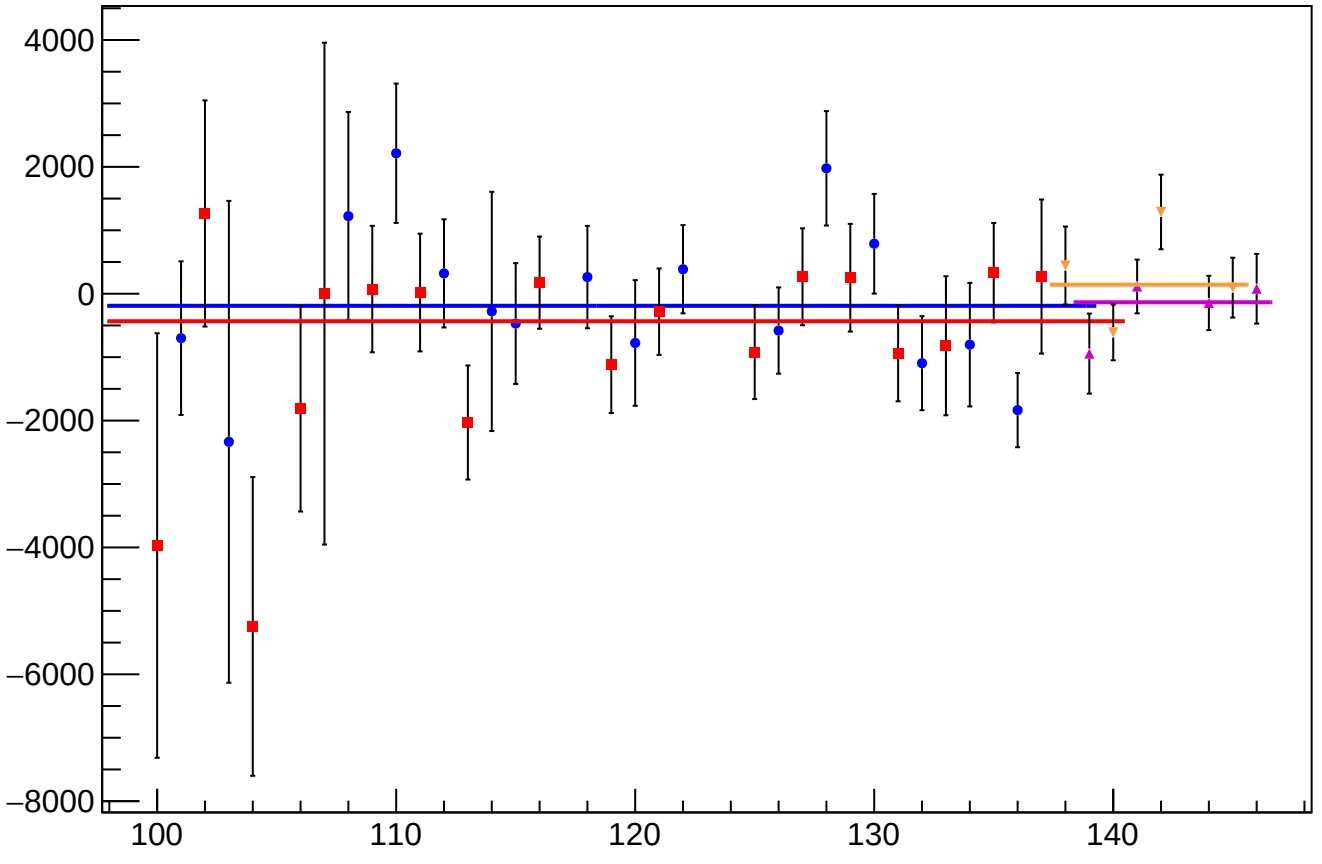
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

+ sign 1195.952+/-0.268 χ^2/NDF: 318624.4/19

All: 1205.553+/-0.188 χ^2/NDF: 825726.0/41

- sign 1214.858+/-0.264 χ^2/NDF: 504571.9/21



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 141.903+/-256.312 χ^2/NDF:7.0/3

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

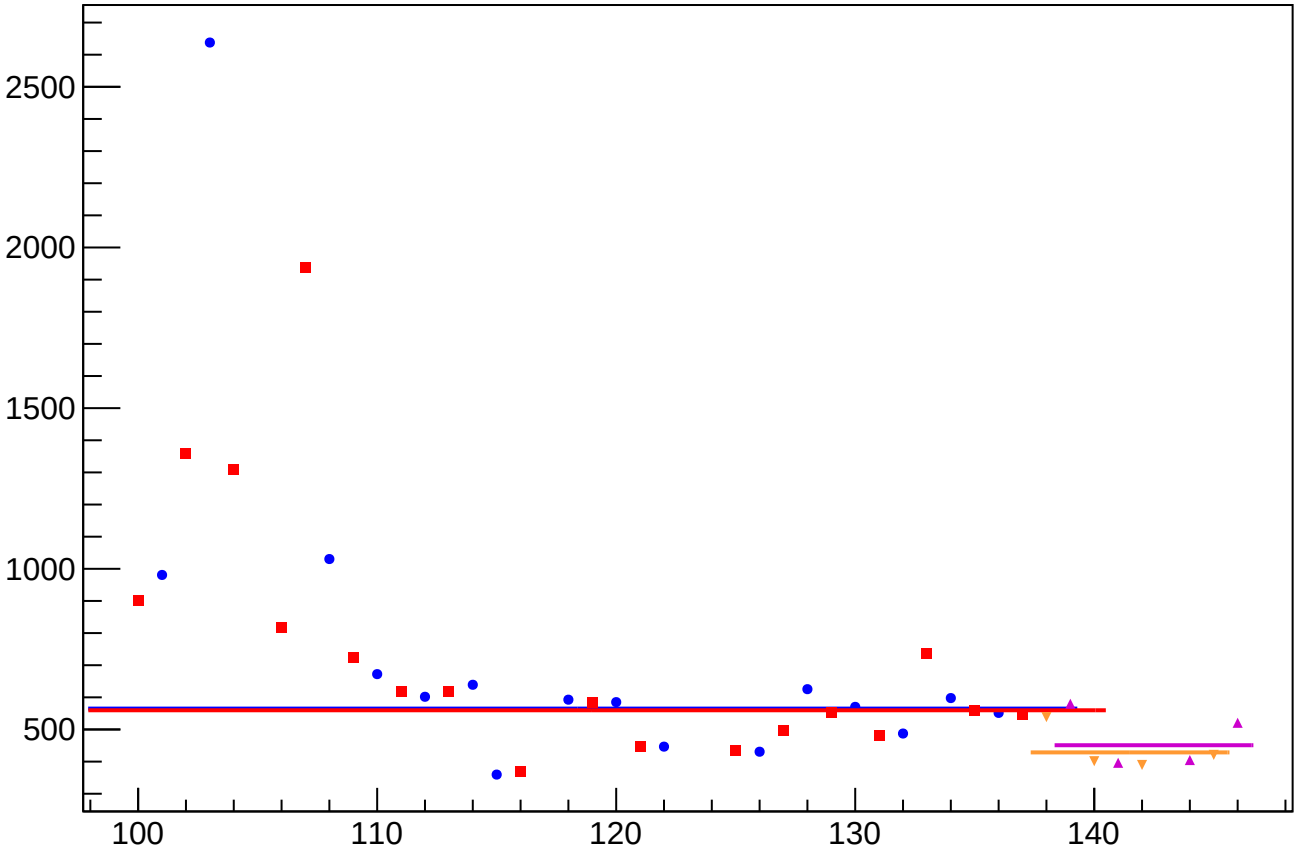
Left In: -134.514+/-243.573 χ^2/NDF:2.1/3

+ sign -47.469+/-168.181 χ^2/NDF: 33.2/19

All: -174.849+/-117.671 χ^2/NDF: 53.2/41

- sign -297.006+/-164.697 χ^2/NDF: 18.9/21

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 428.649+/-0.181 χ^2/NDF:81008.0/3

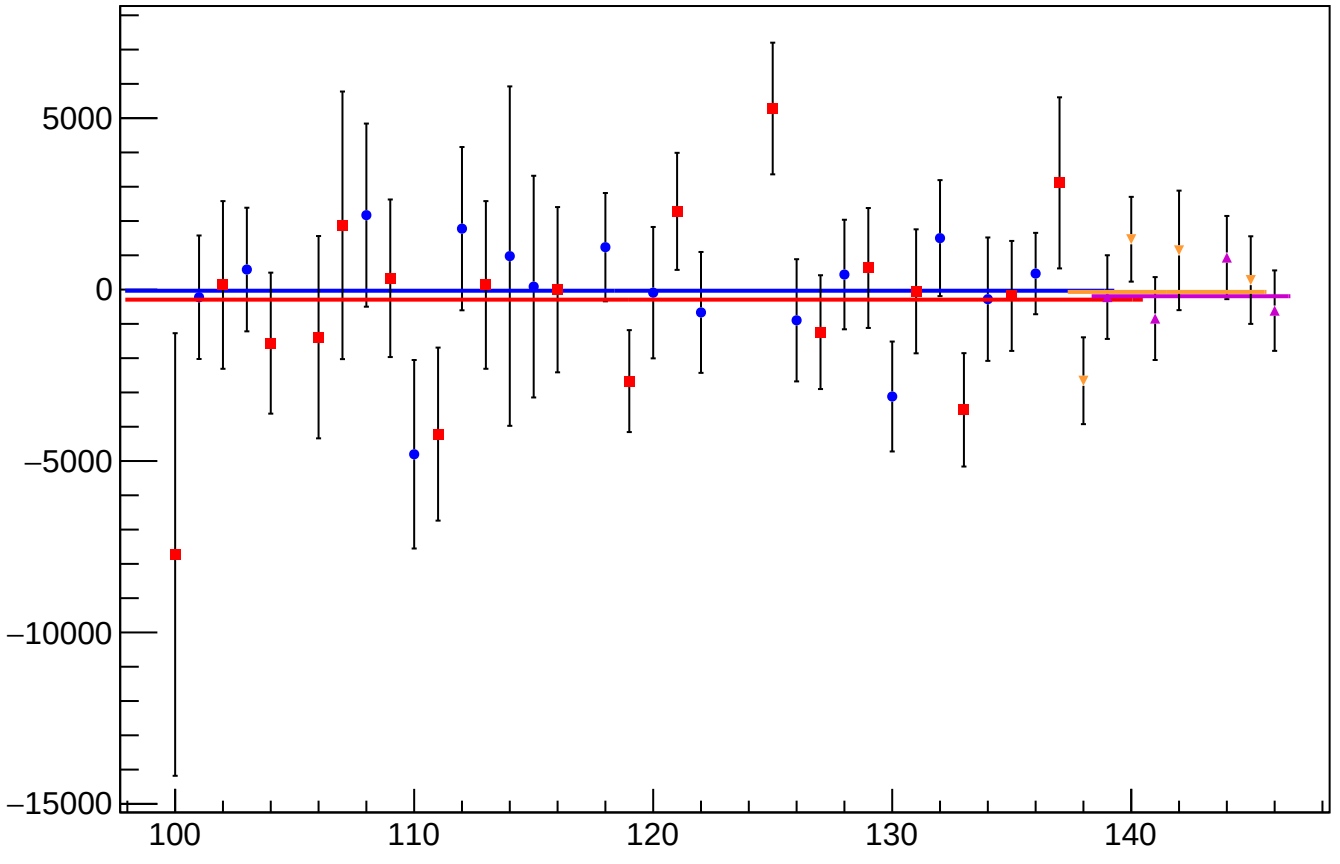
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 450.977+/-0.172 χ^2/NDF:172549.2/3

+ sign 506.269+/-0.119 χ^2/NDF: 1687552.8/19

All: 508.185+/-0.083 χ^2/NDF: 3406493.7/41

- sign 510.022+/-0.116 χ^2/NDF: 1718432.5/21



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -67.894+/-671.219 χ^2/NDF:6.3/3

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

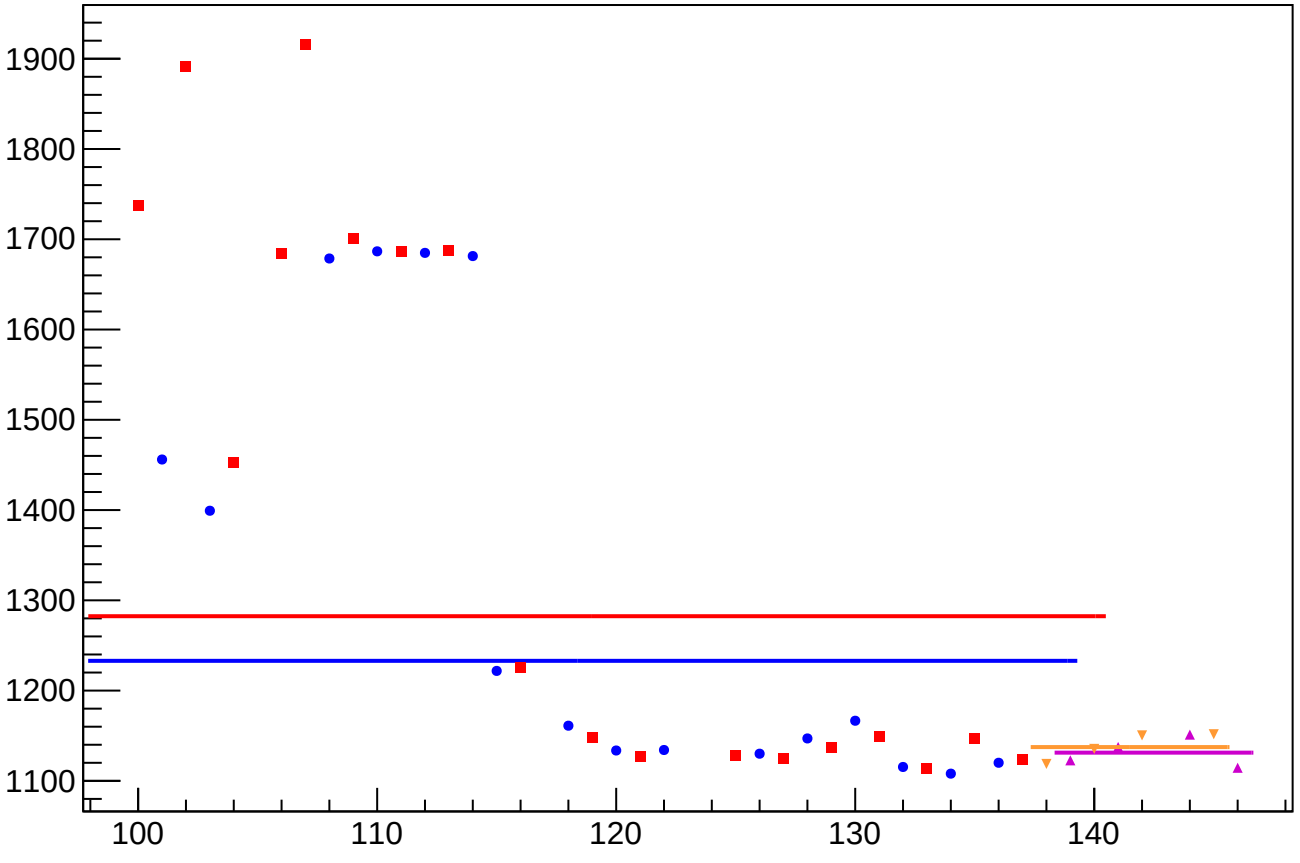
Left In: -193.913+/-601.799 χ^2/NDF:1.3/3

+ sign -44.299+/-381.244 χ^2/NDF: 16.5/19

All: -150.468+/-268.096 χ^2/NDF: 42.2/41

- sign -254.331+/-377.079 χ^2/NDF: 25.5/21

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1137.421+/-0.475 χ^2/NDF:798.3/3

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

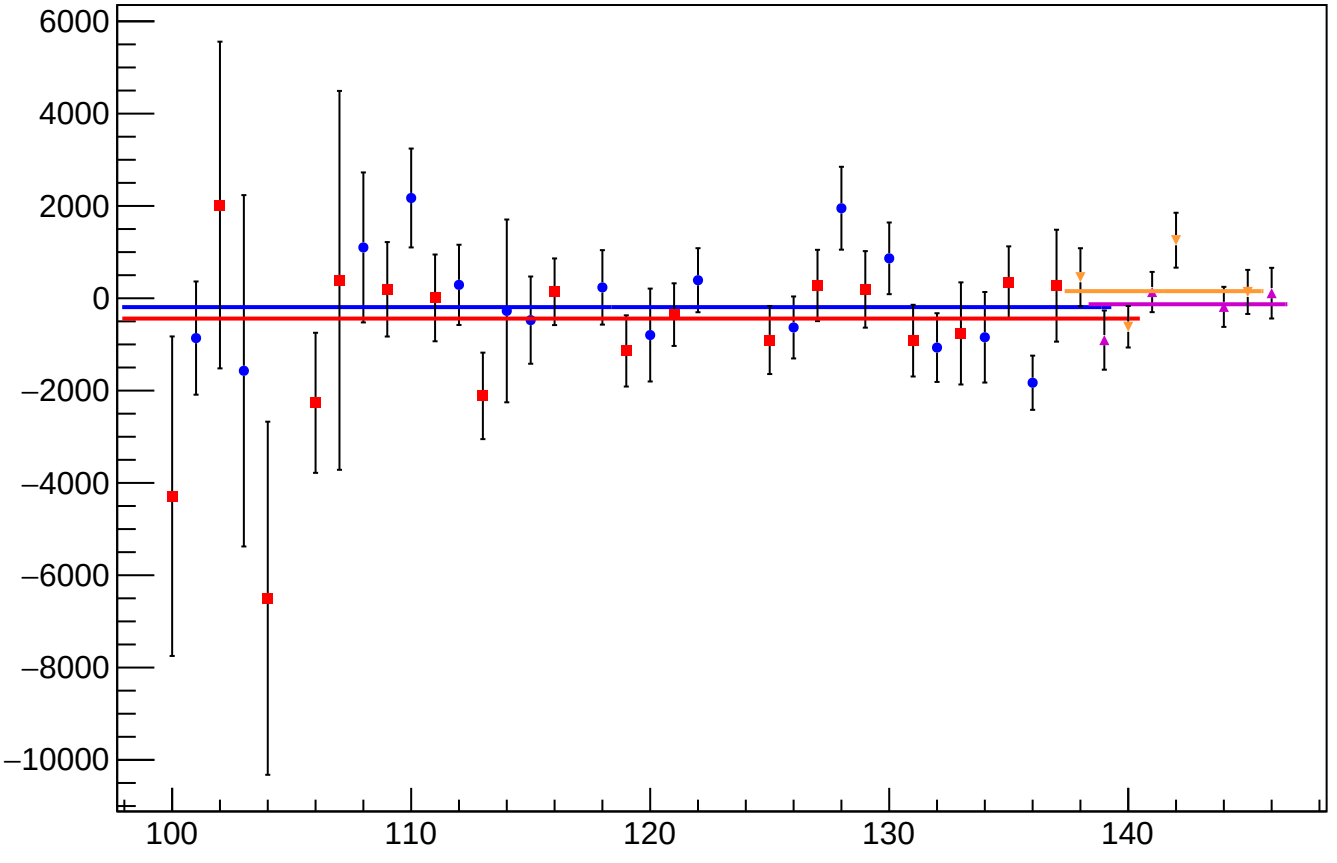
Left In: 1131.255+/-0.426 χ^2/NDF:1100.5/3

+ sign 1202.142+/-0.270 χ^2/NDF: 343719.3/19

All: 1212.717+/-0.190 χ^2/NDF: 967901.9/41

- sign 1223.063+/-0.267 χ^2/NDF: 621138.0/21

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: 154.324+/-260.870 χ^2/NDF:6.6/3

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

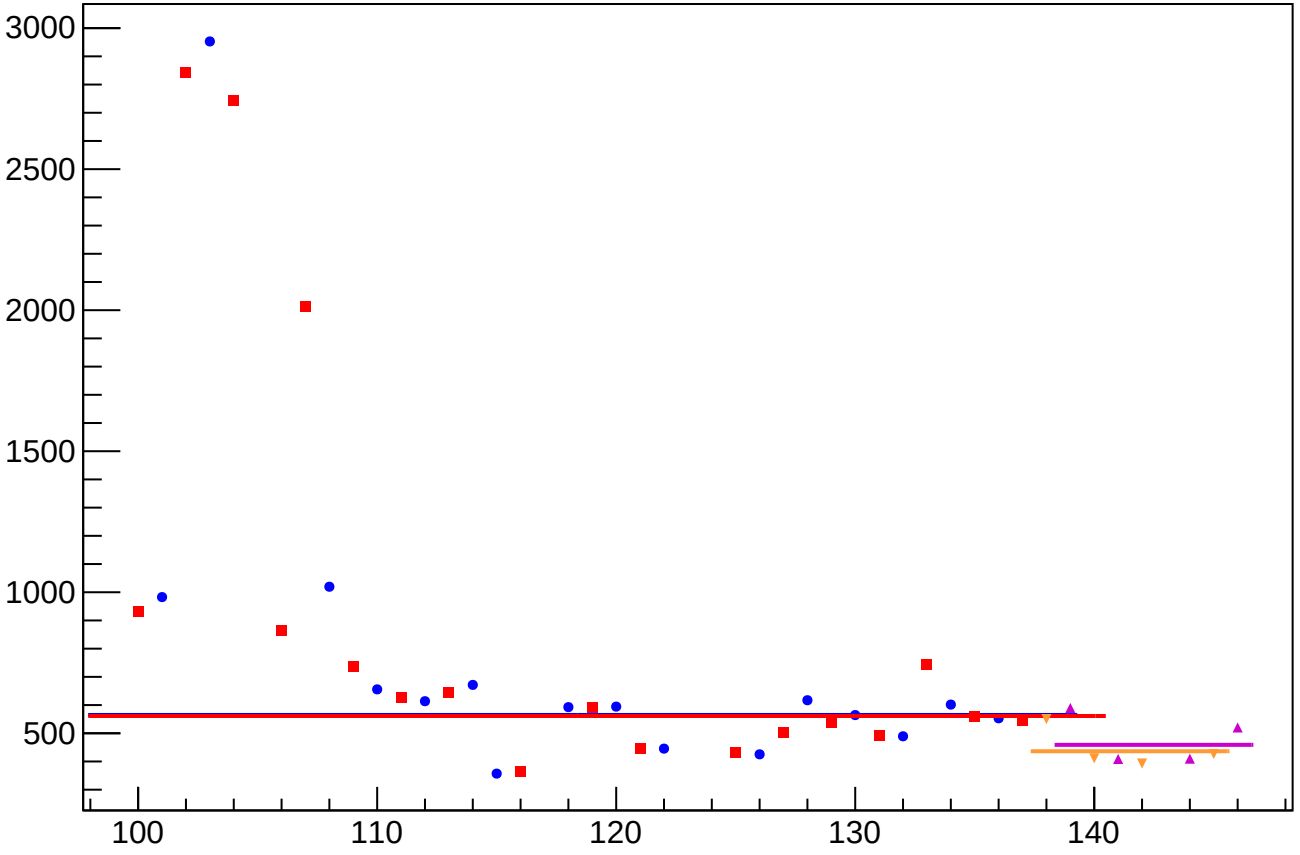
Left In: -129.554+/-247.532 χ^2/NDF:2.0/3

\+ sign -45.684+/-169.404 χ^2/NDF: 32.9/19

All: -173.661+/-118.979 χ^2/NDF: 51.6/41

\- sign -298.244+/-167.142 χ^2/NDF: 17.5/21

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 436.256+/-0.184 χ^2/NDF:83819.3/3

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

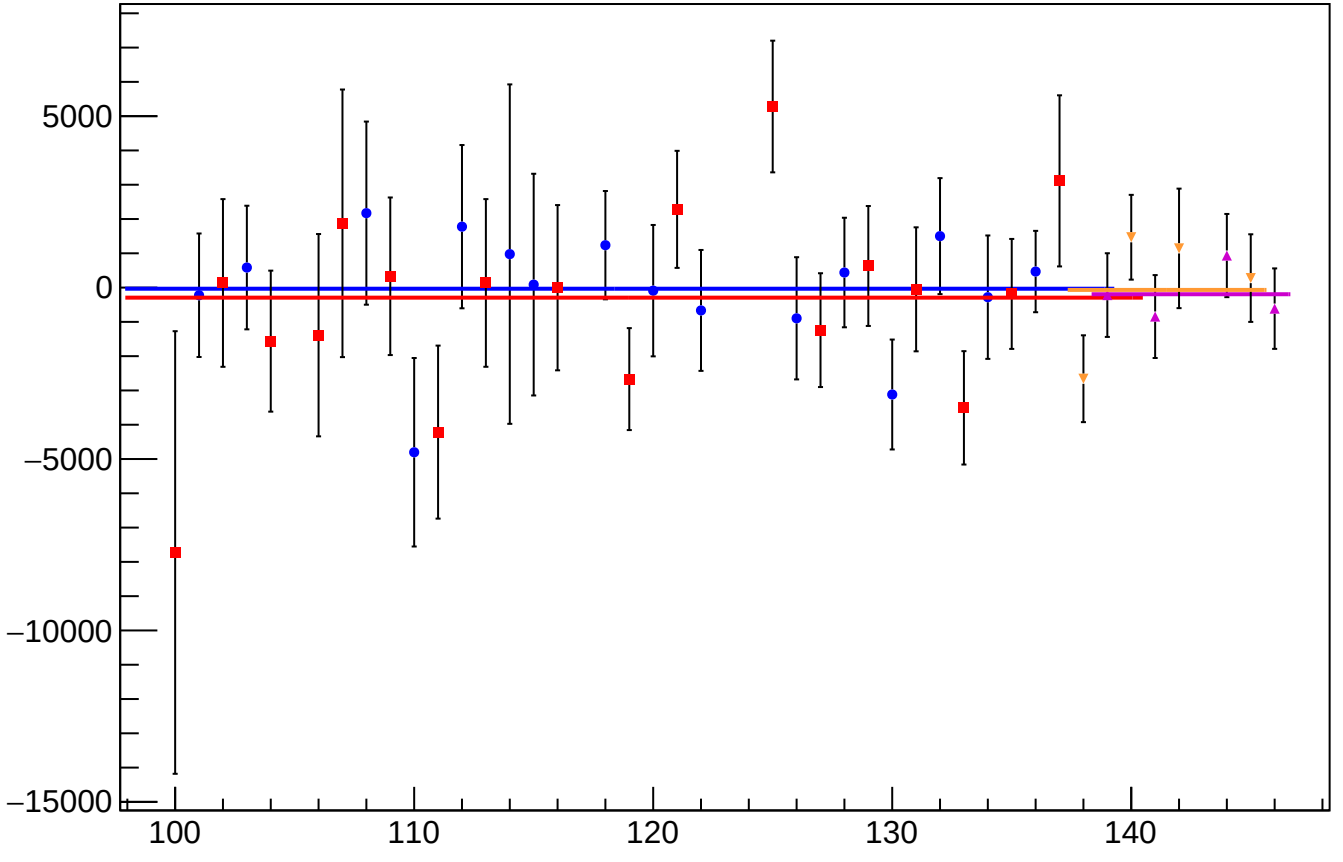
Left In: 458.934+/-0.175 χ^2/NDF:160071.3/3

+ sign 510.634+/-0.120 χ^2/NDF: 1845336.2/19

All: 512.650+/-0.084 χ^2/NDF: 4465331.4/41

- sign 514.613+/-0.118 χ^2/NDF: 2619436.3/21

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -67.894+/-671.219 χ^2/NDF:6.3/3

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

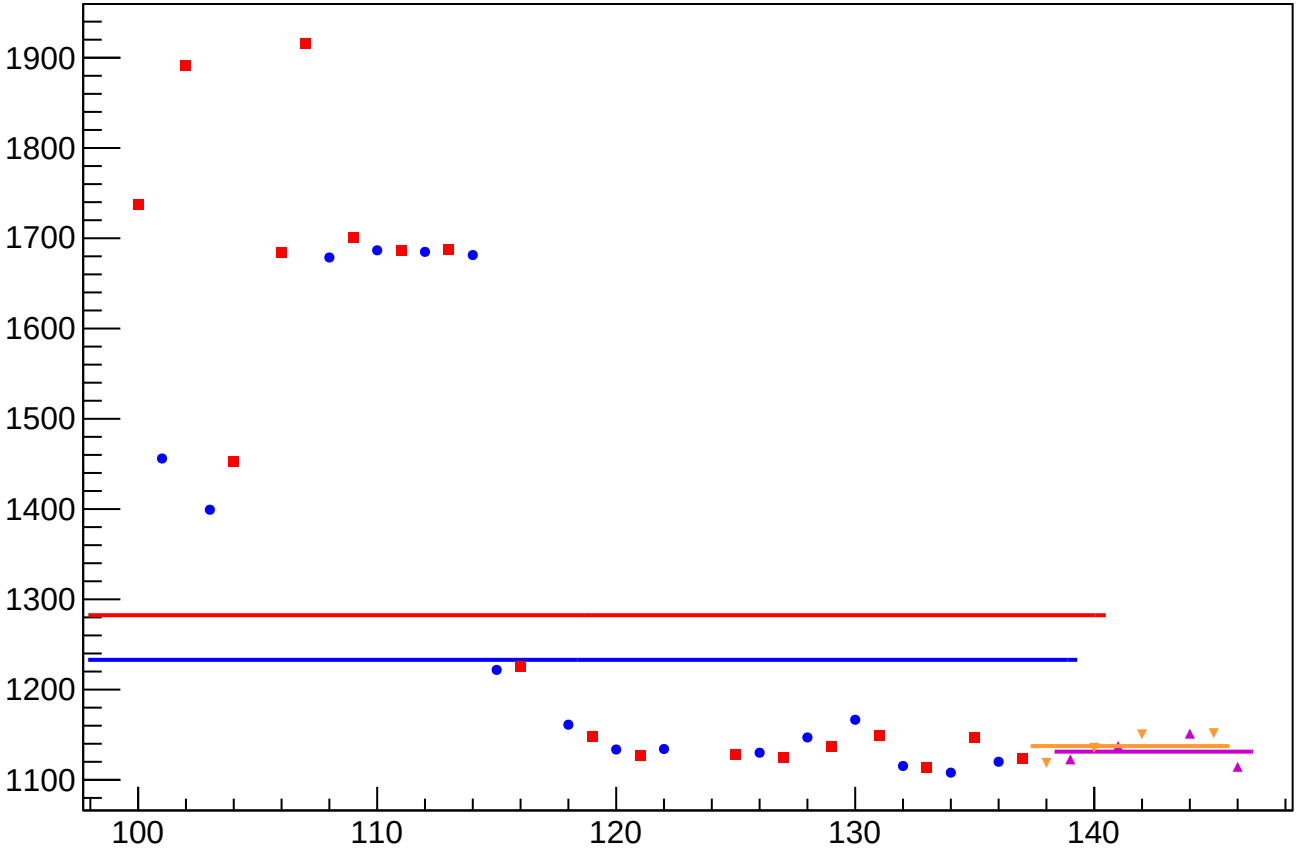
Left In: -193.914+/-601.799 χ^2/NDF:1.3/3

+ sign -44.299+/-381.244 χ^2/NDF: 16.5/19

All: -150.468+/-268.096 χ^2/NDF: 42.2/41

- sign -254.331+/-377.079 χ^2/NDF: 25.5/21

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1137.421+/-0.475 χ^2/NDF:798.3/3

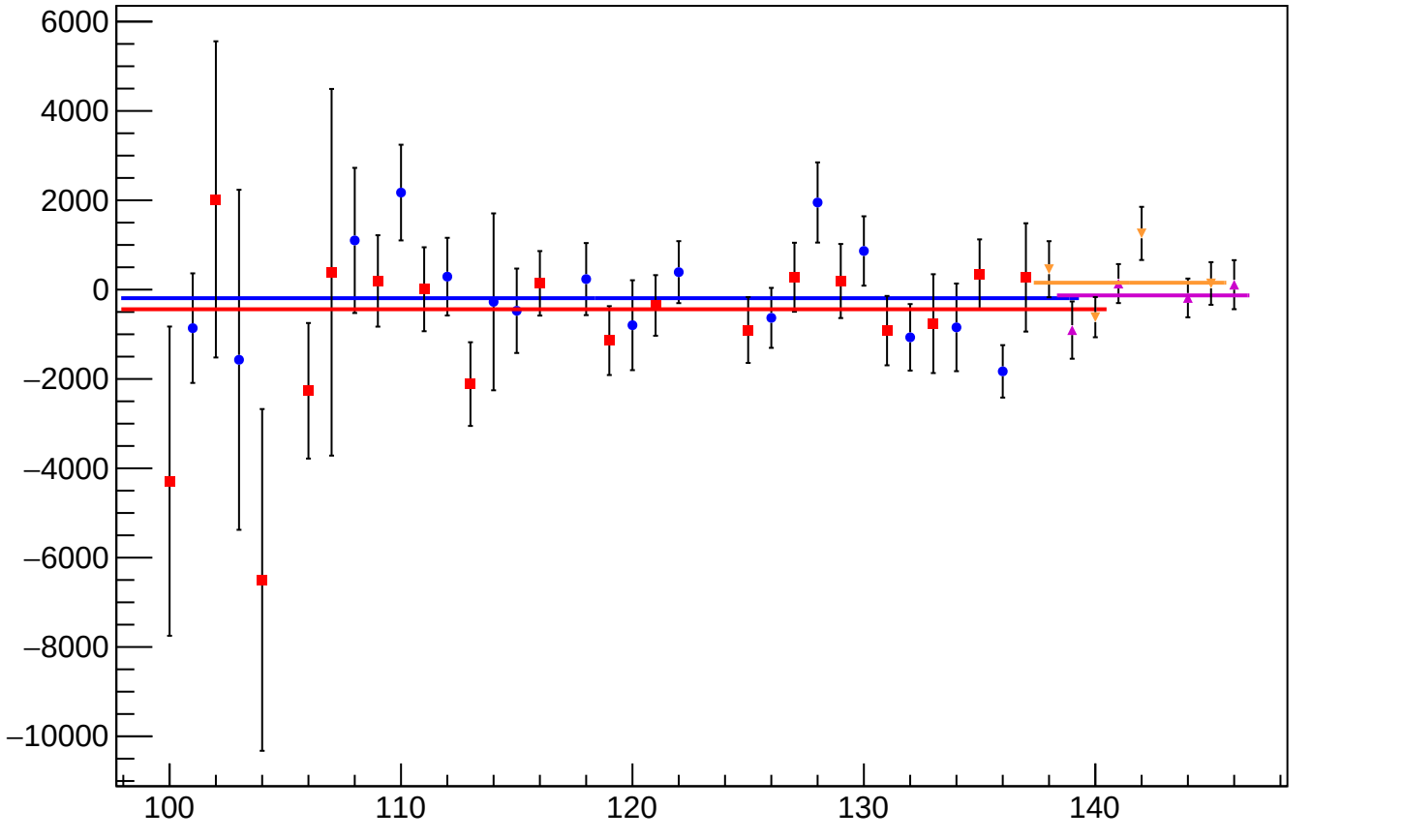
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.255+/-0.426 χ^2/NDF:1100.5/3

+ sign 1202.141+/-0.270 χ^2/NDF: 343718.9/19

All: 1212.717+/-0.190 χ^2/NDF: 967900.8/41

- sign 1223.063+/-0.267 χ^2/NDF: 621137.4/21



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: 154.324+/-260.869 χ^2/NDF:6.6/3

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

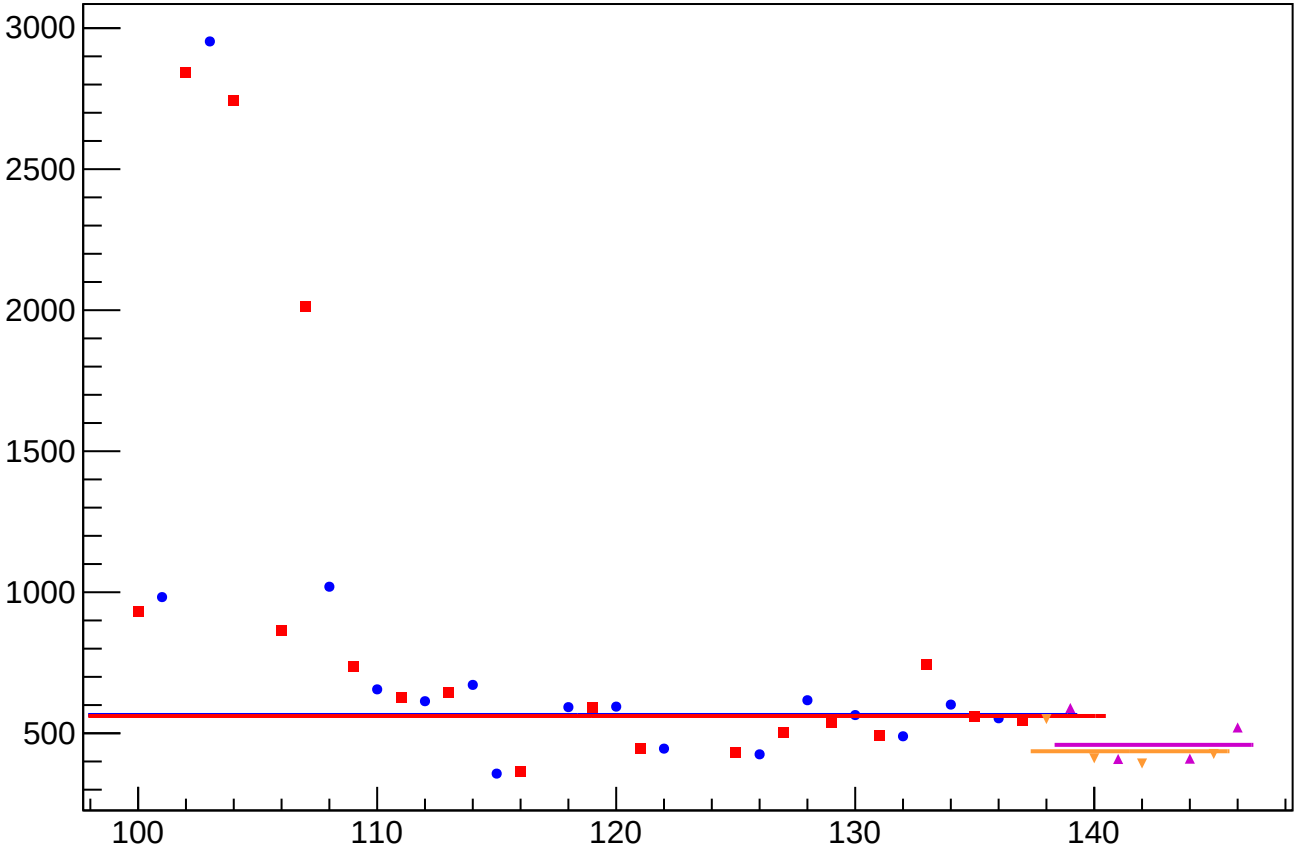
Left In: -129.554+/-247.531 χ^2/NDF:2.0/3

\+ sign -45.683+/-169.403 χ^2/NDF: 32.9/19

All: -173.661+/-118.978 χ^2/NDF: 51.6/41

\- sign -298.243+/-167.141 χ^2/NDF: 17.5/21

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 436.254+/-0.184 χ^2/NDF:83823.6/3

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

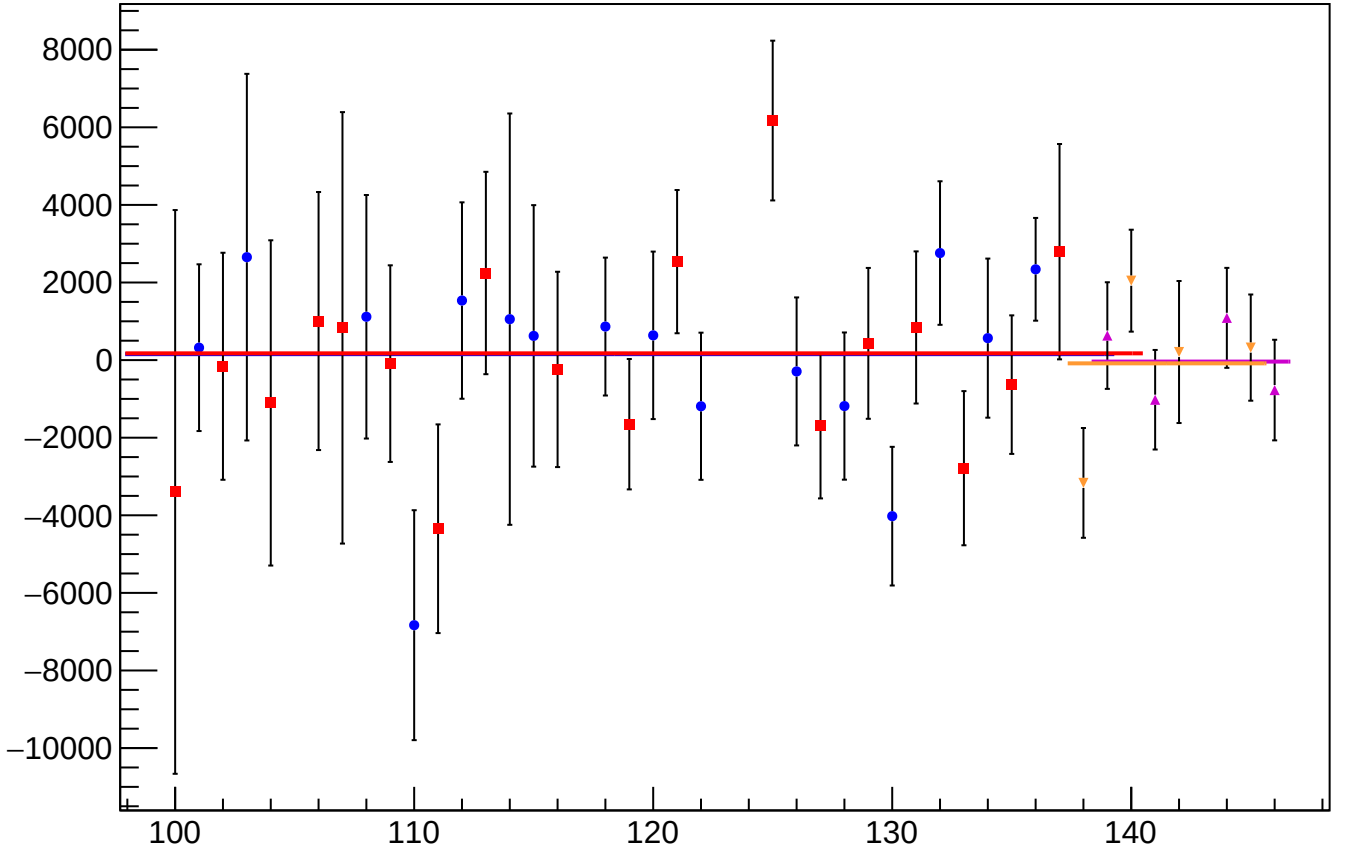
Left In: 458.933+/-0.175 χ^2/NDF:160076.3/3

+ sign 510.633+/-0.120 χ^2/NDF: 1845346.9/19

All: 512.649+/-0.084 χ^2/NDF: 4465352.3/41

- sign 514.612+/-0.118 χ^2/NDF: 2619446.4/21

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: -83.953+/-723.349 χ^2/NDF:7.5/3

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

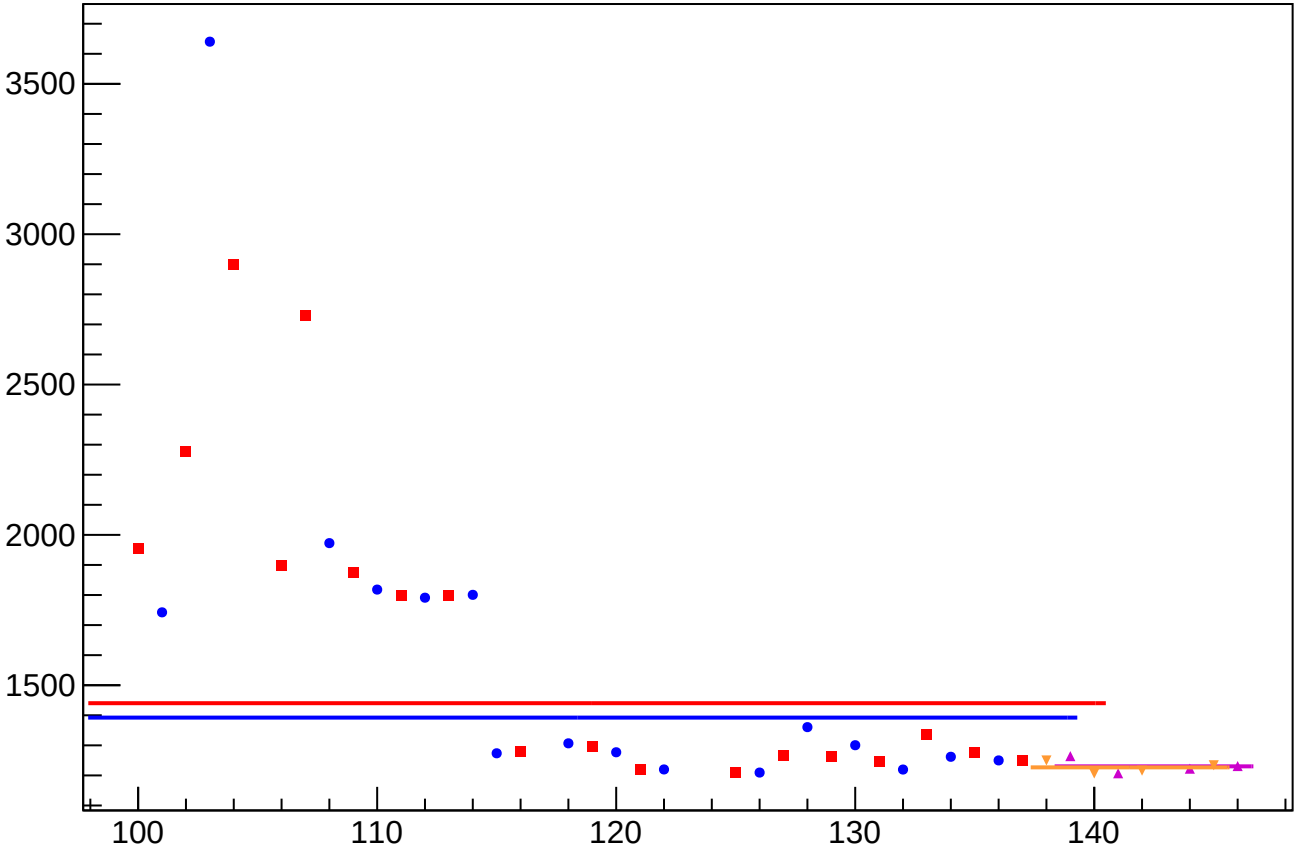
Left In: -38.218+/-654.486 χ^2/NDF:1.9/3

+ sign 70.045+/-428.621 χ^2/NDF: 25.3/19

All: 78.327+/-300.398 χ^2/NDF: 47.0/41

- sign 86.321+/-421.133 χ^2/NDF: 21.6/21

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1226.801+/-0.511 χ^2/NDF:1135.0/3

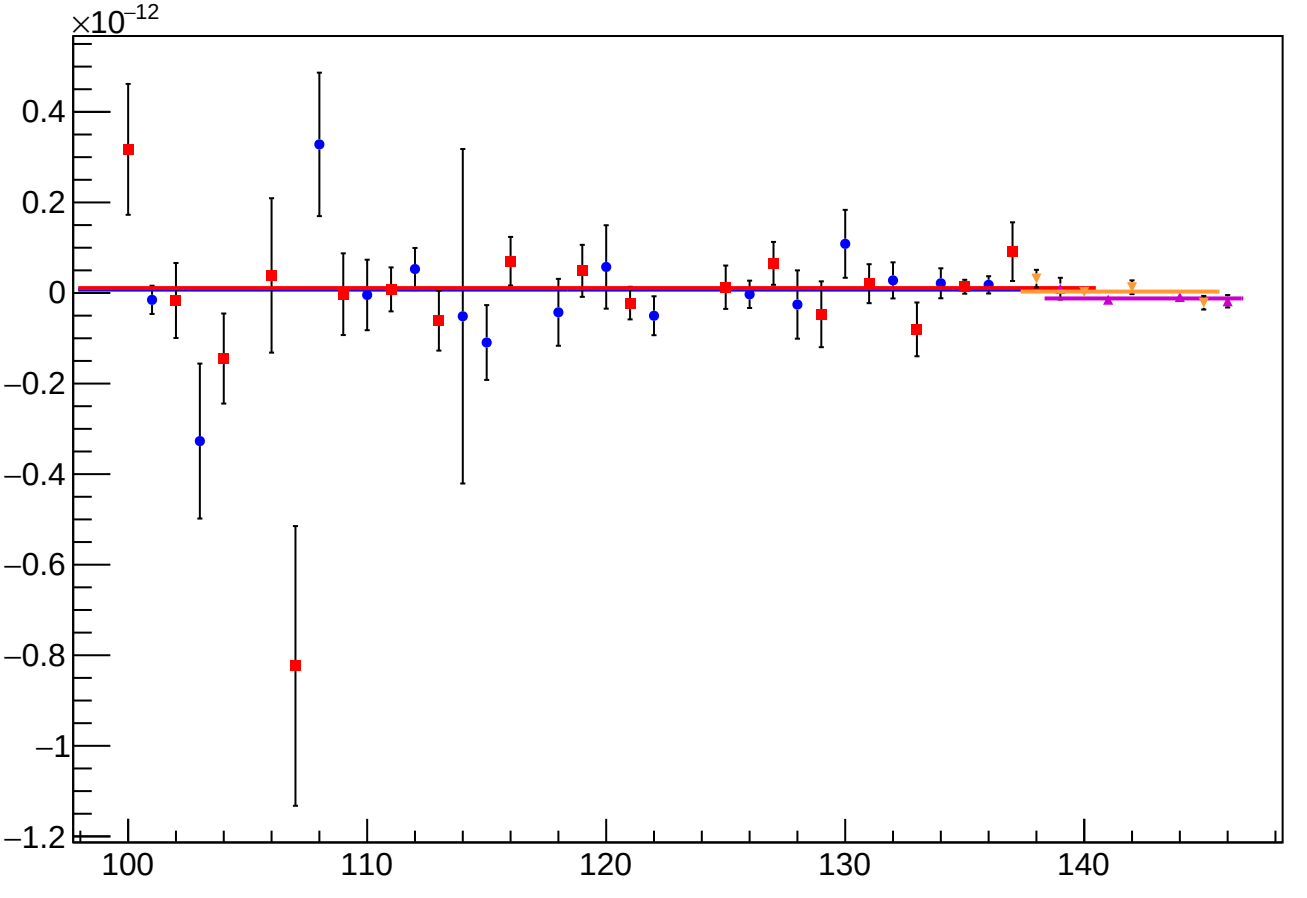
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1230.183+/-0.463 χ^2/NDF:1942.4/3

+ sign 1334.190+/-0.303 χ^2/NDF: 848309.7/19

All: 1343.892+/-0.212 χ^2/NDF: 1827850.7/41

- sign 1353.258+/-0.298 χ^2/NDF: 977526.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

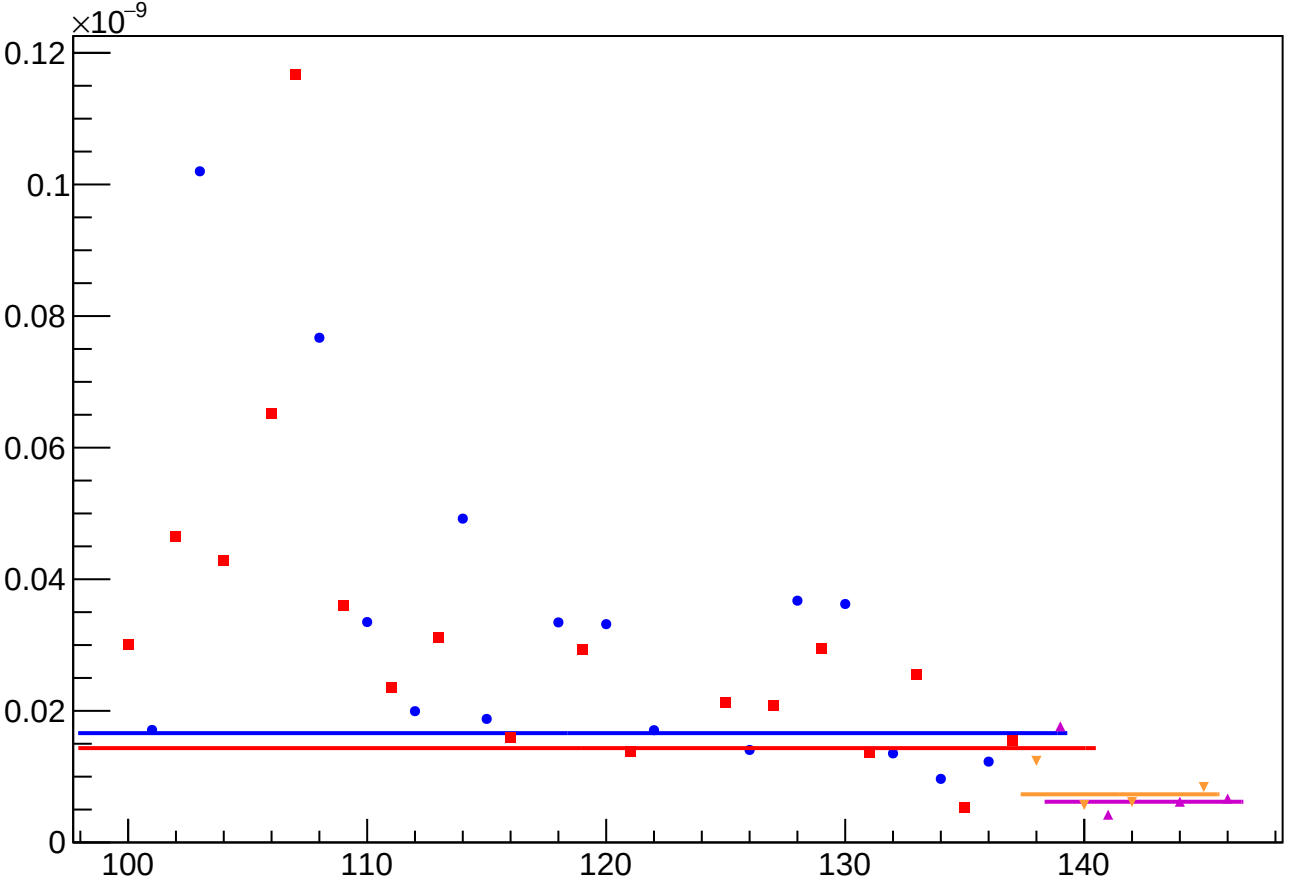
Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.2/19

All: -0.000+/-0.000 χ^2/NDF: 52.8/41

- sign -0.000+/-0.000 χ^2/NDF: 28.7/21

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:202074.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

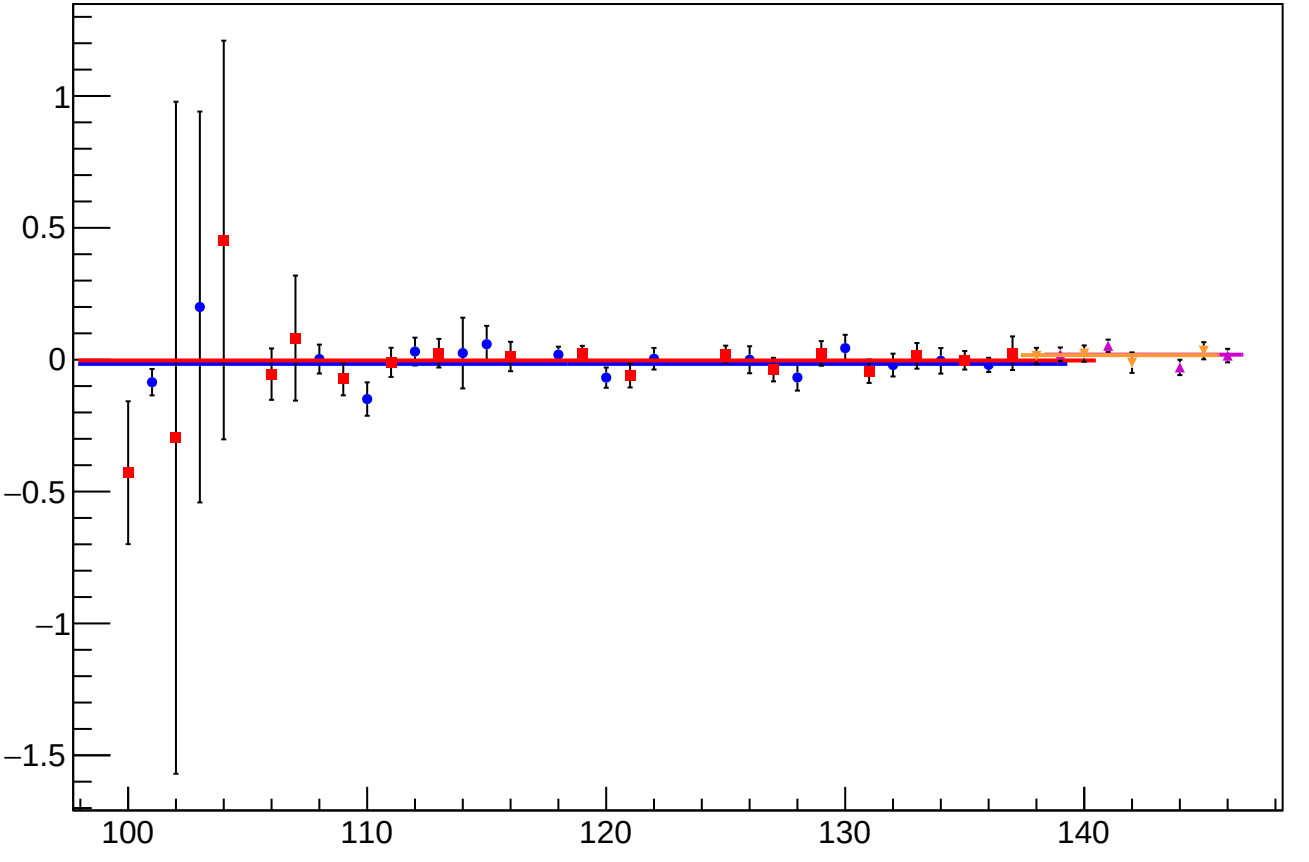
Left In: 0.000+/-0.000 χ^2/NDF:546560.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 2795758.4/19

All: 0.000+/-0.000 χ^2/NDF: 6607862.1/41

- sign 0.000+/-0.000 χ^2/NDF: 3694930.5/21

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: 0.017+/-0.016 χ^2/NDF:0.8/3

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

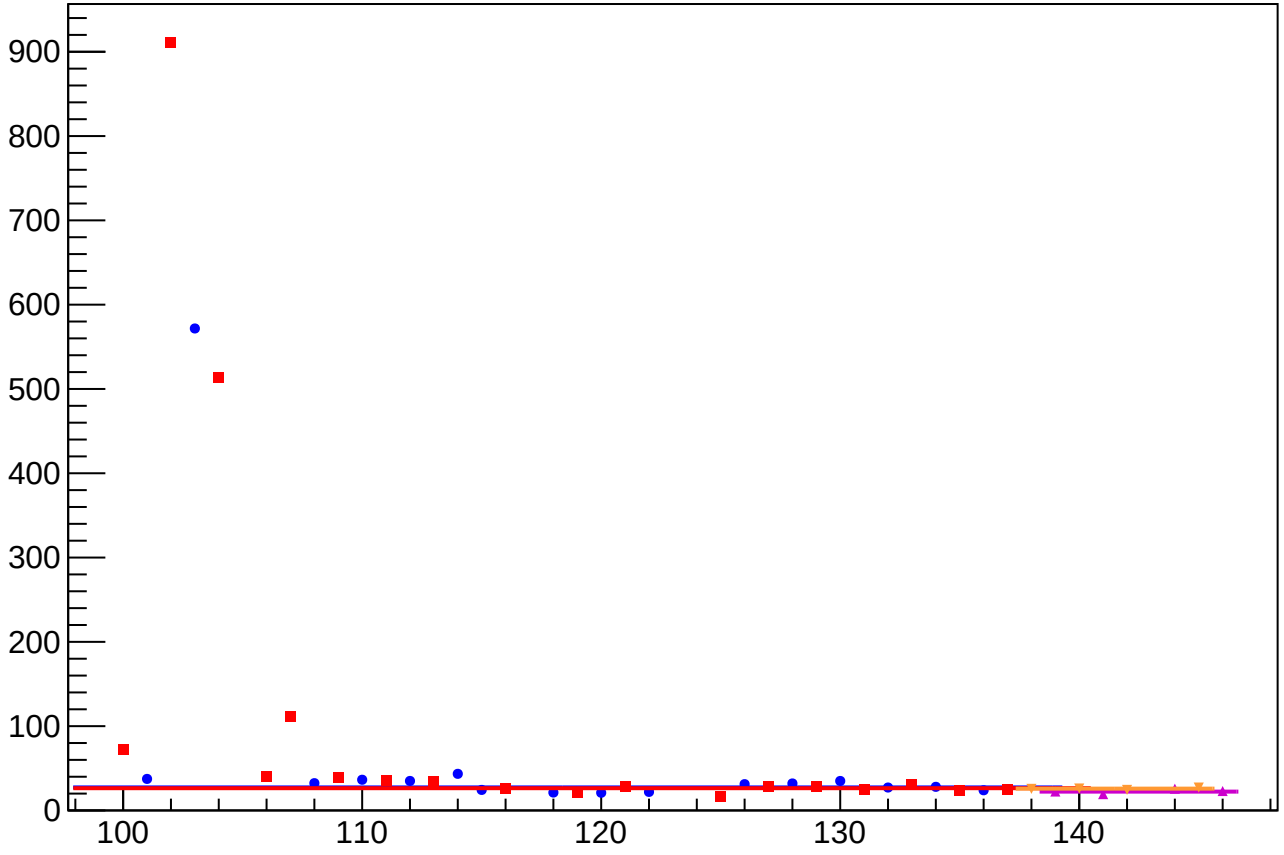
Left In: 0.019+/-0.013 χ^2/NDF:4.8/3

+ sign -0.005+/-0.009 χ^2/NDF: 18.2/19

All: 0.002+/-0.006 χ^2/NDF: 35.3/41

- sign 0.007+/-0.009 χ^2/NDF: 16.3/21

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: 25.892+/-0.012 χ^2/NDF:6225.7/3

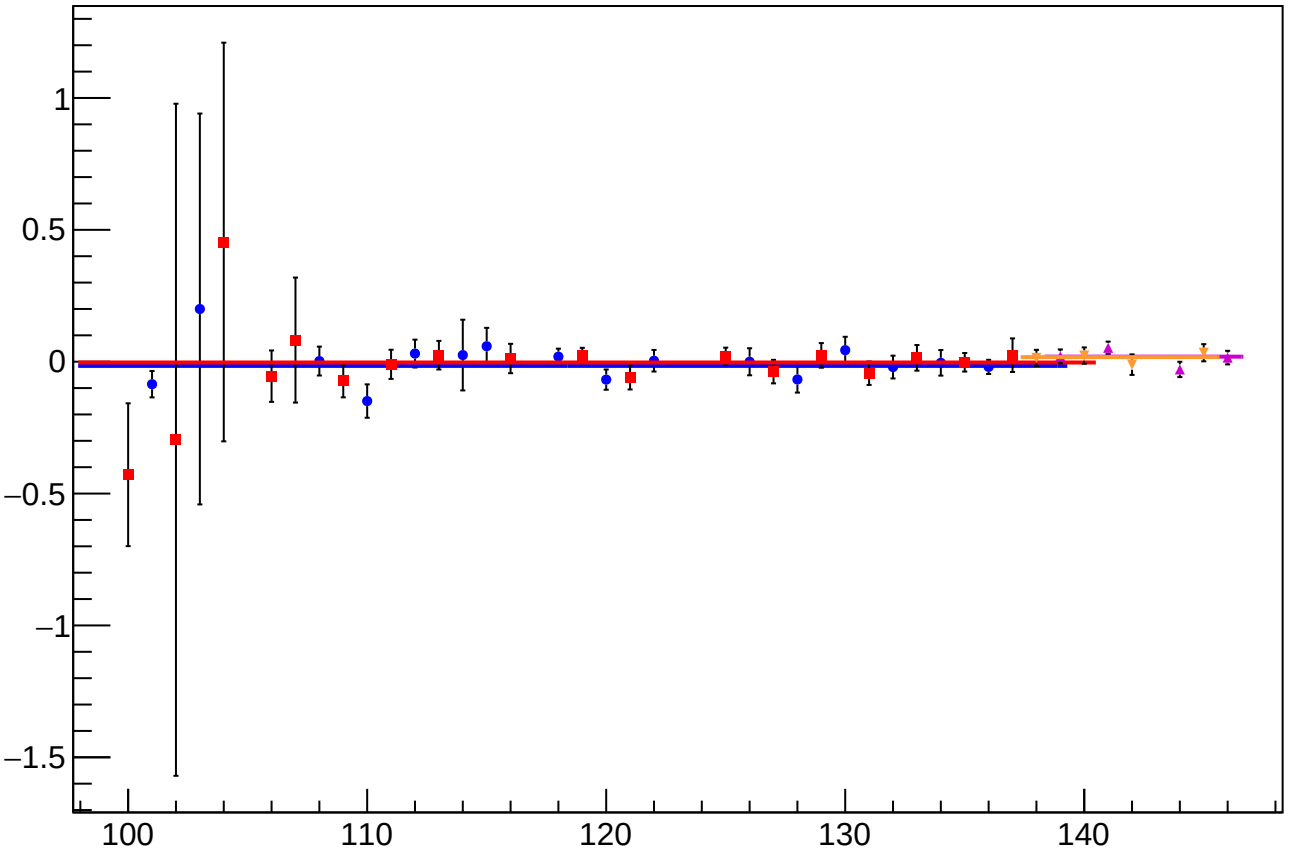
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62193.9/3

+ sign 26.836+/-0.007 χ^2/NDF: 1584471.6/19

All: 25.602+/-0.005 χ^2/NDF: 4430033.1/41

- sign 24.528+/-0.006 χ^2/NDF: 2781767.0/21



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.017+/-0.016 χ^2/NDF:0.8/3

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

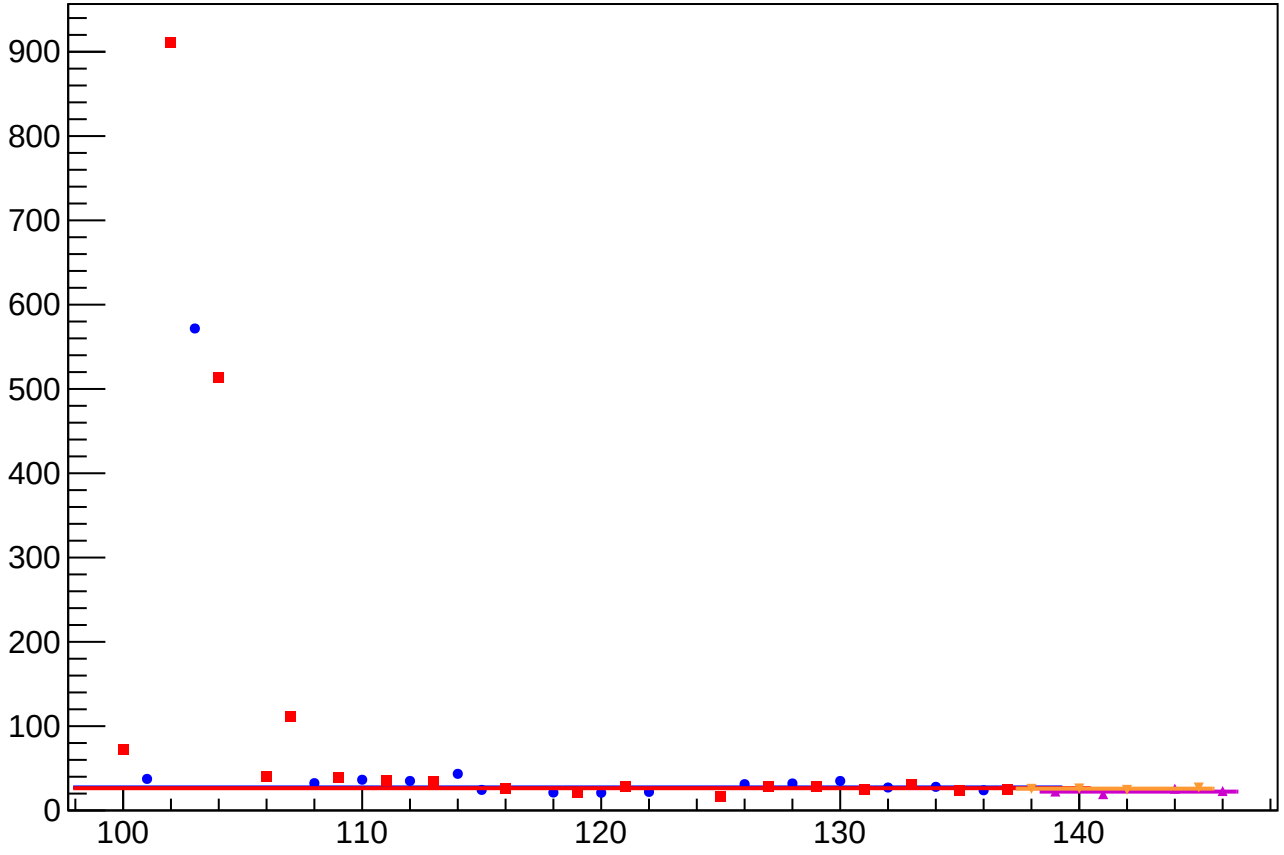
Left In: 0.019+/-0.013 χ^2/NDF:4.8/3

+ sign -0.005+/-0.009 χ^2/NDF: 18.2/19

All: 0.002+/-0.006 χ^2/NDF: 35.3/41

- sign 0.007+/-0.009 χ^2/NDF: 16.3/21

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: 25.892+/-0.012 χ^2/NDF:6225.7/3

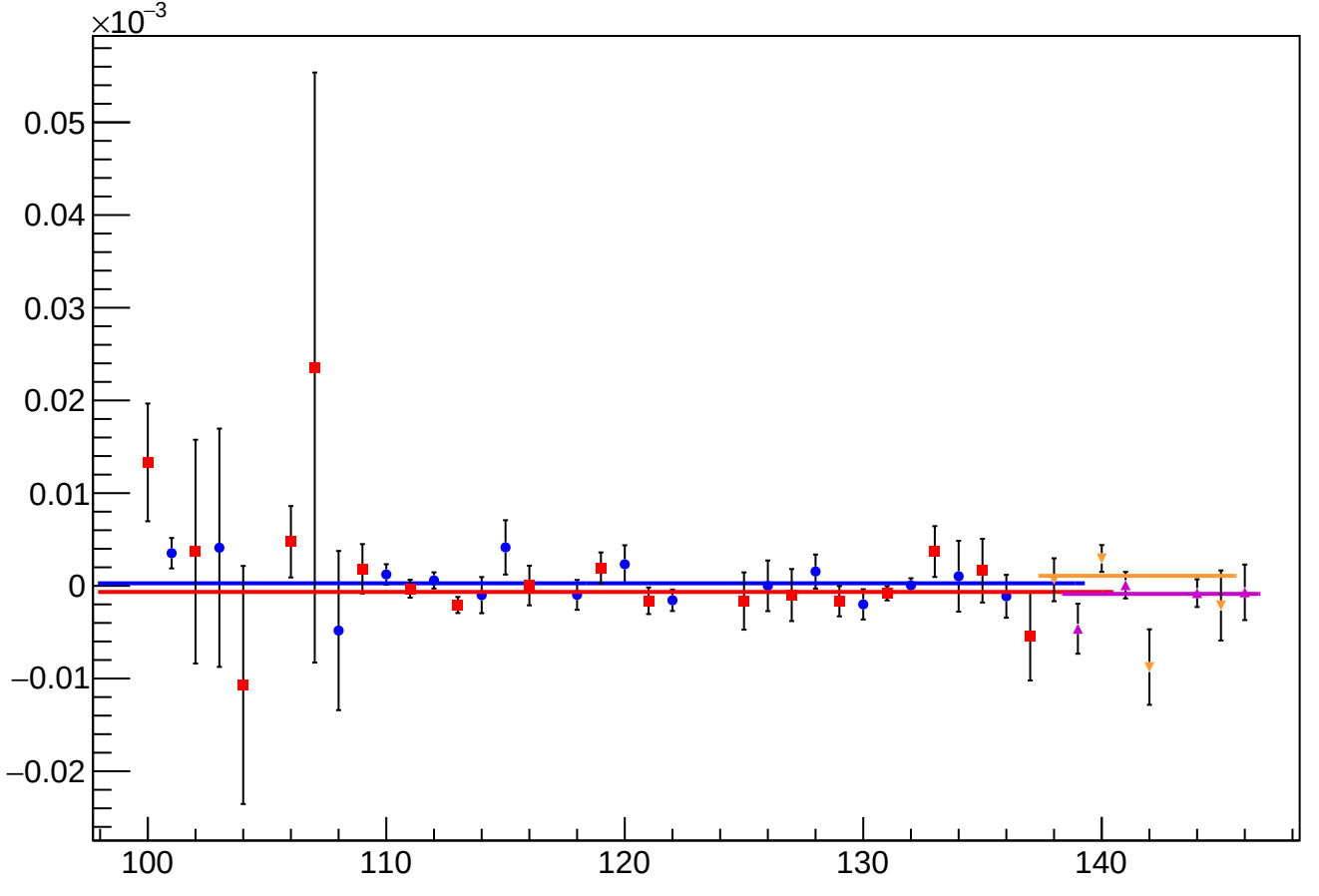
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62193.9/3

+ sign 26.836+/-0.007 χ^2/NDF: 1584471.6/19

All: 25.602+/-0.005 χ^2/NDF: 4430033.1/41

- sign 24.528+/-0.006 χ^2/NDF: 2781767.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

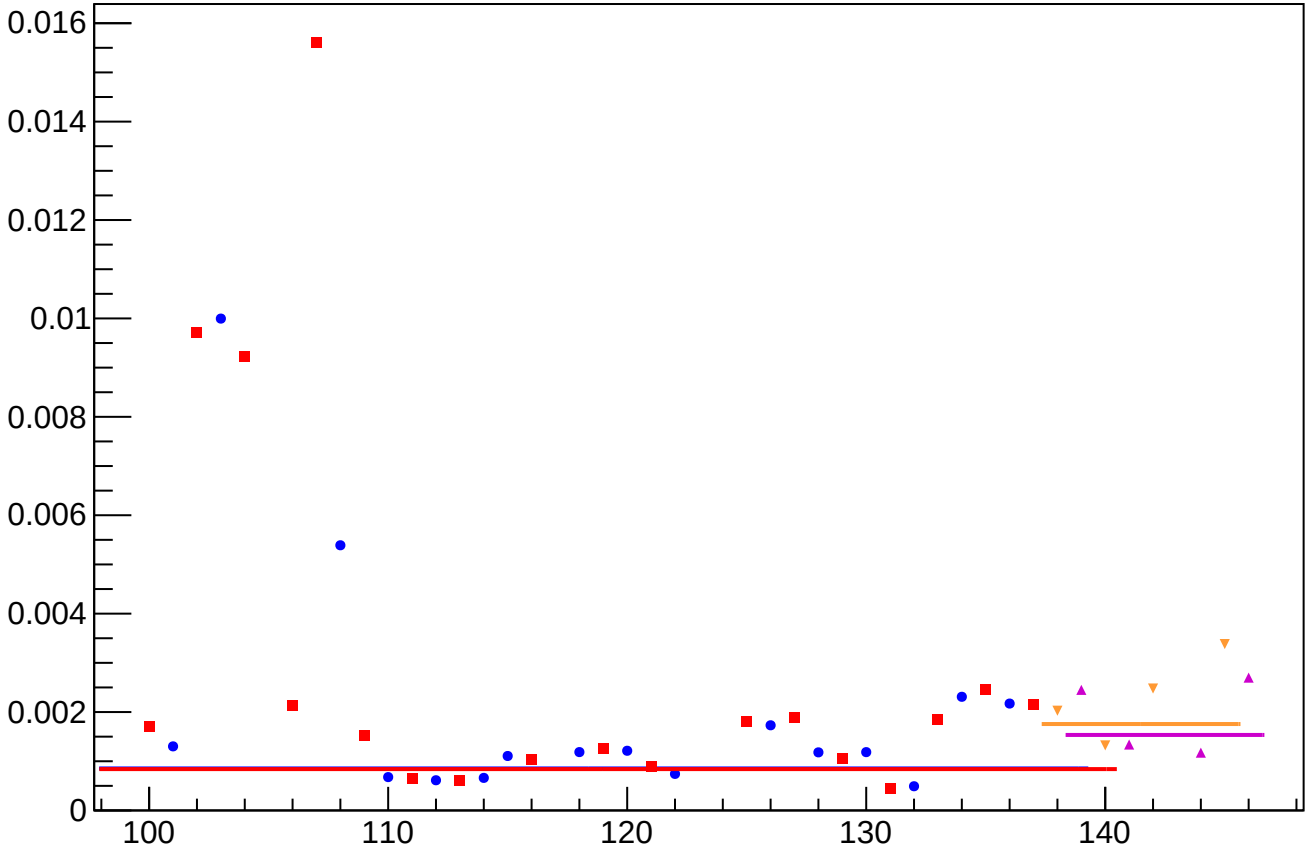
Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/19

All: -0.000+/-0.000 χ^2/NDF: 49.1/41

- sign -0.000+/-0.000 χ^2/NDF: 21.7/21

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:640394.4/3

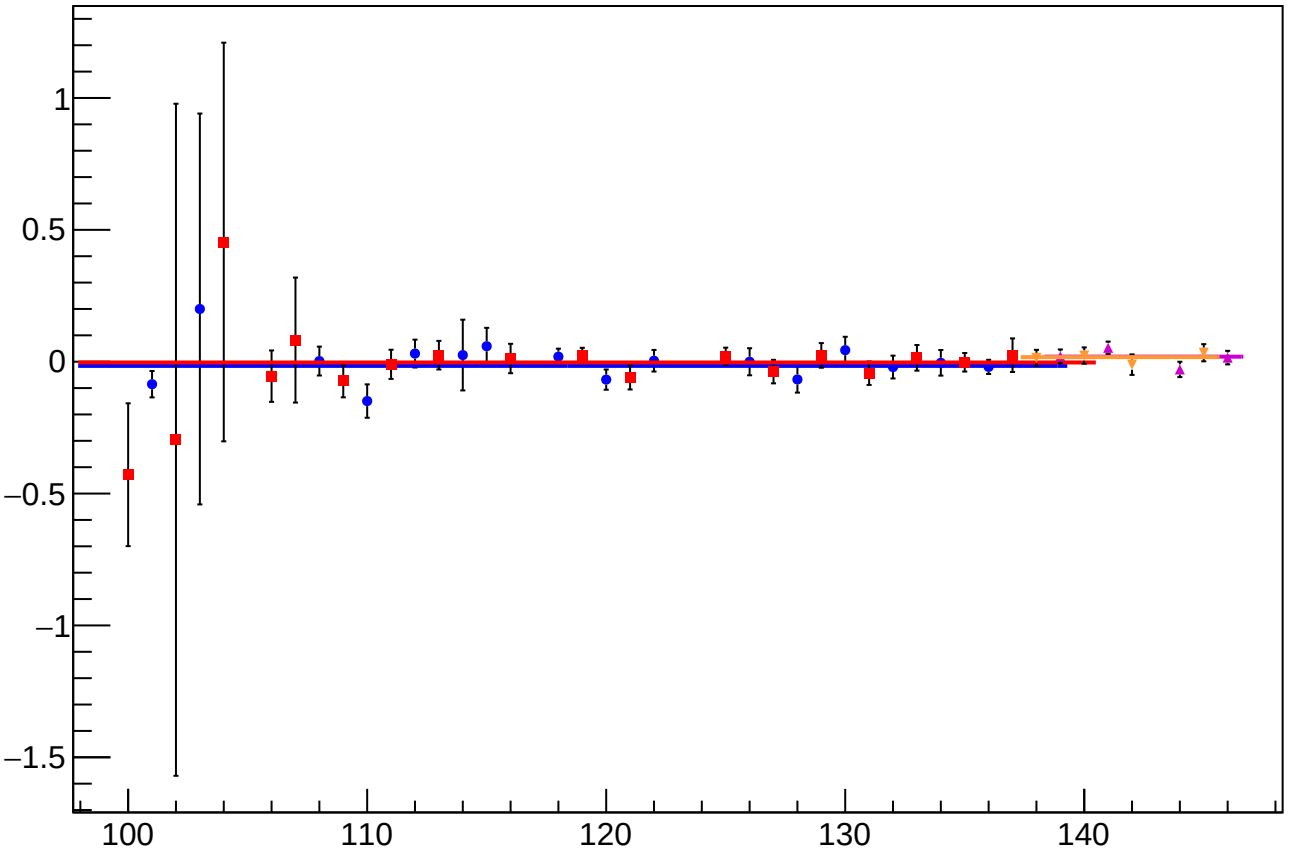
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:686313.9/3

+ sign 0.001+/-0.000 χ^2/NDF: 5669652.7/19

All: 0.001+/-0.000 χ^2/NDF: 12355766.6/41

- sign 0.001+/-0.000 χ^2/NDF: 6685832.2/21



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.017+/-0.016 χ^2/NDF:0.8/3

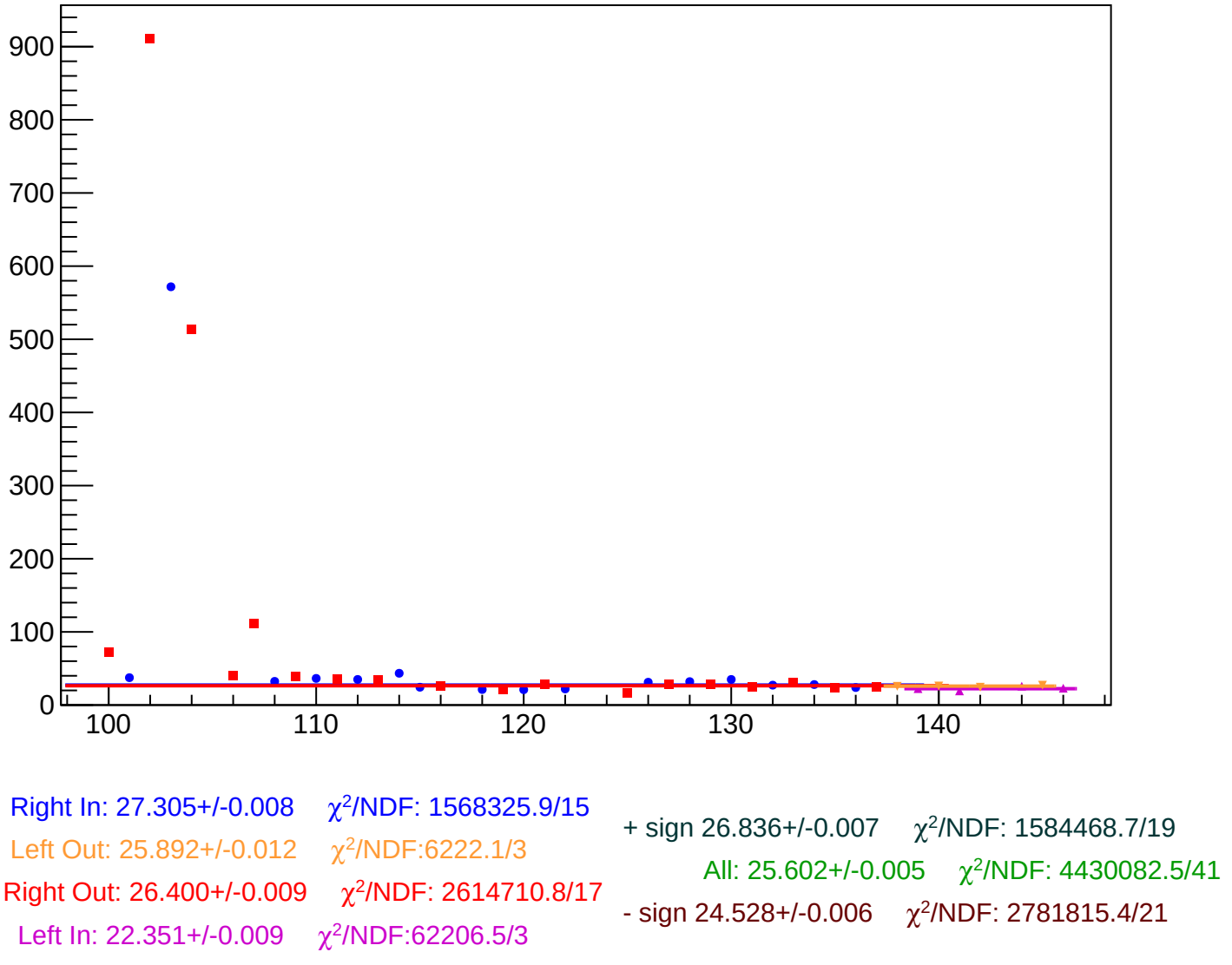
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

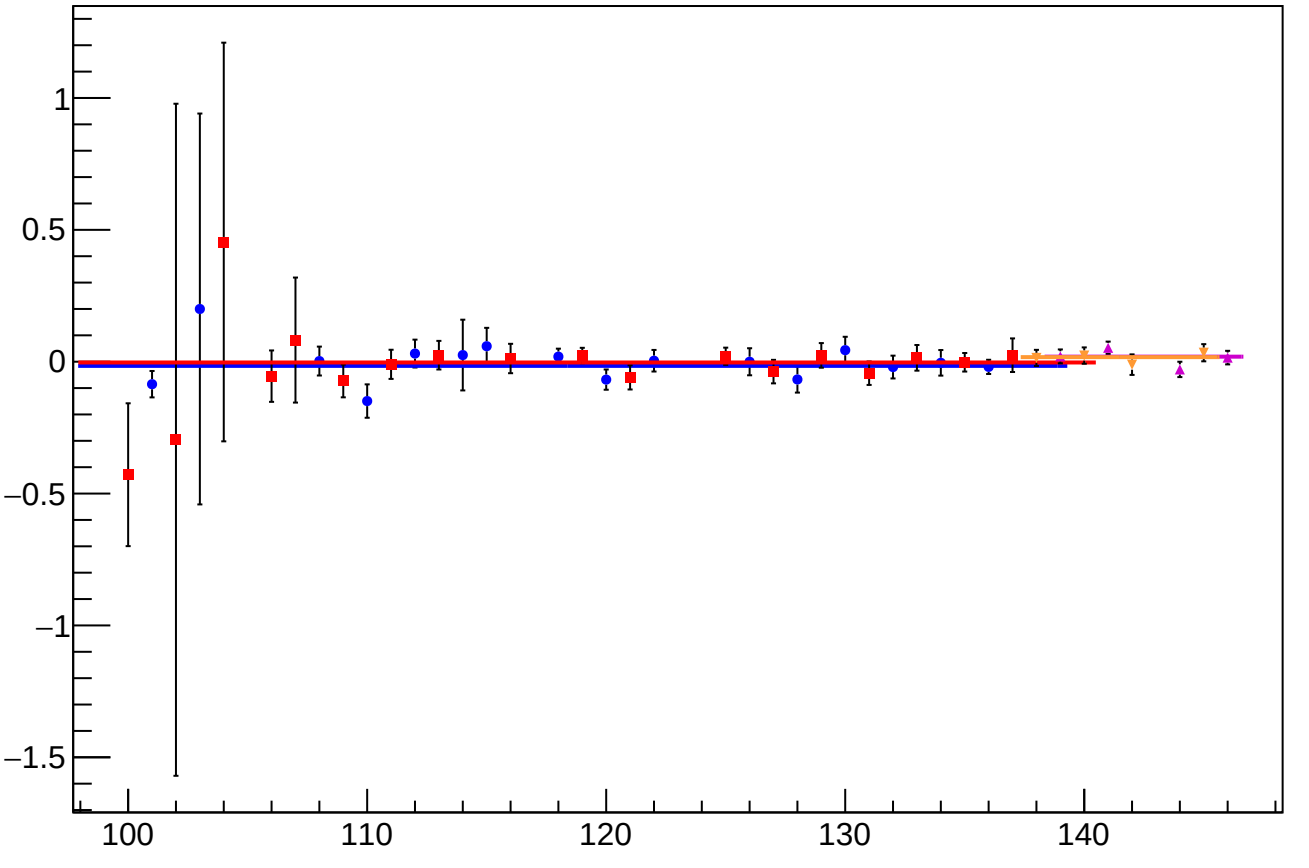
Left In: 0.019+/-0.013 χ^2/NDF:4.8/3

\+ sign -0.005+/-0.009 χ^2/NDF: 18.2/19

All: 0.002+/-0.006 χ^2/NDF: 35.3/41

\- sign 0.007+/-0.009 χ^2/NDF: 16.3/21


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 25.892+/-0.012 χ²/NDF:6222.1/3
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 22.351+/-0.009 χ²/NDF:62206.5/3
+ sign 26.836+/-0.007 χ²/NDF: 1584468.7/19
All: 25.602+/-0.005 χ²/NDF: 4430082.5/41
- sign 24.528+/-0.006 χ²/NDF: 2781815.4/21



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.017+/-0.016 χ^2/NDF:0.8/3

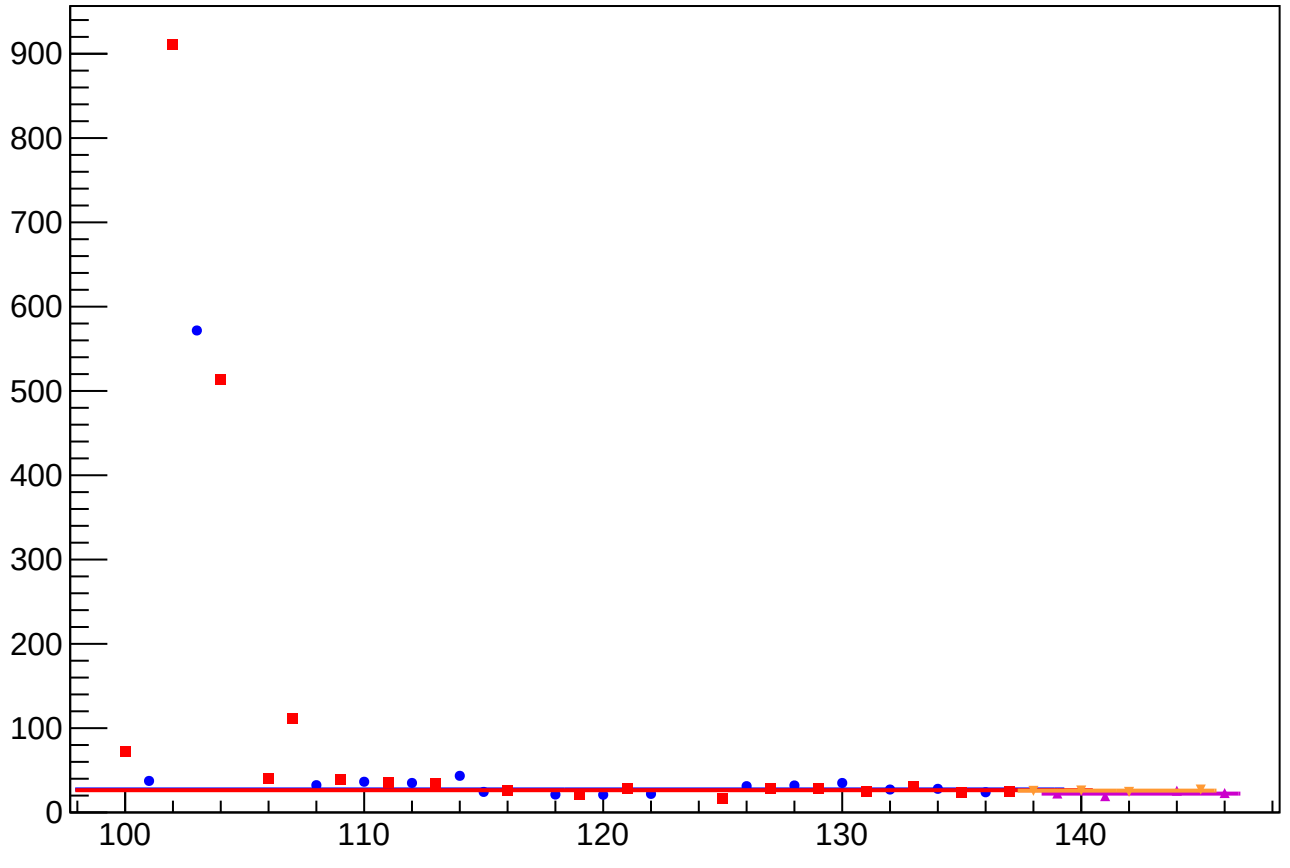
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.019+/-0.013 χ^2/NDF:4.8/3

+ sign -0.005+/-0.009 χ^2/NDF: 18.2/19

All: 0.002+/-0.006 χ^2/NDF: 35.3/41

- sign 0.007+/-0.009 χ^2/NDF: 16.3/21



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.892+/-0.012 χ^2/NDF:6222.1/3

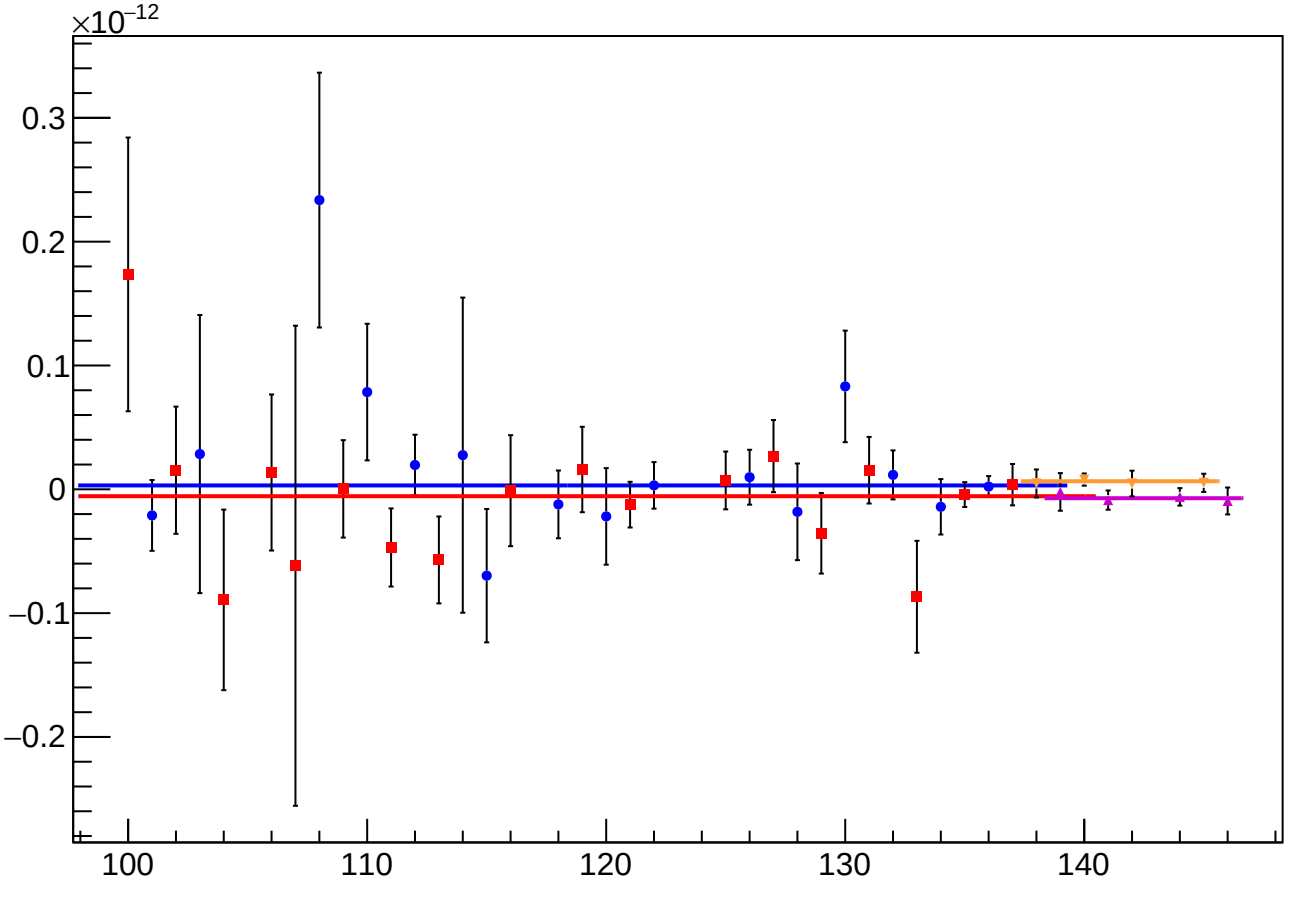
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62206.5/3

+ sign 26.836+/-0.007 χ^2/NDF: 1584468.7/19

All: 25.602+/-0.005 χ^2/NDF: 4430082.5/41

- sign 24.528+/-0.006 χ^2/NDF: 2781815.4/21



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/3

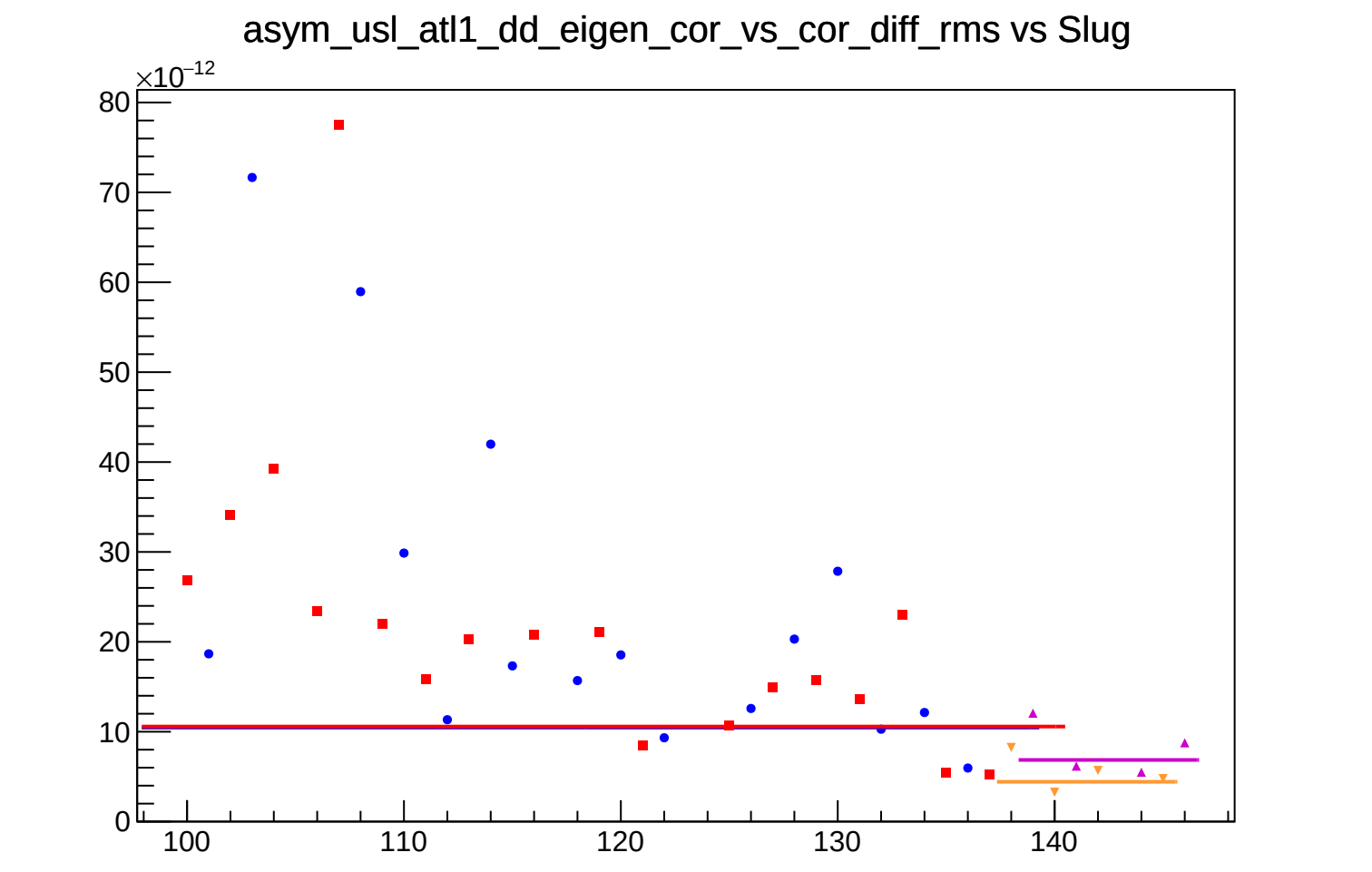
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 15.4/19

All: 0.000+/-0.000 χ^2/NDF: 37.6/41

- sign -0.000+/-0.000 χ^2/NDF: 15.5/21



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:373696.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

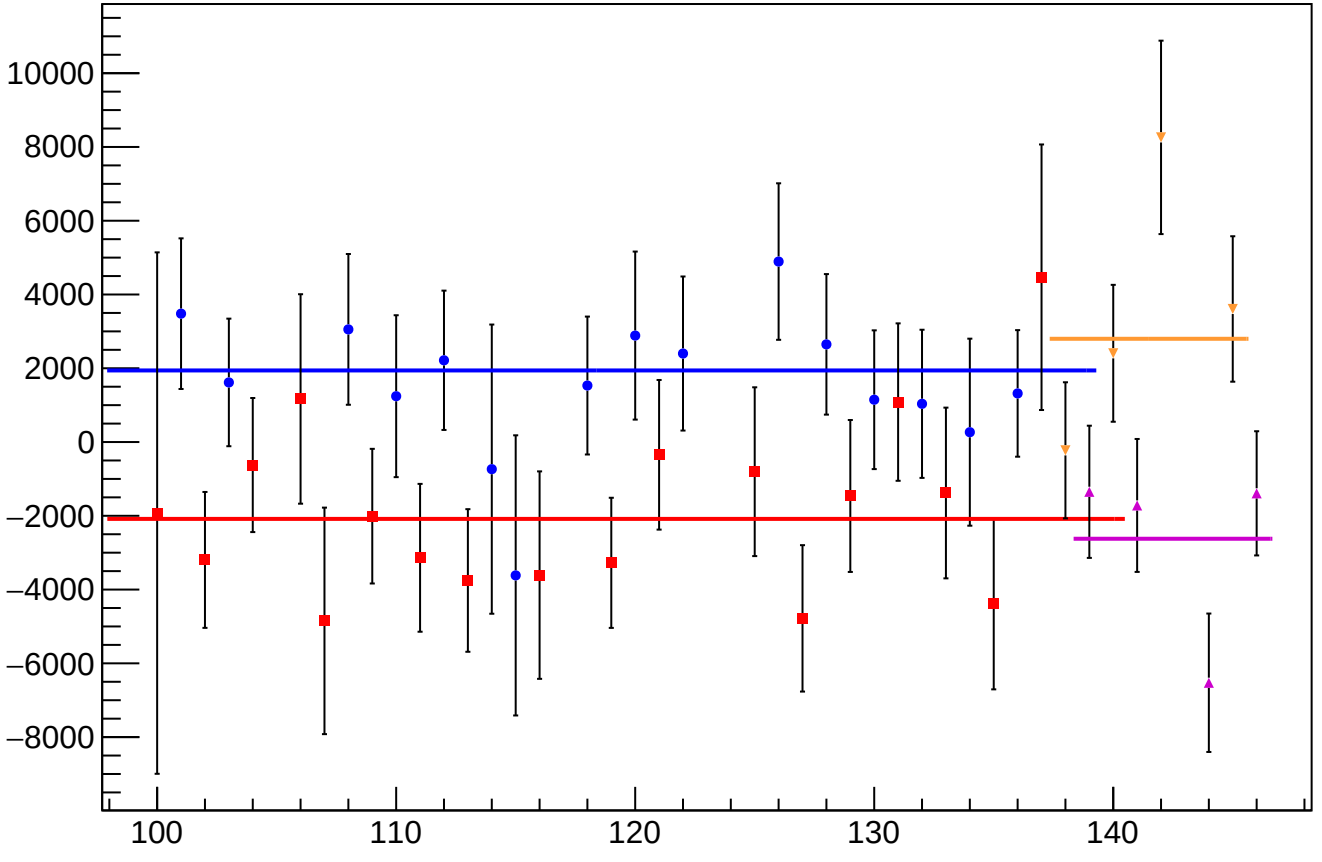
Left In: 0.000+/-0.000 χ^2/NDF:385814.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4753382.8/19

All: 0.000+/-0.000 χ^2/NDF: 8763489.1/41

- sign 0.000+/-0.000 χ^2/NDF: 3639303.1/21

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2799.241+/-1006.742 χ^2/NDF:7.2/3

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

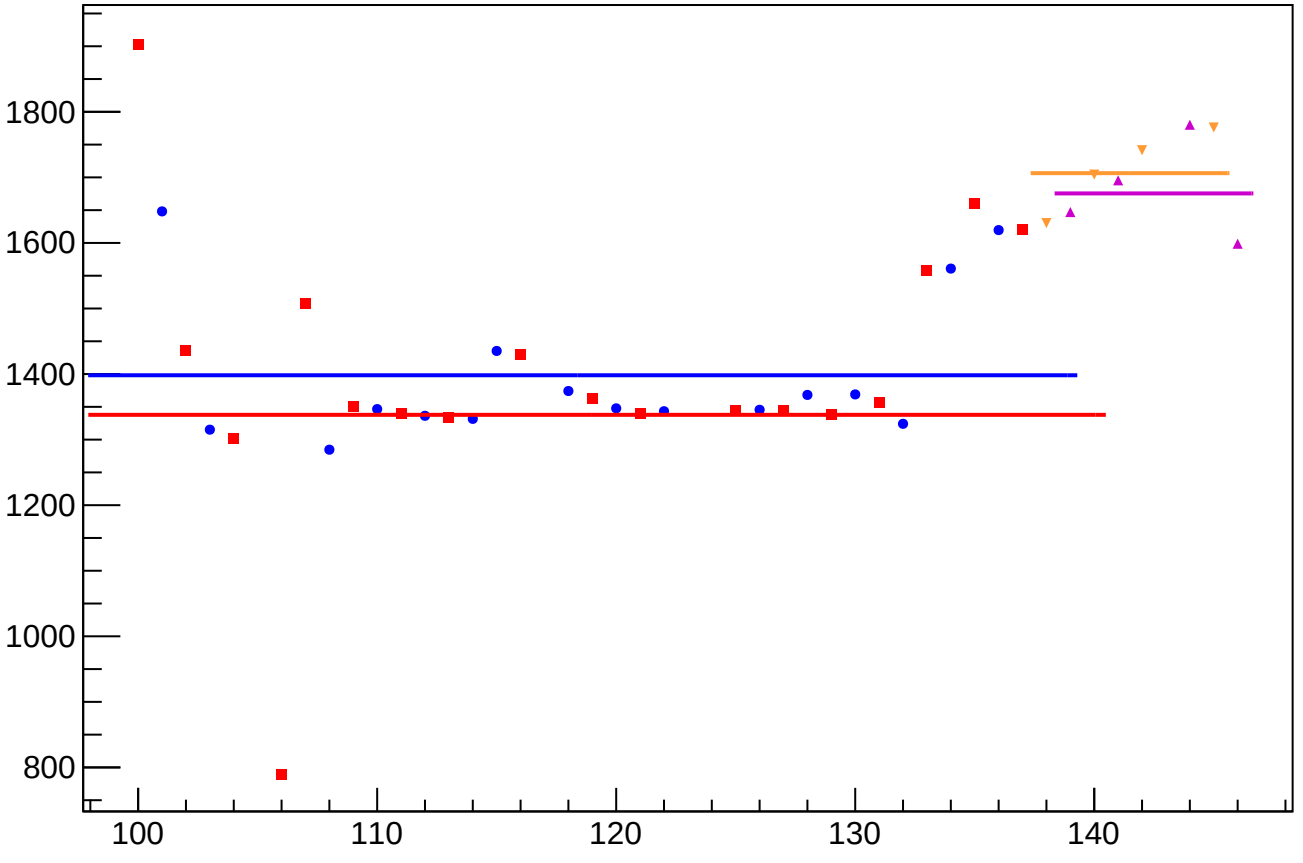
Left In: -2622.252+/-892.266 χ^2/NDF:5.6/3

+ sign 2122.923+/-463.532 χ^2/NDF: 14.7/19

All: -117.803+/-322.507 χ^2/NDF: 80.4/41

- sign -2220.264+/-449.003 χ^2/NDF: 20.4/21

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1706.450+/-0.712 χ^2/NDF:6259.4/3

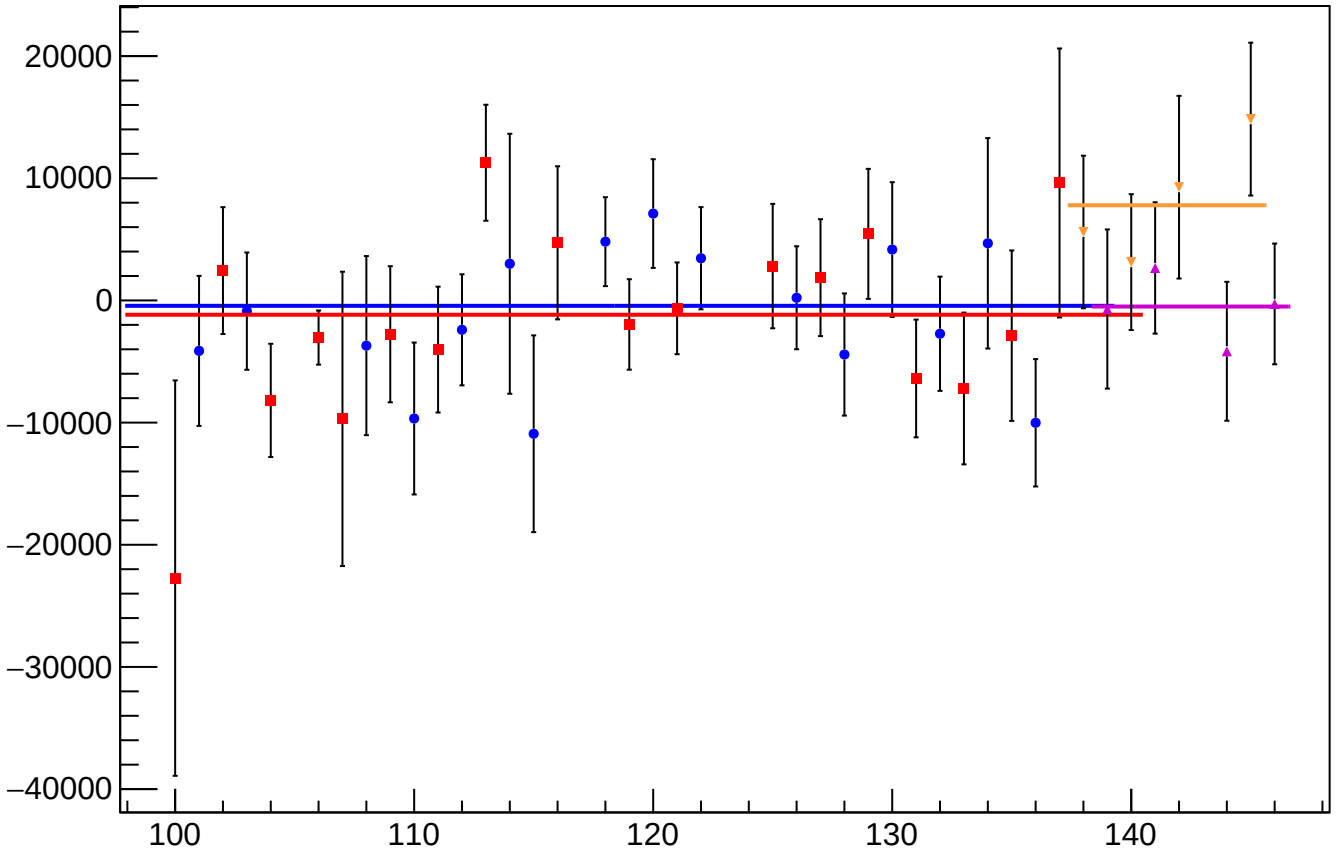
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

+ sign 1463.516+/-0.328 χ^2/NDF: 247971.0/19

All: 1440.199+/-0.225 χ^2/NDF: 803814.9/41

- sign 1419.344+/-0.310 χ^2/NDF: 546256.7/21



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 7791.210+/-3140.141 χ^2/NDF:2.1/3

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

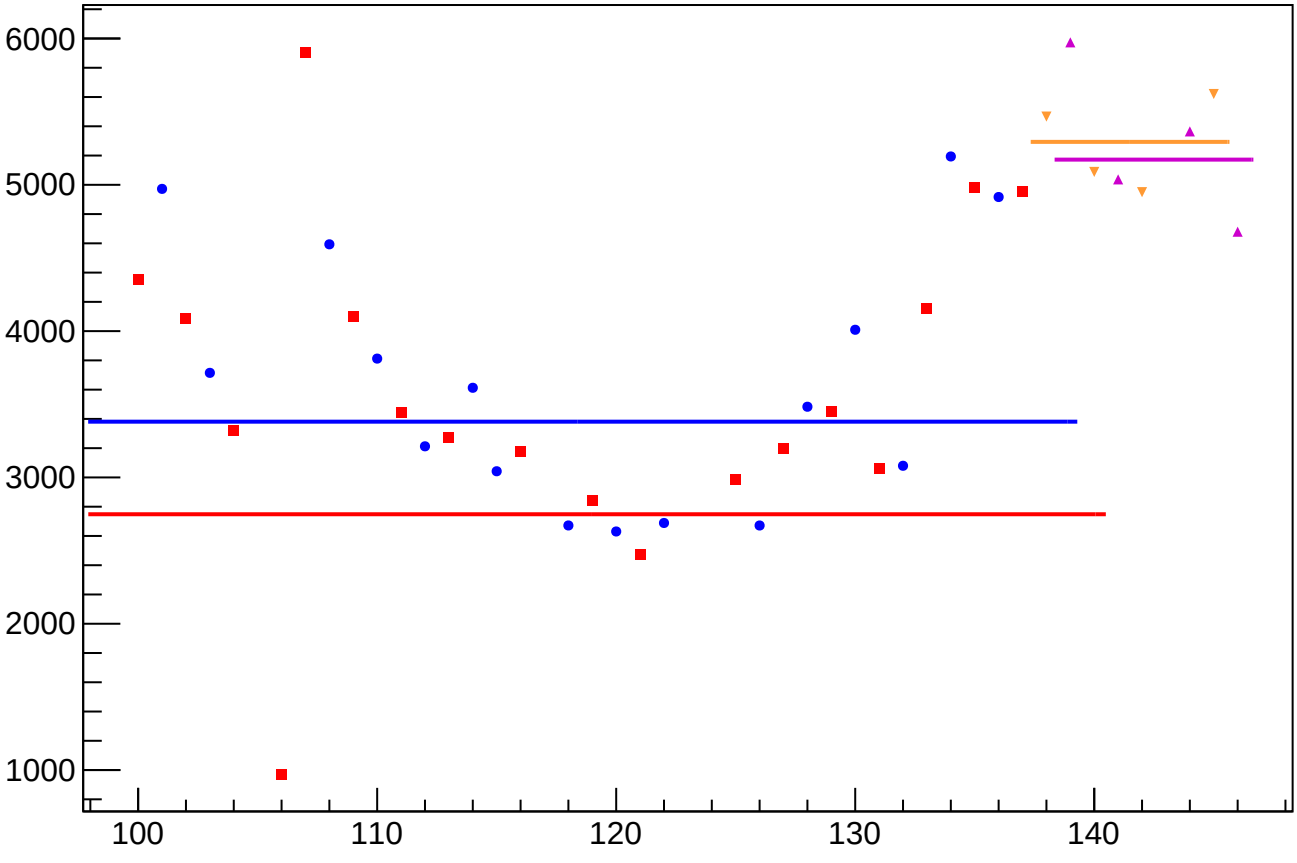
Left In: -500.095+/-2772.993 χ^2/NDF:0.8/3

+ sign 756.916+/-1197.913 χ^2/NDF: 23.9/19

All: -290.410+/-784.642 χ^2/NDF: 45.7/41

- sign -1077.391+/-1038.405 χ^2/NDF: 20.5/21

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5293.510+/-2.220 χ^2/NDF:13960.3/3

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

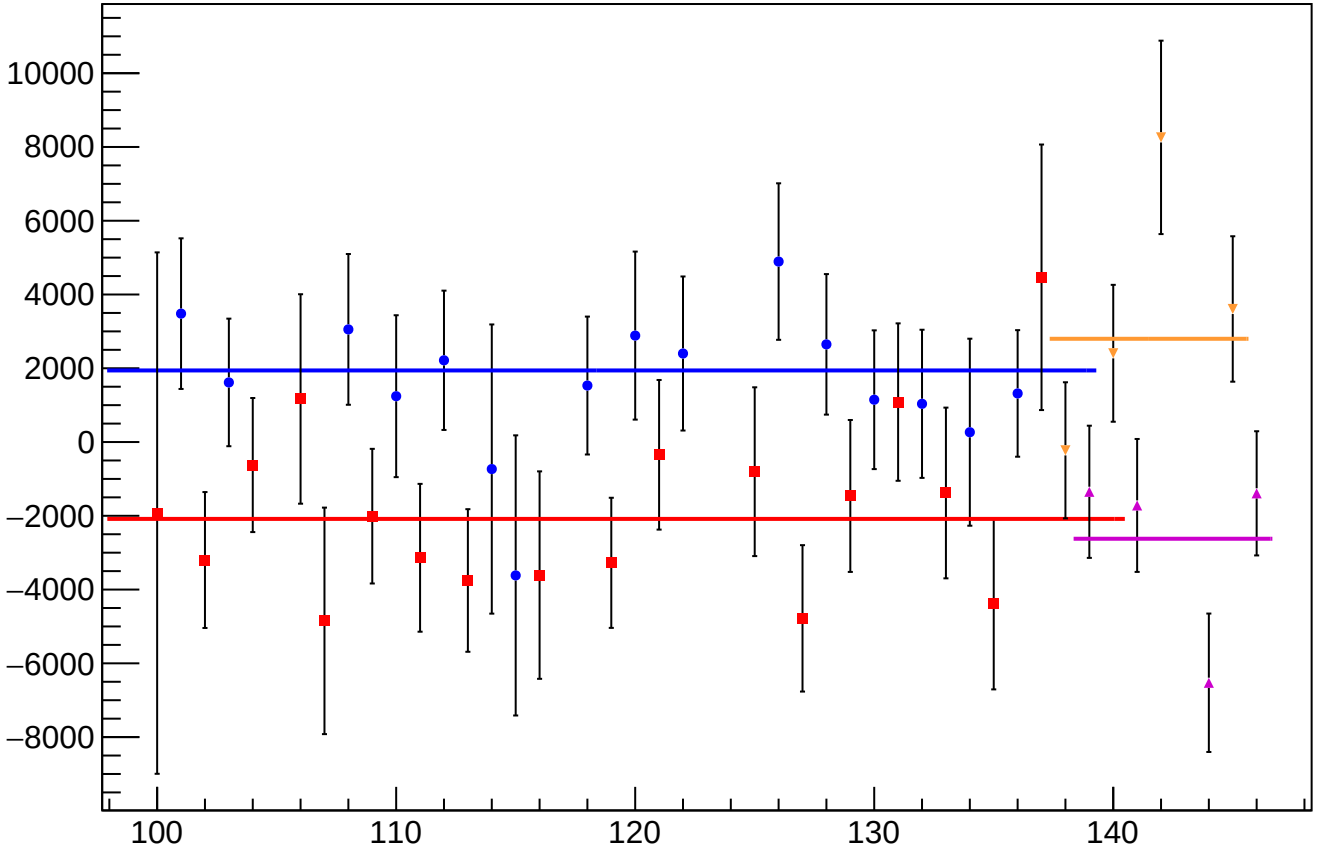
Left In: 5172.201+/-1.961 χ^2/NDF:53716.5/3

+ sign 3659.428+/-0.847 χ^2/NDF: 1404951.6/19

All: 3333.312+/-0.555 χ^2/NDF: 5296607.6/41

- sign 3088.262+/-0.734 χ^2/NDF: 3632050.7/21

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2799.448+/-1006.742 χ^2/NDF:7.2/3

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

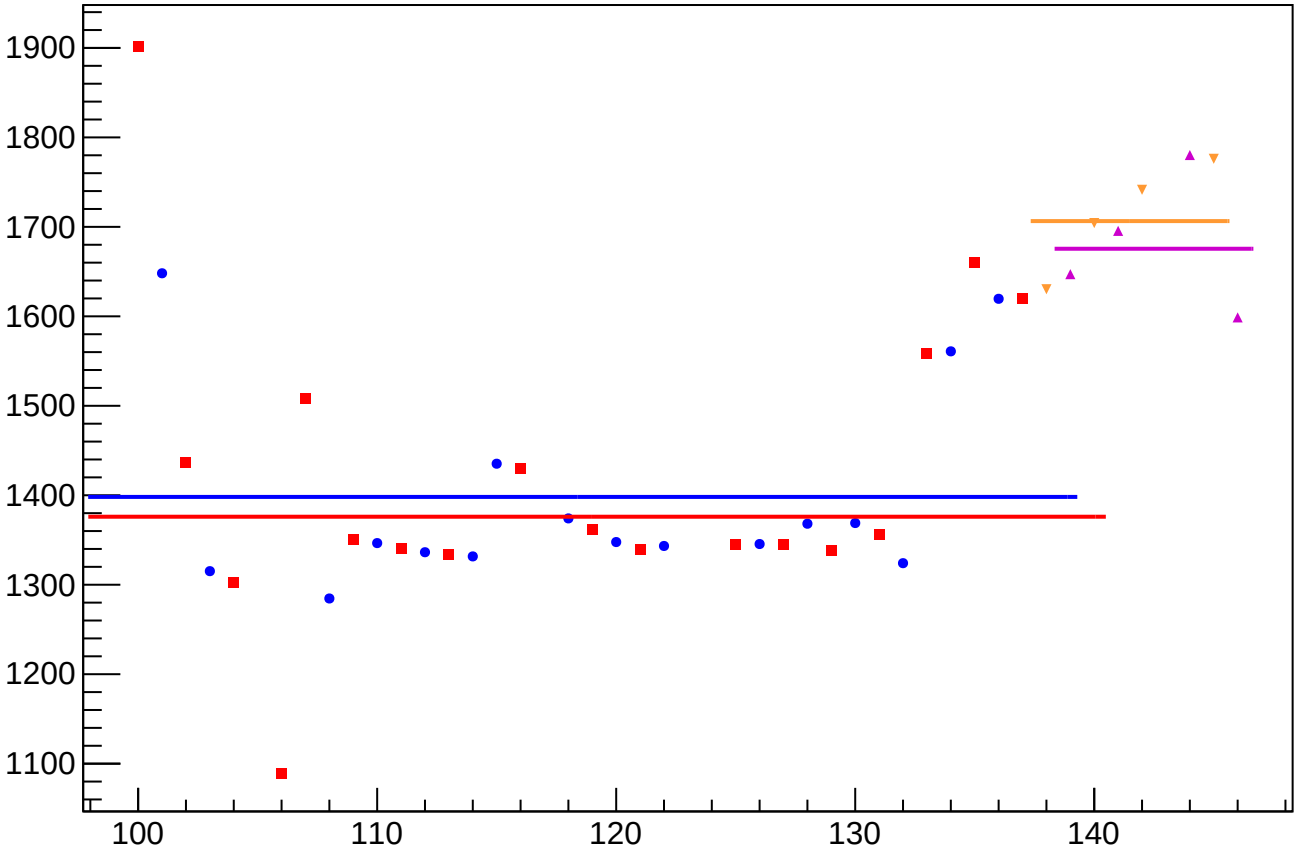
Left In: -2622.296+/-892.266 χ^2/NDF:5.6/3

+ sign 2123.011+/-463.532 χ^2/NDF: 14.7/19

All: -117.840+/-322.508 χ^2/NDF: 80.4/41

- sign -2220.437+/-449.005 χ^2/NDF: 20.4/21

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1706.450+/-0.712 χ^2/NDF:6259.4/3

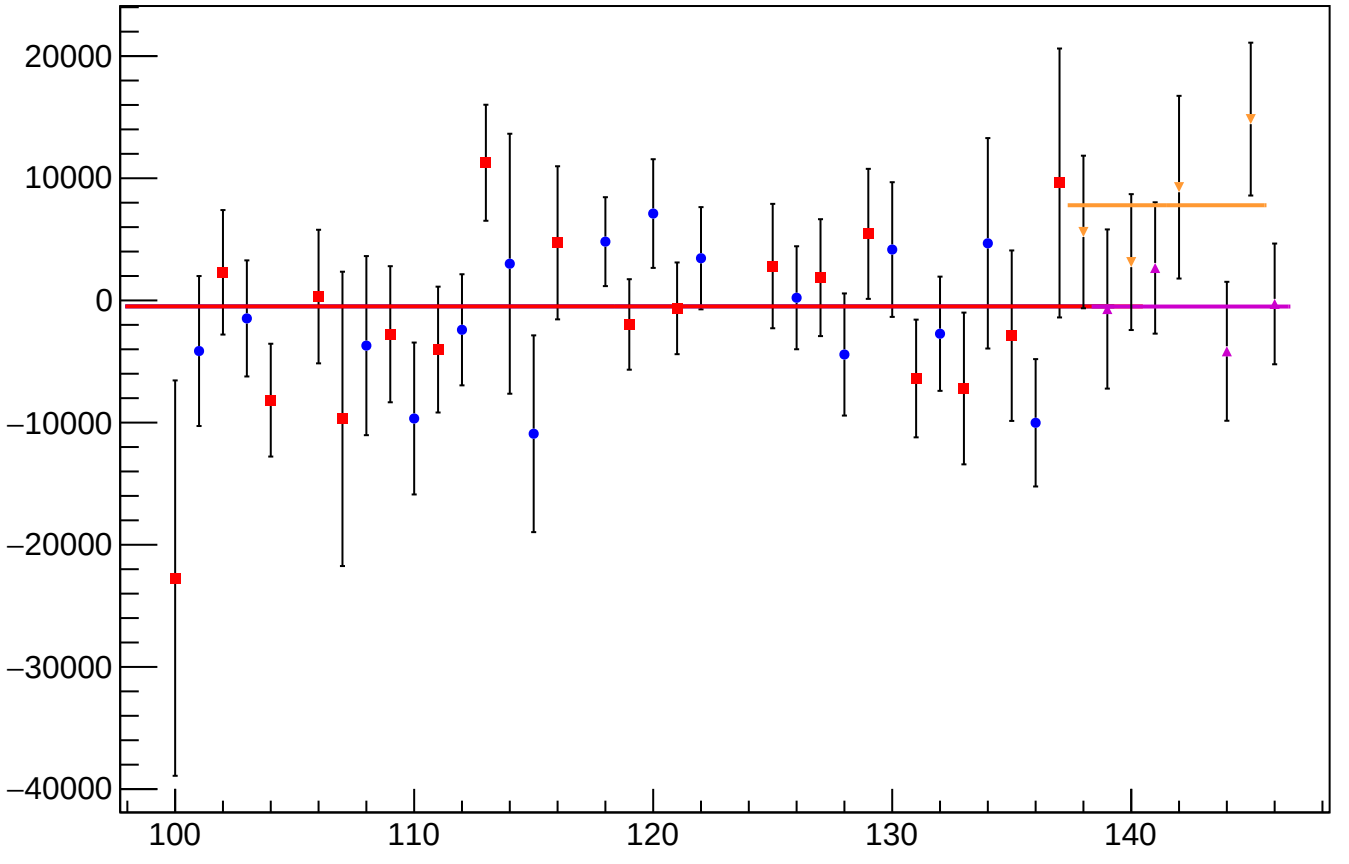
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

\+ sign 1463.516+/-0.328 χ^2/NDF: 247971.1/19

All: 1456.664+/-0.227 χ^2/NDF: 543410.5/41

\- sign 1450.363+/-0.314 χ^2/NDF: 294600.5/21



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 7791.390+/-3140.143 χ^2/NDF:2.1/3

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

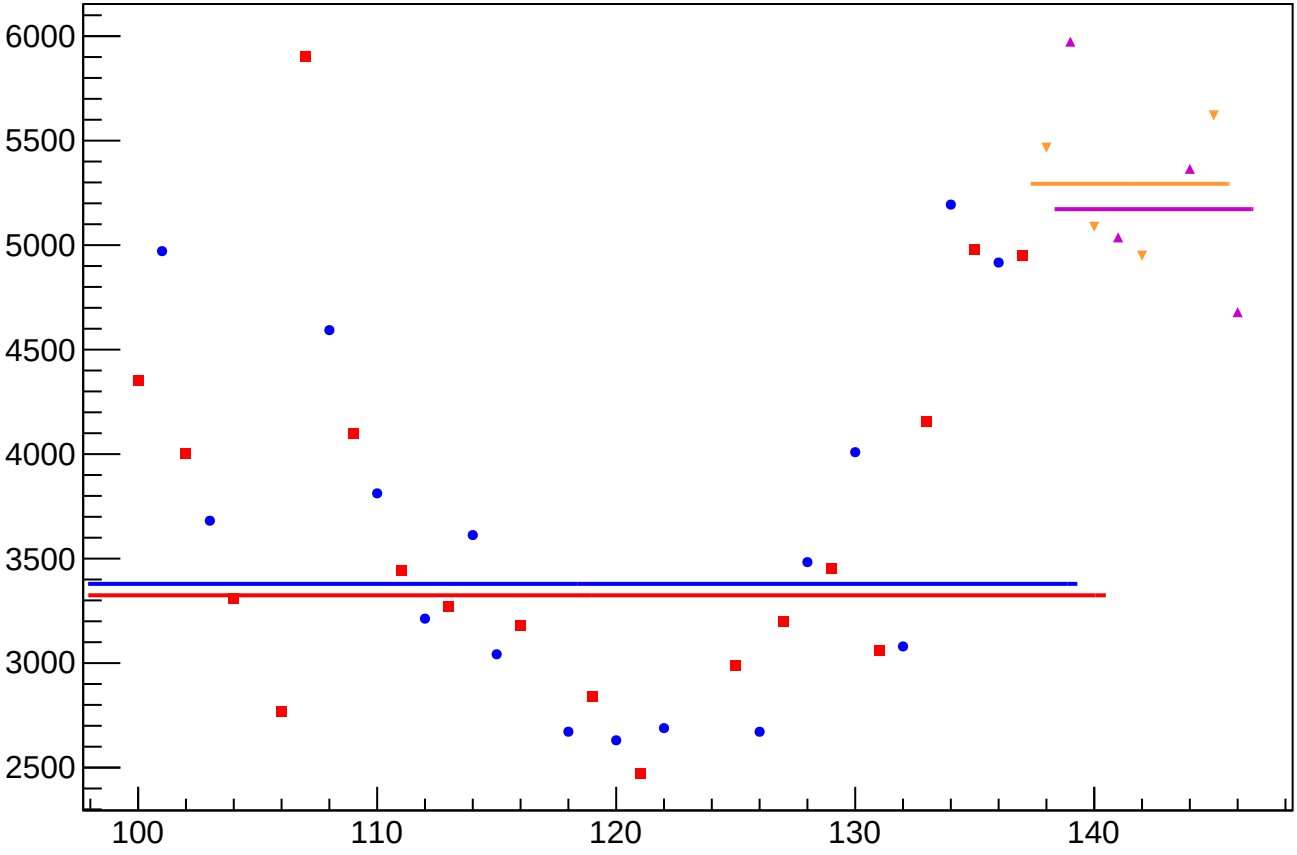
Left In: -500.073+/-2772.989 χ^2/NDF:0.8/3

+ sign 716.560+/-1197.134 χ^2/NDF: 24.0/19

All: 87.784+/-828.631 χ^2/NDF: 44.0/41

- sign -490.562+/-1148.124 χ^2/NDF: 19.5/21

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5293.513+/-2.220 χ^2/NDF:13959.3/3

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

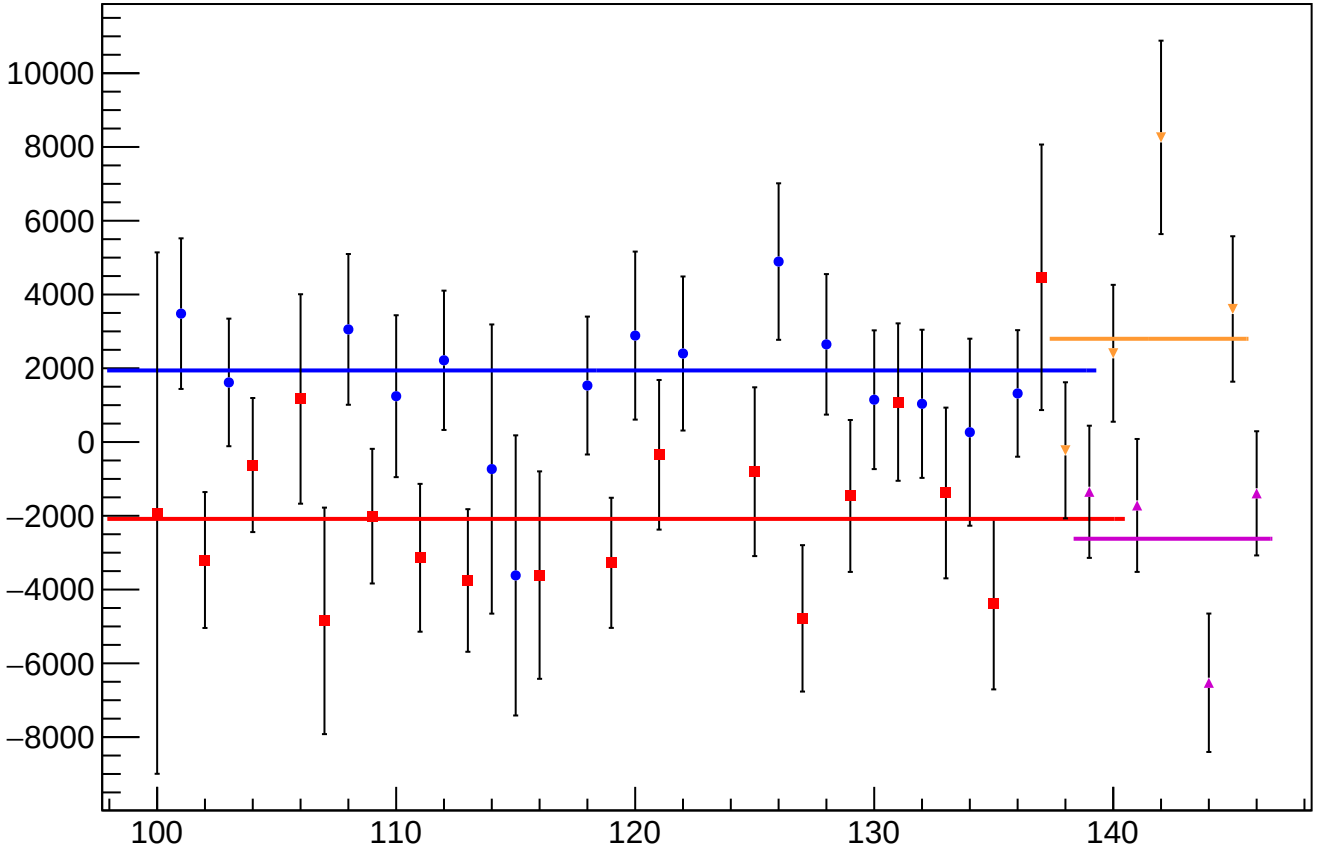
Left In: 5172.193+/-1.961 χ^2/NDF:53717.6/3

+ sign 3657.351+/-0.847 χ^2/NDF: 1404617.1/19

All: 3648.940+/-0.586 χ^2/NDF: 2738116.8/41

- sign 3641.204+/-0.812 χ^2/NDF: 1333310.2/21

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2799.448+/-1006.742 χ^2/NDF:7.2/3

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

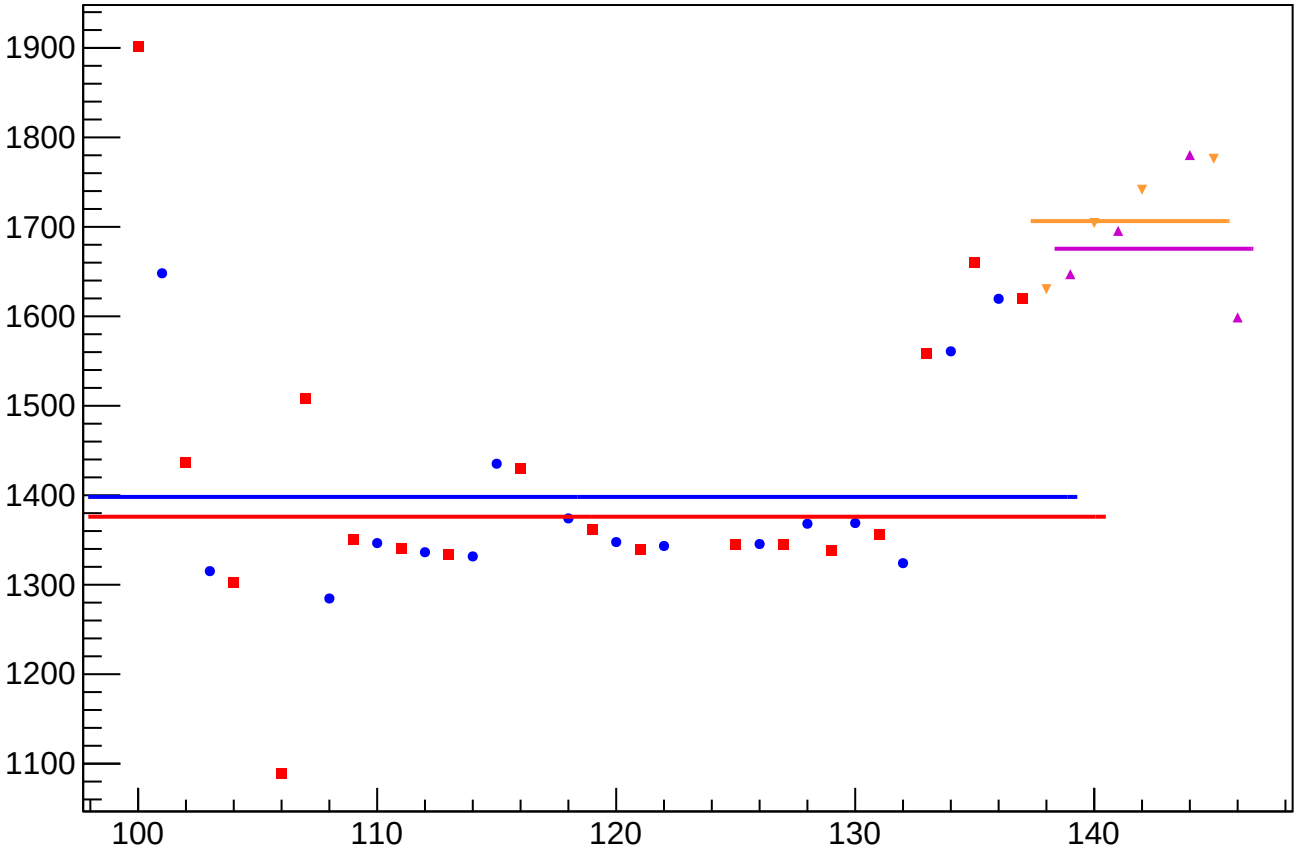
Left In: -2622.296+/-892.266 χ^2/NDF:5.6/3

+ sign 2123.011+/-463.532 χ^2/NDF: 14.7/19

All: -117.840+/-322.508 χ^2/NDF: 80.4/41

- sign -2220.437+/-449.005 χ^2/NDF: 20.4/21

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1706.450+/-0.712 χ^2/NDF:6259.4/3

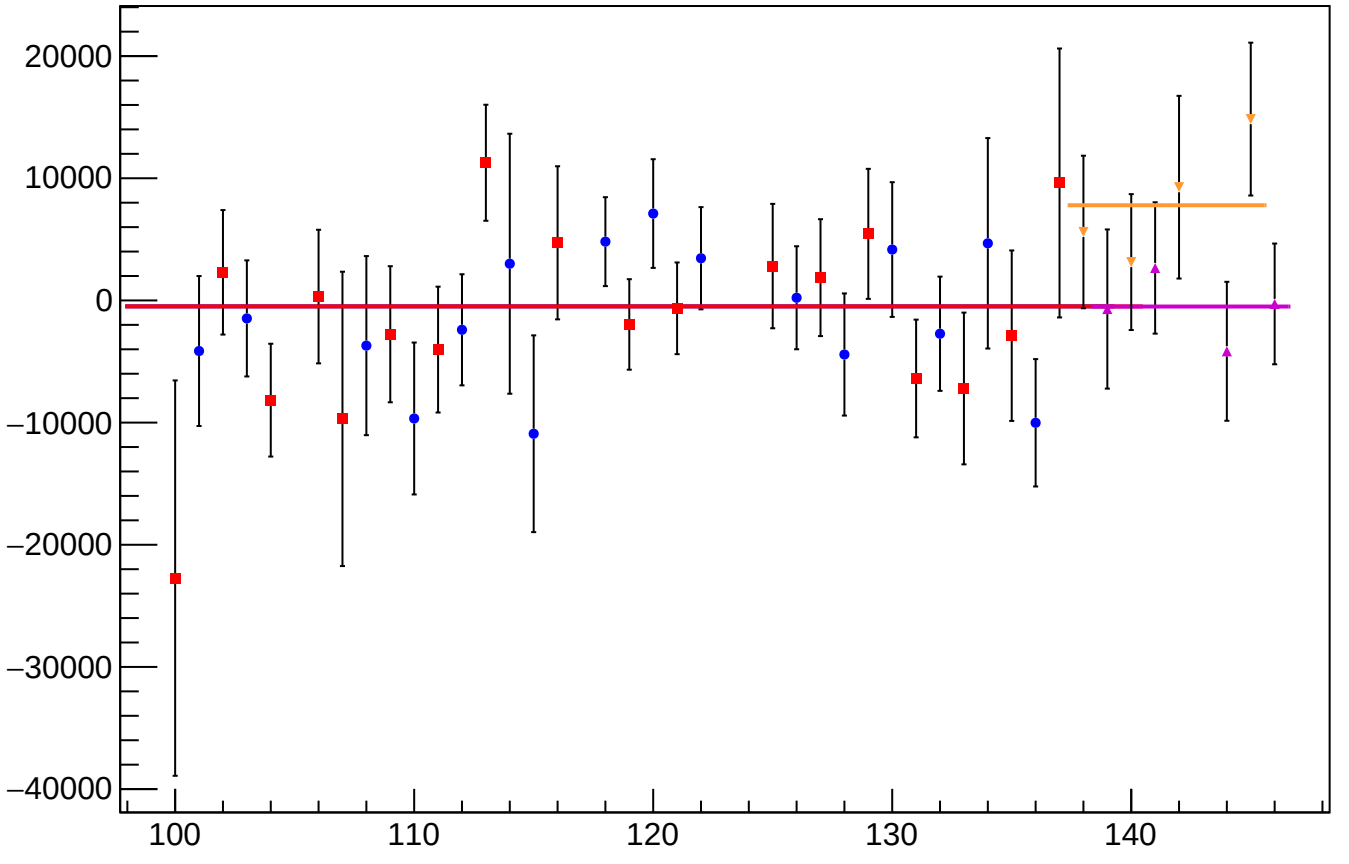
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

+ sign 1463.516+/-0.328 χ^2/NDF: 247971.1/19

All: 1456.664+/-0.227 χ^2/NDF: 543410.5/41

- sign 1450.363+/-0.314 χ^2/NDF: 294600.5/21



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 7791.390+/-3140.143 χ^2/NDF:2.1/3

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

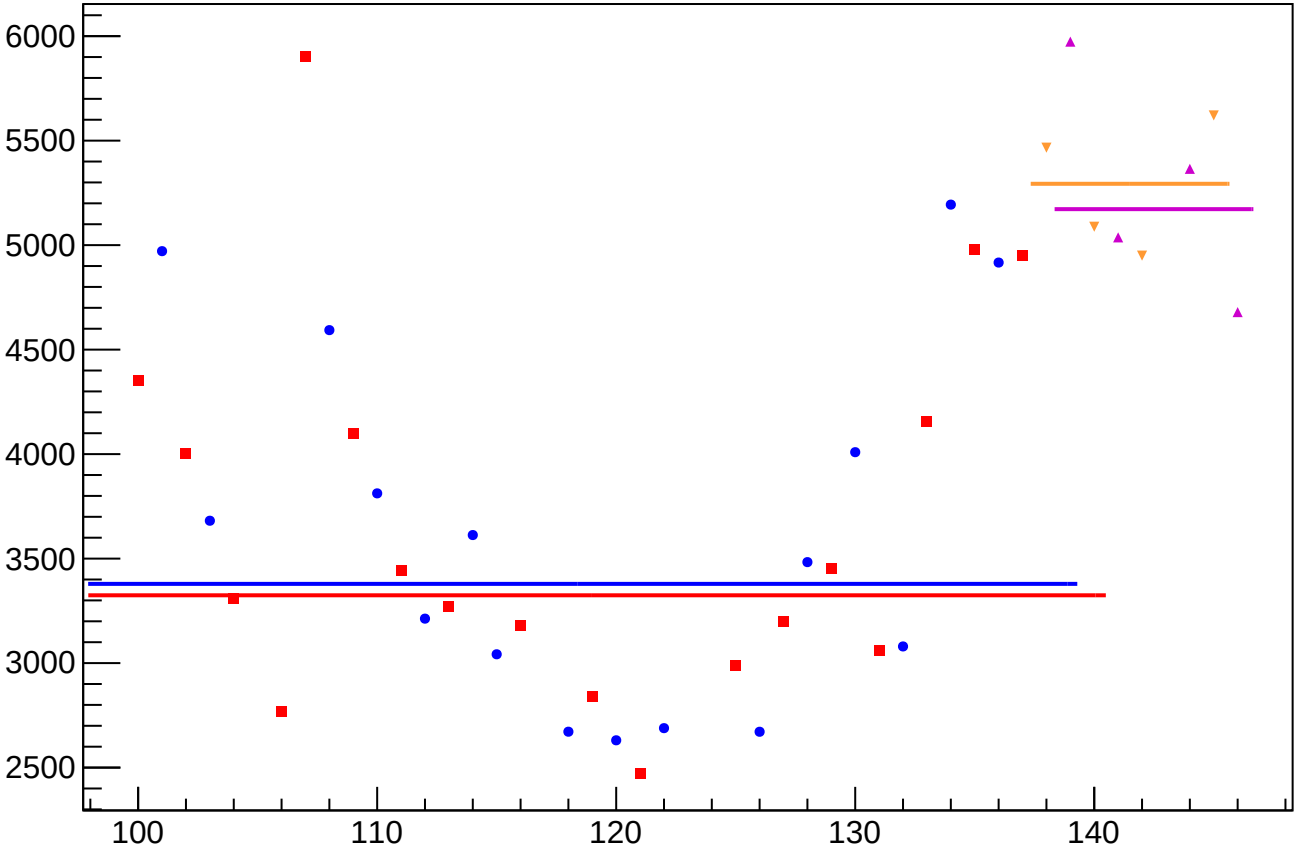
Left In: -500.073+/-2772.989 χ^2/NDF:0.8/3

\+ sign 716.560+/-1197.134 χ^2/NDF: 24.0/19

All: 87.784+/-828.631 χ^2/NDF: 44.0/41

\- sign -490.562+/-1148.124 χ^2/NDF: 19.5/21

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5293.513+/-2.220 χ^2/NDF:13959.3/3

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

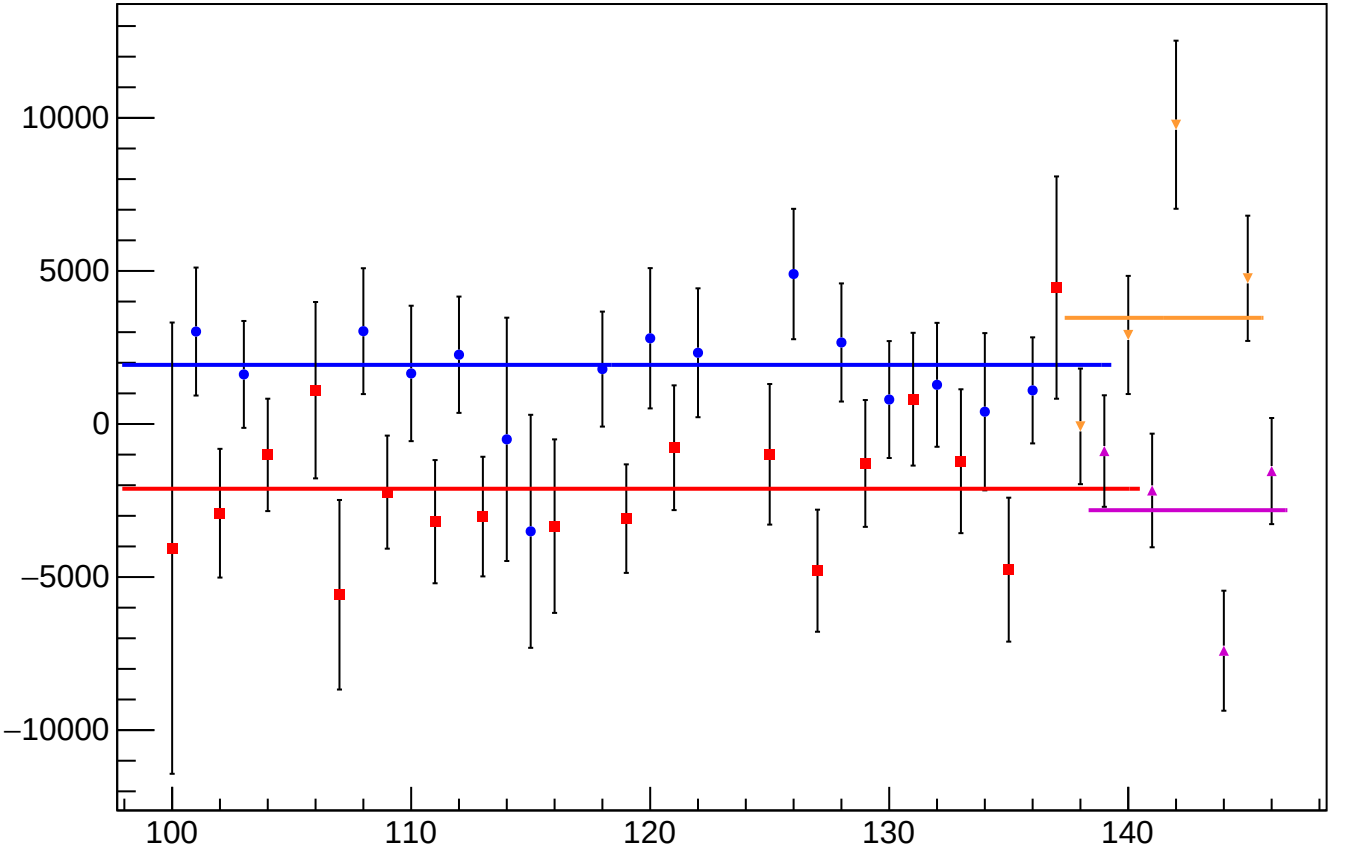
Left In: 5172.193+/-1.961 χ^2/NDF:53717.6/3

+ sign 3657.351+/-0.847 χ^2/NDF: 1404617.1/19

All: 3648.940+/-0.586 χ^2/NDF: 2738116.8/41

- sign 3641.204+/-0.812 χ^2/NDF: 1333310.2/21

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3468.338+/-1042.249 χ^2/NDF:9.3/3

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

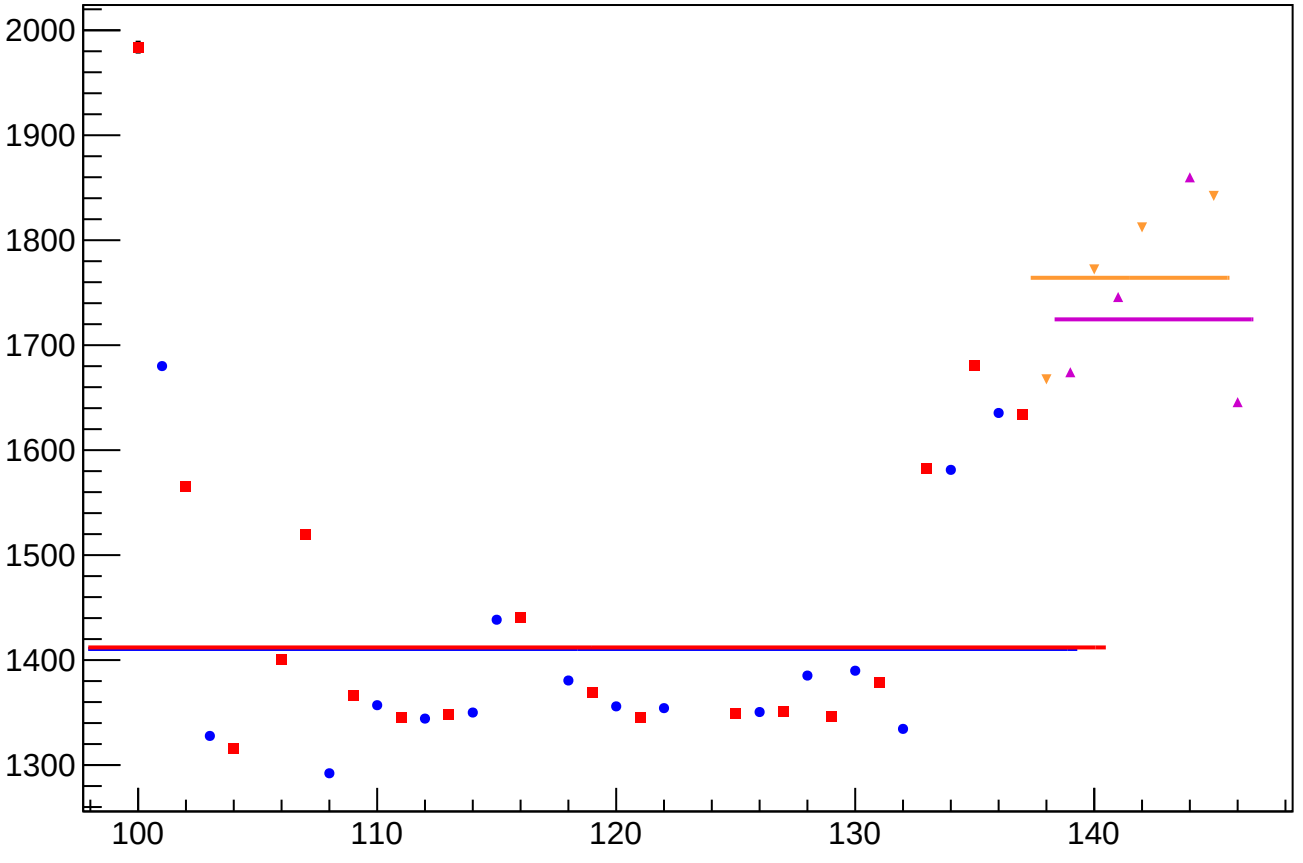
Left In: -2815.843+/-918.799 χ^2/NDF:7.3/3

+ sign 2244.576+/-470.394 χ^2/NDF: 17.4/19

All: -81.436+/-328.265 χ^2/NDF: 86.0/41

- sign -2289.531+/-458.316 χ^2/NDF: 20.9/21

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1764.199+/-0.737 χ^2/NDF:8803.6/3

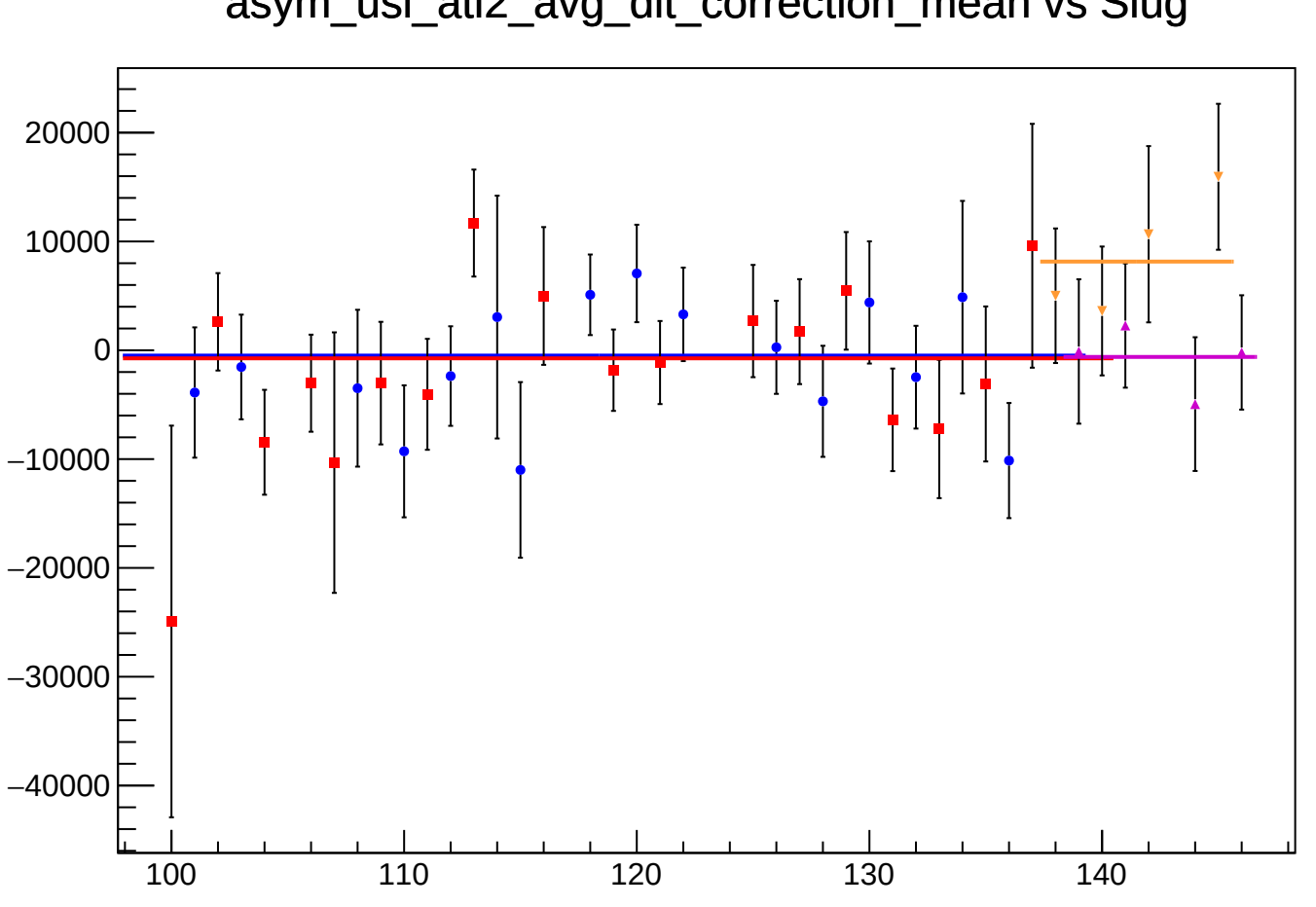
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1724.587+/-0.650 χ^2/NDF:15461.2/3

+ sign 1482.623+/-0.333 χ^2/NDF: 291268.7/19

All: 1486.159+/-0.232 χ^2/NDF: 570721.2/41

- sign 1489.503+/-0.323 χ^2/NDF: 279232.6/21



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 8150.597+/-3294.270 χ^2/NDF:2.3/3

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

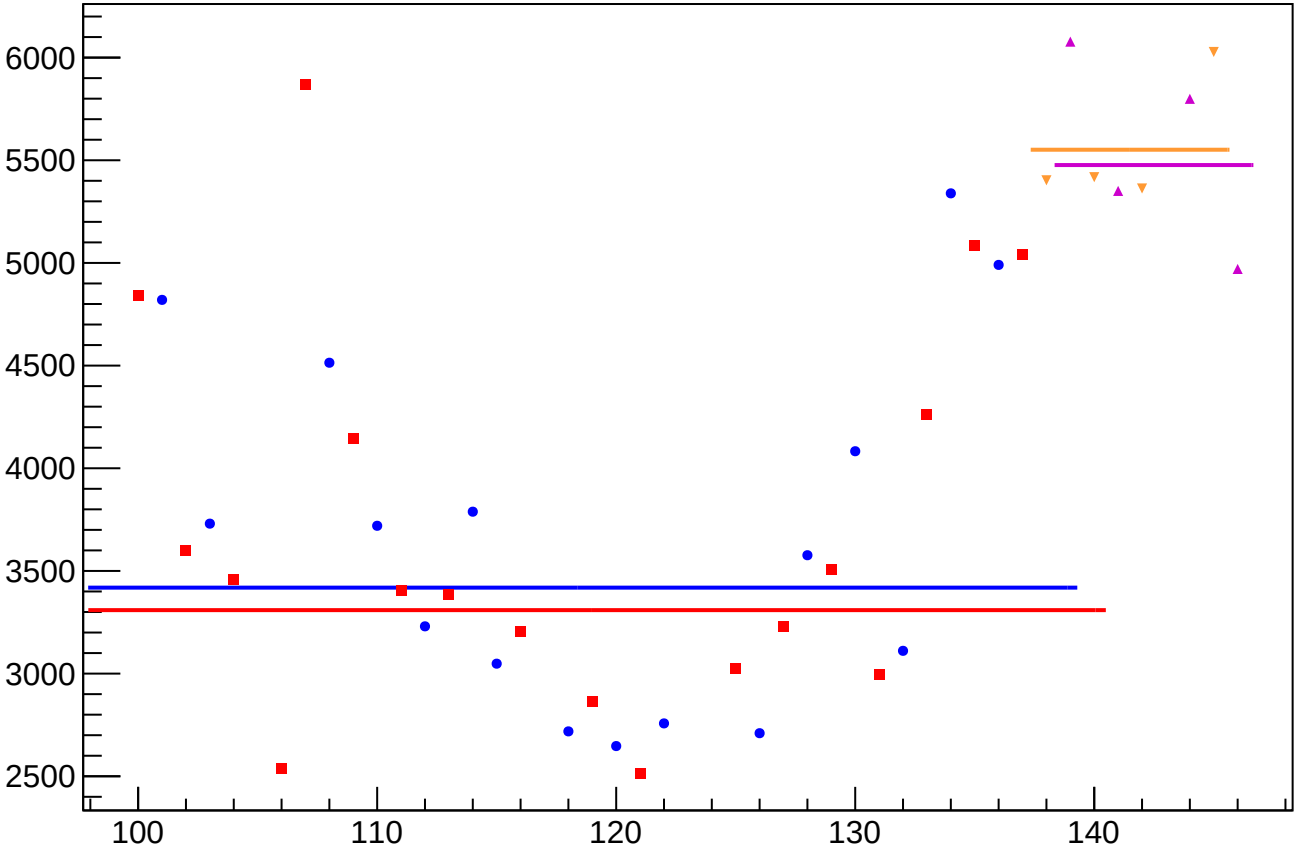
Left In: -611.455+/-2934.746 χ^2/NDF:0.8/3

+ sign 688.285+/-1216.234 χ^2/NDF: 24.1/19

All: -56.638+/-835.004 χ^2/NDF: 44.7/41

- sign -720.817+/-1148.429 χ^2/NDF: 20.0/21

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5551.337+/-2.329 χ^2/NDF:13343.6/3

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

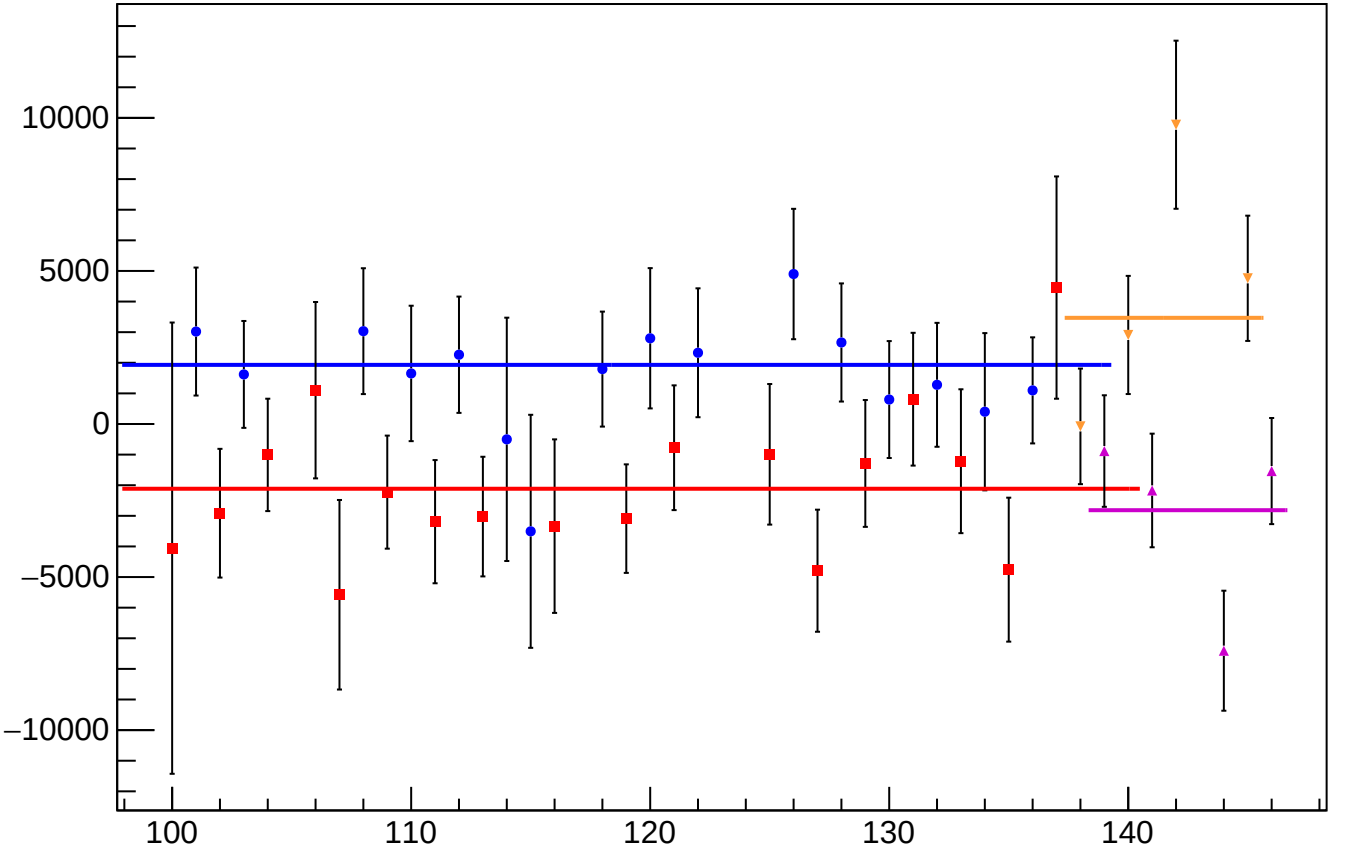
Left In: 5476.690+/-2.075 χ^2/NDF:41440.5/3

+ sign 3709.393+/-0.860 χ^2/NDF: 1458503.0/19

All: 3673.257+/-0.590 χ^2/NDF: 2999184.8/41

- sign 3641.038+/-0.812 χ^2/NDF: 1537342.2/21

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3468.358+/-1042.250 χ^2/NDF:9.3/3

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

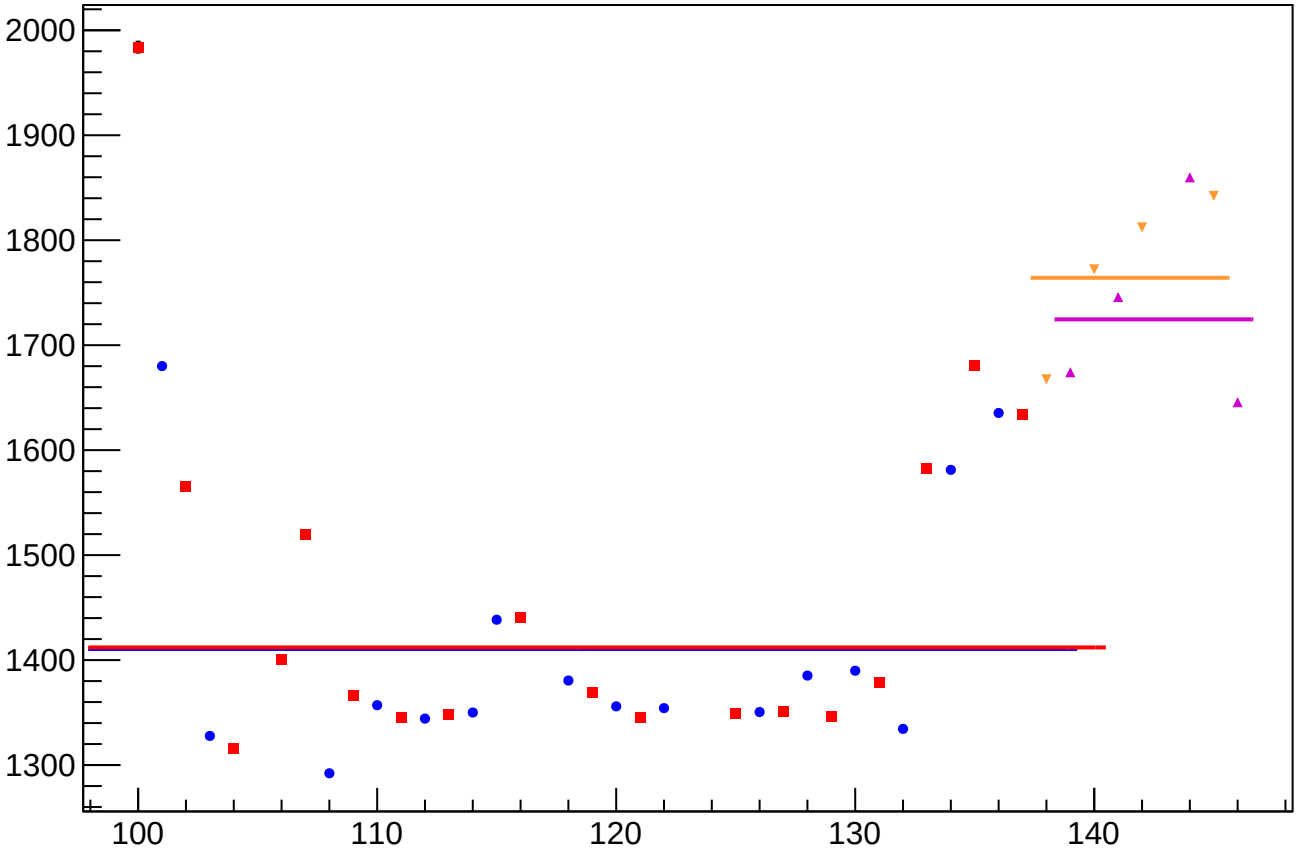
Left In: -2815.845+/-918.800 χ^2/NDF:7.3/3

+ sign 2244.580+/-470.394 χ^2/NDF: 17.4/19

All: -81.434+/-328.265 χ^2/NDF: 86.0/41

- sign -2289.532+/-458.316 χ^2/NDF: 20.9/21

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1764.200+/-0.737 χ^2/NDF:8803.9/3

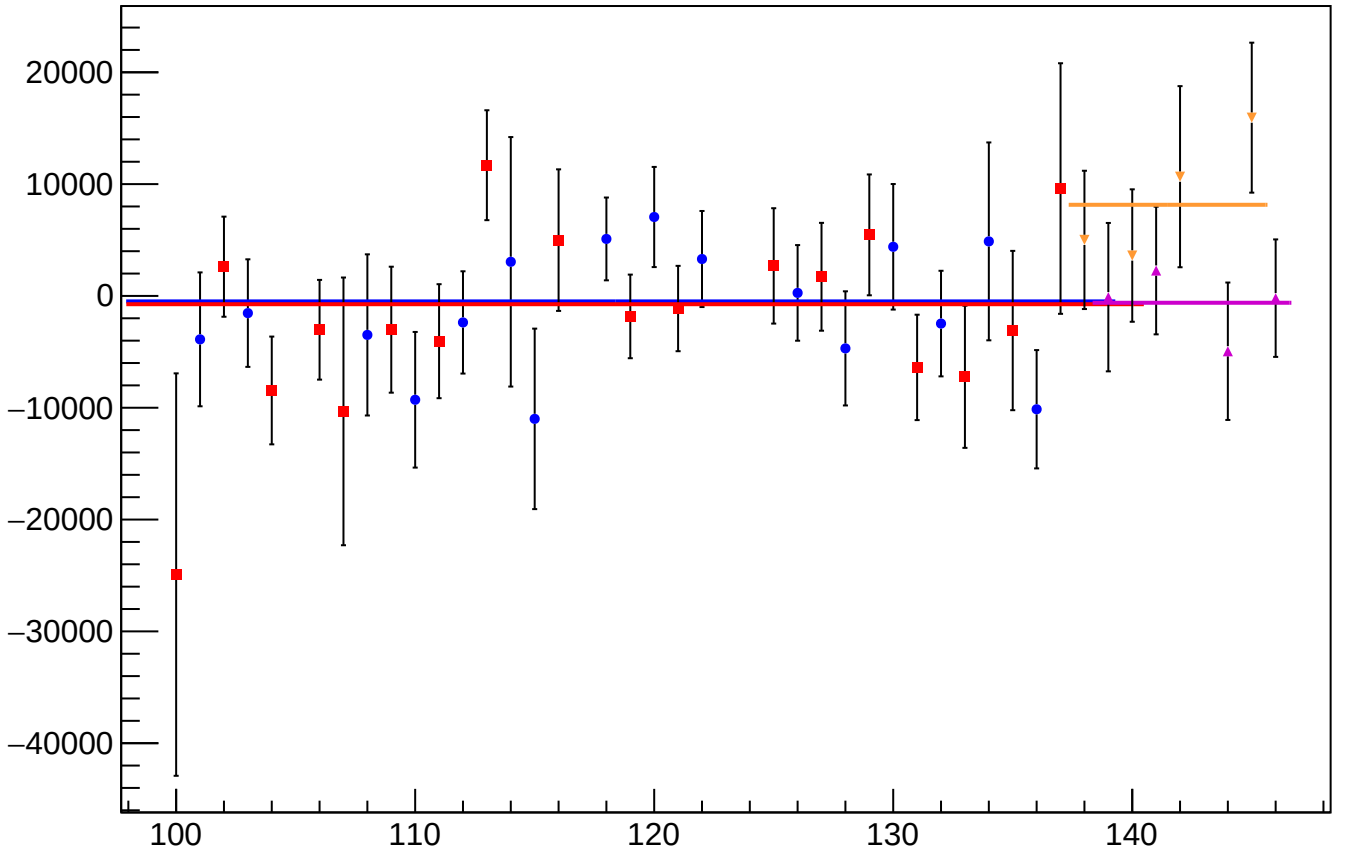
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1724.589+/-0.650 χ^2/NDF:15461.3/3

+ sign 1482.623+/-0.333 χ^2/NDF: 291270.4/19

All: 1486.159+/-0.232 χ^2/NDF: 570724.9/41

- sign 1489.503+/-0.323 χ^2/NDF: 279234.6/21



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 8150.623+/-3294.278 χ^2/NDF:2.3/3

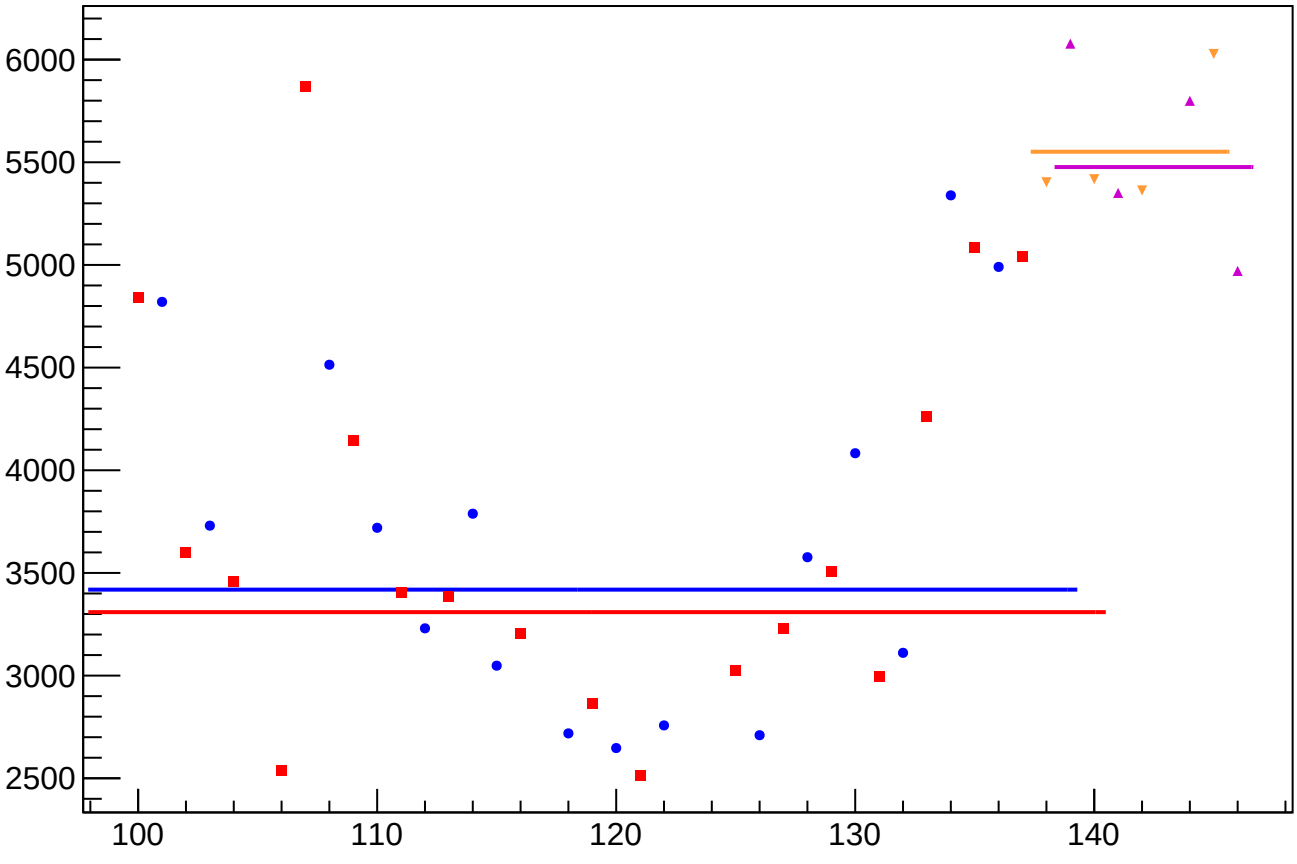
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -611.455+/-2934.752 χ^2/NDF:0.8/3

+ sign 688.283+/-1216.231 χ^2/NDF: 24.1/19

All: -56.640+/-835.002 χ^2/NDF: 44.7/41

- sign -720.819+/-1148.426 χ^2/NDF: 20.0/21



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5551.351+/-2.329 χ^2/NDF:13343.6/3

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

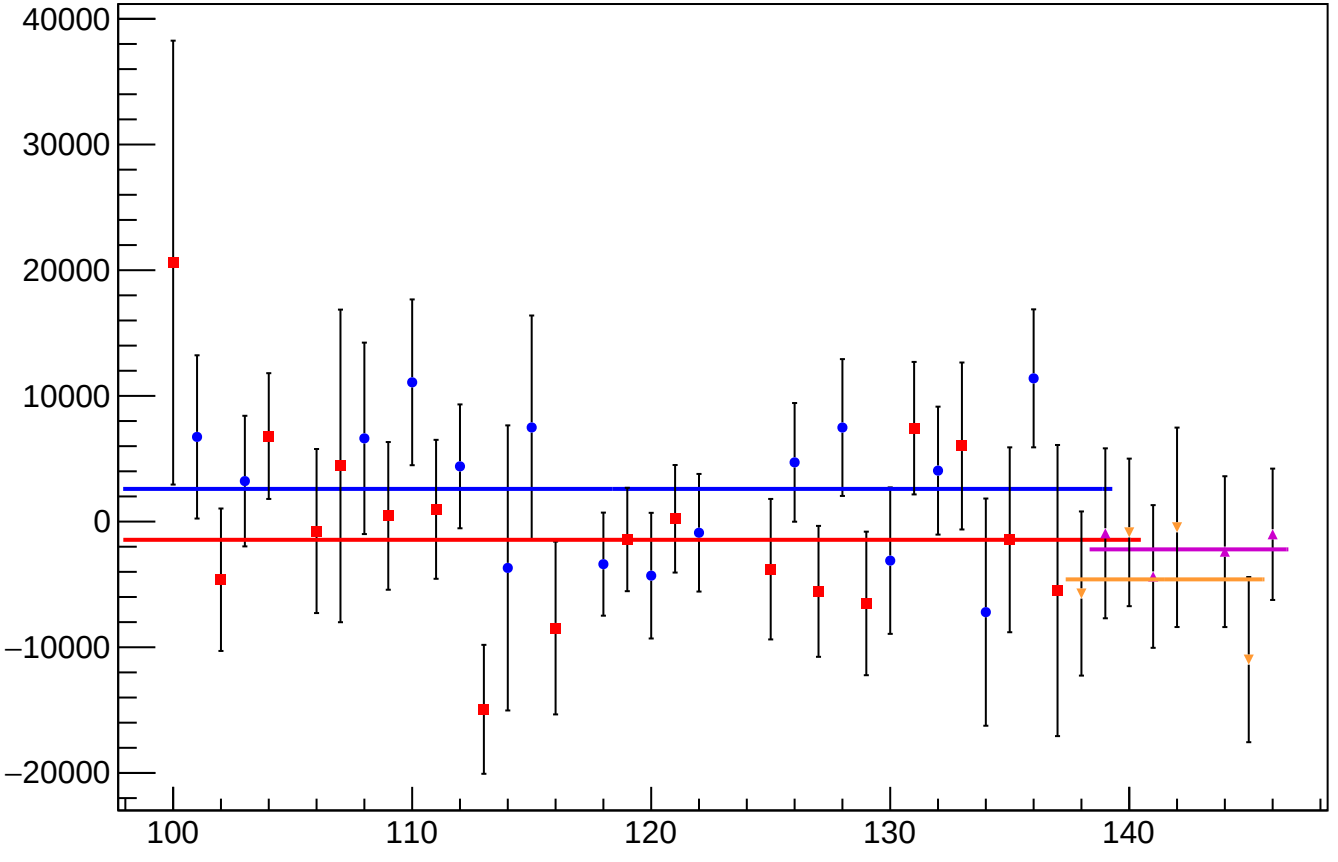
Left In: 5476.700+/-2.075 χ^2/NDF:41441.3/3

+ sign 3709.382+/-0.860 χ^2/NDF: 1458526.3/19

All: 3673.247+/-0.590 χ^2/NDF: 2999227.7/41

- sign 3641.029+/-0.812 χ^2/NDF: 1537361.9/21

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -4598.511+/-3305.501 χ^2/NDF:1.7/3

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

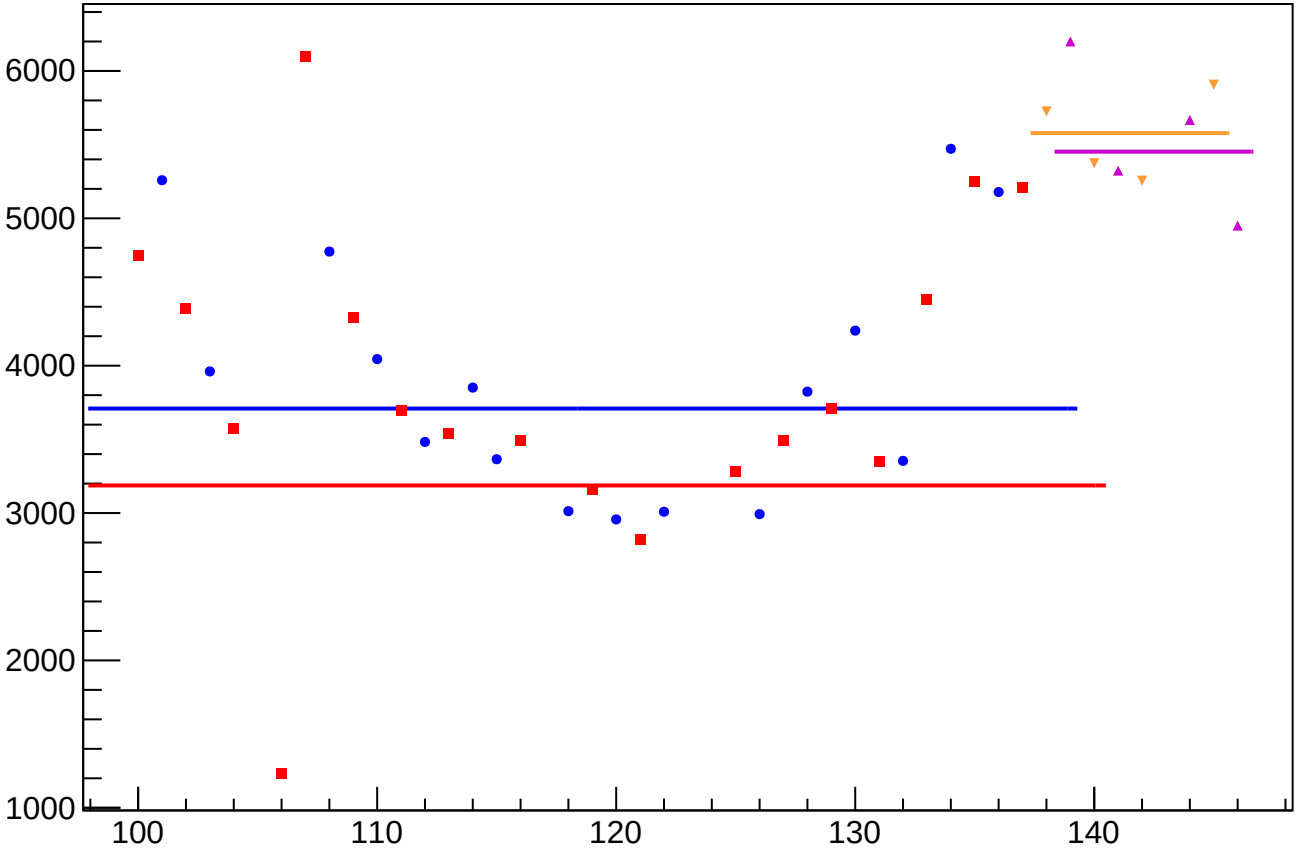
Left In: -2211.343+/-2919.745 χ^2/NDF:0.2/3

+ sign 1485.526+/-1300.435 χ^2/NDF: 19.1/19

All: -113.260+/-901.089 χ^2/NDF: 41.4/41

- sign -1589.828+/-1249.741 χ^2/NDF: 19.3/21

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5578.398+/-2.337 χ^2/NDF:11750.6/3

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

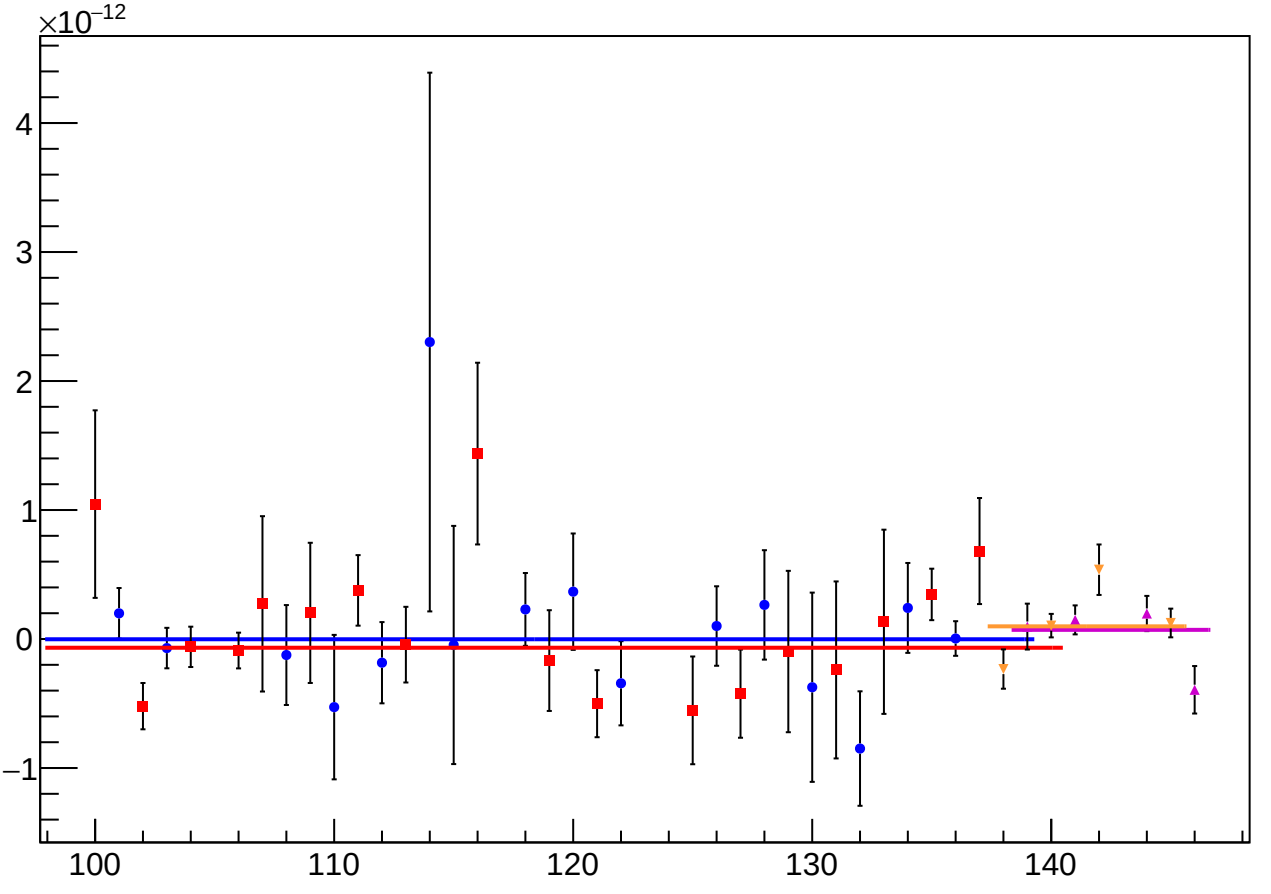
Left In: 5452.416+/-2.065 χ^2/NDF:46547.0/3

+ sign 3998.467+/-0.920 χ^2/NDF: 1162967.6/19

All: 3746.818+/-0.613 χ^2/NDF: 3968193.9/41

- sign 3545.924+/-0.822 χ^2/NDF: 2670544.5/21

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:9.8/3

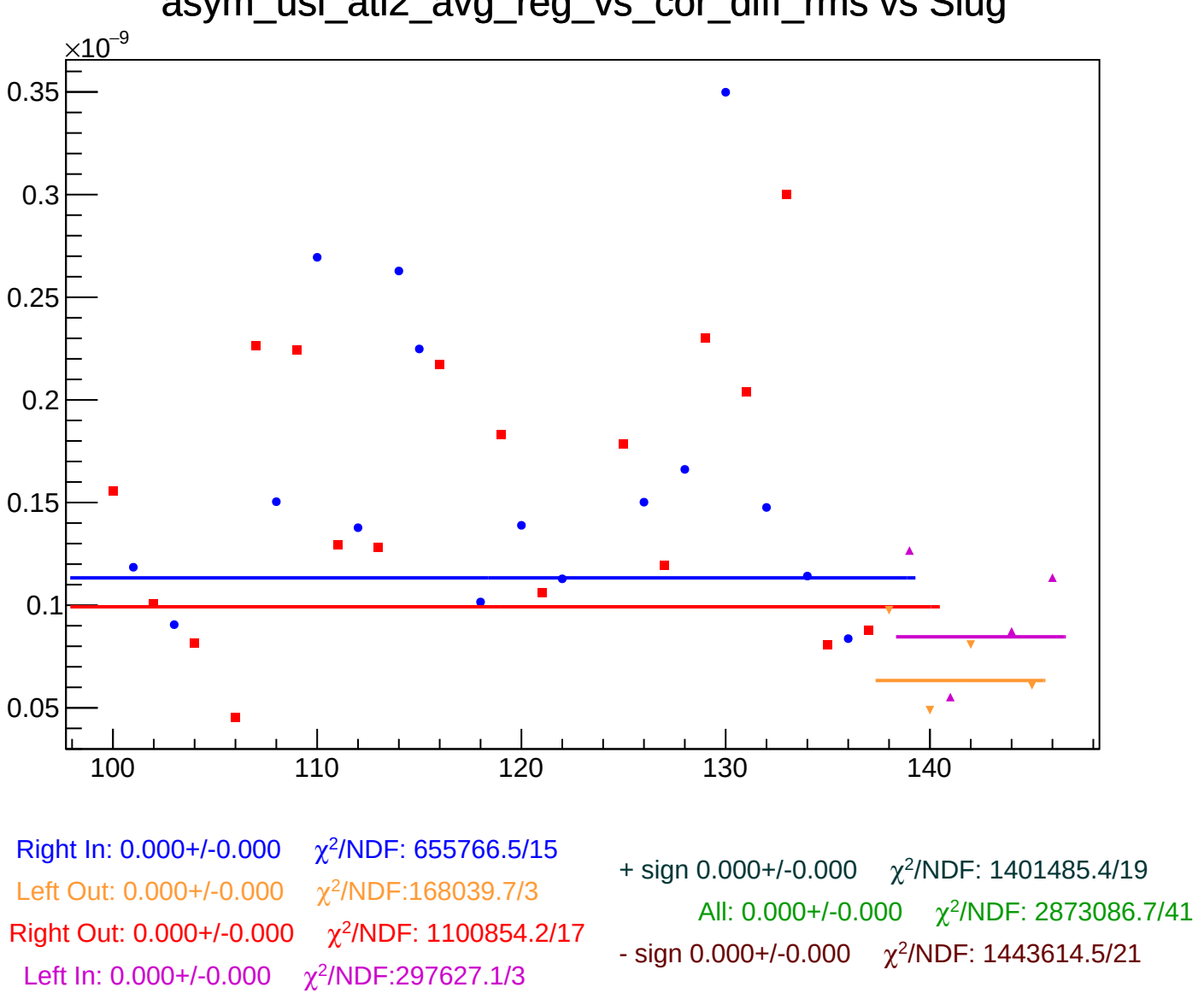
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/3

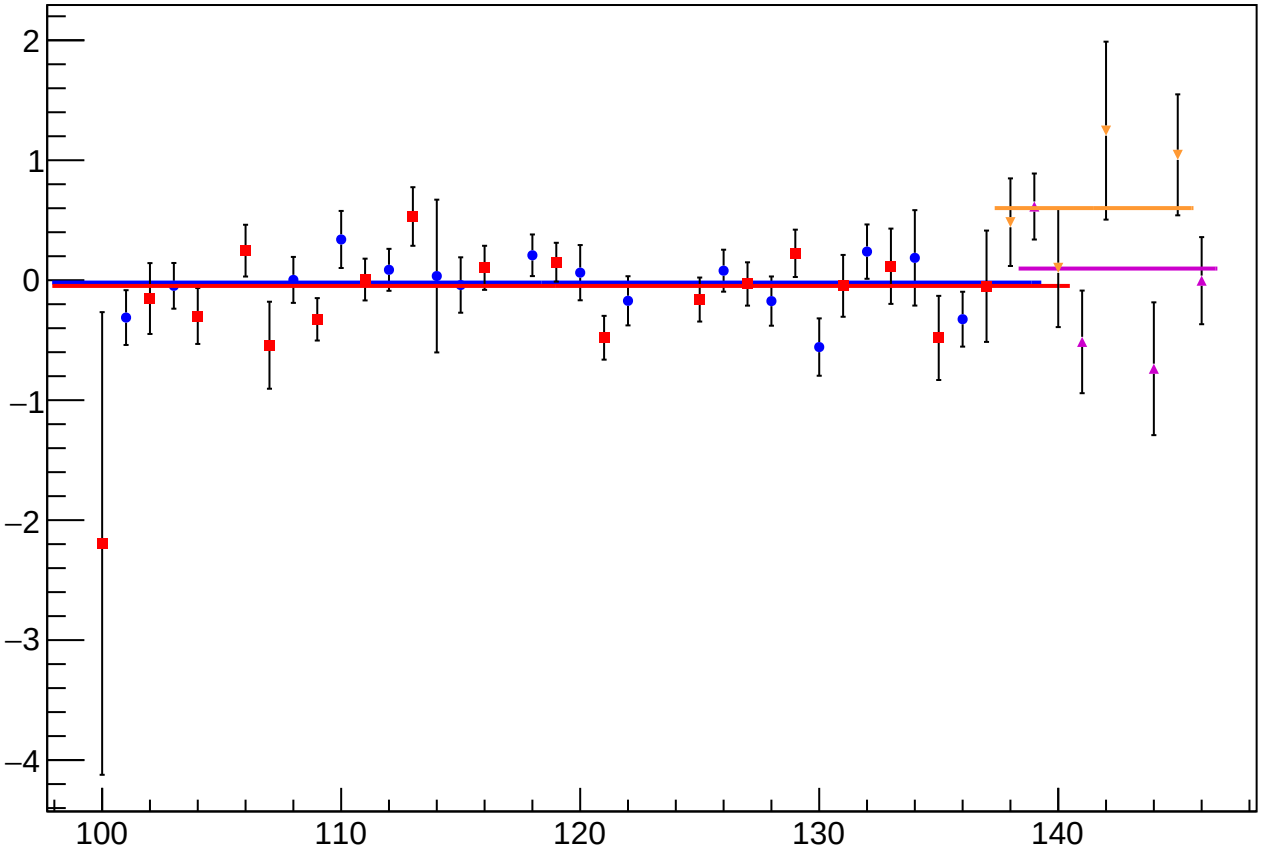
+ sign 0.000+/-0.000 χ^2/NDF: 22.1/19

All: 0.000+/-0.000 χ^2/NDF: 62.1/41

- sign -0.000+/-0.000 χ^2/NDF: 39.3/21


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 655766.5/15
Left Out: 0.000+/-0.000 χ²/NDF:168039.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 1100854.2/17
Left In: 0.000+/-0.000 χ²/NDF:297627.1/3
+ sign 0.000+/-0.000 χ²/NDF: 1401485.4/19
All: 0.000+/-0.000 χ²/NDF: 2873086.7/41
- sign 0.000+/-0.000 χ²/NDF: 1443614.5/21

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: 0.601+/-0.240 χ^2/NDF:2.7/3

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

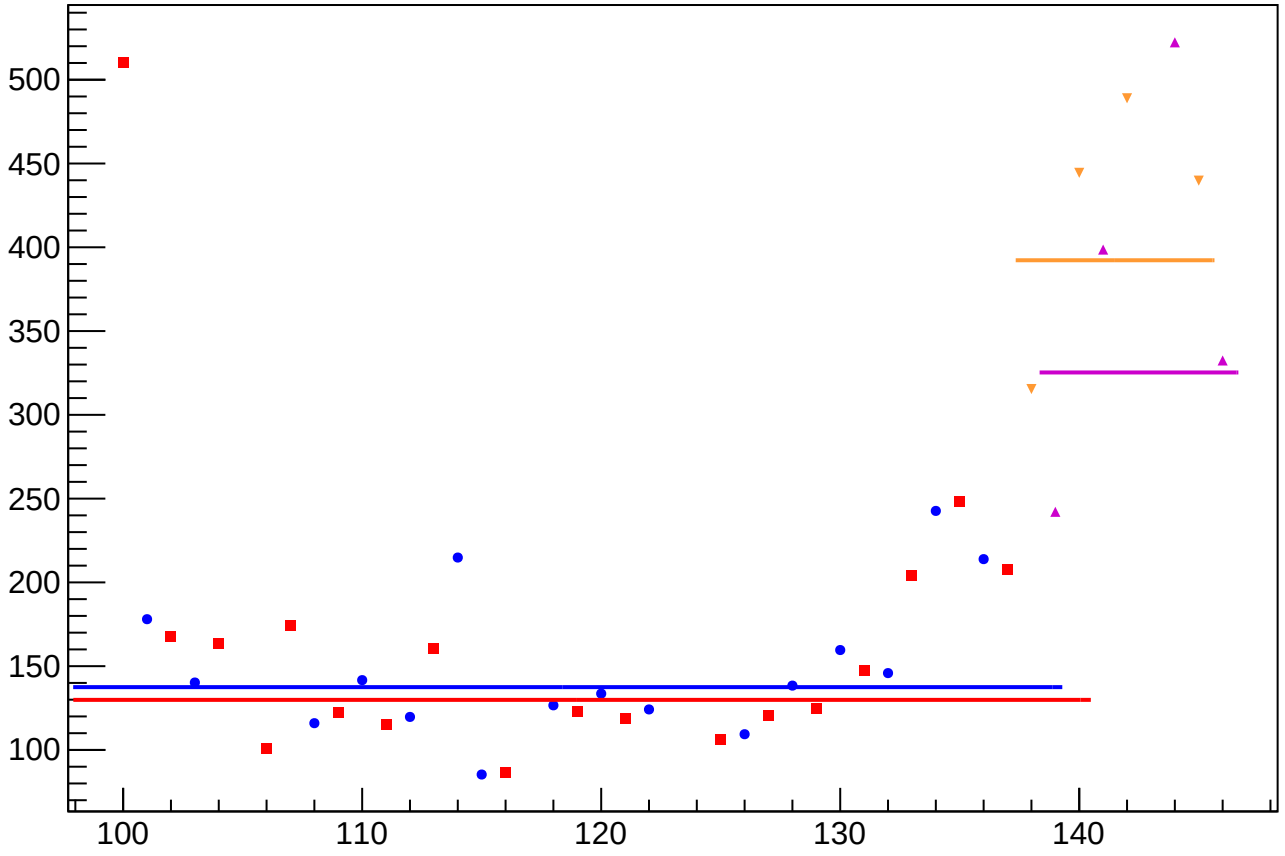
Left In: 0.097+/-0.184 χ^2/NDF:7.9/3

+ sign 0.010+/-0.053 χ^2/NDF: 25.0/19

All: -0.014+/-0.037 χ^2/NDF: 60.2/41

- sign -0.037+/-0.050 χ^2/NDF: 34.8/21

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 392.259+/-0.170 χ^2/NDF:162662.1/3

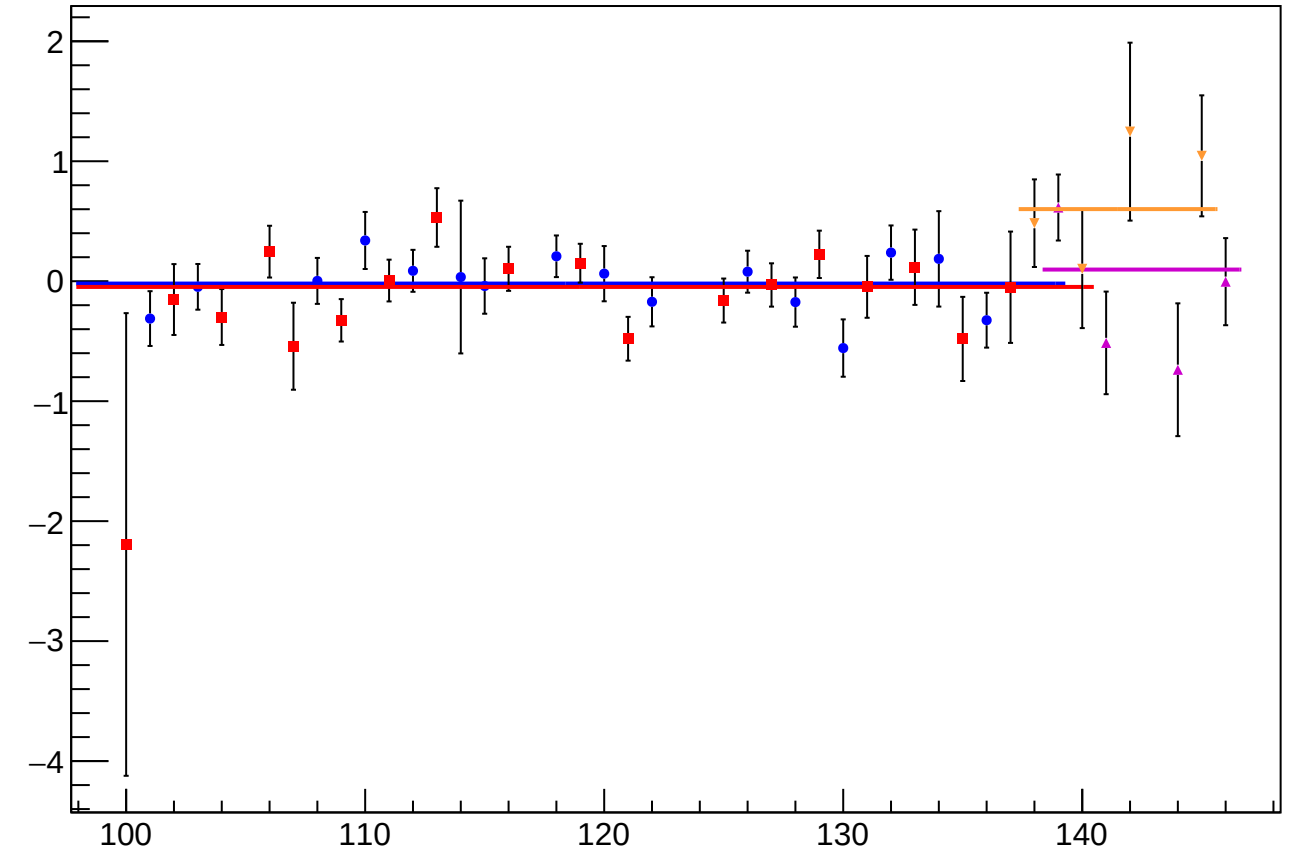
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.290+/-0.130 χ^2/NDF:495810.9/3

+ sign 149.848+/-0.037 χ^2/NDF: 2998266.5/19

All: 147.099+/-0.026 χ^2/NDF: 6423944.7/41

- sign 144.593+/-0.036 χ^2/NDF: 3415342.4/21



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.601+/-0.240 χ^2/NDF:2.7/3

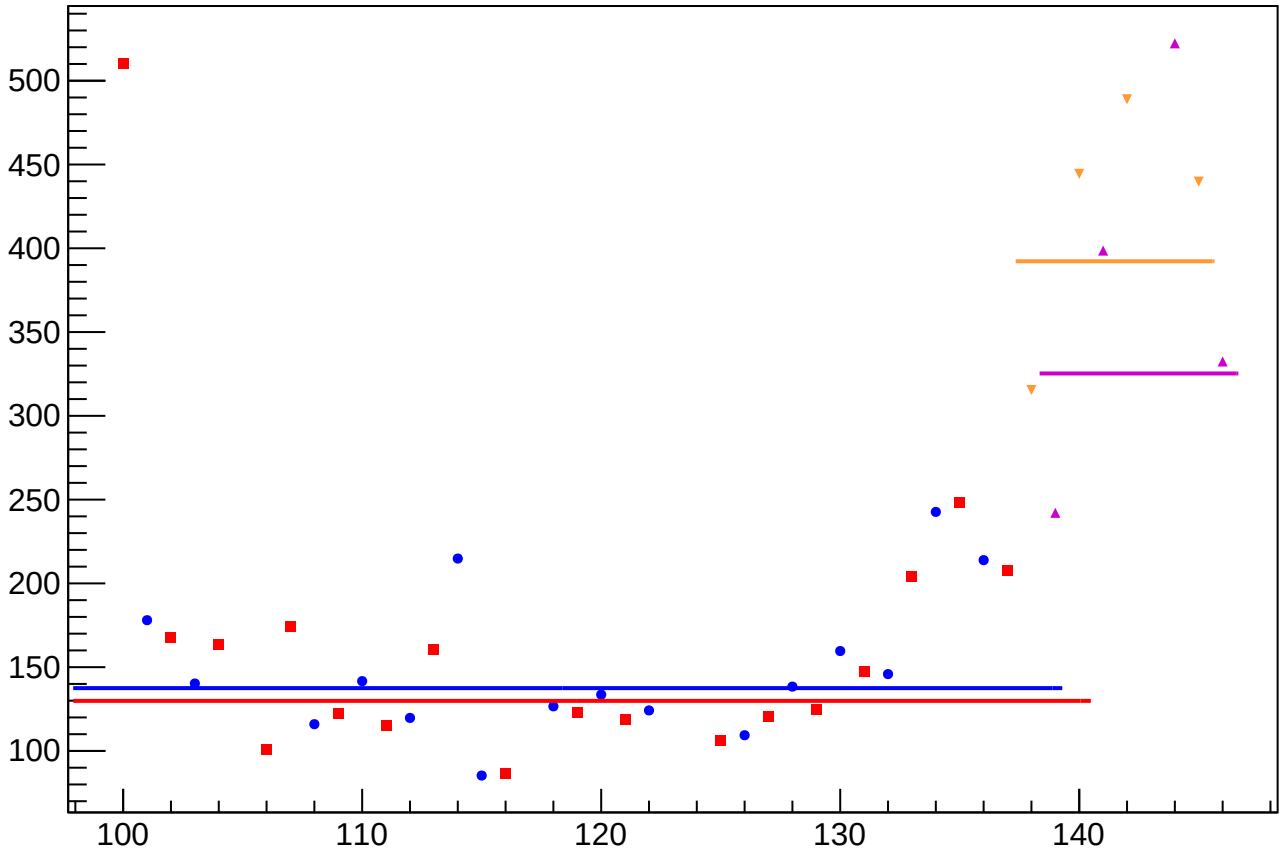
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.097+/-0.184 χ^2/NDF:7.9/3

+ sign 0.010+/-0.053 χ^2/NDF: 25.0/19

All: -0.014+/-0.037 χ^2/NDF: 60.2/41

- sign -0.037+/-0.050 χ^2/NDF: 34.8/21



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 392.259+/-0.170 χ^2/NDF:162662.1/3

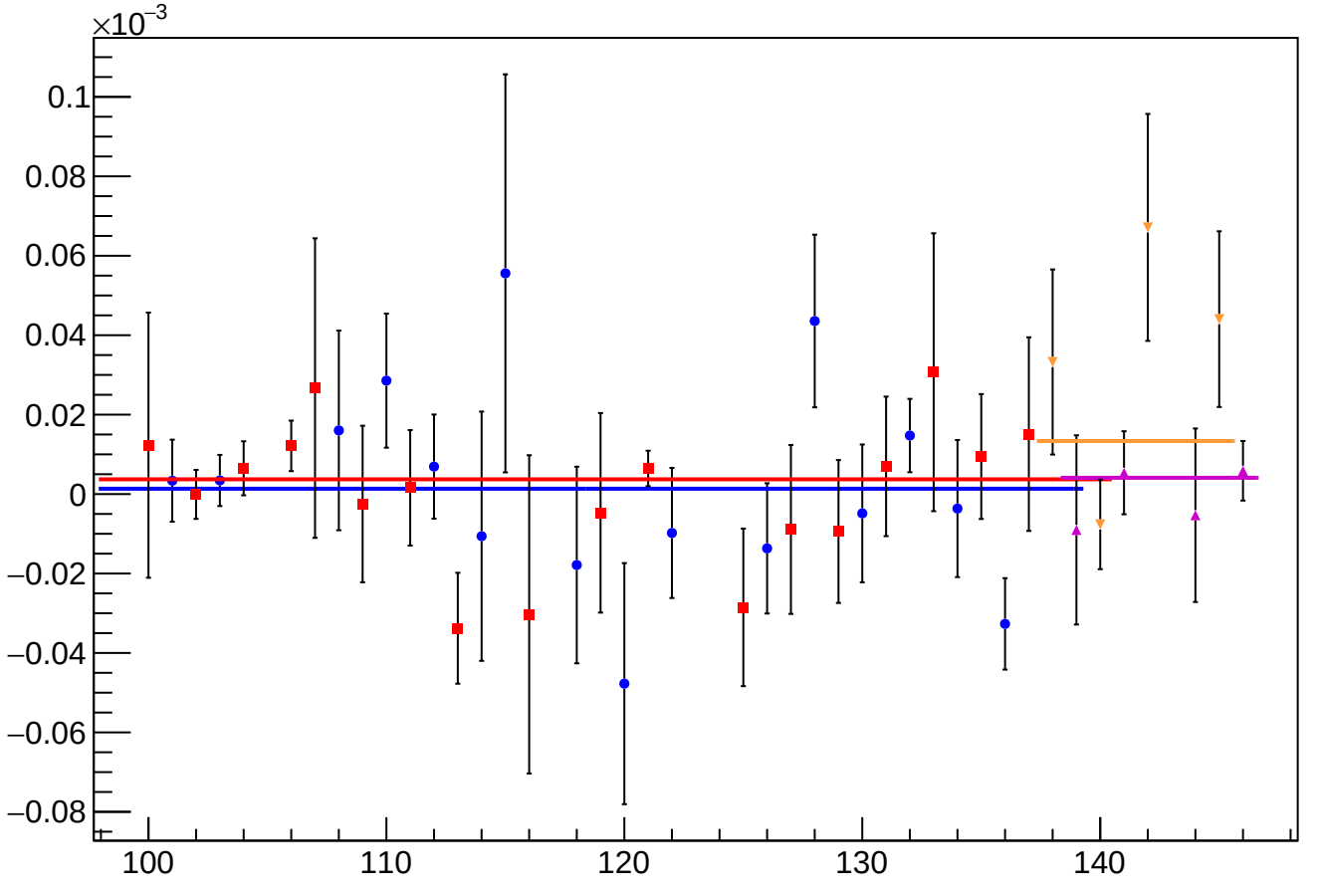
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.290+/-0.130 χ^2/NDF:495810.9/3

+ sign 149.848+/-0.037 χ^2/NDF: 2998266.5/19

All: 147.099+/-0.026 χ^2/NDF: 6423944.7/41

- sign 144.593+/-0.036 χ^2/NDF: 3415342.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

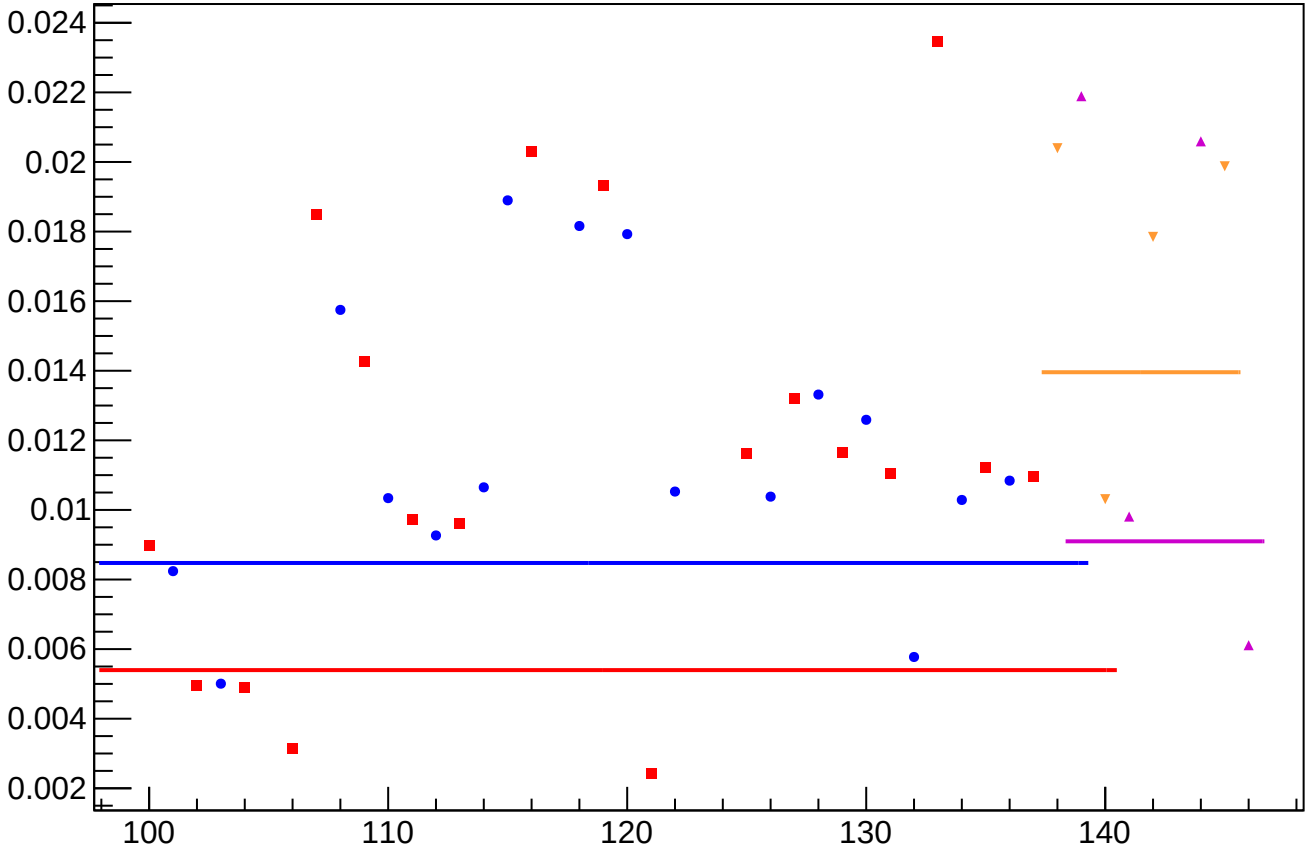
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/19

All: 0.000+/-0.000 χ^2/NDF: 51.6/41

- sign 0.000+/-0.000 χ^2/NDF: 16.3/21

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: 0.014+/-0.000 χ^2/NDF:542556.5/3

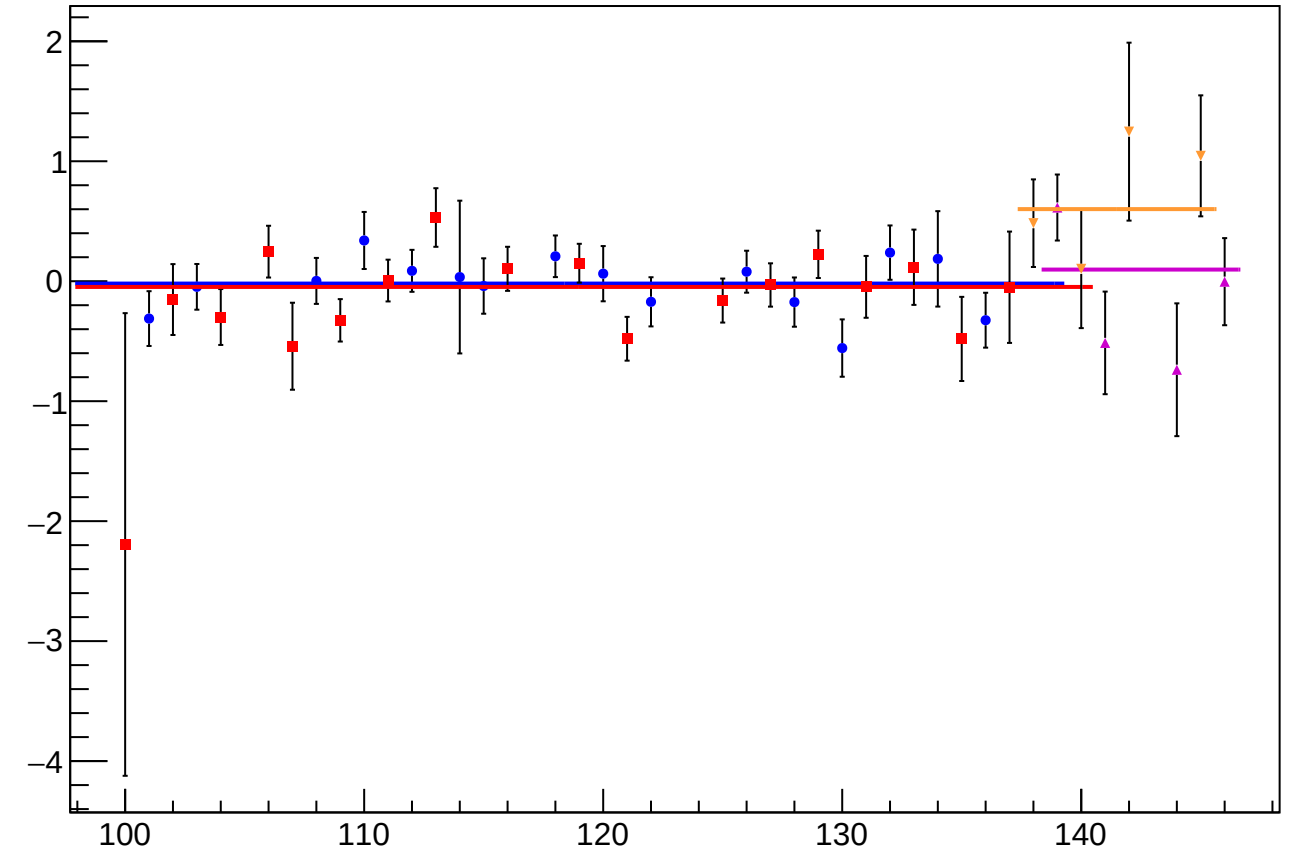
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.009+/-0.000 χ^2/NDF:1457199.9/3

+ sign 0.009+/-0.000 χ^2/NDF: 3144492.2/19

All: 0.007+/-0.000 χ^2/NDF: 11529014.2/41

- sign 0.006+/-0.000 χ^2/NDF: 7071526.8/21



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.601+/-0.240 χ^2/NDF:2.7/3

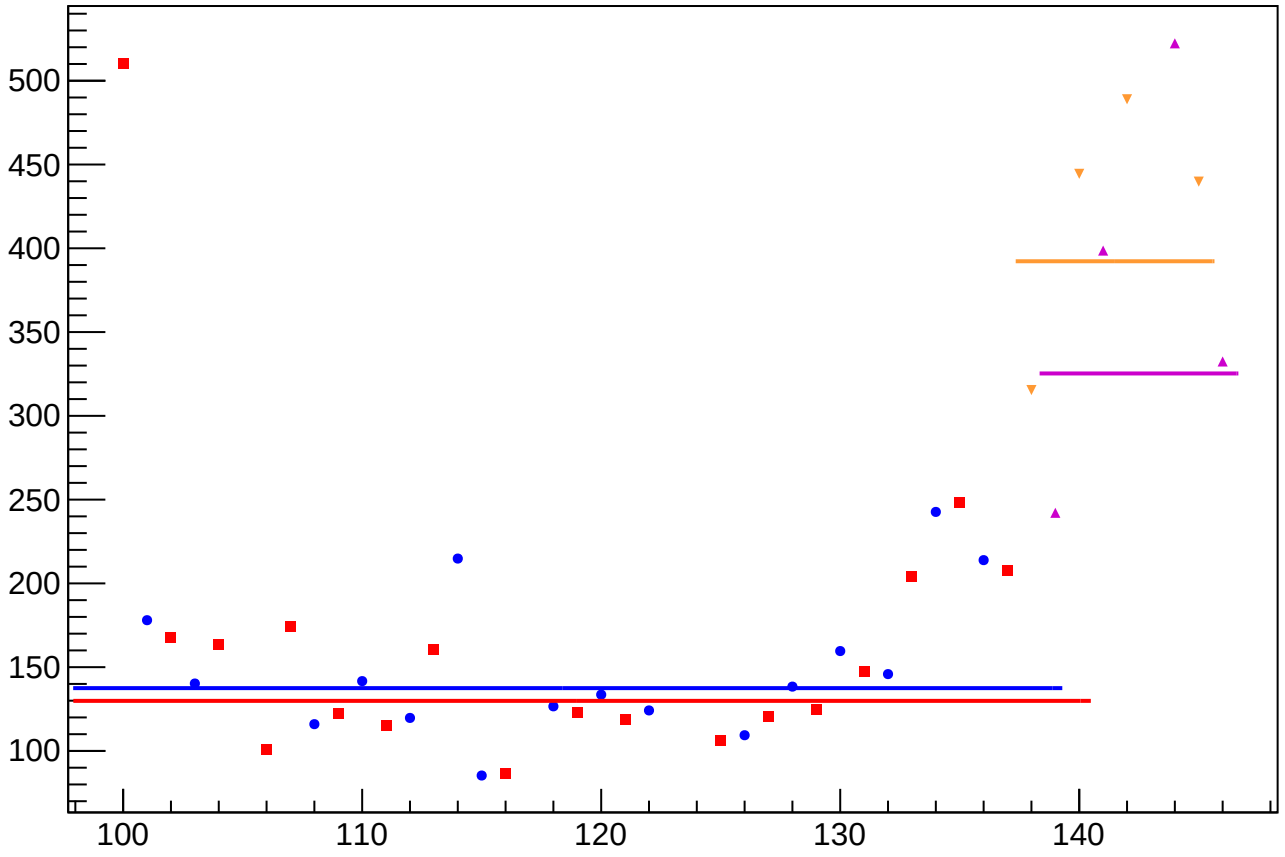
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.097+/-0.184 χ^2/NDF:7.9/3

+ sign 0.010+/-0.053 χ^2/NDF: 25.0/19

All: -0.014+/-0.037 χ^2/NDF: 60.2/41

- sign -0.037+/-0.050 χ^2/NDF: 34.8/21



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 392.264+/-0.170 χ^2/NDF:162677.2/3

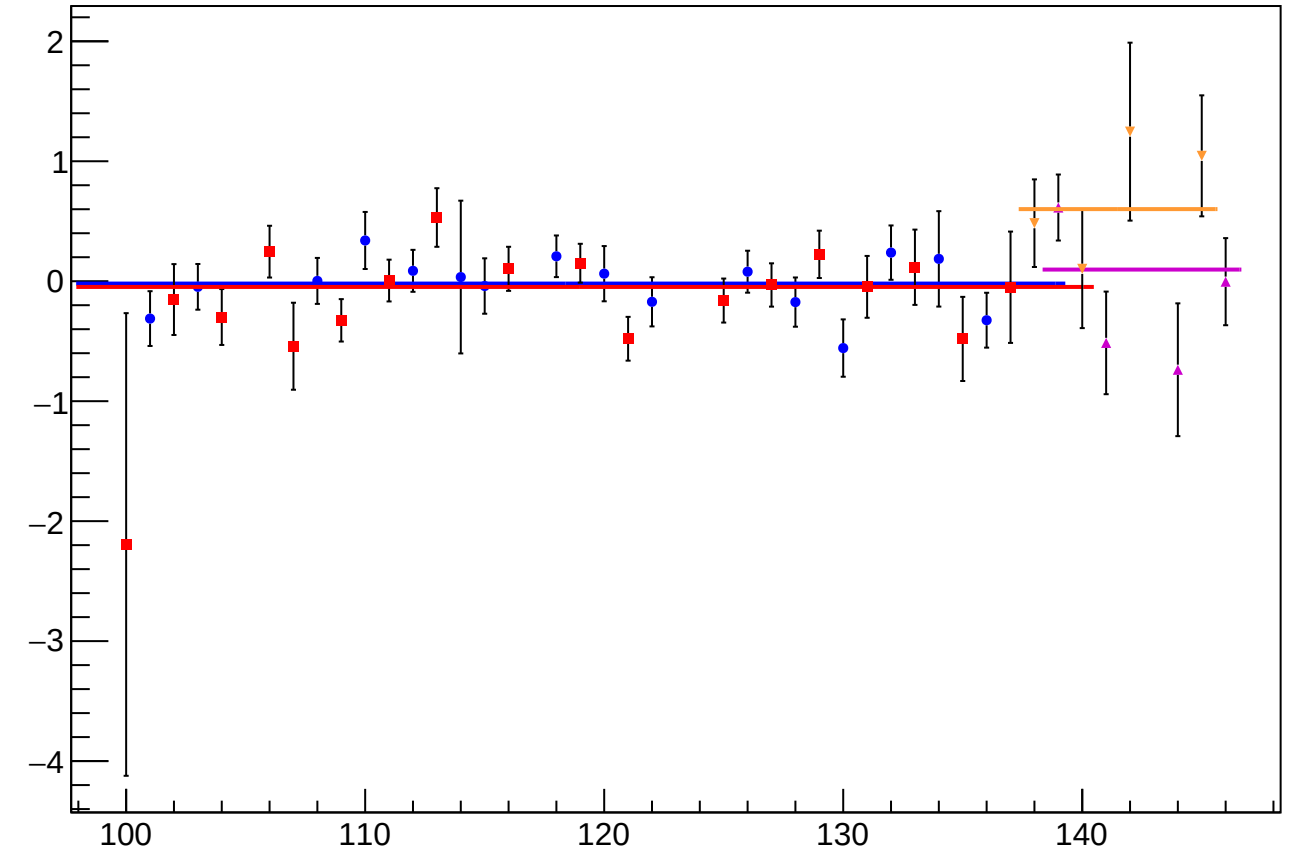
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.296+/-0.130 χ^2/NDF:495789.7/3

+ sign 149.848+/-0.037 χ^2/NDF: 2998291.3/19

All: 147.099+/-0.026 χ^2/NDF: 6423966.9/41

- sign 144.593+/-0.036 χ^2/NDF: 3415340.7/21



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.601+/-0.240 χ^2/NDF:2.7/3

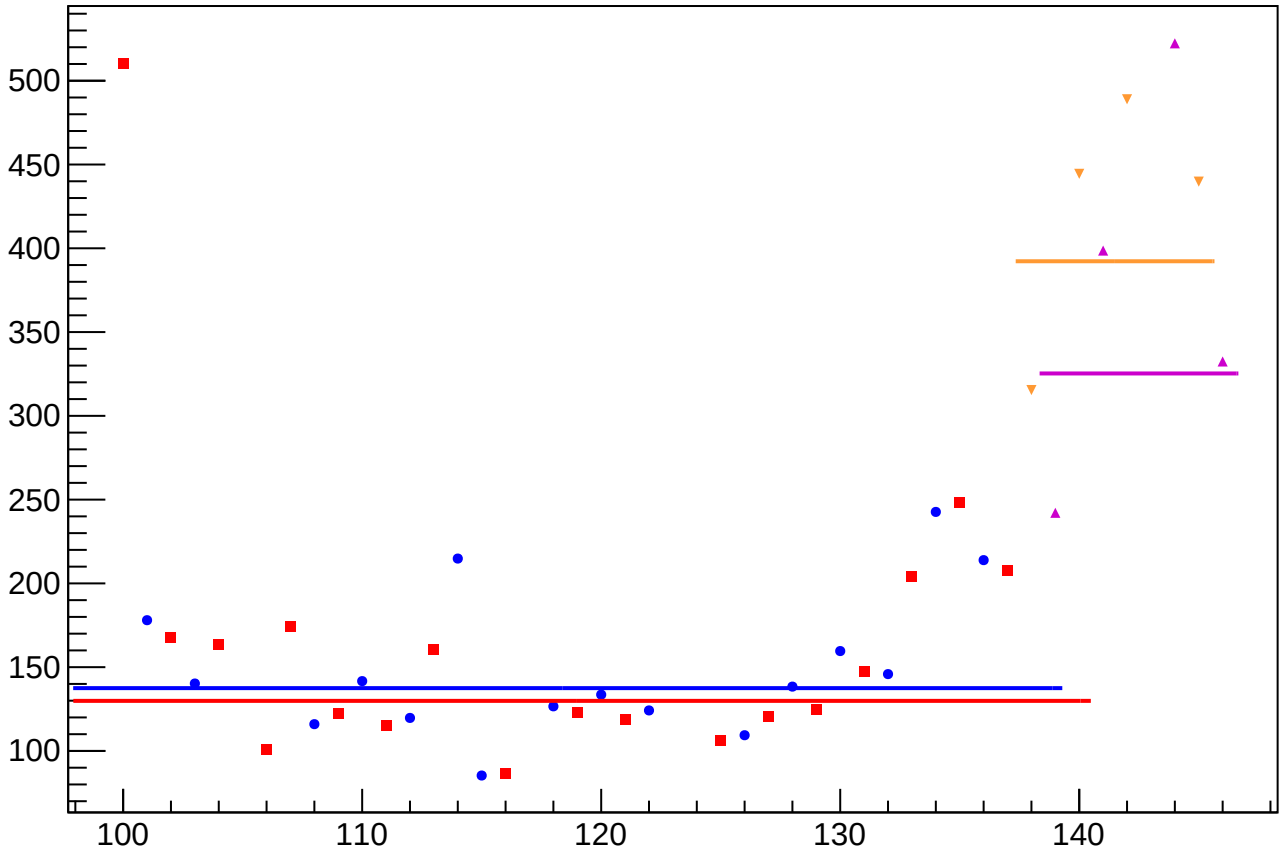
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.097+/-0.184 χ^2/NDF:7.9/3

+ sign 0.010+/-0.053 χ^2/NDF: 25.0/19

All: -0.014+/-0.037 χ^2/NDF: 60.2/41

- sign -0.037+/-0.050 χ^2/NDF: 34.8/21



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 392.264+/-0.170 χ^2/NDF:162677.2/3

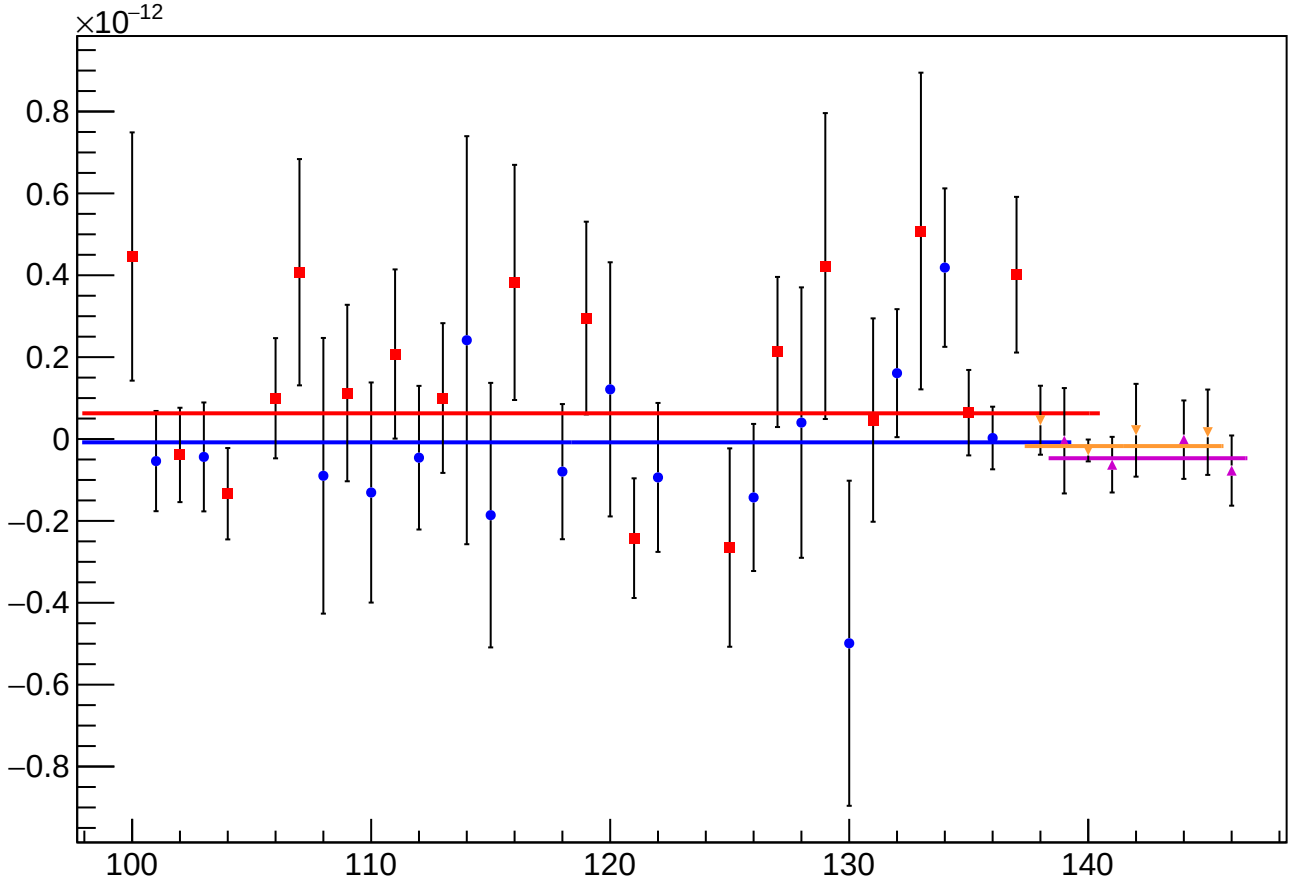
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.296+/-0.130 χ^2/NDF:495789.7/3

+ sign 149.848+/-0.037 χ^2/NDF: 2998291.3/19

All: 147.099+/-0.026 χ^2/NDF: 6423966.9/41

- sign 144.593+/-0.036 χ^2/NDF: 3415340.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/3

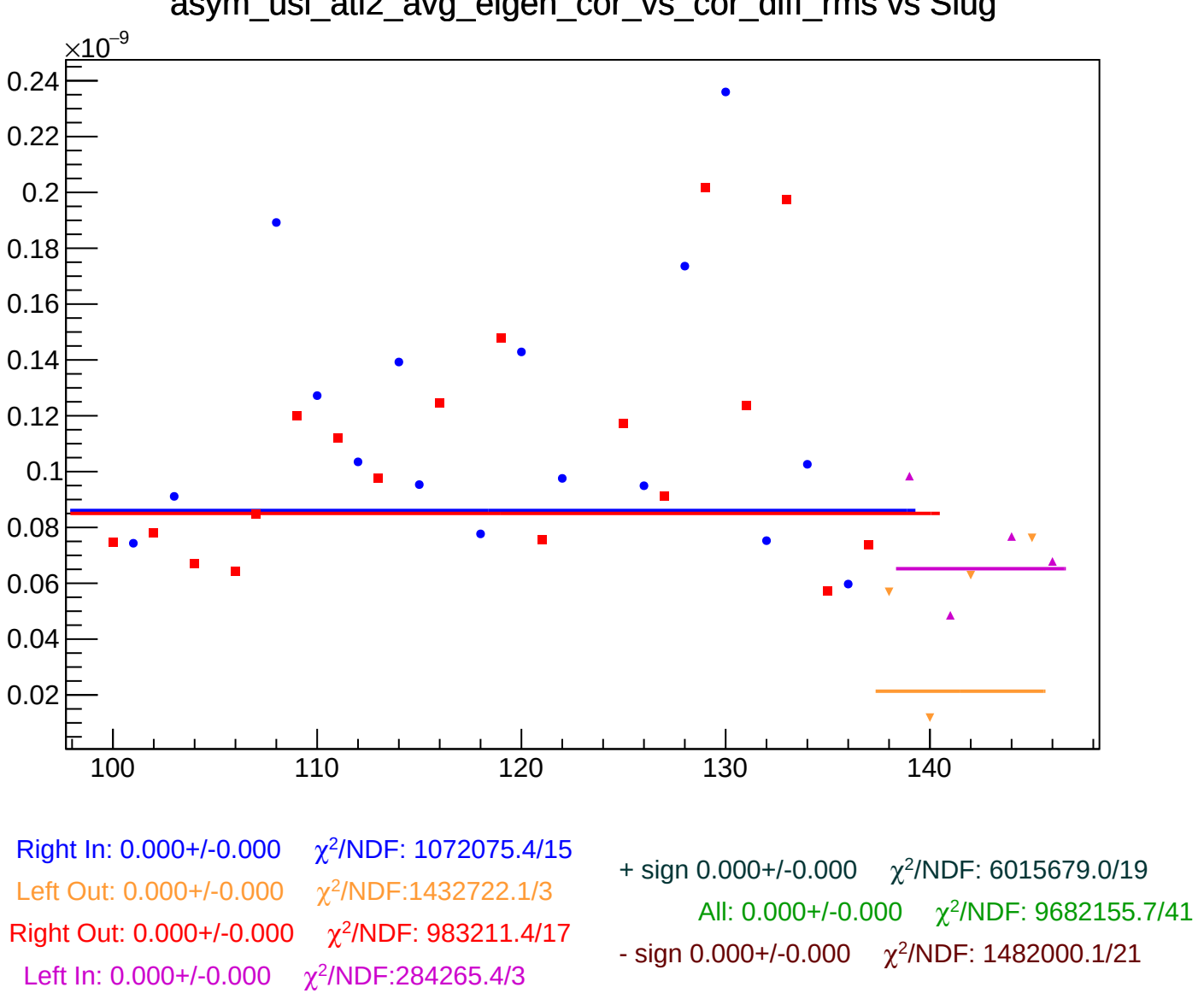
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

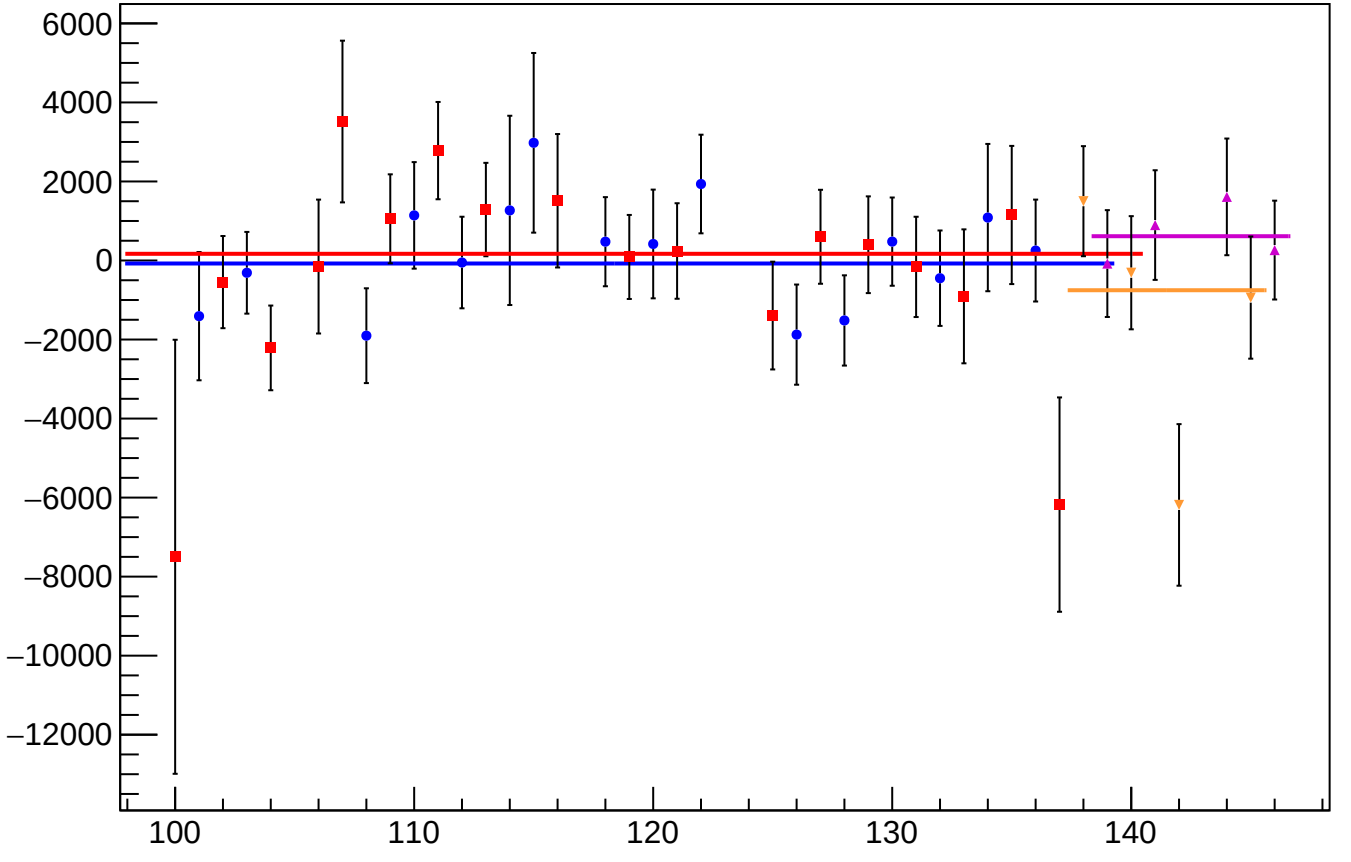
+ sign -0.000+/-0.000 χ^2/NDF: 10.8/19

All: -0.000+/-0.000 χ^2/NDF: 37.3/41

- sign 0.000+/-0.000 χ^2/NDF: 26.0/21


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1072075.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1432722.1/3
Right Out: 0.000+/-0.000 χ²/NDF: 983211.4/17
Left In: 0.000+/-0.000 χ²/NDF:284265.4/3
+ sign 0.000+/-0.000 χ²/NDF: 6015679.0/19
All: 0.000+/-0.000 χ²/NDF: 9682155.7/41
- sign 0.000+/-0.000 χ²/NDF: 1482000.1/21

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: -752.438+/-775.946 χ^2/NDF:9.8/3

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

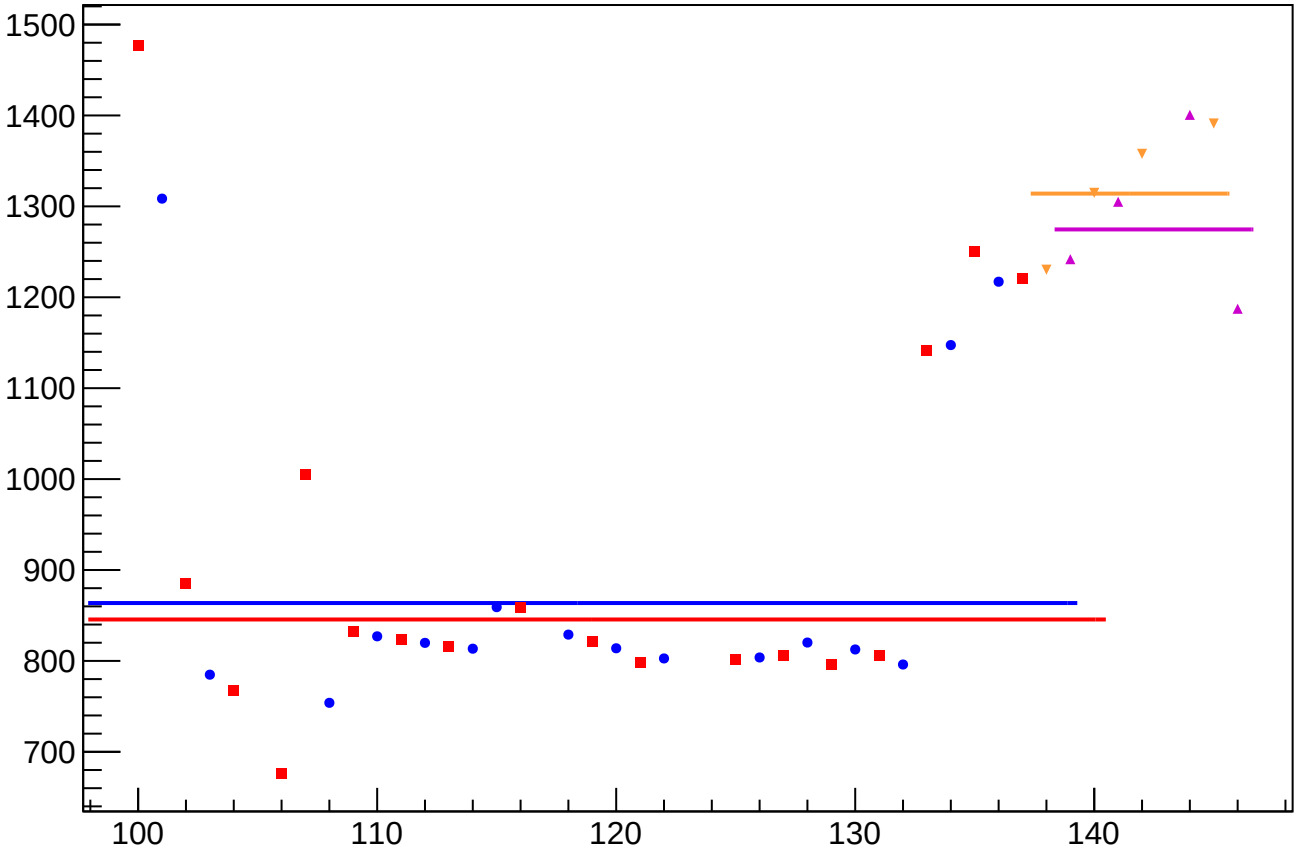
Left In: 614.535+/-679.645 χ^2/NDF:0.8/3

+ sign -177.558+/-300.729 χ^2/NDF: 23.8/19

All: 43.804+/-209.073 χ^2/NDF: 50.4/41

- sign 250.884+/-290.866 χ^2/NDF: 25.6/21

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1314.039+/-0.549 χ^2/NDF:13117.8/3

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

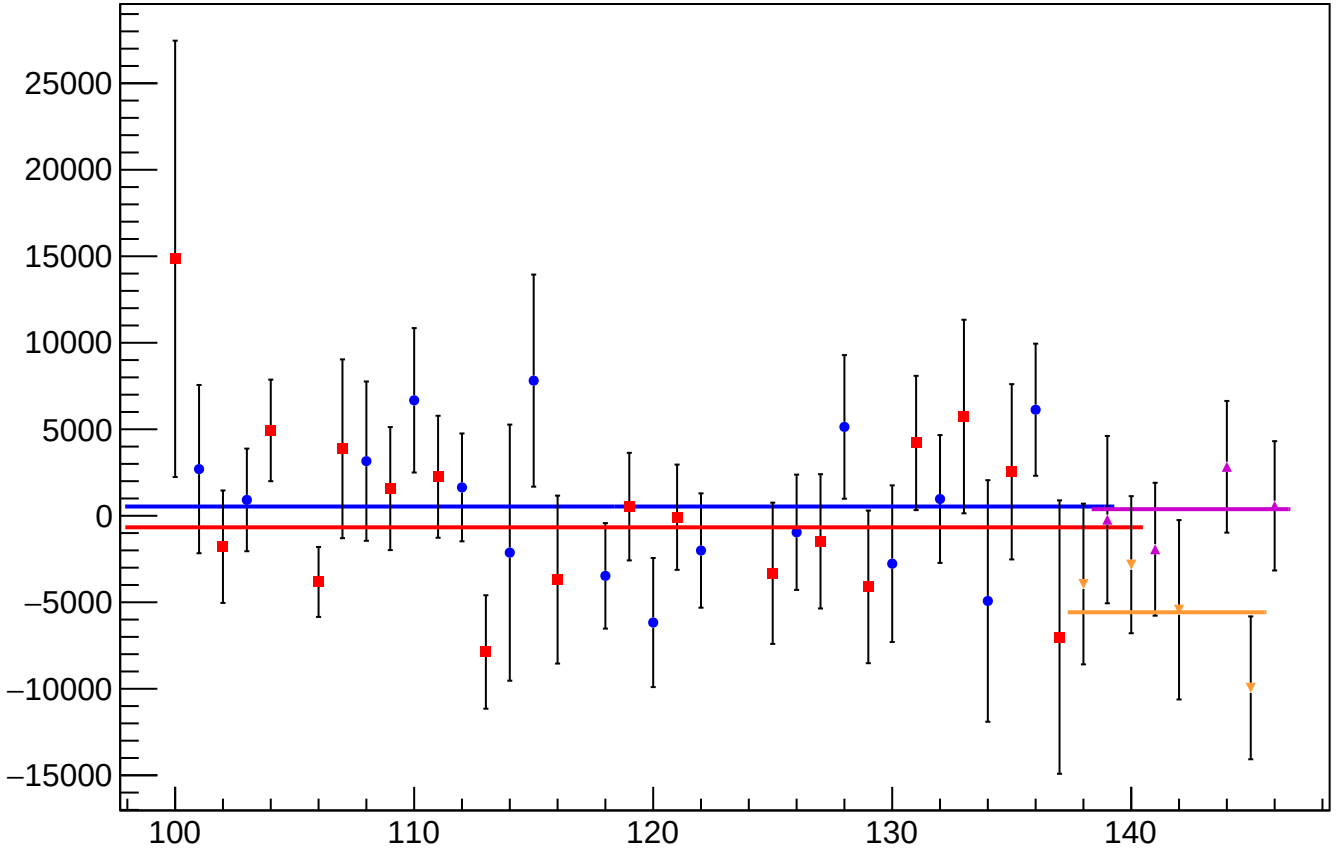
Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

+ sign 931.311+/-0.213 χ^2/NDF: 993194.2/19

All: 926.754+/-0.147 χ^2/NDF: 1982273.6/41

- sign 922.576+/-0.204 χ^2/NDF: 988199.1/21

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -5577.843+/-2203.801 χ^2/NDF:1.7/3

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

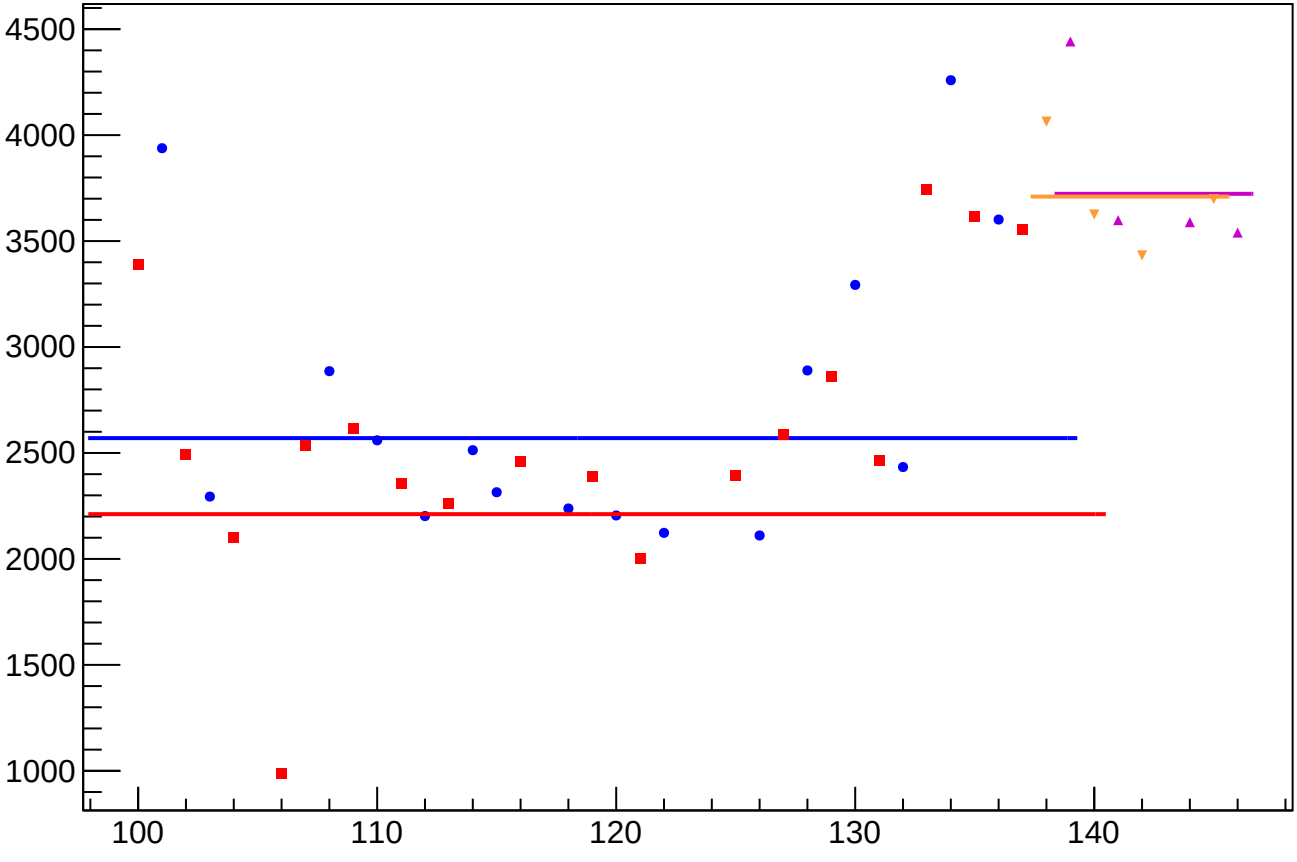
Left In: 381.938+/-1995.444 χ^2/NDF:0.8/3

+ sign -476.851+/-896.439 χ^2/NDF: 22.8/19

All: -489.906+/-594.215 χ^2/NDF: 43.8/41

- sign -500.138+/-793.618 χ^2/NDF: 21.0/21

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3709.884+/-1.558 χ^2/NDF:18252.5/3

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

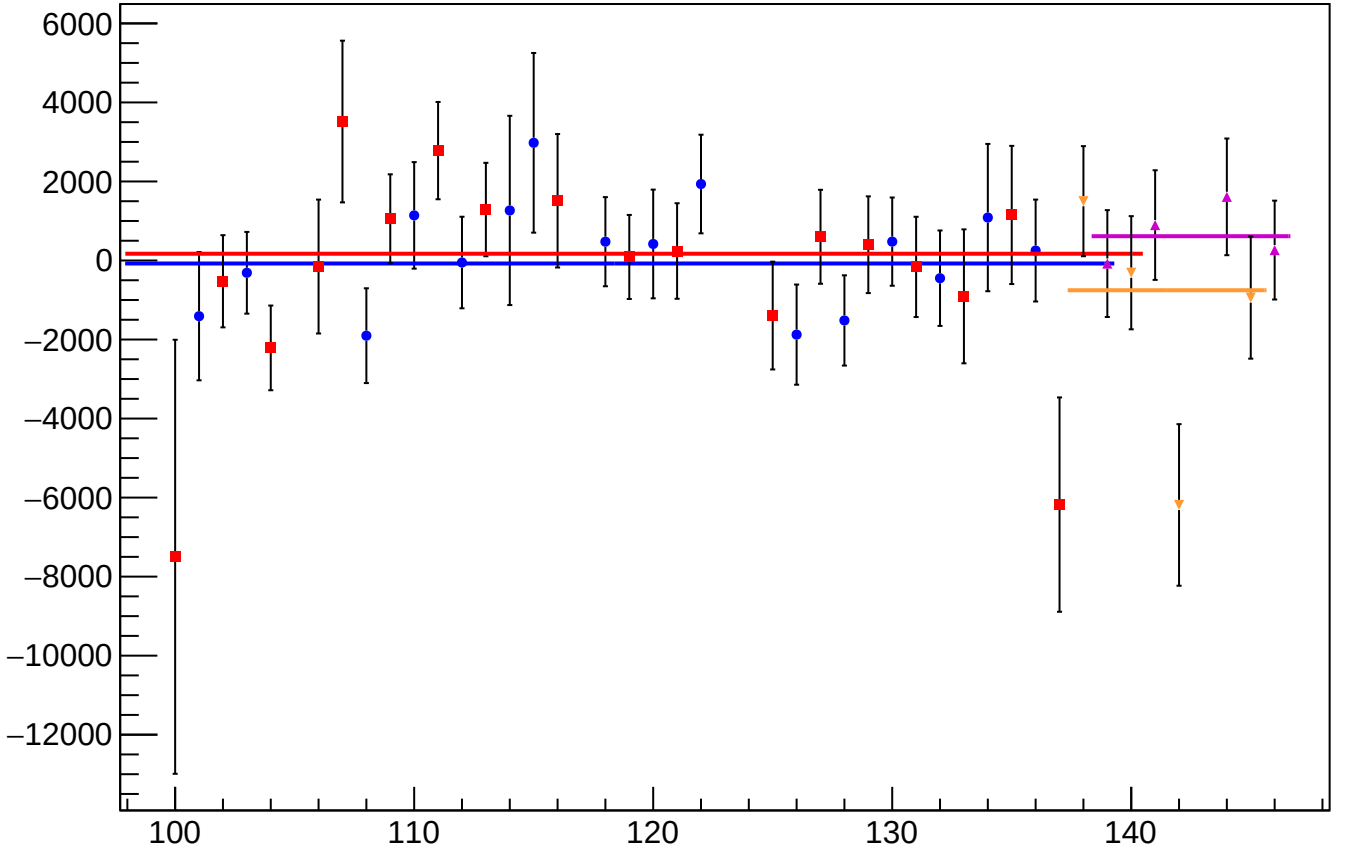
Left In: 3723.019+/-1.411 χ^2/NDF:53593.1/3

+ sign 2758.719+/-0.634 χ^2/NDF: 1127157.5/19

All: 2585.867+/-0.420 χ^2/NDF: 3543820.5/41

- sign 2450.393+/-0.561 χ^2/NDF: 2284023.5/21

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -752.541+/-775.946 χ^2/NDF:9.8/3

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

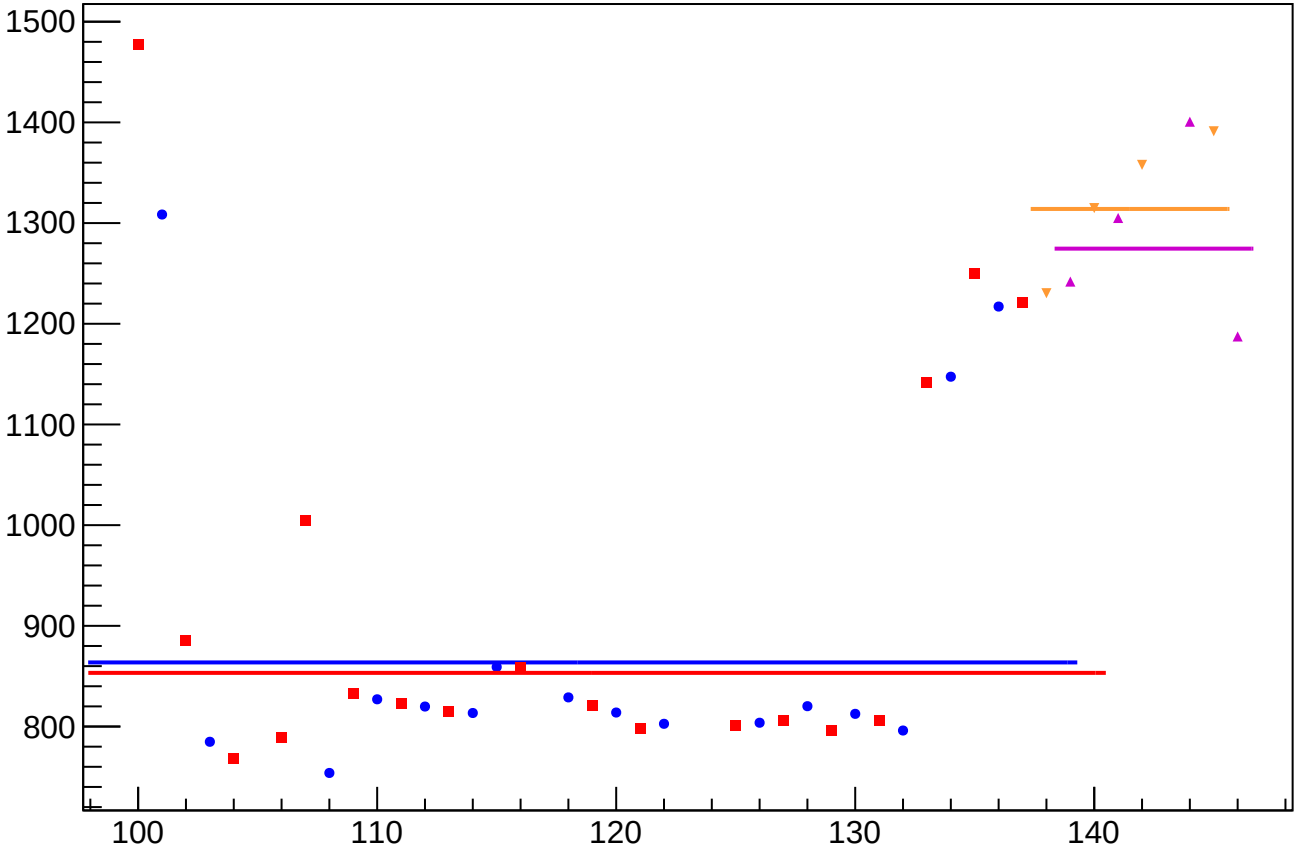
Left In: 614.595+/-679.645 χ^2/NDF:0.8/3

+ sign -177.640+/-300.729 χ^2/NDF: 23.8/19

All: 44.460+/-209.075 χ^2/NDF: 50.4/41

- sign 252.234+/-290.869 χ^2/NDF: 25.5/21

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1314.039+/-0.549 χ^2/NDF:13117.8/3

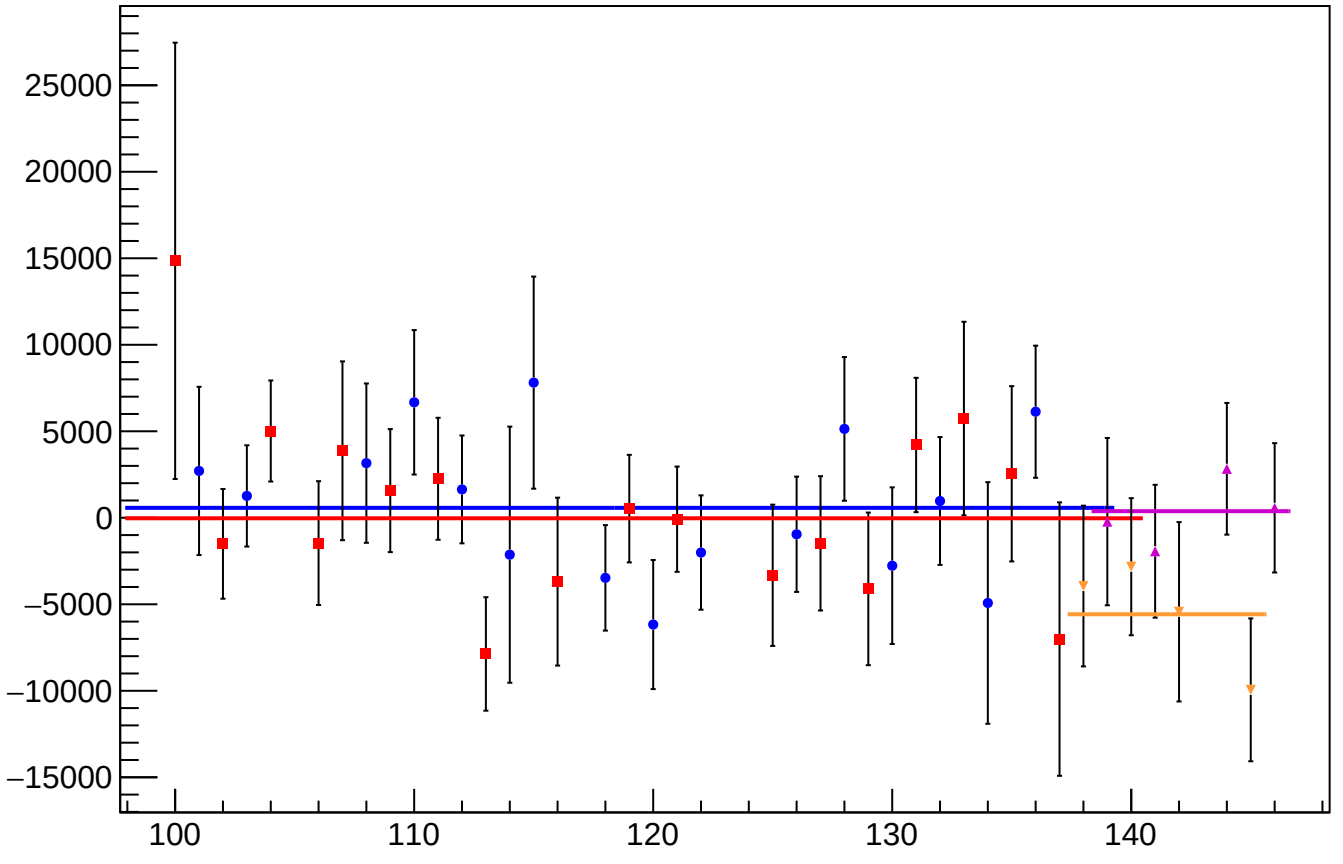
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

+ sign 931.311+/-0.213 χ^2/NDF: 993194.1/19

All: 930.532+/-0.148 χ^2/NDF: 1924052.5/41

- sign 929.810+/-0.205 χ^2/NDF: 930832.6/21



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -5578.012+/-2203.802 χ^2/NDF:1.7/3

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

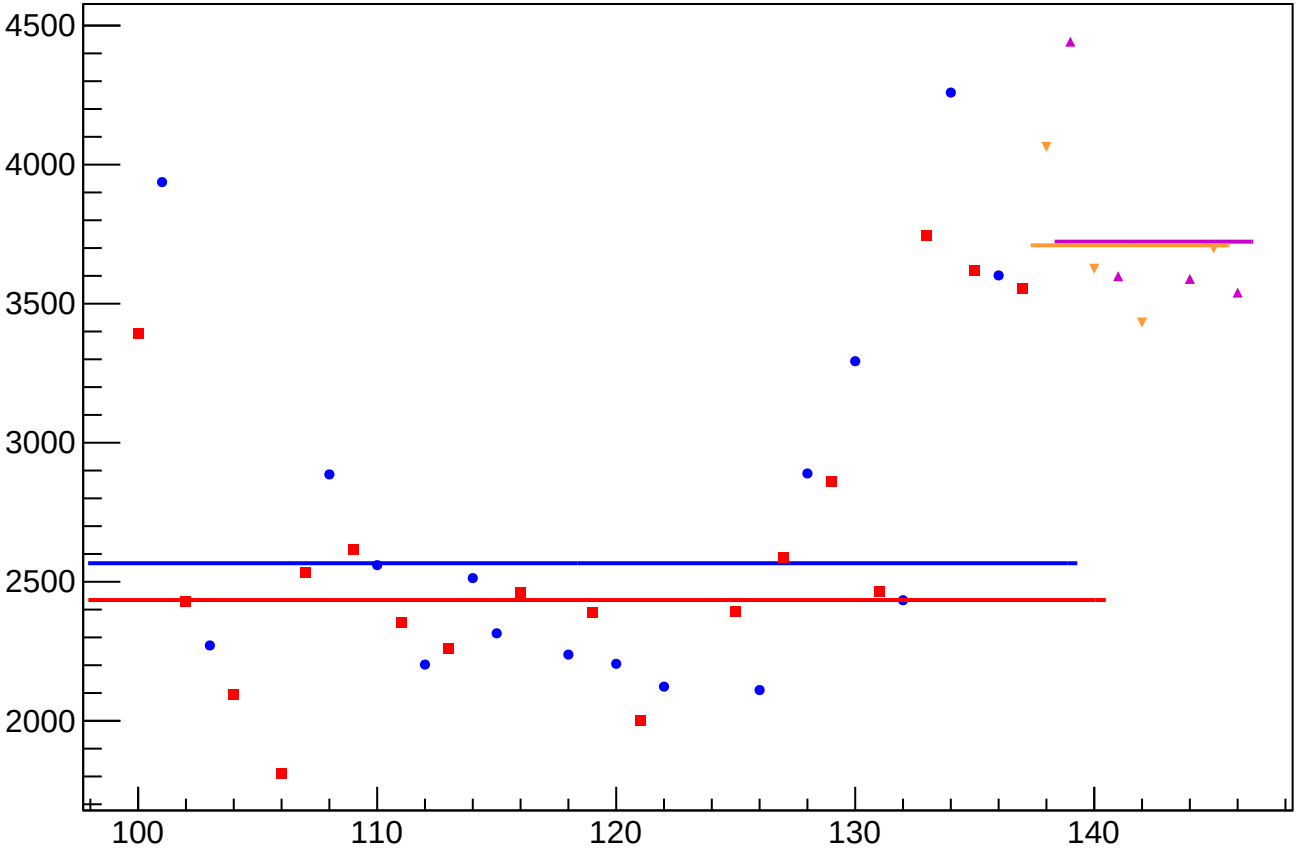
Left In: 381.957+/-1995.443 χ^2/NDF:0.8/3

+ sign -440.632+/-895.345 χ^2/NDF: 22.9/19

All: -182.221+/-611.459 χ^2/NDF: 41.1/41

- sign 43.642+/-837.061 χ^2/NDF: 18.0/21

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3709.887+/-1.558 χ^2/NDF:18251.0/3

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

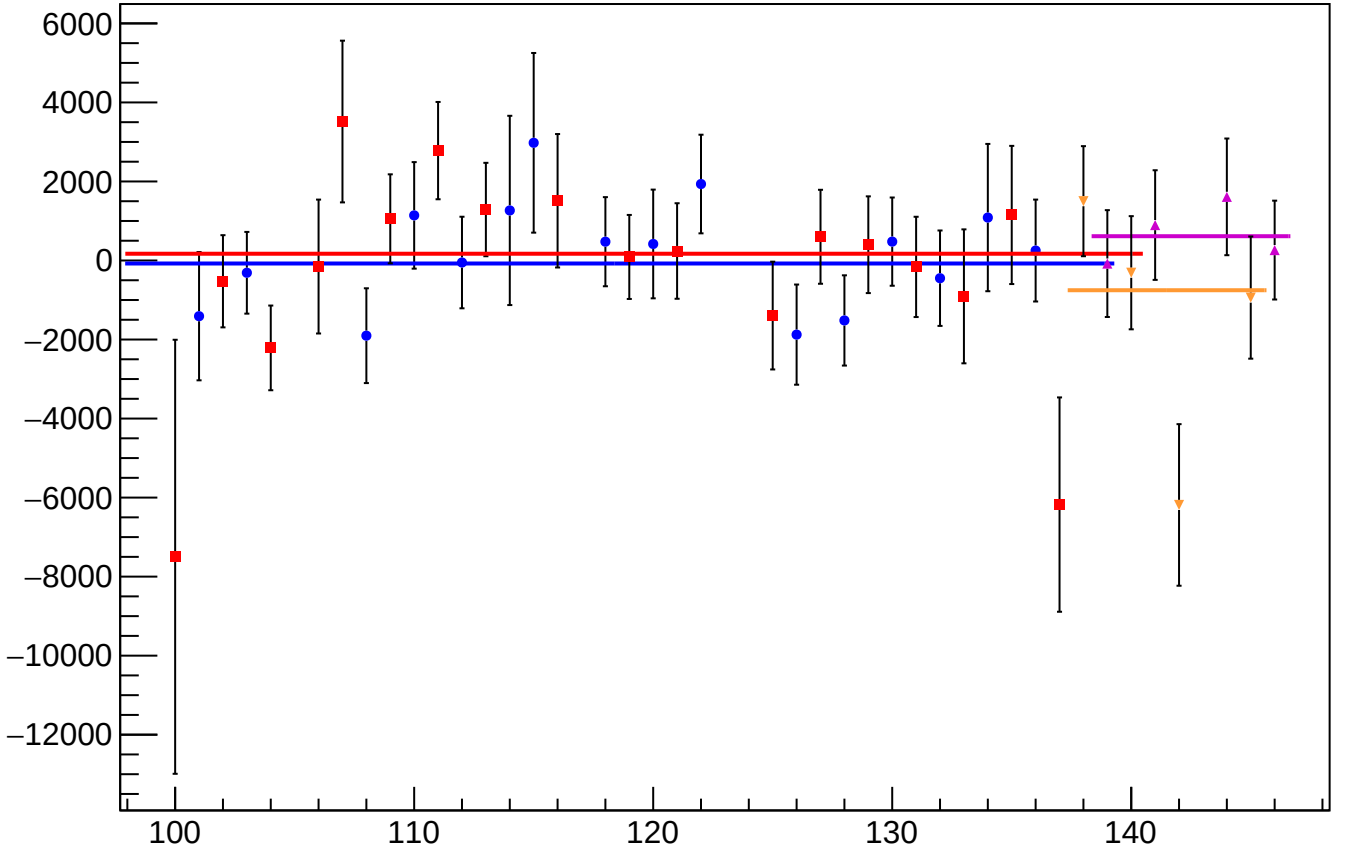
Left In: 3723.016+/-1.411 χ^2/NDF:53592.6/3

+ sign 2755.419+/-0.633 χ^2/NDF: 1133437.8/19

All: 2705.133+/-0.432 χ^2/NDF: 2320193.1/41

- sign 2661.181+/-0.592 χ^2/NDF: 1174932.5/21

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -752.541+/-775.946 χ^2/NDF:9.8/3

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

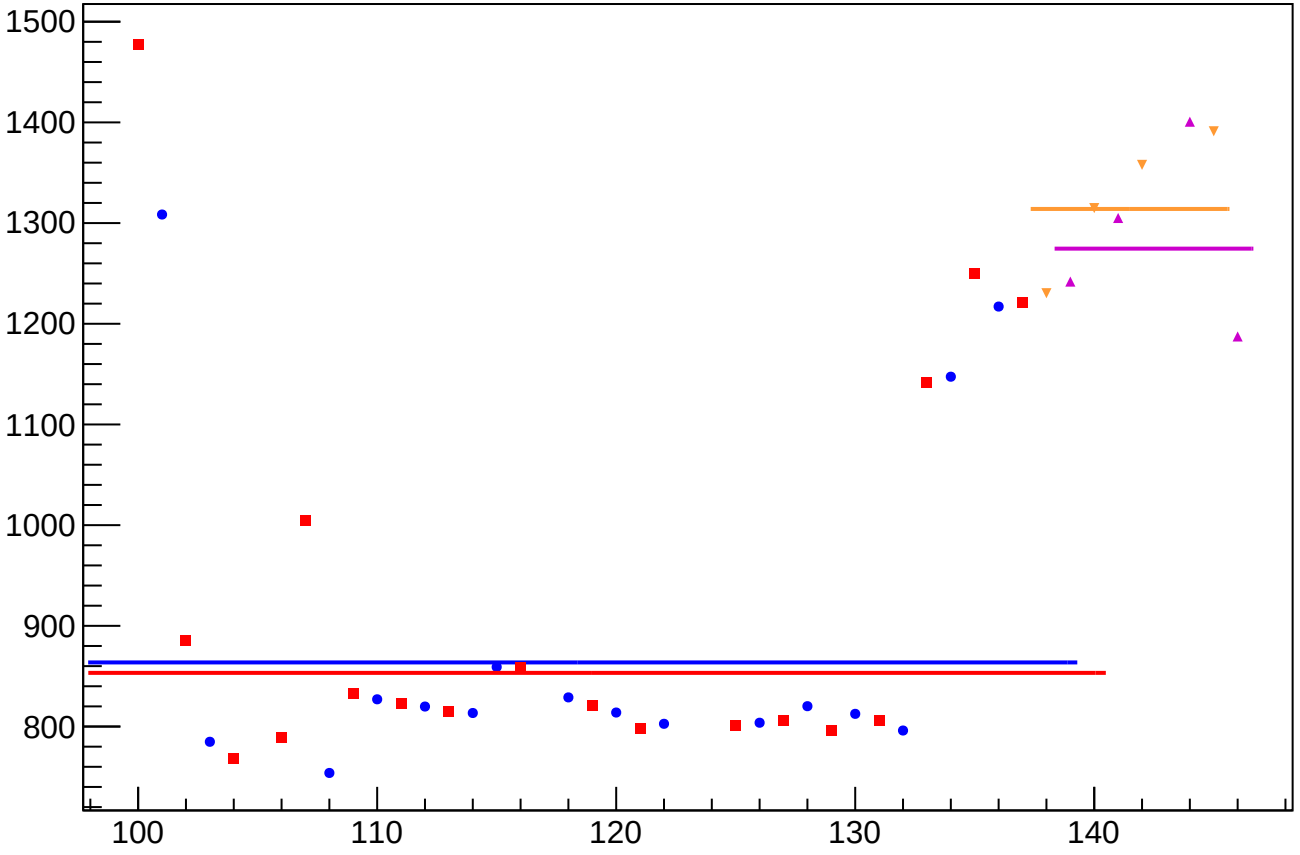
Left In: 614.595+/-679.645 χ^2/NDF:0.8/3

+ sign -177.640+/-300.729 χ^2/NDF: 23.8/19

All: 44.460+/-209.075 χ^2/NDF: 50.4/41

- sign 252.234+/-290.869 χ^2/NDF: 25.5/21

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1314.039+/-0.549 χ^2/NDF:13117.8/3

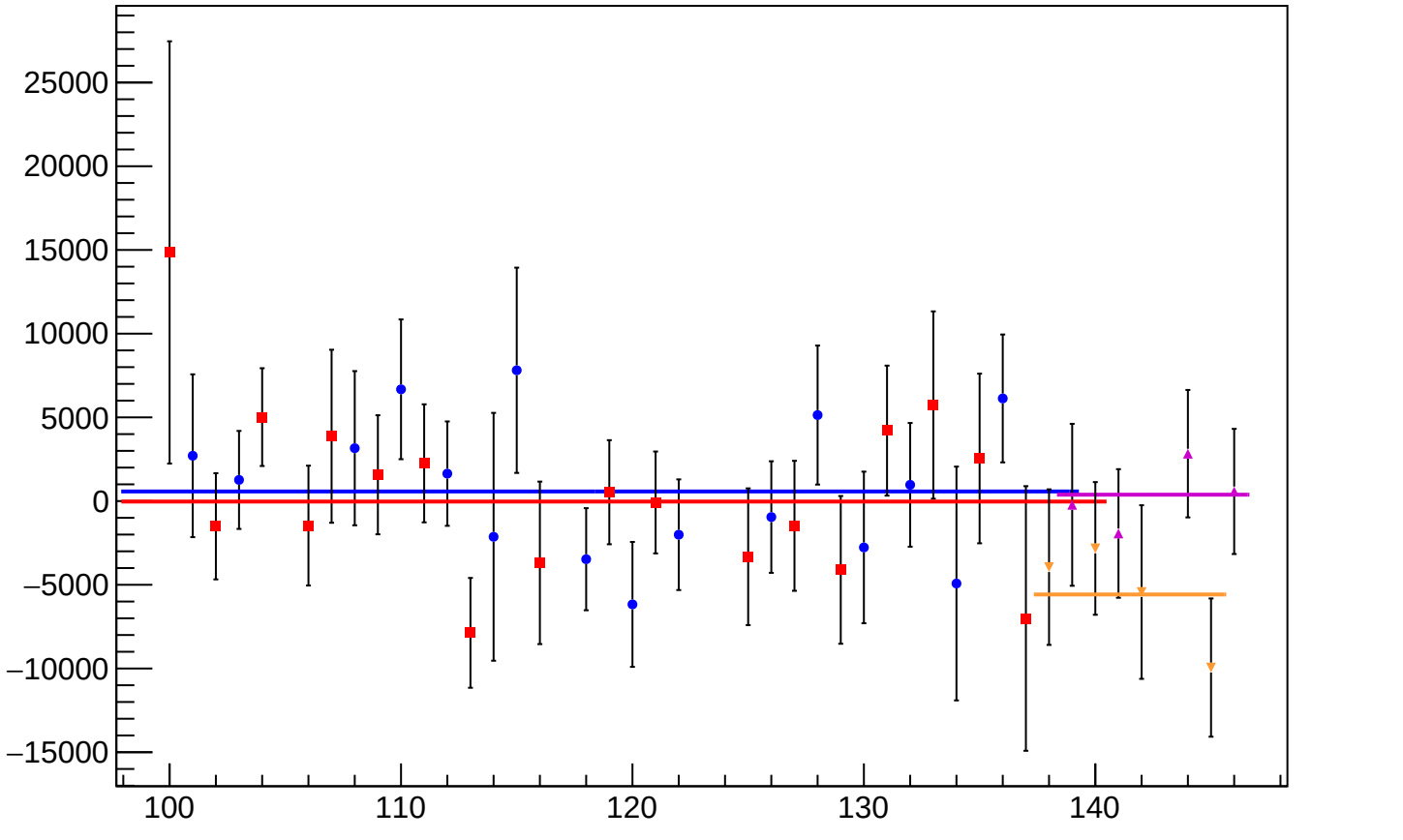
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

+ sign 931.311+/-0.213 χ^2/NDF: 993194.1/19

All: 930.532+/-0.148 χ^2/NDF: 1924052.5/41

- sign 929.810+/-0.205 χ^2/NDF: 930832.6/21



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -5578.012+/-2203.802 χ^2/NDF:1.7/3

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

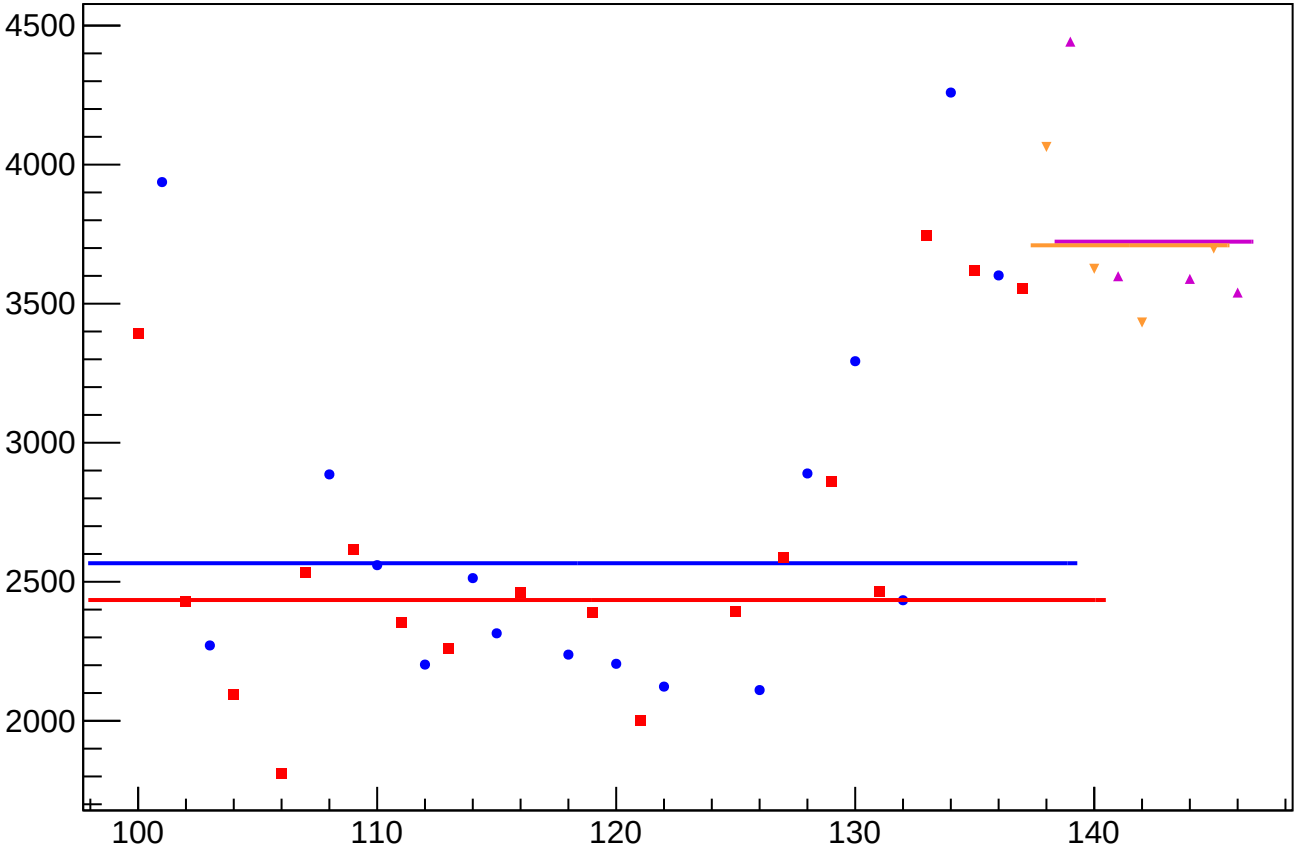
Left In: 381.957+/-1995.443 χ^2/NDF:0.8/3

+ sign -440.632+/-895.345 χ^2/NDF: 22.9/19

All: -182.221+/-611.459 χ^2/NDF: 41.1/41

- sign 43.642+/-837.061 χ^2/NDF: 18.0/21

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3709.887+/-1.558 χ^2/NDF:18251.0/3

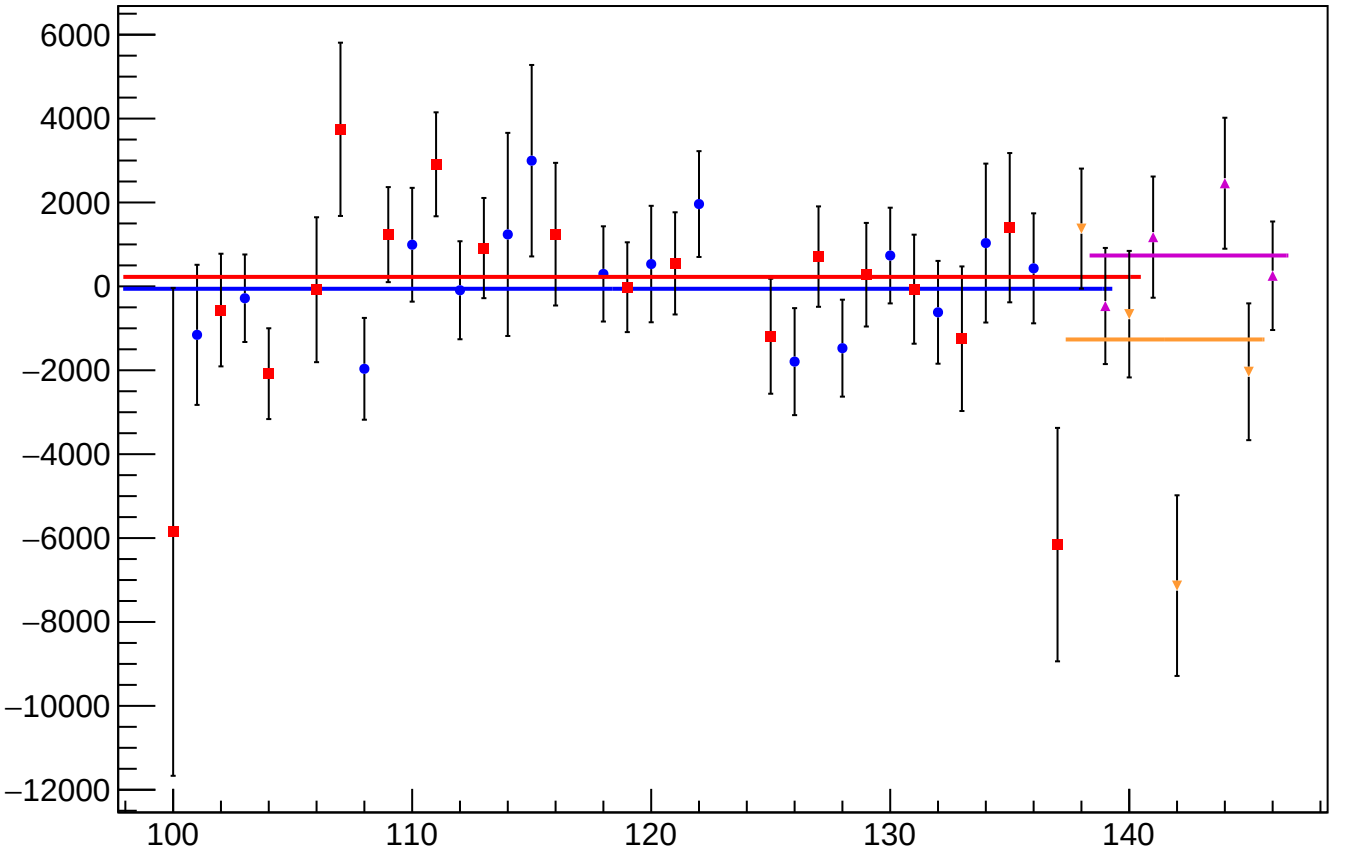
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3723.016+/-1.411 χ^2/NDF:53592.6/3

+ sign 2755.419+/-0.633 χ^2/NDF: 1133437.8/19

All: 2705.133+/-0.432 χ^2/NDF: 2320193.1/41

- sign 2661.181+/-0.592 χ^2/NDF: 1174932.5/21



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1265.627+/-811.203 χ^2/NDF:11.2/3

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

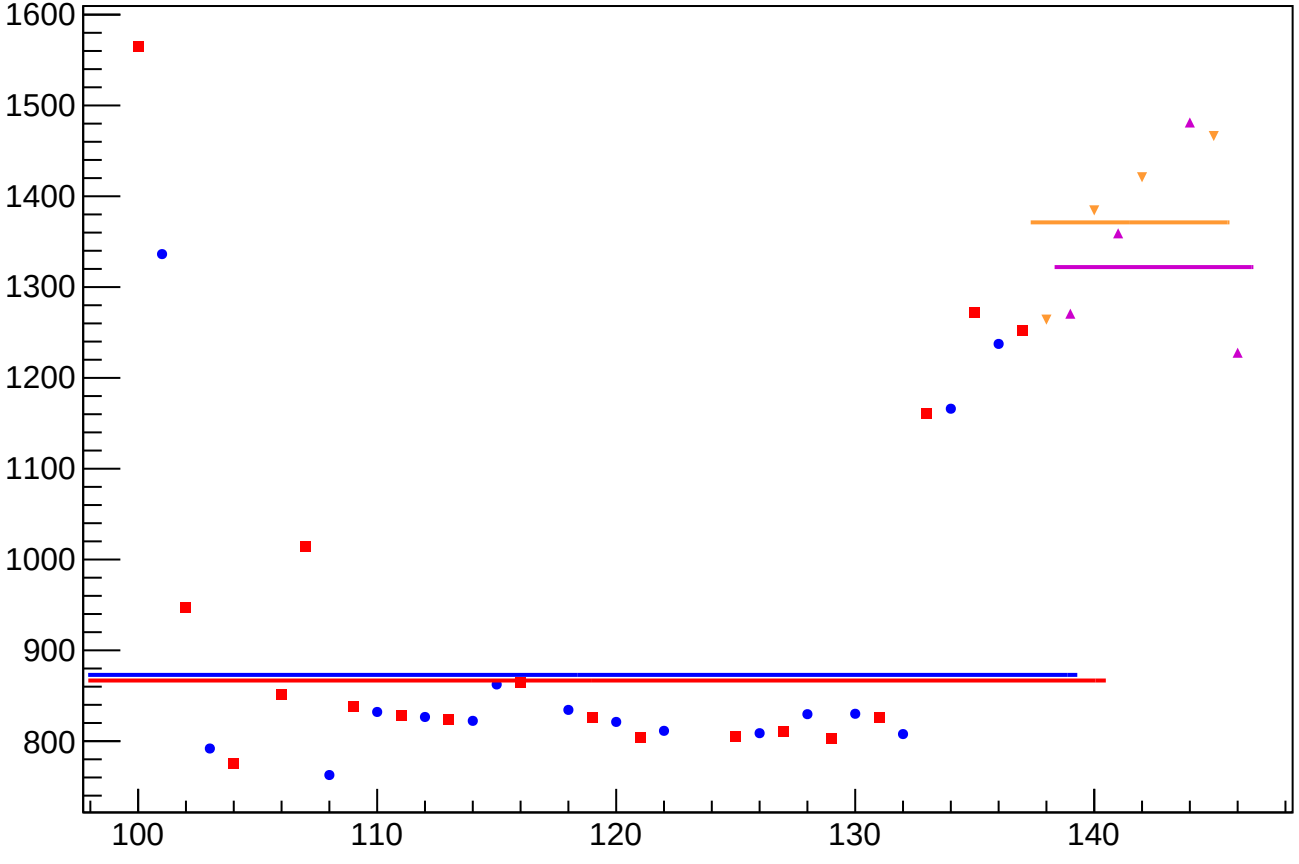
Left In: 735.889+/-705.577 χ^2/NDF:2.2/3

+ sign -228.871+/-305.745 χ^2/NDF: 26.1/19

All: 51.384+/-213.214 χ^2/NDF: 53.3/41

- sign 316.700+/-297.484 χ^2/NDF: 25.6/21

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1371.259+/-0.574 χ^2/NDF:19217.9/3

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

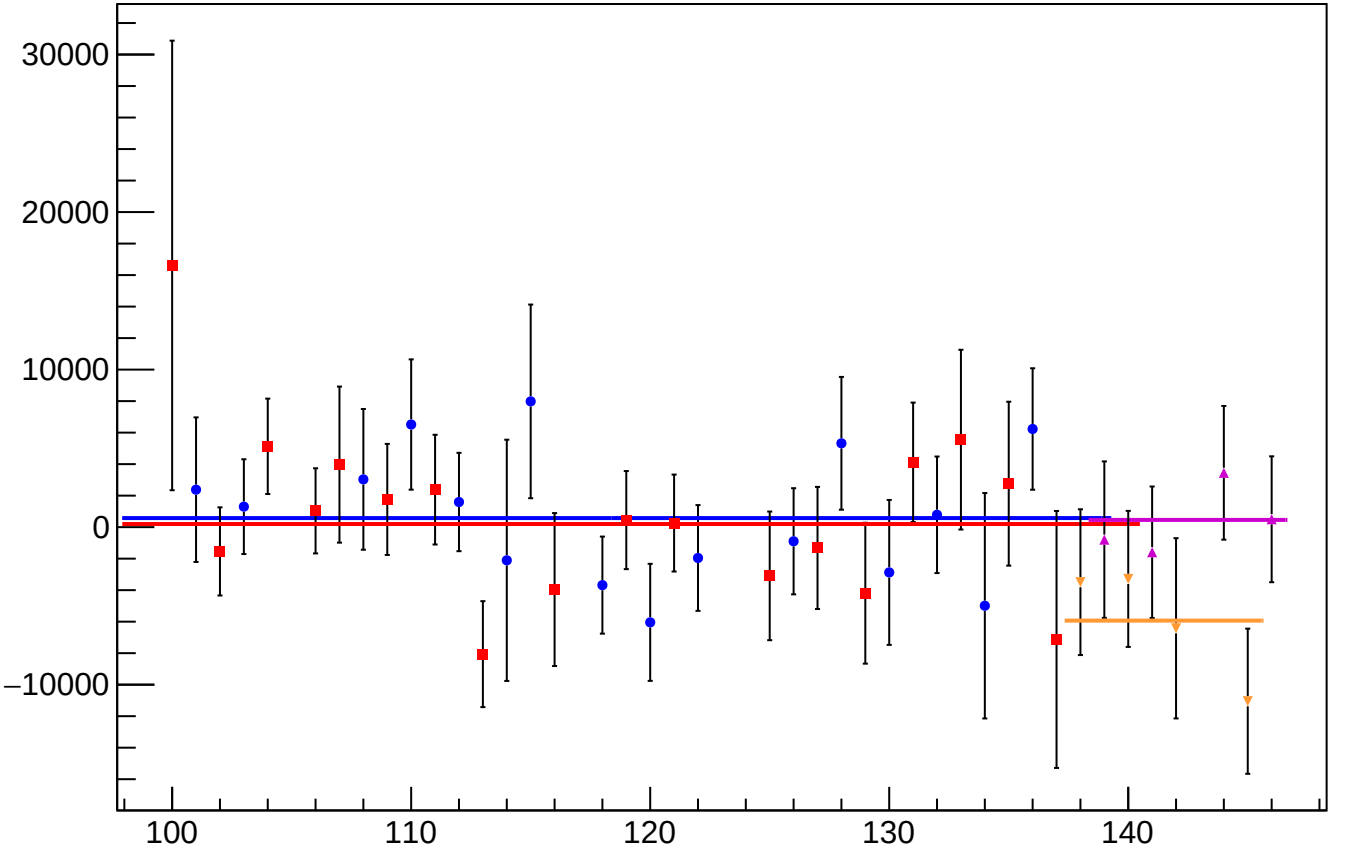
Left In: 1322.032+/-0.499 χ^2/NDF:35499.8/3

+ sign 943.756+/-0.216 χ^2/NDF: 1083744.2/19

All: 945.716+/-0.151 χ^2/NDF: 2094662.2/41

- sign 947.568+/-0.210 χ^2/NDF: 1010758.2/21

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -5933.689+/-2370.331 χ^2/NDF:1.9/3

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

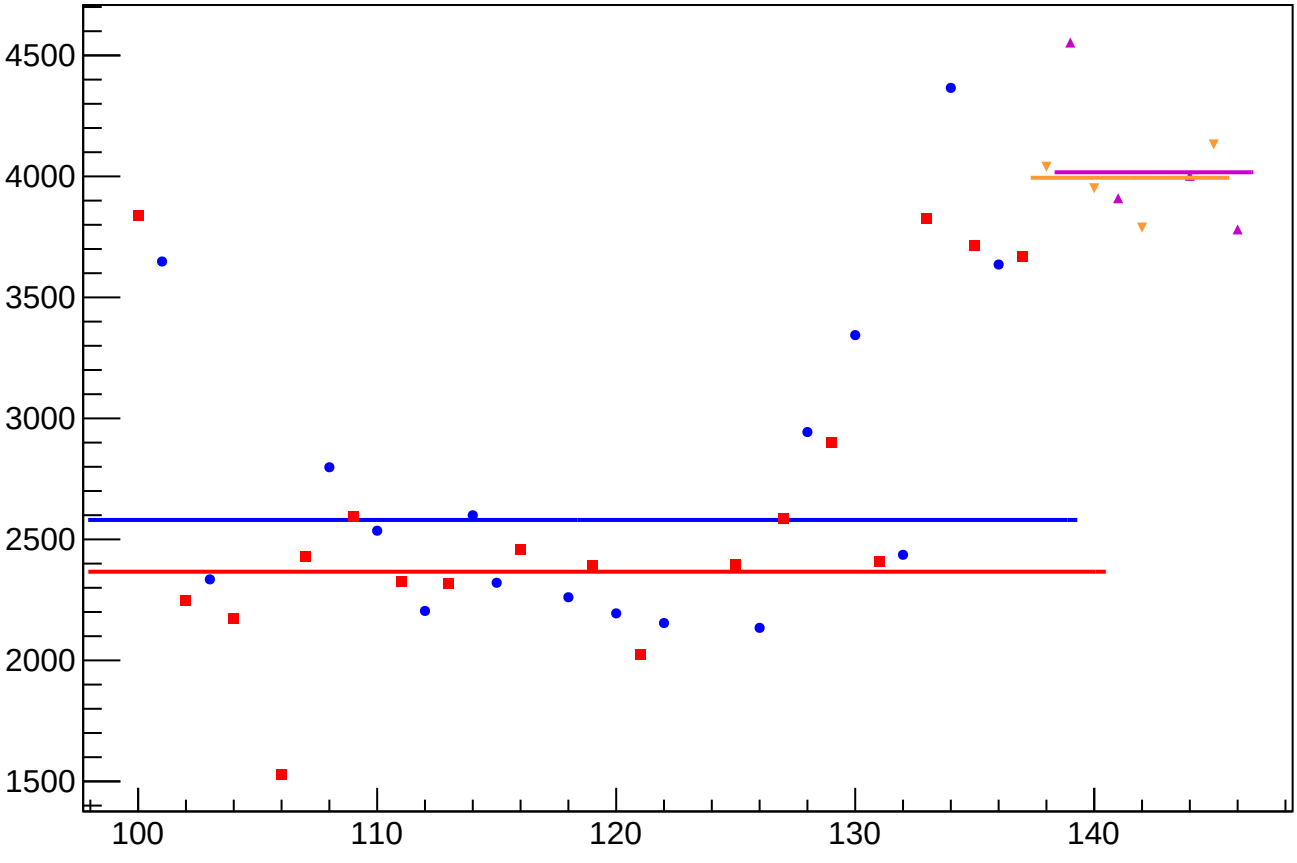
Left In: 458.954+/-2150.818 χ^2/NDF:0.8/3

\+ sign -383.027+/-909.502 χ^2/NDF: 23.0/19

All: -43.432+/-611.311 χ^2/NDF: 41.3/41

\- sign 236.412+/-825.622 χ^2/NDF: 18.0/21

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3994.427+/-1.676 χ^2/NDF:4779.7/3

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

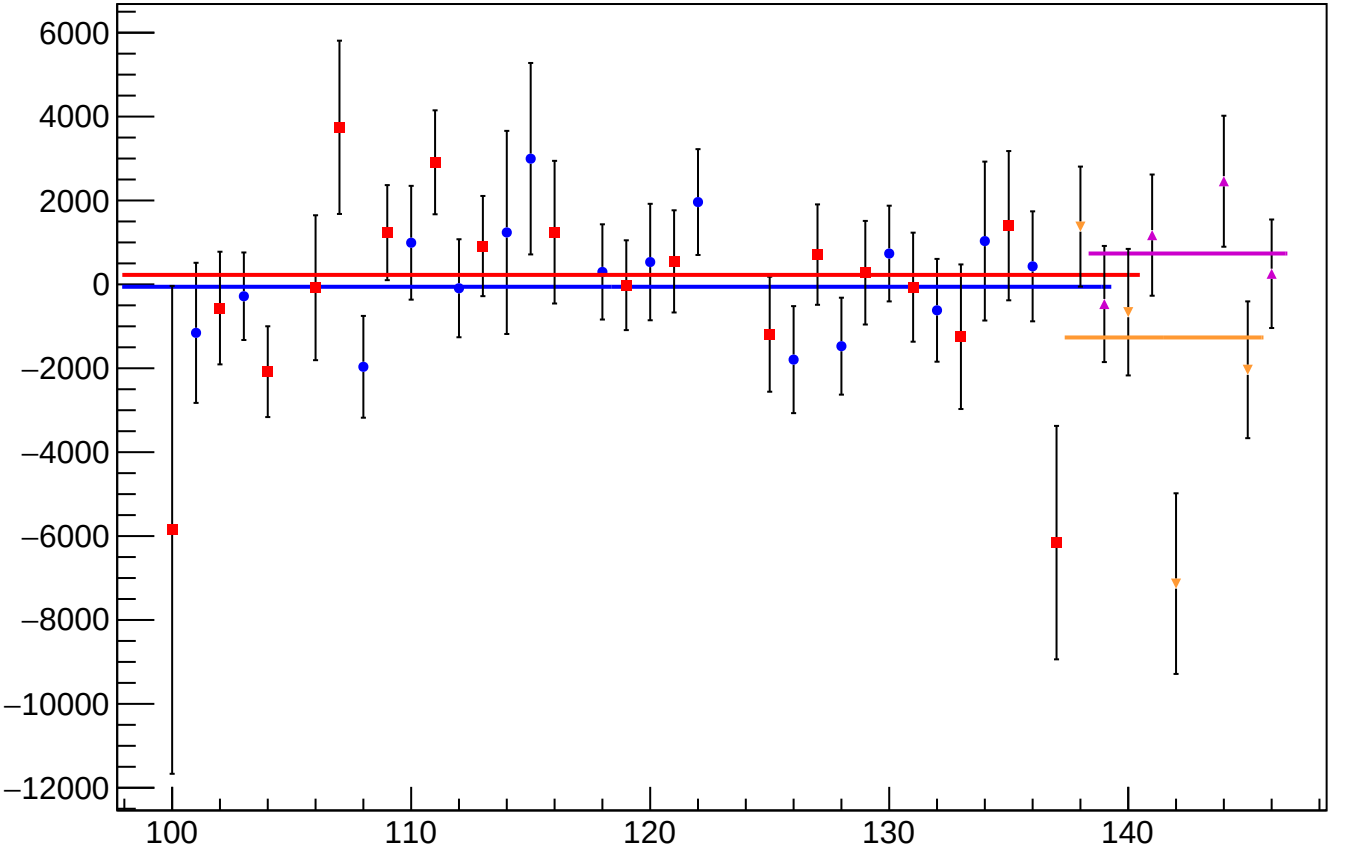
Left In: 4017.068+/-1.521 χ^2/NDF:31634.7/3

+ sign 2788.564+/-0.643 χ^2/NDF: 1228916.5/19

All: 2690.472+/-0.432 χ^2/NDF: 2919078.9/41

- sign 2609.639+/-0.584 χ^2/NDF: 1647727.2/21

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1265.643+/-811.204 χ^2/NDF:11.2/3

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

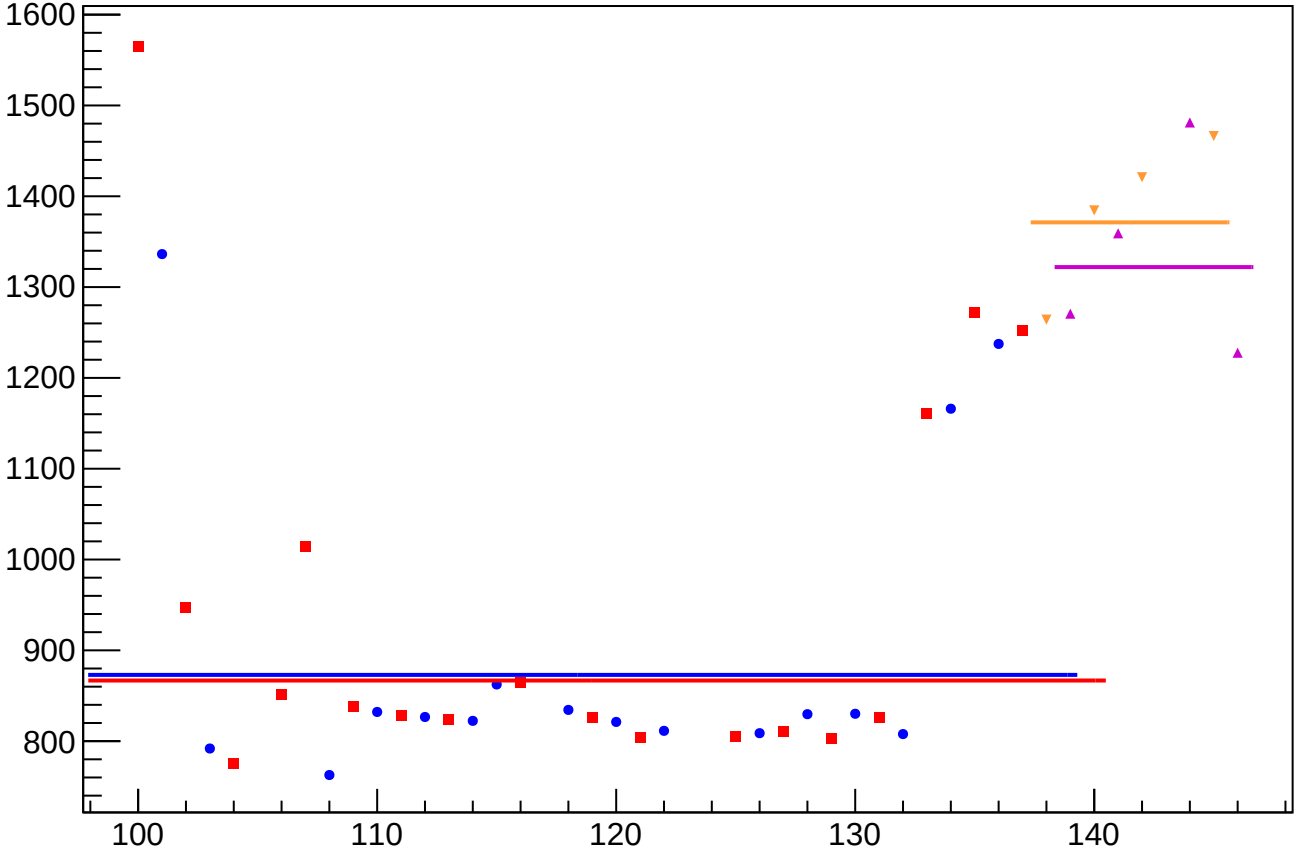
Left In: 735.891+/-705.578 χ^2/NDF:2.2/3

+ sign -228.875+/-305.745 χ^2/NDF: 26.1/19

All: 51.384+/-213.214 χ^2/NDF: 53.3/41

- sign 316.703+/-297.484 χ^2/NDF: 25.6/21

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1371.261+/-0.574 χ^2/NDF:19218.6/3

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

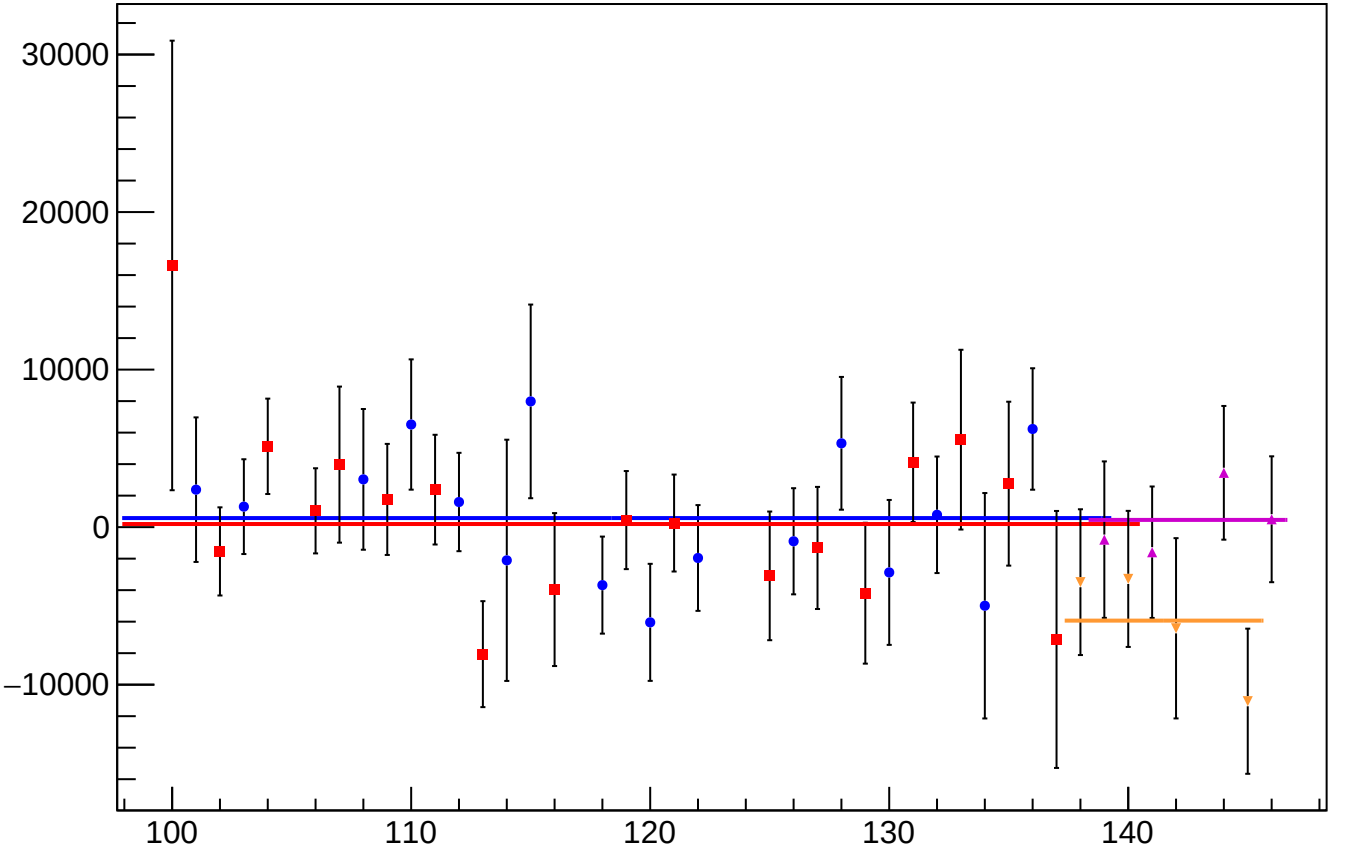
Left In: 1322.033+/-0.499 χ^2/NDF:35500.1/3

+ sign 943.756+/-0.216 χ^2/NDF: 1083747.1/19

All: 945.716+/-0.151 χ^2/NDF: 2094668.5/41

- sign 947.568+/-0.210 χ^2/NDF: 1010761.5/21

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -5933.713+/-2370.338 χ^2/NDF:1.9/3

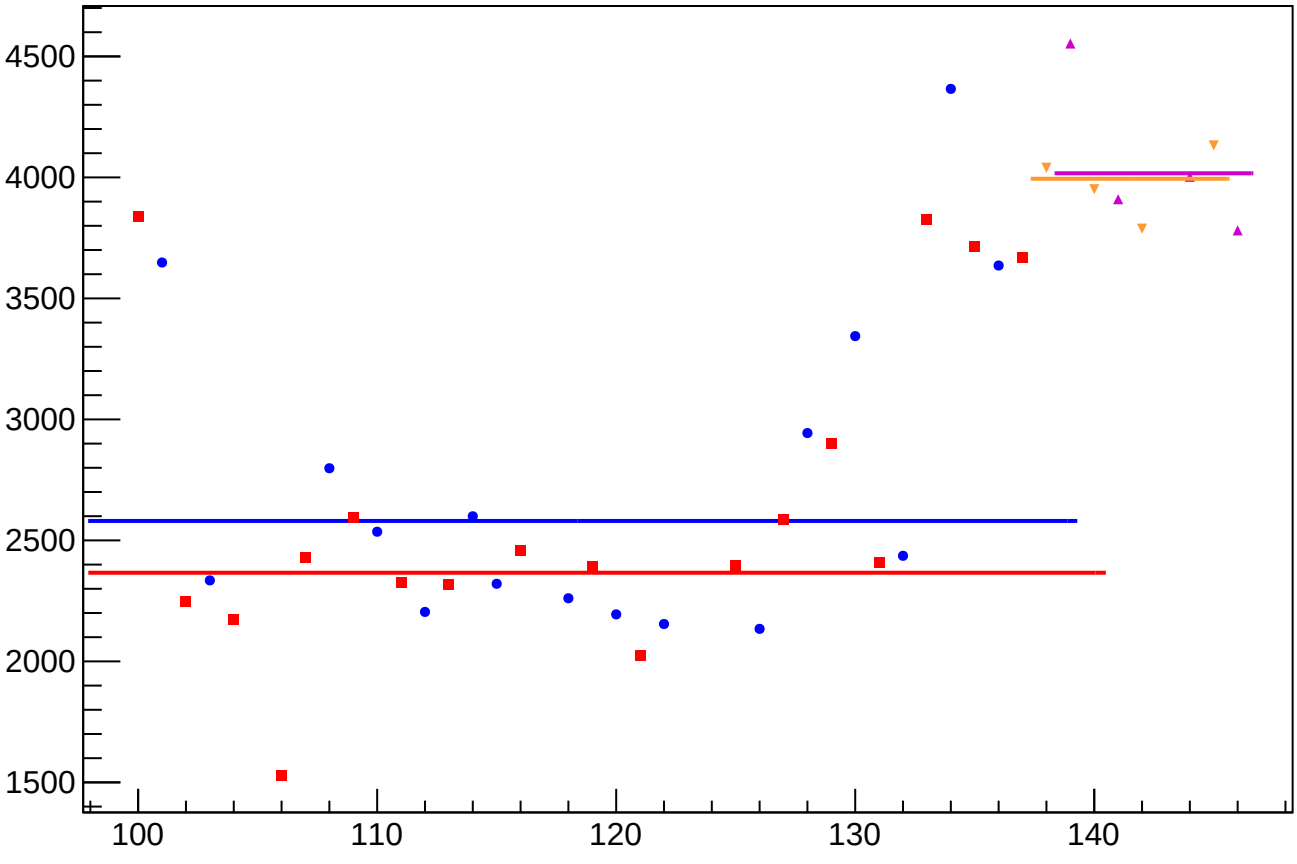
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 458.955+/-2150.823 χ^2/NDF:0.8/3

\+ sign -383.025+/-909.500 χ^2/NDF: 23.0/19

All: -43.431+/-611.310 χ^2/NDF: 41.3/41

\- sign 236.413+/-825.621 χ^2/NDF: 18.0/21



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3994.439+/-1.676 χ^2/NDF:4779.7/3

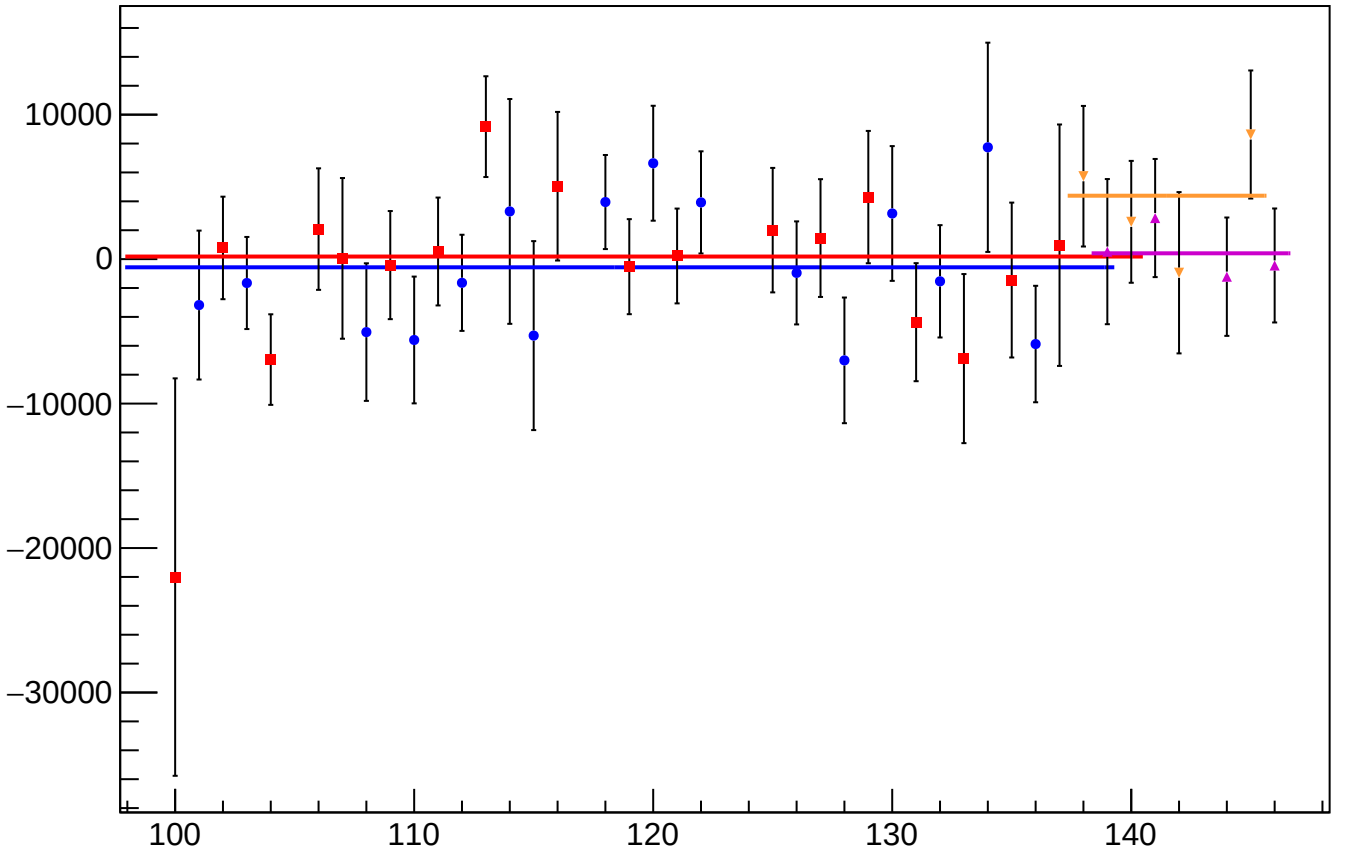
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4017.076+/-1.521 χ^2/NDF:31635.7/3

+ sign 2788.556+/-0.643 χ^2/NDF: 1228938.5/19

All: 2690.465+/-0.432 χ^2/NDF: 2919120.7/41

- sign 2609.633+/-0.584 χ^2/NDF: 1647747.3/21



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 4389.675+/-2347.670 χ^2/NDF:2.1/3

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

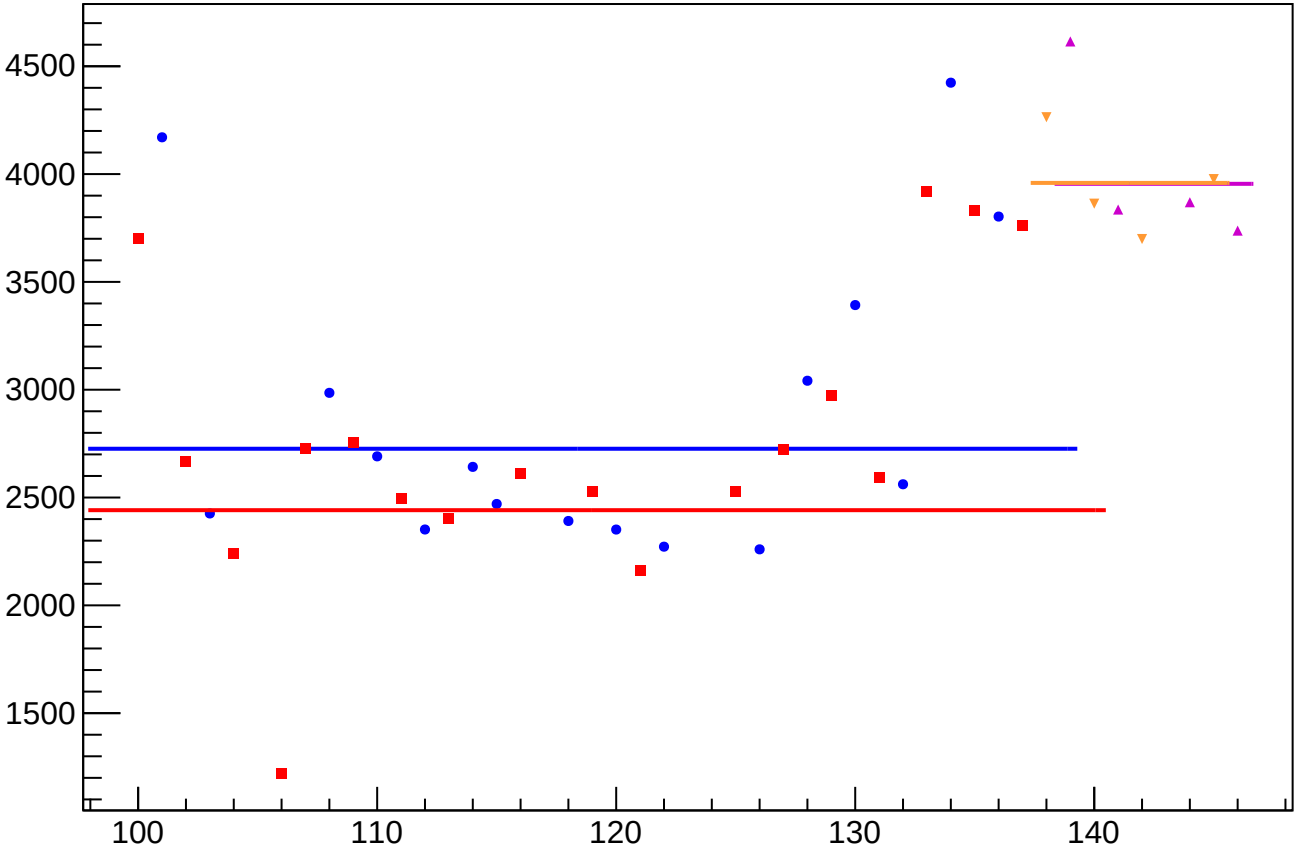
Left In: 402.545+/-2116.431 χ^2/NDF:0.6/3

+ sign 247.303+/-951.115 χ^2/NDF: 22.0/19

All: 232.134+/-652.007 χ^2/NDF: 42.1/41

- sign 218.686+/-895.547 χ^2/NDF: 20.1/21

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3959.081+/-1.660 χ^2/NDF:13258.8/3

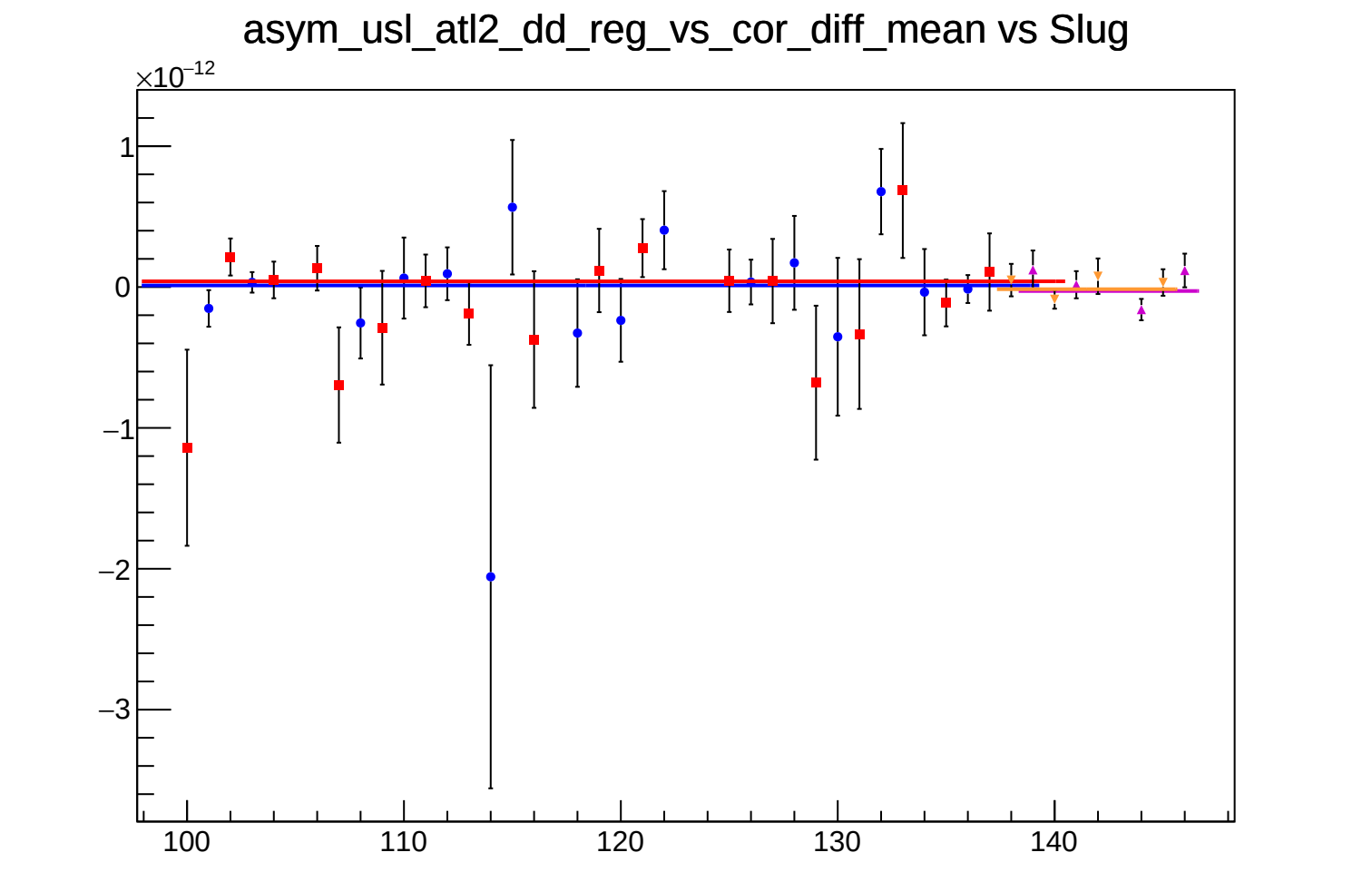
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3954.810+/-1.497 χ^2/NDF:43166.1/3

+ sign 2928.581+/-0.673 χ^2/NDF: 1097352.7/19

All: 2798.701+/-0.451 χ^2/NDF: 2952799.9/41

- sign 2692.139+/-0.609 χ^2/NDF: 1787553.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.2/3

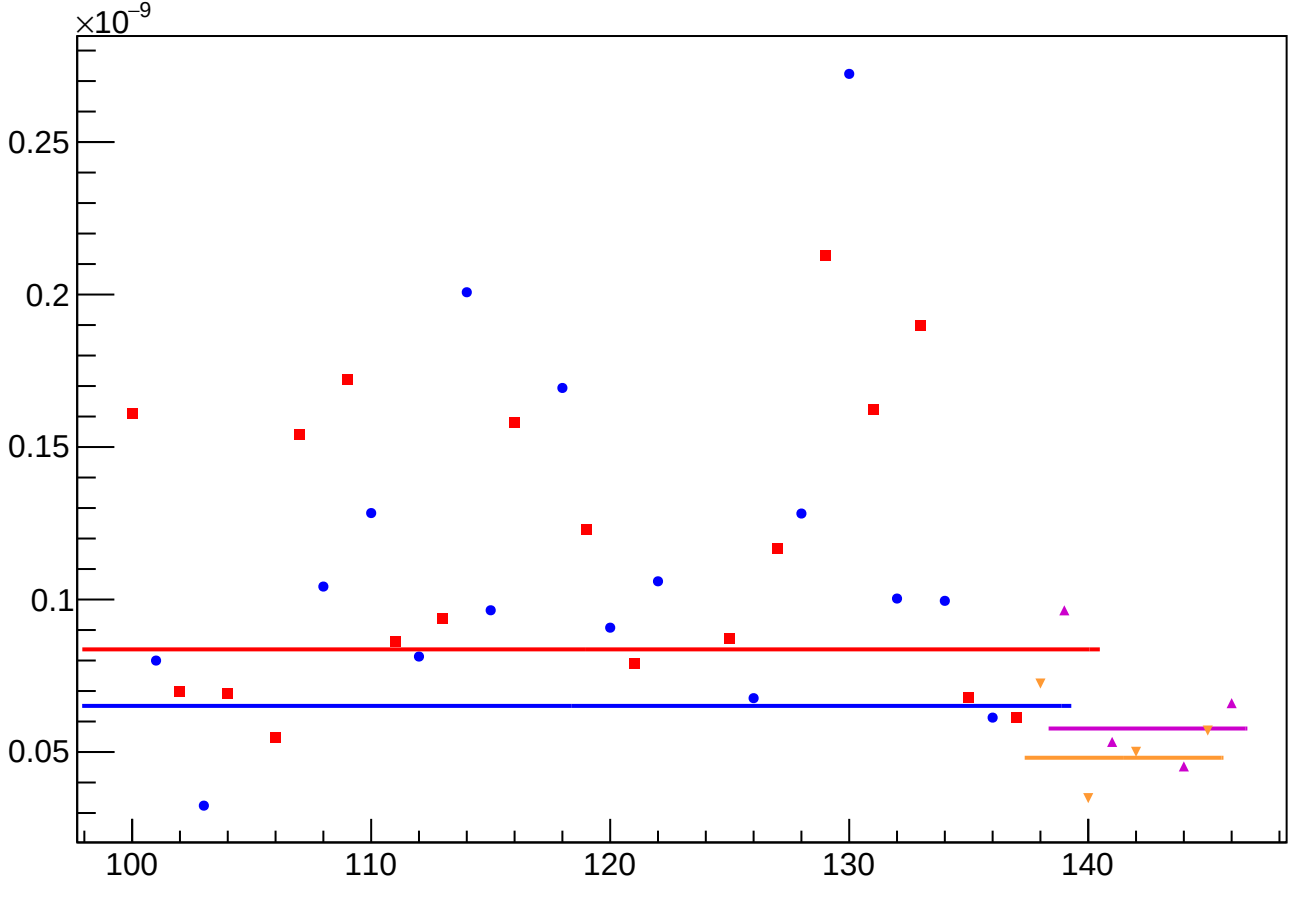
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 17.8/19

All: 0.000+/-0.000 χ^2/NDF: 41.6/41

- sign 0.000+/-0.000 χ^2/NDF: 23.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:185950.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

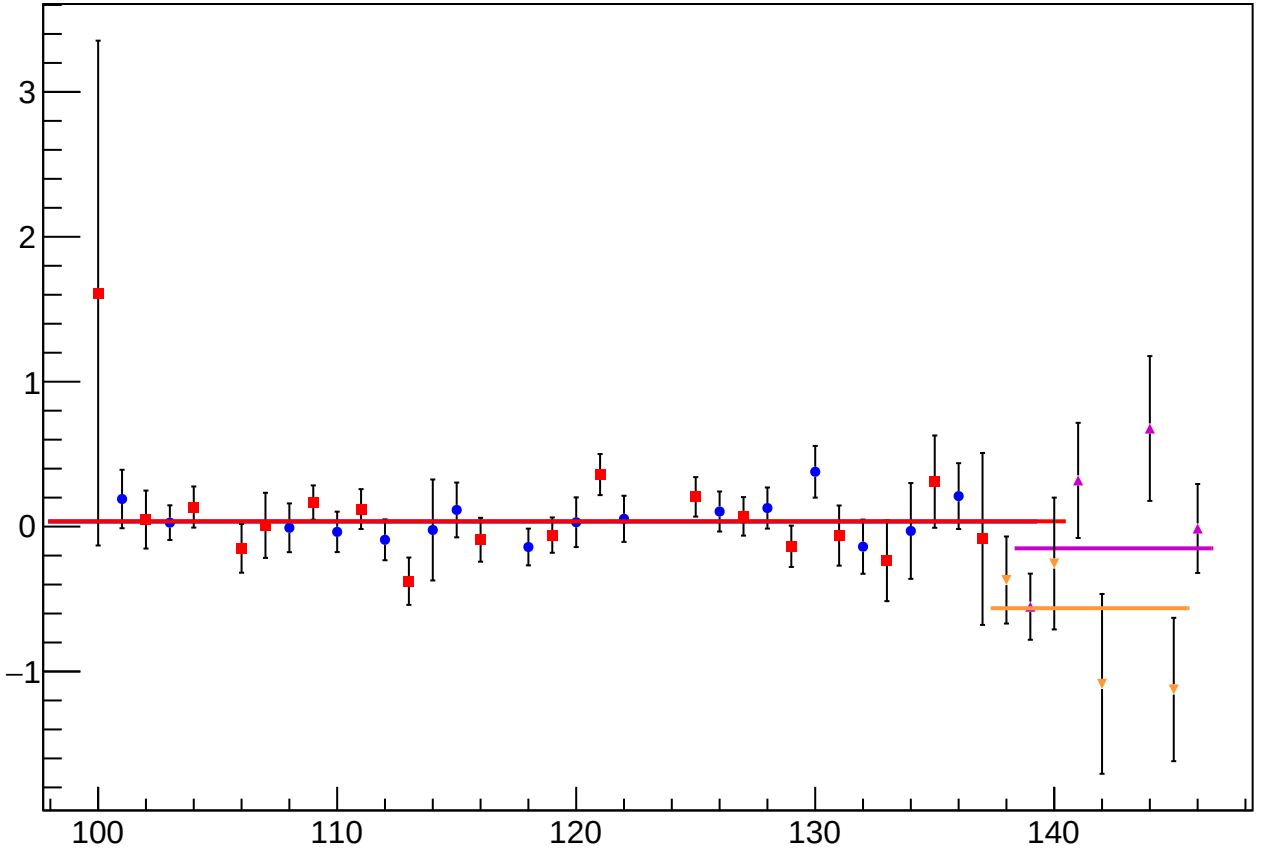
Left In: 0.000+/-0.000 χ^2/NDF:226635.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 1551343.5/19

All: 0.000+/-0.000 χ^2/NDF: 2863203.5/41

- sign 0.000+/-0.000 χ^2/NDF: 1171468.5/21

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: -0.563+/-0.210 χ^2/NDF:2.9/3

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

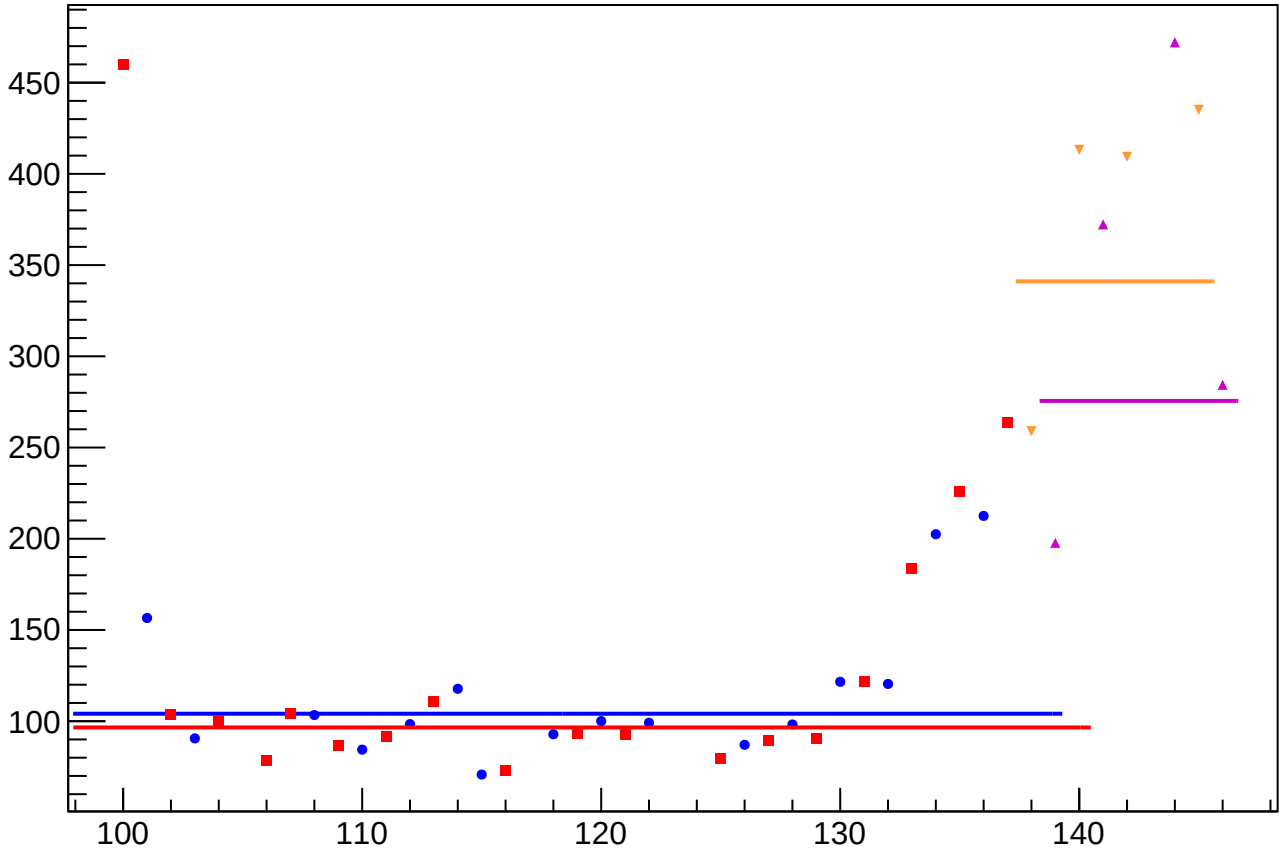
Left In: -0.150+/-0.158 χ^2/NDF:7.5/3

+ sign 0.013+/-0.040 χ^2/NDF: 20.4/19

All: 0.020+/-0.028 χ^2/NDF: 51.3/41

- sign 0.026+/-0.038 χ^2/NDF: 30.8/21

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 341.072+/-0.149 χ^2/NDF:296311.7/3

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

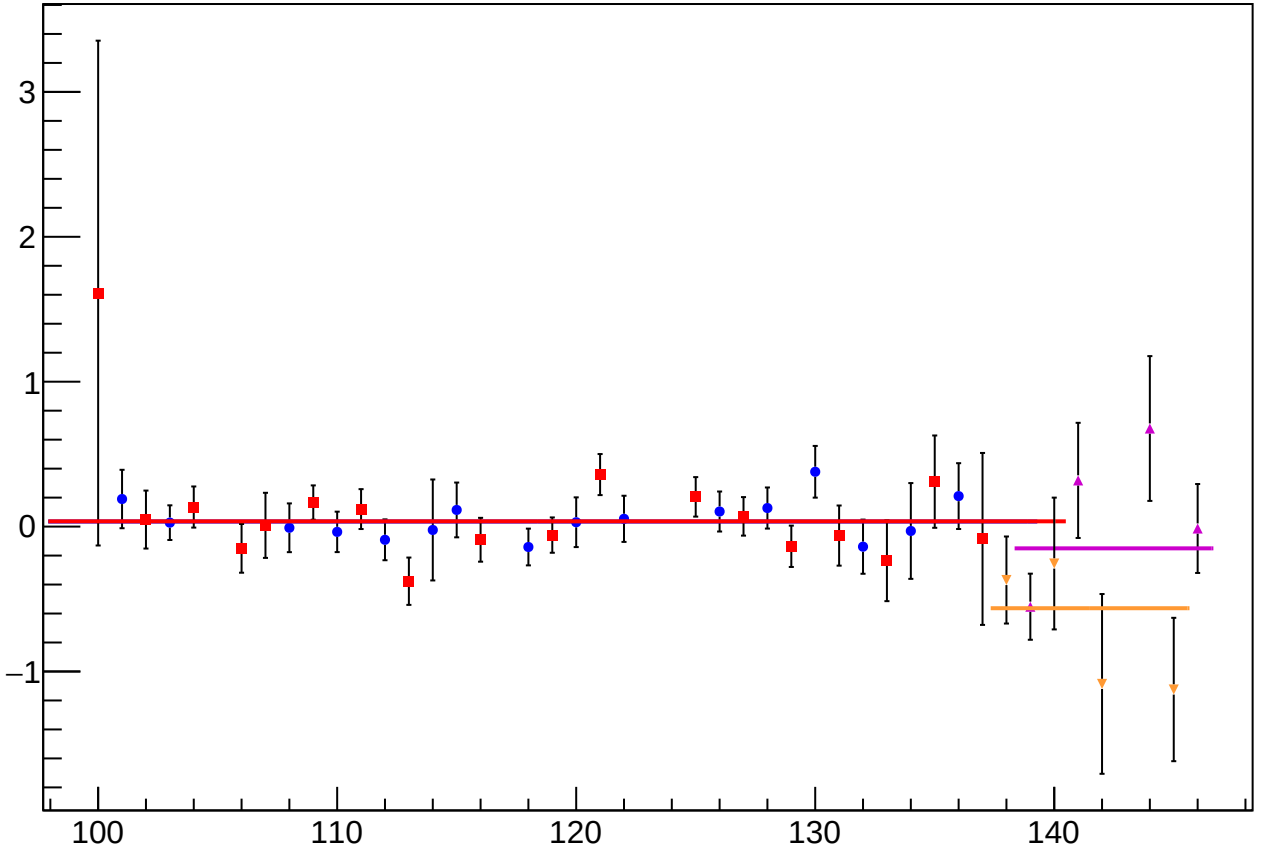
Left In: 275.542+/-0.112 χ^2/NDF:662279.9/3

+ sign 112.787+/-0.028 χ^2/NDF: 3731929.5/19

All: 109.615+/-0.019 χ^2/NDF: 7799278.8/41

- sign 106.826+/-0.027 χ^2/NDF: 4044035.4/21

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: -0.563+/-0.210 χ^2/NDF:2.9/3

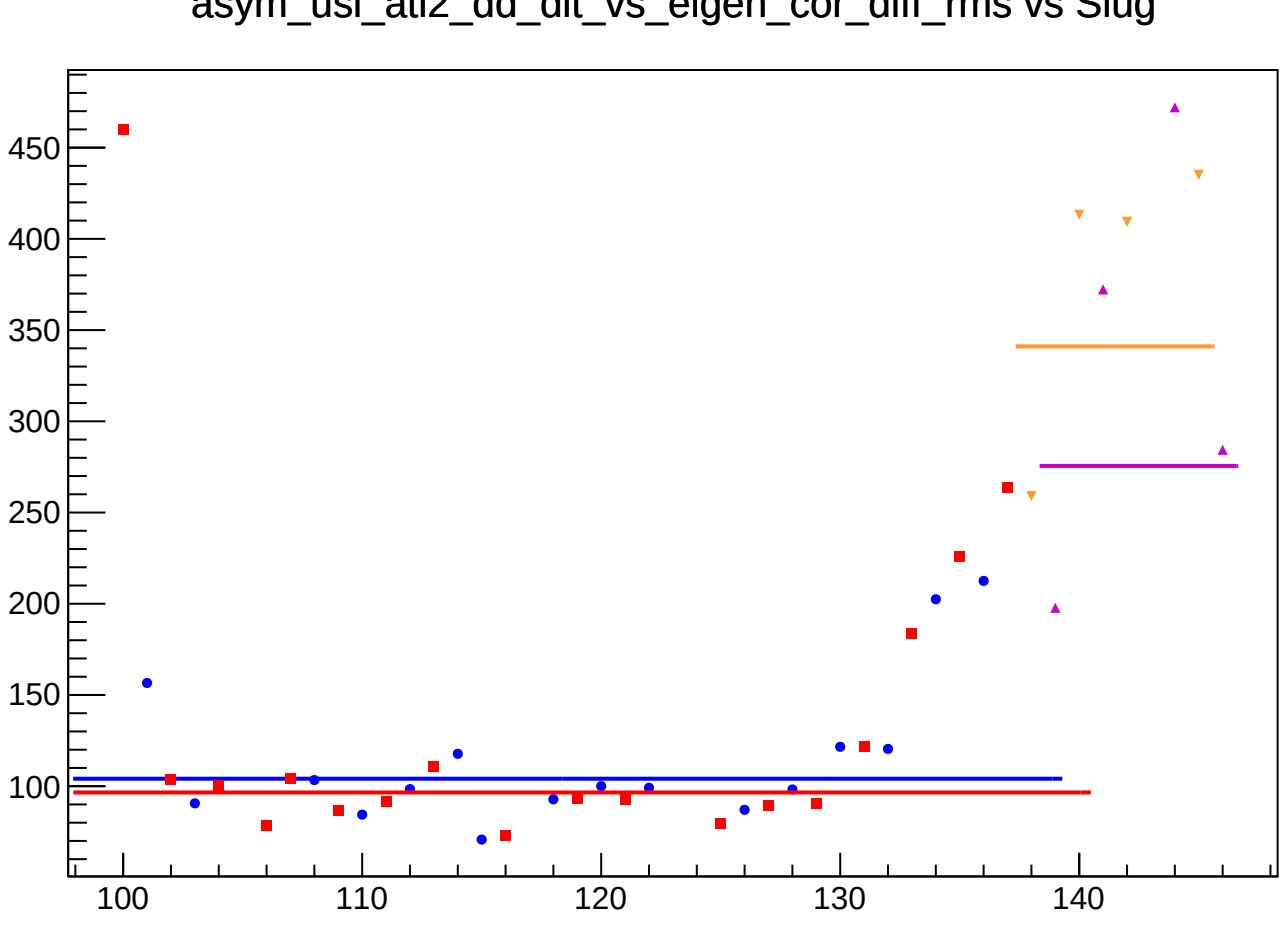
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.150+/-0.158 χ^2/NDF:7.5/3

+ sign 0.013+/-0.040 χ^2/NDF: 20.4/19

All: 0.020+/-0.028 χ^2/NDF: 51.3/41

- sign 0.026+/-0.038 χ^2/NDF: 30.8/21



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 341.072+/-0.149 χ^2/NDF:296311.7/3

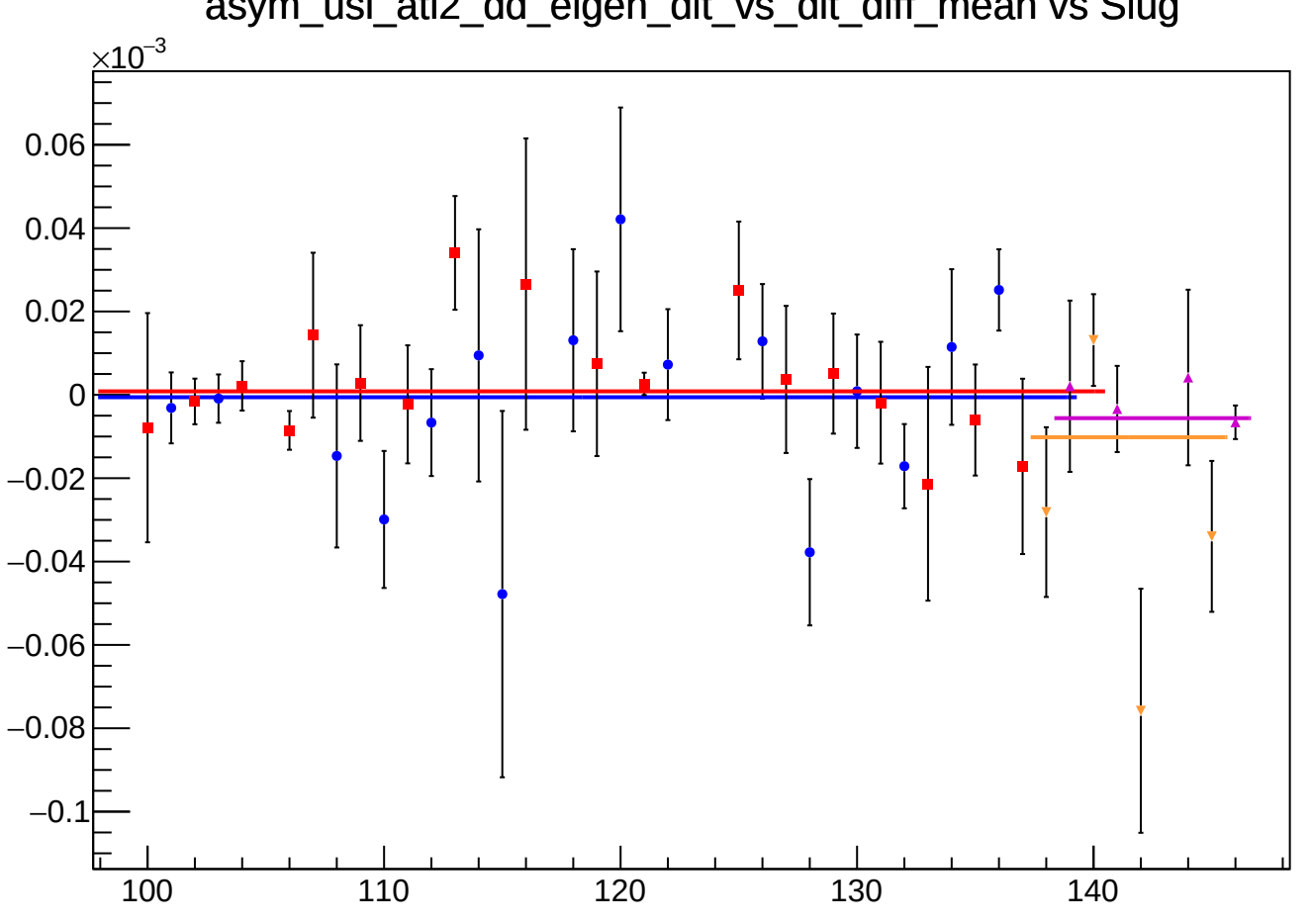
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 275.542+/-0.112 χ^2/NDF:662279.9/3

+ sign 112.787+/-0.028 χ^2/NDF: 3731929.5/19

All: 109.615+/-0.019 χ^2/NDF: 7799278.8/41

- sign 106.826+/-0.027 χ^2/NDF: 4044035.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/3

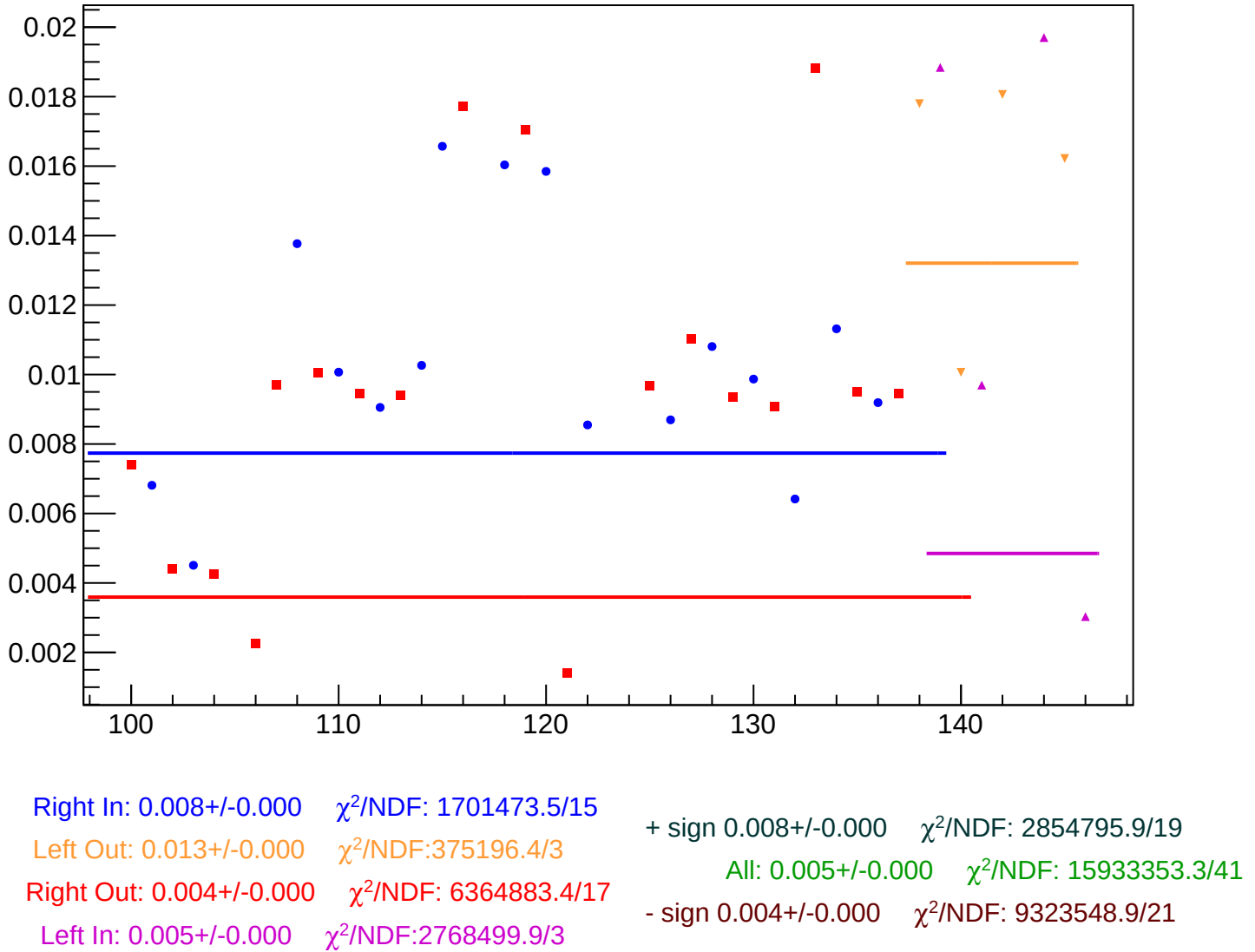
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

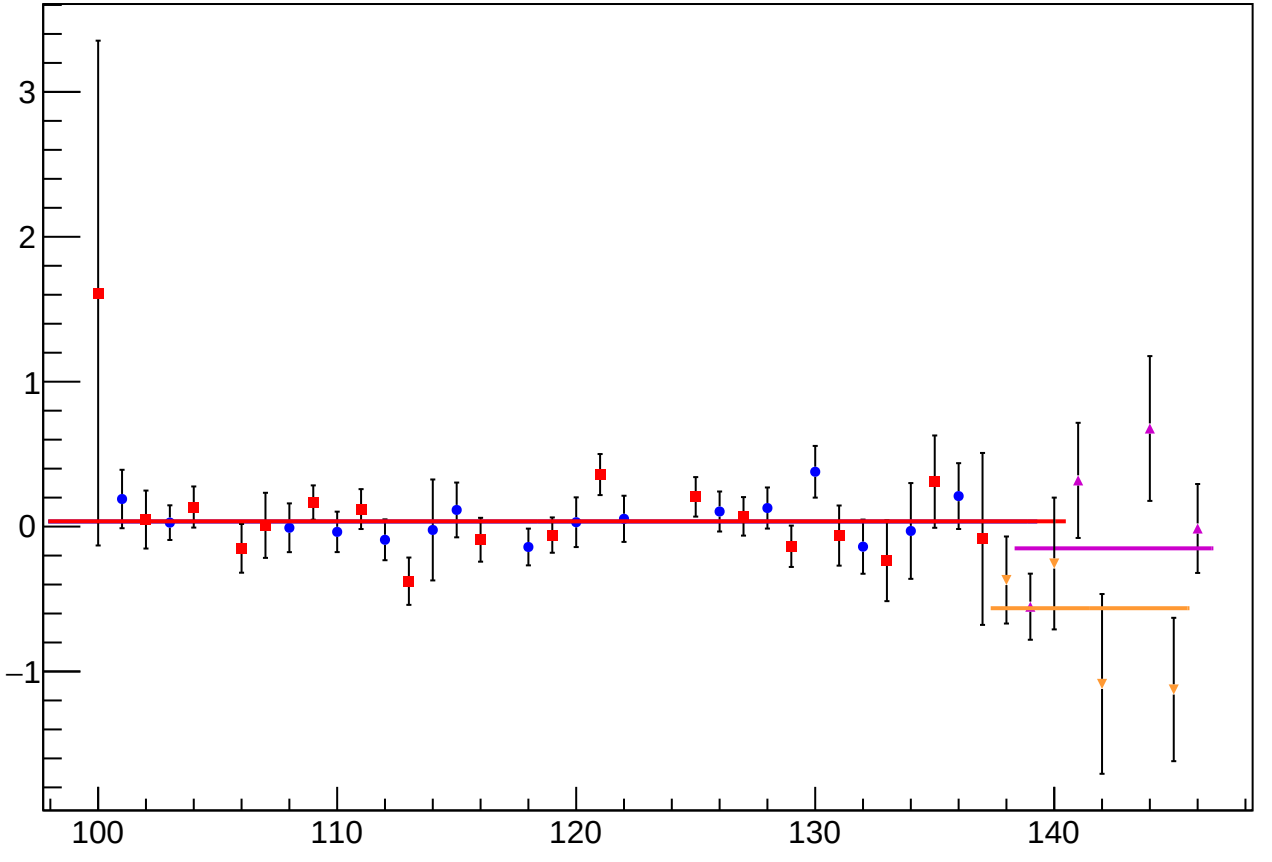
+ sign -0.000+/-0.000 χ^2/NDF: 37.2/19

All: -0.000+/-0.000 χ^2/NDF: 56.2/41

- sign -0.000+/-0.000 χ^2/NDF: 18.8/21


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.013+/-0.000 χ²/NDF:375196.4/3
Right Out: 0.004+/-0.000 χ²/NDF: 6364883.4/17
Left In: 0.005+/-0.000 χ²/NDF:2768499.9/3
+ sign 0.008+/-0.000 χ²/NDF: 2854795.9/19
All: 0.005+/-0.000 χ²/NDF: 15933353.3/41
- sign 0.004+/-0.000 χ²/NDF: 9323548.9/21

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: -0.563+/-0.210 χ^2/NDF:2.9/3

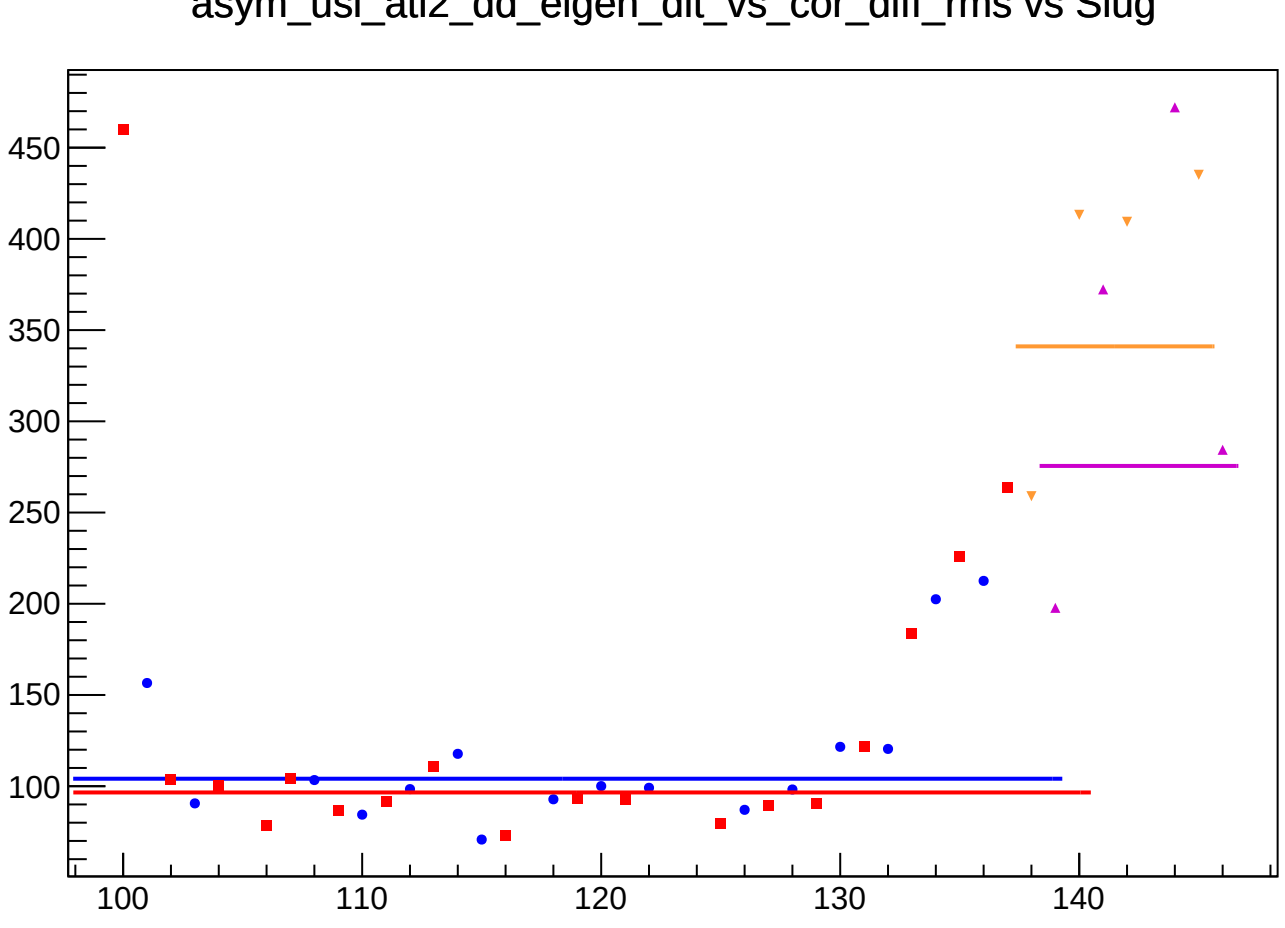
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.150+/-0.158 χ^2/NDF:7.5/3

+ sign 0.013+/-0.040 χ^2/NDF: 20.4/19

All: 0.020+/-0.028 χ^2/NDF: 51.3/41

- sign 0.026+/-0.038 χ^2/NDF: 30.8/21



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 341.076+/-0.149 χ^2/NDF:296328.6/3

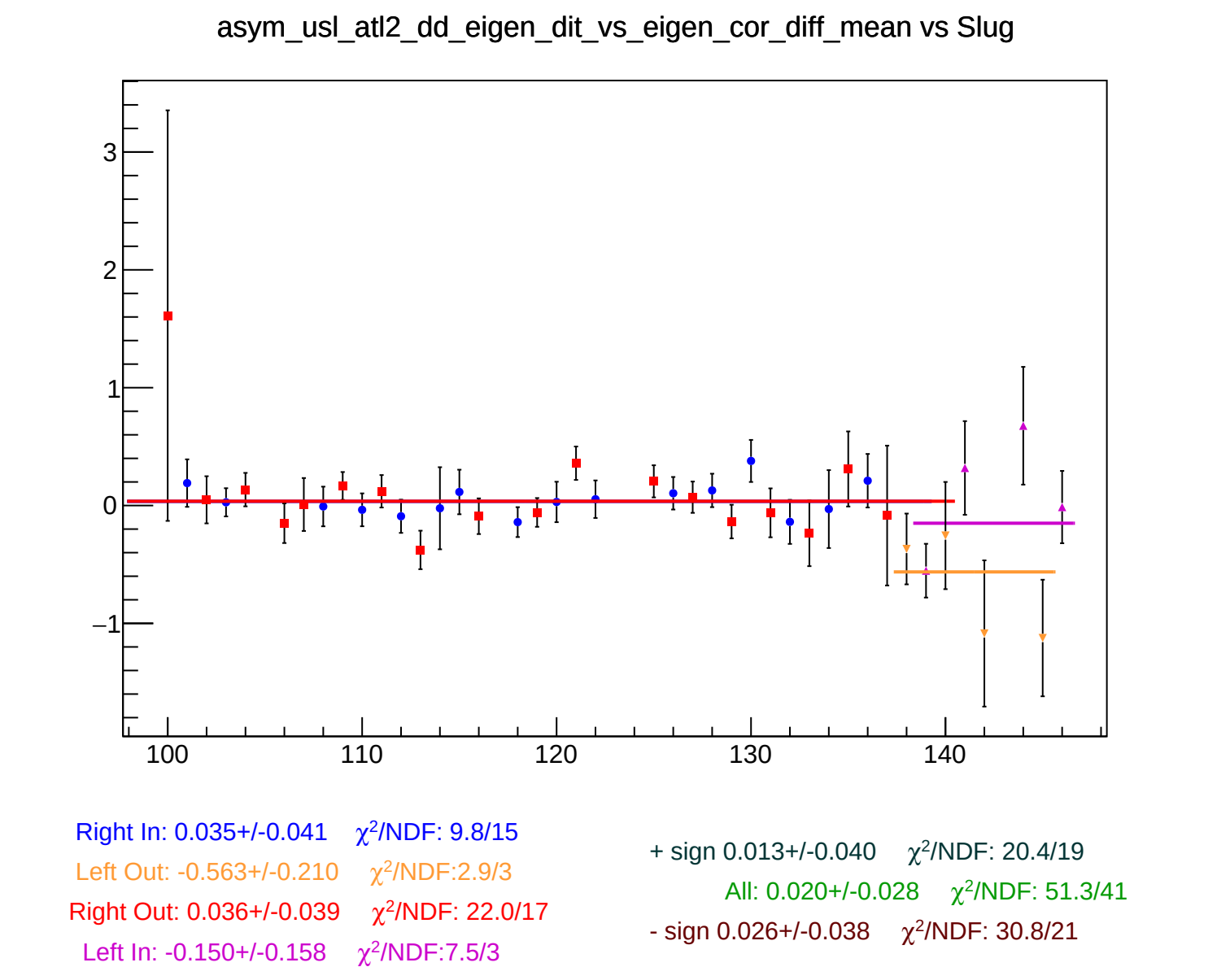
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

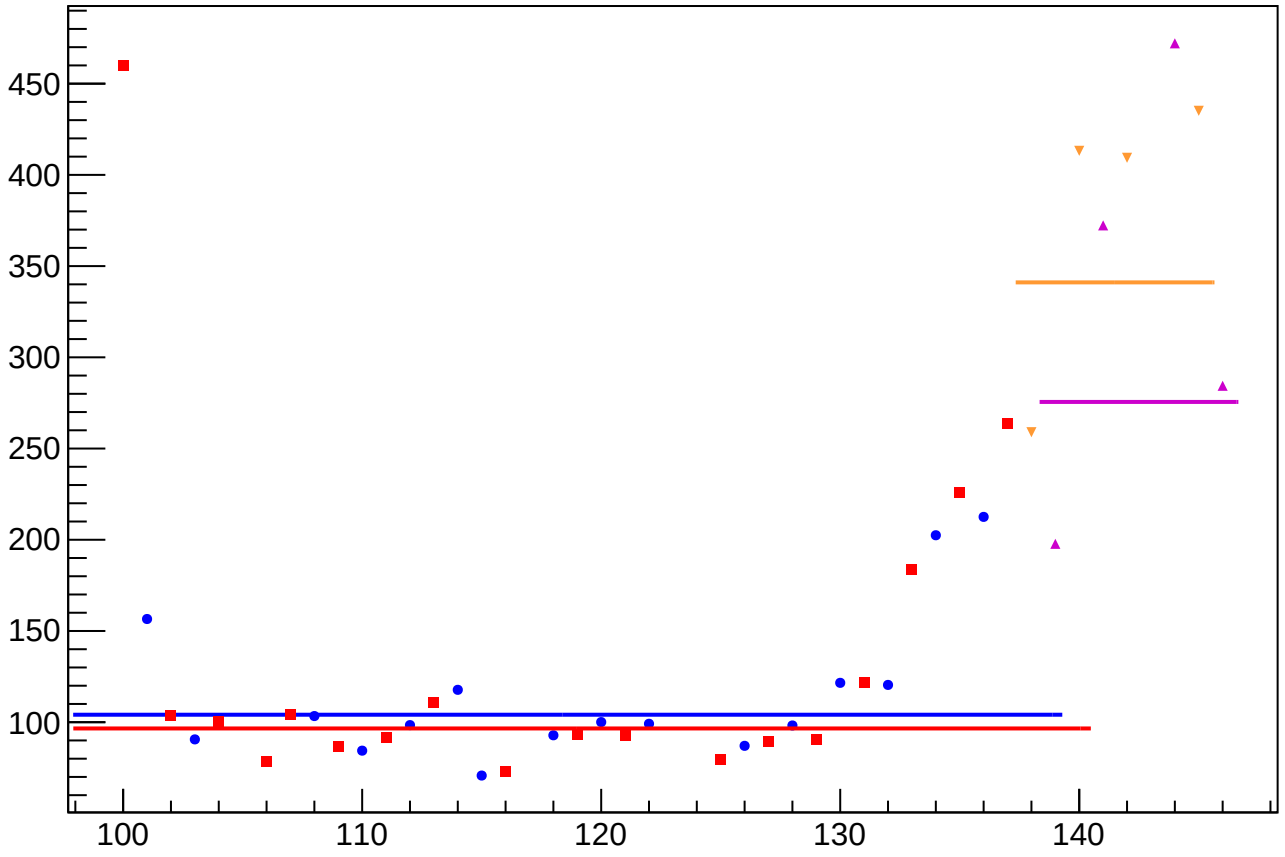
Left In: 275.548+/-0.112 χ^2/NDF:662257.4/3

+ sign 112.788+/-0.028 χ^2/NDF: 3731904.3/19

All: 109.616+/-0.019 χ^2/NDF: 7799182.4/41

- sign 106.827+/-0.027 χ^2/NDF: 4043968.5/21


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.563+/-0.210 χ²/NDF:2.9/3
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.150+/-0.158 χ²/NDF:7.5/3
+ sign 0.013+/-0.040 χ²/NDF: 20.4/19
All: 0.020+/-0.028 χ²/NDF: 51.3/41
- sign 0.026+/-0.038 χ²/NDF: 30.8/21



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 341.076+/-0.149 χ^2/NDF:296328.6/3

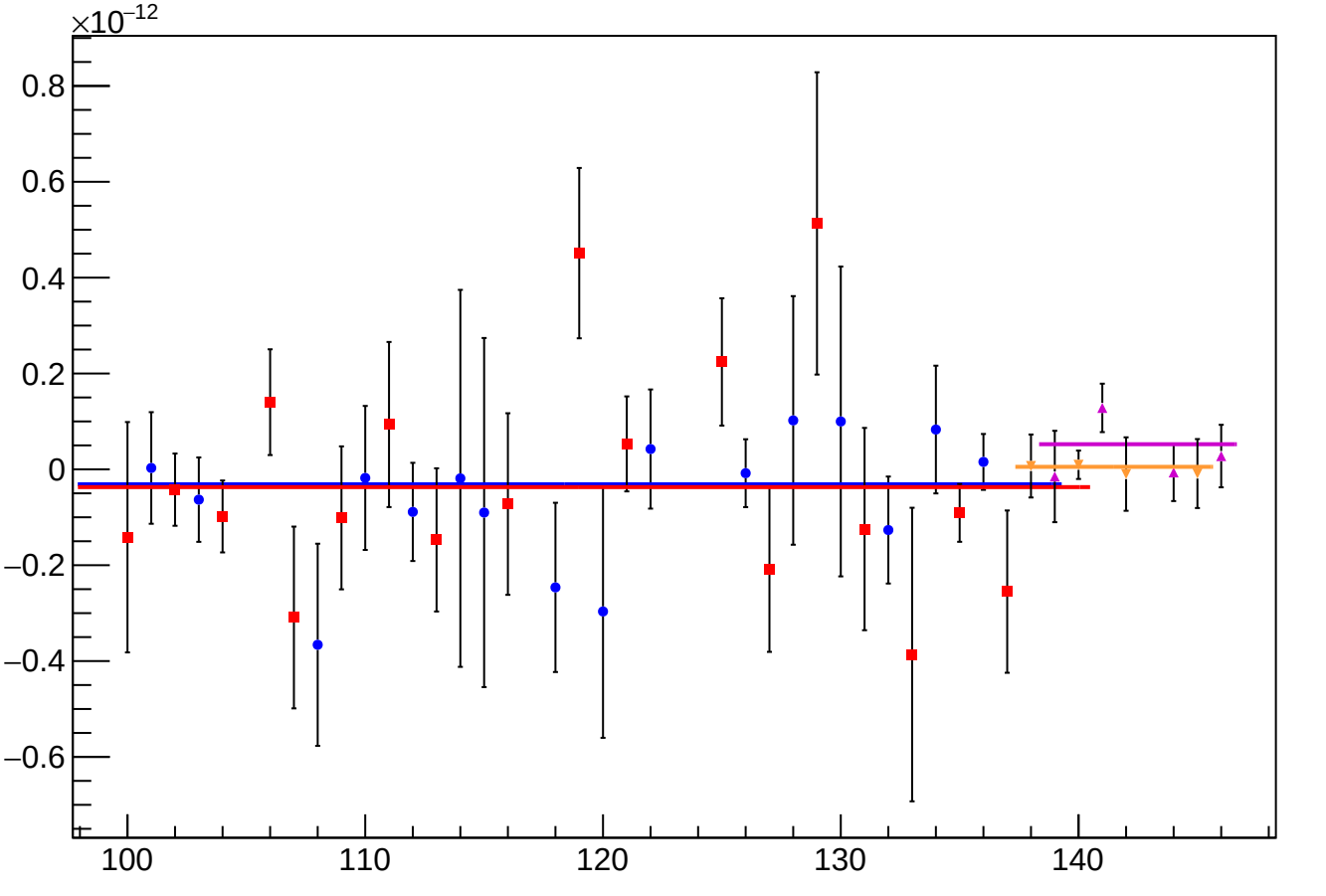
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 275.548+/-0.112 χ^2/NDF:662257.4/3

+ sign 112.788+/-0.028 χ^2/NDF: 3731904.3/19

All: 109.616+/-0.019 χ^2/NDF: 7799182.4/41

- sign 106.827+/-0.027 χ^2/NDF: 4043968.5/21



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/3

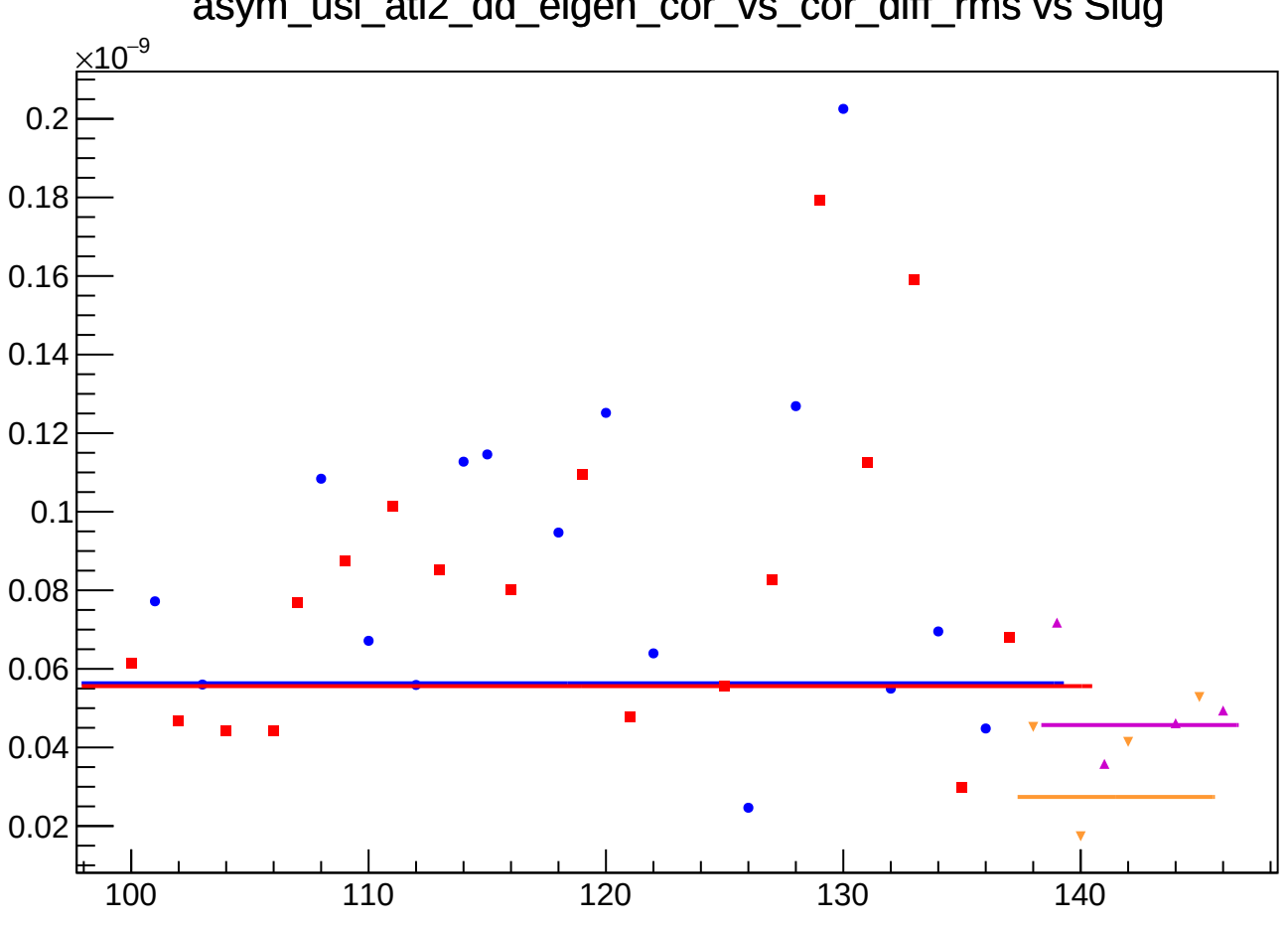
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 9.6/19

All: -0.000+/-0.000 χ^2/NDF: 45.1/41

- sign 0.000+/-0.000 χ^2/NDF: 35.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:692939.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

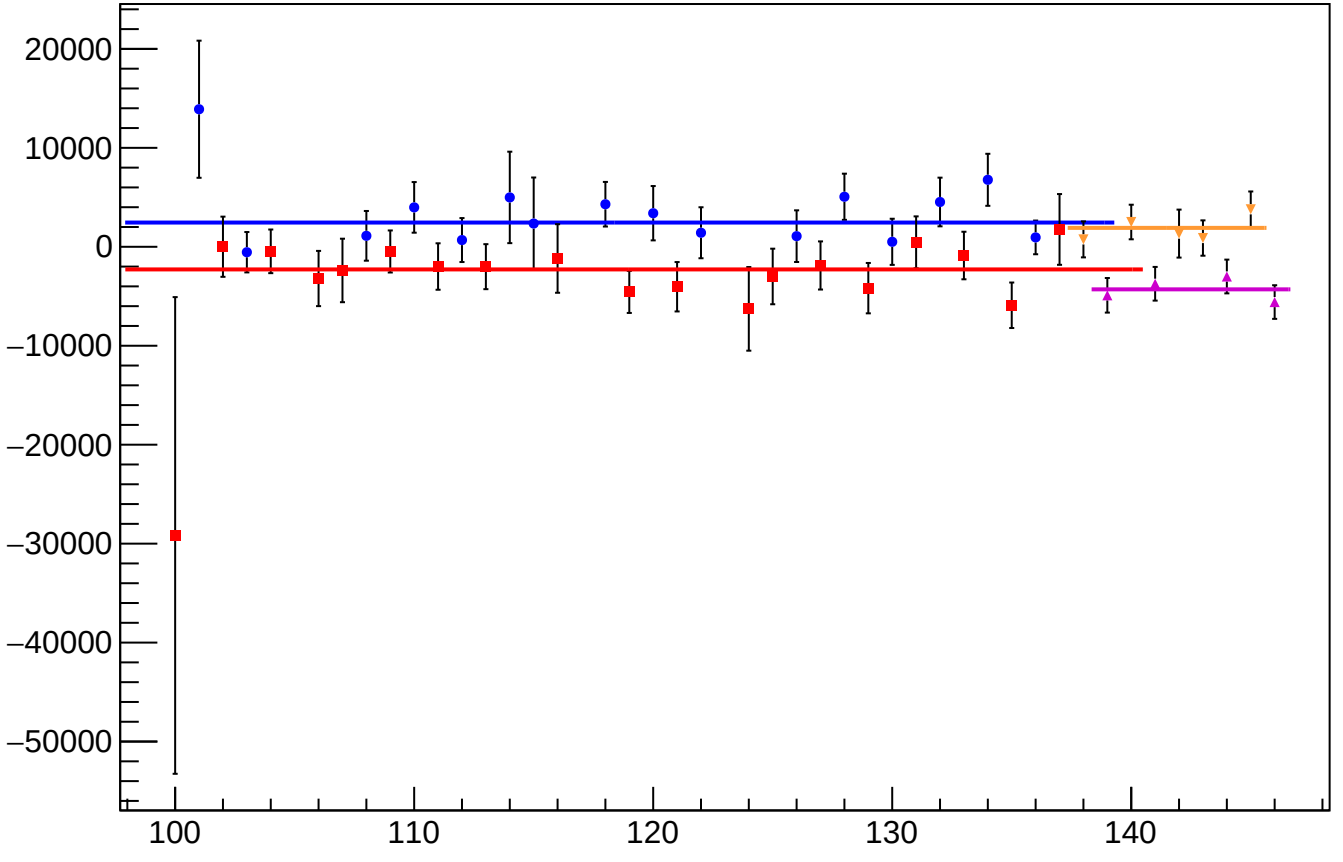
Left In: 0.000+/-0.000 χ^2/NDF:232535.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 3430641.3/19

All: 0.000+/-0.000 χ^2/NDF: 5912133.6/41

- sign 0.000+/-0.000 χ^2/NDF: 2108381.6/21

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1911.614+/-838.687 χ^2/NDF:2.0/4

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

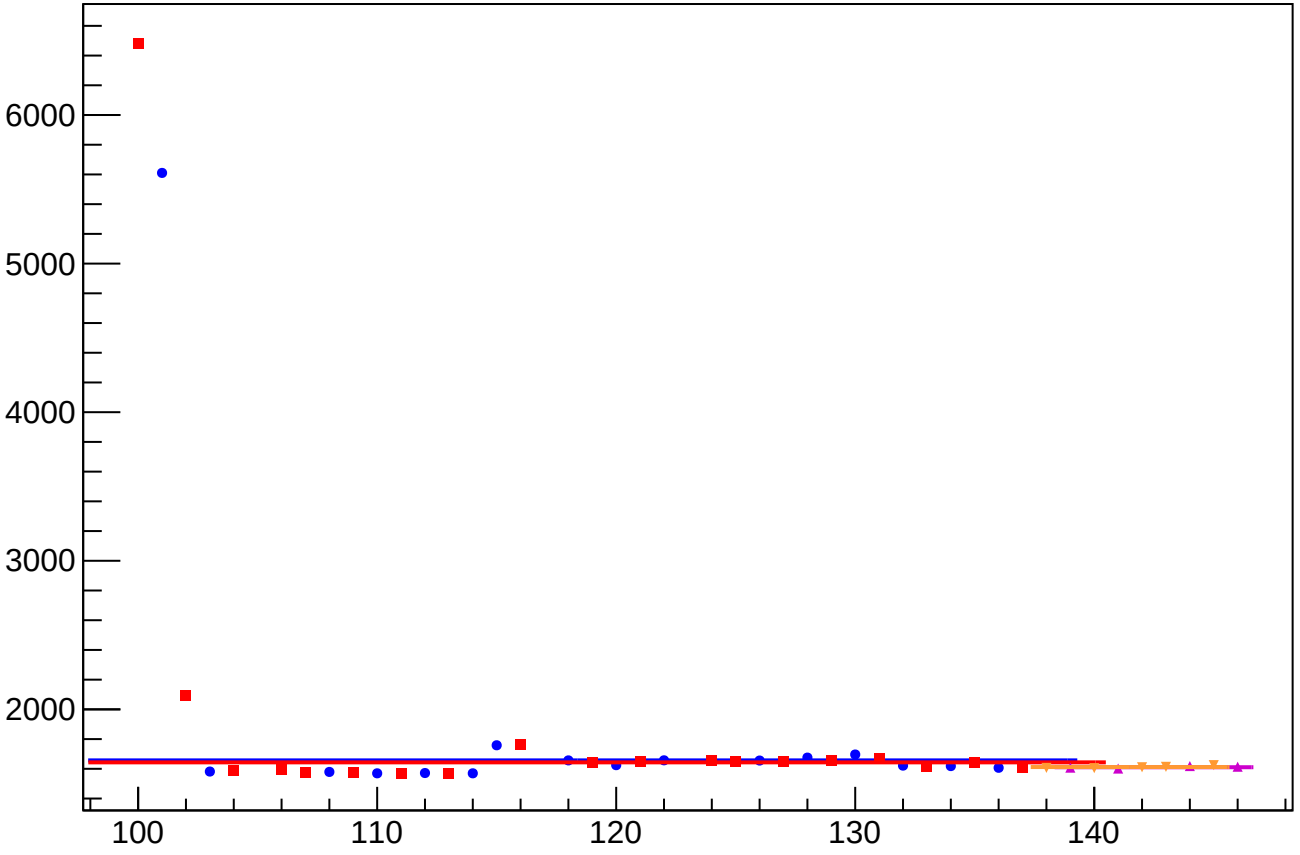
Left In: -4300.867+/-856.769 χ^2/NDF:1.4/3

+ sign 2255.673+/-503.836 χ^2/NDF: 16.1/20

All: -392.085+/-353.630 χ^2/NDF: 87.4/43

- sign -2962.920+/-496.463 χ^2/NDF: 16.9/22

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1611.872+/-0.593 χ^2/NDF:154.6/4

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

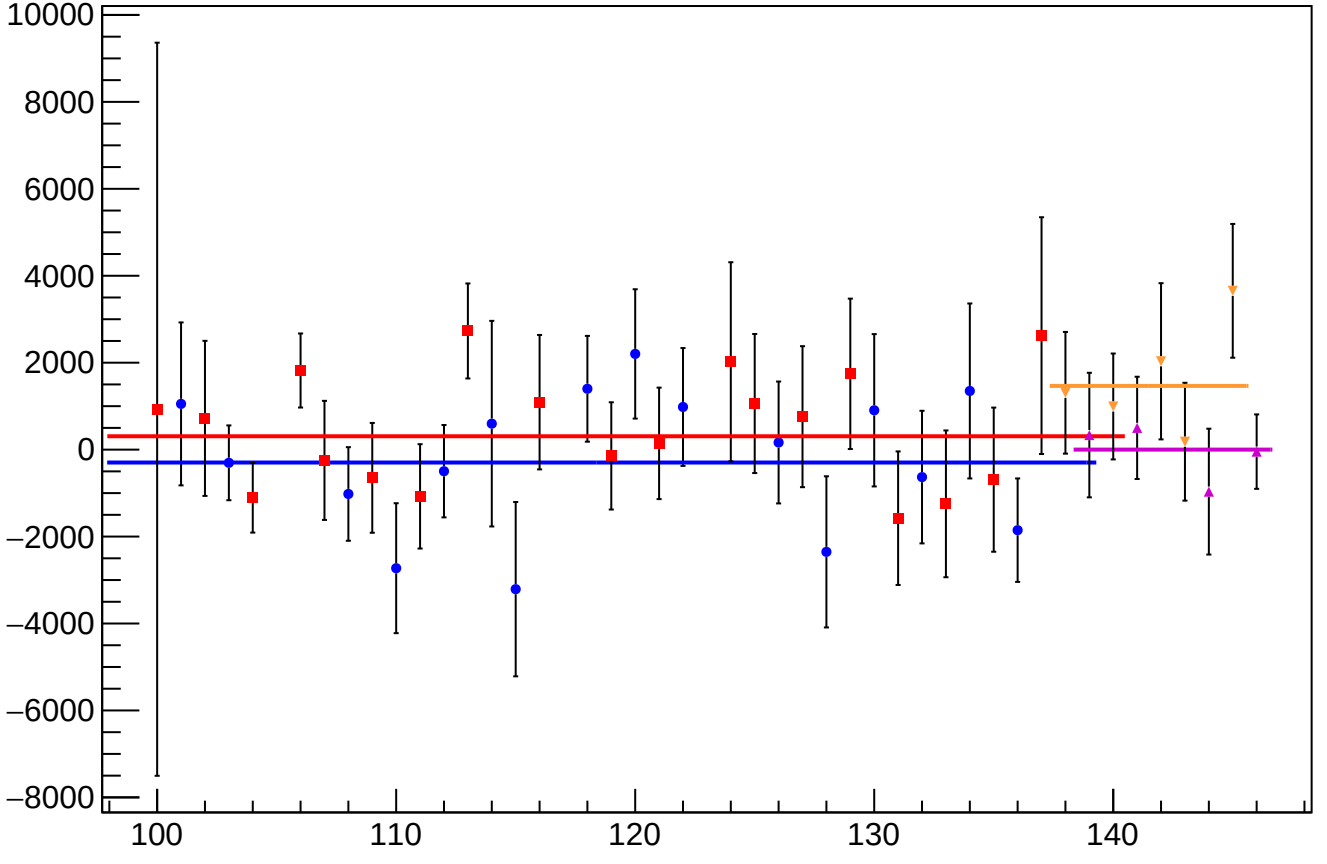
Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

+ sign 1640.511+/-0.356 χ^2/NDF: 670029.7/20

All: 1636.411+/-0.250 χ^2/NDF: 809342.4/43

- sign 1632.430+/-0.351 χ^2/NDF: 139051.6/22

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 1466.143+/-637.493 χ^2/NDF:3.2/4

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

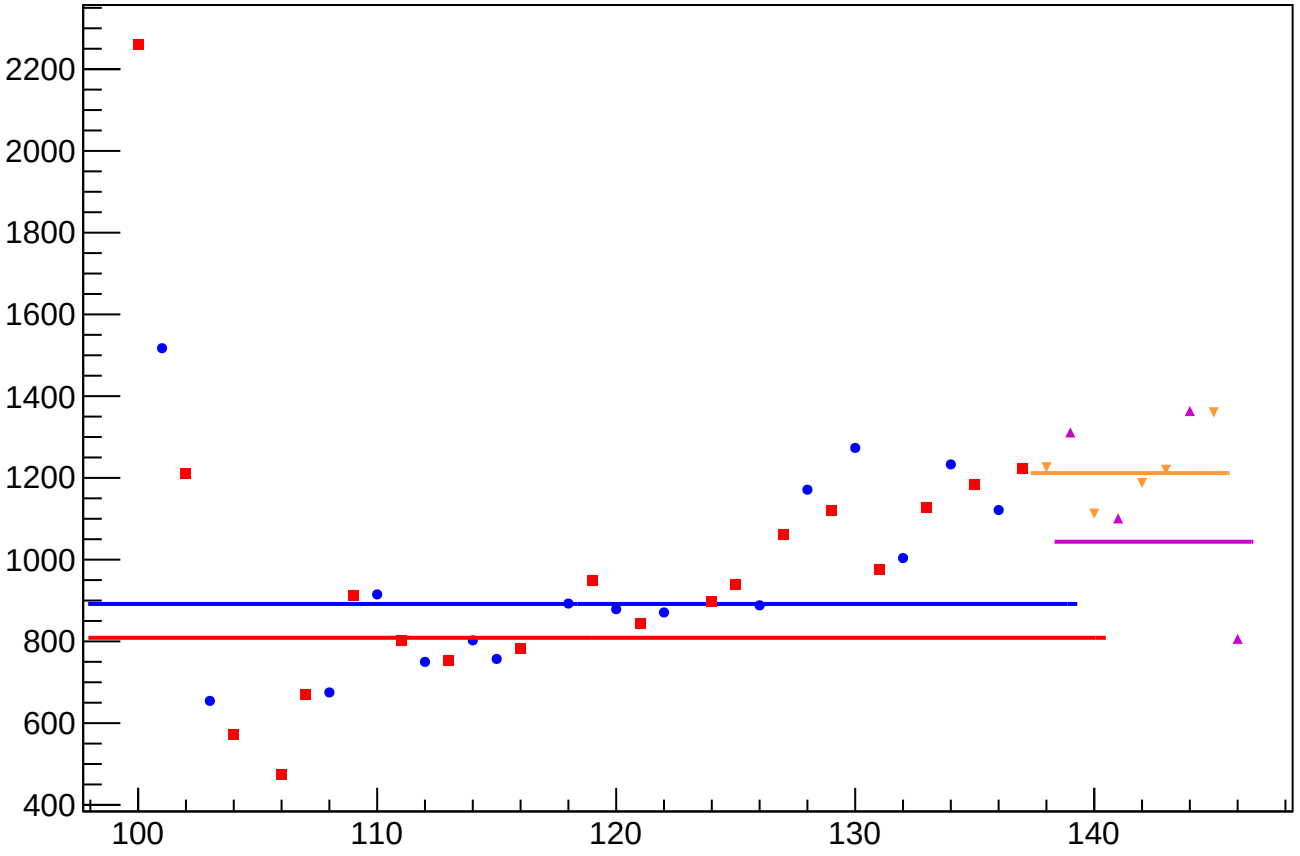
Left In: 0.565+/-572.461 χ^2/NDF:0.7/3

+ sign 100.035+/-302.352 χ^2/NDF: 25.1/20

All: 175.087+/-203.282 χ^2/NDF: 44.8/43

- sign 237.000+/-274.614 χ^2/NDF: 19.6/22

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 1211.816+/-0.451 χ^2/NDF:32578.9/4

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

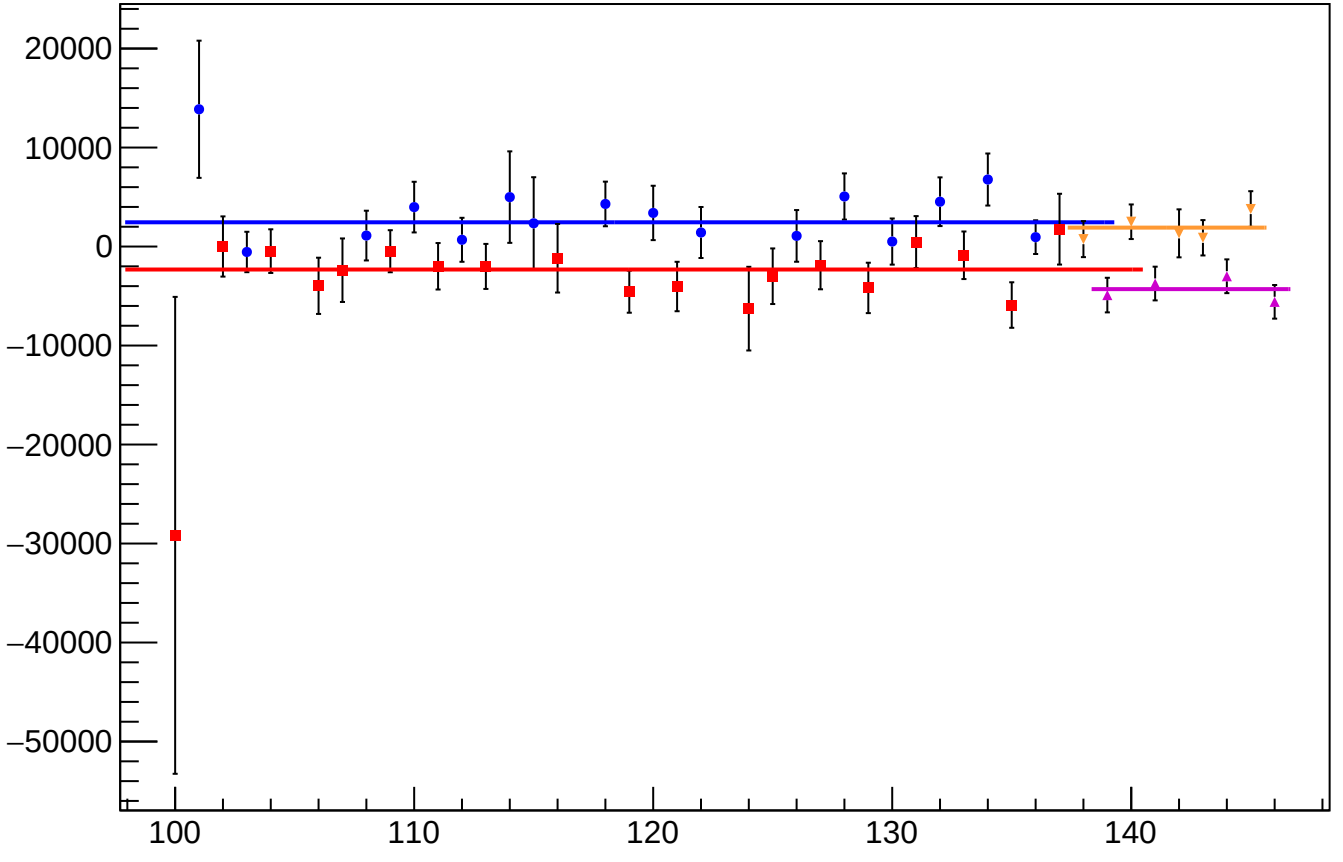
Left In: 1043.820+/-0.405 χ^2/NDF:326074.9/3

+ sign 963.656+/-0.214 χ^2/NDF: 1217506.0/20

All: 908.440+/-0.144 χ^2/NDF: 3008649.6/43

- sign 862.890+/-0.194 χ^2/NDF: 1669416.3/22

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1911.754+/-838.687 χ^2/NDF:2.0/4

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

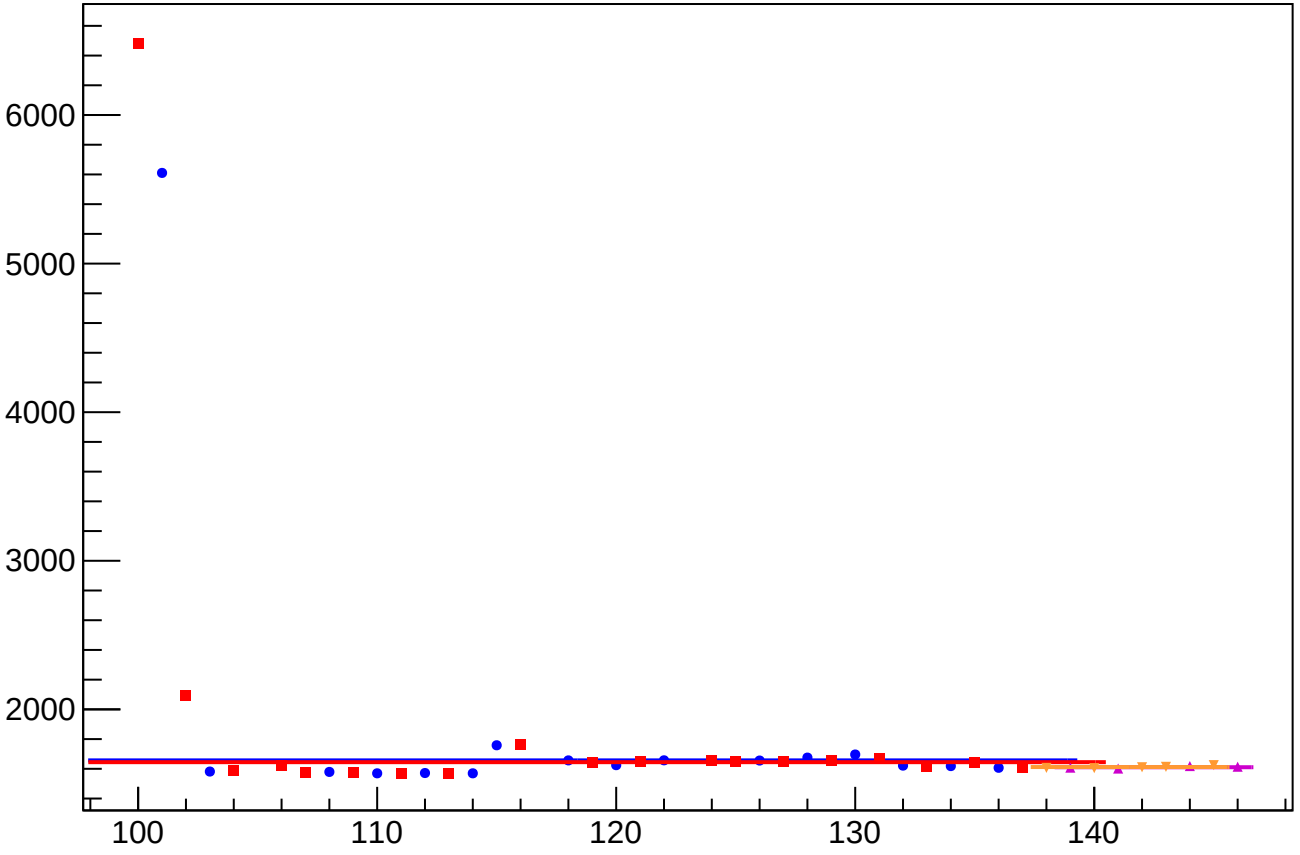
Left In: -4301.069+/-856.769 χ^2/NDF:1.4/3

+ sign 2255.365+/-503.836 χ^2/NDF: 16.1/20

All: -402.670+/-353.728 χ^2/NDF: 88.0/43

- sign -2986.298+/-496.734 χ^2/NDF: 17.0/22

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.872+/-0.593 χ^2/NDF:154.6/4

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

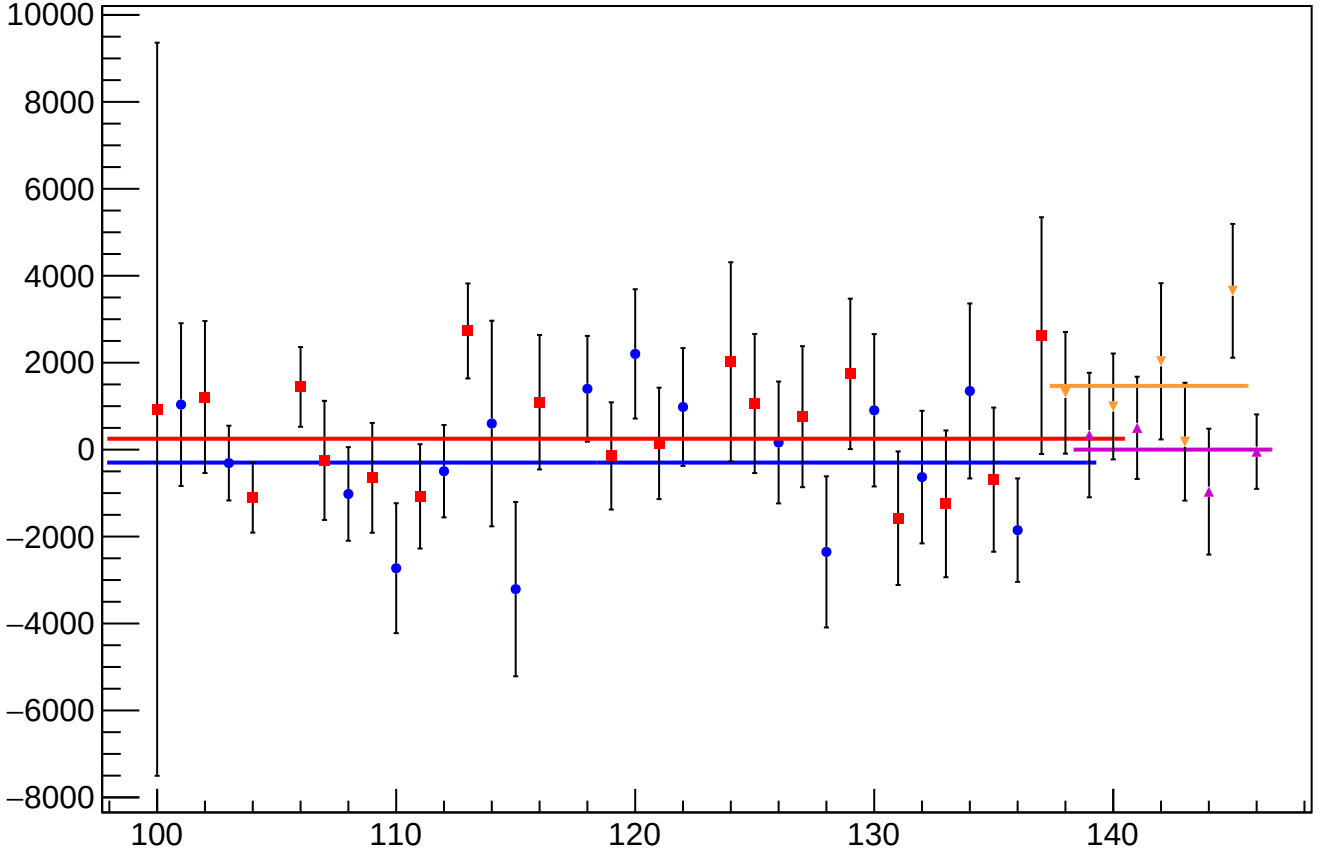
Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

+ sign 1640.511+/-0.356 χ^2/NDF: 670029.3/20

All: 1636.846+/-0.250 χ^2/NDF: 808931.3/43

- sign 1633.283+/-0.351 χ^2/NDF: 138693.3/22

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1466.253+/-637.487 χ^2/NDF:3.2/4

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

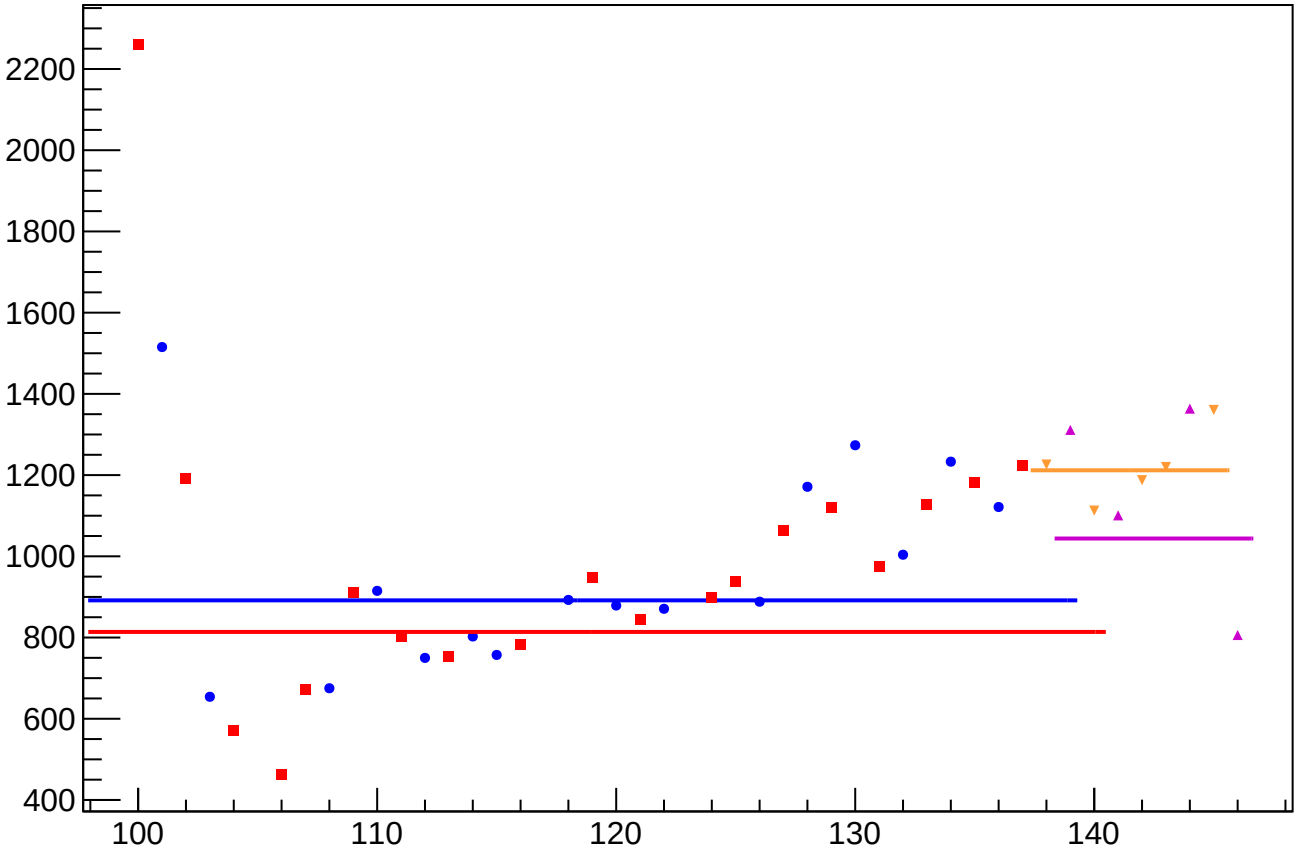
Left In: 0.526+/-572.468 χ^2/NDF:0.7/3

+ sign 98.942+/-302.320 χ^2/NDF: 25.1/20

All: 150.026+/-204.027 χ^2/NDF: 43.2/43

- sign 192.752+/-276.482 χ^2/NDF: 18.1/22

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1211.804+/-0.451 χ^2/NDF:32575.9/4

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

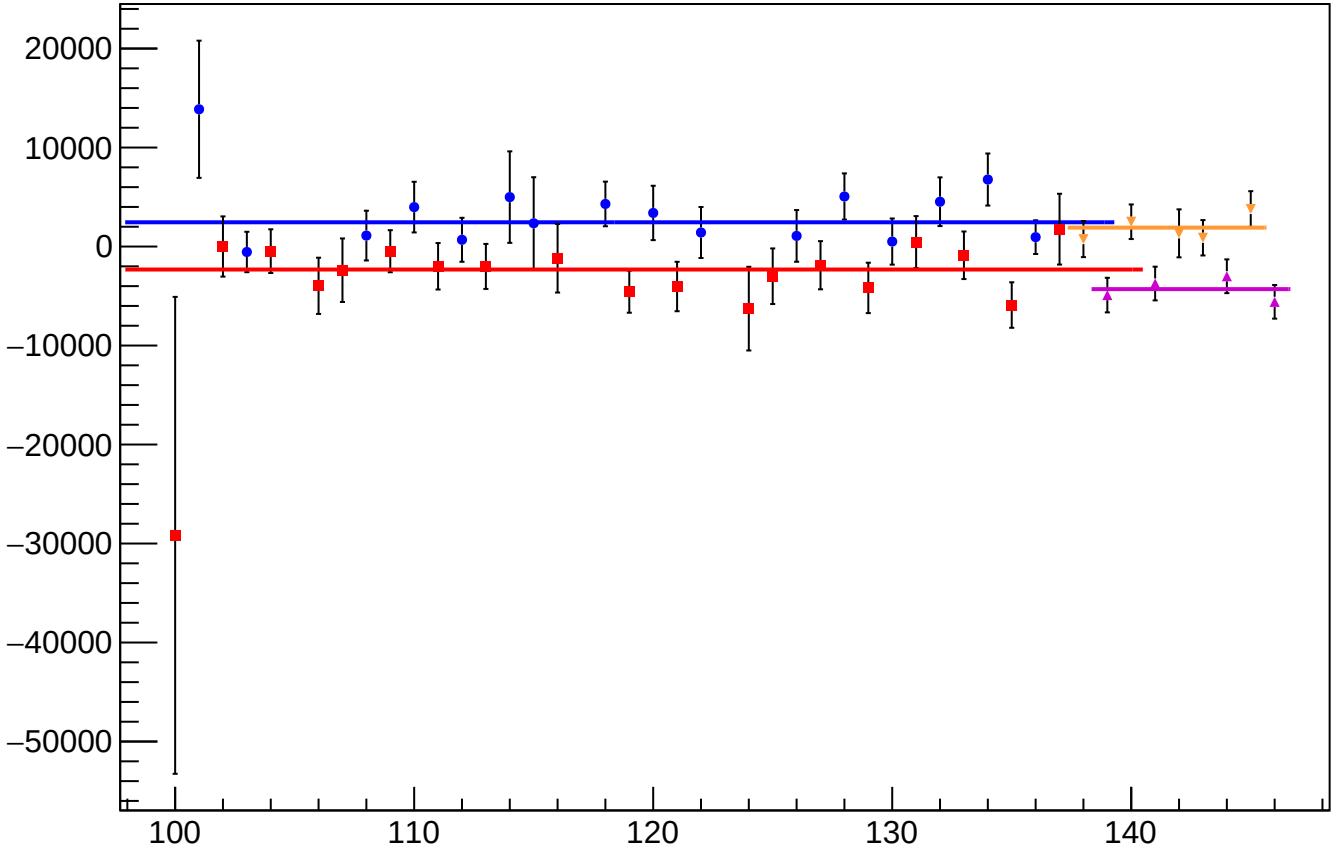
Left In: 1043.834+/-0.405 χ^2/NDF:326050.8/3

\+ sign 963.562+/-0.214 χ^2/NDF: 1217505.4/20

All: 911.231+/-0.144 χ^2/NDF: 2954187.5/43

\- sign 867.462+/-0.196 χ^2/NDF: 1626634.8/22

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1911.754+/-838.687 χ^2/NDF:2.0/4

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

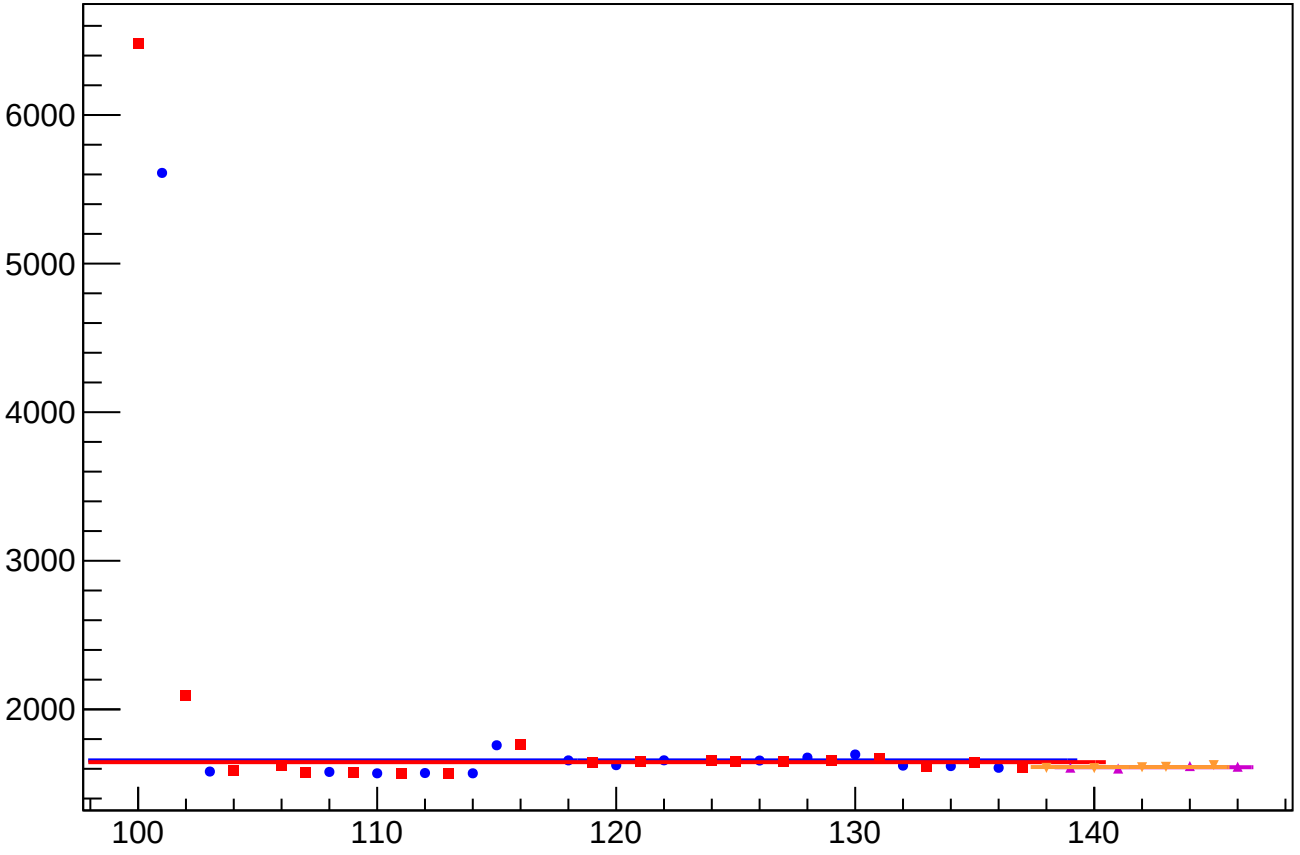
Left In: -4301.069+/-856.769 χ^2/NDF:1.4/3

+ sign 2255.365+/-503.836 χ^2/NDF: 16.1/20

All: -402.670+/-353.728 χ^2/NDF: 88.0/43

- sign -2986.298+/-496.734 χ^2/NDF: 17.0/22

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.872+/-0.593 χ^2/NDF:154.6/4

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

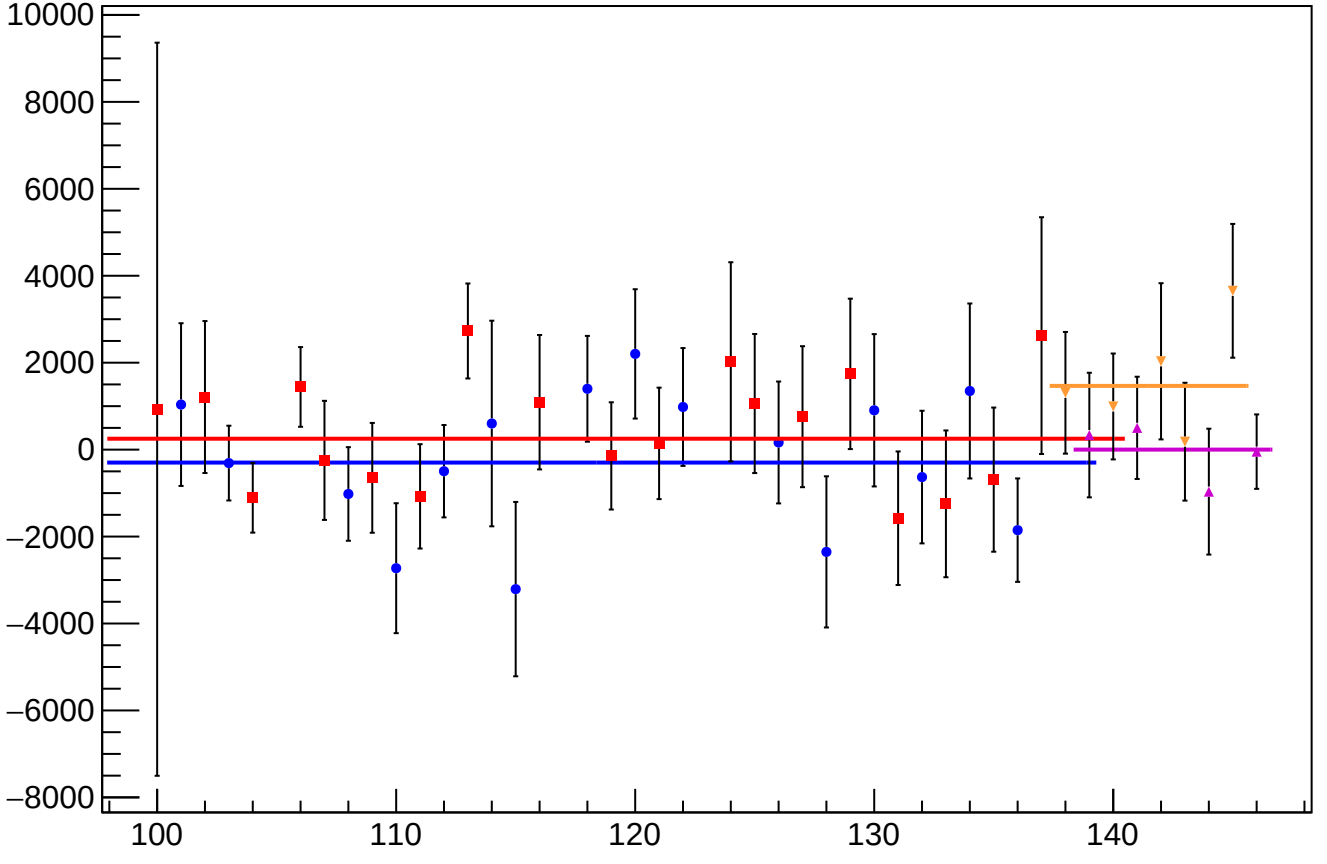
Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

+ sign 1640.511+/-0.356 χ^2/NDF: 670029.3/20

All: 1636.846+/-0.250 χ^2/NDF: 808931.3/43

- sign 1633.283+/-0.351 χ^2/NDF: 138693.3/22

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1466.253+/-637.487 χ^2/NDF:3.2/4

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

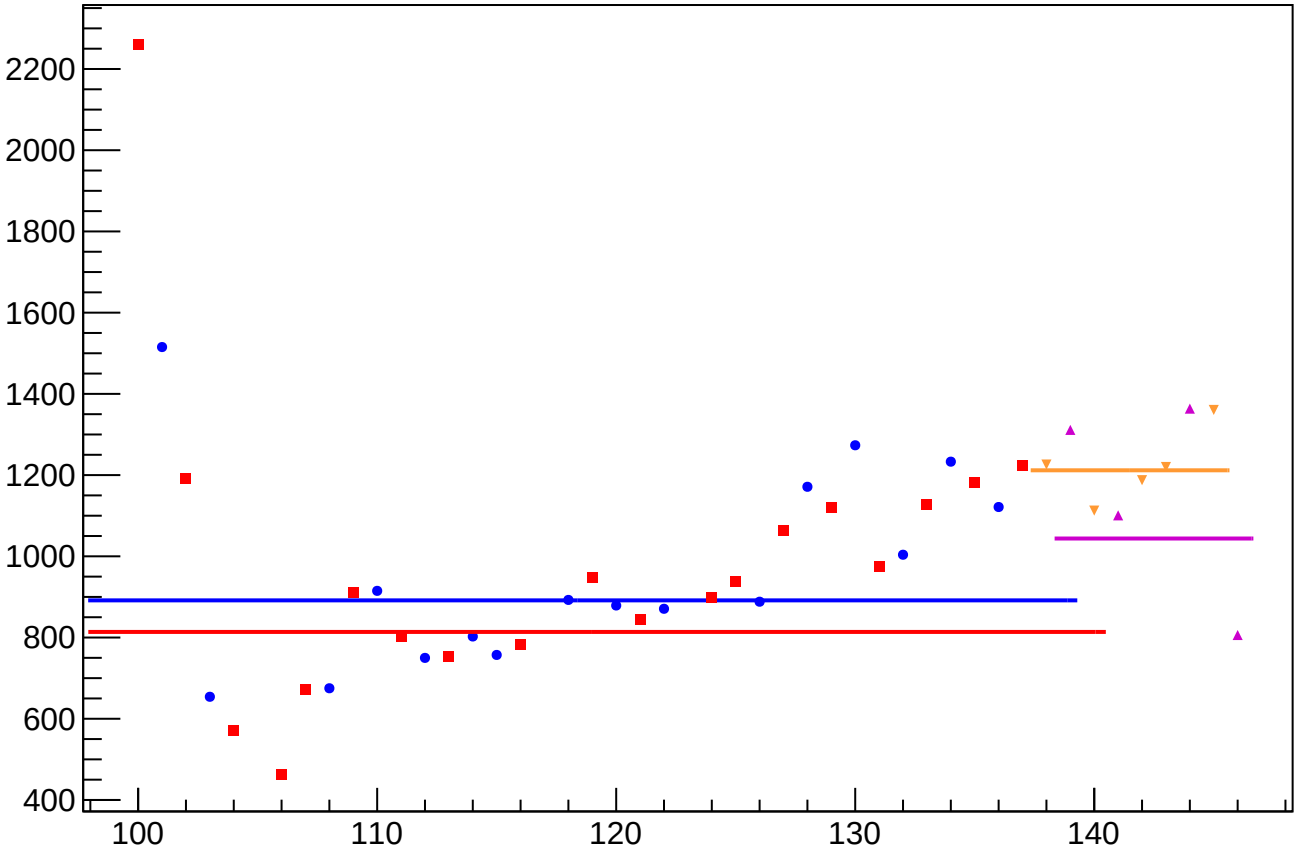
Left In: 0.526+/-572.468 χ^2/NDF:0.7/3

\+ sign 98.942+/-302.320 χ^2/NDF: 25.1/20

All: 150.026+/-204.027 χ^2/NDF: 43.2/43

\- sign 192.752+/-276.482 χ^2/NDF: 18.1/22

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1211.804+/-0.451 χ^2/NDF:32575.9/4

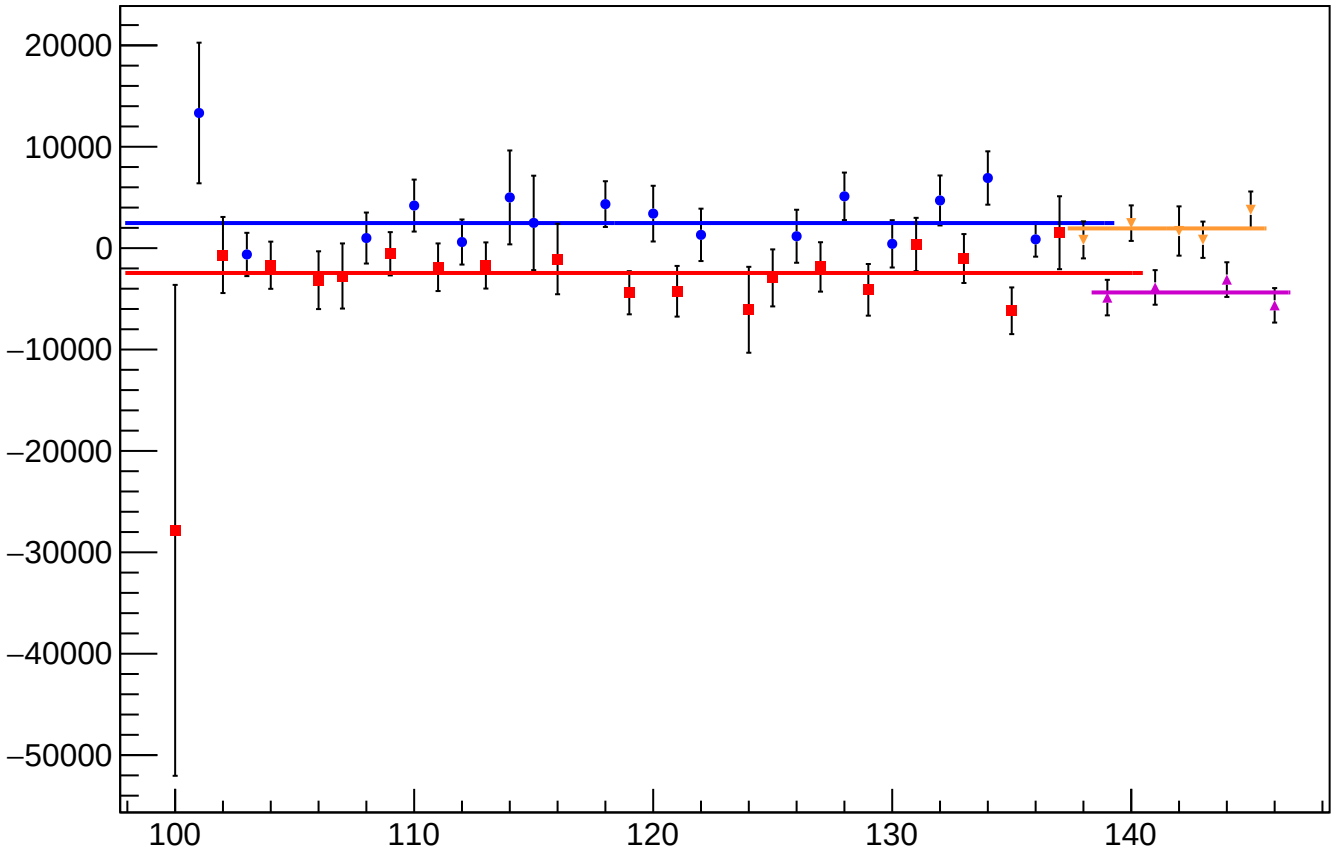
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1043.834+/-0.405 χ^2/NDF:326050.8/3

+ sign 963.562+/-0.214 χ^2/NDF: 1217505.4/20

All: 911.231+/-0.144 χ^2/NDF: 2954187.5/43

- sign 867.462+/-0.196 χ^2/NDF: 1626634.8/22



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1945.457+/-840.959 χ^2/NDF:1.9/4

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

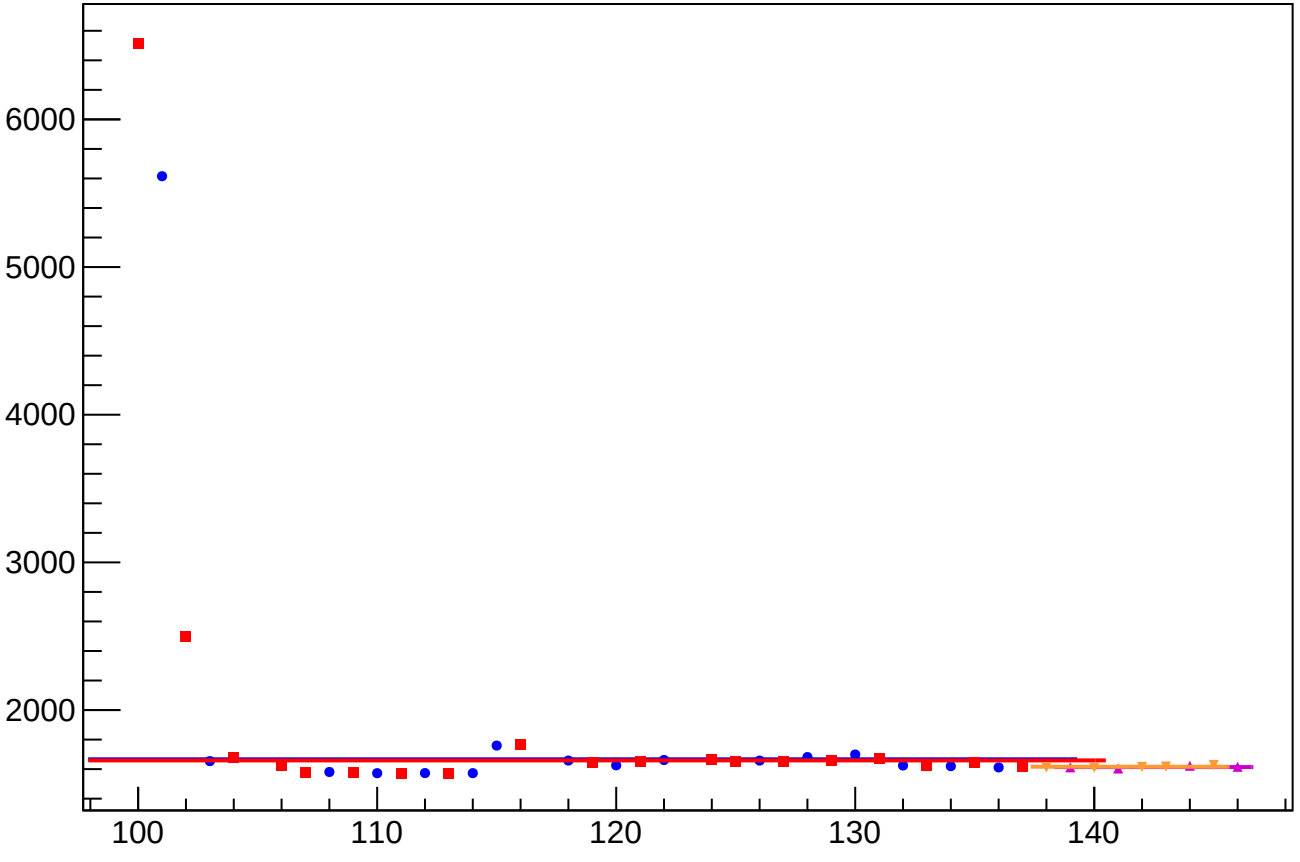
Left In: -4370.092+/-858.536 χ^2/NDF:1.3/3

+ sign 2283.295+/-506.182 χ^2/NDF: 16.4/20

All: -436.391+/-356.193 χ^2/NDF: 88.7/43

- sign -3104.061+/-501.318 χ^2/NDF: 15.1/22

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1616.230+/-0.595 χ^2/NDF:132.8/4

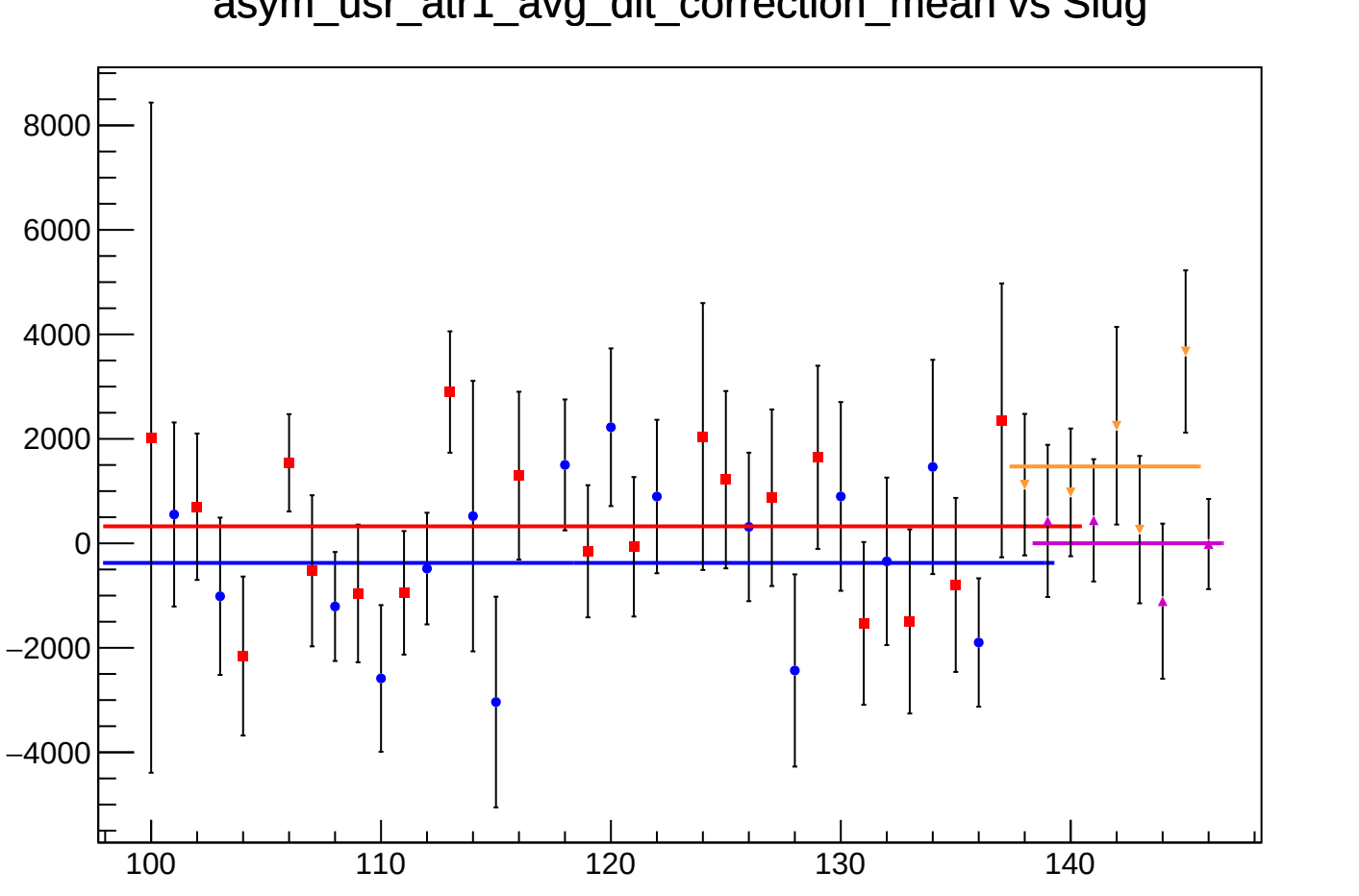
Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.954+/-0.607 χ^2/NDF:122.6/3

+ sign 1648.223+/-0.358 χ^2/NDF: 667586.6/20

All: 1645.912+/-0.252 χ^2/NDF: 864644.8/43

- sign 1643.644+/-0.354 χ^2/NDF: 196975.6/22



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 1471.726+/-643.962 χ^2/NDF:3.1/4

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

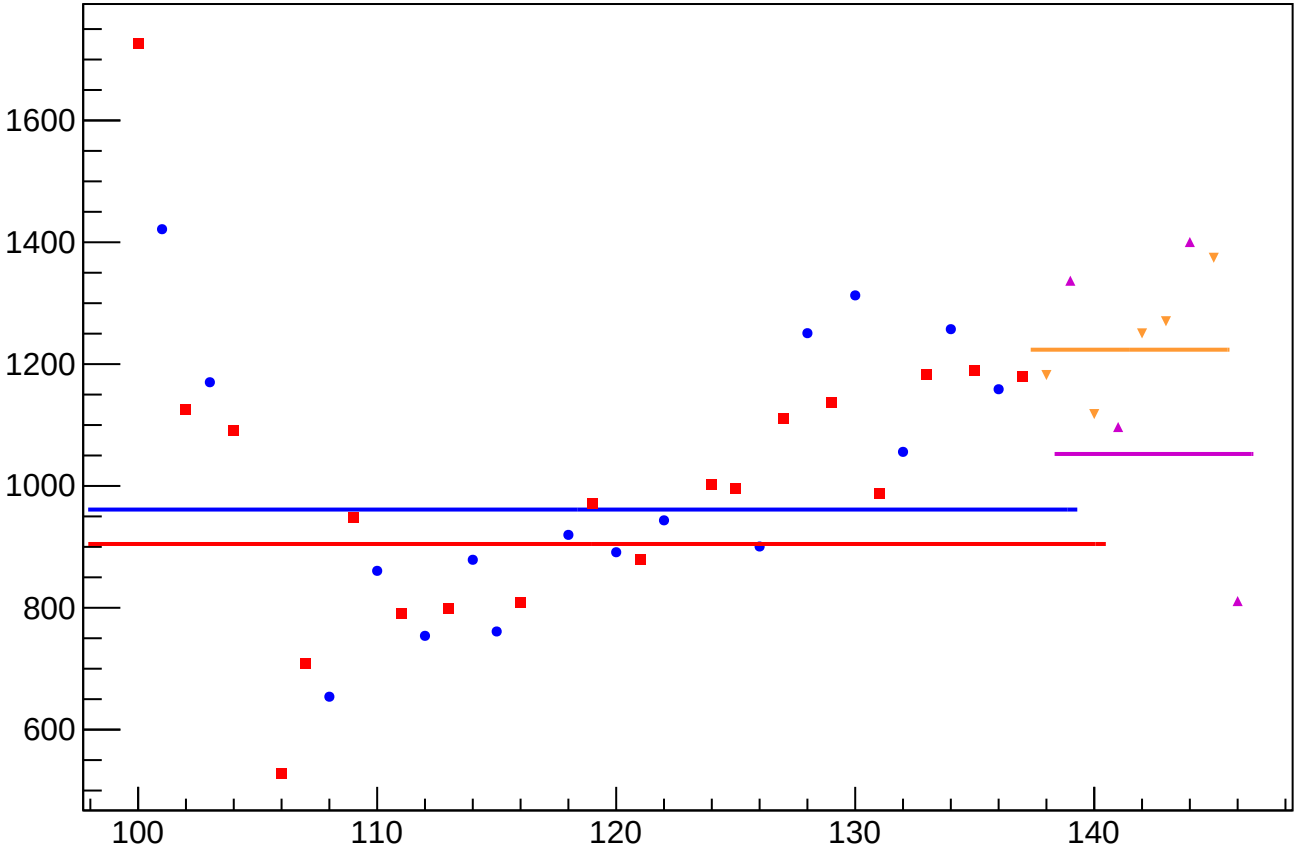
Left In: 1.383+/-577.504 χ^2/NDF:0.8/3

+ sign 79.823+/-319.473 χ^2/NDF: 25.1/20

All: 167.787+/-216.091 χ^2/NDF: 43.6/43

- sign 241.974+/-293.390 χ^2/NDF: 18.4/22

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1223.670+/-0.455 χ^2/NDF:38310.3/4

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

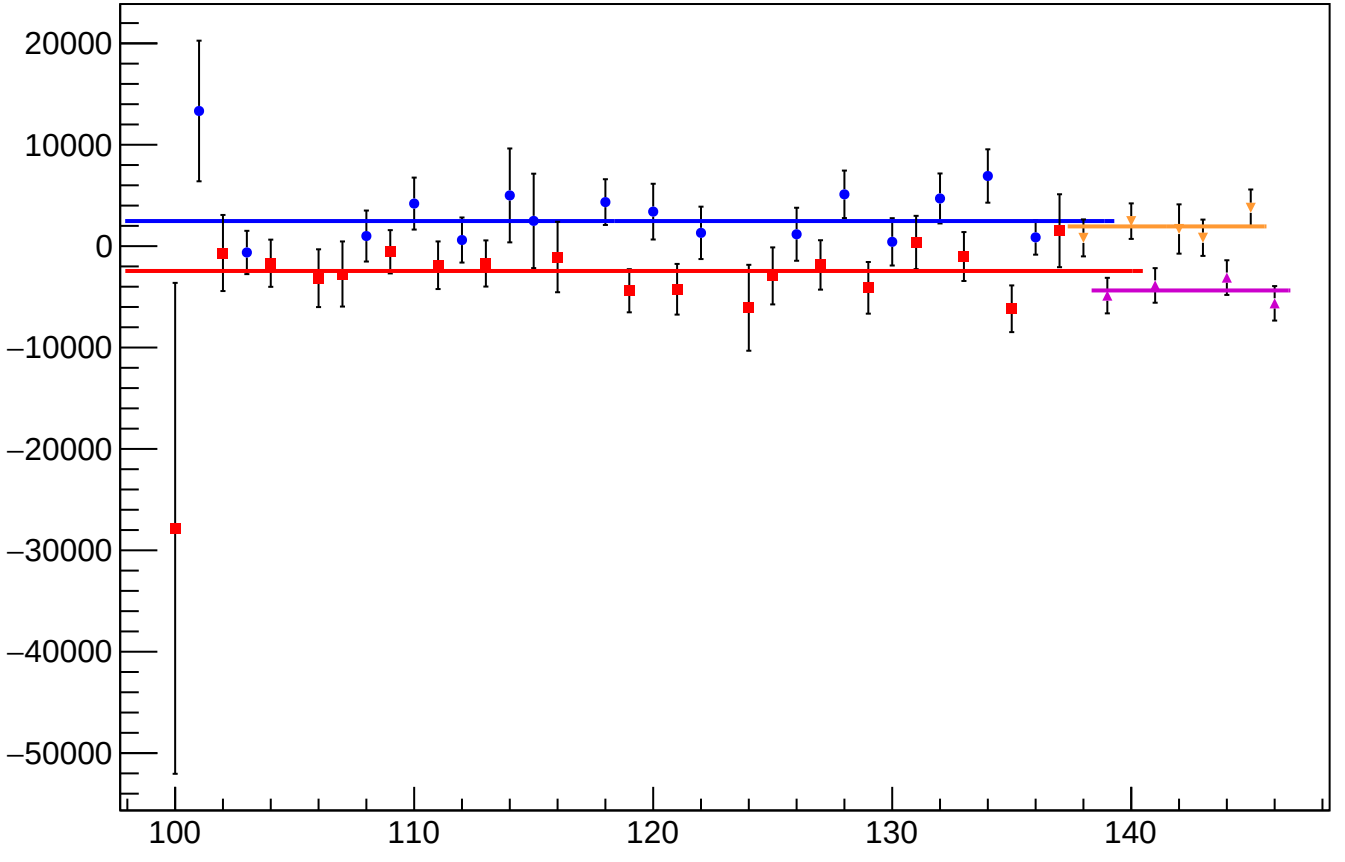
Left In: 1052.505+/-0.408 χ^2/NDF:345591.0/3

+ sign 1025.831+/-0.226 χ^2/NDF: 980583.5/20

All: 980.829+/-0.153 χ^2/NDF: 2232962.7/43

- sign 942.875+/-0.207 χ^2/NDF: 1179223.2/22

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1945.461+/-840.959 χ^2/NDF:1.9/4

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

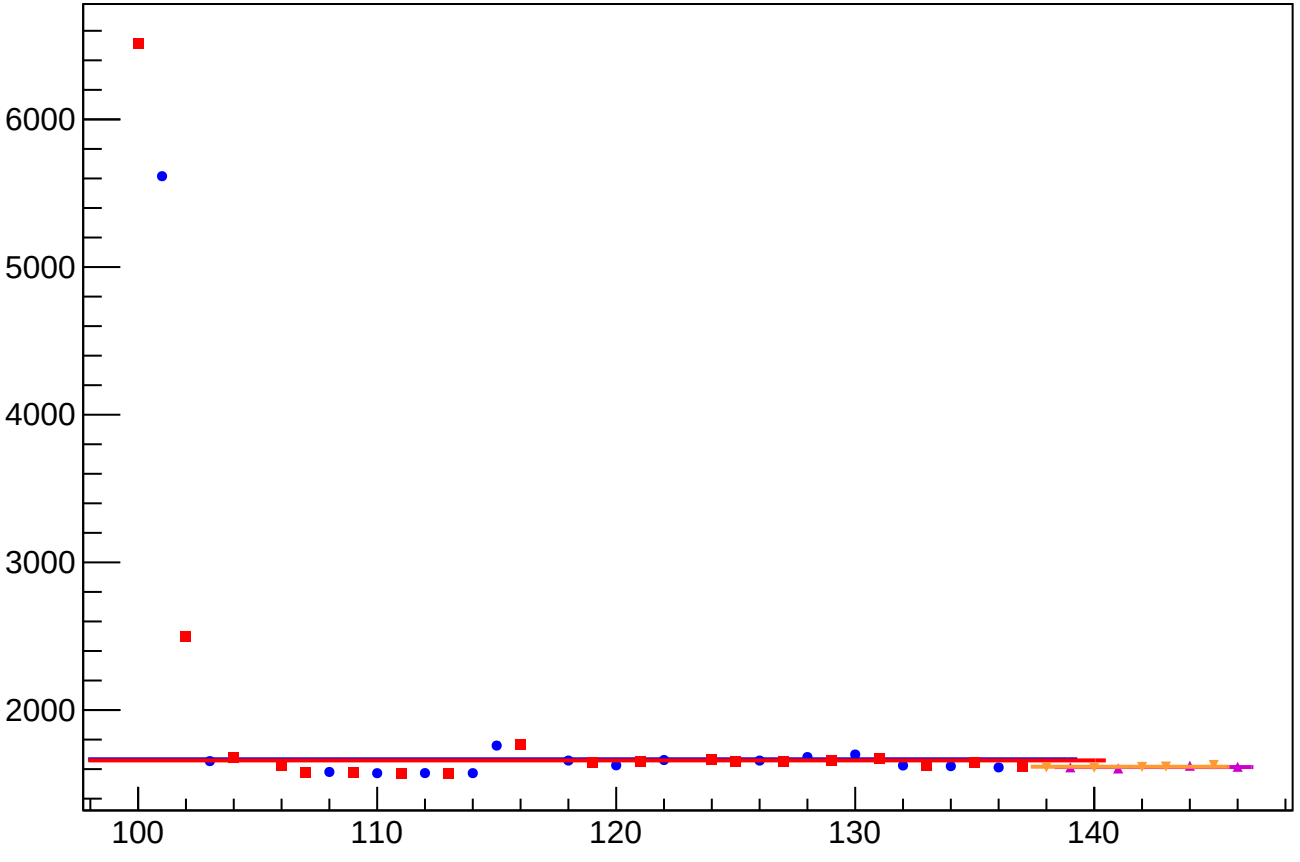
Left In: -4370.091+/-858.536 χ^2/NDF:1.3/3

+ sign 2283.295+/-506.182 χ^2/NDF: 16.4/20

All: -436.390+/-356.193 χ^2/NDF: 88.7/43

- sign -3104.061+/-501.318 χ^2/NDF: 15.1/22

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1616.230+/-0.595 χ^2/NDF:132.8/4

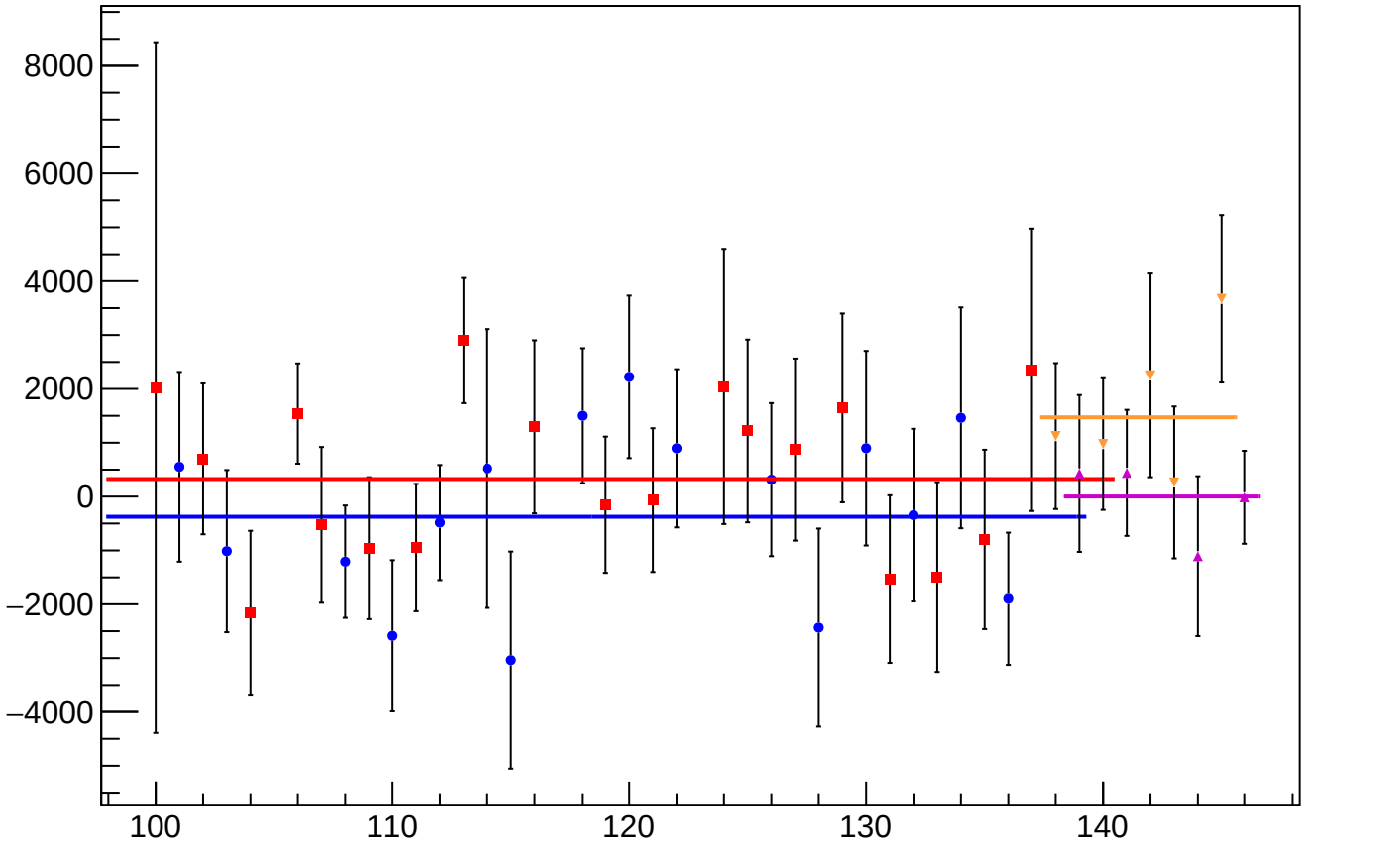
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.954+/-0.607 χ^2/NDF:122.6/3

+ sign 1648.223+/-0.358 χ^2/NDF: 667586.6/20

All: 1645.912+/-0.252 χ^2/NDF: 864644.6/43

- sign 1643.644+/-0.354 χ^2/NDF: 196975.4/22



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 1471.728+/-643.964 χ^2/NDF:3.1/4

Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

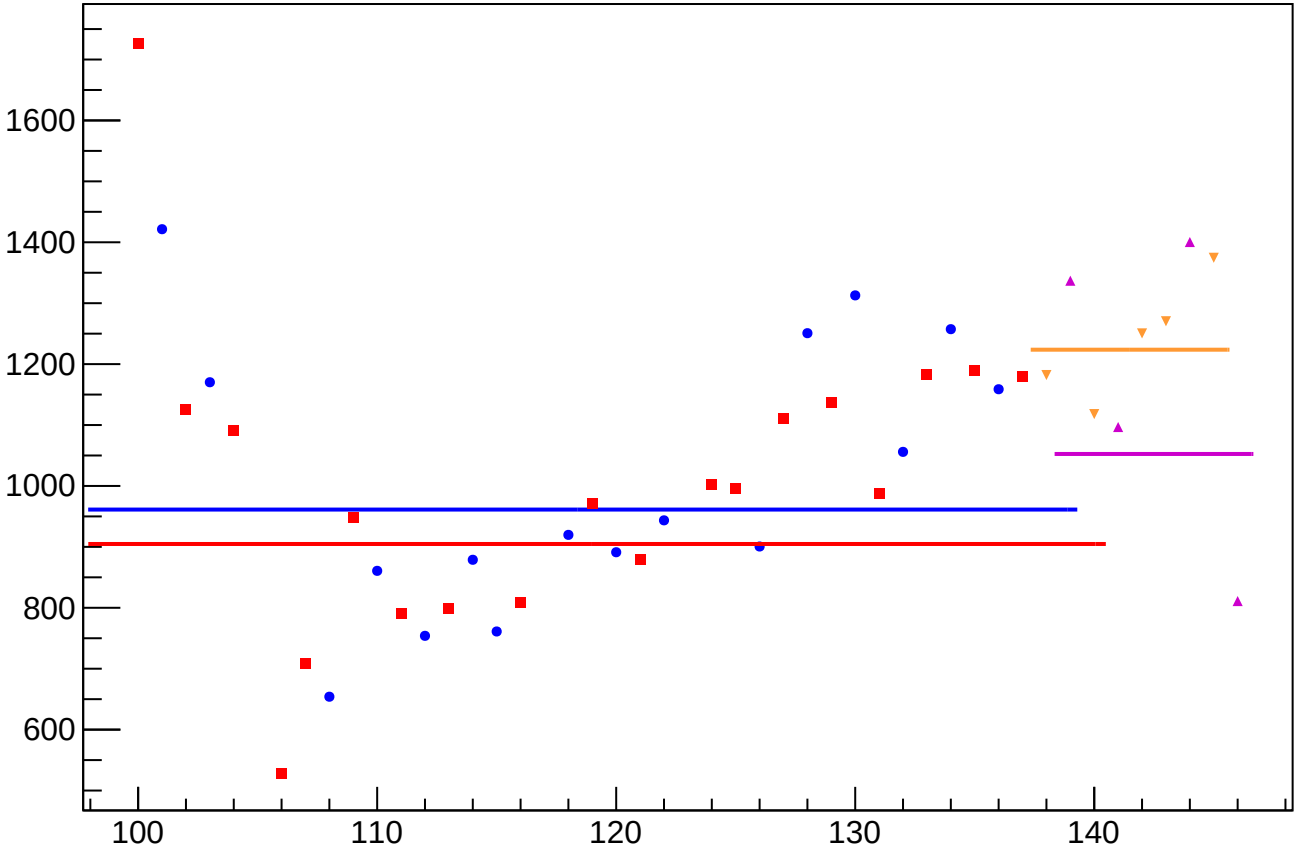
Left In: 1.385+/-577.505 χ^2/NDF:0.8/3

\+ sign 79.821+/-319.472 χ^2/NDF: 25.1/20

All: 167.786+/-216.091 χ^2/NDF: 43.6/43

\- sign 241.974+/-293.389 χ^2/NDF: 18.4/22

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1223.673+/-0.455 χ^2/NDF:38310.5/4

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

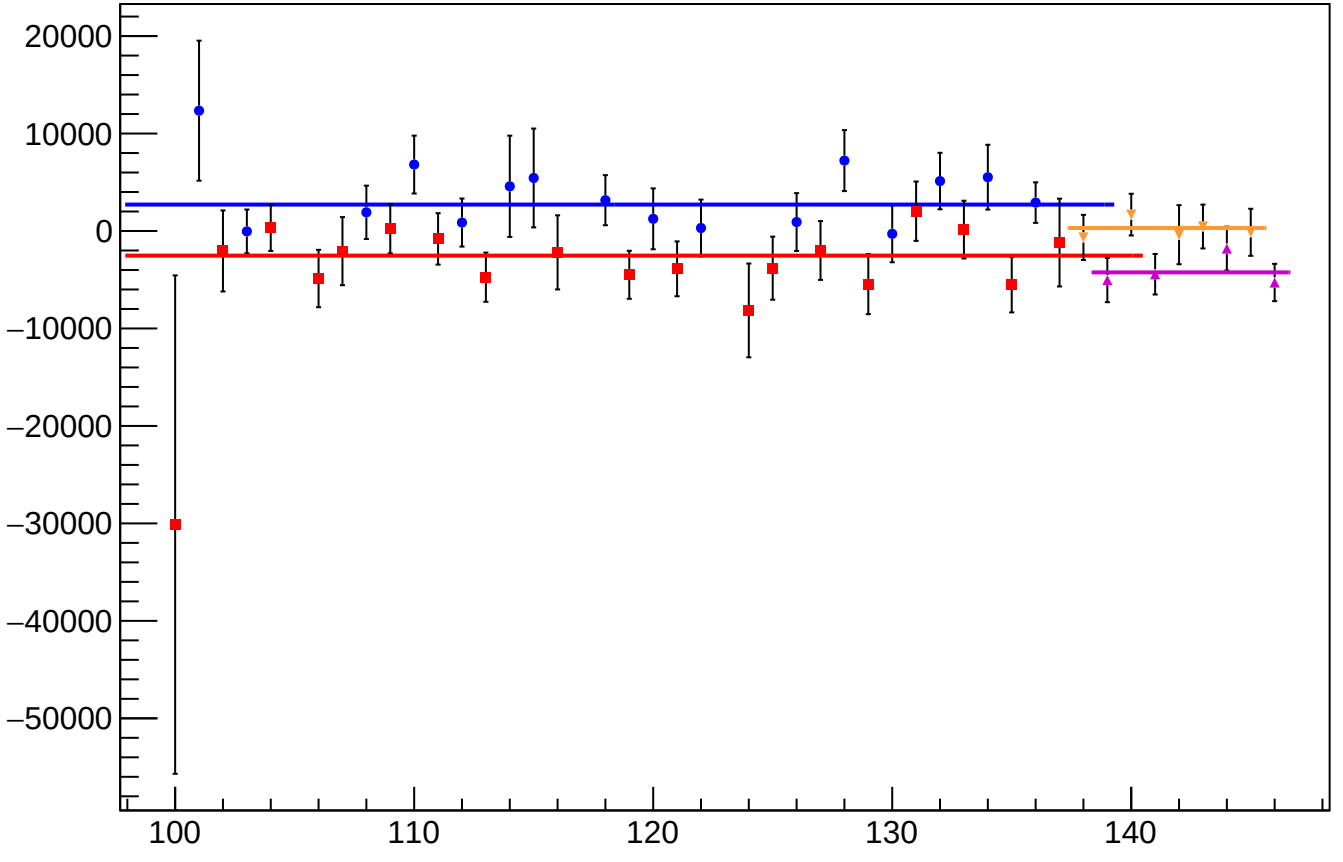
Left In: 1052.507+/-0.408 χ^2/NDF:345592.2/3

+ sign 1025.828+/-0.226 χ^2/NDF: 980603.6/20

All: 980.827+/-0.153 χ^2/NDF: 2232985.3/43

- sign 942.873+/-0.207 χ^2/NDF: 1179227.7/22

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 306.619+/-1063.953 χ^2/NDF:0.7/4

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

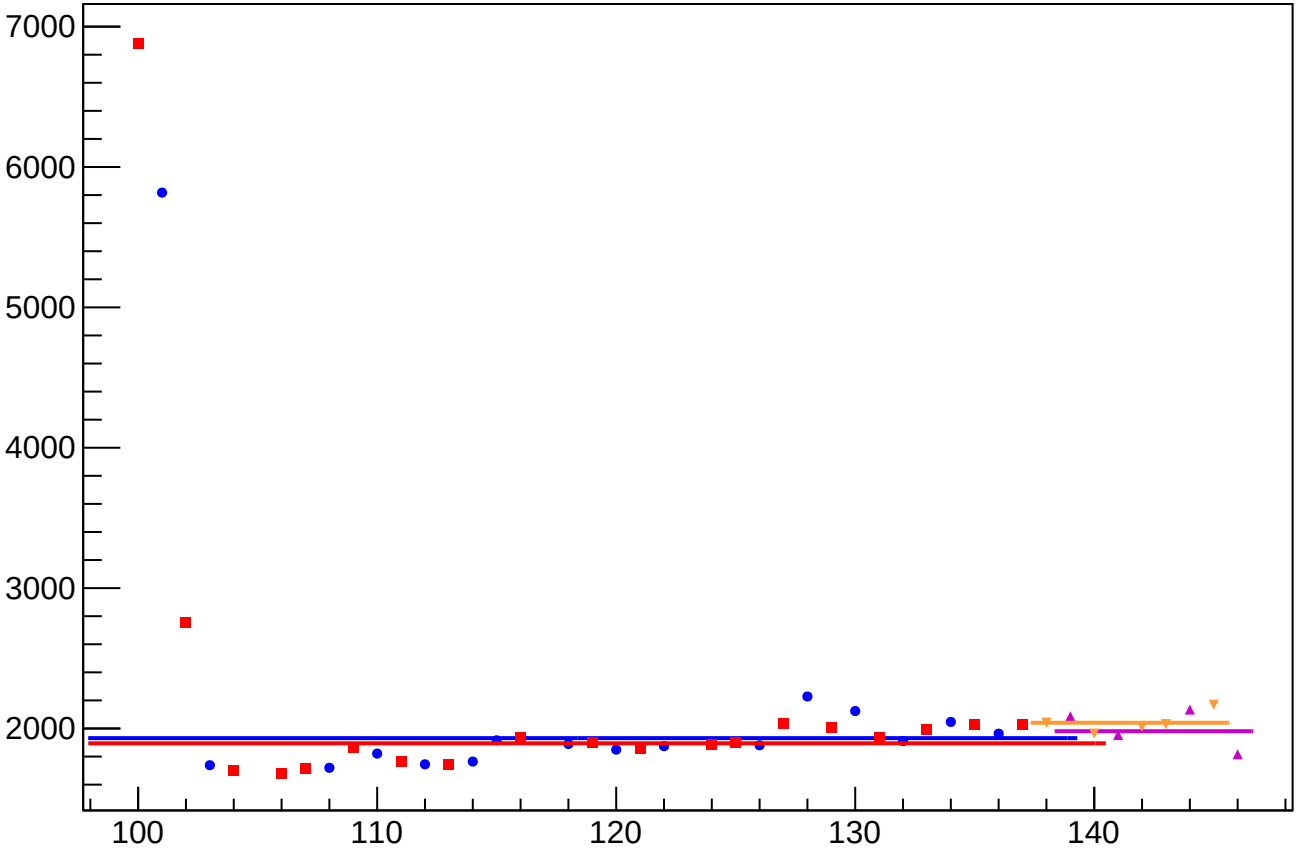
Left In: -4245.045+/-1056.677 χ^2/NDF:1.6/3

+ sign 1934.385+/-604.781 χ^2/NDF: 16.3/20

All: -634.380+/-421.324 χ^2/NDF: 68.0/43

- sign -3056.693+/-587.288 χ^2/NDF: 16.7/22

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 2040.849+/-0.752 χ^2/NDF:8443.1/4

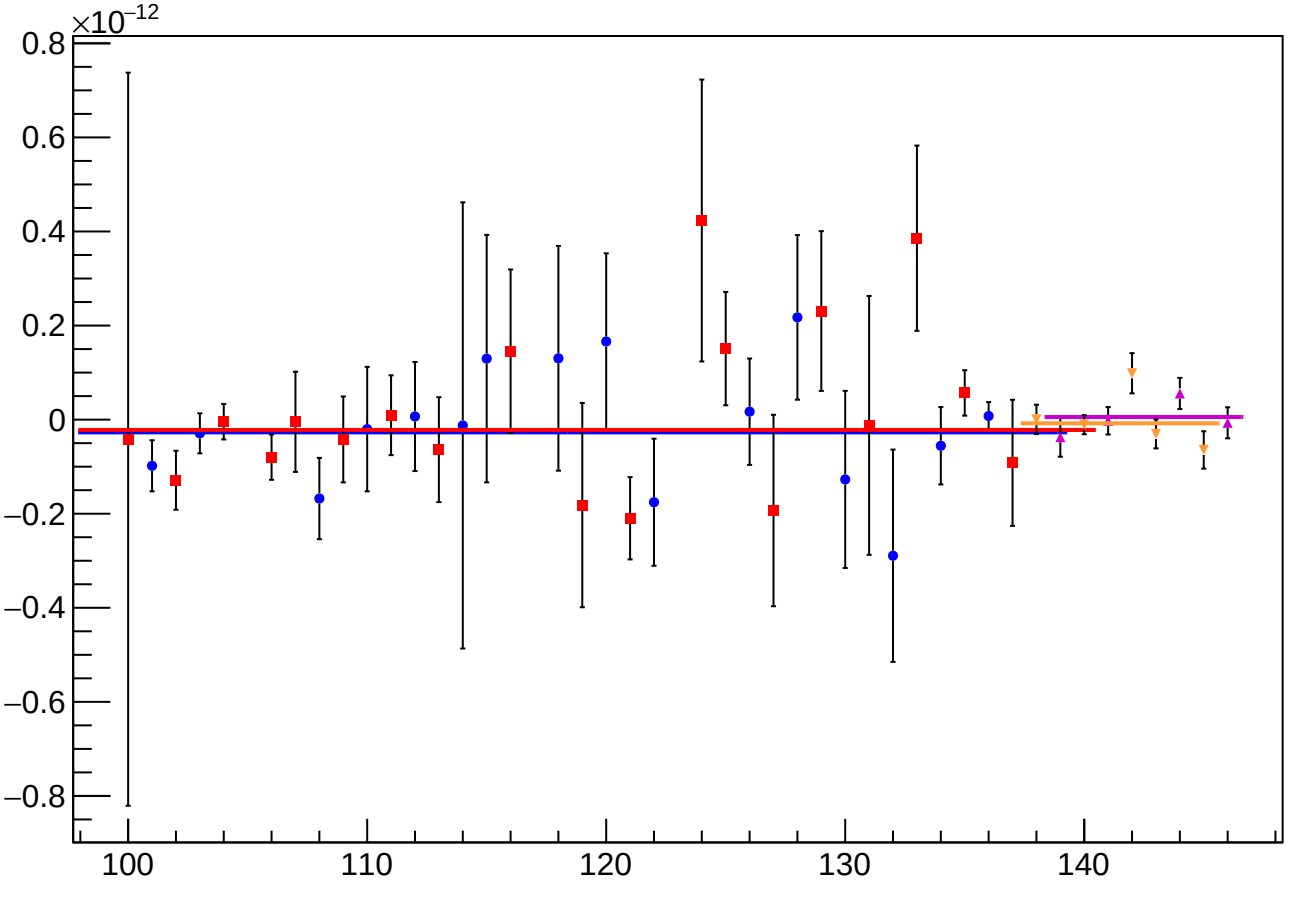
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1980.722+/-0.747 χ^2/NDF:28806.6/3

+ sign 1966.663+/-0.428 χ^2/NDF: 684035.4/20

All: 1943.177+/-0.298 χ^2/NDF: 948478.8/43

- sign 1921.030+/-0.415 χ^2/NDF: 258583.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/4

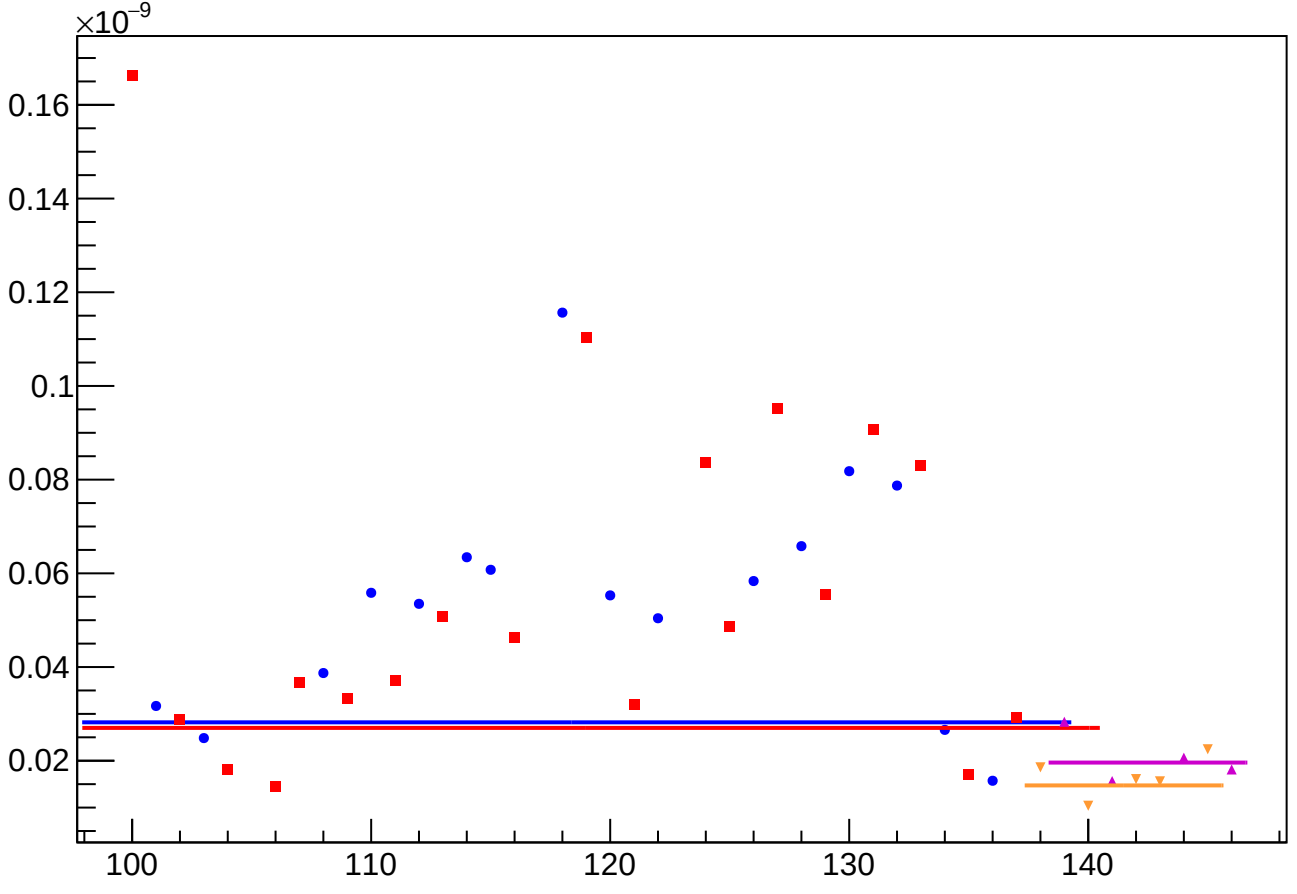
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/20

All: -0.000+/-0.000 χ^2/NDF: 52.7/43

- sign -0.000+/-0.000 χ^2/NDF: 30.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:200578.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

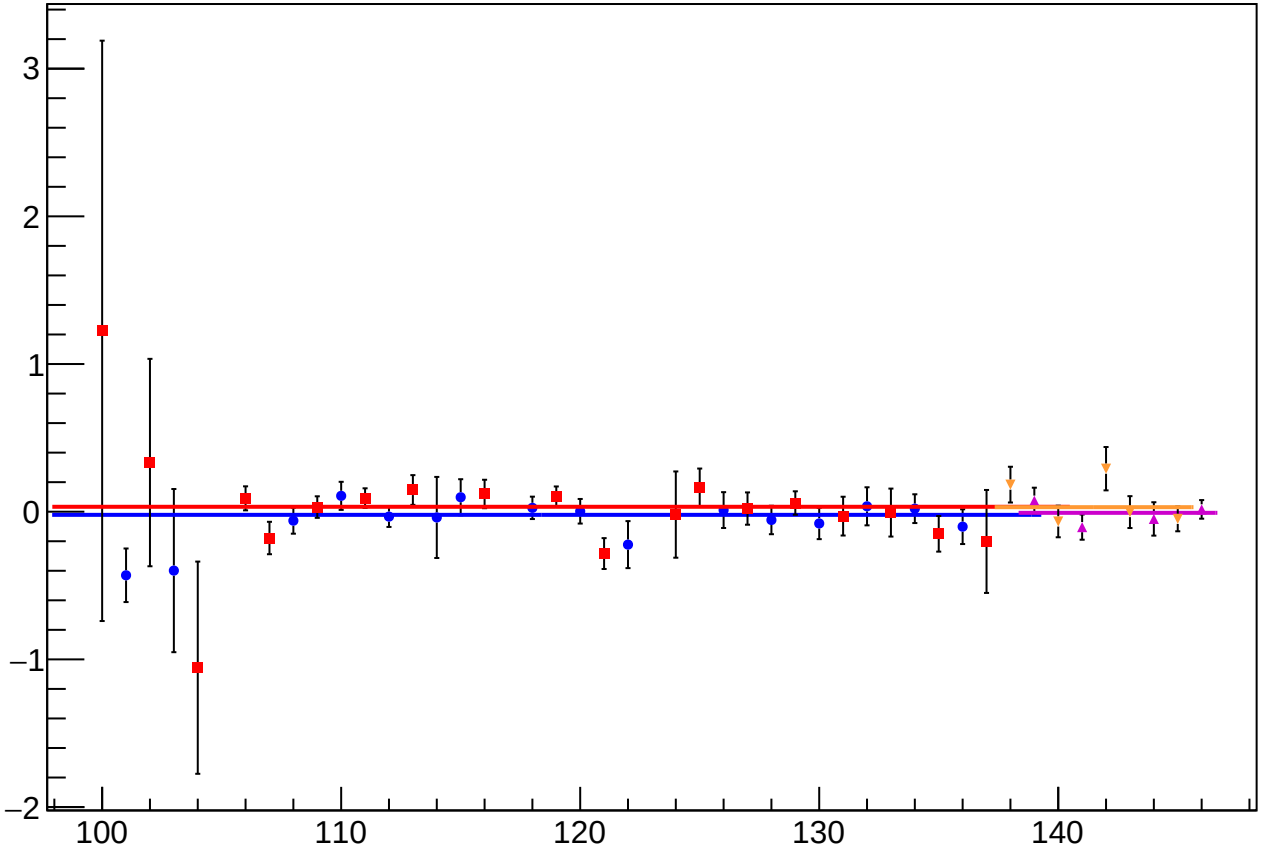
Left In: 0.000+/-0.000 χ^2/NDF:130535.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2359048.0/20

All: 0.000+/-0.000 χ^2/NDF: 4310126.2/43

- sign 0.000+/-0.000 χ^2/NDF: 1854236.0/22

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: 0.031+/-0.048 χ^2/NDF:6.5/4

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

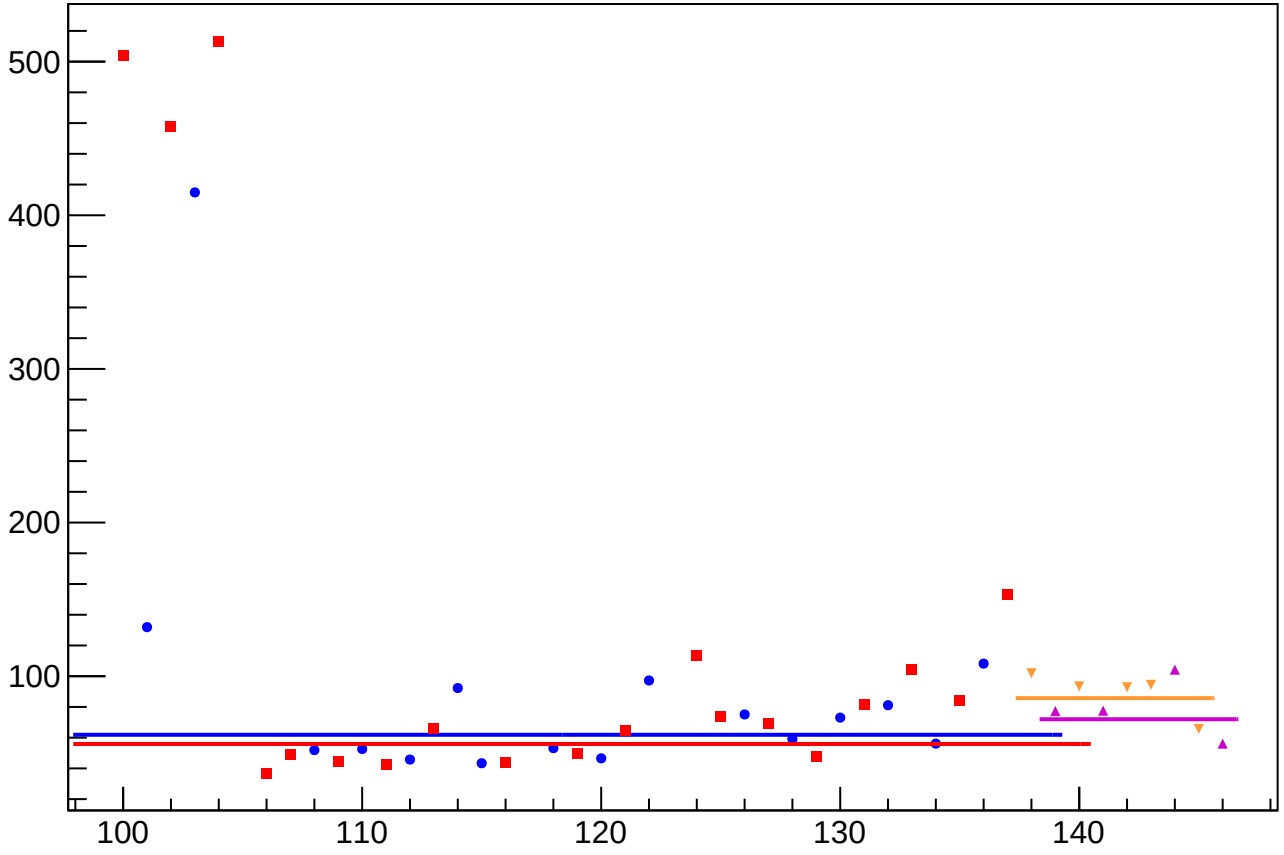
Left In: -0.008+/-0.041 χ^2/NDF:2.4/3

+ sign -0.009+/-0.023 χ^2/NDF: 19.4/20

All: 0.008+/-0.016 χ^2/NDF: 48.0/43

- sign 0.022+/-0.021 χ^2/NDF: 27.5/22

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: 85.749+/-0.034 χ^2/NDF:177372.1/4

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

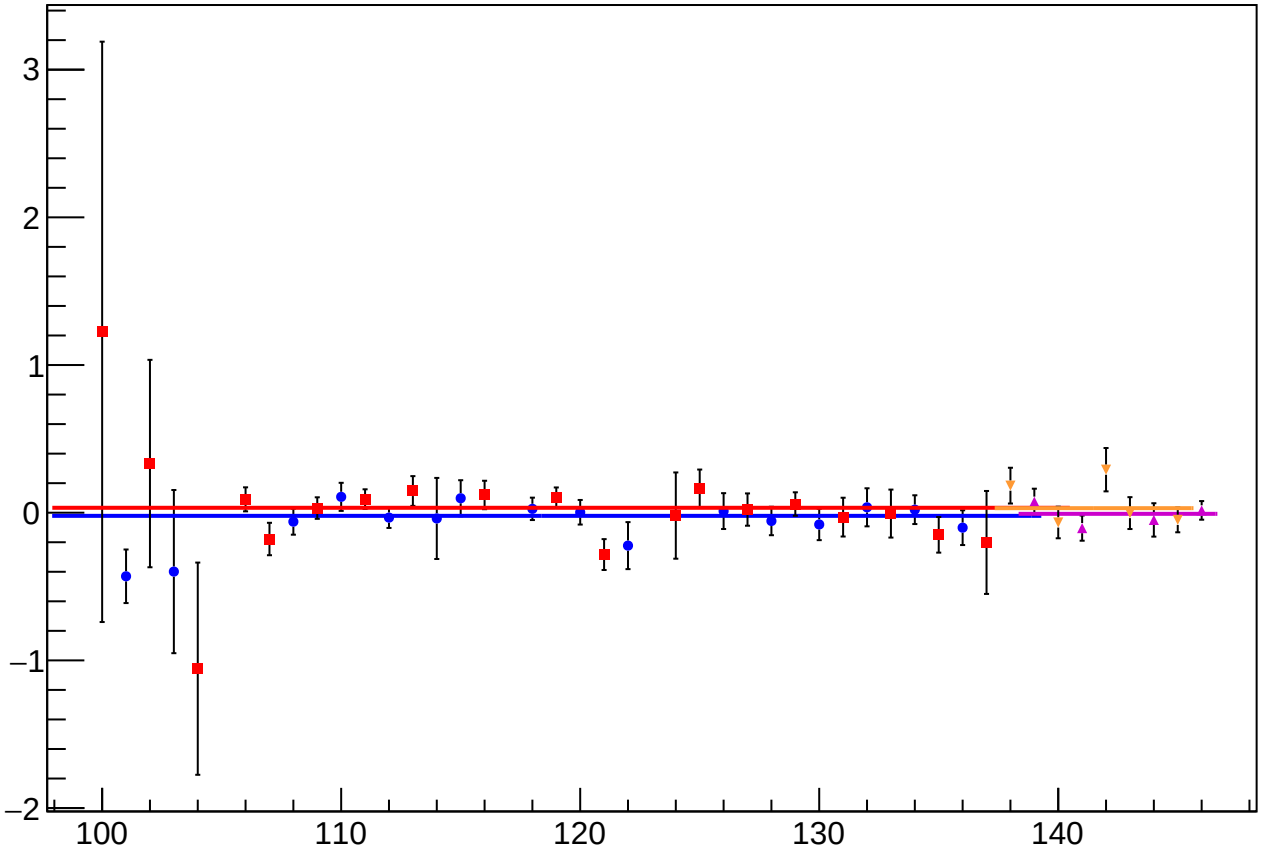
Left In: 71.989+/-0.029 χ^2/NDF:306092.7/3

+ sign 67.423+/-0.016 χ^2/NDF: 2490843.0/20

All: 63.431+/-0.011 χ^2/NDF: 5722823.8/43

- sign 60.156+/-0.015 χ^2/NDF: 3124828.1/22

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: 0.031+/-0.048 χ^2/NDF:6.5/4

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

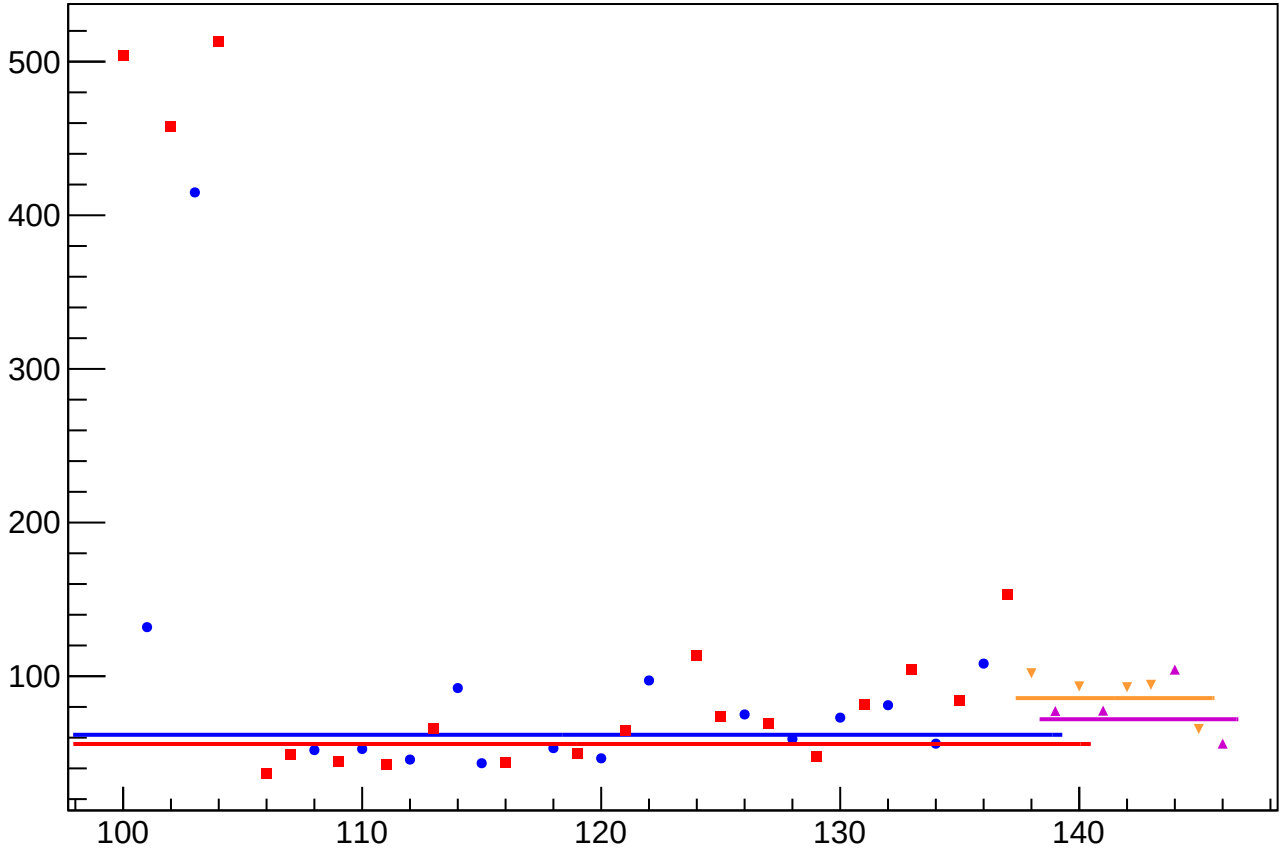
Left In: -0.008+/-0.041 χ^2/NDF:2.4/3

+ sign -0.009+/-0.023 χ^2/NDF: 19.4/20

All: 0.008+/-0.016 χ^2/NDF: 48.0/43

- sign 0.022+/-0.021 χ^2/NDF: 27.5/22

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 85.749+/-0.034 χ^2/NDF:177372.1/4

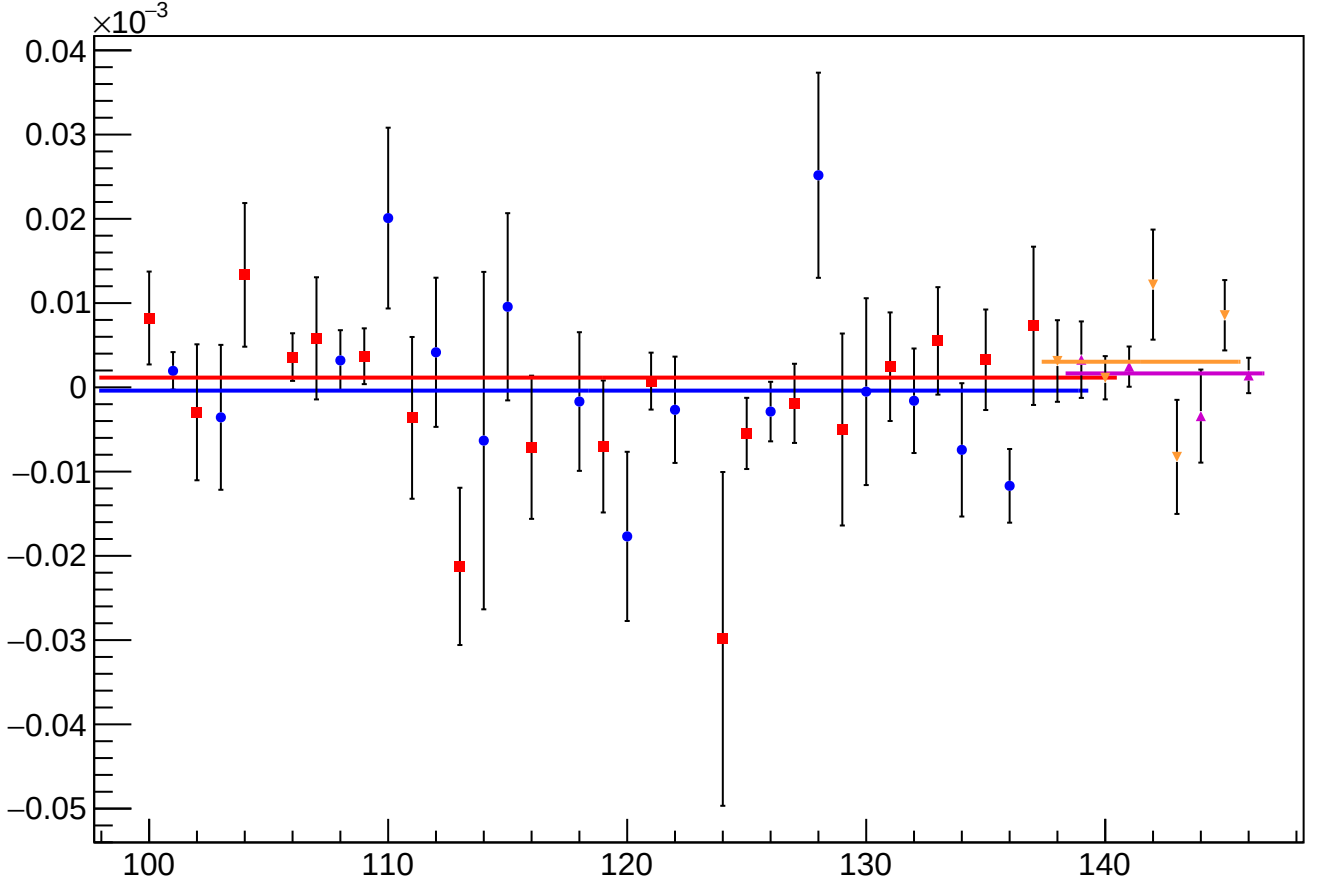
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 71.989+/-0.029 χ^2/NDF:306092.7/3

+ sign 67.423+/-0.016 χ^2/NDF: 2490843.0/20

All: 63.431+/-0.011 χ^2/NDF: 5722823.8/43

- sign 60.156+/-0.015 χ^2/NDF: 3124828.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/4

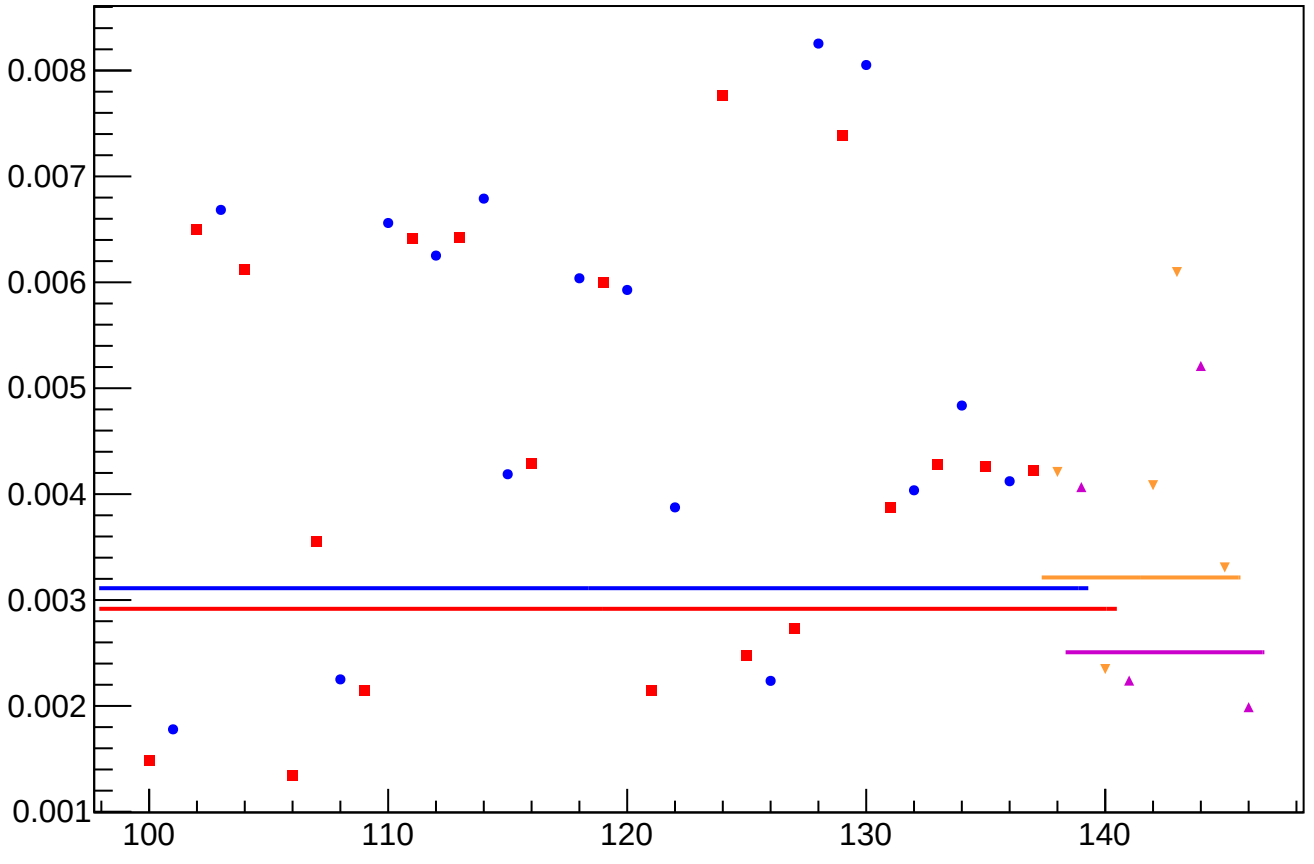
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 31.9/20

All: 0.000+/-0.000 χ^2/NDF: 53.7/43

- sign 0.000+/-0.000 χ^2/NDF: 21.6/22



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:711002.5/4

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

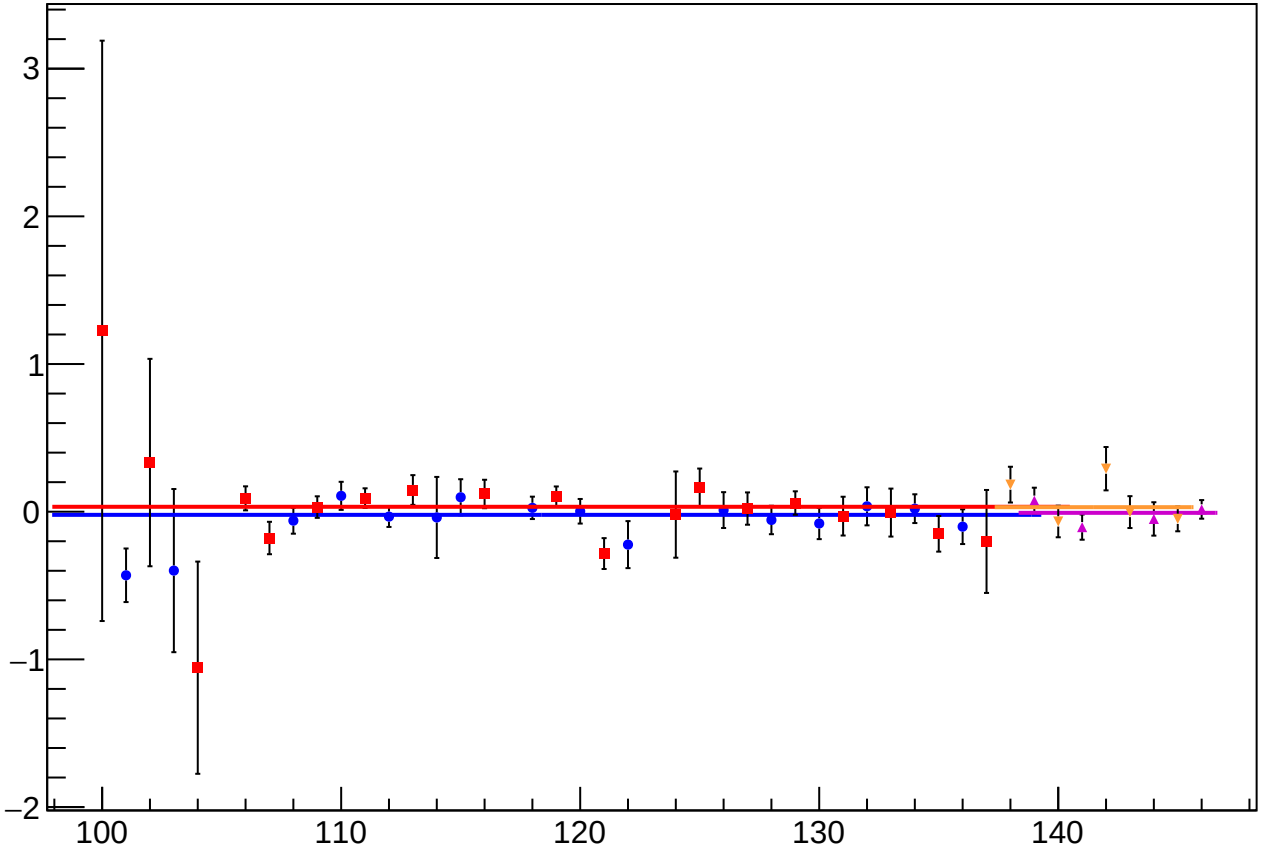
Left In: 0.003+/-0.000 χ^2/NDF:862193.8/3

+ sign 0.003+/-0.000 χ^2/NDF: 3998914.3/20

All: 0.003+/-0.000 χ^2/NDF: 8410073.8/43

- sign 0.003+/-0.000 χ^2/NDF: 4250239.8/22

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.031+/-0.048 χ^2/NDF:6.5/4

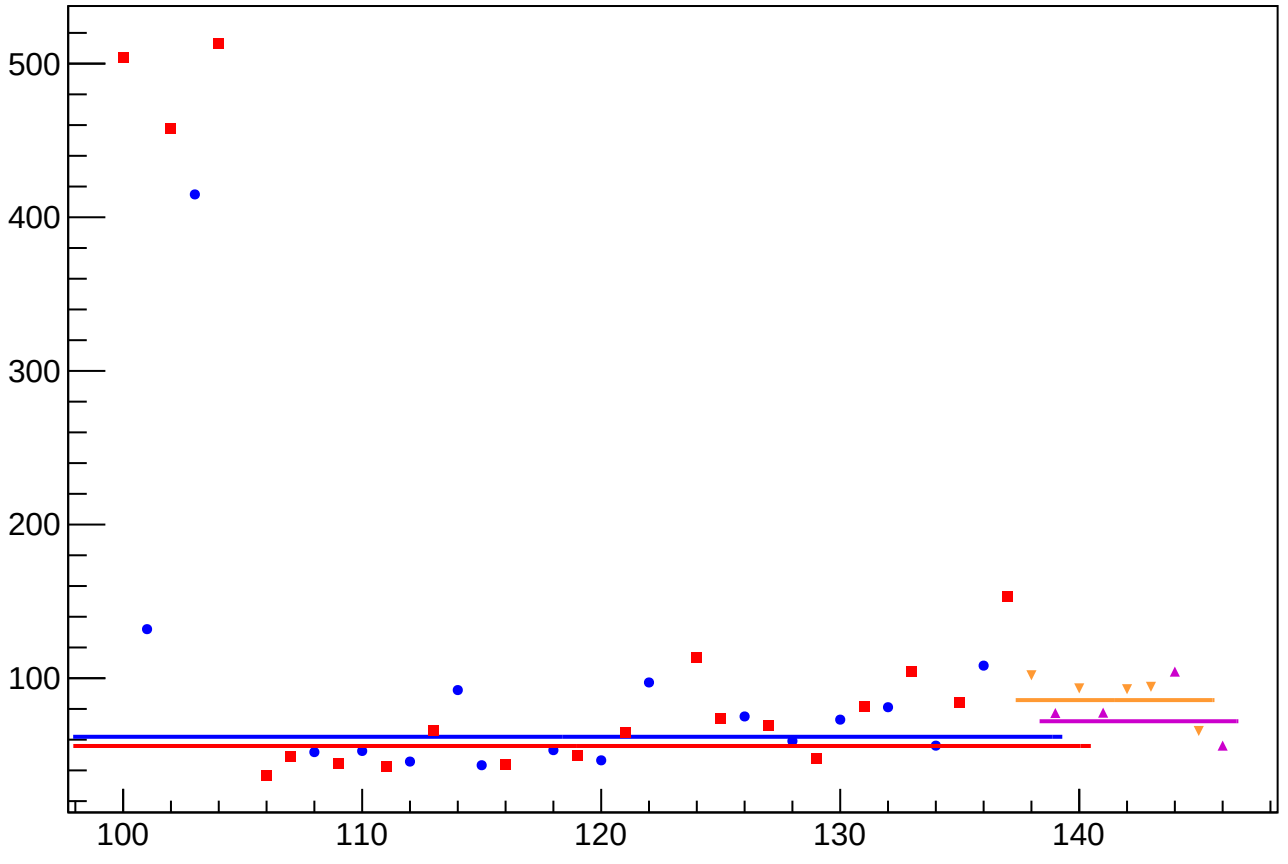
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.008+/-0.041 χ^2/NDF:2.4/3

+ sign -0.009+/-0.023 χ^2/NDF: 19.4/20

All: 0.008+/-0.016 χ^2/NDF: 48.0/43

- sign 0.022+/-0.021 χ^2/NDF: 27.5/22



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 85.749+/-0.034 χ^2/NDF:177383.1/4

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

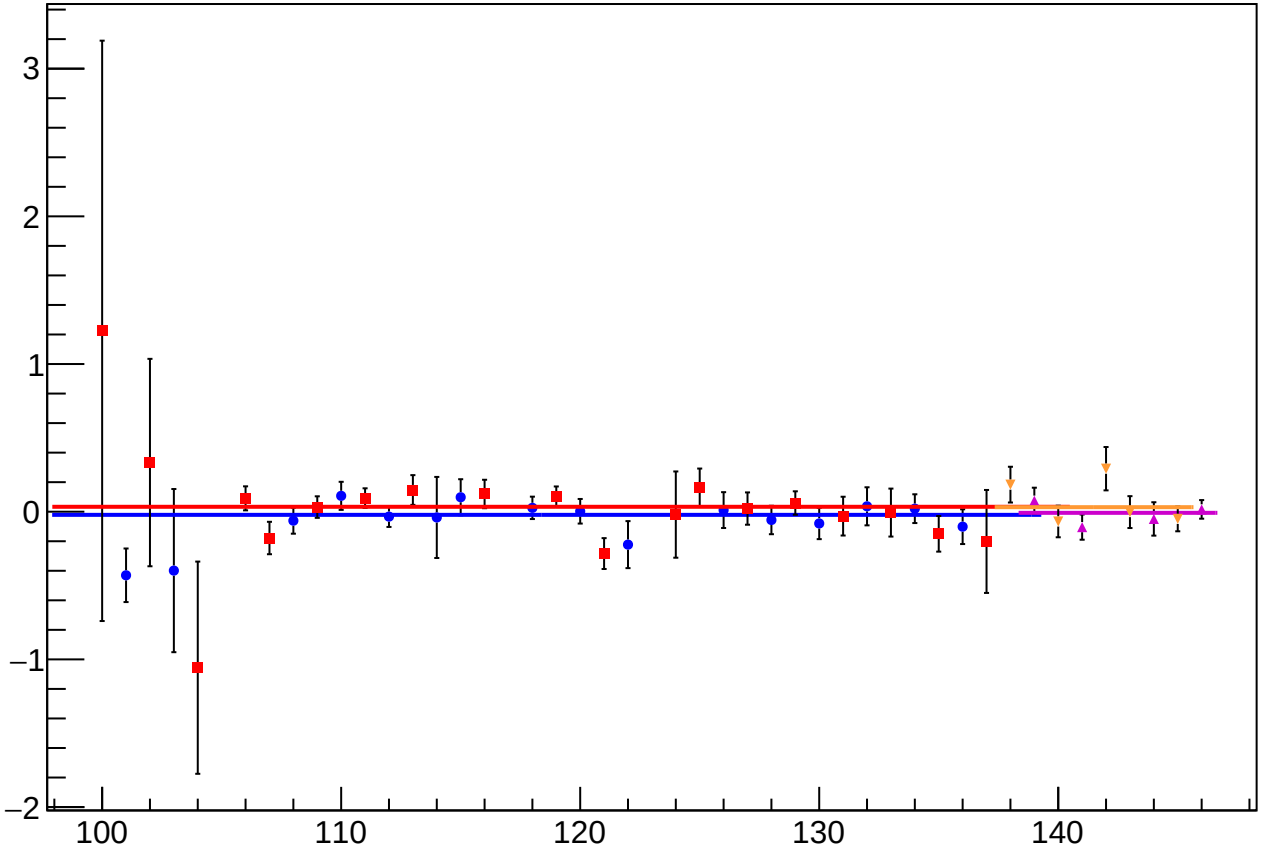
Left In: 71.989+/-0.029 χ^2/NDF:306107.0/3

+ sign 67.422+/-0.016 χ^2/NDF: 2490824.5/20

All: 63.430+/-0.011 χ^2/NDF: 5722802.8/43

- sign 60.155+/-0.015 χ^2/NDF: 3124821.0/22

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: 0.031+/-0.048 χ^2/NDF:6.5/4

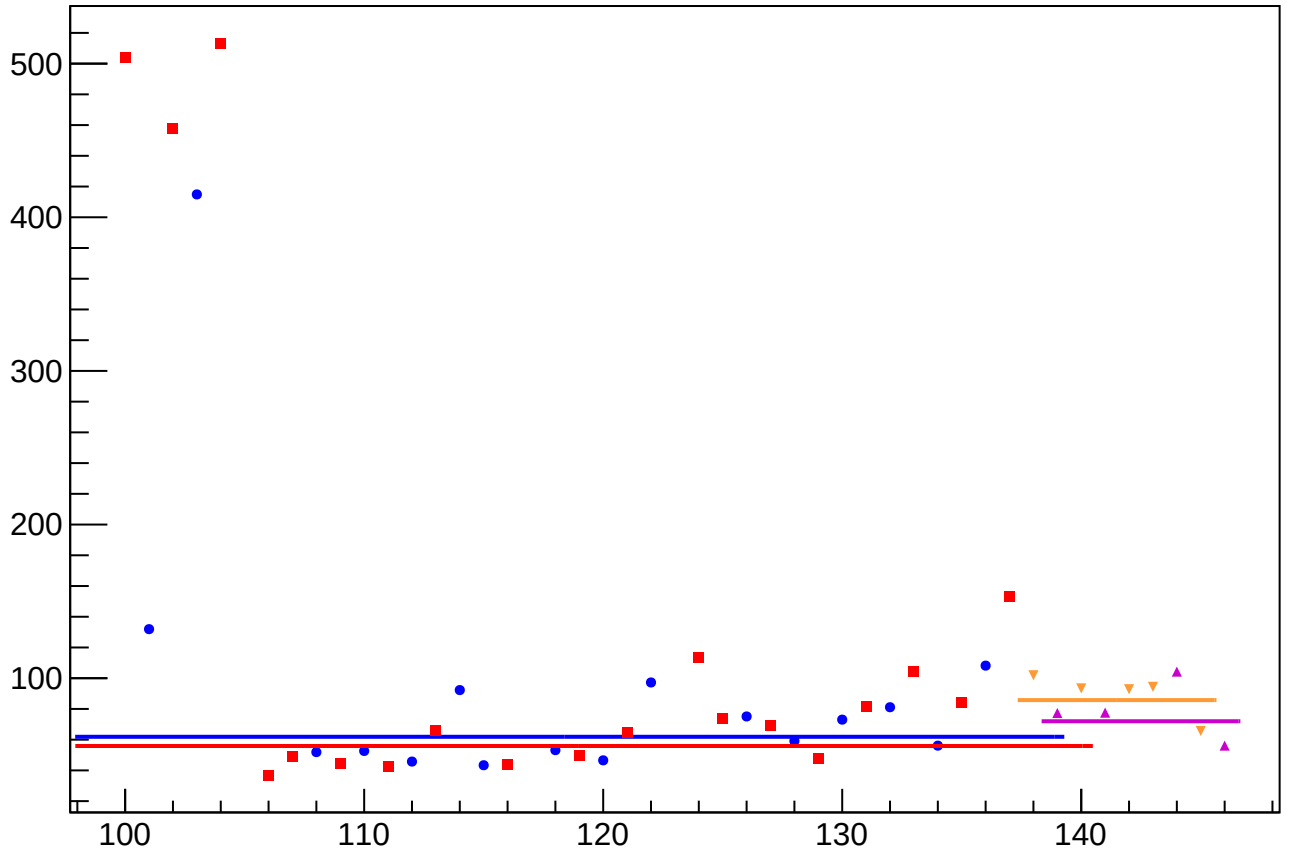
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.008+/-0.041 χ^2/NDF:2.4/3

+ sign -0.009+/-0.023 χ^2/NDF: 19.4/20

All: 0.008+/-0.016 χ^2/NDF: 48.0/43

- sign 0.022+/-0.021 χ^2/NDF: 27.5/22



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 85.749+/-0.034 χ^2/NDF:177383.1/4

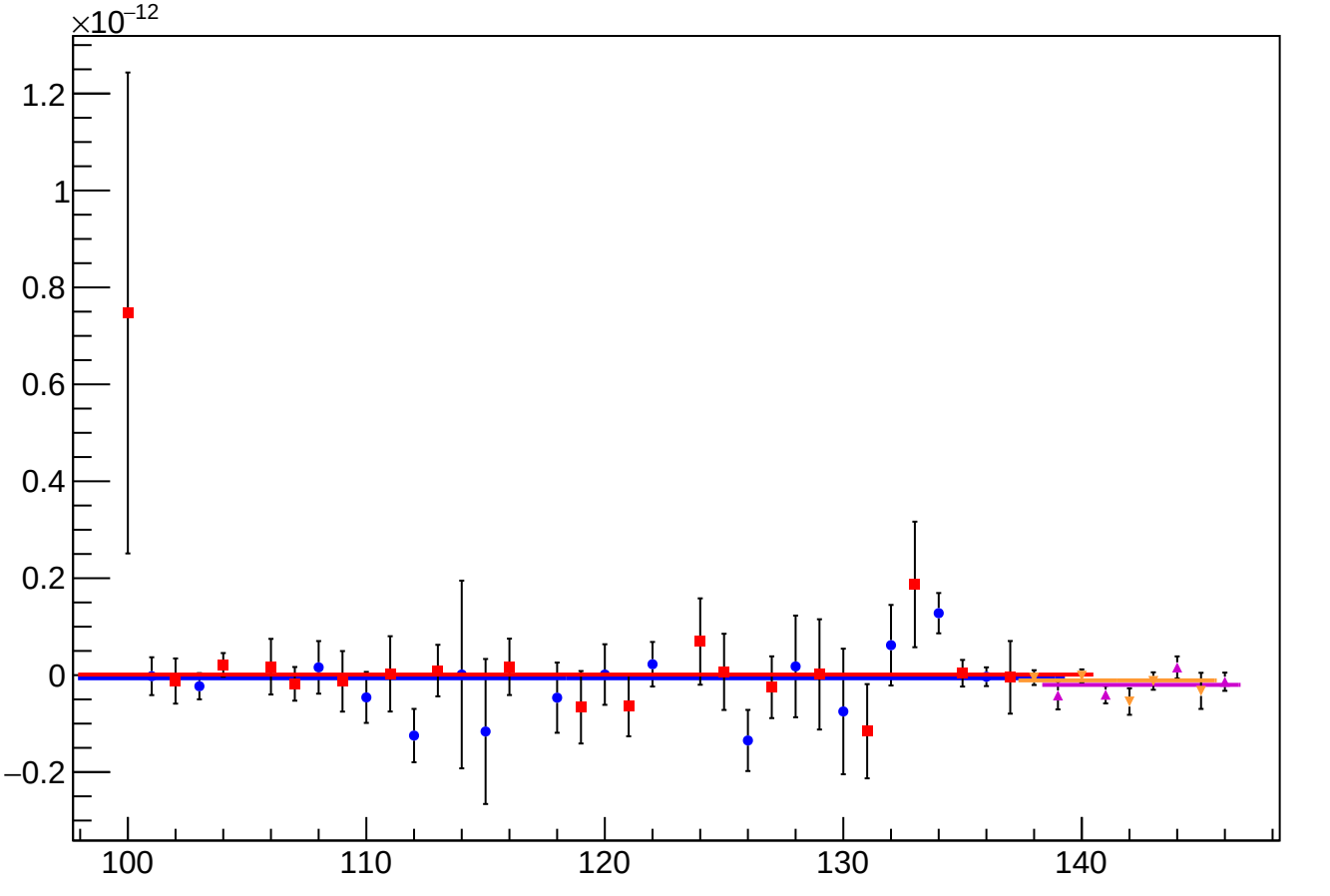
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 71.989+/-0.029 χ^2/NDF:306107.0/3

+ sign 67.422+/-0.016 χ^2/NDF: 2490824.5/20

All: 63.430+/-0.011 χ^2/NDF: 5722802.8/43

- sign 60.155+/-0.015 χ^2/NDF: 3124821.0/22



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

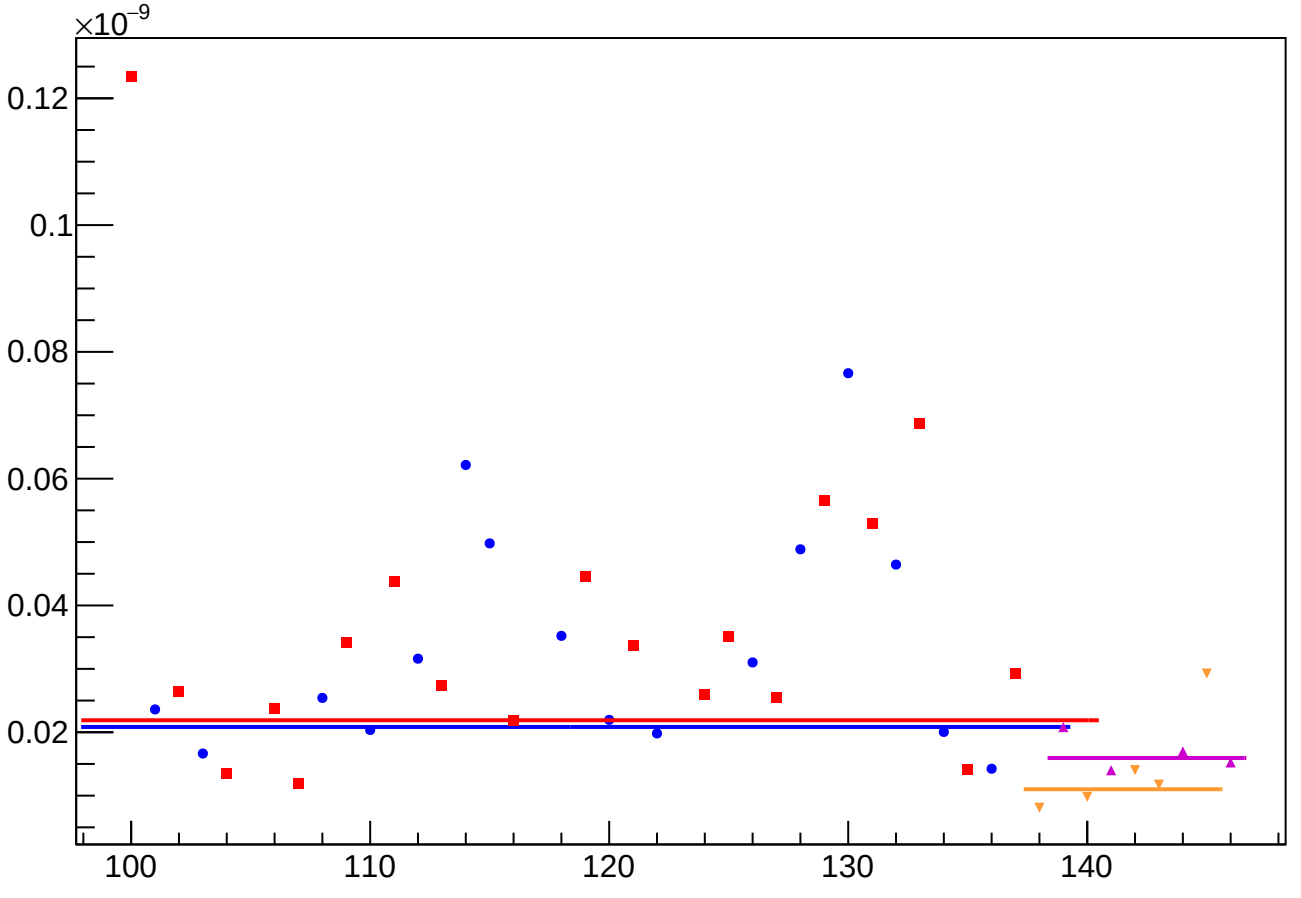
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.3/20

All: -0.000+/-0.000 χ^2/NDF: 42.2/43

- sign -0.000+/-0.000 χ^2/NDF: 15.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:596485.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

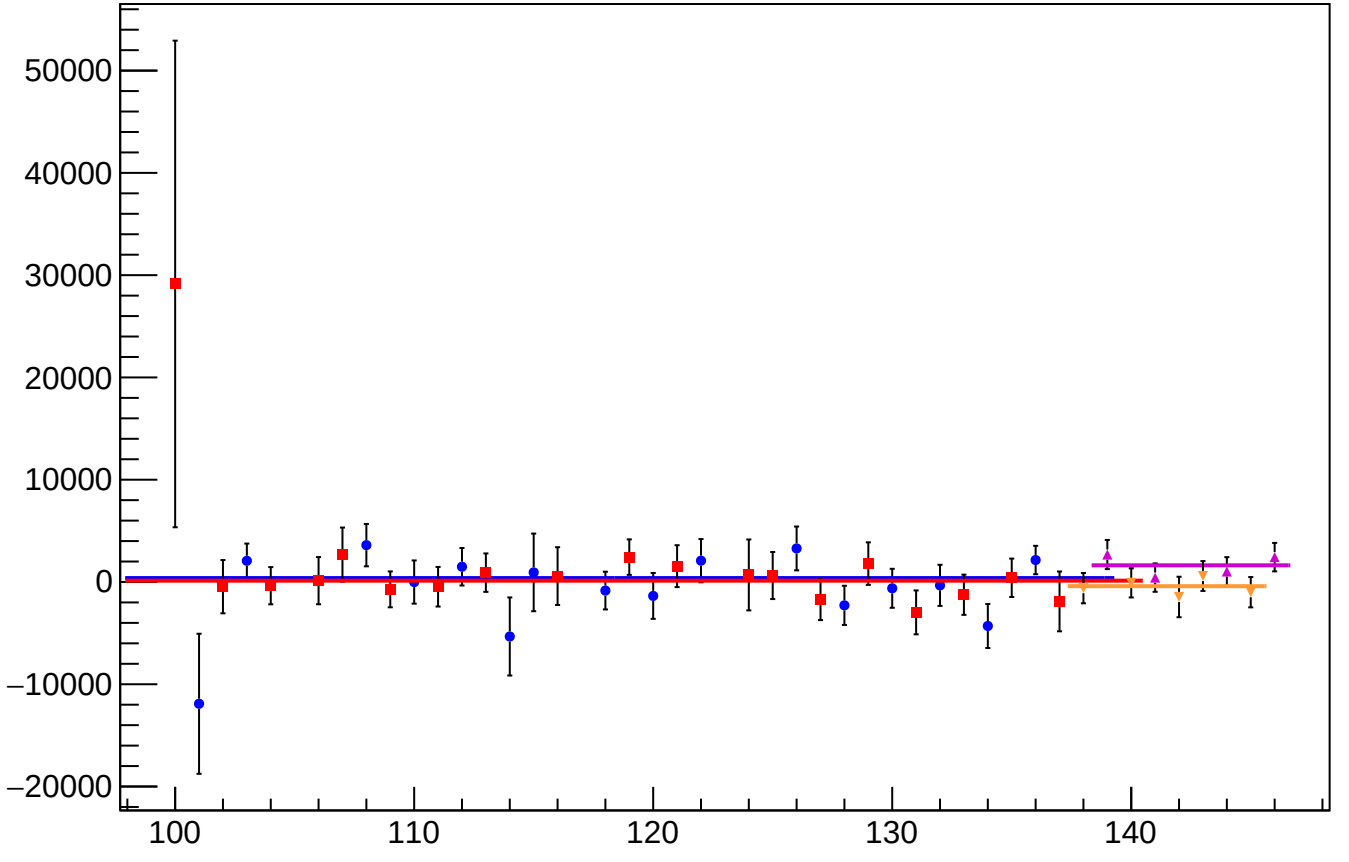
Left In: 0.000+/-0.000 χ^2/NDF:86978.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2979775.4/20

All: 0.000+/-0.000 χ^2/NDF: 5587034.0/43

- sign 0.000+/-0.000 χ^2/NDF: 2275052.3/22

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -411.123+/-685.417 χ^2/NDF:1.0/4

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

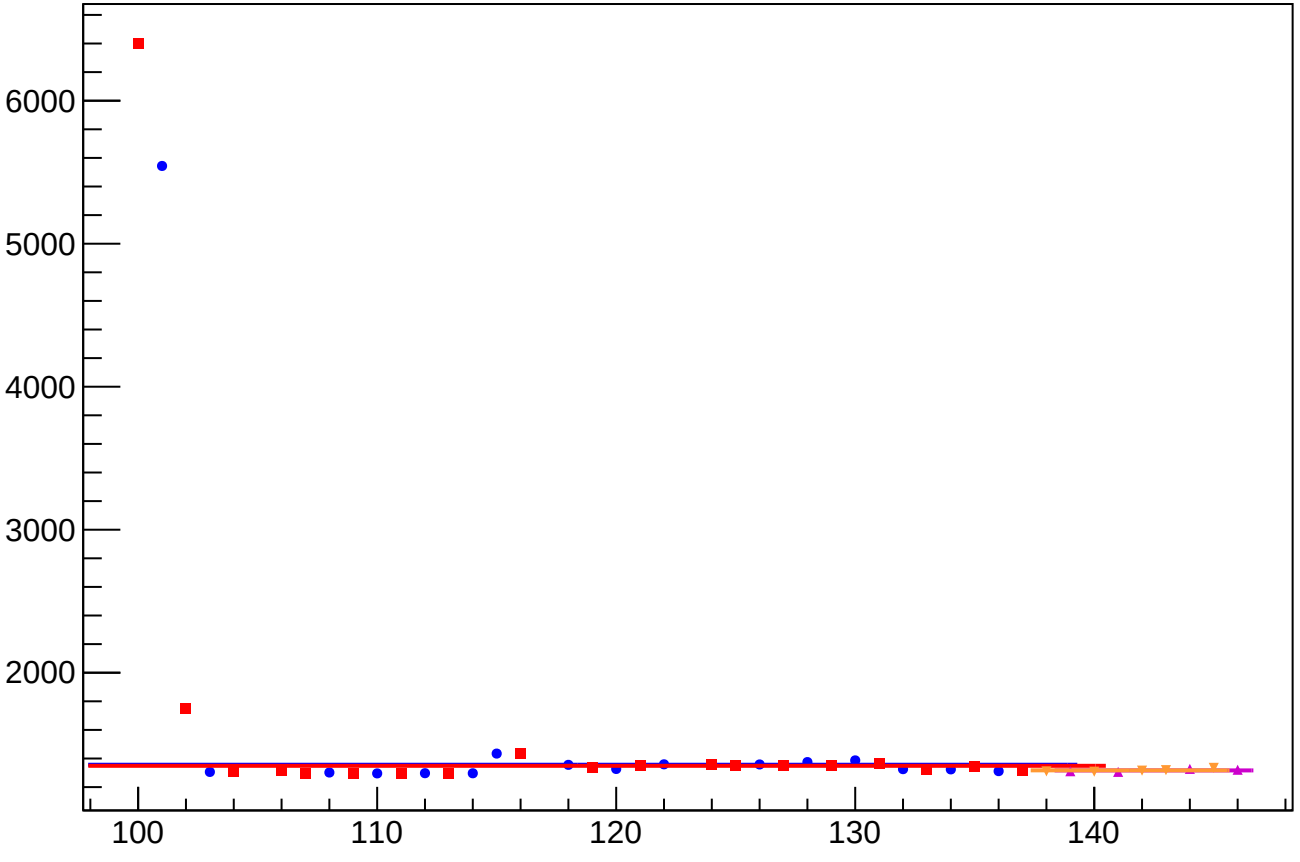
Left In: 1630.693+/-700.429 χ^2/NDF:1.8/3

+ sign 93.451+/-413.151 χ^2/NDF: 23.3/20

All: 368.744+/-290.117 χ^2/NDF: 39.0/43

- sign 636.536+/-407.483 χ^2/NDF: 14.8/22

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1317.280+/-0.485 χ^2/NDF:412.9/4

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

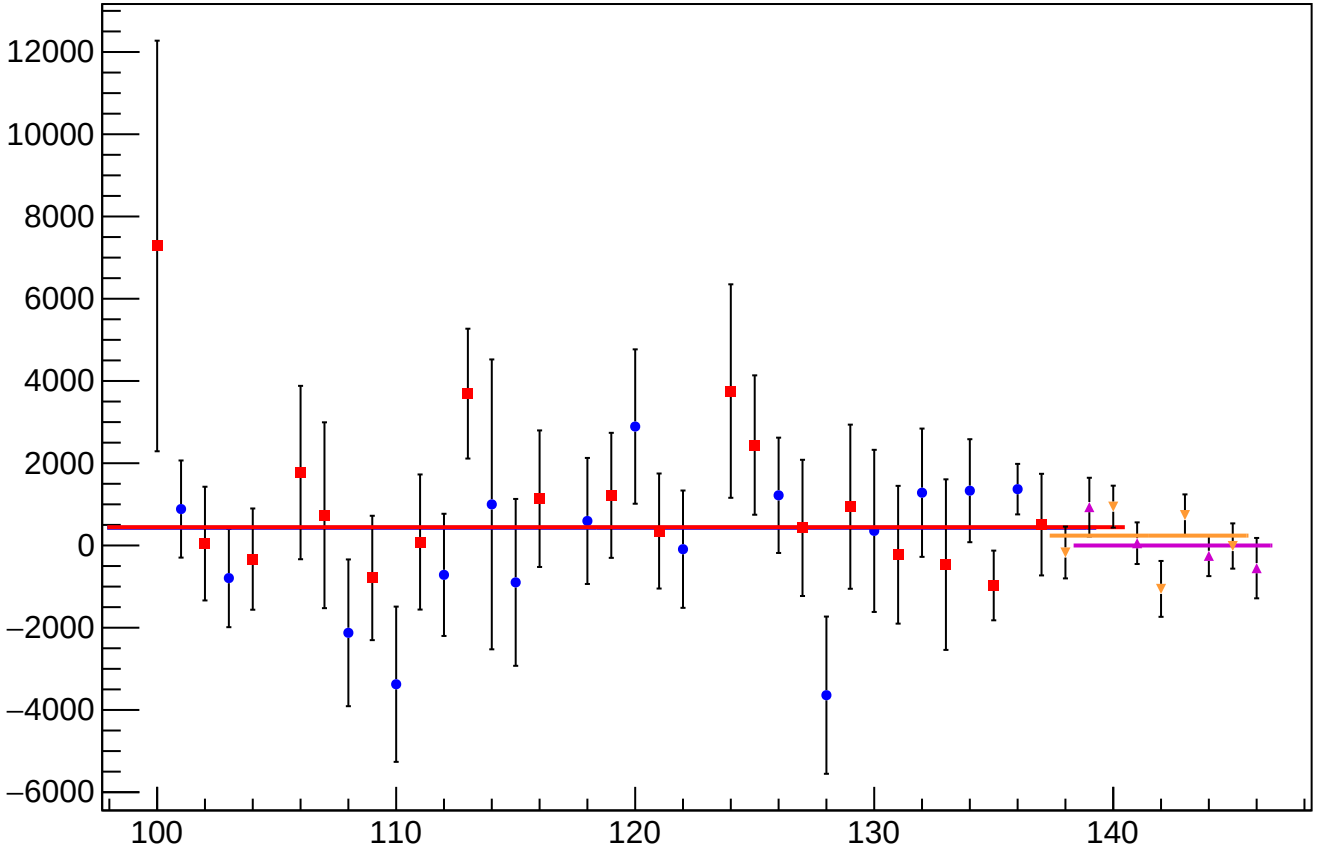
Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

+ sign 1342.184+/-0.292 χ^2/NDF: 764826.5/20

All: 1340.099+/-0.205 χ^2/NDF: 915271.5/43

- sign 1338.071+/-0.288 χ^2/NDF: 150344.5/22

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 239.487+/-251.750 χ^2/NDF:7.2/4

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

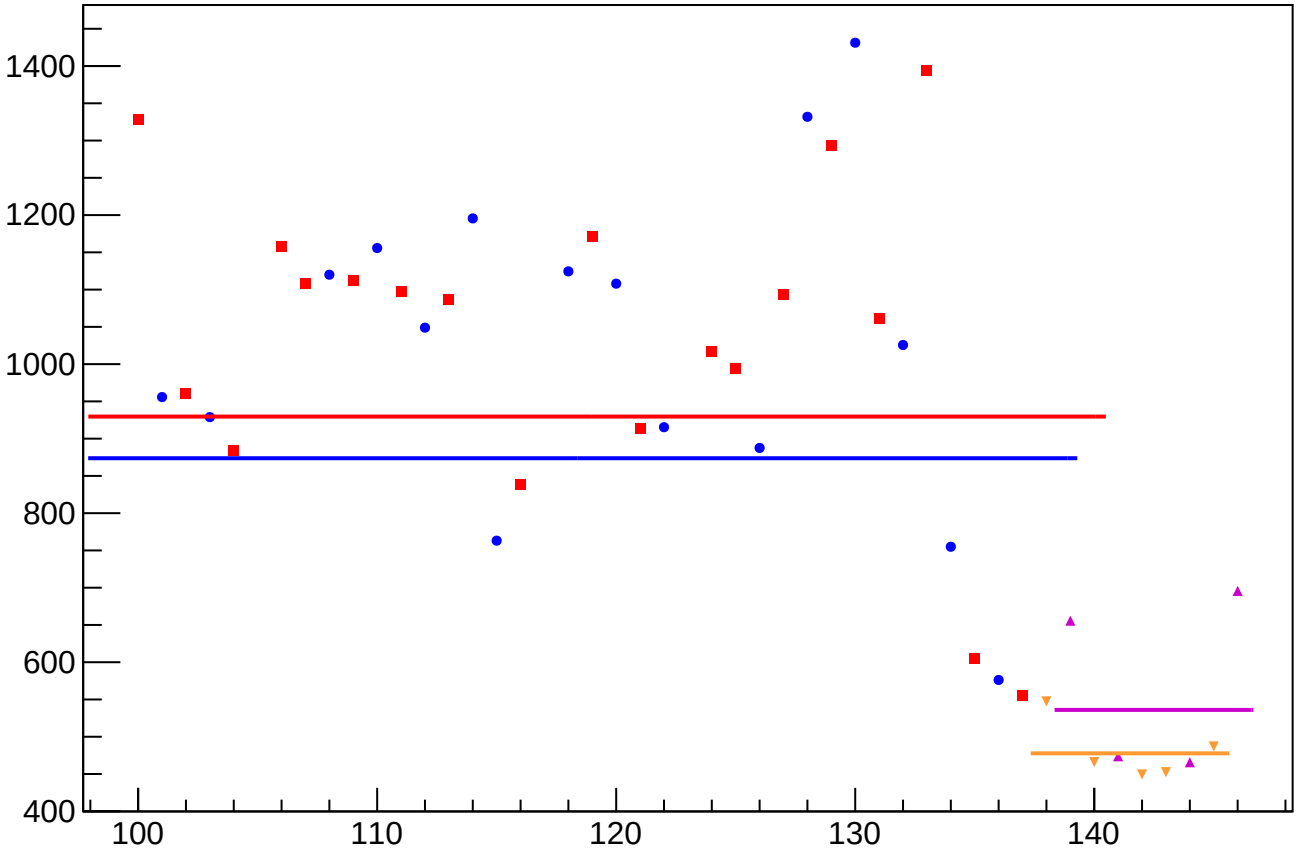
Left In: -0.691+/-290.637 χ^2/NDF:2.6/3

+ sign 307.475+/-201.998 χ^2/NDF: 25.6/20

All: 249.535+/-150.321 χ^2/NDF: 43.7/43

- sign 177.625+/-225.035 χ^2/NDF: 17.9/22

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 477.731+/-0.178 χ^2/NDF:34680.1/4

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

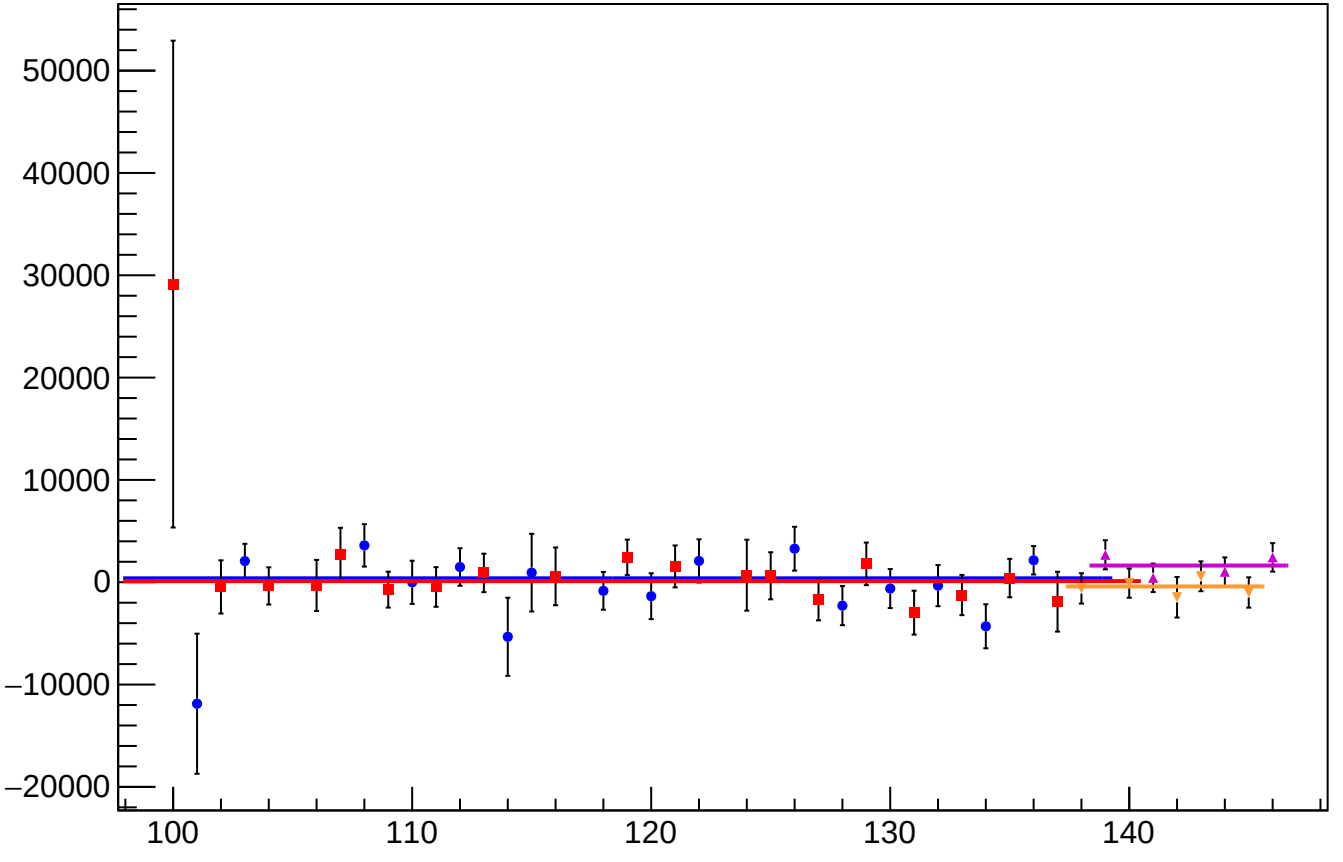
Left In: 536.018+/-0.206 χ^2/NDF:221824.0/3

+ sign 618.783+/-0.143 χ^2/NDF: 2812199.5/20

All: 652.193+/-0.106 χ^2/NDF: 5485734.4/43

- sign 693.658+/-0.159 χ^2/NDF: 2550918.8/22

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -411.299+/-685.417 χ^2/NDF:1.0/4

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

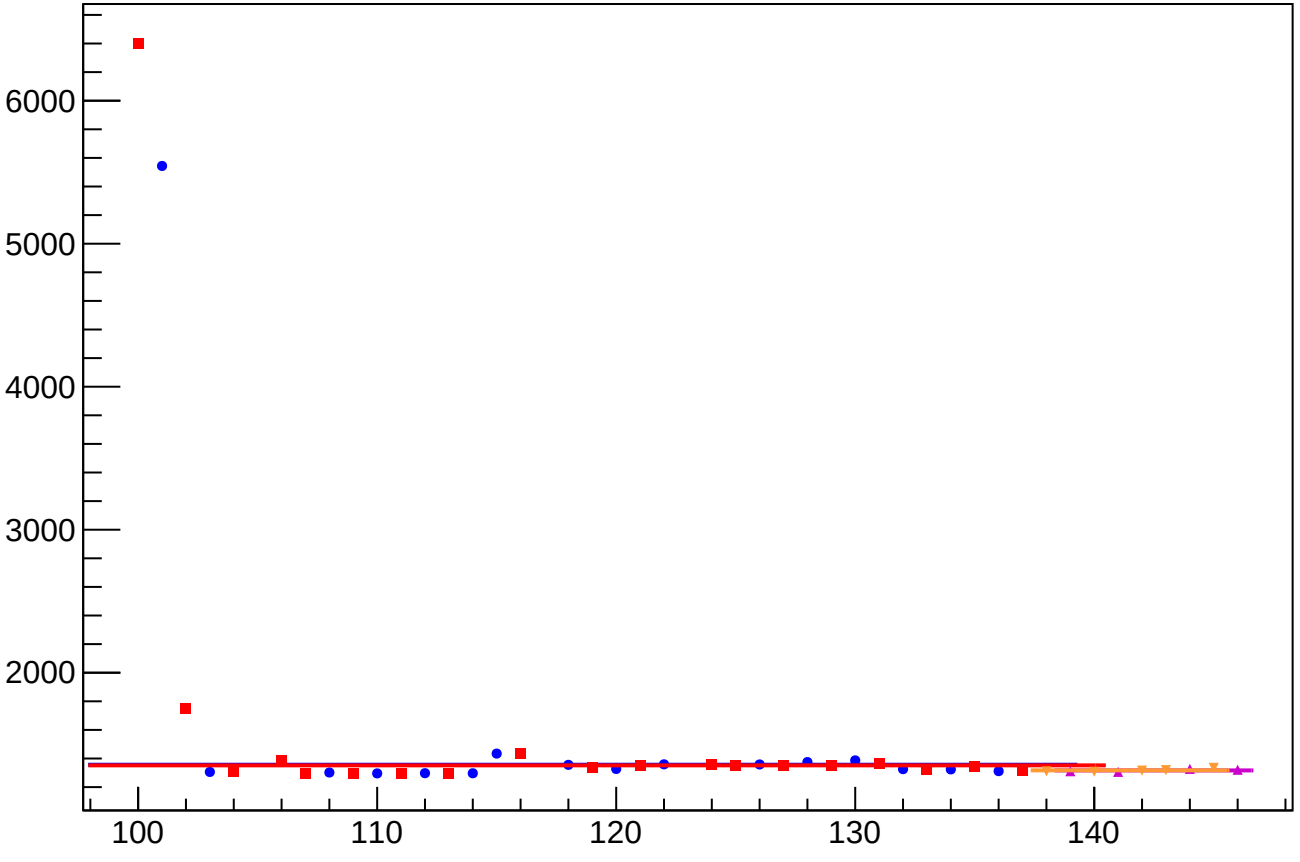
Left In: 1630.756+/-700.429 χ^2/NDF:1.8/3

+ sign 93.583+/-413.151 χ^2/NDF: 23.3/20

All: 363.478+/-290.448 χ^2/NDF: 39.1/43

- sign 627.204+/-408.402 χ^2/NDF: 14.9/22

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1317.280+/-0.485 χ^2/NDF:412.9/4

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

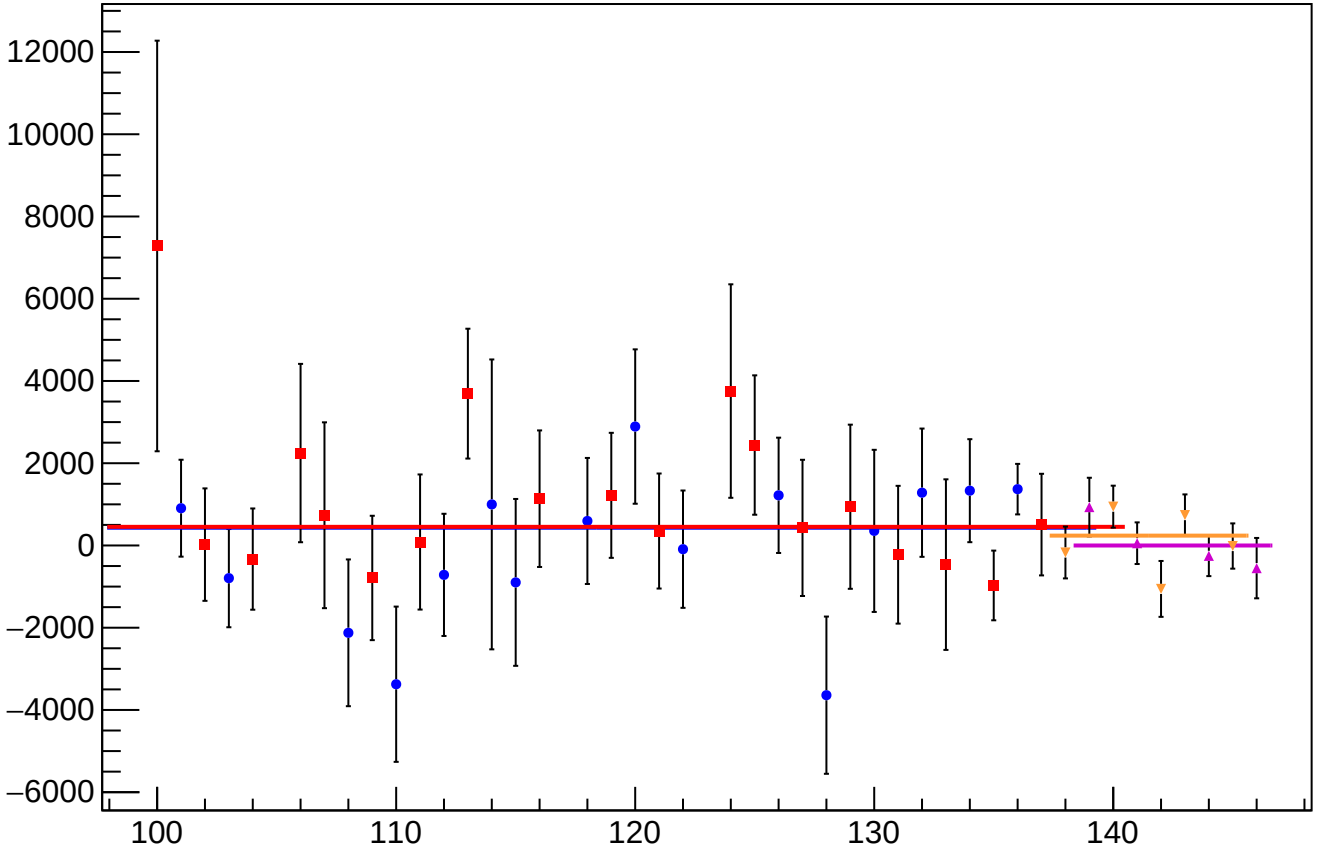
Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

+ sign 1342.184+/-0.292 χ^2/NDF: 764825.6/20

All: 1341.117+/-0.205 χ^2/NDF: 915815.9/43

- sign 1340.074+/-0.289 χ^2/NDF: 150963.9/22

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 239.336+/-251.752 χ^2/NDF:7.2/4

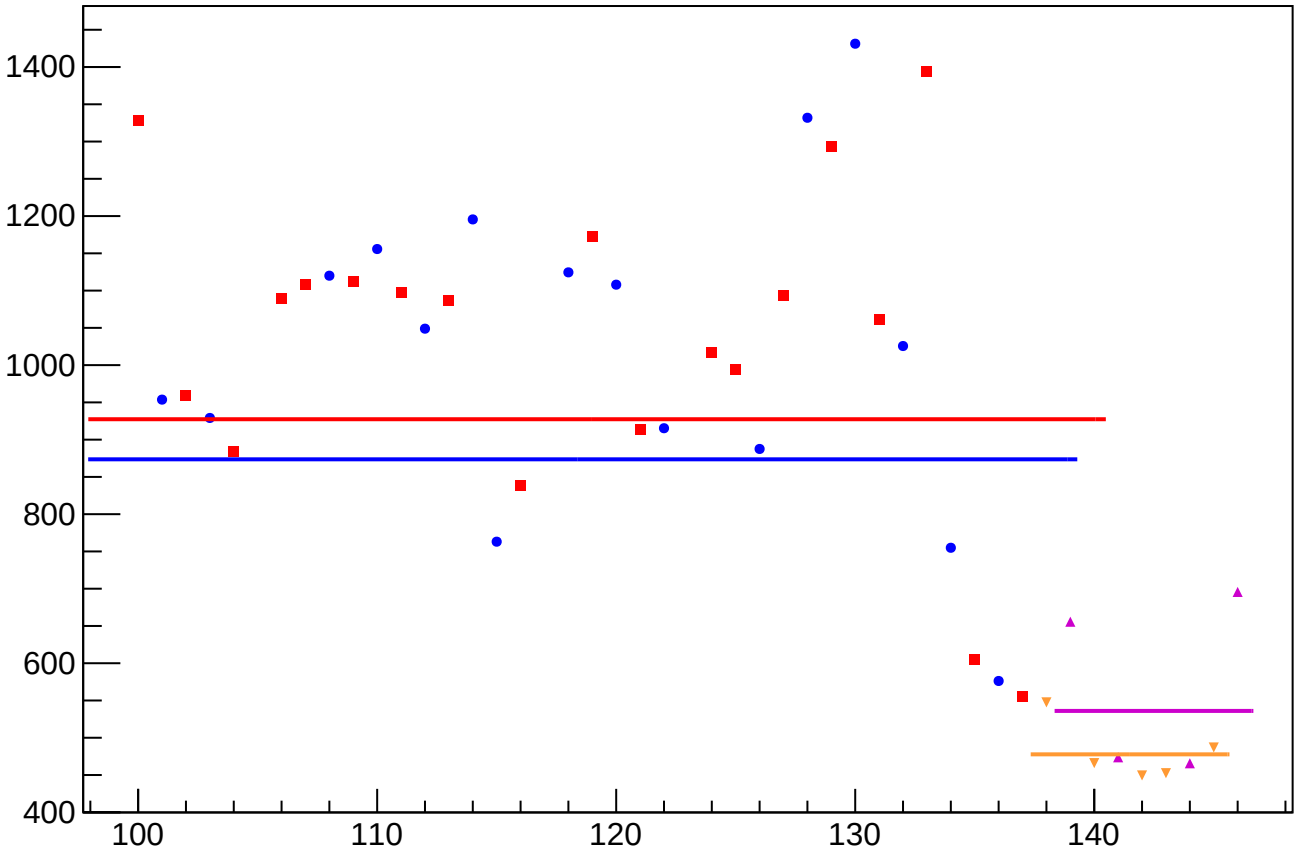
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -0.677+/-290.631 χ^2/NDF:2.6/3

+ sign 308.025+/-201.987 χ^2/NDF: 25.6/20

All: 251.359+/-150.316 χ^2/NDF: 44.0/43

- sign 181.024+/-225.033 χ^2/NDF: 18.2/22



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 477.735+/-0.178 χ^2/NDF:34684.1/4

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

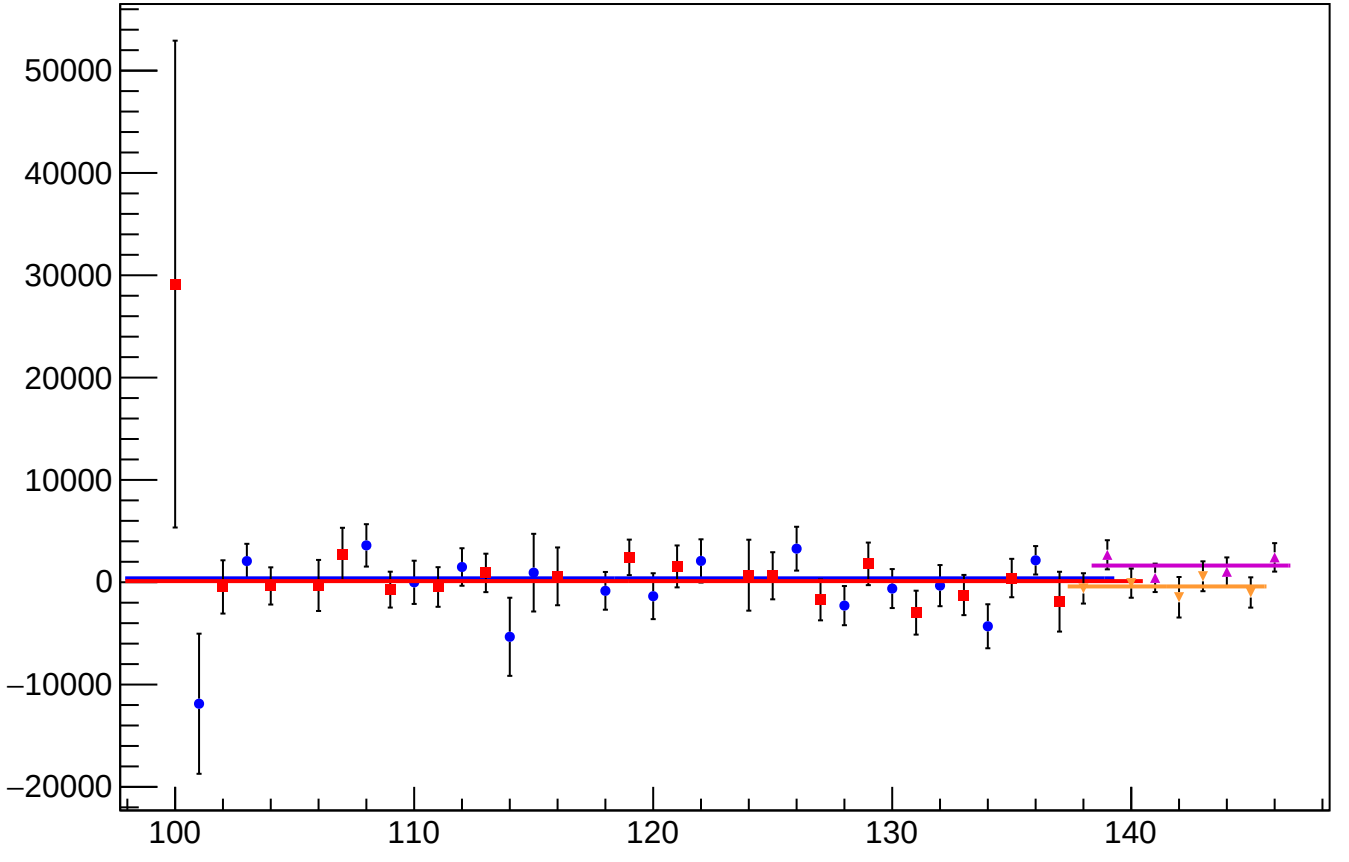
Left In: 536.007+/-0.206 χ^2/NDF:221833.0/3

\+ sign 618.773+/-0.143 χ^2/NDF: 2810955.3/20

All: 651.781+/-0.106 χ^2/NDF: 5452525.3/43

\- sign 692.752+/-0.159 χ^2/NDF: 2521863.6/22

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -411.299+/-685.417 χ^2/NDF:1.0/4

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

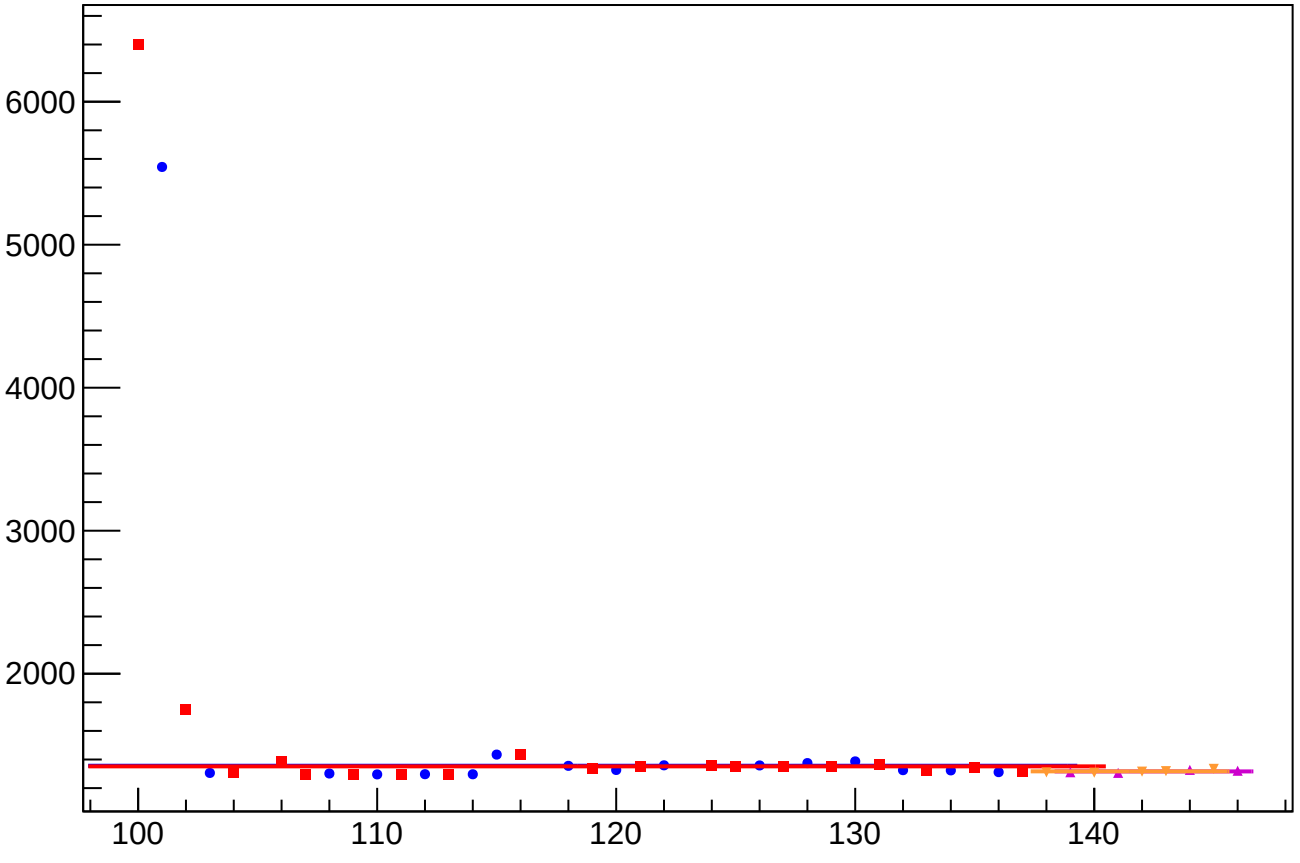
Left In: 1630.756+/-700.429 χ^2/NDF:1.8/3

+ sign 93.583+/-413.151 χ^2/NDF: 23.3/20

All: 363.478+/-290.448 χ^2/NDF: 39.1/43

- sign 627.204+/-408.402 χ^2/NDF: 14.9/22

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1317.280+/-0.485 χ^2/NDF:412.9/4

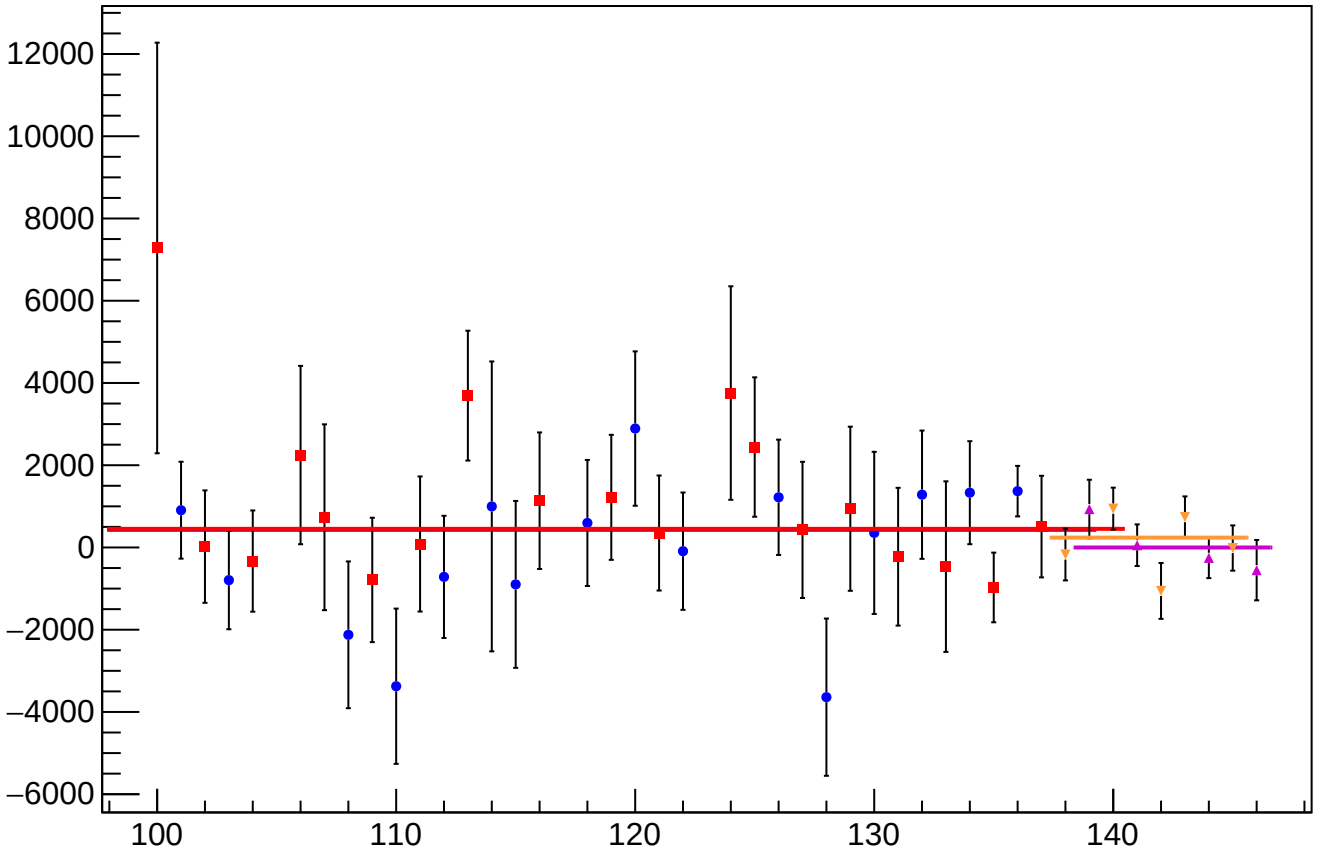
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

+ sign 1342.184+/-0.292 χ^2/NDF: 764825.6/20

All: 1341.117+/-0.205 χ^2/NDF: 915815.9/43

- sign 1340.074+/-0.289 χ^2/NDF: 150963.9/22



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 239.336+/-251.752 χ^2/NDF:7.2/4

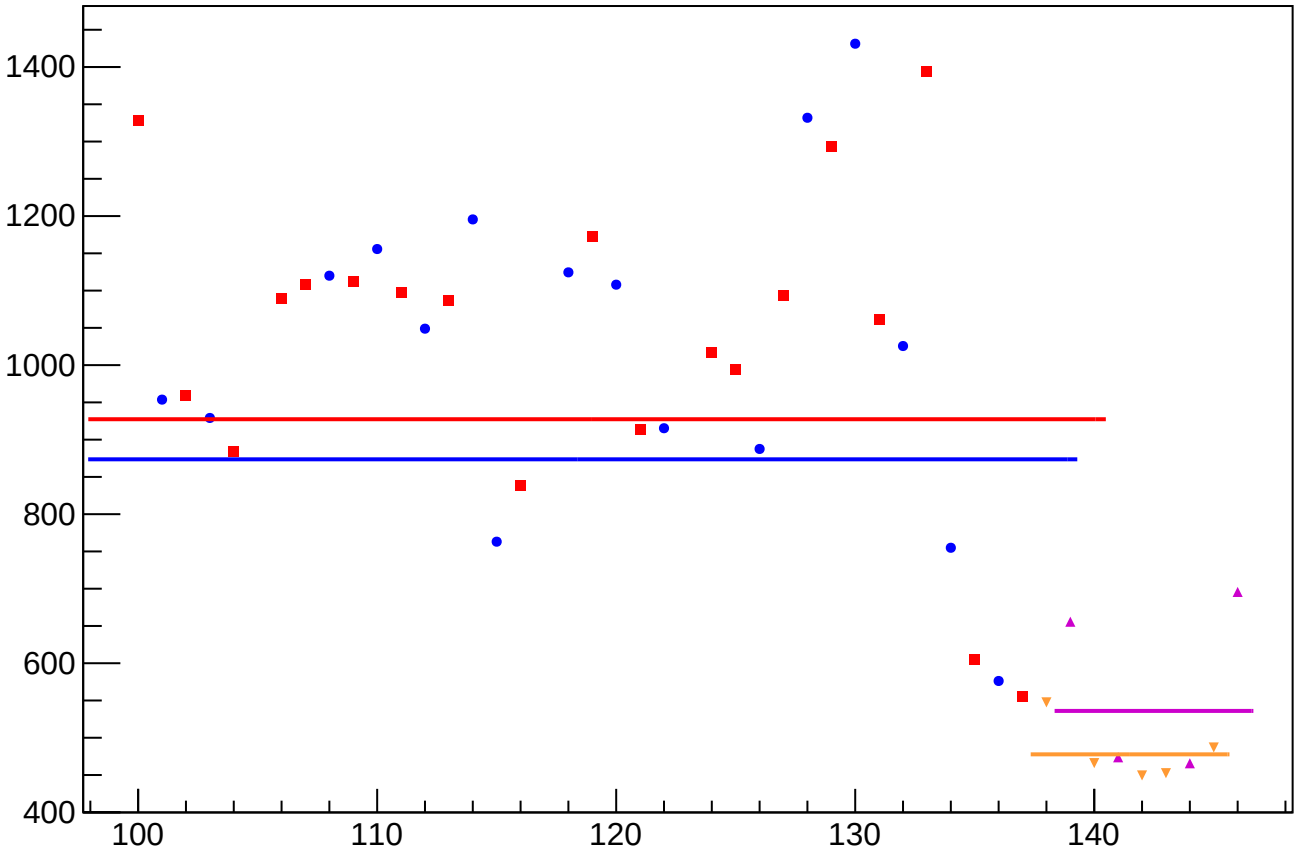
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -0.677+/-290.631 χ^2/NDF:2.6/3

\+ sign 308.025+/-201.987 χ^2/NDF: 25.6/20

All: 251.359+/-150.316 χ^2/NDF: 44.0/43

\- sign 181.024+/-225.033 χ^2/NDF: 18.2/22



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 477.735+/-0.178 χ^2/NDF:34684.1/4

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

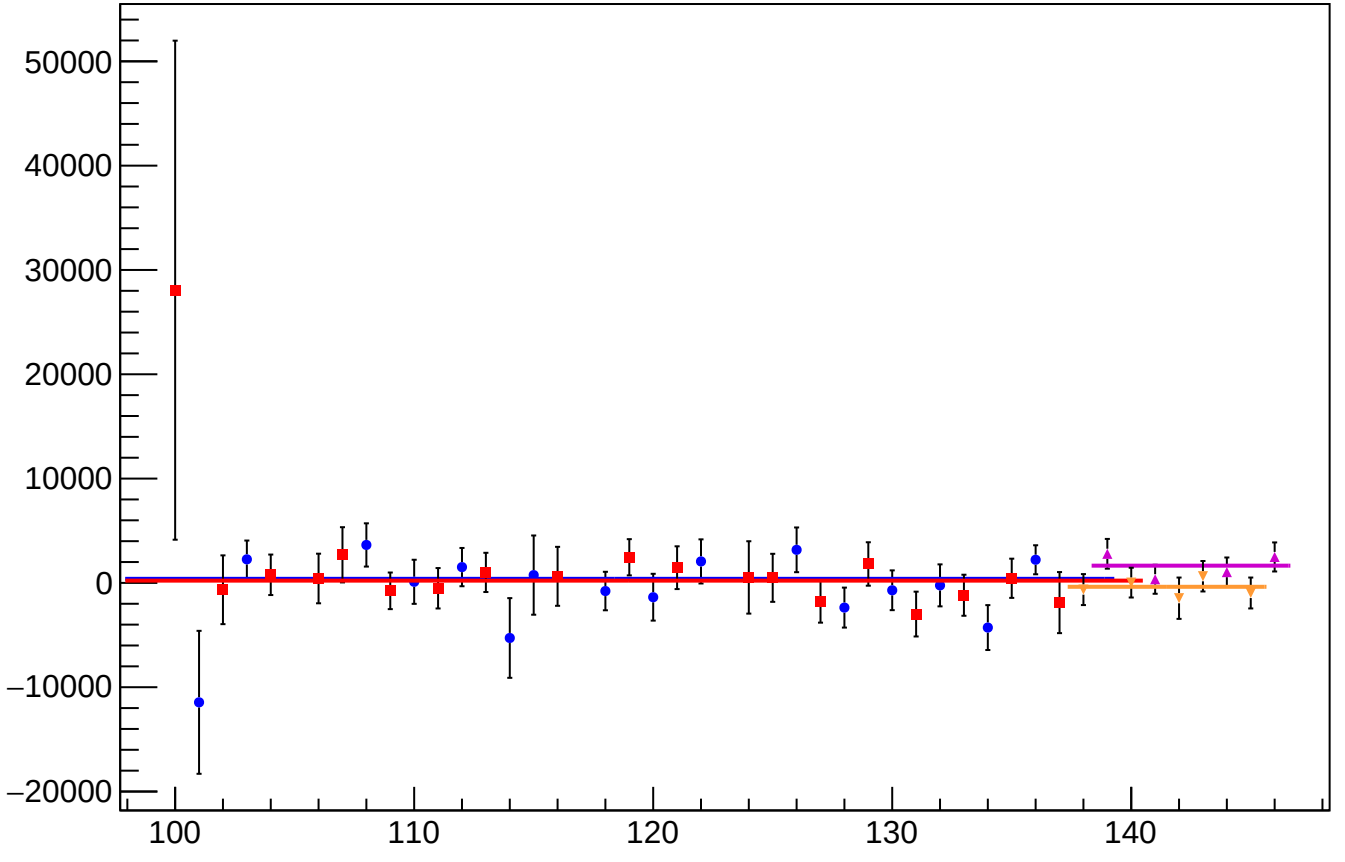
Left In: 536.007+/-0.206 χ^2/NDF:221833.0/3

\+ sign 618.773+/-0.143 χ^2/NDF: 2810955.3/20

All: 651.781+/-0.106 χ^2/NDF: 5452525.3/43

\- sign 692.752+/-0.159 χ^2/NDF: 2521863.6/22

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -373.437+/-685.886 χ^2/NDF:1.1/4

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

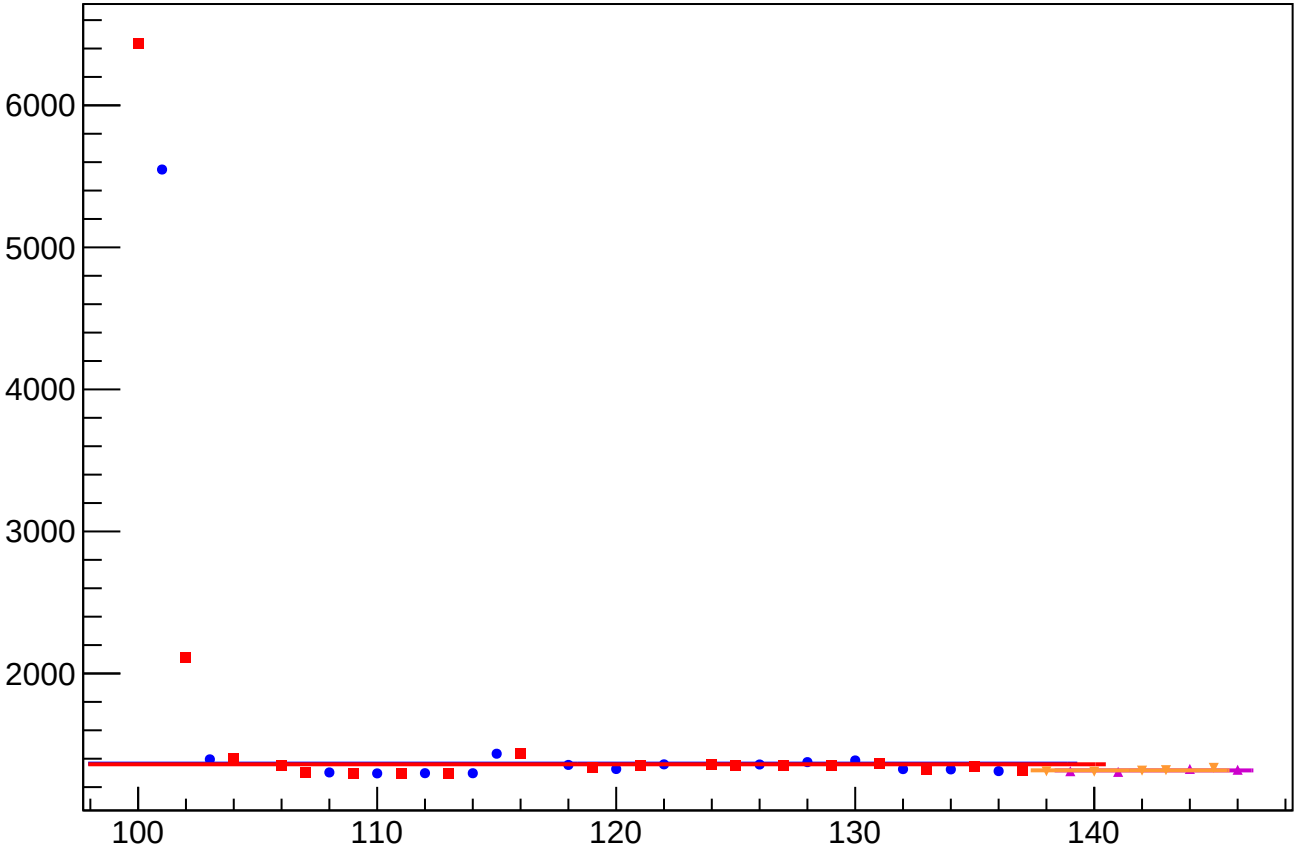
Left In: 1652.508+/-700.881 χ^2/NDF:2.1/3

+ sign 110.532+/-414.960 χ^2/NDF: 23.2/20

All: 413.985+/-292.112 χ^2/NDF: 39.1/43

- sign 712.084+/-411.282 χ^2/NDF: 14.8/22

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.182+/-0.485 χ^2/NDF:399.4/4

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

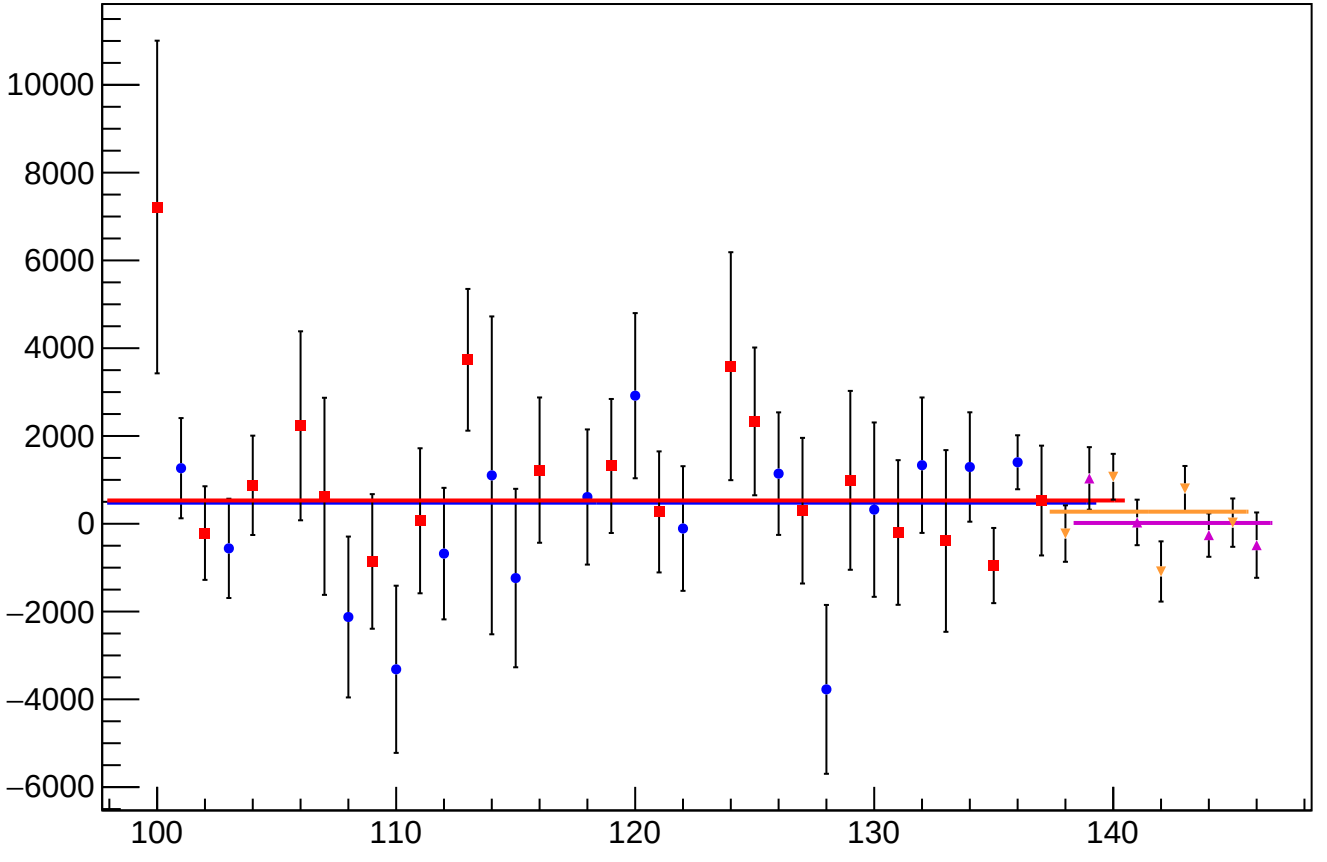
Left In: 1317.608+/-0.496 χ^2/NDF:275.1/3

+ sign 1348.055+/-0.293 χ^2/NDF: 765328.4/20

All: 1346.972+/-0.207 χ^2/NDF: 975919.1/43

- sign 1345.908+/-0.291 χ^2/NDF: 210563.7/22

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 275.487+/-255.637 χ^2/NDF:8.1/4

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

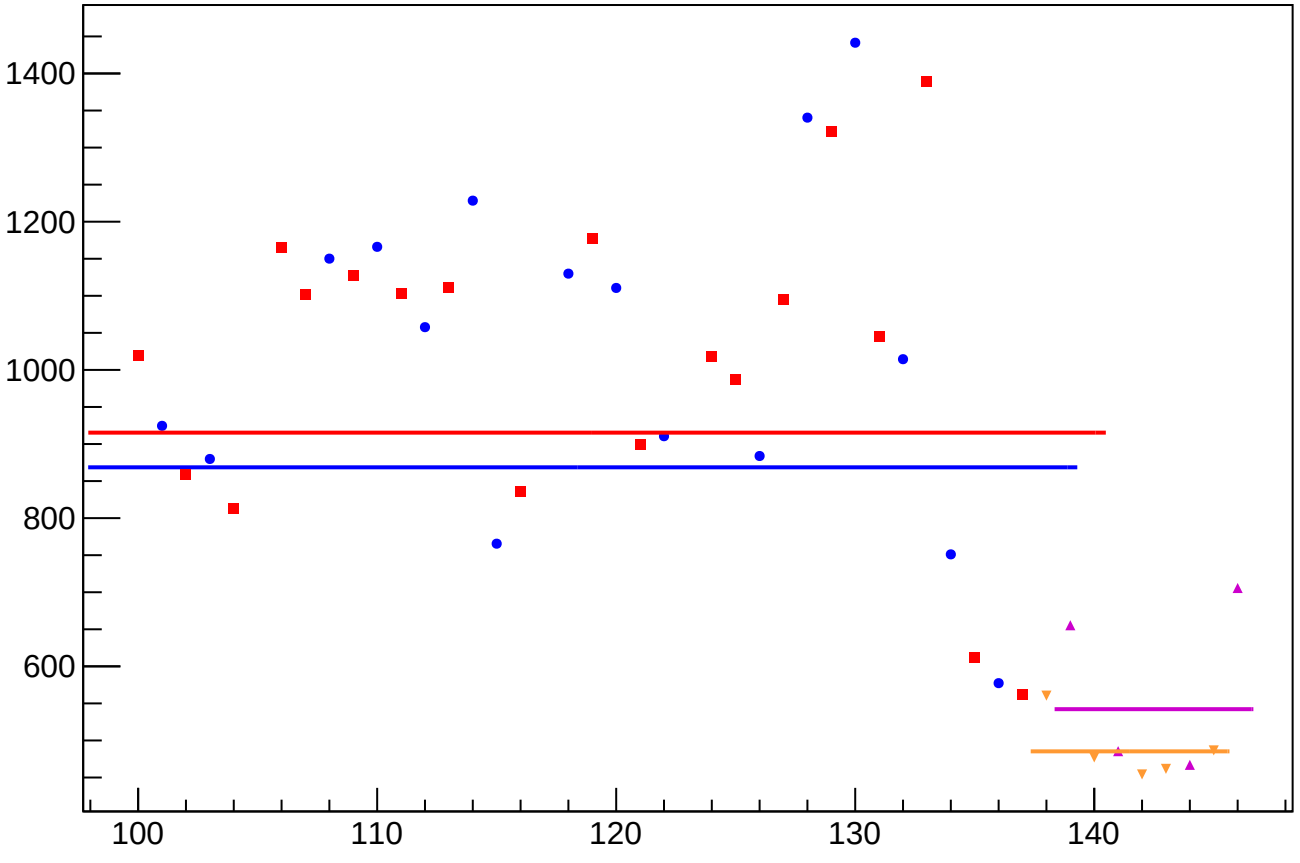
Left In: 18.352+/-293.799 χ^2/NDF:2.8/3

+ sign 350.468+/-203.563 χ^2/NDF: 27.0/20

All: 297.265+/-150.643 χ^2/NDF: 46.8/43

- sign 232.854+/-223.981 χ^2/NDF: 19.7/22

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 485.297+/-0.181 χ^2/NDF:36190.3/4

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

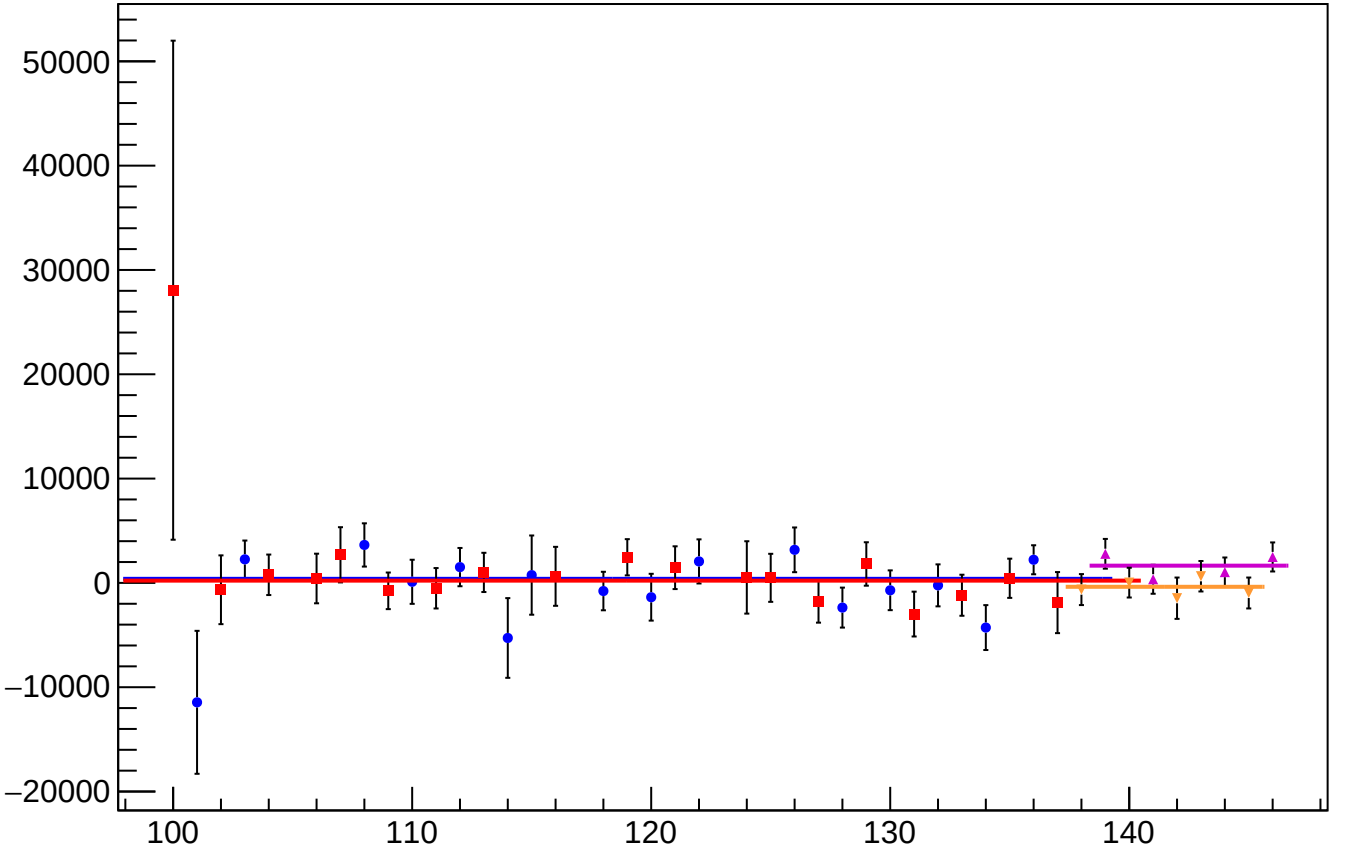
Left In: 542.224+/-0.208 χ^2/NDF:217042.9/3

+ sign 625.542+/-0.144 χ^2/NDF: 2702574.7/20

All: 658.542+/-0.107 χ^2/NDF: 5245775.6/43

- sign 698.494+/-0.158 χ^2/NDF: 2427005.9/22

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -373.436+/-685.886 χ^2/NDF:1.1/4

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

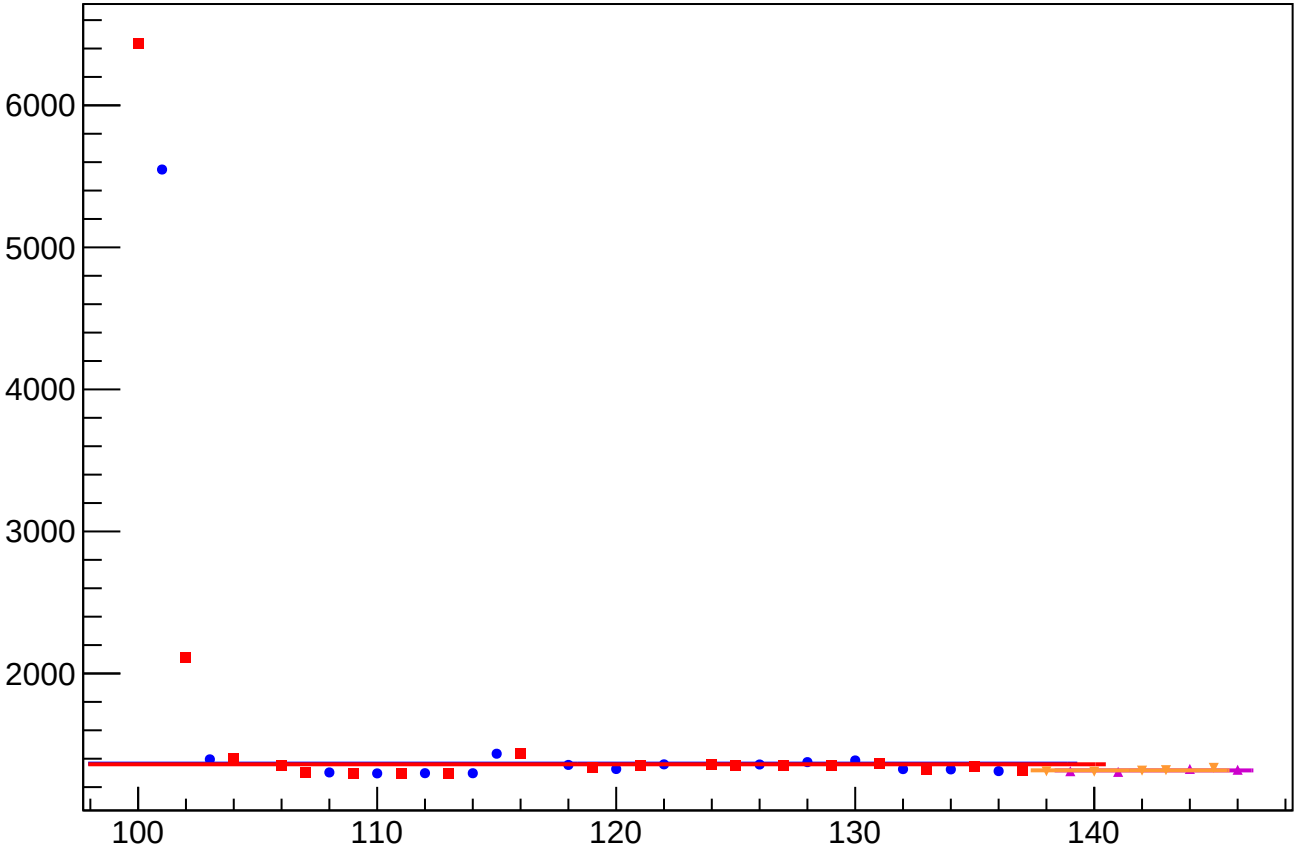
Left In: 1652.509+/-700.881 χ^2/NDF:2.1/3

+ sign 110.532+/-414.960 χ^2/NDF: 23.2/20

All: 413.985+/-292.112 χ^2/NDF: 39.1/43

- sign 712.083+/-411.282 χ^2/NDF: 14.8/22

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.182+/-0.485 χ^2/NDF:399.4/4

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

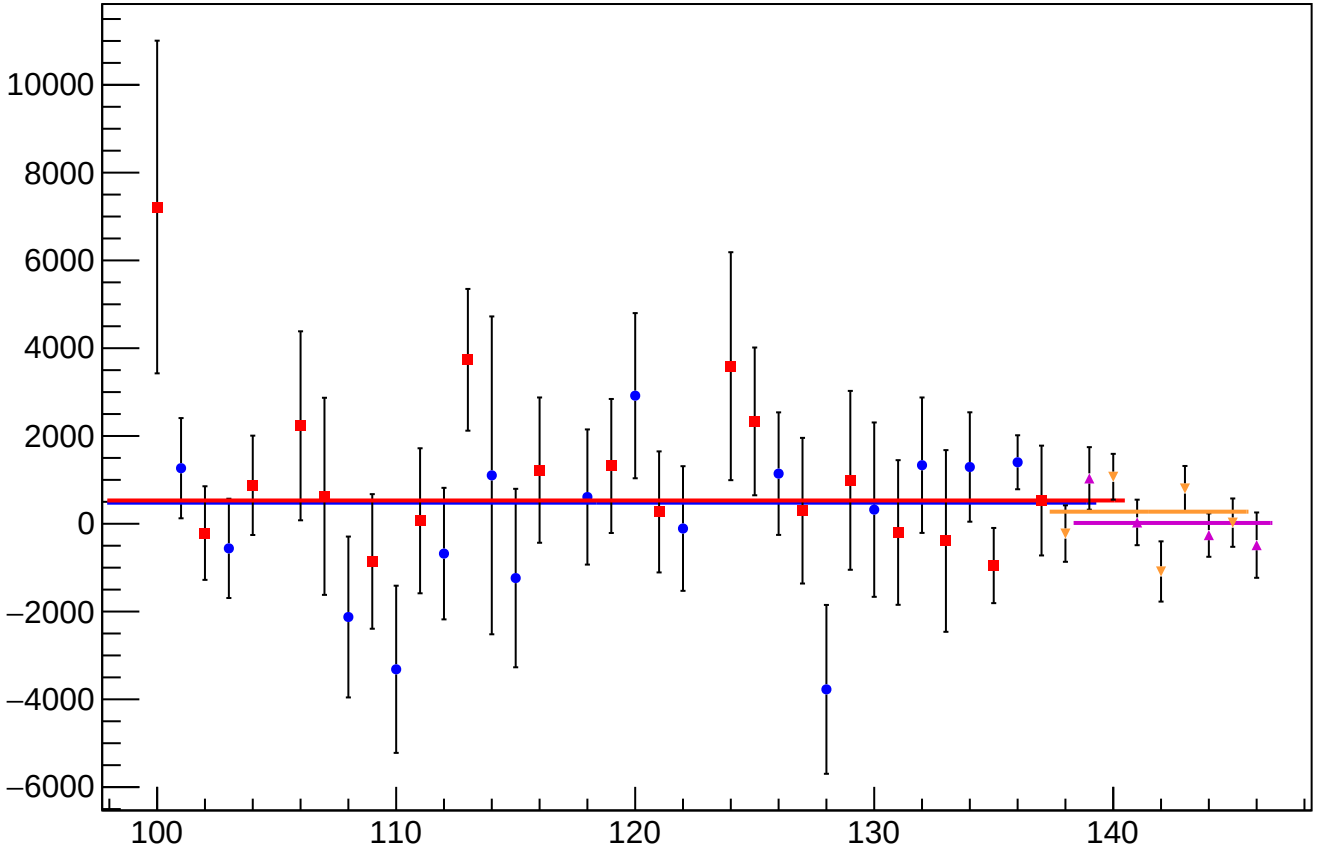
Left In: 1317.608+/-0.496 χ^2/NDF:275.1/3

+ sign 1348.055+/-0.293 χ^2/NDF: 765328.4/20

All: 1346.972+/-0.207 χ^2/NDF: 975919.0/43

- sign 1345.908+/-0.291 χ^2/NDF: 210563.6/22

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 275.490+/-255.637 χ^2/NDF:8.1/4

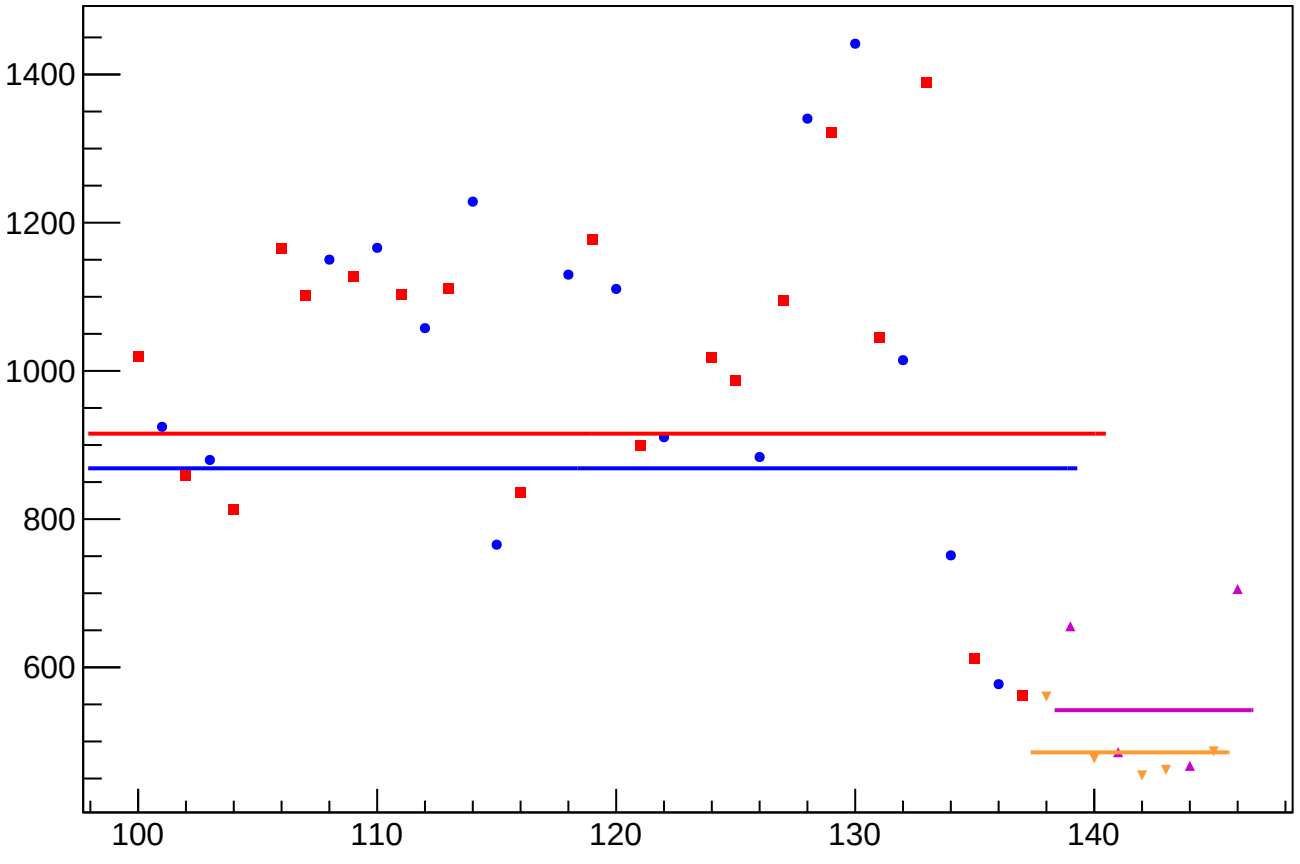
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 18.352+/-293.799 χ^2/NDF:2.8/3

+ sign 350.469+/-203.563 χ^2/NDF: 27.0/20

All: 297.266+/-150.643 χ^2/NDF: 46.8/43

- sign 232.854+/-223.981 χ^2/NDF: 19.7/22



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 485.297+/-0.181 χ^2/NDF:36191.1/4

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

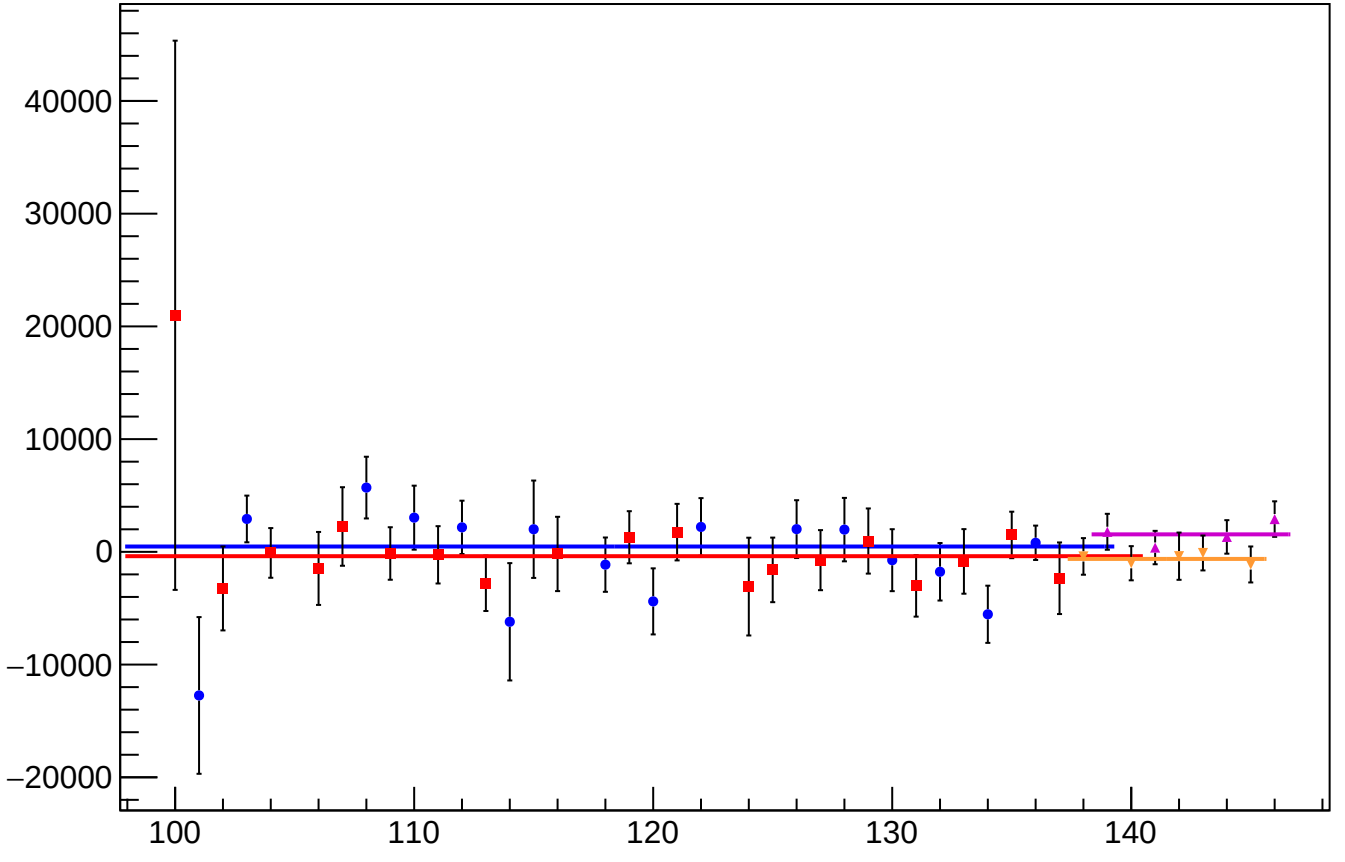
Left In: 542.224+/-0.208 χ^2/NDF:217044.5/3

+ sign 625.541+/-0.144 χ^2/NDF: 2702564.6/20

All: 658.541+/-0.107 χ^2/NDF: 5245755.4/43

- sign 698.494+/-0.158 χ^2/NDF: 2426992.7/22

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -627.162+/-734.767 χ^2/NDF:0.3/4

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

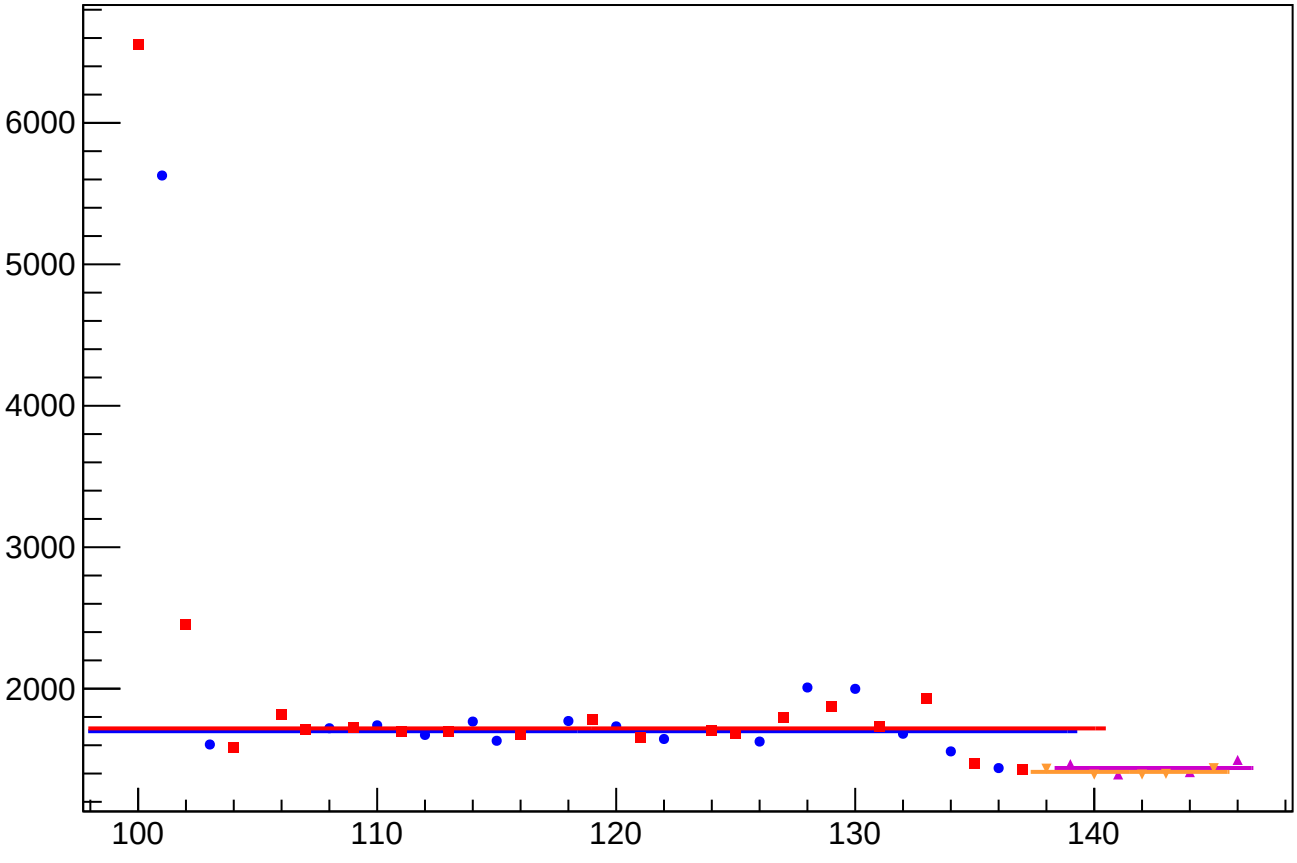
Left In: 1551.866+/-765.886 χ^2/NDF:1.4/3

\+ sign -9.078+/-486.525 χ^2/NDF: 24.3/20

All: 200.303+/-345.946 χ^2/NDF: 37.1/43

\- sign 414.427+/-492.005 χ^2/NDF: 12.4/22

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1411.783+/-0.520 χ^2/NDF:1587.2/4

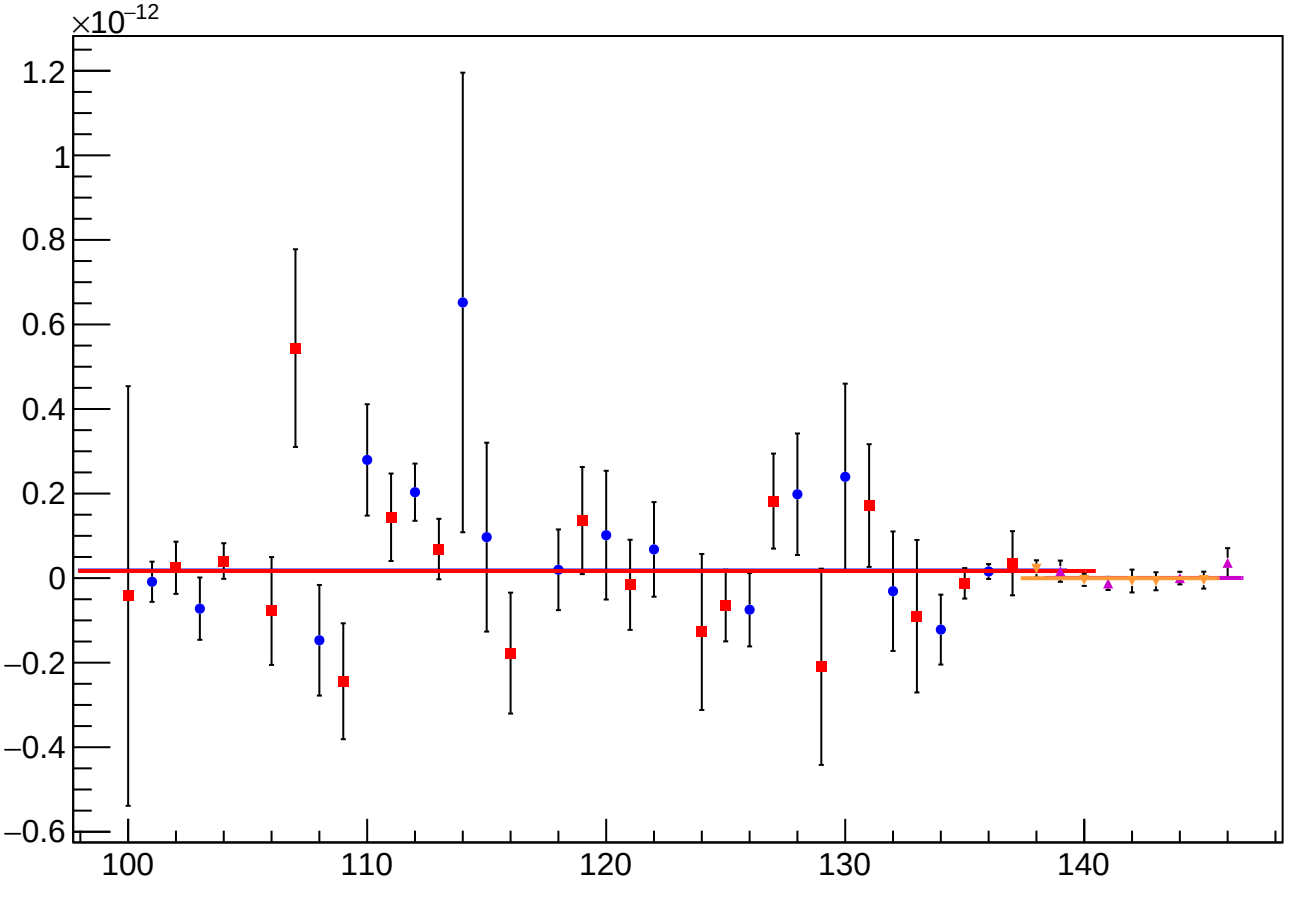
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1439.158+/-0.542 χ^2/NDF:5875.5/3

+ sign 1573.258+/-0.344 χ^2/NDF: 935690.0/20

All: 1588.247+/-0.245 χ^2/NDF: 1336093.4/43

- sign 1603.576+/-0.348 χ^2/NDF: 396563.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

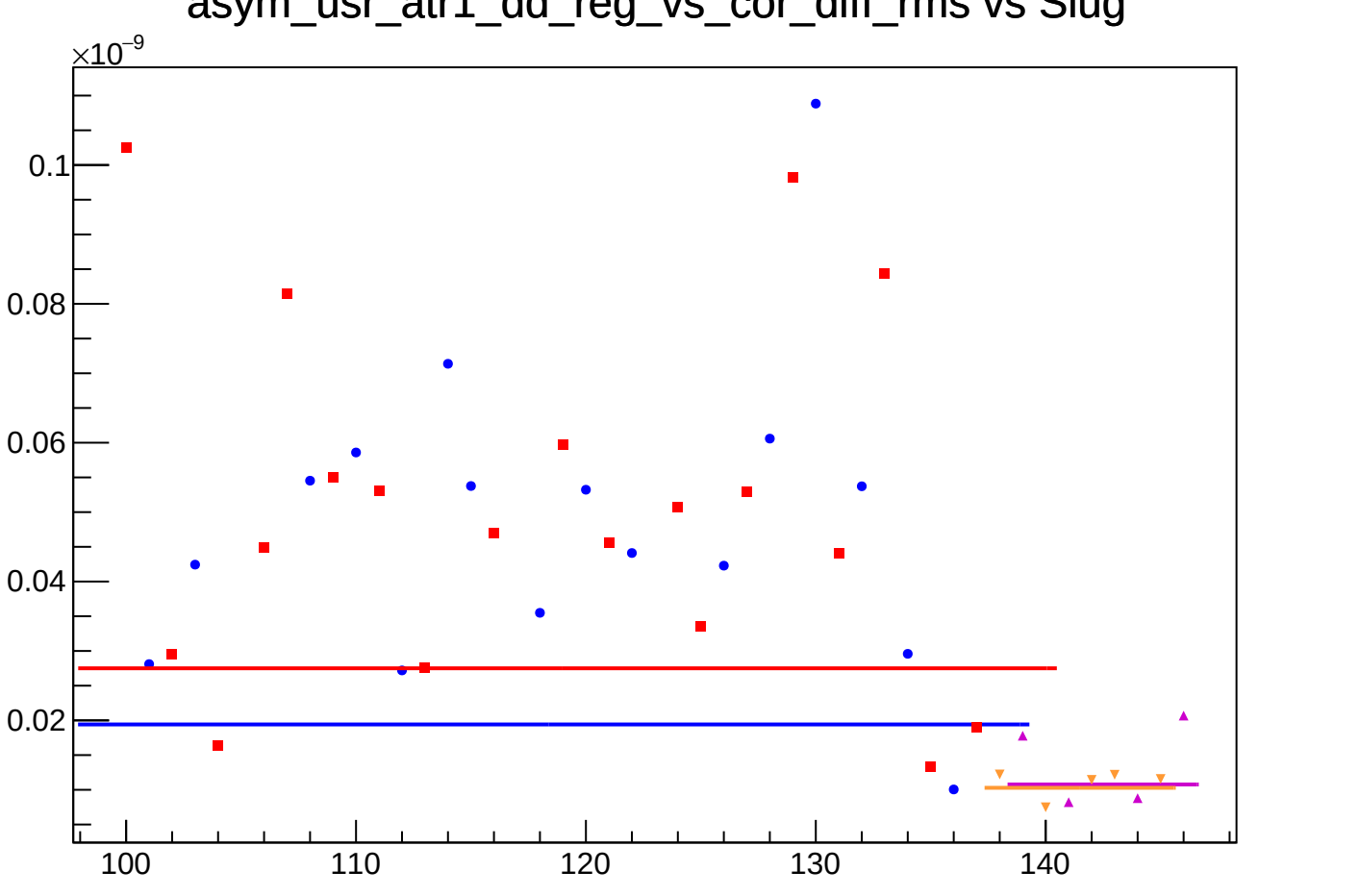
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 26.3/20

All: 0.000+/-0.000 χ^2/NDF: 50.4/43

- sign 0.000+/-0.000 χ^2/NDF: 24.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:122107.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

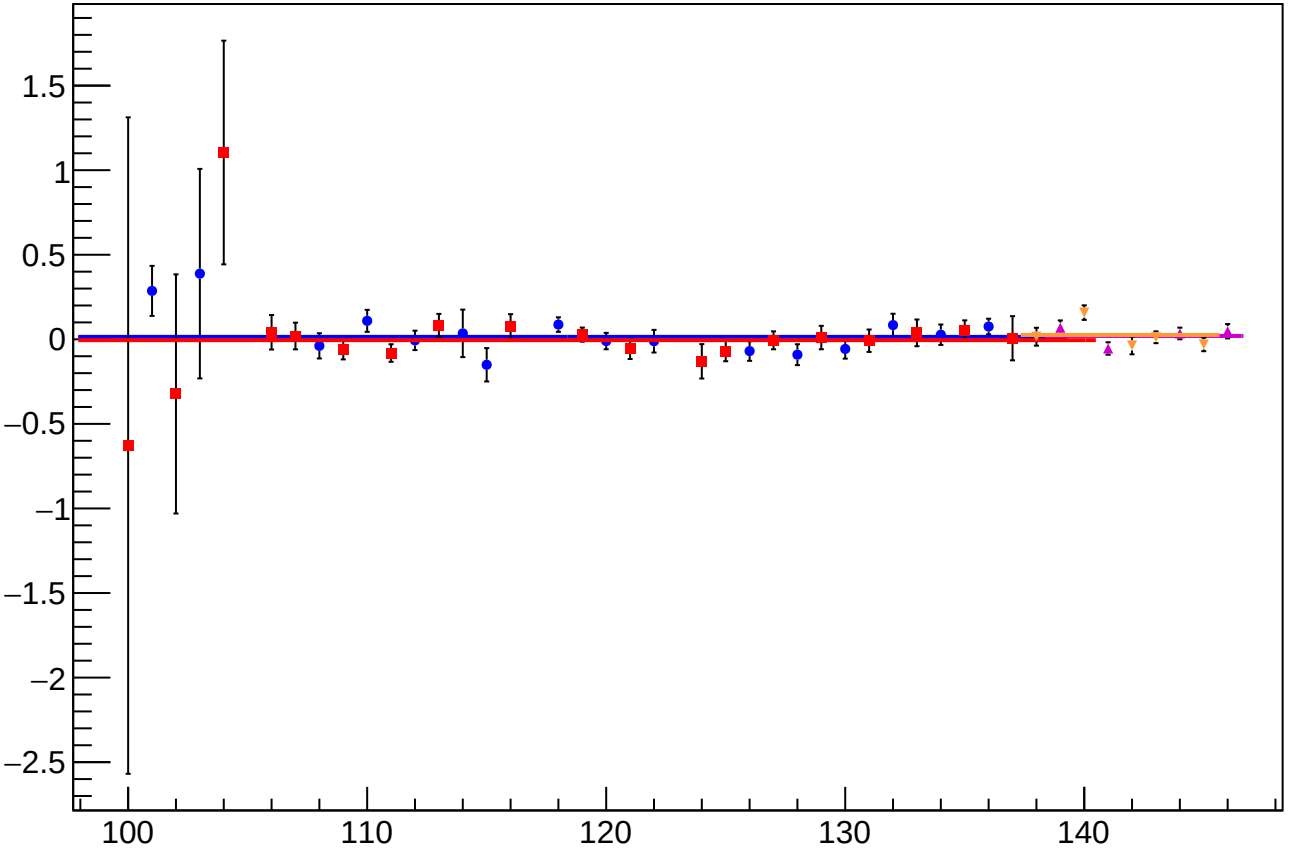
Left In: 0.000+/-0.000 χ^2/NDF:408212.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2989167.7/20

All: 0.000+/-0.000 χ^2/NDF: 6306979.9/43

- sign 0.000+/-0.000 χ^2/NDF: 3287761.0/22

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.026+/-0.019 χ^2/NDF:13.0/4

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

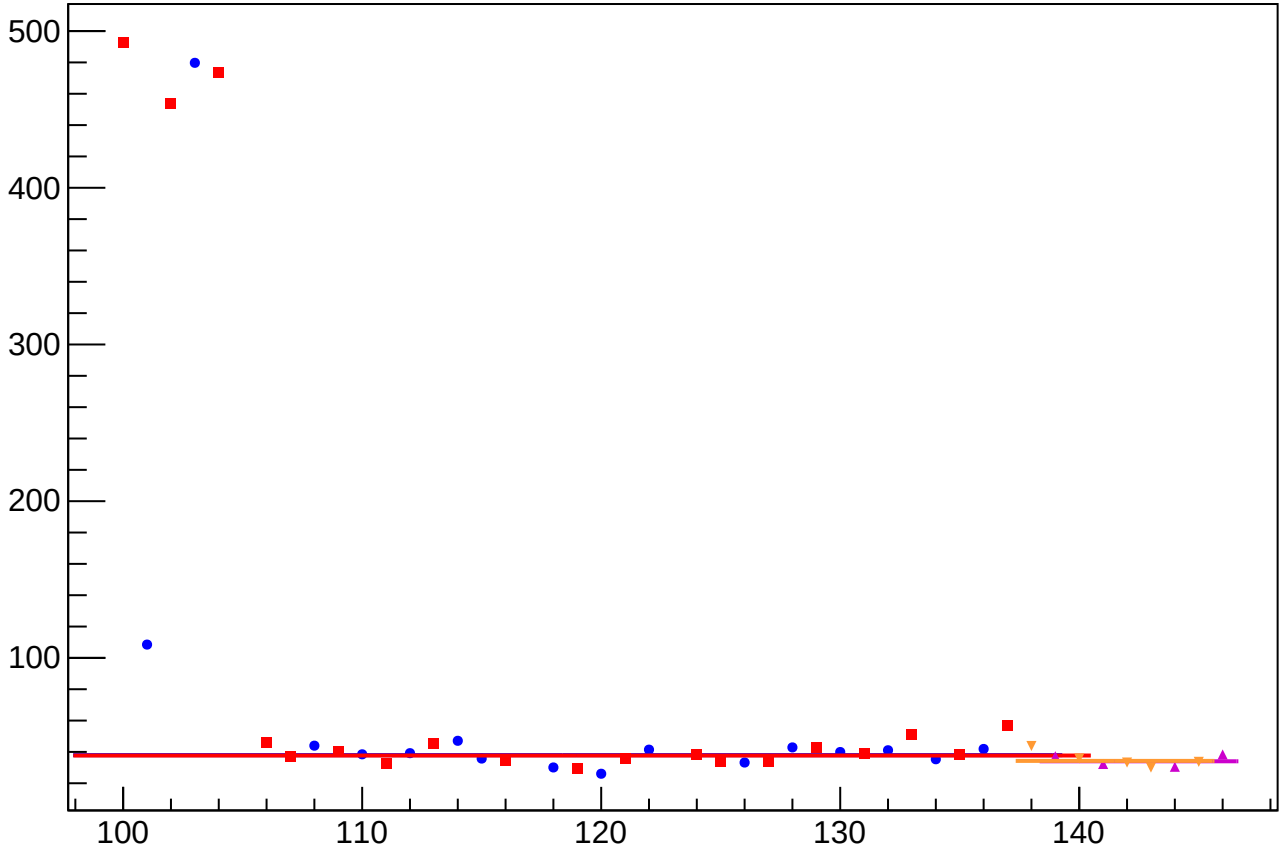
Left In: 0.020+/-0.019 χ^2/NDF:5.9/3

+ sign 0.019+/-0.012 χ^2/NDF: 35.2/20

All: 0.012+/-0.009 χ^2/NDF: 57.6/43

- sign 0.005+/-0.012 χ^2/NDF: 21.8/22

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.268+/-0.014 χ^2/NDF:98532.1/4

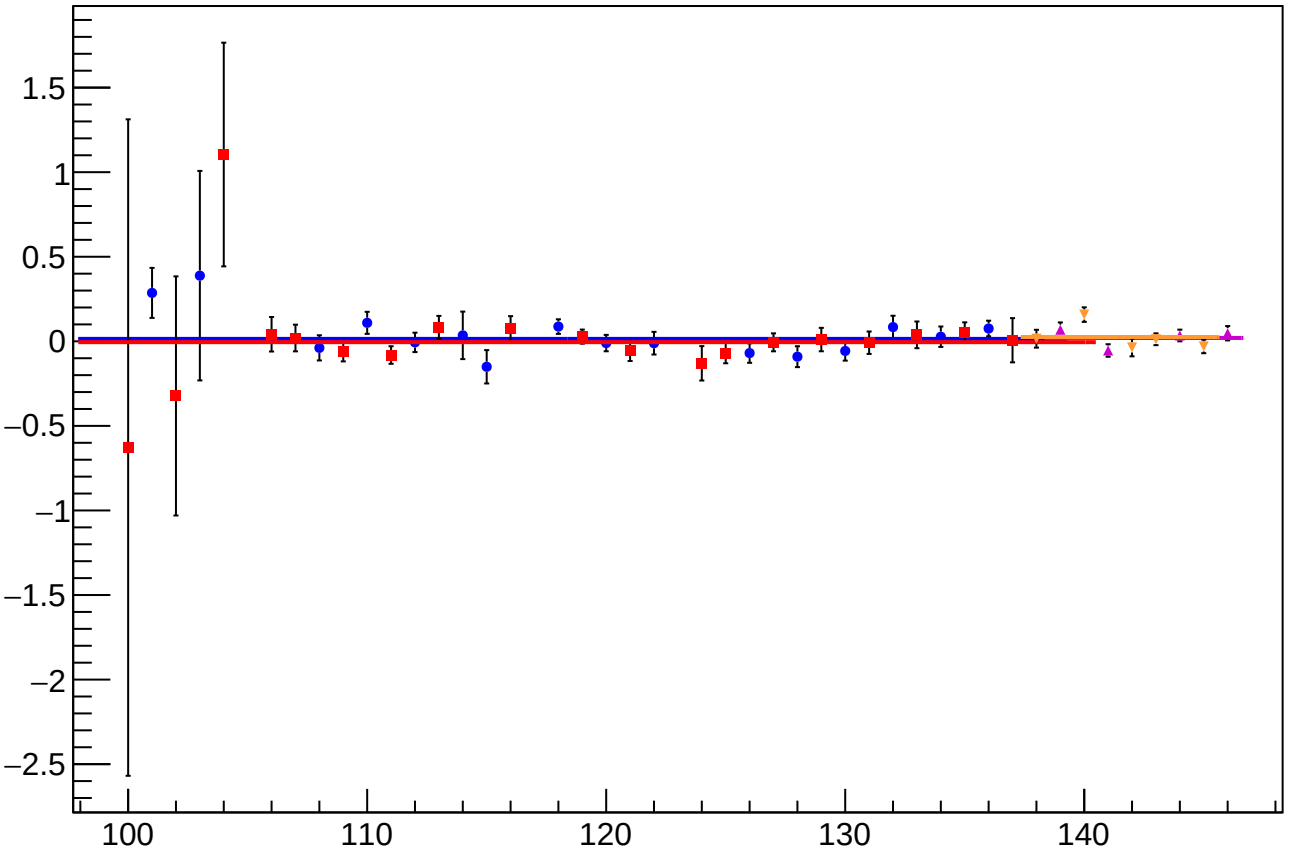
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.019+/-0.014 χ^2/NDF:57181.8/3

+ sign 36.448+/-0.009 χ^2/NDF: 1881451.6/20

All: 36.325+/-0.006 χ^2/NDF: 3926635.3/43

- sign 36.200+/-0.009 χ^2/NDF: 2044776.7/22



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.026+/-0.019 χ^2/NDF:13.0/4

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

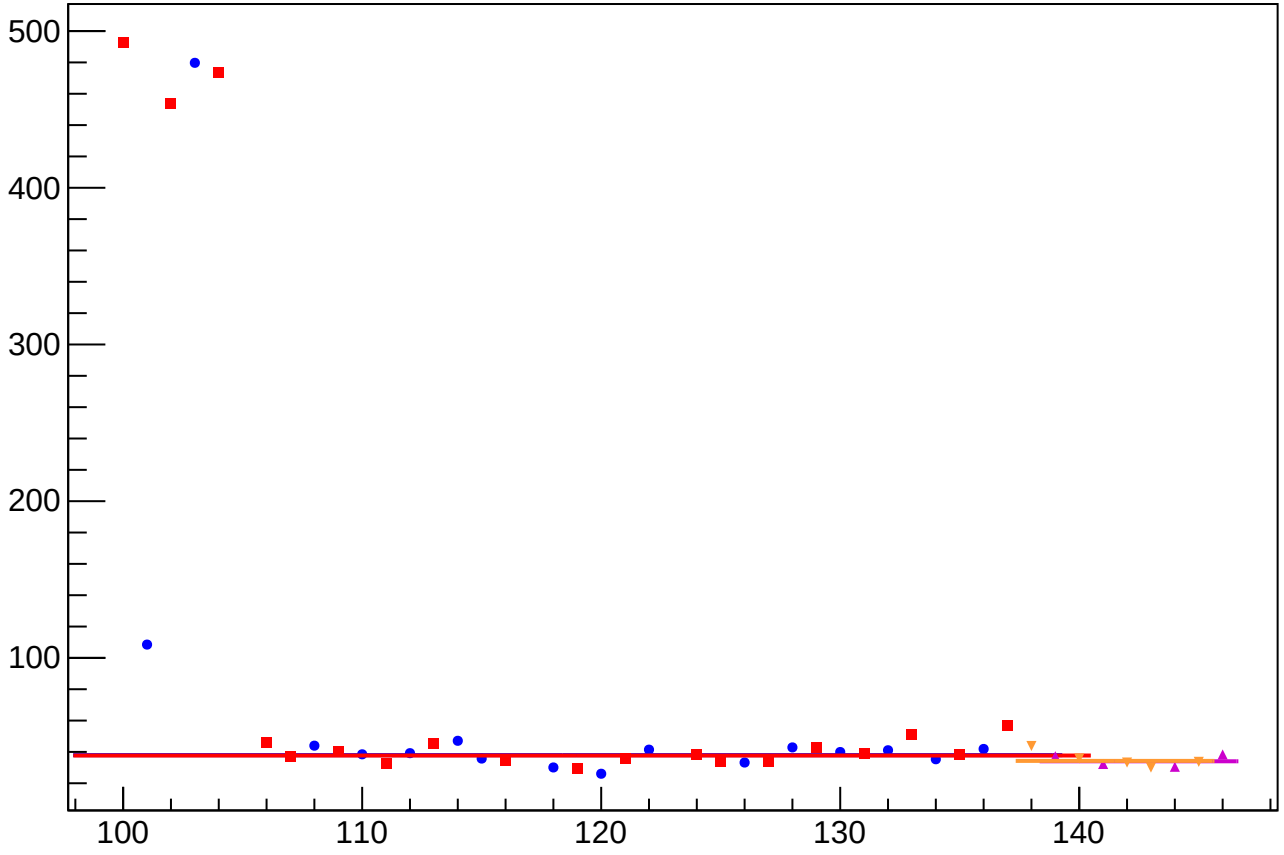
Left In: 0.020+/-0.019 χ^2/NDF:5.9/3

+ sign 0.019+/-0.012 χ^2/NDF: 35.2/20

All: 0.012+/-0.009 χ^2/NDF: 57.6/43

- sign 0.005+/-0.012 χ^2/NDF: 21.8/22

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.268+/-0.014 χ^2/NDF:98532.1/4

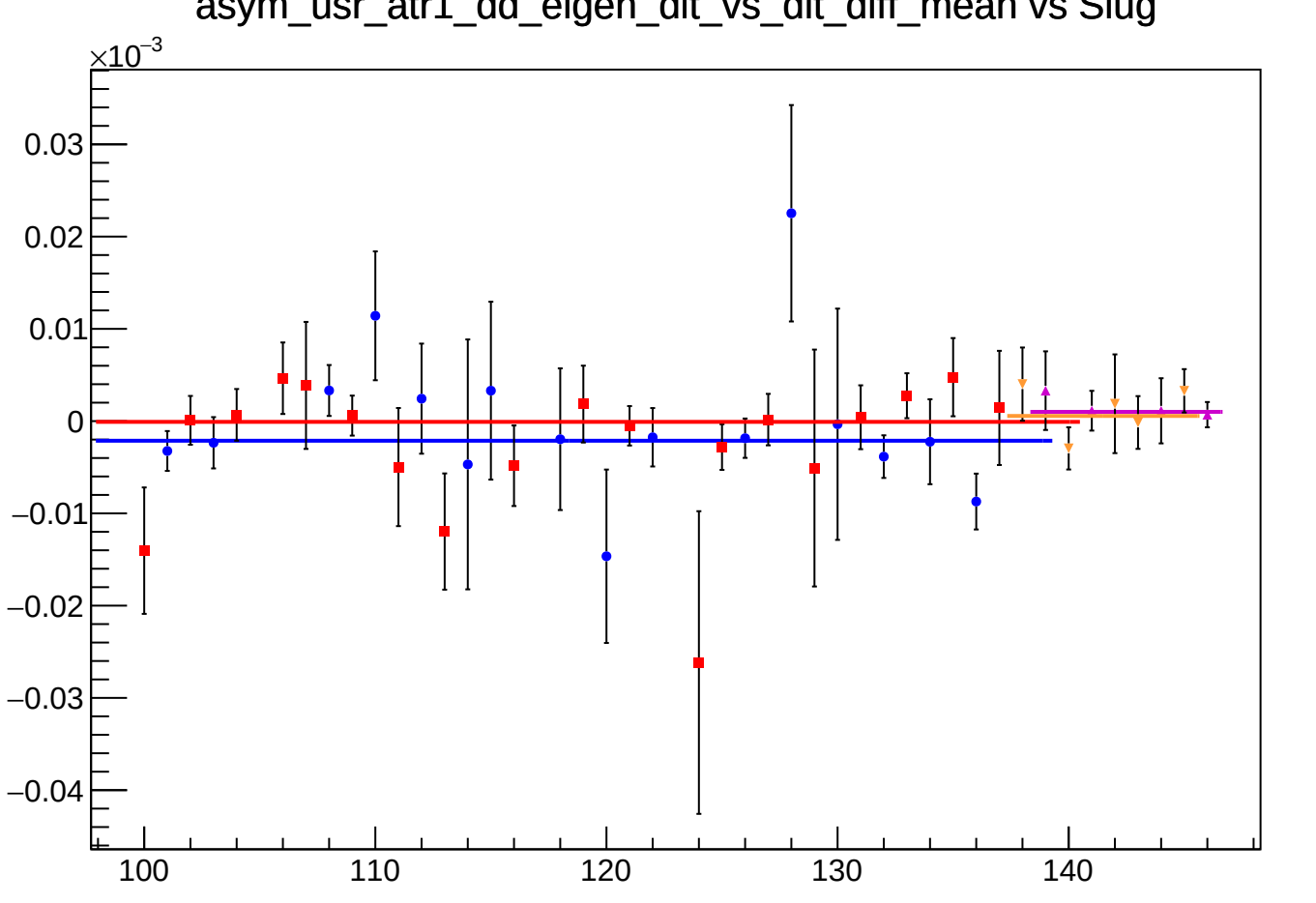
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.019+/-0.014 χ^2/NDF:57181.8/3

+ sign 36.448+/-0.009 χ^2/NDF: 1881451.6/20

All: 36.325+/-0.006 χ^2/NDF: 3926635.3/43

- sign 36.200+/-0.009 χ^2/NDF: 2044776.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

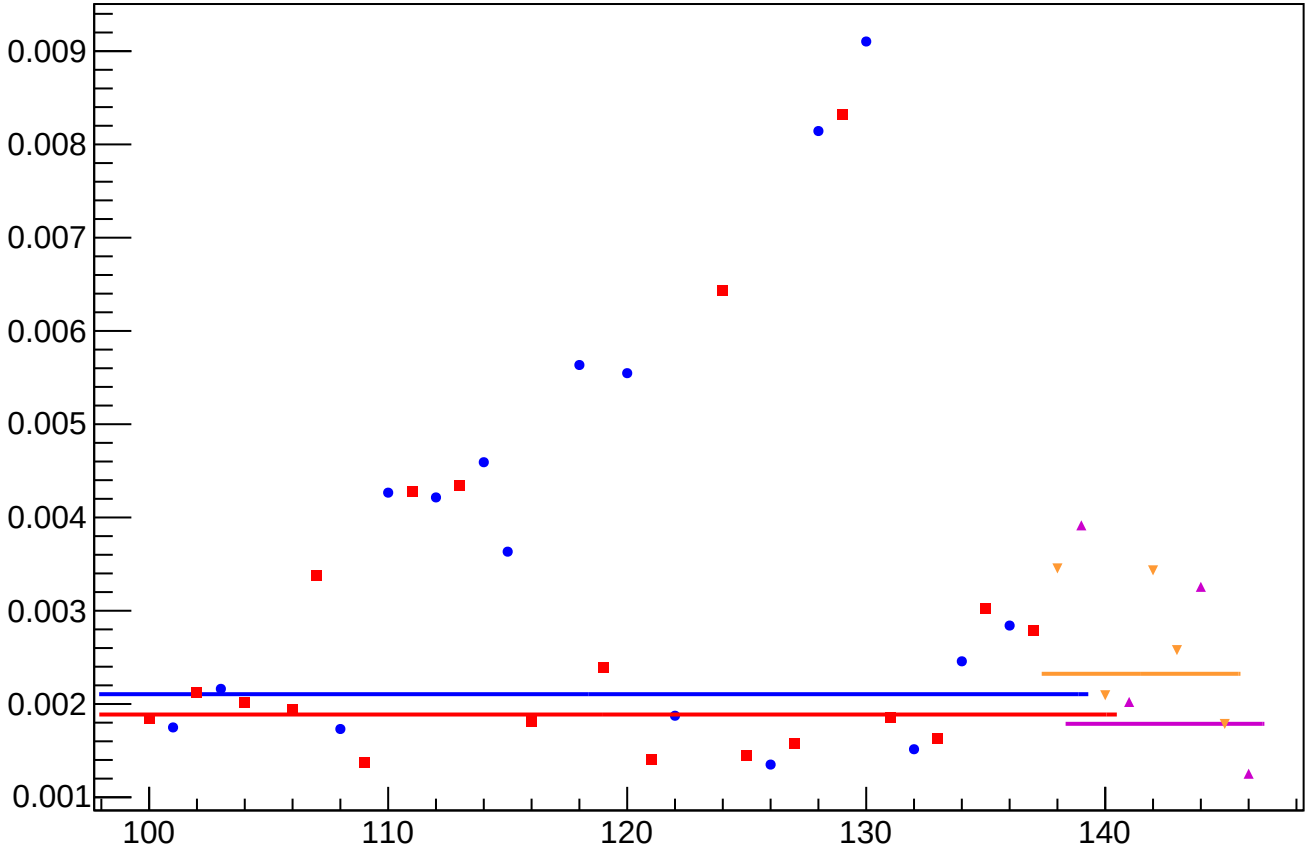
Left In: 0.000+/-0.000 χ^2/NDF:0.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/20

All: -0.000+/-0.000 χ^2/NDF: 49.9/43

- sign 0.000+/-0.000 χ^2/NDF: 19.4/22

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:388844.7/4

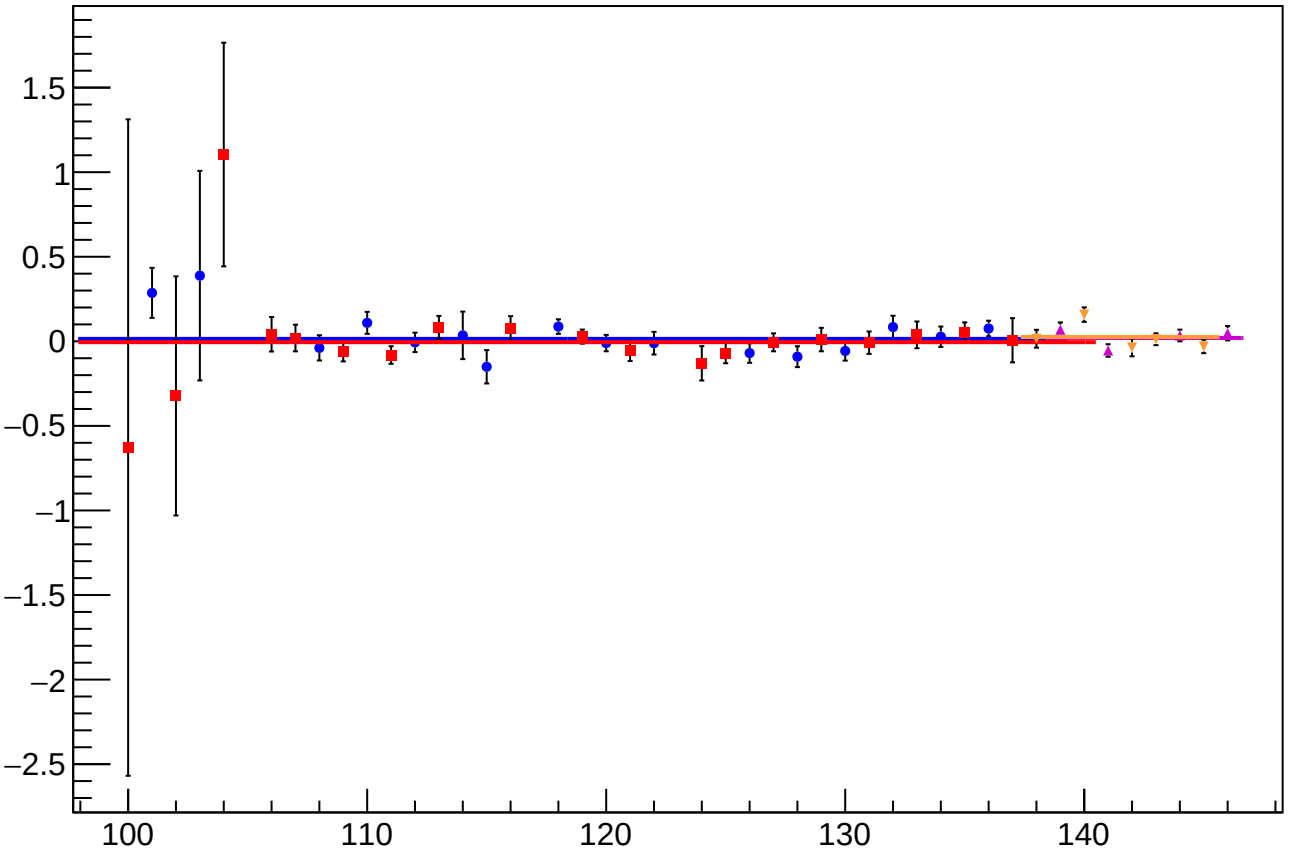
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1174127.7/3

+ sign 0.002+/-0.000 χ^2/NDF: 3444824.2/20

All: 0.002+/-0.000 χ^2/NDF: 6744330.3/43

- sign 0.002+/-0.000 χ^2/NDF: 3077482.5/22



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.026+/-0.019 χ^2/NDF:13.0/4

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

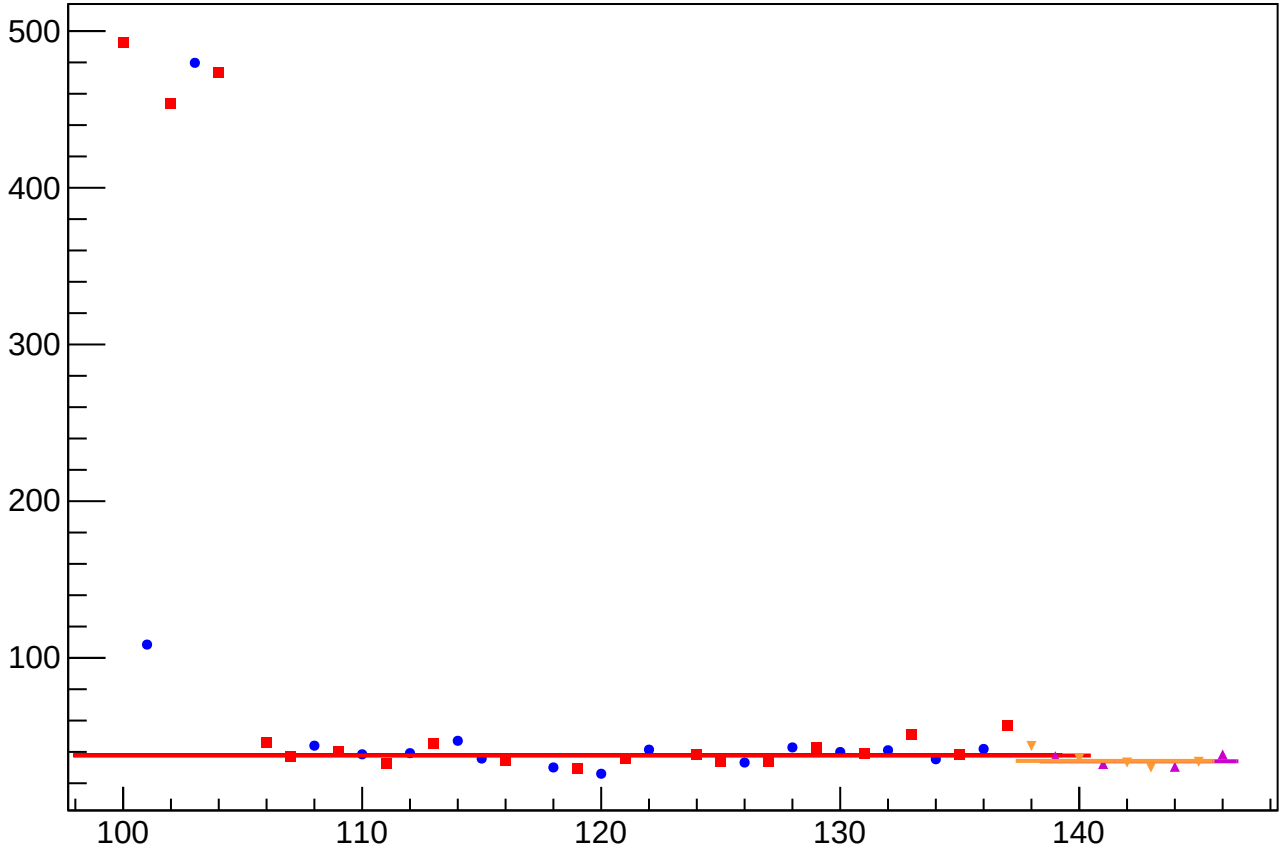
Left In: 0.020+/-0.019 χ^2/NDF:5.9/3

+ sign 0.019+/-0.012 χ^2/NDF: 35.2/20

All: 0.012+/-0.009 χ^2/NDF: 57.6/43

- sign 0.005+/-0.012 χ^2/NDF: 21.8/22

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.268+/-0.014 χ^2/NDF:98556.9/4

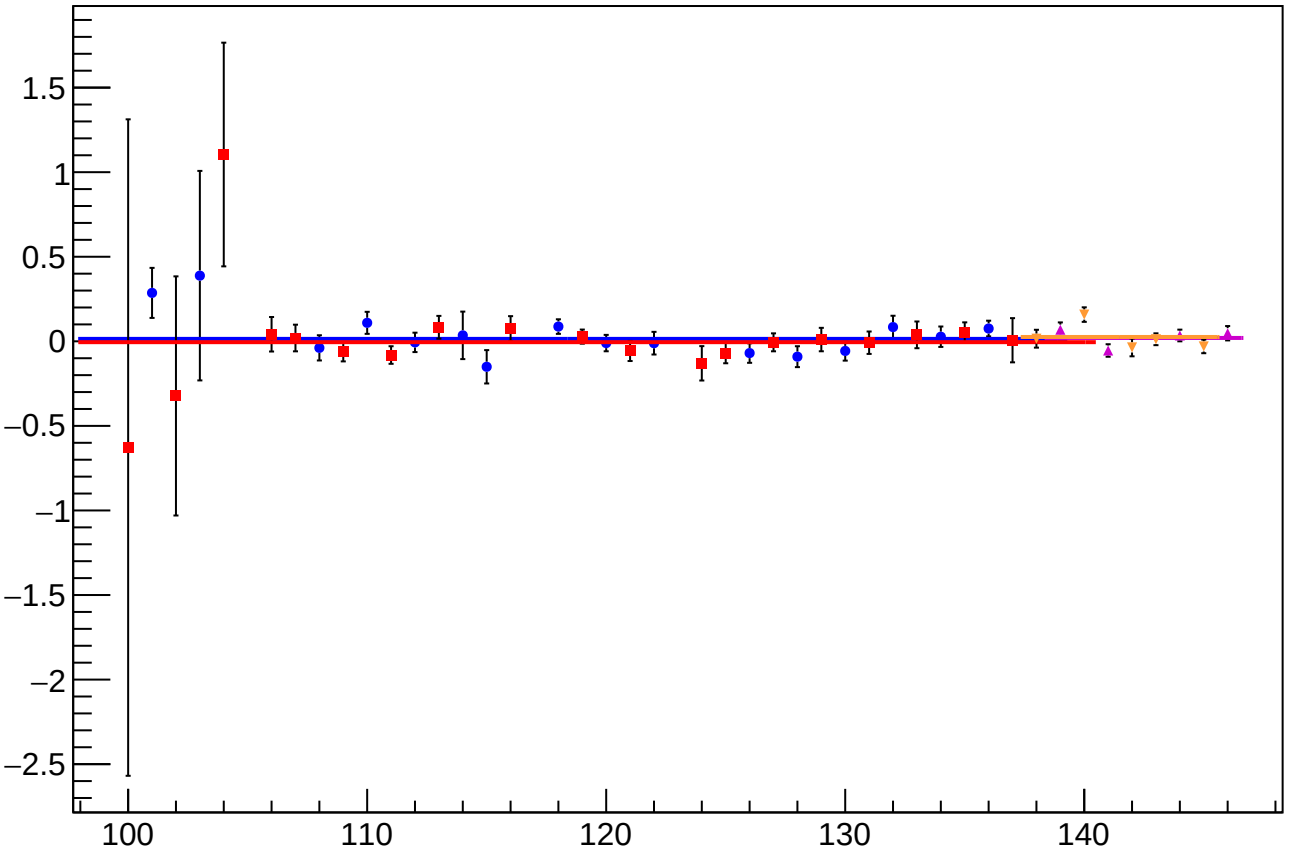
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.018+/-0.014 χ^2/NDF:57184.8/3

+ sign 36.448+/-0.009 χ^2/NDF: 1881478.6/20

All: 36.324+/-0.006 χ^2/NDF: 3926727.7/43

- sign 36.199+/-0.009 χ^2/NDF: 2044840.4/22



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.026+/-0.019 χ^2/NDF:13.0/4

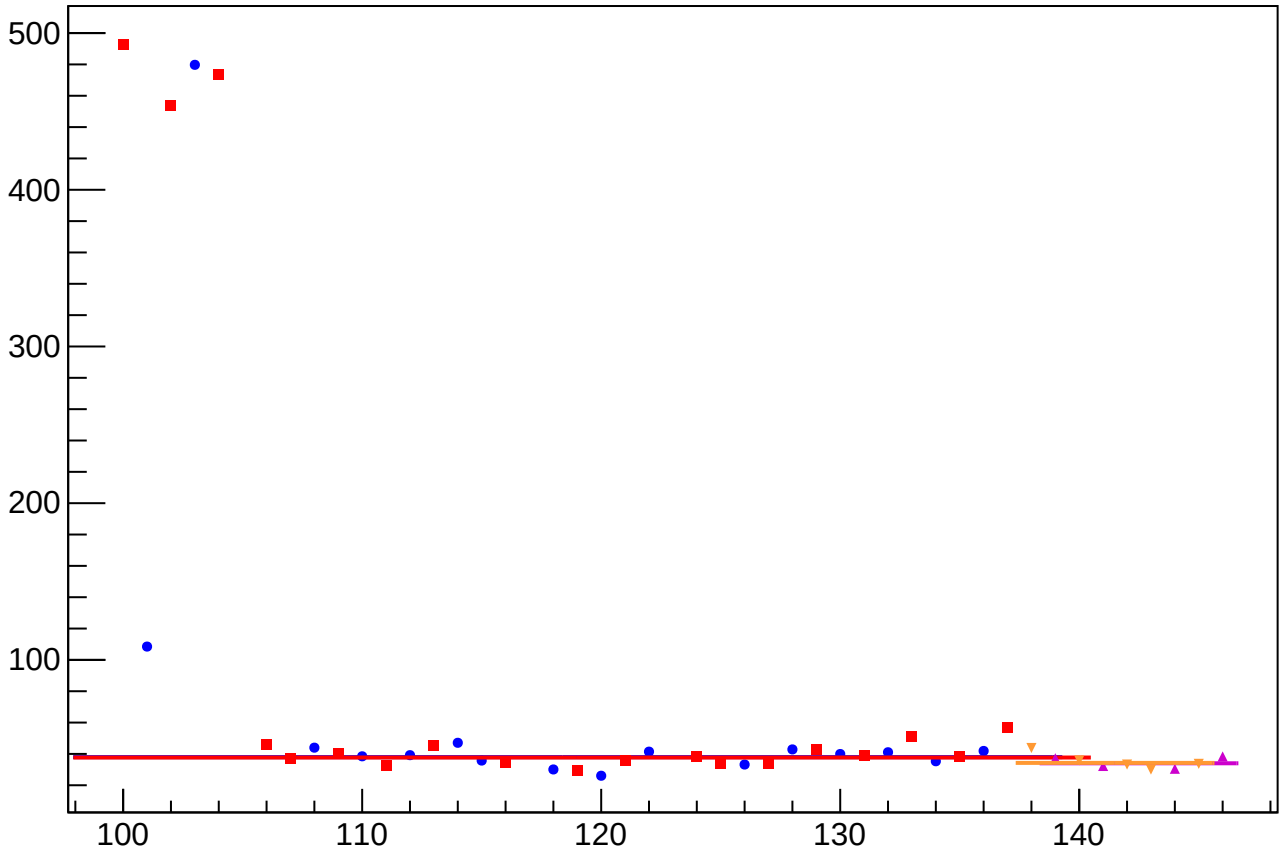
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.020+/-0.019 χ^2/NDF:5.9/3

+ sign 0.019+/-0.012 χ^2/NDF: 35.2/20

All: 0.012+/-0.009 χ^2/NDF: 57.6/43

- sign 0.005+/-0.012 χ^2/NDF: 21.8/22



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.268+/-0.014 χ^2/NDF:98556.9/4

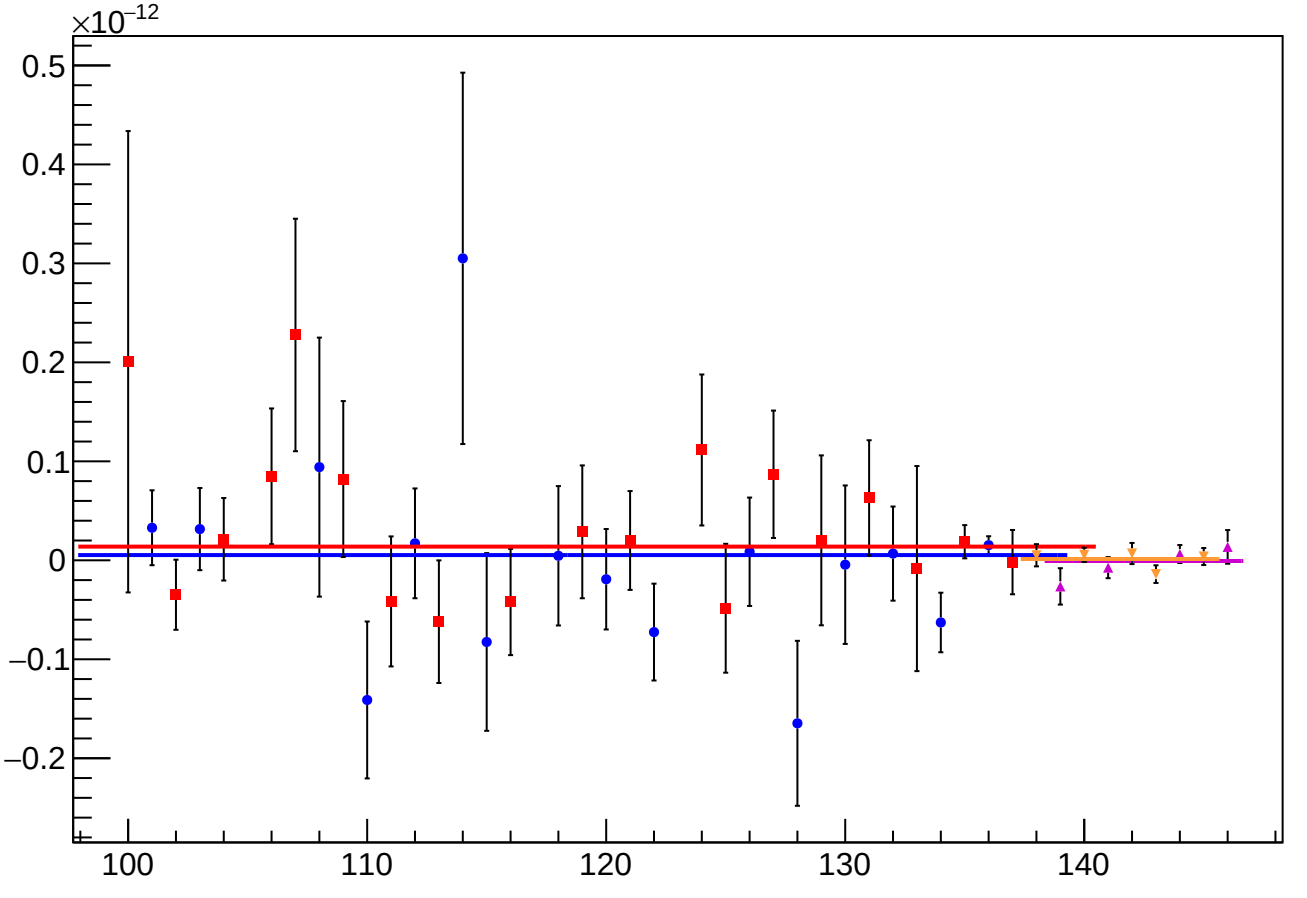
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.018+/-0.014 χ^2/NDF:57184.8/3

+ sign 36.448+/-0.009 χ^2/NDF: 1881478.6/20

All: 36.324+/-0.006 χ^2/NDF: 3926727.7/43

- sign 36.199+/-0.009 χ^2/NDF: 2044840.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/4

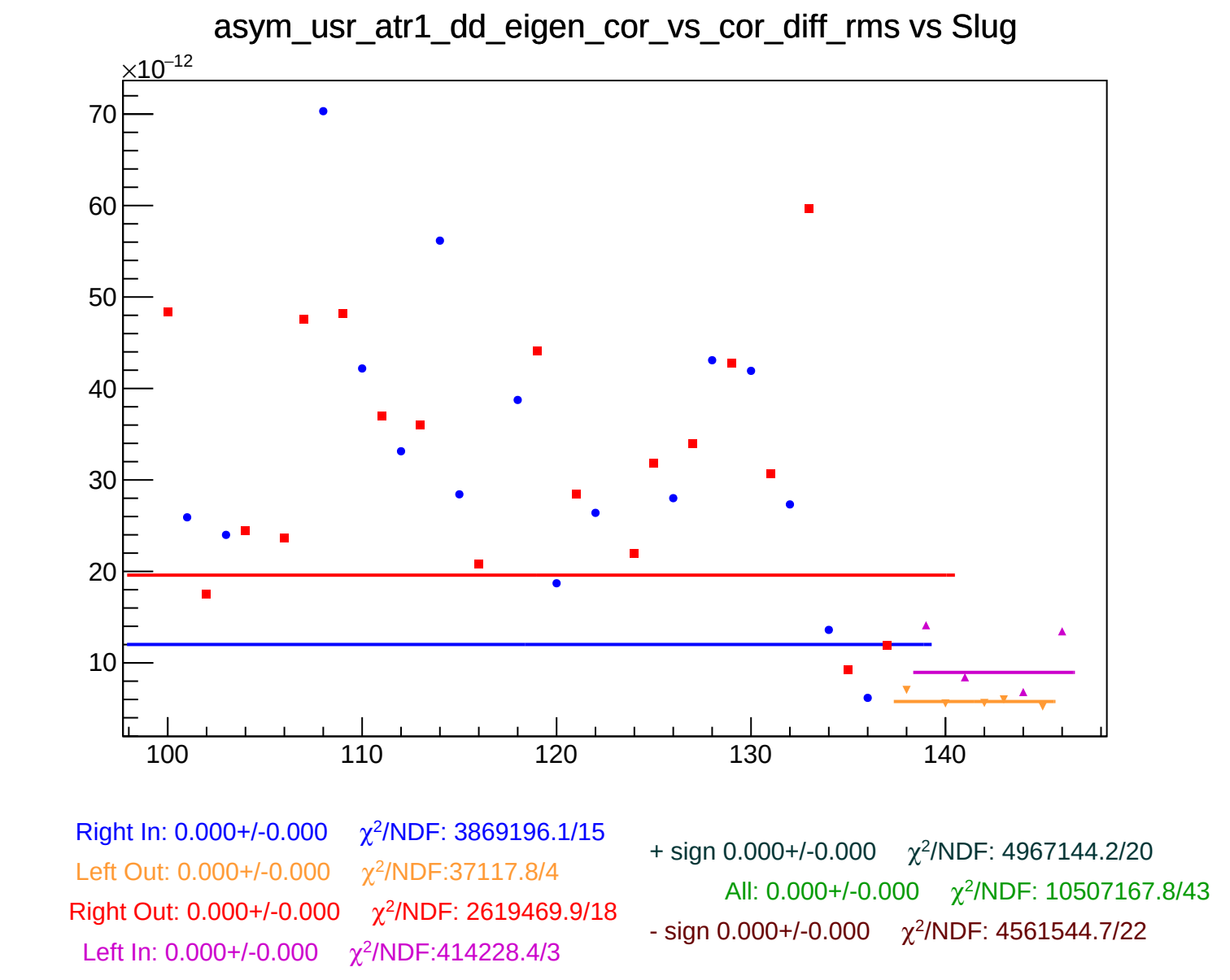
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/3

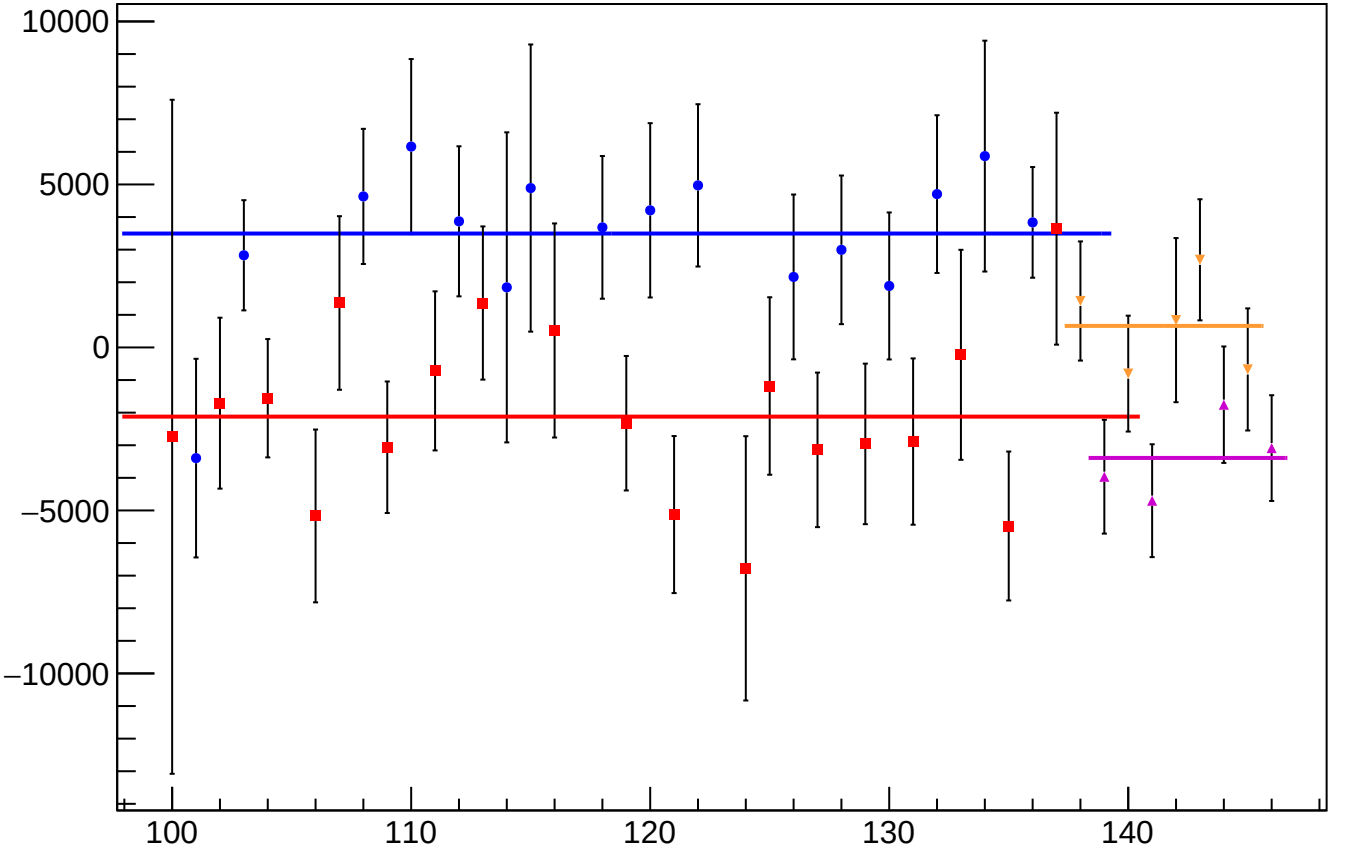
+ sign 0.000+/-0.000 χ^2/NDF: 25.6/20

All: 0.000+/-0.000 χ^2/NDF: 46.7/43

- sign 0.000+/-0.000 χ^2/NDF: 21.1/22


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:37117.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:414228.4/3
+ sign 0.000+/-0.000 χ²/NDF: 4967144.2/20
All: 0.000+/-0.000 χ²/NDF: 10507167.8/43
- sign 0.000+/-0.000 χ²/NDF: 4561544.7/22

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 661.066+/-861.104 χ^2/NDF:2.6/4

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

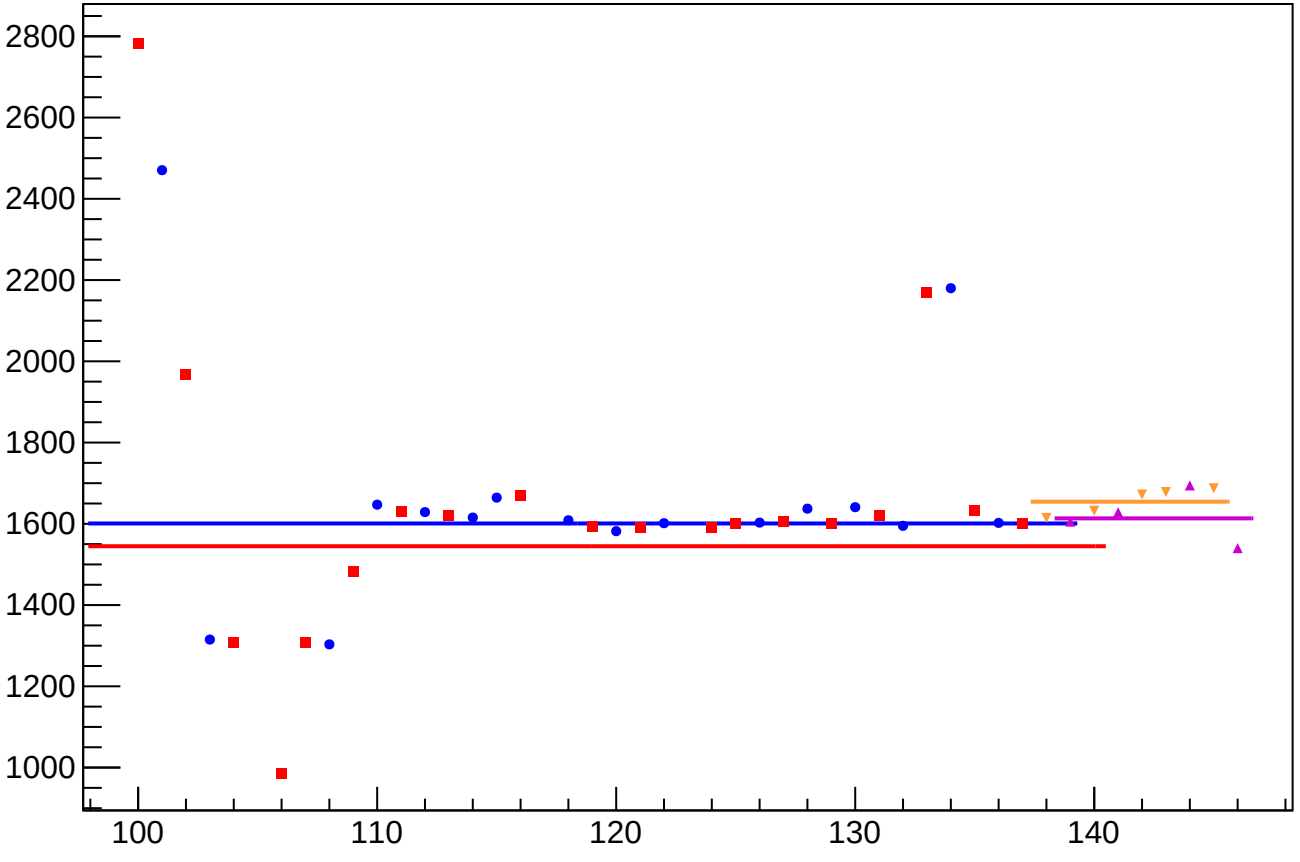
Left In: -3389.297+/-858.787 χ^2/NDF:1.6/3

+ sign 2565.914+/-492.936 χ^2/NDF: 18.6/20

All: -21.552+/-345.703 χ^2/NDF: 91.0/43

- sign -2525.931+/-484.958 χ^2/NDF: 18.1/22

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1654.469+/-0.609 χ^2/NDF:2313.4/4

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

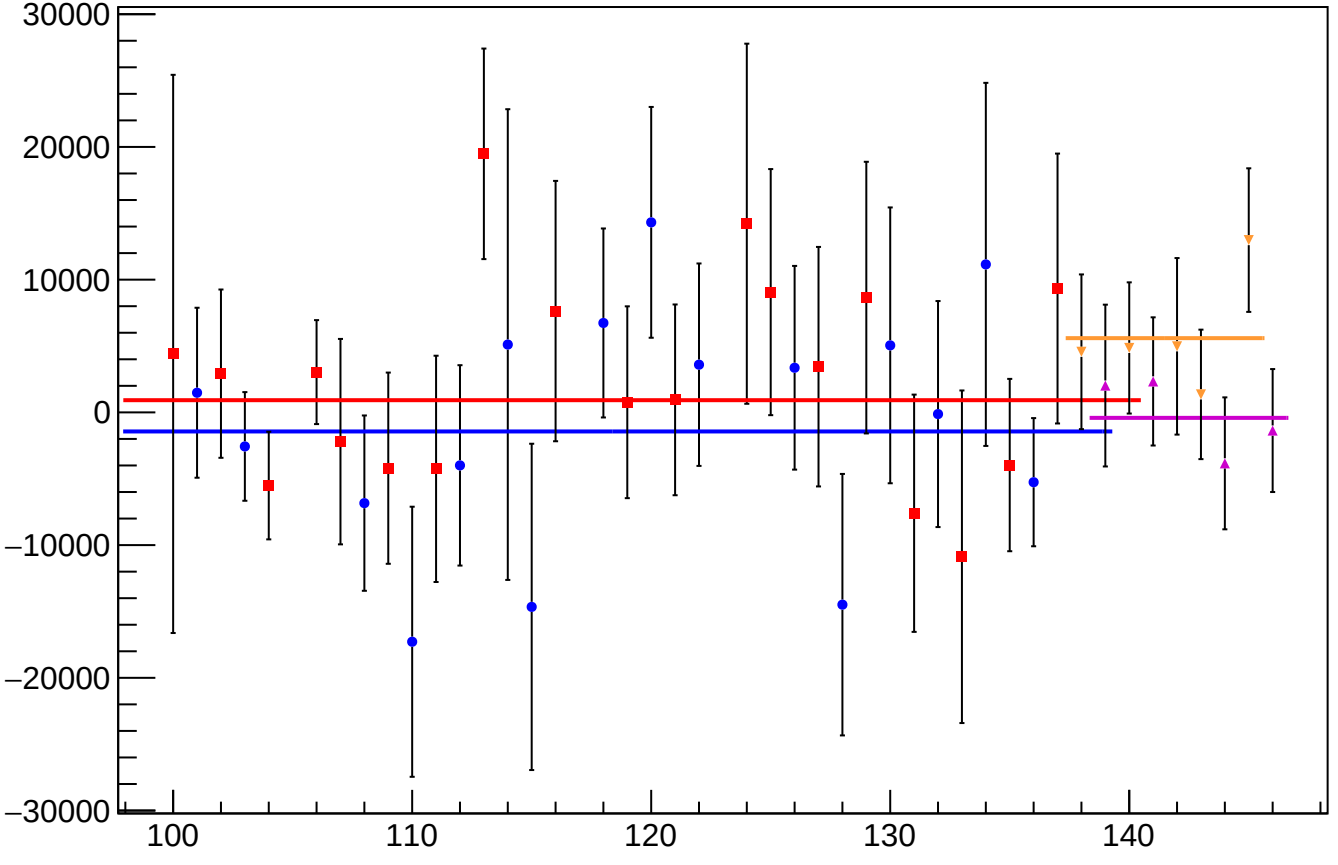
Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

+ sign 1618.441+/-0.349 χ^2/NDF: 324935.1/20

All: 1591.588+/-0.243 χ^2/NDF: 729789.1/43

- sign 1566.189+/-0.339 χ^2/NDF: 393305.0/22

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 5592.705+/-2431.208 χ^2/NDF:2.7/4

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

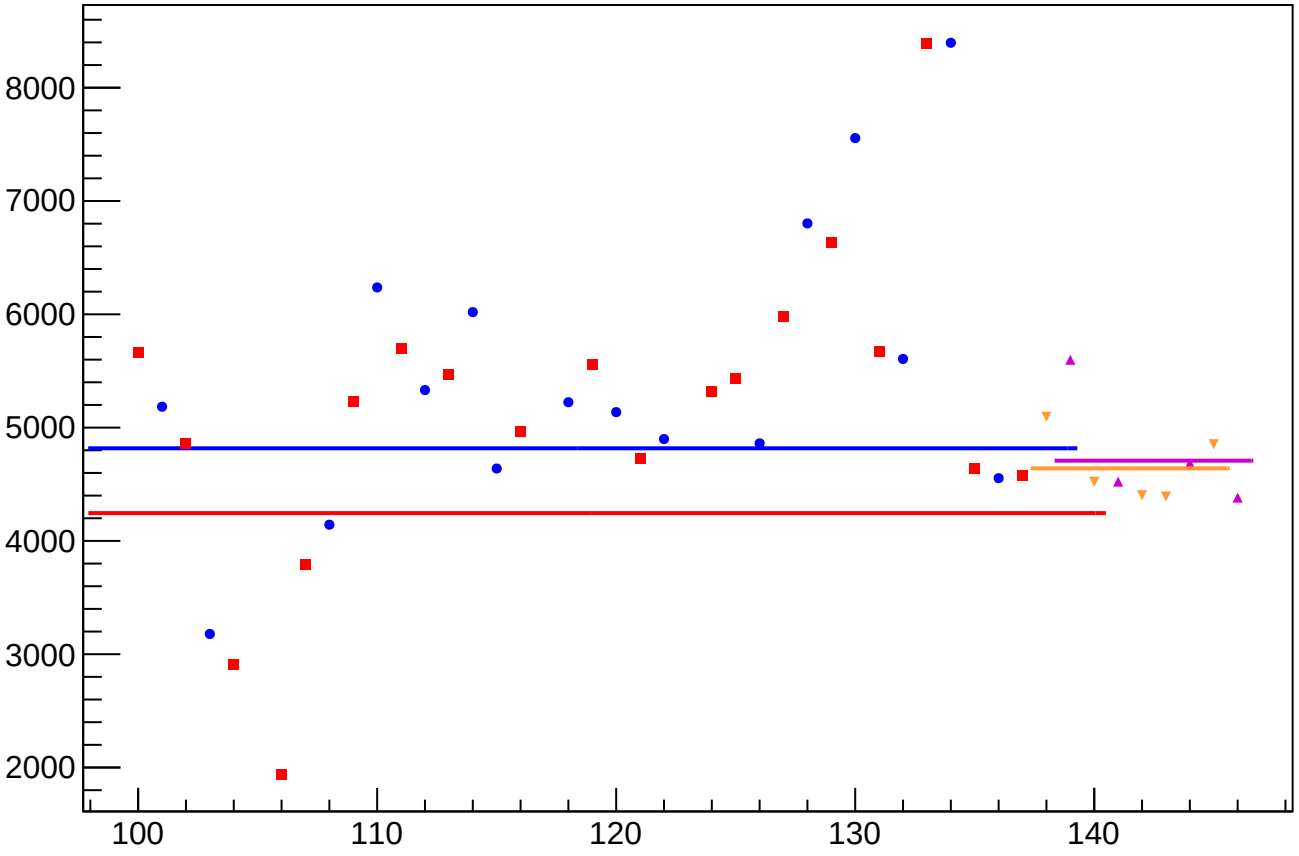
Left In: -412.887+/-2524.794 χ^2/NDF:1.0/3

\+ sign 1137.685+/-1471.370 χ^2/NDF: 21.8/20

All: 808.420+/-1011.363 χ^2/NDF: 38.5/43

\- sign 513.527+/-1392.456 χ^2/NDF: 16.5/22

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4640.210+/-1.719 χ^2/NDF:24237.7/4

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

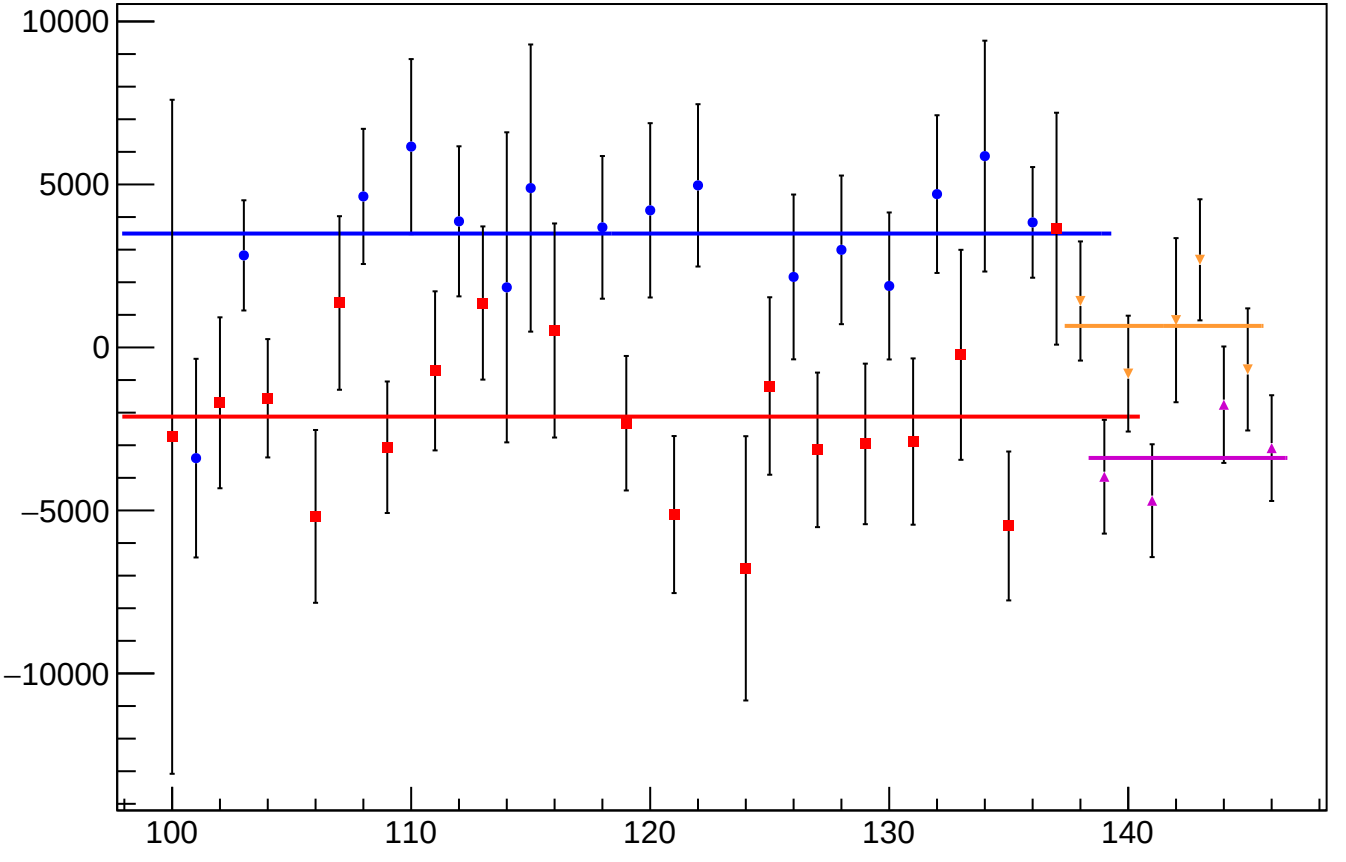
Left In: 4708.252+/-1.785 χ^2/NDF:55554.9/3

+ sign 4752.465+/-1.040 χ^2/NDF: 826397.0/20

All: 4559.288+/-0.715 χ^2/NDF: 2677204.4/43

- sign 4386.277+/-0.985 χ^2/NDF: 1785457.3/22

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 661.031+/-861.104 χ^2/NDF:2.6/4

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

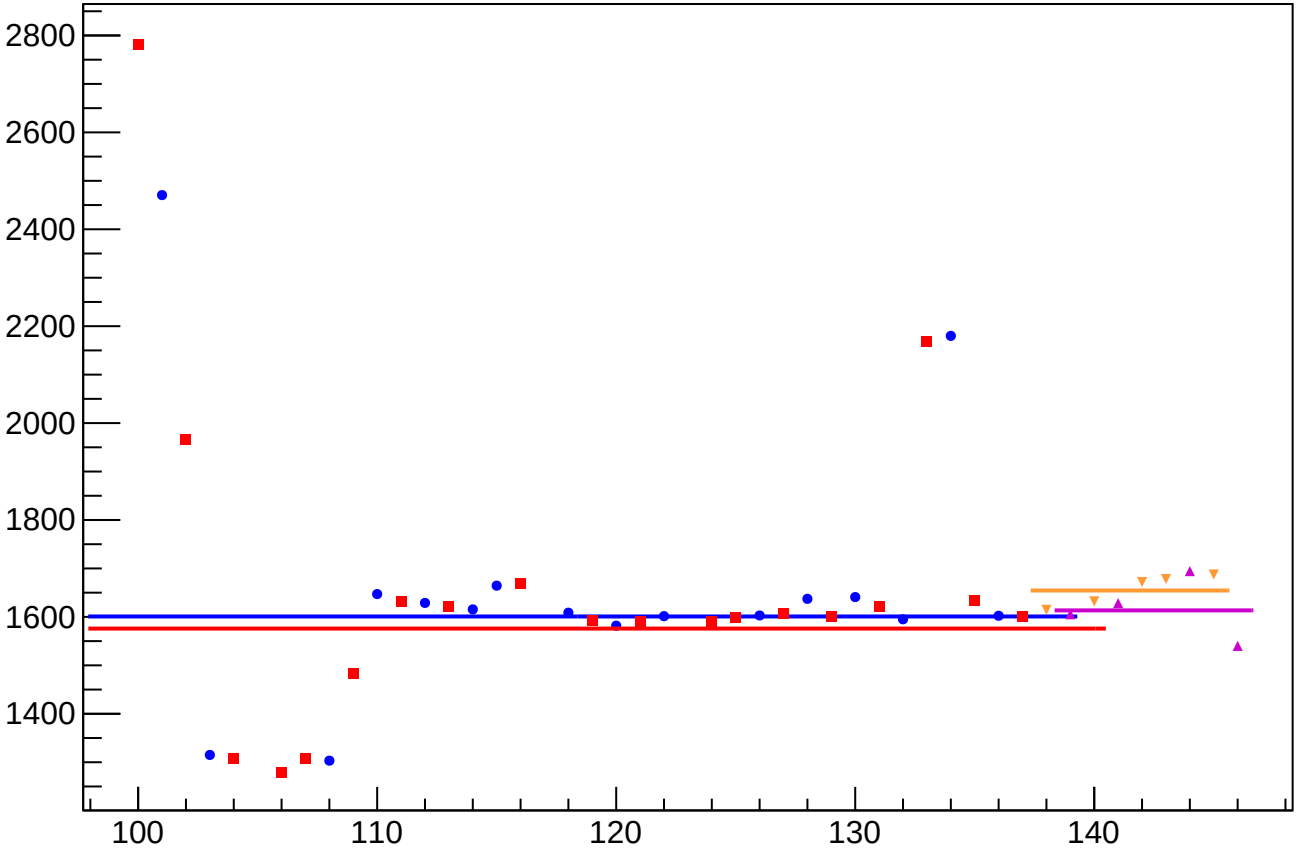
Left In: -3389.557+/-858.787 χ^2/NDF:1.6/3

+ sign 2565.678+/-492.936 χ^2/NDF: 18.6/20

All: -21.700+/-345.704 χ^2/NDF: 91.0/43

- sign -2526.011+/-484.959 χ^2/NDF: 18.1/22

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1654.469+/-0.609 χ^2/NDF:2313.4/4

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

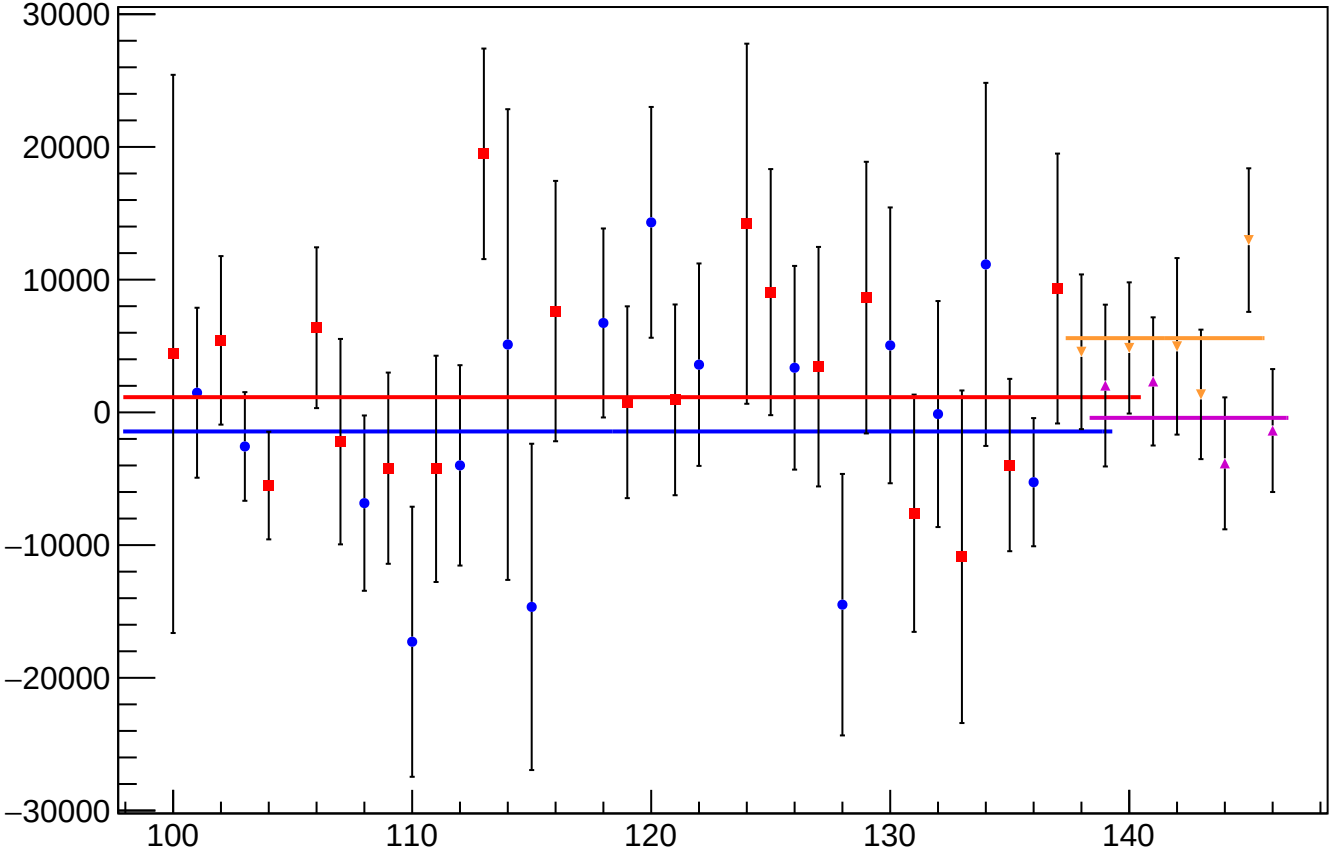
Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

+ sign 1618.441+/-0.349 χ^2/NDF: 324934.2/20

All: 1602.829+/-0.244 χ^2/NDF: 583200.8/43

- sign 1587.799+/-0.342 χ^2/NDF: 254329.2/22

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 5592.588+/-2431.199 χ^2/NDF:2.7/4

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

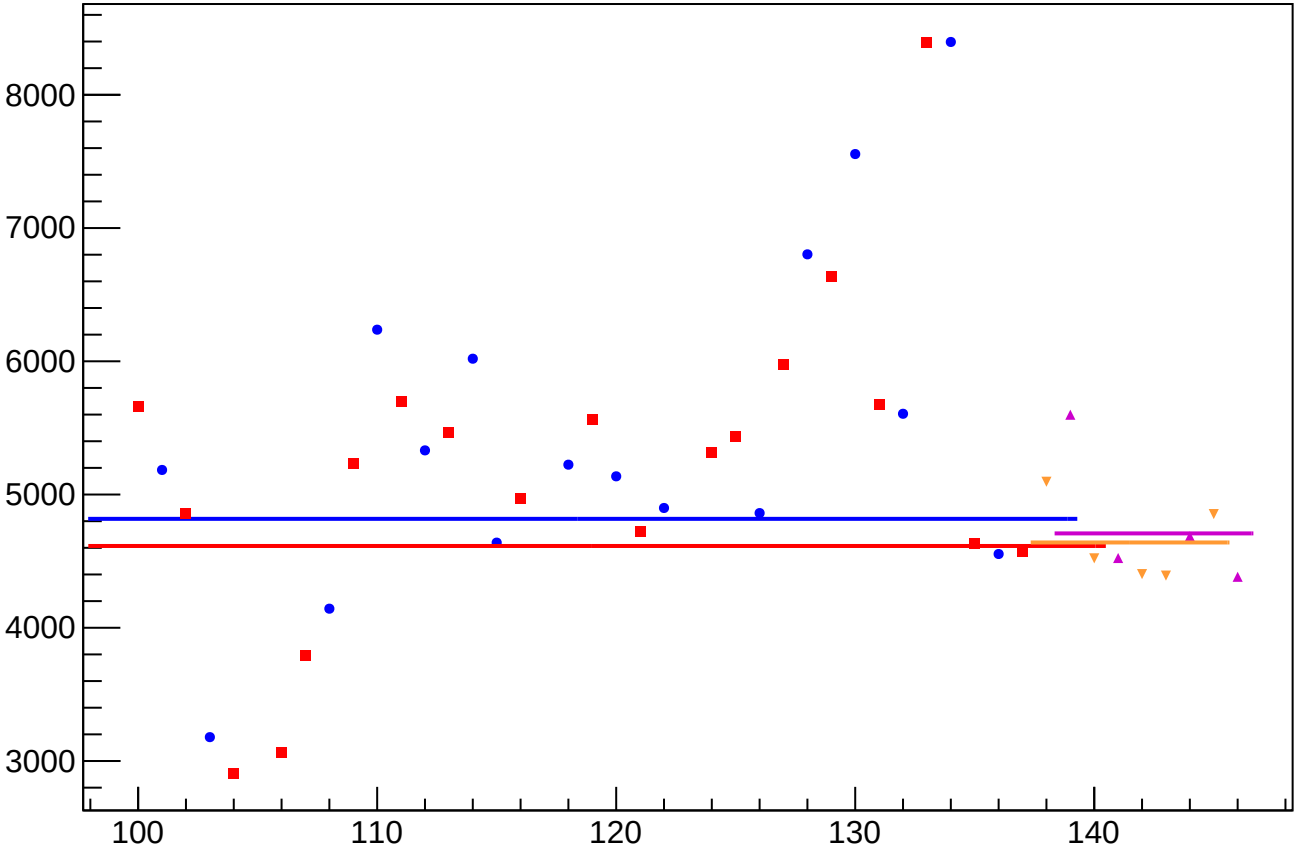
Left In: -413.026+/-2524.794 χ^2/NDF:1.0/3

\+ sign 1137.566+/-1471.387 χ^2/NDF: 21.8/20

All: 881.633+/-1031.621 χ^2/NDF: 39.4/43

\- sign 634.185+/-1446.790 χ^2/NDF: 17.5/22

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4640.191+/-1.719 χ^2/NDF:24239.4/4

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

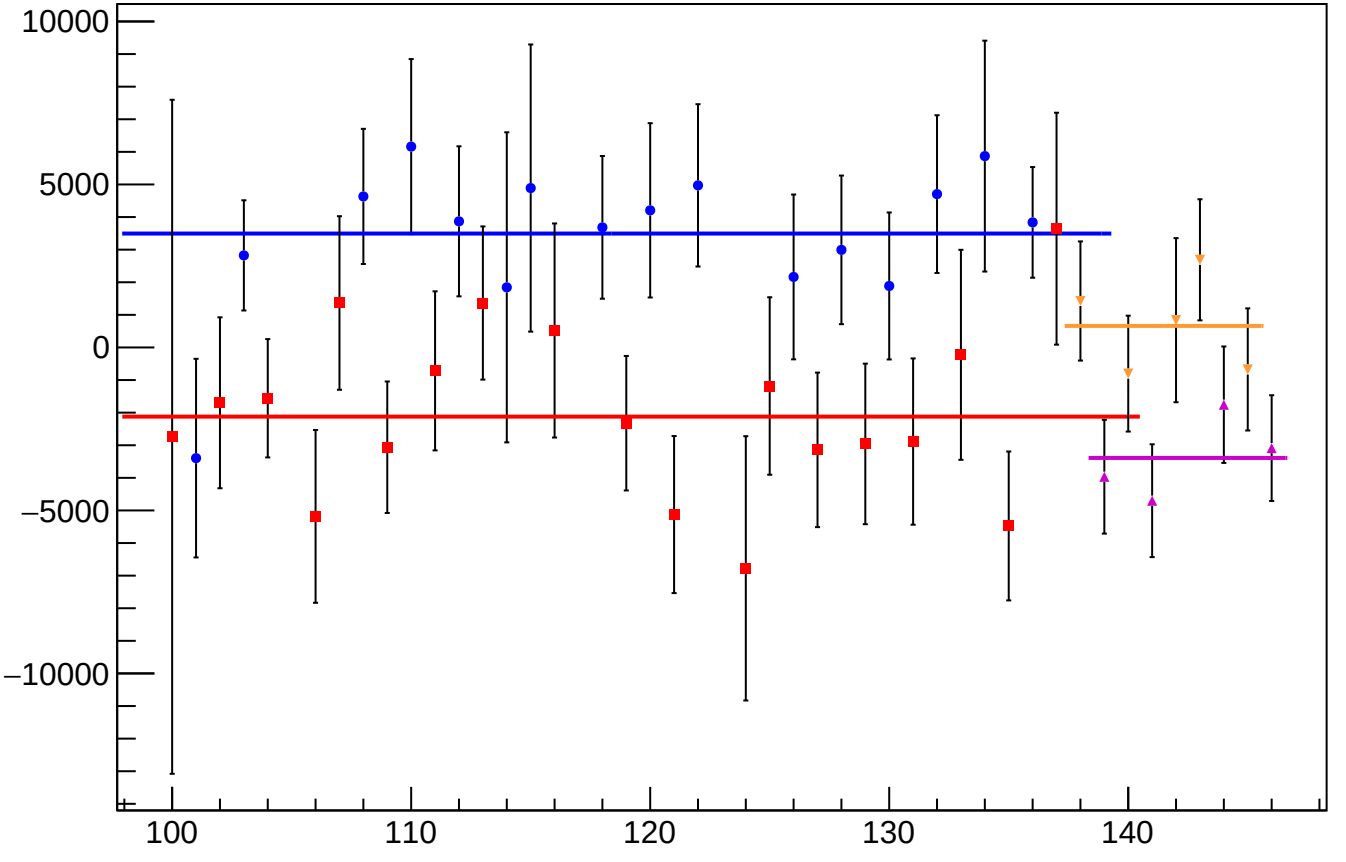
Left In: 4708.253+/-1.785 χ^2/NDF:55554.2/3

+ sign 4752.542+/-1.040 χ^2/NDF: 826212.5/20

All: 4697.788+/-0.729 χ^2/NDF: 1867050.2/43

- sign 4644.849+/-1.023 χ^2/NDF: 1035390.3/22

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 661.031+/-861.104 χ^2/NDF:2.6/4

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

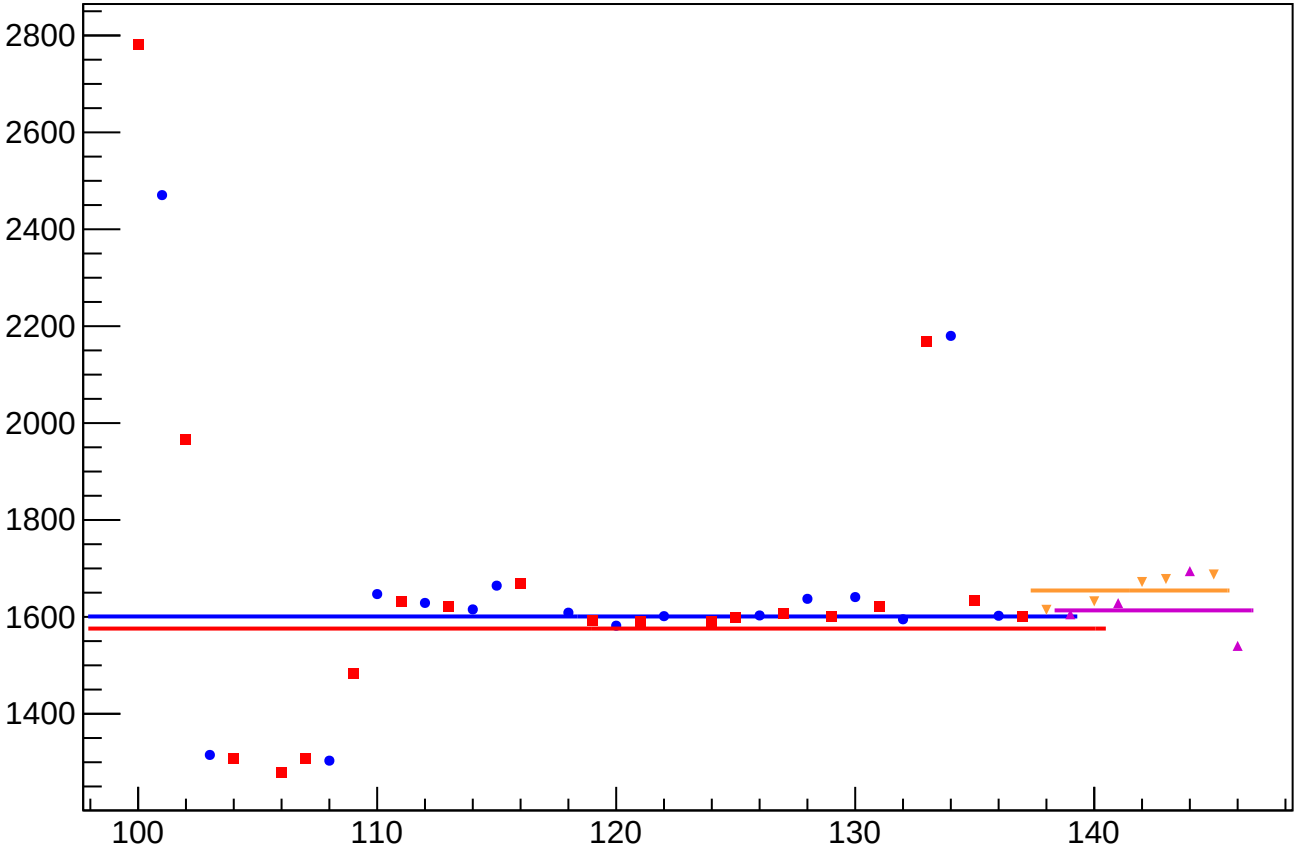
Left In: -3389.557+/-858.787 χ^2/NDF:1.6/3

+ sign 2565.678+/-492.936 χ^2/NDF: 18.6/20

All: -21.700+/-345.704 χ^2/NDF: 91.0/43

- sign -2526.011+/-484.959 χ^2/NDF: 18.1/22

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1654.469+/-0.609 χ^2/NDF:2313.4/4

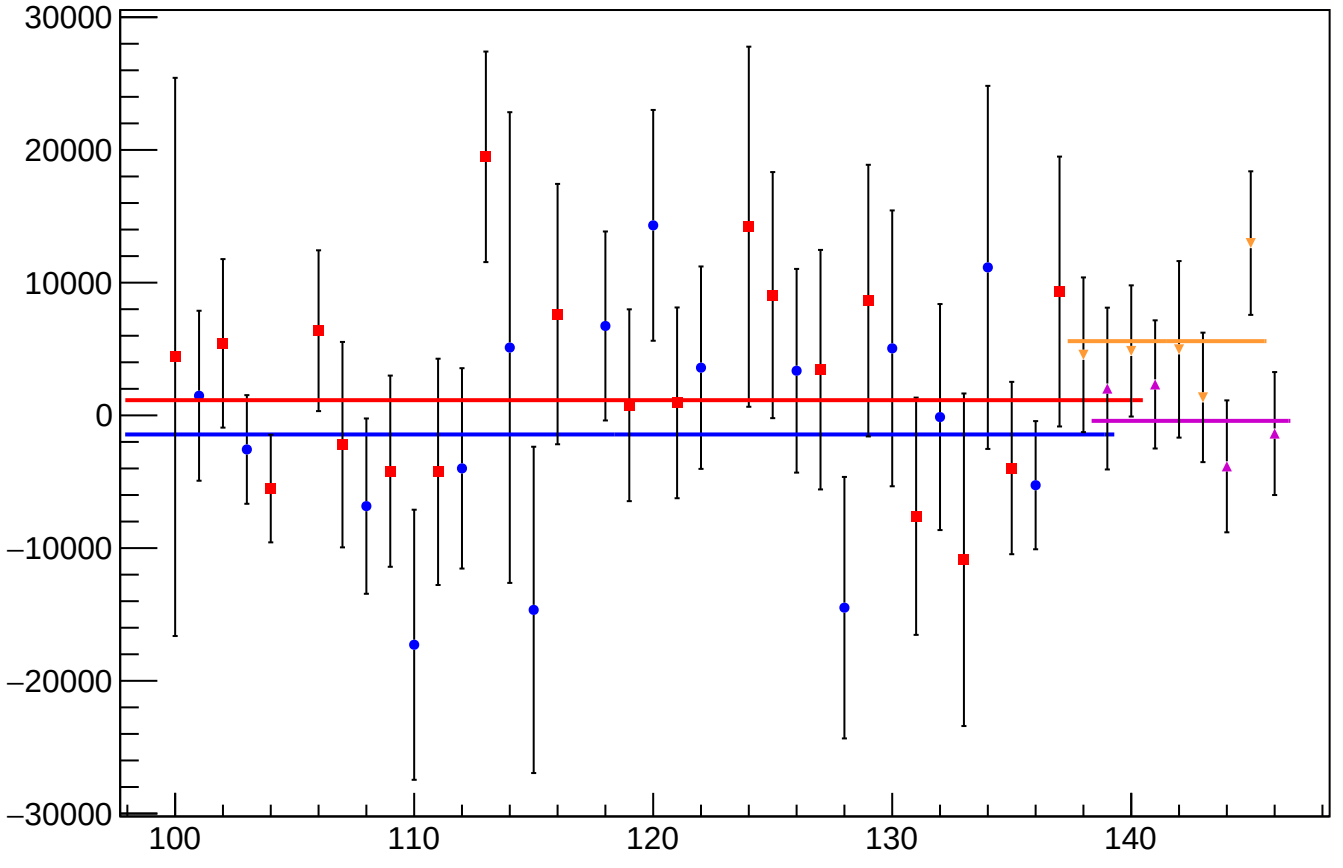
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

+ sign 1618.441+/-0.349 χ^2/NDF: 324934.2/20

All: 1602.829+/-0.244 χ^2/NDF: 583200.8/43

- sign 1587.799+/-0.342 χ^2/NDF: 254329.2/22



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 5592.588+/-2431.199 χ^2/NDF:2.7/4

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

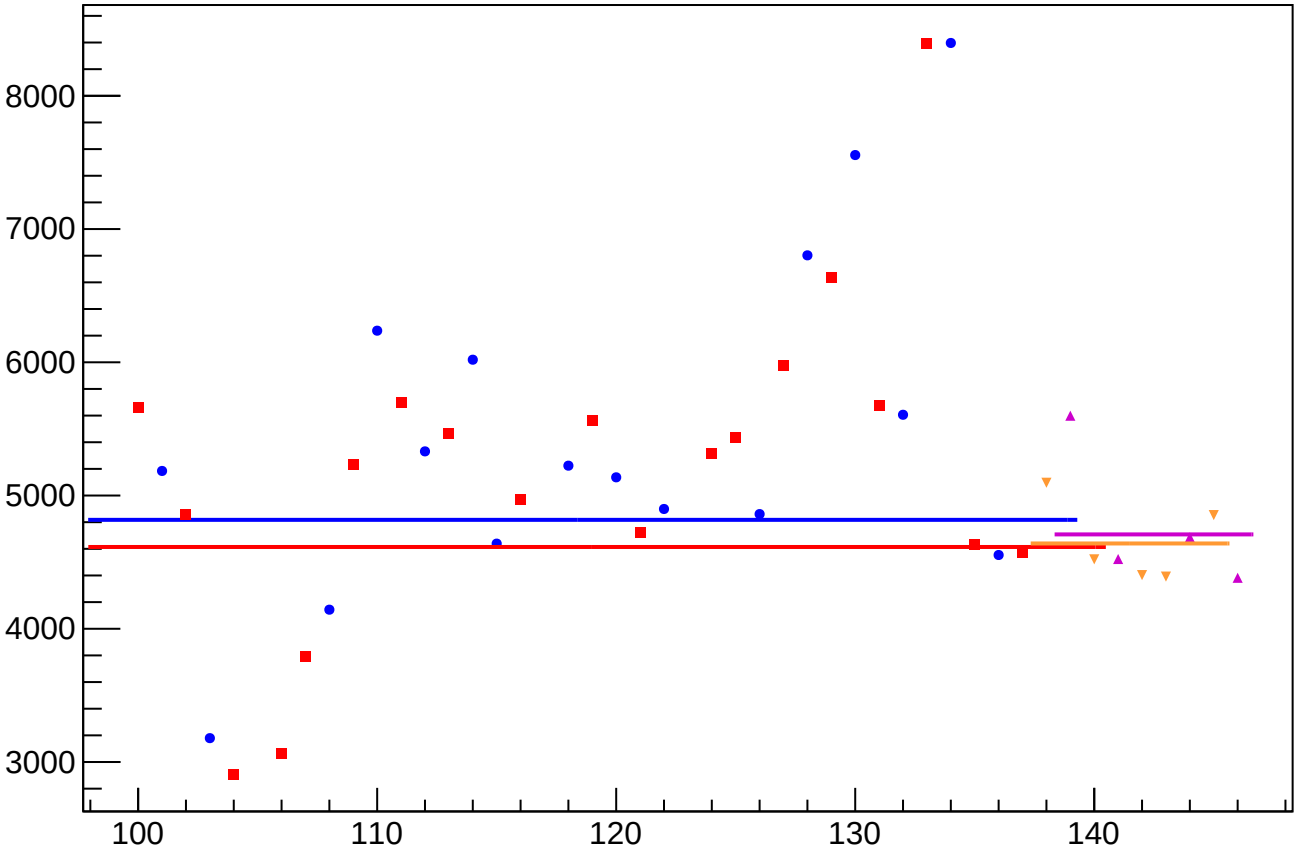
Left In: -413.026+/-2524.794 χ^2/NDF:1.0/3

+ sign 1137.566+/-1471.387 χ^2/NDF: 21.8/20

All: 881.633+/-1031.621 χ^2/NDF: 39.4/43

- sign 634.185+/-1446.790 χ^2/NDF: 17.5/22

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4640.191+/-1.719 χ^2/NDF:24239.4/4

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

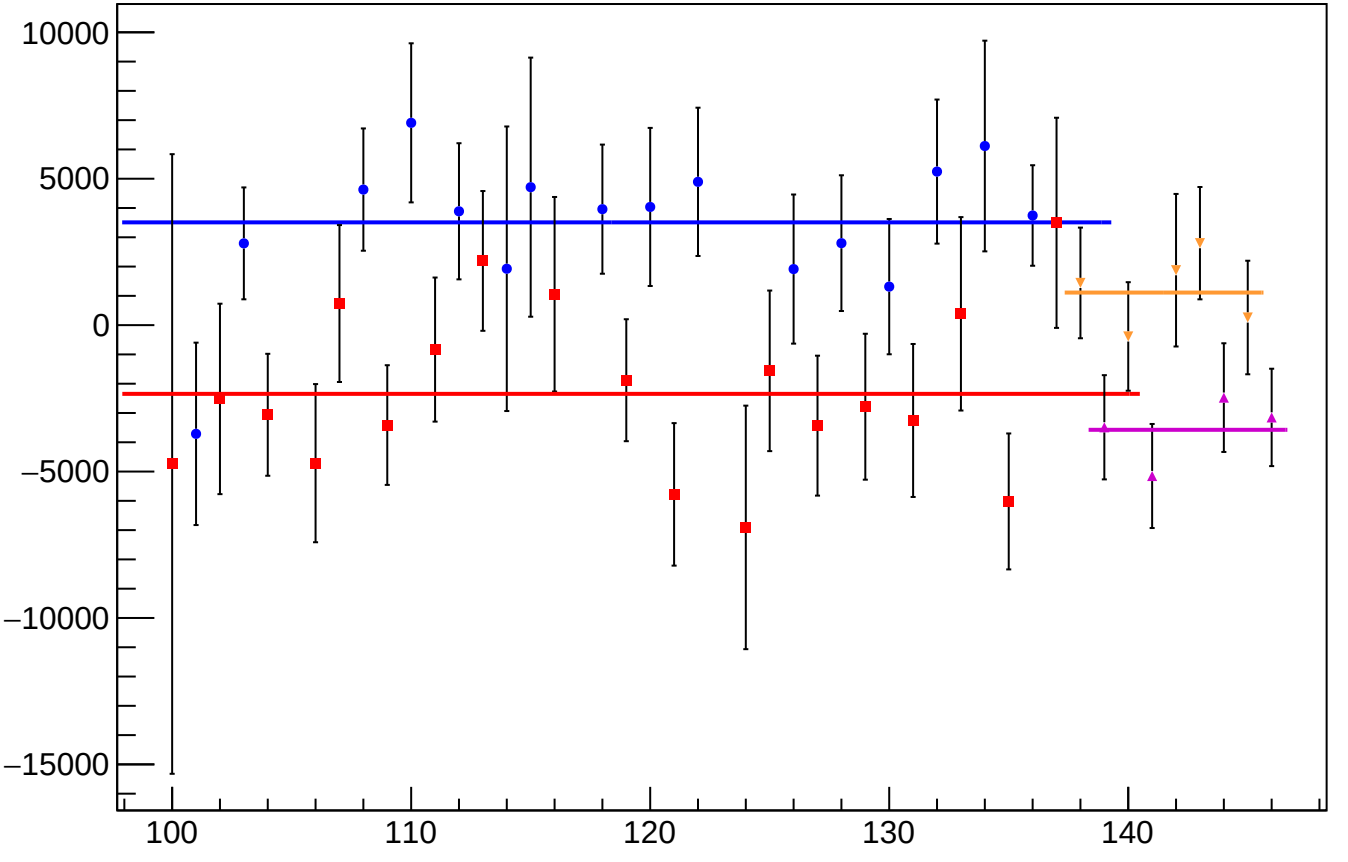
Left In: 4708.253+/-1.785 χ^2/NDF:55554.2/3

+ sign 4752.542+/-1.040 χ^2/NDF: 826212.5/20

All: 4697.788+/-0.729 χ^2/NDF: 1867050.2/43

- sign 4644.849+/-1.023 χ^2/NDF: 1035390.3/22

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1112.390+/-892.124 χ^2/NDF:1.7/4

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

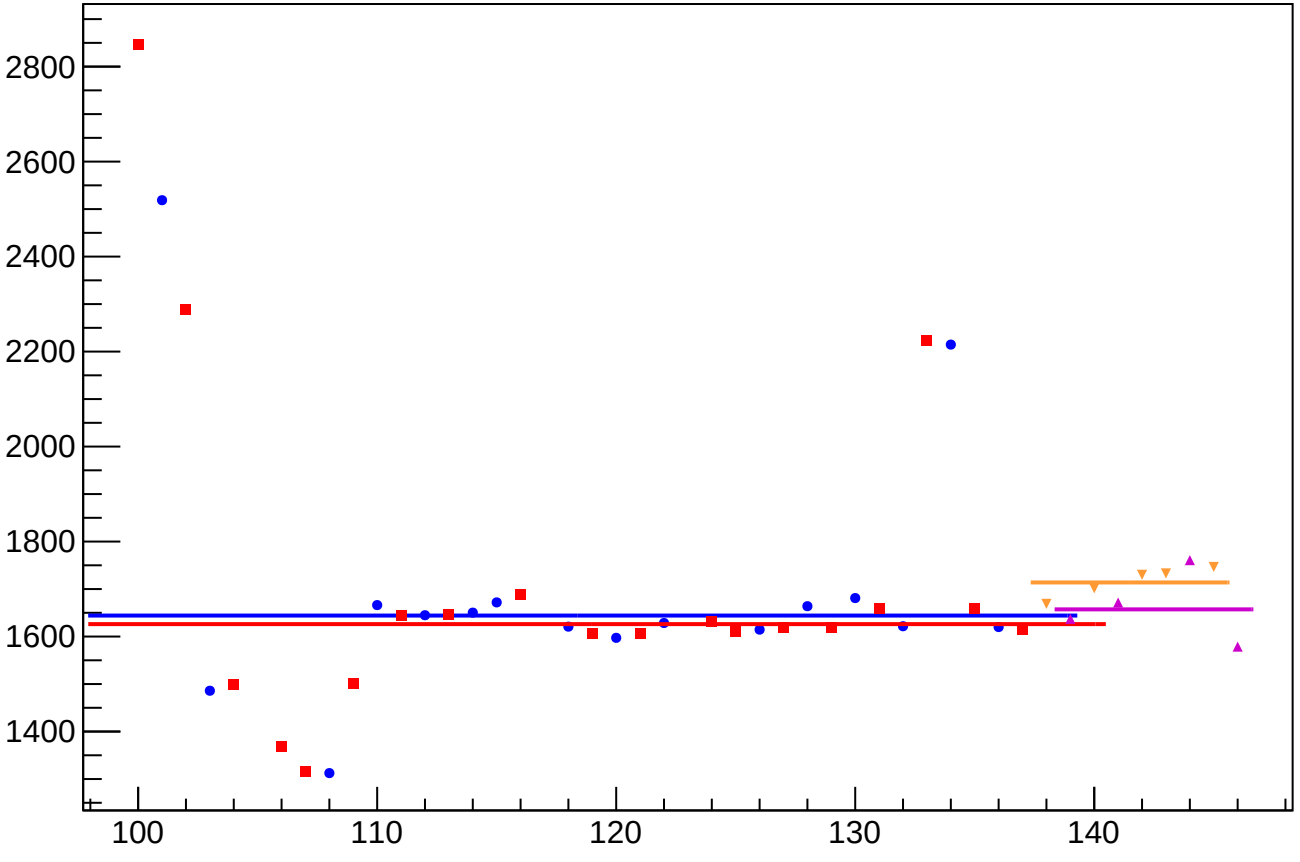
Left In: -3574.411+/-882.352 χ^2/NDF:1.2/3

+ sign 2734.371+/-507.305 χ^2/NDF: 17.0/20

All: -41.300+/-356.243 χ^2/NDF: 95.7/43

- sign -2741.628+/-500.373 χ^2/NDF: 19.6/22

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1713.904+/-0.631 χ^2/NDF:2068.9/4

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

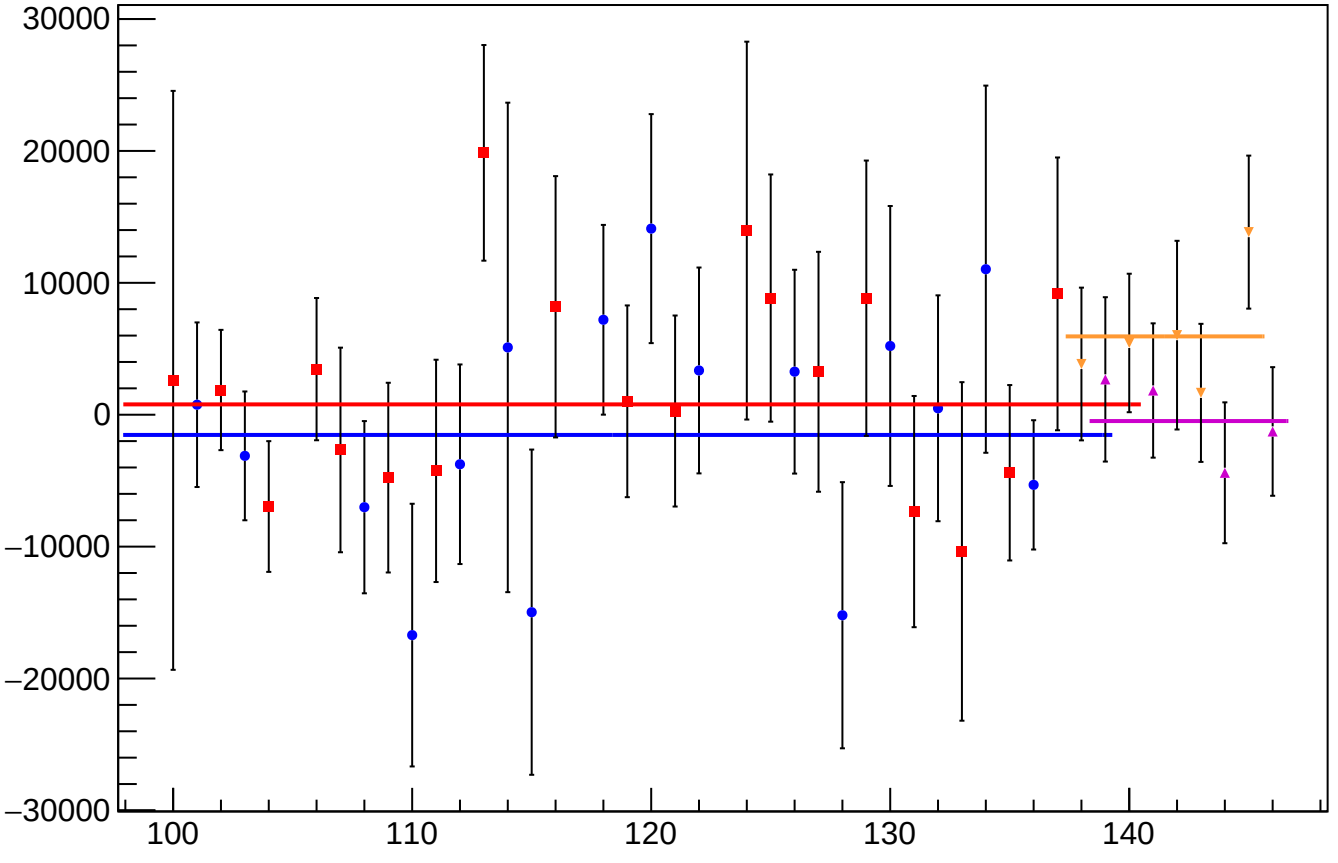
Left In: 1657.235+/-0.624 χ^2/NDF:11070.7/3

+ sign 1666.738+/-0.359 χ^2/NDF: 285148.5/20

All: 1651.225+/-0.252 χ^2/NDF: 539228.1/43

- sign 1636.151+/-0.354 χ^2/NDF: 250392.2/22

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 5938.436+/-2565.930 χ^2/NDF:2.7/4

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

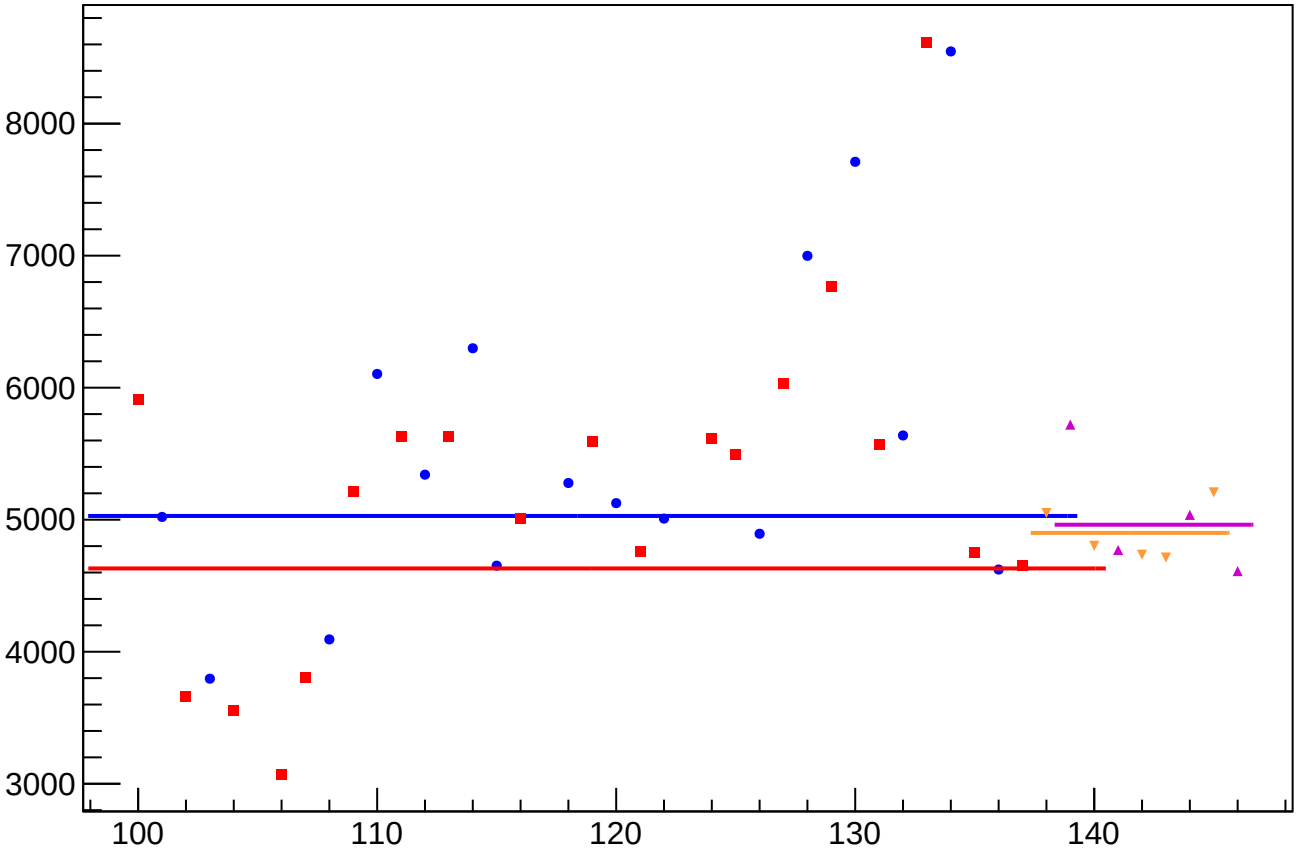
Left In: -479.752+/-2658.744 χ^2/NDF:1.0/3

\+ sign 1138.215+/-1534.090 χ^2/NDF: 22.0/20

All: 752.449+/-1057.954 χ^2/NDF: 38.3/43

\- sign 402.597+/-1460.935 χ^2/NDF: 16.2/22

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4900.261+/-1.814 χ^2/NDF:11251.5/4

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

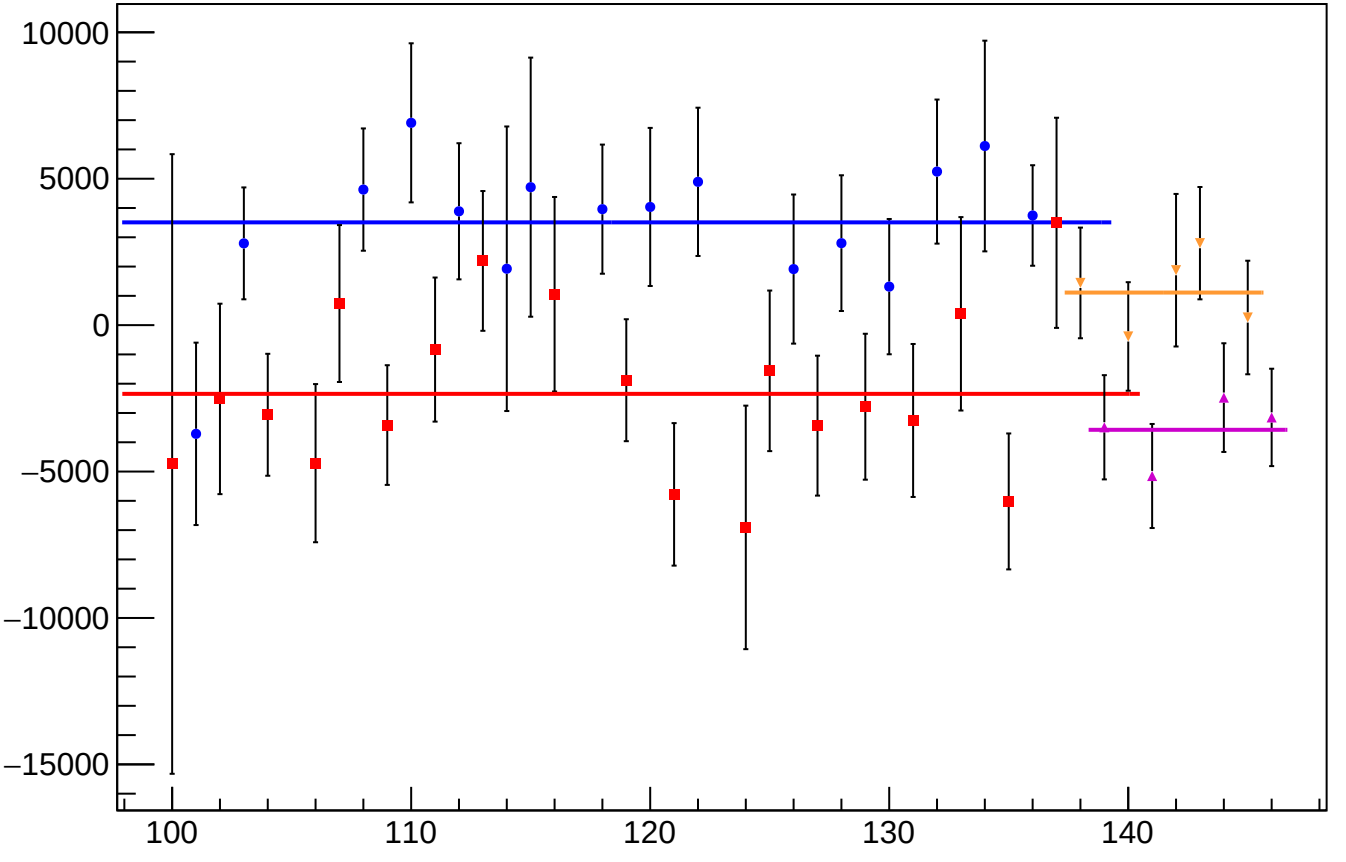
Left In: 4962.009+/-1.880 χ^2/NDF:43227.1/3

+ sign 4982.629+/-1.085 χ^2/NDF: 579928.3/20

All: 4850.605+/-0.748 χ^2/NDF: 1536569.3/43

- sign 4730.873+/-1.033 χ^2/NDF: 928395.0/22

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1112.395+/-892.124 χ^2/NDF:1.7/4

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

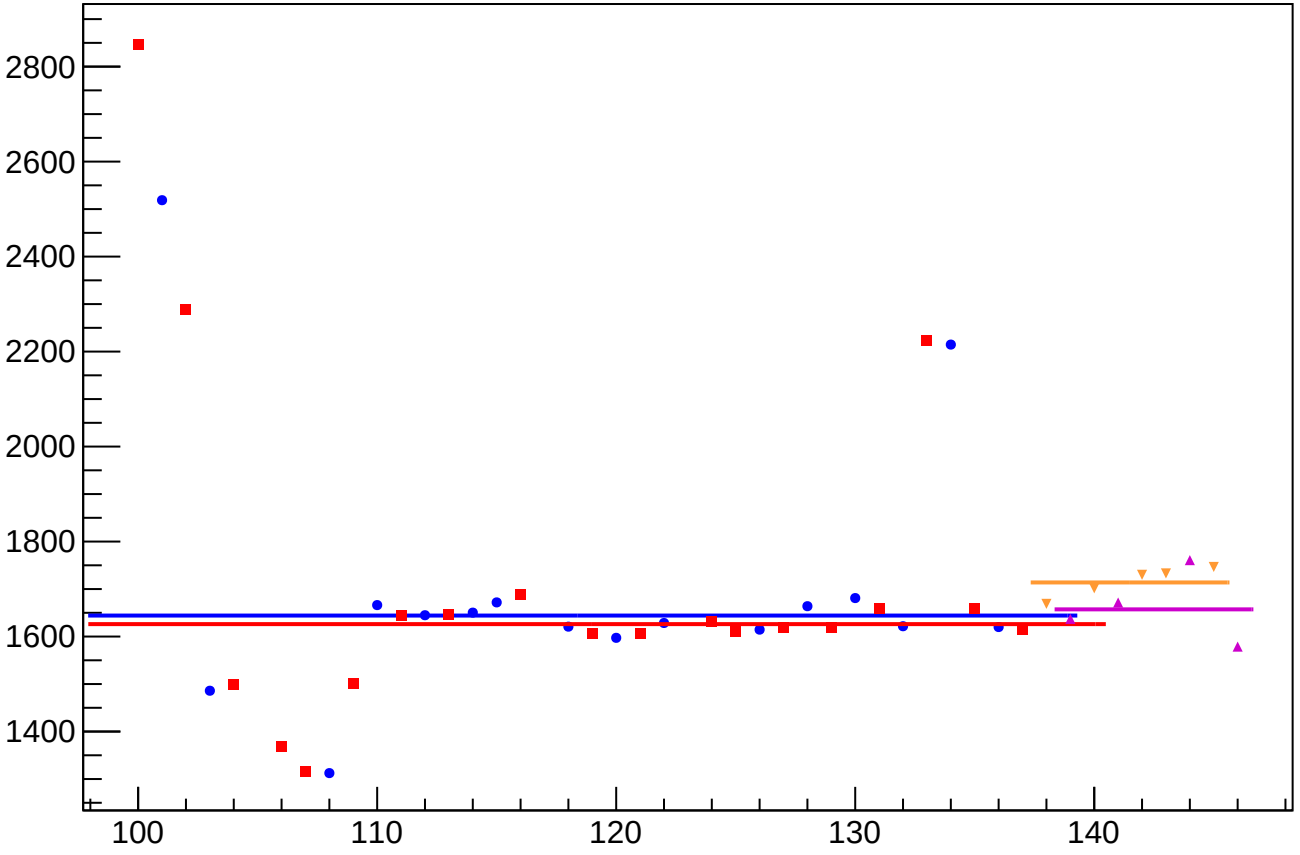
Left In: -3574.402+/-882.353 χ^2/NDF:1.2/3

\+ sign 2734.376+/-507.305 χ^2/NDF: 17.0/20

All: -41.298+/-356.243 χ^2/NDF: 95.7/43

\- sign -2741.629+/-500.373 χ^2/NDF: 19.6/22

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1713.905+/-0.631 χ^2/NDF:2069.0/4

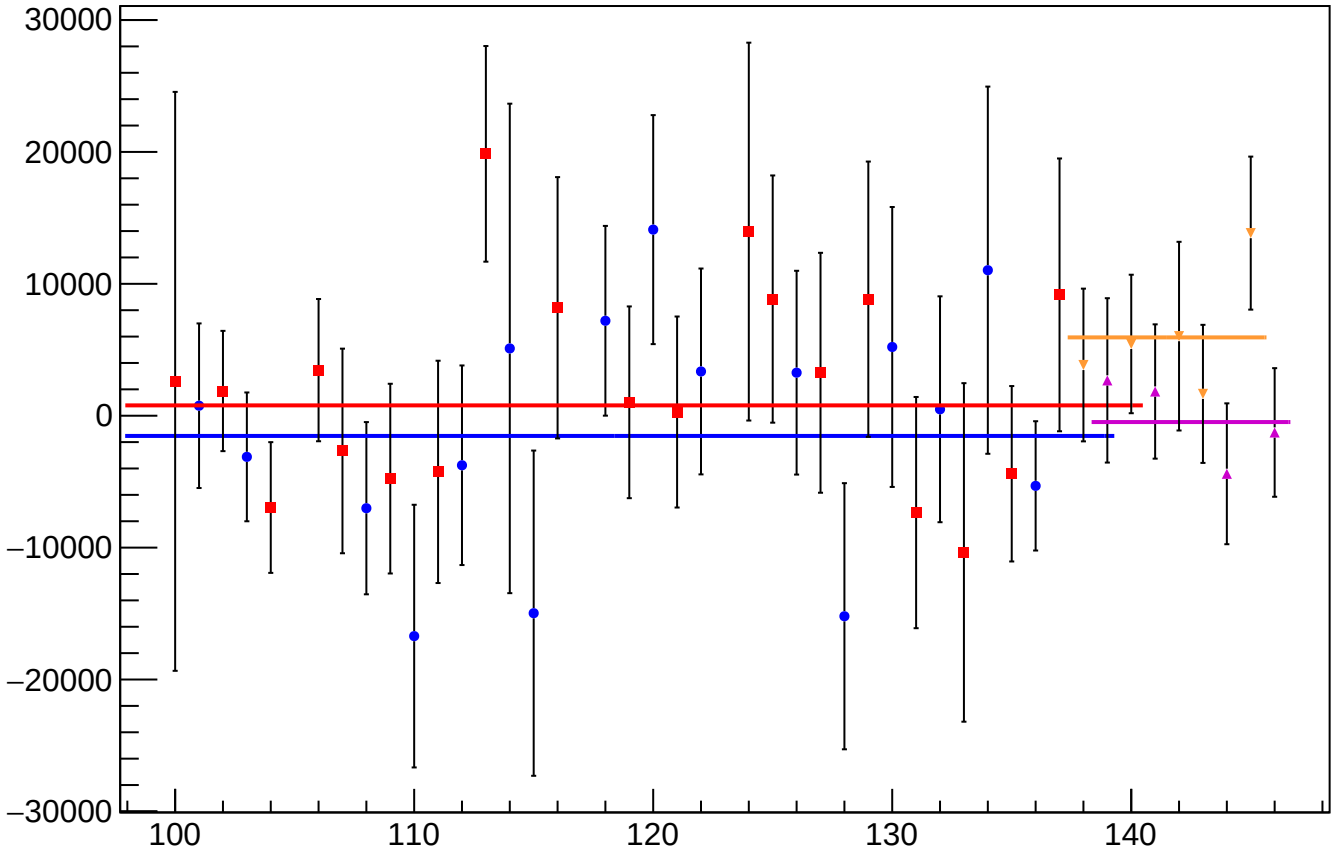
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1657.236+/-0.624 χ^2/NDF:11070.6/3

+ sign 1666.738+/-0.359 χ^2/NDF: 285149.1/20

All: 1651.225+/-0.252 χ^2/NDF: 539228.4/43

- sign 1636.151+/-0.354 χ^2/NDF: 250391.9/22



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 5938.443+/-2565.934 χ^2/NDF:2.7/4

Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

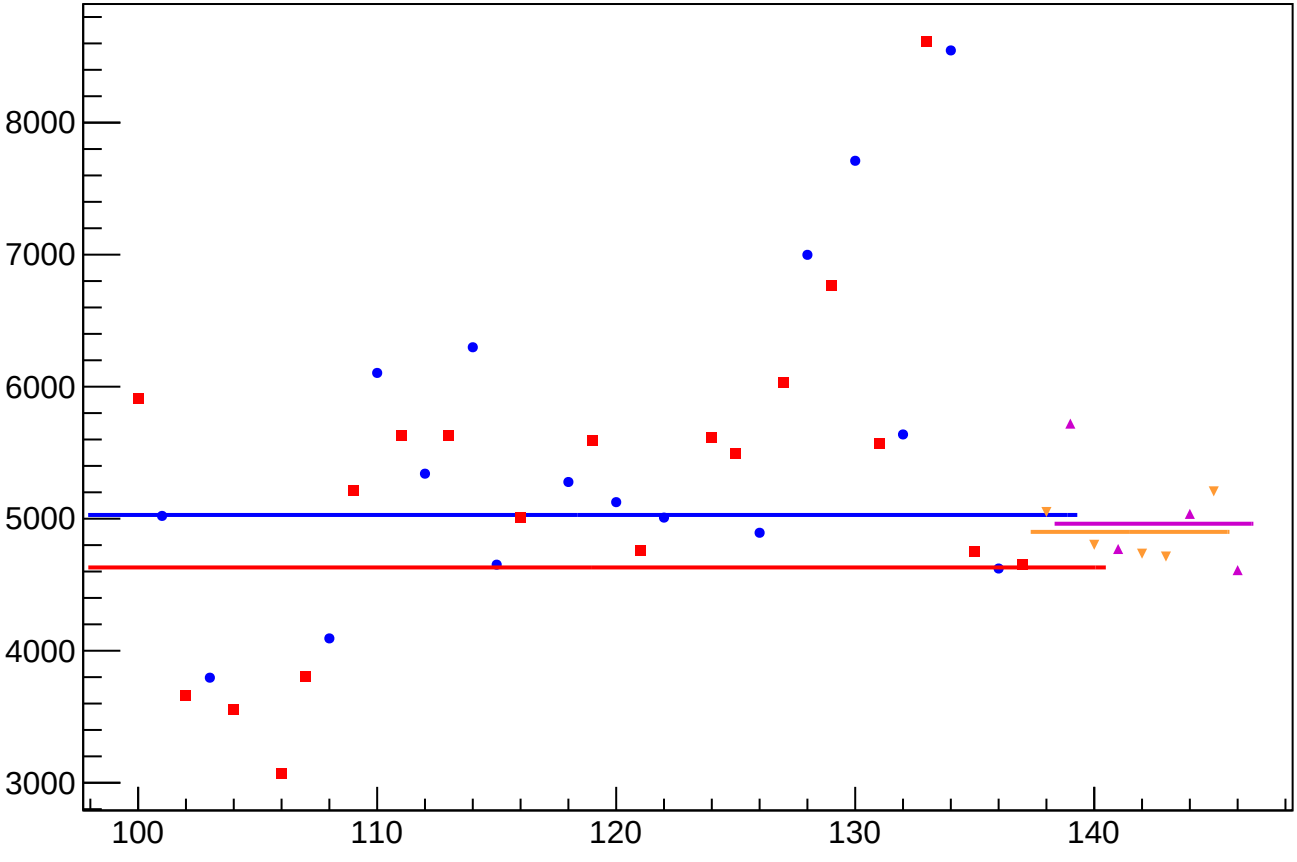
Left In: -479.742+/-2658.748 χ^2/NDF:1.0/3

\+ sign 1138.217+/-1534.089 χ^2/NDF: 22.0/20

All: 752.453+/-1057.953 χ^2/NDF: 38.3/43

\- sign 402.603+/-1460.934 χ^2/NDF: 16.2/22

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4900.268+/-1.814 χ^2/NDF:11251.8/4

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

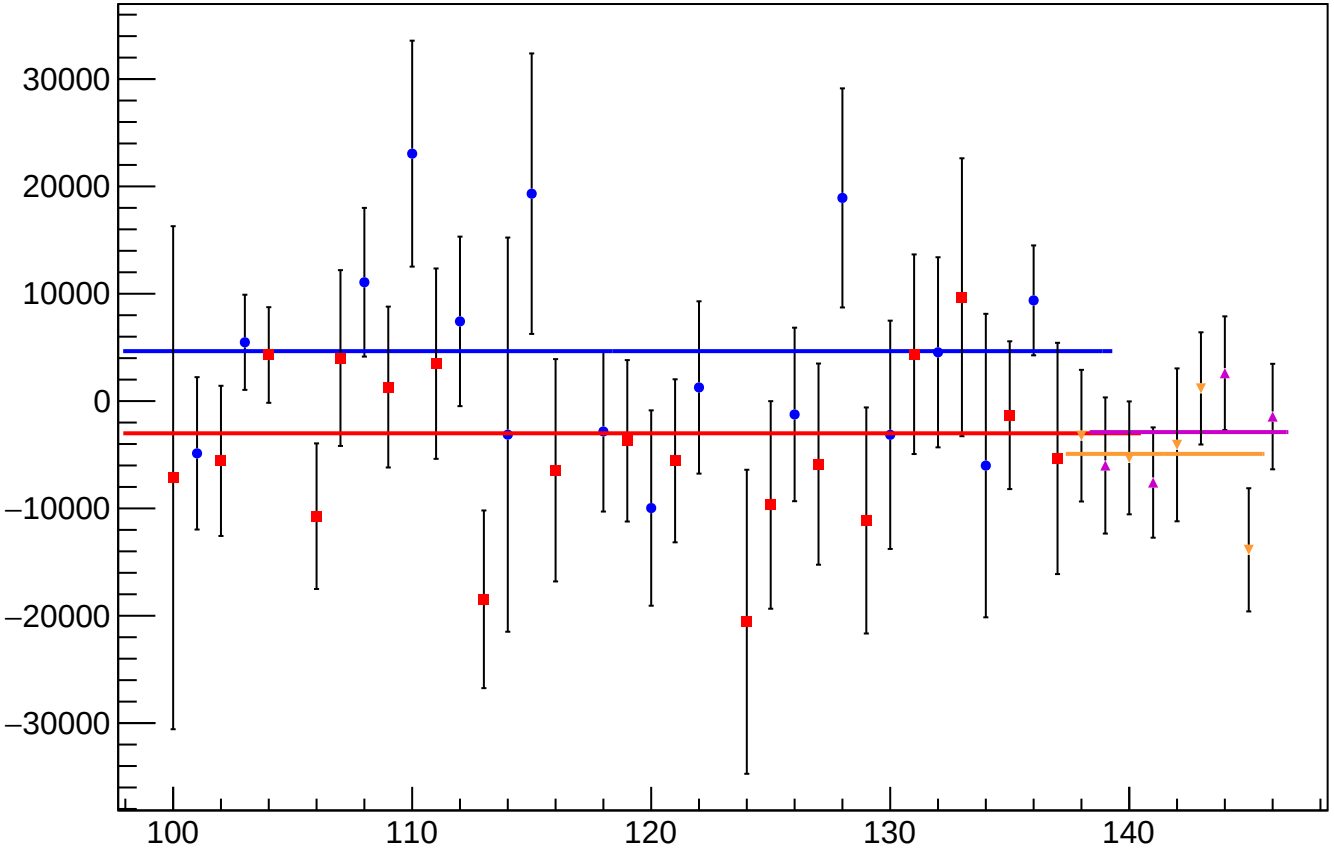
Left In: 4962.016+/-1.880 χ^2/NDF:43227.7/3

+ sign 4982.627+/-1.085 χ^2/NDF: 579921.6/20

All: 4850.603+/-0.748 χ^2/NDF: 1536559.3/43

- sign 4730.870+/-1.033 χ^2/NDF: 928391.2/22

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -4917.913+/-2587.090 χ^2/NDF:3.9/4

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

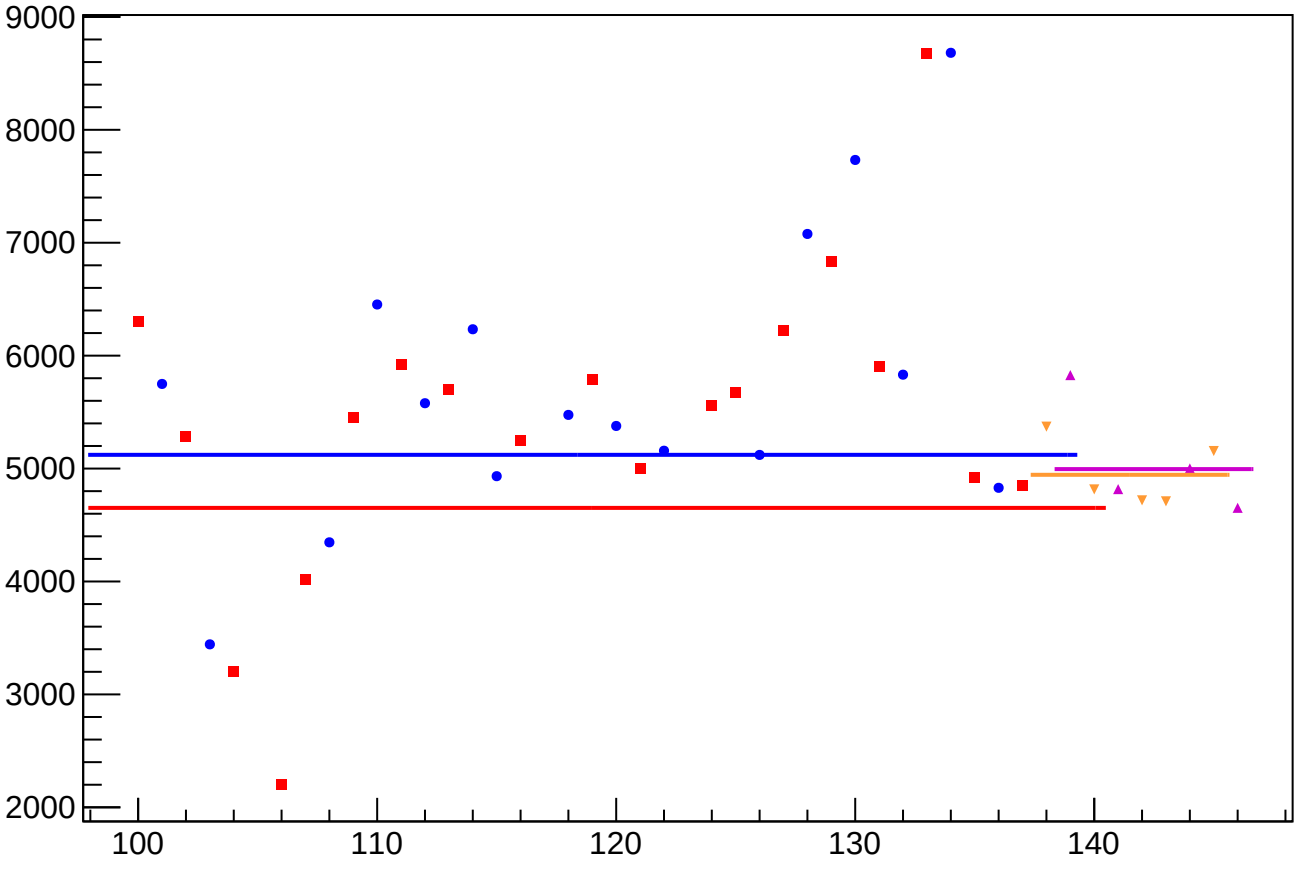
Left In: -2888.571+/-2674.709 χ^2/NDF:2.2/3

+ sign 1166.326+/-1561.514 χ^2/NDF: 28.1/20

All: -927.868+/-1096.333 χ^2/NDF: 47.8/43

- sign -2963.735+/-1539.615 χ^2/NDF: 16.1/22

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4944.784+/-1.829 χ^2/NDF:19633.5/4

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

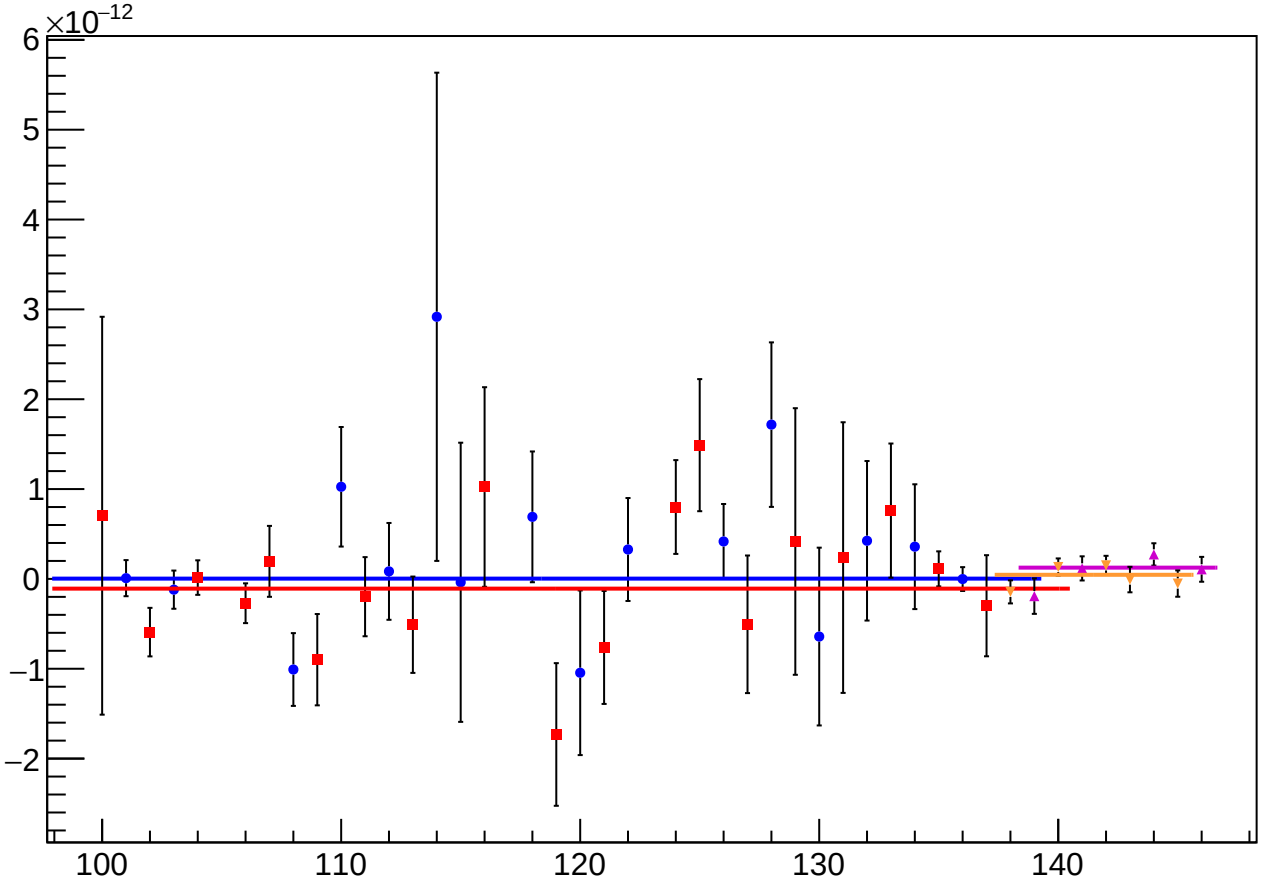
Left In: 4995.298+/-1.891 χ^2/NDF:46552.8/3

+ sign 5057.212+/-1.104 χ^2/NDF: 745945.2/20

All: 4902.423+/-0.765 χ^2/NDF: 2197768.5/43

- sign 4759.699+/-1.060 χ^2/NDF: 1414049.8/22

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/4

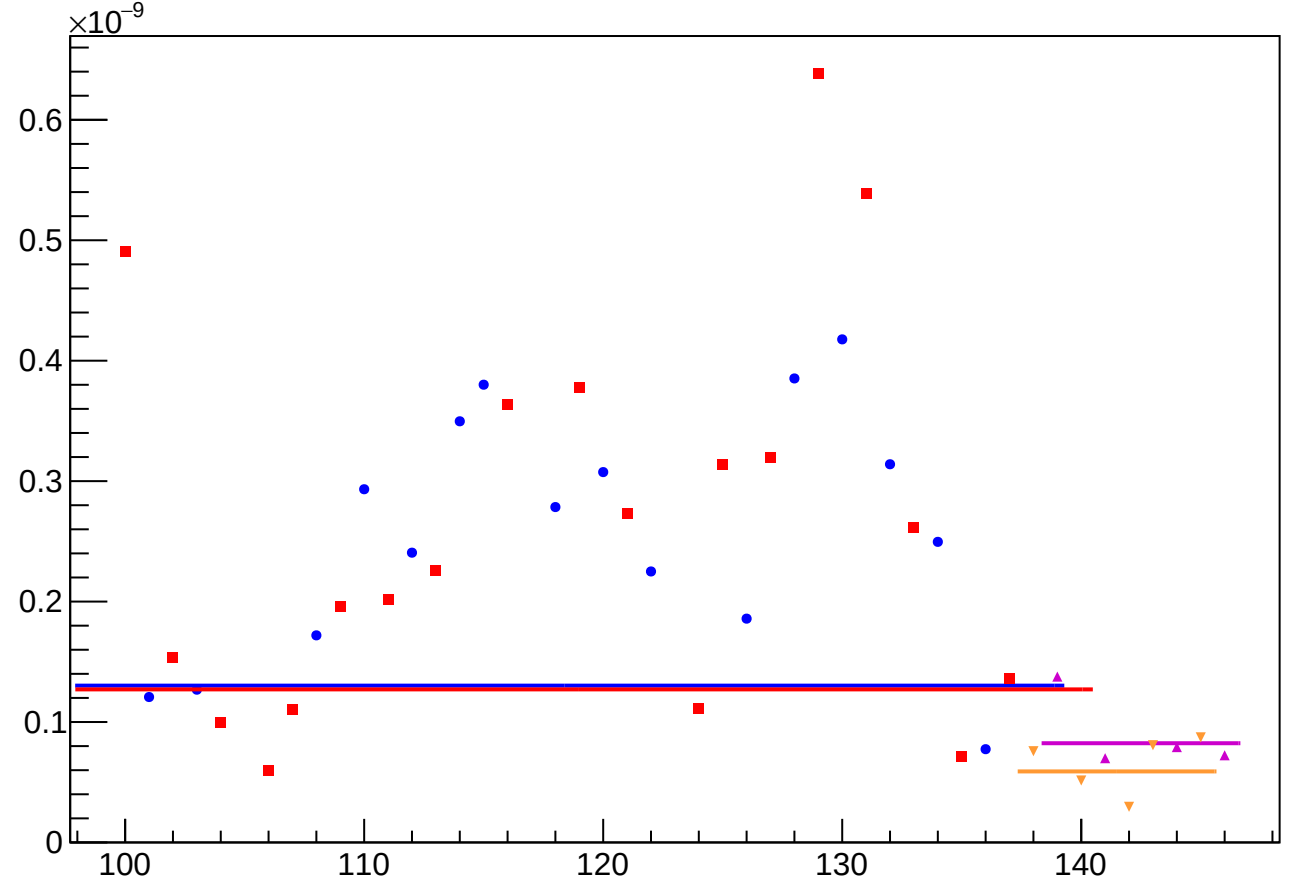
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/20

All: 0.000+/-0.000 χ^2/NDF: 56.1/43

- sign 0.000+/-0.000 χ^2/NDF: 33.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:320770.0/4

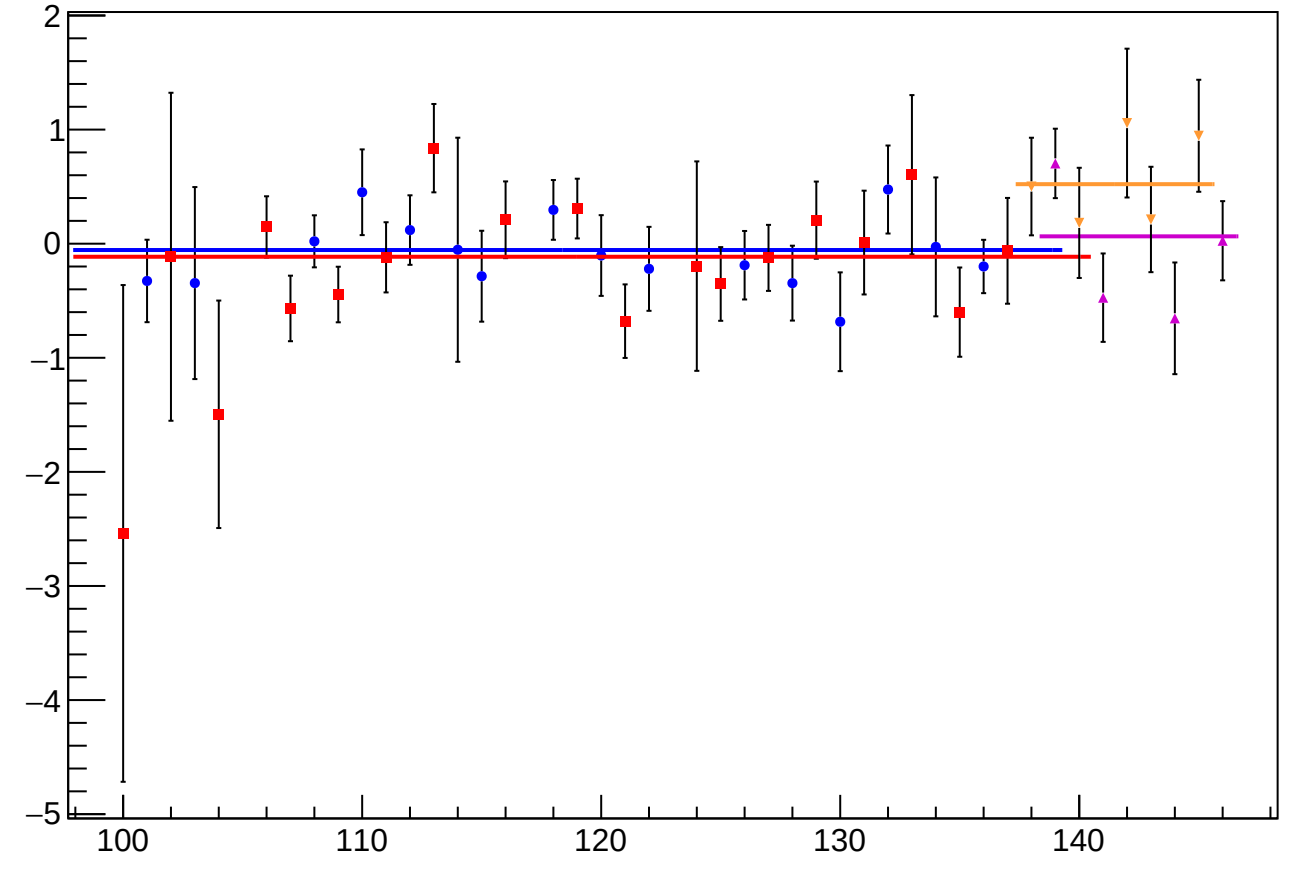
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:185950.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 2634809.1/20

All: 0.000+/-0.000 χ^2/NDF: 5034711.5/43

- sign 0.000+/-0.000 χ^2/NDF: 2225955.4/22



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

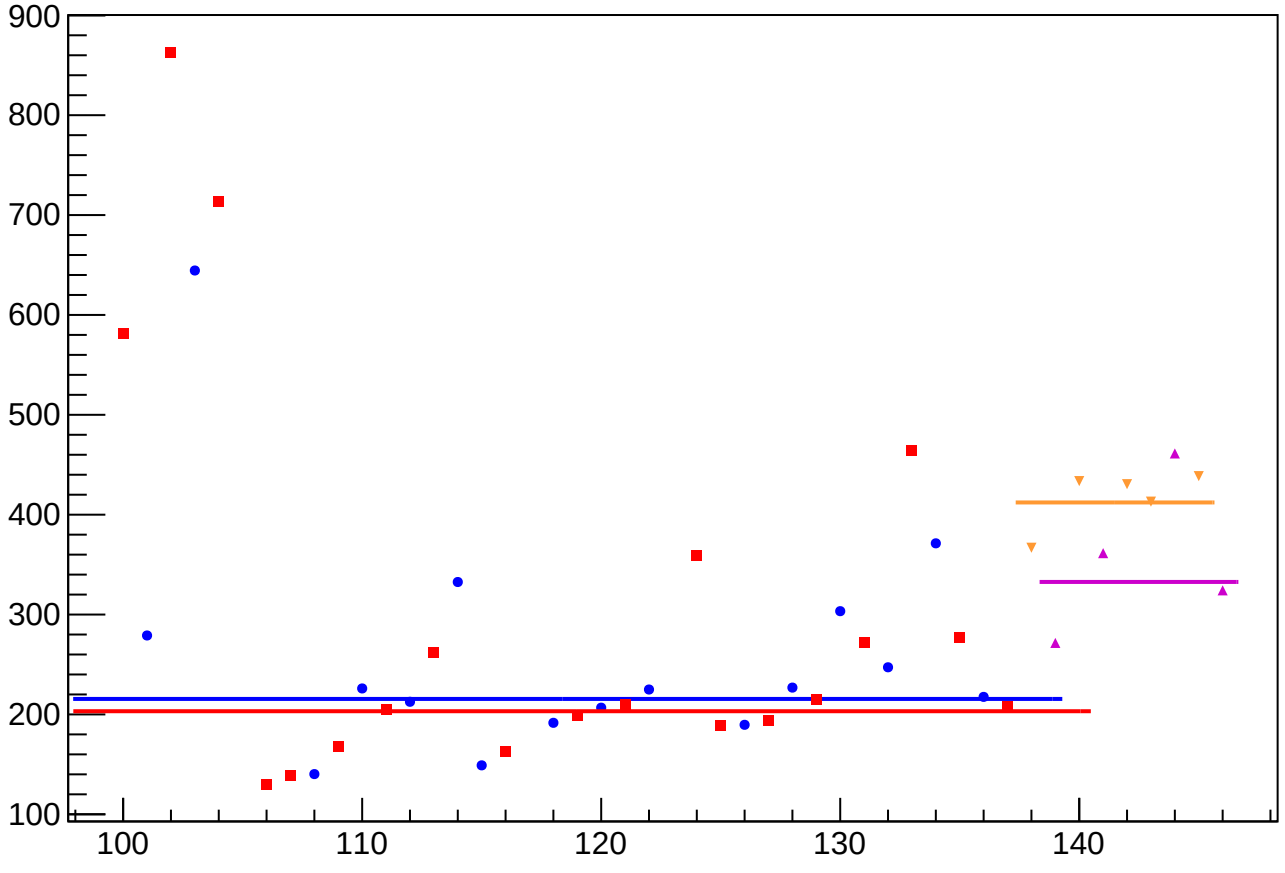
Left In: 0.064+/-0.183 χ^2/NDF:8.5/3

+ sign 0.021+/-0.080 χ^2/NDF: 19.1/20

All: -0.034+/-0.055 χ^2/NDF: 54.5/43

- sign -0.084+/-0.076 χ^2/NDF: 34.5/22

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: 412.244+/-0.154 χ^2/NDF:33737.9/4

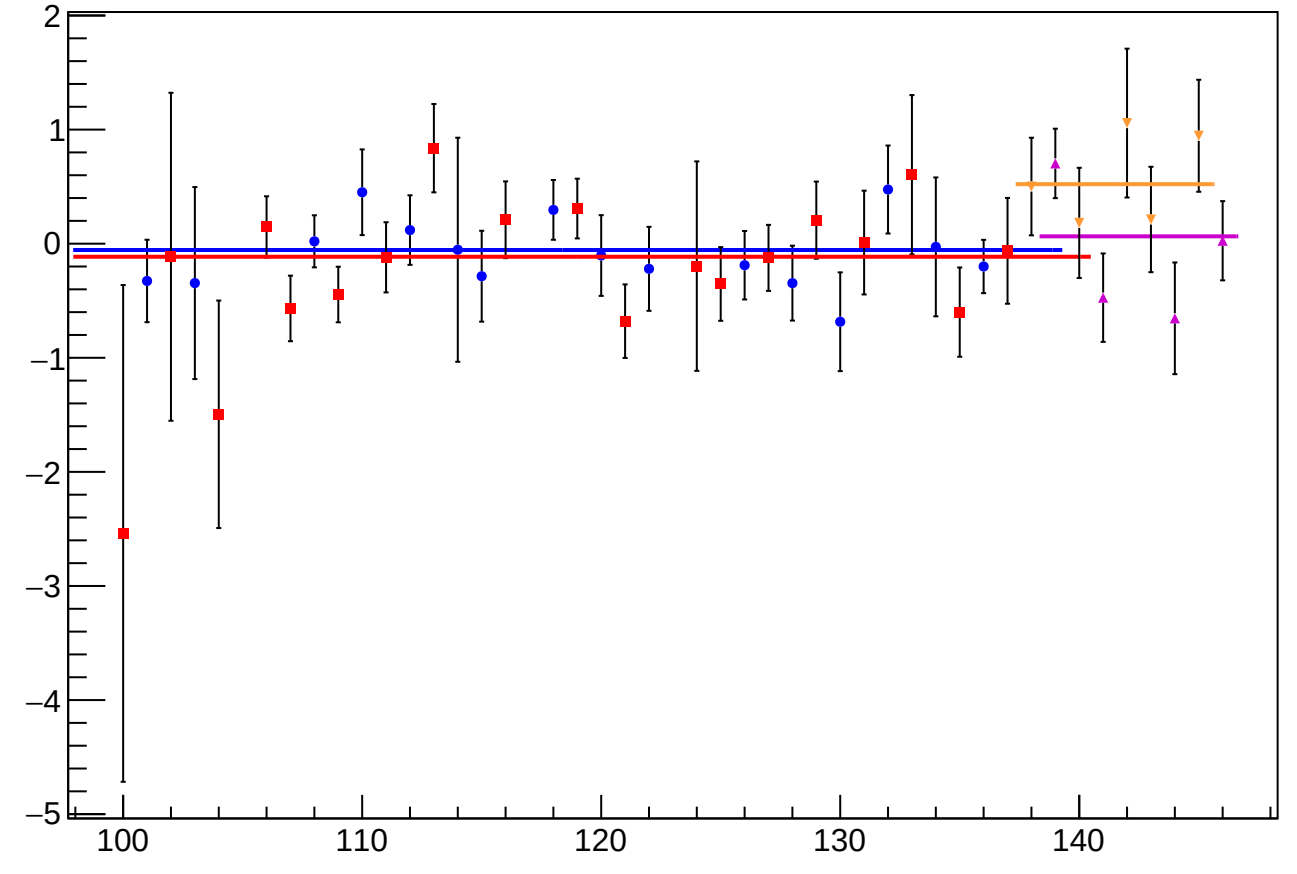
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 332.658+/-0.129 χ^2/NDF:230888.5/3

+ sign 241.627+/-0.056 χ^2/NDF: 2588630.8/20

All: 233.128+/-0.039 χ^2/NDF: 5529533.5/43

- sign 225.435+/-0.054 χ^2/NDF: 2897463.4/22



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

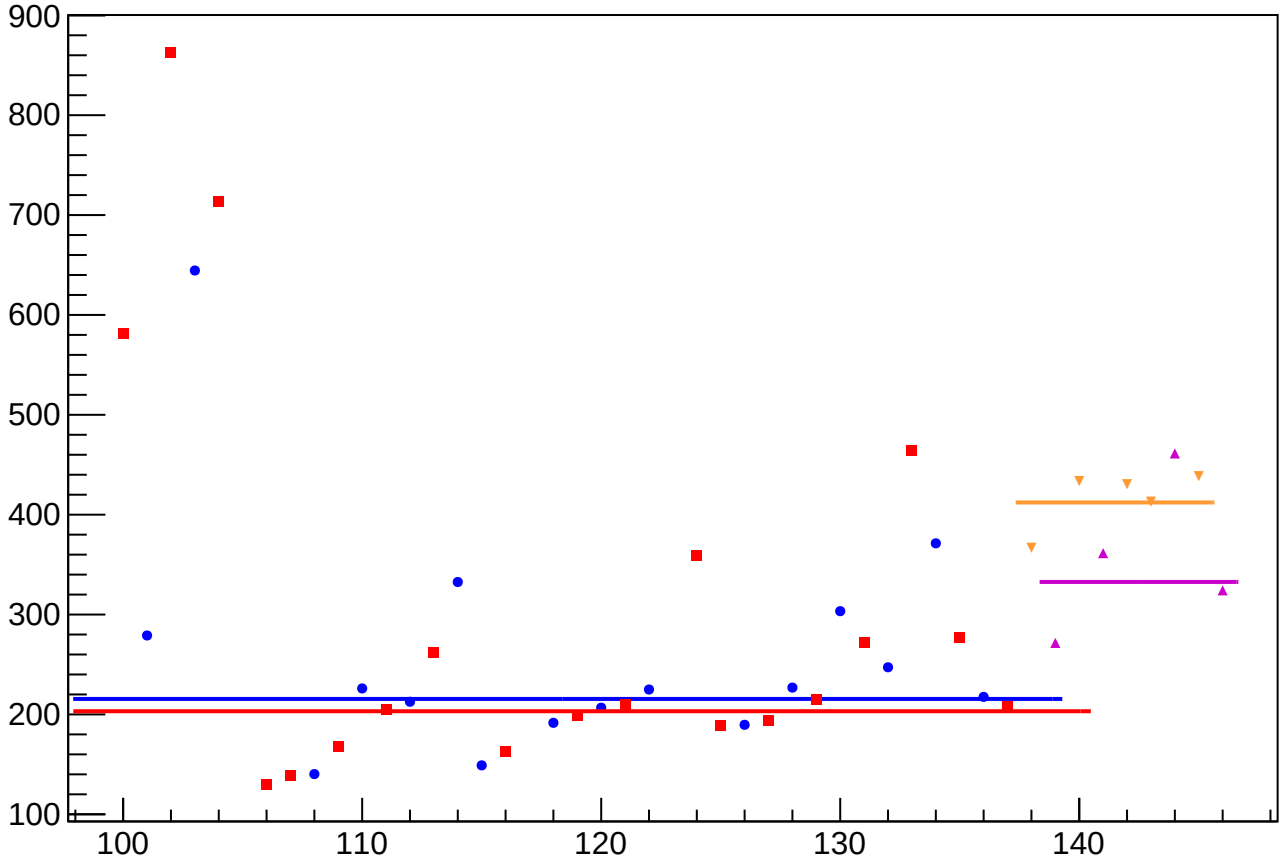
Left In: 0.064+/-0.183 χ^2/NDF:8.5/3

+ sign 0.021+/-0.080 χ^2/NDF: 19.1/20

All: -0.034+/-0.055 χ^2/NDF: 54.5/43

- sign -0.084+/-0.076 χ^2/NDF: 34.5/22

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 412.244+/-0.154 χ^2/NDF:33737.9/4

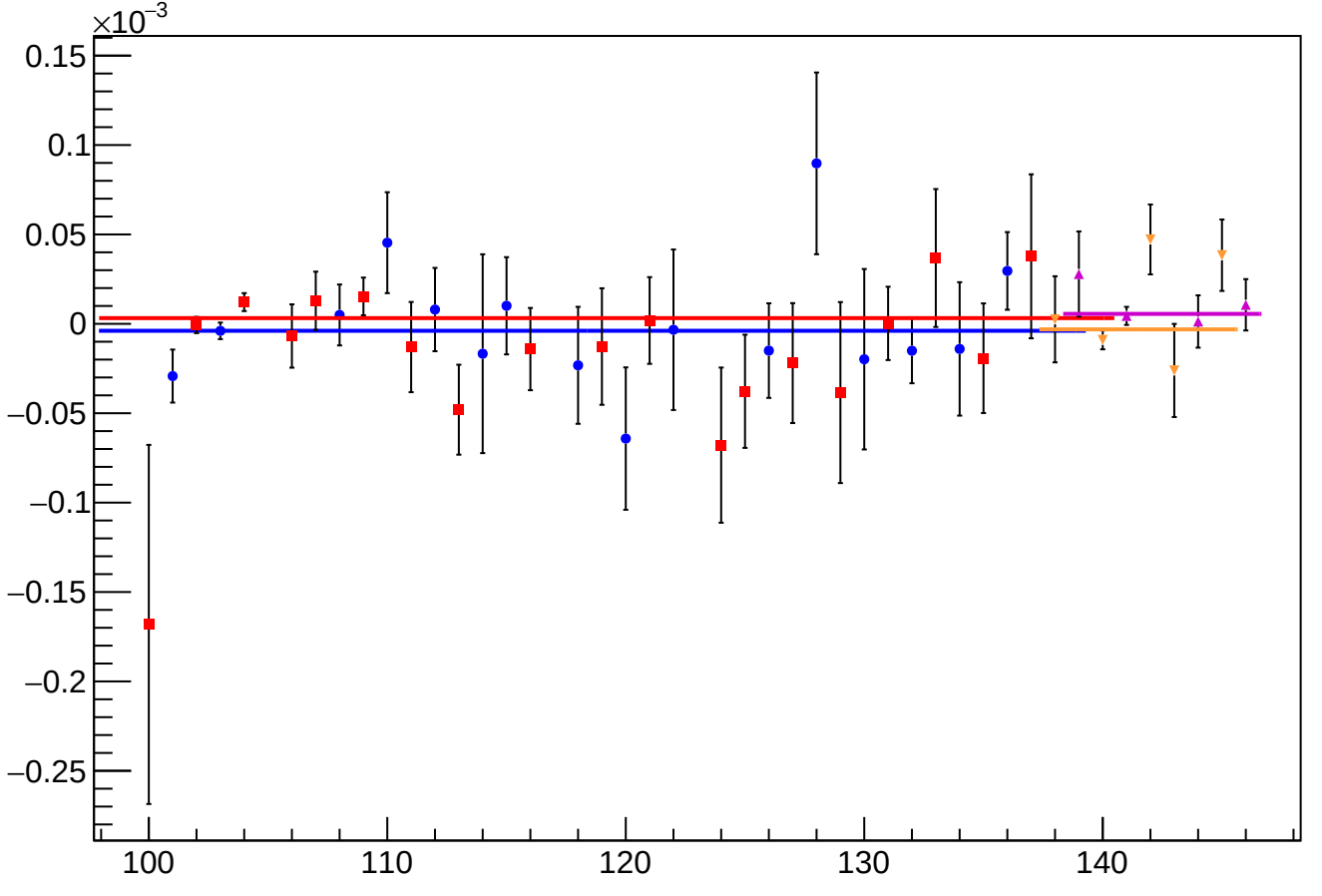
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 332.658+/-0.129 χ^2/NDF:230888.5/3

+ sign 241.627+/-0.056 χ^2/NDF: 2588630.8/20

All: 233.128+/-0.039 χ^2/NDF: 5529533.5/43

- sign 225.435+/-0.054 χ^2/NDF: 2897463.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/4

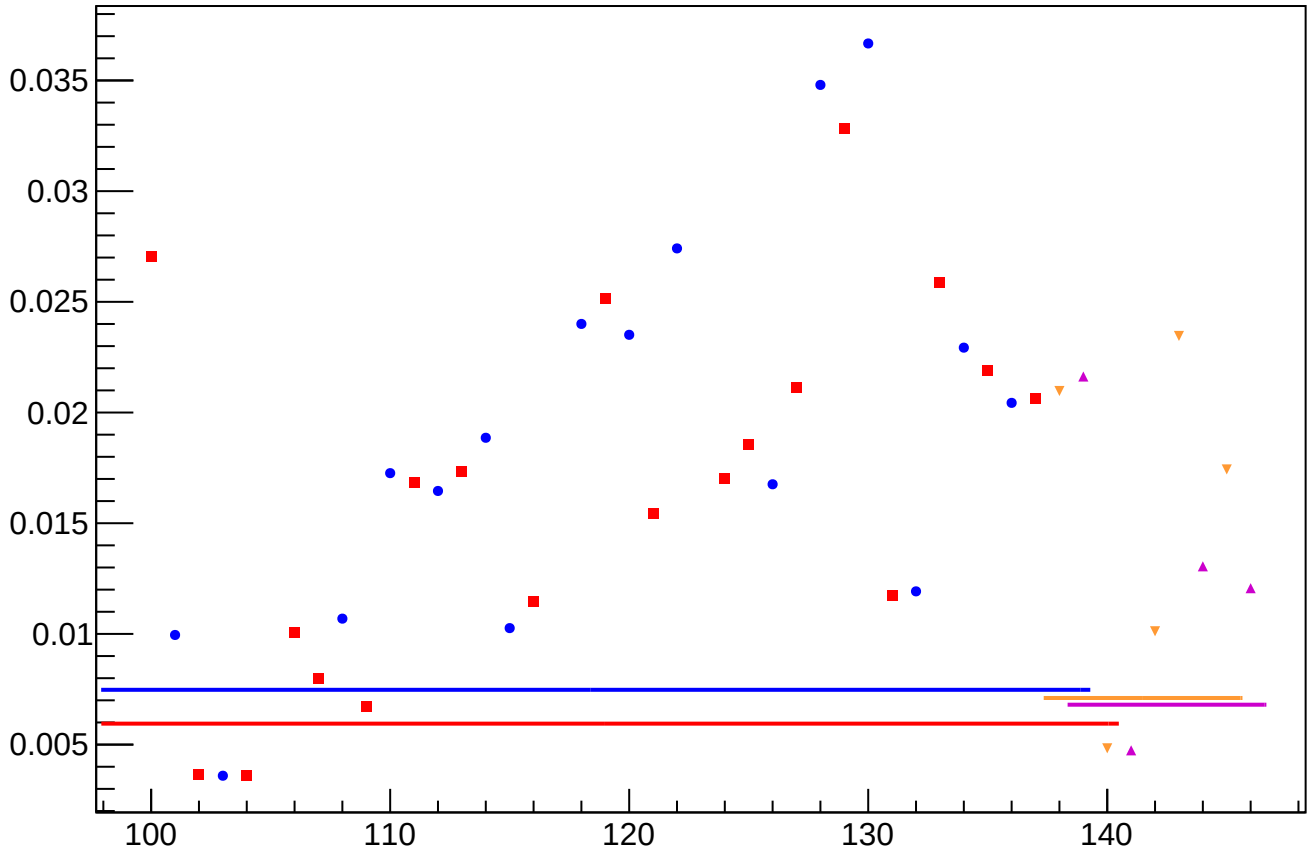
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/20

All: 0.000+/-0.000 χ^2/NDF: 55.8/43

- sign 0.000+/-0.000 χ^2/NDF: 23.0/22



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:2406204.6/4

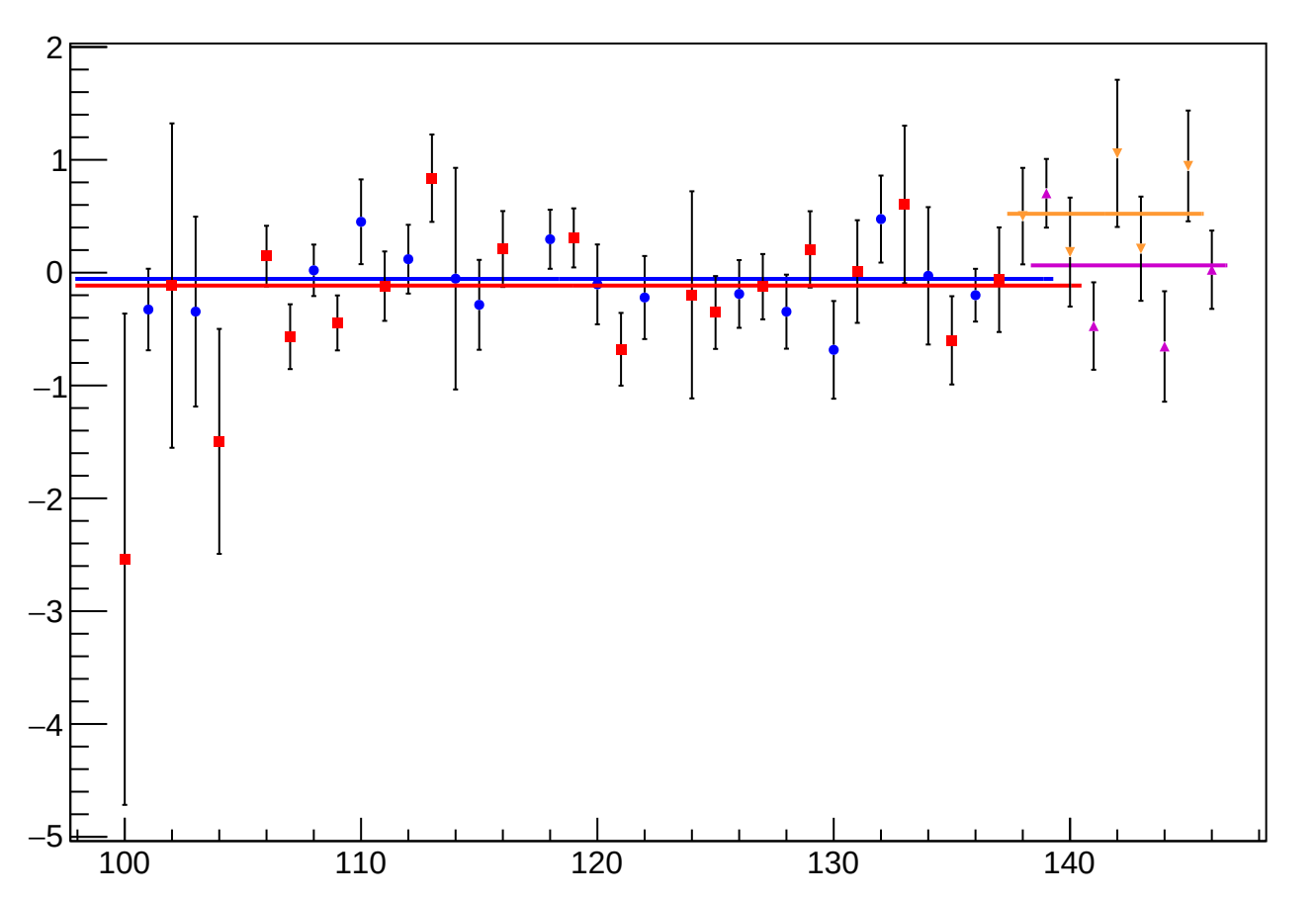
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1743100.3/3

+ sign 0.007+/-0.000 χ^2/NDF: 8489795.7/20

All: 0.007+/-0.000 χ^2/NDF: 16392954.4/43

- sign 0.006+/-0.000 χ^2/NDF: 7729048.5/22



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

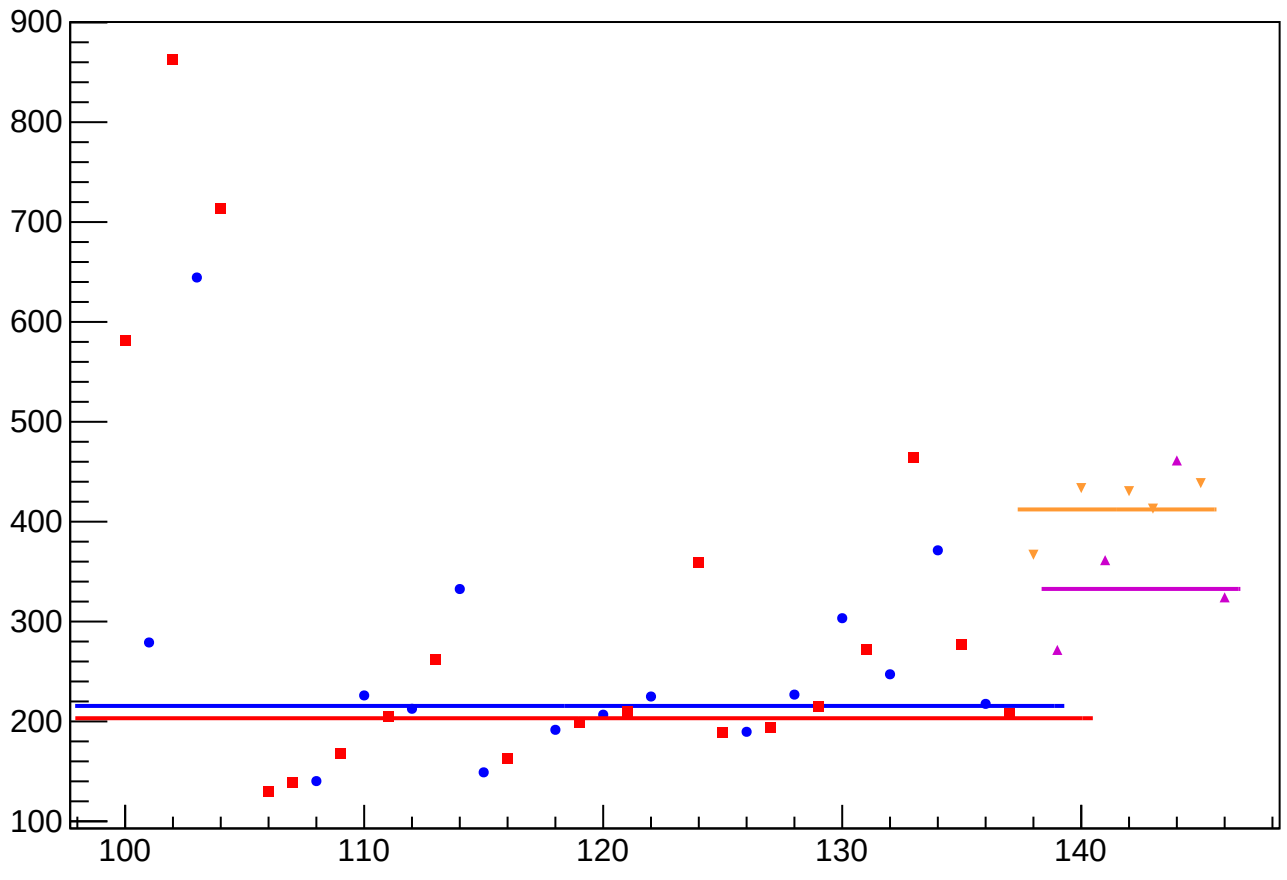
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.064+/-0.183 χ^2/NDF:8.5/3

+ sign 0.021+/-0.080 χ^2/NDF: 19.1/20

All: -0.034+/-0.055 χ^2/NDF: 54.5/43

- sign -0.084+/-0.076 χ^2/NDF: 34.5/22



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 412.249+/-0.155 χ^2/NDF:33735.0/4

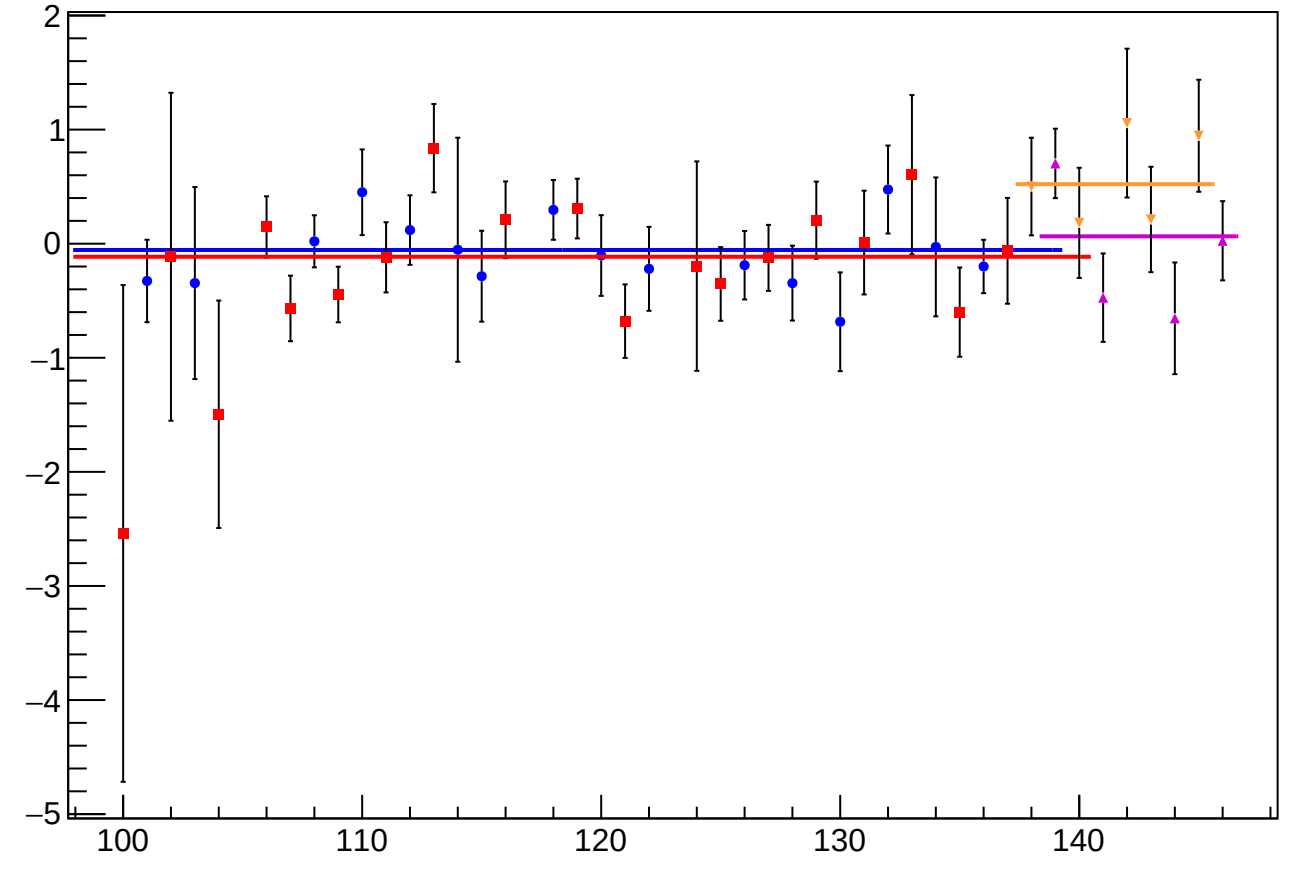
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 332.662+/-0.129 χ^2/NDF:230879.2/3

+ sign 241.626+/-0.056 χ^2/NDF: 2588663.0/20

All: 233.127+/-0.039 χ^2/NDF: 5529601.2/43

- sign 225.433+/-0.054 χ^2/NDF: 2897498.6/22



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

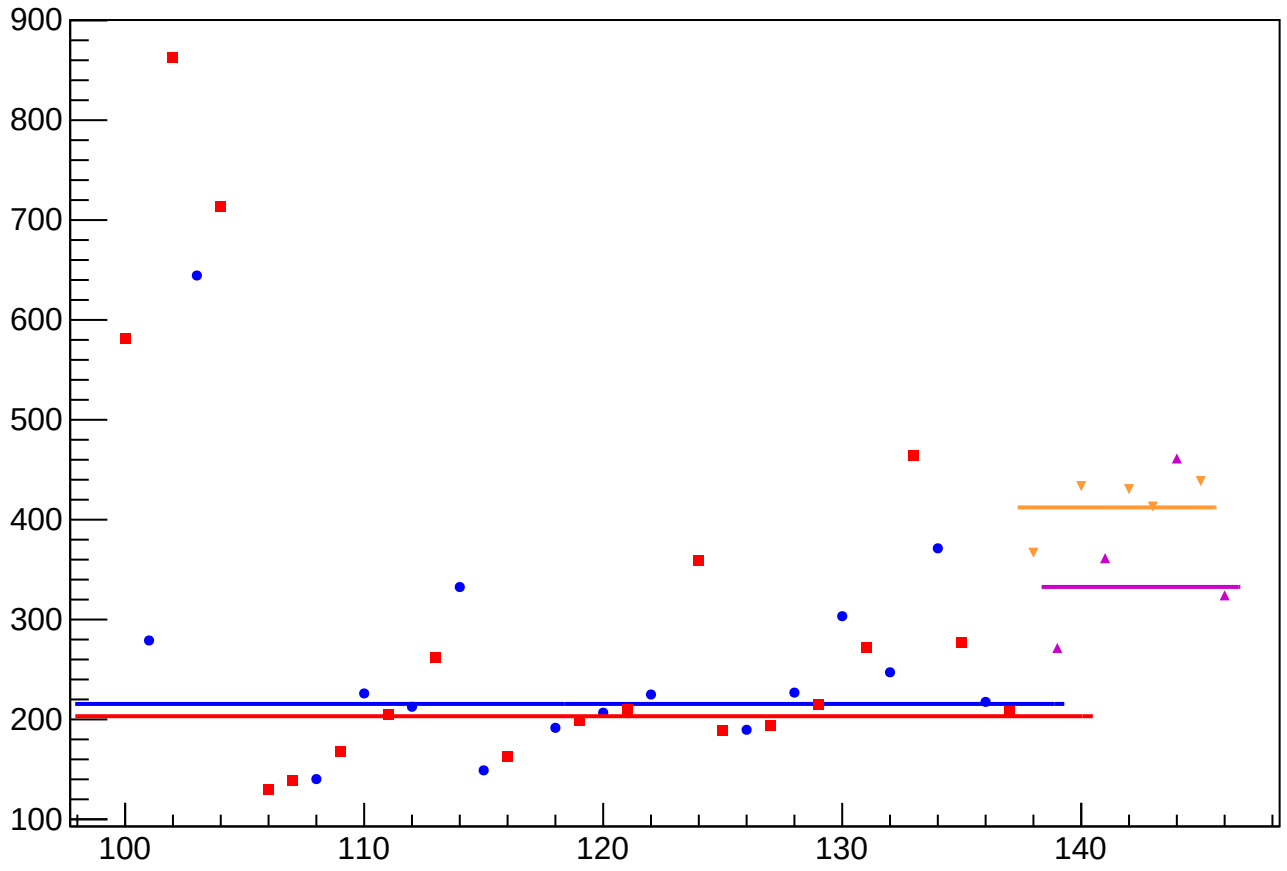
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.064+/-0.183 χ^2/NDF:8.5/3

+ sign 0.021+/-0.080 χ^2/NDF: 19.1/20

All: -0.034+/-0.055 χ^2/NDF: 54.5/43

- sign -0.084+/-0.076 χ^2/NDF: 34.5/22



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 412.249+/-0.155 χ^2/NDF:33735.0/4

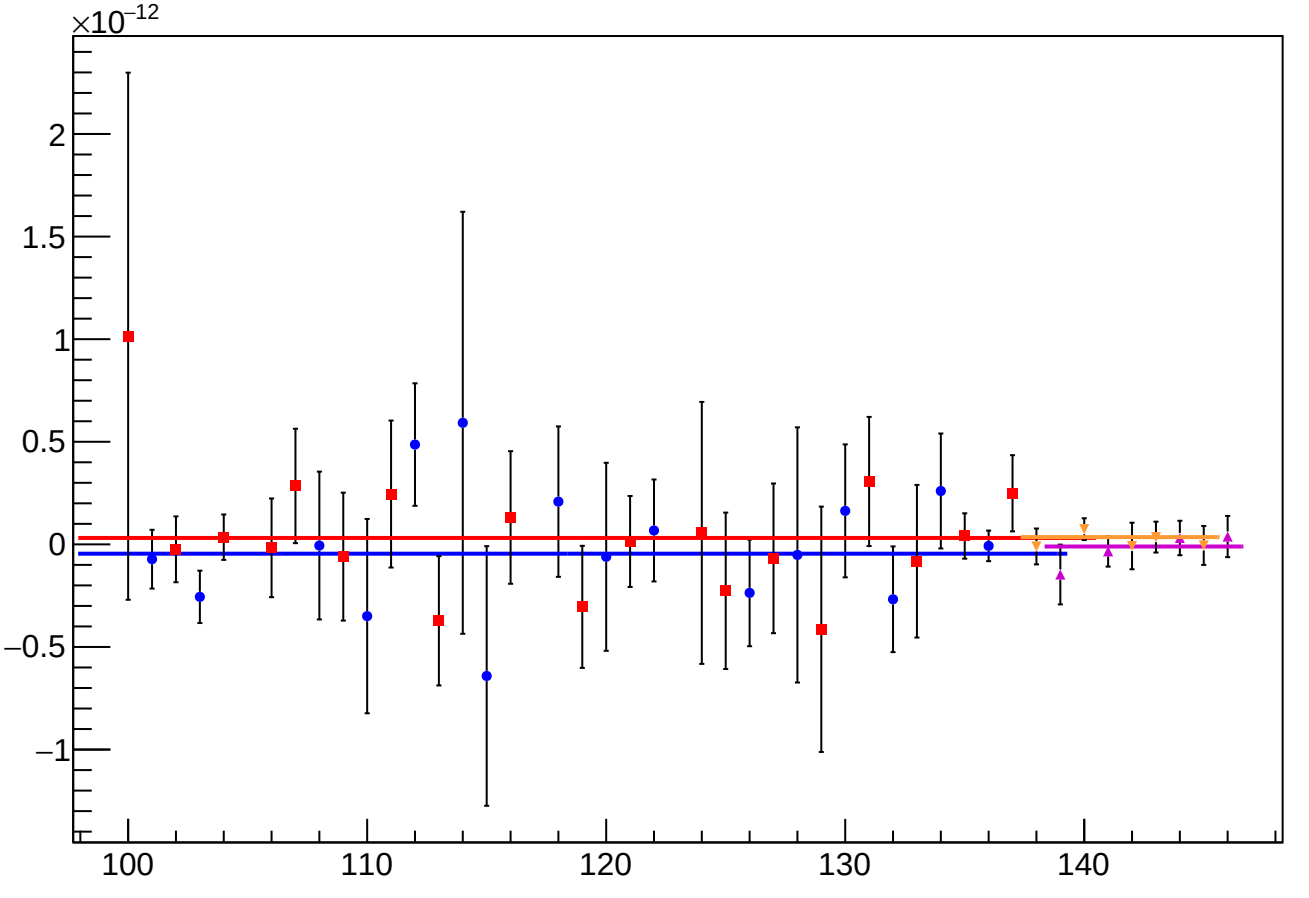
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 332.662+/-0.129 χ^2/NDF:230879.2/3

+ sign 241.626+/-0.056 χ^2/NDF: 2588663.0/20

All: 233.127+/-0.039 χ^2/NDF: 5529601.2/43

- sign 225.433+/-0.054 χ^2/NDF: 2897498.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/4

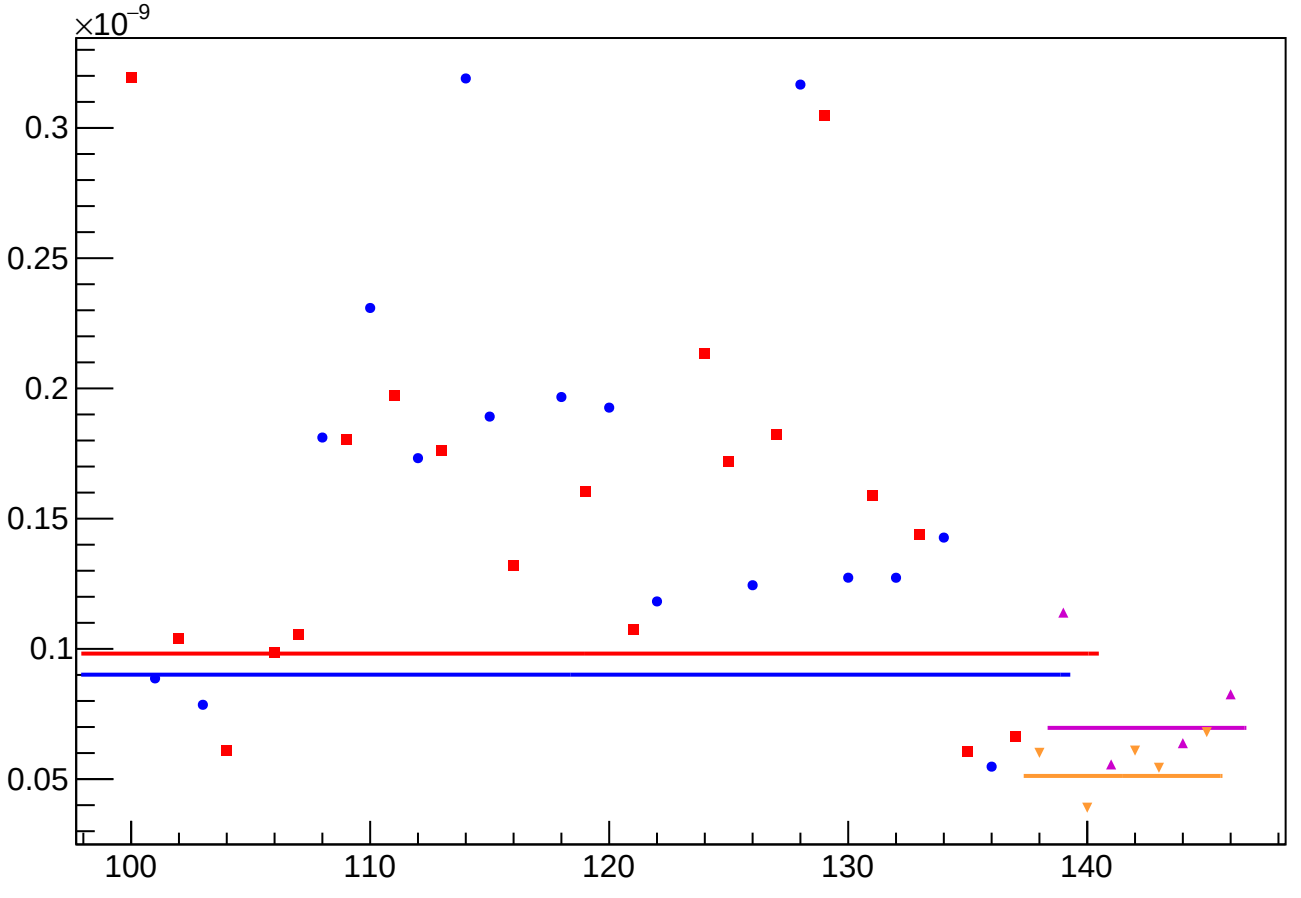
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 14.4/20

All: 0.000+/-0.000 χ^2/NDF: 24.5/43

- sign 0.000+/-0.000 χ^2/NDF: 10.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:206959.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

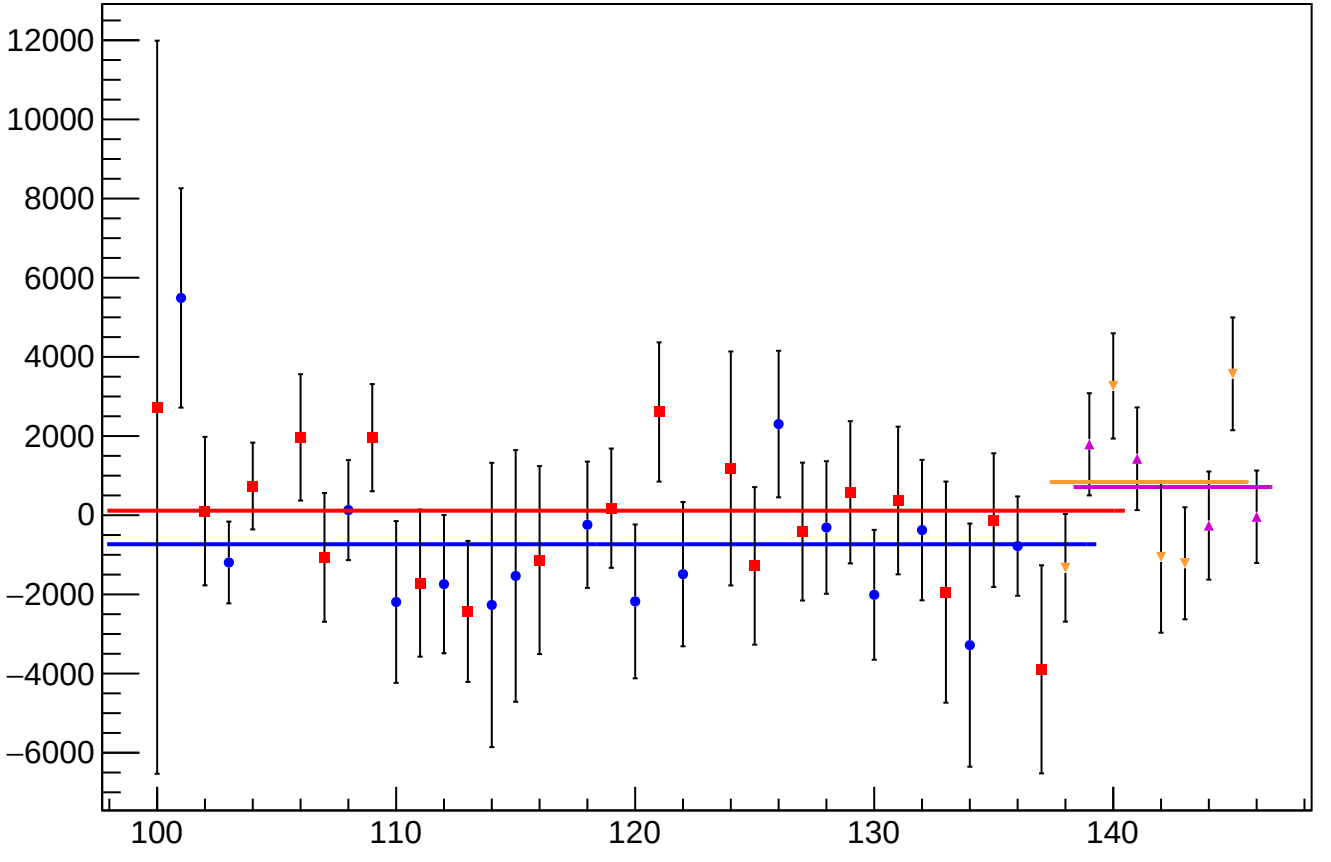
Left In: 0.000+/-0.000 χ^2/NDF:298431.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2838321.6/20

All: 0.000+/-0.000 χ^2/NDF: 5513301.7/43

- sign 0.000+/-0.000 χ^2/NDF: 2328809.5/22

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 840.007+/-649.446 χ^2/NDF:12.6/4

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

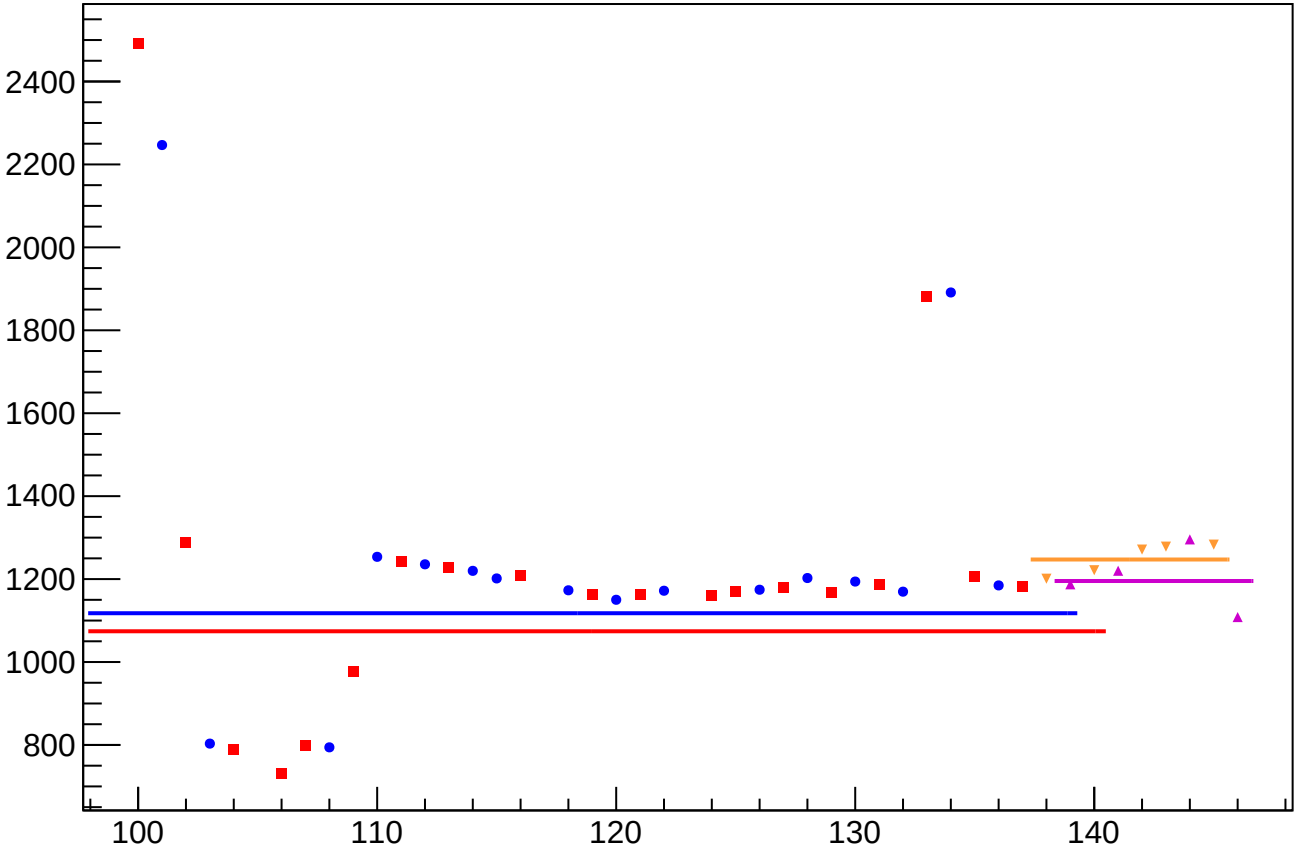
Left In: 712.311+/-636.971 χ^2/NDF:1.9/3

+ sign -257.470+/-357.015 χ^2/NDF: 28.4/20

All: 25.601+/-248.317 χ^2/NDF: 45.3/43

- sign 290.874+/-345.609 χ^2/NDF: 15.7/22

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1247.223+/-0.459 χ^2/NDF:5619.0/4

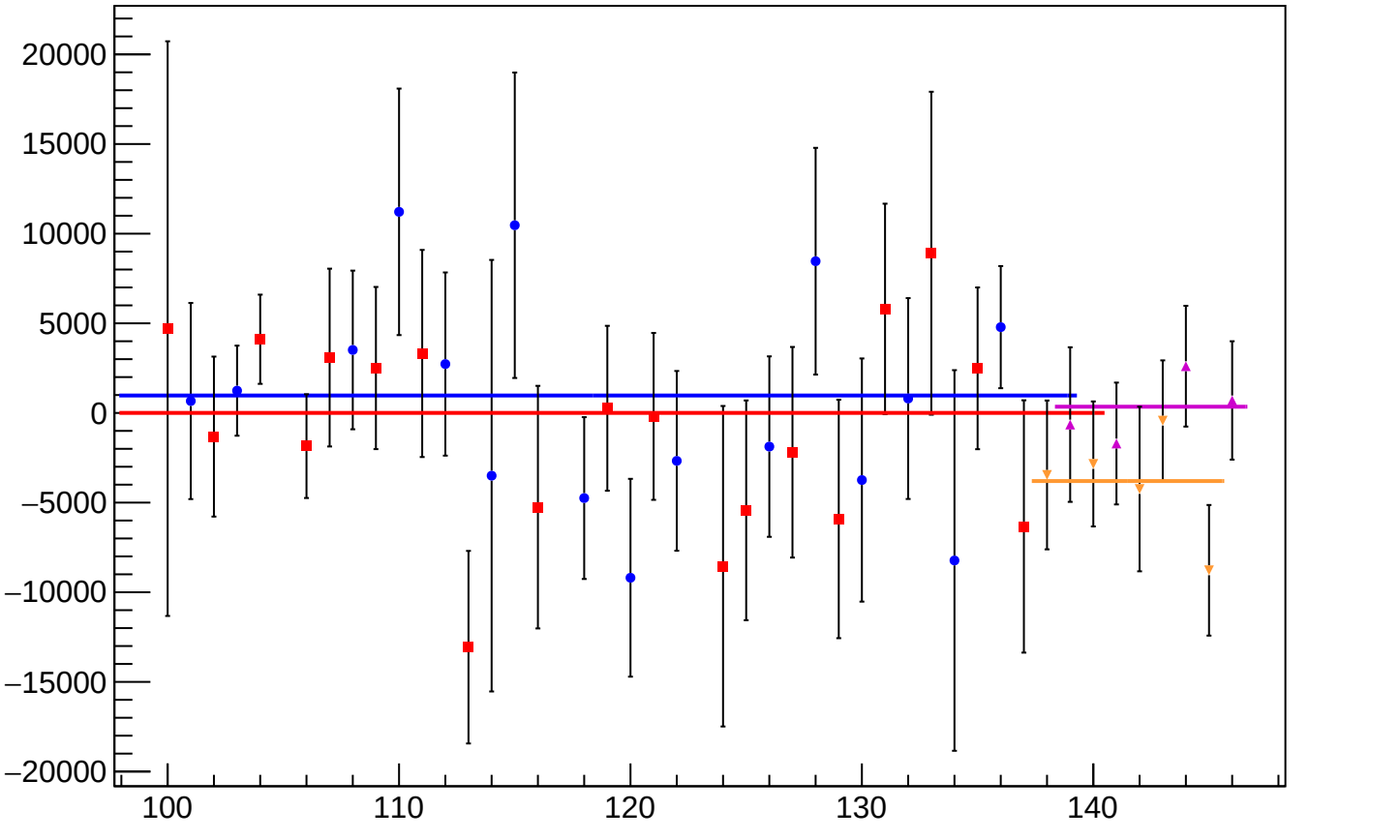
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

+ sign 1156.830+/-0.252 χ^2/NDF: 880978.5/20

All: 1132.215+/-0.175 χ^2/NDF: 1622860.6/43

- sign 1109.419+/-0.243 χ^2/NDF: 723570.5/22



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -3797.844+/-1686.475 χ^2/NDF:3.0/4

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

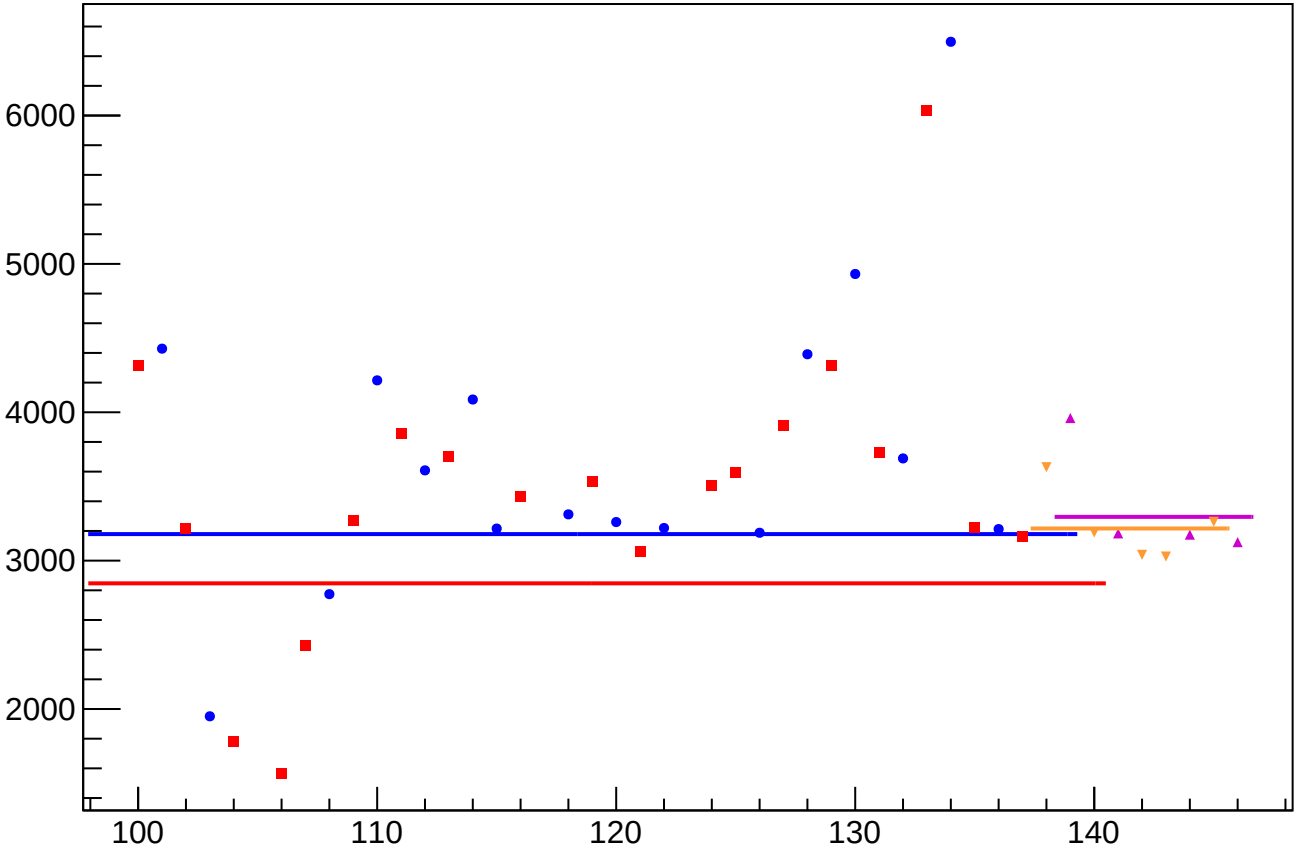
Left In: 348.005+/-1766.903 χ^2/NDF:0.9/3

+ sign -687.911+/-995.222 χ^2/NDF: 22.0/20

All: -271.894+/-684.243 χ^2/NDF: 39.8/43

- sign 101.038+/-942.279 χ^2/NDF: 17.5/22

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3216.769+/-1.193 χ^2/NDF:29565.1/4

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

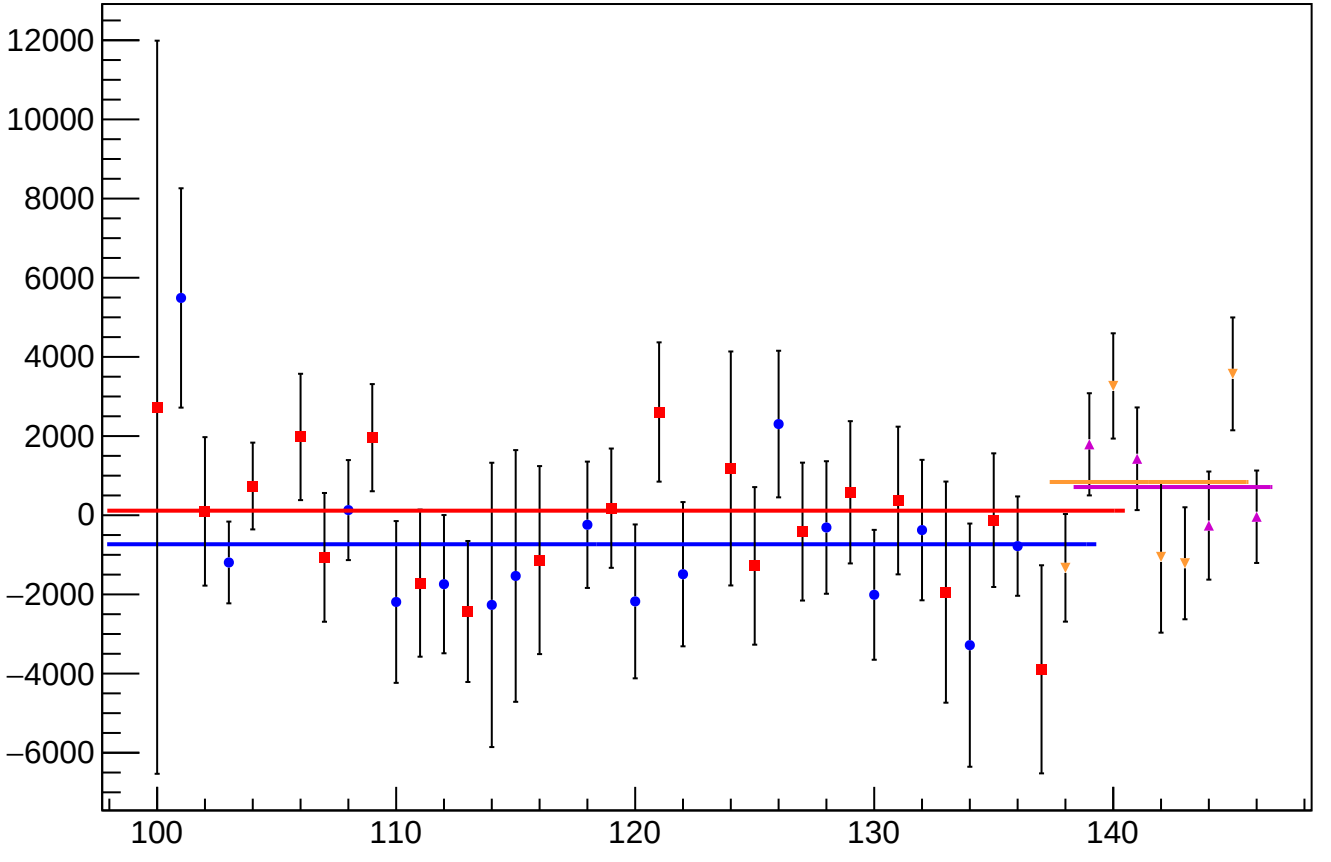
Left In: 3295.015+/-1.249 χ^2/NDF:57752.8/3

+ sign 3192.068+/-0.704 χ^2/NDF: 1121900.2/20

All: 3077.305+/-0.484 χ^2/NDF: 2833256.8/43

- sign 2974.428+/-0.666 χ^2/NDF: 1660922.0/22

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 840.002+/-649.446 χ^2/NDF:12.6/4

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

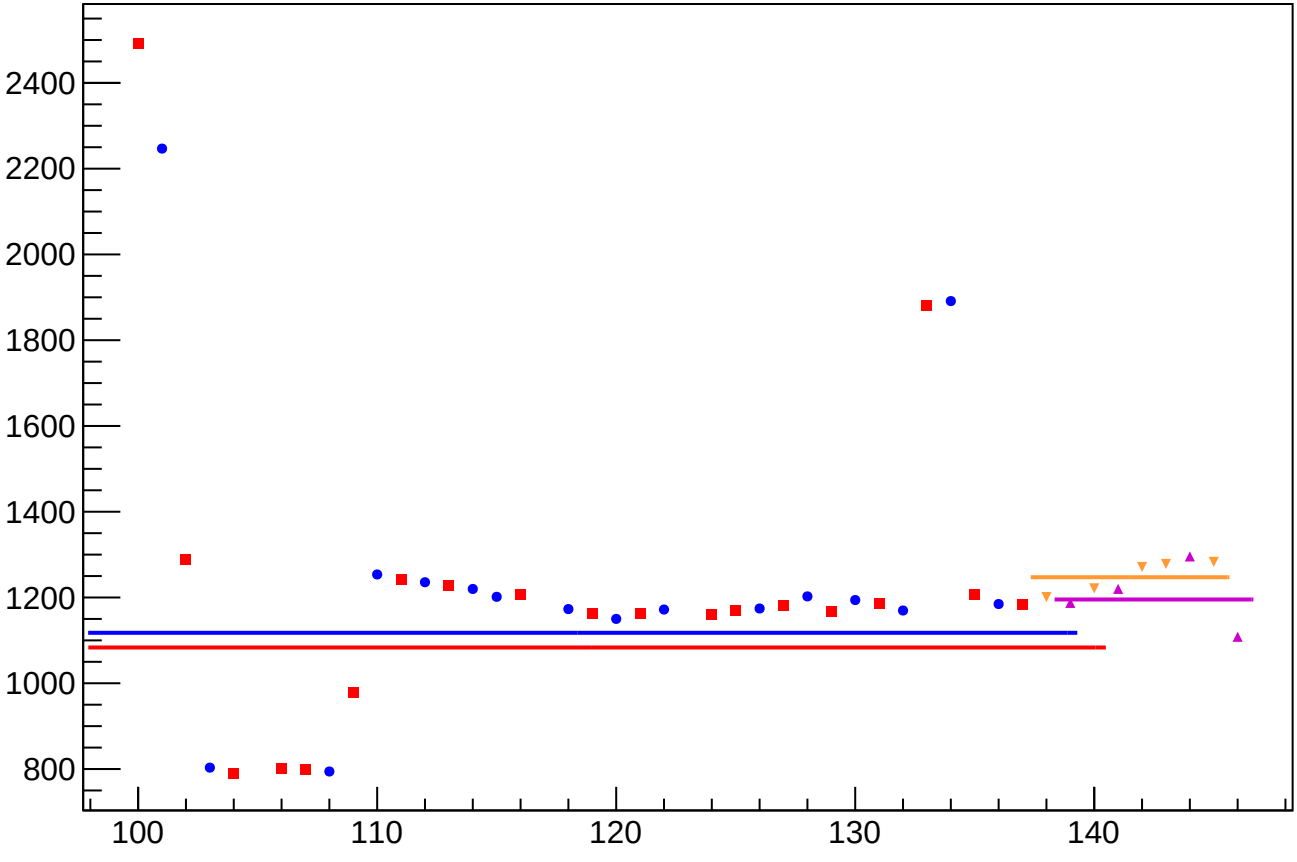
Left In: 712.429+/-636.971 χ^2/NDF:1.9/3

+ sign -257.426+/-357.015 χ^2/NDF: 28.4/20

All: 25.737+/-248.318 χ^2/NDF: 45.3/43

- sign 291.099+/-345.611 χ^2/NDF: 15.7/22

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1247.223+/-0.459 χ^2/NDF:5619.0/4

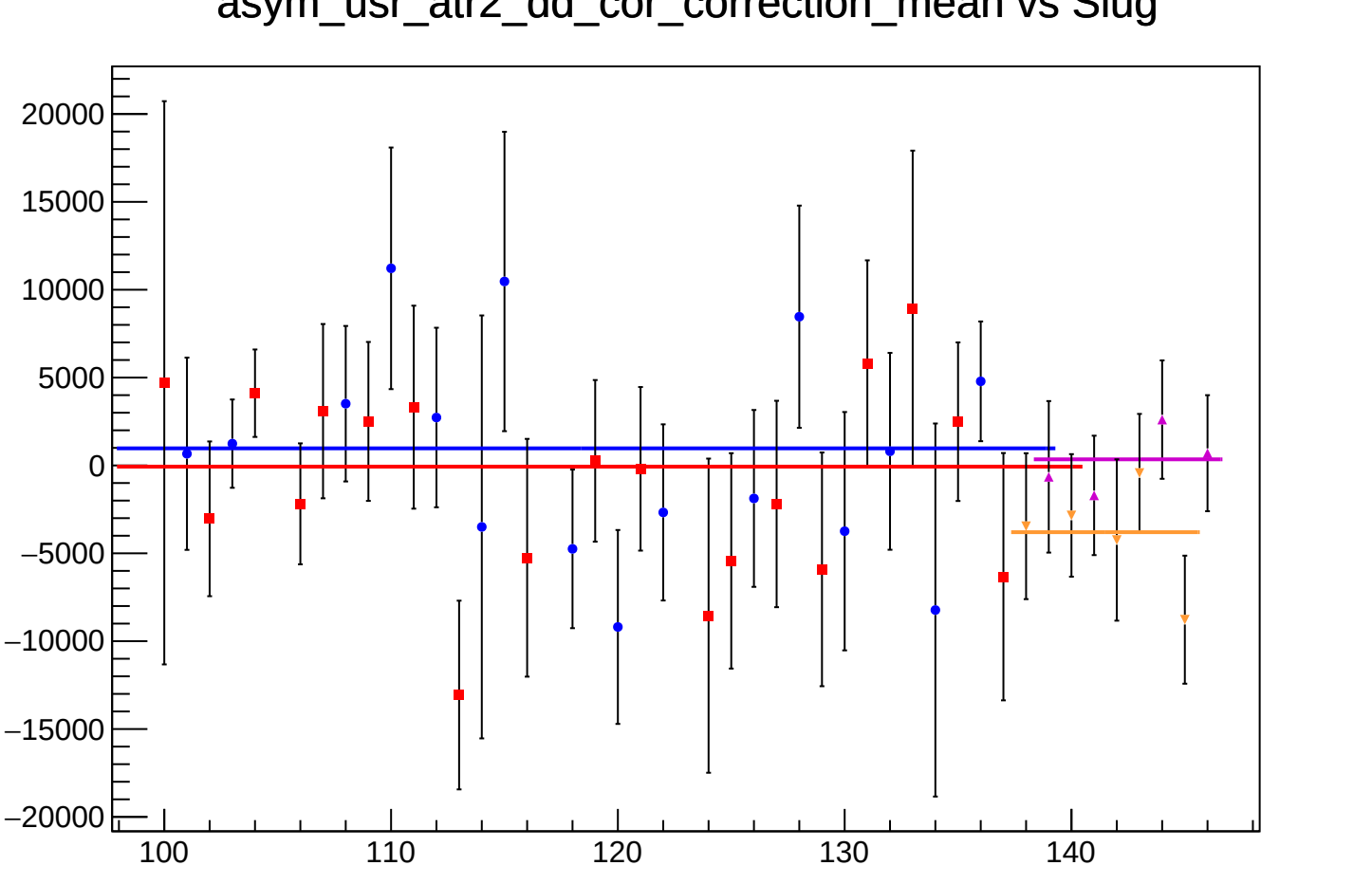
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

+ sign 1156.830+/-0.252 χ^2/NDF: 880974.6/20

All: 1135.875+/-0.175 χ^2/NDF: 1555662.9/43

- sign 1116.290+/-0.244 χ^2/NDF: 661357.8/22



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3797.782+/-1686.469 χ^2/NDF:3.0/4

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

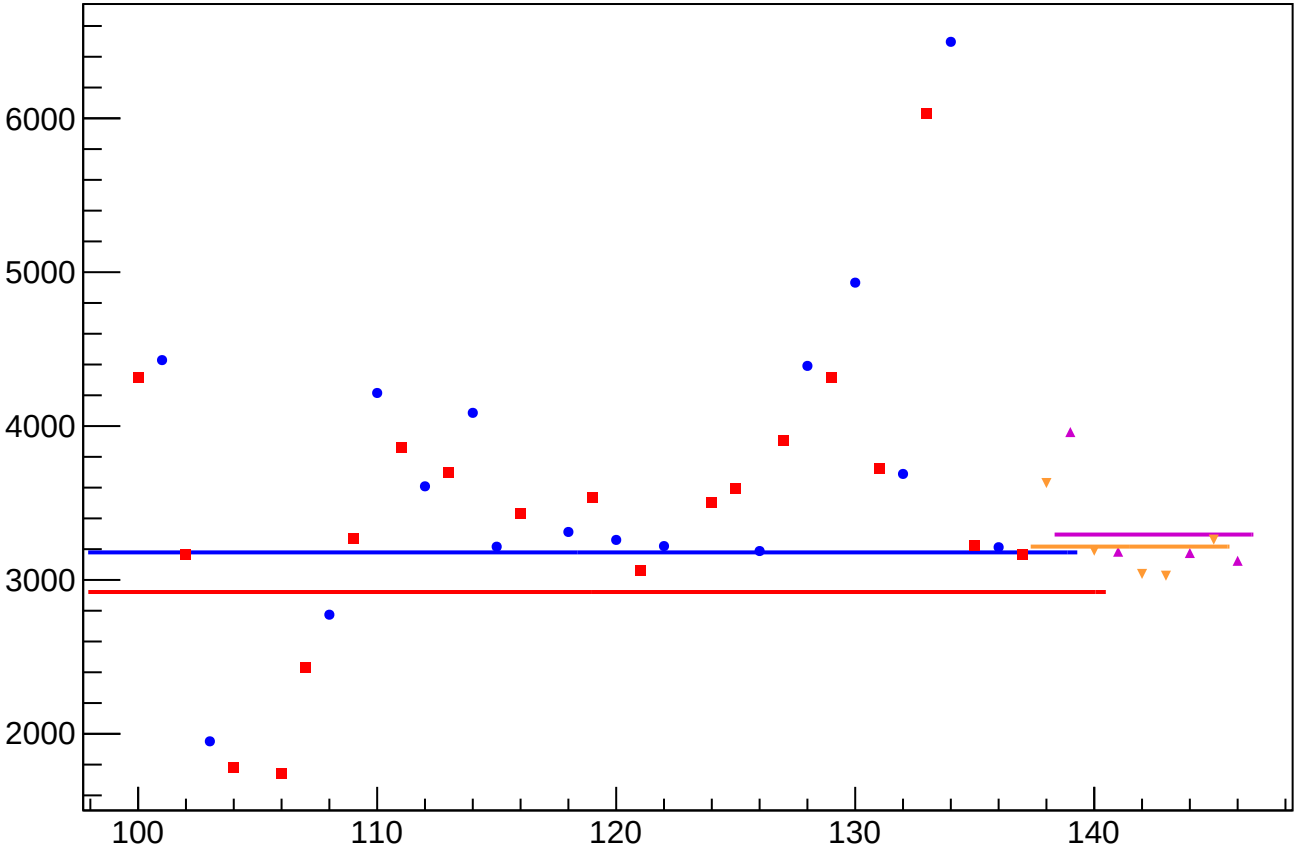
Left In: 348.043+/-1766.902 χ^2/NDF:0.9/3

+ sign -688.309+/-995.246 χ^2/NDF: 22.0/20

All: -302.182+/-689.703 χ^2/NDF: 40.1/43

- sign 54.593+/-956.671 χ^2/NDF: 17.9/22

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3216.757+/-1.193 χ^2/NDF:29566.3/4

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

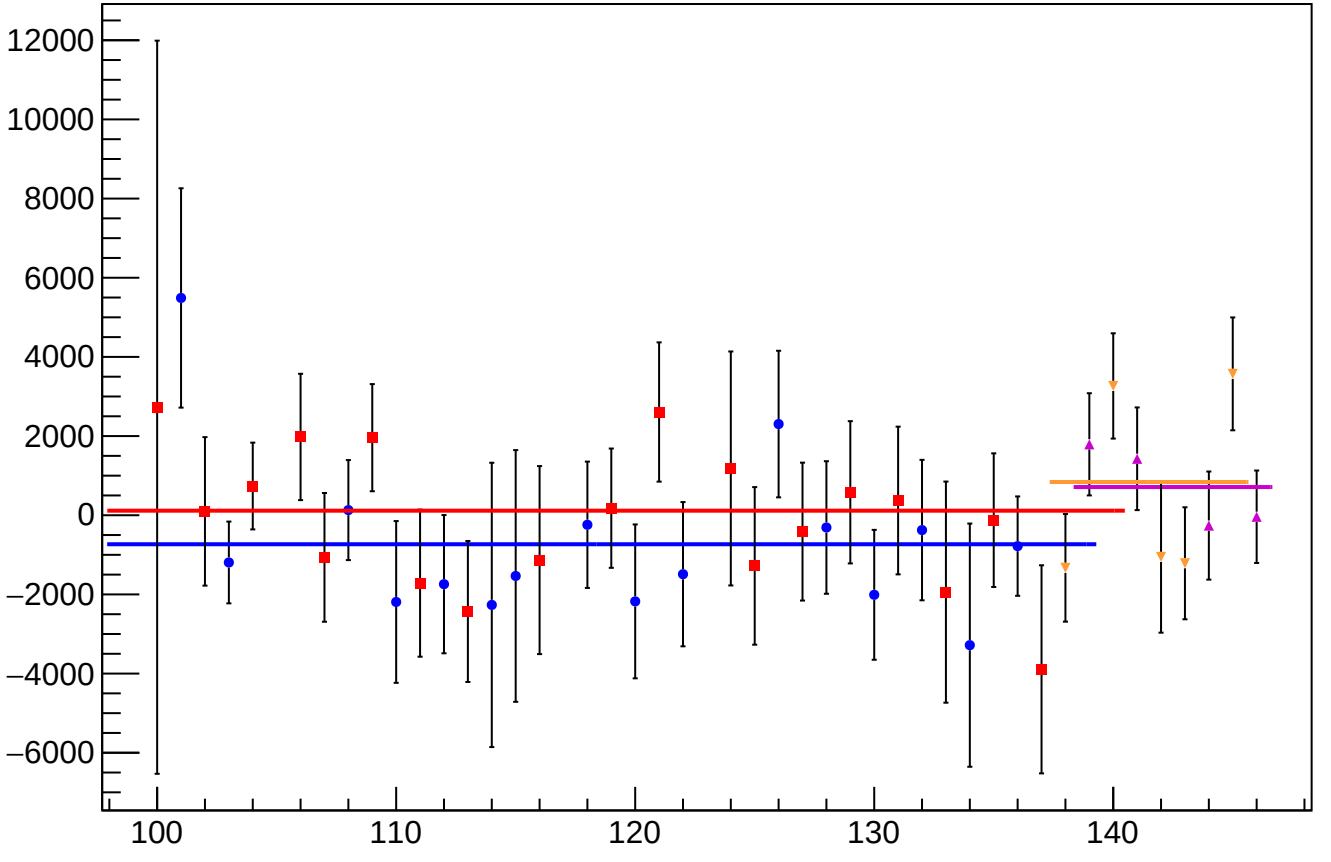
Left In: 3295.012+/-1.249 χ^2/NDF:57752.9/3

+ sign 3192.184+/-0.704 χ^2/NDF: 1121454.3/20

All: 3108.459+/-0.488 χ^2/NDF: 2582456.2/43

- sign 3031.097+/-0.676 χ^2/NDF: 1433769.4/22

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 840.002+/-649.446 χ^2/NDF:12.6/4

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

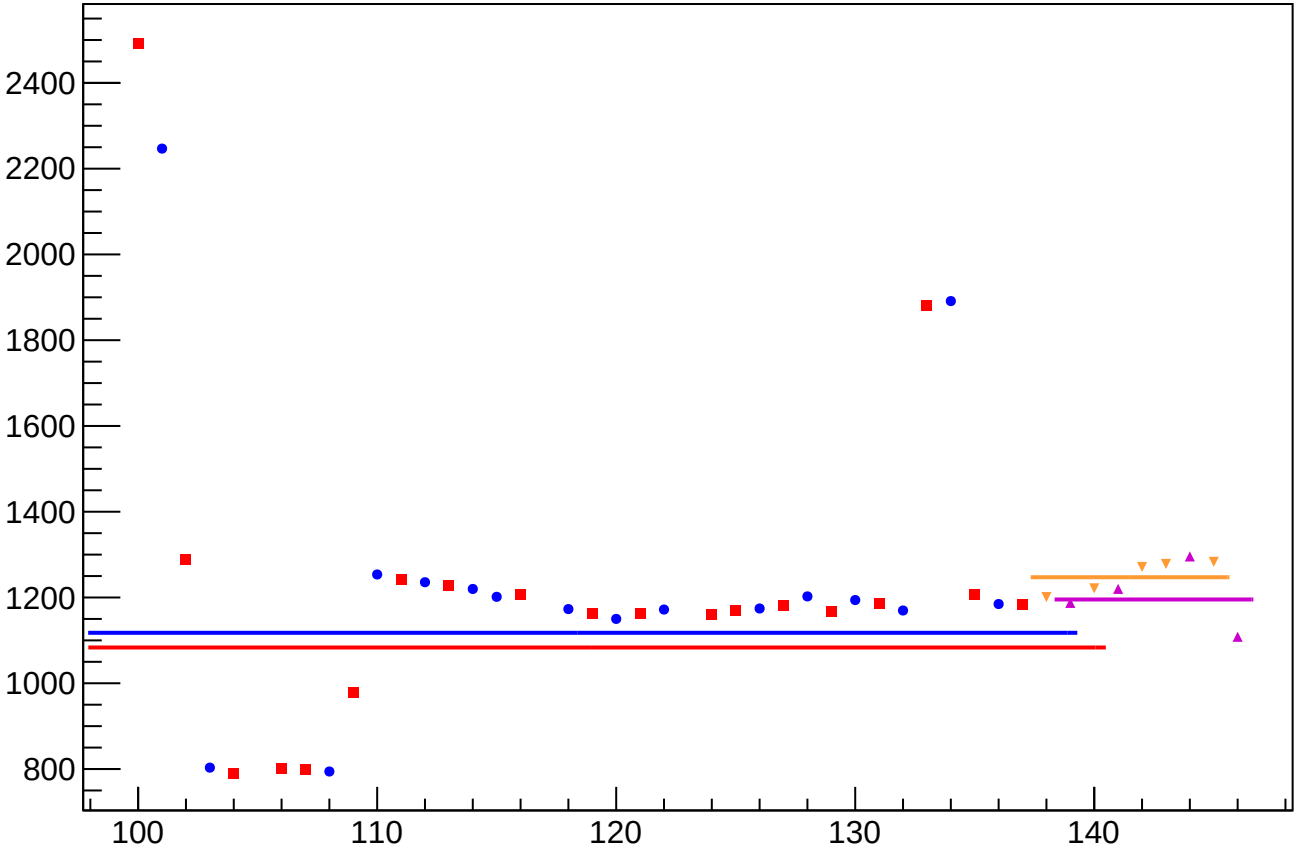
Left In: 712.429+/-636.971 χ^2/NDF:1.9/3

+ sign -257.426+/-357.015 χ^2/NDF: 28.4/20

All: 25.737+/-248.318 χ^2/NDF: 45.3/43

- sign 291.099+/-345.611 χ^2/NDF: 15.7/22

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1247.223+/-0.459 χ^2/NDF:5619.0/4

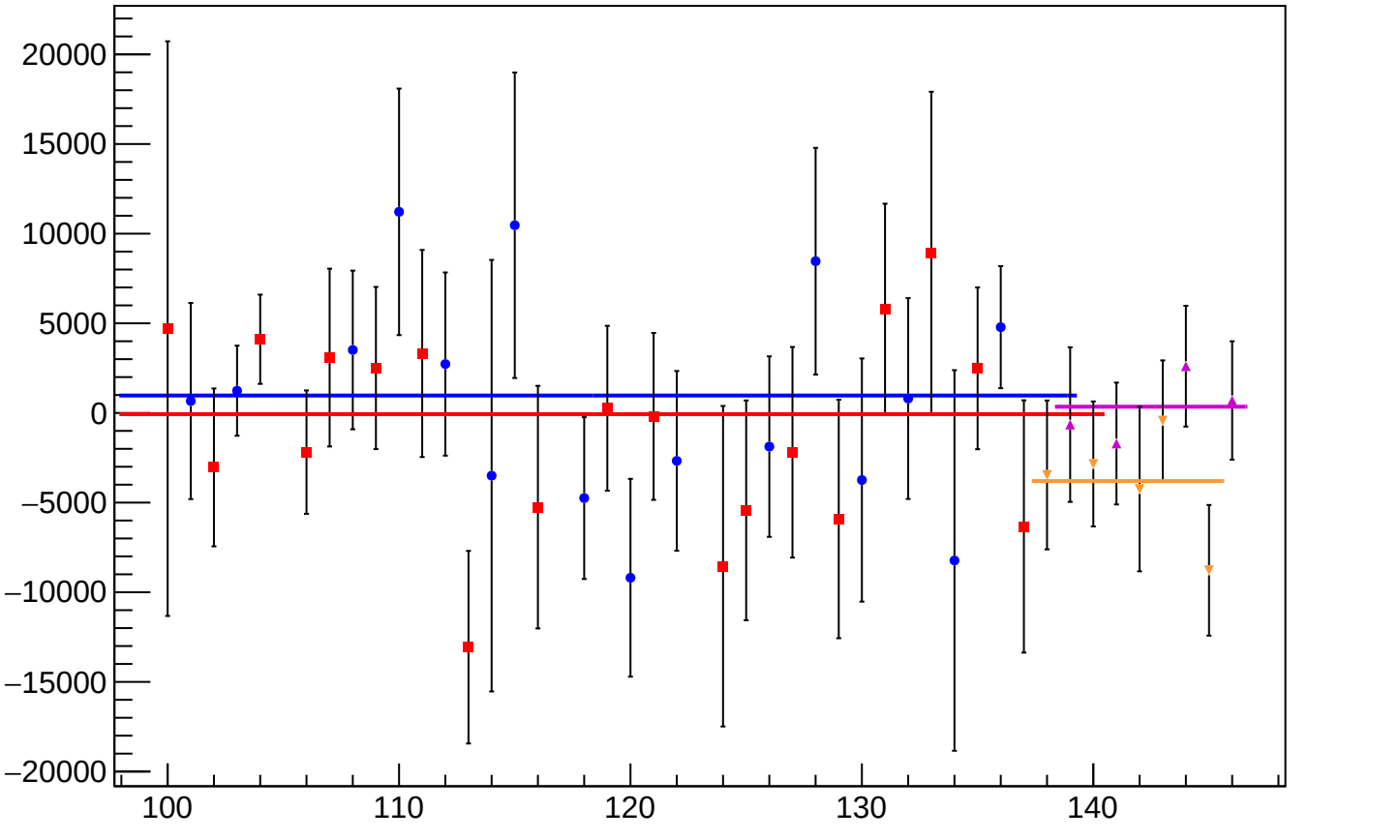
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

+ sign 1156.830+/-0.252 χ^2/NDF: 880974.6/20

All: 1135.875+/-0.175 χ^2/NDF: 1555662.9/43

- sign 1116.290+/-0.244 χ^2/NDF: 661357.8/22



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3797.782+/-1686.469 χ^2/NDF:3.0/4

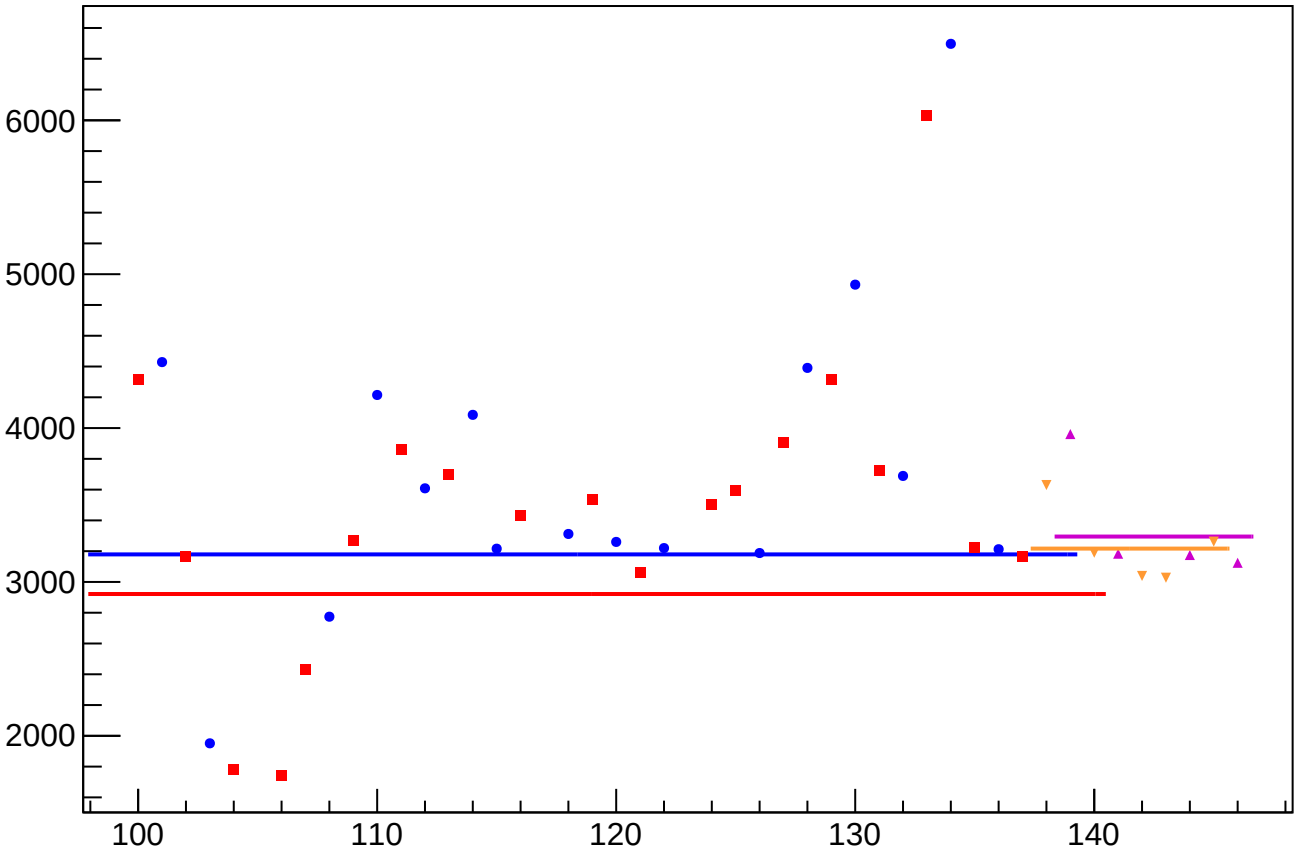
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 348.043+/-1766.902 χ^2/NDF:0.9/3

+ sign -688.309+/-995.246 χ^2/NDF: 22.0/20

All: -302.182+/-689.703 χ^2/NDF: 40.1/43

- sign 54.593+/-956.671 χ^2/NDF: 17.9/22



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3216.757+/-1.193 χ^2/NDF:29566.3/4

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

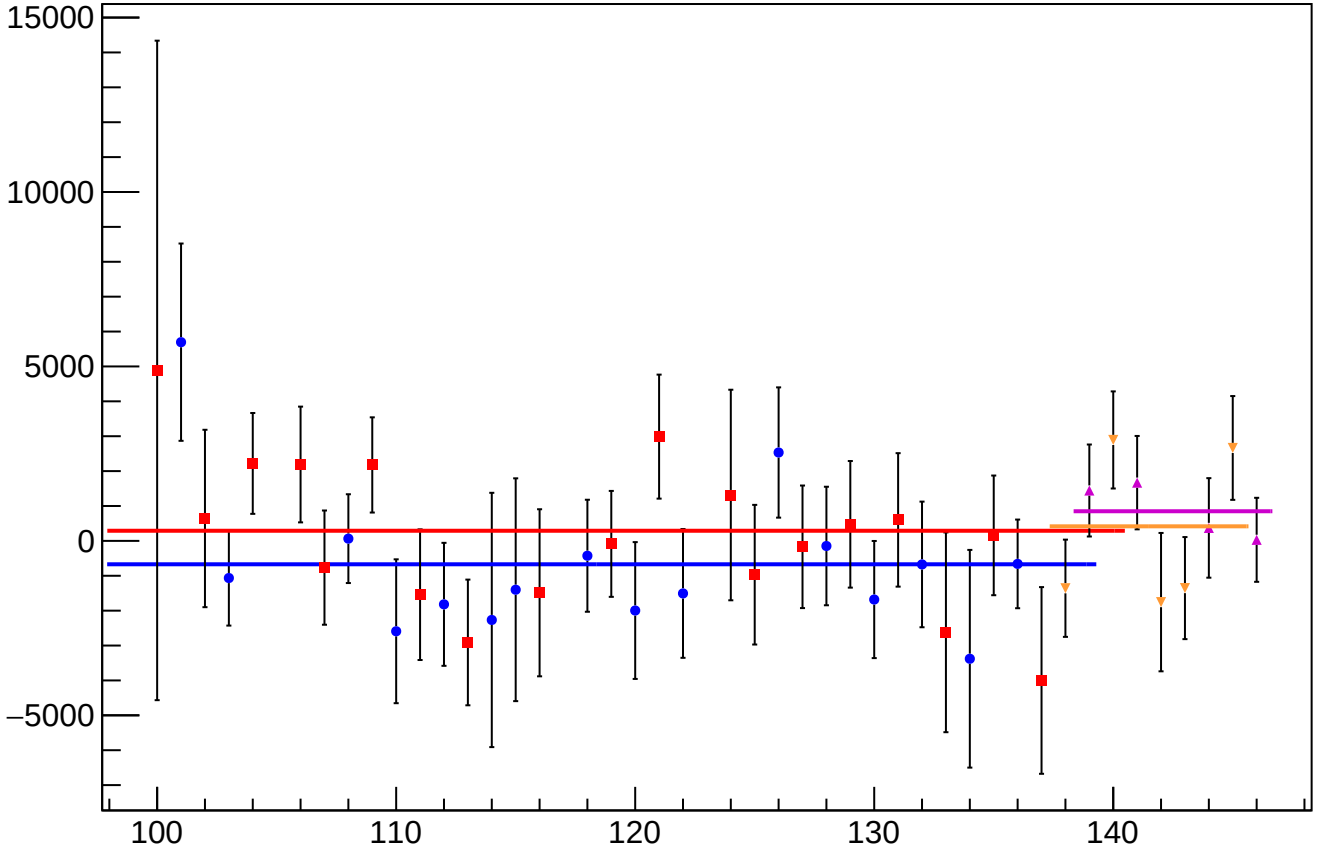
Left In: 3295.012+/-1.249 χ^2/NDF:57752.9/3

\+ sign 3192.184+/-0.704 χ^2/NDF: 1121454.3/20

All: 3108.459+/-0.488 χ^2/NDF: 2582456.2/43

\- sign 3031.097+/-0.676 χ^2/NDF: 1433769.4/22

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 417.128+/-673.444 χ^2/NDF:9.7/4

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

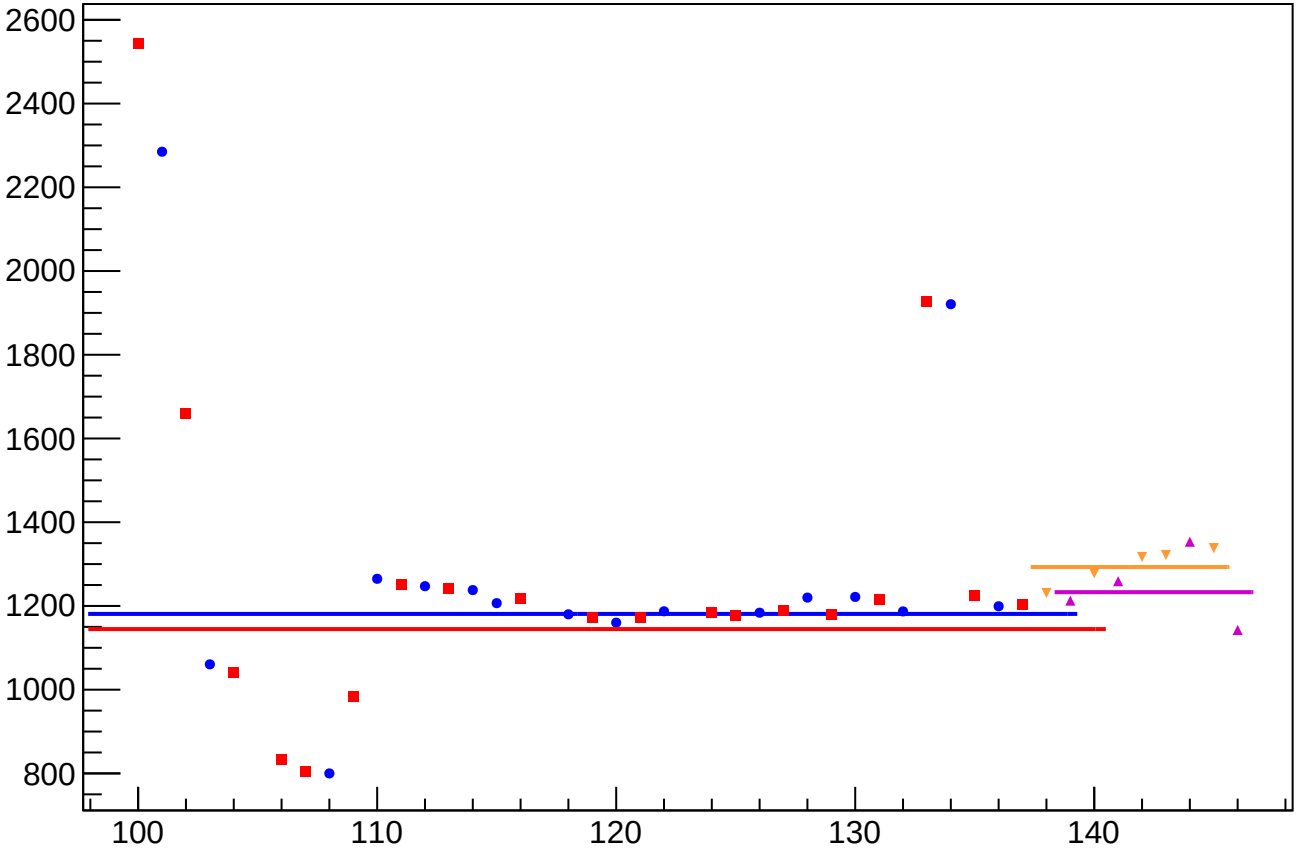
Left In: 849.354+/-657.266 χ^2/NDF:1.2/3

+ sign -336.544+/-373.293 χ^2/NDF: 23.4/20

All: 73.648+/-260.027 χ^2/NDF: 44.3/43

- sign 460.283+/-362.416 χ^2/NDF: 18.6/22

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1293.009+/-0.476 χ^2/NDF:7118.7/4

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

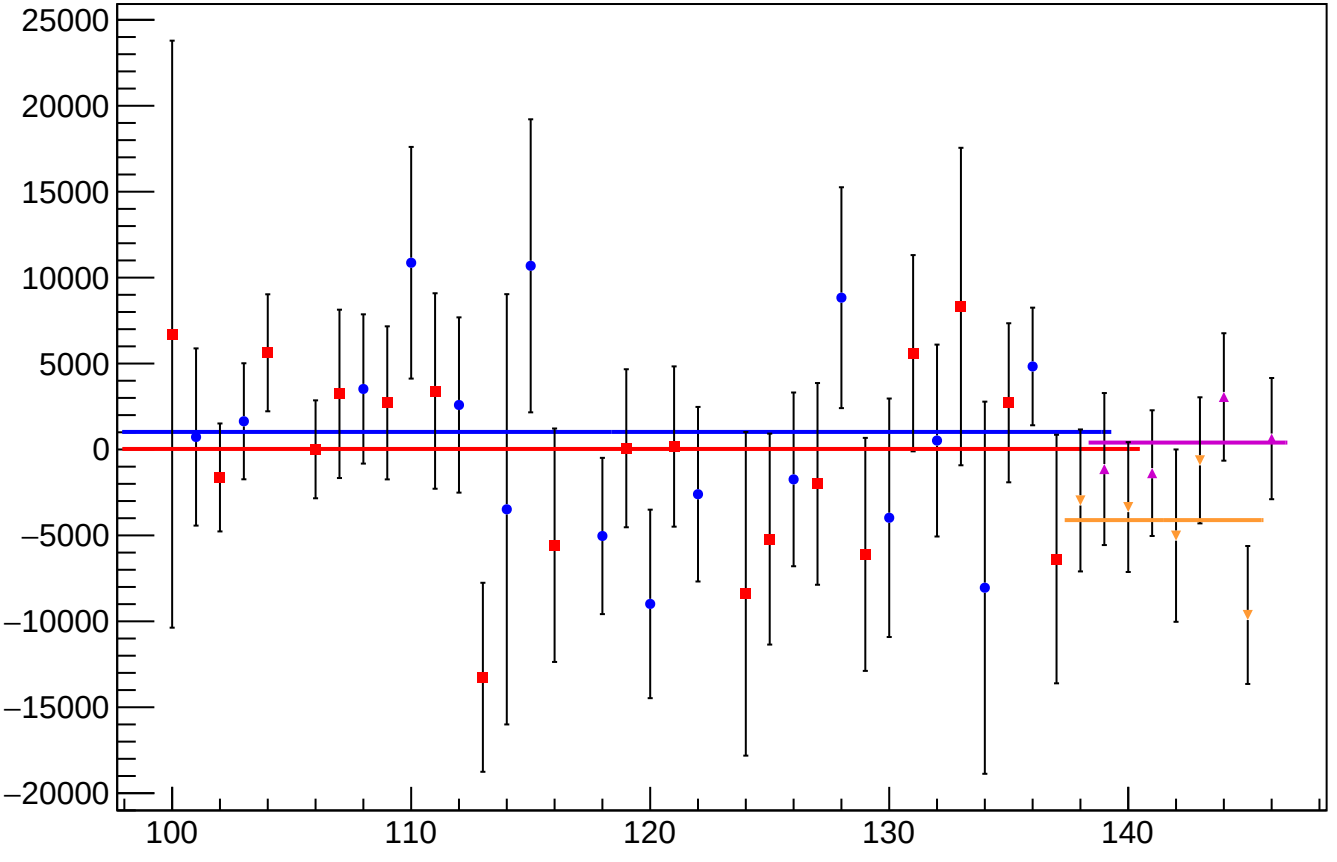
Left In: 1232.960+/-0.465 χ^2/NDF:26735.3/3

+ sign 1215.384+/-0.264 χ^2/NDF: 667355.4/20

All: 1192.823+/-0.184 χ^2/NDF: 1231071.2/43

- sign 1171.571+/-0.256 χ^2/NDF: 549528.5/22

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -4109.834+/-1811.189 χ^2/NDF:2.9/4

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

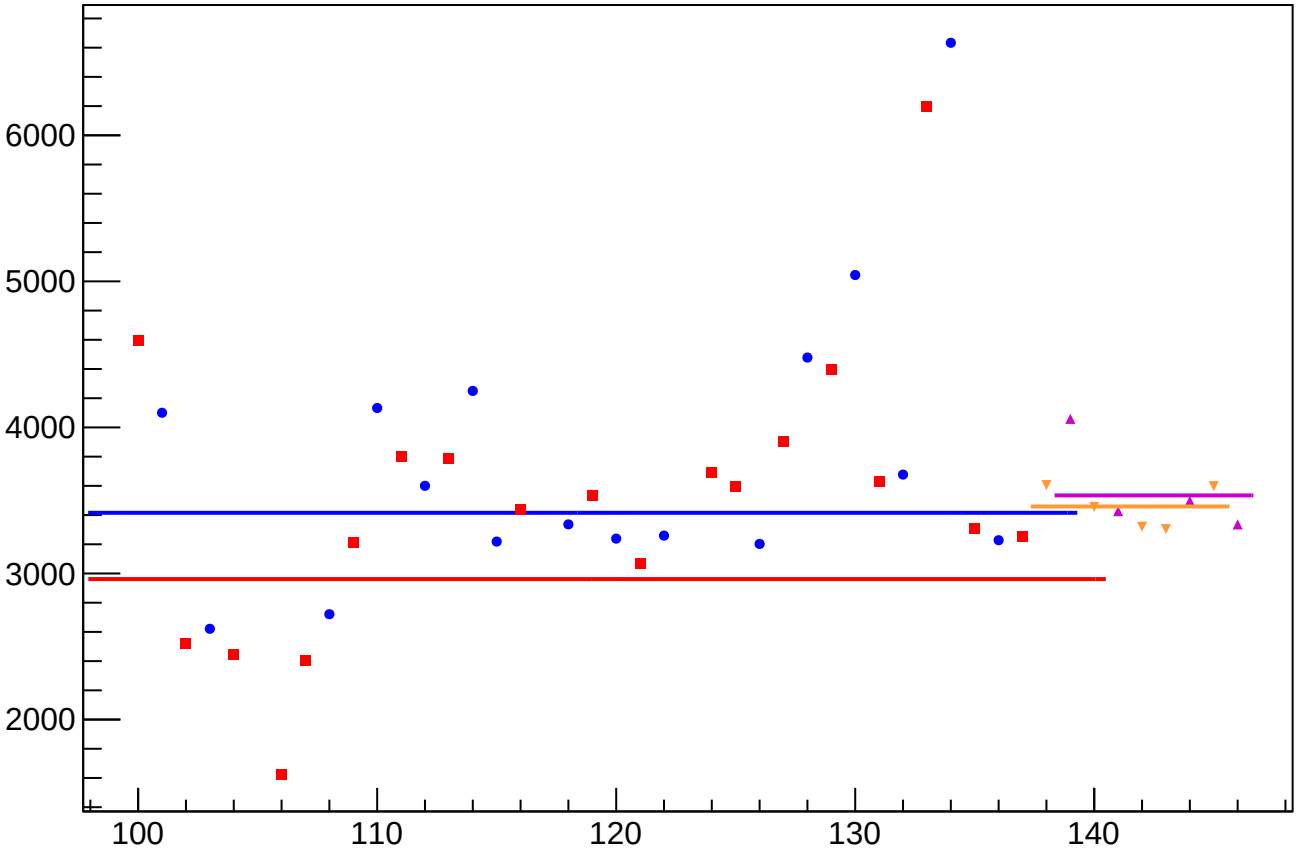
Left In: 401.436+/-1893.102 χ^2/NDF:0.9/3

+ sign -727.821+/-1057.417 χ^2/NDF: 22.1/20

All: -263.536+/-715.107 χ^2/NDF: 39.5/43

- sign 127.769+/-970.760 χ^2/NDF: 17.0/22

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3458.688+/-1.281 χ^2/NDF:10019.6/4

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

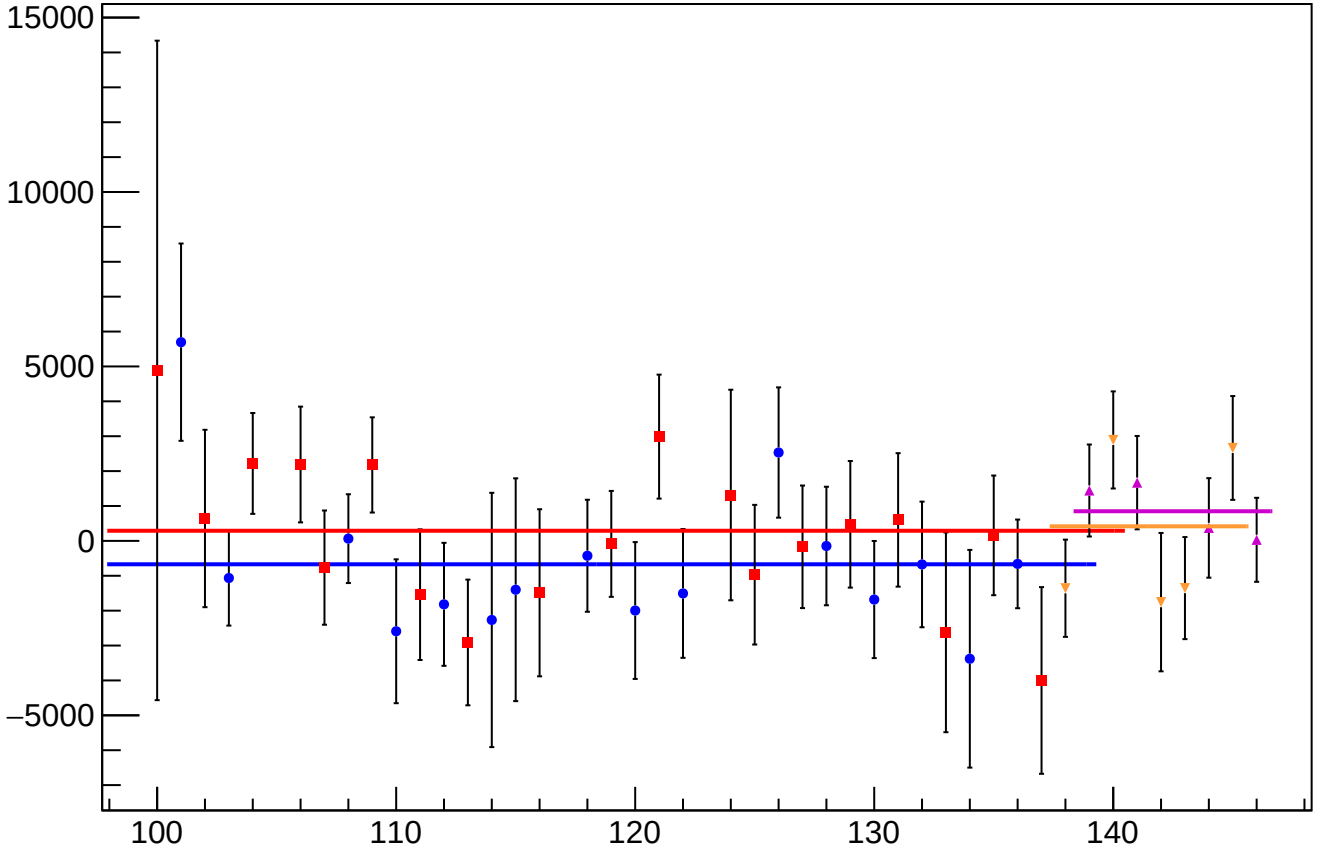
Left In: 3534.539+/-1.339 χ^2/NDF:36368.1/3

+ sign 3430.283+/-0.748 χ^2/NDF: 603109.9/20

All: 3257.785+/-0.506 χ^2/NDF: 2041742.7/43

- sign 3112.401+/-0.686 χ^2/NDF: 1340551.3/22

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 417.126+/-673.445 χ^2/NDF:9.7/4

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

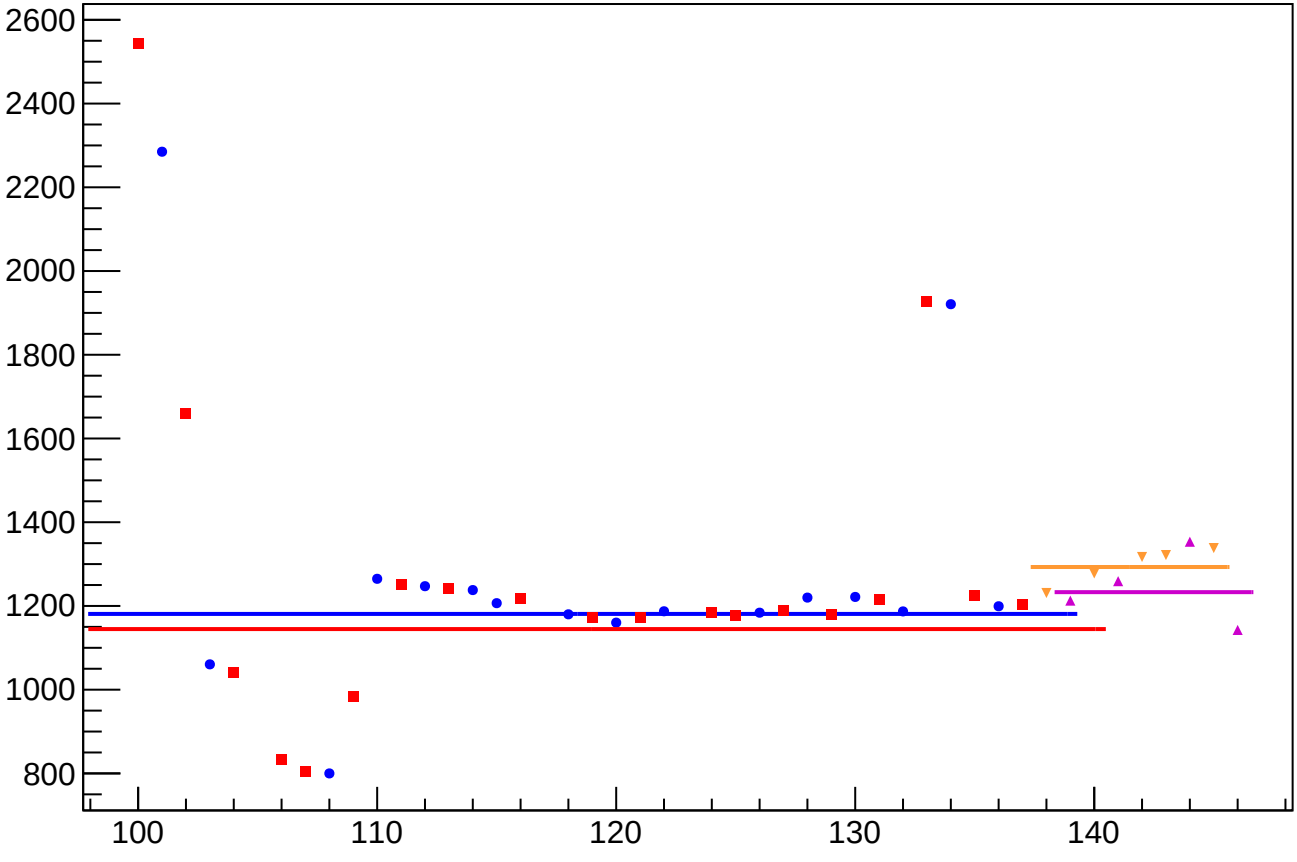
Left In: 849.348+/-657.267 χ^2/NDF:1.2/3

+ sign -336.548+/-373.293 χ^2/NDF: 23.4/20

All: 73.646+/-260.027 χ^2/NDF: 44.3/43

- sign 460.284+/-362.416 χ^2/NDF: 18.6/22

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1293.010+/-0.476 χ^2/NDF:7118.8/4

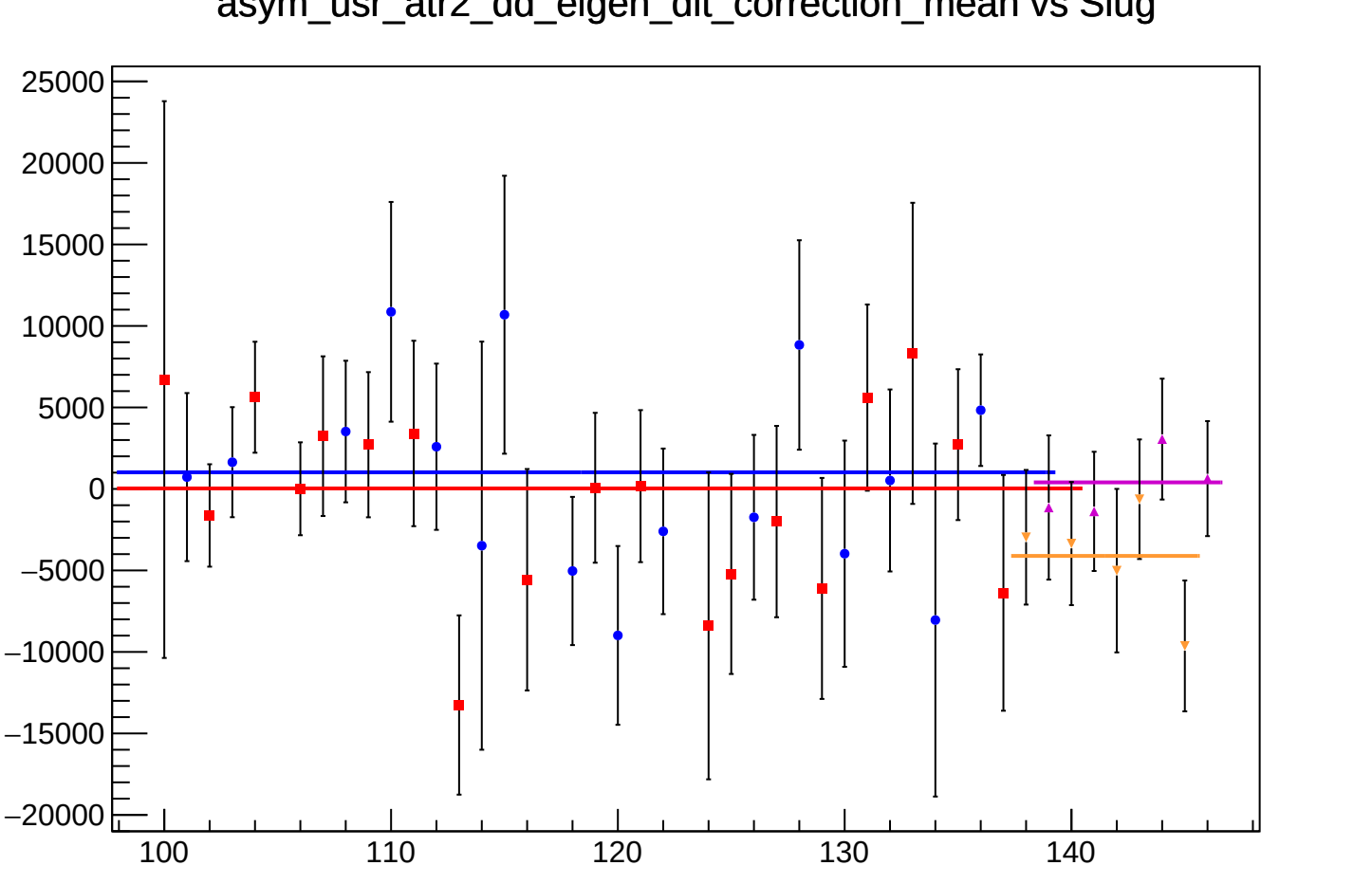
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1232.961+/-0.465 χ^2/NDF:26735.0/3

+ sign 1215.384+/-0.264 χ^2/NDF: 667356.4/20

All: 1192.823+/-0.184 χ^2/NDF: 1231071.4/43

- sign 1171.571+/-0.256 χ^2/NDF: 549527.9/22



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -4109.839+/-1811.191 χ^2/NDF:2.9/4

Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

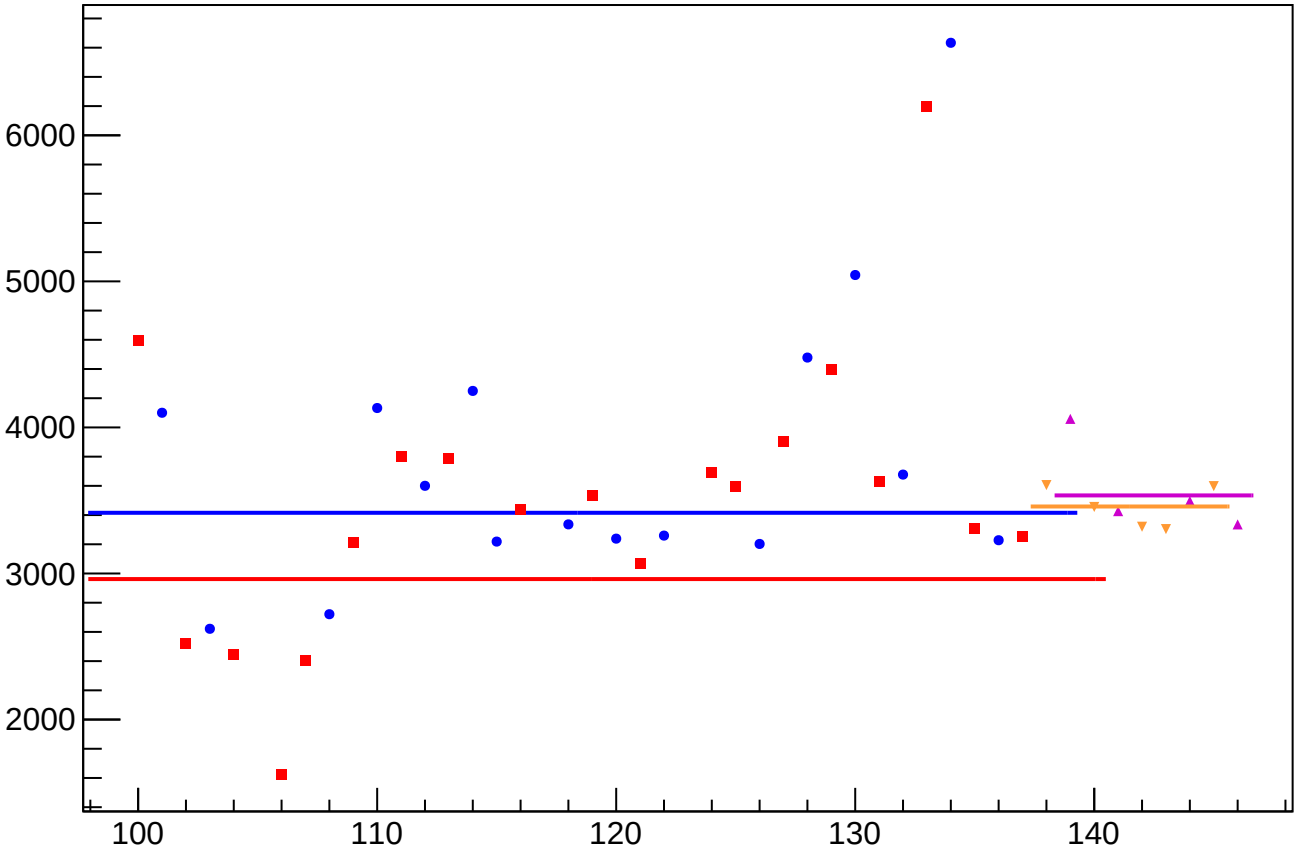
Left In: 401.427+/-1893.103 χ^2/NDF:0.9/3

+ sign -727.830+/-1057.417 χ^2/NDF: 22.1/20

All: -263.538+/-715.107 χ^2/NDF: 39.5/43

- sign 127.771+/-970.759 χ^2/NDF: 17.0/22

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3458.692+/-1.281 χ^2/NDF:10019.5/4

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

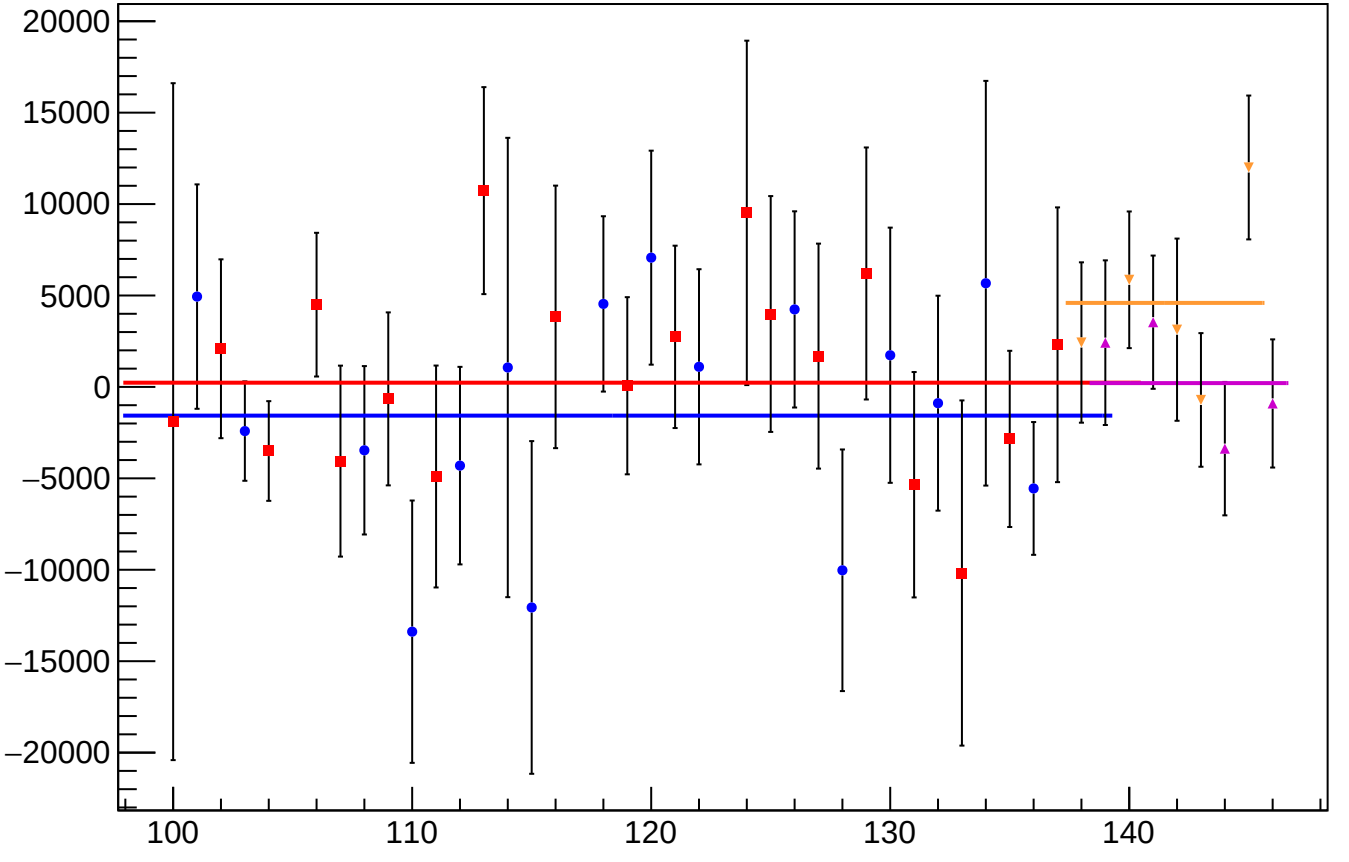
Left In: 3534.543+/-1.339 χ^2/NDF:36368.2/3

+ sign 3430.282+/-0.748 χ^2/NDF: 603105.1/20

All: 3257.783+/-0.506 χ^2/NDF: 2041743.1/43

- sign 3112.398+/-0.686 χ^2/NDF: 1340554.8/22

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 4594.983+/-1815.431 χ^2/NDF:6.1/4

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

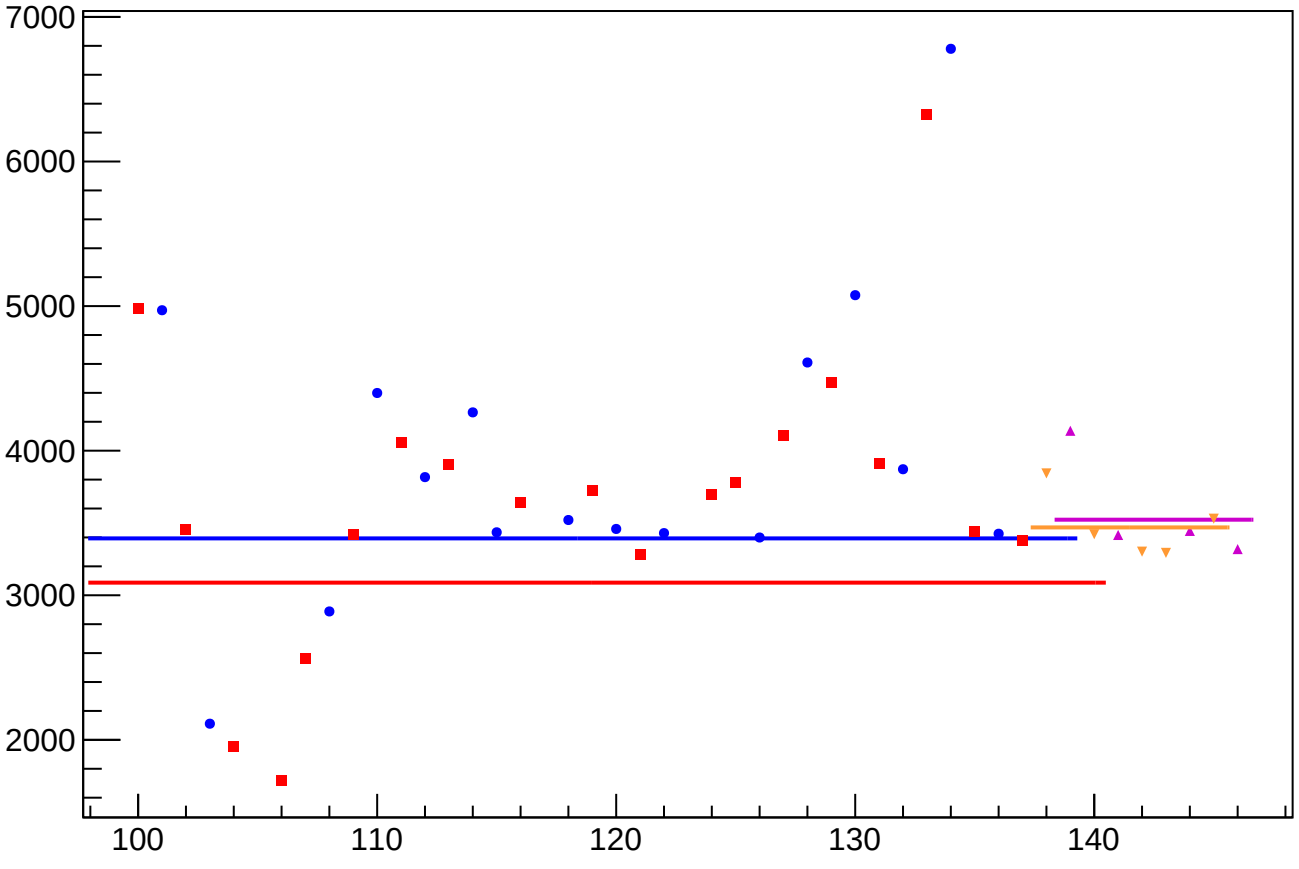
Left In: 208.898+/-1885.747 χ^2/NDF:2.1/3

+ sign 547.274+/-1063.872 χ^2/NDF: 28.1/20

All: 380.195+/-738.843 χ^2/NDF: 43.6/43

- sign 224.534+/-1026.874 χ^2/NDF: 15.4/22

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3469.272+/-1.284 χ^2/NDF:22212.9/4

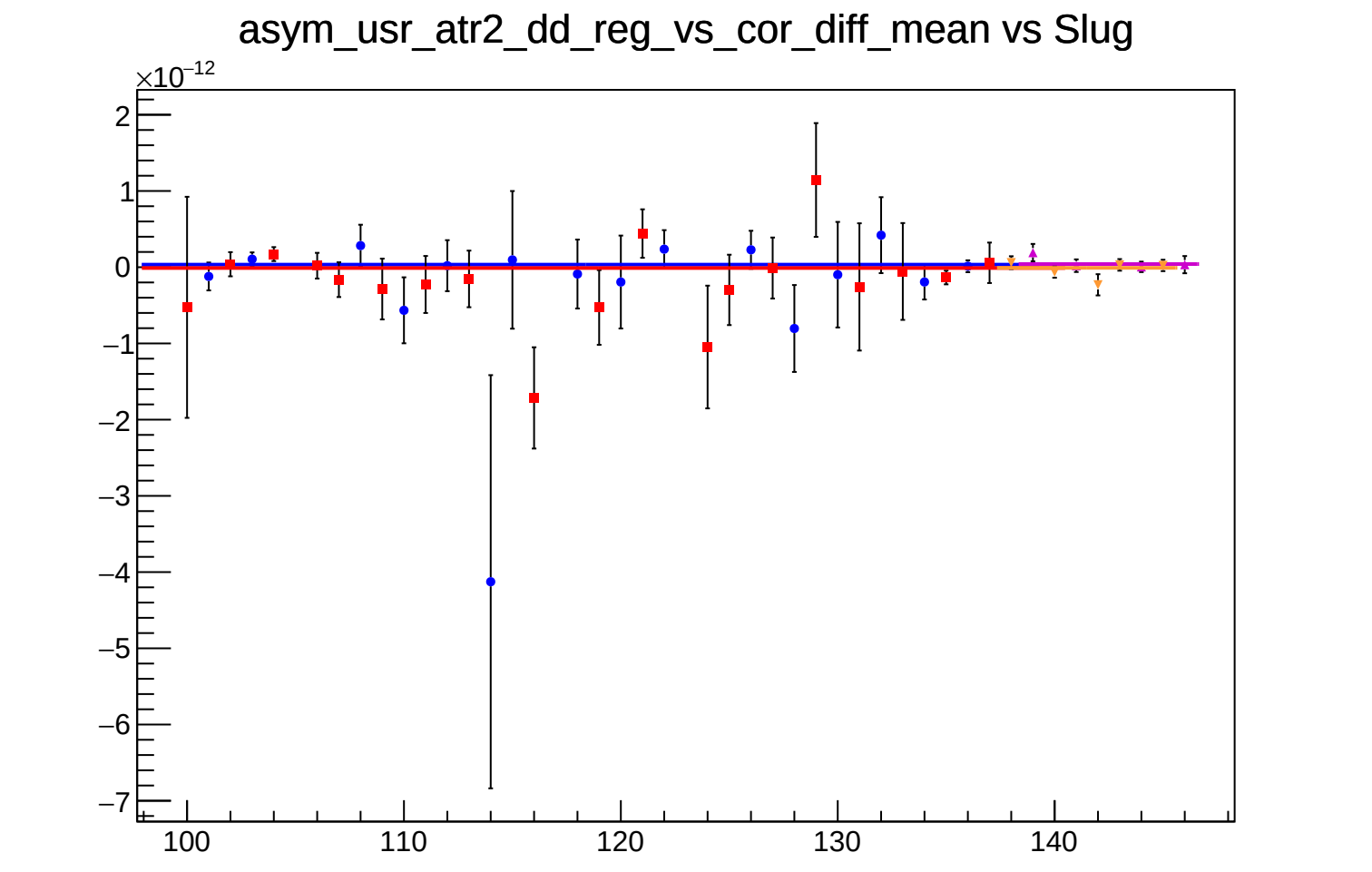
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3522.707+/-1.333 χ^2/NDF:46630.3/3

+ sign 3419.432+/-0.752 χ^2/NDF: 1073216.2/20

All: 3311.527+/-0.519 χ^2/NDF: 2563244.2/43

- sign 3213.369+/-0.717 χ^2/NDF: 1450736.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/4

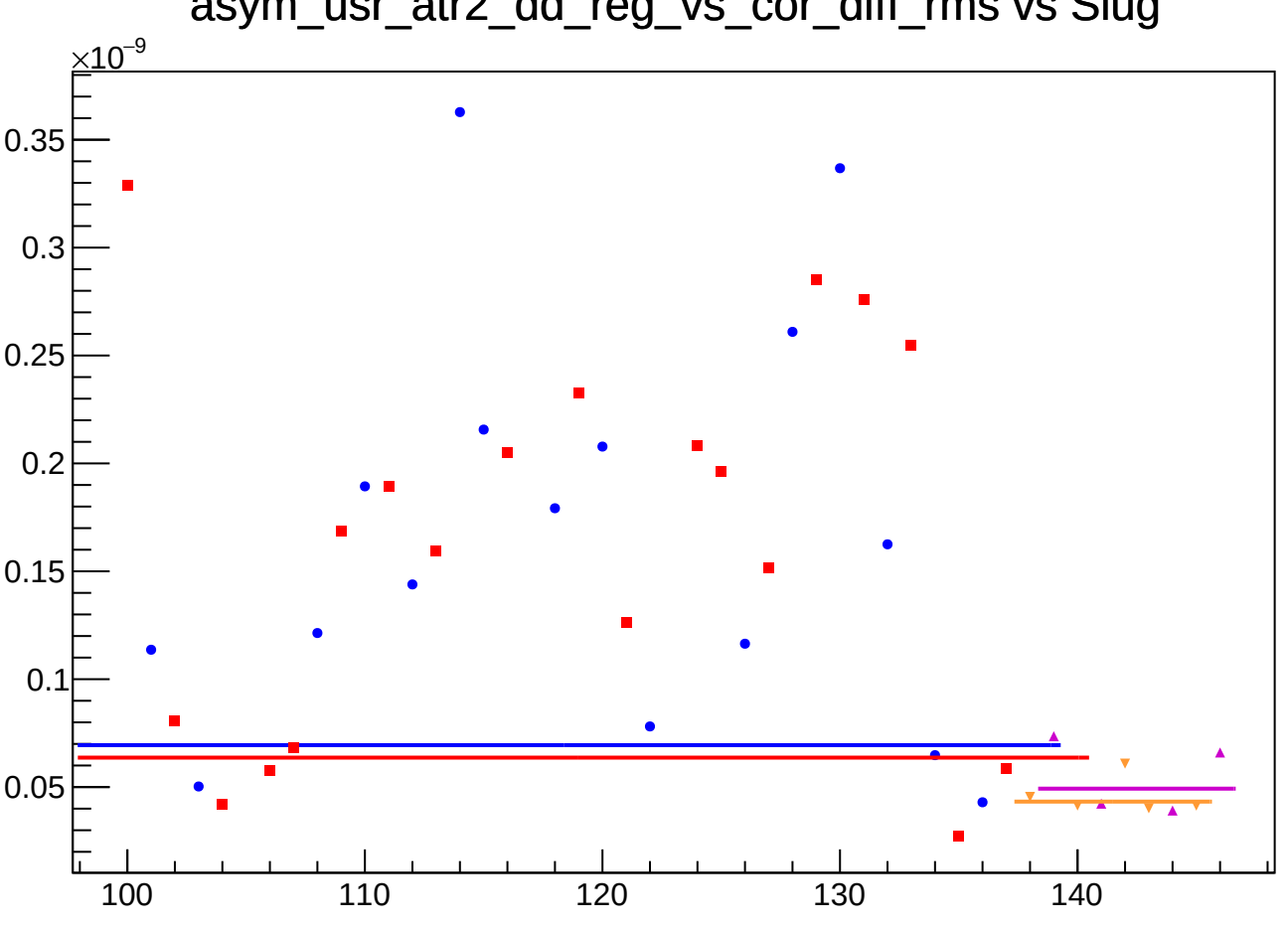
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 16.6/20

All: 0.000+/-0.000 χ^2/NDF: 41.2/43

- sign 0.000+/-0.000 χ^2/NDF: 24.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:39167.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

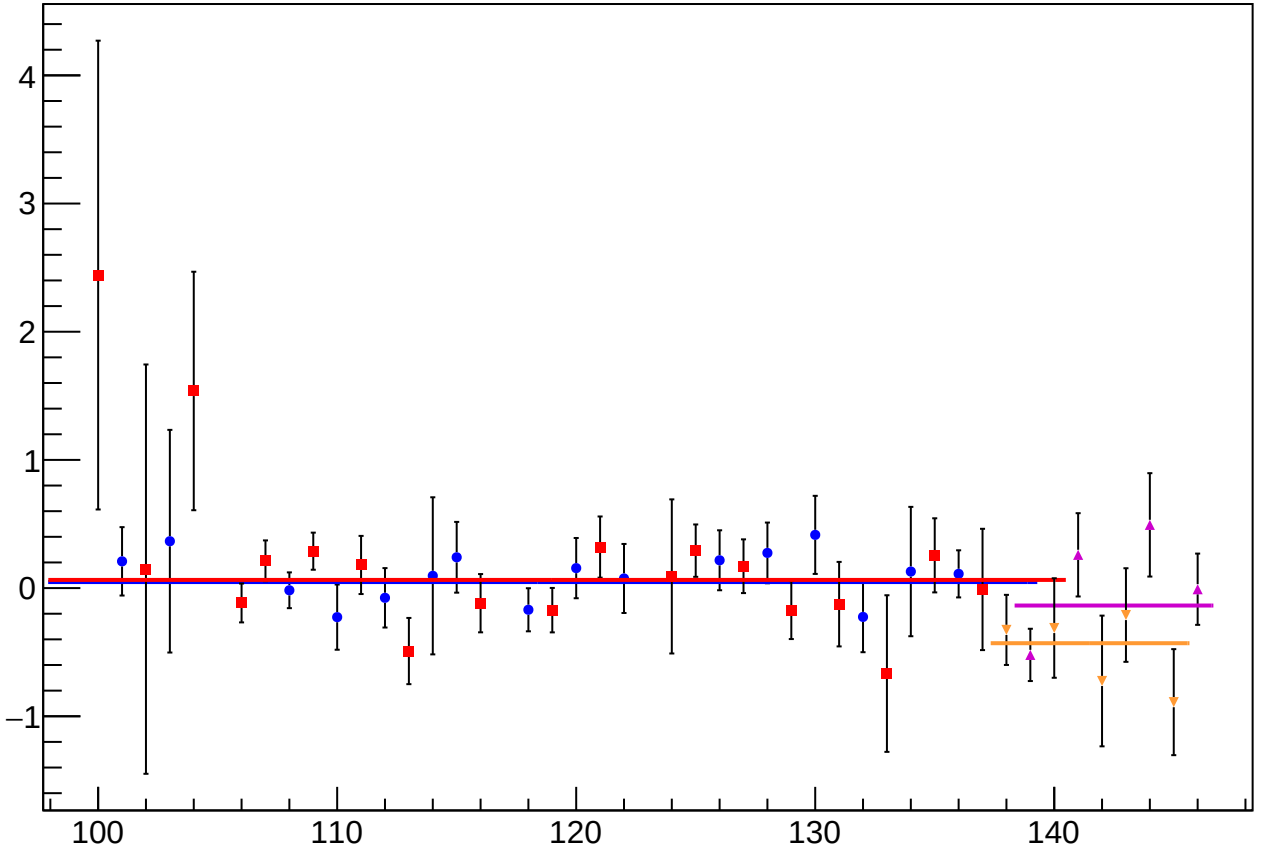
Left In: 0.000+/-0.000 χ^2/NDF:193029.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2133158.9/20

All: 0.000+/-0.000 χ^2/NDF: 4679060.8/43

- sign 0.000+/-0.000 χ^2/NDF: 2537492.8/22

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: -0.430+/-0.164 χ^2/NDF:2.2/4

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

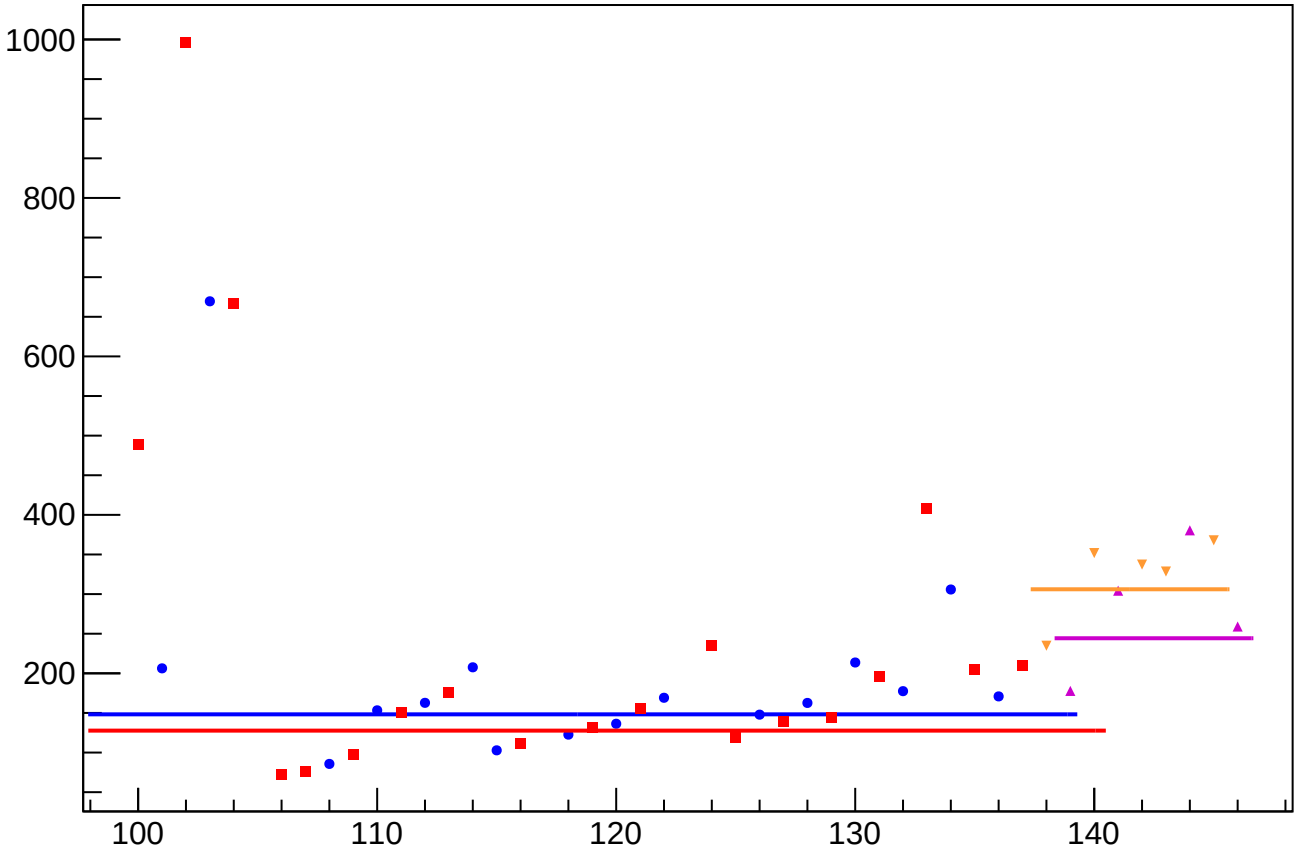
Left In: -0.136+/-0.138 χ^2/NDF:7.7/3

+ sign -0.009+/-0.056 χ^2/NDF: 18.2/20

All: 0.016+/-0.038 χ^2/NDF: 50.3/43

- sign 0.037+/-0.051 χ^2/NDF: 31.7/22

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: 306.077+/-0.116 χ^2/NDF:223060.4/4

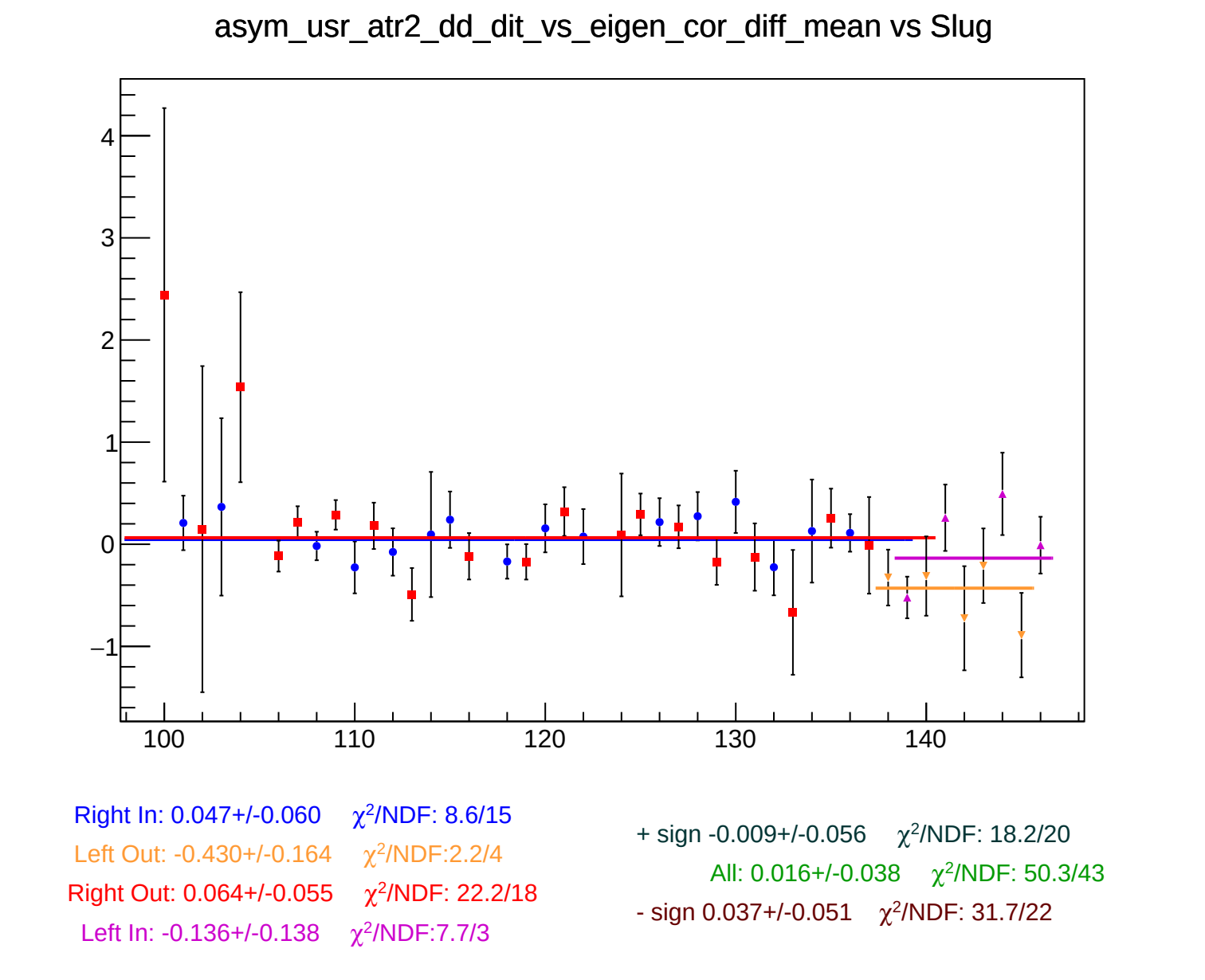
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.269+/-0.097 χ^2/NDF:514403.3/3

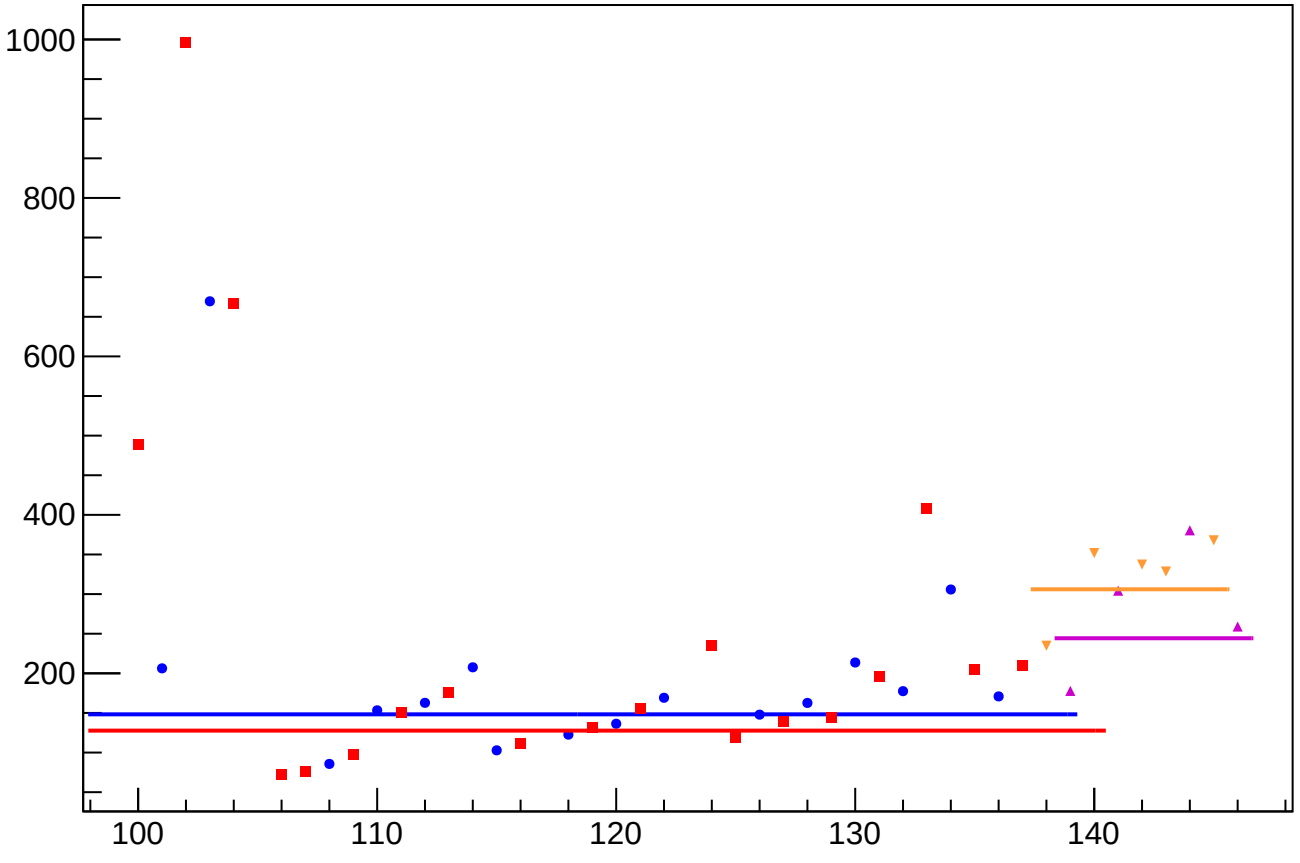
+ sign 166.898+/-0.040 χ^2/NDF: 3567562.6/20

All: 154.003+/-0.027 χ^2/NDF: 8349164.0/43

- sign 143.523+/-0.036 χ^2/NDF: 4591881.9/22


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.430+/-0.164 χ²/NDF:2.2/4
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.136+/-0.138 χ²/NDF:7.7/3
+ sign -0.009+/-0.056 χ²/NDF: 18.2/20
All: 0.016+/-0.038 χ²/NDF: 50.3/43
- sign 0.037+/-0.051 χ²/NDF: 31.7/22

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: 306.077+/-0.116 χ^2/NDF:223060.4/4

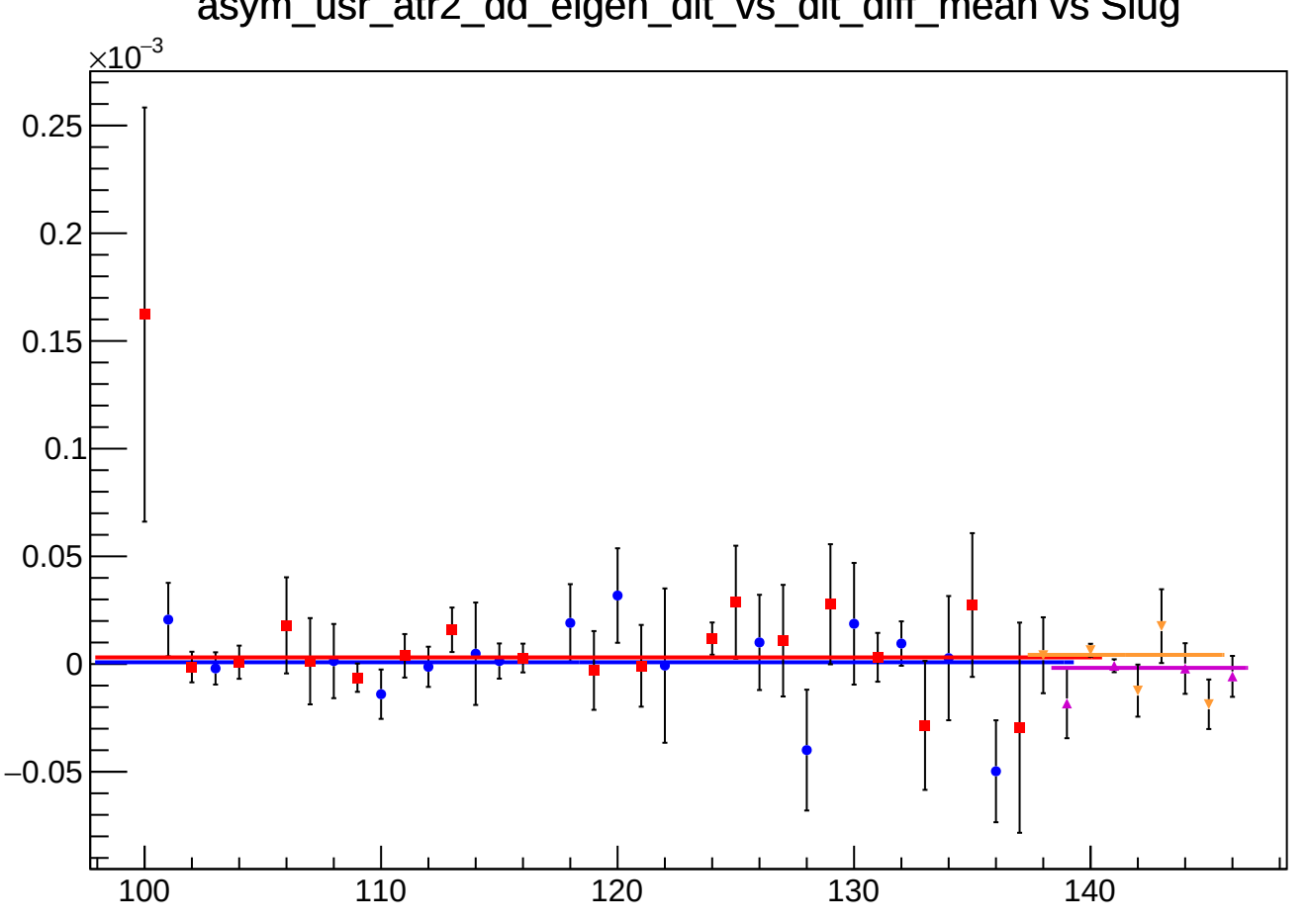
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

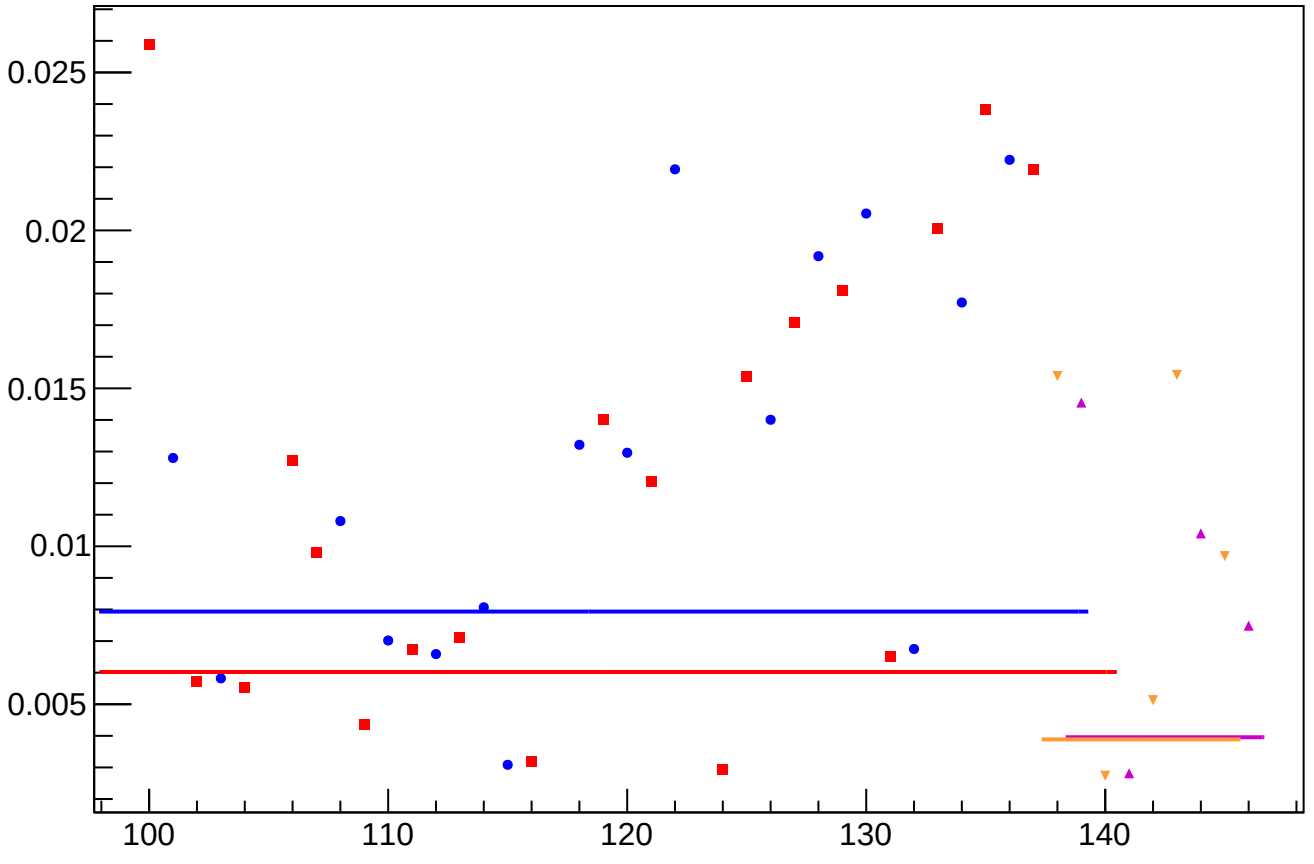
Left In: 244.269+/-0.097 χ^2/NDF:514403.3/3

+ sign 166.898+/-0.040 χ^2/NDF: 3567562.6/20

All: 154.003+/-0.027 χ^2/NDF: 8349164.0/43

- sign 143.523+/-0.036 χ^2/NDF: 4591881.9/22


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 12.7/18
Left In: -0.000+/-0.000 χ²/NDF:1.3/3
+ sign 0.000+/-0.000 χ²/NDF: 21.9/20
All: 0.000+/-0.000 χ²/NDF: 38.1/43
- sign 0.000+/-0.000 χ²/NDF: 15.7/22



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2585818.4/4

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

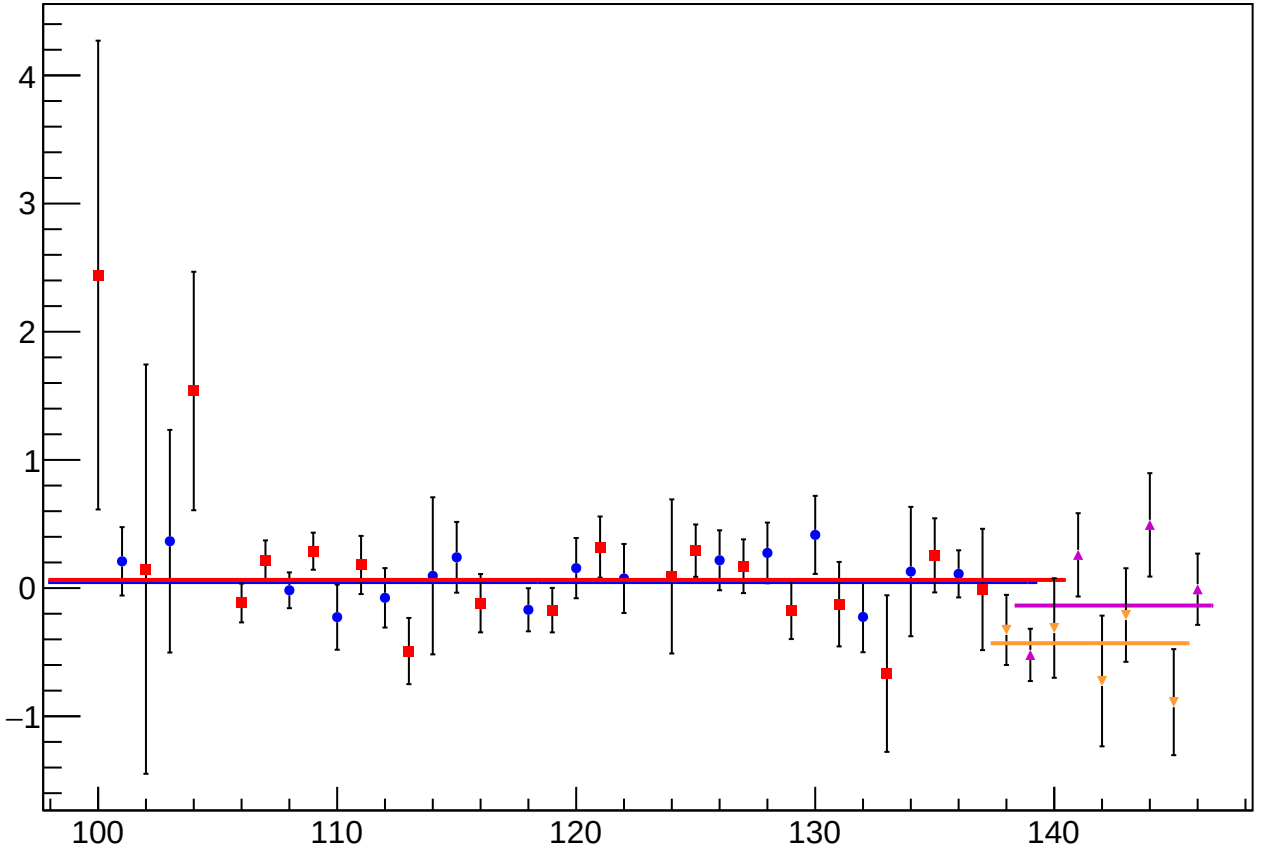
Left In: 0.004+/-0.000 χ^2/NDF:2027580.7/3

+ sign 0.005+/-0.000 χ^2/NDF: 7842890.4/20

All: 0.005+/-0.000 χ^2/NDF: 14513855.6/43

- sign 0.005+/-0.000 χ^2/NDF: 6628299.2/22

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: -0.430+/-0.164 χ^2/NDF:2.2/4

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

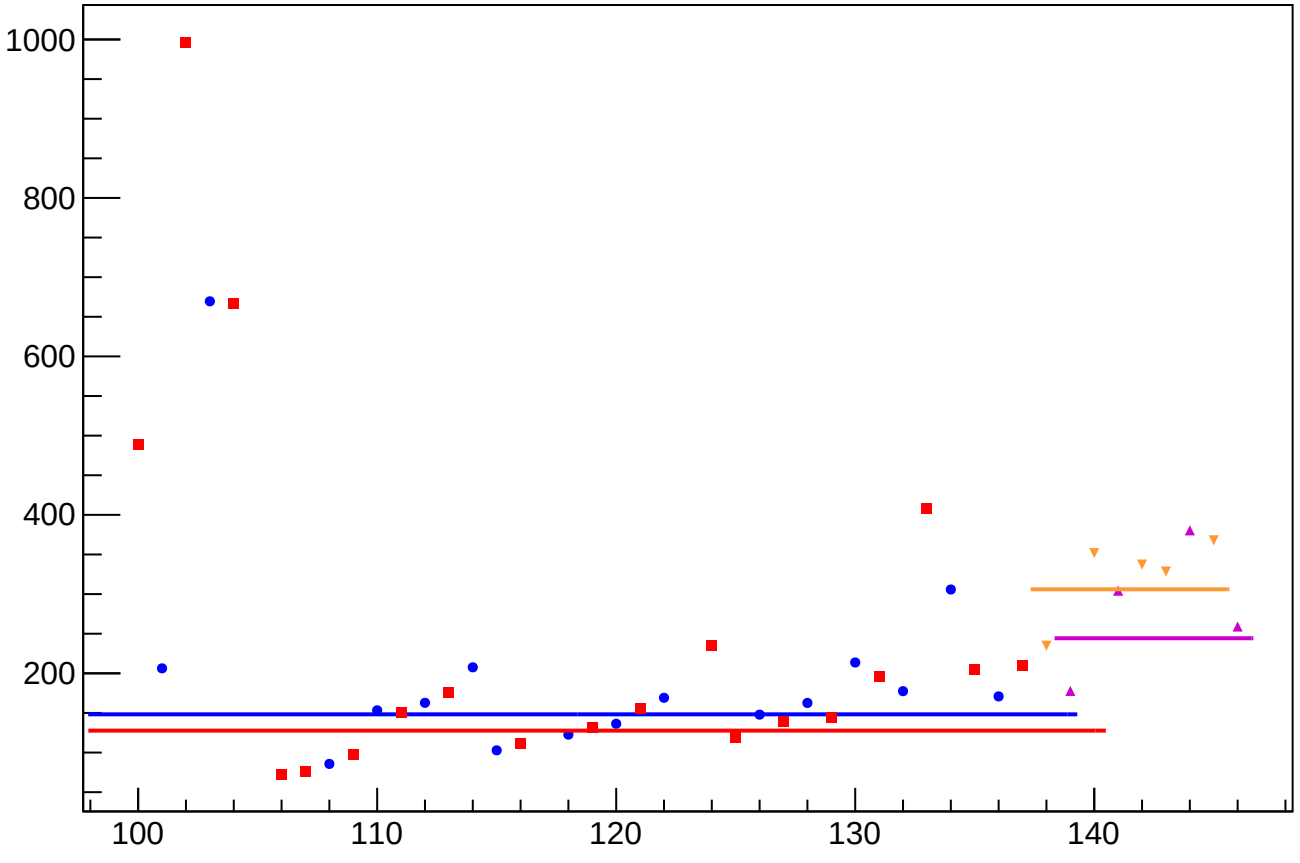
Left In: -0.136+/-0.138 χ^2/NDF:7.7/3

+ sign -0.009+/-0.056 χ^2/NDF: 18.2/20

All: 0.016+/-0.038 χ^2/NDF: 50.3/43

- sign 0.037+/-0.051 χ^2/NDF: 31.7/22

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 306.081+/-0.116 χ^2/NDF:223043.7/4

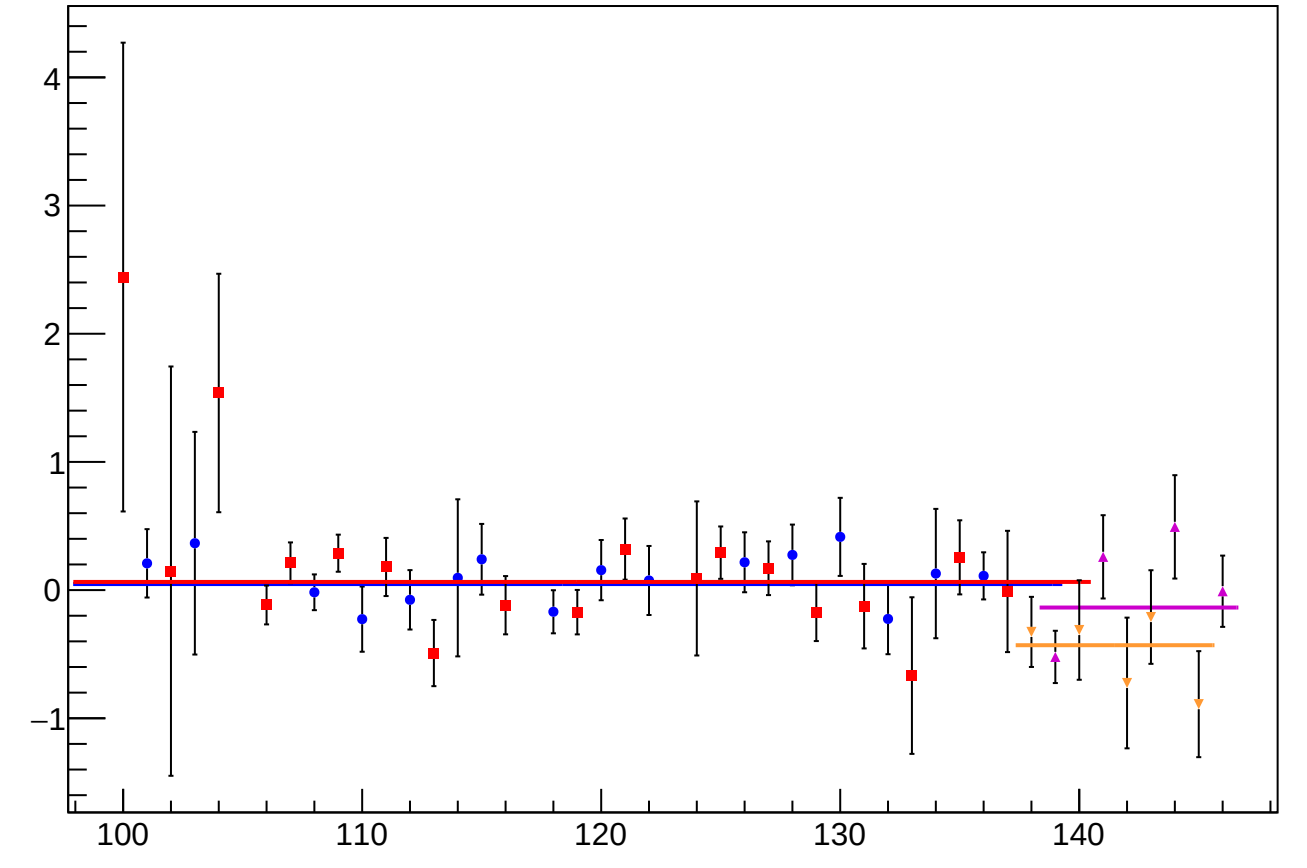
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.272+/-0.097 χ^2/NDF:514381.6/3

+ sign 166.896+/-0.040 χ^2/NDF: 3567728.4/20

All: 154.002+/-0.027 χ^2/NDF: 8349299.6/43

- sign 143.523+/-0.036 χ^2/NDF: 4591893.2/22



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.430+/-0.164 χ^2/NDF:2.2/4

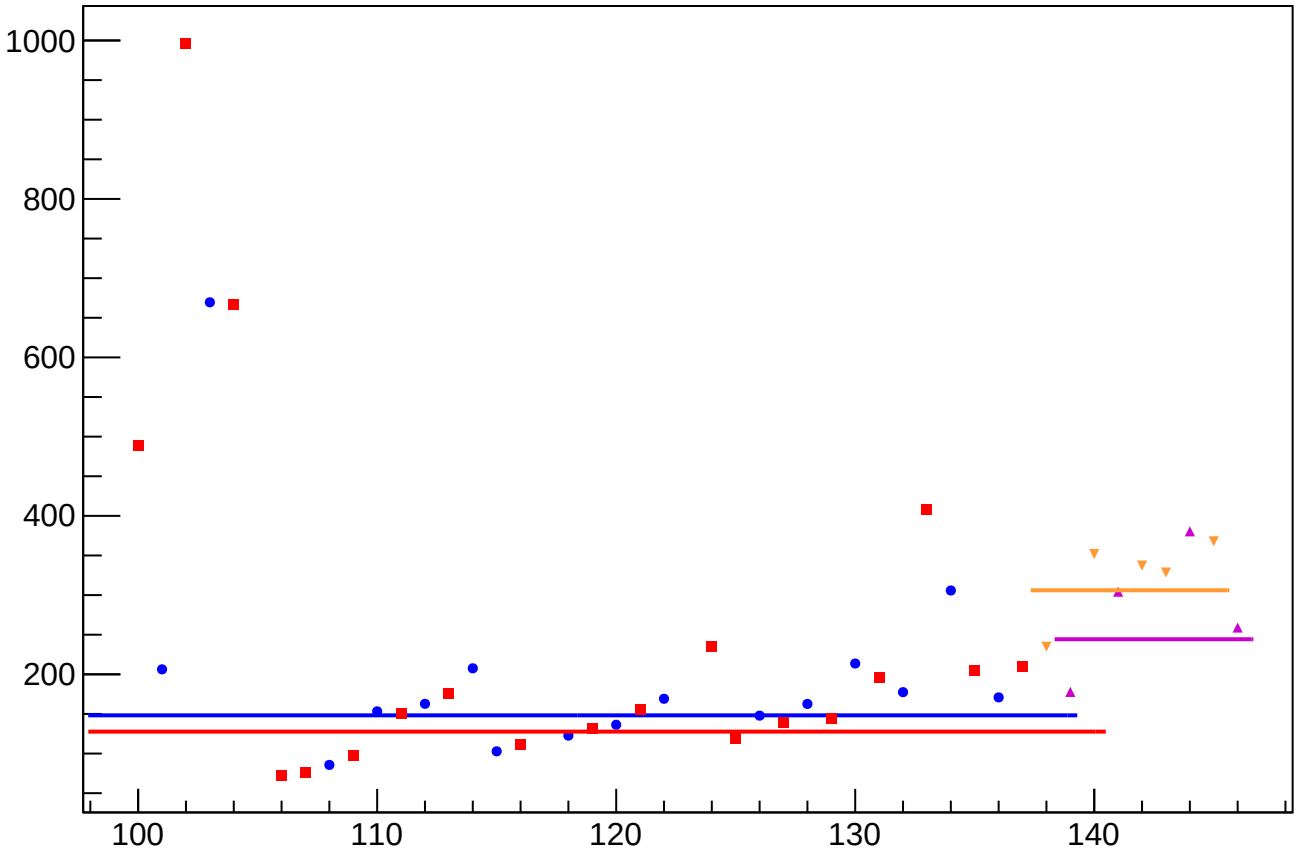
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.136+/-0.138 χ^2/NDF:7.7/3

+ sign -0.009+/-0.056 χ^2/NDF: 18.2/20

All: 0.016+/-0.038 χ^2/NDF: 50.3/43

- sign 0.037+/-0.051 χ^2/NDF: 31.7/22



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 306.081+/-0.116 χ^2/NDF:223043.7/4

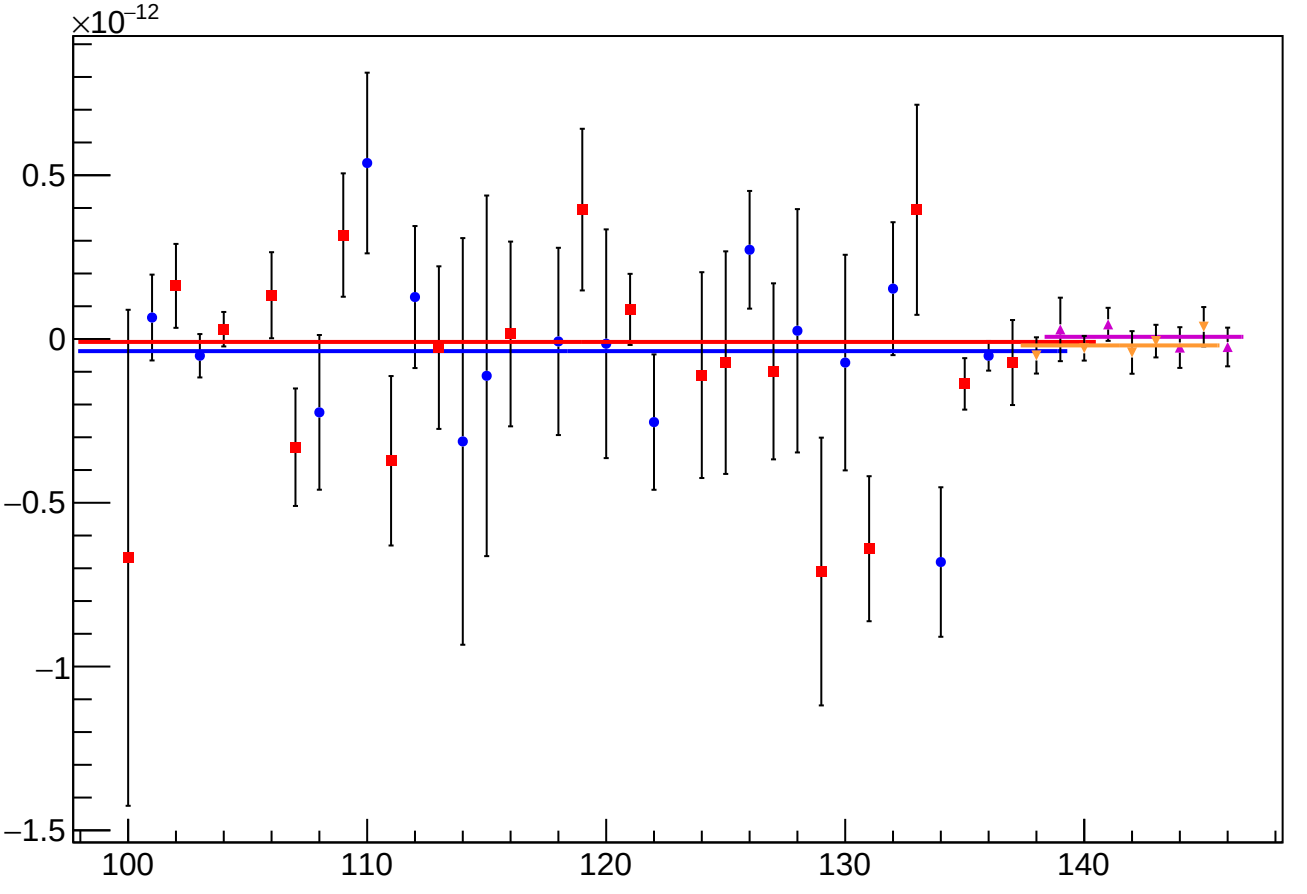
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.272+/-0.097 χ^2/NDF:514381.6/3

+ sign 166.896+/-0.040 χ^2/NDF: 3567728.4/20

All: 154.002+/-0.027 χ^2/NDF: 8349299.6/43

- sign 143.523+/-0.036 χ^2/NDF: 4591893.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/4

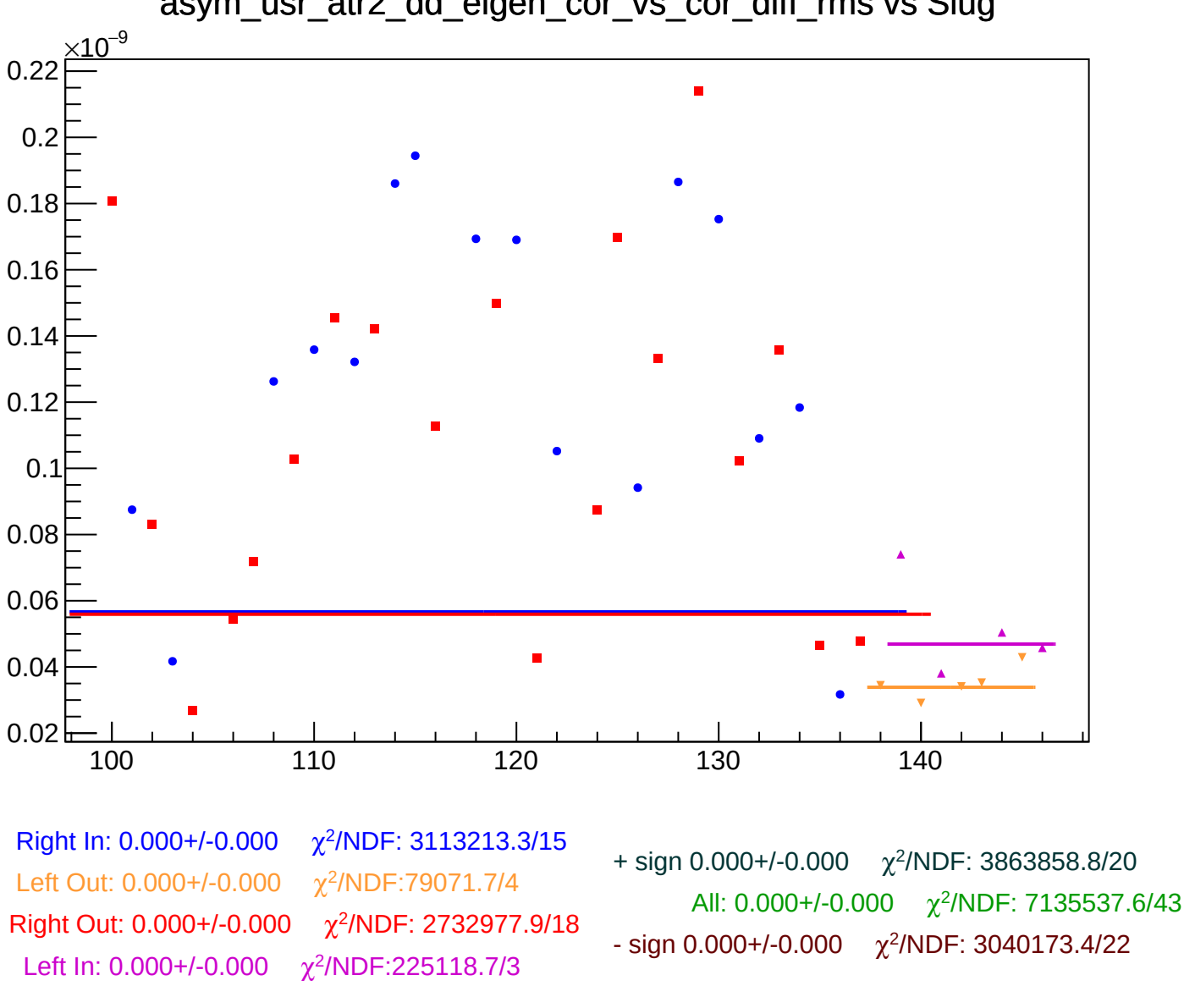
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

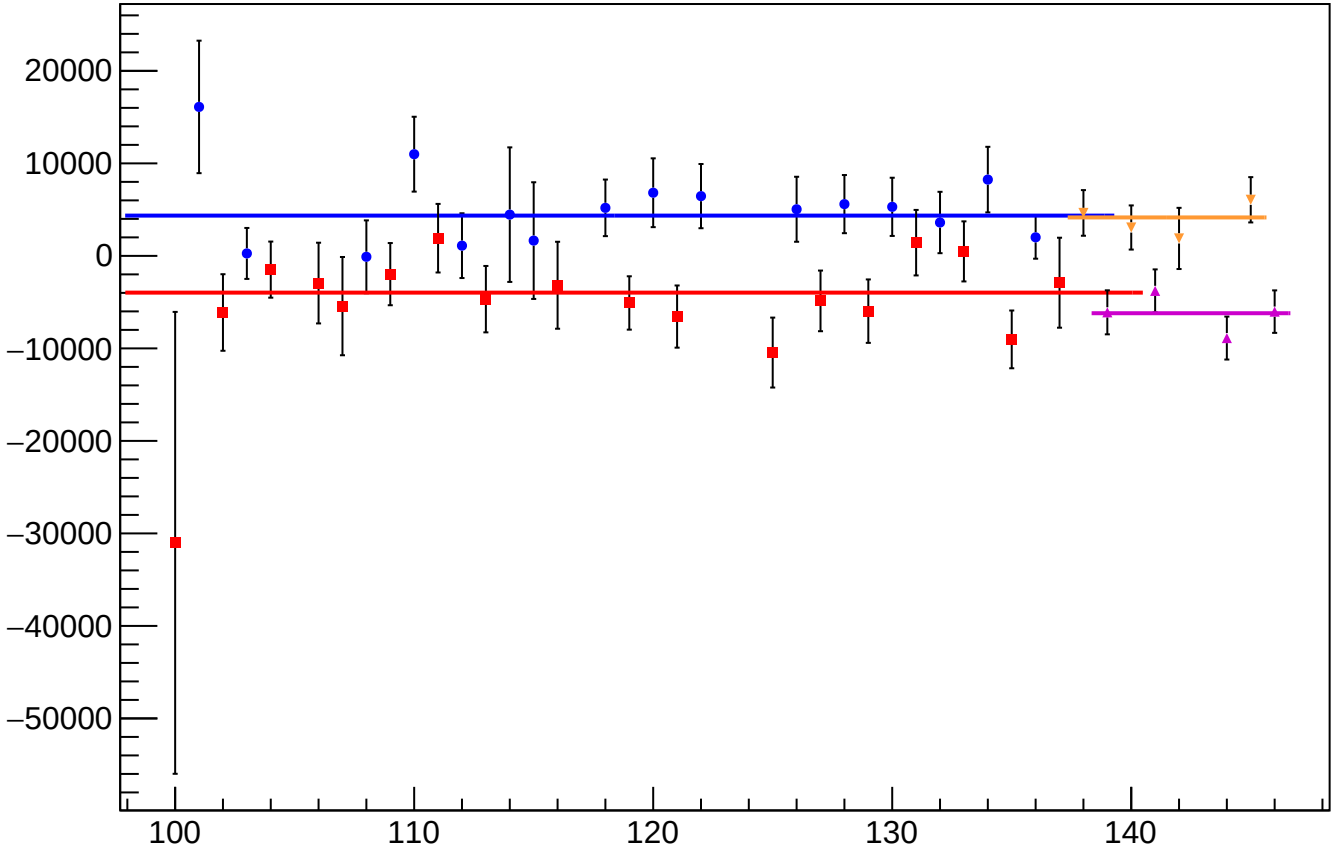
+ sign -0.000+/-0.000 χ^2/NDF: 21.1/20

All: -0.000+/-0.000 χ^2/NDF: 54.9/43

- sign -0.000+/-0.000 χ^2/NDF: 33.1/22


asym_usr_atr2_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
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:79071.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:225118.7/3
+ sign 0.000+/-0.000 χ²/NDF: 3863858.8/20
All: 0.000+/-0.000 χ²/NDF: 7135537.6/43
- sign 0.000+/-0.000 χ²/NDF: 3040173.4/22

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4155.885+/-1292.996 χ^2/NDF:1.3/3

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

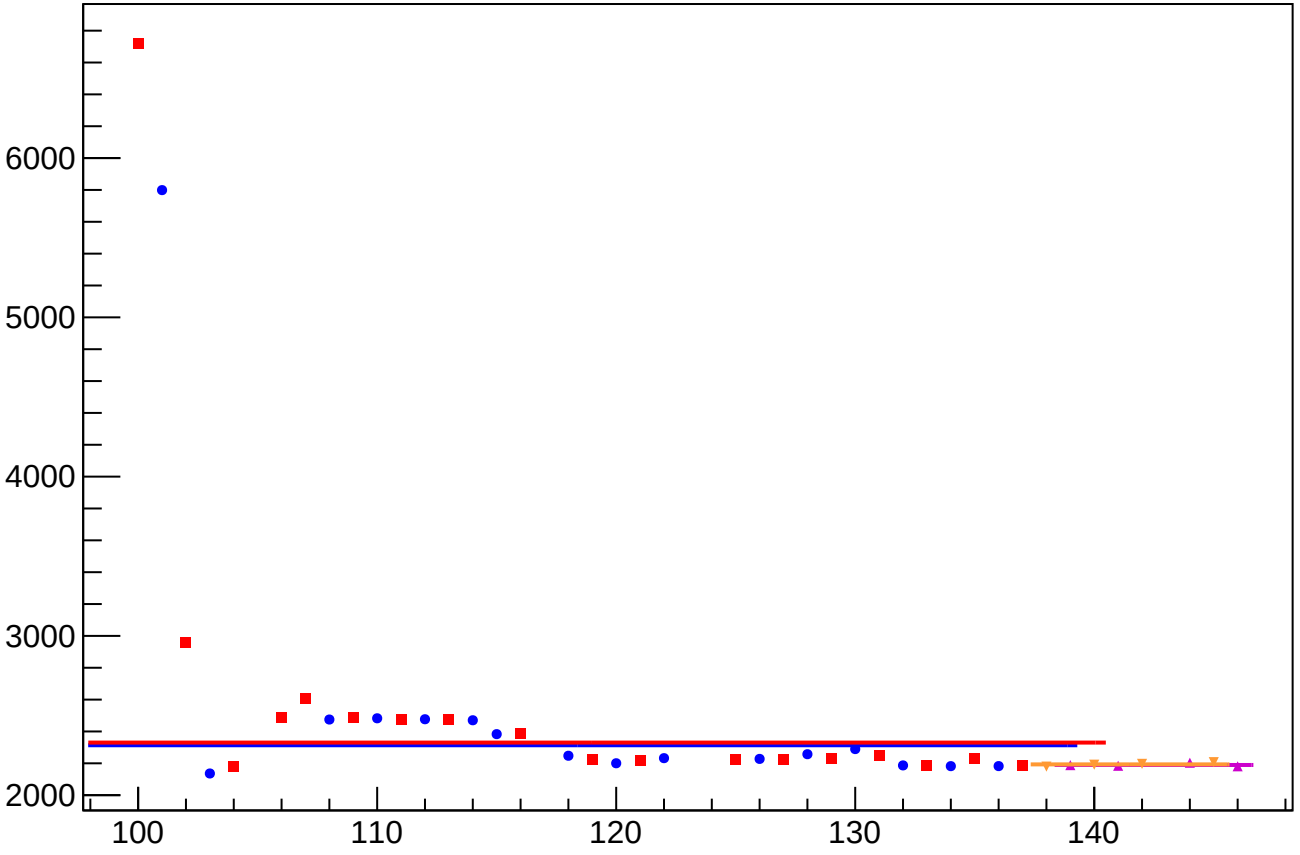
Left In: -6197.912+/-1164.756 χ^2/NDF:2.4/3

+ sign 4291.995+/-724.751 χ^2/NDF: 14.7/19

All: -411.556+/-502.637 χ^2/NDF: 116.8/41

- sign -4770.465+/-697.694 χ^2/NDF: 20.9/21

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2193.251+/-0.914 χ^2/NDF:132.3/3

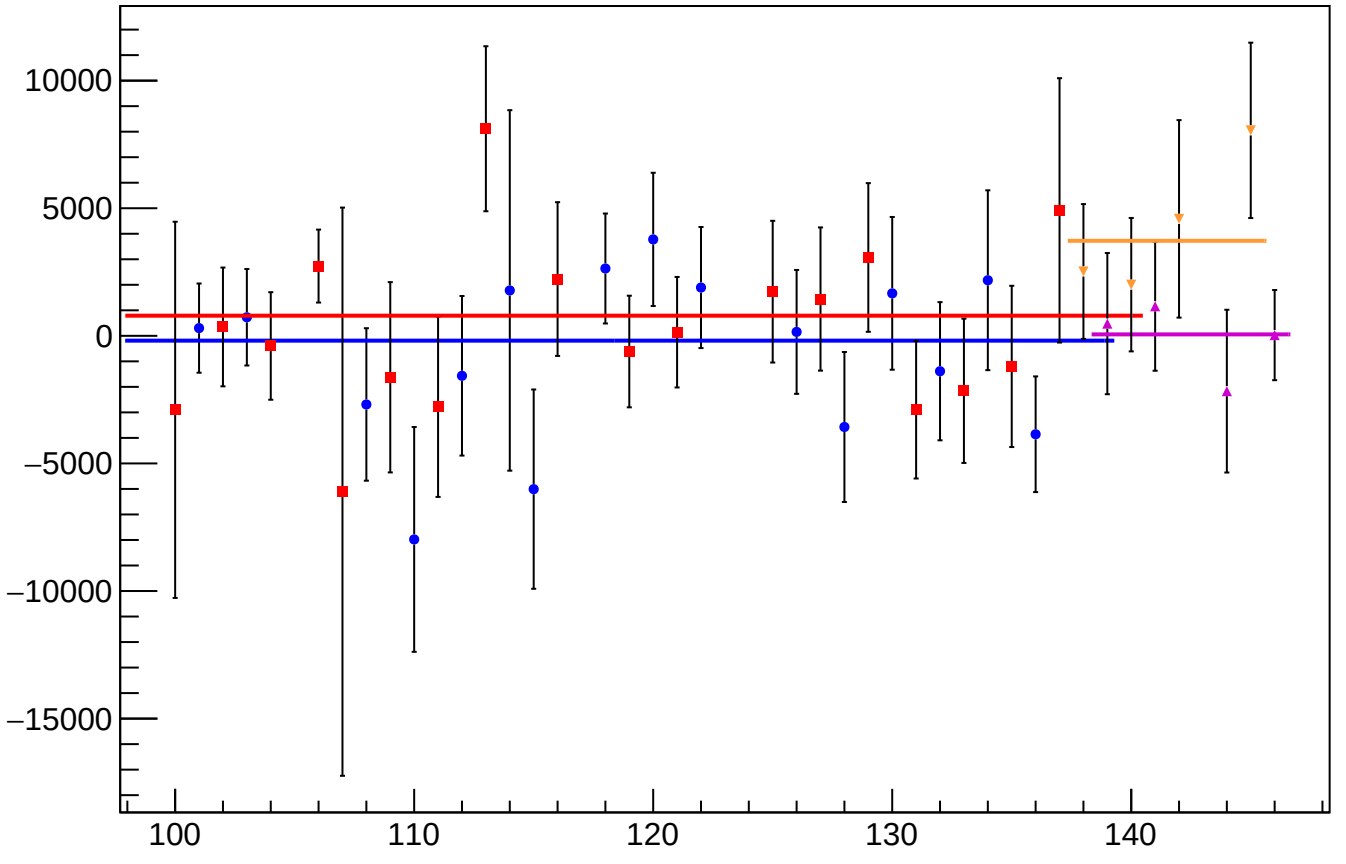
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

+ sign 2275.660+/-0.512 χ^2/NDF: 524350.2/19

All: 2277.772+/-0.355 χ^2/NDF: 694406.4/41

- sign 2279.729+/-0.493 χ^2/NDF: 170023.5/21



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 3724.014+/-1505.591 χ^2/NDF:2.3/3

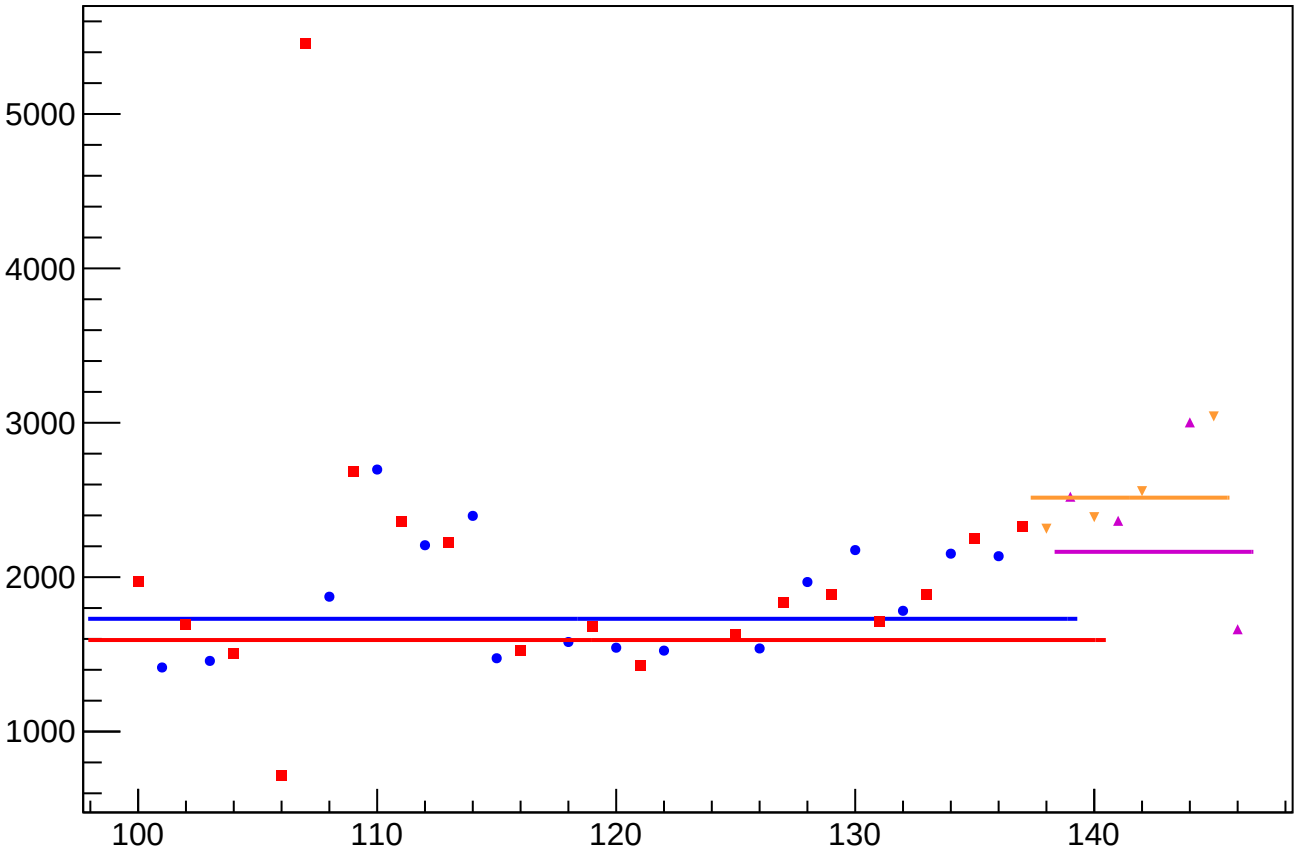
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 56.584+/-1190.255 χ^2/NDF:0.7/3

+ sign 439.354+/-603.191 χ^2/NDF: 24.4/19

All: 540.110+/-410.474 χ^2/NDF: 40.3/41

- sign 627.012+/-560.187 χ^2/NDF: 15.9/21



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 2515.004+/-1.065 χ^2/NDF:63408.3/3

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

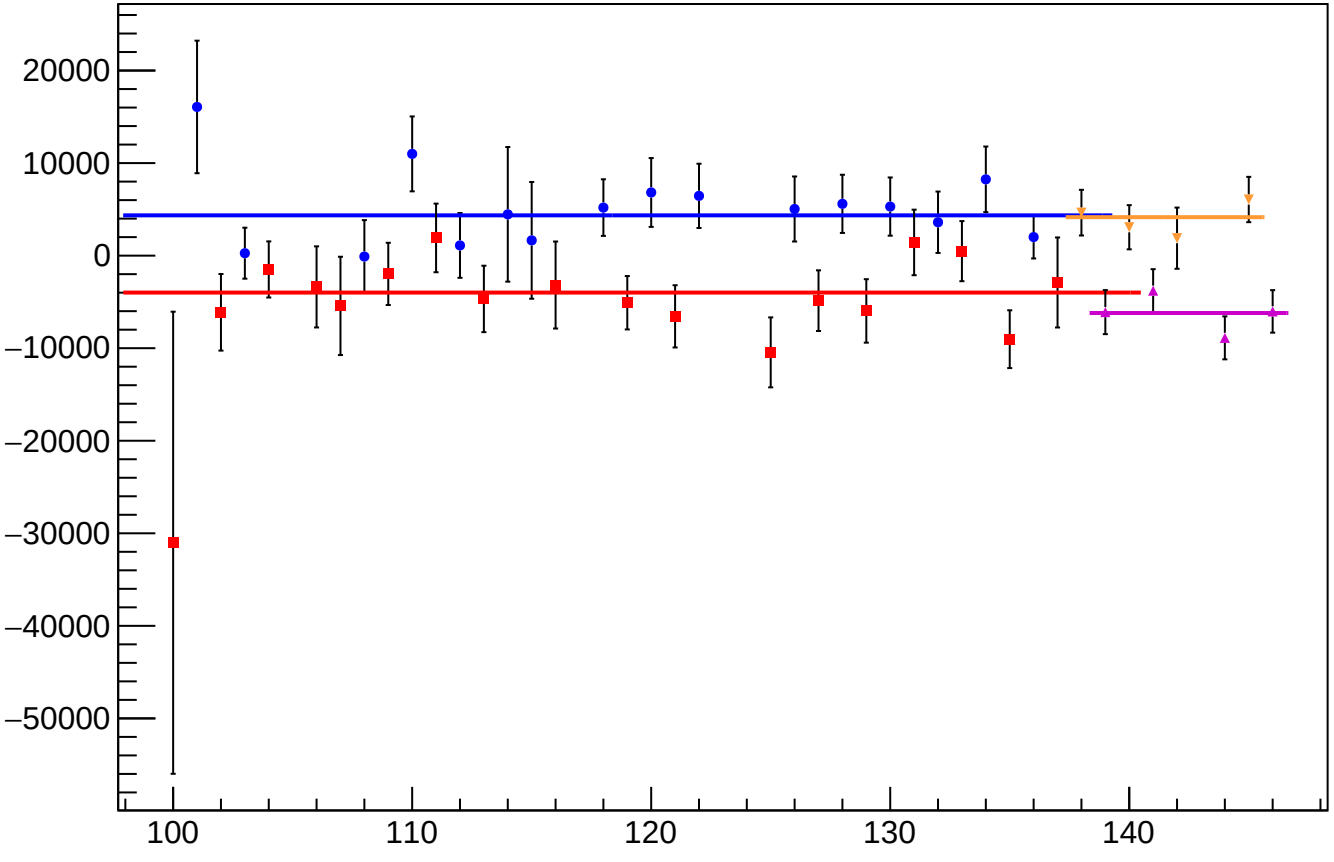
Left In: 2164.123+/-0.842 χ^2/NDF:345282.0/3

+ sign 1856.240+/-0.427 χ^2/NDF: 998438.3/19

All: 1782.753+/-0.290 χ^2/NDF: 3313915.0/41

- sign 1719.370+/-0.396 χ^2/NDF: 2260187.2/21

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4156.053+/-1292.996 χ^2/NDF:1.3/3

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

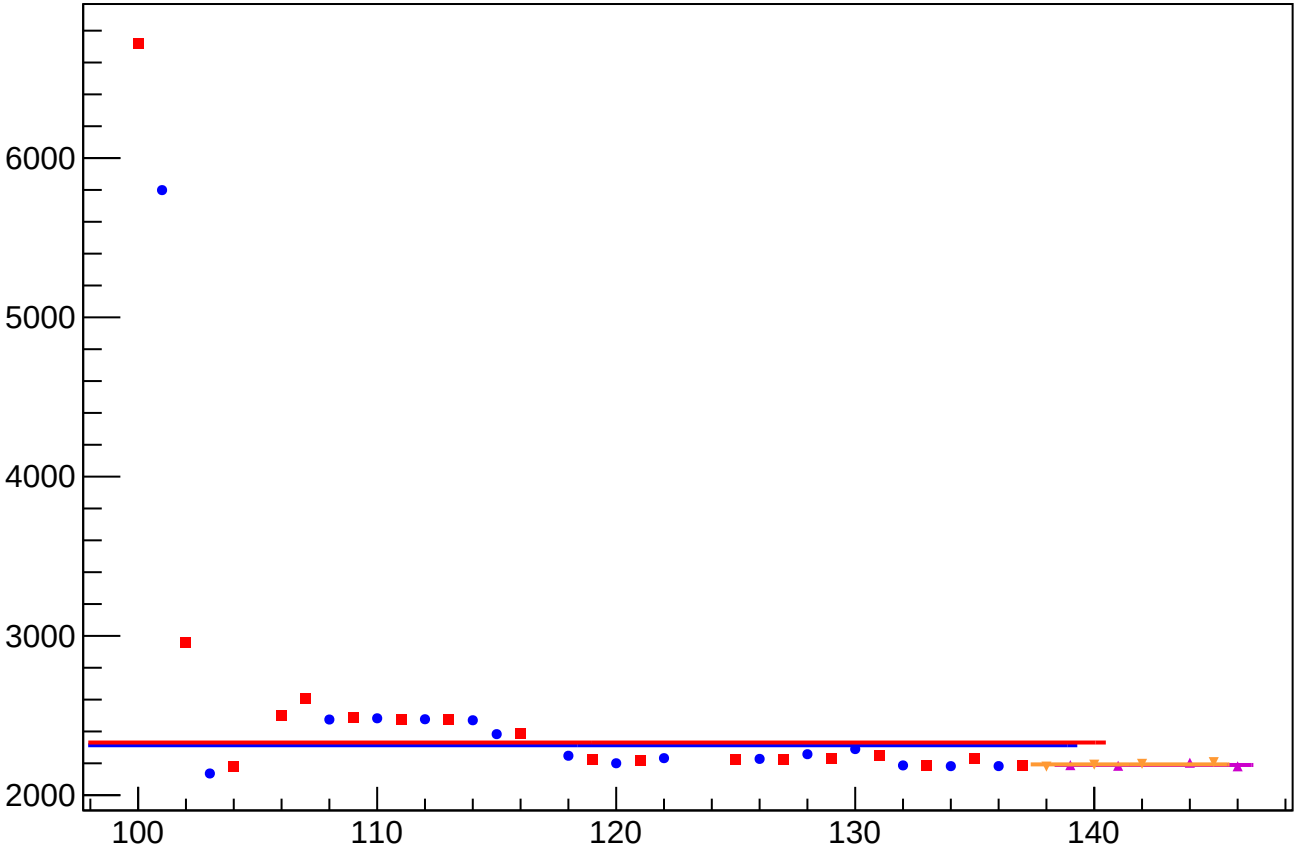
Left In: -6198.176+/-1164.756 χ^2/NDF:2.4/3

+ sign 4291.582+/-724.751 χ^2/NDF: 14.7/19

All: -417.453+/-502.666 χ^2/NDF: 116.9/41

- sign -4782.408+/-697.771 χ^2/NDF: 20.9/21

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2193.251+/-0.914 χ^2/NDF:132.3/3

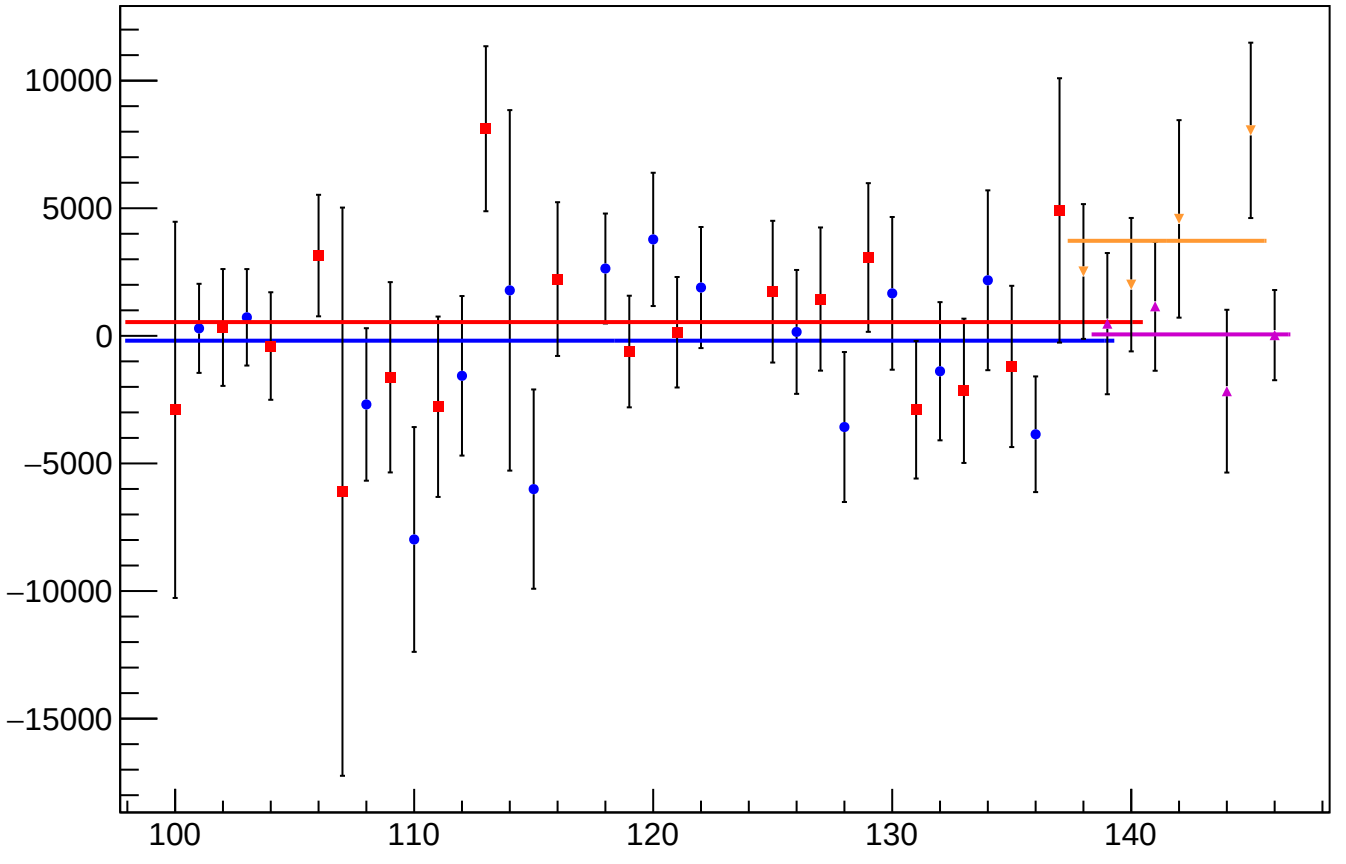
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

+ sign 2275.660+/-0.512 χ^2/NDF: 524350.7/19

All: 2277.889+/-0.355 χ^2/NDF: 694852.7/41

- sign 2279.955+/-0.493 χ^2/NDF: 170465.6/21



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 3724.088+/-1505.586 χ^2/NDF:2.3/3

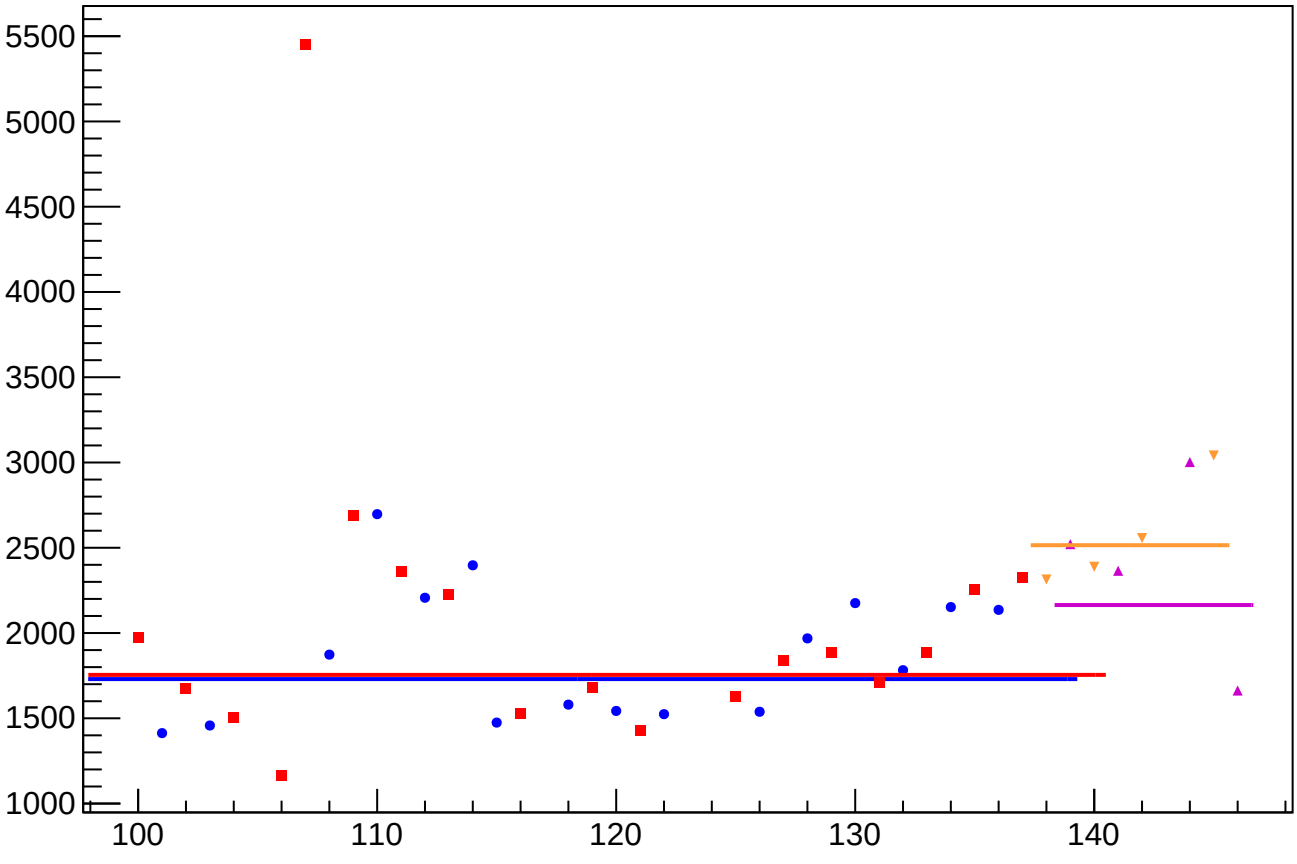
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 56.596+/-1190.258 χ^2/NDF:0.7/3

\+ sign 438.237+/-603.091 χ^2/NDF: 24.4/19

All: 429.497+/-421.477 χ^2/NDF: 39.1/41

\- sign 421.153+/-589.267 χ^2/NDF: 14.7/21



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2514.994+/-1.065 χ^2/NDF:63406.0/3

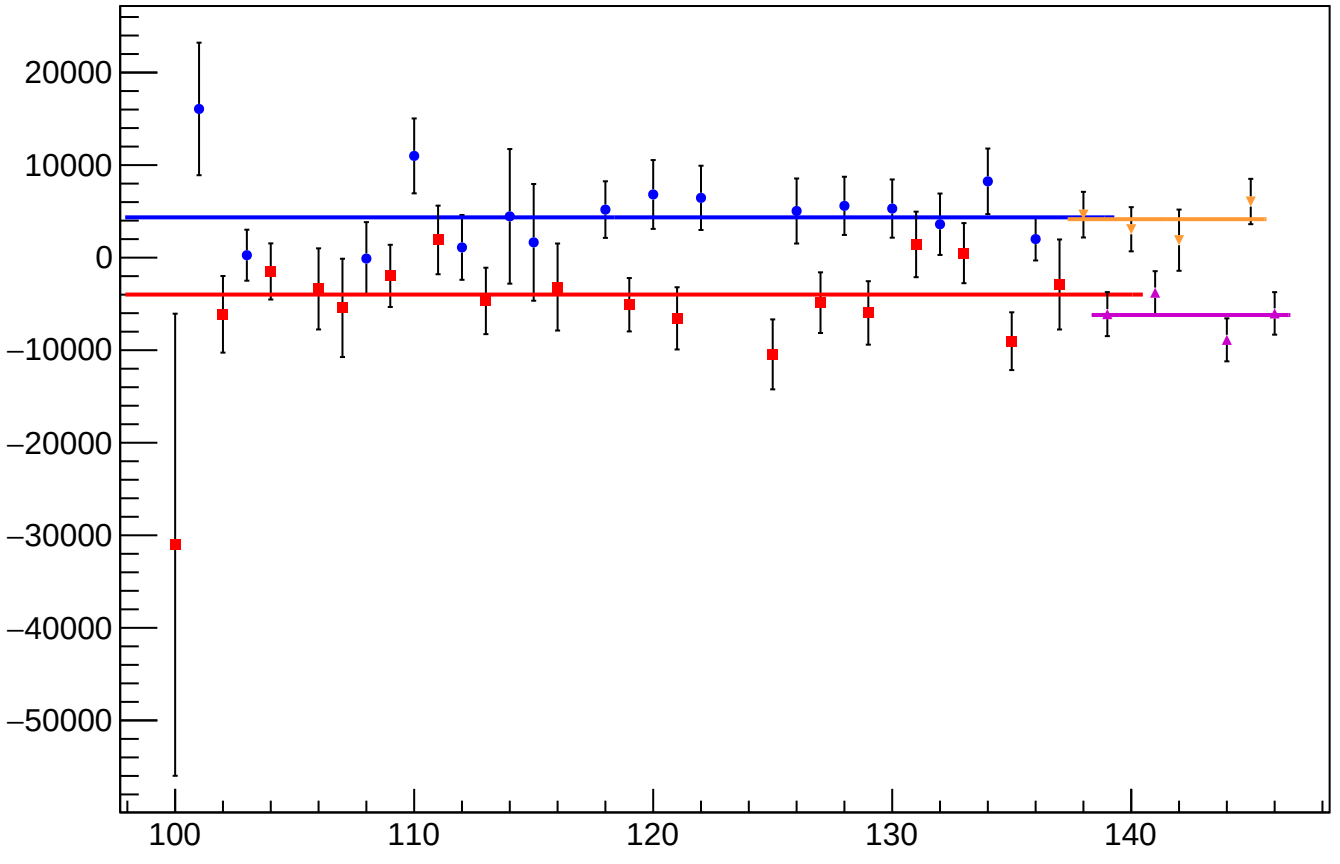
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2164.128+/-0.842 χ^2/NDF:345280.0/3

+ sign 1855.871+/-0.426 χ^2/NDF: 999874.7/19

All: 1855.384+/-0.298 χ^2/NDF: 2274964.7/41

- sign 1854.919+/-0.417 χ^2/NDF: 1275087.5/21



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4156.053+/-1292.996 χ^2/NDF:1.3/3

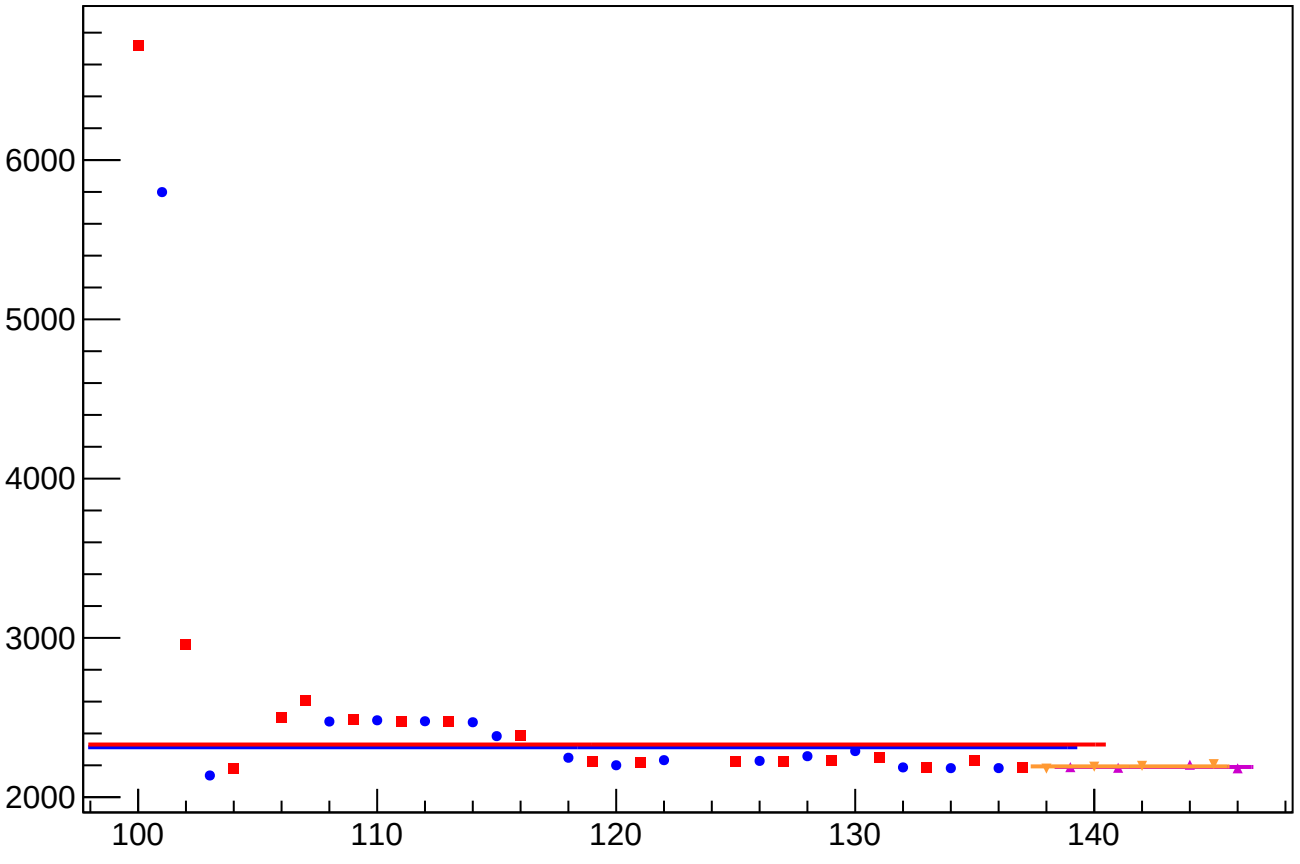
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -6198.176+/-1164.756 χ^2/NDF:2.4/3

+ sign 4291.582+/-724.751 χ^2/NDF: 14.7/19

All: -417.453+/-502.666 χ^2/NDF: 116.9/41

- sign -4782.408+/-697.771 χ^2/NDF: 20.9/21



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2193.251+/-0.914 χ^2/NDF:132.3/3

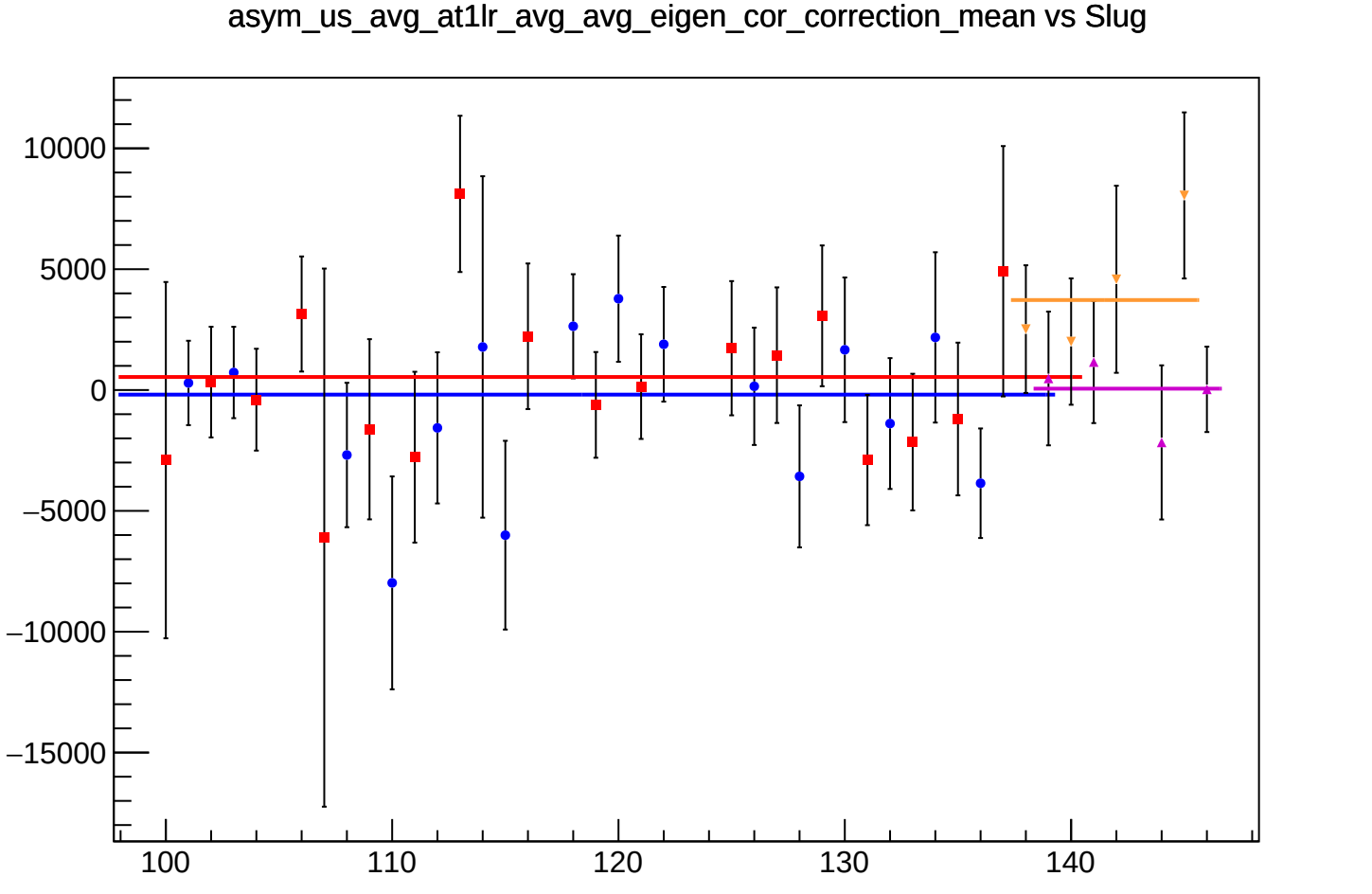
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

+ sign 2275.660+/-0.512 χ^2/NDF: 524350.7/19

All: 2277.889+/-0.355 χ^2/NDF: 694852.7/41

- sign 2279.955+/-0.493 χ^2/NDF: 170465.6/21



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 3724.088+/-1505.586 χ^2/NDF:2.3/3

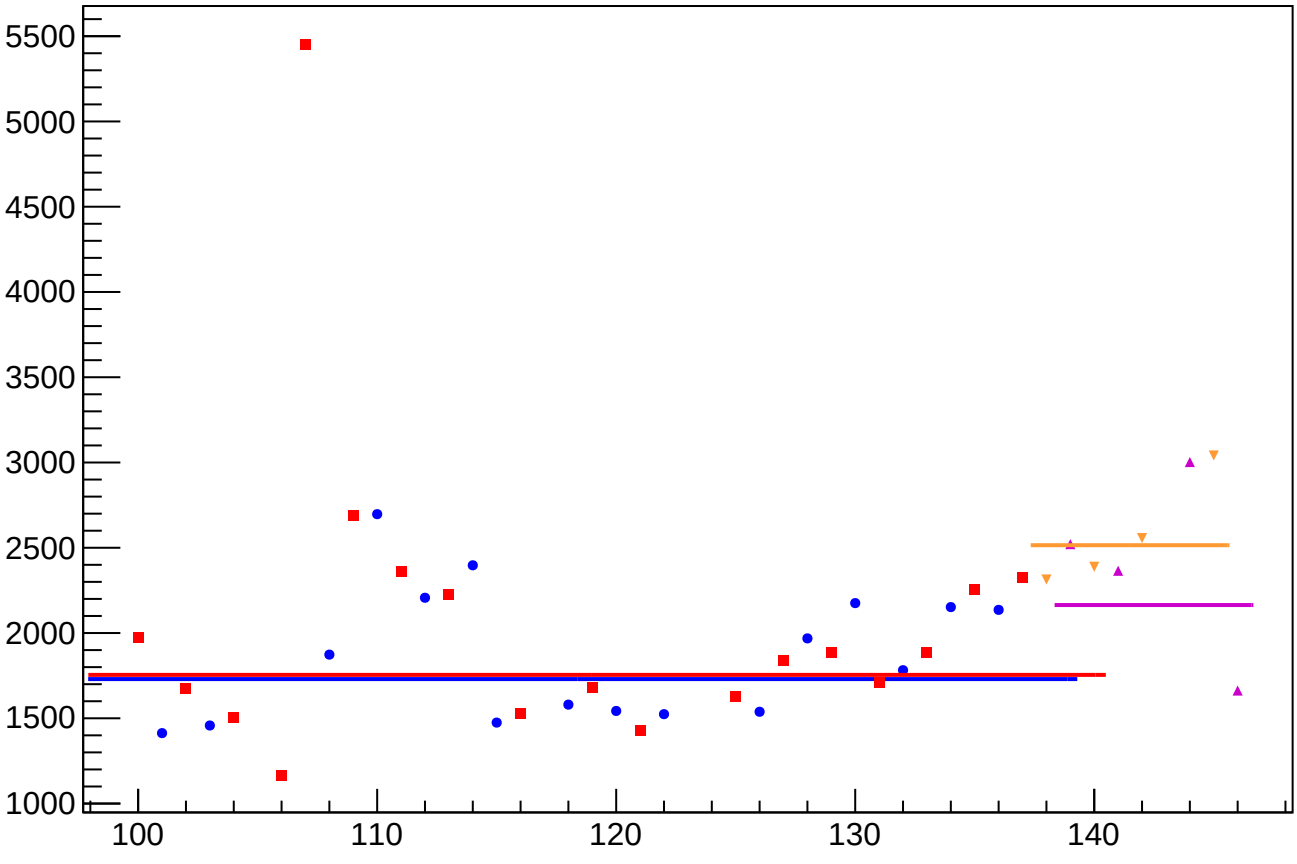
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 56.596+/-1190.258 χ^2/NDF:0.7/3

\+ sign 438.237+/-603.091 χ^2/NDF: 24.4/19

All: 429.497+/-421.477 χ^2/NDF: 39.1/41

\- sign 421.153+/-589.267 χ^2/NDF: 14.7/21



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2514.994+/-1.065 χ^2/NDF:63406.0/3

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

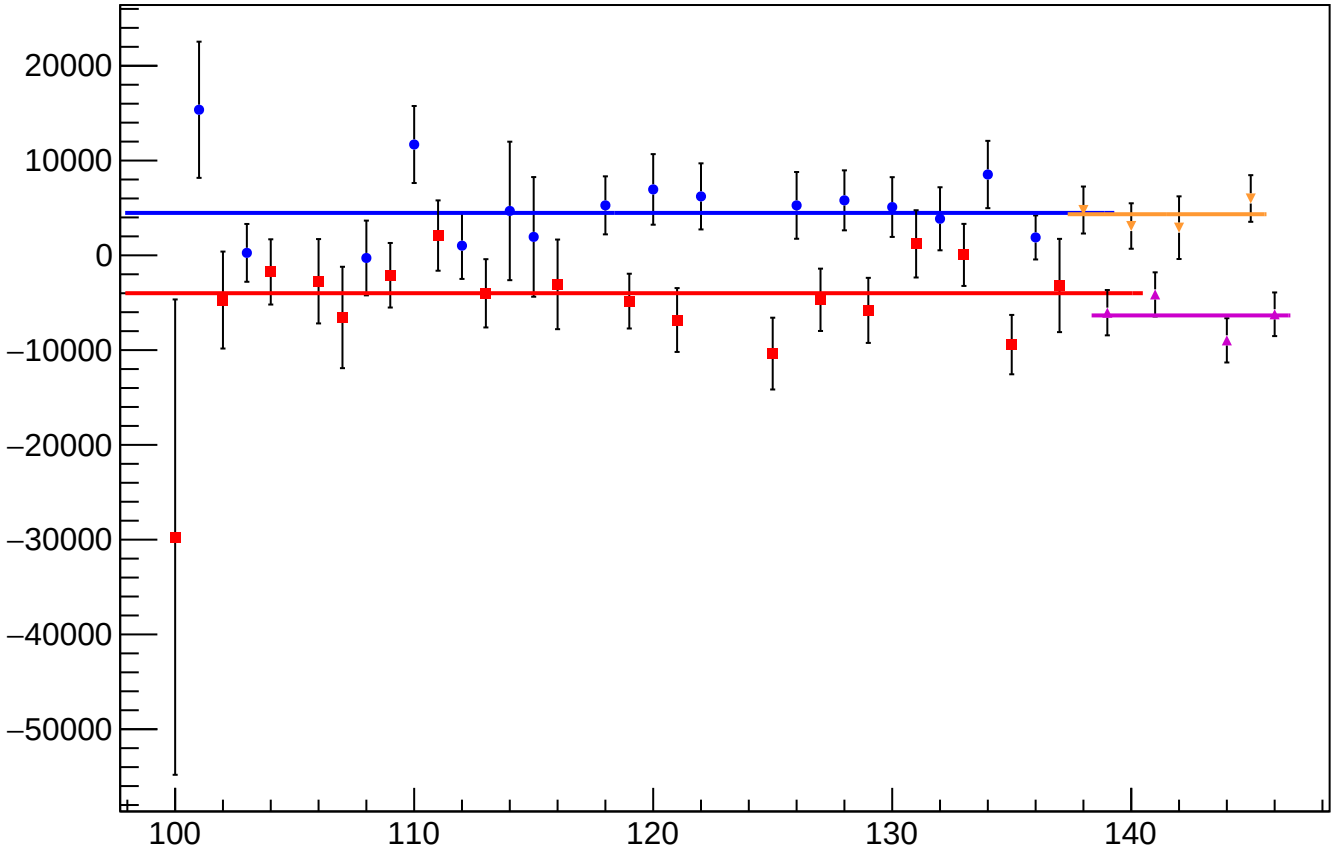
Left In: 2164.128+/-0.842 χ^2/NDF:345280.0/3

+ sign 1855.871+/-0.426 χ^2/NDF: 999874.7/19

All: 1855.384+/-0.298 χ^2/NDF: 2274964.7/41

- sign 1854.919+/-0.417 χ^2/NDF: 1275087.5/21

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4337.589+/-1298.581 χ^2/NDF:0.9/3

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

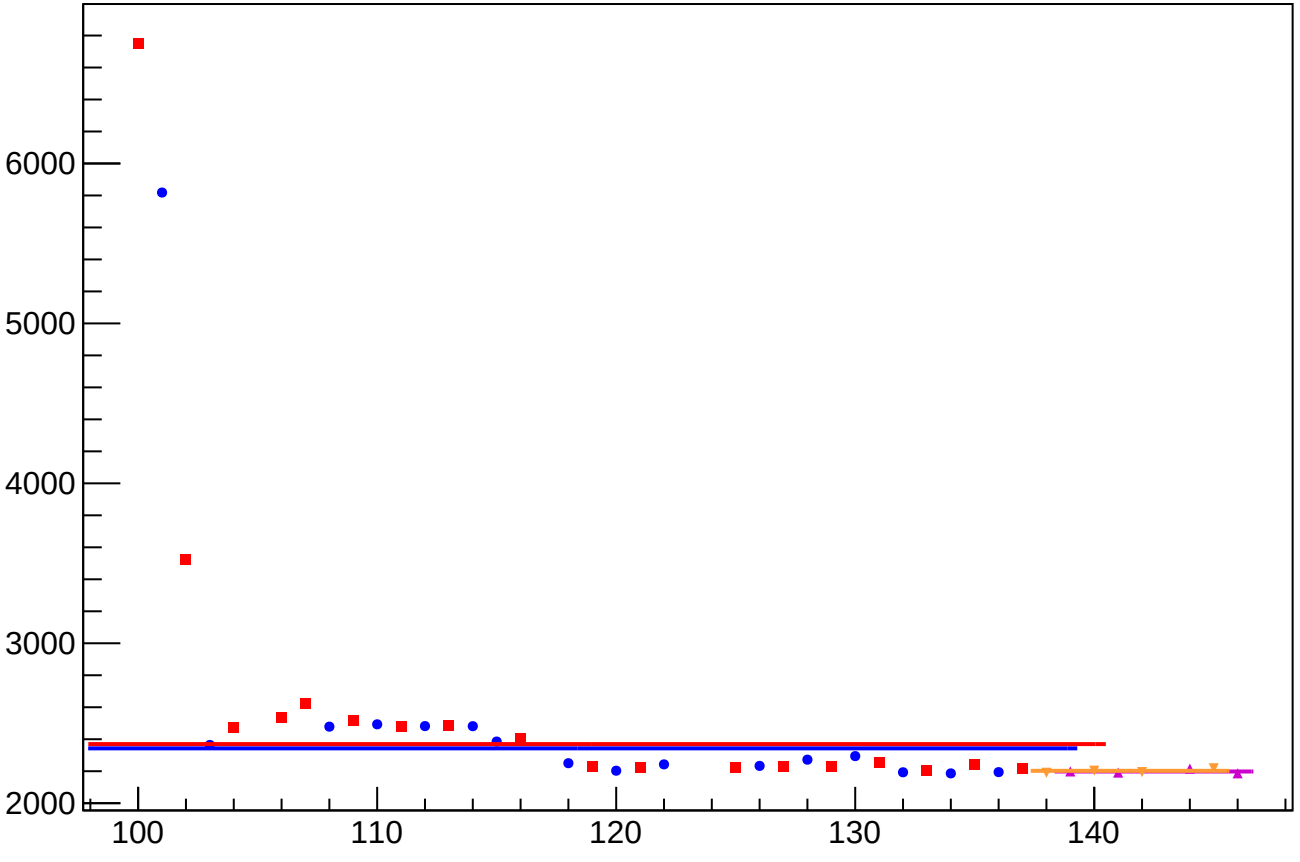
Left In: -6340.903+/-1169.484 χ^2/NDF:2.2/3

+ sign 4432.323+/-731.928 χ^2/NDF: 14.5/19

All: -363.349+/-509.051 χ^2/NDF: 117.9/41

- sign -4856.406+/-708.459 χ^2/NDF: 20.2/21

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2202.423+/-0.918 χ^2/NDF:143.9/3

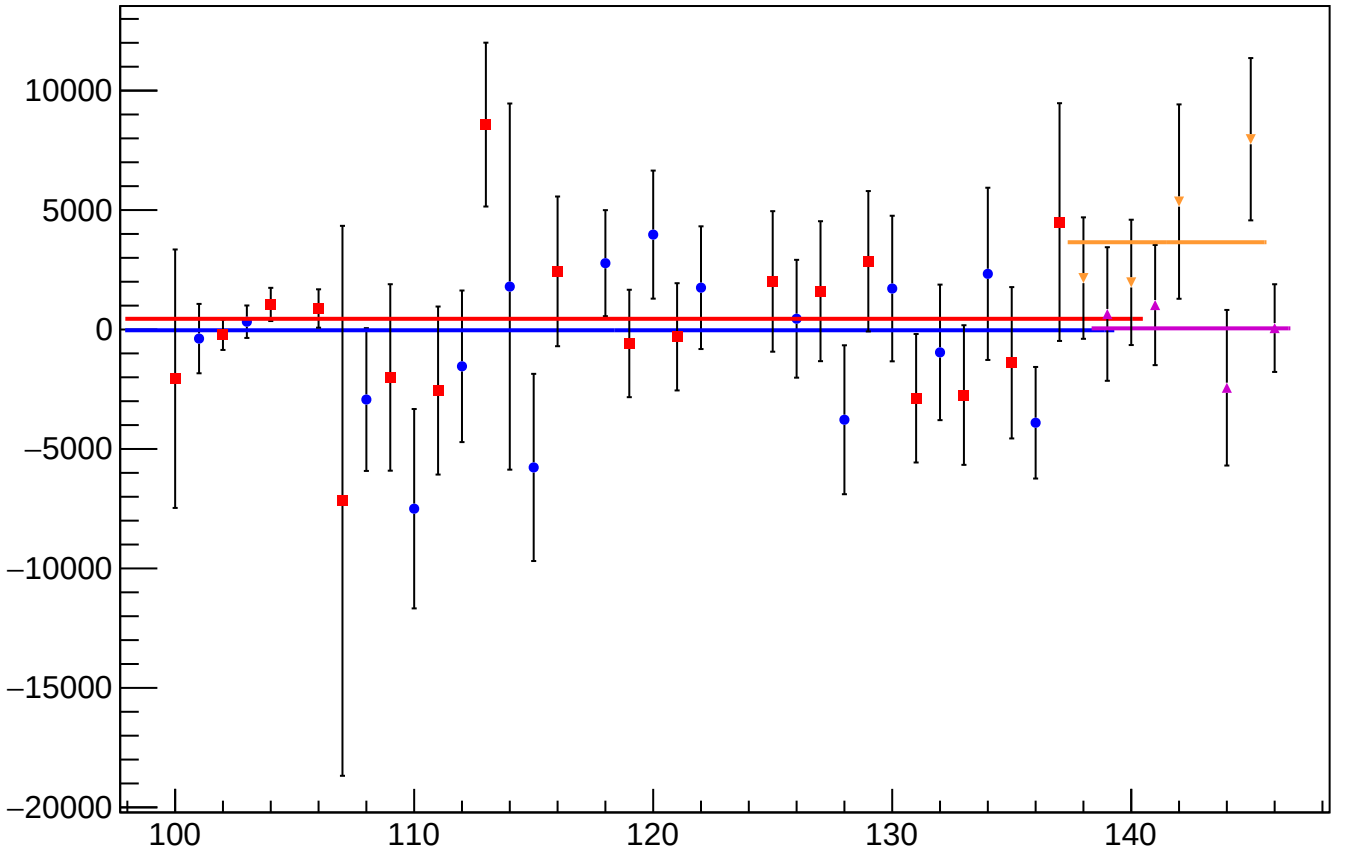
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2198.223+/-0.827 χ^2/NDF:184.8/3

+ sign 2298.282+/-0.518 χ^2/NDF: 518982.6/19

All: 2302.623+/-0.360 χ^2/NDF: 756629.9/41

- sign 2306.691+/-0.501 χ^2/NDF: 237511.0/21



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 3653.242+/-1495.332 χ^2/NDF:2.5/3

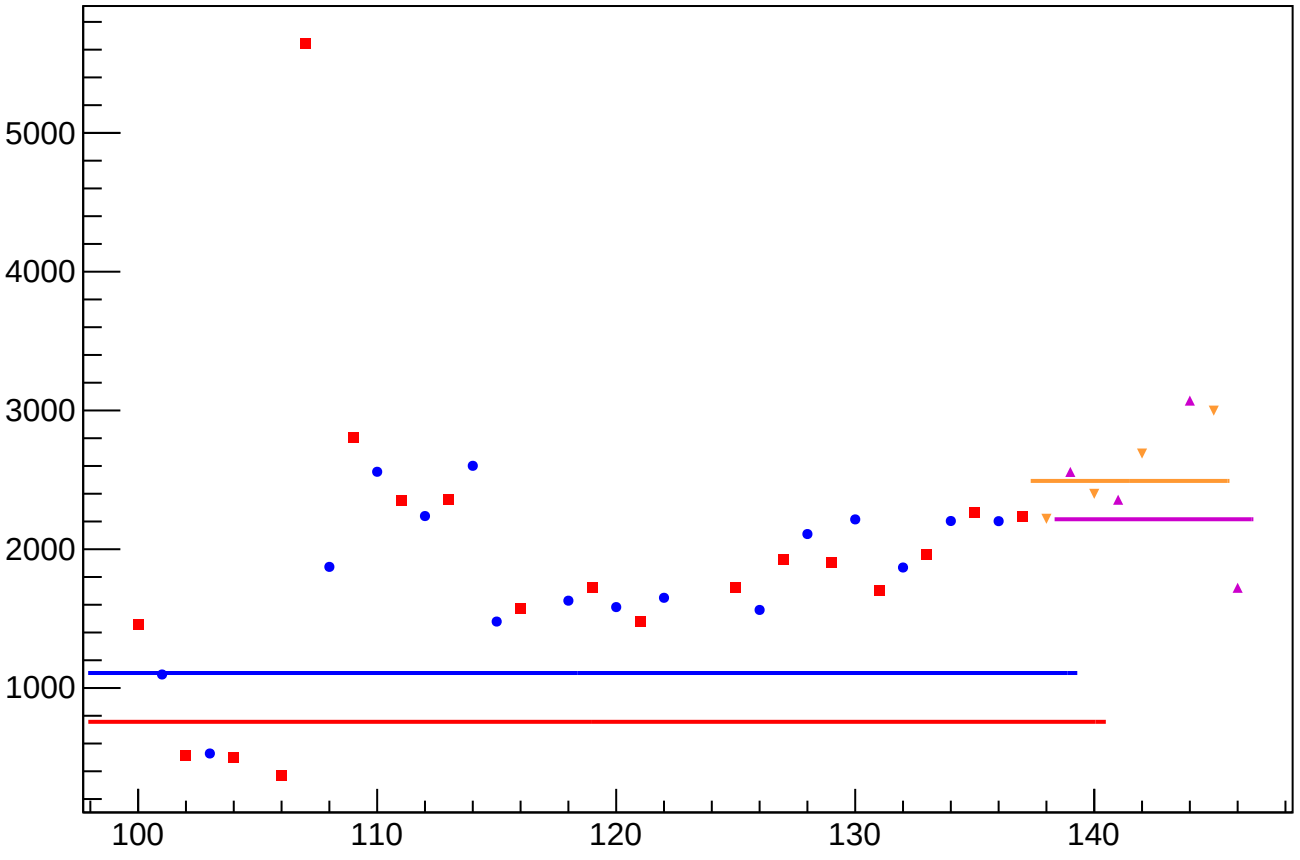
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 48.558+/-1215.162 χ^2/NDF:0.8/3

\+ sign 319.759+/-461.623 χ^2/NDF: 24.4/19

All: 380.933+/-277.596 χ^2/NDF: 40.4/41

\- sign 415.586+/-347.435 χ^2/NDF: 16.0/21



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2492.320+/-1.057 χ^2/NDF:74705.3/3

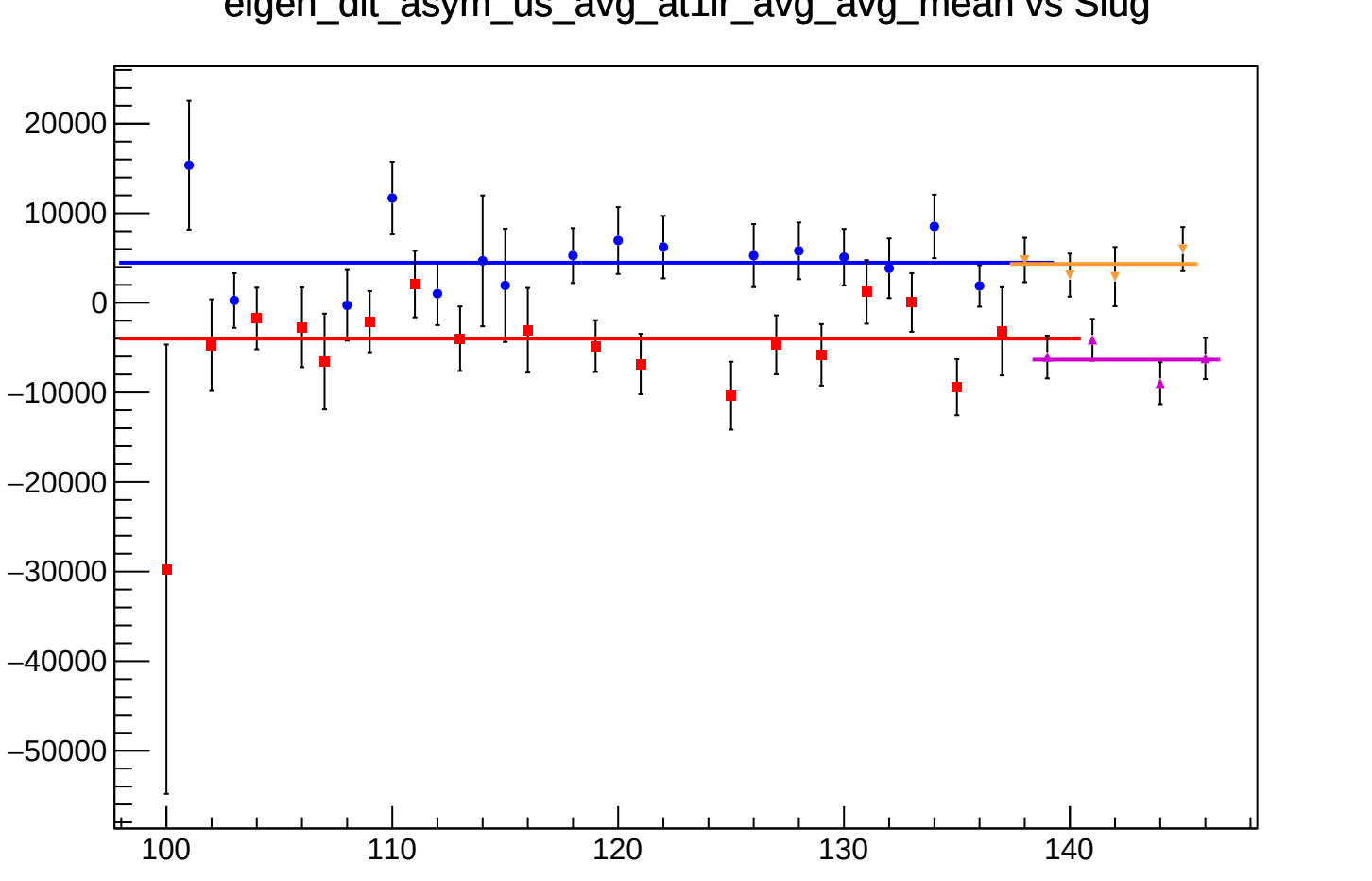
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2216.058+/-0.859 χ^2/NDF:318684.0/3

+ sign 1240.054+/-0.326 χ^2/NDF: 5371584.9/19

All: 1007.484+/-0.196 χ^2/NDF: 14738503.6/4

- sign 875.742+/-0.246 χ^2/NDF: 8571707.3/21



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4337.600+/-1298.580 χ^2/NDF:0.9/3

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

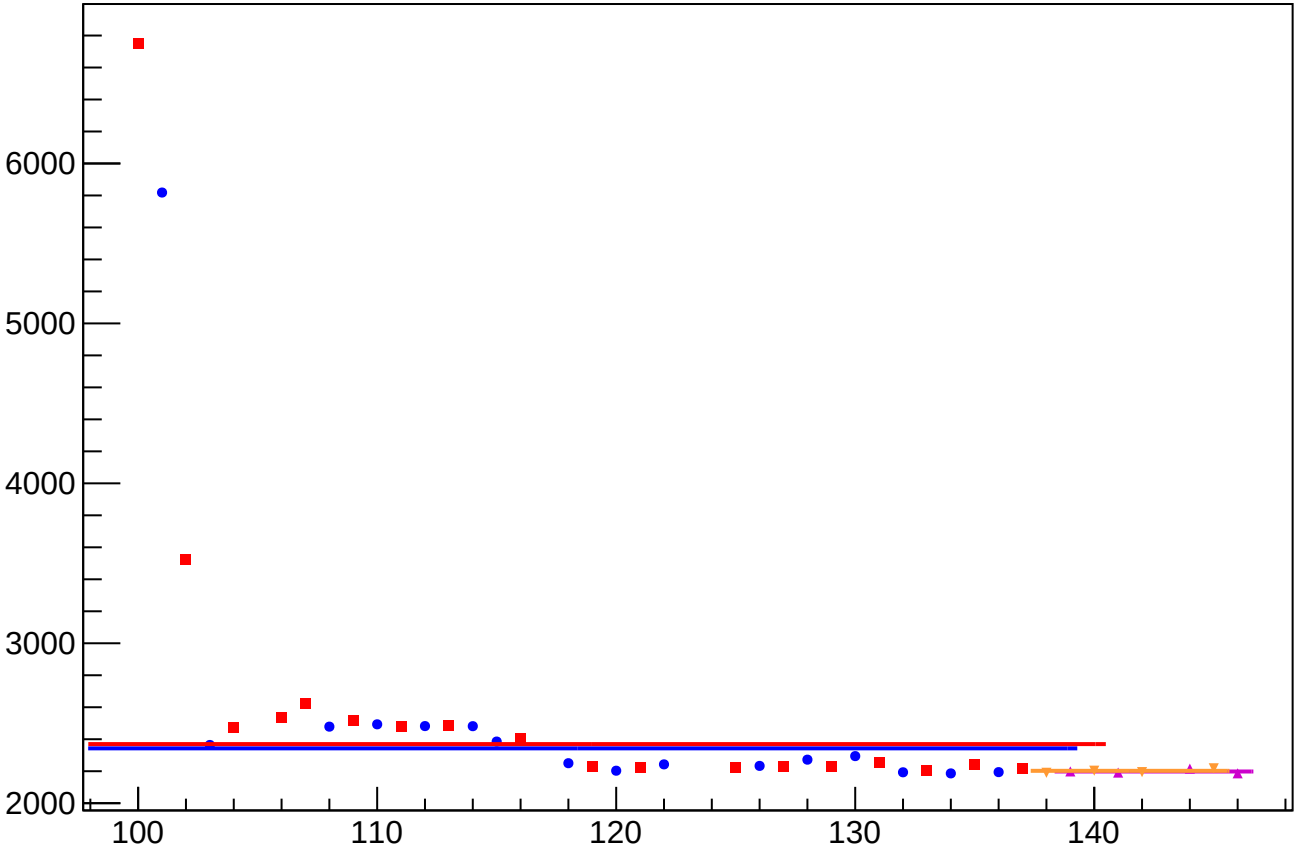
Left In: -6340.902+/-1169.484 χ^2/NDF:2.2/3

+ sign 4432.323+/-731.928 χ^2/NDF: 14.5/19

All: -363.347+/-509.051 χ^2/NDF: 117.9/41

- sign -4856.403+/-708.459 χ^2/NDF: 20.2/21

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: 2202.423+/-0.918 χ^2/NDF:143.9/3

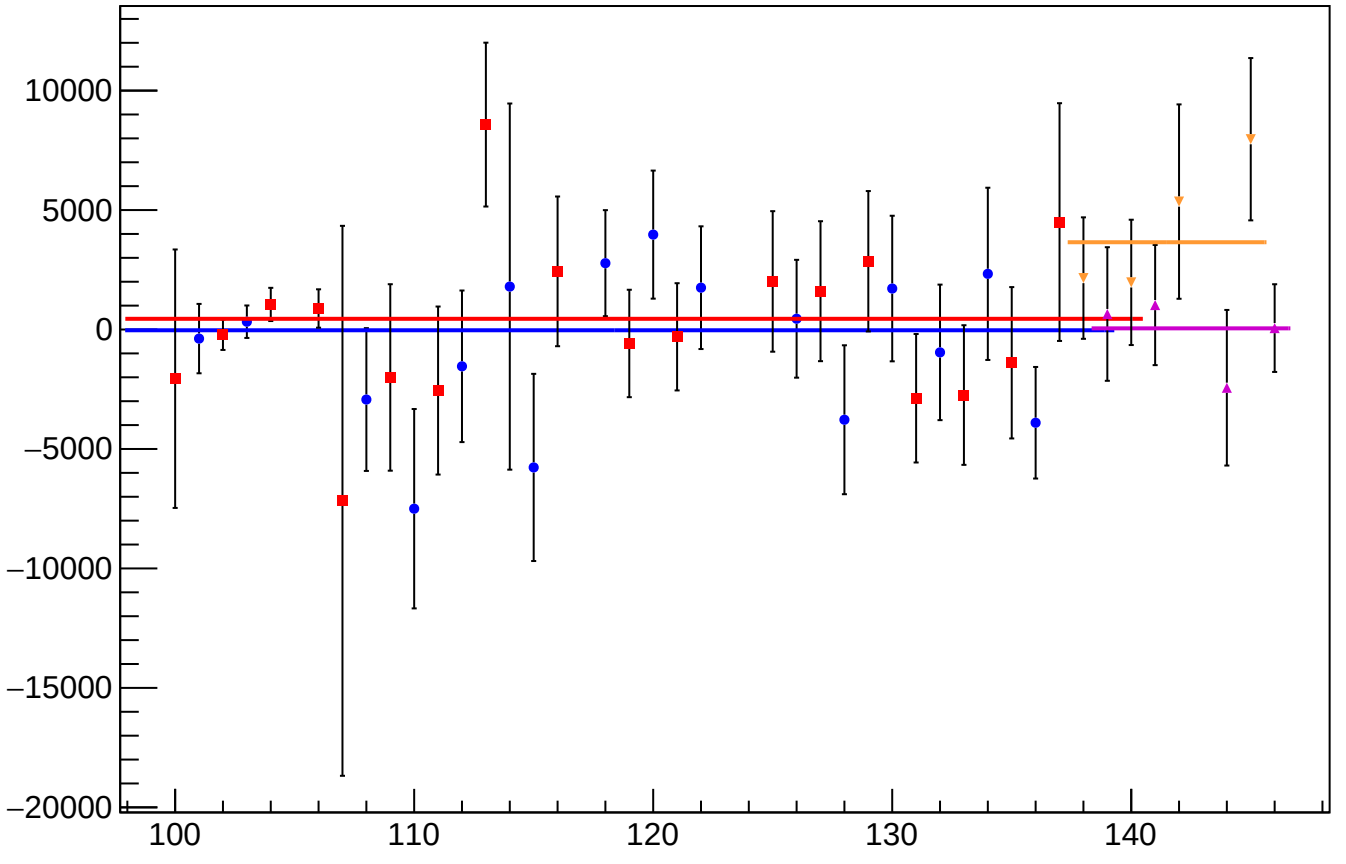
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2198.223+/-0.827 χ^2/NDF:184.8/3

+ sign 2298.282+/-0.518 χ^2/NDF: 518982.6/19

All: 2302.623+/-0.360 χ^2/NDF: 756628.6/41

- sign 2306.691+/-0.501 χ^2/NDF: 237509.7/21



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 3653.249+/-1495.335 χ^2/NDF:2.5/3

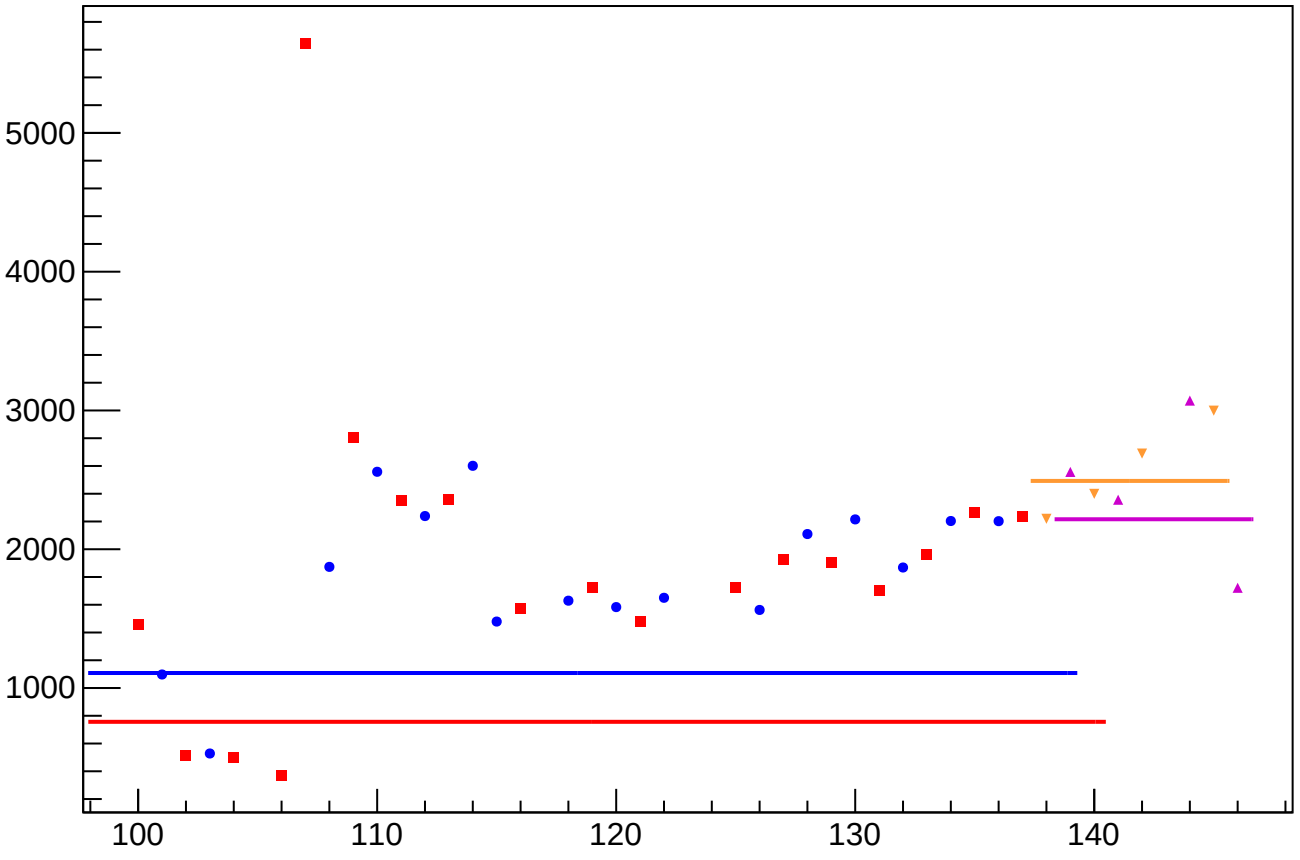
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 48.560+/-1215.164 χ^2/NDF:0.8/3

+ sign 319.756+/-461.626 χ^2/NDF: 24.4/19

All: 380.933+/-277.599 χ^2/NDF: 40.4/41

- sign 415.589+/-347.439 χ^2/NDF: 16.0/21



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2492.325+/-1.057 χ^2/NDF:74705.6/3

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

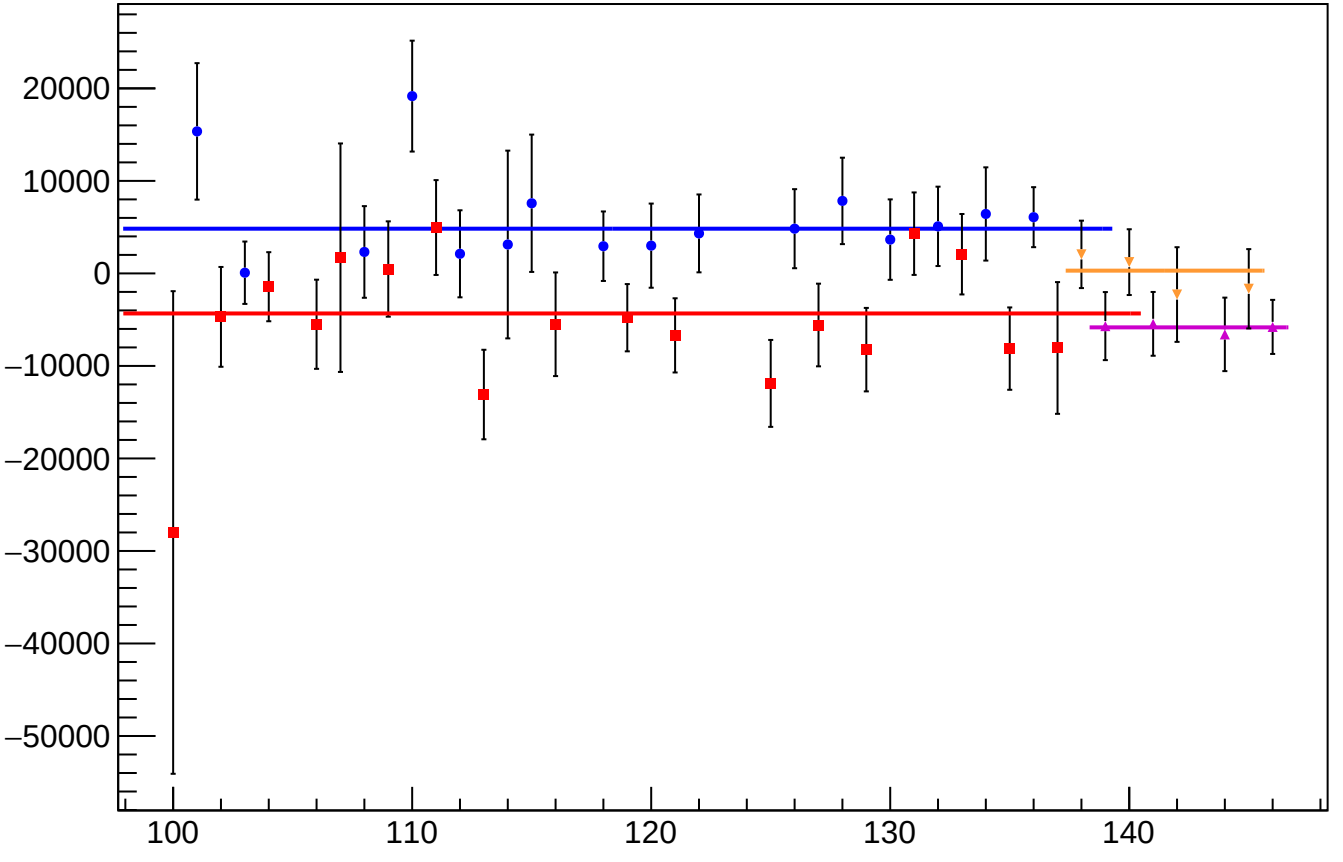
Left In: 2216.062+/-0.859 χ^2/NDF:318684.3/3

+ sign 1240.064+/-0.326 χ^2/NDF: 5371491.1/19

All: 1007.499+/-0.196 χ^2/NDF: 14738196.2/4

- sign 875.758+/-0.246 χ^2/NDF: 8571534.2/21

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 298.892+/-2011.875 χ^2/NDF:0.8/3

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

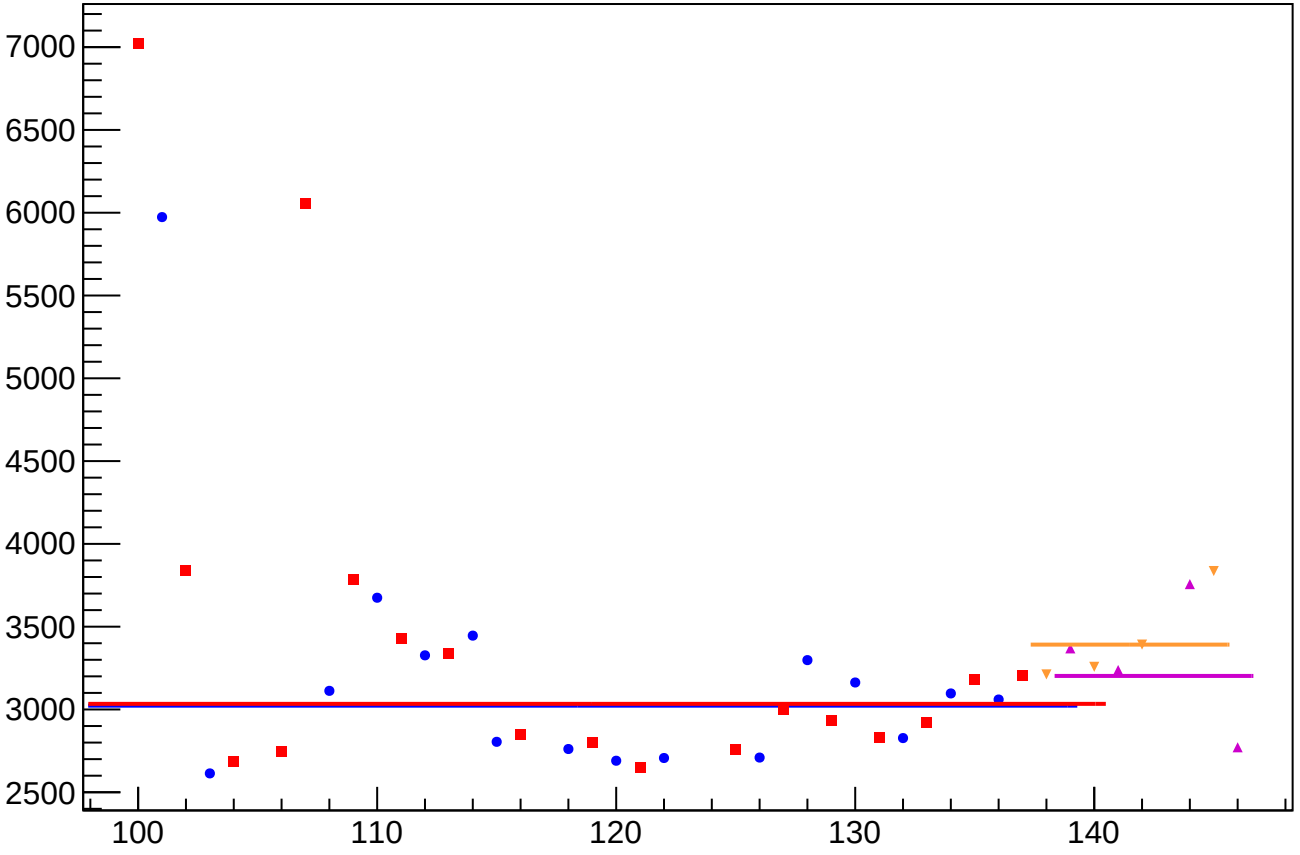
Left In: -5832.040+/-1718.672 χ^2/NDF:0.1/3

+ sign 3727.925+/-993.506 χ^2/NDF: 16.3/19

All: -710.117+/-687.609 χ^2/NDF: 75.1/41

- sign -4790.504+/-952.633 χ^2/NDF: 20.5/21

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3391.695+/-1.423 χ^2/NDF:29194.0/3

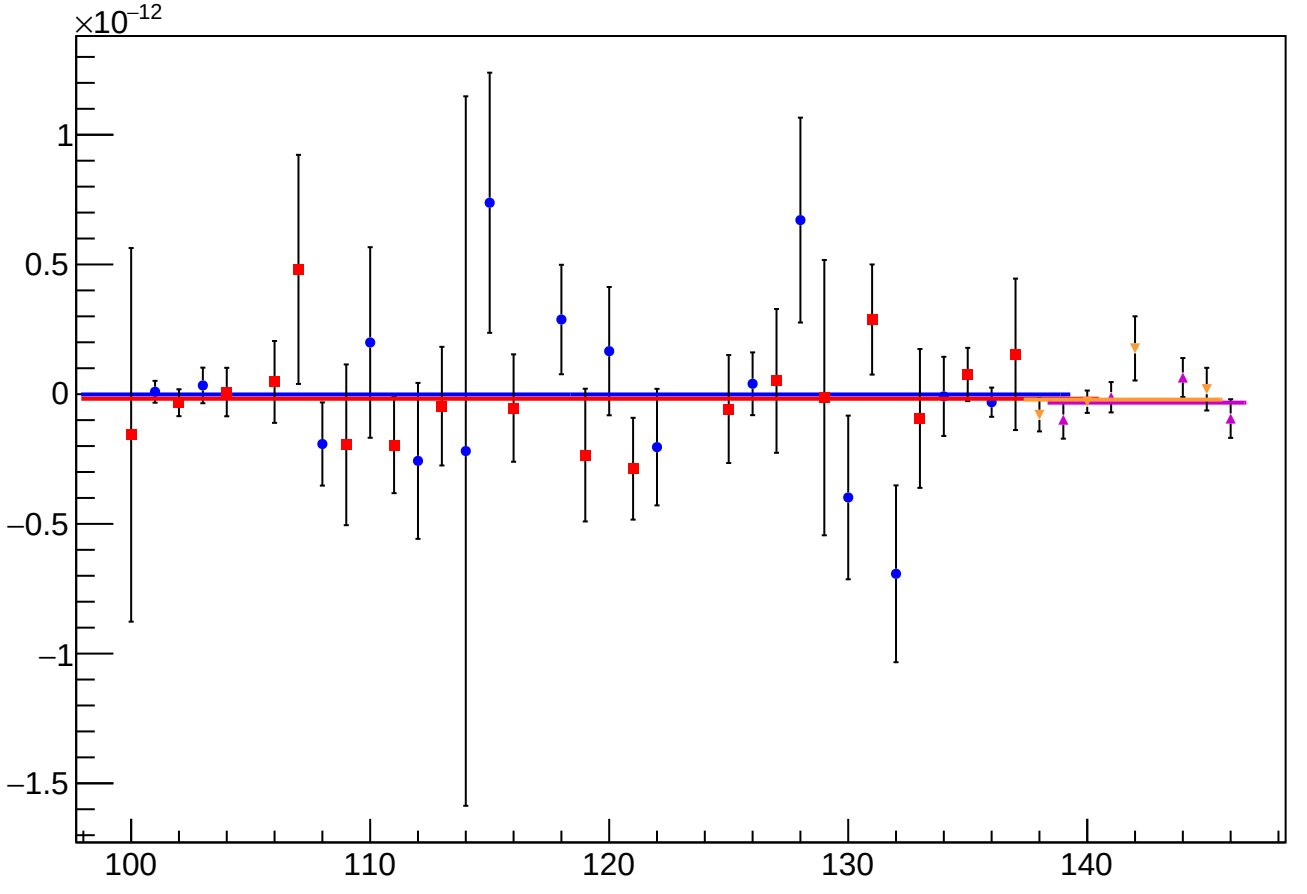
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3202.531+/-1.215 χ^2/NDF:86776.8/3

+ sign 3112.962+/-0.703 χ^2/NDF: 523669.5/19

All: 3098.751+/-0.486 χ^2/NDF: 967249.7/41

- sign 3085.687+/-0.674 χ^2/NDF: 442794.9/21



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.7/3

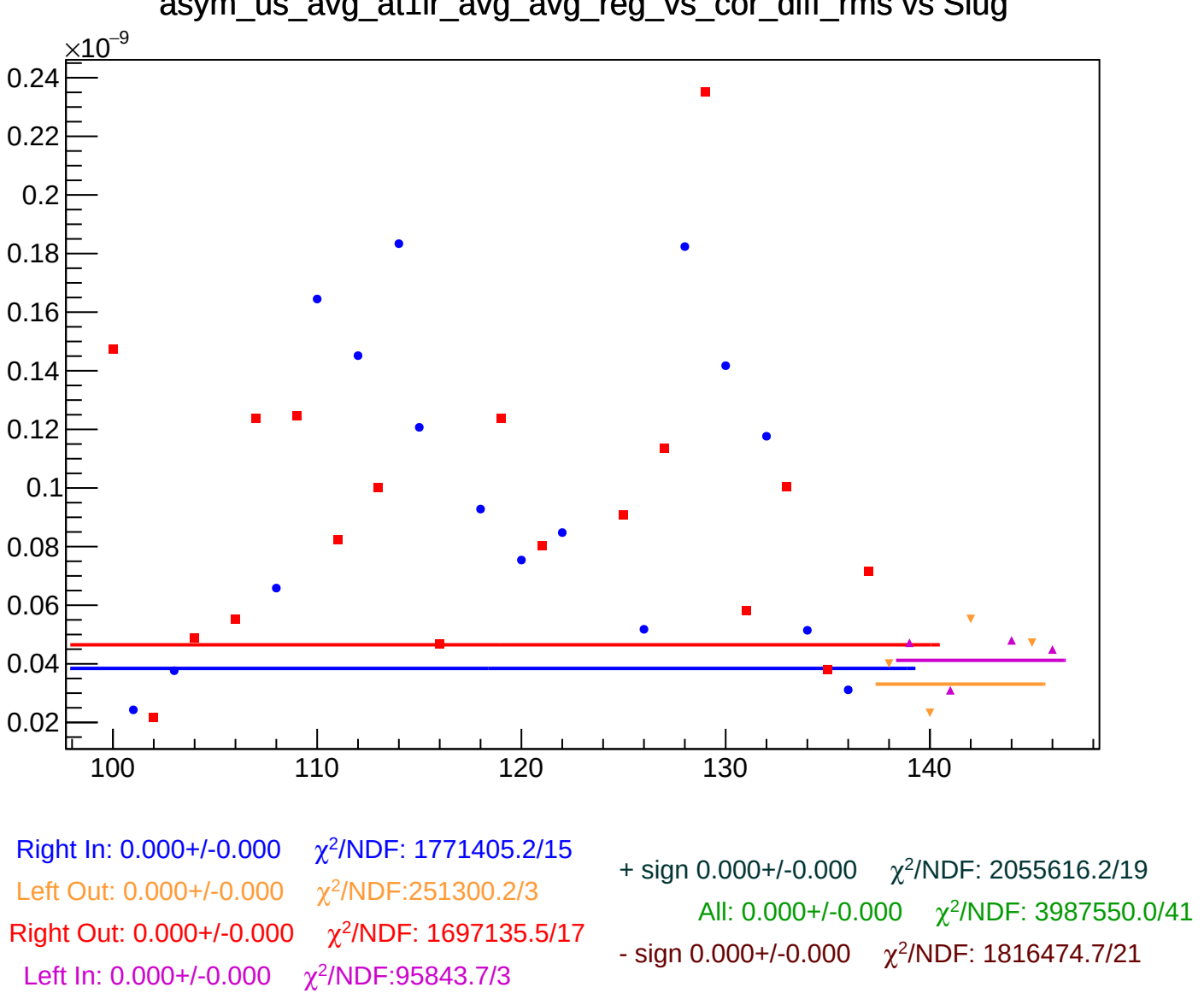
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

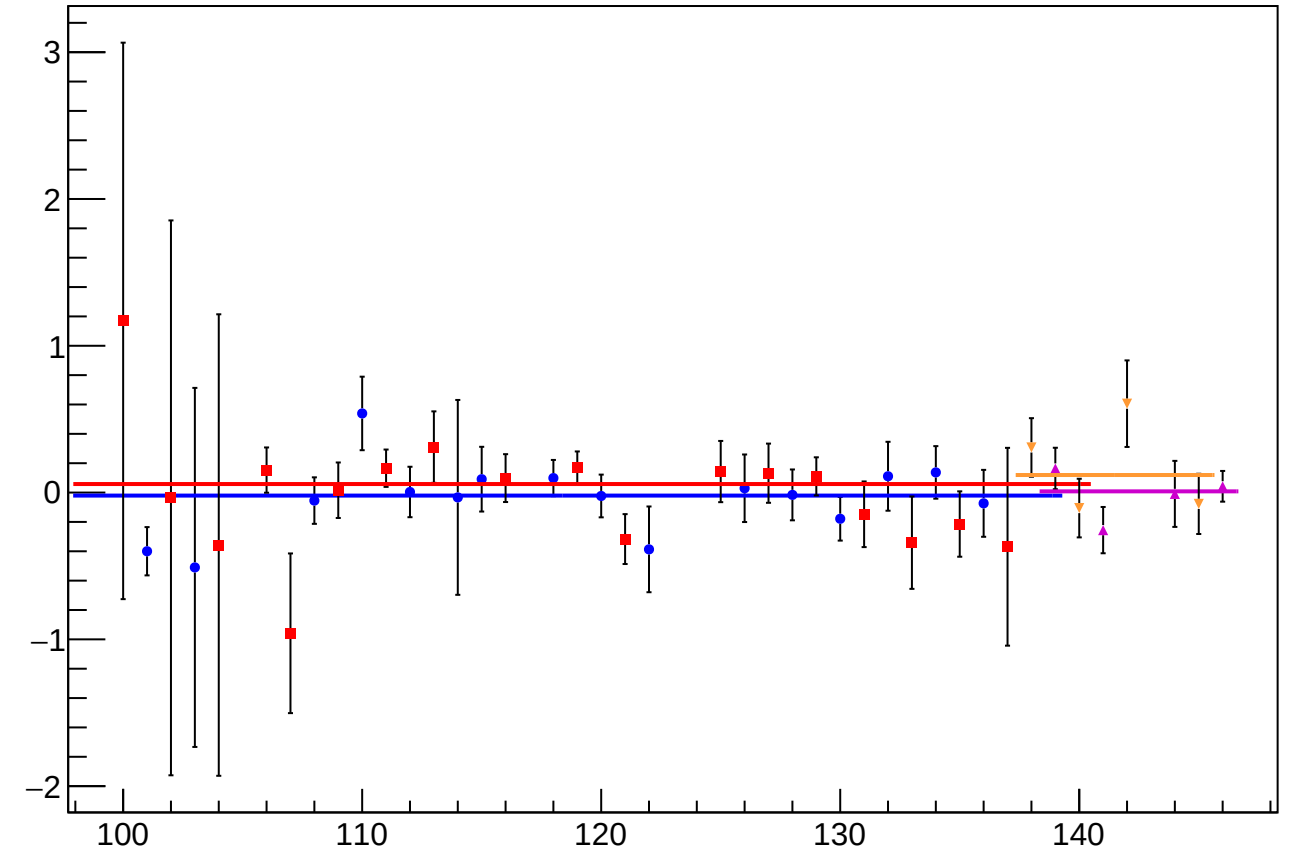
Left In: -0.000+/-0.000 χ^2/NDF:3.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.0/19

All: -0.000+/-0.000 χ^2/NDF: 33.6/41

- sign -0.000+/-0.000 χ^2/NDF: 12.3/21


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:251300.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:95843.7/3
+ sign 0.000+/-0.000 χ²/NDF: 2055616.2/19
All: 0.000+/-0.000 χ²/NDF: 3987550.0/41
- sign 0.000+/-0.000 χ²/NDF: 1816474.7/21



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.120+/-0.108 χ^2/NDF:5.8/3

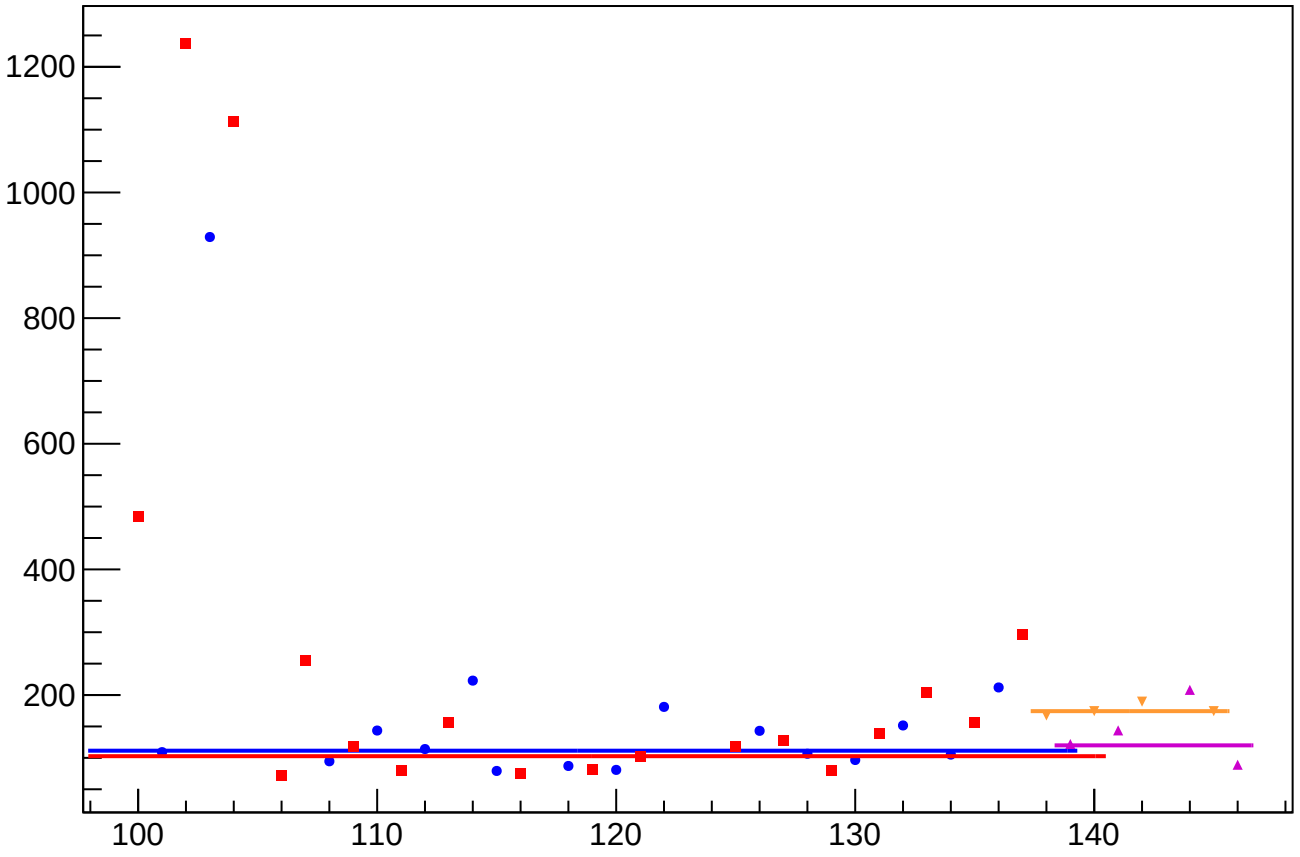
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.008+/-0.070 χ^2/NDF:4.1/3

+ sign 0.002+/-0.044 χ^2/NDF: 22.8/19

All: 0.025+/-0.029 χ^2/NDF: 44.6/41

- sign 0.043+/-0.039 χ^2/NDF: 21.3/21



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 174.367+/-0.076 χ^2/NDF:7643.1/3

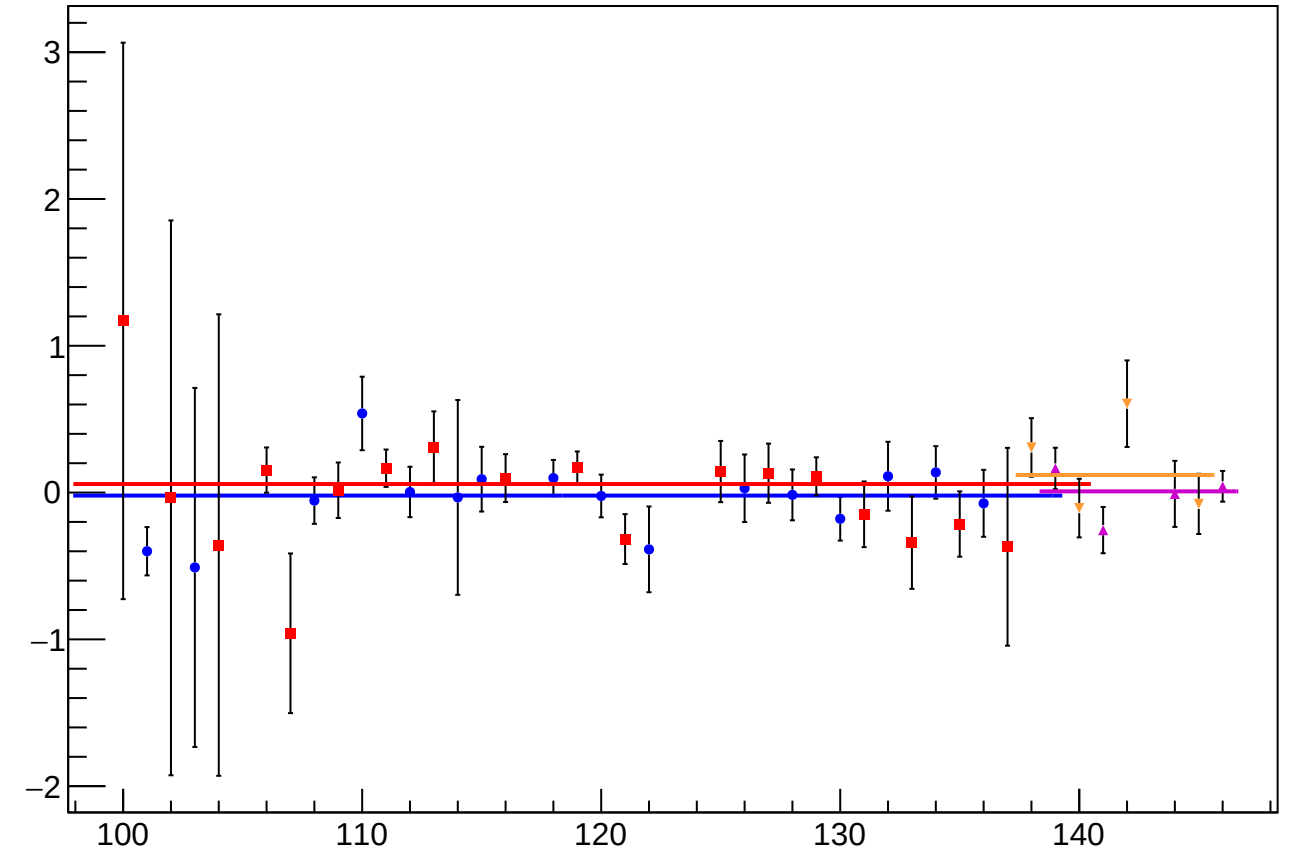
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 119.911+/-0.050 χ^2/NDF:528154.3/3

+ sign 121.631+/-0.031 χ^2/NDF: 2414568.2/19

All: 113.955+/-0.020 χ^2/NDF: 5964117.9/41

- sign 107.888+/-0.027 χ^2/NDF: 3438507.1/21



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.120+/-0.108 χ^2/NDF:5.8/3

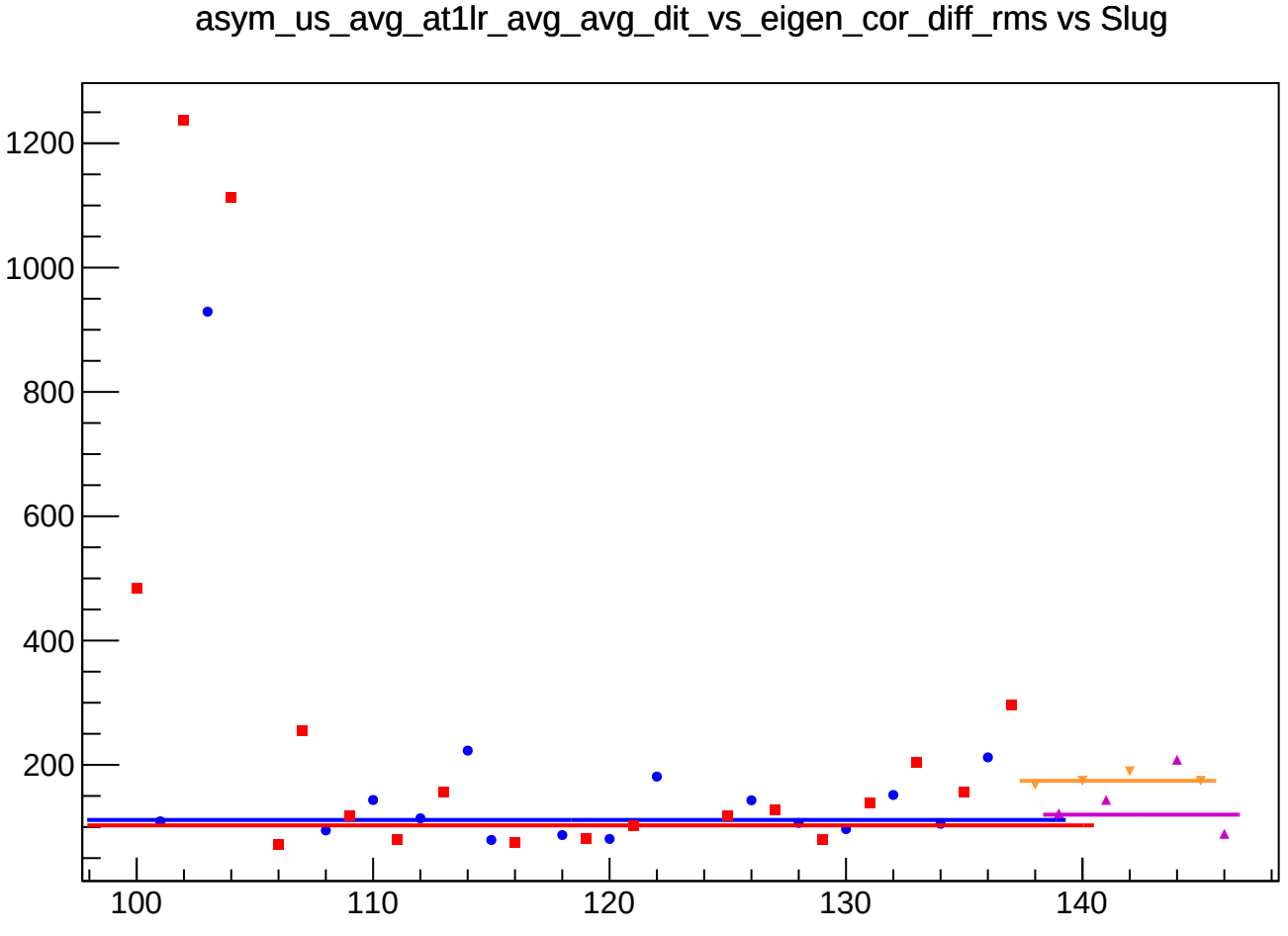
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.008+/-0.070 χ^2/NDF:4.1/3

+ sign 0.002+/-0.044 χ^2/NDF: 22.8/19

All: 0.025+/-0.029 χ^2/NDF: 44.6/41

- sign 0.043+/-0.039 χ^2/NDF: 21.3/21



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 174.367+/-0.076 χ^2/NDF:7643.1/3

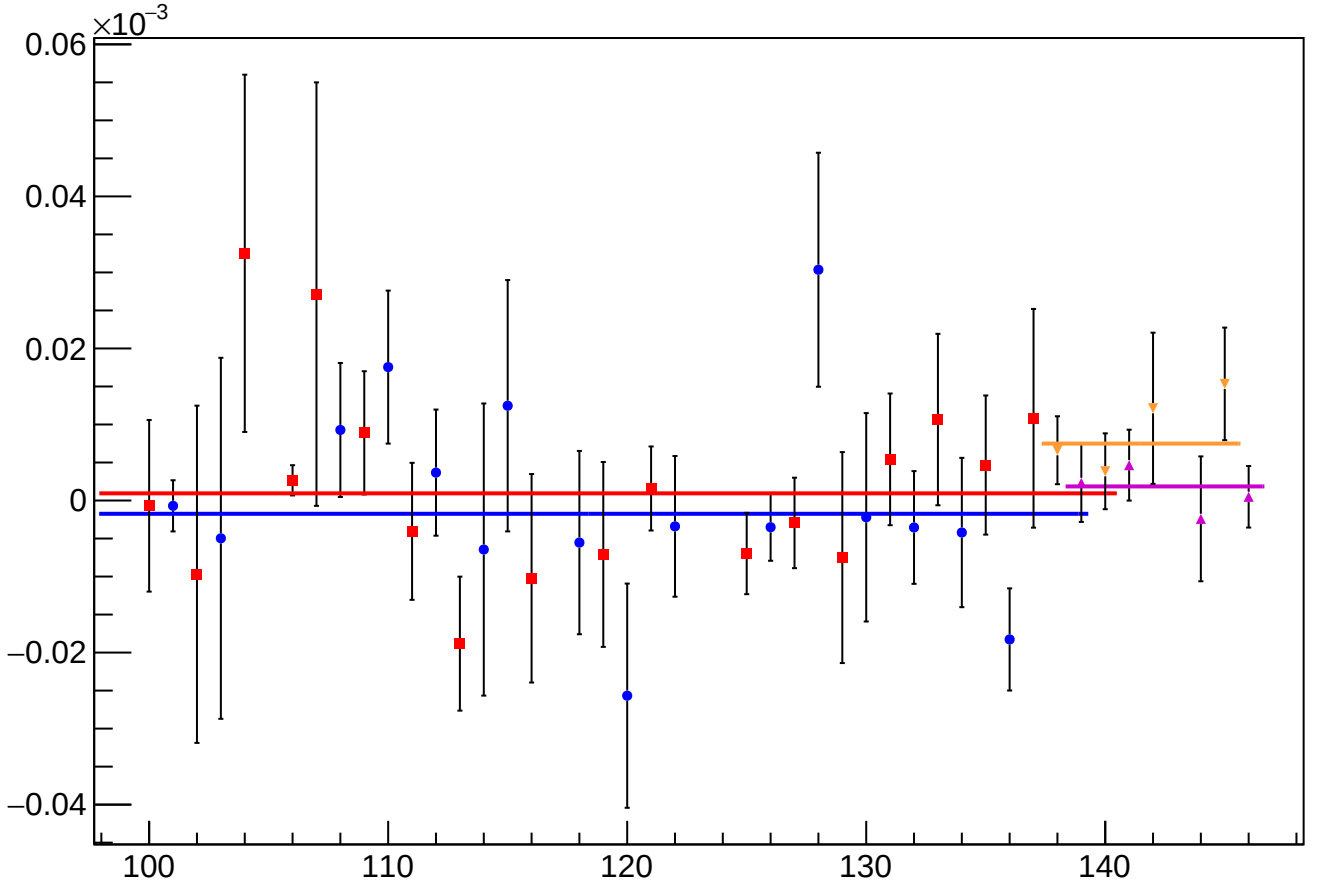
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 119.911+/-0.050 χ^2/NDF:528154.3/3

+ sign 121.631+/-0.031 χ^2/NDF: 2414568.2/19

All: 113.955+/-0.020 χ^2/NDF: 5964117.9/41

- sign 107.888+/-0.027 χ^2/NDF: 3438507.1/21



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/3

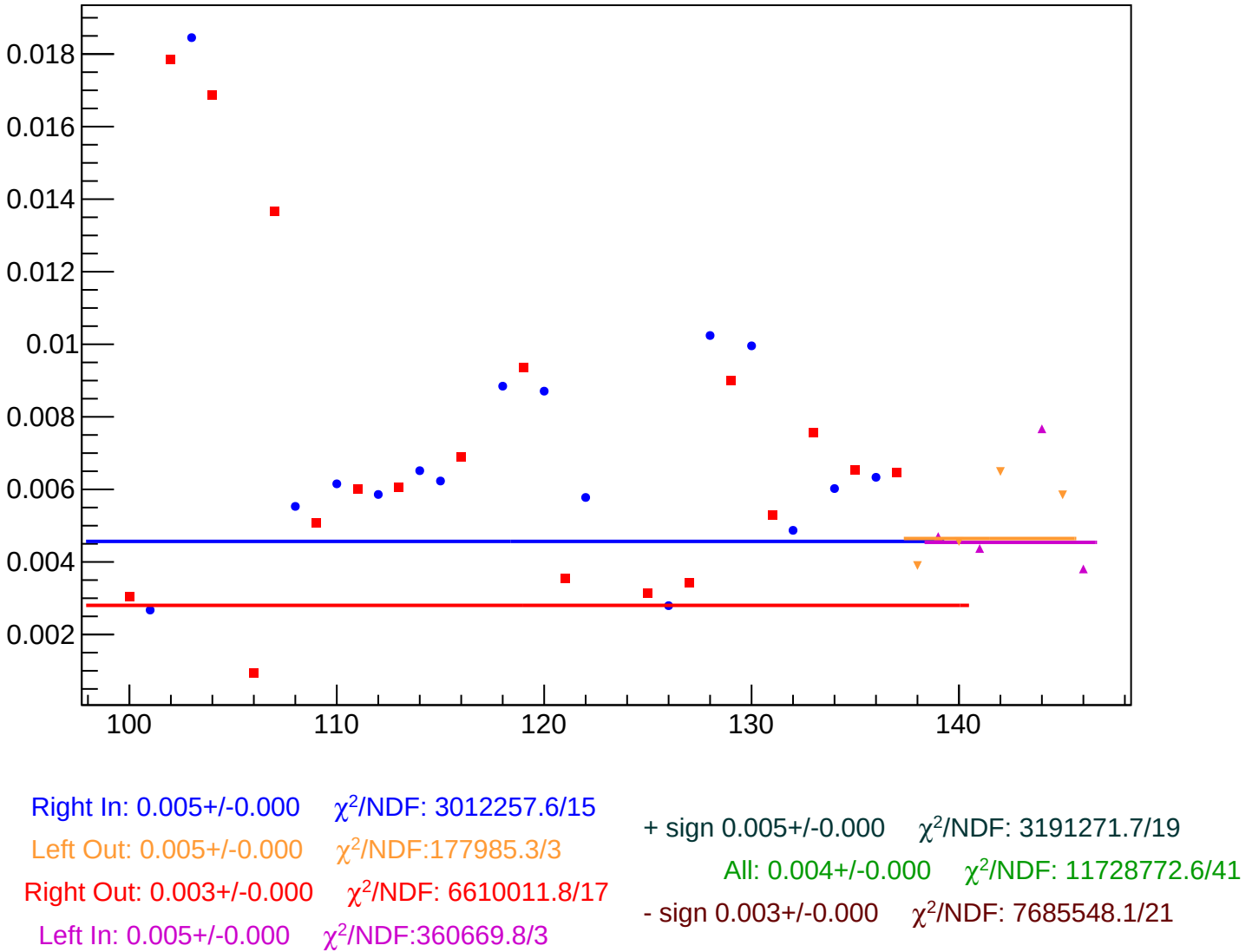
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

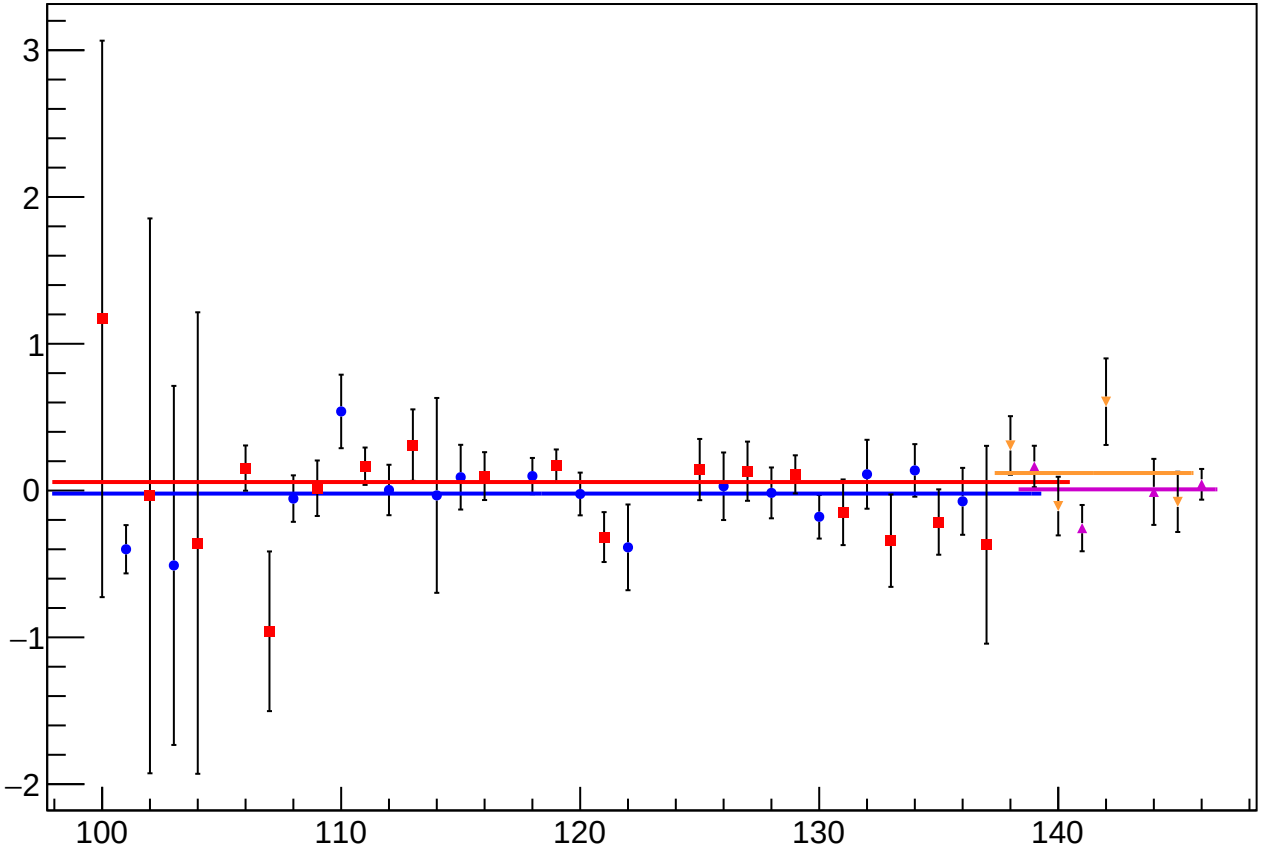
+ sign 0.000+/-0.000 χ^2/NDF: 29.0/19

All: 0.000+/-0.000 χ^2/NDF: 45.5/41

- sign 0.000+/-0.000 χ^2/NDF: 16.6/21


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
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:177985.3/3
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.005+/-0.000 χ²/NDF:360669.8/3
+ sign 0.005+/-0.000 χ²/NDF: 3191271.7/19
All: 0.004+/-0.000 χ²/NDF: 11728772.6/41
- sign 0.003+/-0.000 χ²/NDF: 7685548.1/21

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.120+/-0.108 χ^2/NDF:5.8/3

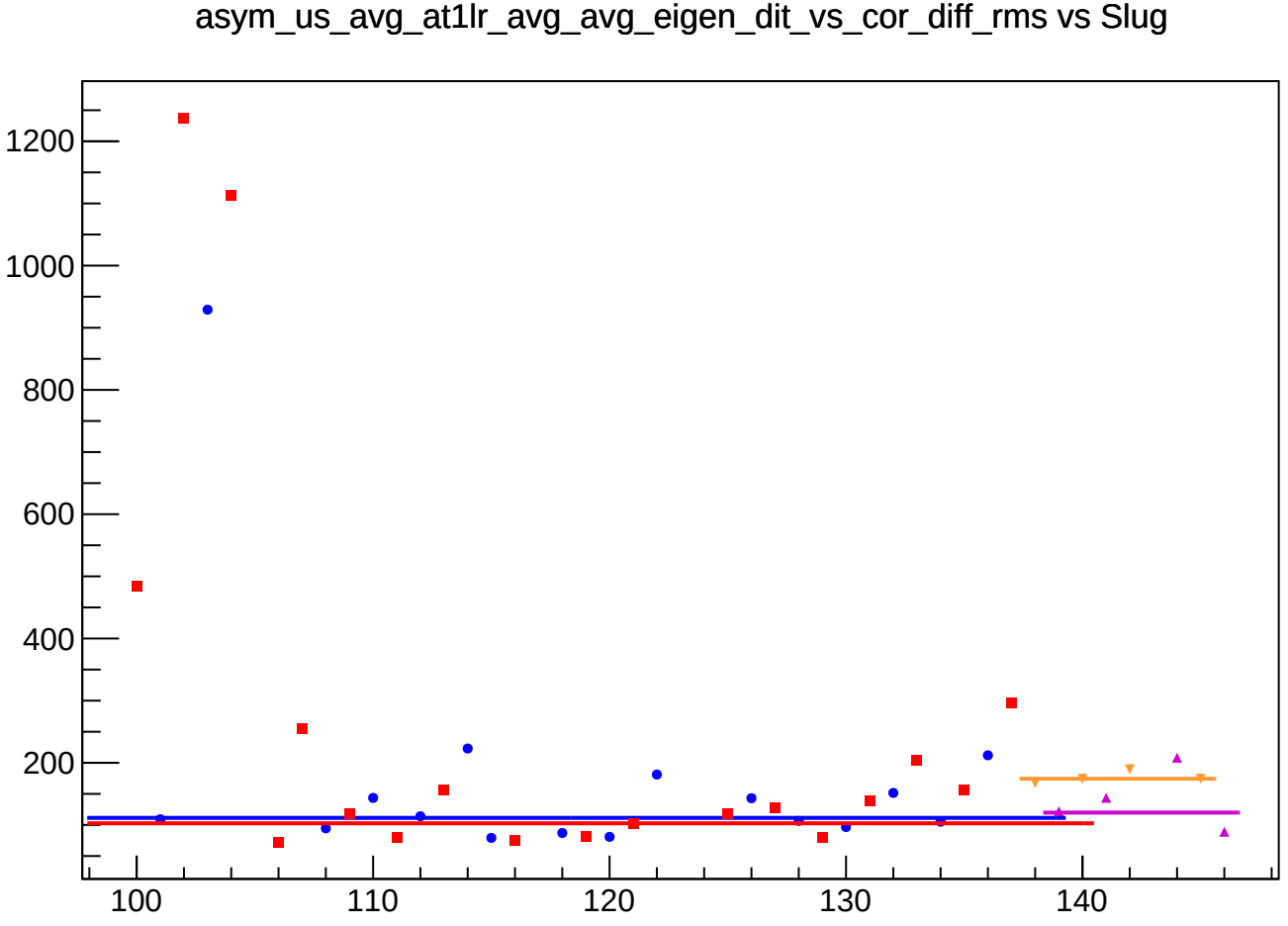
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.008+/-0.070 χ^2/NDF:4.1/3

+ sign 0.002+/-0.044 χ^2/NDF: 22.8/19

All: 0.025+/-0.029 χ^2/NDF: 44.6/41

- sign 0.043+/-0.039 χ^2/NDF: 21.3/21



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 174.367+/-0.076 χ^2/NDF:7644.0/3

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

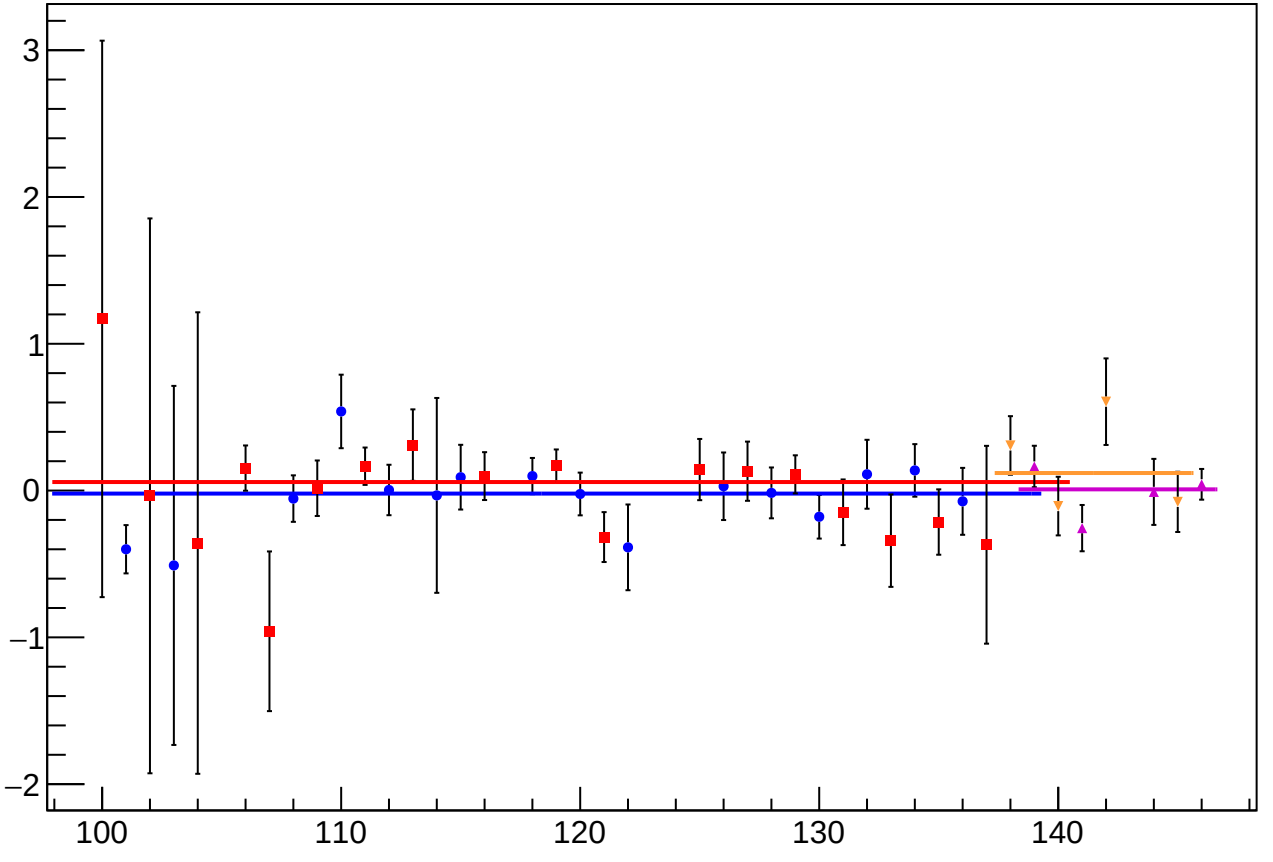
Left In: 119.912+/-0.050 χ^2/NDF:528150.9/3

+ sign 121.628+/-0.031 χ^2/NDF: 2414658.9/19

All: 113.953+/-0.020 χ^2/NDF: 5964199.1/41

- sign 107.887+/-0.027 χ^2/NDF: 3438519.4/21

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.120+/-0.108 χ^2/NDF:5.8/3

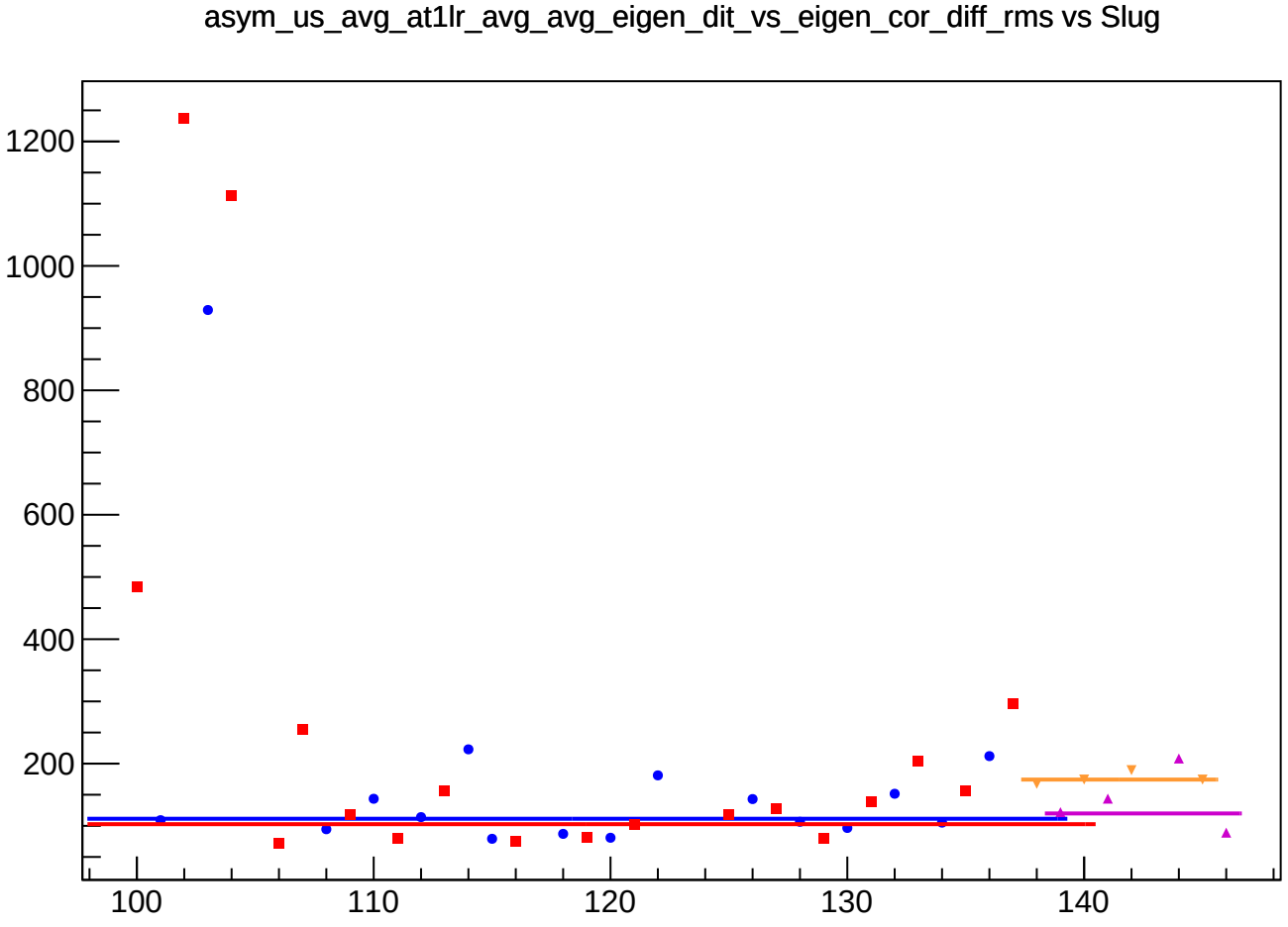
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.008+/-0.070 χ^2/NDF:4.1/3

+ sign 0.002+/-0.044 χ^2/NDF: 22.8/19

All: 0.025+/-0.029 χ^2/NDF: 44.6/41

- sign 0.043+/-0.039 χ^2/NDF: 21.3/21



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 174.367+/-0.076 χ^2/NDF:7644.0/3

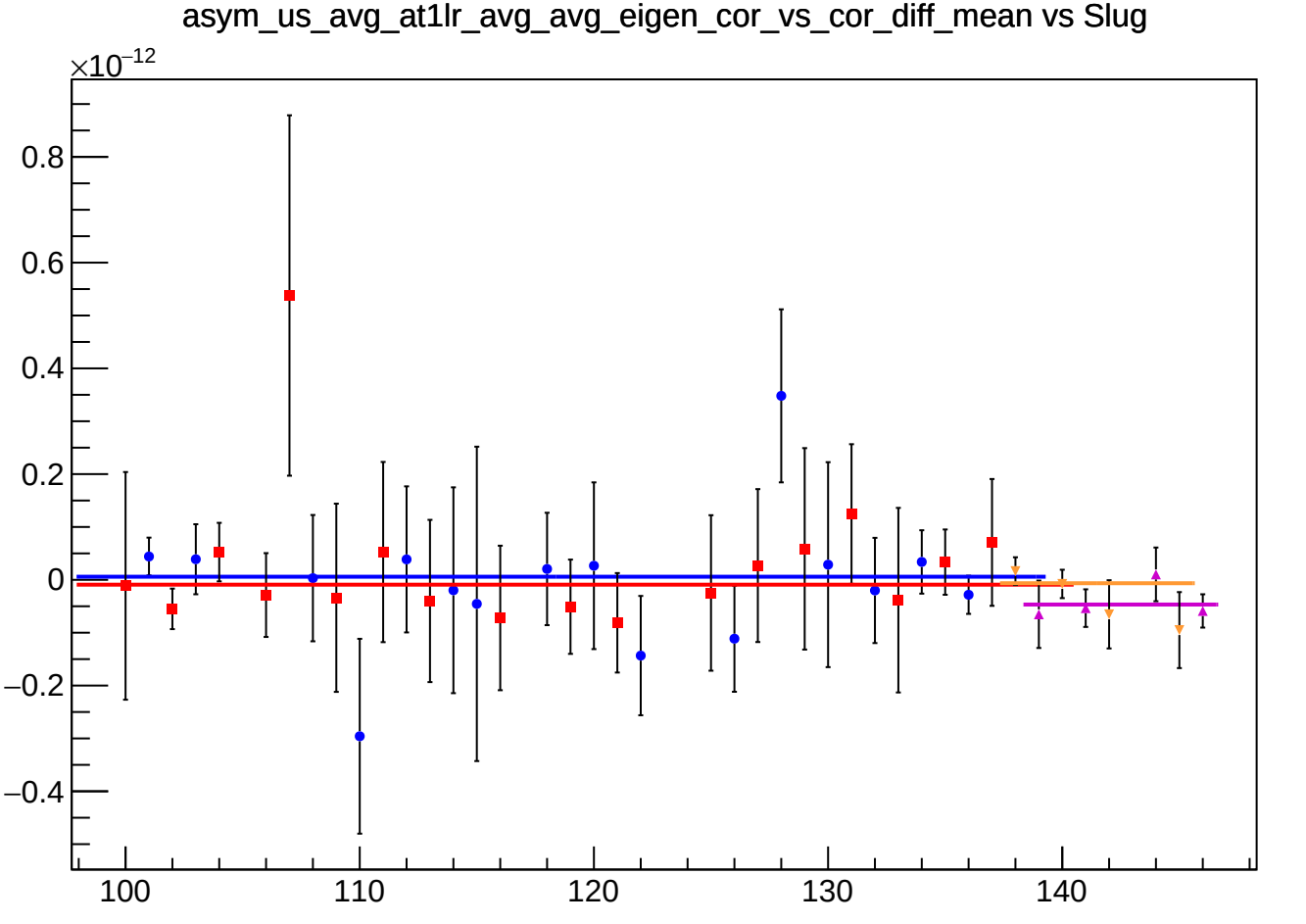
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 119.912+/-0.050 χ^2/NDF:528150.9/3

+ sign 121.628+/-0.031 χ^2/NDF: 2414658.9/19

All: 113.953+/-0.020 χ^2/NDF: 5964199.1/41

- sign 107.887+/-0.027 χ^2/NDF: 3438519.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/3

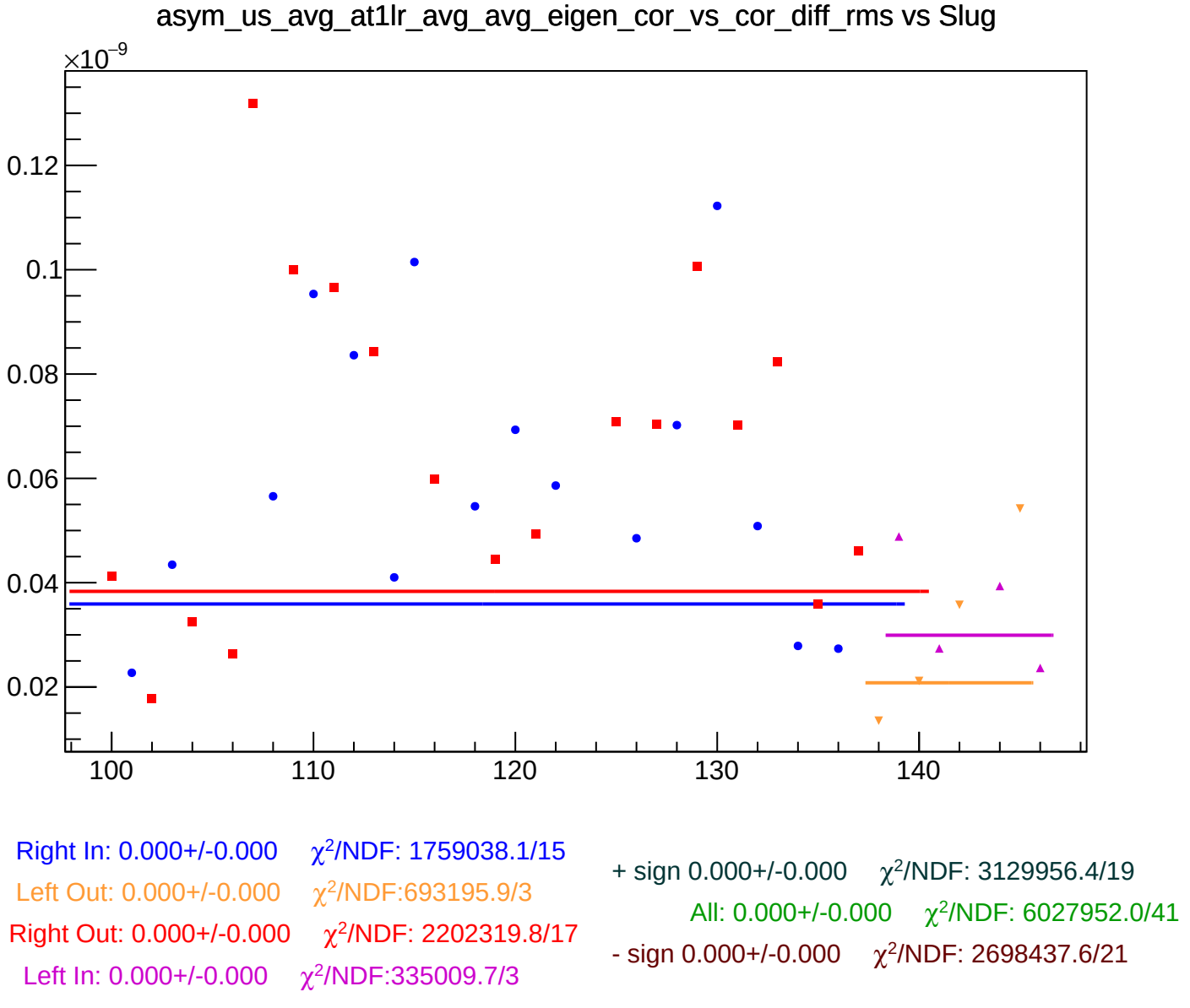
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

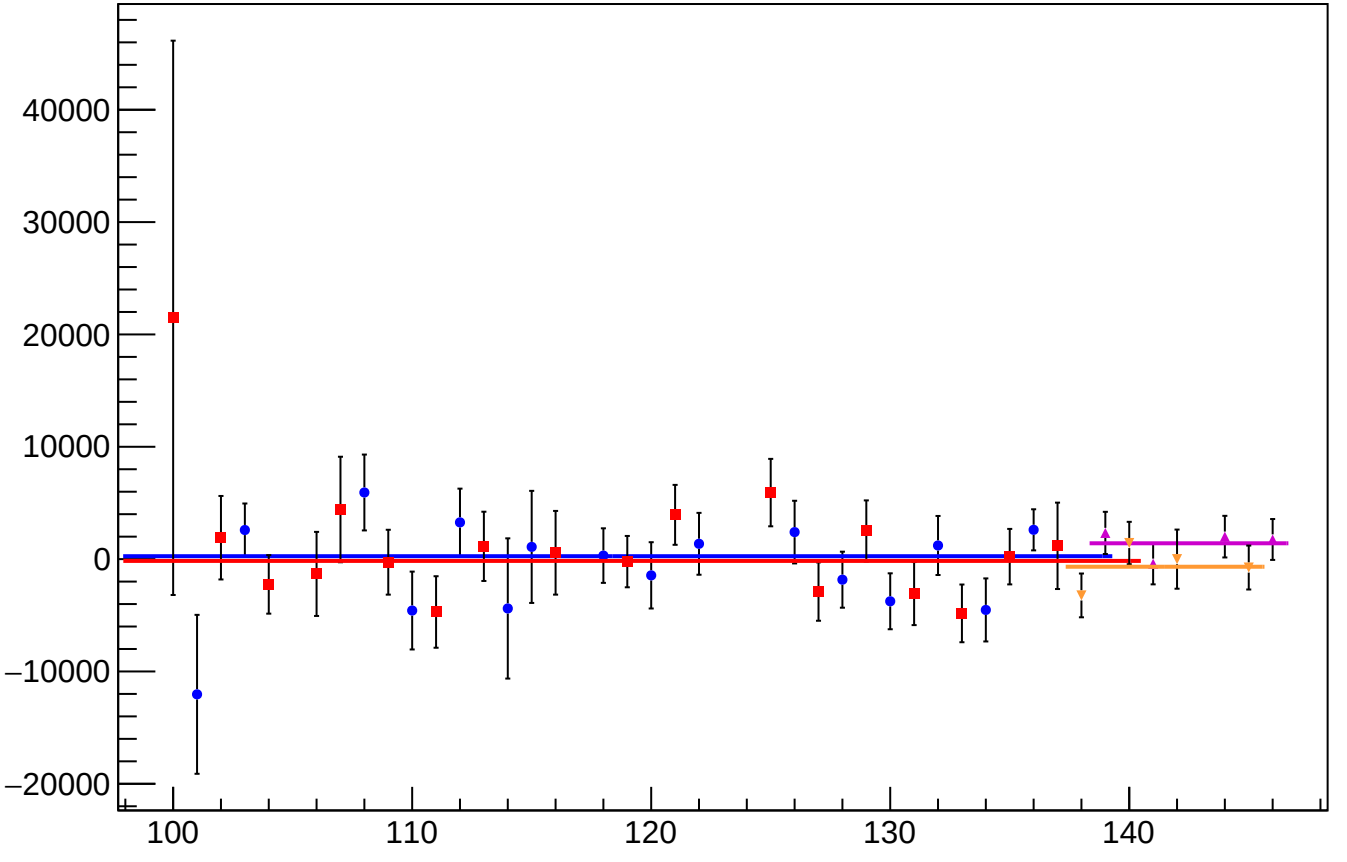
+ sign -0.000+/-0.000 χ^2/NDF: 16.2/19

All: -0.000+/-0.000 χ^2/NDF: 30.1/41

- sign -0.000+/-0.000 χ^2/NDF: 11.8/21


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
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:693195.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:335009.7/3
+ sign 0.000+/-0.000 χ²/NDF: 3129956.4/19
All: 0.000+/-0.000 χ²/NDF: 6027952.0/41
- sign 0.000+/-0.000 χ²/NDF: 2698437.6/21

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -678.403+/-1025.782 χ^2/NDF:3.0/3

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

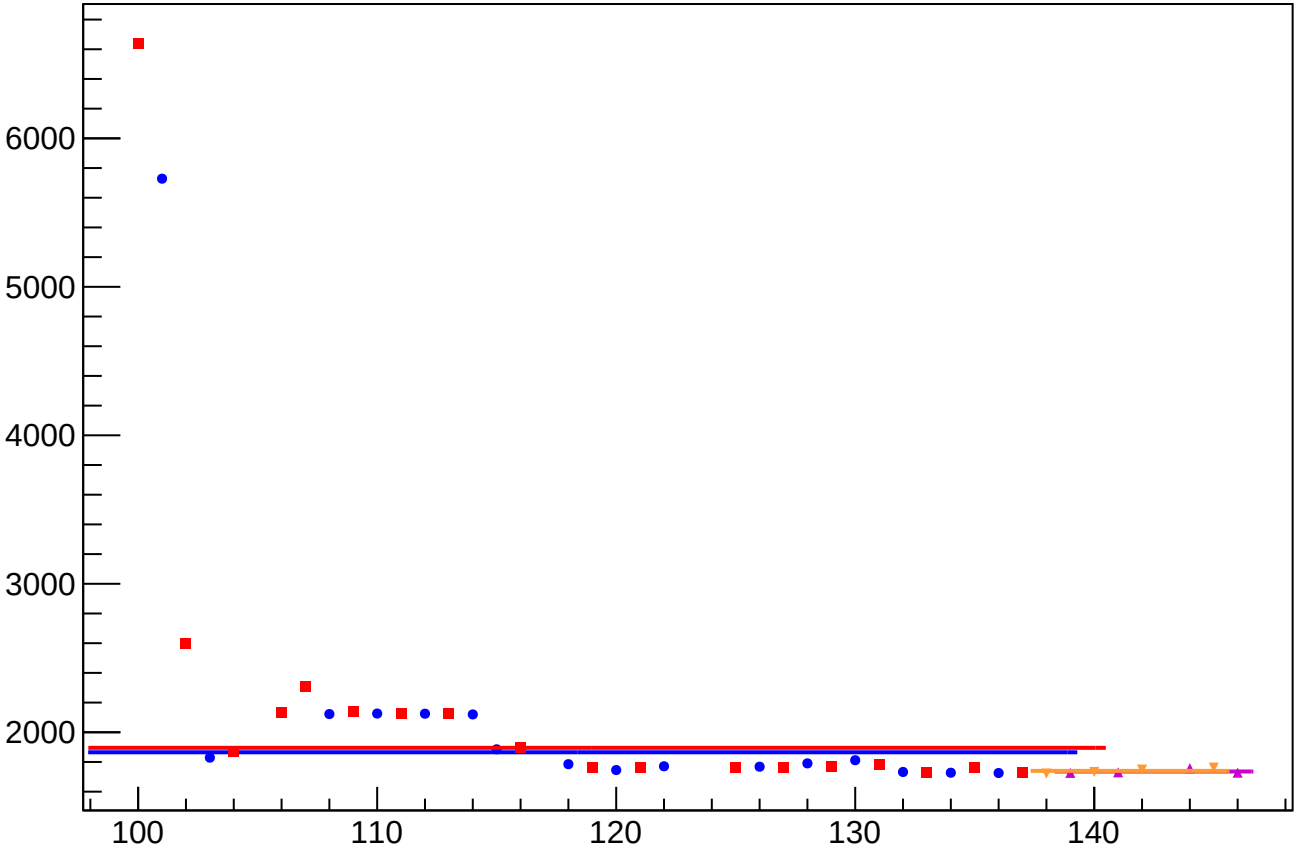
Left In: 1409.353+/-923.375 χ^2/NDF:1.4/3

+ sign -44.115+/-583.631 χ^2/NDF: 23.0/19

All: 198.937+/-405.570 χ^2/NDF: 44.6/41

- sign 425.912+/-563.999 χ^2/NDF: 21.2/21

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1739.988+/-0.725 χ^2/NDF:478.9/3

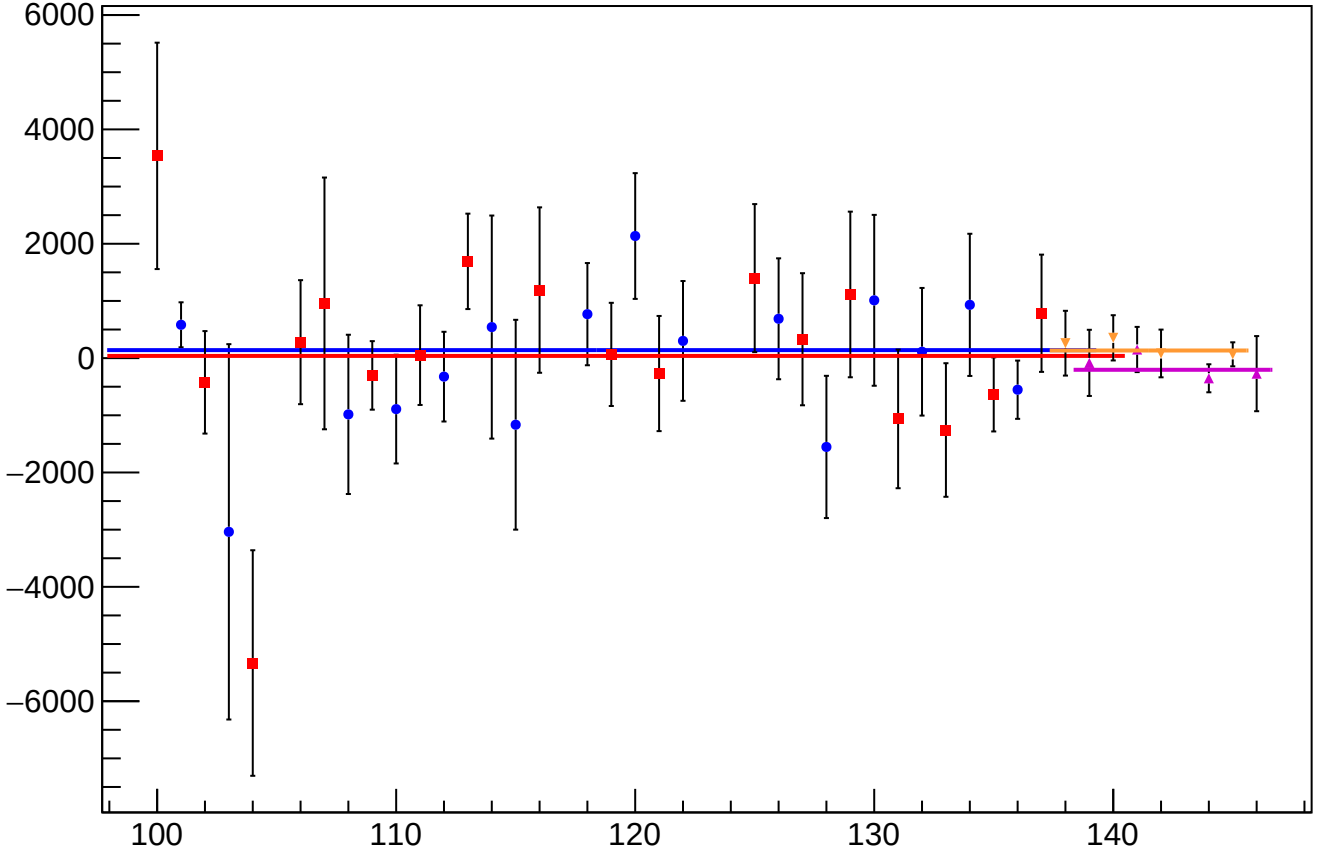
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

+ sign 1824.646+/-0.413 χ^2/NDF: 693347.2/19

All: 1830.407+/-0.287 χ^2/NDF: 982271.7/41

- sign 1835.787+/-0.399 χ^2/NDF: 288547.6/21



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 133.314+/-162.343 χ^2/NDF:0.5/3

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

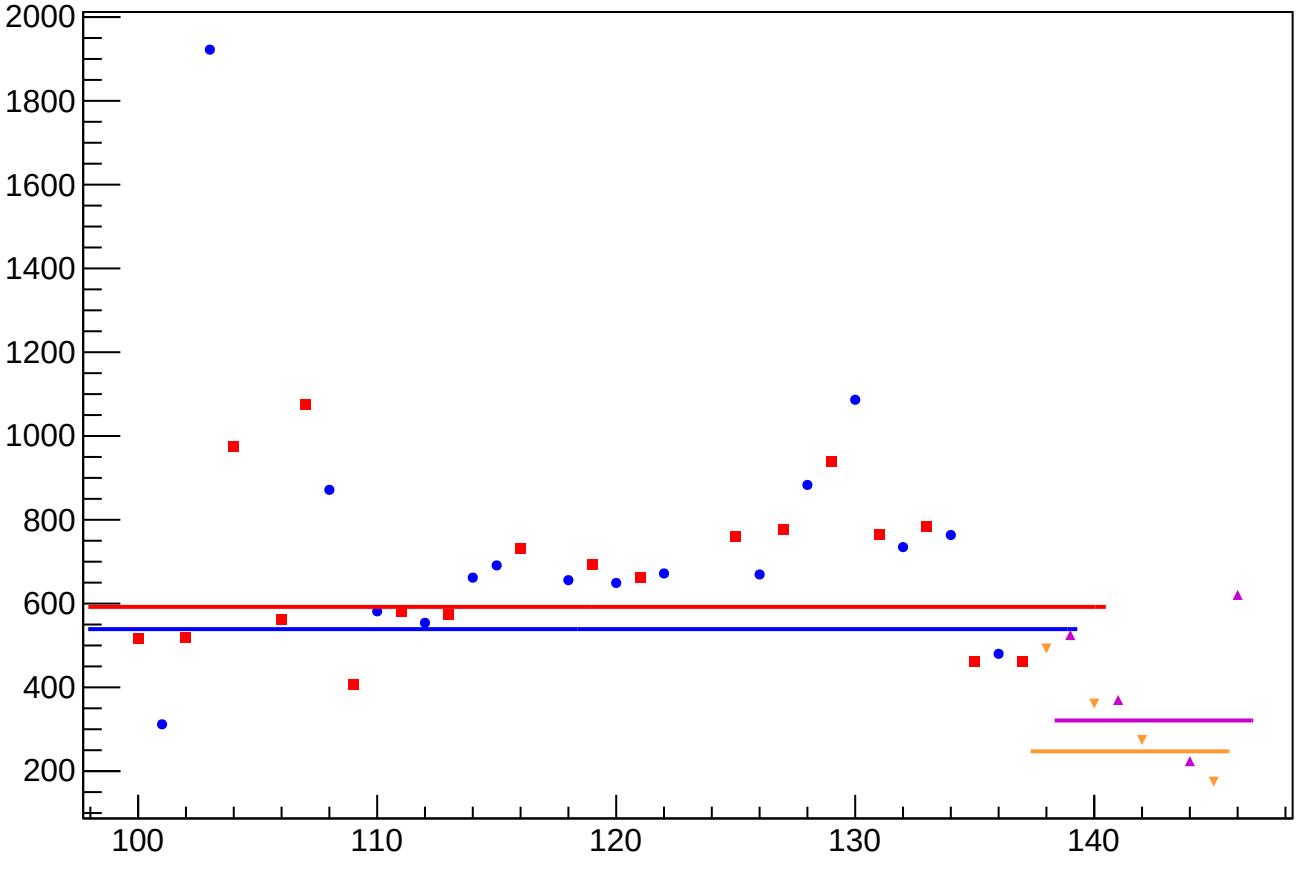
Left In: -204.102+/-187.784 χ^2/NDF:1.2/3

+ sign 135.599+/-130.649 χ^2/NDF: 13.9/19

All: 27.129+/-97.795 χ^2/NDF: 38.8/41

- sign -111.093+/-147.482 χ^2/NDF: 23.3/21

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: 247.311+/-0.115 χ^2/NDF:788064.5/3

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

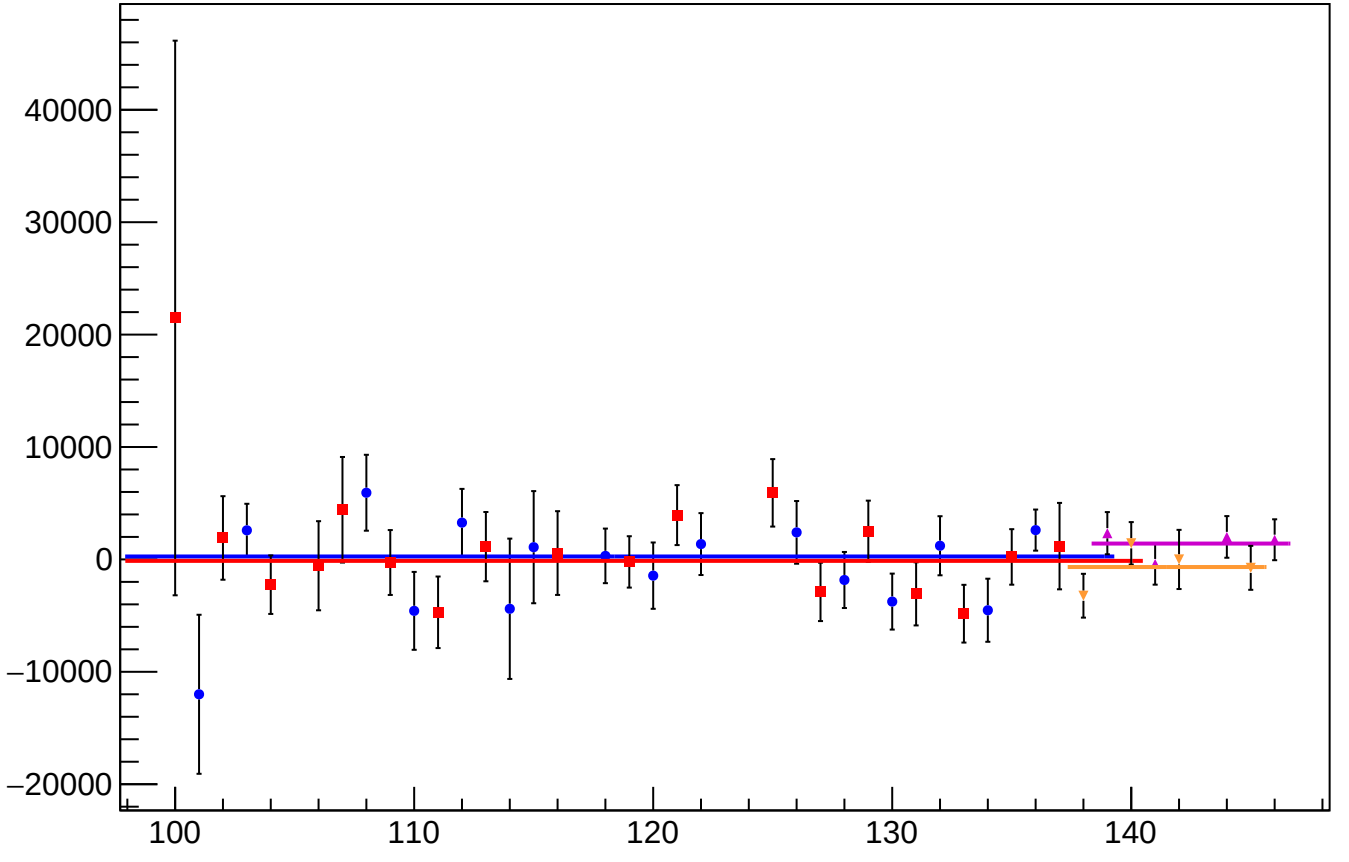
Left In: 321.008+/-0.133 χ^2/NDF:1009295.1/3

+ sign 350.092+/-0.092 χ^2/NDF: 4917844.6/19

All: 382.978+/-0.069 χ^2/NDF: 8655567.5/41

- sign 424.885+/-0.104 χ^2/NDF: 3449524.2/21

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -678.523+/-1025.782 χ^2/NDF:3.0/3

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

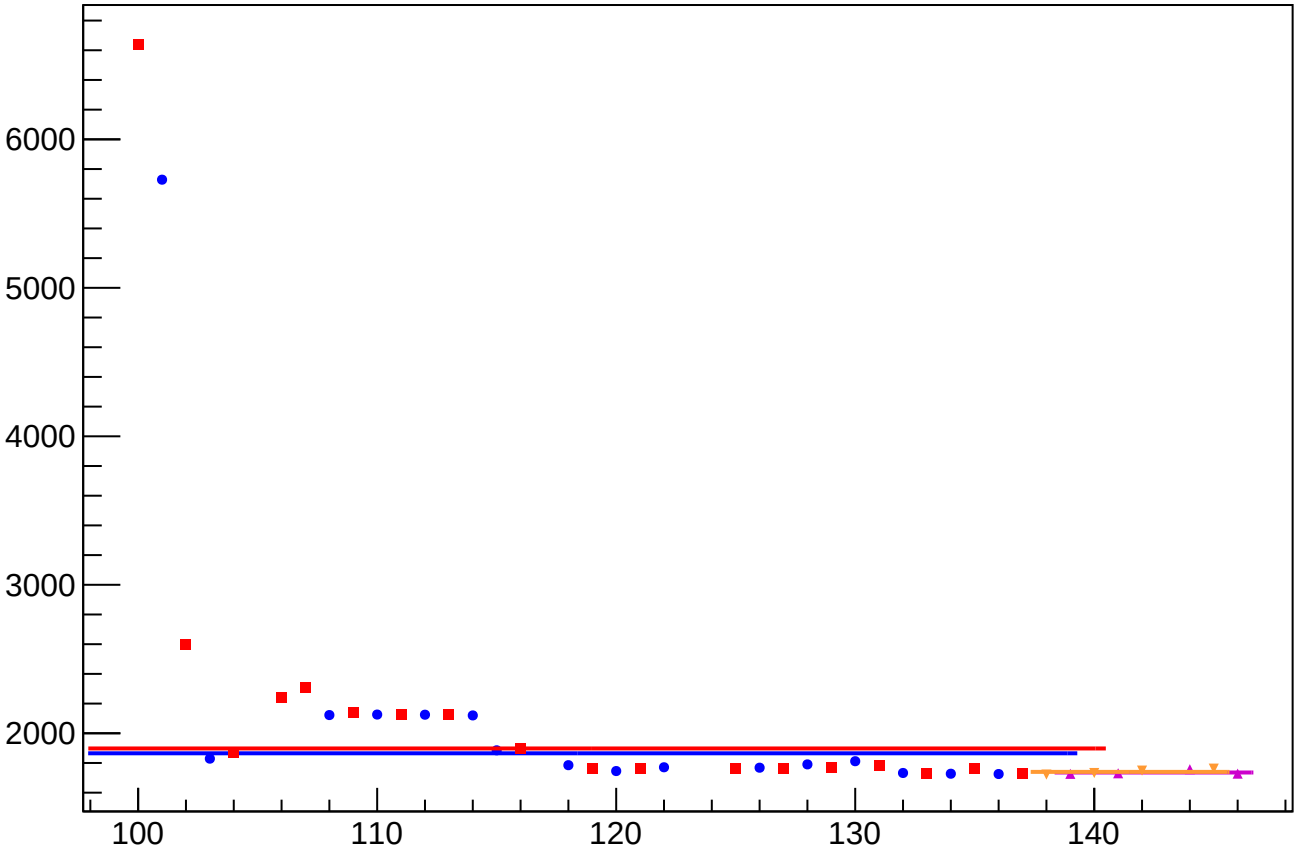
Left In: 1409.501+/-923.375 χ^2/NDF:1.4/3

+ sign -44.027+/-583.631 χ^2/NDF: 23.0/19

All: 208.934+/-405.830 χ^2/NDF: 44.5/41

- sign 445.749+/-564.698 χ^2/NDF: 21.1/21

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1739.988+/-0.725 χ^2/NDF:478.9/3

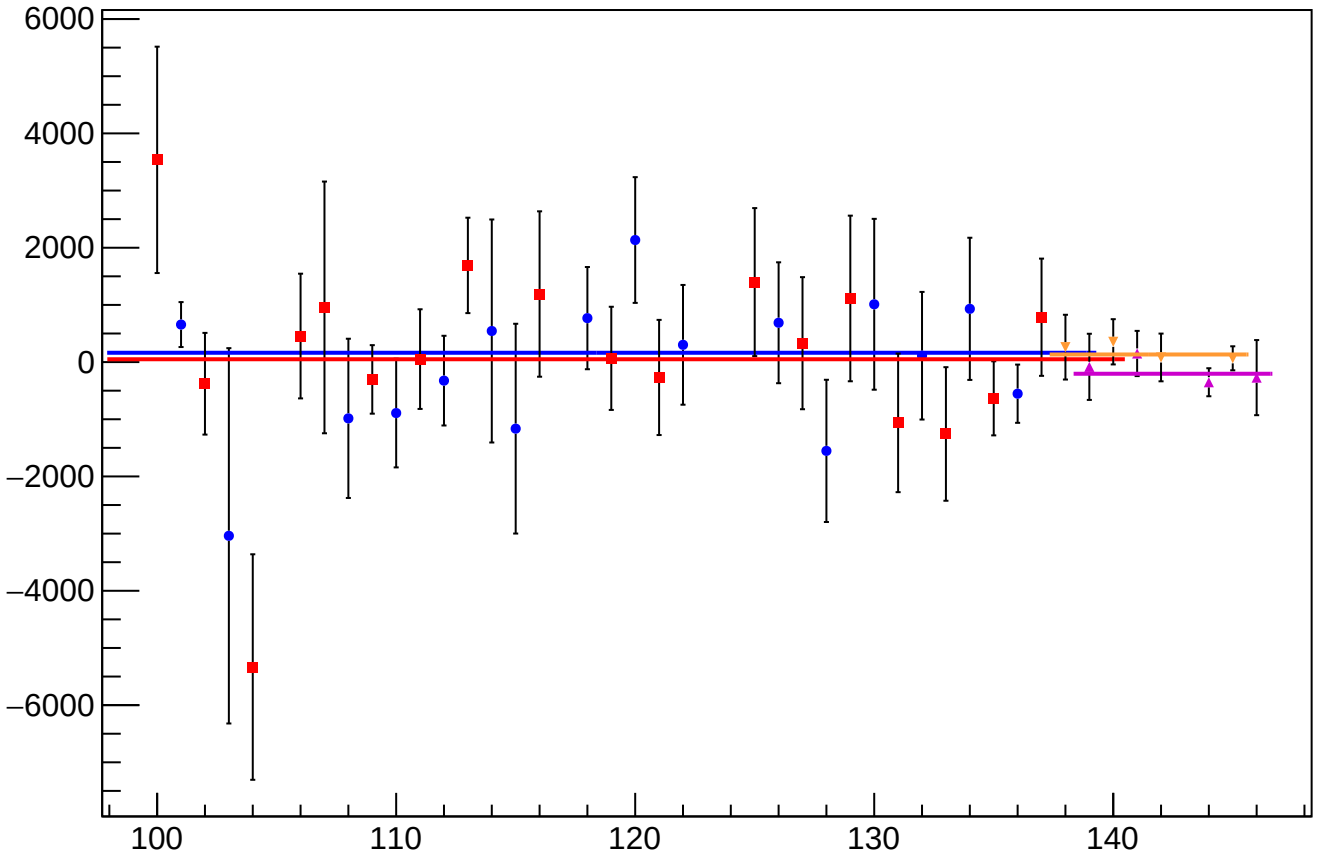
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

+ sign 1824.646+/-0.413 χ^2/NDF: 693347.2/19

All: 1831.117+/-0.287 χ^2/NDF: 990399.9/41

- sign 1837.174+/-0.399 χ^2/NDF: 296576.8/21



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 133.096+/-162.347 χ^2/NDF:0.5/3

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

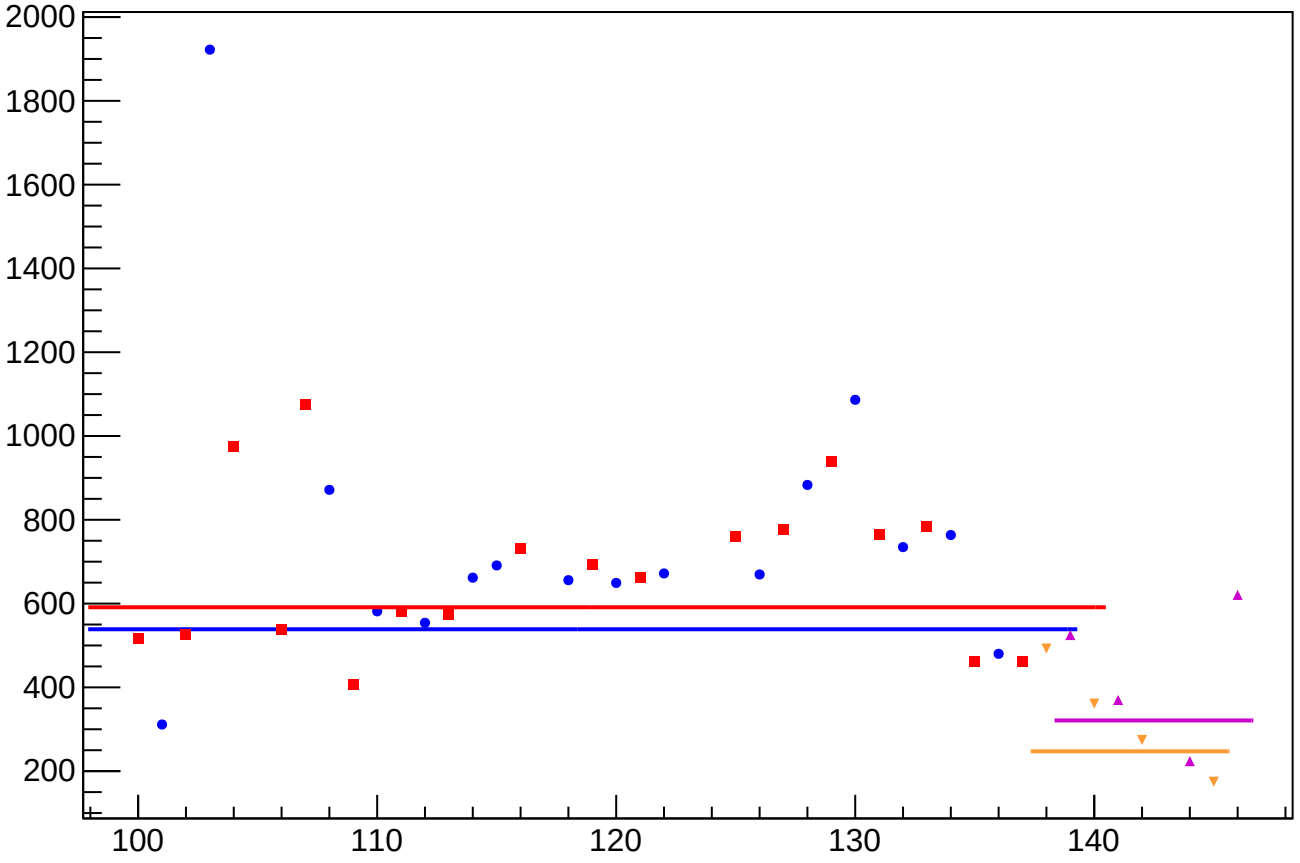
Left In: -204.071+/-187.785 χ^2/NDF:1.2/3

+ sign 143.690+/-130.635 χ^2/NDF: 14.4/19

All: 33.537+/-97.785 χ^2/NDF: 39.4/41

- sign -106.834+/-147.469 χ^2/NDF: 23.4/21

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: 247.317+/-0.115 χ^2/NDF:788076.7/3

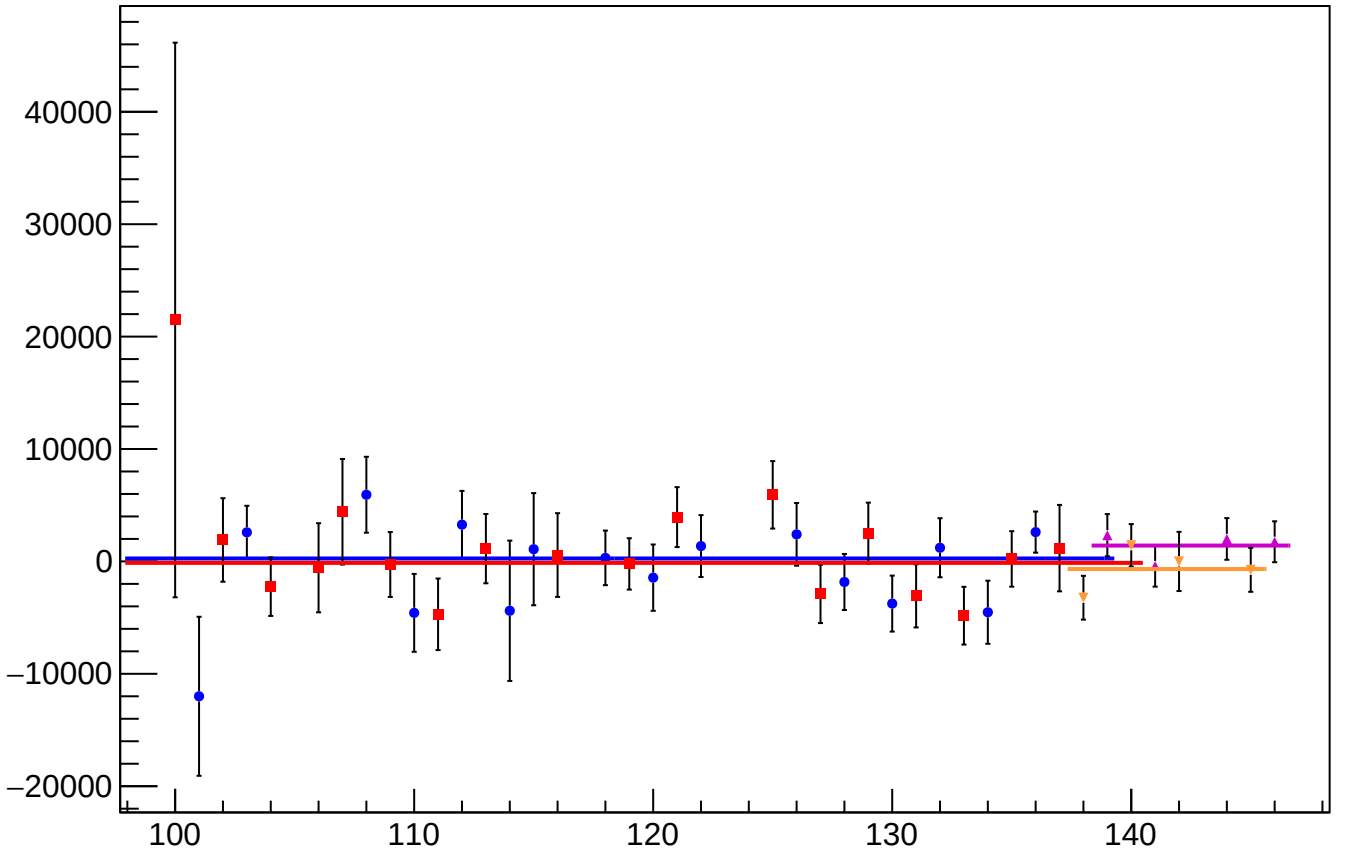
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 321.018+/-0.133 χ^2/NDF:1009139.5/3

+ sign 350.035+/-0.092 χ^2/NDF: 4918184.6/19

All: 382.817+/-0.069 χ^2/NDF: 8645683.8/41

- sign 424.592+/-0.104 χ^2/NDF: 3441055.9/21



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -678.523+/-1025.782 χ^2/NDF:3.0/3

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

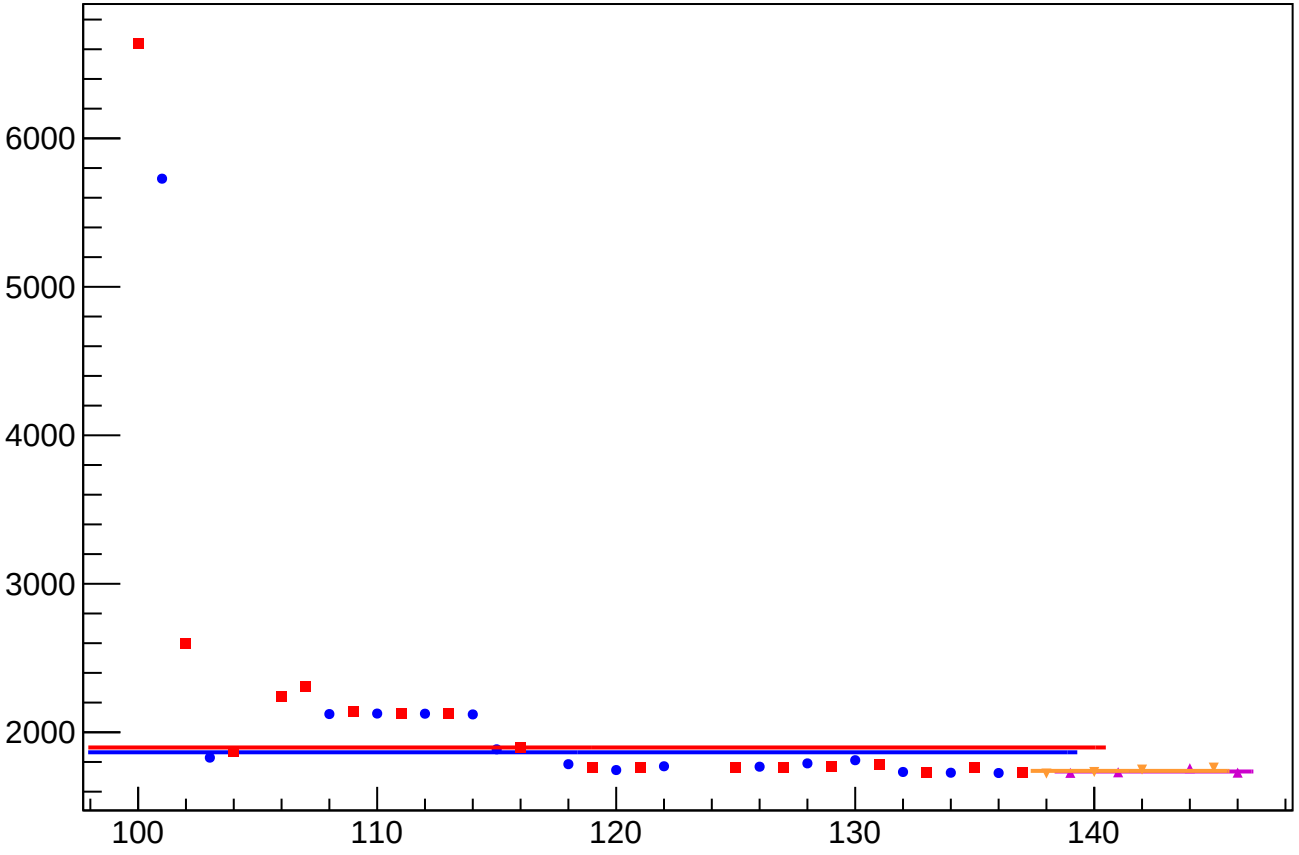
Left In: 1409.501+/-923.375 χ^2/NDF:1.4/3

+ sign -44.027+/-583.631 χ^2/NDF: 23.0/19

All: 208.934+/-405.830 χ^2/NDF: 44.5/41

- sign 445.749+/-564.698 χ^2/NDF: 21.1/21

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: 1739.988+/-0.725 χ^2/NDF:478.9/3

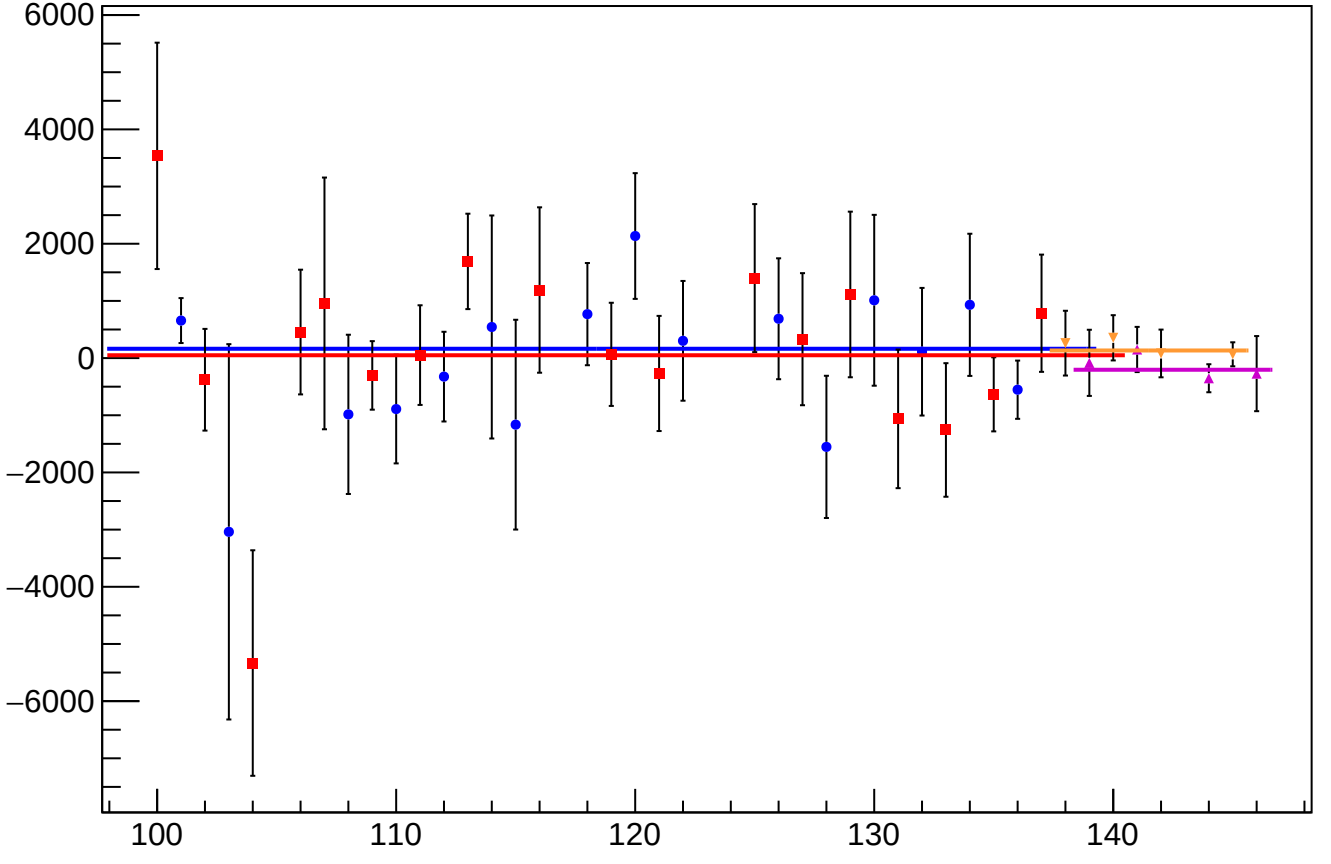
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

+ sign 1824.646+/-0.413 χ^2/NDF: 693347.2/19

All: 1831.117+/-0.287 χ^2/NDF: 990399.9/41

- sign 1837.174+/-0.399 χ^2/NDF: 296576.8/21



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 133.096+/-162.347 χ^2/NDF:0.5/3

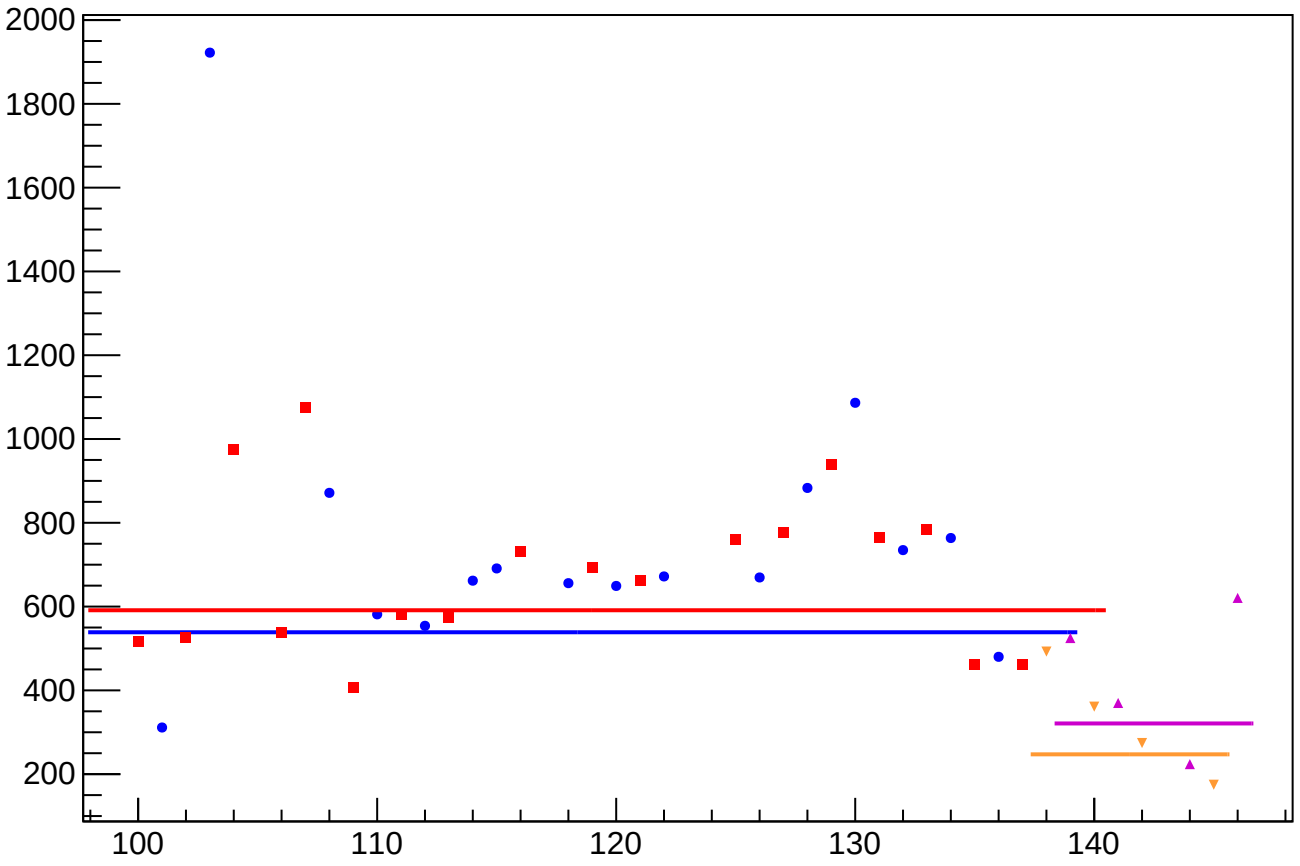
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -204.071+/-187.785 χ^2/NDF:1.2/3

+ sign 143.690+/-130.635 χ^2/NDF: 14.4/19

All: 33.537+/-97.785 χ^2/NDF: 39.4/41

- sign -106.834+/-147.469 χ^2/NDF: 23.4/21



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 247.317+/-0.115 χ^2/NDF:788076.7/3

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

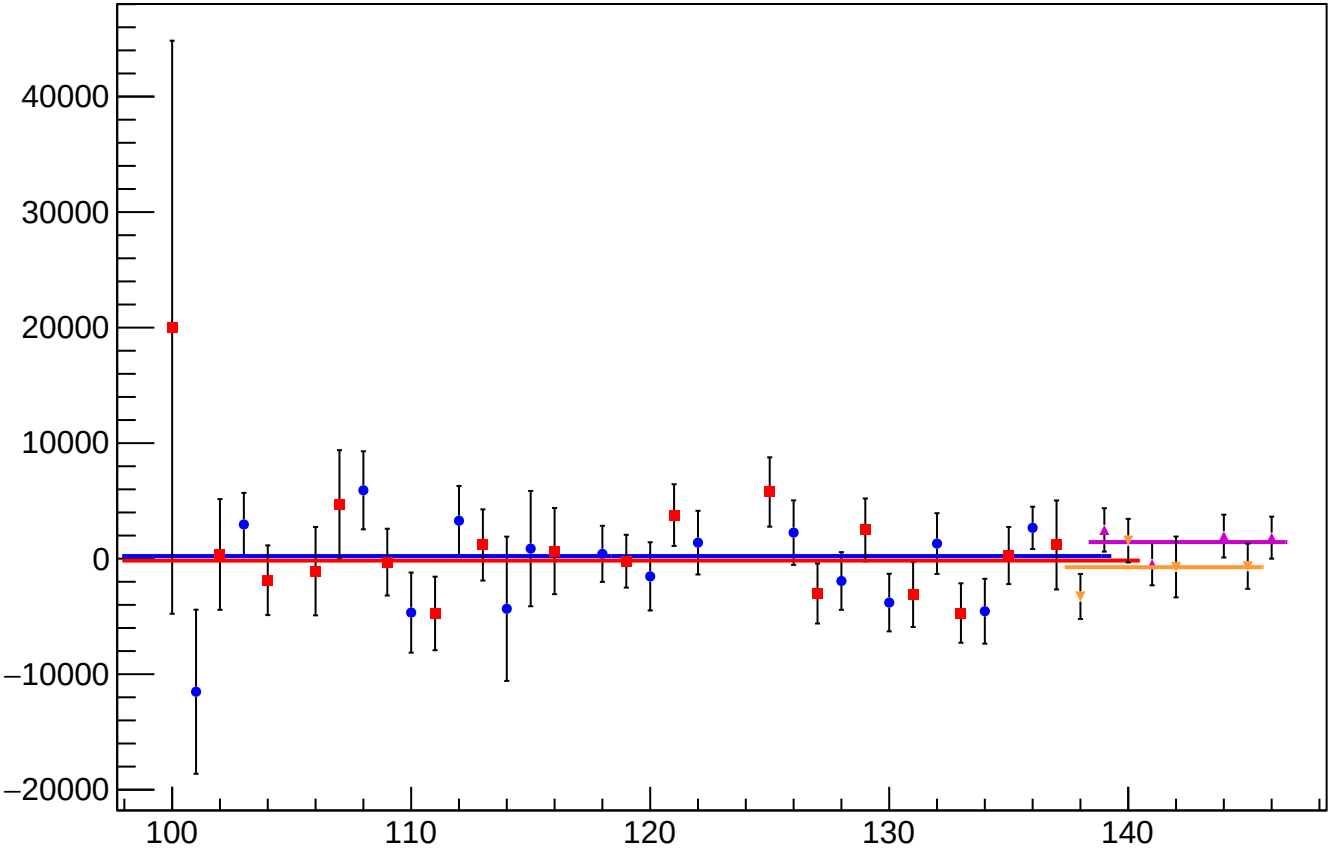
Left In: 321.018+/-0.133 χ^2/NDF:1009139.5/3

+ sign 350.035+/-0.092 χ^2/NDF: 4918184.6/19

All: 382.817+/-0.069 χ^2/NDF: 8645683.8/41

- sign 424.592+/-0.104 χ^2/NDF: 3441055.9/21

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -736.198+/-1026.324 χ^2/NDF:3.2/3

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

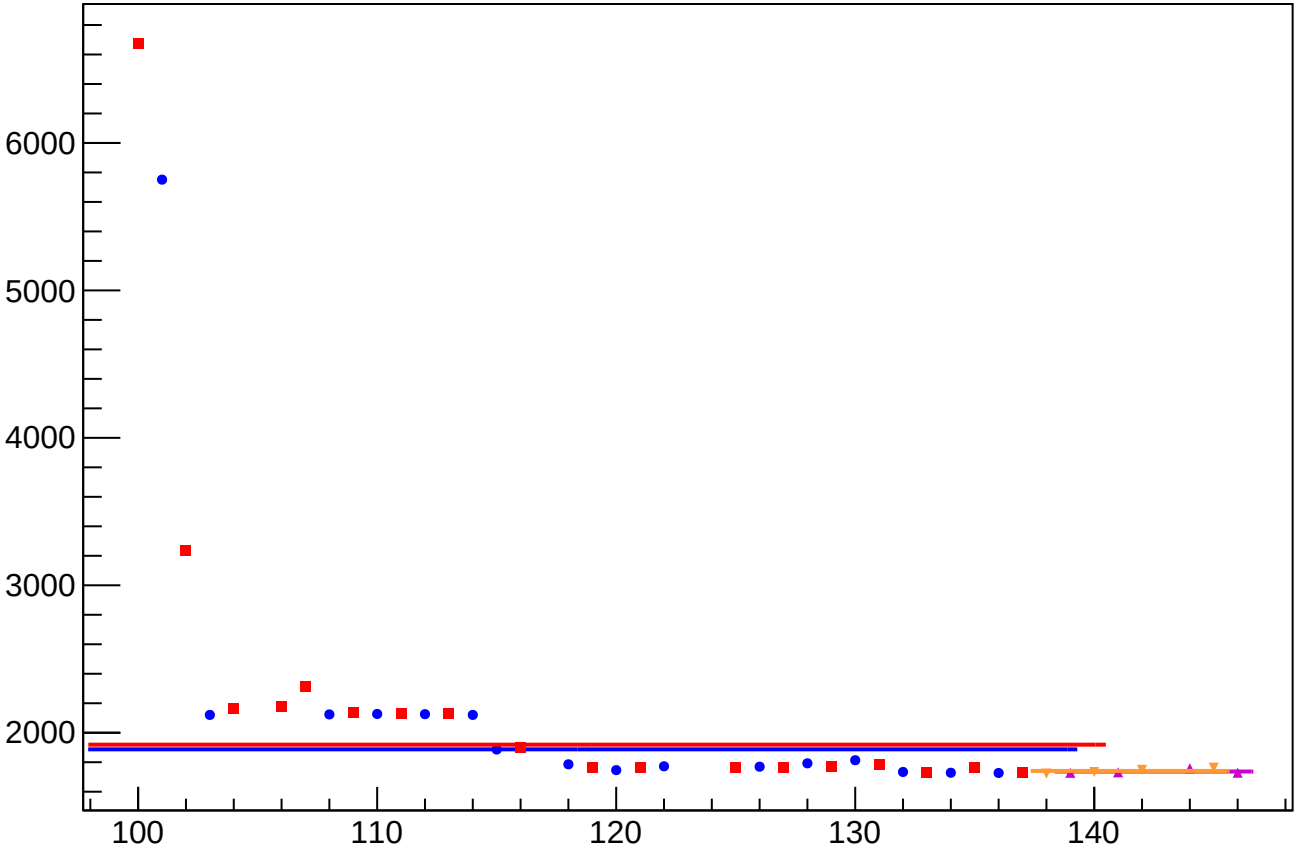
Left In: 1438.640+/-923.948 χ^2/NDF:1.5/3

+ sign -90.352+/-588.629 χ^2/NDF: 23.2/19

All: 186.990+/-409.759 χ^2/NDF: 44.0/41

- sign 447.745+/-570.757 χ^2/NDF: 20.4/21

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1740.901+/-0.726 χ^2/NDF:474.7/3

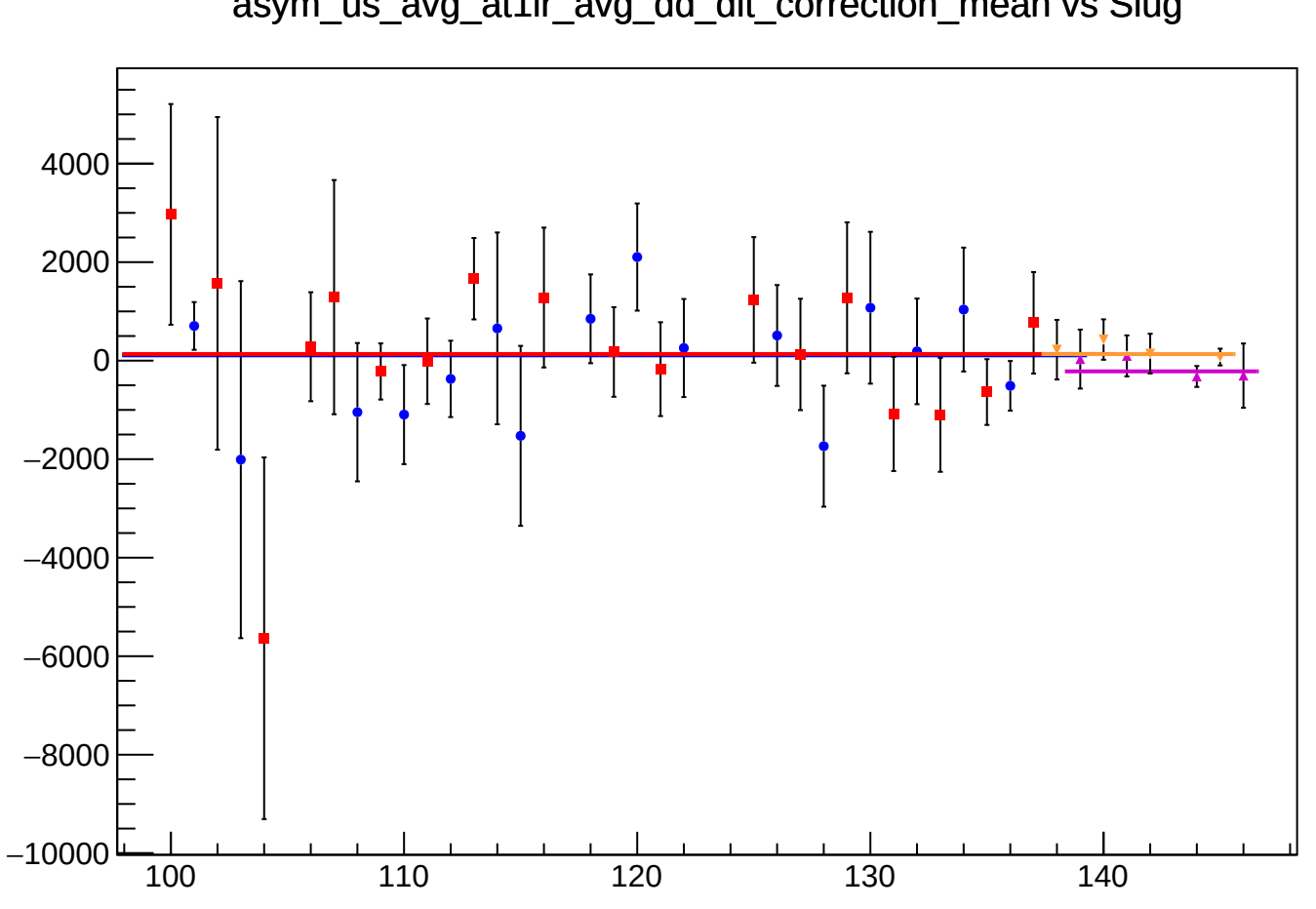
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1736.939+/-0.653 χ^2/NDF:374.6/3

+ sign 1839.150+/-0.416 χ^2/NDF: 717229.9/19

All: 1844.550+/-0.290 χ^2/NDF: 1118606.9/41

- sign 1849.627+/-0.404 χ^2/NDF: 401050.4/21



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 132.986+/-142.406 χ^2/NDF:0.7/3

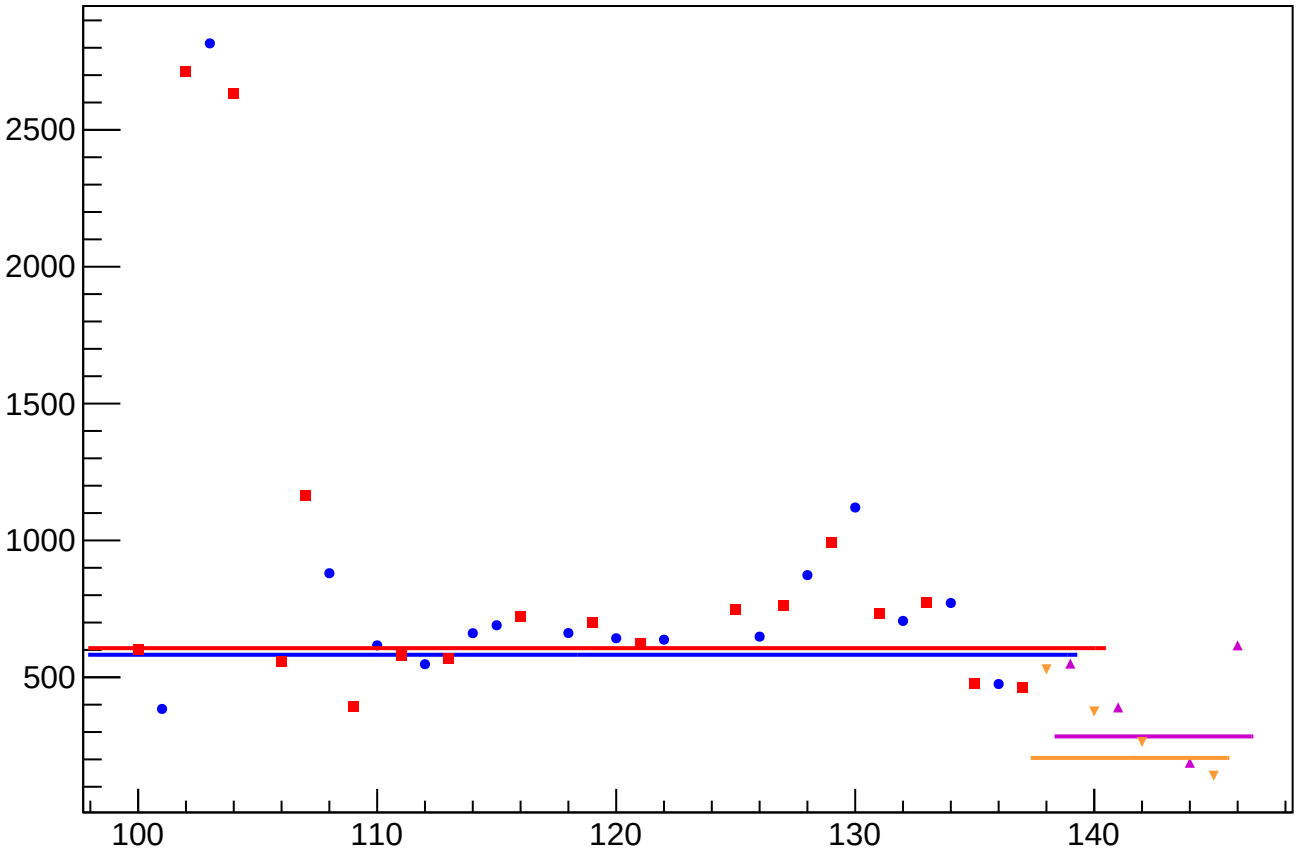
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -217.306+/-173.823 χ^2/NDF:1.0/3

+ sign 126.172+/-121.324 χ^2/NDF: 14.8/19

All: 30.770+/-92.227 χ^2/NDF: 33.0/41

- sign -99.821+/-141.947 χ^2/NDF: 16.7/21



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 205.464+/-0.101 χ^2/NDF:1248431.6/3

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

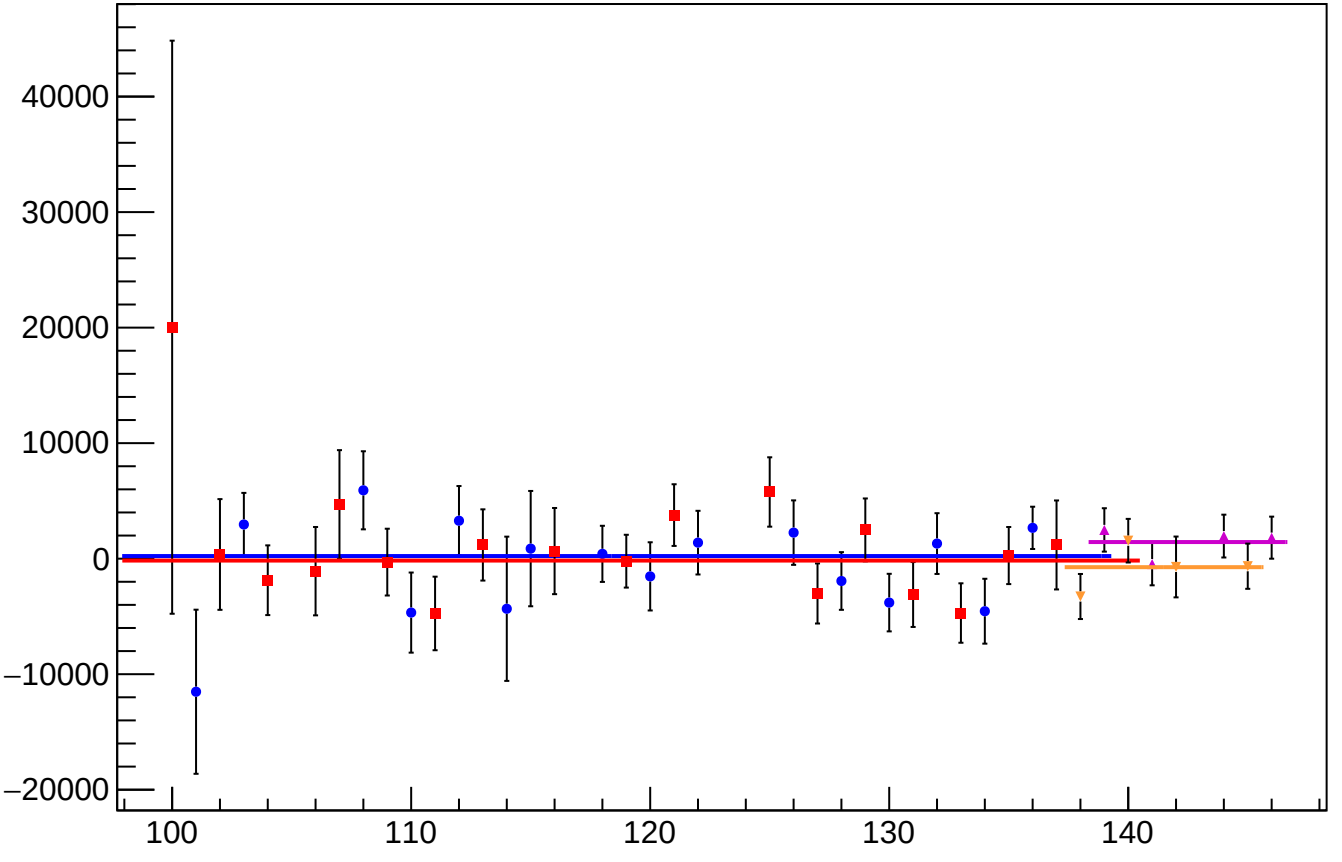
Left In: 284.016+/-0.123 χ^2/NDF:1454610.7/3

+ sign 308.769+/-0.086 χ^2/NDF: 6841702.9/19

All: 343.664+/-0.065 χ^2/NDF: 13179178.1/41

- sign 391.430+/-0.100 χ^2/NDF: 5945552.5/21

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -736.198+/-1026.324 χ^2/NDF:3.2/3

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

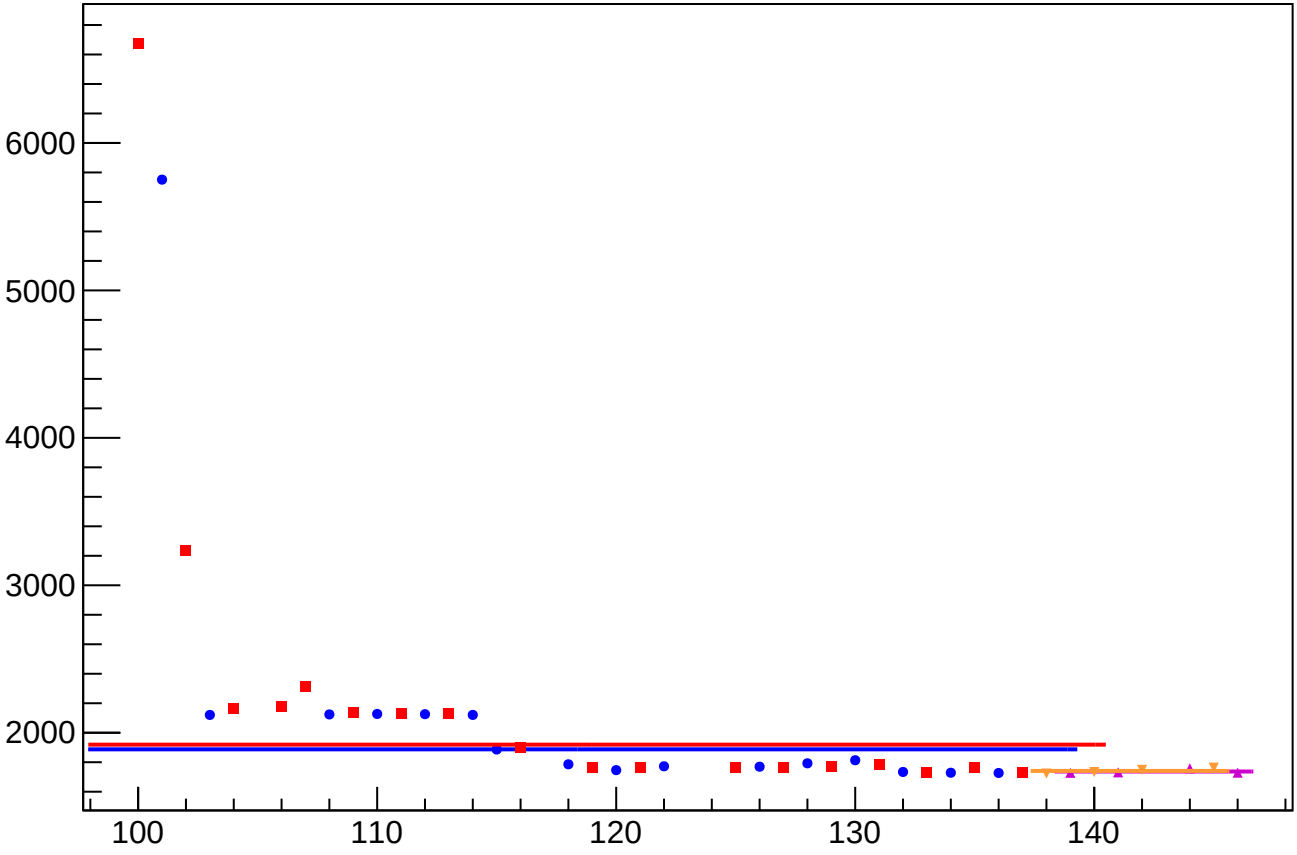
Left In: 1438.641+/-923.948 χ^2/NDF:1.5/3

+ sign -90.351+/-588.629 χ^2/NDF: 23.2/19

All: 186.990+/-409.759 χ^2/NDF: 44.0/41

- sign 447.745+/-570.757 χ^2/NDF: 20.4/21

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: 1740.901+/-0.726 χ^2/NDF:474.7/3

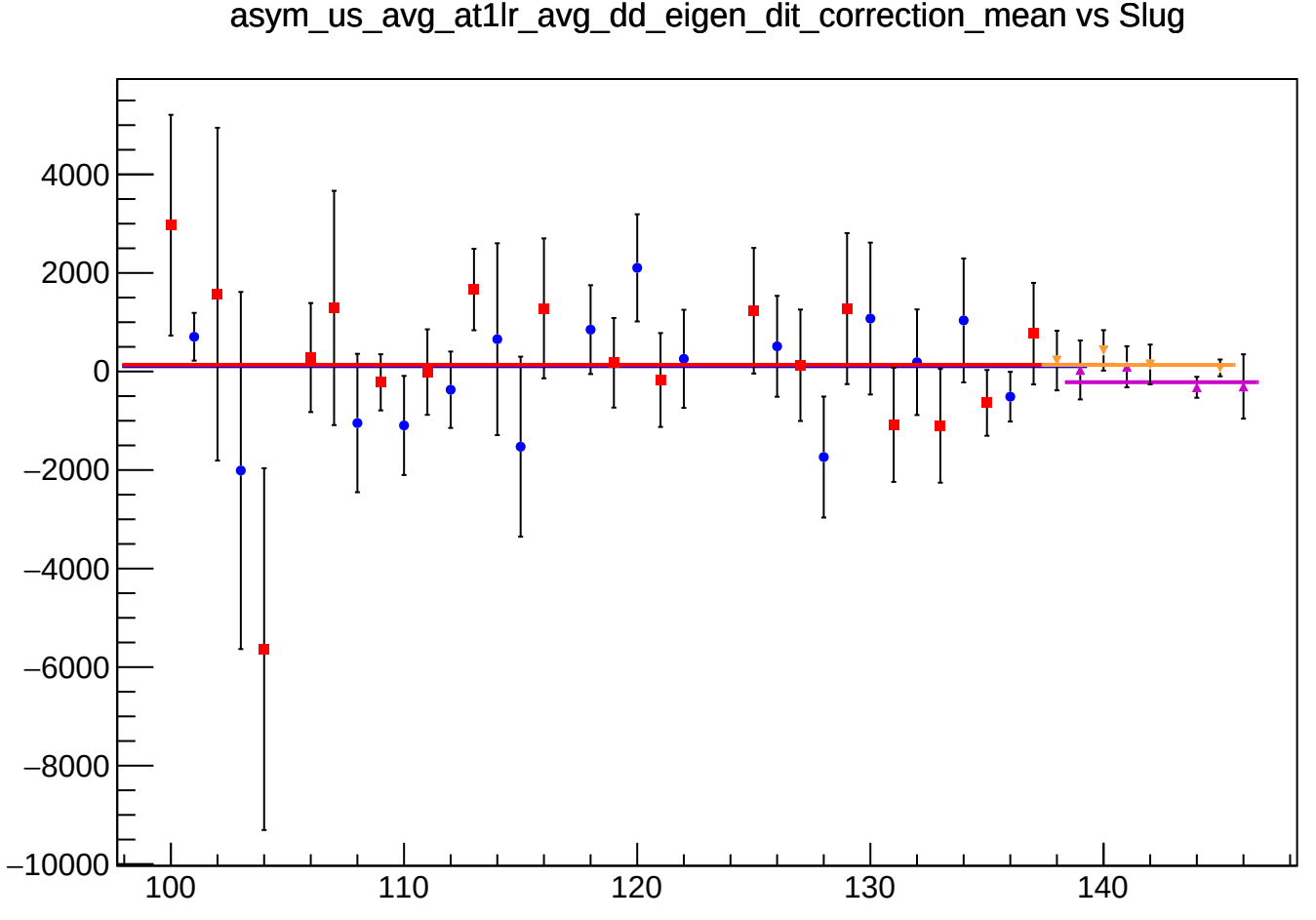
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1736.939+/-0.653 χ^2/NDF:374.6/3

+ sign 1839.150+/-0.416 χ^2/NDF: 717229.5/19

All: 1844.550+/-0.290 χ^2/NDF: 1118605.7/41

- sign 1849.627+/-0.404 χ^2/NDF: 401049.6/21



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 132.985+/-142.406 χ^2/NDF:0.7/3

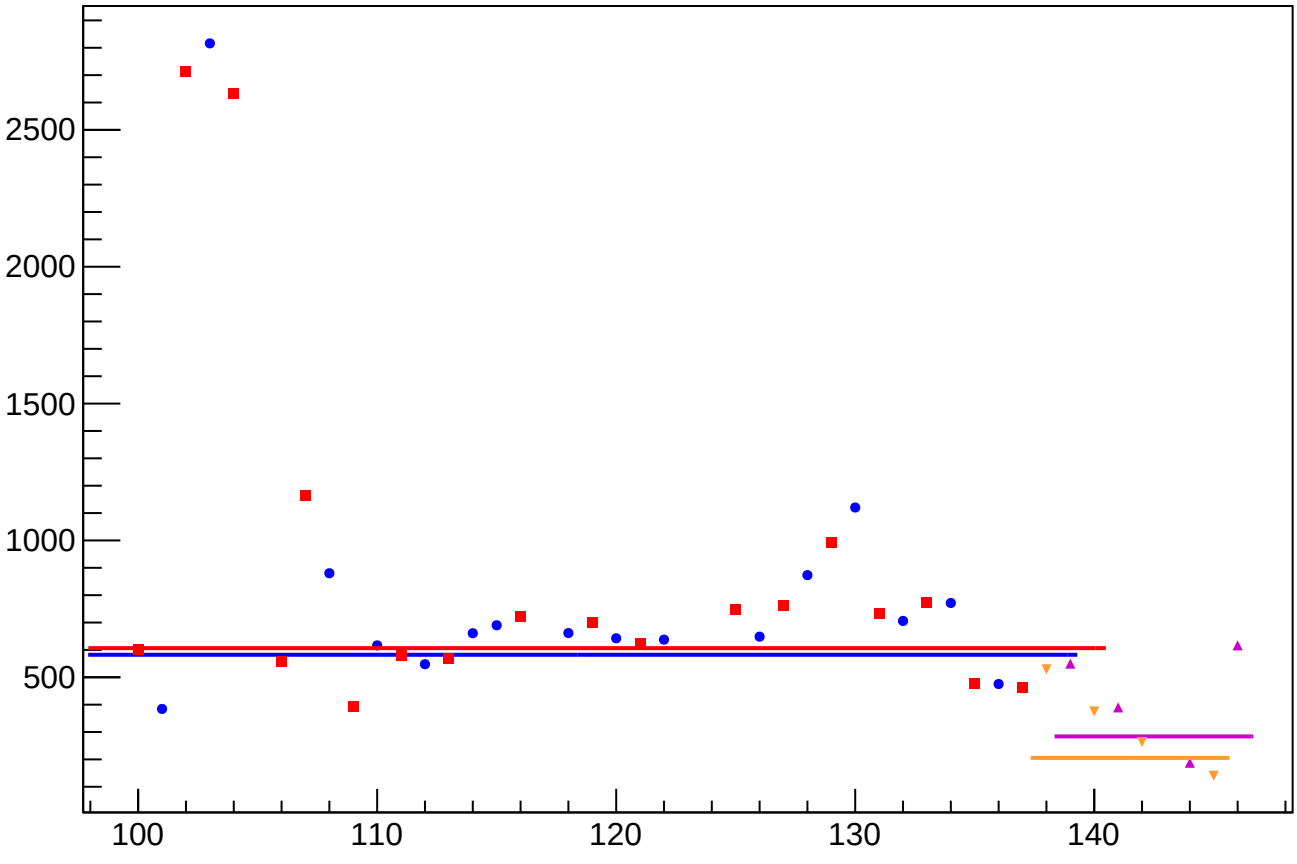
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -217.305+/-173.824 χ^2/NDF:1.0/3

+ sign 126.170+/-121.324 χ^2/NDF: 14.8/19

All: 30.770+/-92.227 χ^2/NDF: 33.0/41

- sign -99.820+/-141.947 χ^2/NDF: 16.7/21



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 205.464+/-0.101 χ^2/NDF:1248445.0/3

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

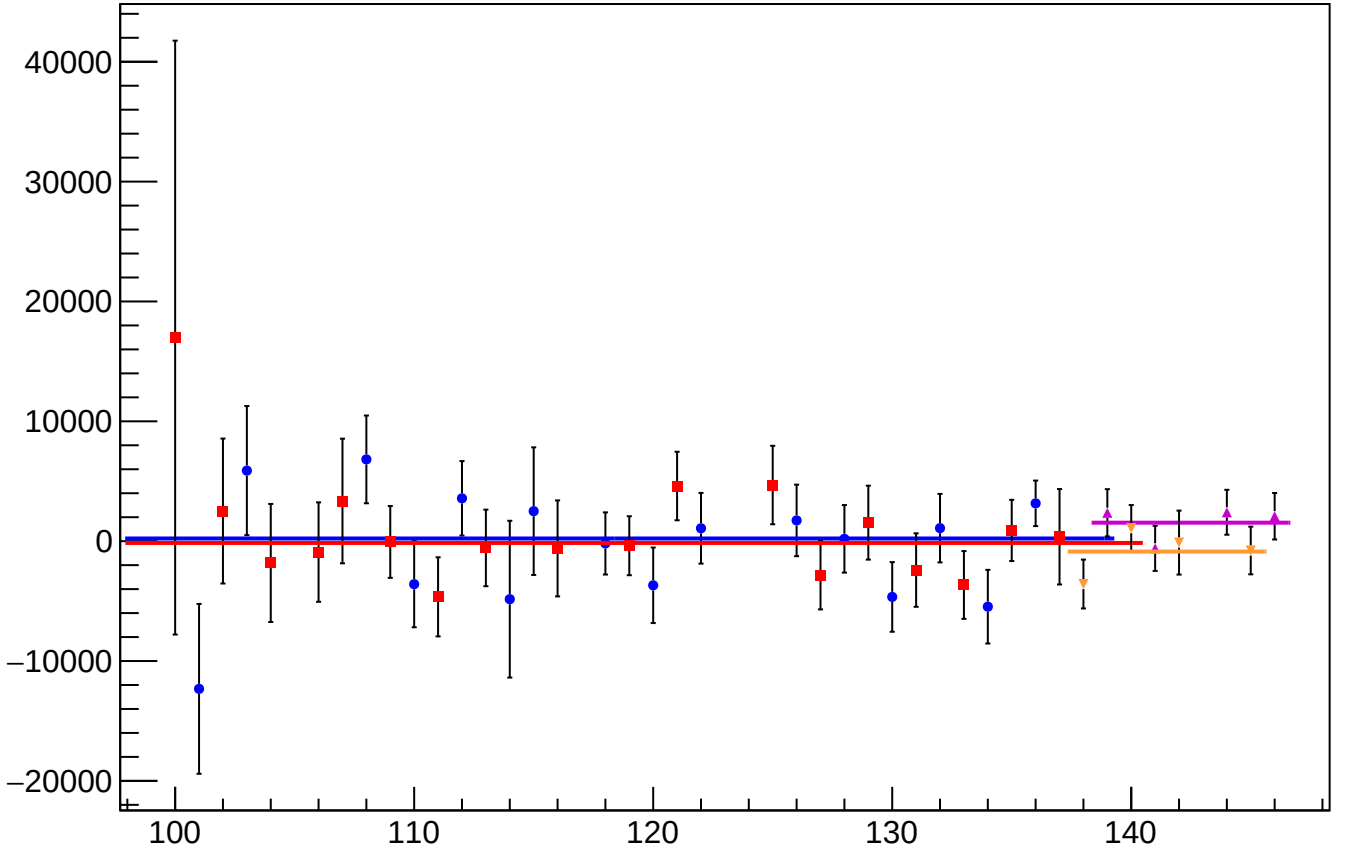
Left In: 284.016+/-0.123 χ^2/NDF:1454620.1/3

+ sign 308.769+/-0.086 χ^2/NDF: 6841690.2/19

All: 343.664+/-0.065 χ^2/NDF: 13179147.4/41

- sign 391.430+/-0.100 χ^2/NDF: 5945535.1/21

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -866.251+/-1052.853 χ^2/NDF:2.9/3

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

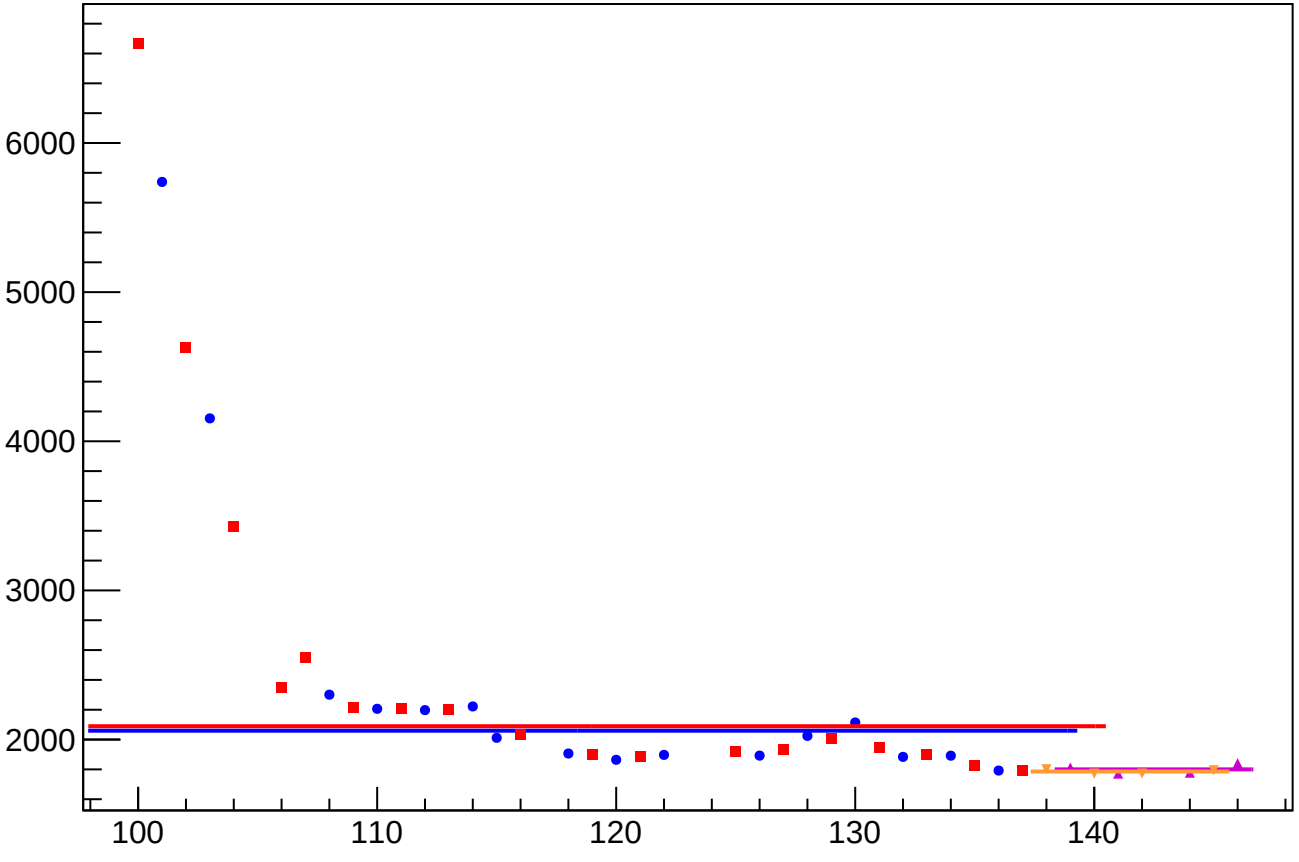
Left In: 1542.512+/-957.619 χ^2/NDF:1.8/3

+ sign -169.453+/-632.754 χ^2/NDF: 24.7/19

All: 197.970+/-439.646 χ^2/NDF: 40.6/41

- sign 540.911+/-611.309 χ^2/NDF: 15.2/21

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1785.868+/-0.744 χ^2/NDF:296.2/3

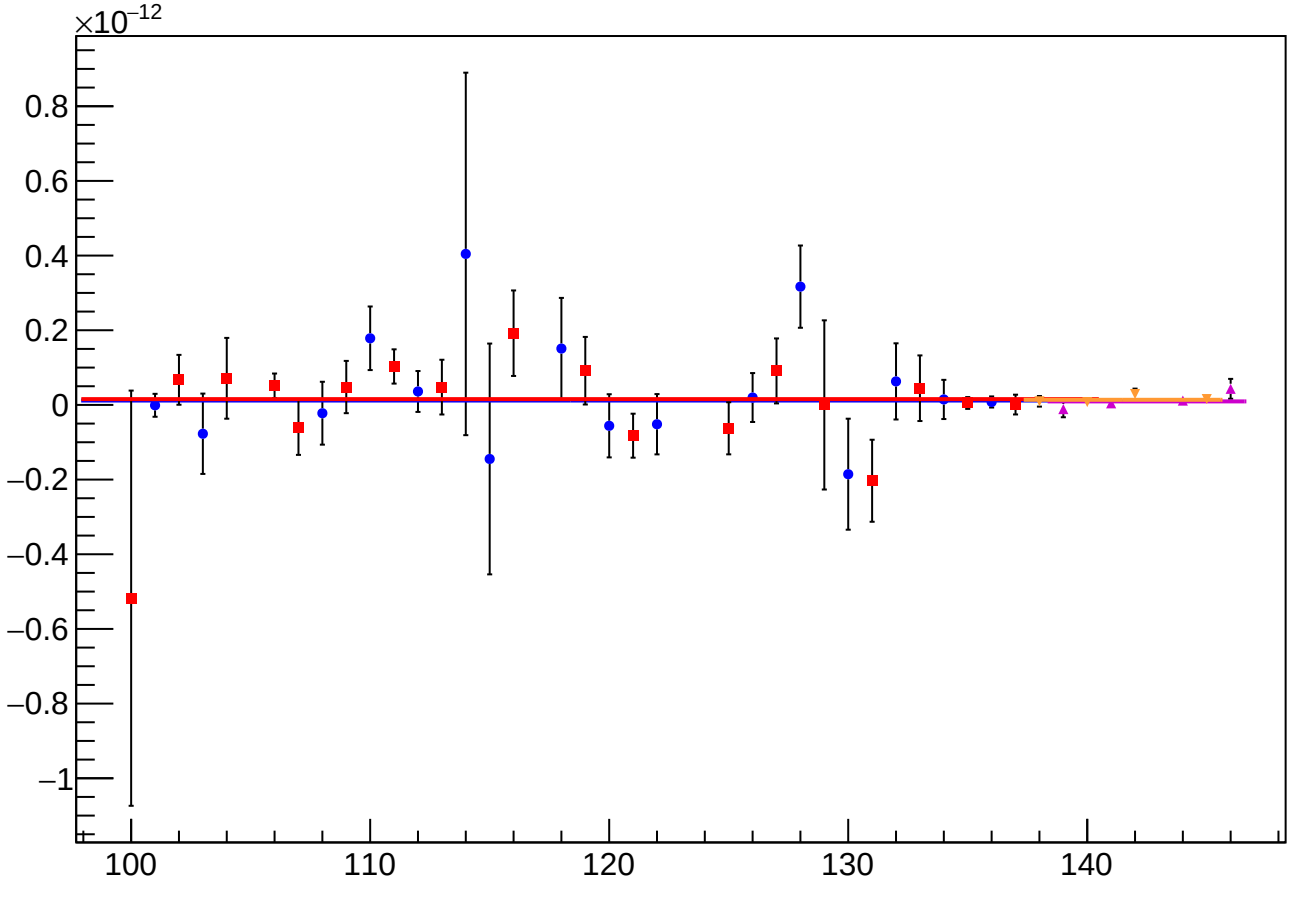
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1800.040+/-0.677 χ^2/NDF:1725.1/3

+ sign 1960.665+/-0.447 χ^2/NDF: 1026465.7/19

All: 1966.284+/-0.311 χ^2/NDF: 1818213.6/41

- sign 1971.529+/-0.432 χ^2/NDF: 791442.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

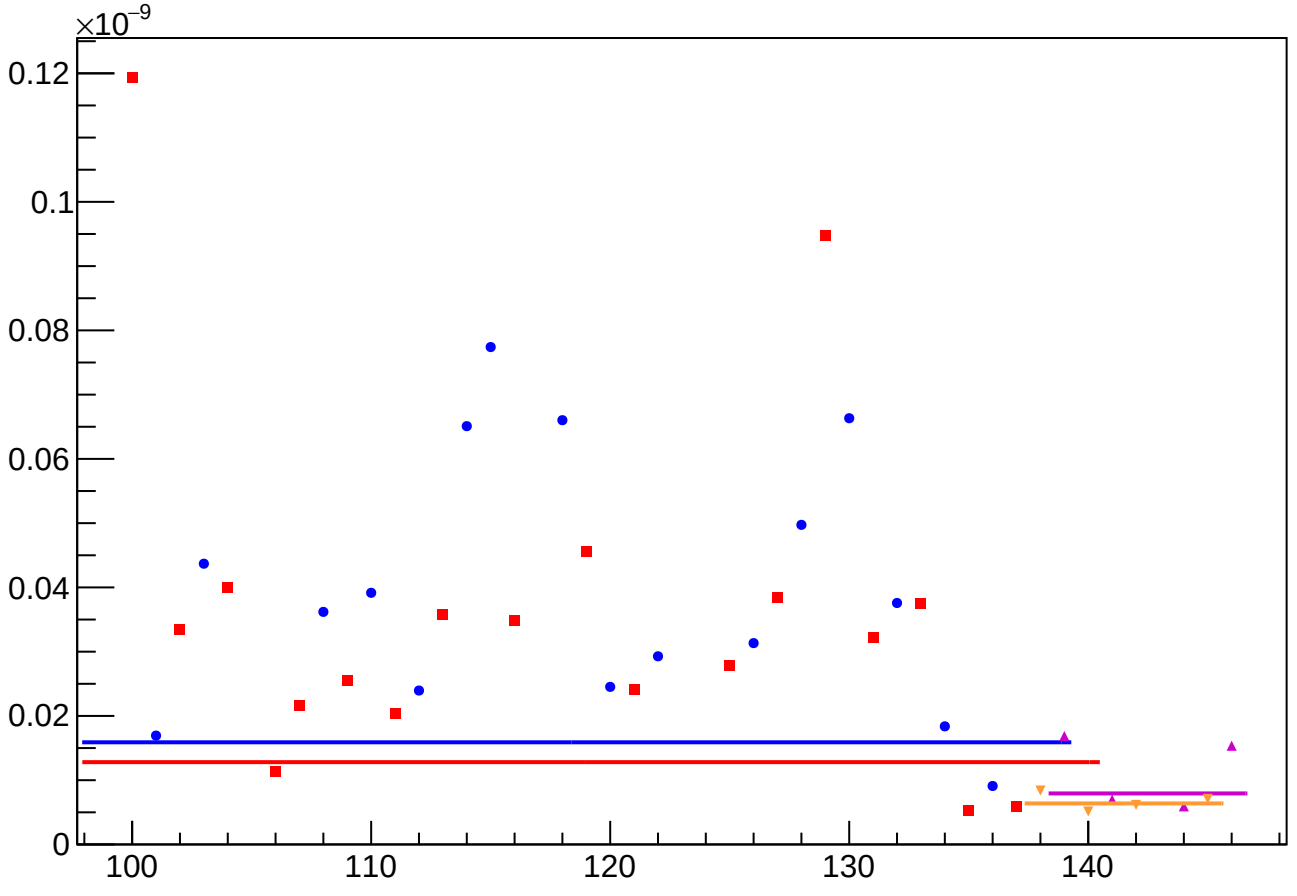
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 19.7/19

All: 0.000+/-0.000 χ^2/NDF: 43.4/41

- sign 0.000+/-0.000 χ^2/NDF: 23.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:80995.4/3

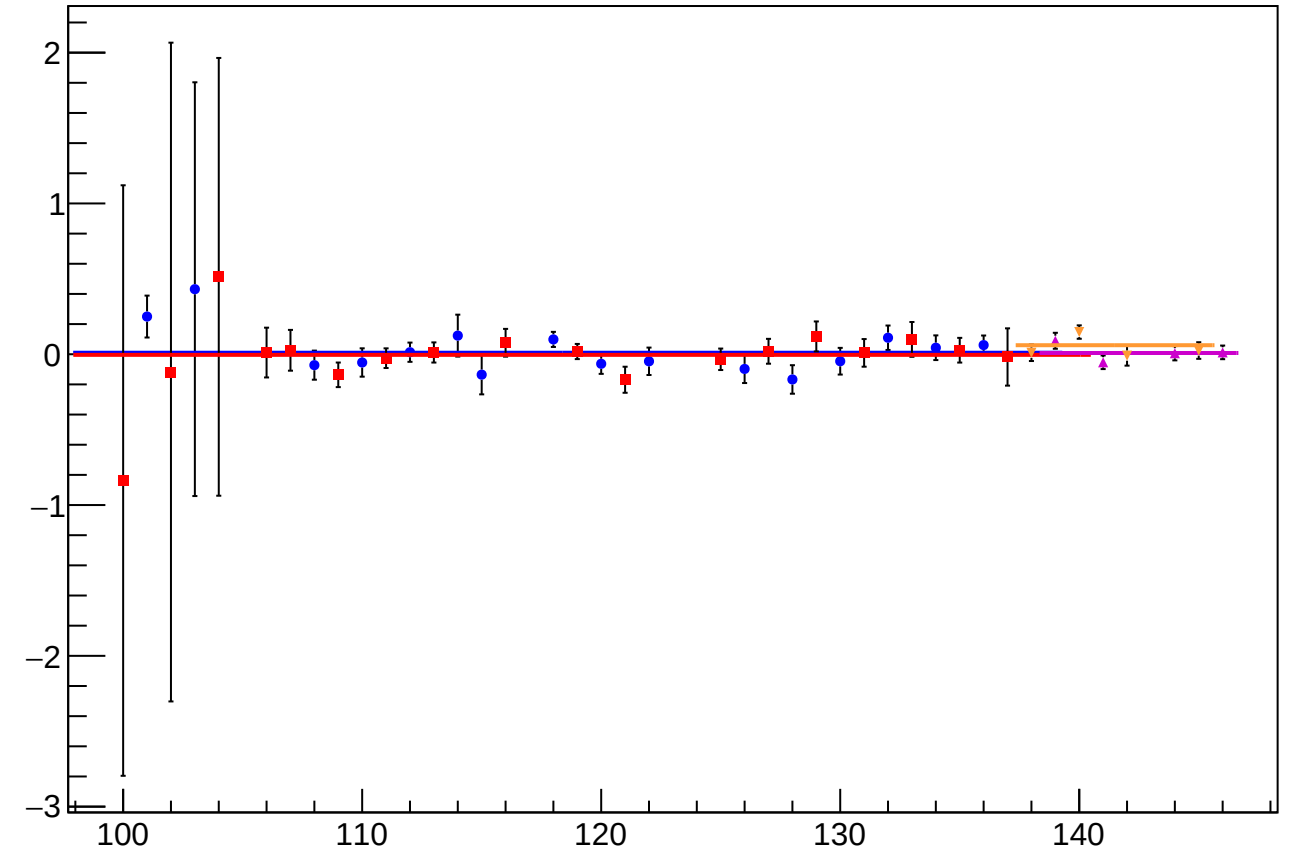
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:593236.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3076650.4/19

All: 0.000+/-0.000 χ^2/NDF: 6477543.8/41

- sign 0.000+/-0.000 χ^2/NDF: 3372485.0/21



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.060+/-0.027 χ^2/NDF:6.2/3

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

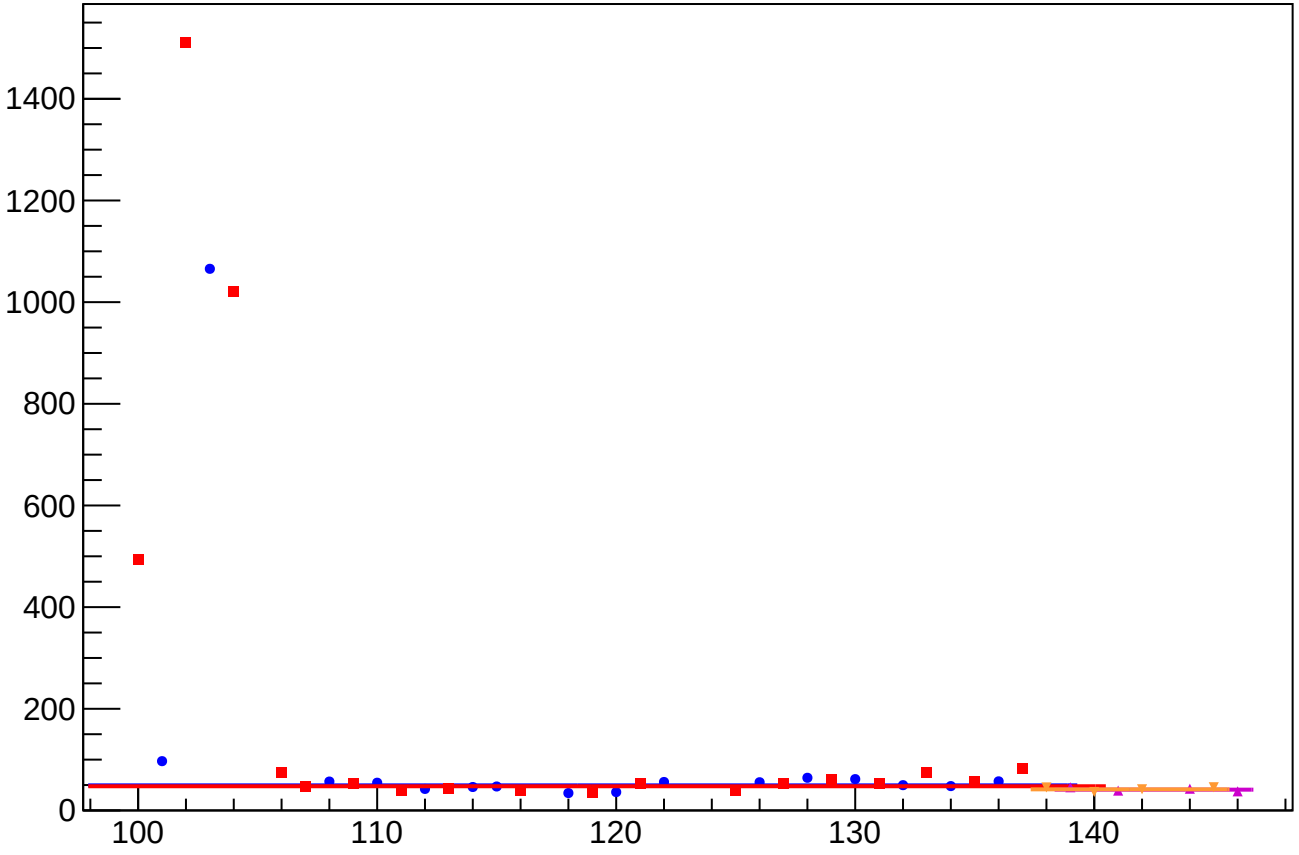
Left In: 0.008+/-0.024 χ^2/NDF:4.2/3

+ sign 0.029+/-0.017 χ^2/NDF: 26.8/19

All: 0.015+/-0.011 χ^2/NDF: 43.0/41

- sign 0.002+/-0.016 χ^2/NDF: 14.9/21

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 41.534+/-0.019 χ^2/NDF:47540.3/3

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

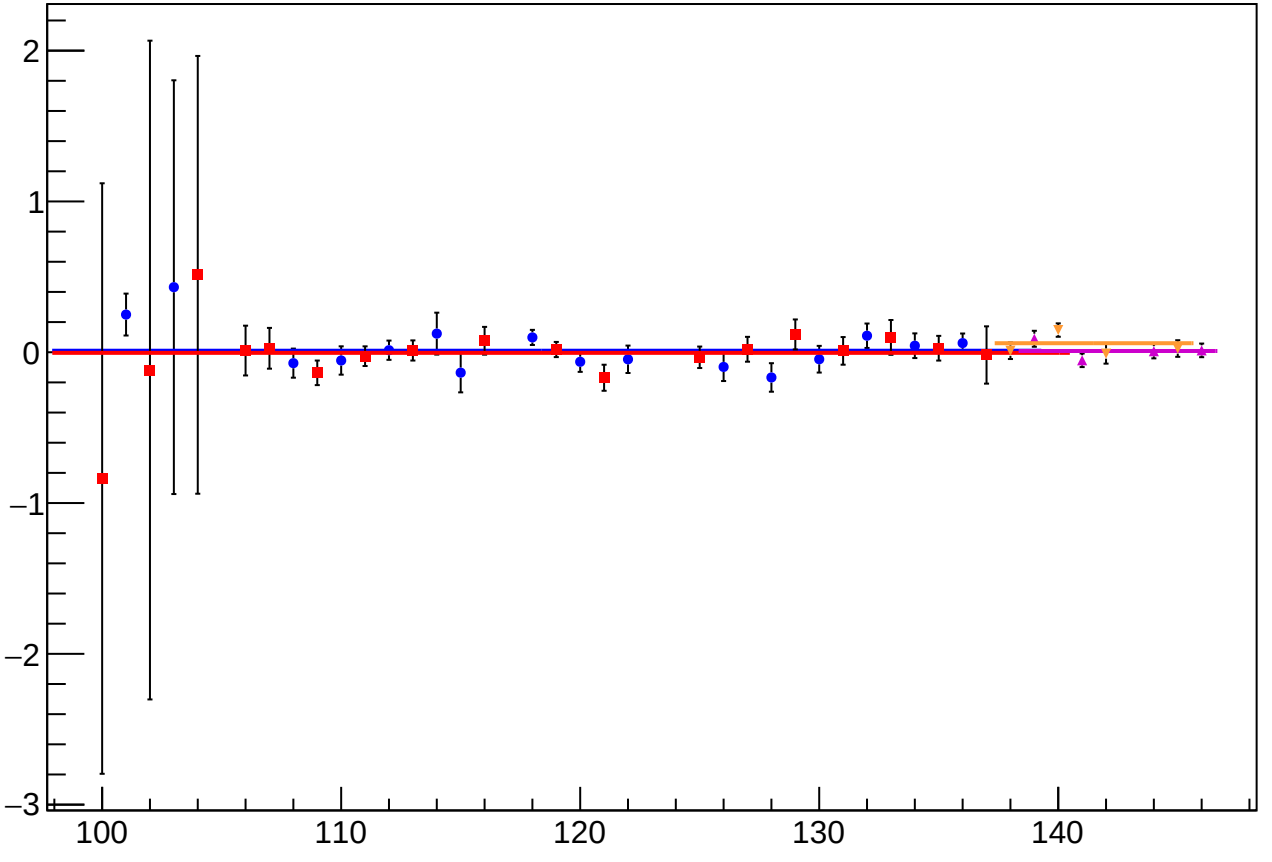
Left In: 40.905+/-0.017 χ^2/NDF:32788.6/3

+ sign 46.373+/-0.012 χ^2/NDF: 1929673.0/19

All: 45.442+/-0.008 χ^2/NDF: 4480608.8/41

- sign 44.576+/-0.011 χ^2/NDF: 2538657.0/21

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: 0.060+/-0.027 χ^2/NDF:6.2/3

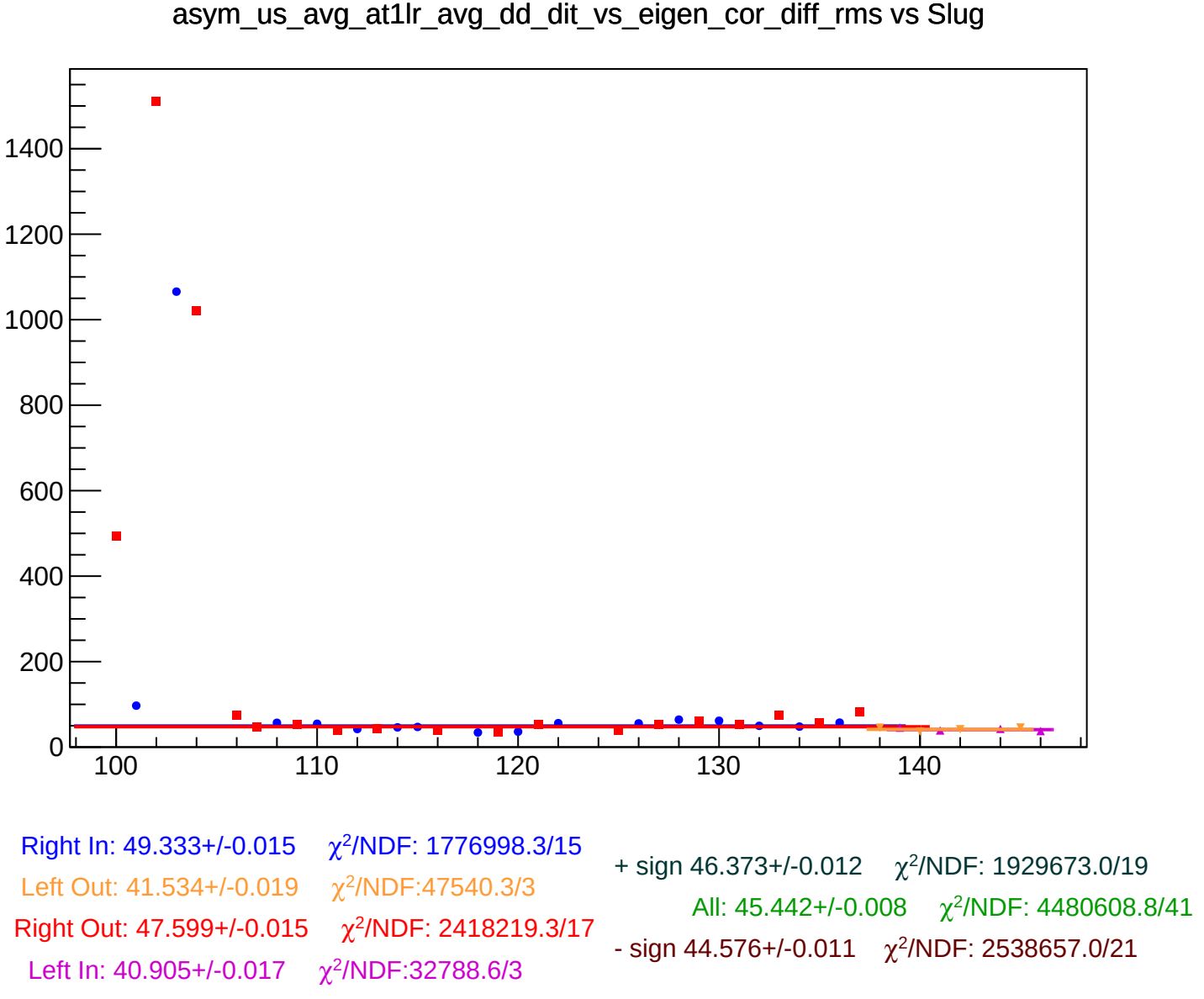
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

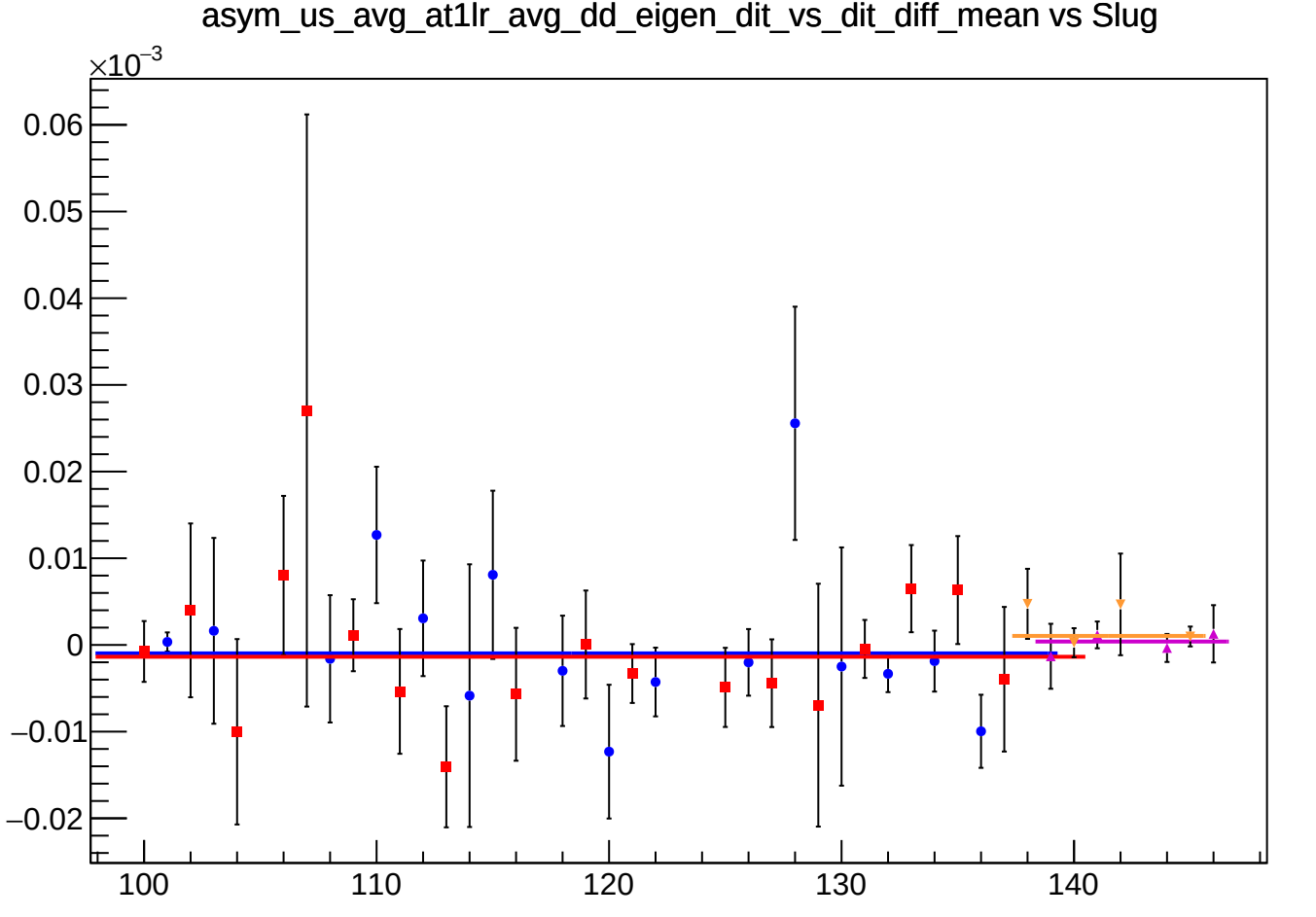
Left In: 0.008+/-0.024 χ^2/NDF:4.2/3

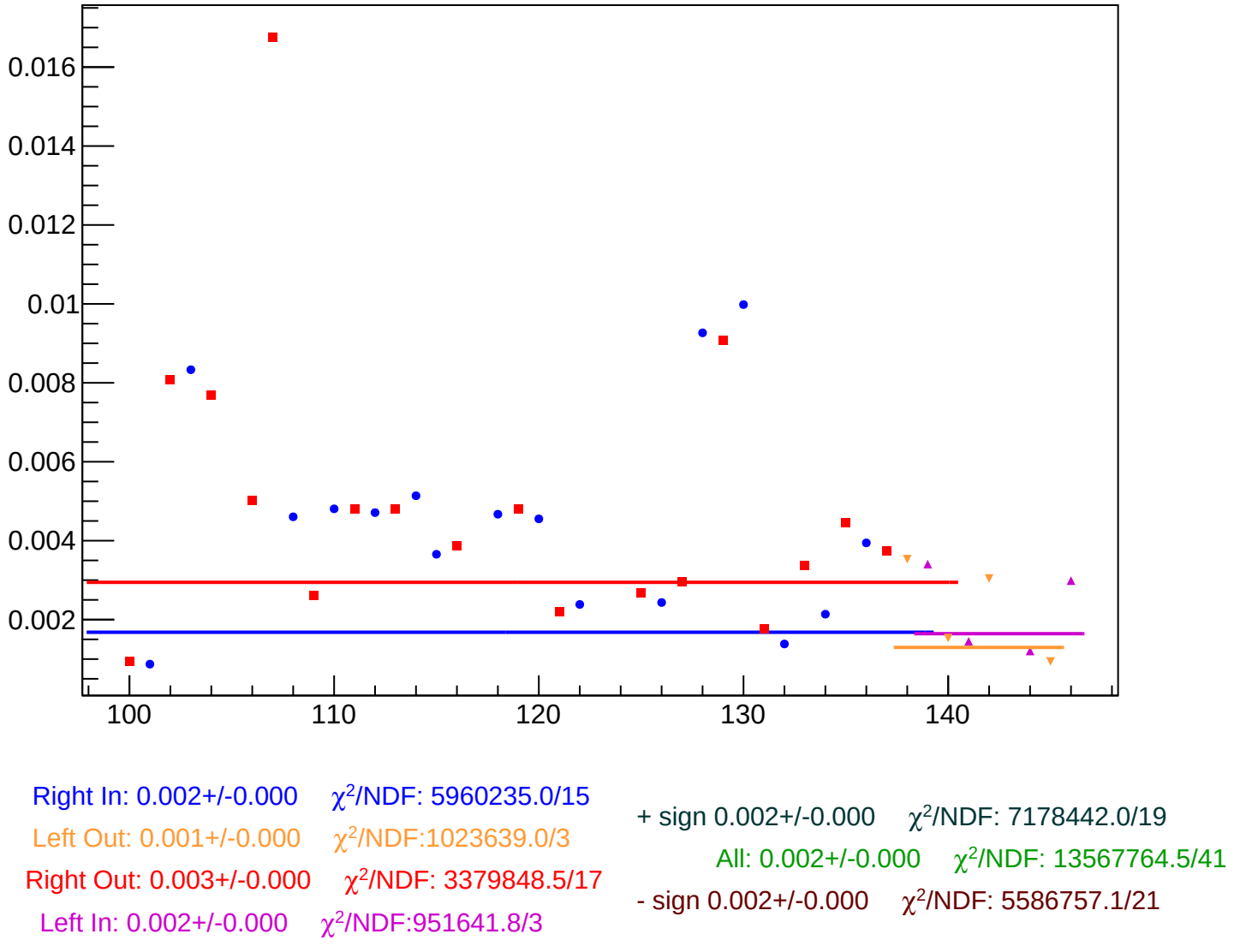
+ sign 0.029+/-0.017 χ^2/NDF: 26.8/19

All: 0.015+/-0.011 χ^2/NDF: 43.0/41

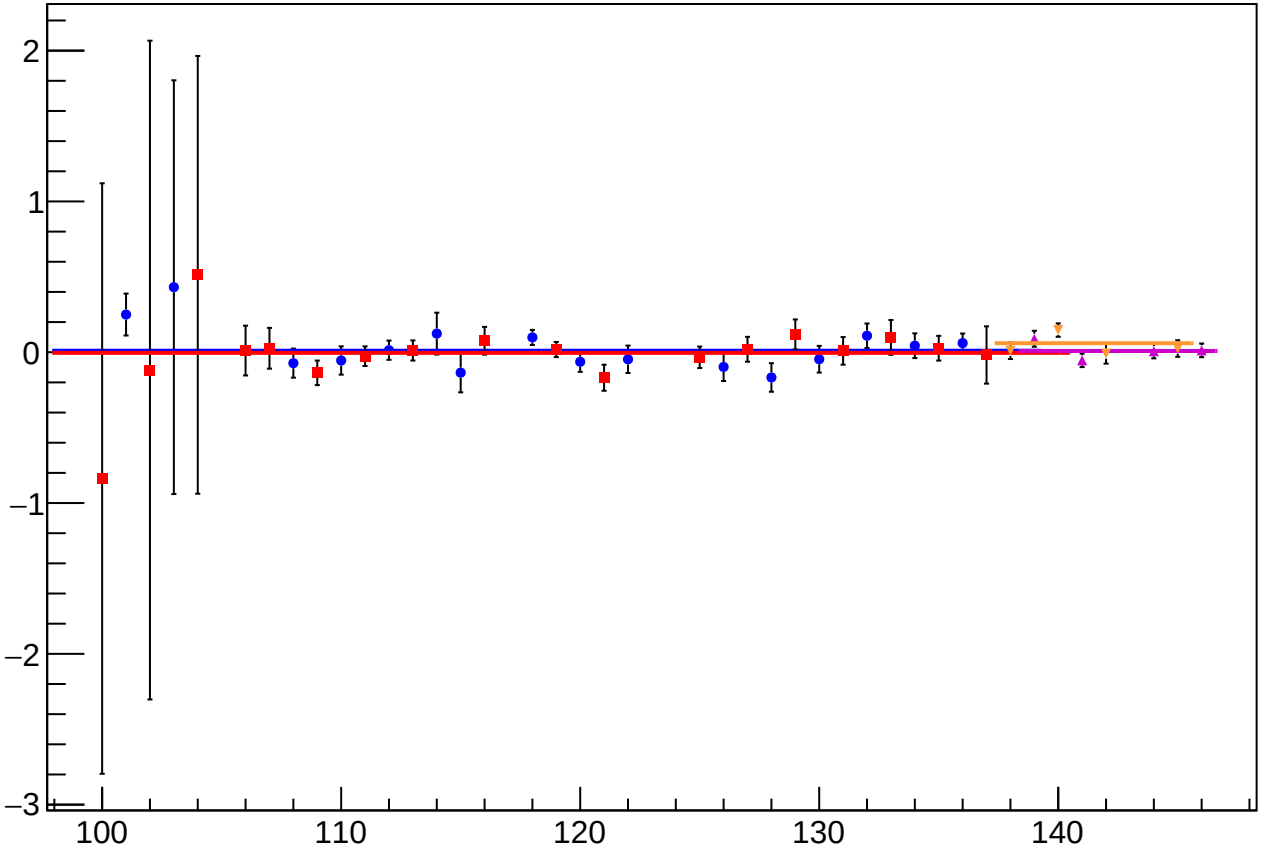
- sign 0.002+/-0.016 χ^2/NDF: 14.9/21


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 41.534+/-0.019 χ²/NDF:47540.3/3
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 40.905+/-0.017 χ²/NDF:32788.6/3
+ sign 46.373+/-0.012 χ²/NDF: 1929673.0/19
All: 45.442+/-0.008 χ²/NDF: 4480608.8/41
- sign 44.576+/-0.011 χ²/NDF: 2538657.0/21


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:0.7/3
+ sign -0.000+/-0.000 χ²/NDF: 22.8/19
All: -0.000+/-0.000 χ²/NDF: 37.3/41
- sign -0.000+/-0.000 χ²/NDF: 14.5/21


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:1023639.0/3
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:951641.8/3
+ sign 0.002+/-0.000 χ²/NDF: 7178442.0/19
All: 0.002+/-0.000 χ²/NDF: 13567764.5/41
- sign 0.002+/-0.000 χ²/NDF: 5586757.1/21

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: 0.060+/-0.027 χ^2/NDF:6.2/3

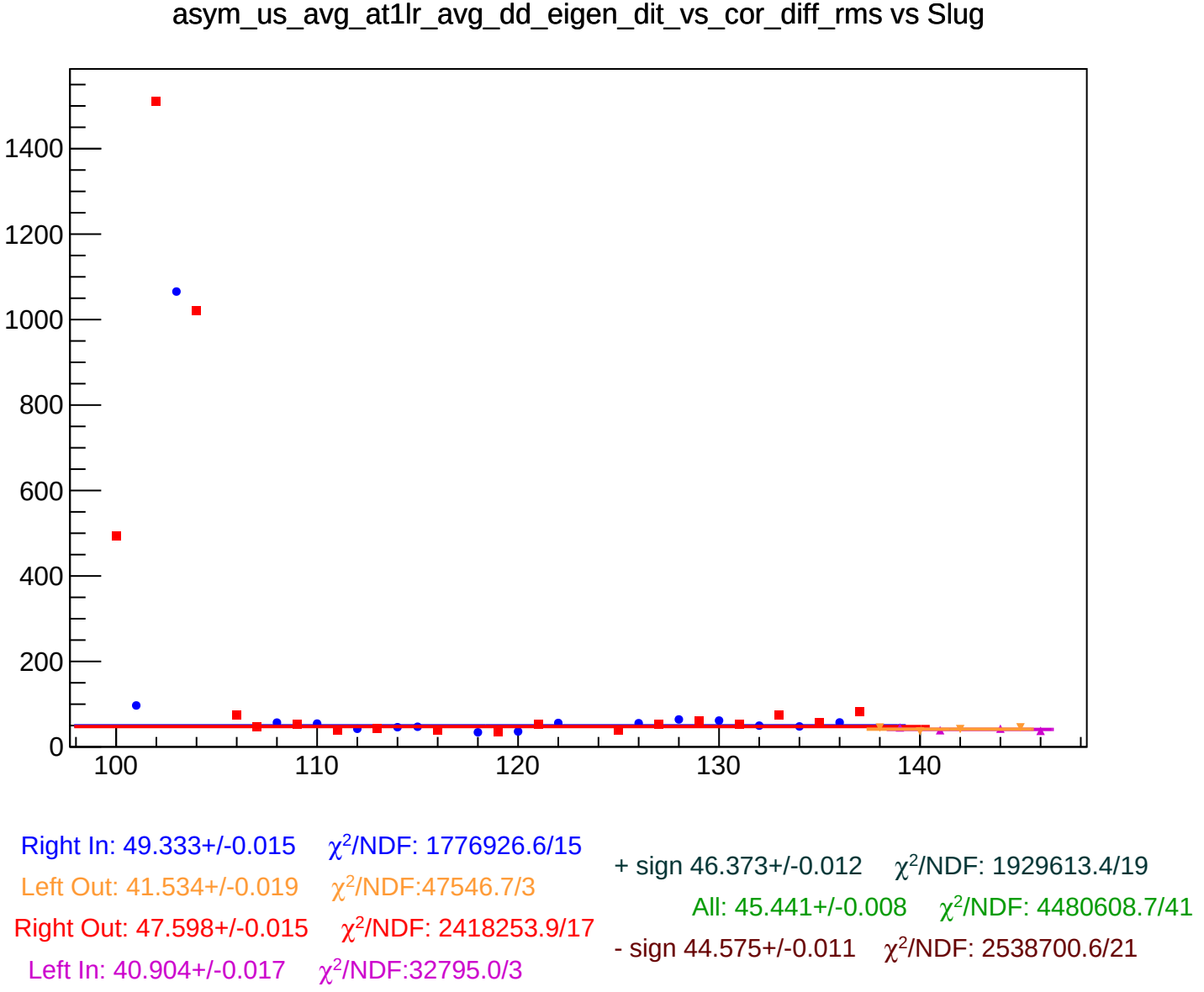
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.008+/-0.024 χ^2/NDF:4.2/3

+ sign 0.029+/-0.017 χ^2/NDF: 26.7/19

All: 0.015+/-0.011 χ^2/NDF: 43.0/41

- sign 0.002+/-0.016 χ^2/NDF: 14.9/21


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
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110
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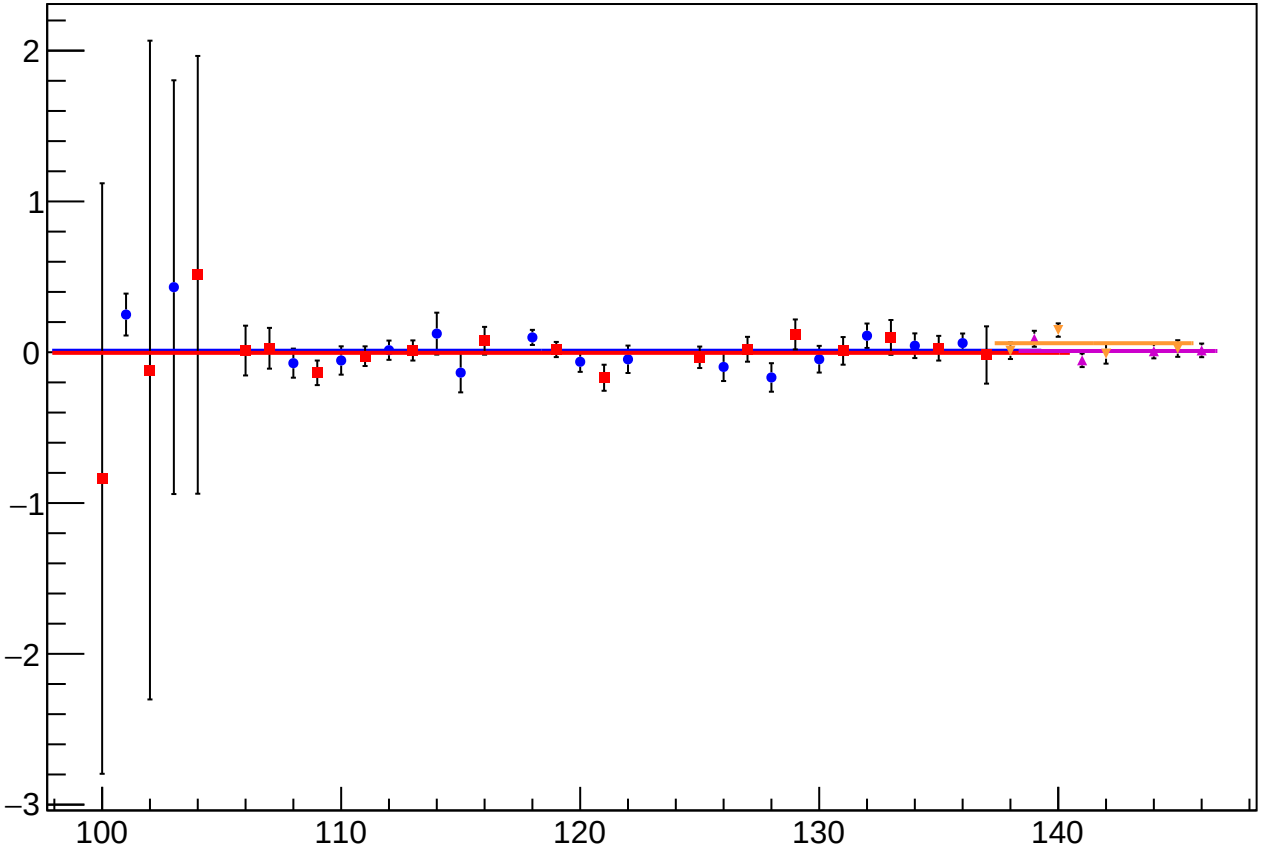
130
140
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 41.534+/-0.019 χ²/NDF:47546.7/3
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 40.904+/-0.017 χ²/NDF:32795.0/3
+ sign 46.373+/-0.012 χ²/NDF: 1929613.4/19
All: 45.441+/-0.008 χ²/NDF: 4480608.7/41
- sign 44.575+/-0.011 χ²/NDF: 2538700.6/21

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: 0.060+/-0.027 χ^2/NDF:6.2/3

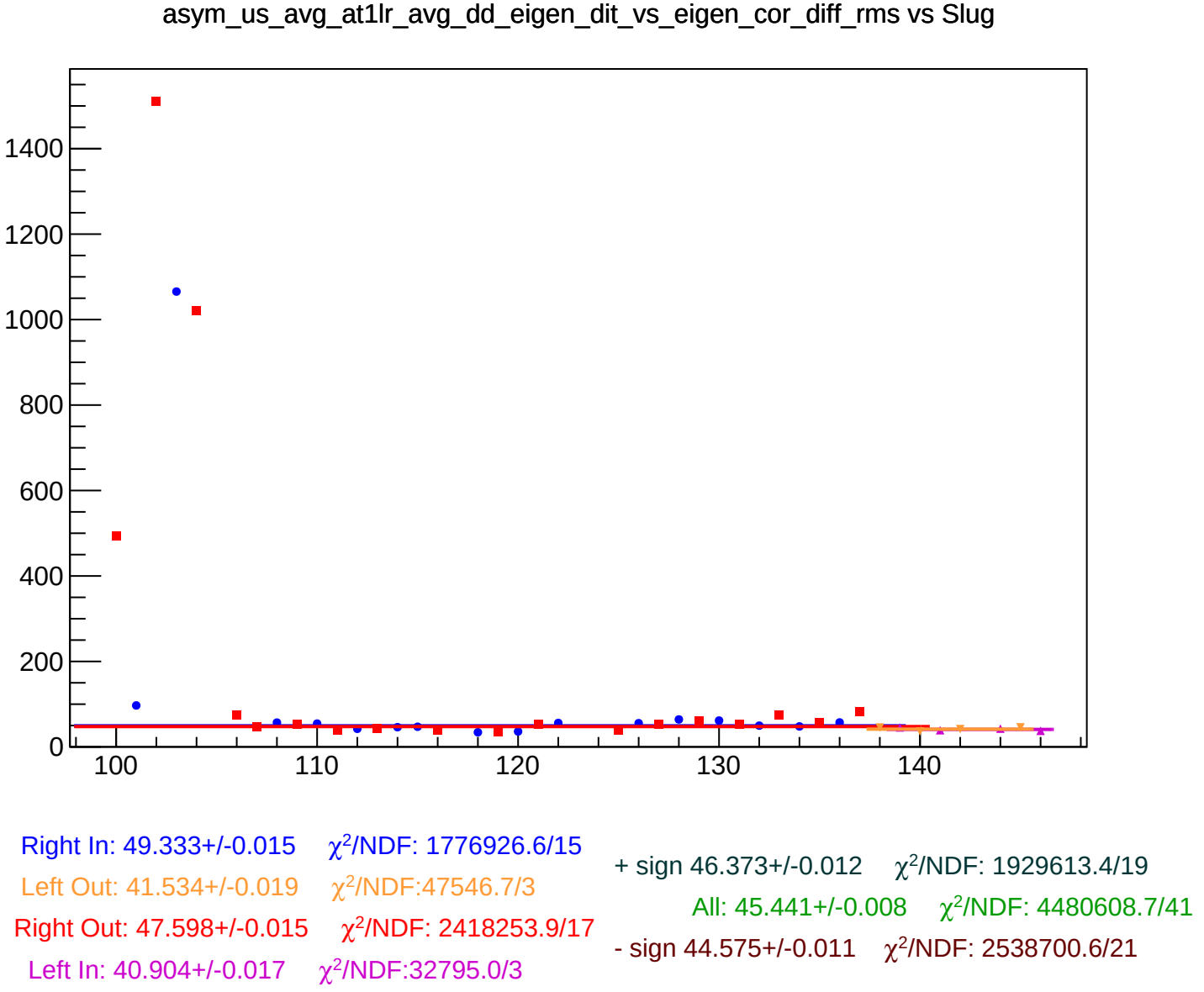
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.008+/-0.024 χ^2/NDF:4.2/3

+ sign 0.029+/-0.017 χ^2/NDF: 26.7/19

All: 0.015+/-0.011 χ^2/NDF: 43.0/41

- sign 0.002+/-0.016 χ^2/NDF: 14.9/21


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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100
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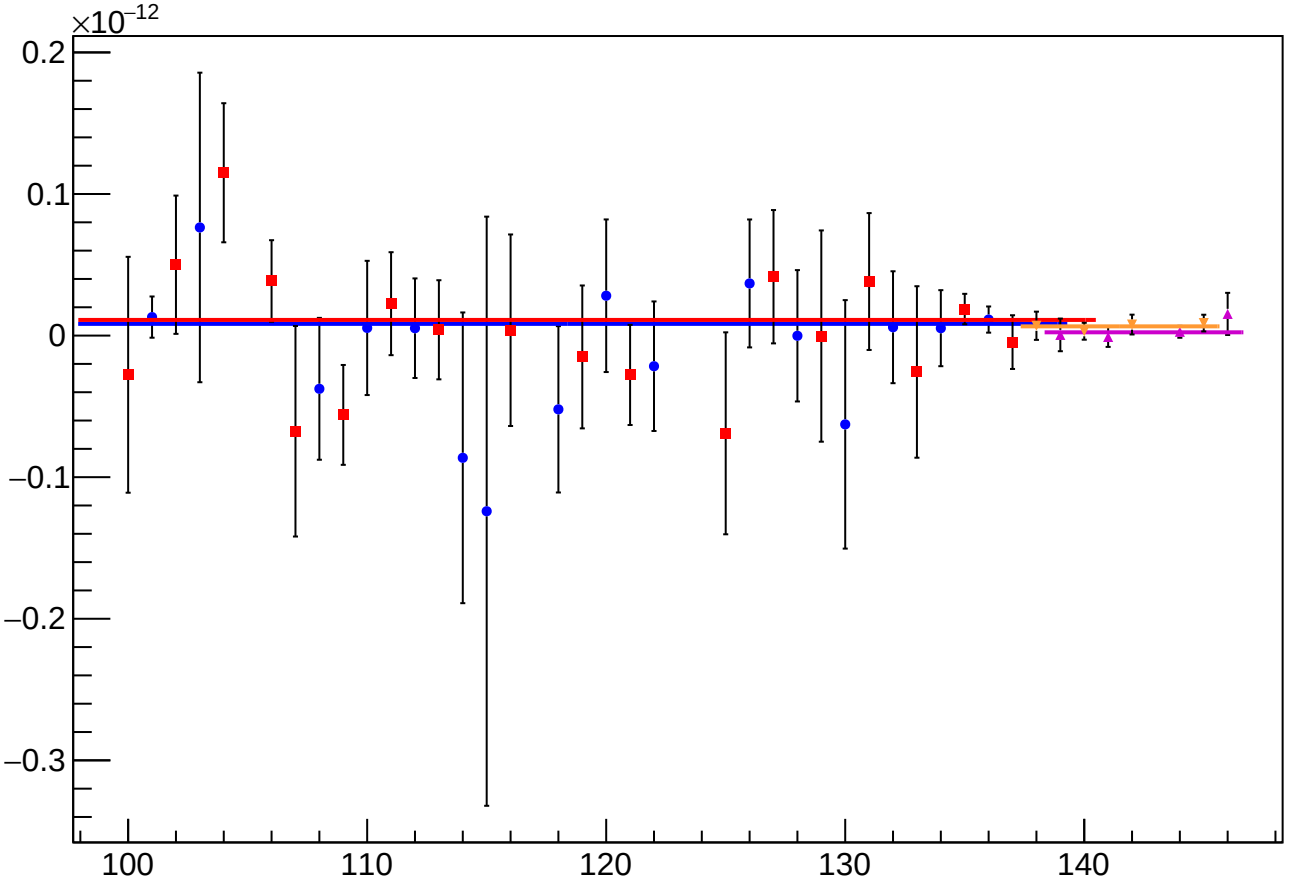
120
130
140
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 41.534+/-0.019 χ²/NDF:47546.7/3
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 40.904+/-0.017 χ²/NDF:32795.0/3
+ sign 46.373+/-0.012 χ²/NDF: 1929613.4/19
All: 45.441+/-0.008 χ²/NDF: 4480608.7/41
- sign 44.575+/-0.011 χ²/NDF: 2538700.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

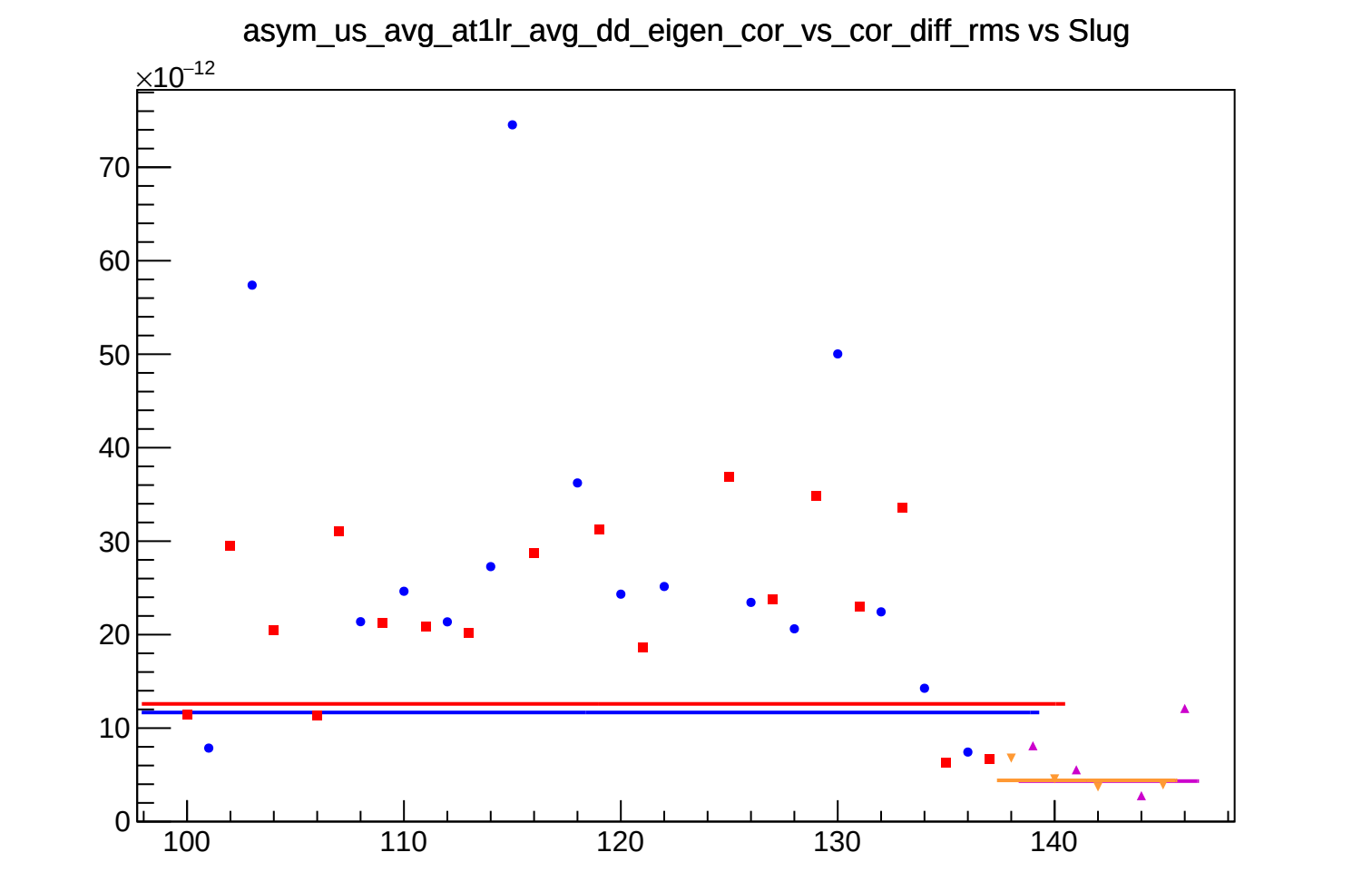
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 6.0/19

All: 0.000+/-0.000 χ^2/NDF: 24.9/41

- sign 0.000+/-0.000 χ^2/NDF: 18.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:149005.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

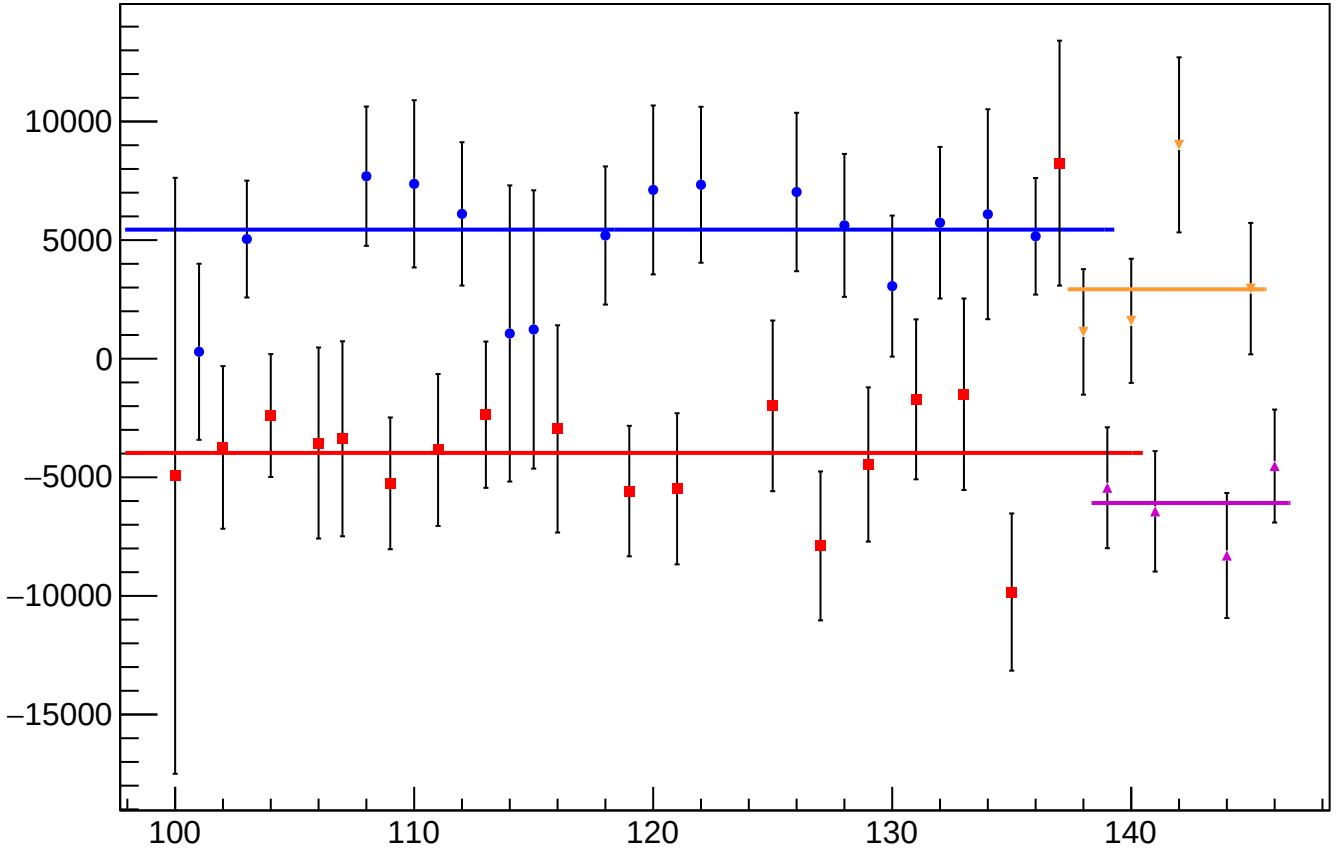
Left In: 0.000+/-0.000 χ^2/NDF:1095863.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 4941358.8/19

All: 0.000+/-0.000 χ^2/NDF: 11110063.1/41

- sign 0.000+/-0.000 χ^2/NDF: 6167618.2/21

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2927.242+/-1424.735 χ^2/NDF:3.4/3

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

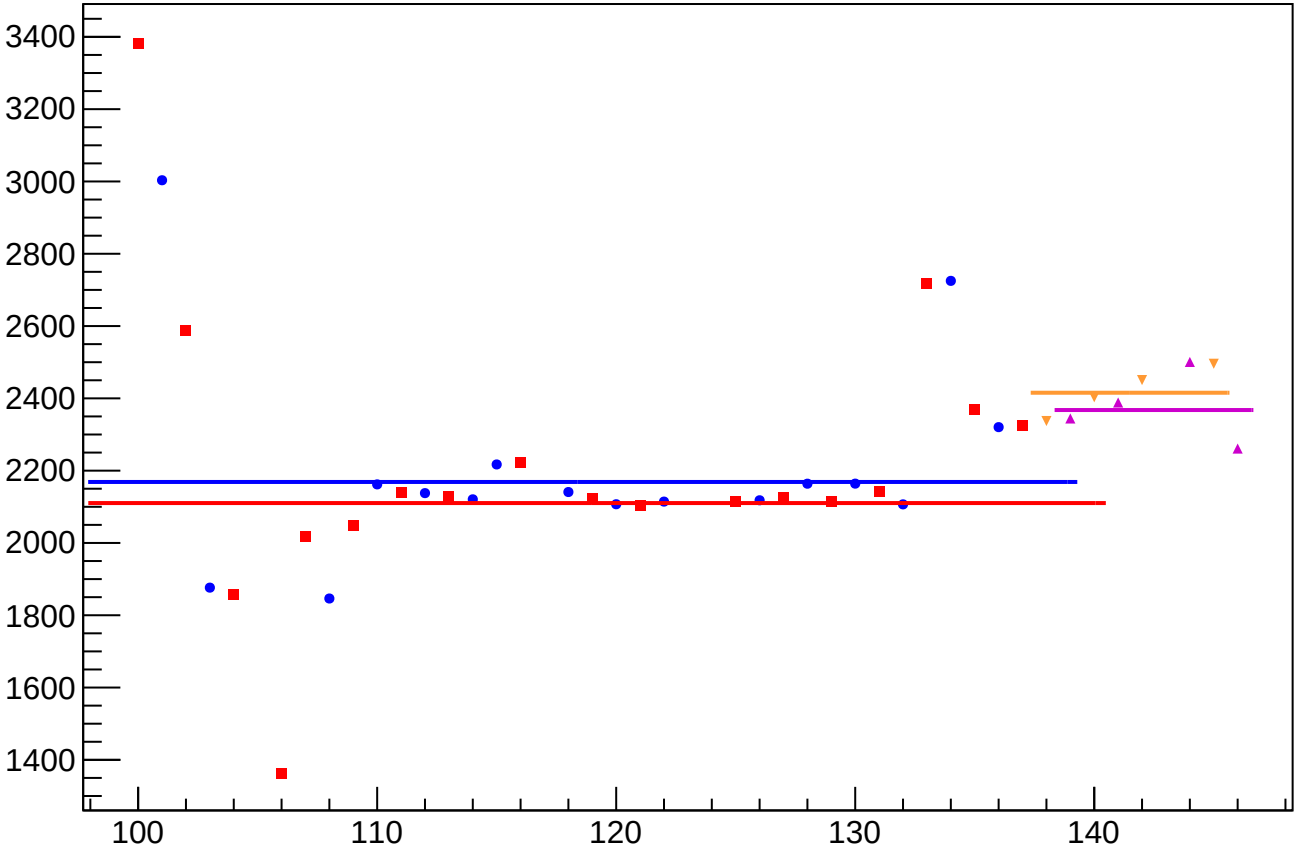
Left In: -6082.588+/-1260.601 χ^2/NDF:1.2/3

\+ sign 4825.072+/-705.818 χ^2/NDF: 11.2/19

All: -50.525+/-490.029 χ^2/NDF: 119.4/41

\- sign -4587.514+/-680.868 χ^2/NDF: 16.2/21

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2415.567+/-1.007 χ^2/NDF:3650.2/3

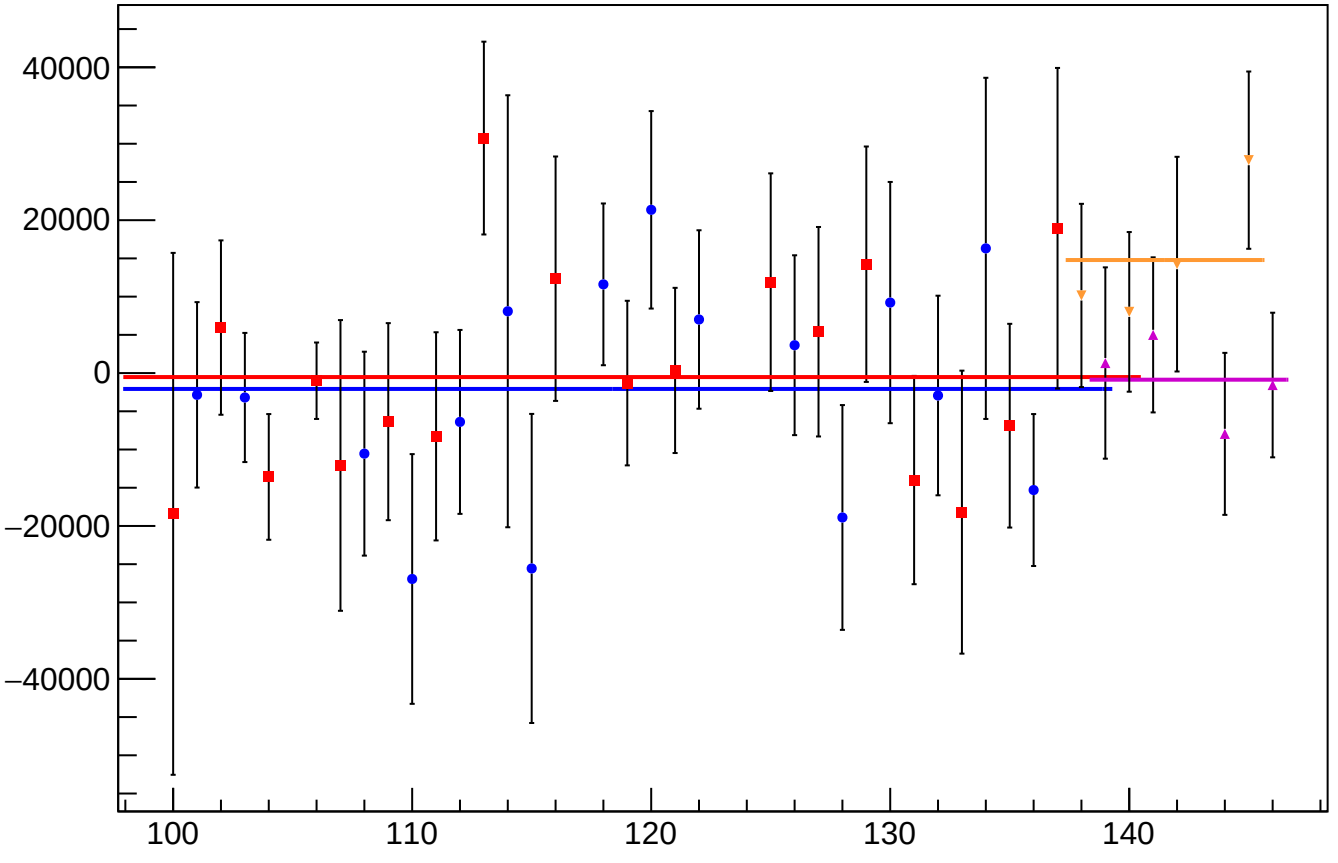
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

+ sign 2229.299+/-0.499 χ^2/NDF: 244613.7/19

All: 2205.443+/-0.344 χ^2/NDF: 585376.5/41

- sign 2183.745+/-0.476 χ^2/NDF: 336400.2/21



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 14787.711+/-5908.892 χ^2/NDF:1.8/3

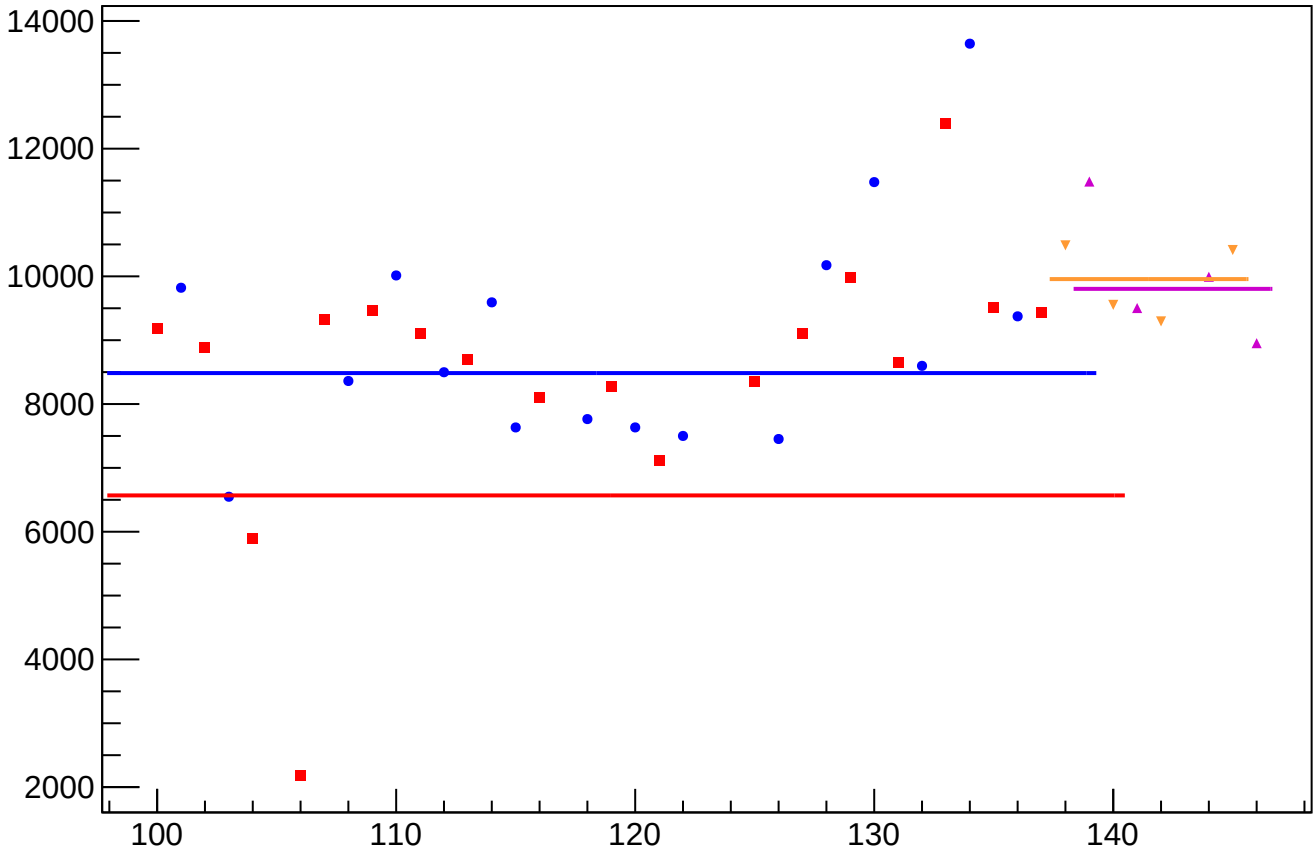
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -866.082+/-5256.886 χ^2/NDF:0.8/3

+ sign 1771.504+/-2822.075 χ^2/NDF: 22.6/19

All: 404.853+/-1833.848 χ^2/NDF: 39.5/41

- sign -594.047+/-2412.686 χ^2/NDF: 16.5/21



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9957.164+/-4.178 χ^2/NDF:14415.7/3

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

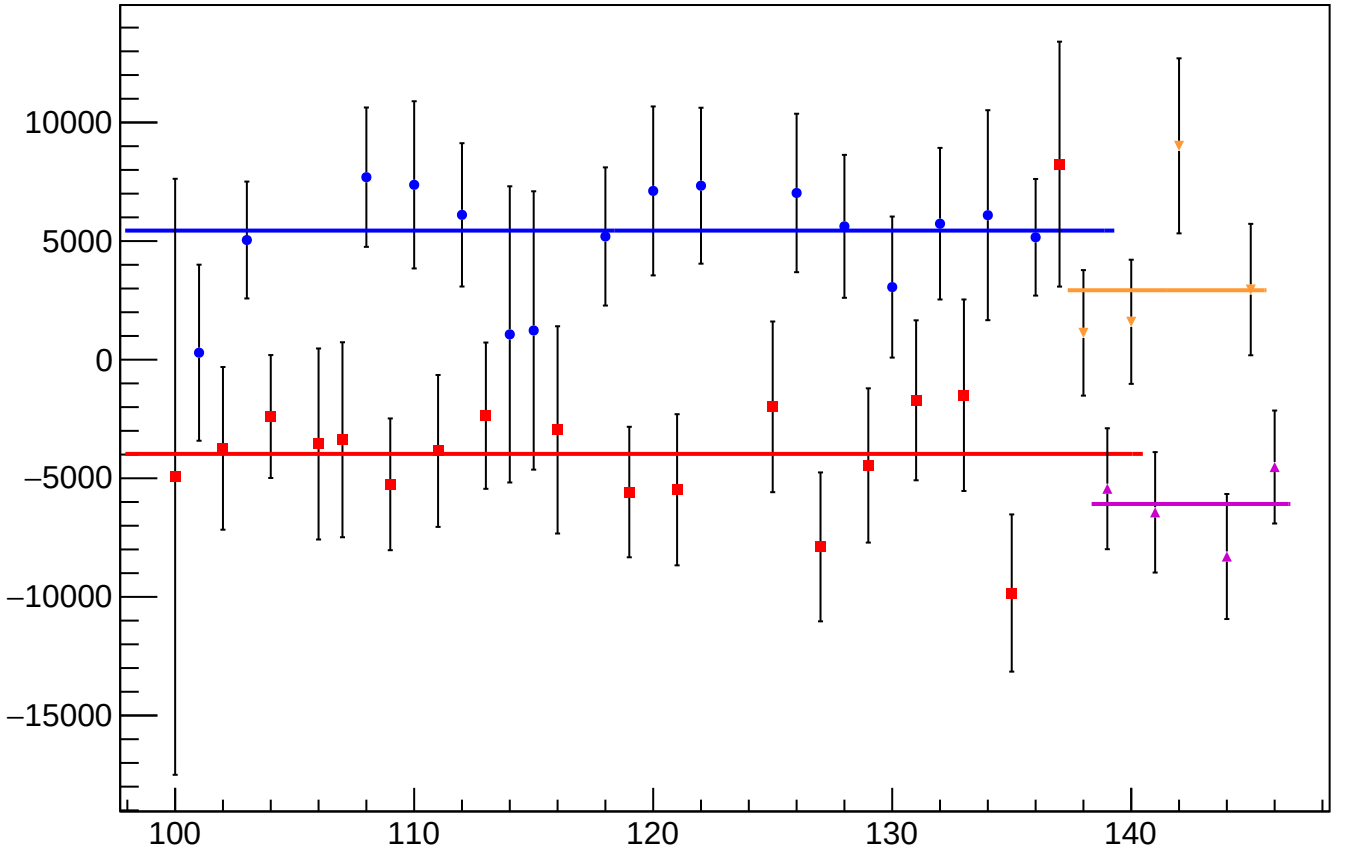
Left In: 9804.026+/-3.717 χ^2/NDF:54648.6/3

+ sign 8820.800+/-1.996 χ^2/NDF: 532949.7/19

All: 7913.418+/-1.297 χ^2/NDF: 4112345.0/41

- sign 7250.203+/-1.706 χ^2/NDF: 3221506.8/21

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2927.400+/-1424.735 χ^2/NDF:3.4/3

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

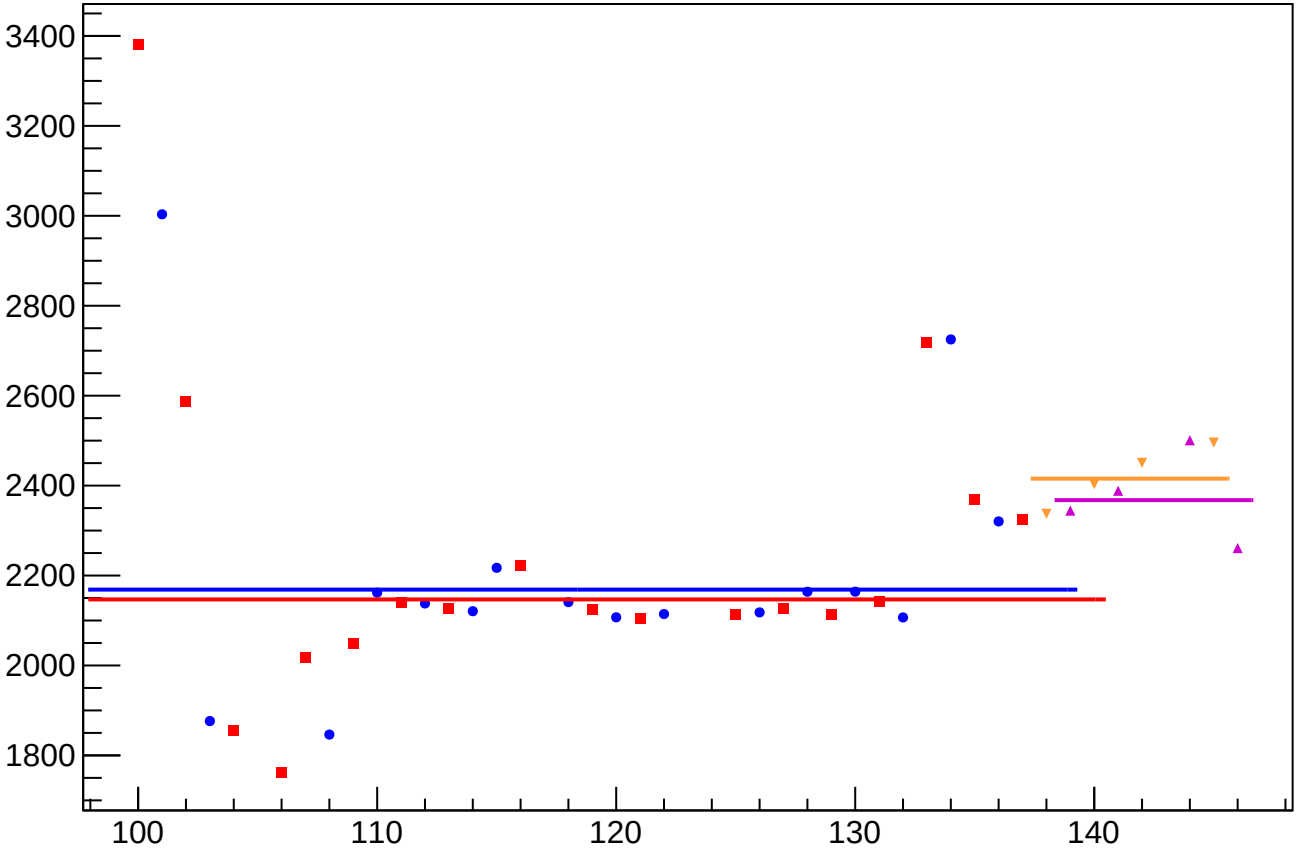
Left In: -6082.898+/-1260.601 χ^2/NDF:1.2/3

+ sign 4825.217+/-705.818 χ^2/NDF: 11.2/19

All: -50.407+/-490.029 χ^2/NDF: 119.4/41

- sign -4587.421+/-680.868 χ^2/NDF: 16.2/21

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2415.567+/-1.007 χ^2/NDF:3650.2/3

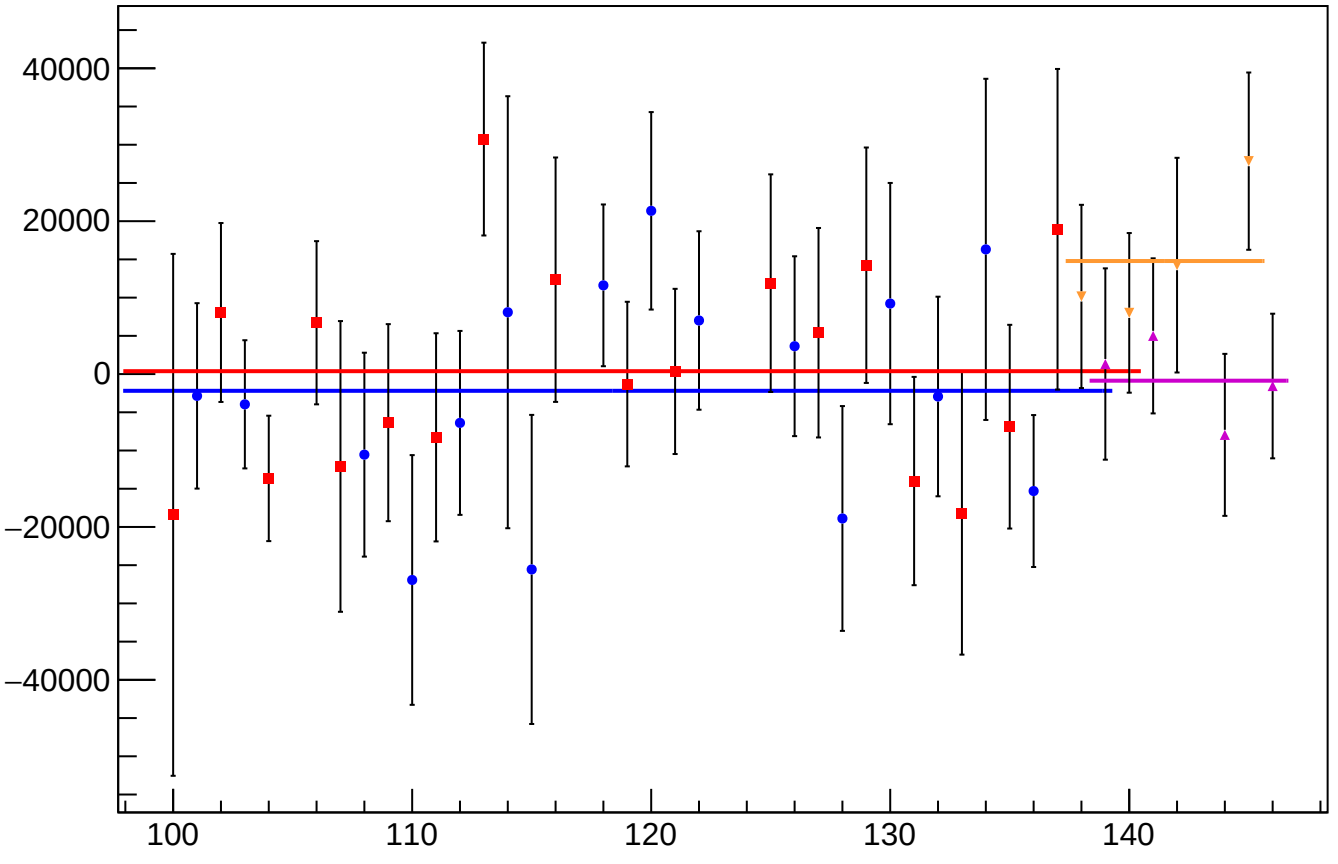
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

+ sign 2229.299+/-0.499 χ^2/NDF: 244614.1/19

All: 2219.711+/-0.346 χ^2/NDF: 456072.6/41

- sign 2210.852+/-0.480 χ^2/NDF: 210748.5/21



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 14787.806+/-5908.882 χ^2/NDF:1.8/3

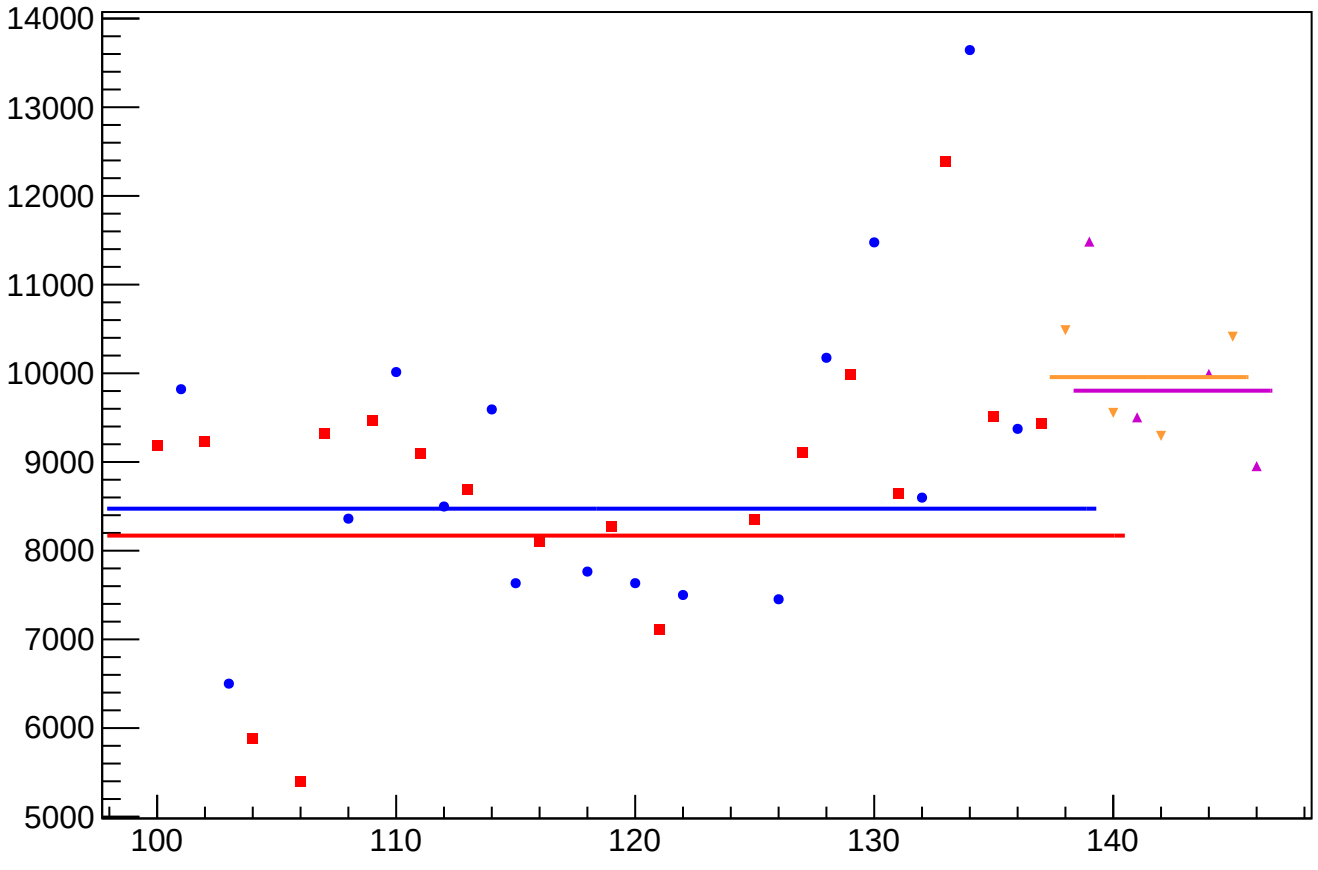
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -866.165+/-5256.883 χ^2/NDF:0.8/3

\+ sign 1676.578+/-2819.653 χ^2/NDF: 22.7/19

All: 823.222+/-1938.819 χ^2/NDF: 40.0/41

\- sign 57.902+/-2670.252 χ^2/NDF: 17.2/21



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9957.147+/-4.178 χ^2/NDF:14416.0/3

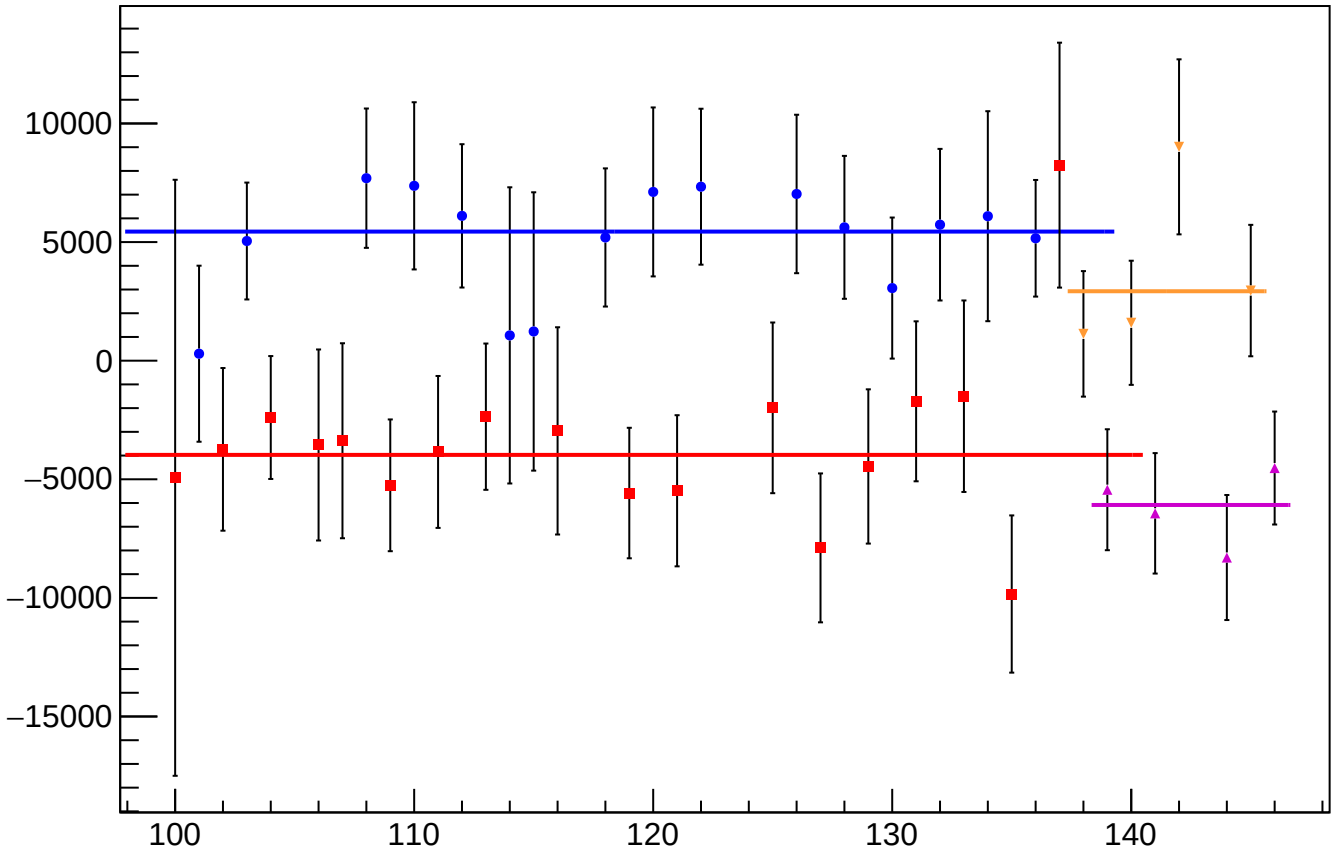
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9804.020+/-3.717 χ^2/NDF:54648.5/3

+ sign 8811.528+/-1.994 χ^2/NDF: 541309.4/19

All: 8695.596+/-1.371 χ^2/NDF: 1285670.0/41

- sign 8591.625+/-1.888 χ^2/NDF: 737947.4/21



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2927.400+/-1424.735 χ^2/NDF:3.4/3

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

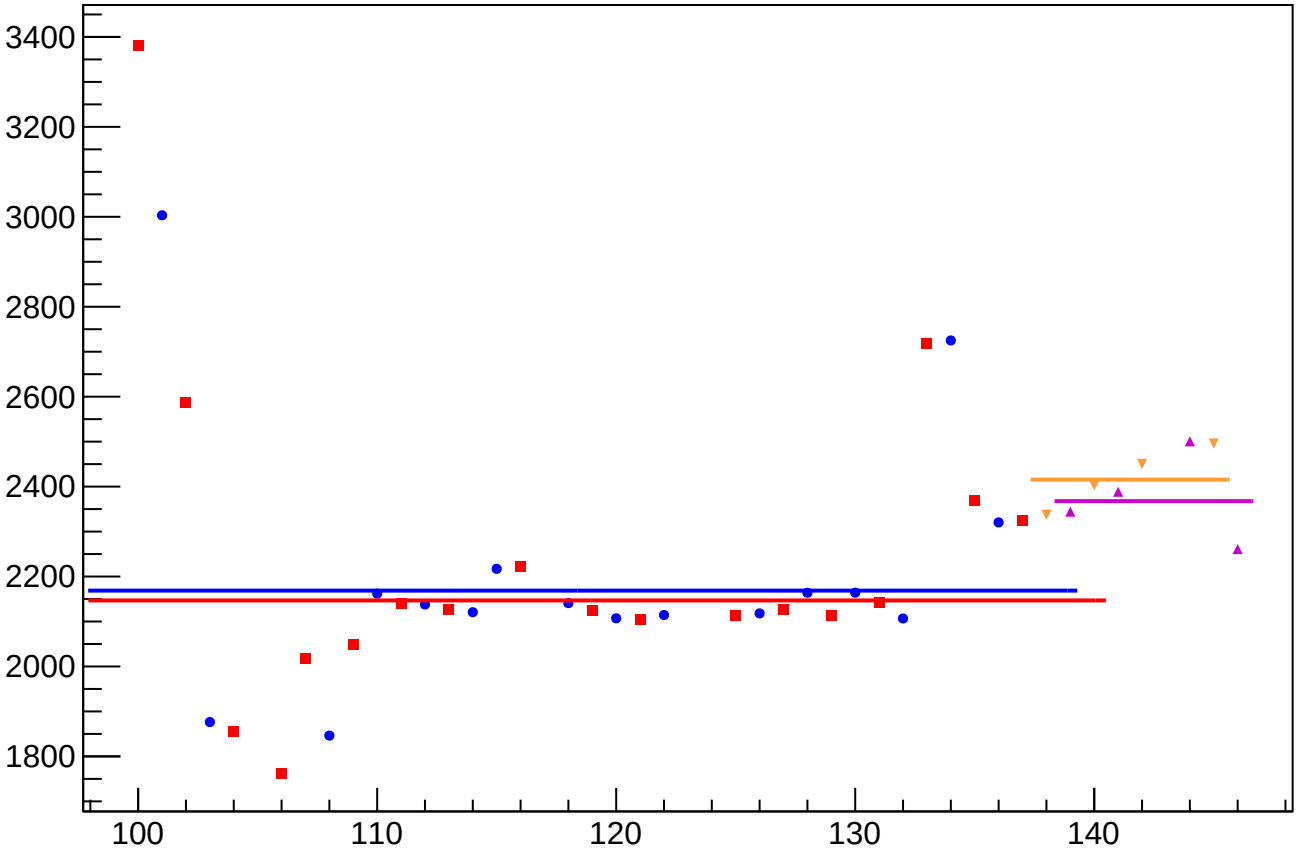
Left In: -6082.898+/-1260.601 χ^2/NDF:1.2/3

+ sign 4825.217+/-705.818 χ^2/NDF: 11.2/19

All: -50.407+/-490.029 χ^2/NDF: 119.4/41

- sign -4587.421+/-680.868 χ^2/NDF: 16.2/21

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2415.567+/-1.007 χ^2/NDF:3650.2/3

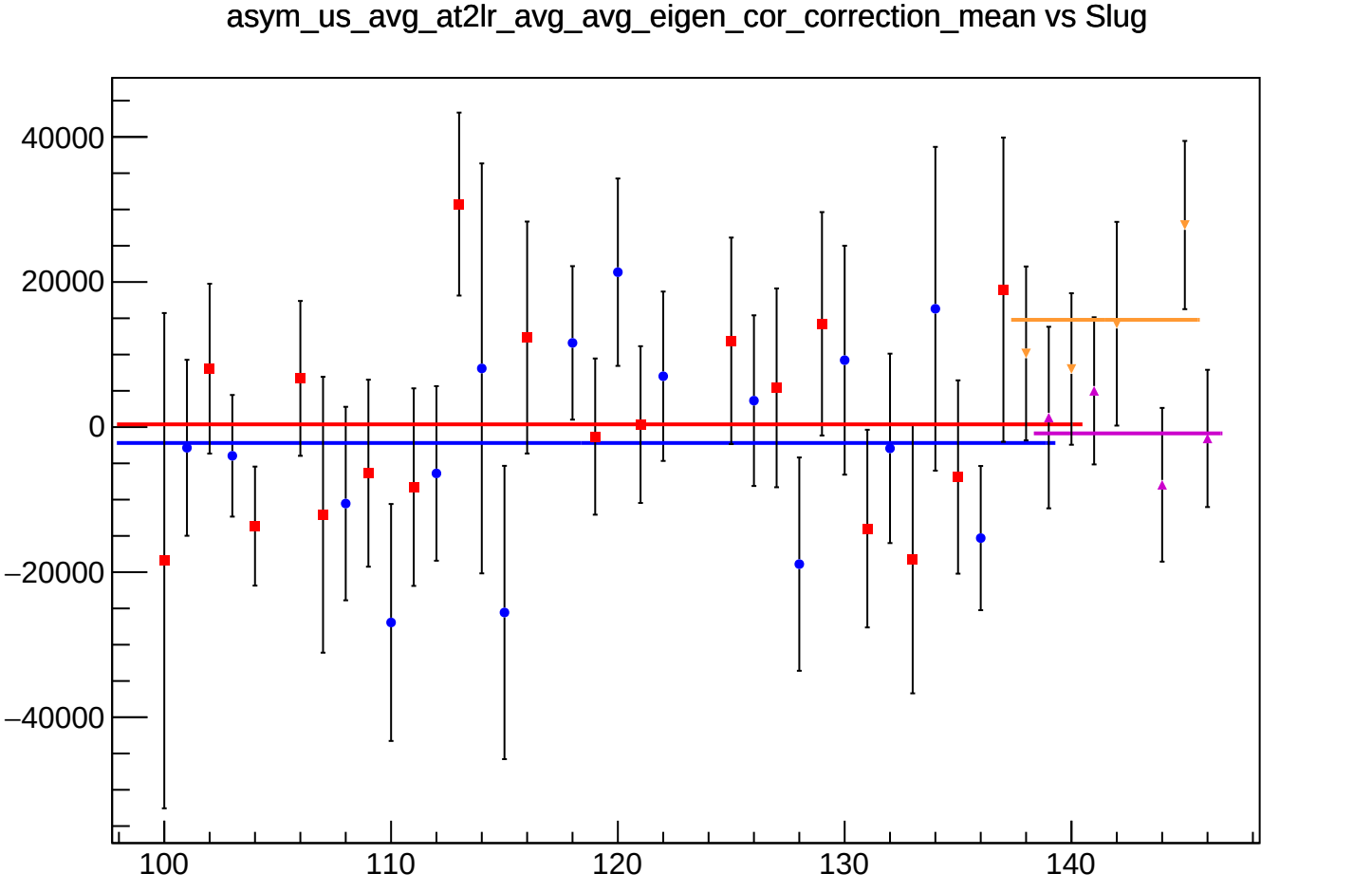
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

+ sign 2229.299+/-0.499 χ^2/NDF: 244614.1/19

All: 2219.711+/-0.346 χ^2/NDF: 456072.6/41

- sign 2210.852+/-0.480 χ^2/NDF: 210748.5/21



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 14787.806+/-5908.882 χ^2/NDF:1.8/3

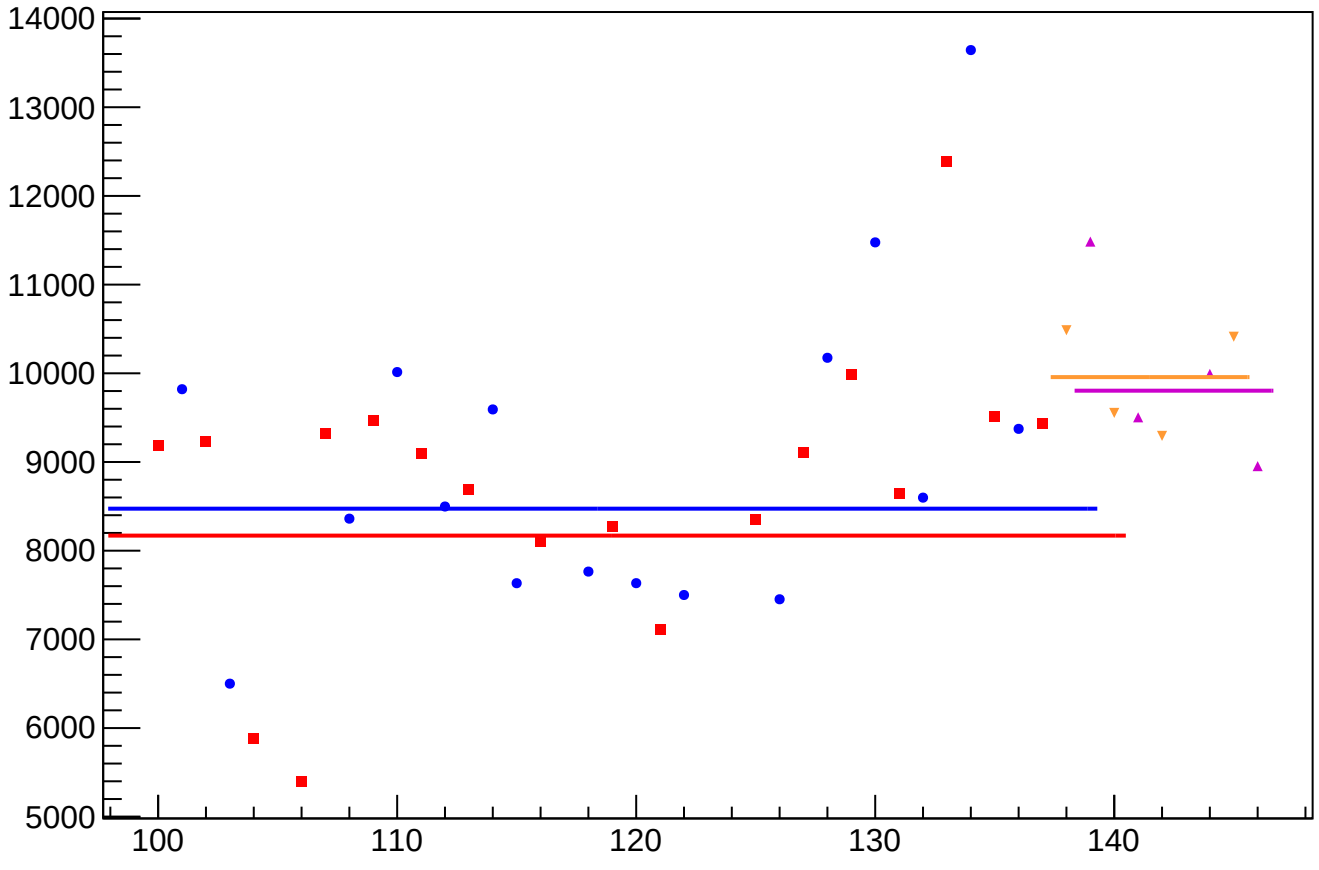
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -866.165+/-5256.883 χ^2/NDF:0.8/3

+ sign 1676.578+/-2819.653 χ^2/NDF: 22.7/19

All: 823.222+/-1938.819 χ^2/NDF: 40.0/41

- sign 57.902+/-2670.252 χ^2/NDF: 17.2/21



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9957.147+/-4.178 χ^2/NDF:14416.0/3

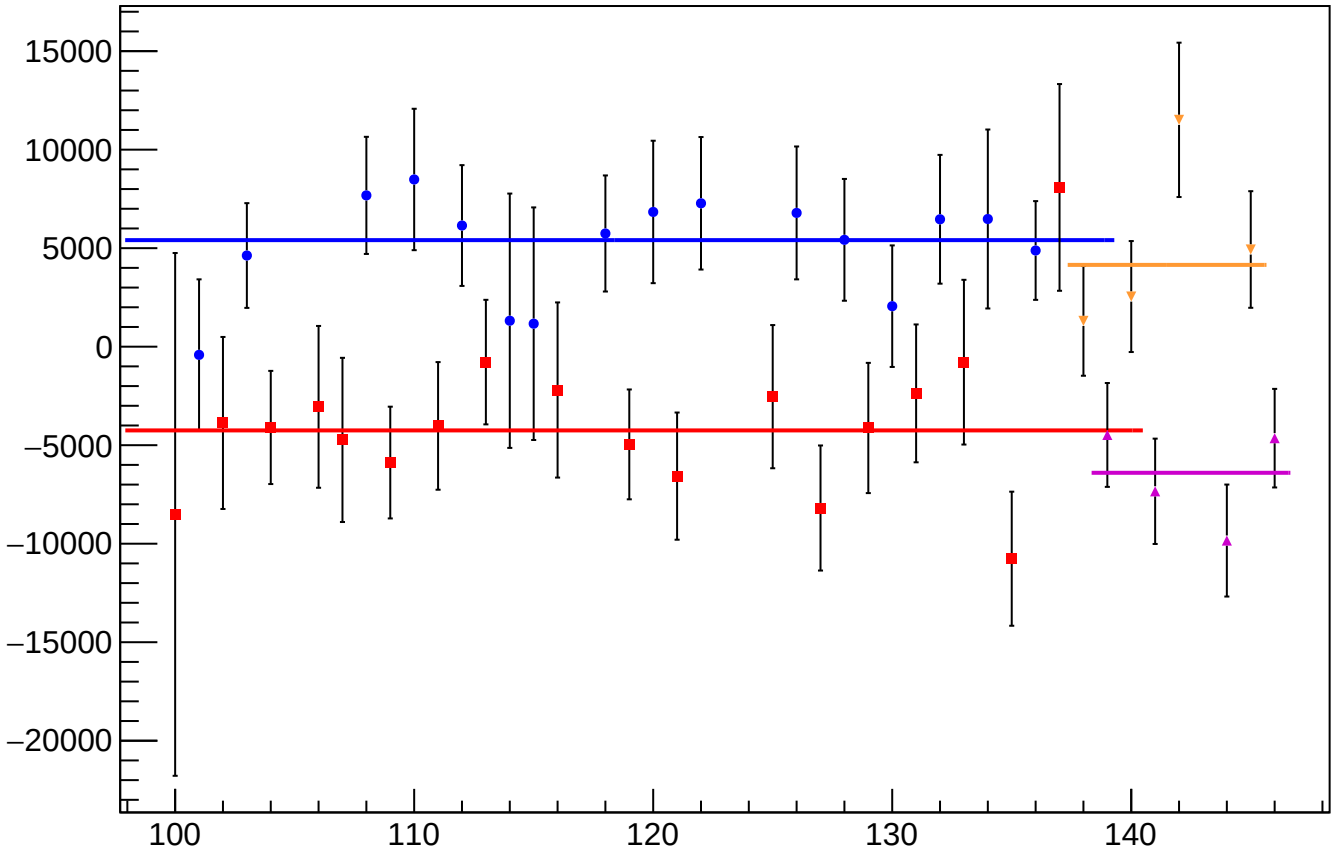
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9804.020+/-3.717 χ^2/NDF:54648.5/3

+ sign 8811.528+/-1.994 χ^2/NDF: 541309.4/19

All: 8695.596+/-1.371 χ^2/NDF: 1285670.0/41

- sign 8591.625+/-1.888 χ^2/NDF: 737947.4/21



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 4151.187+/-1517.285 χ^2/NDF:5.0/3

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

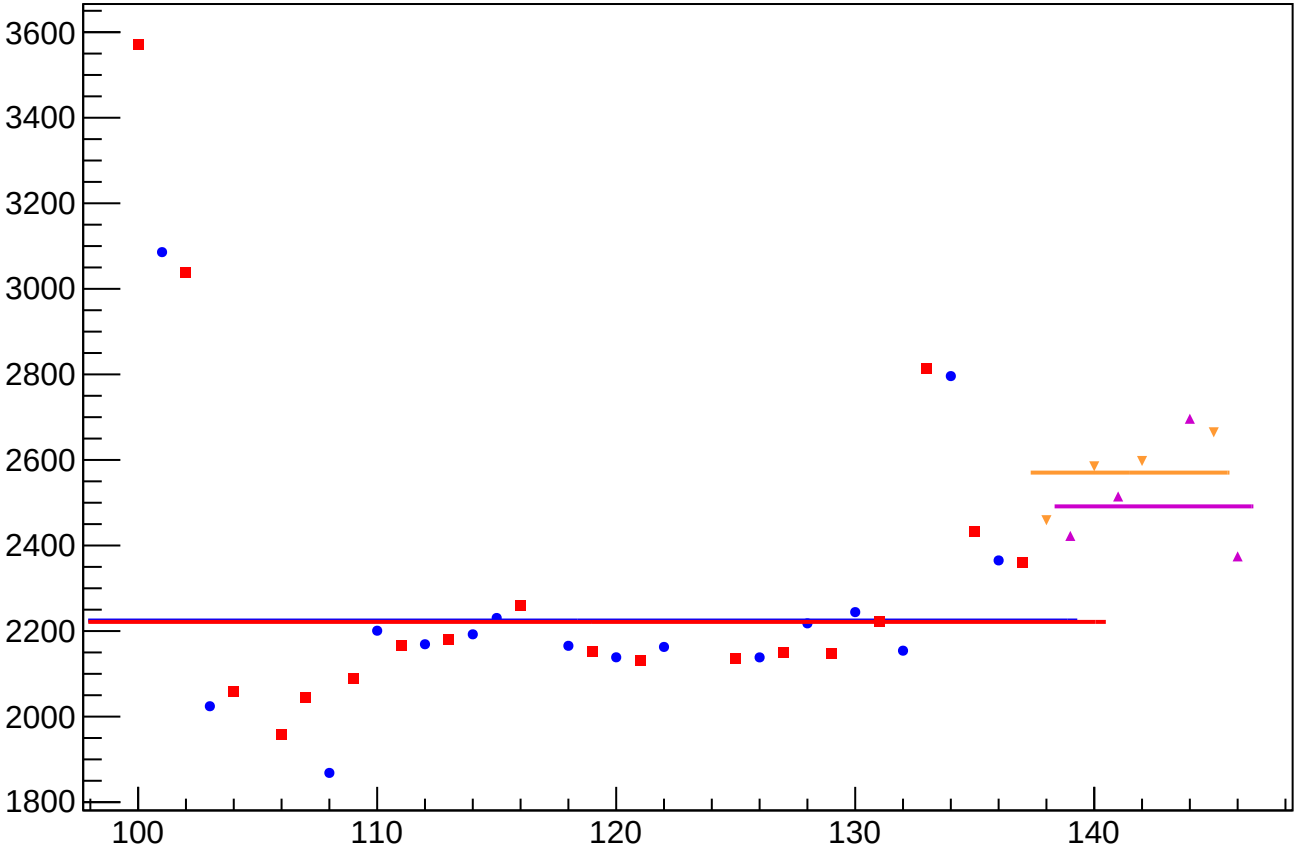
Left In: -6401.140+/-1327.533 χ^2/NDF:2.6/3

+ sign 5116.448+/-730.658 χ^2/NDF: 12.2/19

All: -20.970+/-508.983 χ^2/NDF: 127.2/41

- sign -4864.256+/-709.433 χ^2/NDF: 19.0/21

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2570.433+/-1.073 χ^2/NDF:5370.7/3

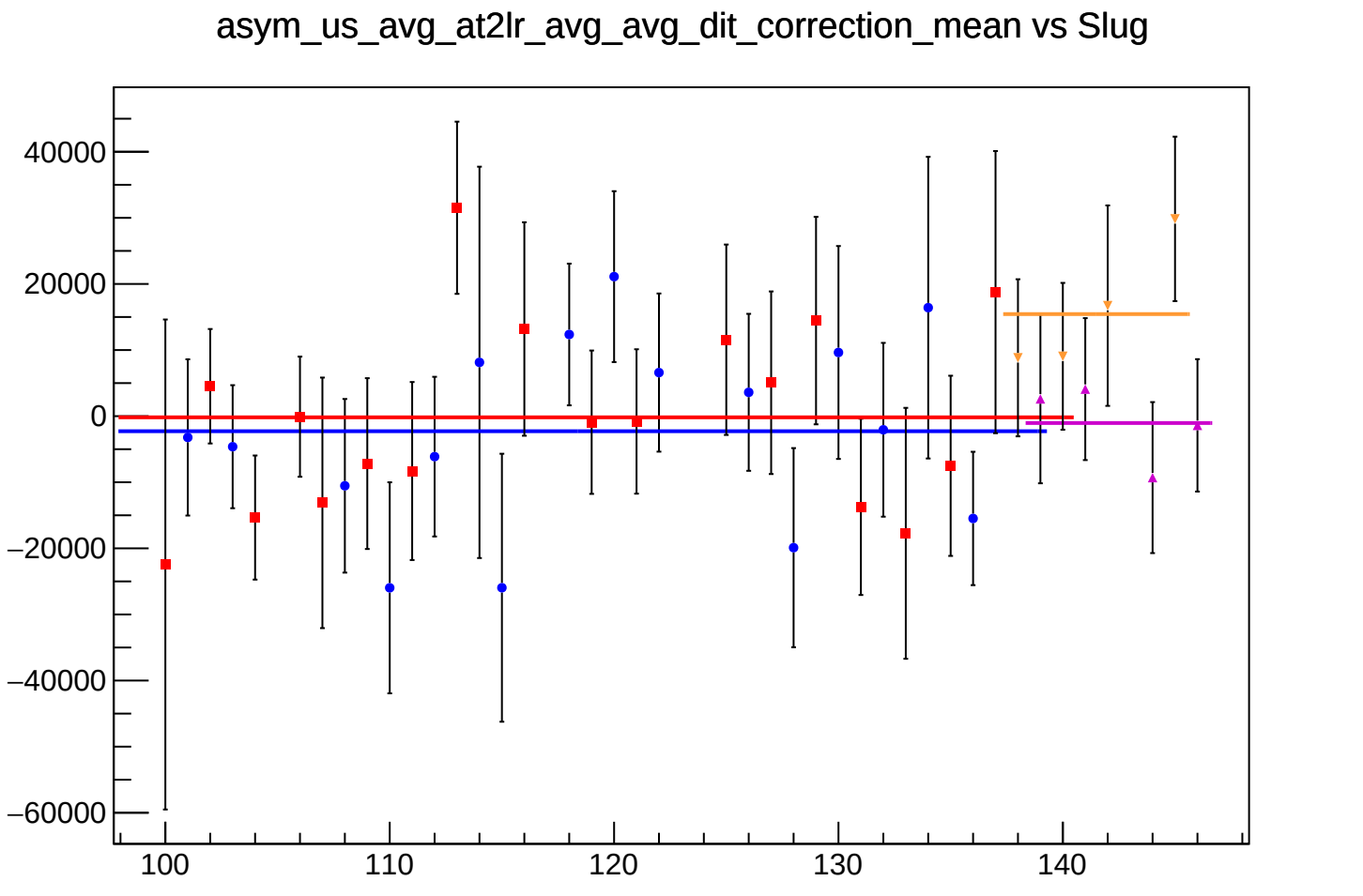
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2491.475+/-0.939 χ^2/NDF:16280.1/3

+ sign 2304.808+/-0.517 χ^2/NDF: 269852.6/19

All: 2301.549+/-0.360 χ^2/NDF: 515301.1/41

- sign 2298.479+/-0.501 χ^2/NDF: 245371.2/21



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 15441.501+/-6201.473 χ^2/NDF:2.0/3

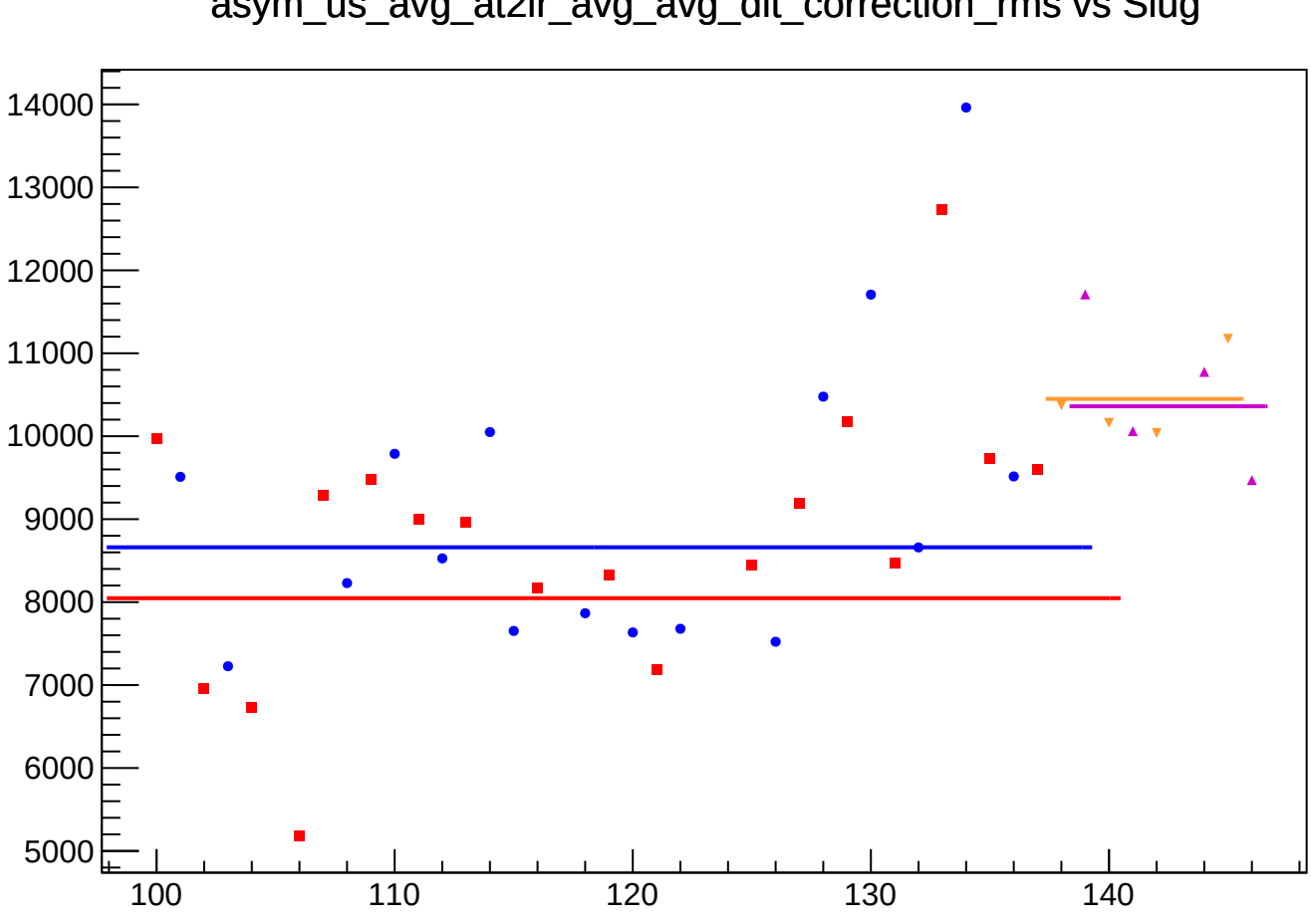
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -1036.801+/-5551.770 χ^2/NDF:0.8/3

+ sign 1579.784+/-2893.726 χ^2/NDF: 22.9/19

All: 521.533+/-1959.639 χ^2/NDF: 39.6/41

- sign -374.885+/-2663.288 χ^2/NDF: 16.5/21



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10450.109+/-4.385 χ^2/NDF:9701.1/3

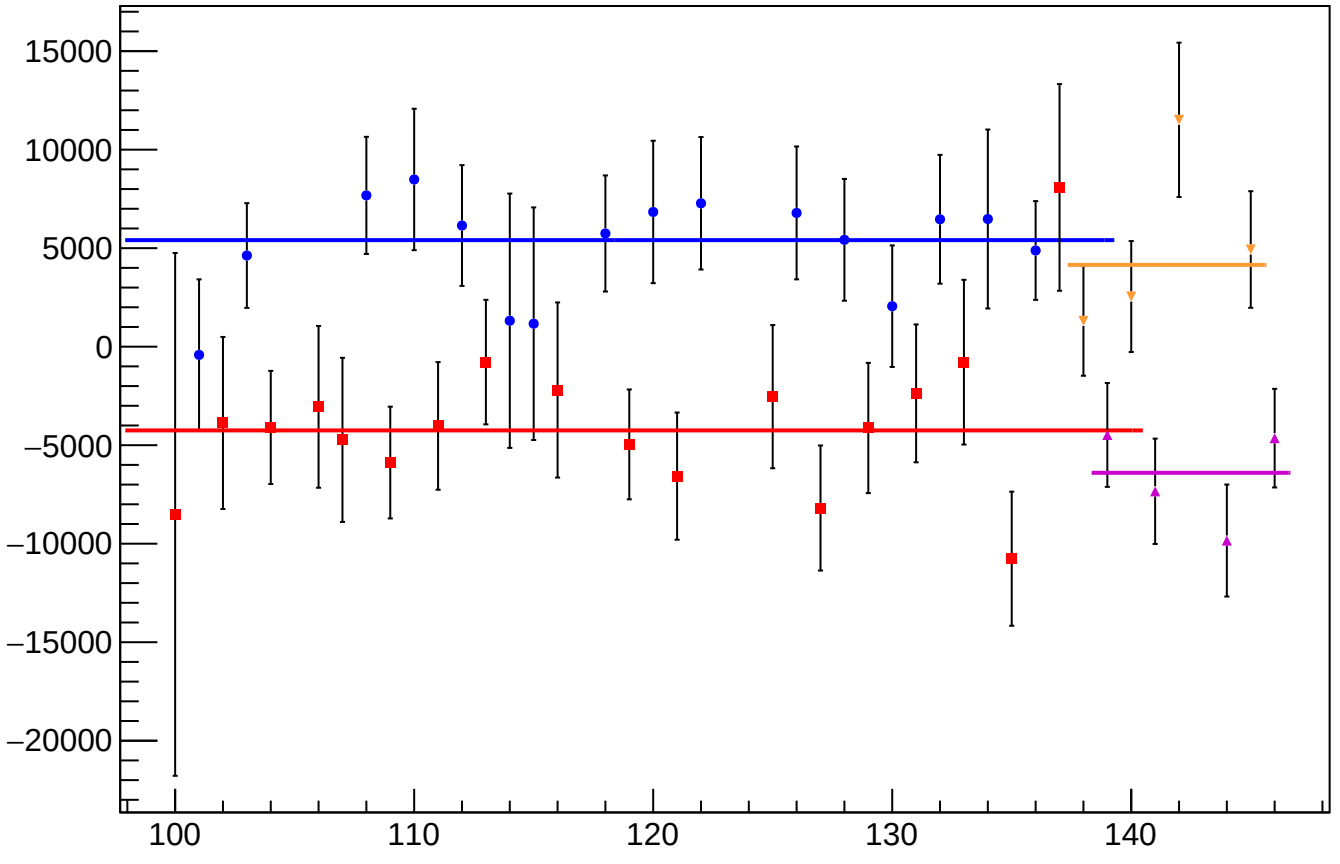
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10360.630+/-3.926 χ^2/NDF:42311.0/3

+ sign 9050.340+/-2.046 χ^2/NDF: 497919.3/19

All: 8795.586+/-1.386 χ^2/NDF: 1394721.6/41

- sign 8579.790+/-1.883 χ^2/NDF: 868171.0/21



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 4151.221+/-1517.287 χ^2/NDF:5.0/3

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

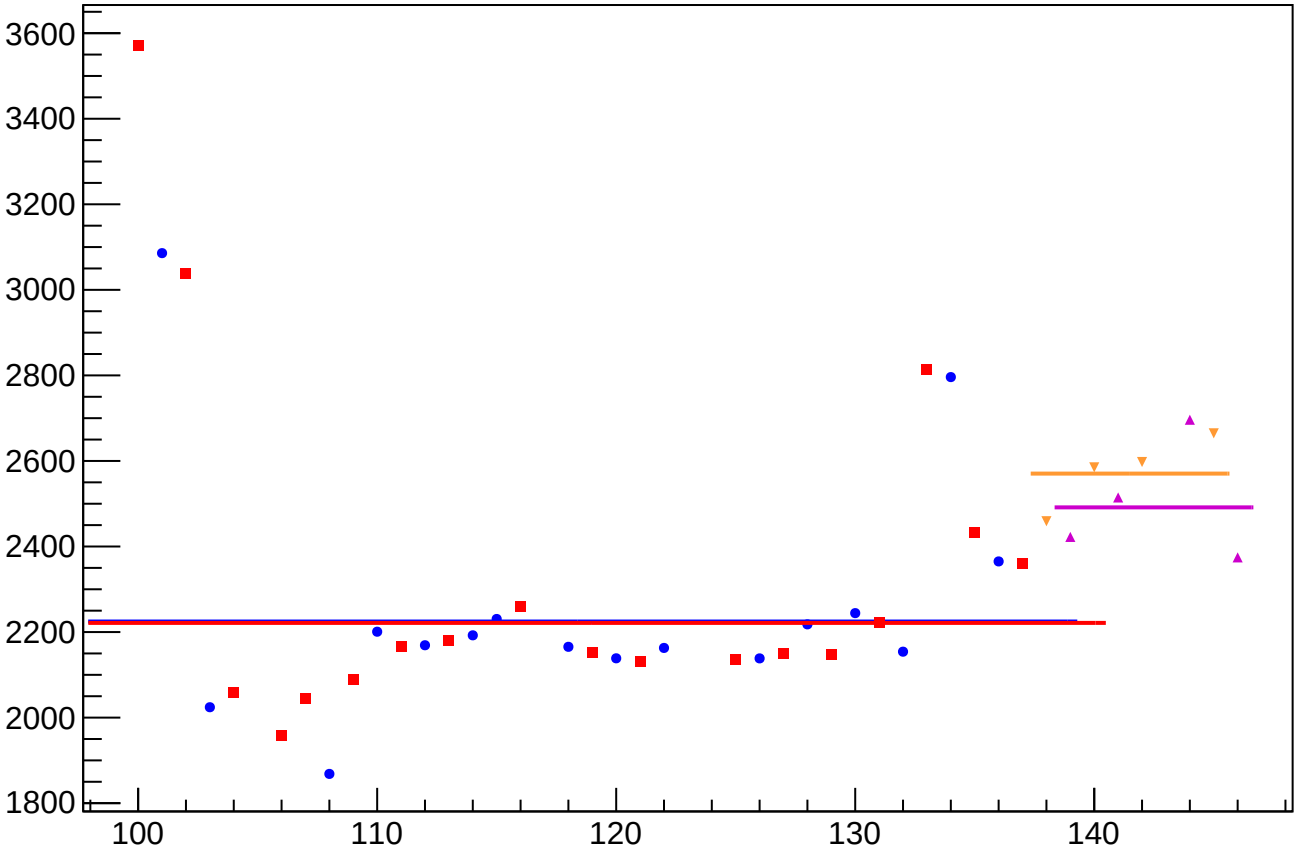
Left In: -6401.129+/-1327.535 χ^2/NDF:2.6/3

+ sign 5116.458+/-730.658 χ^2/NDF: 12.2/19

All: -20.964+/-508.983 χ^2/NDF: 127.2/41

- sign -4864.255+/-709.433 χ^2/NDF: 19.0/21

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: 2570.436+/-1.073 χ^2/NDF:5371.0/3

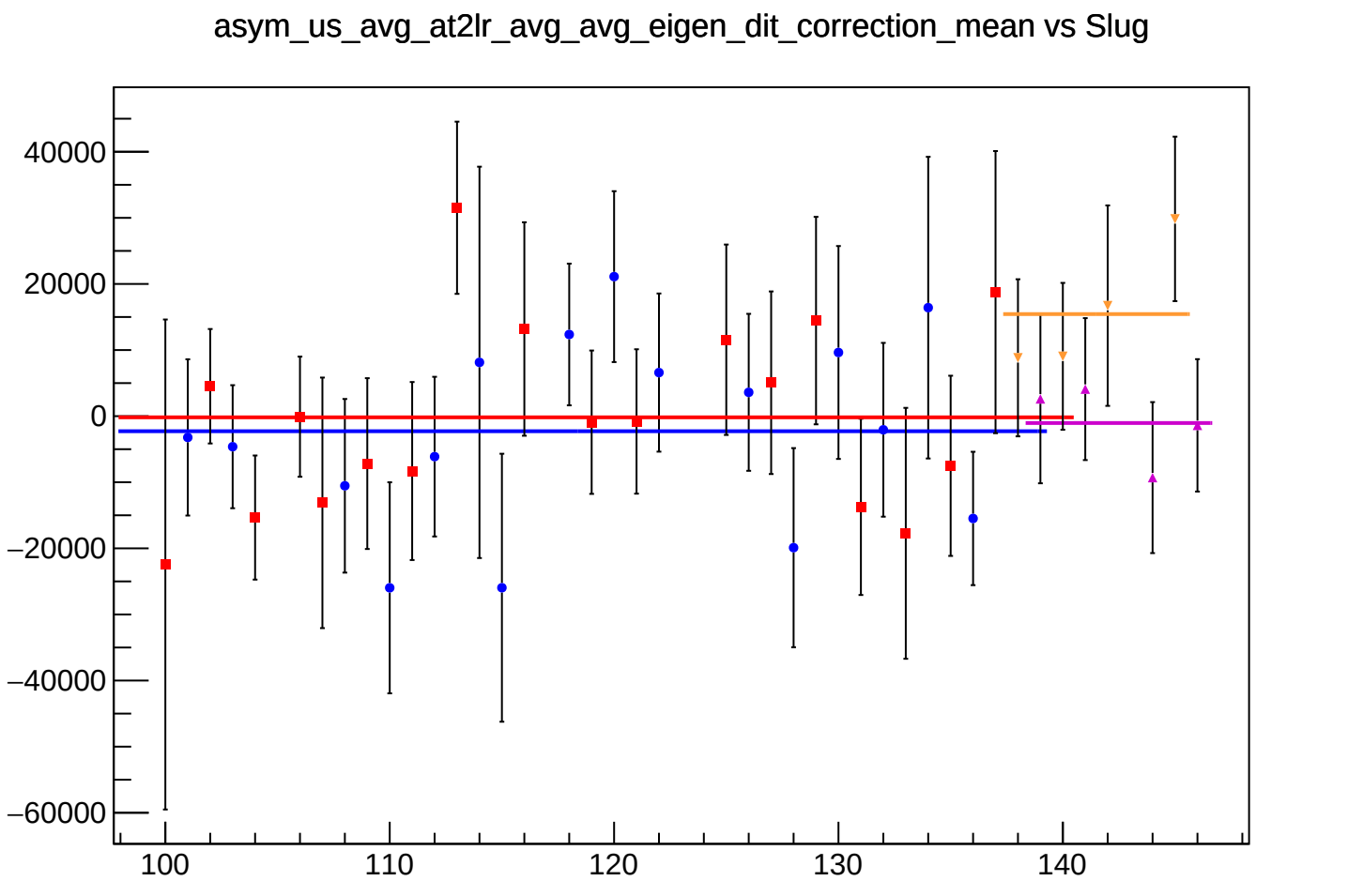
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2491.479+/-0.939 χ^2/NDF:16280.2/3

+ sign 2304.808+/-0.517 χ^2/NDF: 269854.8/19

All: 2301.549+/-0.360 χ^2/NDF: 515305.1/41

- sign 2298.479+/-0.501 χ^2/NDF: 245373.0/21



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 15441.540+/-6201.485 χ^2/NDF:2.0/3

Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

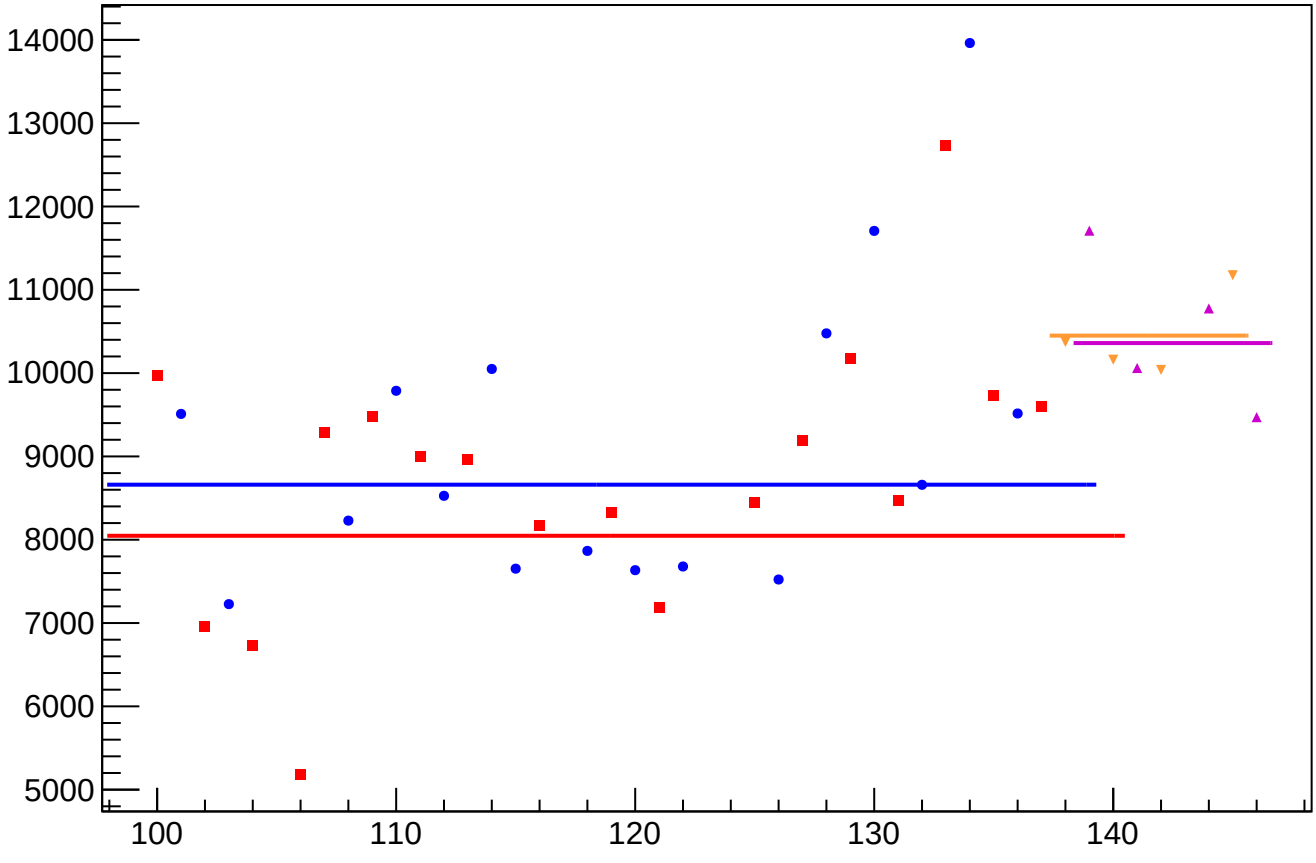
Left In: -1036.789+/-5551.779 χ^2/NDF:0.8/3

\+ sign 1579.784+/-2893.722 χ^2/NDF: 22.9/19

All: 521.533+/-1959.636 χ^2/NDF: 39.6/41

\- sign -374.885+/-2663.285 χ^2/NDF: 16.5/21

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10450.129+/-4.385 χ^2/NDF:9701.4/3

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

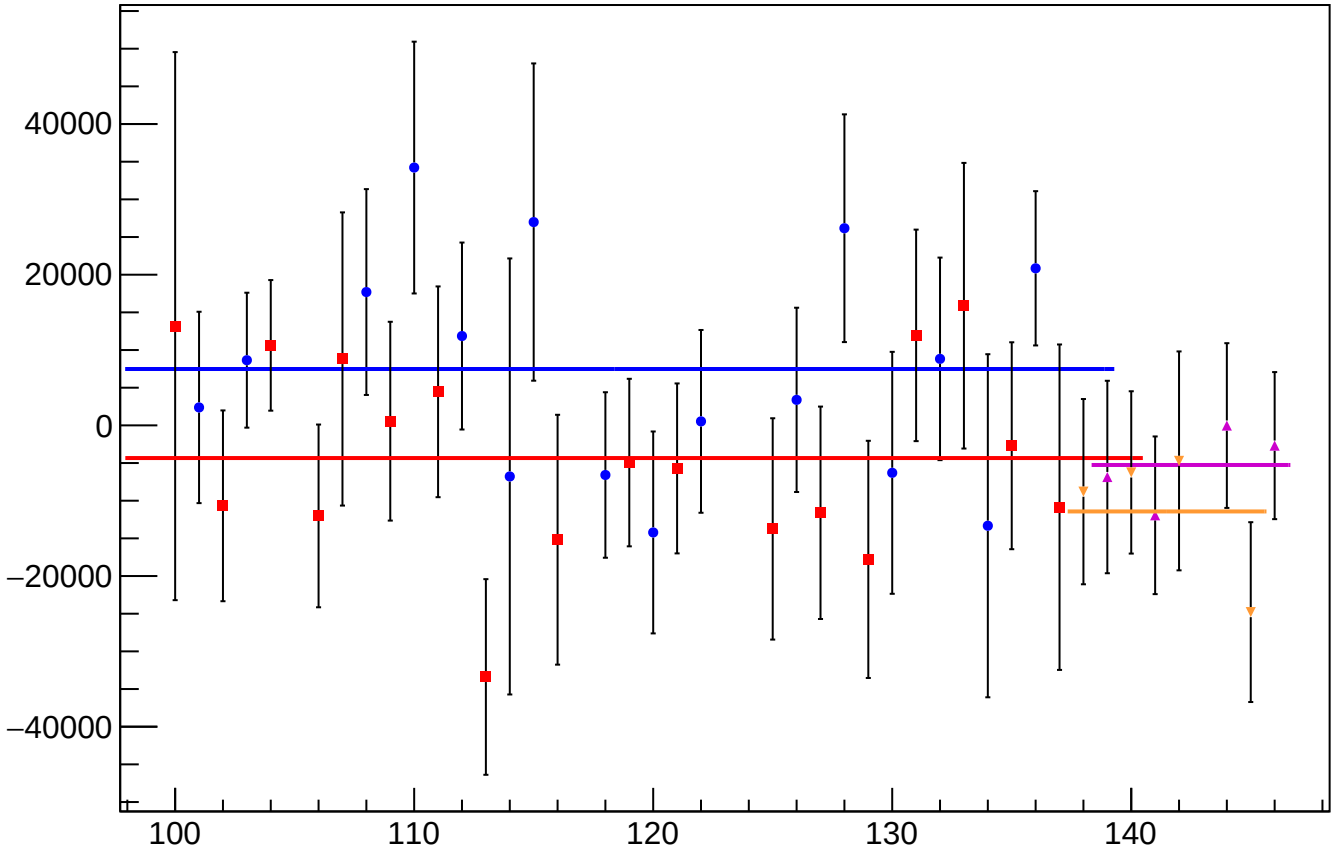
Left In: 10360.647+/-3.926 χ^2/NDF:42311.5/3

+ sign 9050.325+/-2.046 χ^2/NDF: 497927.5/19

All: 8795.572+/-1.386 χ^2/NDF: 1394736.1/41

- sign 8579.777+/-1.883 χ^2/NDF: 868177.4/21

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -11426.287+/-6087.444 χ^2/NDF:1.7/3

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

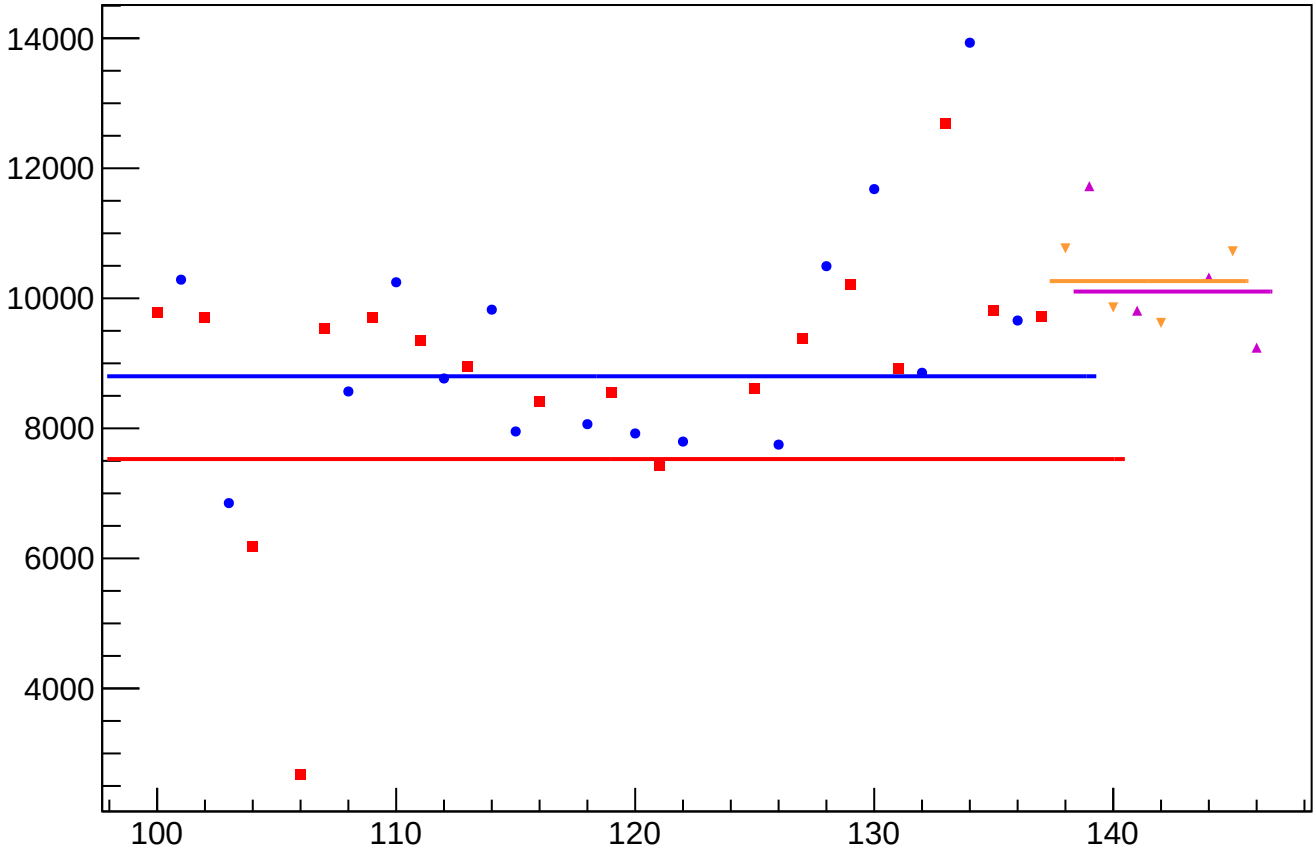
Left In: -5258.265+/-5413.834 χ^2/NDF:0.7/3

+ sign 3125.046+/-2922.076 χ^2/NDF: 23.2/19

All: -917.413+/-2014.800 χ^2/NDF: 41.9/41

- sign -4581.095+/-2781.811 χ^2/NDF: 15.0/21

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10265.215+/-4.304 χ^2/NDF:13037.7/3

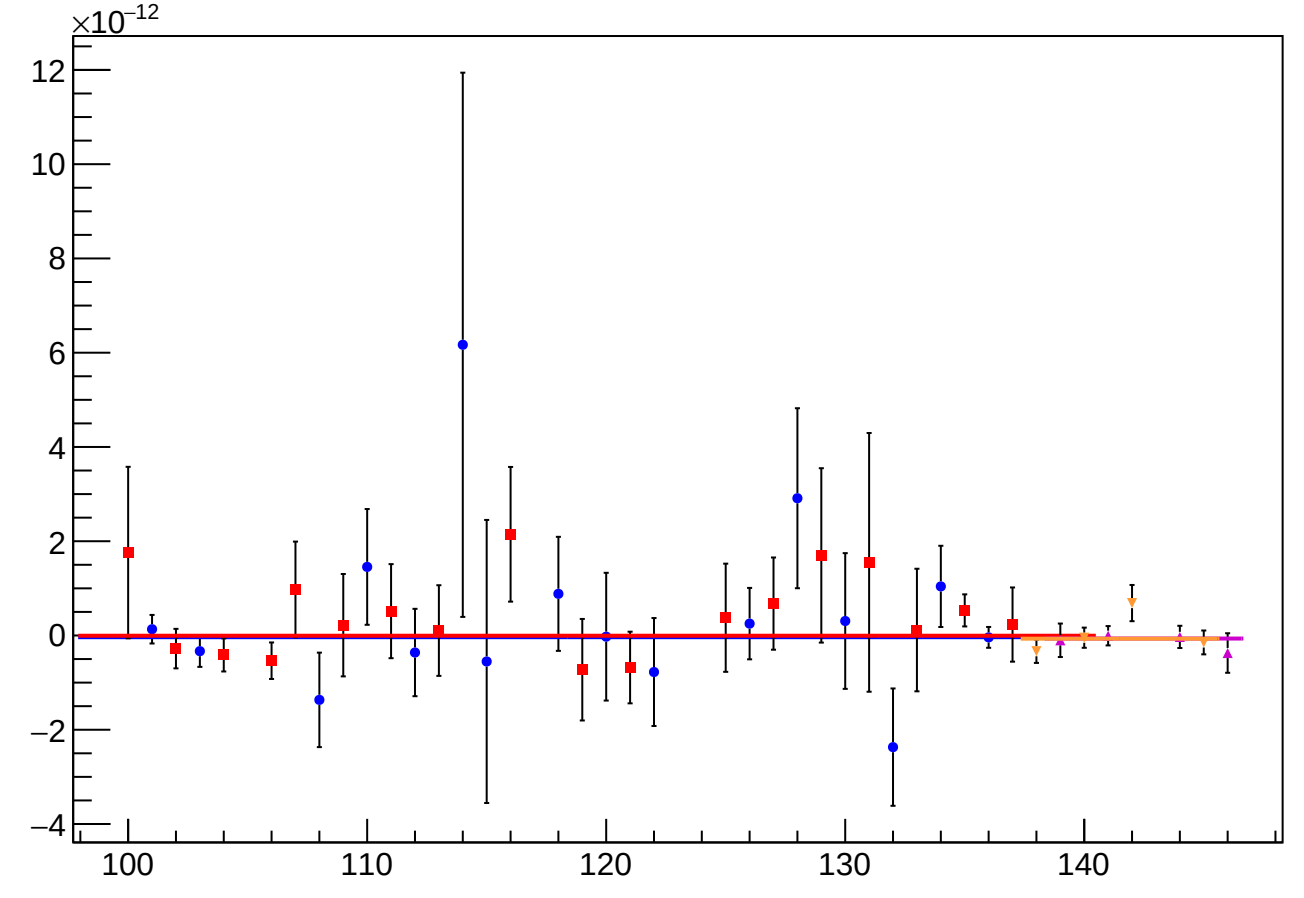
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10104.257+/-3.828 χ^2/NDF:50189.7/3

+ sign 9138.430+/-2.066 χ^2/NDF: 496652.5/19

All: 8584.836+/-1.382 χ^2/NDF: 2680124.1/41

- sign 8136.142+/-1.860 χ^2/NDF: 2053502.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/3

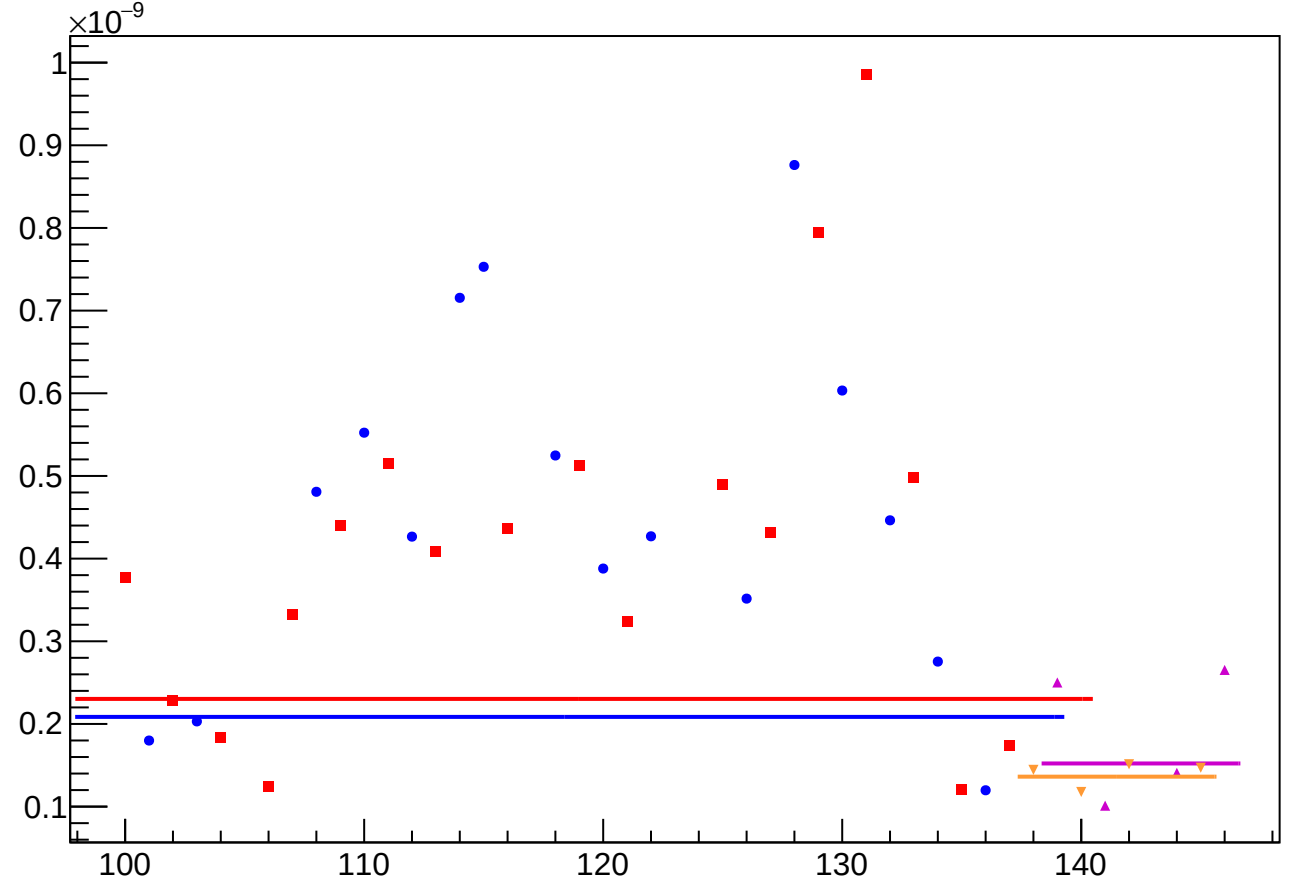
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.4/19

All: -0.000+/-0.000 χ^2/NDF: 33.9/41

- sign -0.000+/-0.000 χ^2/NDF: 14.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23878.5/3

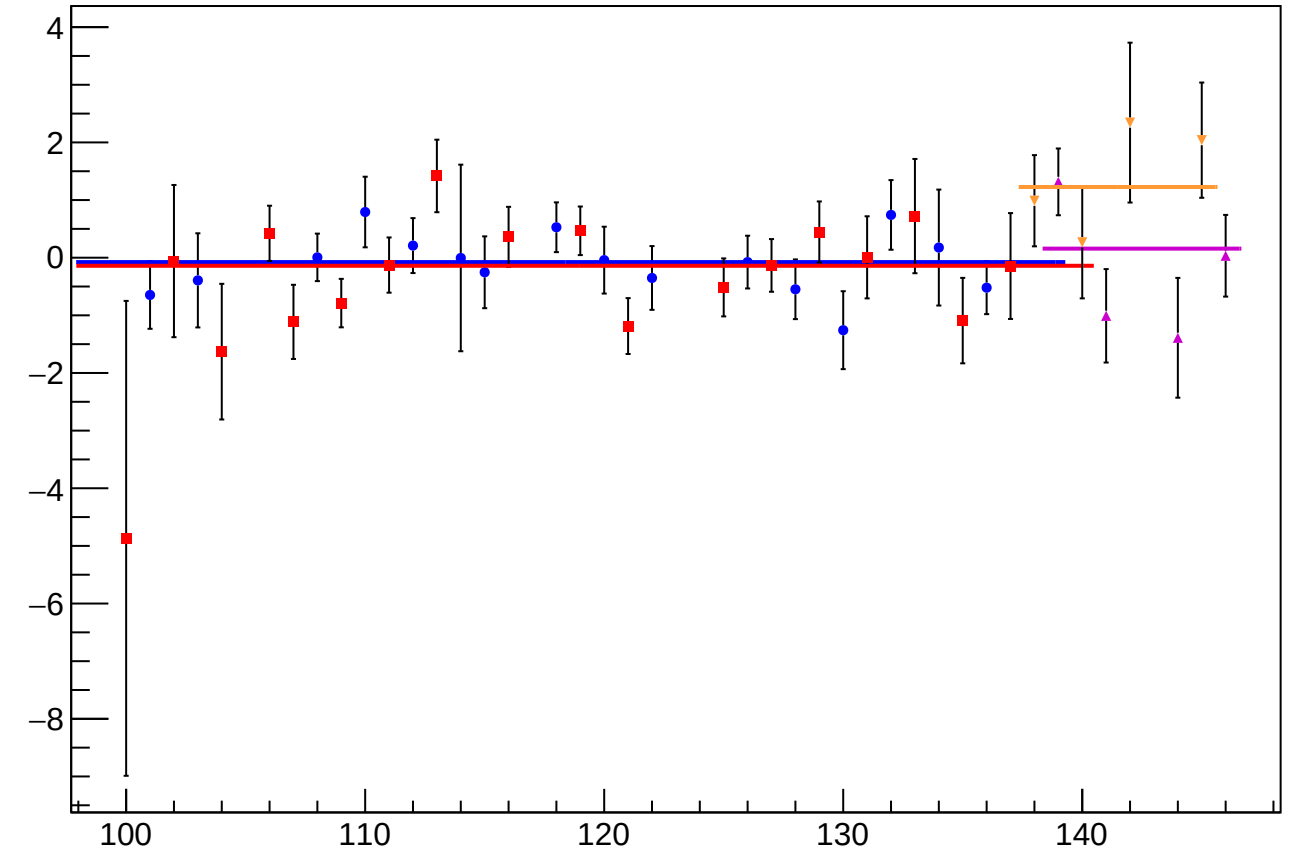
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:426267.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 1941477.5/19

All: 0.000+/-0.000 χ^2/NDF: 4243740.4/41

- sign 0.000+/-0.000 χ^2/NDF: 2274497.9/21



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 1.226+/-0.489 χ^2/NDF:2.4/3

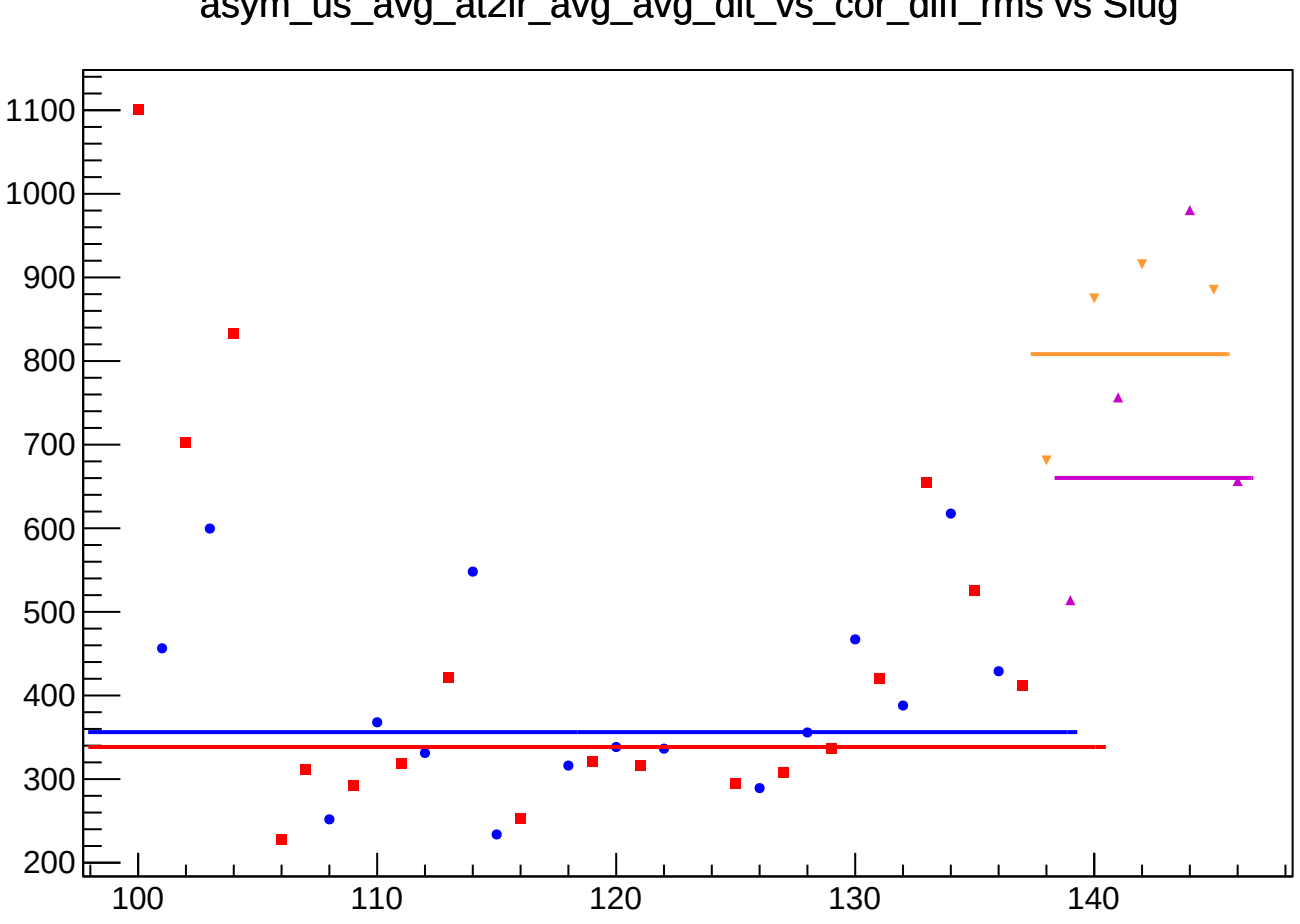
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.157+/-0.367 χ^2/NDF:8.3/3

+ sign 0.022+/-0.135 χ^2/NDF: 21.4/19

All: -0.043+/-0.093 χ^2/NDF: 57.8/41

- sign -0.103+/-0.129 χ^2/NDF: 35.9/21



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 808.285+/-0.346 χ^2/NDF:84916.3/3

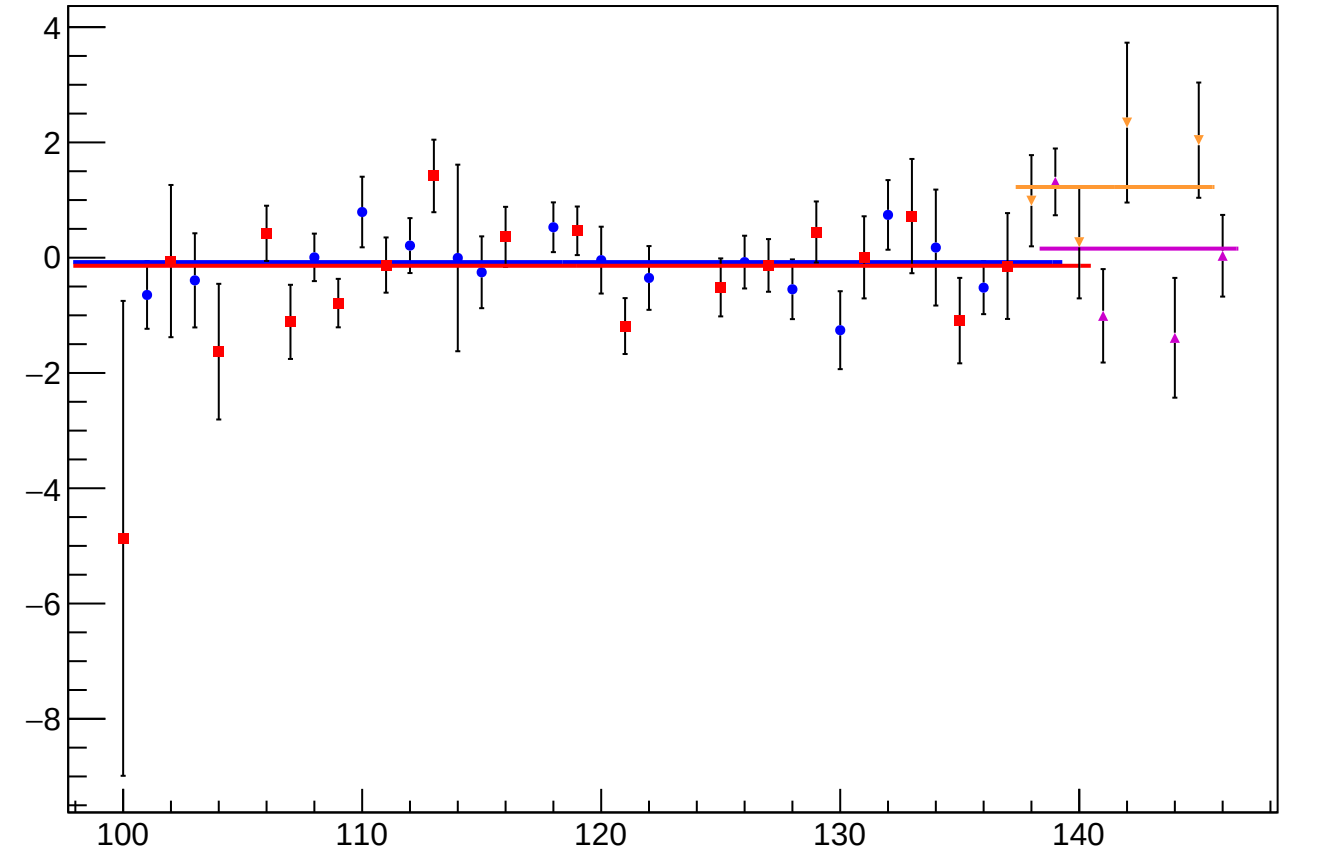
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 660.193+/-0.260 χ^2/NDF:345825.7/3

+ sign 390.337+/-0.095 χ^2/NDF: 2447563.9/19

All: 384.043+/-0.066 χ^2/NDF: 5351661.8/41

- sign 378.241+/-0.091 χ^2/NDF: 2895682.1/21



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 1.226+/-0.489 χ^2/NDF:2.4/3

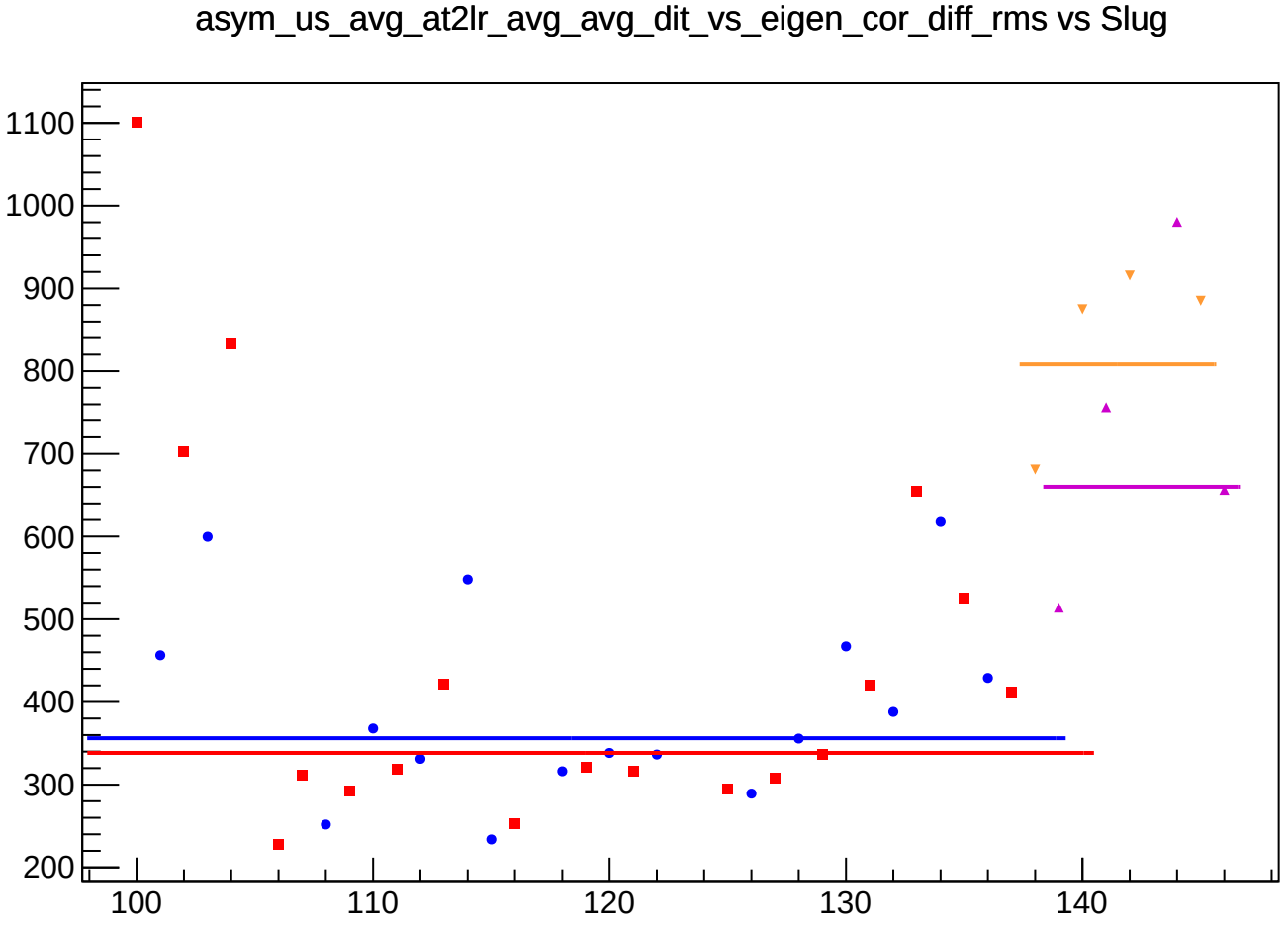
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

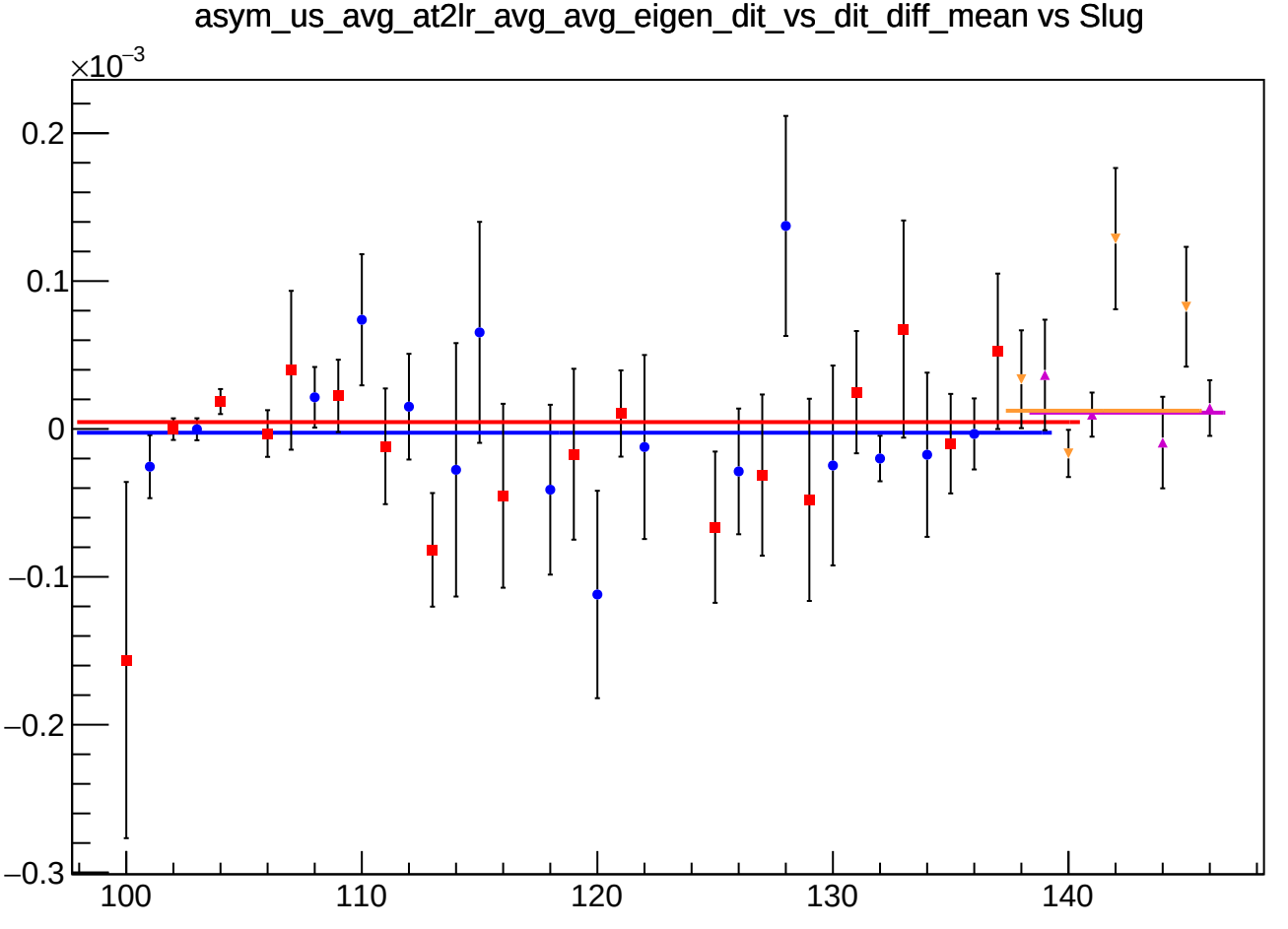
Left In: 0.157+/-0.367 χ^2/NDF:8.3/3

+ sign 0.022+/-0.135 χ^2/NDF: 21.4/19

All: -0.043+/-0.093 χ^2/NDF: 57.8/41

- sign -0.103+/-0.129 χ^2/NDF: 35.9/21


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 808.285+/-0.346 χ²/NDF:84916.3/3
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 660.193+/-0.260 χ²/NDF:345825.7/3
+ sign 390.337+/-0.095 χ²/NDF: 2447563.9/19
All: 384.043+/-0.066 χ²/NDF: 5351661.8/41
- sign 378.241+/-0.091 χ²/NDF: 2895682.1/21



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/3

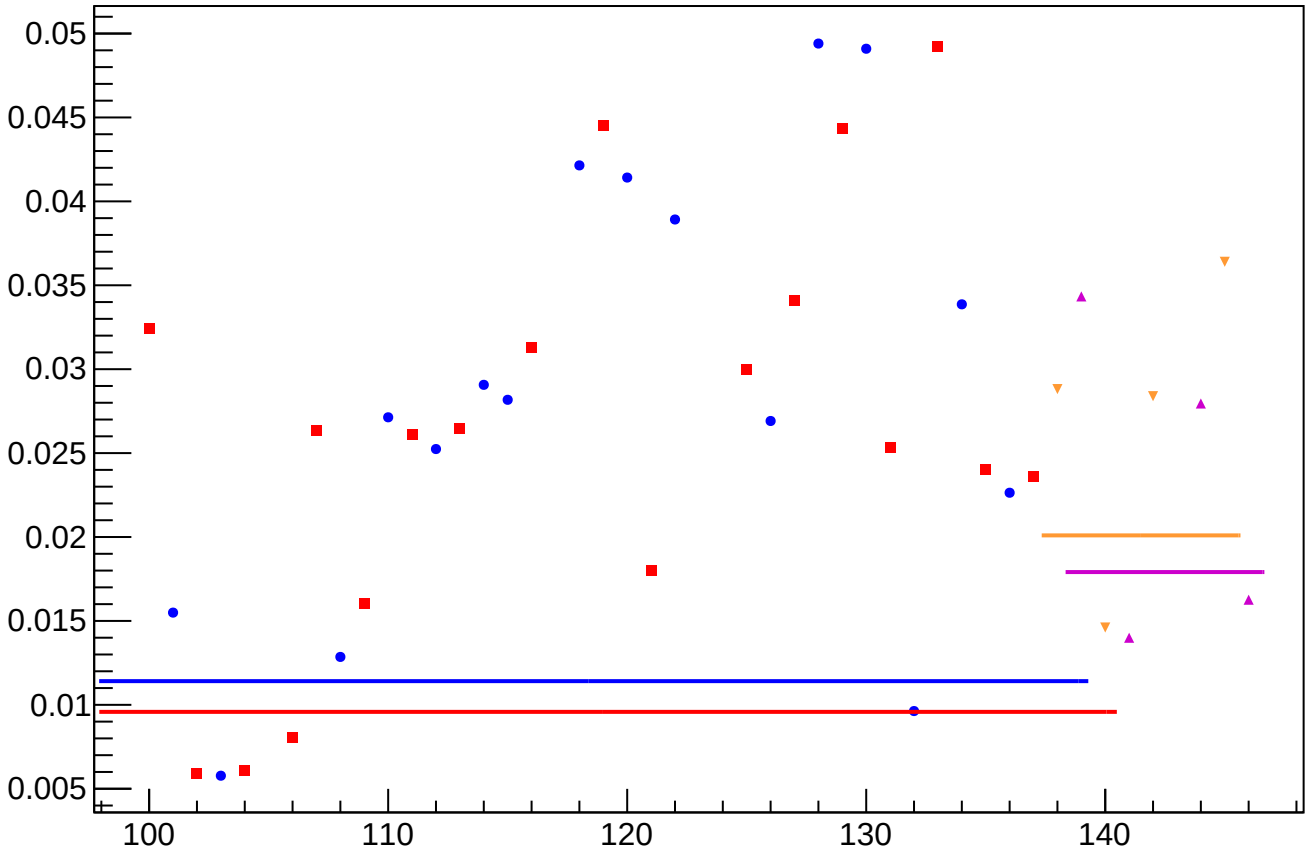
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.8/19

All: 0.000+/-0.000 χ^2/NDF: 47.9/41

- sign 0.000+/-0.000 χ^2/NDF: 18.3/21



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.020+/-0.000 χ^2/NDF:759797.6/3

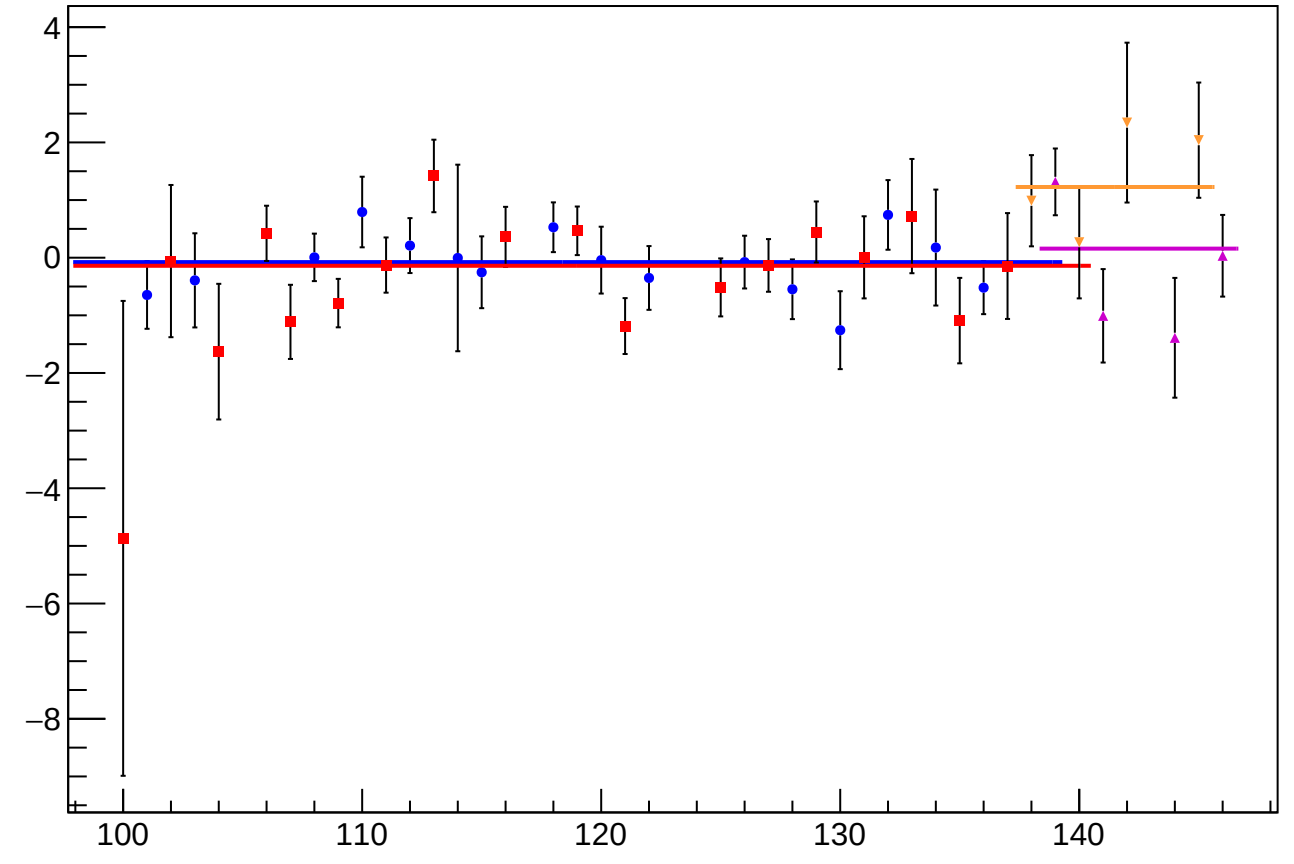
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.018+/-0.000 χ^2/NDF:749980.9/3

+ sign 0.013+/-0.000 χ^2/NDF: 7011598.0/19

All: 0.012+/-0.000 χ^2/NDF: 14736510.8/41

- sign 0.011+/-0.000 χ^2/NDF: 7585434.1/21



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 1.227+/-0.489 χ^2/NDF:2.4/3

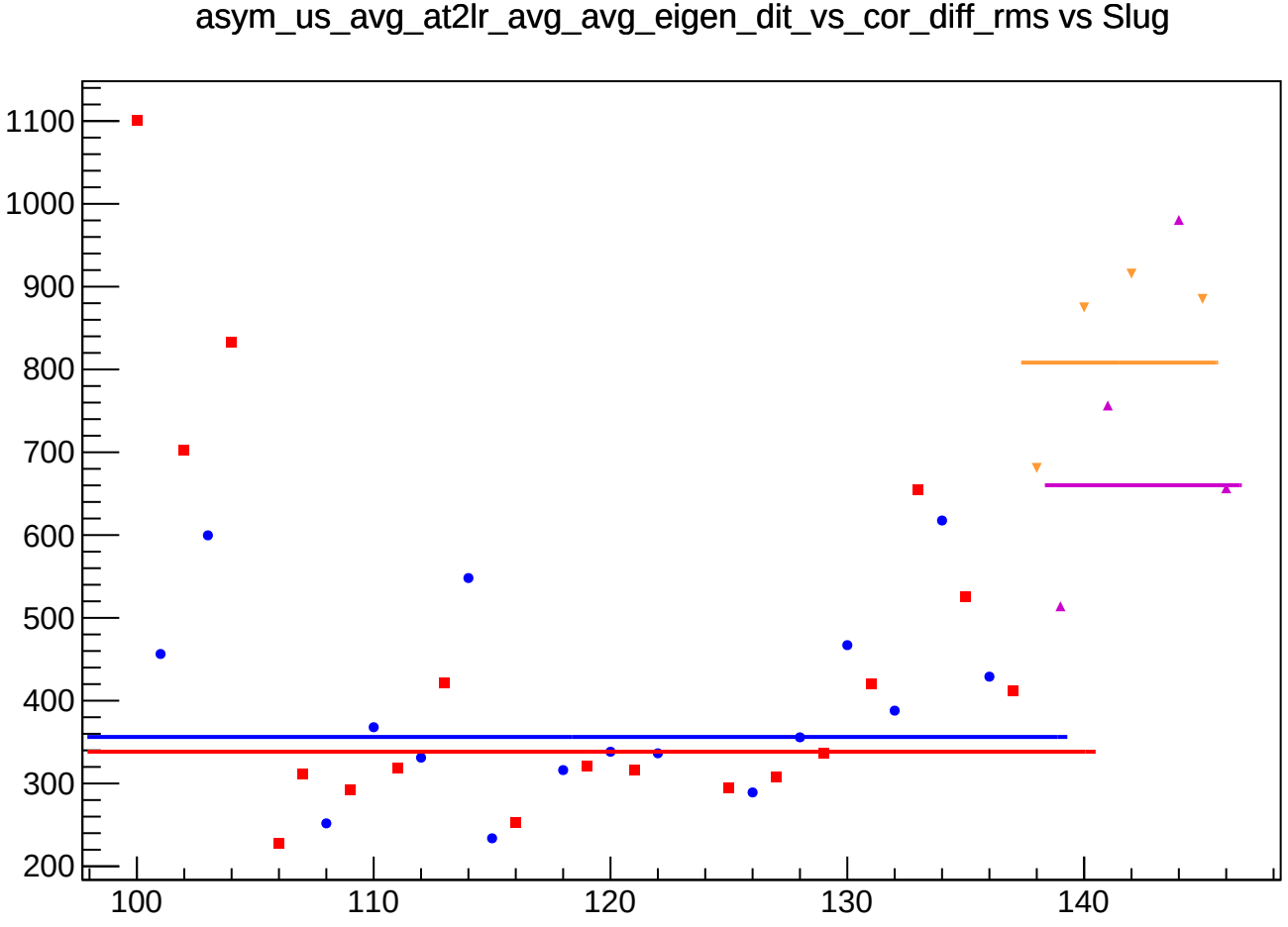
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.157+/-0.367 χ^2/NDF:8.3/3

+ sign 0.022+/-0.135 χ^2/NDF: 21.4/19

All: -0.043+/-0.093 χ^2/NDF: 57.8/41

- sign -0.103+/-0.129 χ^2/NDF: 35.9/21



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 808.295+/-0.346 χ^2/NDF:84919.2/3

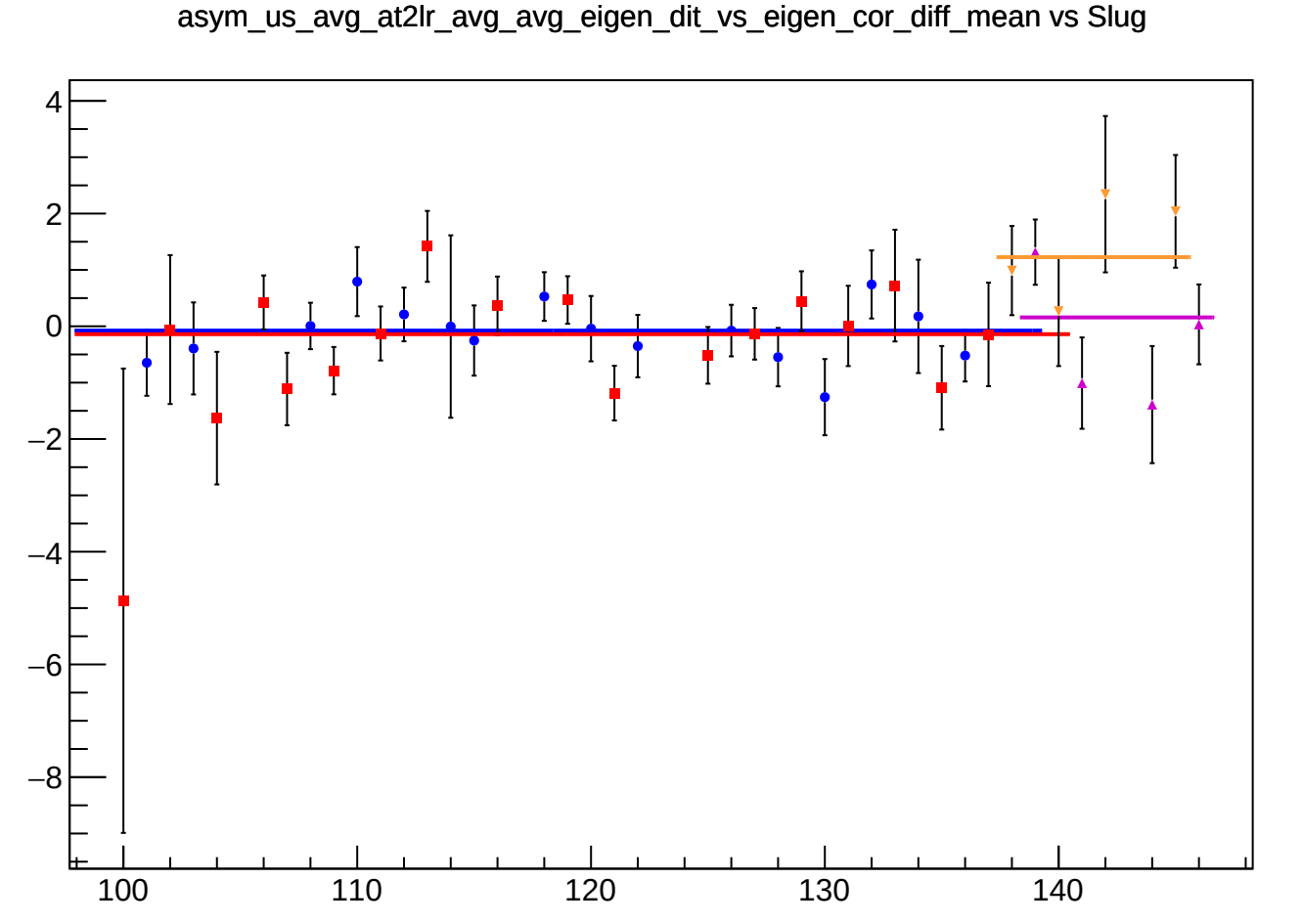
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 660.204+/-0.260 χ^2/NDF:345812.4/3

+ sign 390.336+/-0.095 χ^2/NDF: 2447575.8/19

All: 384.041+/-0.066 χ^2/NDF: 5351714.0/41

- sign 378.239+/-0.091 χ^2/NDF: 2895721.8/21



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 1.227+/-0.489 χ^2/NDF:2.4/3

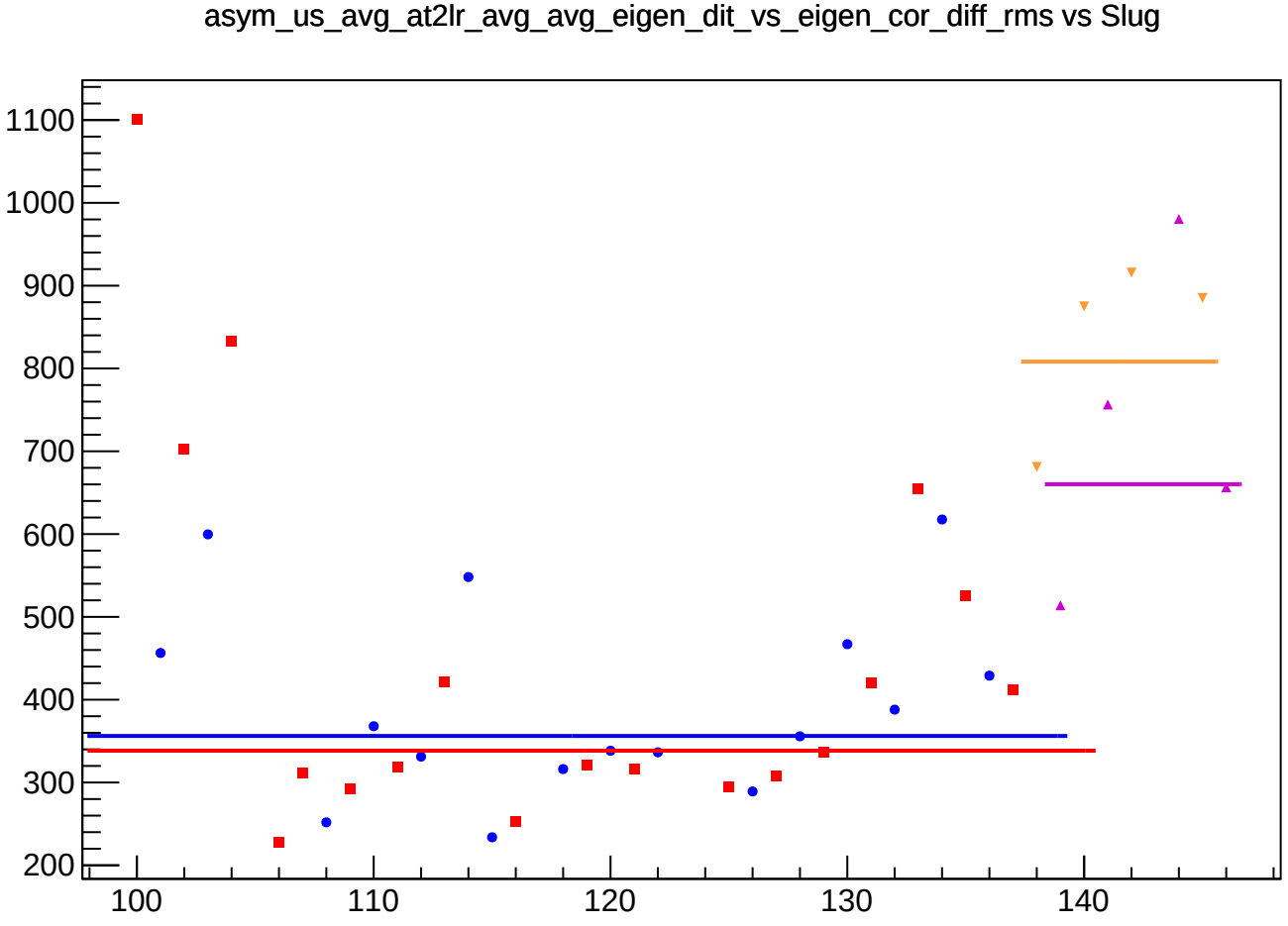
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.157+/-0.367 χ^2/NDF:8.3/3

+ sign 0.022+/-0.135 χ^2/NDF: 21.4/19

All: -0.043+/-0.093 χ^2/NDF: 57.8/41

- sign -0.103+/-0.129 χ^2/NDF: 35.9/21



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 808.295+/-0.346 χ^2/NDF:84919.2/3

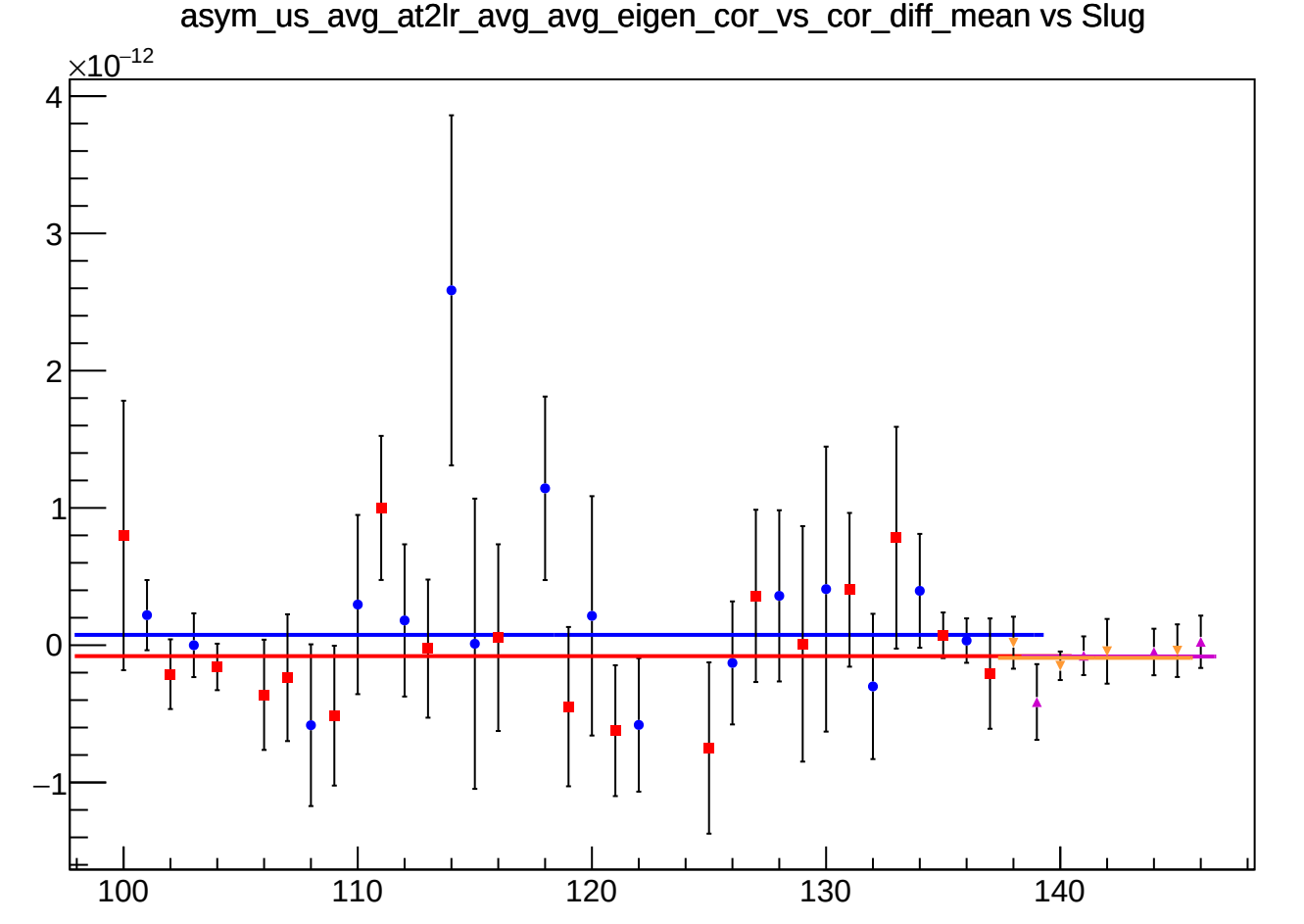
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 660.204+/-0.260 χ^2/NDF:345812.4/3

+ sign 390.336+/-0.095 χ^2/NDF: 2447575.8/19

All: 384.041+/-0.066 χ^2/NDF: 5351714.0/41

- sign 378.239+/-0.091 χ^2/NDF: 2895721.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/3

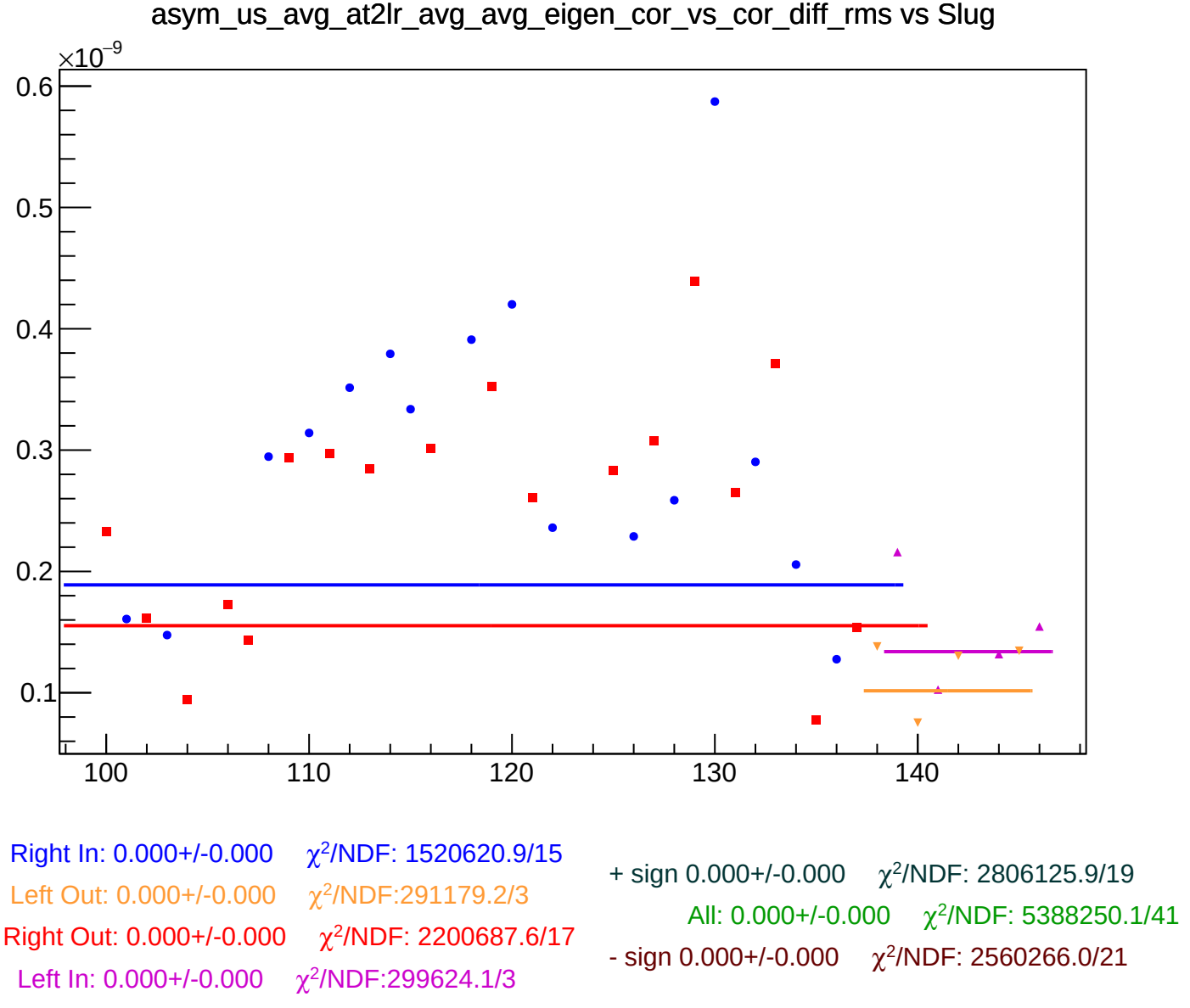
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

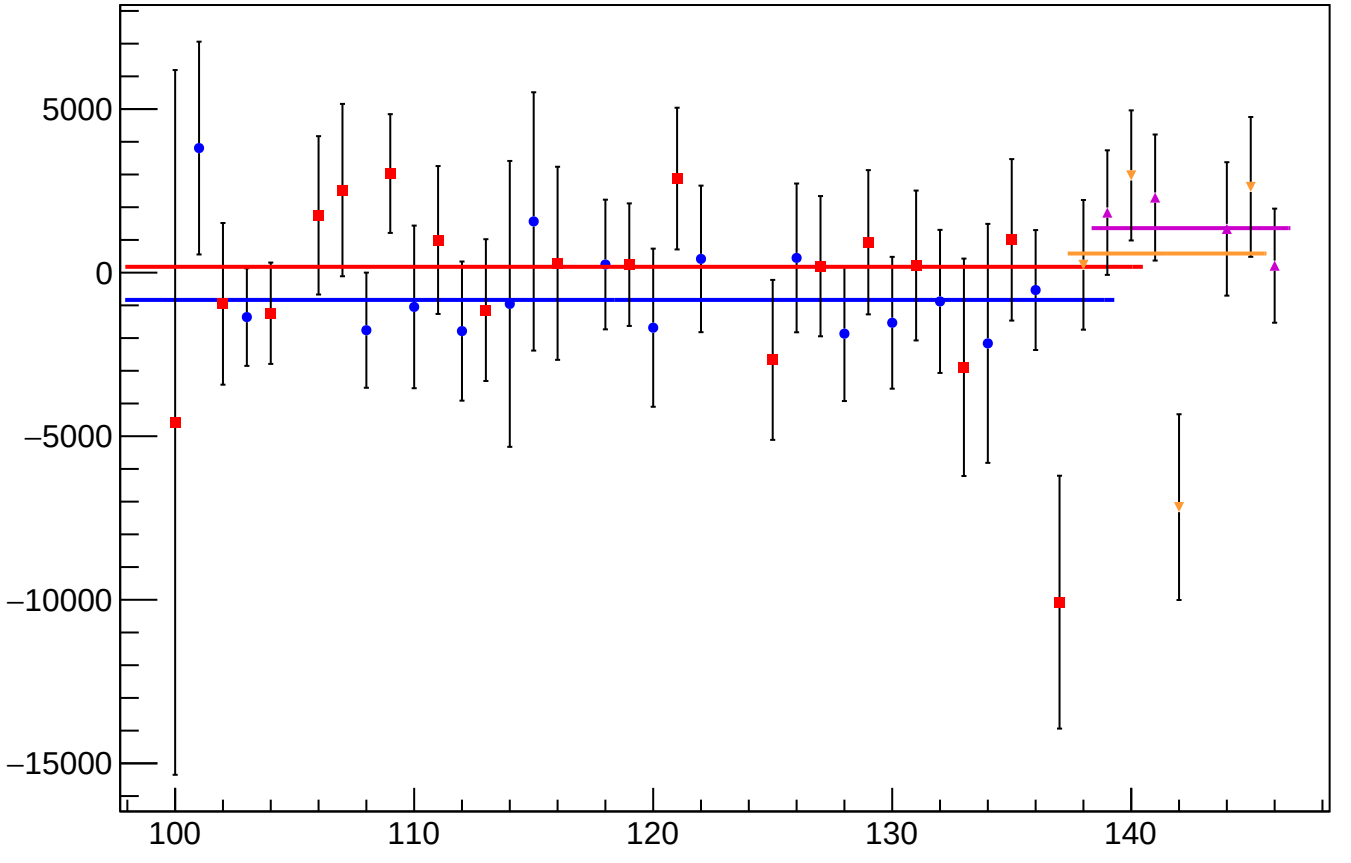
+ sign -0.000+/-0.000 χ^2/NDF: 14.4/19

All: -0.000+/-0.000 χ^2/NDF: 29.6/41

- sign -0.000+/-0.000 χ^2/NDF: 14.9/21


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:291179.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:299624.1/3
+ sign 0.000+/-0.000 χ²/NDF: 2806125.9/19
All: 0.000+/-0.000 χ²/NDF: 5388250.1/41
- sign 0.000+/-0.000 χ²/NDF: 2560266.0/21

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 585.018+/-1084.317 χ^2/NDF:9.8/3

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

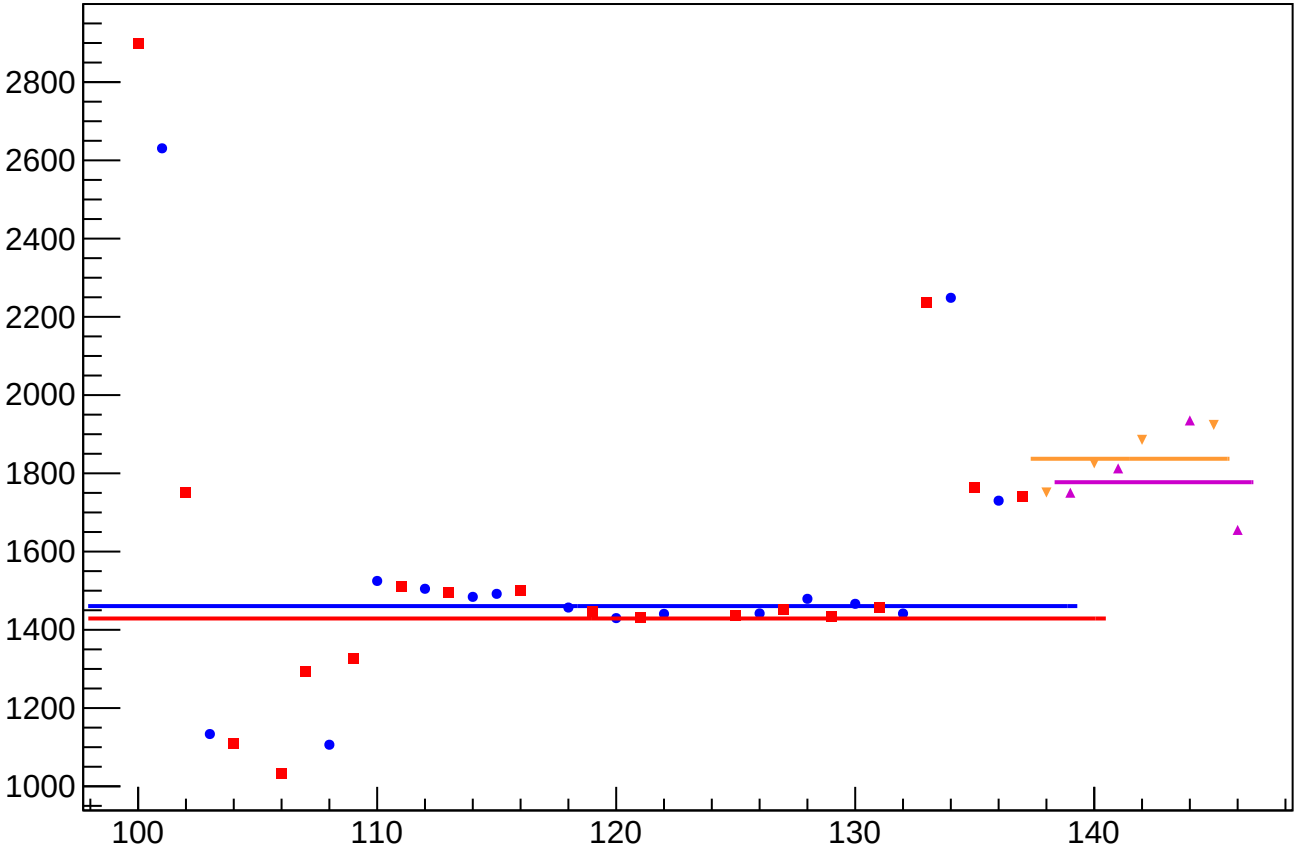
Left In: 1360.495+/-947.256 χ^2/NDF:0.7/3

+ sign -539.145+/-493.927 χ^2/NDF: 15.8/19

All: -11.659+/-342.082 χ^2/NDF: 36.3/41

- sign 474.593+/-474.229 χ^2/NDF: 18.4/21

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1837.223+/-0.767 χ^2/NDF:7709.9/3

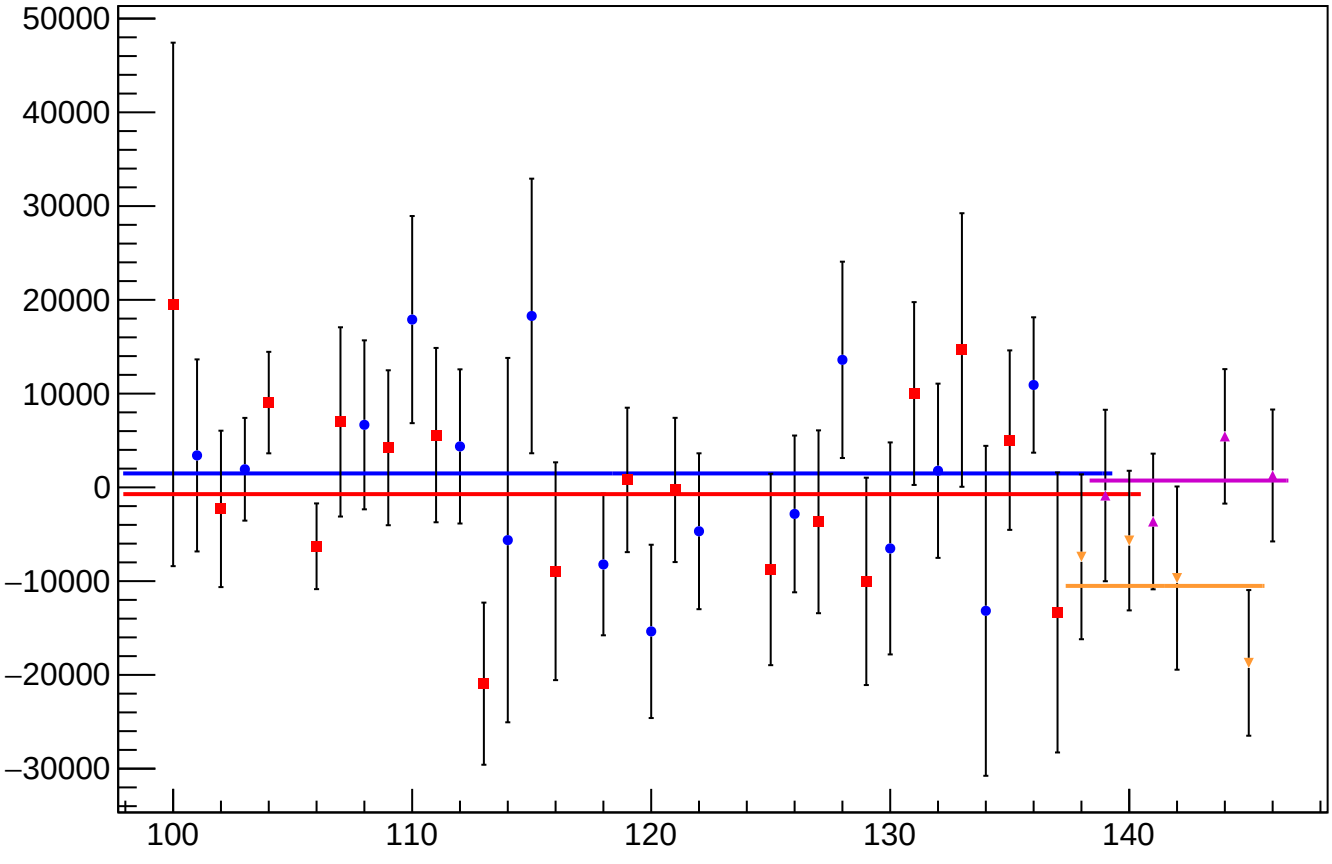
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

+ sign 1538.791+/-0.349 χ^2/NDF: 774611.0/19

All: 1526.496+/-0.241 χ^2/NDF: 1414549.0/41

- sign 1515.288+/-0.333 χ^2/NDF: 637569.3/21



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -10508.488+/-4151.535 χ^2/NDF:1.7/3

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

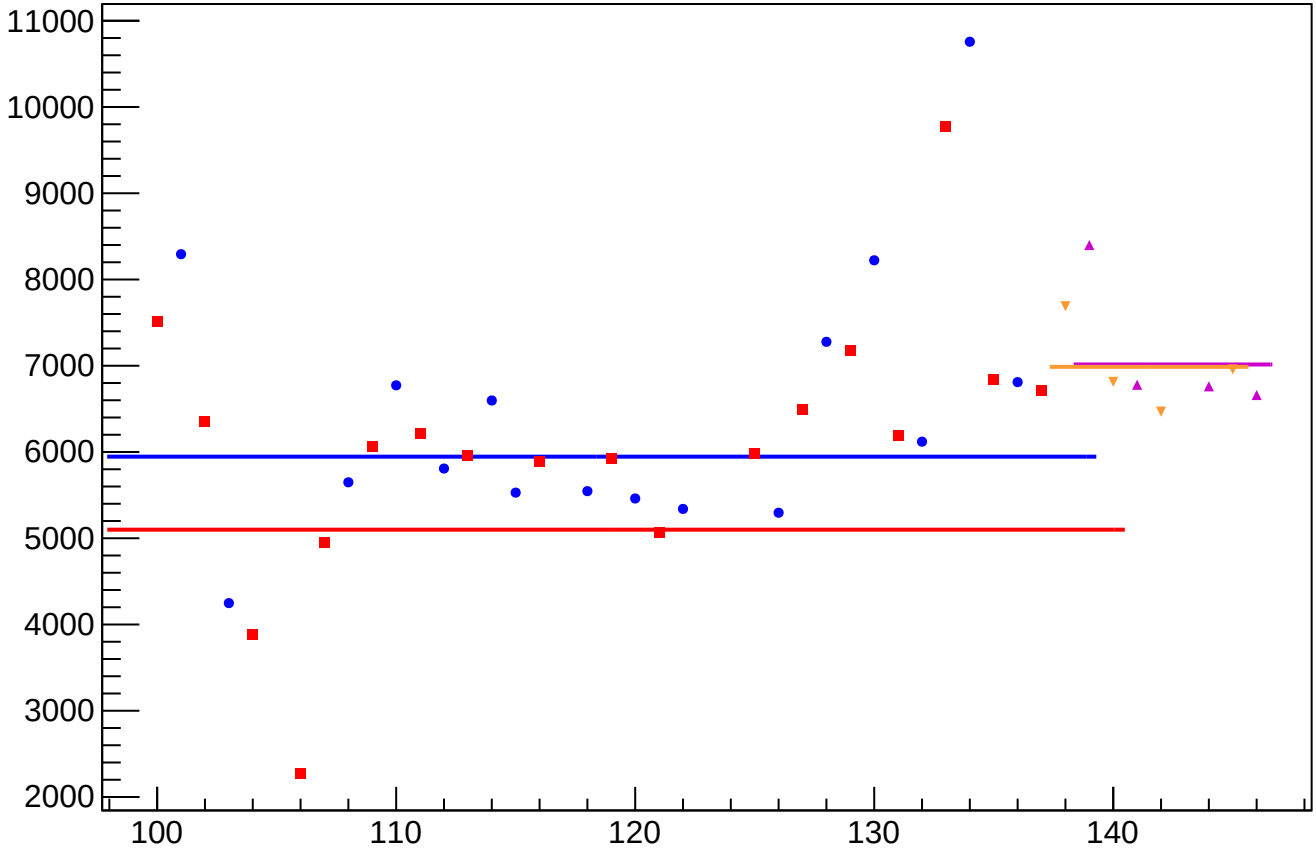
Left In: 728.661+/-3760.580 χ^2/NDF:0.8/3

+ sign -1269.876+/-1990.375 χ^2/NDF: 22.3/19

All: -783.839+/-1324.218 χ^2/NDF: 40.9/41

- sign -397.845+/-1773.745 χ^2/NDF: 18.5/21

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6987.426+/-2.936 χ^2/NDF:19551.1/3

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

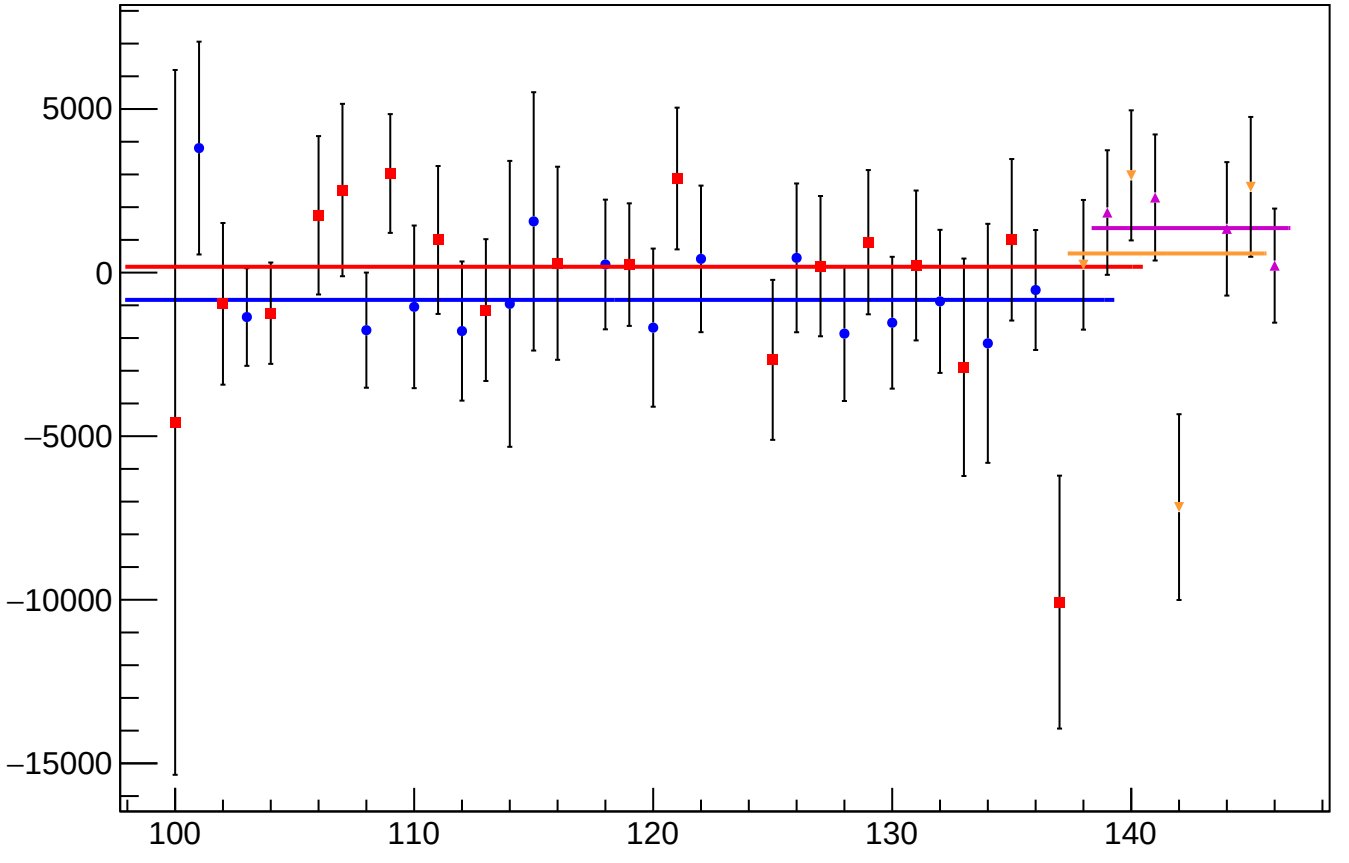
Left In: 7014.769+/-2.659 χ^2/NDF:55578.8/3

+ sign 6185.437+/-1.407 χ^2/NDF: 757594.1/19

All: 5817.610+/-0.936 χ^2/NDF: 2819506.0/41

- sign 5525.493+/-1.254 χ^2/NDF: 1939362.4/21

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 584.918+/-1084.317 χ^2/NDF:9.8/3

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

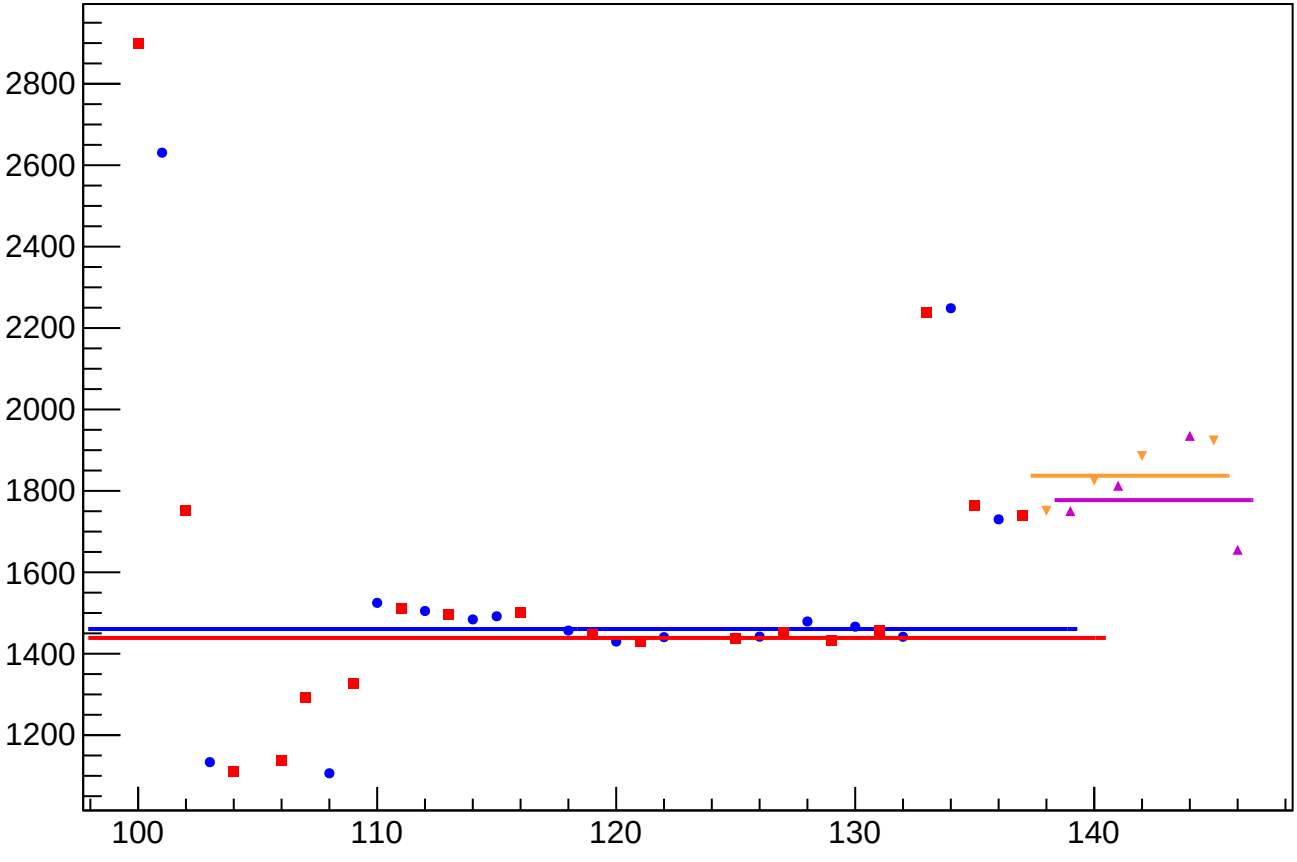
Left In: 1360.679+/-947.256 χ^2/NDF:0.7/3

+ sign -539.215+/-493.927 χ^2/NDF: 15.8/19

All: -11.731+/-342.082 χ^2/NDF: 36.3/41

- sign 474.519+/-474.229 χ^2/NDF: 18.4/21

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1837.223+/-0.767 χ^2/NDF:7709.9/3

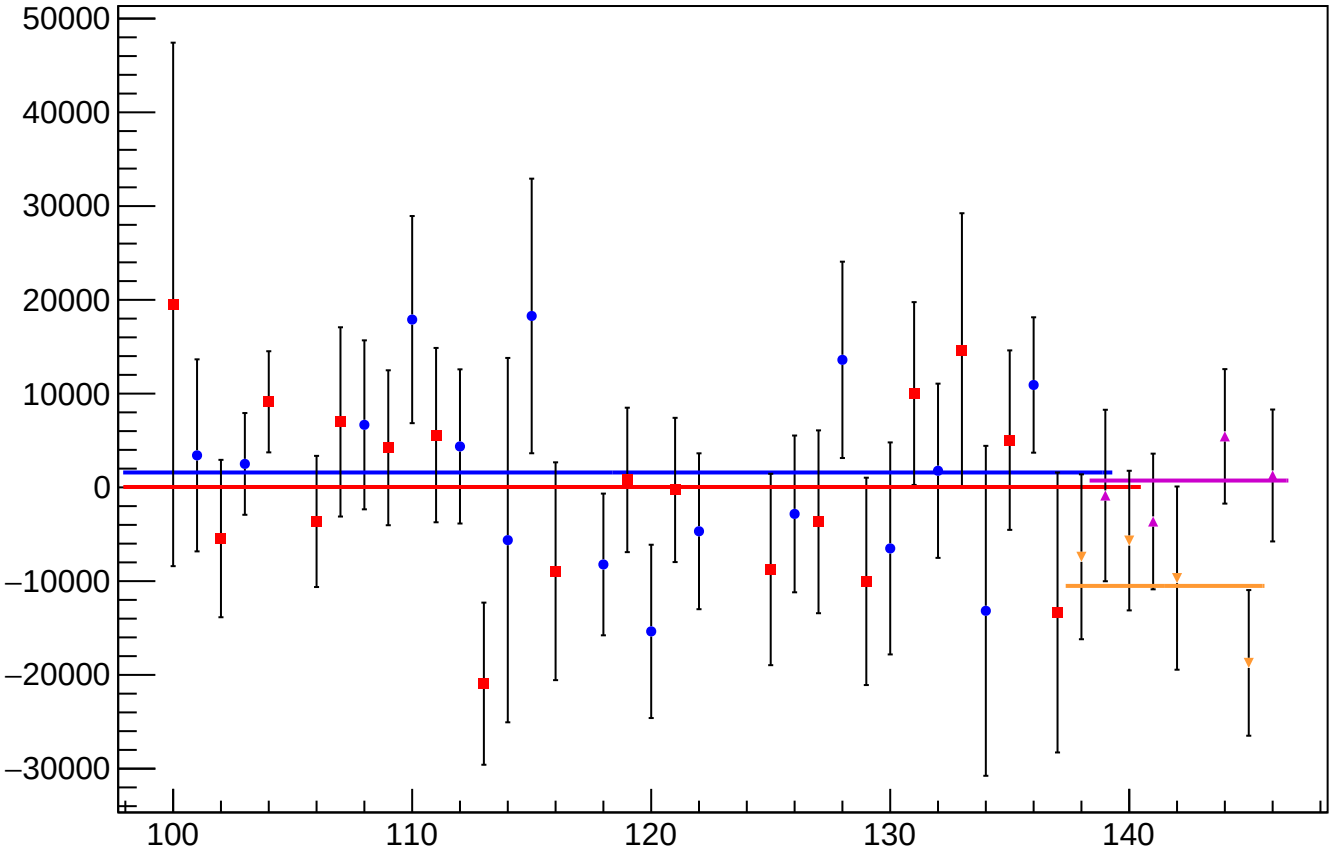
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

+ sign 1538.790+/-0.349 χ^2/NDF: 774611.4/19

All: 1530.730+/-0.242 χ^2/NDF: 1363500.5/41

- sign 1523.325+/-0.335 χ^2/NDF: 587867.2/21



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -10508.558+/-4151.530 χ^2/NDF:1.7/3

Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

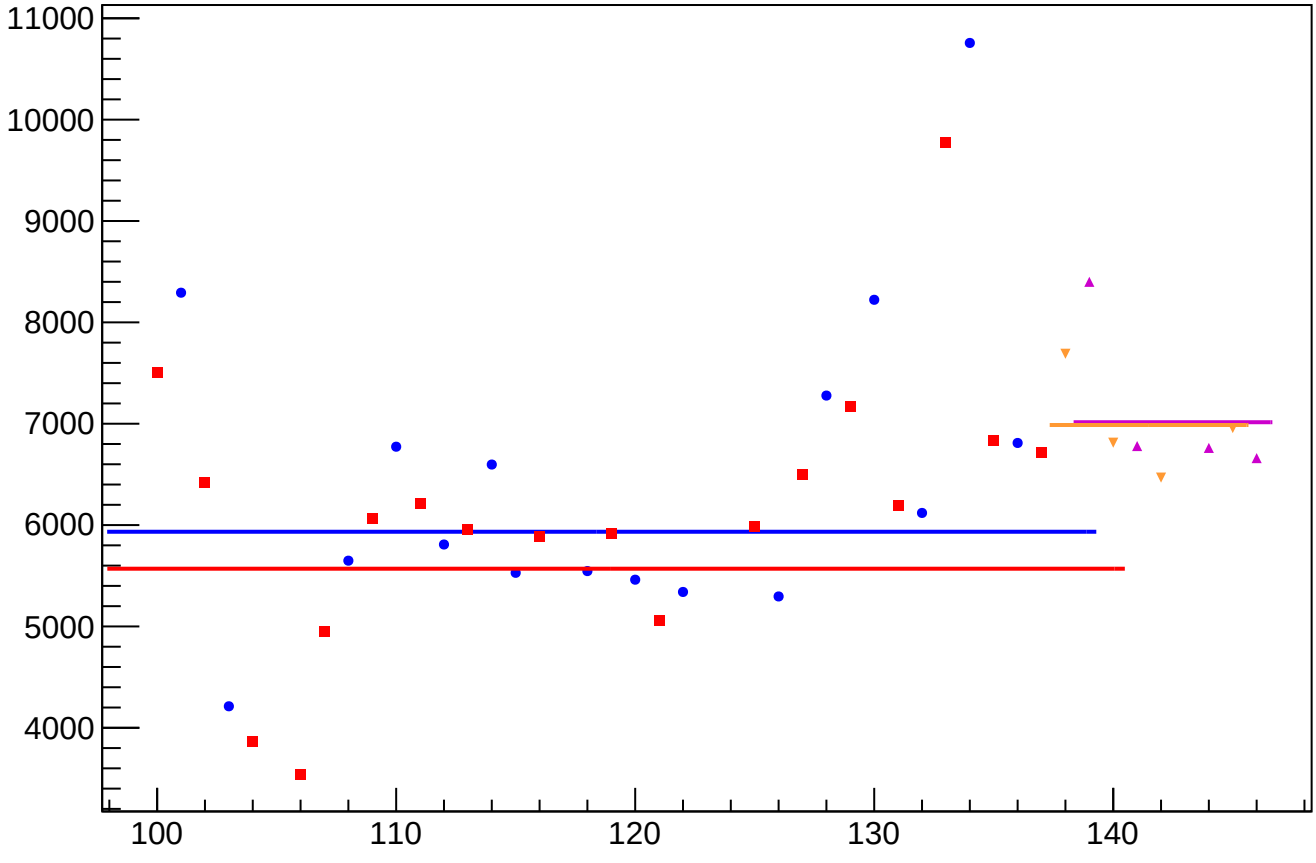
Left In: 728.703+/-3760.577 χ^2/NDF:0.8/3

+ sign -1184.831+/-1987.826 χ^2/NDF: 22.4/19

All: -440.396+/-1356.351 χ^2/NDF: 40.0/41

- sign 208.127+/-1855.358 χ^2/NDF: 17.3/21

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6987.416+/-2.936 χ^2/NDF:19550.8/3

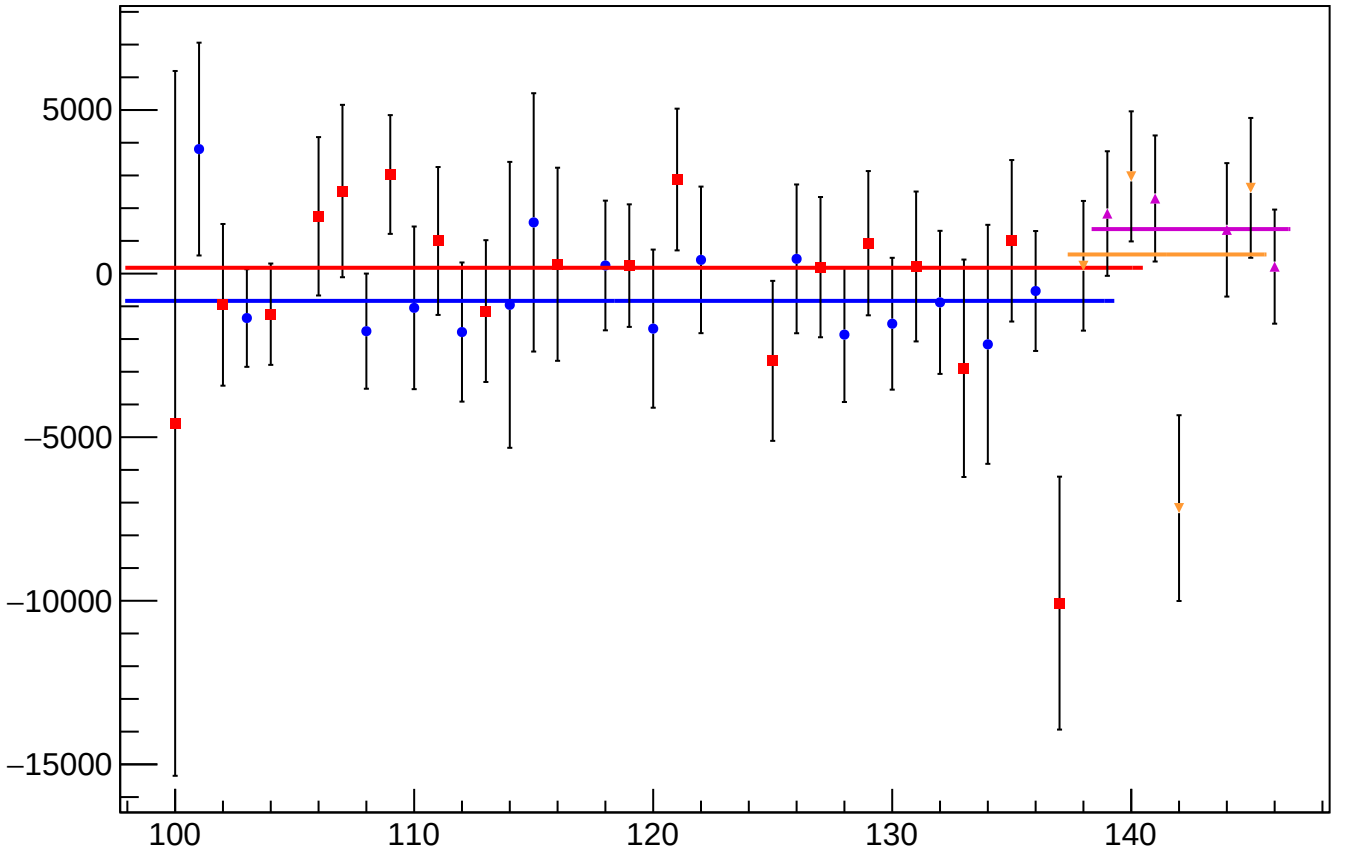
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7014.764+/-2.659 χ^2/NDF:55578.6/3

+ sign 6175.674+/-1.406 χ^2/NDF: 771841.4/19

All: 6039.772+/-0.959 χ^2/NDF: 1792425.9/41

- sign 5921.378+/-1.312 χ^2/NDF: 1003092.4/21



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 584.918+/-1084.317 χ^2/NDF:9.8/3

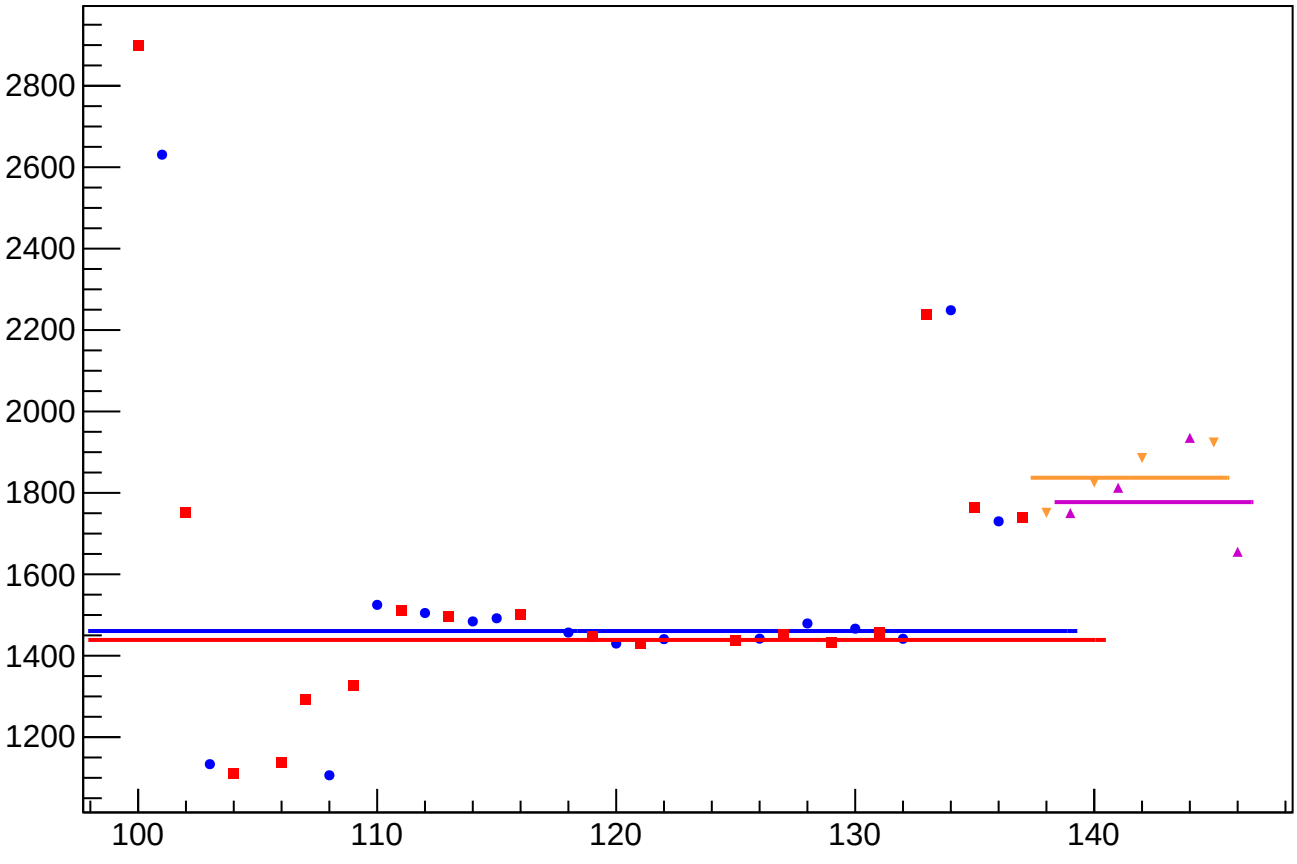
Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 1360.679+/-947.256 χ^2/NDF:0.7/3

\+ sign -539.215+/-493.927 χ^2/NDF: 15.8/19

All: -11.731+/-342.082 χ^2/NDF: 36.3/41

\- sign 474.519+/-474.229 χ^2/NDF: 18.4/21



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1837.223+/-0.767 χ^2/NDF:7709.9/3

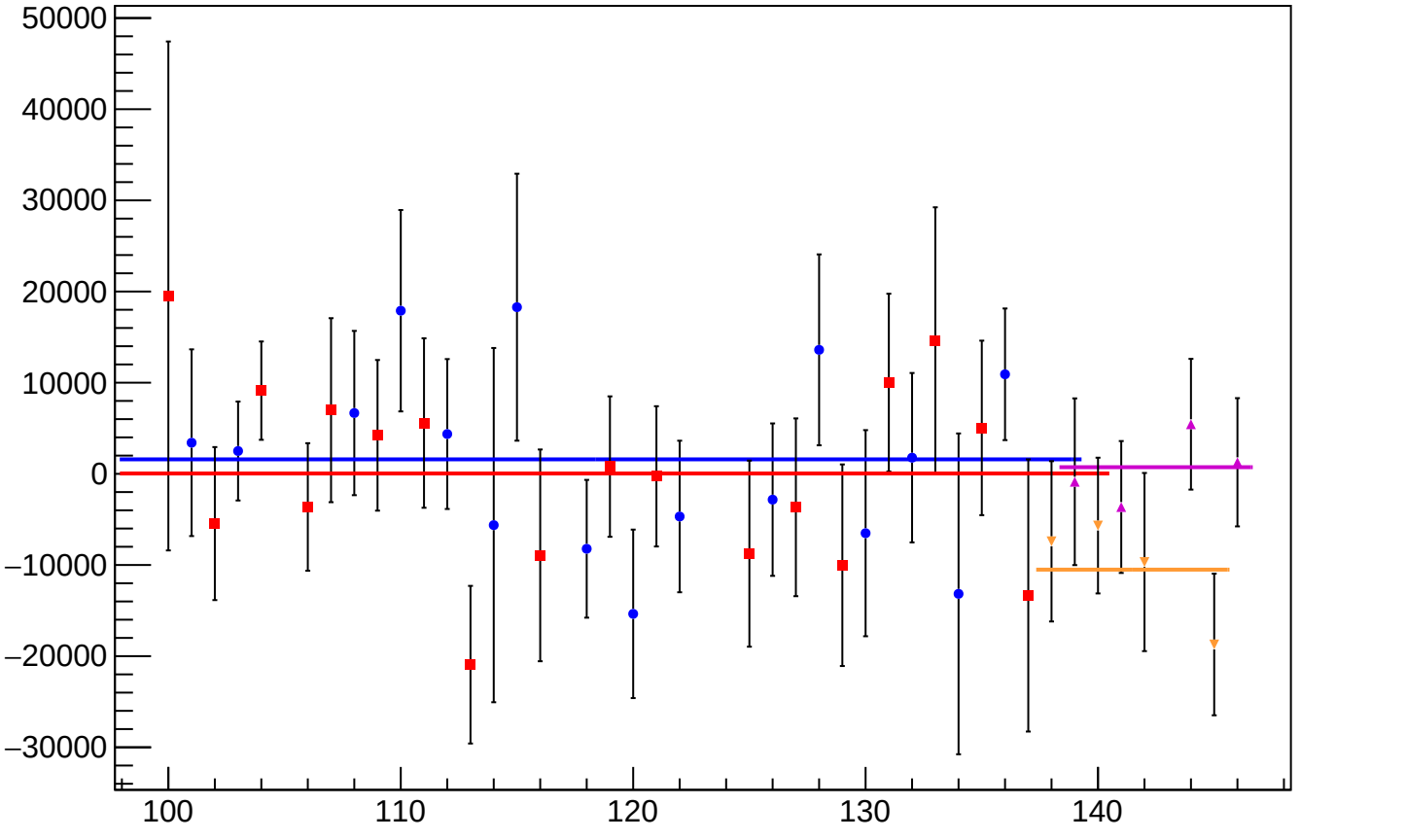
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

+ sign 1538.790+/-0.349 χ^2/NDF: 774611.4/19

All: 1530.730+/-0.242 χ^2/NDF: 1363500.5/41

- sign 1523.325+/-0.335 χ^2/NDF: 587867.2/21



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -10508.558+/-4151.530 χ^2/NDF:1.7/3

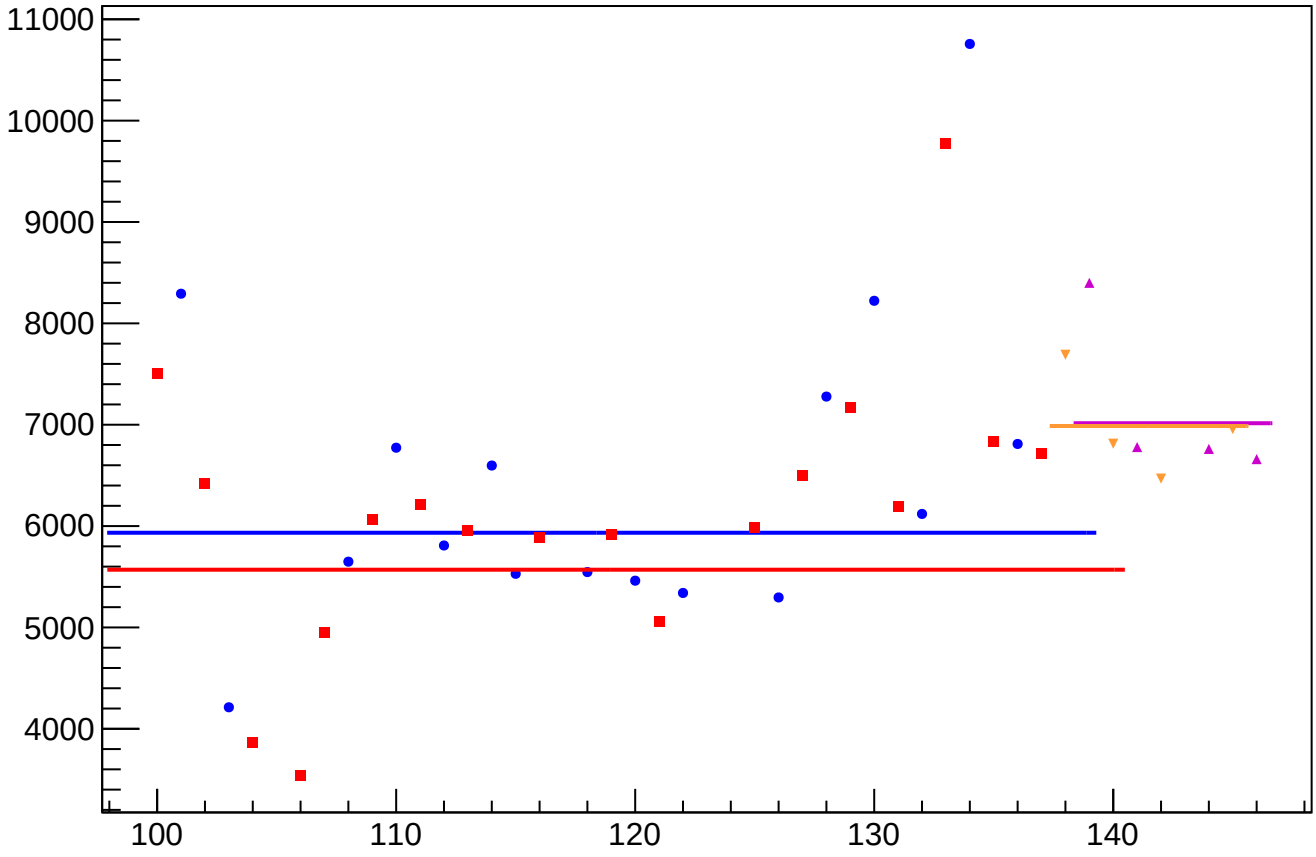
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 728.703+/-3760.577 χ^2/NDF:0.8/3

\+ sign -1184.831+/-1987.826 χ^2/NDF: 22.4/19

All: -440.396+/-1356.351 χ^2/NDF: 40.0/41

\- sign 208.127+/-1855.358 χ^2/NDF: 17.3/21



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6987.416+/-2.936 χ^2/NDF:19550.8/3

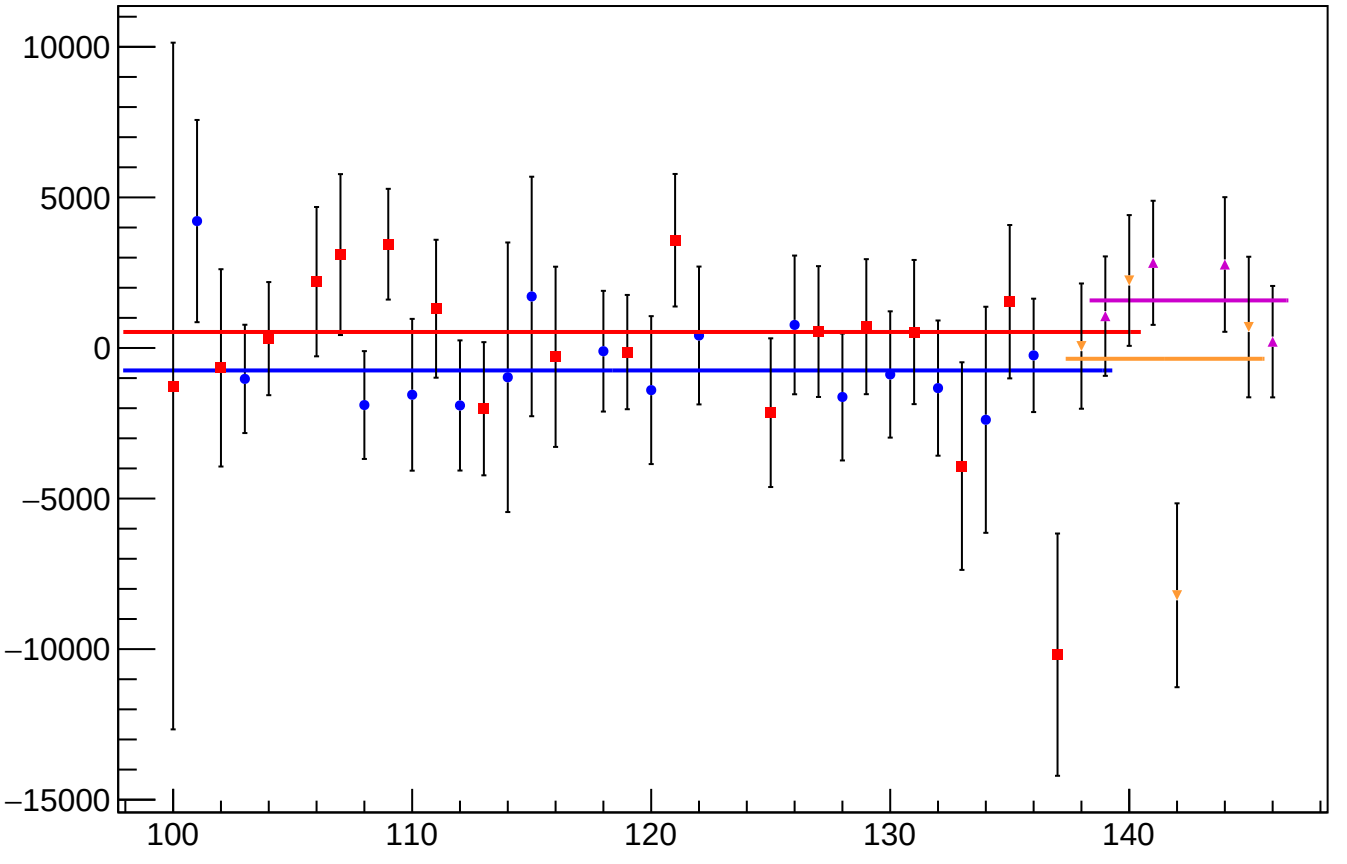
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7014.764+/-2.659 χ^2/NDF:55578.6/3

+ sign 6175.674+/-1.406 χ^2/NDF: 771841.4/19

All: 6039.772+/-0.959 χ^2/NDF: 1792425.9/41

- sign 5921.378+/-1.312 χ^2/NDF: 1003092.4/21



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: -358.668+/-1167.135 χ^2/NDF:8.3/3

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

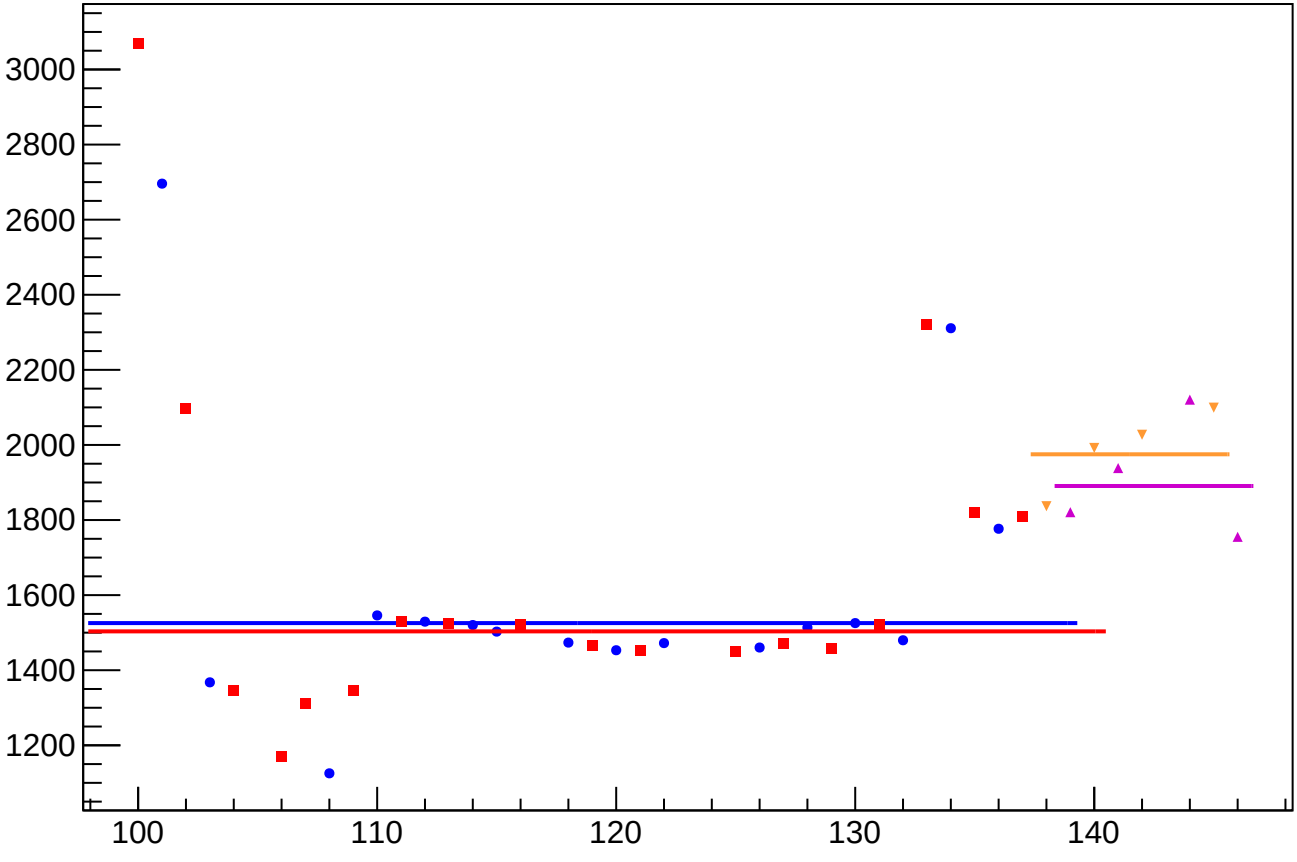
Left In: 1579.609+/-1009.094 χ^2/NDF:1.3/3

+ sign -669.631+/-518.014 χ^2/NDF: 13.1/19

All: 85.630+/-359.627 χ^2/NDF: 37.1/41

- sign 788.321+/-499.661 χ^2/NDF: 19.8/21

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1975.095+/-0.825 χ^2/NDF:15207.6/3

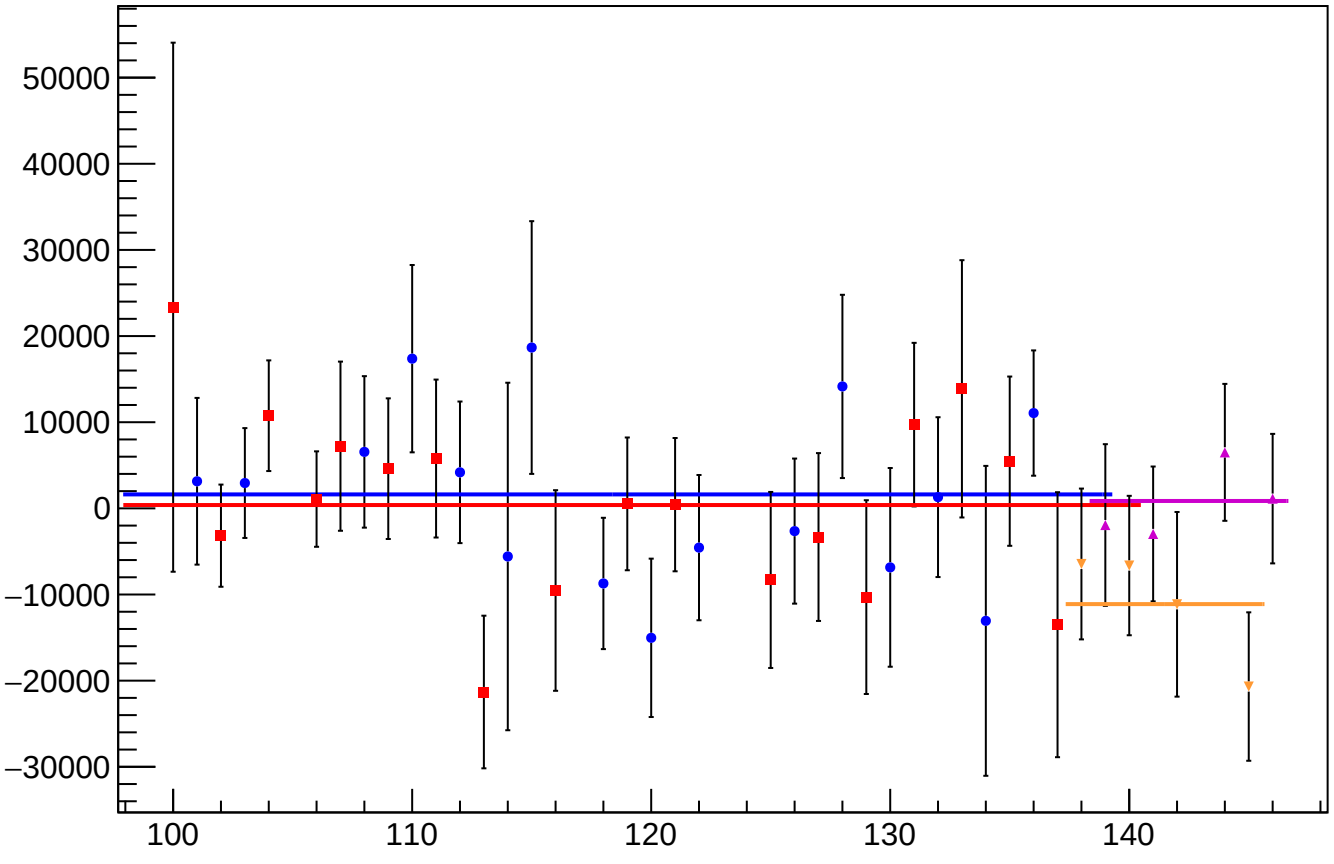
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1890.673+/-0.714 χ^2/NDF:35424.1/3

+ sign 1614.094+/-0.366 χ^2/NDF: 741812.8/19

All: 1605.929+/-0.254 χ^2/NDF: 1339049.0/41

- sign 1598.336+/-0.353 χ^2/NDF: 596277.3/21



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -11113.752+/-4450.007 χ^2/NDF:1.8/3

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

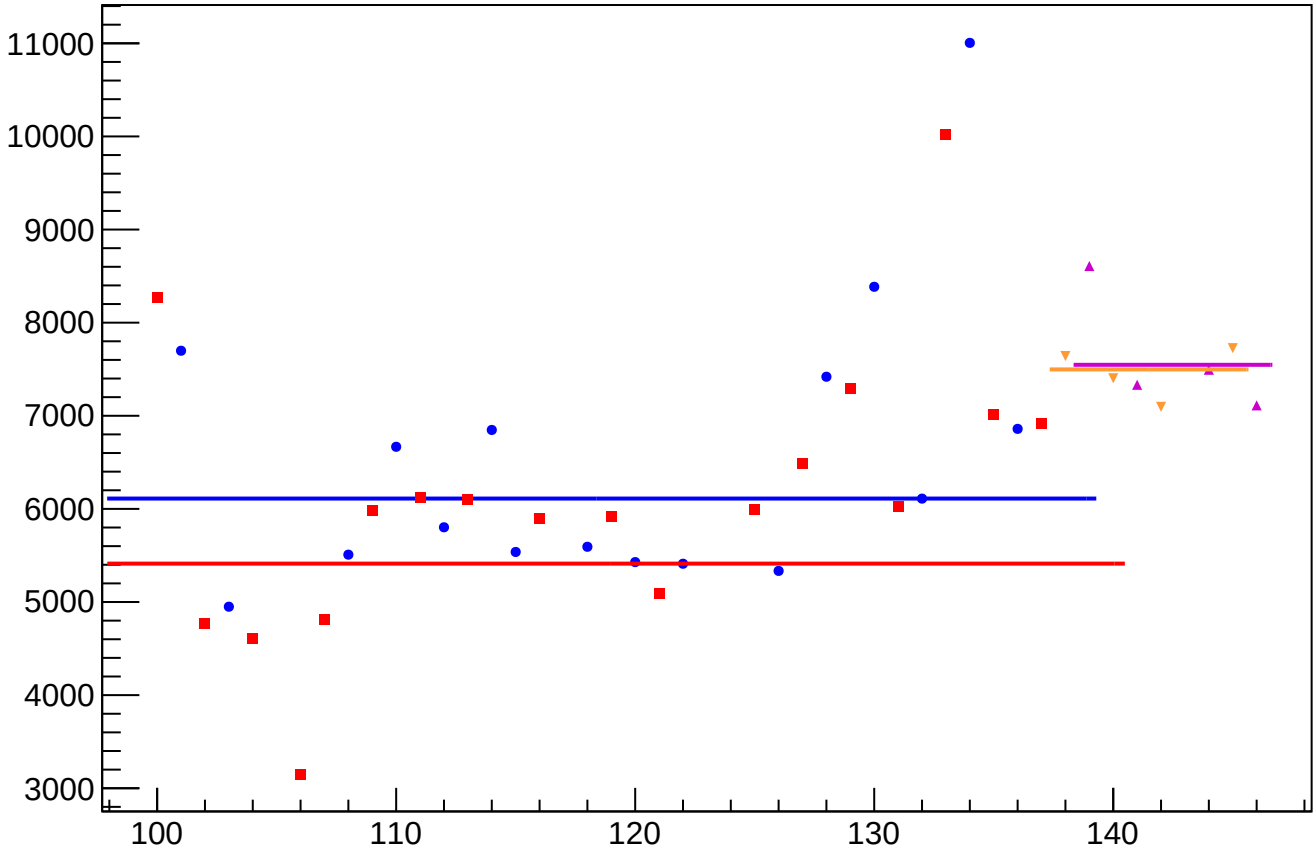
Left In: 857.706+/-4041.644 χ^2/NDF:0.8/3

+ sign -1101.406+/-2057.229 χ^2/NDF: 22.5/19

All: -219.281+/-1369.794 χ^2/NDF: 39.7/41

- sign 483.292+/-1835.962 χ^2/NDF: 16.8/21

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7497.856+/-3.147 χ^2/NDF:5035.2/3

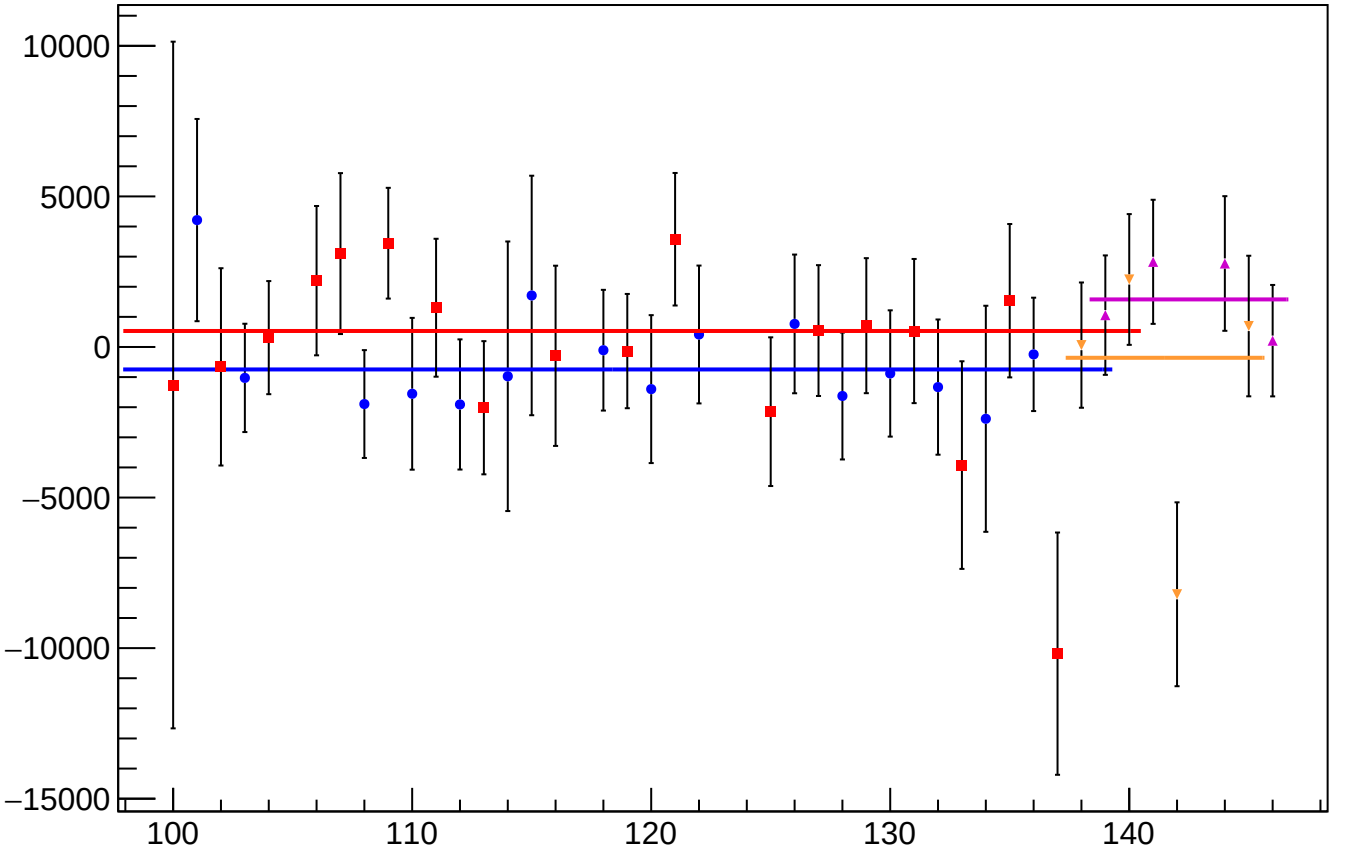
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7547.372+/-2.858 χ^2/NDF:33872.0/3

+ sign 6407.427+/-1.455 χ^2/NDF: 629427.1/19

All: 6098.726+/-0.969 χ^2/NDF: 2008702.5/41

- sign 5852.860+/-1.298 χ^2/NDF: 1298374.0/21



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: -358.694+/-1167.137 χ^2/NDF:8.3/3

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

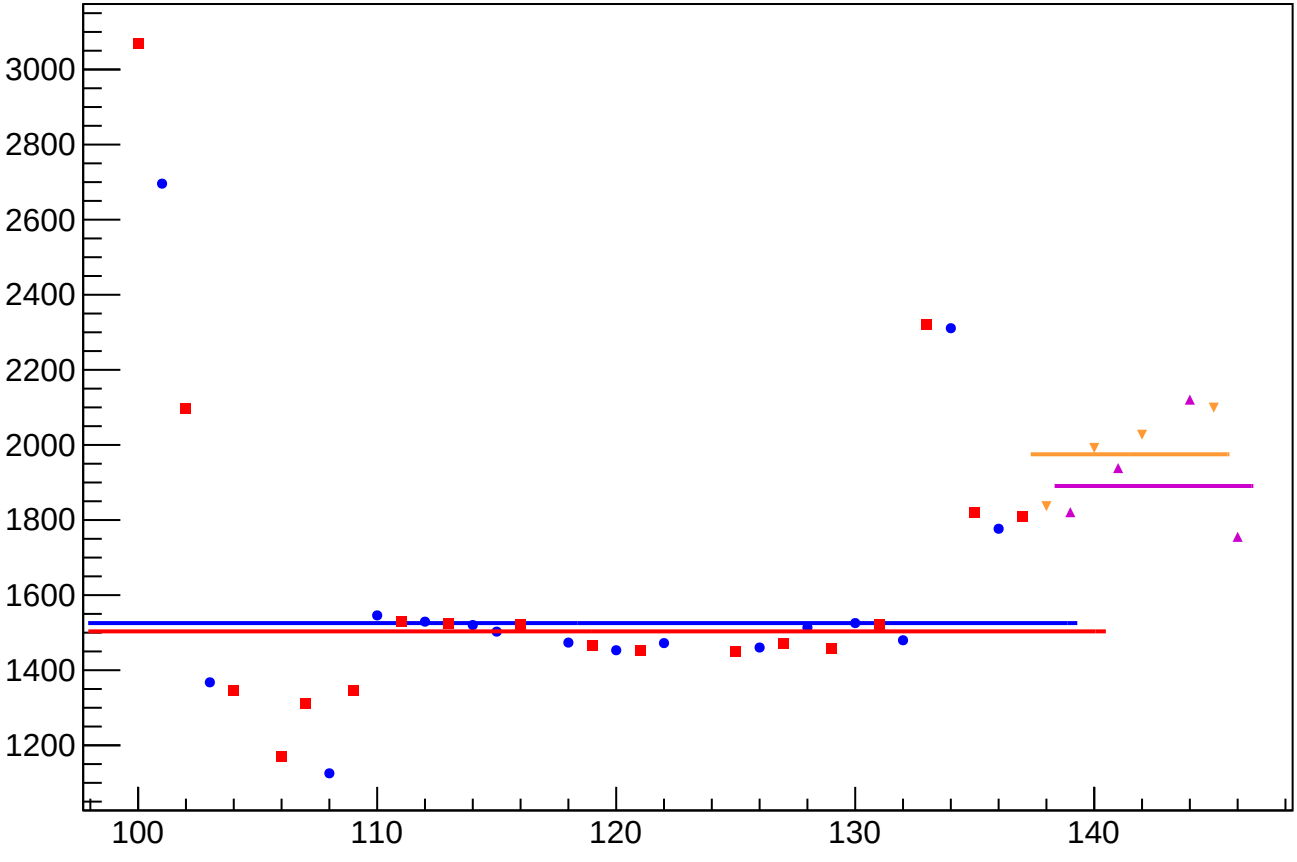
Left In: 1579.604+/-1009.096 χ^2/NDF:1.3/3

+ sign -669.640+/-518.015 χ^2/NDF: 13.1/19

All: 85.628+/-359.627 χ^2/NDF: 37.1/41

- sign 788.326+/-499.662 χ^2/NDF: 19.8/21

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: 1975.097+/-0.825 χ^2/NDF:15208.1/3

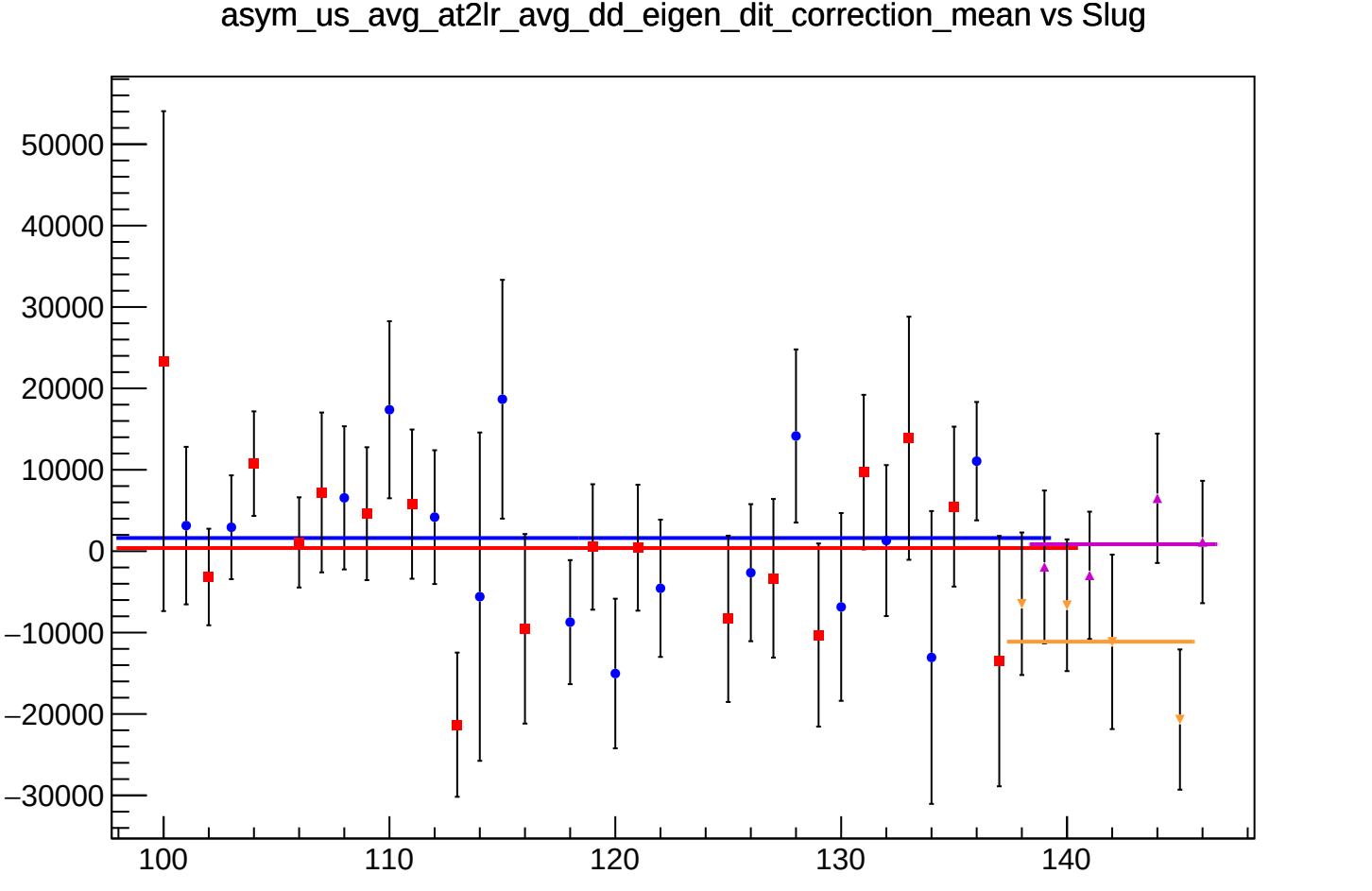
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1890.676+/-0.714 χ^2/NDF:35424.0/3

+ sign 1614.094+/-0.366 χ^2/NDF: 741815.1/19

All: 1605.930+/-0.254 χ^2/NDF: 1339054.0/41

- sign 1598.337+/-0.353 χ^2/NDF: 596280.1/21



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -11113.782+/-4450.015 χ^2/NDF:1.8/3

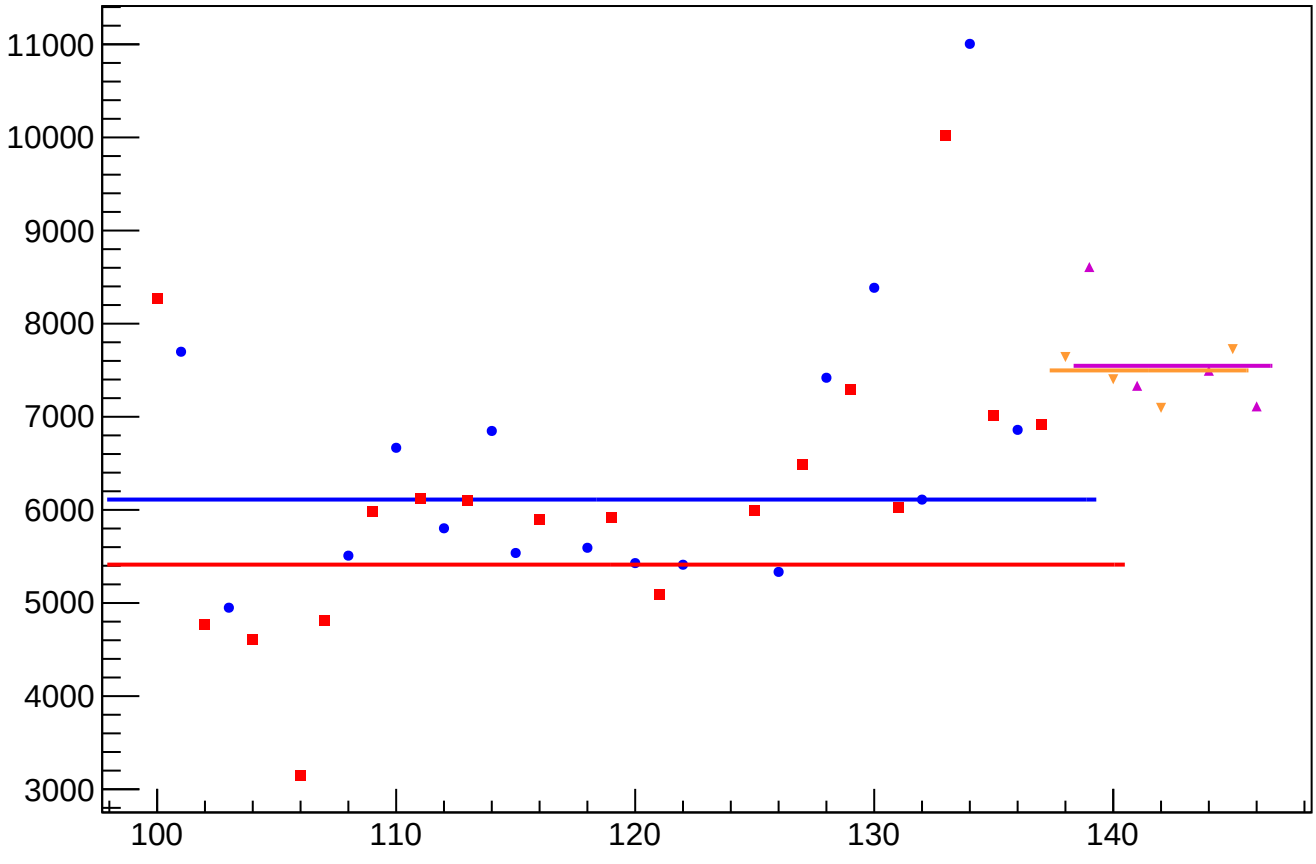
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 857.698+/-4041.651 χ^2/NDF:0.8/3

+ sign -1101.411+/-2057.227 χ^2/NDF: 22.5/19

All: -219.282+/-1369.793 χ^2/NDF: 39.7/41

- sign 483.295+/-1835.960 χ^2/NDF: 16.8/21



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7497.869+/-3.147 χ^2/NDF:5035.4/3

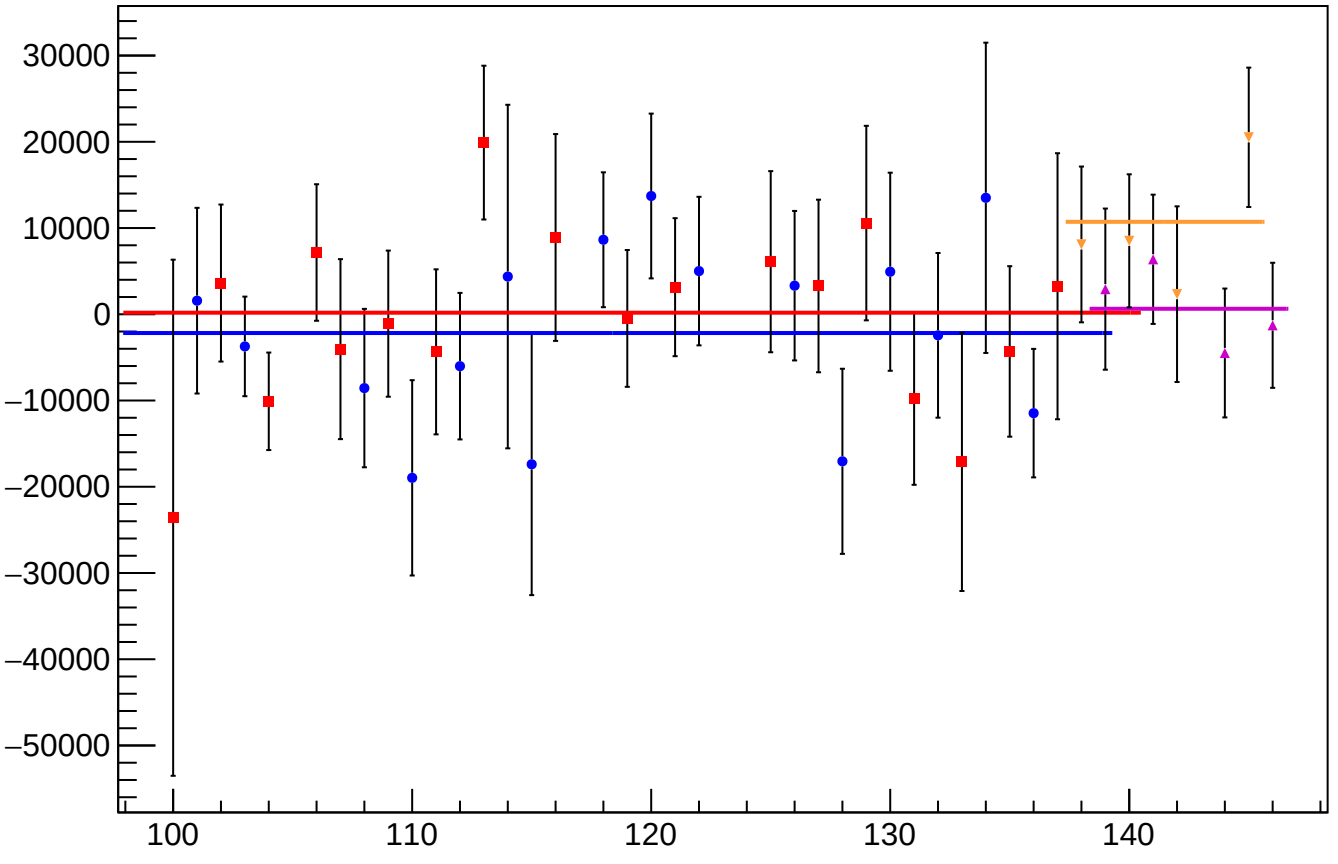
Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7547.384+/-2.858 χ^2/NDF:33872.5/3

+ sign 6407.417+/-1.455 χ^2/NDF: 629435.1/19

All: 6098.717+/-0.969 χ^2/NDF: 2008720.1/41

- sign 5852.851+/-1.298 χ^2/NDF: 1298383.5/21



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 10720.774+/-4302.273 χ^2/NDF:2.3/3

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

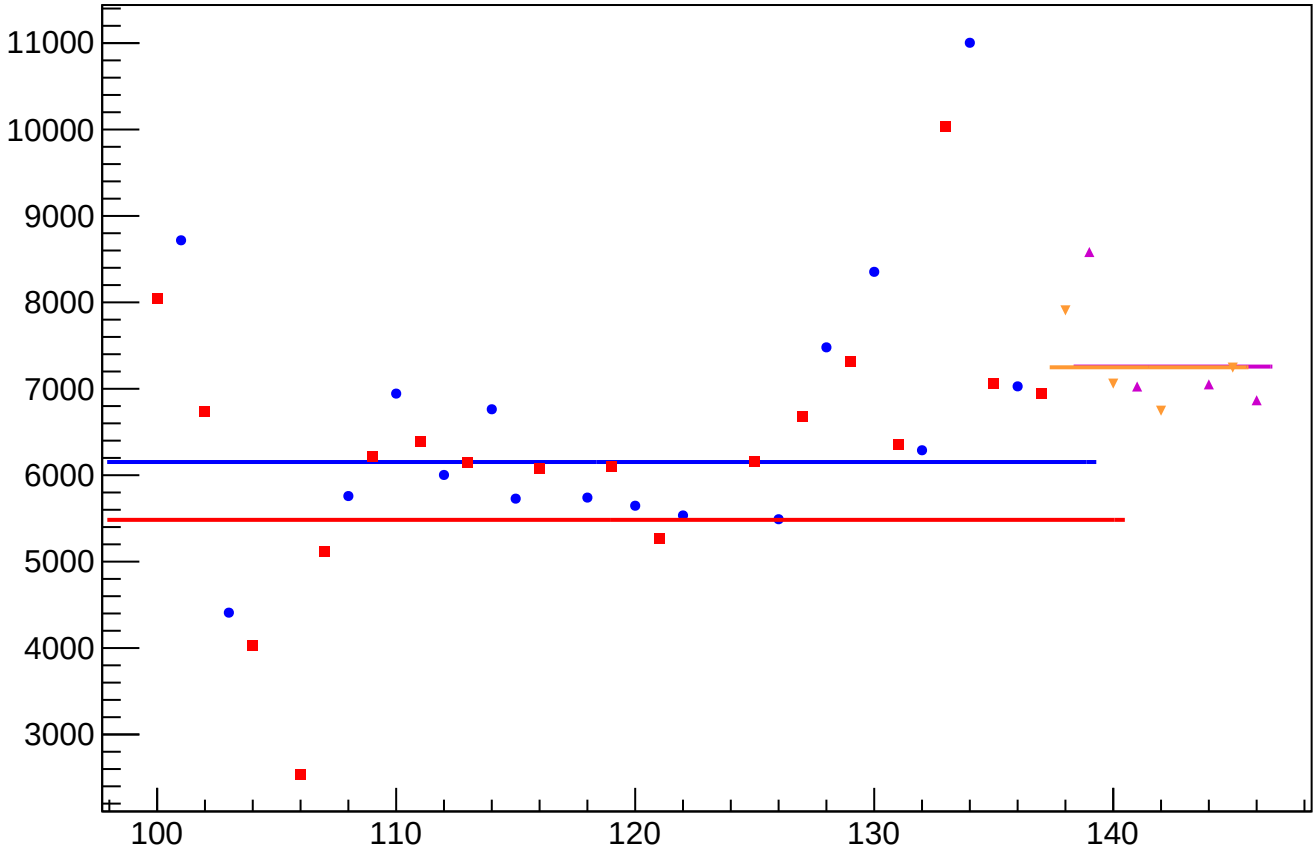
Left In: 637.907+/-3886.815 χ^2/NDF:1.2/3

\+ sign 784.609+/-2060.808 χ^2/NDF: 23.8/19

All: 524.748+/-1410.062 χ^2/NDF: 39.7/41

\- sign 295.994+/-1933.529 χ^2/NDF: 15.9/21

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7248.671+/-3.042 χ^2/NDF:16702.5/3

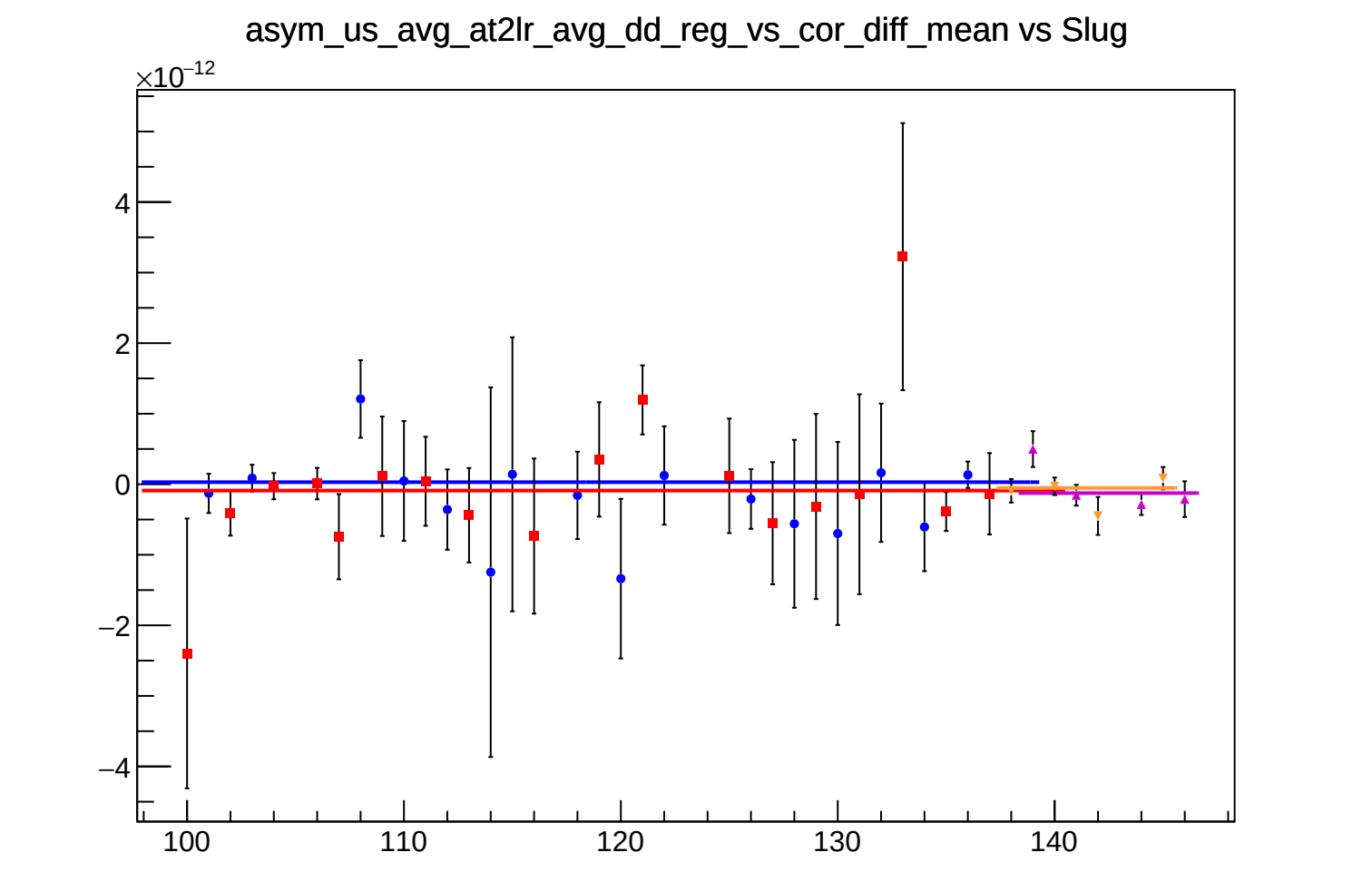
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

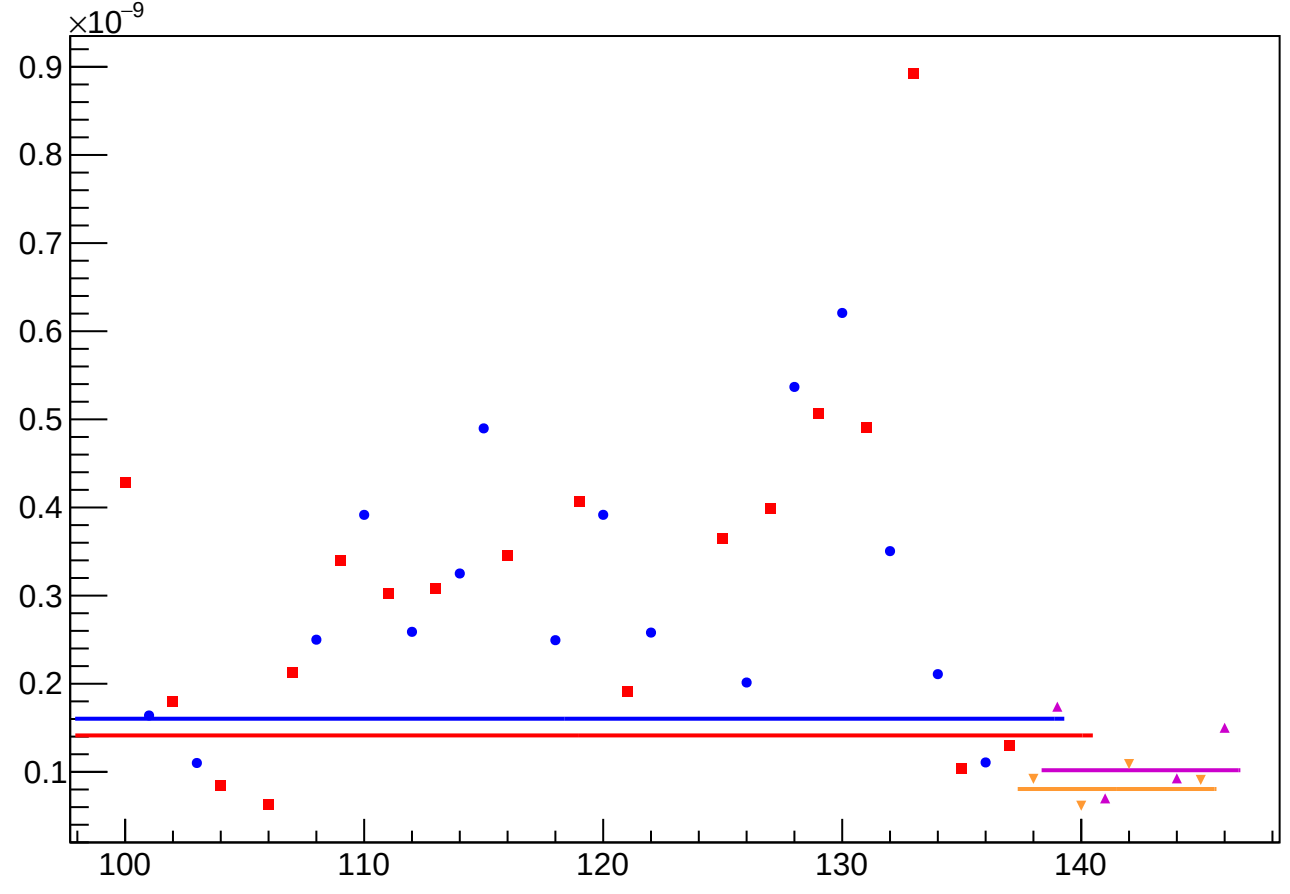
Left In: 7256.907+/-2.748 χ^2/NDF:49449.7/3

+ sign 6404.155+/-1.457 χ^2/NDF: 740739.5/19

All: 6128.267+/-0.982 χ^2/NDF: 2323539.2/41

- sign 5898.523+/-1.330 χ^2/NDF: 1517105.7/21


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
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:3.0/3
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/17
Left In: -0.000+/-0.000 χ²/NDF:7.3/3
+ sign -0.000+/-0.000 χ²/NDF: 13.0/19
All: -0.000+/-0.000 χ²/NDF: 37.7/41
- sign -0.000+/-0.000 χ²/NDF: 23.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:86459.7/3

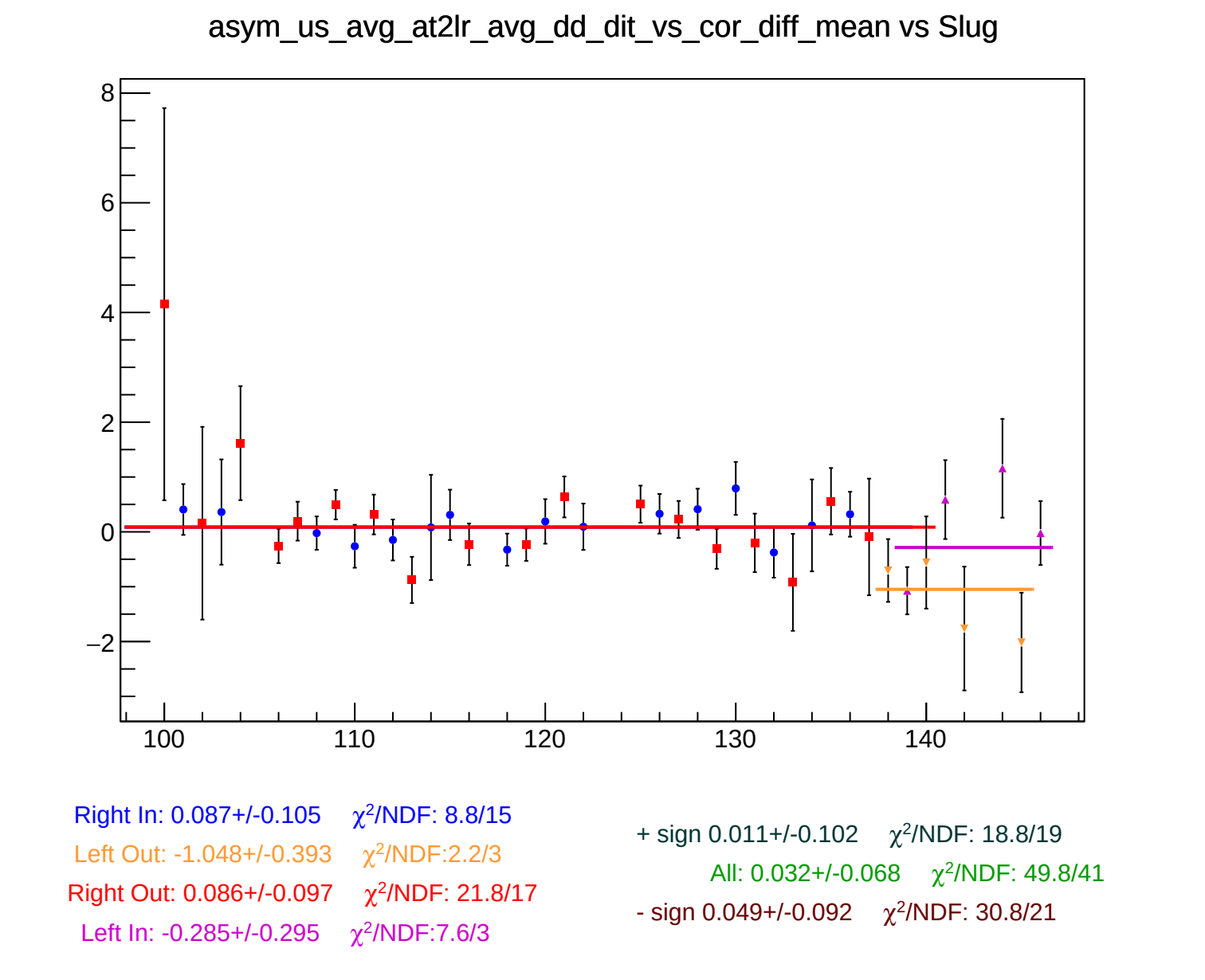
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

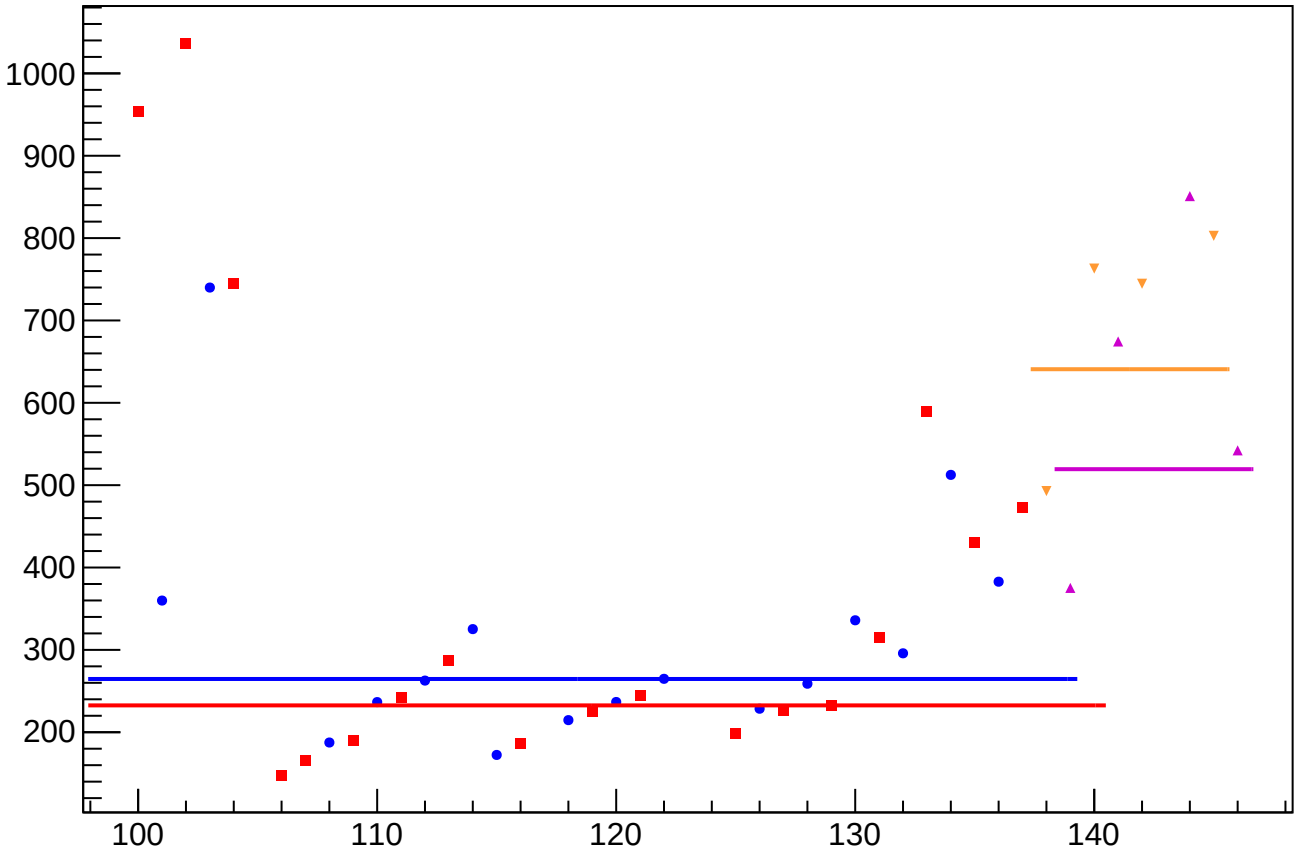
Left In: 0.000+/-0.000 χ^2/NDF:334614.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 2153306.5/19

All: 0.000+/-0.000 χ^2/NDF: 4837015.1/41

- sign 0.000+/-0.000 χ^2/NDF: 2666393.7/21


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -1.048+/-0.393 χ²/NDF:2.2/3
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.285+/-0.295 χ²/NDF:7.6/3
+ sign 0.011+/-0.102 χ²/NDF: 18.8/19
All: 0.032+/-0.068 χ²/NDF: 49.8/41
- sign 0.049+/-0.092 χ²/NDF: 30.8/21



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 640.795+/-0.278 χ^2/NDF:256411.8/3

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

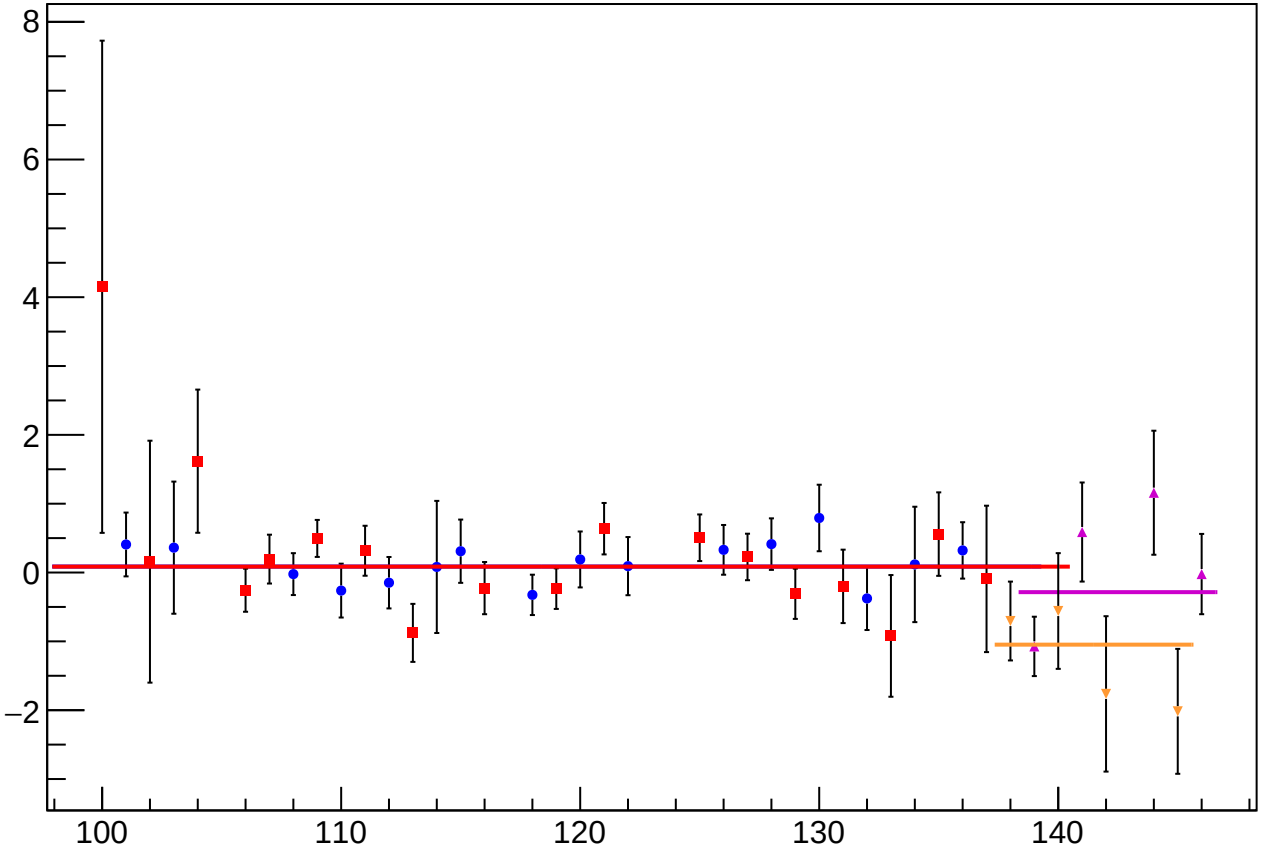
Left In: 519.421+/-0.209 χ^2/NDF:590313.5/3

+ sign 289.723+/-0.072 χ^2/NDF: 3247478.1/19

All: 273.873+/-0.048 χ^2/NDF: 7663150.4/41

- sign 260.731+/-0.065 χ^2/NDF: 4326496.6/21

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -1.048+/-0.393 χ^2/NDF:2.2/3

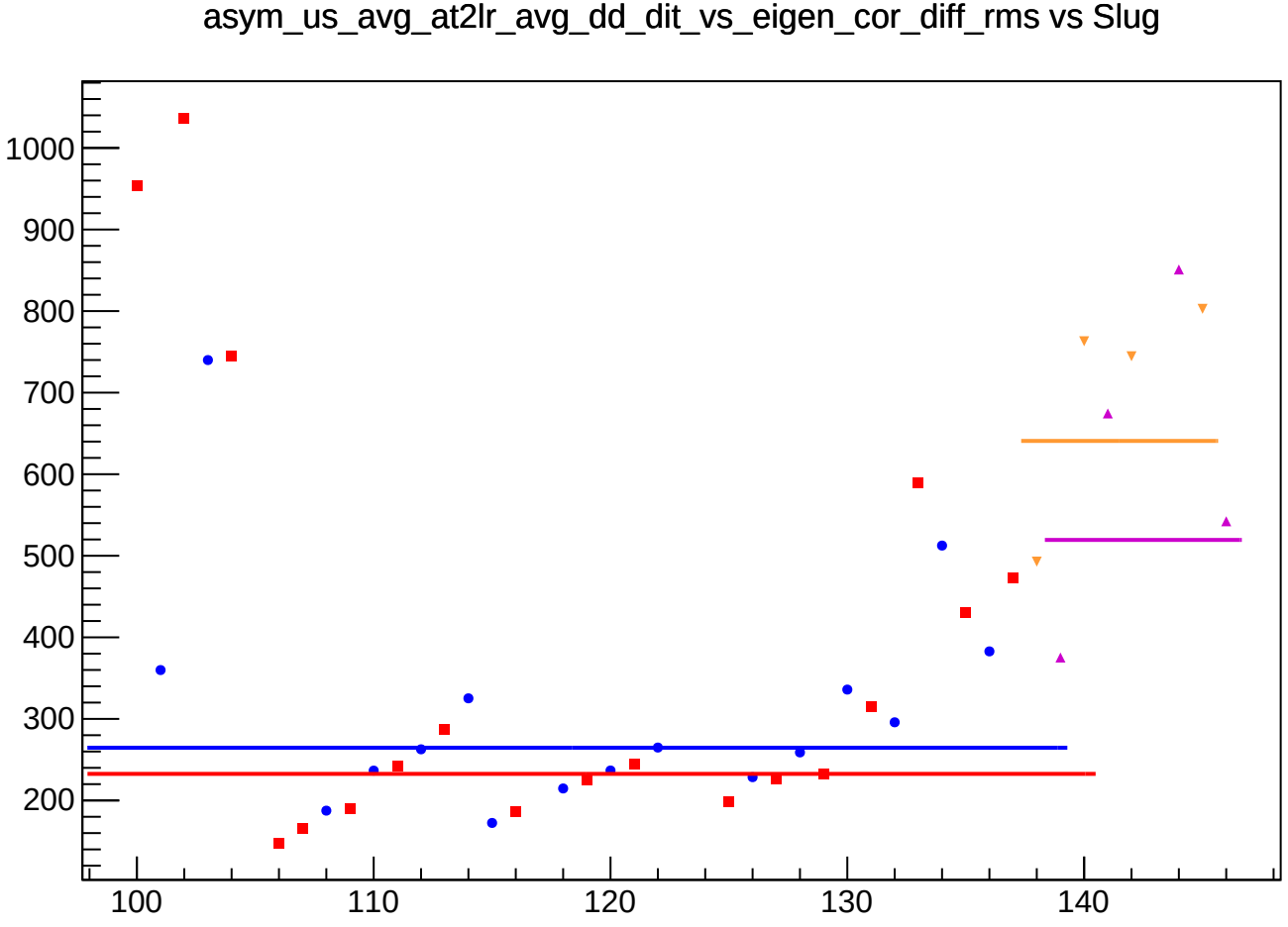
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.285+/-0.295 χ^2/NDF:7.6/3

+ sign 0.011+/-0.102 χ^2/NDF: 18.8/19

All: 0.032+/-0.068 χ^2/NDF: 49.8/41

- sign 0.049+/-0.092 χ^2/NDF: 30.8/21



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 640.795+/-0.278 χ^2/NDF:256411.8/3

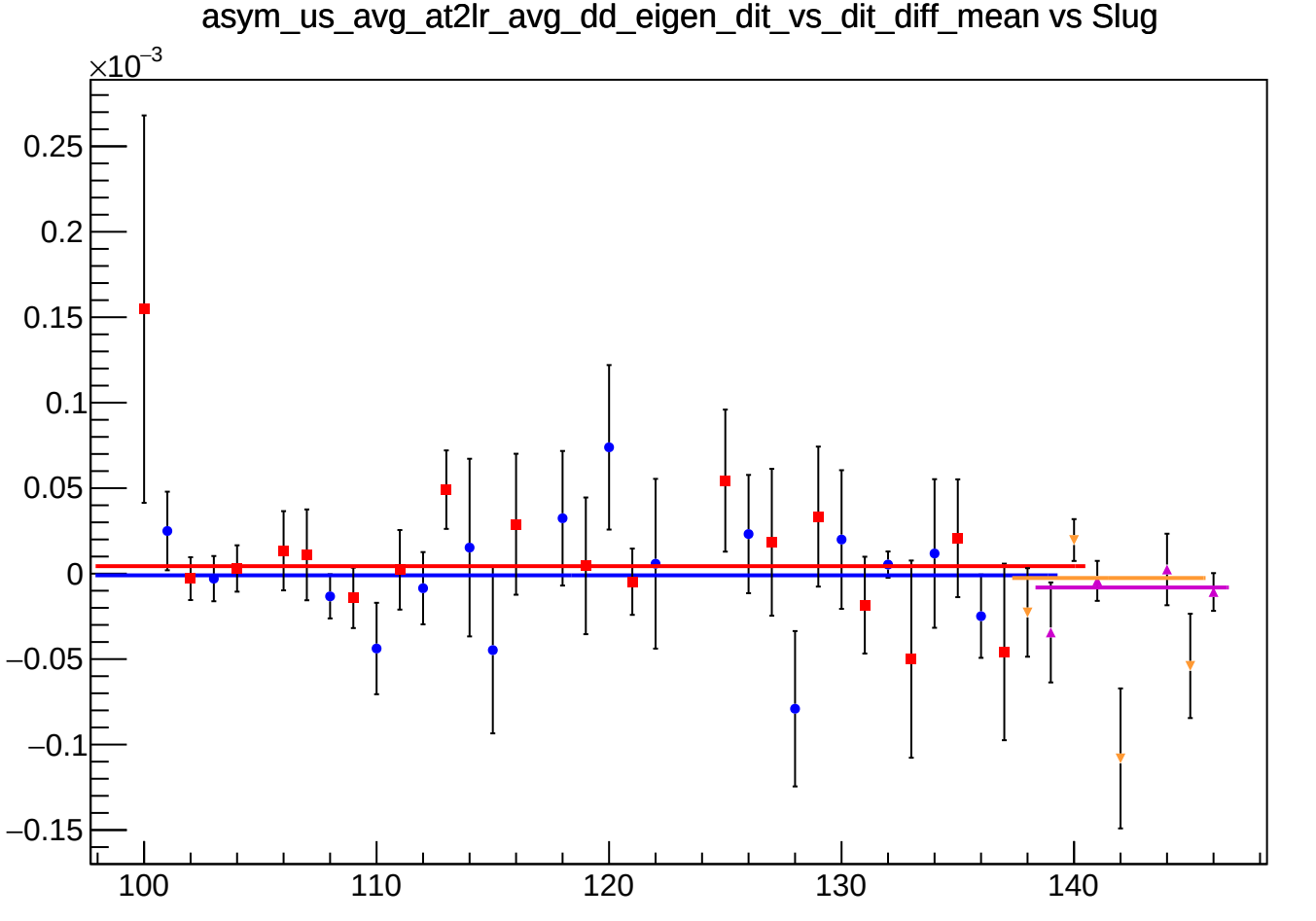
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 519.421+/-0.209 χ^2/NDF:590313.5/3

+ sign 289.723+/-0.072 χ^2/NDF: 3247478.1/19

All: 273.873+/-0.048 χ^2/NDF: 7663150.4/41

- sign 260.731+/-0.065 χ^2/NDF: 4326496.6/21



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/3

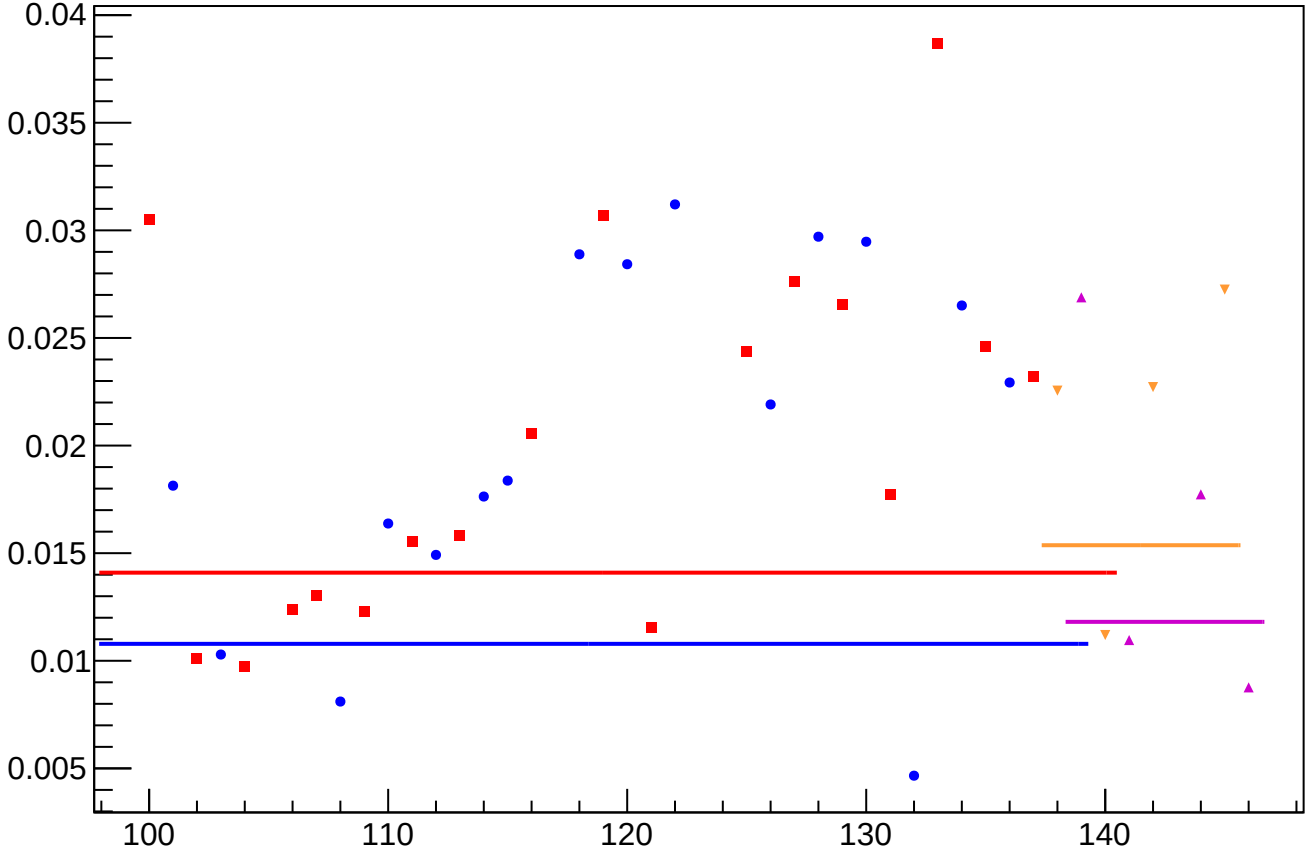
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/19

All: -0.000+/-0.000 χ^2/NDF: 43.4/41

- sign -0.000+/-0.000 χ^2/NDF: 15.6/21



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.015+/-0.000 χ^2/NDF:753997.6/3

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

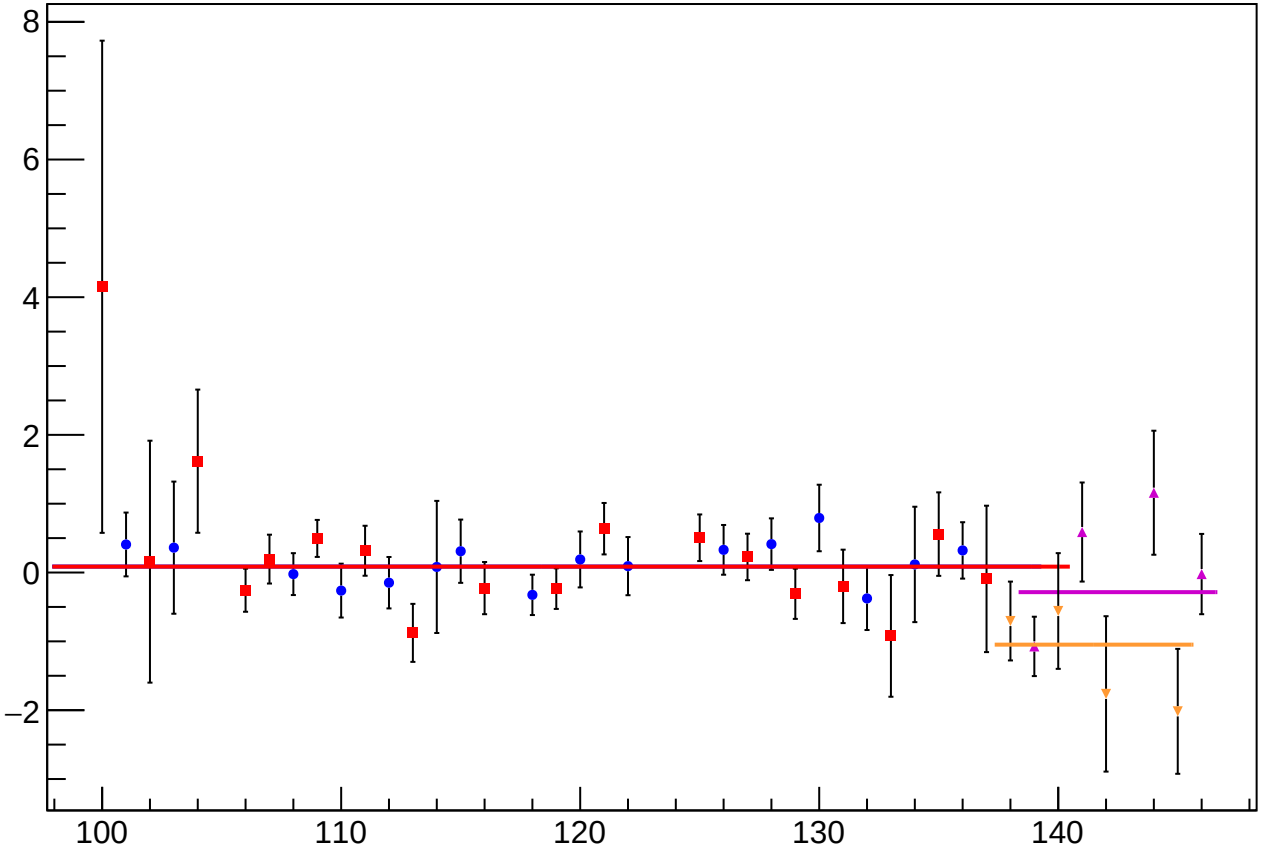
Left In: 0.012+/-0.000 χ^2/NDF:854148.9/3

+ sign 0.012+/-0.000 χ^2/NDF: 5666717.5/19

All: 0.012+/-0.000 χ^2/NDF: 8845966.1/41

- sign 0.013+/-0.000 χ^2/NDF: 3061245.0/21

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -1.048+/-0.393 χ^2/NDF:2.2/3

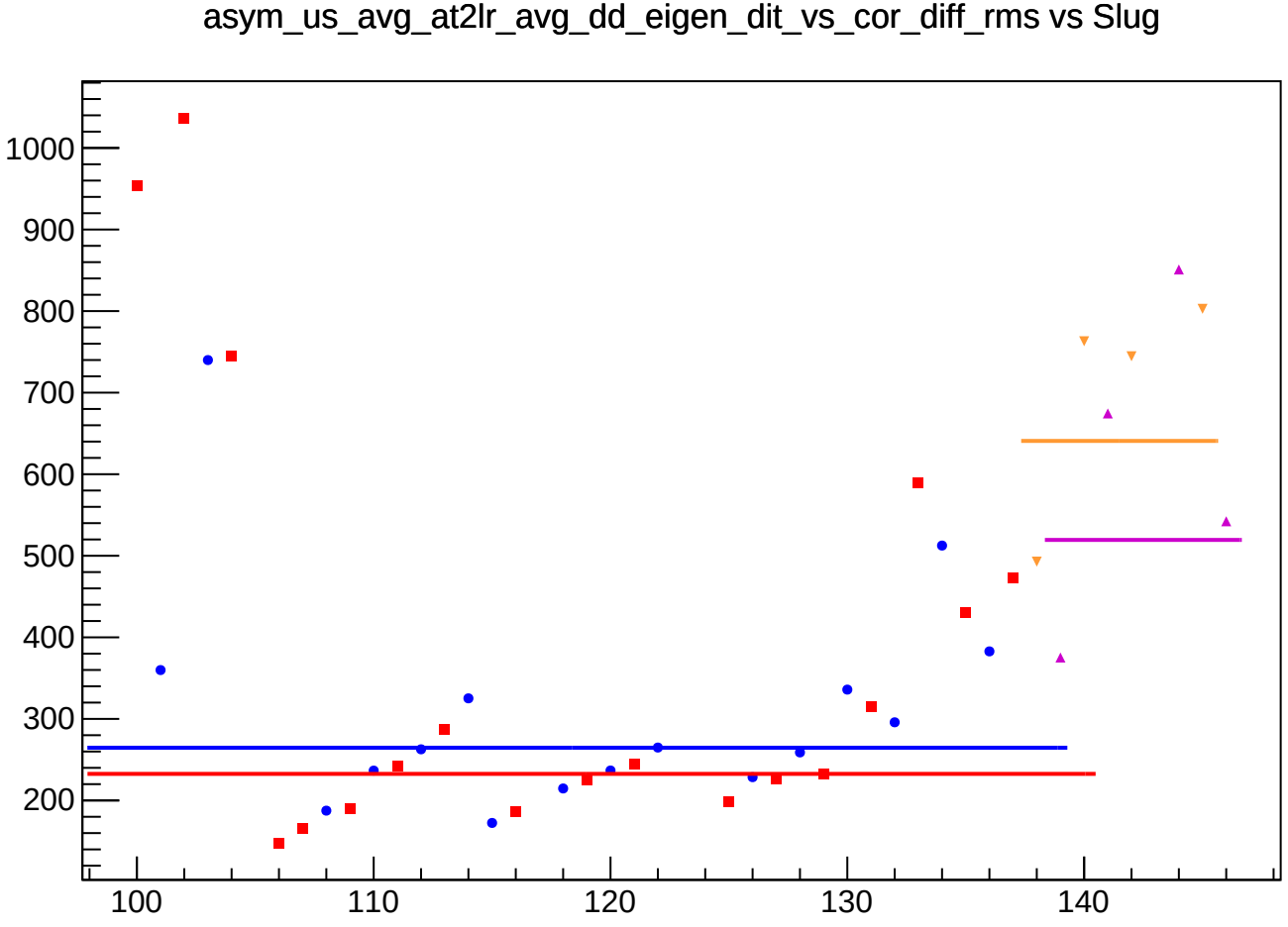
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.285+/-0.295 χ^2/NDF:7.6/3

+ sign 0.011+/-0.102 χ^2/NDF: 18.8/19

All: 0.032+/-0.068 χ^2/NDF: 49.8/41

- sign 0.049+/-0.092 χ^2/NDF: 30.8/21



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 640.802+/-0.278 χ^2/NDF:256412.0/3

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

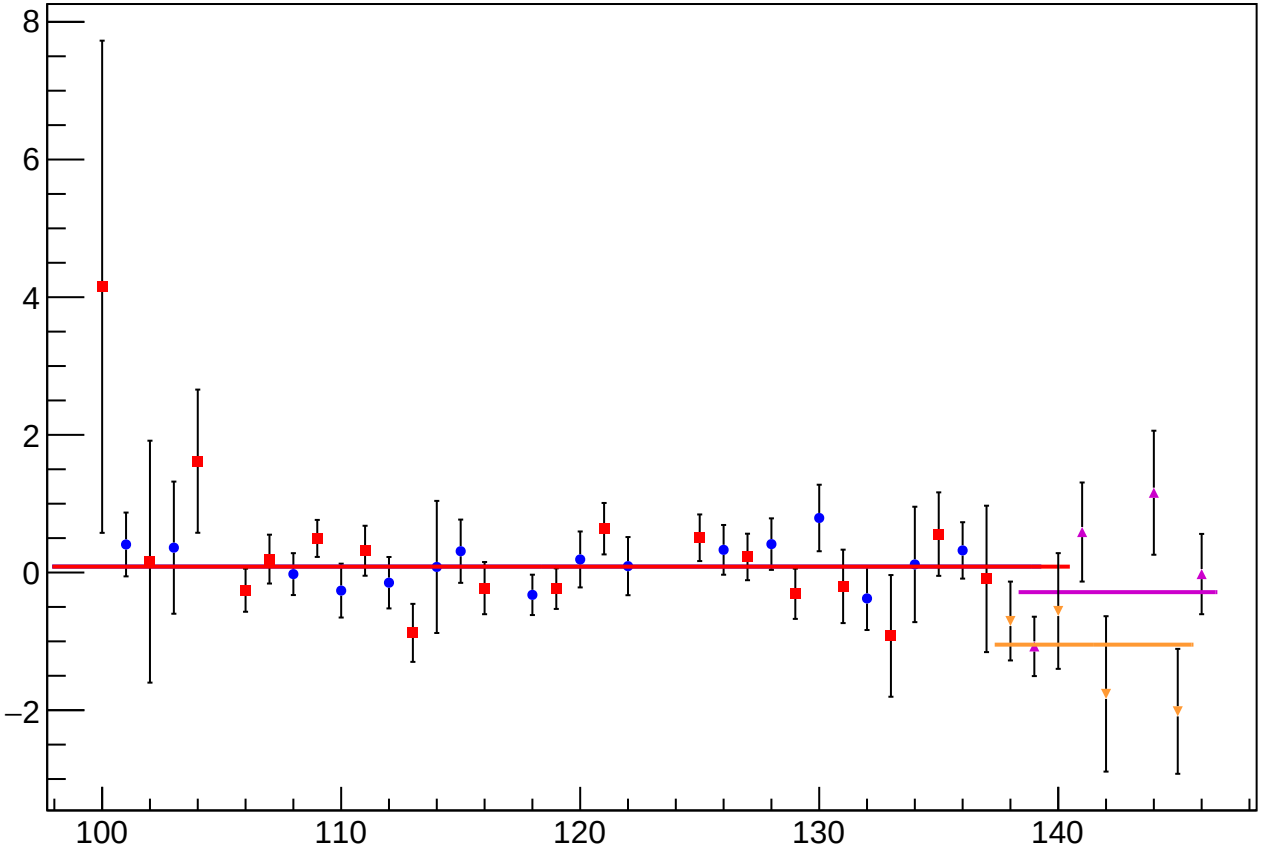
Left In: 519.430+/-0.209 χ^2/NDF:590291.1/3

+ sign 289.723+/-0.072 χ^2/NDF: 3247483.5/19

All: 273.873+/-0.048 χ^2/NDF: 7663169.3/41

- sign 260.732+/-0.065 χ^2/NDF: 4326516.8/21

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: -1.048+/-0.393 χ^2/NDF:2.2/3

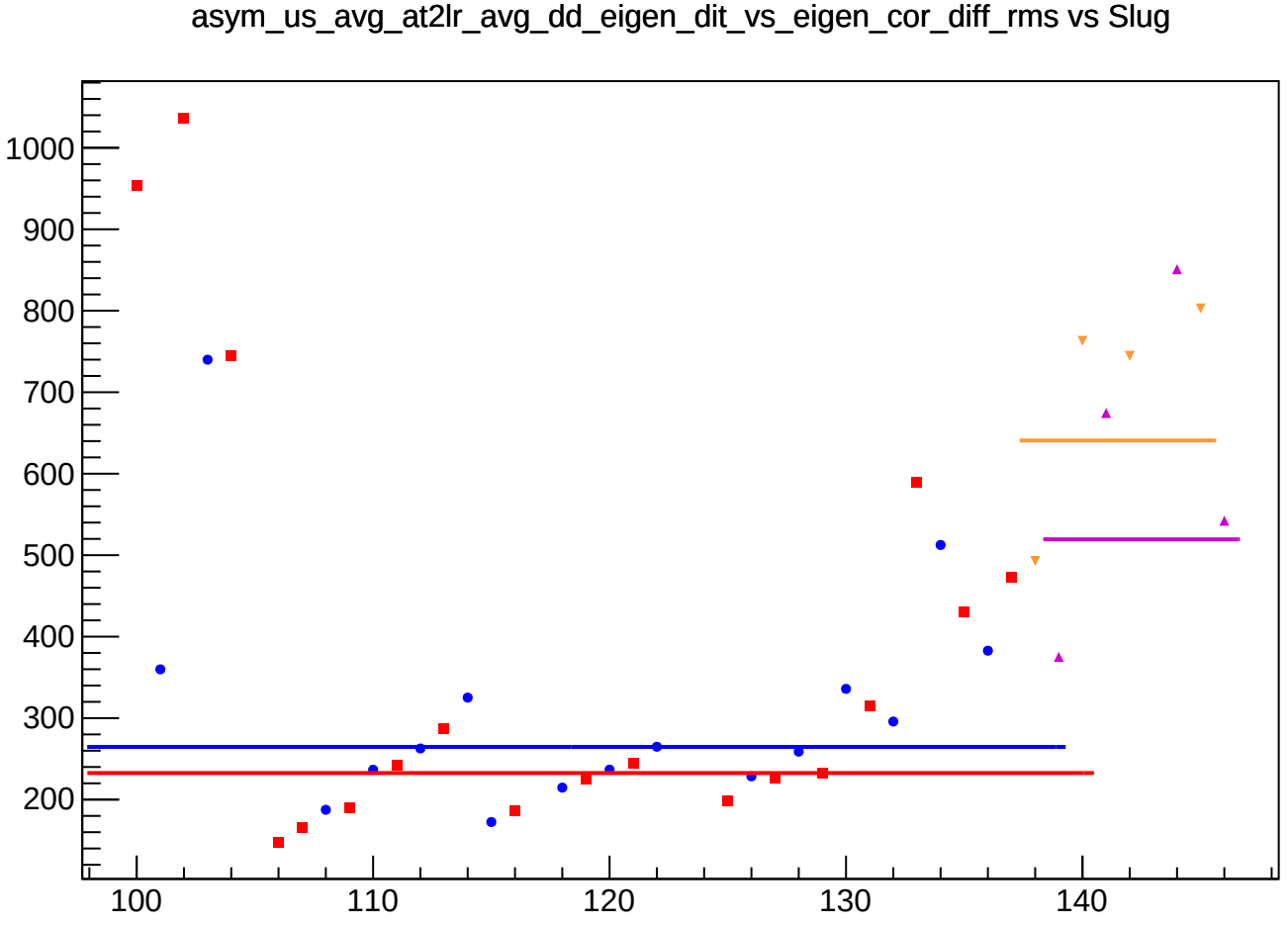
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.285+/-0.295 χ^2/NDF:7.6/3

+ sign 0.011+/-0.102 χ^2/NDF: 18.8/19

All: 0.032+/-0.068 χ^2/NDF: 49.8/41

- sign 0.049+/-0.092 χ^2/NDF: 30.8/21



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 640.802+/-0.278 χ^2/NDF:256412.0/3

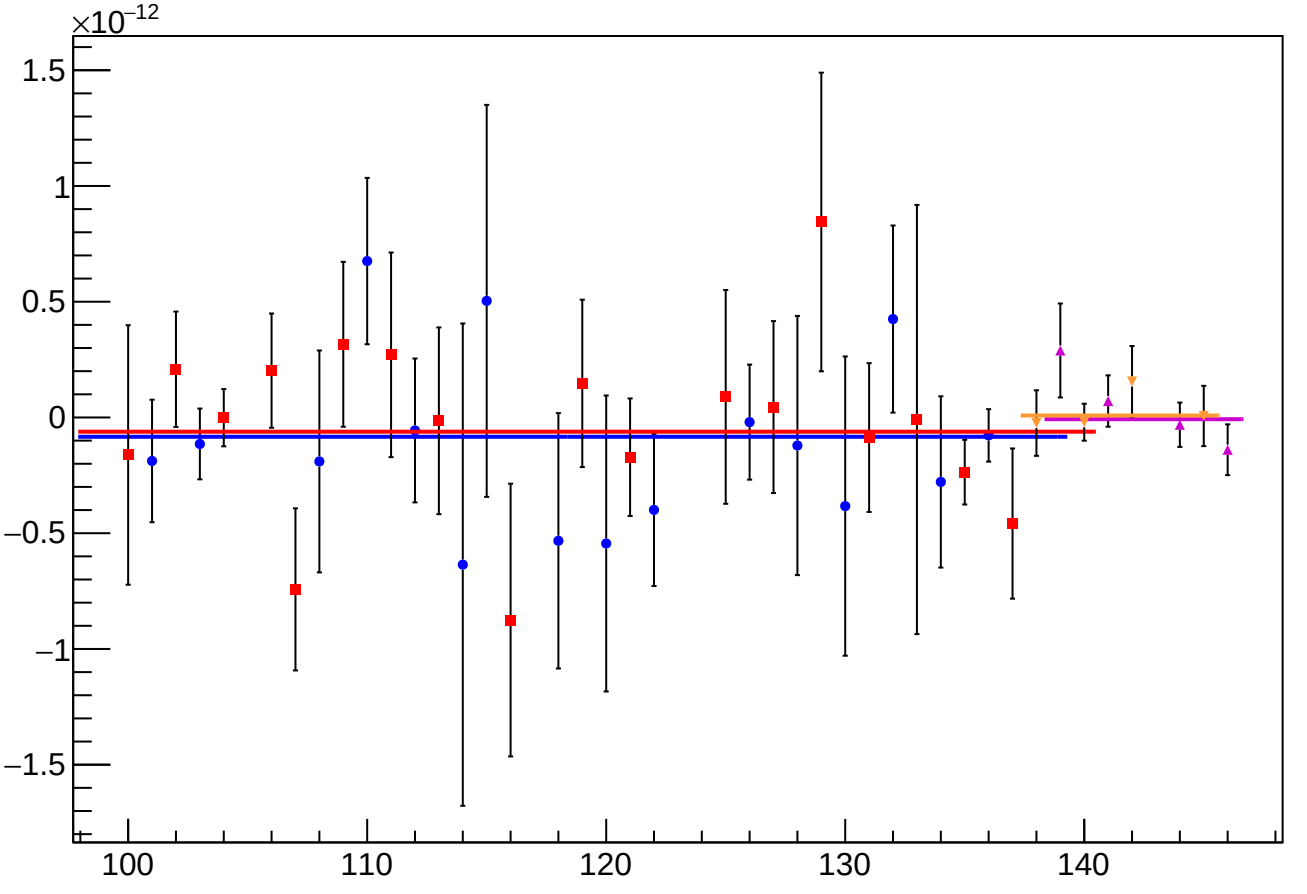
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 519.430+/-0.209 χ^2/NDF:590291.1/3

+ sign 289.723+/-0.072 χ^2/NDF: 3247483.5/19

All: 273.873+/-0.048 χ^2/NDF: 7663169.3/41

- sign 260.732+/-0.065 χ^2/NDF: 4326516.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/3

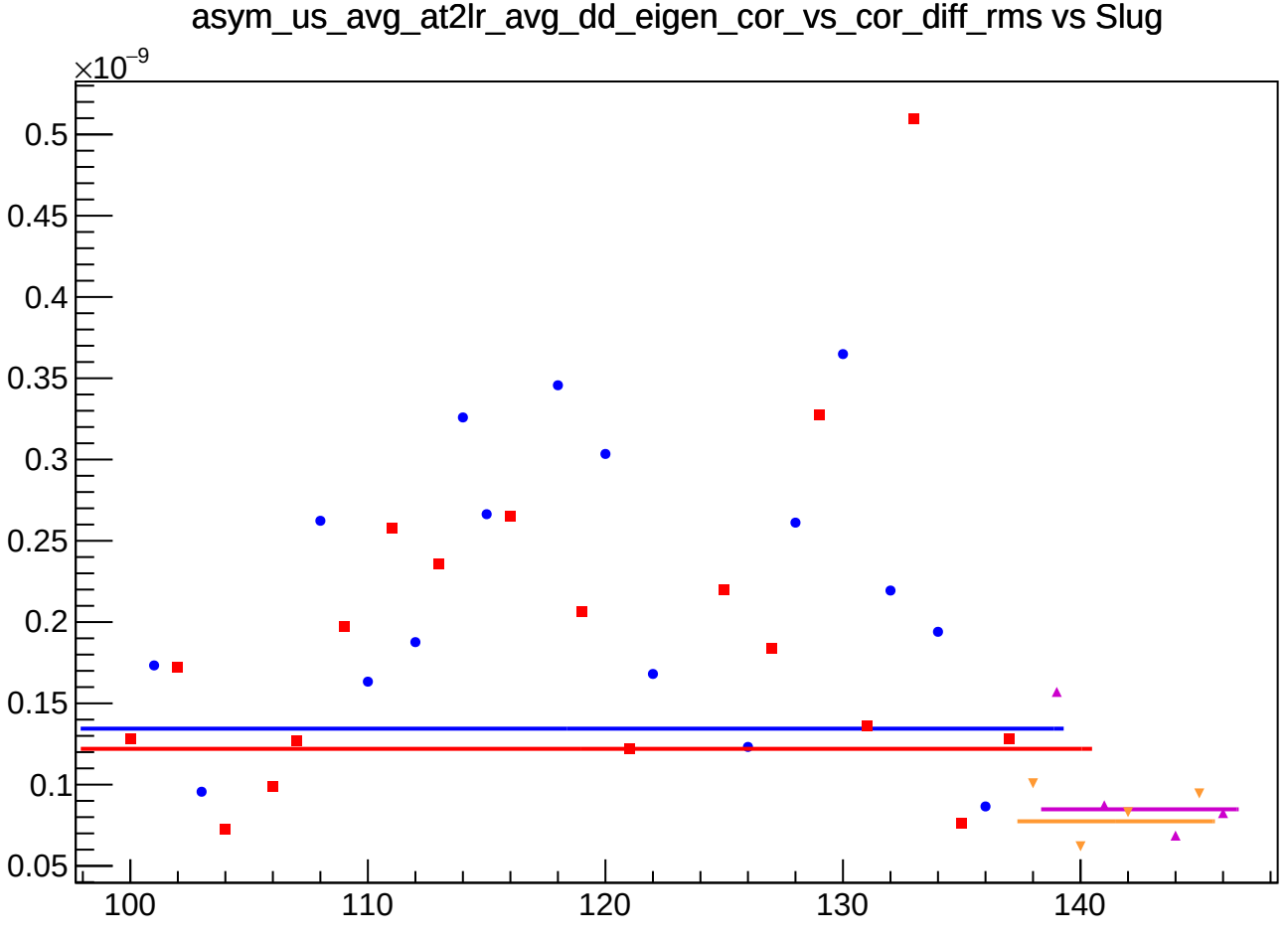
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:4.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 11.9/19

All: -0.000+/-0.000 χ^2/NDF: 32.2/41

- sign -0.000+/-0.000 χ^2/NDF: 20.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:166026.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

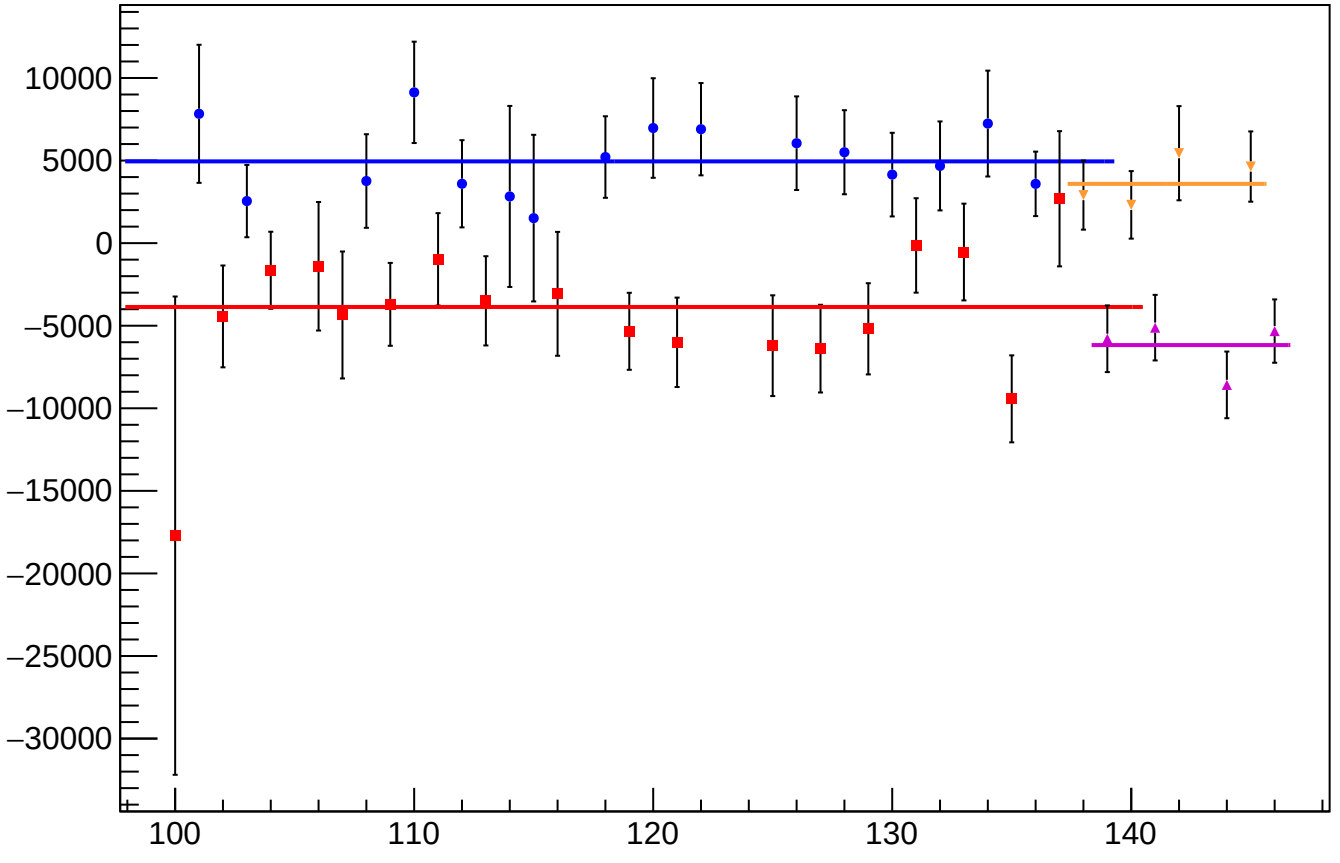
Left In: 0.000+/-0.000 χ^2/NDF:312292.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 2792954.3/19

All: 0.000+/-0.000 χ^2/NDF: 5477278.2/41

- sign 0.000+/-0.000 χ^2/NDF: 2683892.6/21

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3589.490+/-1110.002 χ^2/NDF:1.2/3

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

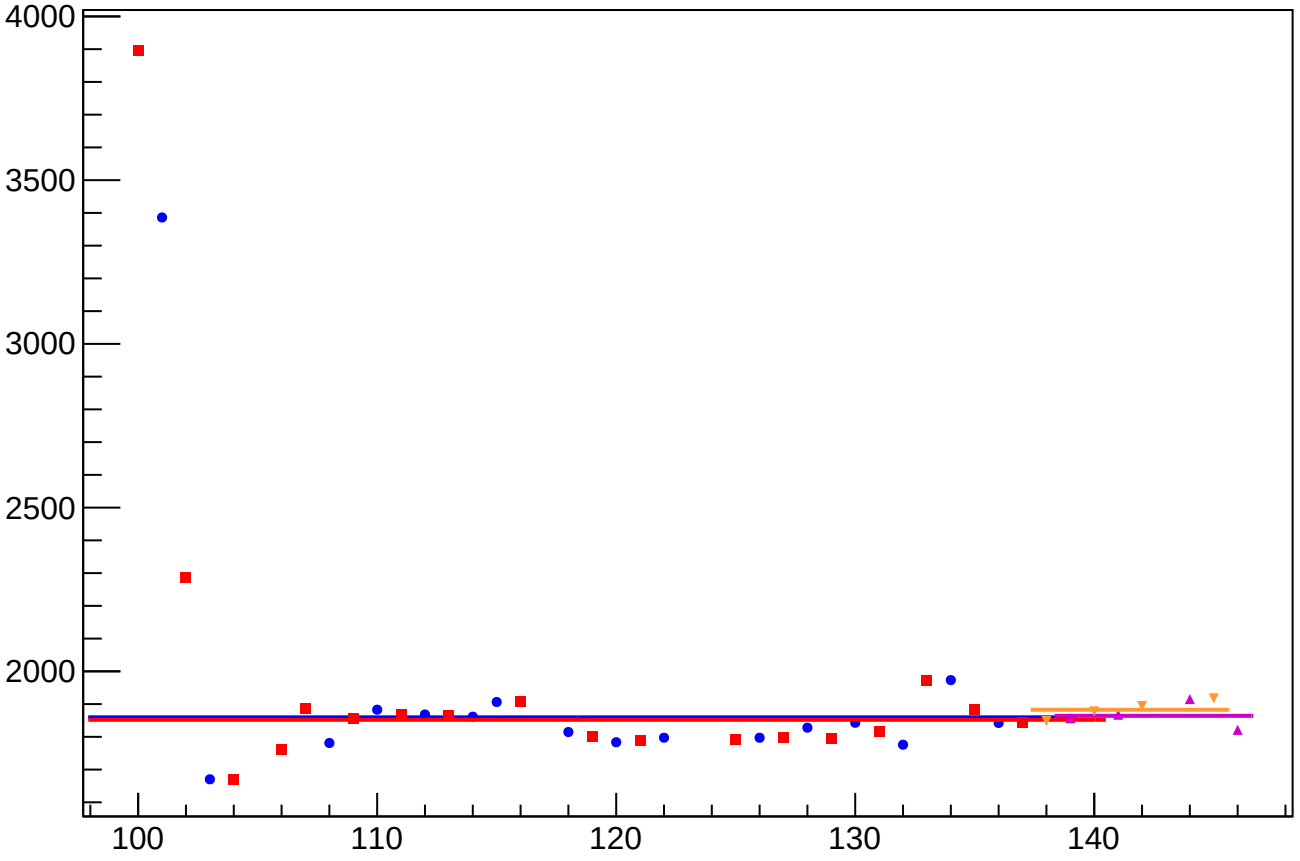
Left In: -6172.079+/-991.961 χ^2/NDF:1.9/3

+ sign 4563.958+/-591.452 χ^2/NDF: 9.1/19

All: -203.647+/-410.285 χ^2/NDF: 156.1/41

- sign -4625.865+/-569.626 χ^2/NDF: 21.7/21

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1882.632+/-0.785 χ^2/NDF:1122.0/3

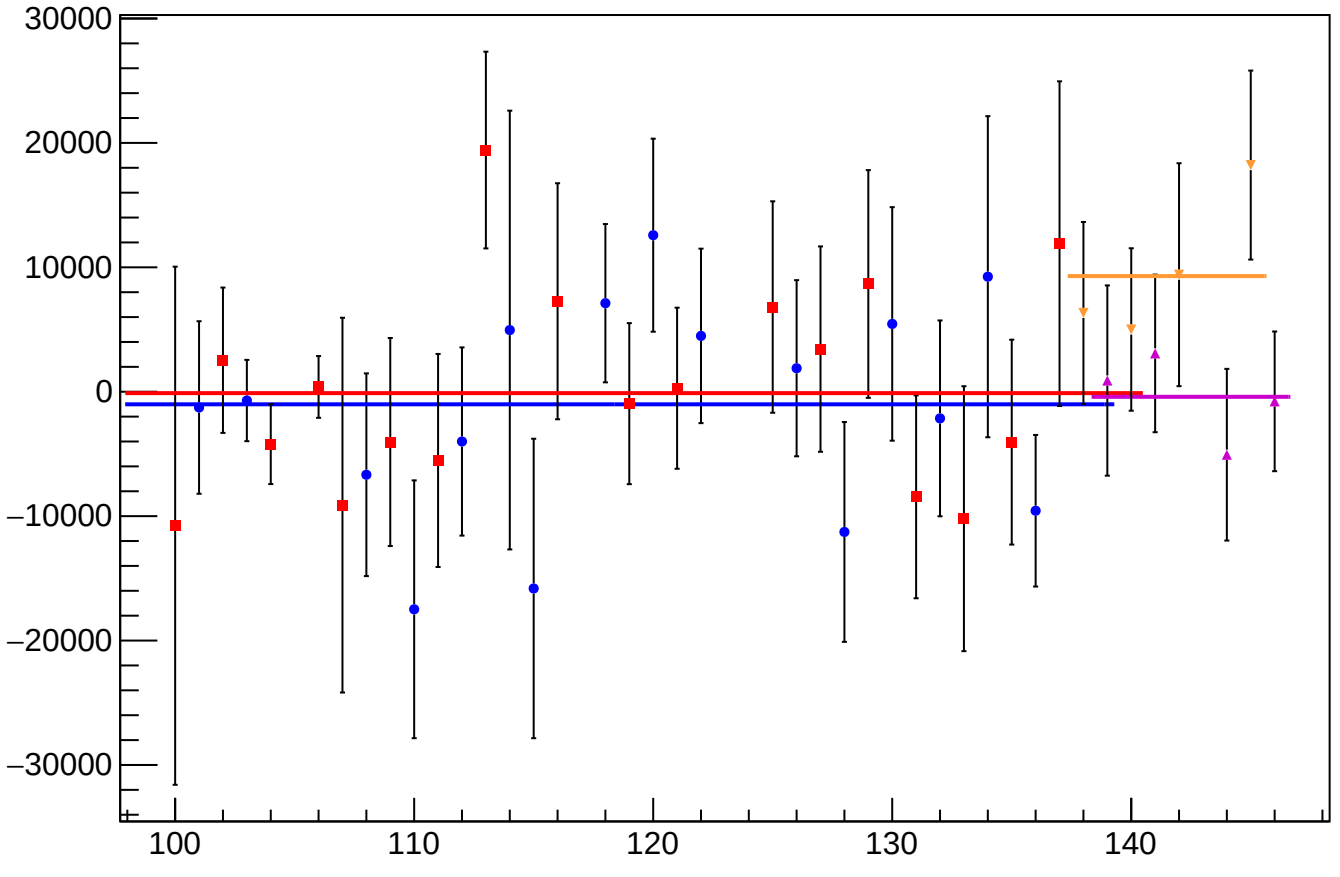
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

+ sign 1866.074+/-0.418 χ^2/NDF: 294078.0/19

All: 1860.859+/-0.290 χ^2/NDF: 399103.6/41

- sign 1856.040+/-0.402 χ^2/NDF: 104726.3/21



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 9294.863+/-3727.883 χ^2/NDF:2.0/3

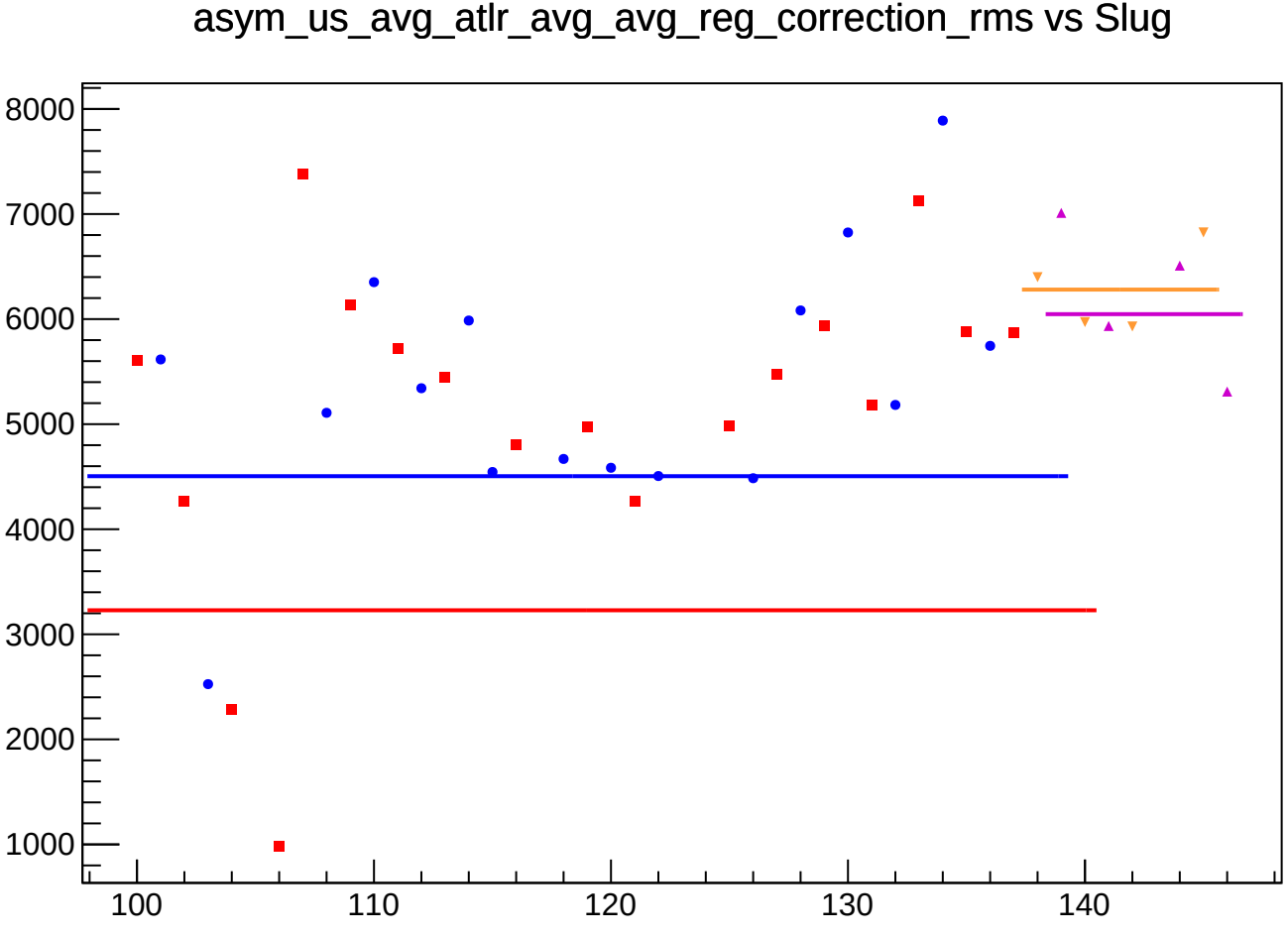
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -407.682+/-3248.720 χ^2/NDF:0.8/3

+ sign 875.315+/-1594.631 χ^2/NDF: 23.0/19

All: 259.284+/-1014.688 χ^2/NDF: 38.6/41

- sign -159.852+/-1315.336 χ^2/NDF: 15.4/21



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6280.863+/-2.636 χ^2/NDF:18357.6/3

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

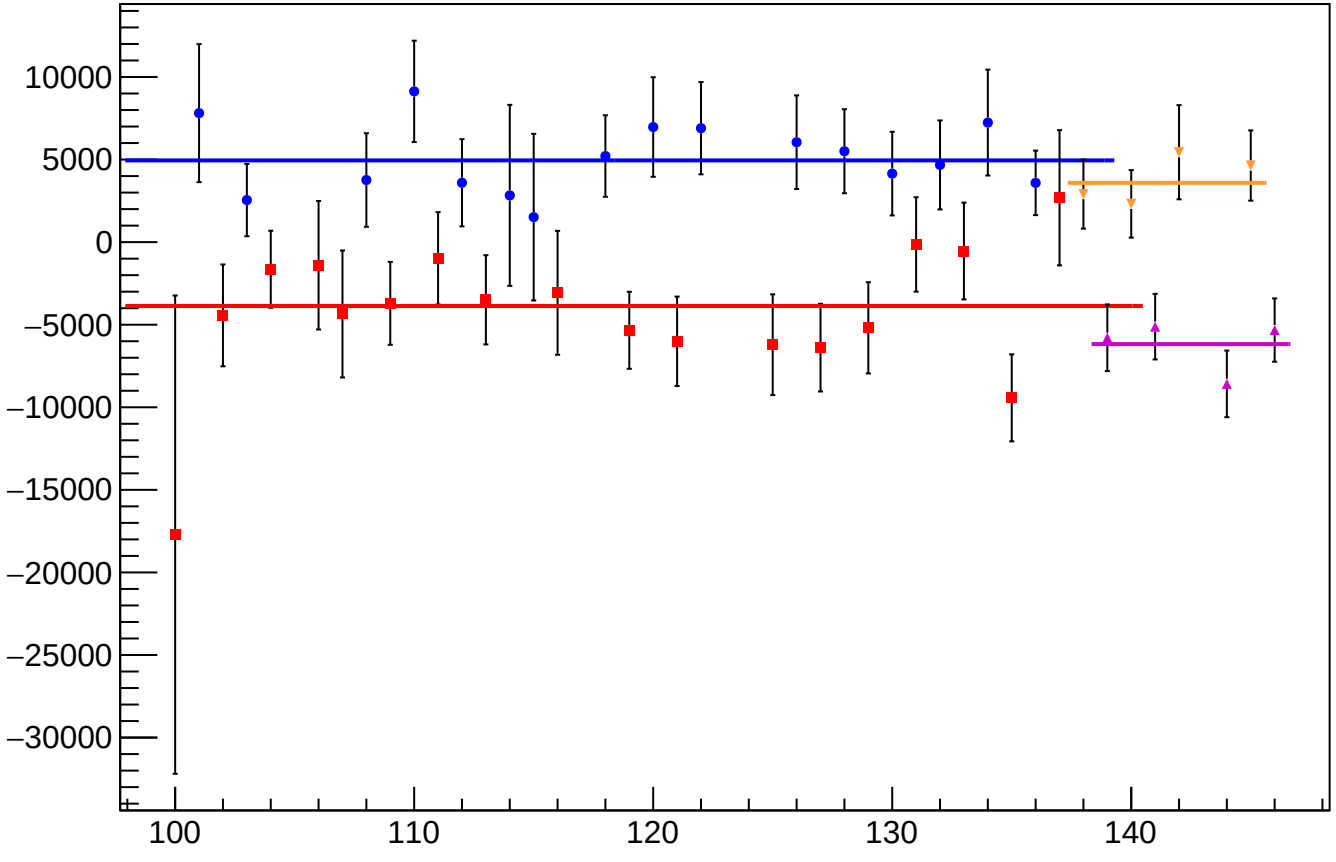
Left In: 6047.059+/-2.297 χ^2/NDF:75839.0/3

+ sign 4829.768+/-1.128 χ^2/NDF: 1710367.2/19

All: 4151.860+/-0.717 χ^2/NDF: 7608535.7/41

- sign 3690.624+/-0.930 χ^2/NDF: 5290790.4/21

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3589.647+/-1110.002 χ^2/NDF:1.2/3

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

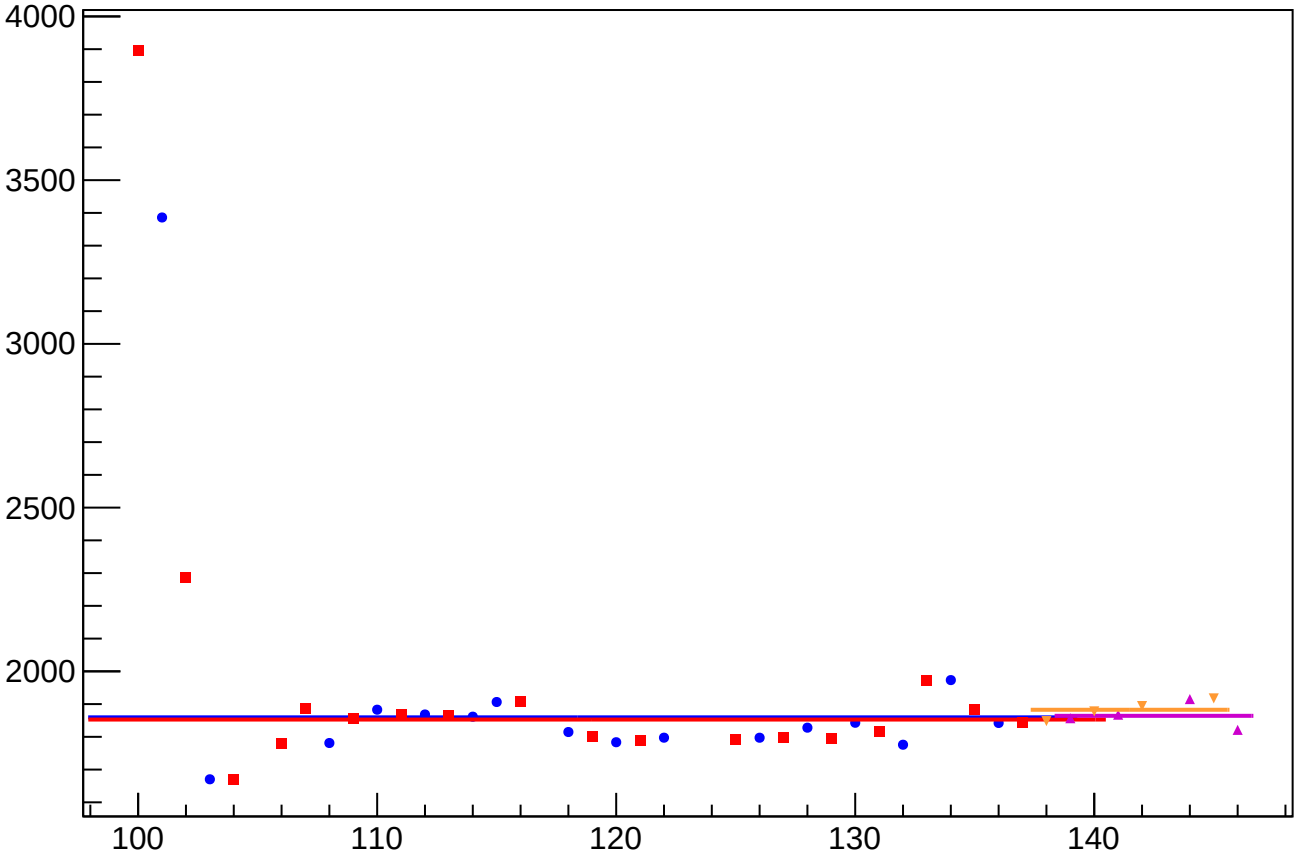
Left In: -6172.367+/-991.961 χ^2/NDF:1.9/3

+ sign 4563.657+/-591.452 χ^2/NDF: 9.1/19

All: -203.767+/-410.285 χ^2/NDF: 156.0/41

- sign -4625.816+/-569.626 χ^2/NDF: 21.7/21

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1882.632+/-0.785 χ^2/NDF:1122.0/3

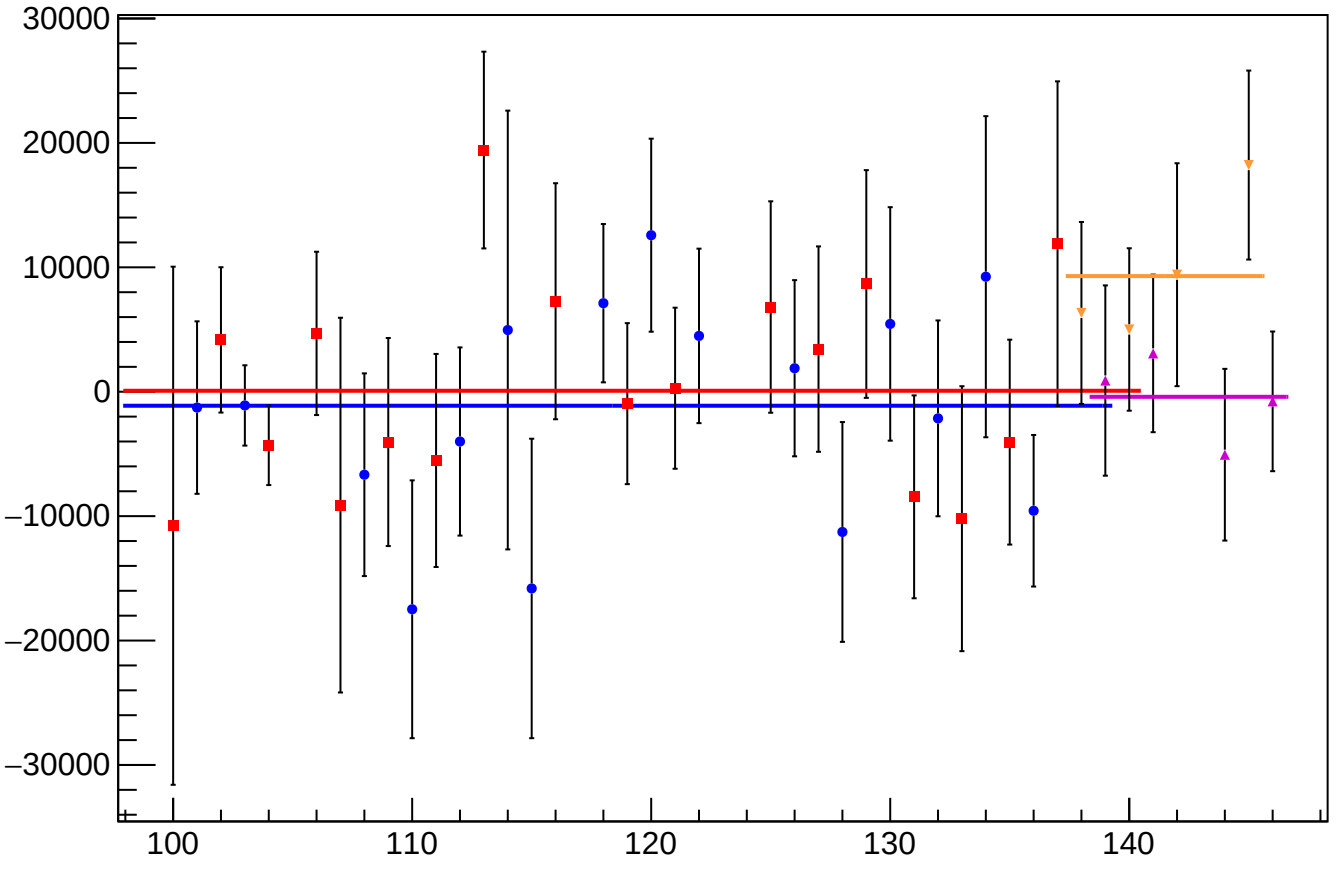
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

+ sign 1866.074+/-0.418 χ^2/NDF: 294079.9/19

All: 1861.107+/-0.290 χ^2/NDF: 398593.1/41

- sign 1856.516+/-0.402 χ^2/NDF: 104241.7/21



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 9294.959+/-3727.875 χ^2/NDF:2.0/3

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

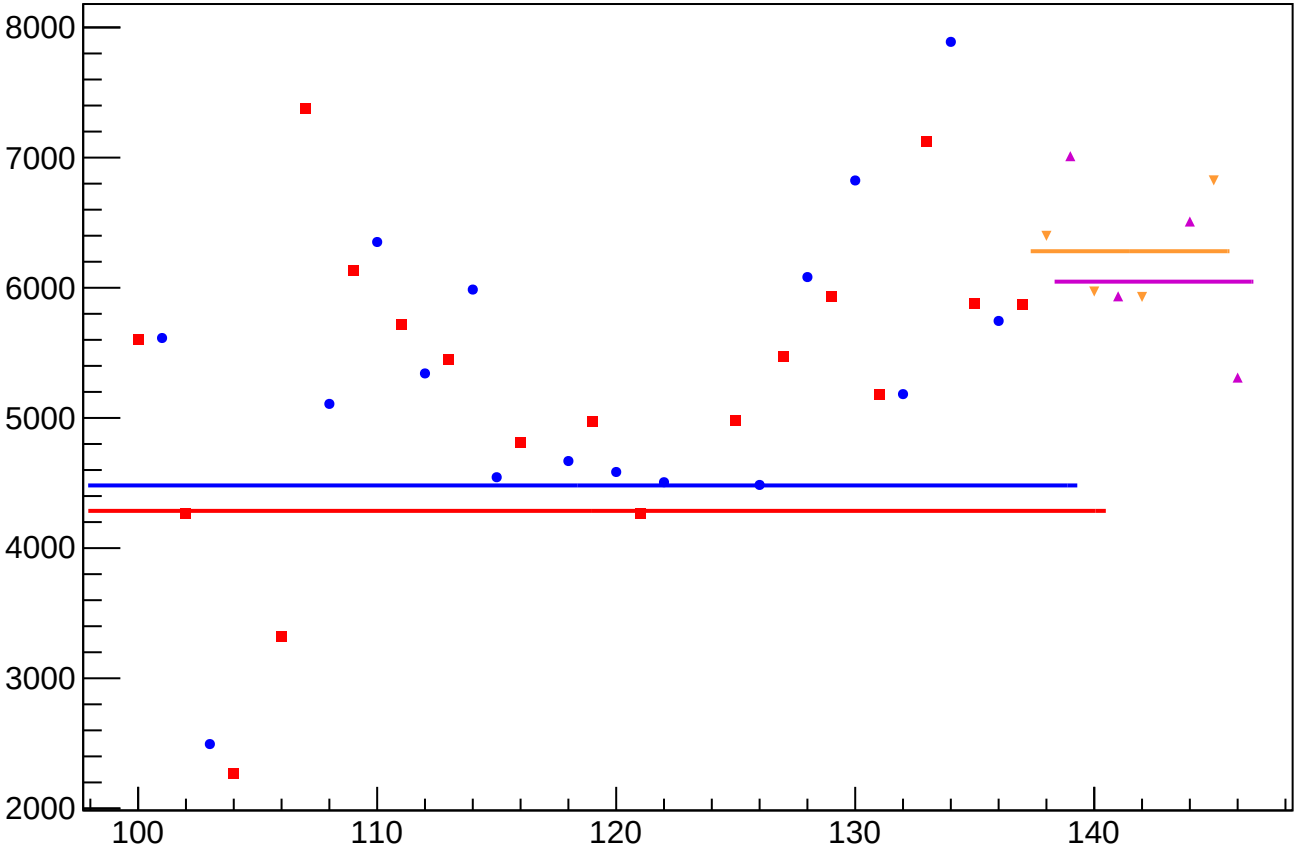
Left In: -407.731+/-3248.720 χ^2/NDF:0.8/3

+ sign 770.025+/-1589.970 χ^2/NDF: 23.1/19

All: 350.718+/-1094.125 χ^2/NDF: 39.6/41

- sign -26.438+/-1507.938 χ^2/NDF: 16.4/21

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: 6280.849+/-2.636 χ^2/NDF:18357.9/3

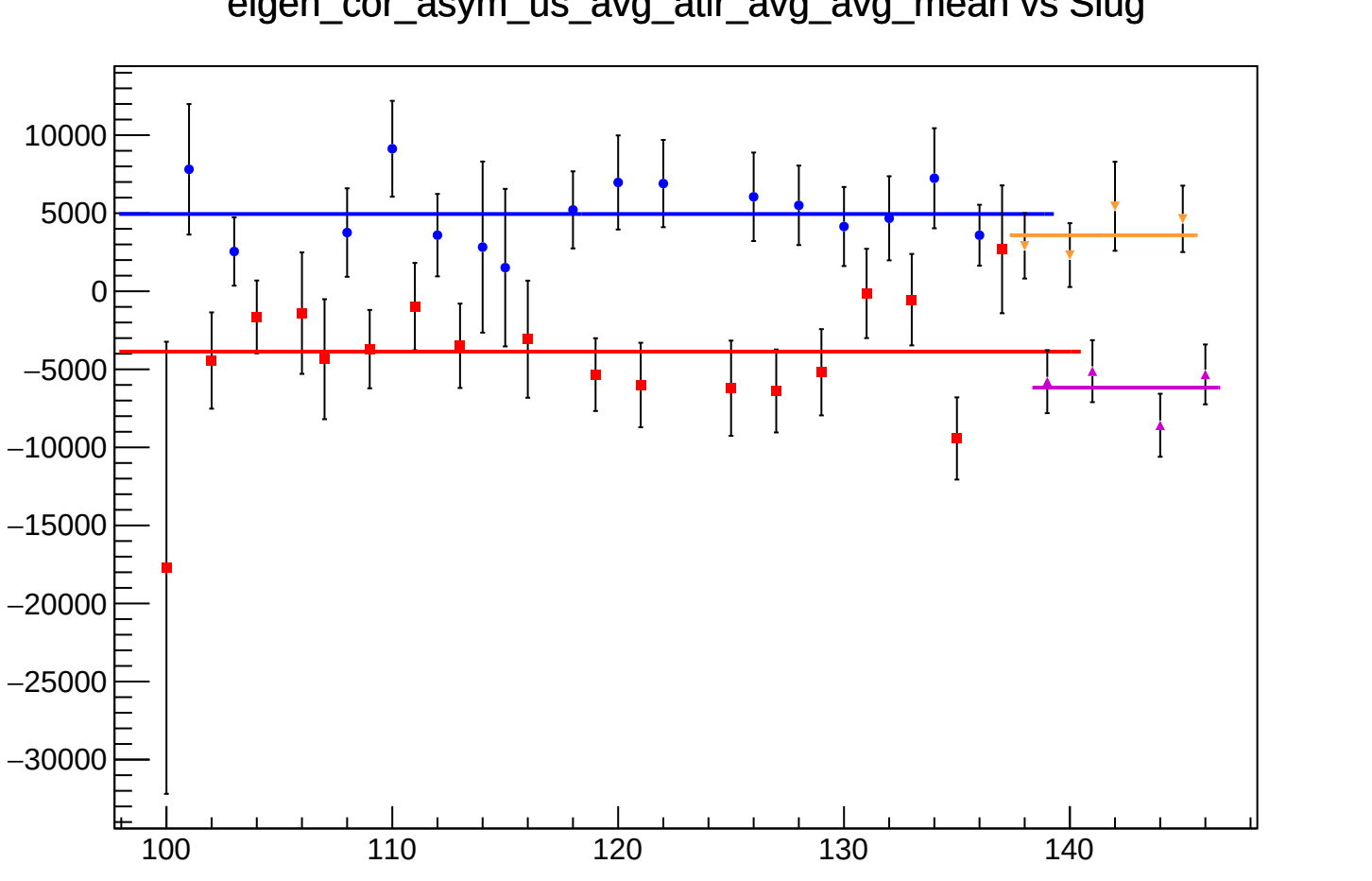
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6047.058+/-2.297 χ^2/NDF:75839.2/3

+ sign 4808.833+/-1.124 χ^2/NDF: 1761793.5/19

All: 4733.382+/-0.774 χ^2/NDF: 3857052.8/41

- sign 4665.515+/-1.066 χ^2/NDF: 2086704.3/21



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3589.647+/-1110.002 χ^2/NDF:1.2/3

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

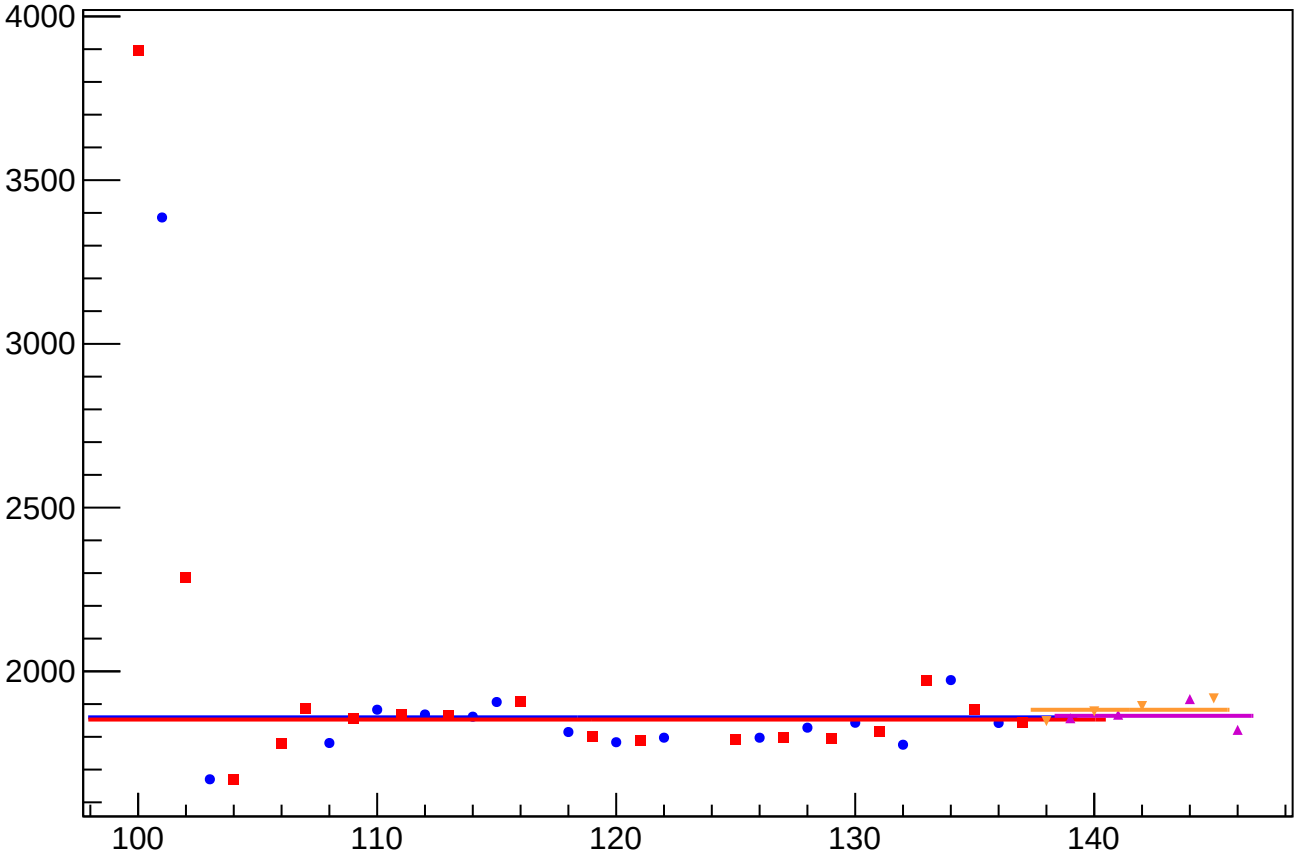
Left In: -6172.367+/-991.961 χ^2/NDF:1.9/3

+ sign 4563.657+/-591.452 χ^2/NDF: 9.1/19

All: -203.767+/-410.285 χ^2/NDF: 156.0/41

- sign -4625.816+/-569.626 χ^2/NDF: 21.7/21

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1882.632+/-0.785 χ^2/NDF:1122.0/3

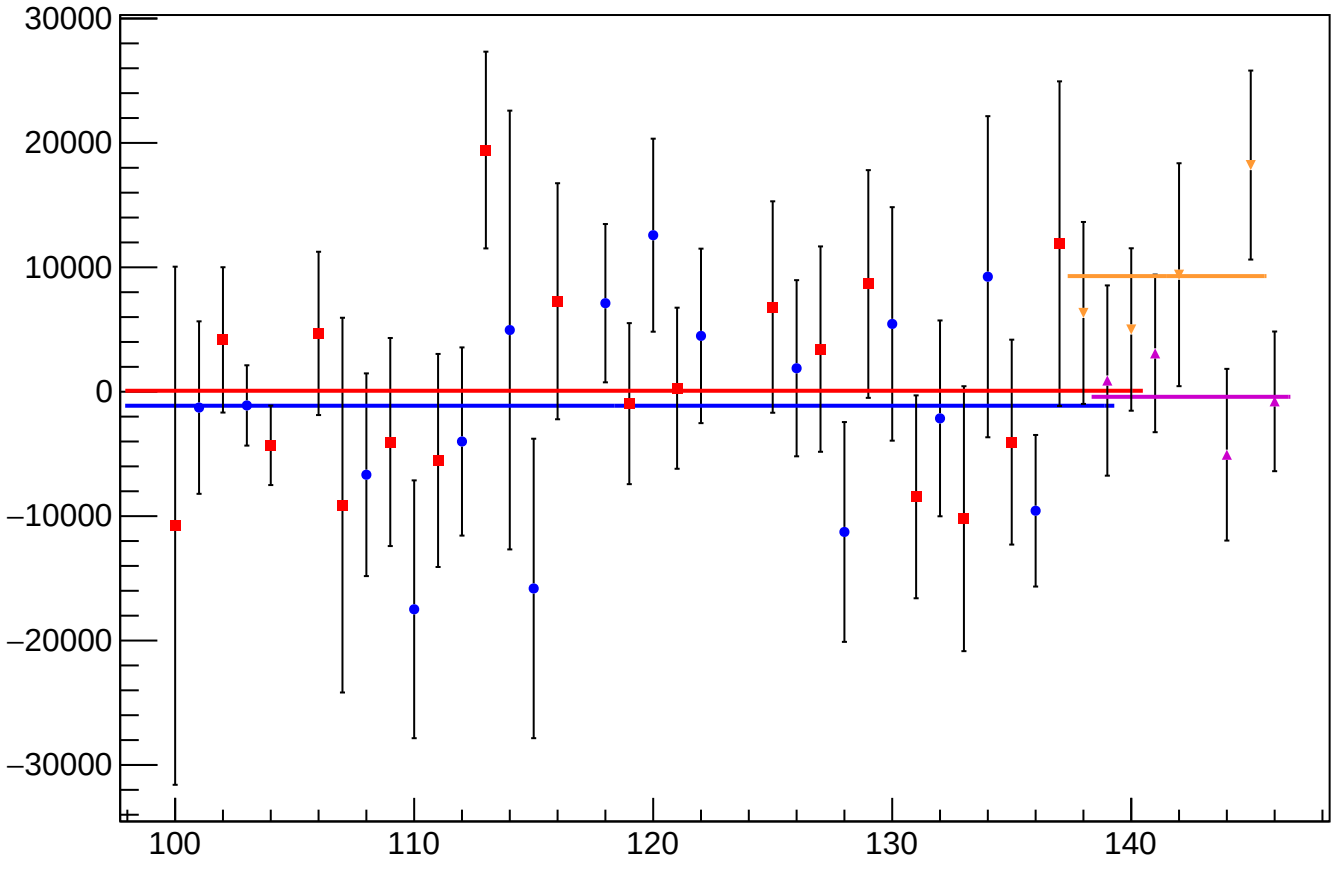
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

+ sign 1866.074+/-0.418 χ^2/NDF: 294079.9/19

All: 1861.107+/-0.290 χ^2/NDF: 398593.1/41

- sign 1856.516+/-0.402 χ^2/NDF: 104241.7/21



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 9294.959+/-3727.875 χ^2/NDF:2.0/3

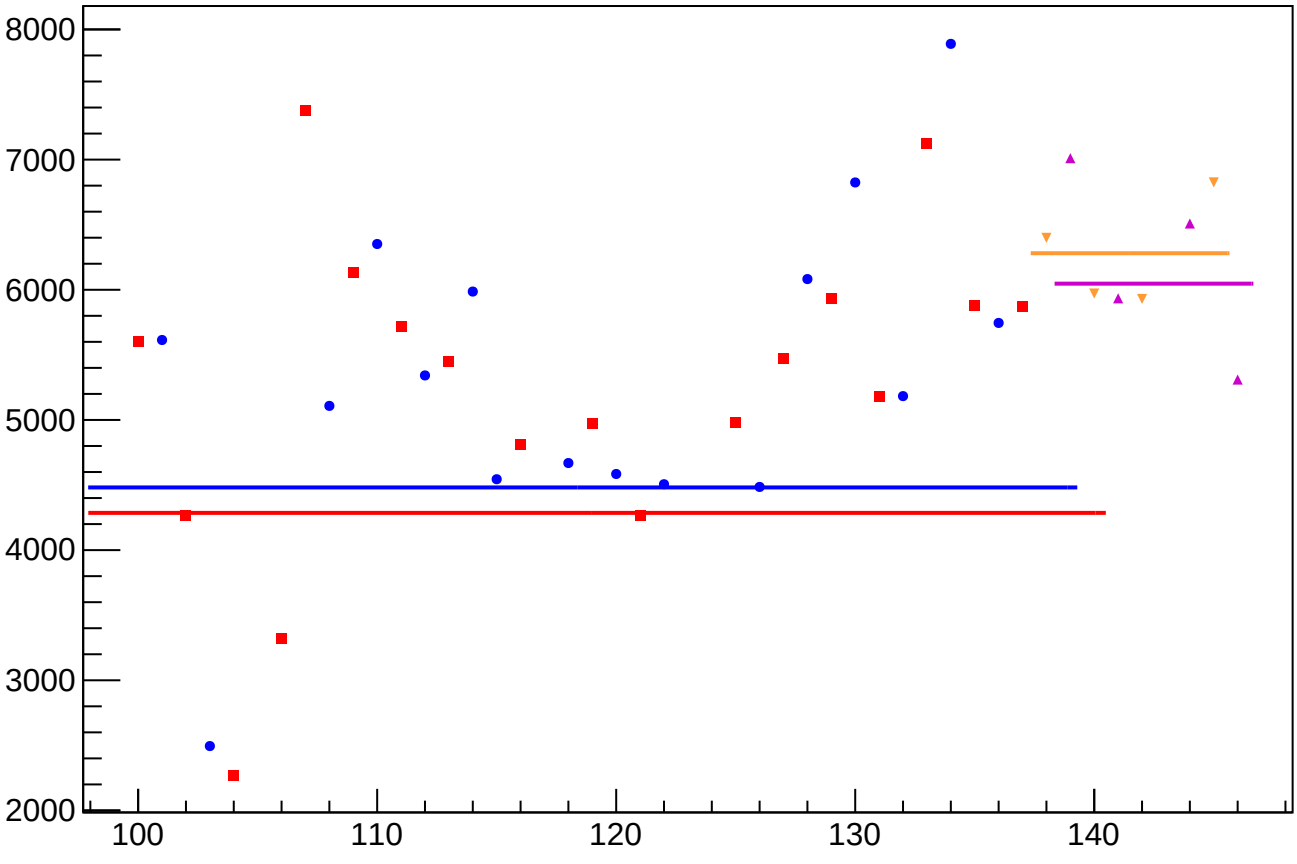
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -407.731+/-3248.720 χ^2/NDF:0.8/3

+ sign 770.025+/-1589.970 χ^2/NDF: 23.1/19

All: 350.718+/-1094.125 χ^2/NDF: 39.6/41

- sign -26.438+/-1507.938 χ^2/NDF: 16.4/21



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6280.849+/-2.636 χ^2/NDF:18357.9/3

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

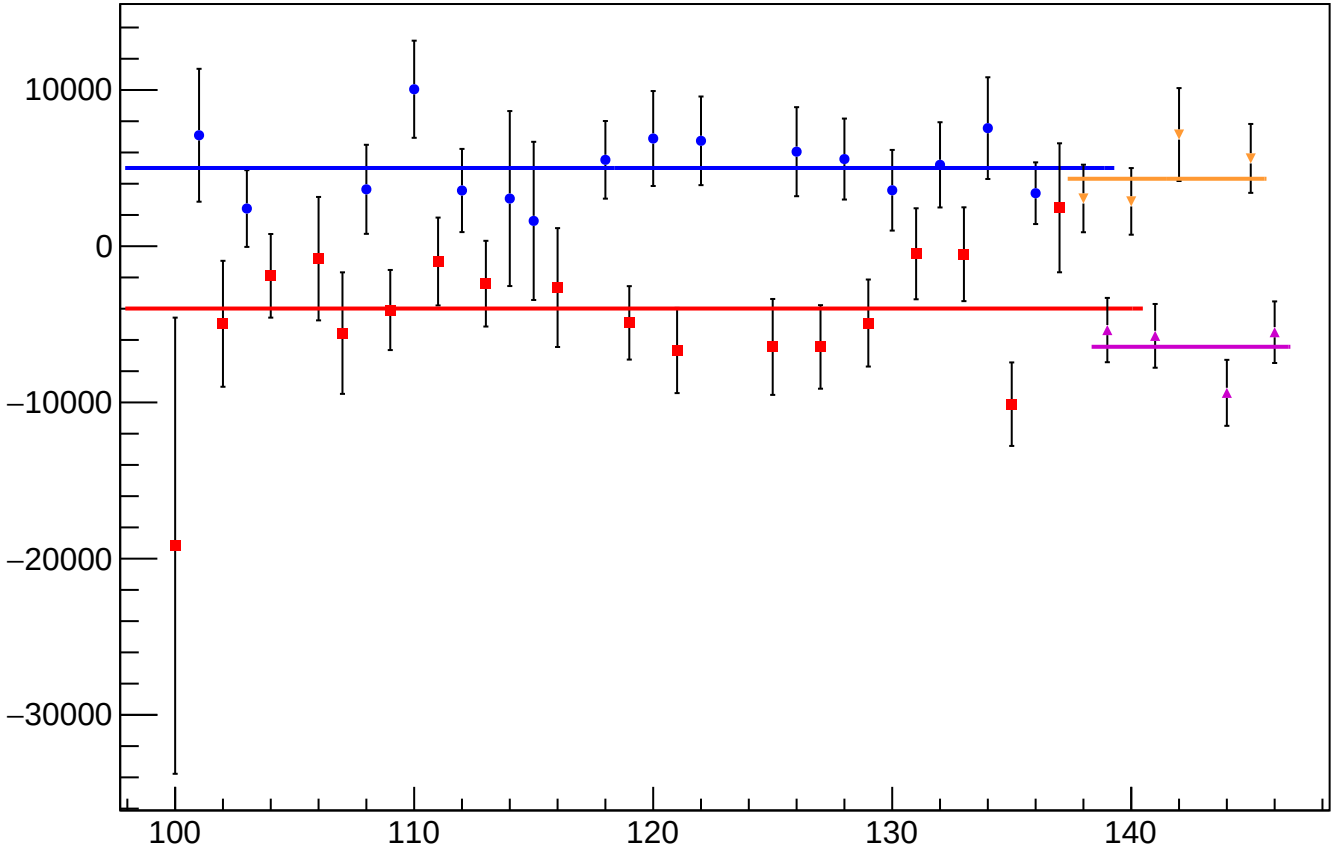
Left In: 6047.058+/-2.297 χ^2/NDF:75839.2/3

+ sign 4808.833+/-1.124 χ^2/NDF: 1761793.5/19

All: 4733.382+/-0.774 χ^2/NDF: 3857052.8/41

- sign 4665.515+/-1.066 χ^2/NDF: 2086704.3/21

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 4317.938+/-1152.937 χ^2/NDF:2.1/3

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

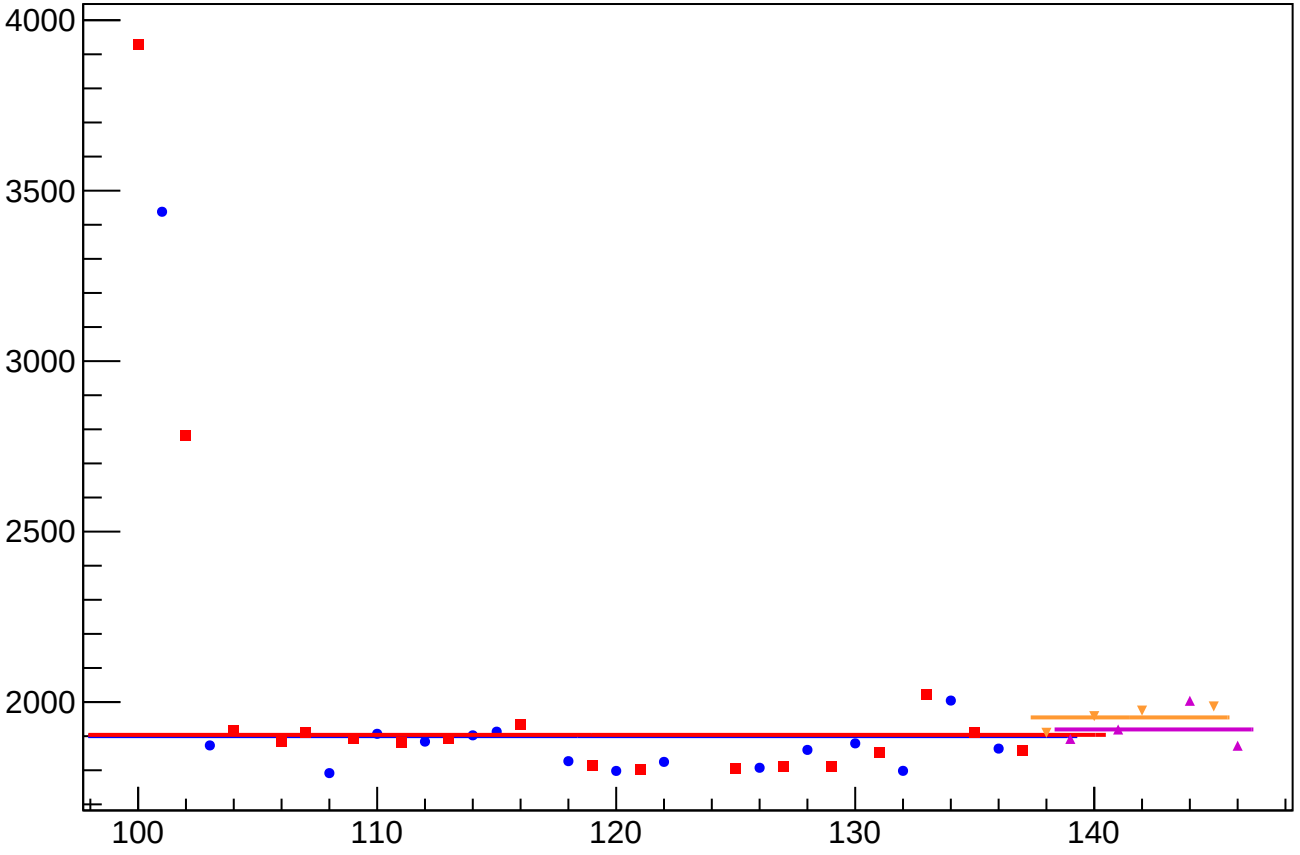
Left In: -6437.768+/-1021.876 χ^2/NDF:2.6/3

+ sign 4816.193+/-607.062 χ^2/NDF: 10.0/19

All: -144.913+/-422.373 χ^2/NDF: 163.2/41

- sign -4800.032+/-588.043 χ^2/NDF: 23.8/21

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1955.026+/-0.815 χ^2/NDF:1392.0/3

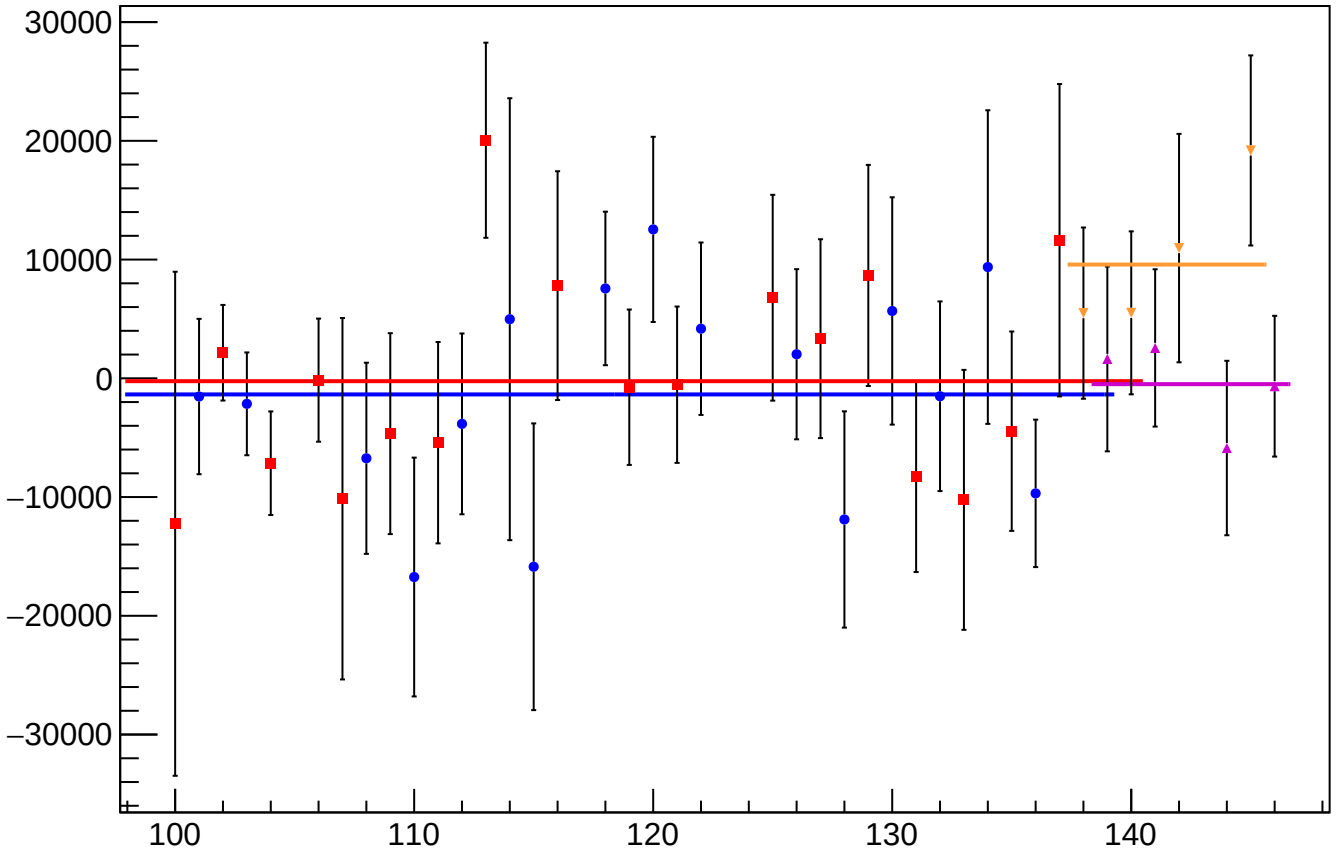
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1919.727+/-0.723 χ^2/NDF:4706.7/3

+ sign 1915.336+/-0.429 χ^2/NDF: 283119.6/19

All: 1912.109+/-0.299 χ^2/NDF: 438375.8/41

- sign 1909.085+/-0.416 χ^2/NDF: 155146.7/21



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 9579.853+/-3866.756 χ^2/NDF:2.1/3

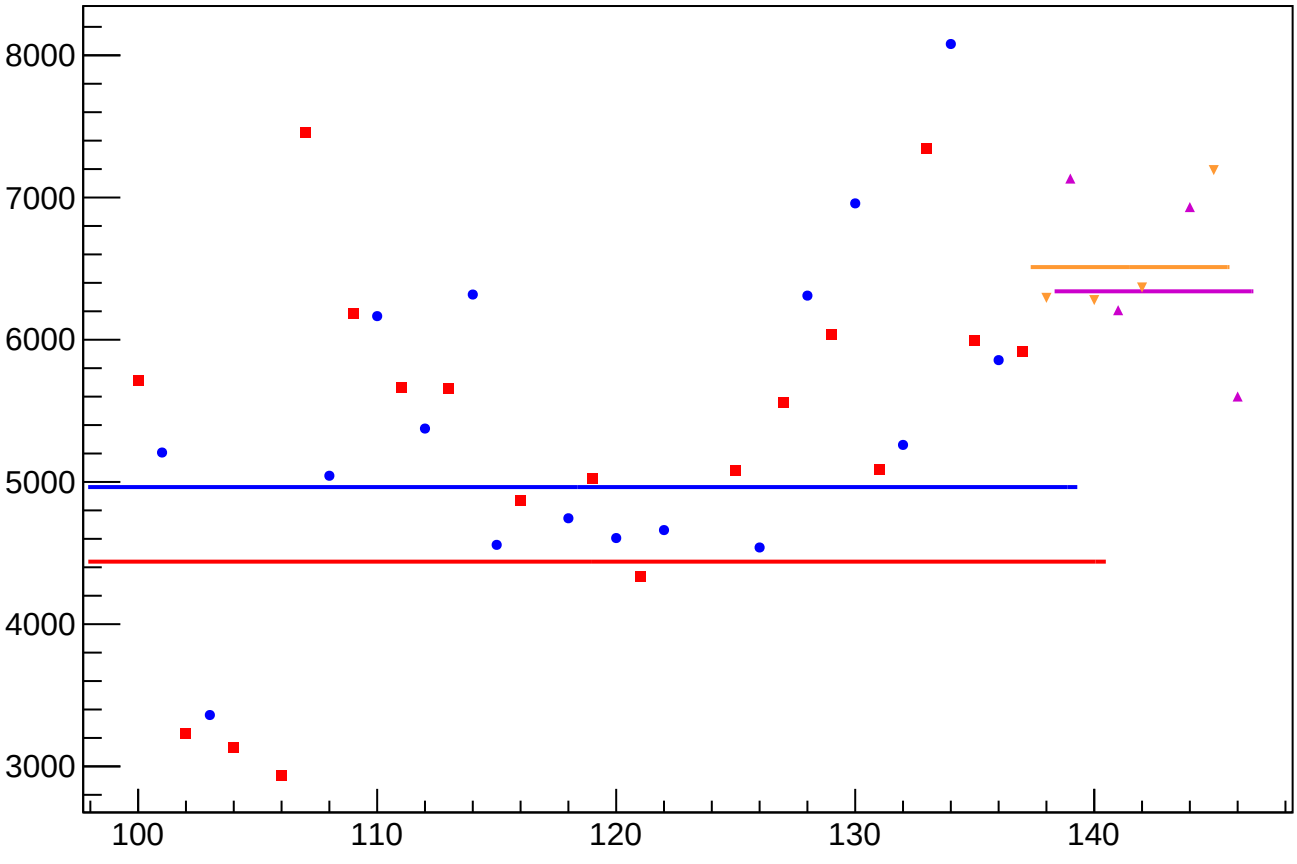
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -492.283+/-3404.095 χ^2/NDF:0.8/3

+ sign 763.139+/-1702.358 χ^2/NDF: 23.3/19

All: 179.515+/-1137.925 χ^2/NDF: 40.1/41

- sign -291.881+/-1529.952 χ^2/NDF: 16.6/21



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6510.865+/-2.734 χ^2/NDF:19042.9/3

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

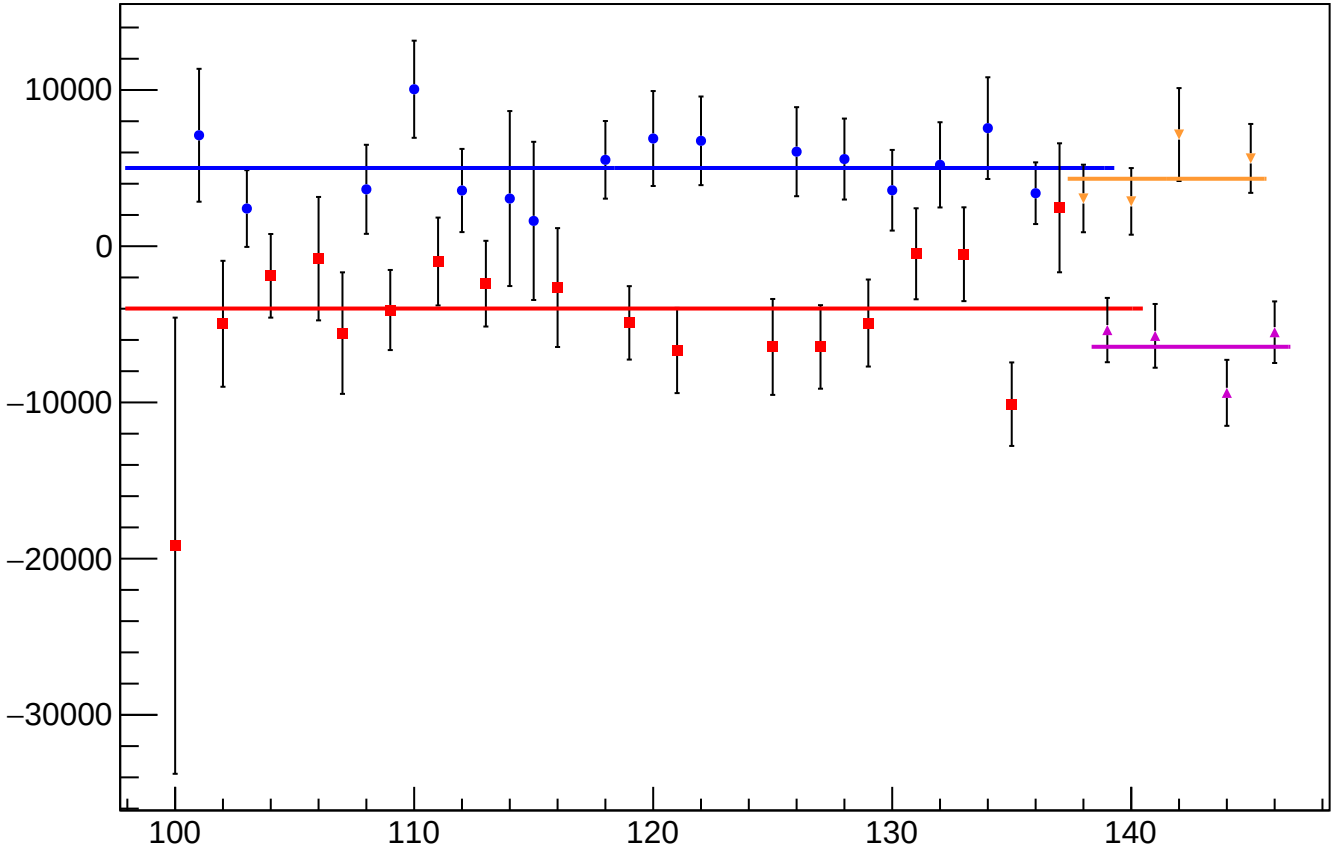
Left In: 6340.441+/-2.407 χ^2/NDF:65723.8/3

+ sign 5263.819+/-1.204 χ^2/NDF: 904451.0/19

All: 5020.312+/-0.805 χ^2/NDF: 2700266.0/41

- sign 4823.630+/-1.082 χ^2/NDF: 1721841.3/21

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 4317.961+/-1152.937 χ^2/NDF:2.1/3

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

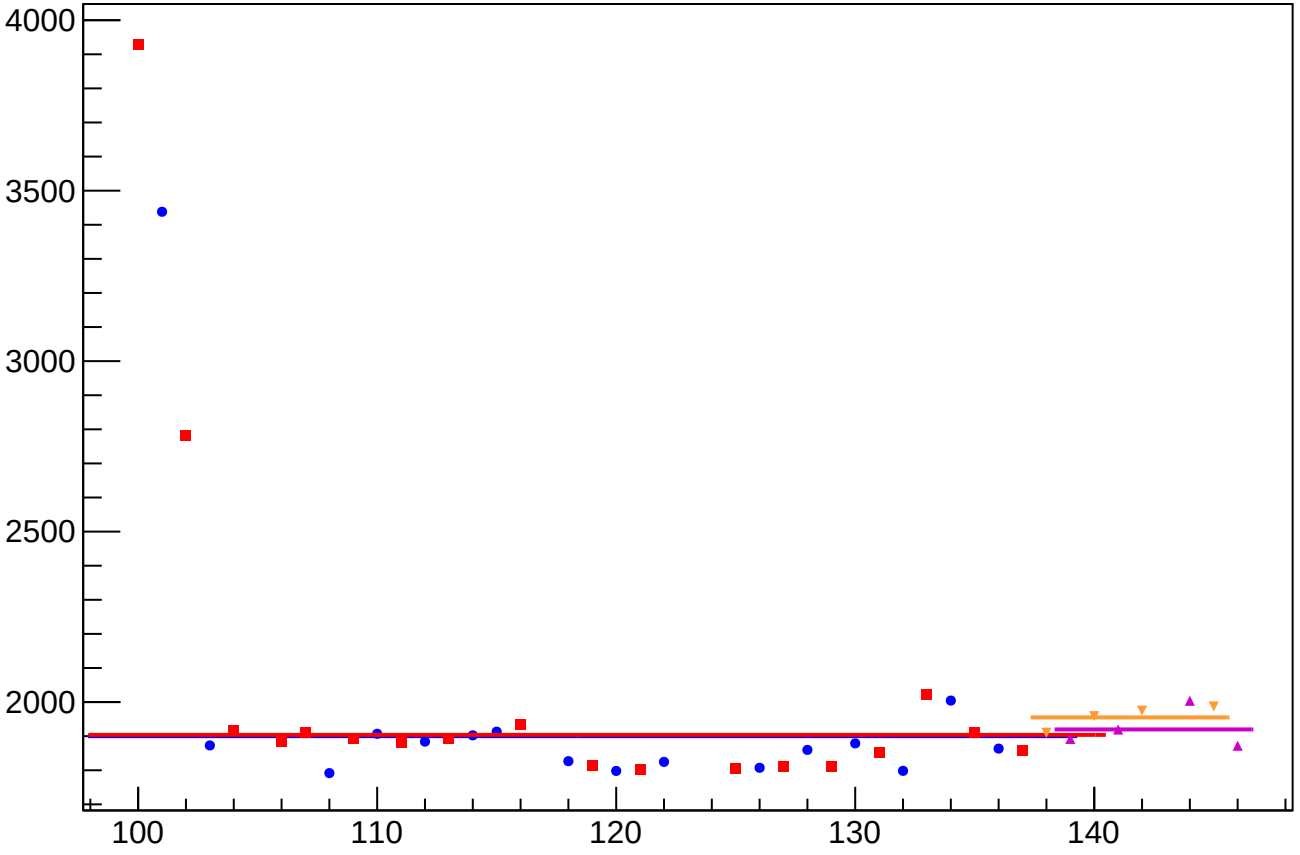
Left In: -6437.762+/-1021.877 χ^2/NDF:2.6/3

+ sign 4816.198+/-607.062 χ^2/NDF: 10.0/19

All: -144.908+/-422.373 χ^2/NDF: 163.2/41

- sign -4800.028+/-588.043 χ^2/NDF: 23.8/21

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: 1955.028+/-0.815 χ^2/NDF:1392.1/3

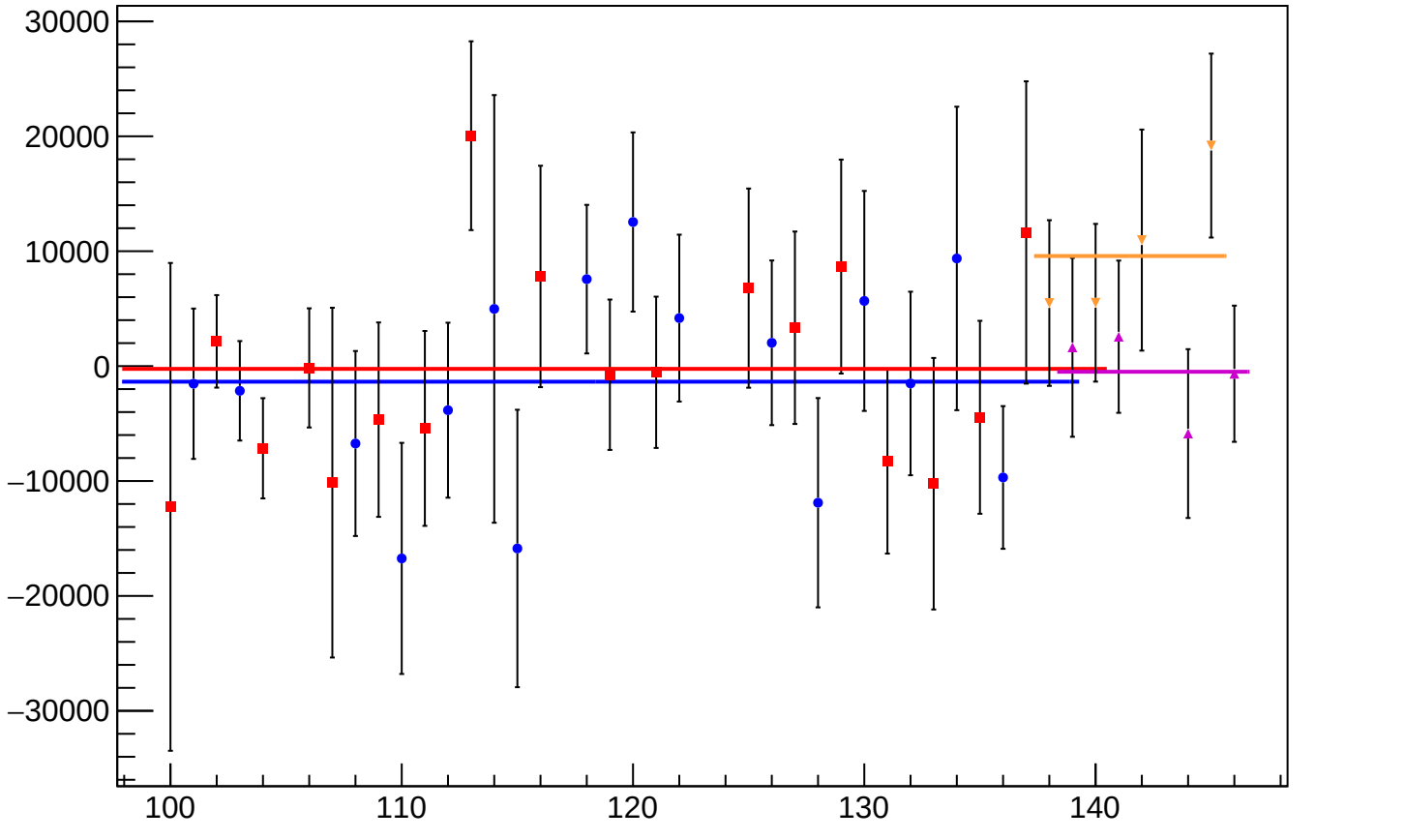
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1919.729+/-0.723 χ^2/NDF:4706.8/3

+ sign 1915.336+/-0.429 χ^2/NDF: 283120.2/19

All: 1912.109+/-0.299 χ^2/NDF: 438375.8/41

- sign 1909.085+/-0.416 χ^2/NDF: 155146.1/21



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 9579.876+/-3866.763 χ^2/NDF:2.1/3

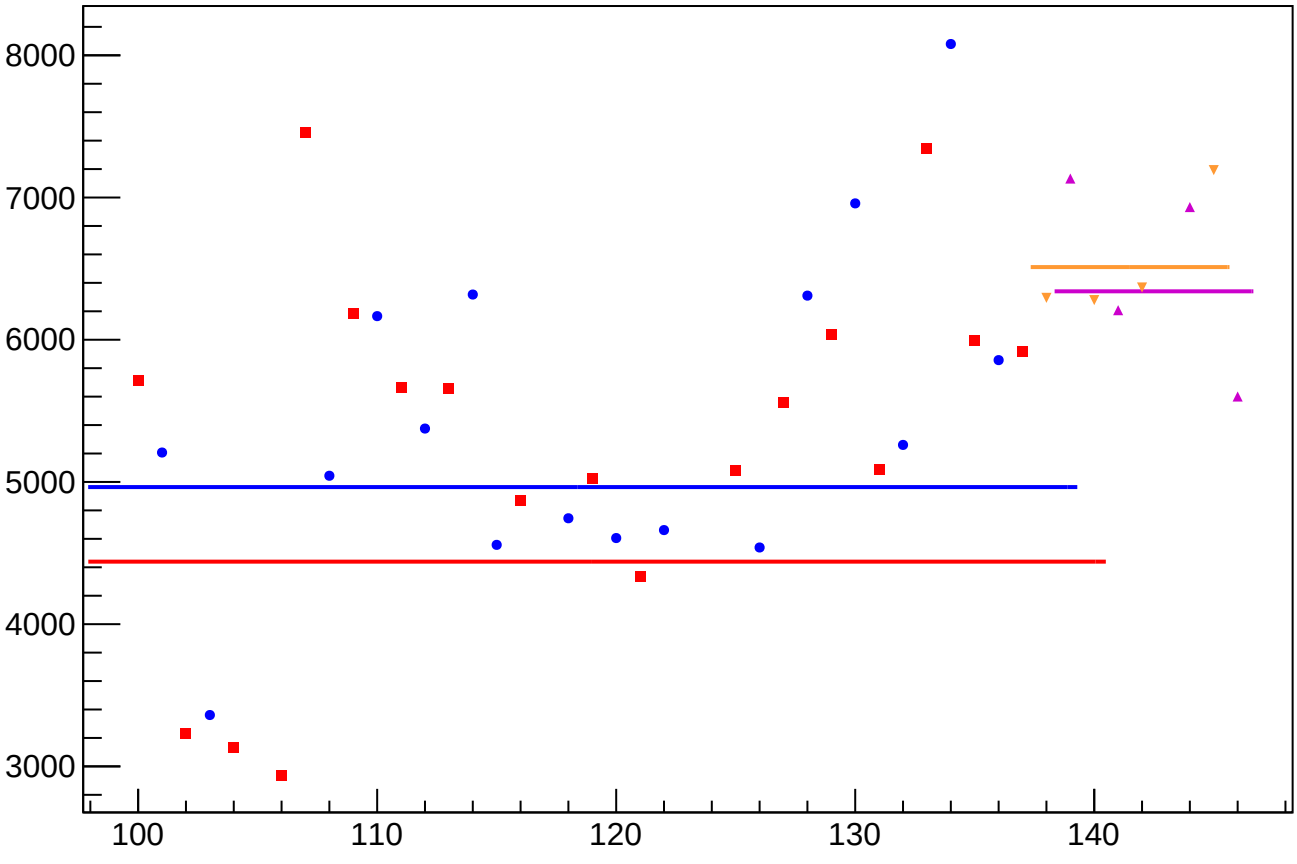
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -492.275+/-3404.101 χ^2/NDF:0.8/3

+ sign 763.136+/-1702.355 χ^2/NDF: 23.3/19

All: 179.515+/-1137.924 χ^2/NDF: 40.1/41

- sign -291.881+/-1529.949 χ^2/NDF: 16.6/21



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6510.878+/-2.734 χ^2/NDF:19043.2/3

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

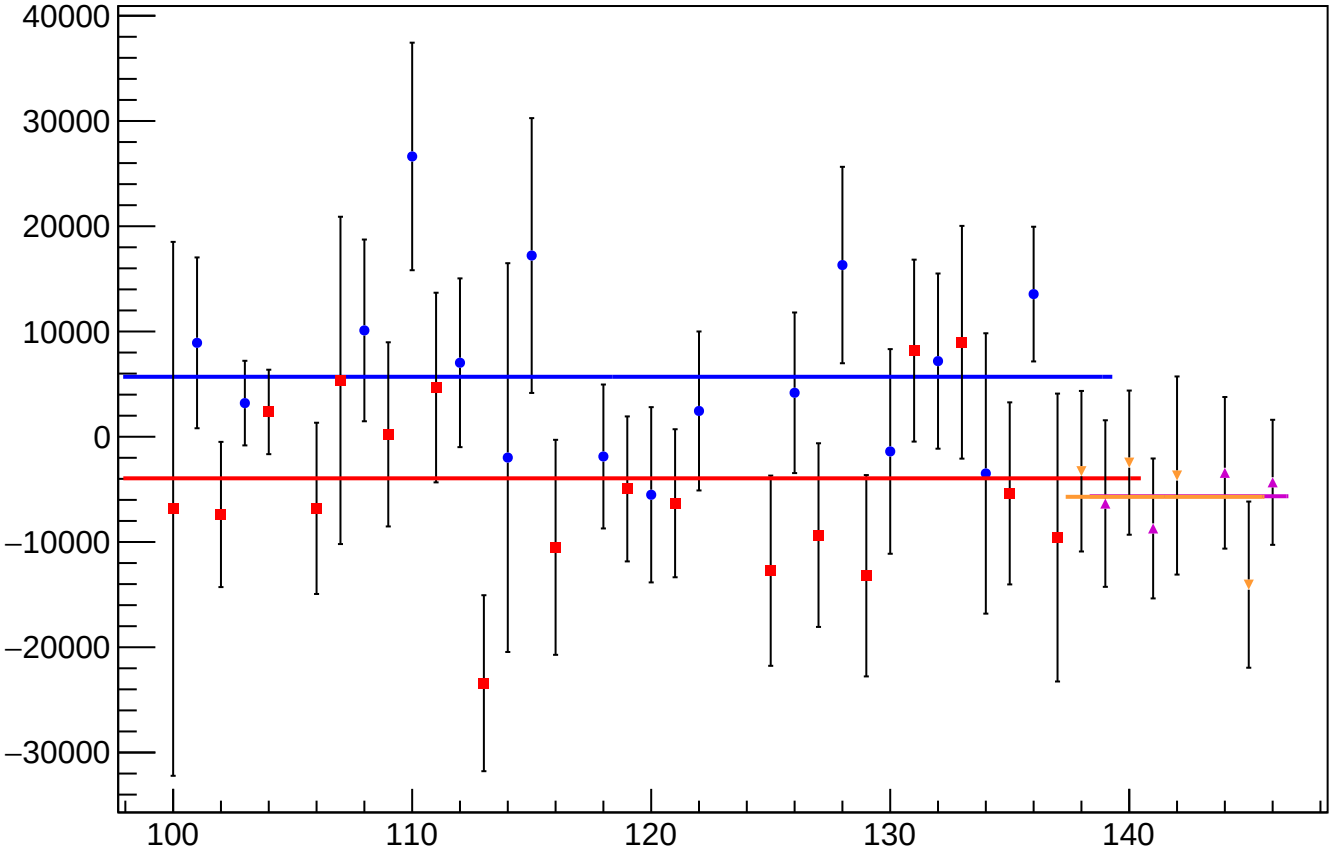
Left In: 6340.451+/-2.407 χ^2/NDF:65724.3/3

+ sign 5263.808+/-1.204 χ^2/NDF: 904461.8/19

All: 5020.302+/-0.805 χ^2/NDF: 2700287.5/41

- sign 4823.621+/-1.082 χ^2/NDF: 1721851.9/21

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -5707.380+/-3897.150 χ^2/NDF:1.5/3

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

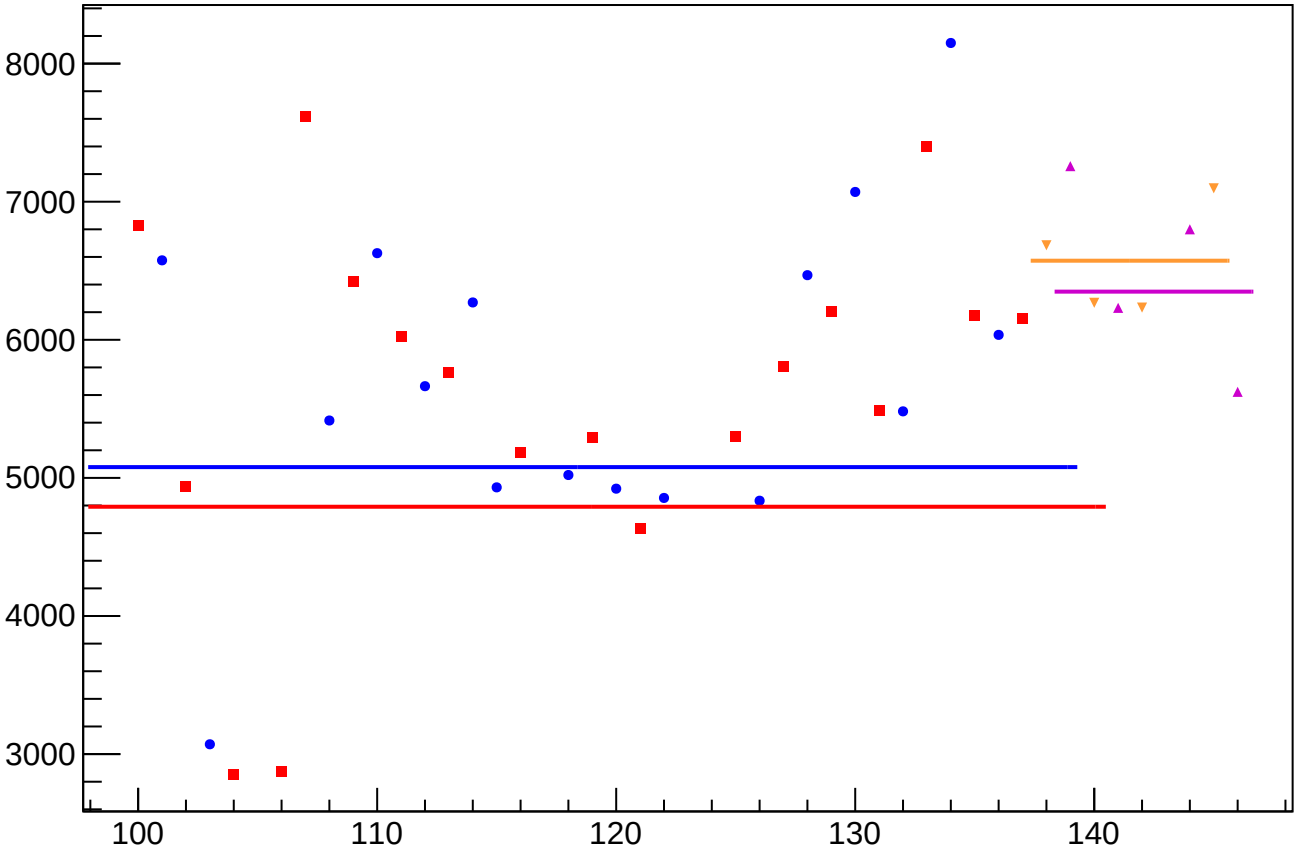
Left In: -5652.206+/-3405.706 χ^2/NDF:0.4/3

+ sign 3396.362+/-1750.459 χ^2/NDF: 21.0/19

All: -657.568+/-1209.412 χ^2/NDF: 47.9/41

- sign -4360.257+/-1672.909 χ^2/NDF: 16.7/21

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6572.796+/-2.756 χ^2/NDF:15808.5/3

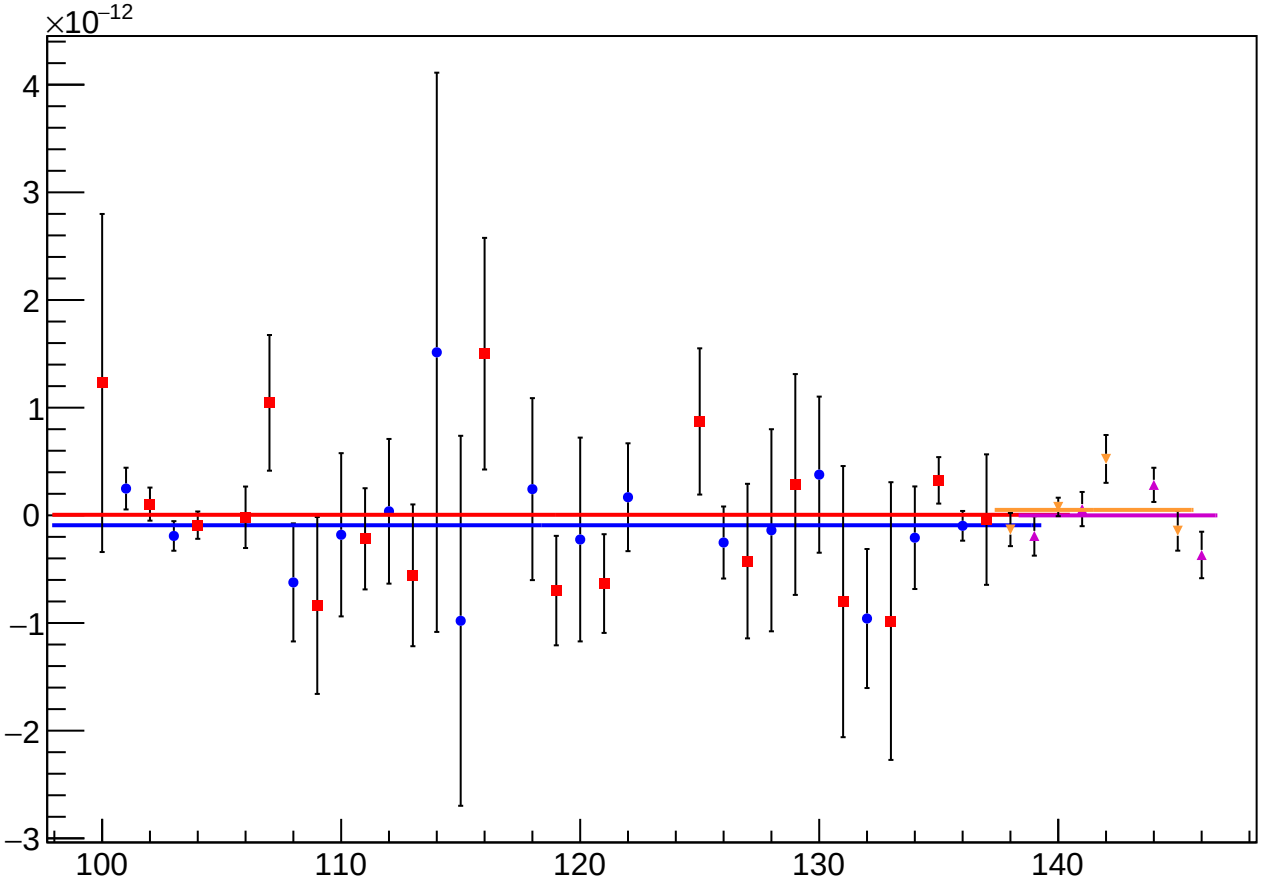
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6348.772+/-2.408 χ^2/NDF:64686.6/3

+ sign 5379.689+/-1.238 χ^2/NDF: 1169846.8/19

All: 5260.788+/-0.848 χ^2/NDF: 2734878.7/41

- sign 5155.503+/-1.165 χ^2/NDF: 1547632.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/3

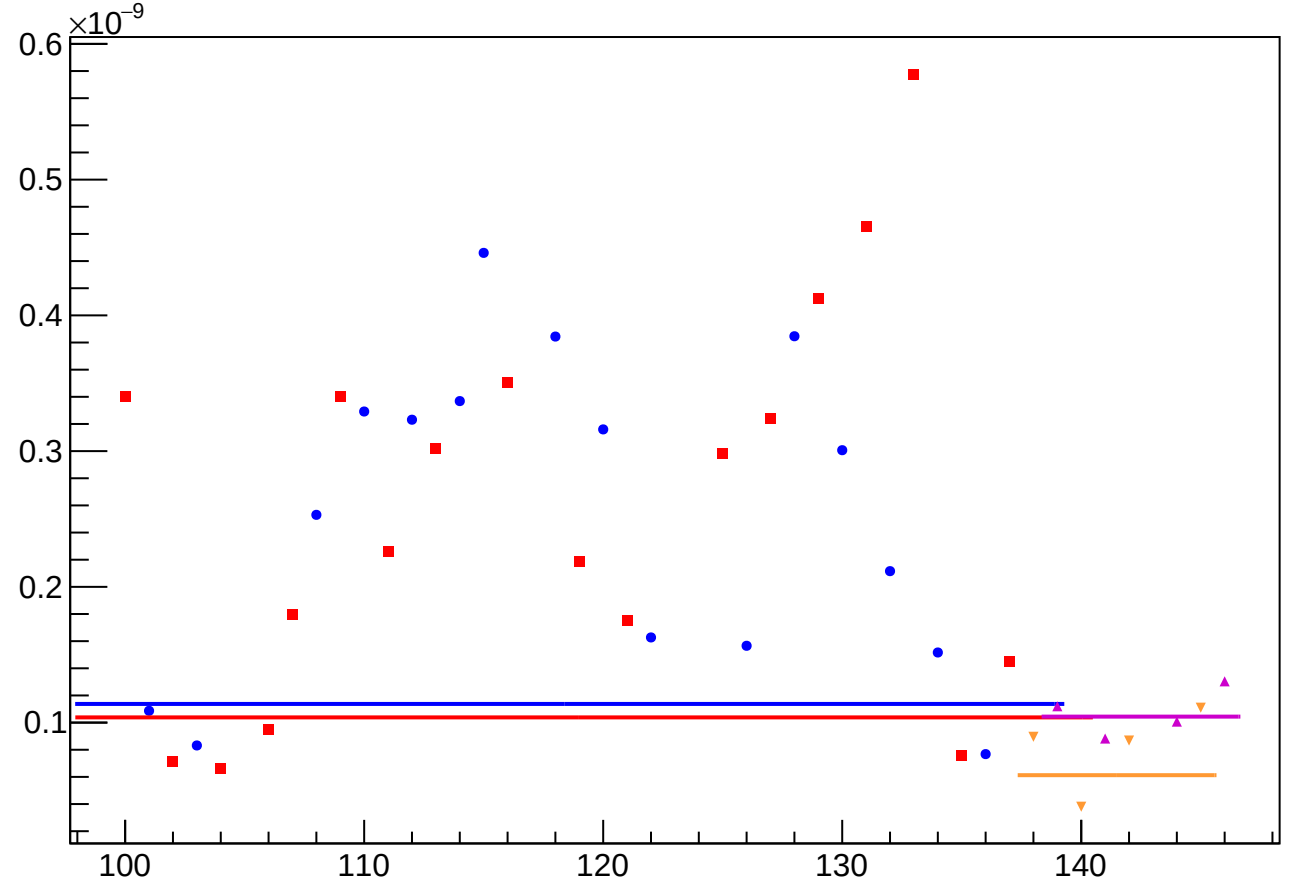
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:7.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 17.3/19

All: -0.000+/-0.000 χ^2/NDF: 42.0/41

- sign 0.000+/-0.000 χ^2/NDF: 24.7/21



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:384621.4/3

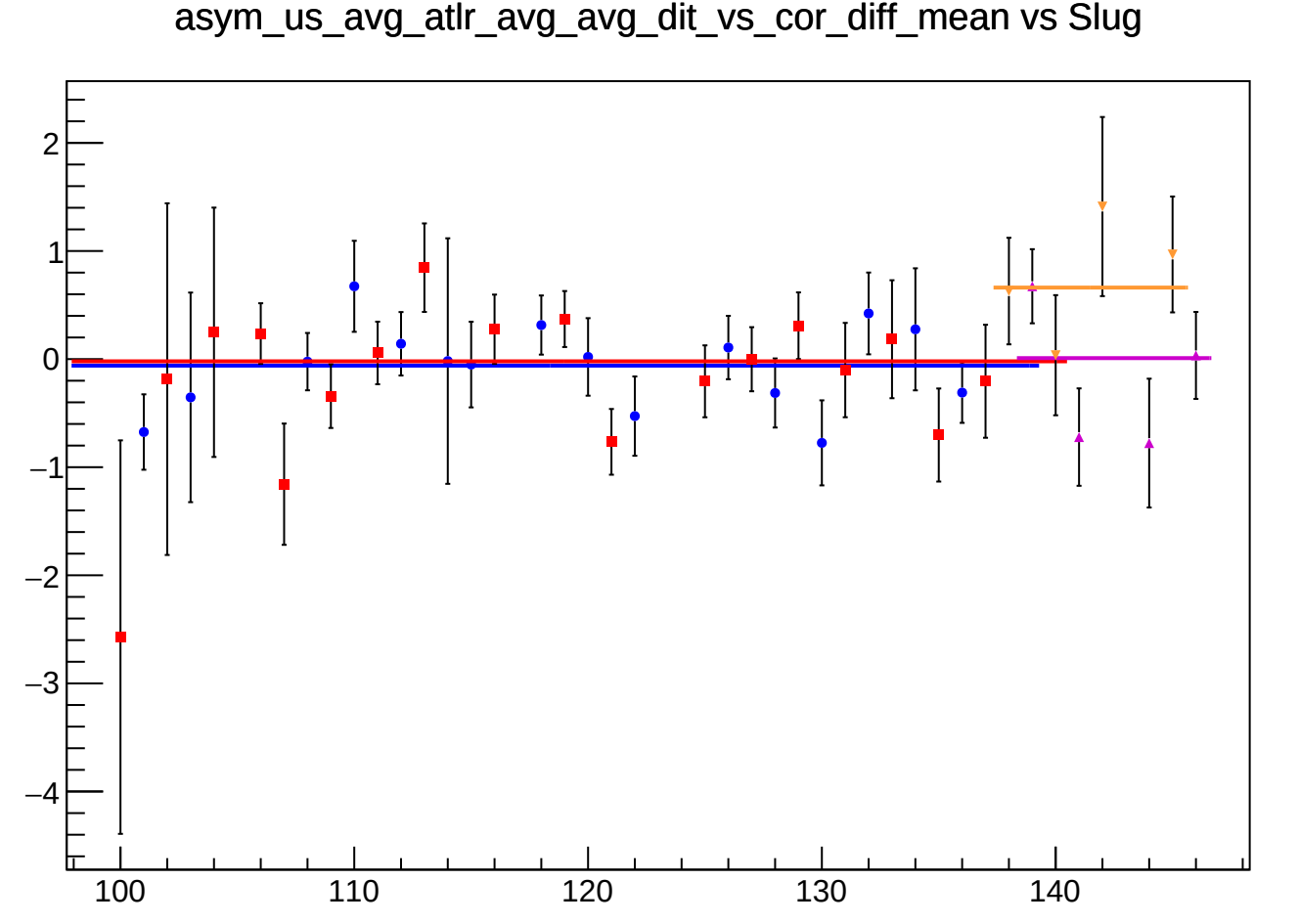
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:54192.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2436497.7/19

All: 0.000+/-0.000 χ^2/NDF: 4724198.6/41

- sign 0.000+/-0.000 χ^2/NDF: 2141774.5/21



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.662+/-0.285 χ^2/NDF:2.4/3

Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

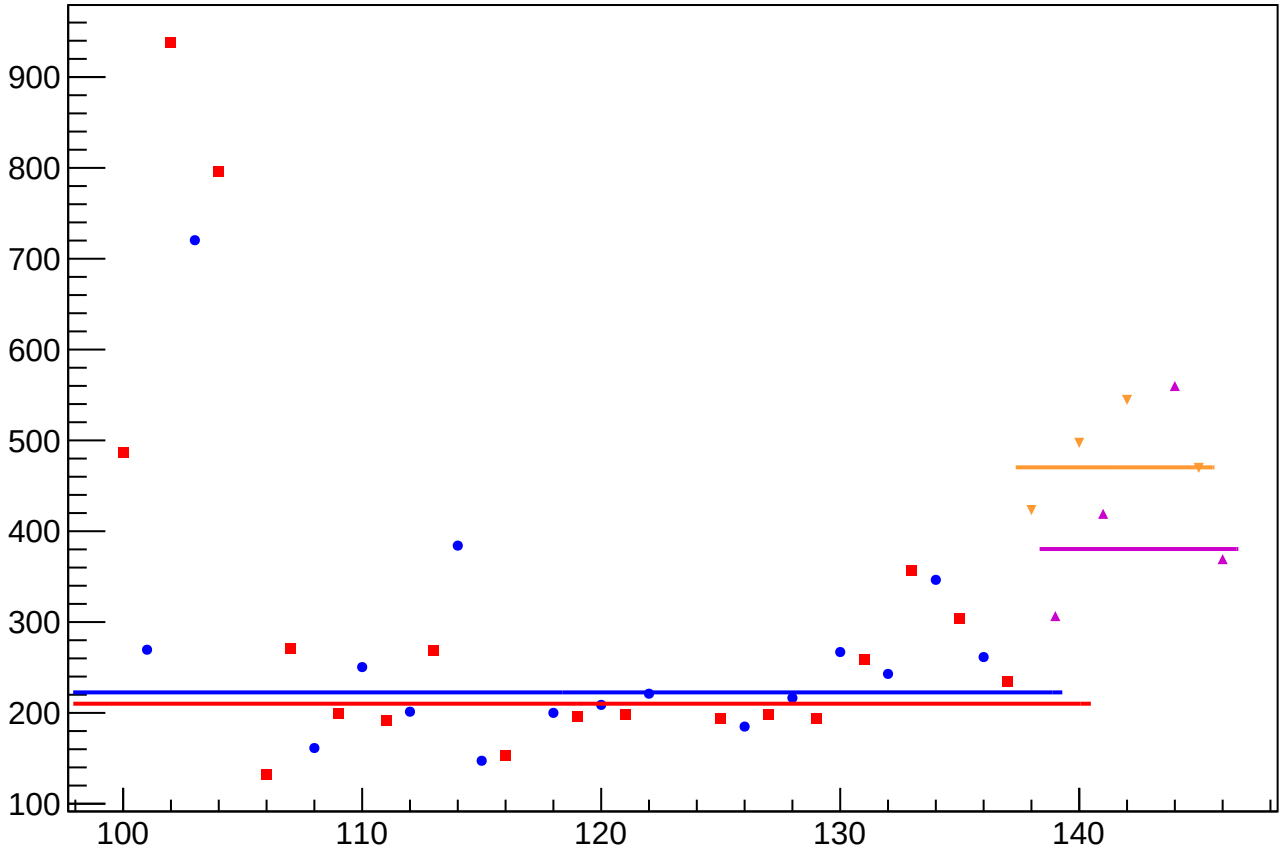
Left In: 0.009+/-0.211 χ^2/NDF:8.1/3

+ sign 0.003+/-0.085 χ^2/NDF: 25.6/19

All: -0.007+/-0.058 χ^2/NDF: 59.9/41

- sign -0.016+/-0.081 χ^2/NDF: 34.3/21

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 470.342+/-0.202 χ^2/NDF:39002.9/3

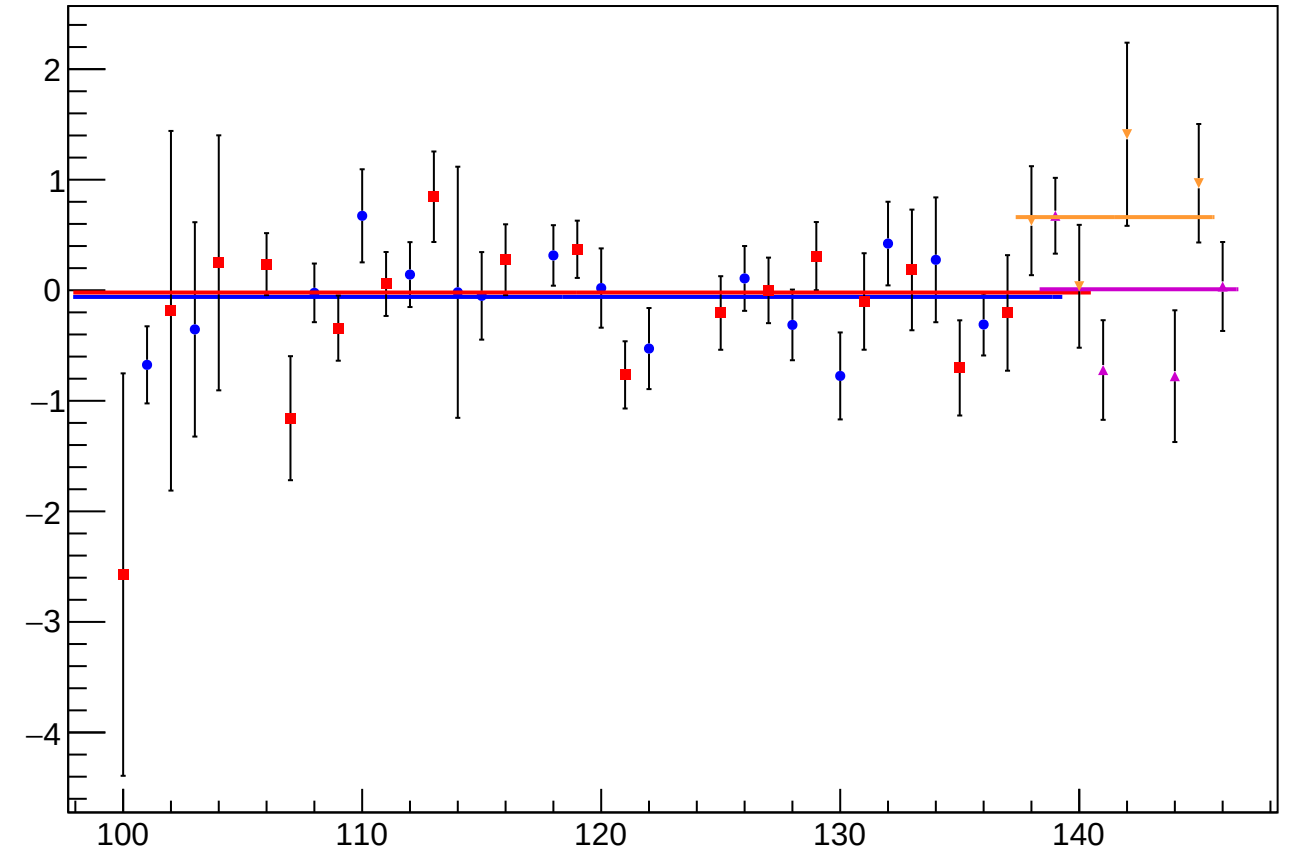
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 380.414+/-0.149 χ^2/NDF:290431.0/3

+ sign 244.402+/-0.060 χ^2/NDF: 2434255.3/19

All: 239.503+/-0.041 χ^2/NDF: 5396350.3/41

- sign 235.043+/-0.057 χ^2/NDF: 2949301.7/21



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.662+/-0.285 χ^2/NDF:2.4/3

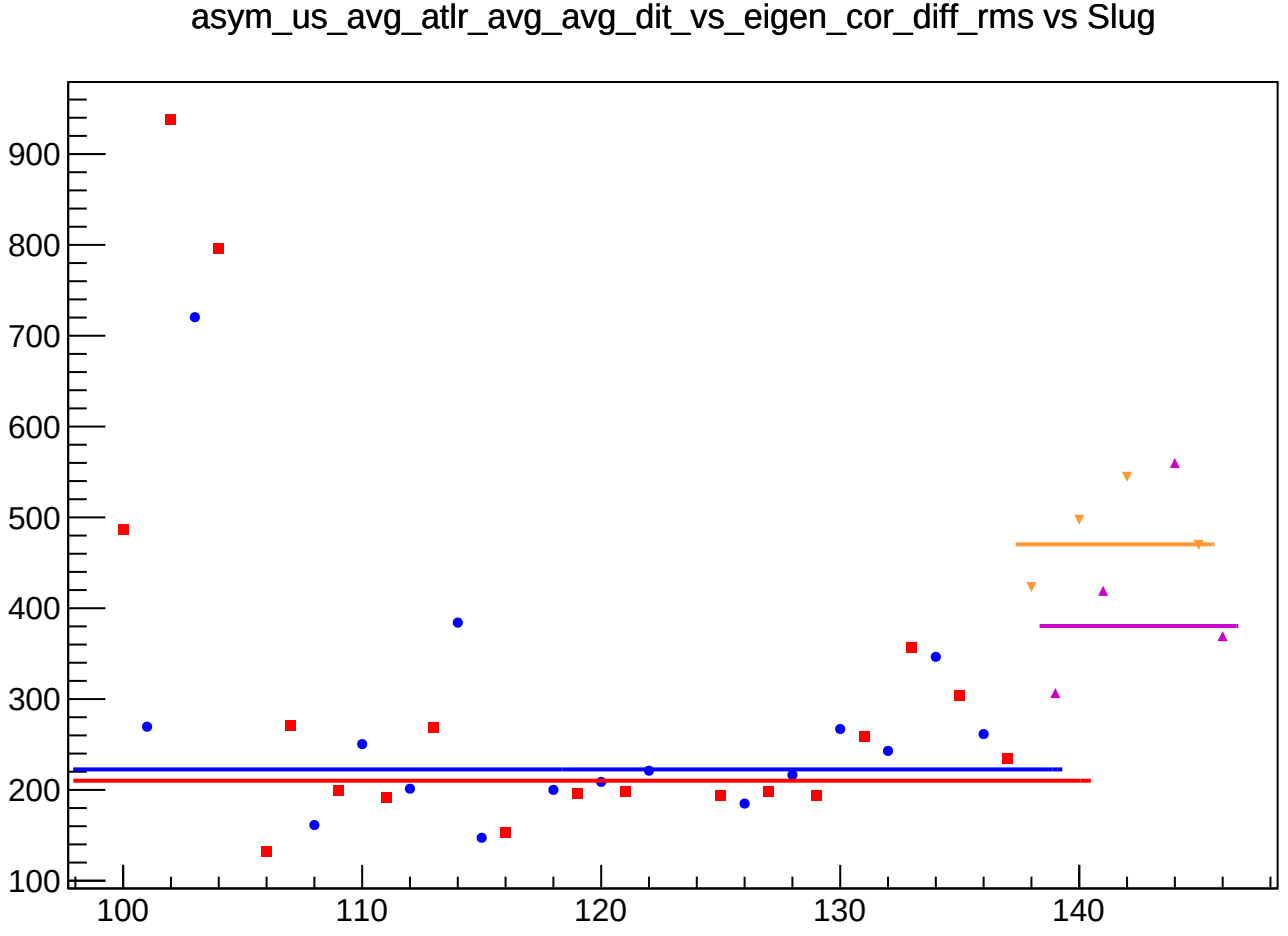
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.009+/-0.211 χ^2/NDF:8.1/3

+ sign 0.003+/-0.085 χ^2/NDF: 25.6/19

All: -0.007+/-0.058 χ^2/NDF: 59.9/41

- sign -0.016+/-0.081 χ^2/NDF: 34.3/21



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 470.342+/-0.202 χ^2/NDF:39002.9/3

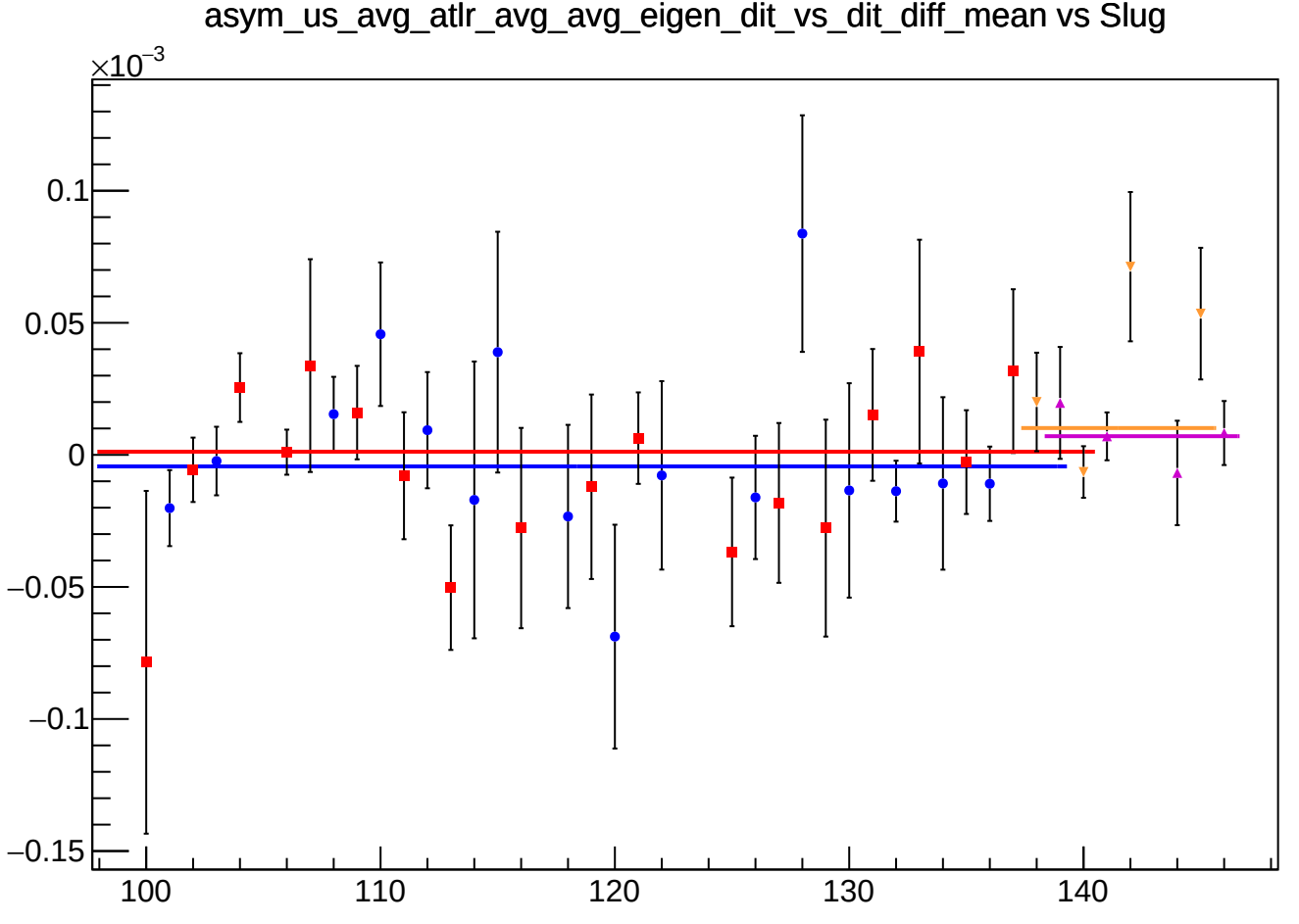
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 380.414+/-0.149 χ^2/NDF:290431.0/3

+ sign 244.402+/-0.060 χ^2/NDF: 2434255.3/19

All: 239.503+/-0.041 χ^2/NDF: 5396350.3/41

- sign 235.043+/-0.057 χ^2/NDF: 2949301.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/3

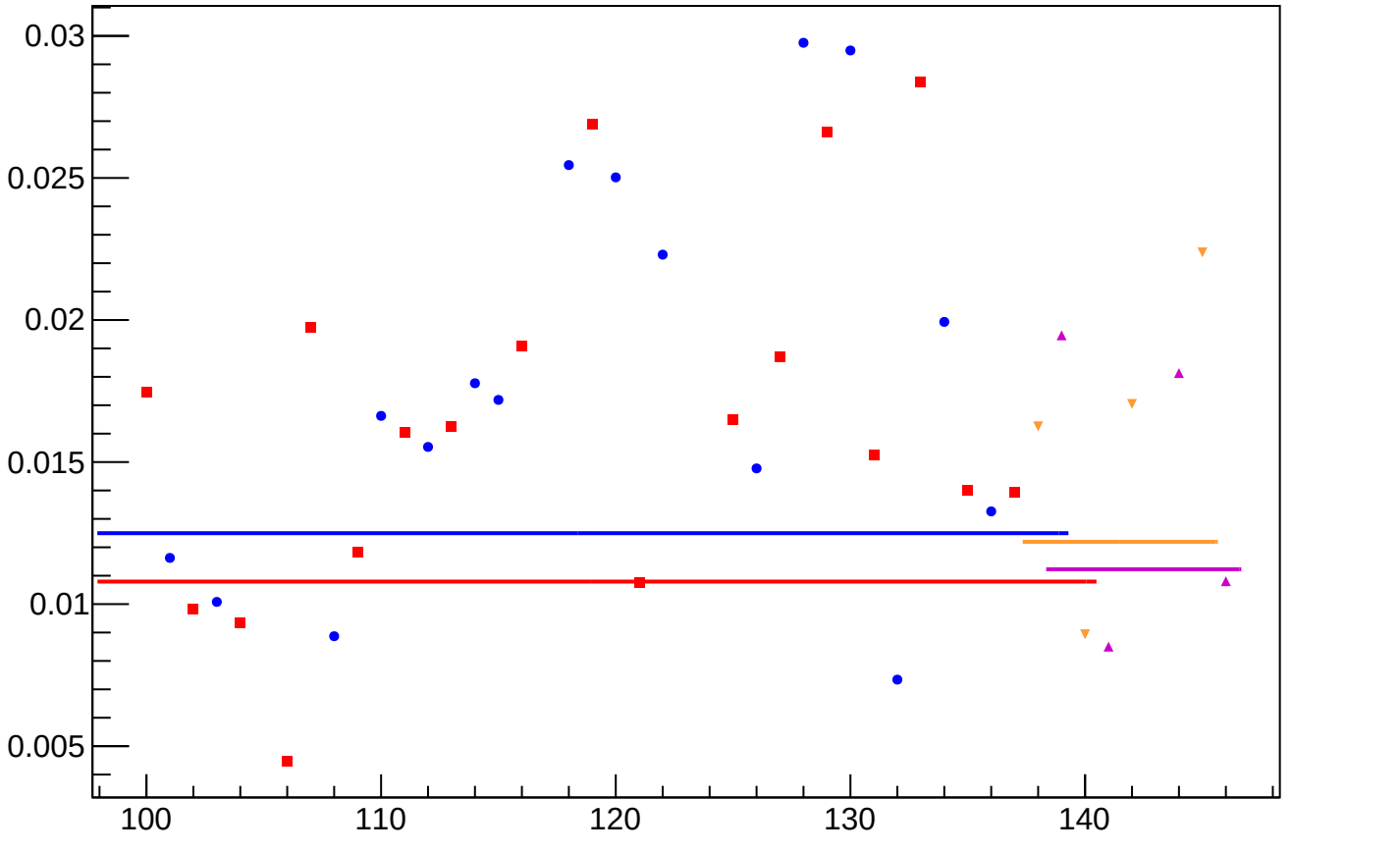
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/19

All: 0.000+/-0.000 χ^2/NDF: 47.9/41

- sign 0.000+/-0.000 χ^2/NDF: 18.6/21



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:710141.6/3

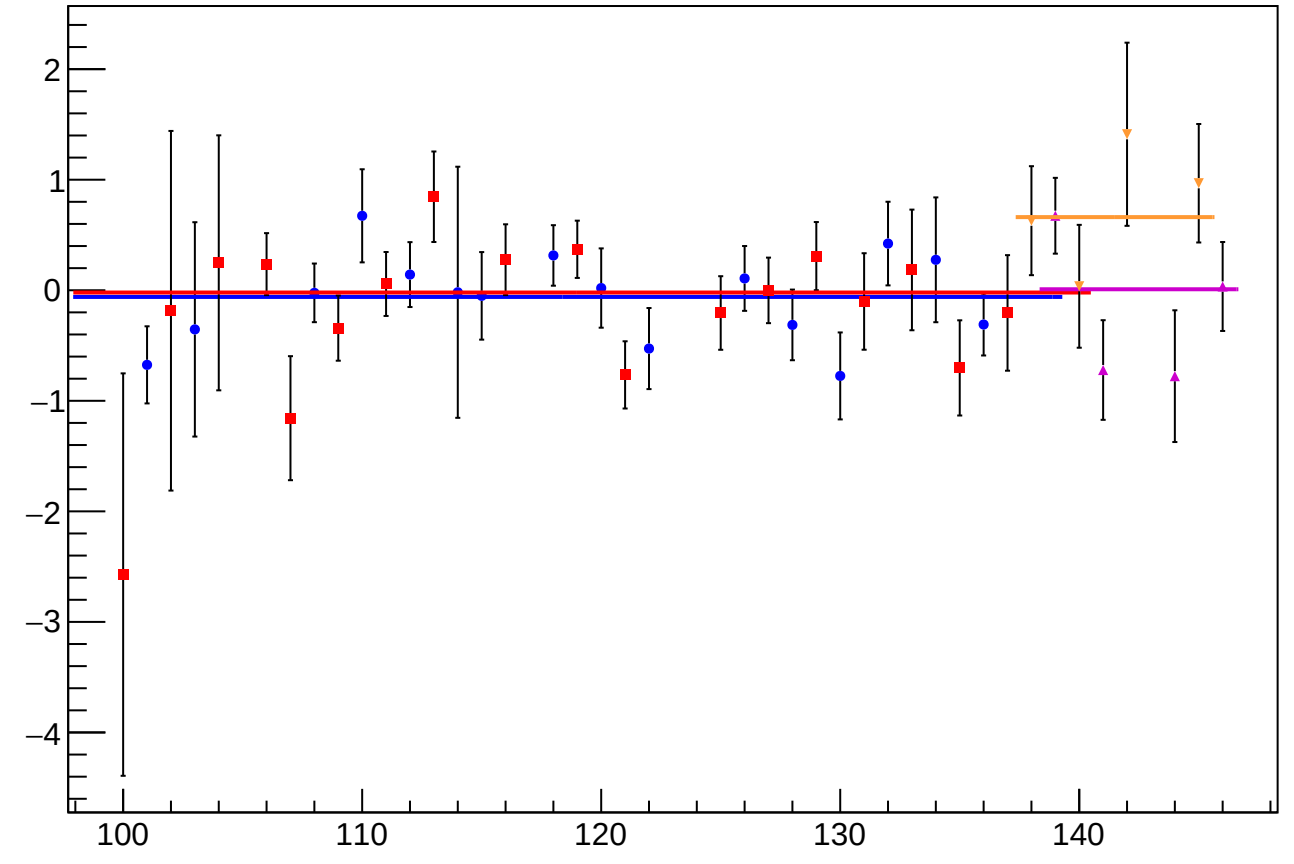
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.011+/-0.000 χ^2/NDF:729205.2/3

+ sign 0.012+/-0.000 χ^2/NDF: 2827210.4/19

All: 0.012+/-0.000 χ^2/NDF: 6684054.5/41

- sign 0.011+/-0.000 χ^2/NDF: 3722972.6/21



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.662+/-0.285 χ^2/NDF:2.4/3

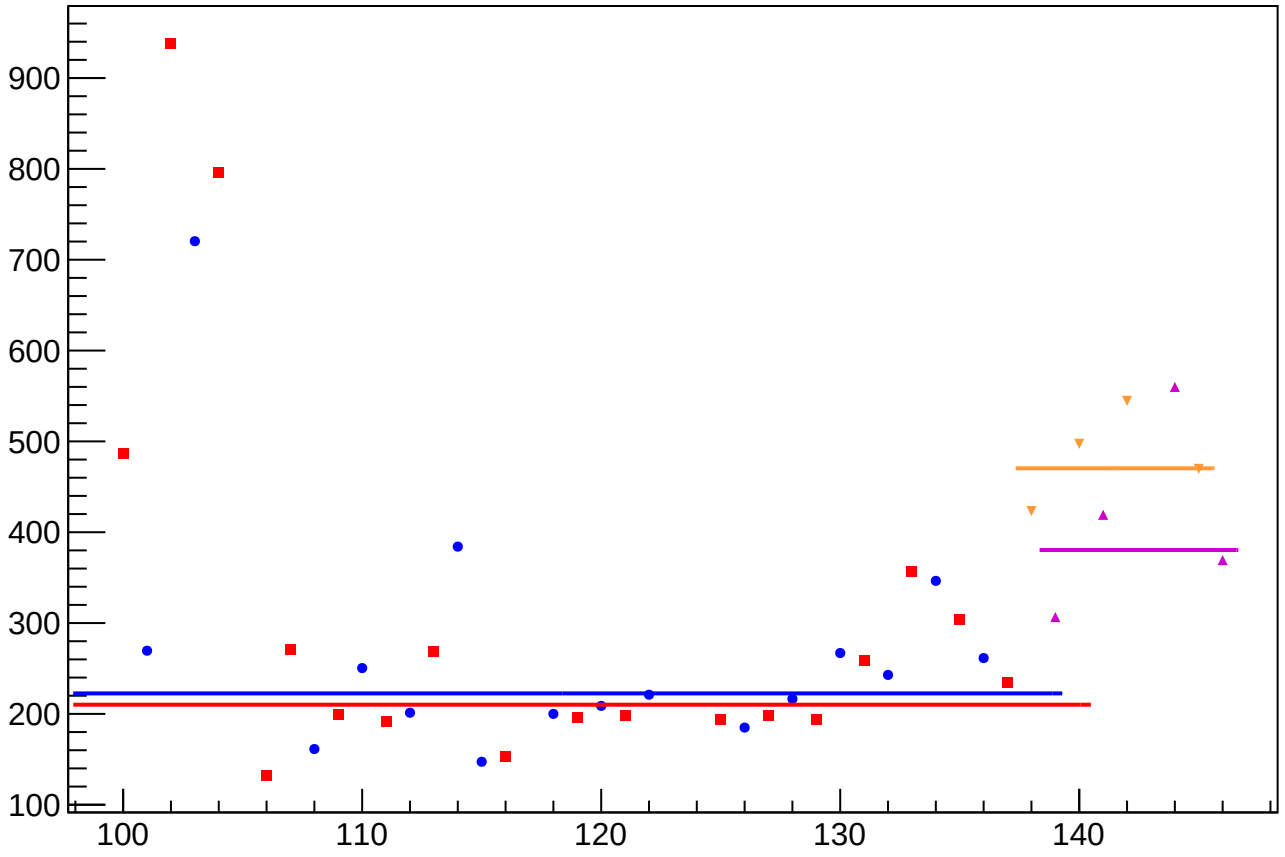
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.009+/-0.211 χ^2/NDF:8.1/3

+ sign 0.003+/-0.085 χ^2/NDF: 25.6/19

All: -0.007+/-0.058 χ^2/NDF: 59.9/41

- sign -0.016+/-0.081 χ^2/NDF: 34.3/21



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 470.347+/-0.202 χ^2/NDF:39003.7/3

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

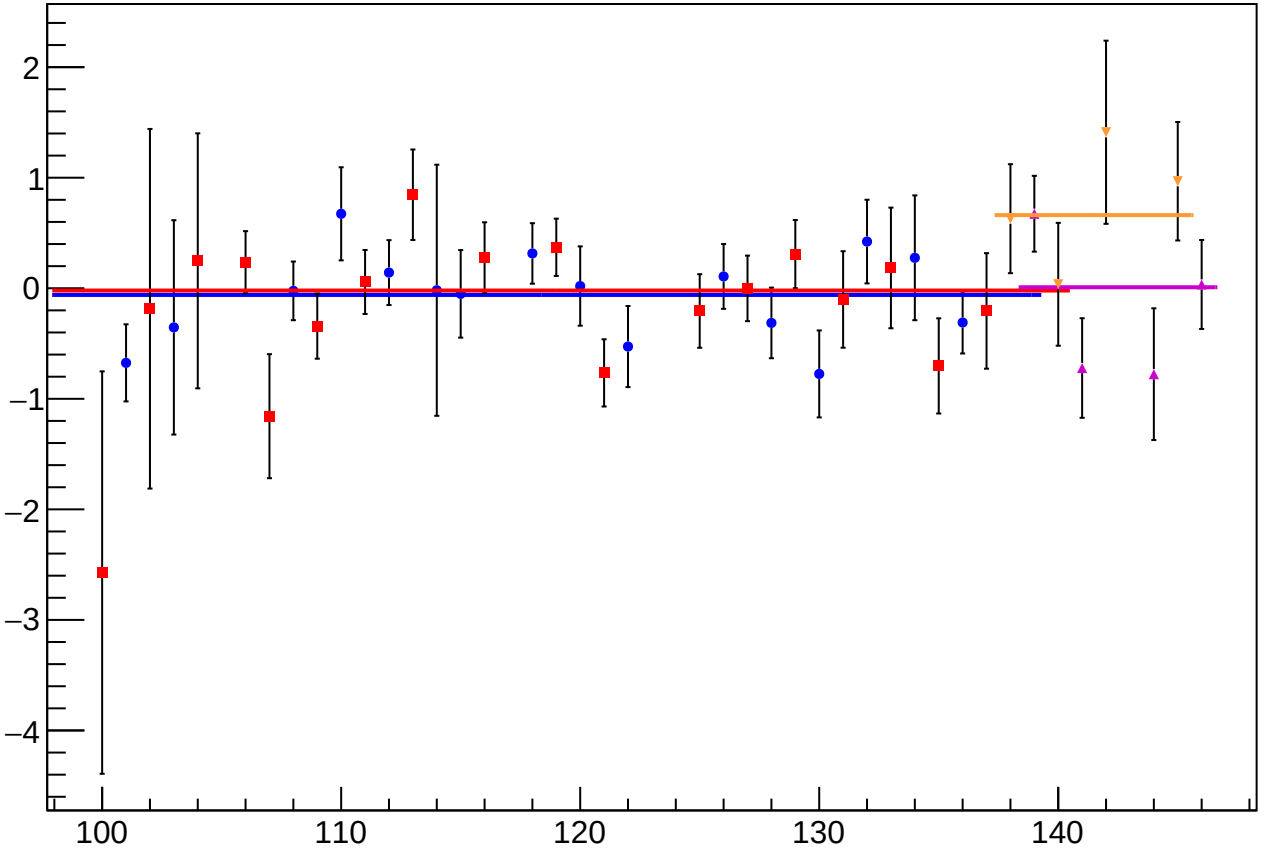
Left In: 380.420+/-0.149 χ^2/NDF:290420.2/3

+ sign 244.400+/-0.060 χ^2/NDF: 2434291.8/19

All: 239.501+/-0.041 χ^2/NDF: 5396447.9/41

- sign 235.041+/-0.057 χ^2/NDF: 2949360.8/21

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.662+/-0.285 χ^2/NDF:2.4/3

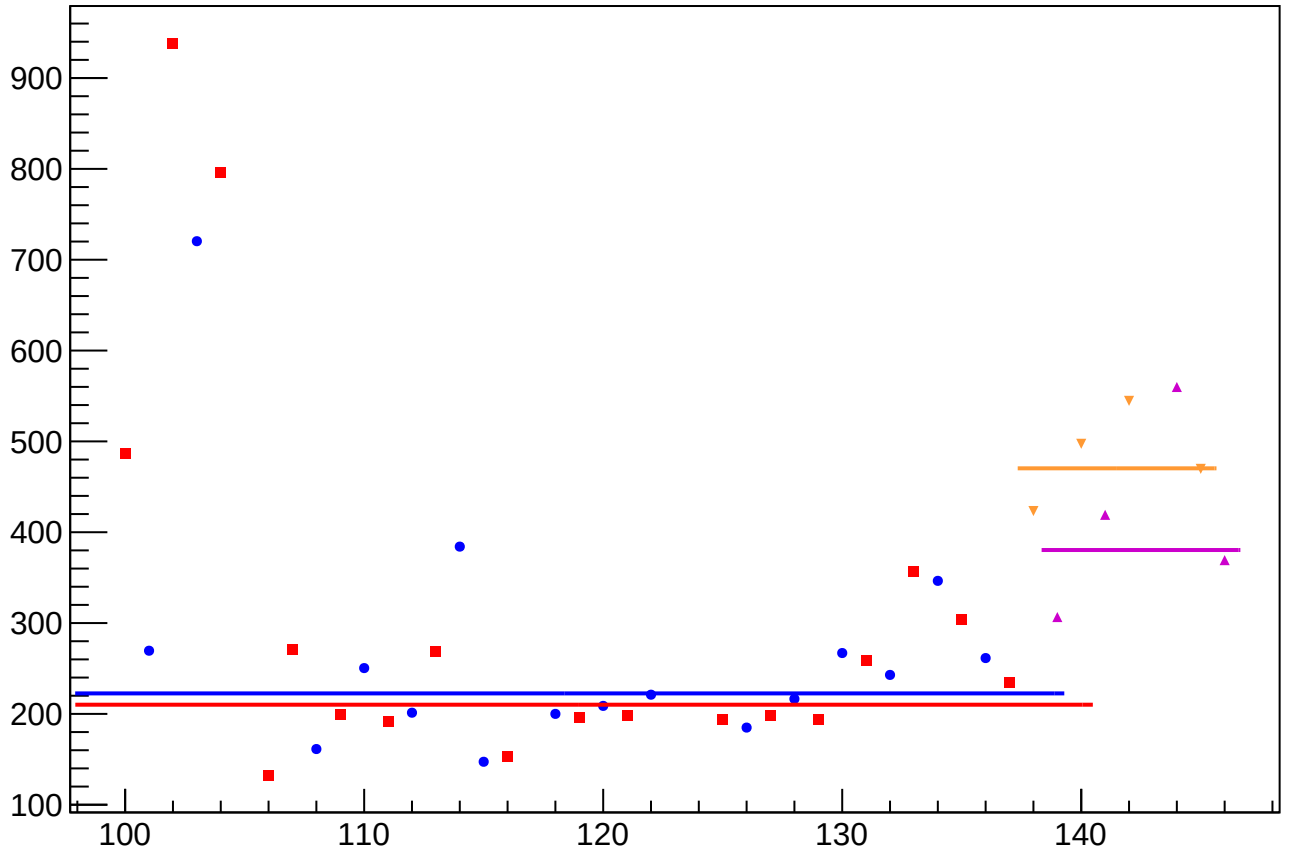
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.009+/-0.211 χ^2/NDF:8.1/3

+ sign 0.003+/-0.085 χ^2/NDF: 25.6/19

All: -0.007+/-0.058 χ^2/NDF: 59.9/41

- sign -0.016+/-0.081 χ^2/NDF: 34.3/21



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 470.347+/-0.202 χ^2/NDF:39003.7/3

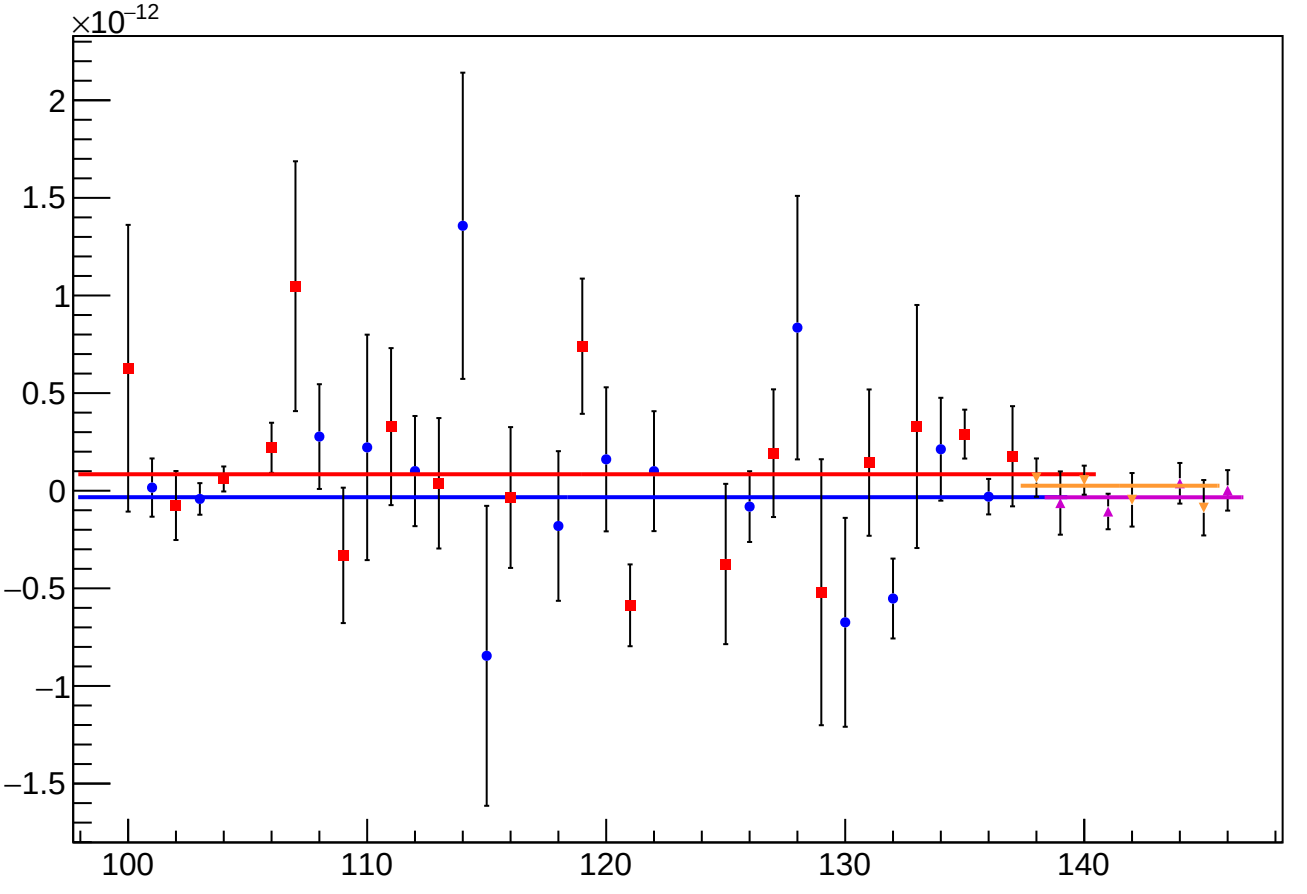
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 380.420+/-0.149 χ^2/NDF:290420.2/3

+ sign 244.400+/-0.060 χ^2/NDF: 2434291.8/19

All: 239.501+/-0.041 χ^2/NDF: 5396447.9/41

- sign 235.041+/-0.057 χ^2/NDF: 2949360.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/3

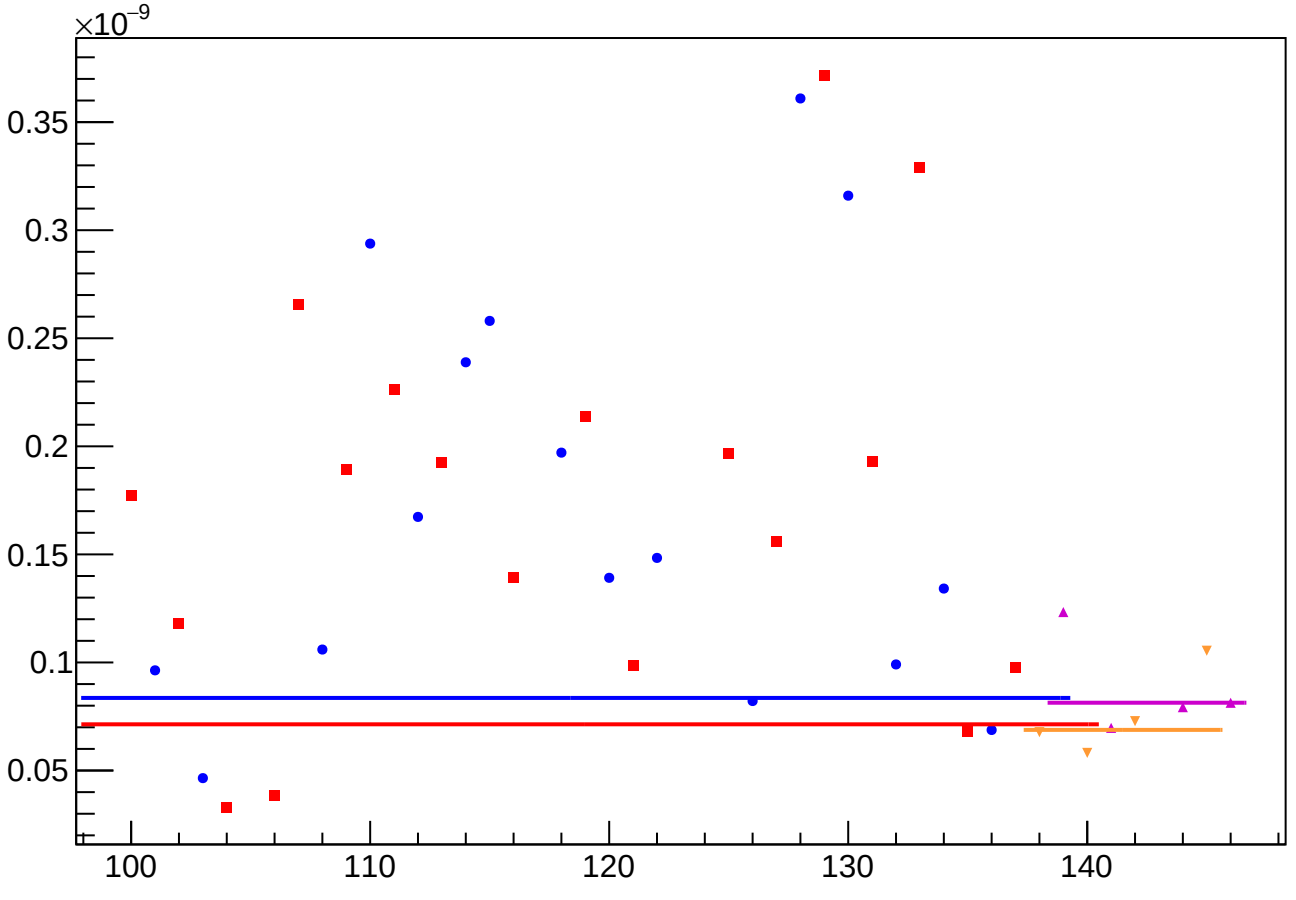
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/19

All: 0.000+/-0.000 χ^2/NDF: 49.9/41

- sign 0.000+/-0.000 χ^2/NDF: 30.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:176199.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

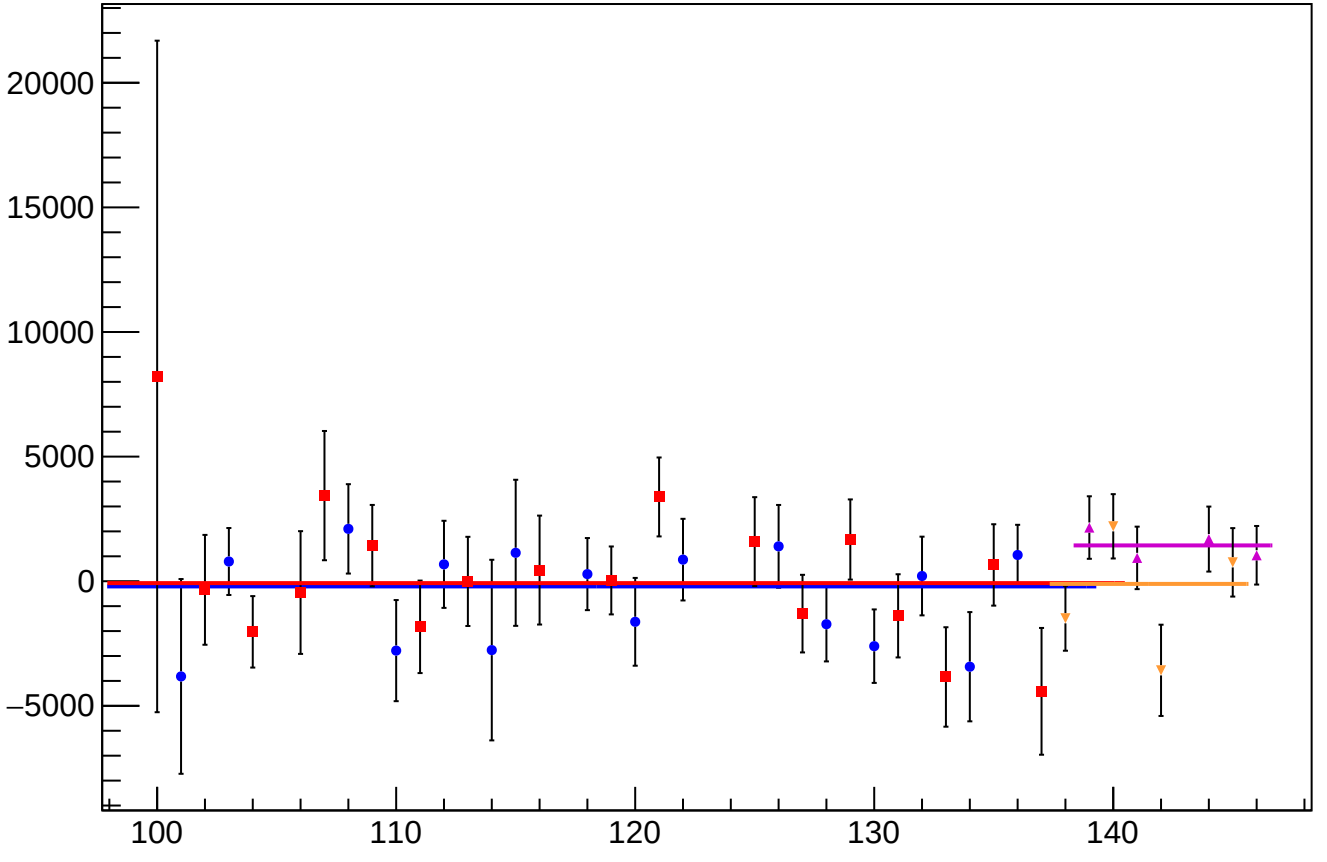
Left In: 0.000+/-0.000 χ^2/NDF:167526.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 2502701.6/19

All: 0.000+/-0.000 χ^2/NDF: 6457941.0/41

- sign 0.000+/-0.000 χ^2/NDF: 3953703.1/21

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: -107.723+/-703.887 χ^2/NDF:8.3/3

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

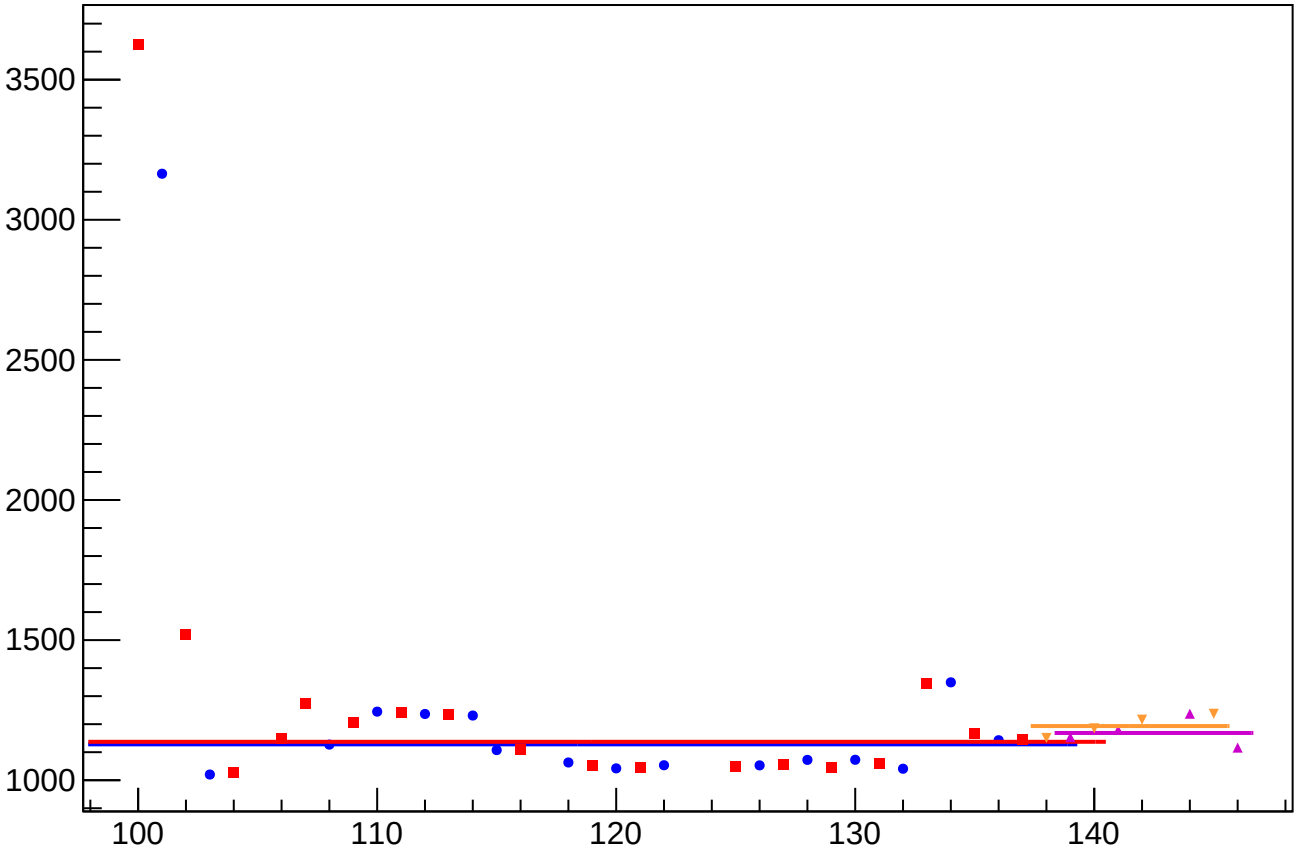
Left In: 1437.033+/-622.168 χ^2/NDF:0.6/3

+ sign -181.072+/-366.421 χ^2/NDF: 23.1/19

All: 126.858+/-254.653 χ^2/NDF: 49.7/41

- sign 414.526+/-354.160 χ^2/NDF: 25.3/21

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1193.270+/-0.498 χ^2/NDF:4552.0/3

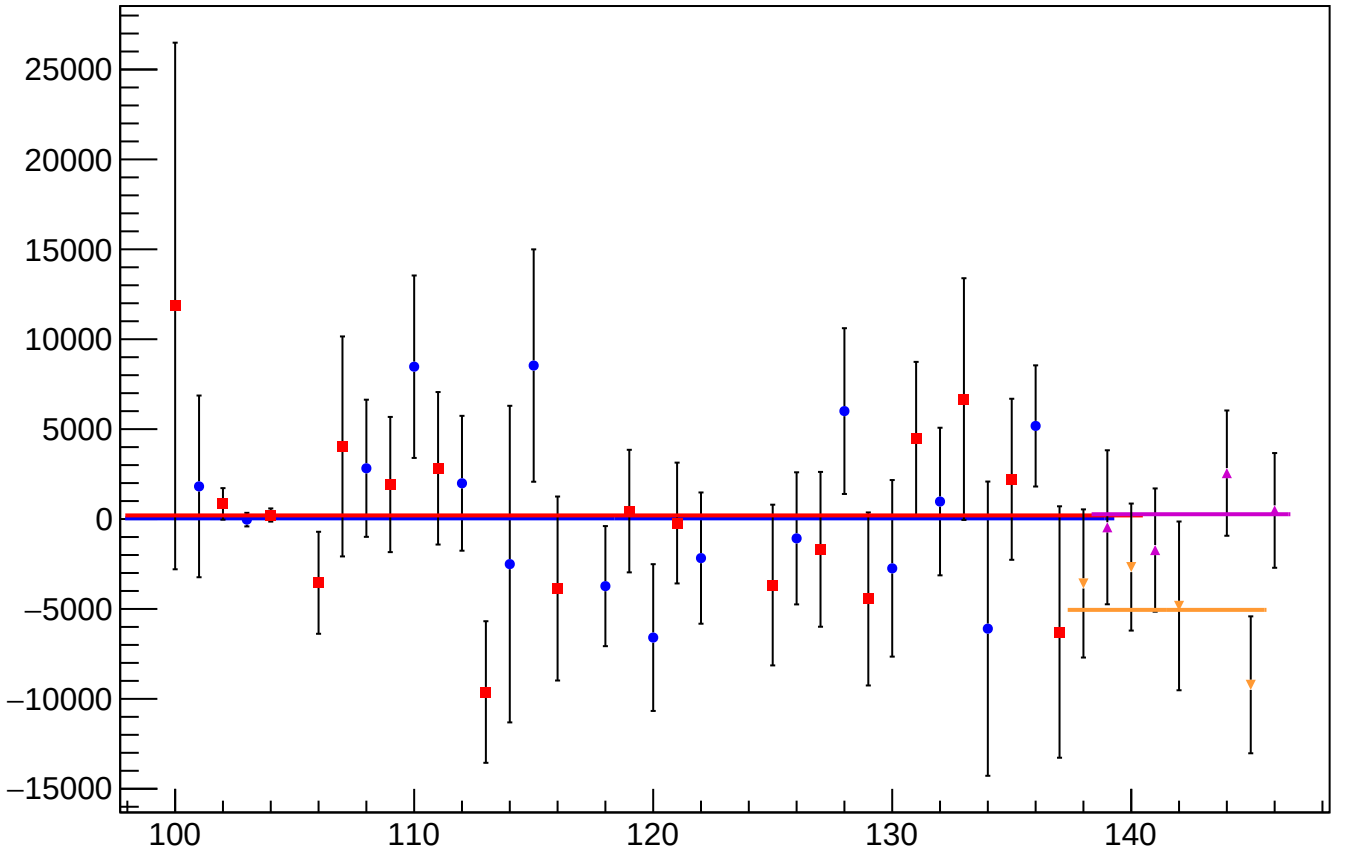
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

+ sign 1145.693+/-0.259 χ^2/NDF: 638480.3/19

All: 1146.492+/-0.180 χ^2/NDF: 871999.5/41

- sign 1147.238+/-0.250 χ^2/NDF: 233500.8/21



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -5051.396+/-1986.183 χ^2/NDF:1.8/3

Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

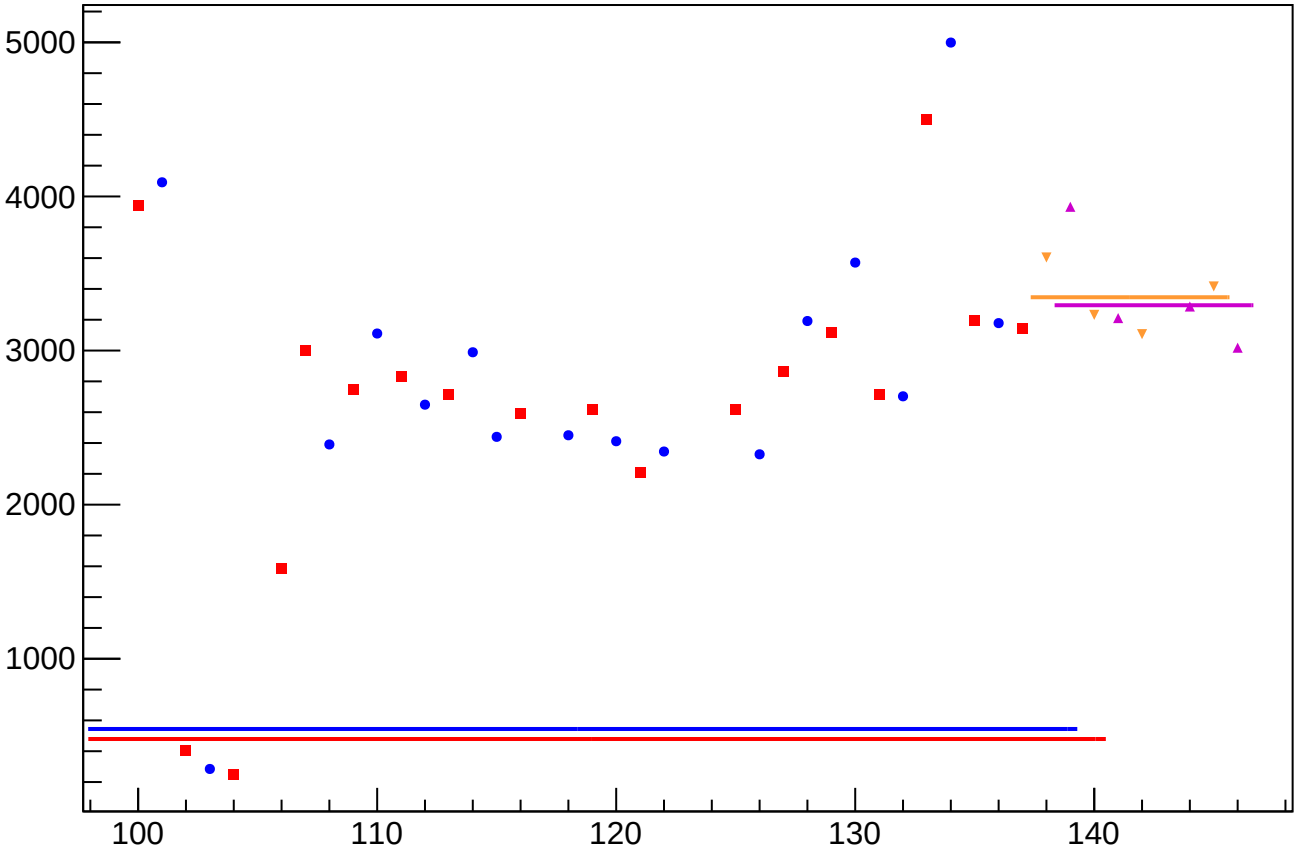
Left In: 267.627+/-1766.754 χ^2/NDF:0.8/3

+ sign -121.550+/-351.990 χ^2/NDF: 23.0/19

All: 57.926+/-235.678 χ^2/NDF: 39.9/41

- sign 203.770+/-317.301 χ^2/NDF: 16.4/21

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3345.918+/-1.404 χ^2/NDF:15836.5/3

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

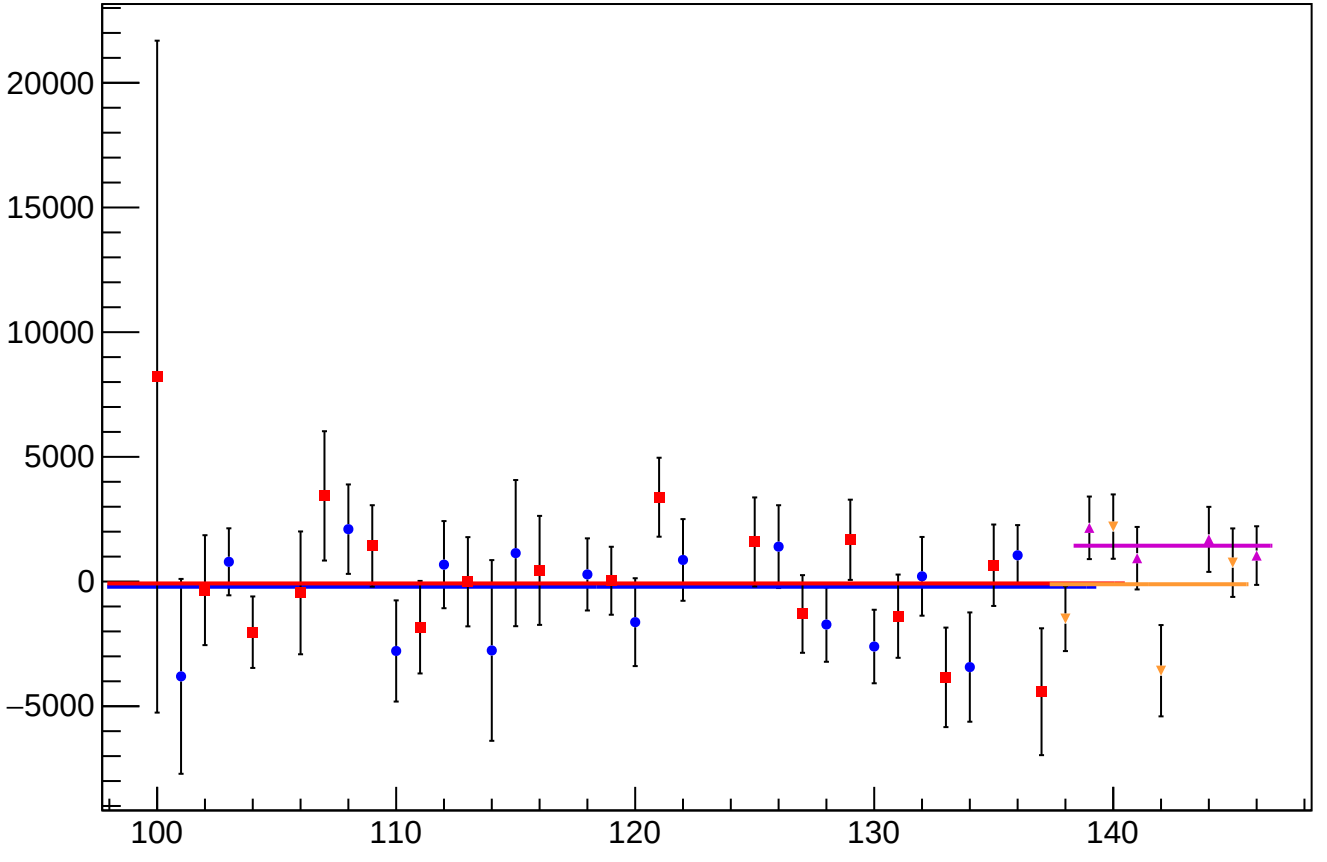
Left In: 3294.106+/-1.249 χ^2/NDF:60626.6/3

+ sign 632.324+/-0.249 χ^2/NDF: 13553050.7/19

All: 597.965+/-0.167 χ^2/NDF: 27749246.6/41

- sign 570.044+/-0.224 χ^2/NDF: 14161652.6/21

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -107.823+/-703.887 χ^2/NDF:8.3/3

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

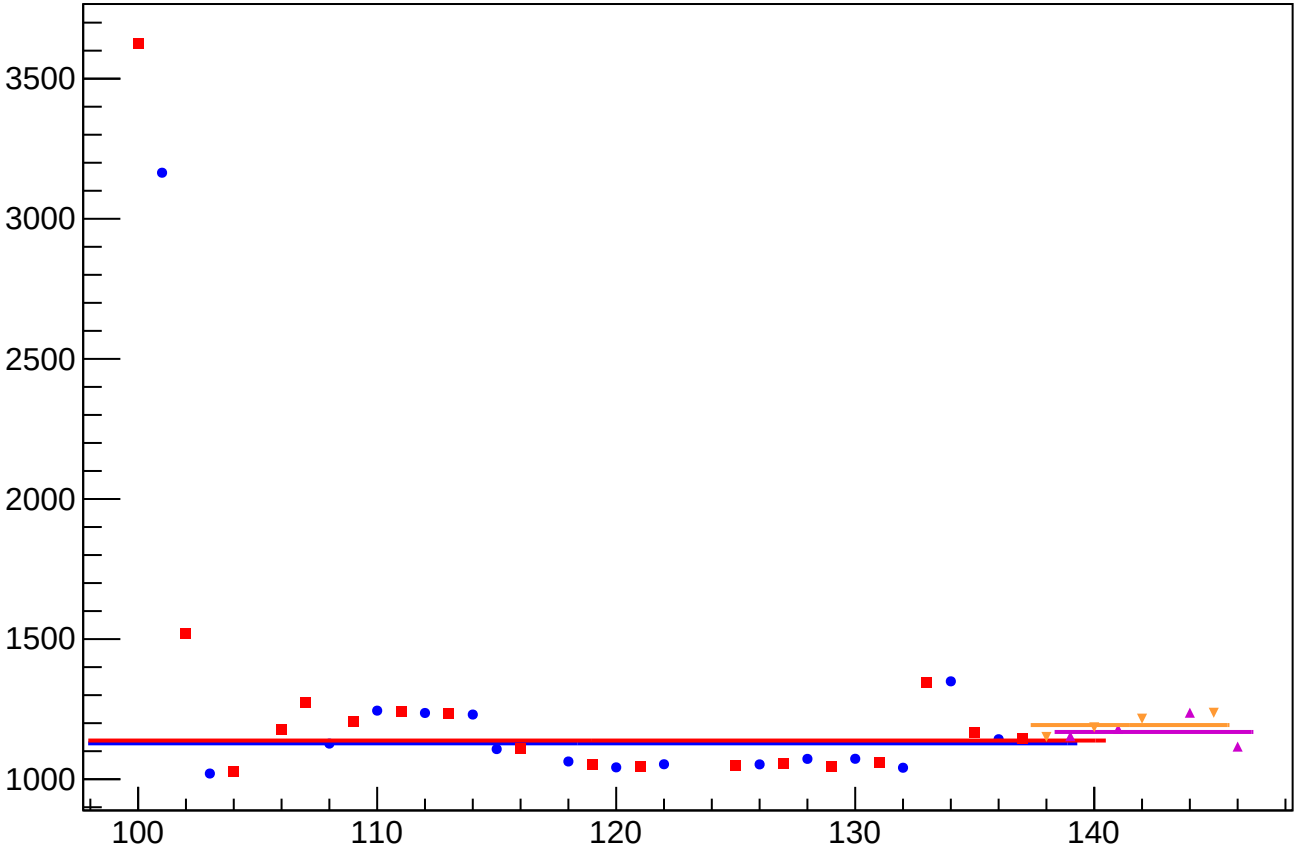
Left In: 1437.199+/-622.168 χ^2/NDF:0.6/3

+ sign -180.933+/-366.421 χ^2/NDF: 23.1/19

All: 126.903+/-254.653 χ^2/NDF: 49.7/41

- sign 414.482+/-354.160 χ^2/NDF: 25.3/21

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1193.270+/-0.498 χ^2/NDF:4552.0/3

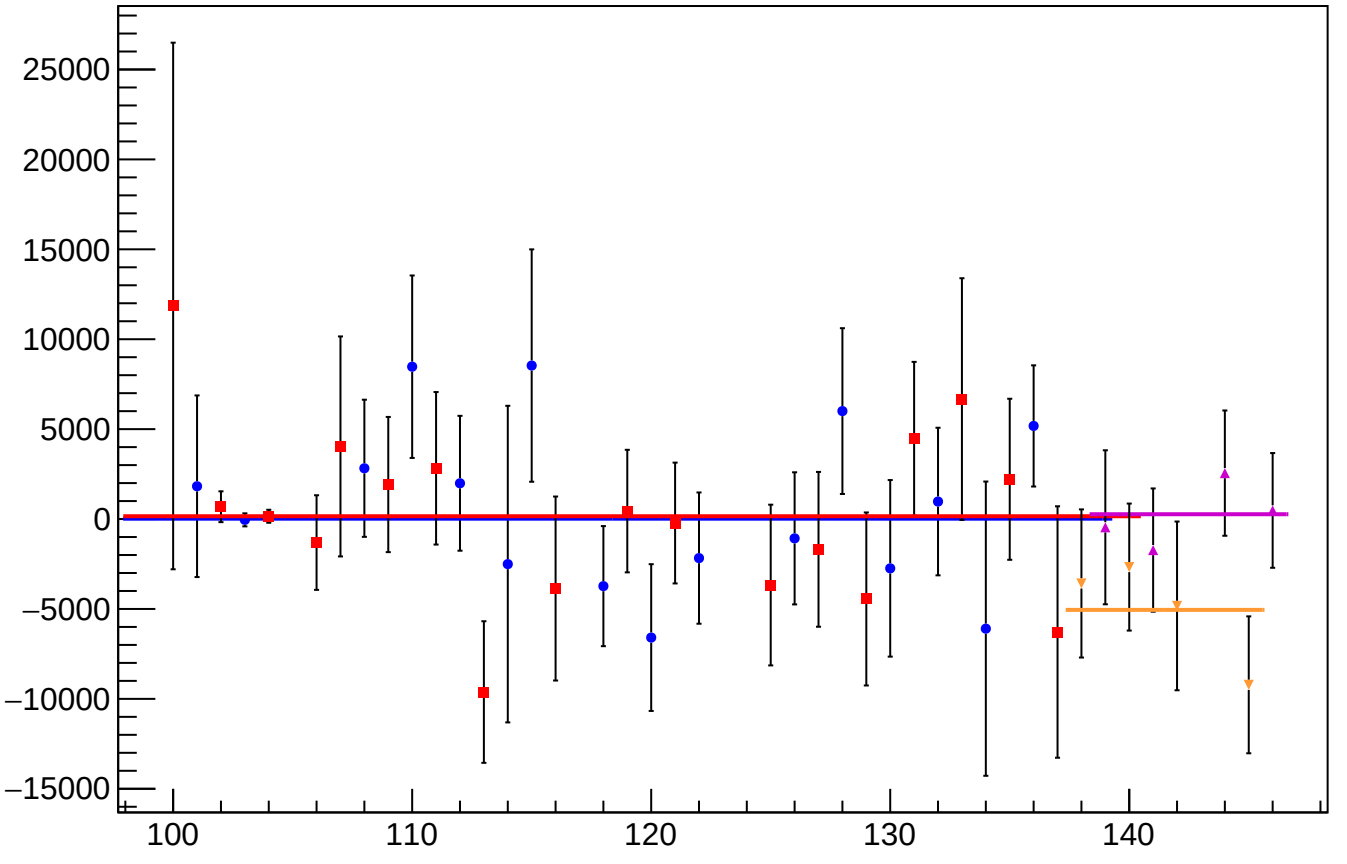
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

+ sign 1145.693+/-0.259 χ^2/NDF: 638481.5/19

All: 1146.836+/-0.180 χ^2/NDF: 872347.3/41

- sign 1147.903+/-0.250 χ^2/NDF: 233828.2/21



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -5051.472+/-1986.181 χ^2/NDF:1.8/3

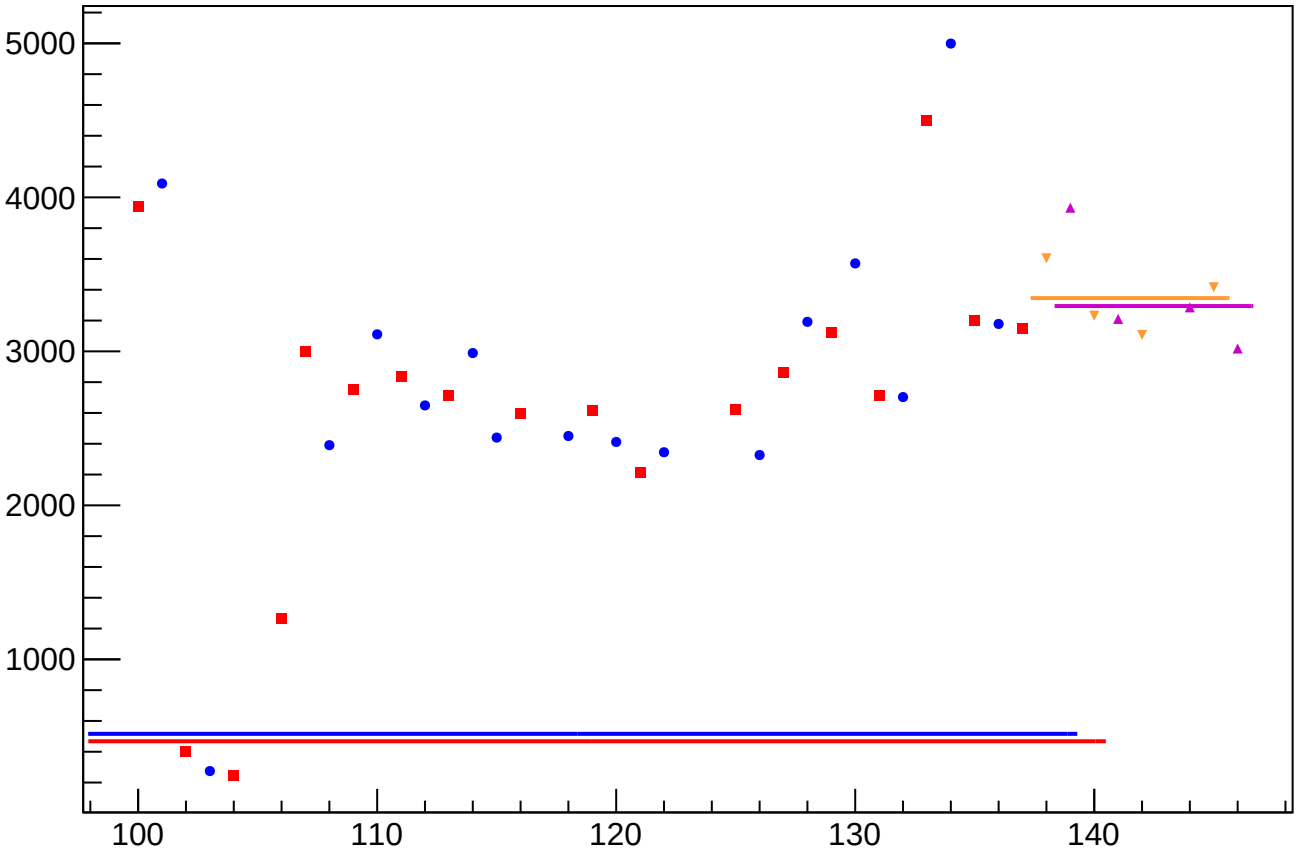
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 267.642+/-1766.754 χ^2/NDF:0.8/3

\+ sign -126.540+/-339.456 χ^2/NDF: 23.0/19

All: 28.462+/-229.858 χ^2/NDF: 38.2/41

\- sign 159.713+/-312.367 χ^2/NDF: 14.8/21



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3345.913+/-1.404 χ^2/NDF:15836.0/3

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

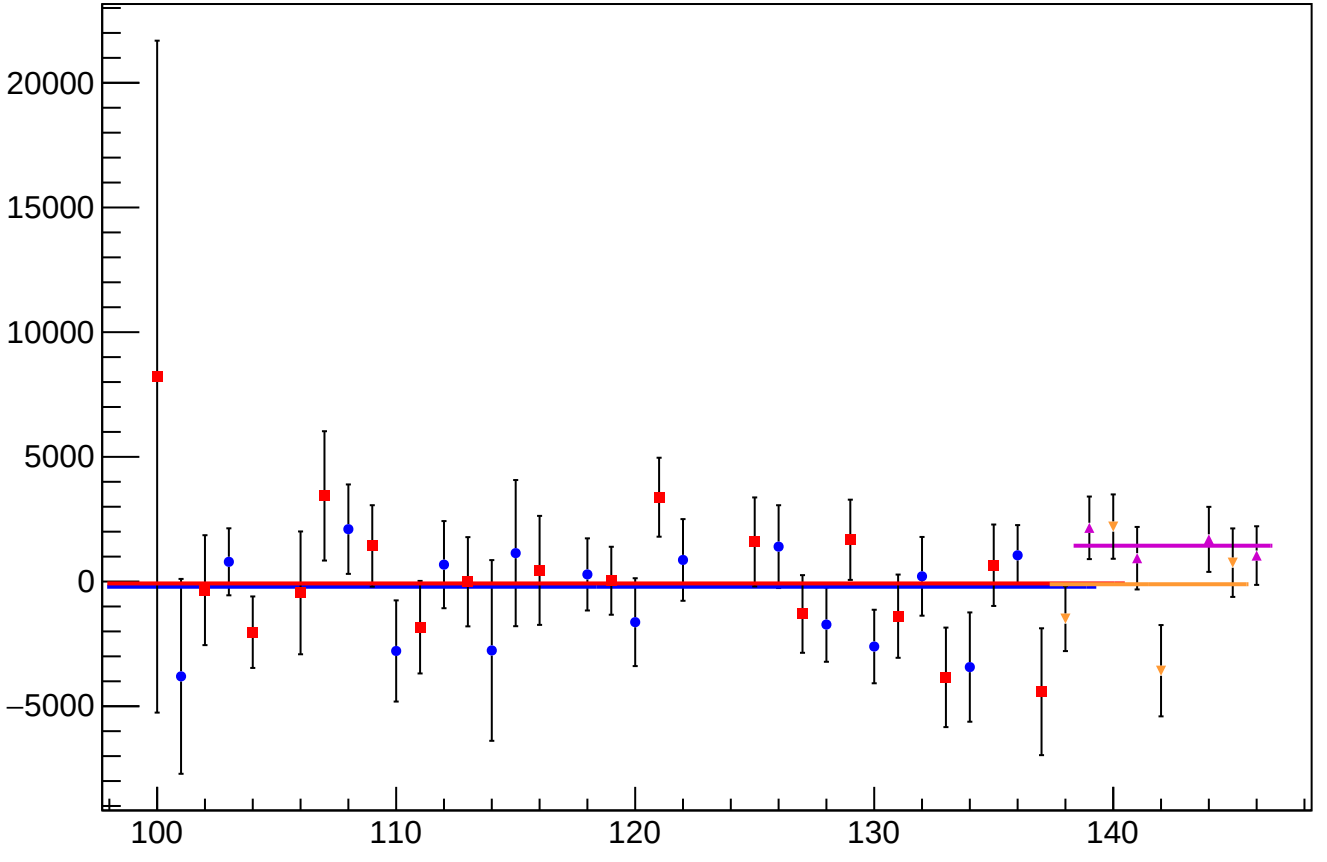
Left In: 3294.105+/-1.249 χ^2/NDF:60627.6/3

+ sign 598.950+/-0.240 χ^2/NDF: 13791200.8/19

All: 575.909+/-0.163 χ^2/NDF: 27937346.2/41

- sign 556.400+/-0.221 χ^2/NDF: 14129129.9/21

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -107.823+/-703.887 χ^2/NDF:8.3/3

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

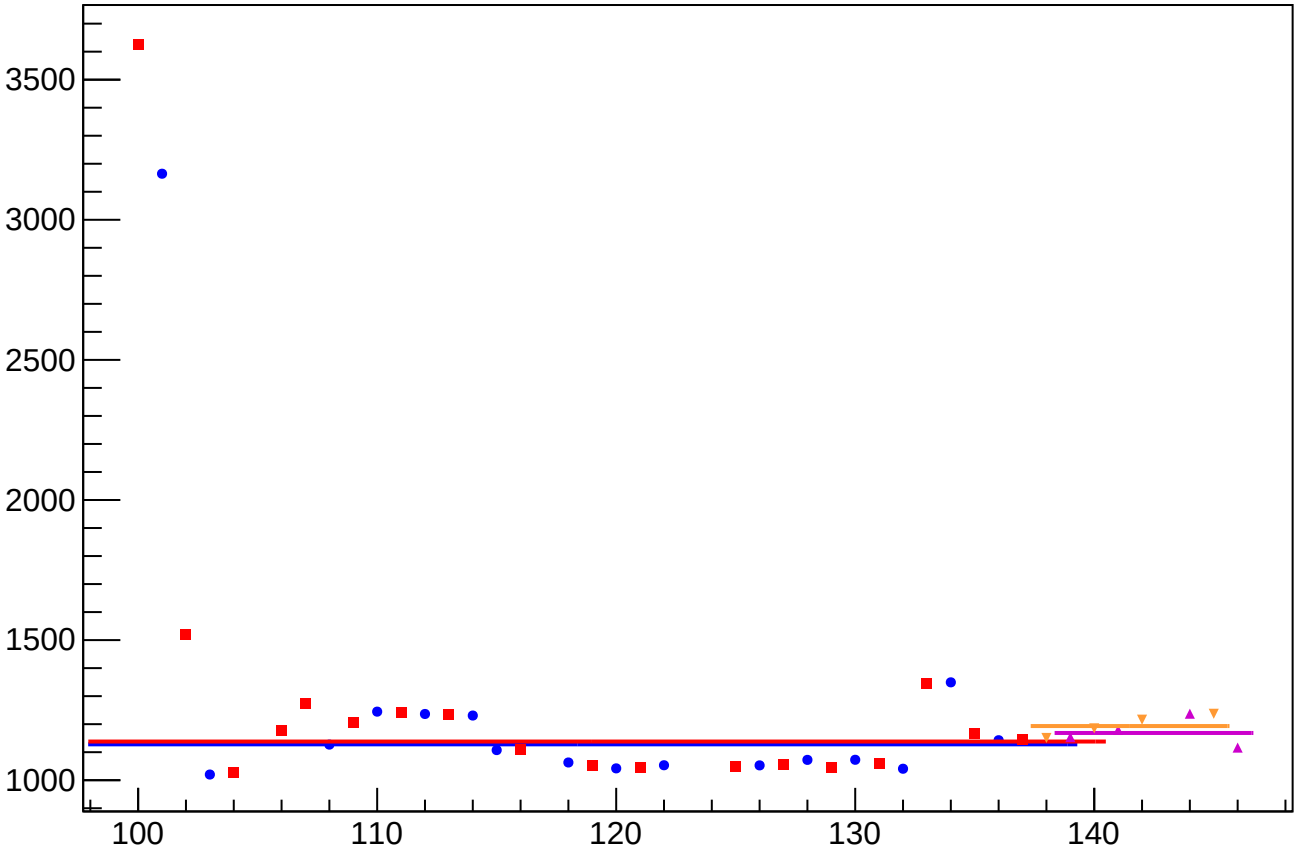
Left In: 1437.199+/-622.168 χ^2/NDF:0.6/3

+ sign -180.933+/-366.421 χ^2/NDF: 23.1/19

All: 126.903+/-254.653 χ^2/NDF: 49.7/41

- sign 414.482+/-354.160 χ^2/NDF: 25.3/21

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1193.270+/-0.498 χ^2/NDF:4552.0/3

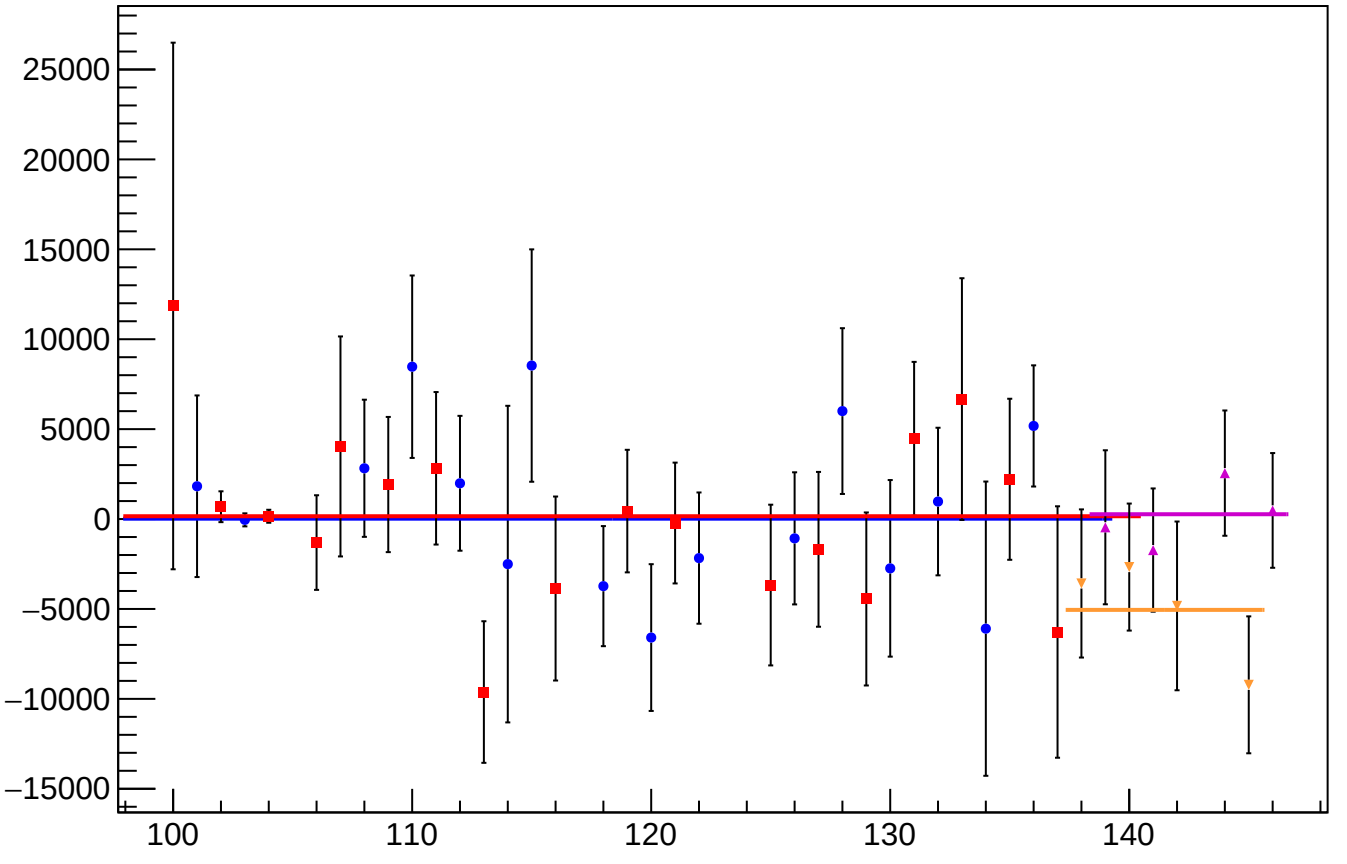
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

+ sign 1145.693+/-0.259 χ^2/NDF: 638481.5/19

All: 1146.836+/-0.180 χ^2/NDF: 872347.3/41

- sign 1147.903+/-0.250 χ^2/NDF: 233828.2/21



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -5051.472+/-1986.181 χ^2/NDF:1.8/3

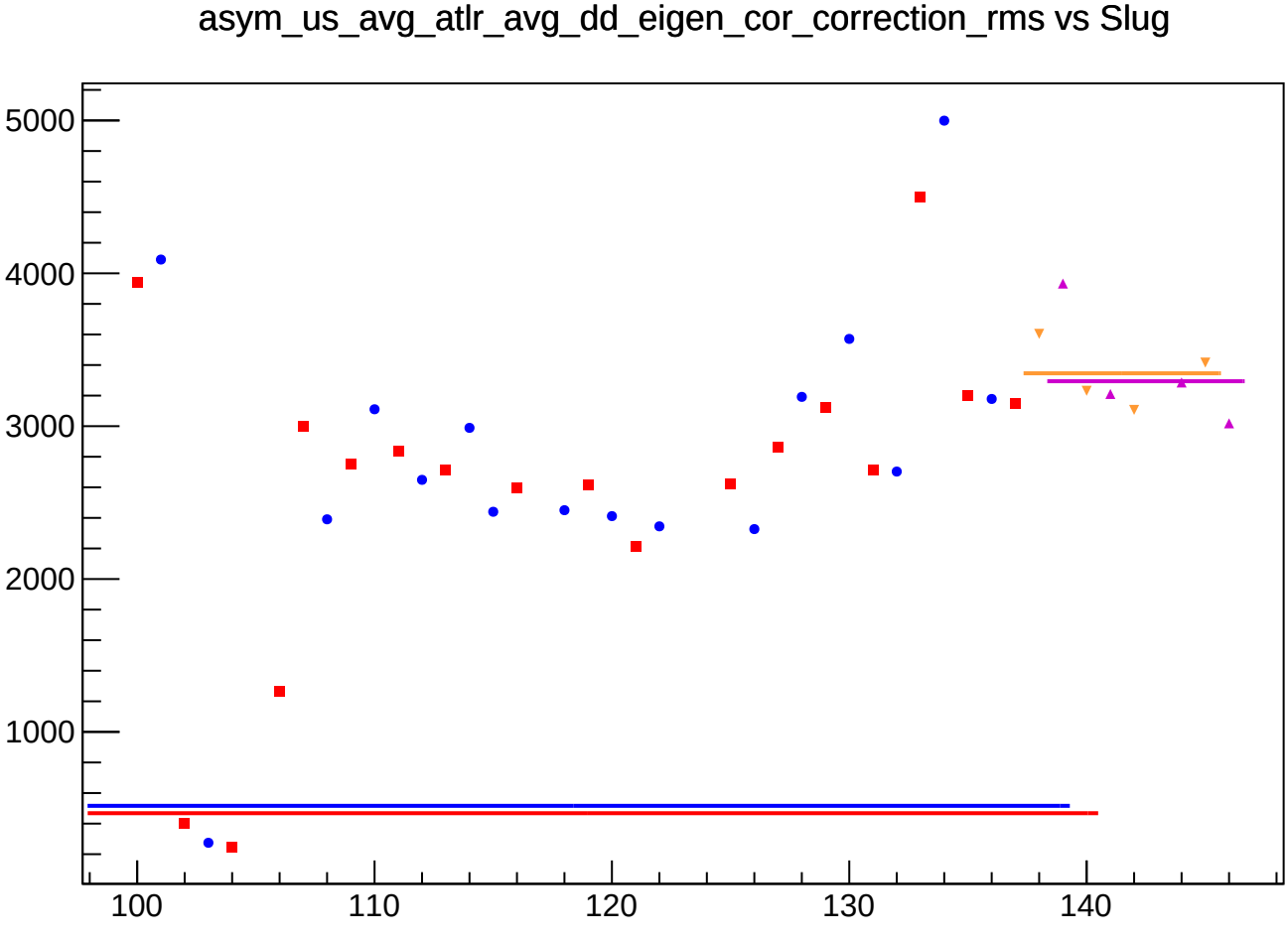
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 267.642+/-1766.754 χ^2/NDF:0.8/3

\+ sign -126.540+/-339.456 χ^2/NDF: 23.0/19

All: 28.462+/-229.858 χ^2/NDF: 38.2/41

\- sign 159.713+/-312.367 χ^2/NDF: 14.8/21



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3345.913+/-1.404 χ^2/NDF:15836.0/3

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

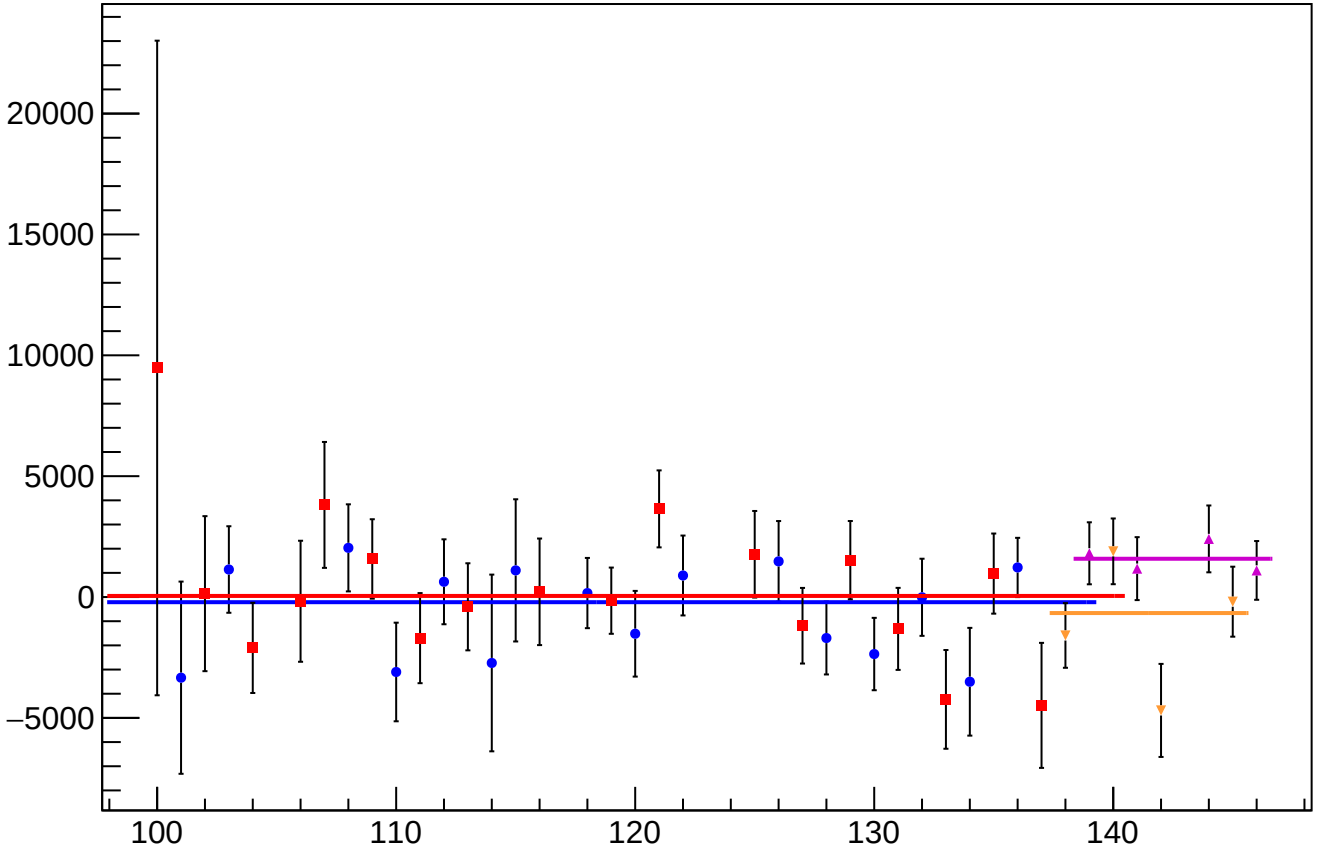
Left In: 3294.105+/-1.249 χ^2/NDF:60627.6/3

+ sign 598.950+/-0.240 χ^2/NDF: 13791200.8/19

All: 575.909+/-0.163 χ^2/NDF: 27937346.2/41

- sign 556.400+/-0.221 χ^2/NDF: 14129129.9/21

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: -662.454+/-735.798 χ^2/NDF:8.5/3

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

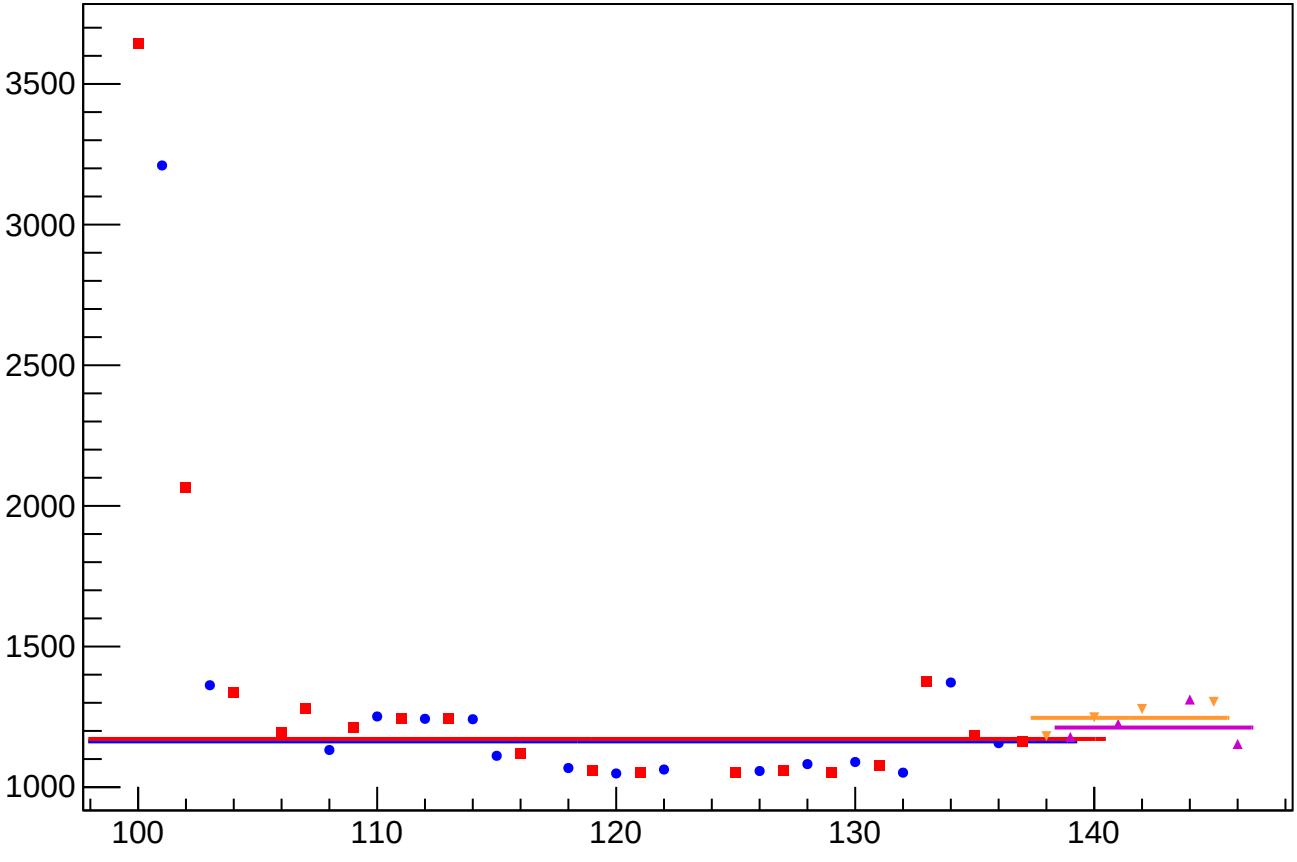
Left In: 1583.488+/-645.726 χ^2/NDF:0.6/3

+ sign -332.509+/-379.324 χ^2/NDF: 23.1/19

All: 119.489+/-264.000 χ^2/NDF: 52.0/41

- sign 544.102+/-367.654 χ^2/NDF: 26.1/21

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1246.549+/-0.520 χ^2/NDF:8360.9/3

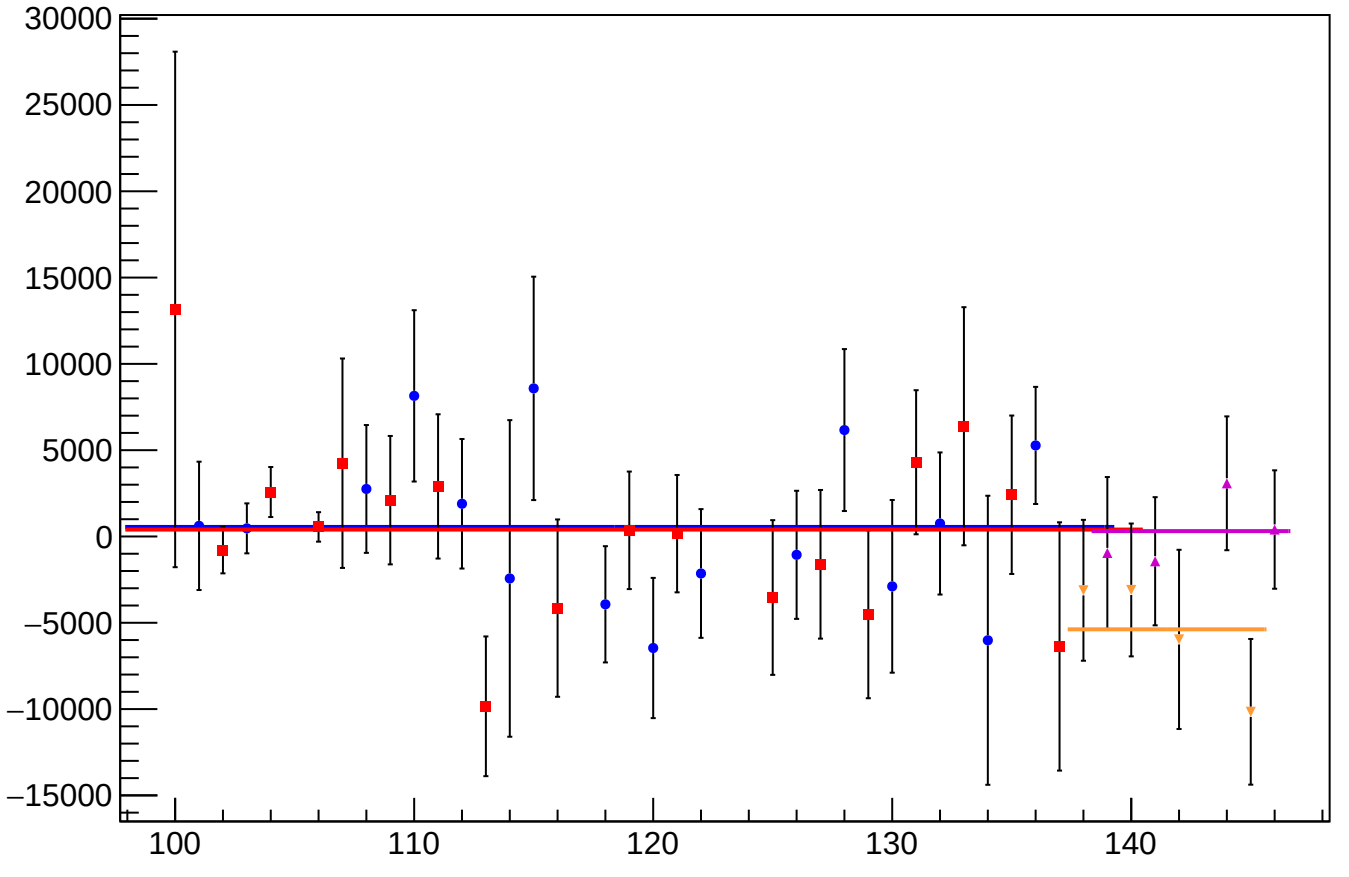
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1212.000+/-0.457 χ^2/NDF:16575.0/3

+ sign 1185.096+/-0.268 χ^2/NDF: 662715.3/19

All: 1184.823+/-0.187 χ^2/NDF: 1016272.8/41

- sign 1184.567+/-0.260 χ^2/NDF: 353555.4/21



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -5380.022+/-2128.144 χ^2/NDF:2.0/3

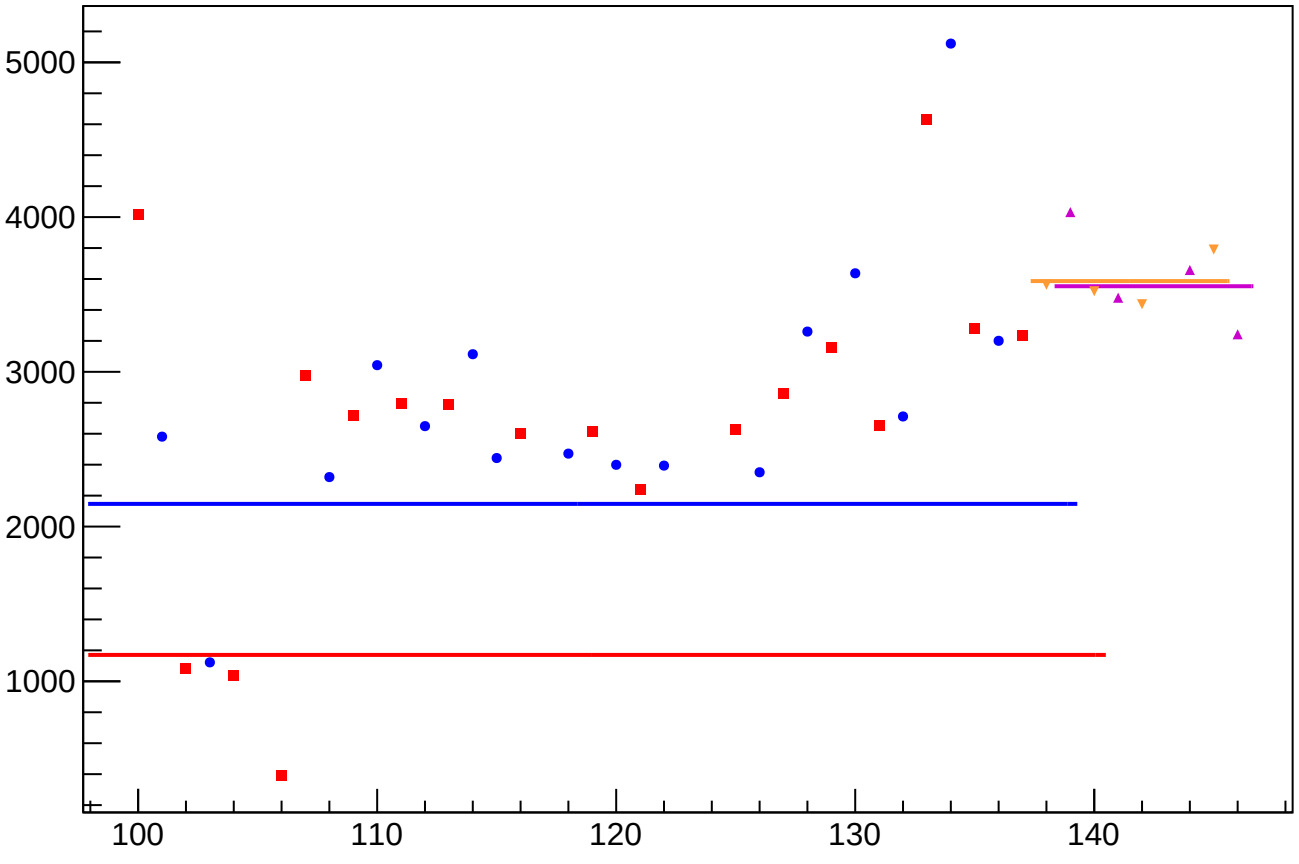
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 310.898+/-1904.248 χ^2/NDF:0.8/3

\+ sign -303.891+/-808.576 χ^2/NDF: 23.0/19

All: 176.829+/-450.457 χ^2/NDF: 41.0/41

\- sign 393.167+/-542.428 χ^2/NDF: 17.5/21



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3586.547+/-1.505 χ^2/NDF:6979.3/3

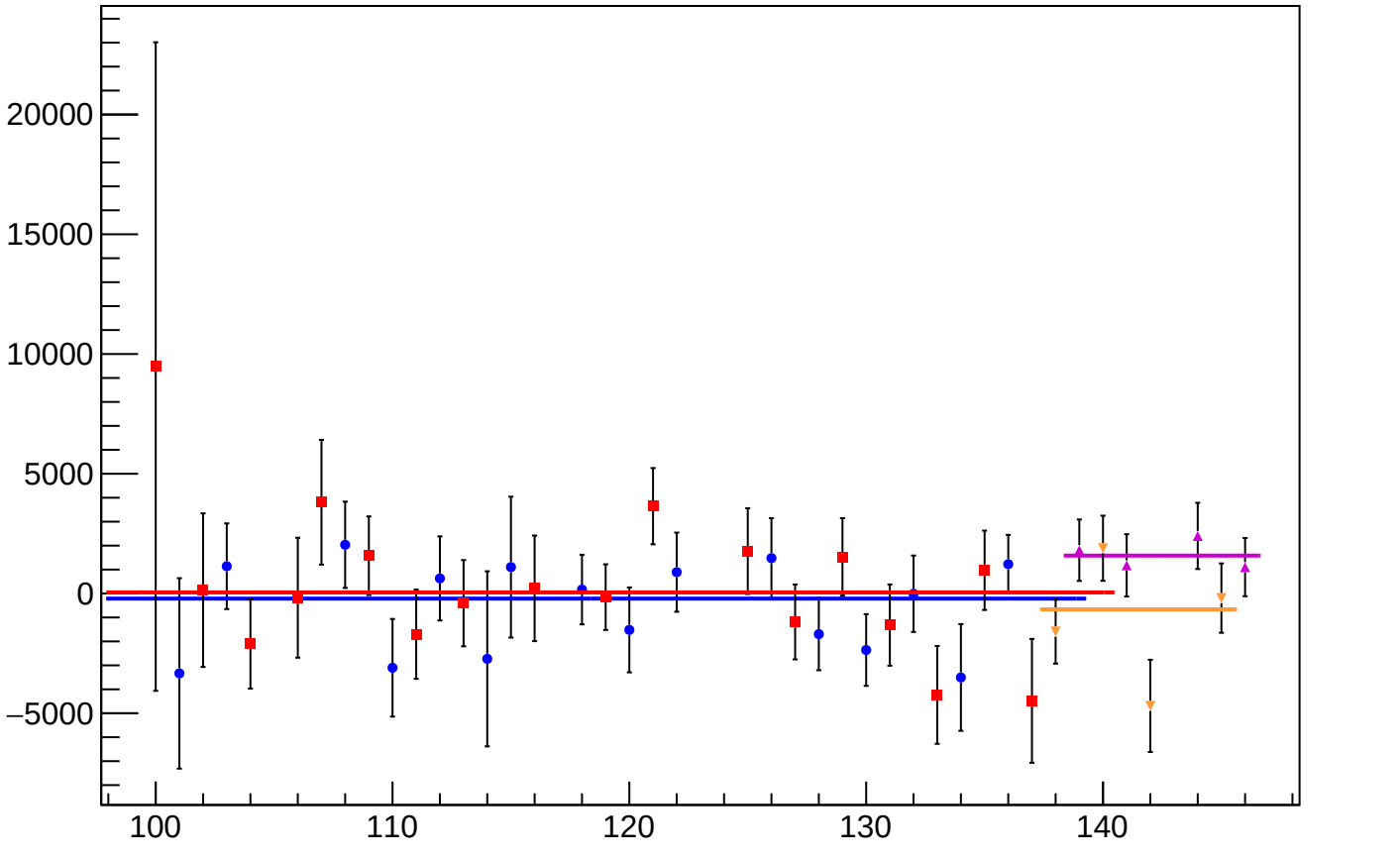
Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3553.216+/-1.347 χ^2/NDF:42387.9/3

+ sign 2354.481+/-0.572 χ^2/NDF: 2765138.6/19

All: 1671.337+/-0.319 χ^2/NDF: 13572162.7/4

- sign 1363.902+/-0.384 χ^2/NDF: 8736932.6/21



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: -662.468+/-735.799 χ^2/NDF:8.5/3

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

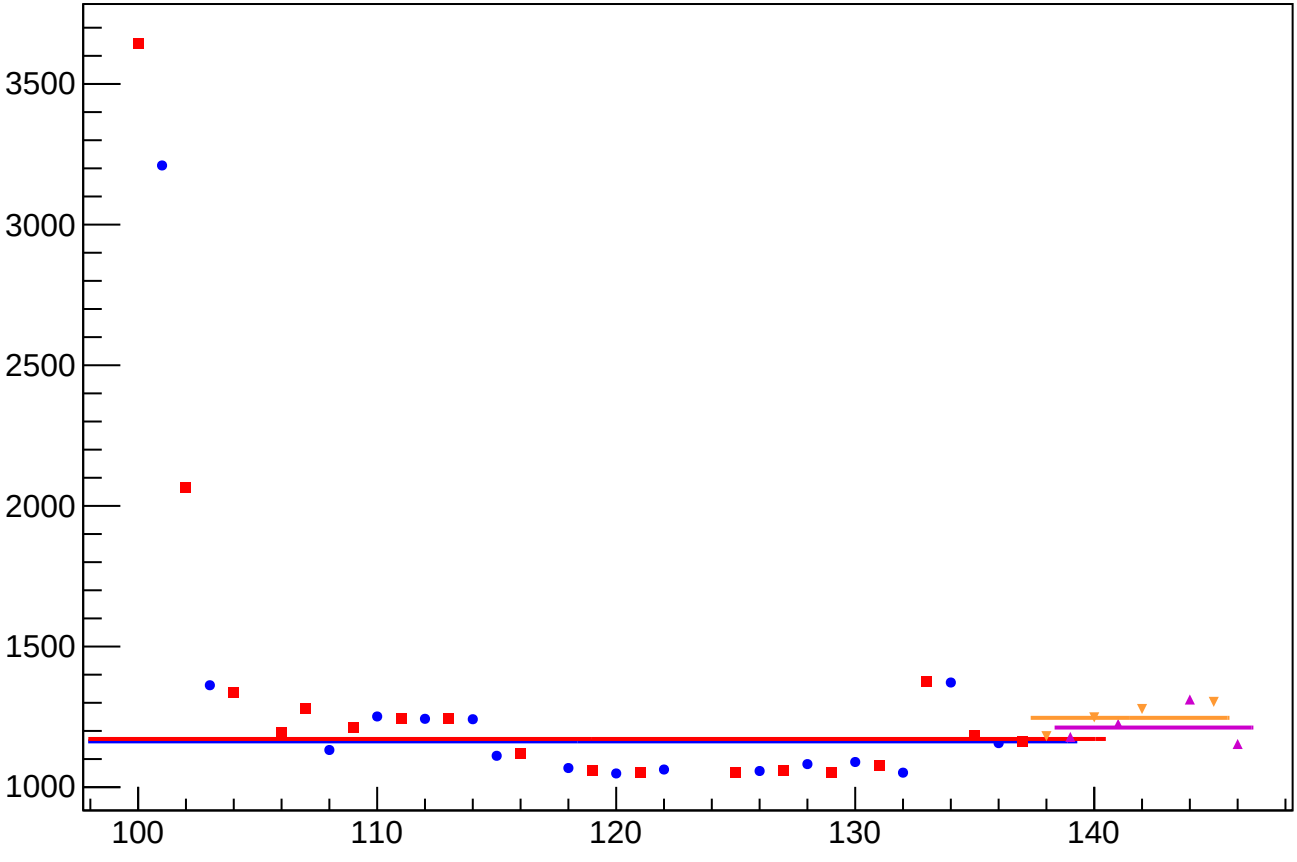
Left In: 1583.485+/-645.727 χ^2/NDF:0.6/3

+ sign -332.514+/-379.324 χ^2/NDF: 23.1/19

All: 119.487+/-264.000 χ^2/NDF: 52.0/41

- sign 544.103+/-367.654 χ^2/NDF: 26.1/21

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: 1246.550+/-0.520 χ^2/NDF:8361.1/3

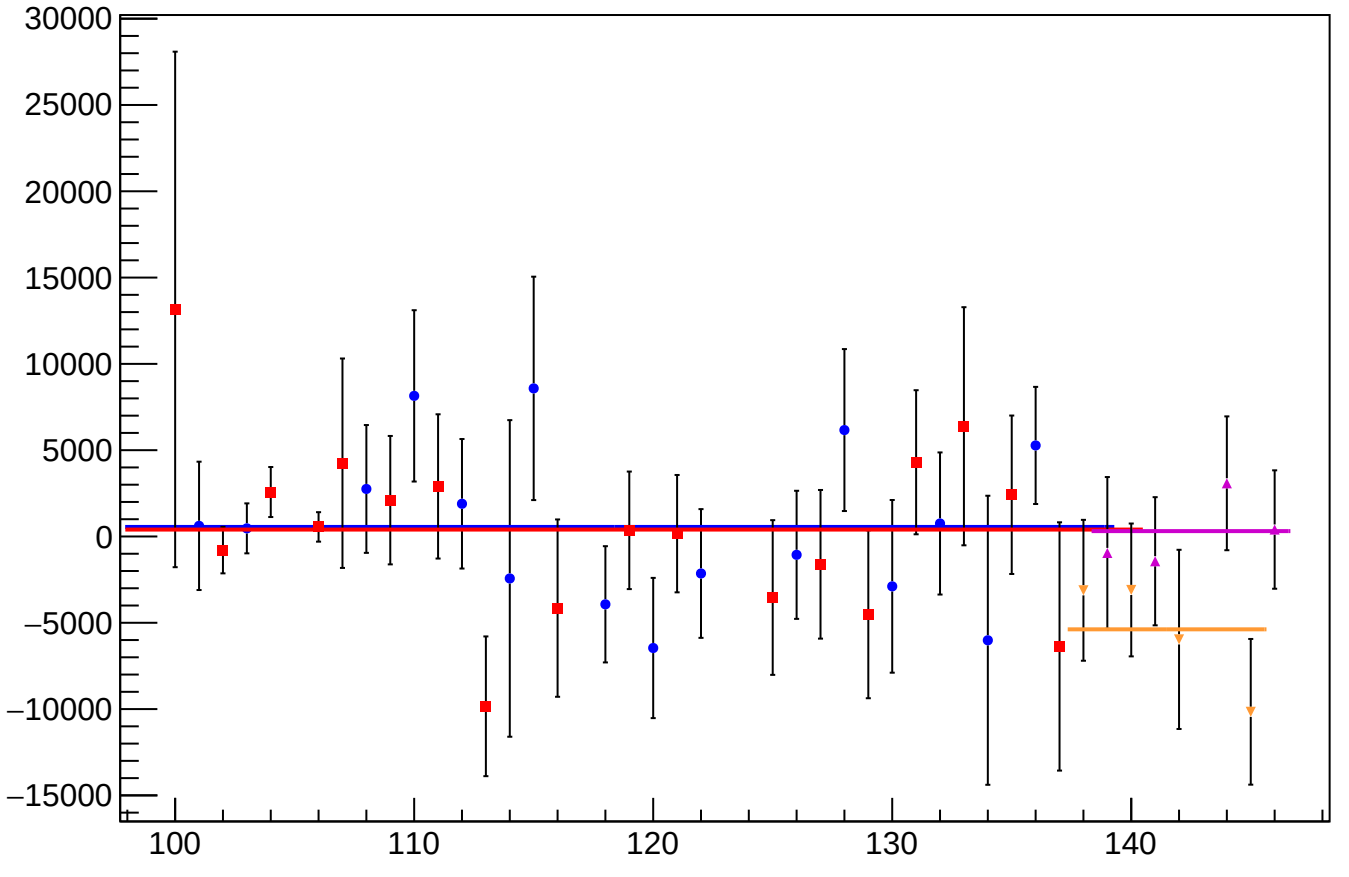
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1212.001+/-0.457 χ^2/NDF:16575.0/3

+ sign 1185.096+/-0.268 χ^2/NDF: 662716.1/19

All: 1184.823+/-0.187 χ^2/NDF: 1016273.5/41

- sign 1184.567+/-0.260 χ^2/NDF: 353555.4/21



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -5380.037+/-2128.147 χ^2/NDF:2.0/3

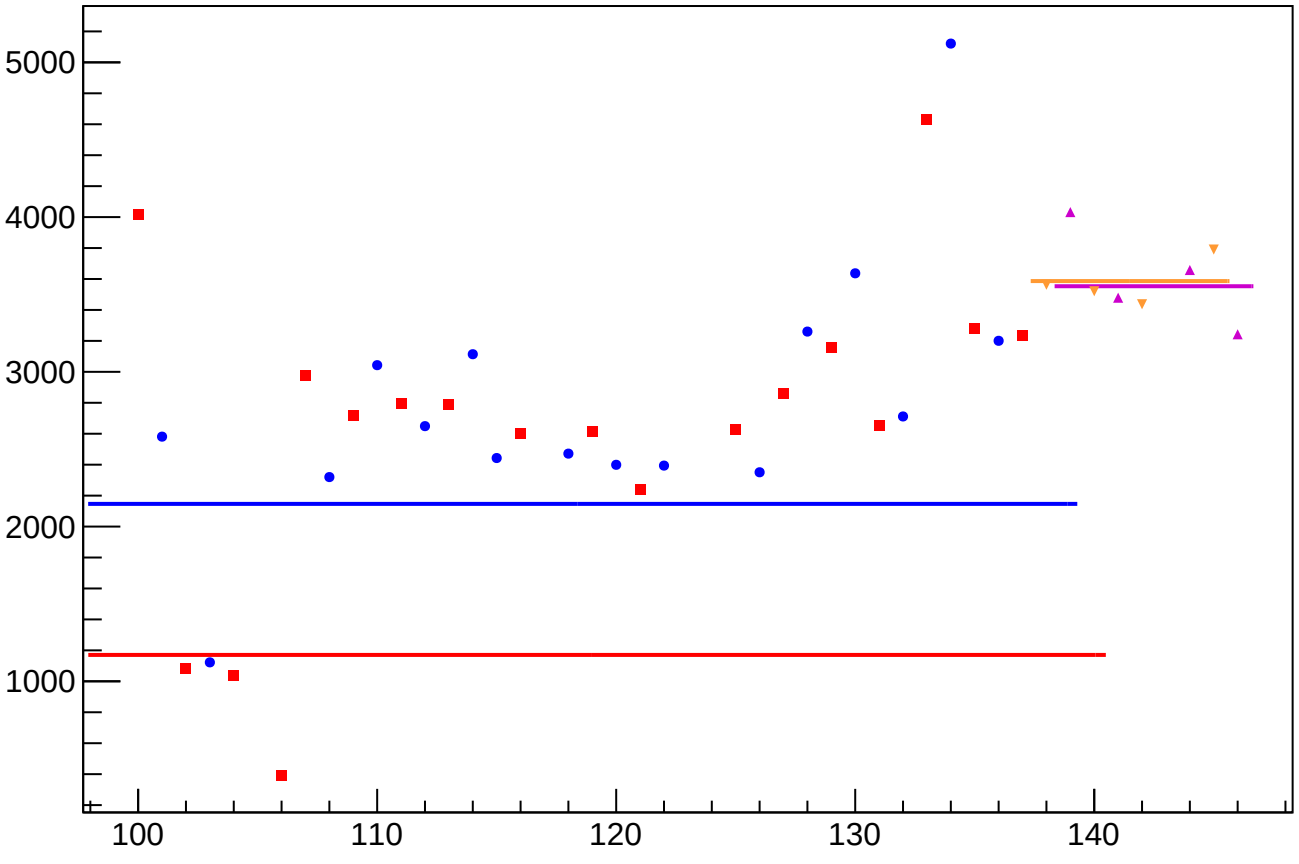
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 310.894+/-1904.251 χ^2/NDF:0.8/3

\+ sign -303.894+/-808.575 χ^2/NDF: 23.0/19

All: 176.831+/-450.453 χ^2/NDF: 41.0/41

\- sign 393.168+/-542.422 χ^2/NDF: 17.5/21



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3586.553+/-1.505 χ^2/NDF:6979.5/3

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

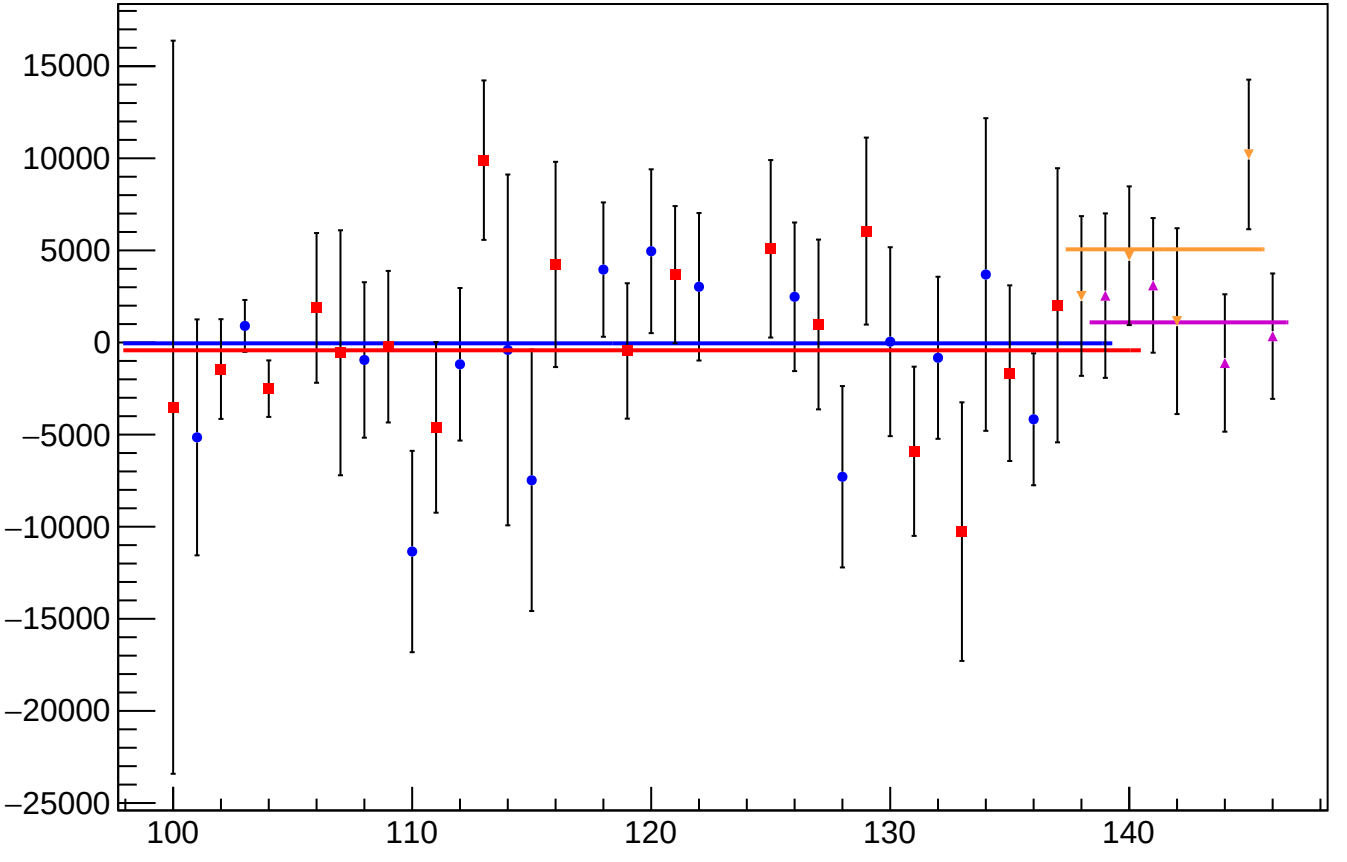
Left In: 3553.221+/-1.347 χ^2/NDF:42388.3/3

+ sign 2354.478+/-0.572 χ^2/NDF: 2765142.4/19

All: 1671.315+/-0.319 χ^2/NDF: 13572471.5/4

- sign 1363.876+/-0.384 χ^2/NDF: 8737125.6/21

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 5058.160+/-2114.372 χ^2/NDF:2.6/3

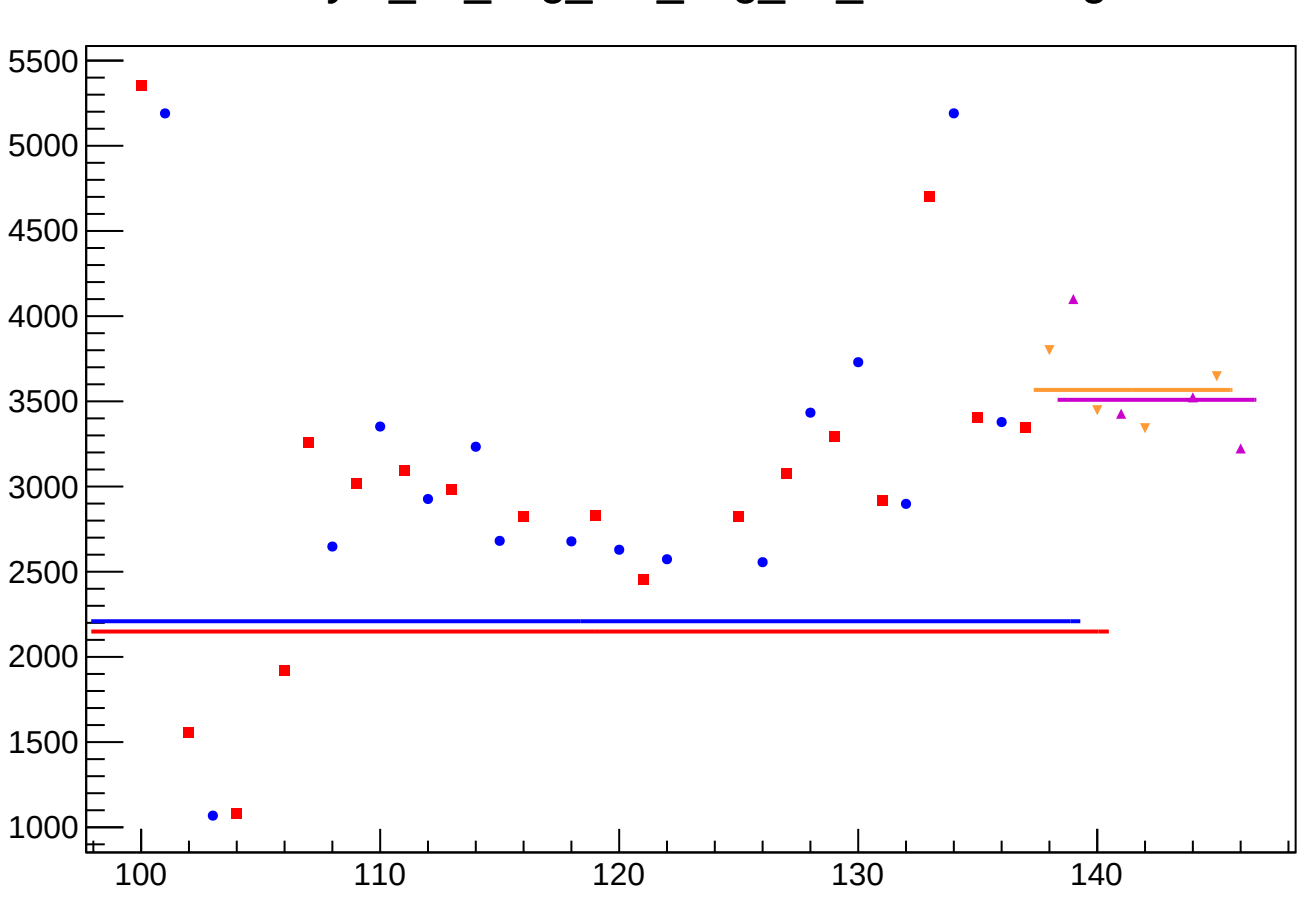
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 1093.637+/-1879.023 χ^2/NDF:0.8/3

+ sign 768.563+/-844.169 χ^2/NDF: 21.2/19

All: 294.063+/-584.199 χ^2/NDF: 40.5/41

- sign -142.046+/-809.299 χ^2/NDF: 18.7/21



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3567.178+/-1.495 χ^2/NDF:12545.6/3

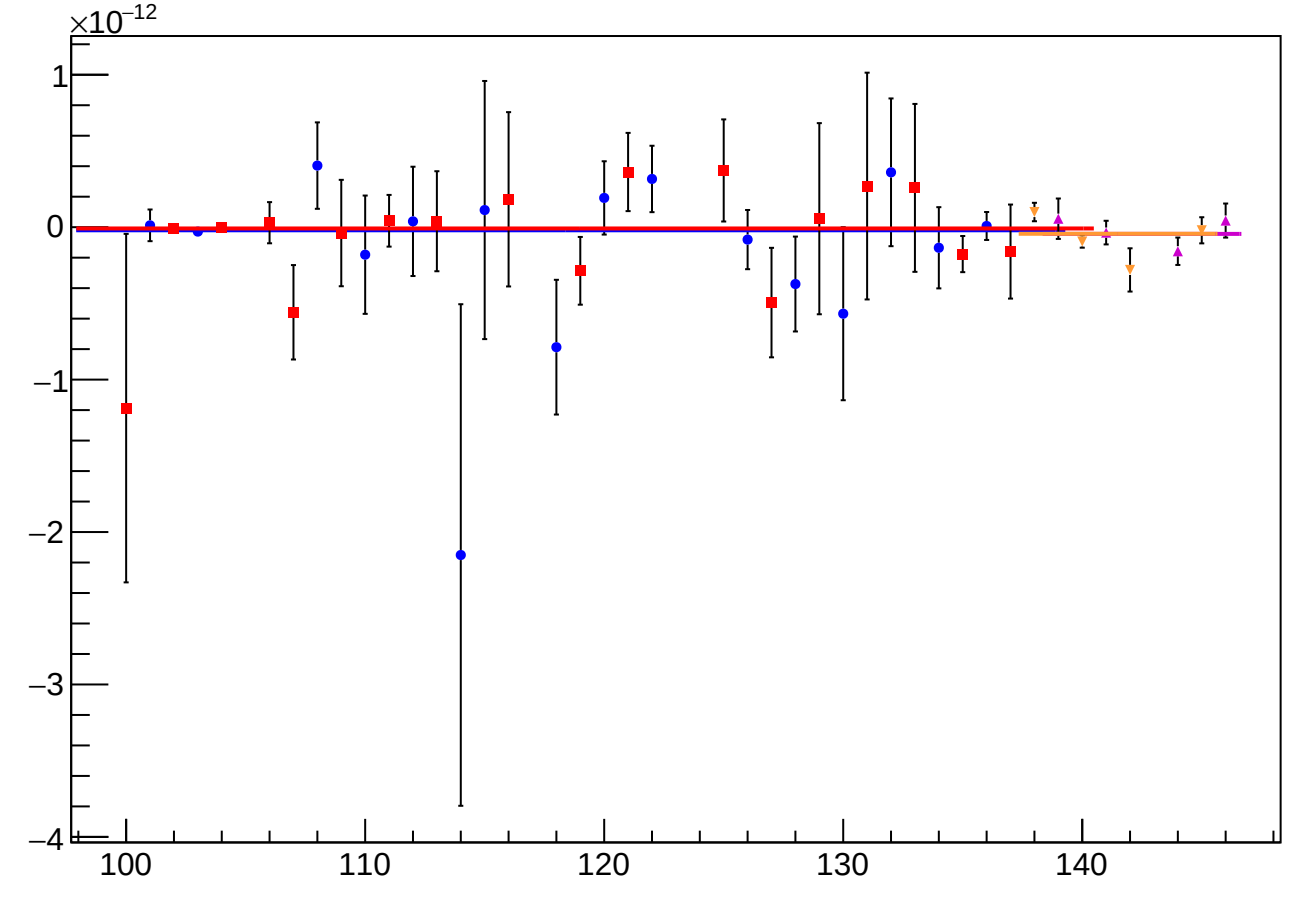
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3508.983+/-1.329 χ^2/NDF:50197.1/3

+ sign 2425.790+/-0.597 χ^2/NDF: 3542760.3/19

All: 2412.460+/-0.413 χ^2/NDF: 6717734.2/41

- sign 2400.257+/-0.571 χ^2/NDF: 3174018.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/3

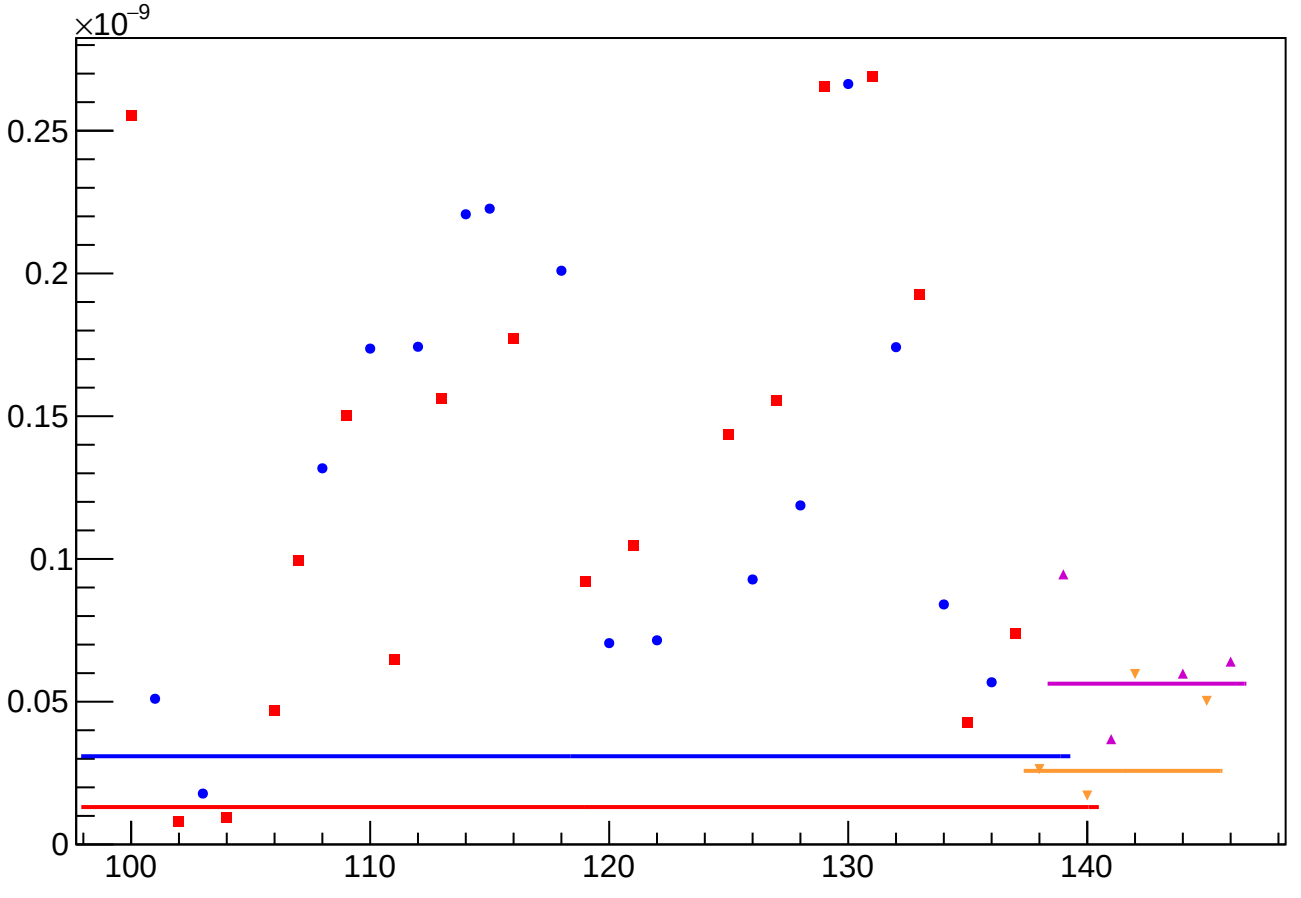
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/19

All: -0.000+/-0.000 χ^2/NDF: 41.8/41

- sign -0.000+/-0.000 χ^2/NDF: 17.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:367830.1/3

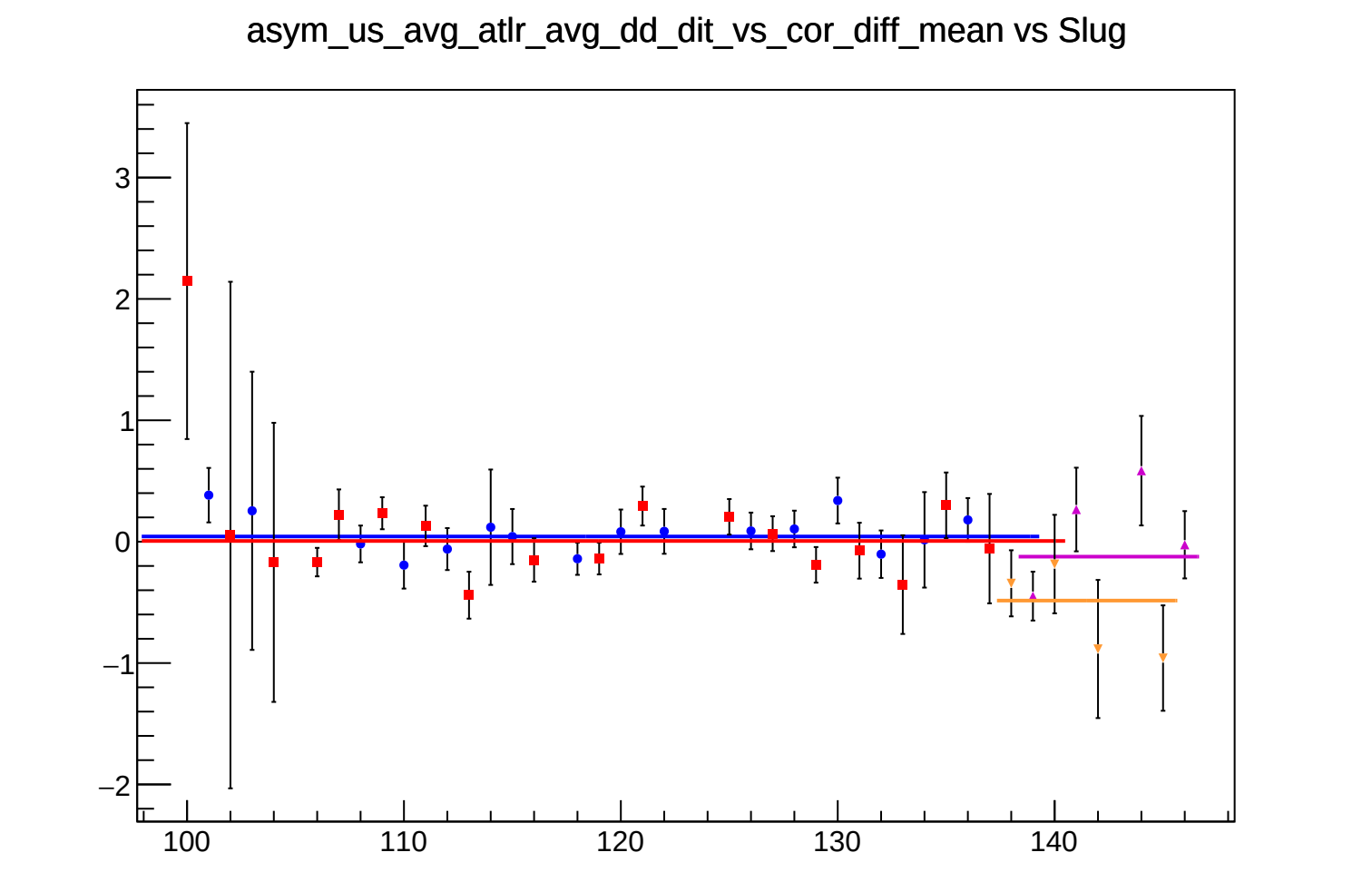
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:305350.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 3399313.6/19

All: 0.000+/-0.000 χ^2/NDF: 9310559.7/41

- sign 0.000+/-0.000 χ^2/NDF: 5422950.0/21



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.485+/-0.189 χ^2/NDF:2.5/3

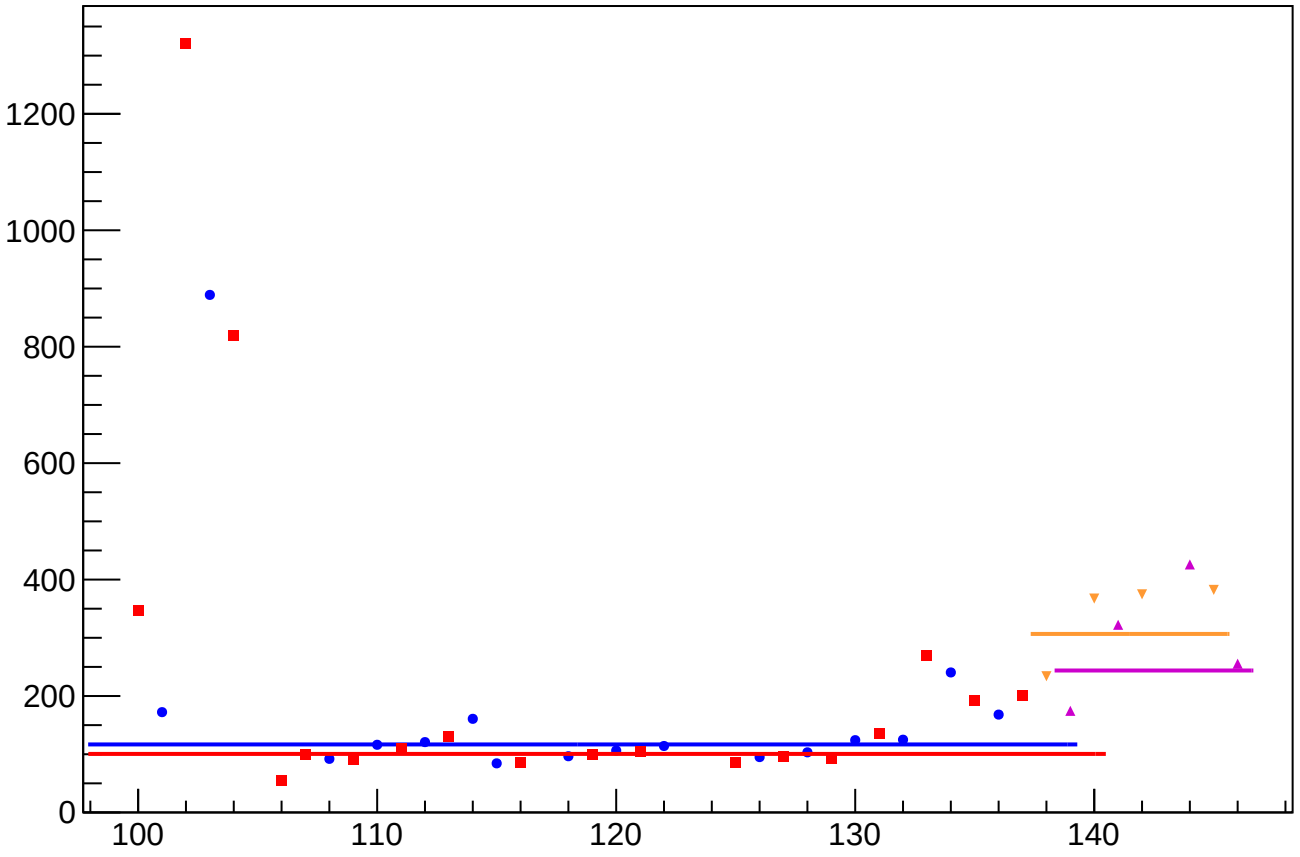
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.123+/-0.140 χ^2/NDF:6.5/3

+ sign 0.011+/-0.046 χ^2/NDF: 20.1/19

All: 0.002+/-0.031 χ^2/NDF: 53.5/41

- sign -0.005+/-0.041 χ^2/NDF: 33.3/21



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 306.646+/-0.134 χ^2/NDF:276455.8/3

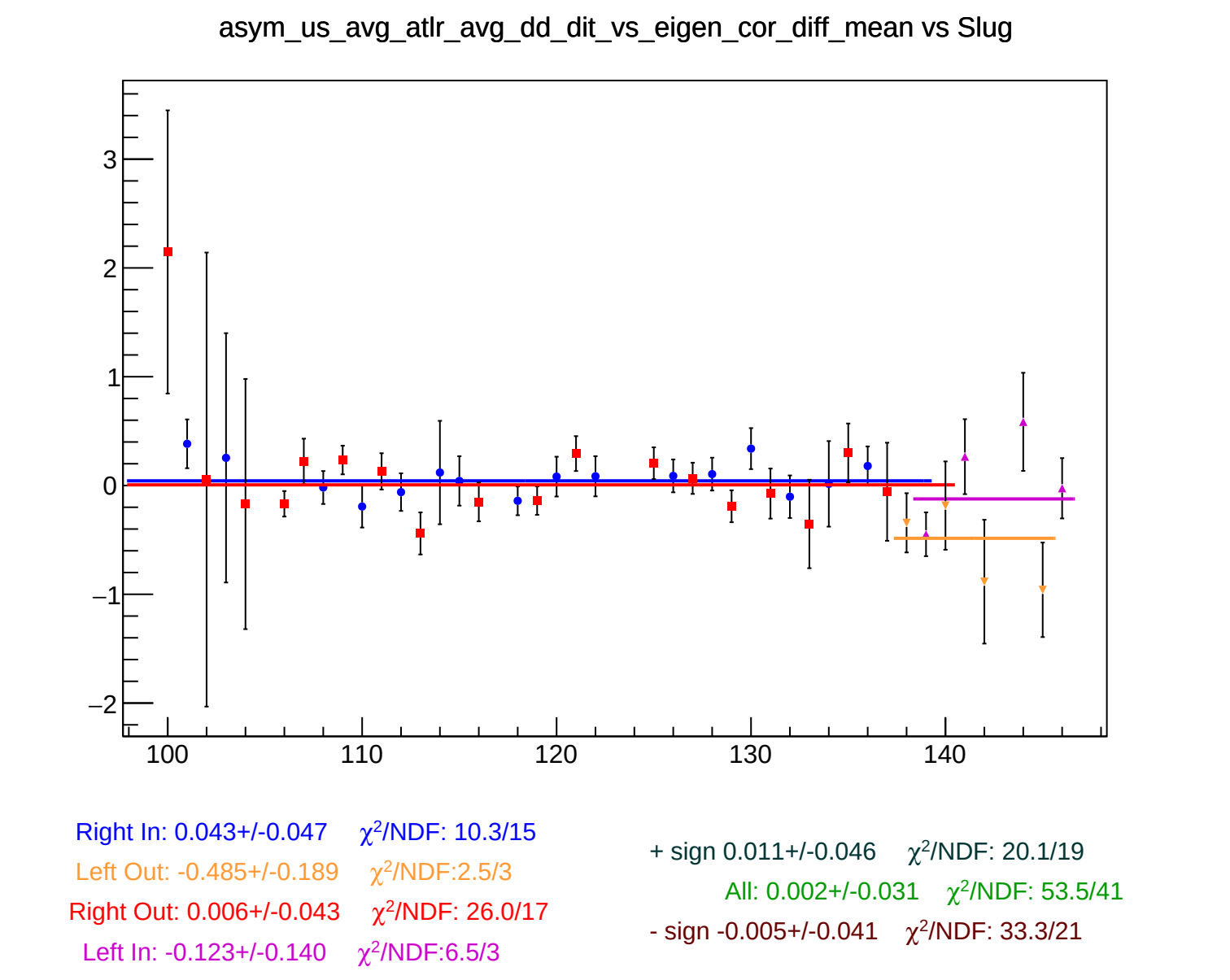
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

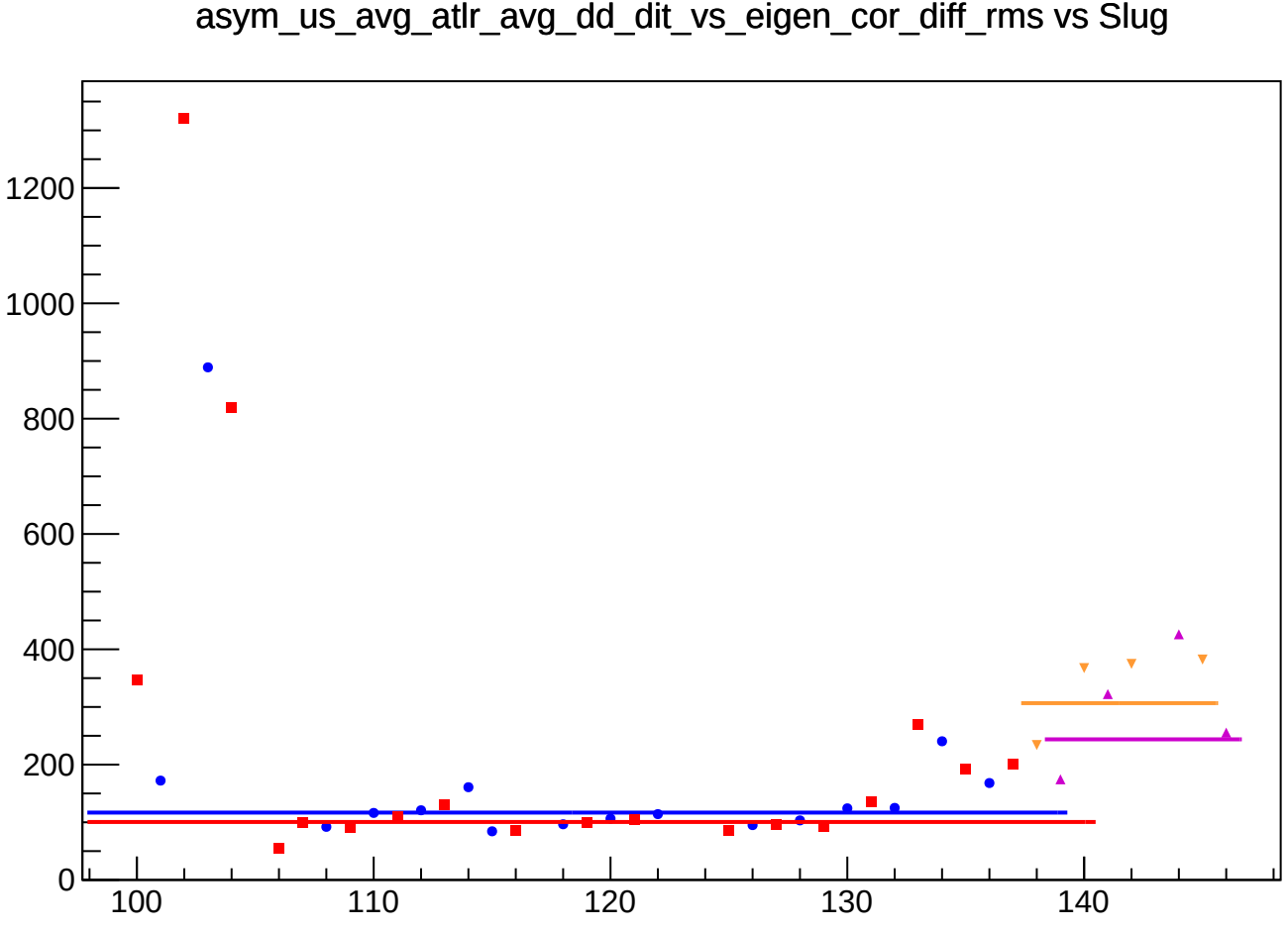
Left In: 243.832+/-0.099 χ^2/NDF:670555.6/3

+ sign 128.083+/-0.033 χ^2/NDF: 3791412.6/19

All: 119.804+/-0.022 χ^2/NDF: 9154883.5/41

- sign 113.098+/-0.029 χ^2/NDF: 5246407.7/21


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.485+/-0.189 χ²/NDF:2.5/3
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.123+/-0.140 χ²/NDF:6.5/3
+ sign 0.011+/-0.046 χ²/NDF: 20.1/19
All: 0.002+/-0.031 χ²/NDF: 53.5/41
- sign -0.005+/-0.041 χ²/NDF: 33.3/21



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 306.646+/-0.134 χ^2/NDF:276455.8/3

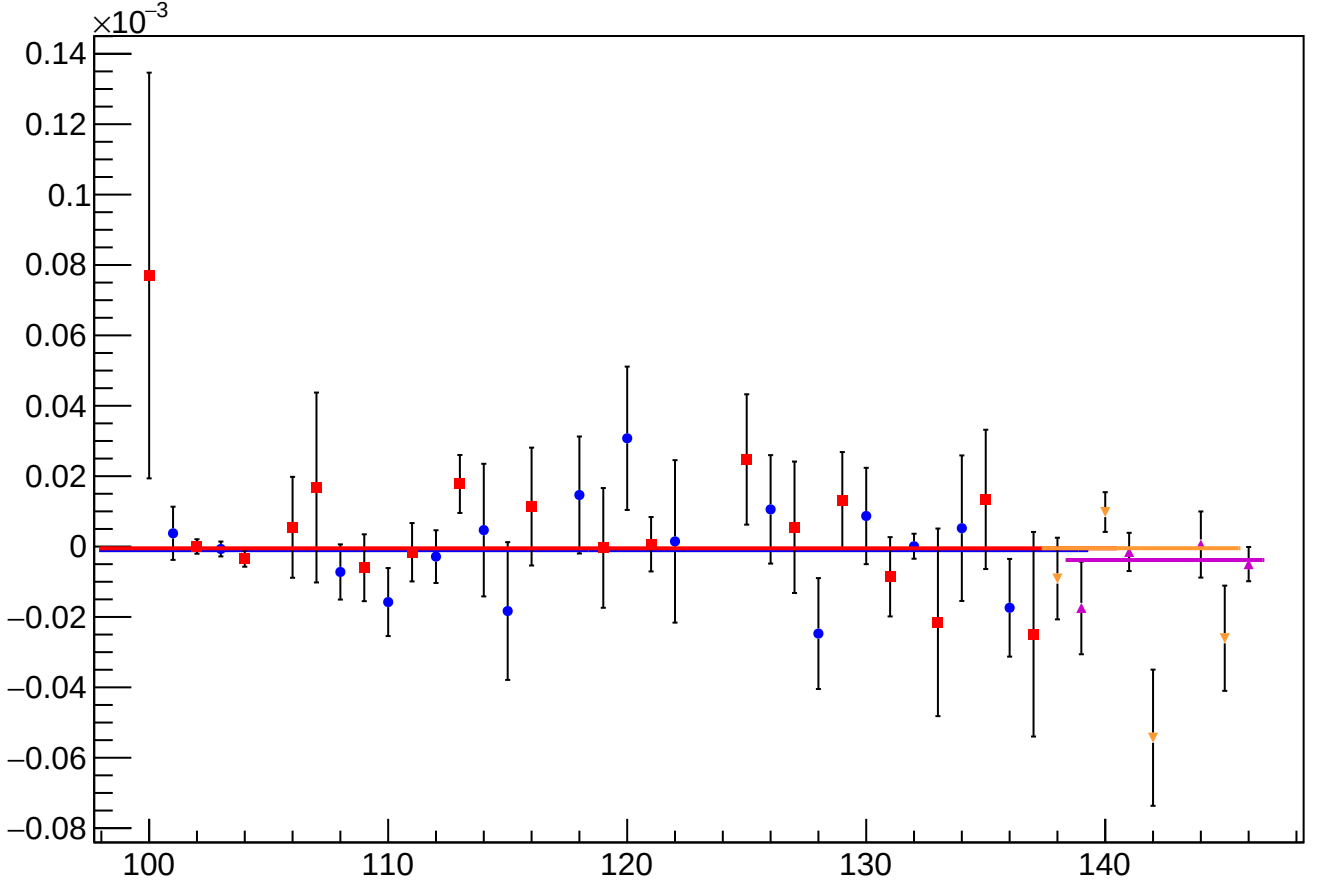
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.832+/-0.099 χ^2/NDF:670555.6/3

+ sign 128.083+/-0.033 χ^2/NDF: 3791412.6/19

All: 119.804+/-0.022 χ^2/NDF: 9154883.5/41

- sign 113.098+/-0.029 χ^2/NDF: 5246407.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/3

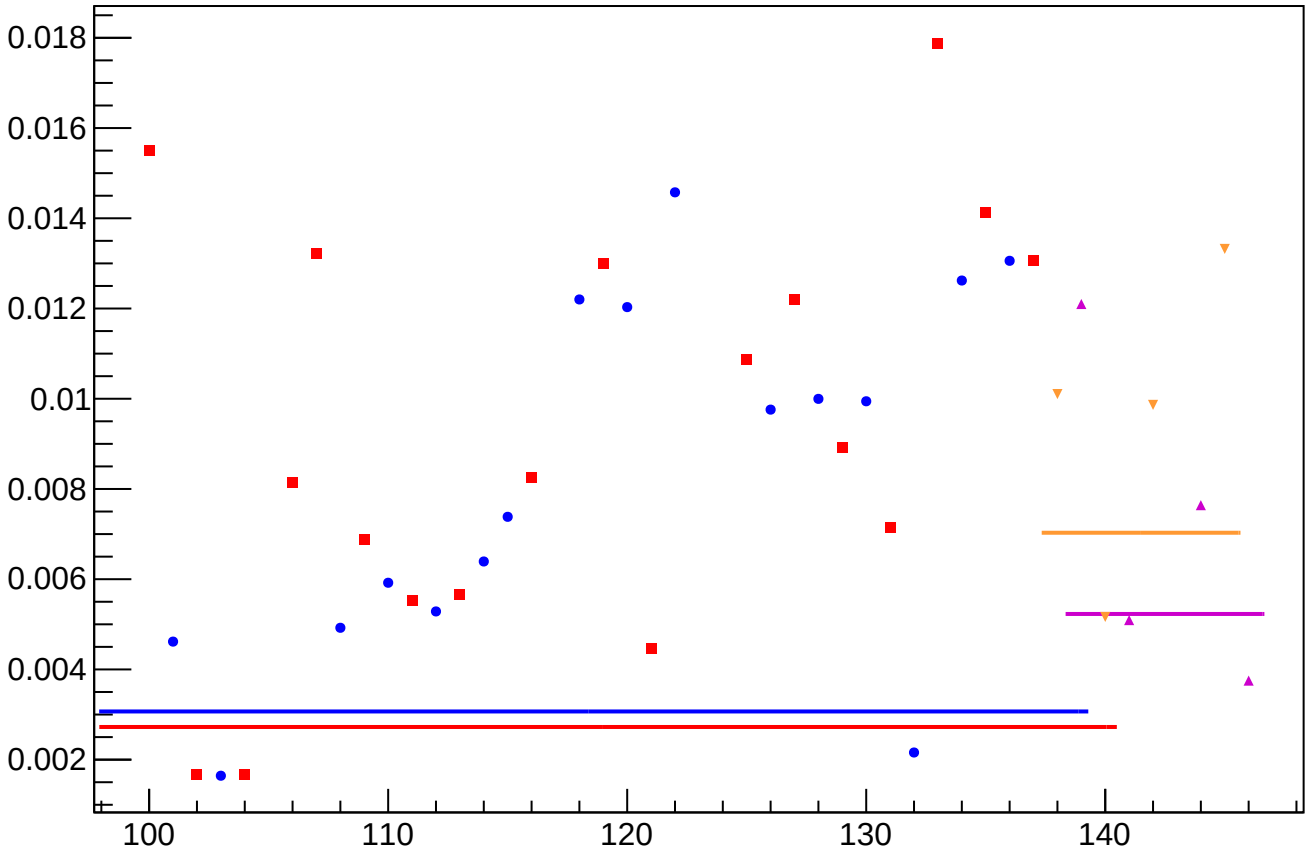
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/19

All: -0.000+/-0.000 χ^2/NDF: 44.6/41

- sign -0.000+/-0.000 χ^2/NDF: 17.5/21



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:756265.7/3

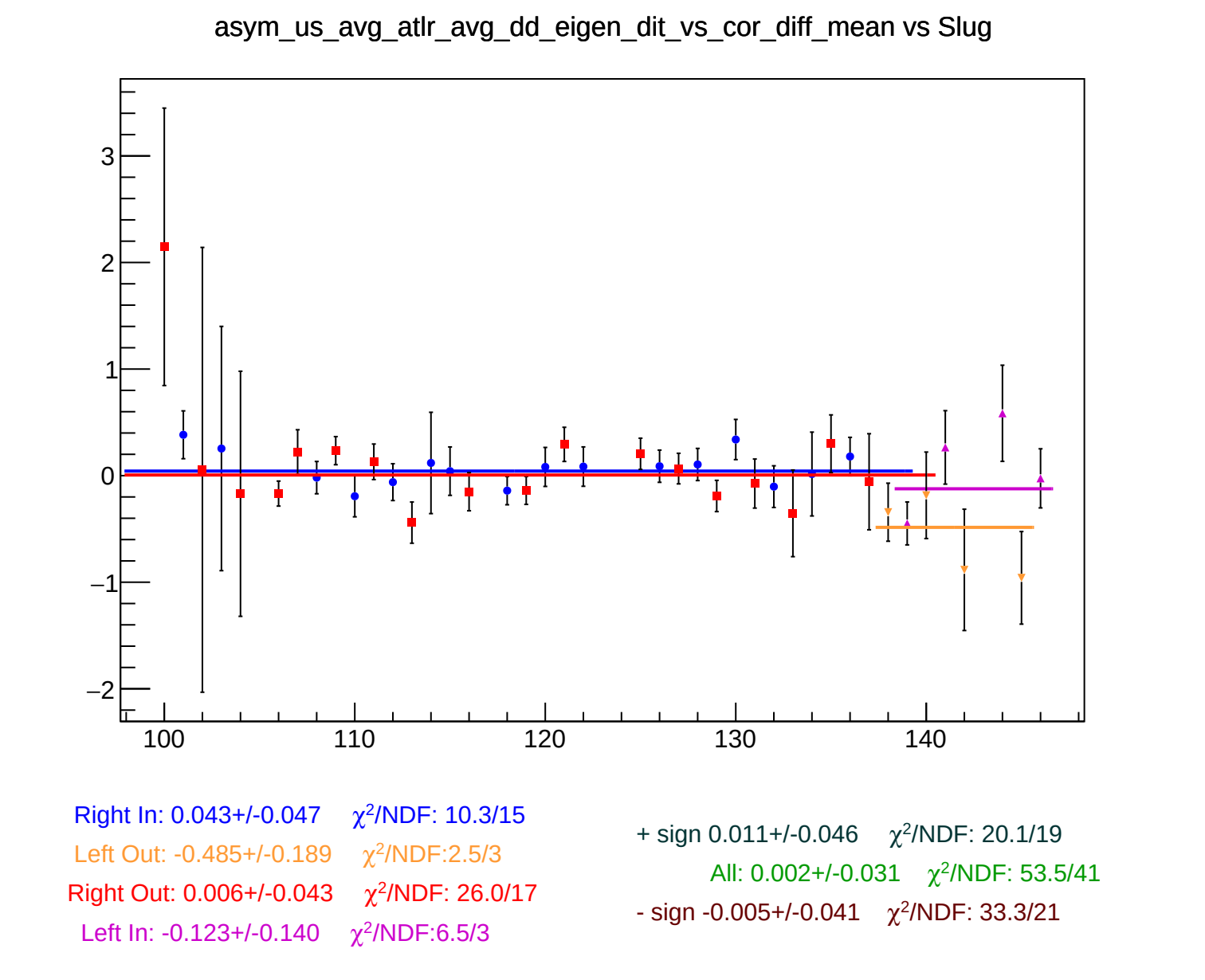
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

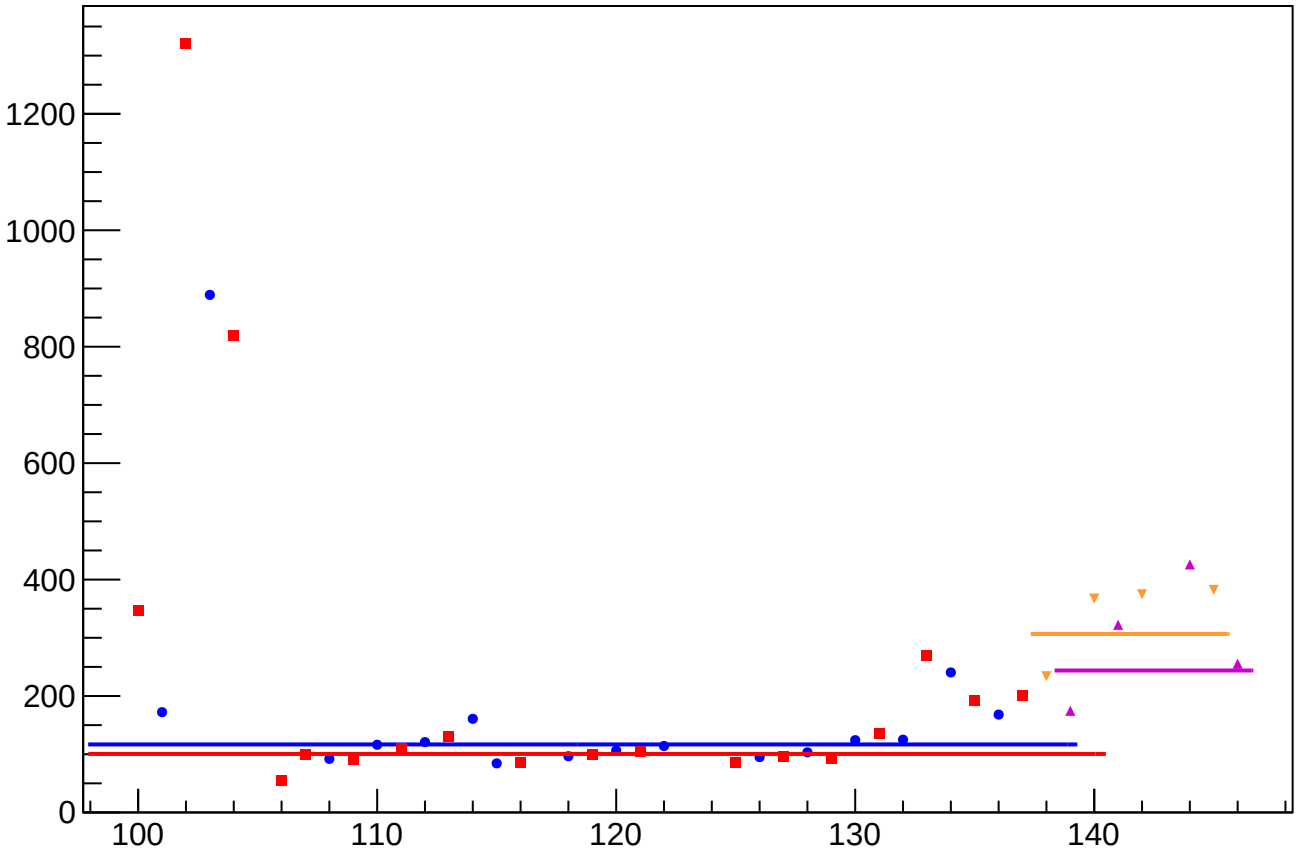
Left In: 0.005+/-0.000 χ^2/NDF:861775.4/3

+ sign 0.003+/-0.000 χ^2/NDF: 8014501.2/19

All: 0.003+/-0.000 χ^2/NDF: 16649058.7/41

- sign 0.003+/-0.000 χ^2/NDF: 8565265.3/21


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.485+/-0.189 χ²/NDF:2.5/3
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.123+/-0.140 χ²/NDF:6.5/3
+ sign 0.011+/-0.046 χ²/NDF: 20.1/19
All: 0.002+/-0.031 χ²/NDF: 53.5/41
- sign -0.005+/-0.041 χ²/NDF: 33.3/21



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 306.649+/-0.134 χ^2/NDF:276455.1/3

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

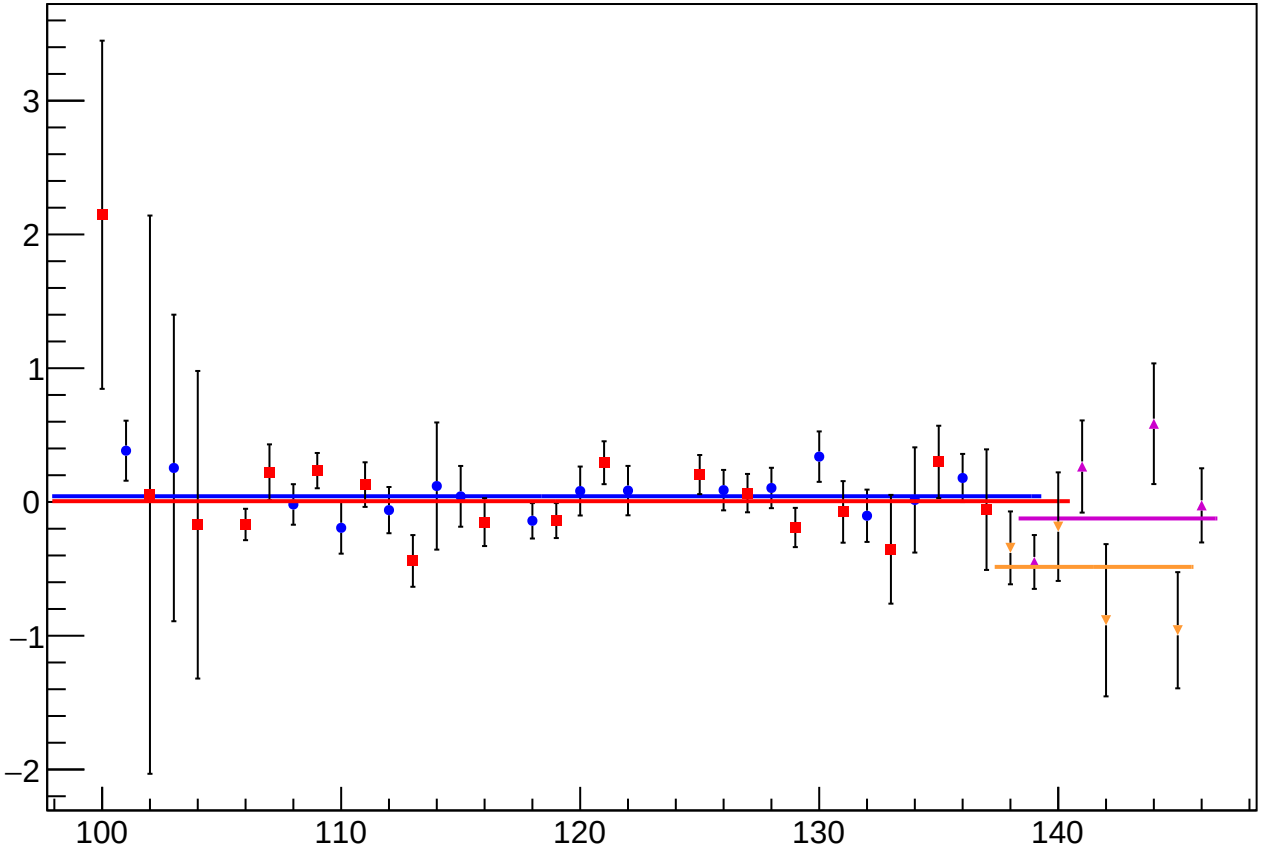
Left In: 243.836+/-0.099 χ^2/NDF:670527.7/3

+ sign 128.083+/-0.033 χ^2/NDF: 3791446.7/19

All: 119.804+/-0.022 χ^2/NDF: 9155074.1/41

- sign 113.097+/-0.029 χ^2/NDF: 5246550.0/21

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.485+/-0.189 χ^2/NDF:2.5/3

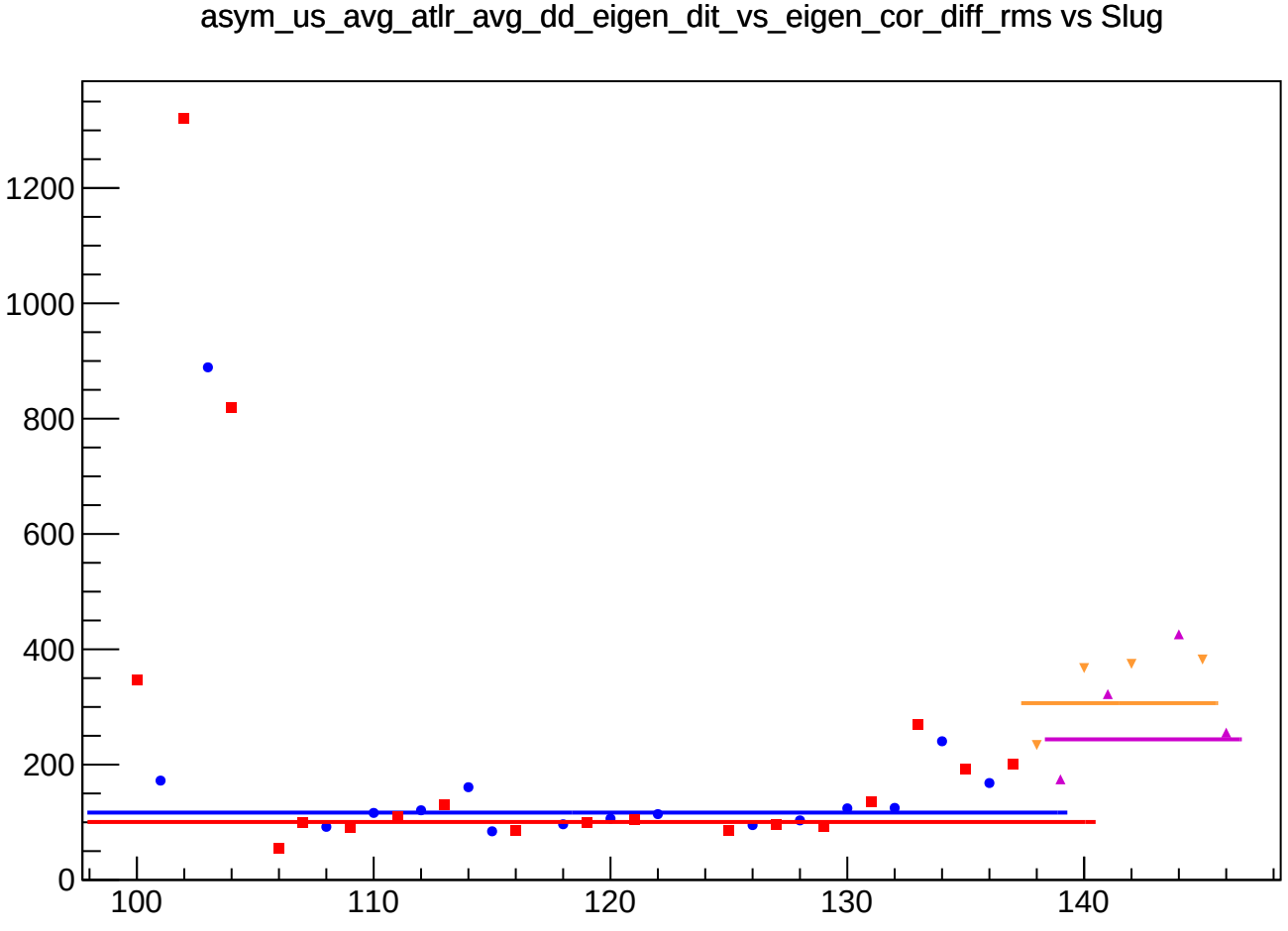
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.123+/-0.140 χ^2/NDF:6.5/3

+ sign 0.011+/-0.046 χ^2/NDF: 20.1/19

All: 0.002+/-0.031 χ^2/NDF: 53.5/41

- sign -0.005+/-0.041 χ^2/NDF: 33.3/21



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 306.649+/-0.134 χ^2/NDF:276455.1/3

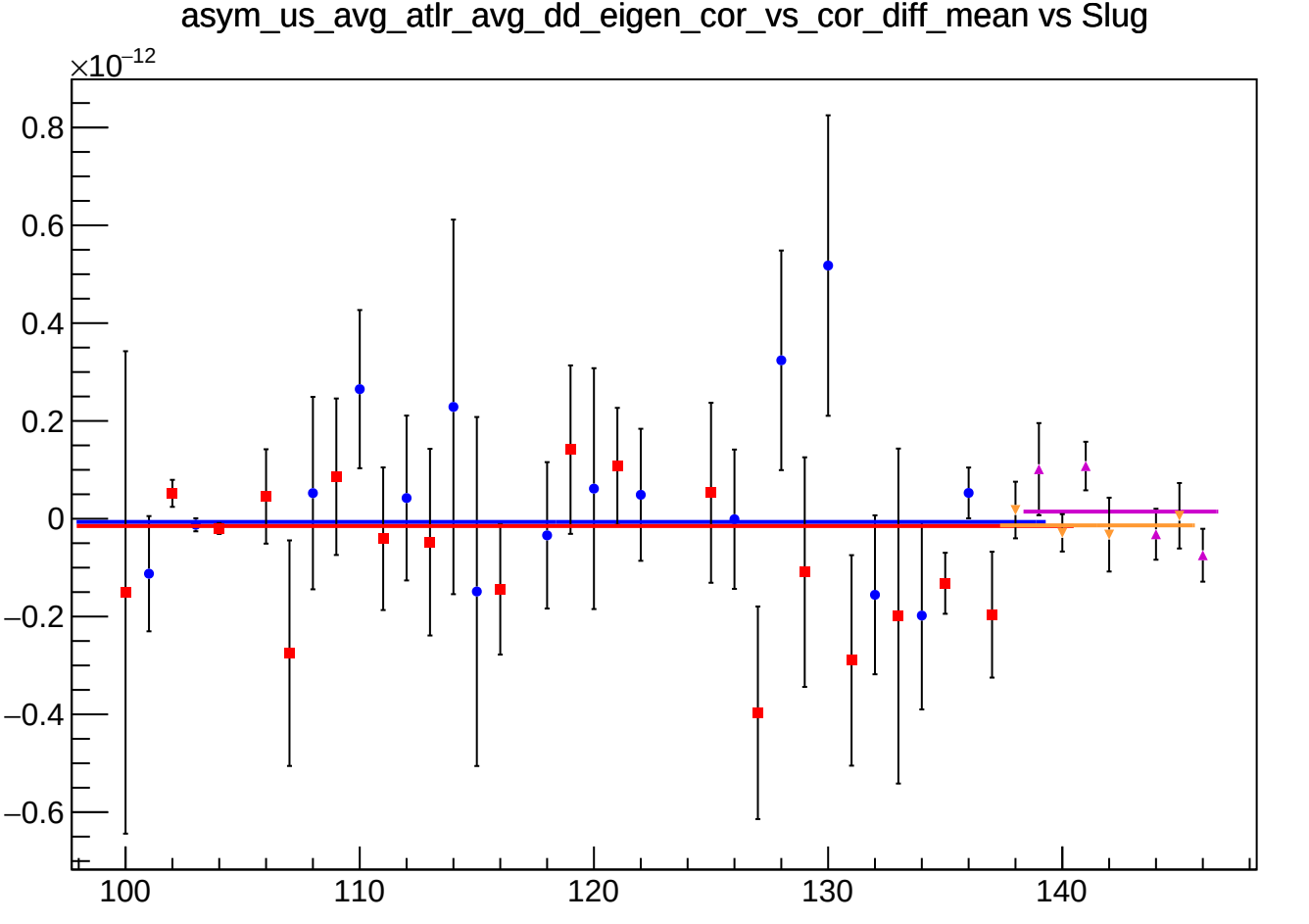
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

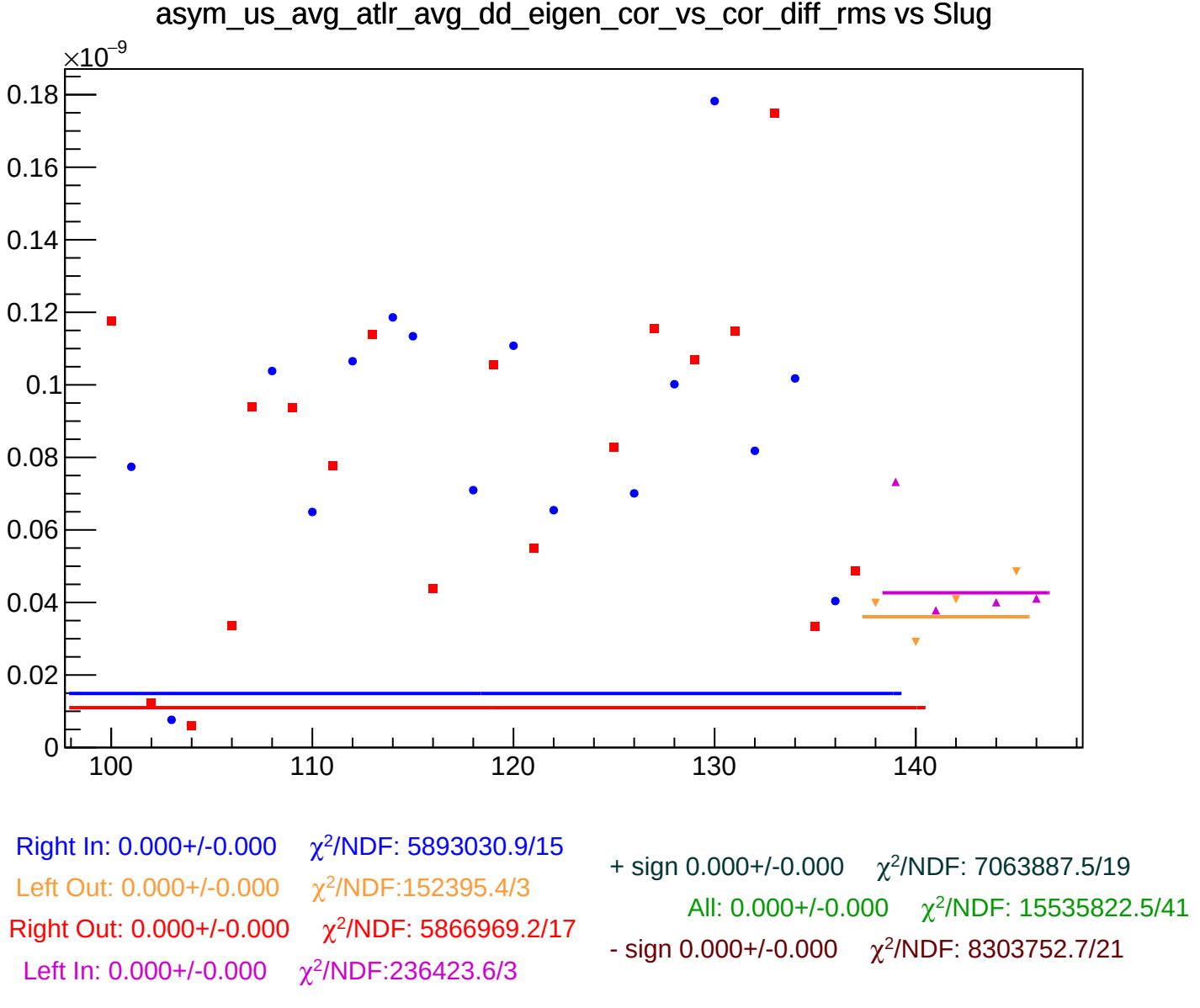
Left In: 243.836+/-0.099 χ^2/NDF:670527.7/3

+ sign 128.083+/-0.033 χ^2/NDF: 3791446.7/19

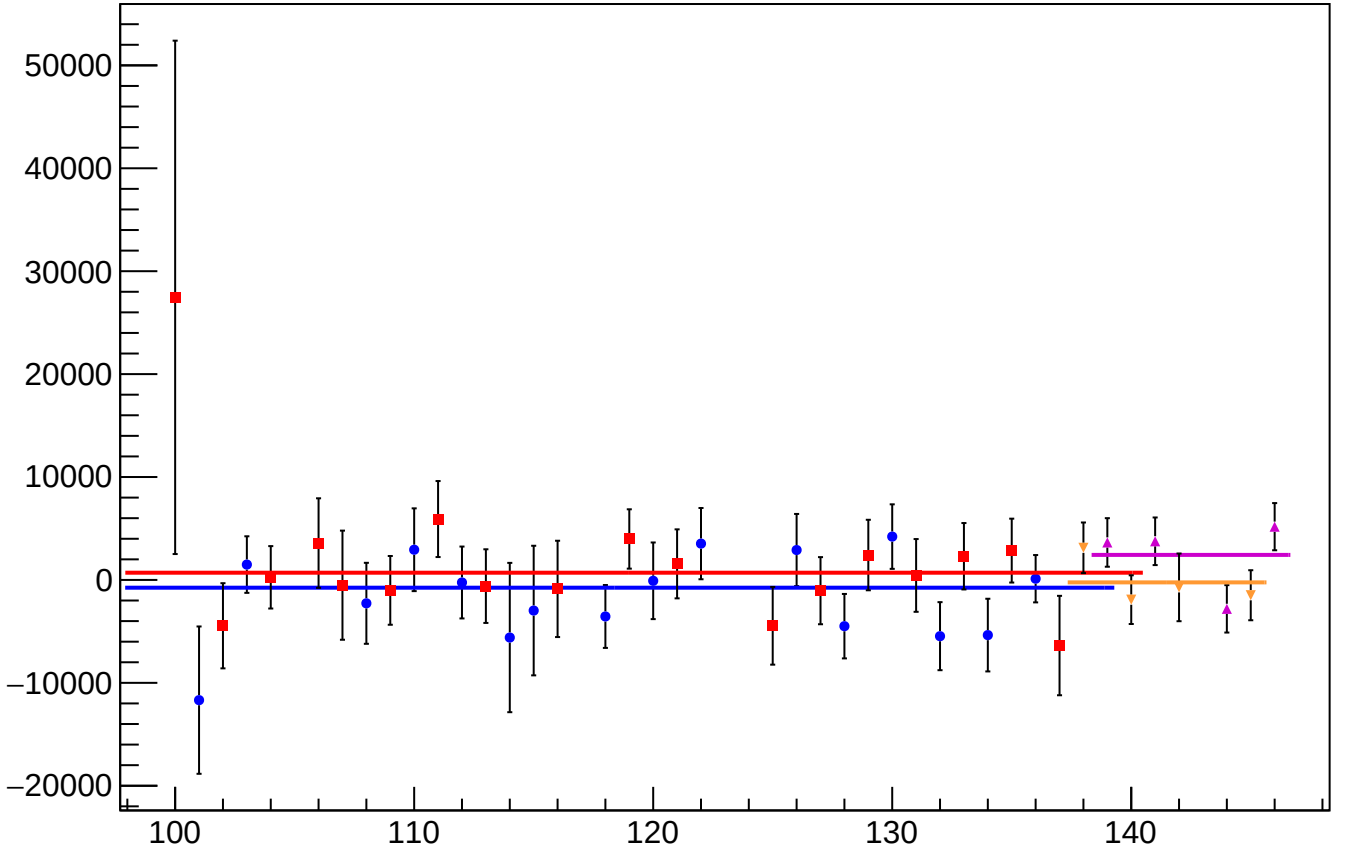
All: 119.804+/-0.022 χ^2/NDF: 9155074.1/41

- sign 113.097+/-0.029 χ^2/NDF: 5246550.0/21


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:0.6/3
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:7.9/3
+ sign -0.000+/-0.000 χ²/NDF: 13.7/19
All: -0.000+/-0.000 χ²/NDF: 44.5/41
- sign -0.000+/-0.000 χ²/NDF: 30.7/21


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:152395.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:236423.6/3
+ sign 0.000+/-0.000 χ²/NDF: 7063887.5/19
All: 0.000+/-0.000 χ²/NDF: 15535822.5/41
- sign 0.000+/-0.000 χ²/NDF: 8303752.7/21

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -238.507+/-1284.900 χ^2/NDF:2.7/3

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

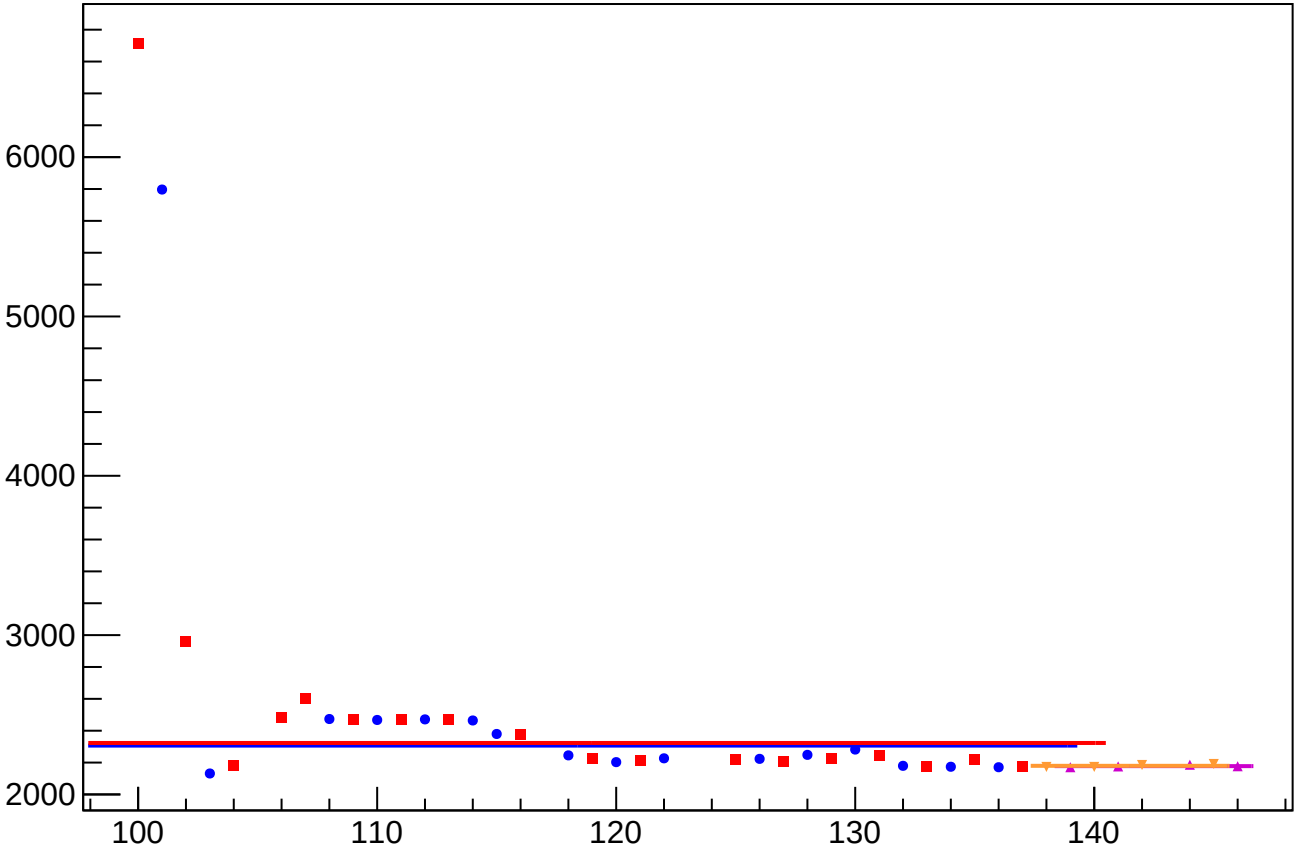
Left In: 2432.157+/-1158.364 χ^2/NDF:7.2/3

+ sign -591.480+/-721.901 χ^2/NDF: 18.6/19

All: 403.128+/-500.662 χ^2/NDF: 43.3/41

- sign 1324.867+/-694.954 χ^2/NDF: 21.0/21

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.625+/-0.909 χ^2/NDF:83.7/3

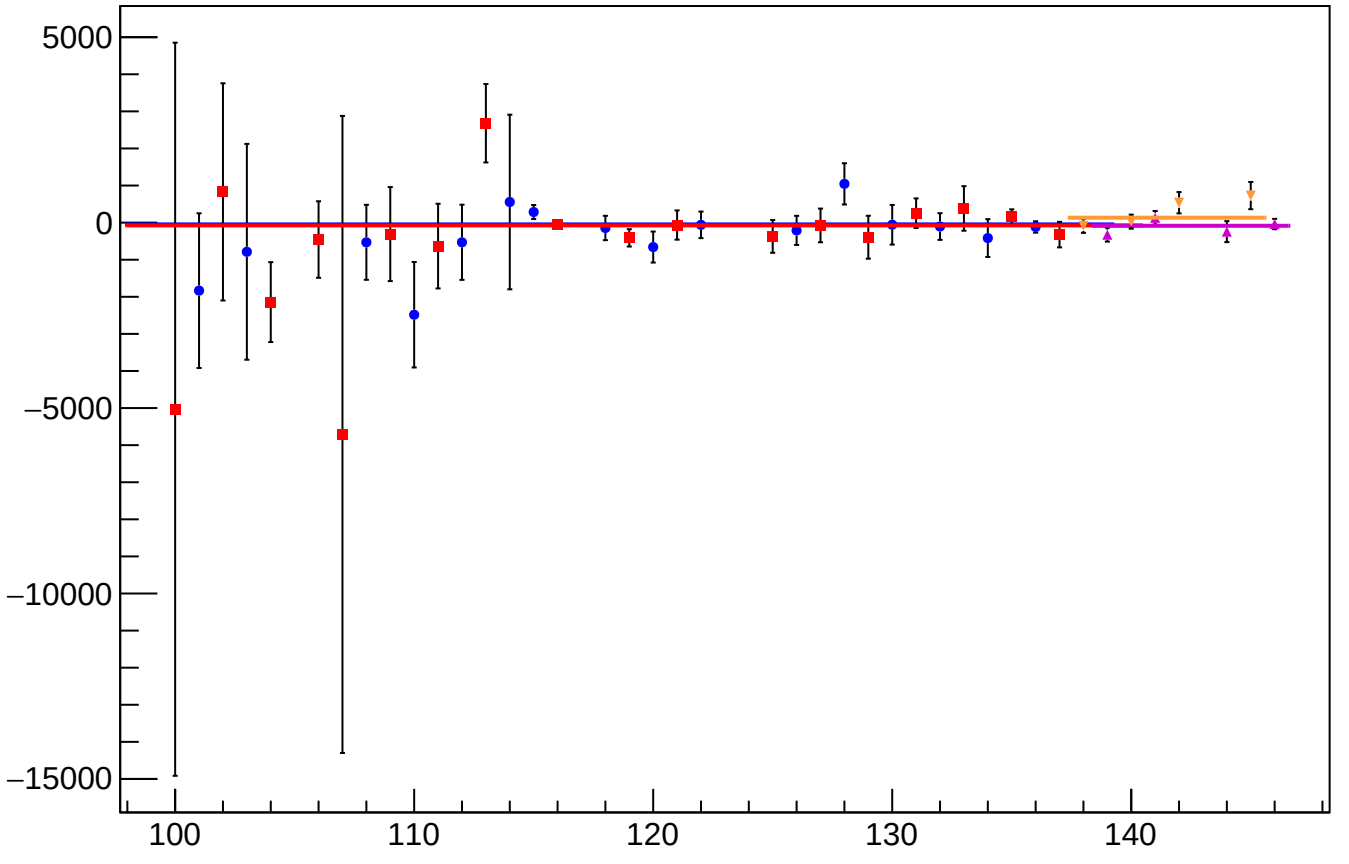
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

+ sign 2266.549+/-0.510 χ^2/NDF: 527609.0/19

All: 2268.710+/-0.354 χ^2/NDF: 699619.8/41

- sign 2270.712+/-0.491 χ^2/NDF: 171976.3/21



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: 133.249+/-114.693 χ^2/NDF:6.3/3

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

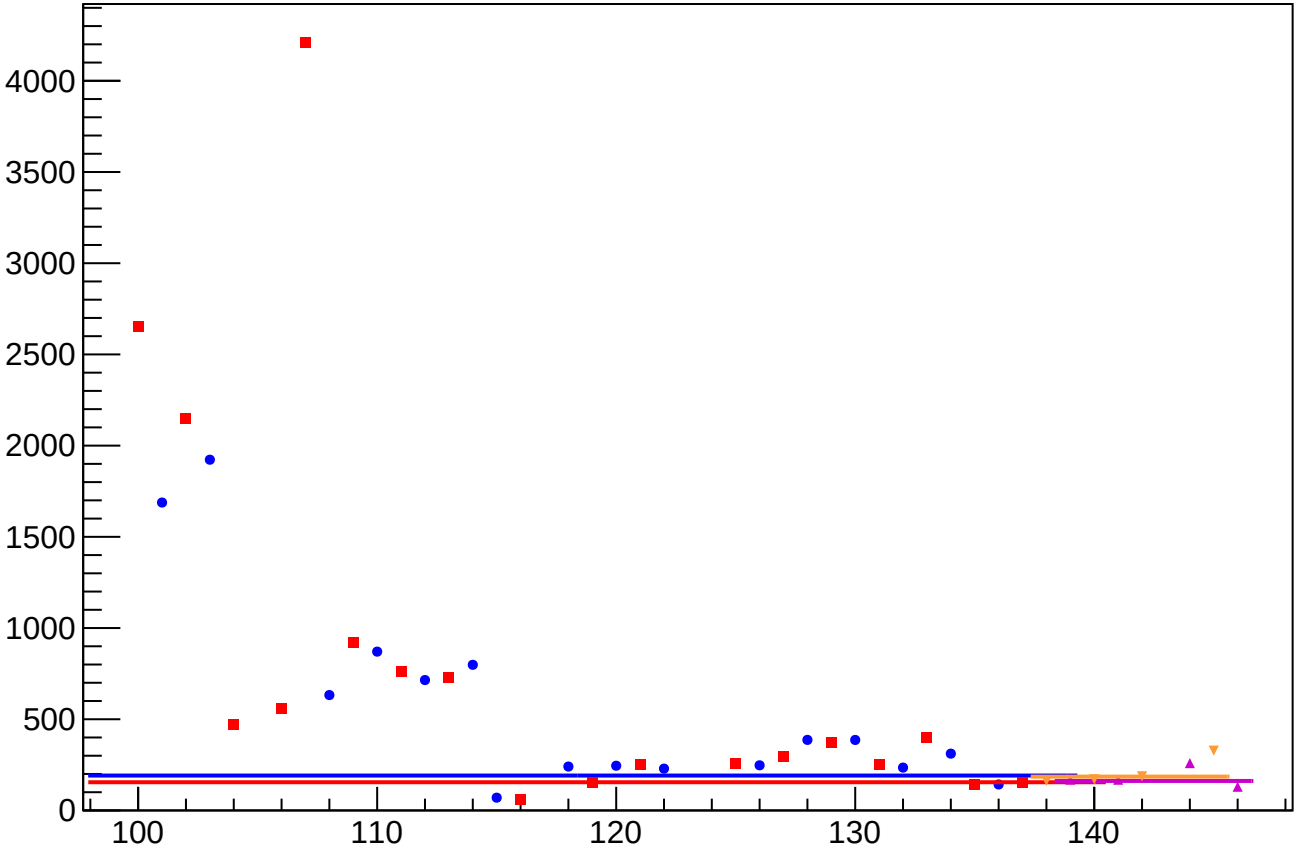
Left In: -85.018+/-90.353 χ^2/NDF:3.5/3

+ sign 21.985+/-71.246 χ^2/NDF: 22.2/19

All: -36.449+/-46.282 χ^2/NDF: 44.5/41

- sign -79.111+/-60.877 χ^2/NDF: 21.1/21

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: 185.514+/-0.081 χ^2/NDF:343647.0/3

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

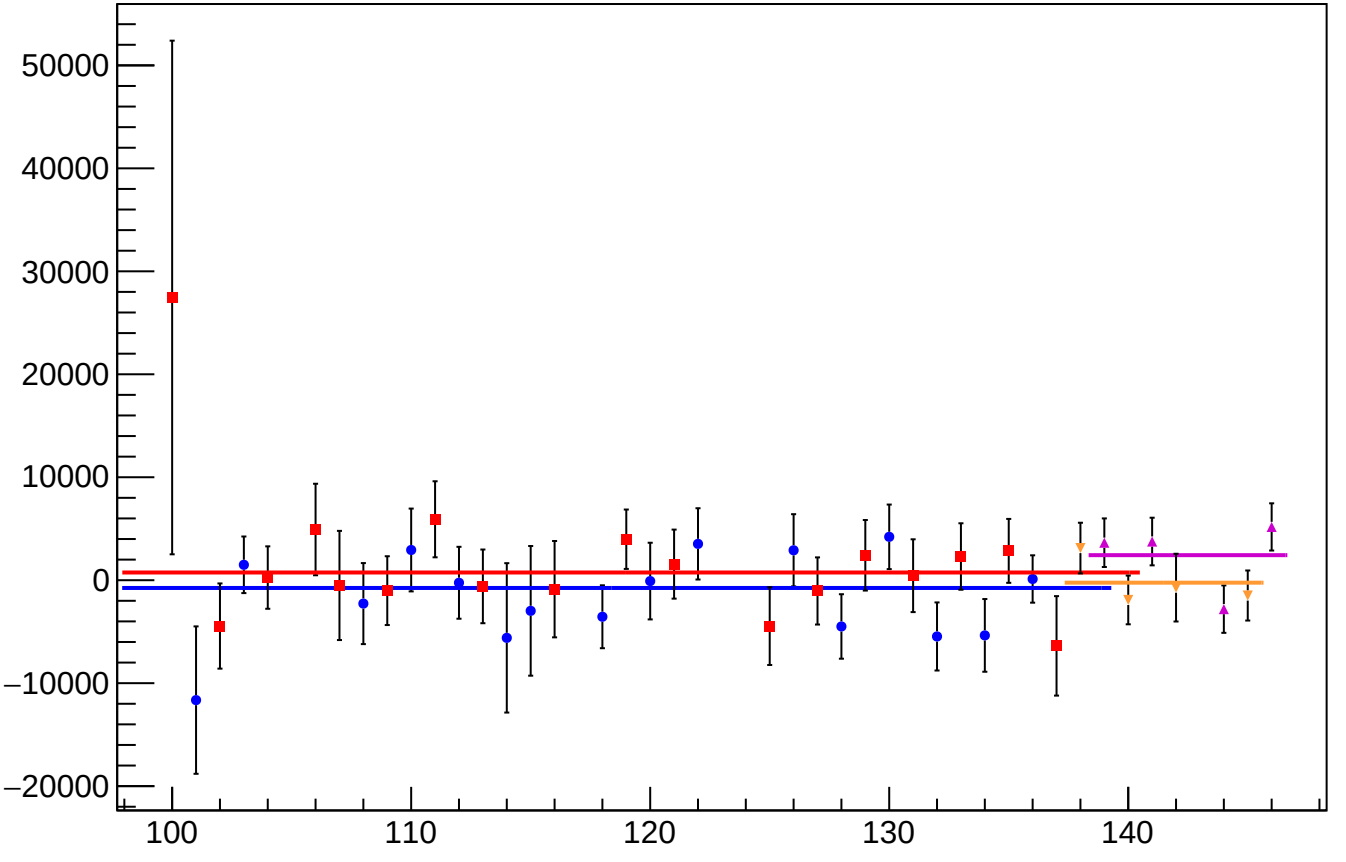
Left In: 161.791+/-0.064 χ^2/NDF:346822.9/3

+ sign 189.117+/-0.050 χ^2/NDF: 5411607.9/19

All: 171.077+/-0.033 χ^2/NDF: 12141328.1/41

- sign 157.906+/-0.043 χ^2/NDF: 6507880.1/21

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -238.484+/-1284.900 χ^2/NDF:2.7/3

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

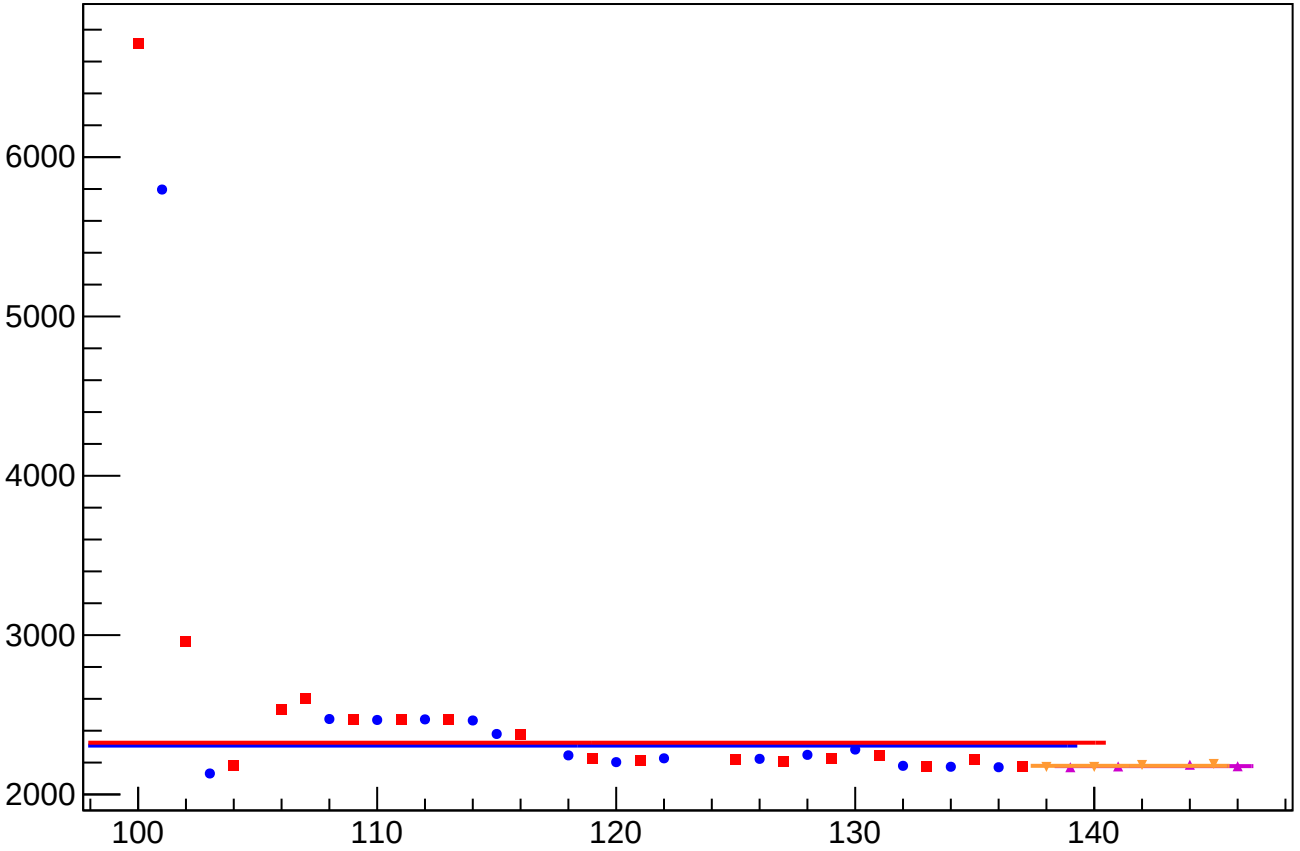
Left In: 2432.293+/-1158.364 χ^2/NDF:7.2/3

+ sign -590.809+/-721.901 χ^2/NDF: 18.6/19

All: 418.948+/-500.800 χ^2/NDF: 43.8/41

- sign 1355.717+/-695.322 χ^2/NDF: 21.4/21

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.625+/-0.909 χ^2/NDF:83.7/3

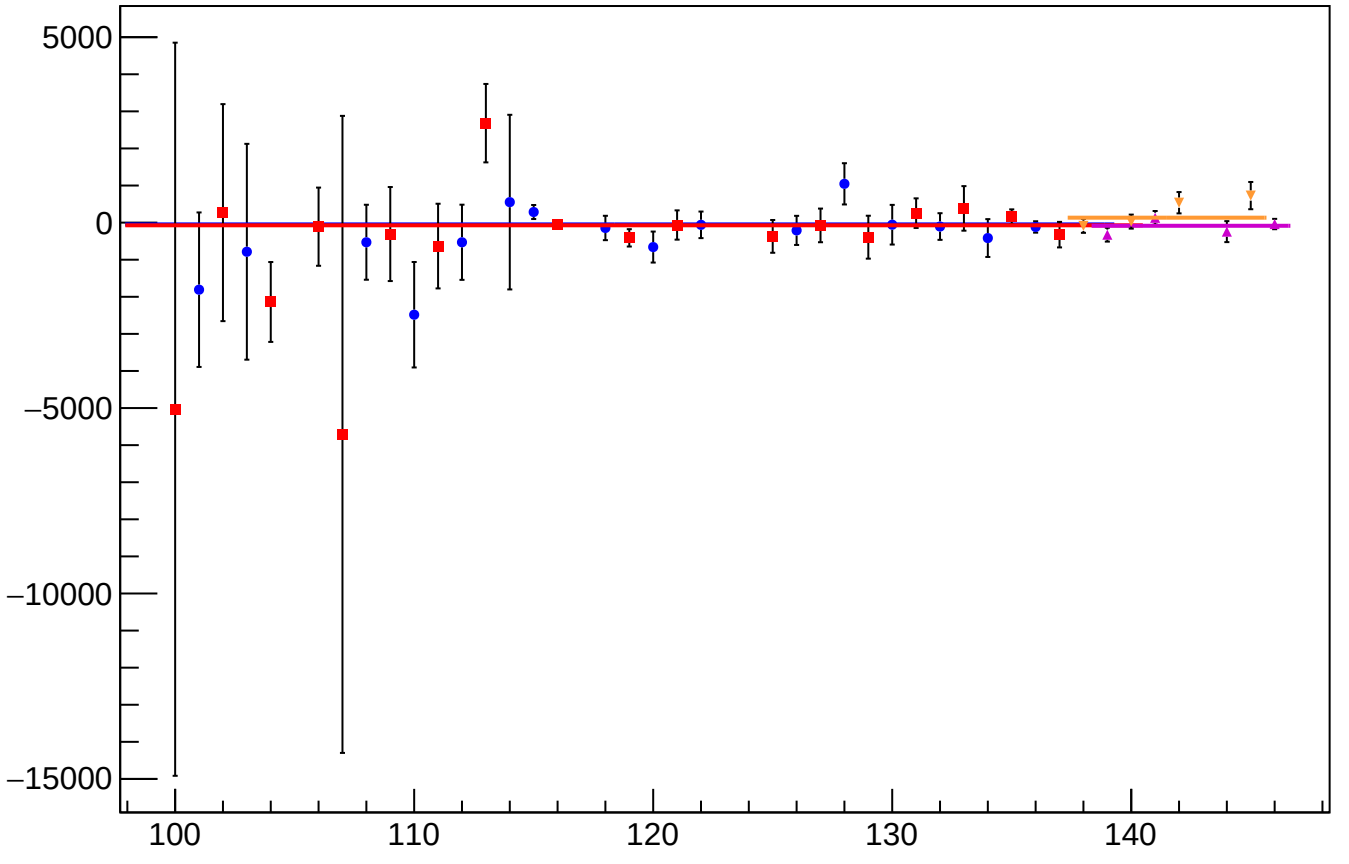
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

+ sign 2266.549+/-0.510 χ^2/NDF: 527609.3/19

All: 2269.235+/-0.354 χ^2/NDF: 701885.0/41

- sign 2271.728+/-0.492 χ^2/NDF: 174222.3/21



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: 133.352+/-114.693 χ^2/NDF:6.3/3

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

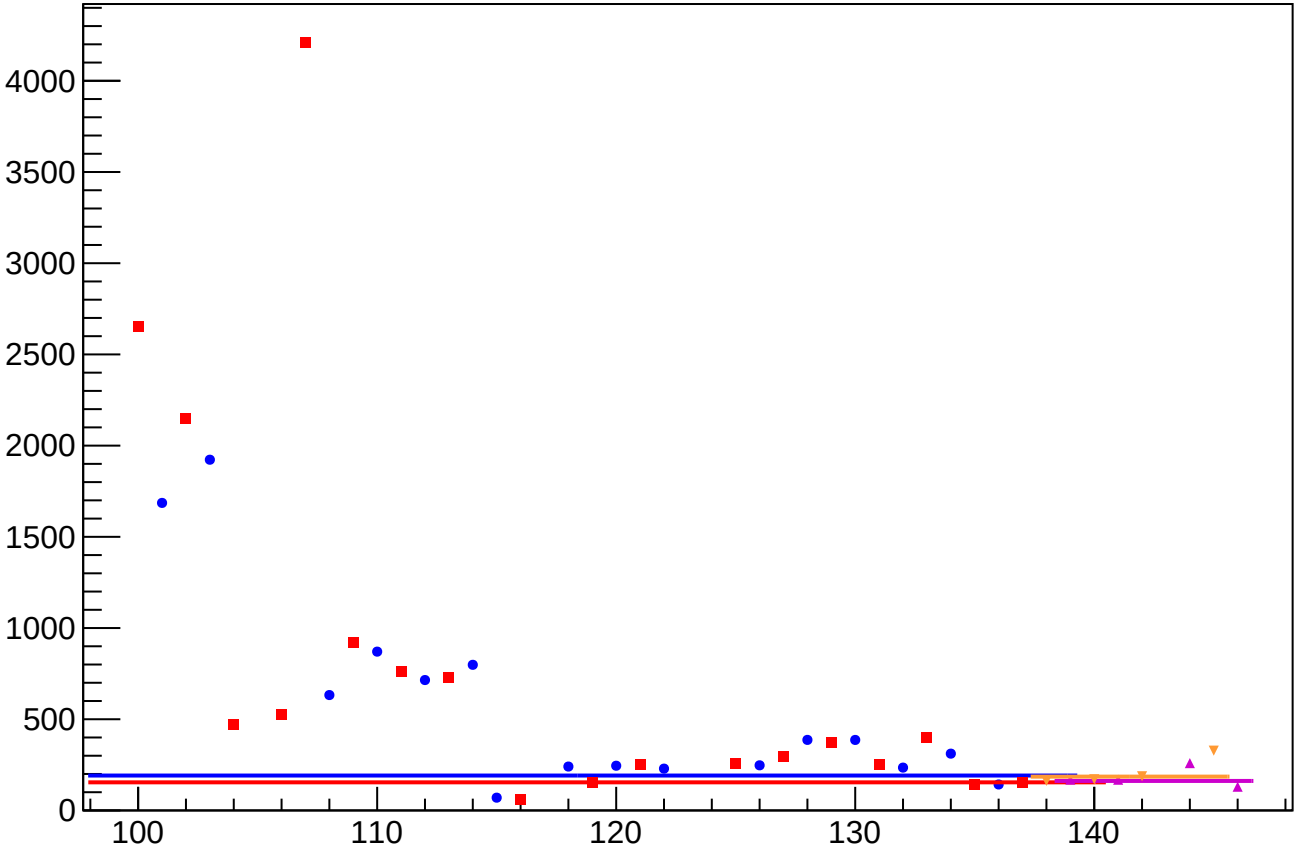
Left In: -85.225+/-90.354 χ^2/NDF:3.5/3

+ sign 22.009+/-71.249 χ^2/NDF: 22.2/19

All: -35.879+/-46.272 χ^2/NDF: 44.2/41

- sign -78.107+/-60.852 χ^2/NDF: 20.9/21

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: 185.514+/-0.081 χ^2/NDF:343729.7/3

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

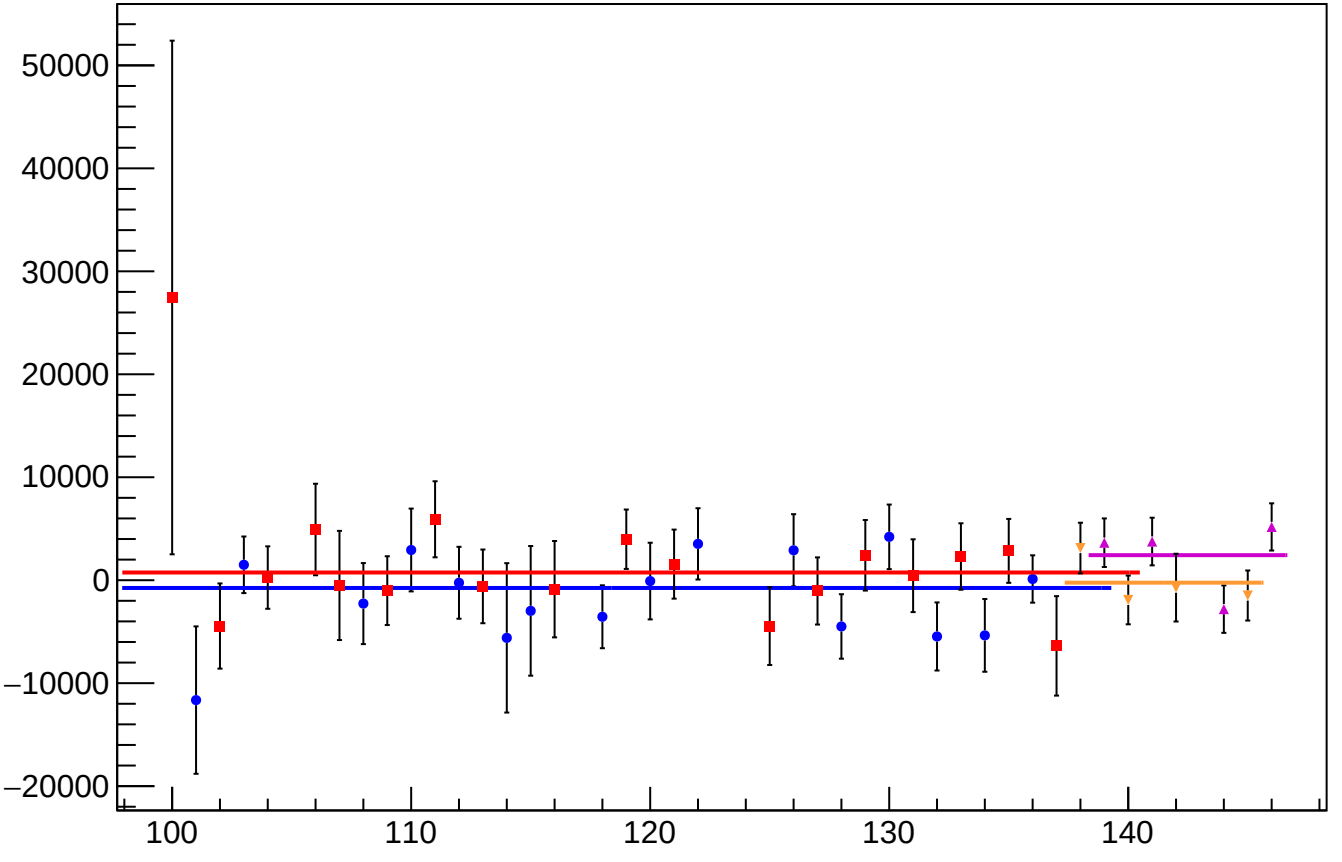
Left In: 161.792+/-0.064 χ^2/NDF:346829.0/3

+ sign 189.132+/-0.050 χ^2/NDF: 5410573.2/19

All: 170.900+/-0.033 χ^2/NDF: 12100432.4/41

- sign 157.601+/-0.043 χ^2/NDF: 6463371.5/21

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: -238.484+/-1284.900 χ^2/NDF:2.7/3

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

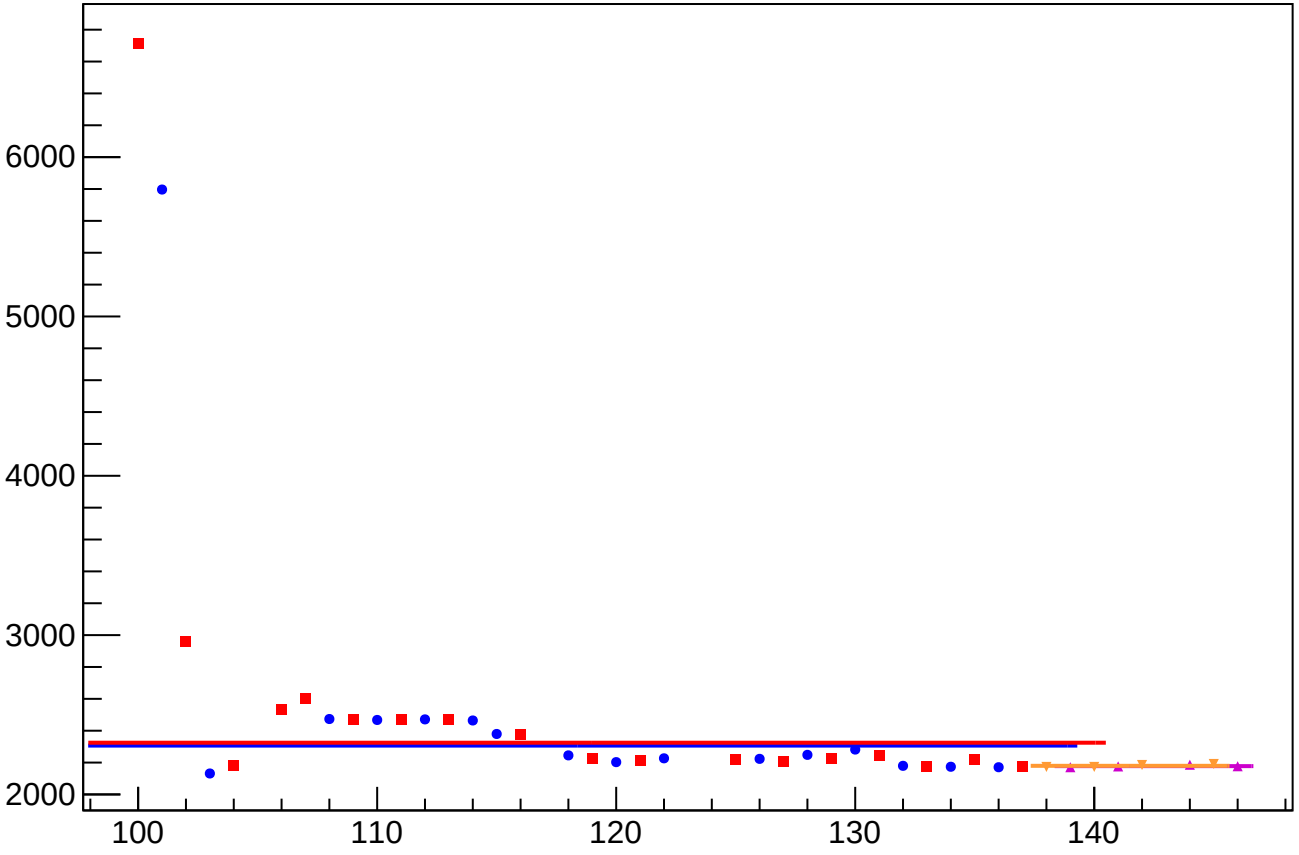
Left In: 2432.293+/-1158.364 χ^2/NDF:7.2/3

+ sign -590.809+/-721.901 χ^2/NDF: 18.6/19

All: 418.948+/-500.800 χ^2/NDF: 43.8/41

- sign 1355.717+/-695.322 χ^2/NDF: 21.4/21

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: 2179.625+/-0.909 χ^2/NDF:83.7/3

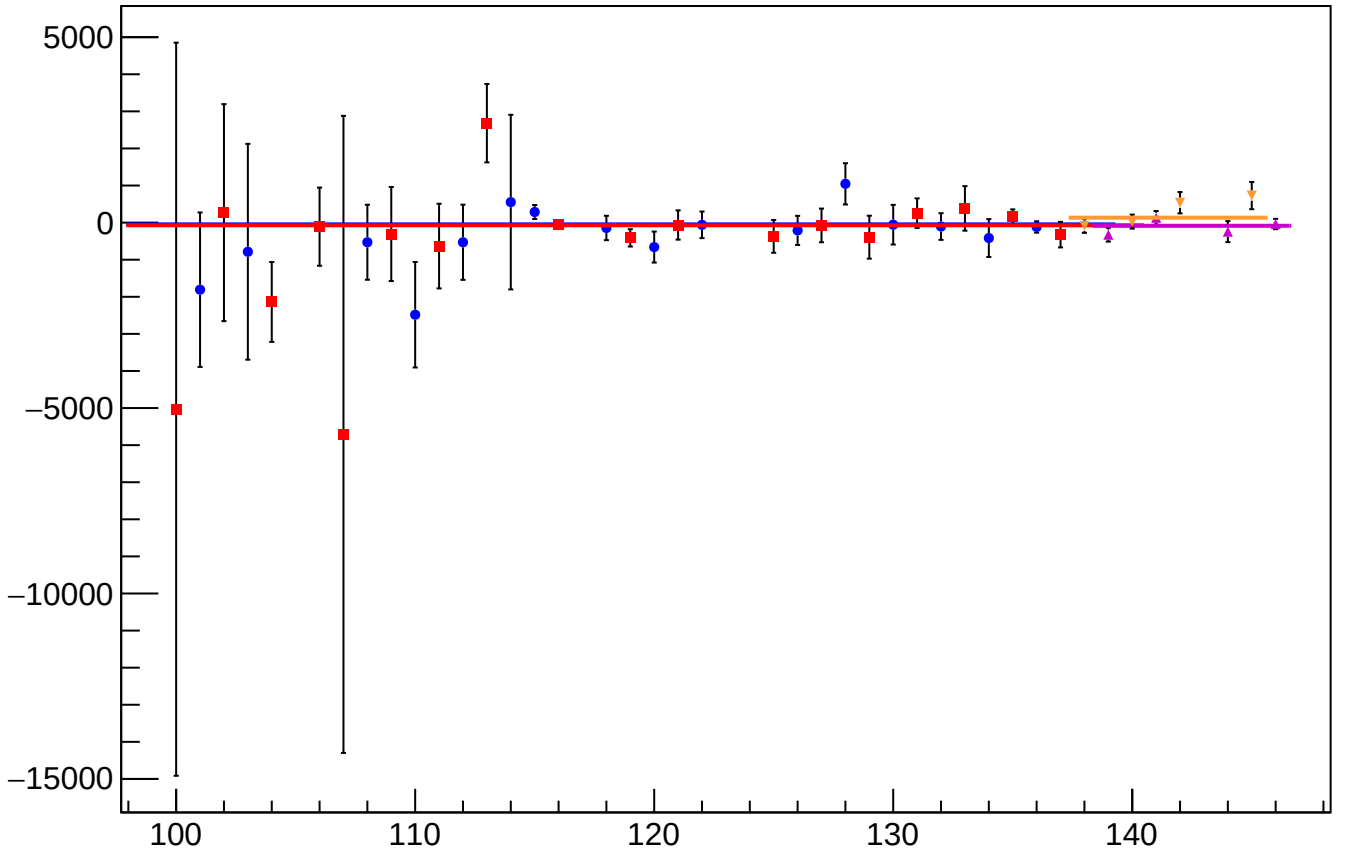
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

+ sign 2266.549+/-0.510 χ^2/NDF: 527609.3/19

All: 2269.235+/-0.354 χ^2/NDF: 701885.0/41

- sign 2271.728+/-0.492 χ^2/NDF: 174222.3/21



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: 133.352+/-114.693 χ^2/NDF:6.3/3

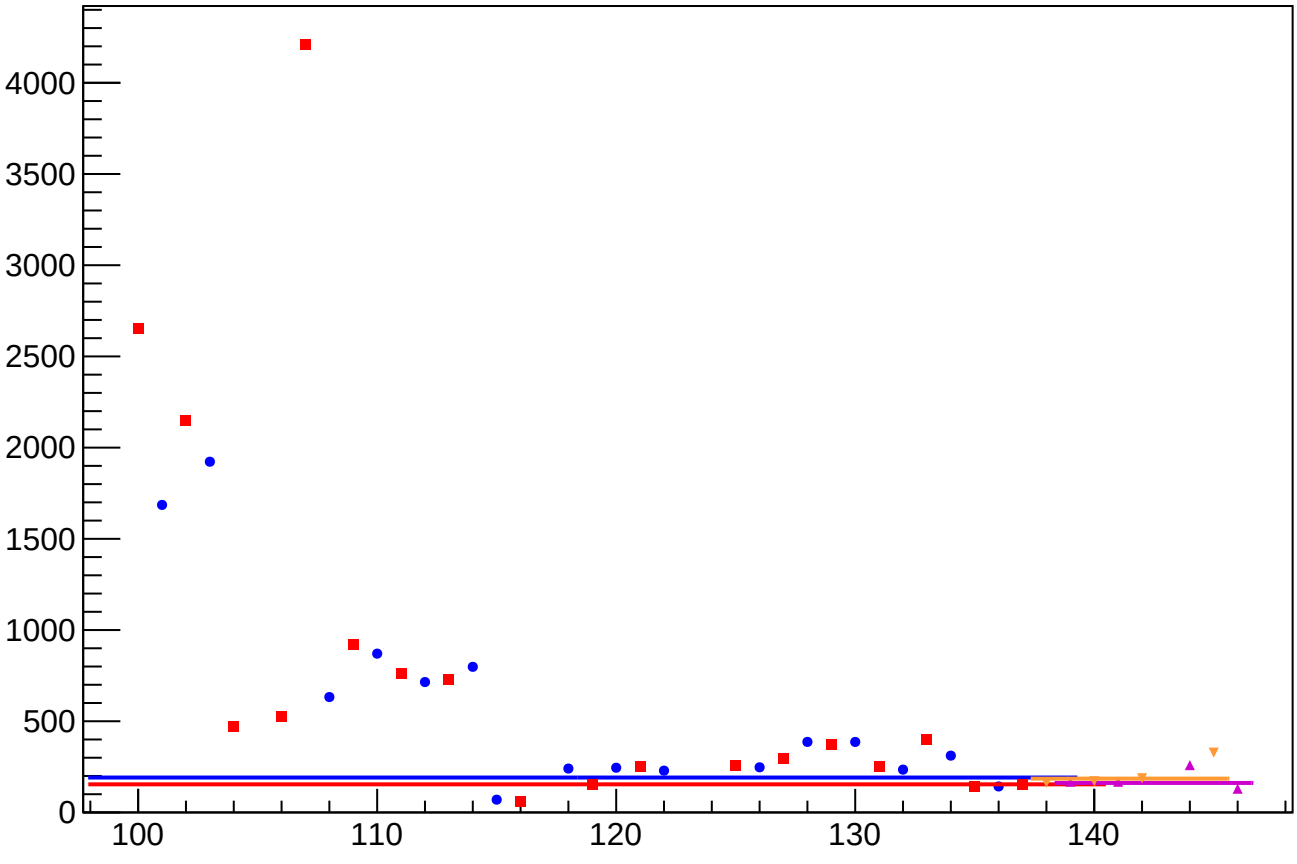
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -85.225+/-90.354 χ^2/NDF:3.5/3

+ sign 22.009+/-71.249 χ^2/NDF: 22.2/19

All: -35.879+/-46.272 χ^2/NDF: 44.2/41

- sign -78.107+/-60.852 χ^2/NDF: 20.9/21



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 185.514+/-0.081 χ^2/NDF:343729.7/3

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

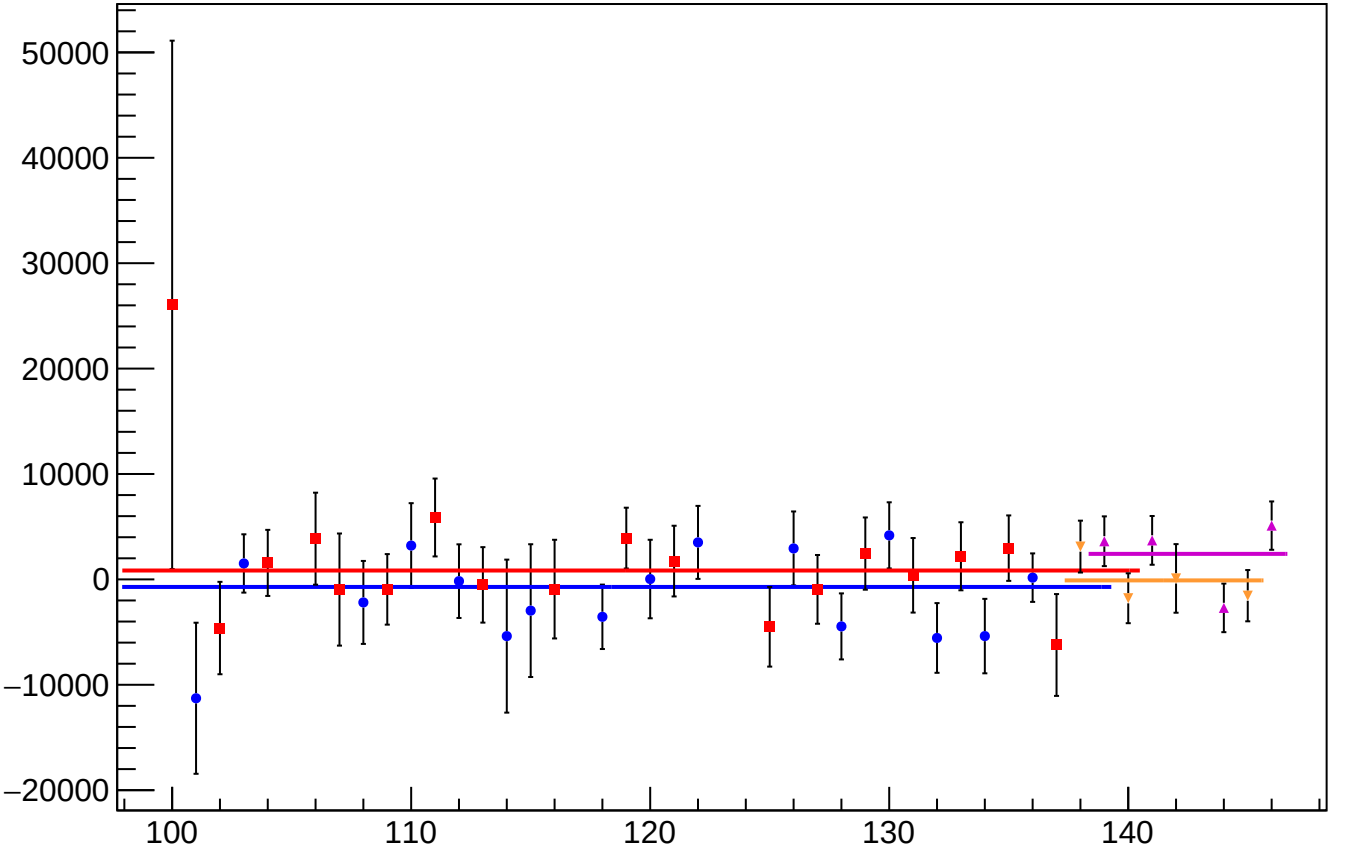
Left In: 161.792+/-0.064 χ^2/NDF:346829.0/3

+ sign 189.132+/-0.050 χ^2/NDF: 5410573.2/19

All: 170.900+/-0.033 χ^2/NDF: 12100432.4/41

- sign 157.601+/-0.043 χ^2/NDF: 6463371.5/21

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -96.028+/-1283.309 χ^2/NDF:2.6/3

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

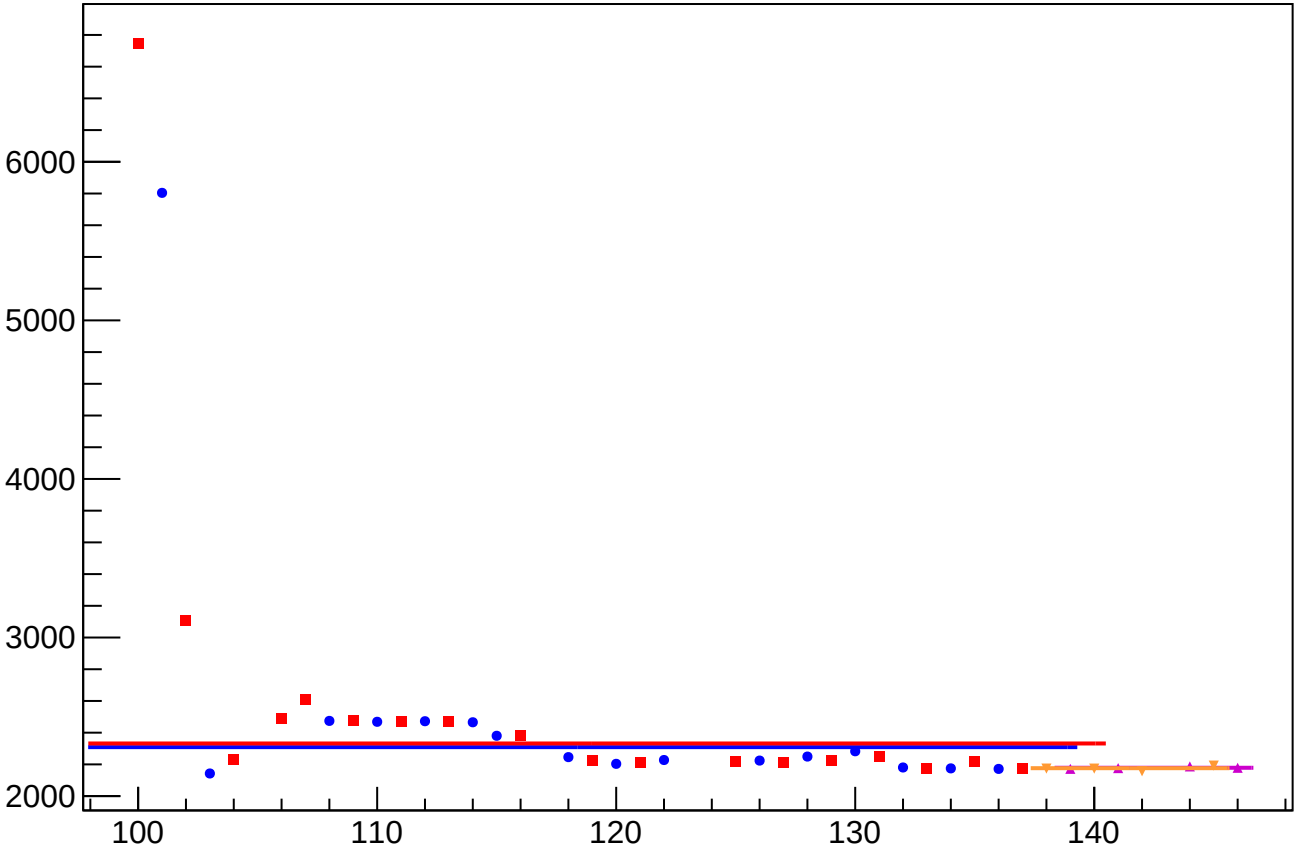
Left In: 2420.212+/-1158.868 χ^2/NDF:6.9/3

\+ sign -520.473+/-722.120 χ^2/NDF: 18.6/19

All: 480.165+/-501.717 χ^2/NDF: 42.5/41

\- sign 1413.964+/-697.585 χ^2/NDF: 20.2/21

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2176.033+/-0.907 χ^2/NDF:167.5/3

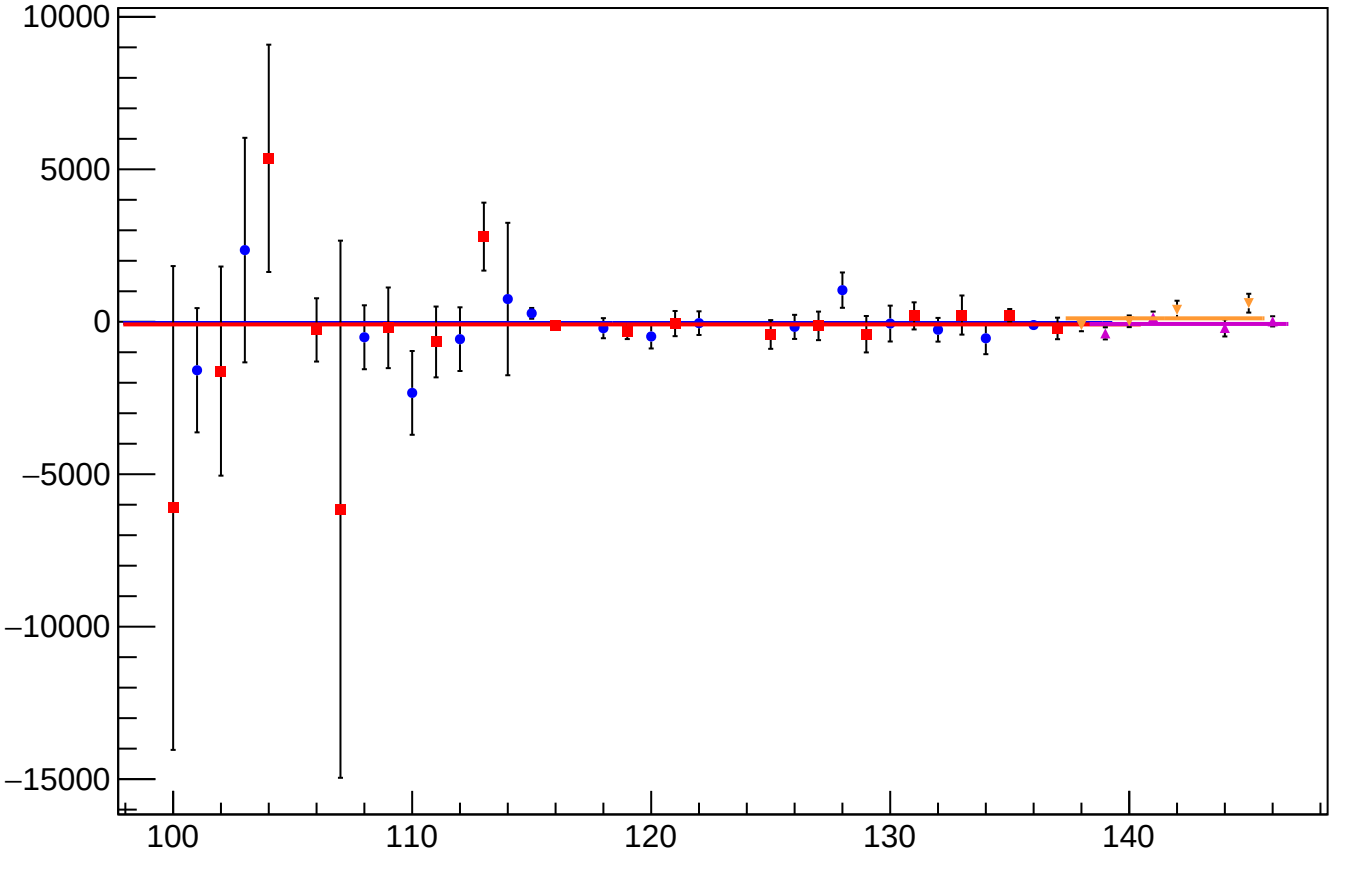
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.657+/-0.819 χ^2/NDF:45.5/3

+ sign 2266.720+/-0.511 χ^2/NDF: 528524.9/19

All: 2271.697+/-0.355 χ^2/NDF: 718360.9/41

- sign 2276.341+/-0.493 χ^2/NDF: 189652.4/21



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: 112.966+/-116.128 χ^2/NDF:5.0/3

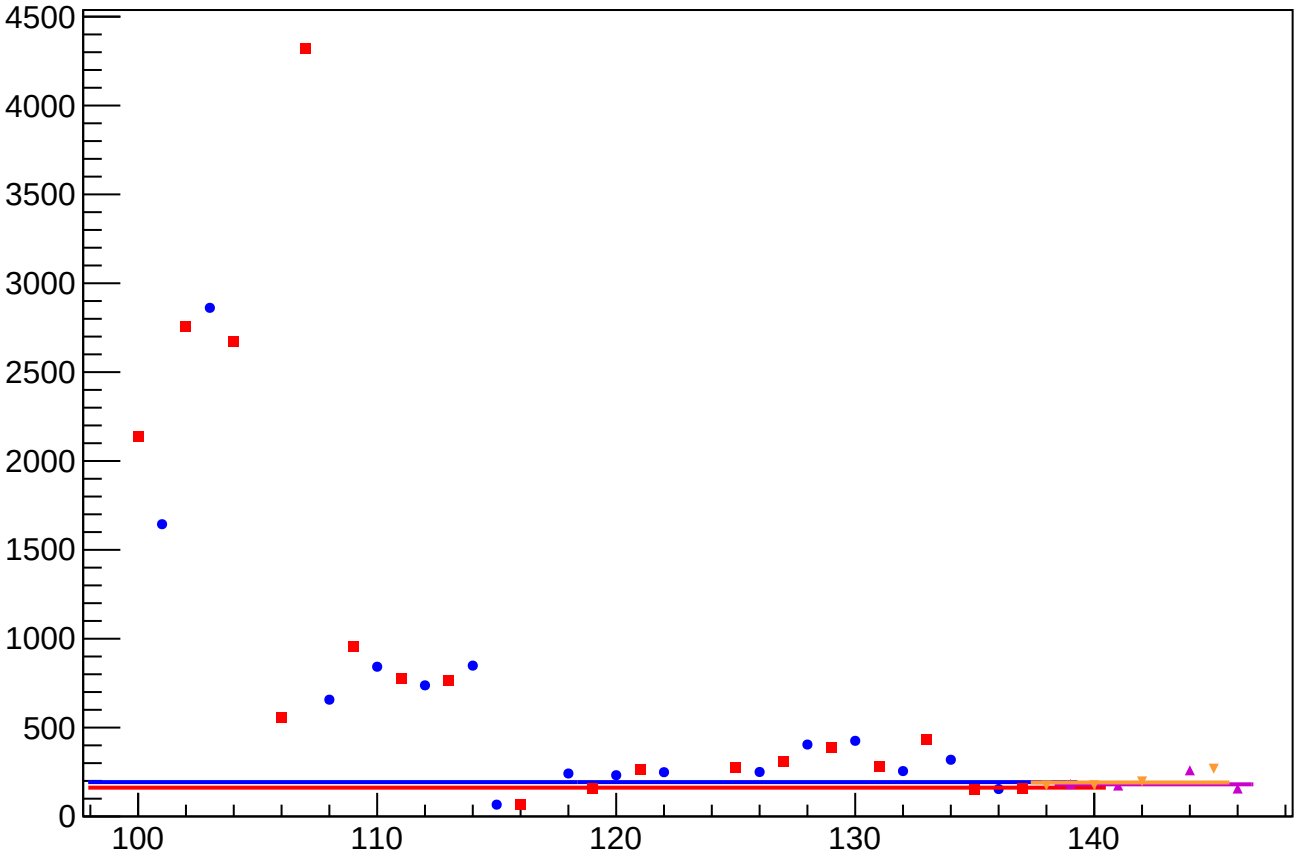
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -71.407+/-98.565 χ^2/NDF:4.3/3

+ sign 19.234+/-72.309 χ^2/NDF: 20.1/19

All: -35.717+/-48.274 χ^2/NDF: 40.4/41

- sign -79.900+/-64.839 χ^2/NDF: 19.3/21



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 191.207+/-0.082 χ^2/NDF:155525.5/3

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

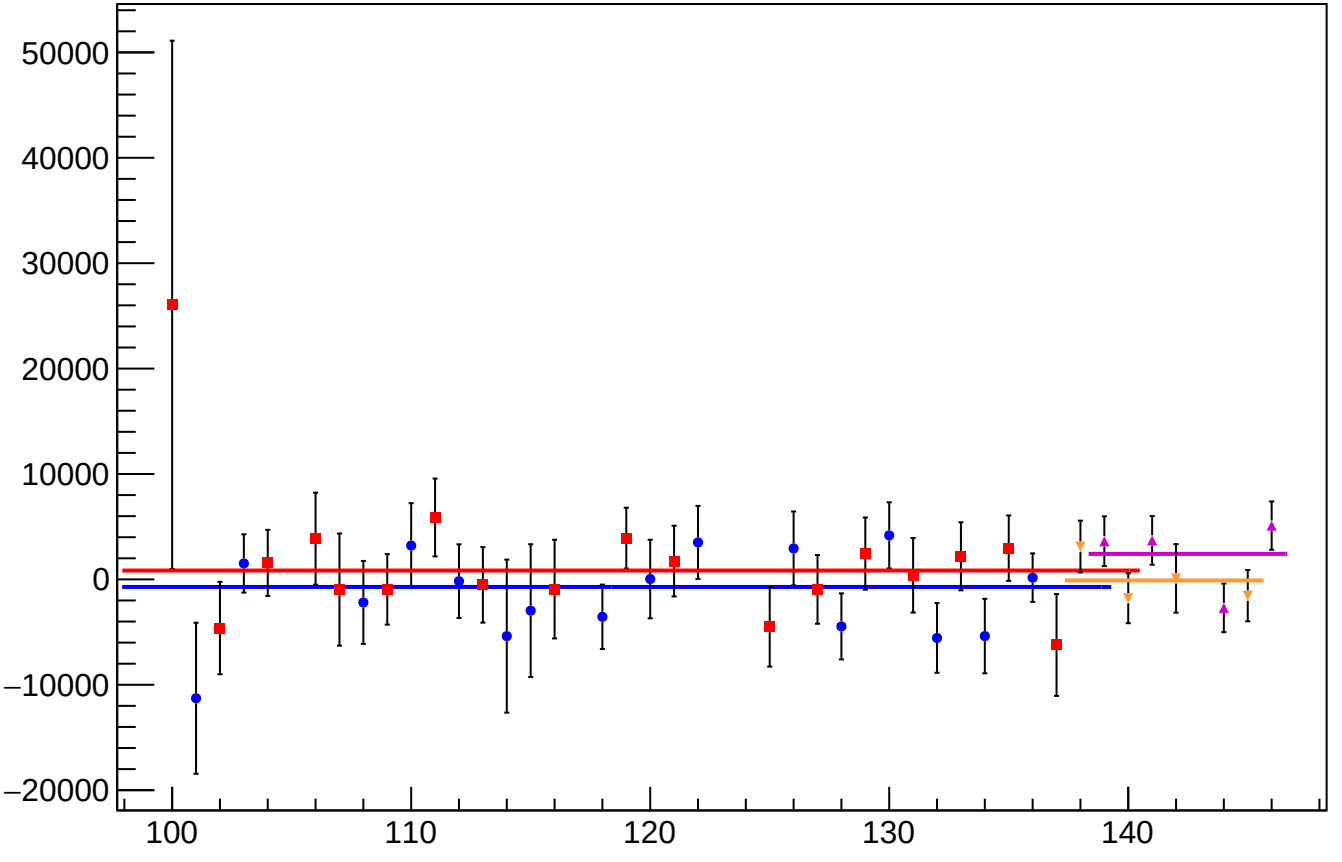
Left In: 180.783+/-0.070 χ^2/NDF:200988.5/3

+ sign 192.461+/-0.051 χ^2/NDF: 5773753.3/19

All: 180.118+/-0.034 χ^2/NDF: 13191074.4/41

- sign 170.193+/-0.046 χ^2/NDF: 7312177.8/21

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: -96.029+/-1283.309 χ^2/NDF:2.6/3

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

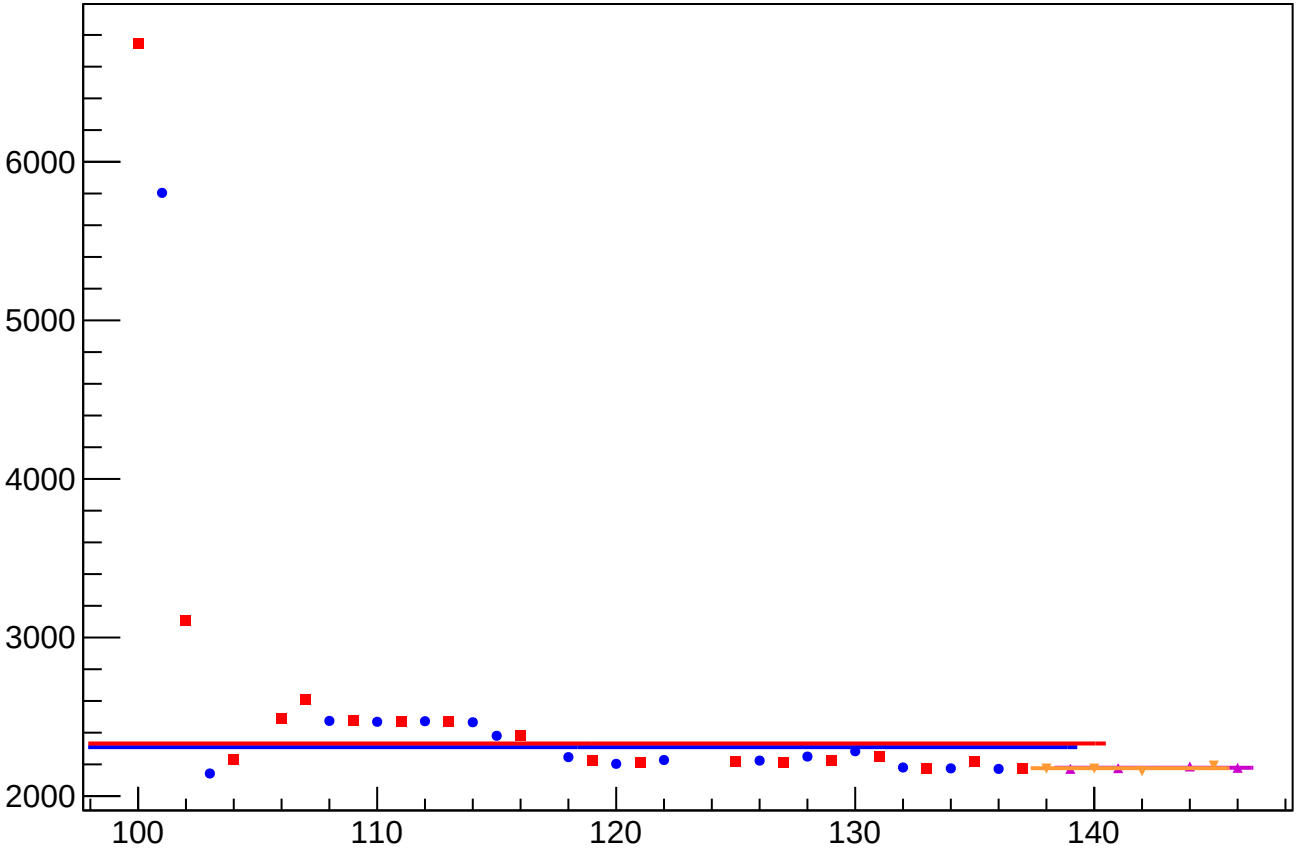
Left In: 2420.211+/-1158.868 χ^2/NDF:6.9/3

+ sign -520.474+/-722.120 χ^2/NDF: 18.6/19

All: 480.165+/-501.717 χ^2/NDF: 42.5/41

- sign 1413.965+/-697.585 χ^2/NDF: 20.2/21

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2176.033+/-0.907 χ^2/NDF:167.5/3

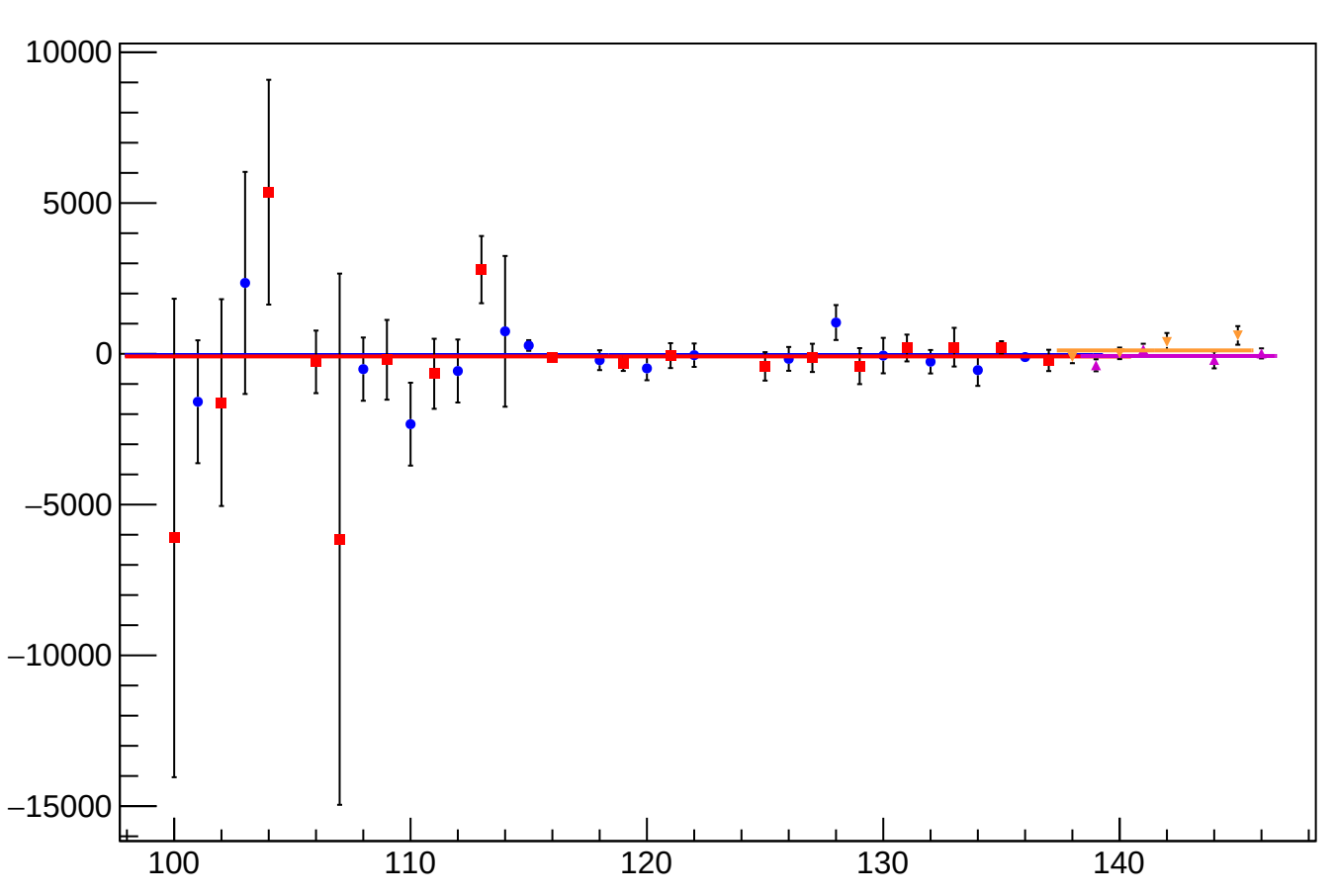
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.657+/-0.819 χ^2/NDF:45.5/3

+ sign 2266.720+/-0.511 χ^2/NDF: 528524.9/19

All: 2271.697+/-0.355 χ^2/NDF: 718360.8/41

- sign 2276.341+/-0.493 χ^2/NDF: 189652.3/21



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: 112.969+/-116.129 χ^2/NDF:5.0/3

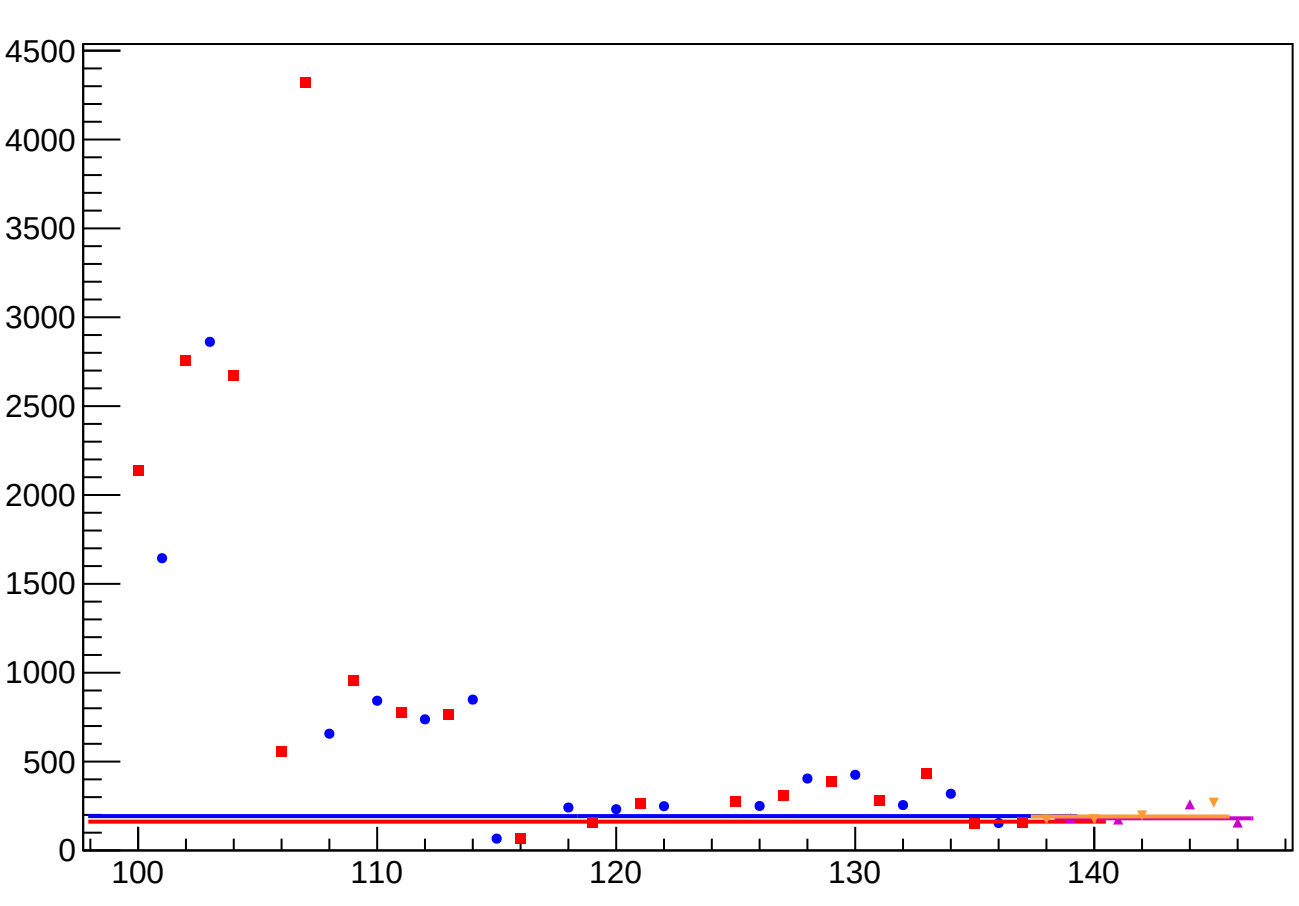
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -71.405+/-98.565 χ^2/NDF:4.3/3

+ sign 19.236+/-72.309 χ^2/NDF: 20.1/19

All: -35.716+/-48.273 χ^2/NDF: 40.4/41

- sign -79.900+/-64.838 χ^2/NDF: 19.3/21



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 191.209+/-0.082 χ^2/NDF:155516.1/3

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

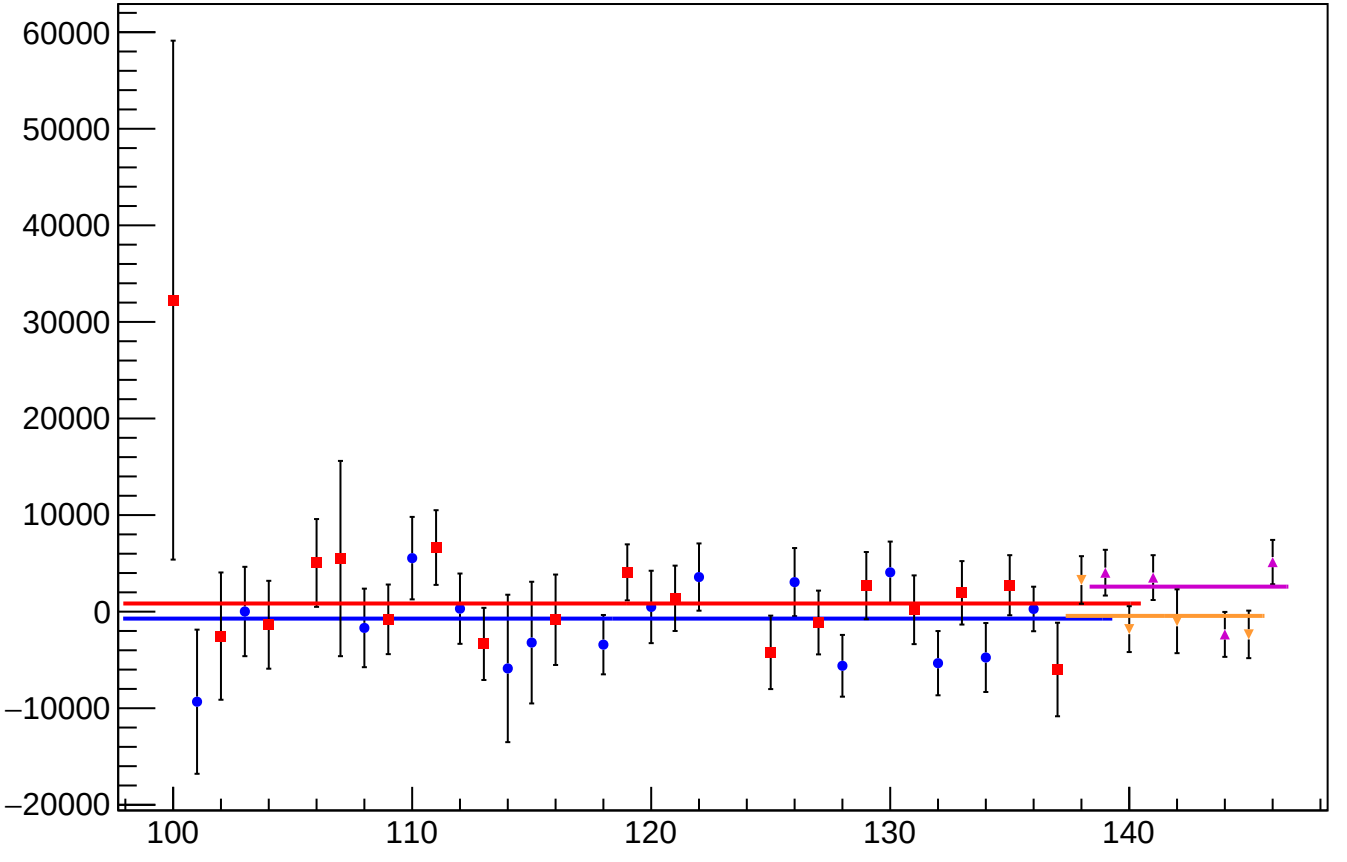
Left In: 180.784+/-0.070 χ^2/NDF:200983.9/3

+ sign 192.460+/-0.051 χ^2/NDF: 5773779.7/19

All: 180.117+/-0.034 χ^2/NDF: 13191170.8/41

- sign 170.192+/-0.046 χ^2/NDF: 7312245.5/21

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -438.869+/-1292.649 χ^2/NDF:3.2/3

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

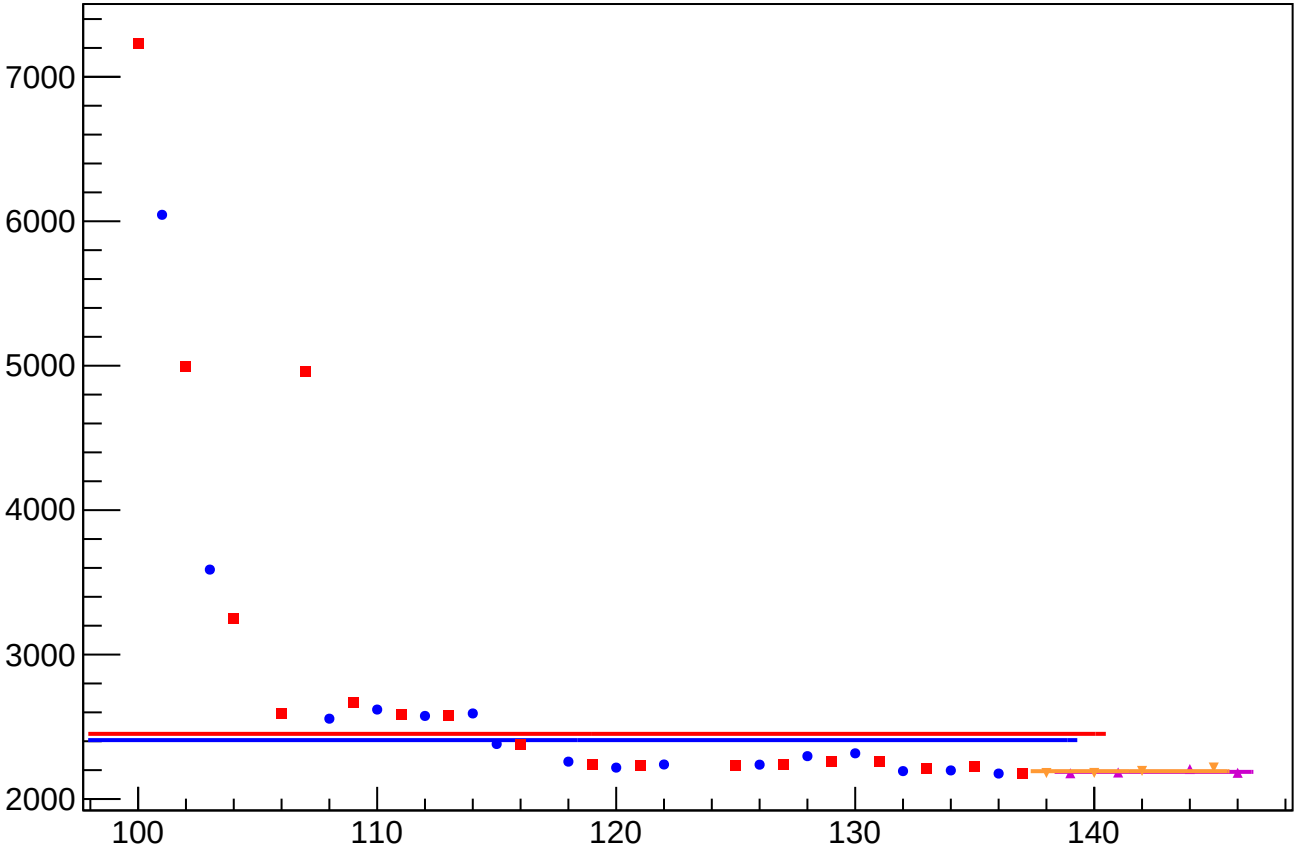
Left In: 2590.075+/-1163.836 χ^2/NDF:6.3/3

+ sign -625.701+/-747.500 χ^2/NDF: 19.1/19

All: 480.521+/-520.763 χ^2/NDF: 43.9/41

- sign 1523.776+/-725.914 χ^2/NDF: 20.6/21

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2192.722+/-0.914 χ^2/NDF:317.7/3

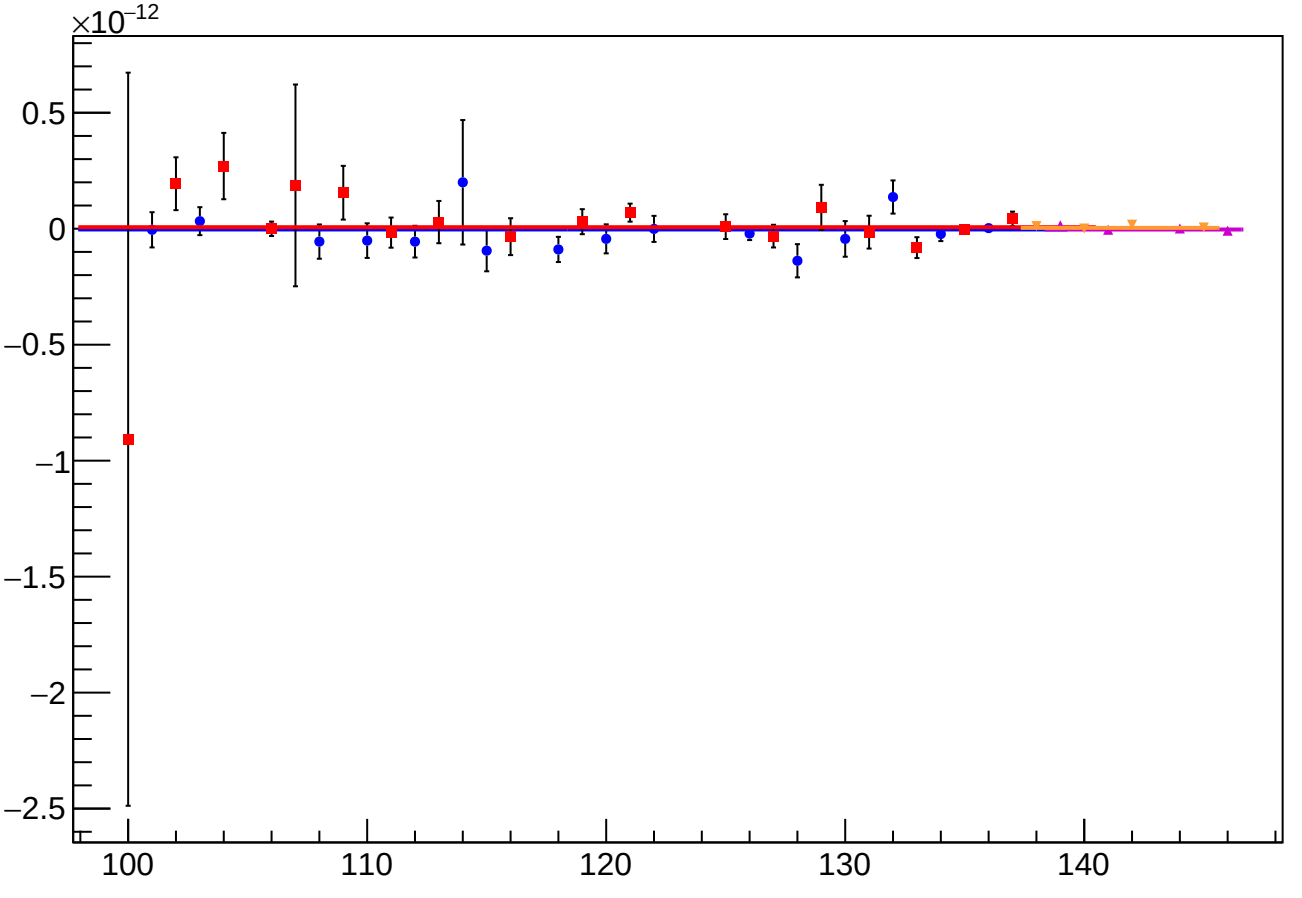
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.965+/-0.823 χ^2/NDF:198.3/3

+ sign 2335.875+/-0.529 χ^2/NDF: 714060.6/19

All: 2342.520+/-0.368 χ^2/NDF: 1410671.4/41

- sign 2348.786+/-0.513 χ^2/NDF: 696303.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

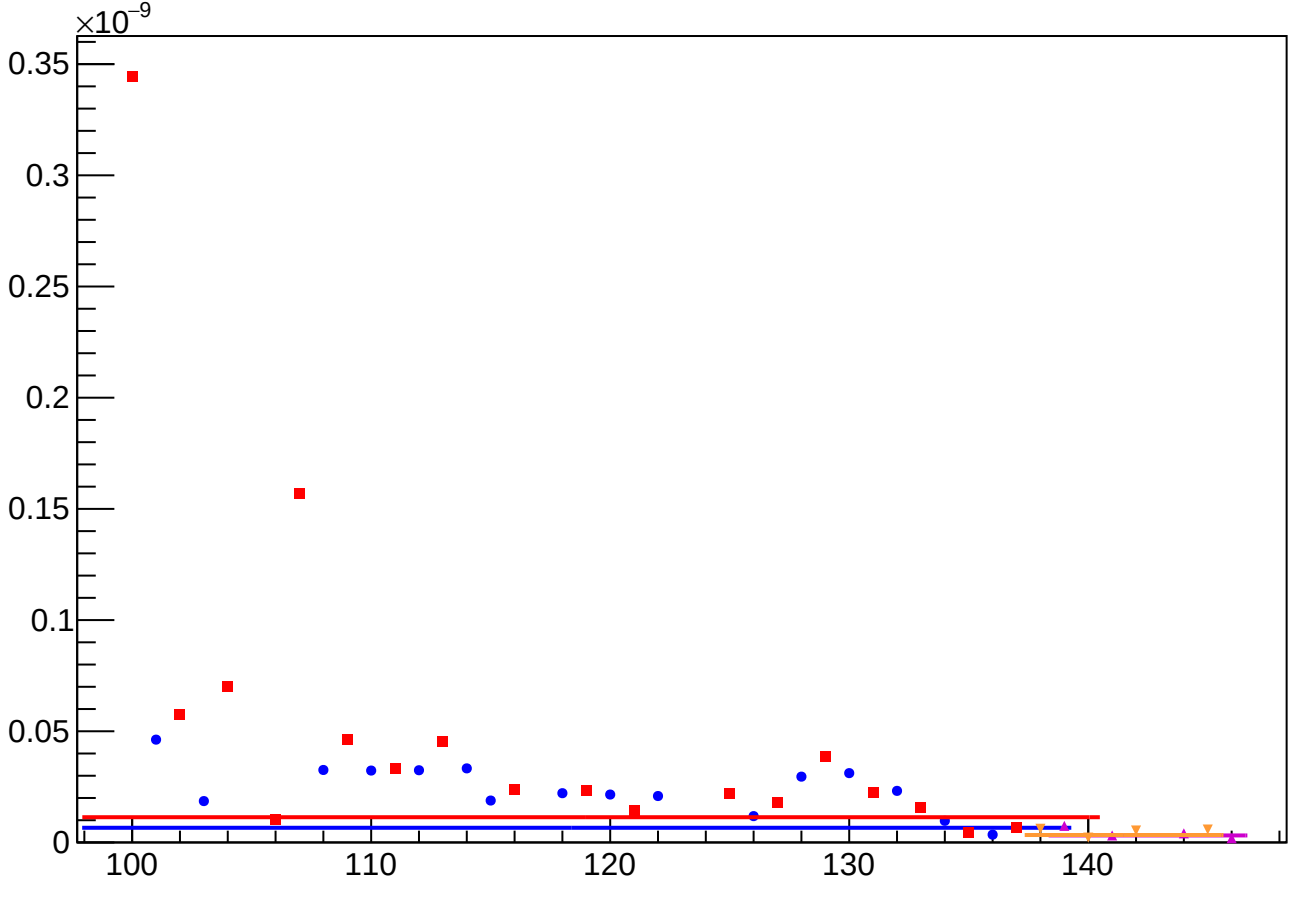
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 18.7/19

All: -0.000+/-0.000 χ^2/NDF: 43.4/41

- sign -0.000+/-0.000 χ^2/NDF: 23.7/21



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:508813.7/3

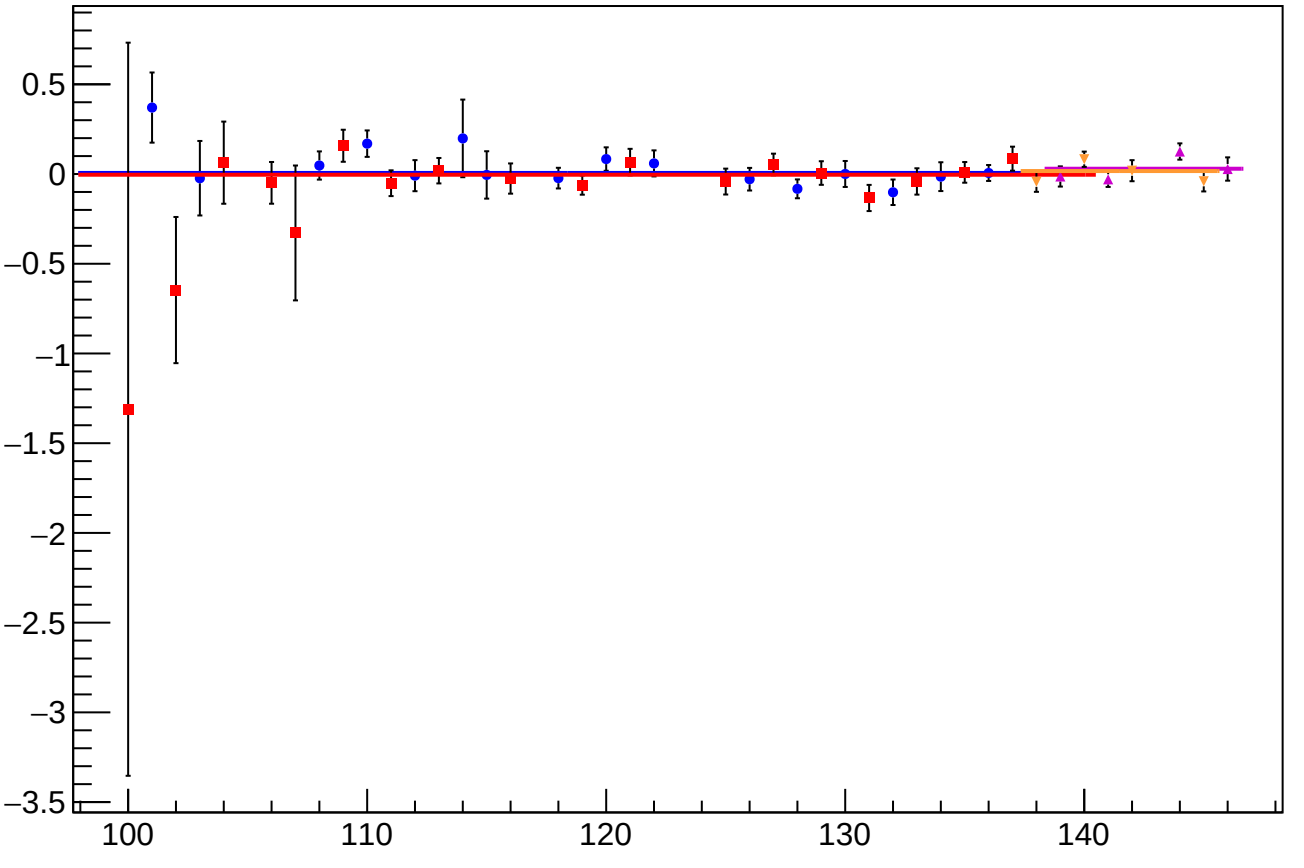
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:422357.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3779446.7/19

All: 0.000+/-0.000 χ^2/NDF: 8166644.9/41

- sign 0.000+/-0.000 χ^2/NDF: 4386175.4/21



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.017+/-0.026 χ^2/NDF:4.5/3

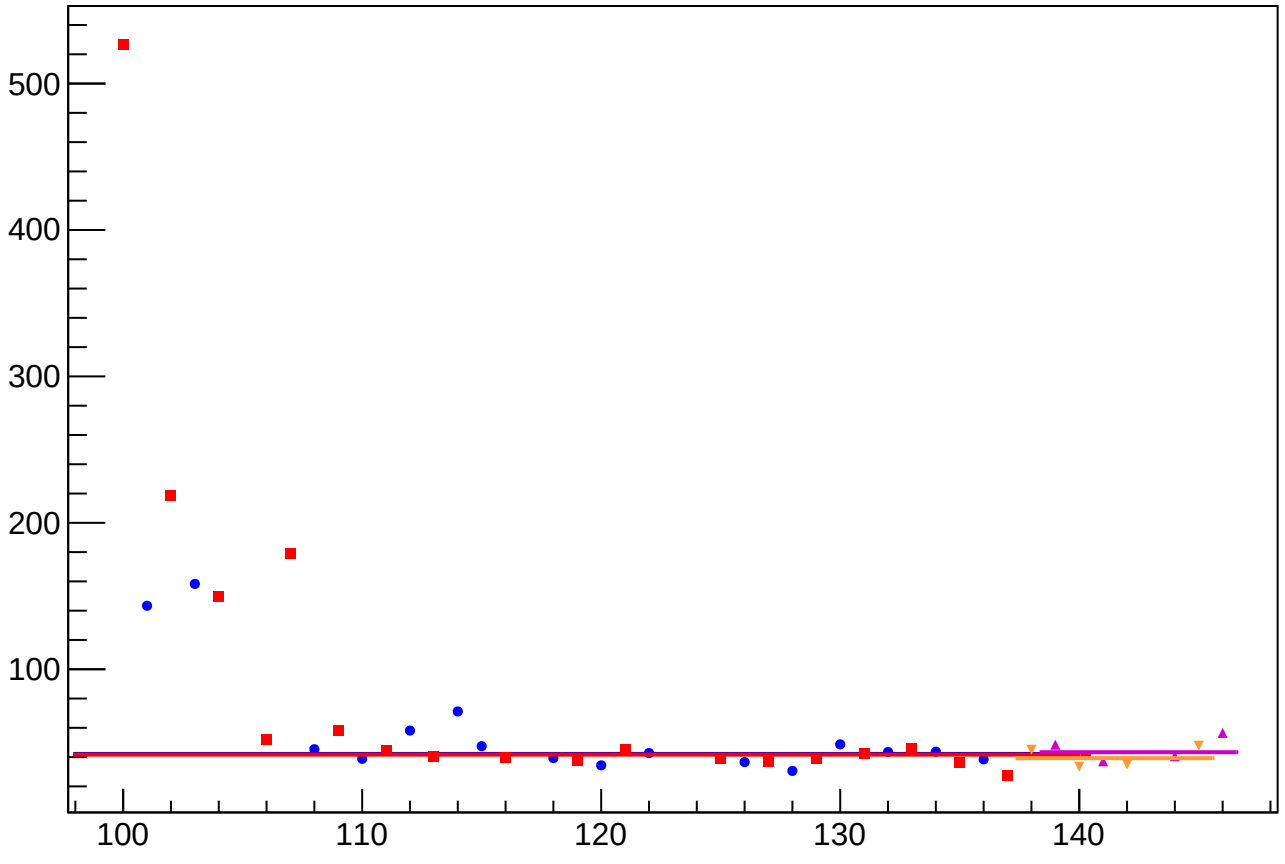
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.029+/-0.025 χ^2/NDF:7.0/3

+ sign 0.010+/-0.015 χ^2/NDF: 21.9/19

All: 0.009+/-0.011 χ^2/NDF: 46.3/41

- sign 0.008+/-0.015 χ^2/NDF: 24.4/21



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.288+/-0.018 χ^2/NDF:113351.5/3

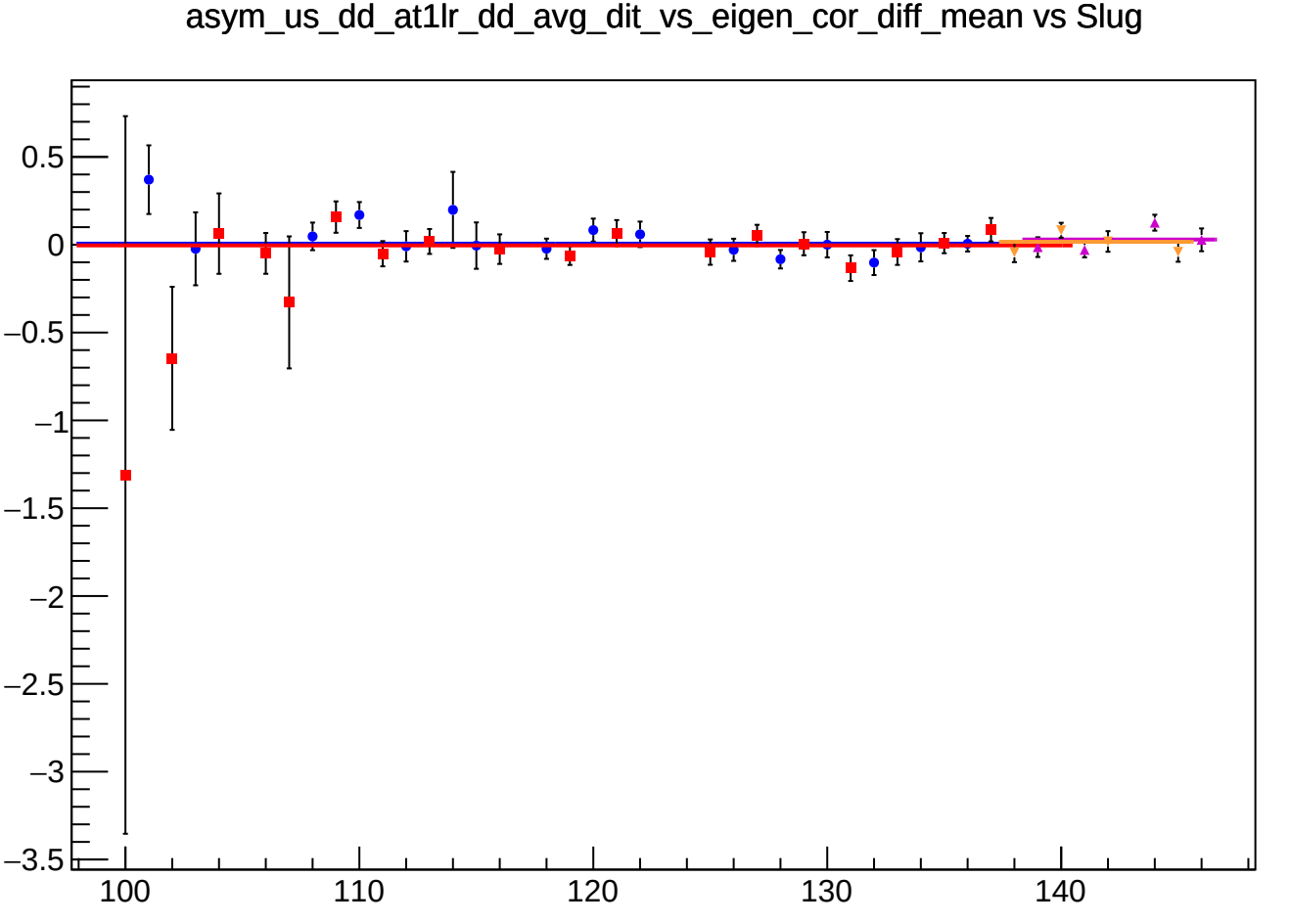
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 43.351+/-0.018 χ^2/NDF:148827.1/3

+ sign 41.218+/-0.011 χ^2/NDF: 1584085.2/19

All: 41.750+/-0.007 χ^2/NDF: 3184822.6/41

- sign 42.280+/-0.011 χ^2/NDF: 1595681.8/21



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.017+/-0.026 χ^2/NDF:4.5/3

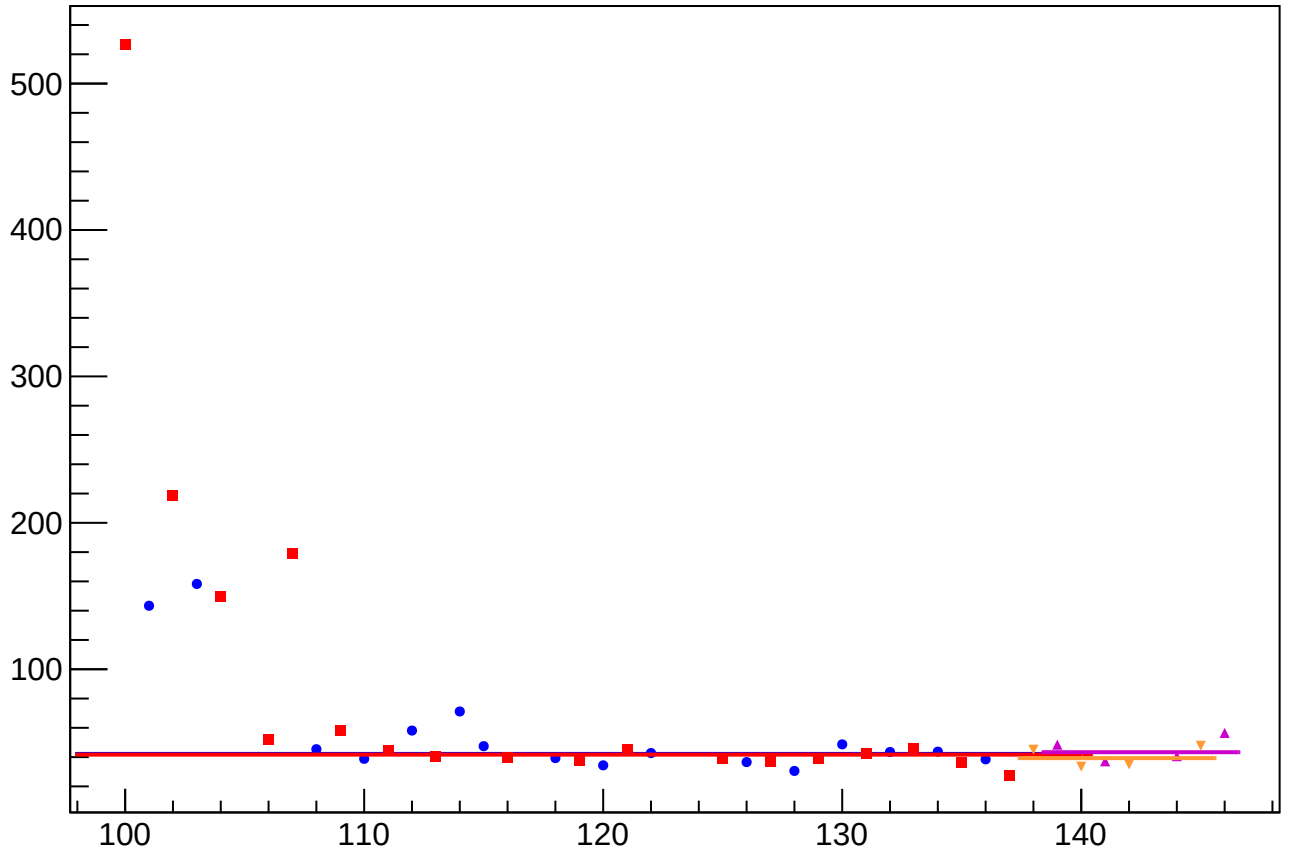
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.029+/-0.025 χ^2/NDF:7.0/3

+ sign 0.010+/-0.015 χ^2/NDF: 21.9/19

All: 0.009+/-0.011 χ^2/NDF: 46.3/41

- sign 0.008+/-0.015 χ^2/NDF: 24.4/21



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.288+/-0.018 χ^2/NDF:113351.5/3

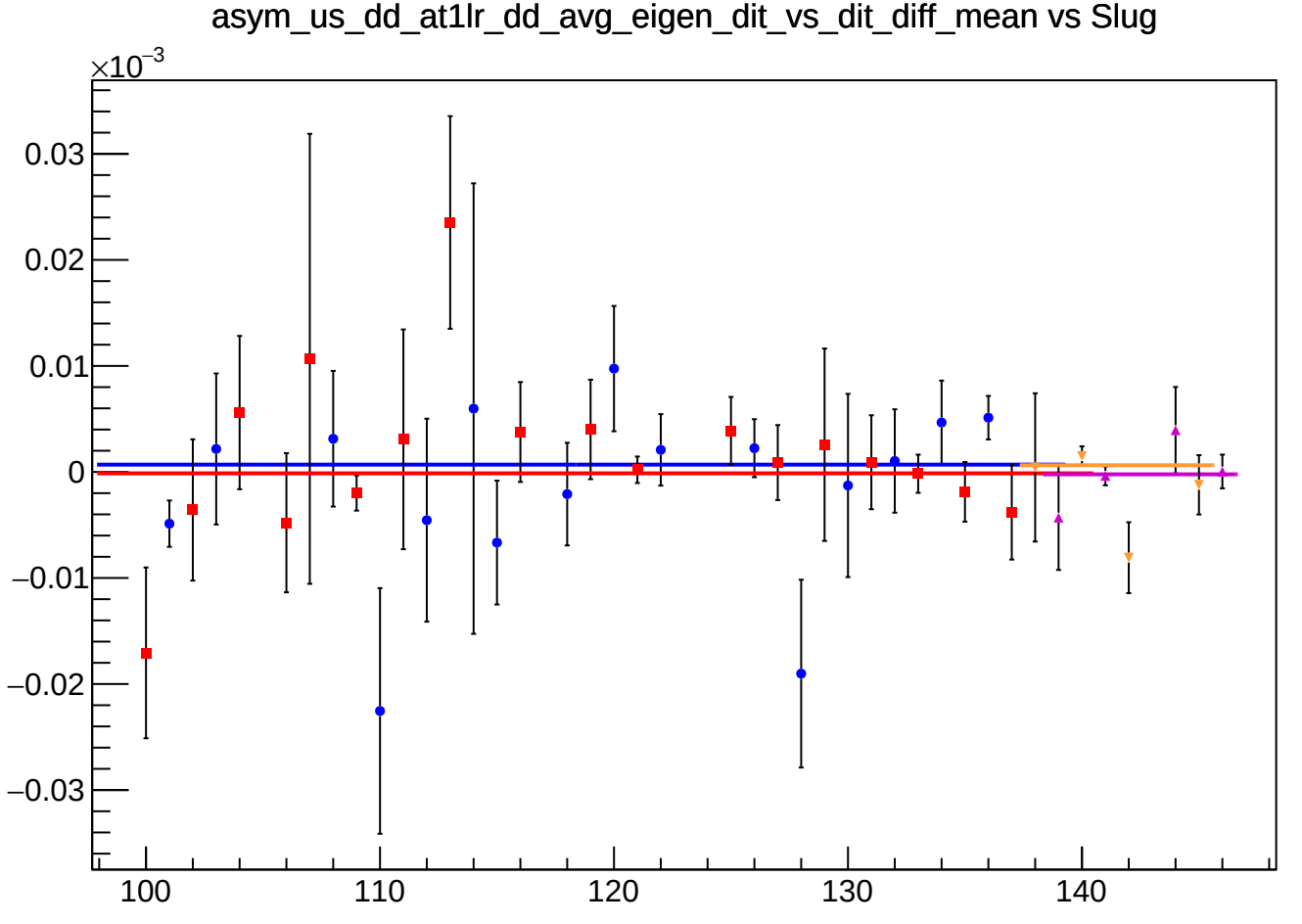
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 43.351+/-0.018 χ^2/NDF:148827.1/3

+ sign 41.218+/-0.011 χ^2/NDF: 1584085.2/19

All: 41.750+/-0.007 χ^2/NDF: 3184822.6/41

- sign 42.280+/-0.011 χ^2/NDF: 1595681.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/3

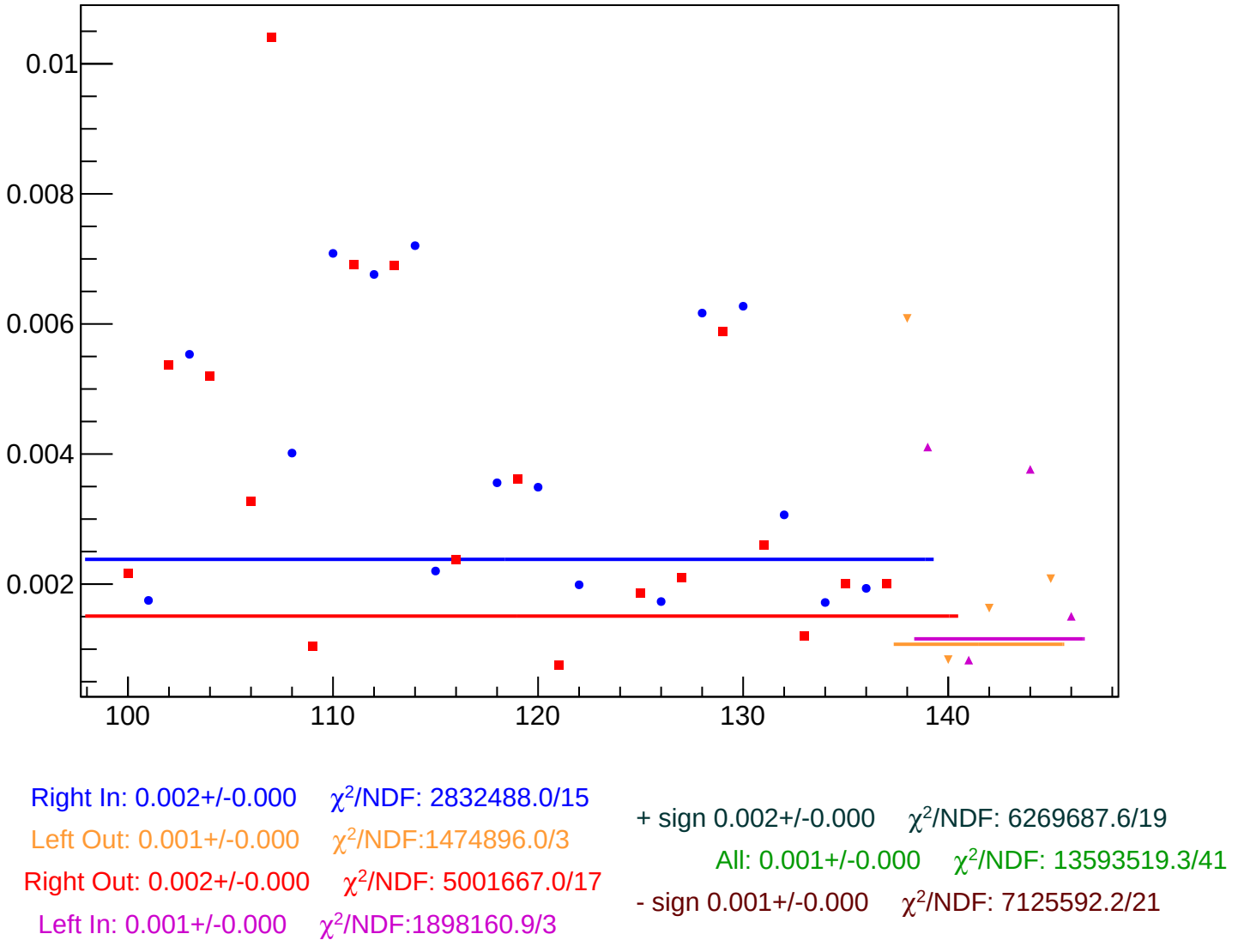
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

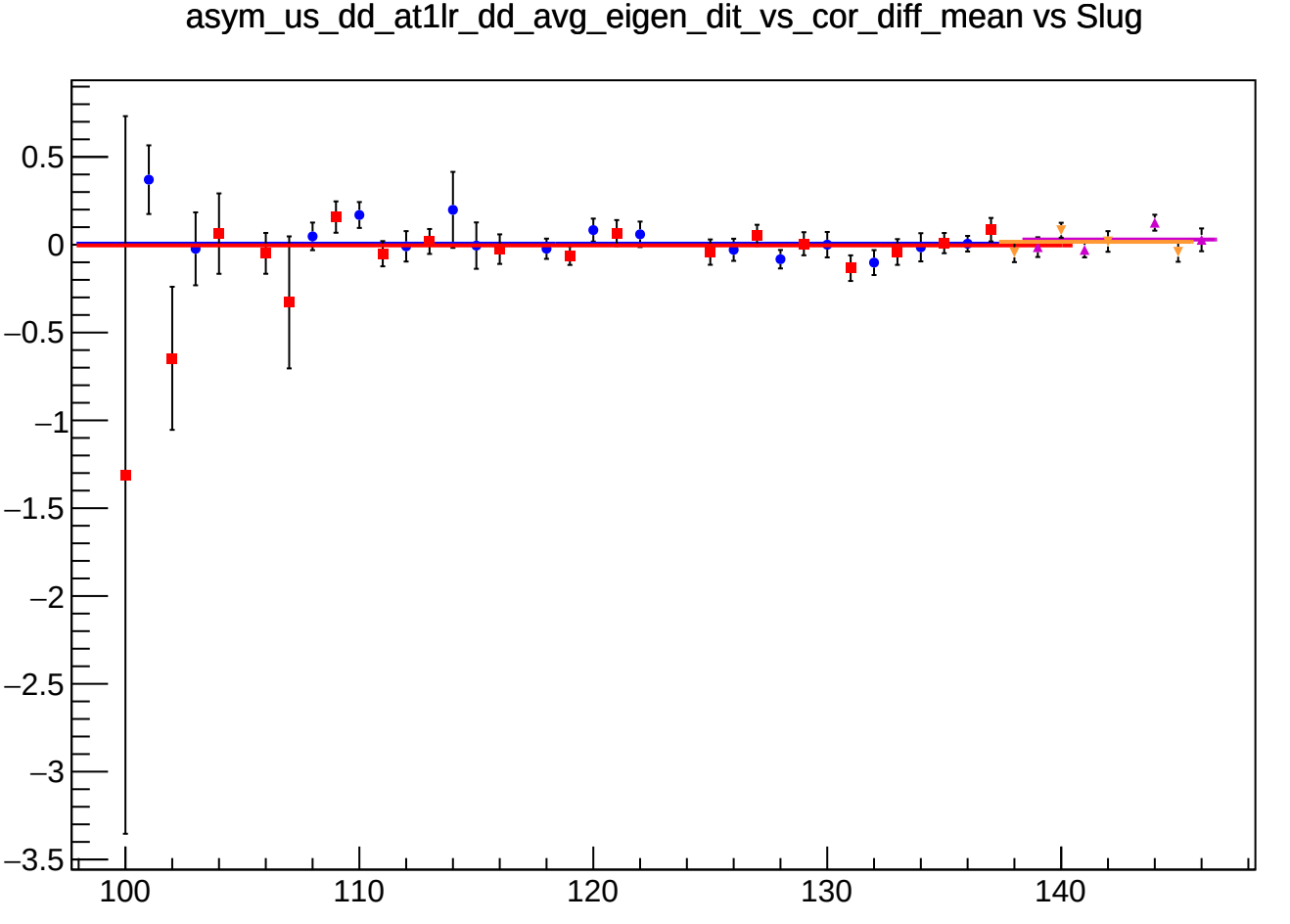
Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/19

All: 0.000+/-0.000 χ^2/NDF: 54.8/41

- sign -0.000+/-0.000 χ^2/NDF: 19.2/21


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:1474896.0/3
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:1898160.9/3
+ sign 0.002+/-0.000 χ²/NDF: 6269687.6/19
All: 0.001+/-0.000 χ²/NDF: 13593519.3/41
- sign 0.001+/-0.000 χ²/NDF: 7125592.2/21



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.017+/-0.026 χ^2/NDF:4.5/3

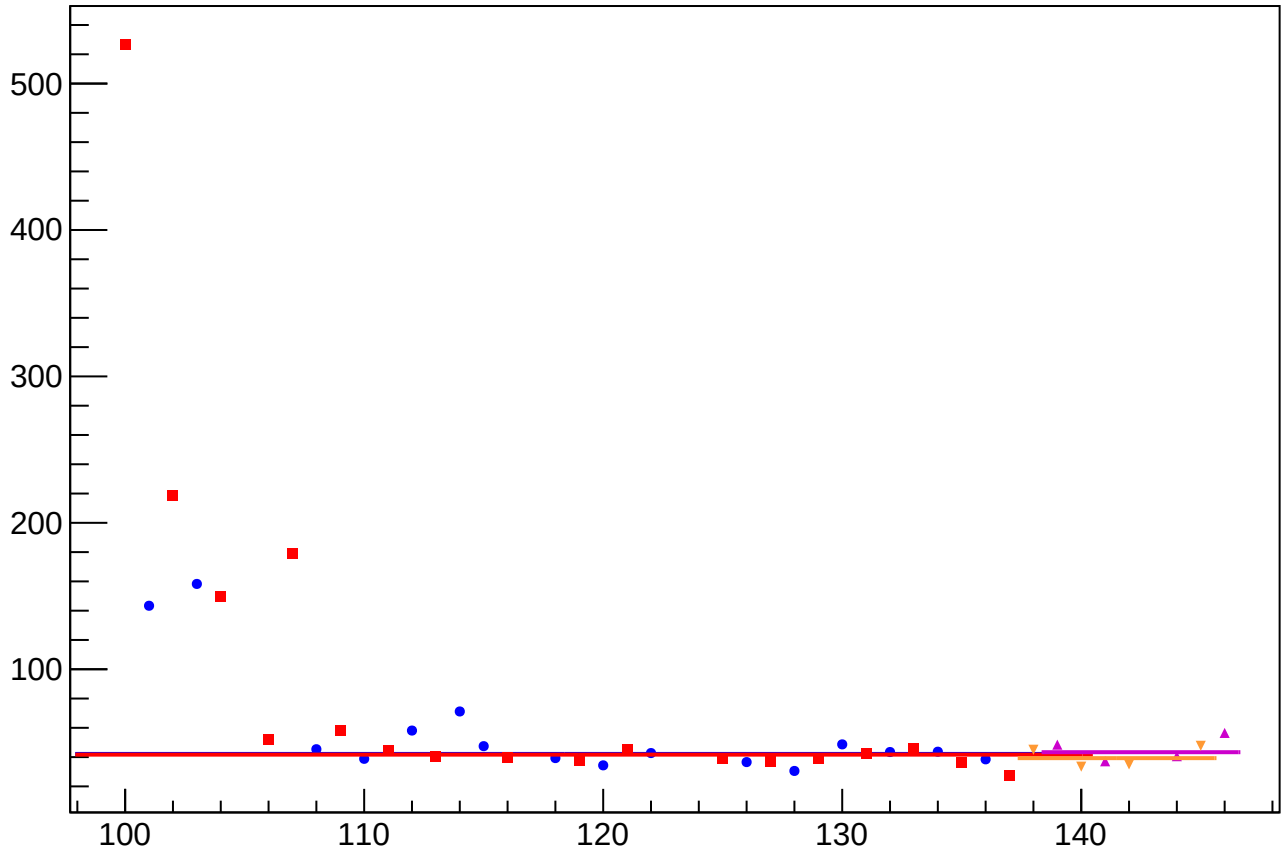
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.029+/-0.025 χ^2/NDF:7.0/3

+ sign 0.010+/-0.015 χ^2/NDF: 21.9/19

All: 0.009+/-0.011 χ^2/NDF: 46.3/41

- sign 0.008+/-0.015 χ^2/NDF: 24.4/21



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 39.289+/-0.018 χ^2/NDF:113326.7/3

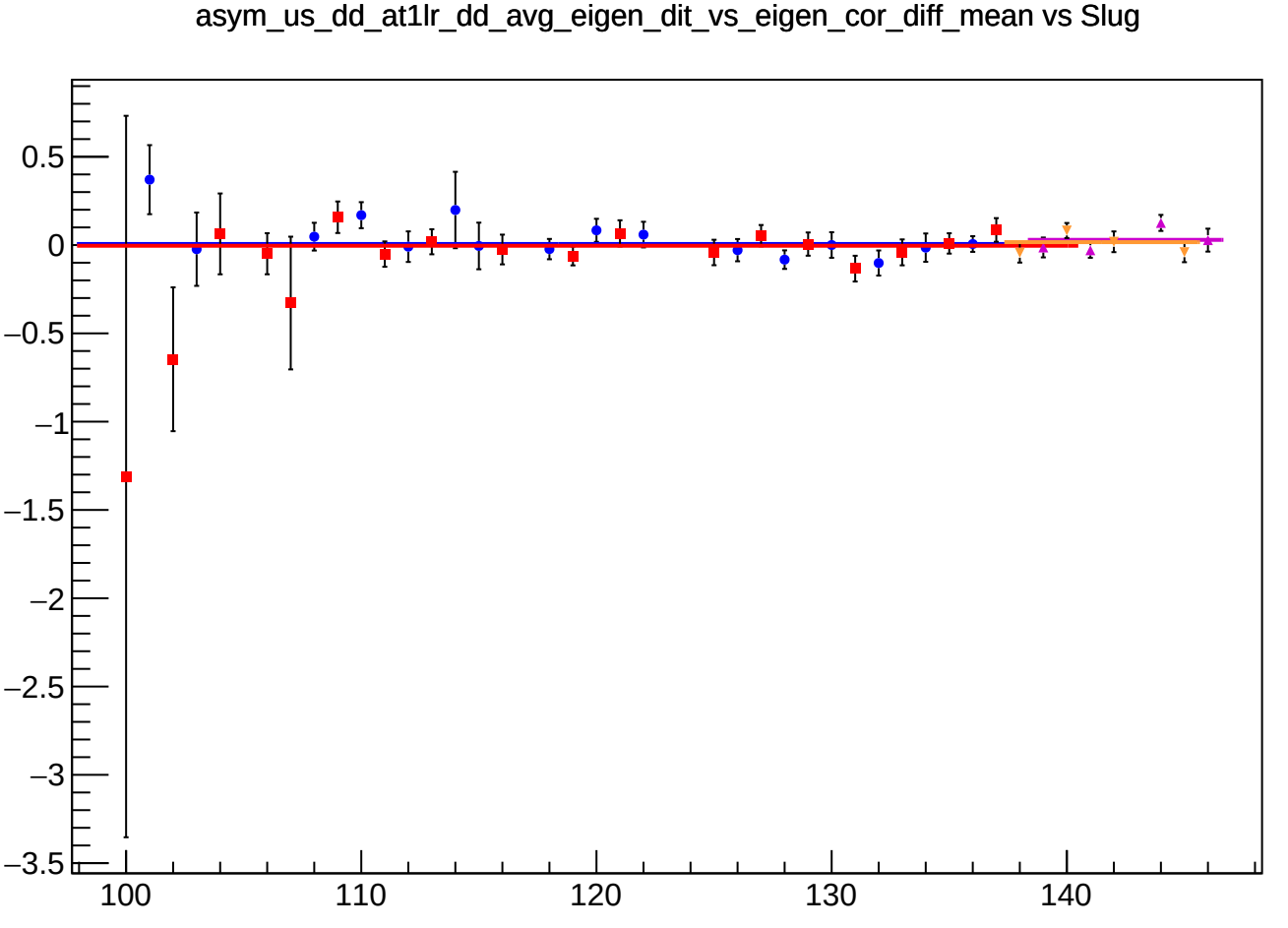
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 43.351+/-0.018 χ^2/NDF:148831.3/3

\+ sign 41.216+/-0.011 χ^2/NDF: 1584243.0/19

All: 41.749+/-0.007 χ^2/NDF: 3184983.0/41

\- sign 42.281+/-0.011 χ^2/NDF: 1595666.2/21



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.017+/-0.026 χ^2/NDF:4.5/3

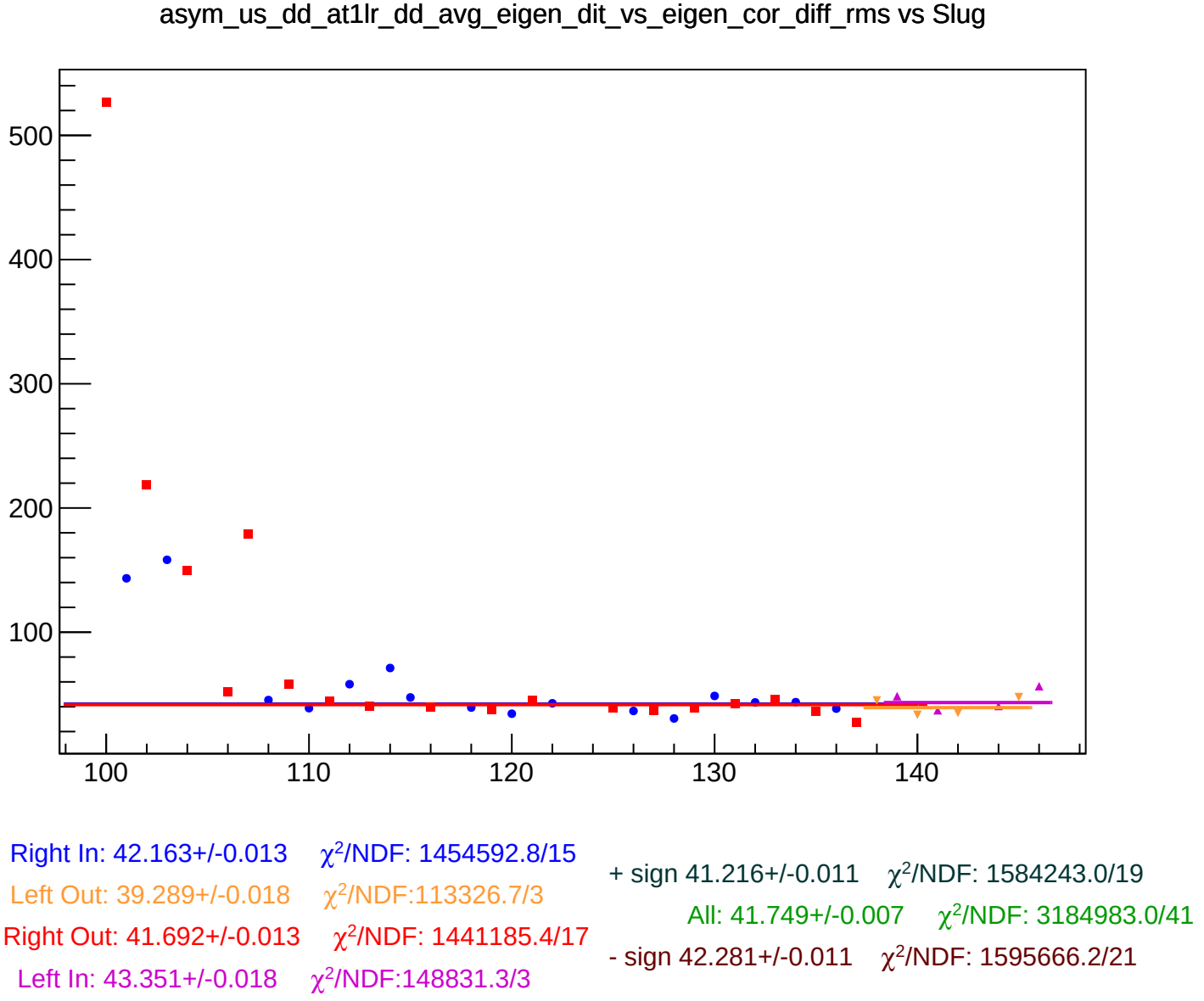
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

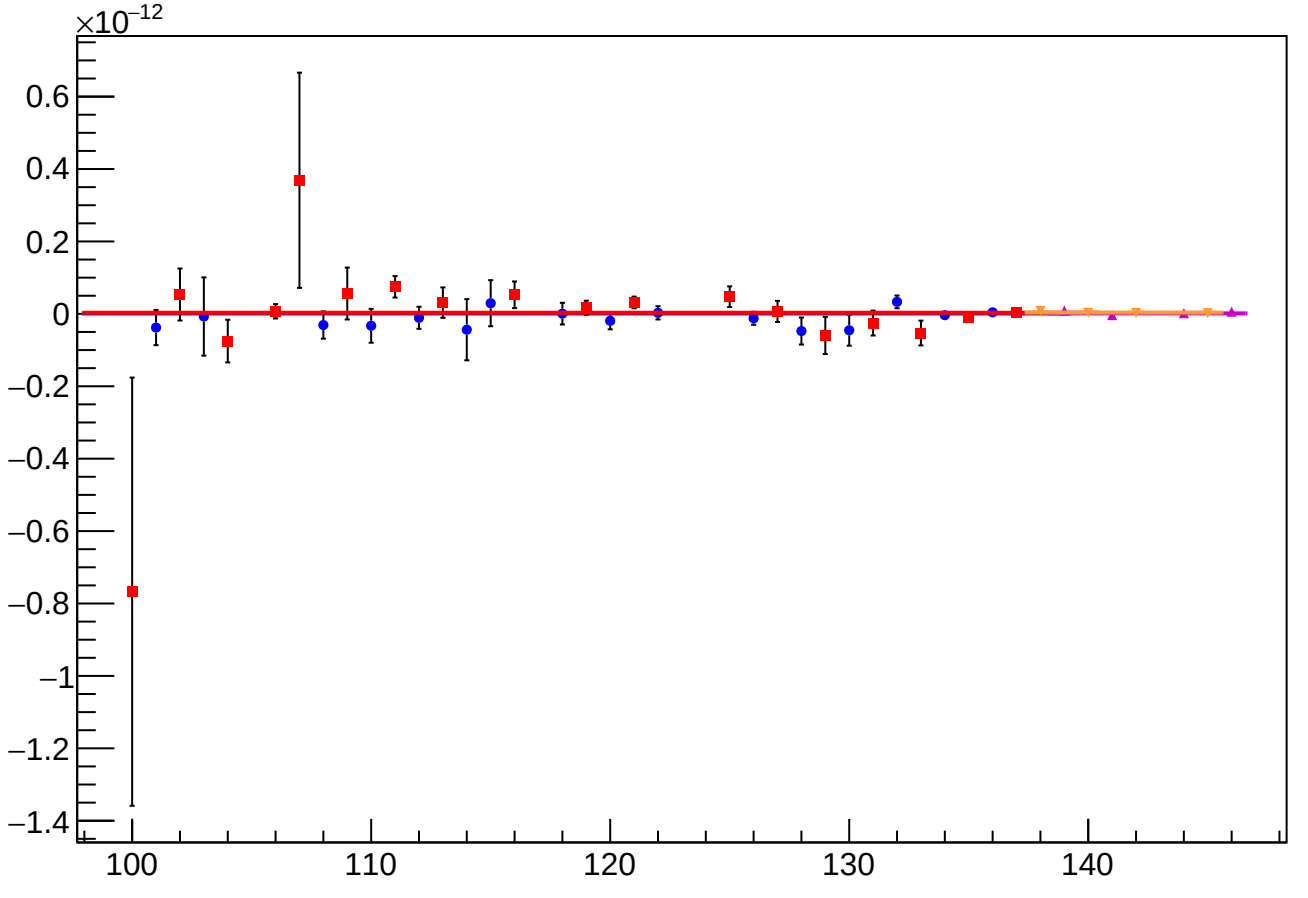
Left In: 0.029+/-0.025 χ^2/NDF:7.0/3

+ sign 0.010+/-0.015 χ^2/NDF: 21.9/19

All: 0.009+/-0.011 χ^2/NDF: 46.3/41

- sign 0.008+/-0.015 χ^2/NDF: 24.4/21


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
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 39.289+/-0.018 χ²/NDF:113326.7/3
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 43.351+/-0.018 χ²/NDF:148831.3/3
+ sign 41.216+/-0.011 χ²/NDF: 1584243.0/19
All: 41.749+/-0.007 χ²/NDF: 3184983.0/41
- sign 42.281+/-0.011 χ²/NDF: 1595666.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/3

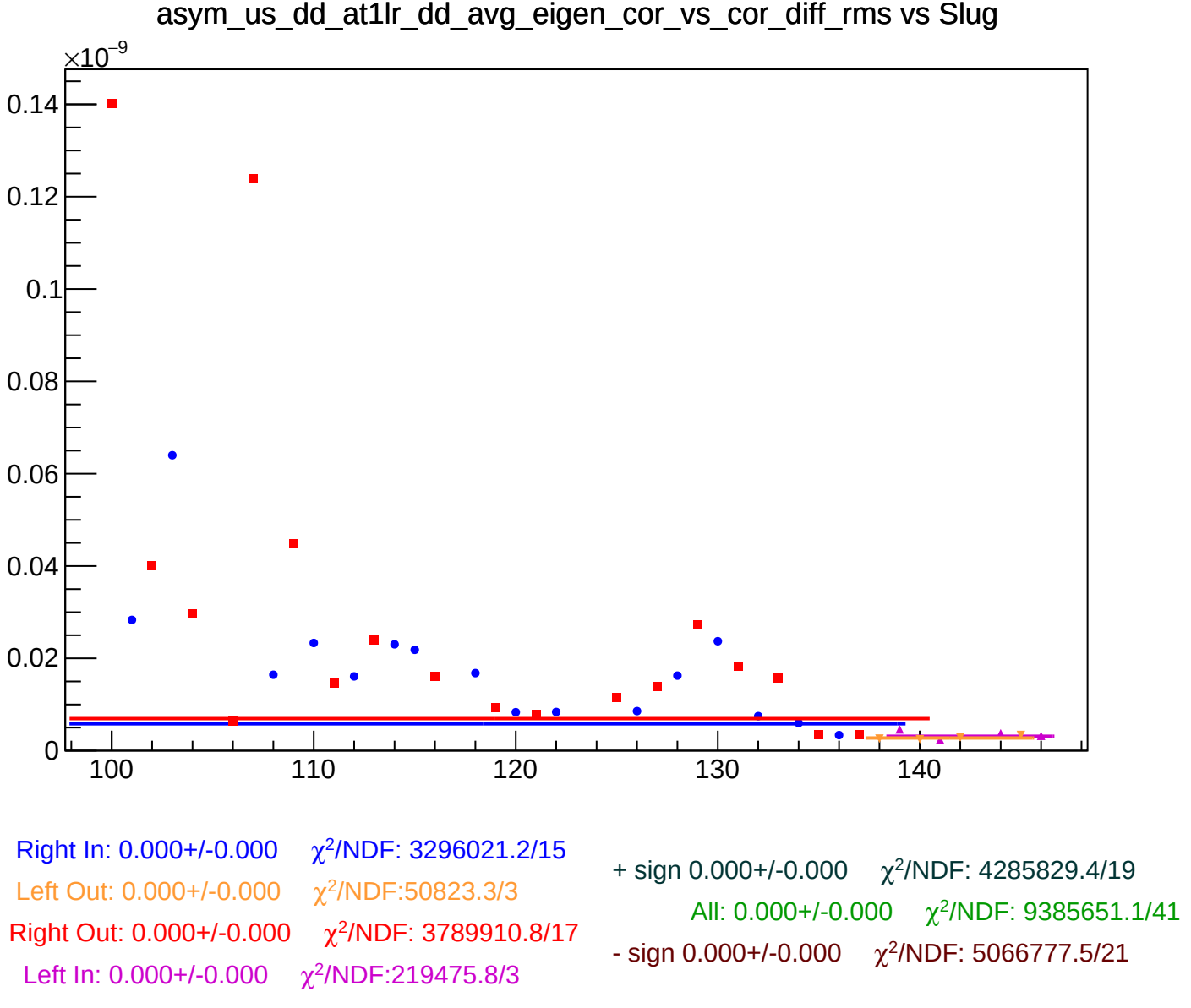
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/3

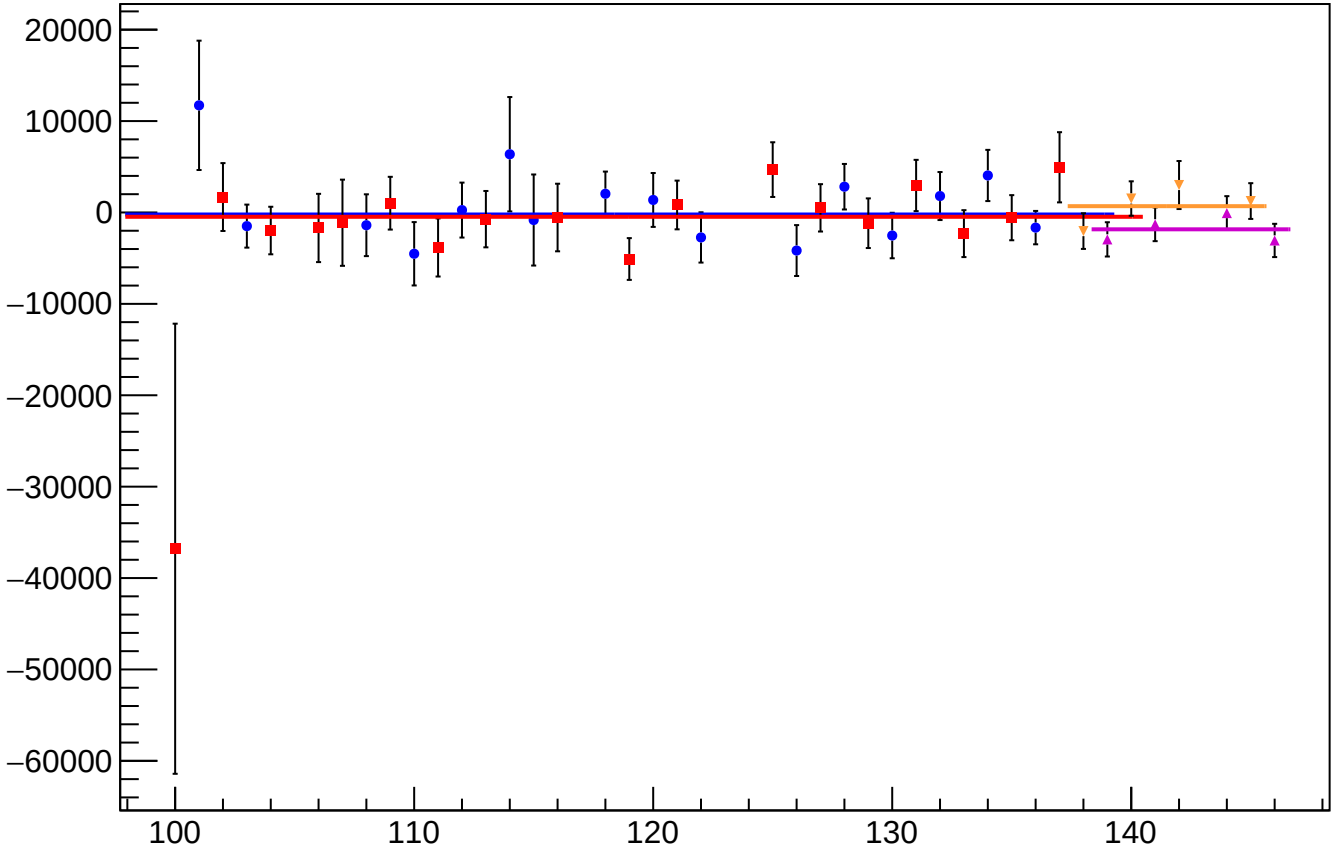
+ sign 0.000+/-0.000 χ^2/NDF: 12.1/19

All: 0.000+/-0.000 χ^2/NDF: 45.5/41

- sign 0.000+/-0.000 χ^2/NDF: 33.2/21


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
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:50823.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:219475.8/3
+ sign 0.000+/-0.000 χ²/NDF: 4285829.4/19
All: 0.000+/-0.000 χ²/NDF: 9385651.1/41
- sign 0.000+/-0.000 χ²/NDF: 5066777.5/21

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 688.979+/-1025.587 χ^2/NDF:3.0/3

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

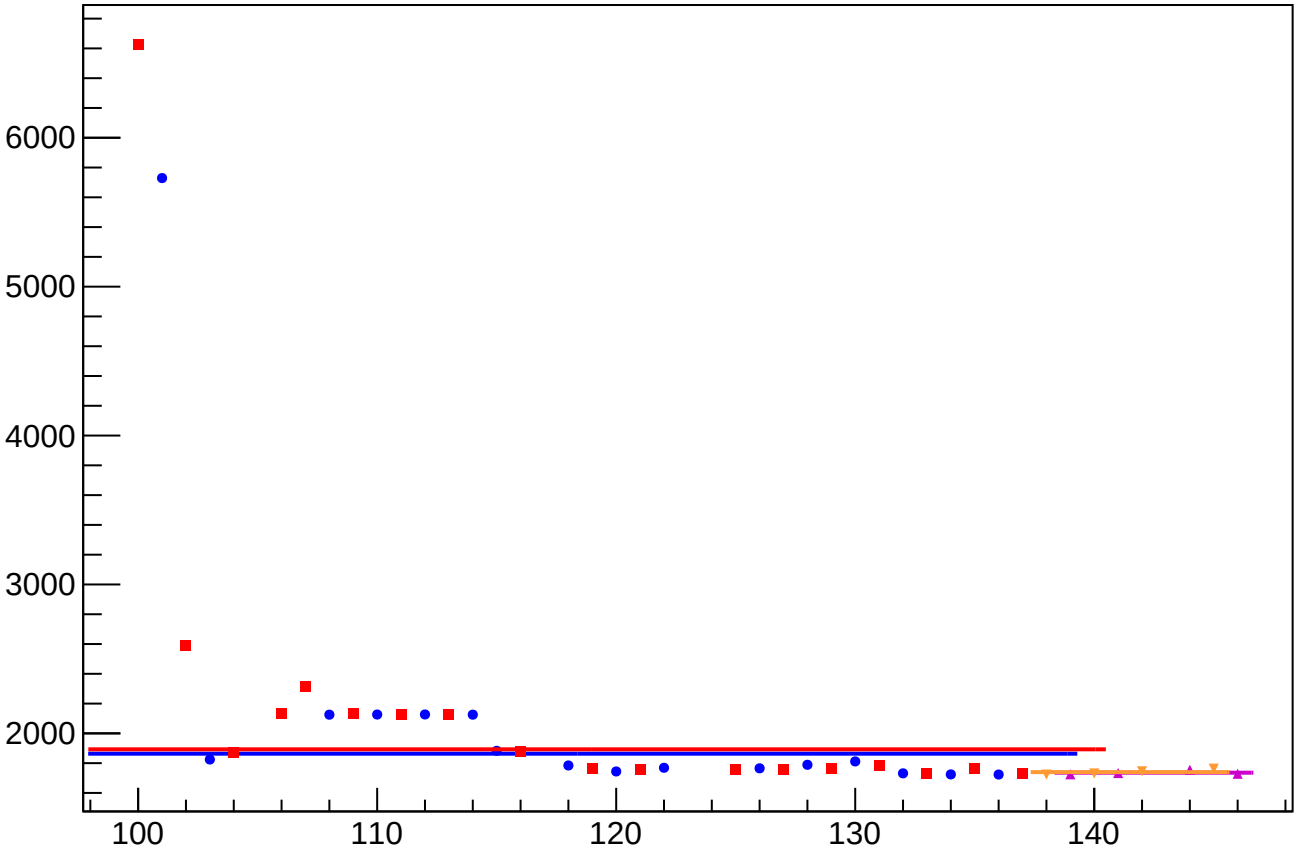
Left In: -1844.081+/-923.399 χ^2/NDF:1.8/3

+ sign 72.005+/-583.290 χ^2/NDF: 19.4/19

All: -473.812+/-405.303 χ^2/NDF: 40.1/41

- sign -983.379+/-563.588 χ^2/NDF: 19.1/21

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1739.657+/-0.725 χ^2/NDF:482.6/3

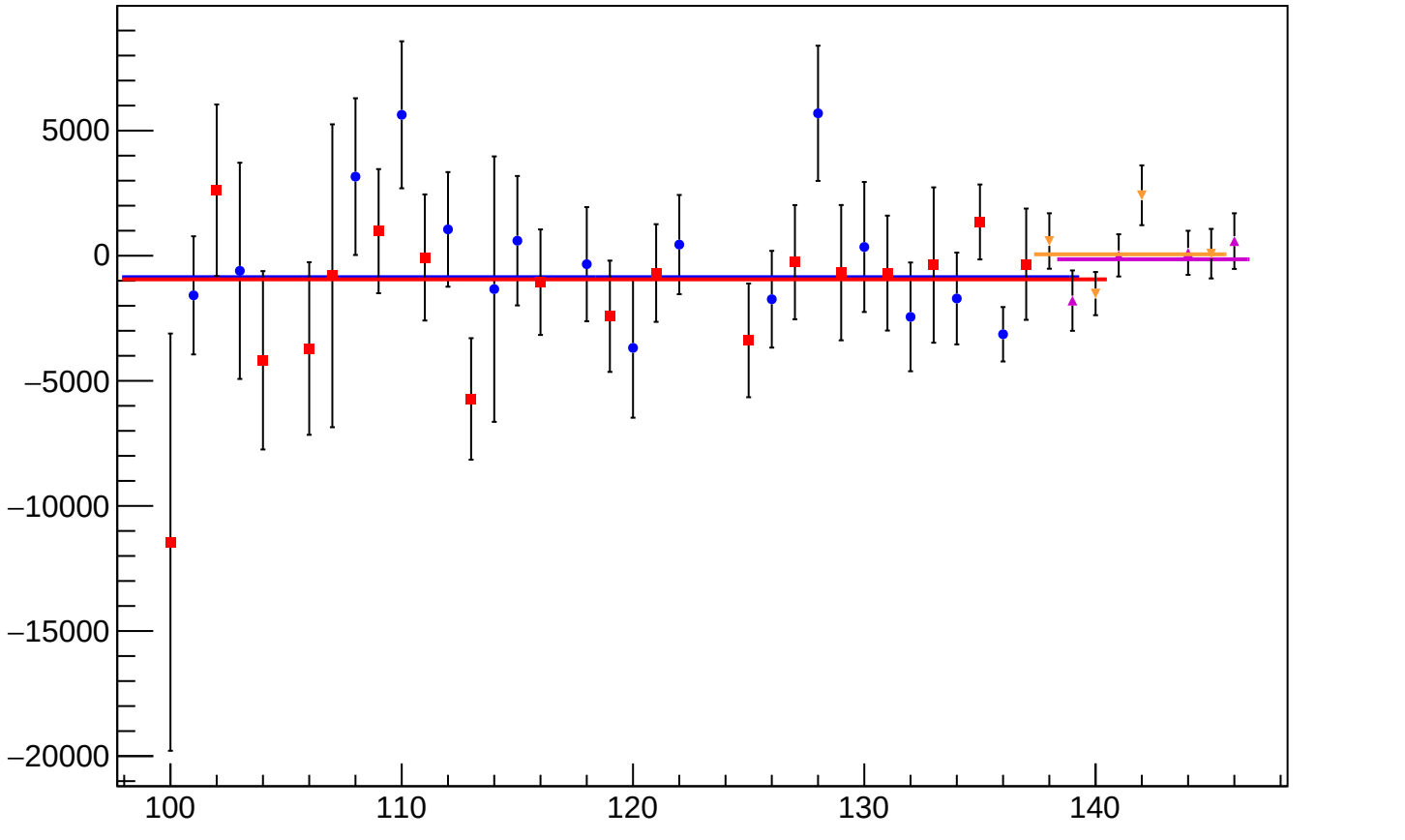
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

+ sign 1823.496+/-0.412 χ^2/NDF: 694903.5/19

All: 1829.138+/-0.287 χ^2/NDF: 983358.1/41

- sign 1834.405+/-0.399 χ^2/NDF: 288092.7/21



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: 57.118+/-508.067 χ^2/NDF:7.4/3

Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

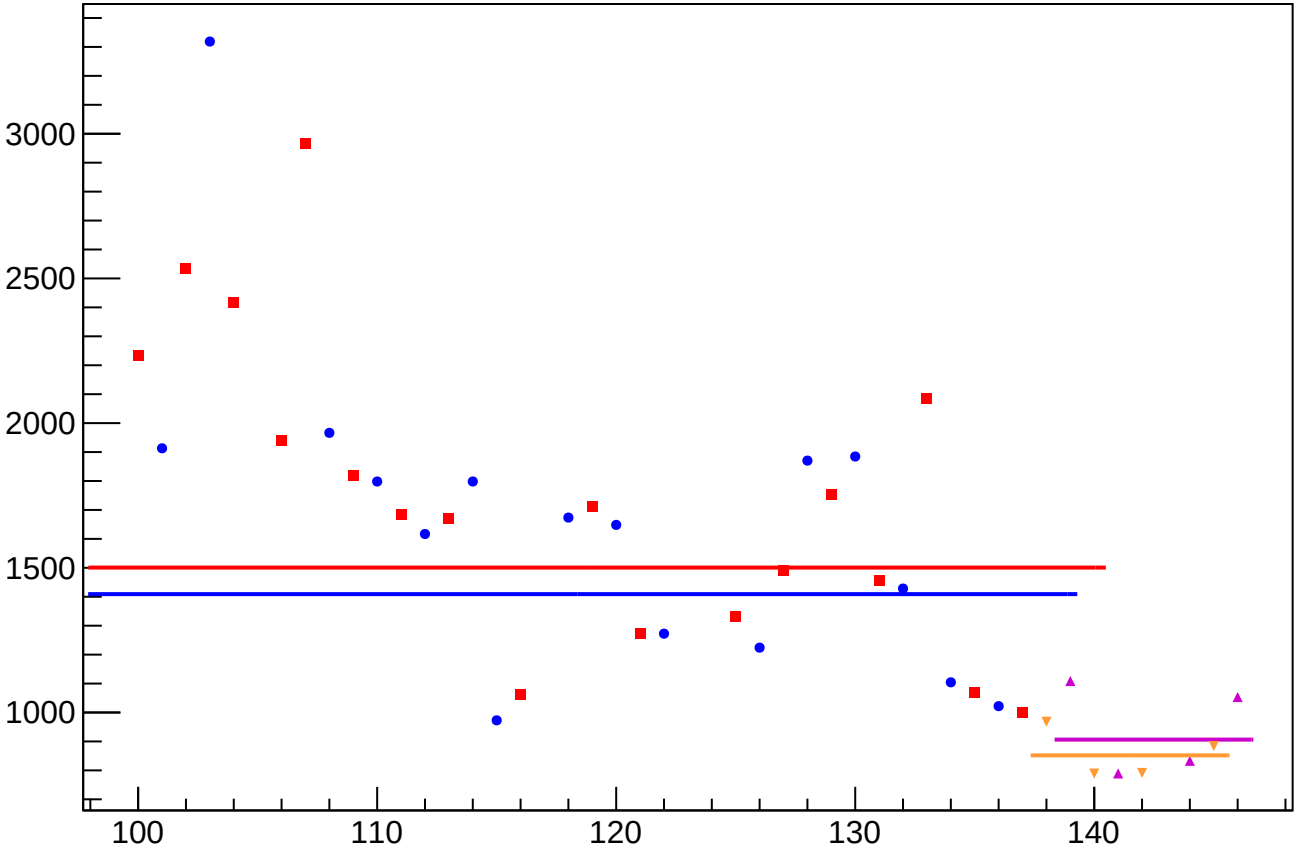
Left In: -141.633+/-488.683 χ^2/NDF:2.4/3

\+ sign -364.077+/-373.137 χ^2/NDF: 29.5/19

All: -417.999+/-264.424 χ^2/NDF: 46.0/41

\- sign -472.395+/-374.771 χ^2/NDF: 16.4/21

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 851.964+/-0.359 χ^2/NDF:39937.6/3

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

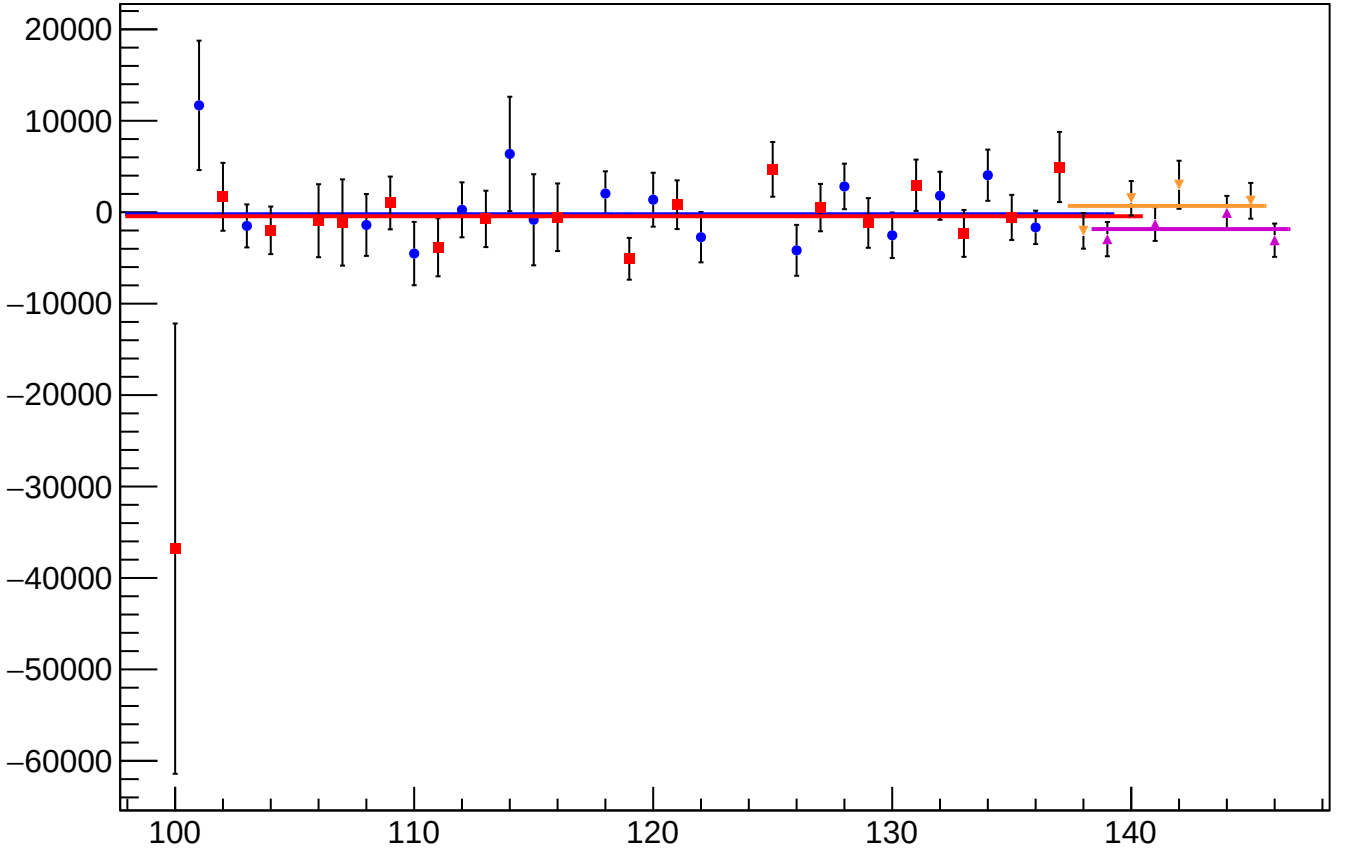
Left In: 906.364+/-0.346 χ^2/NDF:143669.2/3

+ sign 1108.589+/-0.264 χ^2/NDF: 2315404.1/19

All: 1129.797+/-0.187 χ^2/NDF: 4721645.2/41

- sign 1151.192+/-0.265 χ^2/NDF: 2393262.5/21

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 689.103+/-1025.587 χ^2/NDF:3.0/3

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

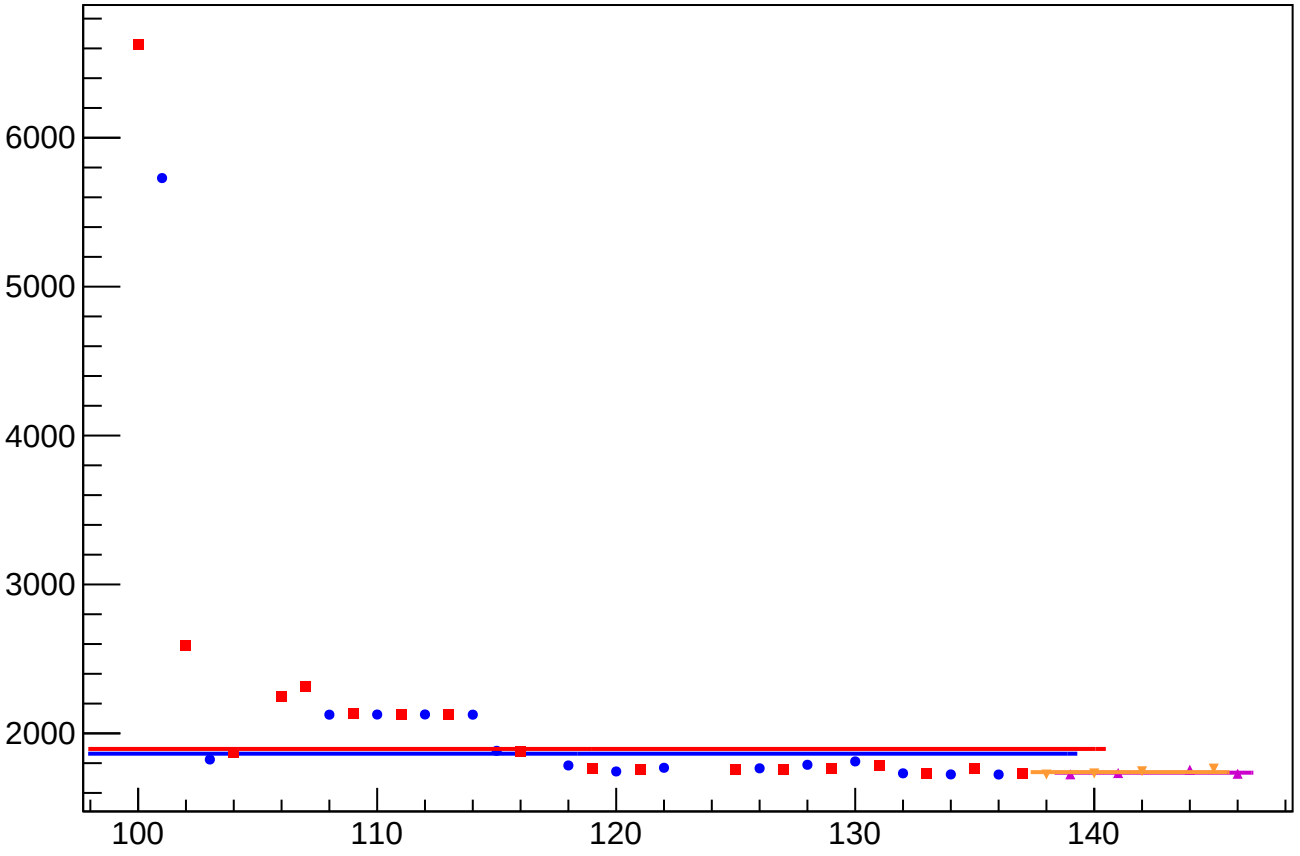
Left In: -1844.060+/-923.399 χ^2/NDF:1.8/3

+ sign 71.521+/-583.290 χ^2/NDF: 19.4/19

All: -464.536+/-405.602 χ^2/NDF: 40.0/41

- sign -966.424+/-564.393 χ^2/NDF: 19.0/21

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1739.657+/-0.725 χ^2/NDF:482.6/3

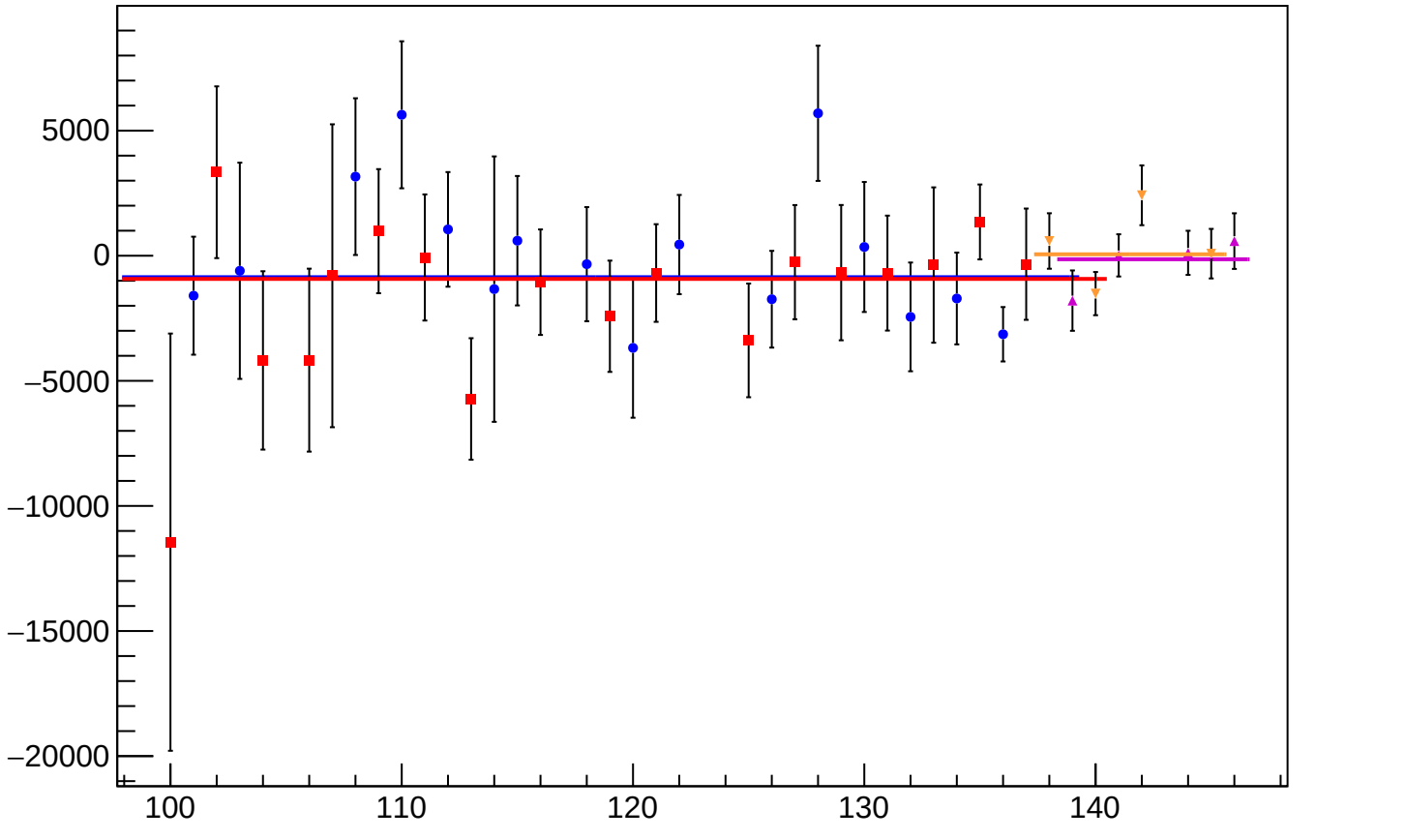
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

+ sign 1823.496+/-0.412 χ^2/NDF: 694903.4/19

All: 1829.893+/-0.287 χ^2/NDF: 992280.2/41

- sign 1835.883+/-0.399 χ^2/NDF: 296911.0/21



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 57.092+/-508.070 χ^2/NDF:7.4/3

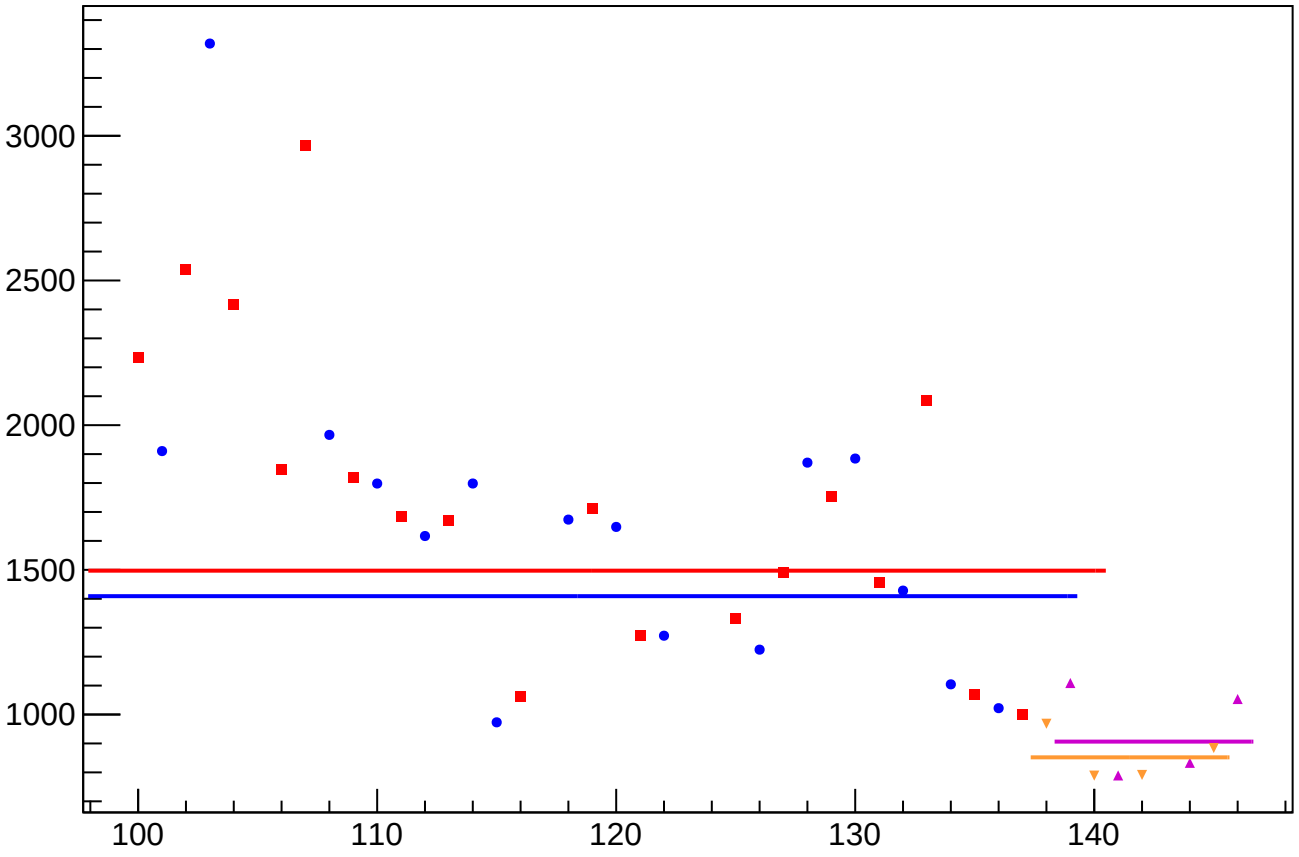
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -141.719+/-488.678 χ^2/NDF:2.4/3

\+ sign -364.508+/-373.125 χ^2/NDF: 29.5/19

All: -414.314+/-264.504 χ^2/NDF: 46.6/41

\- sign -464.625+/-375.011 χ^2/NDF: 17.0/21



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 851.971+/-0.359 χ^2/NDF:39921.6/3

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

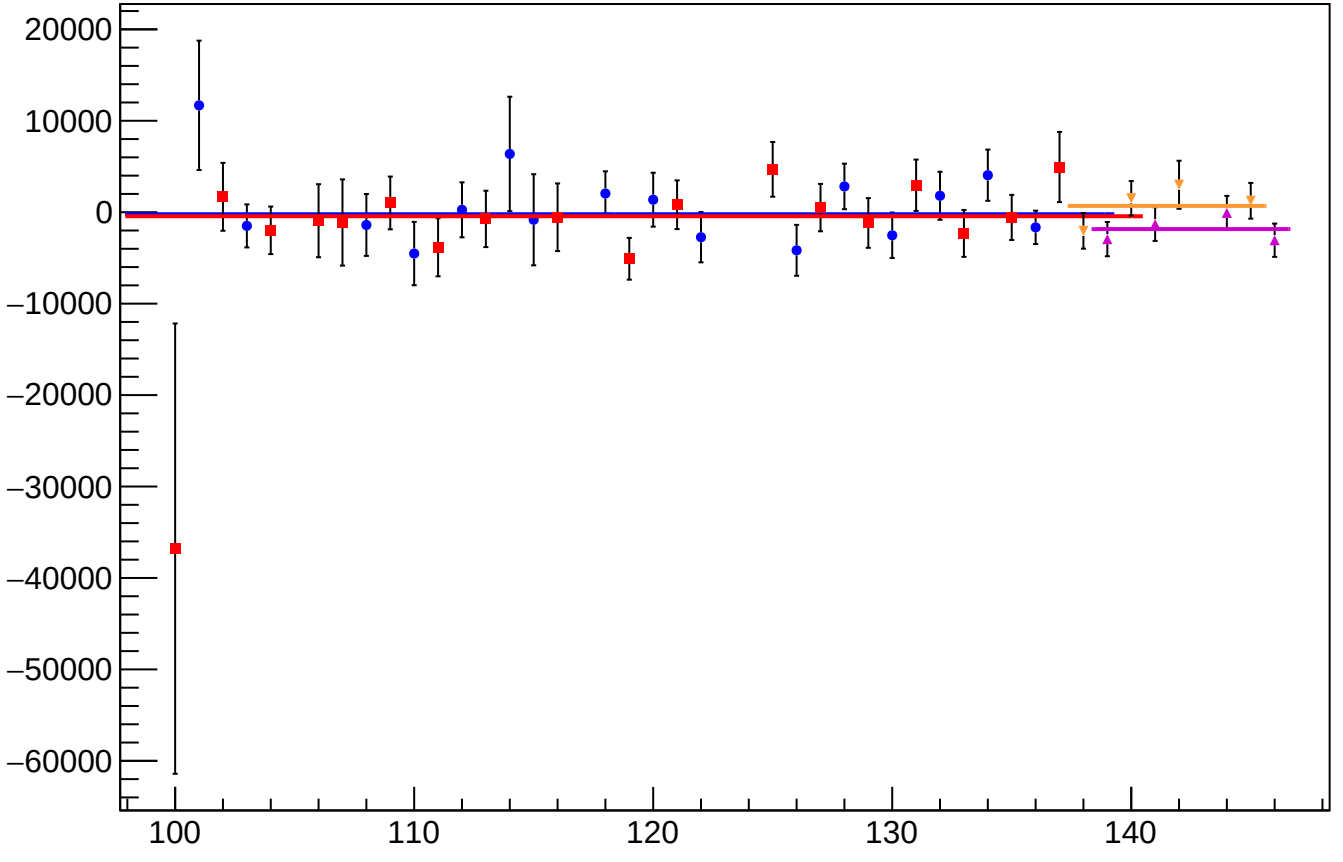
Left In: 906.355+/-0.346 χ^2/NDF:143676.9/3

+ sign 1108.580+/-0.264 χ^2/NDF: 2314501.3/19

All: 1128.802+/-0.187 χ^2/NDF: 4689824.6/41

- sign 1149.229+/-0.265 χ^2/NDF: 2363514.7/21

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: 689.103+/-1025.587 χ^2/NDF:3.0/3

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

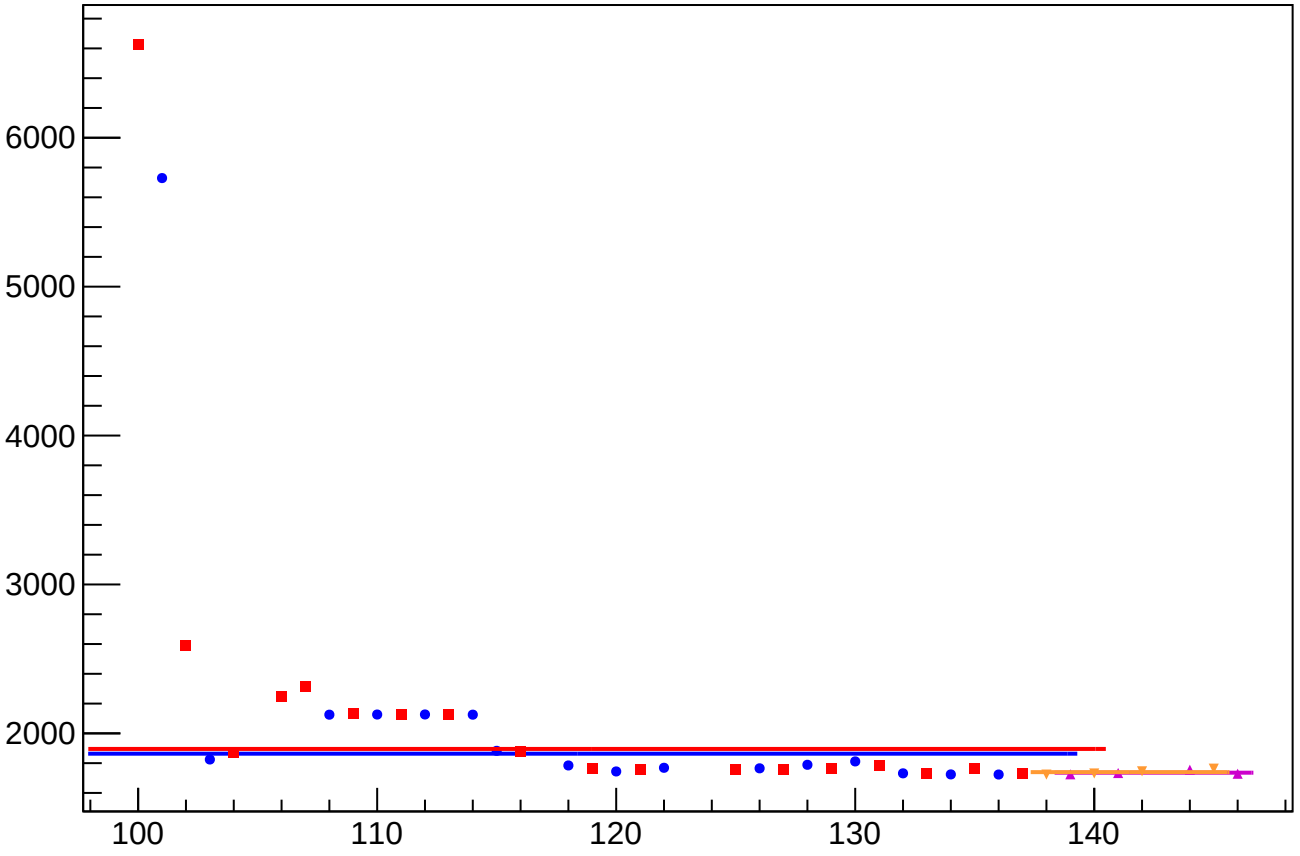
Left In: -1844.060+/-923.399 χ^2/NDF:1.8/3

+ sign 71.521+/-583.290 χ^2/NDF: 19.4/19

All: -464.536+/-405.602 χ^2/NDF: 40.0/41

- sign -966.424+/-564.393 χ^2/NDF: 19.0/21

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: 1739.657+/-0.725 χ^2/NDF:482.6/3

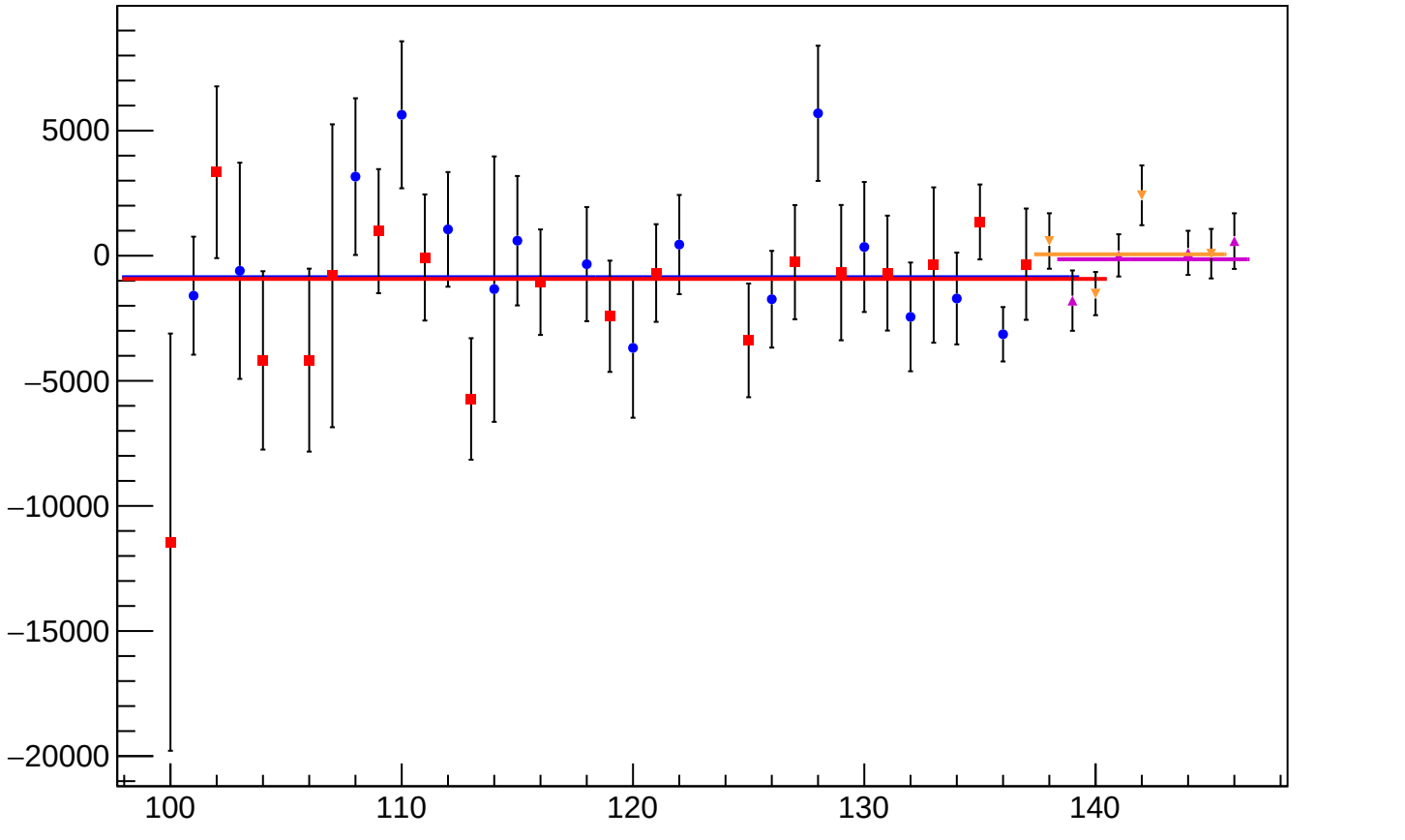
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

+ sign 1823.496+/-0.412 χ^2/NDF: 694903.4/19

All: 1829.893+/-0.287 χ^2/NDF: 992280.2/41

- sign 1835.883+/-0.399 χ^2/NDF: 296911.0/21



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 57.092+/-508.070 χ^2/NDF:7.4/3

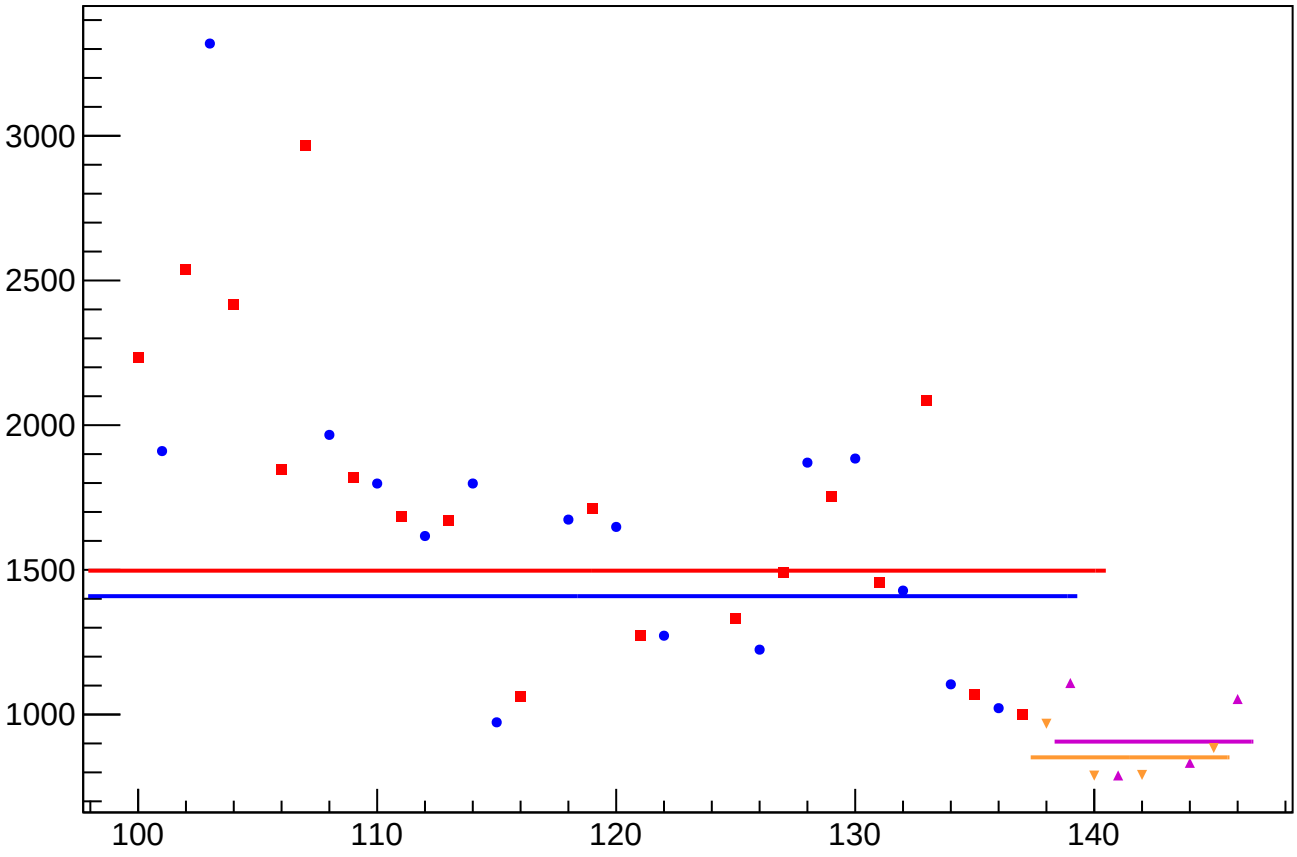
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -141.719+/-488.678 χ^2/NDF:2.4/3

\+ sign -364.508+/-373.125 χ^2/NDF: 29.5/19

All: -414.314+/-264.504 χ^2/NDF: 46.6/41

\- sign -464.625+/-375.011 χ^2/NDF: 17.0/21



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 851.971+/-0.359 χ^2/NDF:39921.6/3

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

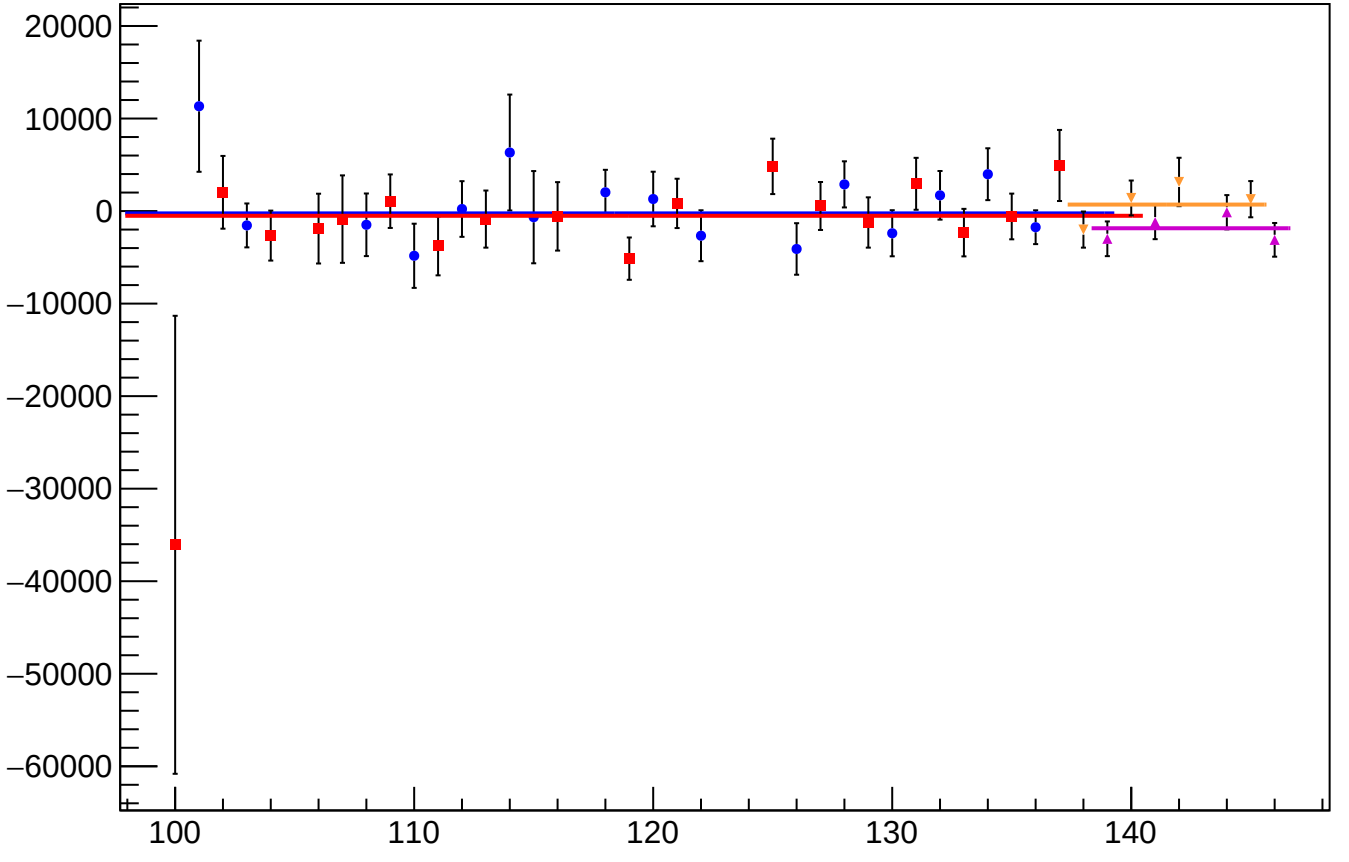
Left In: 906.355+/-0.346 χ^2/NDF:143676.9/3

+ sign 1108.580+/-0.264 χ^2/NDF: 2314501.3/19

All: 1128.802+/-0.187 χ^2/NDF: 4689824.6/41

- sign 1149.229+/-0.265 χ^2/NDF: 2363514.7/21

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 701.562+/-1025.526 χ^2/NDF:3.0/3

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

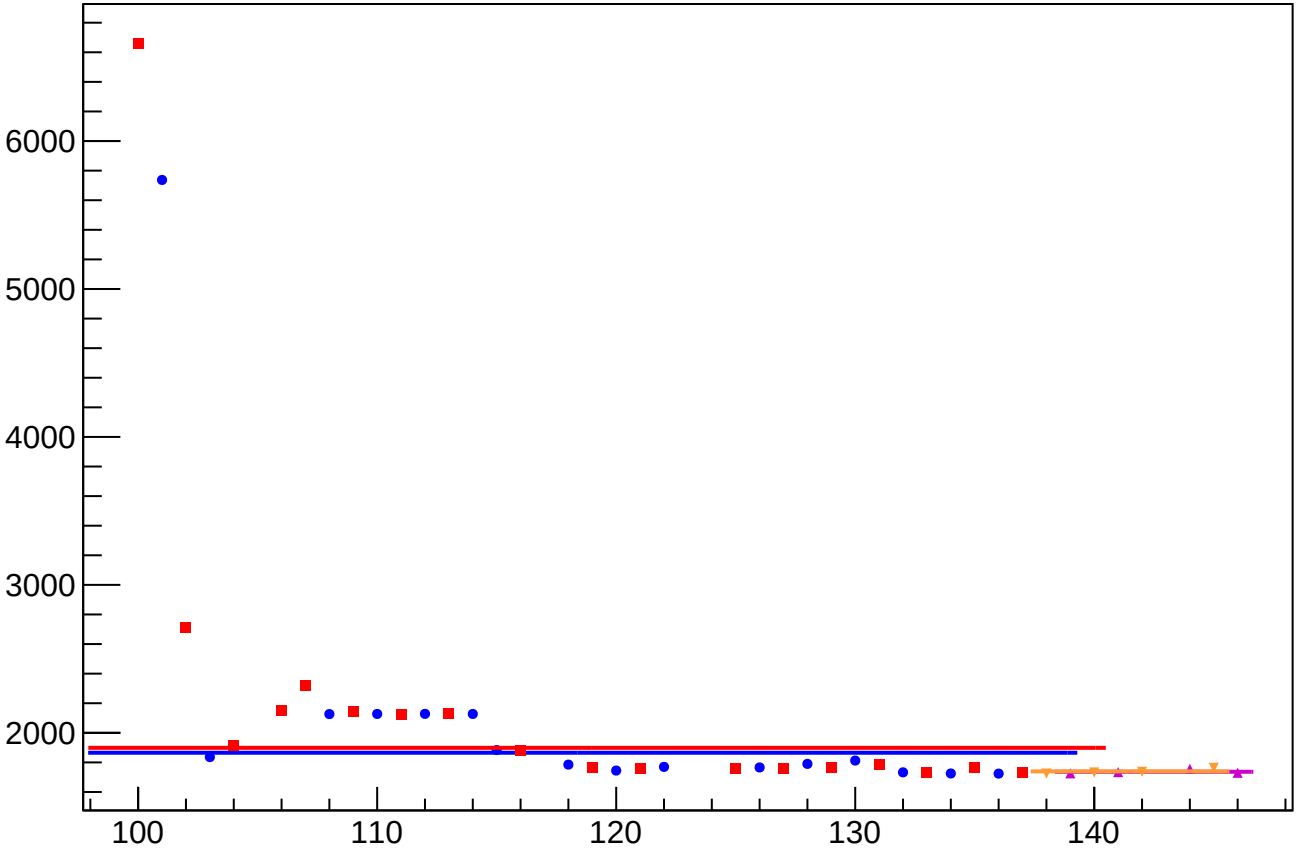
Left In: -1857.713+/-923.850 χ^2/NDF:1.8/3

+ sign 56.934+/-583.736 χ^2/NDF: 19.3/19

All: -496.052+/-406.221 χ^2/NDF: 40.6/41

- sign -1015.316+/-565.657 χ^2/NDF: 19.6/21

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1739.384+/-0.725 χ^2/NDF:456.1/3

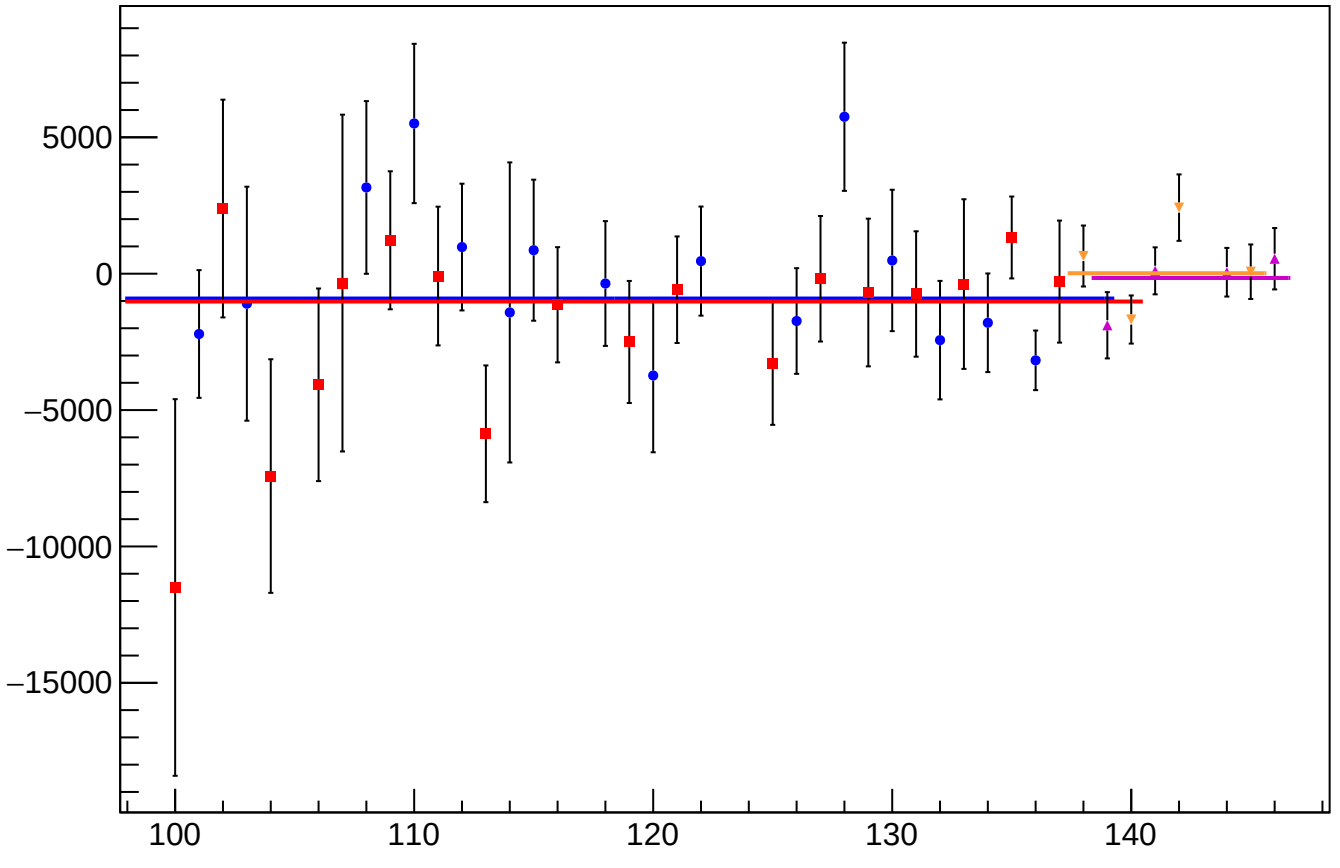
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.781+/-0.653 χ^2/NDF:330.7/3

+ sign 1824.598+/-0.413 χ^2/NDF: 695873.1/19

All: 1831.478+/-0.287 χ^2/NDF: 1004210.8/41

- sign 1837.938+/-0.400 χ^2/NDF: 307799.0/21



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: 17.191+/-515.674 χ^2/NDF:7.9/3

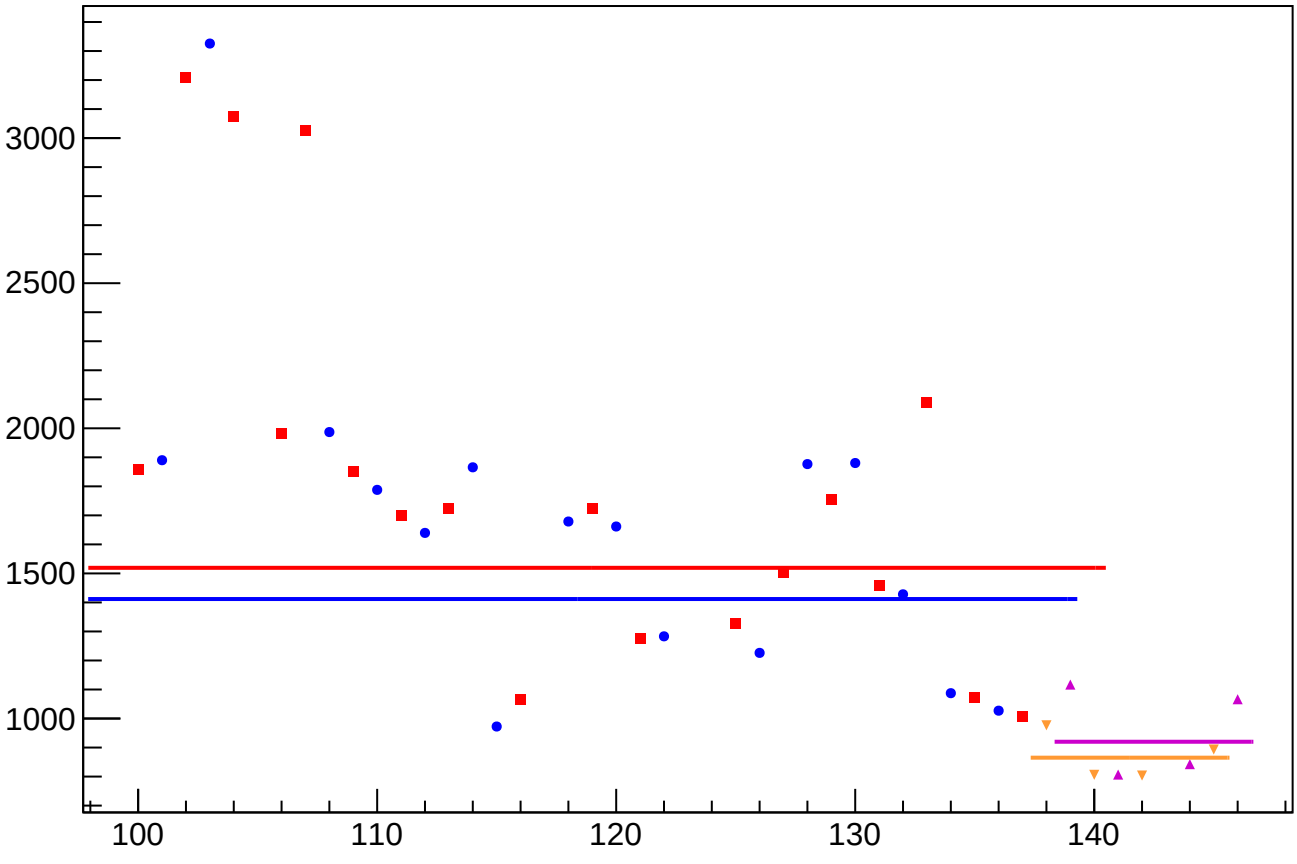
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -157.071+/-495.590 χ^2/NDF:2.6/3

\+ sign -416.315+/-376.454 χ^2/NDF: 30.4/19

All: -464.202+/-267.404 χ^2/NDF: 49.2/41

\- sign -512.971+/-379.904 χ^2/NDF: 18.8/21



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 865.110+/-0.365 χ^2/NDF:35587.1/3

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

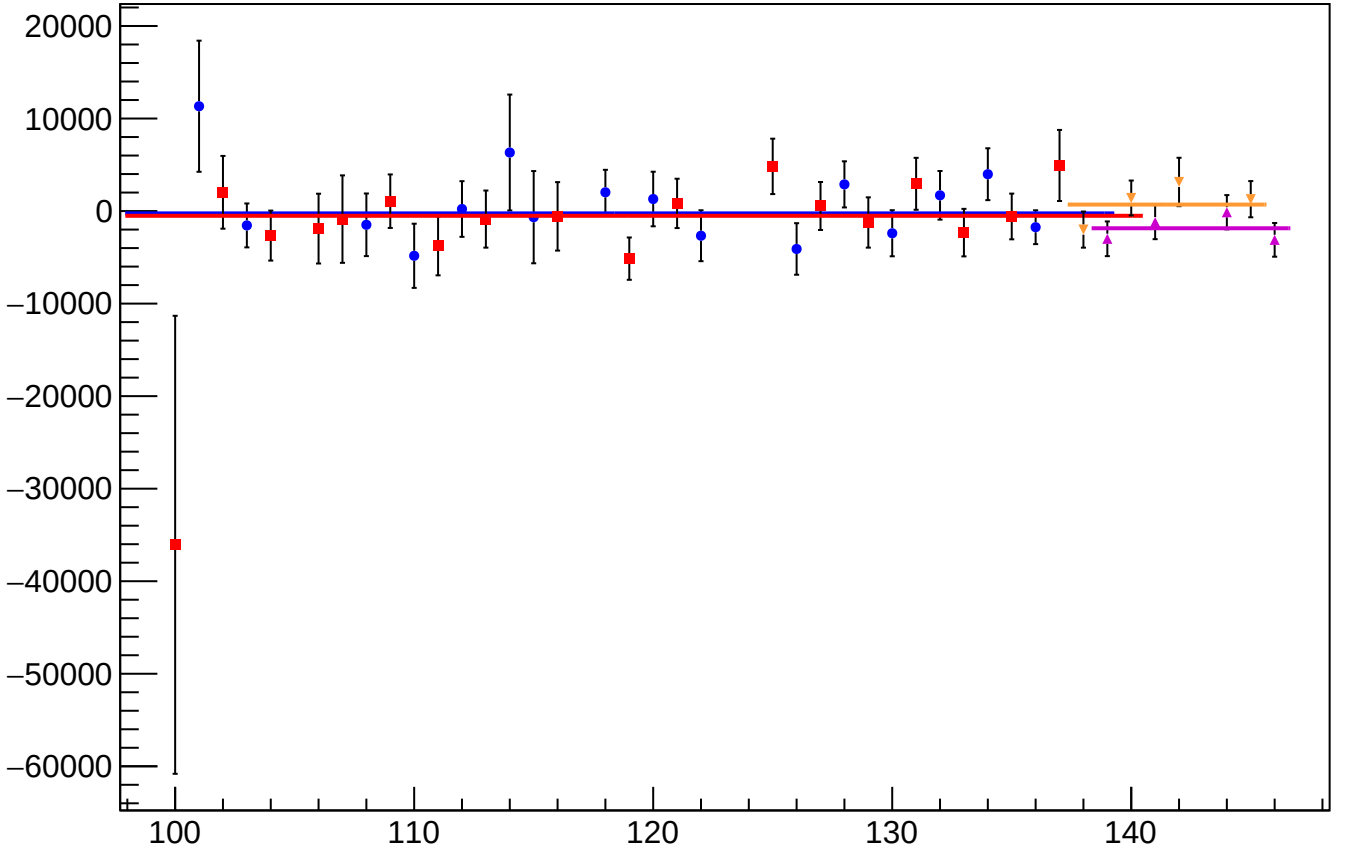
Left In: 920.001+/-0.350 χ^2/NDF:135914.8/3

+ sign 1120.426+/-0.266 χ^2/NDF: 2263014.5/19

All: 1143.569+/-0.189 χ^2/NDF: 4980394.6/41

- sign 1167.138+/-0.269 χ^2/NDF: 2702124.1/21

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: 701.562+/-1025.526 χ^2/NDF:3.0/3

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

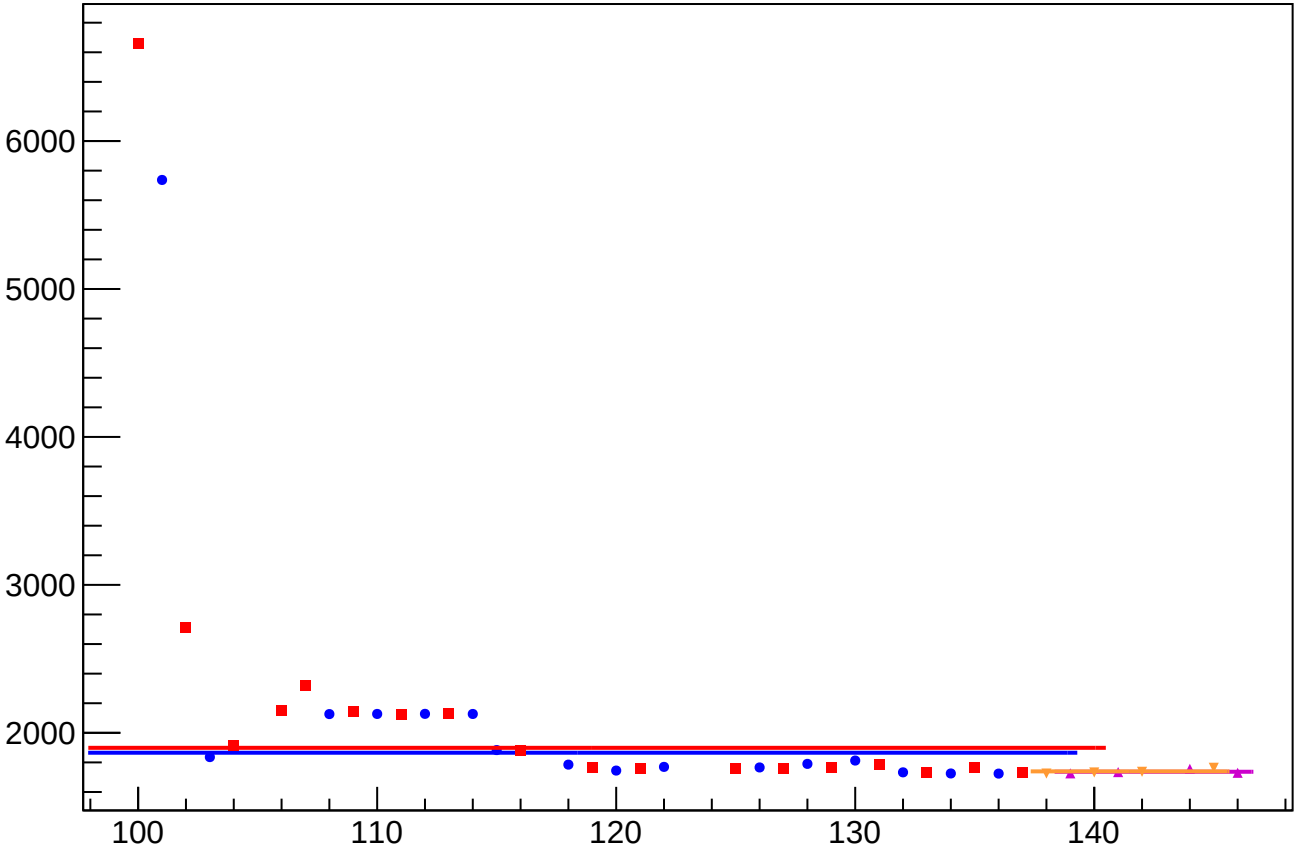
Left In: -1857.715+/-923.850 χ^2/NDF:1.8/3

+ sign 56.934+/-583.736 χ^2/NDF: 19.3/19

All: -496.053+/-406.221 χ^2/NDF: 40.6/41

- sign -1015.317+/-565.657 χ^2/NDF: 19.6/21

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: 1739.384+/-0.725 χ^2/NDF:456.1/3

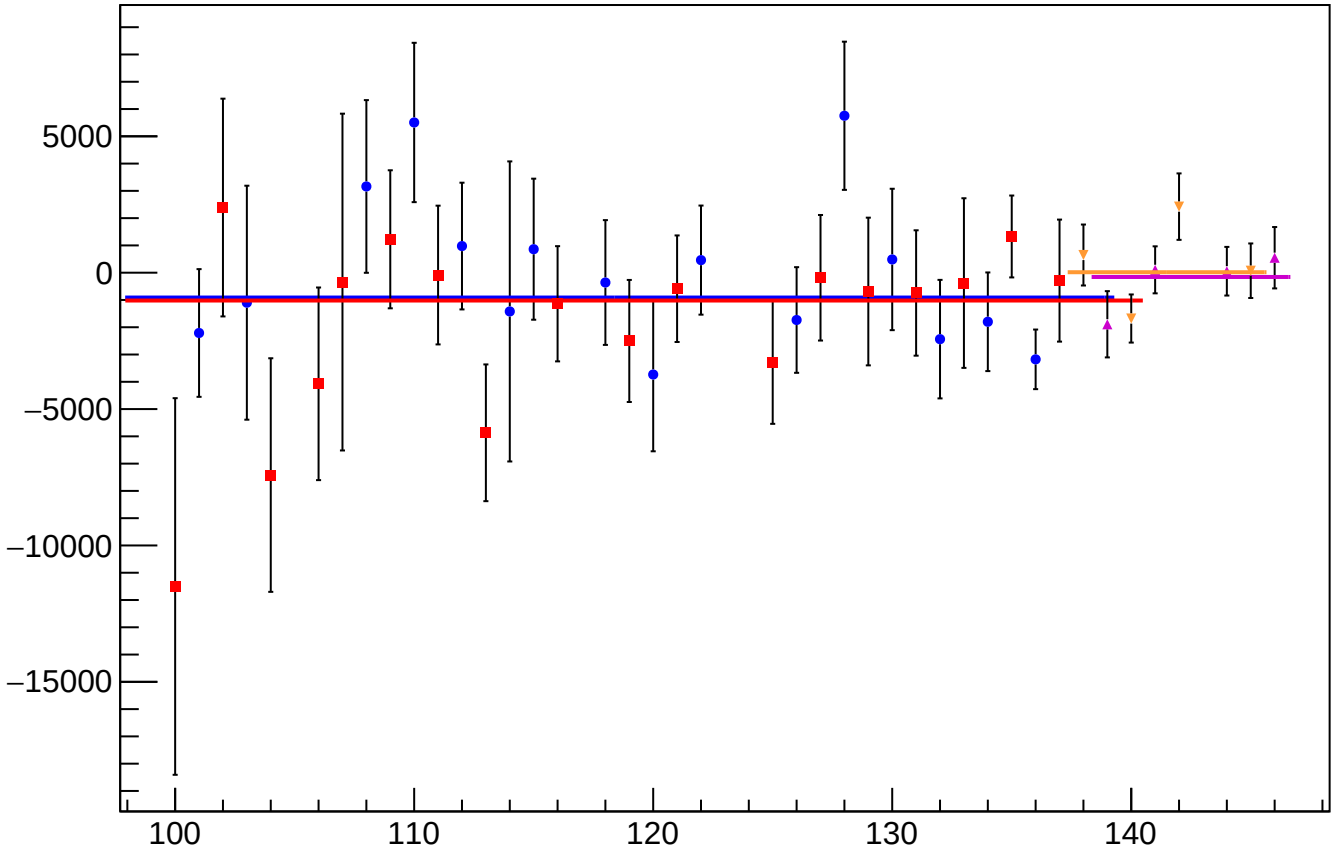
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.781+/-0.653 χ^2/NDF:330.7/3

+ sign 1824.598+/-0.413 χ^2/NDF: 695873.1/19

All: 1831.478+/-0.287 χ^2/NDF: 1004210.5/41

- sign 1837.938+/-0.400 χ^2/NDF: 307798.7/21



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: 17.186+/-515.673 χ^2/NDF:7.9/3

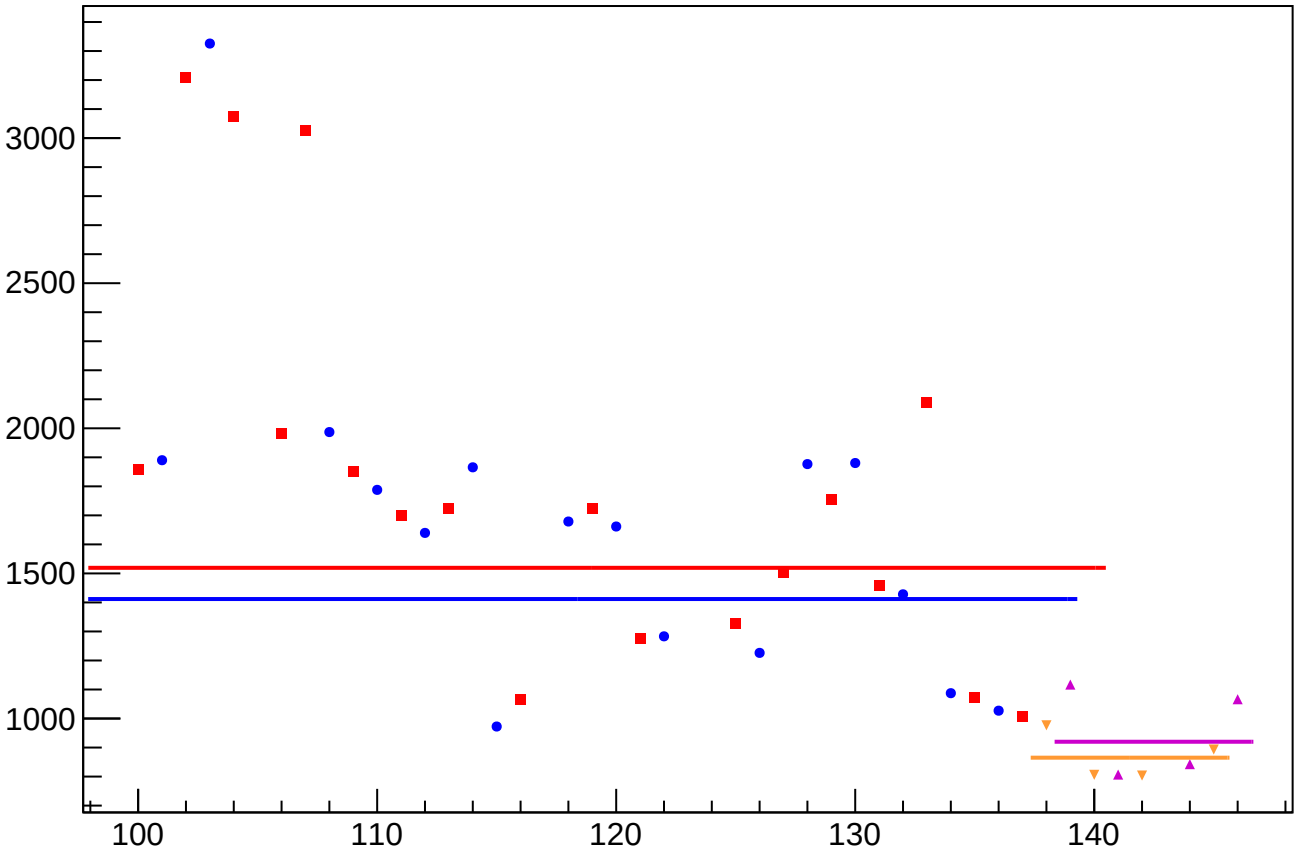
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -157.071+/-495.590 χ^2/NDF:2.6/3

+ sign -416.315+/-376.453 χ^2/NDF: 30.4/19

All: -464.202+/-267.404 χ^2/NDF: 49.2/41

- sign -512.970+/-379.903 χ^2/NDF: 18.8/21



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 865.108+/-0.365 χ^2/NDF:35588.2/3

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

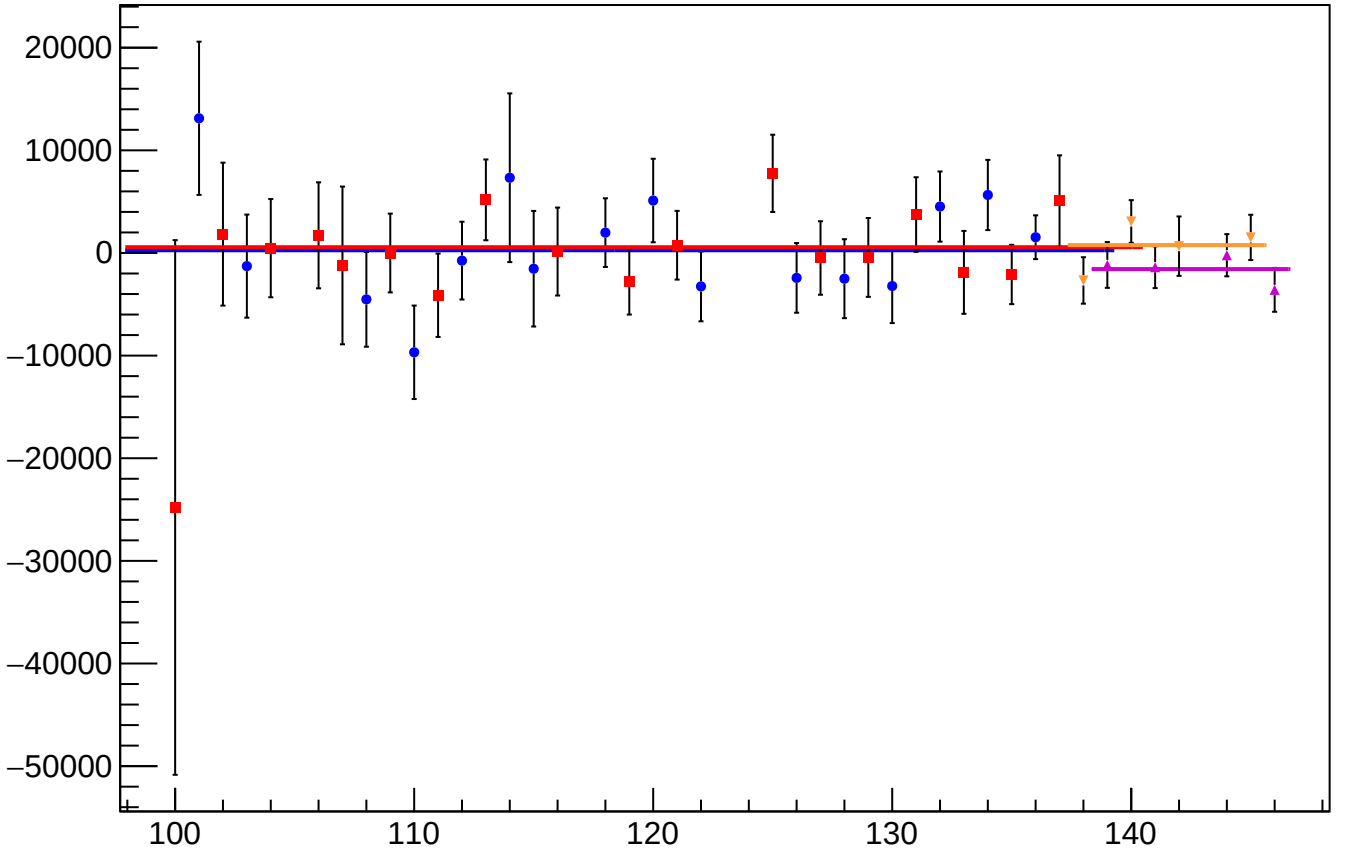
Left In: 919.999+/-0.350 χ^2/NDF:135918.3/3

+ sign 1120.424+/-0.266 χ^2/NDF: 2263017.3/19

All: 1143.567+/-0.189 χ^2/NDF: 4980403.0/41

- sign 1167.136+/-0.269 χ^2/NDF: 2702128.9/21

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 767.600+/-1153.869 χ^2/NDF:3.7/3

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

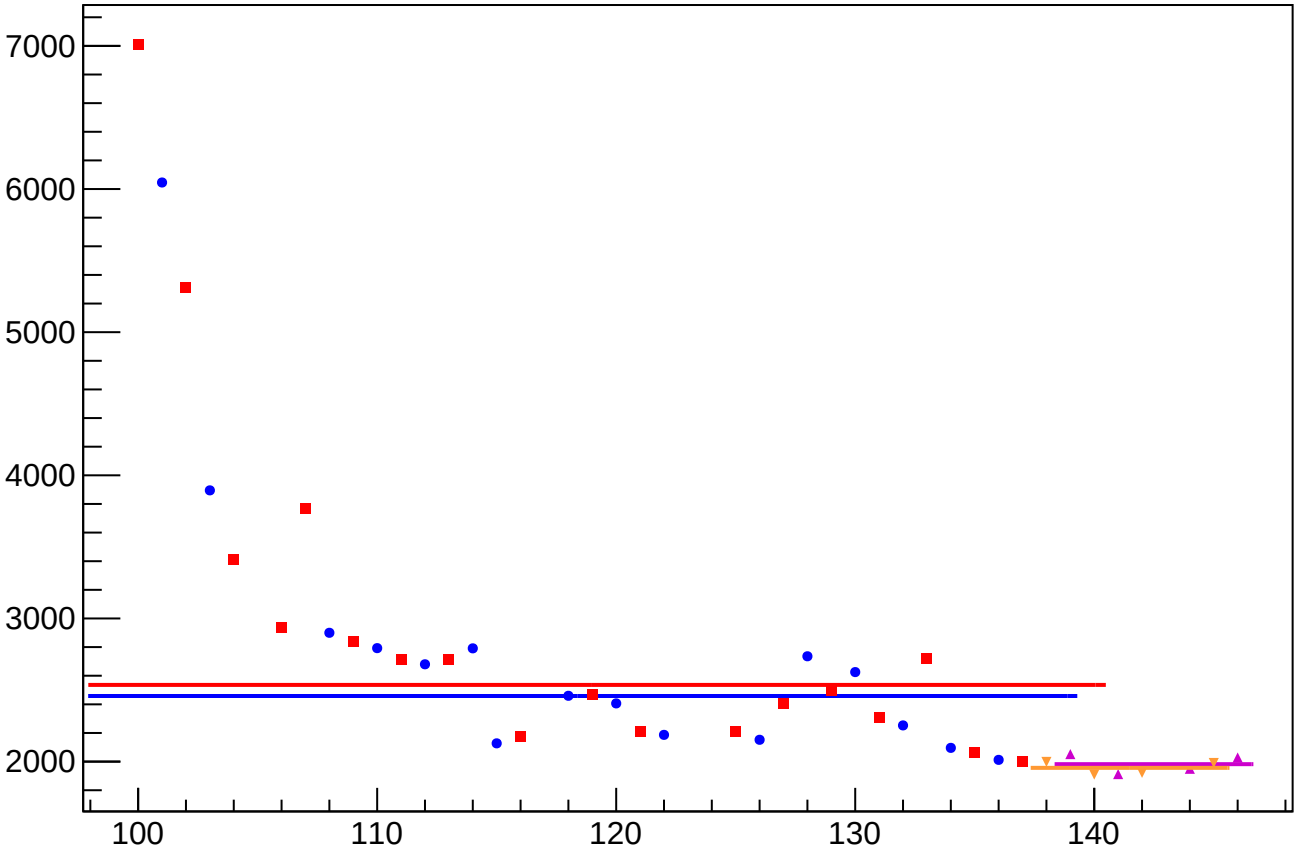
Left In: -1568.887+/-1054.886 χ^2/NDF:1.4/3

+ sign 465.631+/-729.701 χ^2/NDF: 22.8/19

All: 18.048+/-509.306 χ^2/NDF: 38.9/41

- sign -407.117+/-711.191 χ^2/NDF: 15.3/21

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1956.347+/-0.816 χ^2/NDF:2461.1/3

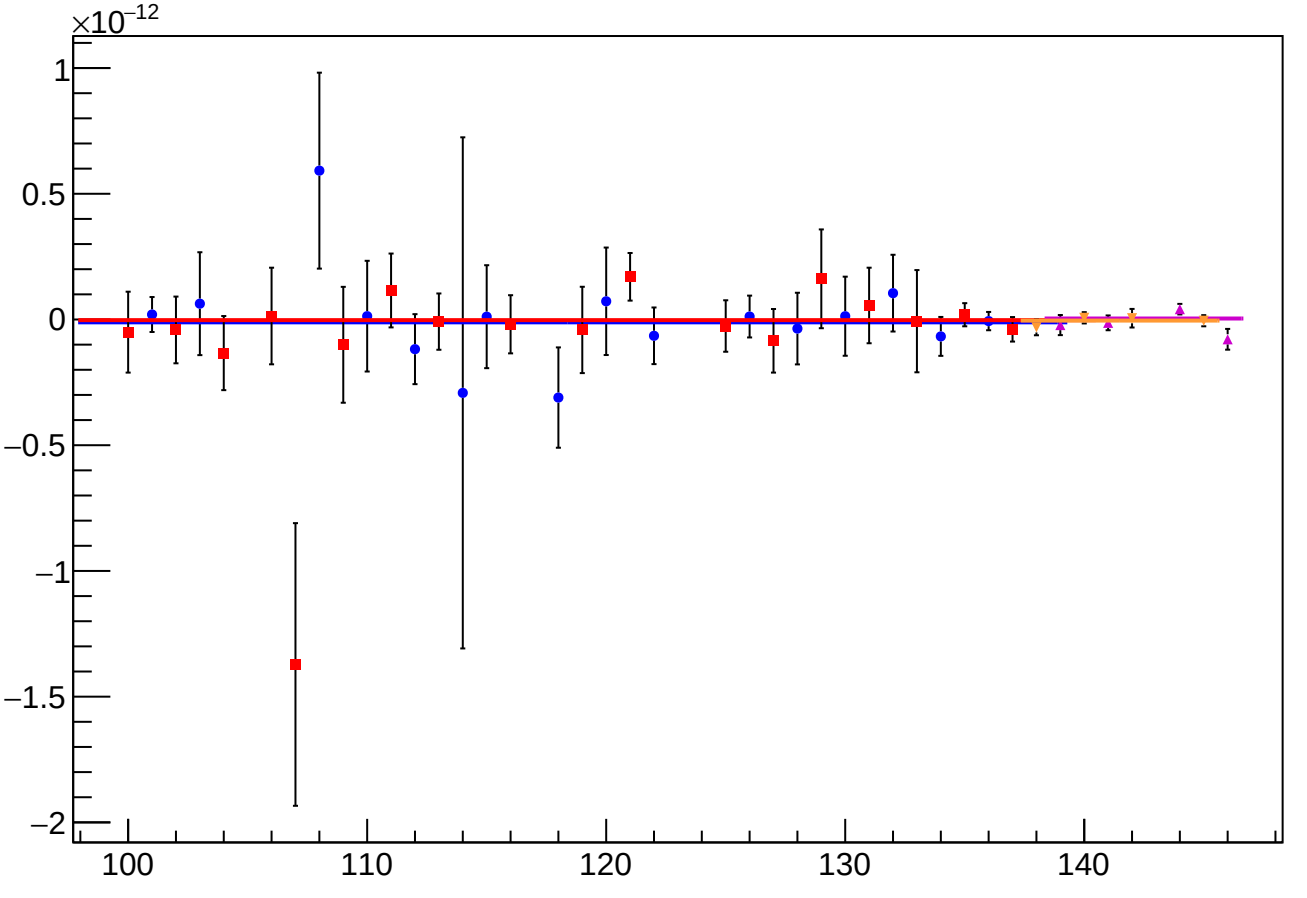
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1982.082+/-0.746 χ^2/NDF:5759.9/3

+ sign 2257.576+/-0.516 χ^2/NDF: 1062495.4/19

All: 2271.184+/-0.360 χ^2/NDF: 2043515.5/41

- sign 2284.111+/-0.503 χ^2/NDF: 979663.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.1/3

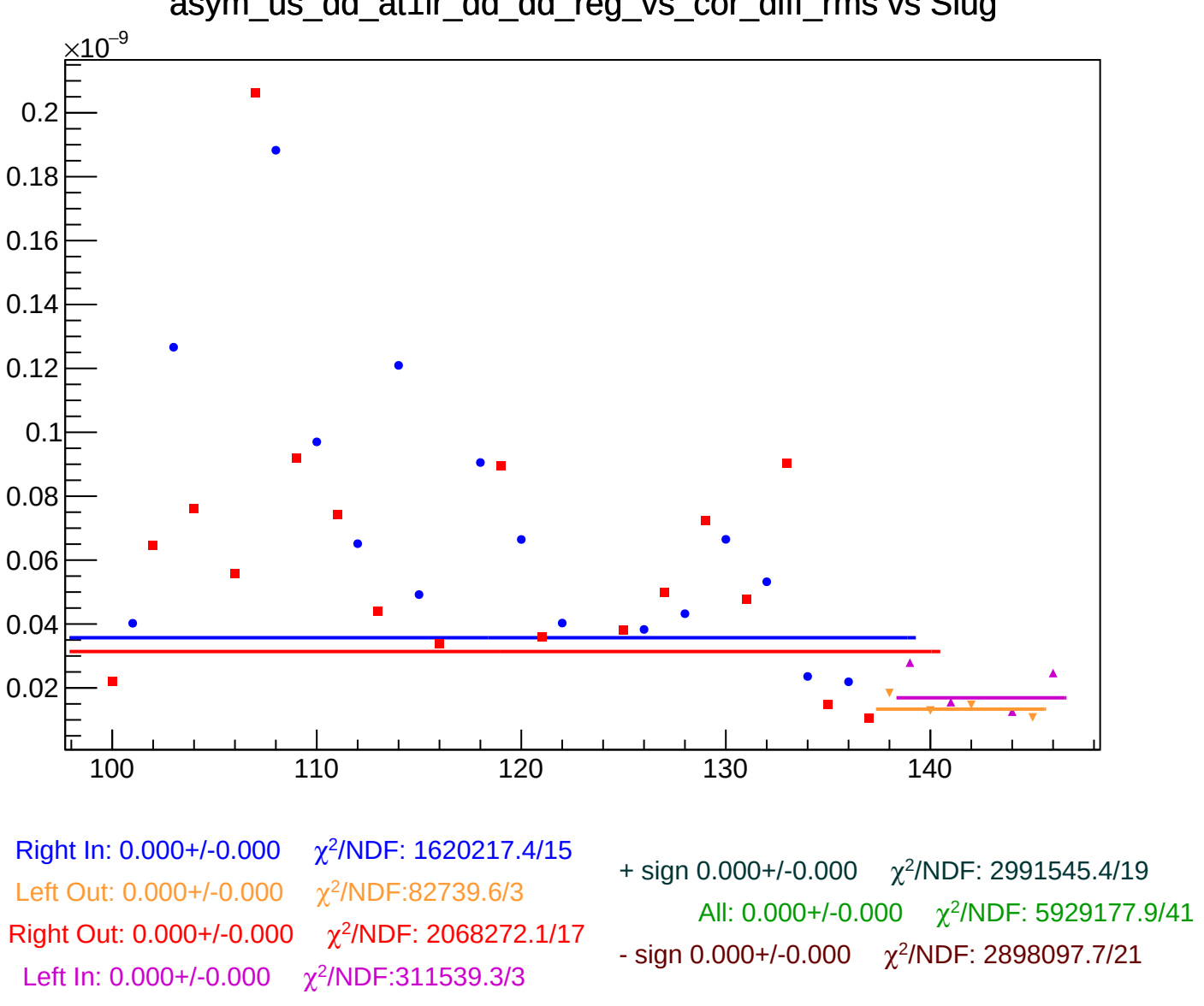
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

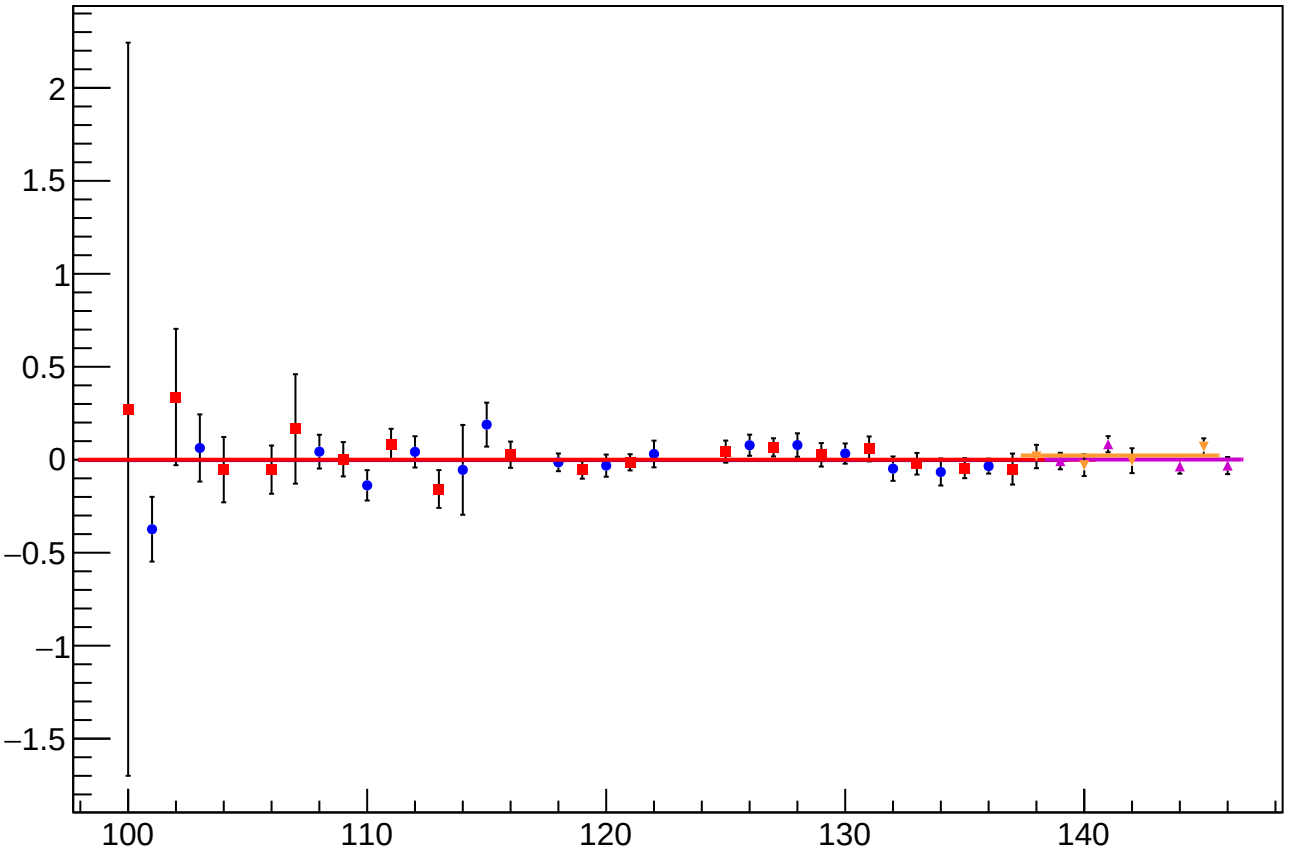
Left In: 0.000+/-0.000 χ^2/NDF:7.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 8.4/19

All: -0.000+/-0.000 χ^2/NDF: 29.8/41

- sign 0.000+/-0.000 χ^2/NDF: 21.2/21


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:82739.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:311539.3/3
+ sign 0.000+/-0.000 χ²/NDF: 2991545.4/19
All: 0.000+/-0.000 χ²/NDF: 5929177.9/41
- sign 0.000+/-0.000 χ²/NDF: 2898097.7/21



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.023+/-0.028 χ^2/NDF:2.1/3

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

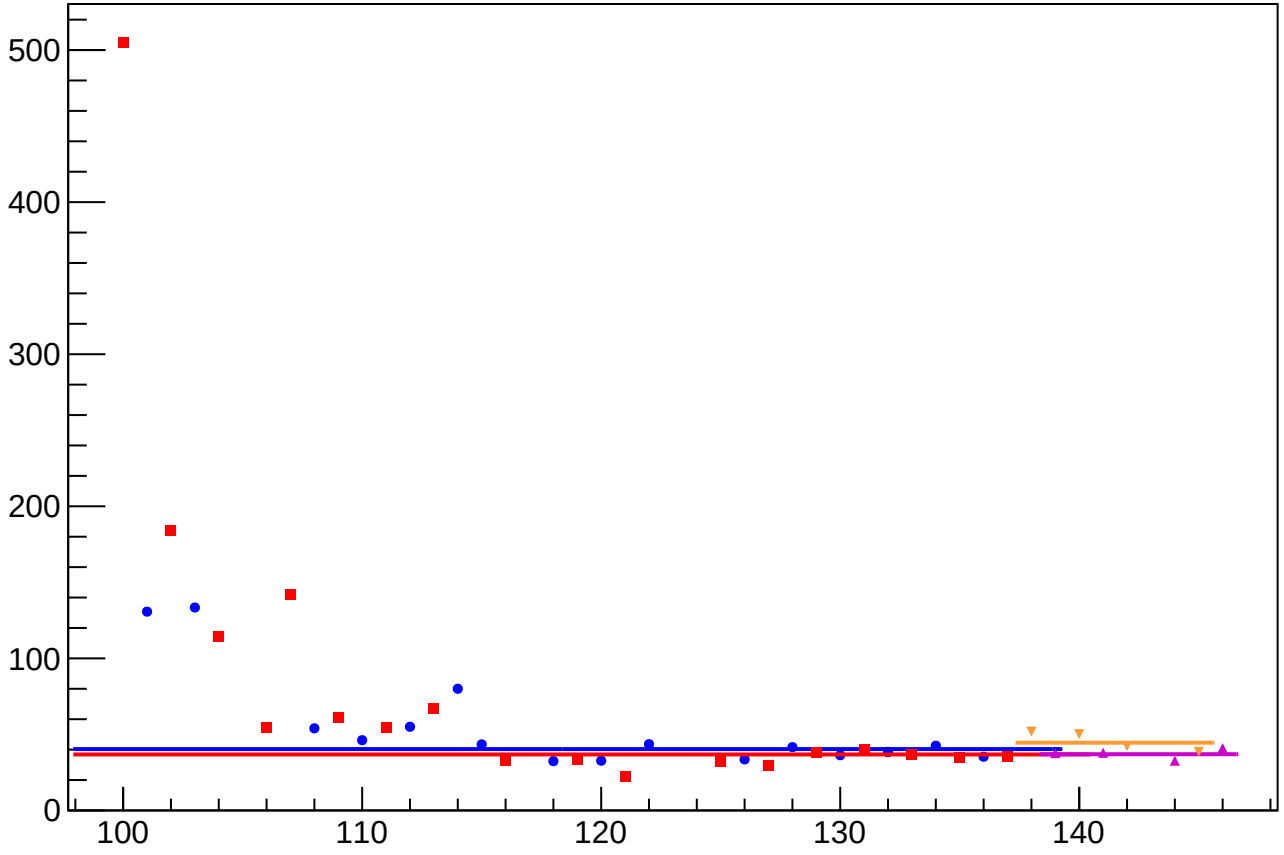
Left In: 0.001+/-0.021 χ^2/NDF:5.0/3

\+ sign 0.005+/-0.015 χ^2/NDF: 19.8/19

All: 0.003+/-0.010 χ^2/NDF: 35.8/41

\- sign 0.001+/-0.013 χ^2/NDF: 16.0/21

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: 44.575+/-0.020 χ^2/NDF:82477.4/3

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

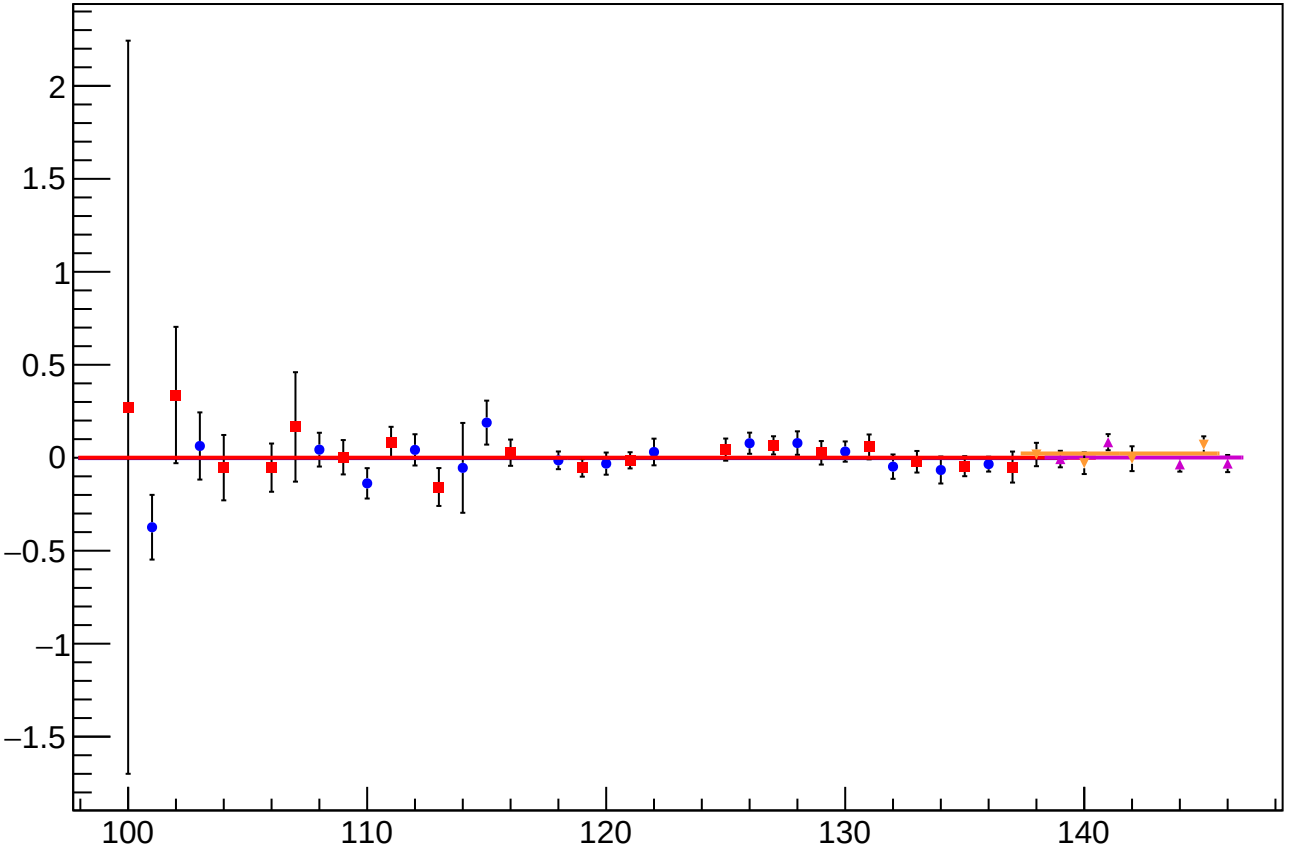
Left In: 36.979+/-0.015 χ^2/NDF:40816.5/3

+ sign 41.487+/-0.010 χ^2/NDF: 1525492.8/19

All: 38.947+/-0.007 χ^2/NDF: 3513169.8/41

- sign 36.883+/-0.009 χ^2/NDF: 1878005.6/21

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: 0.023+/-0.028 χ^2/NDF:2.1/3

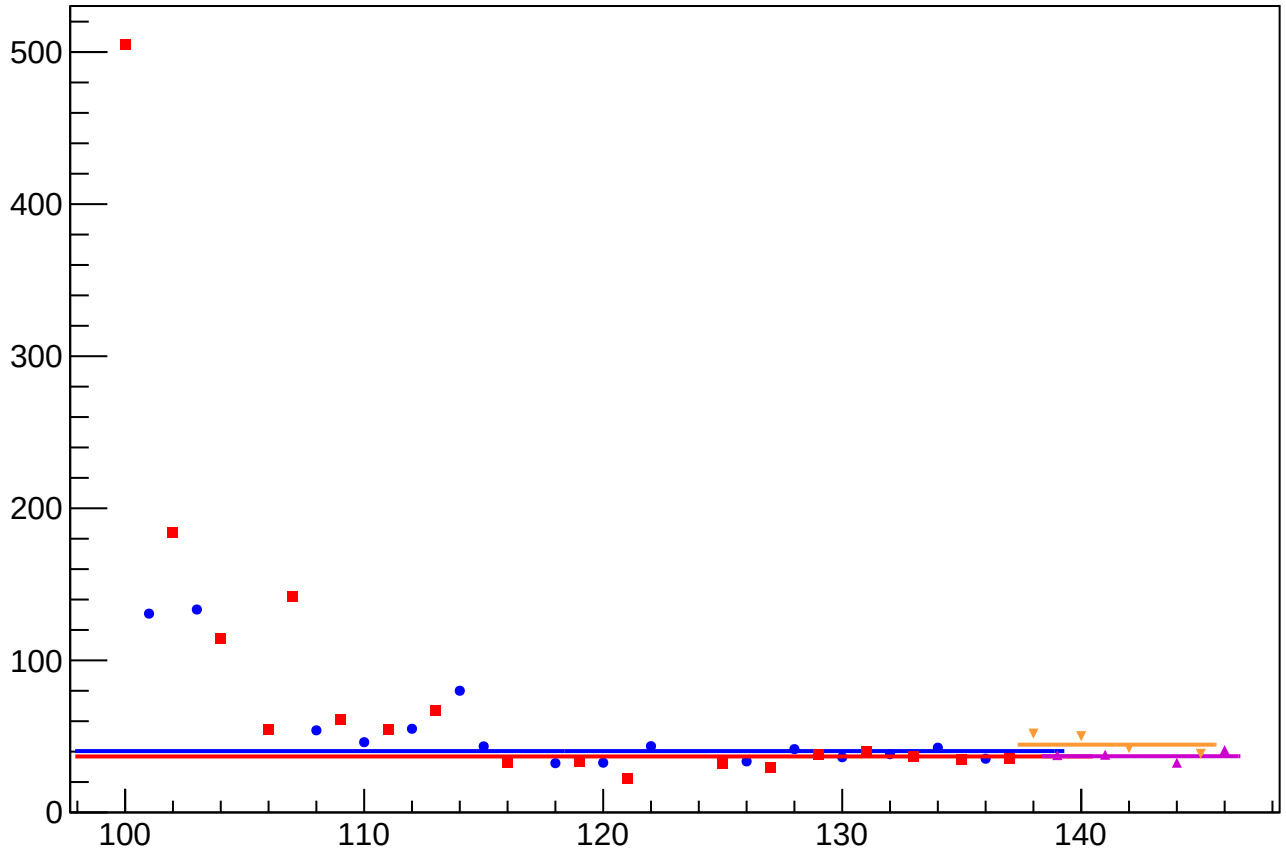
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.021 χ^2/NDF:5.0/3

+ sign 0.005+/-0.015 χ^2/NDF: 19.8/19

All: 0.003+/-0.010 χ^2/NDF: 35.8/41

- sign 0.001+/-0.013 χ^2/NDF: 16.0/21



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 44.575+/-0.020 χ^2/NDF:82477.4/3

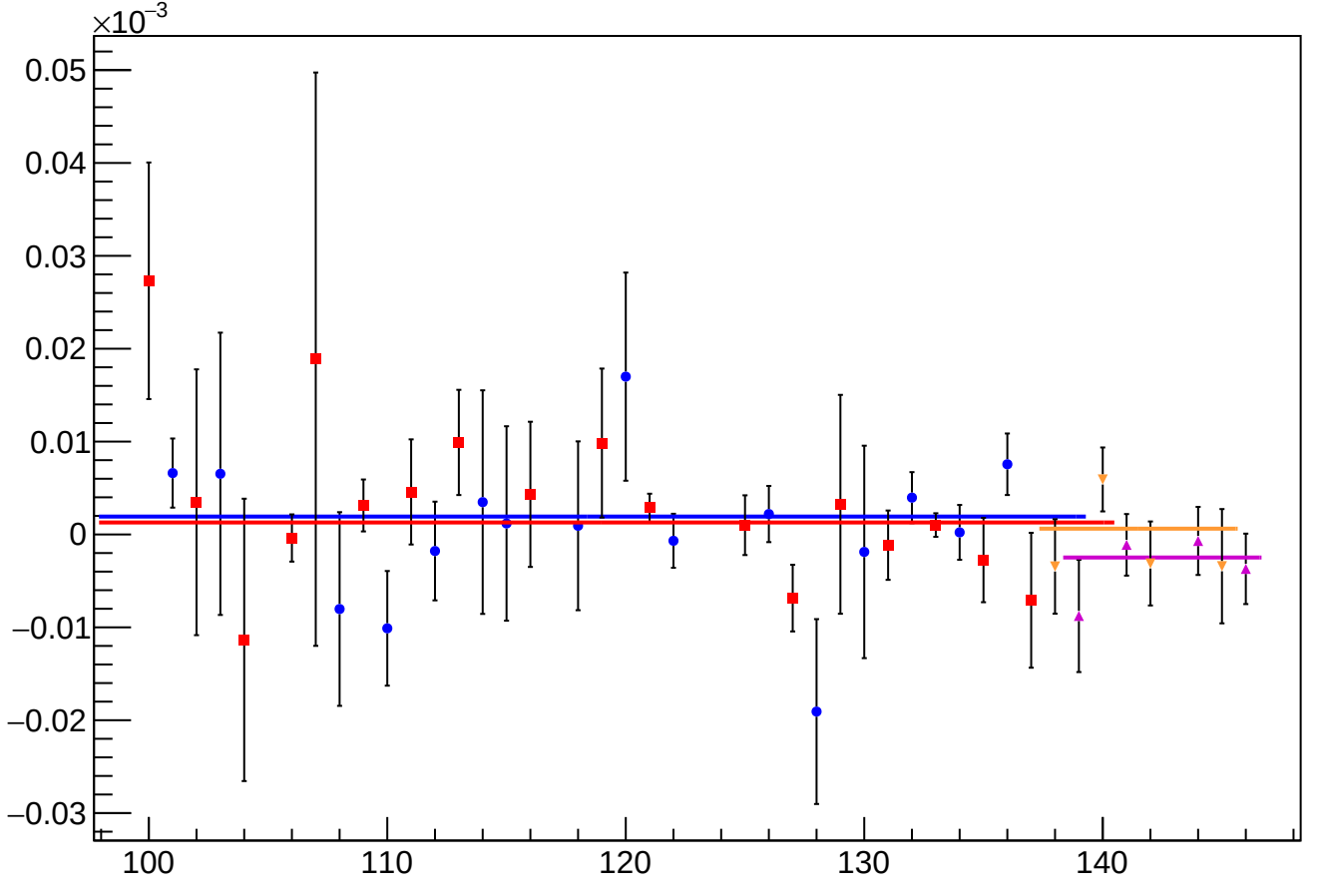
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 36.979+/-0.015 χ^2/NDF:40816.5/3

+ sign 41.487+/-0.010 χ^2/NDF: 1525492.8/19

All: 38.947+/-0.007 χ^2/NDF: 3513169.8/41

- sign 36.883+/-0.009 χ^2/NDF: 1878005.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/3

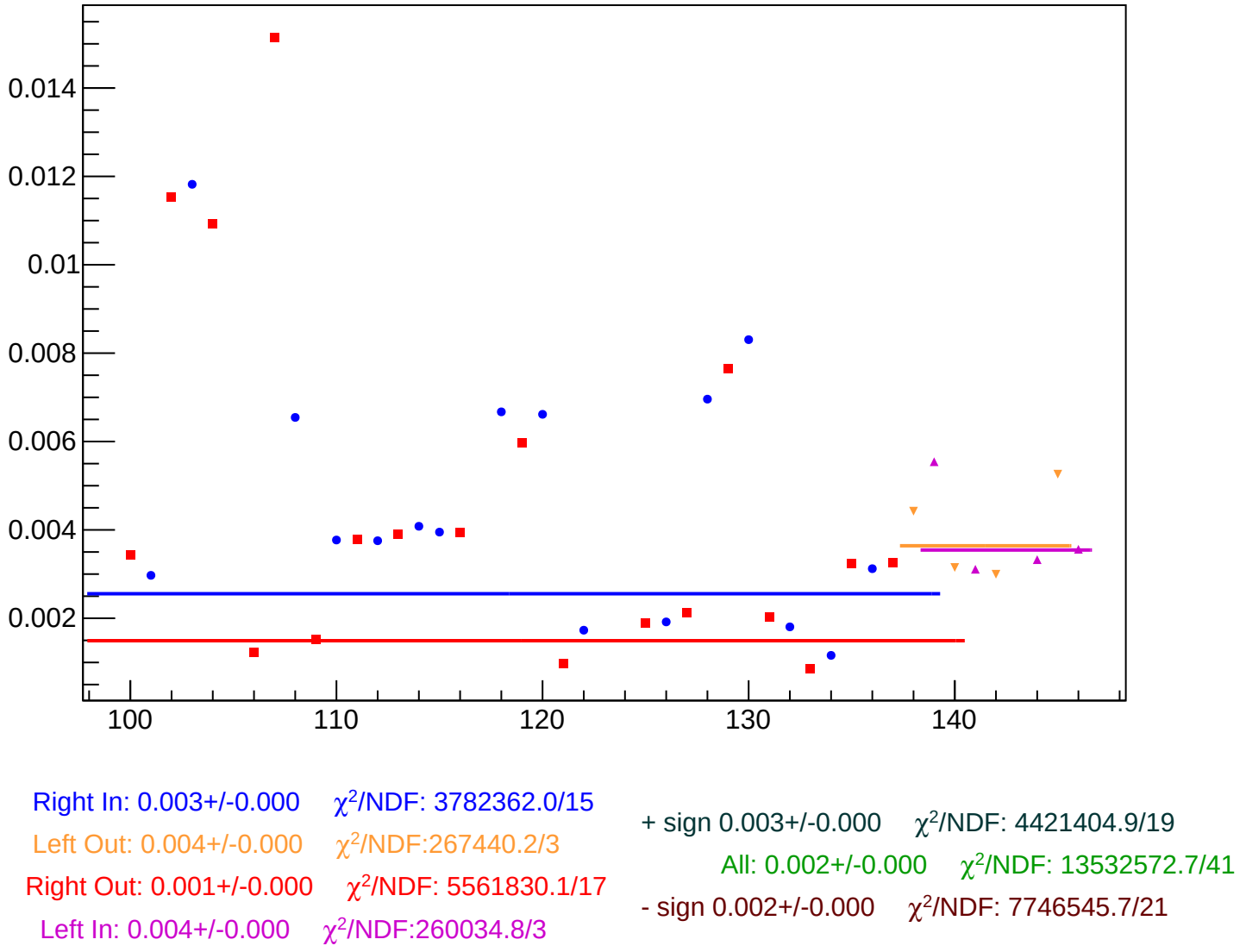
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

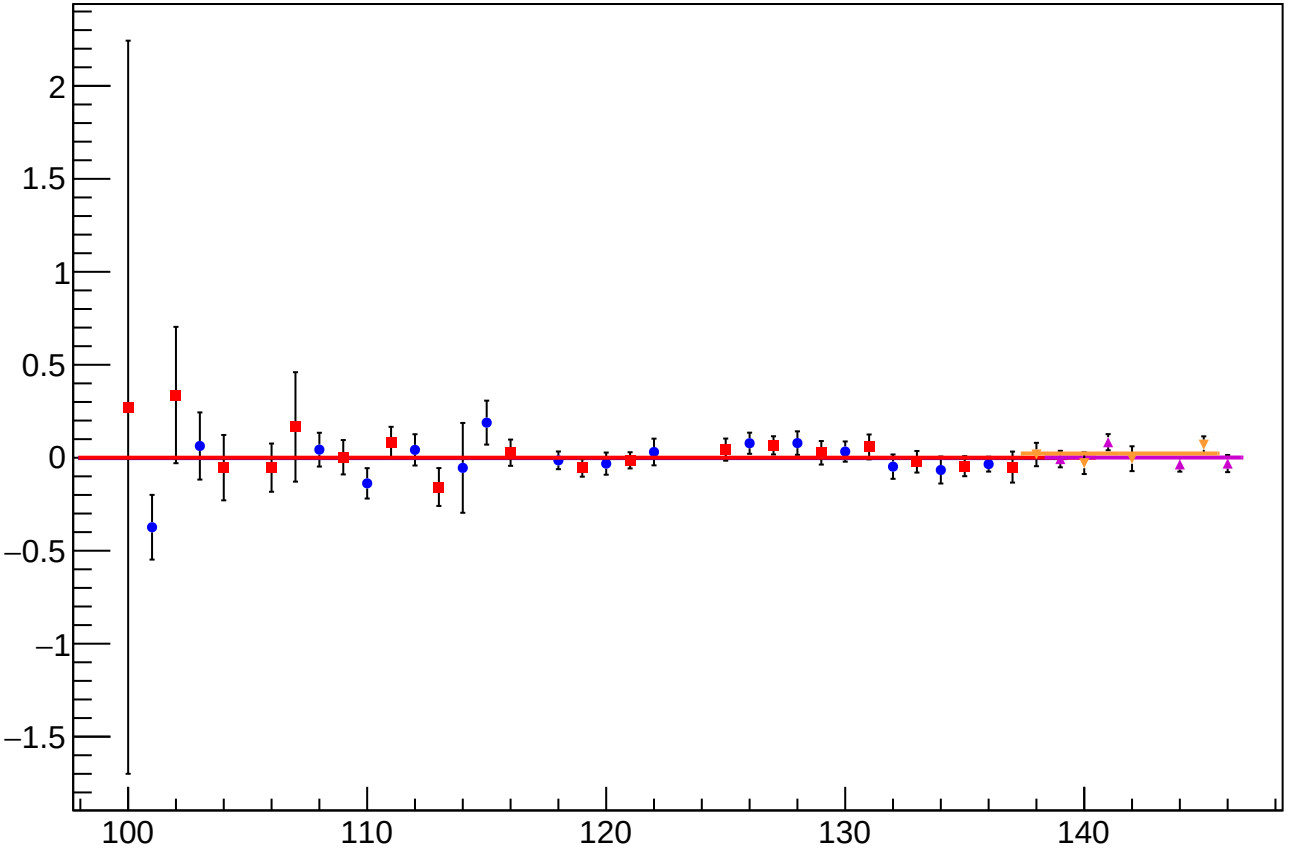
+ sign 0.000+/-0.000 χ^2/NDF: 22.3/19

All: 0.000+/-0.000 χ^2/NDF: 46.5/41

- sign 0.000+/-0.000 χ^2/NDF: 23.7/21


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
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:267440.2/3
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:260034.8/3
+ sign 0.003+/-0.000 χ²/NDF: 4421404.9/19
All: 0.002+/-0.000 χ²/NDF: 13532572.7/41
- sign 0.002+/-0.000 χ²/NDF: 7746545.7/21

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.023+/-0.028 χ^2/NDF:2.1/3

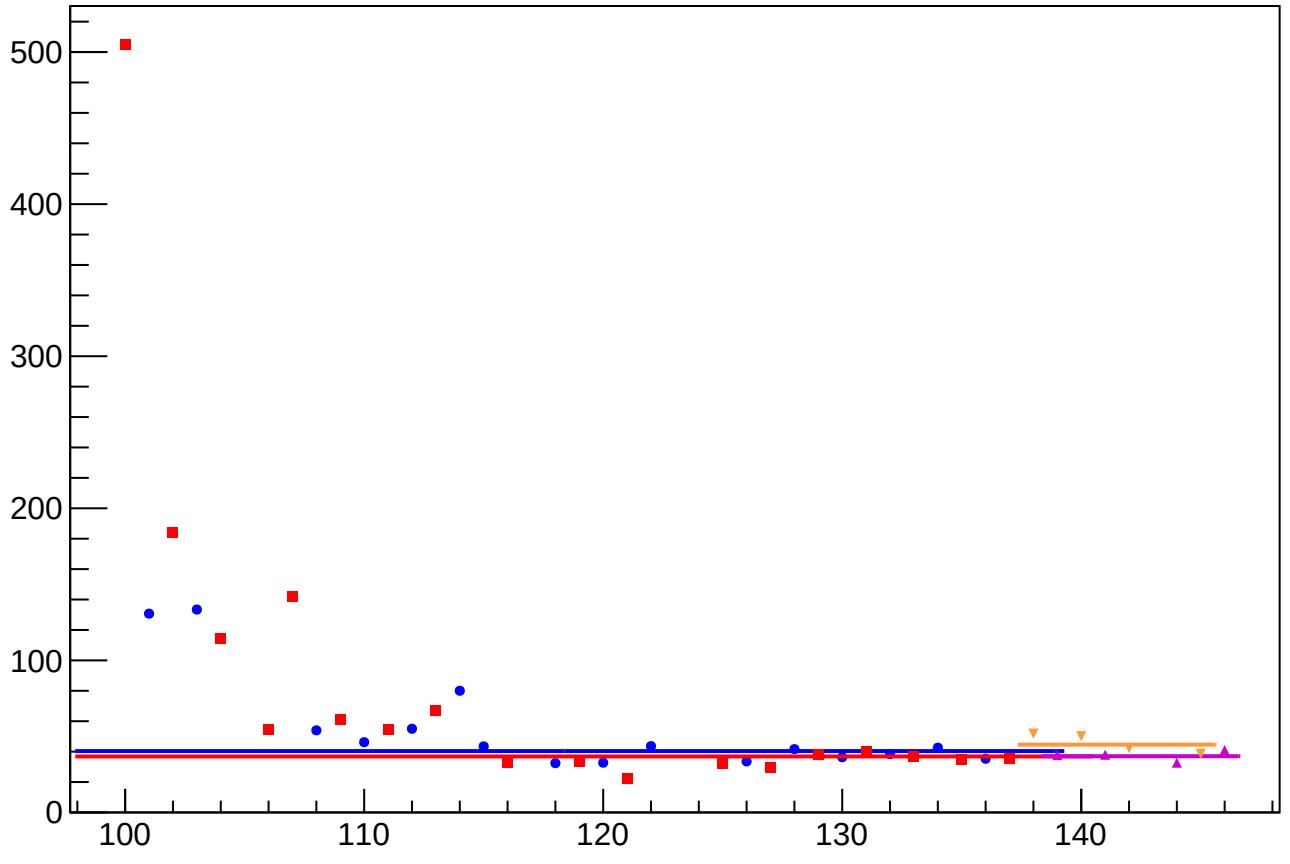
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.021 χ^2/NDF:5.0/3

+ sign 0.005+/-0.015 χ^2/NDF: 19.8/19

All: 0.003+/-0.010 χ^2/NDF: 35.8/41

- sign 0.001+/-0.013 χ^2/NDF: 16.0/21



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 44.574+/-0.020 χ^2/NDF:82484.1/3

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

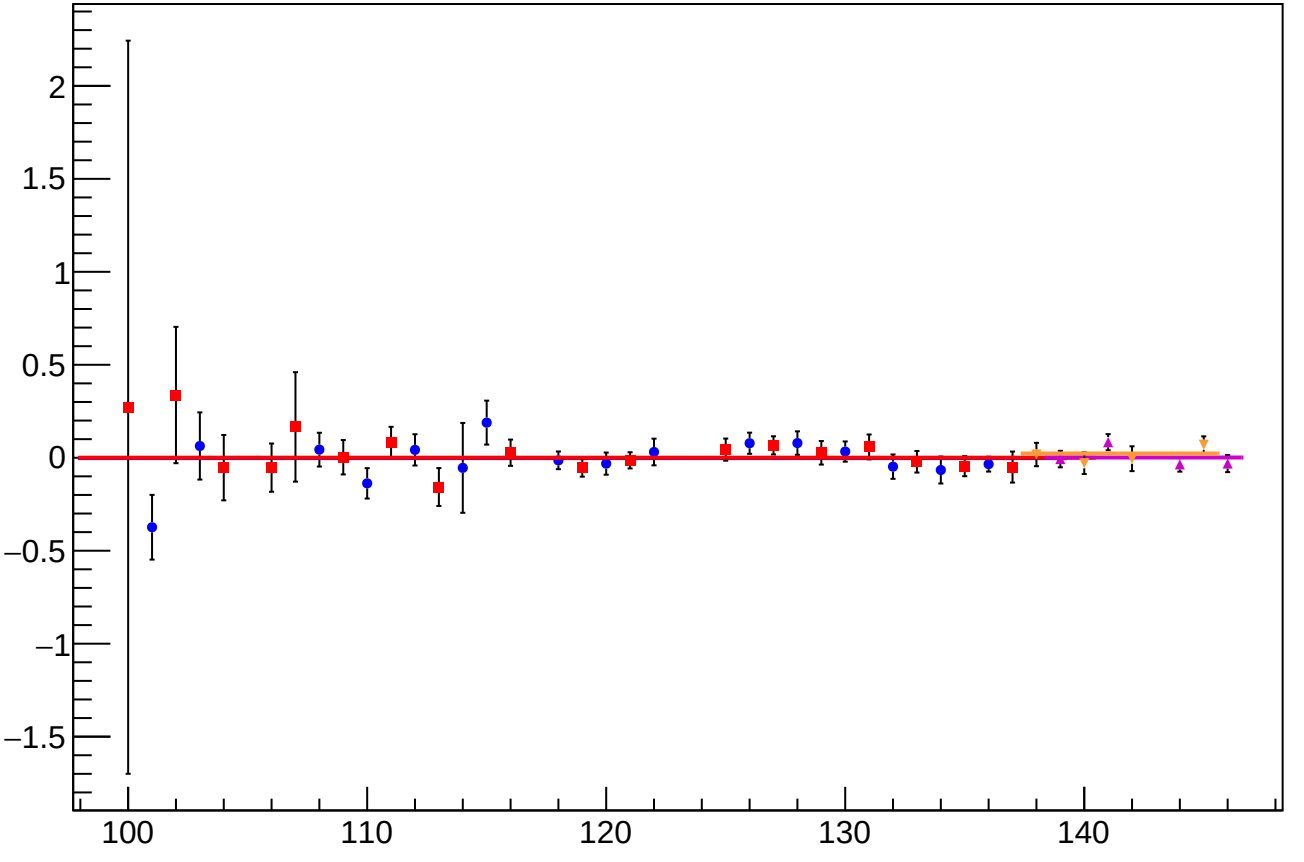
Left In: 36.979+/-0.015 χ^2/NDF:40811.7/3

+ sign 41.488+/-0.010 χ^2/NDF: 1525385.7/19

All: 38.947+/-0.007 χ^2/NDF: 3513097.8/41

- sign 36.882+/-0.009 χ^2/NDF: 1877995.7/21

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.023+/-0.028 χ^2/NDF:2.1/3

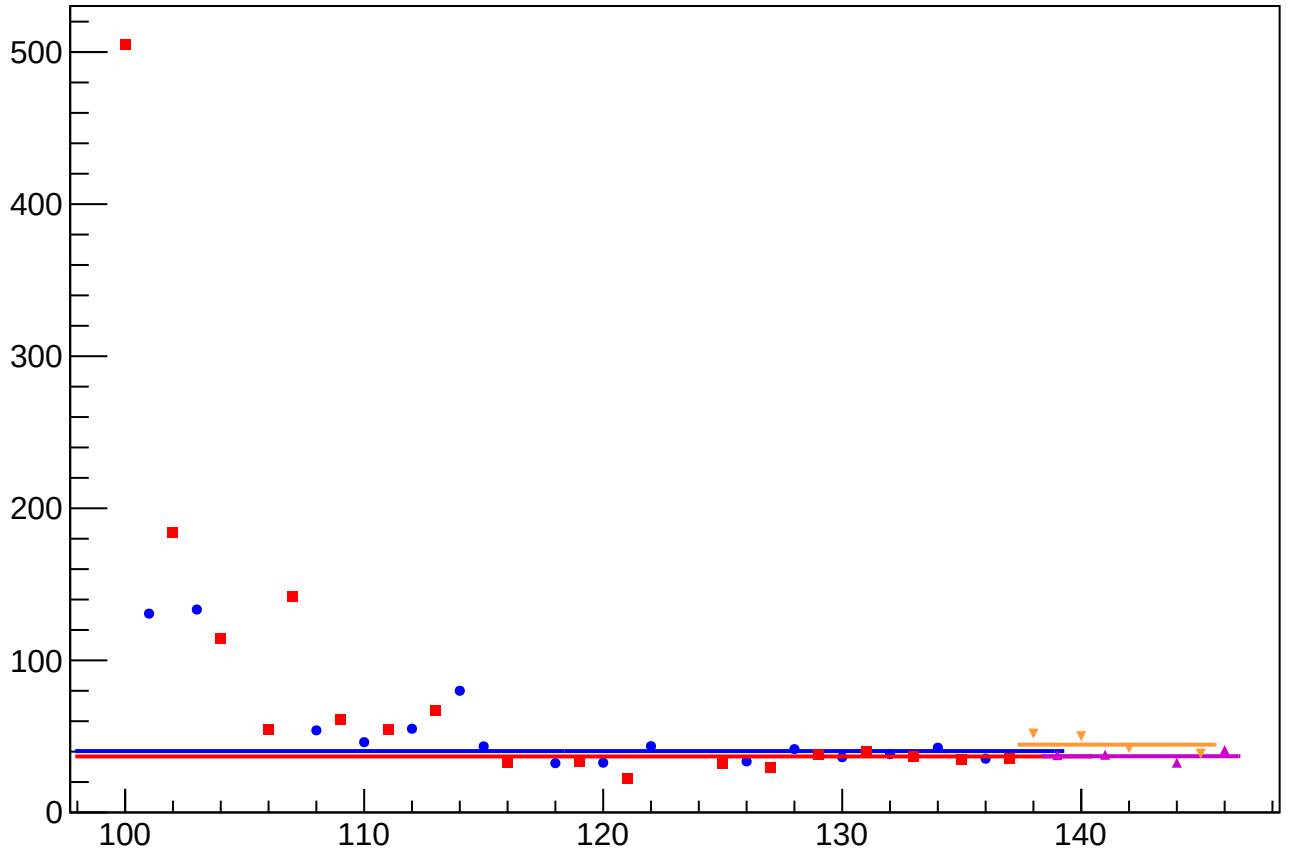
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.021 χ^2/NDF:5.0/3

+ sign 0.005+/-0.015 χ^2/NDF: 19.8/19

All: 0.003+/-0.010 χ^2/NDF: 35.8/41

- sign 0.001+/-0.013 χ^2/NDF: 16.0/21



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 44.574+/-0.020 χ^2/NDF:82484.1/3

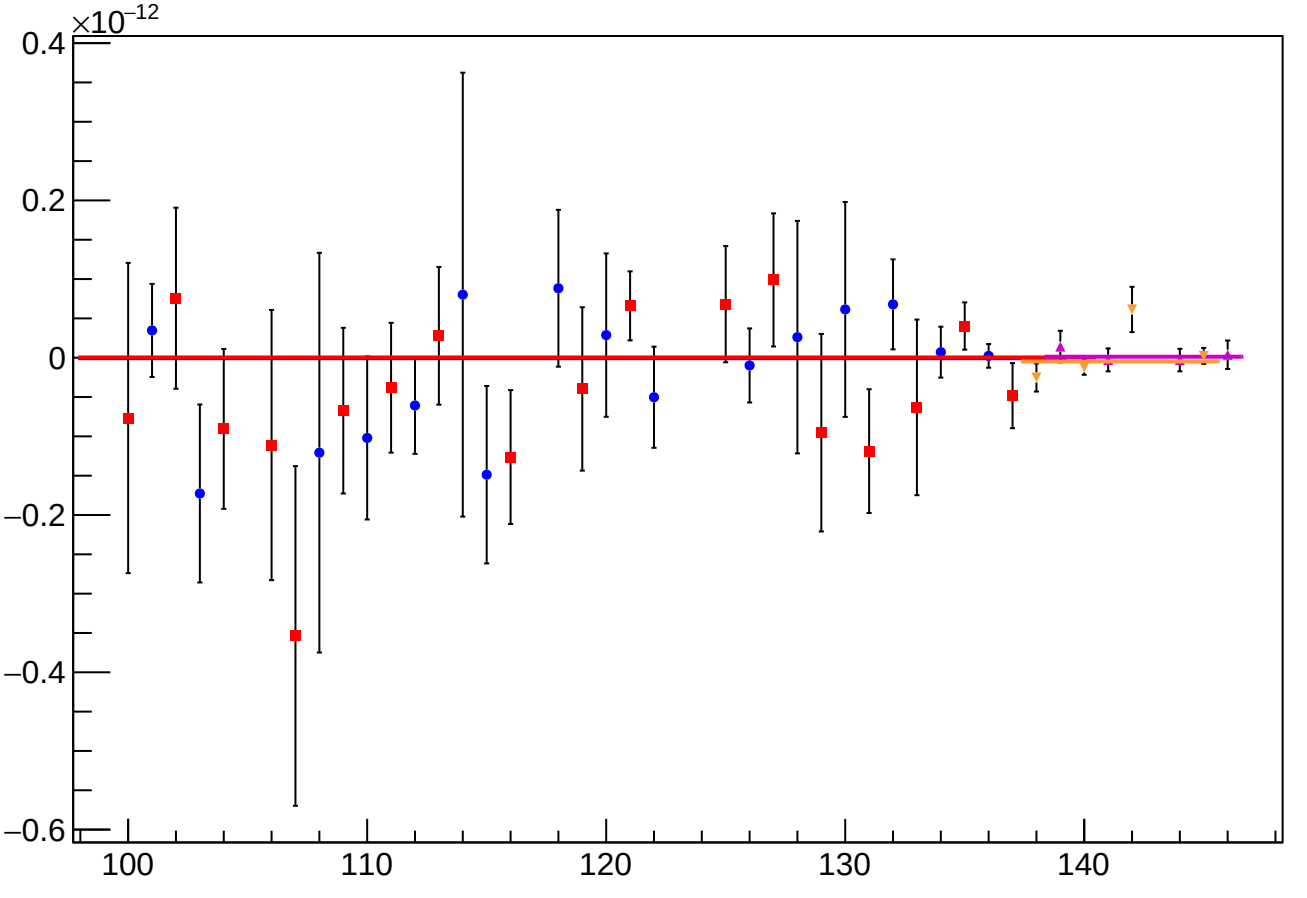
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 36.979+/-0.015 χ^2/NDF:40811.7/3

+ sign 41.488+/-0.010 χ^2/NDF: 1525385.7/19

All: 38.947+/-0.007 χ^2/NDF: 3513097.8/41

- sign 36.882+/-0.009 χ^2/NDF: 1877995.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/3

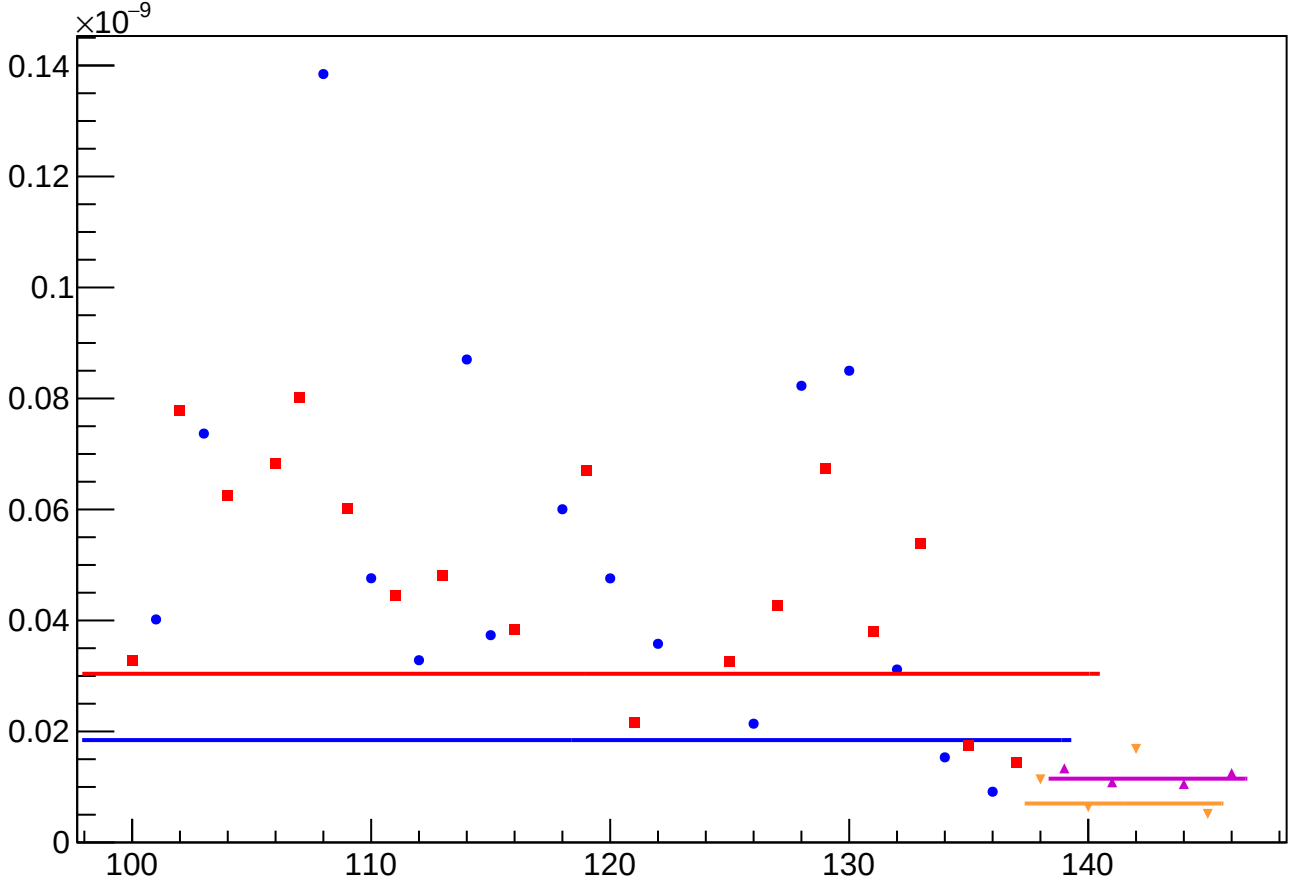
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/19

All: -0.000+/-0.000 χ^2/NDF: 36.9/41

- sign 0.000+/-0.000 χ^2/NDF: 18.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:428837.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

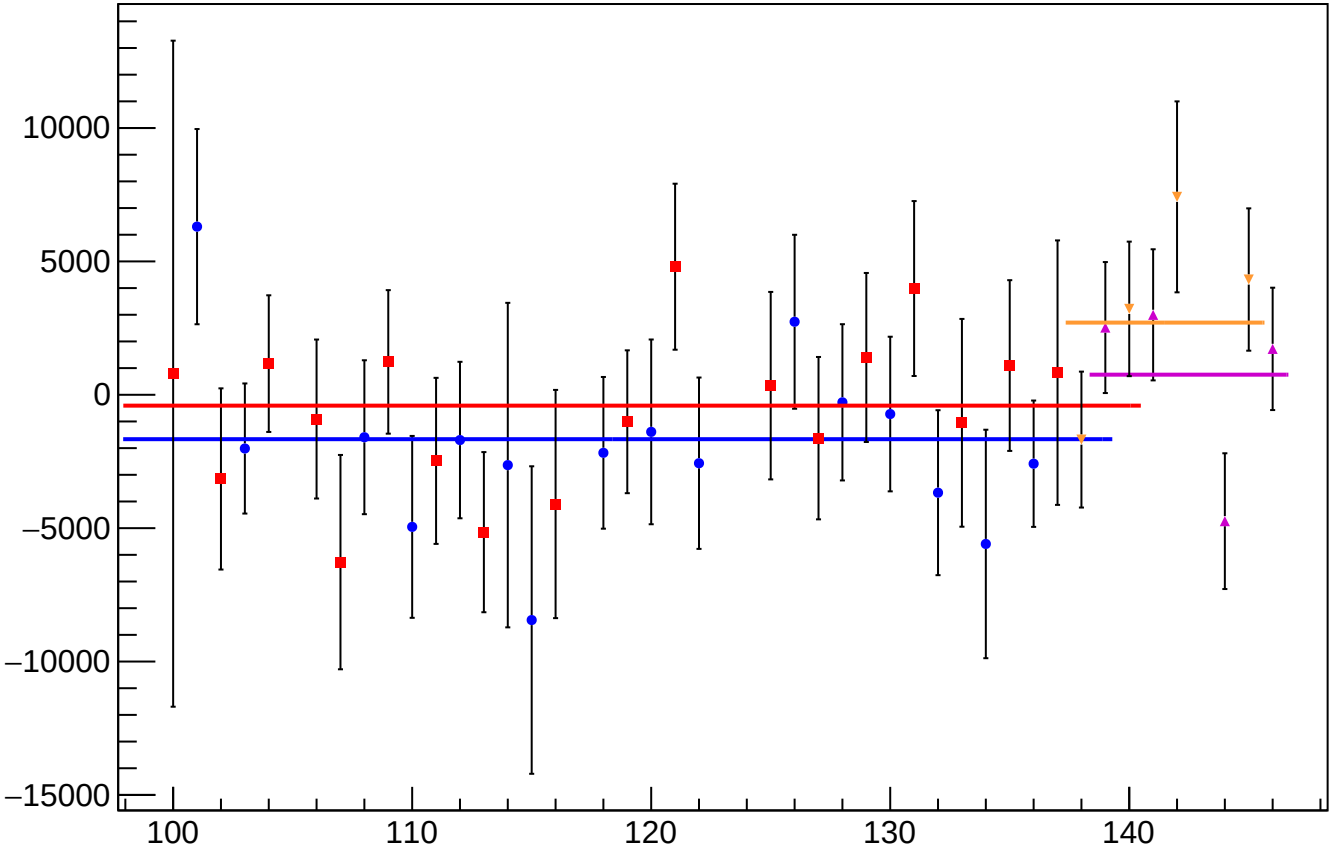
Left In: 0.000+/-0.000 χ^2/NDF:36163.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 5959511.3/19

All: 0.000+/-0.000 χ^2/NDF: 11242619.3/41

- sign 0.000+/-0.000 χ^2/NDF: 4543062.1/21

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2706.149+/-1373.700 χ^2/NDF:5.1/3

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

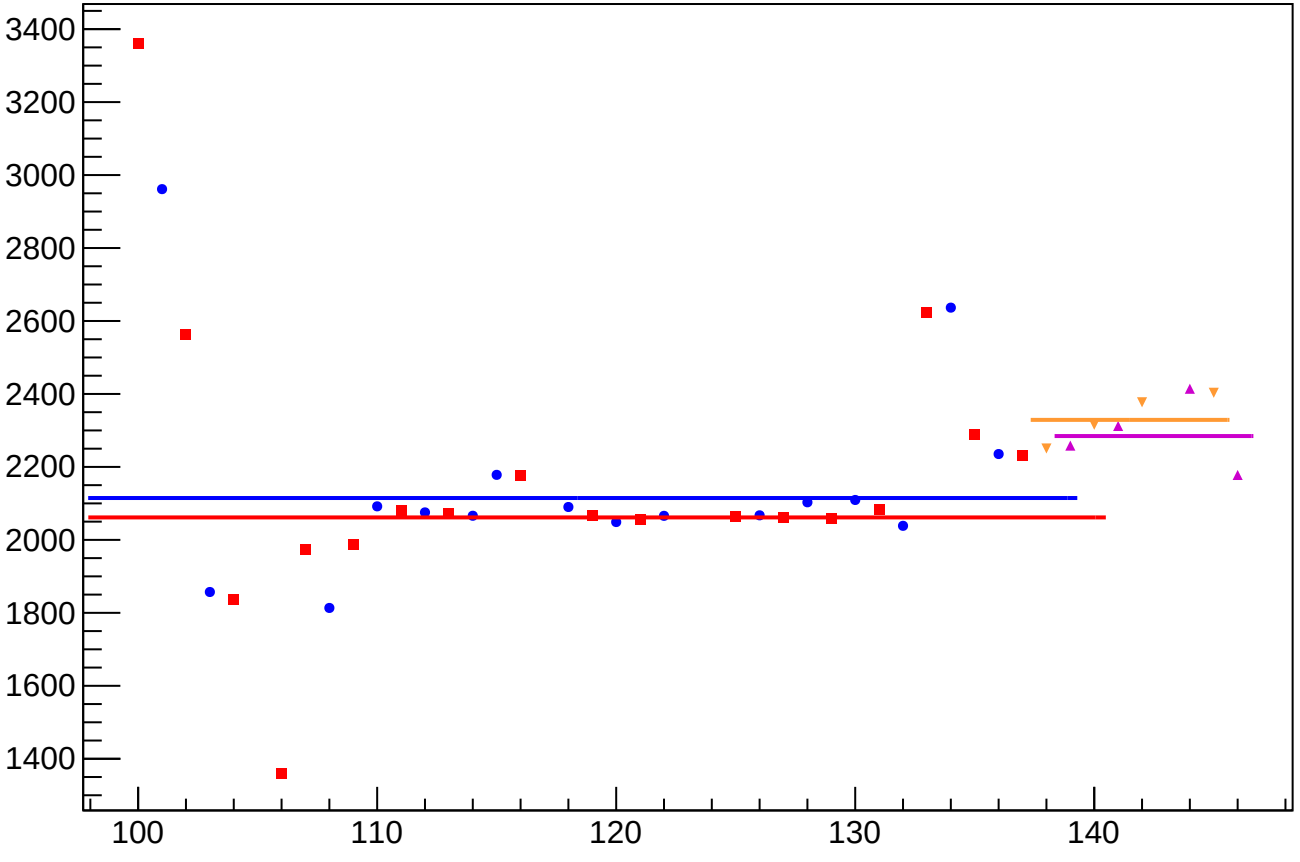
Left In: 754.109+/-1216.254 χ^2/NDF:6.2/3

+ sign -573.639+/-686.238 χ^2/NDF: 23.5/19

All: -310.189+/-473.769 χ^2/NDF: 43.3/41

- sign -70.263+/-654.882 χ^2/NDF: 19.6/21

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2328.945+/-0.971 χ^2/NDF:3864.8/3

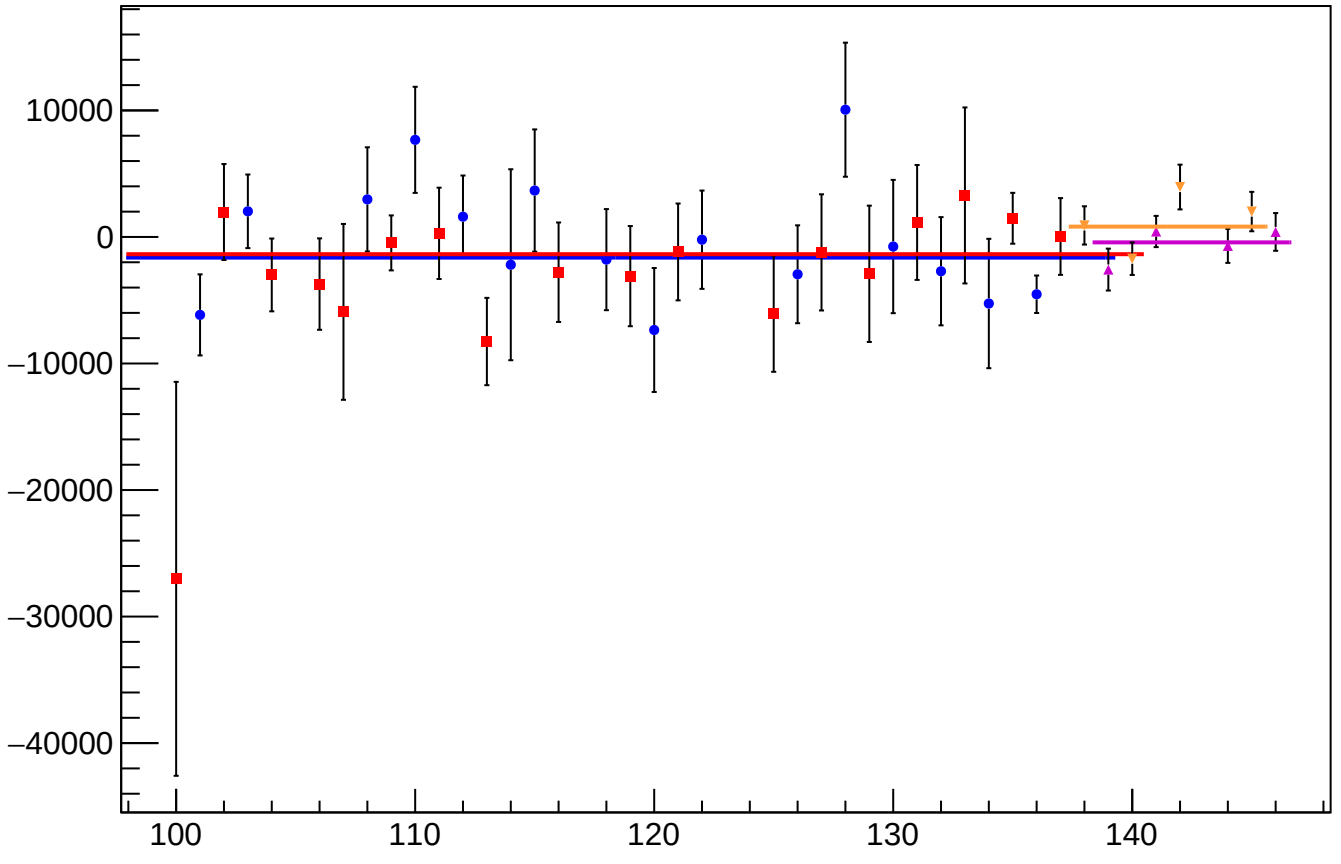
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

+ sign 2168.207+/-0.485 χ^2/NDF: 230274.6/19

All: 2146.237+/-0.335 χ^2/NDF: 541146.0/41

- sign 2126.228+/-0.463 χ^2/NDF: 306954.4/21



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: 816.514+/-750.609 χ^2/NDF:7.6/3

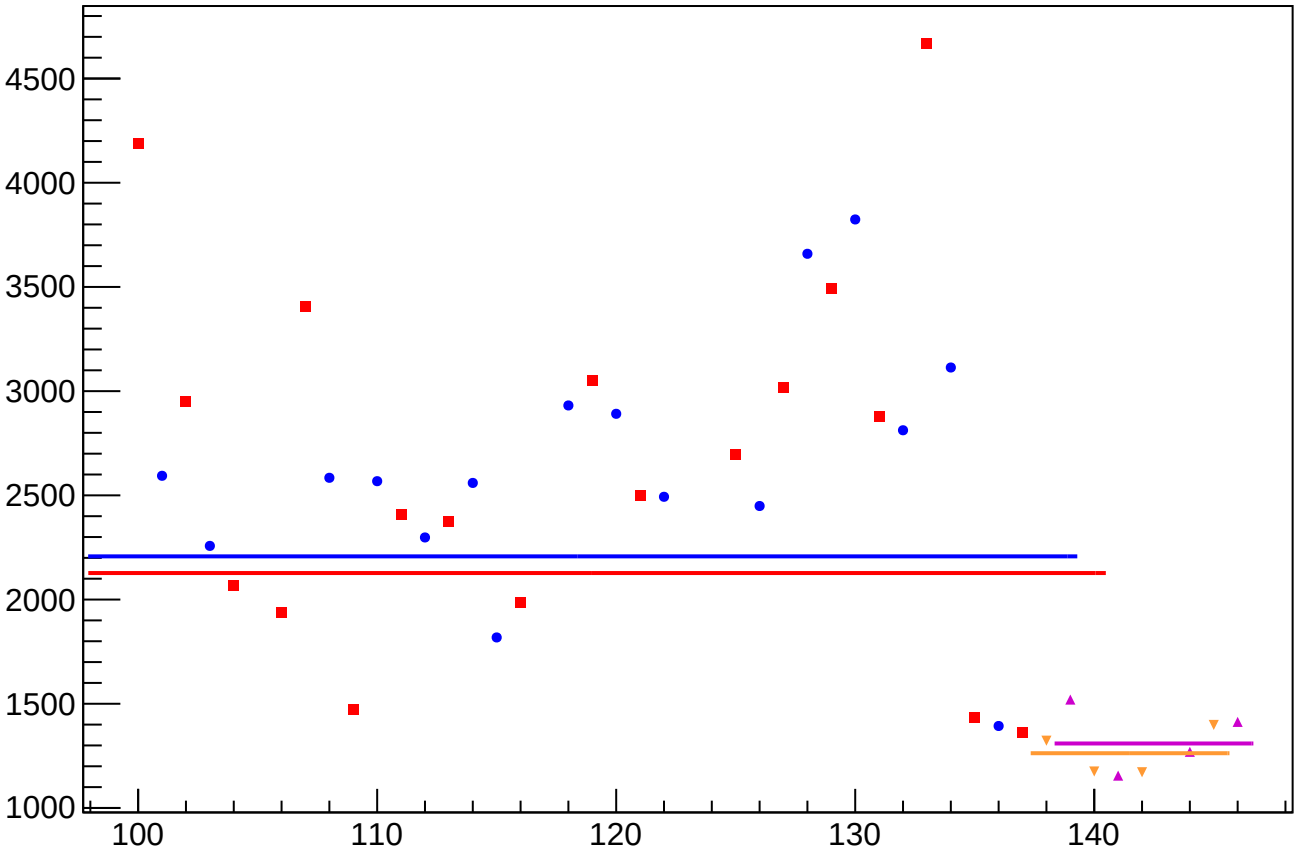
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -428.026+/-702.523 χ^2/NDF:2.5/3

+ sign -238.176+/-566.192 χ^2/NDF: 35.0/19

All: -539.267+/-390.392 χ^2/NDF: 52.3/41

- sign -812.139+/-539.006 χ^2/NDF: 16.7/21



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1262.679+/-0.531 χ^2/NDF:32988.5/3

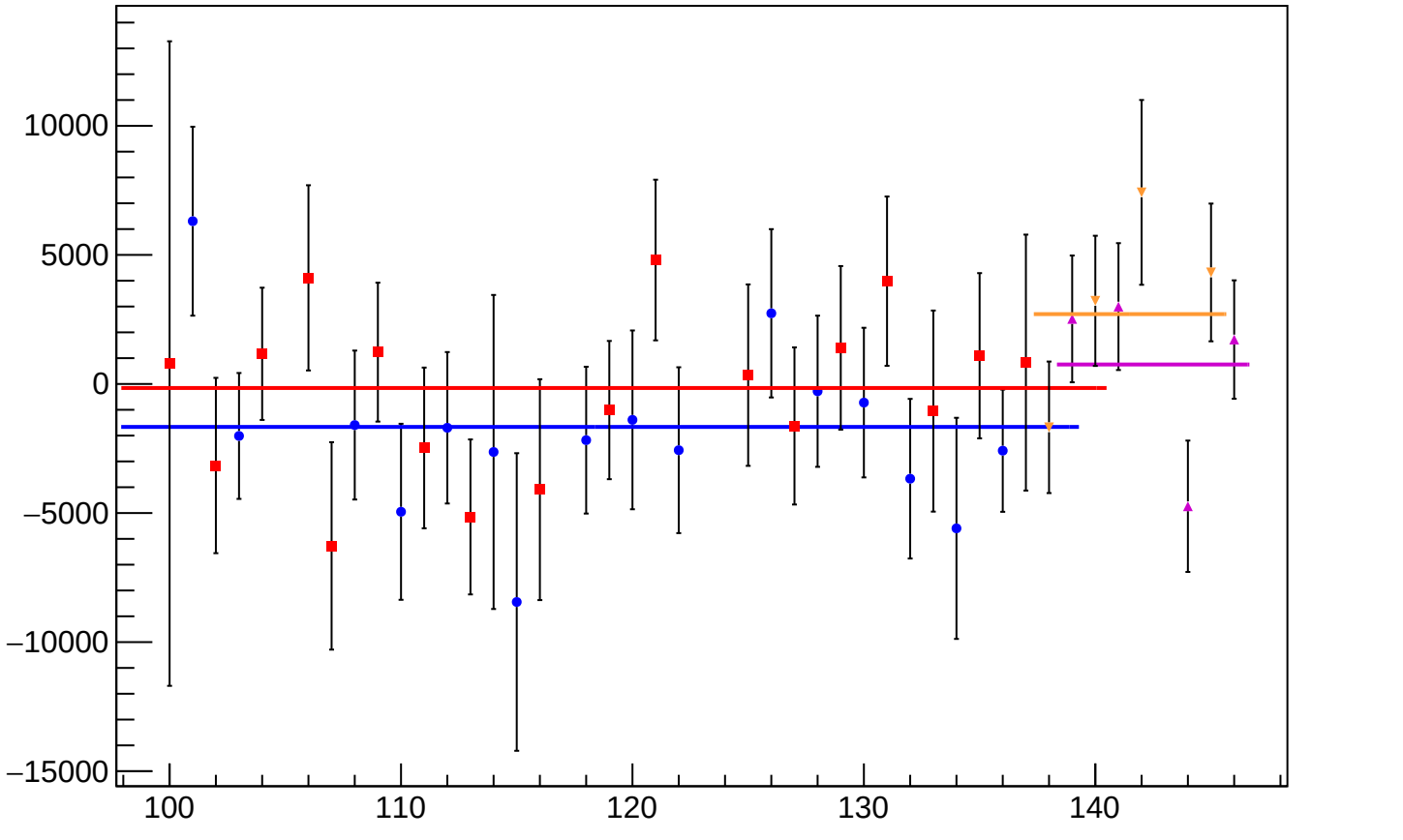
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1309.415+/-0.497 χ^2/NDF:75097.7/3

+ sign 1669.805+/-0.400 χ^2/NDF: 2647367.8/19

All: 1657.218+/-0.276 χ^2/NDF: 5297232.8/41

- sign 1645.810+/-0.381 χ^2/NDF: 2647980.6/21



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2706.397+/-1373.700 χ^2/NDF:5.1/3

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

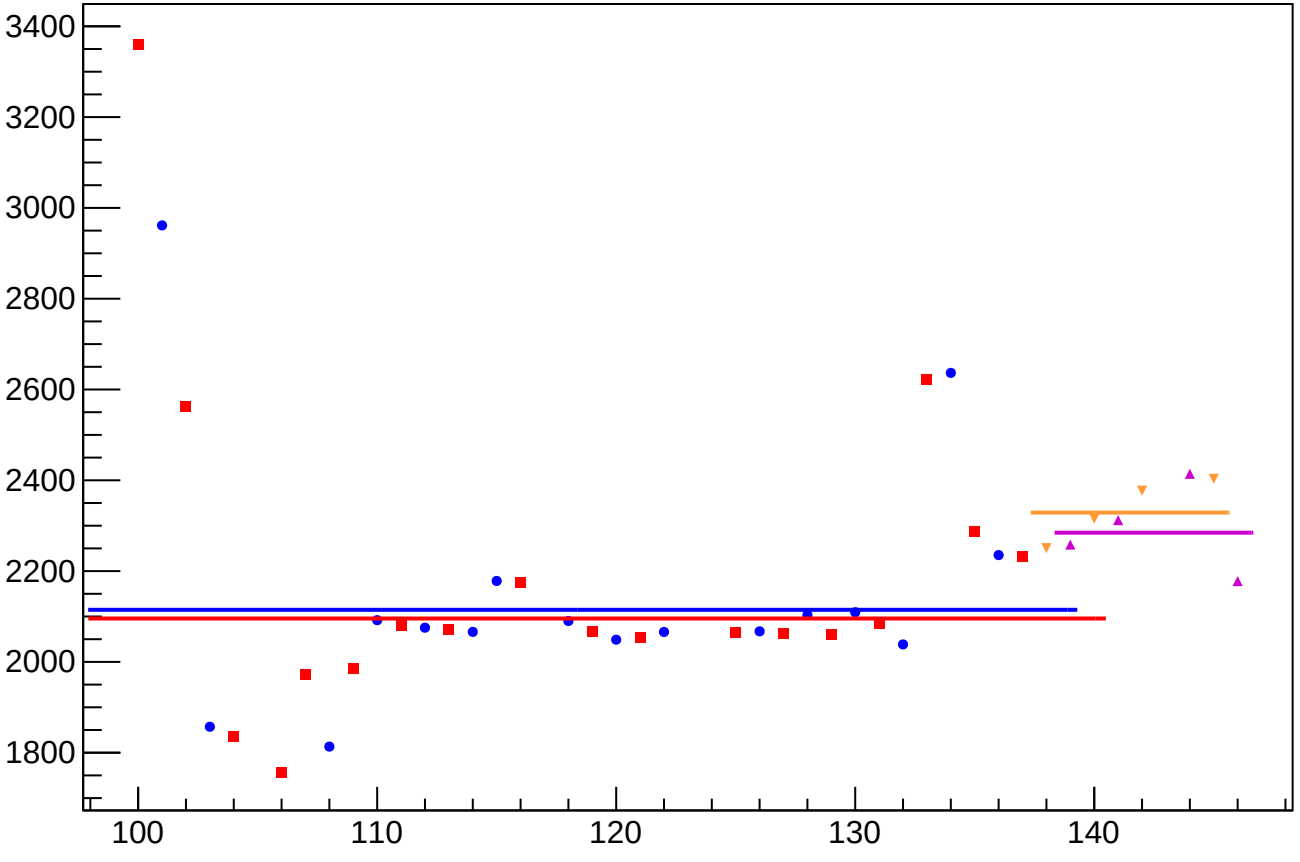
Left In: 754.325+/-1216.254 χ^2/NDF:6.2/3

+ sign -573.521+/-686.238 χ^2/NDF: 23.5/19

All: -217.275+/-475.636 χ^2/NDF: 44.8/41

- sign 112.090+/-659.839 χ^2/NDF: 20.8/21

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2328.945+/-0.971 χ^2/NDF:3864.8/3

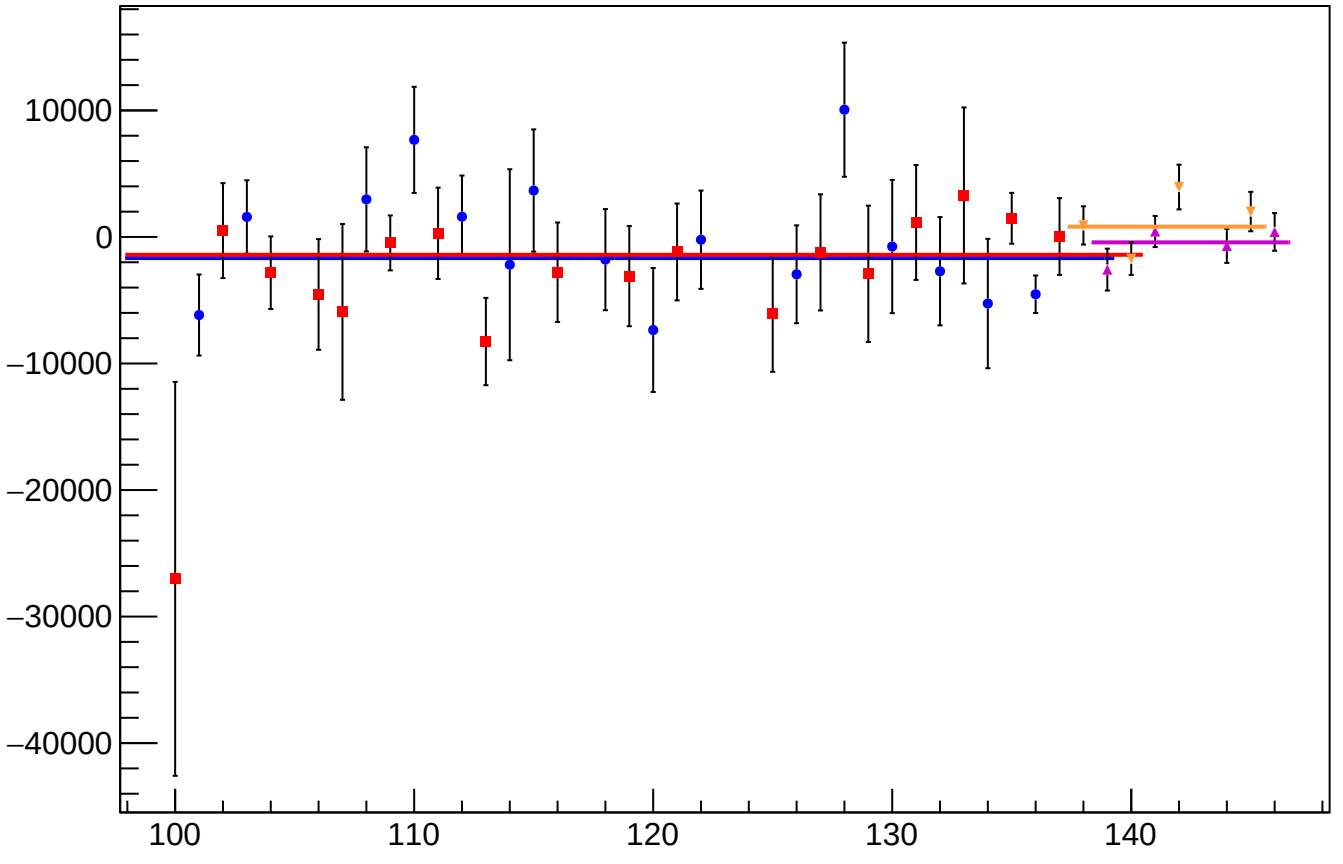
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

+ sign 2168.207+/-0.485 χ^2/NDF: 230275.0/19

All: 2159.386+/-0.336 χ^2/NDF: 424361.1/41

- sign 2151.230+/-0.467 χ^2/NDF: 193450.0/21



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: 816.363+/-750.623 χ^2/NDF:7.6/3

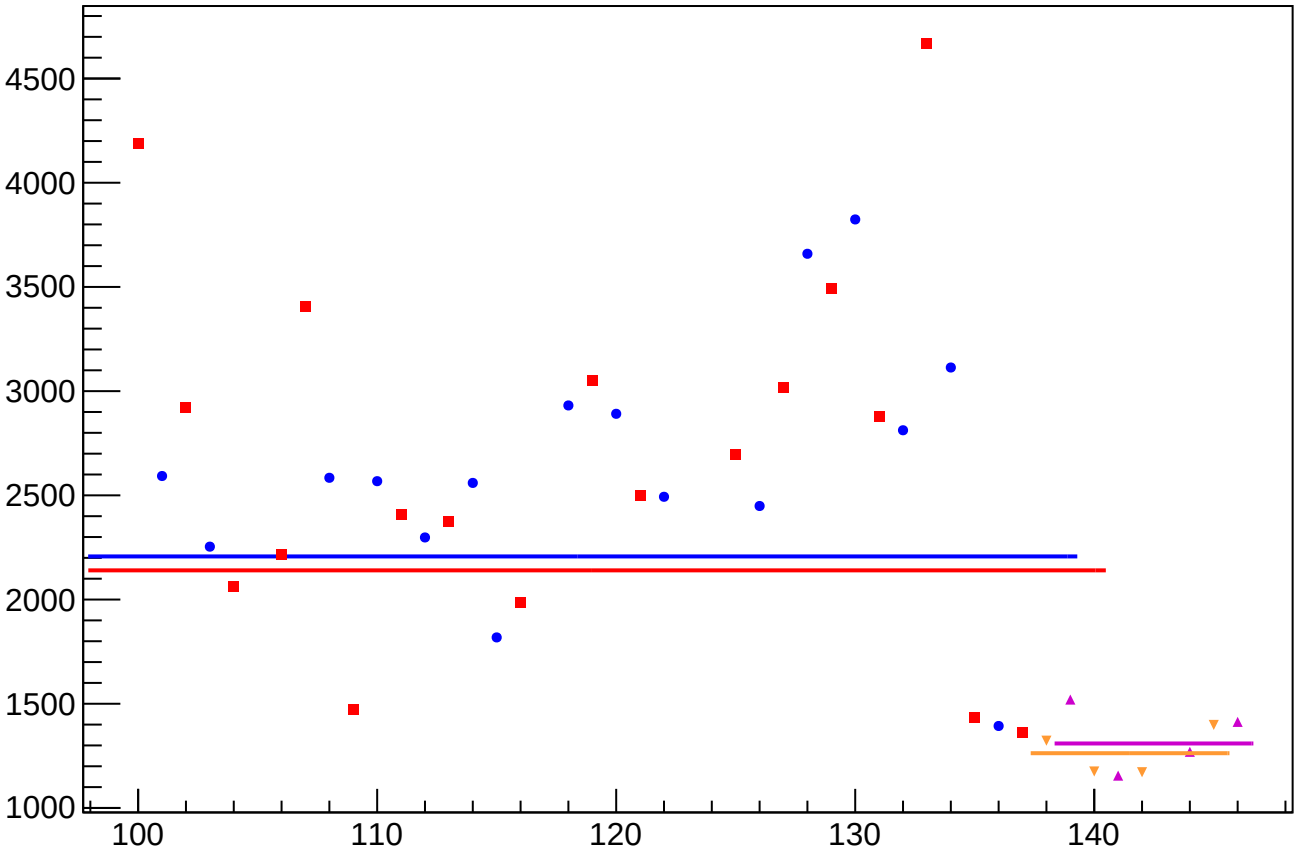
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -428.002+/-702.517 χ^2/NDF:2.5/3

+ sign -255.079+/-566.116 χ^2/NDF: 34.8/19

All: -554.330+/-391.027 χ^2/NDF: 51.7/41

- sign -827.362+/-540.746 χ^2/NDF: 16.3/21



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1262.706+/-0.531 χ^2/NDF:32975.2/3

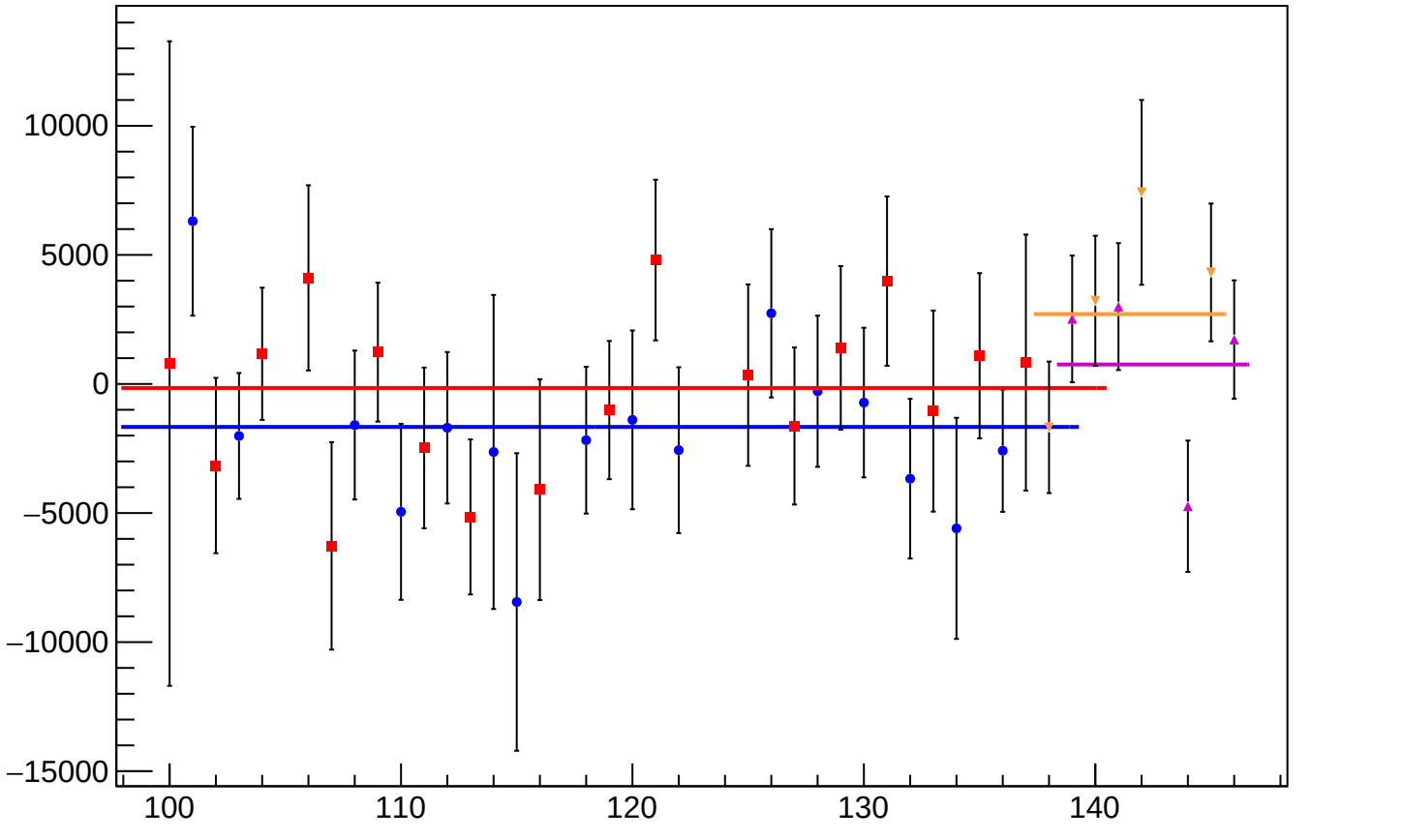
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1309.403+/-0.497 χ^2/NDF:75117.4/3

+ sign 1669.841+/-0.400 χ^2/NDF: 2646565.3/19

All: 1658.375+/-0.276 χ^2/NDF: 5311104.9/41

- sign 1647.913+/-0.382 χ^2/NDF: 2662970.5/21



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2706.397+/-1373.700 χ^2/NDF:5.1/3

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

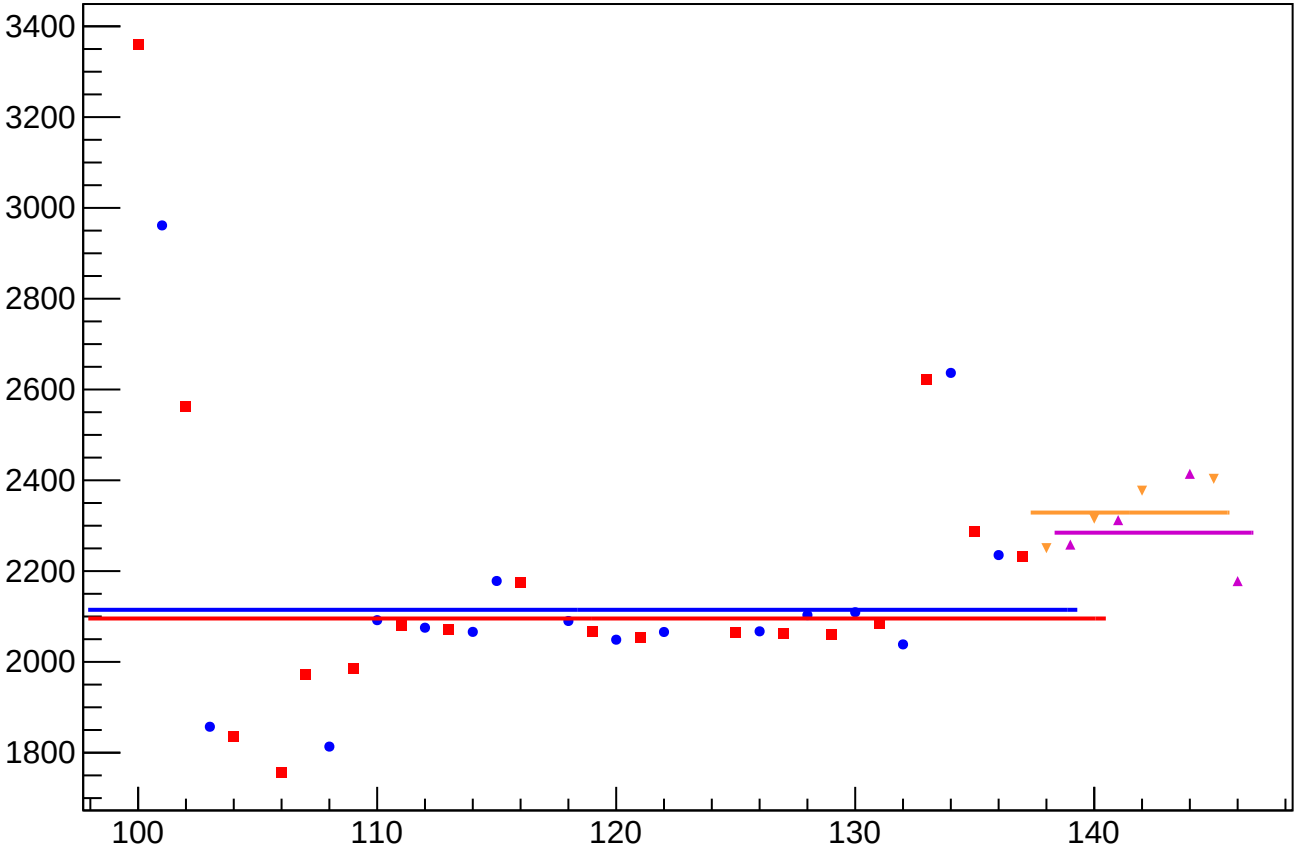
Left In: 754.325+/-1216.254 χ^2/NDF:6.2/3

\+ sign -573.521+/-686.238 χ^2/NDF: 23.5/19

All: -217.275+/-475.636 χ^2/NDF: 44.8/41

\- sign 112.090+/-659.839 χ^2/NDF: 20.8/21

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: 2328.945+/-0.971 χ^2/NDF:3864.8/3

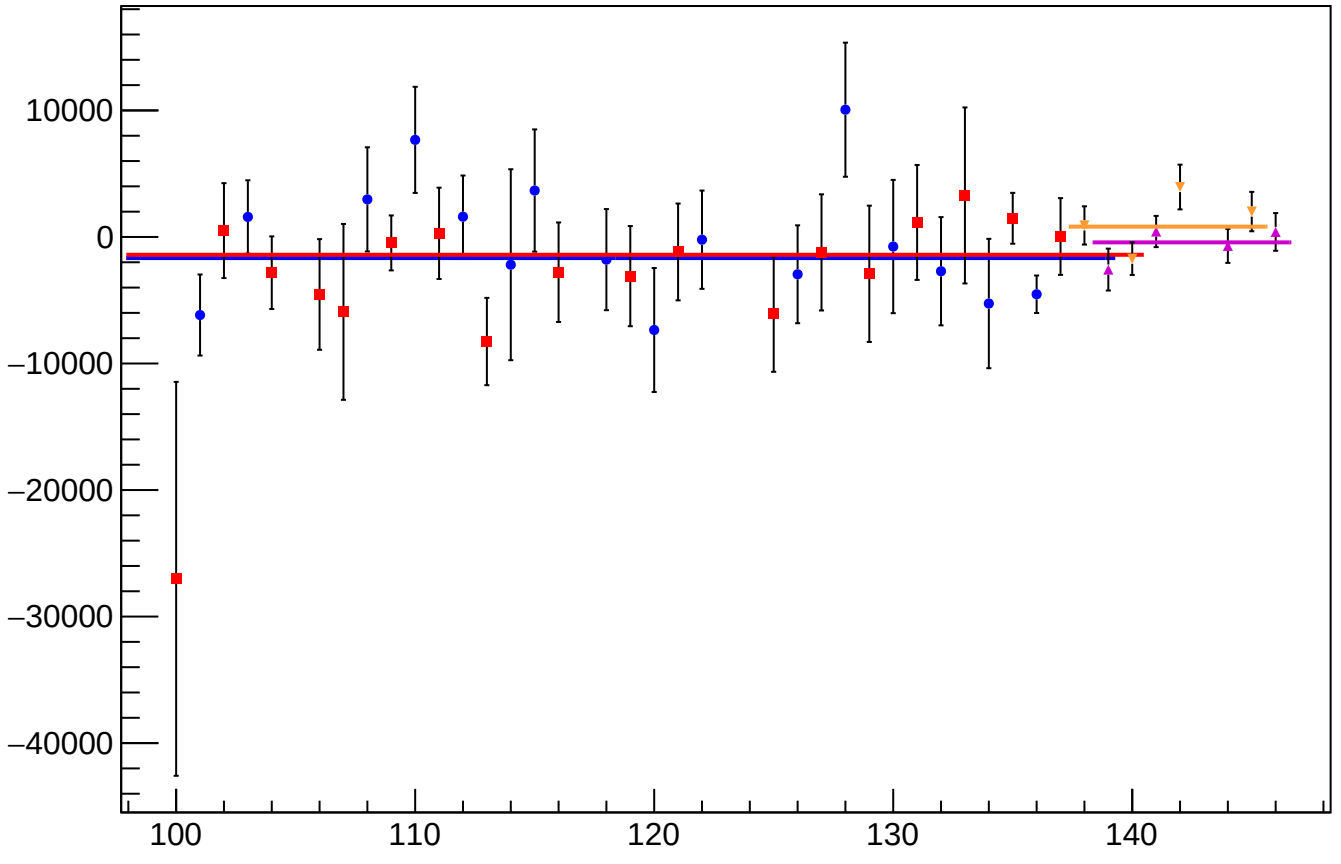
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

+ sign 2168.207+/-0.485 χ^2/NDF: 230275.0/19

All: 2159.386+/-0.336 χ^2/NDF: 424361.1/41

- sign 2151.230+/-0.467 χ^2/NDF: 193450.0/21



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: 816.363+/-750.623 χ^2/NDF:7.6/3

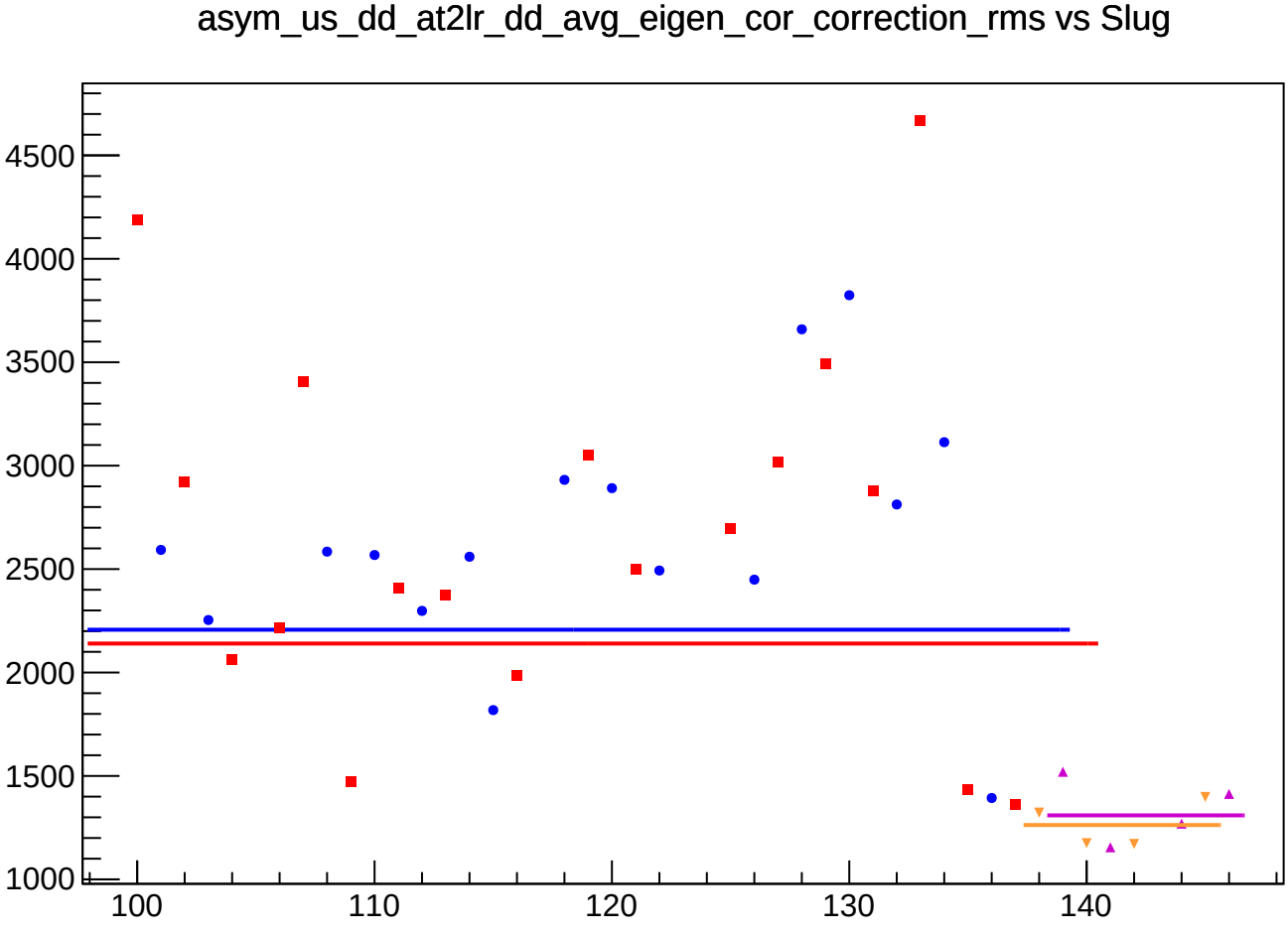
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -428.002+/-702.517 χ^2/NDF:2.5/3

+ sign -255.079+/-566.116 χ^2/NDF: 34.8/19

All: -554.330+/-391.027 χ^2/NDF: 51.7/41

- sign -827.362+/-540.746 χ^2/NDF: 16.3/21



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1262.706+/-0.531 χ^2/NDF:32975.2/3

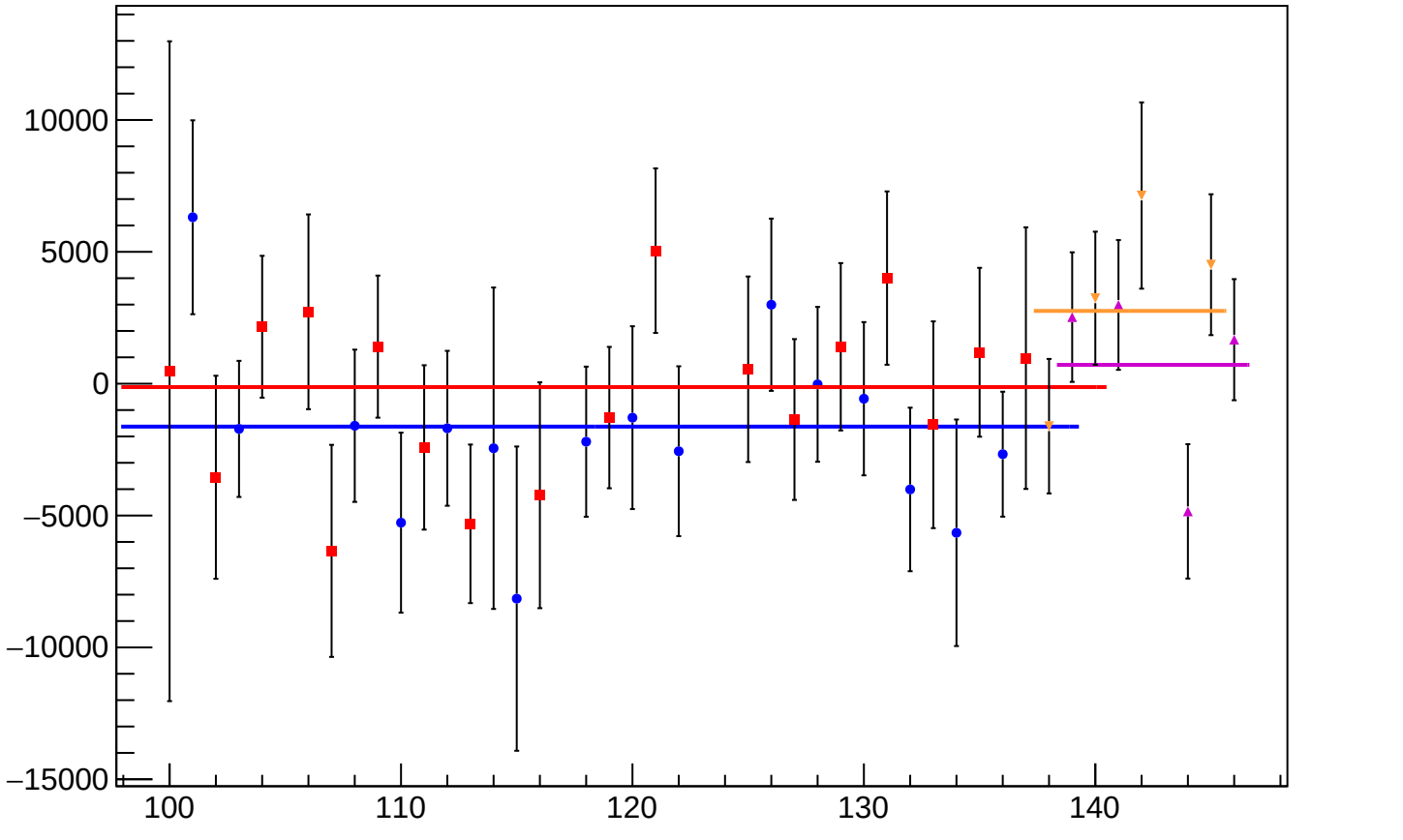
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1309.403+/-0.497 χ^2/NDF:75117.4/3

+ sign 1669.841+/-0.400 χ^2/NDF: 2646565.3/19

All: 1658.375+/-0.276 χ^2/NDF: 5311104.9/41

- sign 1647.913+/-0.382 χ^2/NDF: 2662970.5/21



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2759.389+/-1372.255 χ^2/NDF:4.9/3

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

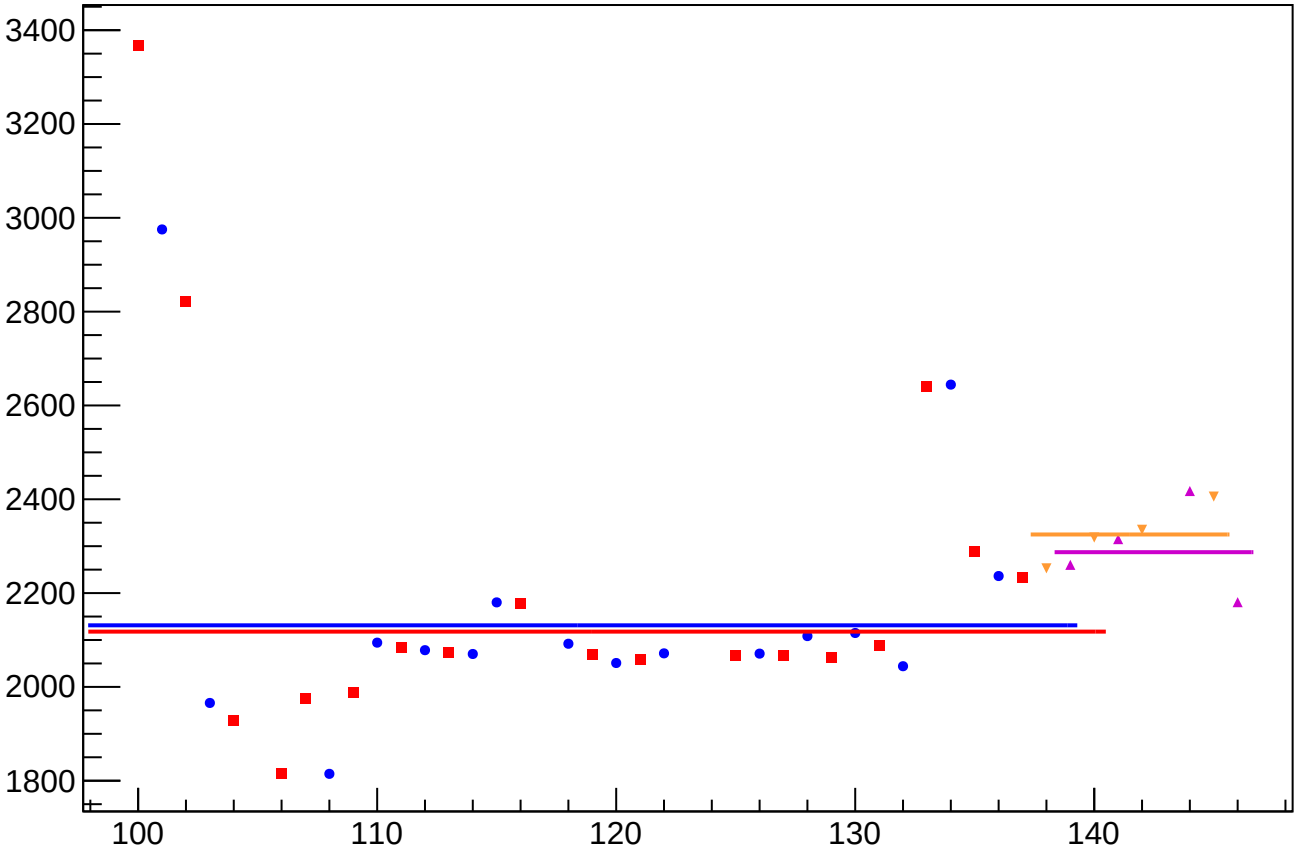
Left In: 714.708+/-1217.650 χ^2/NDF:6.3/3

+ sign -519.054+/-689.816 χ^2/NDF: 23.9/19

All: -186.235+/-479.209 χ^2/NDF: 45.6/41

- sign 124.192+/-666.208 χ^2/NDF: 21.2/21

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2324.950+/-0.970 χ^2/NDF:3461.3/3

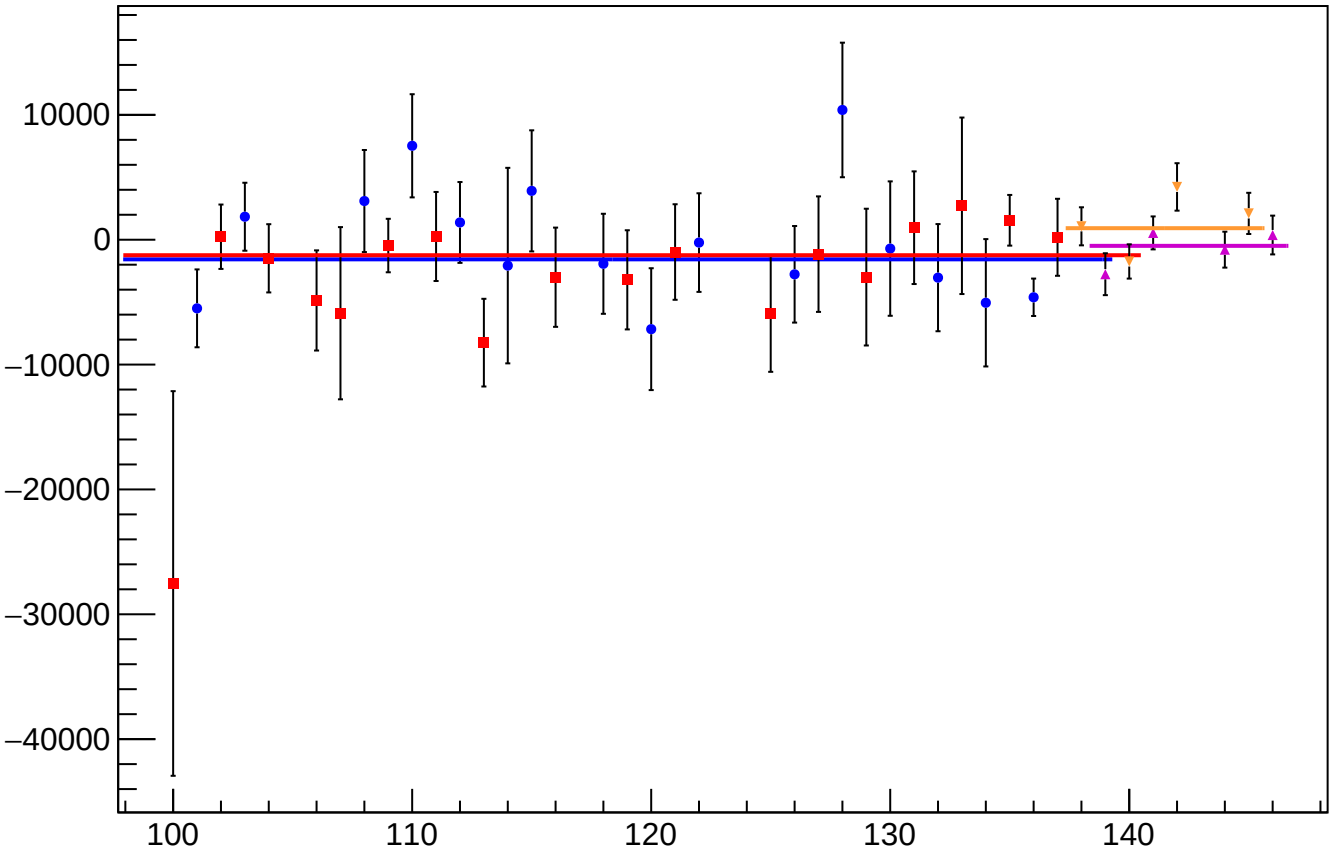
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2287.216+/-0.861 χ^2/NDF:10043.7/3

+ sign 2180.233+/-0.488 χ^2/NDF: 209169.2/19

All: 2174.194+/-0.339 χ^2/NDF: 410237.1/41

- sign 2168.561+/-0.471 χ^2/NDF: 200771.6/21



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: 924.640+/-789.050 χ^2/NDF:7.3/3

Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

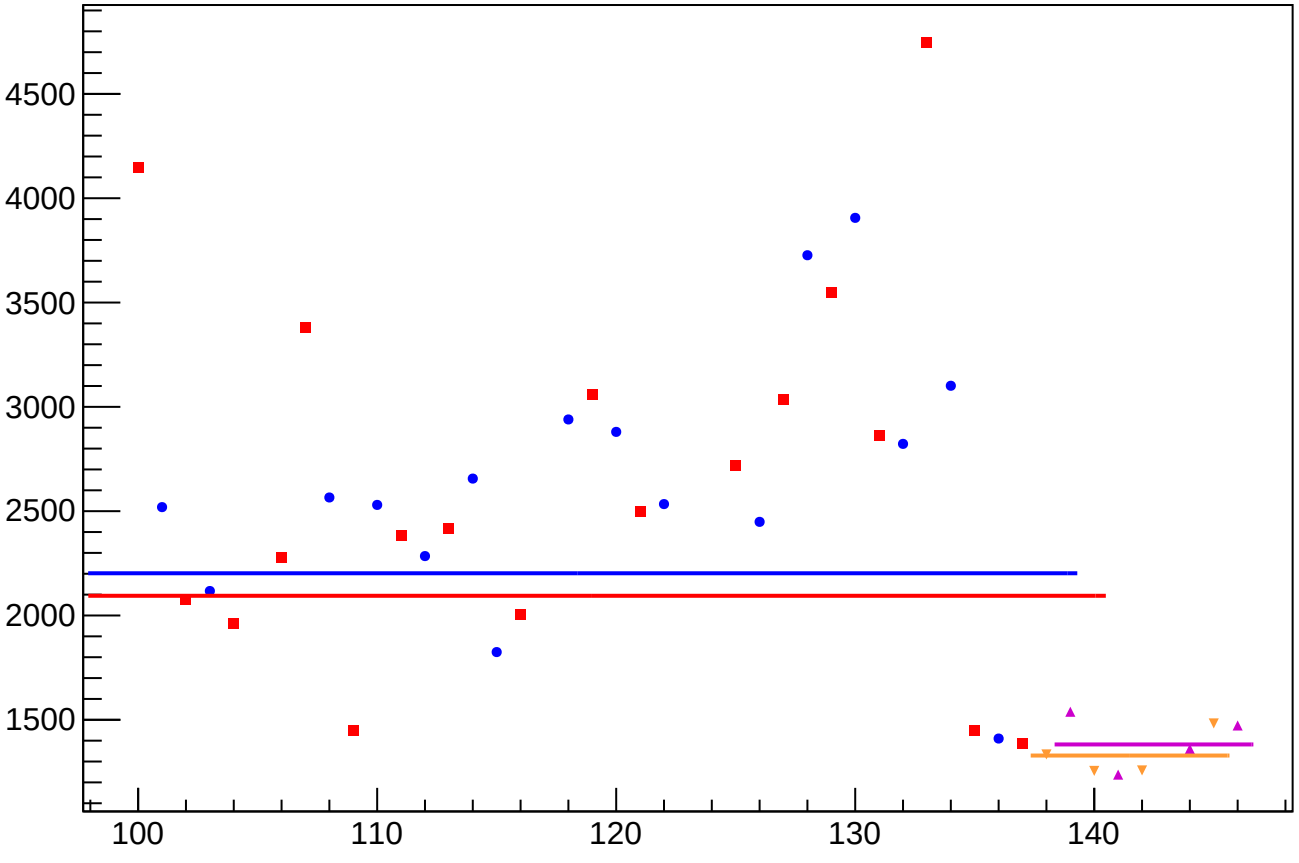
Left In: -490.096+/-739.970 χ^2/NDF:2.8/3

+ sign -216.391+/-581.334 χ^2/NDF: 34.5/19

All: -539.109+/-399.255 χ^2/NDF: 51.4/41

- sign -827.231+/-549.291 χ^2/NDF: 16.3/21

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1328.701+/-0.558 χ^2/NDF:26034.3/3

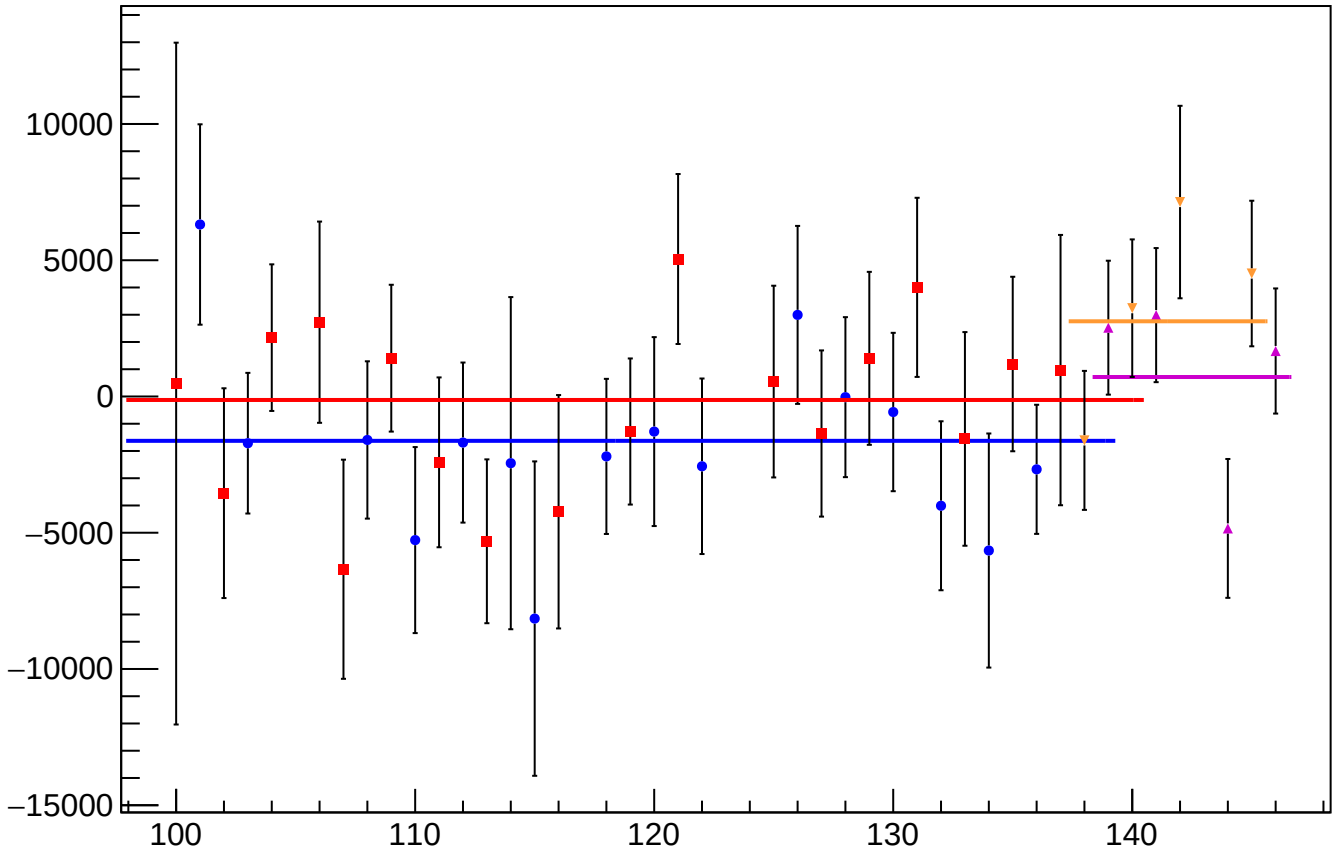
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1381.875+/-0.523 χ^2/NDF:48752.6/3

+ sign 1728.144+/-0.411 χ^2/NDF: 2370053.1/19

All: 1714.224+/-0.282 χ^2/NDF: 4627322.8/41

- sign 1701.796+/-0.388 χ^2/NDF: 2255099.2/21



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2759.398+/-1372.255 χ^2/NDF:4.9/3

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

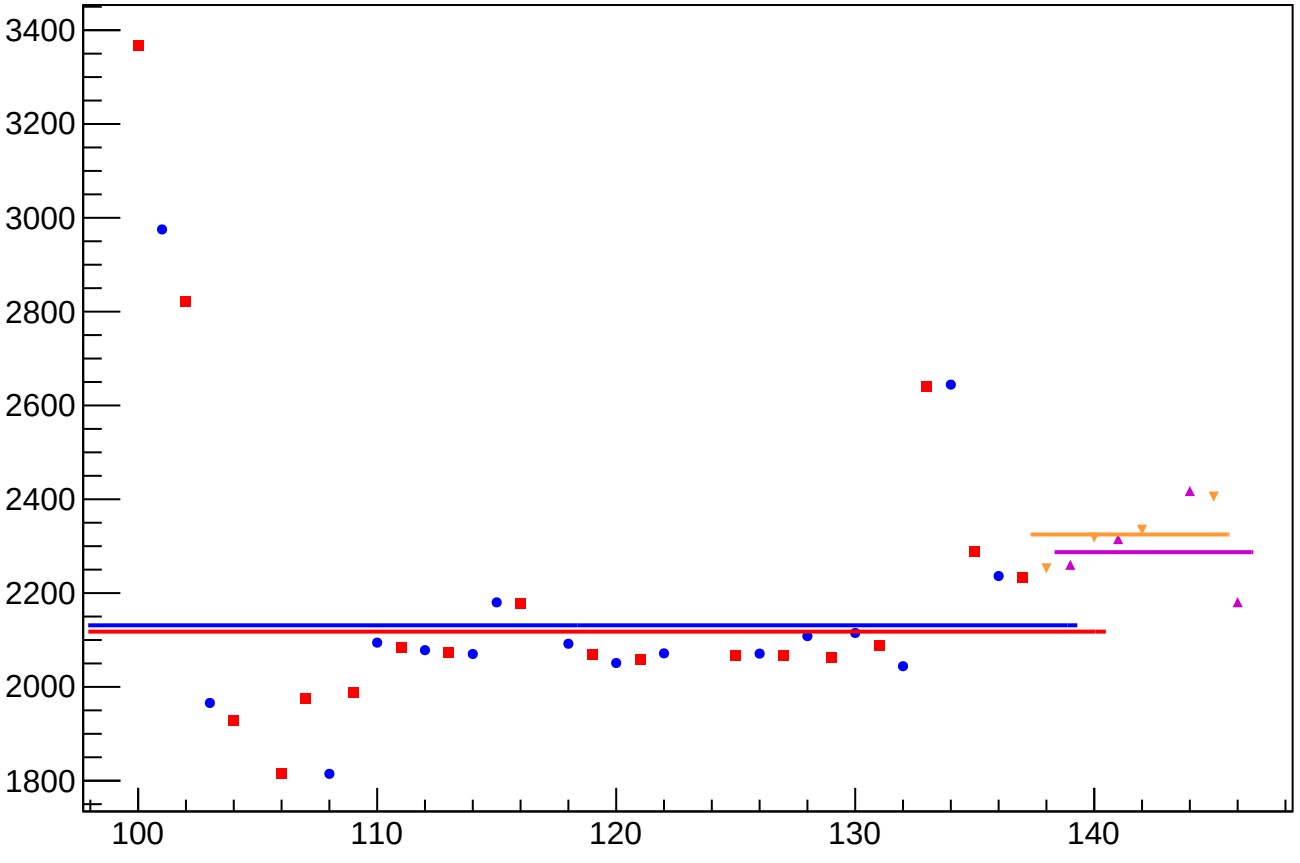
Left In: 714.694+/-1217.650 χ^2/NDF:6.3/3

+ sign -519.053+/-689.816 χ^2/NDF: 23.9/19

All: -186.235+/-479.209 χ^2/NDF: 45.6/41

- sign 124.192+/-666.208 χ^2/NDF: 21.2/21

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: 2324.950+/-0.970 χ^2/NDF:3461.3/3

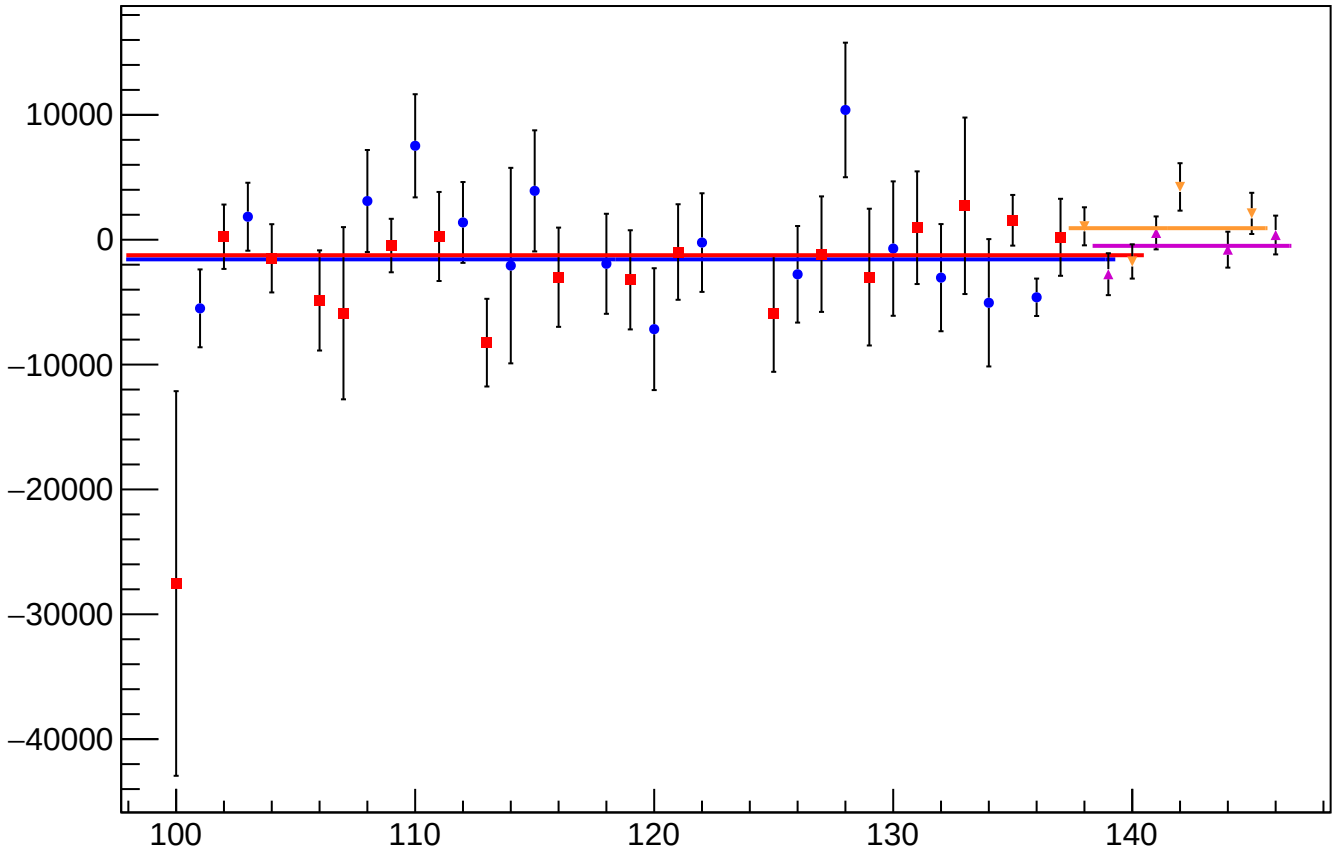
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2287.216+/-0.861 χ^2/NDF:10043.7/3

+ sign 2180.233+/-0.488 χ^2/NDF: 209169.2/19

All: 2174.194+/-0.339 χ^2/NDF: 410237.1/41

- sign 2168.561+/-0.471 χ^2/NDF: 200771.6/21



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: 924.650+/-789.055 χ^2/NDF:7.3/3

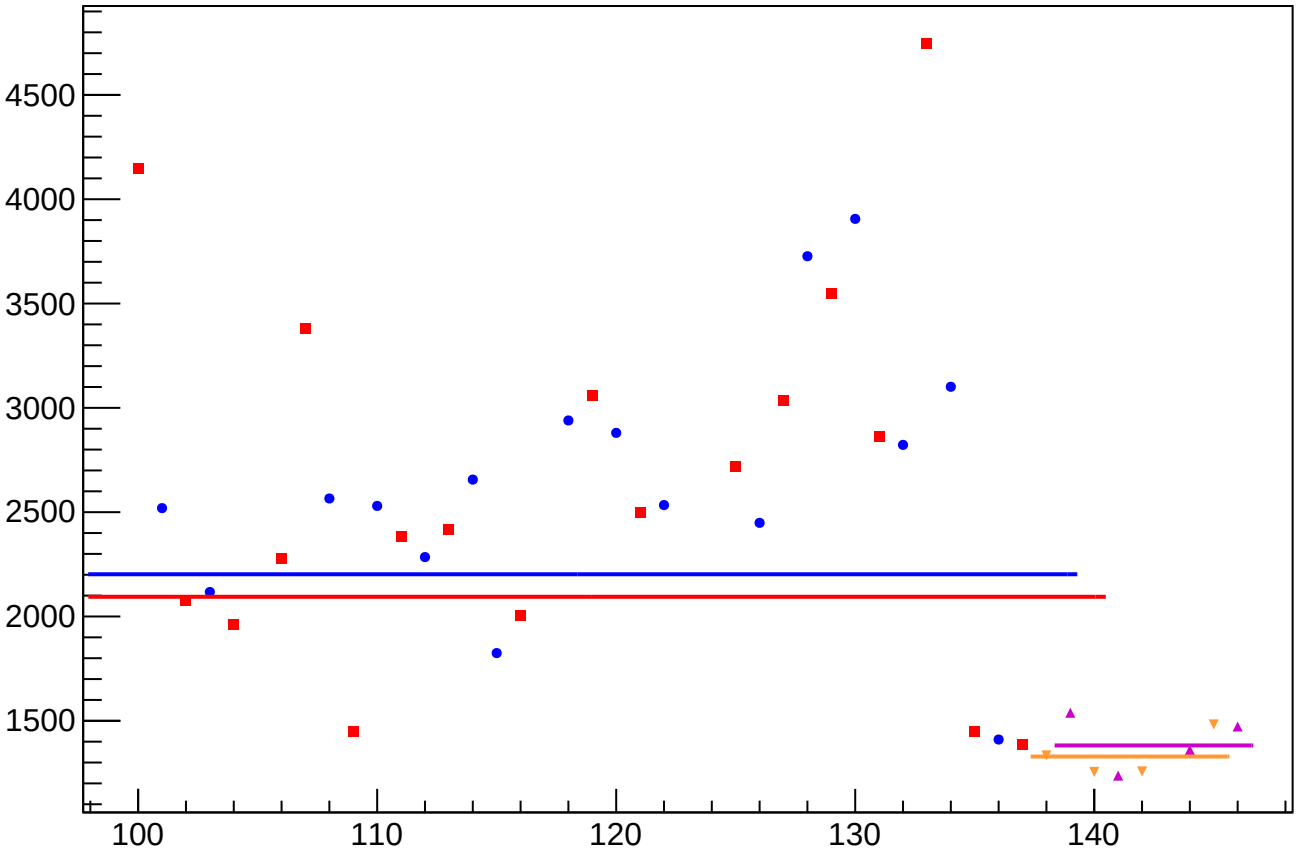
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -490.091+/-739.971 χ^2/NDF:2.8/3

+ sign -216.384+/-581.337 χ^2/NDF: 34.5/19

All: -539.108+/-399.256 χ^2/NDF: 51.4/41

- sign -827.234+/-549.292 χ^2/NDF: 16.3/21



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1328.710+/-0.558 χ^2/NDF:26033.1/3

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

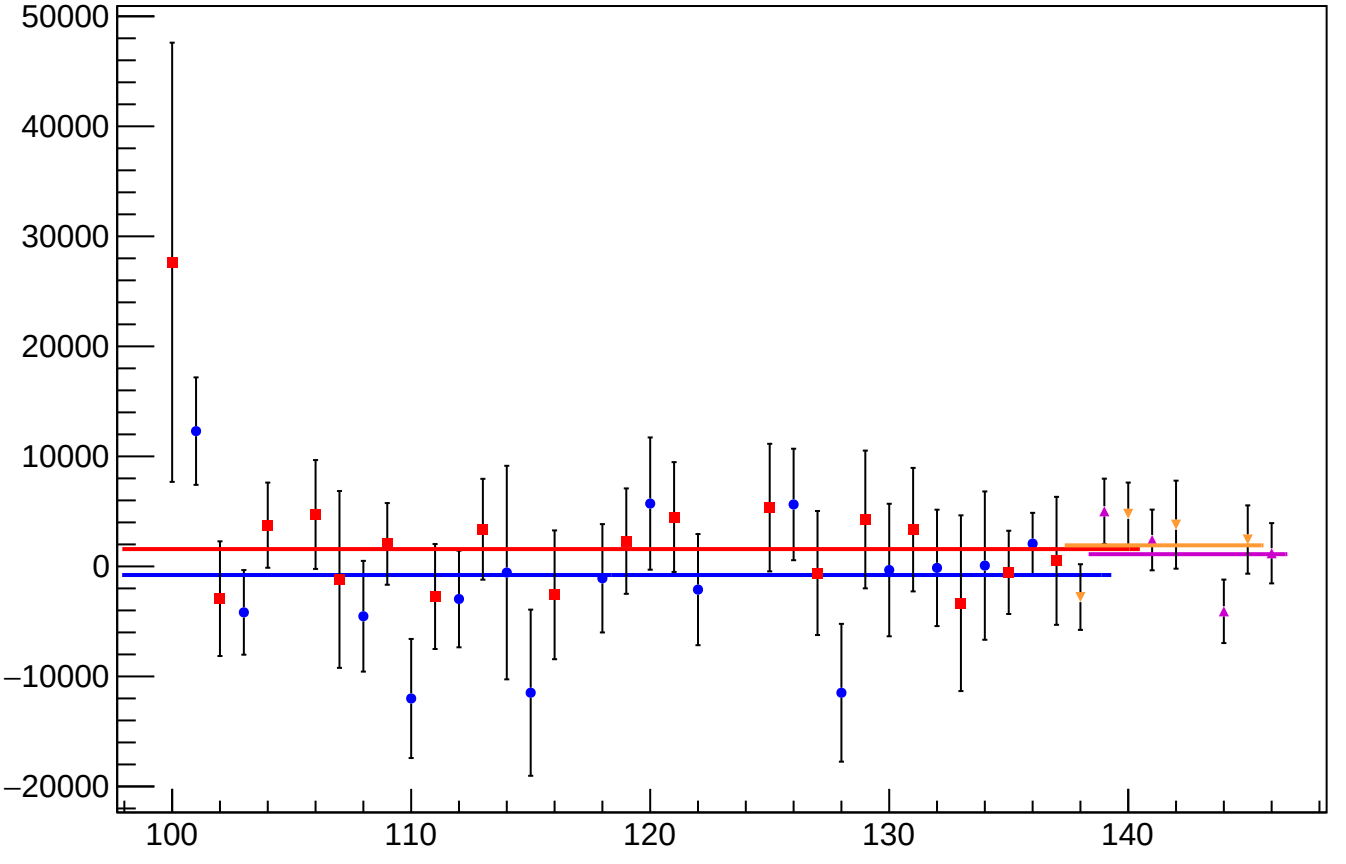
Left In: 1381.877+/-0.523 χ^2/NDF:48754.5/3

+ sign 1728.156+/-0.411 χ^2/NDF: 2369989.1/19

All: 1714.232+/-0.282 χ^2/NDF: 4627234.4/41

- sign 1701.801+/-0.388 χ^2/NDF: 2255073.7/21

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1915.642+/-1576.073 χ^2/NDF:3.7/3

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

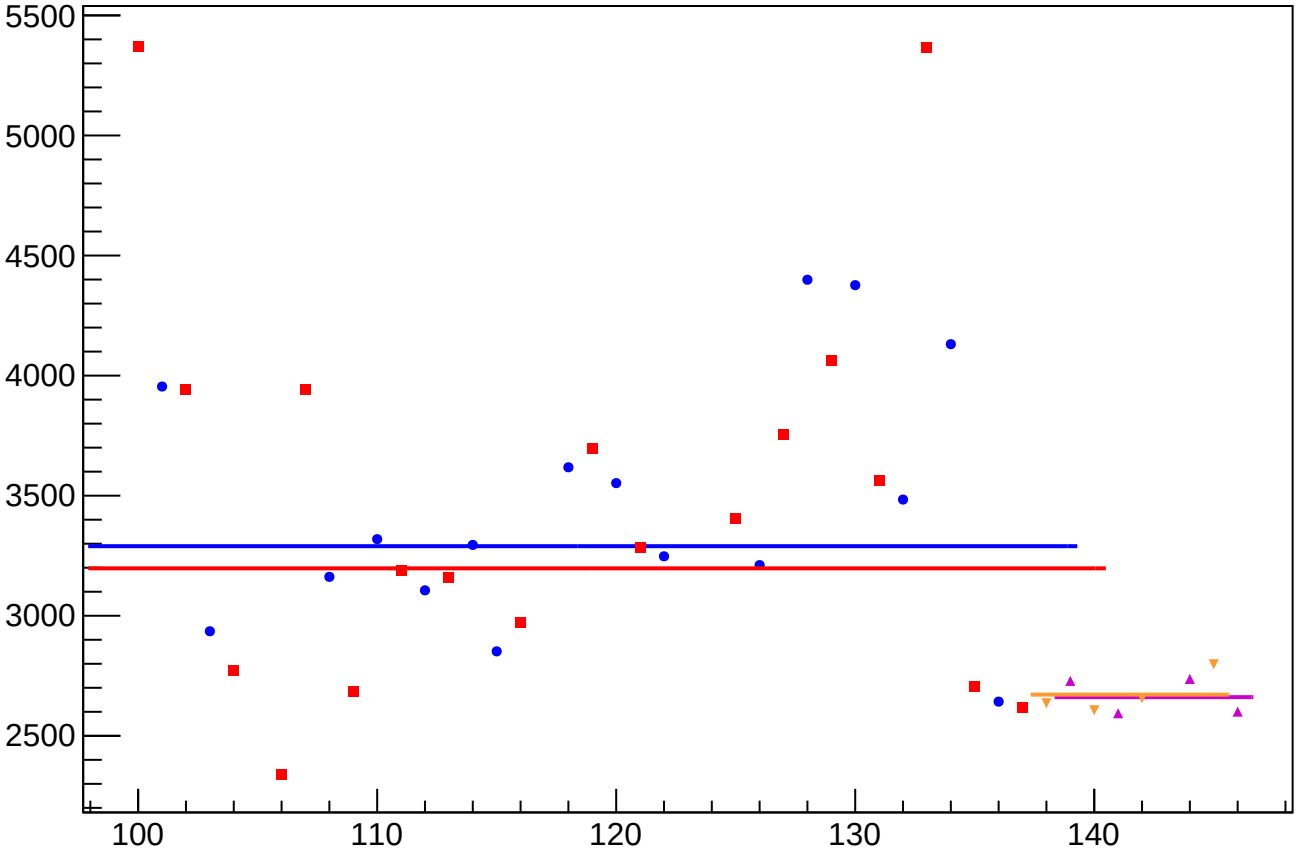
Left In: 1111.039+/-1416.377 χ^2/NDF:5.2/3

\+ sign 251.395+/-975.367 χ^2/NDF: 27.5/19

All: 844.876+/-670.759 χ^2/NDF: 40.1/41

\- sign 1377.394+/-923.915 χ^2/NDF: 12.0/21

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2671.703+/-1.114 χ^2/NDF:4688.5/3

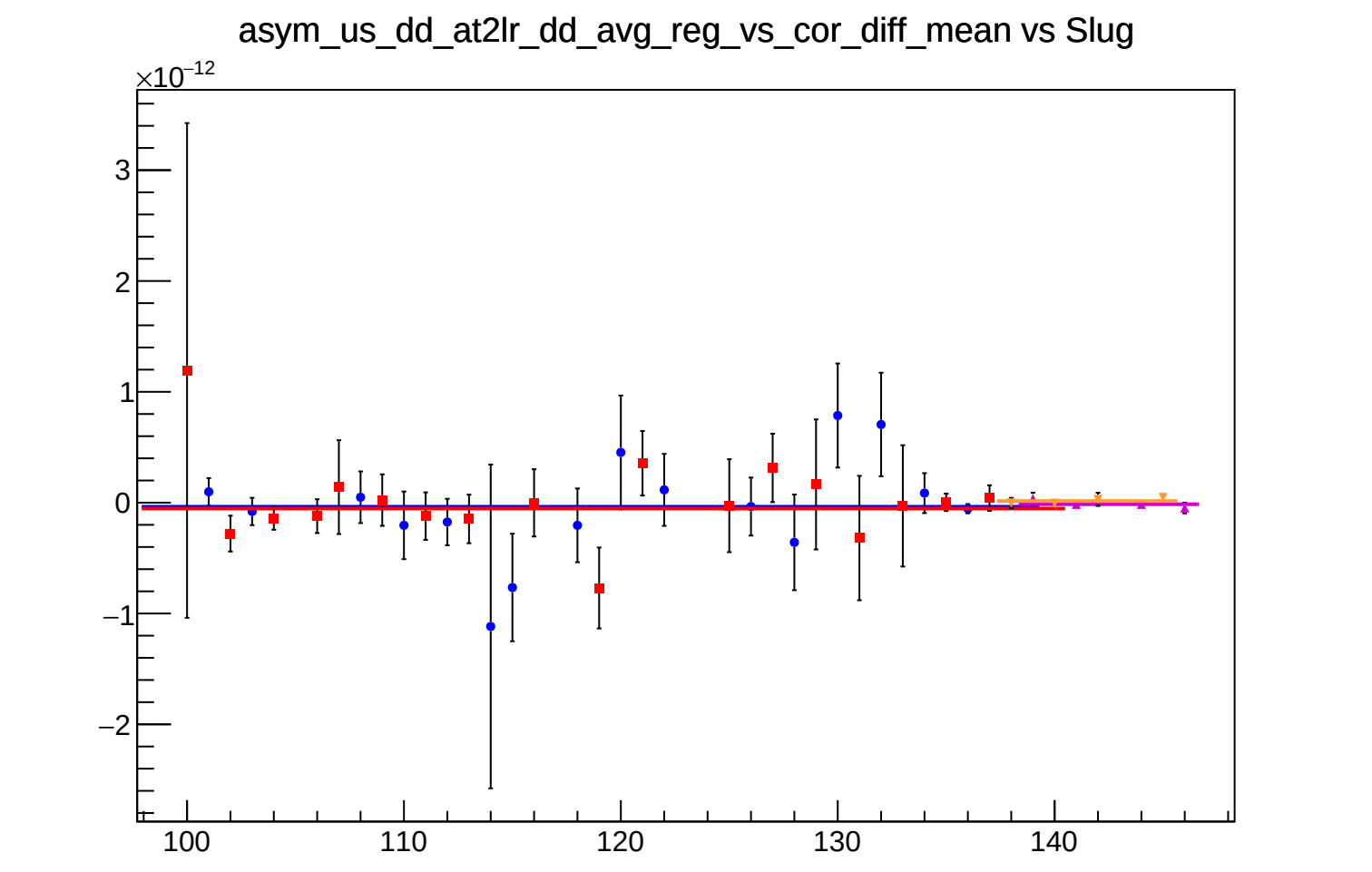
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

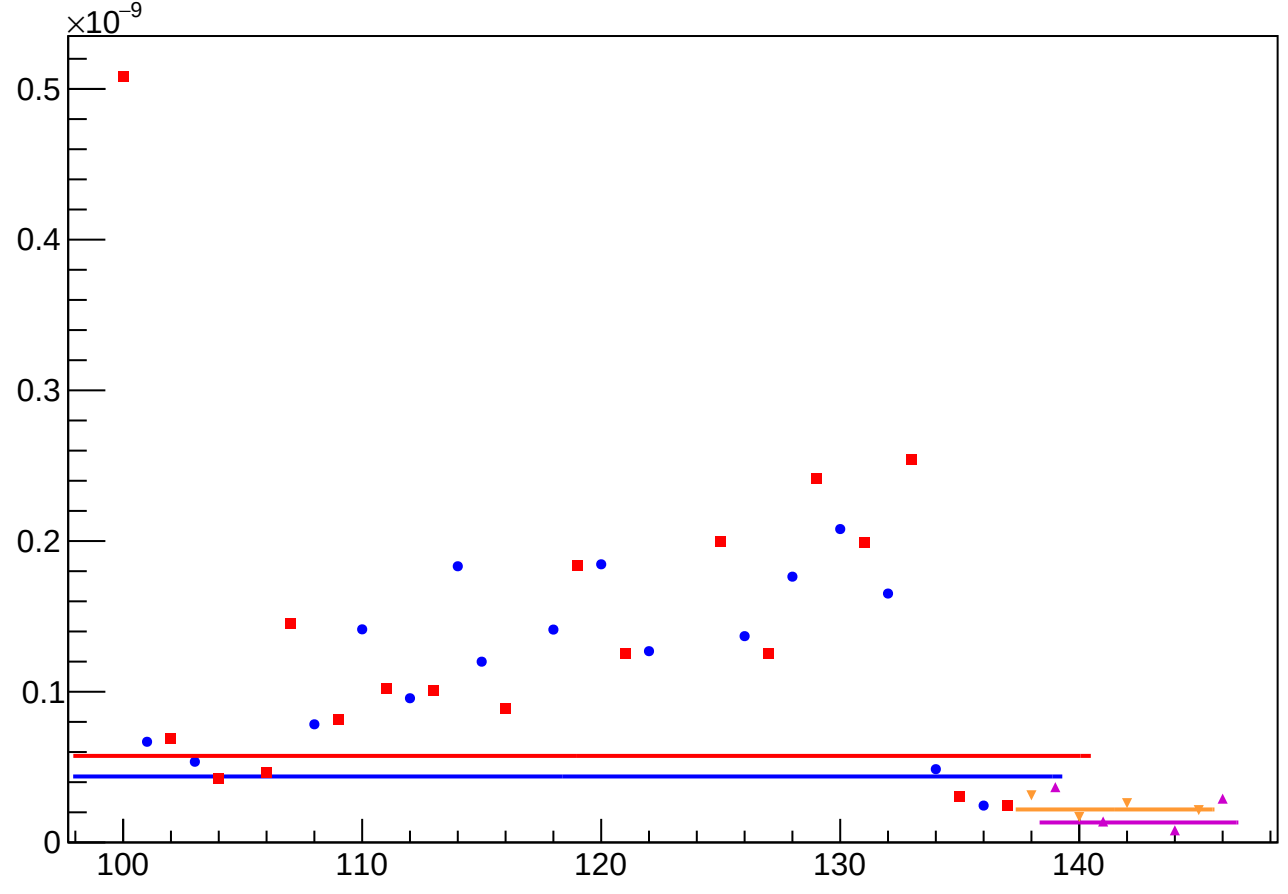
Left In: 2661.035+/-1.002 χ^2/NDF:4577.0/3

+ sign 3053.009+/-0.690 χ^2/NDF: 542010.3/19

All: 3008.816+/-0.474 χ^2/NDF: 1219067.8/41

- sign 2969.163+/-0.653 χ^2/NDF: 669267.6/21


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
3
2
1
0
−1
−2
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:1.4/3
+ sign 0.000+/-0.000 χ²/NDF: 16.2/19
All: -0.000+/-0.000 χ²/NDF: 31.7/41
- sign -0.000+/-0.000 χ²/NDF: 14.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:142276.4/3

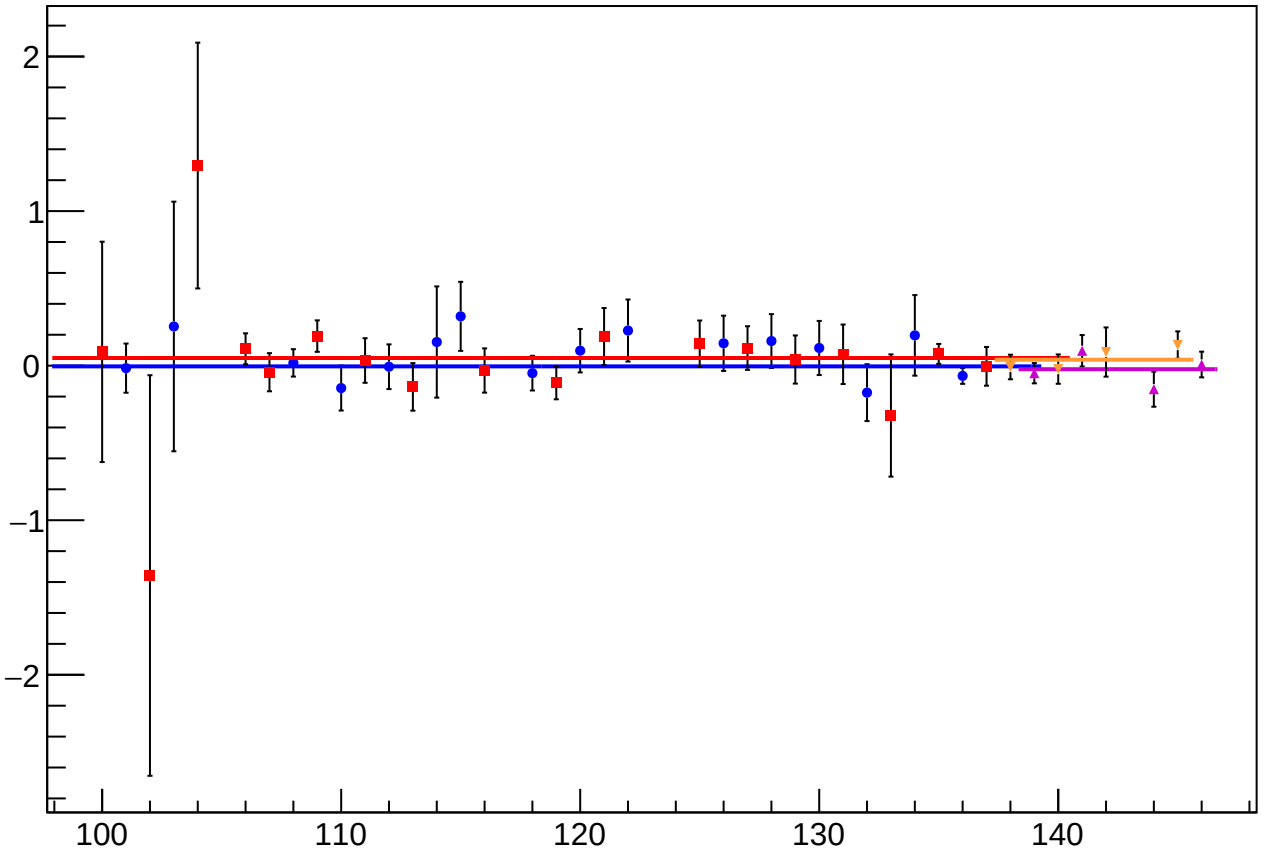
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:777607.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 2976053.2/19

All: 0.000+/-0.000 χ^2/NDF: 8137401.8/41

- sign 0.000+/-0.000 χ^2/NDF: 4744084.9/21



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: 0.038+/-0.048 χ^2/NDF:2.0/3

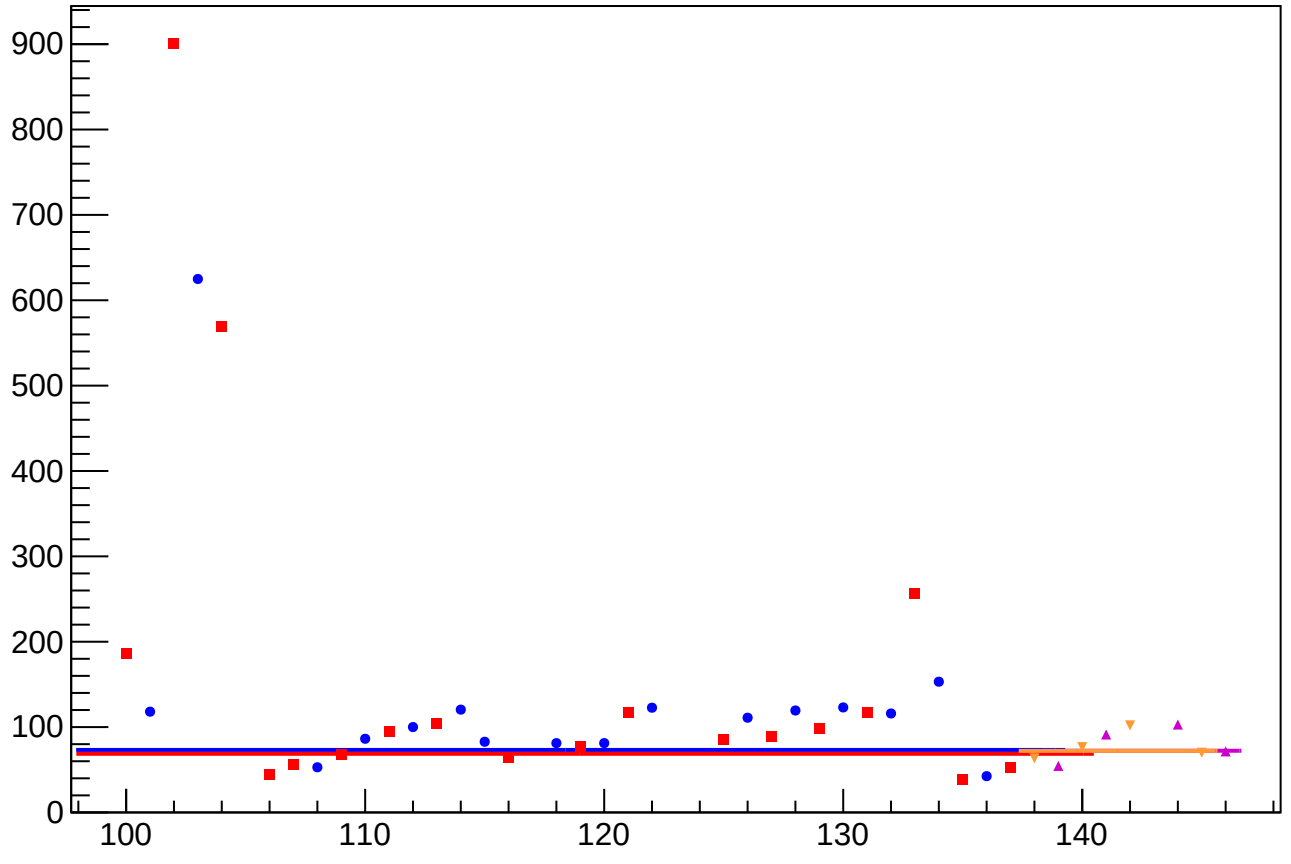
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.023+/-0.043 χ^2/NDF:3.0/3

+ sign 0.009+/-0.027 χ^2/NDF: 12.9/19

All: 0.017+/-0.018 χ^2/NDF: 30.9/41

- sign 0.024+/-0.025 χ^2/NDF: 17.8/21



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 72.129+/-0.034 χ^2/NDF:99971.2/3

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

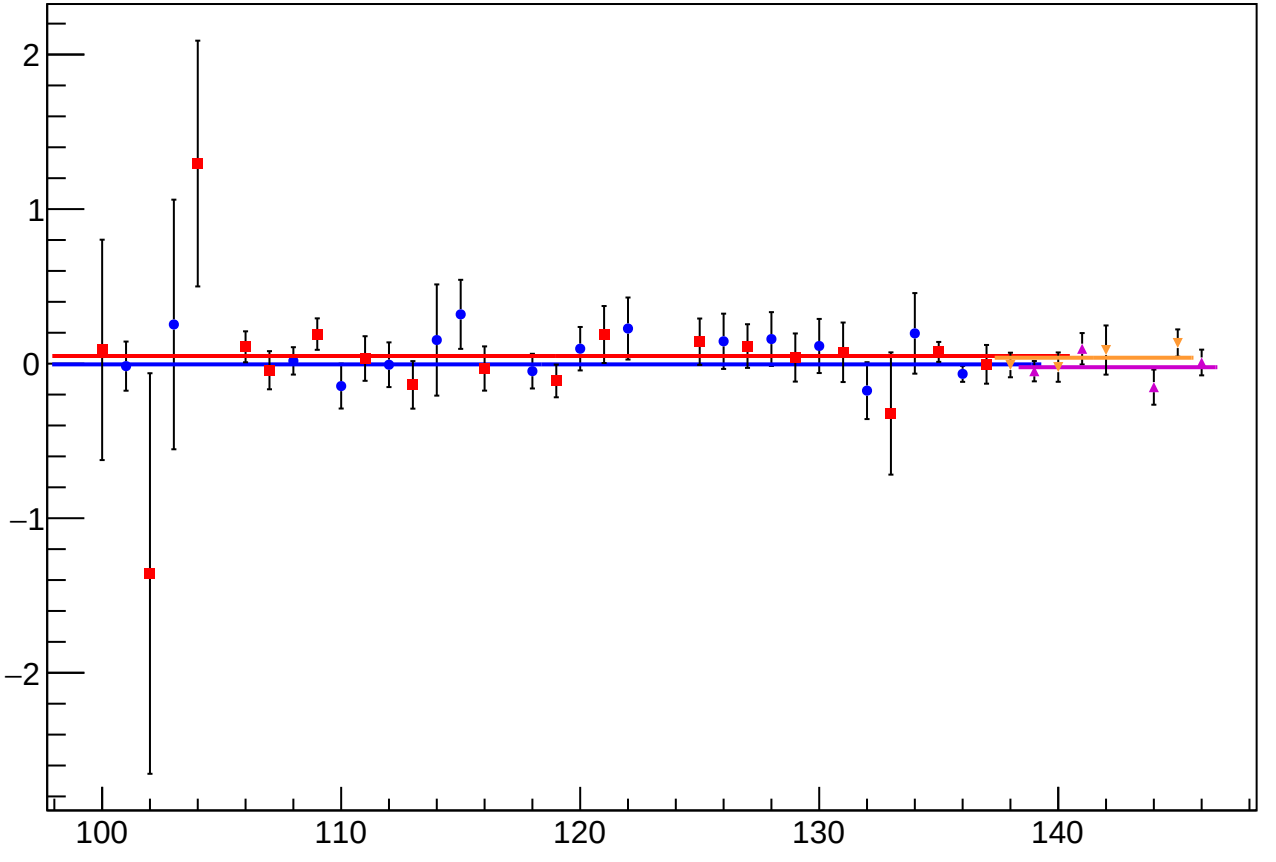
Left In: 72.278+/-0.030 χ^2/NDF:362674.6/3

+ sign 72.889+/-0.019 χ^2/NDF: 2955307.9/19

All: 71.366+/-0.013 χ^2/NDF: 6671065.6/41

- sign 69.988+/-0.018 χ^2/NDF: 3703379.6/21

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: 0.038+/-0.048 χ^2/NDF:2.0/3

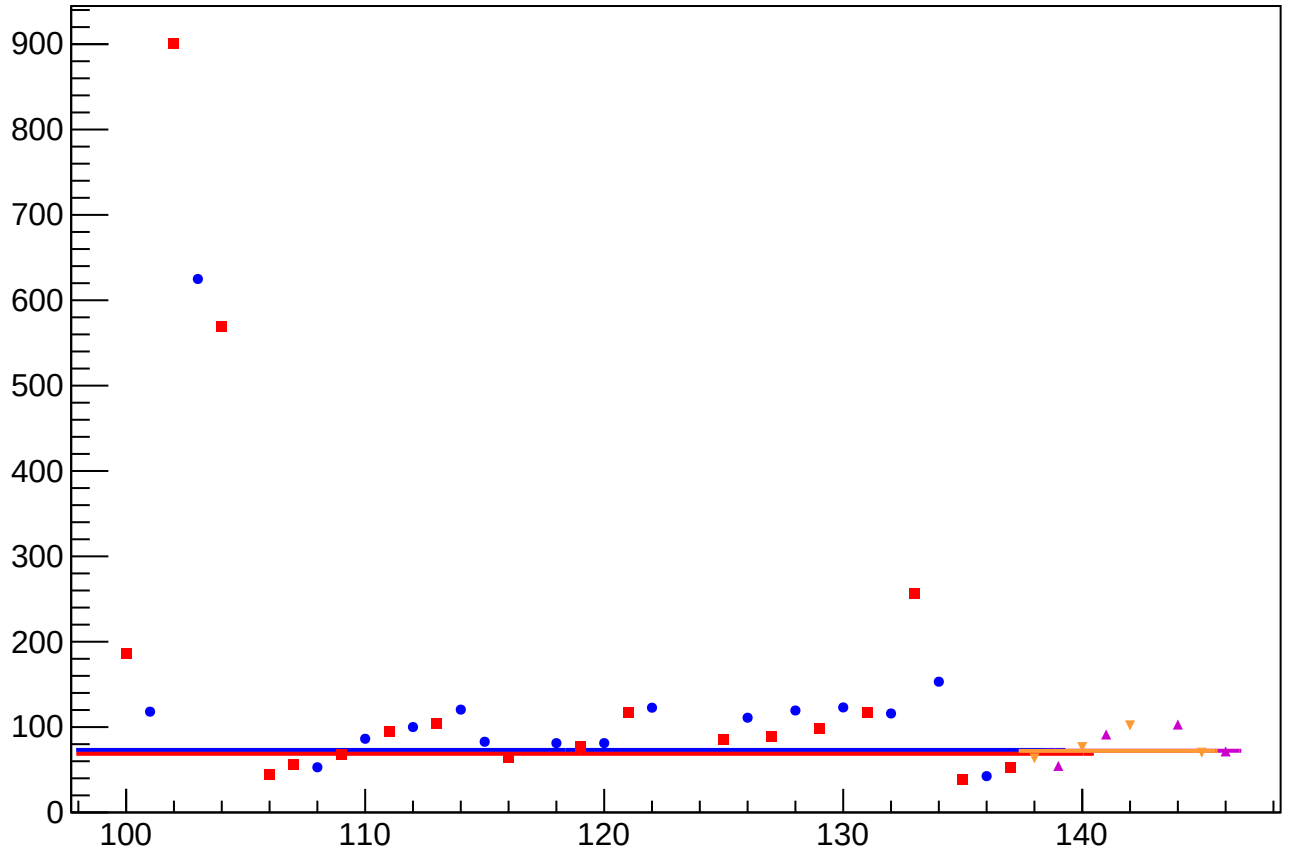
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.023+/-0.043 χ^2/NDF:3.0/3

+ sign 0.009+/-0.027 χ^2/NDF: 12.9/19

All: 0.017+/-0.018 χ^2/NDF: 30.9/41

- sign 0.024+/-0.025 χ^2/NDF: 17.8/21



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 72.129+/-0.034 χ^2/NDF:99971.2/3

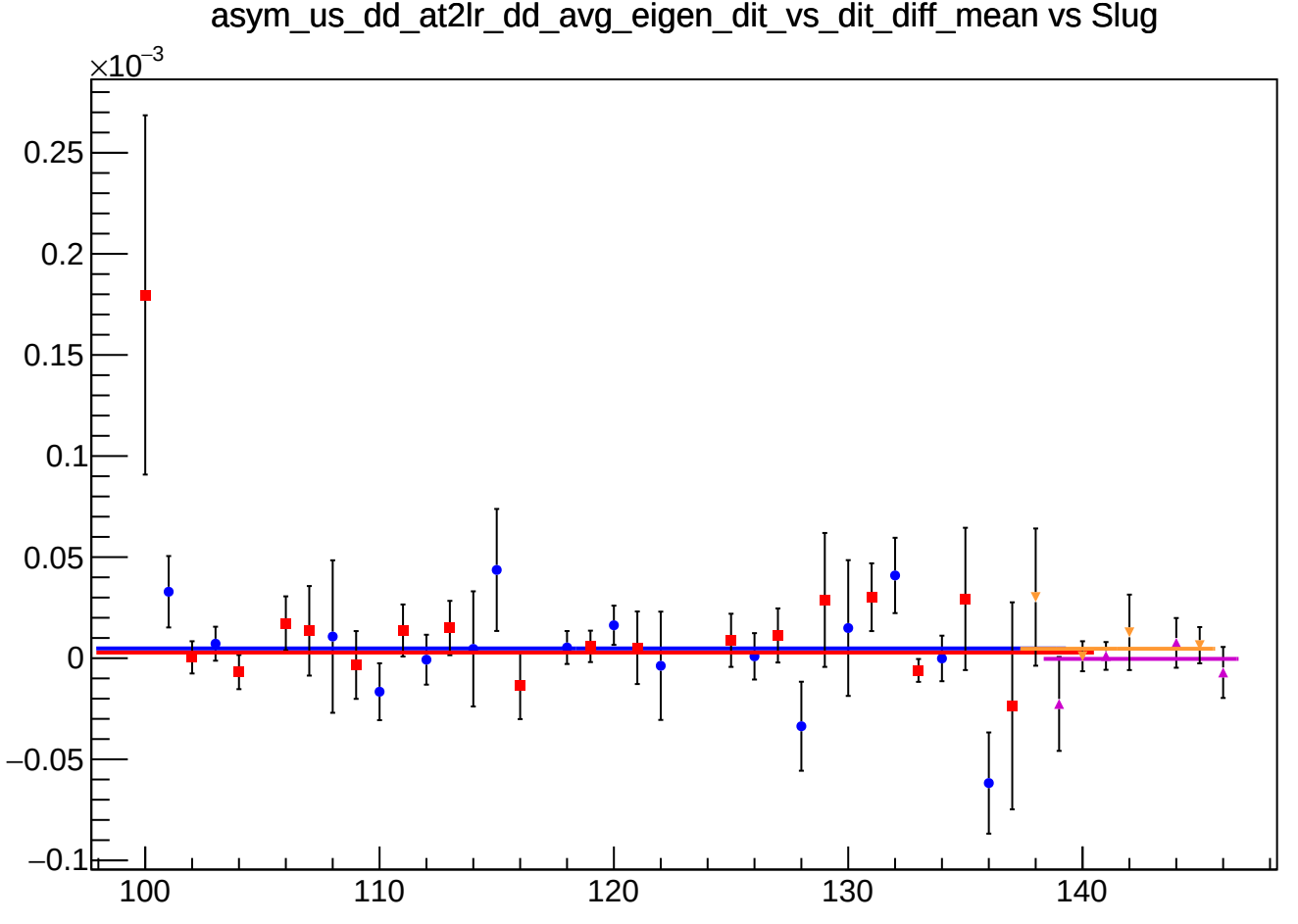
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.278+/-0.030 χ^2/NDF:362674.6/3

+ sign 72.889+/-0.019 χ^2/NDF: 2955307.9/19

All: 71.366+/-0.013 χ^2/NDF: 6671065.6/41

- sign 69.988+/-0.018 χ^2/NDF: 3703379.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

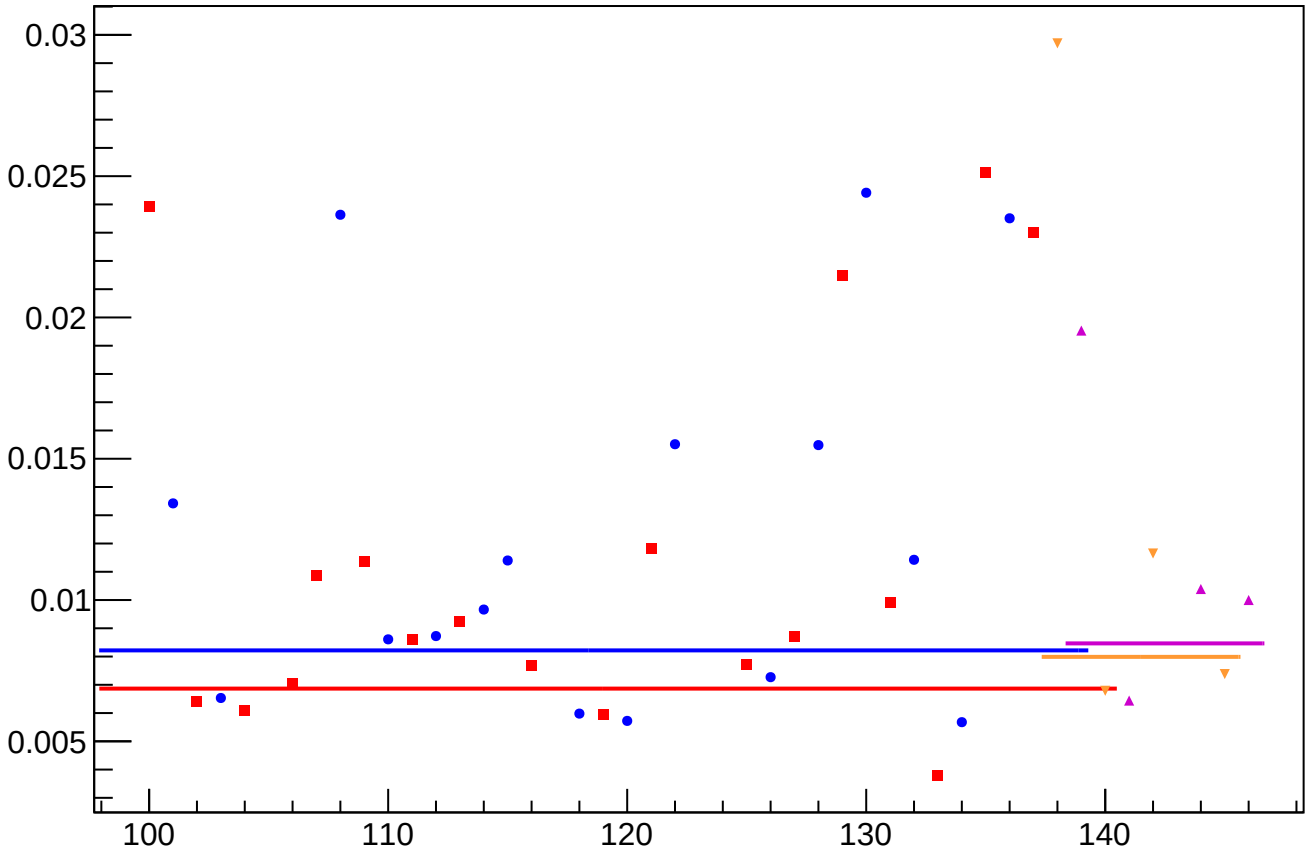
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/19

All: 0.000+/-0.000 χ^2/NDF: 42.8/41

- sign 0.000+/-0.000 χ^2/NDF: 18.7/21



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:957277.1/3

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

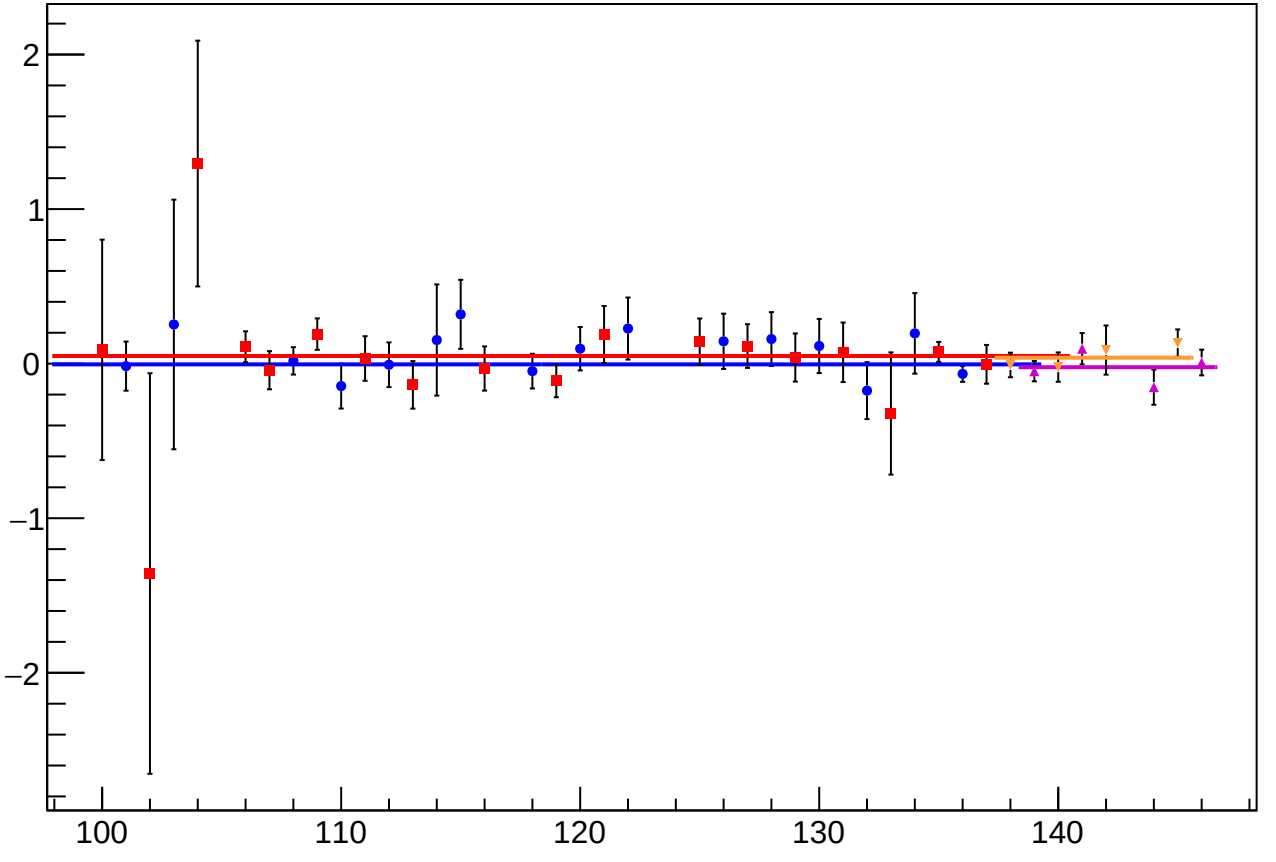
Left In: 0.008+/-0.000 χ^2/NDF:706114.4/3

+ sign 0.008+/-0.000 χ^2/NDF: 3615985.4/19

All: 0.008+/-0.000 χ^2/NDF: 7006975.8/41

- sign 0.007+/-0.000 χ^2/NDF: 3275336.4/21

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: 0.038+/-0.048 χ^2/NDF:2.0/3

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

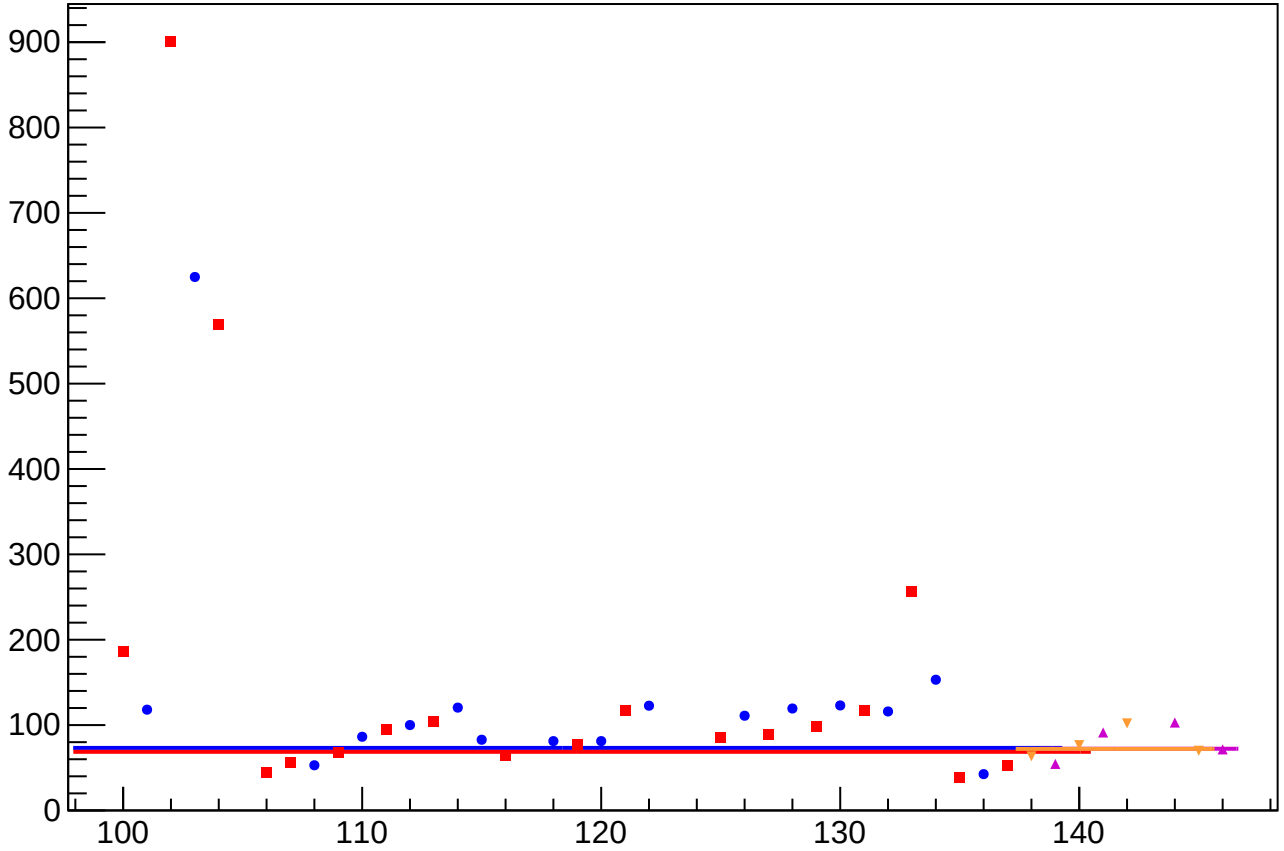
Left In: -0.023+/-0.043 χ^2/NDF:3.0/3

+ sign 0.009+/-0.027 χ^2/NDF: 12.9/19

All: 0.017+/-0.018 χ^2/NDF: 30.9/41

- sign 0.024+/-0.025 χ^2/NDF: 17.8/21

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 72.132+/-0.034 χ^2/NDF:99962.5/3

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

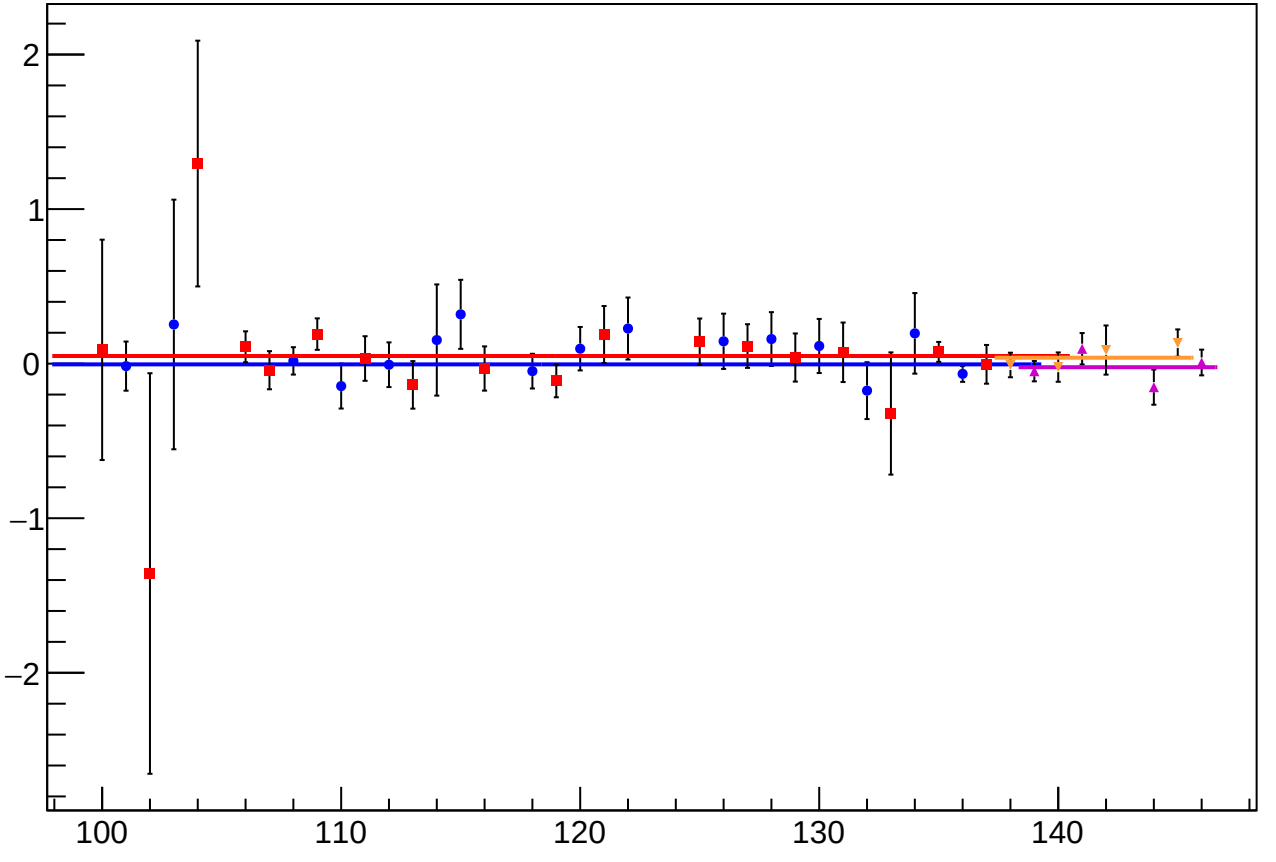
Left In: 72.285+/-0.030 χ^2/NDF:362408.4/3

+ sign 72.908+/-0.019 χ^2/NDF: 2953033.0/19

All: 71.371+/-0.013 χ^2/NDF: 6669815.2/41

- sign 69.983+/-0.018 χ^2/NDF: 3704205.0/21

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: 0.038+/-0.048 χ^2/NDF:2.0/3

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

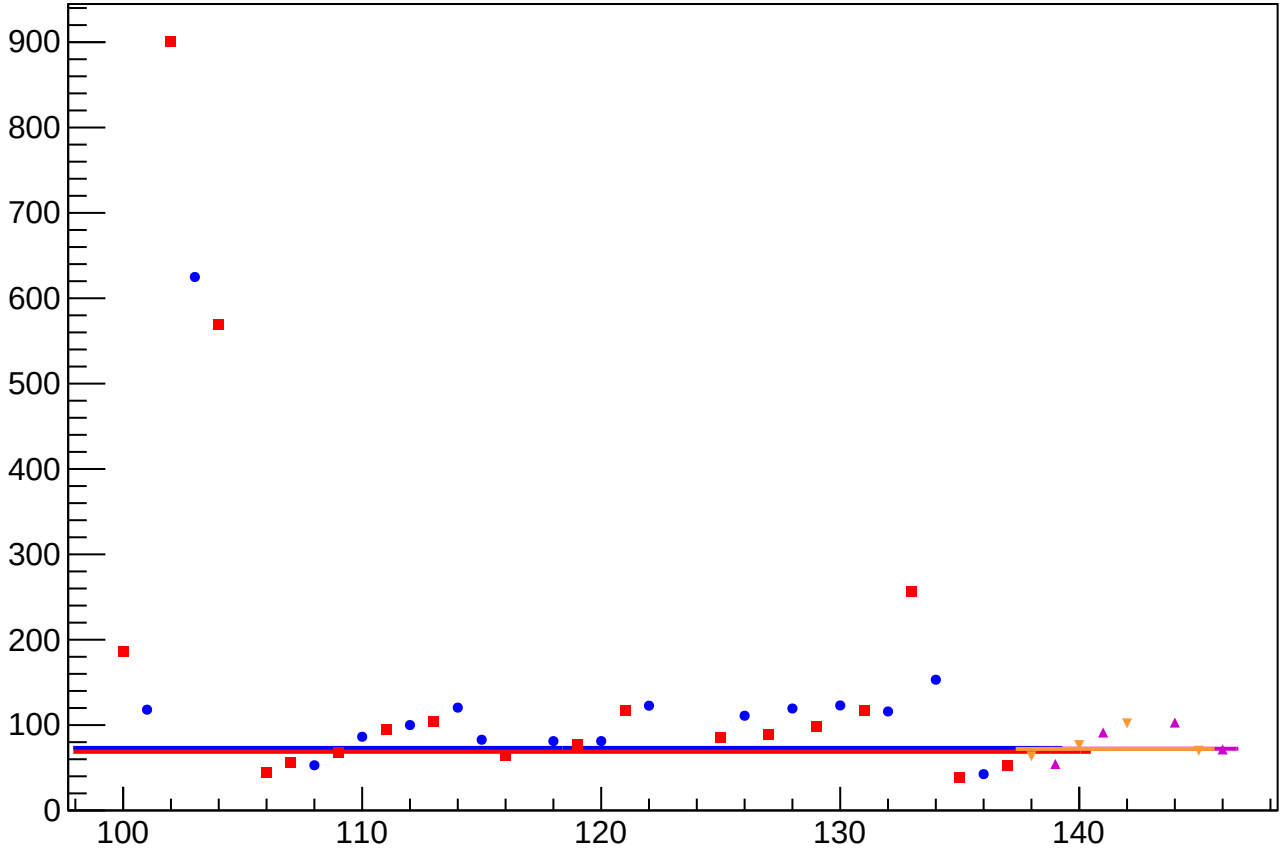
Left In: -0.023+/-0.043 χ^2/NDF:3.0/3

+ sign 0.009+/-0.027 χ^2/NDF: 12.9/19

All: 0.017+/-0.018 χ^2/NDF: 30.9/41

- sign 0.024+/-0.025 χ^2/NDF: 17.8/21

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 72.132+/-0.034 χ^2/NDF:99962.5/3

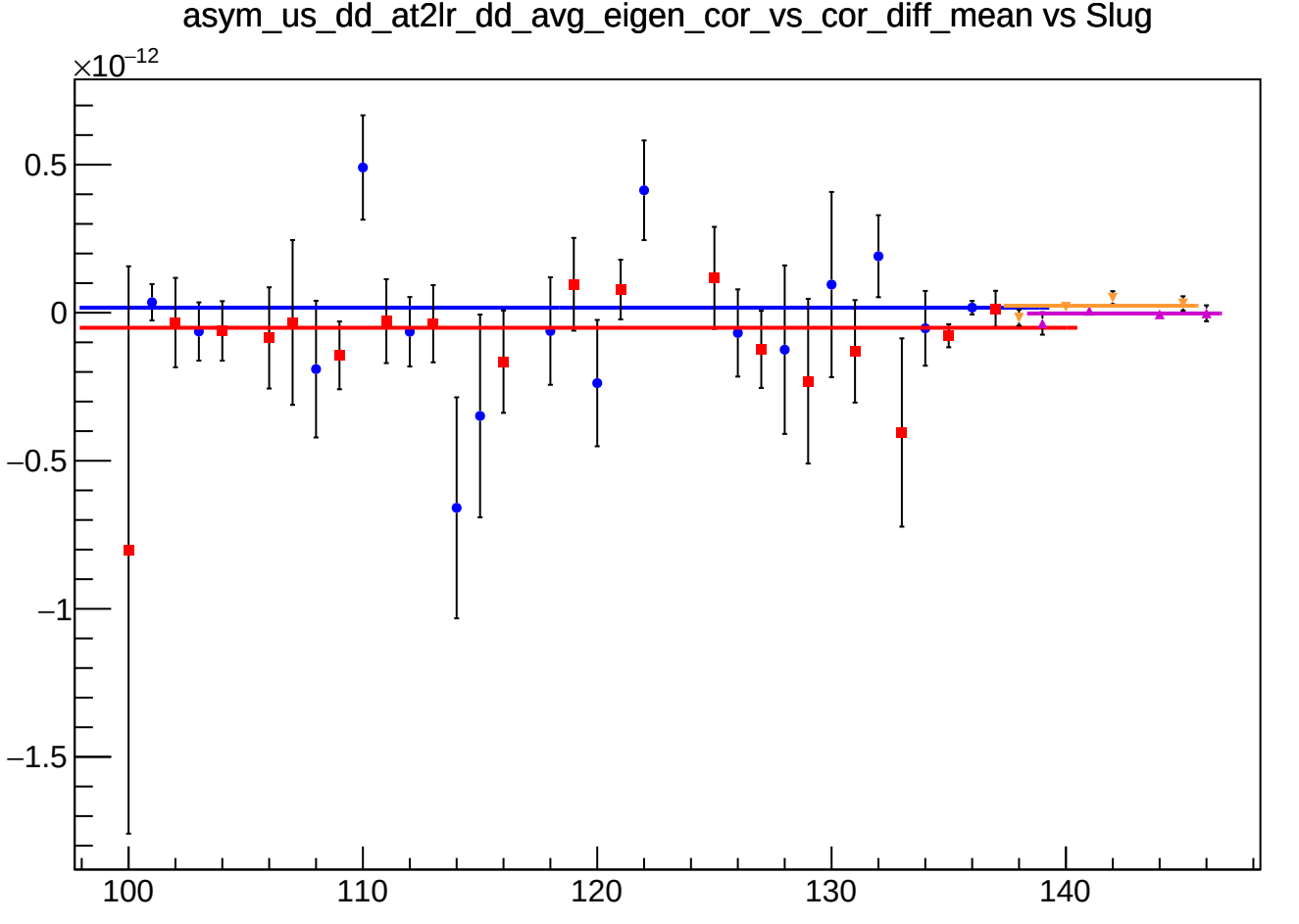
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.285+/-0.030 χ^2/NDF:362408.4/3

+ sign 72.908+/-0.019 χ^2/NDF: 2953033.0/19

All: 71.371+/-0.013 χ^2/NDF: 6669815.2/41

- sign 69.983+/-0.018 χ^2/NDF: 3704205.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/3

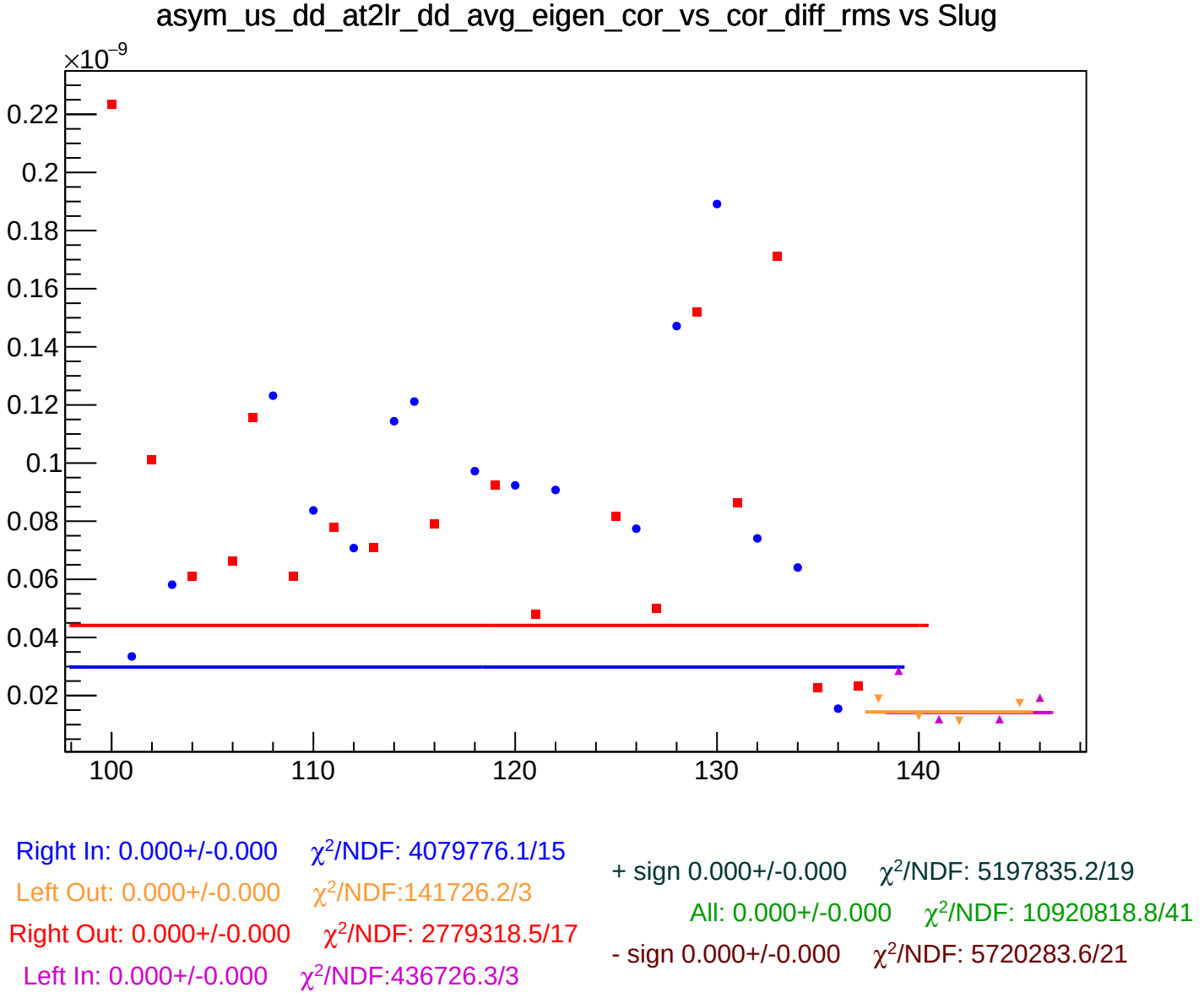
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

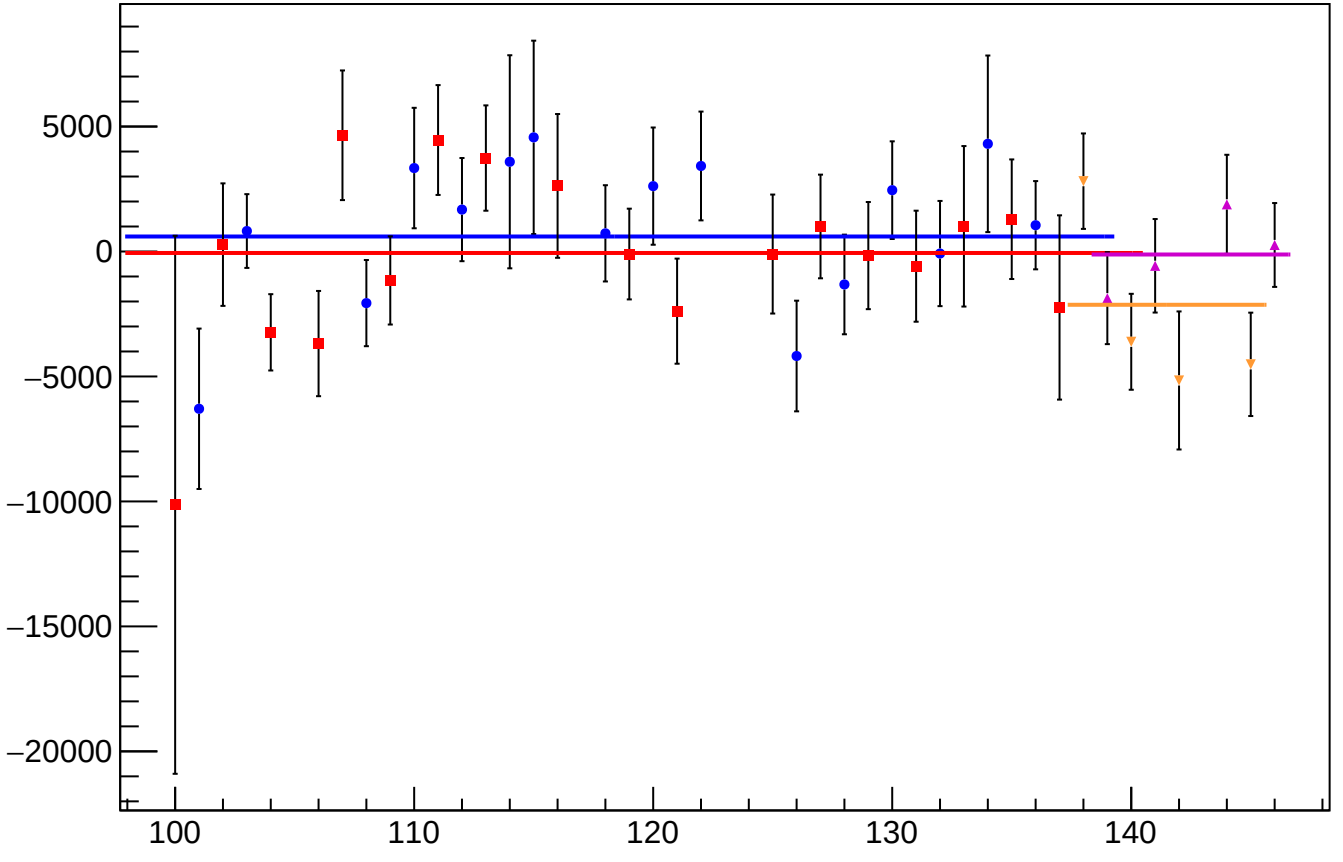
+ sign 0.000+/-0.000 χ^2/NDF: 27.4/19

All: 0.000+/-0.000 χ^2/NDF: 46.5/41

- sign -0.000+/-0.000 χ^2/NDF: 13.4/21


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
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:141726.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:436726.3/3
+ sign 0.000+/-0.000 χ²/NDF: 5197835.2/19
All: 0.000+/-0.000 χ²/NDF: 10920818.8/41
- sign 0.000+/-0.000 χ²/NDF: 5720283.6/21

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -2131.864+/-1047.935 χ^2/NDF:9.8/3

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

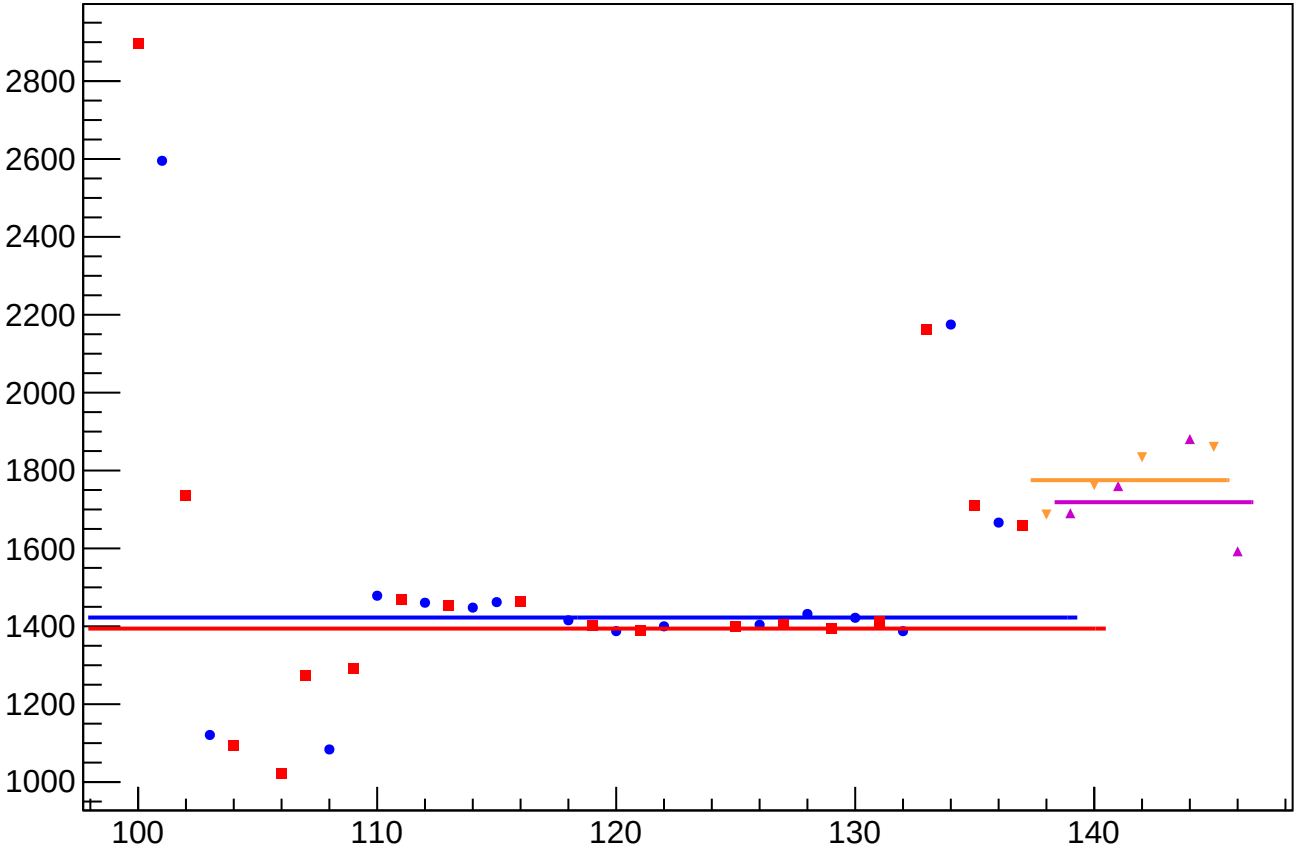
Left In: -119.985+/-916.187 χ^2/NDF:2.0/3

+ sign 26.829+/-480.055 χ^2/NDF: 35.5/19

All: -26.048+/-331.719 χ^2/NDF: 60.1/41

- sign -74.368+/-458.902 χ^2/NDF: 24.6/21

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1775.268+/-0.741 χ^2/NDF:8690.8/3

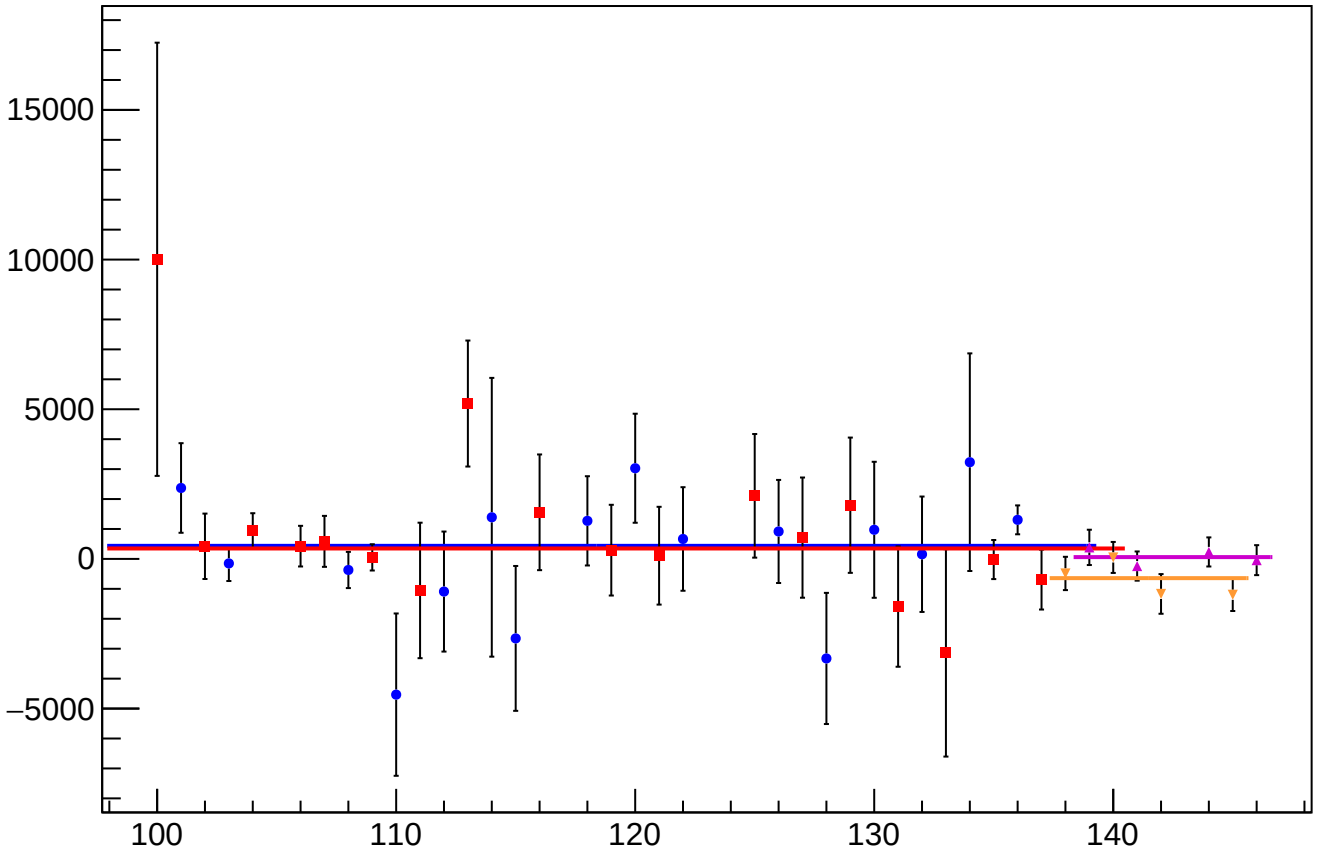
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

+ sign 1496.541+/-0.339 χ^2/NDF: 748015.6/19

All: 1485.592+/-0.235 χ^2/NDF: 1357771.3/41

- sign 1475.588+/-0.324 χ^2/NDF: 607764.9/21



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -642.500+/-281.280 χ^2/NDF:3.5/3

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

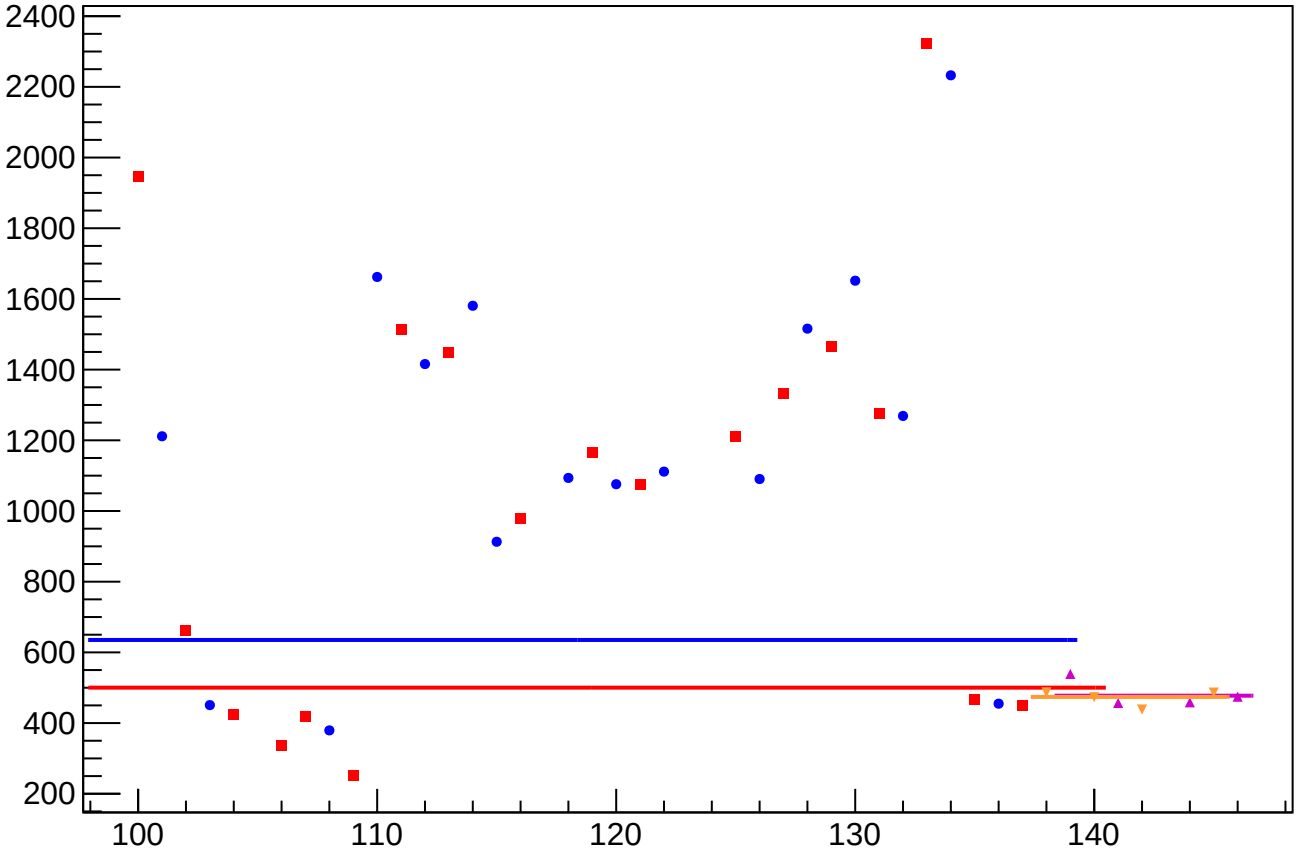
Left In: 60.463+/-255.590 χ^2/NDF:0.8/3

\+ sign -92.610+/-196.971 χ^2/NDF: 30.4/19

All: 82.820+/-129.766 χ^2/NDF: 47.2/41

\- sign 217.351+/-172.489 χ^2/NDF: 15.5/21

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: 473.991+/-0.199 χ^2/NDF:7934.7/3

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

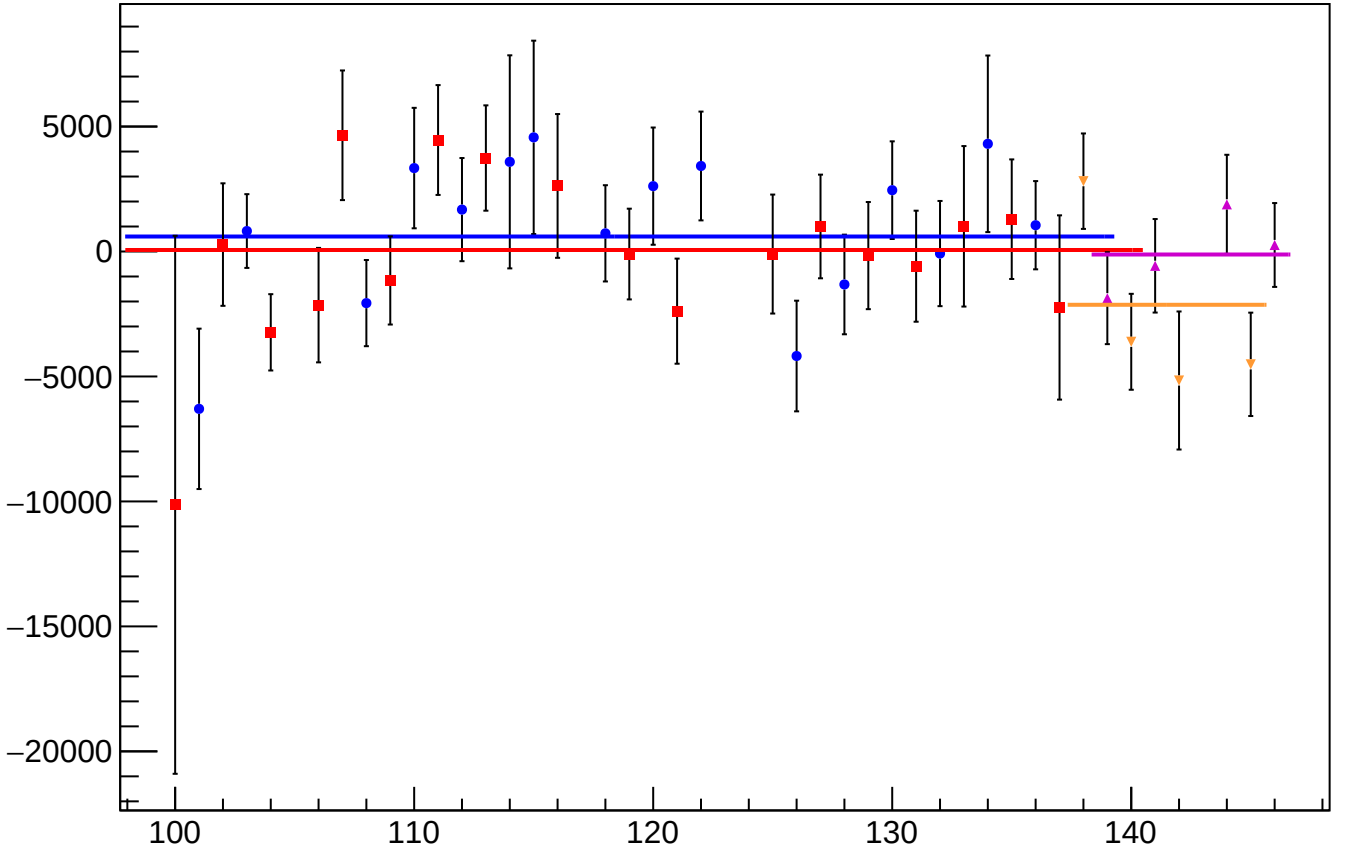
Left In: 477.485+/-0.181 χ^2/NDF:28441.9/3

+ sign 556.114+/-0.139 χ^2/NDF: 4095042.4/19

All: 518.623+/-0.092 χ^2/NDF: 8569228.6/41

- sign 489.872+/-0.122 χ^2/NDF: 4346161.1/21

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -2131.964+/-1047.935 χ^2/NDF:9.8/3

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

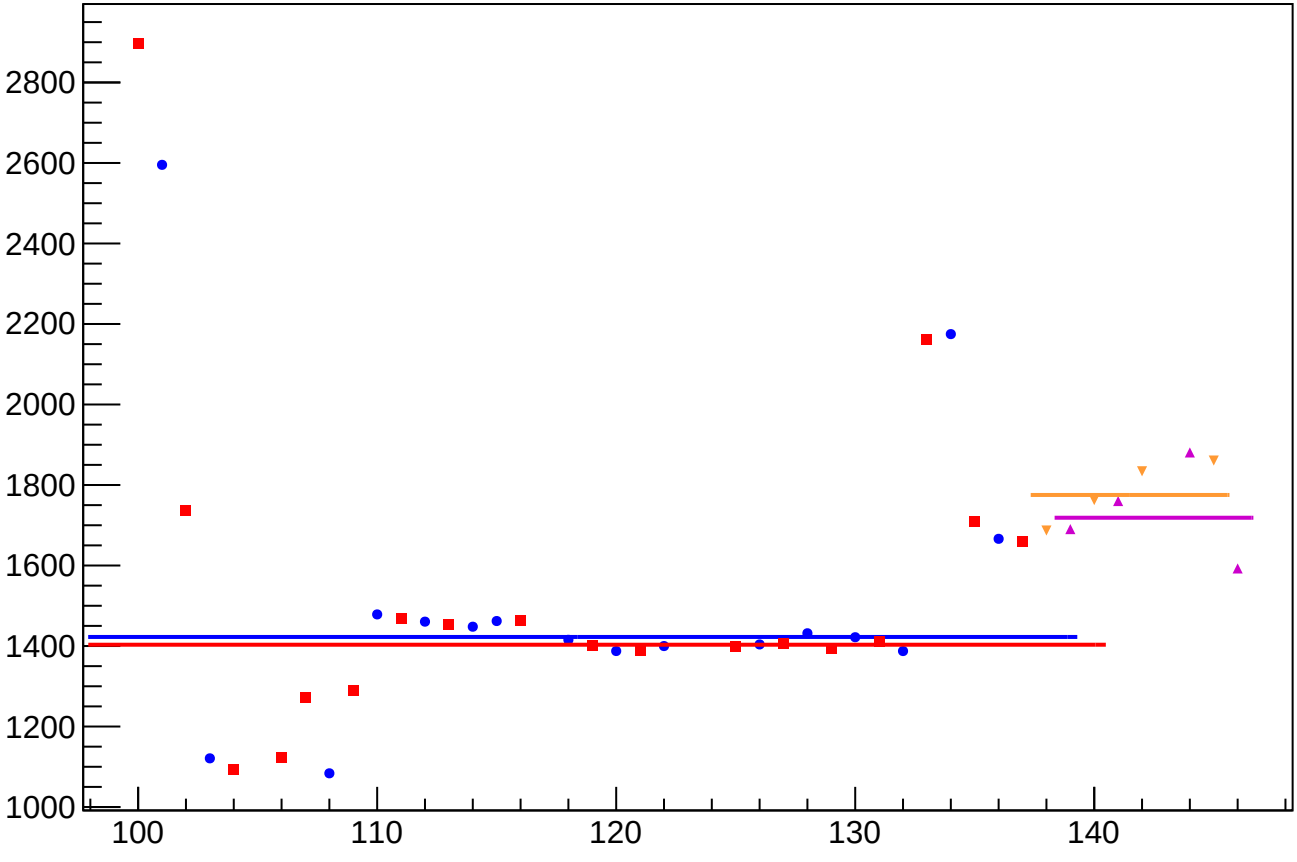
Left In: -120.041+/-916.187 χ^2/NDF:2.0/3

\+ sign 26.708+/-480.055 χ^2/NDF: 35.5/19

All: 20.490+/-332.357 χ^2/NDF: 58.0/41

\- sign 14.766+/-460.597 χ^2/NDF: 22.4/21

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1775.268+/-0.741 χ^2/NDF:8690.8/3

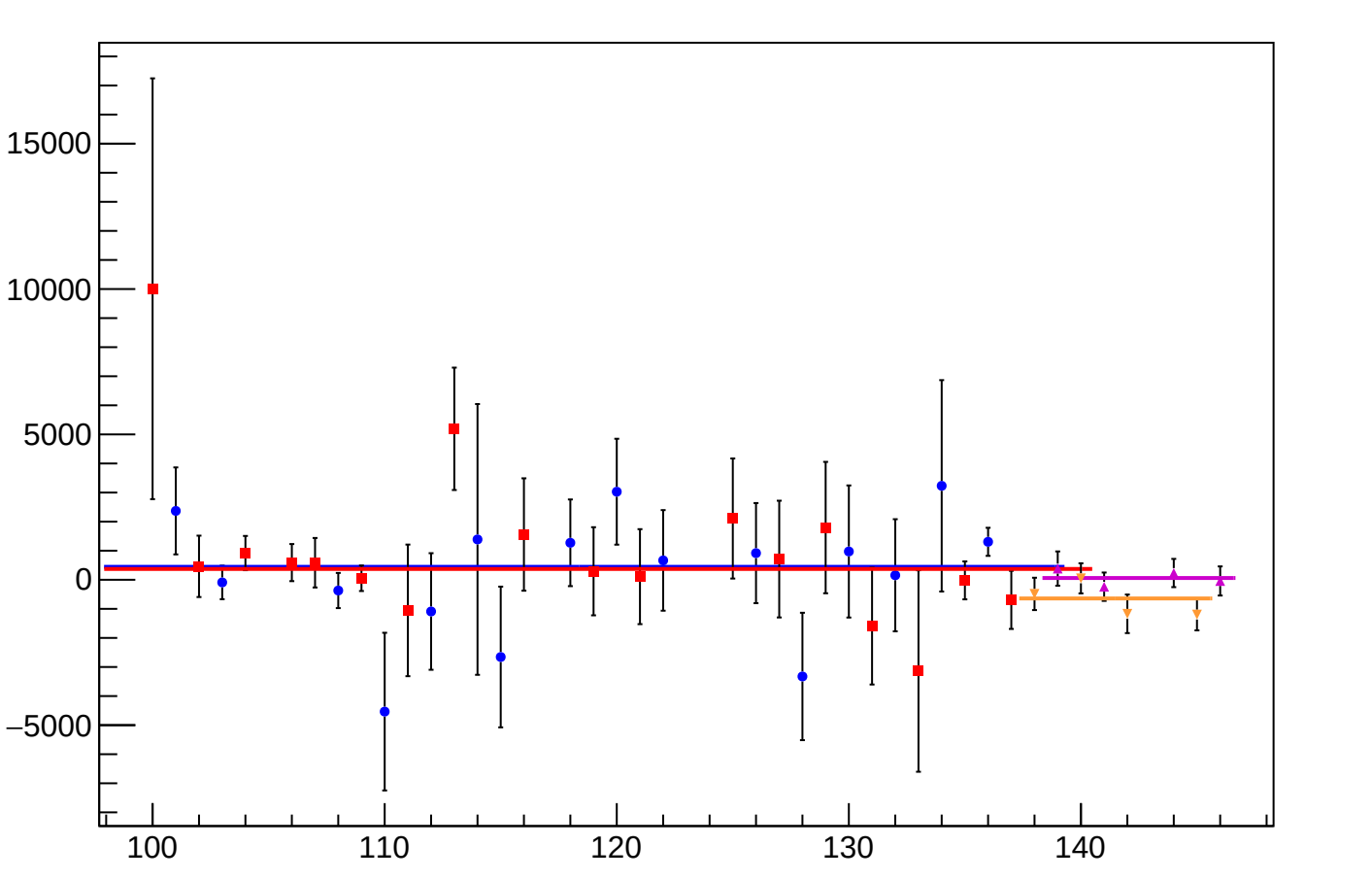
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

+ sign 1496.541+/-0.339 χ^2/NDF: 748015.9/19

All: 1489.465+/-0.235 χ^2/NDF: 1311285.2/41

- sign 1482.952+/-0.326 χ^2/NDF: 562435.0/21



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -642.590+/-281.293 χ^2/NDF:3.5/3

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

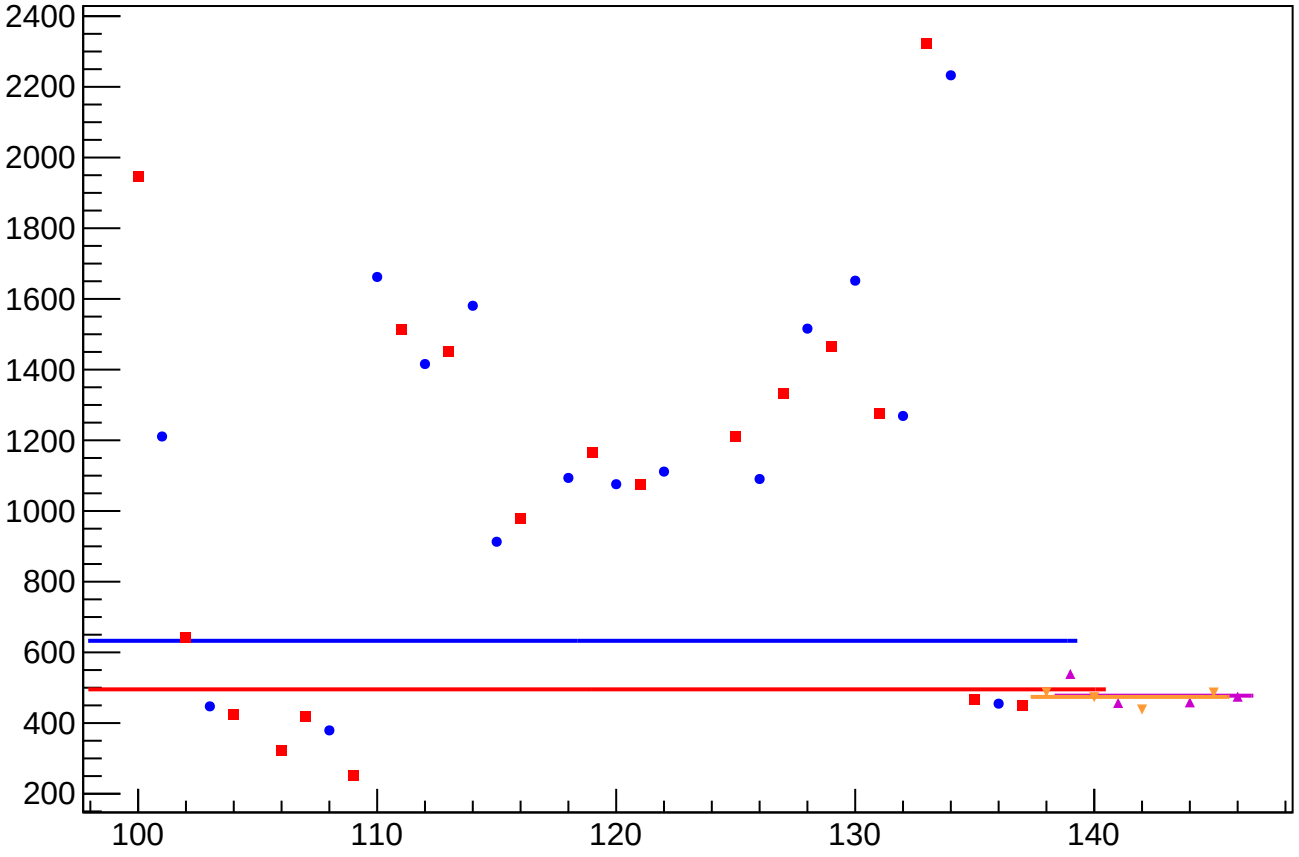
Left In: 60.621+/-255.588 χ^2/NDF:0.8/3

+ sign -85.910+/-196.545 χ^2/NDF: 30.4/19

All: 94.597+/-129.231 χ^2/NDF: 47.5/41

- sign 232.065+/-171.521 χ^2/NDF: 15.7/21

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 474.016+/-0.199 χ^2/NDF:7916.4/3

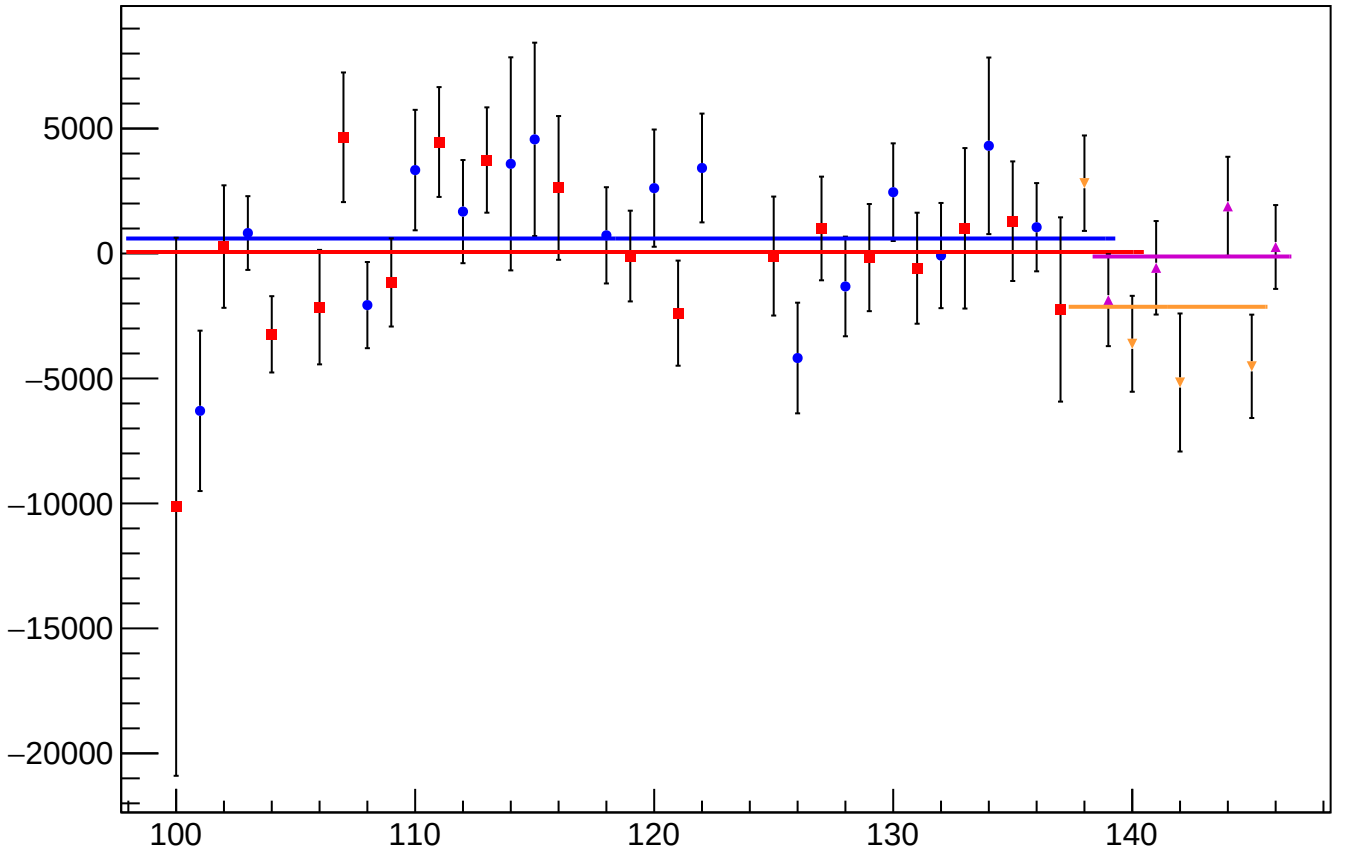
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 477.479+/-0.181 χ^2/NDF:28441.9/3

+ sign 555.256+/-0.139 χ^2/NDF: 4101604.6/19

All: 516.689+/-0.091 χ^2/NDF: 8608574.0/41

- sign 487.318+/-0.121 χ^2/NDF: 4371319.0/21



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -2131.964+/-1047.935 χ^2/NDF:9.8/3

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

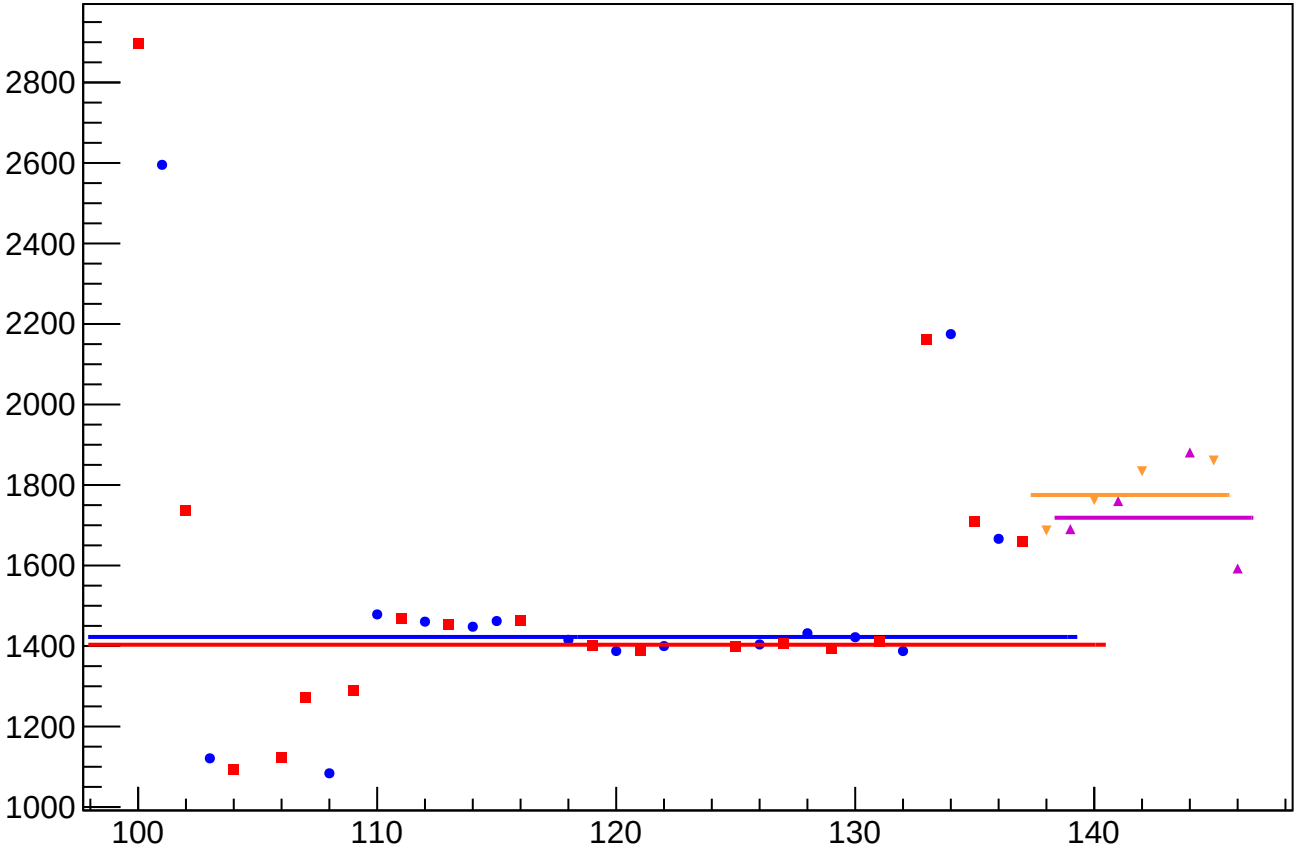
Left In: -120.041+/-916.187 χ^2/NDF:2.0/3

+ sign 26.708+/-480.055 χ^2/NDF: 35.5/19

All: 20.490+/-332.357 χ^2/NDF: 58.0/41

- sign 14.766+/-460.597 χ^2/NDF: 22.4/21

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: 1775.268+/-0.741 χ^2/NDF:8690.8/3

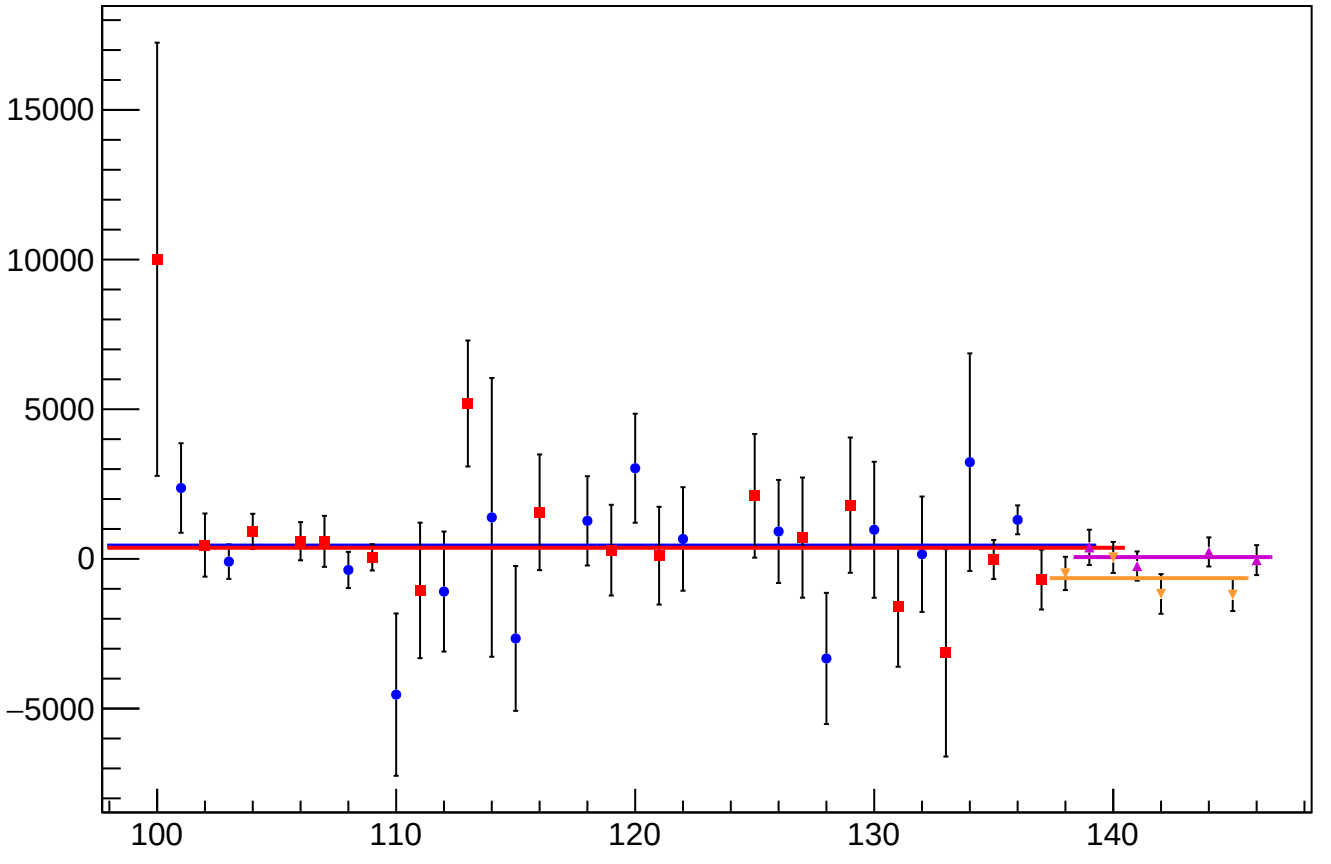
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

+ sign 1496.541+/-0.339 χ^2/NDF: 748015.9/19

All: 1489.465+/-0.235 χ^2/NDF: 1311285.2/41

- sign 1482.952+/-0.326 χ^2/NDF: 562435.0/21



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -642.590+/-281.293 χ^2/NDF:3.5/3

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

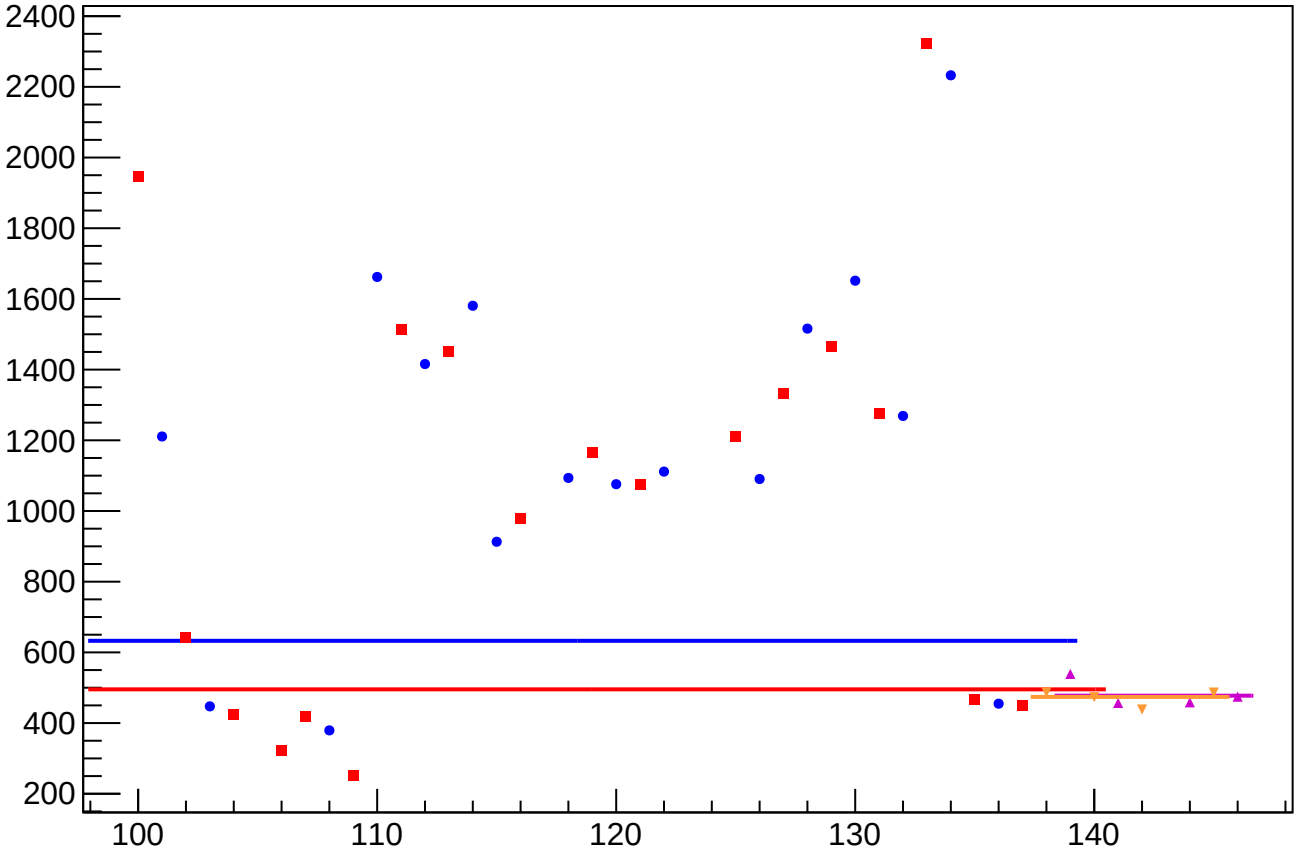
Left In: 60.621+/-255.588 χ^2/NDF:0.8/3

+ sign -85.910+/-196.545 χ^2/NDF: 30.4/19

All: 94.597+/-129.231 χ^2/NDF: 47.5/41

- sign 232.065+/-171.521 χ^2/NDF: 15.7/21

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 474.016+/-0.199 χ^2/NDF:7916.4/3

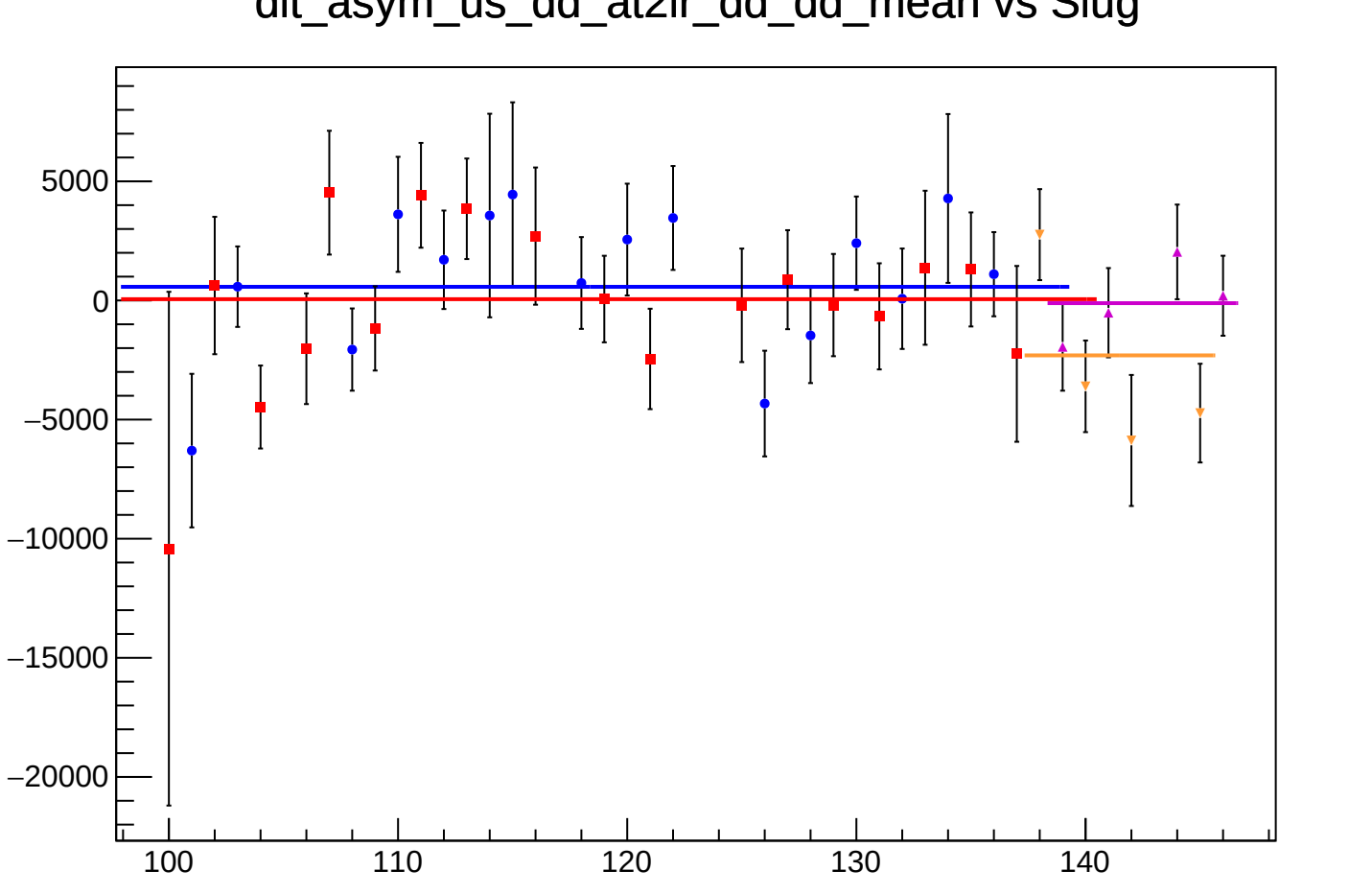
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 477.479+/-0.181 χ^2/NDF:28441.9/3

+ sign 555.256+/-0.139 χ^2/NDF: 4101604.6/19

All: 516.689+/-0.091 χ^2/NDF: 8608574.0/41

- sign 487.318+/-0.121 χ^2/NDF: 4371319.0/21



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -2305.088+/-1048.300 χ^2/NDF:10.6/3

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

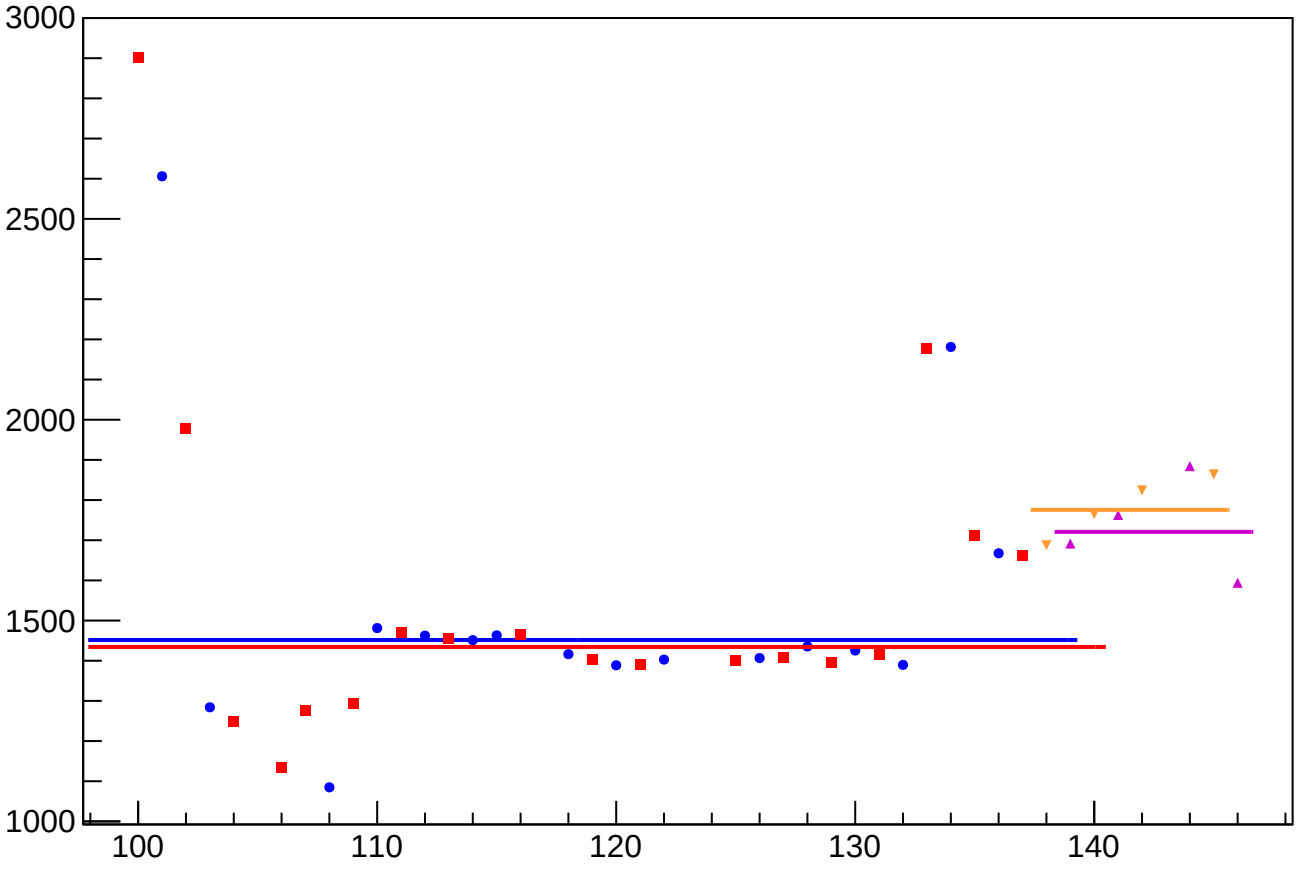
Left In: -113.391+/-917.360 χ^2/NDF:2.2/3

+ sign -48.153+/-486.786 χ^2/NDF: 37.2/19

All: -17.924+/-337.661 χ^2/NDF: 62.0/41

- sign 10.109+/-468.774 χ^2/NDF: 24.8/21

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1775.570+/-0.741 χ^2/NDF:8566.1/3

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

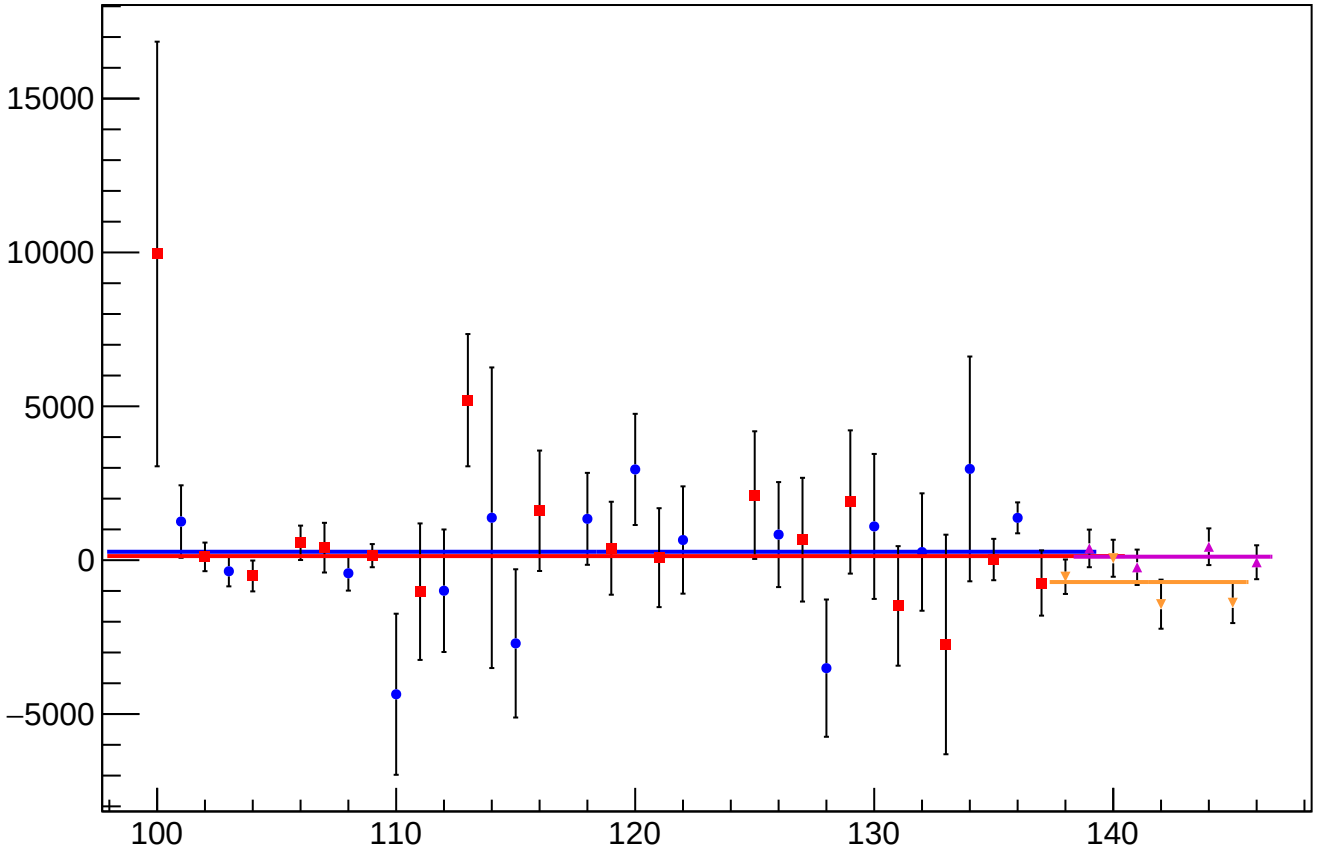
Left In: 1720.824+/-0.649 χ^2/NDF:26476.2/3

+ sign 1521.440+/-0.344 χ^2/NDF: 646249.3/19

All: 1515.055+/-0.239 χ^2/NDF: 1146117.6/41

- sign 1509.134+/-0.331 χ^2/NDF: 499205.0/21

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -710.378+/-318.922 χ^2/NDF:3.6/3

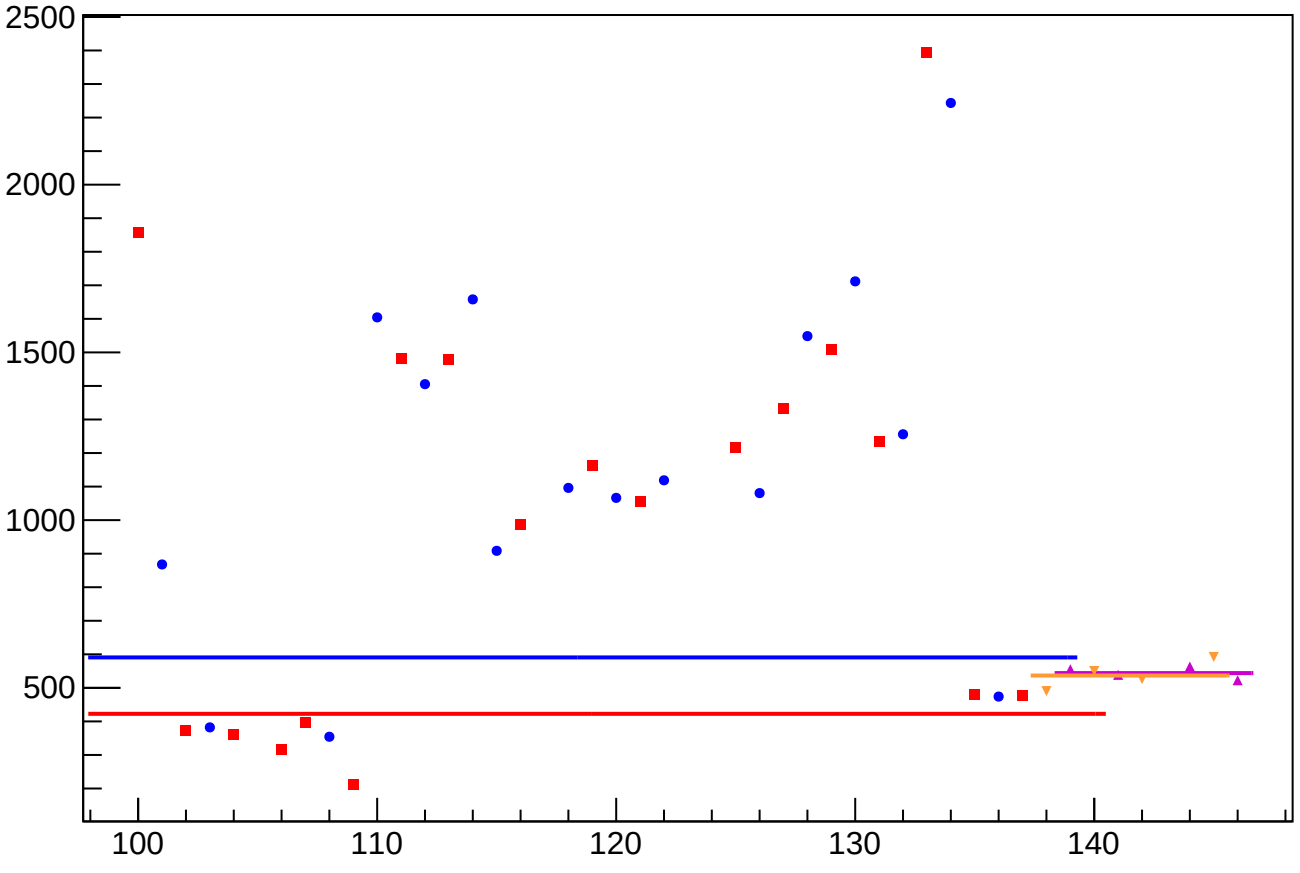
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 112.901+/-290.999 χ^2/NDF:1.0/3

\+ sign -120.338+/-201.768 χ^2/NDF: 29.5/19

All: 29.327+/-126.571 χ^2/NDF: 45.8/41

\- sign 126.436+/-162.526 χ^2/NDF: 15.4/21



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 536.761+/-0.226 χ^2/NDF:29264.8/3

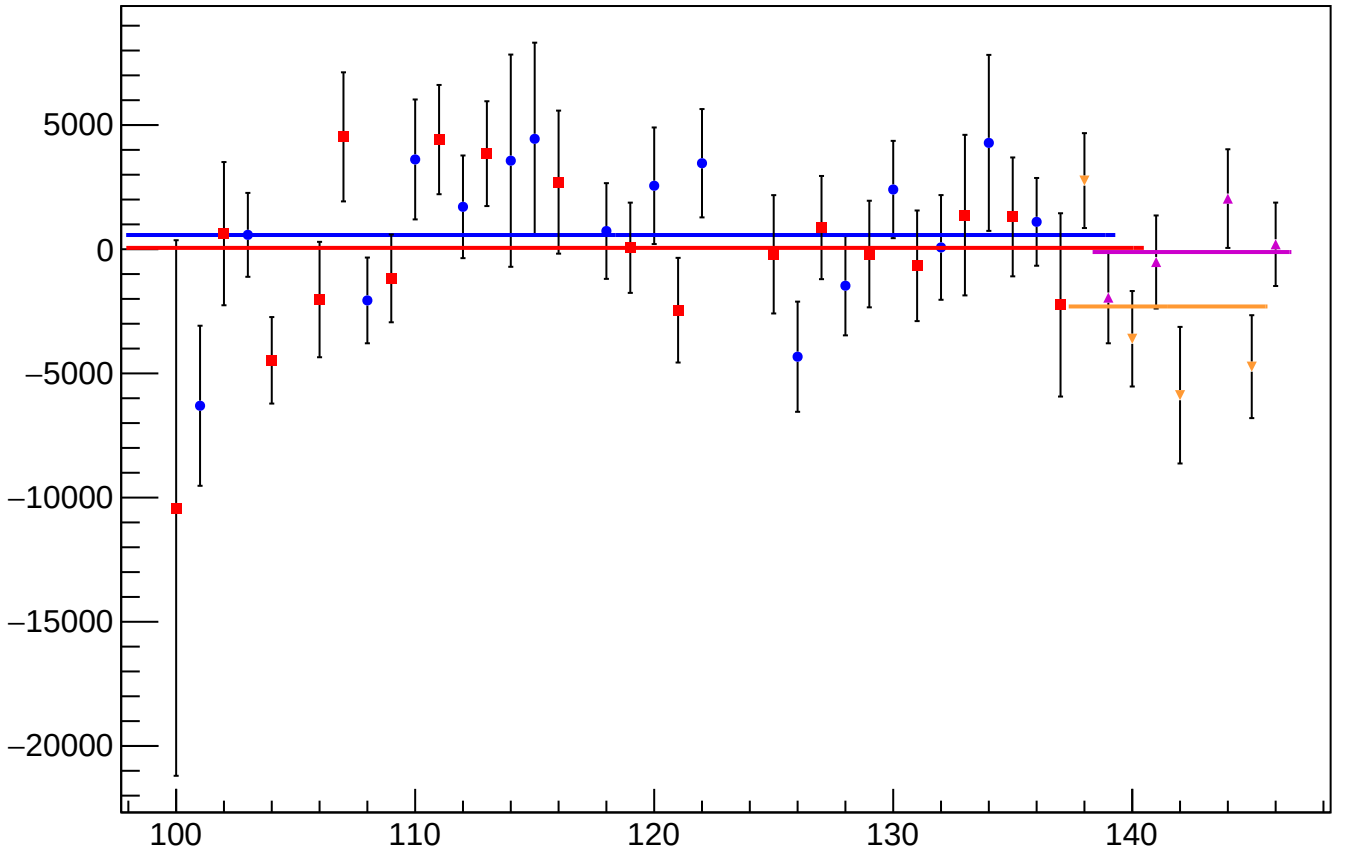
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 544.069+/-0.206 χ^2/NDF:5974.8/3

+ sign 569.140+/-0.143 χ^2/NDF: 3949139.8/19

All: 503.258+/-0.089 χ^2/NDF: 9404389.7/41

- sign 460.510+/-0.115 χ^2/NDF: 5103653.2/21



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -2305.100+/-1048.300 χ^2/NDF:10.6/3

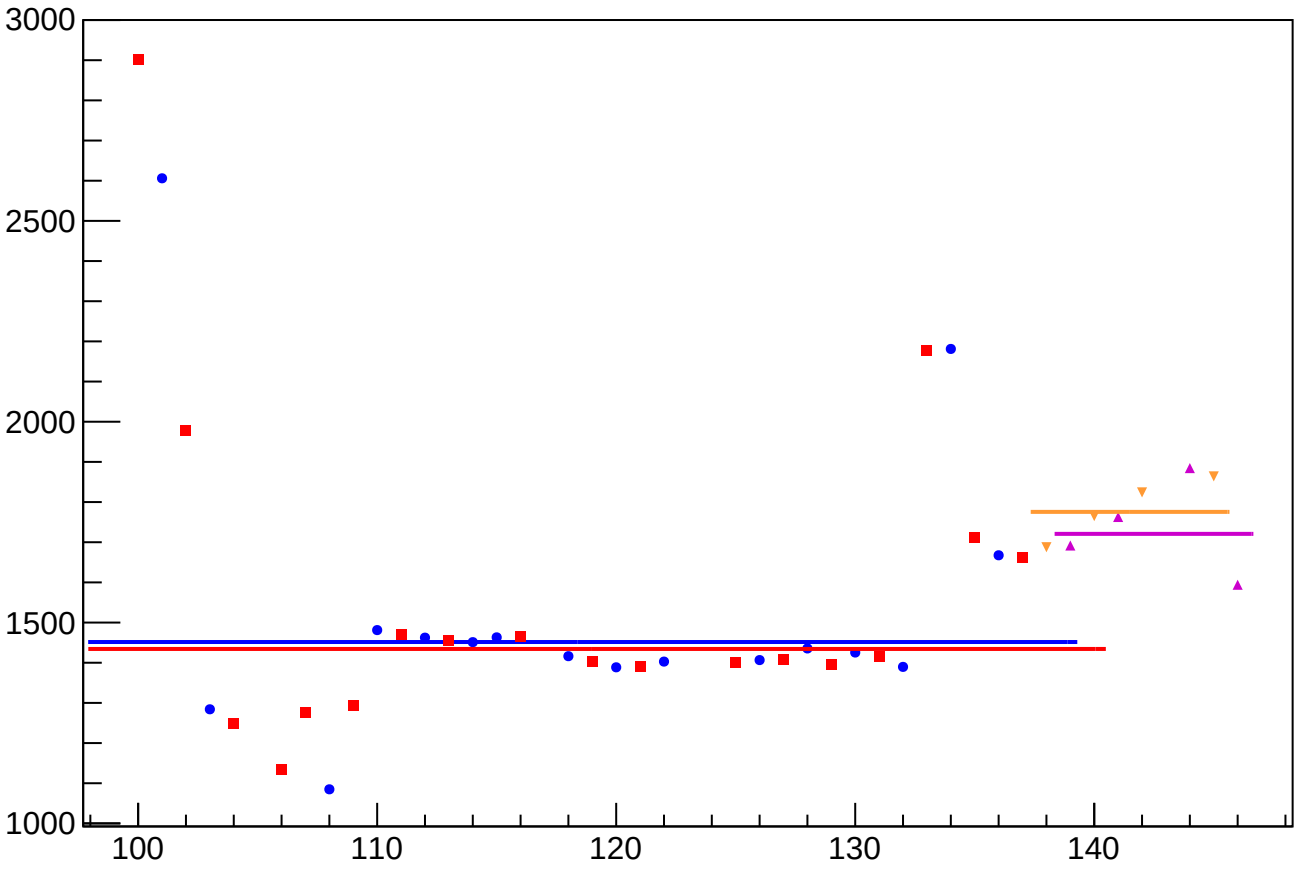
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -113.381+/-917.360 χ^2/NDF:2.2/3

\+ sign -48.155+/-486.786 χ^2/NDF: 37.2/19

All: -17.925+/-337.661 χ^2/NDF: 62.0/41

\- sign 10.110+/-468.774 χ^2/NDF: 24.8/21



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1775.570+/-0.741 χ^2/NDF:8566.1/3

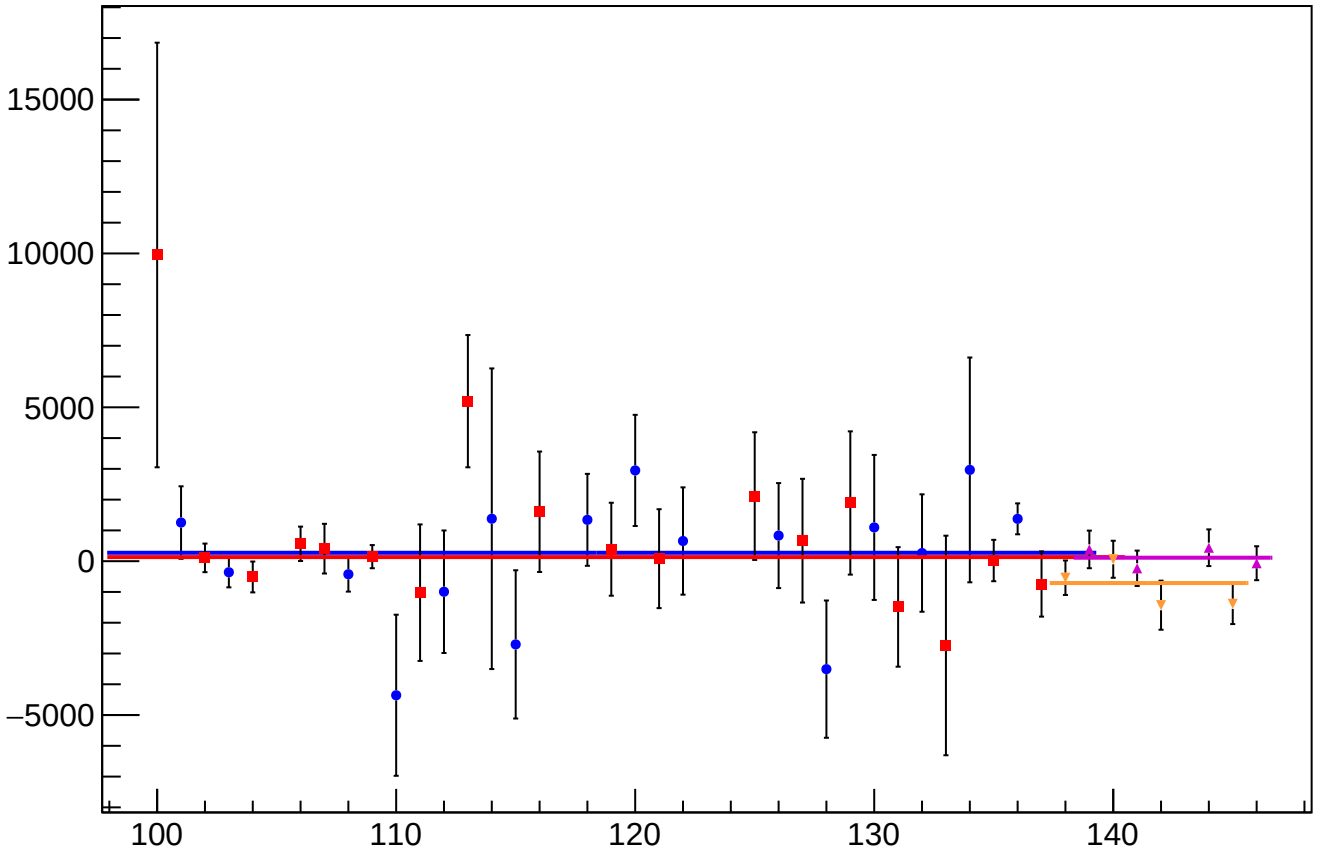
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1720.824+/-0.649 χ^2/NDF:26476.4/3

+ sign 1521.440+/-0.344 χ^2/NDF: 646249.0/19

All: 1515.055+/-0.239 χ^2/NDF: 1146117.6/41

- sign 1509.134+/-0.331 χ^2/NDF: 499205.3/21



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -710.397+/-318.929 χ^2/NDF:3.6/3

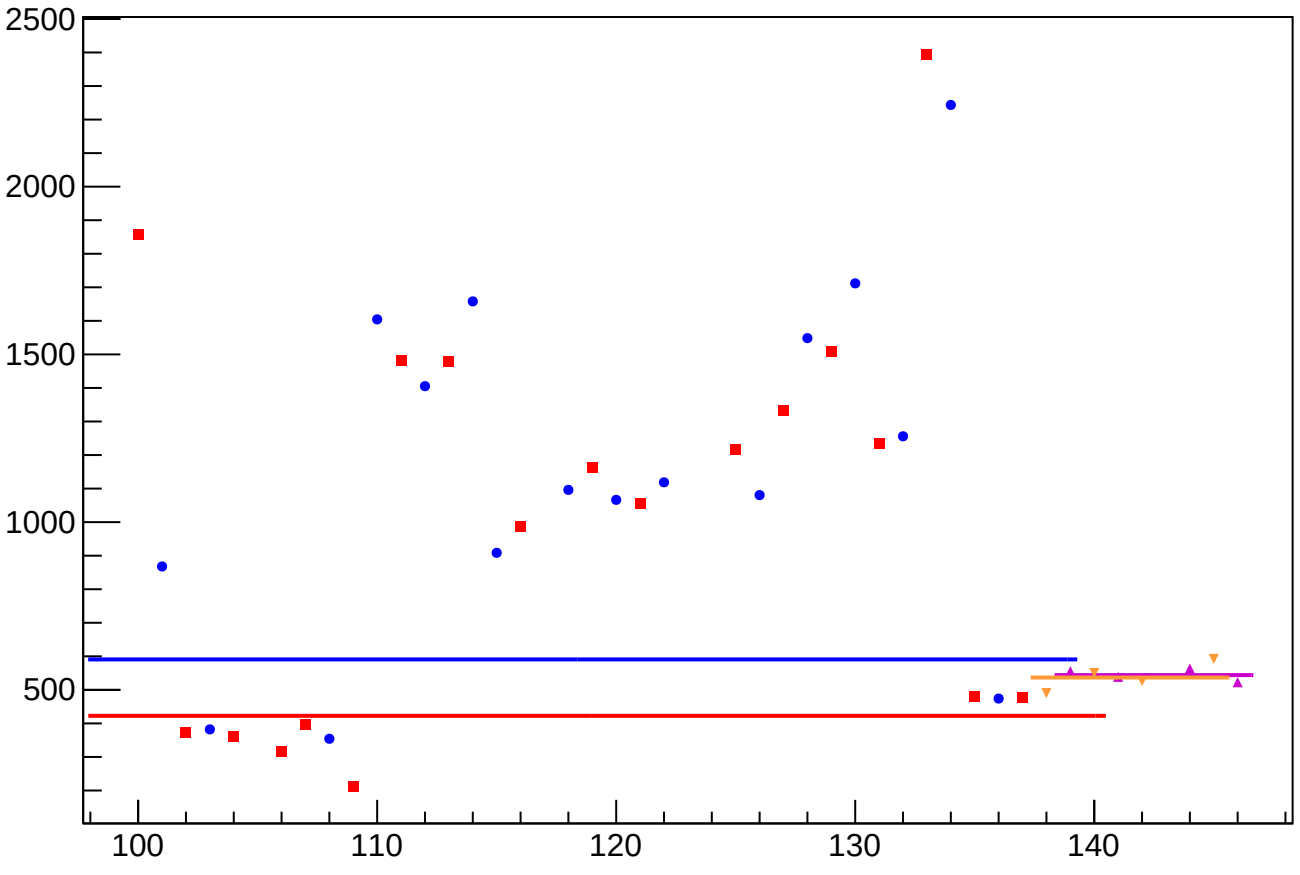
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 112.908+/-291.001 χ^2/NDF:1.0/3

\+ sign -120.340+/-201.770 χ^2/NDF: 29.5/19

All: 29.325+/-126.572 χ^2/NDF: 45.8/41

\- sign 126.435+/-162.527 χ^2/NDF: 15.4/21



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 536.774+/-0.226 χ^2/NDF:29252.4/3

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

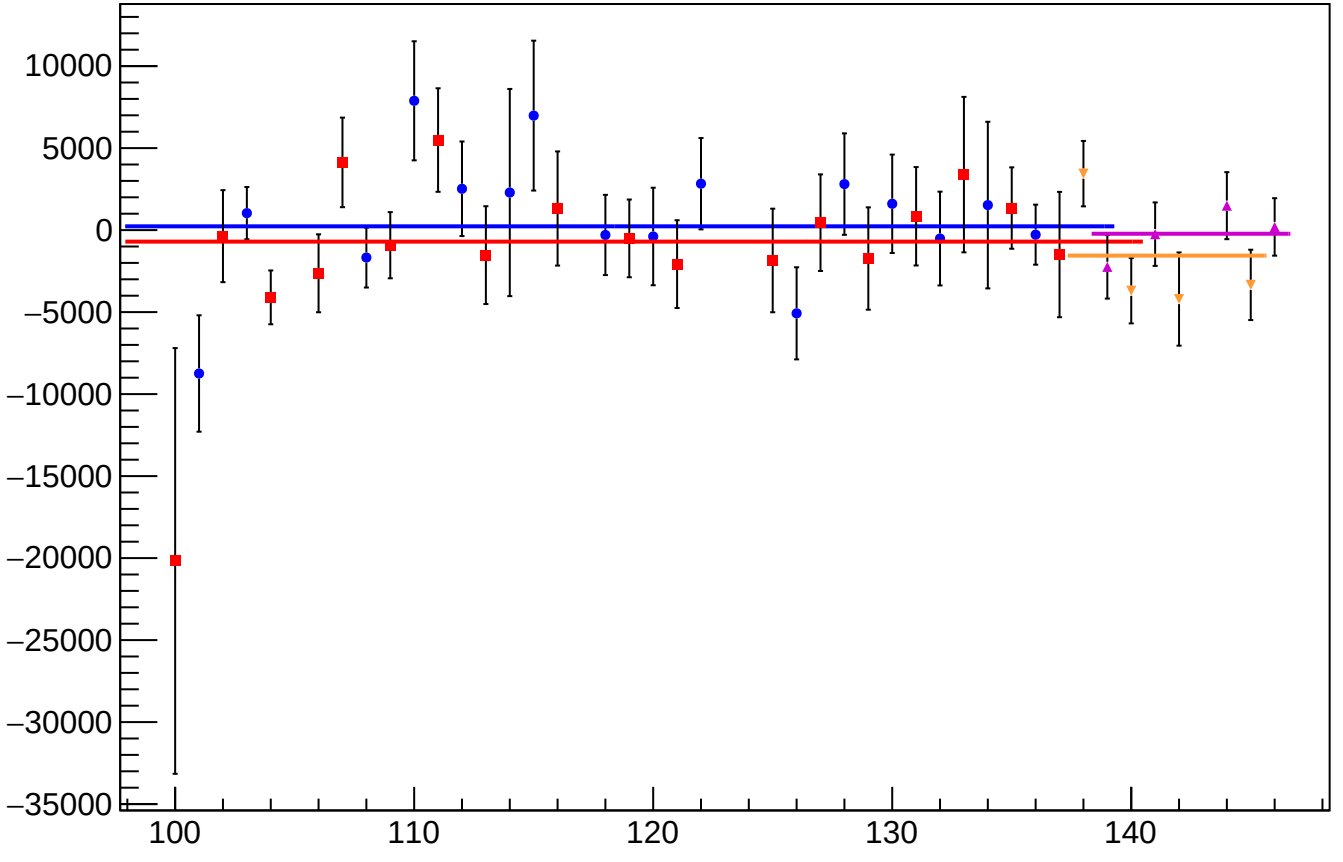
Left In: 544.074+/-0.206 χ^2/NDF:5981.0/3

+ sign 569.145+/-0.143 χ^2/NDF: 3949135.9/19

All: 503.263+/-0.089 χ^2/NDF: 9404294.1/41

- sign 460.515+/-0.115 χ^2/NDF: 5103570.3/21

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -1555.317+/-1087.747 χ^2/NDF:9.0/3

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

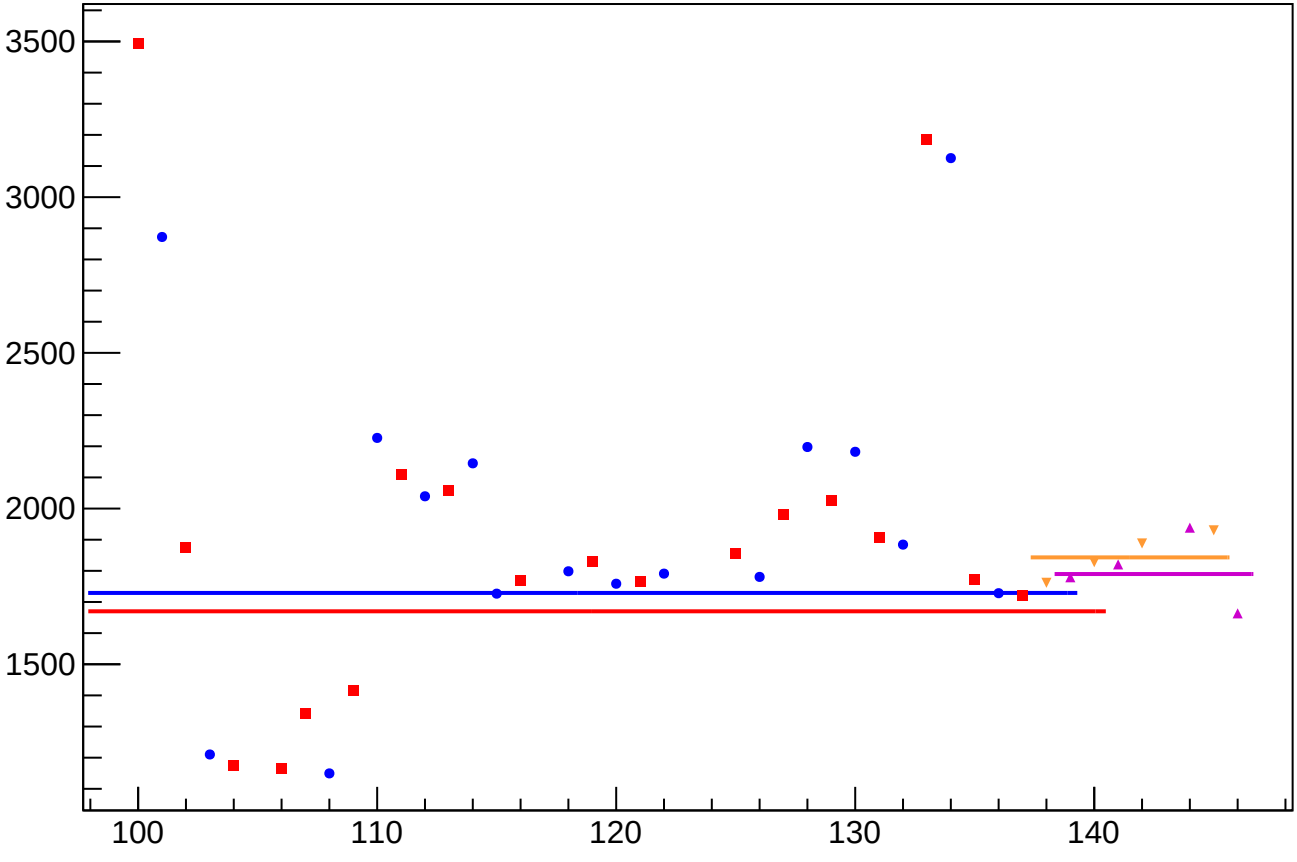
Left In: -221.903+/-953.767 χ^2/NDF:1.8/3

+ sign -256.494+/-568.141 χ^2/NDF: 31.7/19

All: -411.978+/-389.944 χ^2/NDF: 50.9/41

- sign -550.458+/-536.176 χ^2/NDF: 19.0/21

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1843.204+/-0.769 χ^2/NDF:7247.0/3

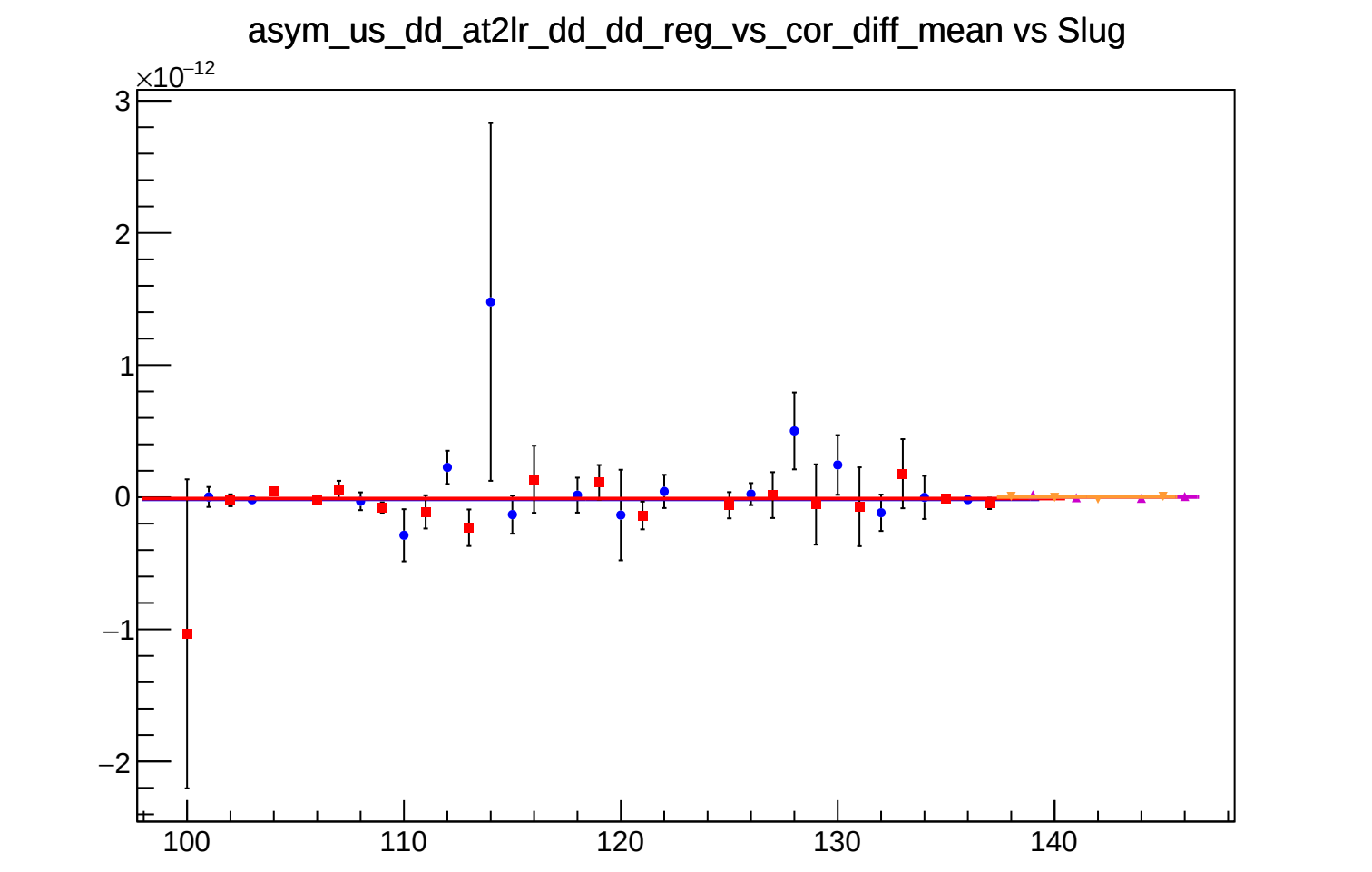
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

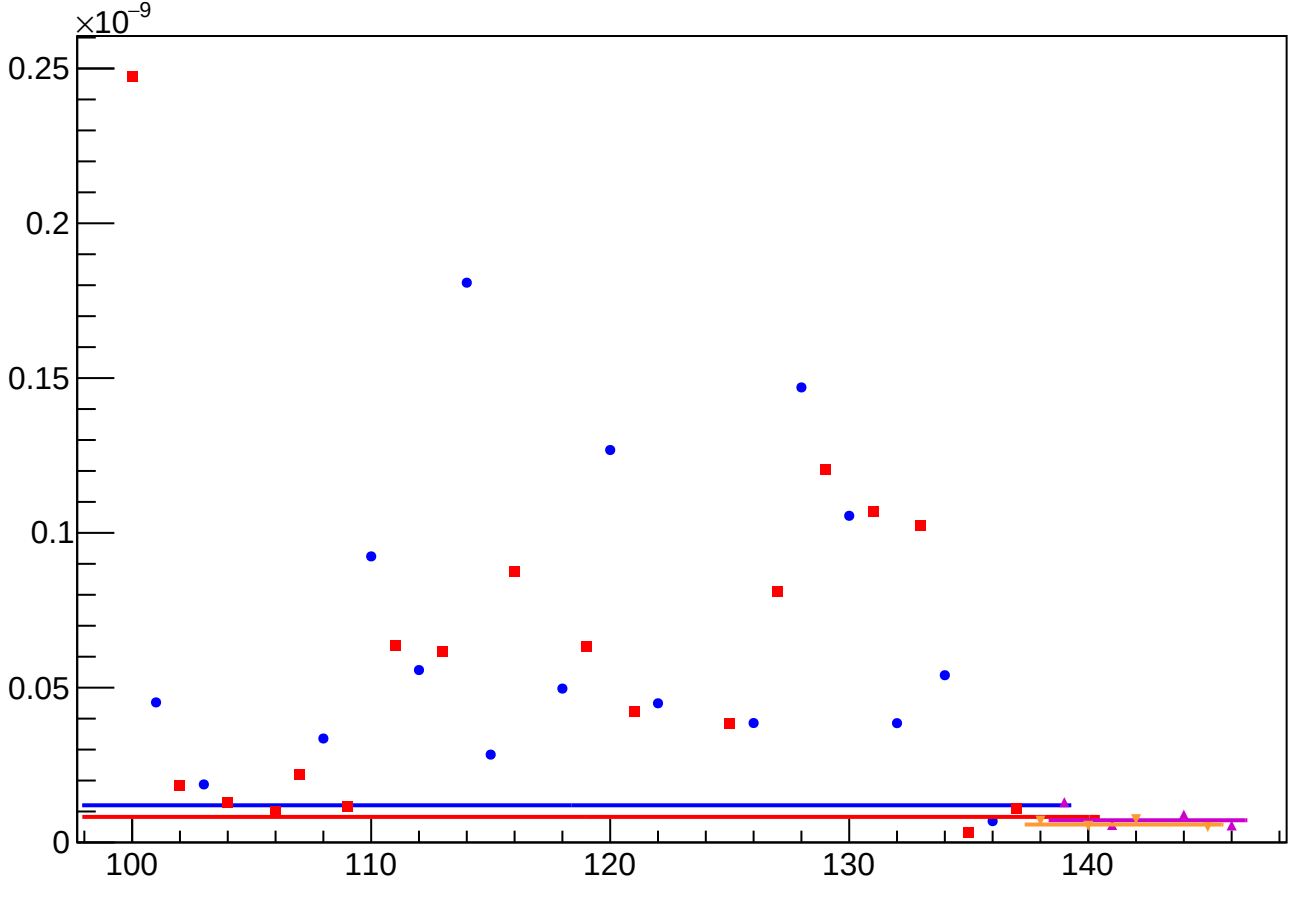
Left In: 1789.776+/-0.674 χ^2/NDF:21580.4/3

+ sign 1760.192+/-0.402 χ^2/NDF: 965344.1/19

All: 1732.529+/-0.276 χ^2/NDF: 1761894.3/41

- sign 1707.891+/-0.379 χ^2/NDF: 787585.9/21


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
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: 0.000+/-0.000 χ²/NDF:1.9/3
+ sign -0.000+/-0.000 χ²/NDF: 16.9/19
All: -0.000+/-0.000 χ²/NDF: 36.5/41
- sign -0.000+/-0.000 χ²/NDF: 19.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:58051.3/3

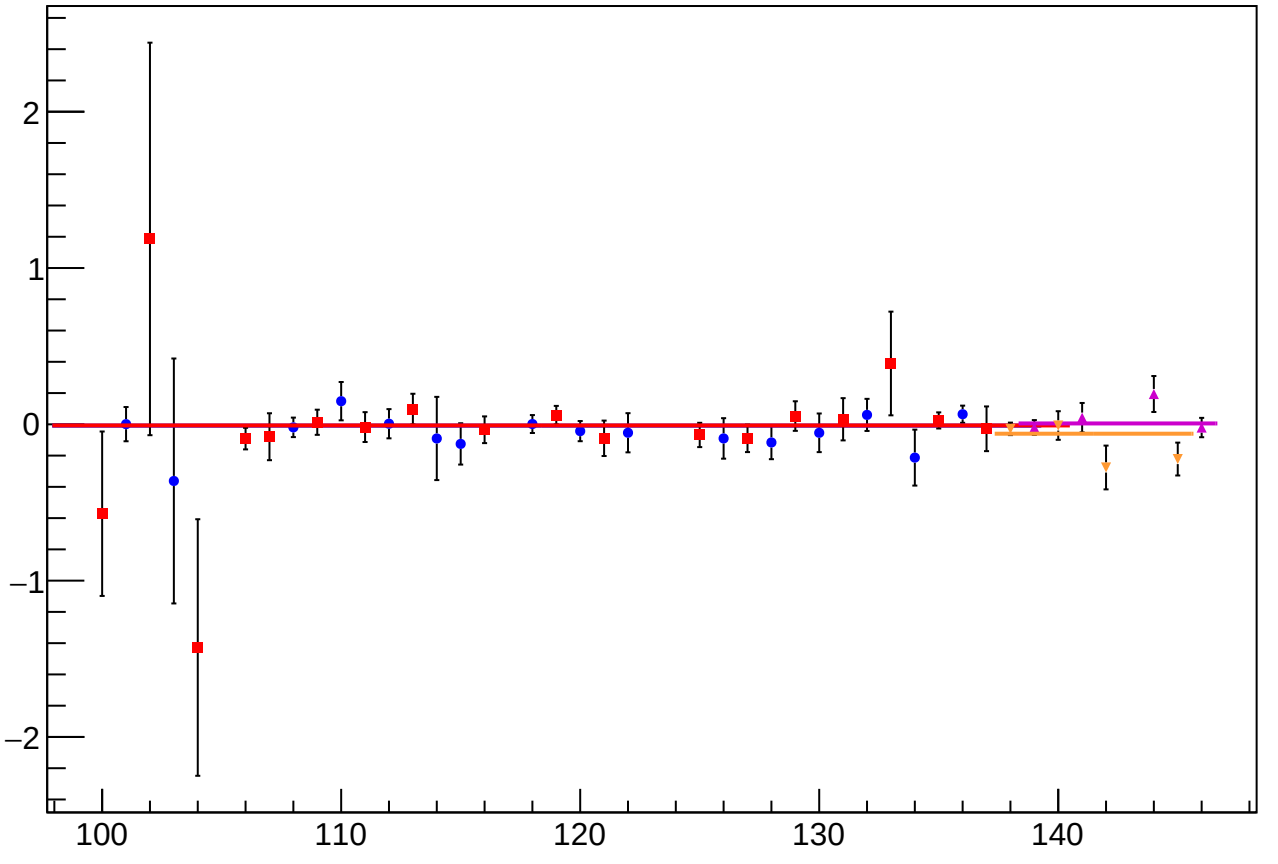
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:356969.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 4049722.0/19

All: 0.000+/-0.000 χ^2/NDF: 7941597.1/41

- sign 0.000+/-0.000 χ^2/NDF: 3888238.8/21



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.060+/-0.034 χ^2/NDF:5.7/3

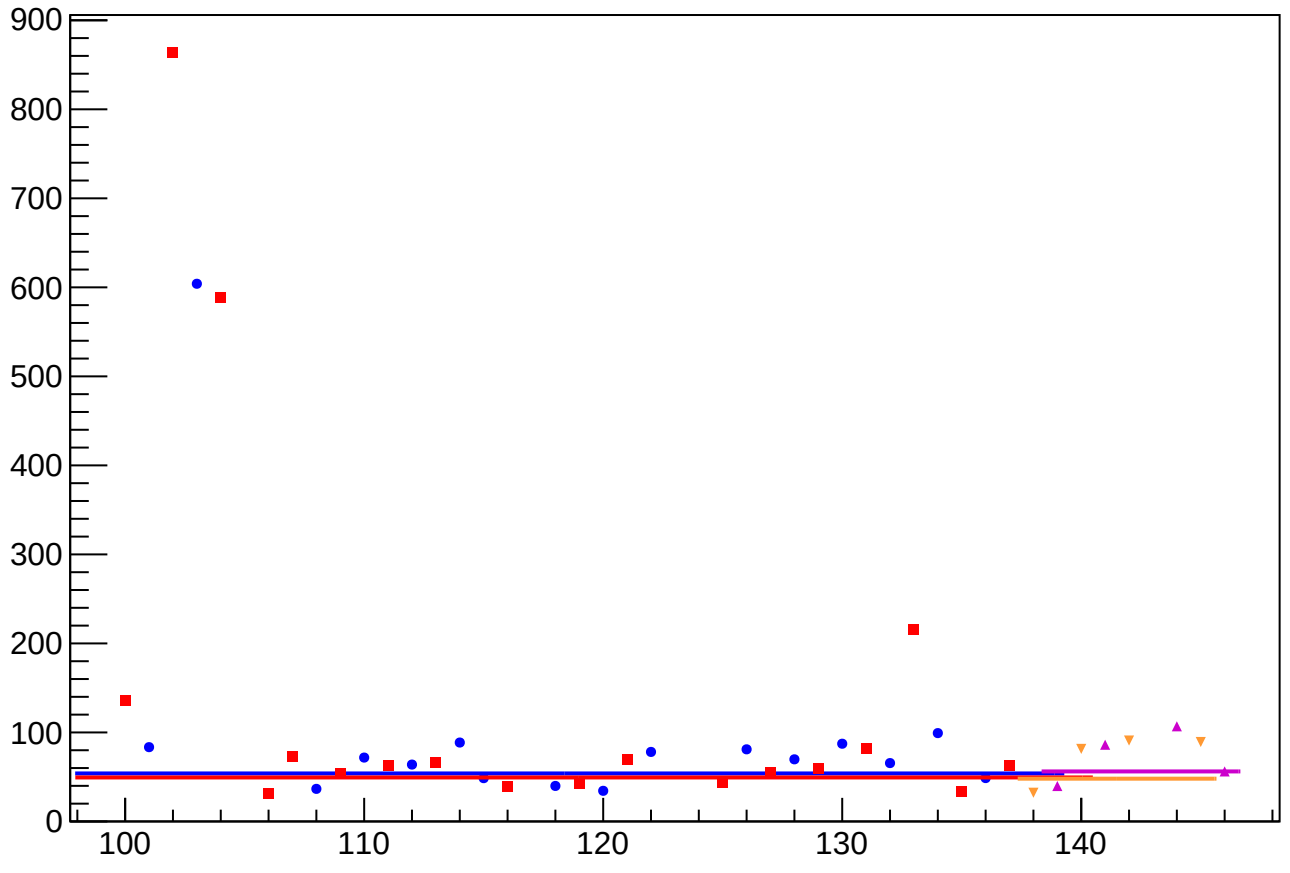
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.034 χ^2/NDF:3.3/3

+ sign -0.025+/-0.019 χ^2/NDF: 15.6/19

All: -0.014+/-0.013 χ^2/NDF: 33.4/41

- sign -0.003+/-0.019 χ^2/NDF: 17.1/21



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.055+/-0.024 χ^2/NDF:1074582.4/3

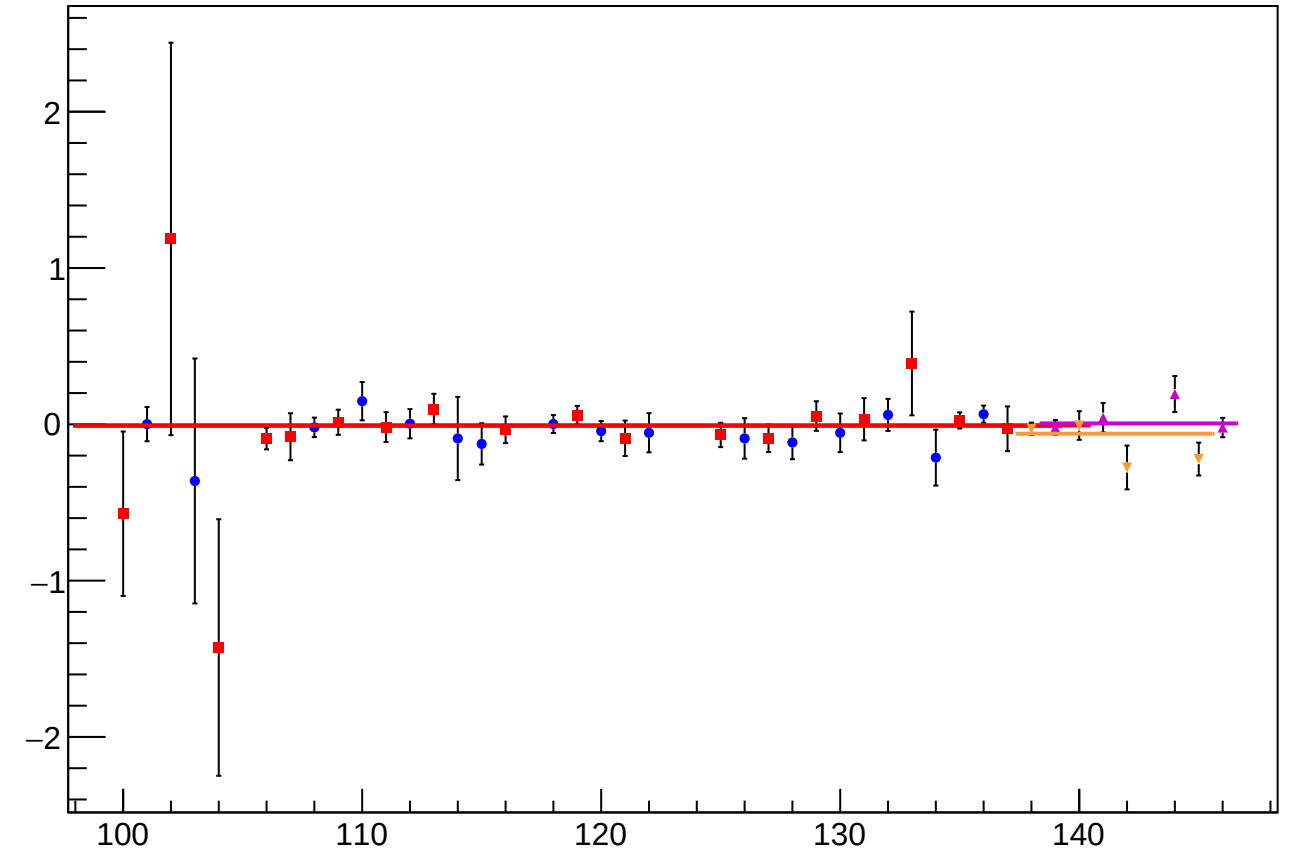
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.197+/-0.024 χ^2/NDF:828936.2/3

+ sign 52.038+/-0.013 χ^2/NDF: 3330454.6/19

All: 51.756+/-0.009 χ^2/NDF: 7234765.4/41

- sign 51.490+/-0.013 χ^2/NDF: 3903459.0/21



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.060+/-0.034 χ^2/NDF:5.7/3

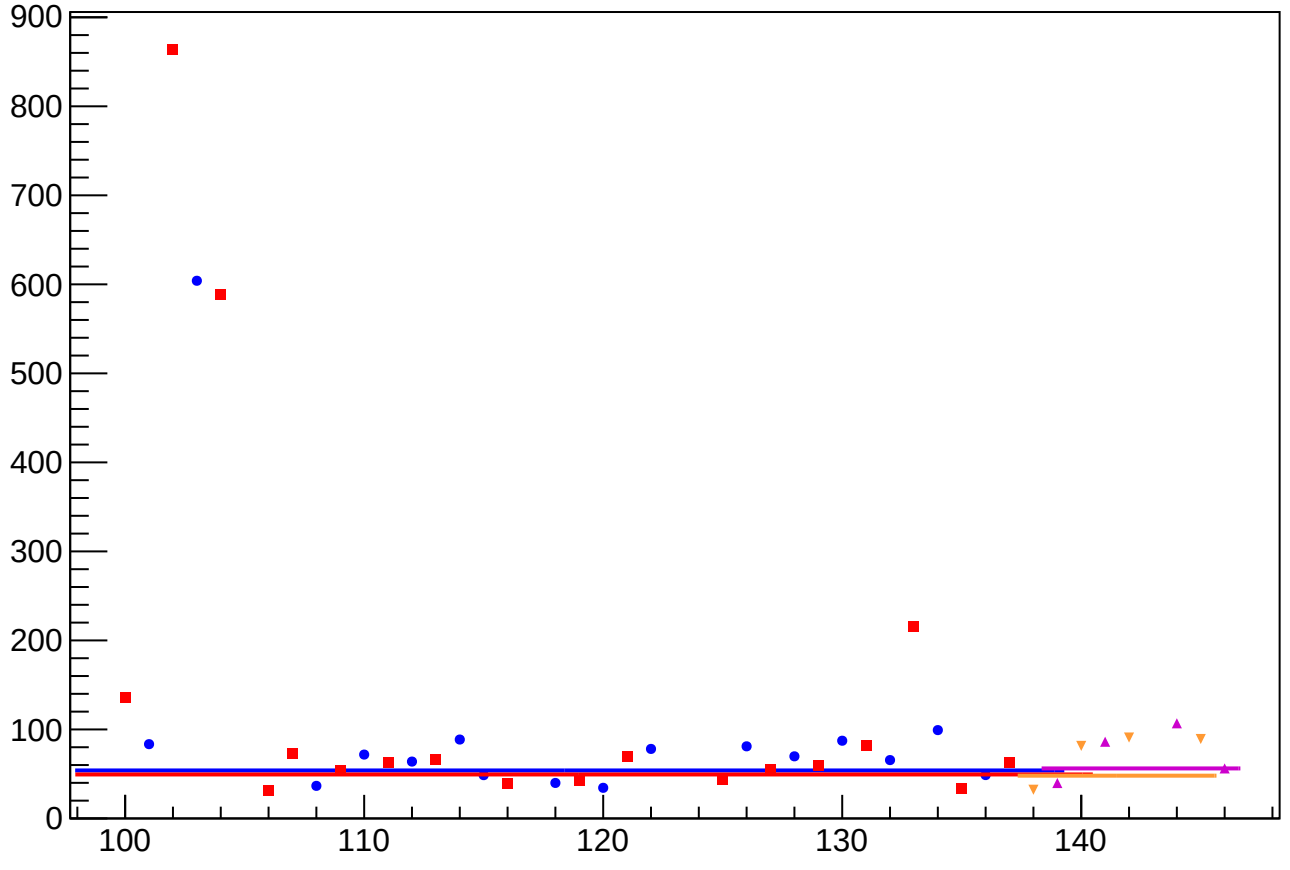
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.034 χ^2/NDF:3.3/3

+ sign -0.025+/-0.019 χ^2/NDF: 15.6/19

All: -0.014+/-0.013 χ^2/NDF: 33.4/41

- sign -0.003+/-0.019 χ^2/NDF: 17.1/21



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.055+/-0.024 χ^2/NDF:1074582.4/3

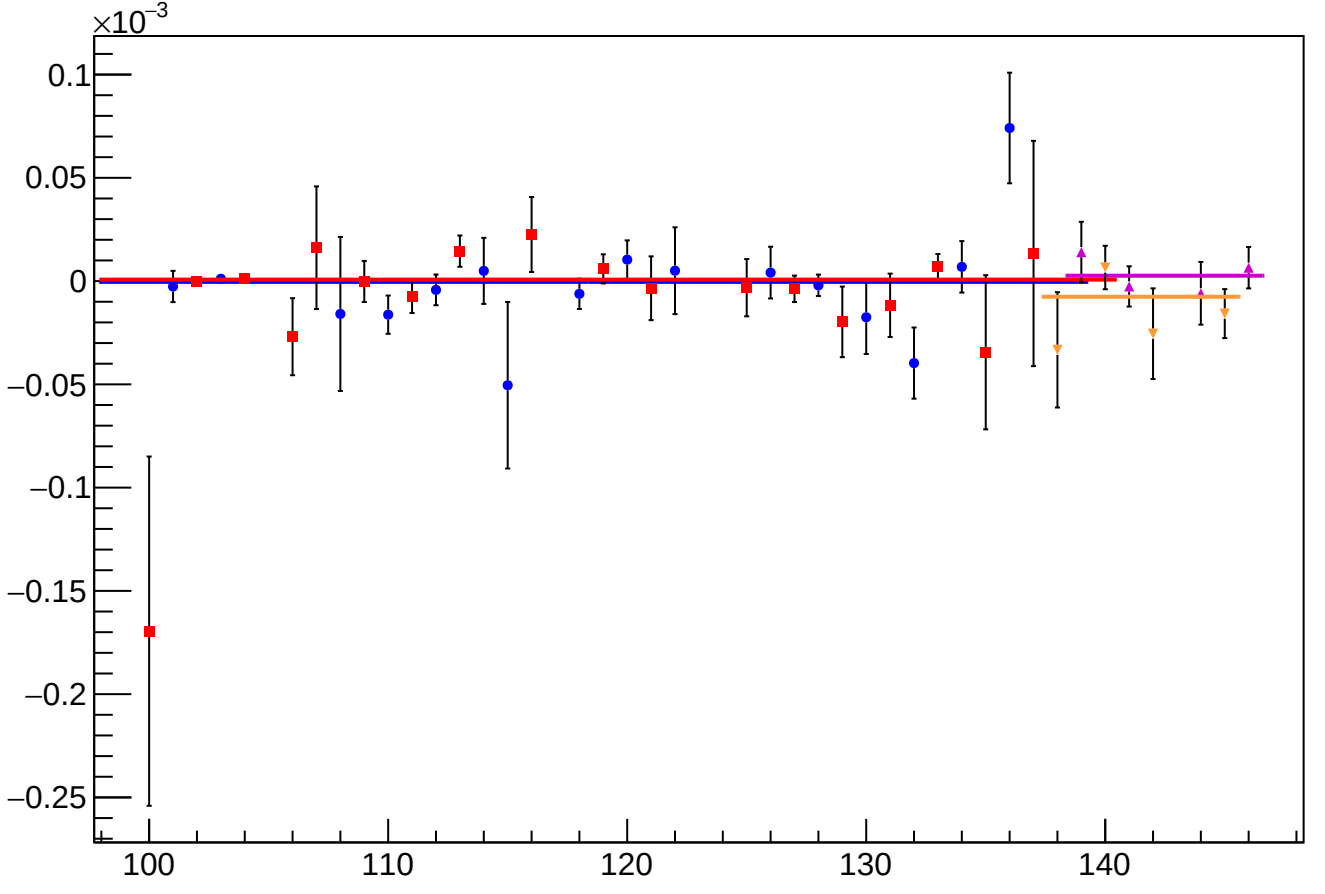
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.197+/-0.024 χ^2/NDF:828936.2/3

+ sign 52.038+/-0.013 χ^2/NDF: 3330454.6/19

All: 51.756+/-0.009 χ^2/NDF: 7234765.4/41

- sign 51.490+/-0.013 χ^2/NDF: 3903459.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

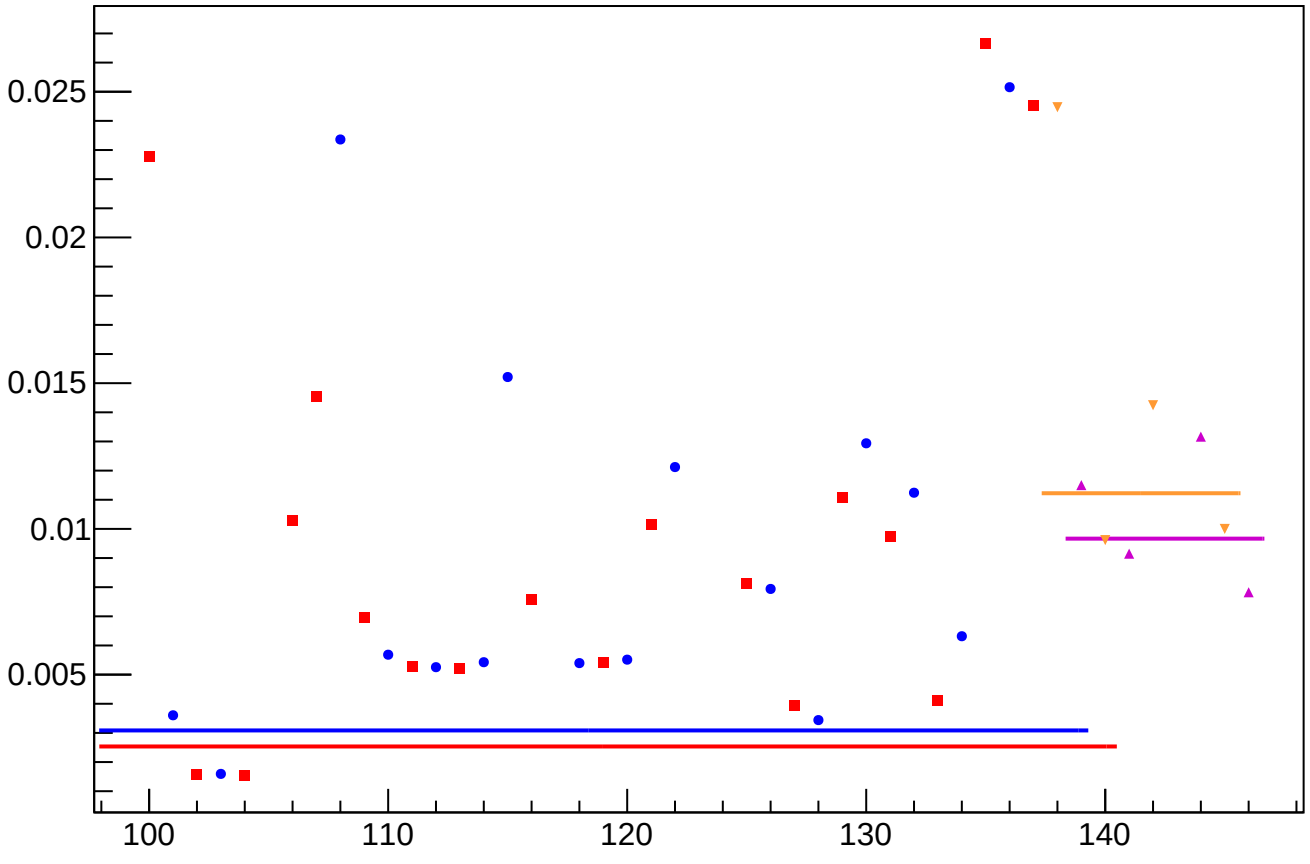
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/19

All: 0.000+/-0.000 χ^2/NDF: 46.7/41

- sign 0.000+/-0.000 χ^2/NDF: 19.3/21



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.011+/-0.000 χ^2/NDF:555877.6/3

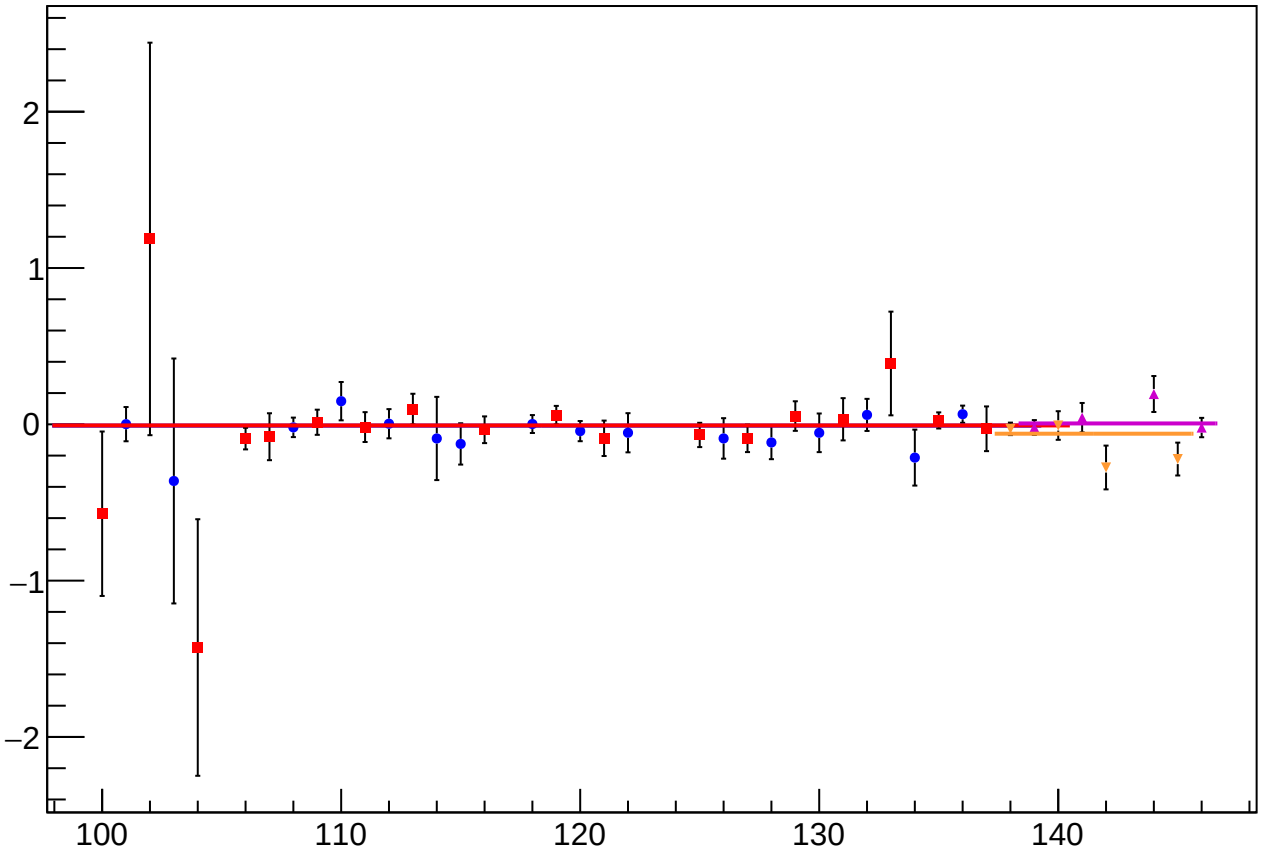
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.010+/-0.000 χ^2/NDF:210520.7/3

\+ sign 0.003+/-0.000 χ^2/NDF: 8792996.8/19

All: 0.003+/-0.000 χ^2/NDF: 18291042.1/41

\- sign 0.003+/-0.000 χ^2/NDF: 9304900.9/21



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.060+/-0.034 χ^2/NDF:5.7/3

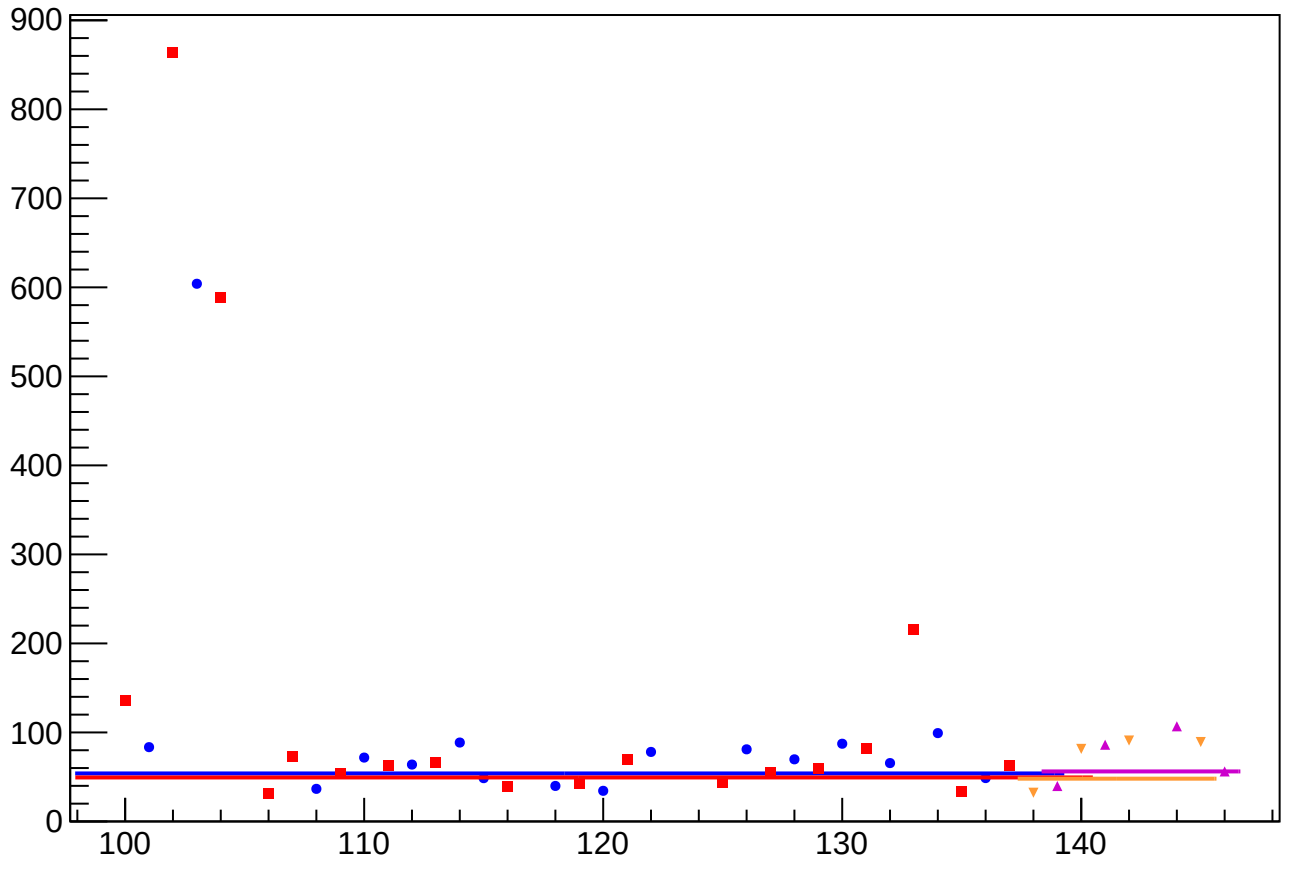
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.034 χ^2/NDF:3.3/3

+ sign -0.025+/-0.019 χ^2/NDF: 15.6/19

All: -0.014+/-0.013 χ^2/NDF: 33.4/41

- sign -0.003+/-0.019 χ^2/NDF: 17.1/21



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 48.065+/-0.024 χ^2/NDF:1074101.1/3

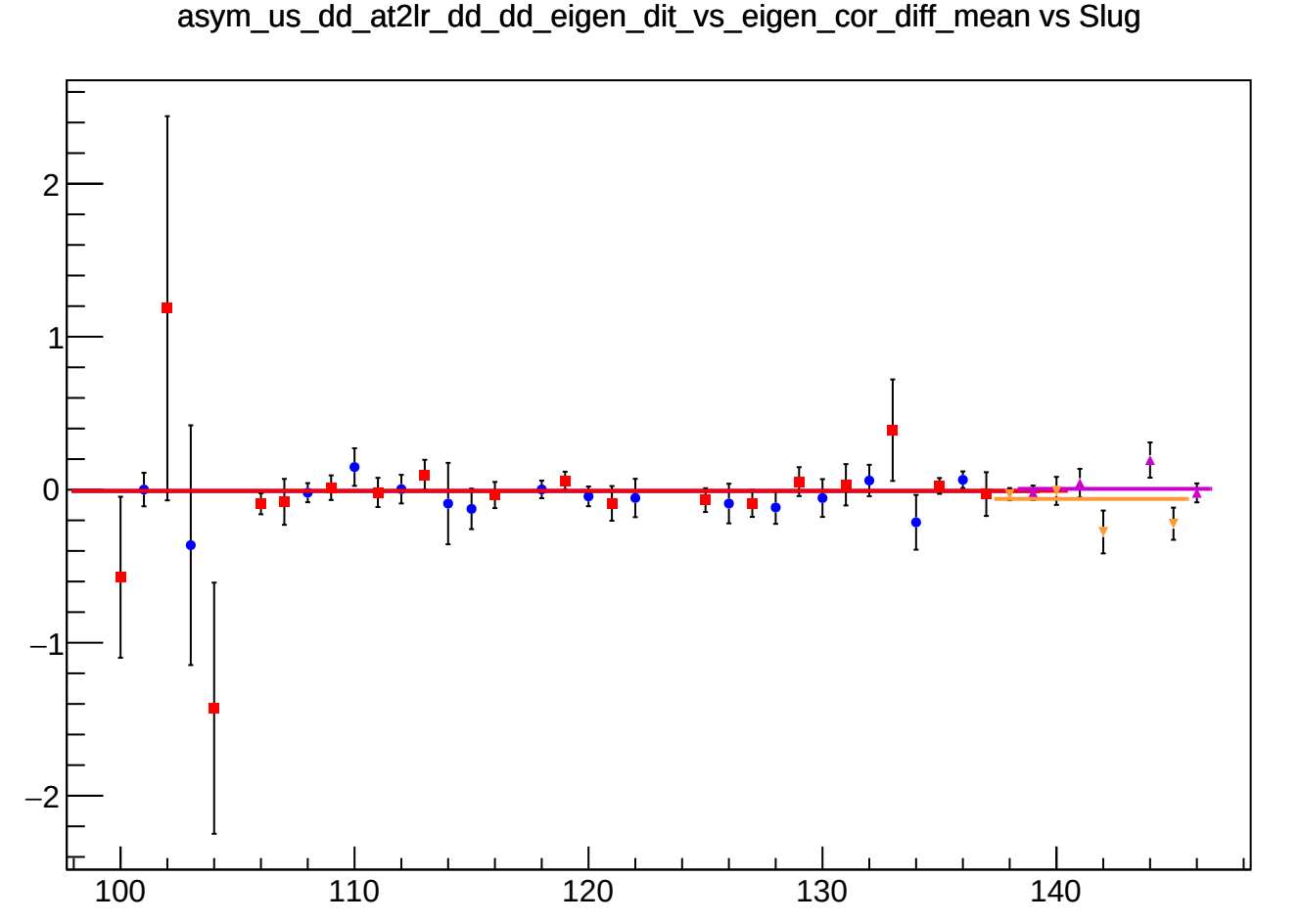
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.197+/-0.024 χ^2/NDF:828944.2/3

+ sign 52.043+/-0.013 χ^2/NDF: 3329479.2/19

All: 51.760+/-0.009 χ^2/NDF: 7233502.4/41

- sign 51.491+/-0.013 χ^2/NDF: 3903159.2/21



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.060+/-0.034 χ^2/NDF:5.7/3

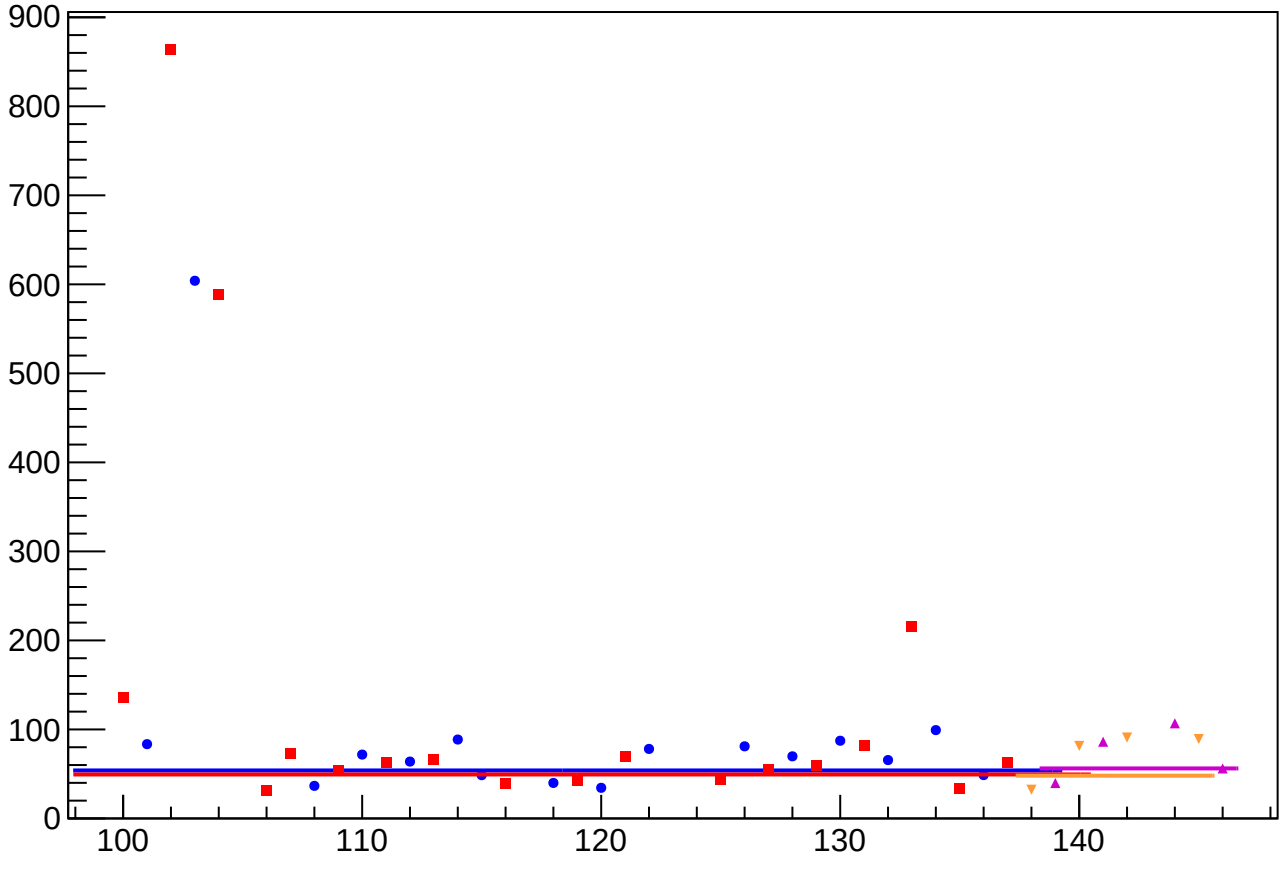
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.034 χ^2/NDF:3.3/3

+ sign -0.025+/-0.019 χ^2/NDF: 15.6/19

All: -0.014+/-0.013 χ^2/NDF: 33.4/41

- sign -0.003+/-0.019 χ^2/NDF: 17.1/21



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 48.065+/-0.024 χ^2/NDF:1074101.1/3

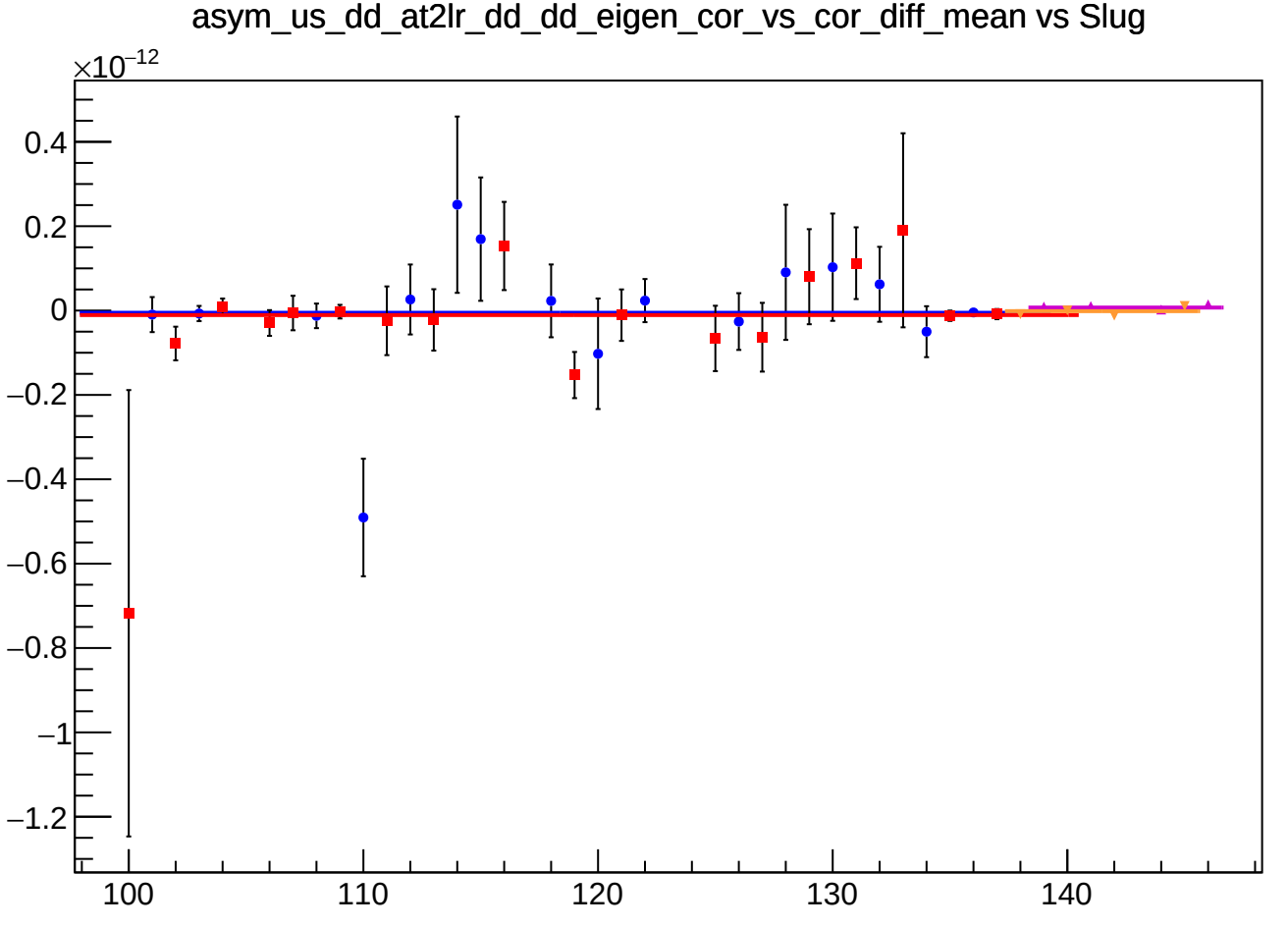
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.197+/-0.024 χ^2/NDF:828944.2/3

+ sign 52.043+/-0.013 χ^2/NDF: 3329479.2/19

All: 51.760+/-0.009 χ^2/NDF: 7233502.4/41

- sign 51.491+/-0.013 χ^2/NDF: 3903159.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/3

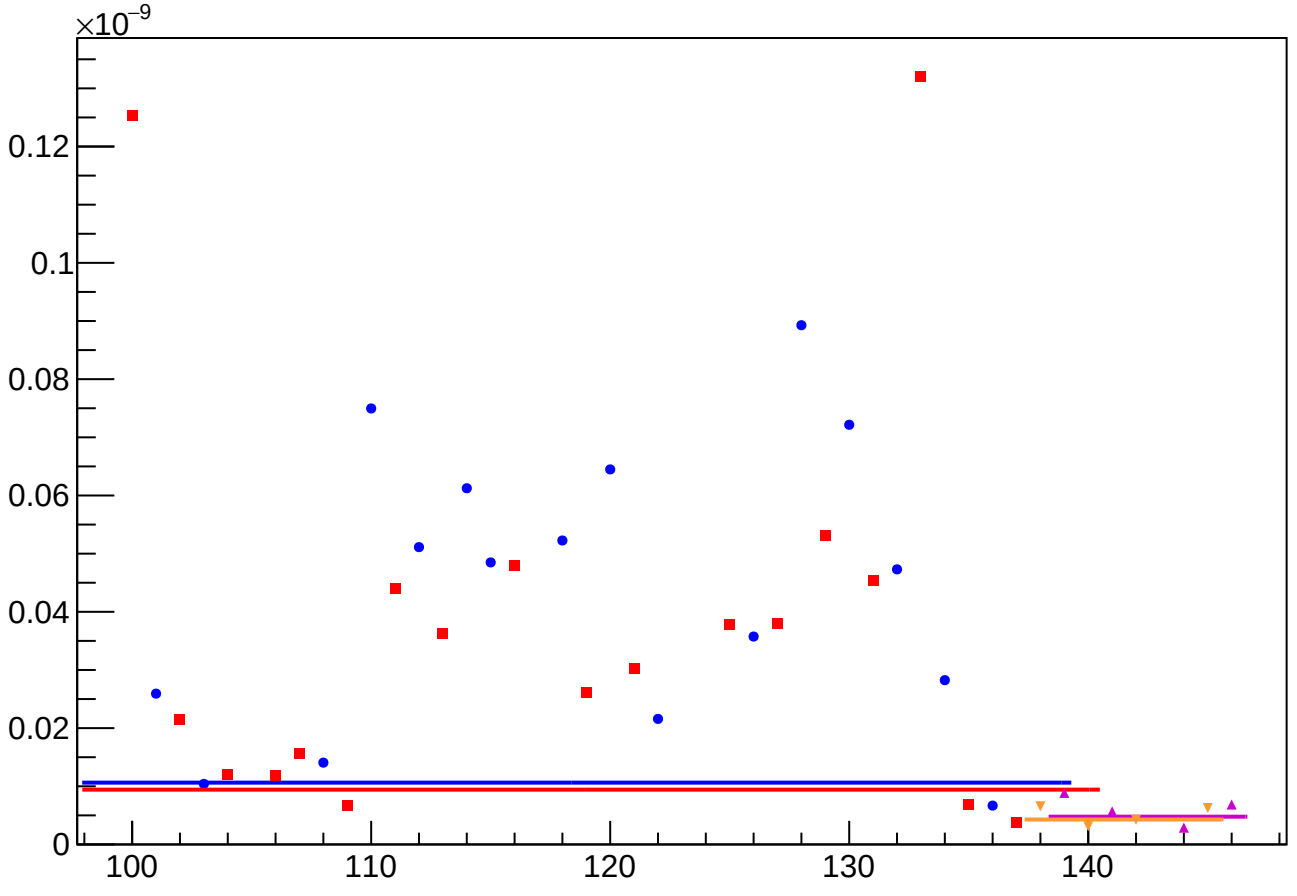
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/19

All: 0.000+/-0.000 χ^2/NDF: 52.7/41

- sign 0.000+/-0.000 χ^2/NDF: 27.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:364597.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

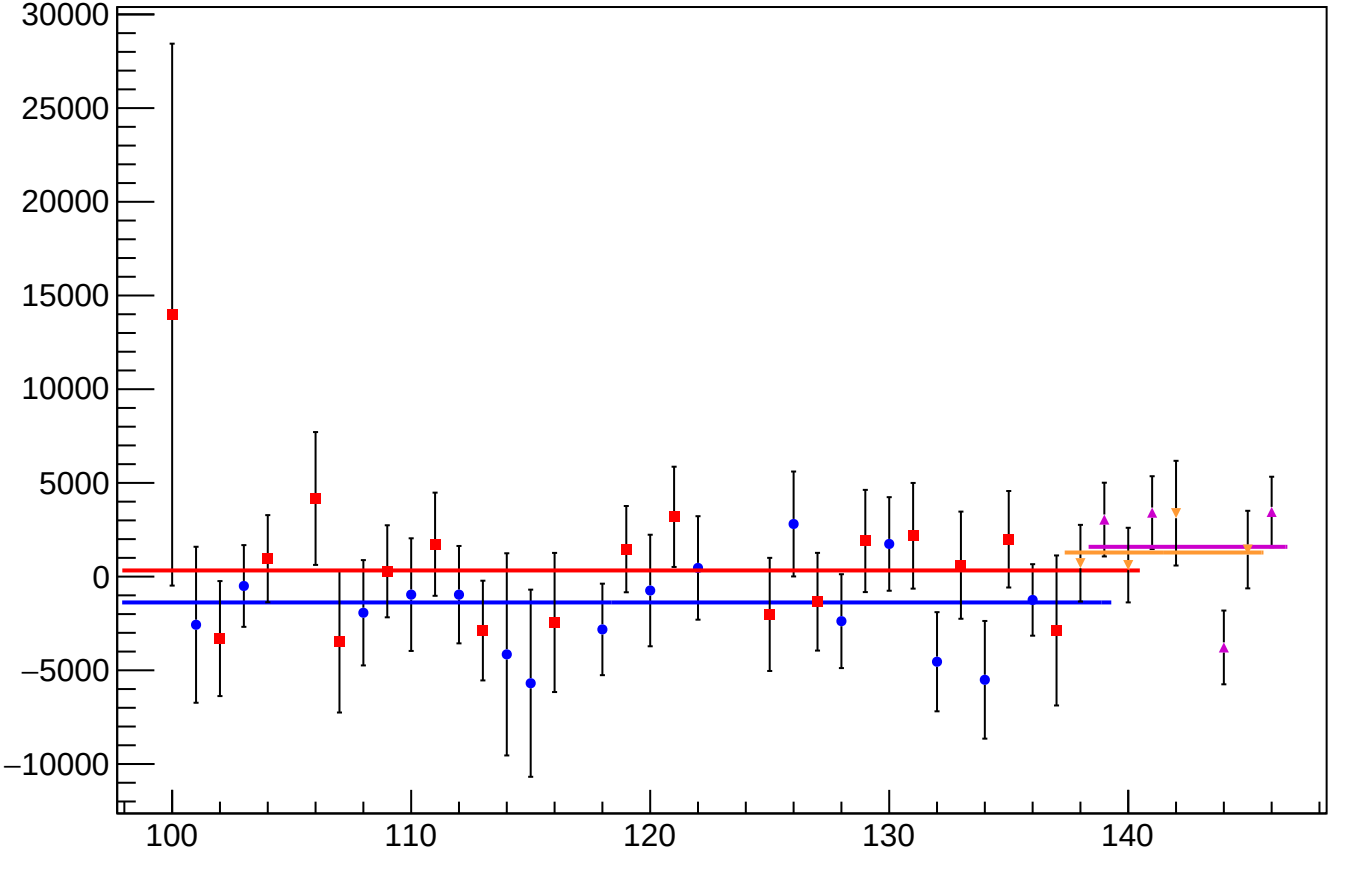
Left In: 0.000+/-0.000 χ^2/NDF:710956.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 6307910.5/19

All: 0.000+/-0.000 χ^2/NDF: 11861374.5/41

- sign 0.000+/-0.000 χ^2/NDF: 5543814.2/21

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1285.588+/-1082.869 χ^2/NDF:0.8/3

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

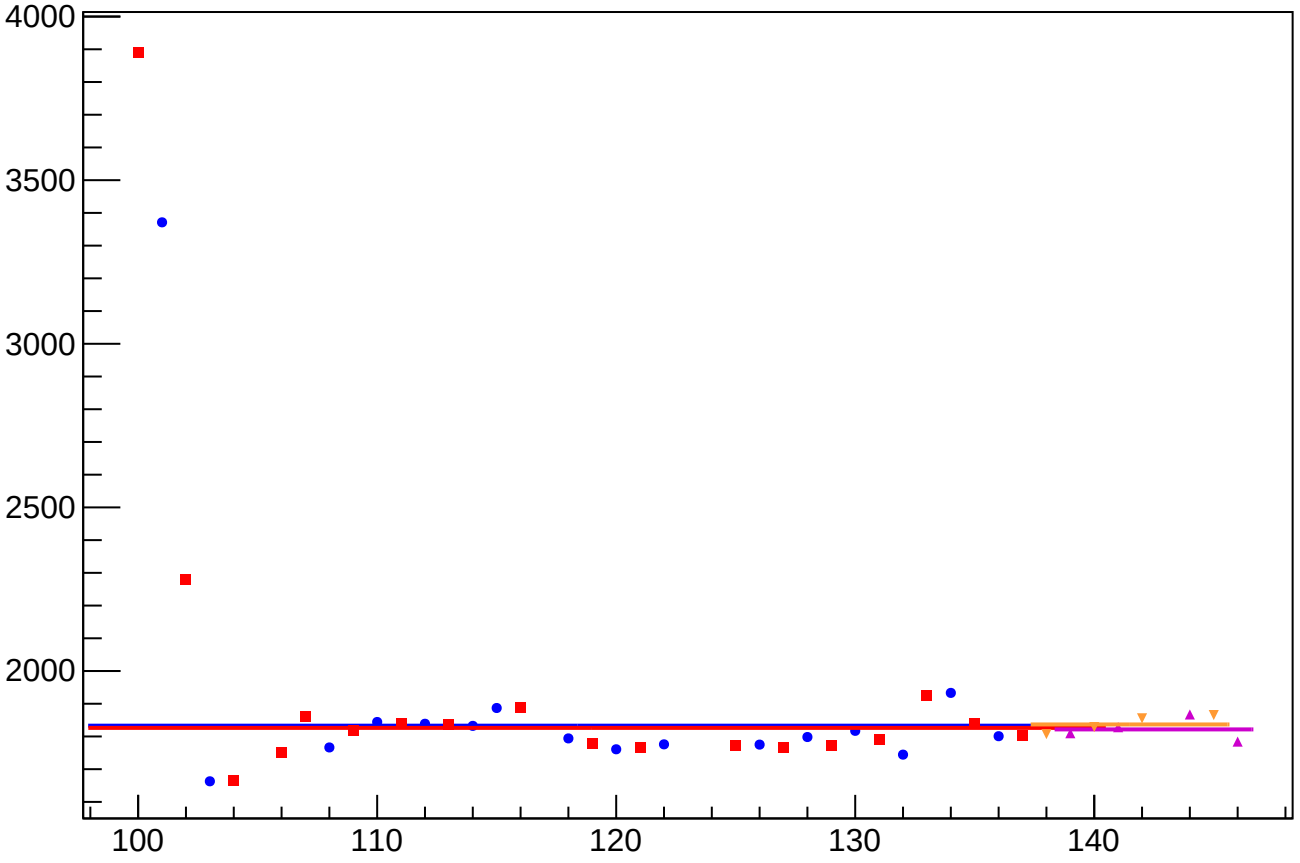
Left In: 1589.123+/-969.087 χ^2/NDF:9.9/3

+ sign -610.909+/-581.325 χ^2/NDF: 14.4/19

All: 95.312+/-402.845 χ^2/NDF: 39.2/41

- sign 747.775+/-558.762 χ^2/NDF: 22.0/21

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1836.694+/-0.766 χ^2/NDF:925.7/3

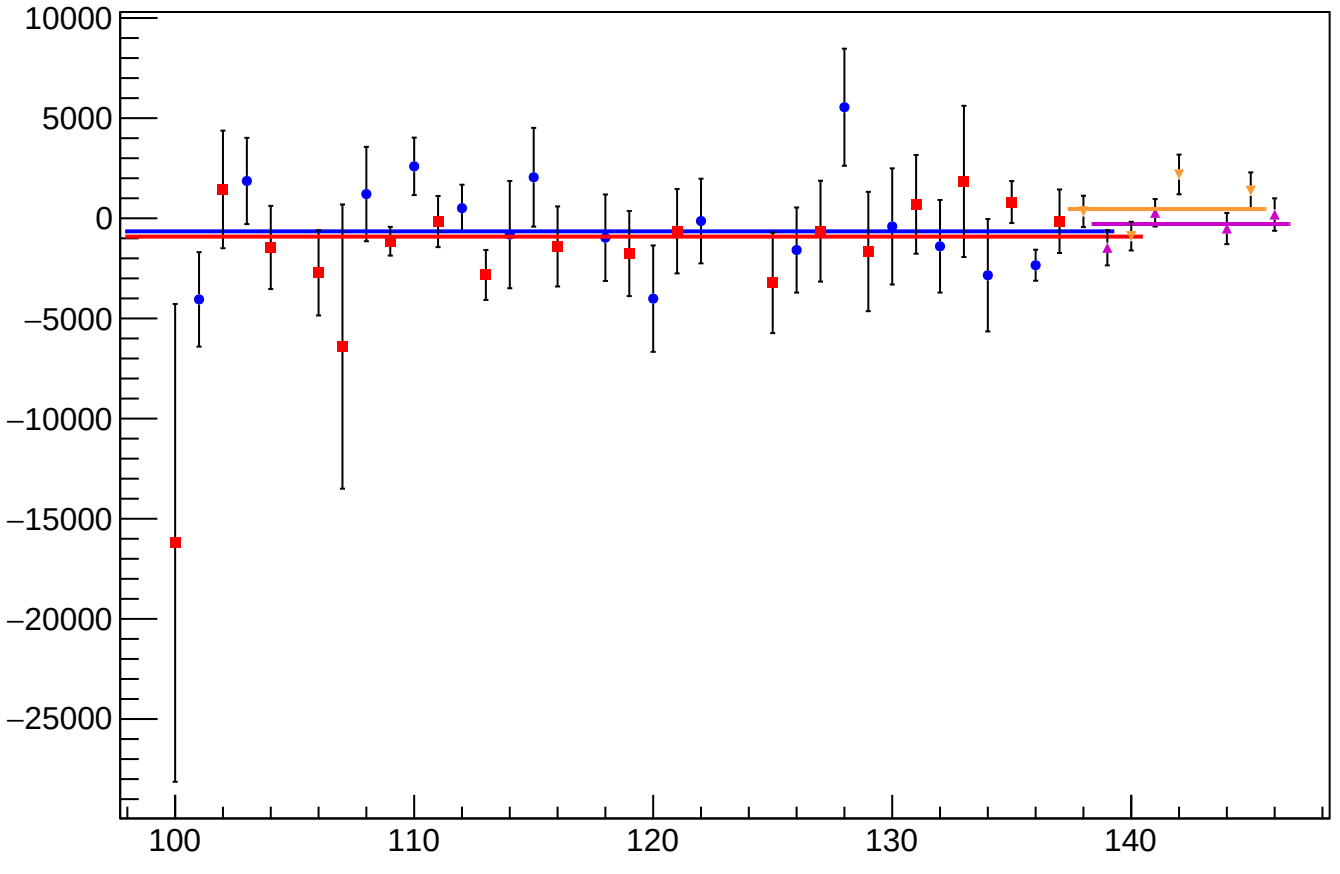
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

+ sign 1834.027+/-0.411 χ^2/NDF: 296382.1/19

All: 1829.157+/-0.285 χ^2/NDF: 401647.7/41

- sign 1824.658+/-0.395 χ^2/NDF: 104995.6/21



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: 464.689+/-415.718 χ^2/NDF:7.6/3

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

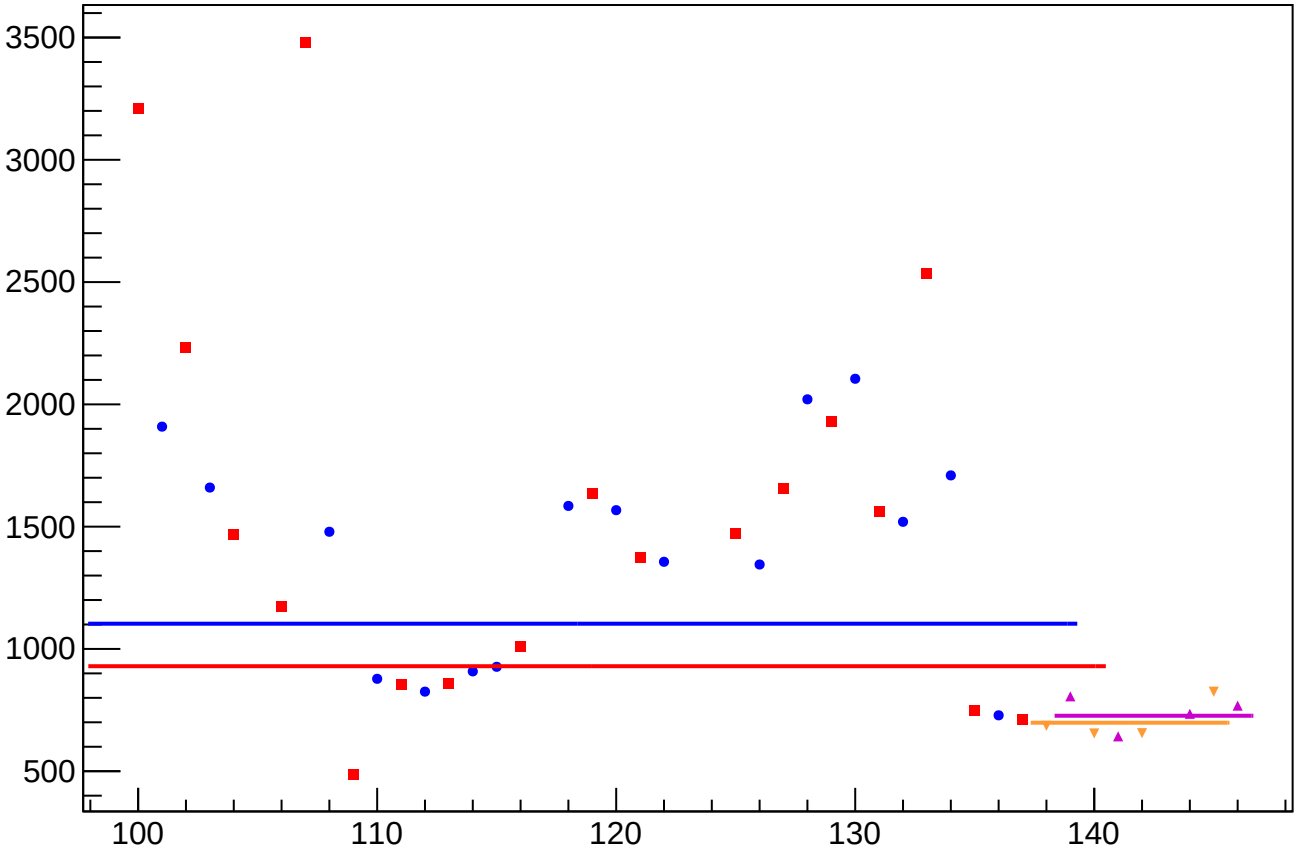
Left In: -284.392+/-389.564 χ^2/NDF:2.9/3

+ sign -59.275+/-302.866 χ^2/NDF: 34.2/19

All: -351.952+/-204.329 χ^2/NDF: 51.7/41

- sign -596.449+/-276.817 χ^2/NDF: 15.7/21

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: 698.317+/-0.294 χ^2/NDF:50004.8/3

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

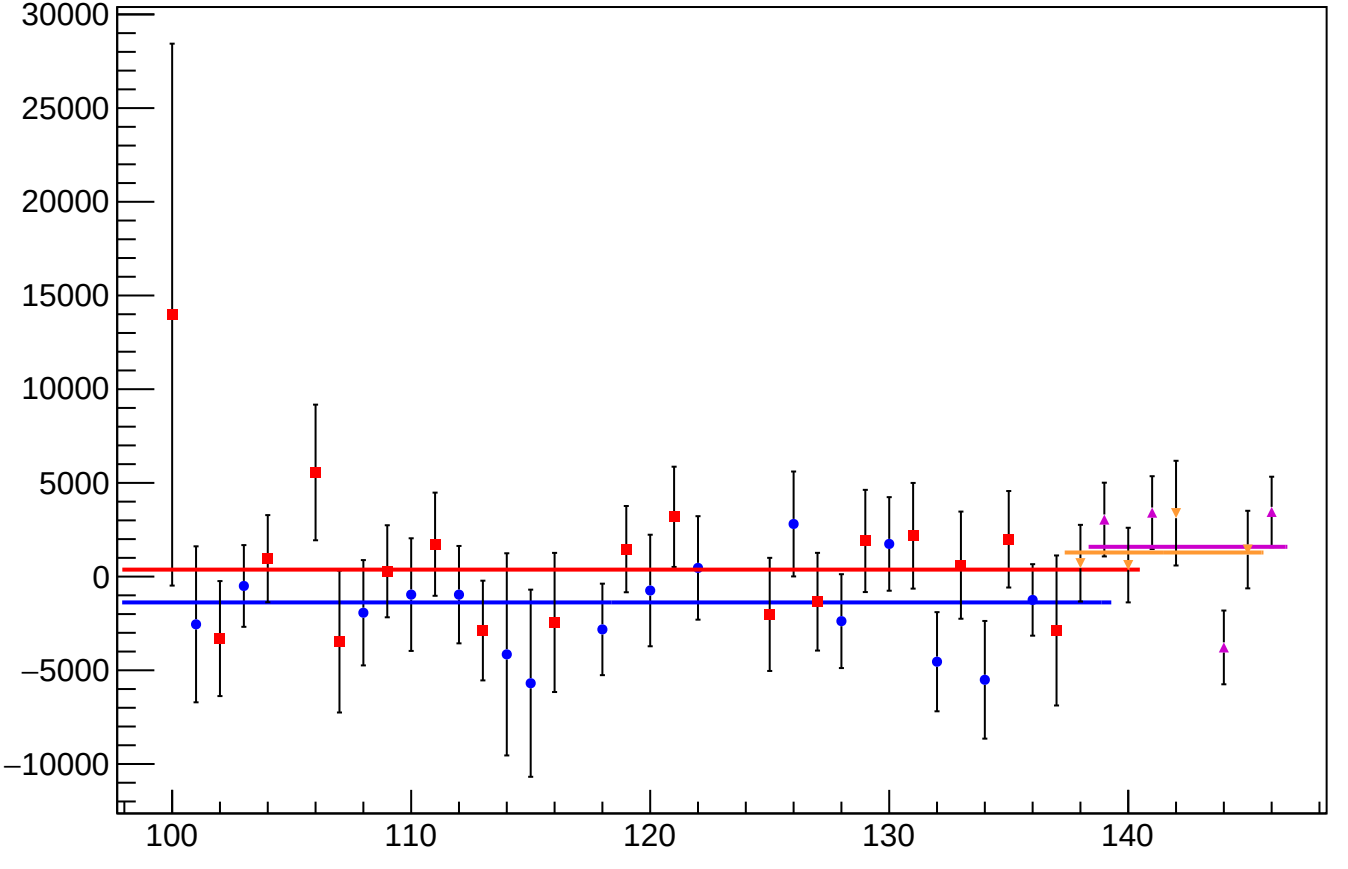
Left In: 726.814+/-0.275 χ^2/NDF:51869.5/3

\+ sign 888.295+/-0.214 χ^2/NDF: 2818295.5/19

All: 854.946+/-0.144 χ^2/NDF: 6236416.4/41

\- sign 827.088+/-0.196 χ^2/NDF: 3373616.0/21

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1285.722+/-1082.869 χ^2/NDF:0.8/3

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

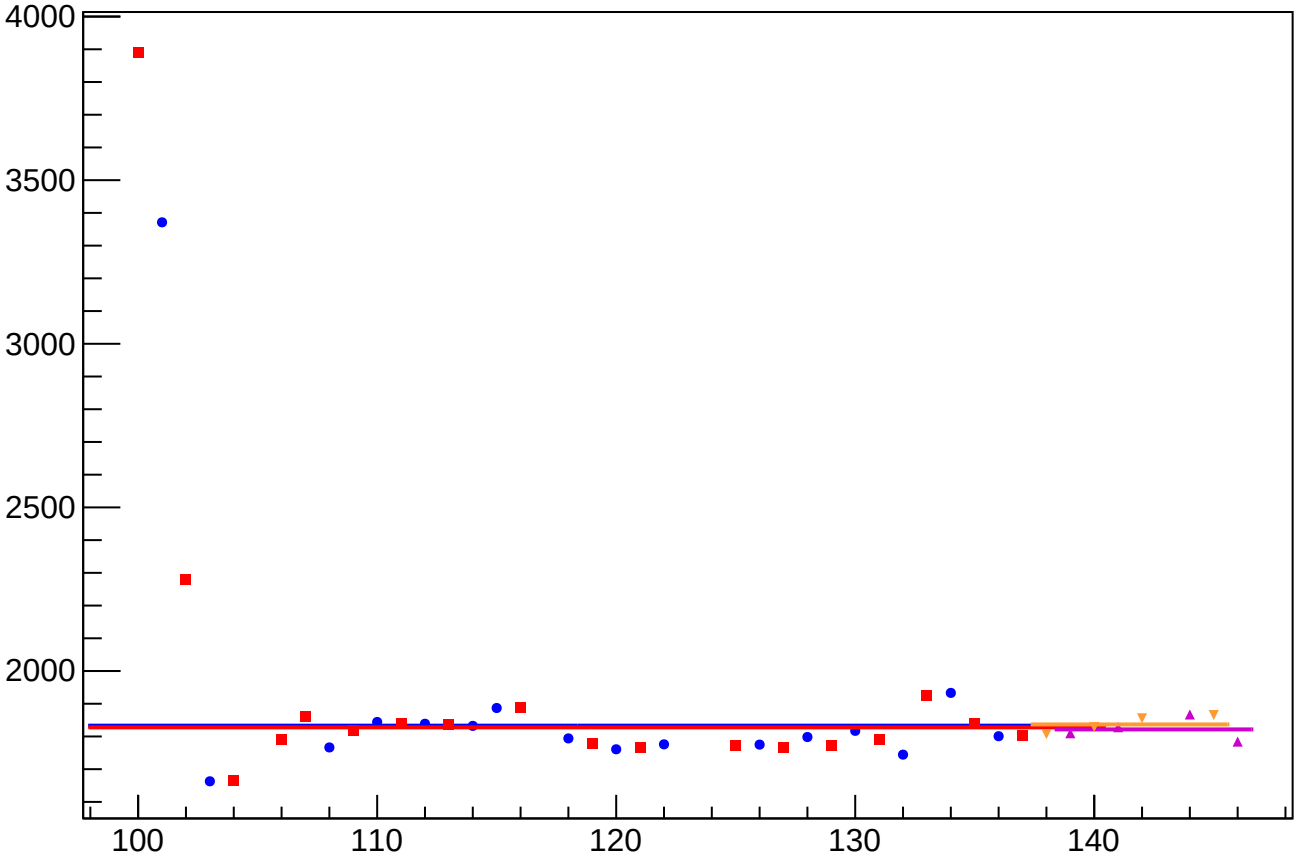
Left In: 1589.293+/-969.087 χ^2/NDF:9.9/3

+ sign -610.425+/-581.325 χ^2/NDF: 14.4/19

All: 110.621+/-402.951 χ^2/NDF: 40.2/41

- sign 777.457+/-559.045 χ^2/NDF: 22.9/21

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1836.694+/-0.766 χ^2/NDF:925.7/3

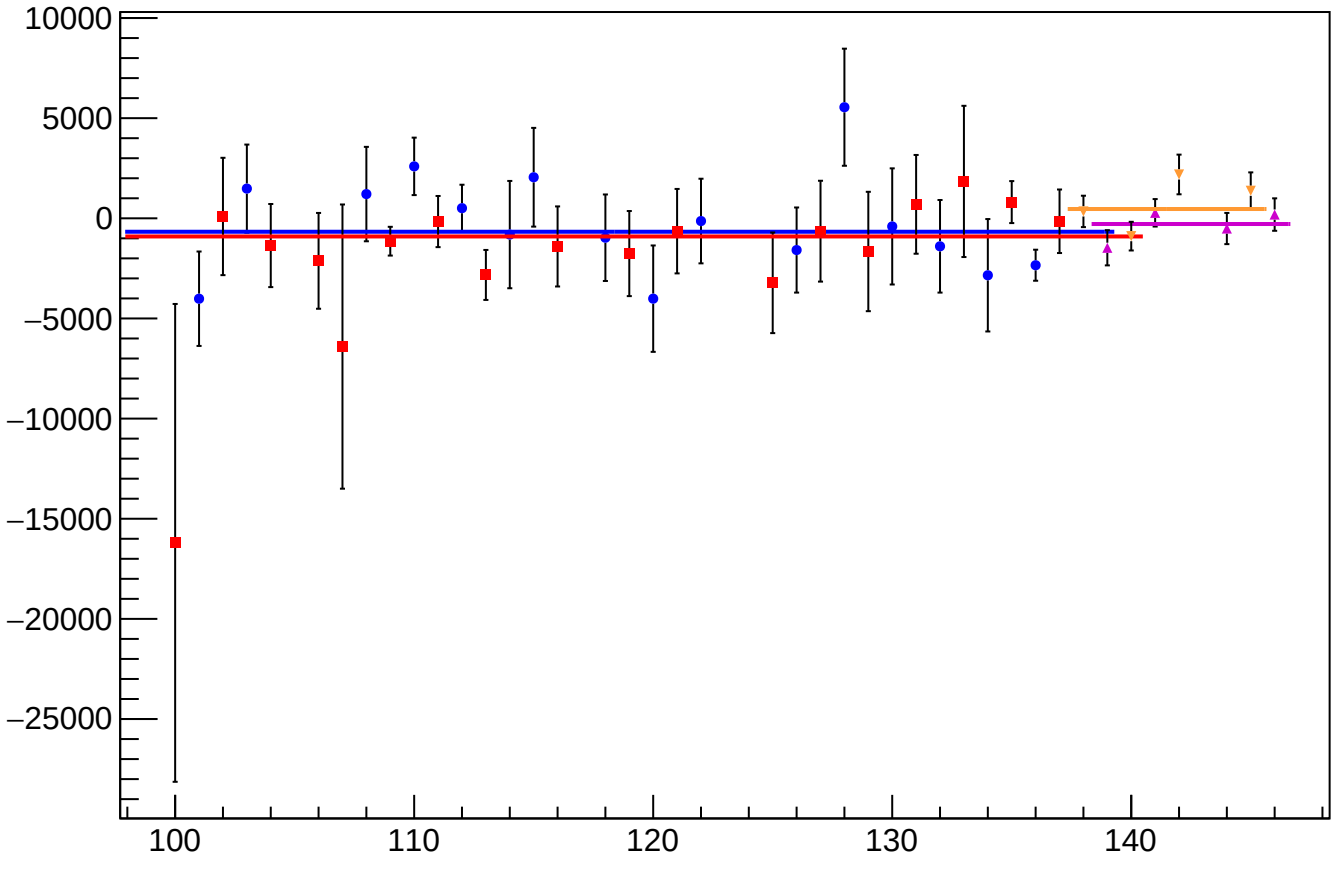
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

+ sign 1834.027+/-0.411 χ^2/NDF: 296383.9/19

All: 1829.705+/-0.285 χ^2/NDF: 400880.4/41

- sign 1825.709+/-0.395 χ^2/NDF: 104283.8/21



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 464.594+/-415.724 χ^2/NDF:7.6/3

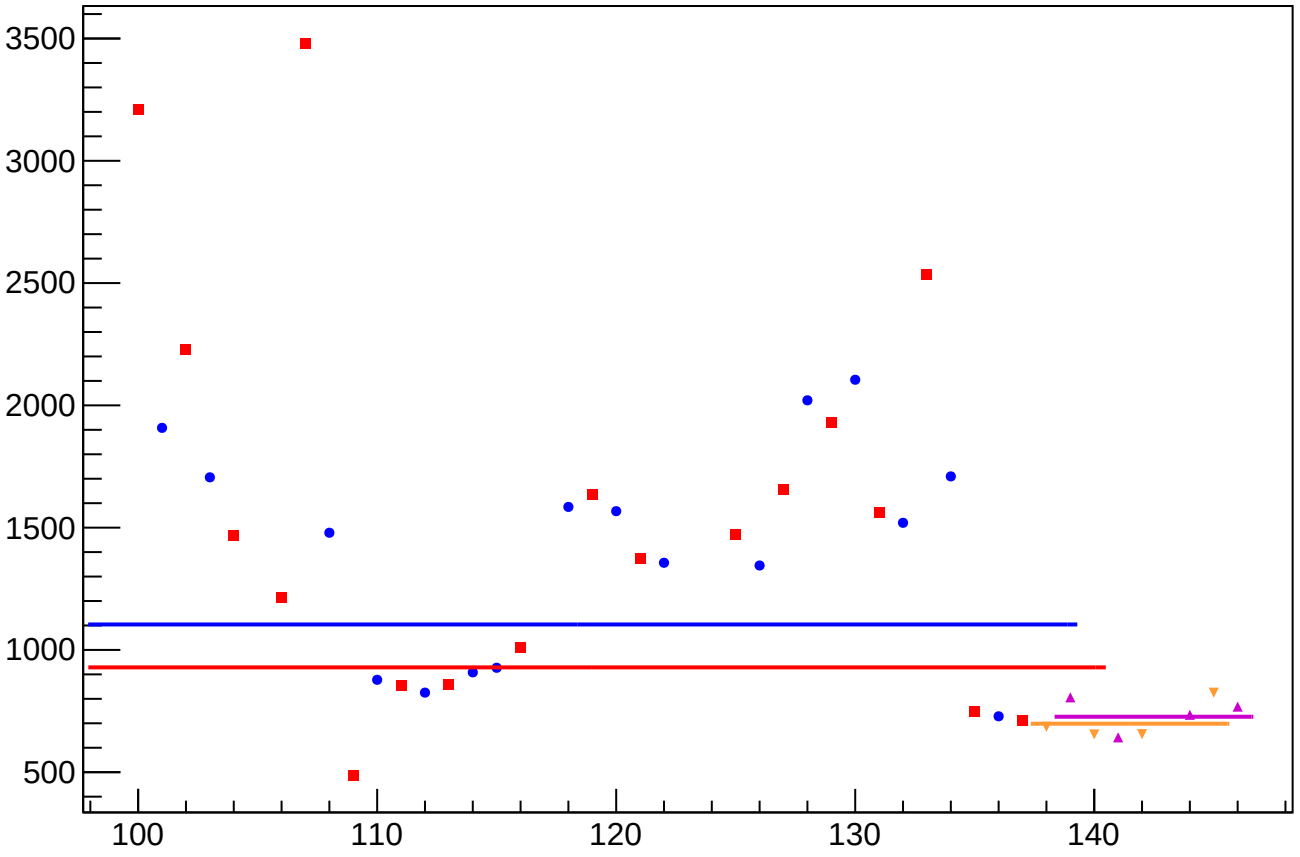
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -284.346+/-389.562 χ^2/NDF:2.9/3

+ sign -67.585+/-302.987 χ^2/NDF: 33.9/19

All: -352.388+/-204.560 χ^2/NDF: 50.2/41

- sign -590.948+/-277.300 χ^2/NDF: 14.7/21



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 698.327+/-0.294 χ^2/NDF:50002.4/3

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

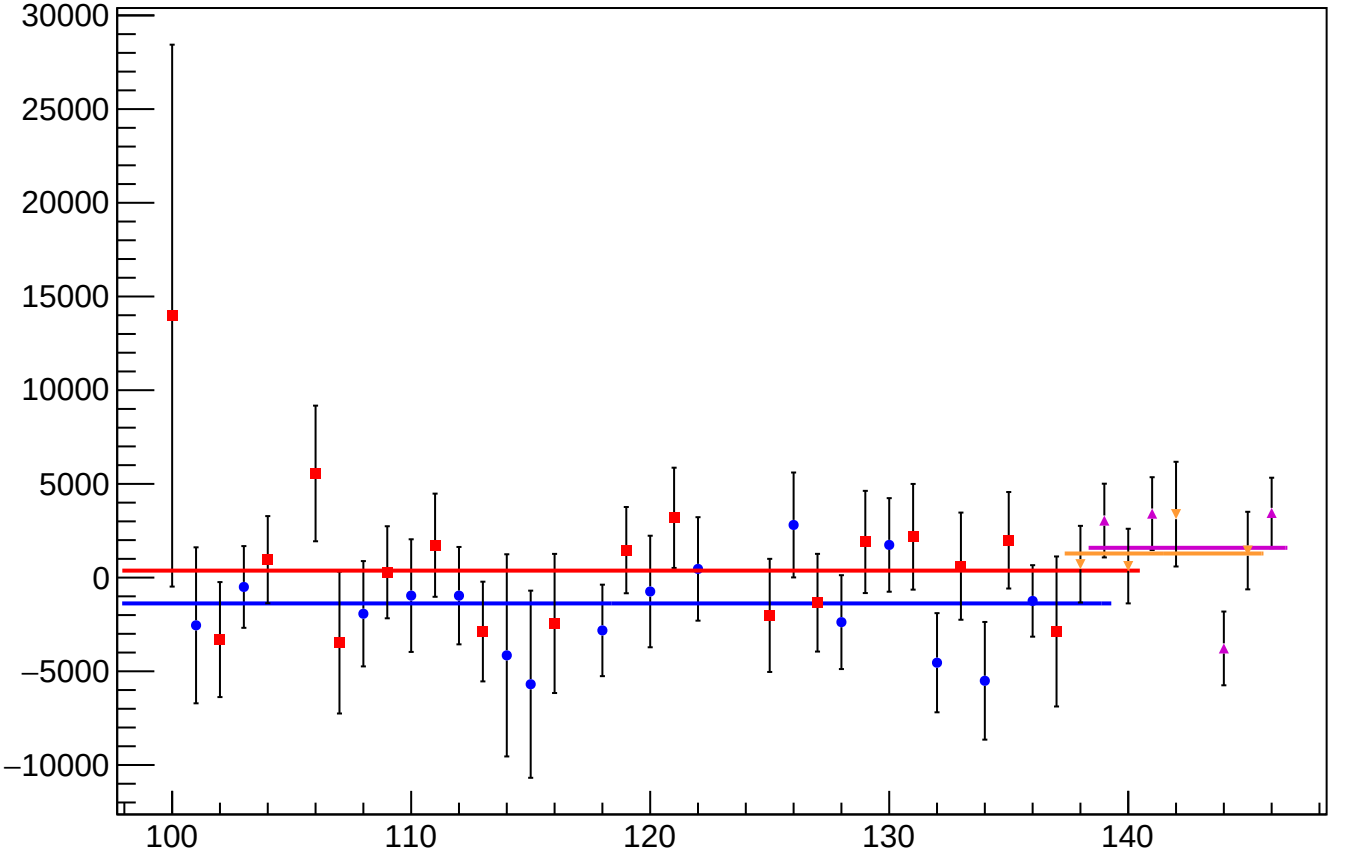
Left In: 726.810+/-0.275 χ^2/NDF:51888.5/3

\+ sign 888.565+/-0.214 χ^2/NDF: 2837795.1/19

All: 854.719+/-0.145 χ^2/NDF: 6254726.8/41

\- sign 826.368+/-0.196 χ^2/NDF: 3371068.8/21

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: 1285.722+/-1082.869 χ^2/NDF:0.8/3

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

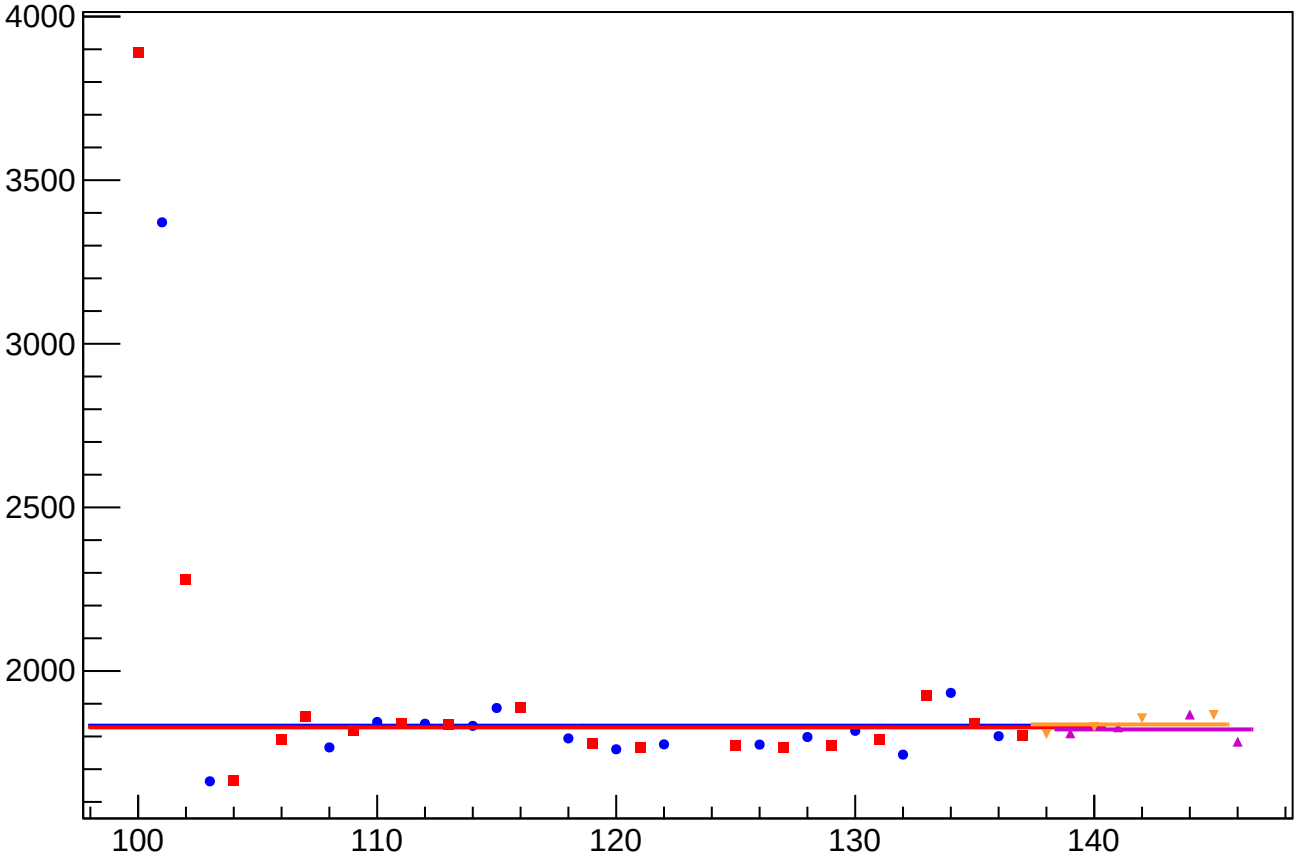
Left In: 1589.293+/-969.087 χ^2/NDF:9.9/3

+ sign -610.425+/-581.325 χ^2/NDF: 14.4/19

All: 110.621+/-402.951 χ^2/NDF: 40.2/41

- sign 777.457+/-559.045 χ^2/NDF: 22.9/21

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: 1836.694+/-0.766 χ^2/NDF:925.7/3

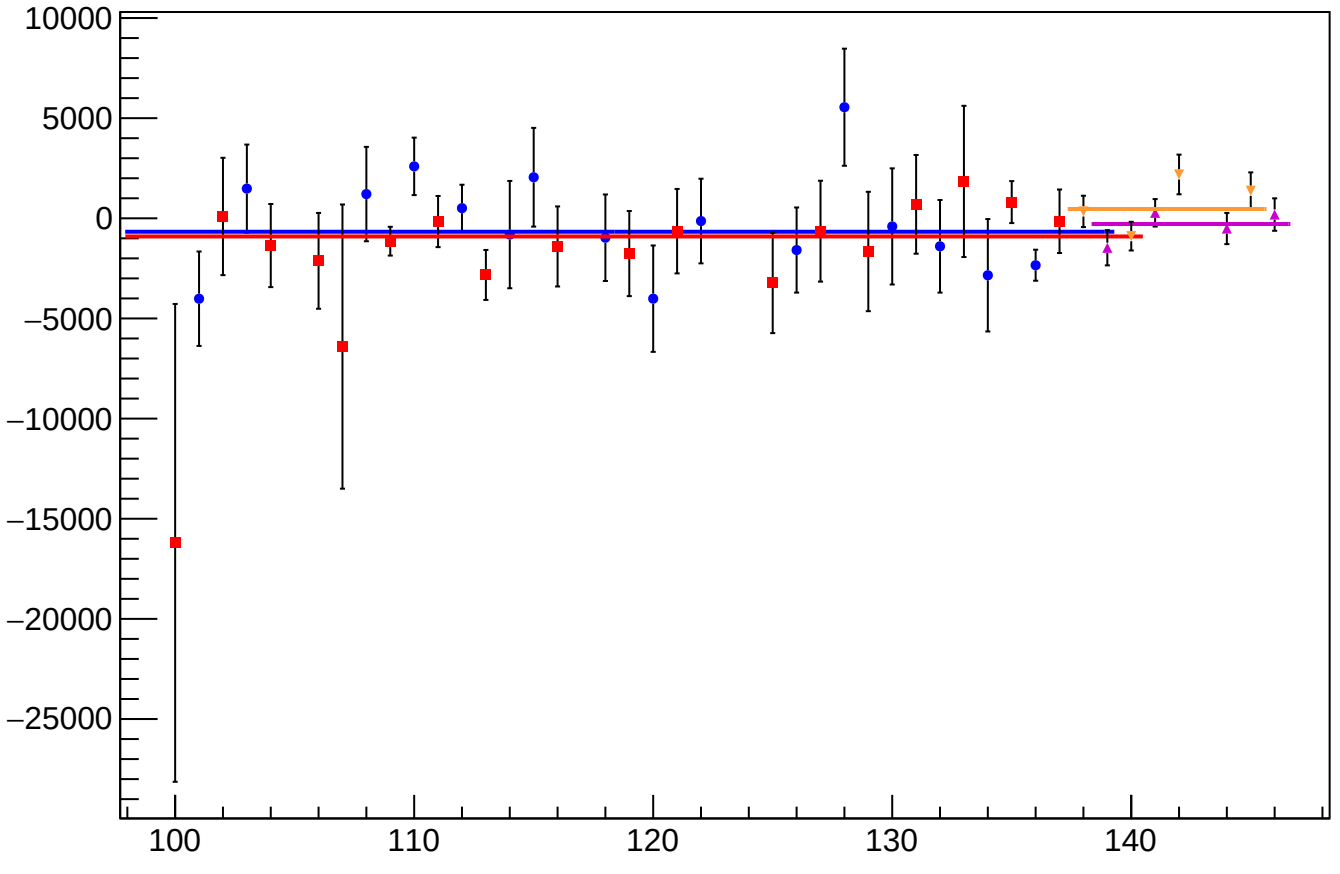
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

+ sign 1834.027+/-0.411 χ^2/NDF: 296383.9/19

All: 1829.705+/-0.285 χ^2/NDF: 400880.4/41

- sign 1825.709+/-0.395 χ^2/NDF: 104283.8/21



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 464.594+/-415.724 χ^2/NDF:7.6/3

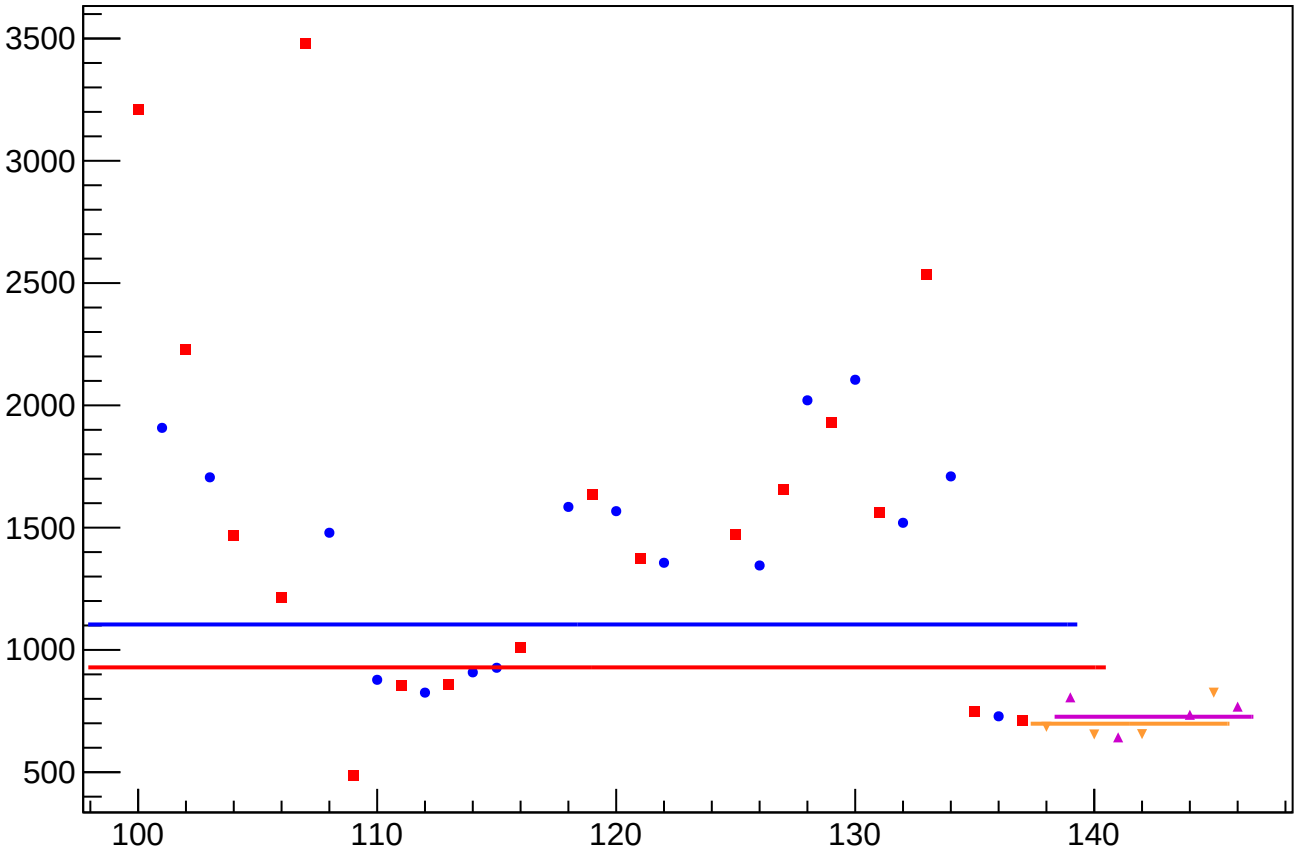
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -284.346+/-389.562 χ^2/NDF:2.9/3

\+ sign -67.585+/-302.987 χ^2/NDF: 33.9/19

All: -352.388+/-204.560 χ^2/NDF: 50.2/41

\- sign -590.948+/-277.300 χ^2/NDF: 14.7/21



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 698.327+/-0.294 χ^2/NDF:50002.4/3

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

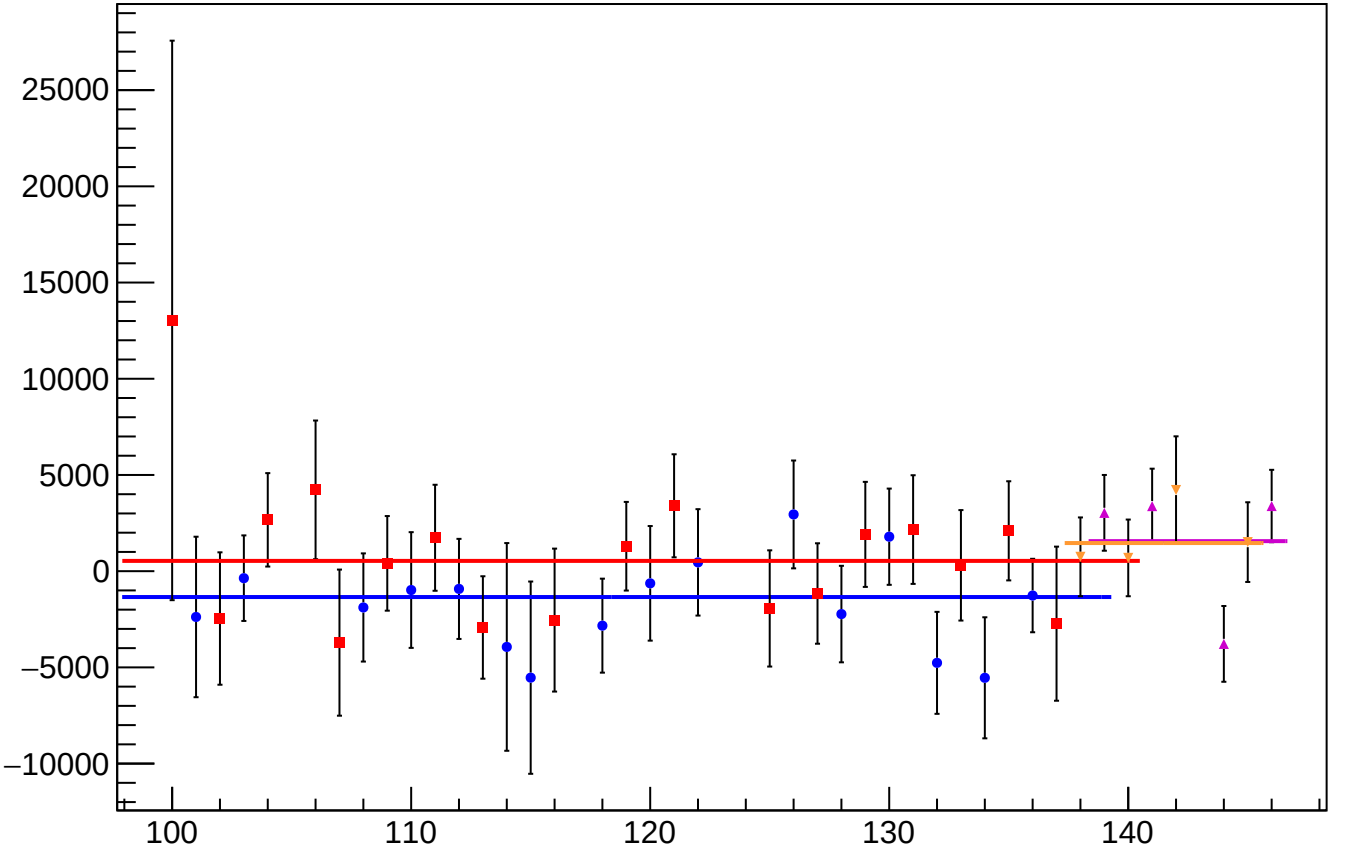
Left In: 726.810+/-0.275 χ^2/NDF:51888.5/3

+ sign 888.565+/-0.214 χ^2/NDF: 2837795.1/19

All: 854.719+/-0.145 χ^2/NDF: 6254726.8/41

- sign 826.368+/-0.196 χ^2/NDF: 3371068.8/21

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 1461.794+/-1083.400 χ^2/NDF:1.2/3

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

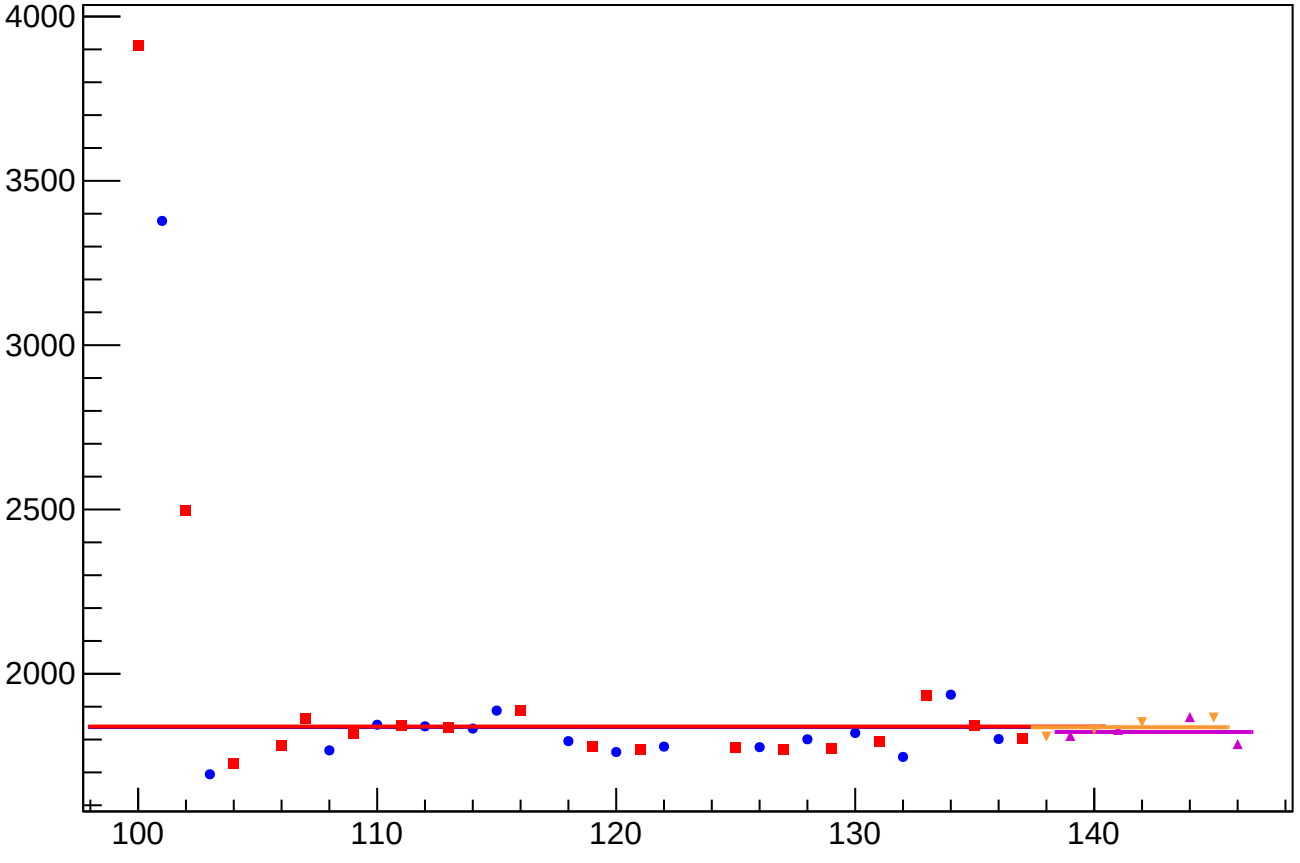
Left In: 1560.918+/-969.872 χ^2/NDF:9.7/3

+ sign -532.726+/-582.553 χ^2/NDF: 15.6/19

All: 197.979+/-404.747 χ^2/NDF: 40.3/41

- sign 879.869+/-562.758 χ^2/NDF: 21.6/21

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1837.549+/-0.766 χ^2/NDF:881.2/3

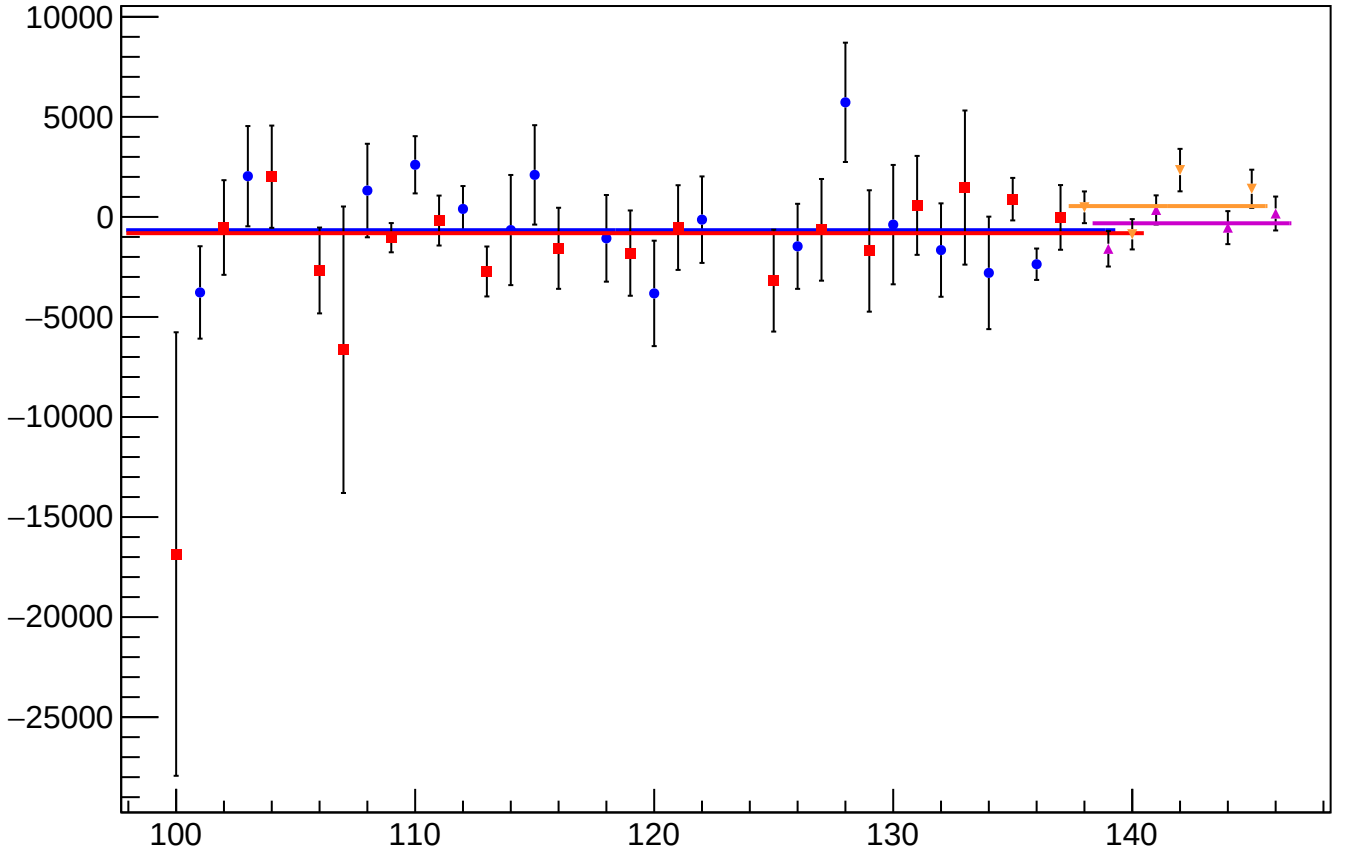
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1823.023+/-0.686 χ^2/NDF:1924.6/3

+ sign 1837.983+/-0.412 χ^2/NDF: 292865.7/19

All: 1835.904+/-0.286 χ^2/NDF: 423476.7/41

- sign 1833.964+/-0.398 χ^2/NDF: 130561.8/21



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: 541.784+/-433.569 χ^2/NDF:7.2/3

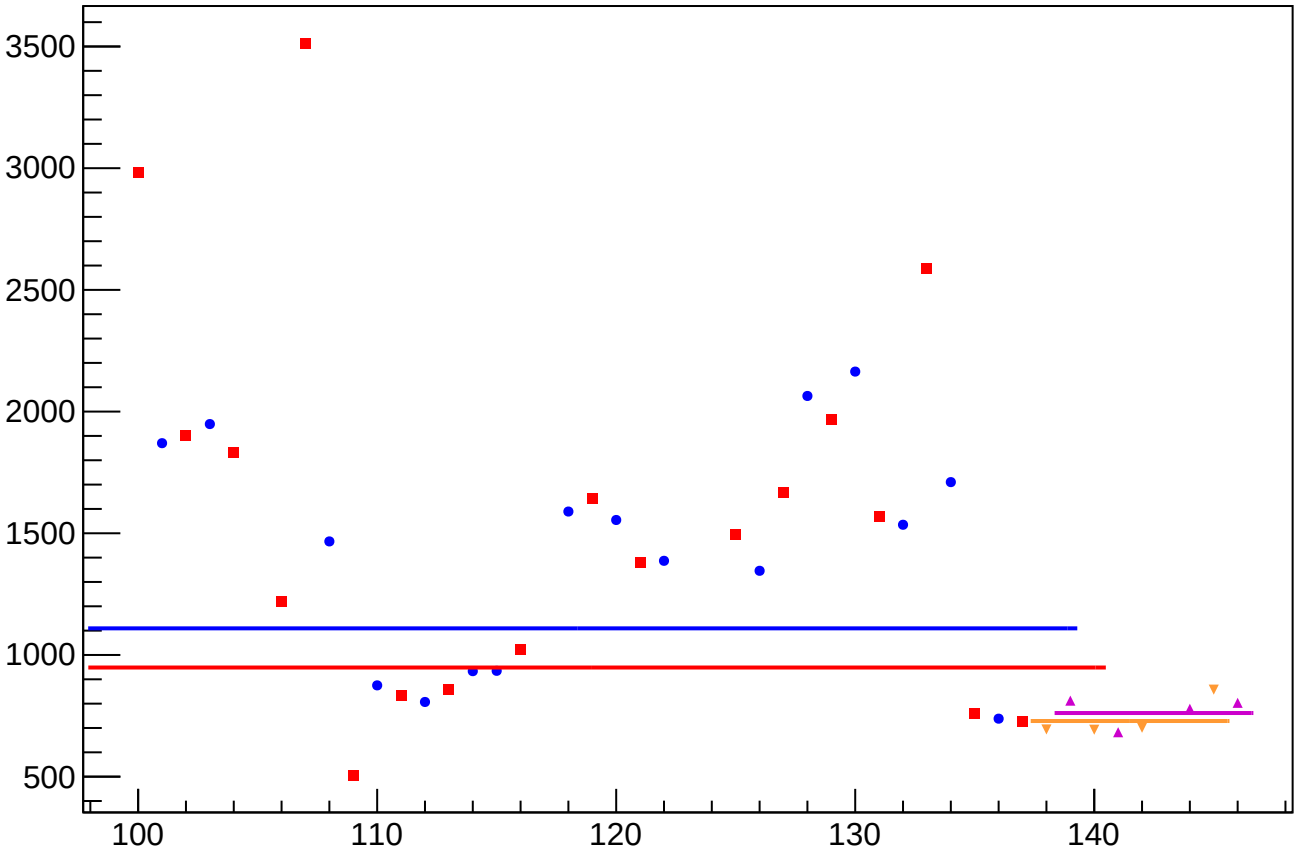
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -317.624+/-407.572 χ^2/NDF:3.3/3

+ sign -43.953+/-310.849 χ^2/NDF: 33.7/19

All: -330.955+/-209.851 χ^2/NDF: 51.6/41

- sign -571.287+/-284.454 χ^2/NDF: 16.3/21



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 728.619+/-0.307 χ^2/NDF:46177.7/3

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

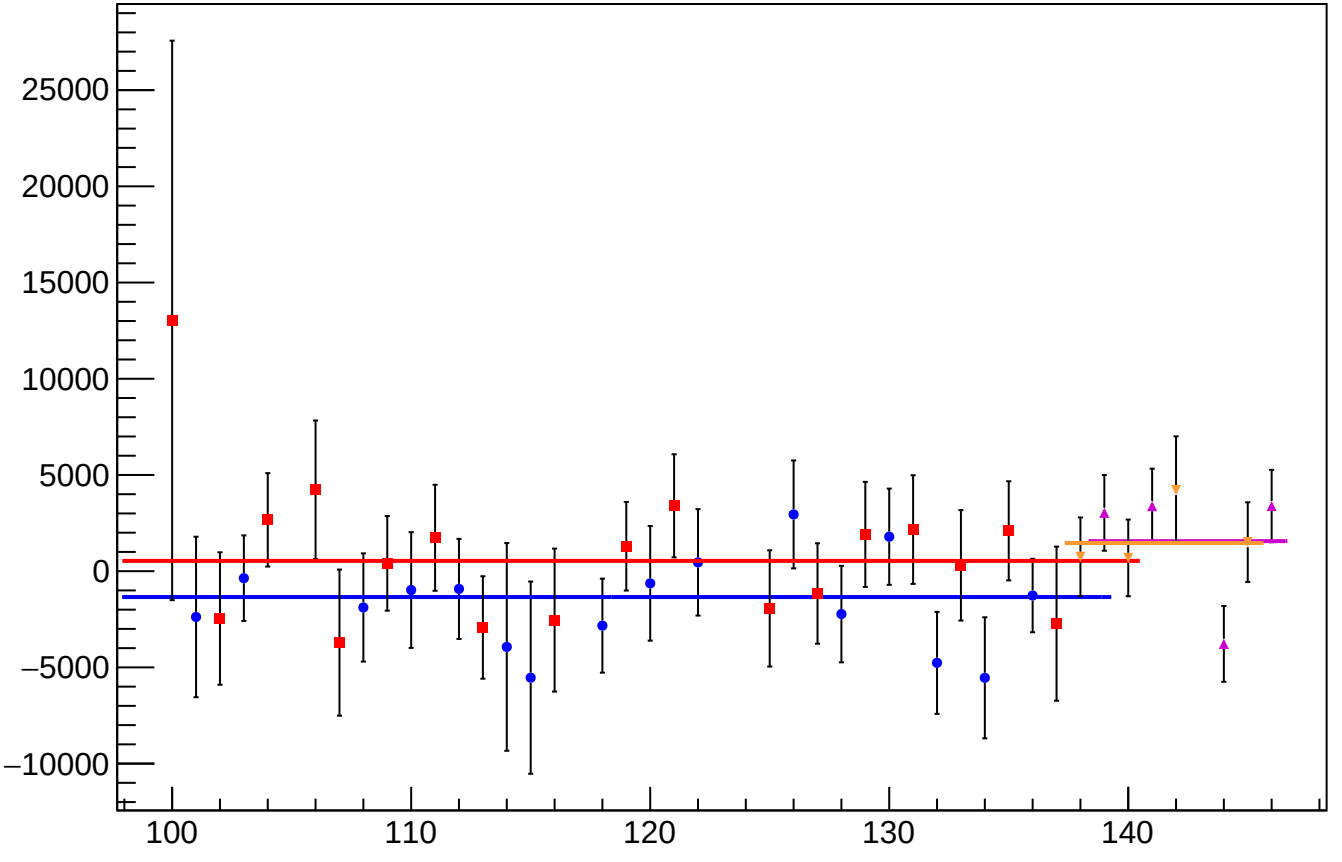
Left In: 761.488+/-0.288 χ^2/NDF:35867.2/3

+ sign 913.652+/-0.220 χ^2/NDF: 2769079.5/19

All: 883.023+/-0.148 χ^2/NDF: 6110120.8/41

- sign 857.375+/-0.201 χ^2/NDF: 3305365.0/21

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 1461.798+/-1083.400 χ^2/NDF:1.2/3

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

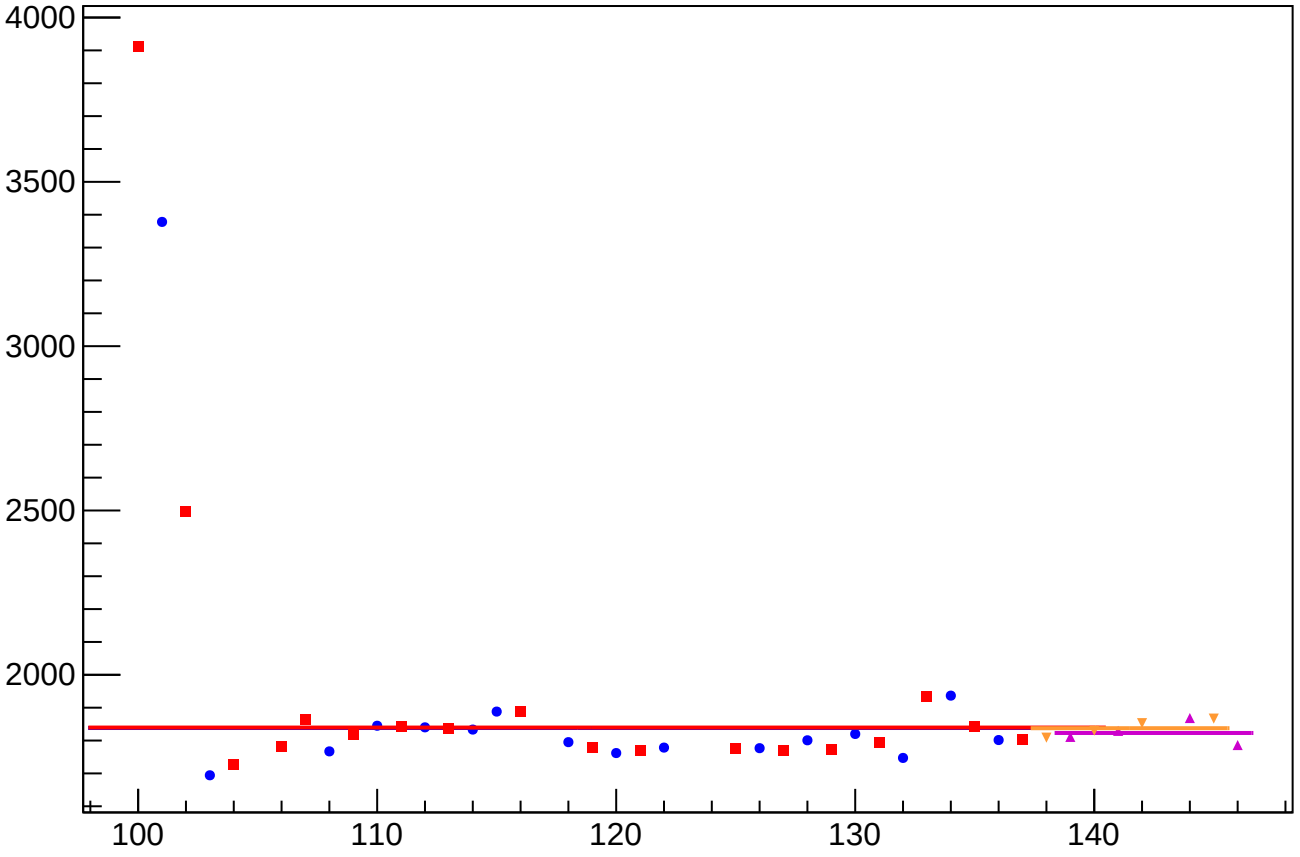
Left In: 1560.910+/-969.872 χ^2/NDF:9.7/3

+ sign -532.727+/-582.553 χ^2/NDF: 15.6/19

All: 197.979+/-404.747 χ^2/NDF: 40.3/41

- sign 879.870+/-562.758 χ^2/NDF: 21.6/21

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: 1837.549+/-0.766 χ^2/NDF:881.2/3

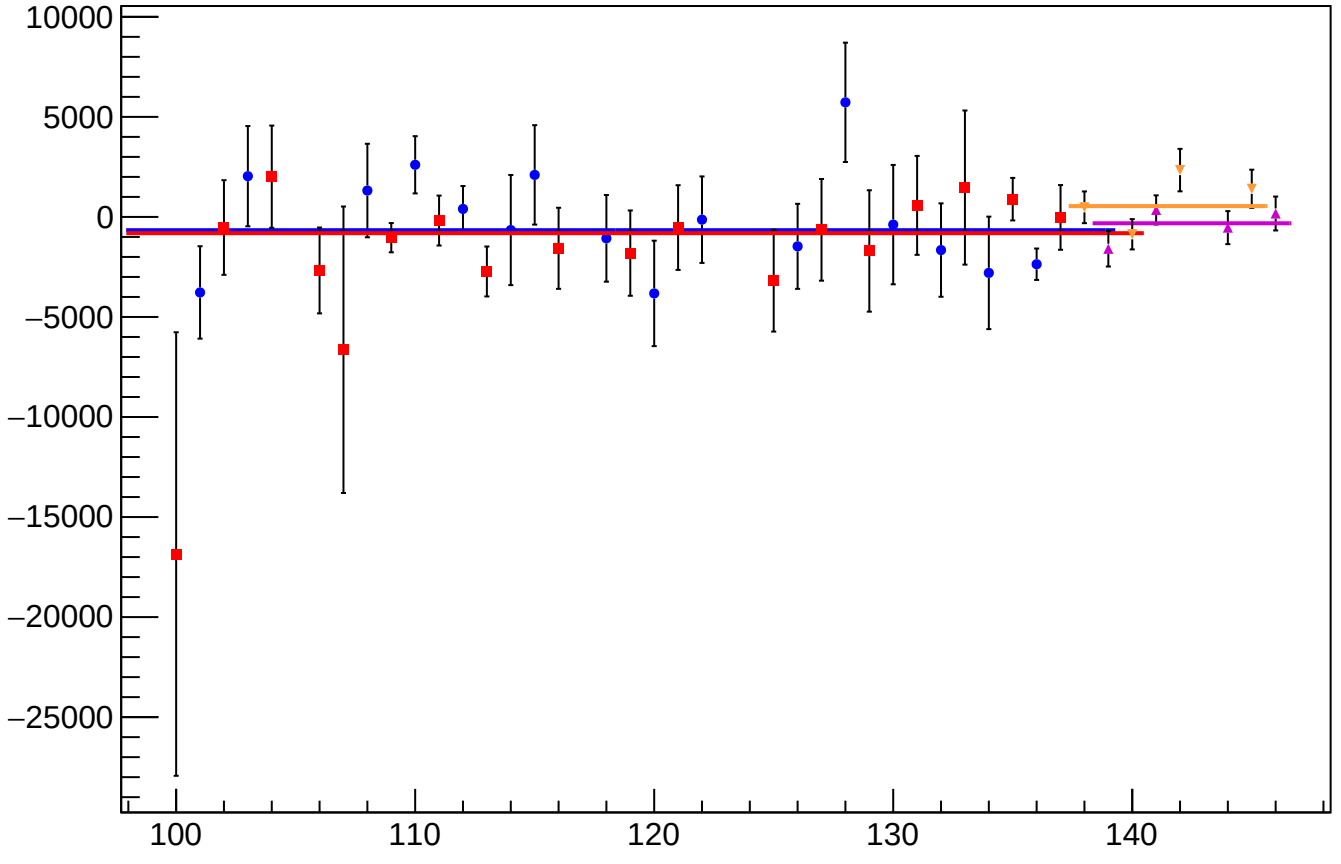
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1823.023+/-0.686 χ^2/NDF:1924.6/3

+ sign 1837.983+/-0.412 χ^2/NDF: 292865.6/19

All: 1835.904+/-0.286 χ^2/NDF: 423476.7/41

- sign 1833.964+/-0.398 χ^2/NDF: 130561.9/21



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: 541.789+/-433.573 χ^2/NDF:7.2/3

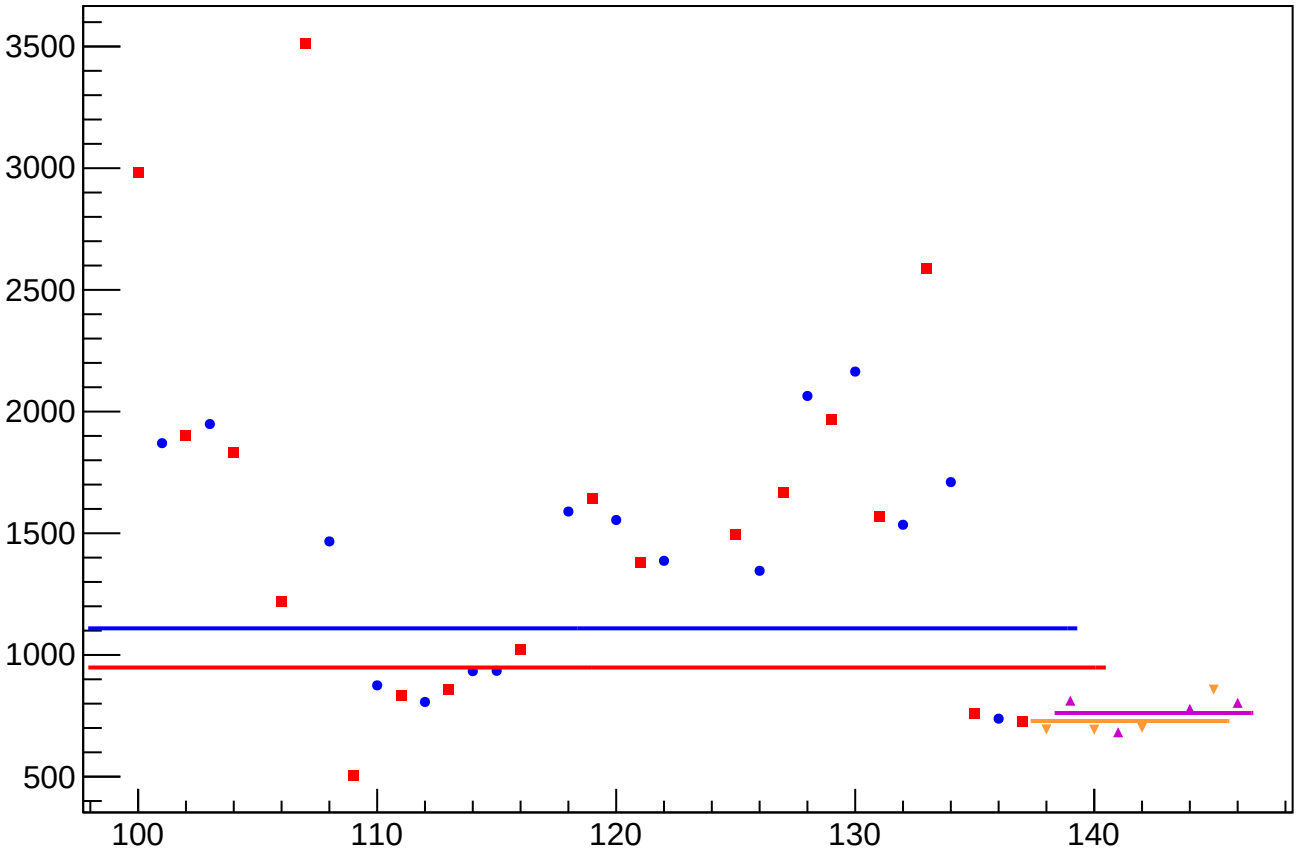
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -317.619+/-407.573 χ^2/NDF:3.3/3

\+ sign -43.947+/-310.850 χ^2/NDF: 33.7/19

All: -330.954+/-209.852 χ^2/NDF: 51.6/41

\- sign -571.288+/-284.455 χ^2/NDF: 16.3/21



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 728.625+/-0.307 χ^2/NDF:46172.6/3

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

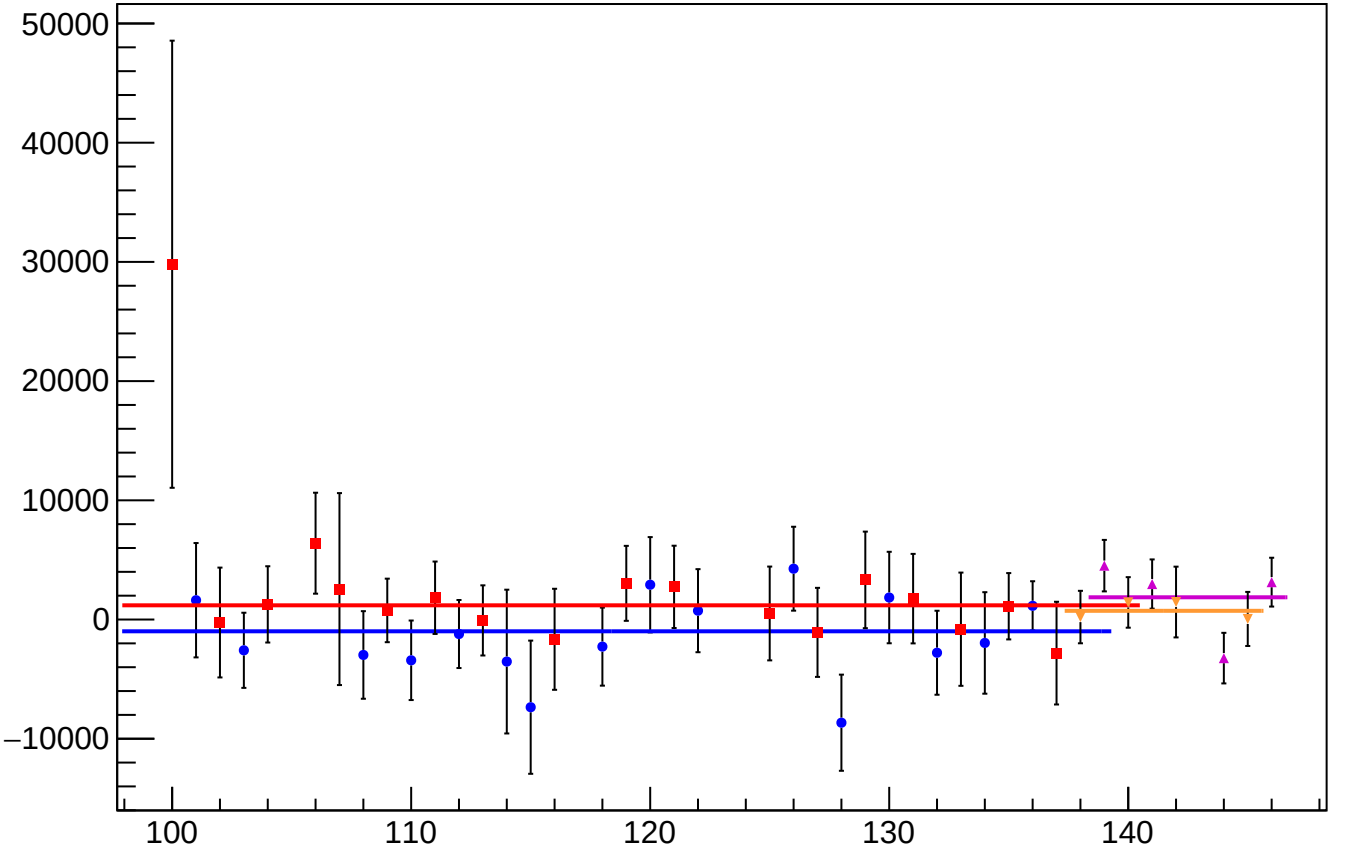
Left In: 761.490+/-0.288 χ^2/NDF:35868.0/3

+ sign 913.657+/-0.220 χ^2/NDF: 2769015.7/19

All: 883.027+/-0.148 χ^2/NDF: 6110036.6/41

- sign 857.378+/-0.201 χ^2/NDF: 3305340.2/21

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 730.248+/-1164.934 χ^2/NDF:0.3/3

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

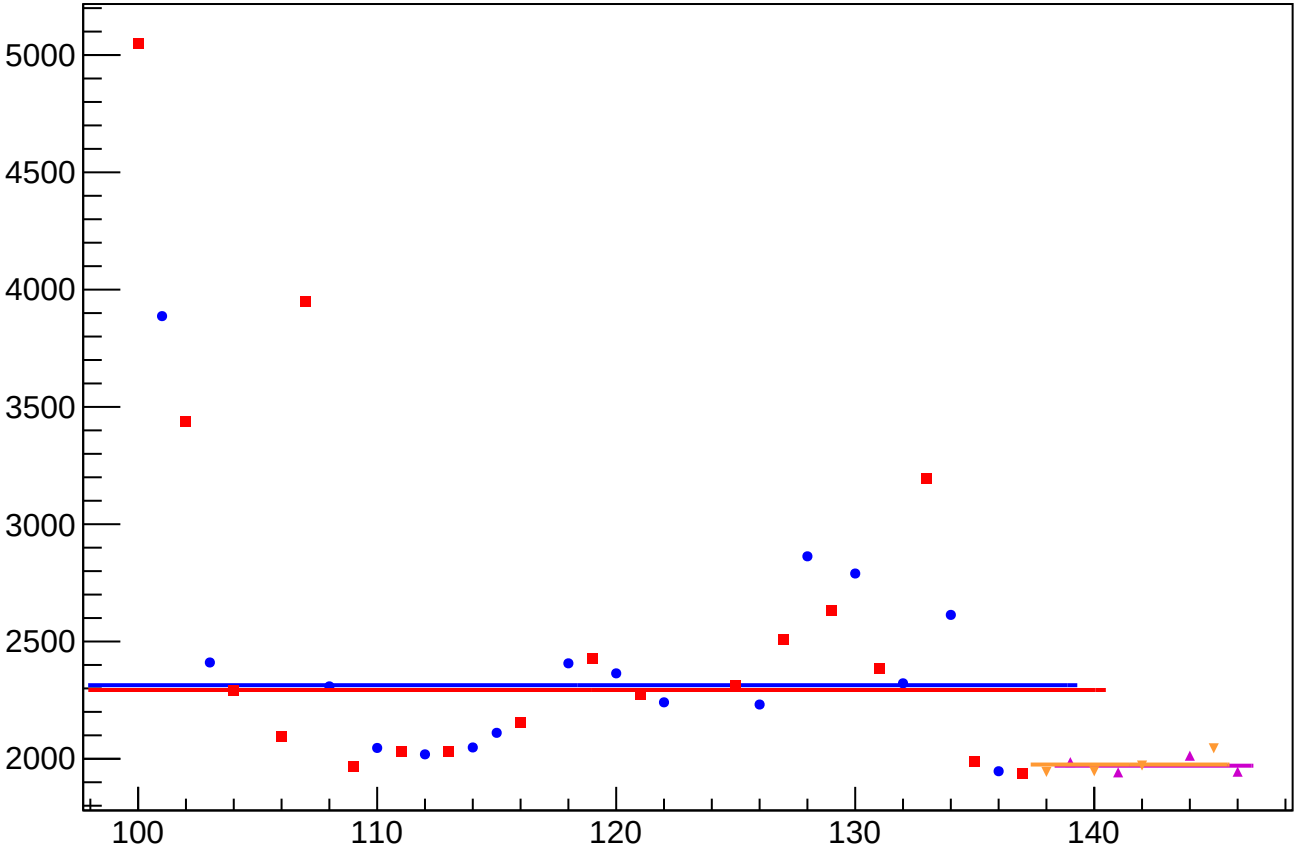
Left In: 1865.263+/-1048.459 χ^2/NDF:8.0/3

+ sign -369.005+/-699.032 χ^2/NDF: 13.7/19

All: 588.202+/-483.592 χ^2/NDF: 32.5/41

- sign 1466.804+/-669.715 χ^2/NDF: 15.2/21

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1975.509+/-0.824 χ^2/NDF:2646.8/3

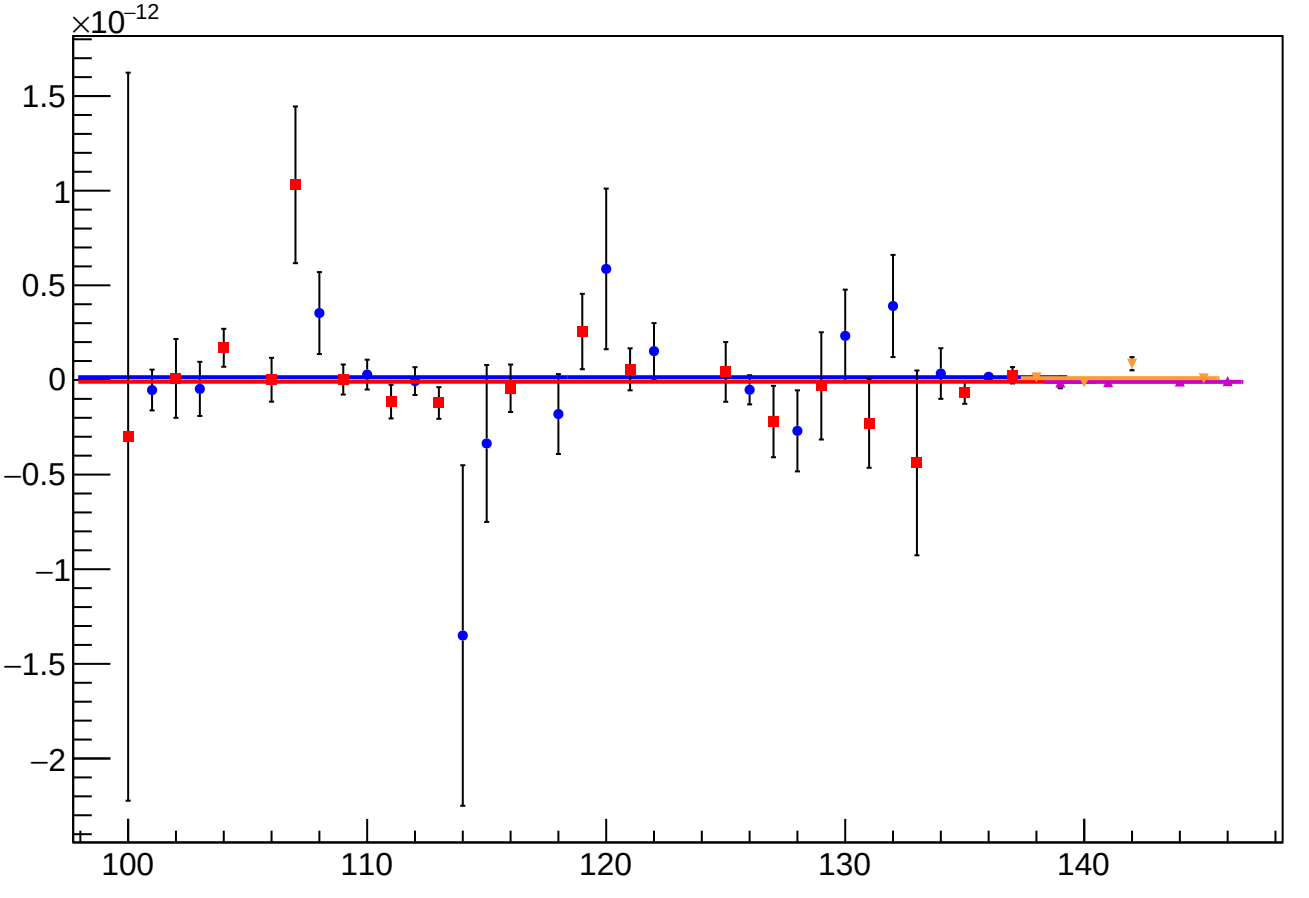
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1970.608+/-0.741 χ^2/NDF:1596.4/3

+ sign 2191.953+/-0.494 χ^2/NDF: 513294.5/19

All: 2176.138+/-0.342 χ^2/NDF: 1082192.3/41

- sign 2161.622+/-0.474 χ^2/NDF: 566934.5/21



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/3

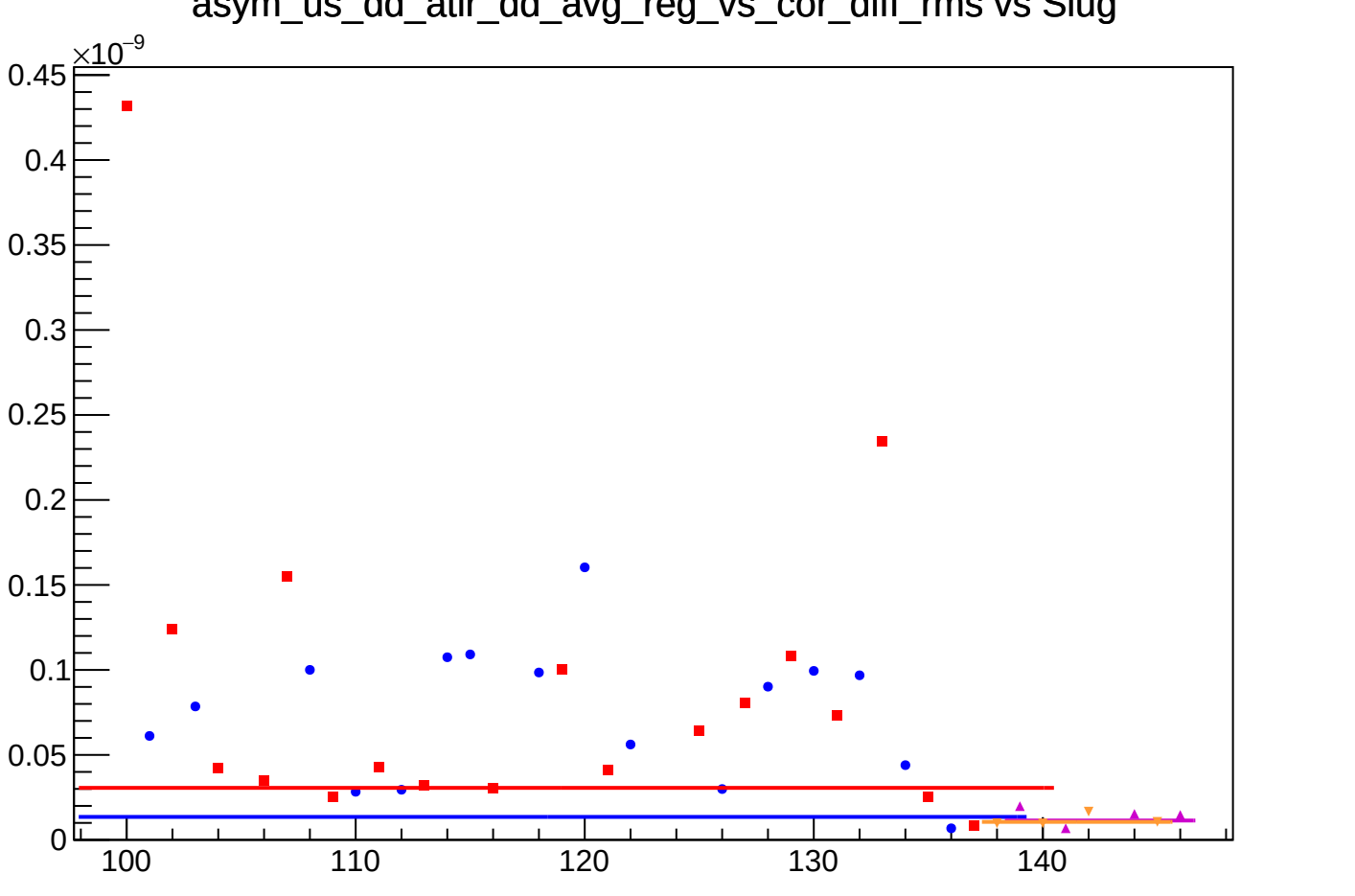
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.5/19

All: 0.000+/-0.000 χ^2/NDF: 43.9/41

- sign -0.000+/-0.000 χ^2/NDF: 19.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:68592.4/3

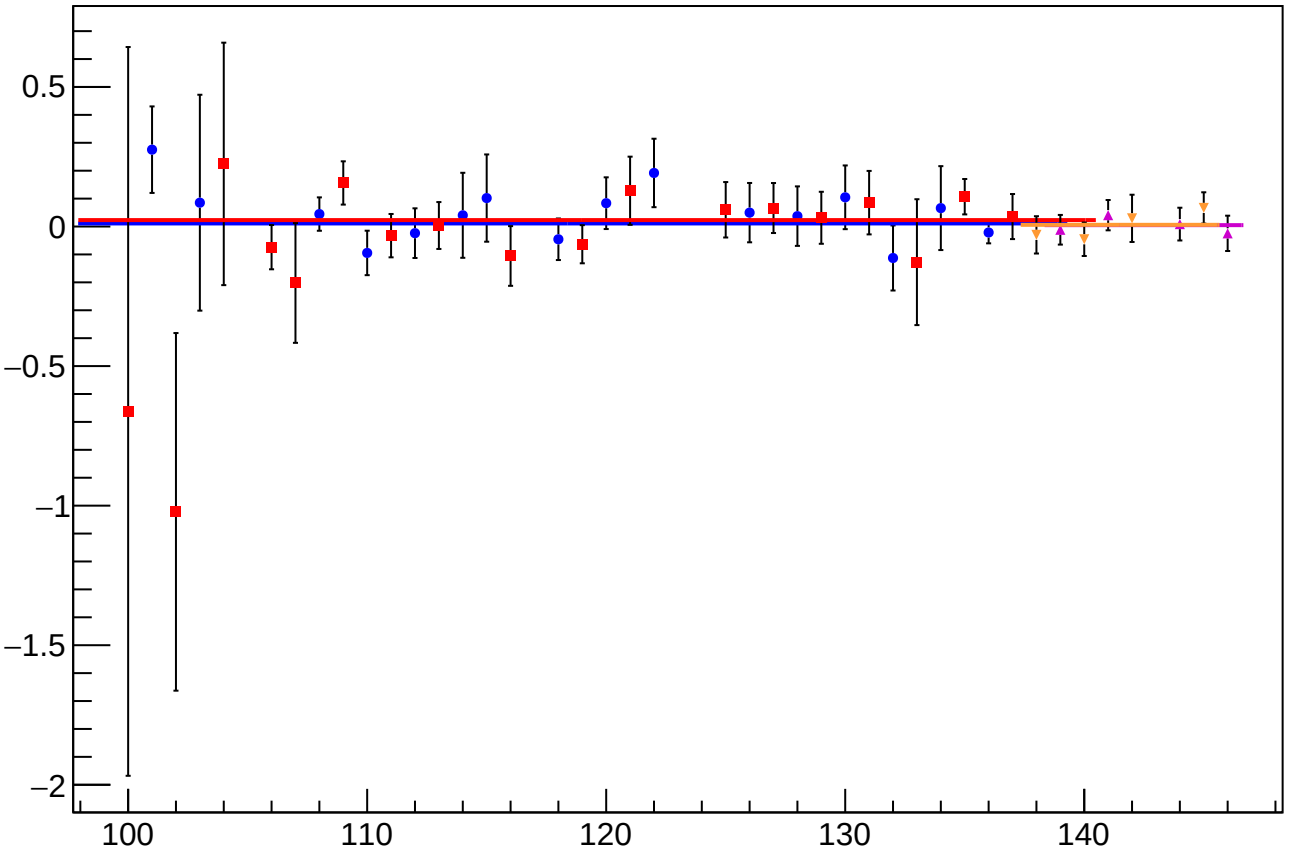
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:449764.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 3541554.9/19

All: 0.000+/-0.000 χ^2/NDF: 7510737.9/41

- sign 0.000+/-0.000 χ^2/NDF: 3872632.2/21



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

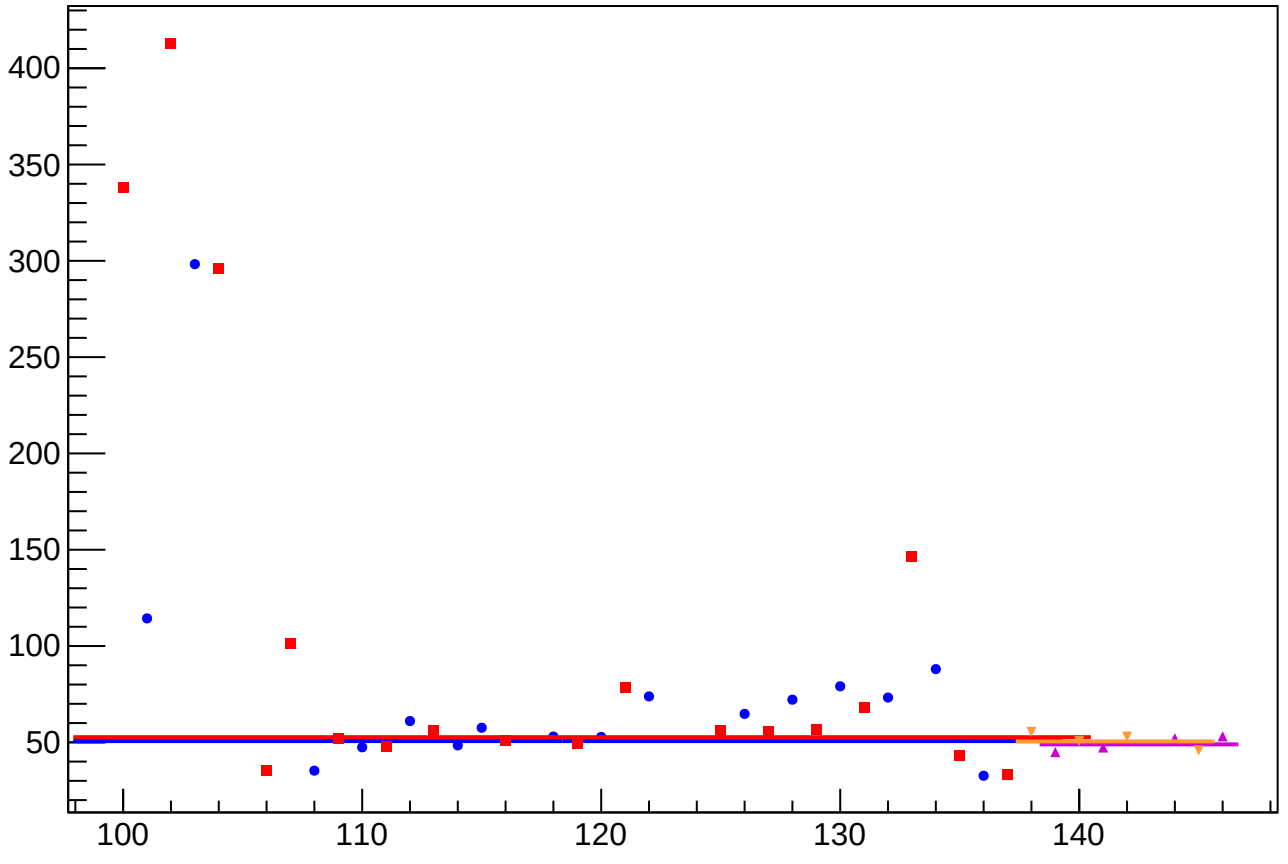
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.005+/-0.028 χ^2/NDF:0.7/3

+ sign 0.009+/-0.018 χ^2/NDF: 14.0/19

All: 0.013+/-0.013 χ^2/NDF: 31.0/41

- sign 0.016+/-0.018 χ^2/NDF: 16.9/21



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 50.468+/-0.023 χ^2/NDF:26728.1/3

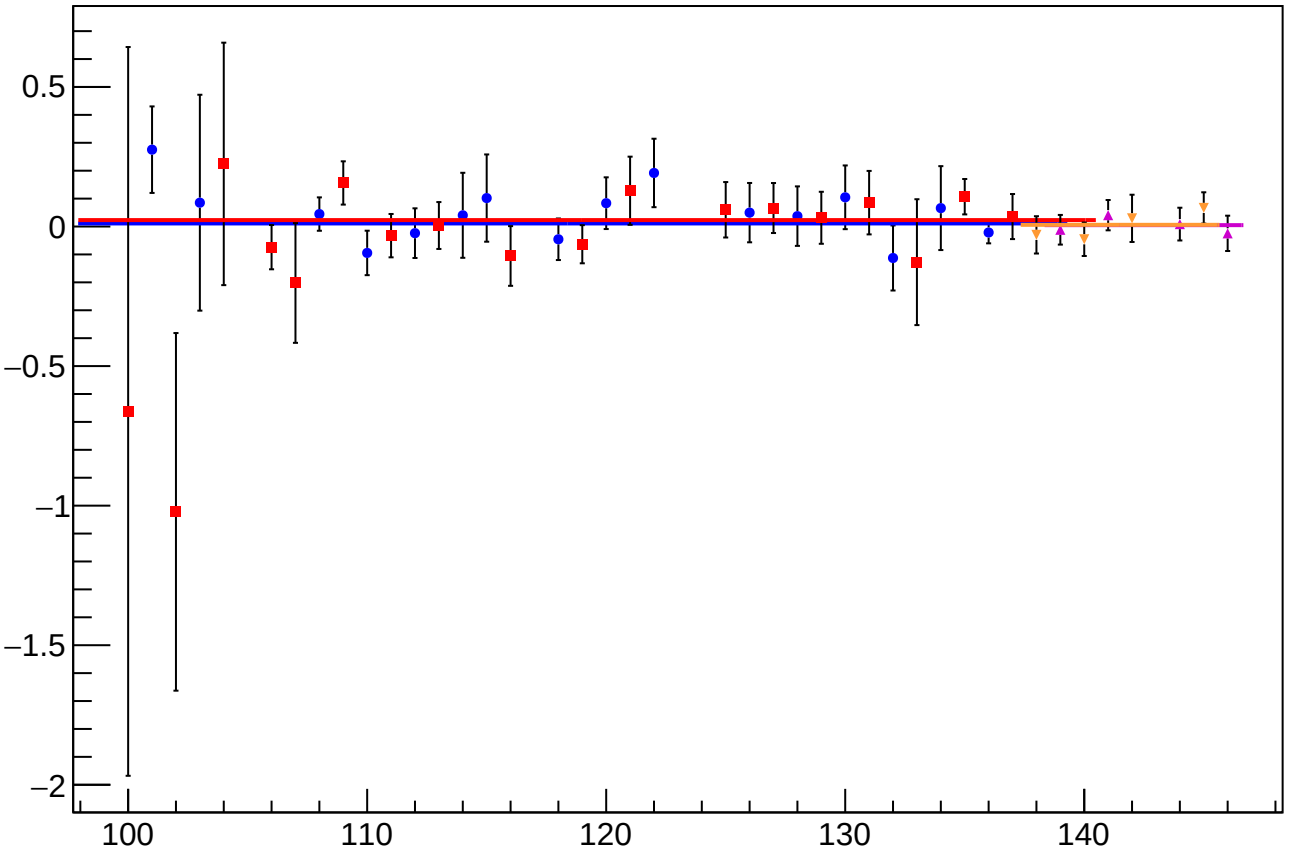
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.933+/-0.020 χ^2/NDF:27646.4/3

+ sign 50.589+/-0.013 χ^2/NDF: 2293215.0/19

All: 50.889+/-0.009 χ^2/NDF: 4554608.7/41

- sign 51.183+/-0.013 χ^2/NDF: 2260307.9/21



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

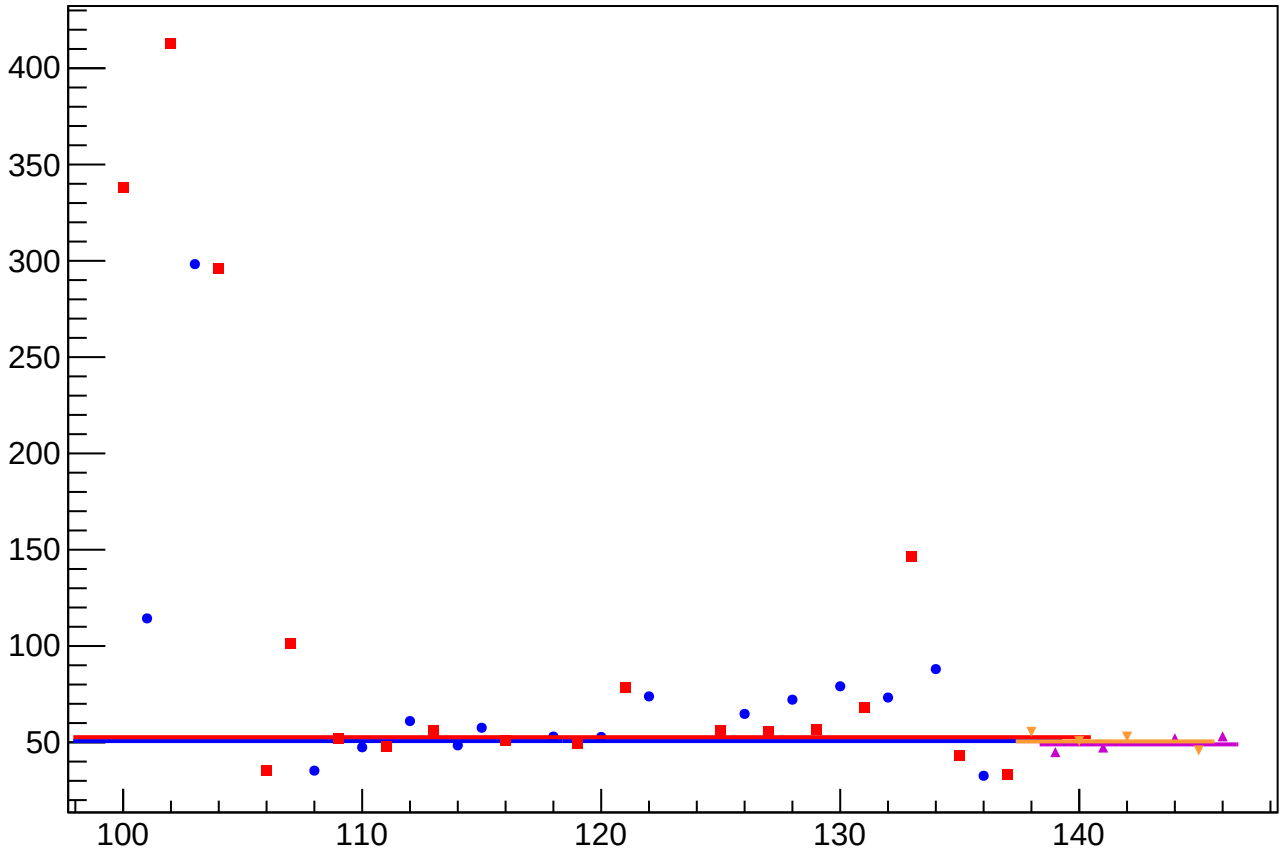
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.005+/-0.028 χ^2/NDF:0.7/3

+ sign 0.009+/-0.018 χ^2/NDF: 14.0/19

All: 0.013+/-0.013 χ^2/NDF: 31.0/41

- sign 0.016+/-0.018 χ^2/NDF: 16.9/21



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 50.468+/-0.023 χ^2/NDF:26728.1/3

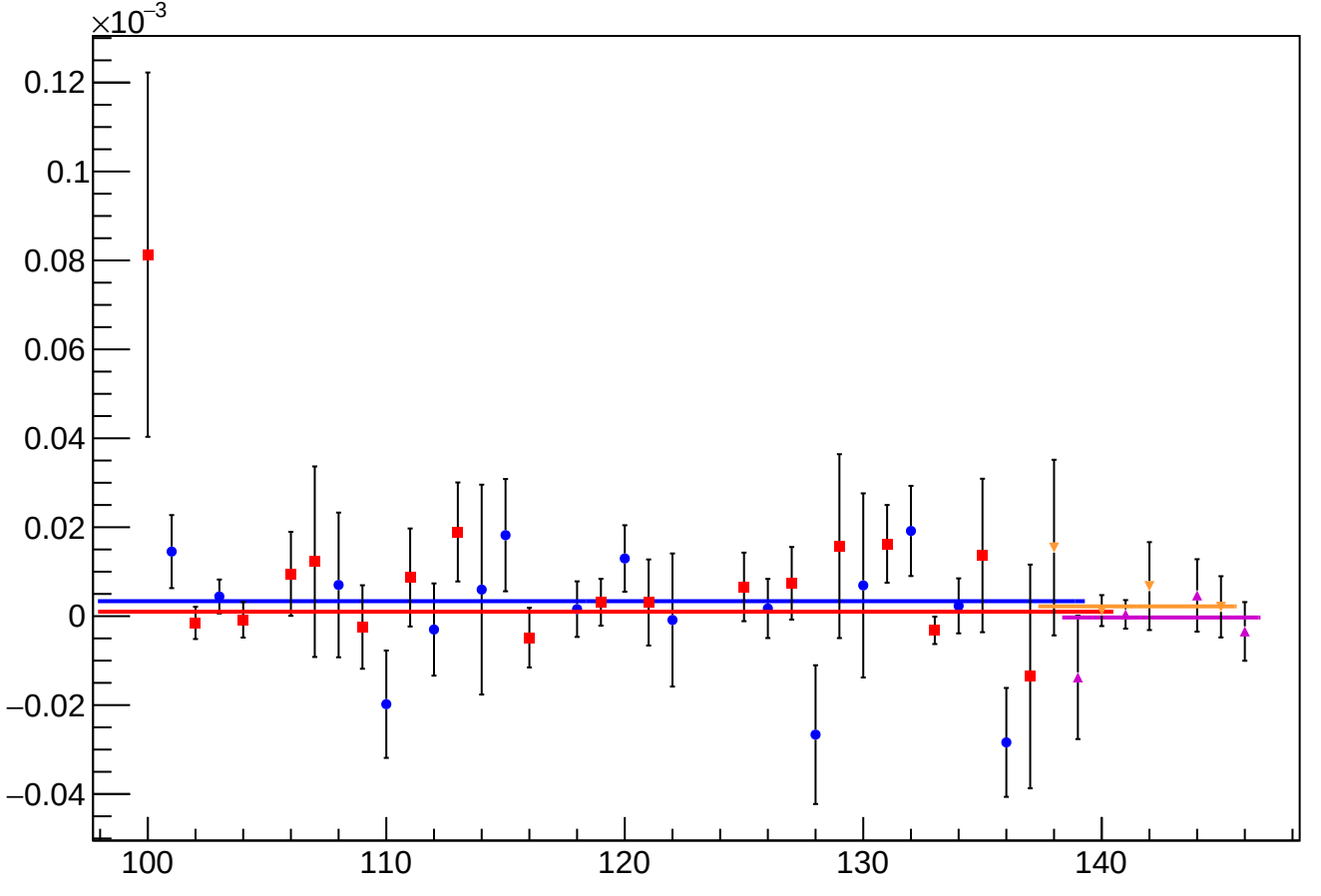
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.933+/-0.020 χ^2/NDF:27646.4/3

\+ sign 50.589+/-0.013 χ^2/NDF: 2293215.0/19

All: 50.889+/-0.009 χ^2/NDF: 4554608.7/41

\- sign 51.183+/-0.013 χ^2/NDF: 2260307.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/3

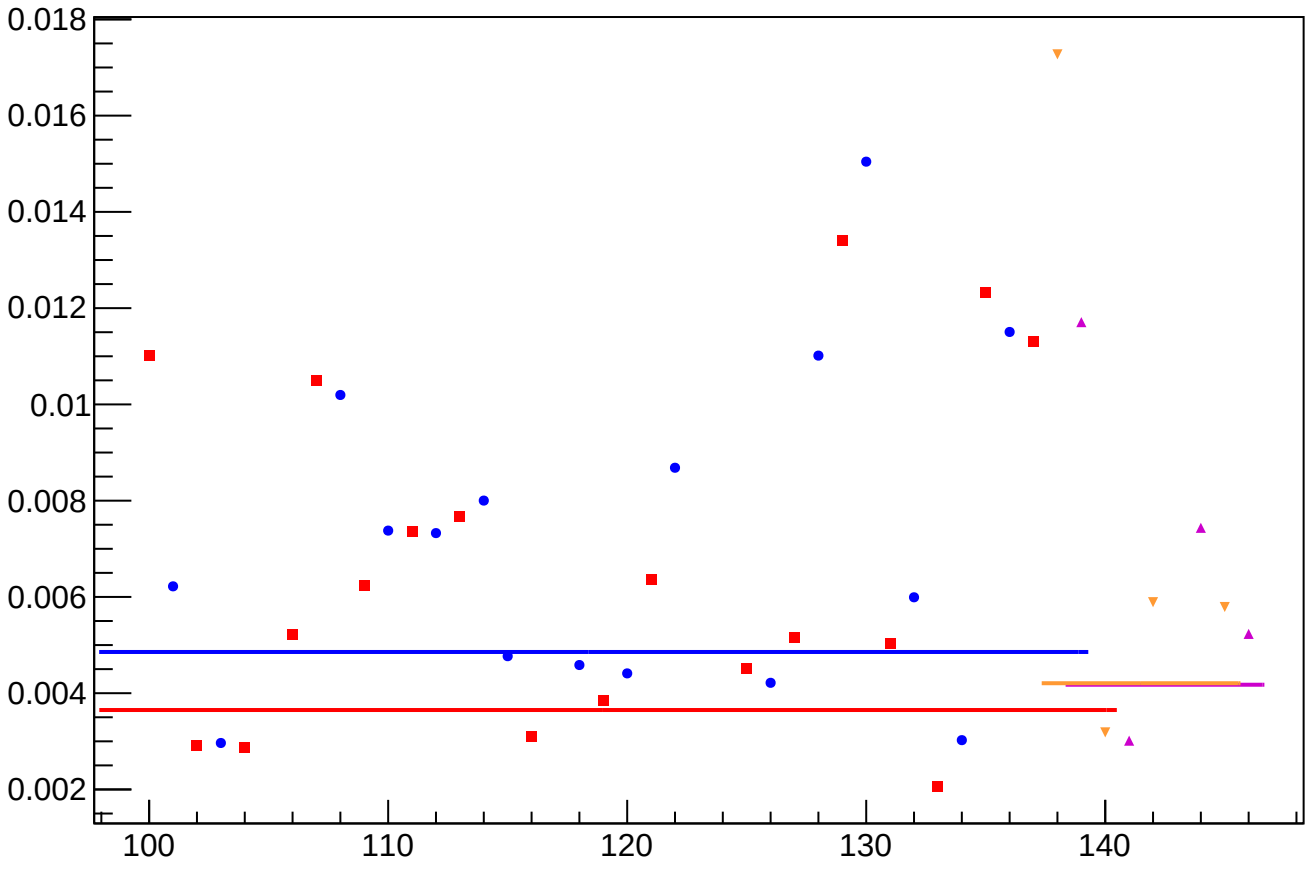
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/19

All: 0.000+/-0.000 χ^2/NDF: 43.2/41

- sign 0.000+/-0.000 χ^2/NDF: 19.0/21



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1211114.9/3

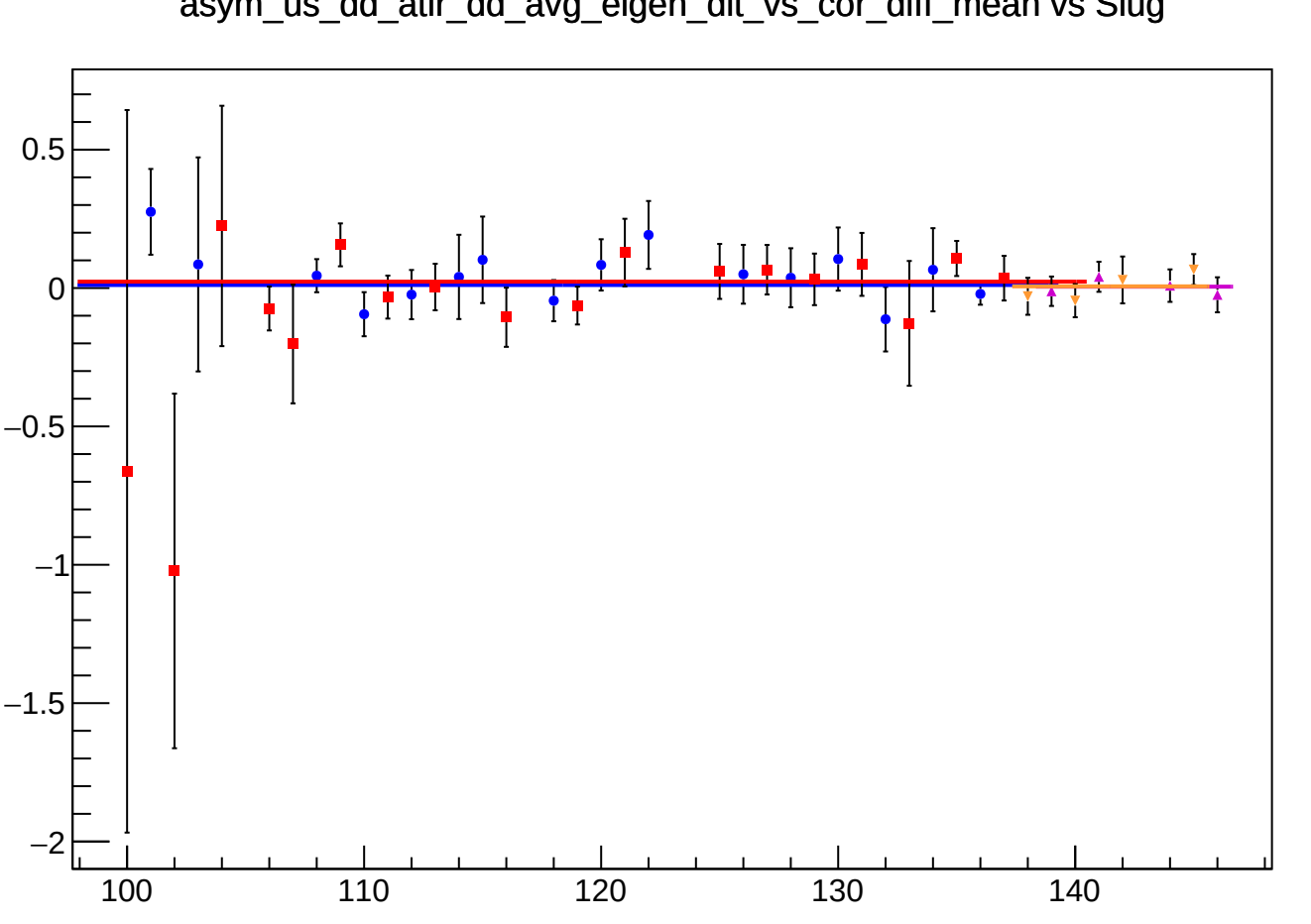
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1222653.3/3

+ sign 0.005+/-0.000 χ^2/NDF: 4021476.8/19

All: 0.004+/-0.000 χ^2/NDF: 8720638.9/41

- sign 0.004+/-0.000 χ^2/NDF: 4389034.3/21



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

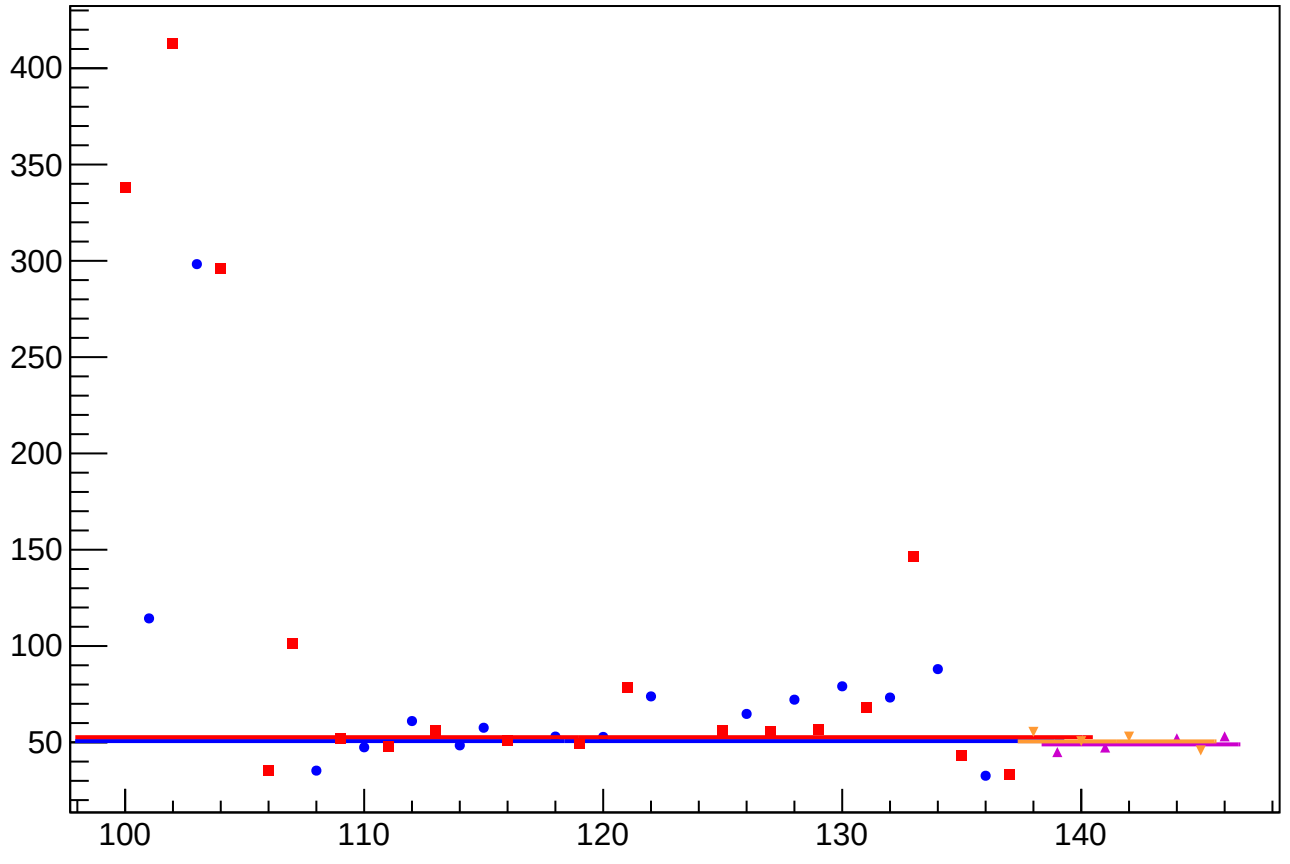
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.005+/-0.028 χ^2/NDF:0.7/3

+ sign 0.009+/-0.018 χ^2/NDF: 14.0/19

All: 0.013+/-0.013 χ^2/NDF: 31.0/41

- sign 0.016+/-0.018 χ^2/NDF: 16.9/21



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 50.470+/-0.023 χ^2/NDF:26724.2/3

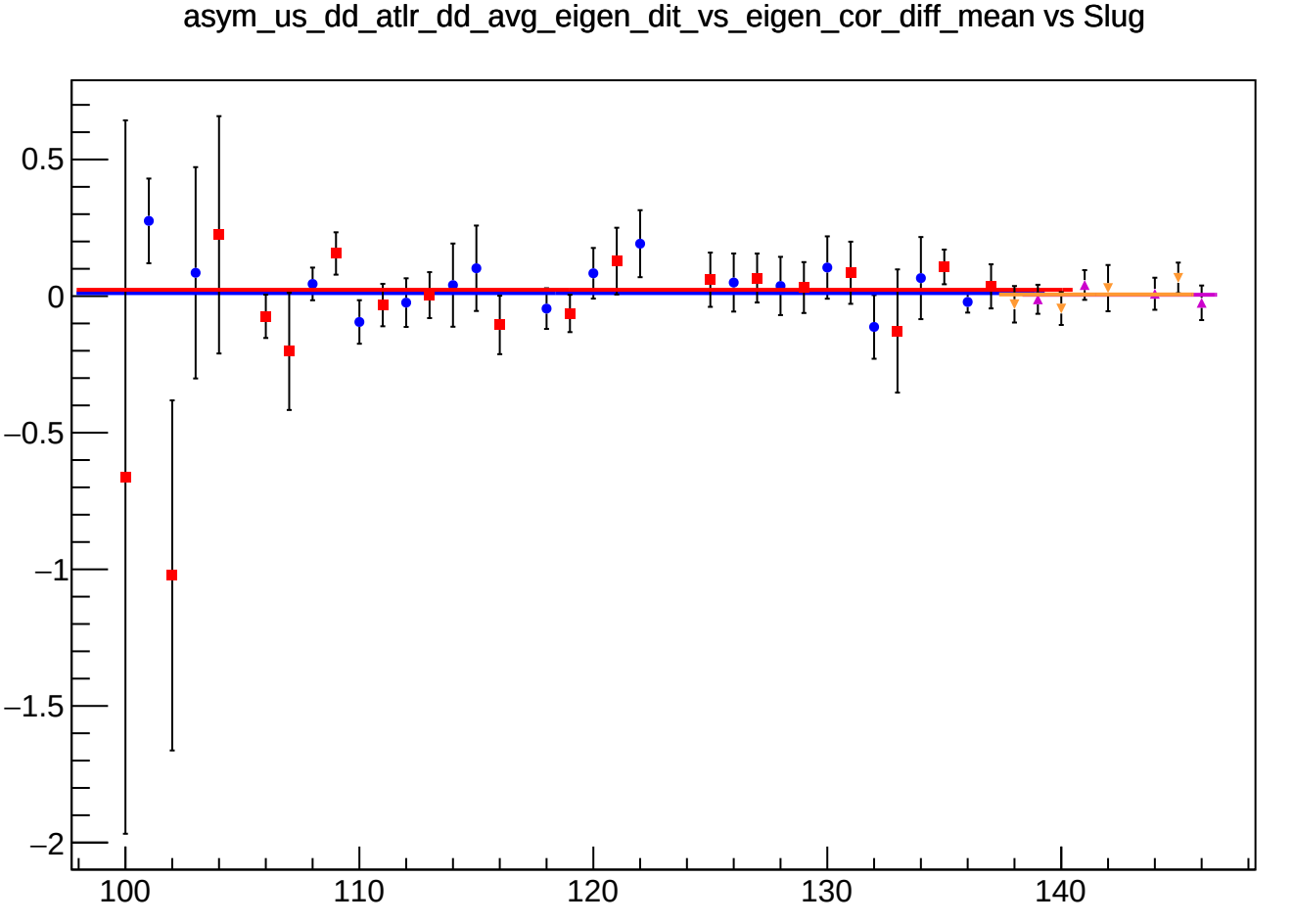
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.934+/-0.020 χ^2/NDF:27623.4/3

\+ sign 50.590+/-0.013 χ^2/NDF: 2293113.1/19

All: 50.890+/-0.009 χ^2/NDF: 4554366.2/41

\- sign 51.184+/-0.013 χ^2/NDF: 2260167.6/21



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

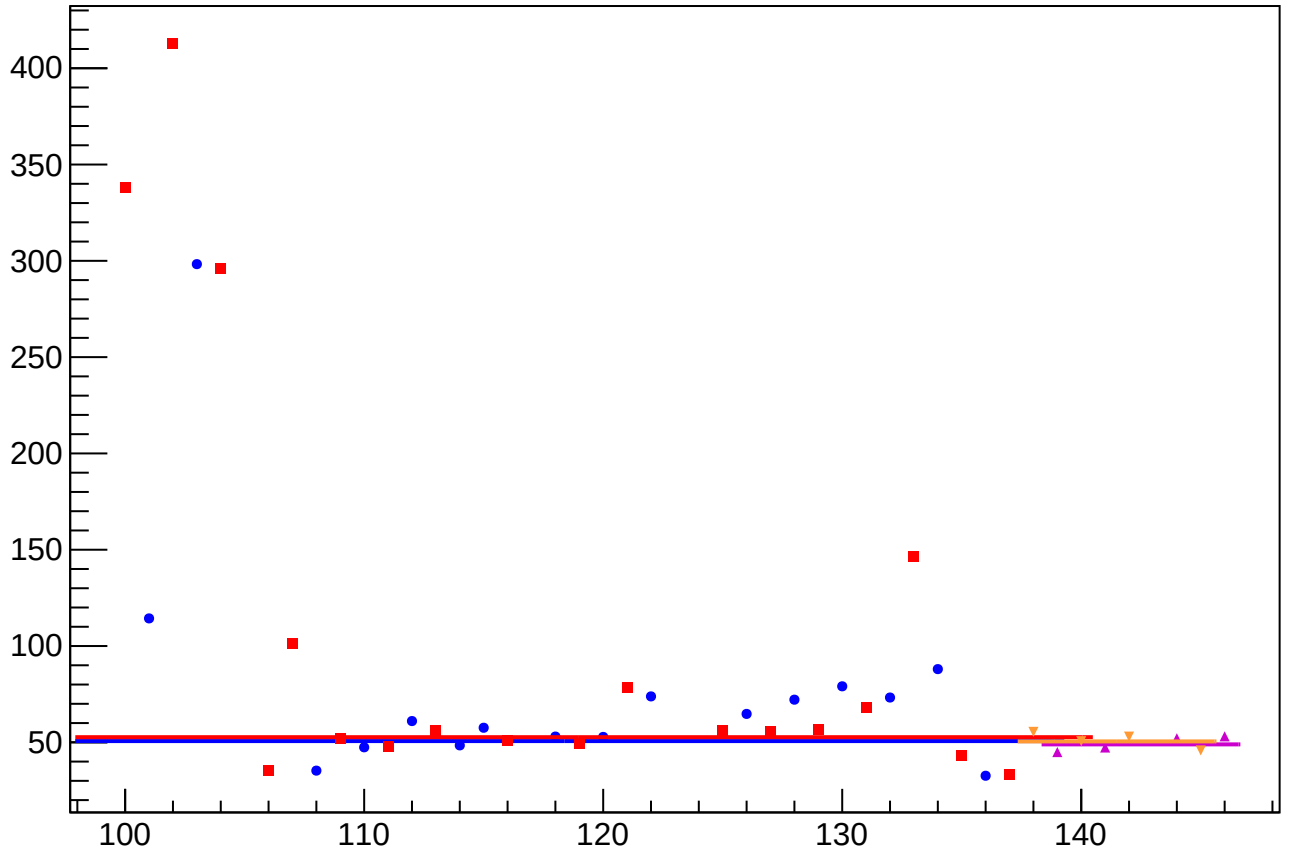
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.005+/-0.028 χ^2/NDF:0.7/3

+ sign 0.009+/-0.018 χ^2/NDF: 14.0/19

All: 0.013+/-0.013 χ^2/NDF: 31.0/41

- sign 0.016+/-0.018 χ^2/NDF: 16.9/21



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 50.470+/-0.023 χ^2/NDF:26724.2/3

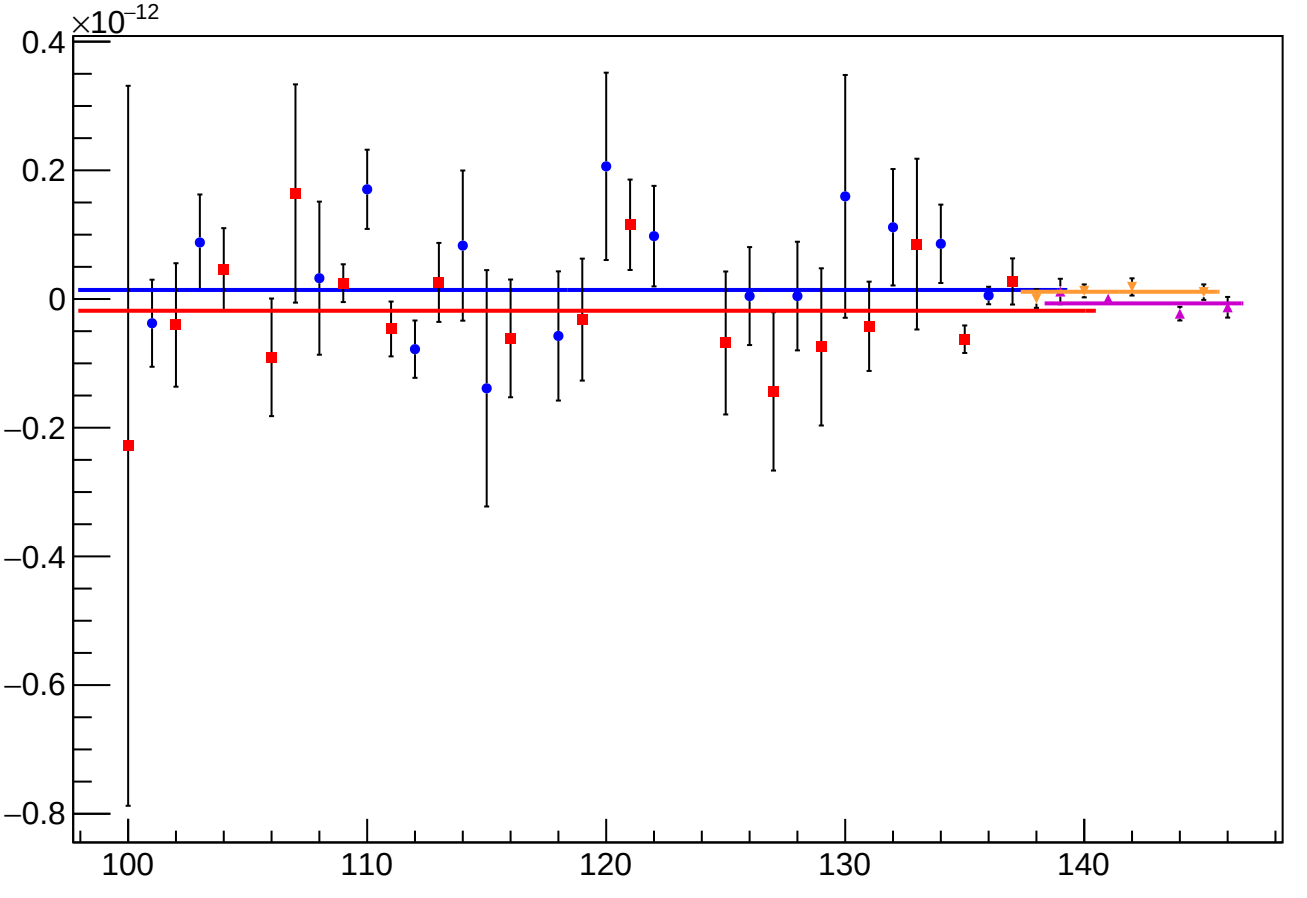
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.934+/-0.020 χ^2/NDF:27623.4/3

+ sign 50.590+/-0.013 χ^2/NDF: 2293113.1/19

All: 50.890+/-0.009 χ^2/NDF: 4554366.2/41

- sign 51.184+/-0.013 χ^2/NDF: 2260167.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

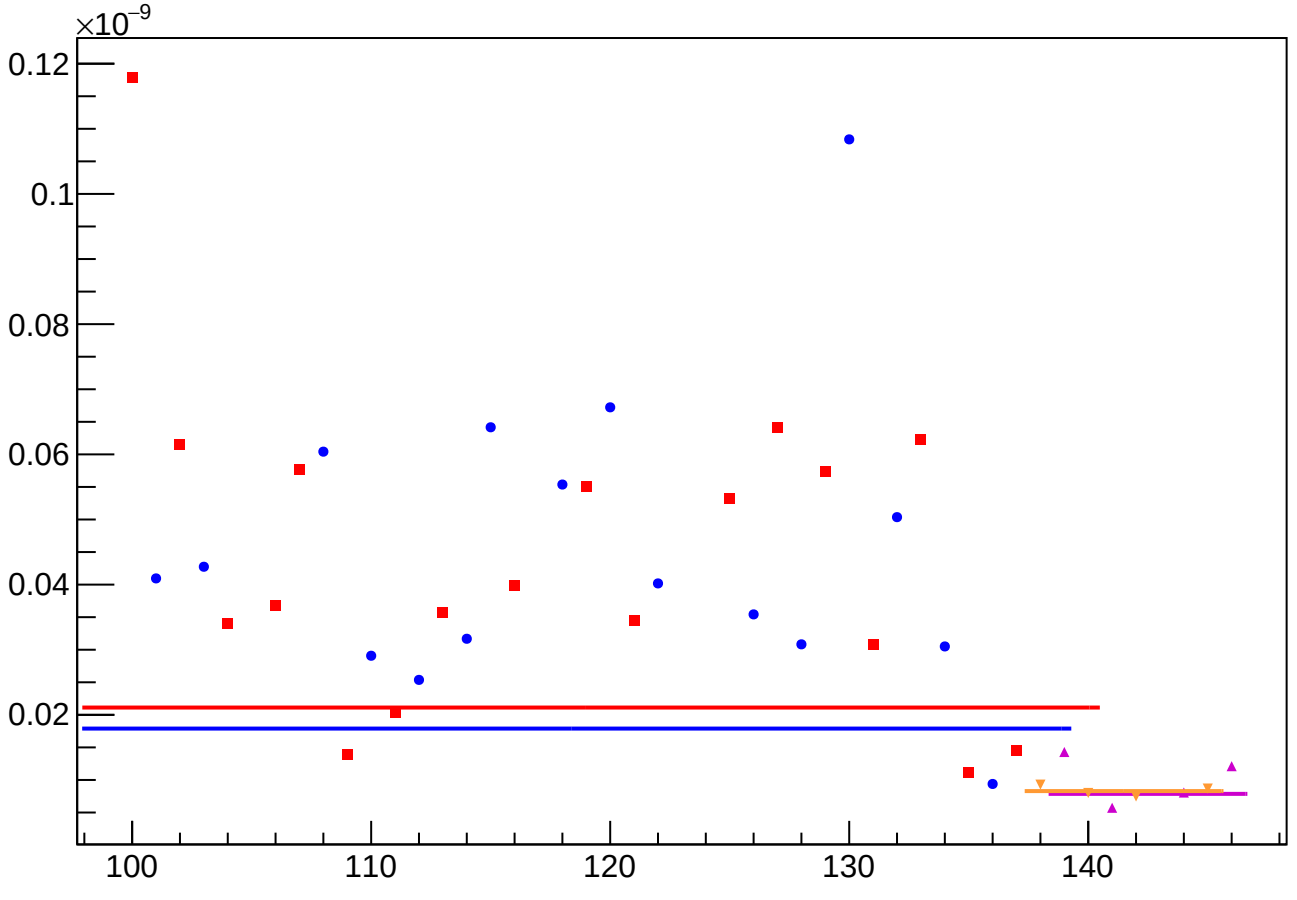
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:4.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/19

All: 0.000+/-0.000 χ^2/NDF: 51.8/41

- sign -0.000+/-0.000 χ^2/NDF: 22.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20874.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

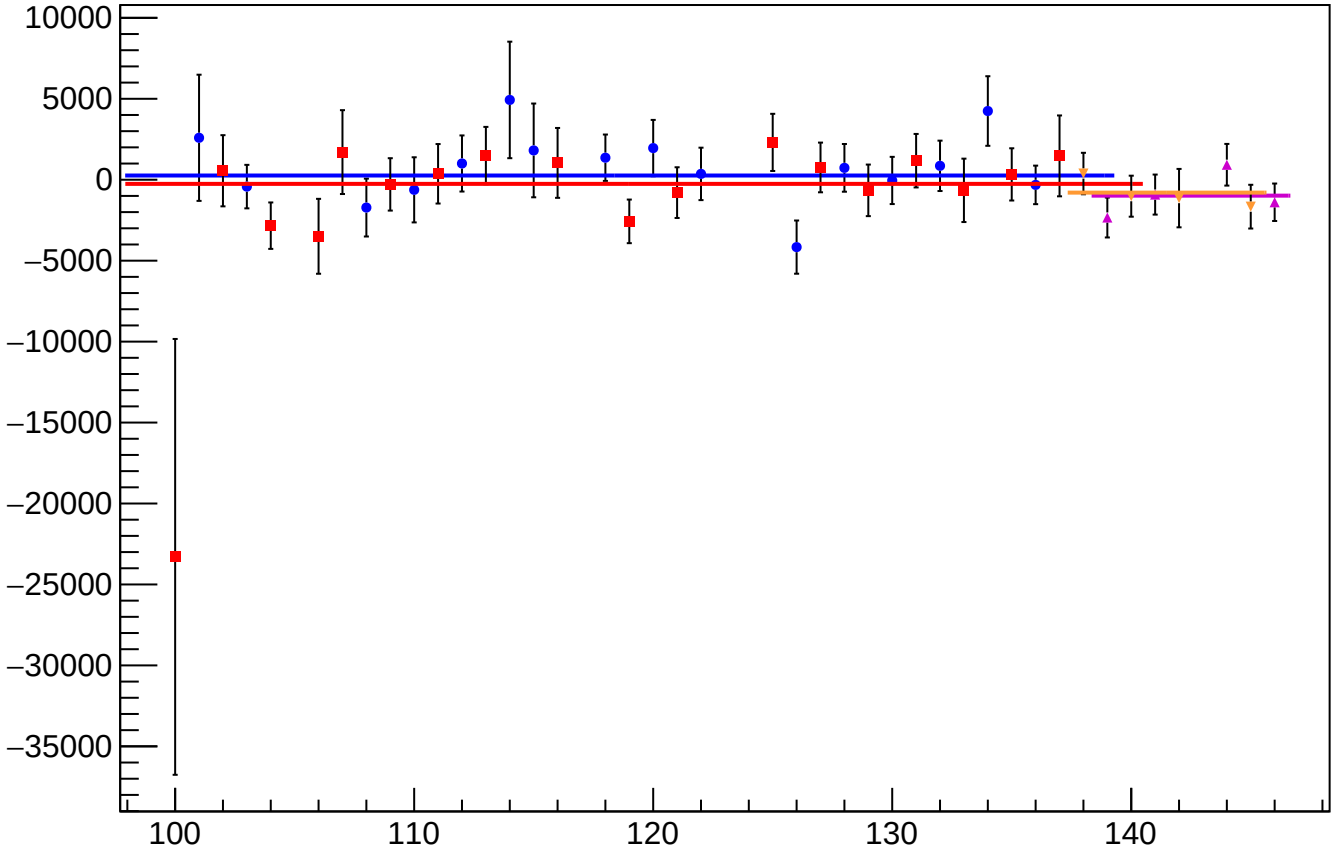
Left In: 0.000+/-0.000 χ^2/NDF:500623.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 4536664.8/19

All: 0.000+/-0.000 χ^2/NDF: 9524501.7/41

- sign 0.000+/-0.000 χ^2/NDF: 4983599.5/21

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -795.714+/-692.123 χ^2/NDF:1.3/3

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

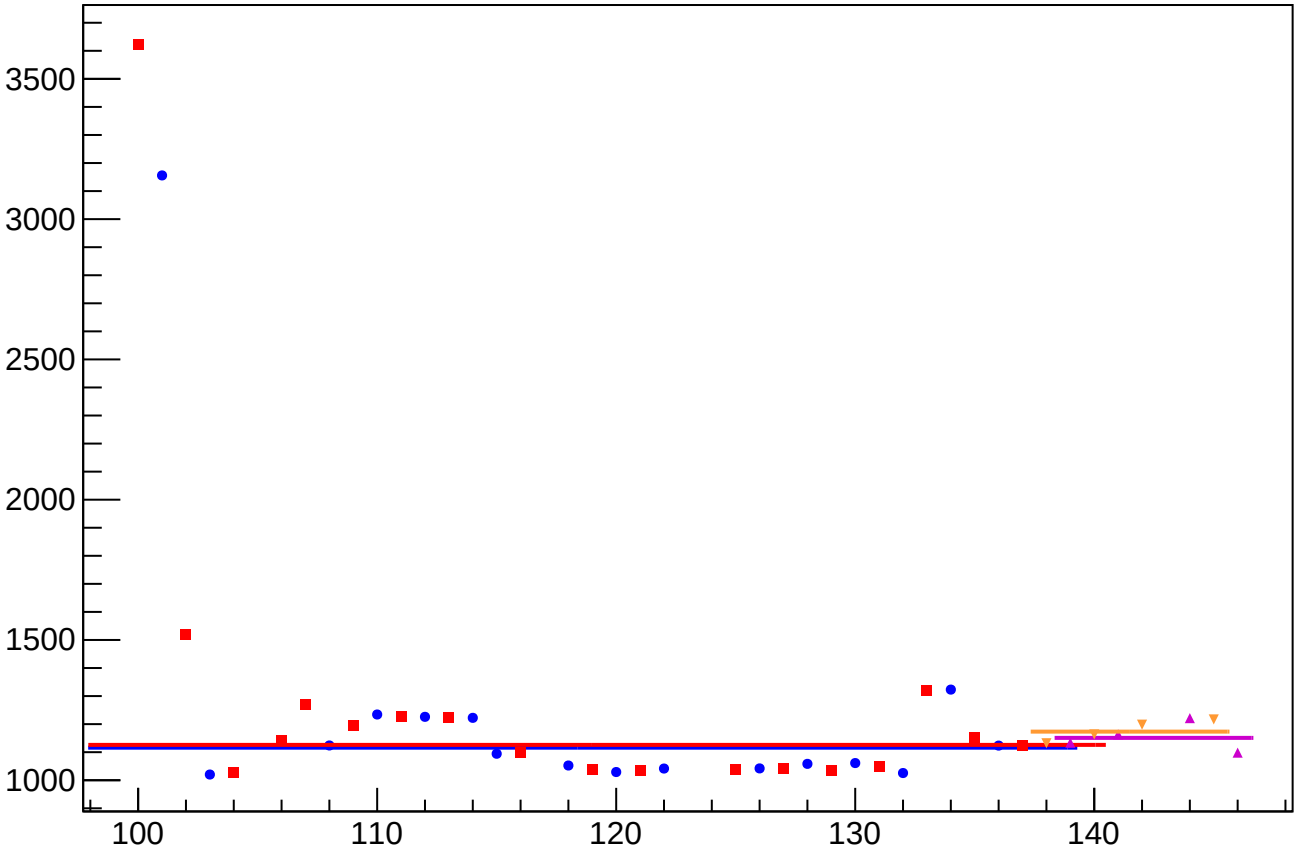
Left In: -982.750+/-612.799 χ^2/NDF:3.5/3

+ sign -28.153+/-361.958 χ^2/NDF: 20.0/19

All: -268.385+/-251.484 χ^2/NDF: 42.7/41

- sign -492.577+/-349.665 χ^2/NDF: 21.8/21

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1173.285+/-0.489 χ^2/NDF:4666.1/3

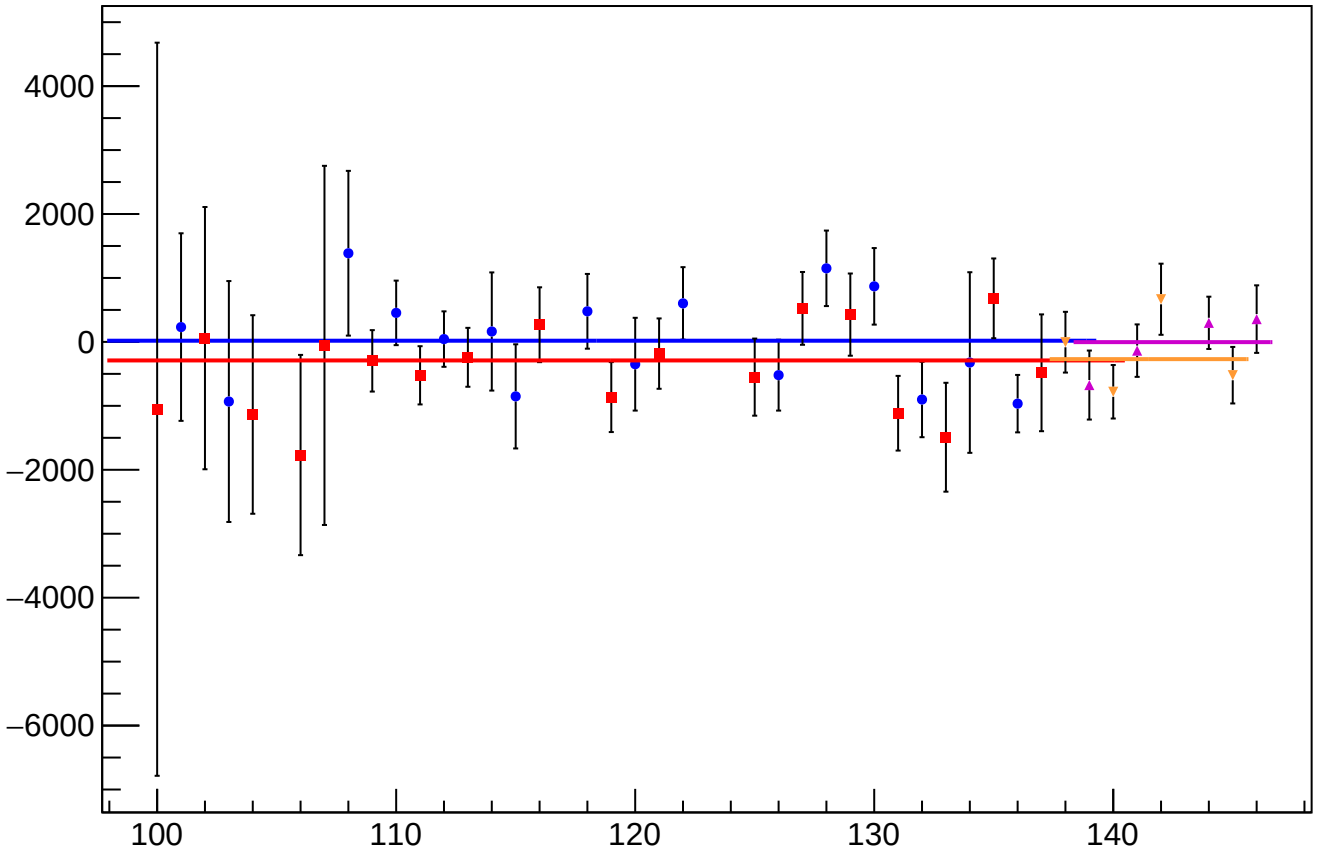
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

+ sign 1131.732+/-0.256 χ^2/NDF: 637979.7/19

All: 1132.979+/-0.178 χ^2/NDF: 873085.4/41

- sign 1134.142+/-0.247 χ^2/NDF: 235059.8/21



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -269.530+/-232.520 χ^2/NDF:5.0/3

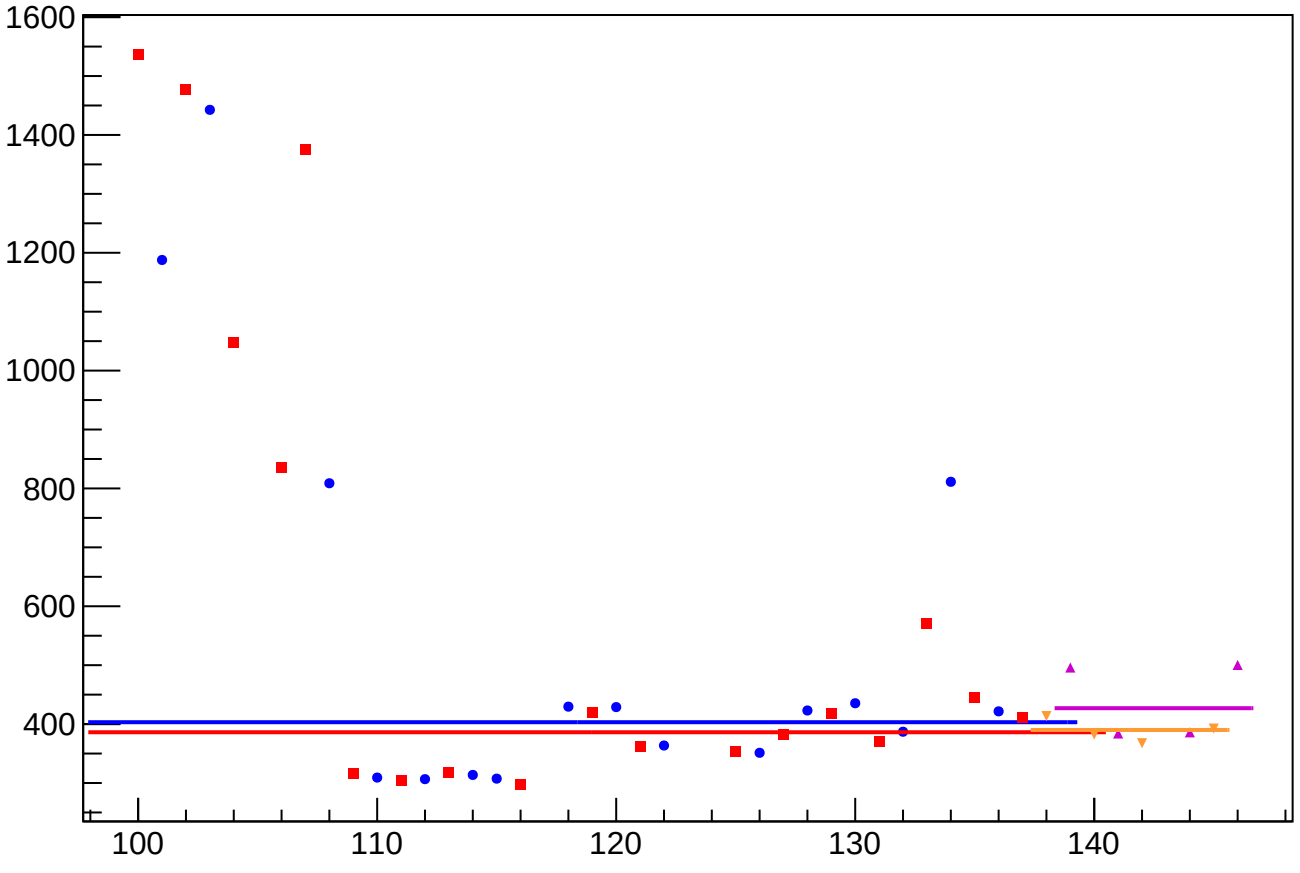
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -3.614+/-229.770 χ^2/NDF:2.7/3

+ sign -75.048+/-132.498 χ^2/NDF: 25.2/19

All: -138.832+/-92.492 χ^2/NDF: 42.9/41

- sign -199.453+/-129.171 χ^2/NDF: 17.2/21



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 390.015+/-0.164 χ^2/NDF:8914.0/3

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

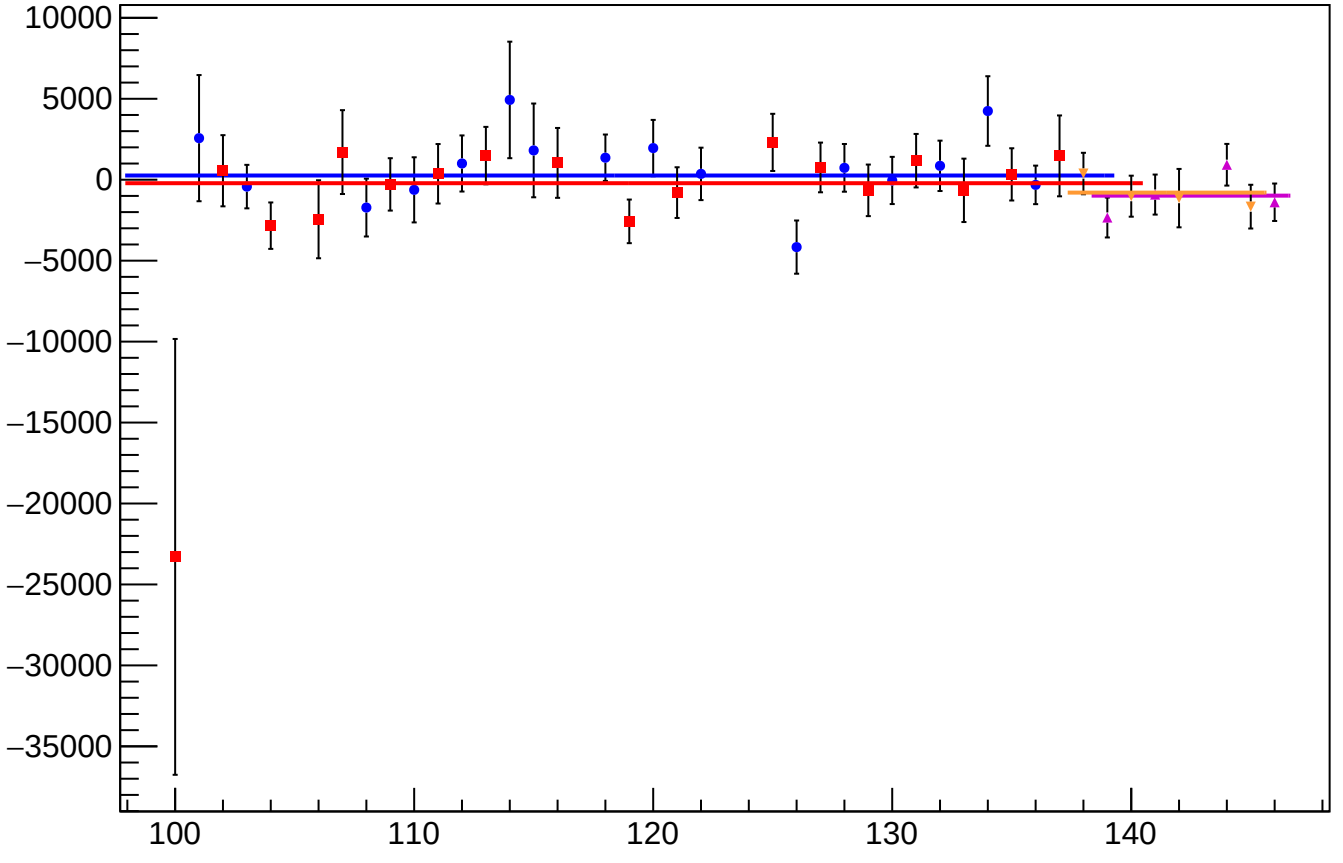
Left In: 426.978+/-0.162 χ^2/NDF:113367.4/3

+ sign 398.915+/-0.094 χ^2/NDF: 1821684.9/19

All: 398.984+/-0.065 χ^2/NDF: 3737365.5/41

- sign 399.051+/-0.091 χ^2/NDF: 1915679.5/21

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -795.702+/-692.123 χ^2/NDF:1.3/3

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

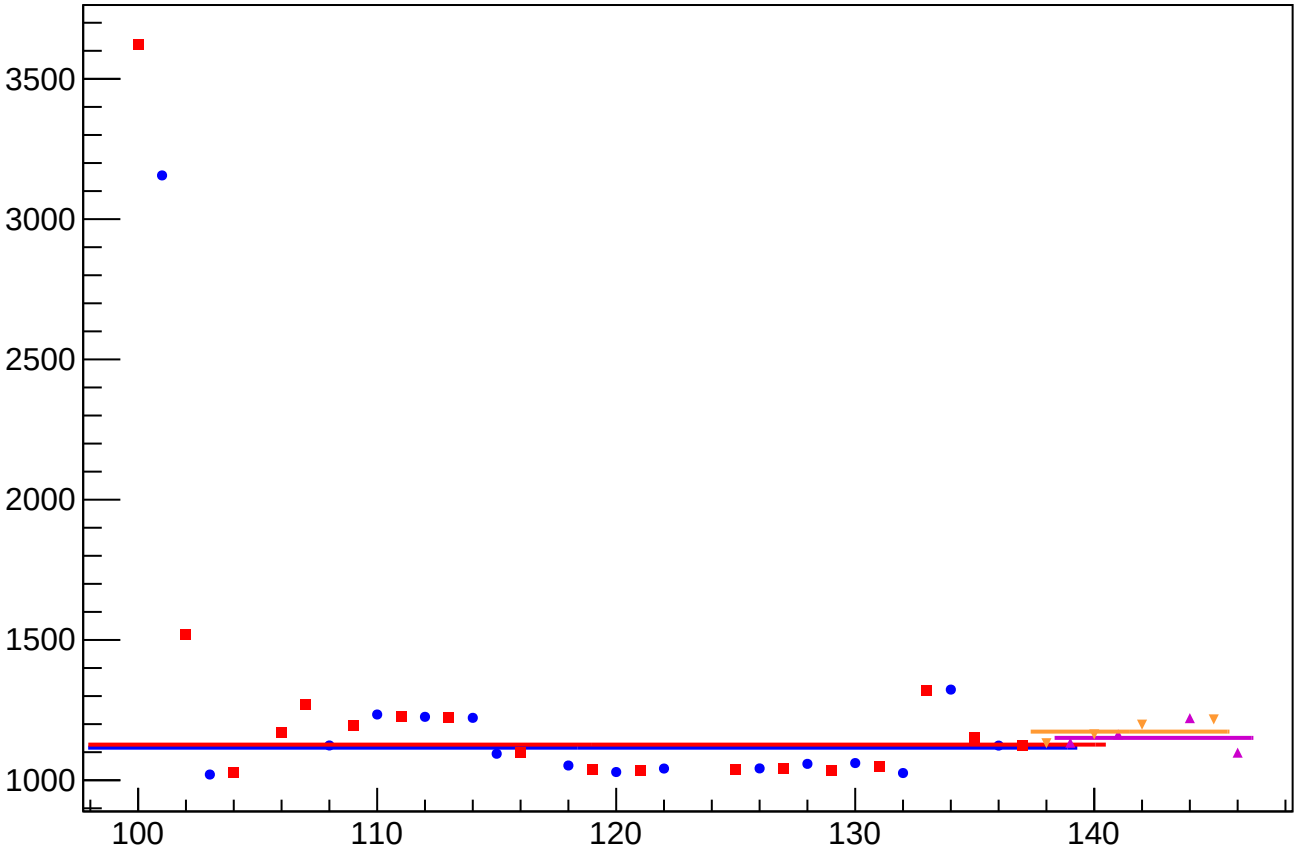
Left In: -982.761+/-612.799 χ^2/NDF:3.5/3

+ sign -28.427+/-361.958 χ^2/NDF: 19.9/19

All: -254.101+/-251.599 χ^2/NDF: 41.5/41

- sign -465.079+/-349.973 χ^2/NDF: 20.8/21

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1173.285+/-0.489 χ^2/NDF:4666.1/3

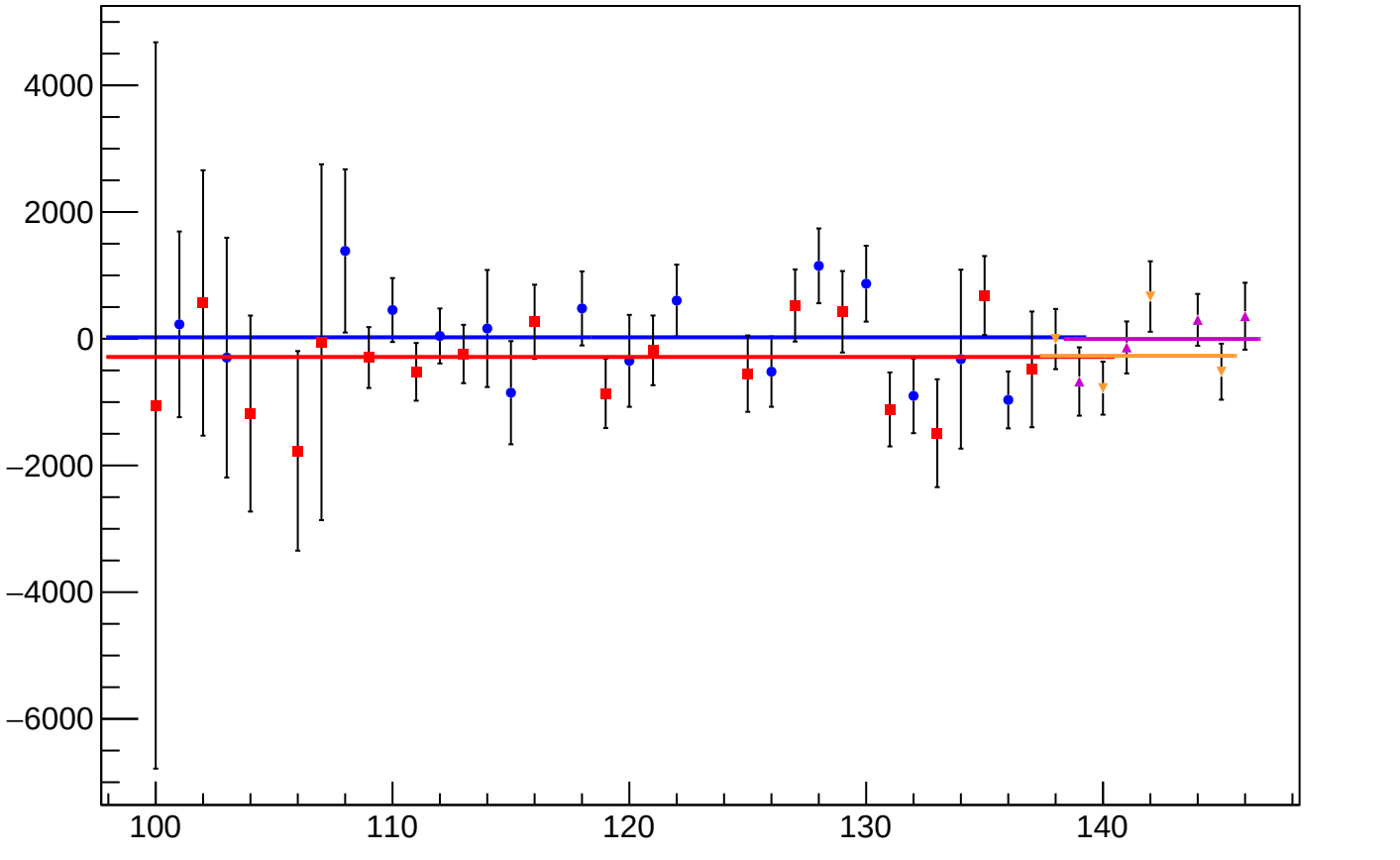
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

+ sign 1131.732+/-0.256 χ^2/NDF: 637980.8/19

All: 1133.314+/-0.178 χ^2/NDF: 873580.8/41

- sign 1134.793+/-0.247 χ^2/NDF: 235526.0/21



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -269.711+/-232.518 χ^2/NDF:5.0/3

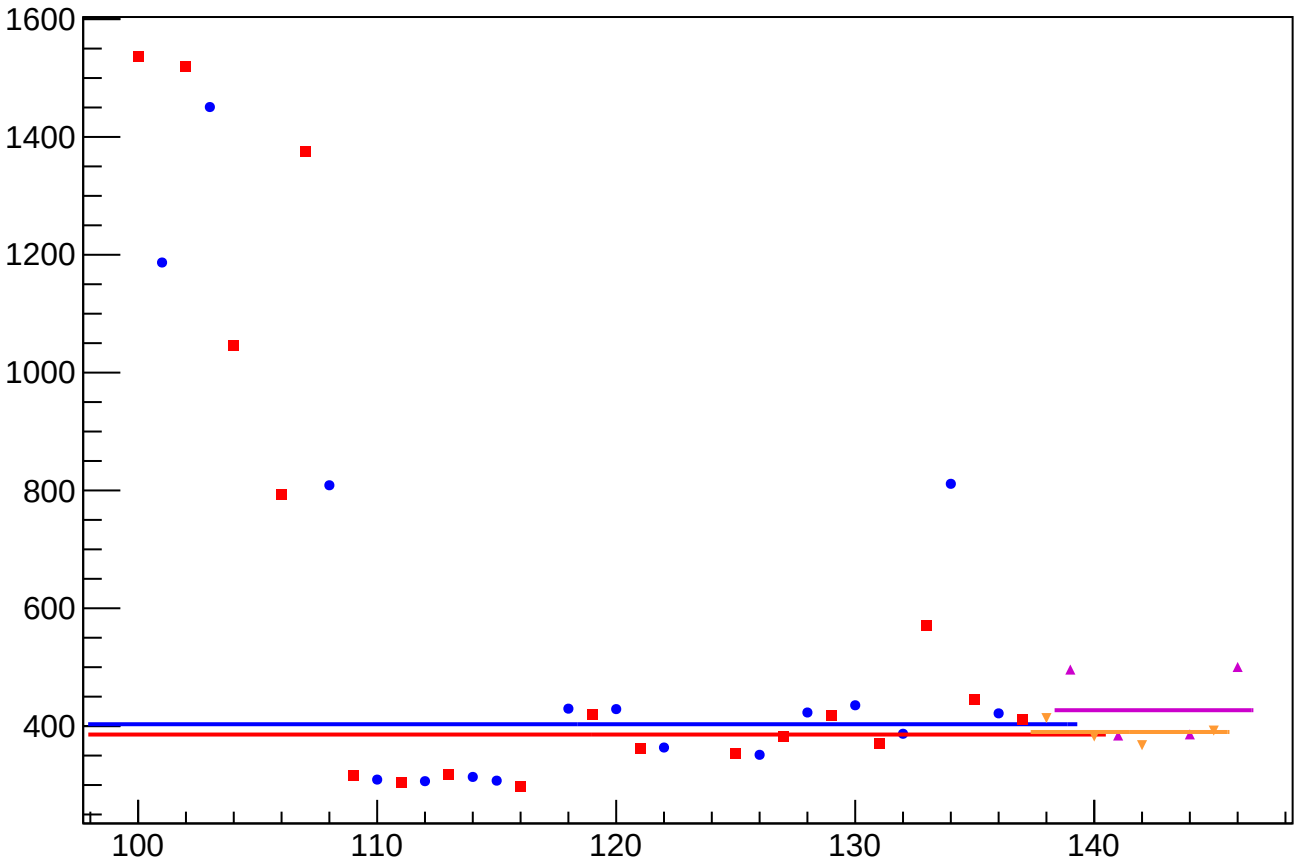
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -3.769+/-229.768 χ^2/NDF:2.7/3

\+ sign -72.101+/-132.498 χ^2/NDF: 25.0/19

All: -136.587+/-92.496 χ^2/NDF: 42.8/41

\- sign -197.888+/-129.184 χ^2/NDF: 17.4/21



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 390.012+/-0.164 χ^2/NDF:8904.3/3

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

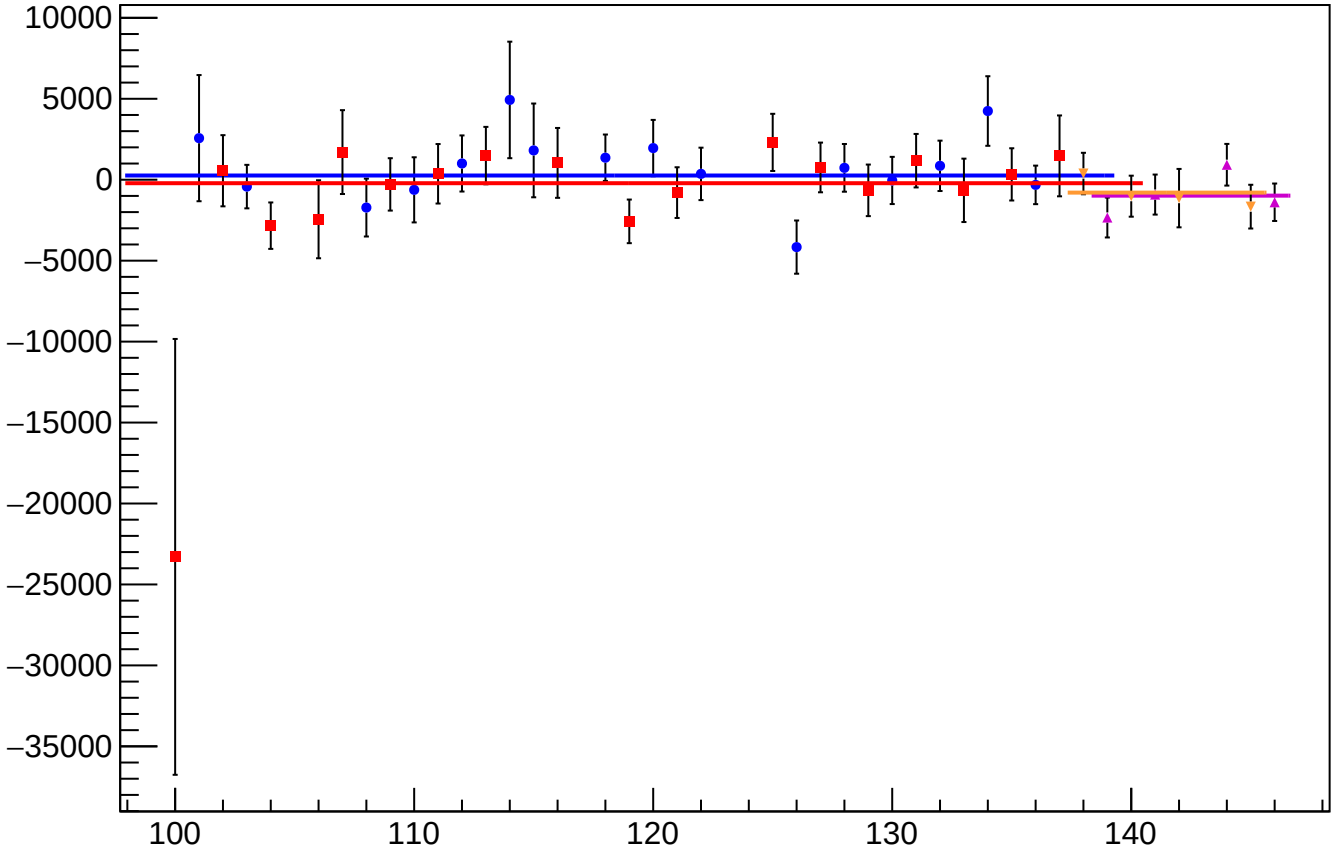
Left In: 426.975+/-0.162 χ^2/NDF:113343.6/3

+ sign 398.906+/-0.094 χ^2/NDF: 1825348.0/19

All: 398.818+/-0.065 χ^2/NDF: 3730022.8/41

- sign 398.735+/-0.091 χ^2/NDF: 1904673.0/21

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: -795.702+/-692.123 χ^2/NDF:1.3/3

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

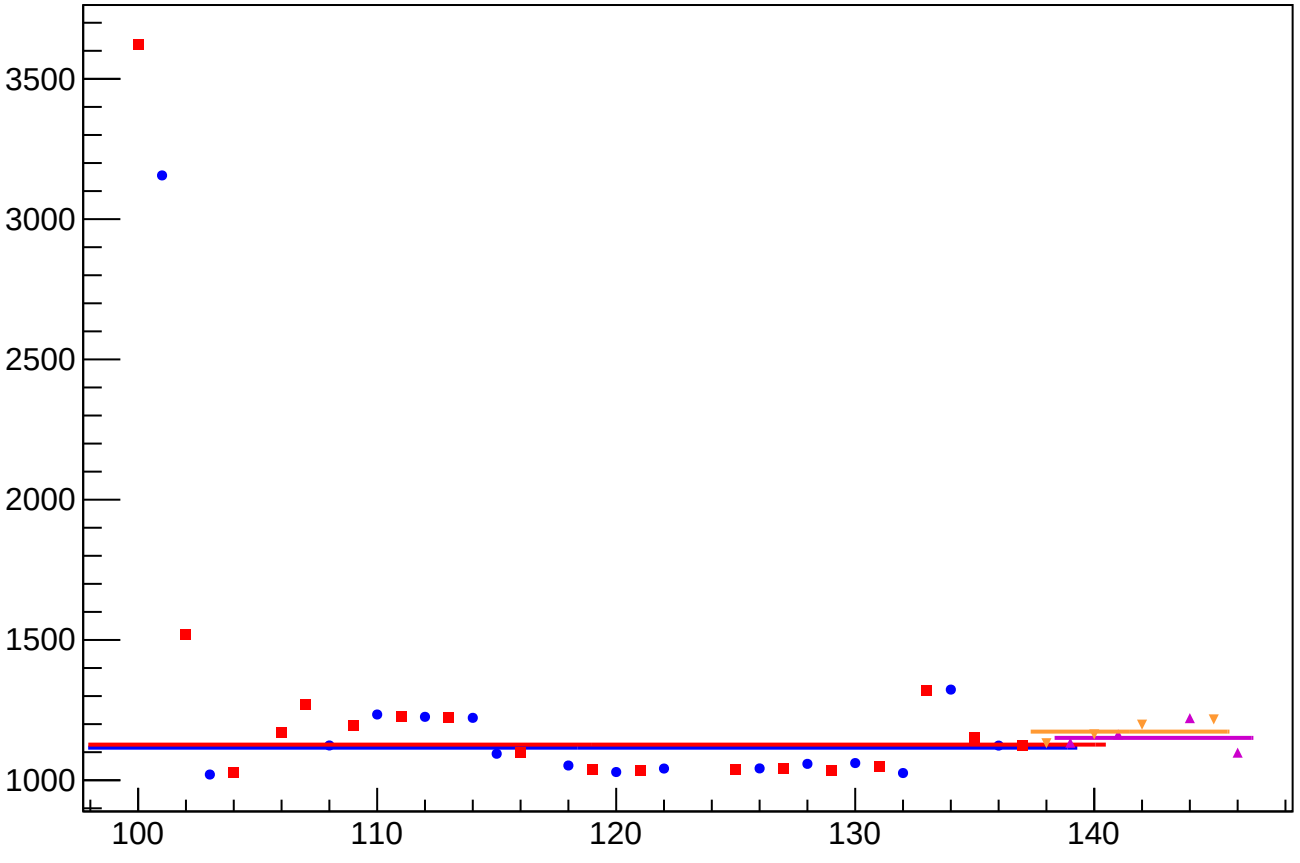
Left In: -982.761+/-612.799 χ^2/NDF:3.5/3

+ sign -28.427+/-361.958 χ^2/NDF: 19.9/19

All: -254.101+/-251.599 χ^2/NDF: 41.5/41

- sign -465.079+/-349.973 χ^2/NDF: 20.8/21

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: 1173.285+/-0.489 χ^2/NDF:4666.1/3

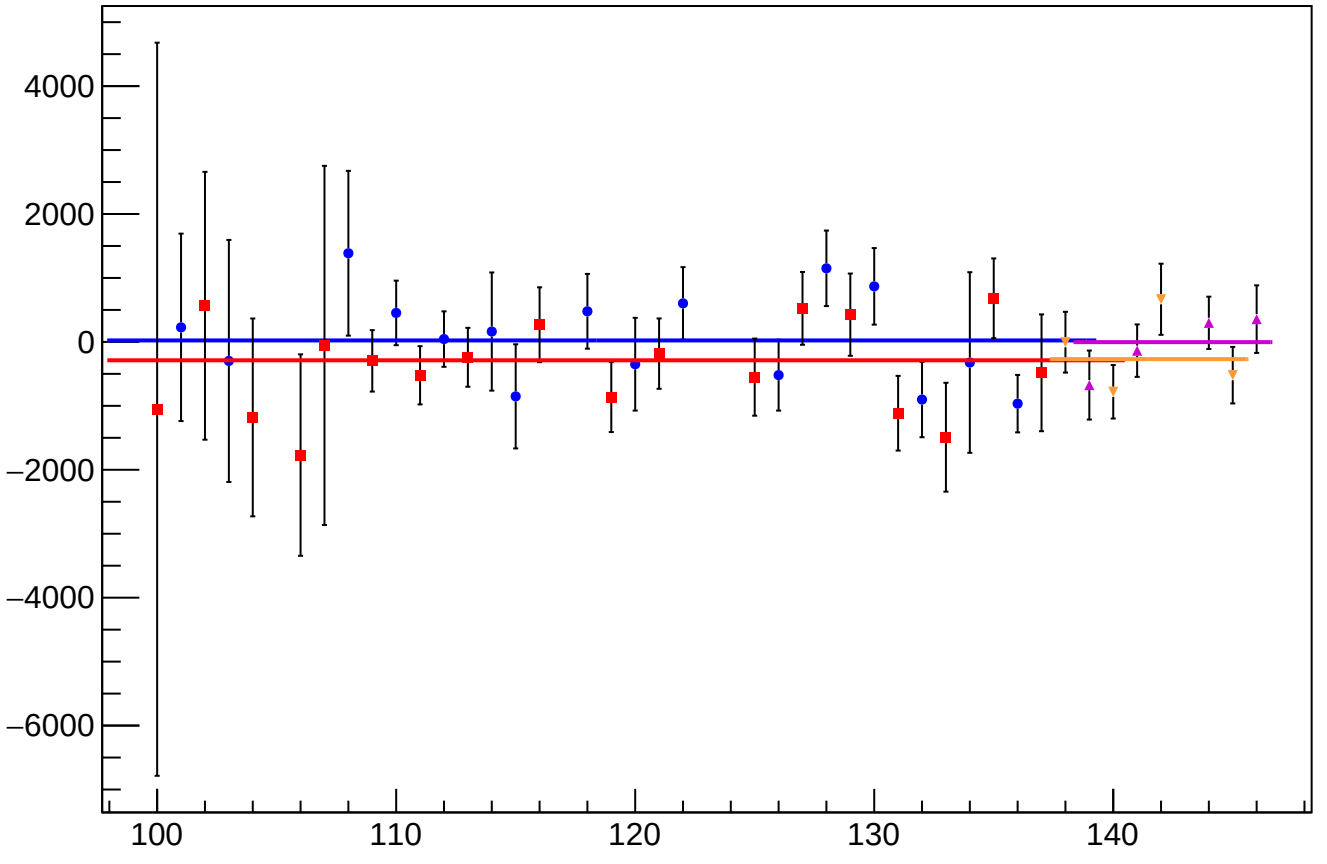
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

+ sign 1131.732+/-0.256 χ^2/NDF: 637980.8/19

All: 1133.314+/-0.178 χ^2/NDF: 873580.8/41

- sign 1134.793+/-0.247 χ^2/NDF: 235526.0/21



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -269.711+/-232.518 χ^2/NDF:5.0/3

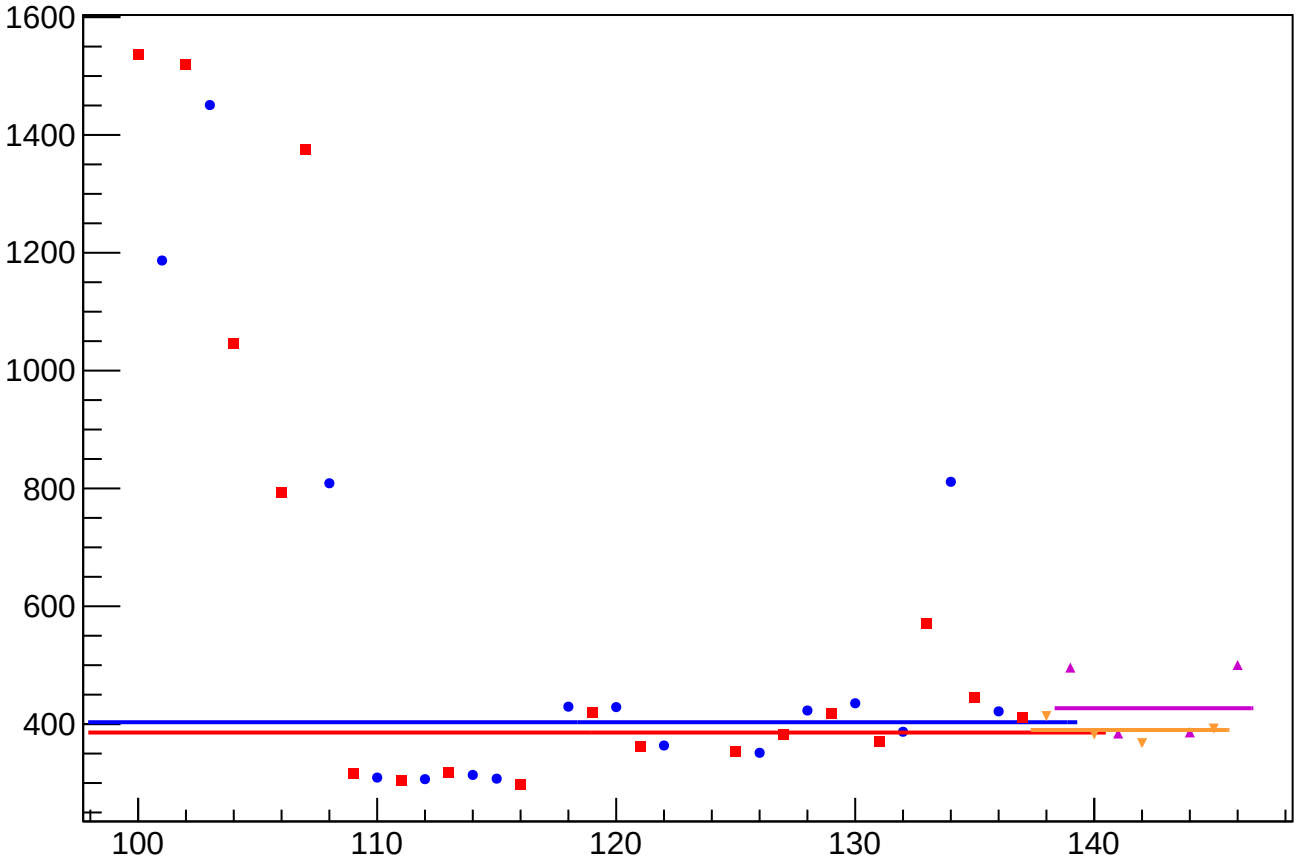
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -3.769+/-229.768 χ^2/NDF:2.7/3

+ sign -72.101+/-132.498 χ^2/NDF: 25.0/19

All: -136.587+/-92.496 χ^2/NDF: 42.8/41

- sign -197.888+/-129.184 χ^2/NDF: 17.4/21



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 390.012+/-0.164 χ^2/NDF:8904.3/3

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

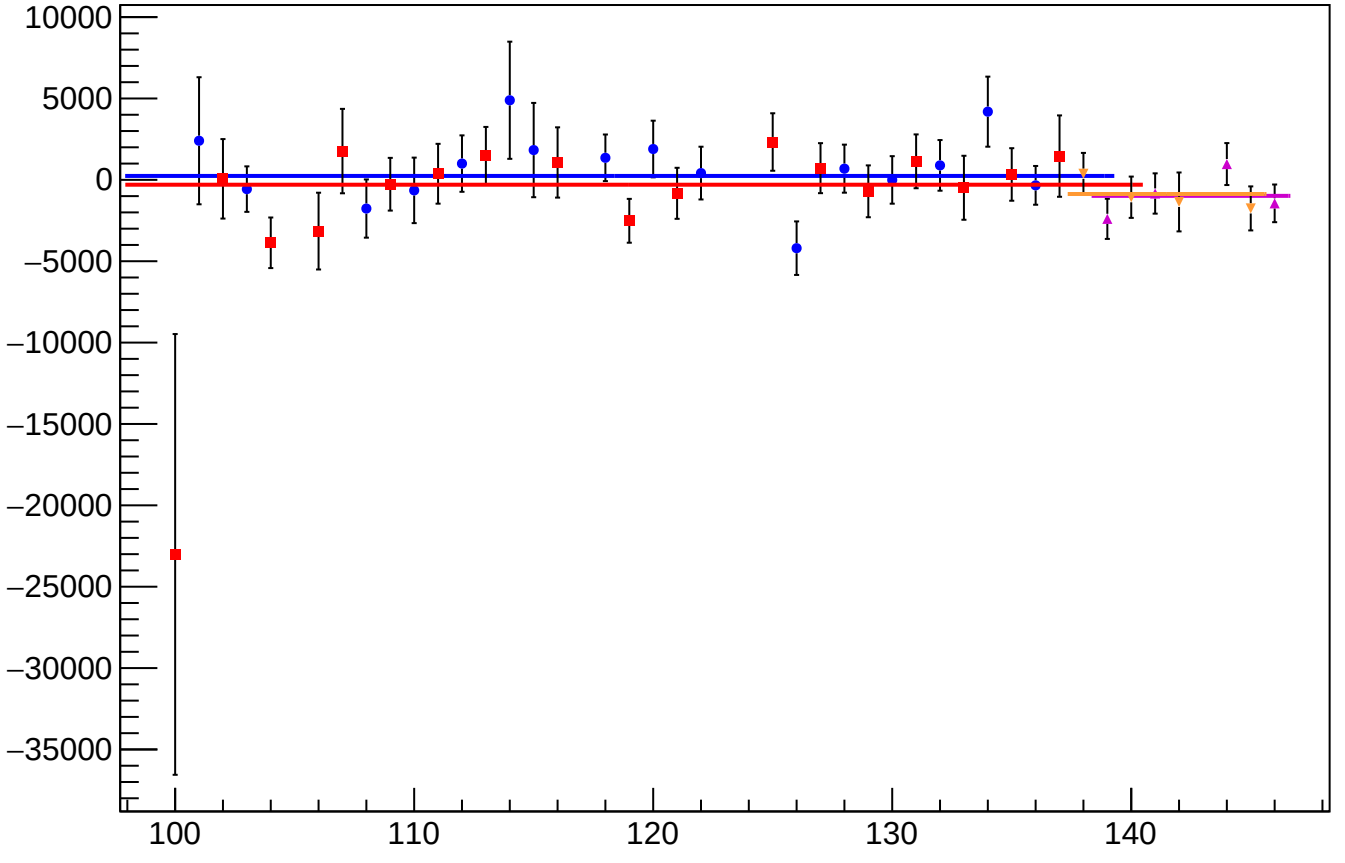
Left In: 426.975+/-0.162 χ^2/NDF:113343.6/3

+ sign 398.906+/-0.094 χ^2/NDF: 1825348.0/19

All: 398.818+/-0.065 χ^2/NDF: 3730022.8/41

- sign 398.735+/-0.091 χ^2/NDF: 1904673.0/21

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -869.538+/-693.144 χ^2/NDF:1.5/3

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

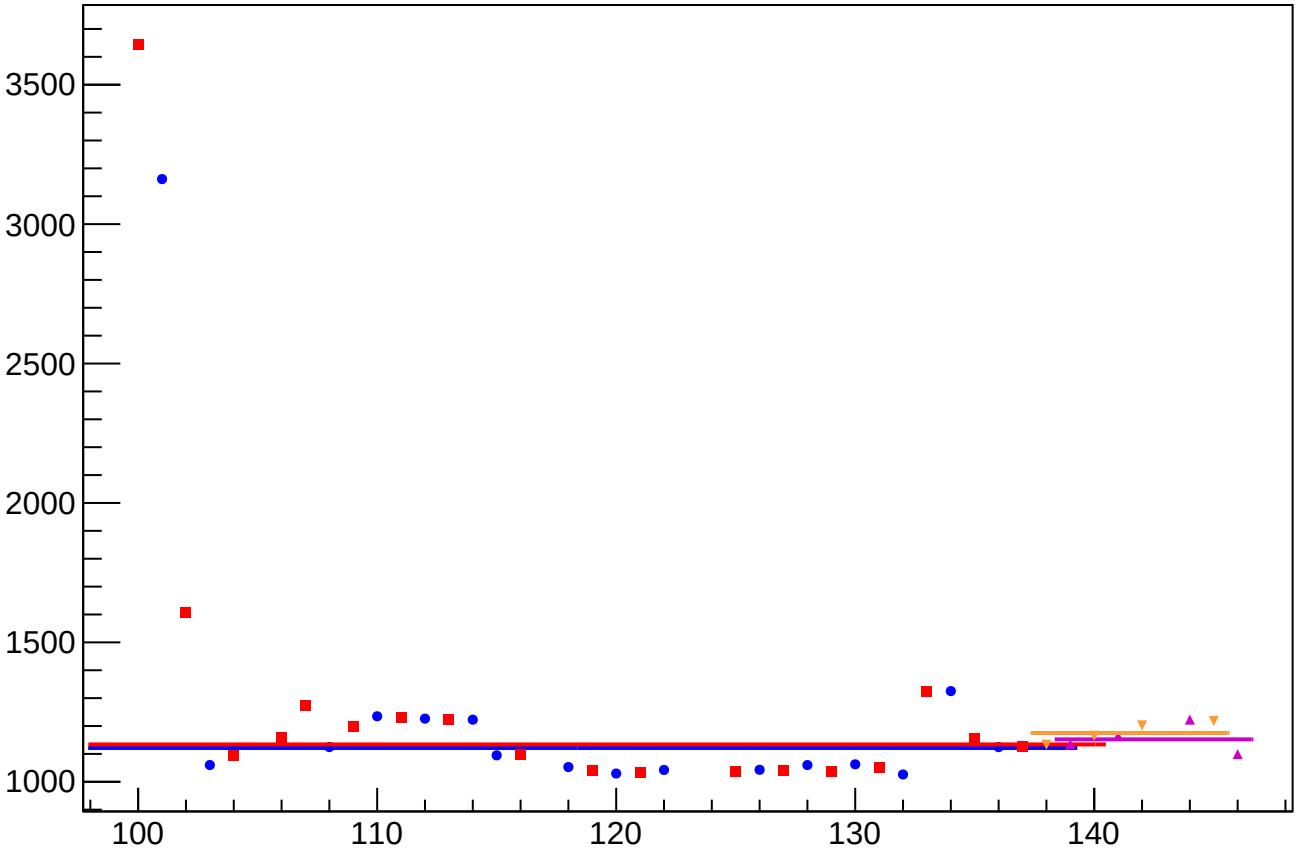
Left In: -983.544+/-613.426 χ^2/NDF:3.8/3

+ sign -64.209+/-363.301 χ^2/NDF: 20.3/19

All: -301.552+/-252.998 χ^2/NDF: 44.4/41

- sign -525.028+/-352.528 χ^2/NDF: 23.3/21

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1174.977+/-0.490 χ^2/NDF:4773.2/3

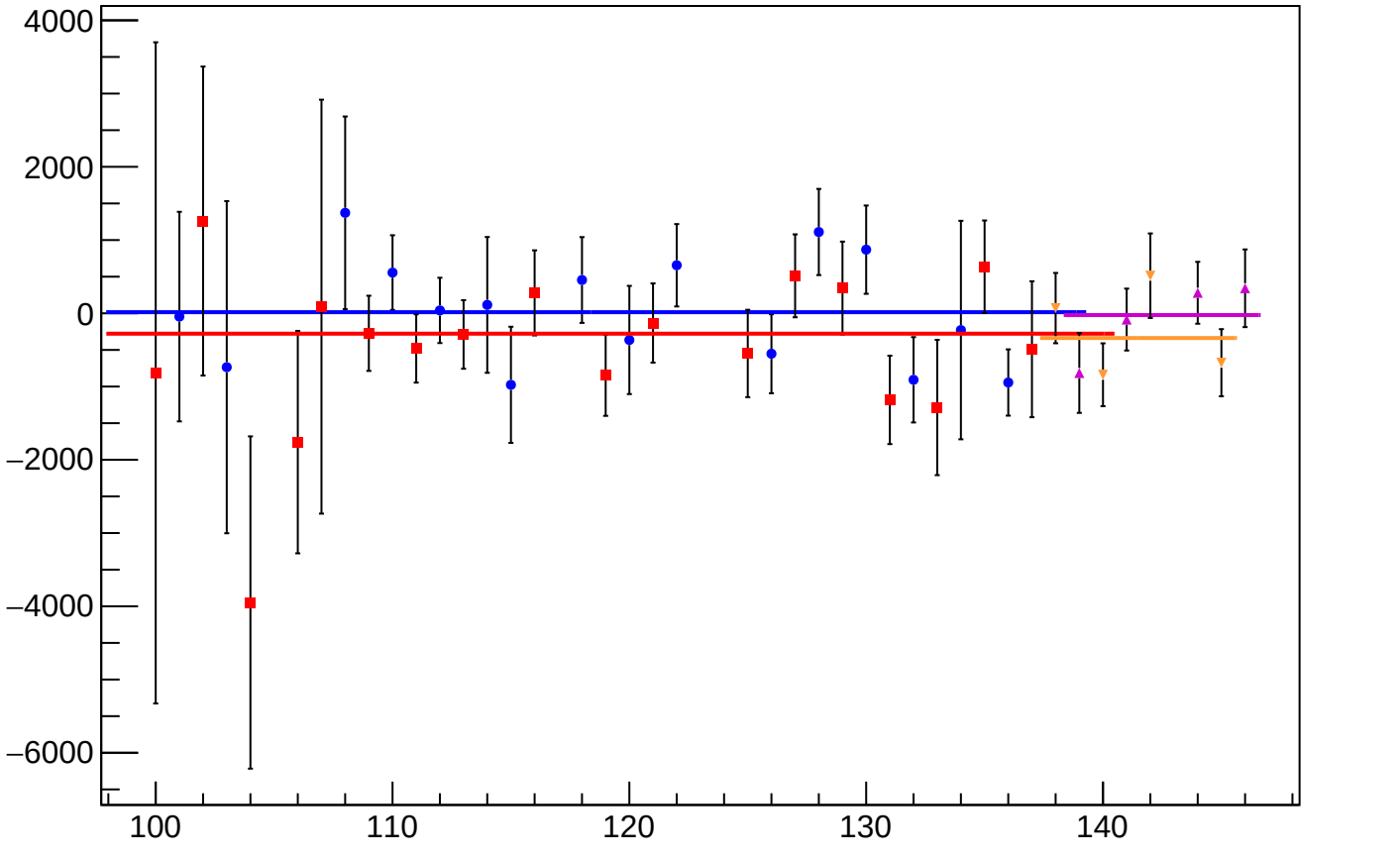
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1152.134+/-0.434 χ^2/NDF:10822.4/3

+ sign 1136.042+/-0.257 χ^2/NDF: 630502.3/19

All: 1138.050+/-0.179 χ^2/NDF: 870080.3/41

- sign 1139.942+/-0.249 χ^2/NDF: 239459.2/21



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -337.706+/-238.792 χ^2/NDF:4.8/3

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

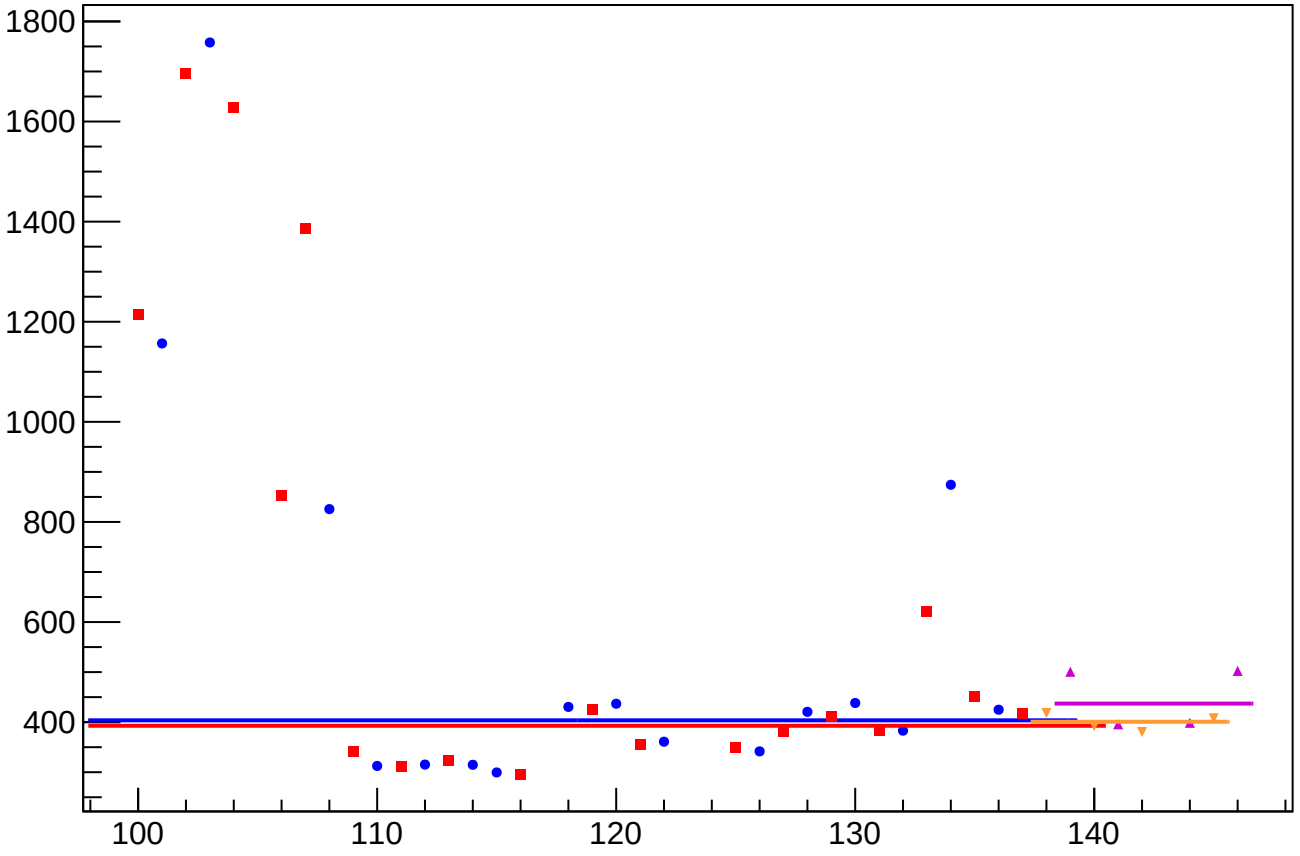
Left In: -24.238+/-234.836 χ^2/NDF:3.1/3

+ sign -95.822+/-133.973 χ^2/NDF: 25.9/19

All: -148.107+/-93.870 χ^2/NDF: 45.2/41

- sign -198.527+/-131.563 χ^2/NDF: 19.0/21

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: 400.790+/-0.169 χ^2/NDF:6411.9/3

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

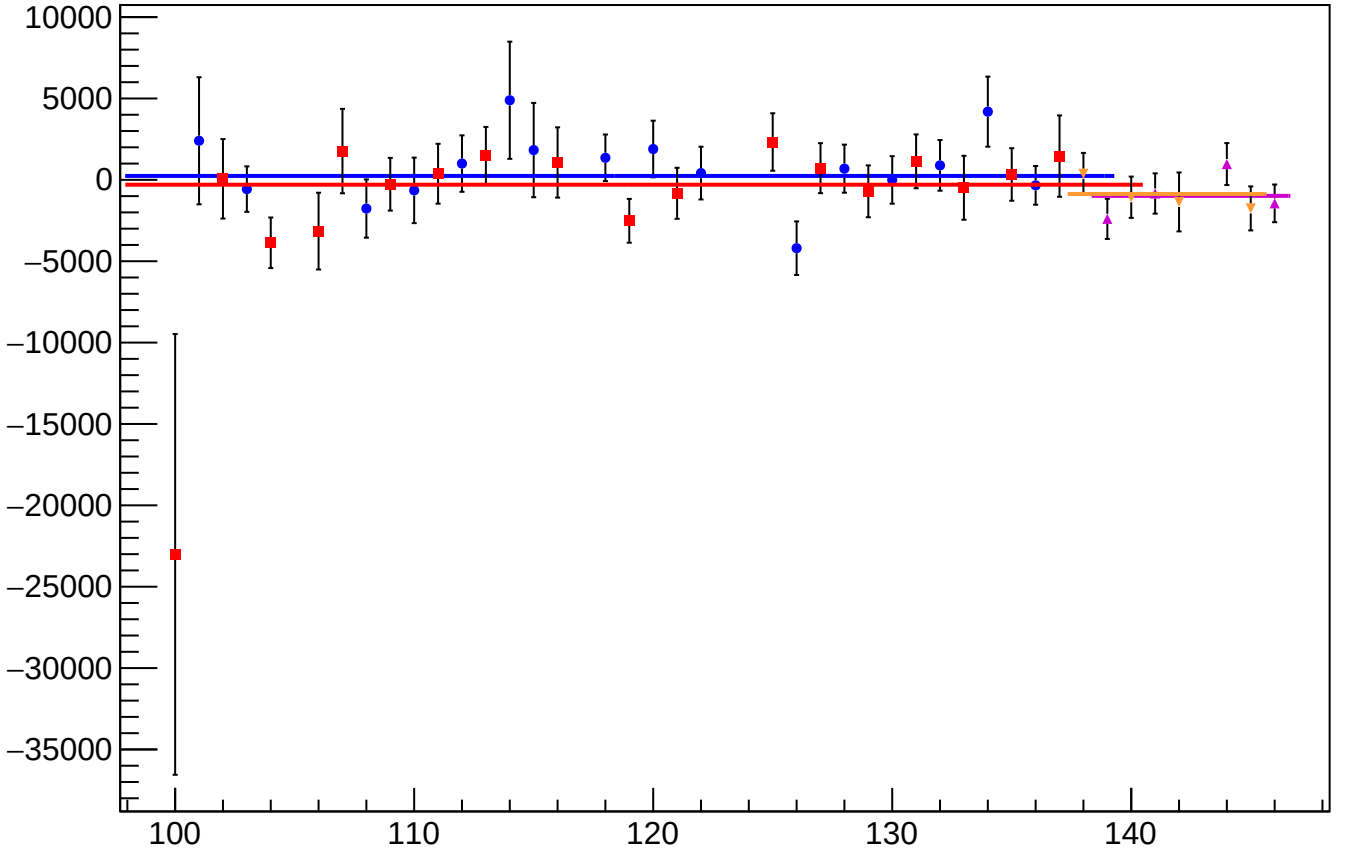
Left In: 437.098+/-0.166 χ^2/NDF:93289.6/3

+ sign 402.754+/-0.095 χ^2/NDF: 1936206.7/19

All: 404.771+/-0.066 χ^2/NDF: 4282627.4/41

- sign 406.717+/-0.093 χ^2/NDF: 2345529.5/21

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: -869.545+/-693.144 χ^2/NDF:1.5/3

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

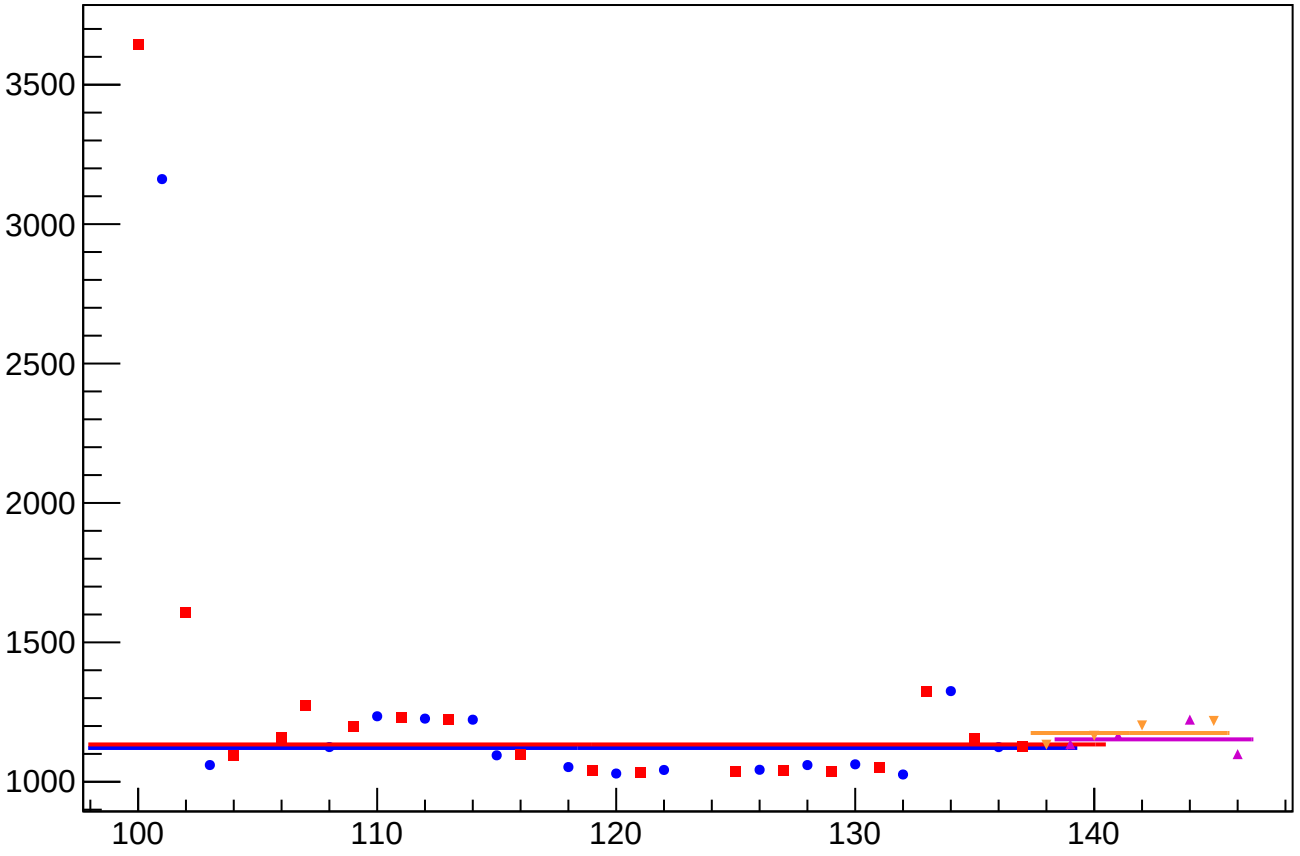
Left In: -983.541+/-613.426 χ^2/NDF:3.8/3

\+ sign -64.209+/-363.301 χ^2/NDF: 20.3/19

All: -301.552+/-252.998 χ^2/NDF: 44.4/41

\- sign -525.028+/-352.528 χ^2/NDF: 23.3/21

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: 1174.977+/-0.490 χ^2/NDF:4773.2/3

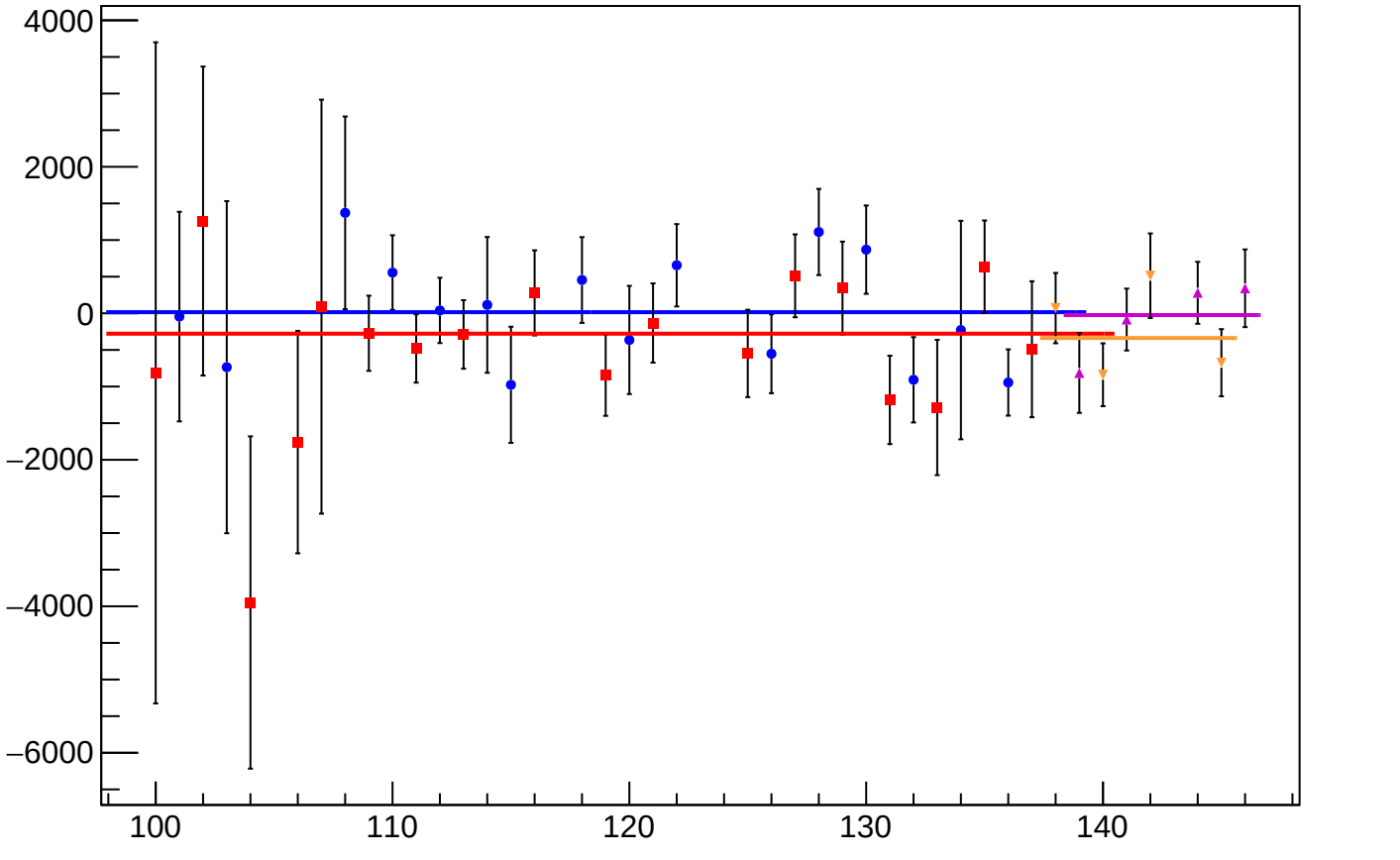
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1152.134+/-0.434 χ^2/NDF:10822.5/3

+ sign 1136.042+/-0.257 χ^2/NDF: 630502.4/19

All: 1138.050+/-0.179 χ^2/NDF: 870080.5/41

- sign 1139.942+/-0.249 χ^2/NDF: 239459.4/21



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -337.716+/-238.792 χ^2/NDF:4.8/3

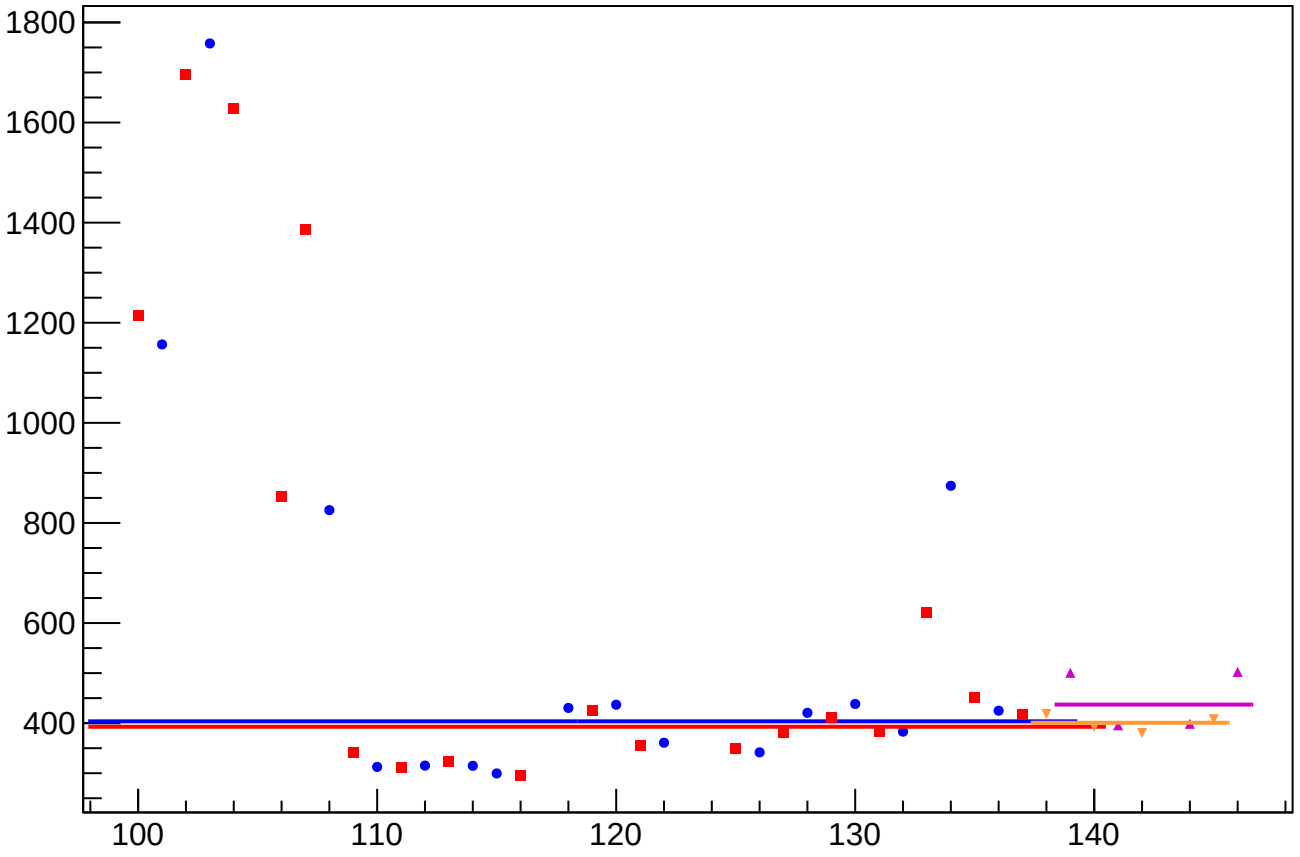
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -24.244+/-234.837 χ^2/NDF:3.1/3

+ sign -95.827+/-133.973 χ^2/NDF: 25.9/19

All: -148.110+/-93.869 χ^2/NDF: 45.2/41

- sign -198.528+/-131.562 χ^2/NDF: 19.0/21



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 400.790+/-0.169 χ^2/NDF:6409.0/3

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

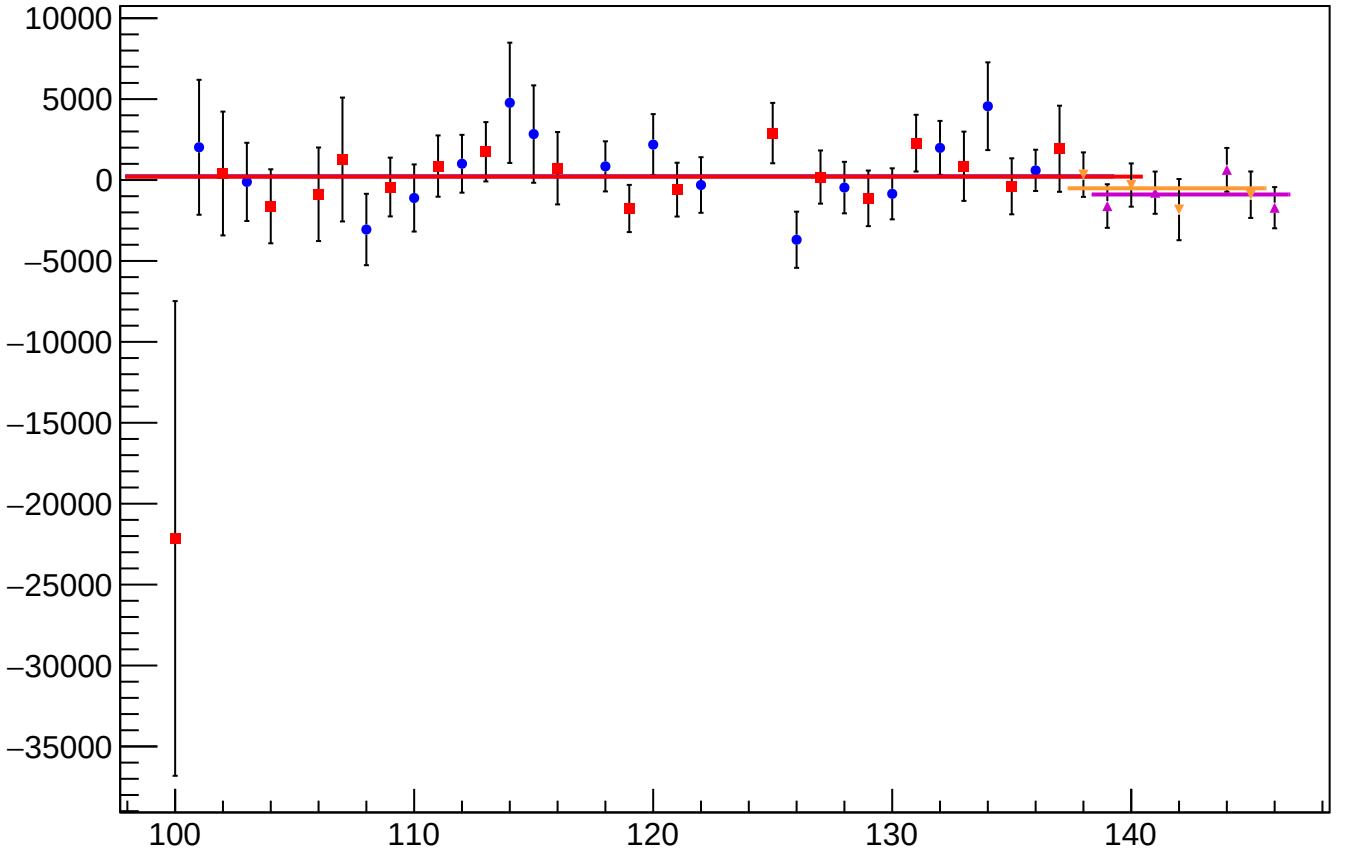
Left In: 437.100+/-0.166 χ^2/NDF:93287.2/3

+ sign 402.751+/-0.095 χ^2/NDF: 1936200.3/19

All: 404.769+/-0.066 χ^2/NDF: 4282637.0/41

- sign 406.715+/-0.093 χ^2/NDF: 2345545.4/21

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: -511.554+/-734.440 χ^2/NDF:1.0/3

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

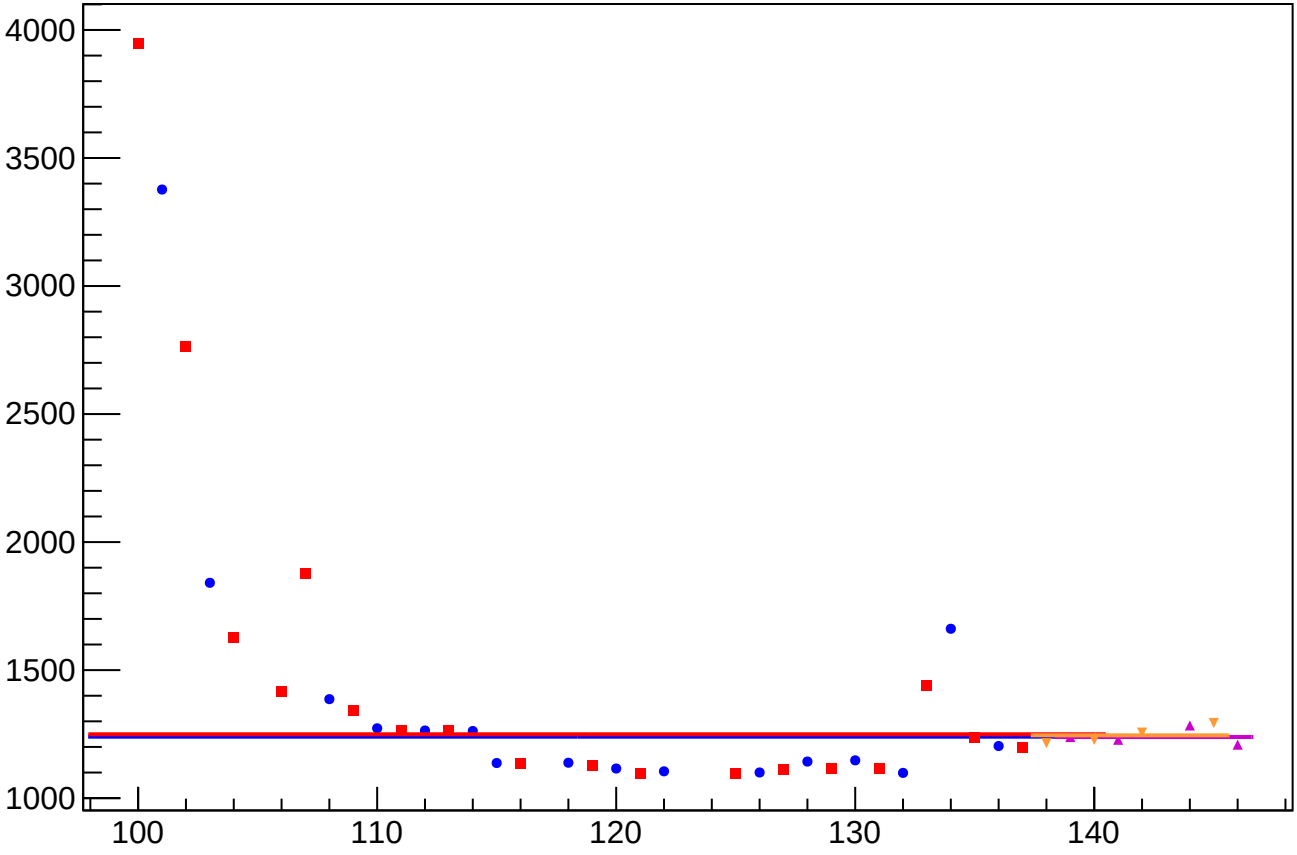
Left In: -892.918+/-659.221 χ^2/NDF:2.0/3

+ sign 7.928+/-398.590 χ^2/NDF: 17.8/19

All: -83.705+/-277.613 χ^2/NDF: 32.7/41

- sign -170.032+/-386.880 χ^2/NDF: 14.8/21

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1245.336+/-0.519 χ^2/NDF:3693.8/3

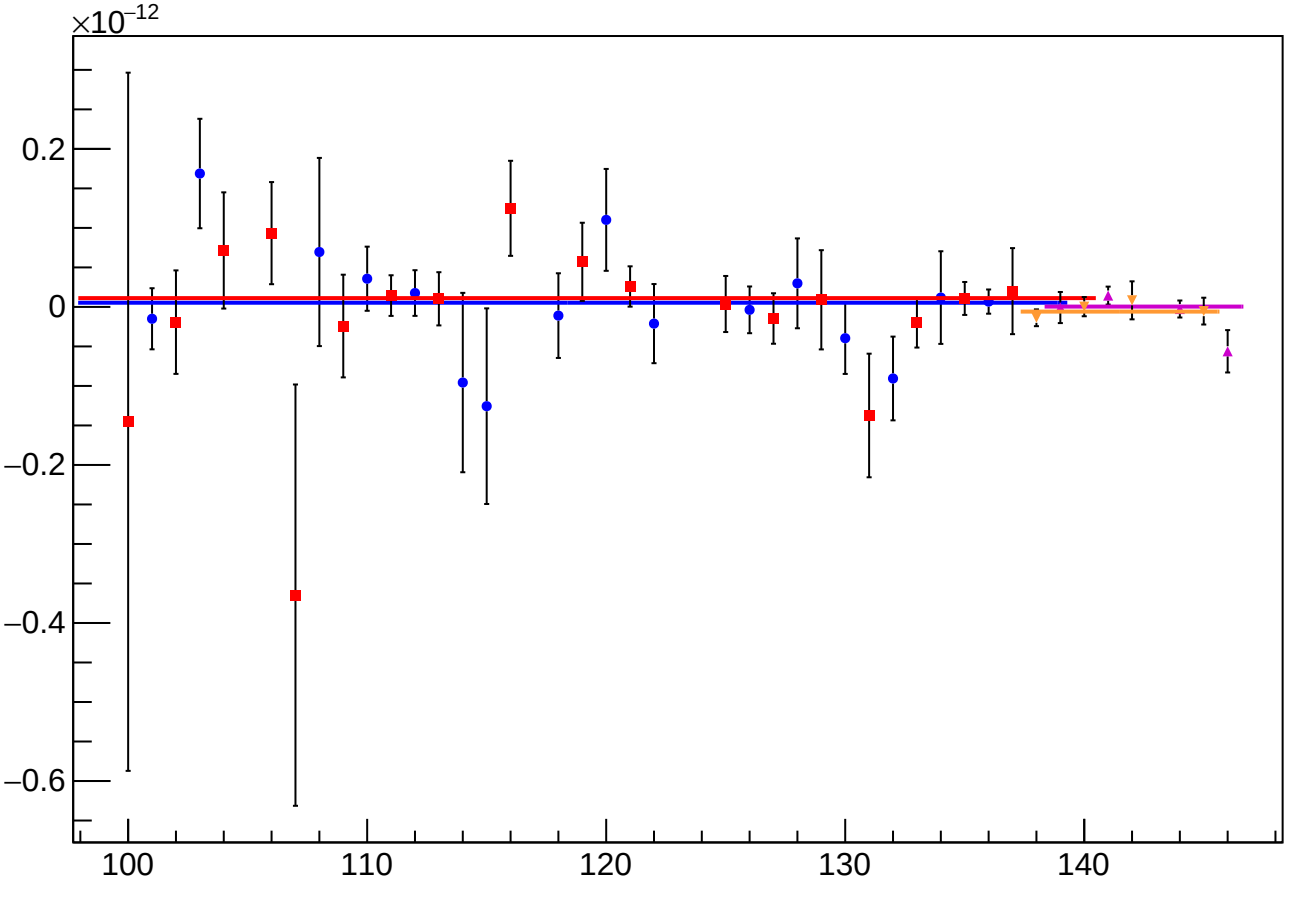
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1238.791+/-0.466 χ^2/NDF:3450.8/3

+ sign 1241.670+/-0.282 χ^2/NDF: 786444.2/19

All: 1243.772+/-0.196 χ^2/NDF: 1396442.5/41

- sign 1245.753+/-0.274 χ^2/NDF: 609890.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/3

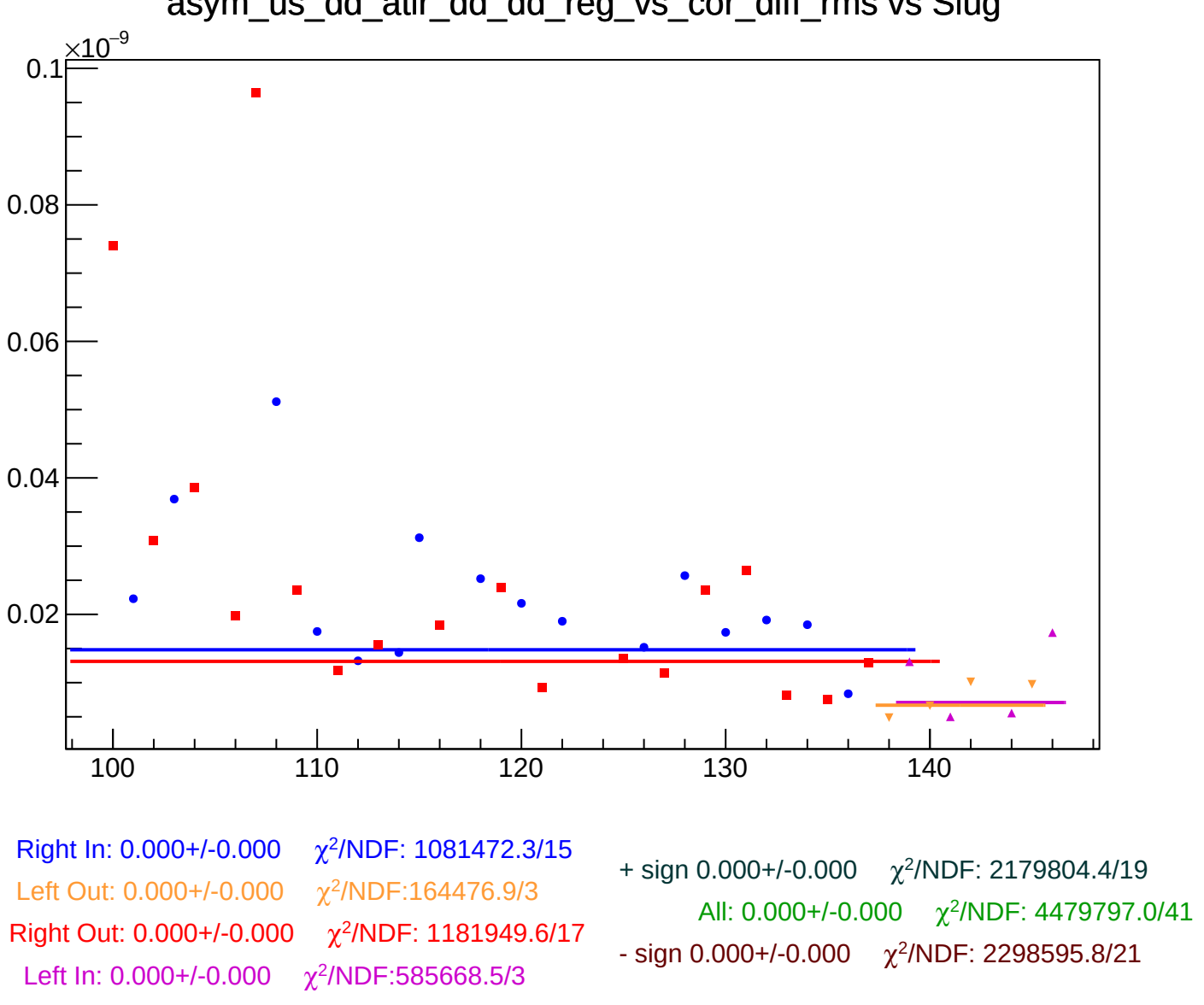
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

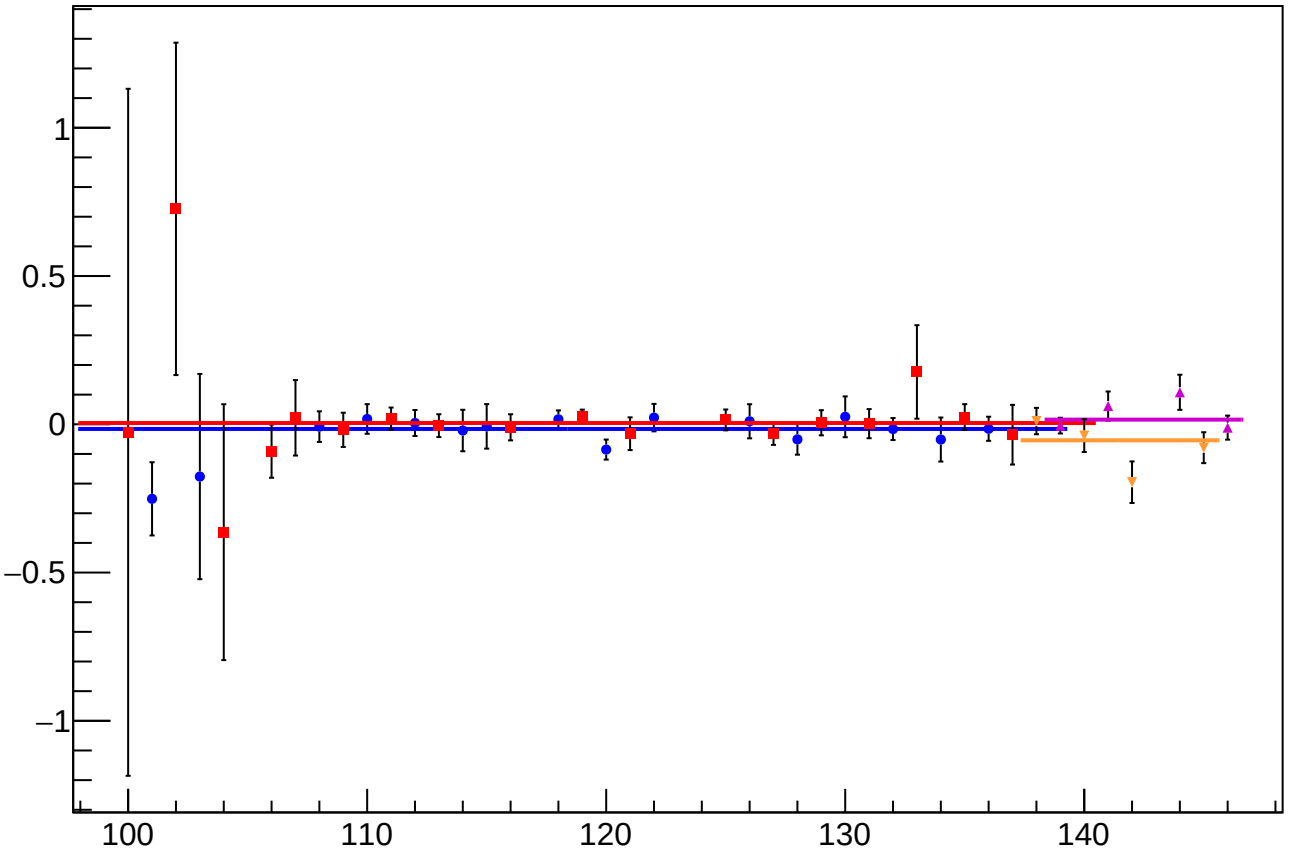
Left In: 0.000+/-0.000 χ^2/NDF:6.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.4/19

All: 0.000+/-0.000 χ^2/NDF: 41.0/41

- sign 0.000+/-0.000 χ^2/NDF: 21.9/21


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:164476.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:585668.5/3
+ sign 0.000+/-0.000 χ²/NDF: 2179804.4/19
All: 0.000+/-0.000 χ²/NDF: 4479797.0/41
- sign 0.000+/-0.000 χ²/NDF: 2298595.8/21



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.054+/-0.027 χ^2/NDF:6.5/3

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

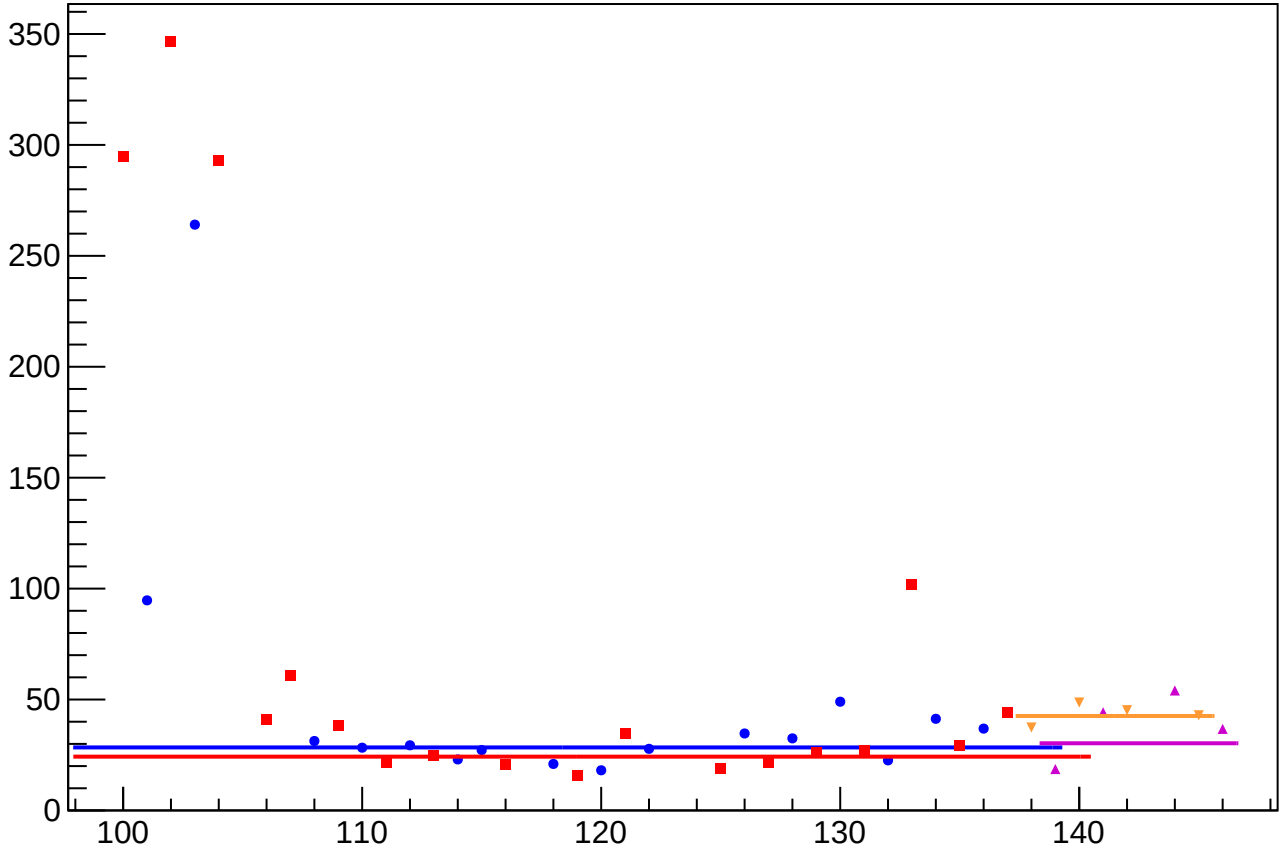
Left In: 0.016+/-0.019 χ^2/NDF:4.3/3

+ sign -0.022+/-0.011 χ^2/NDF: 20.1/19

All: -0.006+/-0.007 χ^2/NDF: 36.5/41

- sign 0.007+/-0.010 χ^2/NDF: 12.4/21

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: 42.585+/-0.019 χ^2/NDF:53979.0/3

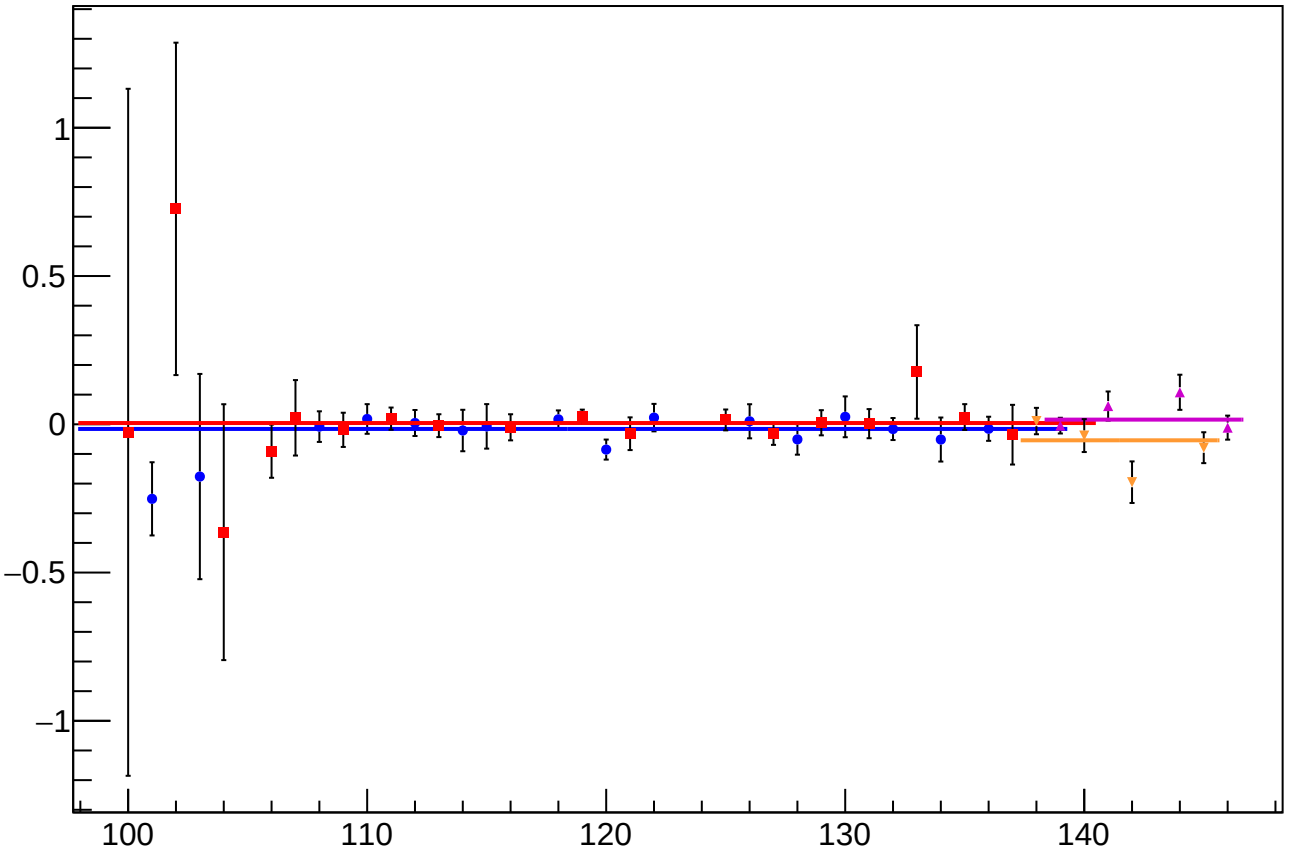
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 30.286+/-0.014 χ^2/NDF:920669.9/3

+ sign 30.894+/-0.008 χ^2/NDF: 2764306.8/19

All: 28.043+/-0.005 χ^2/NDF: 6975360.4/41

- sign 25.844+/-0.007 χ^2/NDF: 3980579.4/21



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.054+/-0.027 χ^2/NDF:6.5/3

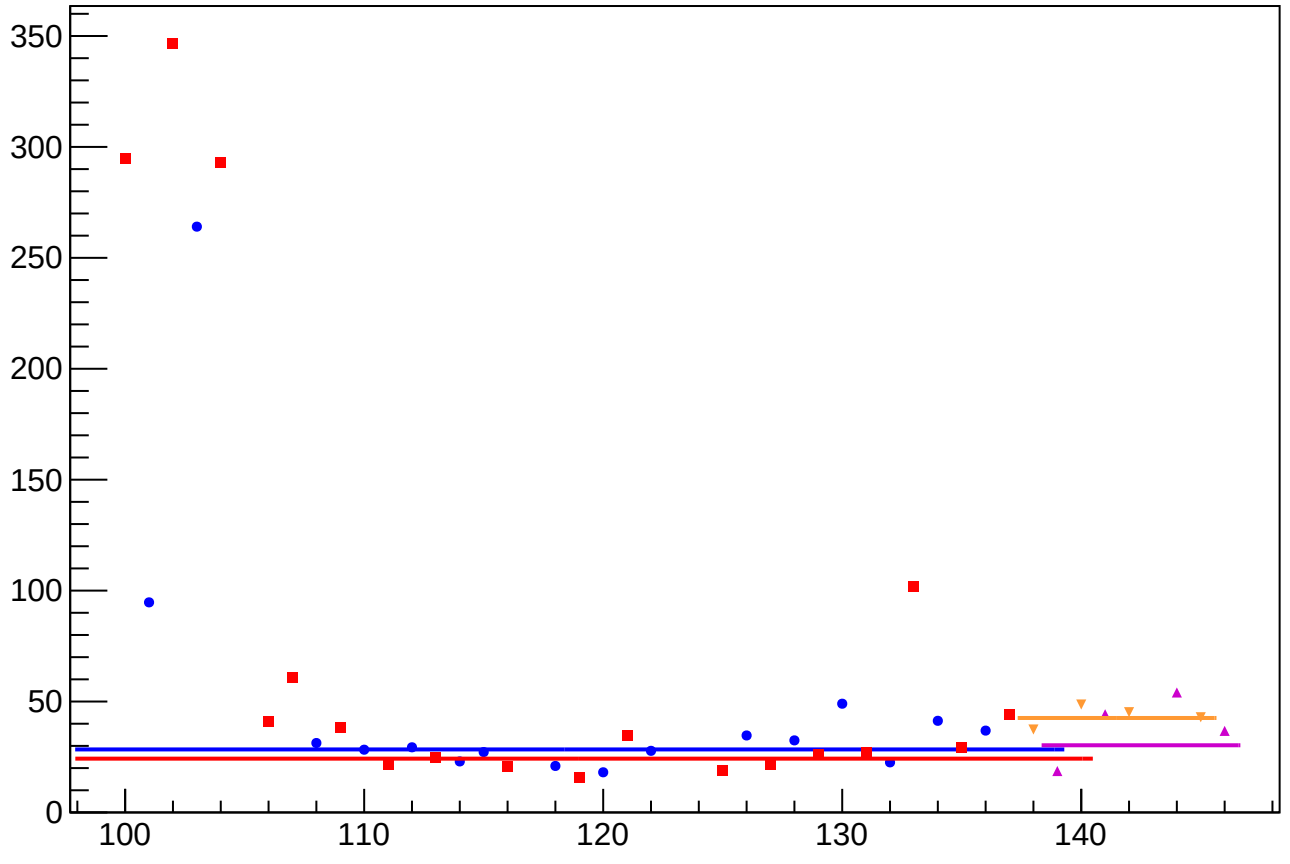
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.016+/-0.019 χ^2/NDF:4.3/3

+ sign -0.022+/-0.011 χ^2/NDF: 20.1/19

All: -0.006+/-0.007 χ^2/NDF: 36.5/41

- sign 0.007+/-0.010 χ^2/NDF: 12.4/21



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 42.585+/-0.019 χ^2/NDF:53979.0/3

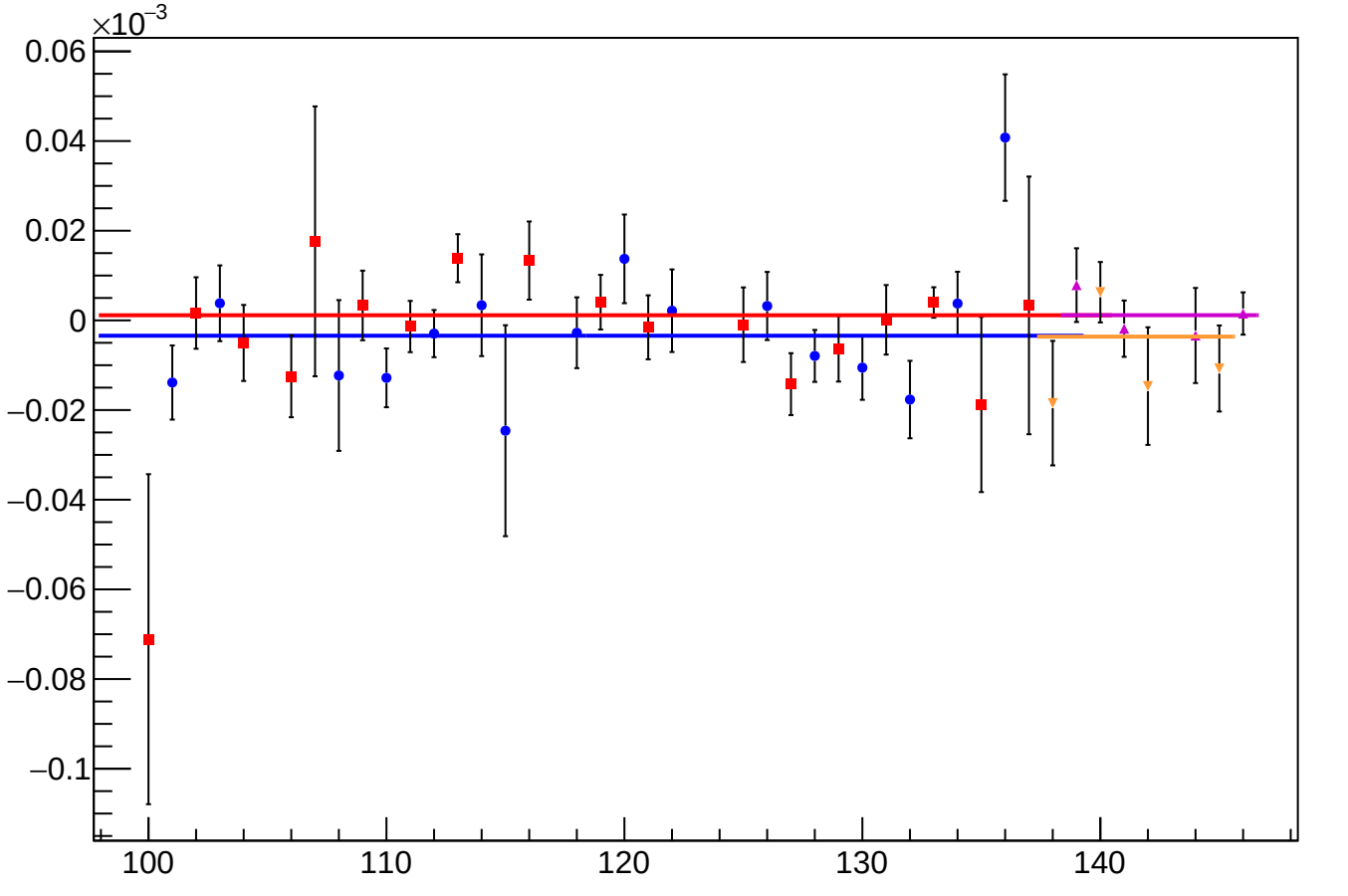
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 30.286+/-0.014 χ^2/NDF:920669.9/3

+ sign 30.894+/-0.008 χ^2/NDF: 2764306.8/19

All: 28.043+/-0.005 χ^2/NDF: 6975360.4/41

- sign 25.844+/-0.007 χ^2/NDF: 3980579.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/3

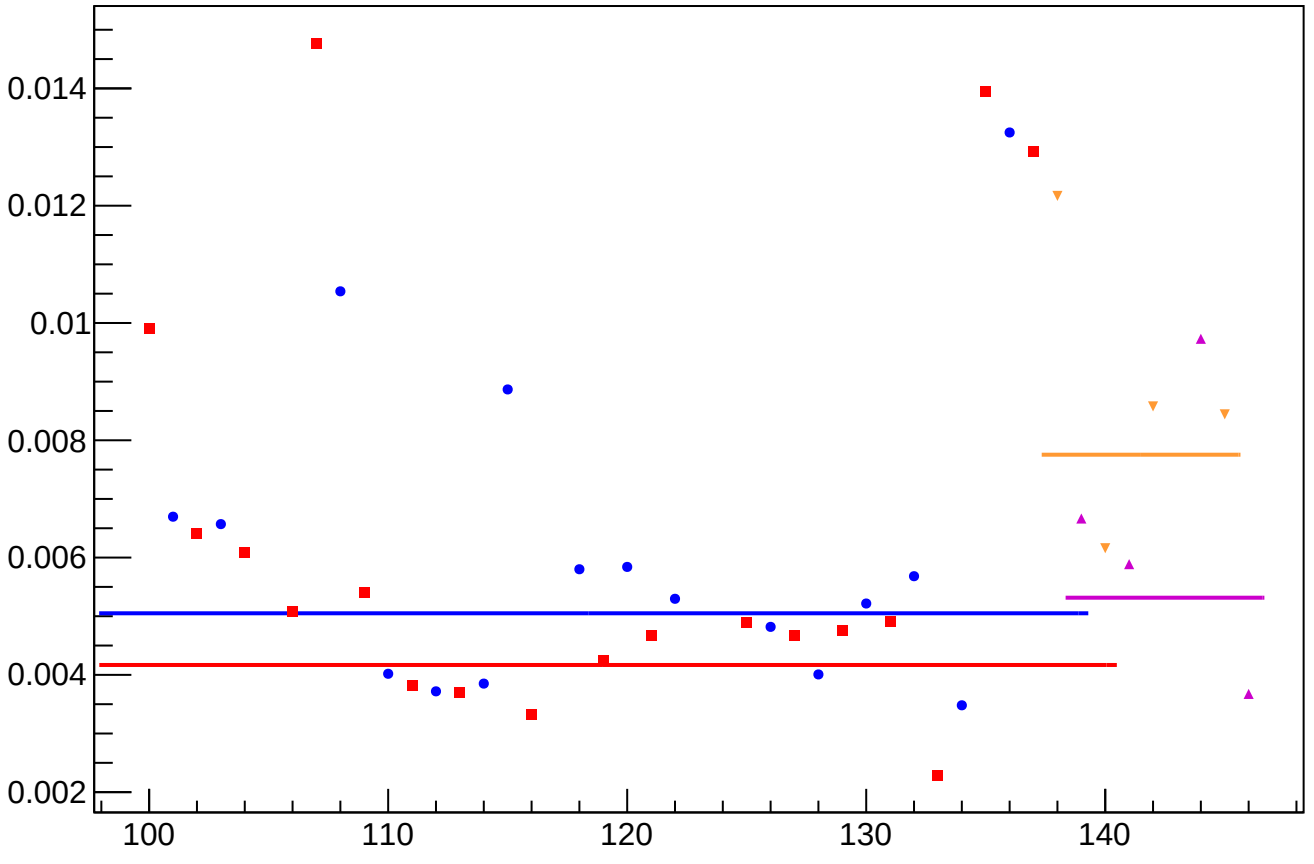
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/19

All: -0.000+/-0.000 χ^2/NDF: 57.4/41

- sign 0.000+/-0.000 χ^2/NDF: 24.1/21



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:332179.9/3

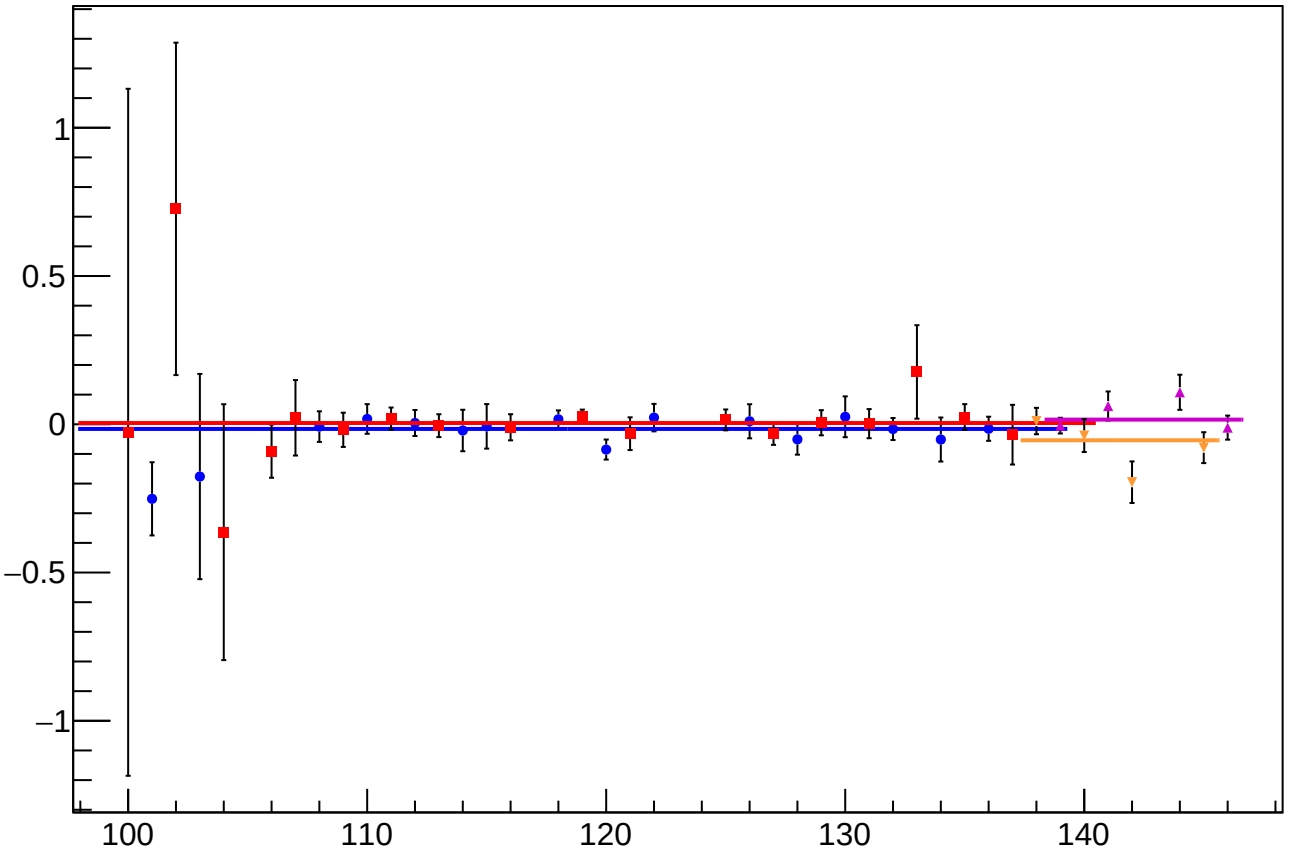
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.005+/-0.000 χ^2/NDF:658848.6/3

+ sign 0.005+/-0.000 χ^2/NDF: 2370329.0/19

All: 0.005+/-0.000 χ^2/NDF: 5648864.1/41

- sign 0.004+/-0.000 χ^2/NDF: 2895428.9/21



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.054+/-0.027 χ^2/NDF:6.5/3

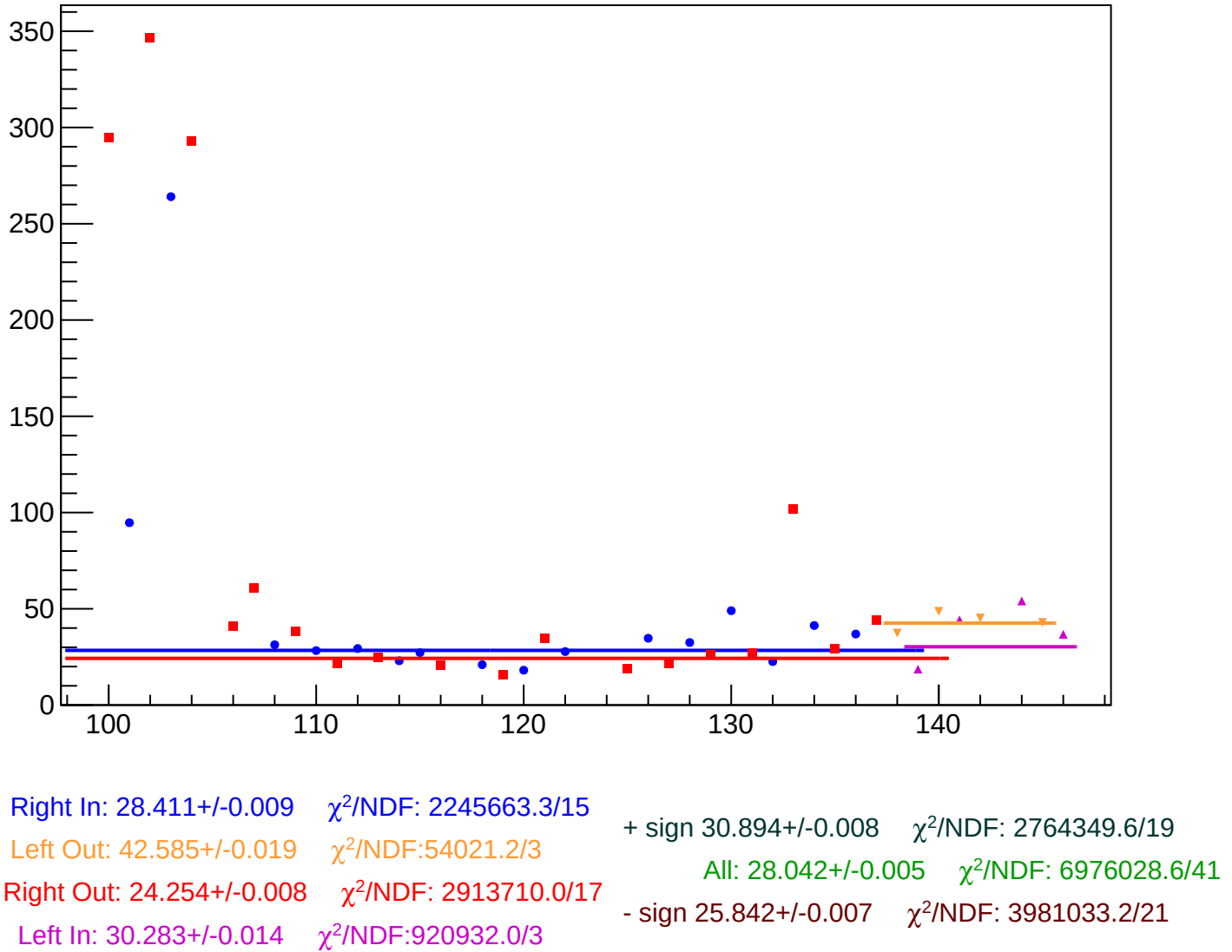
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

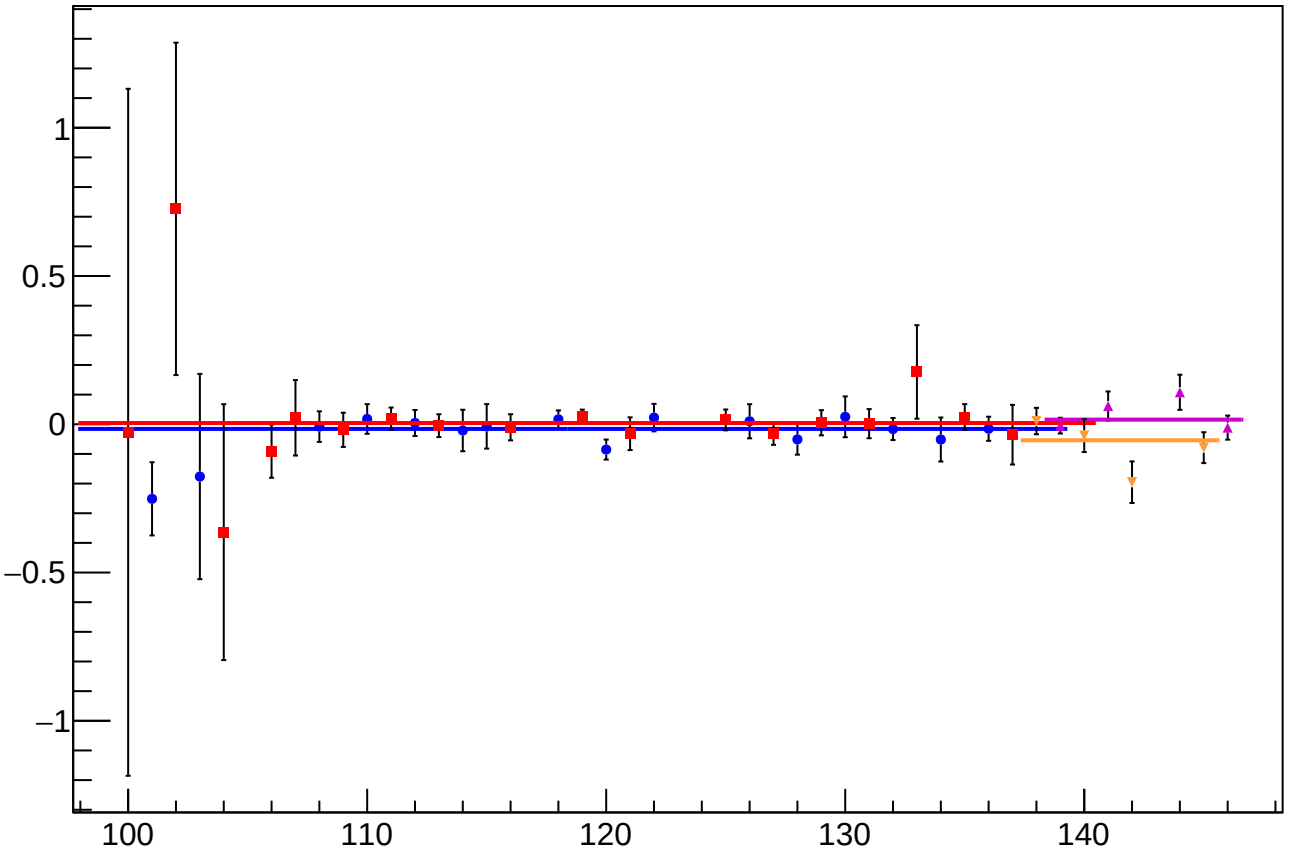
Left In: 0.016+/-0.019 χ^2/NDF:4.3/3

+ sign -0.022+/-0.011 χ^2/NDF: 20.1/19

All: -0.006+/-0.007 χ^2/NDF: 36.5/41

- sign 0.007+/-0.010 χ^2/NDF: 12.4/21


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 42.585+/-0.019 χ²/NDF:54021.2/3
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 30.283+/-0.014 χ²/NDF:920932.0/3
+ sign 30.894+/-0.008 χ²/NDF: 2764349.6/19
All: 28.042+/-0.005 χ²/NDF: 6976028.6/41
- sign 25.842+/-0.007 χ²/NDF: 3981033.2/21



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.054+/-0.027 χ^2/NDF:6.5/3

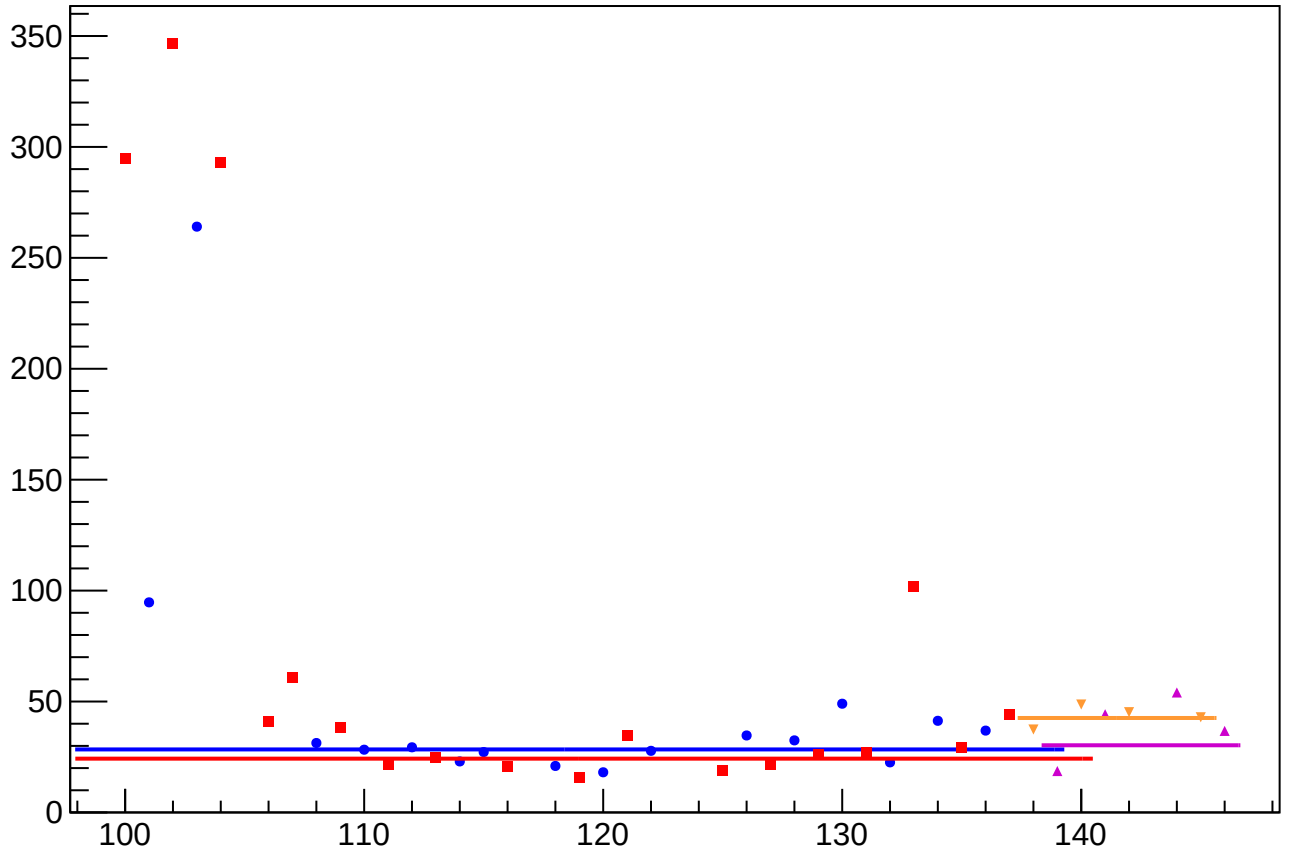
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.016+/-0.019 χ^2/NDF:4.3/3

+ sign -0.022+/-0.011 χ^2/NDF: 20.1/19

All: -0.006+/-0.007 χ^2/NDF: 36.5/41

- sign 0.007+/-0.010 χ^2/NDF: 12.4/21



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 42.585+/-0.019 χ^2/NDF:54021.2/3

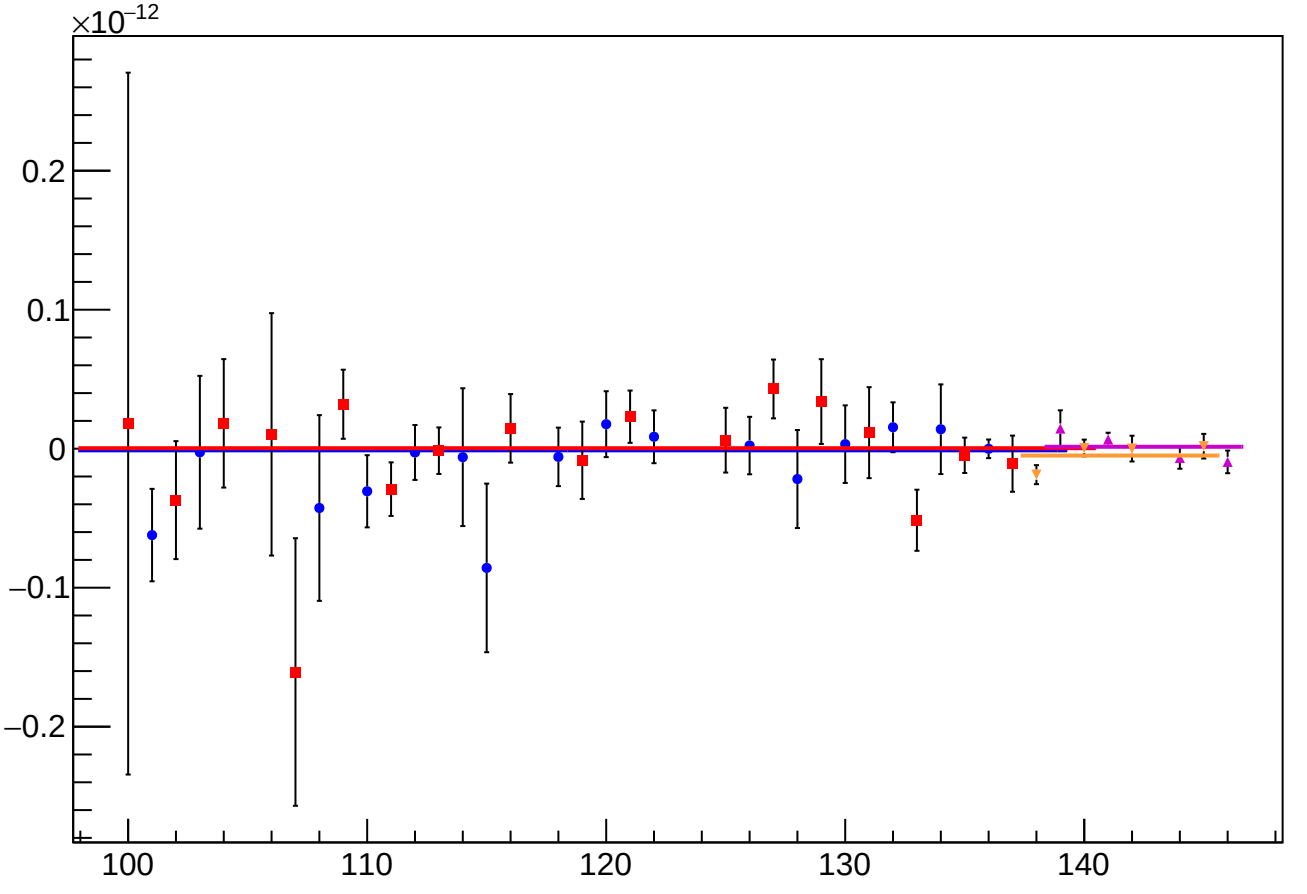
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 30.283+/-0.014 χ^2/NDF:920932.0/3

+ sign 30.894+/-0.008 χ^2/NDF: 2764349.6/19

All: 28.042+/-0.005 χ^2/NDF: 6976028.6/41

- sign 25.842+/-0.007 χ^2/NDF: 3981033.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/3

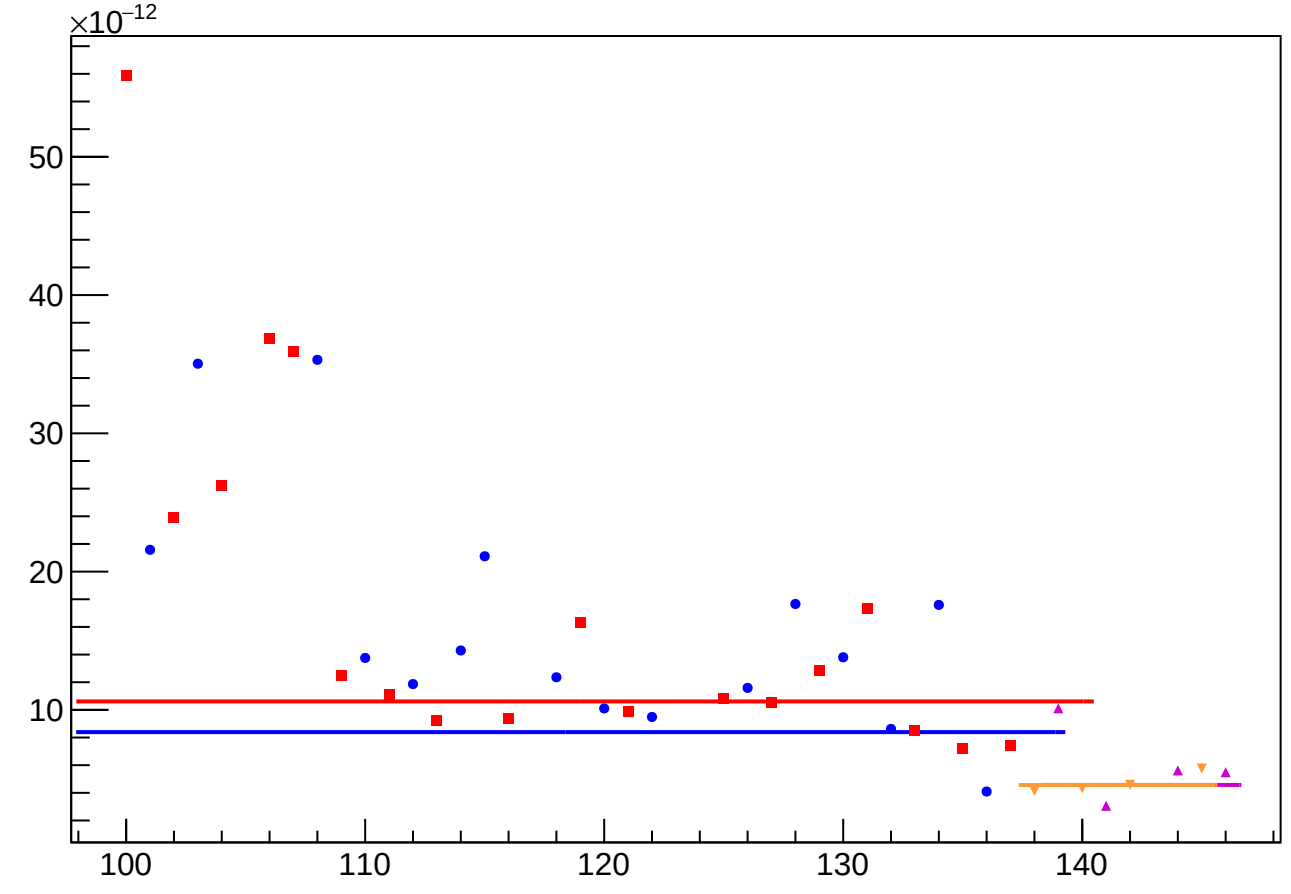
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 15.5/19

All: -0.000+/-0.000 χ^2/NDF: 42.9/41

- sign 0.000+/-0.000 χ^2/NDF: 26.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:46885.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

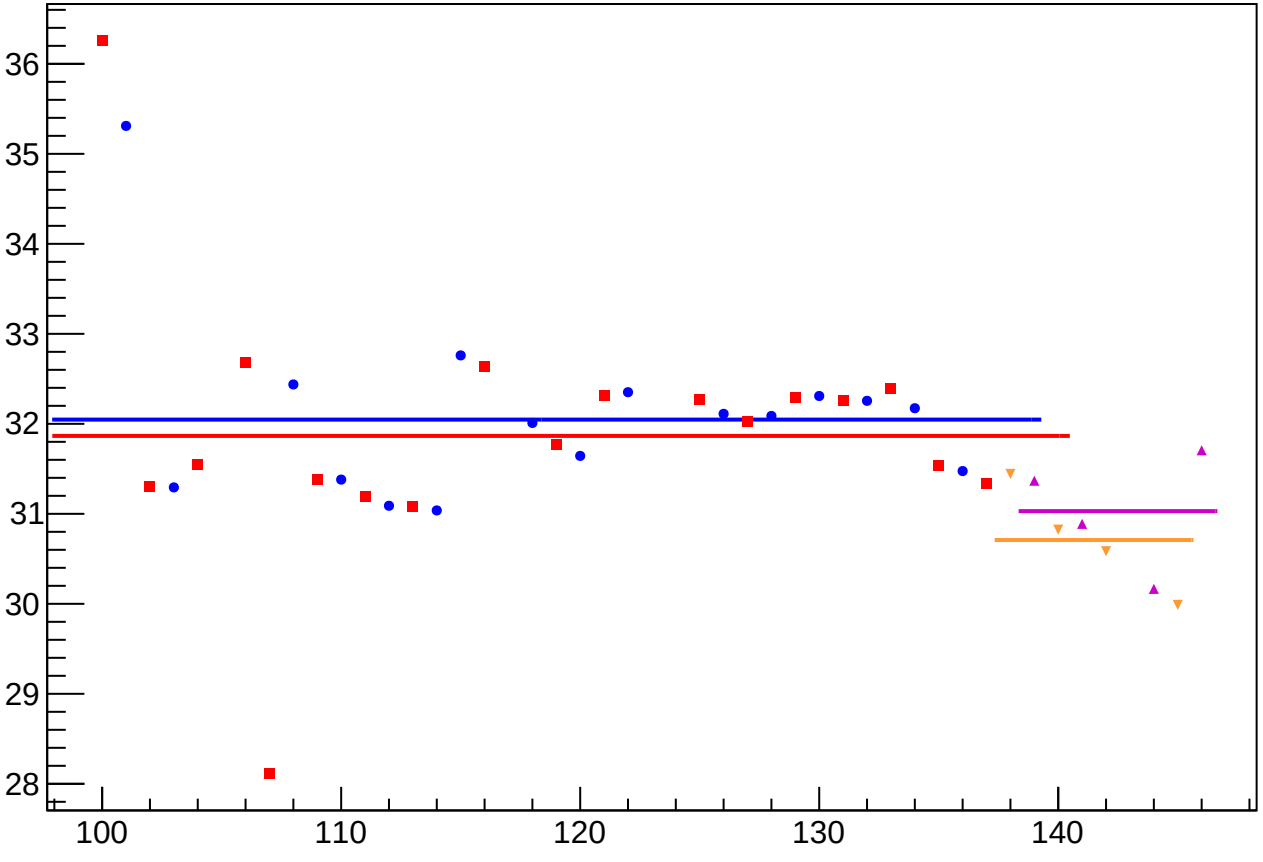
Left In: 0.000+/-0.000 χ^2/NDF:610853.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 3561249.3/19

All: 0.000+/-0.000 χ^2/NDF: 7070706.1/41

- sign 0.000+/-0.000 χ^2/NDF: 3499544.2/21

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 30.709+/-0.000 χ^2/NDF:80045277.0/3

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

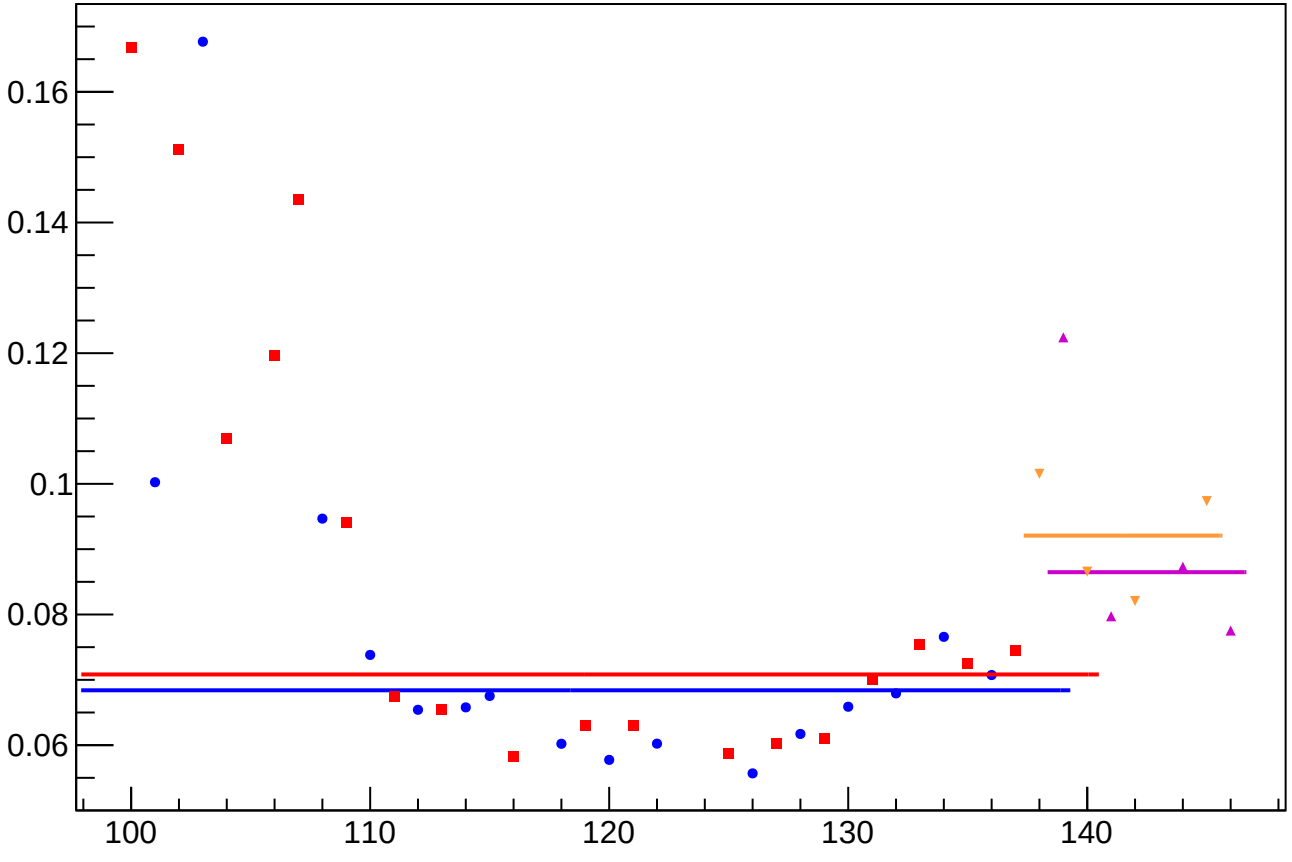
Left In: 31.030+/-0.000 χ^2/NDF:147256950.5/3

+ sign 31.804+/-0.000 χ^2/NDF: 1413139500.1/19

All: 31.731+/-0.000 χ^2/NDF: 2277940833.5/4

- sign 31.659+/-0.000 χ^2/NDF: 847552350.1/21

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.092+/-0.000 χ^2/NDF:33636.6/3

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

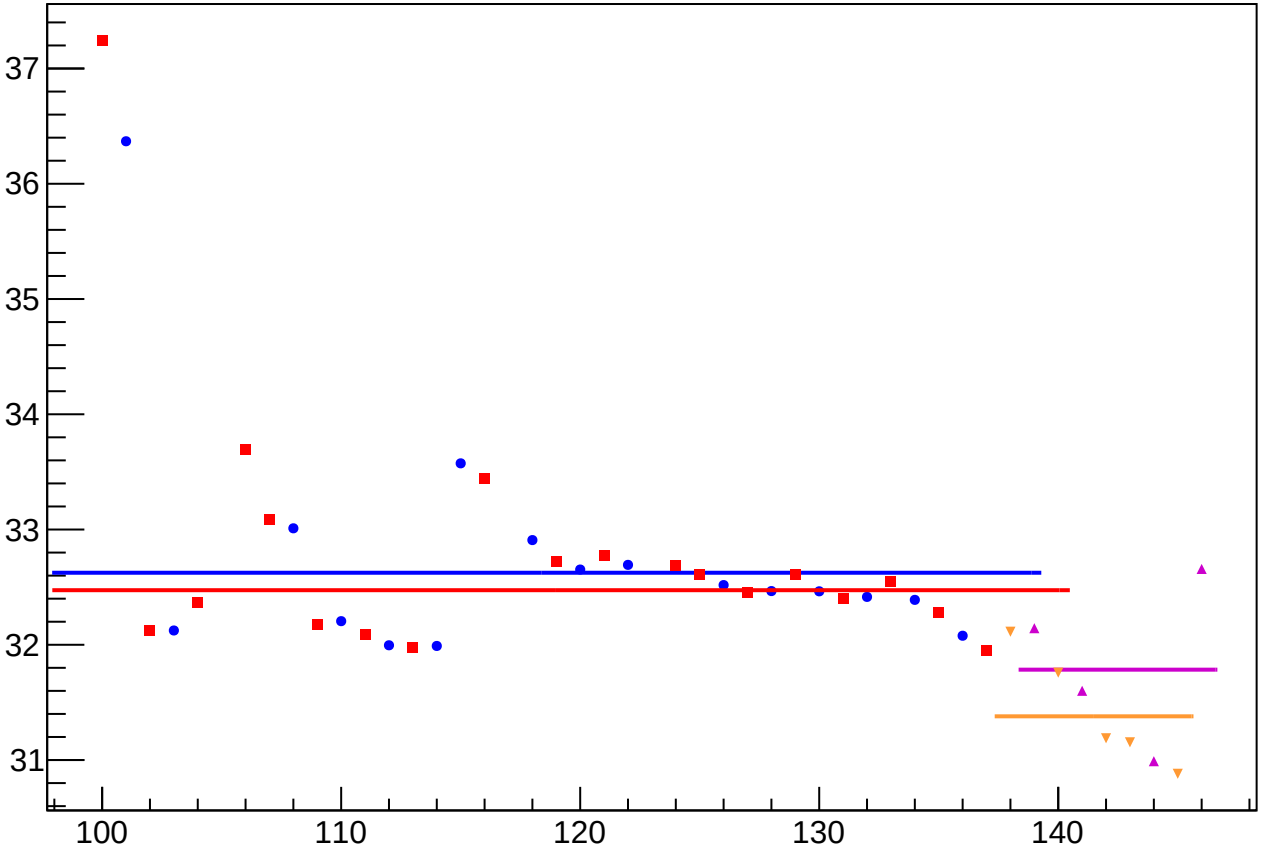
Left In: 0.086+/-0.000 χ^2/NDF:167710.7/3

+ sign 0.073+/-0.000 χ^2/NDF: 1008955.9/19

All: 0.074+/-0.000 χ^2/NDF: 2201780.2/41

- sign 0.075+/-0.000 χ^2/NDF: 1186264.2/21

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.379+/-0.000 χ^2/NDF:89518307.9/4

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

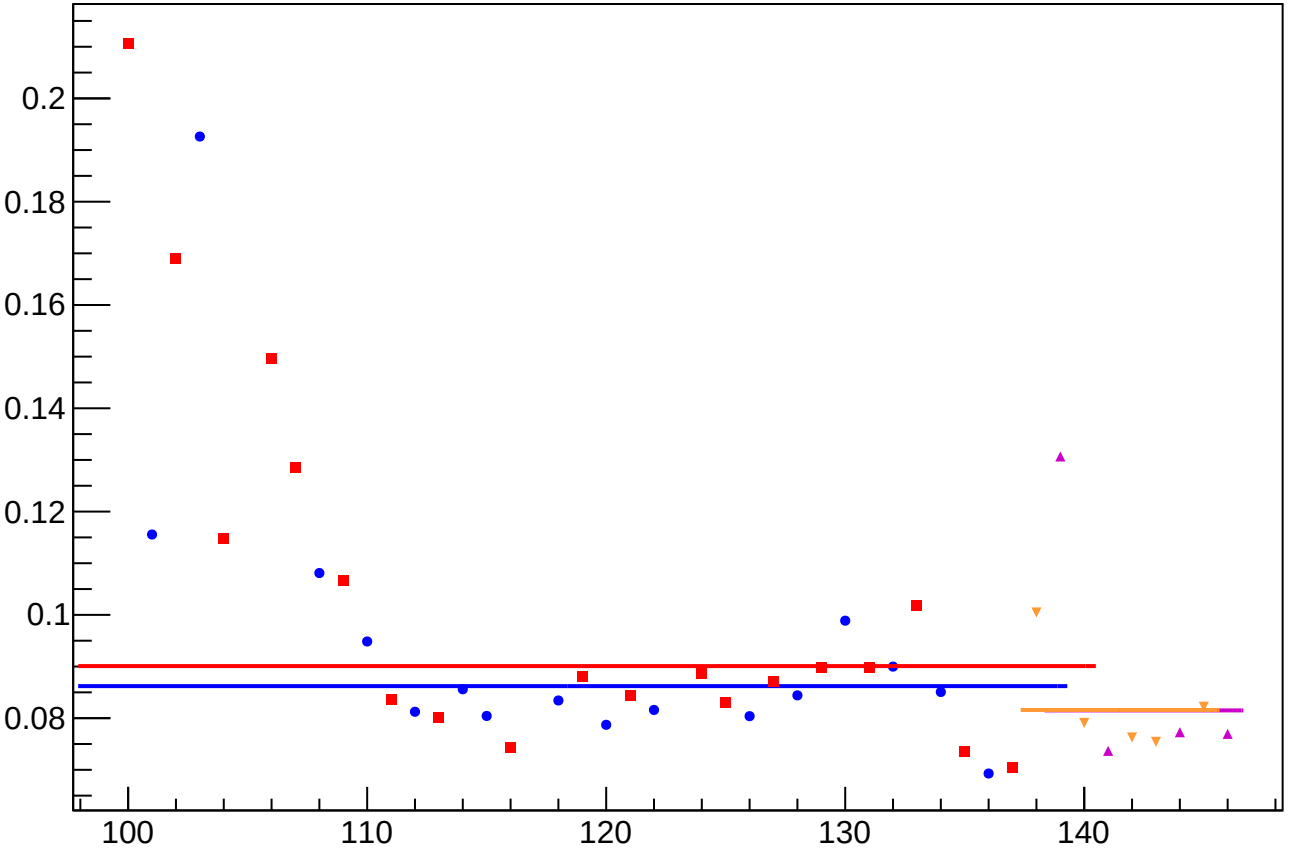
Left In: 31.784+/-0.000 χ^2/NDF:202576823.7/3

\+ sign 32.173+/-0.000 χ^2/NDF: 1303995590.5/20

All: 32.195+/-0.000 χ^2/NDF: 1804843016.3/4

\- sign 32.217+/-0.000 χ^2/NDF: 499582014.7/22

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.082+/-0.000 χ^2/NDF:65200.6/4

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

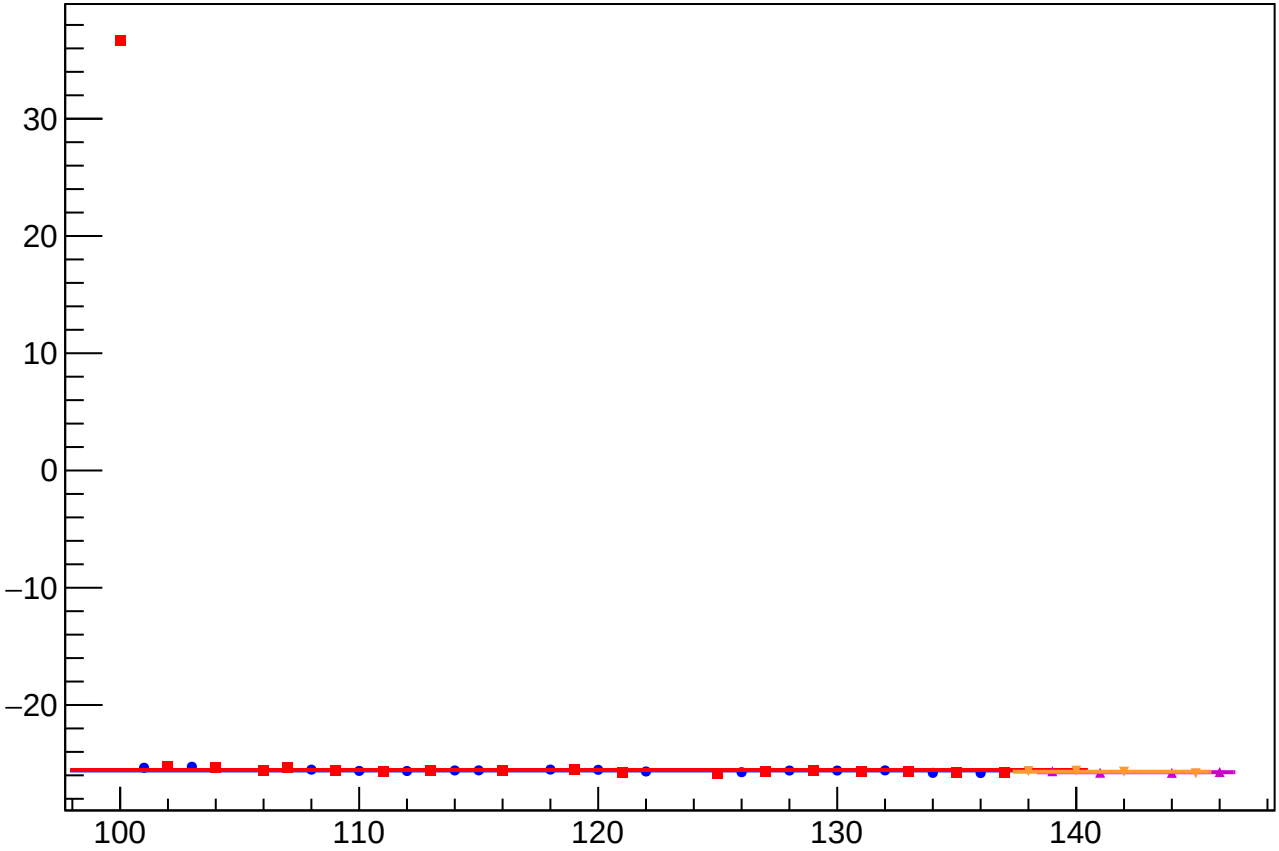
Left In: 0.082+/-0.000 χ^2/NDF:259819.8/3

+ sign 0.085+/-0.000 χ^2/NDF: 676980.4/20

All: 0.086+/-0.000 χ^2/NDF: 1609313.0/43

- sign 0.087+/-0.000 χ^2/NDF: 925094.6/22

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.691+/-0.000 χ^2/NDF:11135260.7/3

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

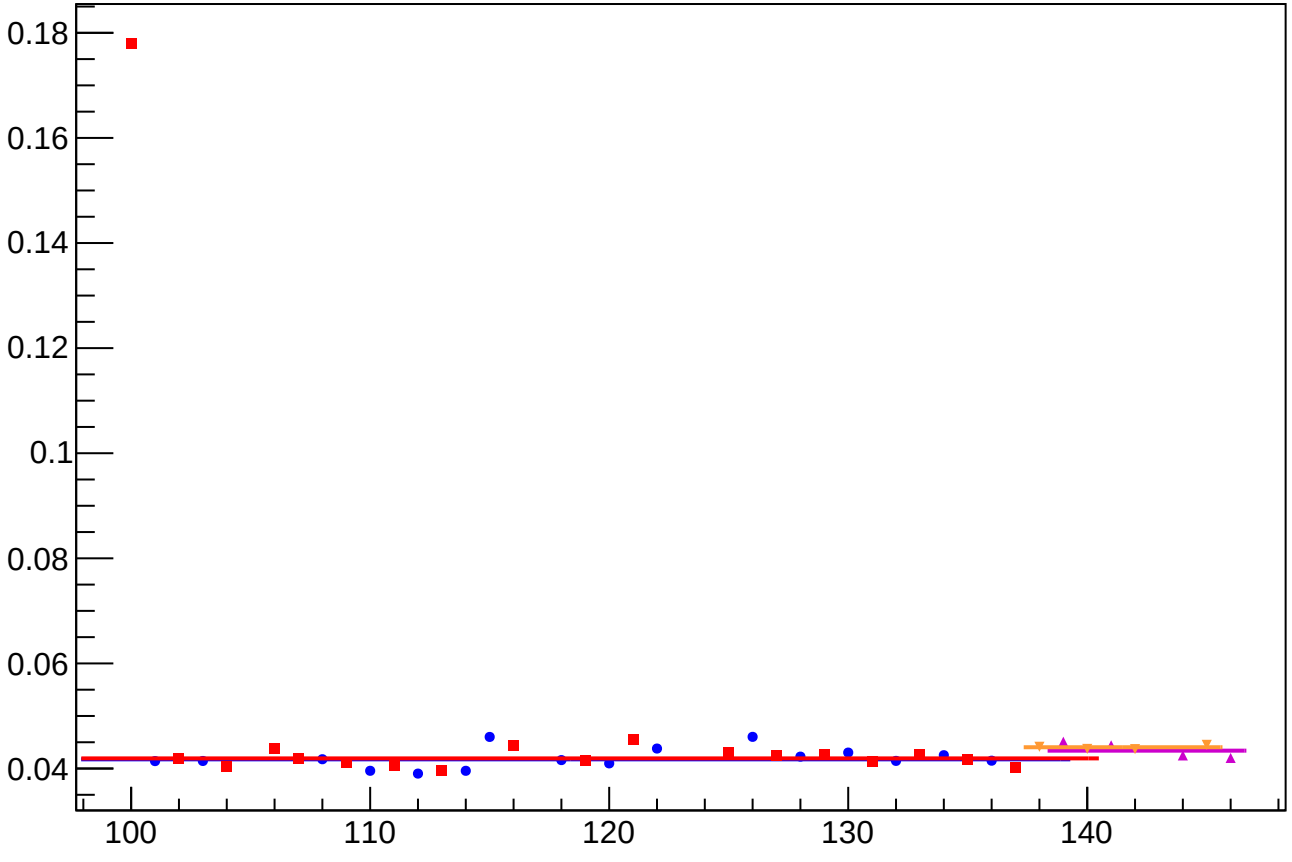
Left In: -25.732+/-0.000 χ^2/NDF:5330596.4/3

+ sign -25.608+/-0.000 χ^2/NDF: 123096106.3/19

All: -25.605+/-0.000 χ^2/NDF: 9081536662.6/

- sign -25.602+/-0.000 χ^2/NDF: 8958330612.5/21

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:320.5/3

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

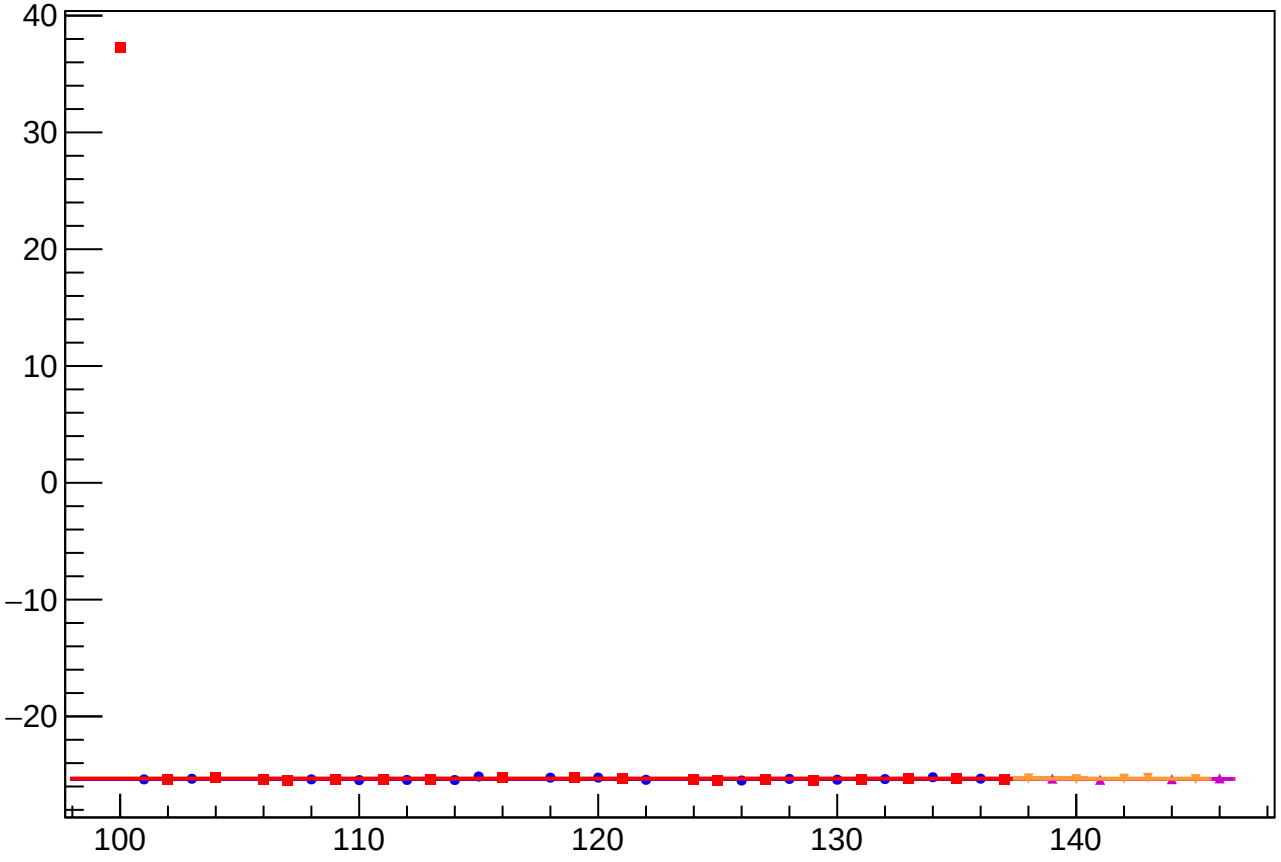
Left In: 0.043+/-0.000 χ^2/NDF:6034.9/3

+ sign 0.042+/-0.000 χ^2/NDF: 32505.3/19

All: 0.042+/-0.000 χ^2/NDF: 144222.0/41

- sign 0.042+/-0.000 χ^2/NDF: 111711.0/21

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.331+/-0.000 χ^2/NDF:2074074.9/4

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

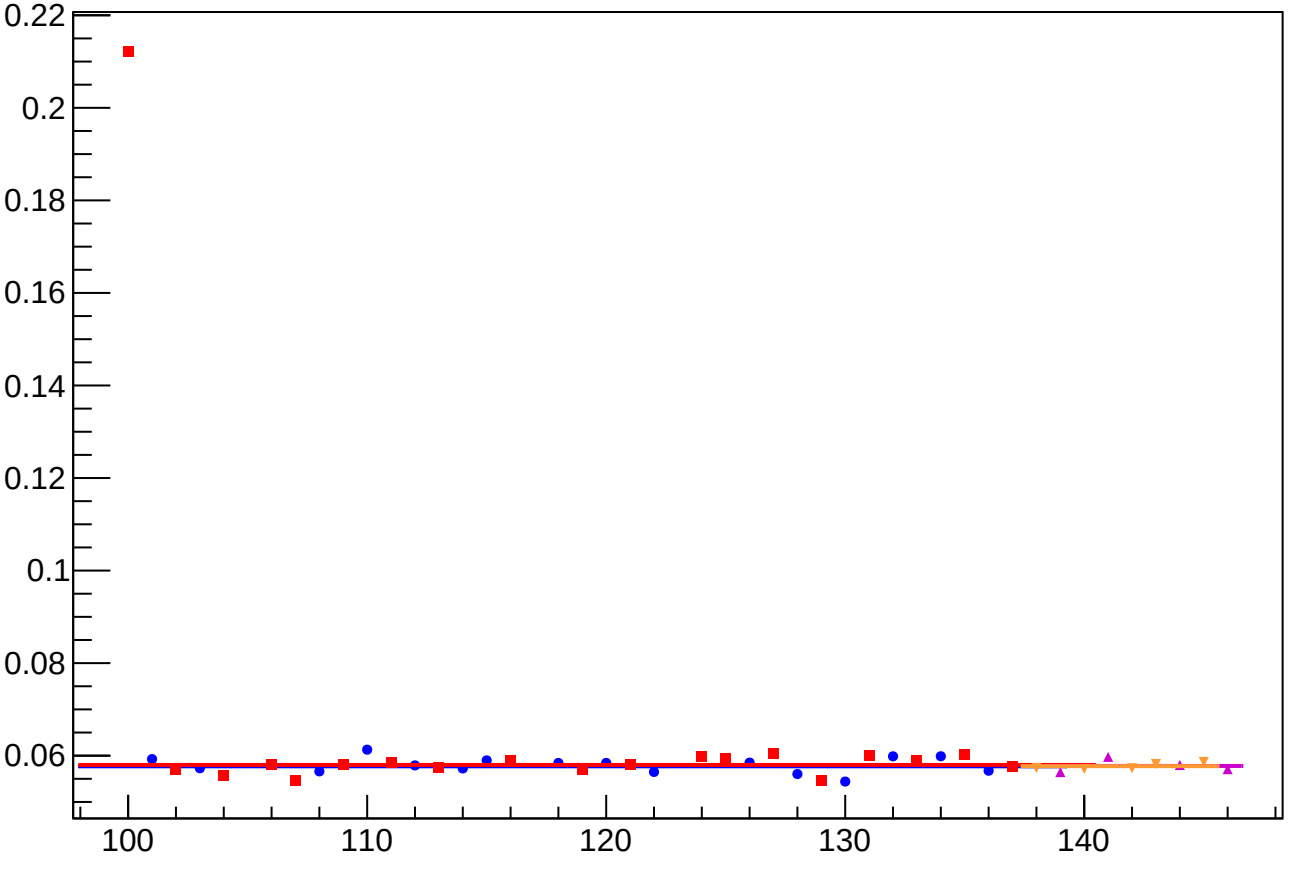
Left In: -25.355+/-0.000 χ^2/NDF:2201347.4/3

+ sign -25.350+/-0.000 χ^2/NDF: 15978772.5/20

All: -25.341+/-0.000 χ^2/NDF: 6334334764.5/

- sign -25.333+/-0.000 χ^2/NDF: 6317871157.1/22

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.058+/-0.000 χ^2/NDF:787.3/4

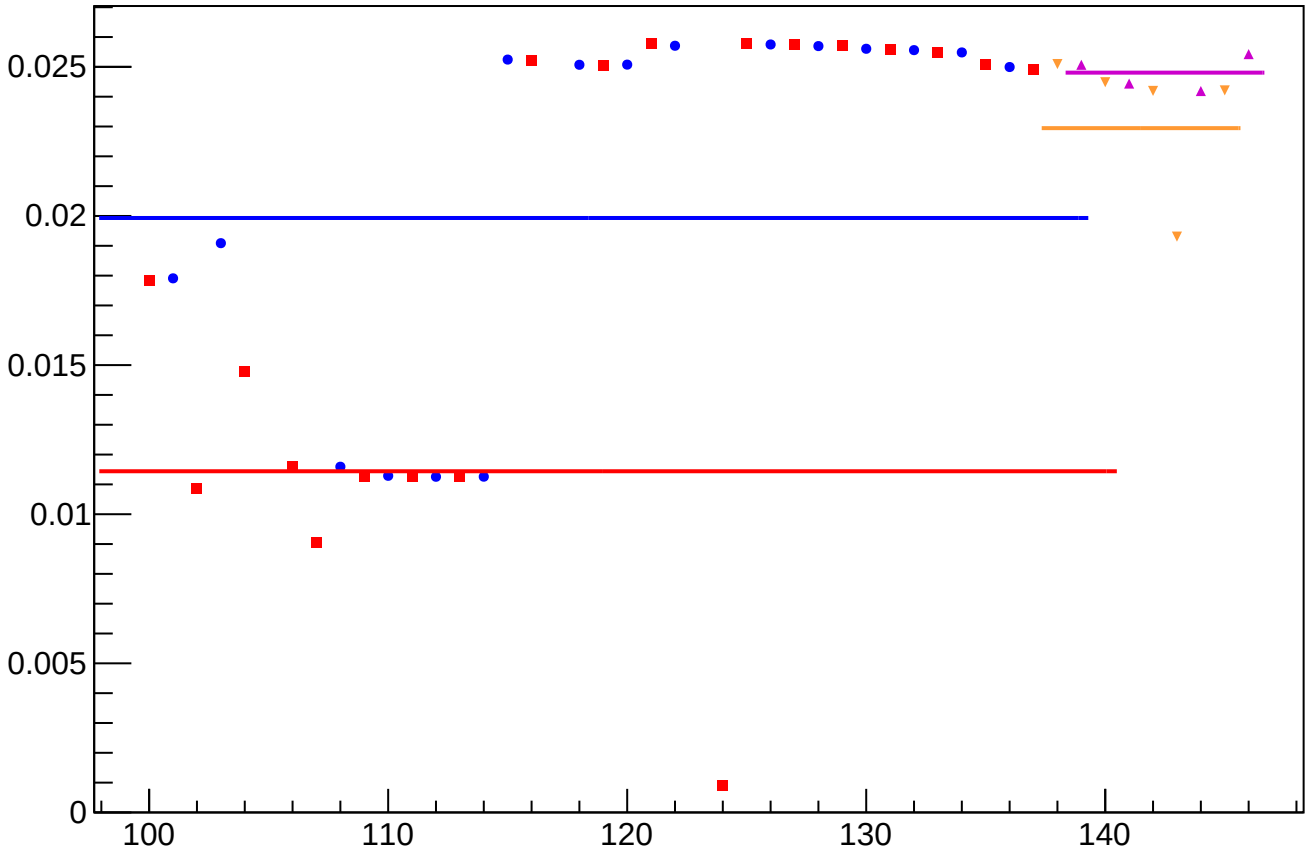
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:3013.3/3

+ sign 0.058+/-0.000 χ^2/NDF: 12552.9/20

All: 0.058+/-0.000 χ^2/NDF: 104459.0/43

- sign 0.058+/-0.000 χ^2/NDF: 91760.9/22



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.023+/-0.000 χ^2/NDF:3474000647.9/4

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

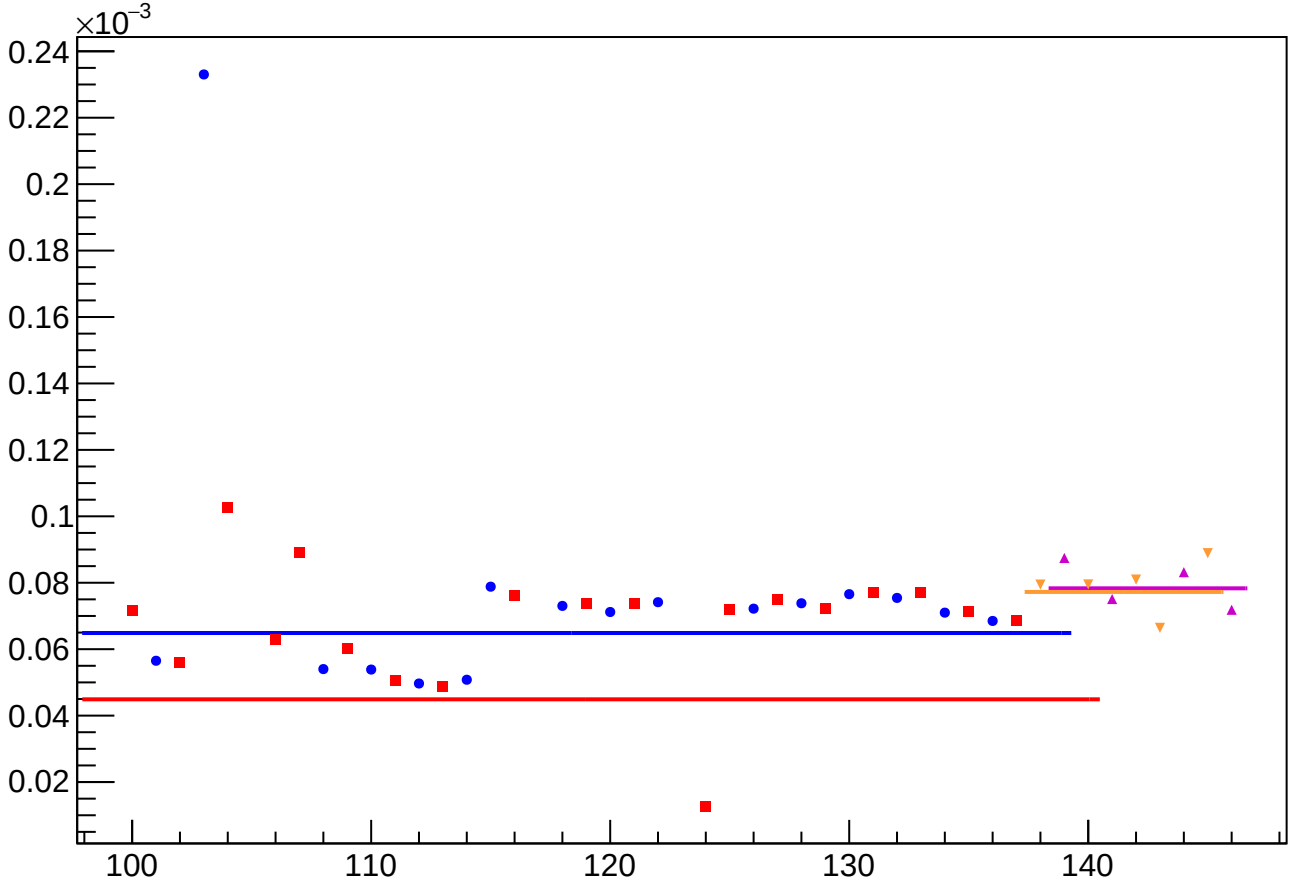
Left In: 0.025+/-0.000 χ^2/NDF:140365775.5/3

+ sign 0.021+/-0.000 χ^2/NDF: 69794001661.4/20

All: 0.017+/-0.000 χ^2/NDF: 464916113481.7

- sign 0.014+/-0.000 χ^2/NDF: 334699791231.5/22

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:72968.9/4

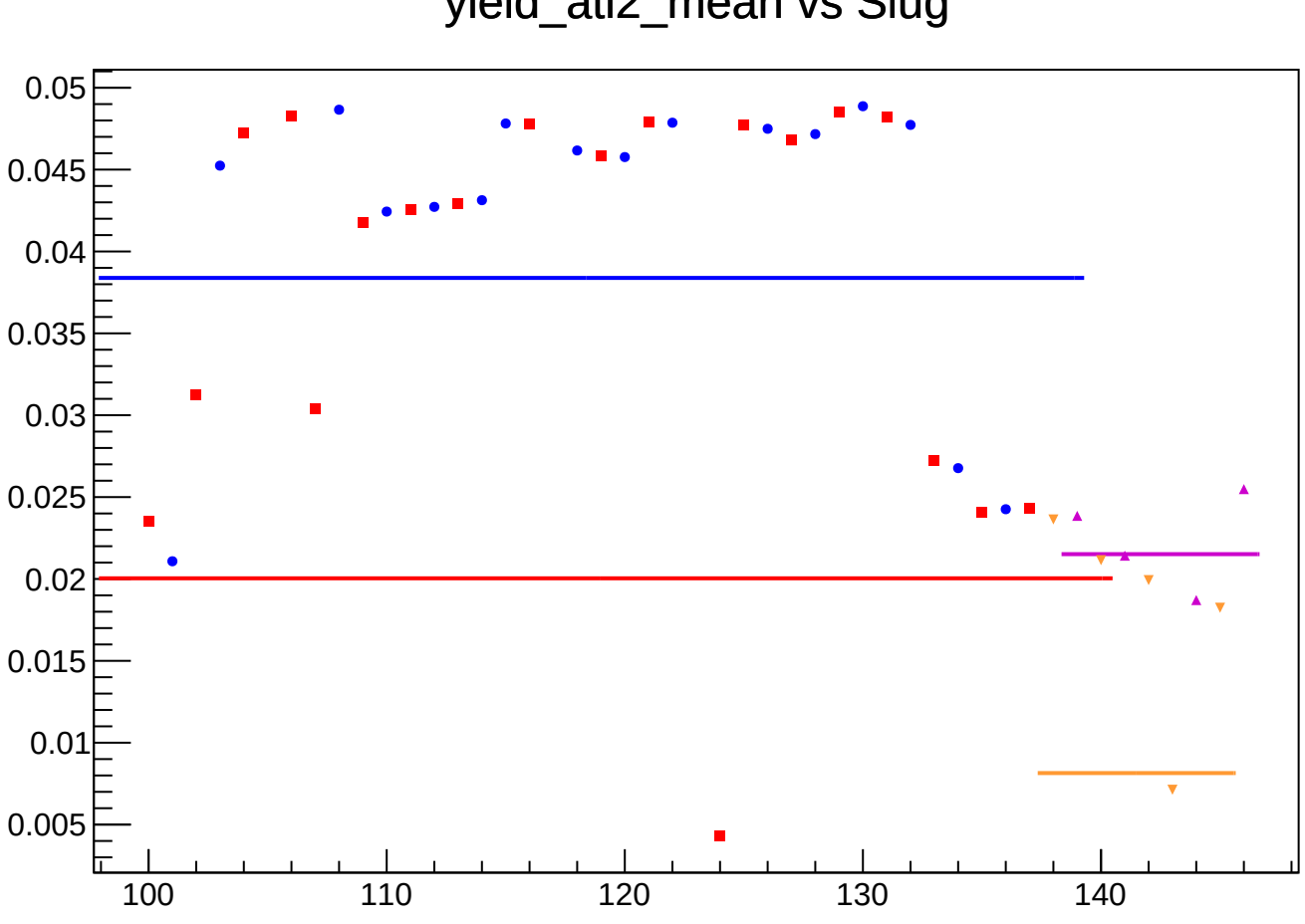
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:40702.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 1019666.8/20

All: 0.000+/-0.000 χ^2/NDF: 6599197.4/43

- sign 0.000+/-0.000 χ^2/NDF: 4819665.0/22



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:5969047359.8/4

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

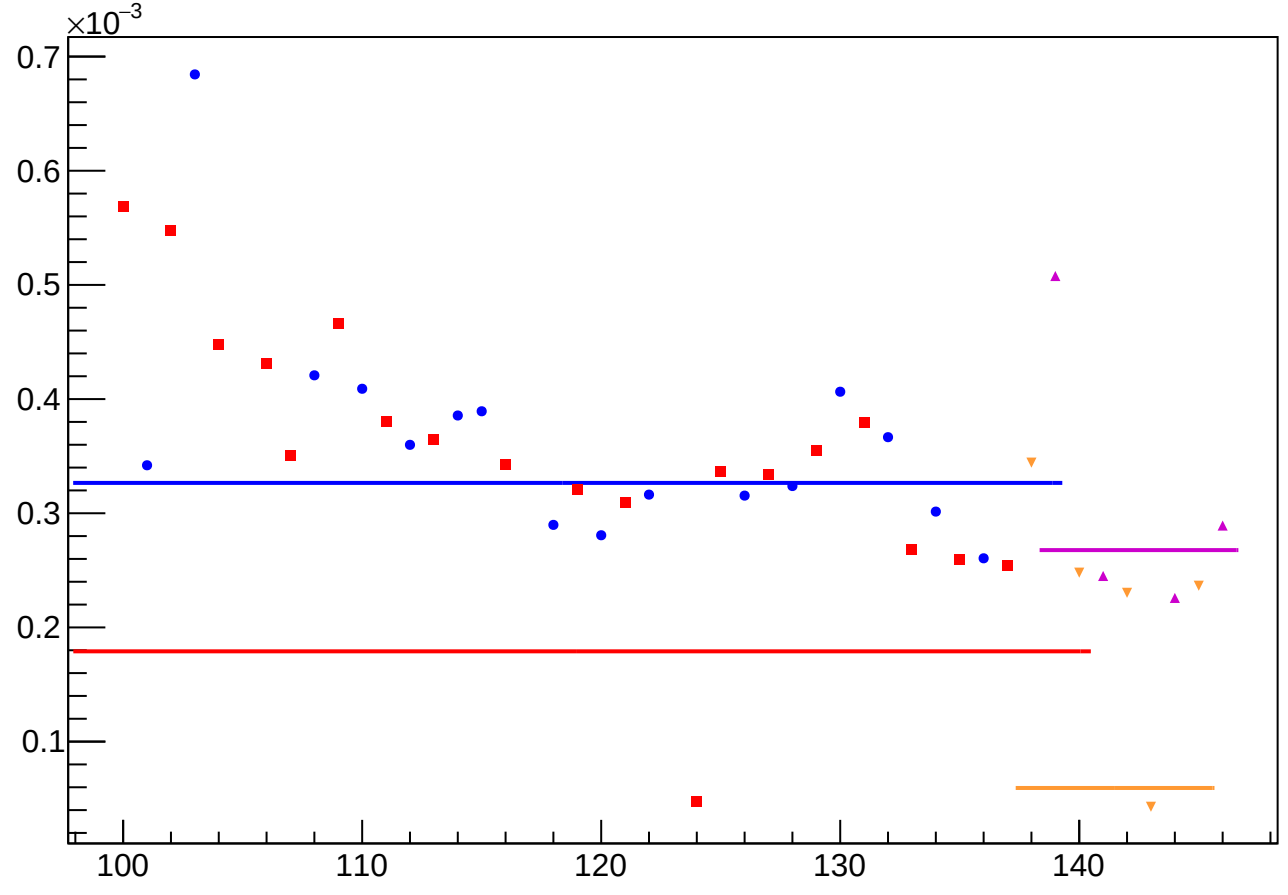
Left In: 0.022+/-0.000 χ^2/NDF:294247091.5/3

+ sign 0.012+/-0.000 χ^2/NDF: 61148731688.3/20

All: 0.014+/-0.000 χ^2/NDF: 113585709804.9

- sign 0.020+/-0.000 χ^2/NDF: 42546560371.1/22

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:3164979.2/4

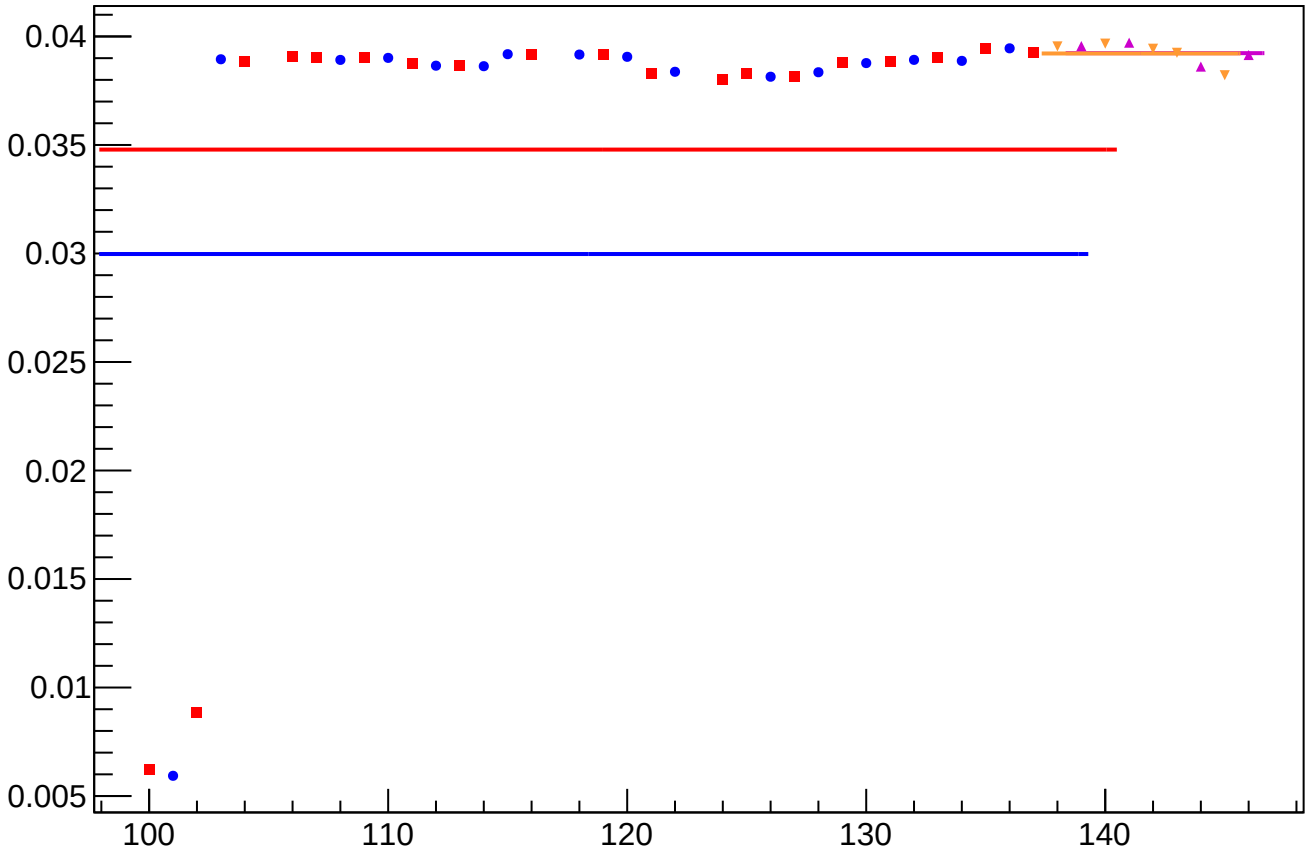
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:435481.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 11258408.5/20

All: 0.000+/-0.000 χ^2/NDF: 20994578.7/43

- sign 0.000+/-0.000 χ^2/NDF: 6582146.6/22



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:46871614.8/4

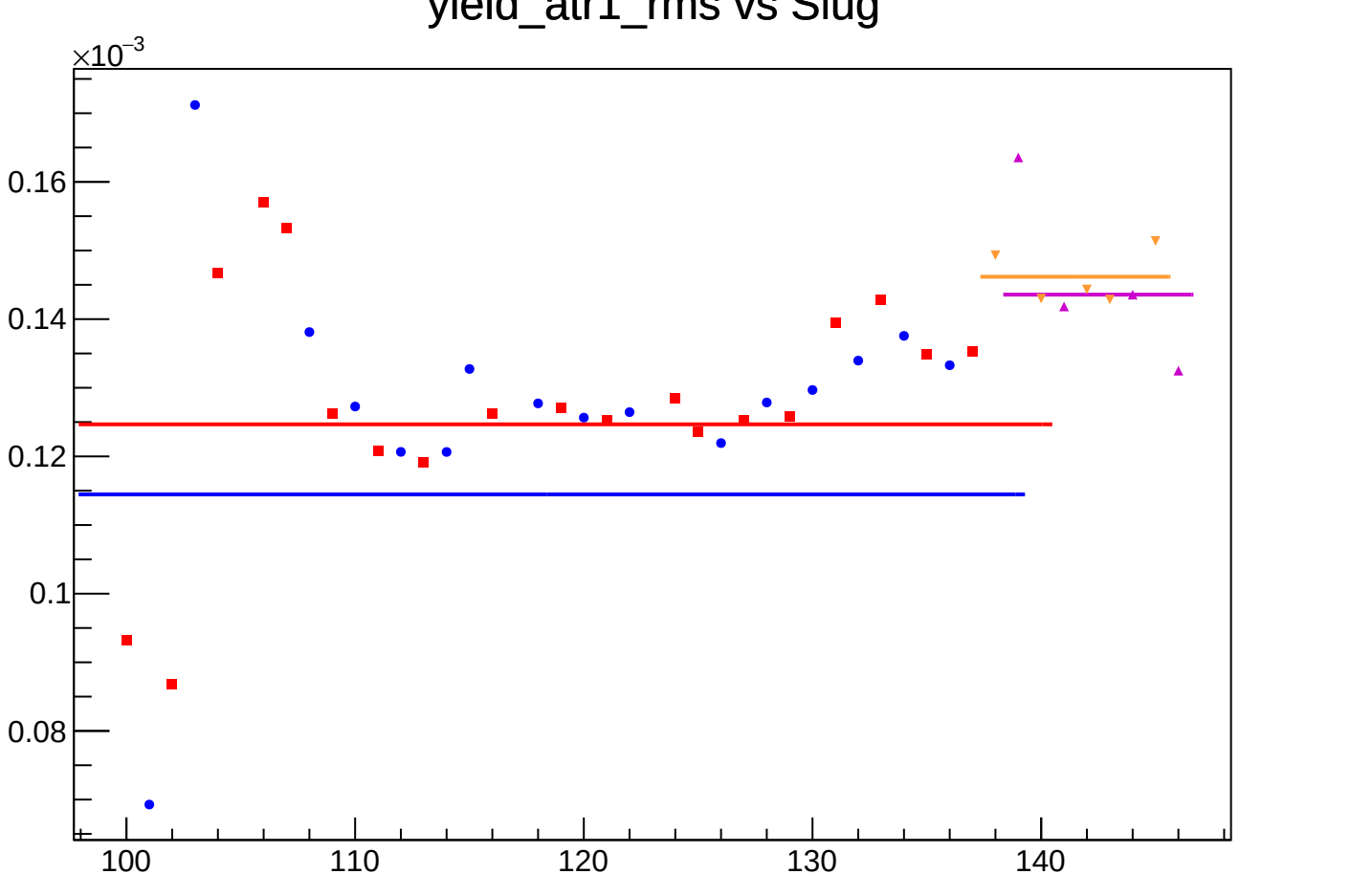
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:29468505.6/3

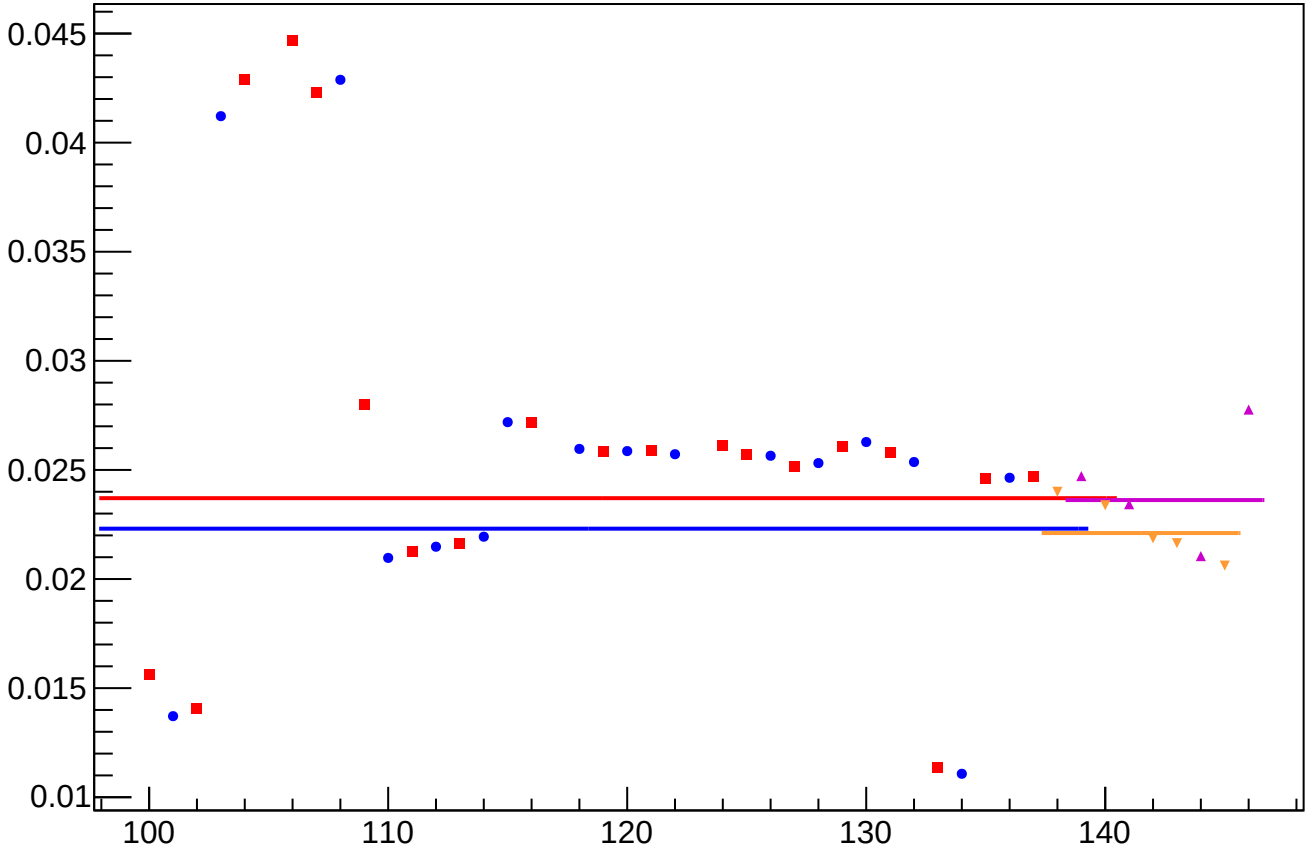
+ sign 0.032+/-0.000 χ^2/NDF: 118907388338.8/20

All: 0.034+/-0.000 χ^2/NDF: 173051656237.9

- sign 0.036+/-0.000 χ^2/NDF: 49656658649.3/22


yield_atr1_rms vs Slug
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4259.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:36996.5/3
+ sign 0.000+/-0.000 χ²/NDF: 1106785.4/20
All: 0.000+/-0.000 χ²/NDF: 1525978.3/43
- sign 0.000+/-0.000 χ²/NDF: 382894.3/22

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.022+/-0.000 χ^2/NDF:78543566.5/4

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

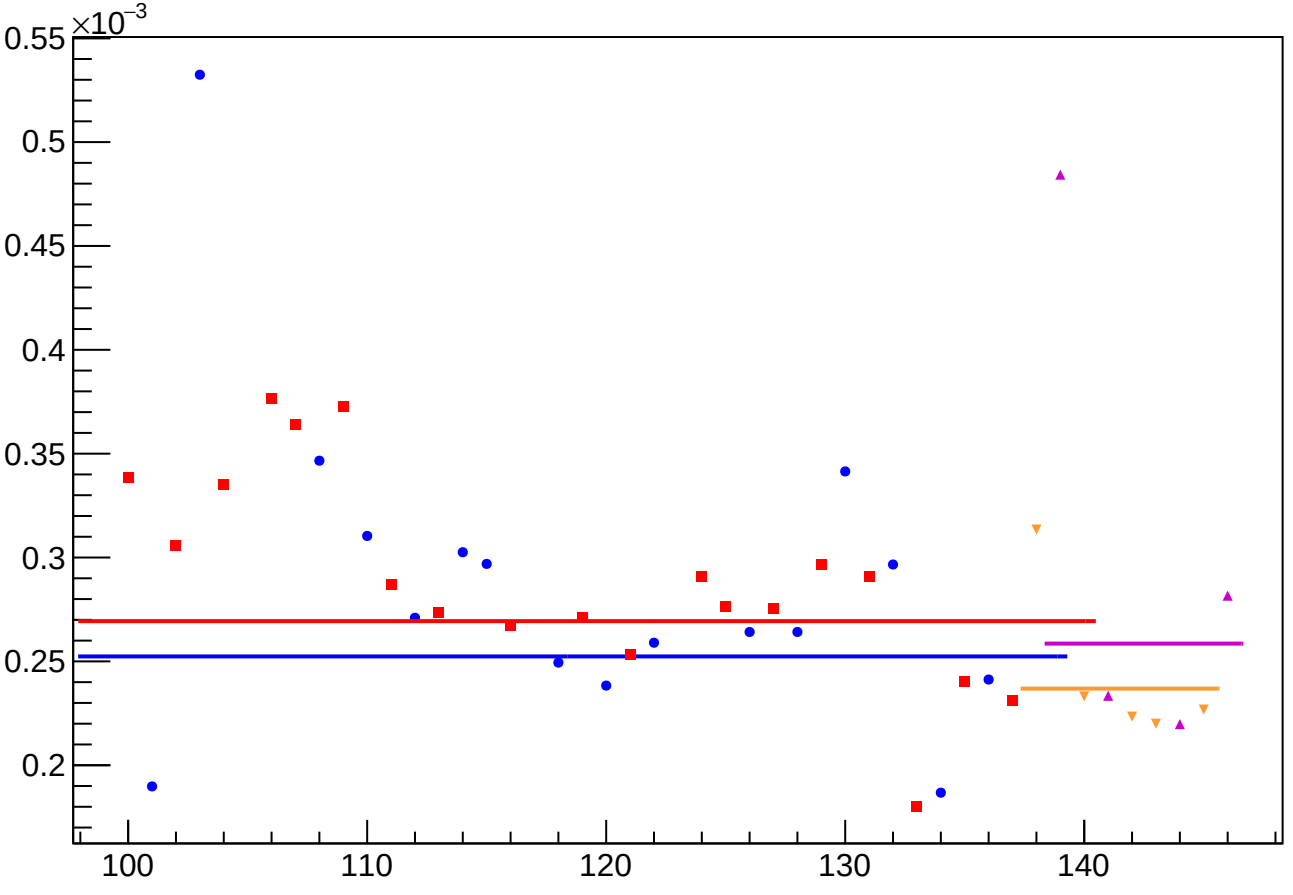
Left In: 0.024+/-0.000 χ^2/NDF:292435929.5/3

+ sign 0.022+/-0.000 χ^2/NDF: 5092442530.4/20

All: 0.023+/-0.000 χ^2/NDF: 11115327297.2/4

- sign 0.024+/-0.000 χ^2/NDF: 5874525927.6/22

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:95218.2/4

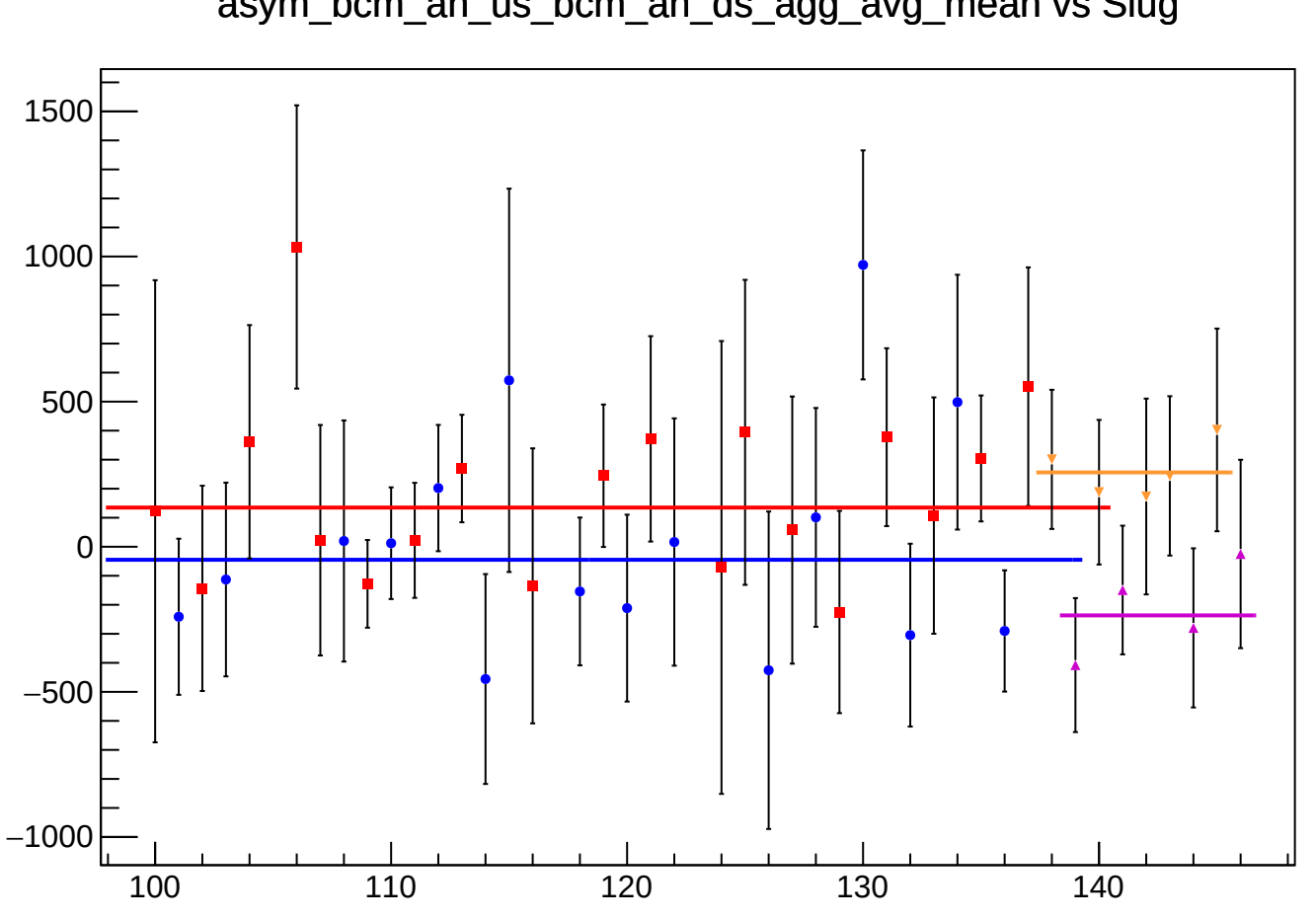
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:432545.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 819956.1/20

All: 0.000+/-0.000 χ^2/NDF: 1756981.4/43

- sign 0.000+/-0.000 χ^2/NDF: 885892.0/22



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 256.049+/-125.223 χ^2/NDF:0.3/4

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

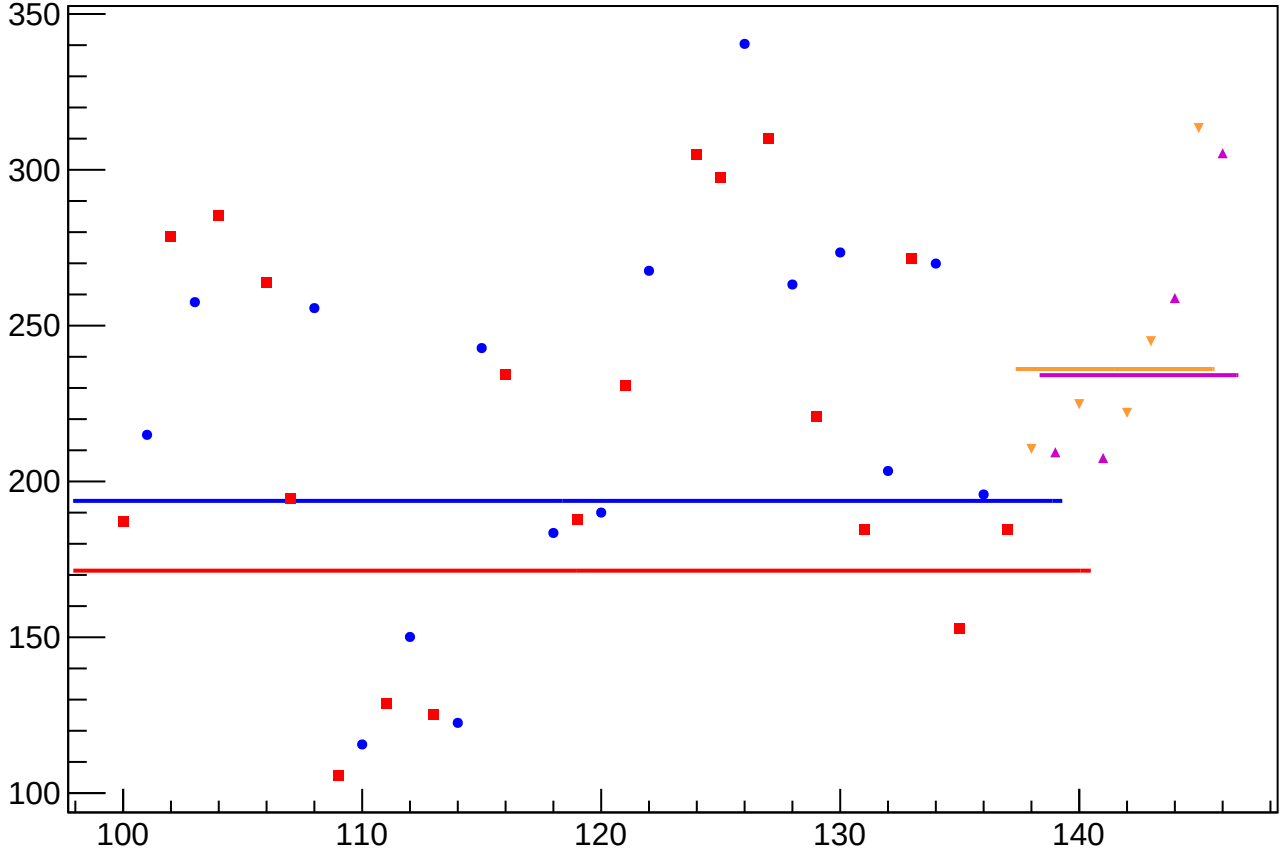
Left In: -236.541+/-127.093 χ^2/NDF:1.2/3

\+ sign 36.409+/-65.094 χ^2/NDF: 20.0/20

All: 44.941+/-44.117 χ^2/NDF: 40.8/43

\- sign 52.190+/-60.000 χ^2/NDF: 20.7/22

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: 236.097+/-0.089 χ^2/NDF:130586.9/4

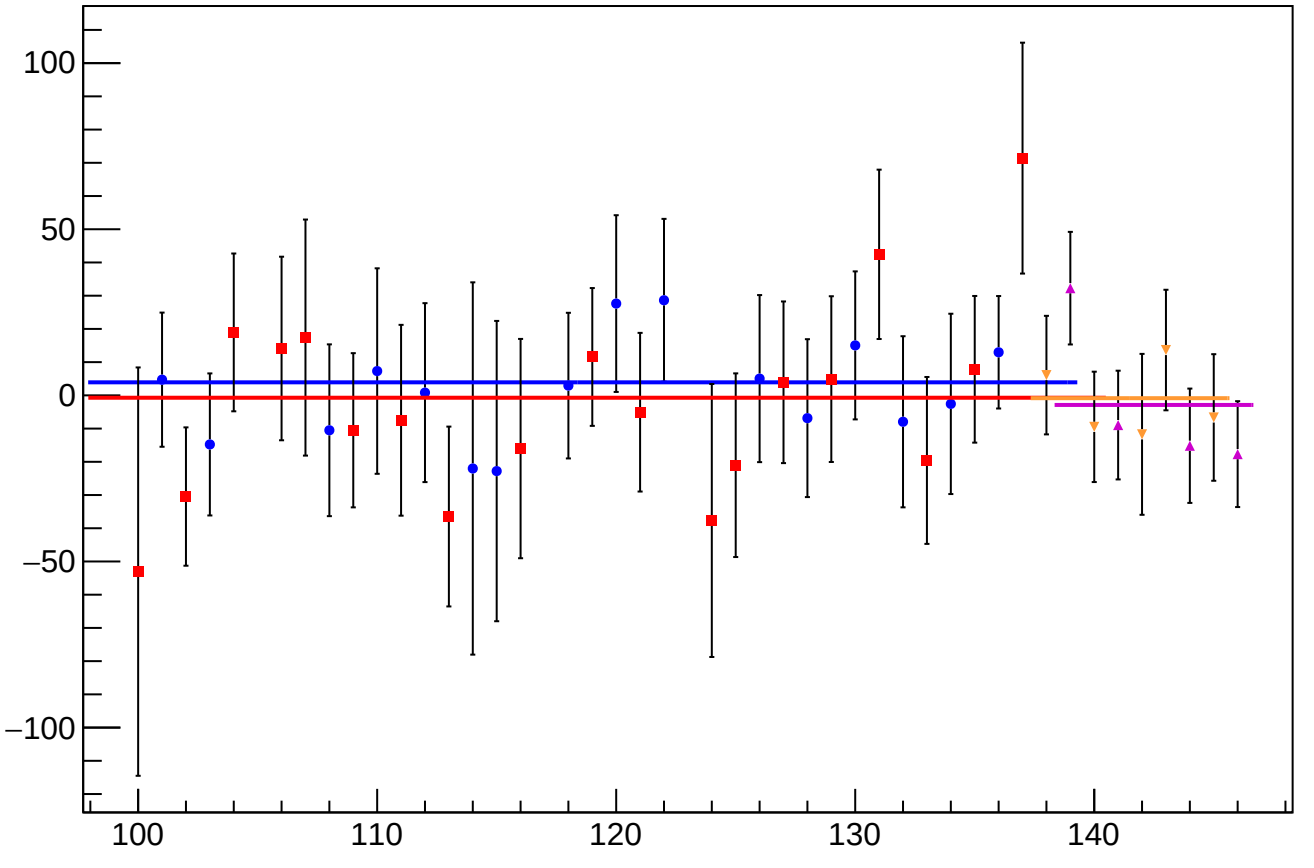
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 234.115+/-0.090 χ^2/NDF:164303.9/3

+ sign 205.206+/-0.046 χ^2/NDF: 1345455.4/20

All: 194.478+/-0.031 χ^2/NDF: 3646996.2/43

- sign 185.363+/-0.042 χ^2/NDF: 2201068.0/22



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -0.849+/-8.373 χ^2/NDF:1.4/4

Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

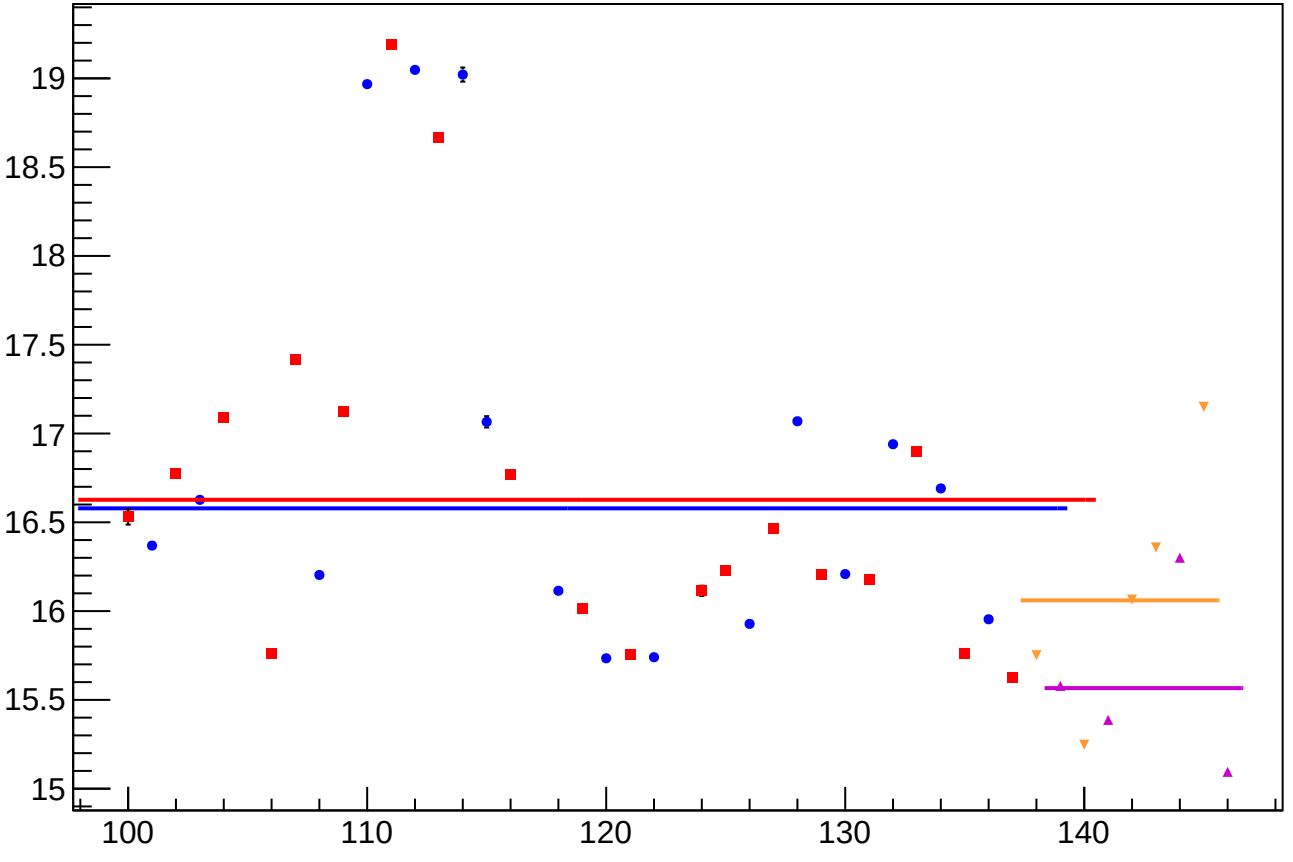
Left In: -2.884+/-8.295 χ^2/NDF:5.8/3

+ sign 2.243+/-4.968 χ^2/NDF: 6.1/20

All: 0.361+/-3.489 χ^2/NDF: 28.1/43

- sign -1.472+/-4.902 χ^2/NDF: 21.8/22

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 16.060+/-0.006 χ^2/NDF:12477.9/4

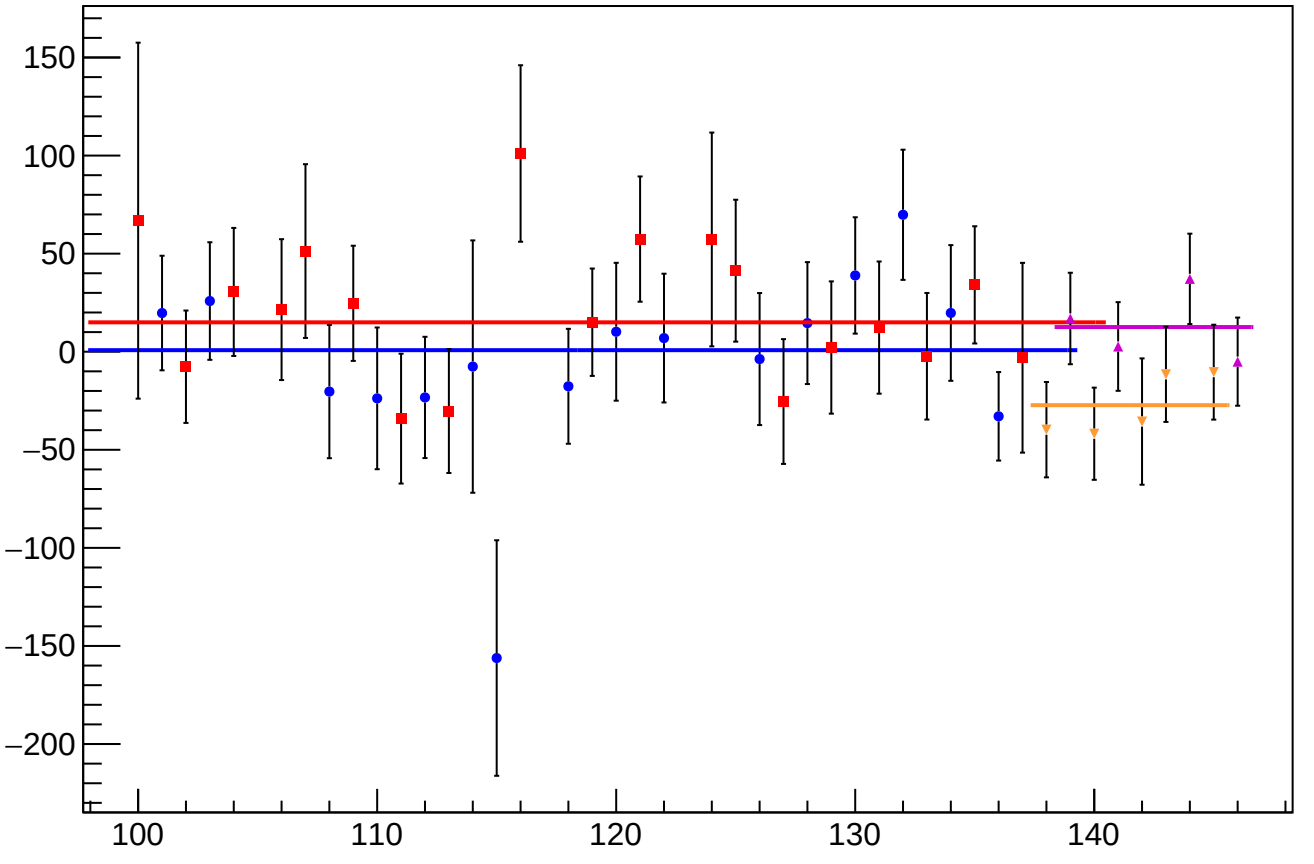
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.566+/-0.006 χ^2/NDF:5634.4/3

\+ sign 16.396+/-0.004 χ^2/NDF: 62019.0/20

All: 16.325+/-0.002 χ^2/NDF: 133189.6/43

\- sign 16.257+/-0.003 χ^2/NDF: 70370.2/22



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -27.259+/-11.269 χ^2/NDF:1.6/4

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

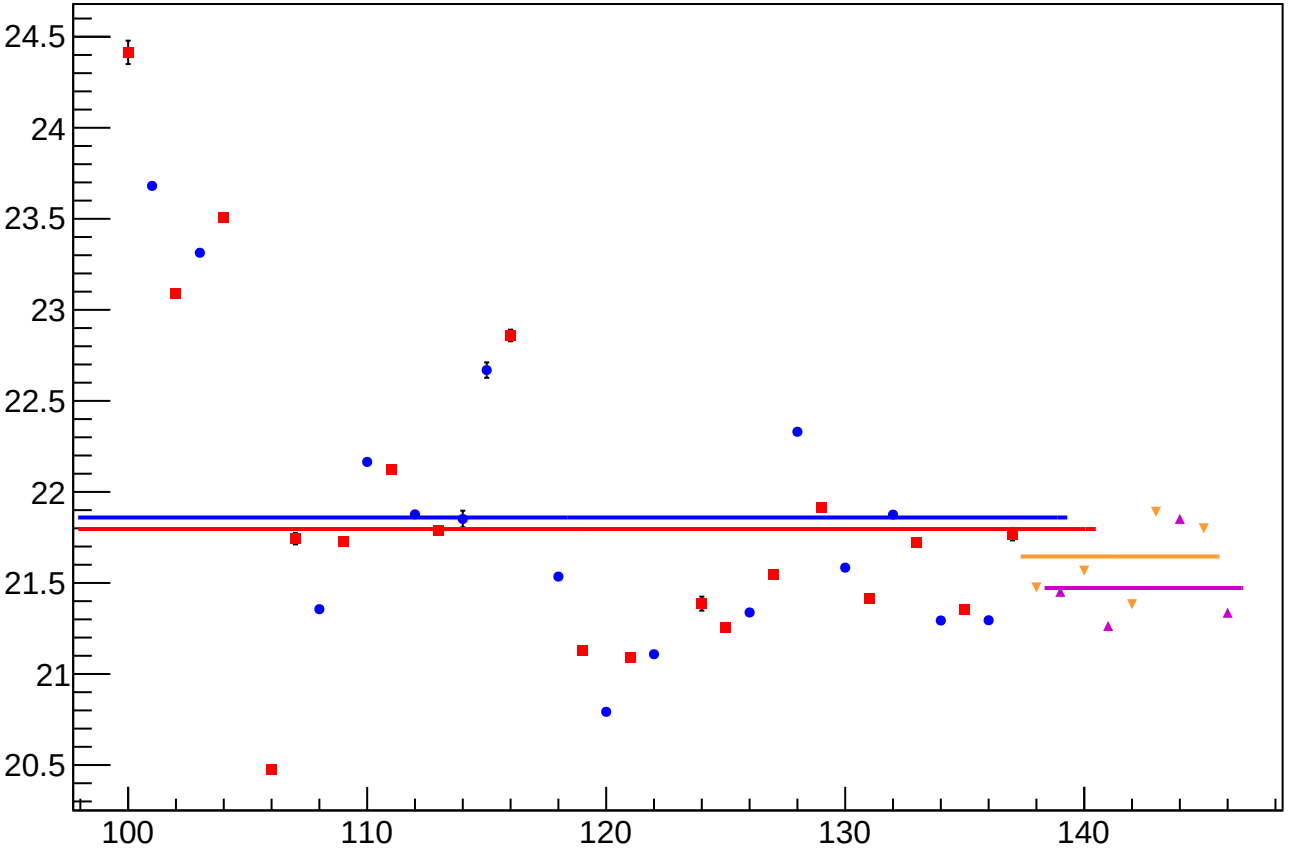
Left In: 12.576+/-11.426 χ^2/NDF:2.0/3

\+ sign -8.804+/-6.590 χ^2/NDF: 24.3/20

All: 2.806+/-4.638 χ^2/NDF: 47.9/43

\- sign 14.196+/-6.528 χ^2/NDF: 17.4/22

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: 21.645+/-0.008 χ^2/NDF:538.7/4

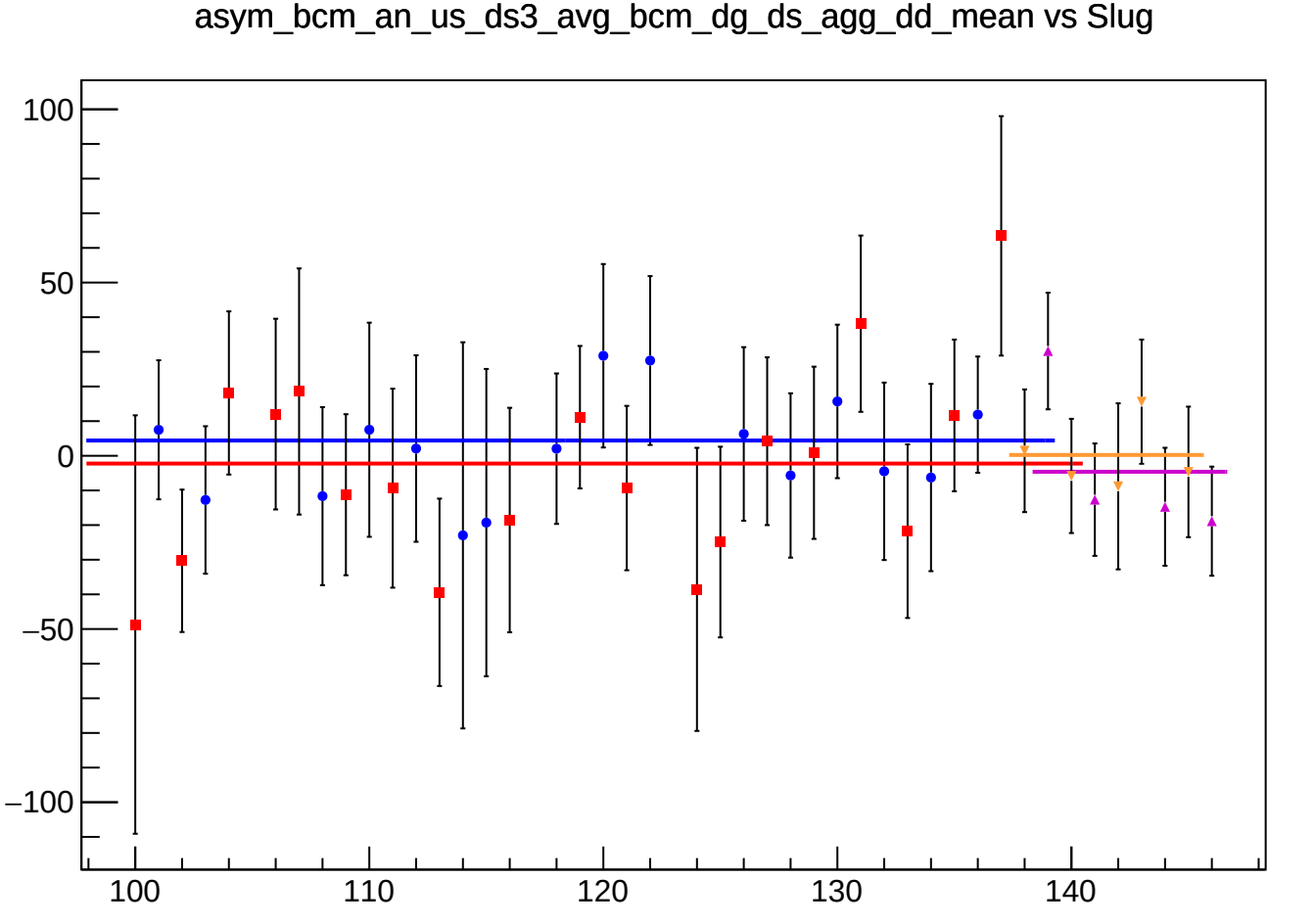
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.472+/-0.008 χ^2/NDF:788.4/3

+ sign 21.786+/-0.005 χ^2/NDF: 20482.5/20

All: 21.738+/-0.003 χ^2/NDF: 41428.8/43

- sign 21.690+/-0.005 χ^2/NDF: 20733.0/22



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.230+/-8.293 χ^2/NDF:1.1/4

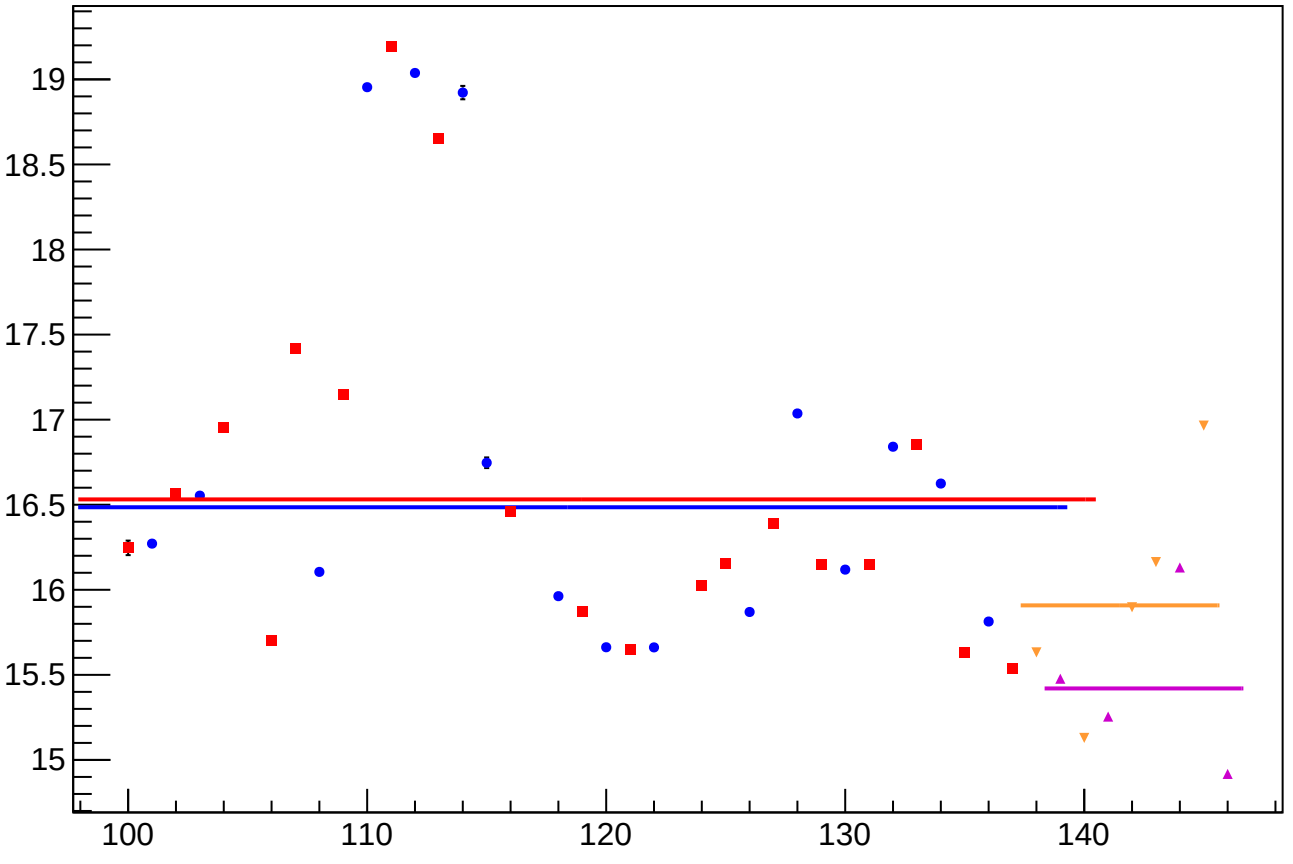
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -4.611+/-8.217 χ^2/NDF:5.7/3

+ sign 2.927+/-4.933 χ^2/NDF: 5.5/20

All: -0.114+/-3.465 χ^2/NDF: 27.4/43

- sign -3.074+/-4.868 χ^2/NDF: 21.1/22



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.908+/-0.006 χ^2/NDF:11646.9/4

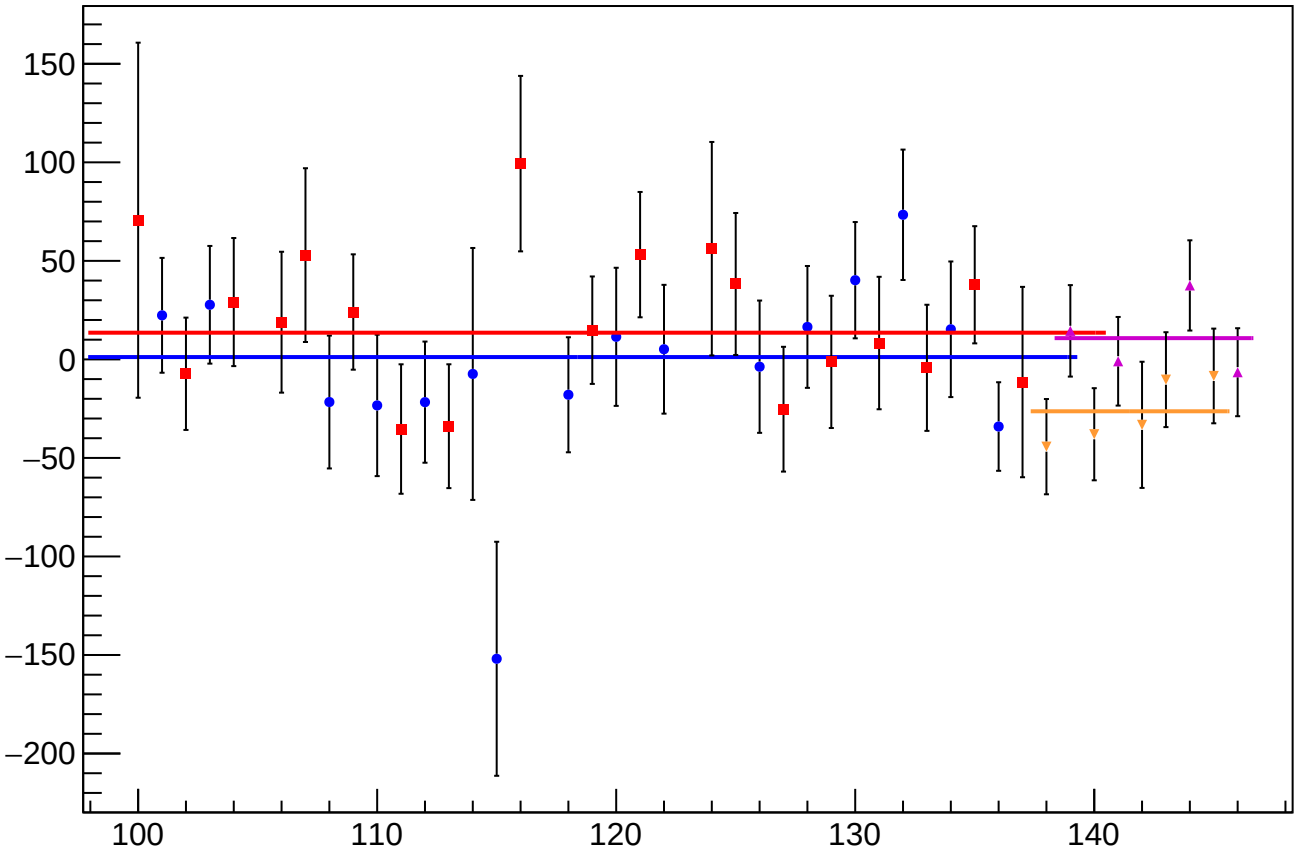
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.420+/-0.006 χ^2/NDF:5754.0/3

\+ sign 16.281+/-0.003 χ^2/NDF: 65082.4/20

All: 16.210+/-0.002 χ^2/NDF: 141857.6/43

\- sign 16.141+/-0.003 χ^2/NDF: 75962.8/22



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -26.332+/-11.198 χ^2/NDF:1.8/4

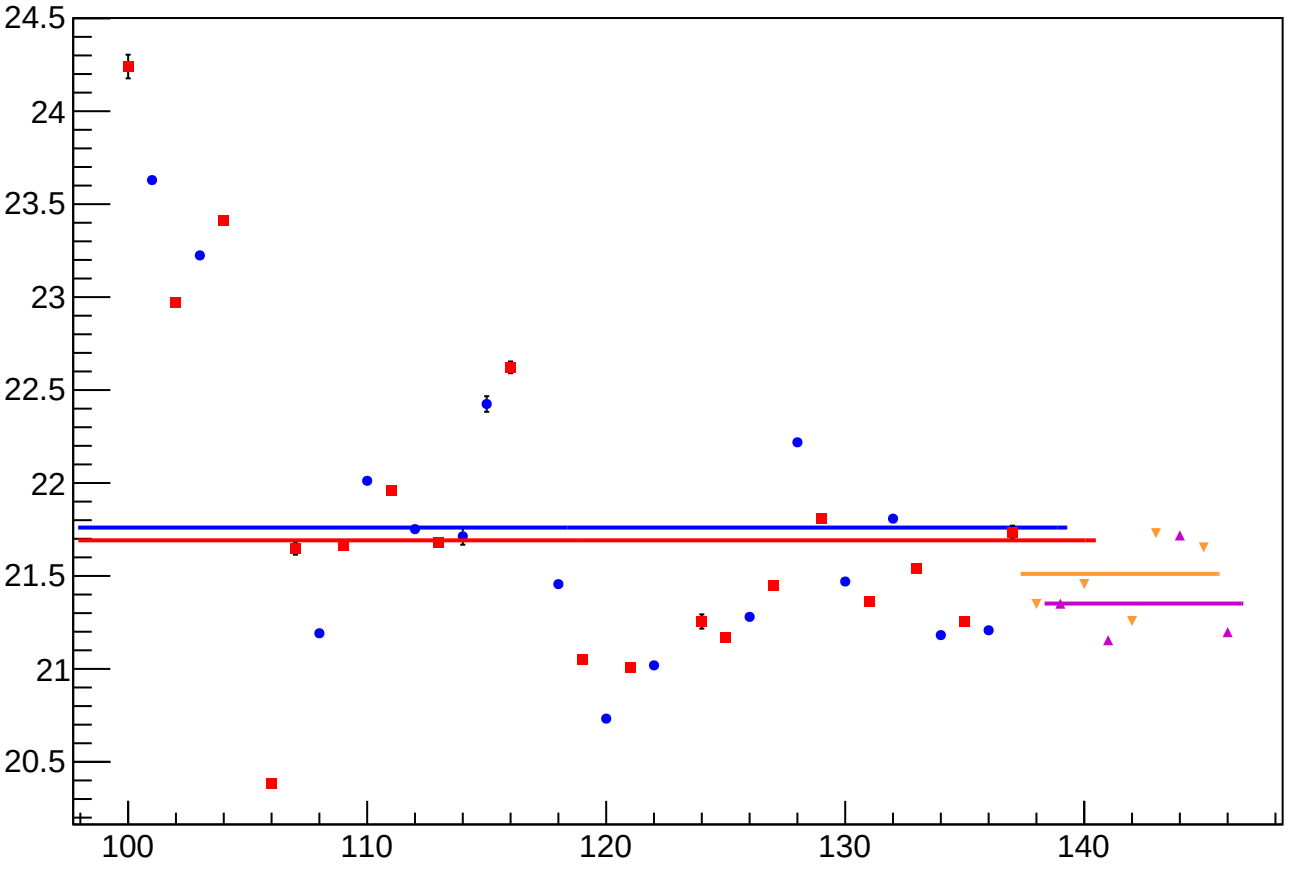
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 10.787+/-11.362 χ^2/NDF:2.3/3

\+ sign -8.248+/-6.557 χ^2/NDF: 25.2/20

All: 2.298+/-4.614 χ^2/NDF: 48.6/43

\- sign 12.646+/-6.494 χ^2/NDF: 18.2/22



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.511+/-0.008 χ^2/NDF:461.6/4

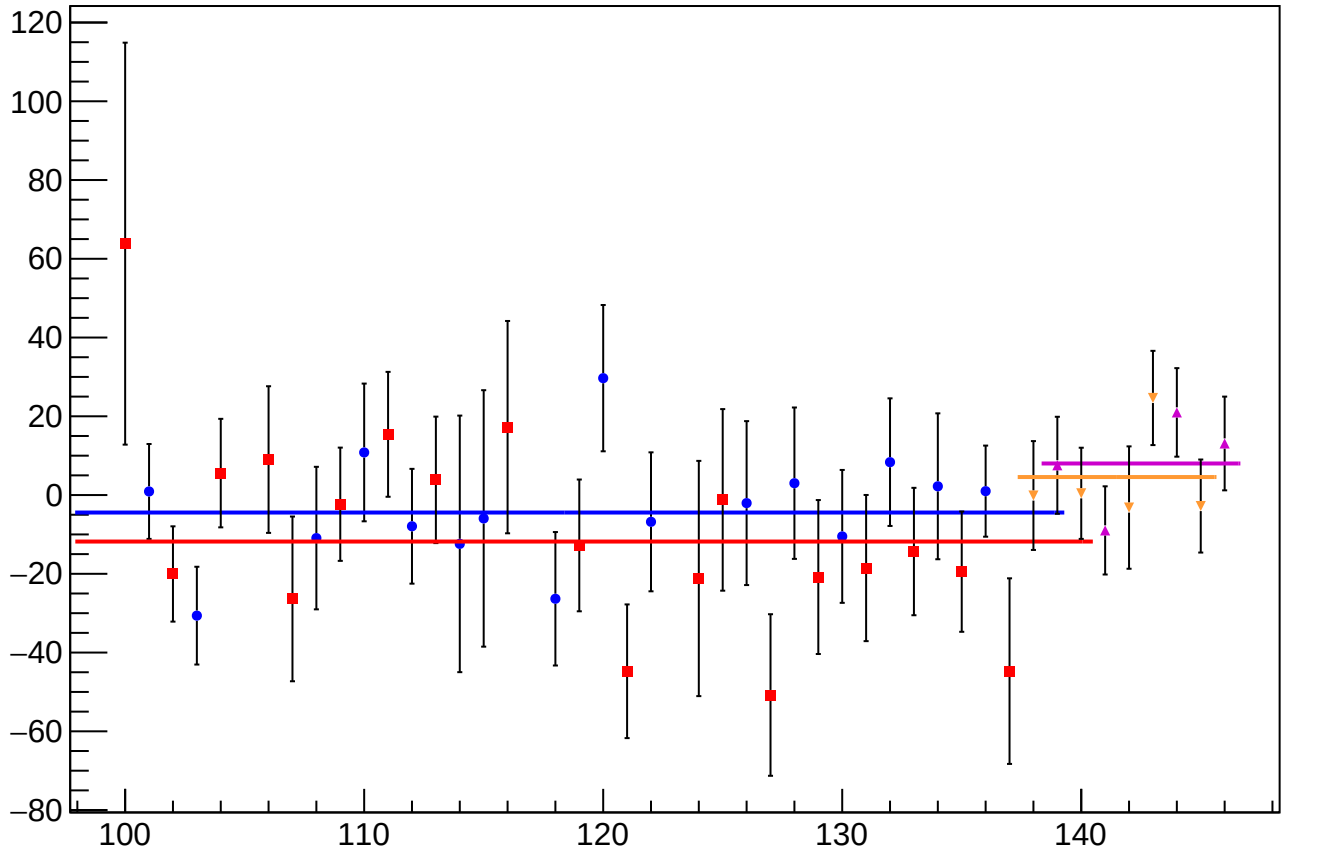
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.351+/-0.008 χ^2/NDF:761.0/3

\+ sign 21.675+/-0.005 χ^2/NDF: 20858.0/20

All: 21.627+/-0.003 χ^2/NDF: 41365.3/43

\- sign 21.580+/-0.005 χ^2/NDF: 20298.0/22



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 4.573+/-5.681 χ^2/NDF:3.7/4

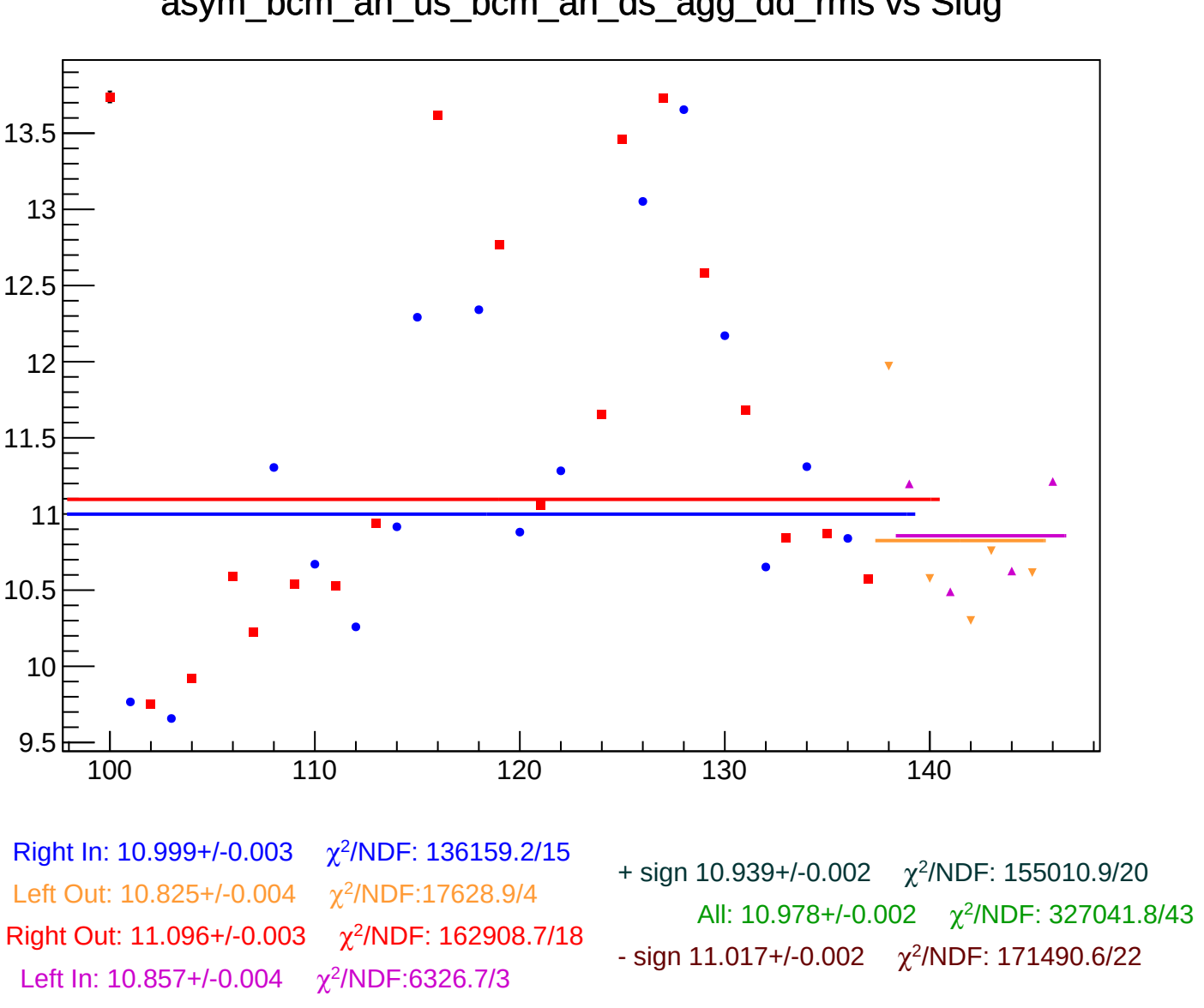
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

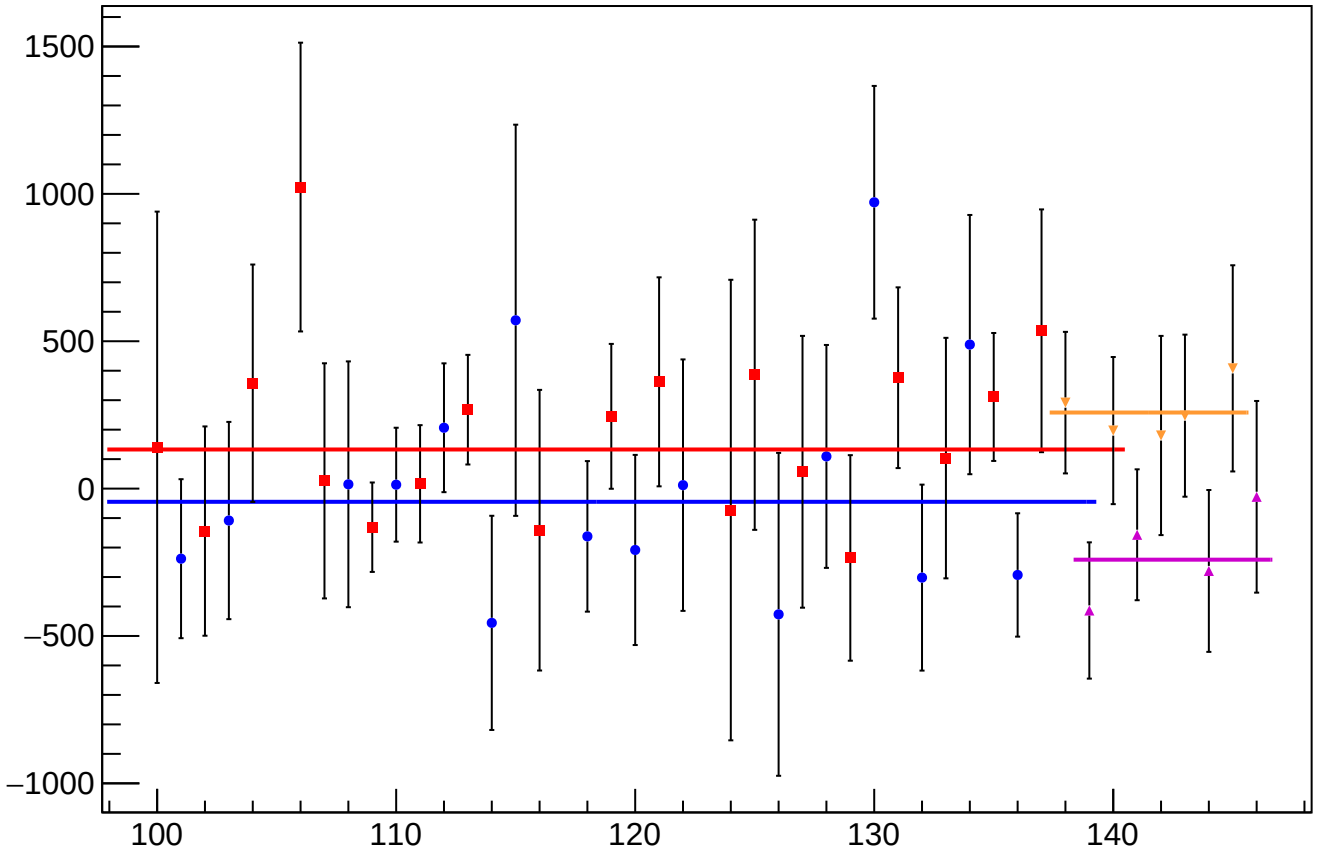
Left In: 8.015+/-5.819 χ^2/NDF:3.8/3

+ sign -1.323+/-3.341 χ^2/NDF: 17.3/20

All: -3.274+/-2.366 χ^2/NDF: 51.3/43

- sign -5.236+/-3.350 χ^2/NDF: 33.3/22


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
100
110
120
130
140
Right In: 10.999+/-0.003 χ²/NDF: 136159.2/15
Left Out: 10.825+/-0.004 χ²/NDF:17628.9/4
Right Out: 11.096+/-0.003 χ²/NDF: 162908.7/18
Left In: 10.857+/-0.004 χ²/NDF:6326.7/3
+ sign 10.939+/-0.002 χ²/NDF: 155010.9/20
All: 10.978+/-0.002 χ²/NDF: 327041.8/43
- sign 11.017+/-0.002 χ²/NDF: 171490.6/22



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 258.130+/-125.440 χ^2/NDF:0.3/4

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

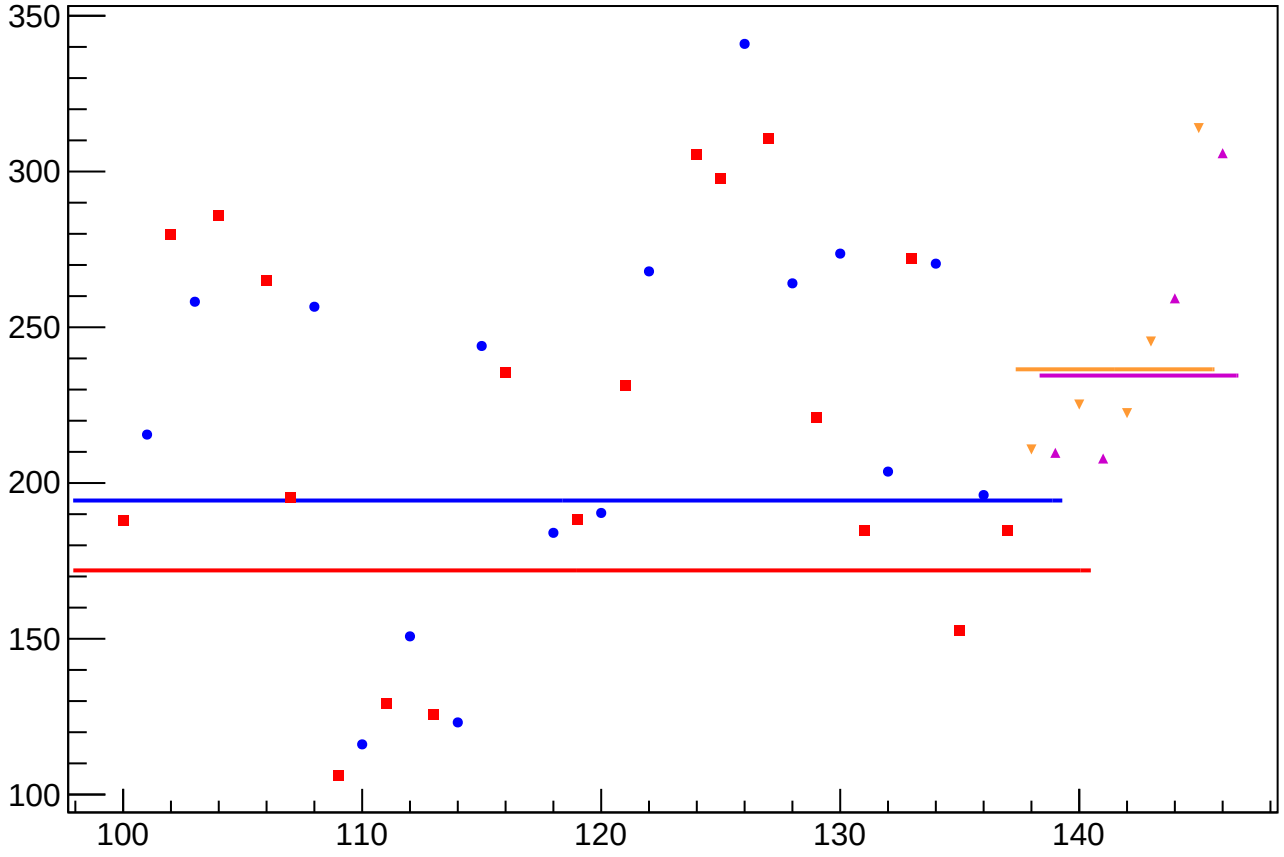
Left In: -241.147+/-127.305 χ^2/NDF:1.2/3

+ sign 37.206+/-65.265 χ^2/NDF: 20.0/20

All: 43.702+/-44.236 χ^2/NDF: 40.7/43

- sign 49.224+/-60.164 χ^2/NDF: 20.7/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 236.504+/-0.089 χ^2/NDF:130628.1/4

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

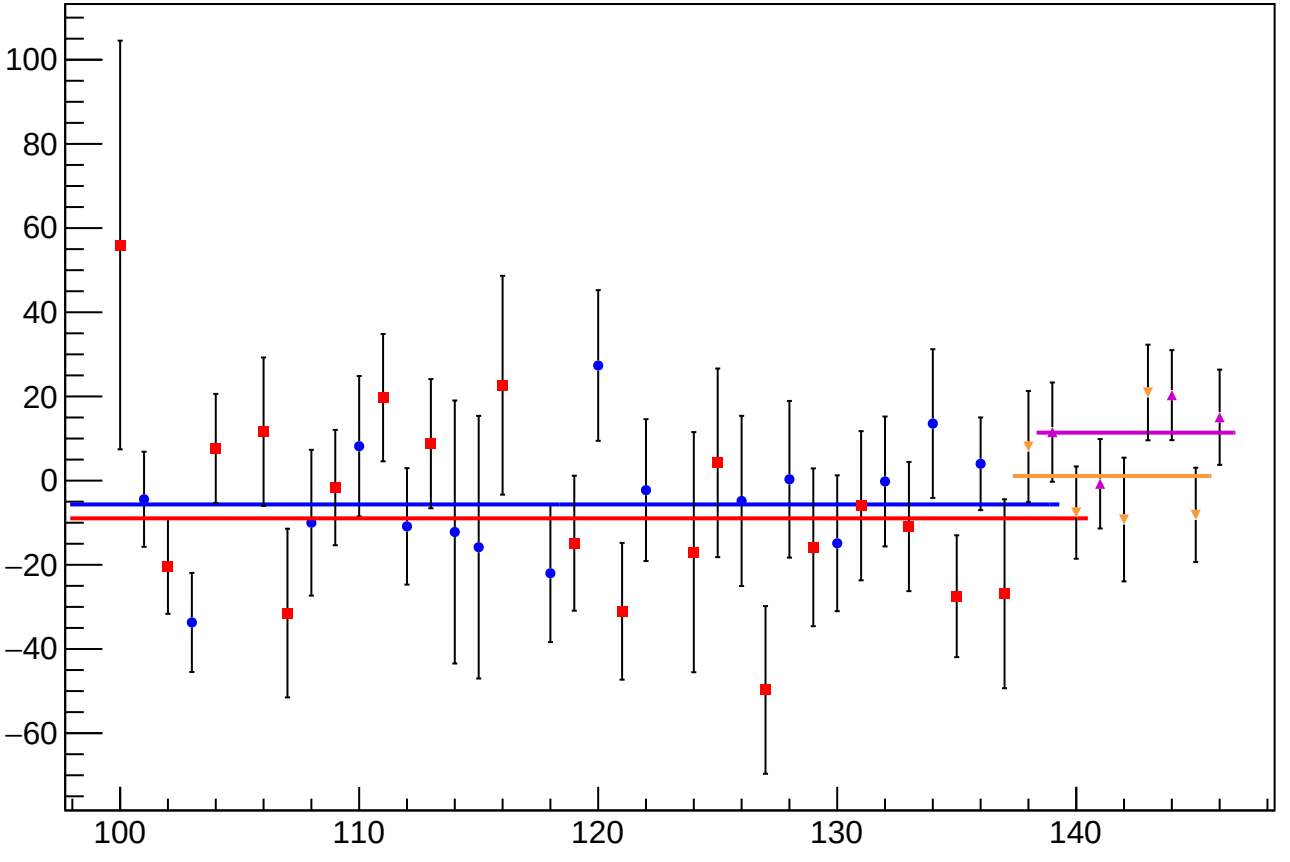
Left In: 234.502+/-0.090 χ^2/NDF:164464.3/3

+ sign 205.787+/-0.046 χ^2/NDF: 1337098.4/20

All: 195.047+/-0.031 χ^2/NDF: 3628114.5/43

- sign 185.920+/-0.043 χ^2/NDF: 2190833.7/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.101+/-5.393 χ^2/NDF:5.1/4

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

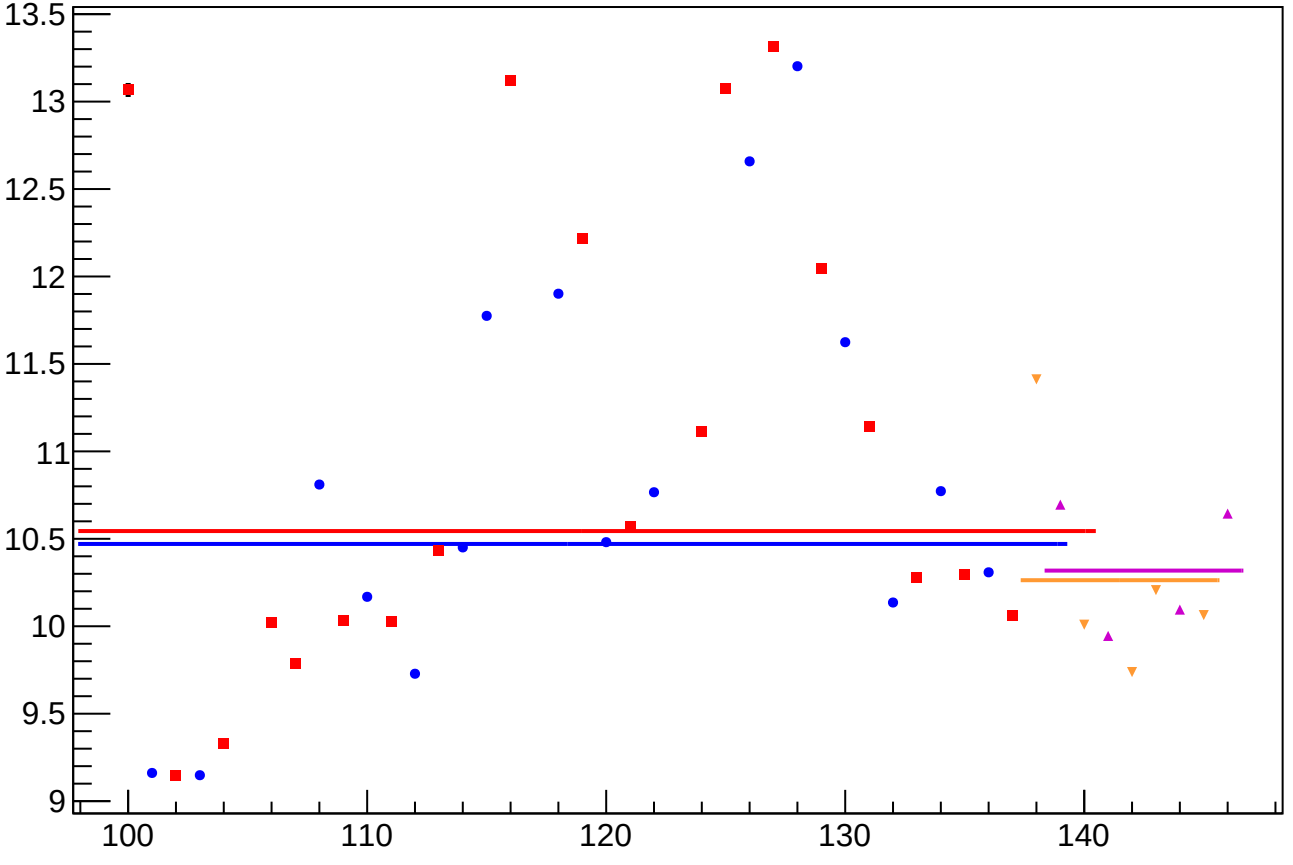
Left In: 11.397+/-5.537 χ^2/NDF:2.1/3

+ sign -3.306+/-3.181 χ^2/NDF: 19.8/20

All: -2.758+/-2.252 χ^2/NDF: 53.8/43

- sign -2.208+/-3.189 χ^2/NDF: 33.9/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.263+/-0.004 χ^2/NDF:19419.0/4

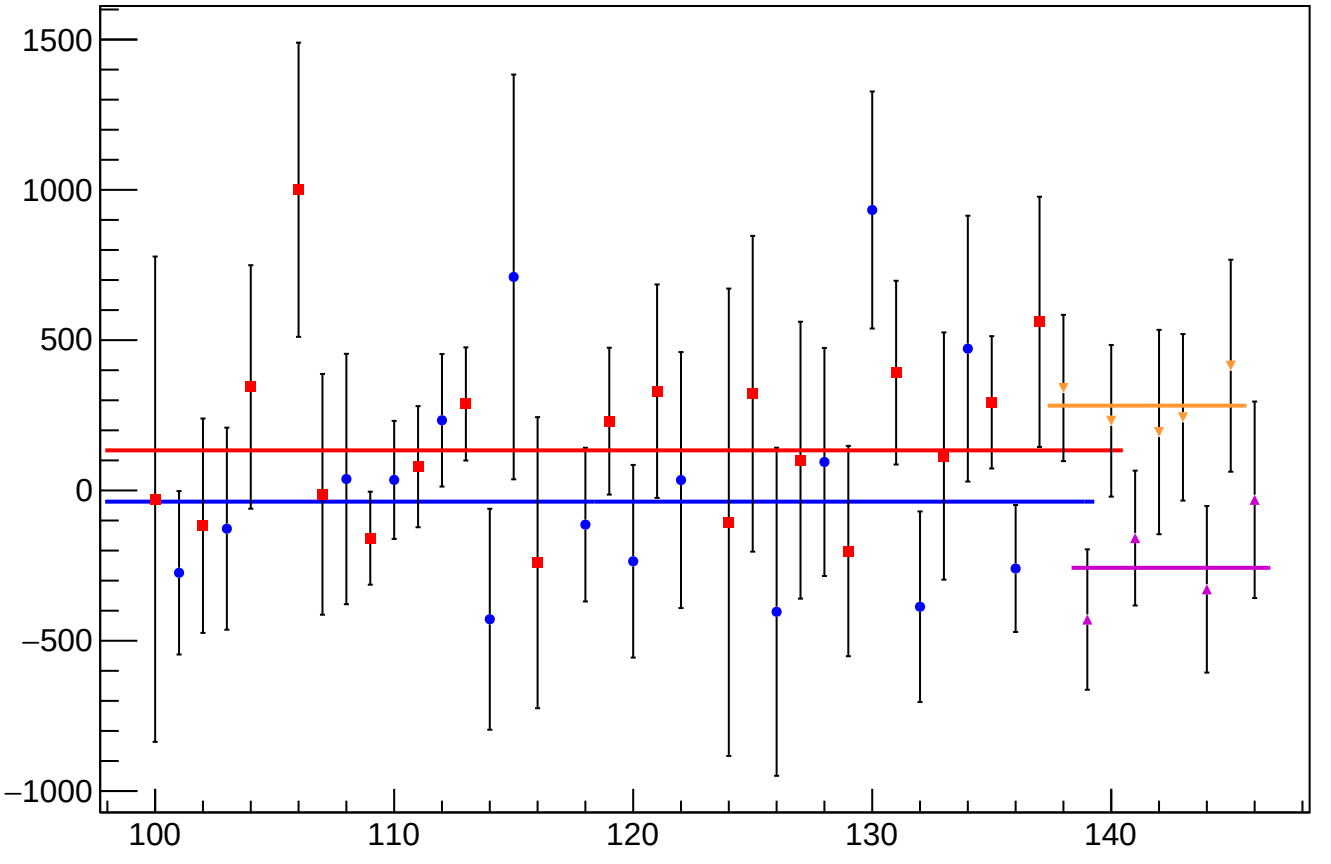
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.318+/-0.004 χ^2/NDF:7048.1/3

+ sign 10.398+/-0.002 χ^2/NDF: 178711.1/20

All: 10.434+/-0.002 χ^2/NDF: 375262.5/43

- sign 10.469+/-0.002 χ^2/NDF: 196056.0/22



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 282.165+/-126.648 χ^2/NDF:0.3/4

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

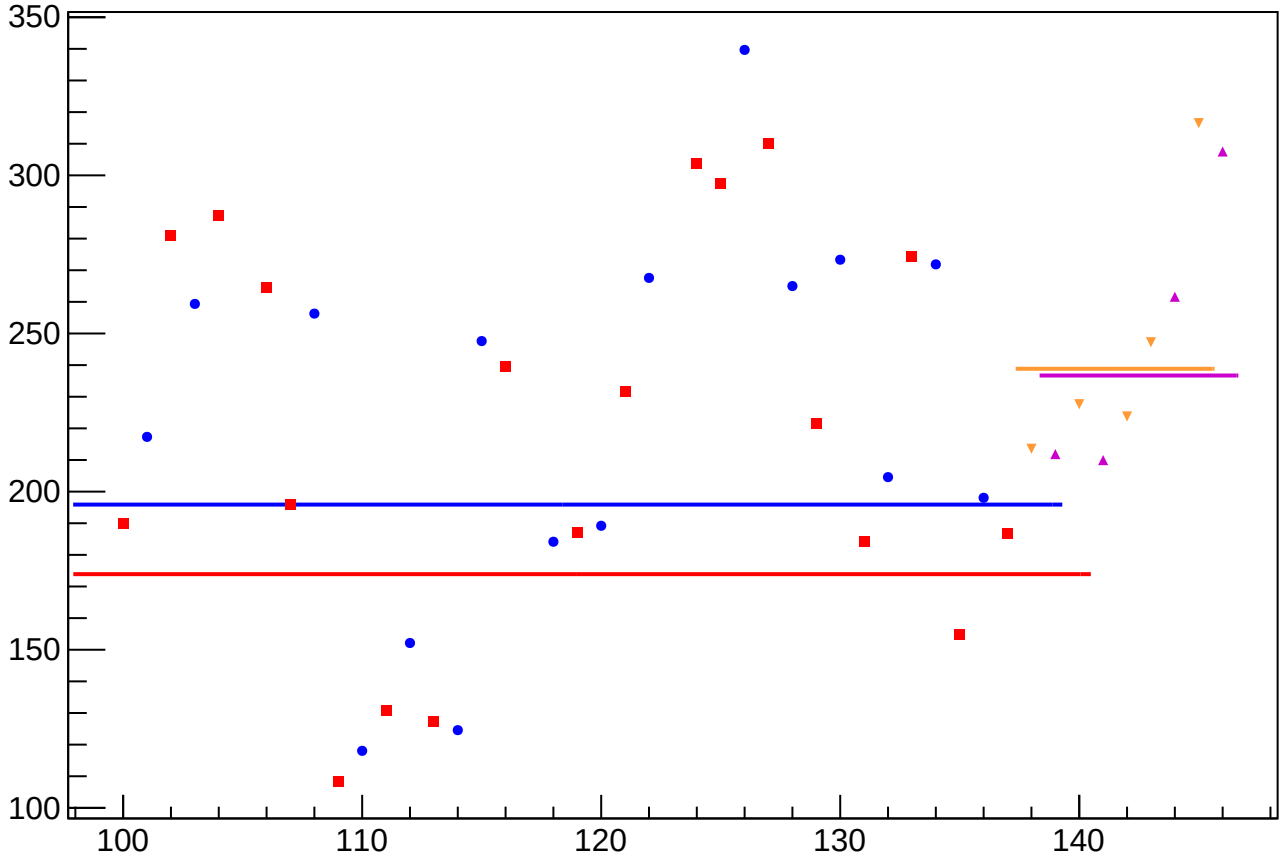
Left In: -257.340+/-128.457 χ^2/NDF:1.3/3

\+ sign 48.823+/-65.741 χ^2/NDF: 20.6/20

All: 47.364+/-44.600 χ^2/NDF: 42.0/43

\- sign 46.120+/-60.707 χ^2/NDF: 21.4/22

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 238.843+/-0.090 χ^2/NDF:128361.6/4

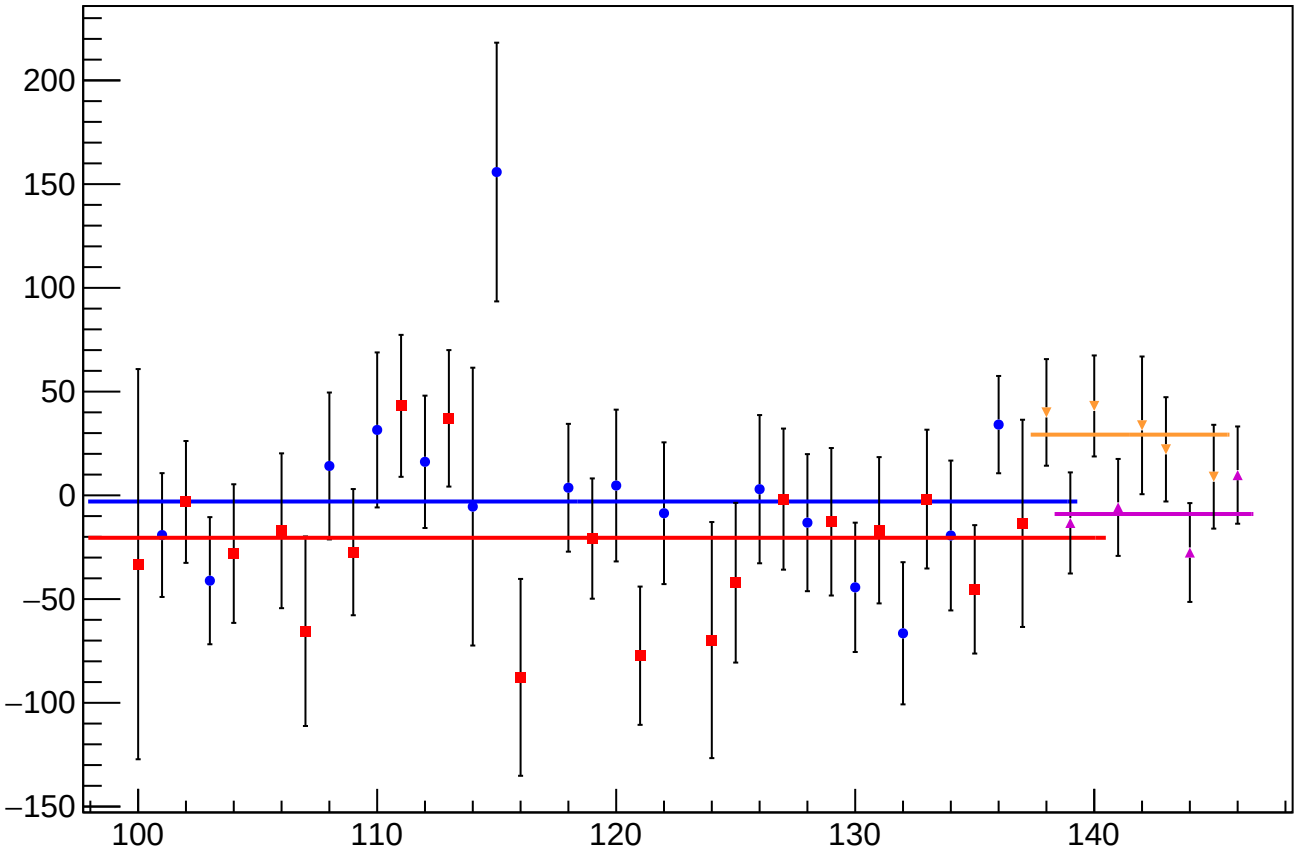
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 236.715+/-0.091 χ^2/NDF:161156.1/3

\+ sign 207.471+/-0.046 χ^2/NDF: 1307358.5/20

All: 196.924+/-0.032 χ^2/NDF: 3534905.1/43

\- sign 187.930+/-0.043 χ^2/NDF: 2132178.7/22



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 29.260+/-11.711 χ^2/NDF:1.3/4

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

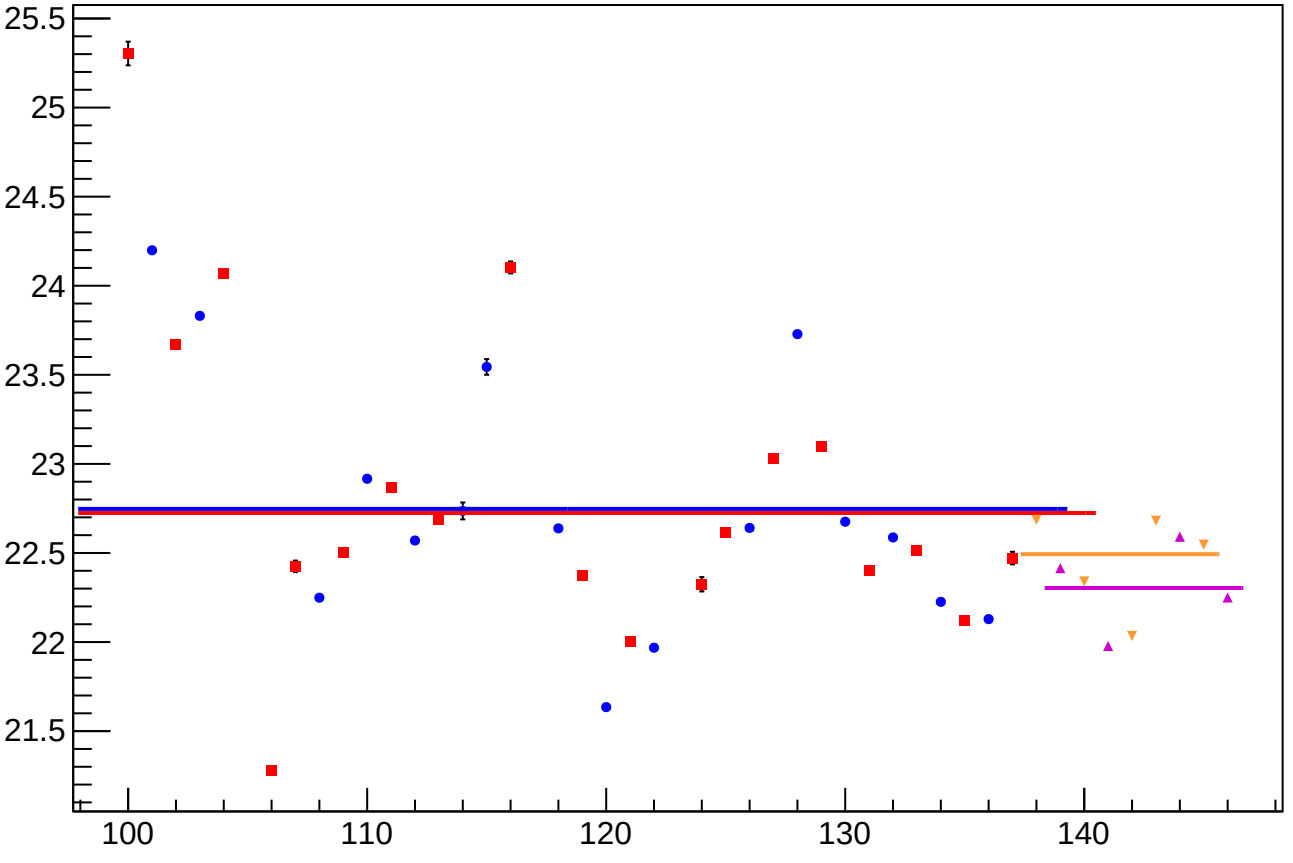
Left In: -8.995+/-11.869 χ^2/NDF:1.3/3

+ sign 8.073+/-6.855 χ^2/NDF: 24.2/20

All: -4.416+/-4.827 χ^2/NDF: 47.9/43

- sign -16.697+/-6.797 χ^2/NDF: 17.2/22

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.493+/-0.008 χ^2/NDF:695.4/4

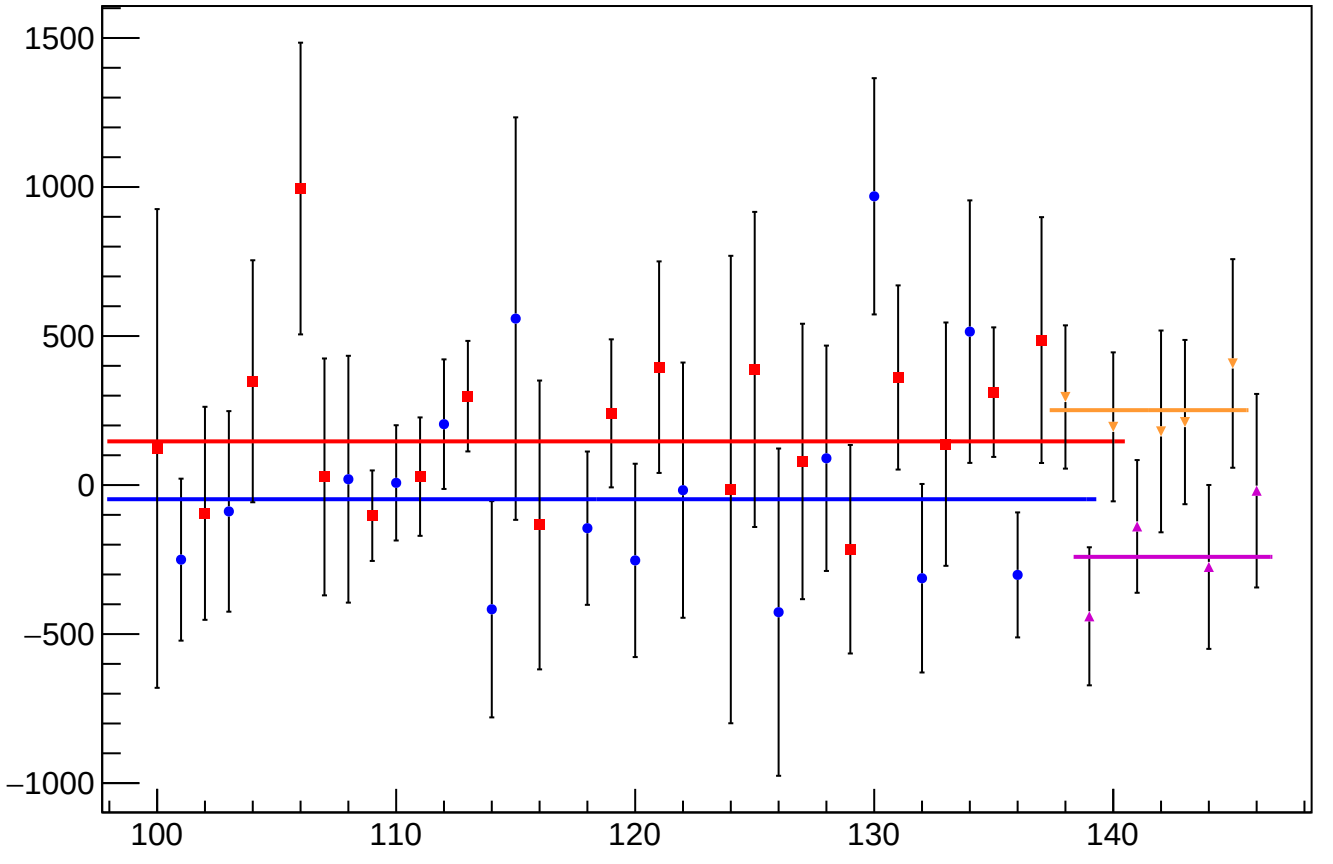
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.304+/-0.008 χ^2/NDF:732.6/3

+ sign 22.660+/-0.005 χ^2/NDF: 15937.6/20

All: 22.623+/-0.003 χ^2/NDF: 32966.7/43

- sign 22.586+/-0.005 χ^2/NDF: 16911.2/22



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 251.284+/-125.606 χ^2/NDF:0.3/4

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

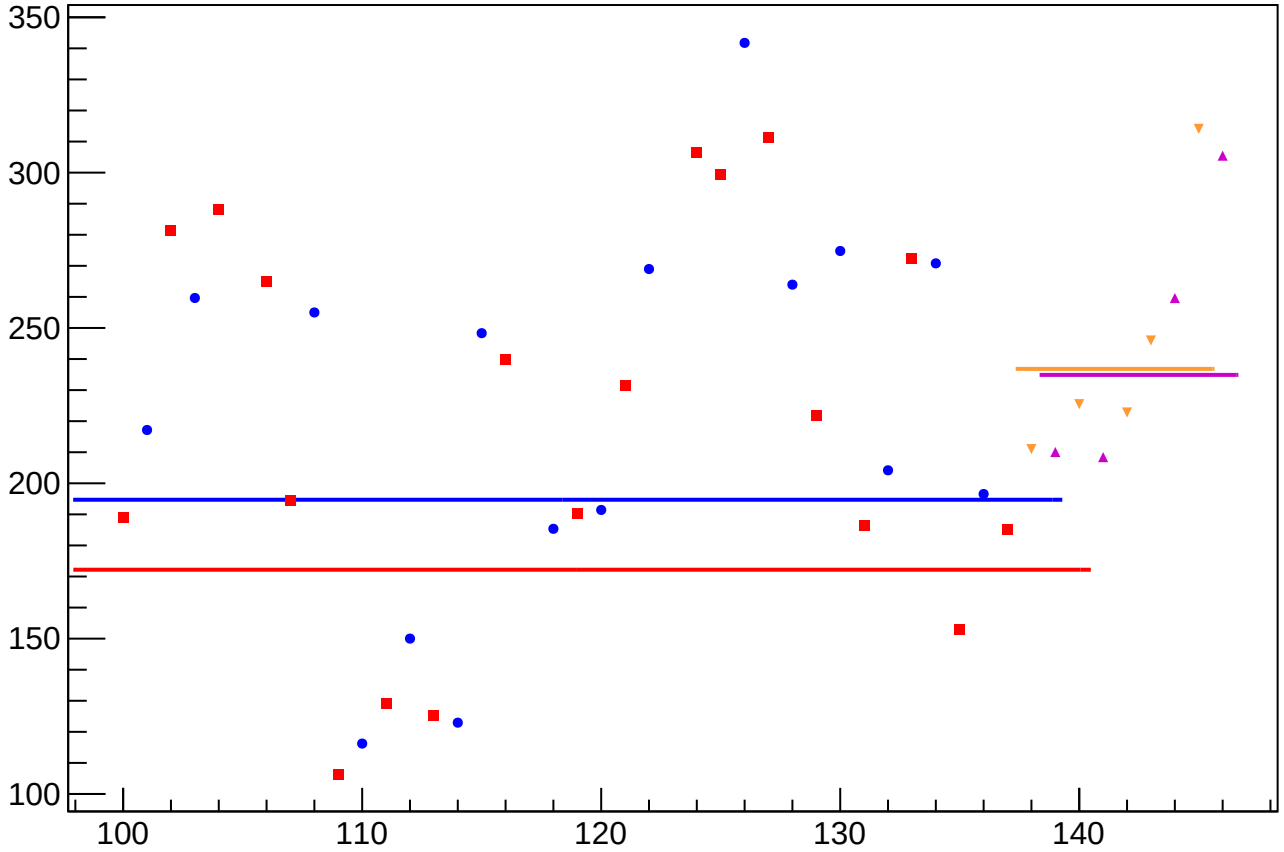
Left In: -240.893+/-127.488 χ^2/NDF:1.4/3

\+ sign 33.435+/-65.380 χ^2/NDF: 19.9/20

All: 47.781+/-44.315 χ^2/NDF: 40.1/43

\- sign 59.972+/-60.272 χ^2/NDF: 20.2/22

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 236.827+/-0.089 χ^2/NDF:130338.2/4

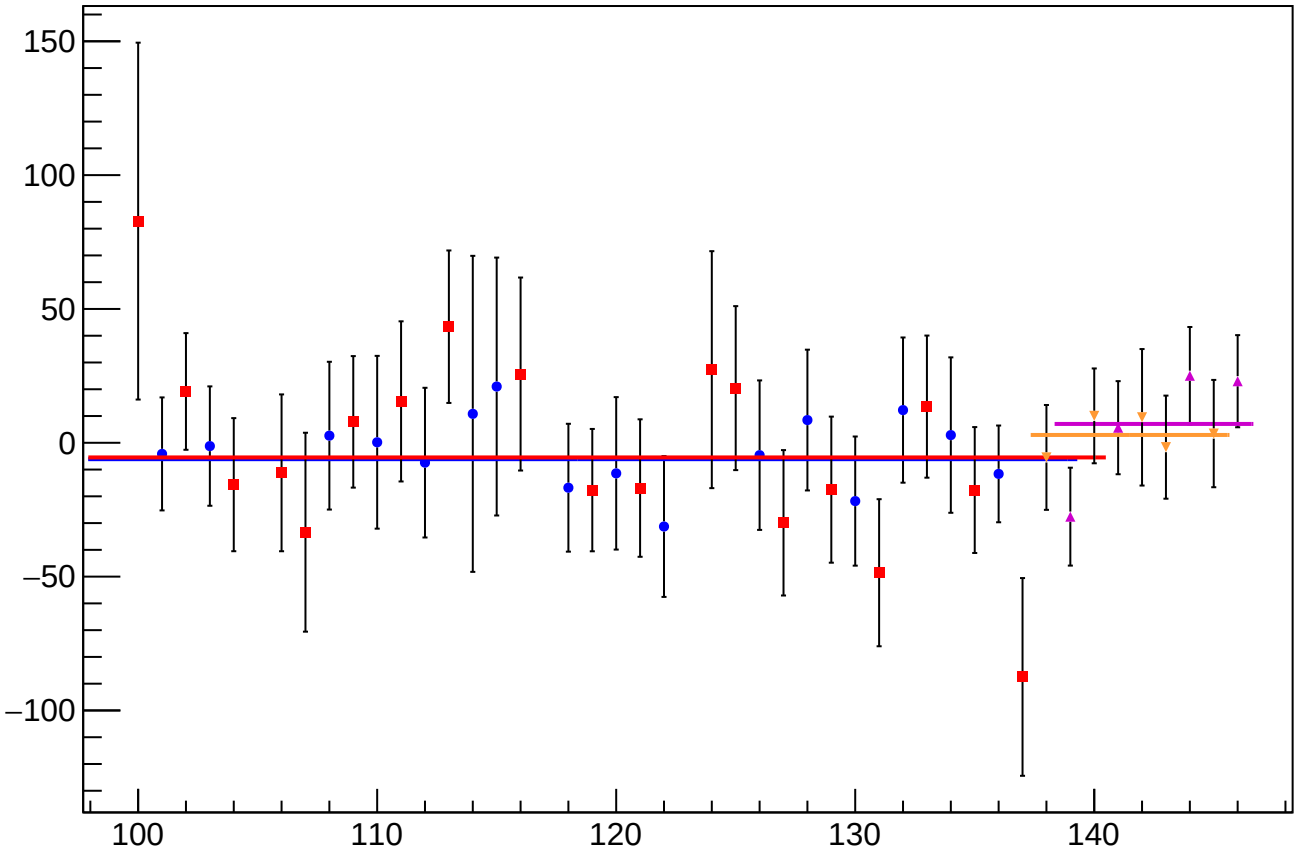
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 234.895+/-0.090 χ^2/NDF:161902.2/3

+ sign 206.120+/-0.046 χ^2/NDF: 1346584.9/20

All: 195.352+/-0.031 χ^2/NDF: 3655638.0/43

- sign 186.202+/-0.043 χ^2/NDF: 2208708.7/22



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 2.926+/-8.939 χ^2/NDF:0.5/4

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

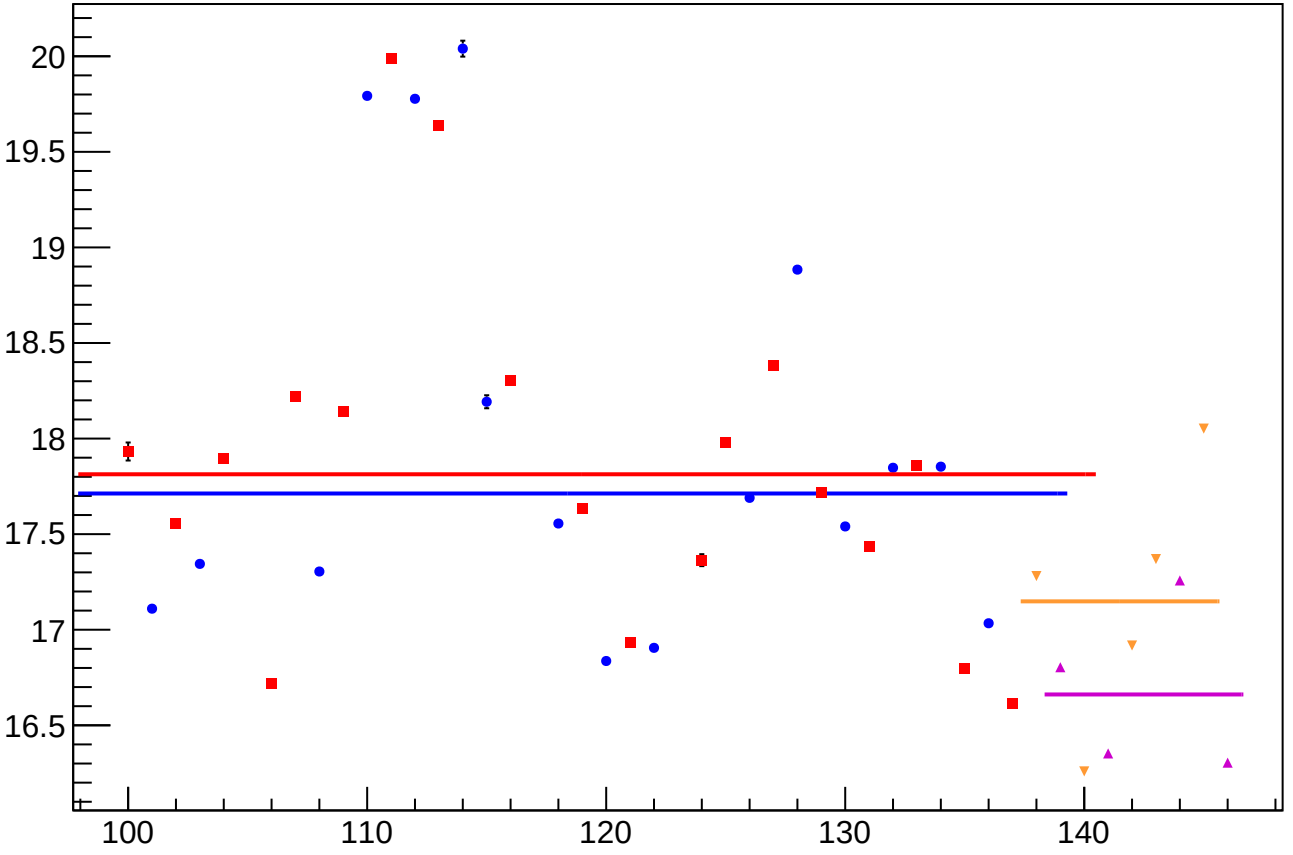
Left In: 7.041+/-8.878 χ^2/NDF:5.4/3

+ sign -2.933+/-5.306 χ^2/NDF: 4.3/20

All: -2.005+/-3.732 χ^2/NDF: 30.2/43

- sign -1.096+/-5.249 χ^2/NDF: 25.9/22

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: 17.148+/-0.006 χ^2/NDF:9626.8/4

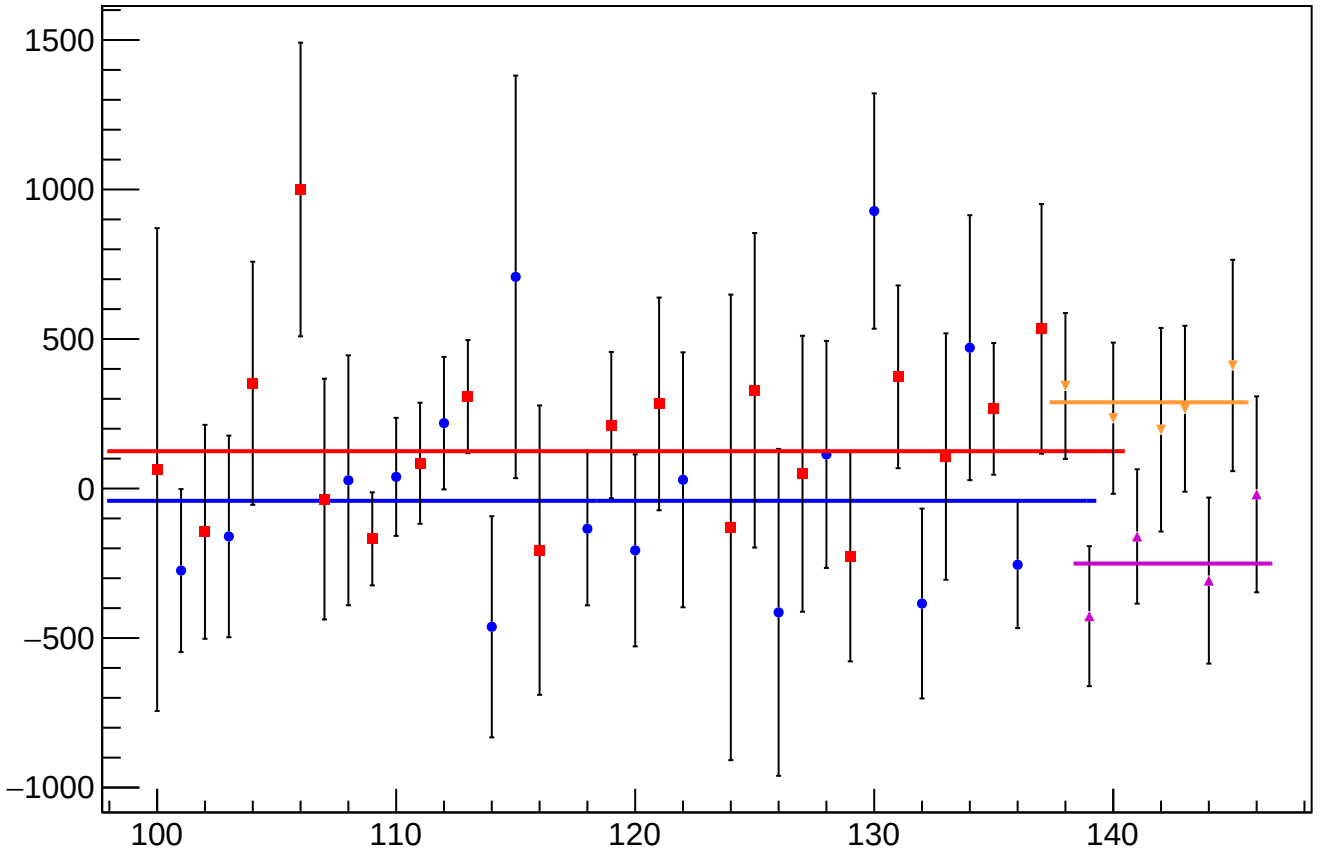
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.661+/-0.006 χ^2/NDF:3754.8/3

\+ sign 17.514+/-0.004 χ^2/NDF: 50772.4/20

All: 17.462+/-0.003 χ^2/NDF: 109522.9/43

\- sign 17.411+/-0.004 χ^2/NDF: 58367.3/22



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 288.411+/-126.940 χ^2/NDF:0.3/4

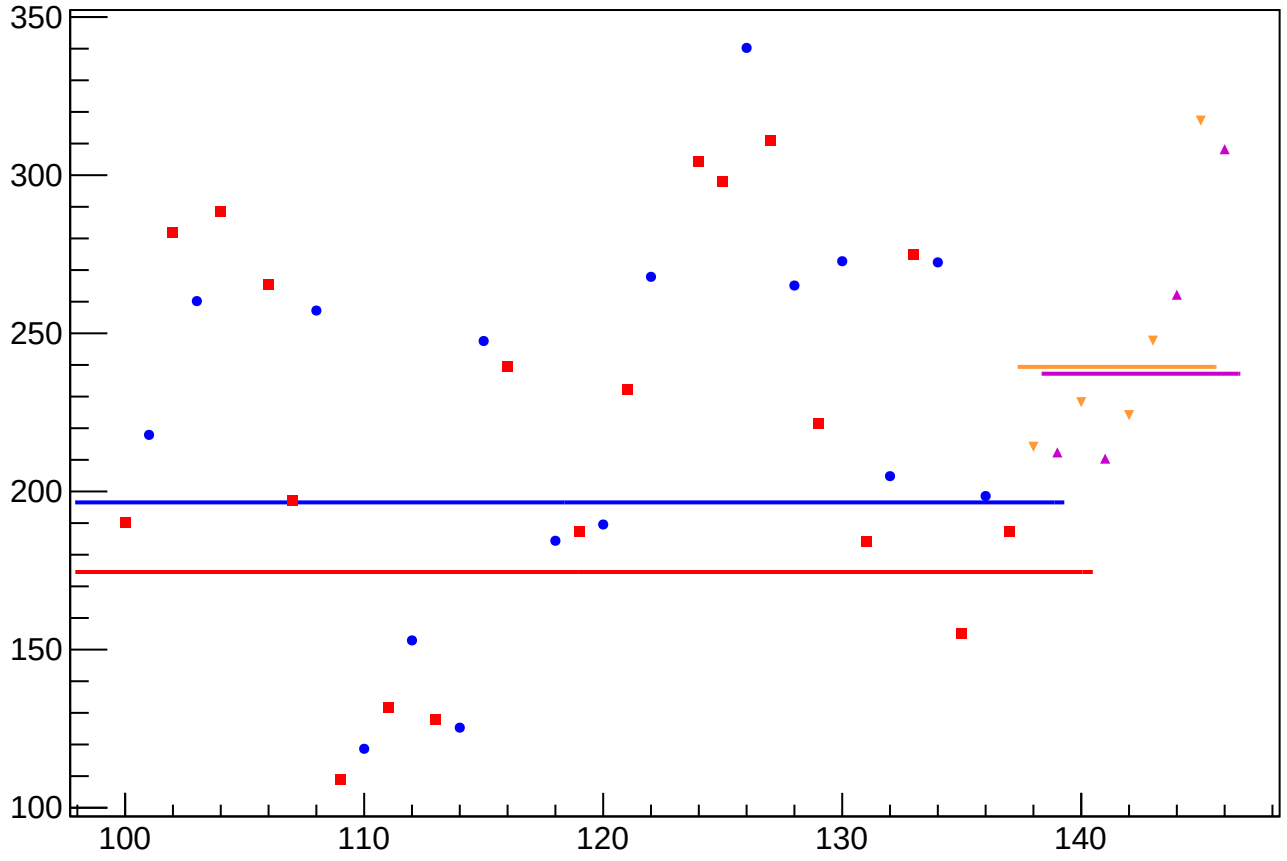
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -250.890+/-128.736 χ^2/NDF:1.3/3

\+ sign 47.755+/-65.922 χ^2/NDF: 20.8/20

All: 44.008+/-44.729 χ^2/NDF: 41.6/43

\- sign 40.811+/-60.890 χ^2/NDF: 20.8/22



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 239.396+/-0.090 χ^2/NDF:128205.6/4

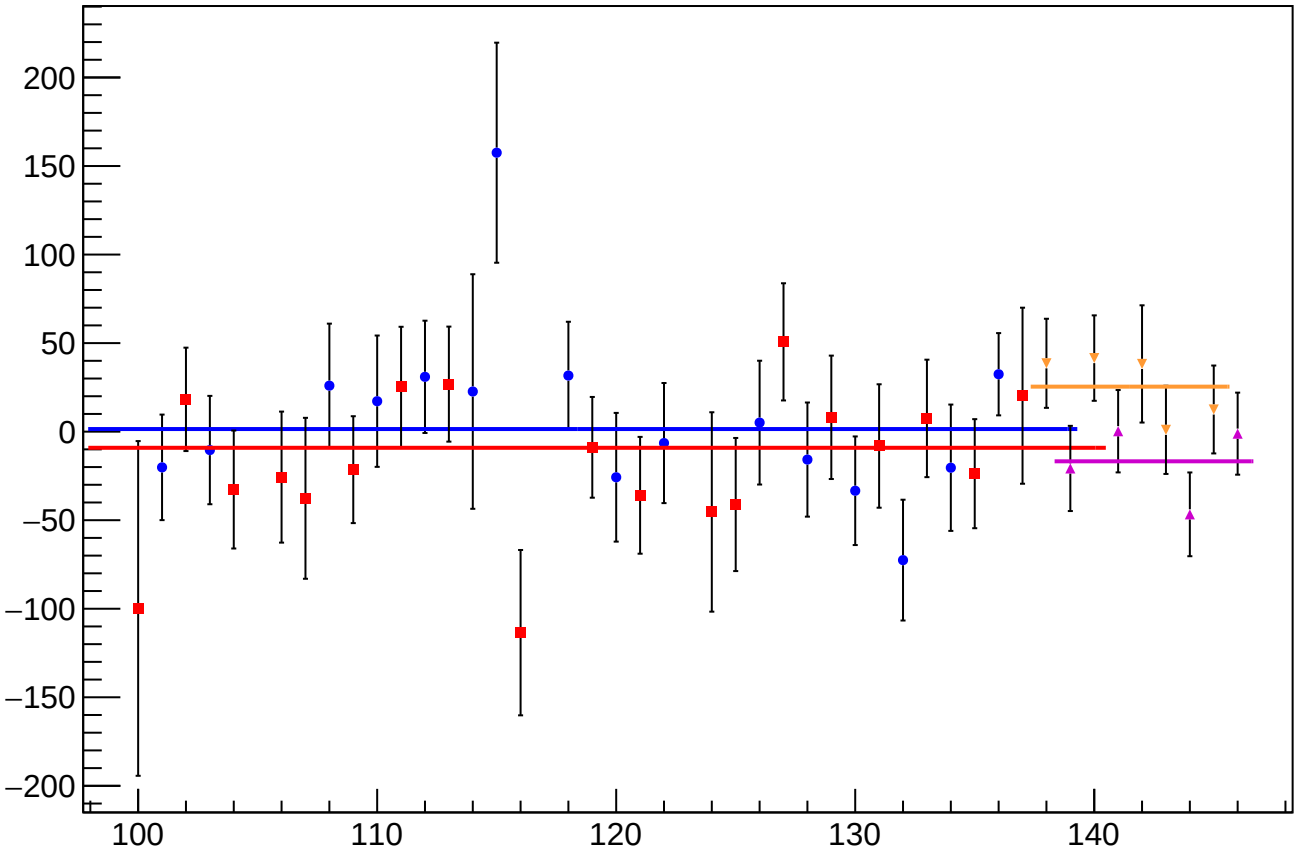
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 237.231+/-0.091 χ^2/NDF:161236.9/3

+ sign 208.099+/-0.047 χ^2/NDF: 1295442.1/20

All: 197.558+/-0.032 χ^2/NDF: 3508357.4/43

- sign 188.564+/-0.043 χ^2/NDF: 2118142.7/22



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 25.415+/-11.588 χ^2/NDF:2.1/4

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

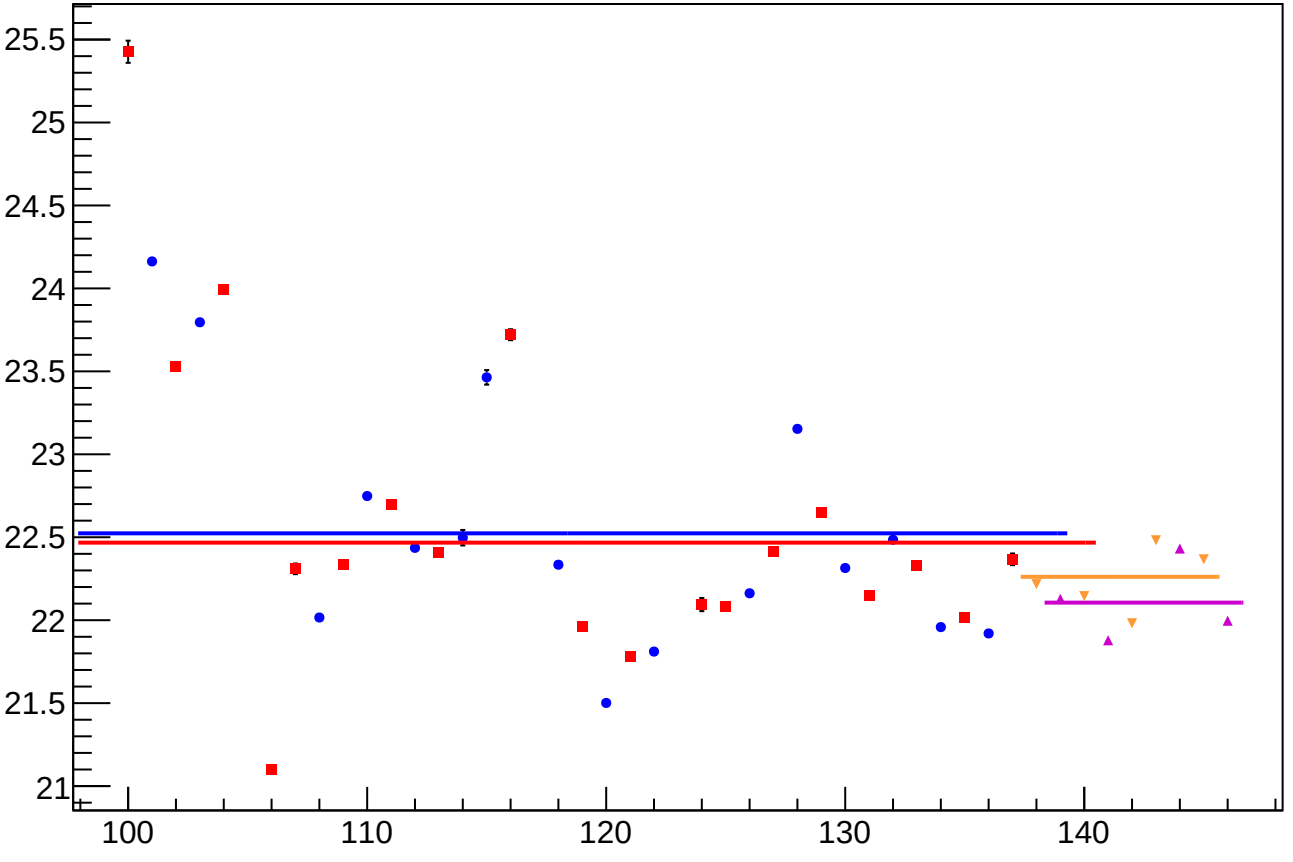
Left In: -16.748+/-11.763 χ^2/NDF:2.6/3

+ sign 9.683+/-6.785 χ^2/NDF: 23.6/20

All: -1.057+/-4.777 χ^2/NDF: 47.9/43

- sign -11.609+/-6.725 χ^2/NDF: 19.4/22

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: 22.262+/-0.008 χ^2/NDF:388.5/4

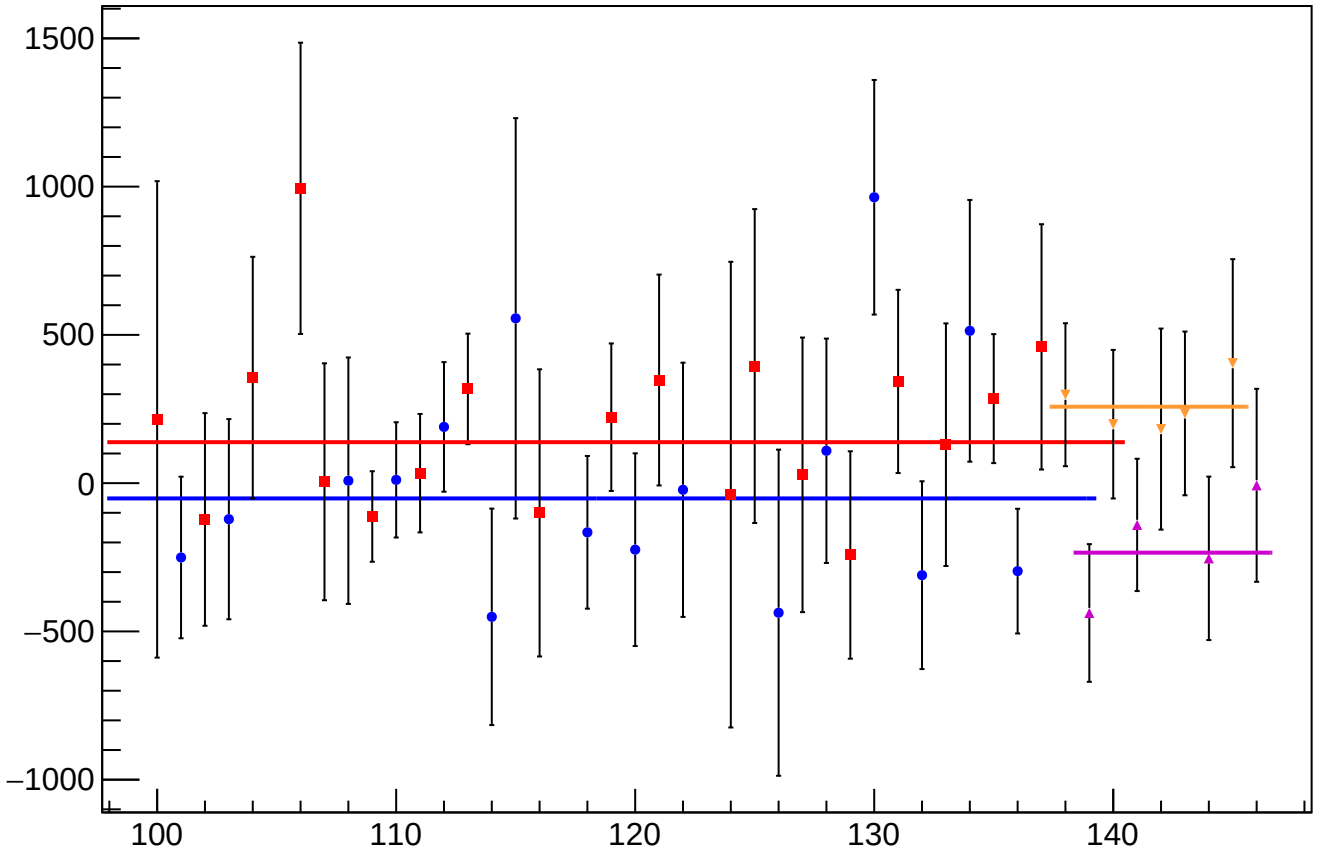
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.106+/-0.008 χ^2/NDF:616.6/3

+ sign 22.434+/-0.005 χ^2/NDF: 17008.2/20

All: 22.391+/-0.003 χ^2/NDF: 34680.4/43

- sign 22.349+/-0.005 χ^2/NDF: 17516.1/22



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 257.748+/-125.899 χ^2/NDF:0.3/4

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

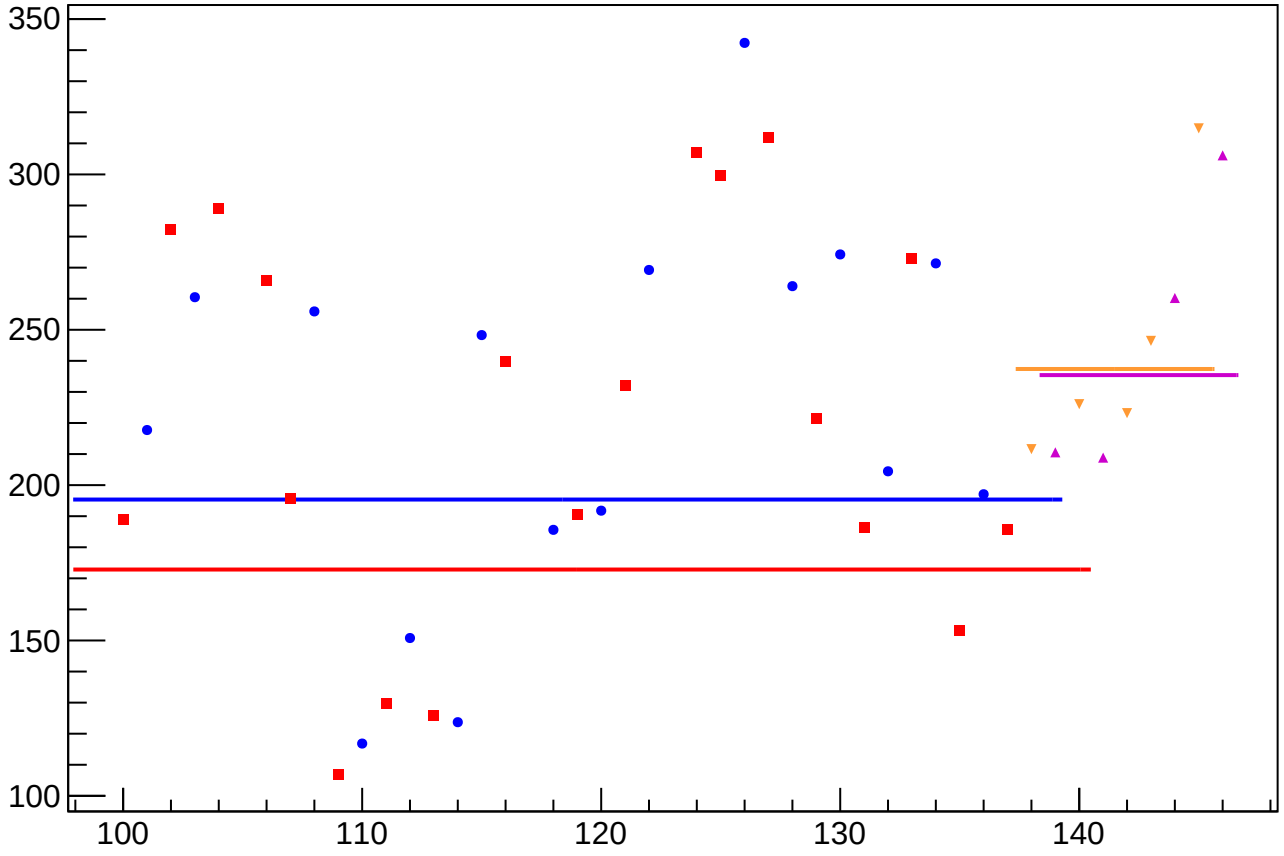
Left In: -234.435+/-127.769 χ^2/NDF:1.4/3

\+ sign 32.370+/-65.563 χ^2/NDF: 20.1/20

All: 44.470+/-44.445 χ^2/NDF: 39.8/43

\- sign 54.759+/-60.456 χ^2/NDF: 19.6/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 237.383+/-0.089 χ^2/NDF:130161.9/4

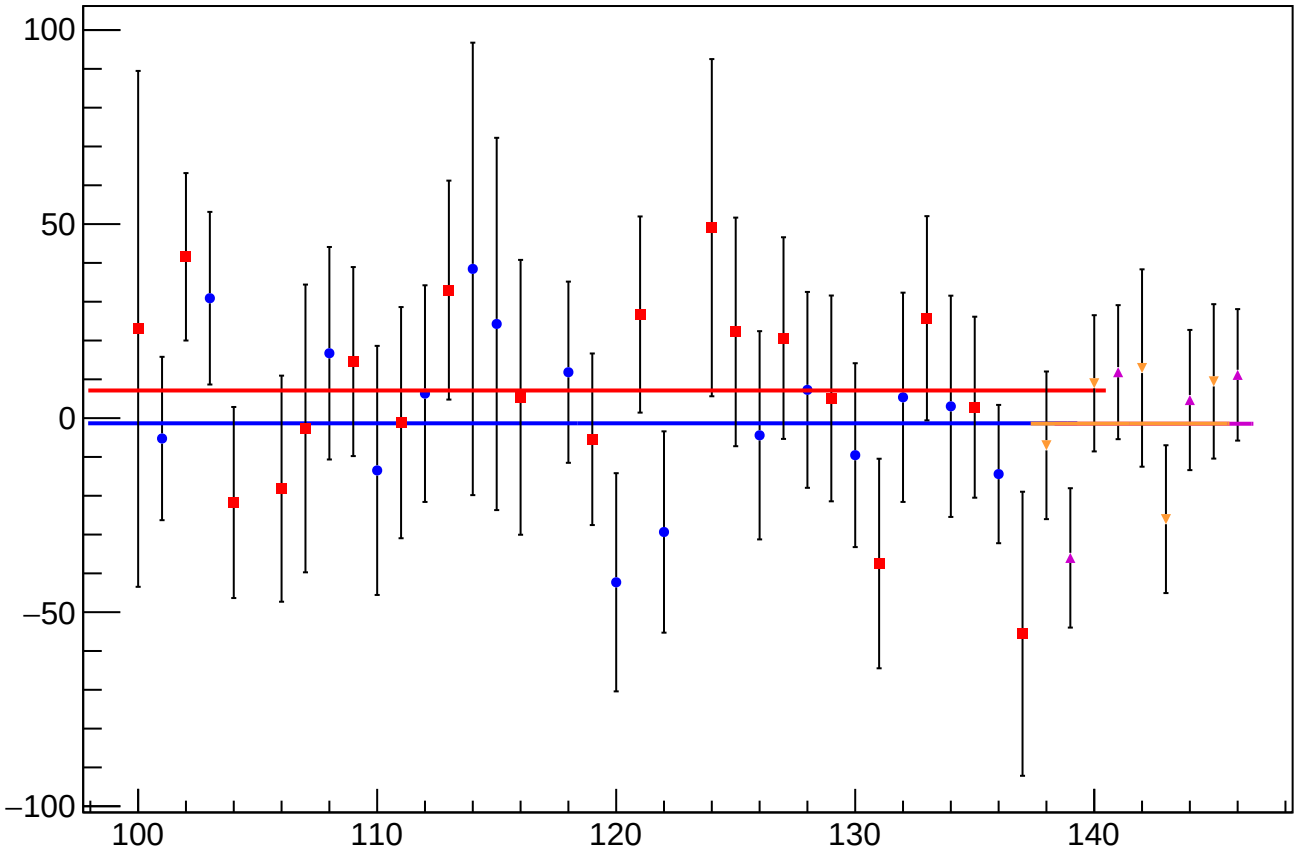
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 235.413+/-0.090 χ^2/NDF:161972.0/3

+ sign 206.757+/-0.046 χ^2/NDF: 1333979.3/20

All: 195.996+/-0.031 χ^2/NDF: 3627386.2/43

- sign 186.847+/-0.043 χ^2/NDF: 2193729.5/22



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -1.408+/-8.825 χ^2/NDF:2.7/4

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

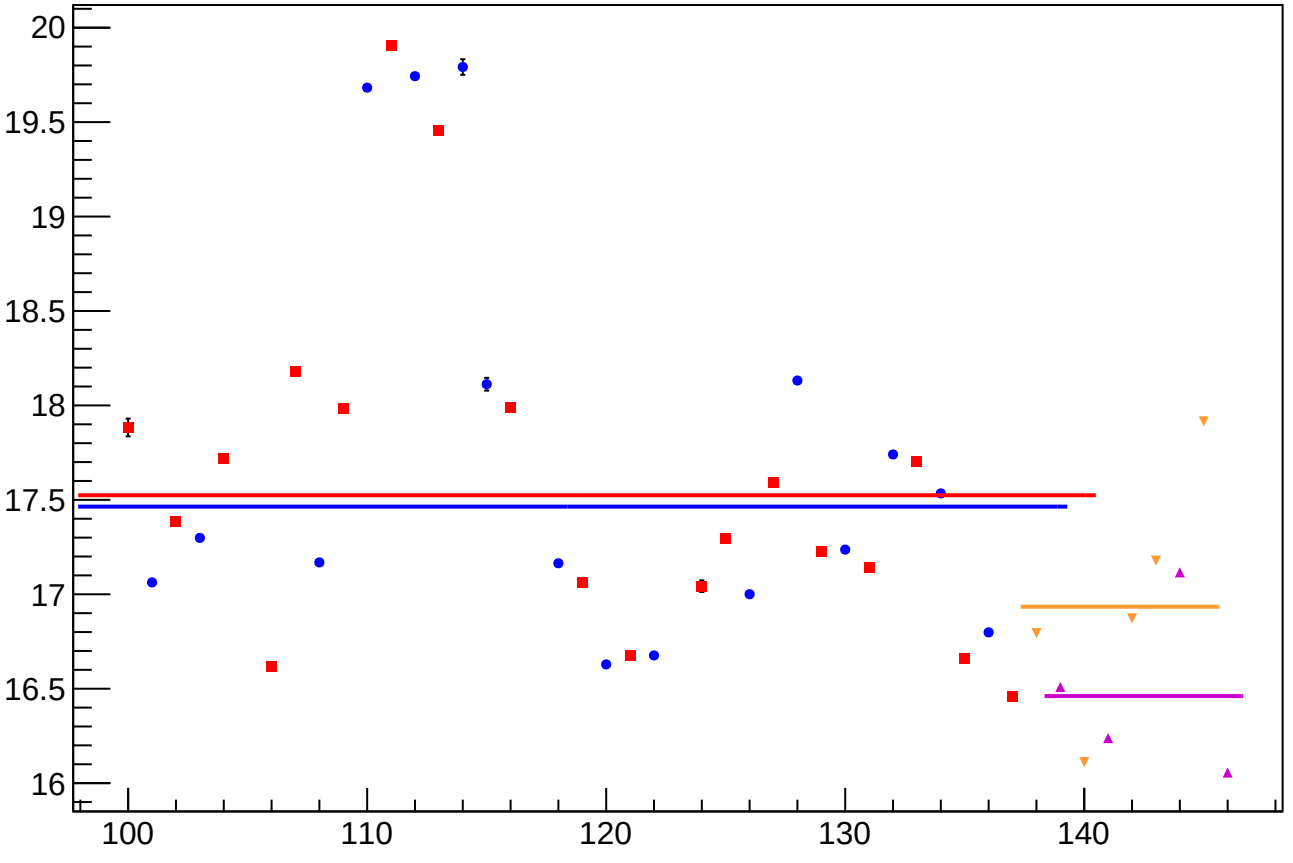
Left In: -1.444+/-8.769 χ^2/NDF:5.0/3

+ sign -1.358+/-5.233 χ^2/NDF: 10.7/20

All: 1.427+/-3.678 χ^2/NDF: 31.3/43

- sign 4.147+/-5.171 χ^2/NDF: 20.0/22

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.934+/-0.006 χ^2/NDF:9710.5/4

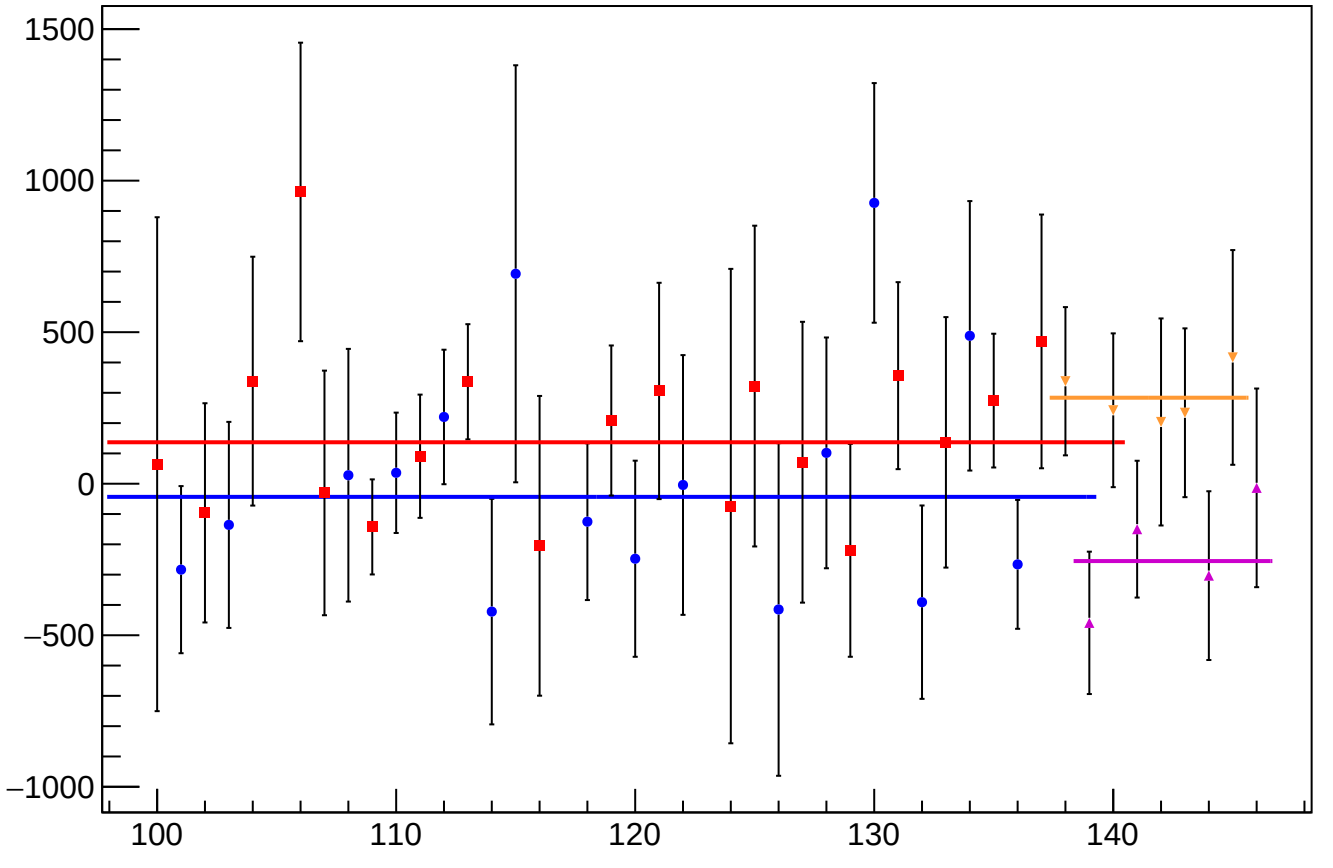
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.461+/-0.006 χ^2/NDF:4117.9/3

+ sign 17.278+/-0.004 χ^2/NDF: 51038.2/20

All: 17.216+/-0.003 χ^2/NDF: 109619.5/43

- sign 17.155+/-0.004 χ^2/NDF: 58021.0/22



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 283.769+/-127.328 χ^2/NDF:0.3/4

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

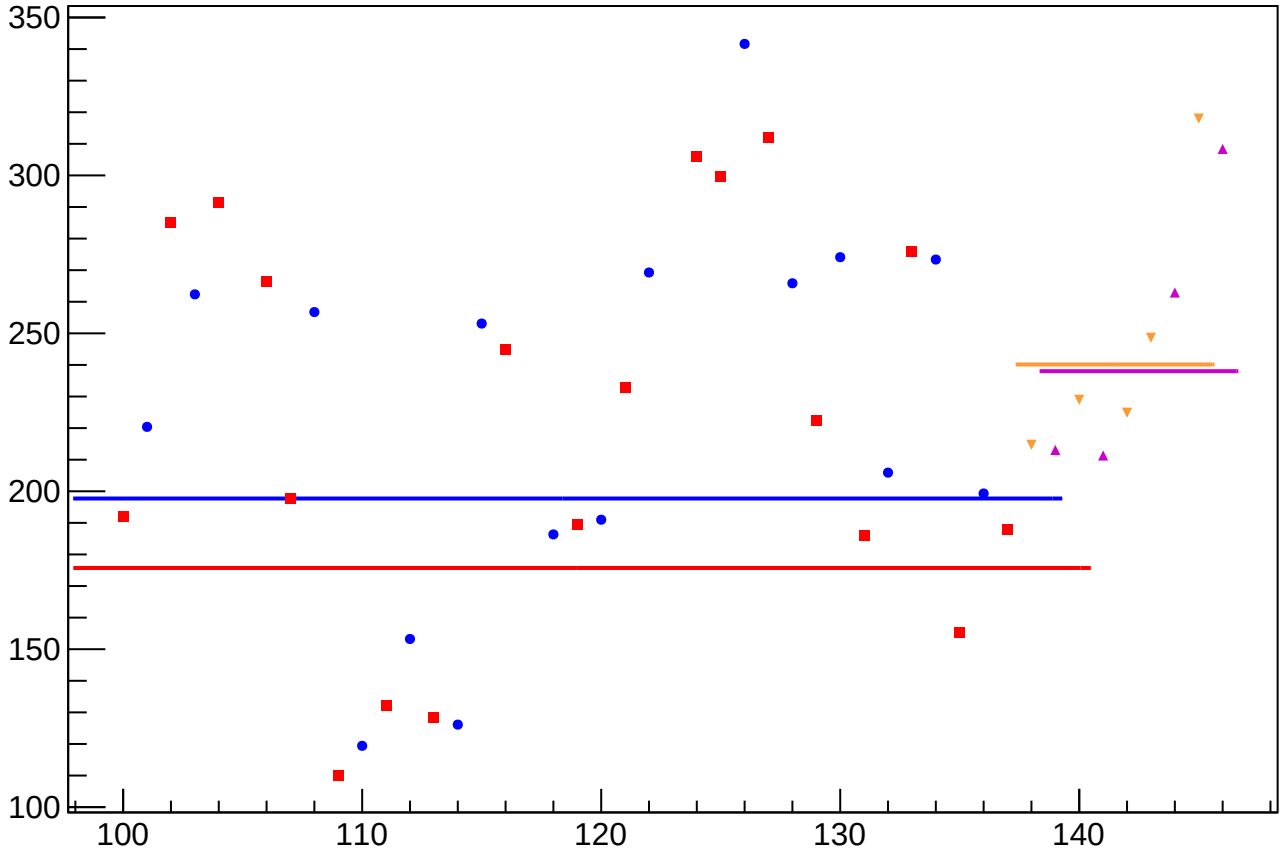
Left In: -255.205+/-129.140 χ^2/NDF:1.5/3

+ sign 45.194+/-66.253 χ^2/NDF: 20.6/20

All: 47.048+/-44.971 χ^2/NDF: 40.8/43

- sign 48.633+/-61.239 χ^2/NDF: 20.2/22

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 240.138+/-0.090 χ^2/NDF:127904.8/4

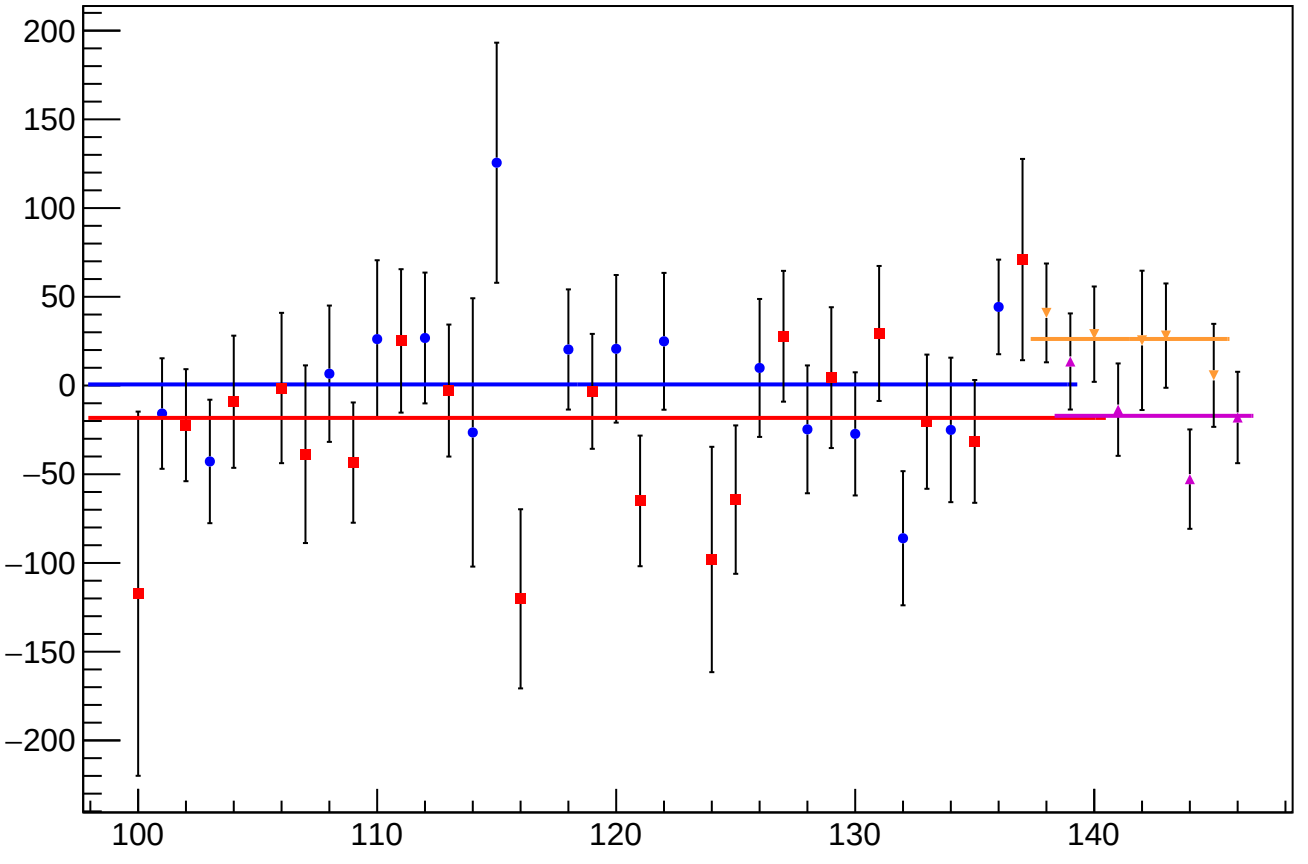
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 238.028+/-0.091 χ^2/NDF:158730.0/3

+ sign 209.196+/-0.047 χ^2/NDF: 1290193.4/20

All: 198.697+/-0.032 χ^2/NDF: 3493545.4/43

- sign 189.728+/-0.043 χ^2/NDF: 2110231.2/22



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 26.241+/-13.282 χ^2/NDF:0.8/4

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

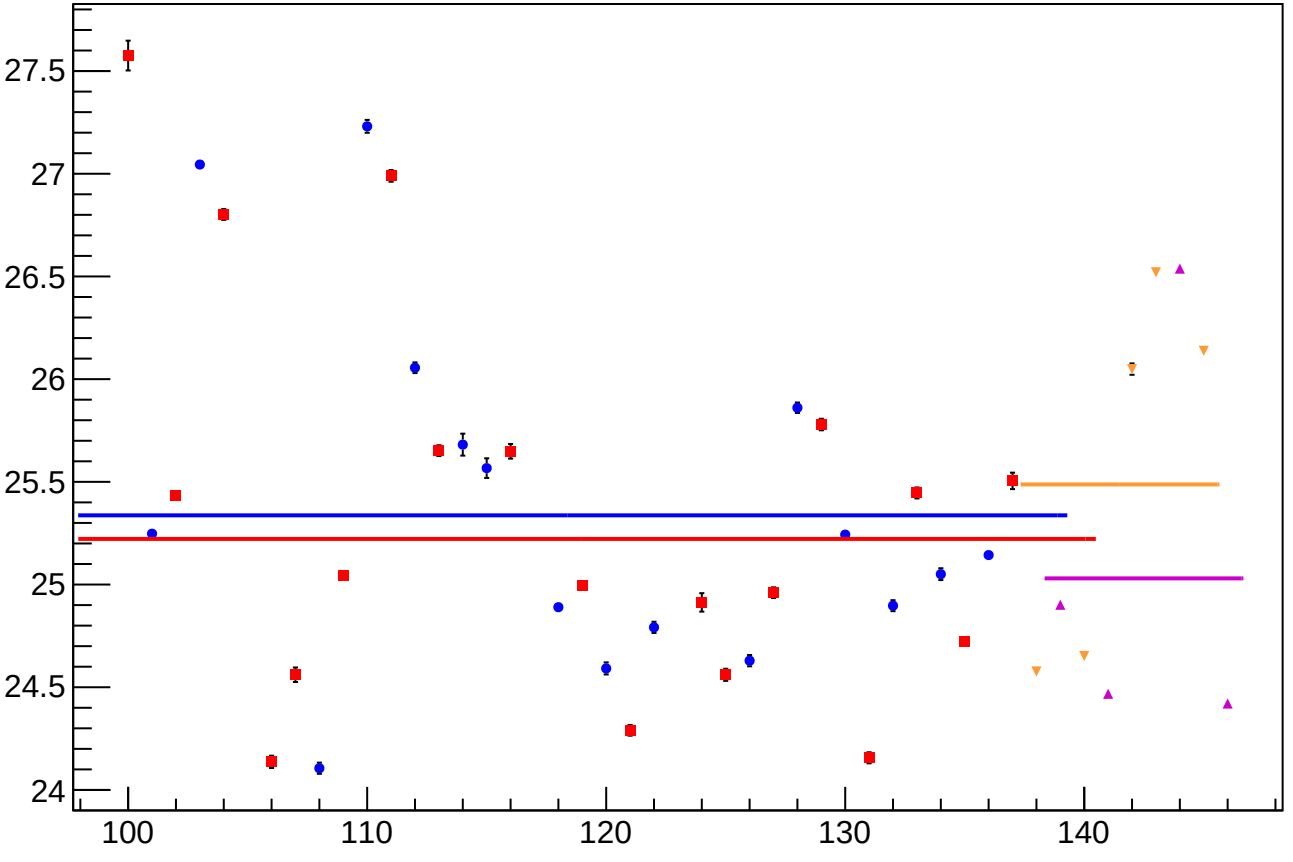
Left In: -17.076+/-13.338 χ^2/NDF:2.9/3

+ sign 9.196+/-7.685 χ^2/NDF: 20.0/20

All: -4.526+/-5.396 χ^2/NDF: 47.2/43

- sign -17.870+/-7.578 χ^2/NDF: 20.9/22

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.487+/-0.009 χ^2/NDF:7955.7/4

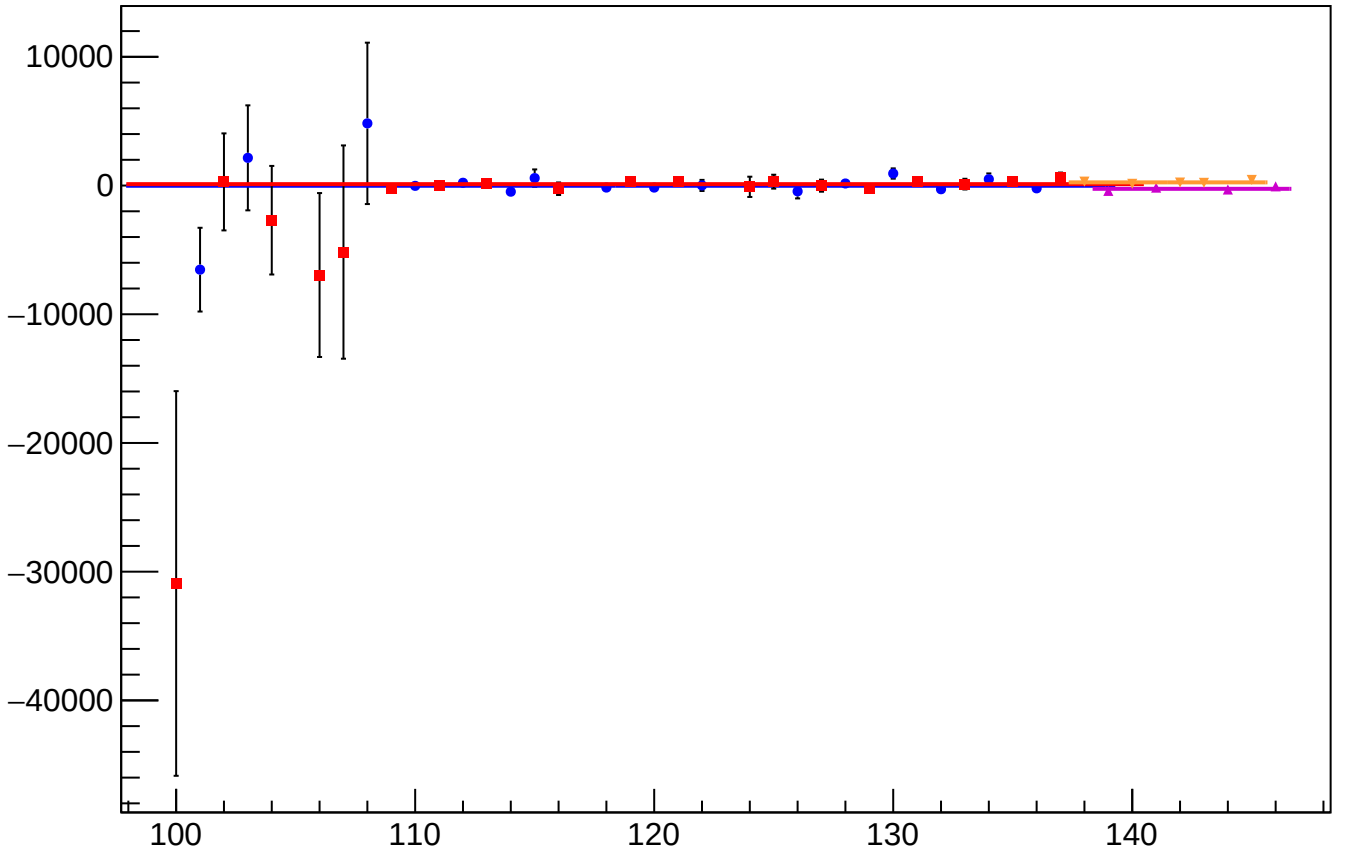
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.030+/-0.009 χ^2/NDF:7894.4/3

+ sign 25.387+/-0.005 χ^2/NDF: 22441.4/20

All: 25.272+/-0.004 χ^2/NDF: 46728.0/43

- sign 25.160+/-0.005 χ^2/NDF: 23400.0/22



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 246.485+/-127.995 χ^2/NDF:0.6/4

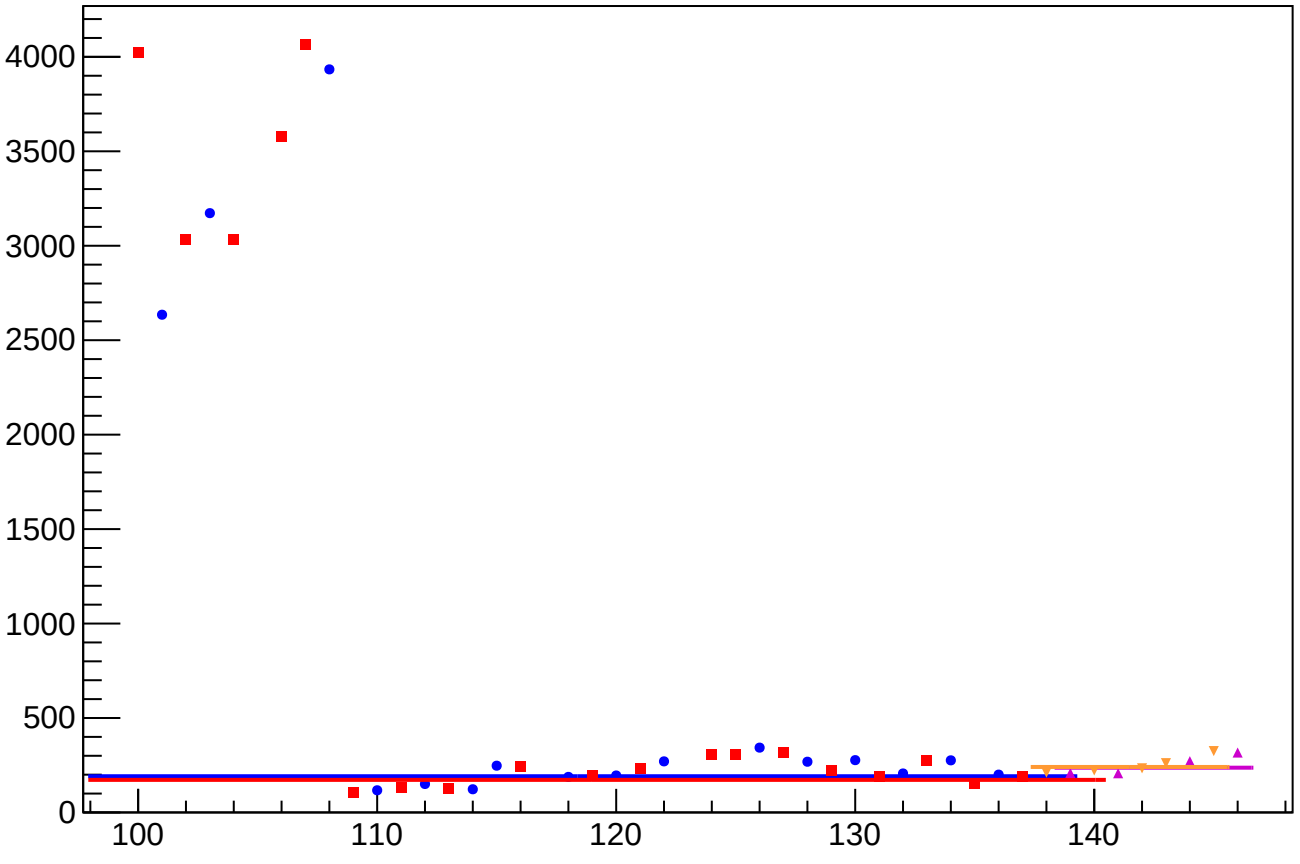
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -254.875+/-129.074 χ^2/NDF:1.0/3

+ sign 64.322+/-70.635 χ^2/NDF: 21.8/20

All: 36.369+/-48.541 χ^2/NDF: 42.9/43

- sign 11.355+/-66.819 χ^2/NDF: 20.9/22



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 240.806+/-0.091 χ^2/NDF:160248.1/4

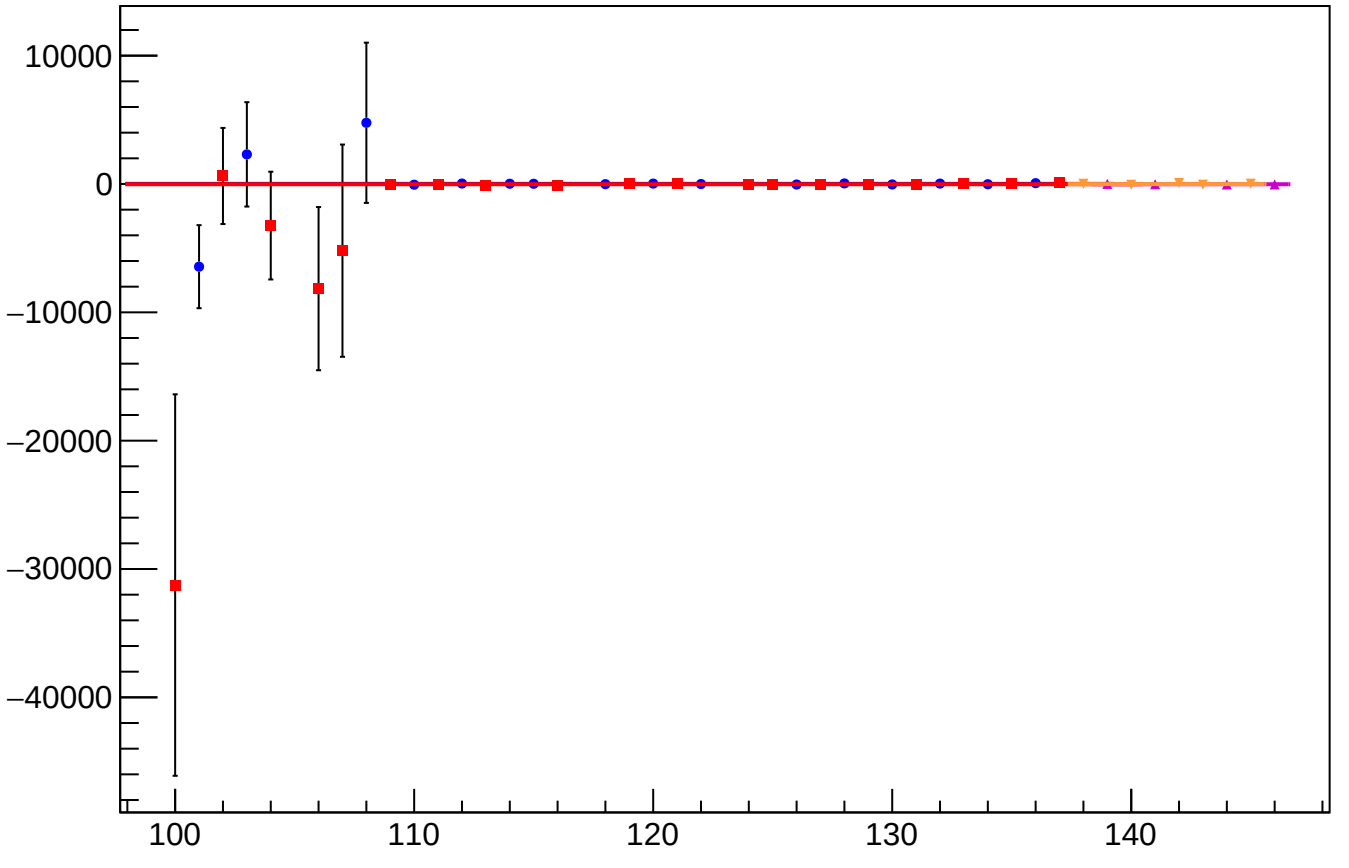
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 236.976+/-0.091 χ^2/NDF:206831.7/3

+ sign 206.680+/-0.050 χ^2/NDF: 4186487.1/20

All: 197.746+/-0.034 χ^2/NDF: 9122813.9/43

- sign 189.752+/-0.047 χ^2/NDF: 4875703.8/22



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -6.979+/-15.411 χ^2/NDF:10.0/4

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

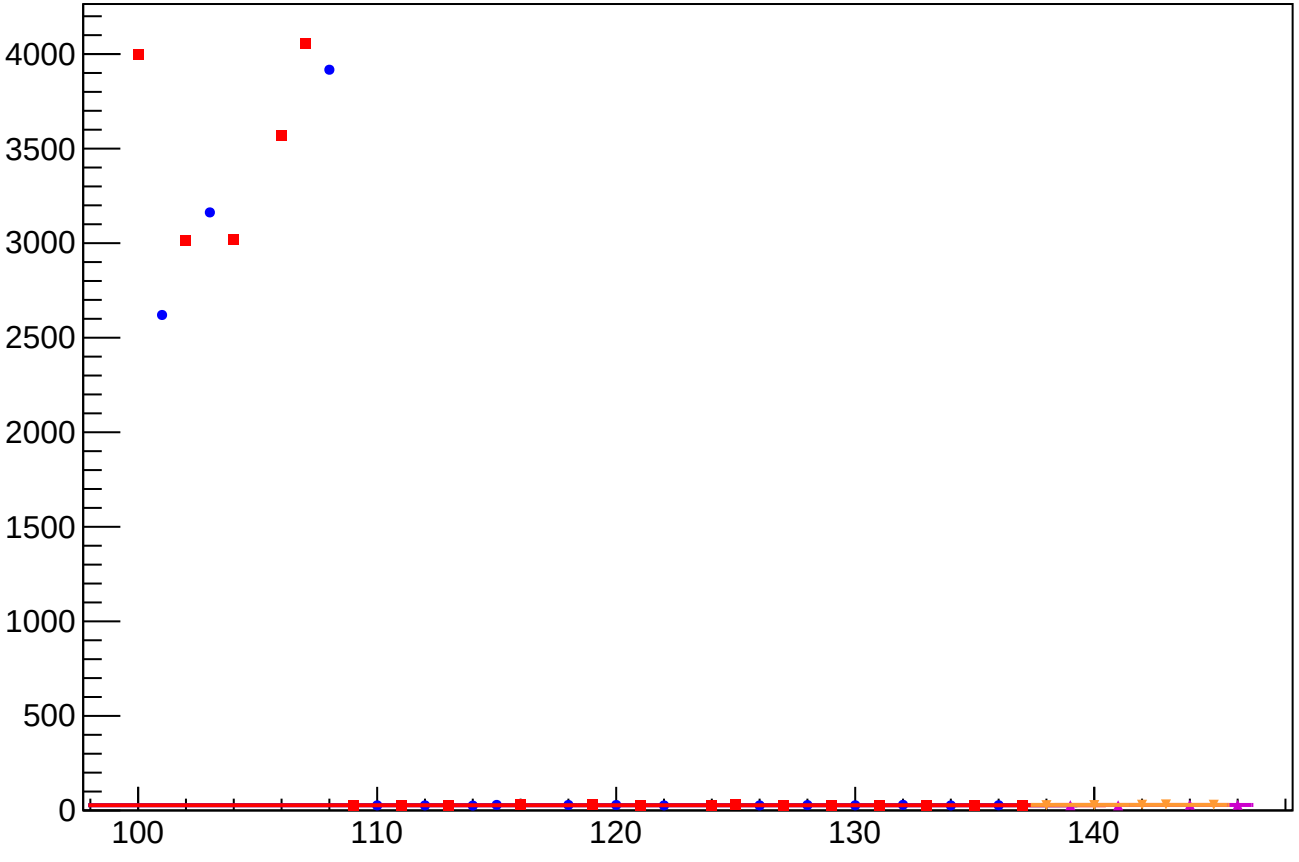
Left In: -18.750+/-15.511 χ^2/NDF:1.4/3

+ sign 3.533+/-9.311 χ^2/NDF: 26.7/20

All: -7.308+/-6.613 χ^2/NDF: 55.6/43

- sign -18.342+/-9.394 χ^2/NDF: 26.2/22

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.438+/-0.011 χ^2/NDF:17604.6/4

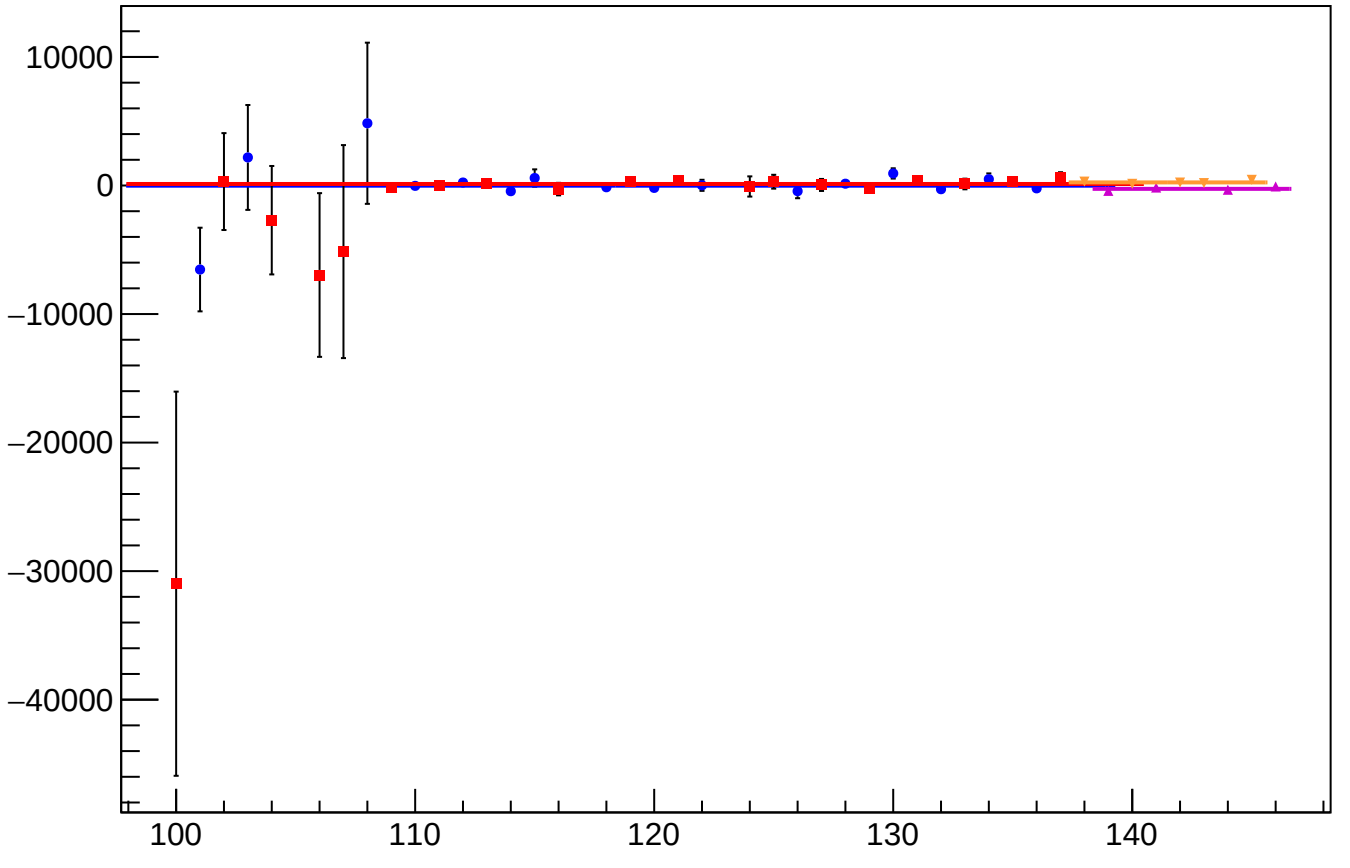
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.050+/-0.011 χ^2/NDF:22675.5/3

+ sign 28.298+/-0.007 χ^2/NDF: 3300367.4/20

All: 28.195+/-0.005 χ^2/NDF: 6890852.5/43

- sign 28.091+/-0.007 χ^2/NDF: 3589995.0/22



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 240.490+/-127.699 χ^2/NDF:0.6/4

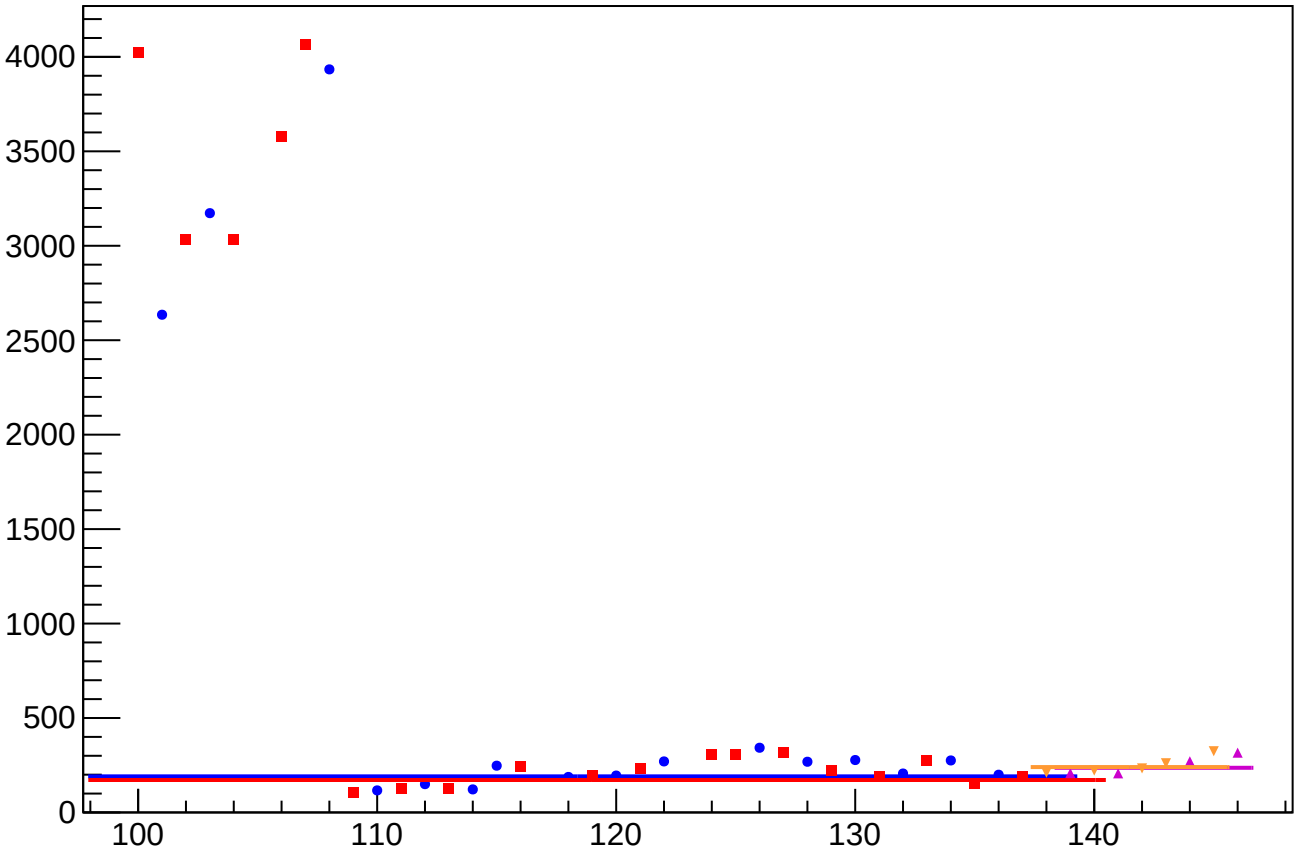
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -261.152+/-128.794 χ^2/NDF:1.0/3

+ sign 64.024+/-70.442 χ^2/NDF: 21.7/20

All: 38.976+/-48.407 χ^2/NDF: 43.7/43

- sign 16.564+/-66.632 χ^2/NDF: 21.8/22



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 240.243+/-0.090 χ^2/NDF:160659.2/4

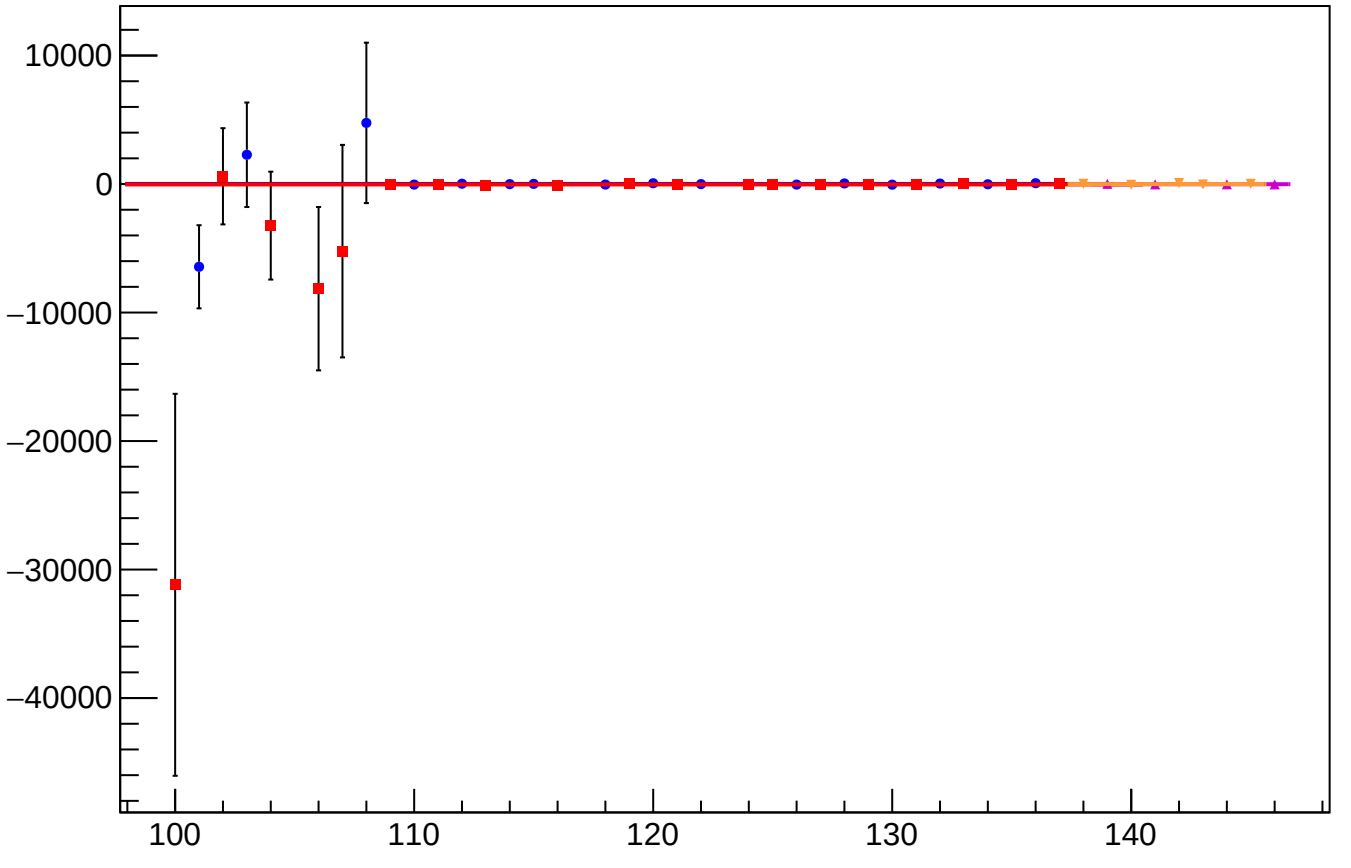
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 236.461+/-0.091 χ^2/NDF:206846.3/3

+ sign 206.033+/-0.050 χ^2/NDF: 4200931.7/20

All: 197.113+/-0.034 χ^2/NDF: 9152034.7/43

- sign 189.133+/-0.047 χ^2/NDF: 4890345.1/22



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -3.743+/-15.505 χ^2/NDF:8.1/4

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

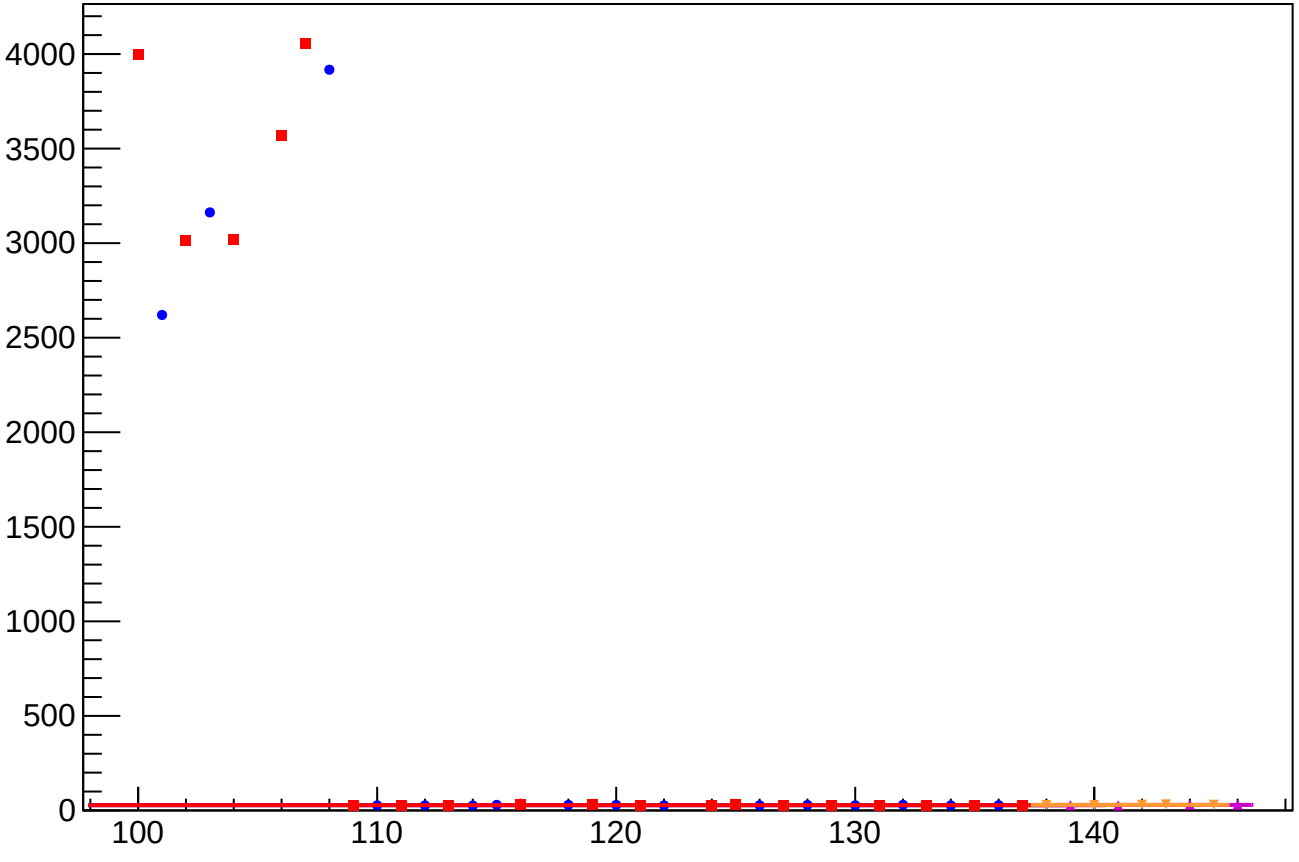
Left In: -12.373+/-15.601 χ^2/NDF:1.1/3

+ sign 2.751+/-9.372 χ^2/NDF: 26.7/20

All: -10.557+/-6.659 χ^2/NDF: 52.7/43

- sign -24.124+/-9.463 χ^2/NDF: 21.9/22

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.614+/-0.011 χ^2/NDF:18102.3/4

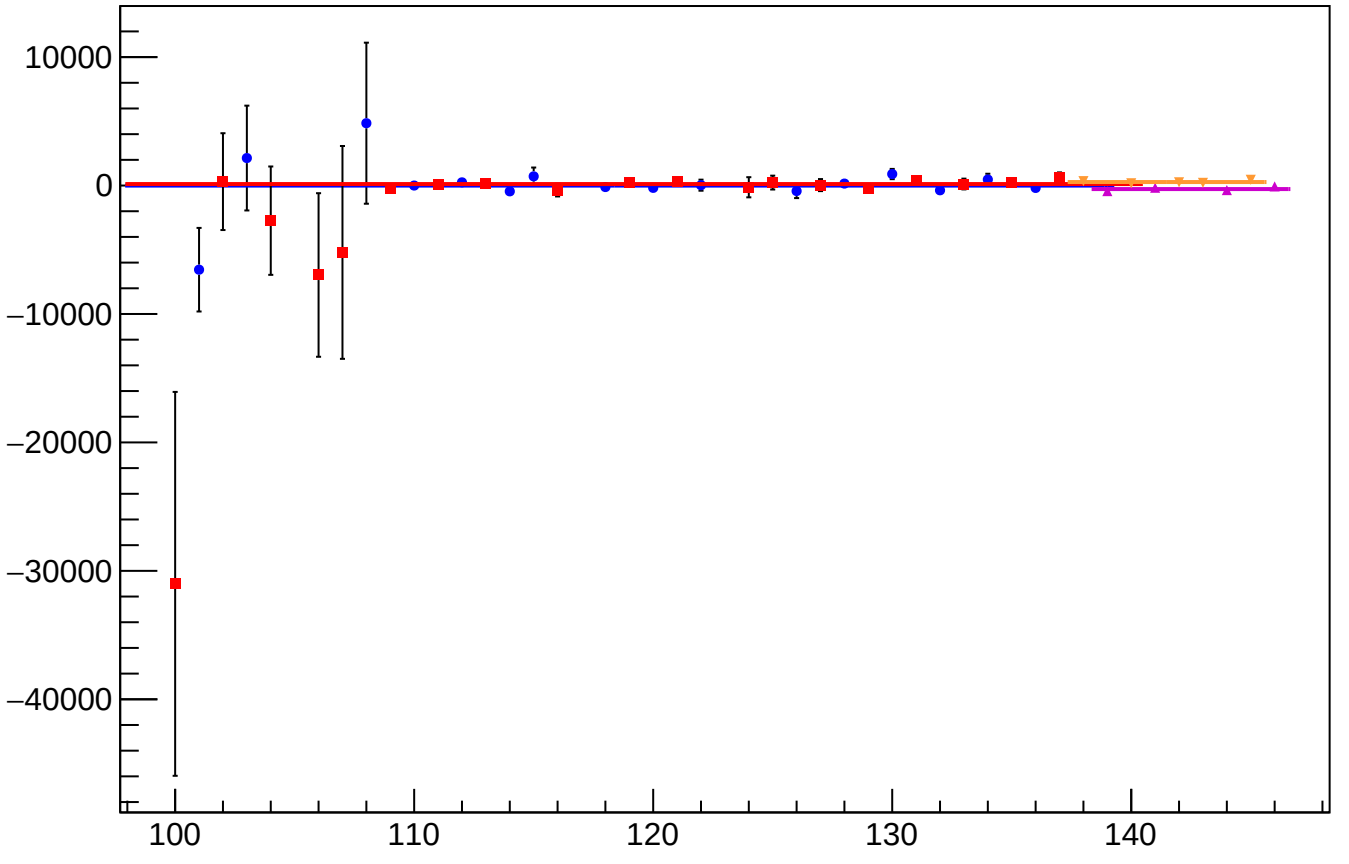
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.212+/-0.011 χ^2/NDF:24997.6/3

+ sign 28.479+/-0.007 χ^2/NDF: 3300906.3/20

All: 28.385+/-0.005 χ^2/NDF: 6896033.7/43

- sign 28.290+/-0.007 χ^2/NDF: 3594726.7/22



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 272.944+/-129.417 χ^2/NDF:0.5/4

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

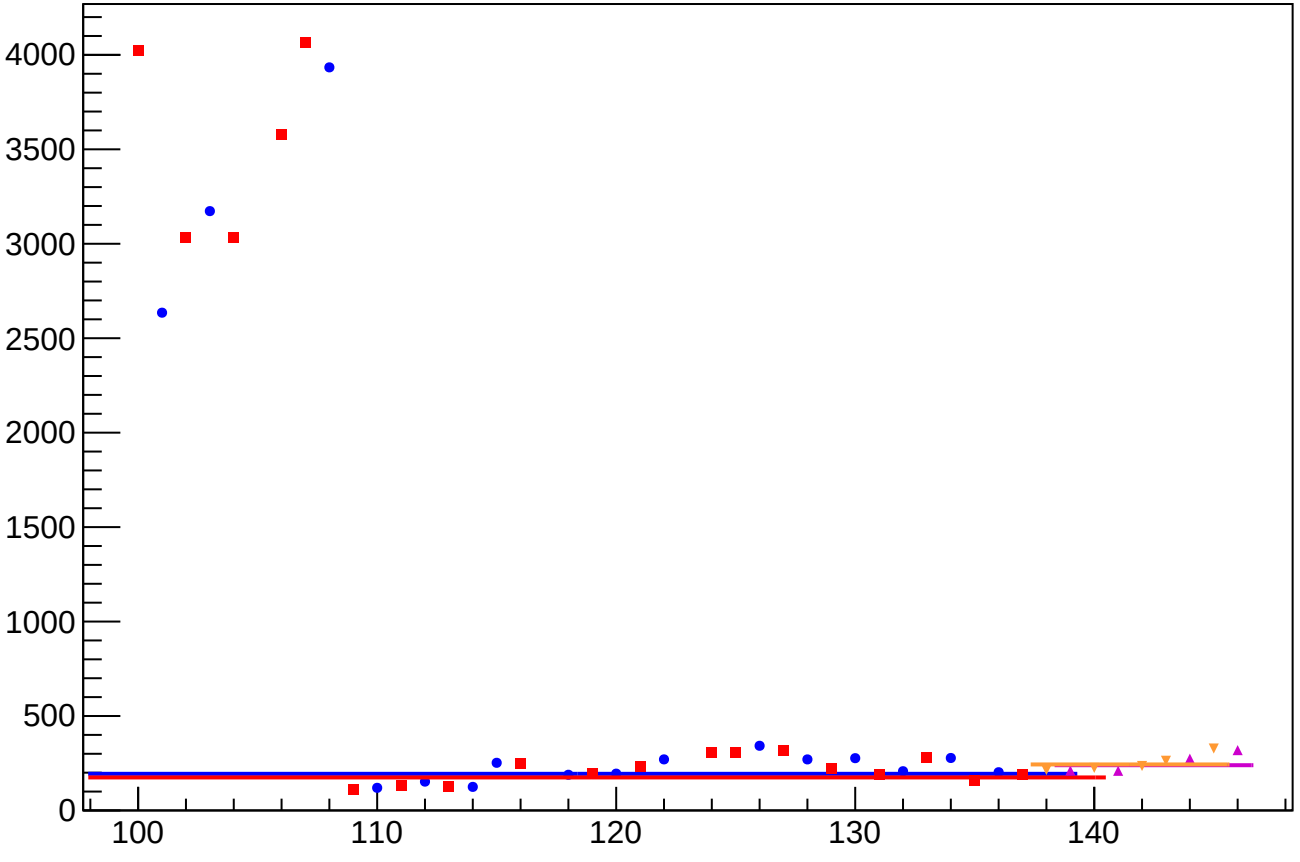
Left In: -274.518+/-130.425 χ^2/NDF:1.1/3

+ sign 80.998+/-71.342 χ^2/NDF: 21.9/20

All: 44.134+/-49.048 χ^2/NDF: 43.9/43

- sign 11.093+/-67.541 χ^2/NDF: 21.5/22

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 243.559+/-0.092 χ^2/NDF:156961.7/4

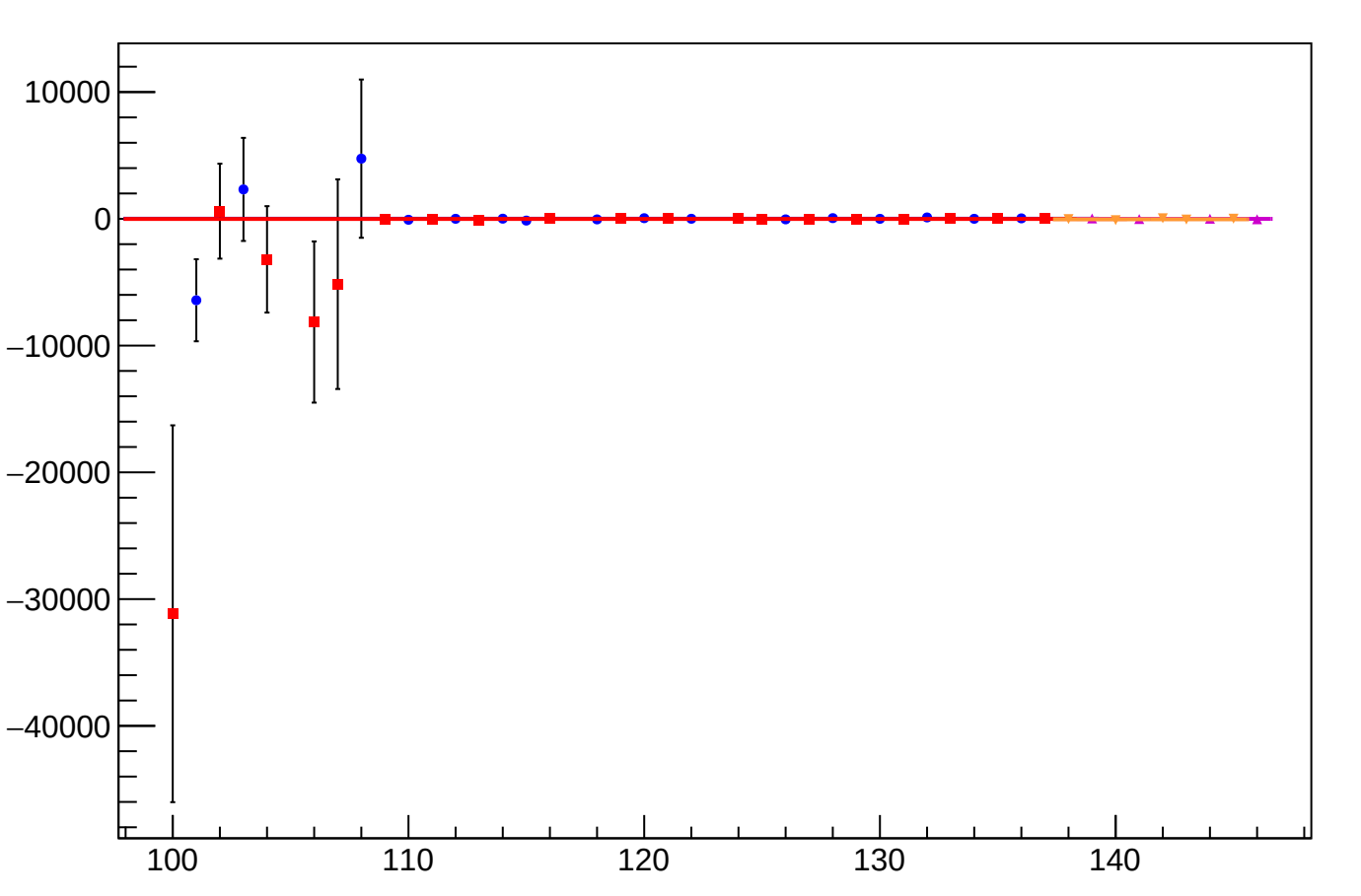
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 239.555+/-0.092 χ^2/NDF:203095.3/3

+ sign 209.023+/-0.050 χ^2/NDF: 4146034.2/20

All: 200.125+/-0.035 χ^2/NDF: 9028468.7/43

- sign 192.151+/-0.048 χ^2/NDF: 4823442.5/22



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -35.725+/-18.385 χ^2/NDF:7.5/4

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

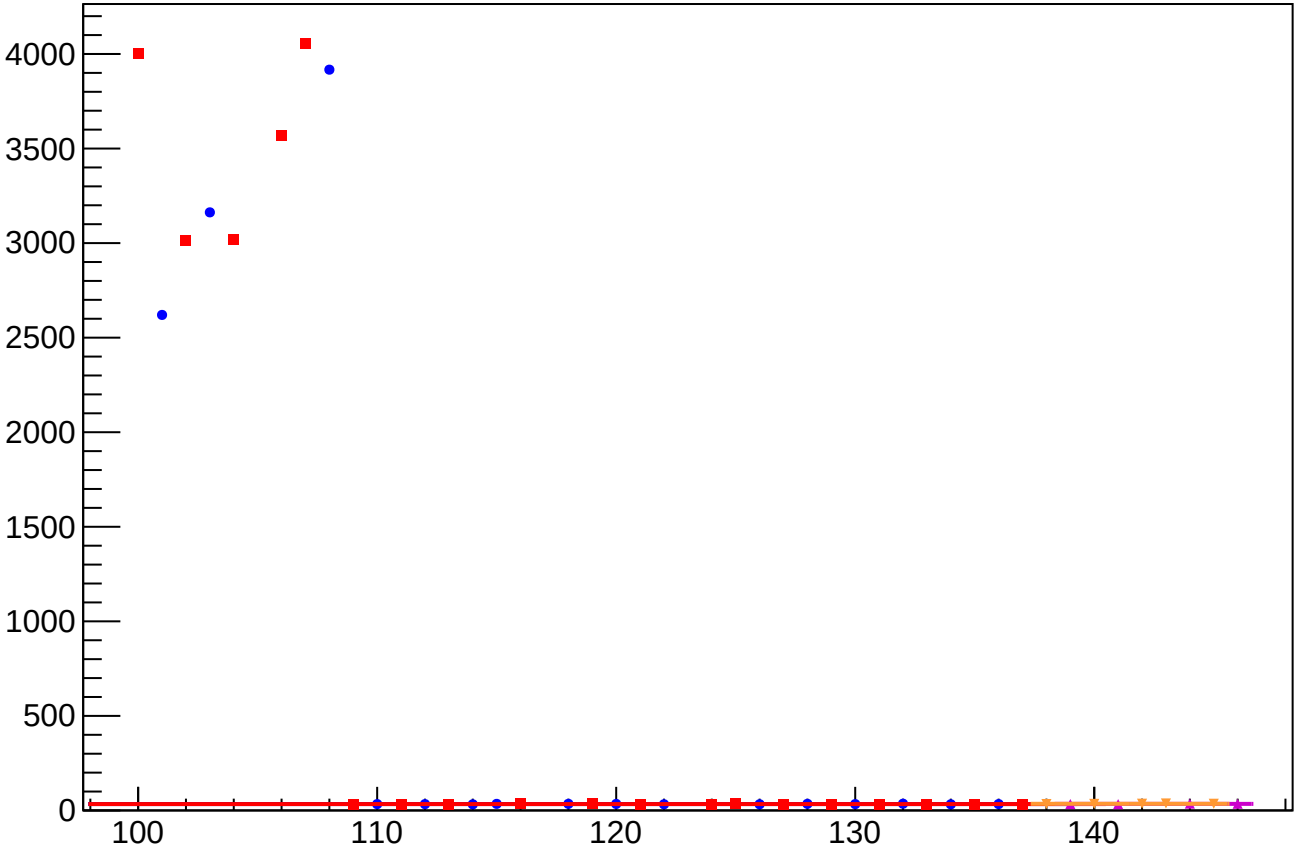
Left In: -3.241+/-18.527 χ^2/NDF:1.7/3

+ sign -9.947+/-11.290 χ^2/NDF: 28.1/20

All: -8.708+/-8.017 χ^2/NDF: 53.3/43

- sign -7.449+/-11.386 χ^2/NDF: 25.2/22

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.212+/-0.013 χ^2/NDF:6224.5/4

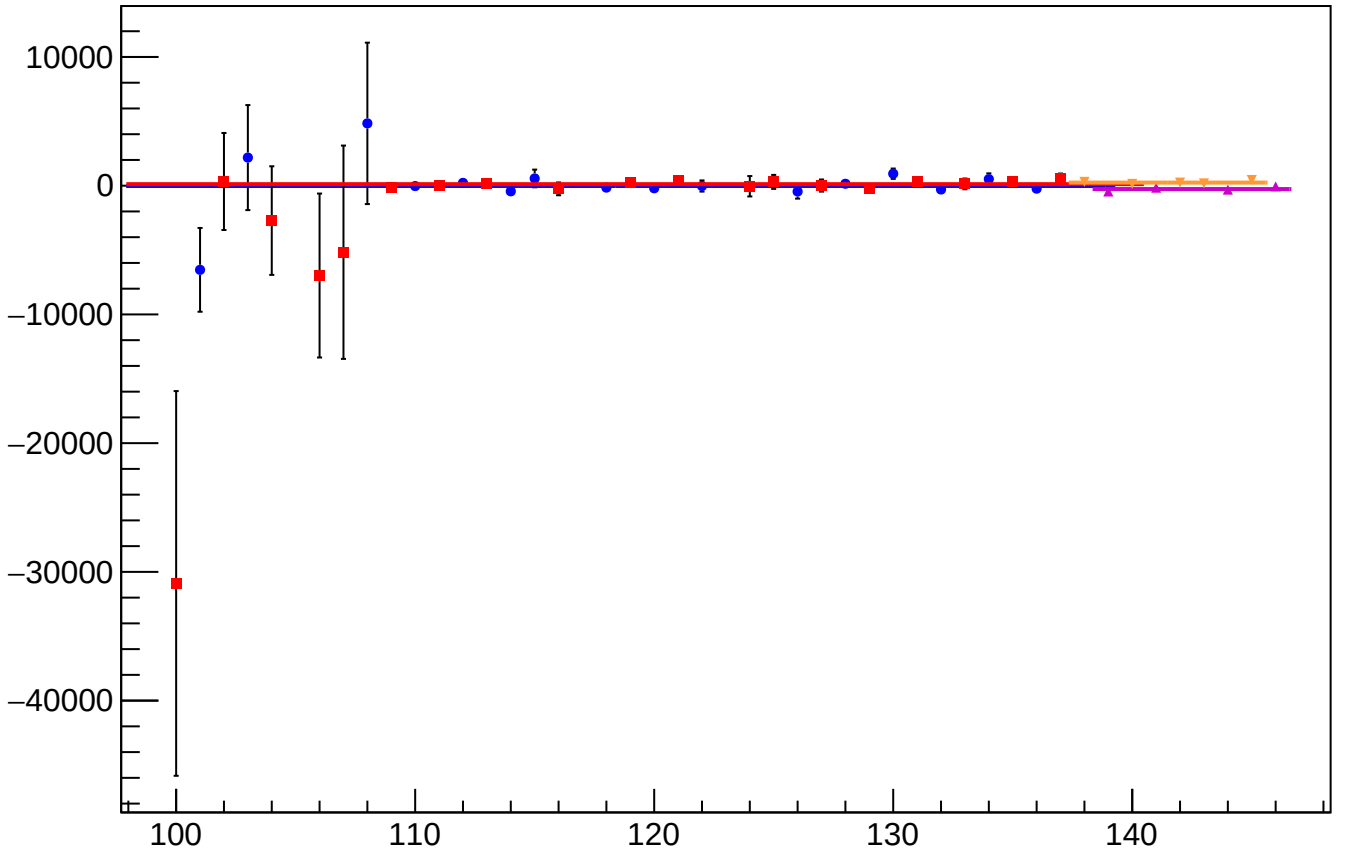
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.767+/-0.013 χ^2/NDF:6764.5/3

+ sign 34.395+/-0.008 χ^2/NDF: 3256958.5/20

All: 34.258+/-0.006 χ^2/NDF: 6794707.5/43

- sign 34.119+/-0.008 χ^2/NDF: 3537159.9/22



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 241.862+/-128.351 χ^2/NDF:0.6/4

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

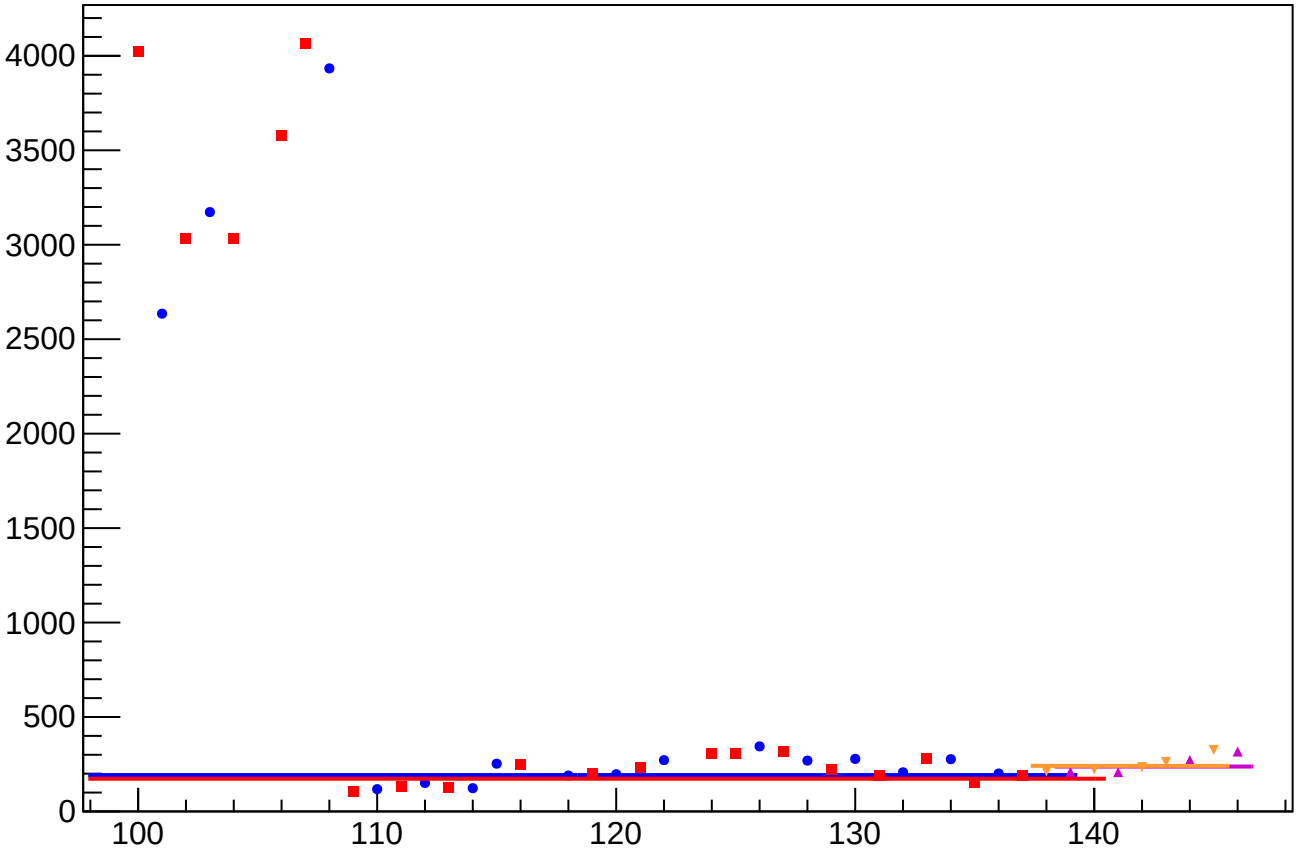
Left In: -260.272+/-129.456 χ^2/NDF:1.3/3

+ sign 60.247+/-70.905 χ^2/NDF: 21.6/20

All: 37.849+/-48.735 χ^2/NDF: 42.7/43

- sign 17.794+/-67.095 χ^2/NDF: 20.9/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 241.483+/-0.091 χ^2/NDF:160204.6/4

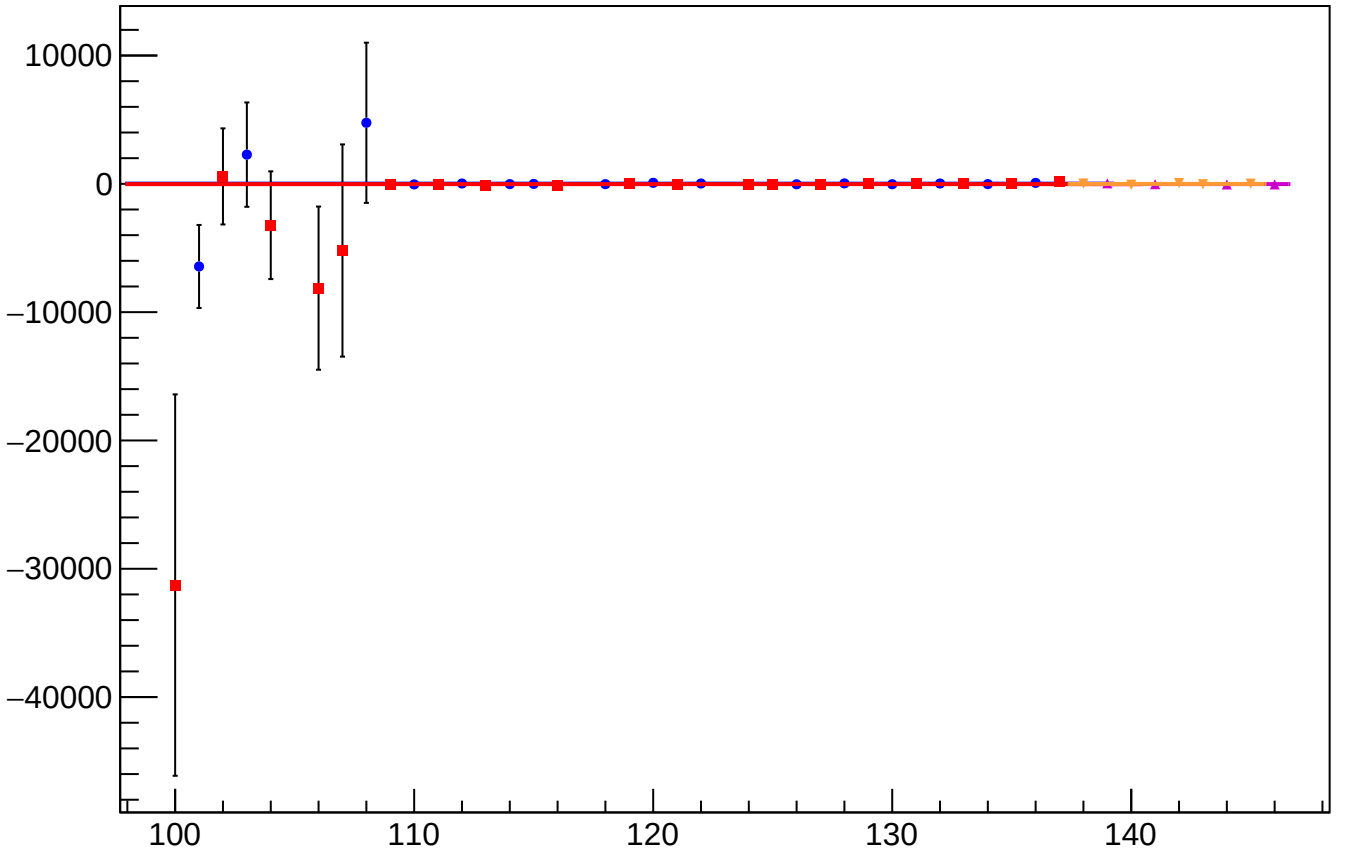
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 237.732+/-0.092 χ^2/NDF:204252.9/3

+ sign 207.490+/-0.050 χ^2/NDF: 4184891.1/20

All: 198.564+/-0.034 χ^2/NDF: 9119574.7/43

- sign 190.570+/-0.047 χ^2/NDF: 4874598.1/22



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -6.917+/-16.946 χ^2/NDF:6.5/4

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

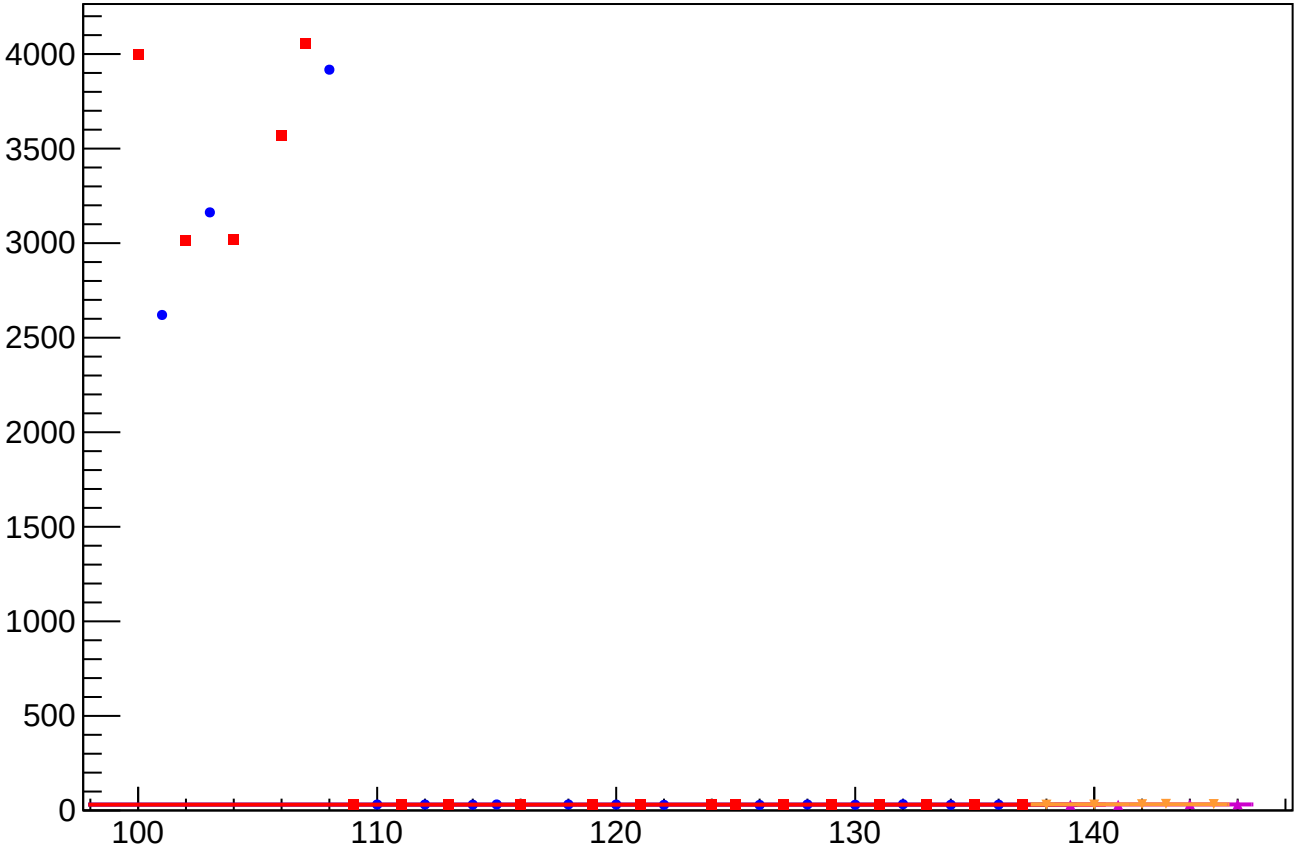
Left In: -18.422+/-16.965 χ^2/NDF:4.3/3

+ sign 6.024+/-10.345 χ^2/NDF: 22.9/20

All: -7.615+/-7.338 χ^2/NDF: 59.5/43

- sign -21.420+/-10.409 χ^2/NDF: 33.1/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.401+/-0.012 χ^2/NDF:17658.3/4

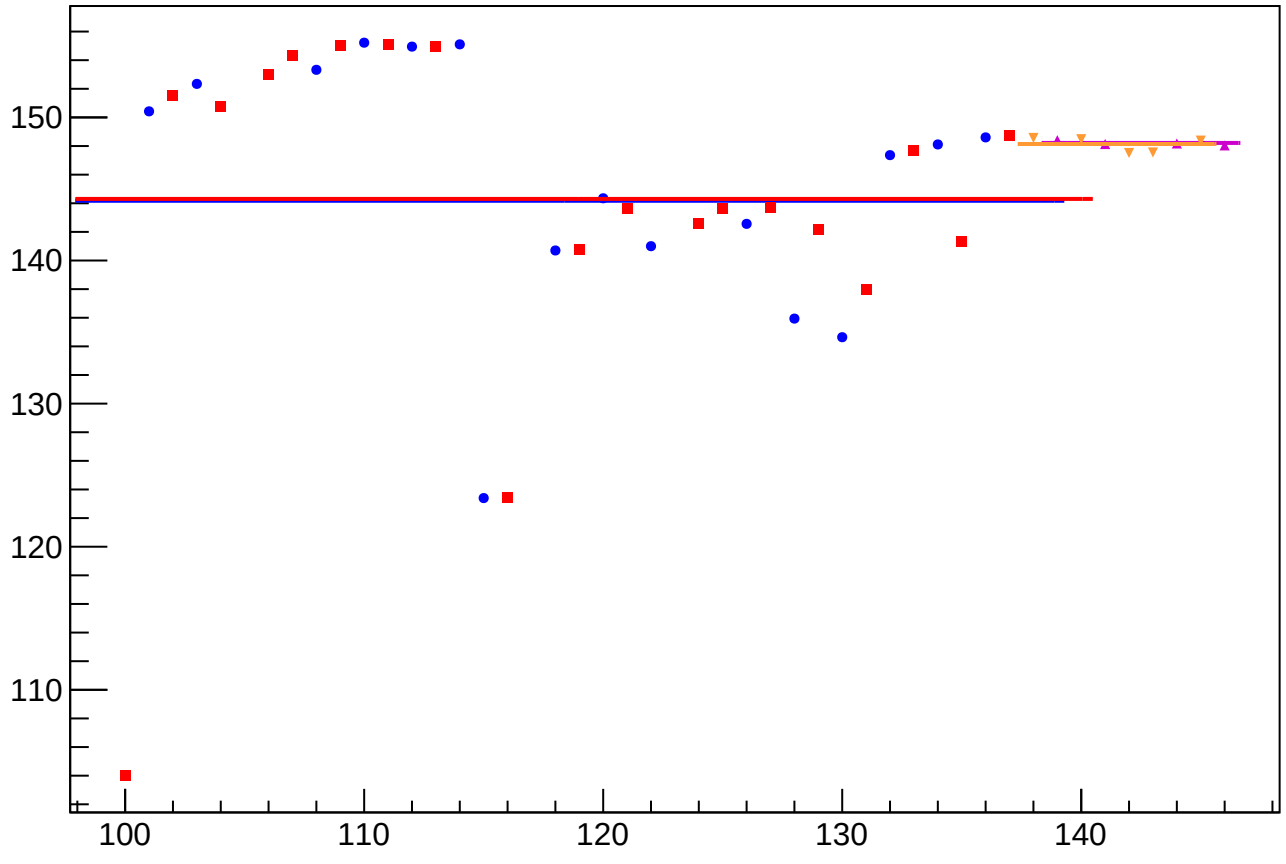
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.803+/-0.012 χ^2/NDF:17552.1/3

+ sign 31.477+/-0.007 χ^2/NDF: 3279737.2/20

All: 31.321+/-0.005 χ^2/NDF: 6839004.2/43

- sign 31.163+/-0.007 χ^2/NDF: 3558352.7/22



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.142+/-0.000 χ^2/NDF:7772747.4/4

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

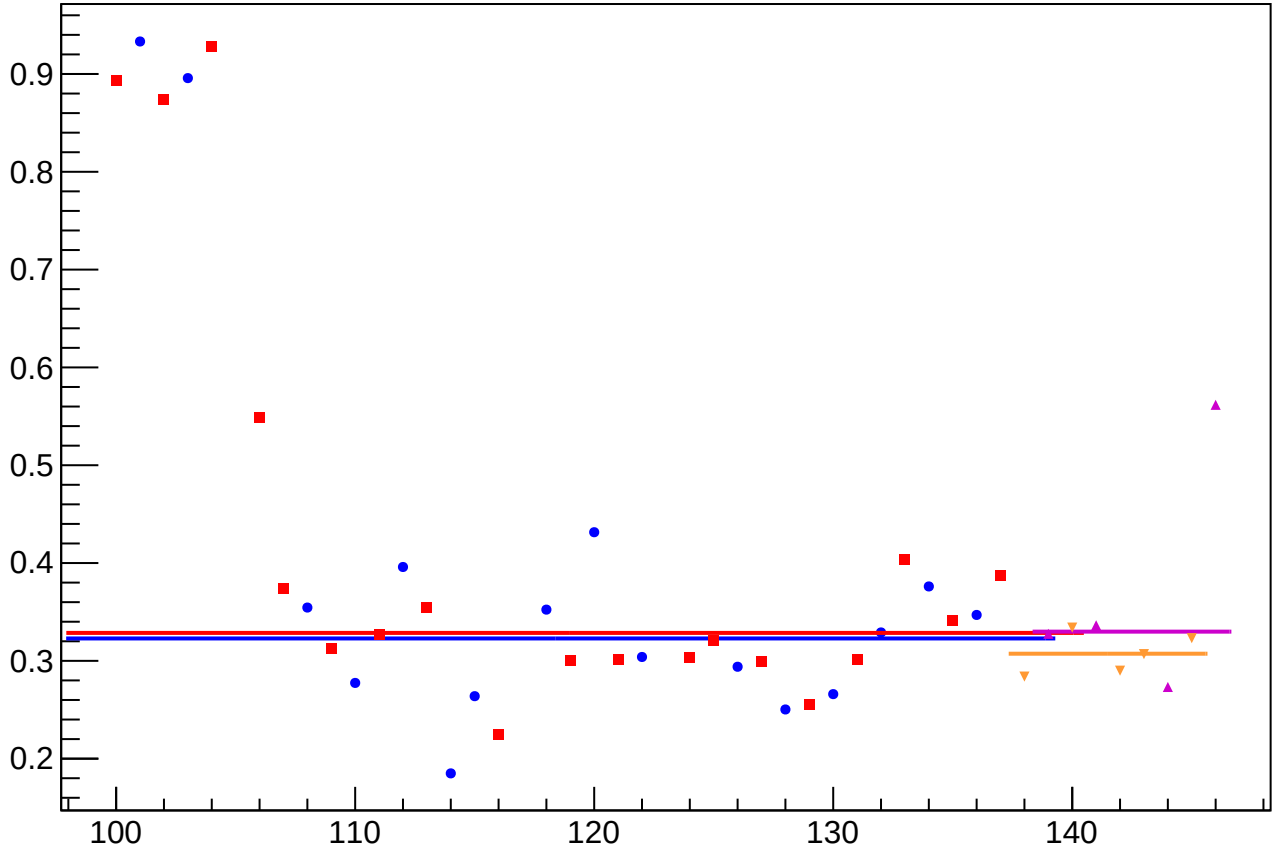
Left In: 148.217+/-0.000 χ^2/NDF:423982.5/3

+ sign 145.736+/-0.000 χ^2/NDF: 4085607213.8/20

All: 145.692+/-0.000 χ^2/NDF: 8646874242.1

- sign 145.644+/-0.000 χ^2/NDF: 4560885601.9/22

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.307+/-0.000 χ^2/NDF:27346.7/4

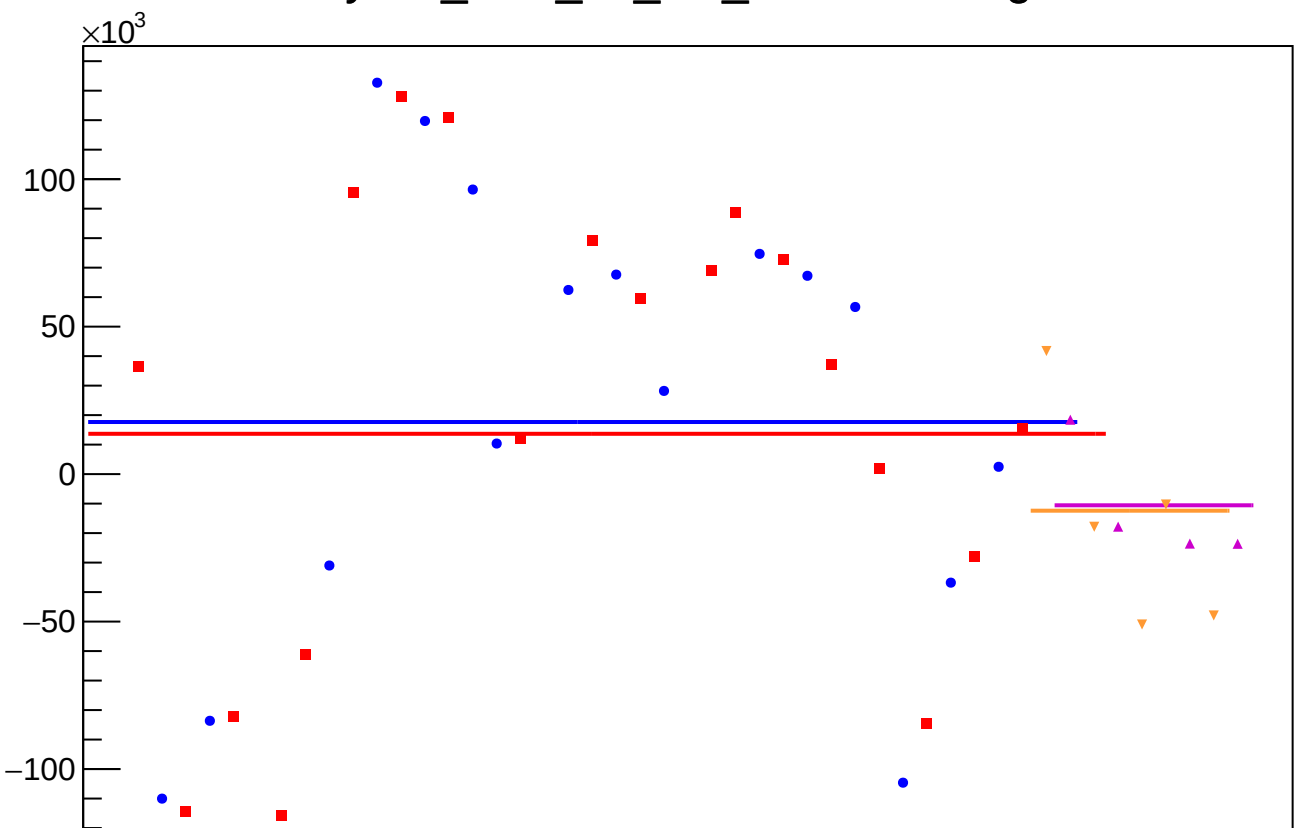
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.330+/-0.000 χ^2/NDF:362901.2/3

+ sign 0.317+/-0.000 χ^2/NDF: 1434279.2/20

All: 0.323+/-0.000 χ^2/NDF: 3114876.4/43

- sign 0.329+/-0.000 χ^2/NDF: 1667114.8/22



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -12402.753+/-2.663 χ^2/NDF:168753727.6/4

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

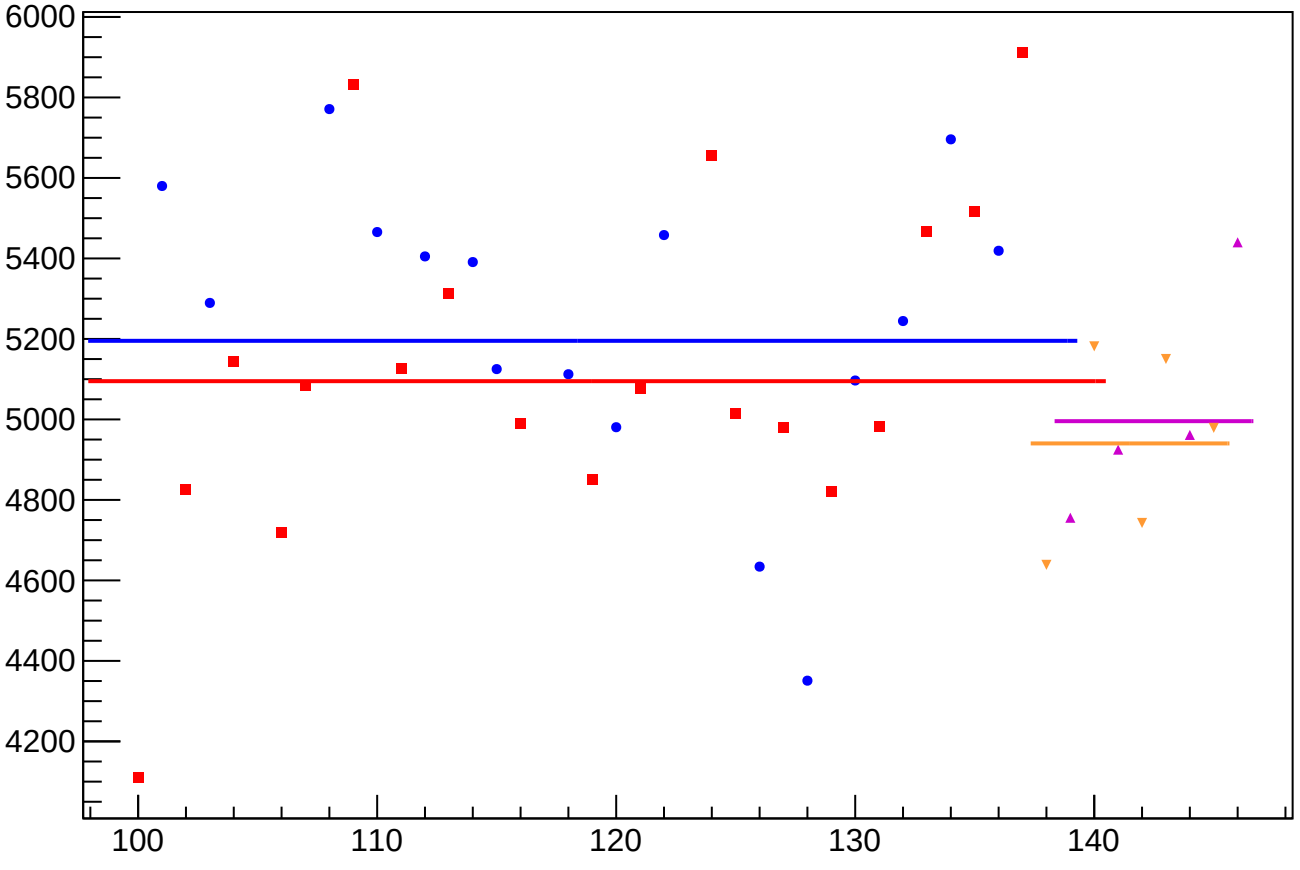
Left In: -10573.806+/-2.783 χ^2/NDF:41837672.0/3

+ sign 6779.906+/-1.602 χ^2/NDF: 1648852462.3/20

All: 6294.859+/-1.126 χ^2/NDF: 3599157238.

- sign 5821.162+/-1.583 χ^2/NDF: 1950123557.1/22

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4940.359+/-1.883 χ^2/NDF:13774.4/4

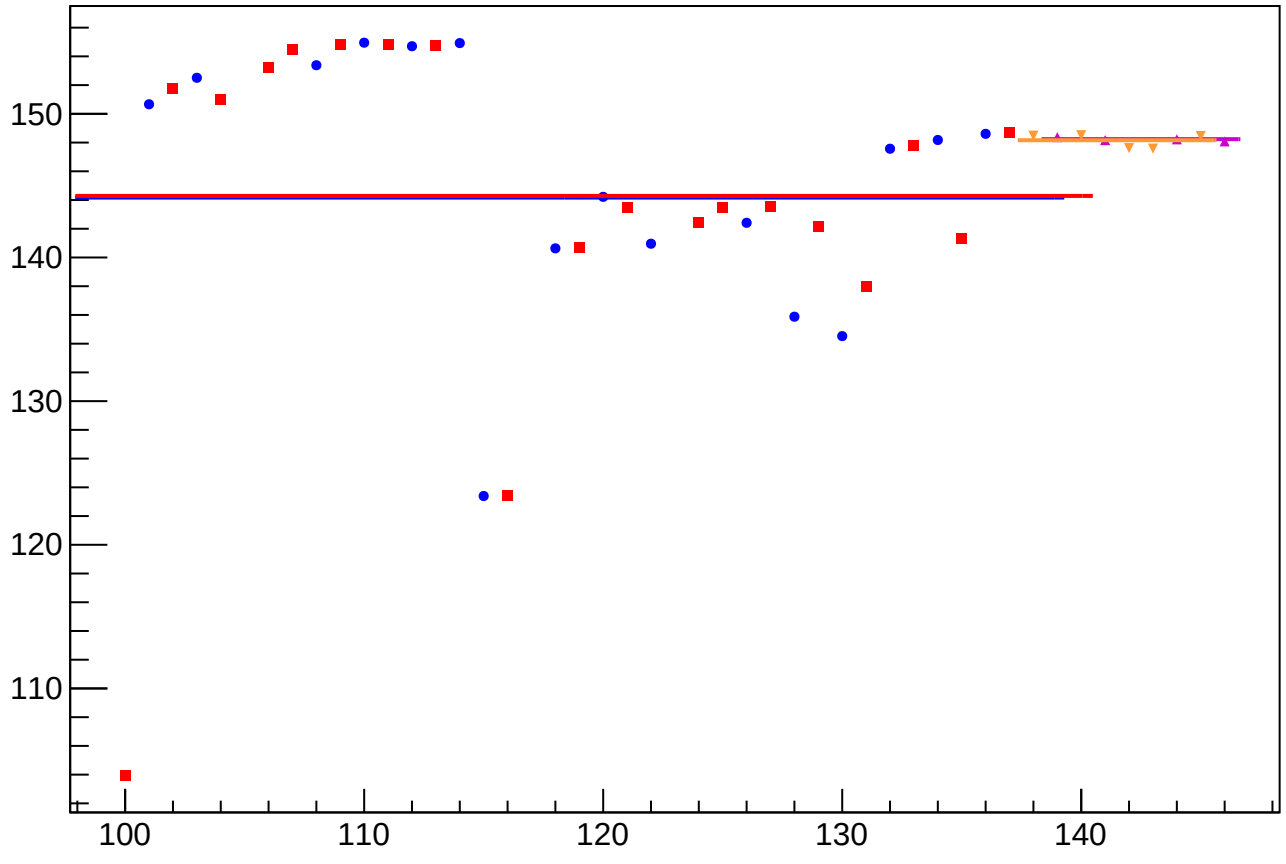
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4995.675+/-1.968 χ^2/NDF:15144.4/3

+ sign 5103.012+/-1.133 χ^2/NDF: 102639.3/20

All: 5082.712+/-0.796 χ^2/NDF: 179255.7/43

- sign 5062.886+/-1.119 χ^2/NDF: 75981.5/22



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.162+/-0.000 χ^2/NDF:6849521.3/4

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

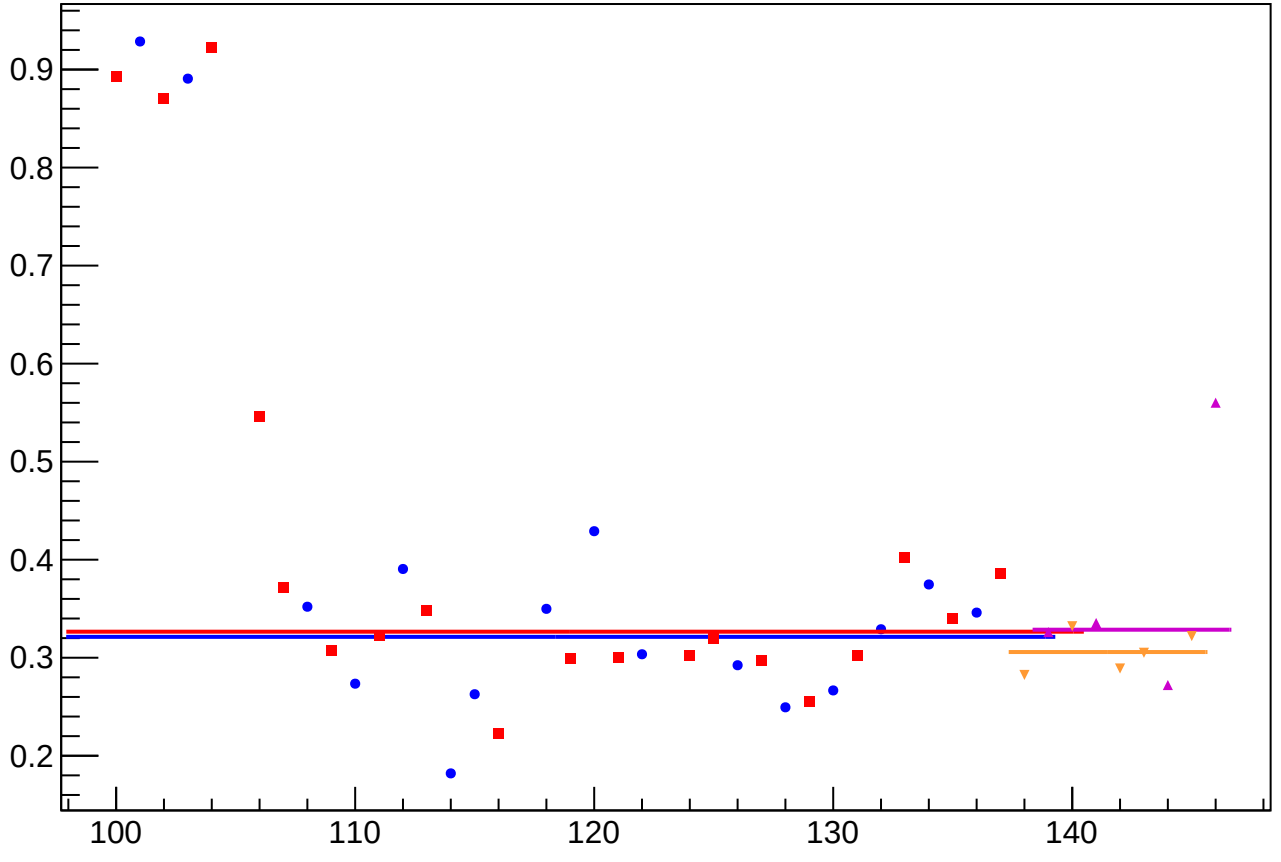
Left In: 148.238+/-0.000 χ^2/NDF:253000.9/3

+ sign 145.742+/-0.000 χ^2/NDF: 4132788419.1/20

All: 145.691+/-0.000 χ^2/NDF: 8728305535.2

- sign 145.635+/-0.000 χ^2/NDF: 4595005066.2/22

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.306+/-0.000 χ^2/NDF:27272.9/4

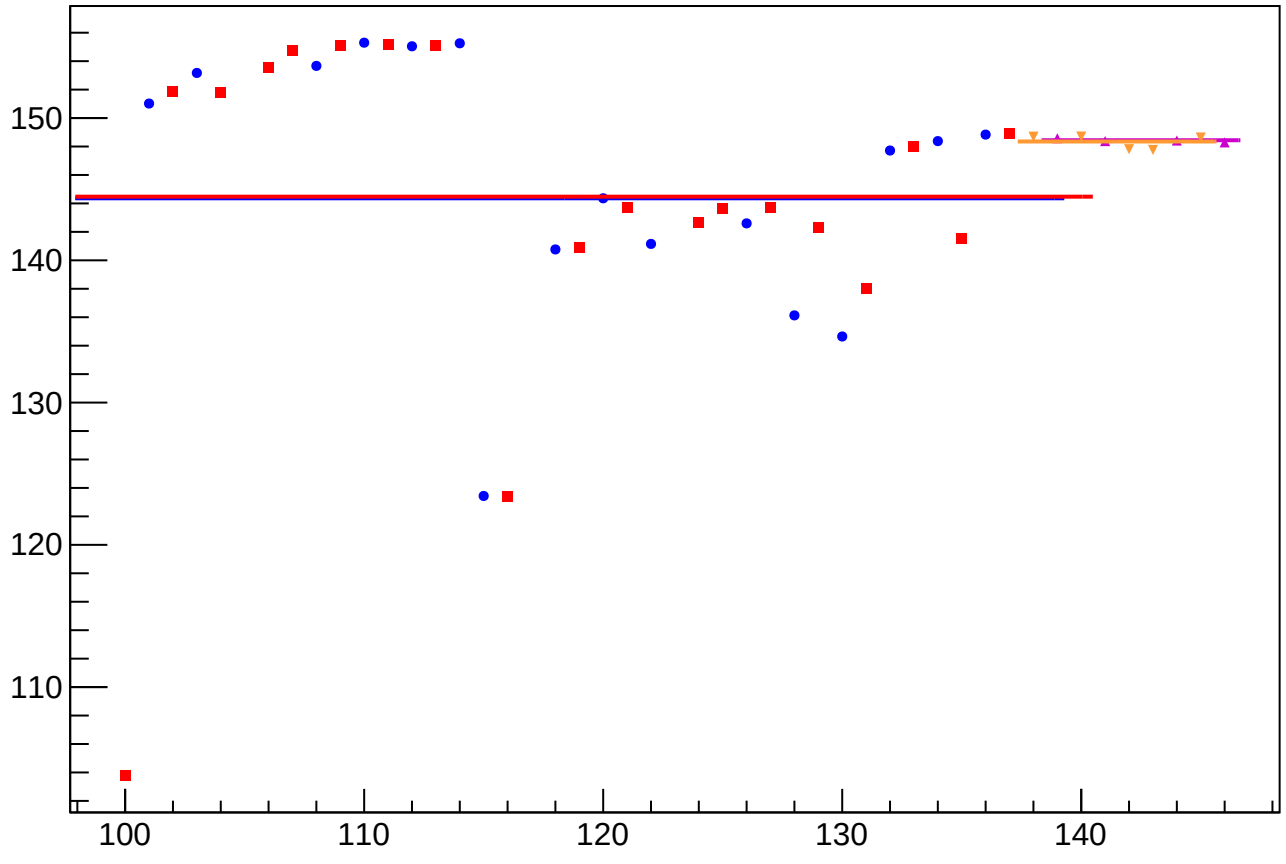
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.329+/-0.000 χ^2/NDF:364067.3/3

+ sign 0.315+/-0.000 χ^2/NDF: 1434388.6/20

All: 0.321+/-0.000 χ^2/NDF: 3114508.1/43

- sign 0.327+/-0.000 χ^2/NDF: 1666958.9/22



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.354+/-0.000 χ^2/NDF:6883751.3/4

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

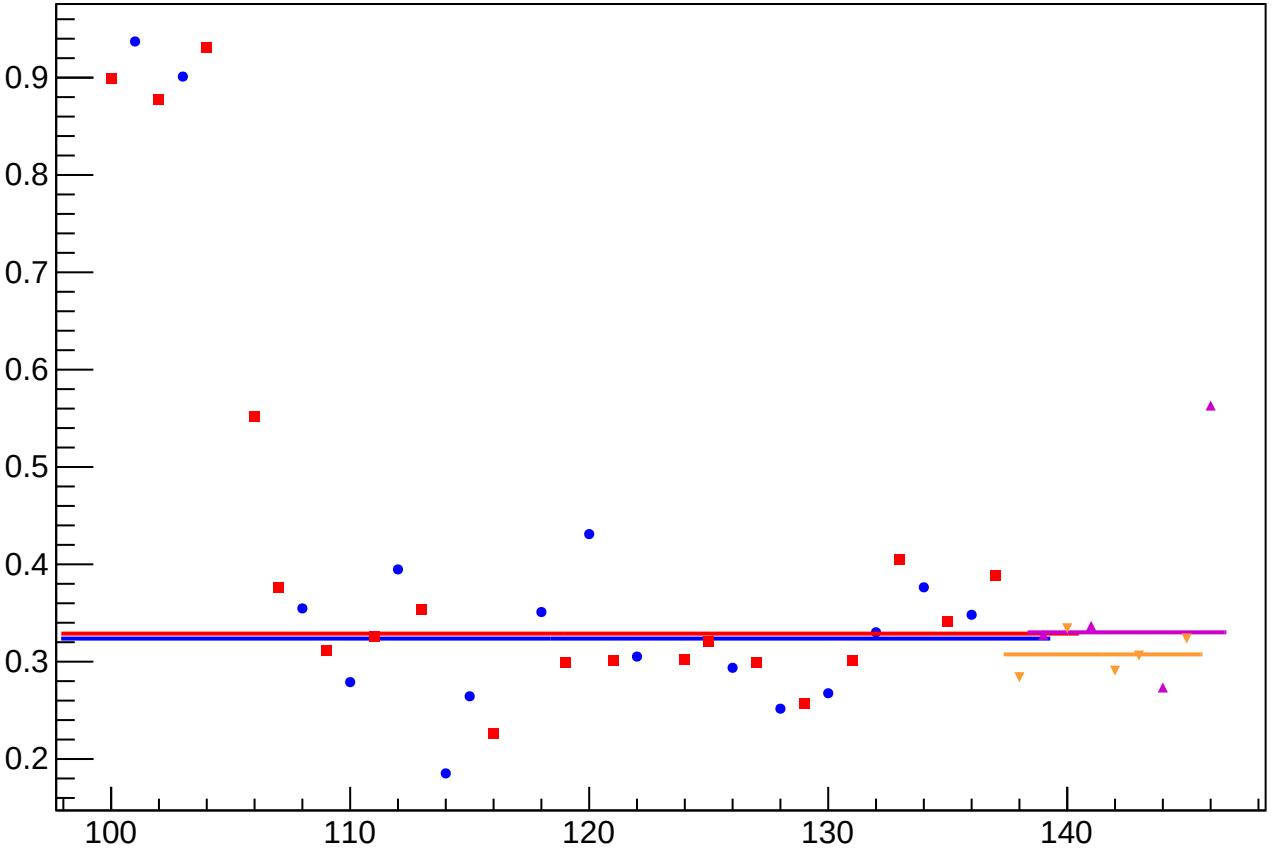
Left In: 148.441+/-0.000 χ^2/NDF:239191.8/3

+ sign 145.935+/-0.000 χ^2/NDF: 4122667251.0/20

All: 145.886+/-0.000 χ^2/NDF: 8708791815.6

- sign 145.832+/-0.000 χ^2/NDF: 4585648096.4/22

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.307+/-0.000 χ^2/NDF:27418.3/4

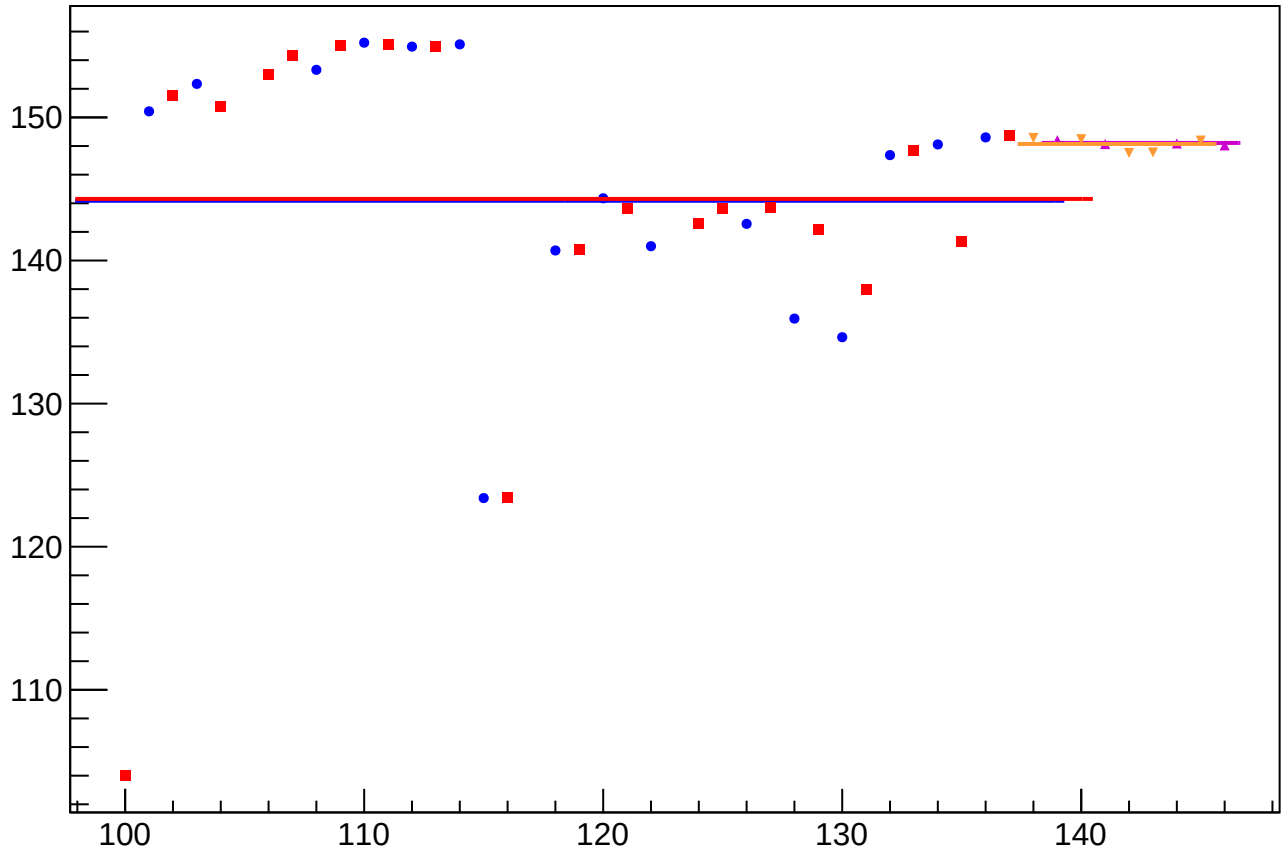
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.330+/-0.000 χ^2/NDF:364172.7/3

+ sign 0.317+/-0.000 χ^2/NDF: 1431610.8/20

All: 0.323+/-0.000 χ^2/NDF: 3111878.6/43

- sign 0.329+/-0.000 χ^2/NDF: 1667461.4/22



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.142+/-0.000 χ^2/NDF:7772747.4/4

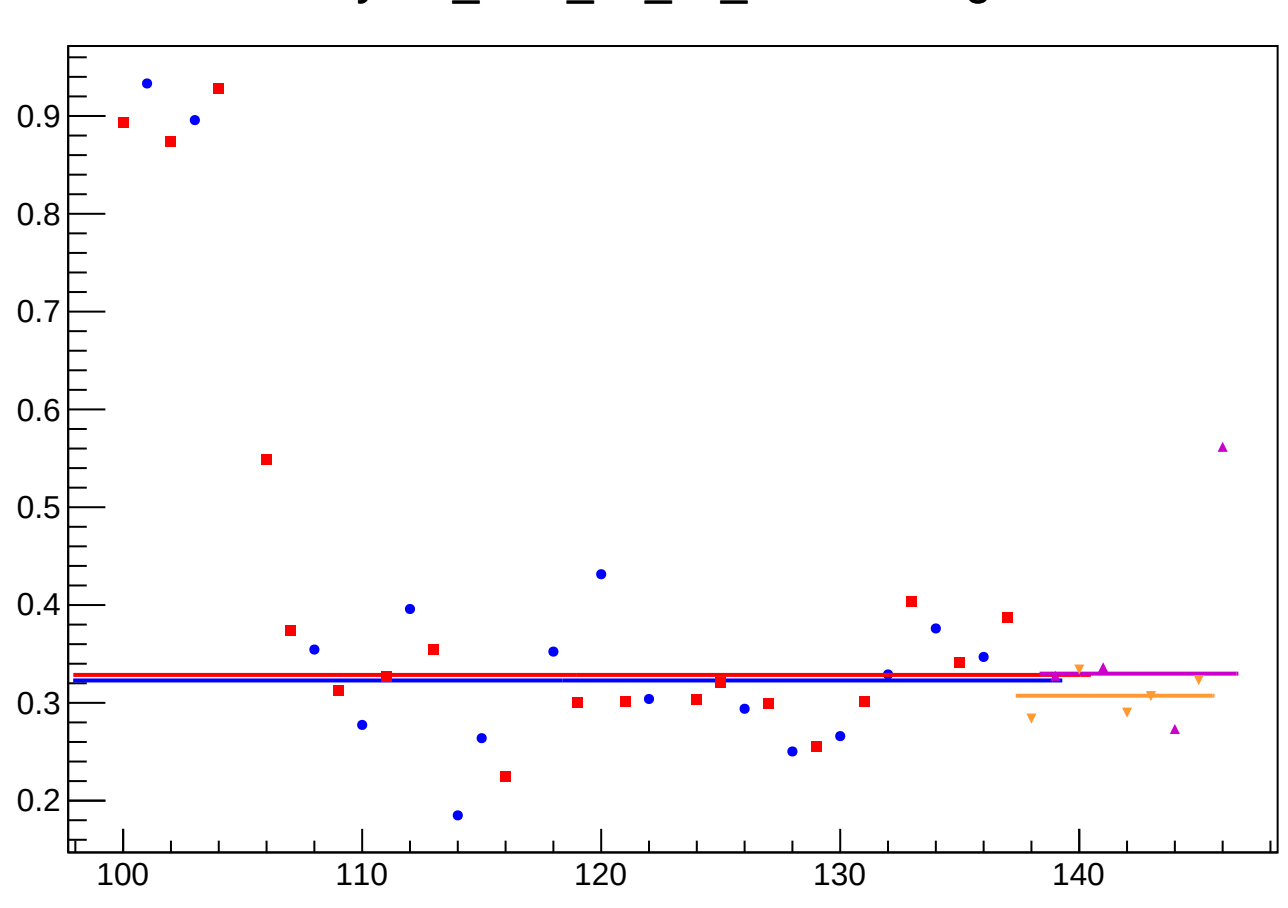
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.217+/-0.000 χ^2/NDF:423982.5/3

+ sign 145.736+/-0.000 χ^2/NDF: 4085607213.8/20

All: 145.692+/-0.000 χ^2/NDF: 8646874242.1

- sign 145.644+/-0.000 χ^2/NDF: 4560885601.9/22



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.307+/-0.000 χ^2/NDF:27346.7/4

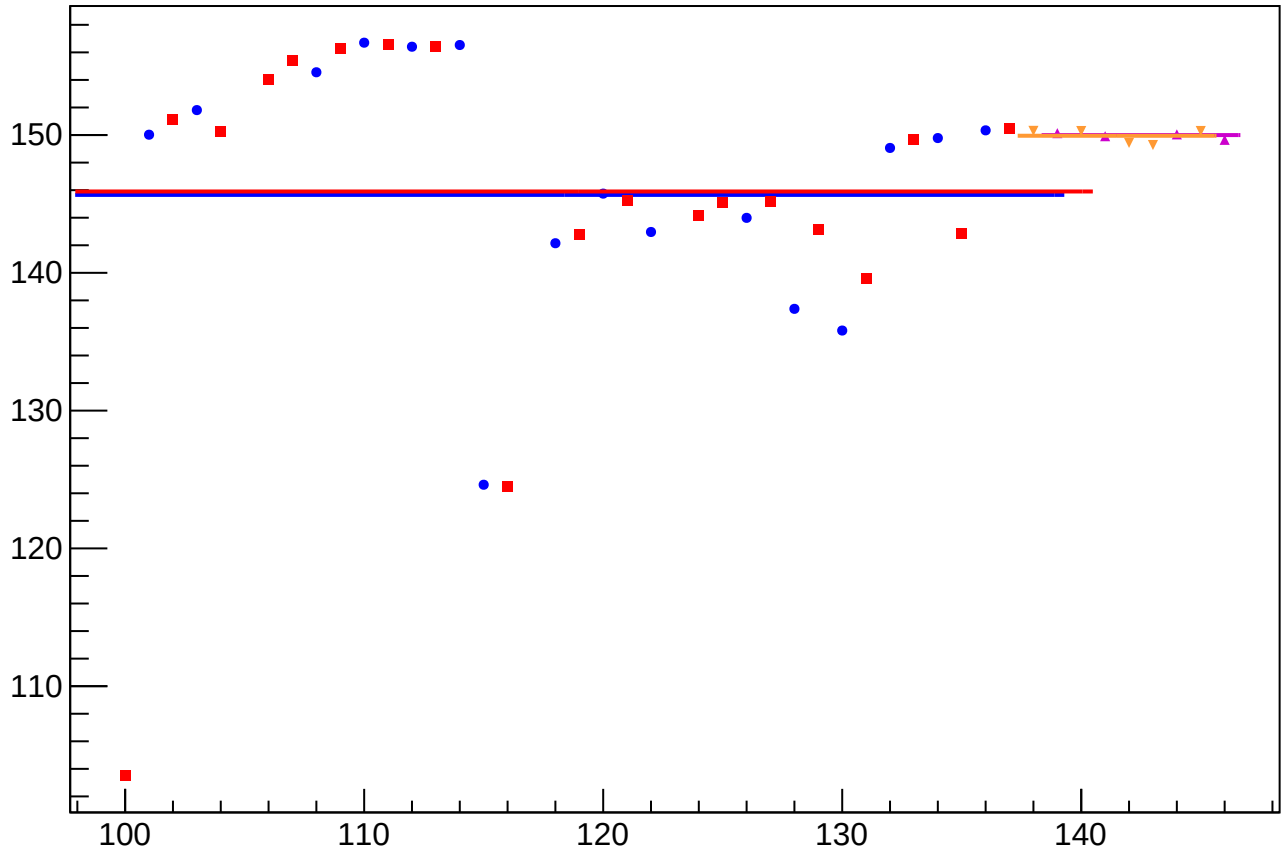
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.330+/-0.000 χ^2/NDF:362901.2/3

+ sign 0.317+/-0.000 χ^2/NDF: 1434279.2/20

All: 0.323+/-0.000 χ^2/NDF: 3114876.4/43

- sign 0.329+/-0.000 χ^2/NDF: 1667114.8/22



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.950+/-0.000 χ^2/NDF:6815024.6/4

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

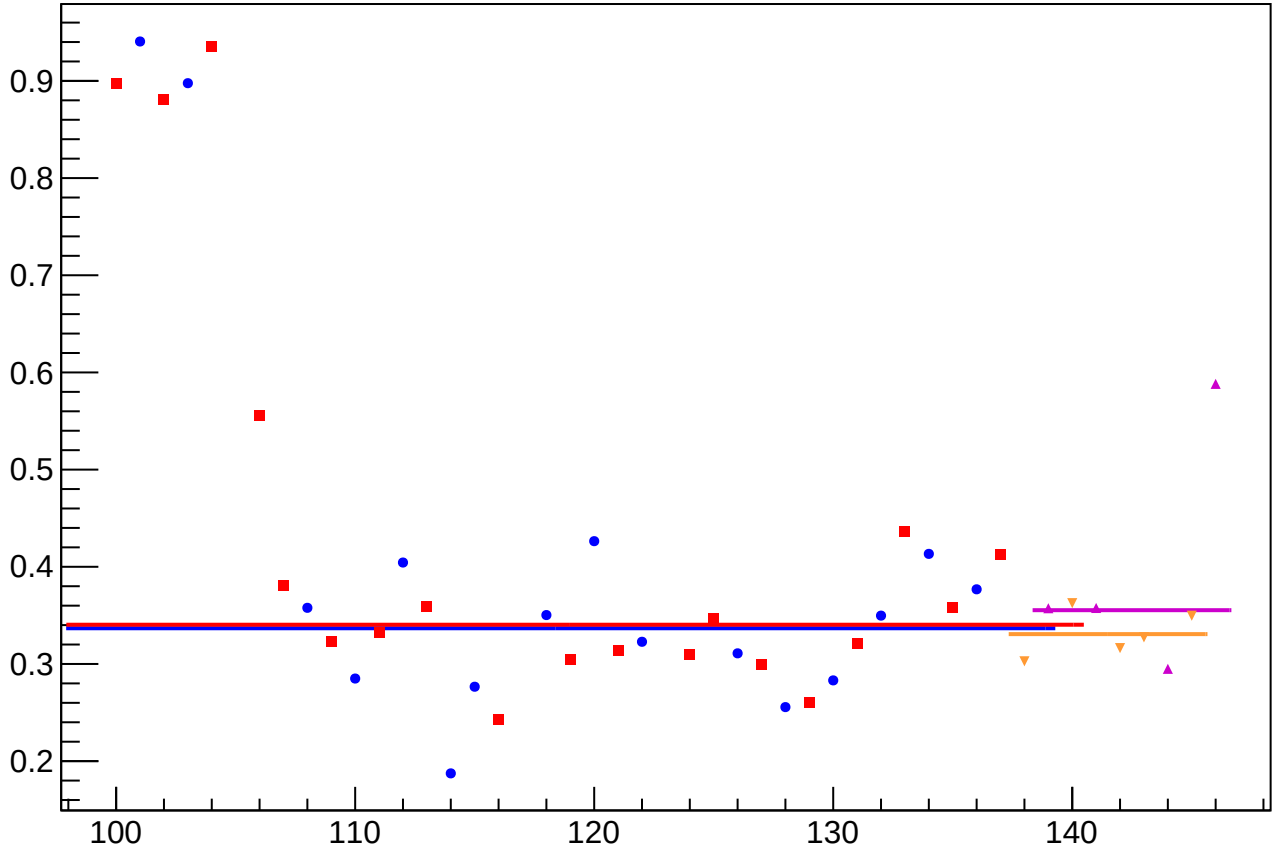
Left In: 149.998+/-0.000 χ^2/NDF:483529.1/3

+ sign 147.270+/-0.000 χ^2/NDF: 3851460100.1/20

All: 147.252+/-0.000 χ^2/NDF: 8001096484.6

- sign 147.234+/-0.000 χ^2/NDF: 4149583564.4/22

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.331+/-0.000 χ^2/NDF:31372.1/4

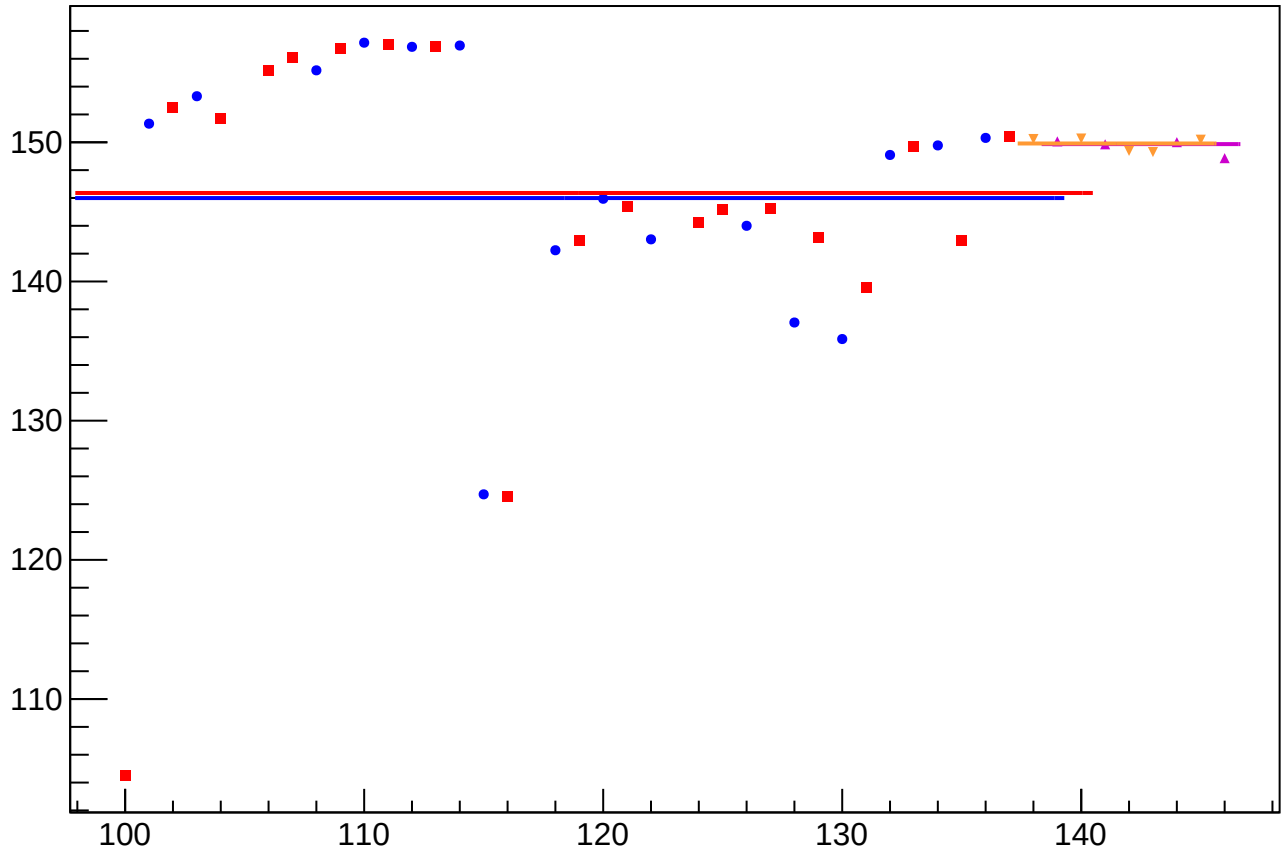
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.355+/-0.000 χ^2/NDF:335982.3/3

+ sign 0.334+/-0.000 χ^2/NDF: 1403316.3/20

All: 0.340+/-0.000 χ^2/NDF: 3031023.9/43

- sign 0.345+/-0.000 χ^2/NDF: 1618346.2/22



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.914+/-0.000 χ^2/NDF:5826059.5/4

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

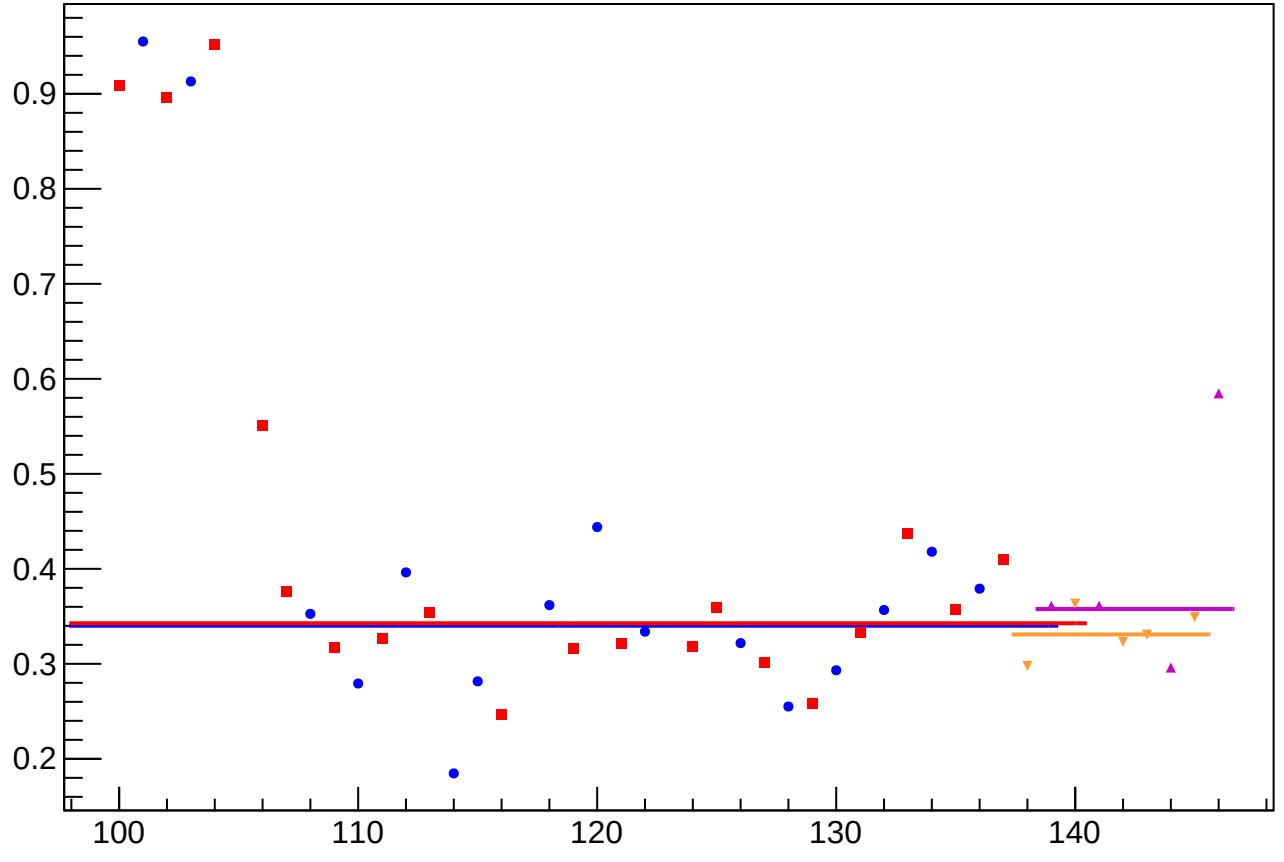
Left In: 149.870+/-0.000 χ^2/NDF:2931211.1/3

+ sign 147.481+/-0.000 χ^2/NDF: 3926527394.1/20

All: 147.490+/-0.000 χ^2/NDF: 8099706197.1

- sign 147.499+/-0.000 χ^2/NDF: 4173166838.8/22

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.331+/-0.000 χ^2/NDF:35480.4/4

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

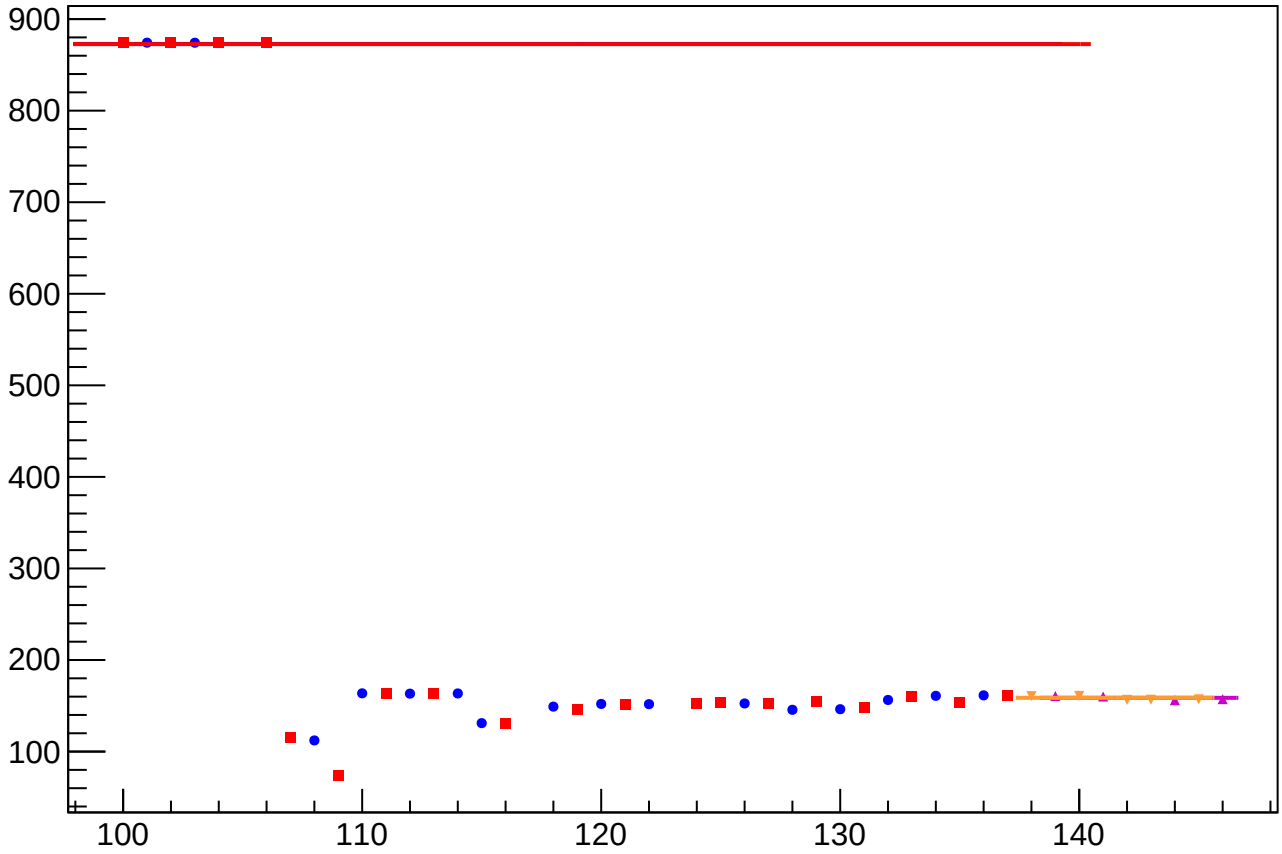
Left In: 0.358+/-0.000 χ^2/NDF:327478.5/3

+ sign 0.337+/-0.000 χ^2/NDF: 1431992.5/20

All: 0.342+/-0.000 χ^2/NDF: 3047311.7/43

- sign 0.348+/-0.000 χ^2/NDF: 1605817.0/22

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 158.723+/-0.000 χ^2/NDF:24941460.3/4

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

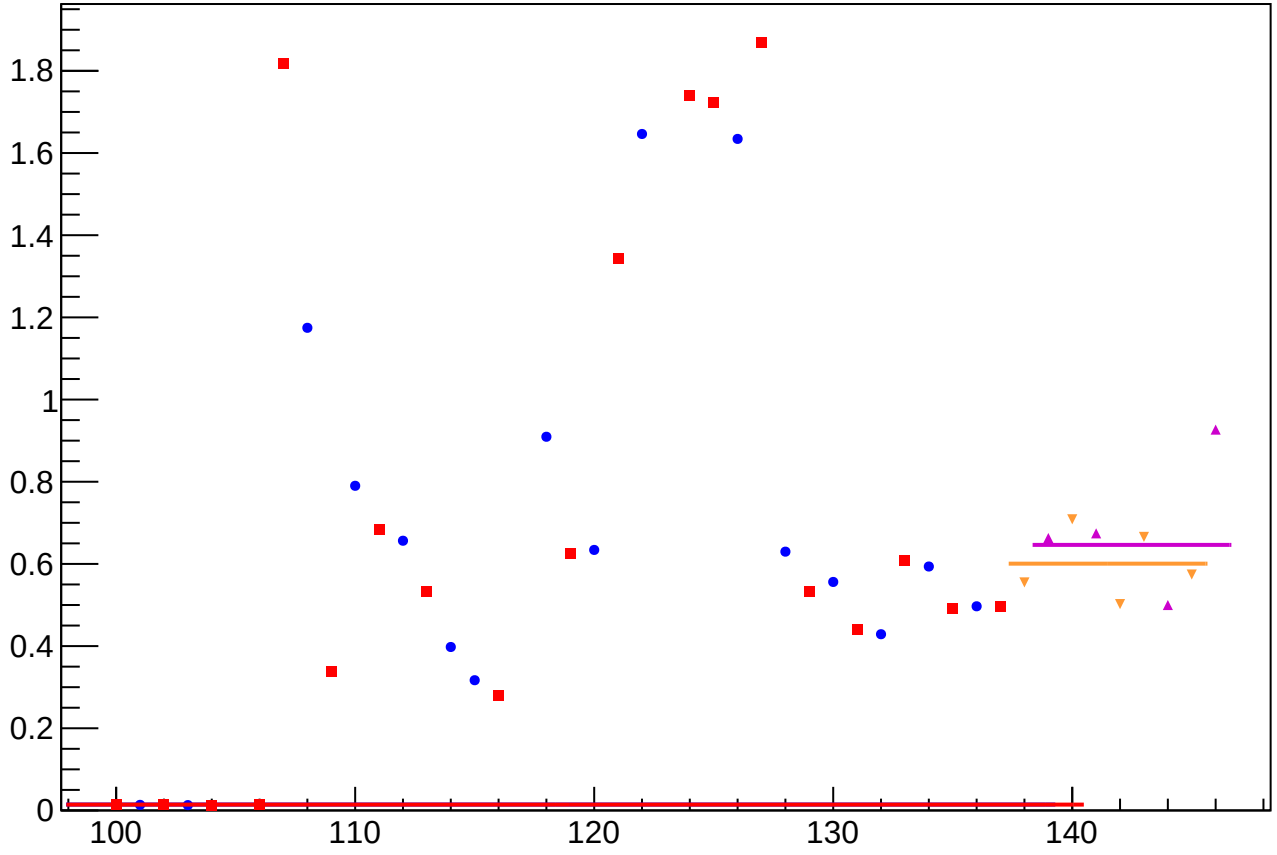
Left In: 158.696+/-0.000 χ^2/NDF:22293095.0/3

+ sign 872.156+/-0.000 χ^2/NDF: 10577469522407.

All: 872.173+/-0.000 χ^2/NDF: 22602558757

- sign 872.188+/-0.000 χ^2/NDF: 12025085374572.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.601+/-0.000 χ^2/NDF:66681.1/4

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

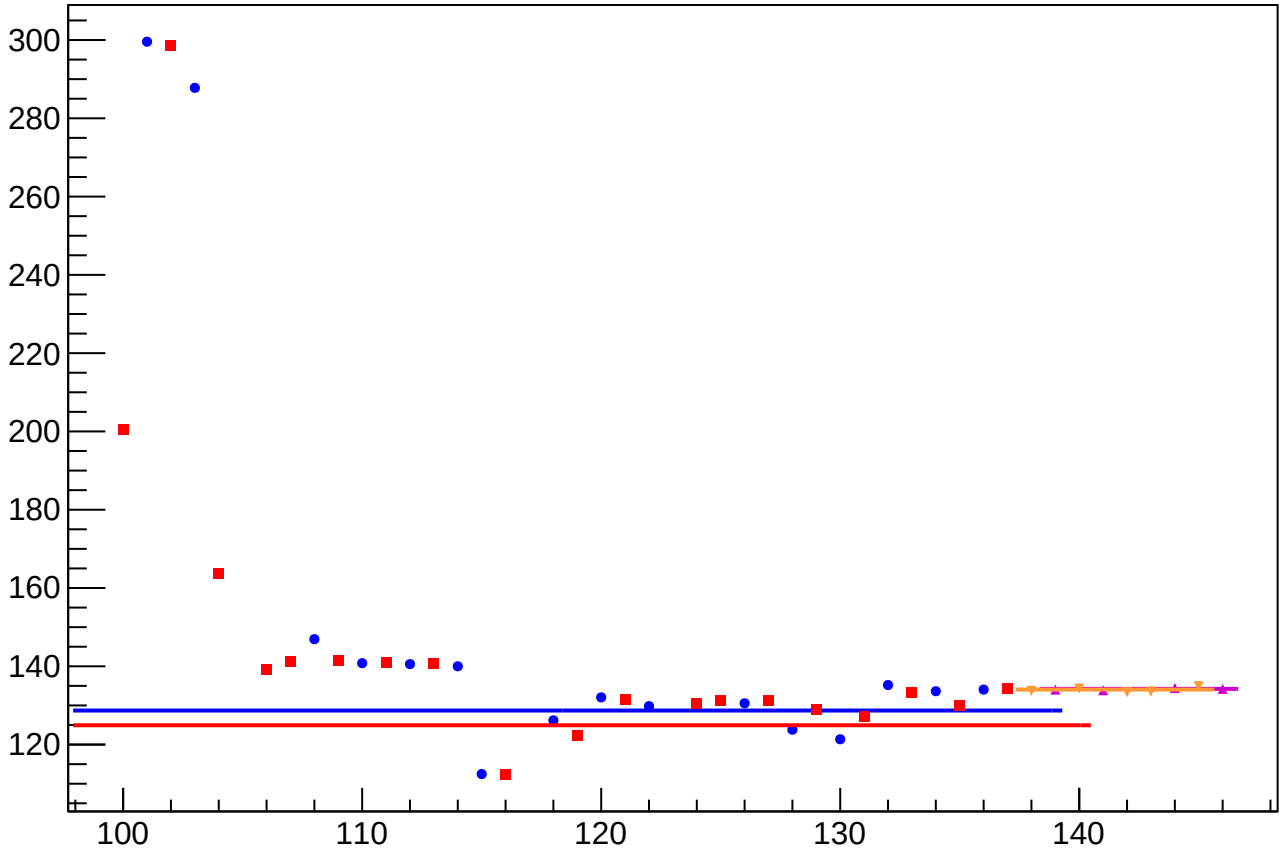
Left In: 0.646+/-0.000 χ^2/NDF:187578.8/3

+ sign 0.015+/-0.000 χ^2/NDF: 14252778.9/20

All: 0.015+/-0.000 χ^2/NDF: 28330105.5/43

- sign 0.015+/-0.000 χ^2/NDF: 14076827.4/22

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.052+/-0.000 χ^2/NDF:5815923.6/4

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

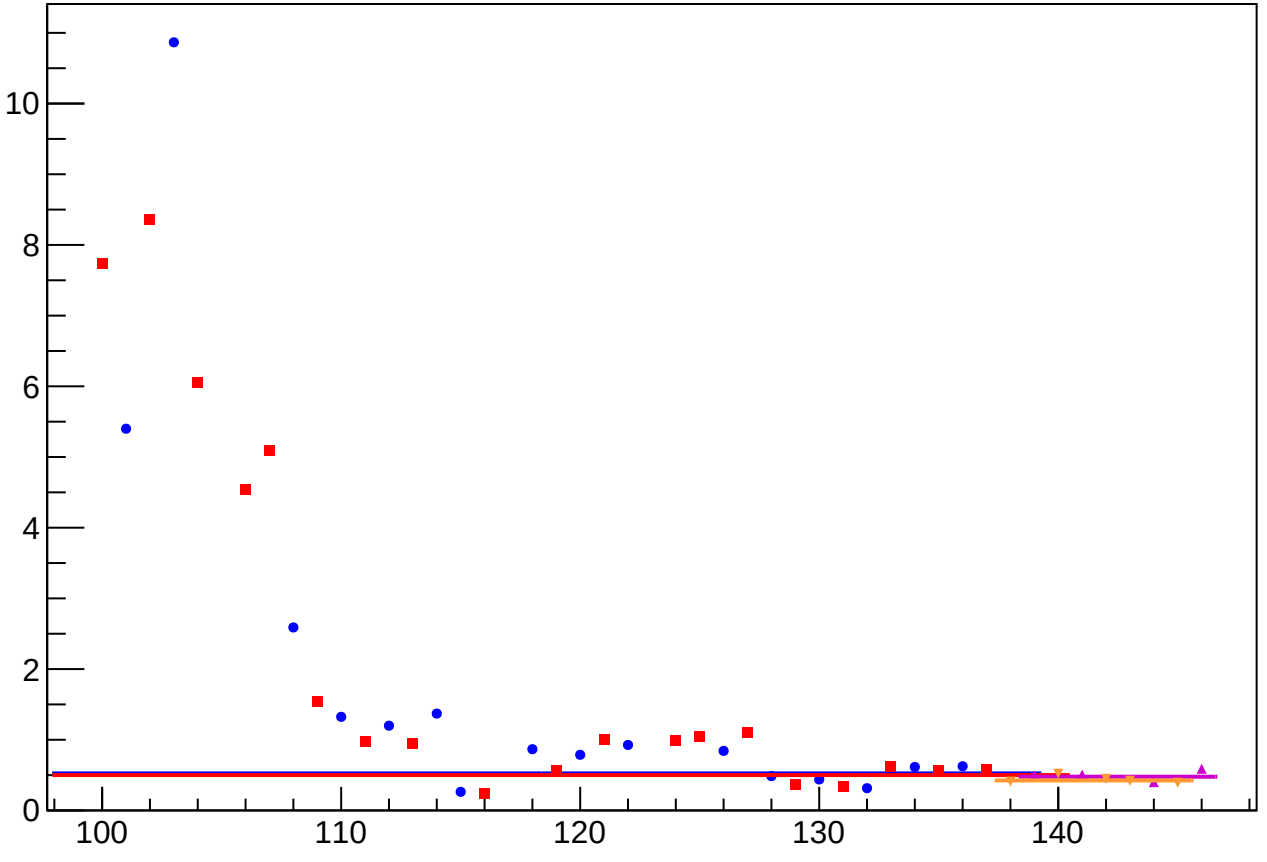
Left In: 134.232+/-0.000 χ^2/NDF:562903.0/3

+ sign 131.556+/-0.000 χ^2/NDF: 1866230959.5/20

All: 130.406+/-0.000 χ^2/NDF: 3890182203.1

- sign 129.113+/-0.000 χ^2/NDF: 1943472641.8/22

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.424+/-0.000 χ^2/NDF:45540.0/4

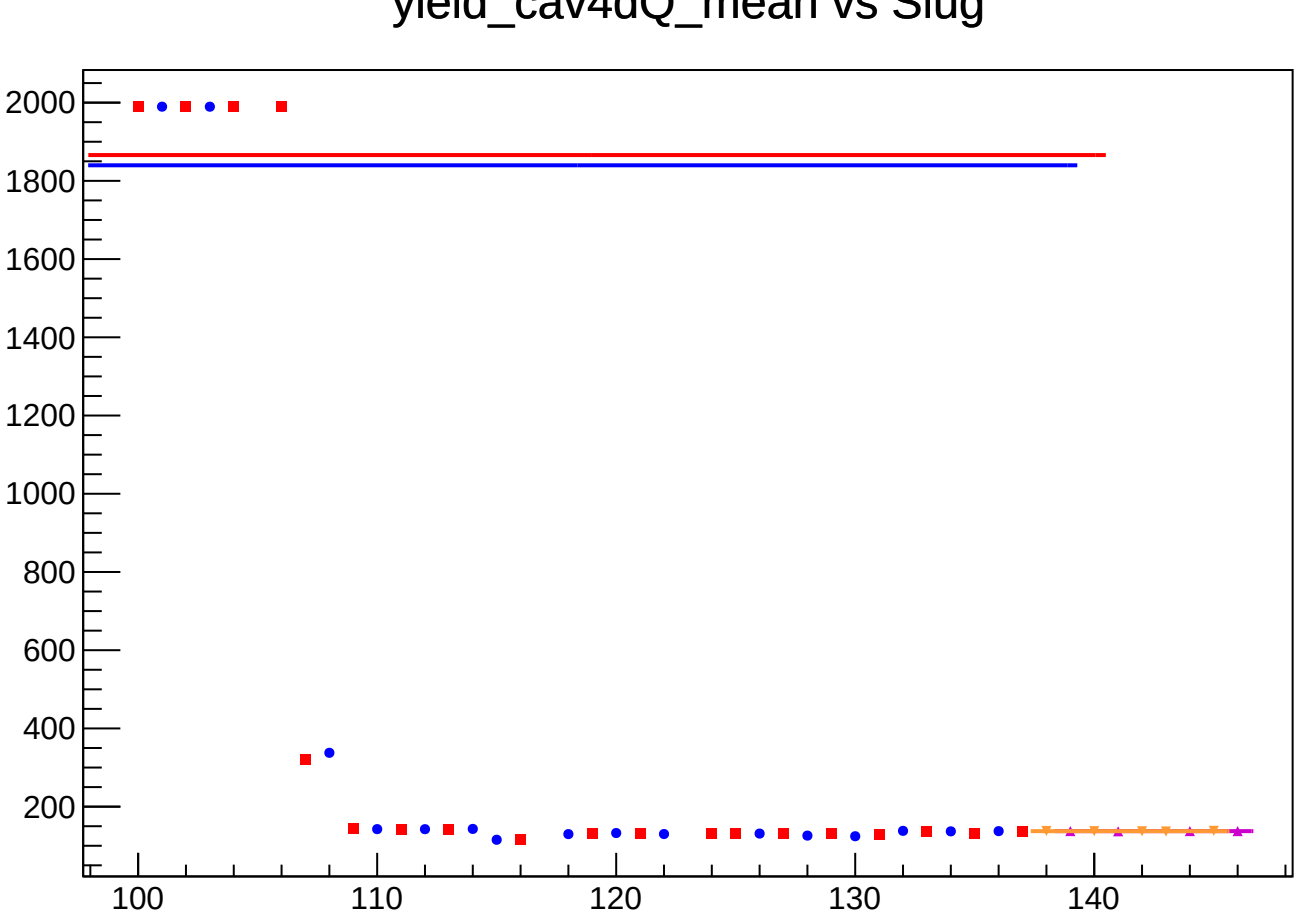
Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.477+/-0.000 χ^2/NDF:122956.5/3

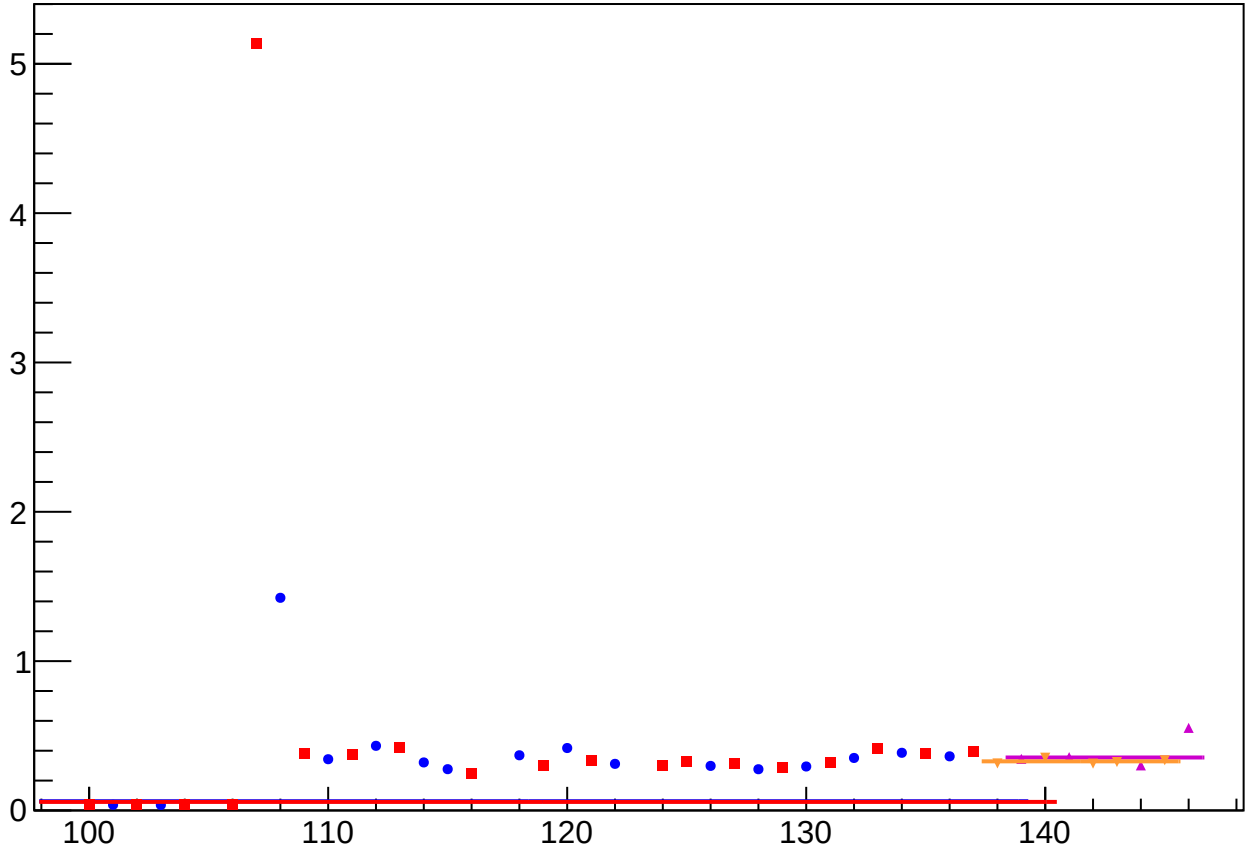
+ sign 0.471+/-0.000 χ^2/NDF: 4325744.9/20

All: 0.480+/-0.000 χ^2/NDF: 9349619.9/43

- sign 0.490+/-0.000 χ^2/NDF: 5013841.0/22


yield_cav4dQ_mean vs Slug
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
Right In: 1839.782+/-0.000 χ²/NDF: 145916014549797.4/15
Left Out: 137.353+/-0.000 χ²/NDF:12666533.1/4
Right Out: 1865.968+/-0.000 χ²/NDF: 142769122276045.8/18
Left In: 137.418+/-0.000 χ²/NDF:1331810.4/3
+ sign 1747.711+/-0.000 χ²/NDF: 2353115401887
All: 1776.365+/-0.000 χ²/NDF: 4534023089
- sign 1801.338+/-0.000 χ²/NDF: 21716428780080

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.329+/-0.000 χ^2/NDF:13920.0/4

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

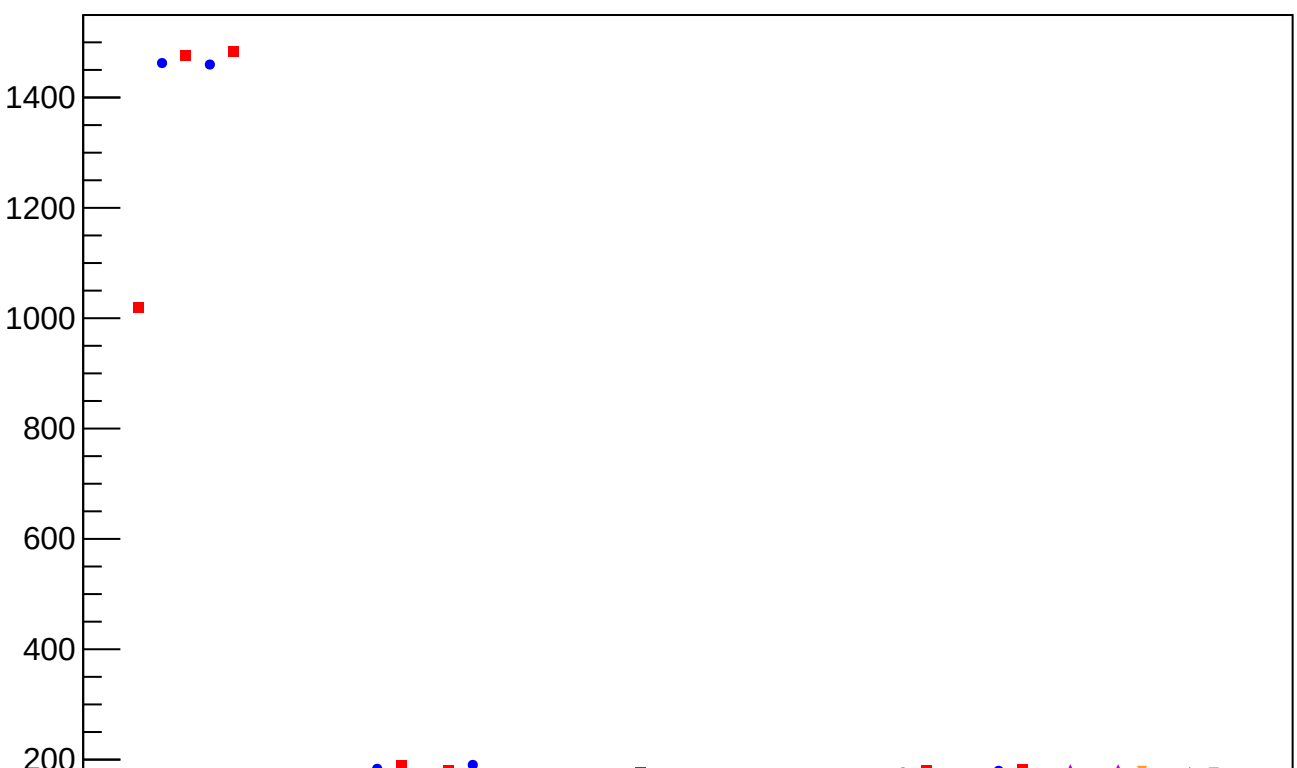
Left In: 0.355+/-0.000 χ^2/NDF:272536.8/3

+ sign 0.076+/-0.000 χ^2/NDF: 12589296.3/20

All: 0.072+/-0.000 χ^2/NDF: 25046579.5/43

- sign 0.068+/-0.000 χ^2/NDF: 12417950.1/22

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 172.997+/-0.001 χ^2/NDF:67854853.1/4

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

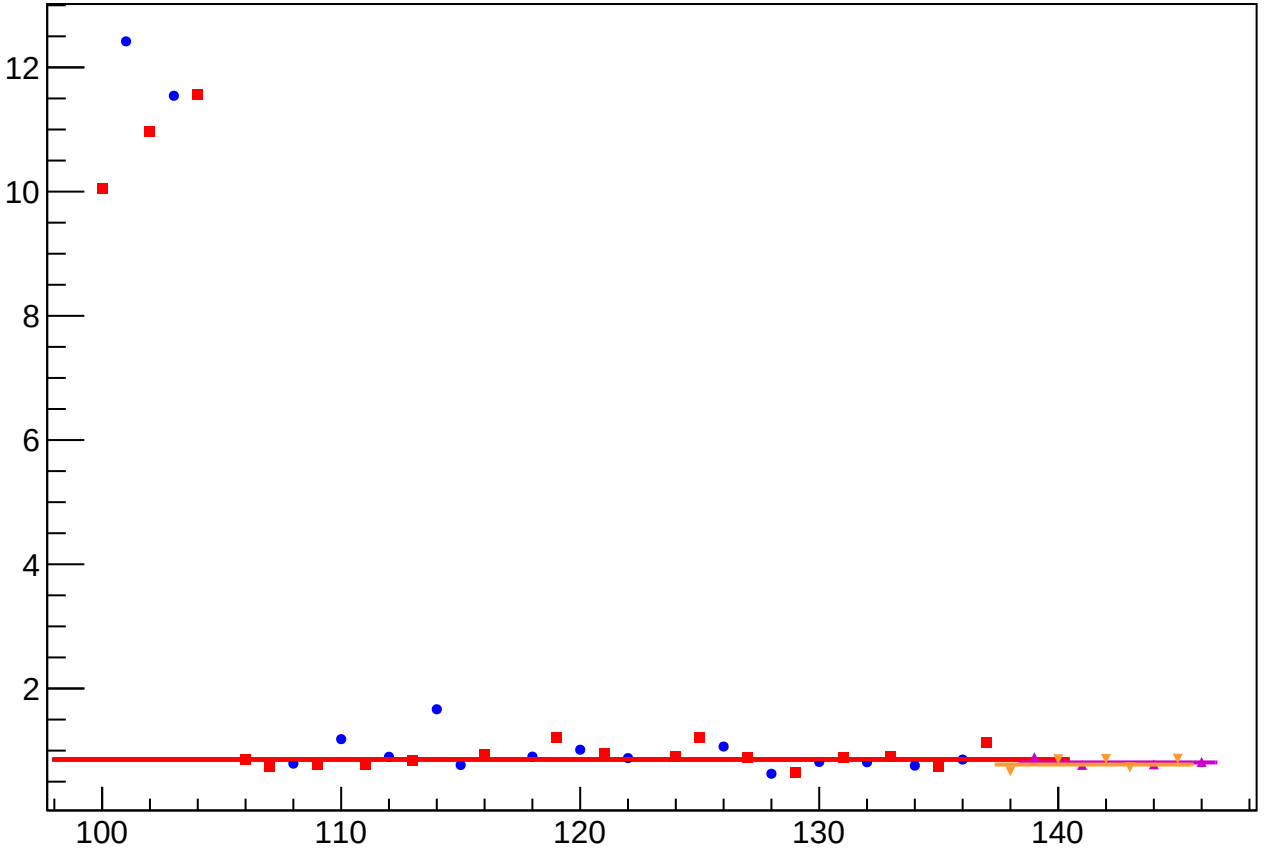
Left In: 173.994+/-0.001 χ^2/NDF:330461297.1/3

+ sign 169.232+/-0.000 χ^2/NDF: 14752999716.8/20

All: 170.113+/-0.000 χ^2/NDF: 31458352627.

- sign 170.978+/-0.000 χ^2/NDF: 16692425236.4/22

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.776+/-0.000 χ^2/NDF:47928.4/4

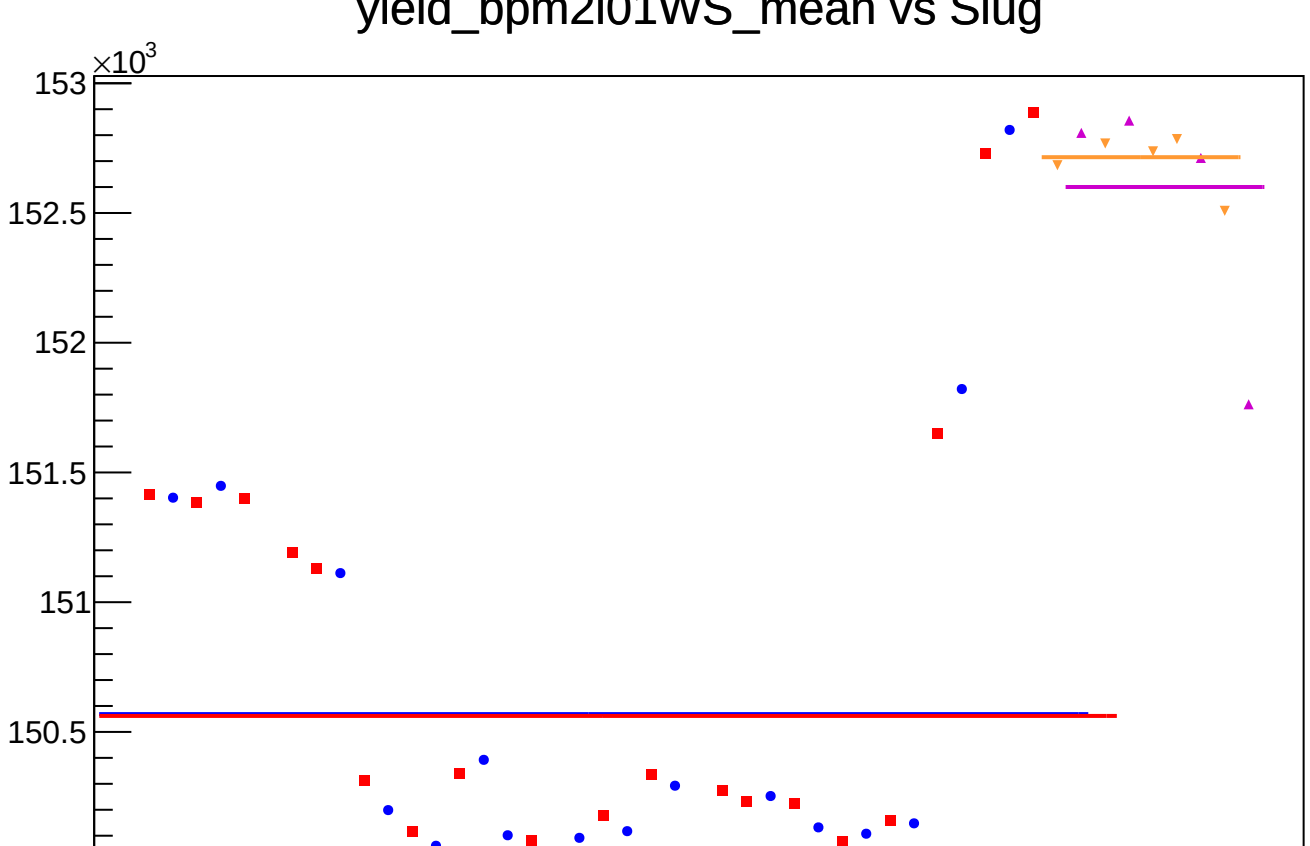
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.810+/-0.000 χ^2/NDF:11826.5/3

+ sign 0.824+/-0.000 χ^2/NDF: 2373480.3/20

All: 0.835+/-0.000 χ^2/NDF: 4609713.1/43

- sign 0.845+/-0.000 χ^2/NDF: 2232823.9/22



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152715.053+/-0.094 χ^2/NDF:919889.7/4

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

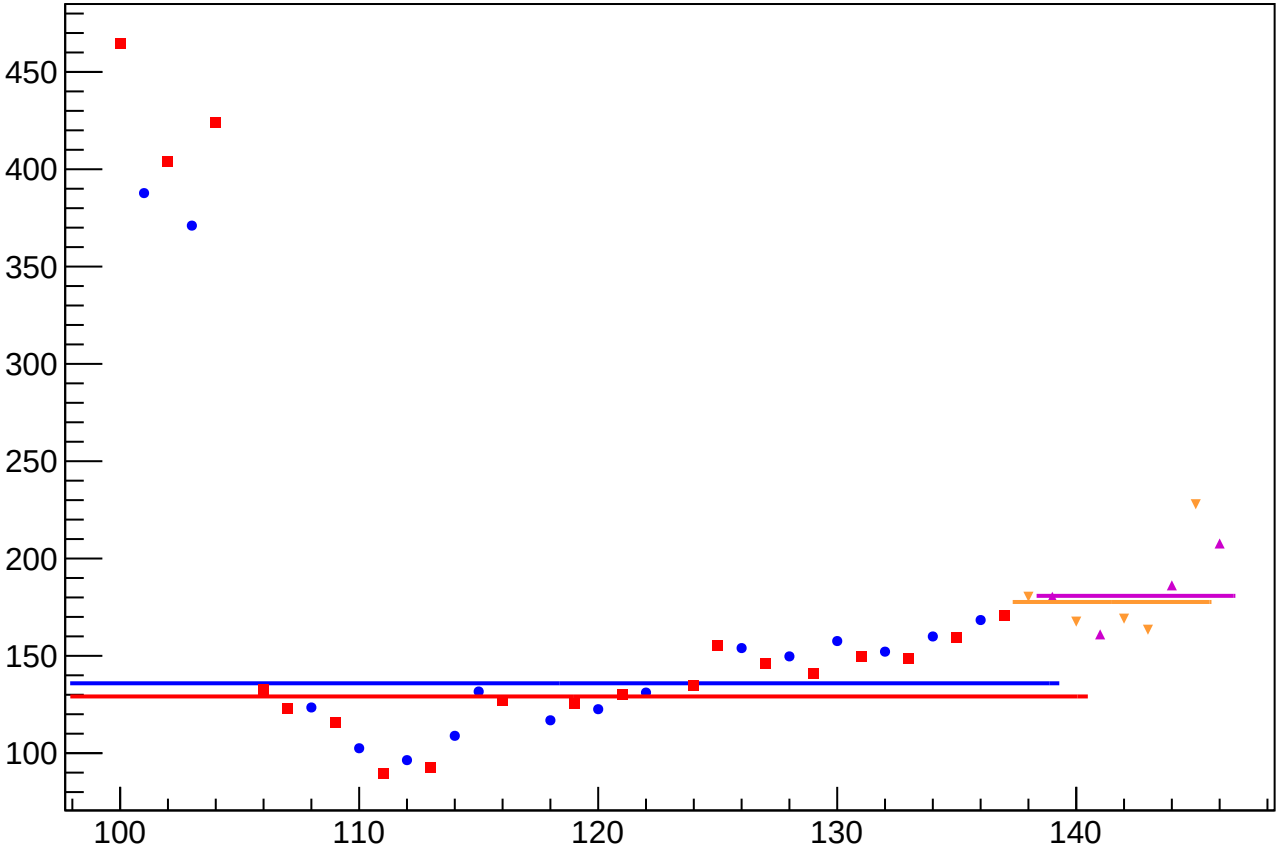
Left In: 152600.190+/-0.097 χ^2/NDF:17775406.1/3

+ sign 151108.226+/-0.047 χ^2/NDF: 626424006.3/2

All: 151051.368+/-0.033 χ^2/NDF: 11877980

- sign 150999.389+/-0.045 χ^2/NDF: 558602323.5/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 177.674+/-0.067 χ^2/NDF:98820.2/4

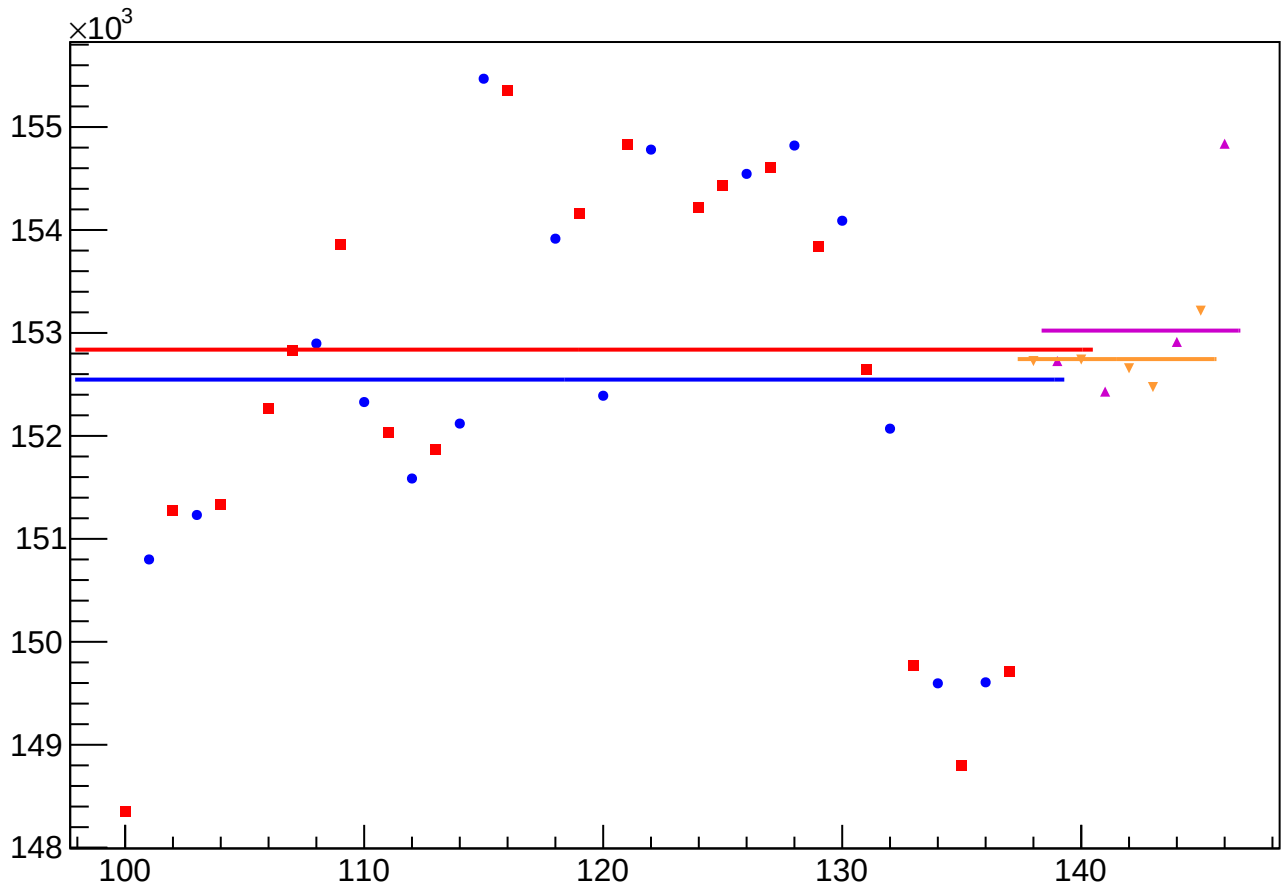
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.825+/-0.069 χ^2/NDF:57059.9/3

+ sign 146.399+/-0.033 χ^2/NDF: 1809407.4/20

All: 143.177+/-0.023 χ^2/NDF: 3940135.6/43

- sign 140.231+/-0.032 χ^2/NDF: 2112925.2/22



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152746.108+/-0.097 χ^2/NDF:6297486.0/4

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

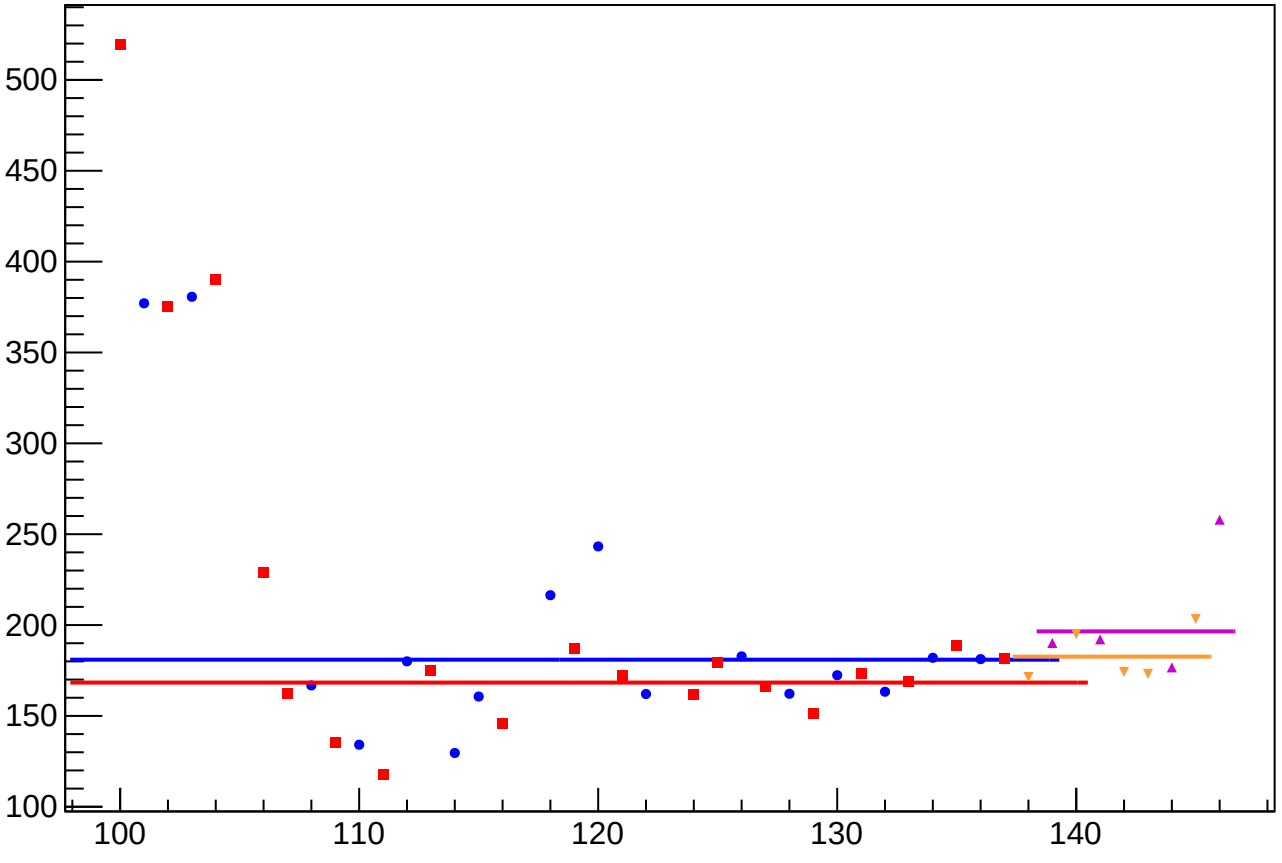
Left In: 153022.829+/-0.107 χ^2/NDF:54050920.6/3

+ sign 152618.404+/-0.058 χ^2/NDF: 663539430.5/2

All: 152758.044+/-0.041 χ^2/NDF: 14678811

- sign 152889.941+/-0.057 χ^2/NDF: 793124440.0/2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 182.622+/-0.069 χ^2/NDF:35993.5/4

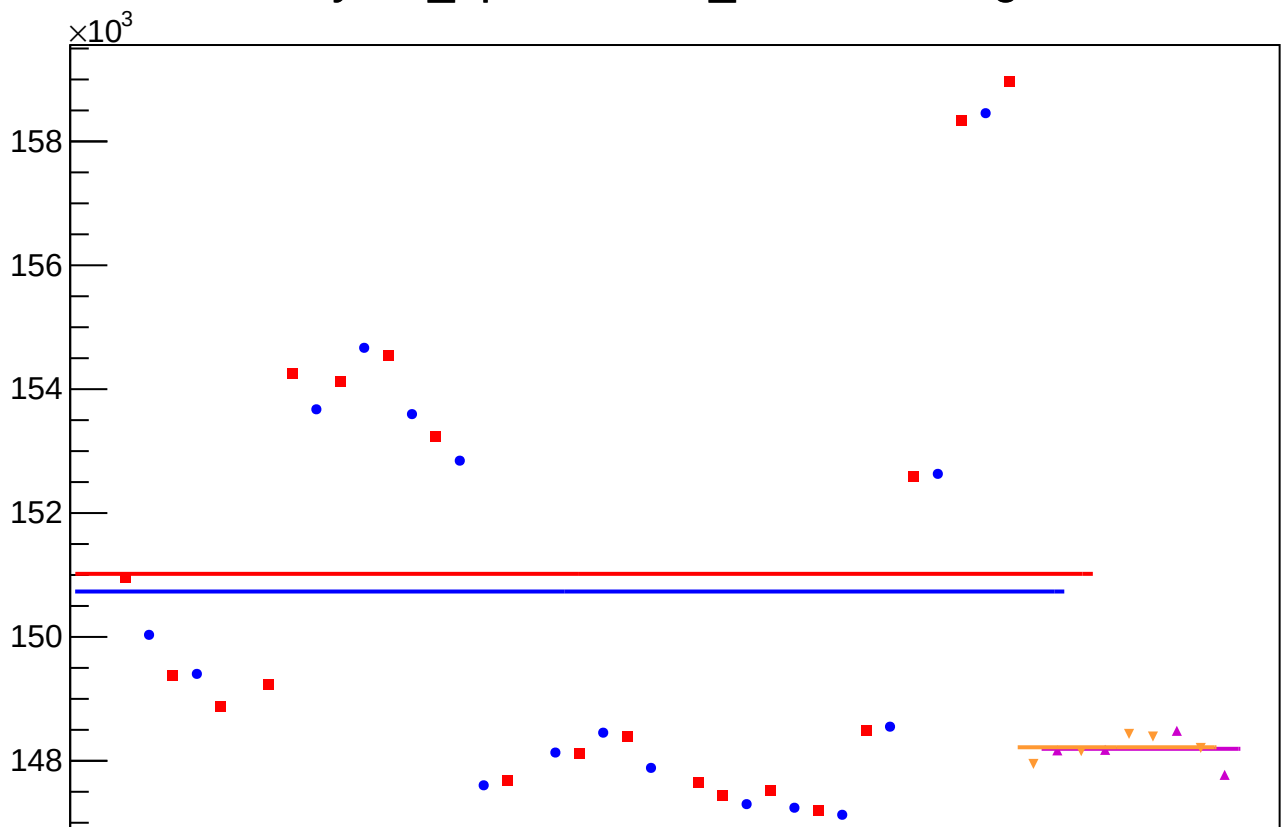
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 196.517+/-0.075 χ^2/NDF:124510.1/3

+ sign 181.543+/-0.041 χ^2/NDF: 944137.5/20

All: 178.835+/-0.029 χ^2/NDF: 2266684.5/43

- sign 176.277+/-0.040 χ^2/NDF: 1314110.6/22



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148218.560+/-0.097 χ^2/NDF:3280721.1/4

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

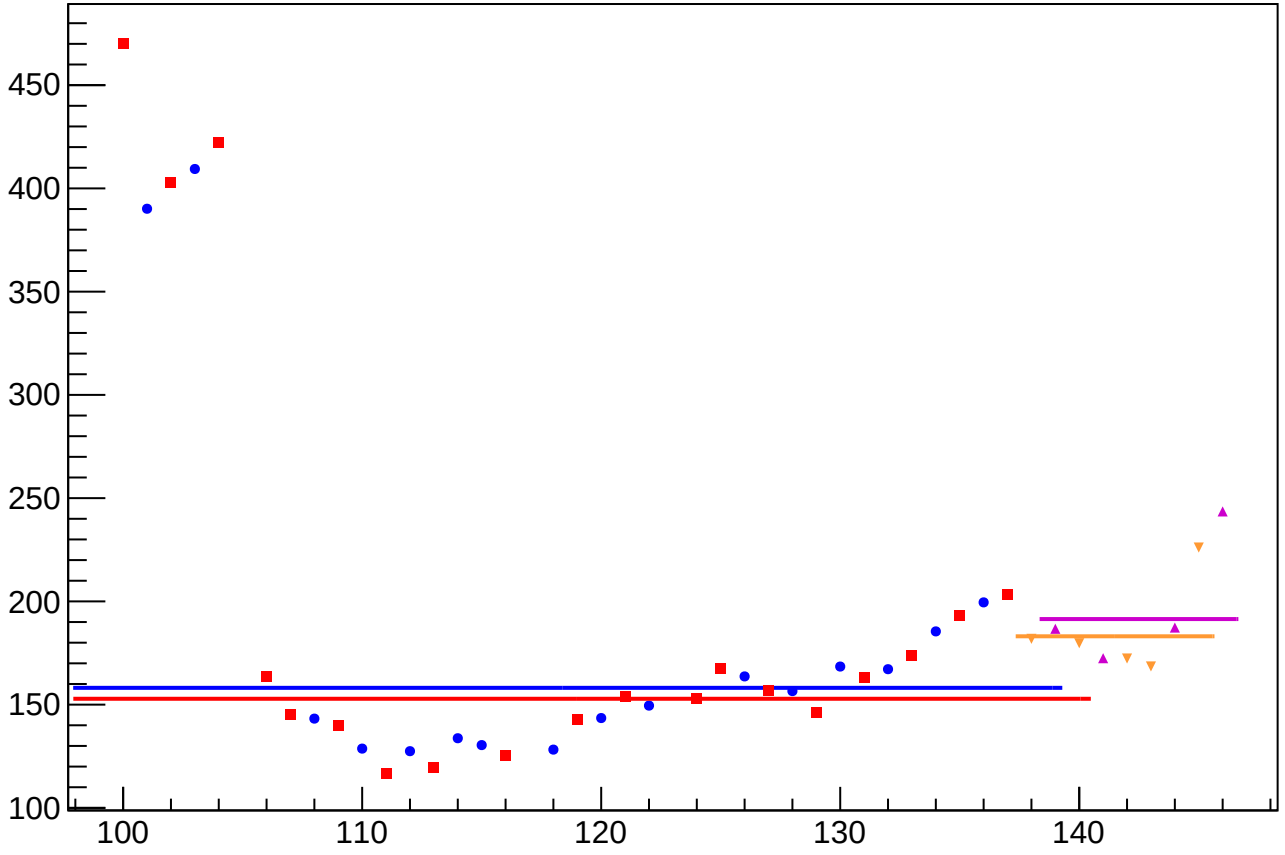
Left In: 148193.749+/-0.103 χ^2/NDF:4778924.5/3

+ sign 149989.363+/-0.053 χ^2/NDF: 3760005779.4

All: 150150.299+/-0.037 χ^2/NDF: 76271589

- sign 150306.108+/-0.052 χ^2/NDF: 3848855139.3/

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 183.093+/-0.069 χ^2/NDF:73973.4/4

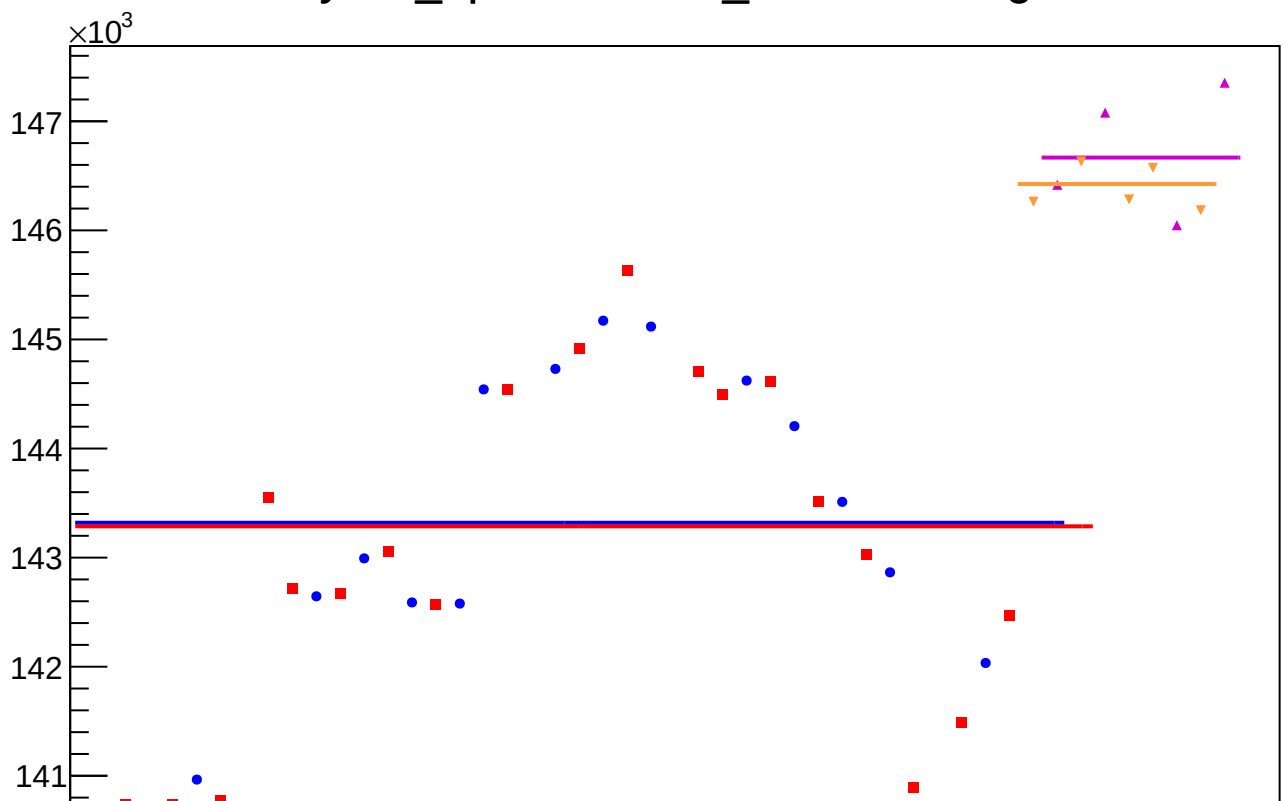
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 191.443+/-0.073 χ^2/NDF:103719.4/3

+ sign 165.520+/-0.037 χ^2/NDF: 1362807.4/20

All: 164.024+/-0.026 χ^2/NDF: 2942316.0/43

- sign 162.576+/-0.037 χ^2/NDF: 1576347.3/22



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146425.081+/-0.096 χ^2/NDF:3534031.0/4

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

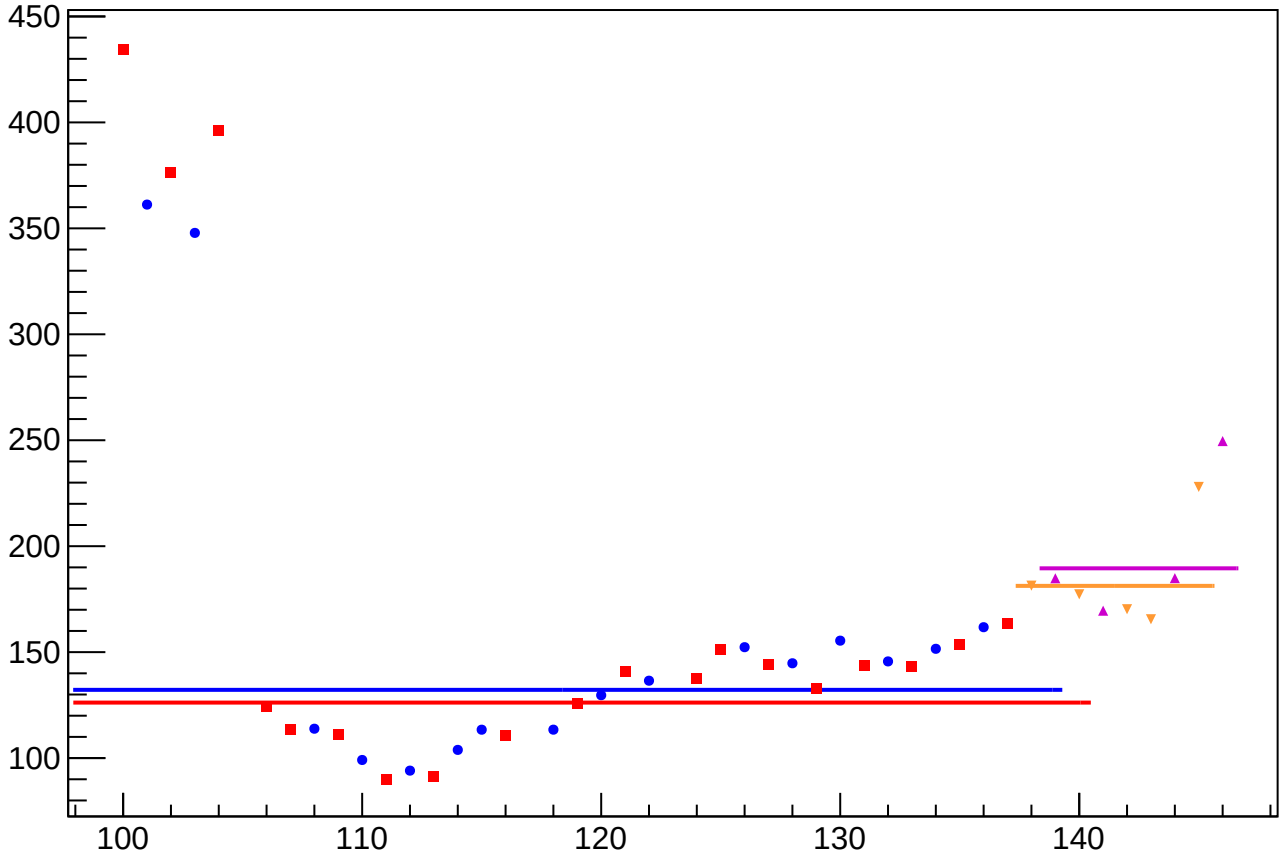
Left In: 146667.203+/-0.103 χ^2/NDF:23289444.6/3

+ sign 144046.458+/-0.046 χ^2/NDF: 1362585521.7

All: 143985.668+/-0.032 χ^2/NDF: 28885964

- sign 143929.392+/-0.045 χ^2/NDF: 1522718887.0/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 181.273+/-0.068 χ^2/NDF:86127.3/4

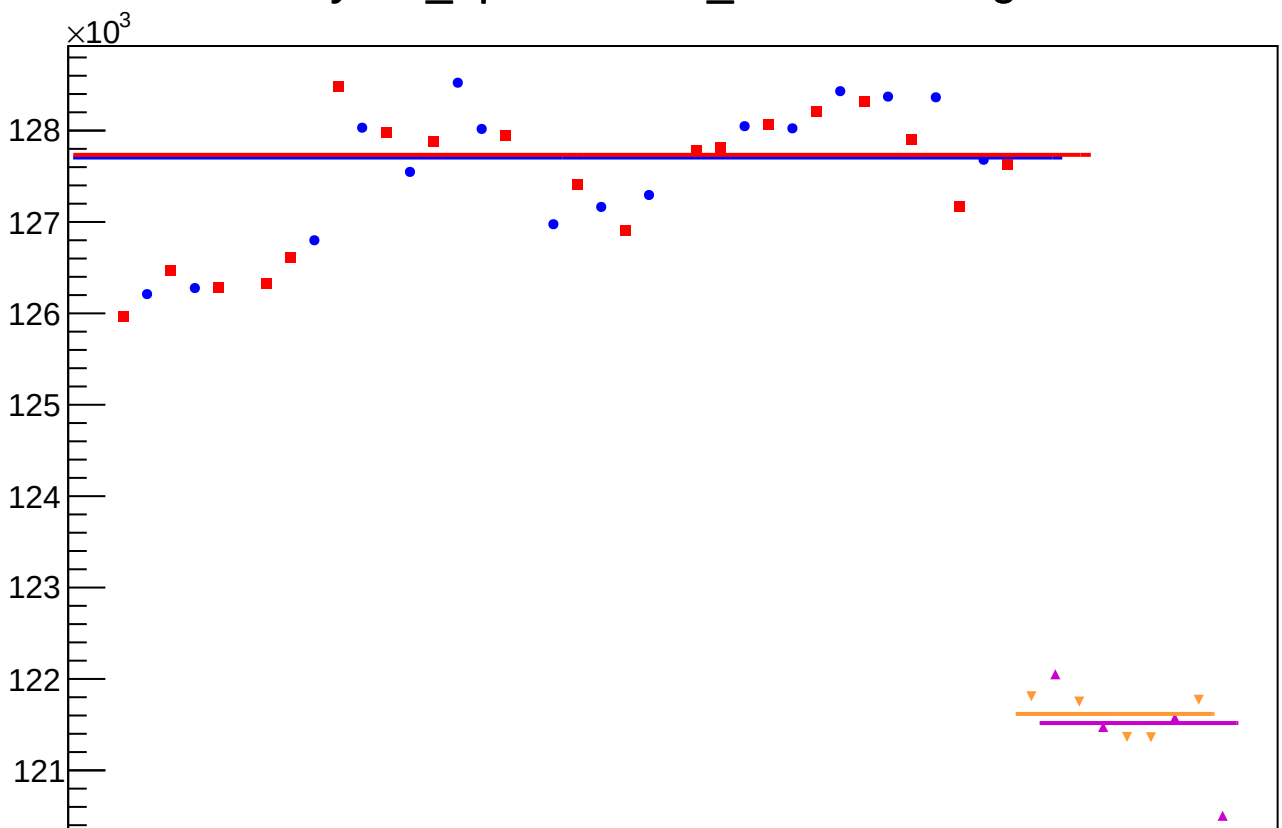
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 189.553+/-0.073 χ^2/NDF:127925.5/3

+ sign 143.688+/-0.033 χ^2/NDF: 1864637.9/20

All: 140.856+/-0.023 χ^2/NDF: 4169533.4/43

- sign 138.233+/-0.032 χ^2/NDF: 2290599.5/22



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121617.368+/-0.083 χ^2/NDF:5911973.7/4

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

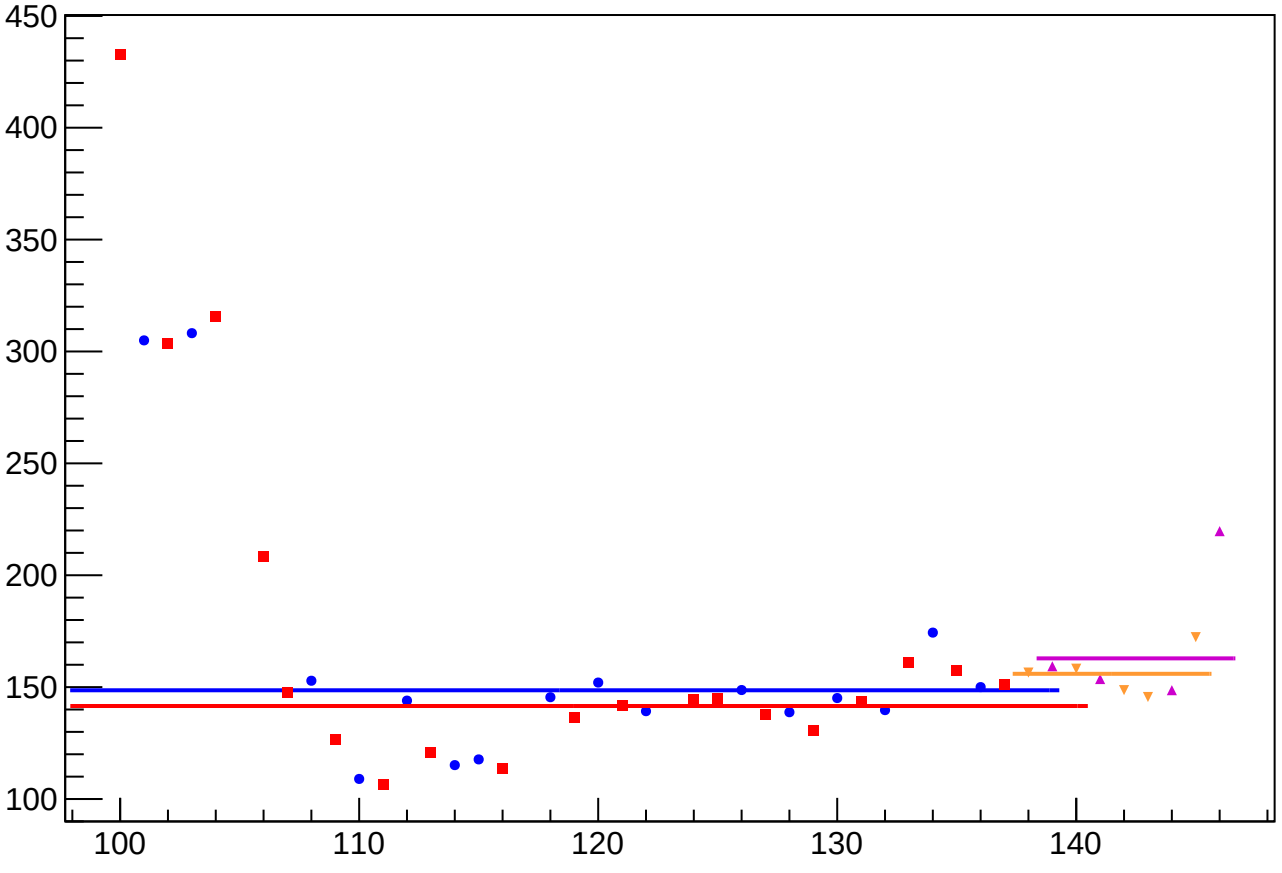
Left In: 121517.592+/-0.089 χ^2/NDF:27878484.2/3

+ sign 125704.349+/-0.048 χ^2/NDF: 3679959324.0

All: 125864.090+/-0.033 χ^2/NDF: 73816686

- sign 126016.238+/-0.047 χ^2/NDF: 3679961813.1/

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 155.953+/-0.059 χ^2/NDF:24261.1/4

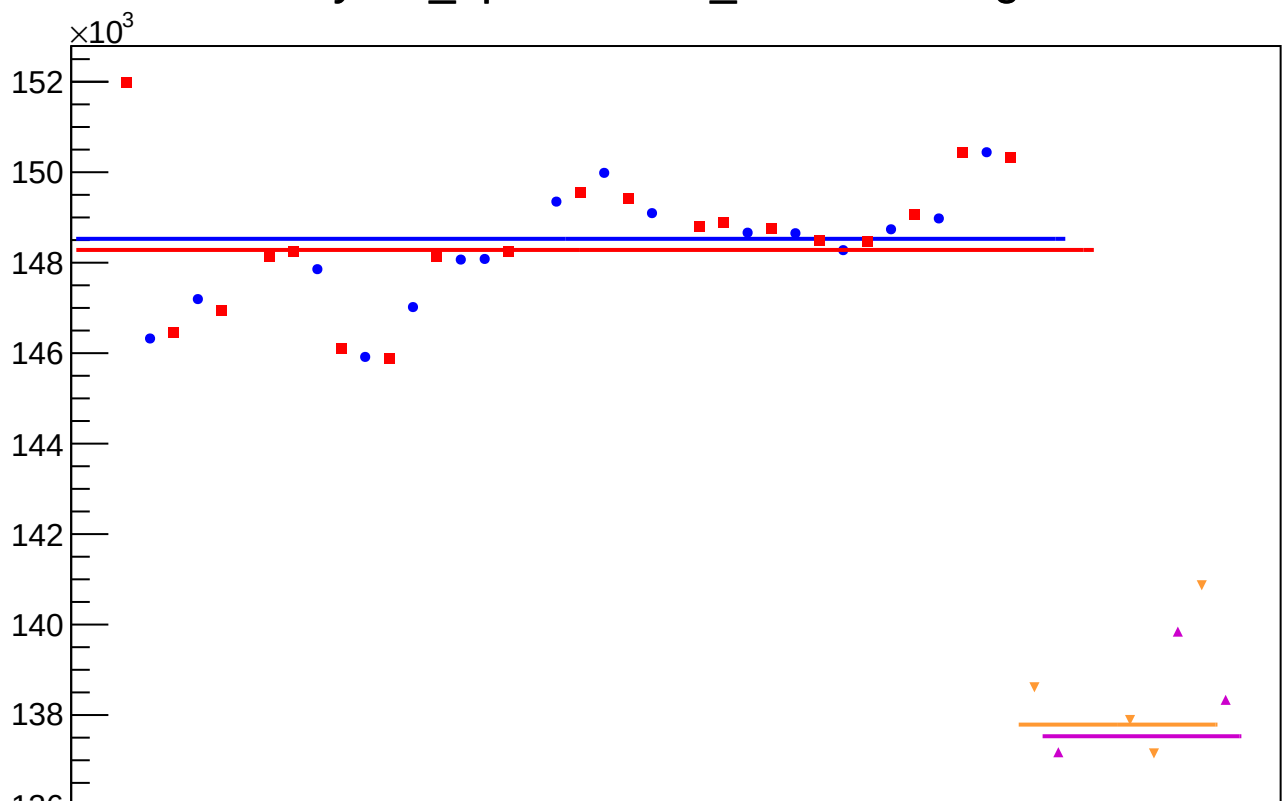
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 162.848+/-0.063 χ^2/NDF:138379.5/3

+ sign 151.012+/-0.034 χ^2/NDF: 862395.7/20

All: 149.186+/-0.024 χ^2/NDF: 2090738.5/43

- sign 147.446+/-0.033 χ^2/NDF: 1222657.5/22



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137788.505+/-0.125 χ^2/NDF:175923734.2/4

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

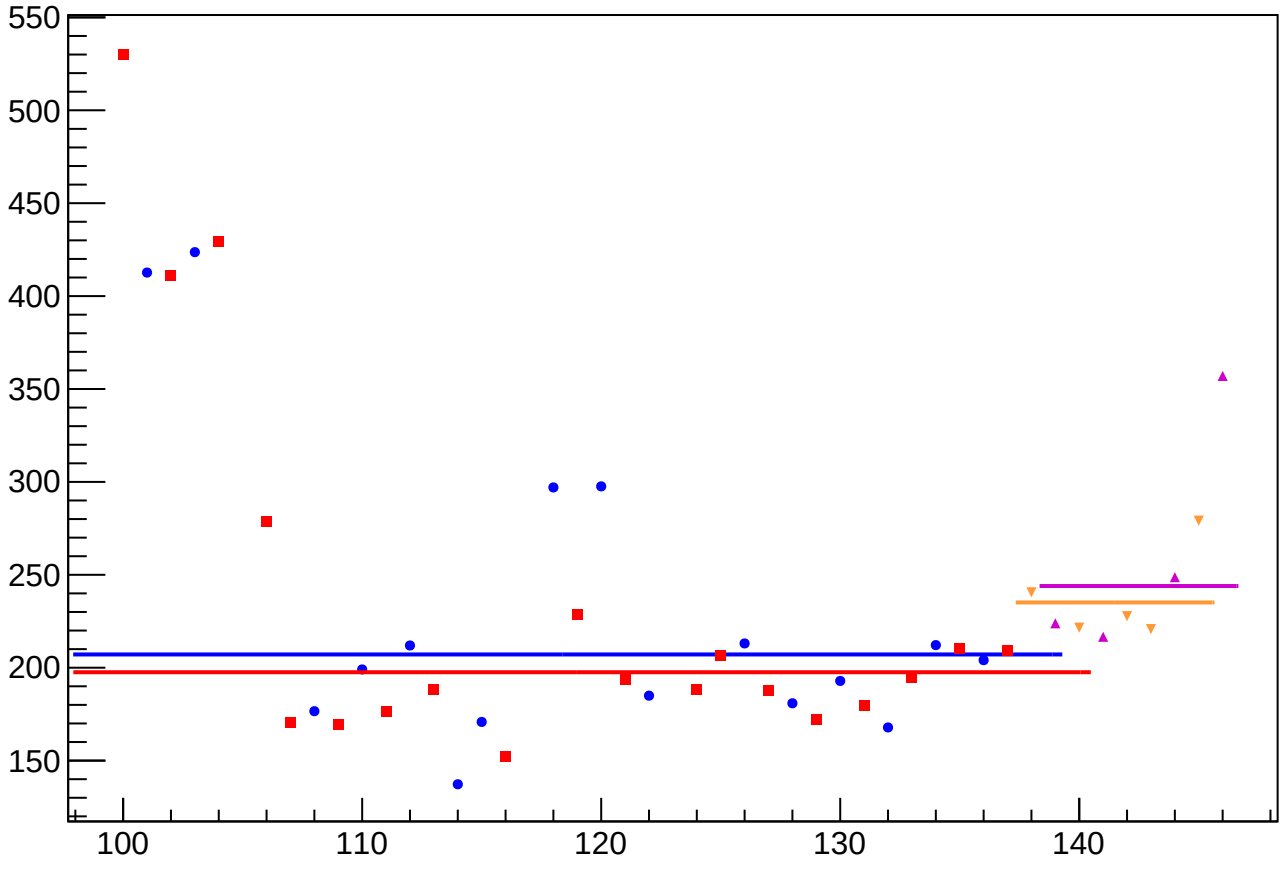
Left In: 137531.127+/-0.133 χ^2/NDF:140593880.9/3

+ sign 145293.742+/-0.069 χ^2/NDF: 5557723986.9

All: 145455.945+/-0.048 χ^2/NDF: 10902004

- sign 145608.353+/-0.066 χ^2/NDF: 5333405142.2/

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 235.118+/-0.088 χ^2/NDF:53833.3/4

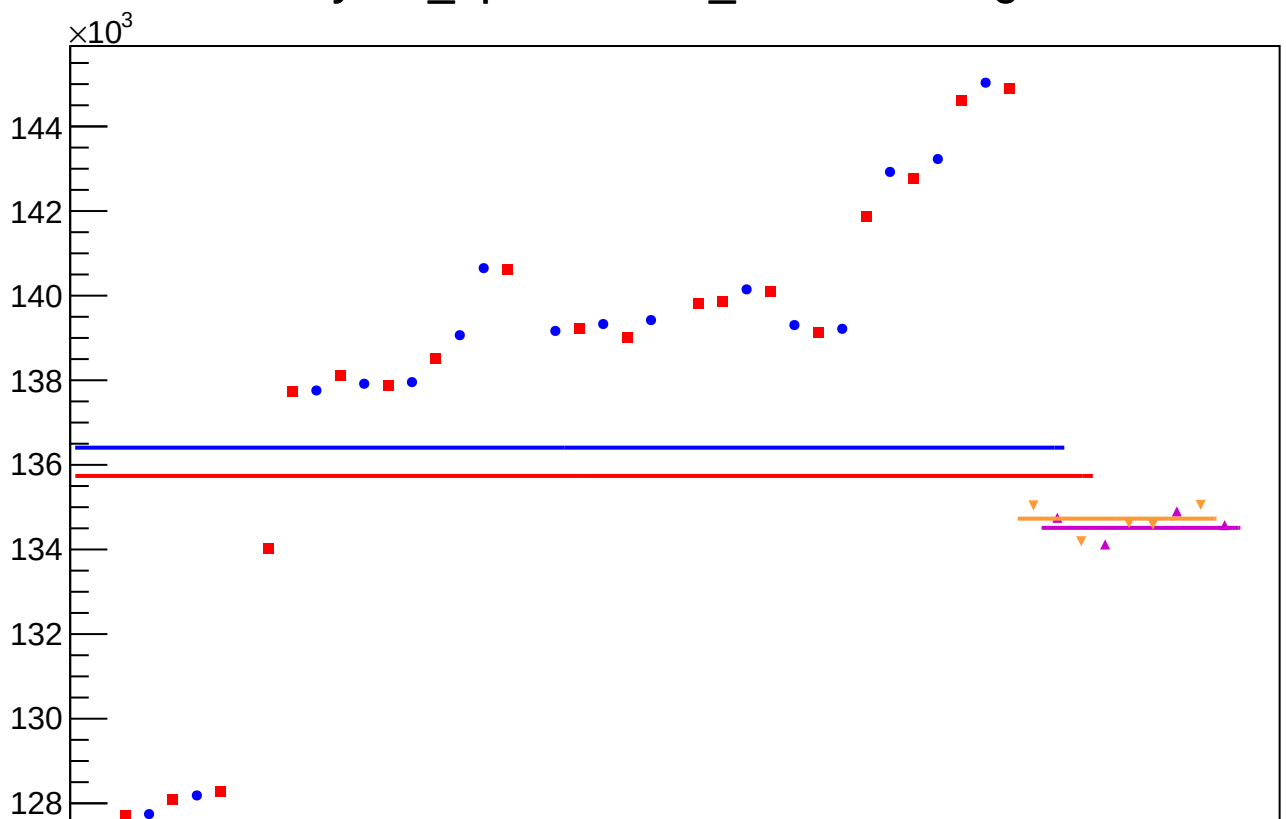
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 243.967+/-0.094 χ^2/NDF:216913.0/3

+ sign 215.562+/-0.048 χ^2/NDF: 1096292.1/20

All: 212.235+/-0.034 χ^2/NDF: 2408796.7/43

- sign 209.109+/-0.047 χ^2/NDF: 1303355.4/22



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134728.935+/-0.271 χ^2/NDF:1472258.8/4

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

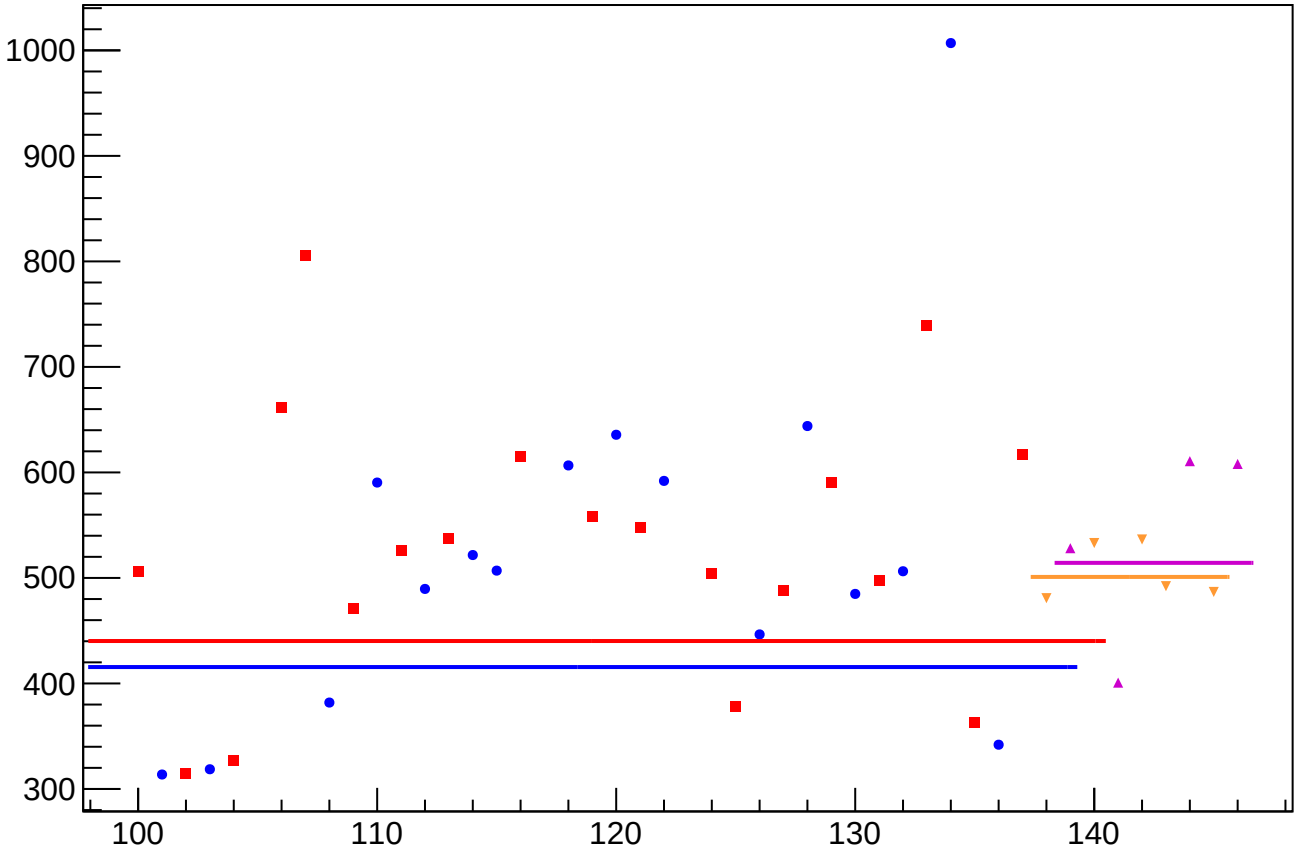
Left In: 134510.833+/-0.302 χ^2/NDF:1105902.8/3

+ sign 135938.058+/-0.143 χ^2/NDF: 1606228361.8

All: 135698.417+/-0.104 χ^2/NDF: 27997335

- sign 135426.079+/-0.153 χ^2/NDF: 1187513622.4/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 500.962+/-0.191 χ^2/NDF:13420.4/4

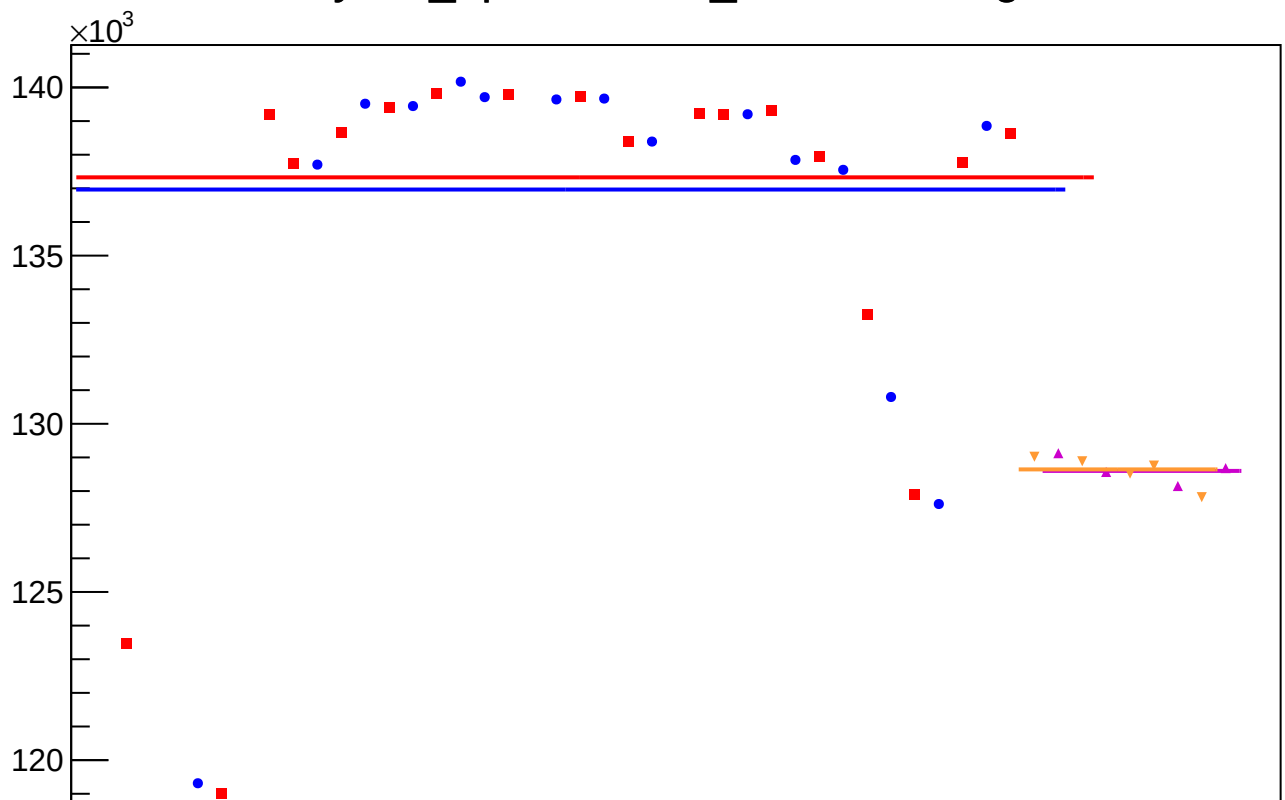
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 514.294+/-0.214 χ^2/NDF:186230.4/3

+ sign 439.414+/-0.101 χ^2/NDF: 1188492.1/20

All: 448.612+/-0.074 χ^2/NDF: 2392626.1/43

- sign 459.065+/-0.108 χ^2/NDF: 1186480.6/22



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128643.877+/-0.090 χ^2/NDF:21030512.9/4

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

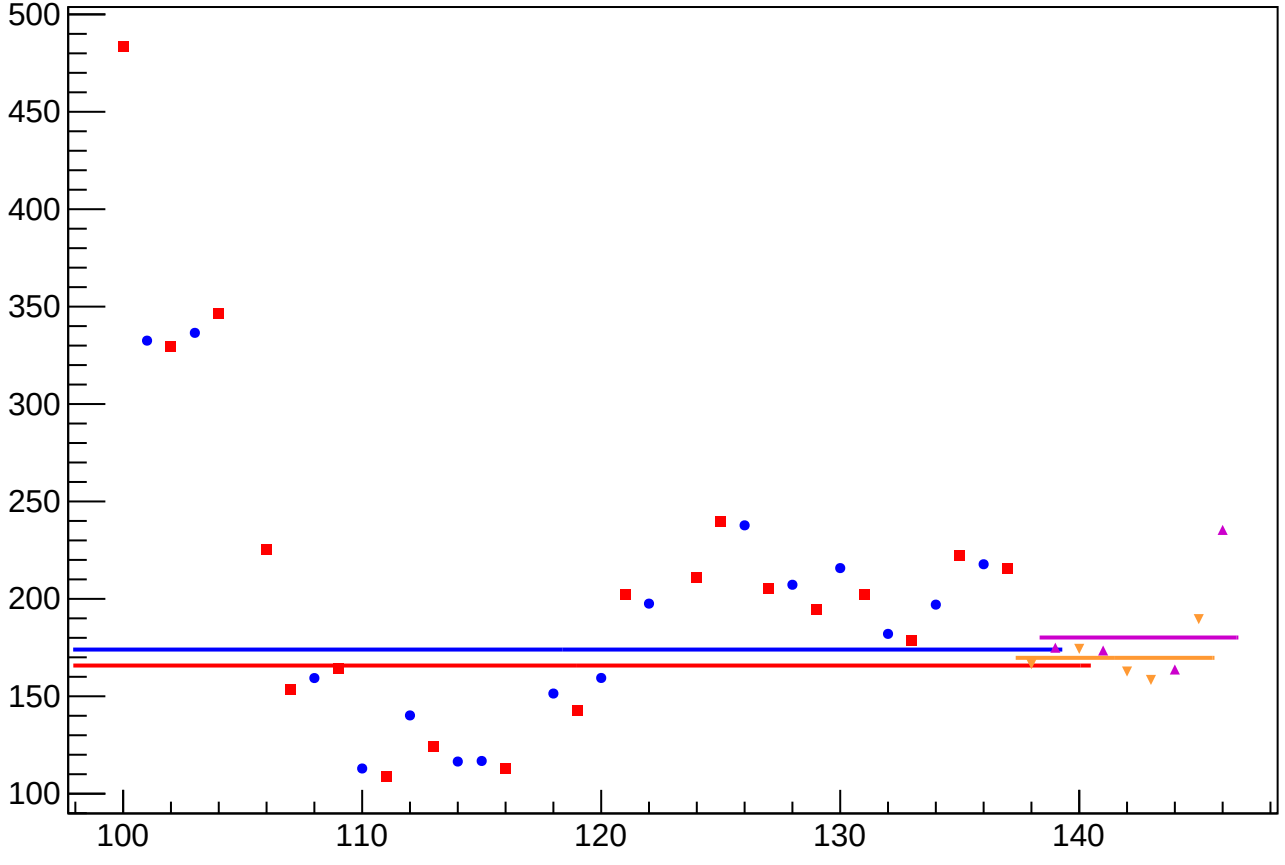
Left In: 128599.328+/-0.098 χ^2/NDF:14327443.1/3

+ sign 133850.651+/-0.055 χ^2/NDF: 11158897578.

All: 134235.025+/-0.039 χ^2/NDF: 2251422

- sign 134609.761+/-0.054 χ^2/NDF: 11259415817.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 169.733+/-0.064 χ^2/NDF:28709.0/4

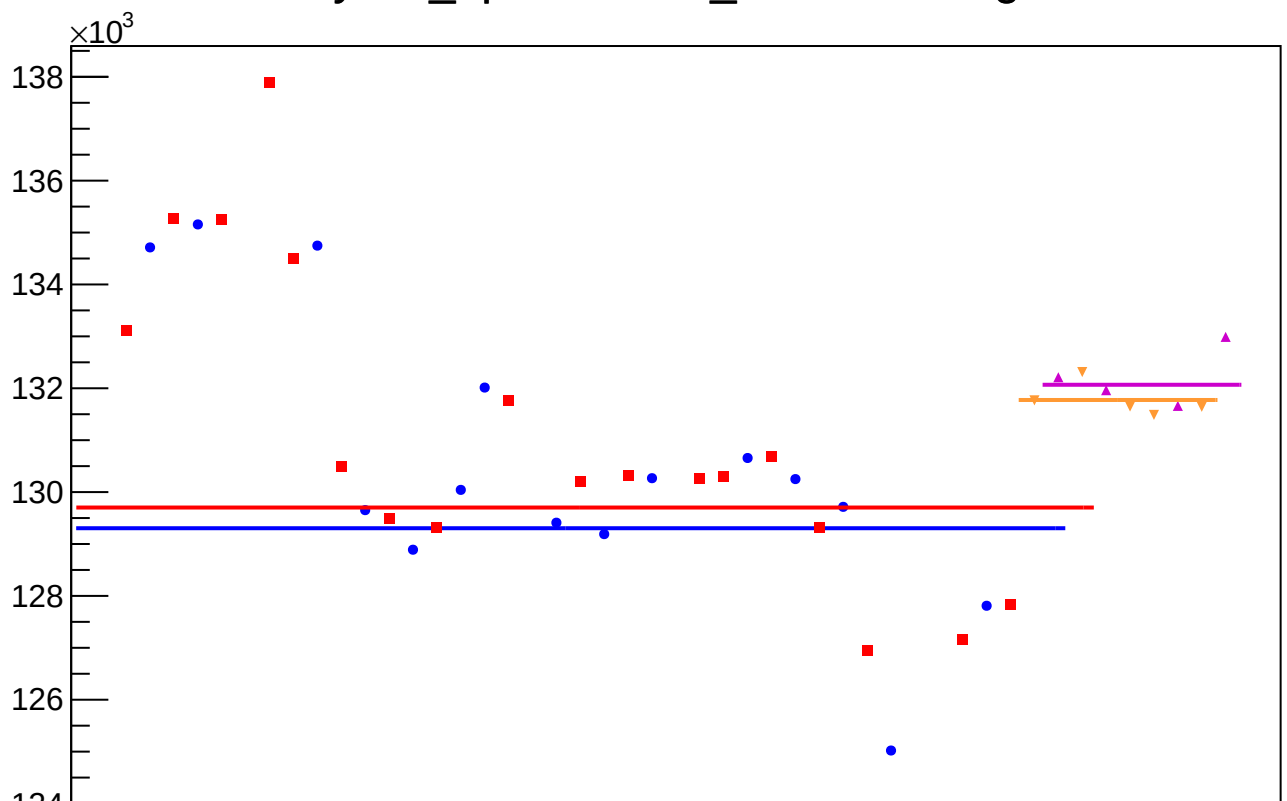
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 180.166+/-0.069 χ^2/NDF:118490.9/3

+ sign 172.391+/-0.039 χ^2/NDF: 1219981.7/20

All: 171.312+/-0.027 χ^2/NDF: 2803068.3/43

- sign 170.260+/-0.039 χ^2/NDF: 1581573.7/22



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131774.439+/-0.089 χ^2/NDF:11260592.4/4

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

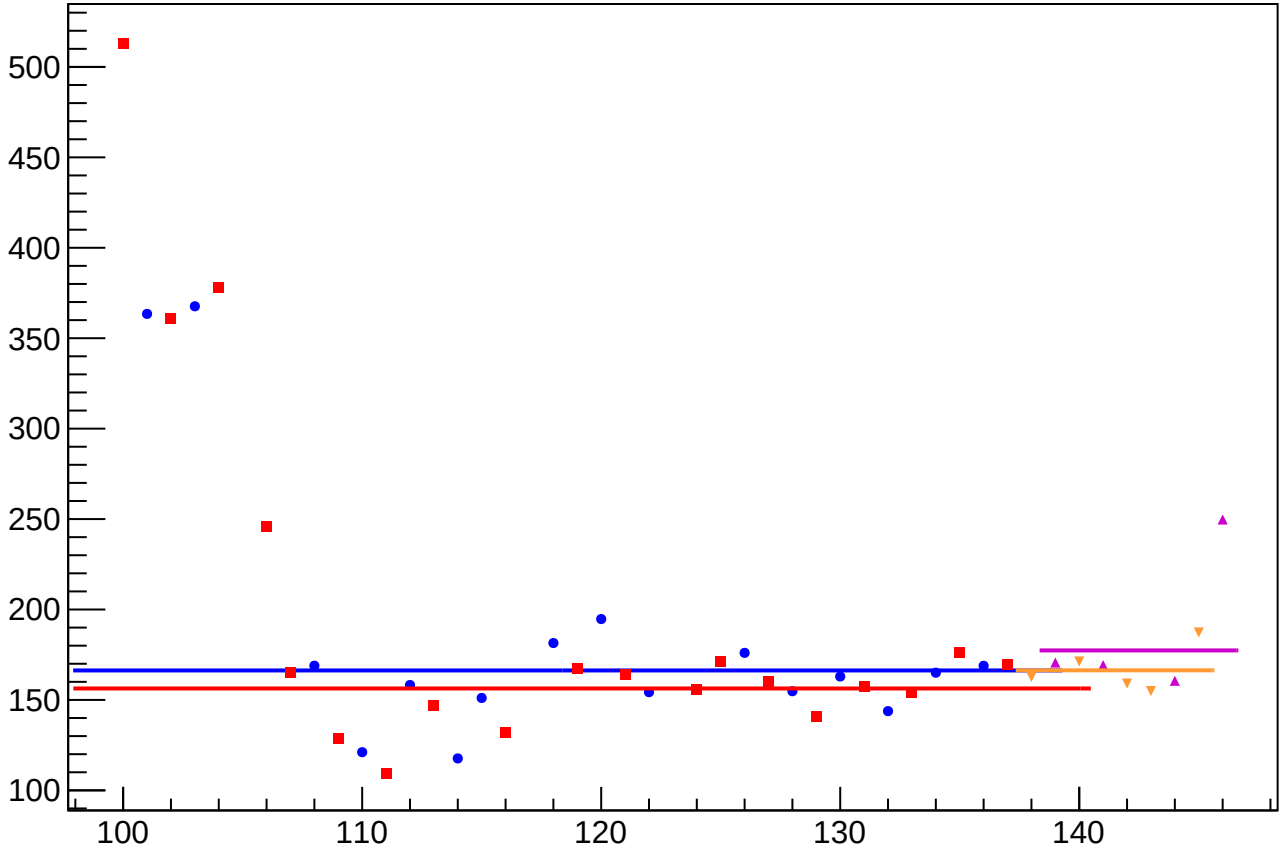
Left In: 132067.489+/-0.097 χ^2/NDF:18482947.2/3

+ sign 130189.527+/-0.053 χ^2/NDF: 2160745247.3

All: 130289.724+/-0.037 χ^2/NDF: 43905003

- sign 130385.712+/-0.052 χ^2/NDF: 2222763468.4/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 166.372+/-0.063 χ^2/NDF:32182.9/4

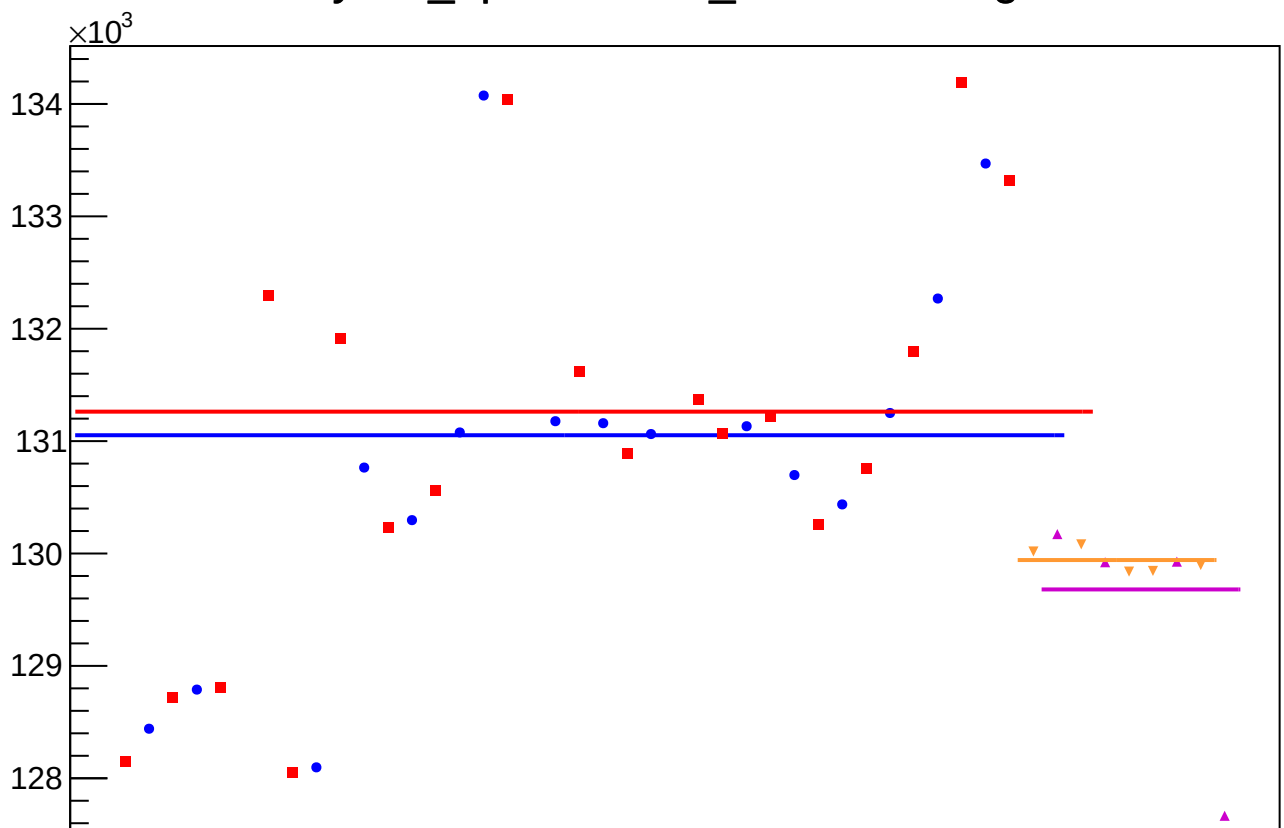
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 177.377+/-0.068 χ^2/NDF:172436.0/3

+ sign 166.327+/-0.037 χ^2/NDF: 970131.3/20

All: 164.328+/-0.026 χ^2/NDF: 2388516.4/43

- sign 162.413+/-0.037 χ^2/NDF: 1412817.5/22



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129941.793+/-0.085 χ^2/NDF:1325301.2/4

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

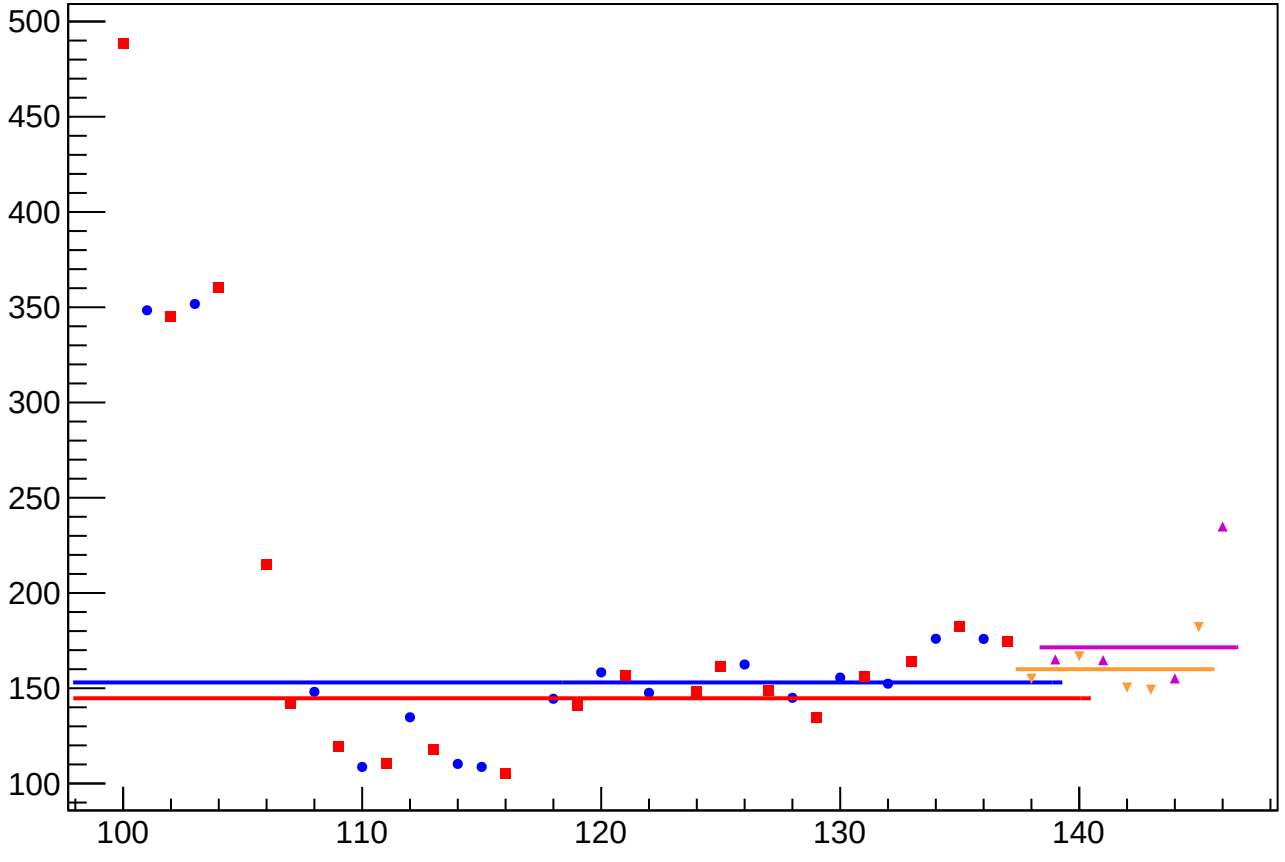
Left In: 129680.248+/-0.093 χ^2/NDF:75977108.8/3

+ sign 130677.546+/-0.049 χ^2/NDF: 638260902.0/2

All: 130757.467+/-0.035 χ^2/NDF: 15344961

- sign 130834.314+/-0.048 χ^2/NDF: 891092070.5/2

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 159.985+/-0.060 χ^2/NDF:39271.9/4

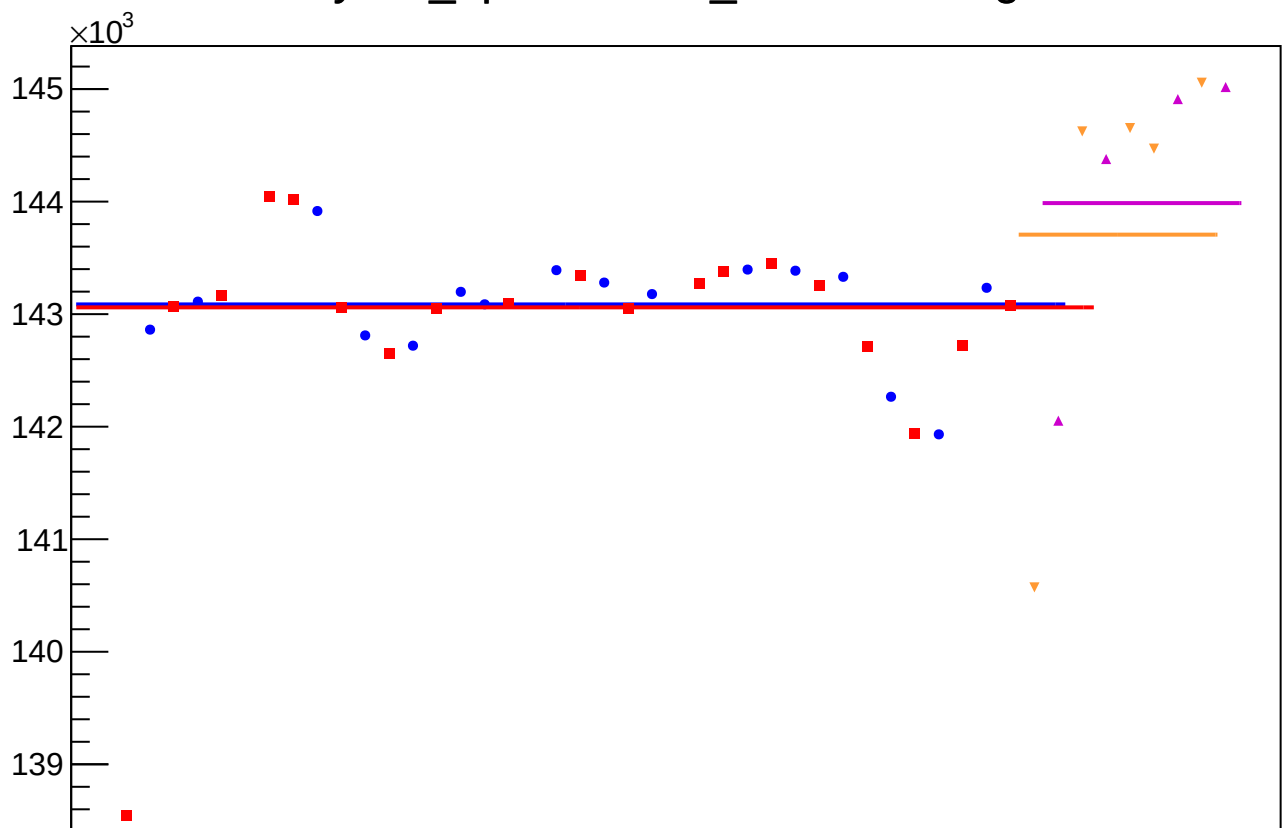
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 171.456+/-0.066 χ^2/NDF:152802.7/3

+ sign 155.386+/-0.035 χ^2/NDF: 1107590.4/20

All: 153.639+/-0.024 χ^2/NDF: 2649074.4/43

- sign 151.960+/-0.034 χ^2/NDF: 1536570.8/22



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 143706.483+/-0.101 χ^2/NDF:302648108.0/4

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

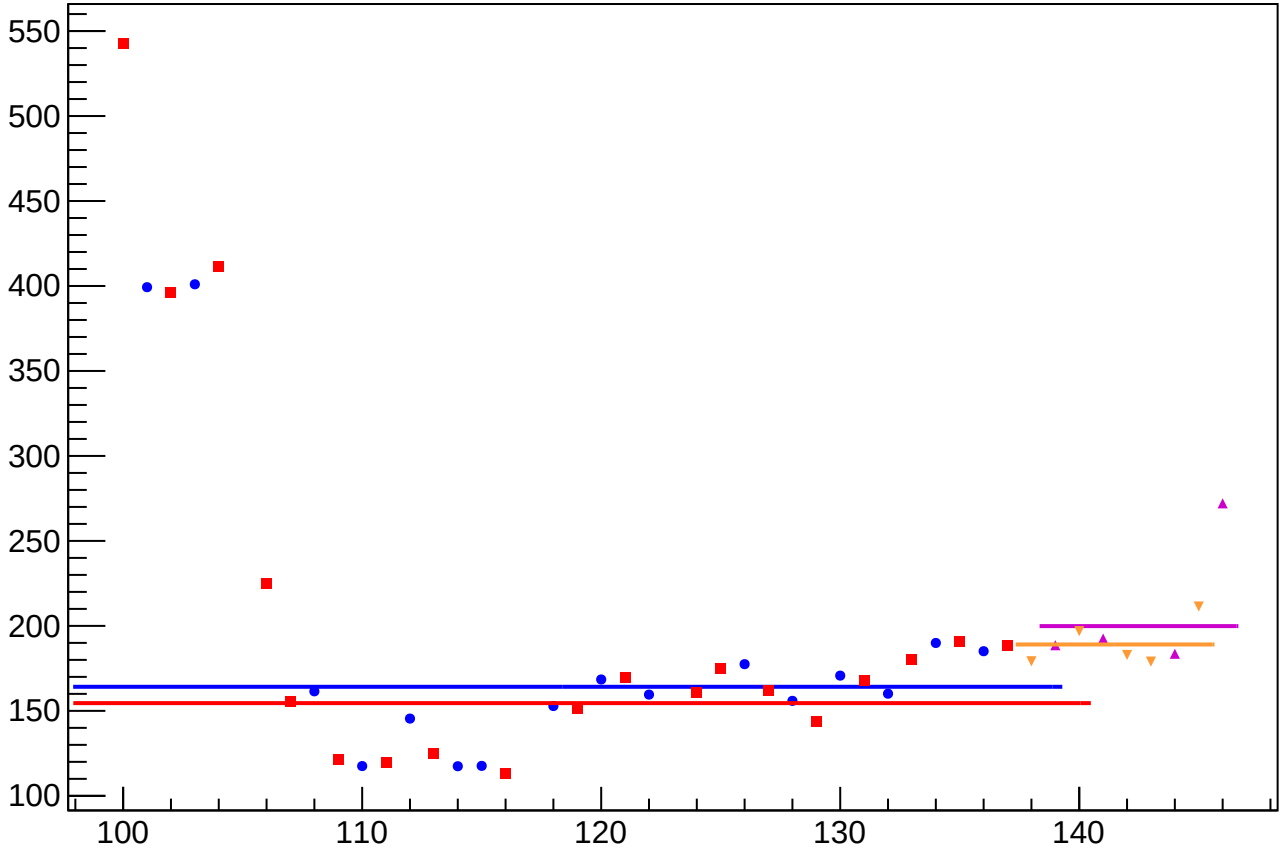
Left In: 143986.784+/-0.109 χ^2/NDF:125854931.2/3

+ sign 143268.214+/-0.055 χ^2/NDF: 375975486.6/2

All: 143274.150+/-0.038 χ^2/NDF: 60883369

- sign 143279.717+/-0.053 χ^2/NDF: 232835402.6/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 189.061+/-0.071 χ^2/NDF:30456.6/4

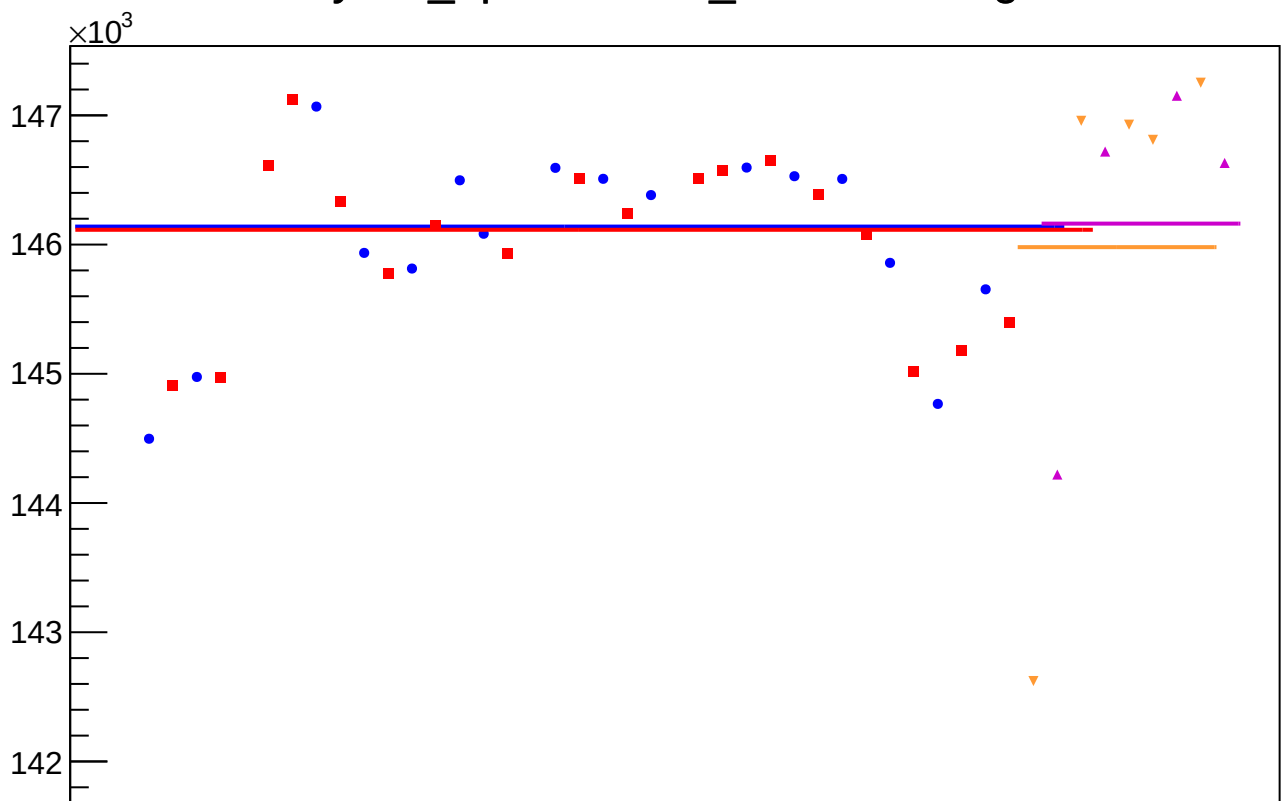
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 199.869+/-0.077 χ^2/NDF:145638.9/3

+ sign 171.464+/-0.039 χ^2/NDF: 1245993.1/20

All: 168.278+/-0.027 χ^2/NDF: 3035956.0/43

- sign 165.290+/-0.037 χ^2/NDF: 1776824.6/22



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145980.102+/-0.099 χ^2/NDF:342314817.6/4

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

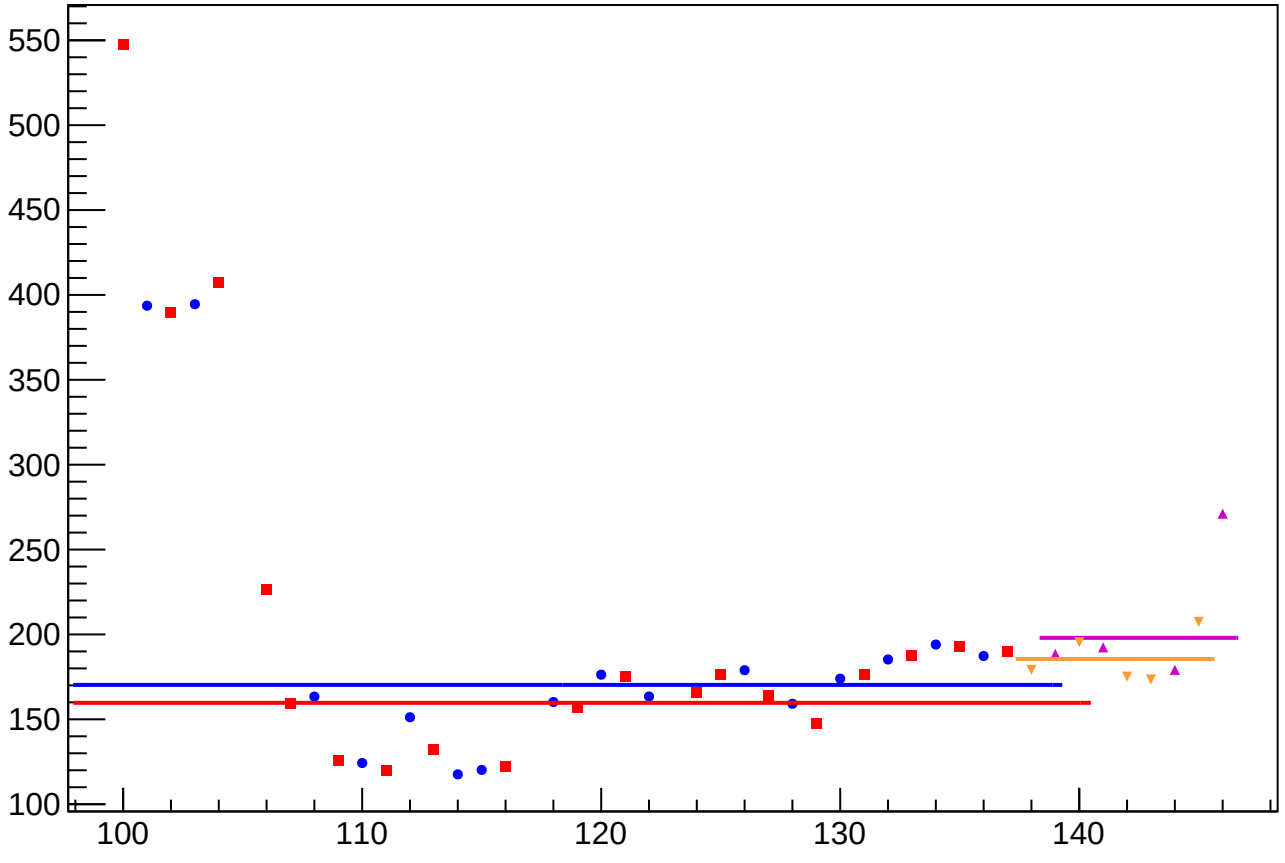
Left In: 146162.238+/-0.108 χ^2/NDF:125303596.4/3

+ sign 146088.825+/-0.056 χ^2/NDF: 415803053.4/2

All: 146108.210+/-0.039 χ^2/NDF: 61459086

- sign 146126.468+/-0.054 χ^2/NDF: 198552653.0/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 185.525+/-0.070 χ^2/NDF:33971.3/4

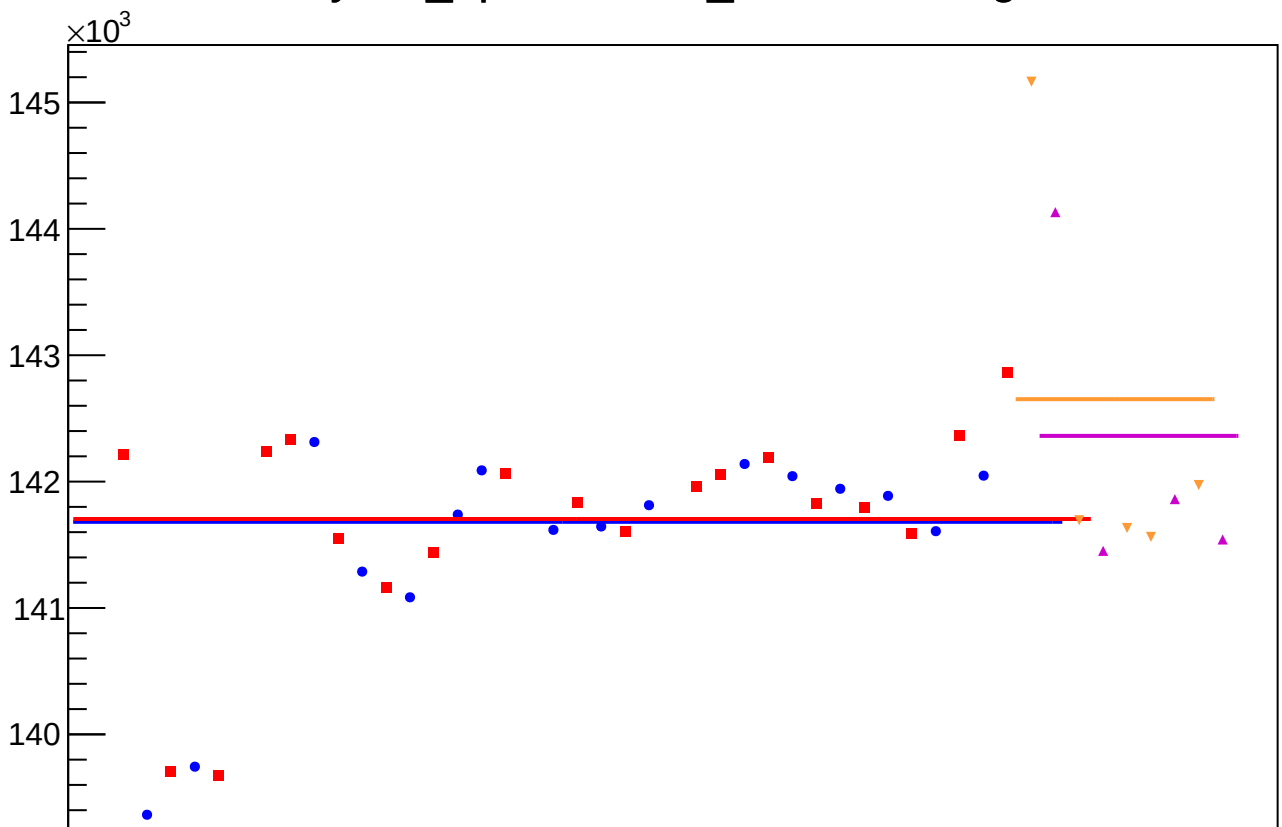
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 198.001+/-0.076 χ^2/NDF:152139.2/3

+ sign 175.109+/-0.039 χ^2/NDF: 1124031.8/20

All: 172.140+/-0.027 χ^2/NDF: 2767154.3/43

- sign 169.345+/-0.038 χ^2/NDF: 1632094.5/22



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142652.317+/-0.111 χ^2/NDF:191106496.7/4

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

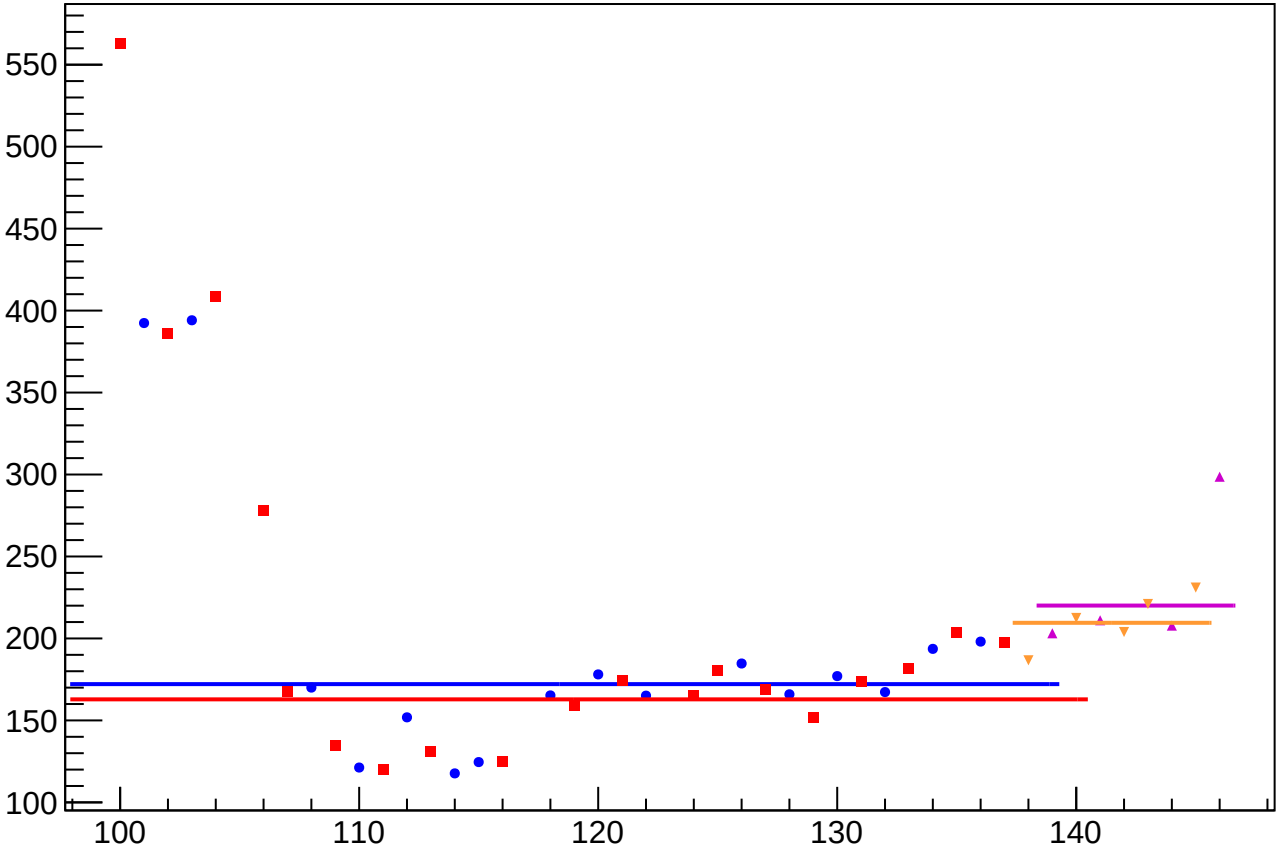
Left In: 142361.841+/-0.120 χ^2/NDF:91111957.5/3

+ sign 141947.258+/-0.058 χ^2/NDF: 310663889.8/2

All: 141896.829+/-0.040 χ^2/NDF: 49225982

- sign 141849.623+/-0.056 χ^2/NDF: 180141856.2/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 209.540+/-0.079 χ^2/NDF:41876.6/4

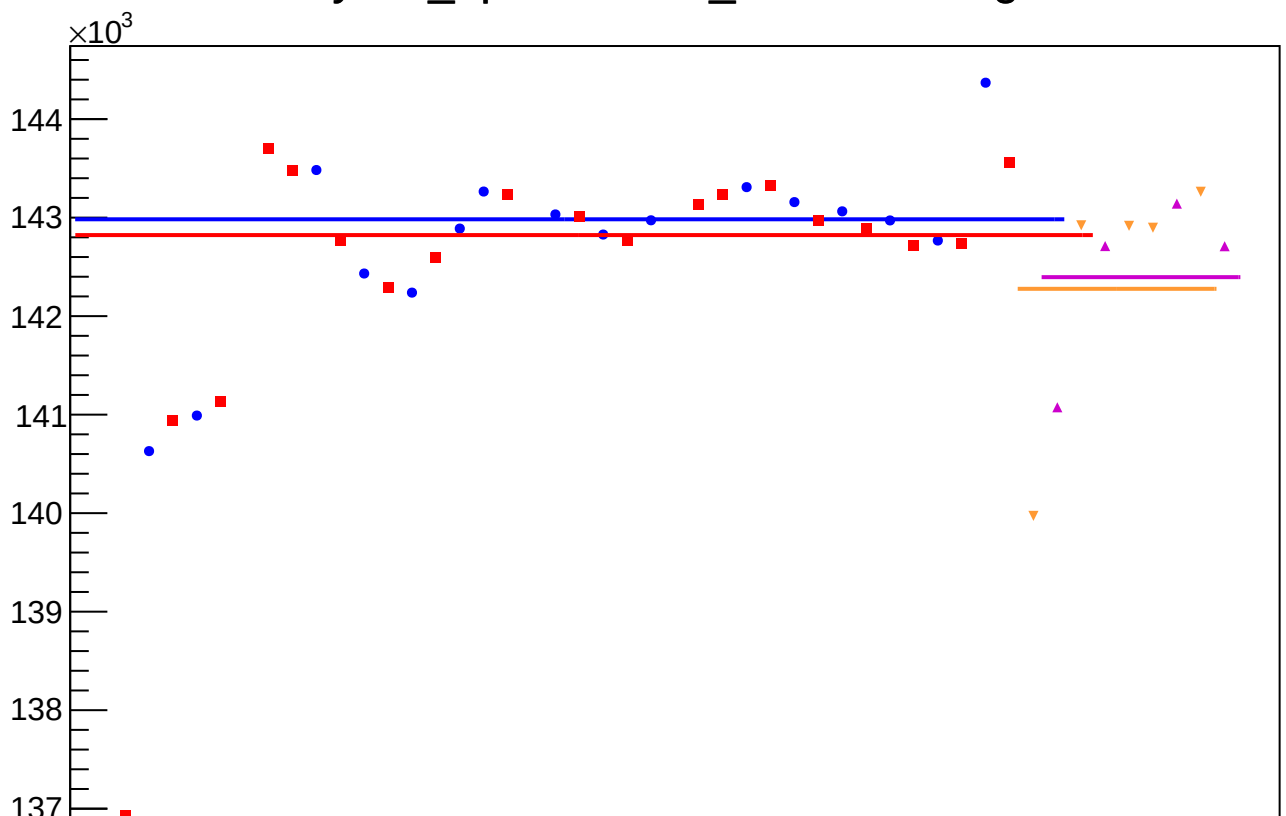
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.061+/-0.085 χ^2/NDF:141202.4/3

+ sign 182.368+/-0.041 χ^2/NDF: 1274631.2/20

All: 178.819+/-0.029 χ^2/NDF: 3091882.9/43

- sign 175.498+/-0.040 χ^2/NDF: 1802854.0/22



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142277.276+/-0.096 χ^2/NDF:179811716.1/4

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

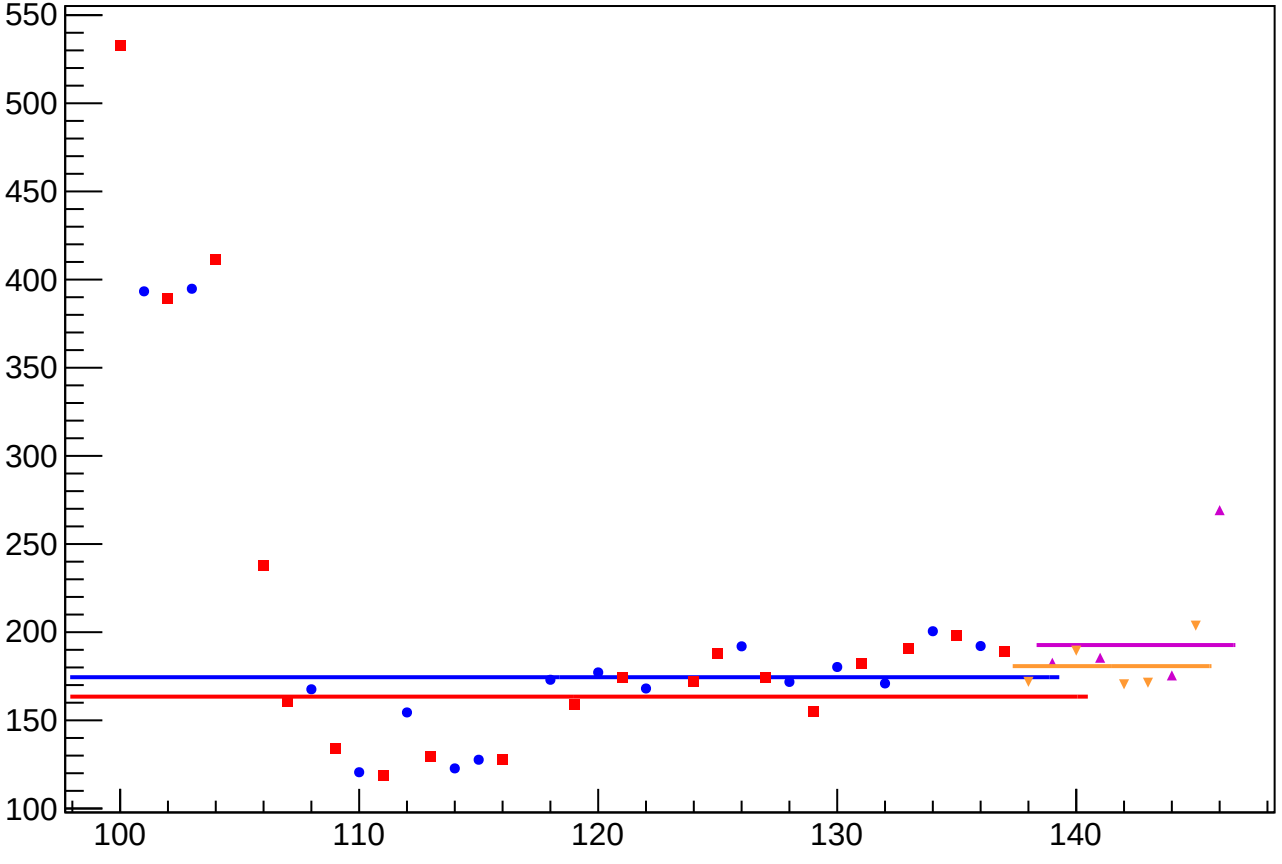
Left In: 142395.717+/-0.105 χ^2/NDF:63353357.1/3

+ sign 142742.666+/-0.056 χ^2/NDF: 323020100.3/2

All: 142724.252+/-0.039 χ^2/NDF: 46223780

- sign 142706.790+/-0.055 χ^2/NDF: 139008940.0/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 180.747+/-0.068 χ^2/NDF:35355.3/4

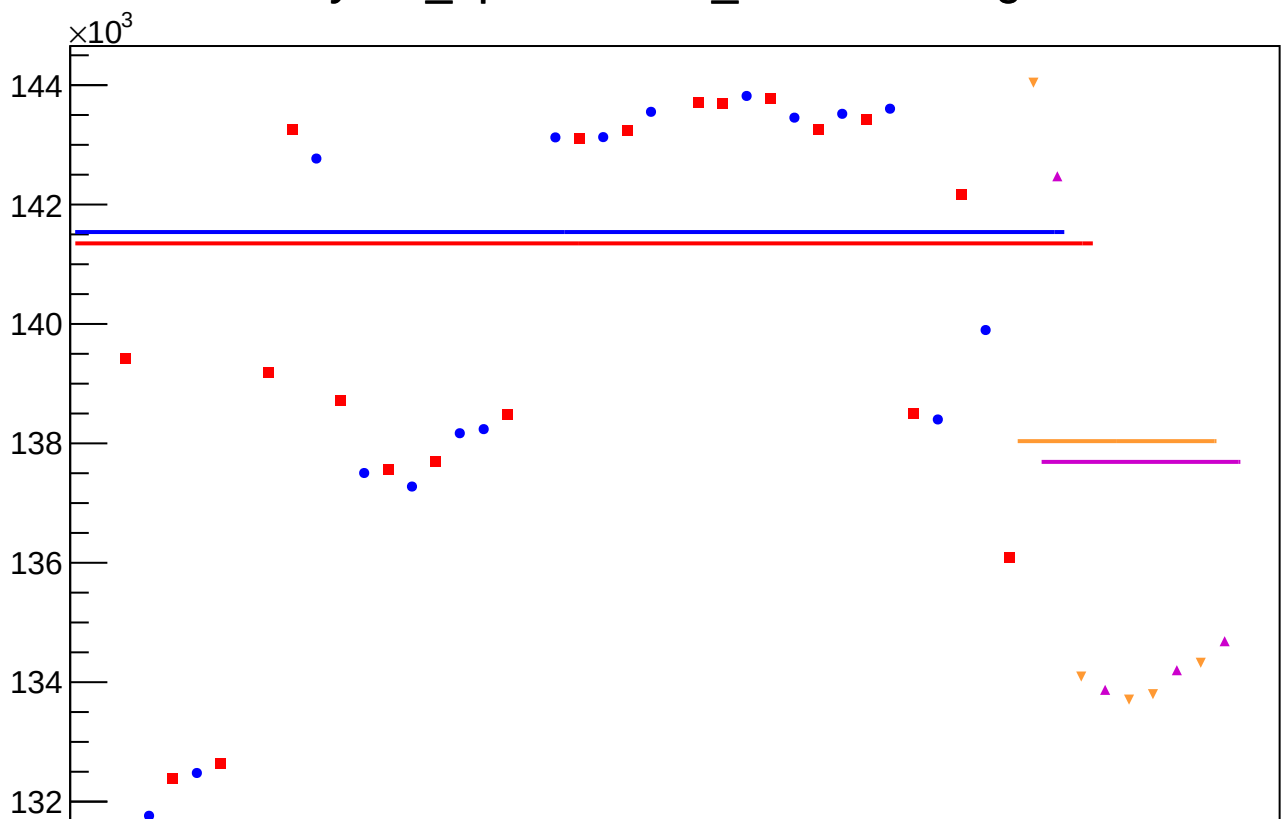
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 192.707+/-0.074 χ^2/NDF:166145.4/3

+ sign 176.606+/-0.040 χ^2/NDF: 1090105.7/20

All: 173.930+/-0.028 χ^2/NDF: 2660982.7/43

- sign 171.392+/-0.039 χ^2/NDF: 1562019.2/22



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138037.282+/-0.153 χ^2/NDF:1031176227.5/4

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

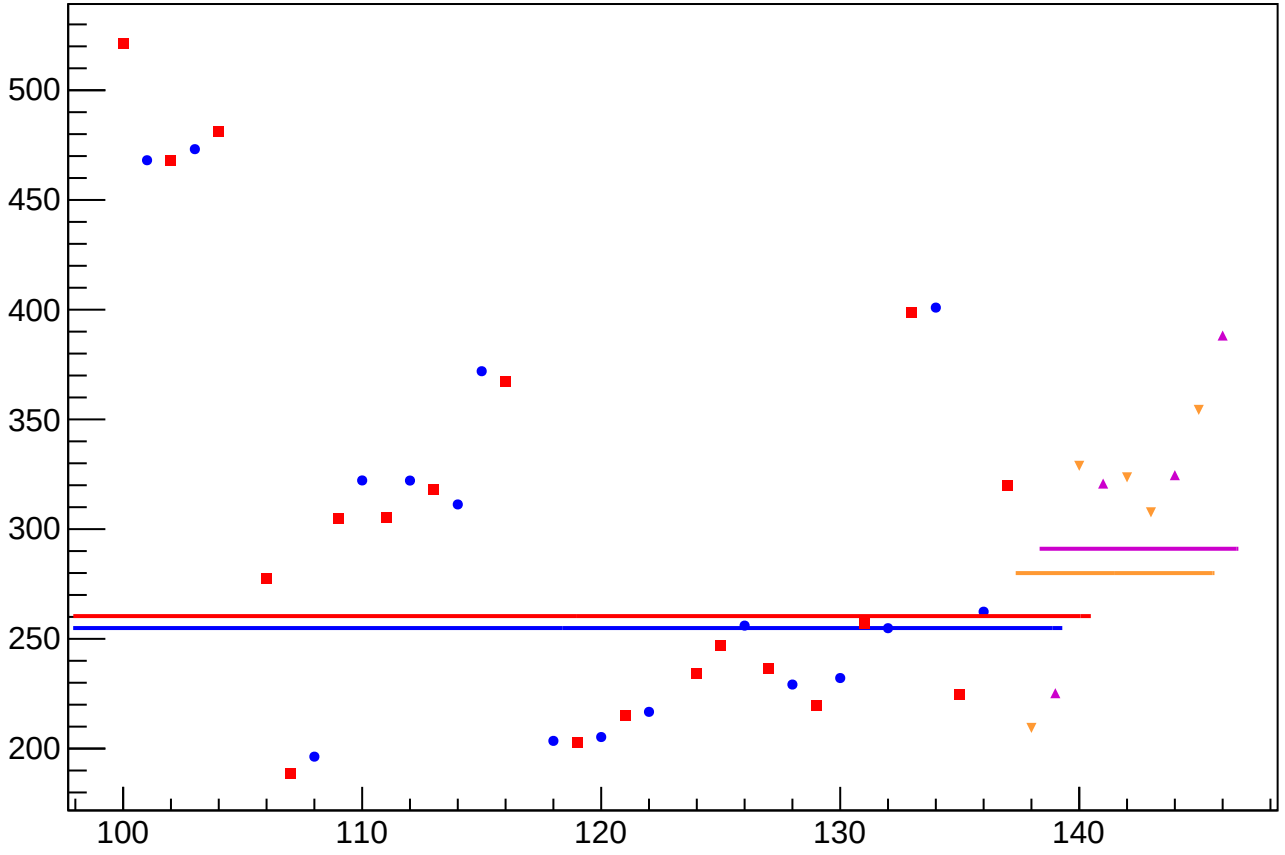
Left In: 137689.902+/-0.163 χ^2/NDF:633739376.9/3

+ sign 140484.088+/-0.084 χ^2/NDF: 2342613083.9

All: 140408.350+/-0.060 χ^2/NDF: 42700900

- sign 140329.771+/-0.086 χ^2/NDF: 1925830823.4/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 279.964+/-0.109 χ^2/NDF:299790.2/4

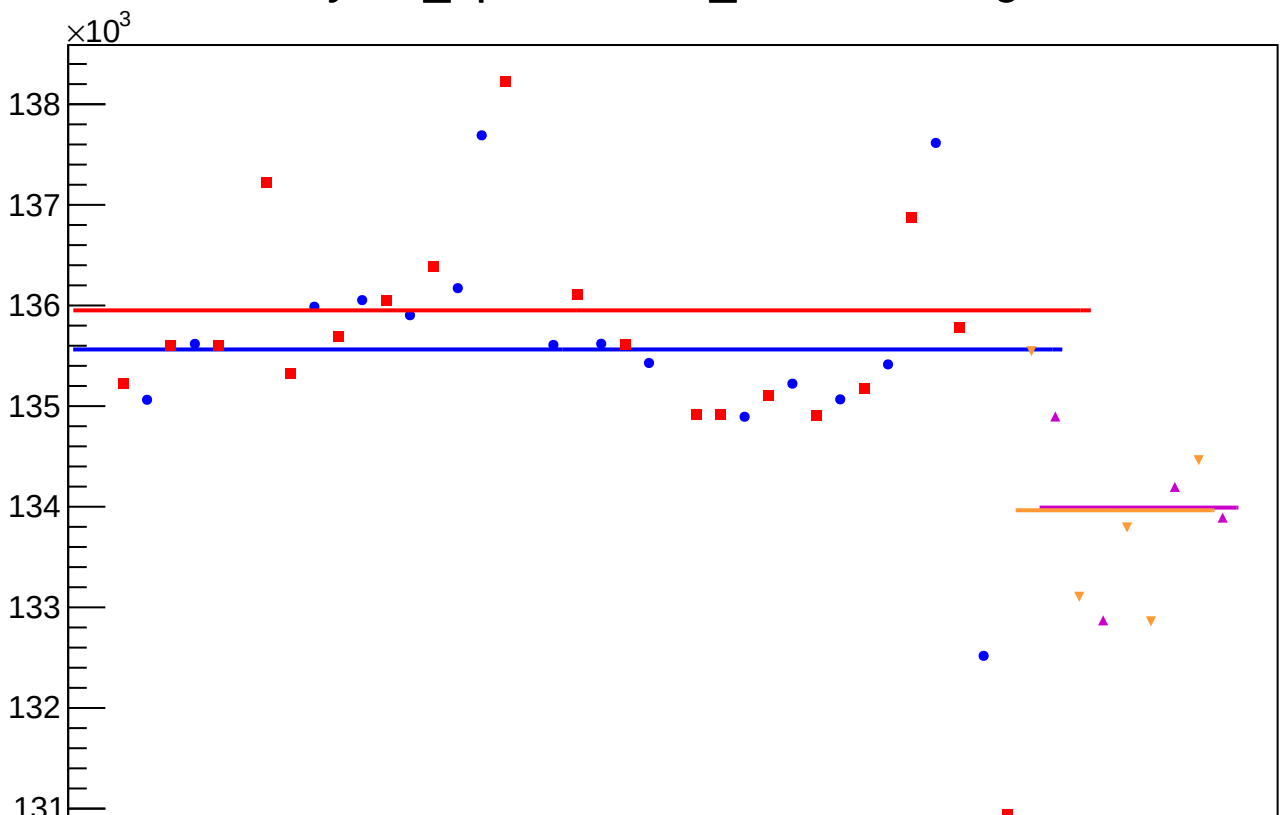
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 291.056+/-0.115 χ^2/NDF:274444.8/3

\+ sign 262.466+/-0.060 χ^2/NDF: 1286942.0/20

All: 265.634+/-0.043 χ^2/NDF: 2611835.1/43

\- sign 268.919+/-0.061 χ^2/NDF: 1319136.4/22



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133964.902+/-0.103 χ^2/NDF:102597085.0/4

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

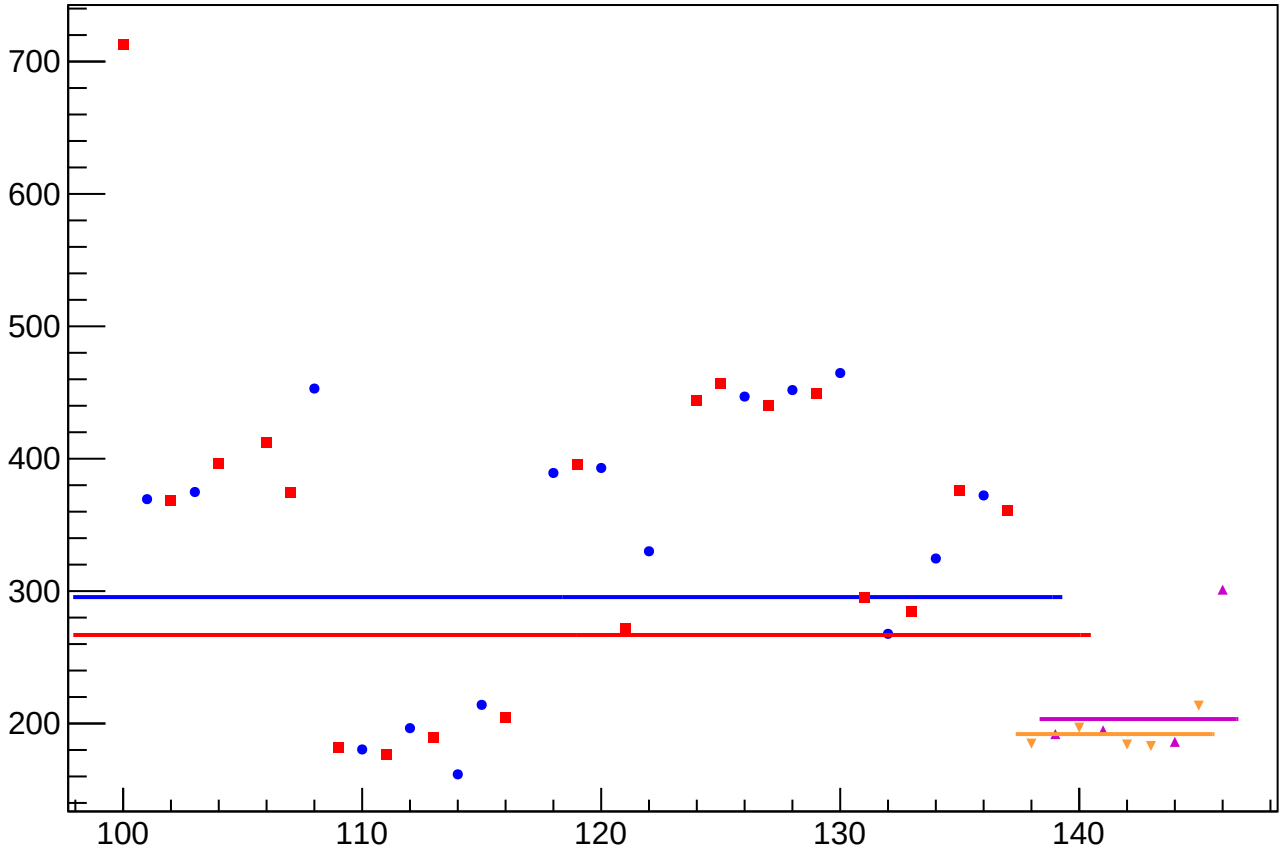
Left In: 133991.407+/-0.112 χ^2/NDF:47672305.7/3

+ sign 134653.547+/-0.078 χ^2/NDF: 300534729.0/2

All: 134840.554+/-0.055 χ^2/NDF: 61177999

- sign 135025.430+/-0.077 χ^2/NDF: 299723357.7/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 192.009+/-0.073 χ^2/NDF:24384.1/4

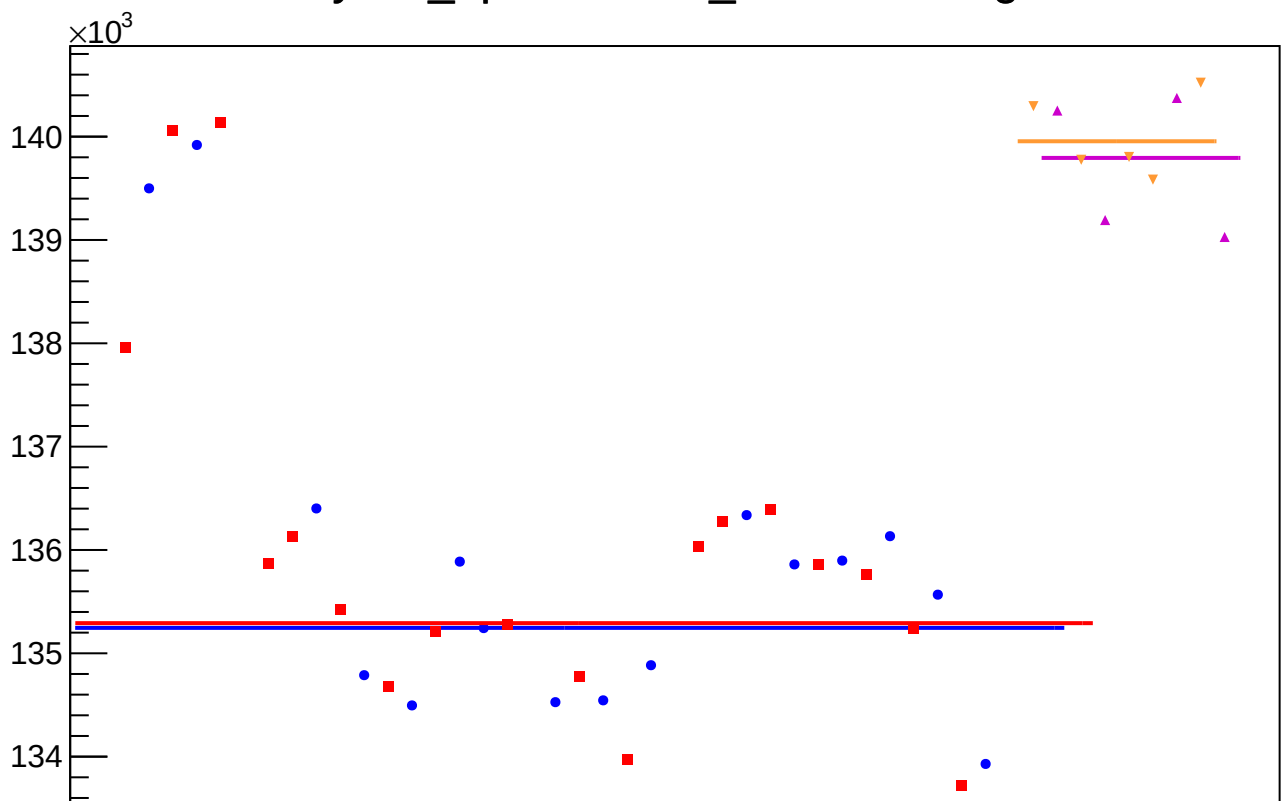
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 203.358+/-0.079 χ^2/NDF:196183.5/3

+ sign 236.595+/-0.055 χ^2/NDF: 2336890.8/20

All: 236.728+/-0.039 χ^2/NDF: 4548070.2/43

- sign 236.860+/-0.055 χ^2/NDF: 2211167.8/22



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 139955.203+/-0.097 χ^2/NDF:12541386.9/4

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

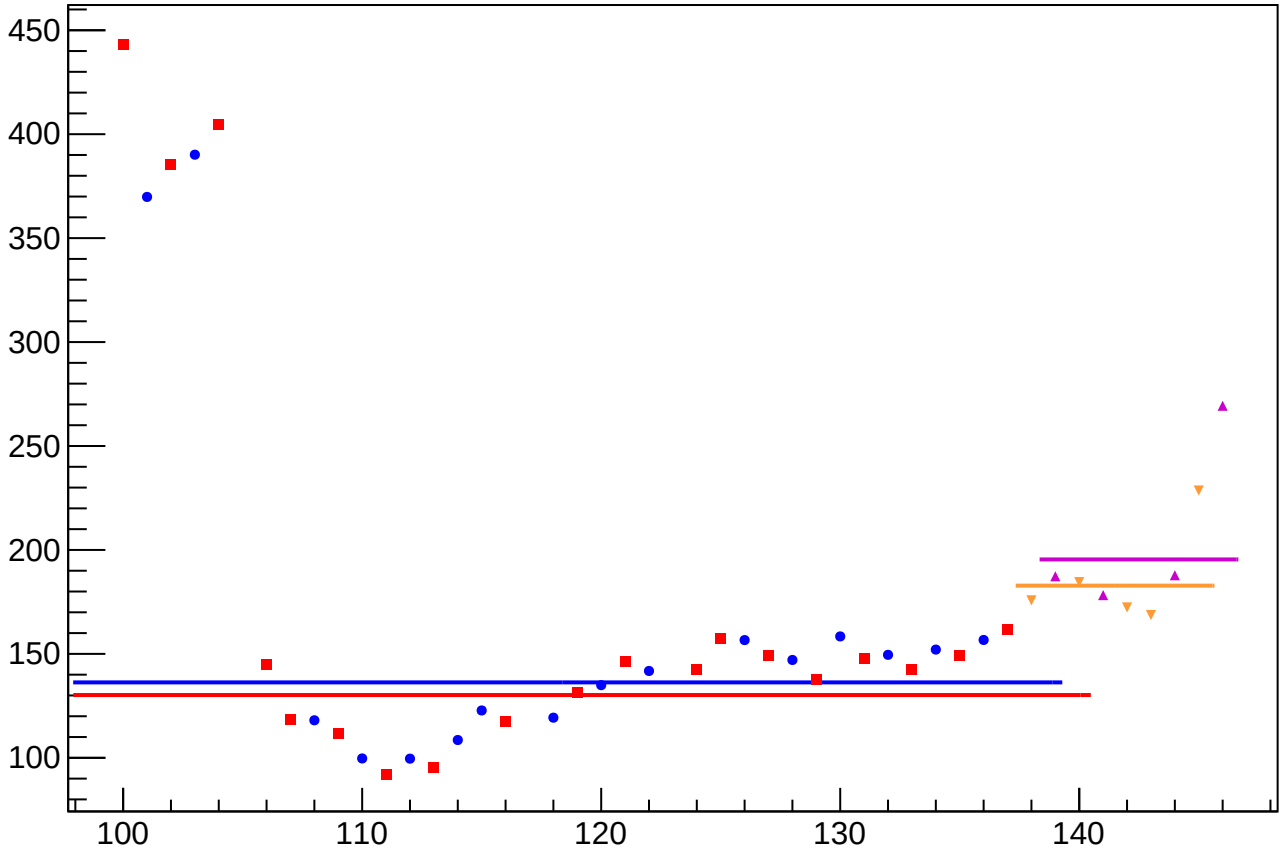
Left In: 139794.084+/-0.107 χ^2/NDF:30097232.2/3

+ sign 136375.839+/-0.048 χ^2/NDF: 2177220535.8

All: 136259.671+/-0.033 χ^2/NDF: 40417096

- sign 136149.014+/-0.047 χ^2/NDF: 1852912777.8/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 182.832+/-0.069 χ^2/NDF:78996.8/4

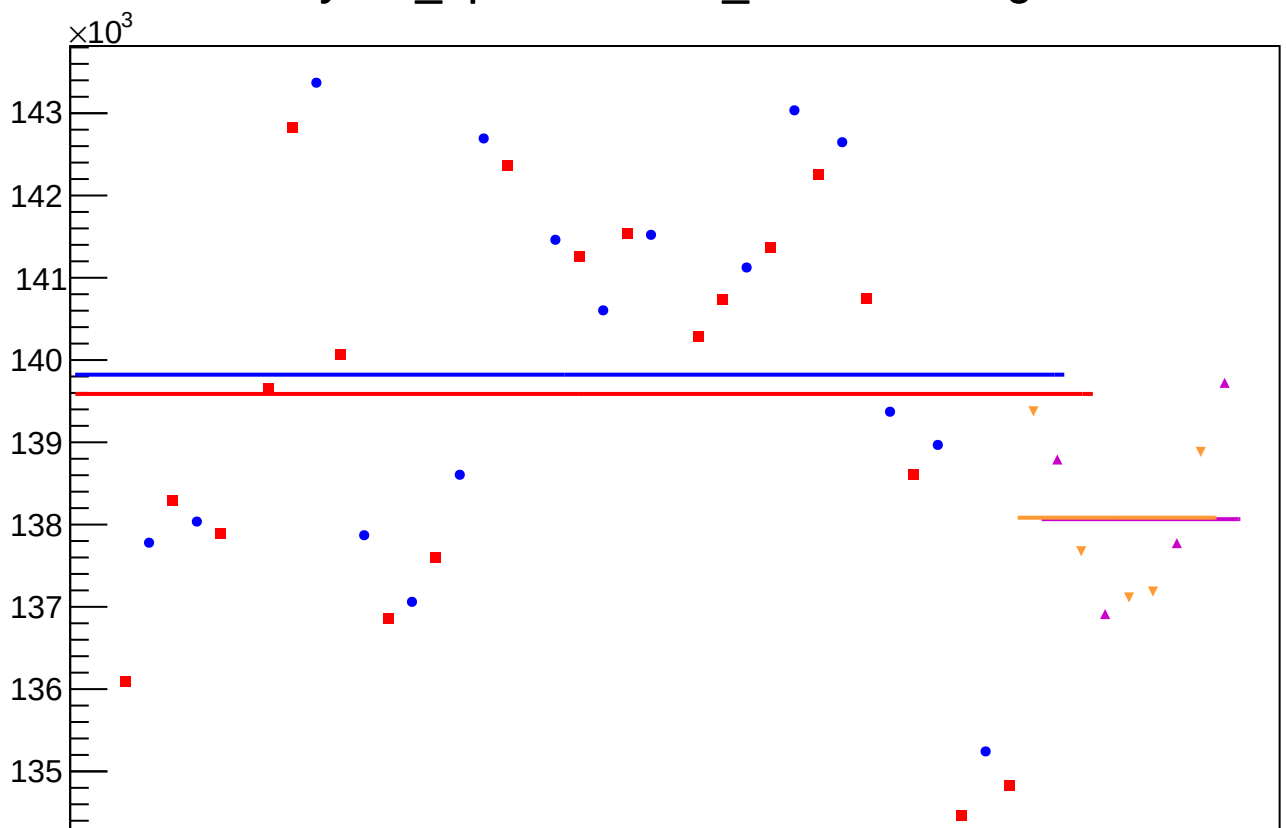
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 195.437+/-0.075 χ^2/NDF:148570.8/3

+ sign 147.451+/-0.034 χ^2/NDF: 1810176.9/20

All: 144.979+/-0.024 χ^2/NDF: 4095073.6/43

- sign 142.625+/-0.033 χ^2/NDF: 2274417.6/22



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 138083.655+/-0.097 χ^2/NDF:91945292.1/4

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

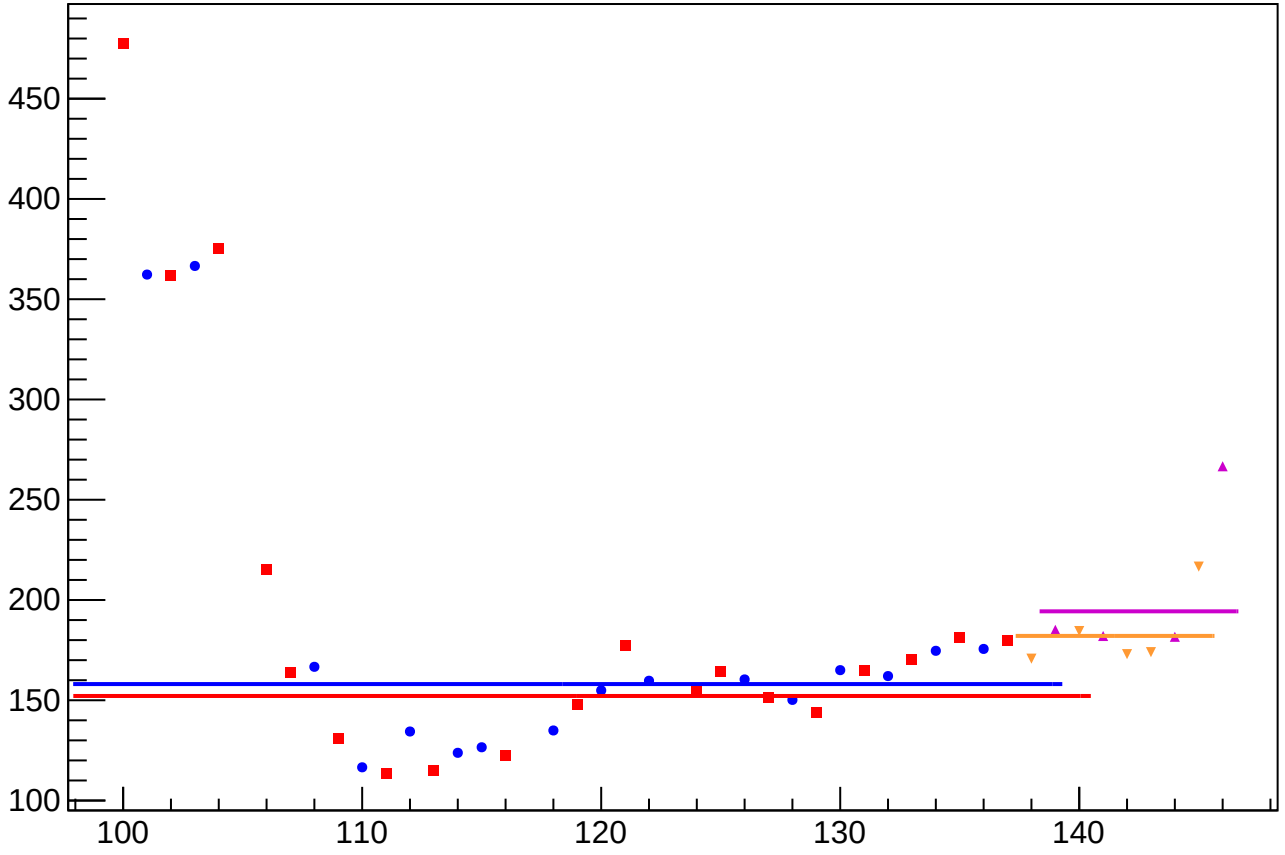
Left In: 138066.021+/-0.106 χ^2/NDF:83367923.5/3

+ sign 139311.571+/-0.053 χ^2/NDF: 1981880901.6

All: 139265.485+/-0.037 χ^2/NDF: 37064655

- sign 139220.419+/-0.052 χ^2/NDF: 1723066574.5/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 182.093+/-0.069 χ^2/NDF:52402.3/4

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

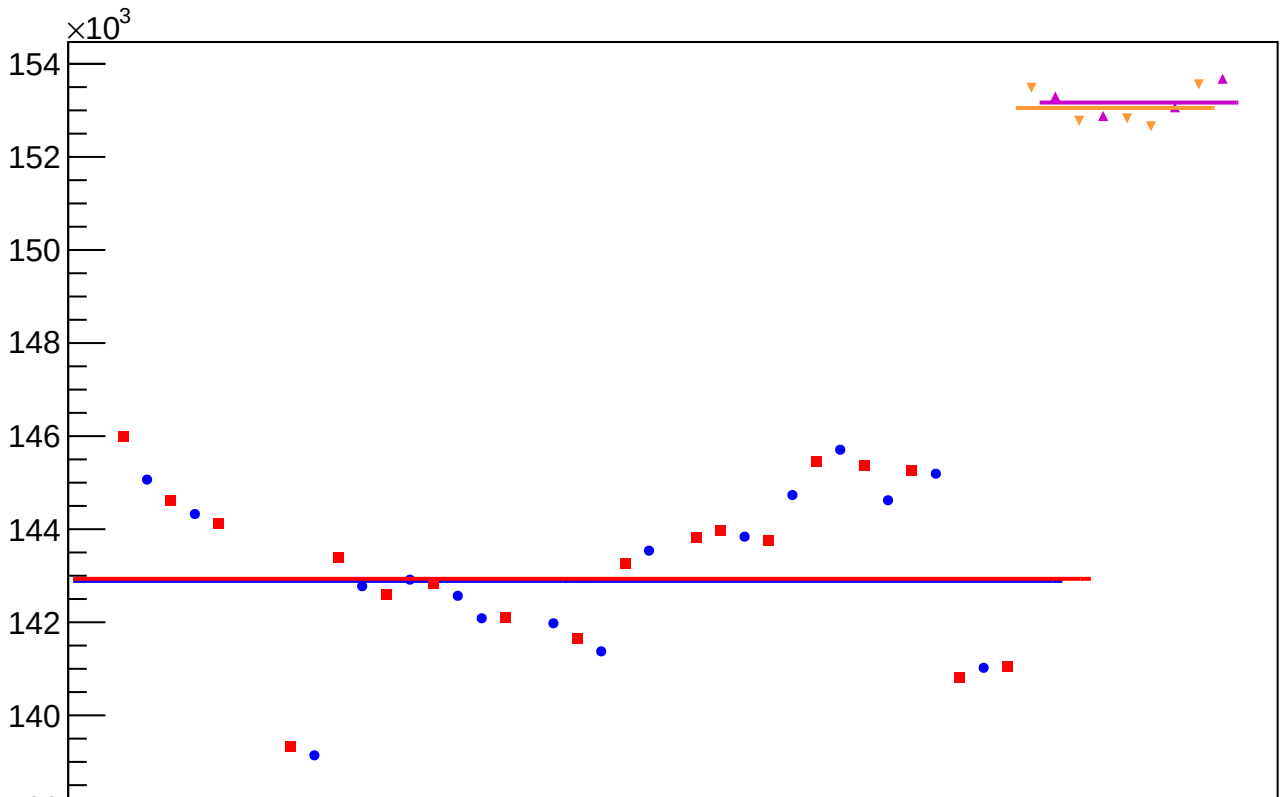
Left In: 194.350+/-0.075 χ^2/NDF:148127.0/3

+ sign 165.132+/-0.037 χ^2/NDF: 1156789.3/20

All: 163.716+/-0.026 χ^2/NDF: 2778037.4/43

- sign 162.331+/-0.037 χ^2/NDF: 1618381.4/22

yield_bpm0i05WS_mean vs Slug



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153051.822+/-0.099 χ^2/NDF:15436995.5/4

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

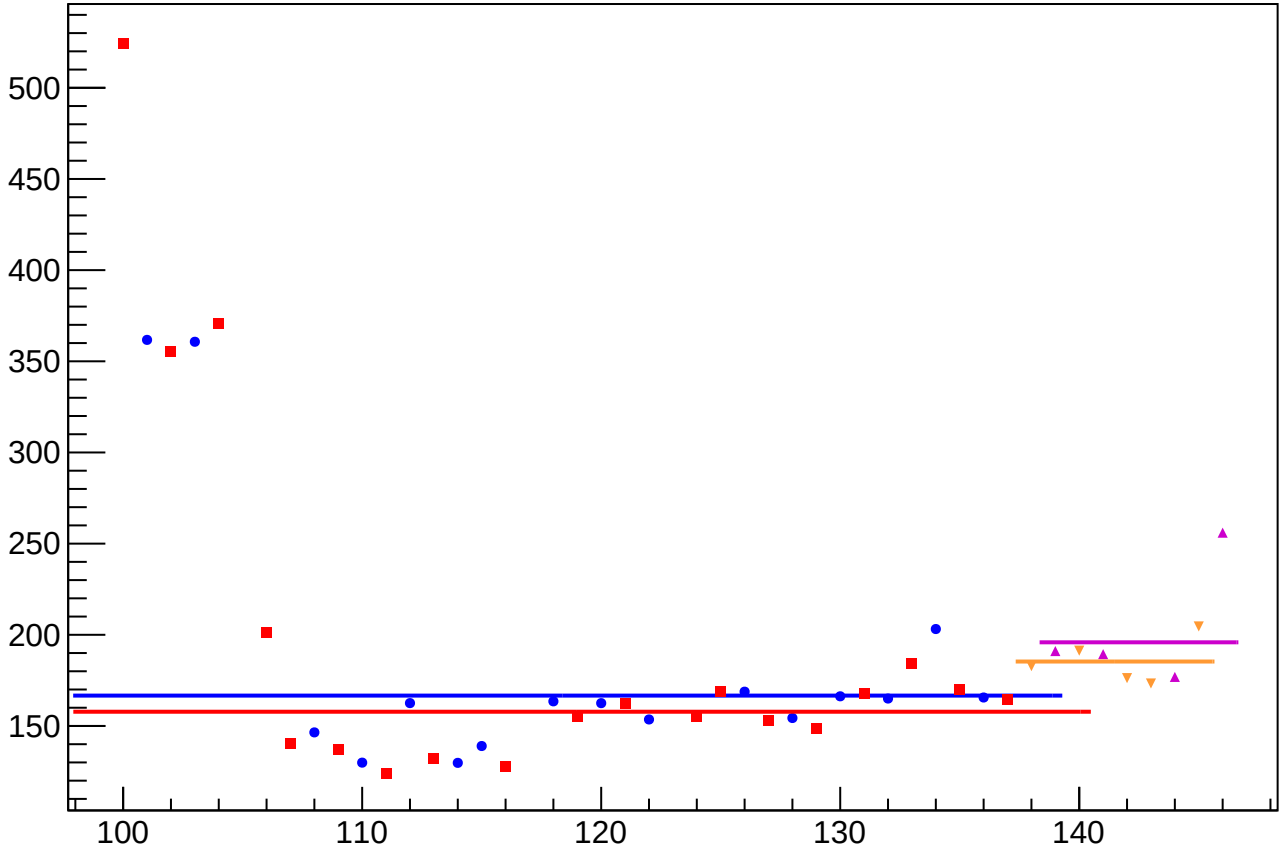
Left In: 153167.669+/-0.106 χ^2/NDF:6190955.4/3

+ sign 146005.721+/-0.055 χ^2/NDF: 8119020837.7

All: 145746.612+/-0.038 χ^2/NDF: 15893654

- sign 145500.888+/-0.053 χ^2/NDF: 7730906646.3/

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 185.341+/-0.070 χ^2/NDF:25593.3/4

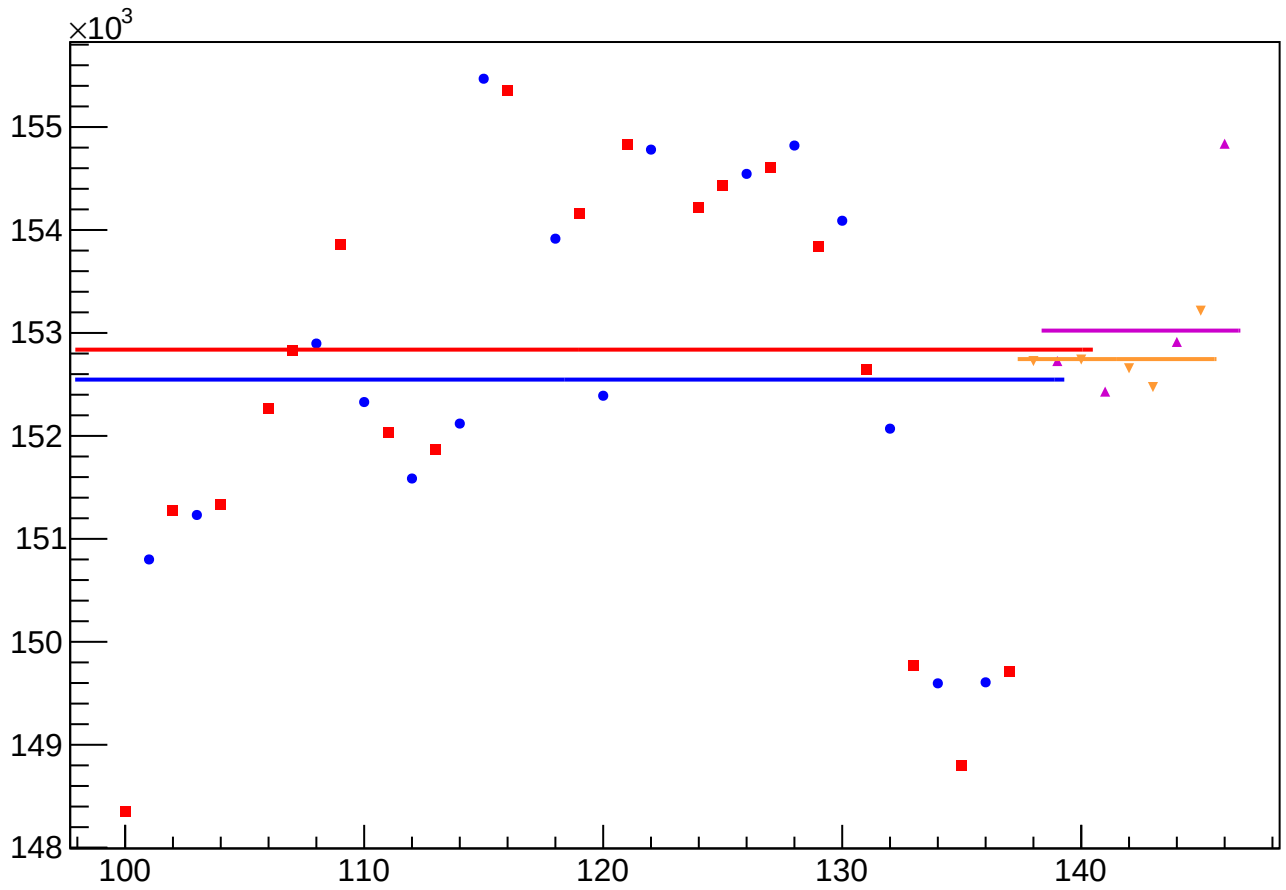
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 195.880+/-0.075 χ^2/NDF:119476.4/3

+ sign 172.386+/-0.039 χ^2/NDF: 938792.0/20

All: 169.806+/-0.027 χ^2/NDF: 2281287.2/43

- sign 167.358+/-0.038 χ^2/NDF: 1333821.9/22



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152746.108+/-0.097 χ^2/NDF:6297486.0/4

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

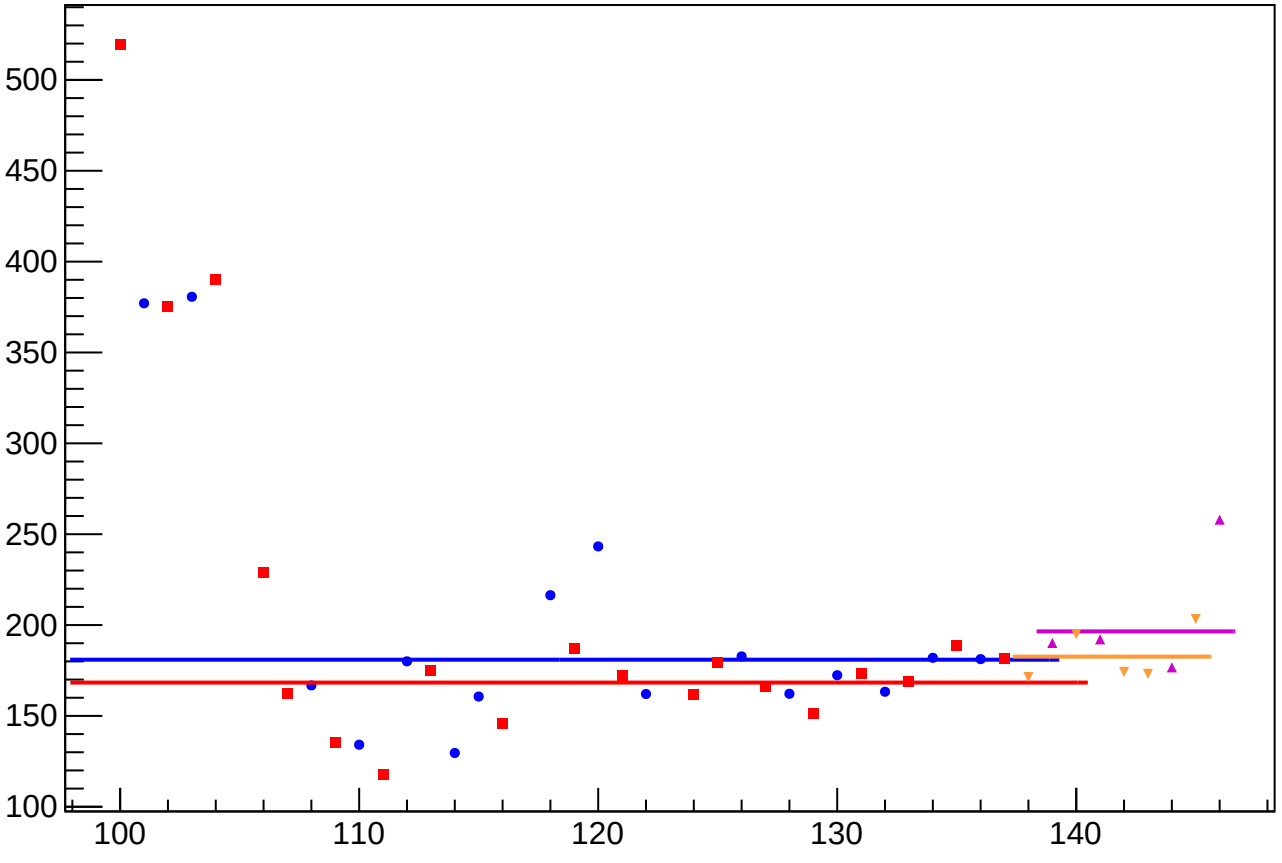
Left In: 153022.829+/-0.107 χ^2/NDF:54050920.6/3

+ sign 152618.404+/-0.058 χ^2/NDF: 663539430.5/2

All: 152758.044+/-0.041 χ^2/NDF: 14678811

- sign 152889.941+/-0.057 χ^2/NDF: 793124440.0/2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 182.622+/-0.069 χ^2/NDF:35993.5/4

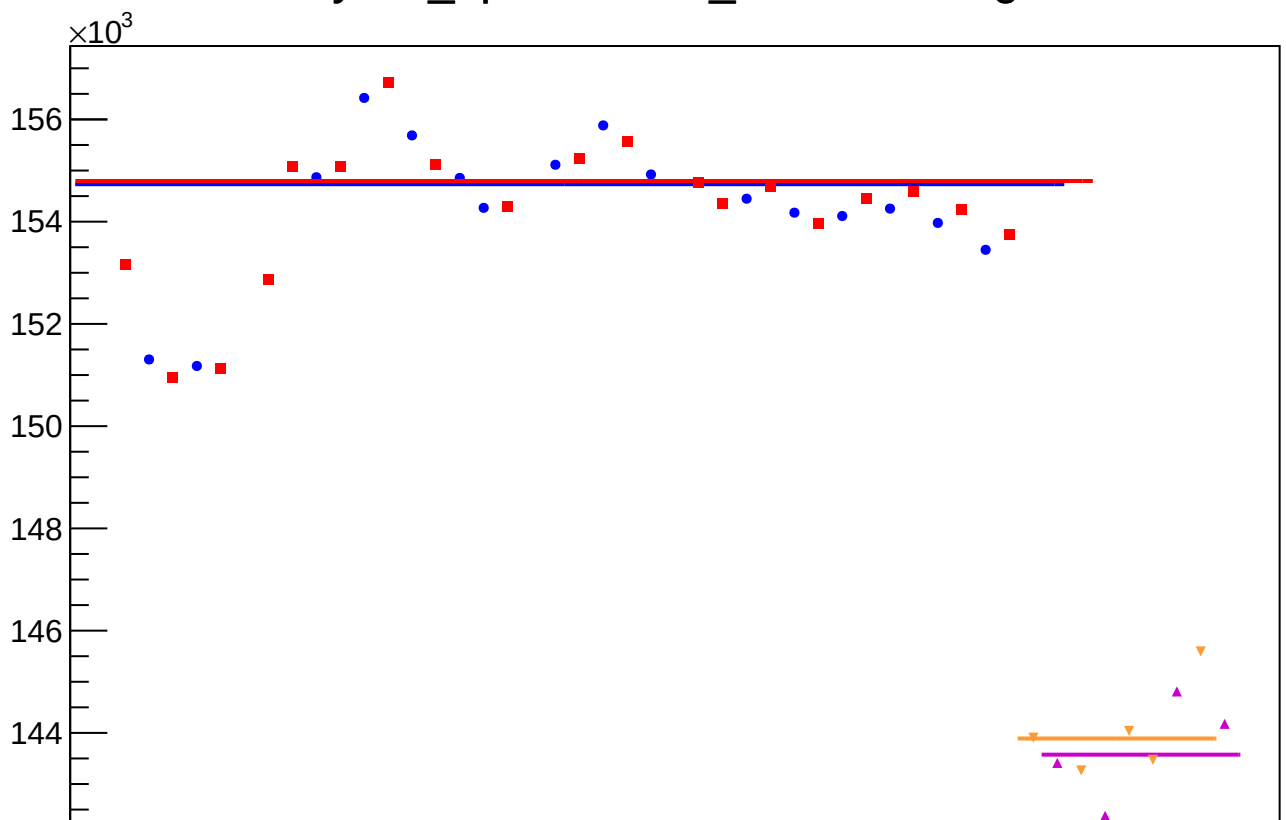
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 196.517+/-0.075 χ^2/NDF:124510.1/3

+ sign 181.543+/-0.041 χ^2/NDF: 944137.5/20

All: 178.835+/-0.029 χ^2/NDF: 2266684.5/43

- sign 176.277+/-0.040 χ^2/NDF: 1314110.6/22



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143890.461+/-0.095 χ^2/NDF:61855265.9/4

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

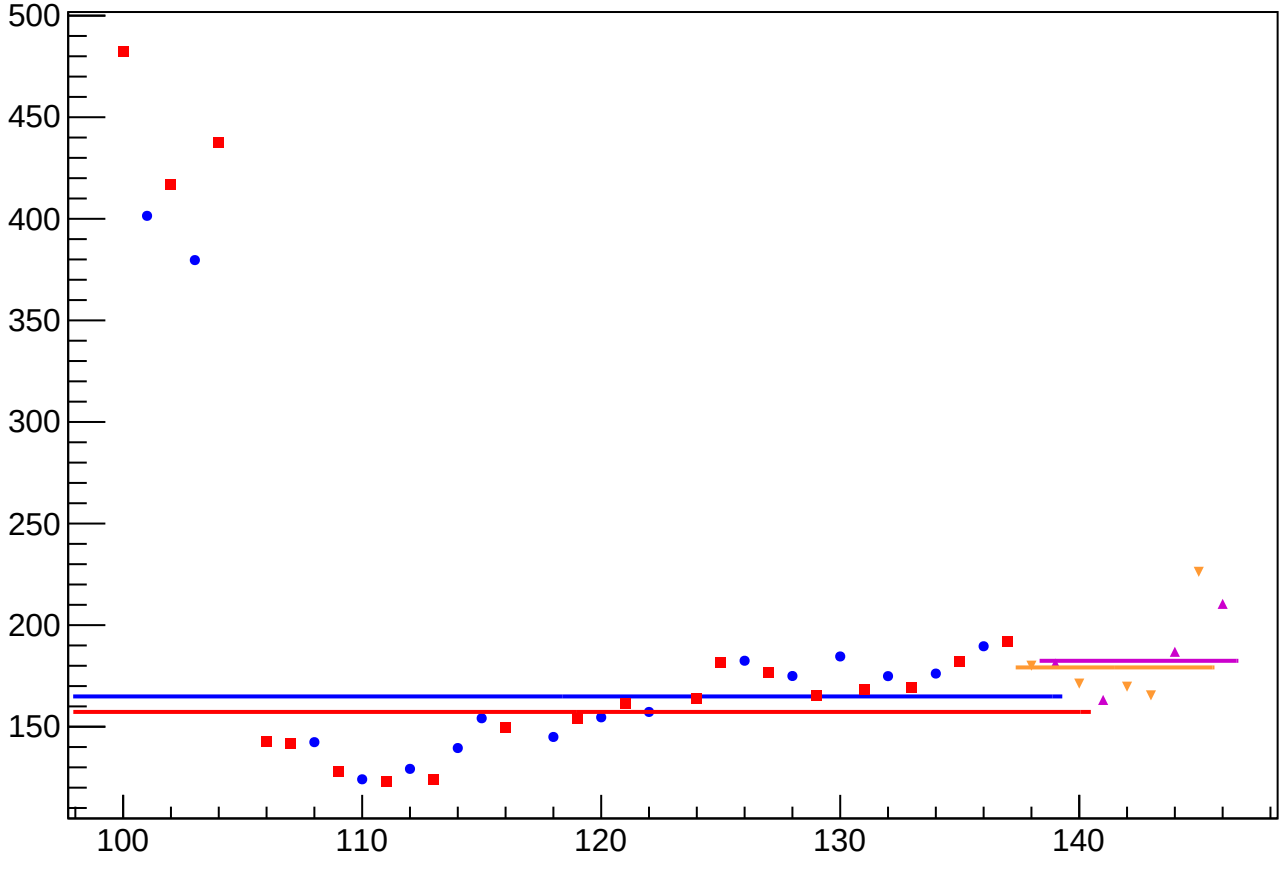
Left In: 143574.410+/-0.098 χ^2/NDF:93672513.6/3

+ sign 151258.445+/-0.054 χ^2/NDF: 9200214420.8

All: 151471.720+/-0.037 χ^2/NDF: 19034061

- sign 151670.375+/-0.052 χ^2/NDF: 9803429553.1/

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.185+/-0.067 χ^2/NDF:86959.9/4

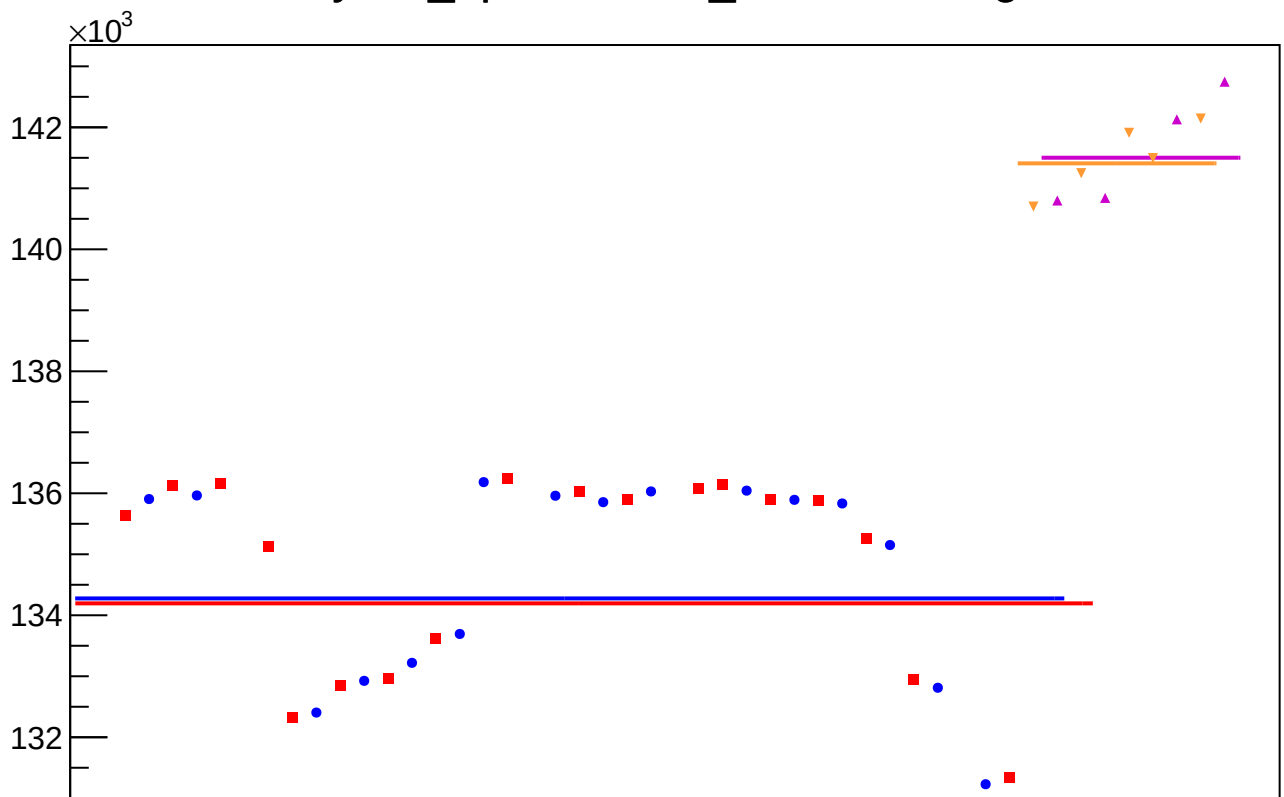
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 182.444+/-0.069 χ^2/NDF:56431.0/3

+ sign 169.482+/-0.038 χ^2/NDF: 1190434.2/20

All: 166.795+/-0.026 χ^2/NDF: 2605934.2/43

- sign 164.291+/-0.037 χ^2/NDF: 1405839.2/22



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 141409.289+/-0.093 χ^2/NDF:26319047.8/4

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

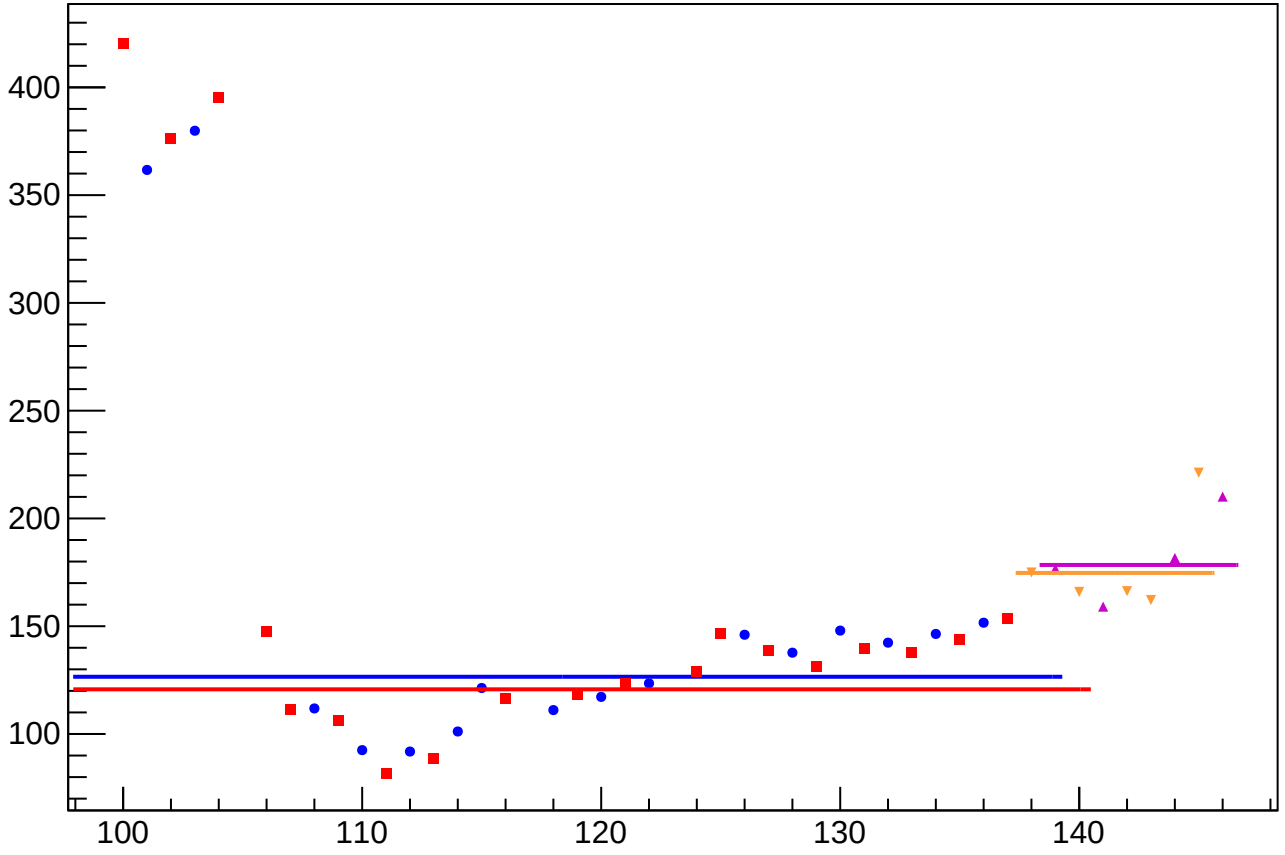
Left In: 141501.796+/-0.096 χ^2/NDF:69451976.0/3

+ sign 135925.989+/-0.045 χ^2/NDF: 5725142081.4

All: 135782.100+/-0.031 χ^2/NDF: 11633761

- sign 135648.496+/-0.043 χ^2/NDF: 5888511788.0/

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 174.727+/-0.066 χ^2/NDF:87501.5/4

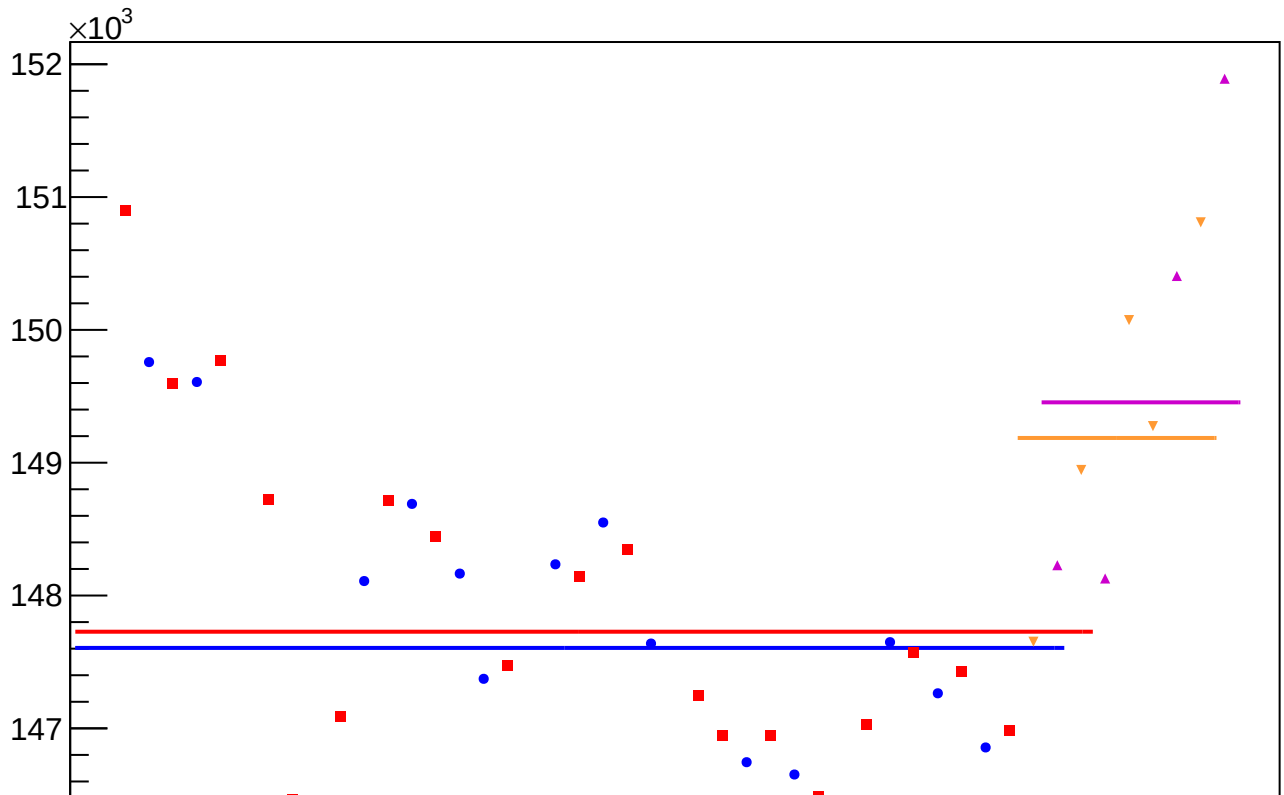
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 178.421+/-0.068 χ^2/NDF:66178.2/3

+ sign 137.694+/-0.032 χ^2/NDF: 1980559.5/20

All: 134.845+/-0.022 χ^2/NDF: 4270613.2/43

- sign 132.199+/-0.030 χ^2/NDF: 2274283.7/22



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 149186.313+/-0.110 χ^2/NDF:87919804.8/4

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

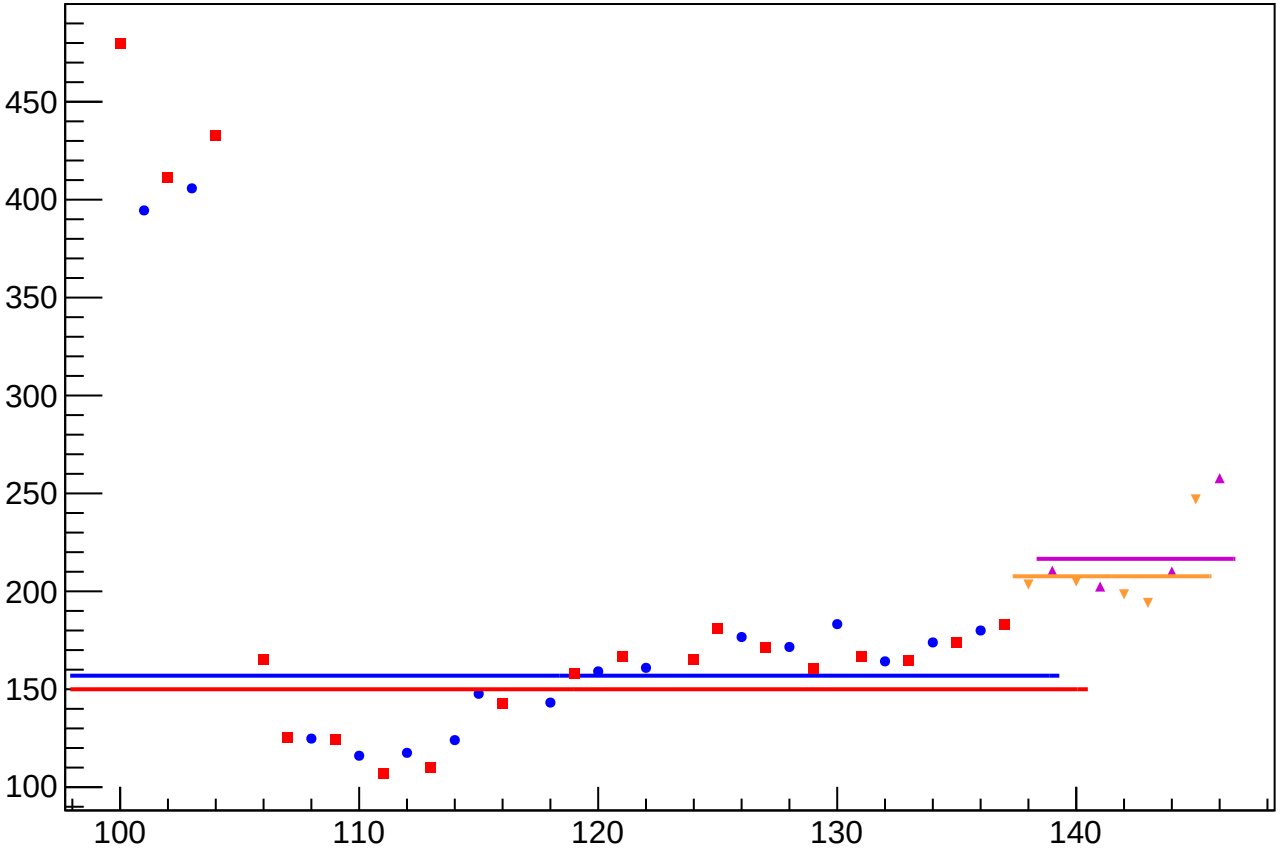
Left In: 149454.490+/-0.117 χ^2/NDF:162924875.4/3

+ sign 147991.950+/-0.054 χ^2/NDF: 444902255.6/2

All: 148036.909+/-0.038 χ^2/NDF: 97872246

- sign 148079.078+/-0.053 χ^2/NDF: 532491715.4/2

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 207.687+/-0.078 χ^2/NDF:51184.5/4

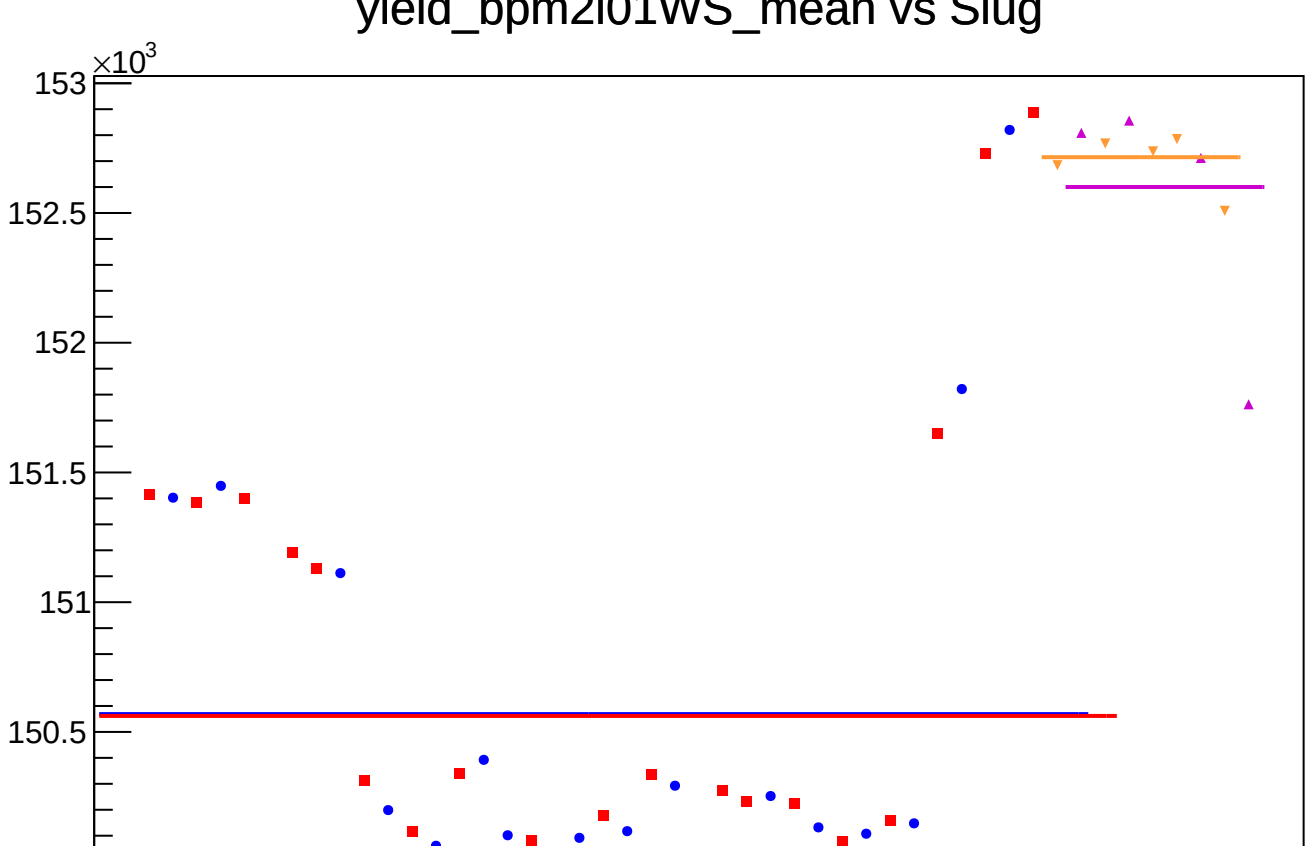
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 216.597+/-0.082 χ^2/NDF:56646.7/3

+ sign 169.333+/-0.038 χ^2/NDF: 1639648.0/20

All: 166.349+/-0.027 χ^2/NDF: 3681858.0/43

- sign 163.550+/-0.037 χ^2/NDF: 2030504.9/22



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152715.053+/-0.094 χ^2/NDF:919889.7/4

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

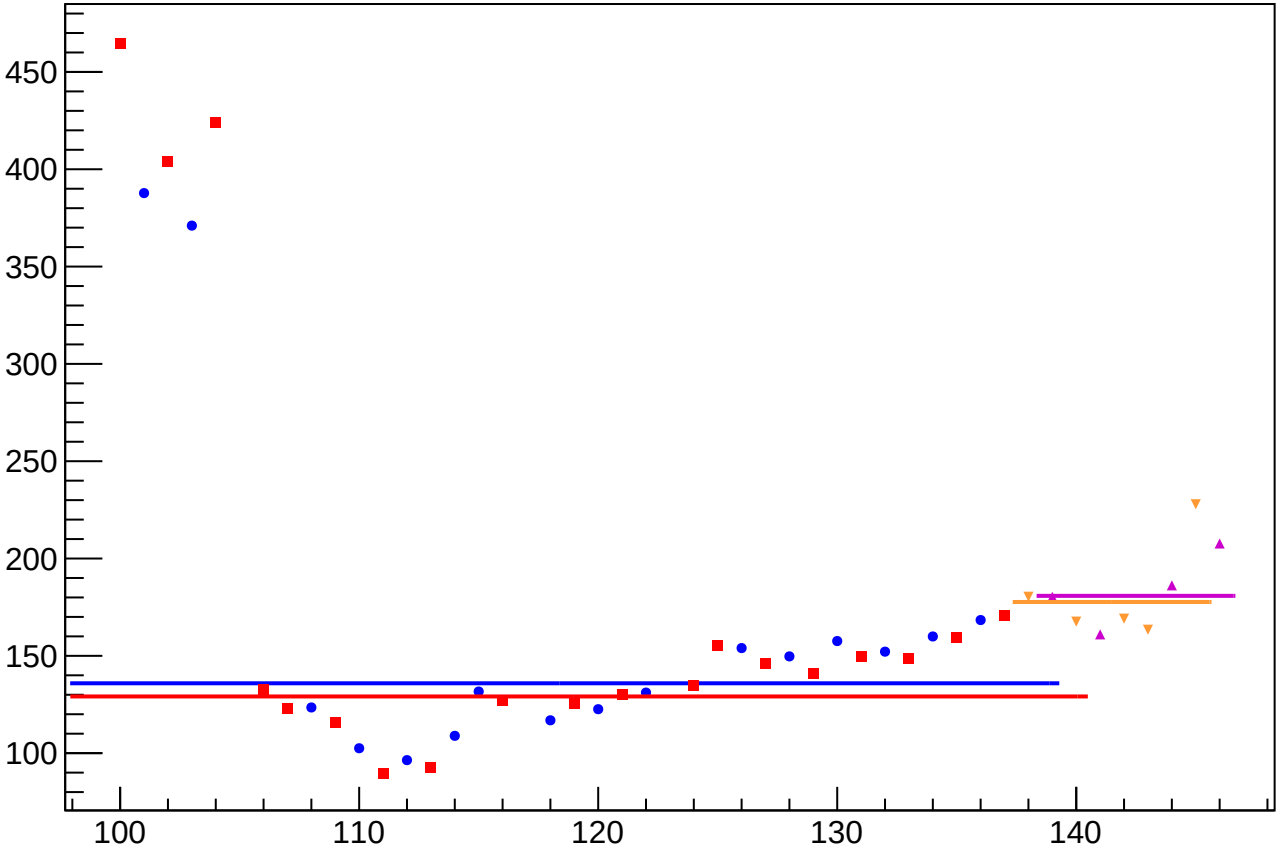
Left In: 152600.190+/-0.097 χ^2/NDF:17775406.1/3

+ sign 151108.226+/-0.047 χ^2/NDF: 626424006.3/2

All: 151051.368+/-0.033 χ^2/NDF: 11877980

- sign 150999.389+/-0.045 χ^2/NDF: 558602323.5/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 177.674+/-0.067 χ^2/NDF:98820.2/4

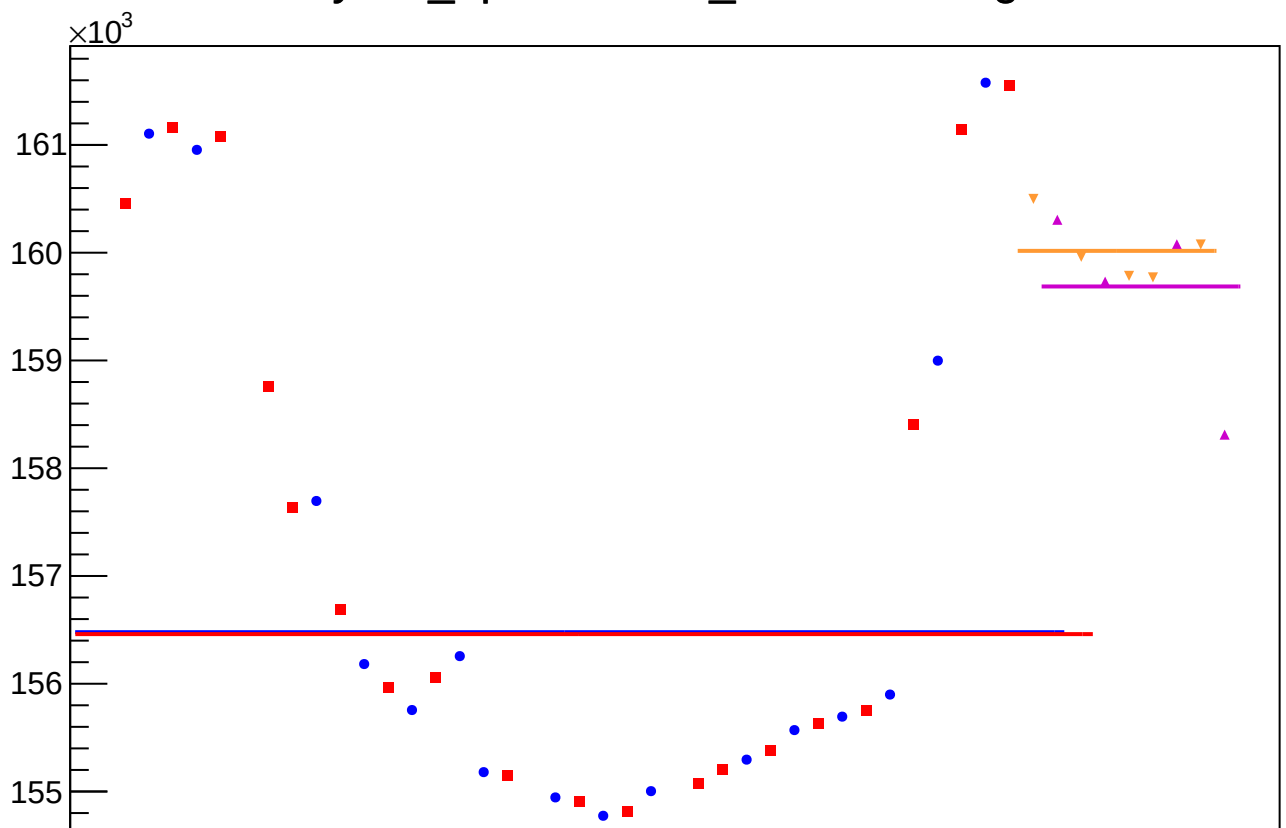
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.825+/-0.069 χ^2/NDF:57059.9/3

+ sign 146.399+/-0.033 χ^2/NDF: 1809407.4/20

All: 143.177+/-0.023 χ^2/NDF: 3940135.6/43

- sign 140.231+/-0.032 χ^2/NDF: 2112925.2/22



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 160017.075+/-0.098 χ^2/NDF:7665788.7/4

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

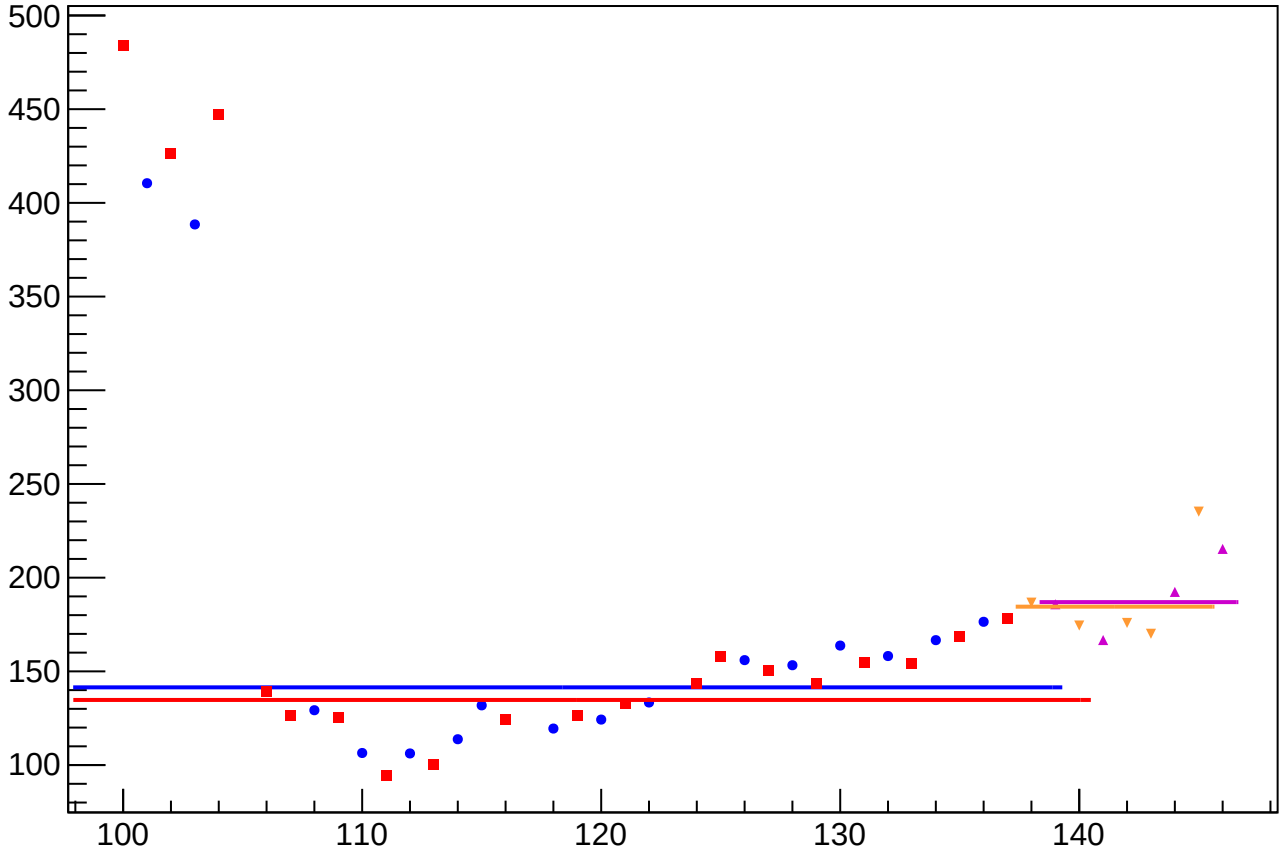
Left In: 159686.634+/-0.101 χ^2/NDF:48516455.6/3

+ sign 157371.374+/-0.049 χ^2/NDF: 2276195144.6

All: 157262.112+/-0.034 χ^2/NDF: 42366248

- sign 157162.115+/-0.047 χ^2/NDF: 1950955340.0/

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 184.524+/-0.069 χ^2/NDF:94184.4/4

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

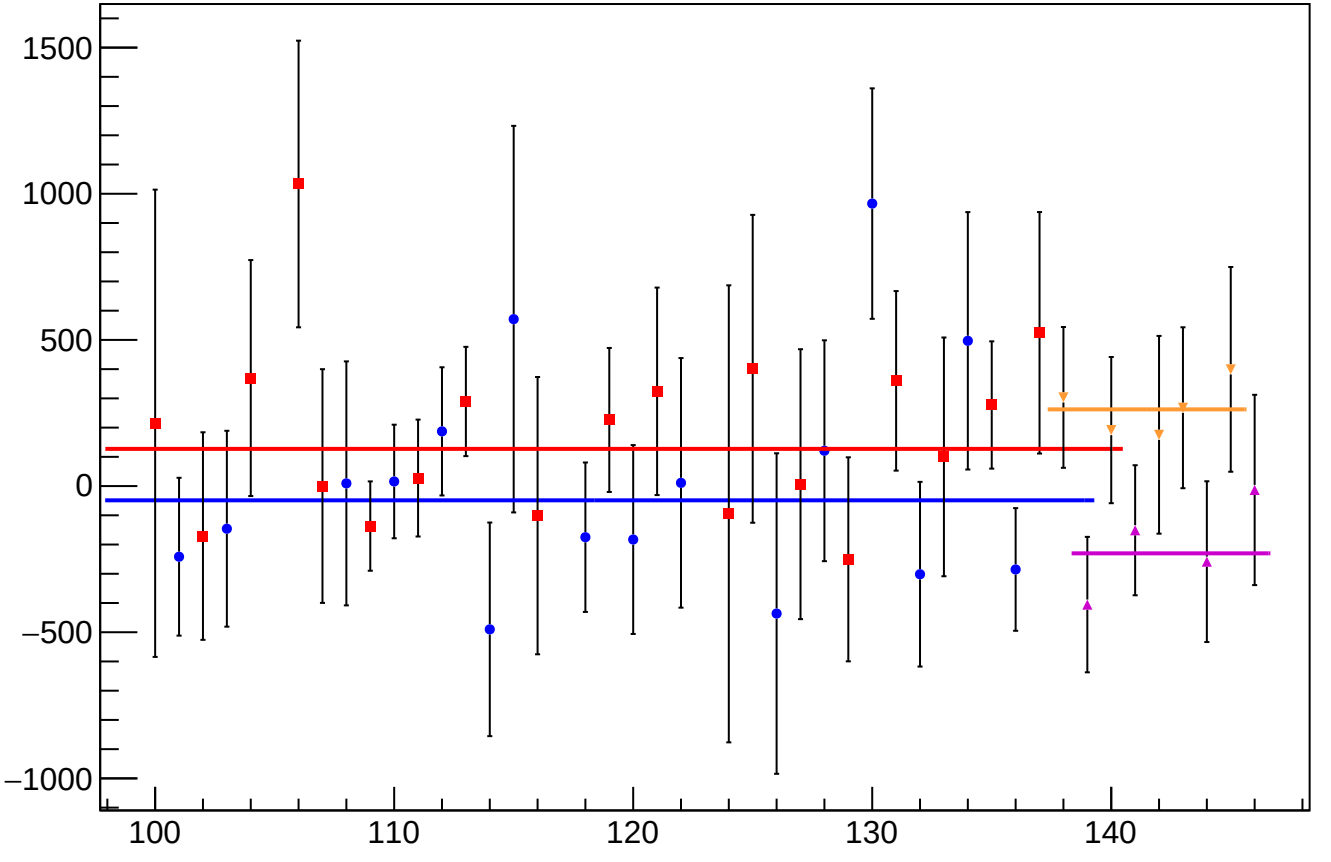
Left In: 186.955+/-0.071 χ^2/NDF:57532.7/3

+ sign 152.335+/-0.035 χ^2/NDF: 1775966.8/20

All: 149.079+/-0.024 χ^2/NDF: 3849410.7/43

- sign 146.099+/-0.033 χ^2/NDF: 2056617.1/22

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 262.404+/-125.670 χ^2/NDF:0.3/4

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

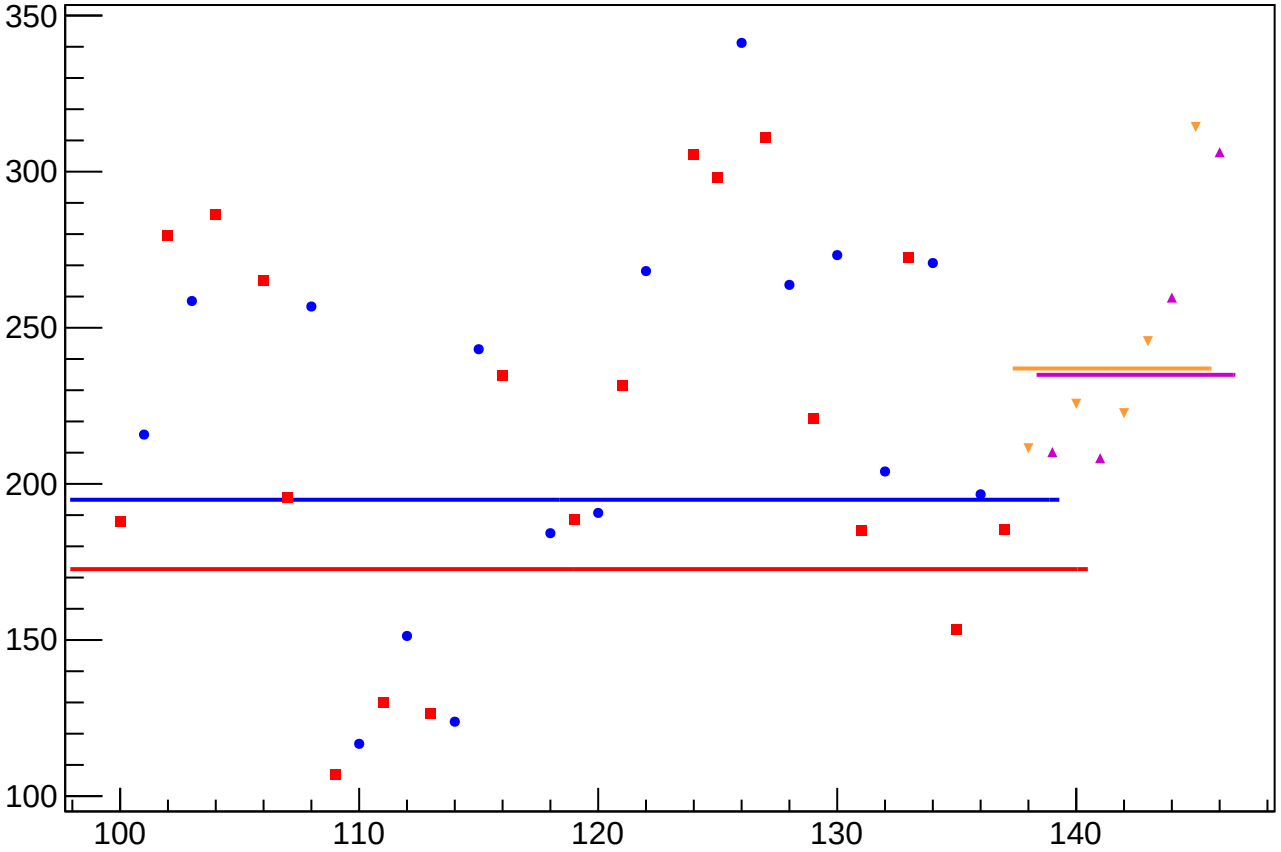
Left In: -230.108+/-127.526 χ^2/NDF:1.2/3

+ sign 35.525+/-65.402 χ^2/NDF: 20.2/20

All: 41.841+/-44.352 χ^2/NDF: 40.3/43

- sign 47.219+/-60.350 χ^2/NDF: 20.1/22

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 236.960+/-0.089 χ^2/NDF:129749.8/4

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

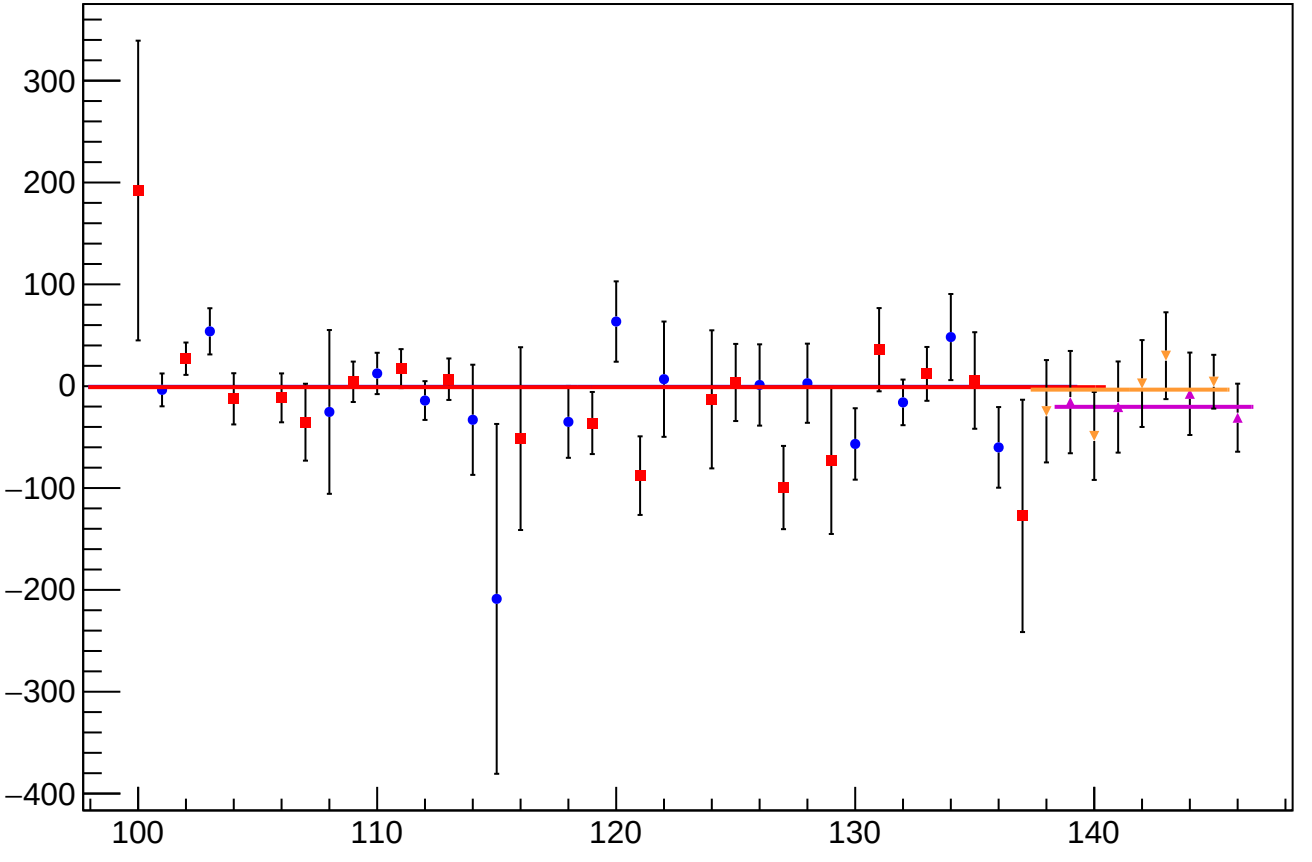
Left In: 234.930+/-0.090 χ^2/NDF:163726.6/3

+ sign 206.308+/-0.046 χ^2/NDF: 1321826.8/20

All: 195.685+/-0.031 χ^2/NDF: 3584148.3/43

- sign 186.639+/-0.043 χ^2/NDF: 2164623.1/22

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -3.380+/-16.985 χ^2/NDF:2.0/4

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

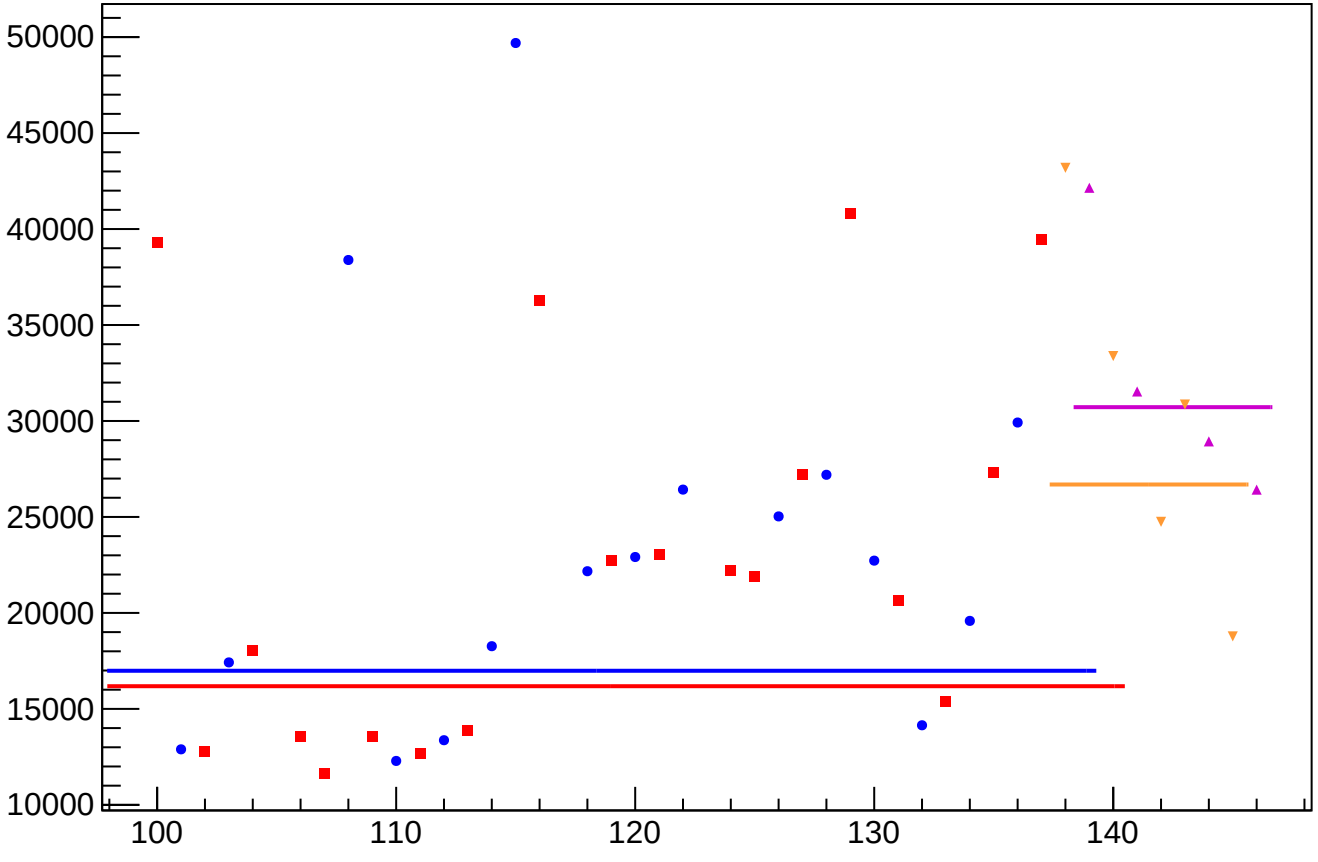
Left In: -20.264+/-20.403 χ^2/NDF:0.2/3

+ sign -1.058+/-6.738 χ^2/NDF: 20.9/20

All: -1.998+/-4.649 χ^2/NDF: 45.0/43

- sign -2.853+/-6.423 χ^2/NDF: 24.1/22

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 26690.557+/-12.010 χ^2/NDF:466563.7/4

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

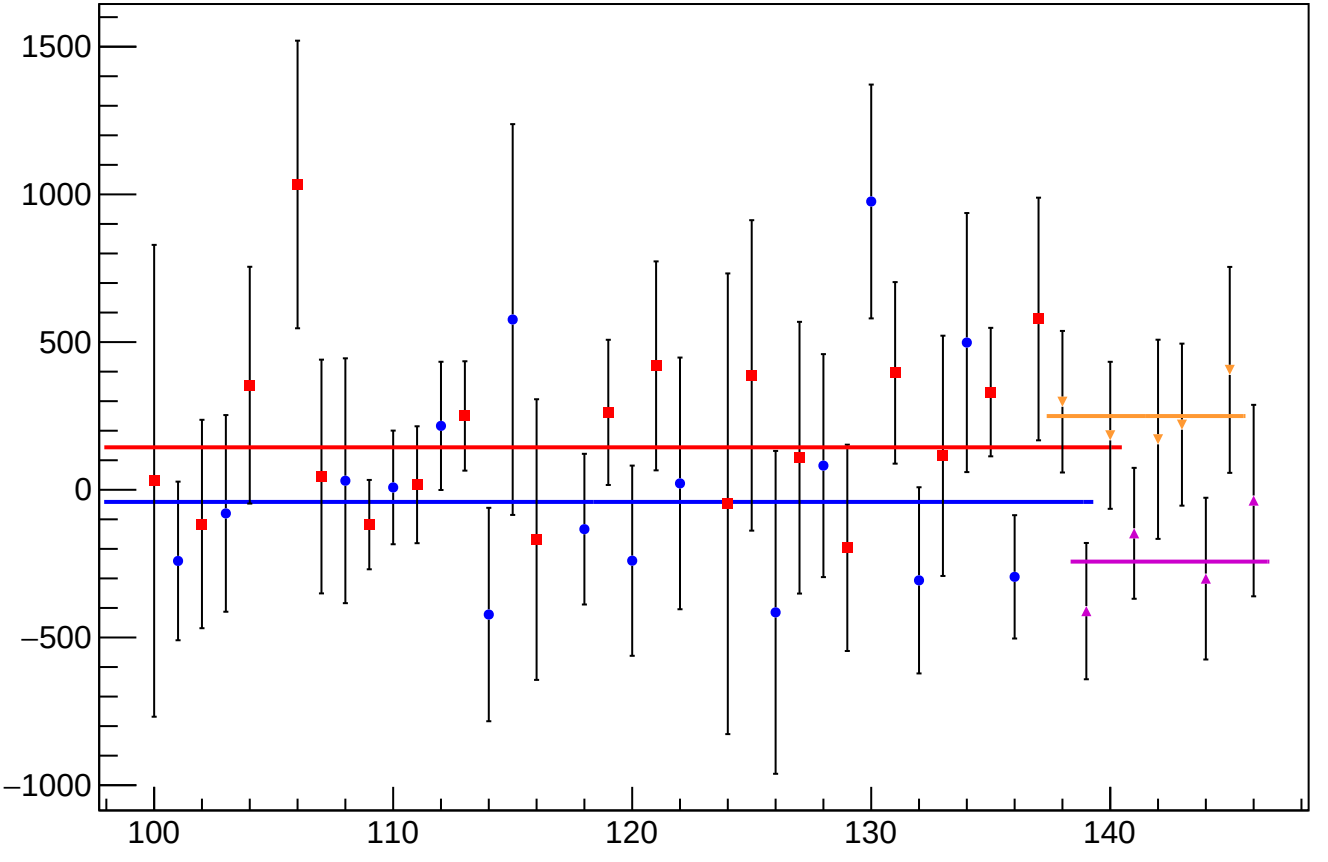
Left In: 30719.973+/-14.427 χ^2/NDF:141205.5/3

+ sign 18513.576+/-4.764 χ^2/NDF: 2210771.6/20

All: 18046.809+/-3.287 χ^2/NDF: 4536591.2/4

- sign 17622.666+/-4.542 χ^2/NDF: 2307500.5/22

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 249.621+/-125.107 χ^2/NDF:0.4/4

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

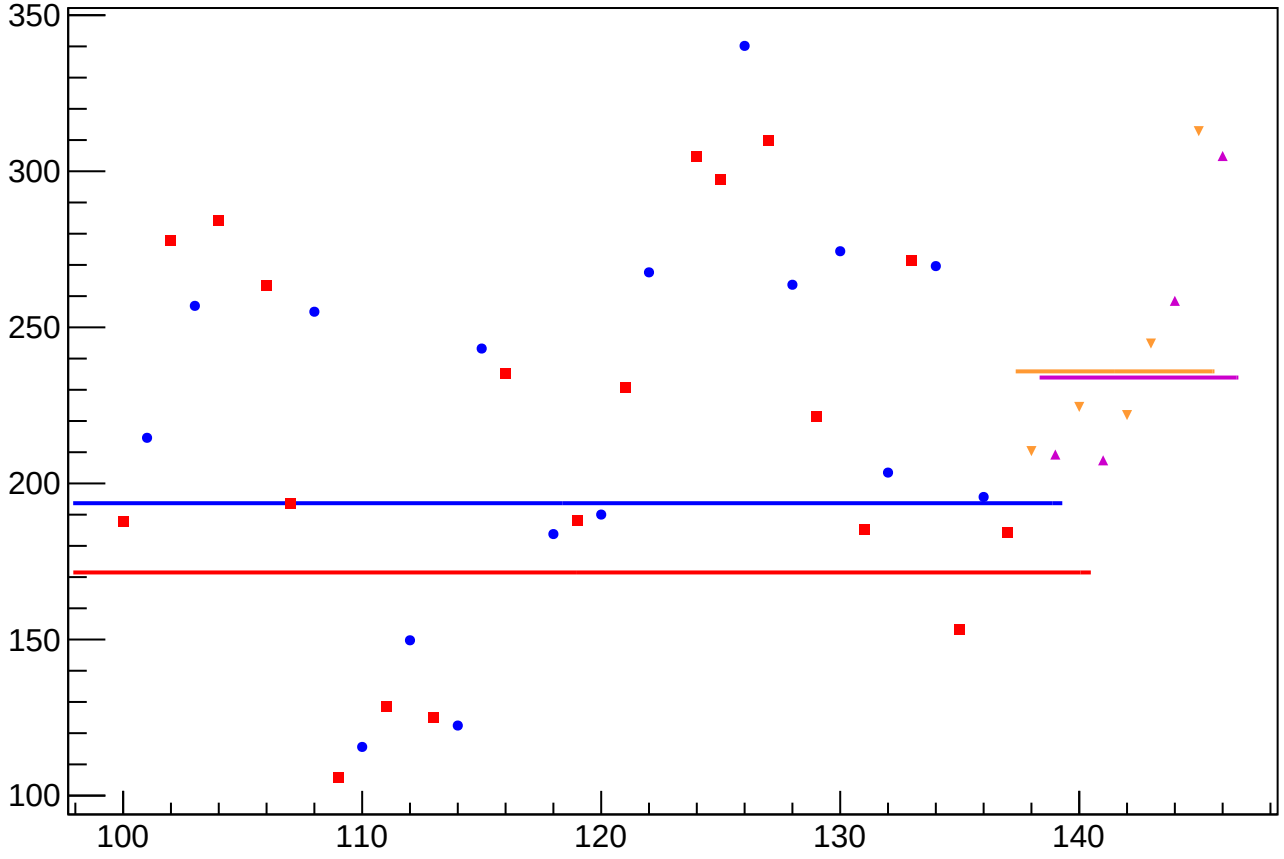
Left In: -243.101+/-126.980 χ^2/NDF:1.2/3

\+ sign 37.540+/-65.052 χ^2/NDF: 19.8/20

All: 48.288+/-44.104 χ^2/NDF: 41.2/43

\- sign 57.431+/-60.000 χ^2/NDF: 21.4/22

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 235.895+/-0.088 χ^2/NDF:129918.4/4

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

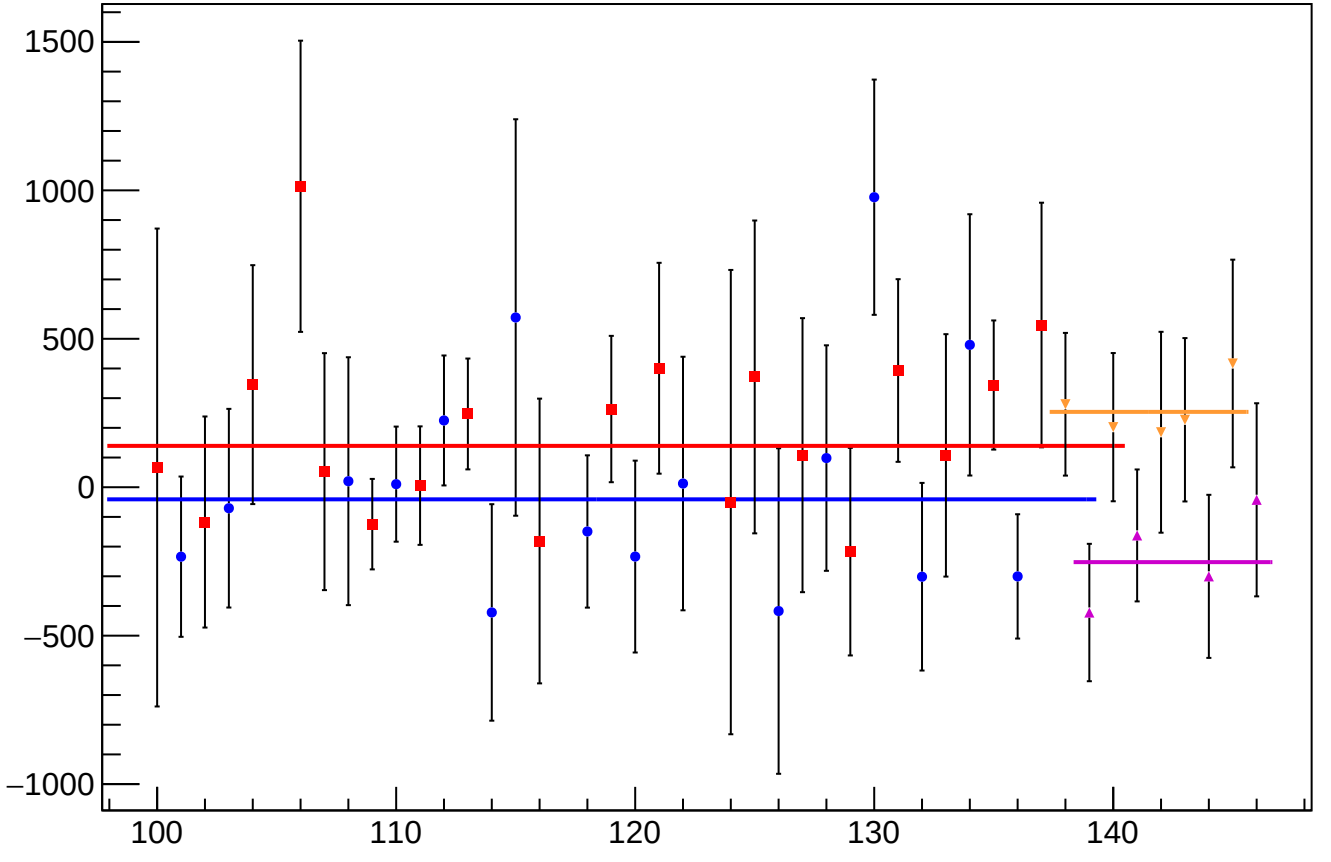
Left In: 233.924+/-0.090 χ^2/NDF:163515.7/3

+ sign 205.086+/-0.046 χ^2/NDF: 1345916.8/20

All: 194.463+/-0.031 χ^2/NDF: 3636768.3/43

- sign 185.425+/-0.042 χ^2/NDF: 2192133.0/22

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 253.806+/-125.514 χ^2/NDF:0.3/4

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

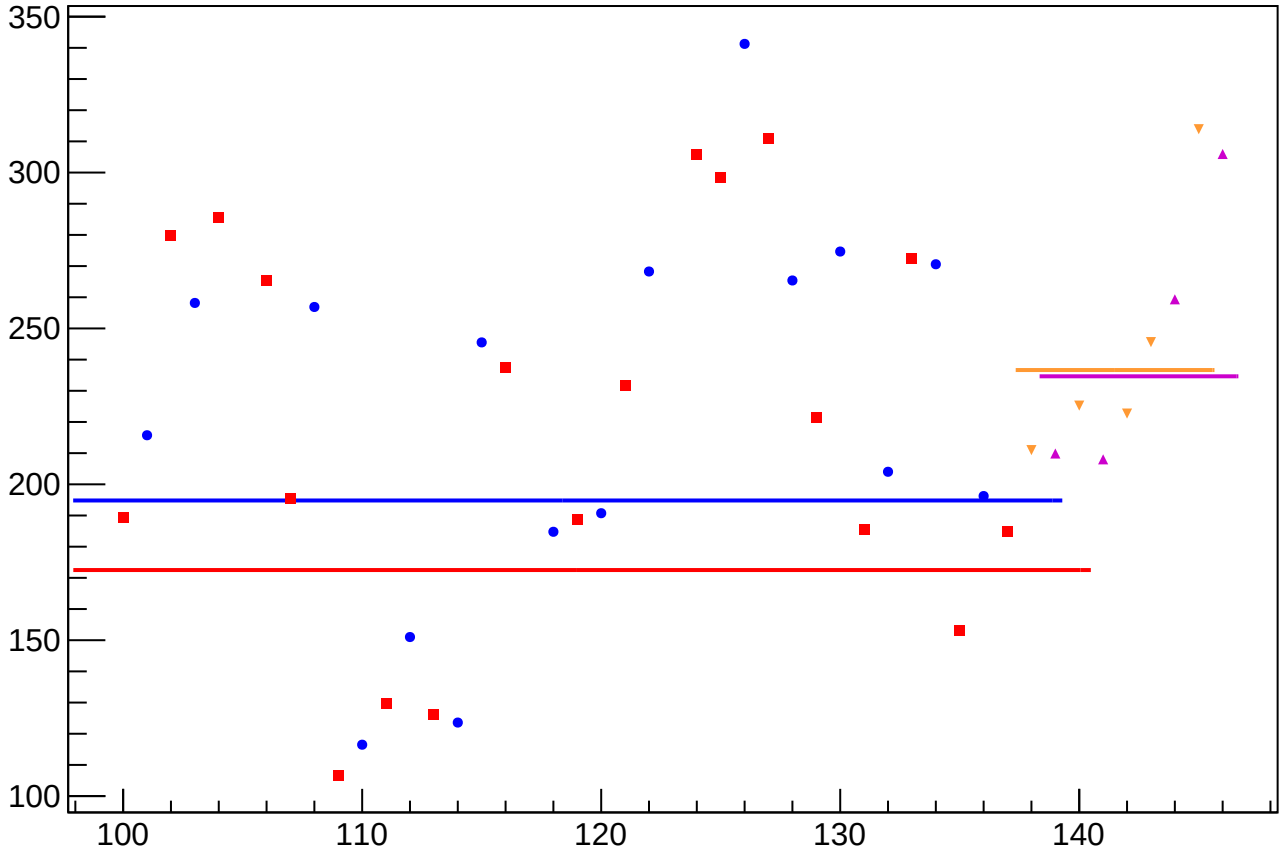
Left In: -252.309+/-127.378 χ^2/NDF:1.1/3

\+ sign 39.120+/-65.372 χ^2/NDF: 19.7/20

All: 45.823+/-44.324 χ^2/NDF: 41.1/43

\- sign 51.528+/-60.302 χ^2/NDF: 21.4/22

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 236.658+/-0.089 χ^2/NDF:130092.5/4

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

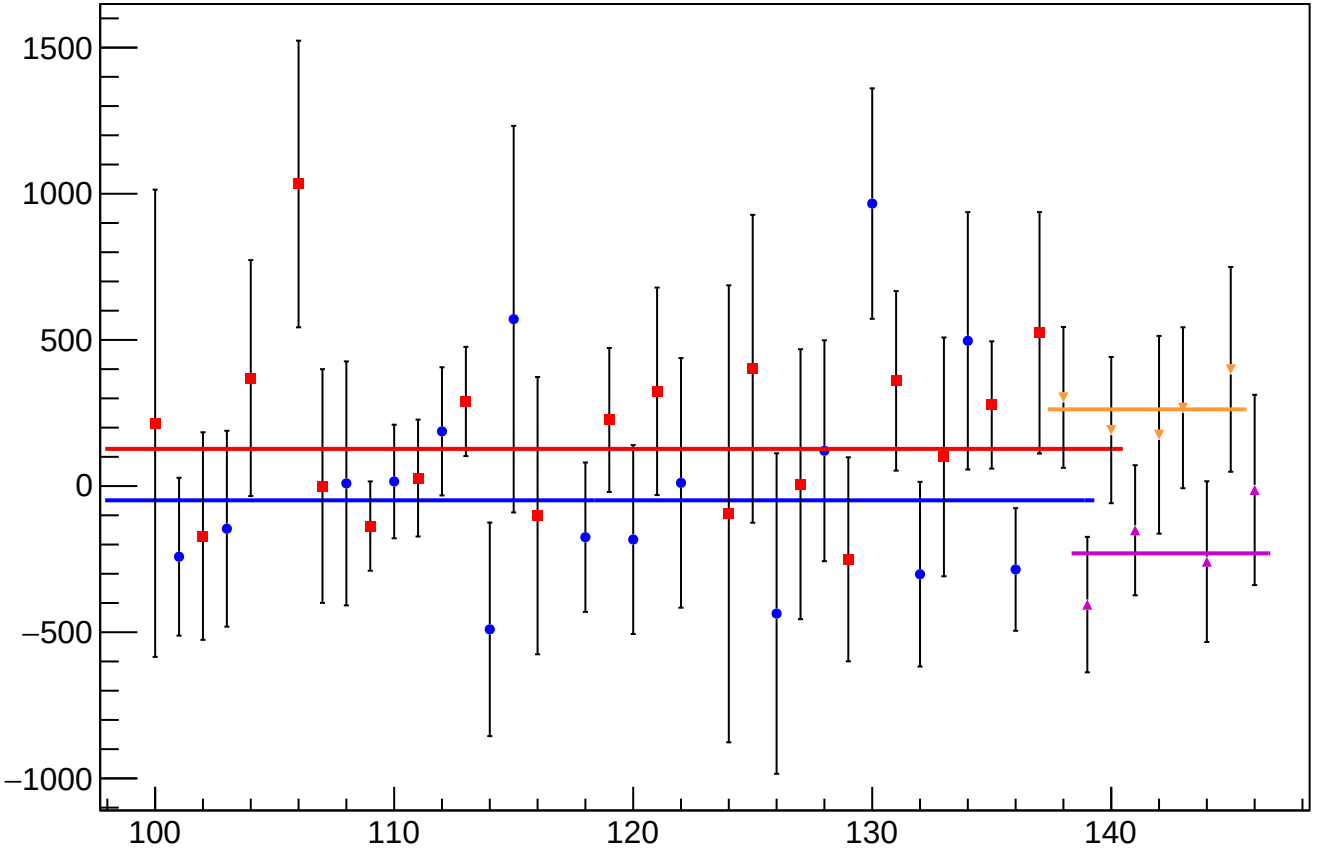
Left In: 234.646+/-0.090 χ^2/NDF:163939.7/3

+ sign 206.169+/-0.046 χ^2/NDF: 1331130.2/20

All: 195.506+/-0.031 χ^2/NDF: 3604908.0/43

- sign 186.433+/-0.043 χ^2/NDF: 2175293.4/22

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 262.404+/-125.670 χ^2/NDF:0.3/4

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

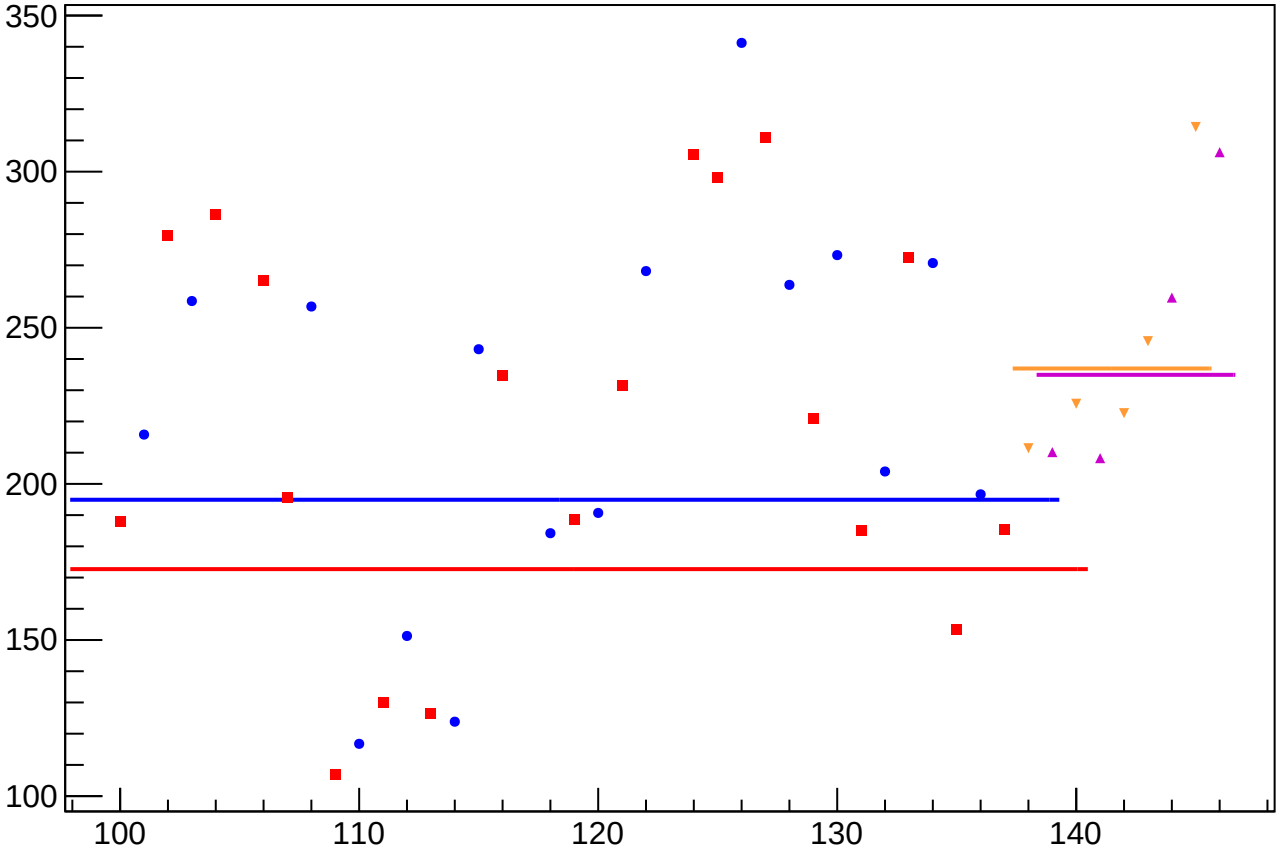
Left In: -230.108+/-127.526 χ^2/NDF:1.2/3

+ sign 35.525+/-65.402 χ^2/NDF: 20.2/20

All: 41.841+/-44.352 χ^2/NDF: 40.3/43

- sign 47.219+/-60.350 χ^2/NDF: 20.1/22

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 236.960+/-0.089 χ^2/NDF:129749.8/4

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

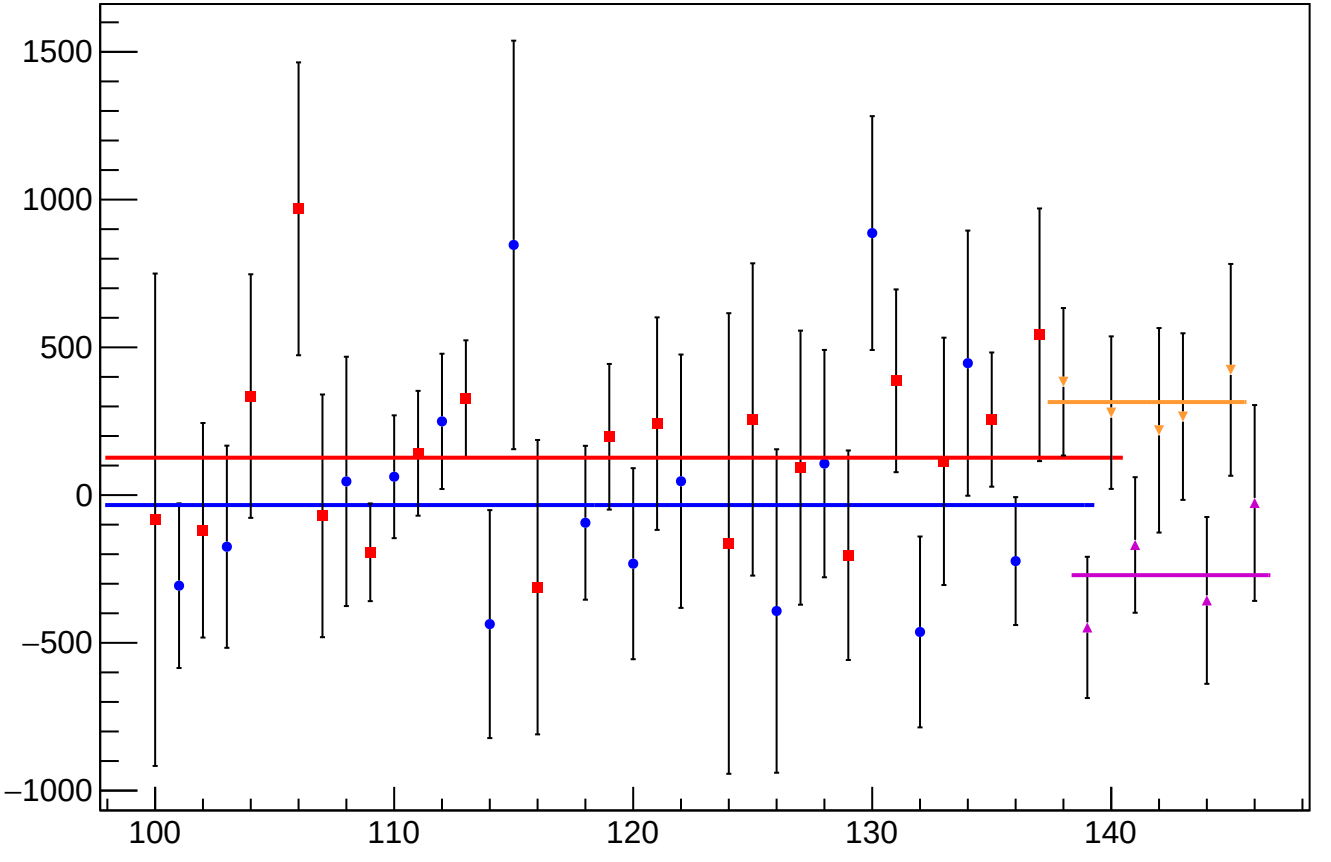
Left In: 234.930+/-0.090 χ^2/NDF:163726.6/3

+ sign 206.308+/-0.046 χ^2/NDF: 1321826.8/20

All: 195.685+/-0.031 χ^2/NDF: 3584148.3/43

- sign 186.639+/-0.043 χ^2/NDF: 2164623.1/22

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 314.803+/-129.337 χ^2/NDF:0.3/4

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

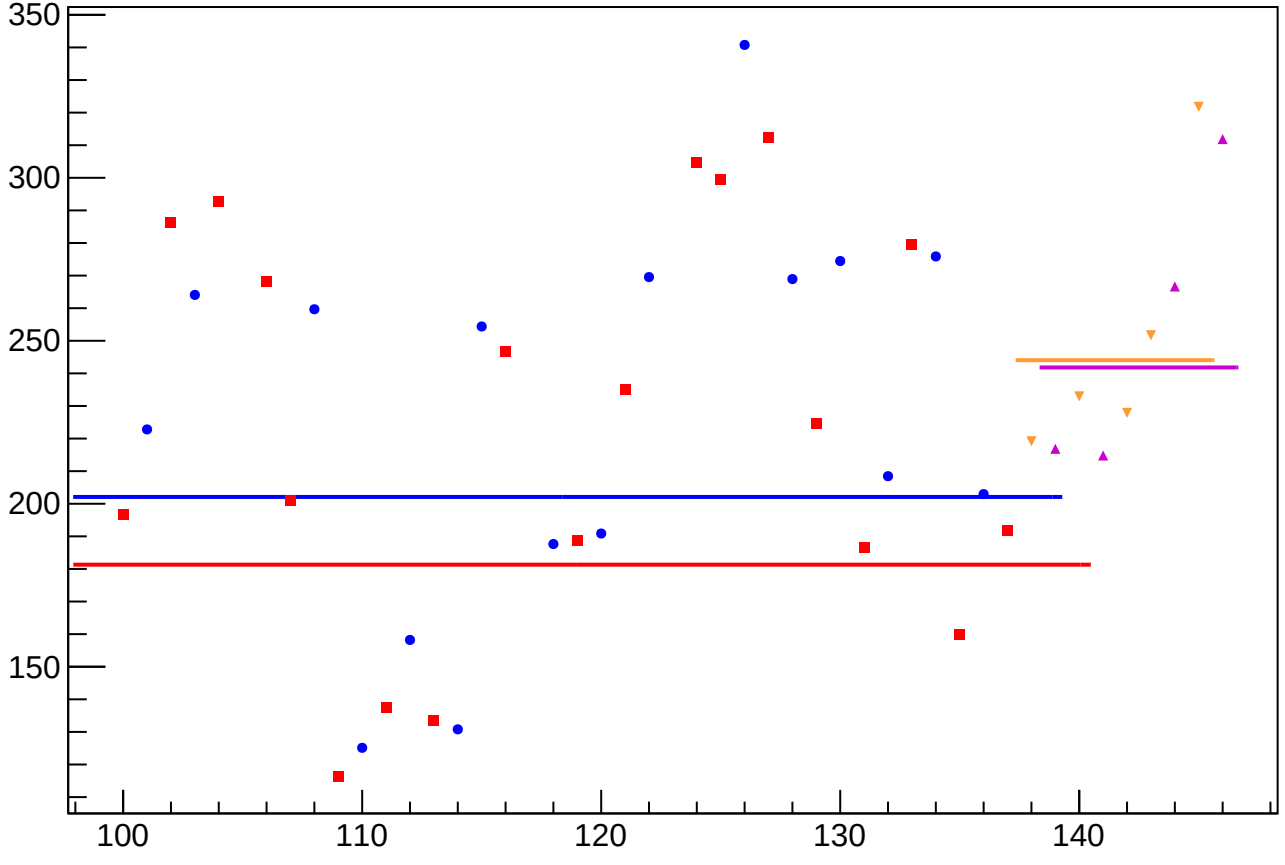
Left In: -270.978+/-131.126 χ^2/NDF:1.4/3

+ sign 60.962+/-67.416 χ^2/NDF: 21.3/20

All: 47.474+/-45.891 χ^2/NDF: 42.6/43

- sign 35.828+/-62.645 χ^2/NDF: 21.2/22

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 244.048+/-0.091 χ^2/NDF:123447.7/4

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

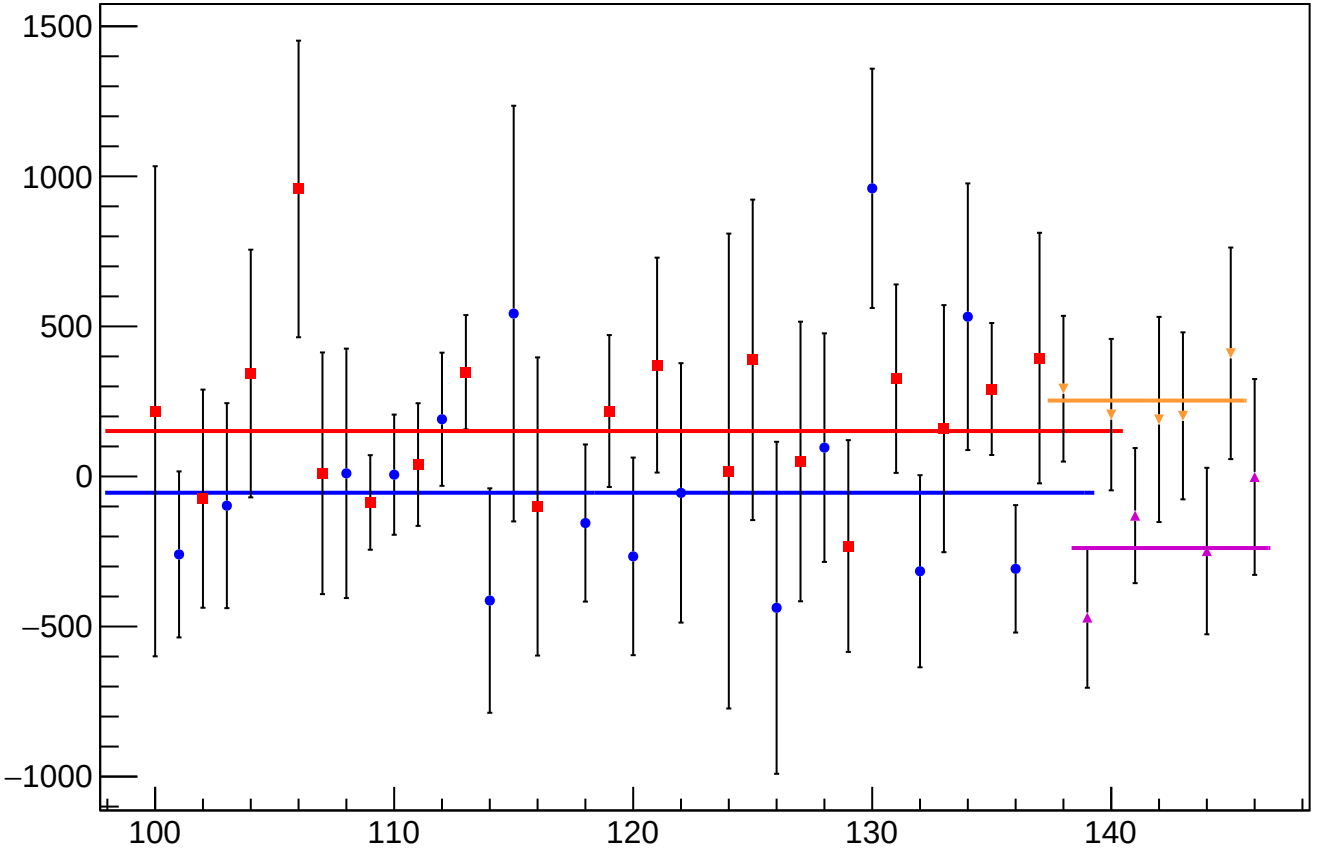
Left In: 241.817+/-0.093 χ^2/NDF:154419.1/3

+ sign 213.490+/-0.048 χ^2/NDF: 1186998.4/20

All: 203.633+/-0.032 χ^2/NDF: 3190711.0/43

- sign 195.122+/-0.044 χ^2/NDF: 1924042.9/22

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 252.956+/-126.799 χ^2/NDF:0.3/4

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

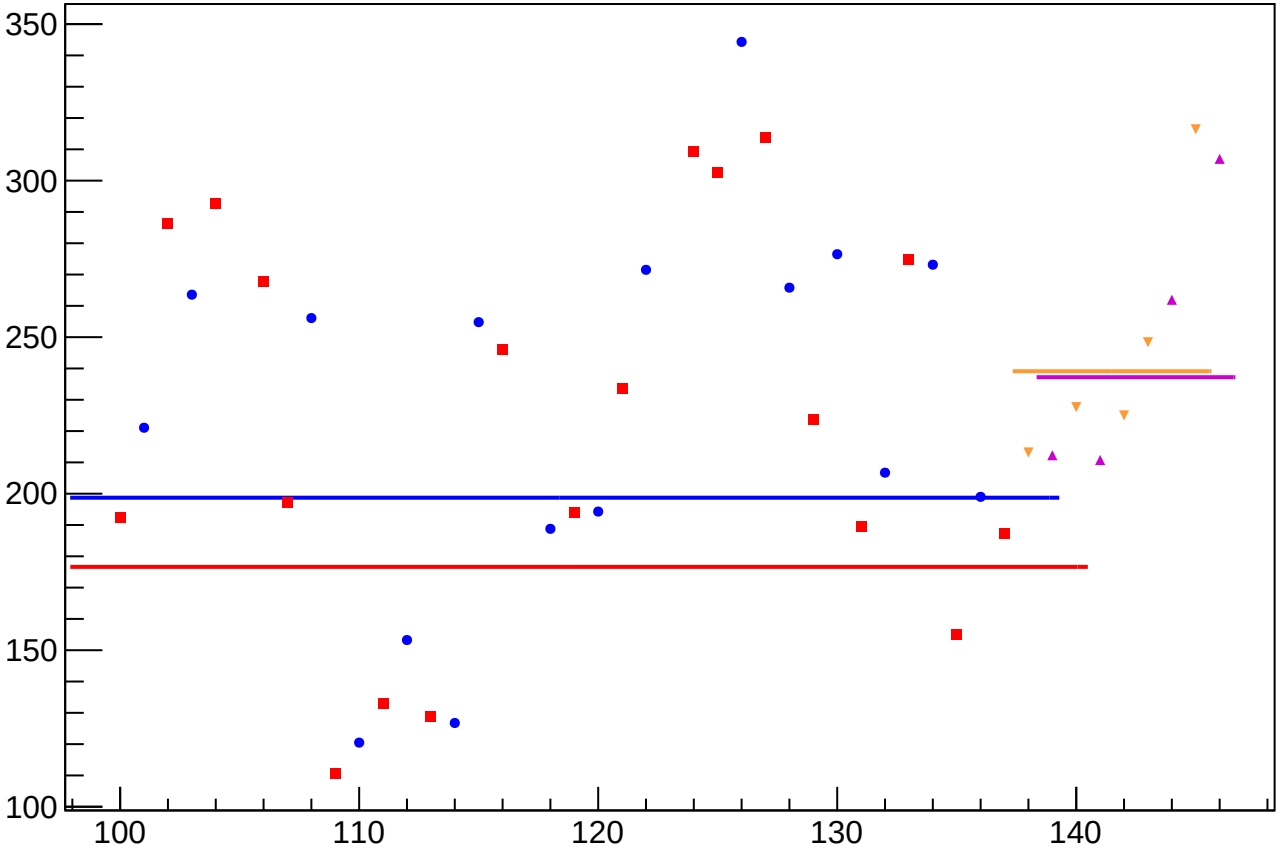
Left In: -238.491+/-128.691 χ^2/NDF:1.7/3

+ sign 29.997+/-66.403 χ^2/NDF: 19.7/20

All: 47.535+/-45.091 χ^2/NDF: 38.9/43

- sign 62.541+/-61.425 χ^2/NDF: 19.1/22

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 239.122+/-0.090 χ^2/NDF:128737.4/4

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

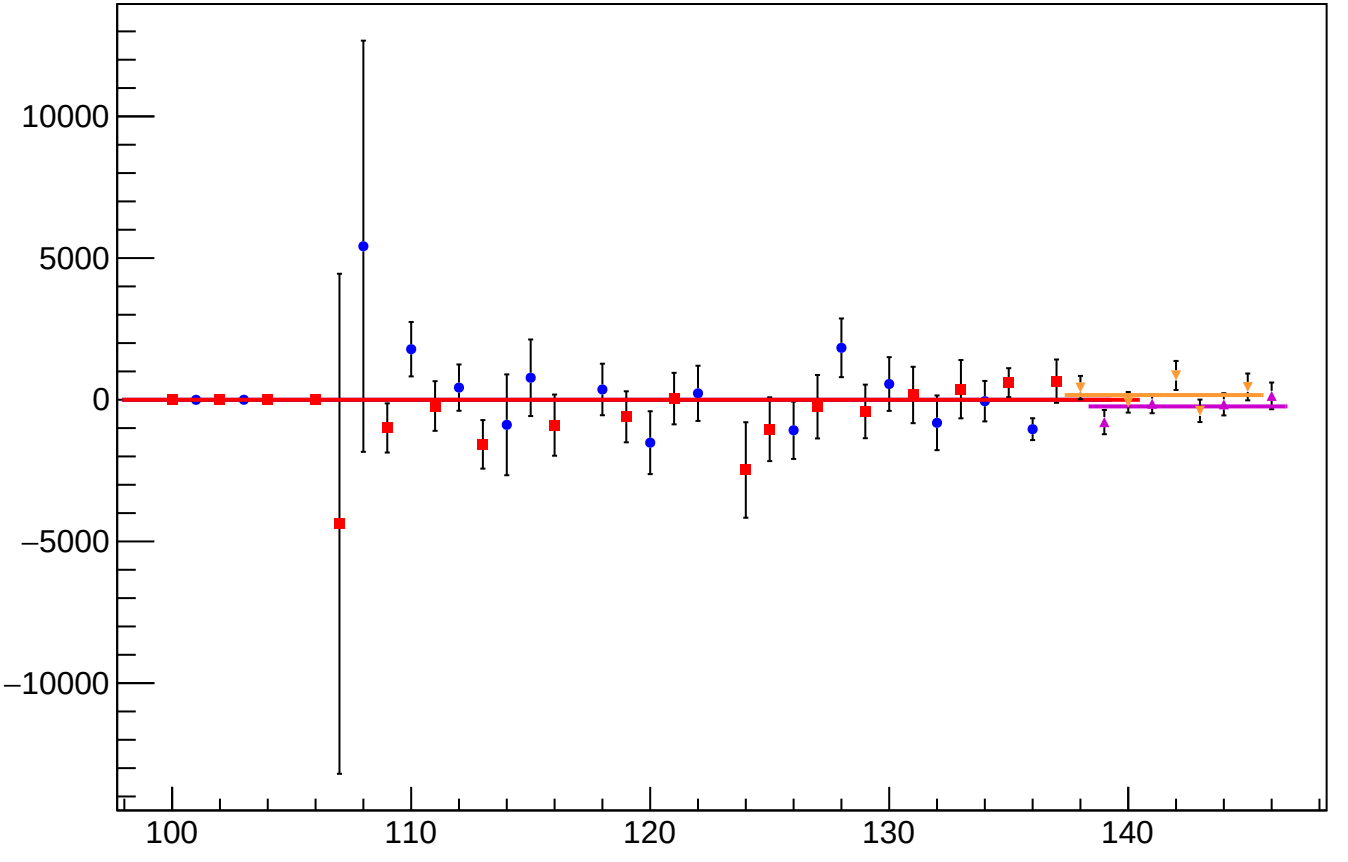
Left In: 237.213+/-0.091 χ^2/NDF:157612.0/3

+ sign 209.799+/-0.047 χ^2/NDF: 1270182.9/20

All: 199.359+/-0.032 χ^2/NDF: 3457603.3/43

- sign 190.426+/-0.043 χ^2/NDF: 2095680.4/22

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 165.745+/-188.635 χ^2/NDF:5.1/4

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

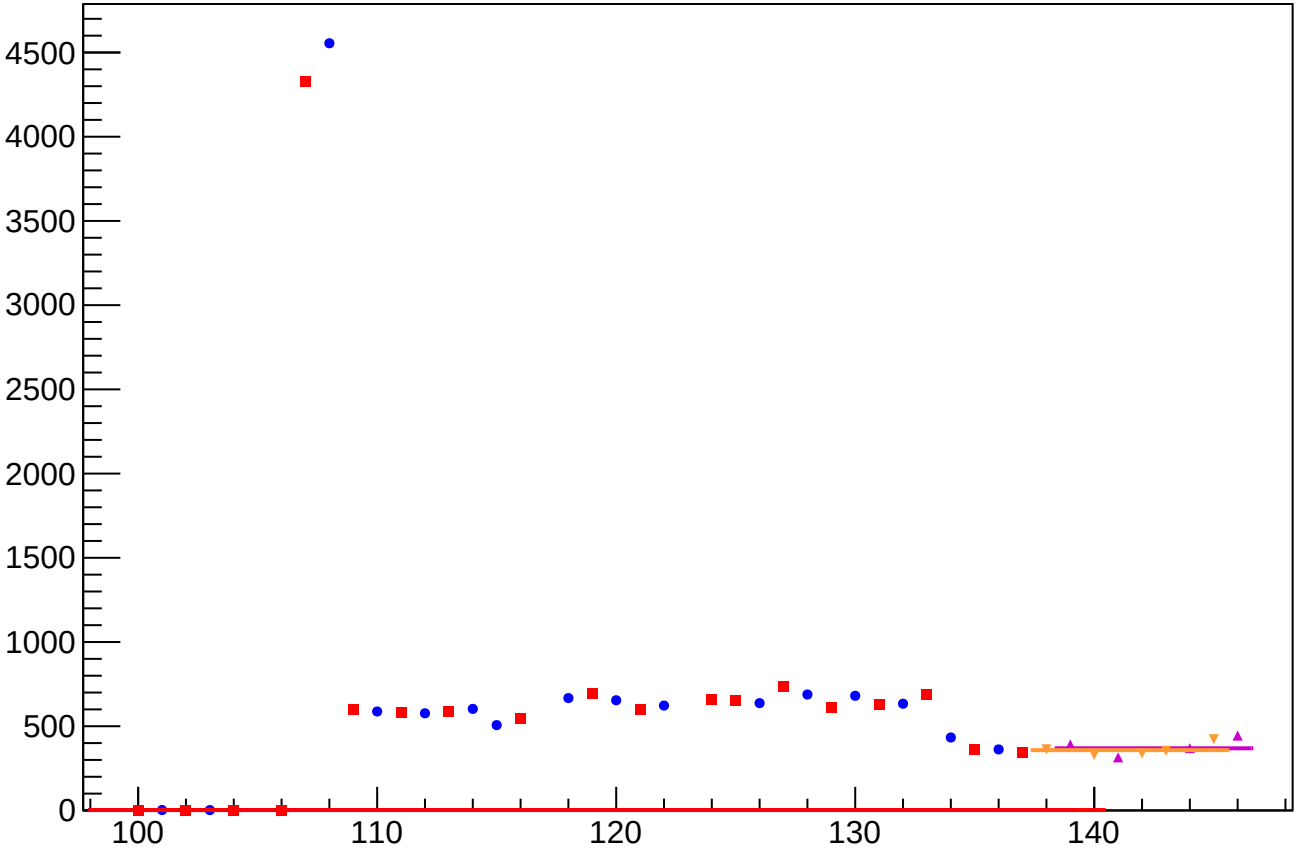
Left In: -235.029+/-198.710 χ^2/NDF:2.4/3

+ sign -1.217+/-2.171 χ^2/NDF: 25.8/20

All: -1.316+/-1.480 χ^2/NDF: 46.4/43

- sign -1.402+/-2.022 χ^2/NDF: 20.6/22

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 358.108+/-0.133 χ^2/NDF:53047.4/4

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

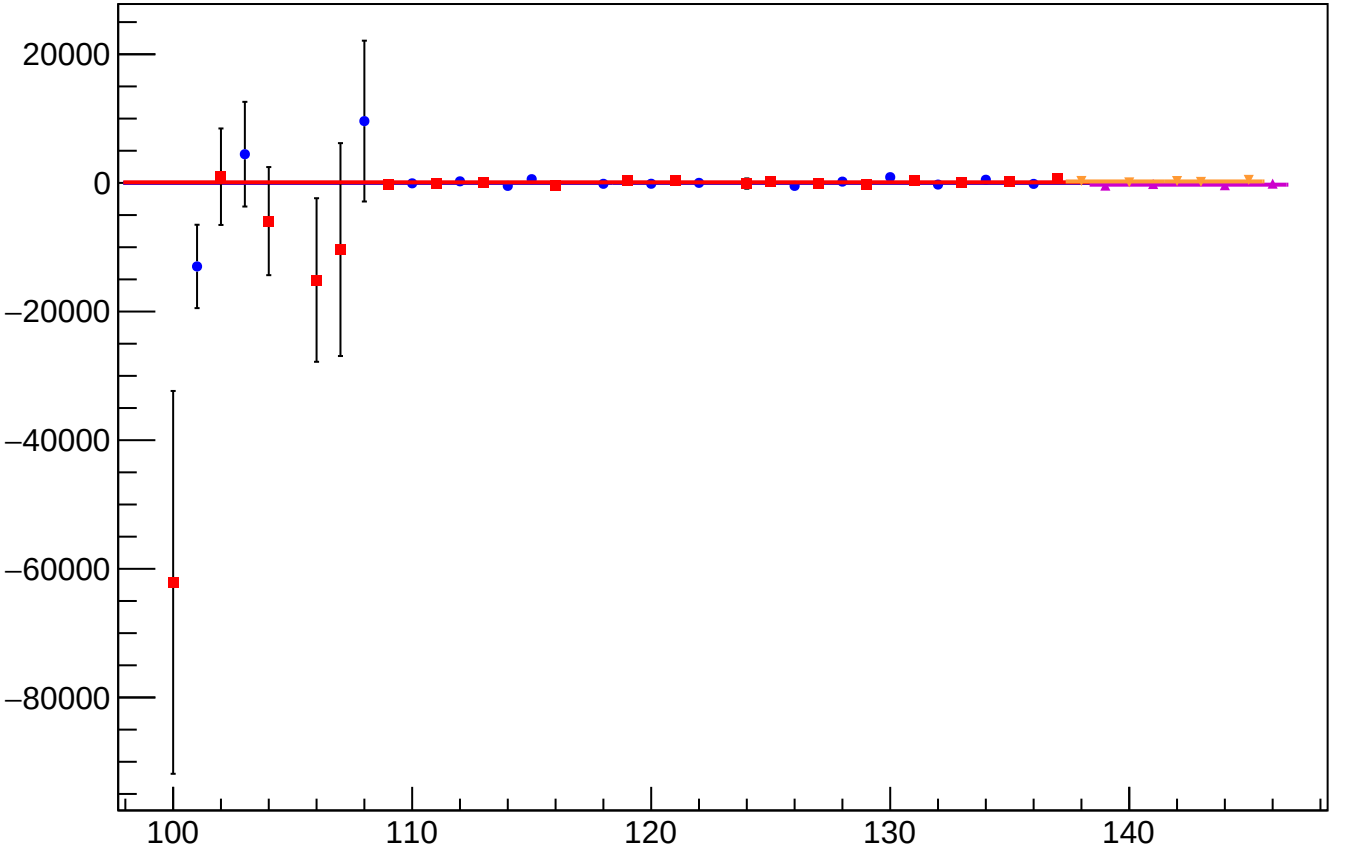
Left In: 369.018+/-0.141 χ^2/NDF:107771.1/3

+ sign 2.524+/-0.002 χ^2/NDF: 18786968.8/20

All: 2.511+/-0.001 χ^2/NDF: 37245272.6/43

- sign 2.500+/-0.001 χ^2/NDF: 18458176.7/22

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 226.910+/-131.475 χ^2/NDF:1.0/4

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

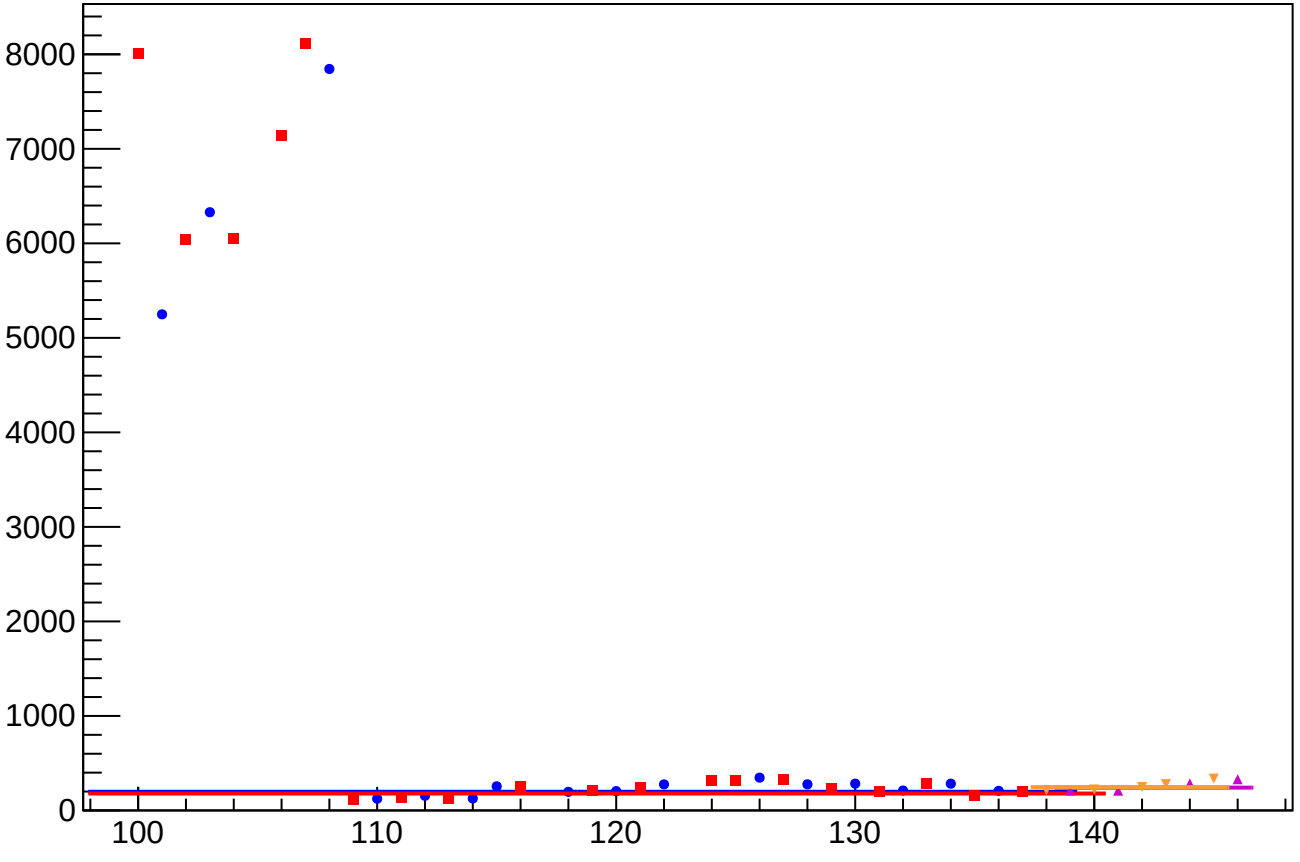
Left In: -275.629+/-132.020 χ^2/NDF:0.9/3

+ sign 70.407+/-73.029 χ^2/NDF: 19.9/20

All: 26.871+/-50.313 χ^2/NDF: 41.8/43

- sign -12.462+/-69.414 χ^2/NDF: 21.3/22

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 246.613+/-0.093 χ^2/NDF:194353.3/4

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

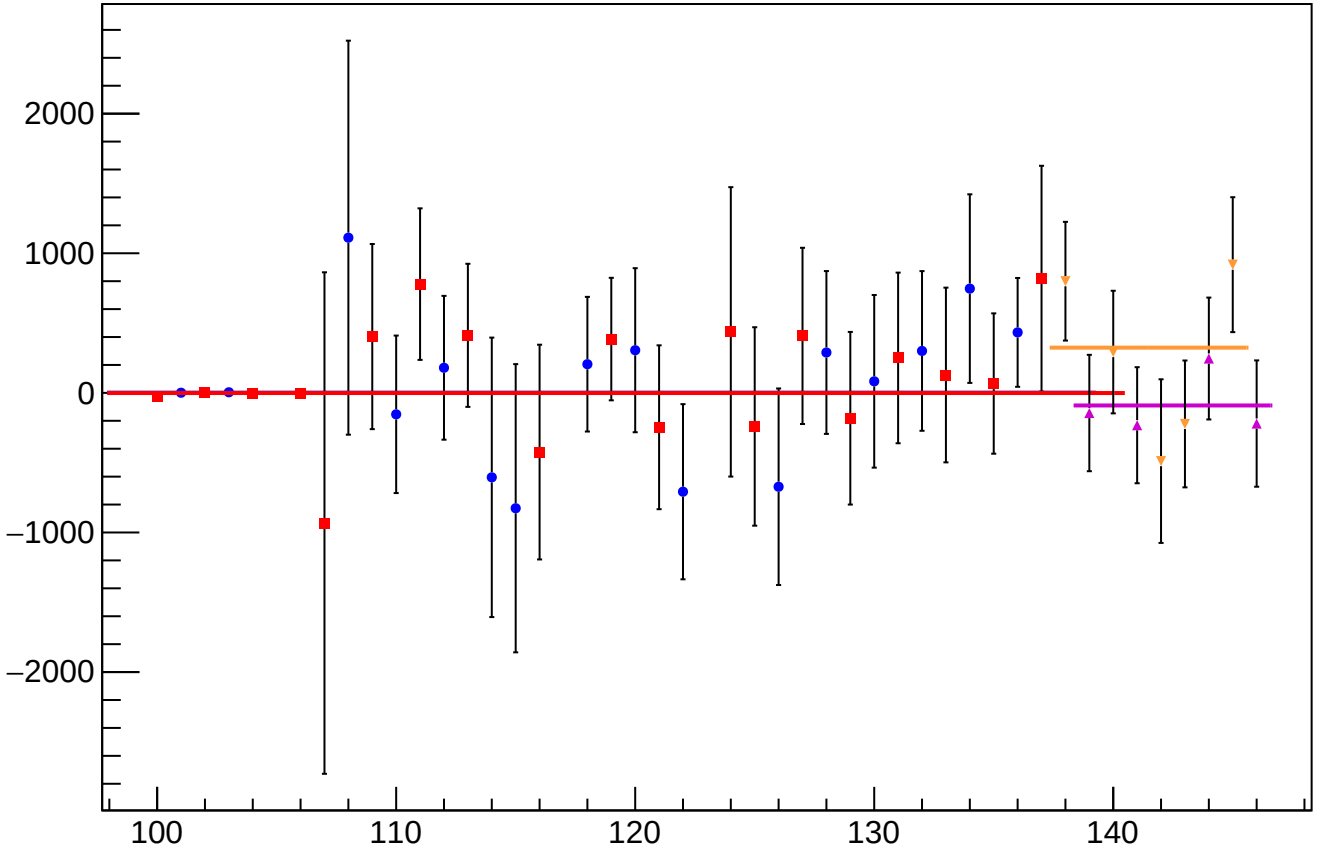
Left In: 241.507+/-0.093 χ^2/NDF:246430.0/3

+ sign 212.736+/-0.052 χ^2/NDF: 4343585.9/20

All: 204.186+/-0.036 χ^2/NDF: 9382431.6/43

- sign 196.461+/-0.049 χ^2/NDF: 4986663.4/22

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 323.998+/-209.604 χ^2/NDF:6.1/4

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

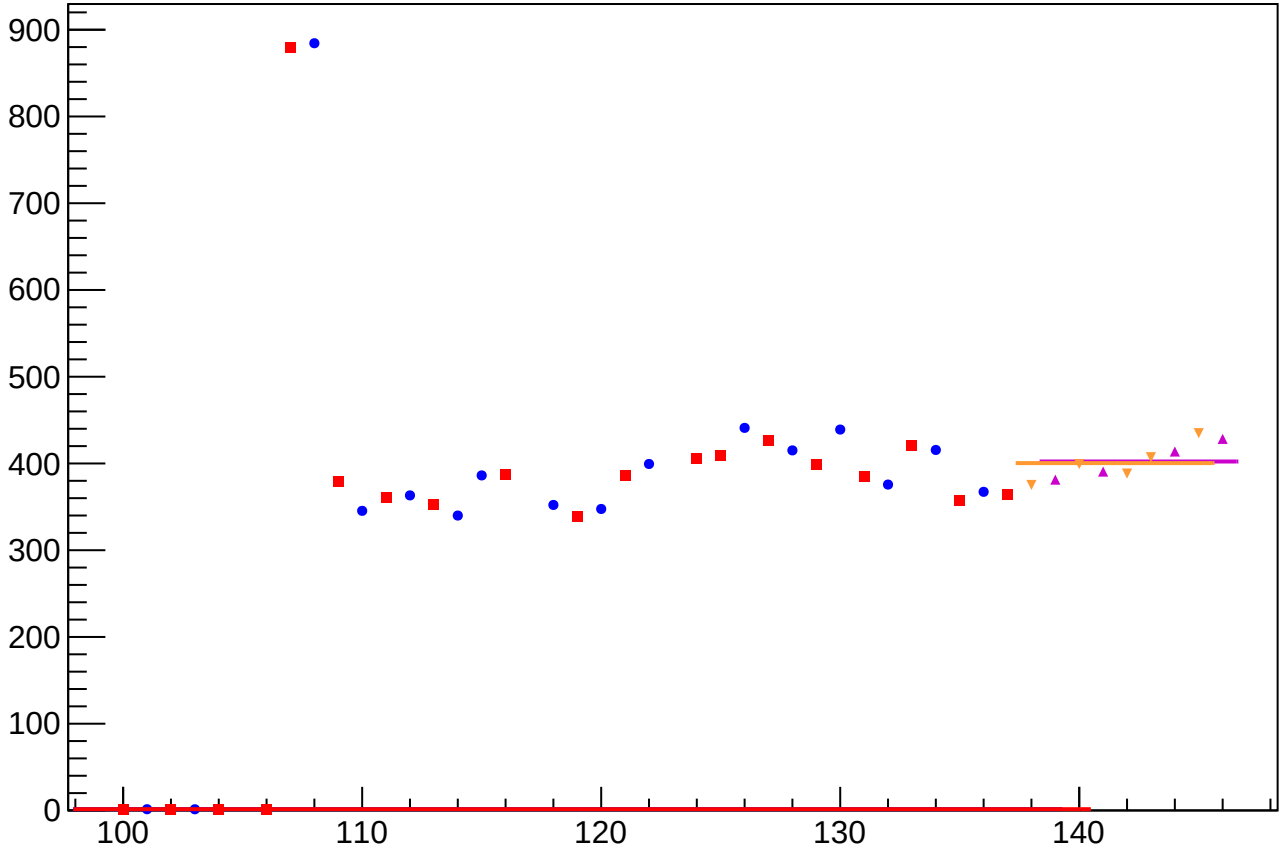
Left In: -90.159+/-214.789 χ^2/NDF:0.8/3

+ sign 1.476+/-1.660 χ^2/NDF: 16.4/20

All: 0.082+/-1.124 χ^2/NDF: 27.8/43

- sign -1.098+/-1.528 χ^2/NDF: 10.1/22

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 400.419+/-0.148 χ^2/NDF:18527.2/4

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

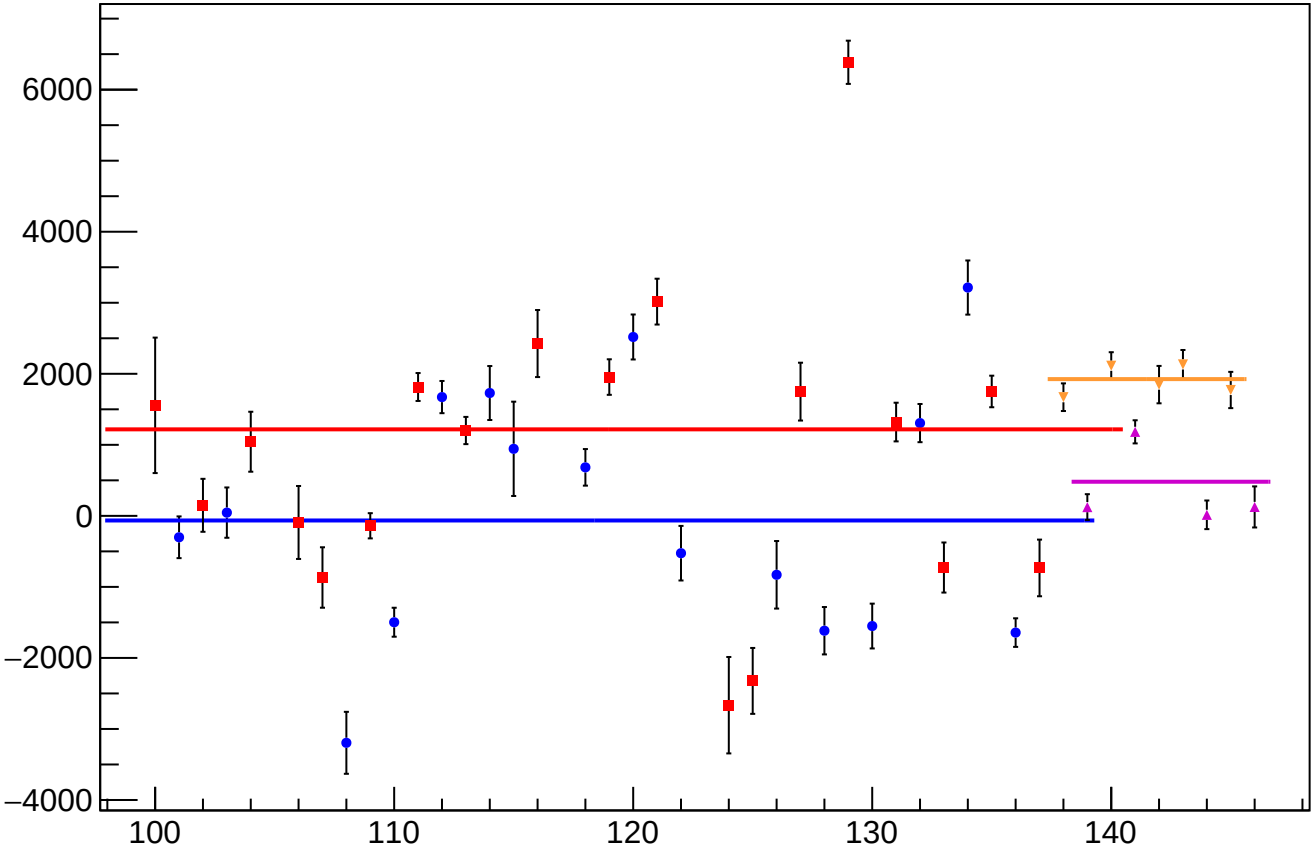
Left In: 402.272+/-0.152 χ^2/NDF:14629.8/3

+ sign 1.495+/-0.001 χ^2/NDF: 18998844.1/20

All: 1.491+/-0.001 χ^2/NDF: 37247789.0/43

- sign 1.487+/-0.001 χ^2/NDF: 18248921.1/22

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1925.191+/-96.231 χ^2/NDF:4.2/4

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

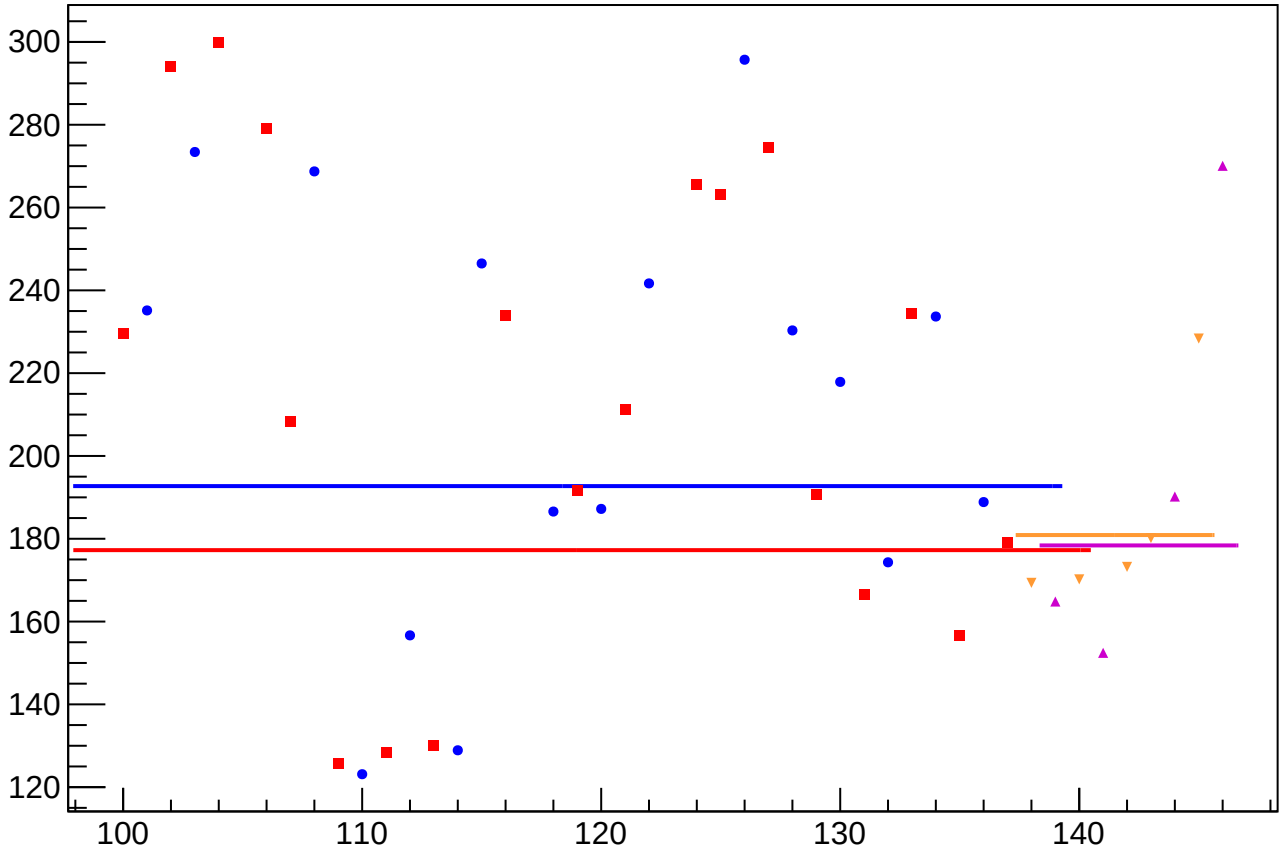
Left In: 480.358+/-97.816 χ^2/NDF:29.3/3

+ sign 685.762+/-59.104 χ^2/NDF: 740.0/20

All: 835.956+/-40.802 χ^2/NDF: 1414.2/43

- sign 972.700+/-56.396 χ^2/NDF: 661.9/22

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 180.897+/-0.068 χ^2/NDF:84243.6/4

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

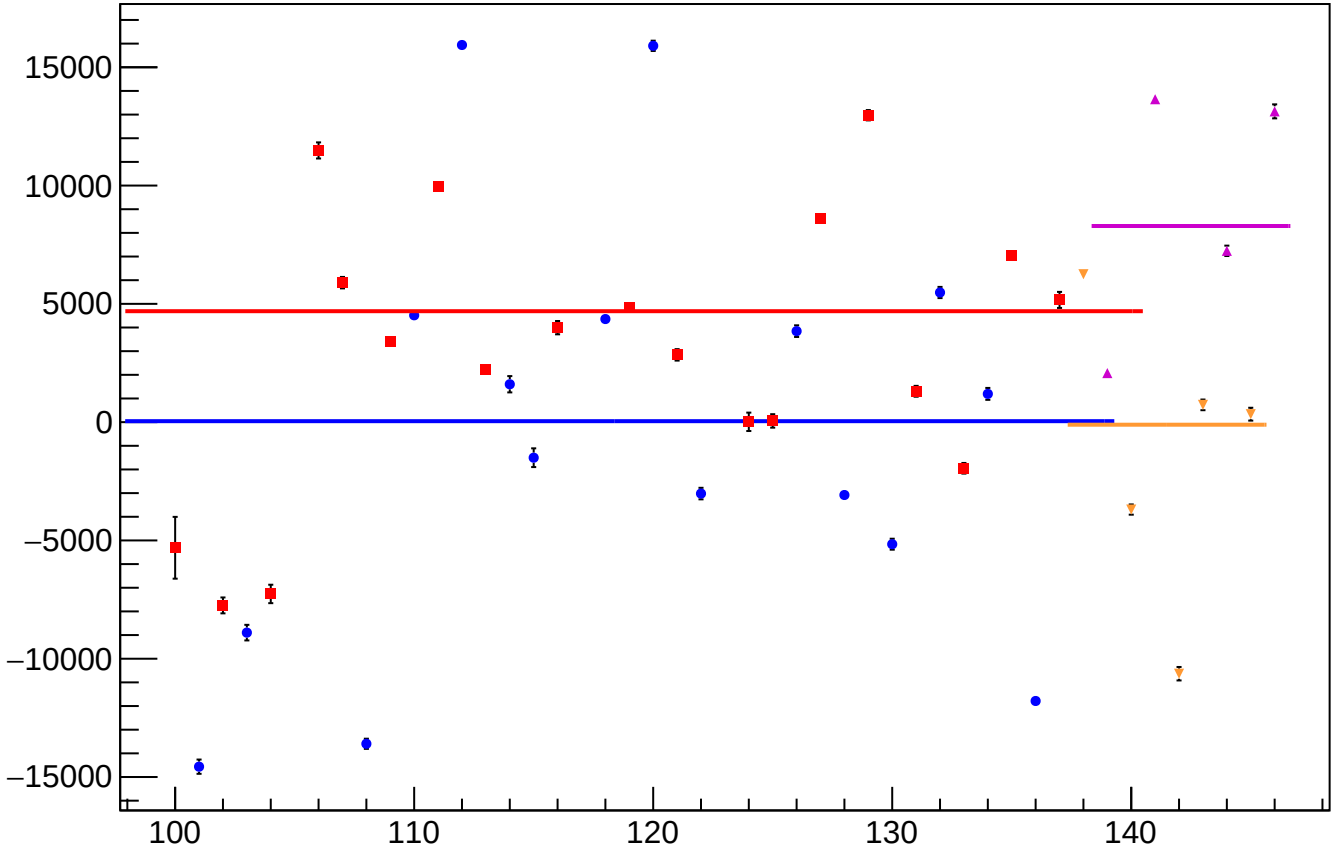
Left In: 178.390+/-0.069 χ^2/NDF:269831.9/3

+ sign 188.259+/-0.042 χ^2/NDF: 862189.2/20

All: 182.695+/-0.029 χ^2/NDF: 2392243.4/43

- sign 177.630+/-0.040 χ^2/NDF: 1496193.0/22

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -108.420+/-102.163 χ^2/NDF:2827.6/4

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

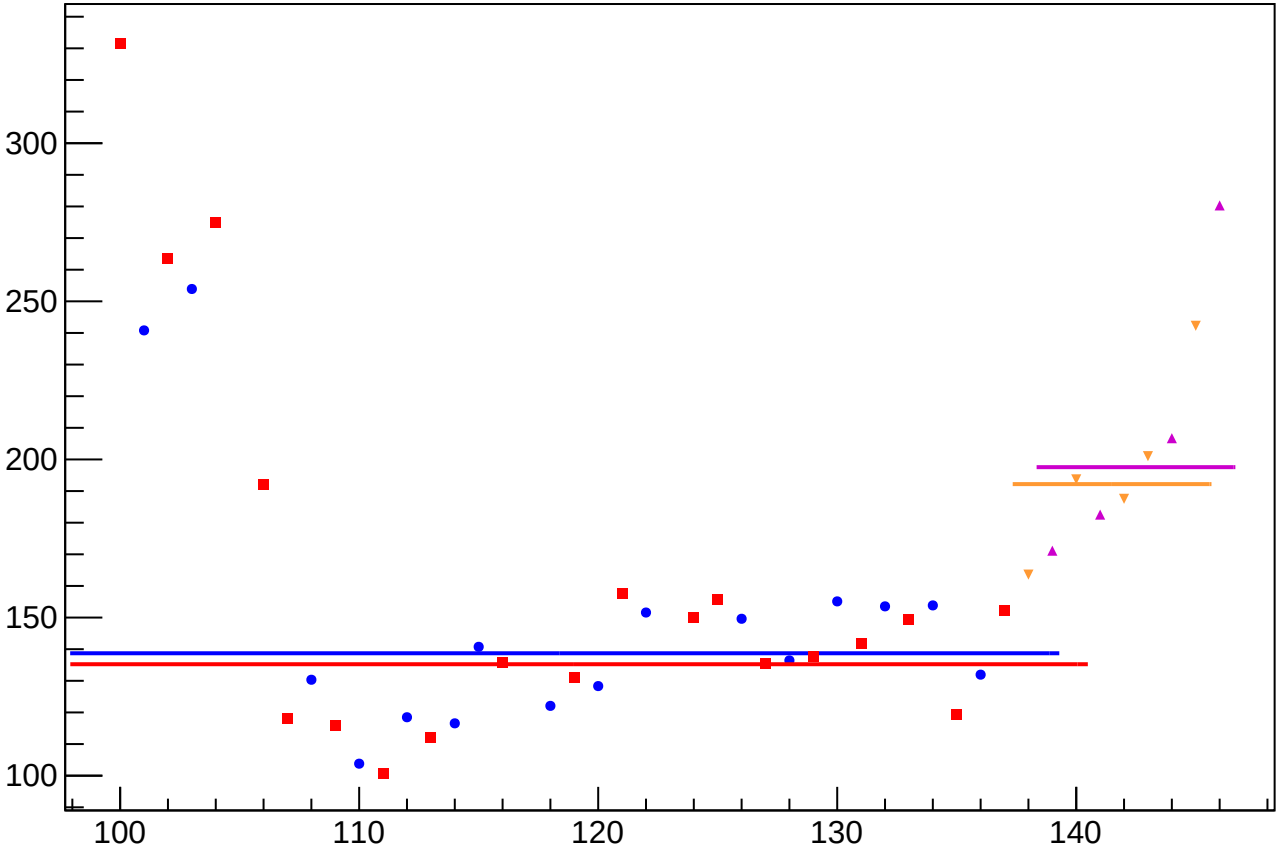
Left In: 8290.564+/-107.557 χ^2/NDF:2126.6/3

+ sign 8.116+/-47.878 χ^2/NDF: 33615.6/20

All: 2747.259+/-33.498 χ^2/NDF: 50857.3/43

- sign 5373.931+/-46.885 χ^2/NDF: 10830.1/22

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 192.202+/-0.072 χ^2/NDF:119068.6/4

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

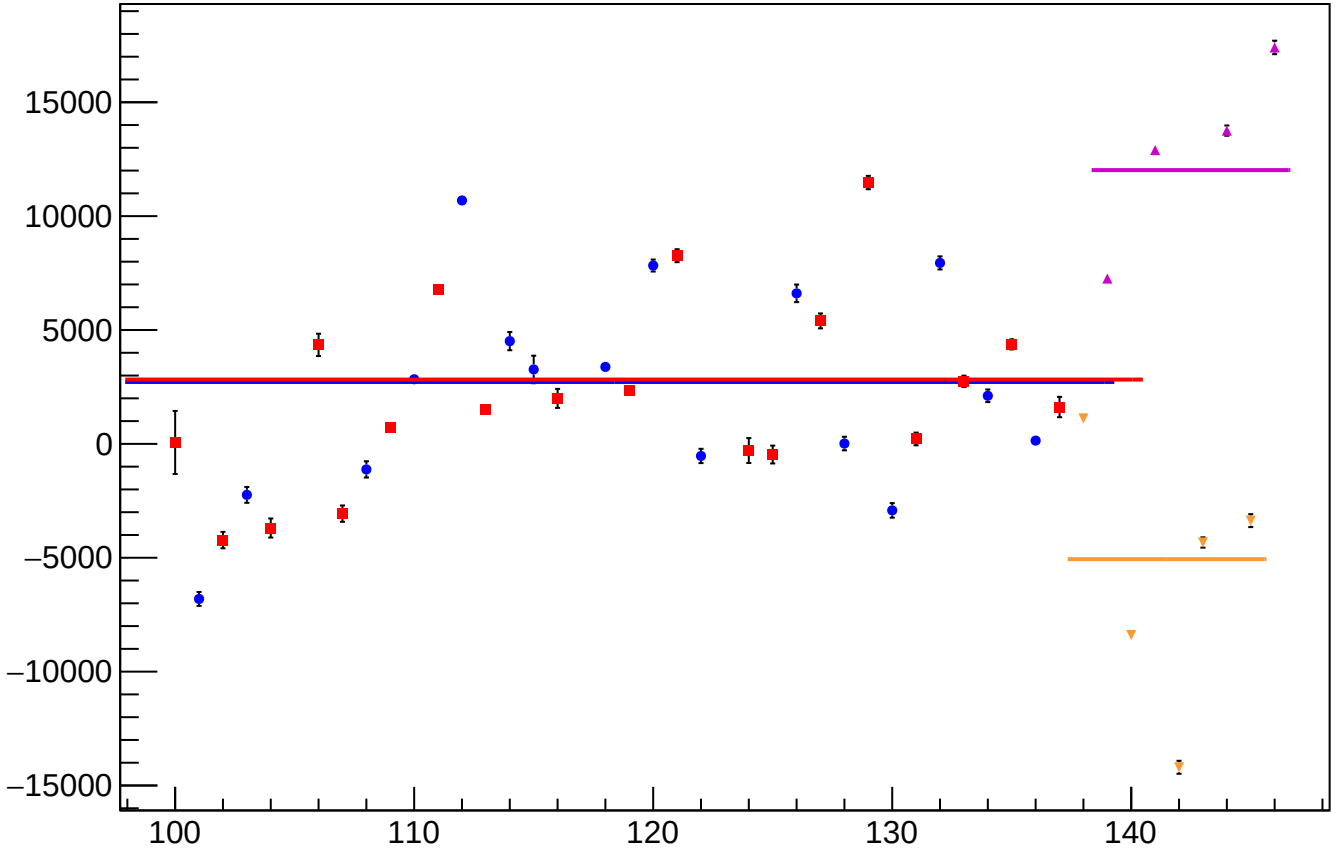
Left In: 197.562+/-0.076 χ^2/NDF:210445.2/3

+ sign 150.460+/-0.034 χ^2/NDF: 1204705.6/20

All: 148.738+/-0.024 χ^2/NDF: 2854040.6/43

- sign 147.086+/-0.033 χ^2/NDF: 1644266.0/22

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5061.976+/-106.143 χ^2/NDF:2206.3/4

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

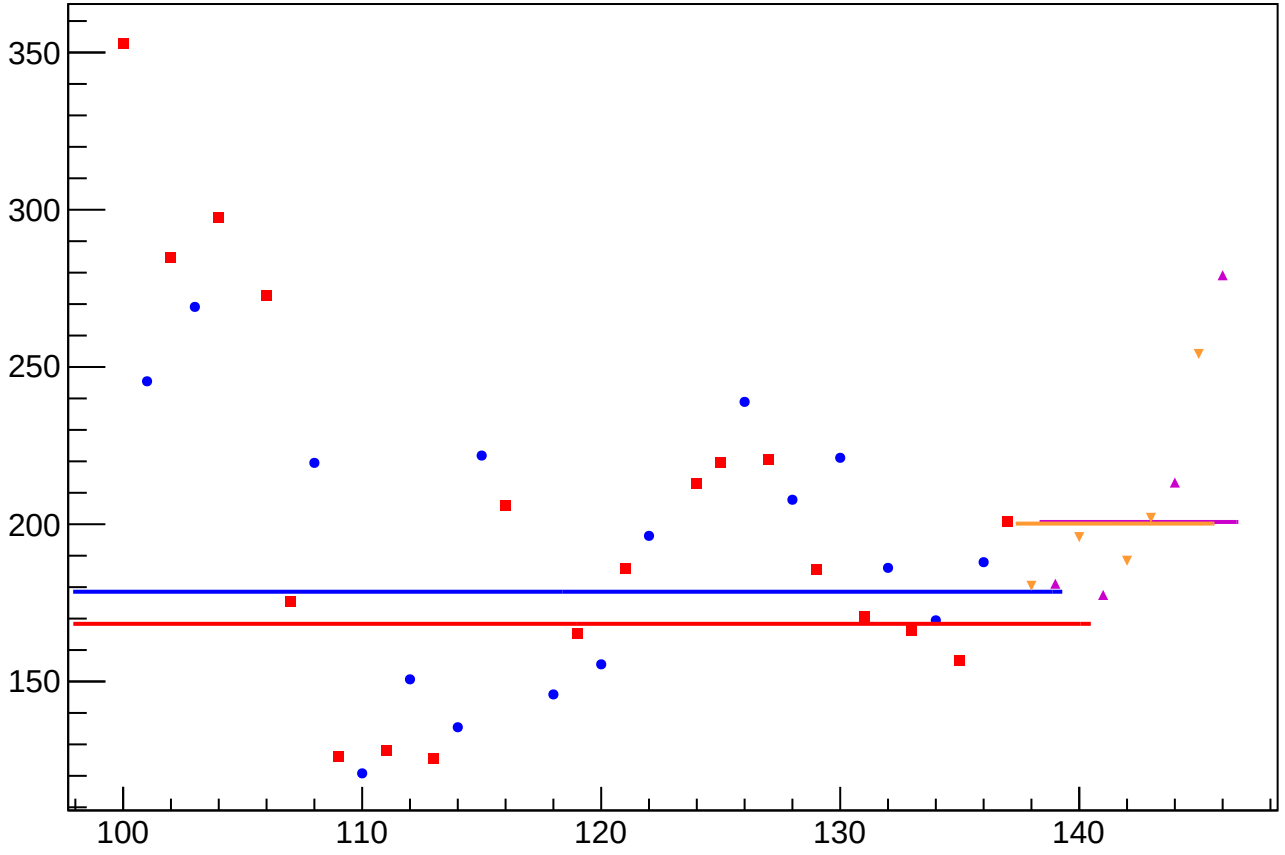
Left In: 12020.892+/-109.141 χ^2/NDF:981.0/3

\+ sign 396.639+/-57.996 χ^2/NDF: 10105.9/20

All: 2905.329+/-40.192 χ^2/NDF: 22998.0/43

\- sign 5223.540+/-55.751 χ^2/NDF: 9292.1/22

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.204+/-0.075 χ^2/NDF:94946.8/4

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

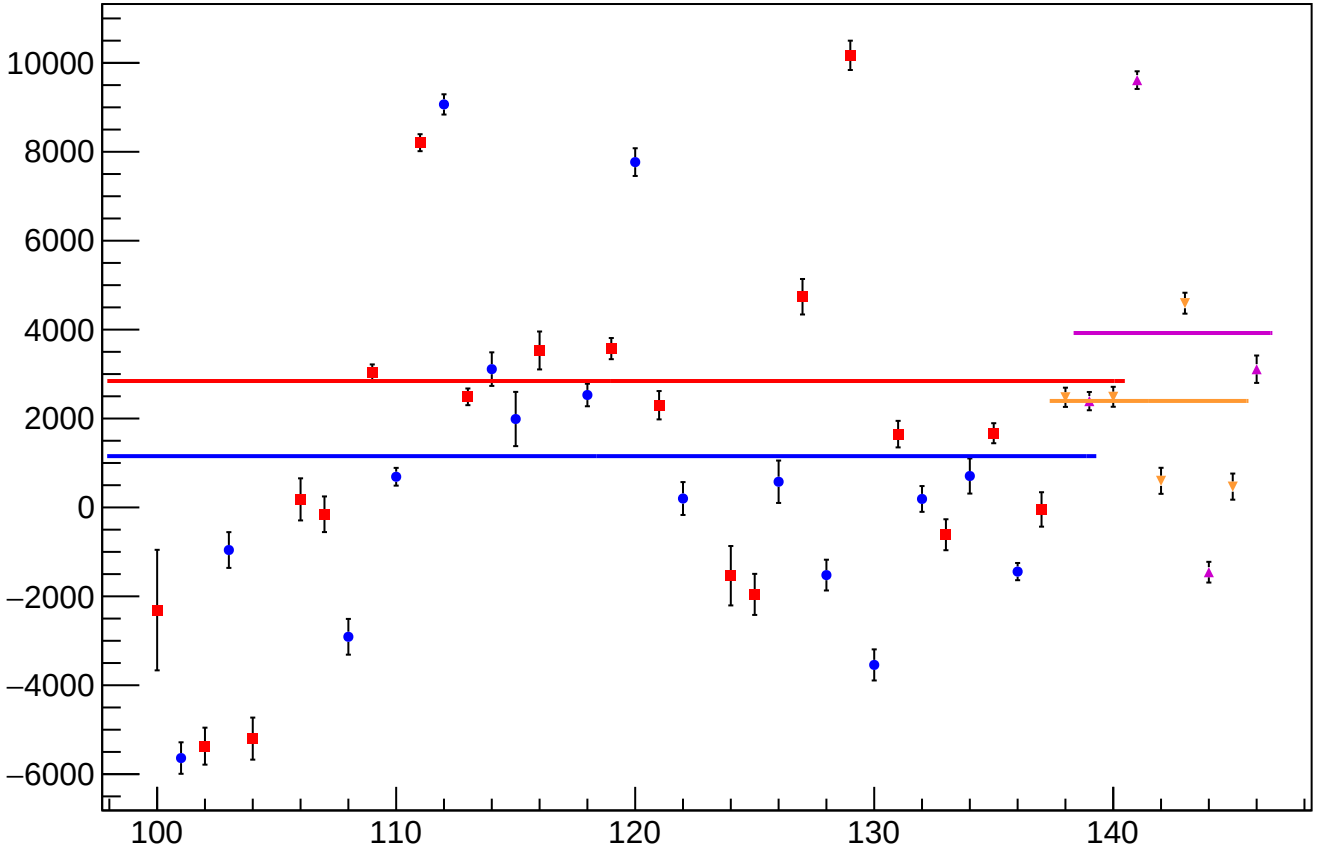
Left In: 200.724+/-0.077 χ^2/NDF:195687.4/3

+ sign 185.009+/-0.041 χ^2/NDF: 827950.3/20

All: 180.735+/-0.028 χ^2/NDF: 2154195.6/43

- sign 176.786+/-0.039 χ^2/NDF: 1305351.9/22

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2395.439+/-110.109 χ^2/NDF:168.2/4

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

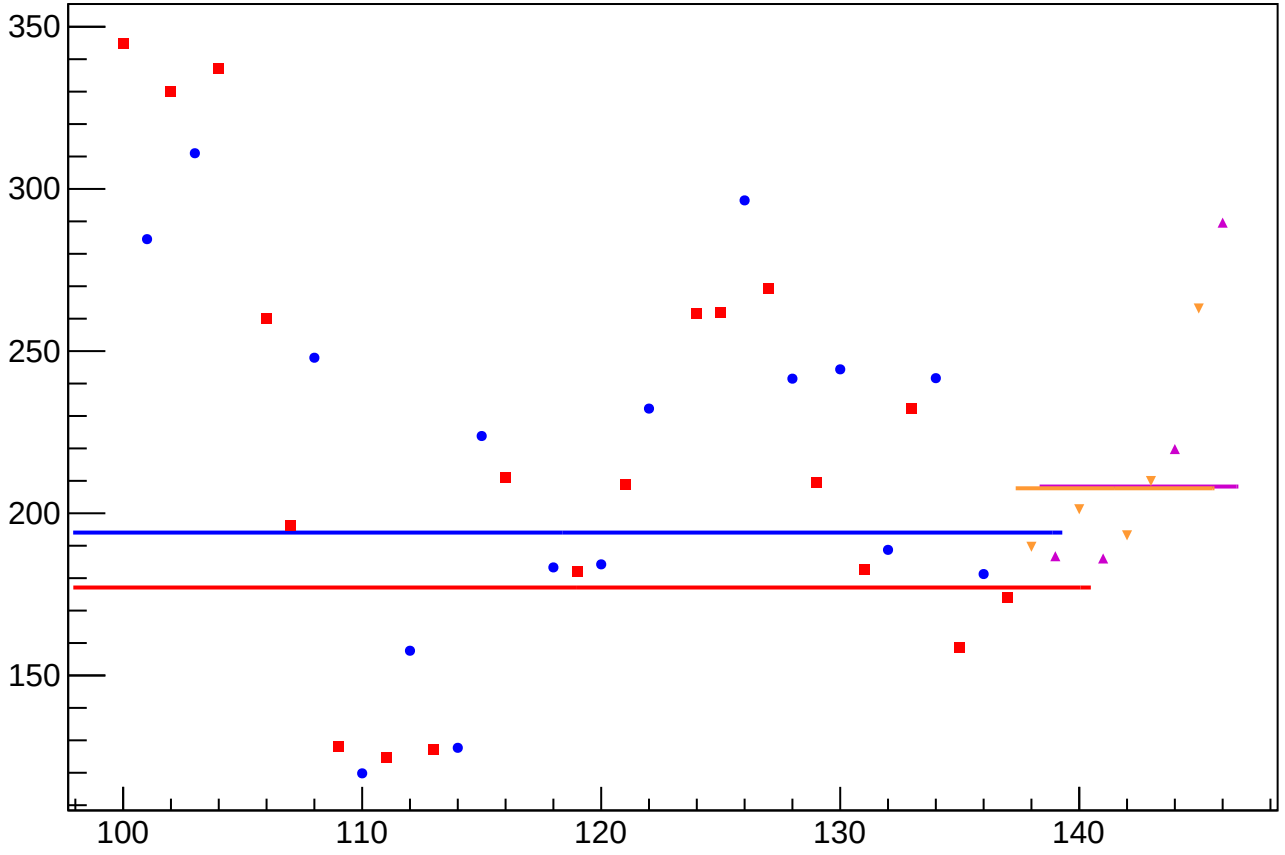
Left In: 3923.686+/-113.245 χ^2/NDF:1415.5/3

+ sign 1554.161+/-62.523 χ^2/NDF: 2909.7/20

All: 2391.342+/-42.915 χ^2/NDF: 7183.5/43

- sign 3137.090+/-59.010 χ^2/NDF: 3934.8/22

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 207.705+/-0.078 χ^2/NDF:91838.9/4

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

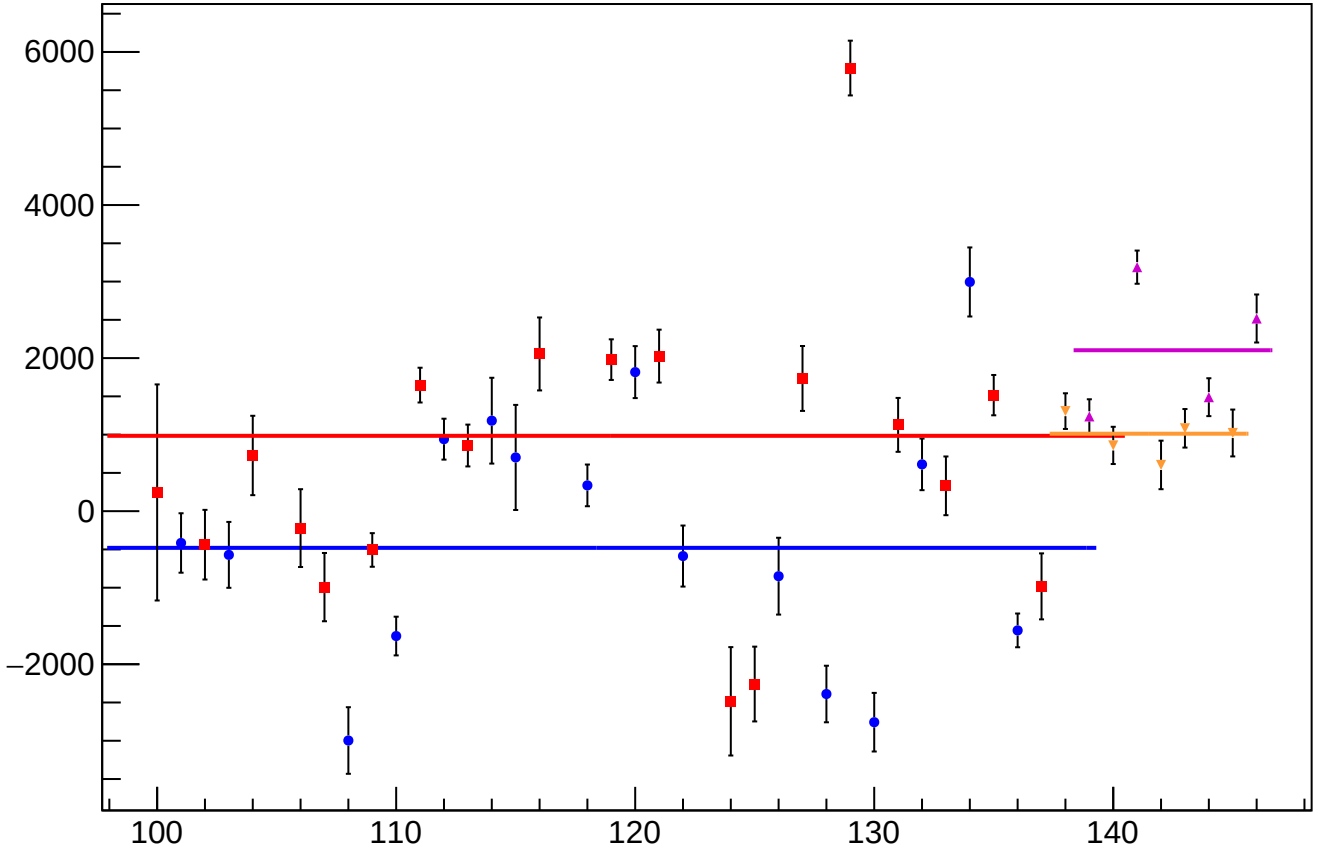
Left In: 208.245+/-0.080 χ^2/NDF:191187.6/3

+ sign 198.455+/-0.044 χ^2/NDF: 1078458.1/20

All: 191.639+/-0.030 χ^2/NDF: 2784023.0/43

- sign 185.568+/-0.042 χ^2/NDF: 1660626.7/22

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1012.099+/-118.099 χ^2/NDF:3.7/4

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

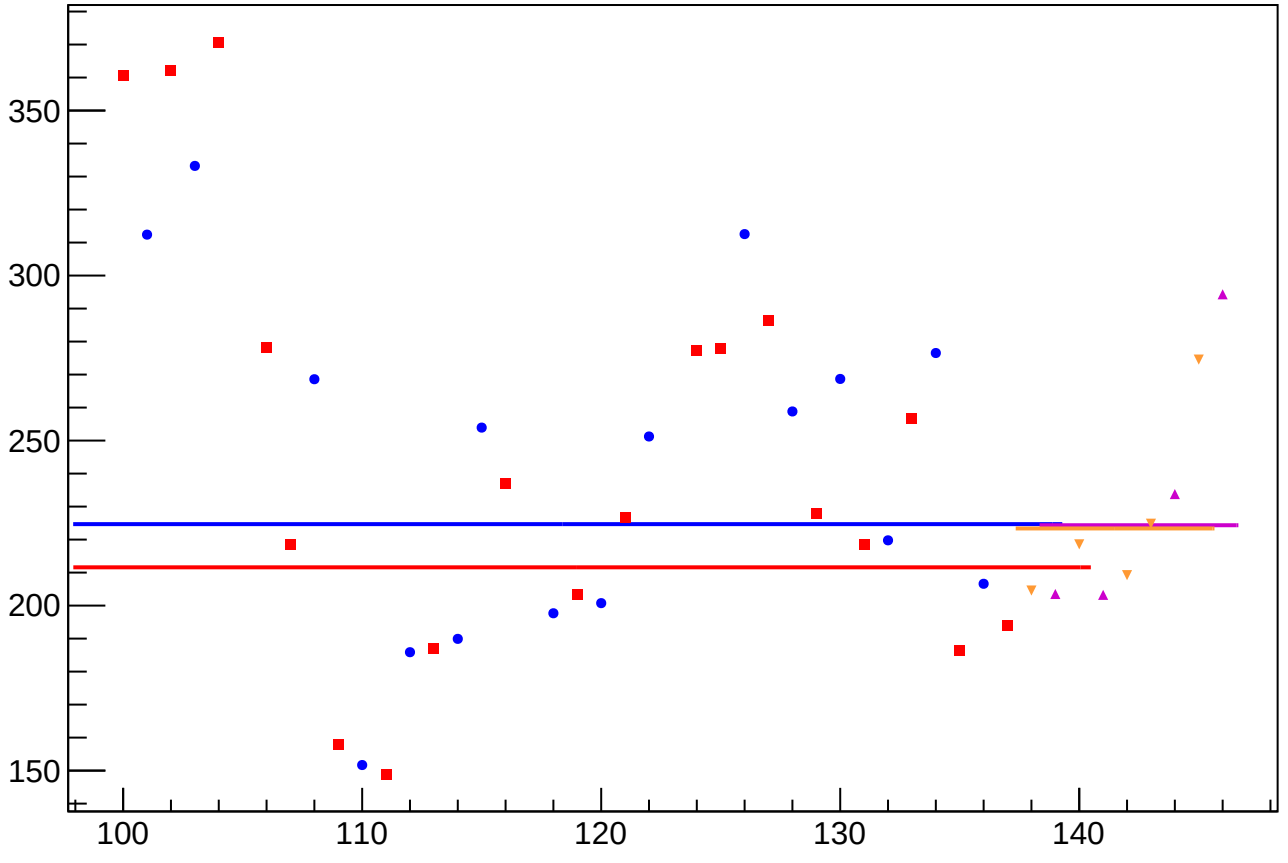
Left In: 2102.702+/-121.497 χ^2/NDF:47.9/3

+ sign 42.878+/-69.881 χ^2/NDF: 412.8/20

All: 709.128+/-48.499 χ^2/NDF: 1092.9/43

- sign 1328.252+/-67.364 χ^2/NDF: 504.7/22

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 223.377+/-0.084 χ^2/NDF:73723.1/4

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

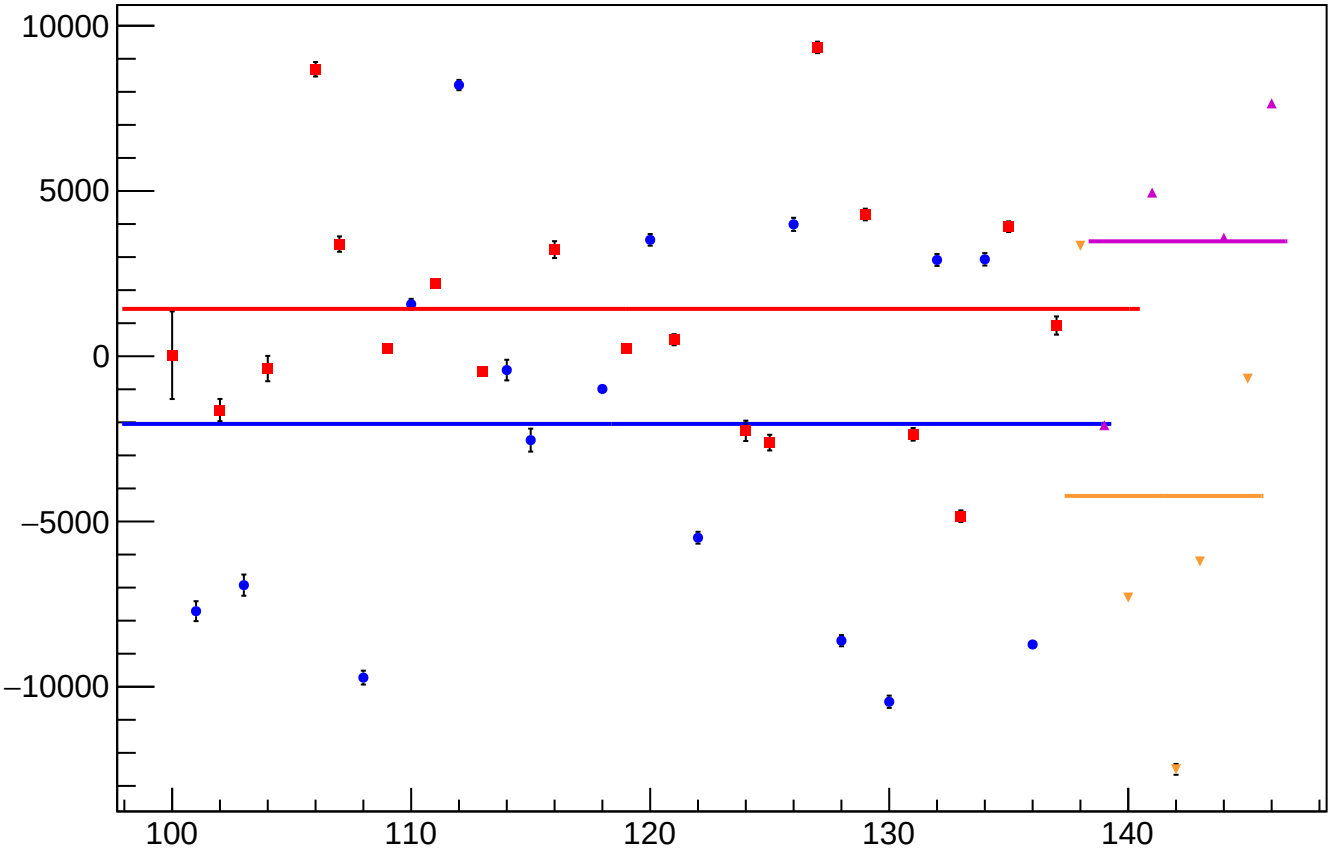
Left In: 224.349+/-0.086 χ^2/NDF:138649.8/3

+ sign 224.225+/-0.049 χ^2/NDF: 727075.4/20

All: 219.711+/-0.034 χ^2/NDF: 1829995.8/43

- sign 215.516+/-0.048 χ^2/NDF: 1086817.0/22

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4226.315+/-60.029 χ^2/NDF:7508.8/4

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

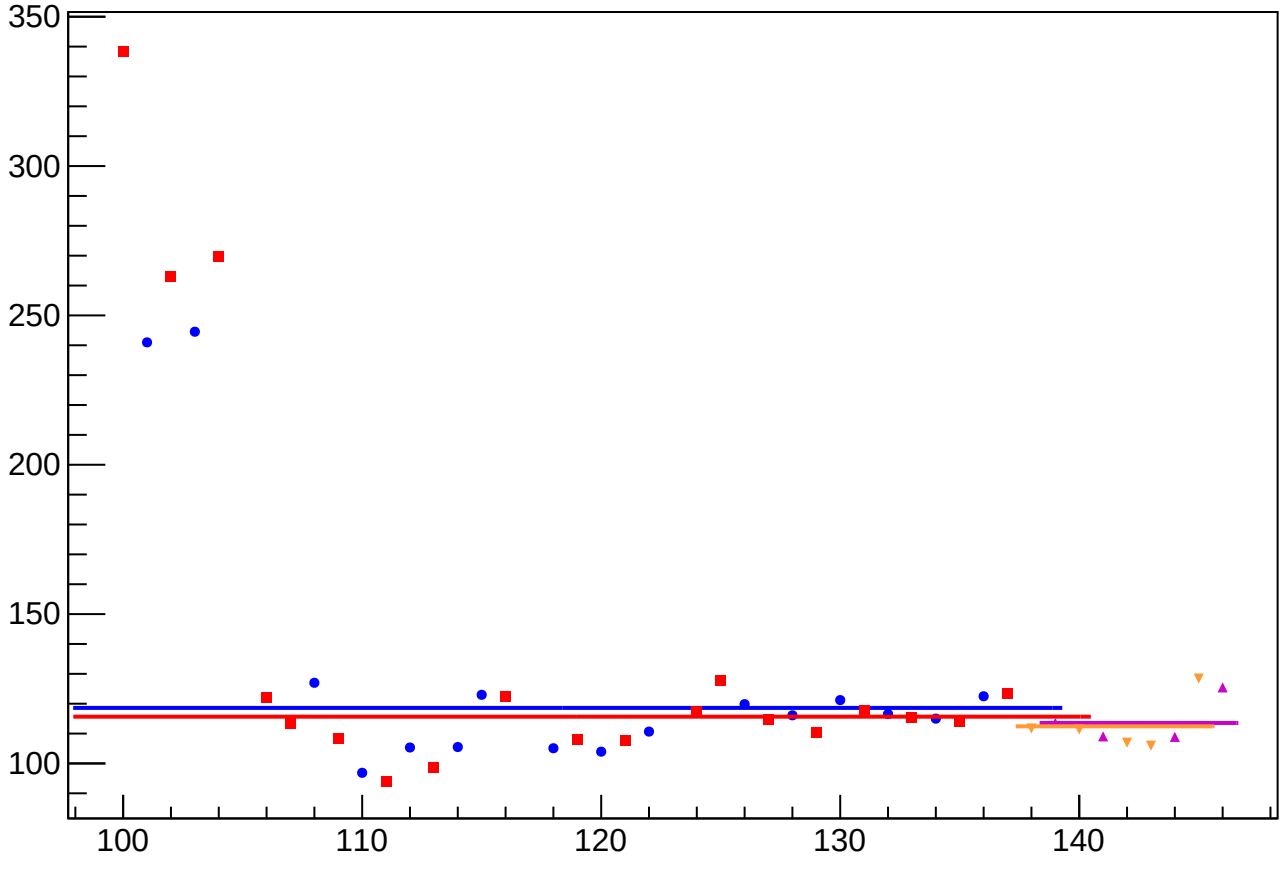
Left In: 3477.145+/-61.589 χ^2/NDF:3061.2/3

+ sign -2869.314+/-36.870 χ^2/NDF: 25038.5/20

All: -318.740+/-25.828 χ^2/NDF: 44605.0/43

- sign 2138.799+/-36.192 χ^2/NDF: 10170.2/22

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 112.422+/-0.042 χ^2/NDF:32545.2/4

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

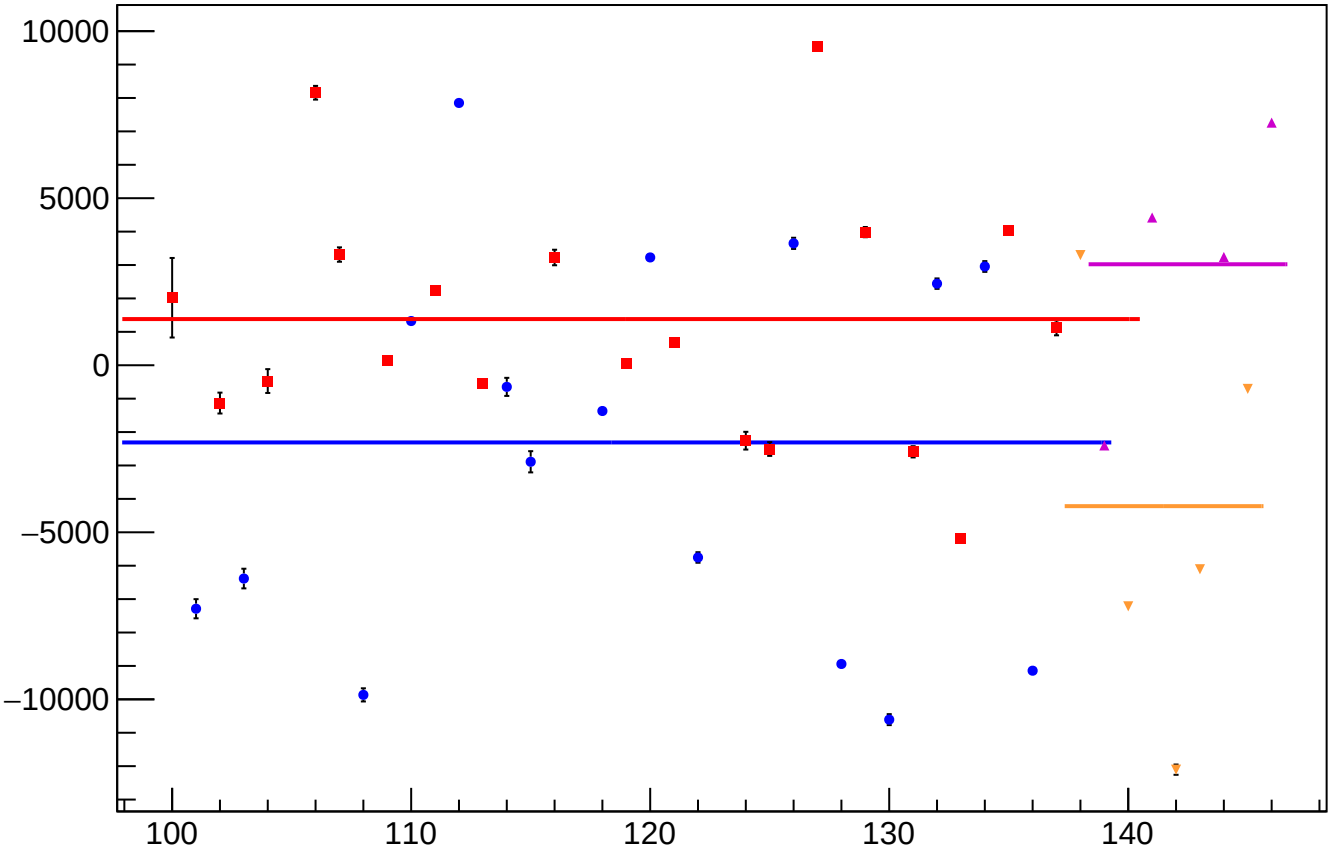
Left In: 113.549+/-0.044 χ^2/NDF:21891.7/3

+ sign 116.267+/-0.026 χ^2/NDF: 779880.1/20

All: 115.586+/-0.018 χ^2/NDF: 1668852.1/43

- sign 114.931+/-0.026 χ^2/NDF: 887635.3/22

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4217.627+/-55.080 χ^2/NDF:8394.3/4

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

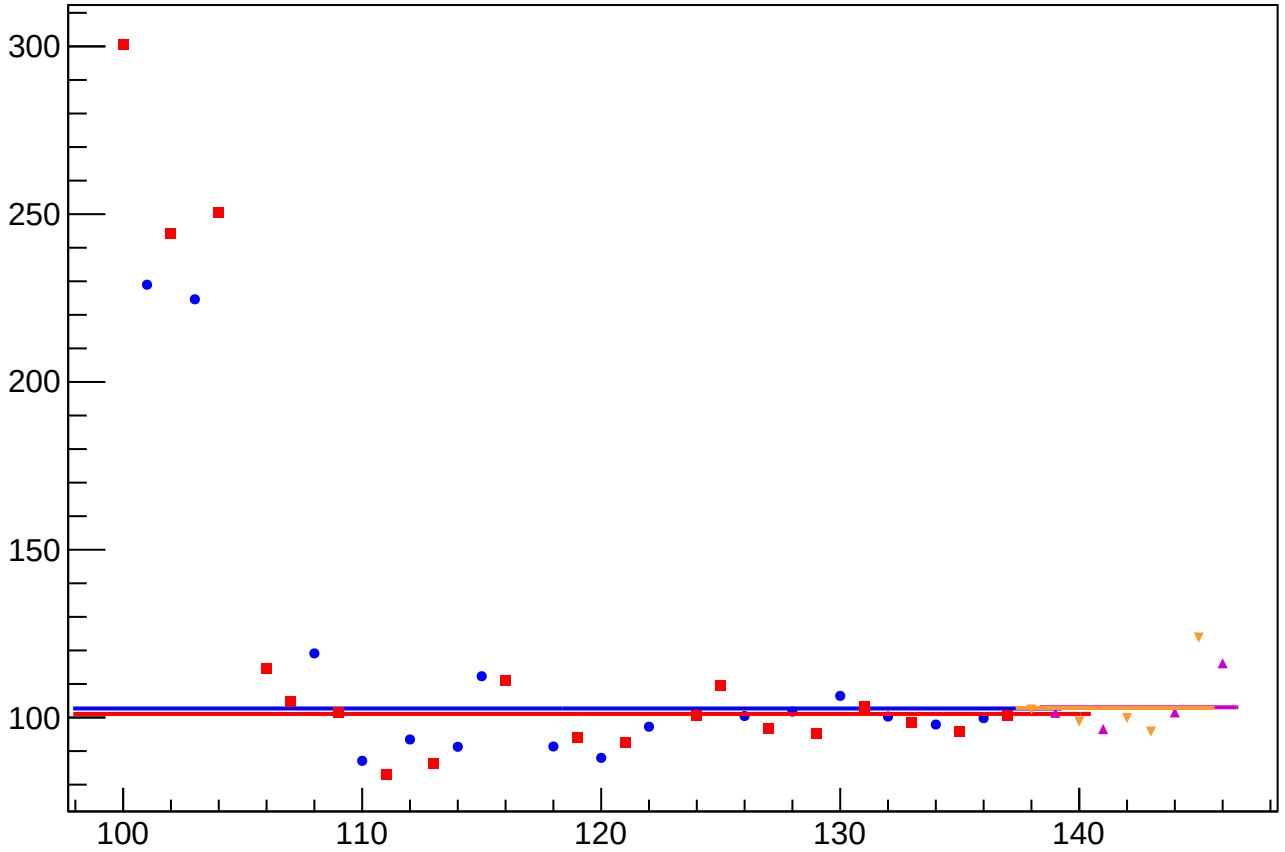
Left In: 3022.676+/-55.989 χ^2/NDF:3642.3/3

+ sign -2984.834+/-32.751 χ^2/NDF: 30848.7/20

All: -487.751+/-22.957 χ^2/NDF: 55073.4/43

- sign 1924.437+/-32.190 χ^2/NDF: 12795.9/22

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 102.851+/-0.039 χ^2/NDF:56898.8/4

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

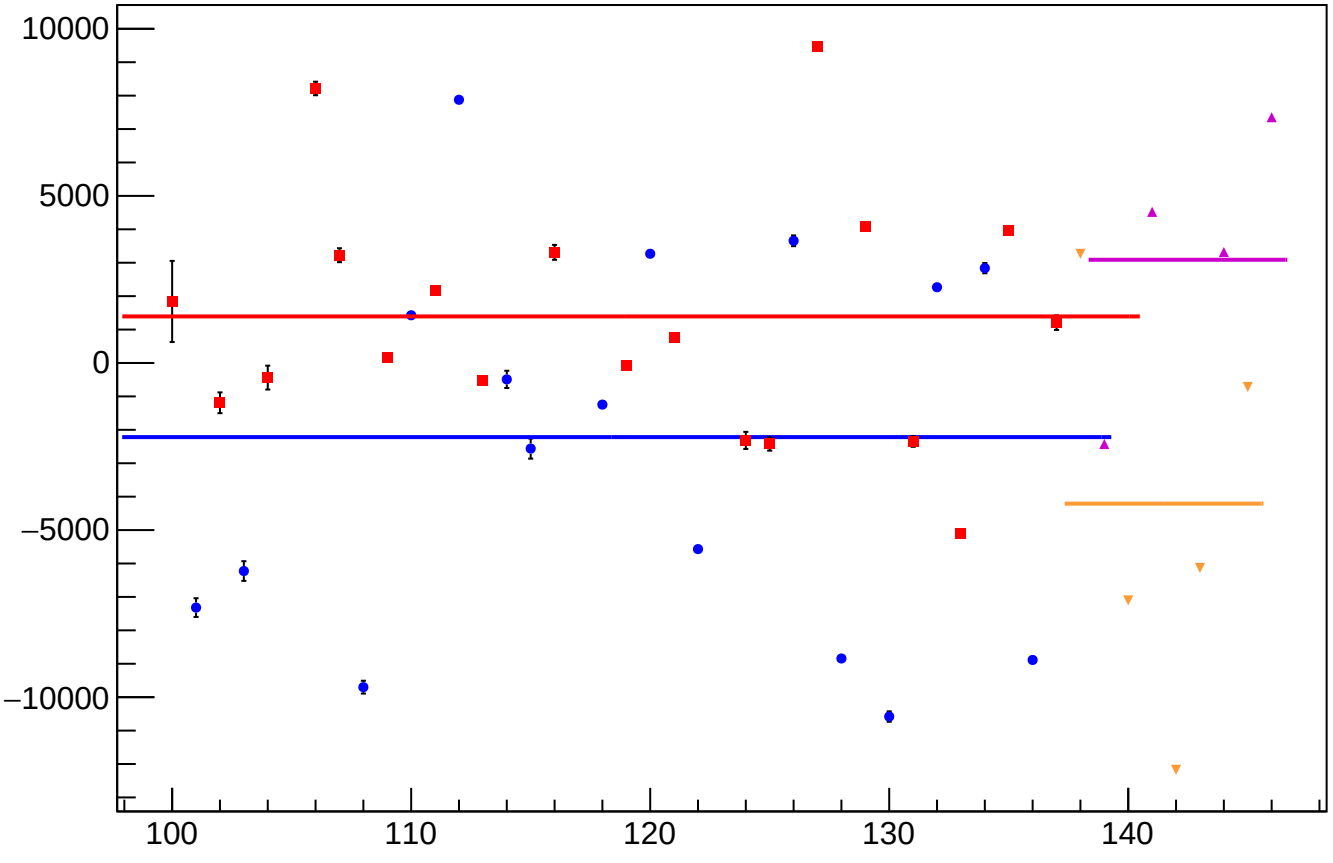
Left In: 103.051+/-0.040 χ^2/NDF:30881.9/3

+ sign 102.750+/-0.023 χ^2/NDF: 882710.9/20

All: 102.226+/-0.016 χ^2/NDF: 1846743.4/43

- sign 101.720+/-0.023 χ^2/NDF: 963028.2/22

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4208.979+/-53.507 χ^2/NDF:8925.2/4

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

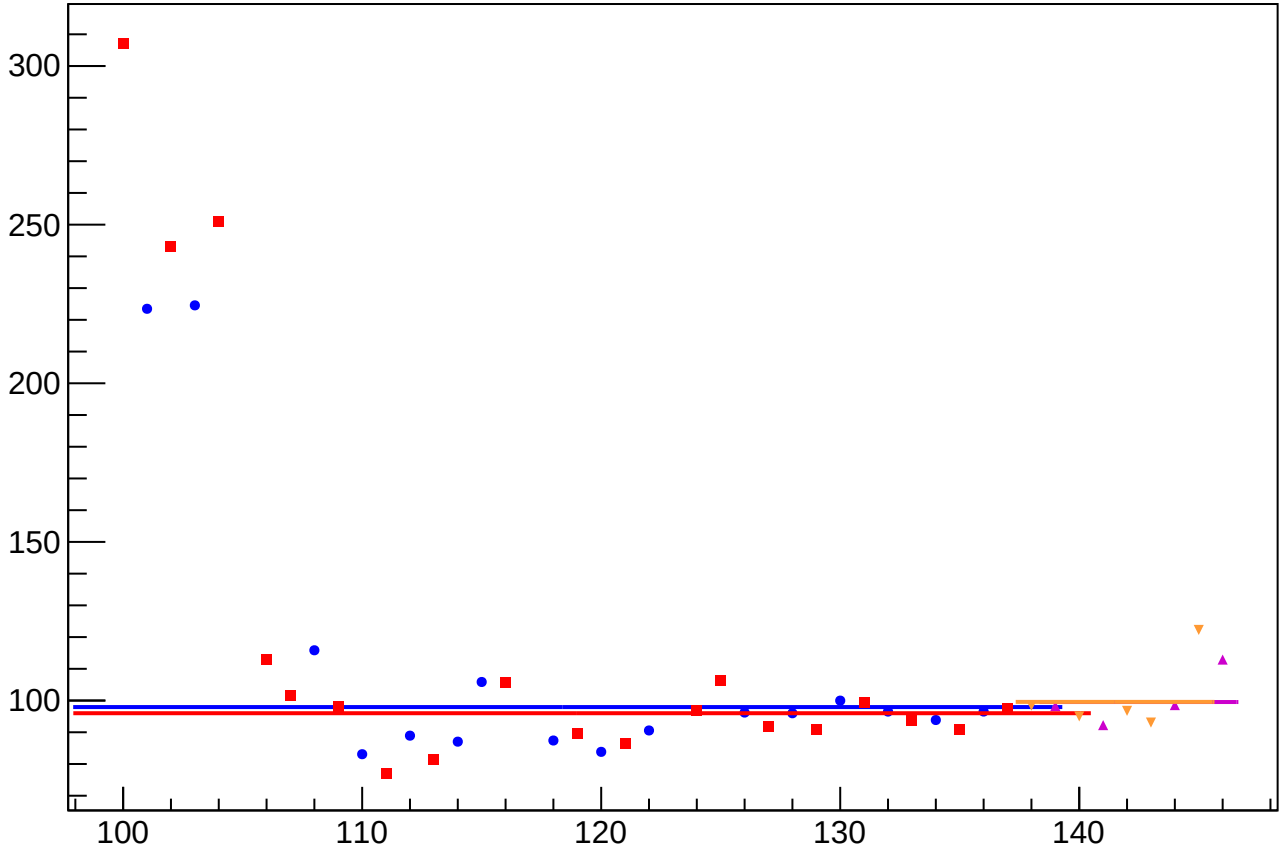
Left In: 3088.729+/-54.251 χ^2/NDF:3967.5/3

+ sign -2909.688+/-31.537 χ^2/NDF: 32869.4/20

All: -433.109+/-22.068 χ^2/NDF: 58732.8/43

- sign 1943.212+/-30.892 χ^2/NDF: 13779.4/22

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 99.575+/-0.038 χ^2/NDF:65849.9/4

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

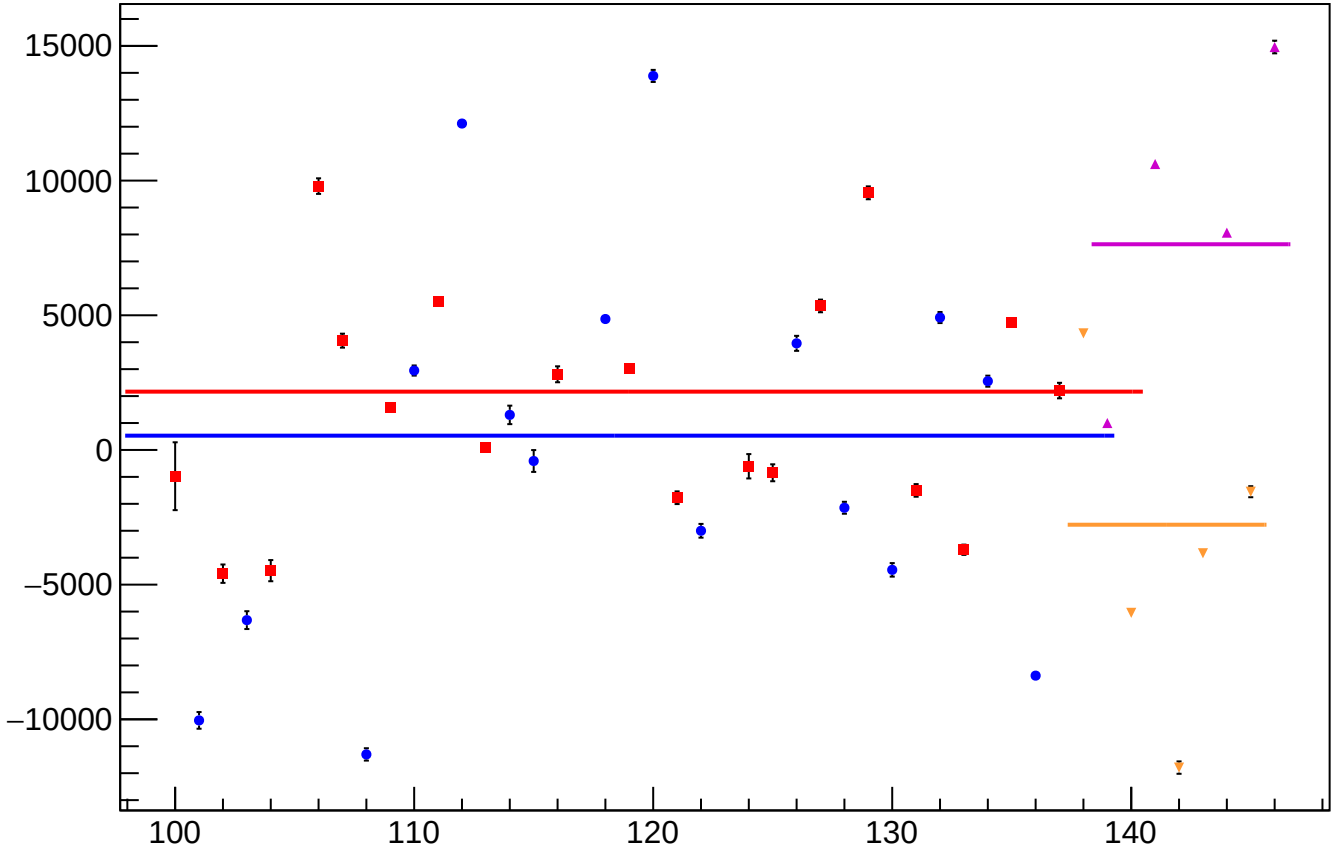
Left In: 99.533+/-0.038 χ^2/NDF:35499.1/3

+ sign 98.510+/-0.022 χ^2/NDF: 935211.8/20

All: 97.816+/-0.016 χ^2/NDF: 1990616.8/43

- sign 97.149+/-0.022 χ^2/NDF: 1053502.3/22

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2775.756+/-80.497 χ^2/NDF:4057.3/4

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

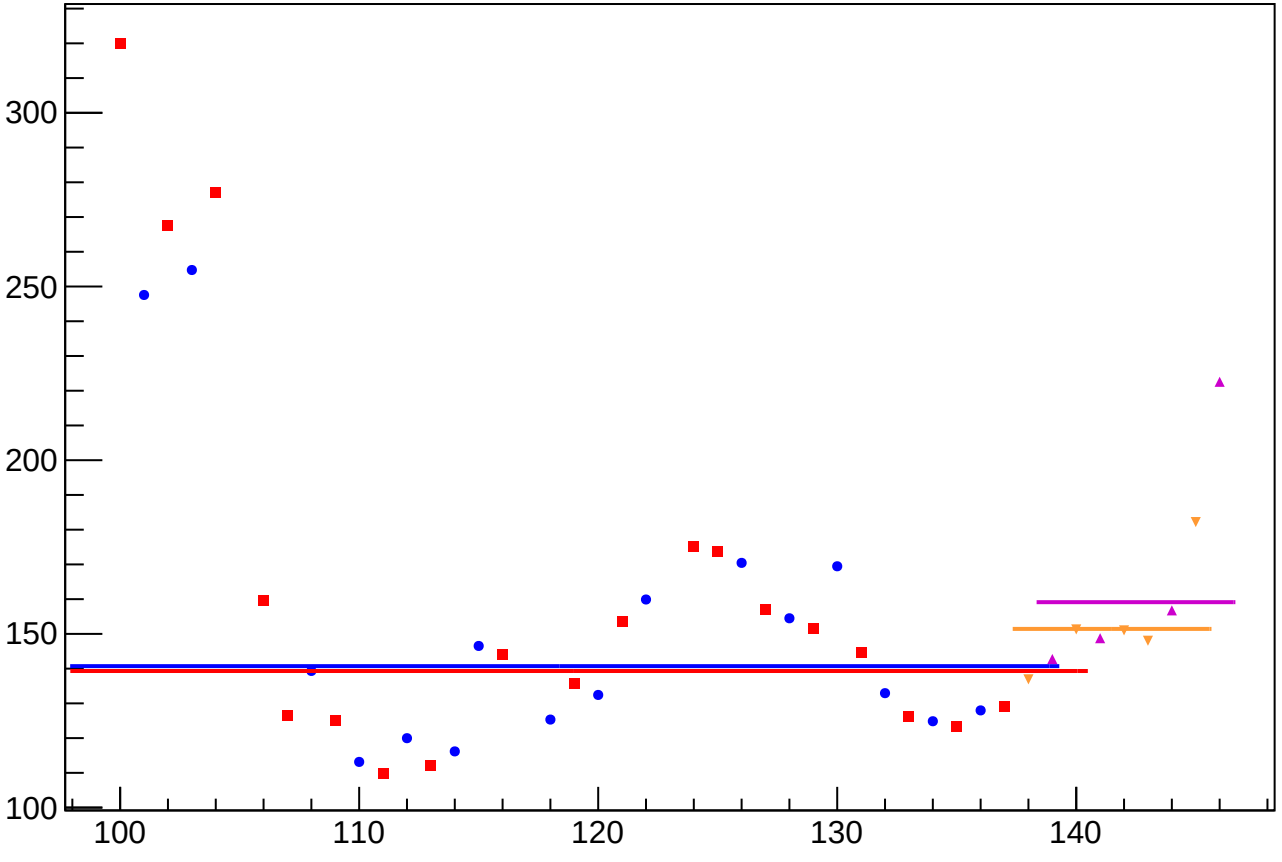
Left In: 7636.651+/-86.631 χ^2/NDF:3082.4/3

+ sign -517.919+/-45.330 χ^2/NDF: 23797.0/20

All: 1570.468+/-32.111 χ^2/NDF: 38996.0/43

- sign 3673.940+/-45.494 χ^2/NDF: 10938.7/22

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 151.437+/-0.057 χ^2/NDF:63233.4/4

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

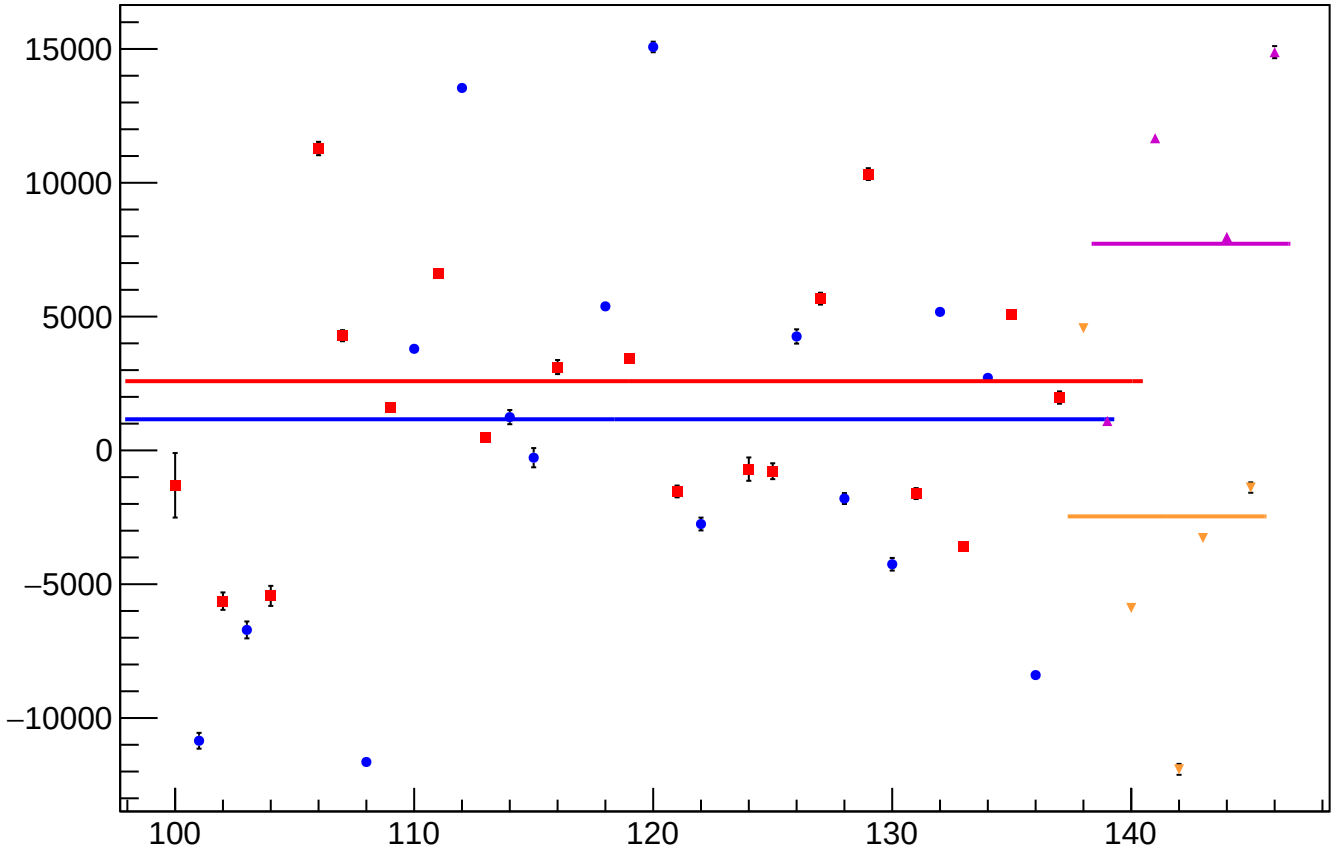
Left In: 159.131+/-0.061 χ^2/NDF:175568.0/3

+ sign 144.115+/-0.032 χ^2/NDF: 763080.4/20

All: 144.447+/-0.023 χ^2/NDF: 1816954.2/43

- sign 144.781+/-0.032 χ^2/NDF: 1053658.6/22

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2466.512+/-71.416 χ^2/NDF:5467.6/4

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

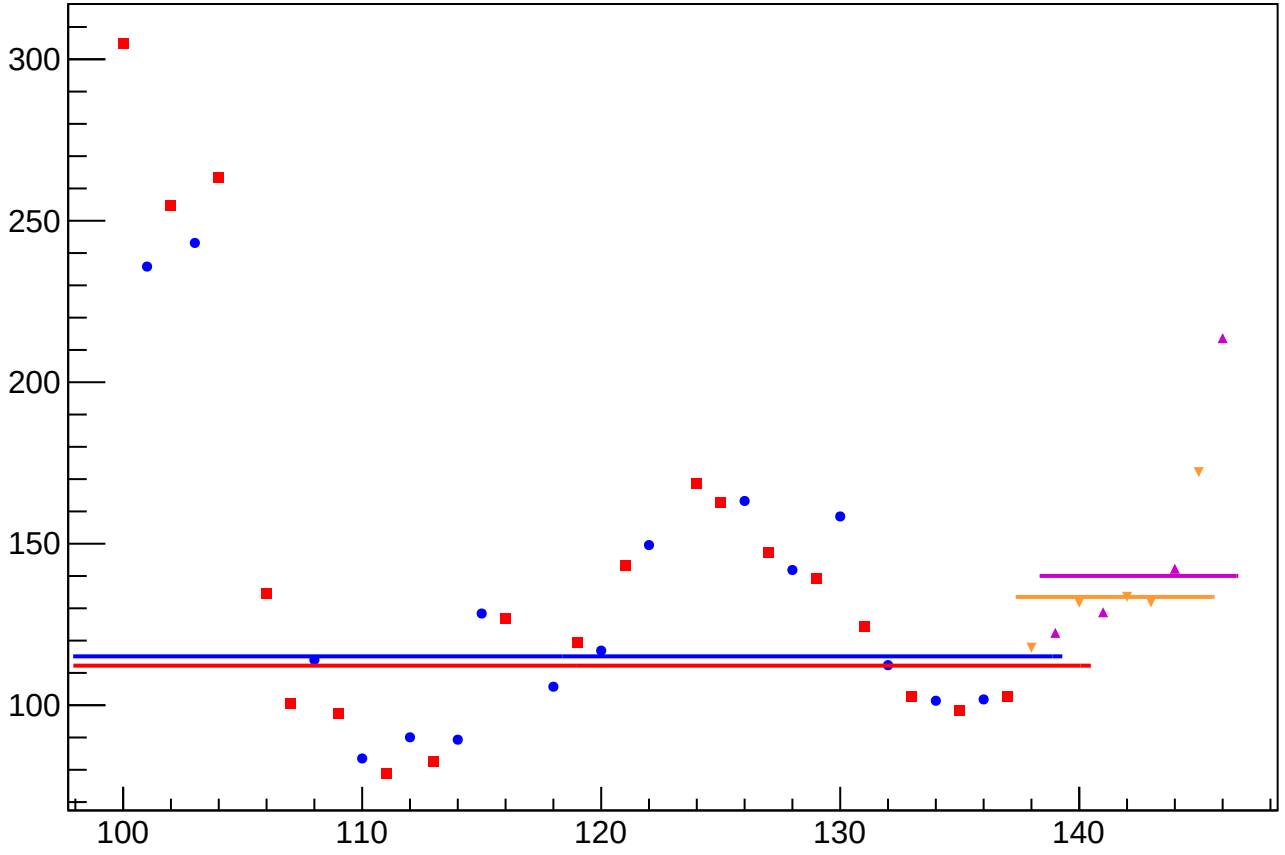
Left In: 7722.068+/-76.898 χ^2/NDF:4182.9/3

+ sign 101.003+/-38.631 χ^2/NDF: 38049.1/20

All: 1996.099+/-27.219 χ^2/NDF: 58461.0/43

- sign 3864.492+/-38.357 χ^2/NDF: 15632.6/22

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 133.517+/-0.050 χ^2/NDF:107183.3/4

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

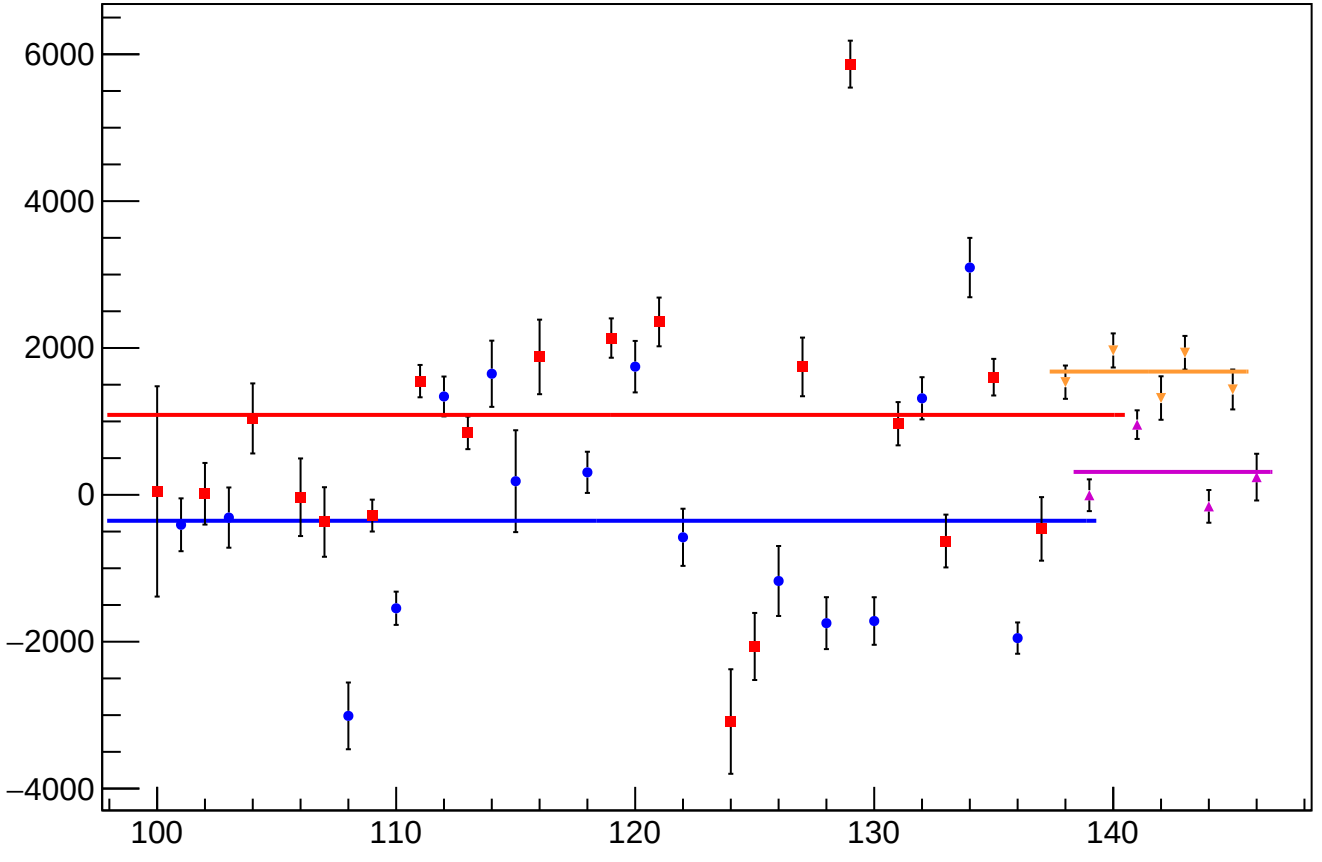
Left In: 140.032+/-0.054 χ^2/NDF:259290.6/3

+ sign 120.507+/-0.027 χ^2/NDF: 1314003.0/20

All: 119.827+/-0.019 χ^2/NDF: 3098902.6/43

- sign 119.156+/-0.027 χ^2/NDF: 1783667.8/22

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1678.837+/-110.433 χ^2/NDF:5.5/4

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

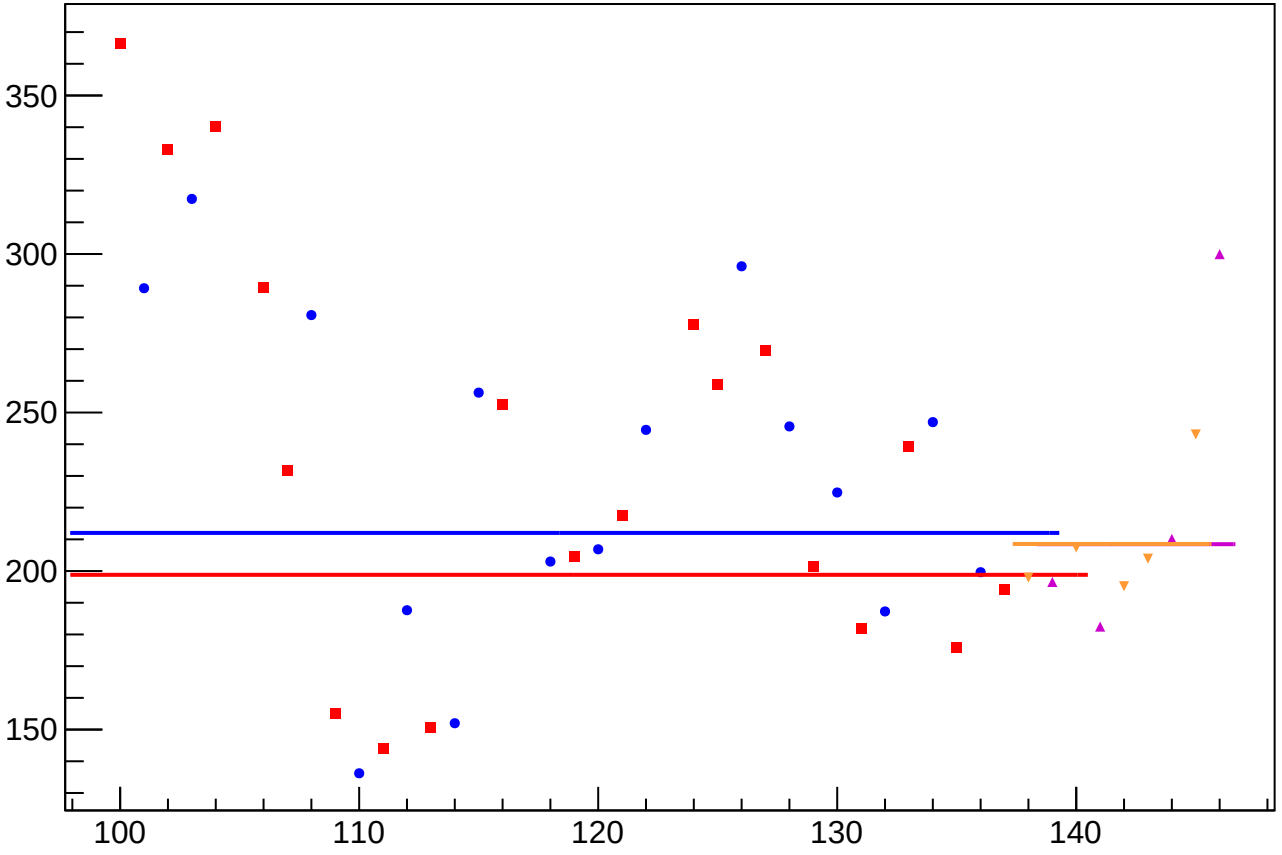
Left In: 312.234+/-113.459 χ^2/NDF:17.5/3

\+ sign 370.578+/-65.905 χ^2/NDF: 585.3/20

All: 617.670+/-45.689 χ^2/NDF: 1109.3/43

\- sign 846.310+/-63.397 χ^2/NDF: 496.9/22

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 208.543+/-0.078 χ^2/NDF:41653.8/4

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

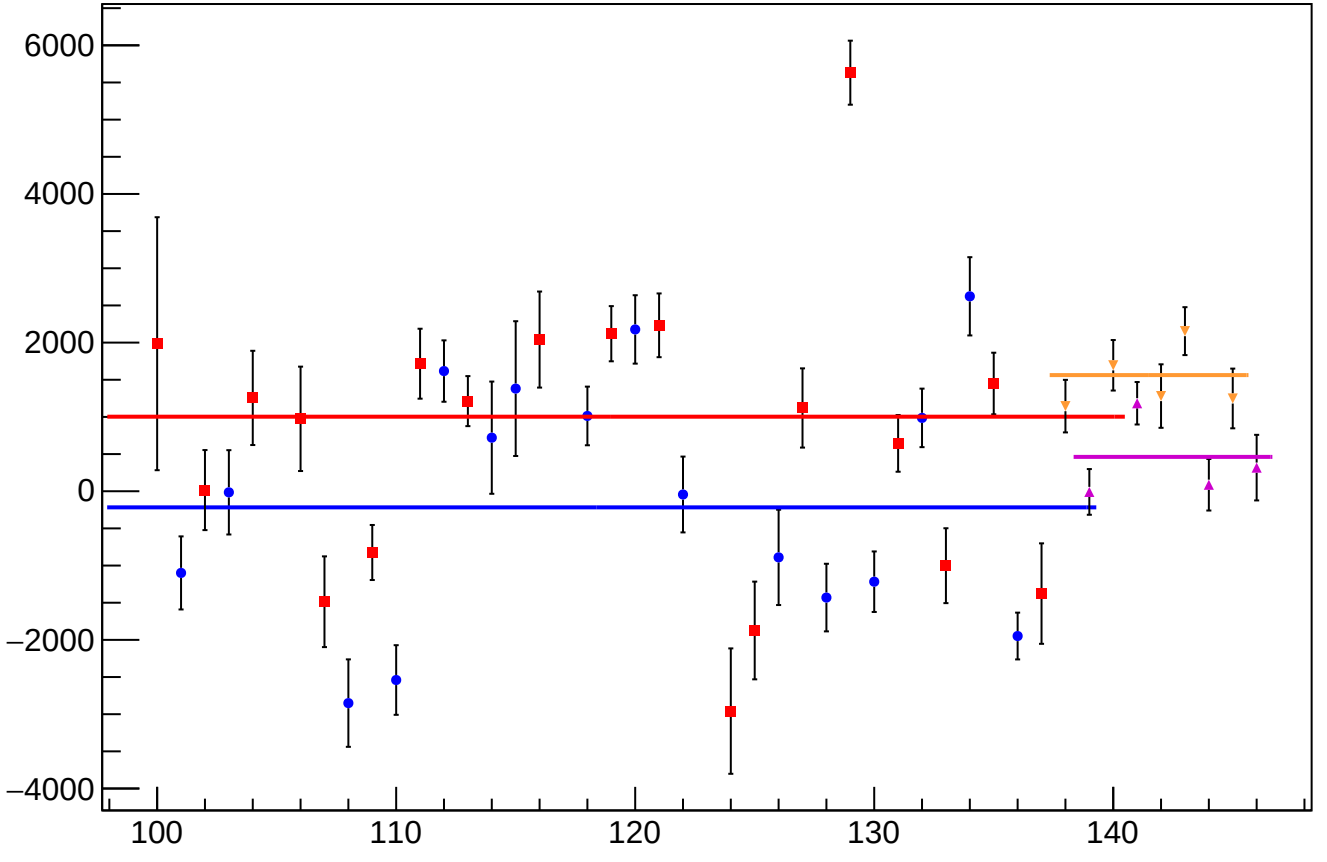
Left In: 208.472+/-0.080 χ^2/NDF:207093.1/3

\+ sign 210.787+/-0.047 χ^2/NDF: 733293.5/20

All: 206.133+/-0.032 χ^2/NDF: 1944493.3/43

\- sign 201.826+/-0.045 χ^2/NDF: 1191998.3/22

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1562.760+/-162.320 χ^2/NDF:6.0/4

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

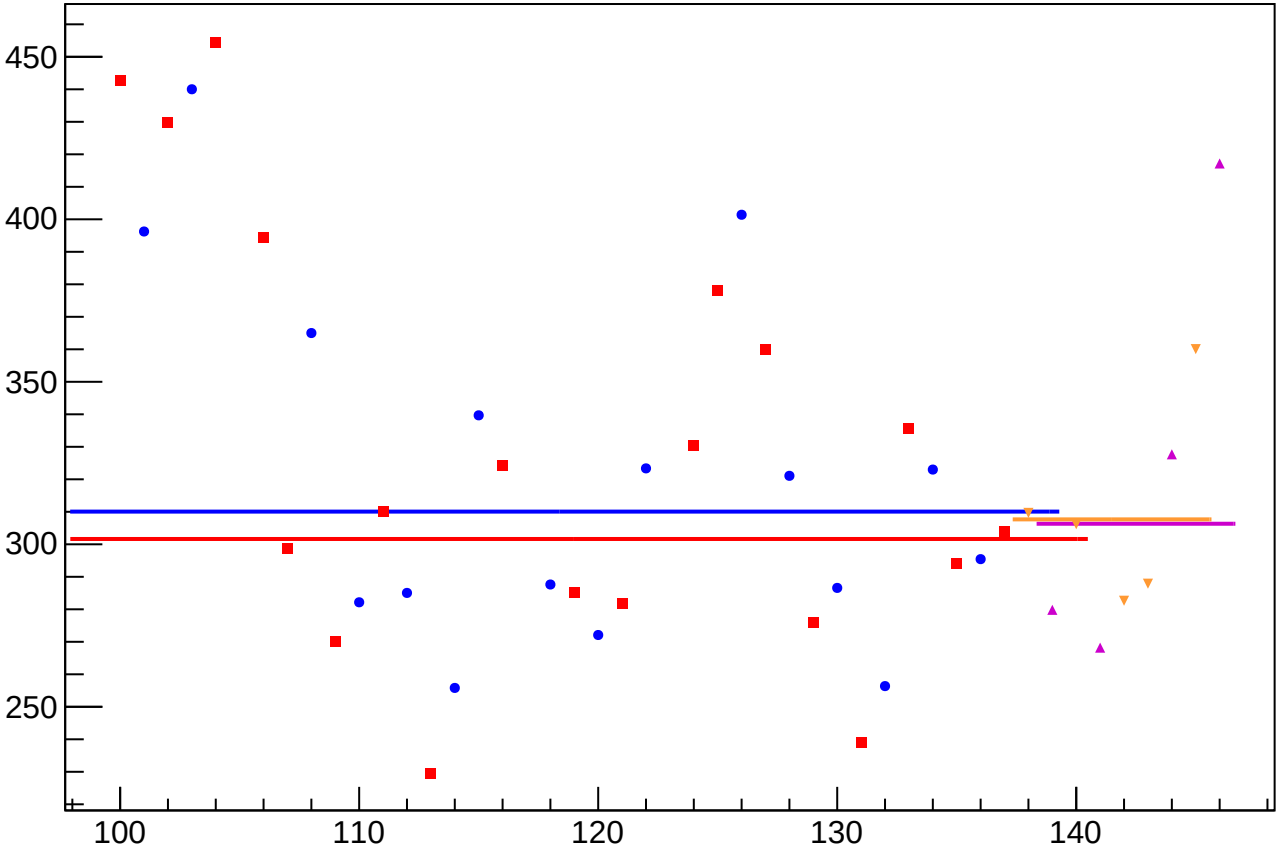
Left In: 462.210+/-166.076 χ^2/NDF:10.0/3

+ sign 397.615+/-95.385 χ^2/NDF: 276.8/20

All: 619.004+/-66.767 χ^2/NDF: 559.0/43

- sign 831.669+/-93.487 χ^2/NDF: 271.6/22

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 307.669+/-0.115 χ^2/NDF:48516.3/4

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

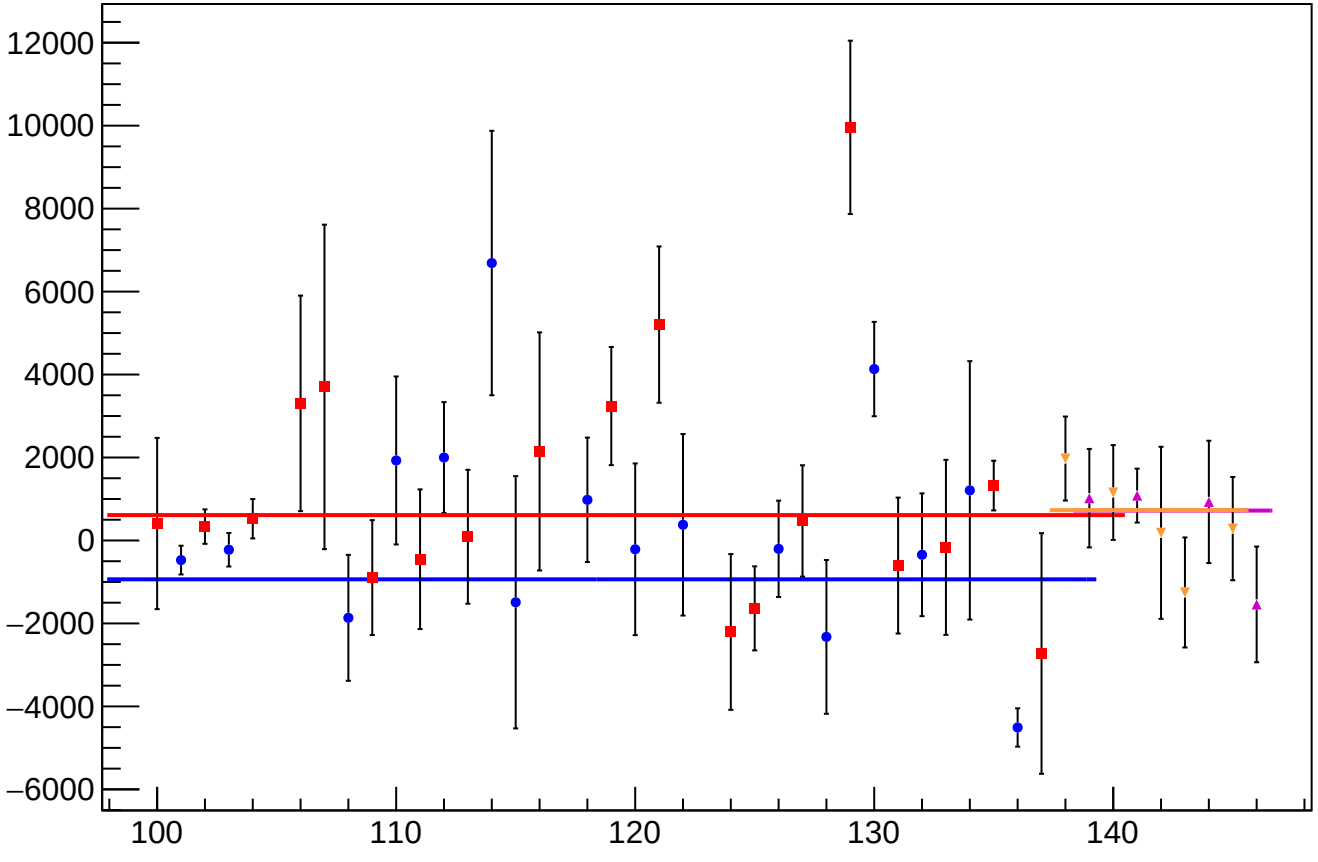
Left In: 306.324+/-0.117 χ^2/NDF:184220.3/3

+ sign 309.236+/-0.067 χ^2/NDF: 372084.3/20

All: 306.118+/-0.047 χ^2/NDF: 1081472.0/43

- sign 303.122+/-0.066 χ^2/NDF: 705197.7/22

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 730.355+/-560.054 χ^2/NDF:4.1/4

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

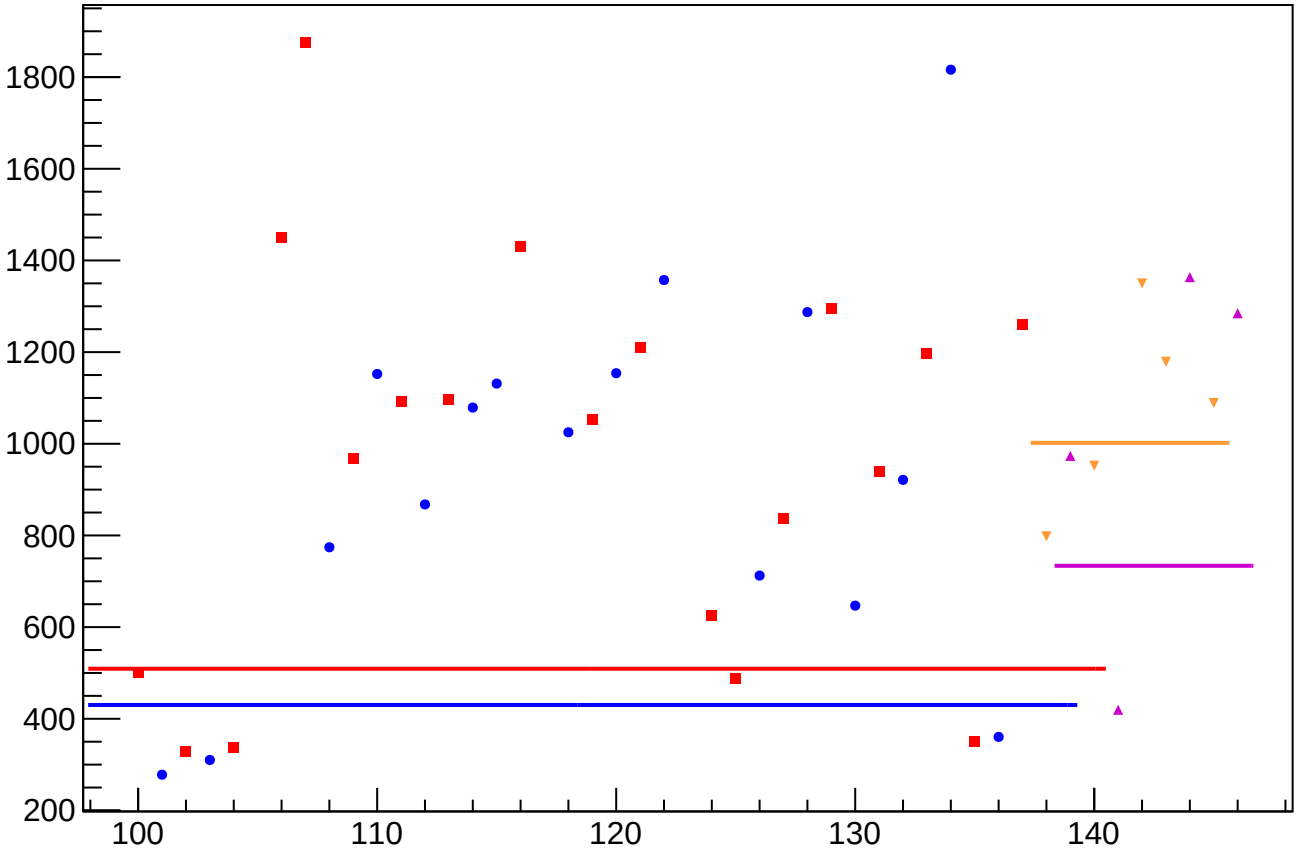
Left In: 720.628+/-496.859 χ^2/NDF:3.0/3

+ sign -740.434+/-192.274 χ^2/NDF: 113.1/20

All: -118.315+/-142.138 χ^2/NDF: 183.4/43

- sign 631.330+/-211.063 χ^2/NDF: 47.2/22

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1002.060+/-0.396 χ^2/NDF:186588.6/4

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

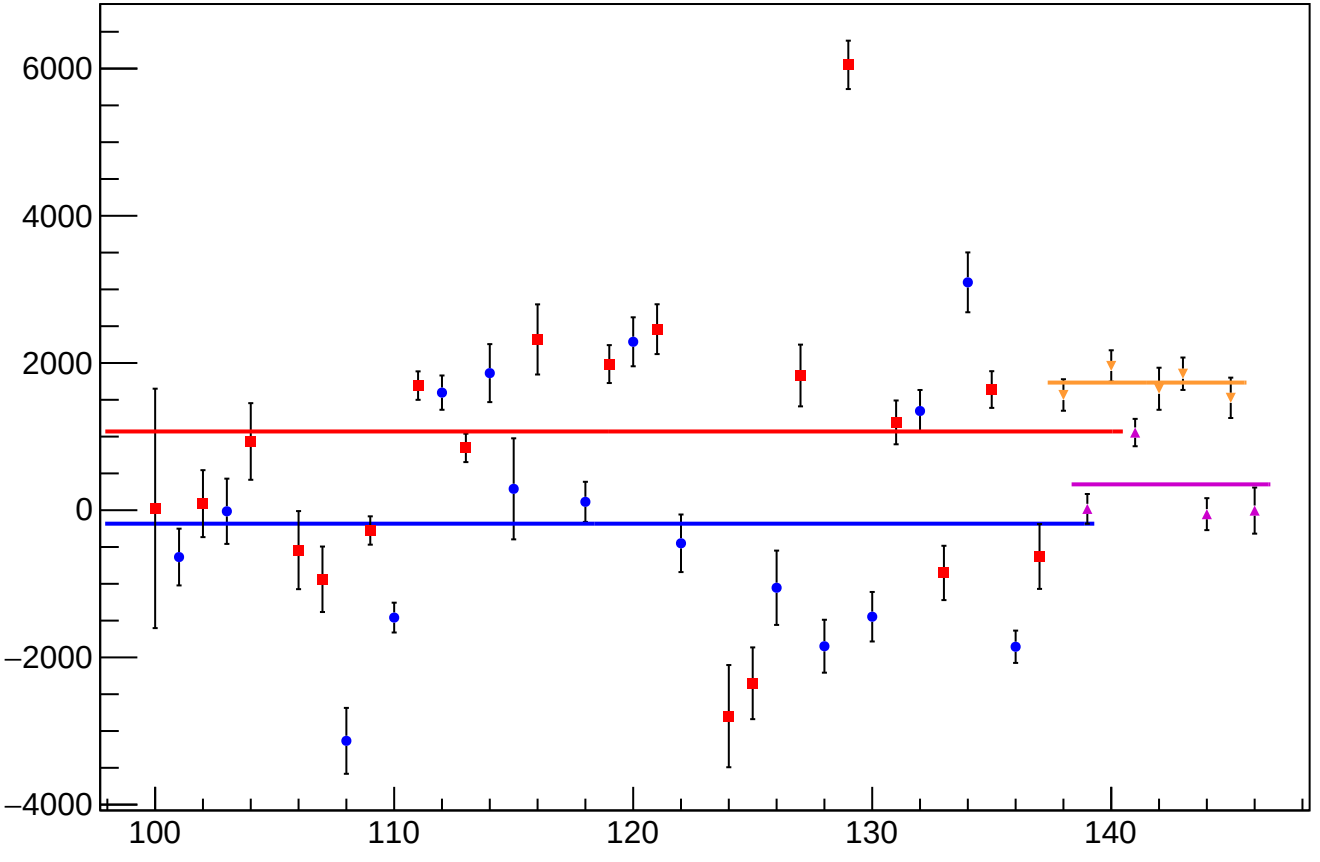
Left In: 733.812+/-0.351 χ^2/NDF:1225934.6/3

+ sign 497.523+/-0.136 χ^2/NDF: 5548462.6/20

All: 521.214+/-0.101 χ^2/NDF: 10849636.8/43

- sign 549.761+/-0.149 χ^2/NDF: 5234223.4/22

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1733.957+/-105.391 χ^2/NDF:2.7/4

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

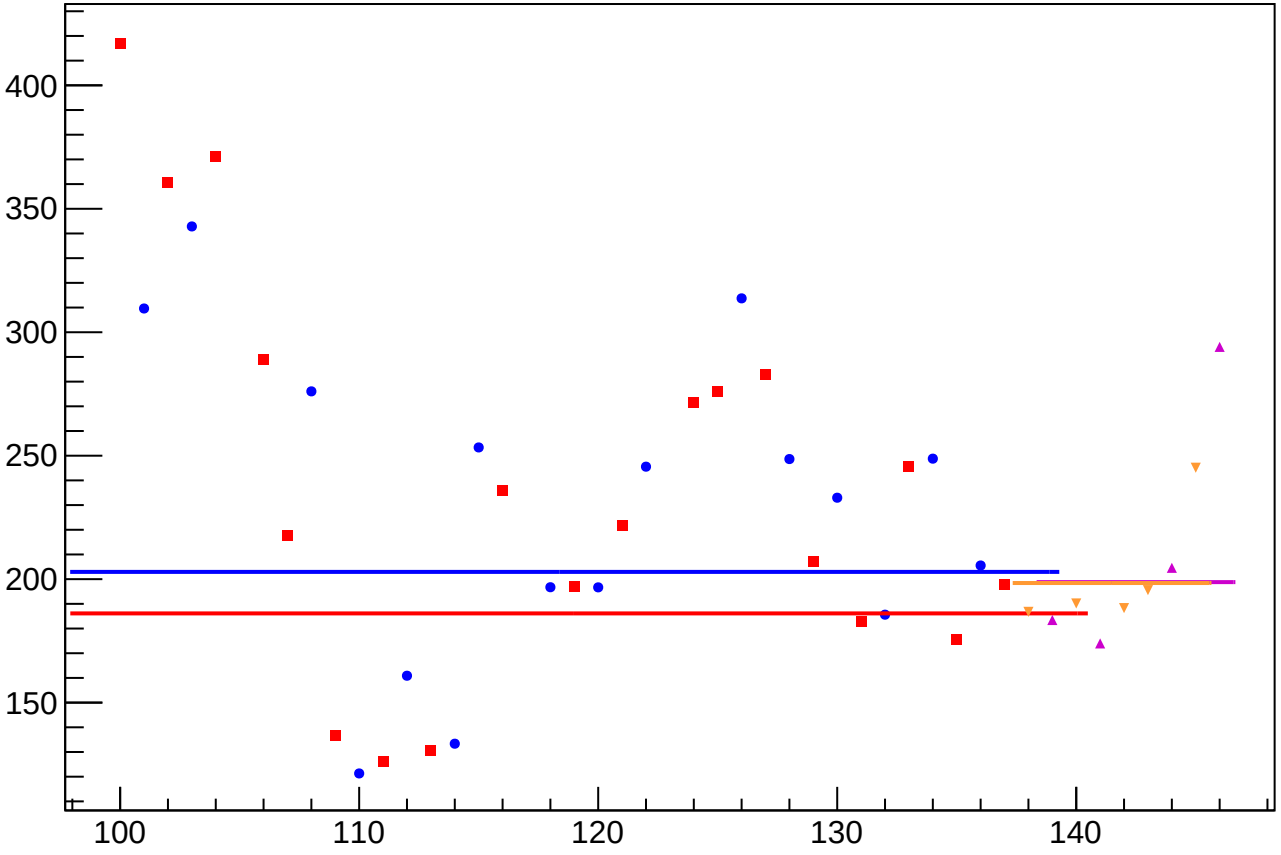
Left In: 351.120+/-108.612 χ^2/NDF:21.8/3

+ sign 516.231+/-63.652 χ^2/NDF: 630.6/20

All: 689.081+/-43.898 χ^2/NDF: 1188.8/43

- sign 845.862+/-60.621 χ^2/NDF: 544.2/22

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 198.434+/-0.075 χ^2/NDF:69826.1/4

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

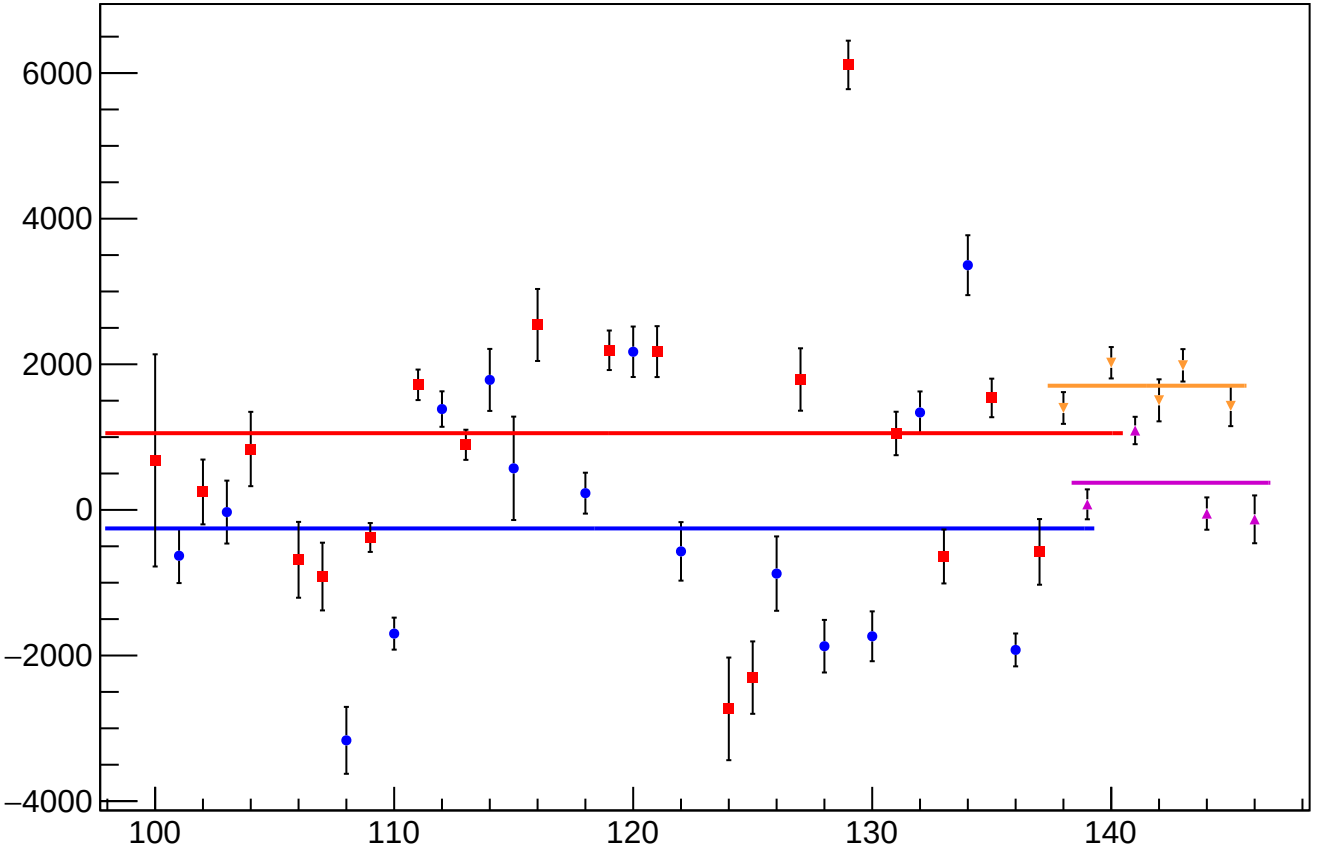
Left In: 198.800+/-0.077 χ^2/NDF:233422.8/3

+ sign 201.297+/-0.045 χ^2/NDF: 1144008.6/20

All: 195.413+/-0.031 χ^2/NDF: 2910427.8/43

- sign 190.076+/-0.043 χ^2/NDF: 1733826.6/22

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1705.773+/-106.810 χ^2/NDF:7.2/4

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

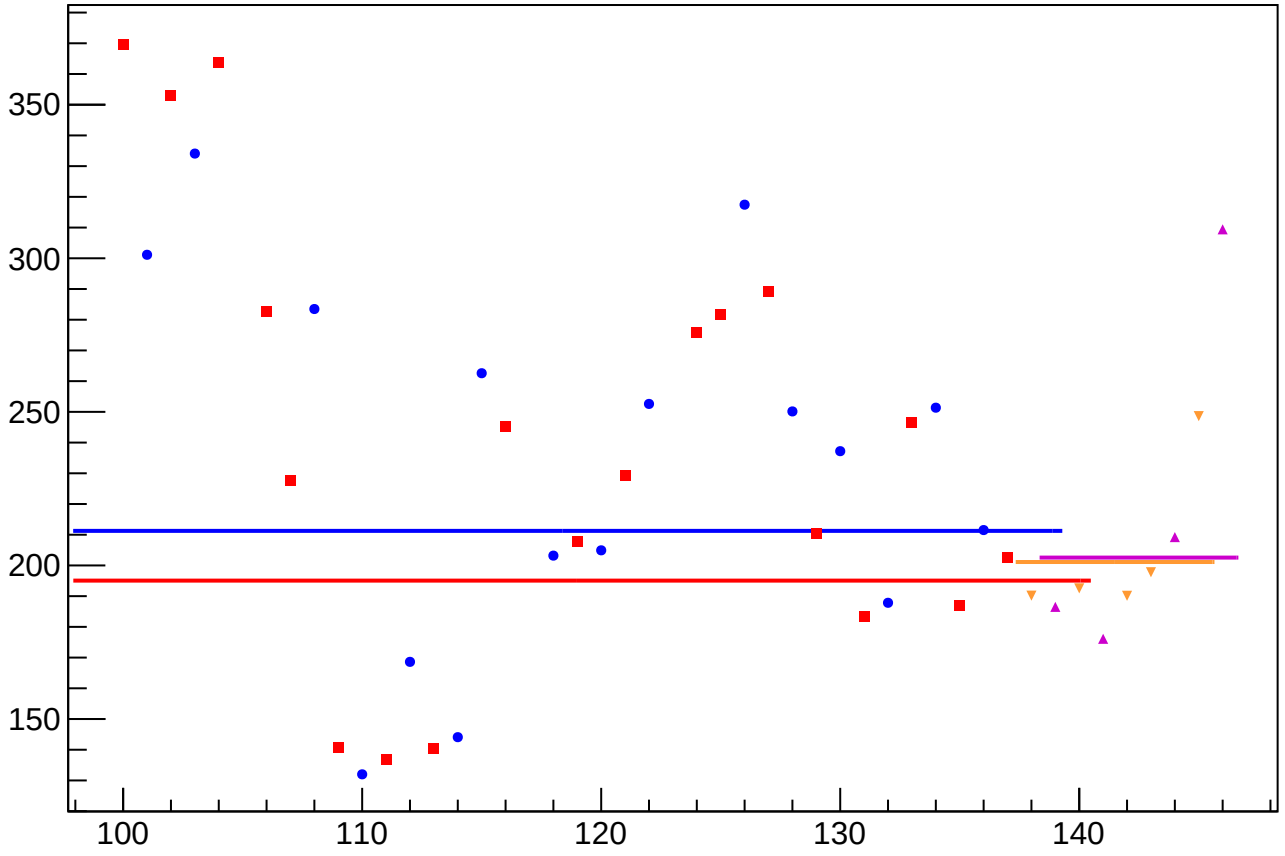
Left In: 372.902+/-110.791 χ^2/NDF:22.6/3

+ sign 477.899+/-65.286 χ^2/NDF: 627.4/20

All: 664.308+/-45.205 χ^2/NDF: 1169.0/43

- sign 835.992+/-62.654 χ^2/NDF: 525.9/22

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 201.117+/-0.076 χ^2/NDF:69905.8/4

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

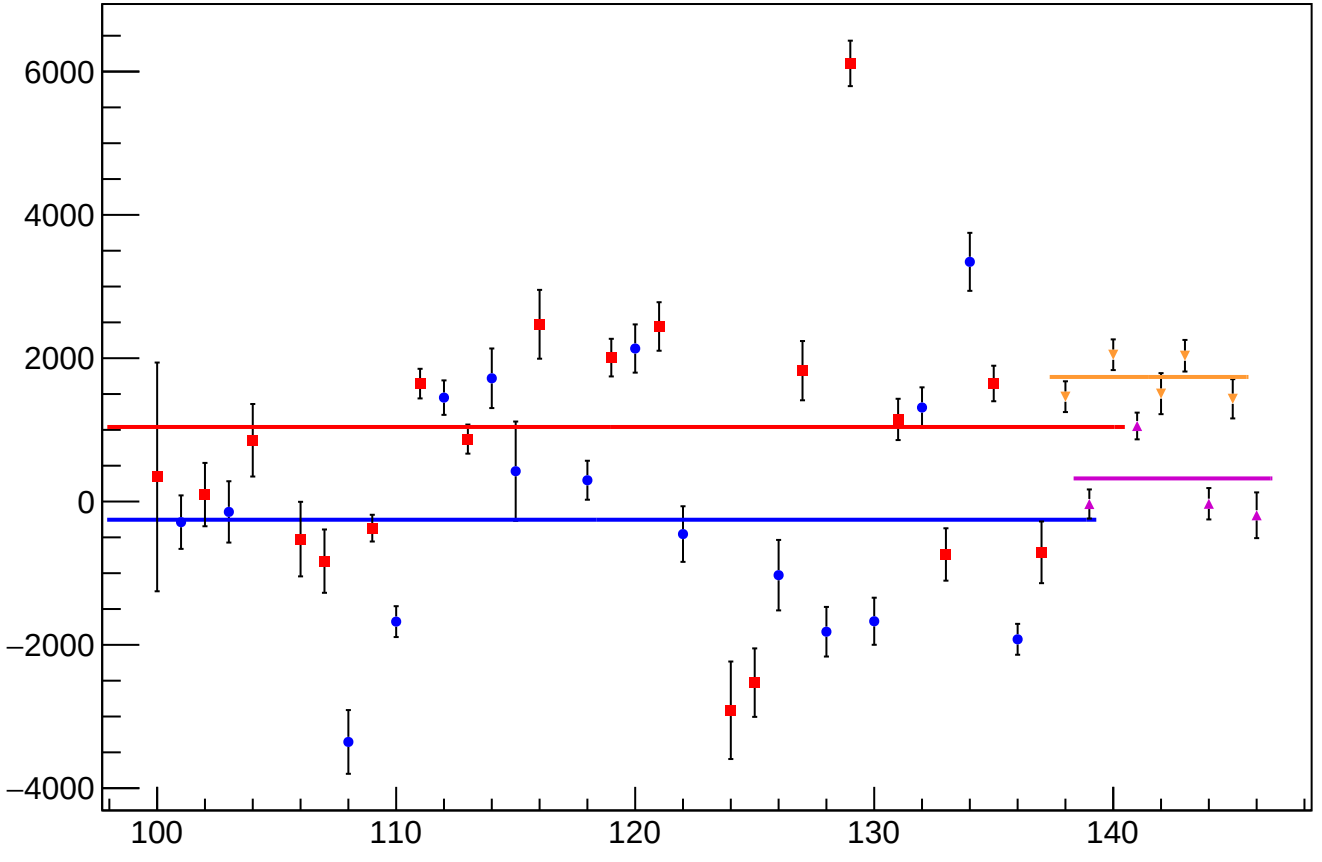
Left In: 202.554+/-0.078 χ^2/NDF:265108.4/3

+ sign 207.466+/-0.046 χ^2/NDF: 965552.2/20

All: 202.256+/-0.032 χ^2/NDF: 2546233.2/43

- sign 197.458+/-0.044 χ^2/NDF: 1556211.1/22

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1738.282+/-105.664 χ^2/NDF:7.4/4

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

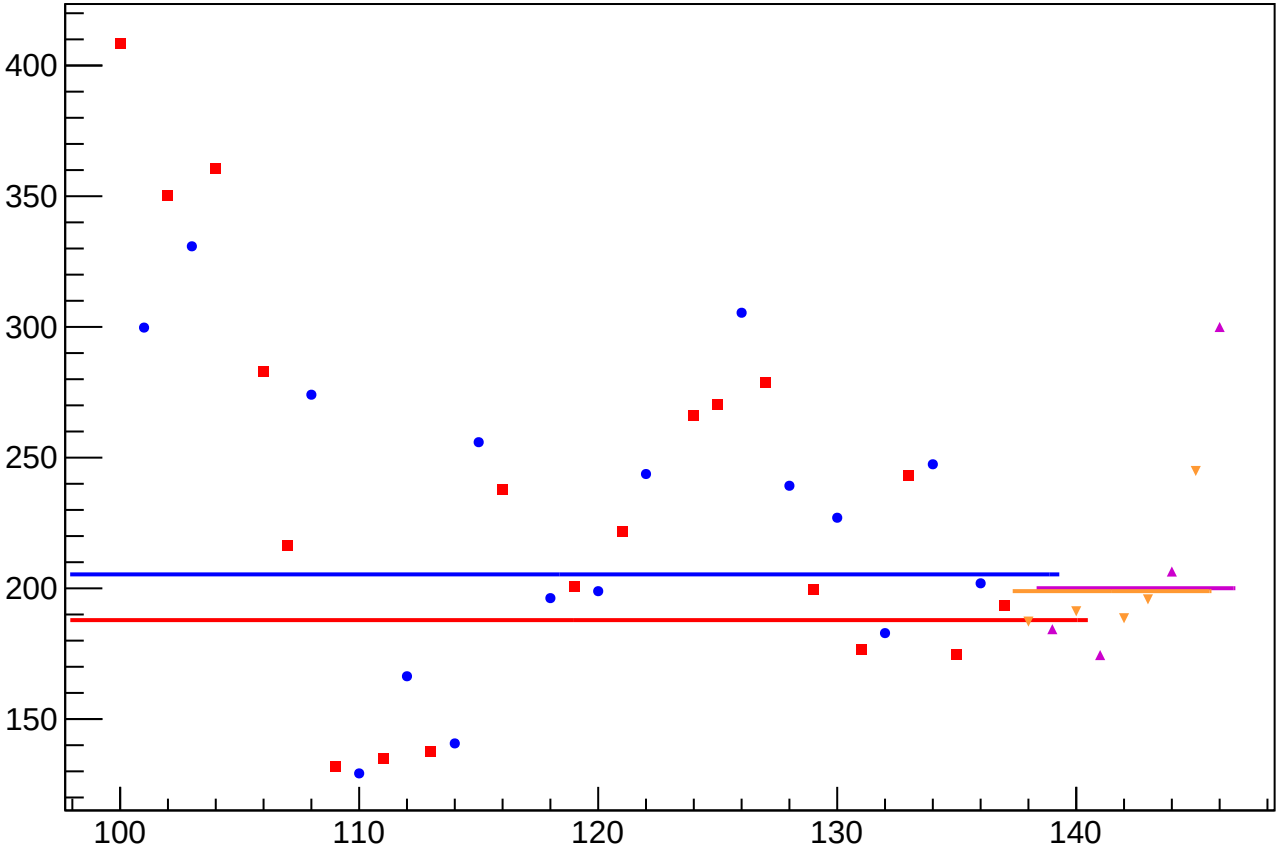
Left In: 322.328+/-109.349 χ^2/NDF:23.7/3

+ sign 474.452+/-63.894 χ^2/NDF: 665.0/20

All: 654.131+/-44.092 χ^2/NDF: 1266.9/43

- sign 817.484+/-60.922 χ^2/NDF: 586.8/22

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 198.936+/-0.075 χ^2/NDF:67768.6/4

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

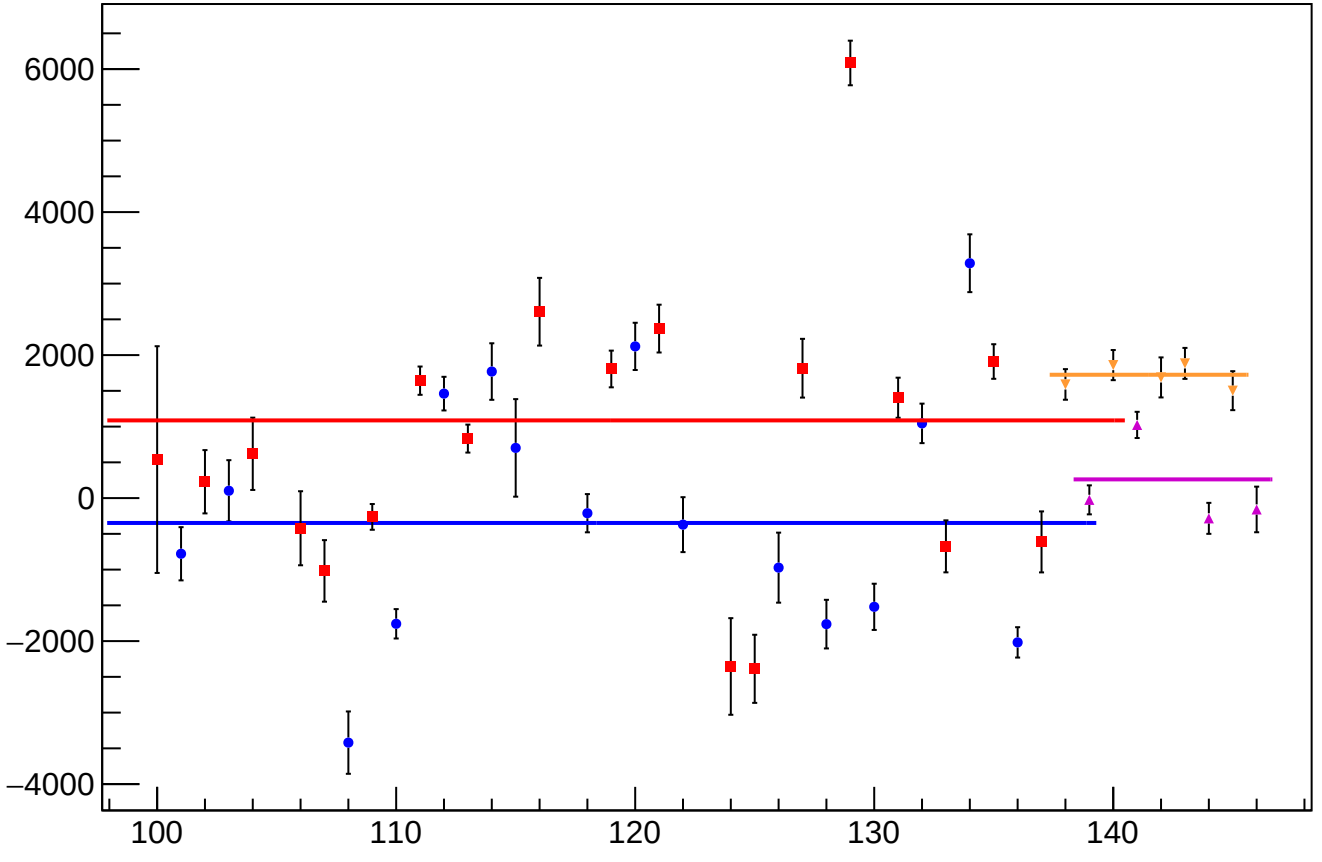
Left In: 200.050+/-0.077 χ^2/NDF:247289.9/3

+ sign 202.999+/-0.045 χ^2/NDF: 949829.2/20

All: 197.047+/-0.031 χ^2/NDF: 2584476.4/43

- sign 191.636+/-0.043 χ^2/NDF: 1601511.1/22

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1725.064+/-104.319 χ^2/NDF:2.0/4

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

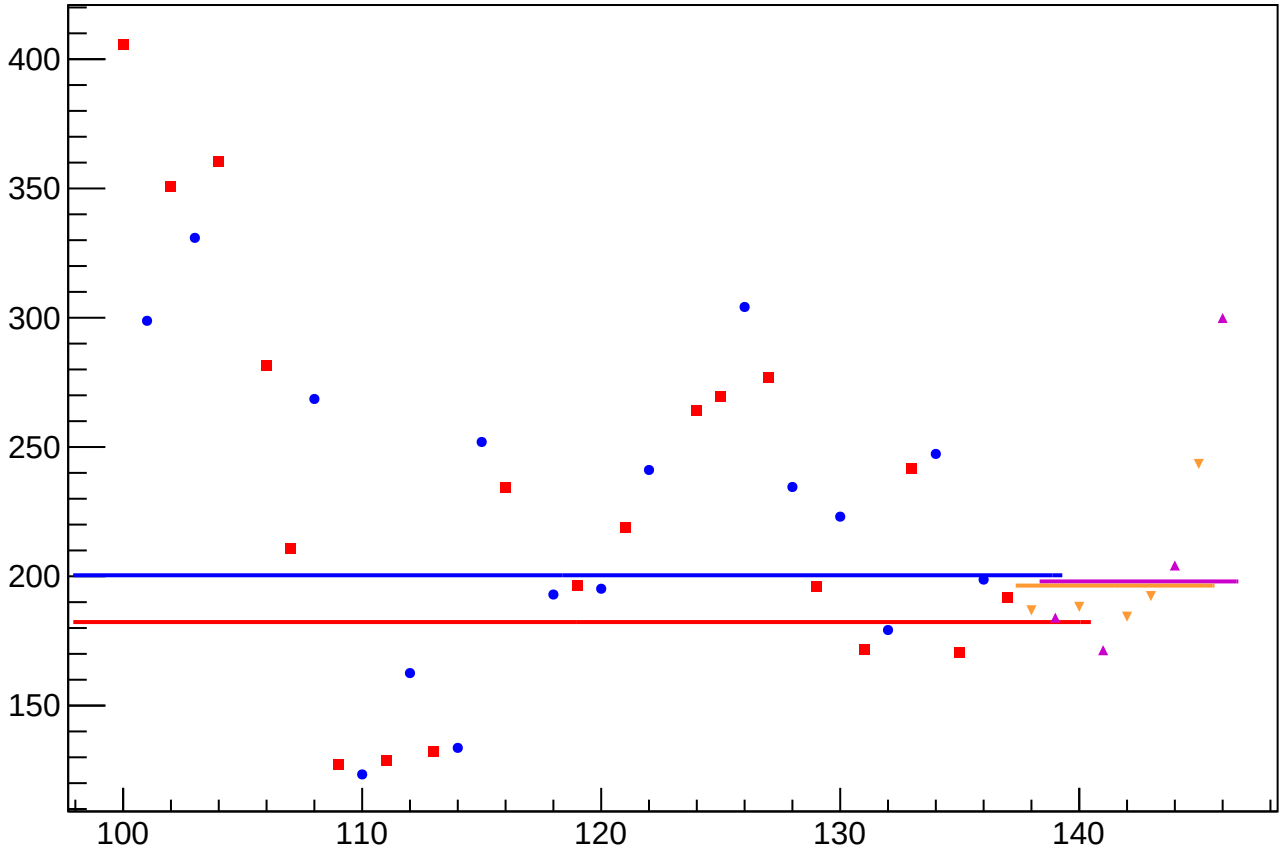
Left In: 261.624+/-108.319 χ^2/NDF:27.3/3

\+ sign 402.519+/-62.759 χ^2/NDF: 699.7/20

All: 630.136+/-43.253 χ^2/NDF: 1319.7/43

\- sign 836.070+/-59.695 χ^2/NDF: 594.9/22

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 196.410+/-0.074 χ^2/NDF:71100.0/4

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

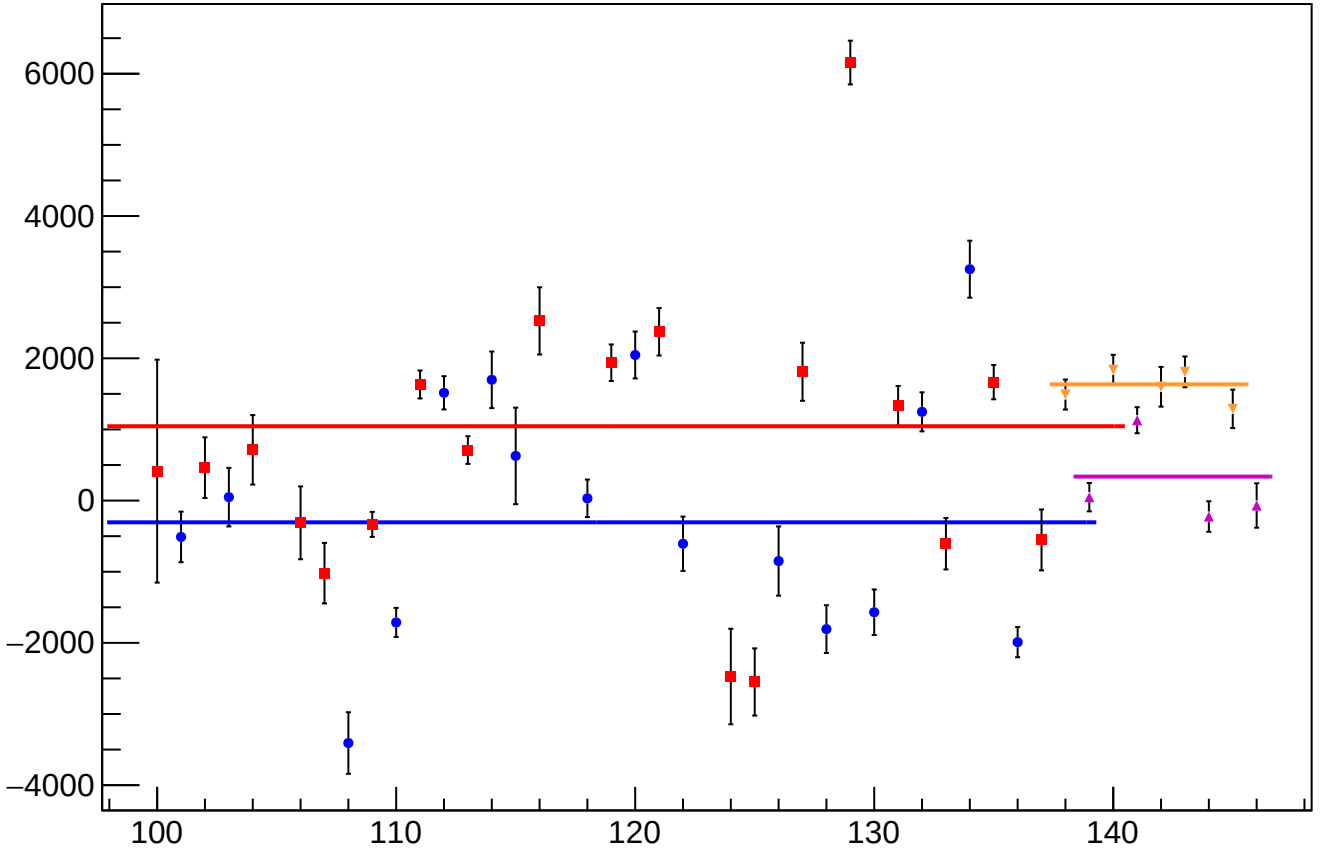
Left In: 198.015+/-0.077 χ^2/NDF:257364.3/3

+ sign 198.955+/-0.044 χ^2/NDF: 1031966.4/20

All: 192.718+/-0.031 χ^2/NDF: 2803467.0/43

- sign 187.074+/-0.042 χ^2/NDF: 1733868.7/22

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1633.650+/-103.723 χ^2/NDF:3.7/4

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

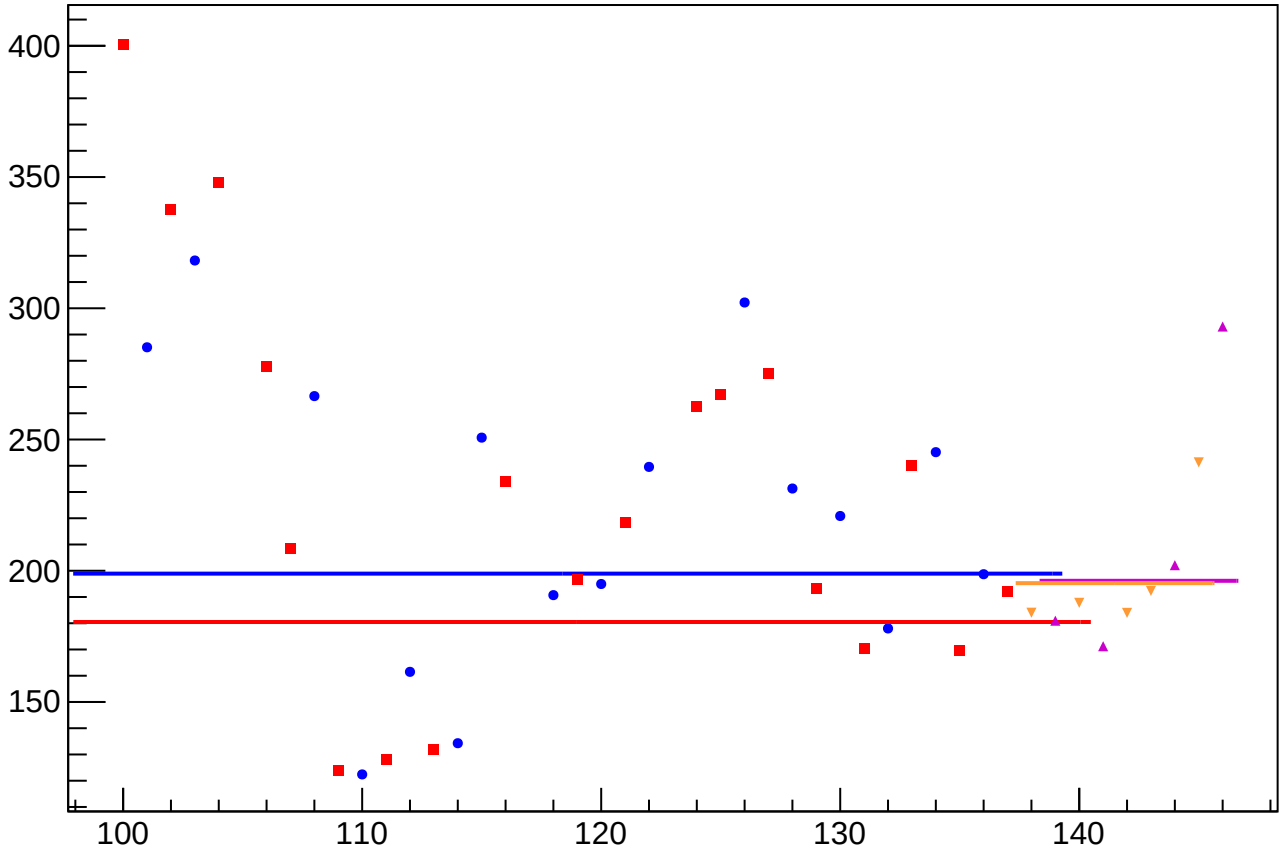
Left In: 337.320+/-107.252 χ^2/NDF:29.4/3

+ sign 393.376+/-62.273 χ^2/NDF: 679.1/20

All: 623.204+/-42.868 χ^2/NDF: 1316.8/43

- sign 830.214+/-59.101 χ^2/NDF: 611.9/22

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 195.272+/-0.073 χ^2/NDF:69998.0/4

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

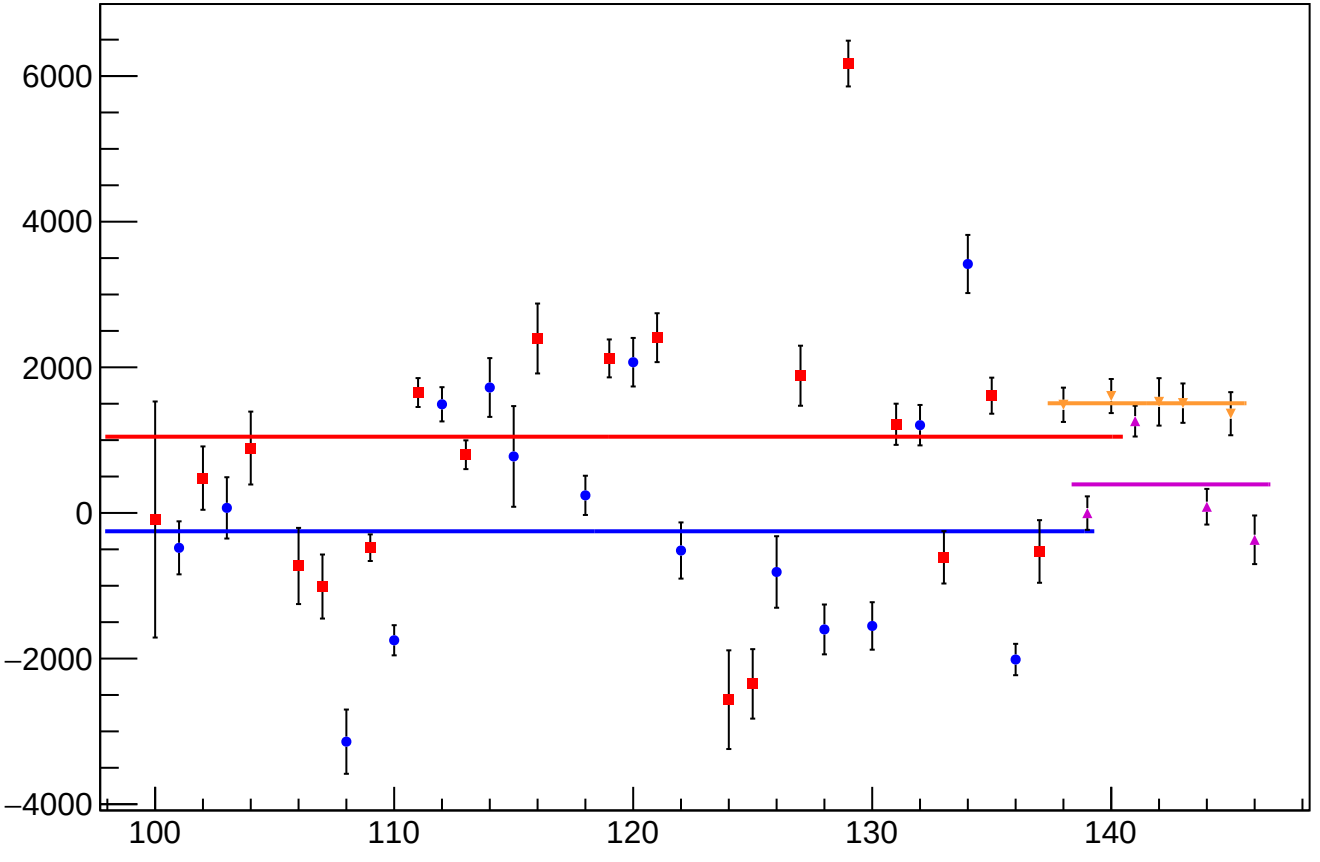
Left In: 196.170+/-0.076 χ^2/NDF:243003.7/3

+ sign 197.594+/-0.044 χ^2/NDF: 984330.0/20

All: 191.094+/-0.030 χ^2/NDF: 2733019.8/43

- sign 185.239+/-0.042 χ^2/NDF: 1707271.3/22

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1506.243+/-118.834 χ^2/NDF:0.4/4

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

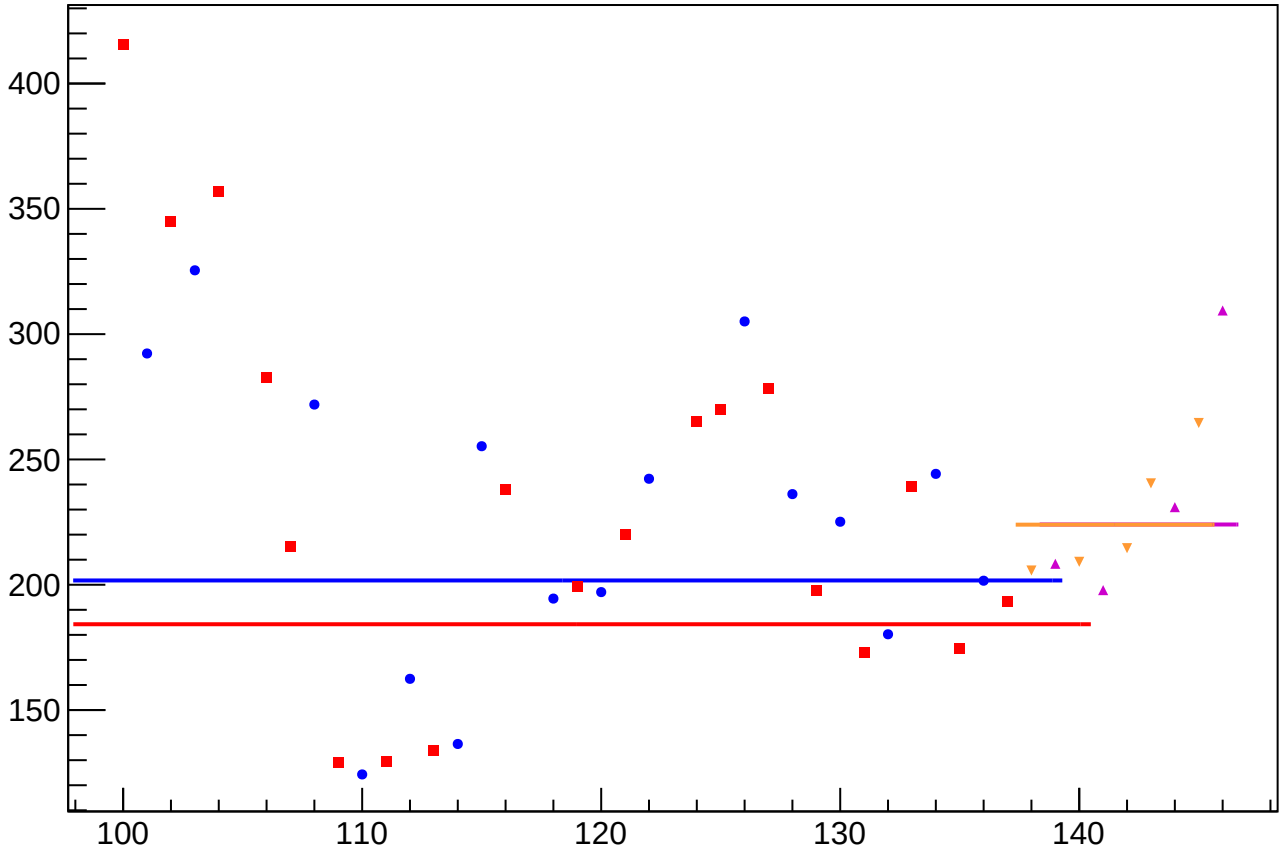
Left In: 392.099+/-122.262 χ^2/NDF:26.6/3

+ sign 286.787+/-65.774 χ^2/NDF: 593.5/20

All: 598.963+/-45.178 χ^2/NDF: 1230.7/43

- sign 877.800+/-62.163 χ^2/NDF: 594.6/22

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.978+/-0.084 χ^2/NDF:66774.5/4

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

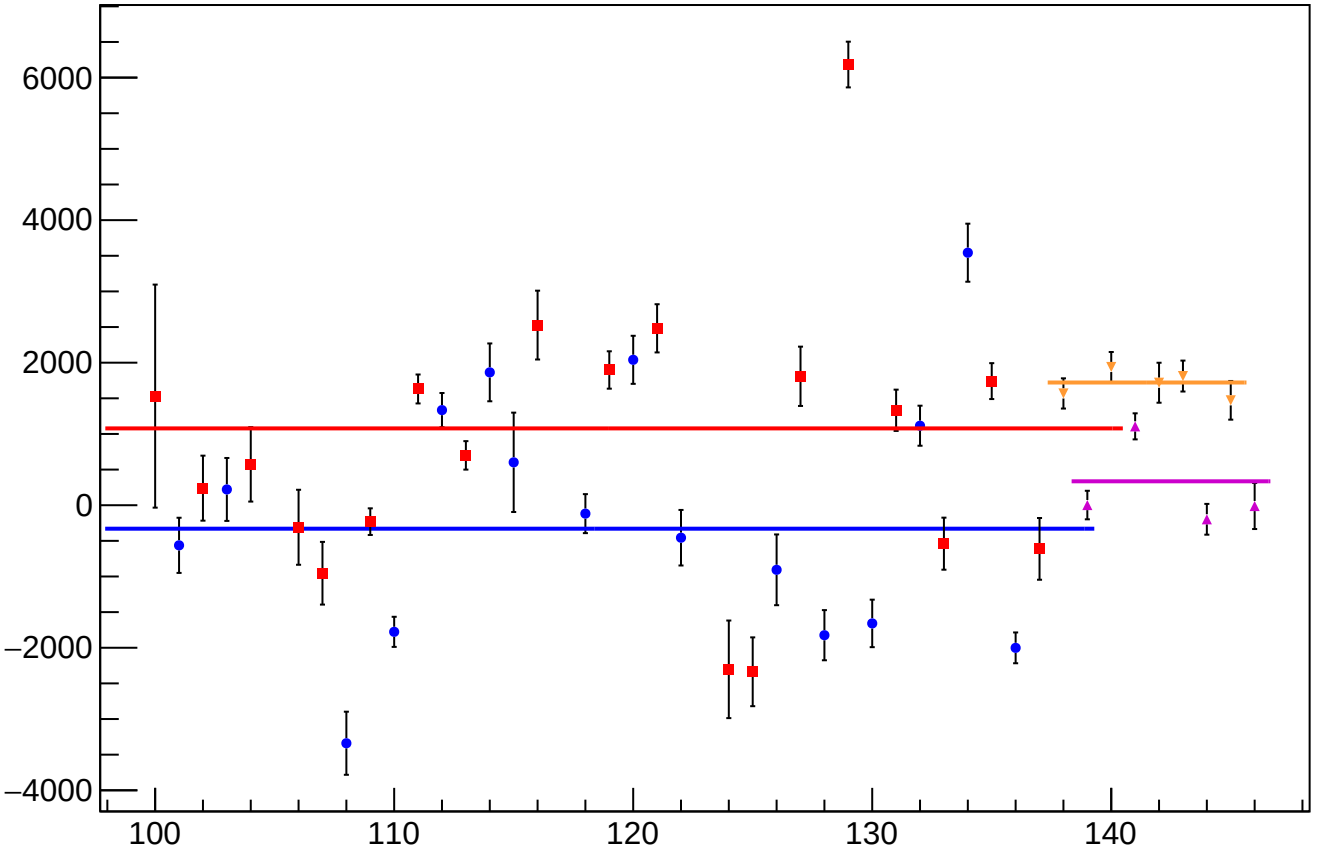
Left In: 224.044+/-0.086 χ^2/NDF:172277.1/3

+ sign 208.534+/-0.047 χ^2/NDF: 1039681.2/20

All: 201.139+/-0.032 χ^2/NDF: 2820747.2/43

- sign 194.533+/-0.044 χ^2/NDF: 1733193.9/22

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1721.815+/-104.029 χ^2/NDF:2.6/4

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

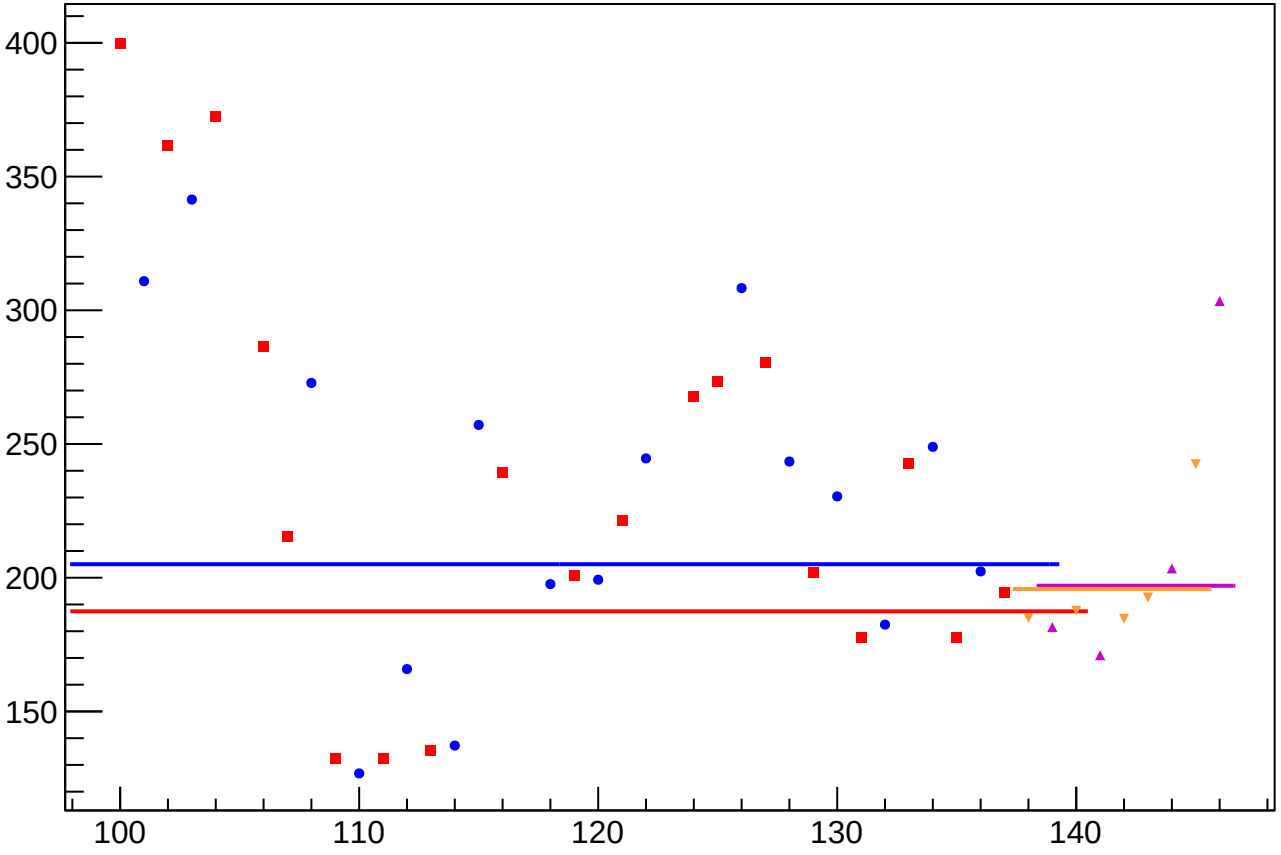
Left In: 335.546+/-107.904 χ^2/NDF:27.8/3

\+ sign 437.272+/-63.599 χ^2/NDF: 682.5/20

All: 649.633+/-43.908 χ^2/NDF: 1265.9/43

\- sign 843.027+/-60.692 χ^2/NDF: 562.1/22

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 195.766+/-0.074 χ^2/NDF:70946.1/4

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

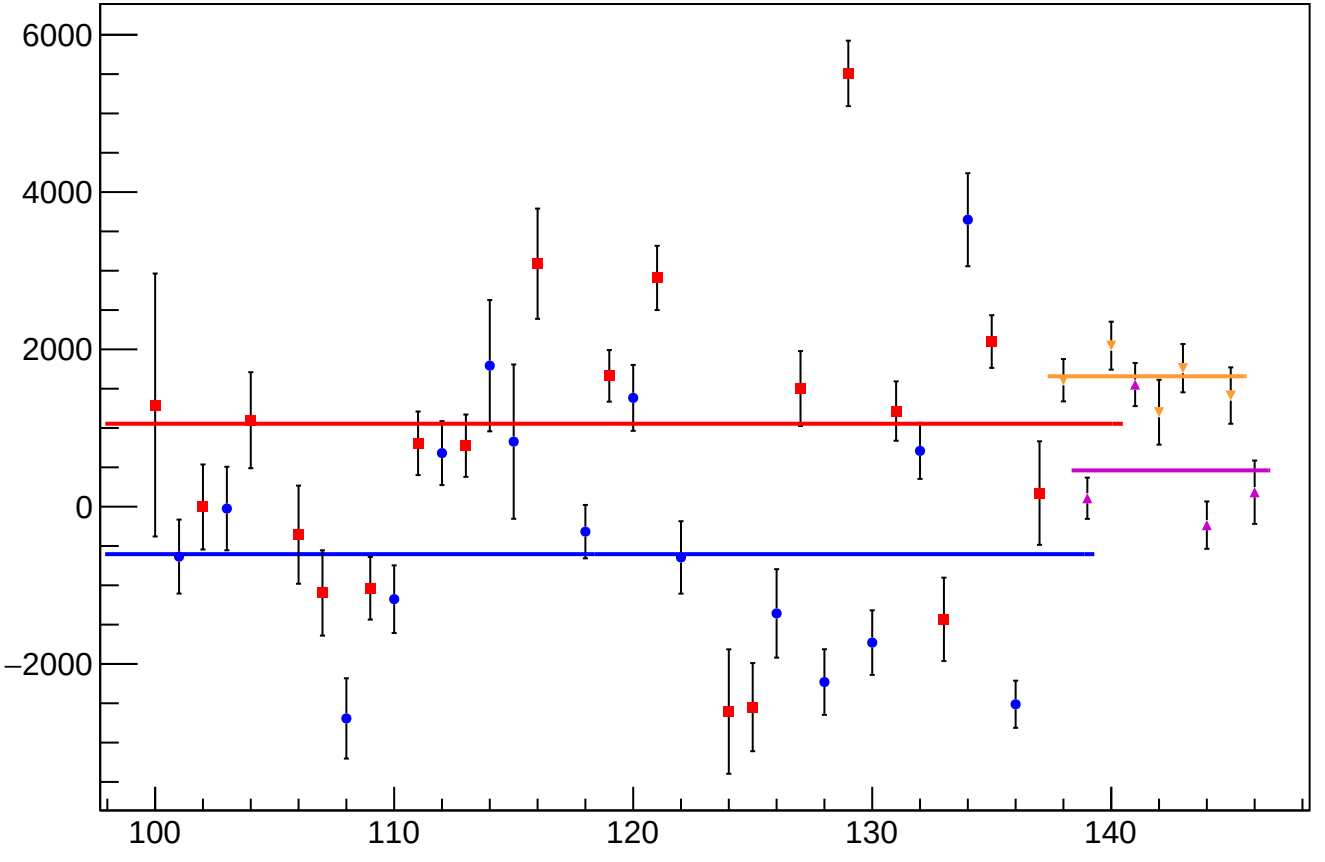
Left In: 197.004+/-0.076 χ^2/NDF:271752.6/3

+ sign 201.582+/-0.045 χ^2/NDF: 1043978.7/20

All: 195.761+/-0.031 χ^2/NDF: 2769307.5/43

- sign 190.460+/-0.043 χ^2/NDF: 1693314.8/22

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1657.554+/-143.122 χ^2/NDF:3.5/4

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

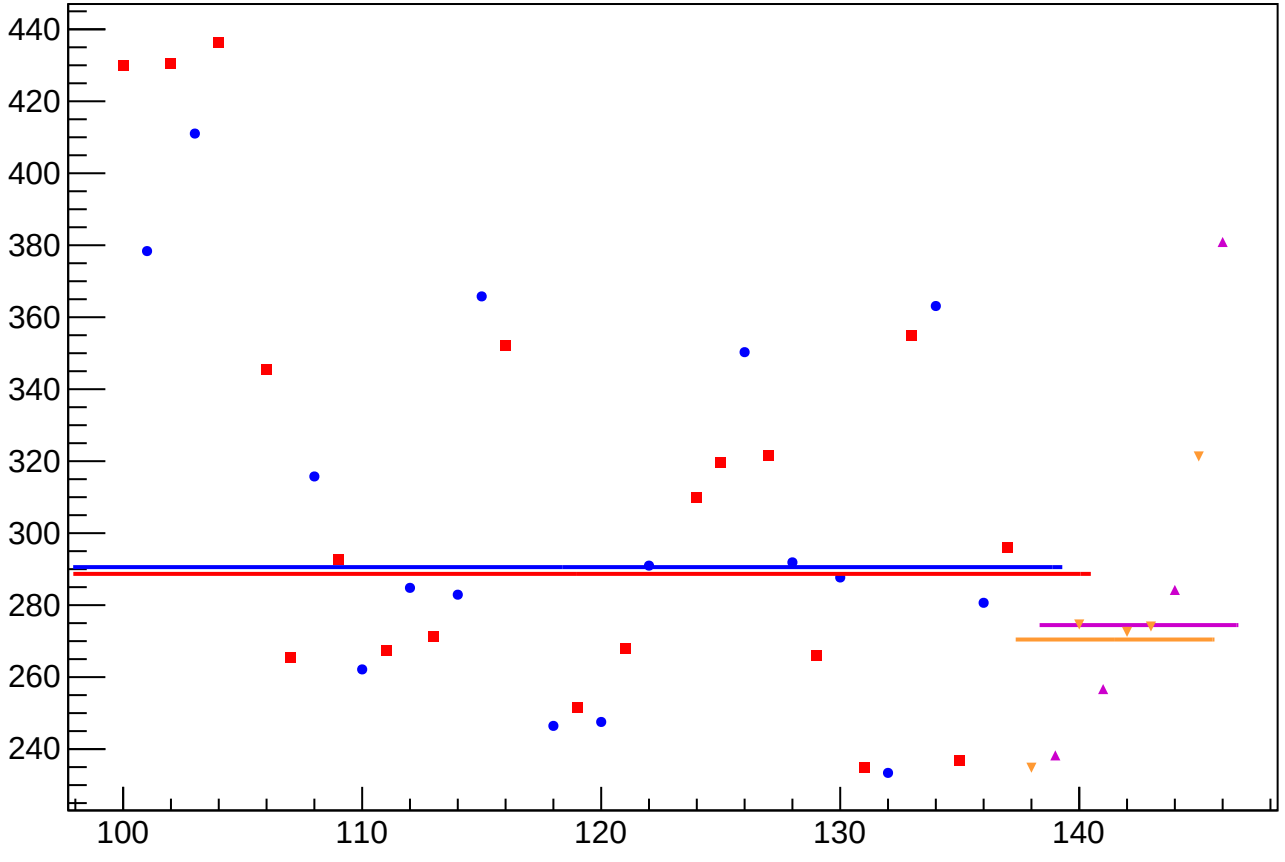
Left In: 461.280+/-148.939 χ^2/NDF:23.5/3

+ sign 242.555+/-87.560 χ^2/NDF: 353.2/20

All: 545.962+/-61.919 χ^2/NDF: 708.8/43

- sign 849.452+/-87.572 χ^2/NDF: 331.6/22

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 270.449+/-0.101 χ^2/NDF:75951.7/4

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

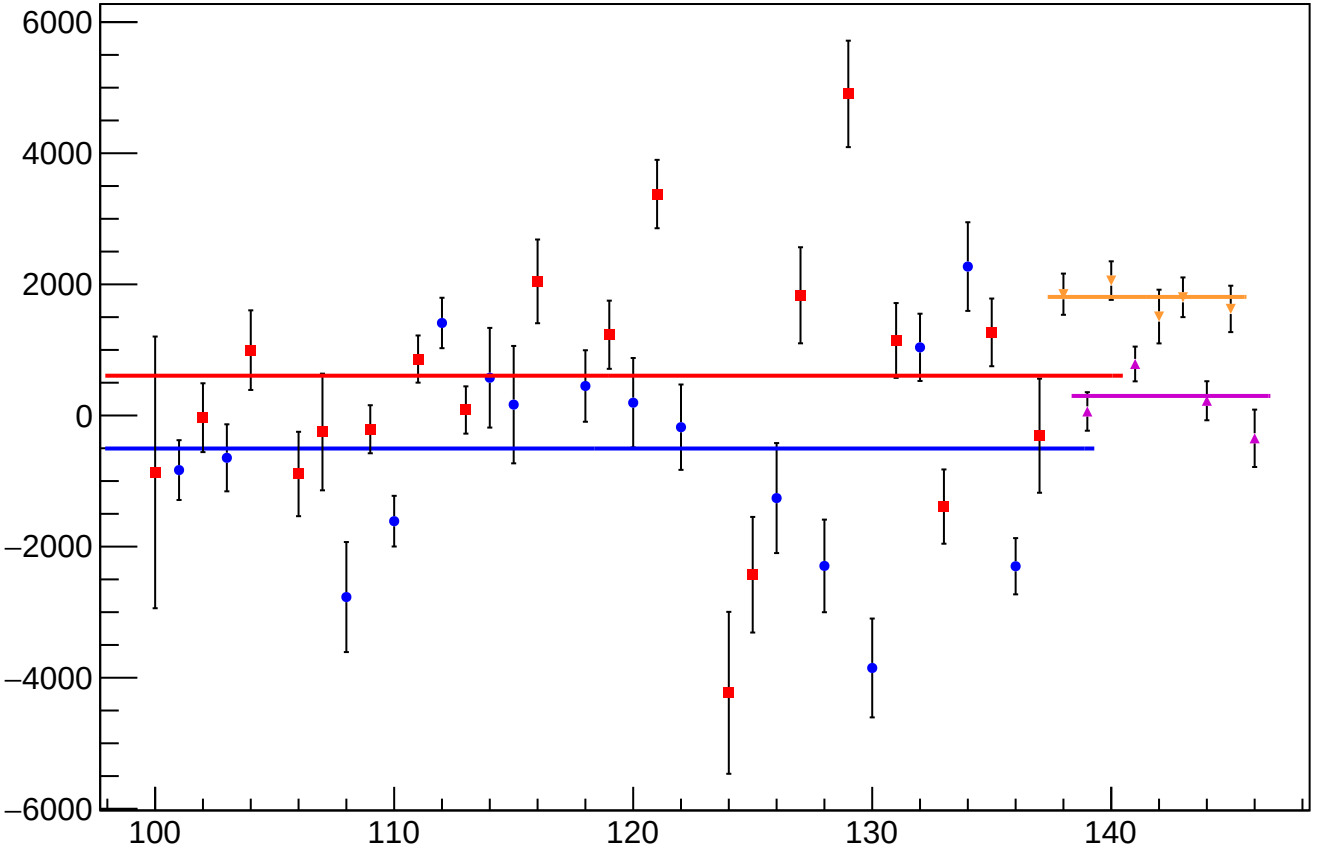
Left In: 274.458+/-0.105 χ^2/NDF:188395.1/3

+ sign 283.037+/-0.062 χ^2/NDF: 460482.9/20

All: 283.402+/-0.044 χ^2/NDF: 1149984.4/43

- sign 283.767+/-0.062 χ^2/NDF: 689431.9/22

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1808.390+/-146.574 χ^2/NDF:1.5/4

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

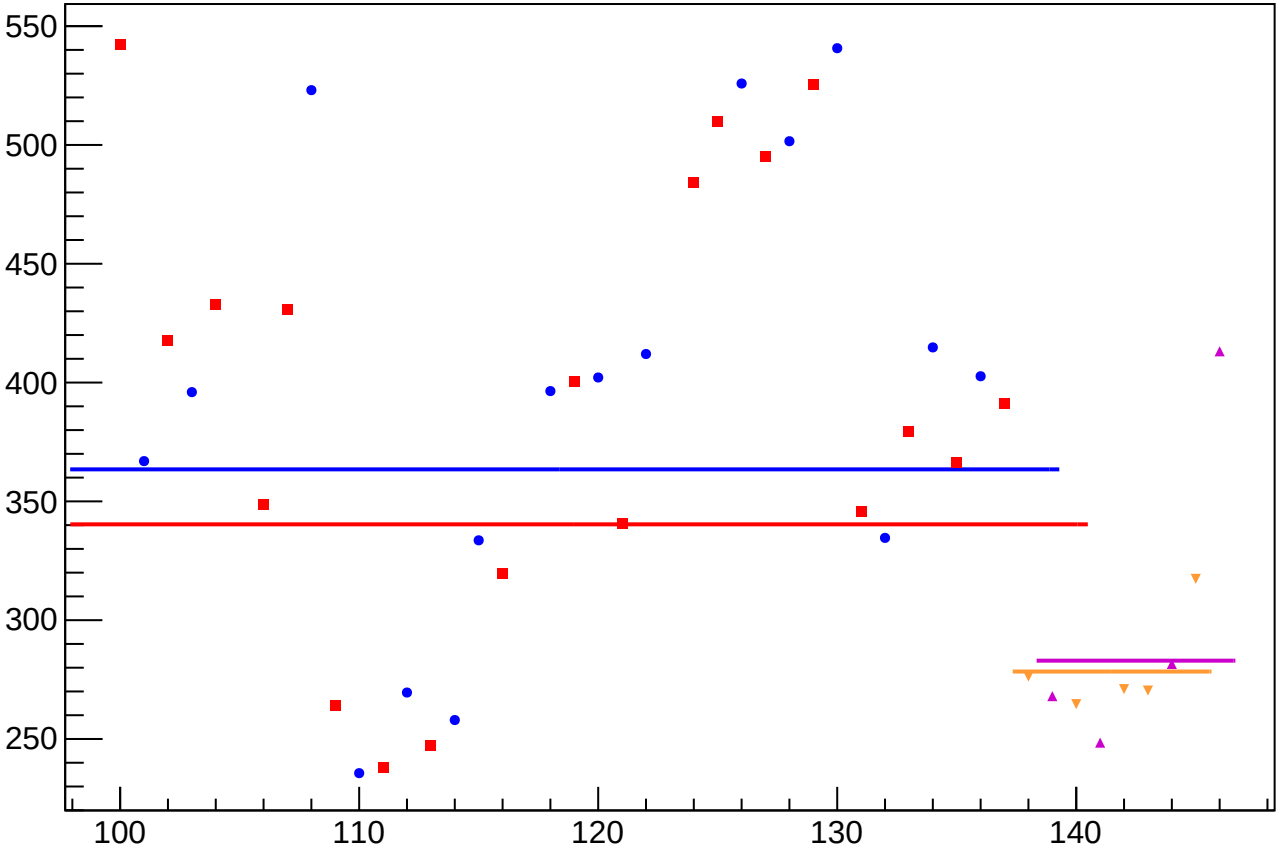
Left In: 298.228+/-153.720 χ^2/NDF:6.3/3

+ sign 599.824+/-101.261 χ^2/NDF: 249.8/20

All: 537.913+/-70.822 χ^2/NDF: 384.4/43

- sign 478.631+/-99.088 χ^2/NDF: 133.8/22

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 278.383+/-0.104 χ^2/NDF:30799.1/4

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

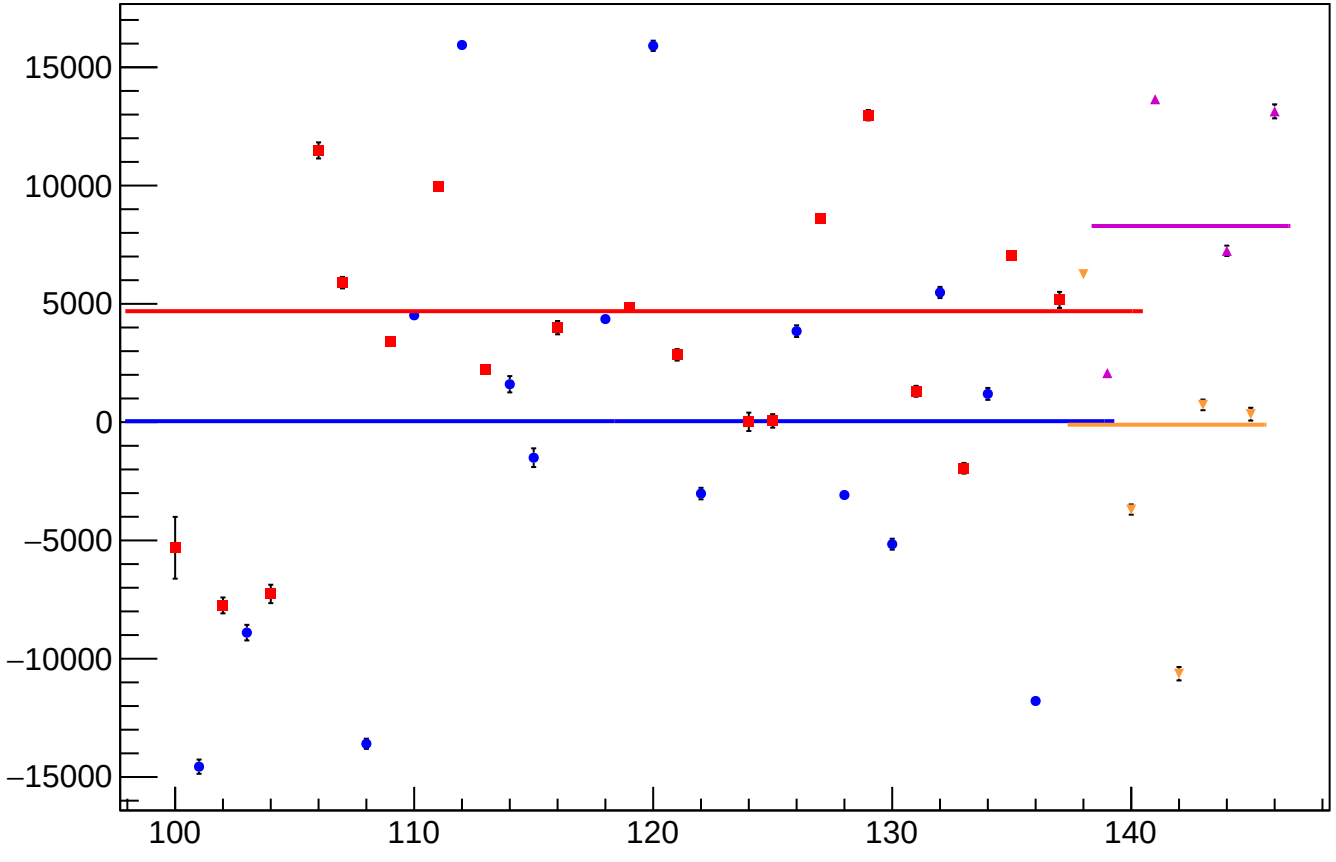
Left In: 282.964+/-0.109 χ^2/NDF:216176.4/3

+ sign 322.861+/-0.072 χ^2/NDF: 1163998.5/20

All: 319.609+/-0.050 χ^2/NDF: 2403257.5/43

- sign 316.495+/-0.070 χ^2/NDF: 1235221.3/22

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -108.420+/-102.163 χ^2/NDF:2827.6/4

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

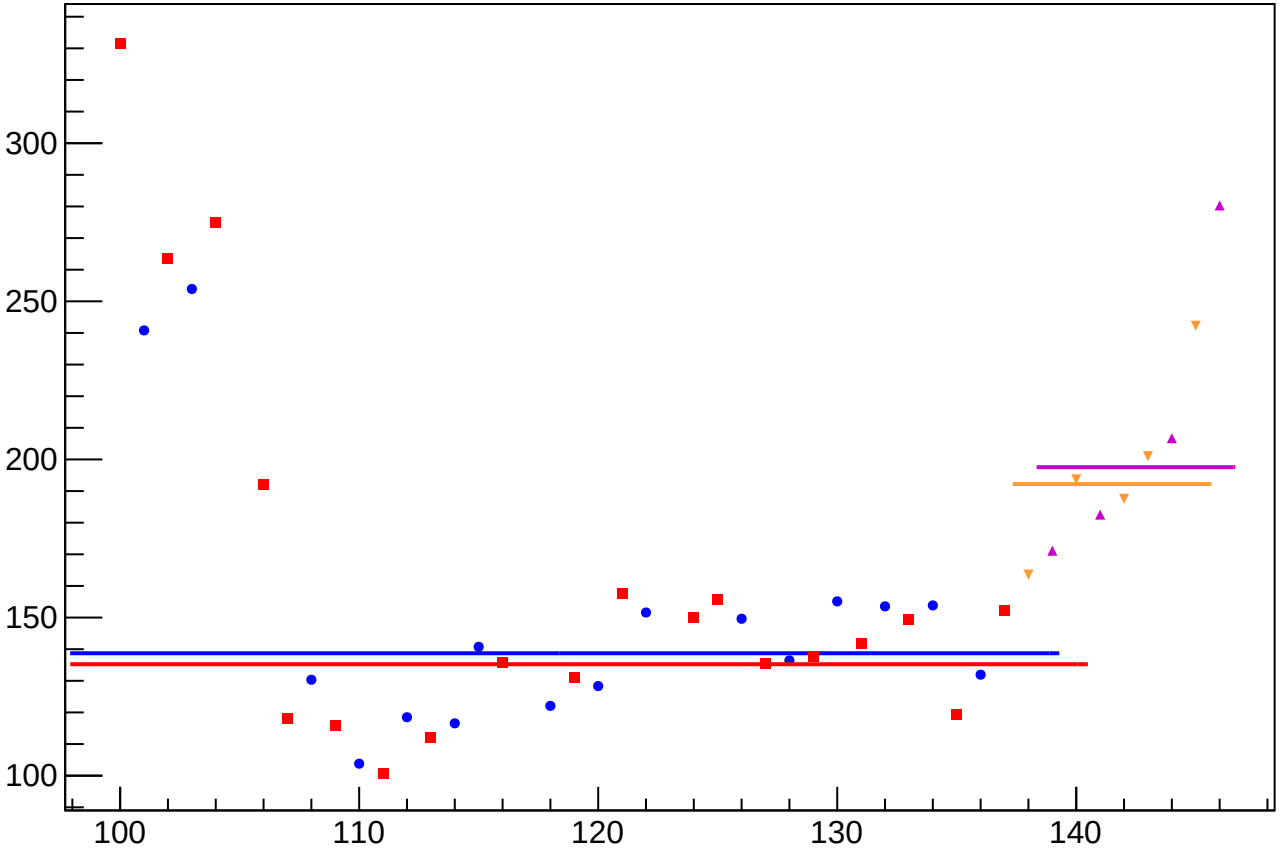
Left In: 8290.564+/-107.557 χ^2/NDF:2126.6/3

+ sign 8.116+/-47.878 χ^2/NDF: 33615.6/20

All: 2747.259+/-33.498 χ^2/NDF: 50857.3/43

- sign 5373.931+/-46.885 χ^2/NDF: 10830.1/22

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 192.202+/-0.072 χ^2/NDF:119068.6/4

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

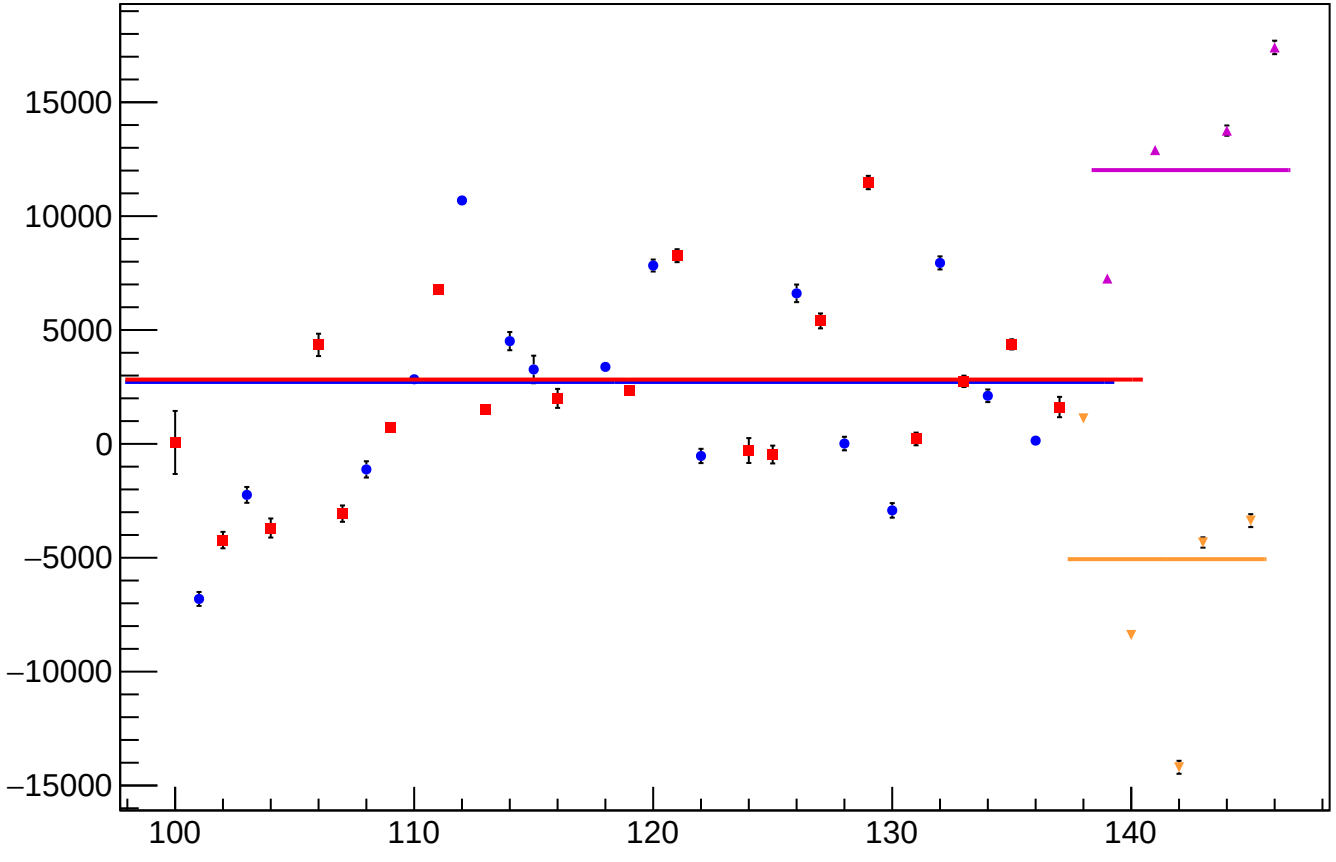
Left In: 197.562+/-0.076 χ^2/NDF:210445.2/3

+ sign 150.460+/-0.034 χ^2/NDF: 1204705.6/20

All: 148.738+/-0.024 χ^2/NDF: 2854040.6/43

- sign 147.086+/-0.033 χ^2/NDF: 1644266.0/22

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5061.976+/-106.143 χ^2/NDF:2206.3/4

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

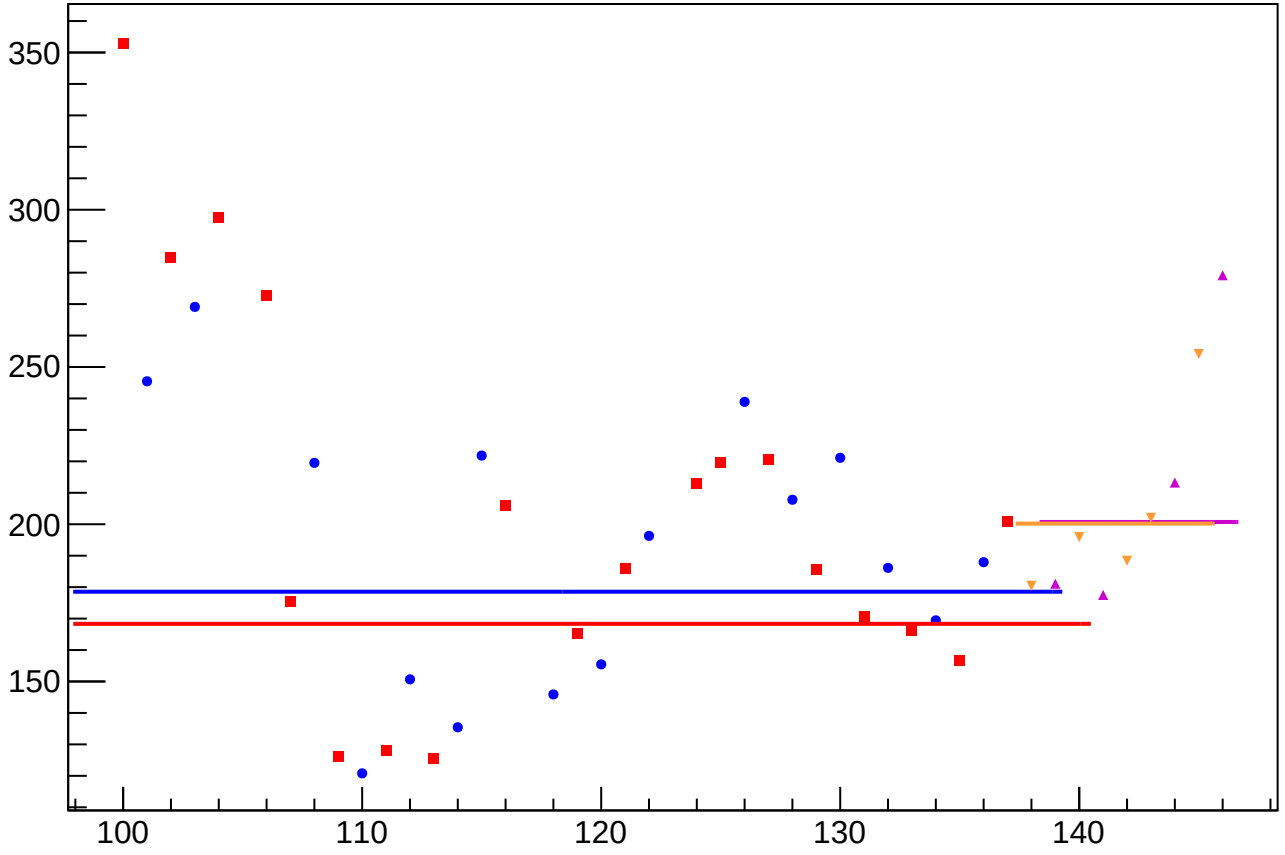
Left In: 12020.892+/-109.141 χ^2/NDF:981.0/3

\+ sign 396.639+/-57.996 χ^2/NDF: 10105.9/20

All: 2905.329+/-40.192 χ^2/NDF: 22998.0/43

\- sign 5223.540+/-55.751 χ^2/NDF: 9292.1/22

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.204+/-0.075 χ^2/NDF:94946.8/4

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

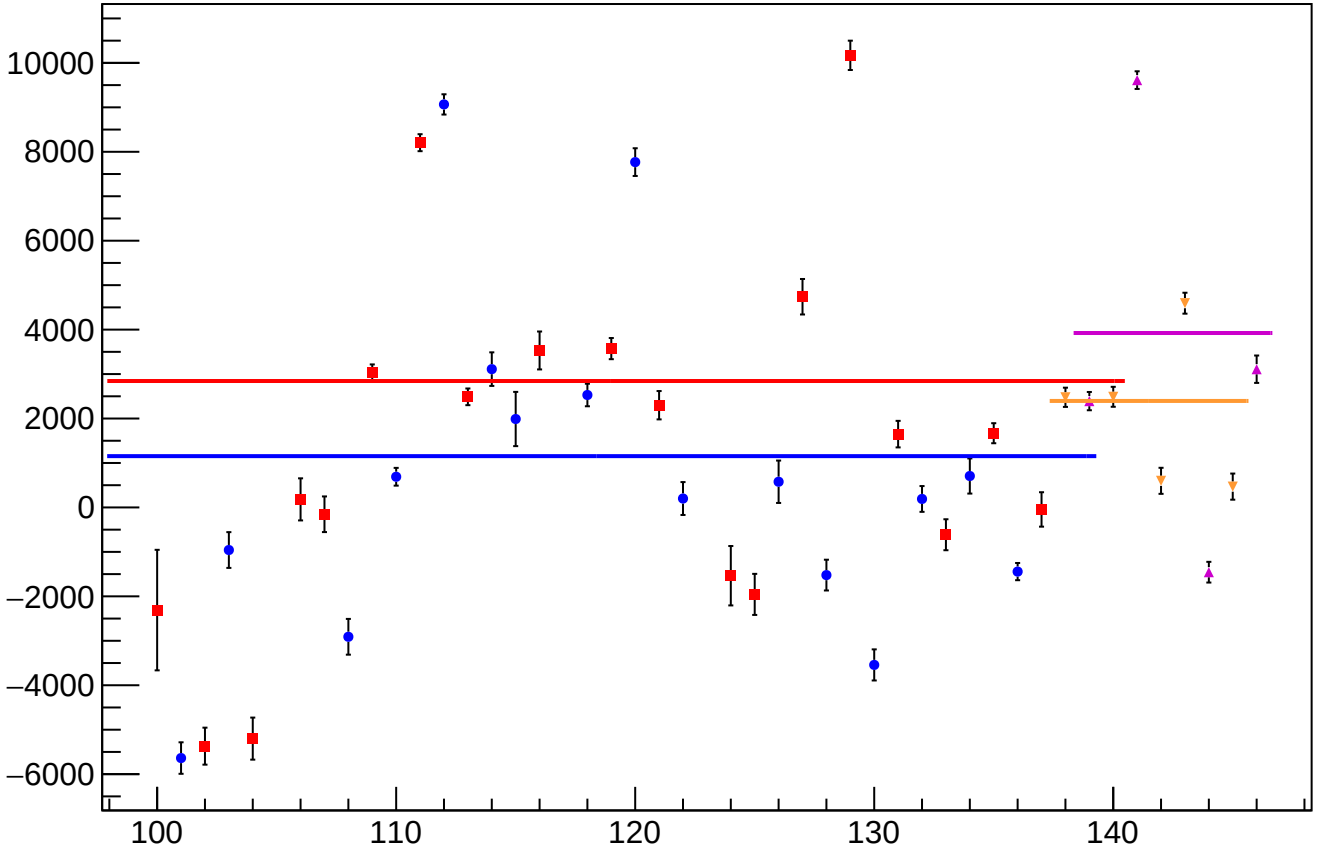
Left In: 200.724+/-0.077 χ^2/NDF:195687.4/3

+ sign 185.009+/-0.041 χ^2/NDF: 827950.3/20

All: 180.735+/-0.028 χ^2/NDF: 2154195.6/43

- sign 176.786+/-0.039 χ^2/NDF: 1305351.9/22

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2395.439+/-110.109 χ^2/NDF:168.2/4

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

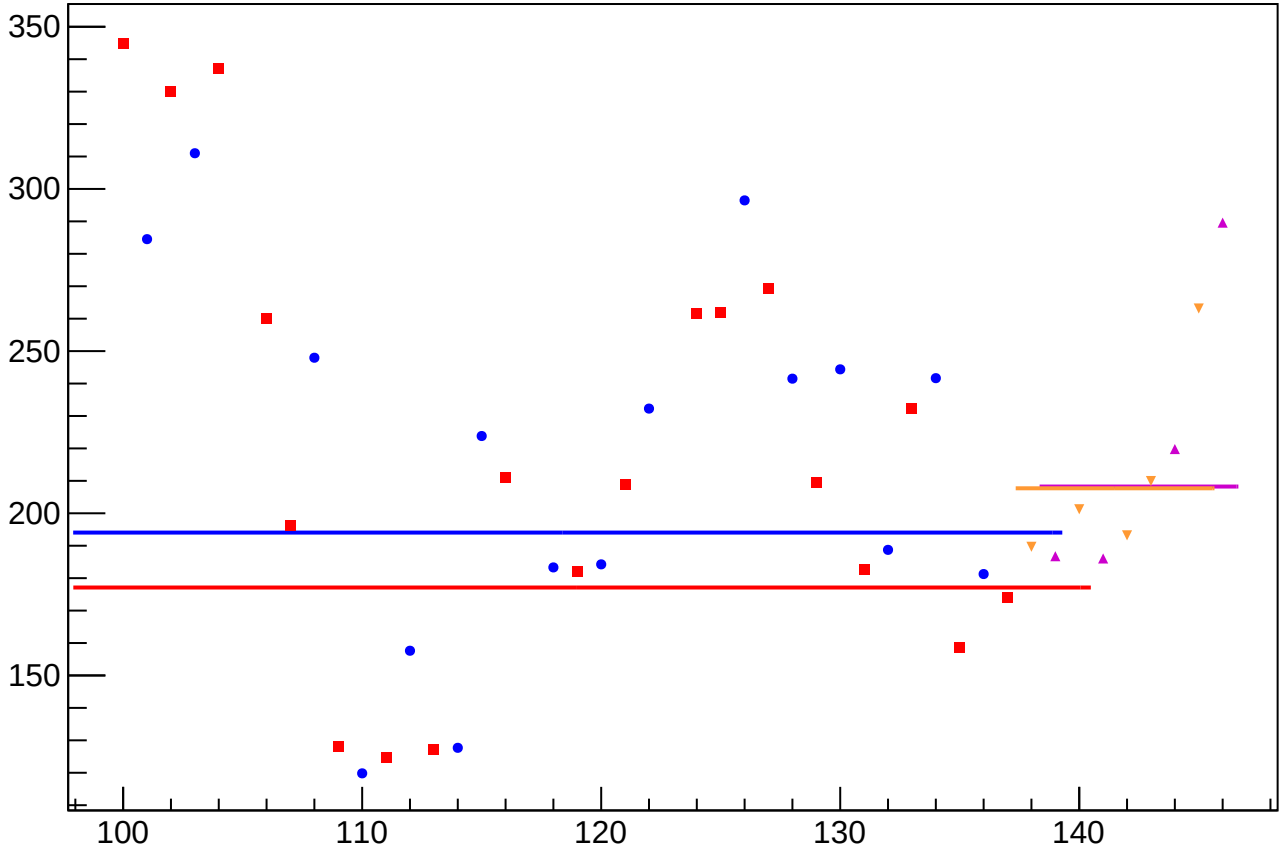
Left In: 3923.686+/-113.245 χ^2/NDF:1415.5/3

+ sign 1554.161+/-62.523 χ^2/NDF: 2909.7/20

All: 2391.342+/-42.915 χ^2/NDF: 7183.5/43

- sign 3137.090+/-59.010 χ^2/NDF: 3934.8/22

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 207.705+/-0.078 χ^2/NDF:91838.9/4

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

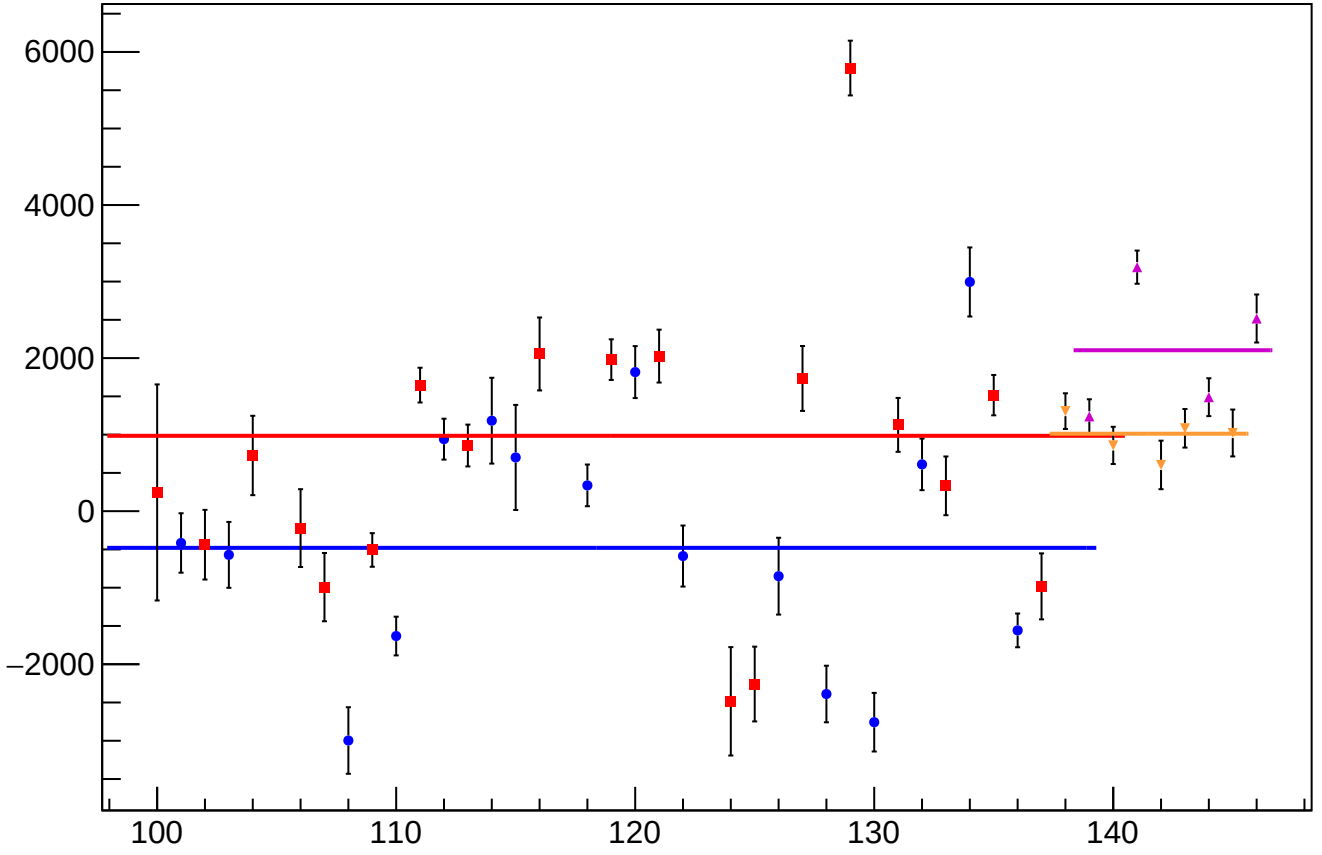
Left In: 208.245+/-0.080 χ^2/NDF:191187.6/3

+ sign 198.455+/-0.044 χ^2/NDF: 1078458.1/20

All: 191.639+/-0.030 χ^2/NDF: 2784023.0/43

- sign 185.568+/-0.042 χ^2/NDF: 1660626.7/22

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1012.099+/-118.099 χ^2/NDF:3.7/4

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

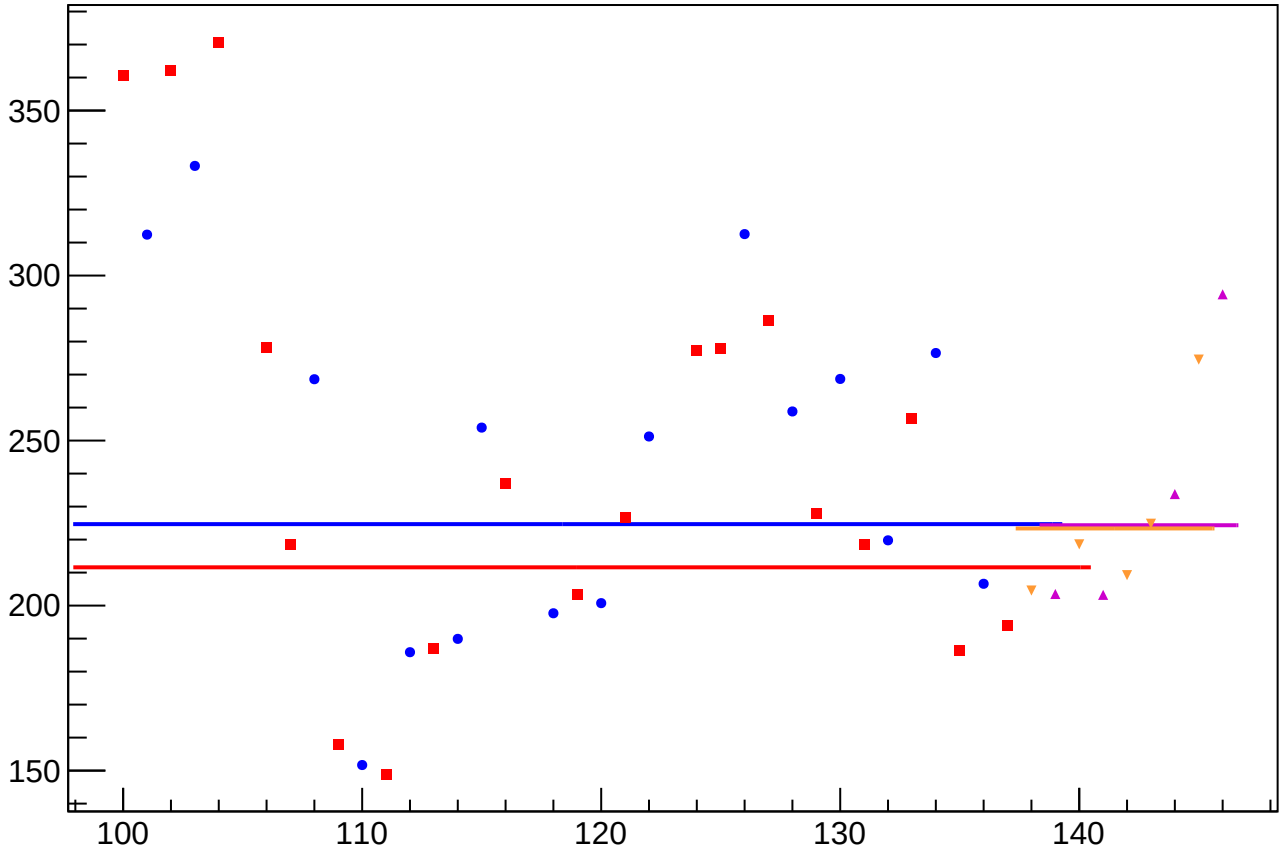
Left In: 2102.702+/-121.497 χ^2/NDF:47.9/3

+ sign 42.878+/-69.881 χ^2/NDF: 412.8/20

All: 709.128+/-48.499 χ^2/NDF: 1092.9/43

- sign 1328.252+/-67.364 χ^2/NDF: 504.7/22

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 223.377+/-0.084 χ^2/NDF:73723.1/4

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

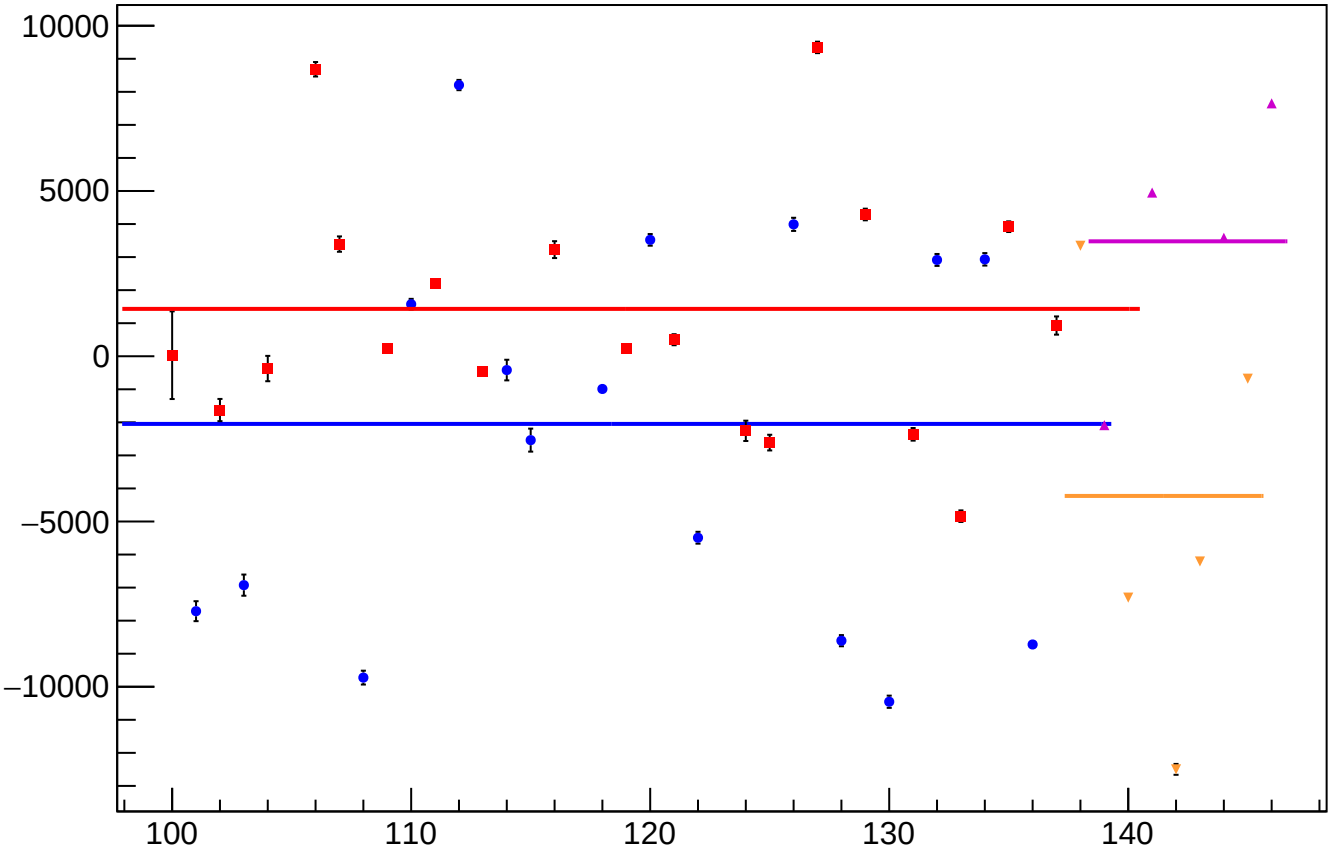
Left In: 224.349+/-0.086 χ^2/NDF:138649.8/3

+ sign 224.225+/-0.049 χ^2/NDF: 727075.4/20

All: 219.711+/-0.034 χ^2/NDF: 1829995.8/43

- sign 215.516+/-0.048 χ^2/NDF: 1086817.0/22

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4226.315+/-60.029 χ^2/NDF:7508.8/4

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

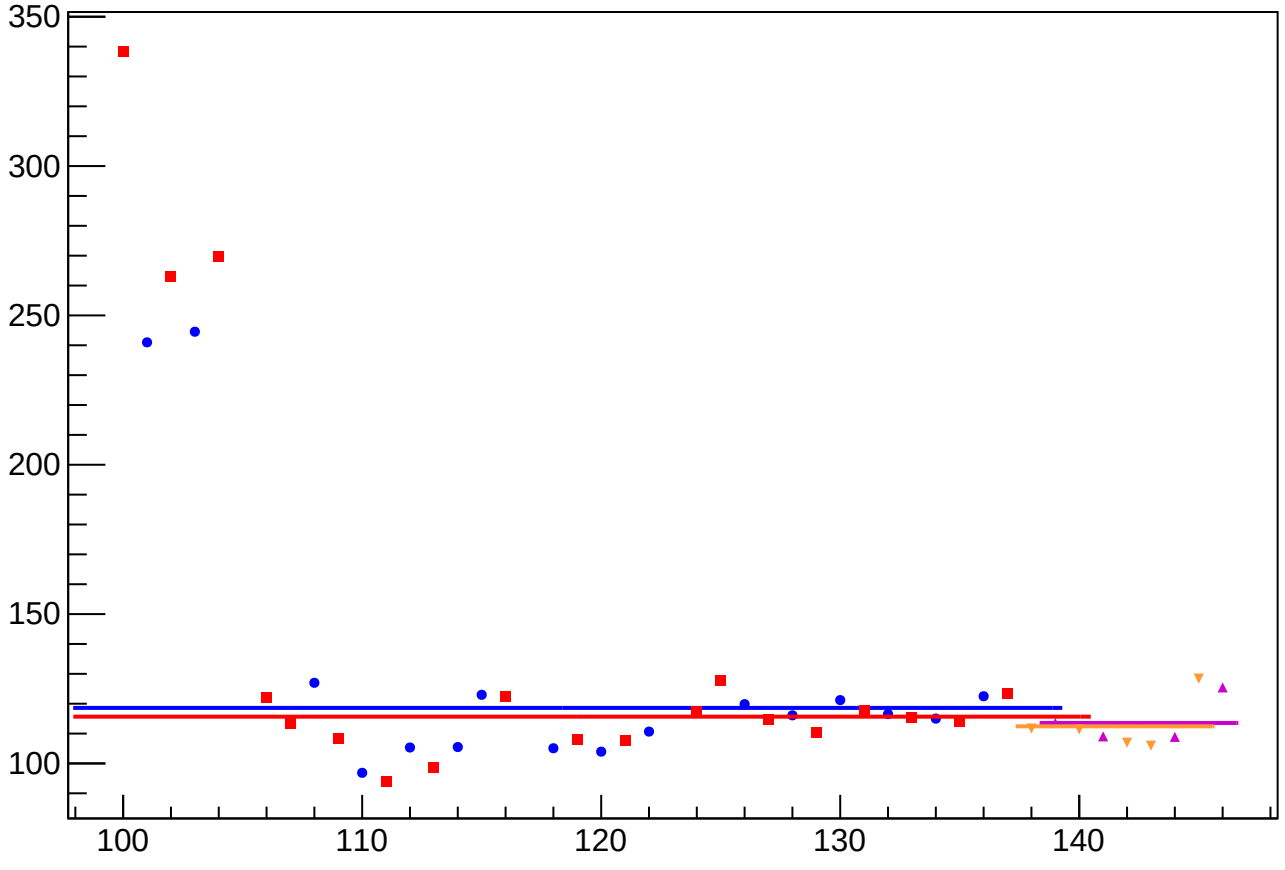
Left In: 3477.145+/-61.589 χ^2/NDF:3061.2/3

+ sign -2869.314+/-36.870 χ^2/NDF: 25038.5/20

All: -318.740+/-25.828 χ^2/NDF: 44605.0/43

- sign 2138.799+/-36.192 χ^2/NDF: 10170.2/22

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 112.422+/-0.042 χ^2/NDF:32545.2/4

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

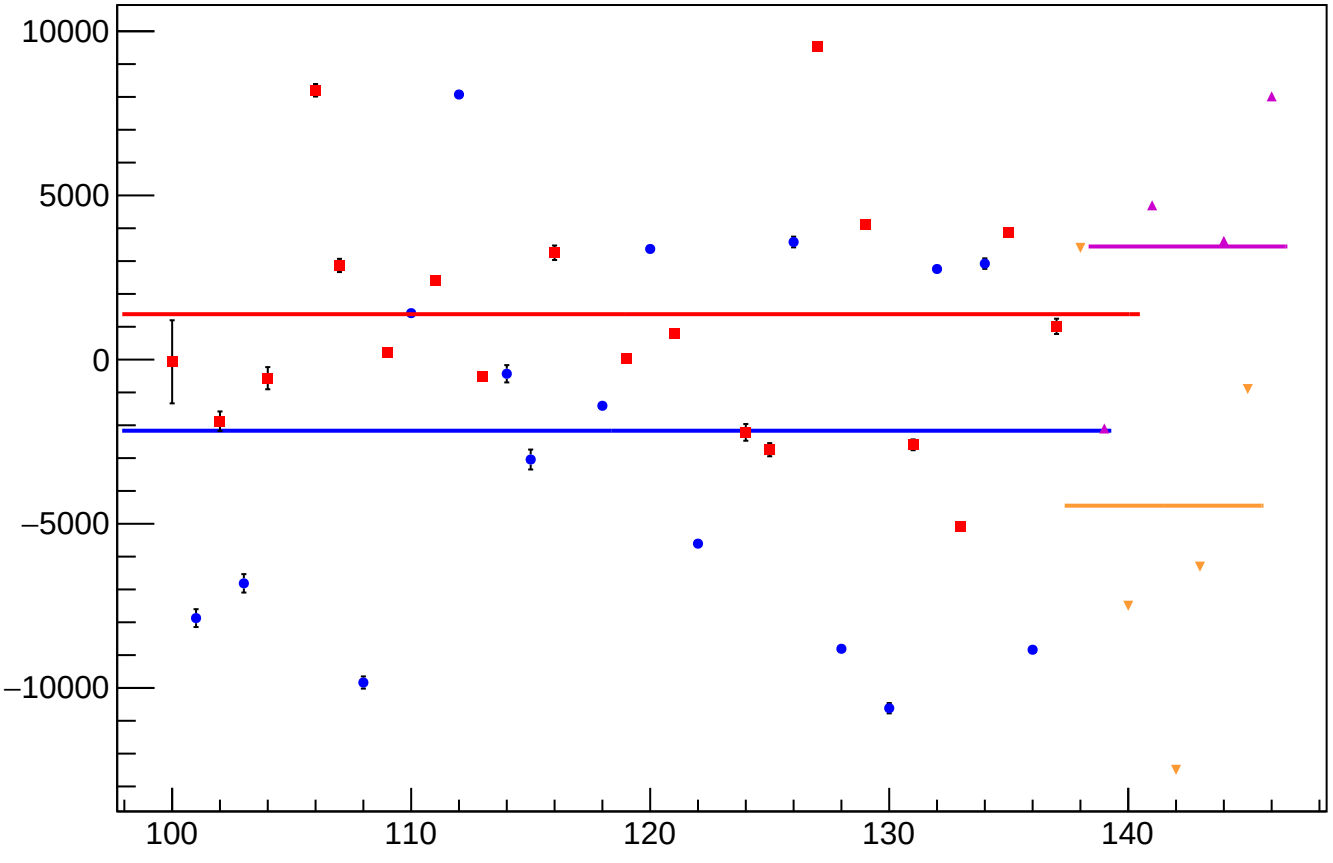
Left In: 113.549+/-0.044 χ^2/NDF:21891.7/3

+ sign 116.267+/-0.026 χ^2/NDF: 779880.1/20

All: 115.586+/-0.018 χ^2/NDF: 1668852.1/43

- sign 114.931+/-0.026 χ^2/NDF: 887635.3/22

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4448.578+/-55.215 χ^2/NDF:9031.1/4

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

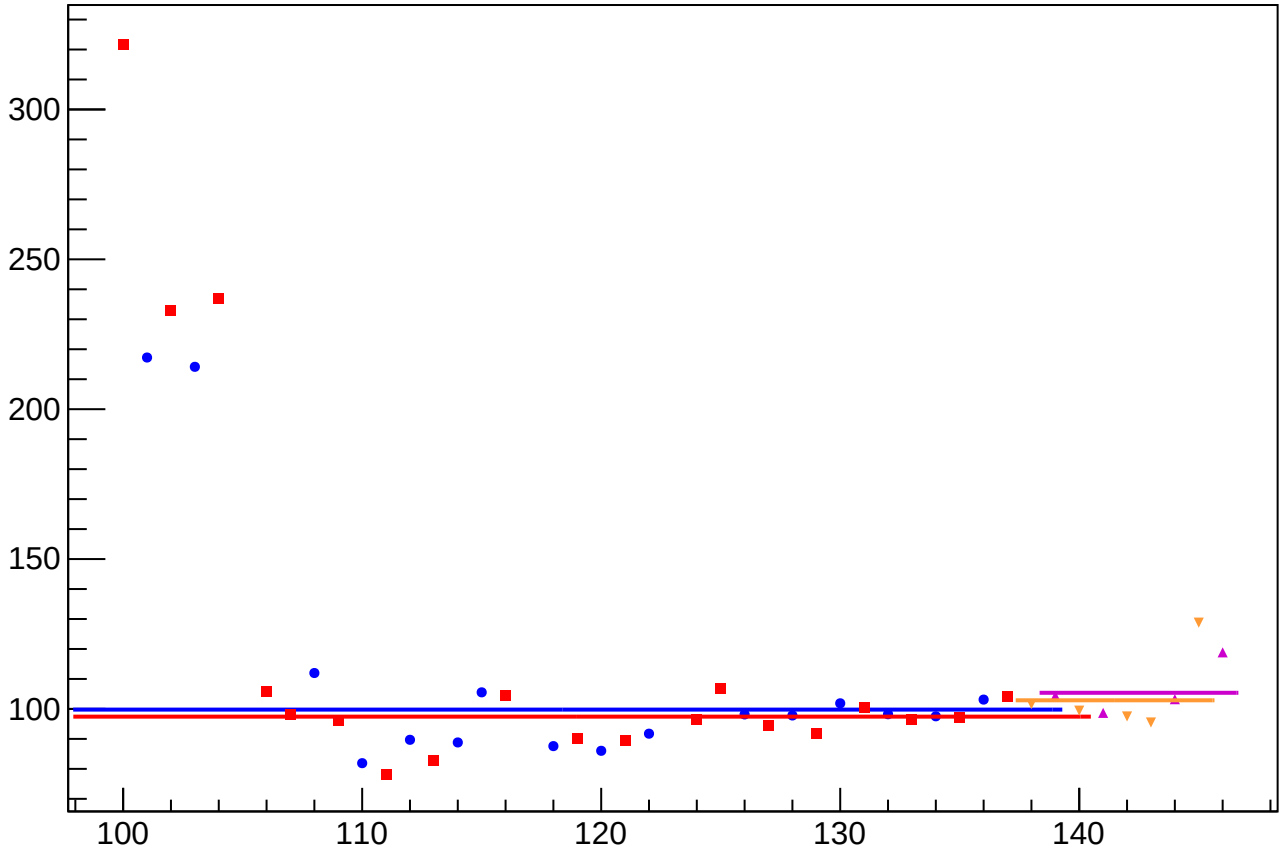
Left In: 3444.826+/-57.253 χ^2/NDF:3707.6/3

\+ sign -2942.049+/-32.197 χ^2/NDF: 33033.9/20

All: -421.848+/-22.570 χ^2/NDF: 58837.3/43

\- sign 2013.035+/-31.647 χ^2/NDF: 13756.7/22

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.877+/-0.039 χ^2/NDF:77592.8/4

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

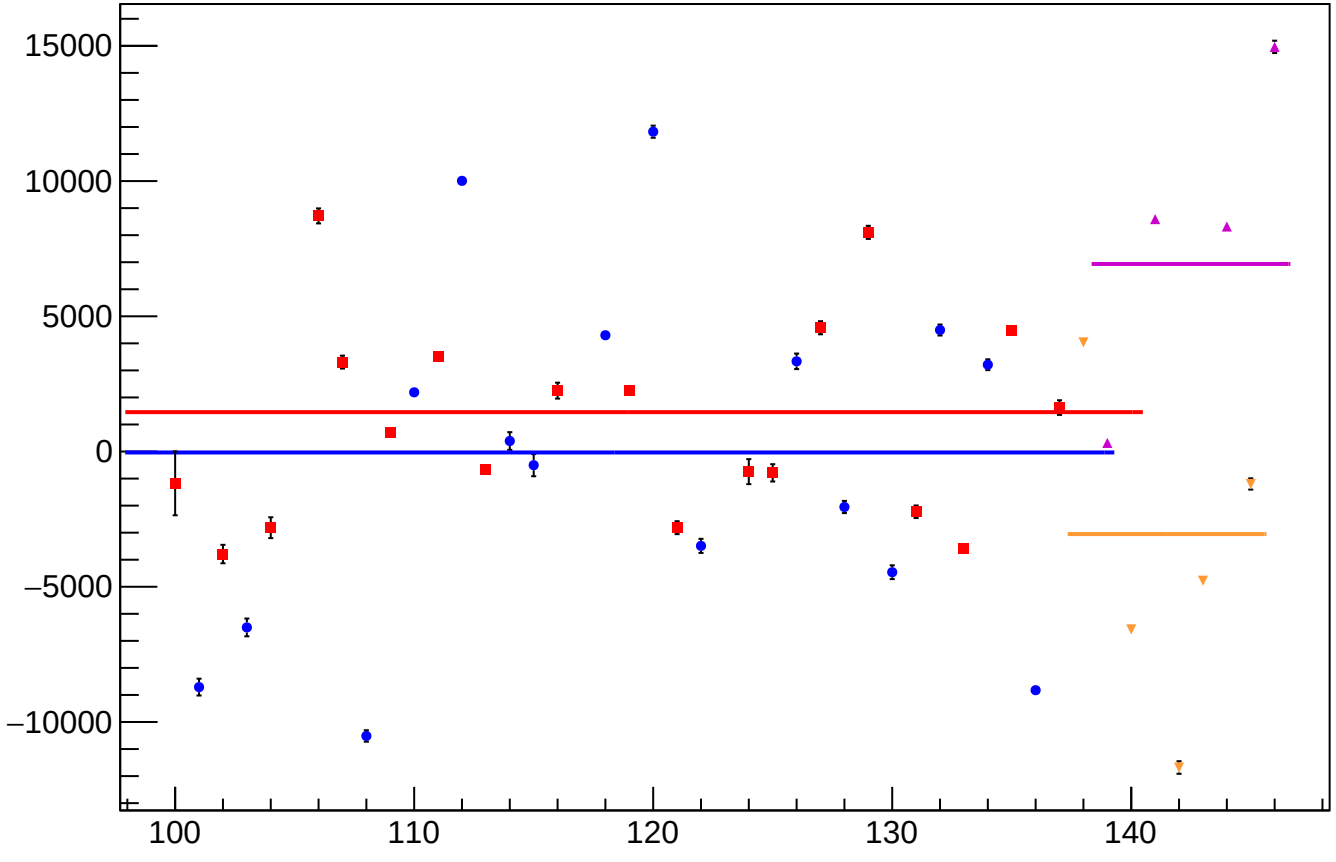
Left In: 105.383+/-0.040 χ^2/NDF:31436.7/3

+ sign 100.829+/-0.023 χ^2/NDF: 890911.8/20

All: 100.335+/-0.016 χ^2/NDF: 1876139.1/43

- sign 99.858+/-0.022 χ^2/NDF: 984302.0/22

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3051.798+/-81.263 χ^2/NDF:4063.1/4

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

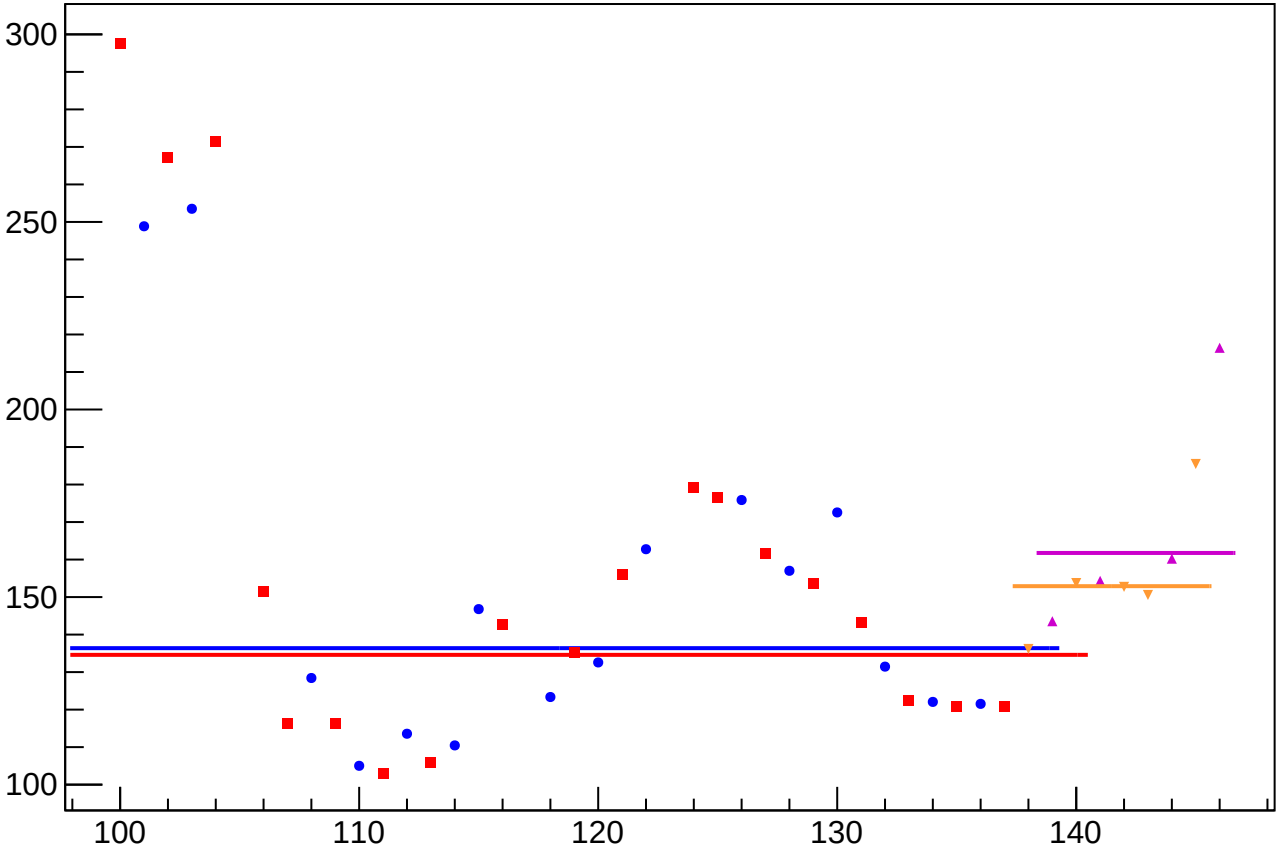
Left In: 6935.647+/-87.851 χ^2/NDF:3124.9/3

+ sign -946.143+/-44.665 χ^2/NDF: 21828.0/20

All: 962.847+/-31.600 χ^2/NDF: 35609.3/43

- sign 2876.017+/-44.714 χ^2/NDF: 10123.9/22

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 152.906+/-0.057 χ^2/NDF:72765.5/4

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

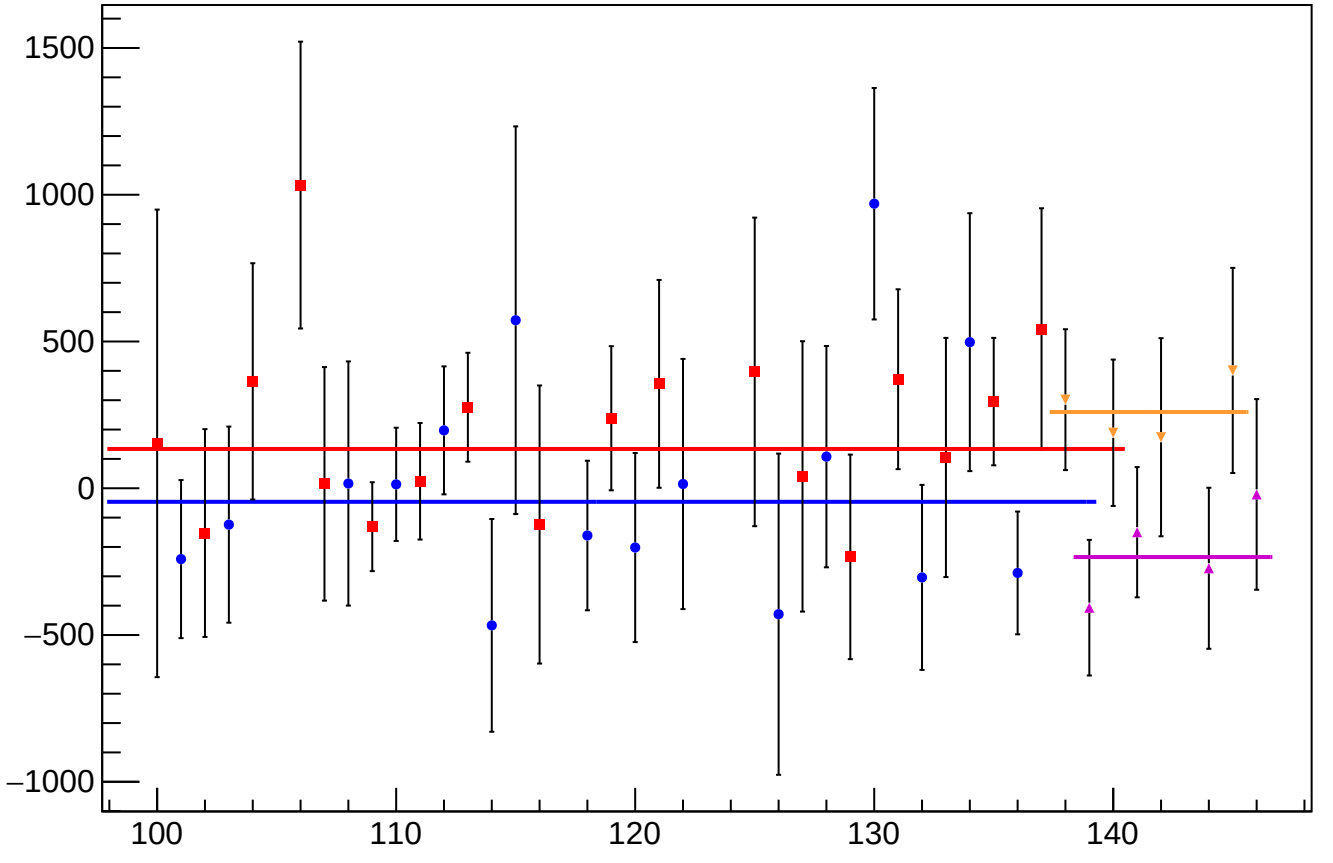
Left In: 161.761+/-0.062 χ^2/NDF:144493.8/3

+ sign 141.375+/-0.032 χ^2/NDF: 927325.6/20

All: 141.505+/-0.022 χ^2/NDF: 2133127.6/43

- sign 141.635+/-0.032 χ^2/NDF: 1205768.1/22

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 259.763+/-140.841 χ^2/NDF:0.3/3

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

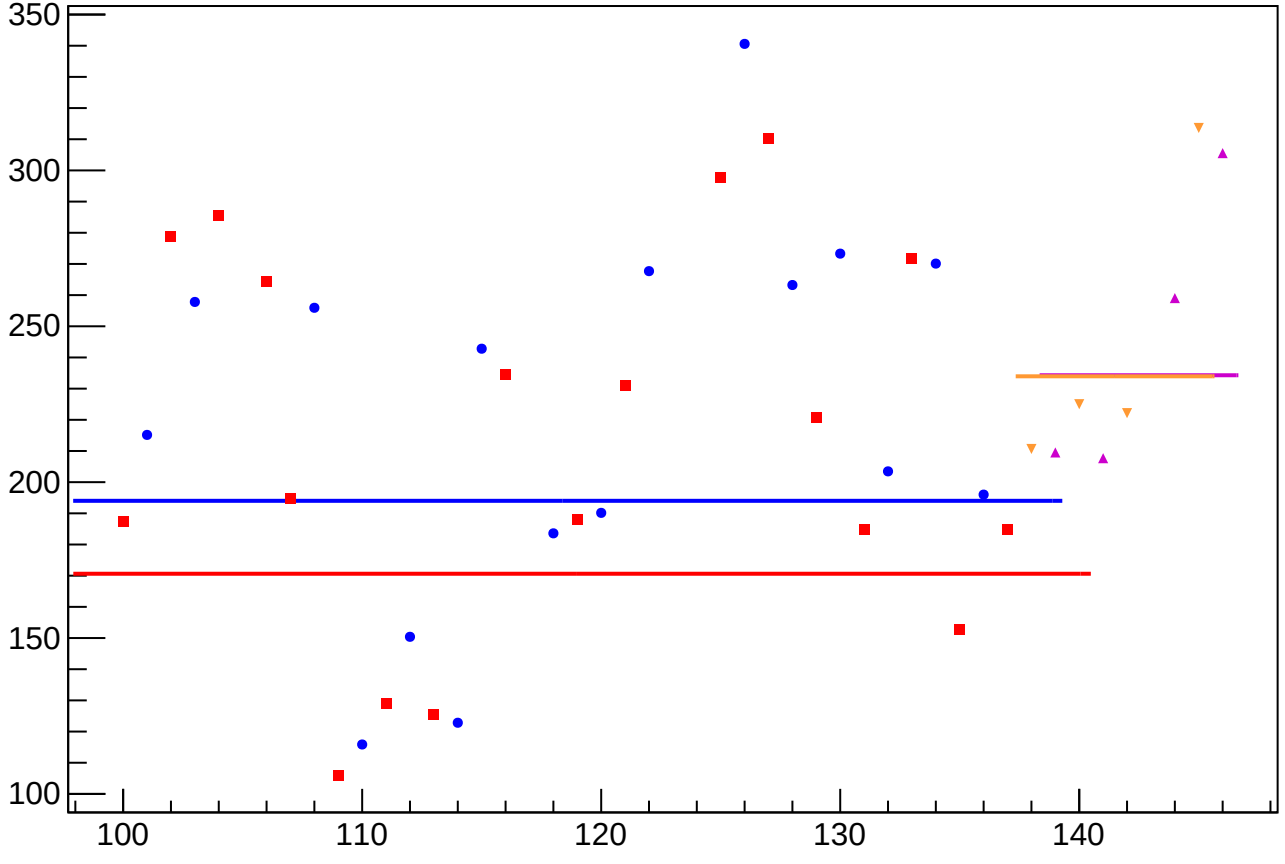
Left In: -234.361+/-127.189 χ^2/NDF:1.2/3

+ sign 23.199+/-67.076 χ^2/NDF: 19.5/19

All: 38.736+/-44.823 χ^2/NDF: 40.0/41

- sign 51.272+/-60.251 χ^2/NDF: 20.5/21

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 233.956+/-0.100 χ^2/NDF:127840.9/3

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

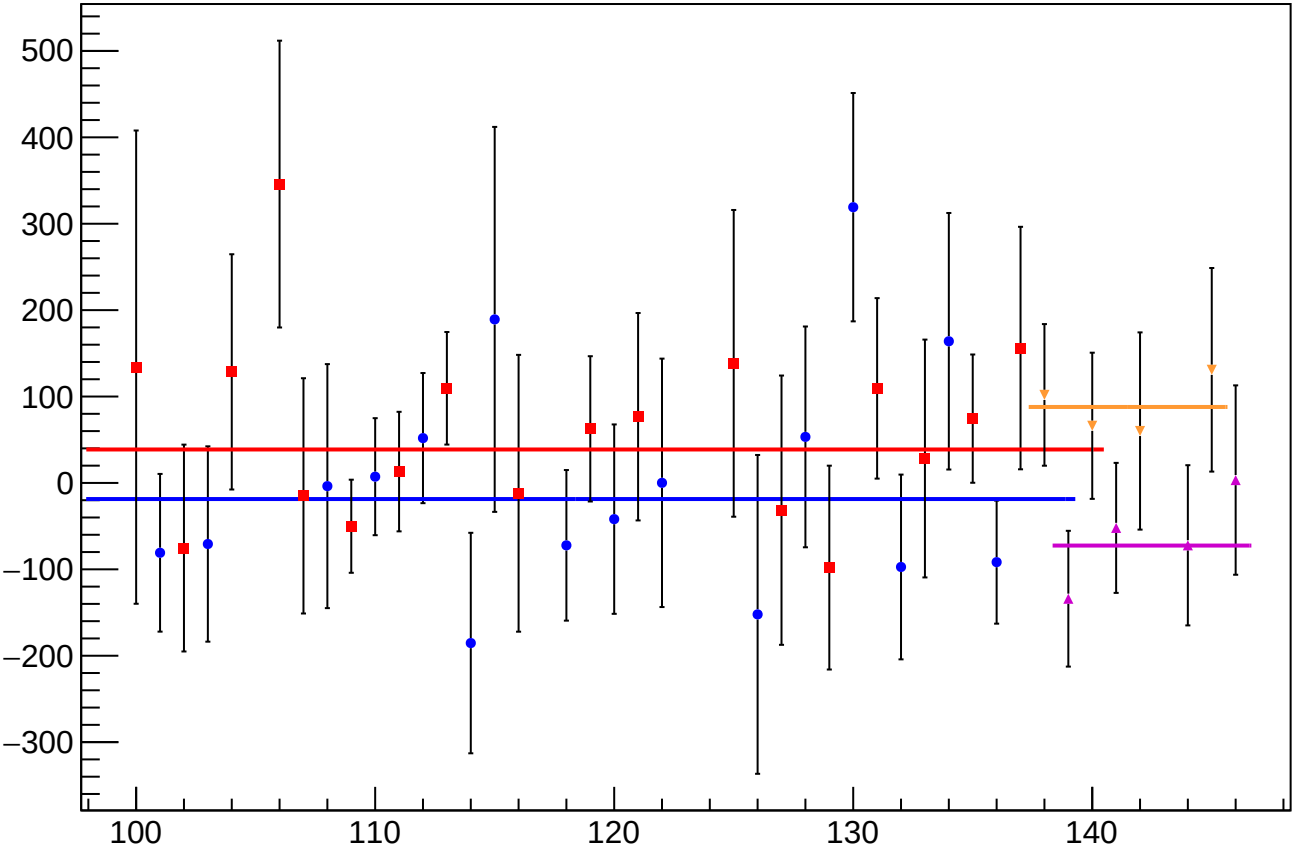
Left In: 234.294+/-0.090 χ^2/NDF:164262.2/3

+ sign 203.076+/-0.047 χ^2/NDF: 1295779.5/19

All: 193.023+/-0.032 χ^2/NDF: 3523681.5/41

- sign 184.911+/-0.043 χ^2/NDF: 2146728.0/21

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 87.926+/-47.814 χ^2/NDF:0.3/3

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

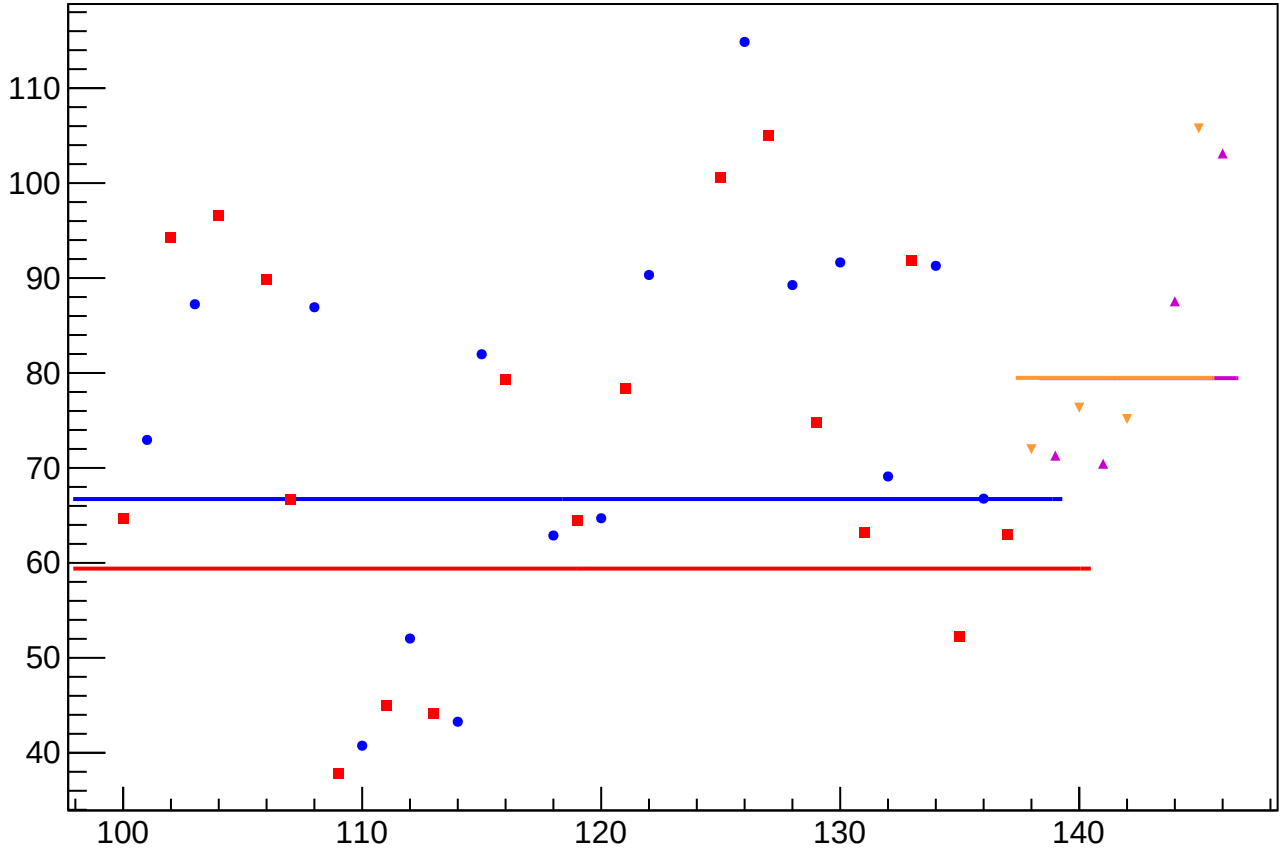
Left In: -72.488+/-43.107 χ^2/NDF:1.2/3

+ sign 5.853+/-22.924 χ^2/NDF: 19.3/19

All: 9.776+/-15.378 χ^2/NDF: 38.3/41

- sign 12.985+/-20.736 χ^2/NDF: 18.9/21

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 79.488+/-0.034 χ^2/NDF:121892.6/3

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

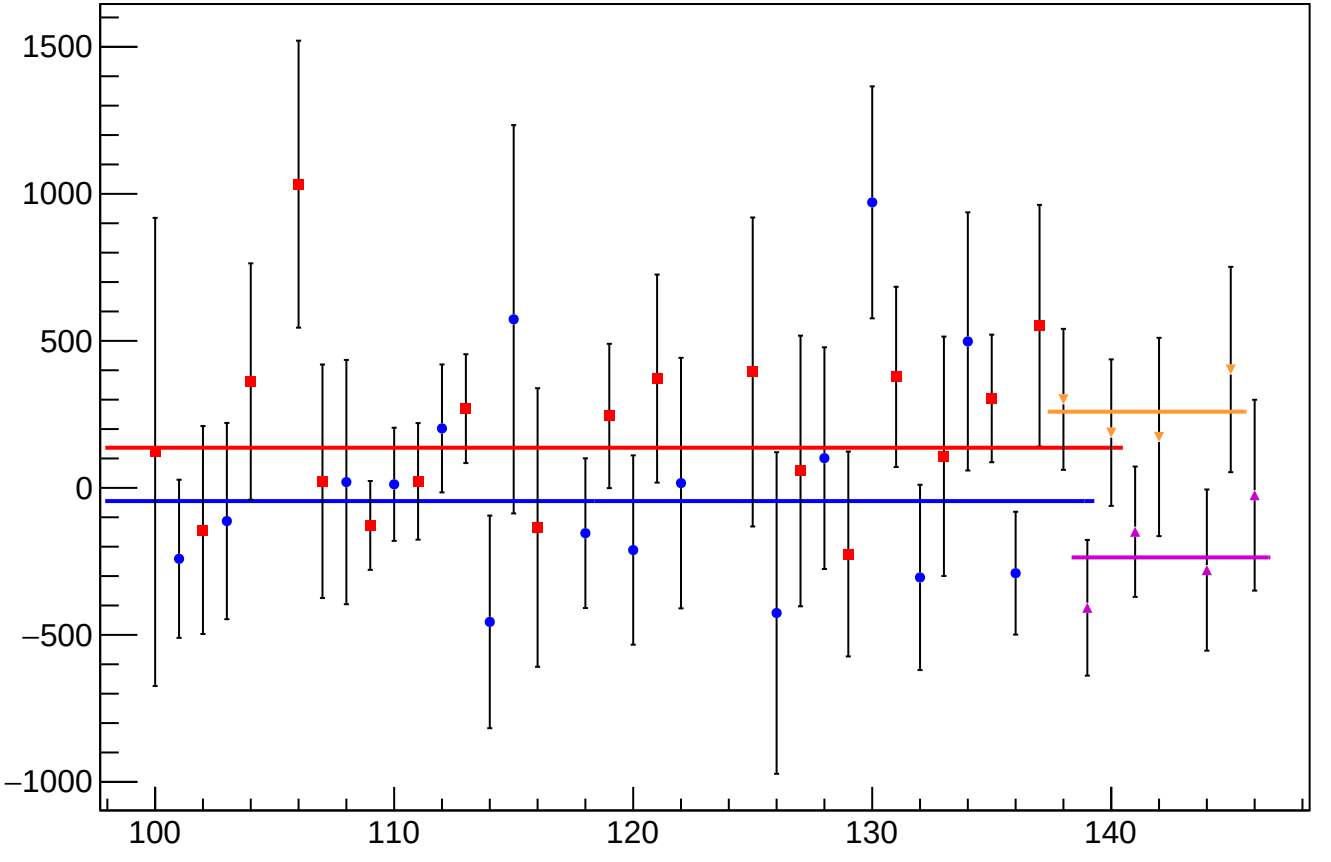
Left In: 79.455+/-0.030 χ^2/NDF:158723.2/3

+ sign 69.658+/-0.016 χ^2/NDF: 1178687.0/19

All: 66.569+/-0.011 χ^2/NDF: 3181550.1/41

- sign 64.041+/-0.015 χ^2/NDF: 1936815.2/21

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 259.179+/-140.722 χ^2/NDF:0.3/3

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

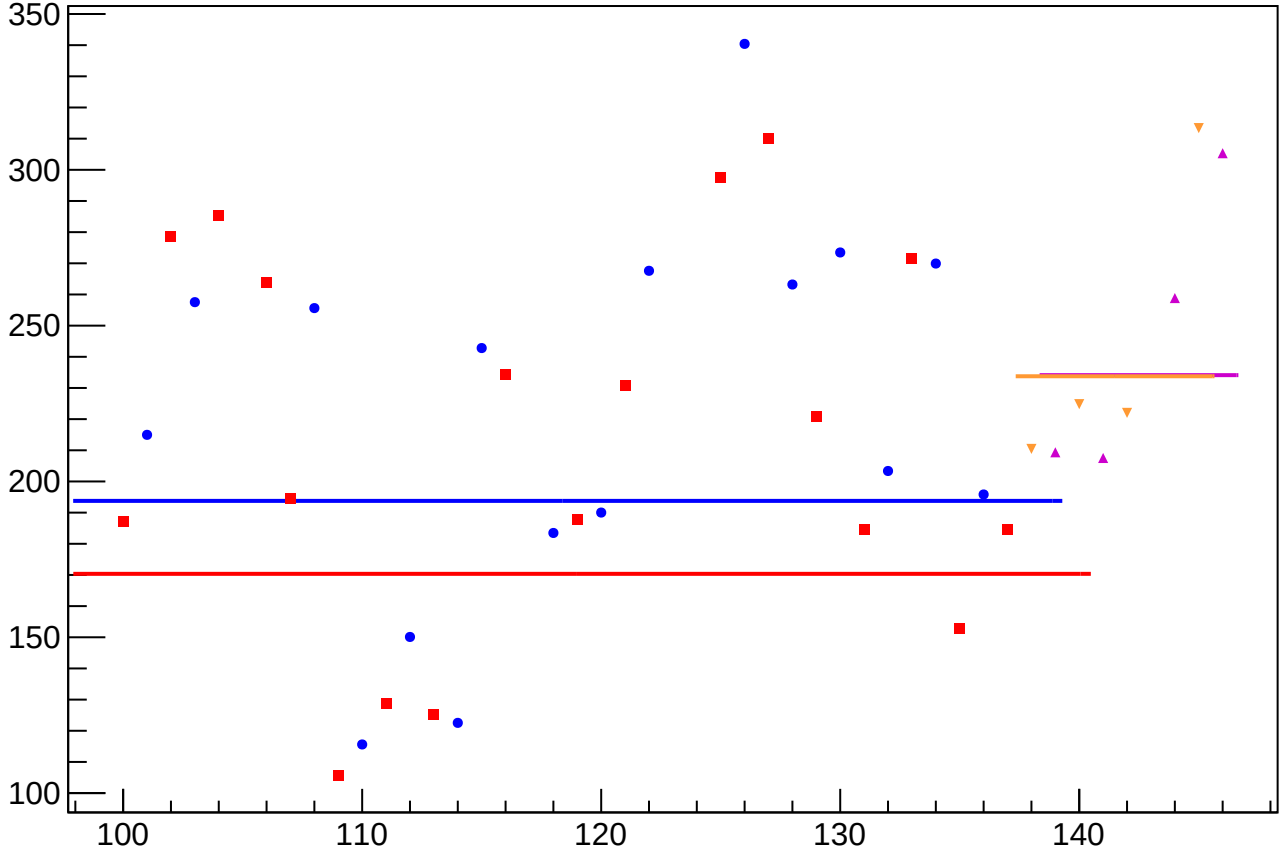
Left In: -236.541+/-127.093 χ^2/NDF:1.2/3

+ sign 24.029+/-67.006 χ^2/NDF: 19.4/19

All: 40.024+/-44.772 χ^2/NDF: 40.2/41

- sign 52.926+/-60.178 χ^2/NDF: 20.7/21

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 233.756+/-0.100 χ^2/NDF:127928.8/3

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

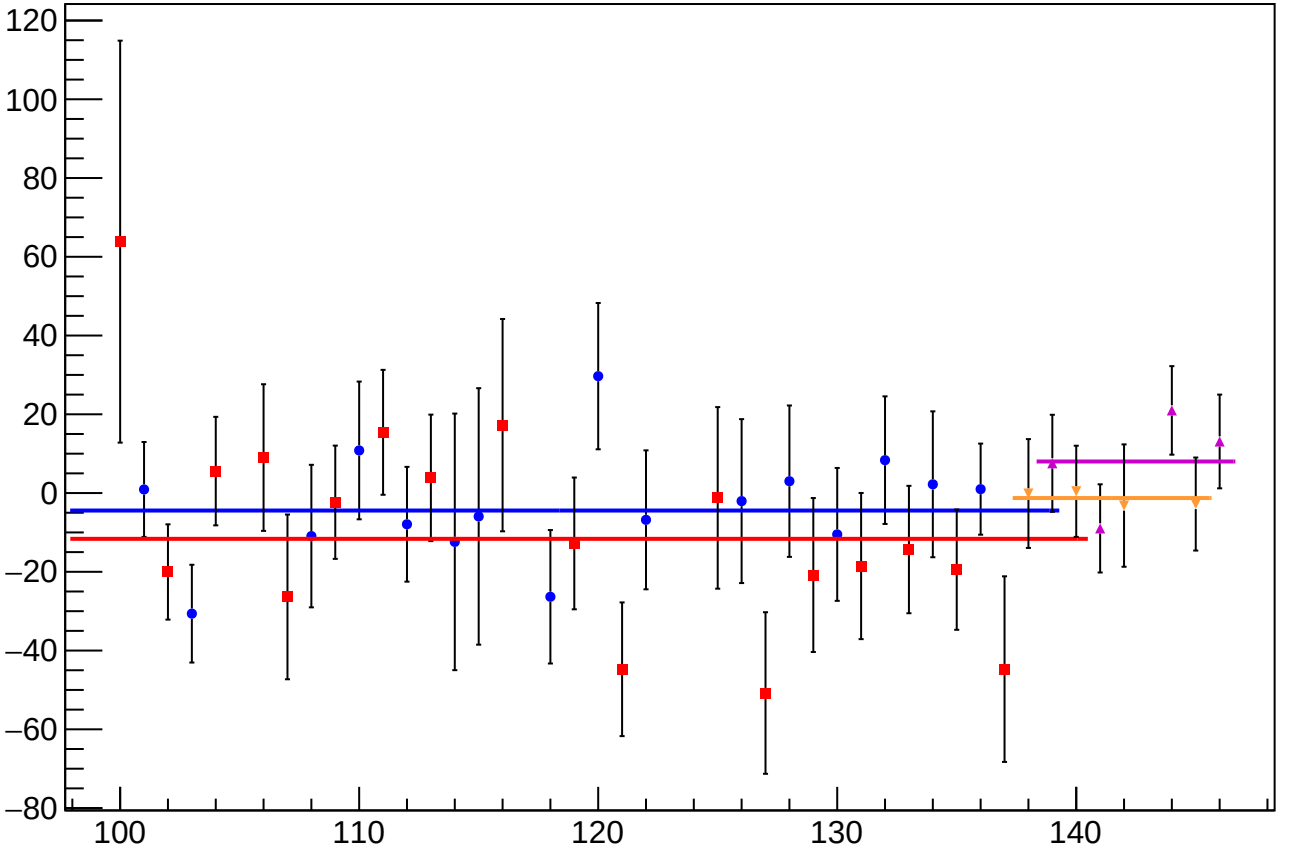
Left In: 234.115+/-0.090 χ^2/NDF:164303.9/3

+ sign 202.834+/-0.047 χ^2/NDF: 1300906.7/19

All: 192.770+/-0.032 χ^2/NDF: 3536232.7/41

- sign 184.652+/-0.043 χ^2/NDF: 2153813.0/21

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -1.270+/-6.455 χ^2/NDF:0.1/3

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

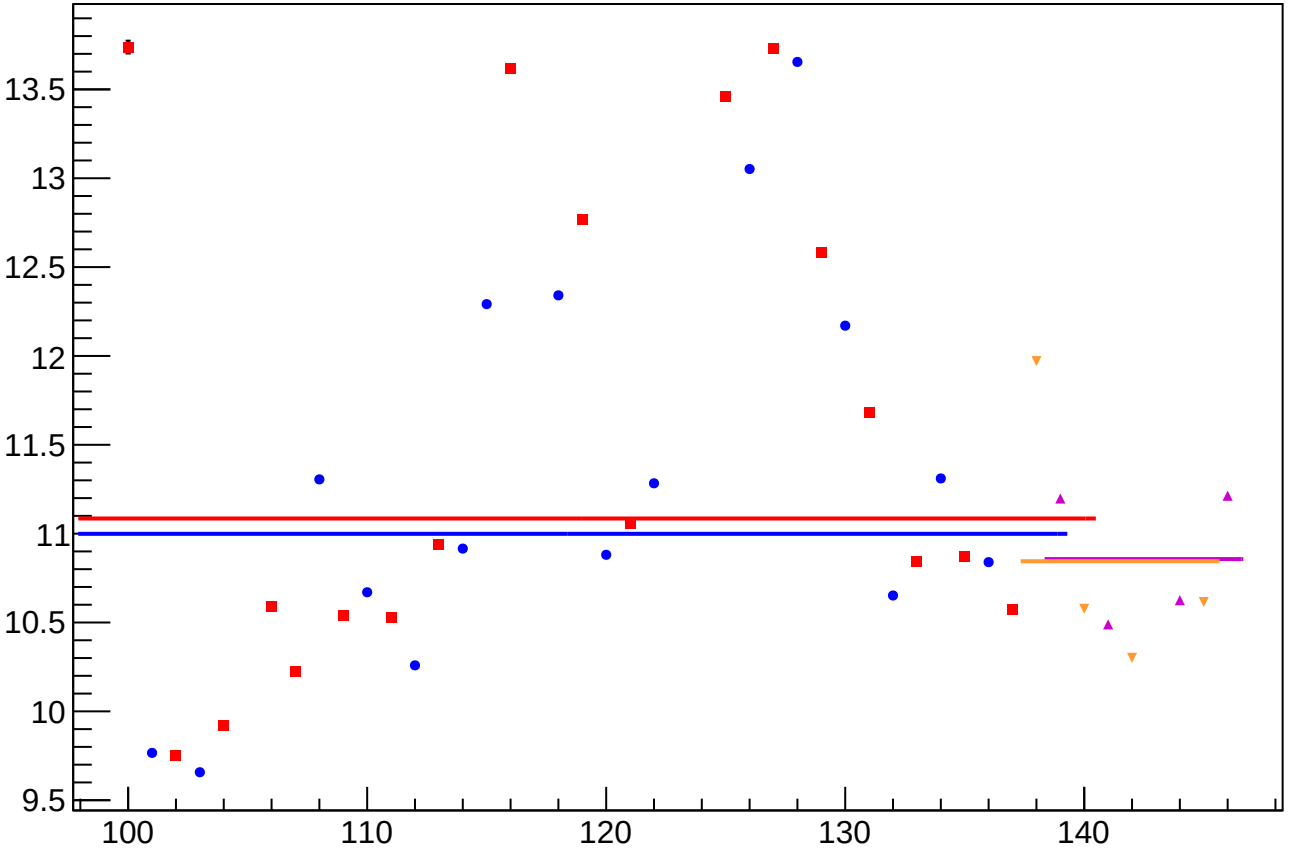
Left In: 8.015+/-5.819 χ^2/NDF:3.8/3

+ sign -3.519+/-3.479 χ^2/NDF: 12.2/19

All: -4.300+/-2.421 χ^2/NDF: 45.3/41

- sign -5.033+/-3.371 χ^2/NDF: 33.0/21

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.845+/-0.005 χ^2/NDF:17548.7/3

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

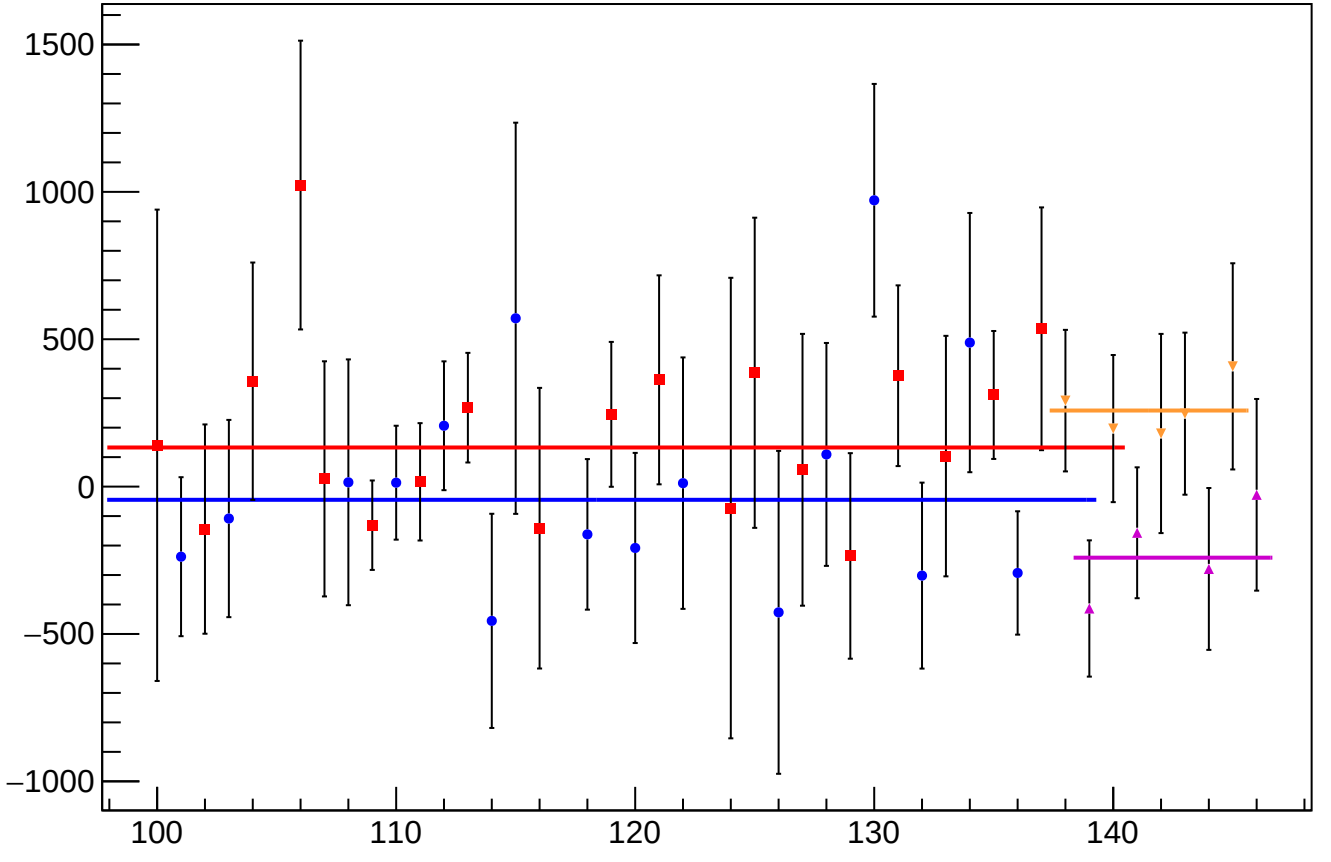
Left In: 10.857+/-0.004 χ^2/NDF:6326.7/3

+ sign 10.954+/-0.002 χ^2/NDF: 154518.5/19

All: 10.982+/-0.002 χ^2/NDF: 325347.6/41

- sign 11.009+/-0.002 χ^2/NDF: 170576.6/21

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 258.130+/-125.440 χ^2/NDF:0.3/4

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

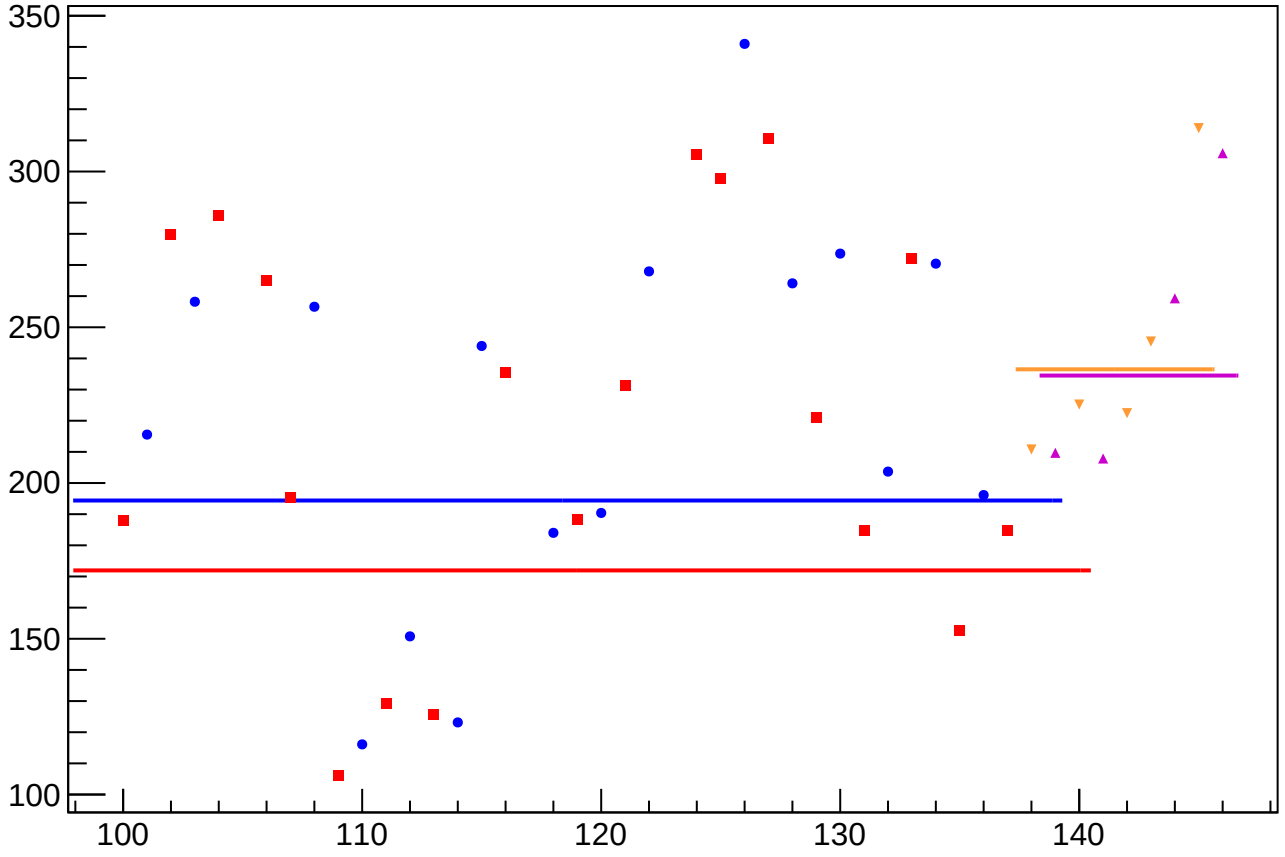
Left In: -241.147+/-127.305 χ^2/NDF:1.2/3

+ sign 37.206+/-65.265 χ^2/NDF: 20.0/20

All: 43.702+/-44.236 χ^2/NDF: 40.7/43

- sign 49.224+/-60.164 χ^2/NDF: 20.7/22

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 236.504+/-0.089 χ^2/NDF:130628.1/4

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

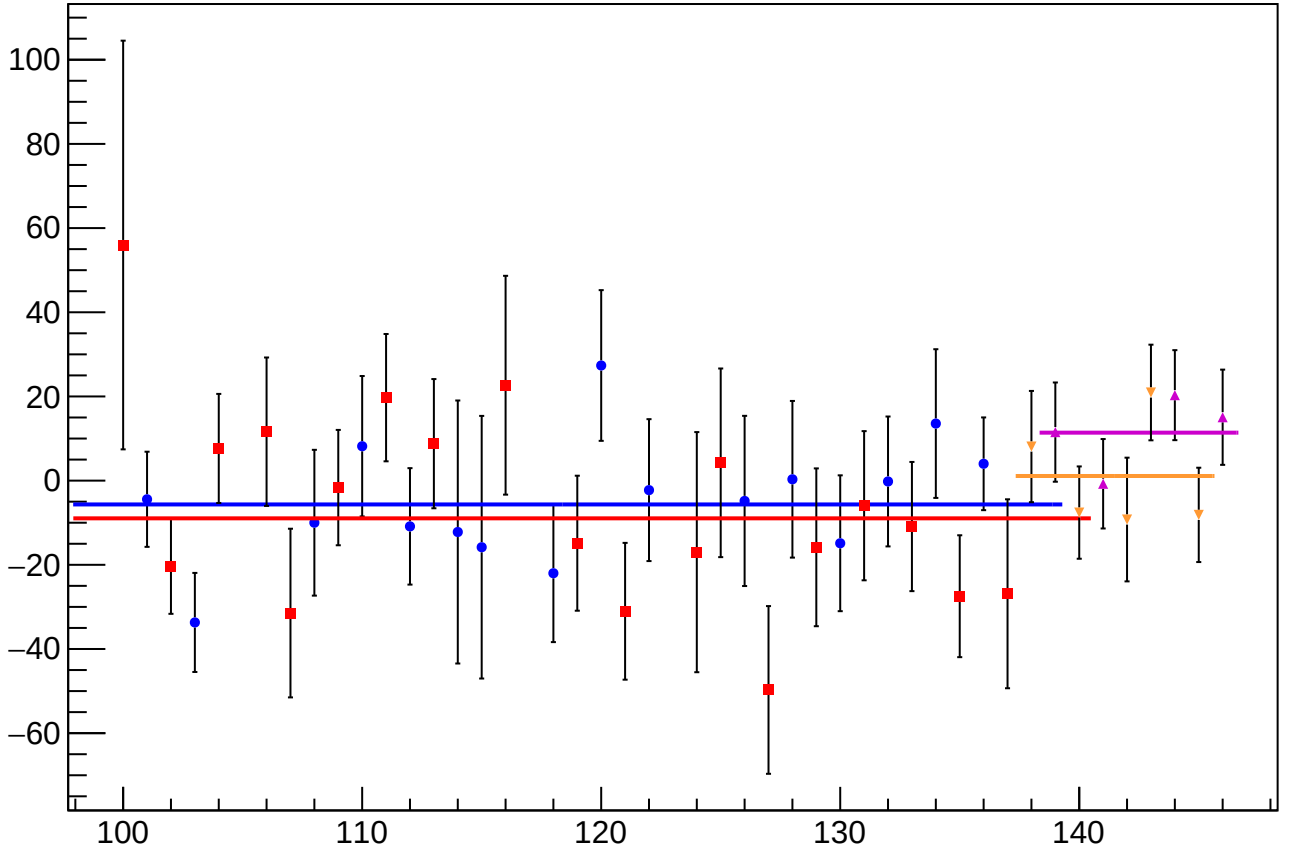
Left In: 234.502+/-0.090 χ^2/NDF:164464.3/3

+ sign 205.787+/-0.046 χ^2/NDF: 1337098.4/20

All: 195.047+/-0.031 χ^2/NDF: 3628114.5/43

- sign 185.920+/-0.043 χ^2/NDF: 2190833.7/22

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.101+/-5.393 χ^2/NDF:5.1/4

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

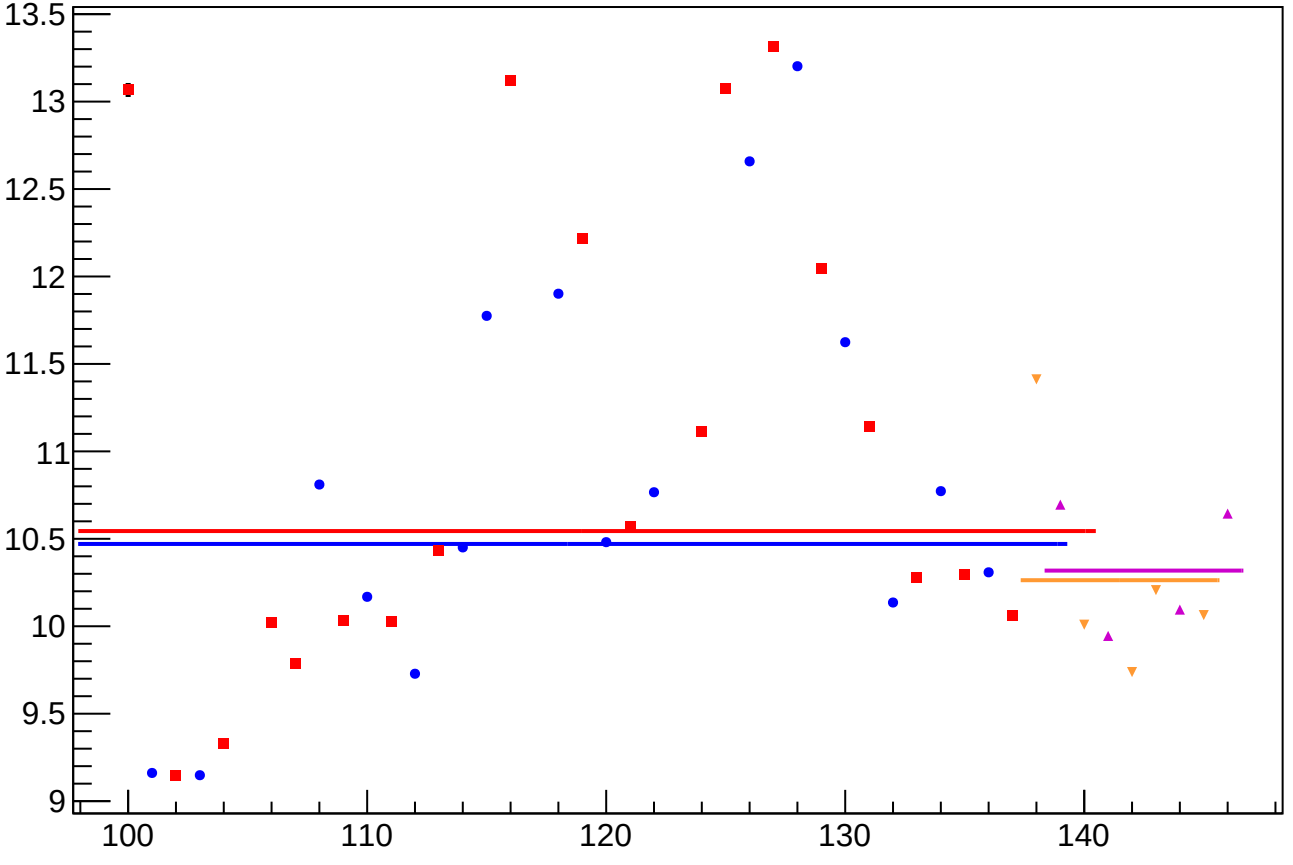
Left In: 11.397+/-5.537 χ^2/NDF:2.1/3

\+ sign -3.306+/-3.181 χ^2/NDF: 19.8/20

All: -2.758+/-2.252 χ^2/NDF: 53.8/43

\- sign -2.208+/-3.189 χ^2/NDF: 33.9/22

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.263+/-0.004 χ^2/NDF:19419.0/4

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

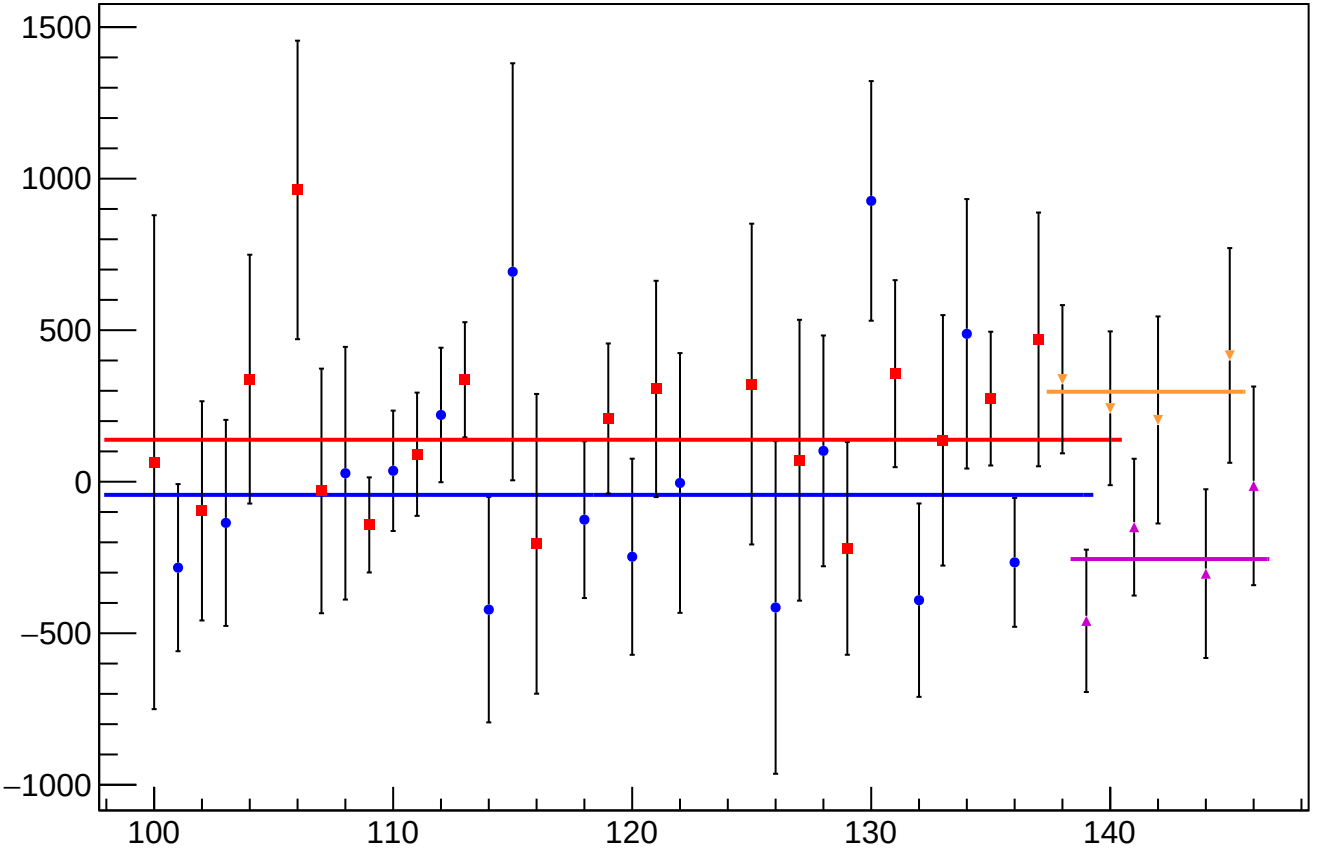
Left In: 10.318+/-0.004 χ^2/NDF:7048.1/3

+ sign 10.398+/-0.002 χ^2/NDF: 178711.1/20

All: 10.434+/-0.002 χ^2/NDF: 375262.5/43

- sign 10.469+/-0.002 χ^2/NDF: 196056.0/22

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 296.888+/-143.166 χ^2/NDF:0.3/3

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

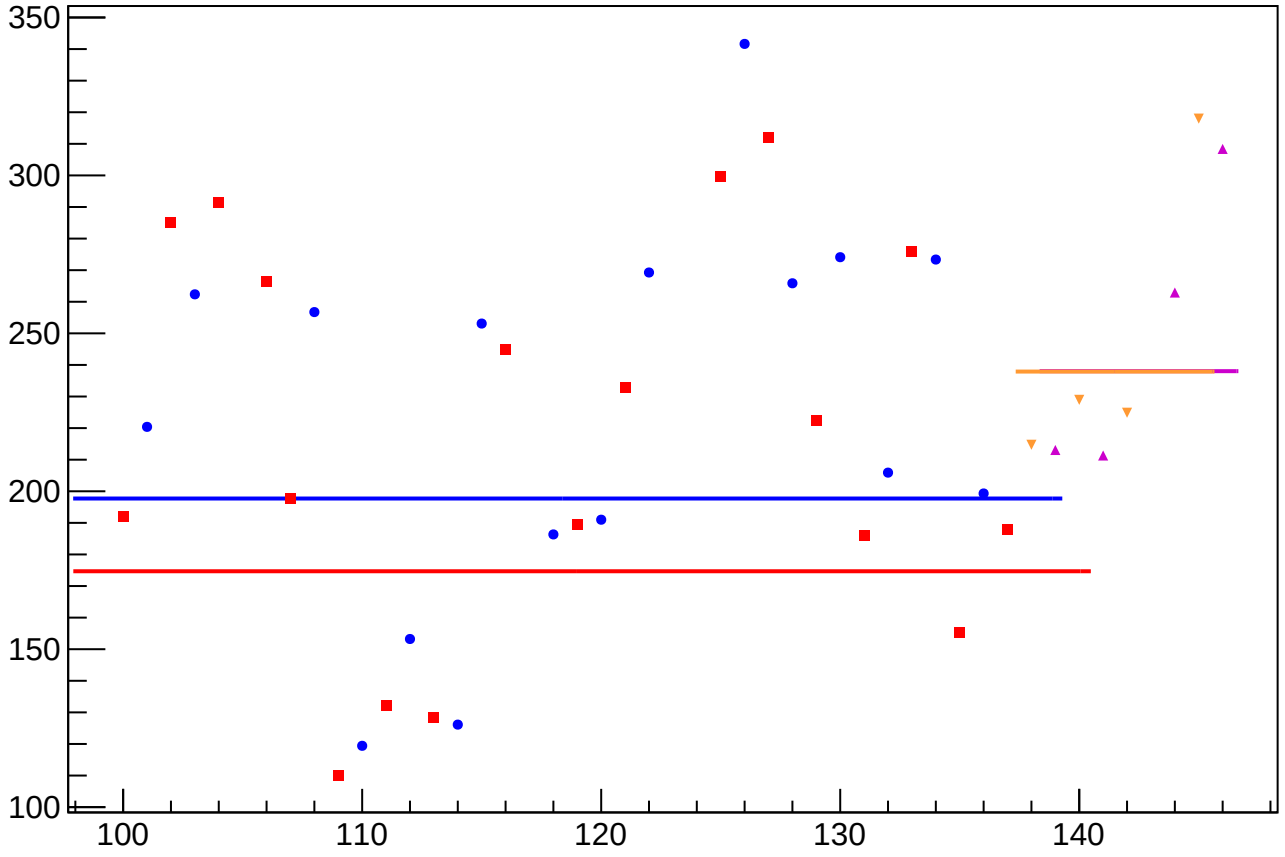
Left In: -255.205+/-129.140 χ^2/NDF:1.5/3

\+ sign 33.860+/-68.212 χ^2/NDF: 20.1/19

All: 42.434+/-45.646 χ^2/NDF: 40.3/41

\- sign 49.387+/-61.427 χ^2/NDF: 20.2/21

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 237.900+/-0.101 χ^2/NDF:125566.3/3

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

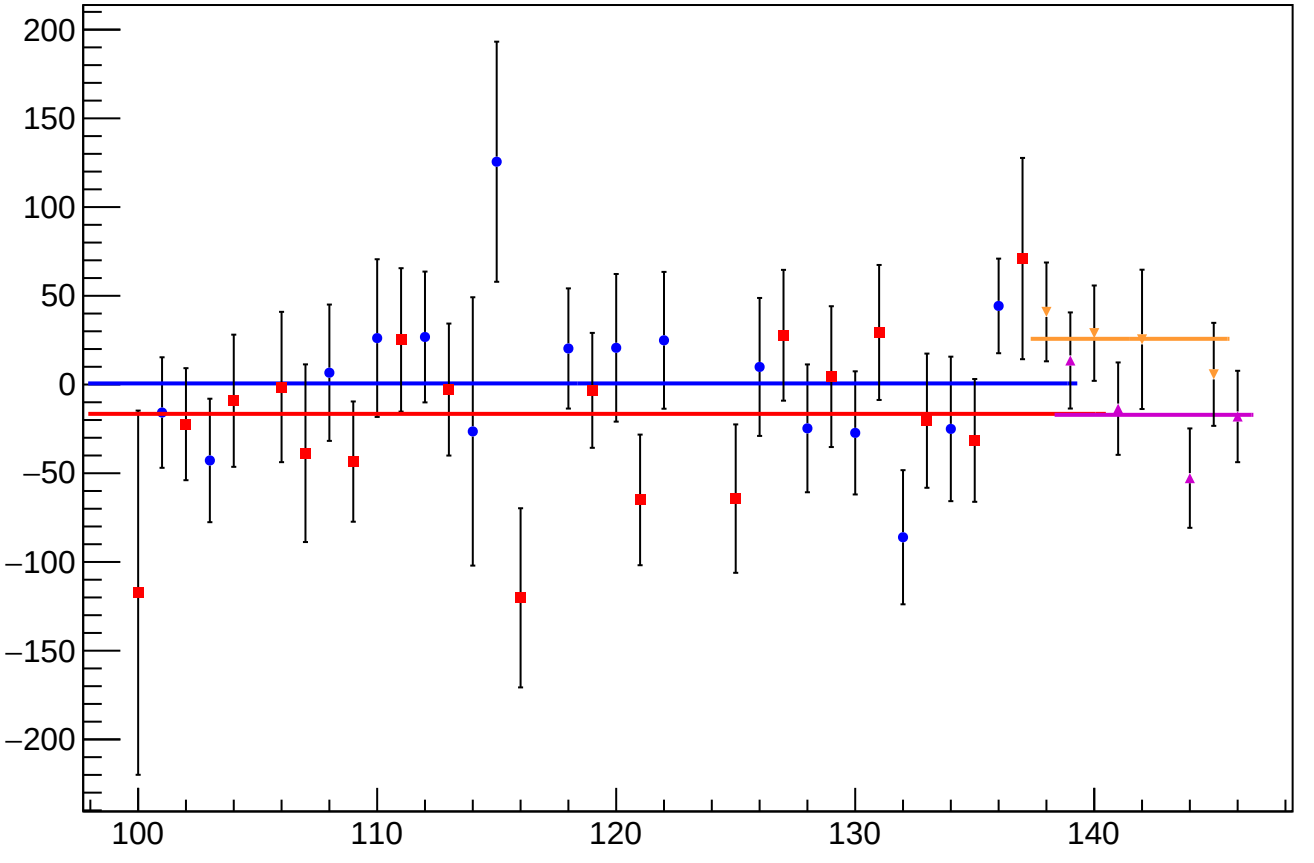
Left In: 238.028+/-0.091 χ^2/NDF:158730.0/3

+ sign 206.831+/-0.048 χ^2/NDF: 1247738.2/19

All: 196.992+/-0.032 χ^2/NDF: 3388970.2/41

- sign 189.012+/-0.043 χ^2/NDF: 2065865.4/21

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 25.759+/-14.888 χ^2/NDF:0.8/3

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

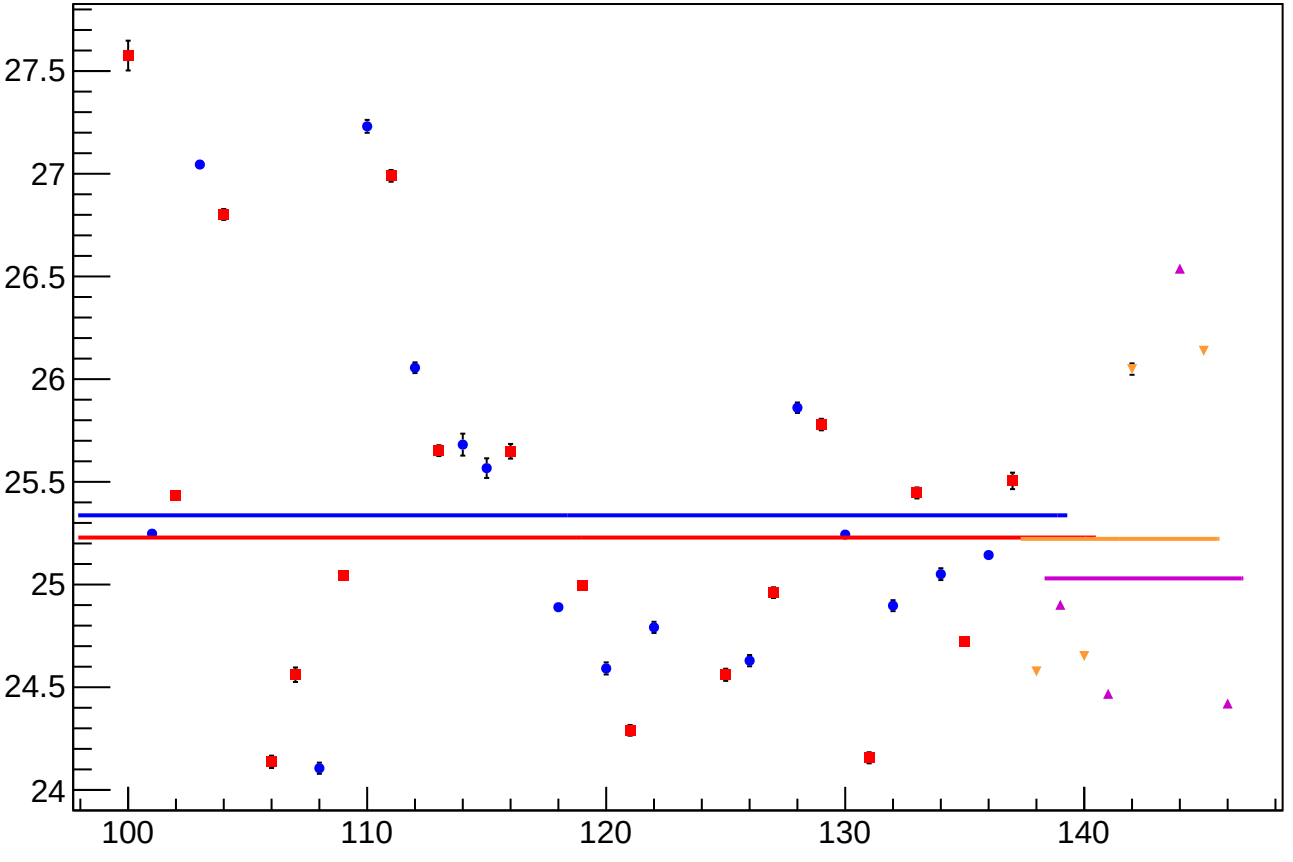
Left In: -17.076+/-13.338 χ^2/NDF:2.9/3

+ sign 7.808+/-7.961 χ^2/NDF: 19.6/19

All: -4.969+/-5.510 χ^2/NDF: 43.8/41

- sign -16.712+/-7.632 χ^2/NDF: 19.3/21

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.222+/-0.011 χ^2/NDF:4853.2/3

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

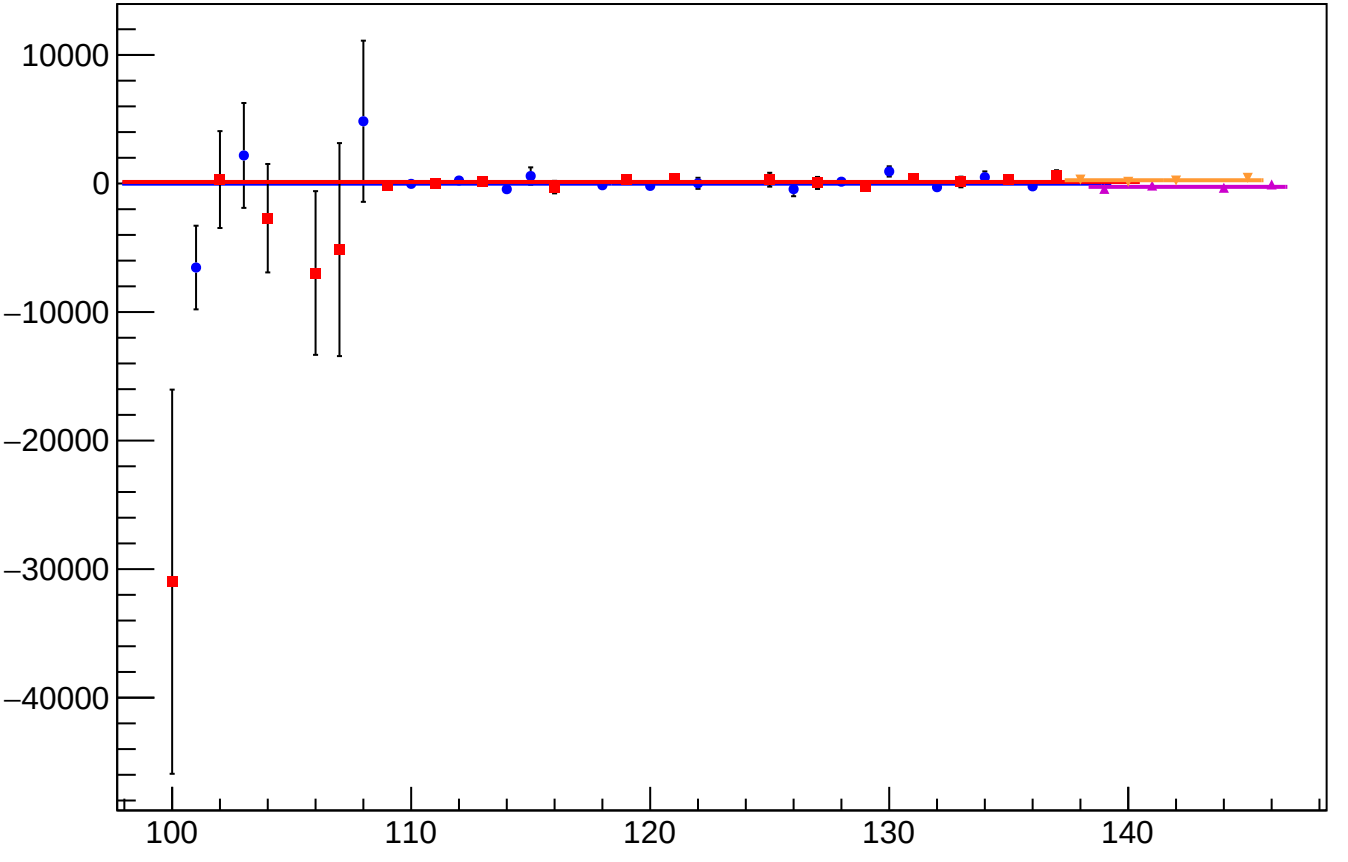
Left In: 25.030+/-0.009 χ^2/NDF:7894.4/3

+ sign 25.304+/-0.006 χ^2/NDF: 19252.7/19

All: 25.231+/-0.004 χ^2/NDF: 42946.9/41

- sign 25.164+/-0.005 χ^2/NDF: 23369.3/21

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 253.417+/-142.033 χ^2/NDF:0.6/3

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

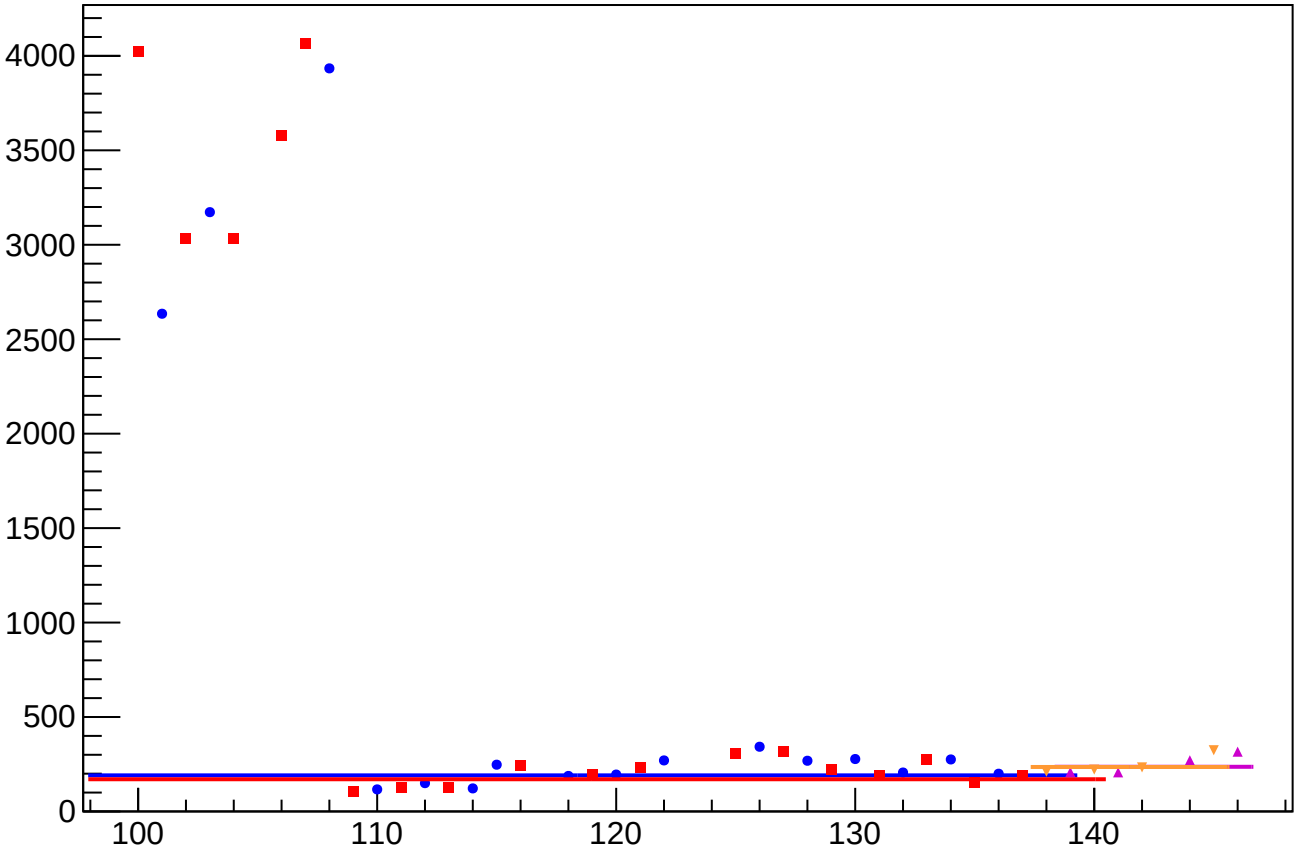
Left In: -261.152+/-128.794 χ^2/NDF:1.0/3

+ sign 56.472+/-72.591 χ^2/NDF: 21.5/19

All: 35.246+/-49.184 χ^2/NDF: 43.5/41

- sign 17.232+/-66.873 χ^2/NDF: 21.8/21

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 235.464+/-0.100 χ^2/NDF:148843.9/3

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

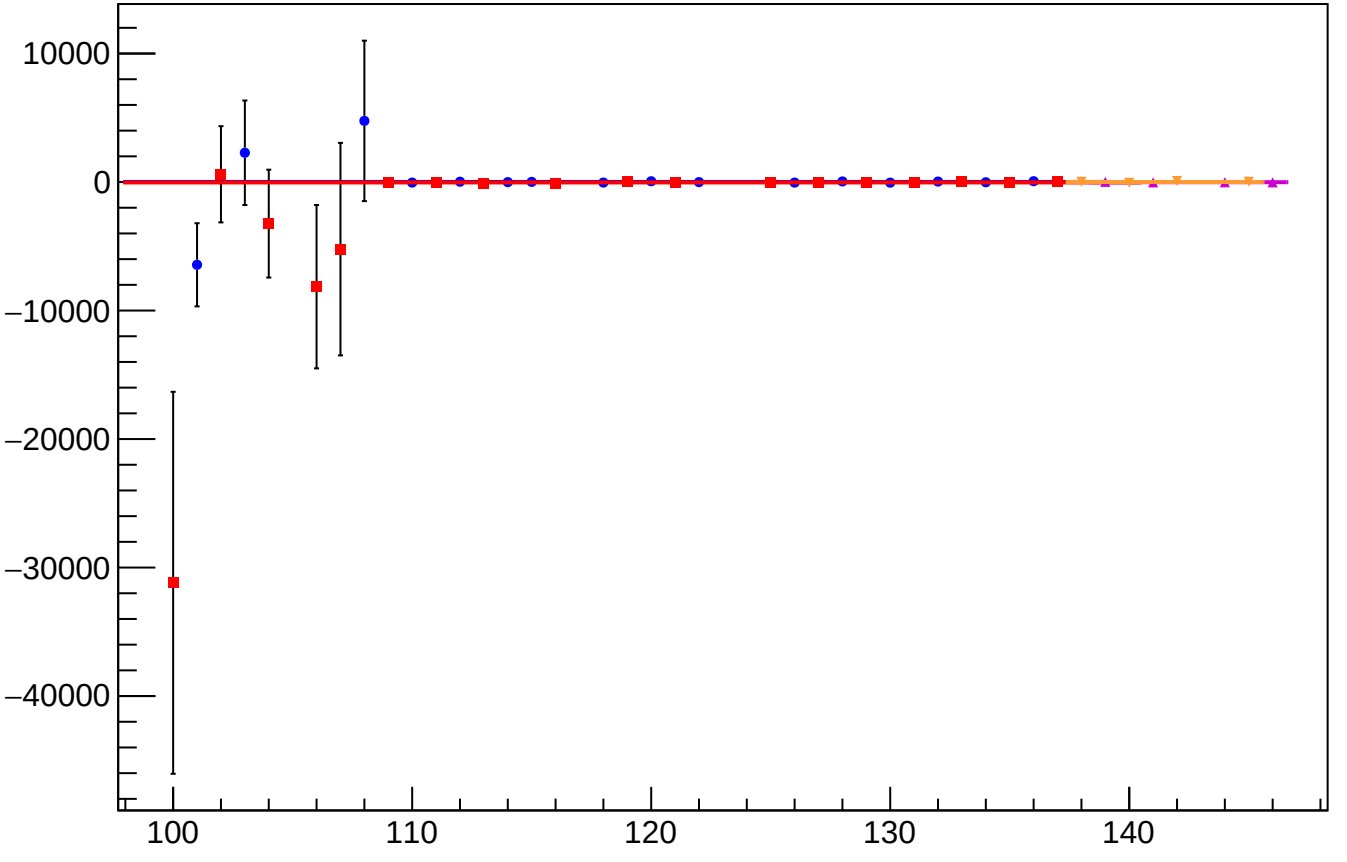
Left In: 236.461+/-0.091 χ^2/NDF:206846.3/3

+ sign 202.666+/-0.051 χ^2/NDF: 4127149.9/19

All: 194.883+/-0.035 χ^2/NDF: 9014547.5/41

- sign 188.278+/-0.047 χ^2/NDF: 4844896.0/21

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 3.168+/-17.210 χ^2/NDF:7.3/3

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

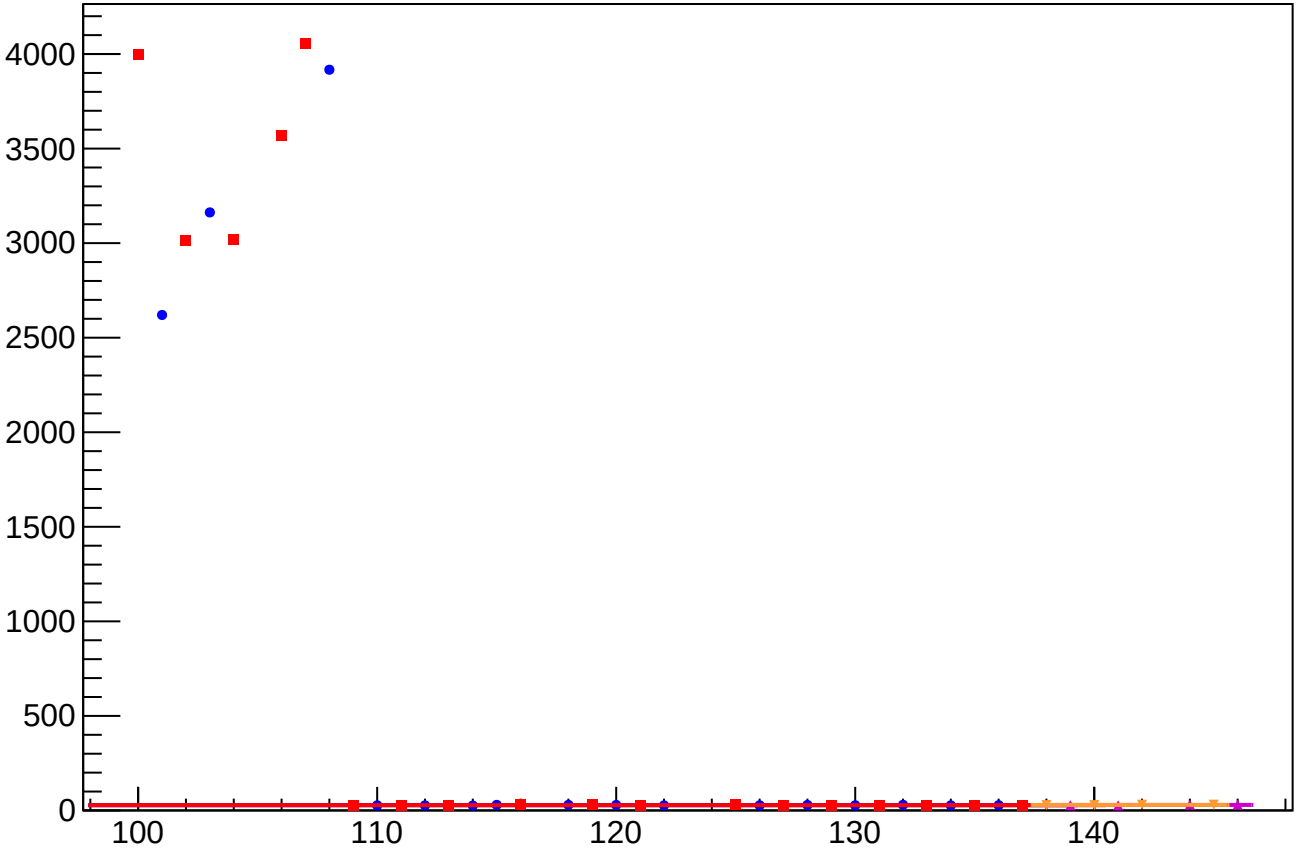
Left In: -12.373+/-15.601 χ^2/NDF:1.1/3

\+ sign 5.432+/-9.712 χ^2/NDF: 25.6/19

All: -9.451+/-6.811 χ^2/NDF: 52.1/41

\- sign -23.853+/-9.554 χ^2/NDF: 21.9/21

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.055+/-0.012 χ^2/NDF:6862.8/3

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

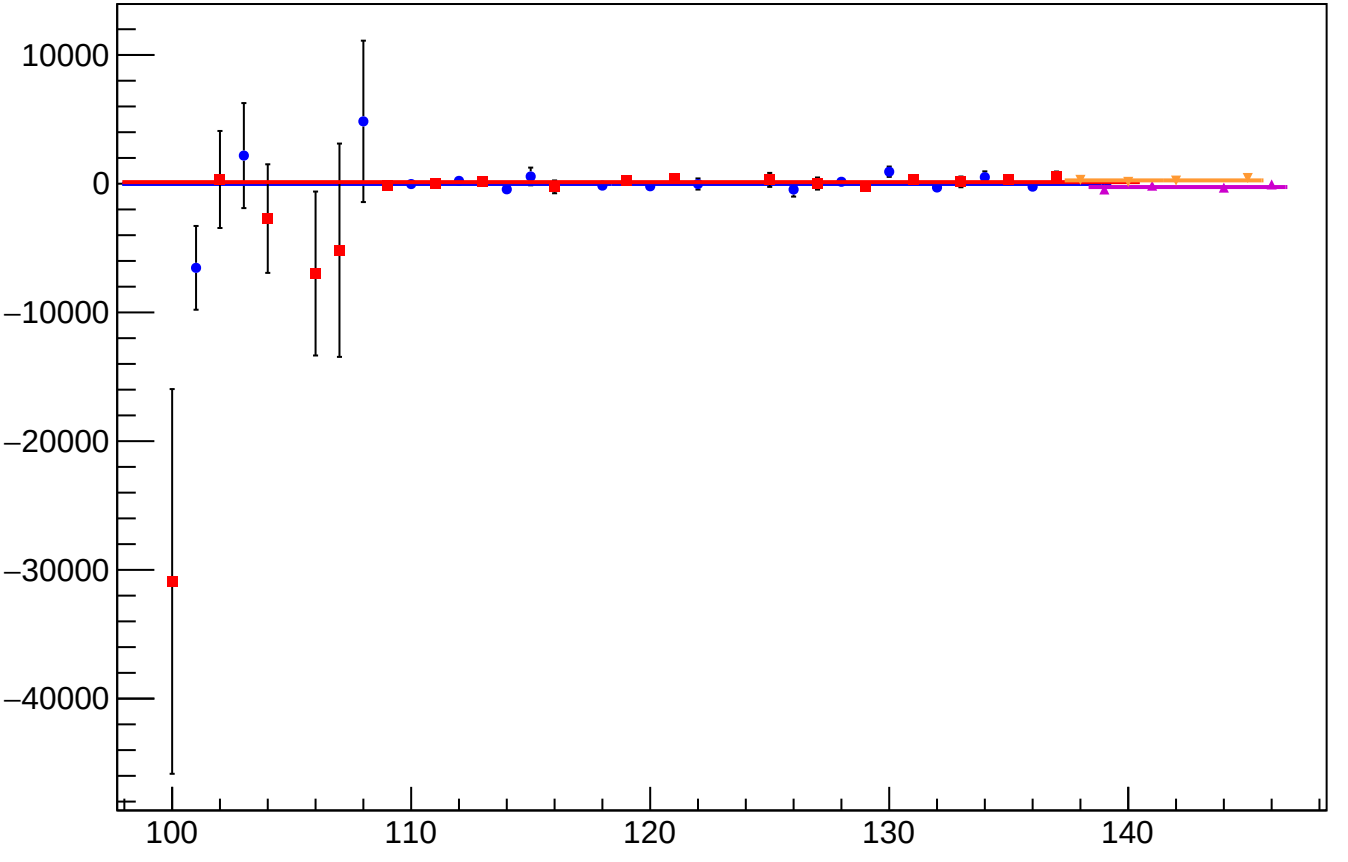
Left In: 29.212+/-0.011 χ^2/NDF:24997.6/3

+ sign 28.216+/-0.007 χ^2/NDF: 3279717.8/19

All: 28.267+/-0.005 χ^2/NDF: 6873782.0/41

- sign 28.316+/-0.007 χ^2/NDF: 3593957.6/21

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 257.208+/-142.748 χ^2/NDF:0.5/3

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

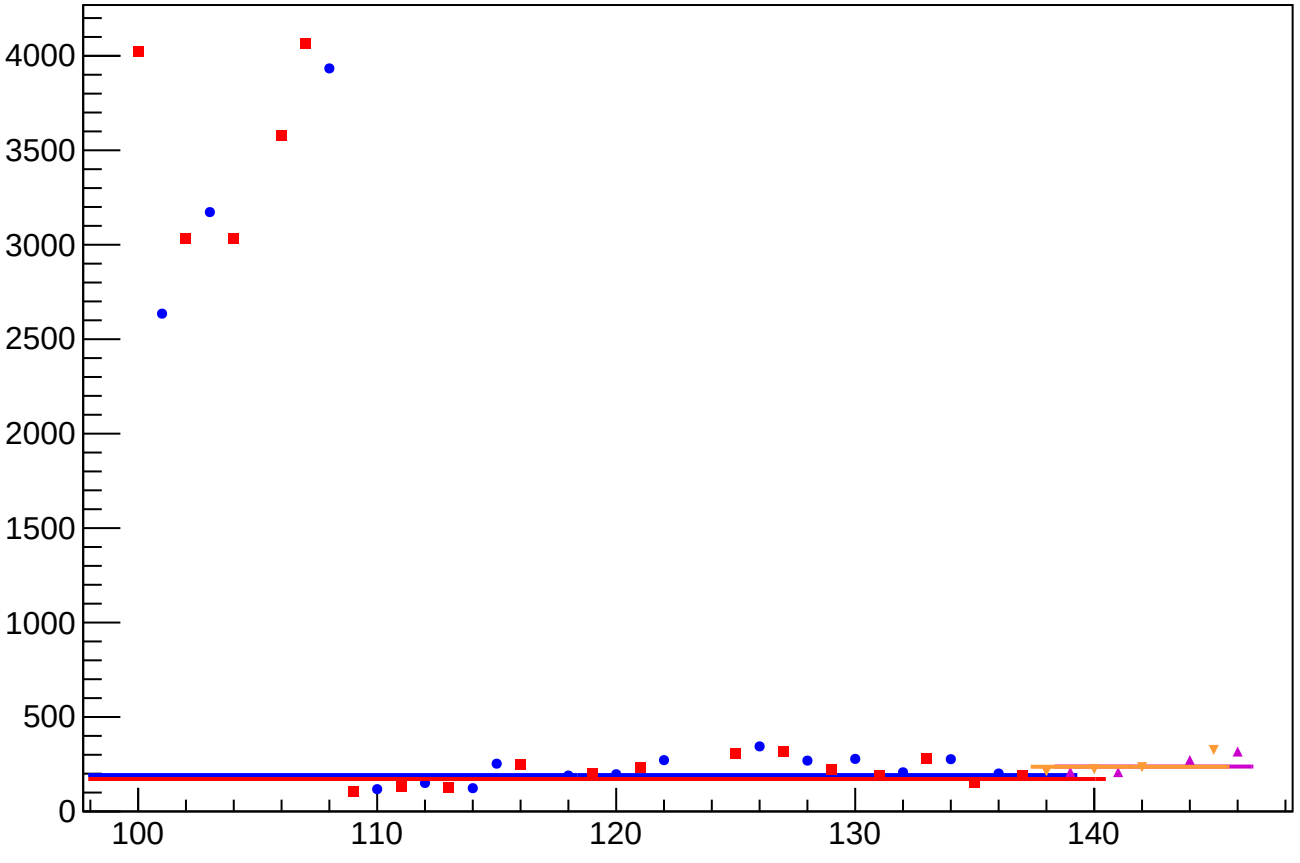
Left In: -260.272+/-129.456 χ^2/NDF:1.3/3

+ sign 52.993+/-73.073 χ^2/NDF: 21.5/19

All: 34.198+/-49.519 χ^2/NDF: 42.4/41

- sign 18.236+/-67.338 χ^2/NDF: 20.9/21

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 236.666+/-0.101 χ^2/NDF:148314.0/3

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

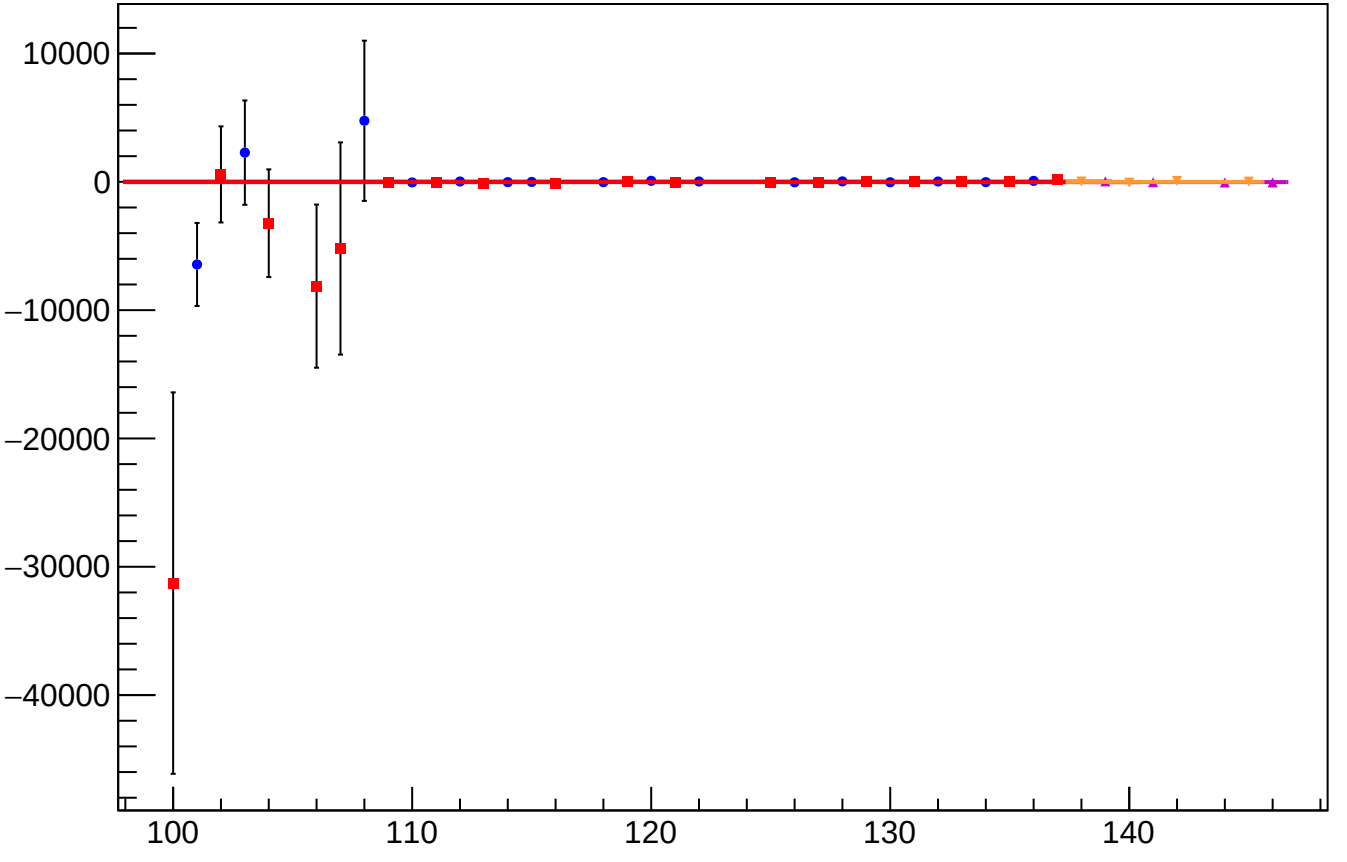
Left In: 237.732+/-0.092 χ^2/NDF:204252.9/3

+ sign 204.118+/-0.052 χ^2/NDF: 4112004.0/19

All: 196.327+/-0.035 χ^2/NDF: 8983372.9/41

- sign 189.711+/-0.048 χ^2/NDF: 4829329.1/21

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -1.486+/-18.855 χ^2/NDF:6.1/3

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

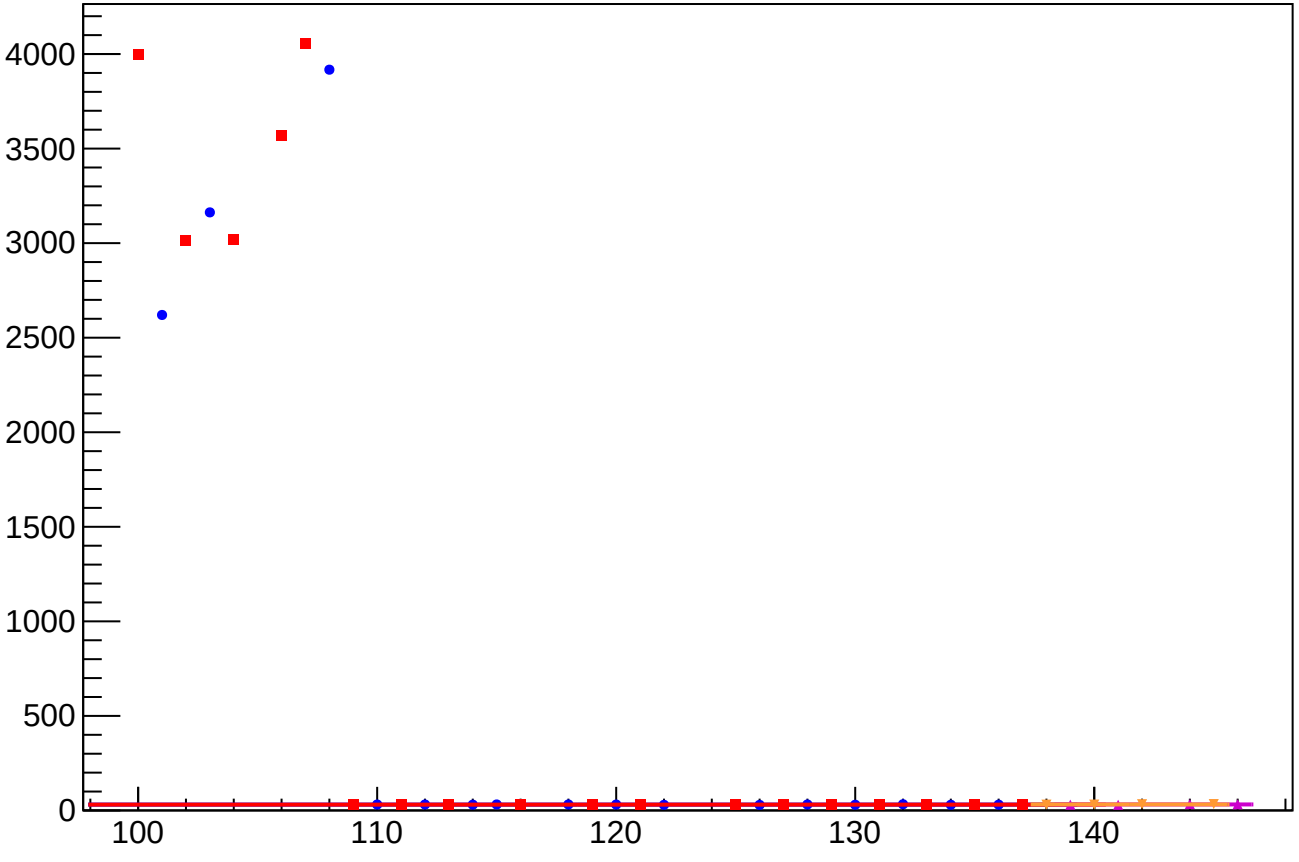
Left In: -18.422+/-16.965 χ^2/NDF:4.3/3

+ sign 8.784+/-10.737 χ^2/NDF: 22.0/19

All: -6.211+/-7.510 χ^2/NDF: 58.5/41

- sign -20.570+/-10.507 χ^2/NDF: 32.7/21

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.855+/-0.013 χ^2/NDF:8941.6/3

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

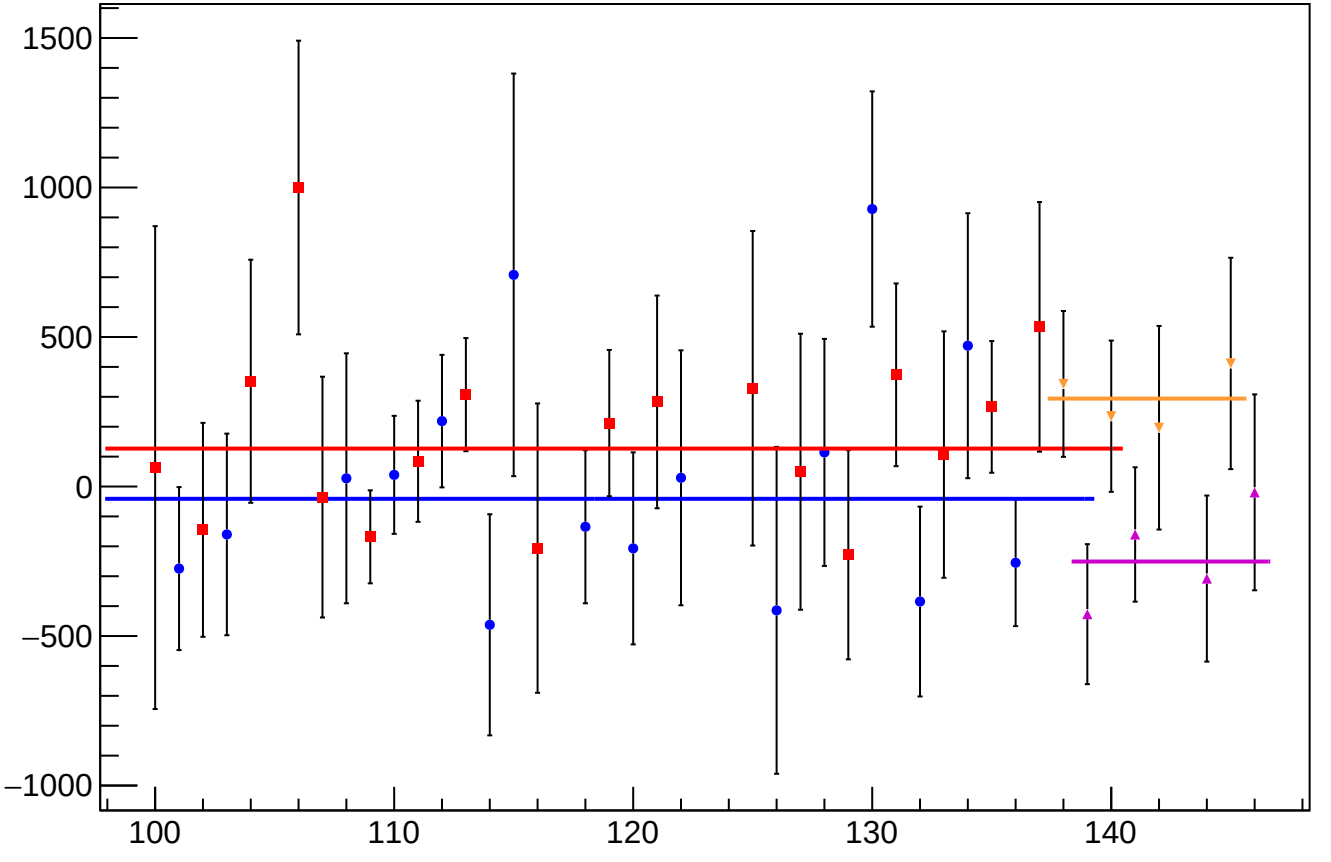
Left In: 31.803+/-0.012 χ^2/NDF:17552.1/3

\+ sign 31.229+/-0.008 χ^2/NDF: 3264812.4/19

All: 31.208+/-0.005 χ^2/NDF: 6822617.7/41

\- sign 31.187+/-0.007 χ^2/NDF: 3557790.1/21

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 294.128+/-142.755 χ^2/NDF:0.3/3

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

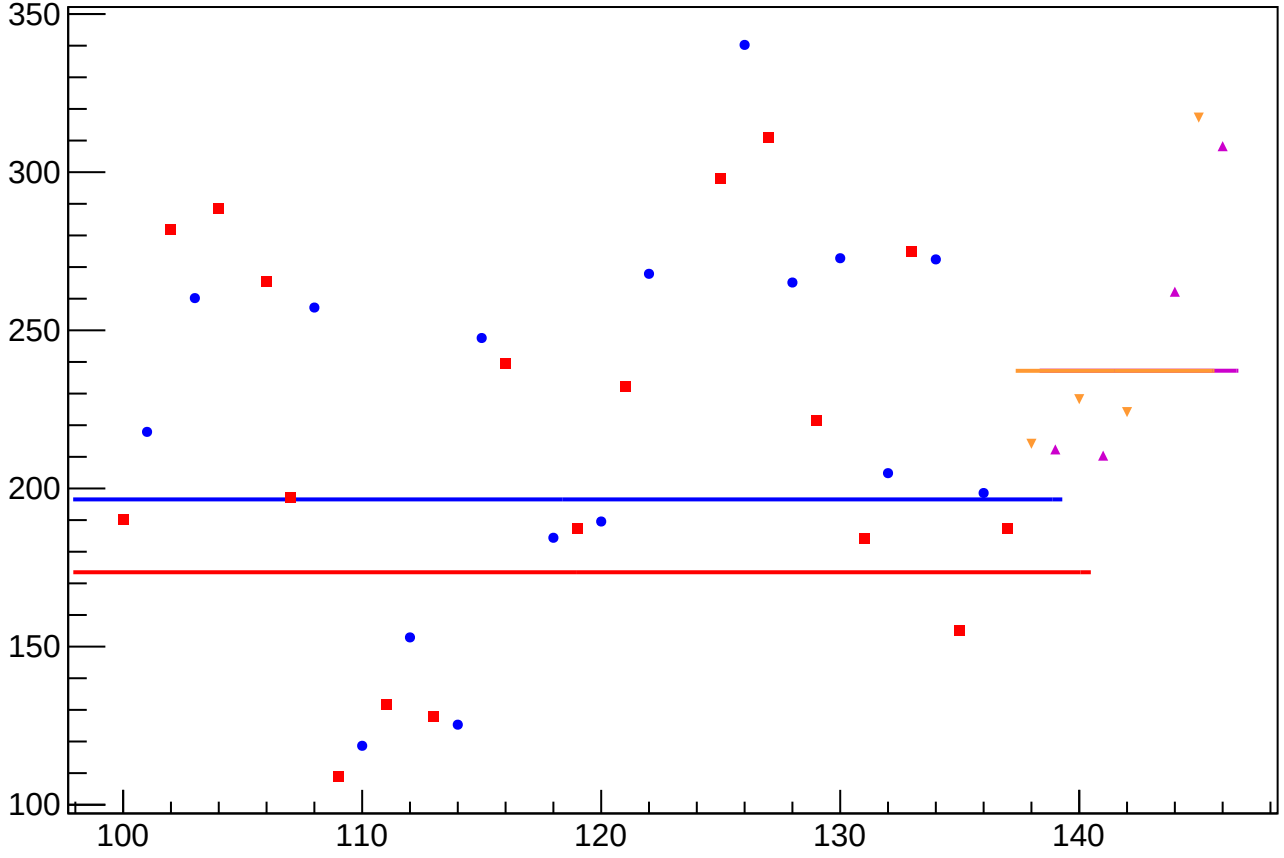
Left In: -250.890+/-128.736 χ^2/NDF:1.3/3

+ sign 34.650+/-67.865 χ^2/NDF: 20.2/19

All: 38.634+/-45.399 χ^2/NDF: 40.9/41

- sign 41.861+/-61.077 χ^2/NDF: 20.7/21

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 237.202+/-0.101 χ^2/NDF:125947.8/3

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

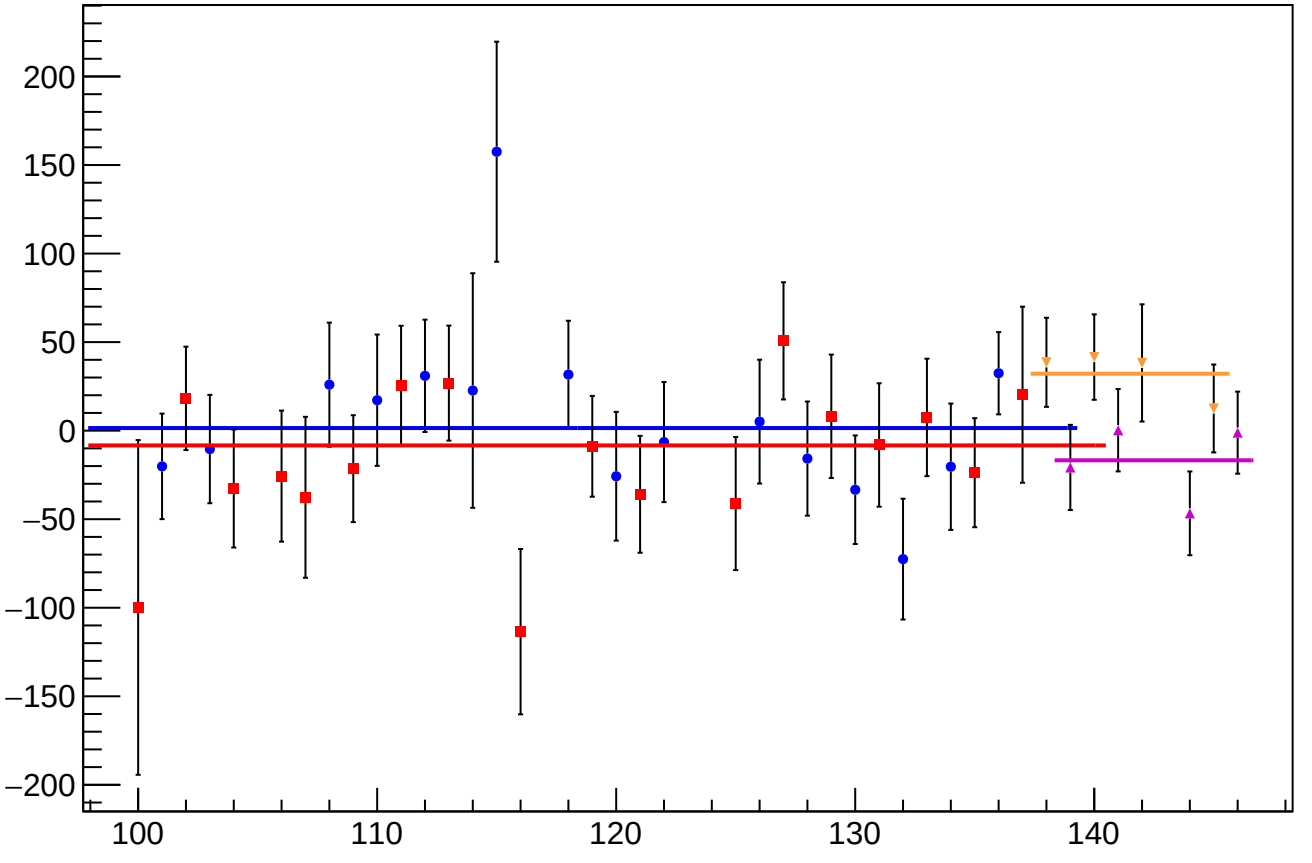
Left In: 237.231+/-0.091 χ^2/NDF:161236.9/3

+ sign 205.731+/-0.048 χ^2/NDF: 1252297.0/19

All: 195.853+/-0.032 χ^2/NDF: 3402660.6/41

- sign 187.852+/-0.043 χ^2/NDF: 2073669.1/21

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 32.154+/-13.092 χ^2/NDF:0.9/3

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

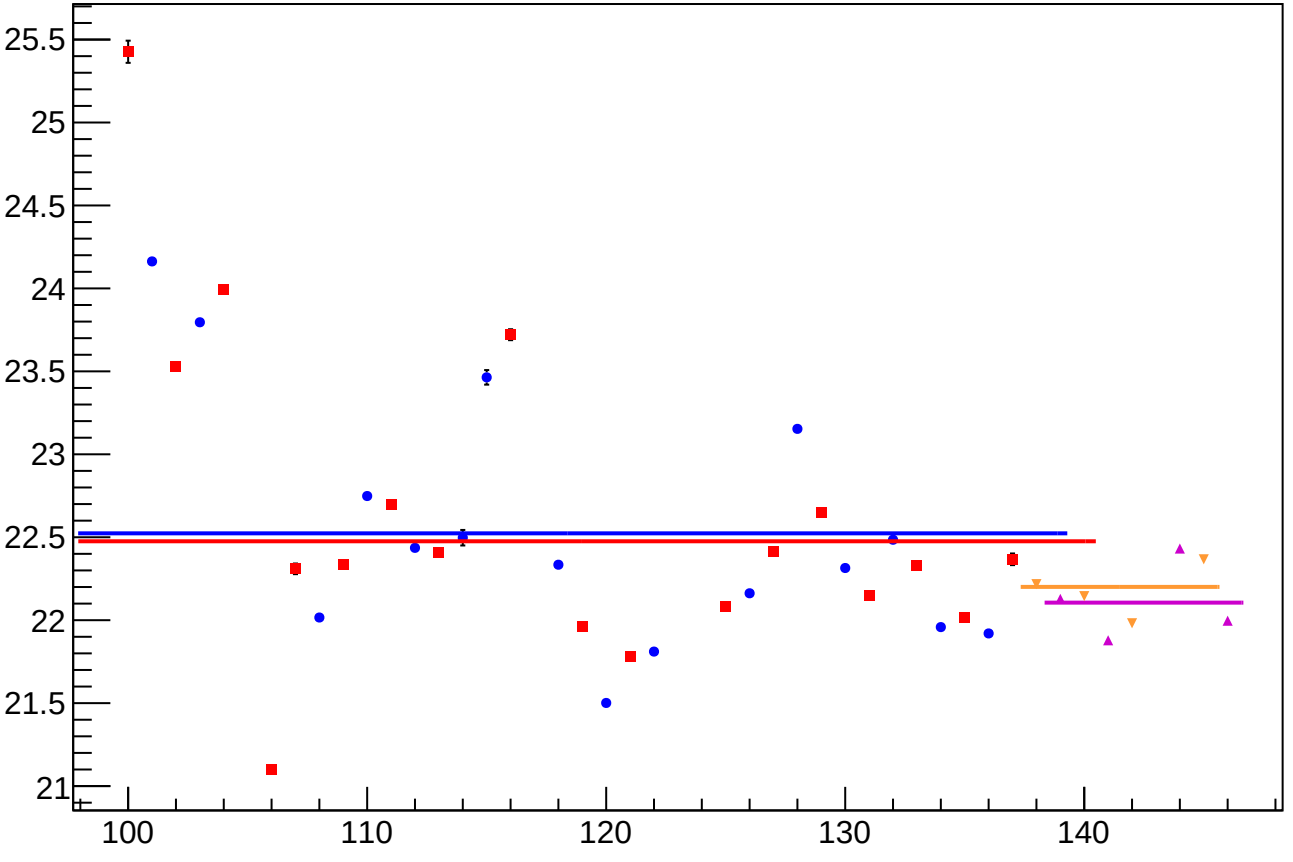
Left In: -16.748+/-11.763 χ^2/NDF:2.6/3

+ sign 10.377+/-7.052 χ^2/NDF: 23.4/19

All: -0.804+/-4.885 χ^2/NDF: 47.3/41

- sign -11.121+/-6.774 χ^2/NDF: 19.0/21

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.201+/-0.009 χ^2/NDF:189.1/3

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

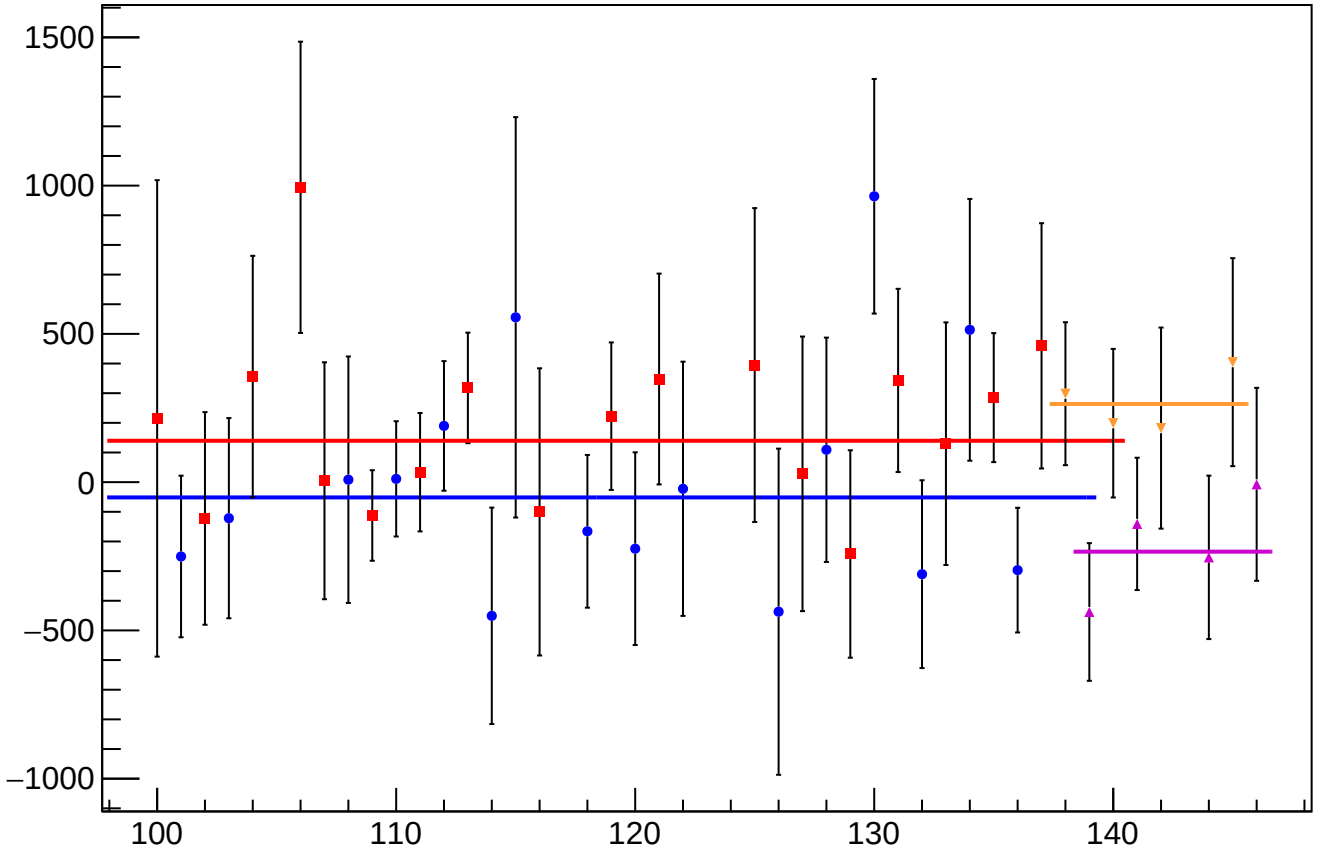
Left In: 22.106+/-0.008 χ^2/NDF:616.6/3

\+ sign 22.430+/-0.005 χ^2/NDF: 17000.2/19

All: 22.390+/-0.003 χ^2/NDF: 34598.2/41

\- sign 22.353+/-0.005 χ^2/NDF: 17474.4/21

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 263.675+/-141.466 χ^2/NDF:0.3/3

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

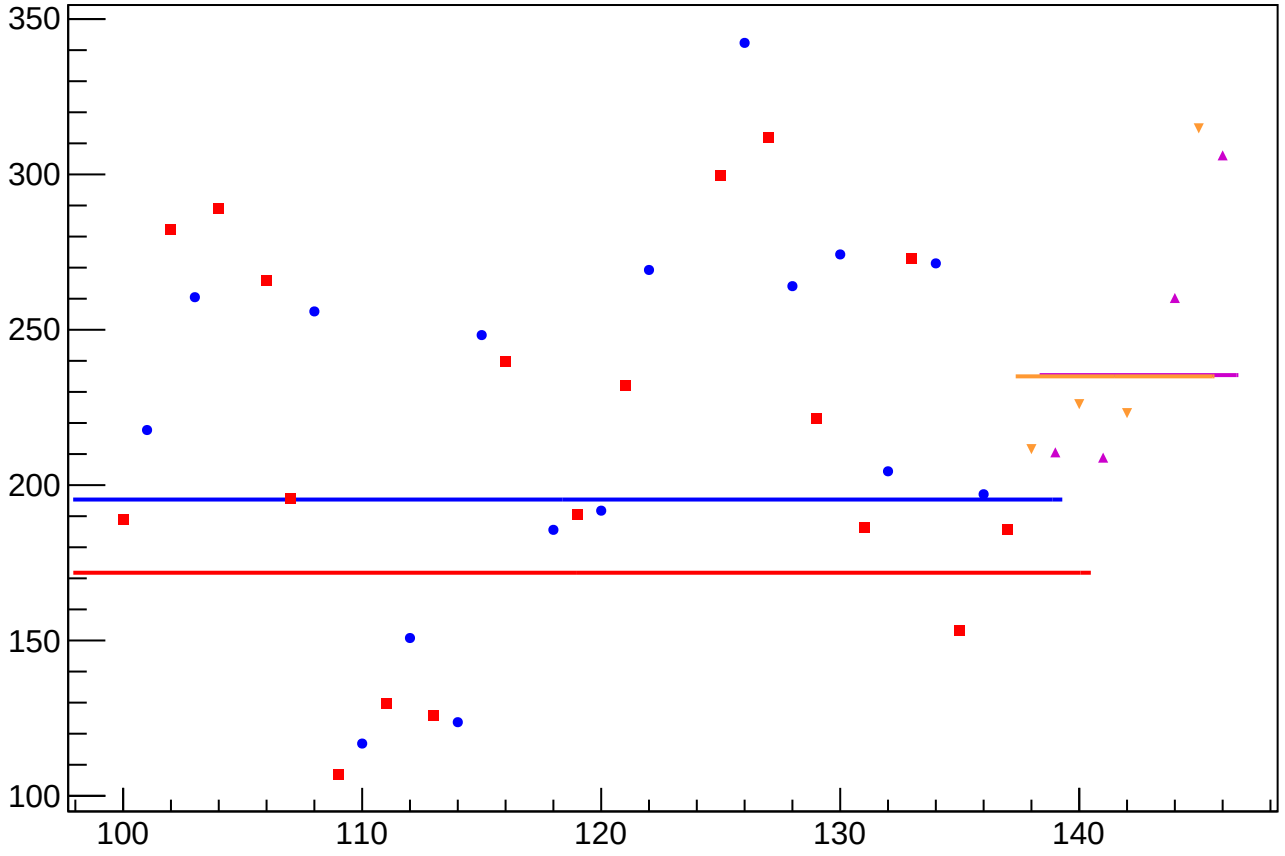
Left In: -234.435+/-127.769 χ^2/NDF:1.4/3

+ sign 20.248+/-67.494 χ^2/NDF: 19.5/19

All: 39.654+/-45.106 χ^2/NDF: 39.3/41

- sign 55.316+/-60.636 χ^2/NDF: 19.6/21

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 235.007+/-0.100 χ^2/NDF:127450.4/3

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

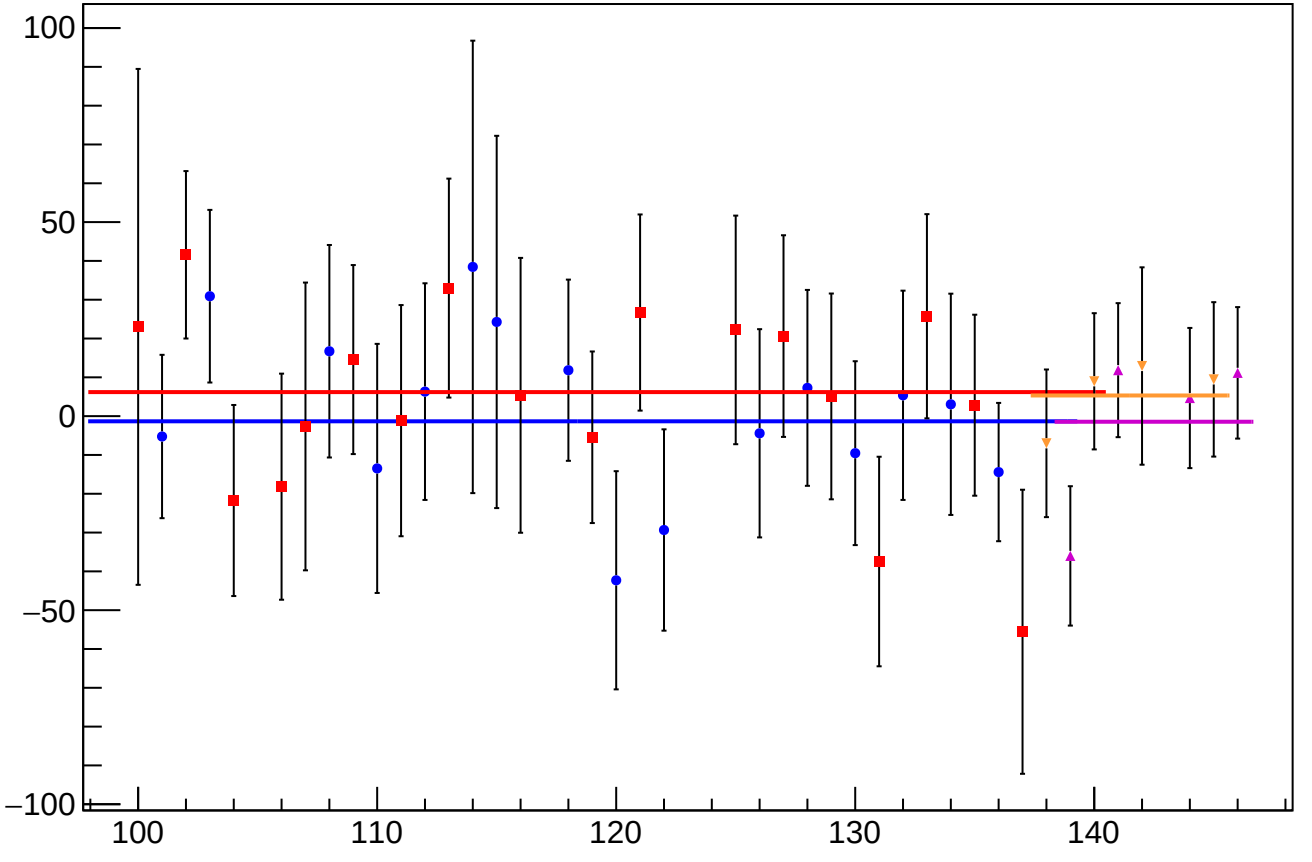
Left In: 235.413+/-0.090 χ^2/NDF:161972.0/3

+ sign 204.385+/-0.048 χ^2/NDF: 1290209.3/19

All: 194.284+/-0.032 χ^2/NDF: 3517848.1/41

- sign 186.131+/-0.043 χ^2/NDF: 2146683.1/21

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 5.325+/-9.959 χ^2/NDF:0.6/3

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

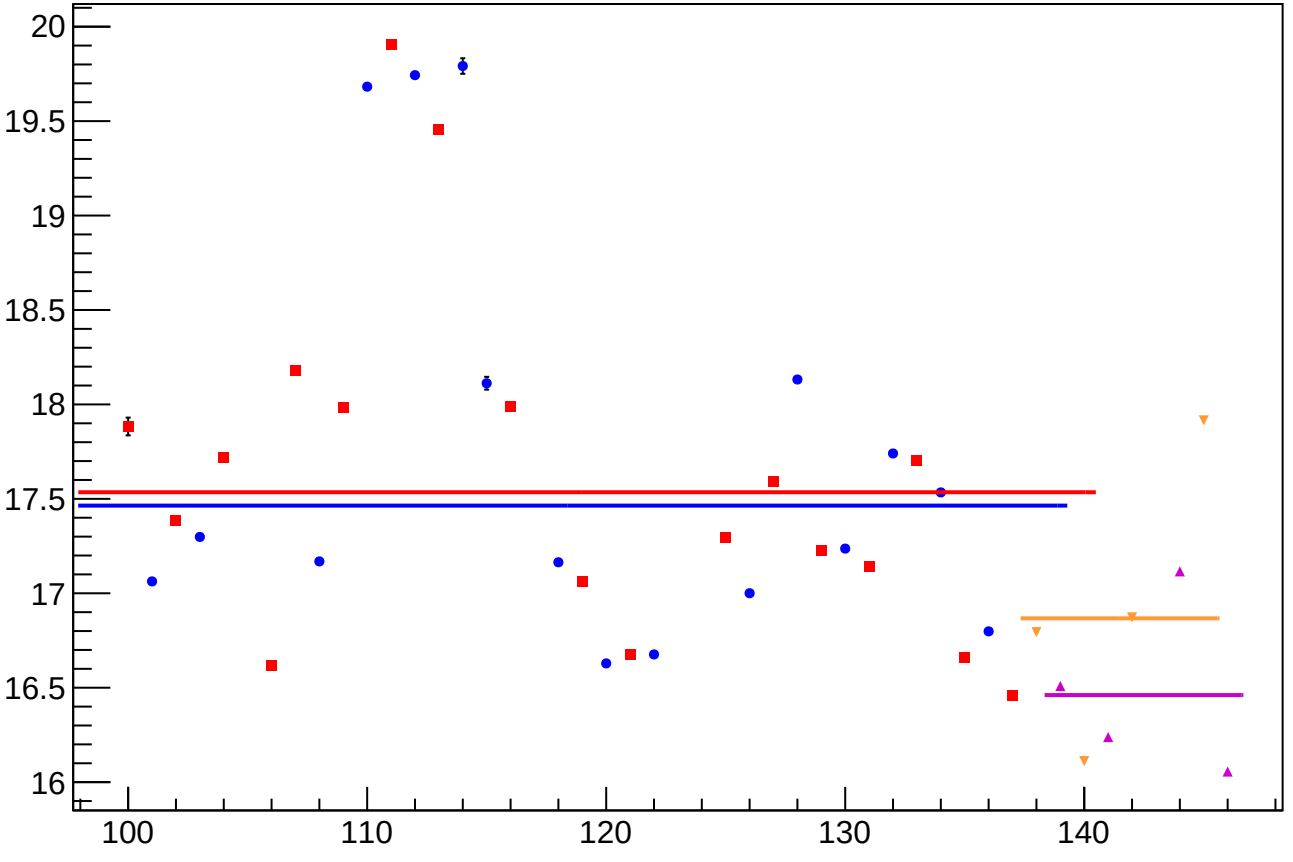
Left In: -1.444+/-8.769 χ^2/NDF:5.0/3

+ sign 0.657+/-5.442 χ^2/NDF: 8.9/19

All: 2.141+/-3.763 χ^2/NDF: 28.0/41

- sign 3.501+/-5.208 χ^2/NDF: 18.9/21

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.867+/-0.007 χ^2/NDF:9291.6/3

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

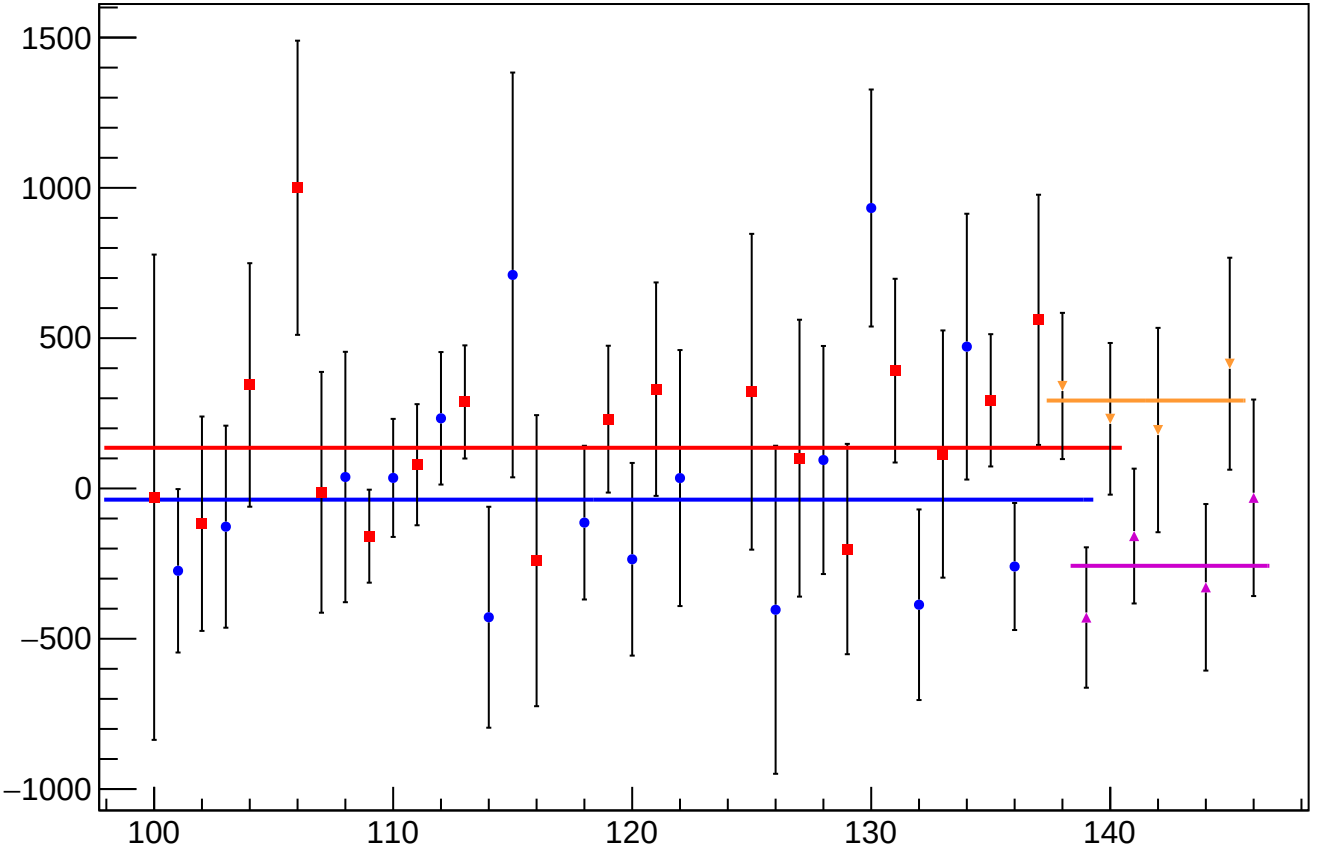
Left In: 16.461+/-0.006 χ^2/NDF:4117.9/3

\+ sign 17.286+/-0.004 χ^2/NDF: 50979.3/19

All: 17.218+/-0.003 χ^2/NDF: 109579.3/41

\- sign 17.156+/-0.004 χ^2/NDF: 58007.6/21

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 292.453+/-142.409 χ^2/NDF:0.3/3

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

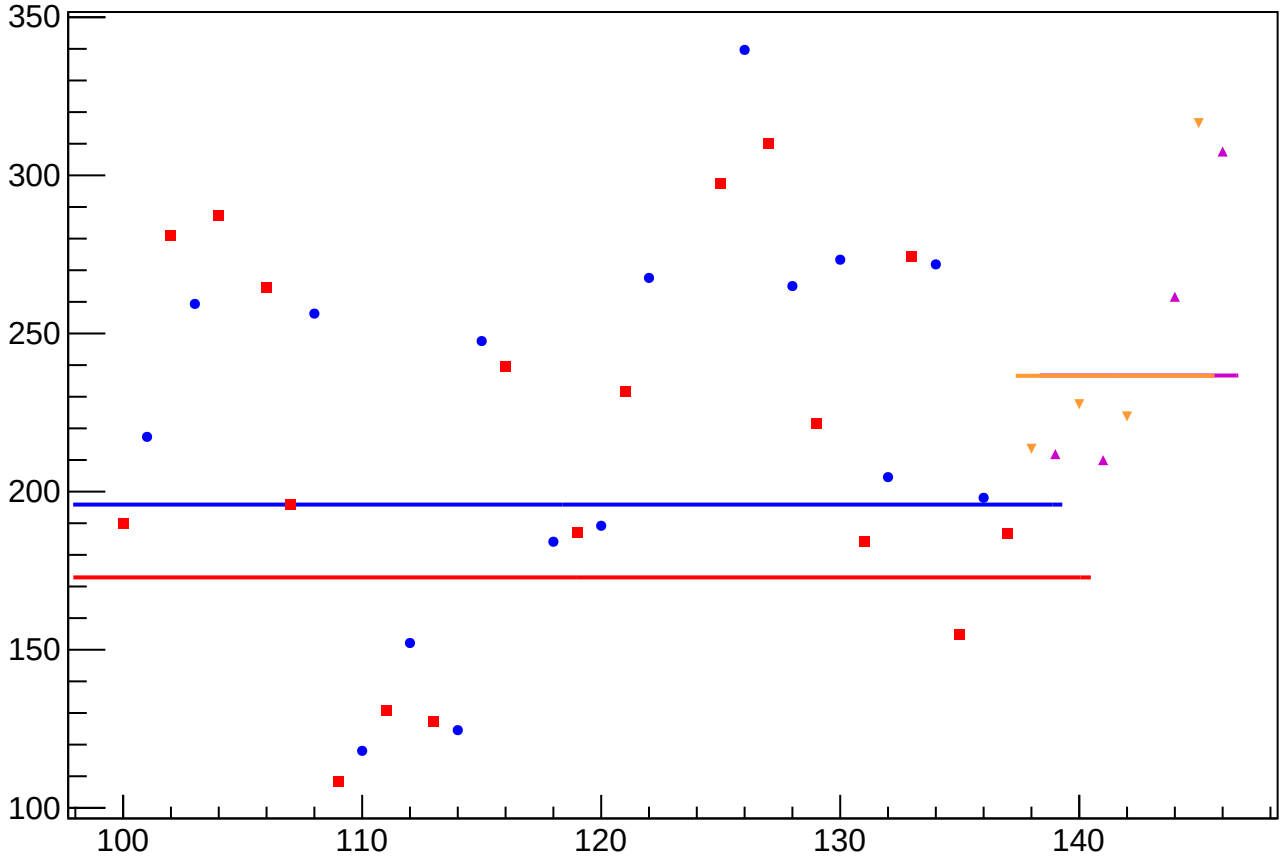
Left In: -257.340+/-128.457 χ^2/NDF:1.3/3

\+ sign 37.213+/-67.675 χ^2/NDF: 20.1/19

All: 42.651+/-45.266 χ^2/NDF: 41.4/41

\- sign 47.053+/-60.893 χ^2/NDF: 21.3/21

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 236.625+/-0.101 χ^2/NDF:126043.4/3

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

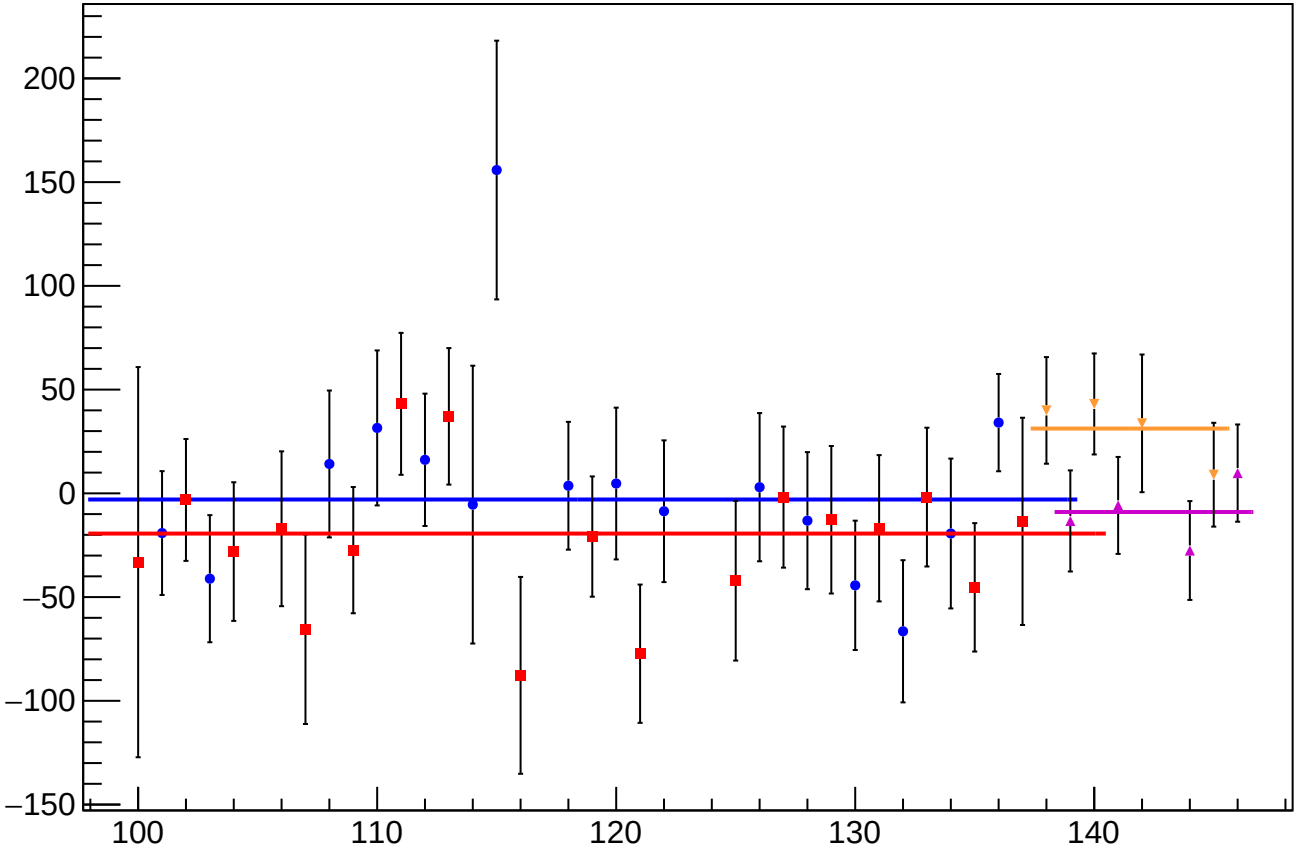
Left In: 236.715+/-0.091 χ^2/NDF:161156.1/3

+ sign 205.097+/-0.048 χ^2/NDF: 1263683.8/19

All: 195.218+/-0.032 χ^2/NDF: 3428225.6/41

- sign 187.219+/-0.043 χ^2/NDF: 2087415.0/21

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 31.225+/-13.236 χ^2/NDF:1.1/3

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

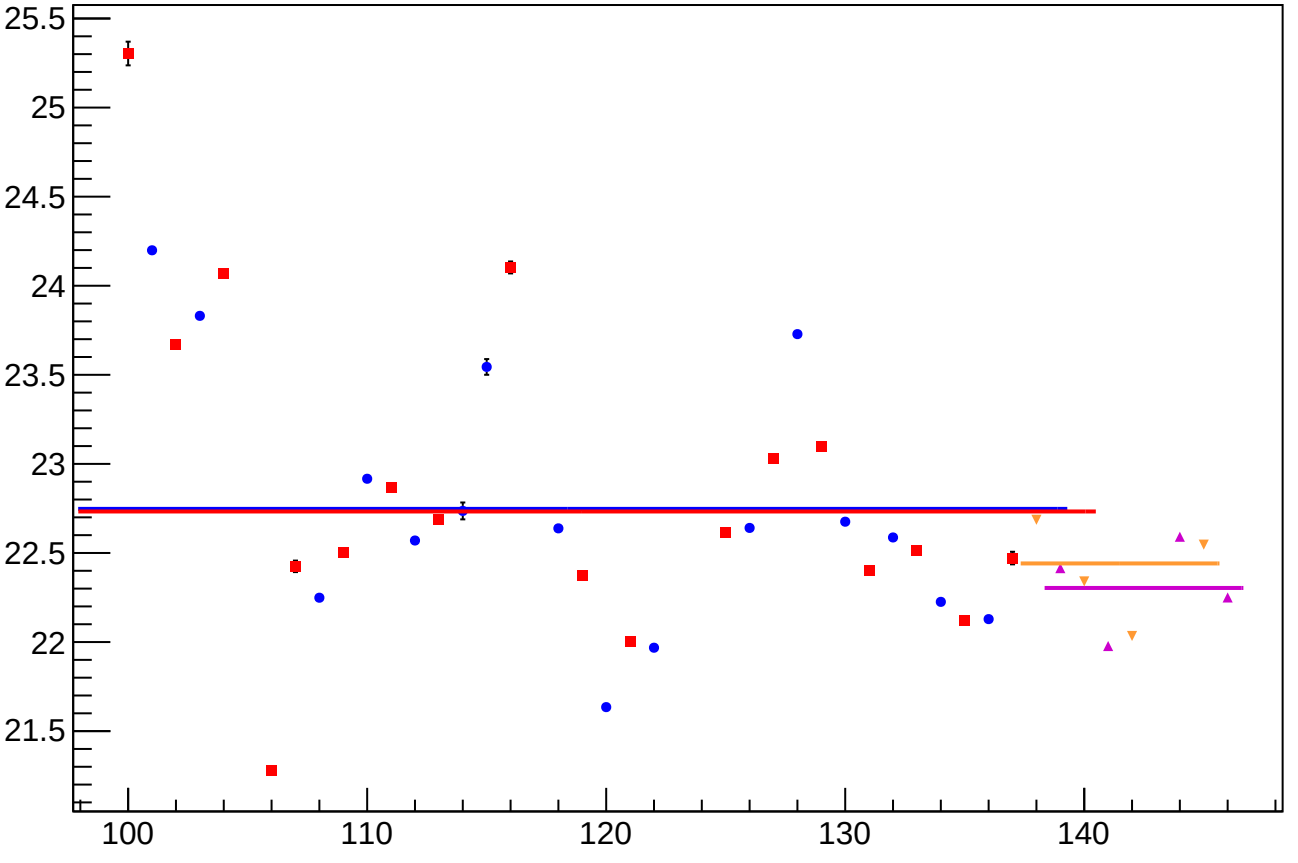
Left In: -8.995+/-11.869 χ^2/NDF:1.3/3

+ sign 6.940+/-7.125 χ^2/NDF: 23.8/19

All: -4.950+/-4.937 χ^2/NDF: 45.5/41

- sign -15.929+/-6.846 χ^2/NDF: 16.3/21

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.441+/-0.009 χ^2/NDF:553.0/3

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

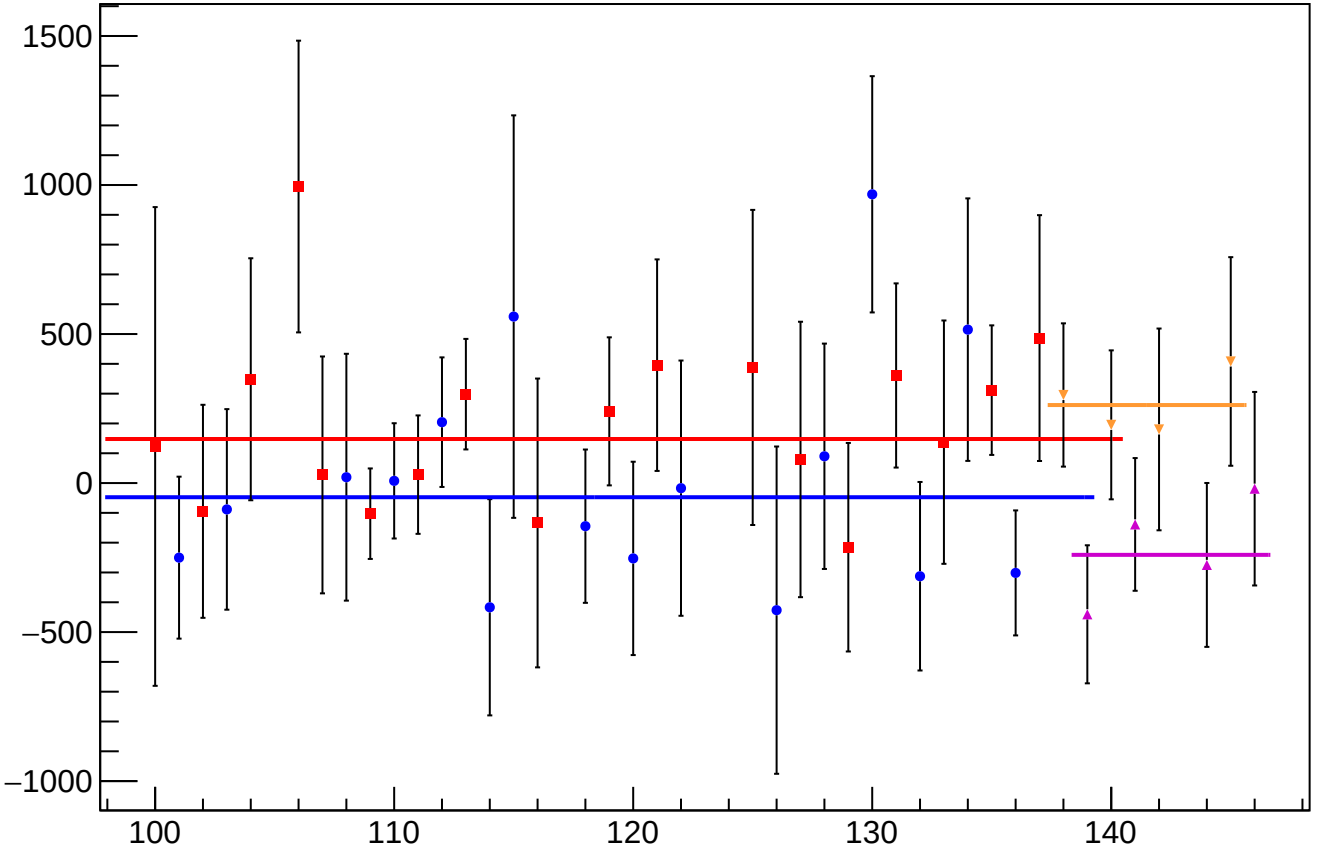
Left In: 22.304+/-0.008 χ^2/NDF:732.6/3

+ sign 22.659+/-0.005 χ^2/NDF: 15936.2/19

All: 22.623+/-0.003 χ^2/NDF: 32901.0/41

- sign 22.590+/-0.005 χ^2/NDF: 16868.2/21

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 261.763+/-141.120 χ^2/NDF:0.3/3

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

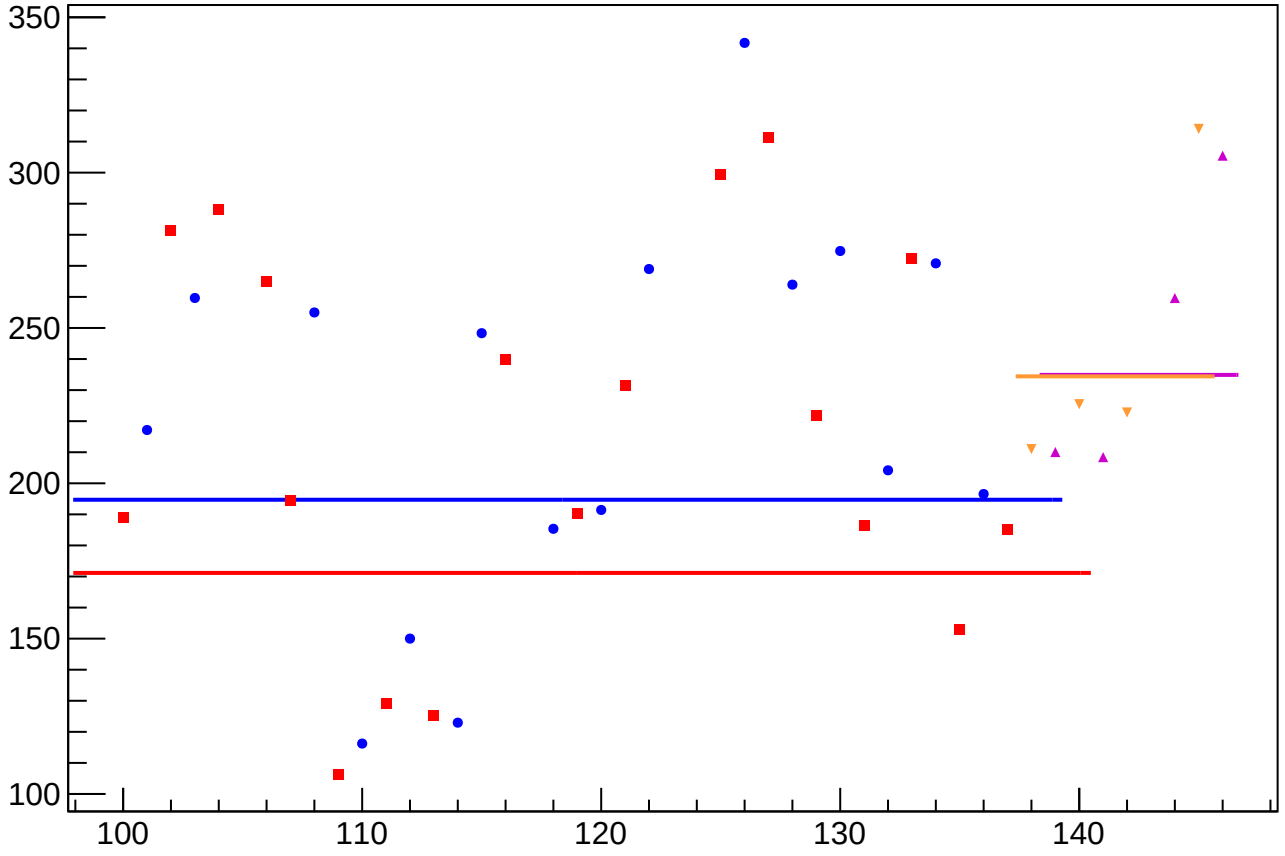
Left In: -240.893+/-127.488 χ^2/NDF:1.4/3

+ sign 22.824+/-67.302 χ^2/NDF: 19.4/19

All: 43.631+/-44.973 χ^2/NDF: 39.8/41

- sign 60.418+/-60.450 χ^2/NDF: 20.2/21

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 234.429+/-0.100 χ^2/NDF:127559.4/3

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

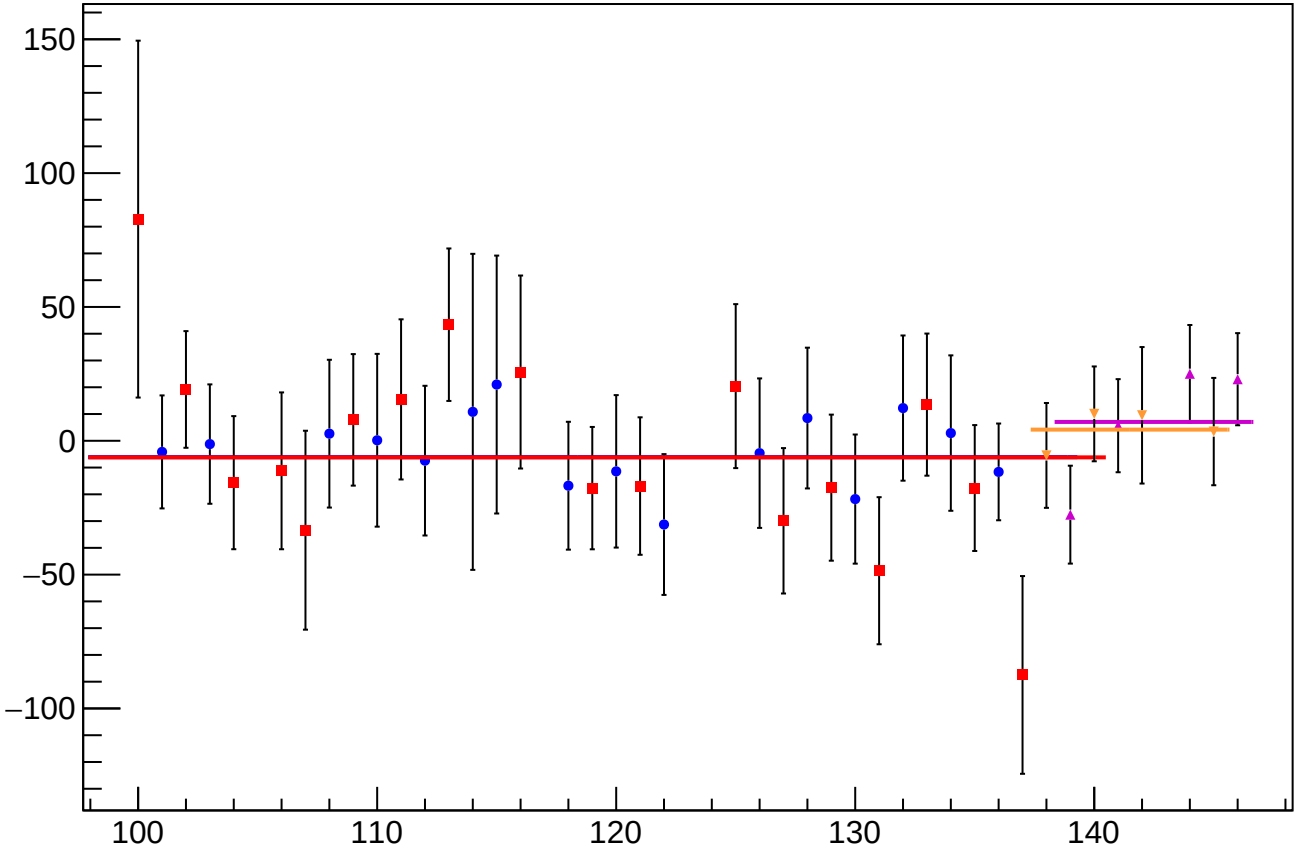
Left In: 234.895+/-0.090 χ^2/NDF:161902.2/3

+ sign 203.742+/-0.048 χ^2/NDF: 1302262.6/19

All: 193.638+/-0.032 χ^2/NDF: 3545061.7/41

- sign 185.487+/-0.043 χ^2/NDF: 2161353.1/21

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.178+/-10.092 χ^2/NDF:0.4/3

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

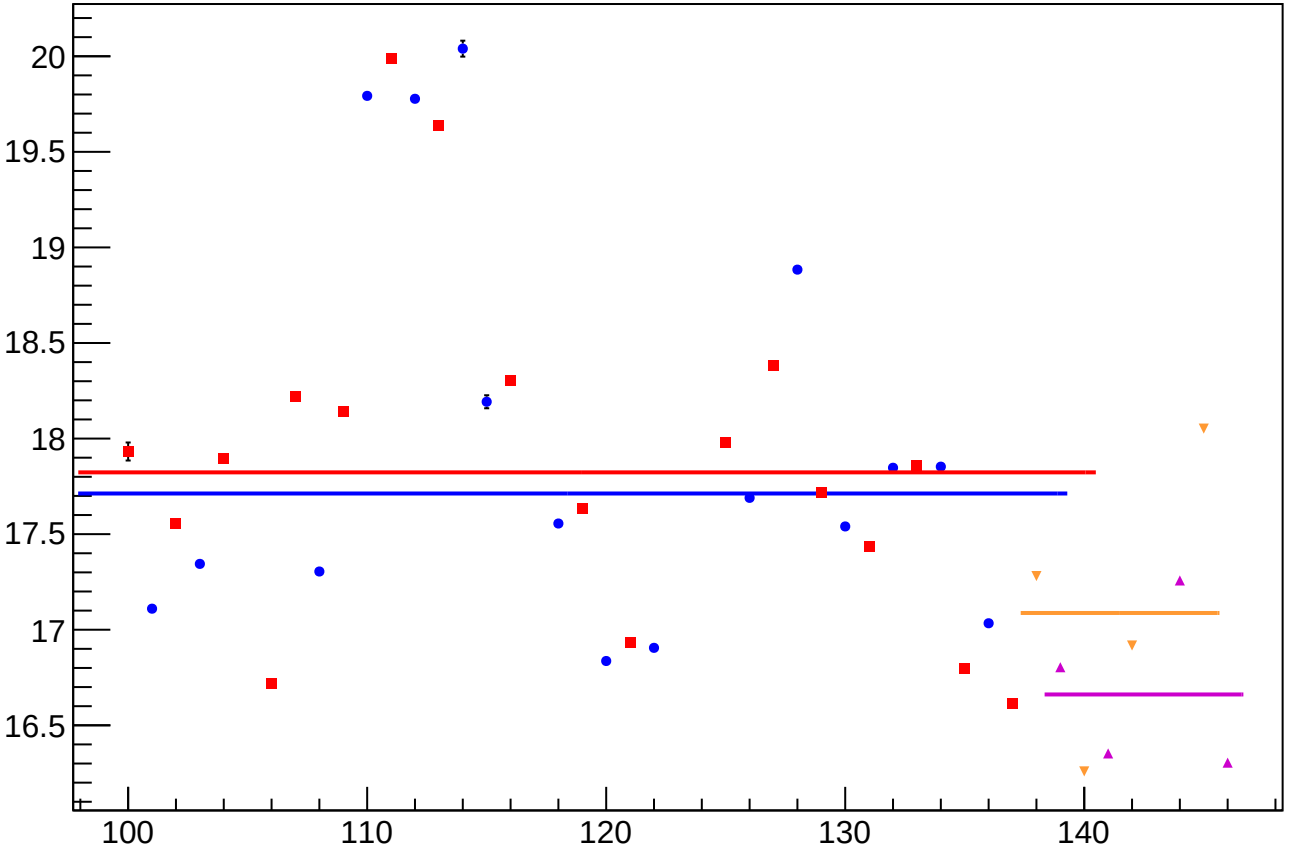
Left In: 7.041+/-8.878 χ^2/NDF:5.4/3

+ sign -3.040+/-5.519 χ^2/NDF: 4.3/19

All: -2.237+/-3.818 χ^2/NDF: 29.8/41

- sign -1.501+/-5.287 χ^2/NDF: 25.5/21

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.088+/-0.007 χ^2/NDF:9290.3/3

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

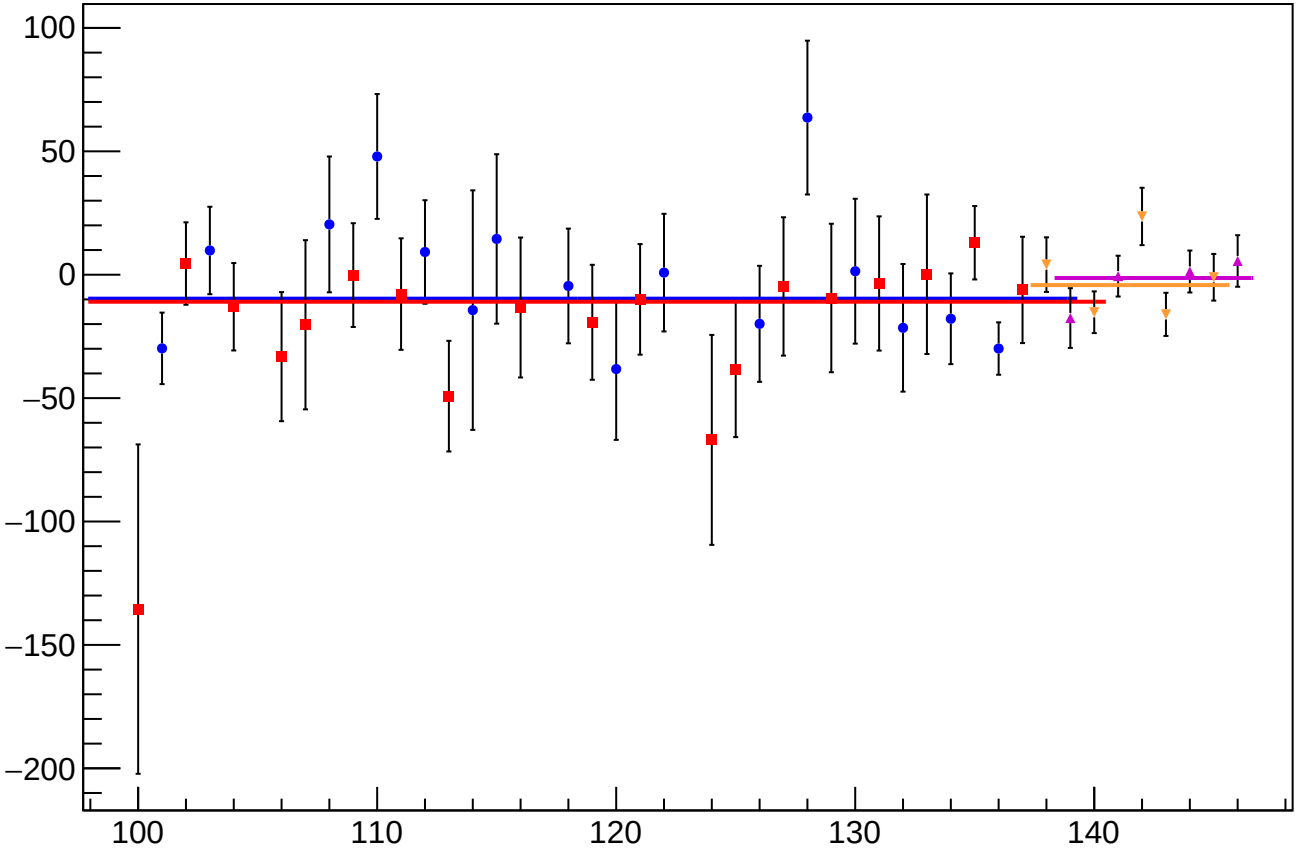
Left In: 16.661+/-0.006 χ^2/NDF:3754.8/3

+ sign 17.526+/-0.004 χ^2/NDF: 50651.0/19

All: 17.466+/-0.003 χ^2/NDF: 109464.9/41

- sign 17.411+/-0.004 χ^2/NDF: 58365.1/21

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -4.205+/-4.310 χ^2/NDF:9.9/4

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

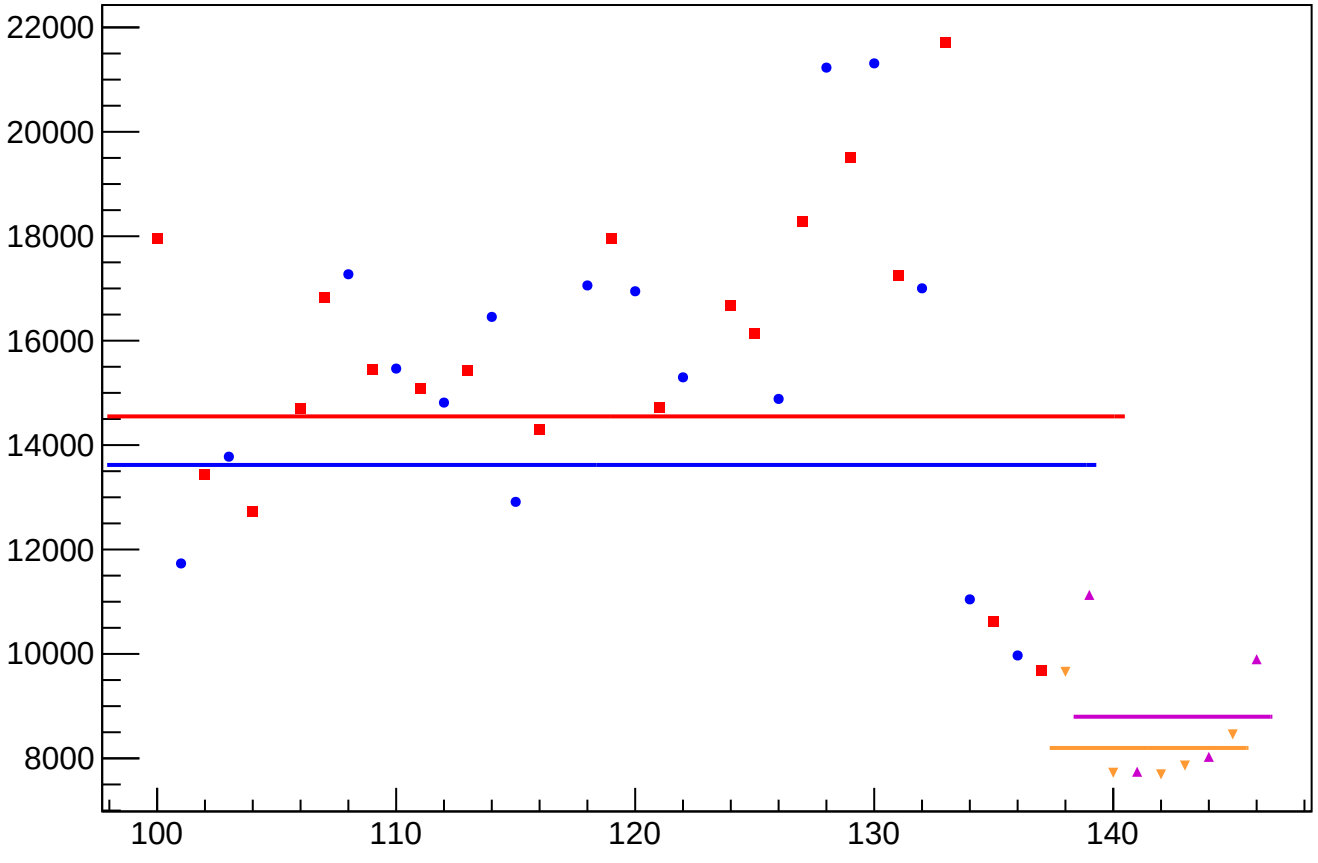
Left In: -1.328+/-4.742 χ^2/NDF:2.3/3

+ sign -6.427+/-3.327 χ^2/NDF: 32.6/20

All: -5.988+/-2.435 χ^2/NDF: 50.8/43

- sign -5.481+/-3.574 χ^2/NDF: 18.2/22

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8199.401+/-3.048 χ^2/NDF:49304.8/4

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

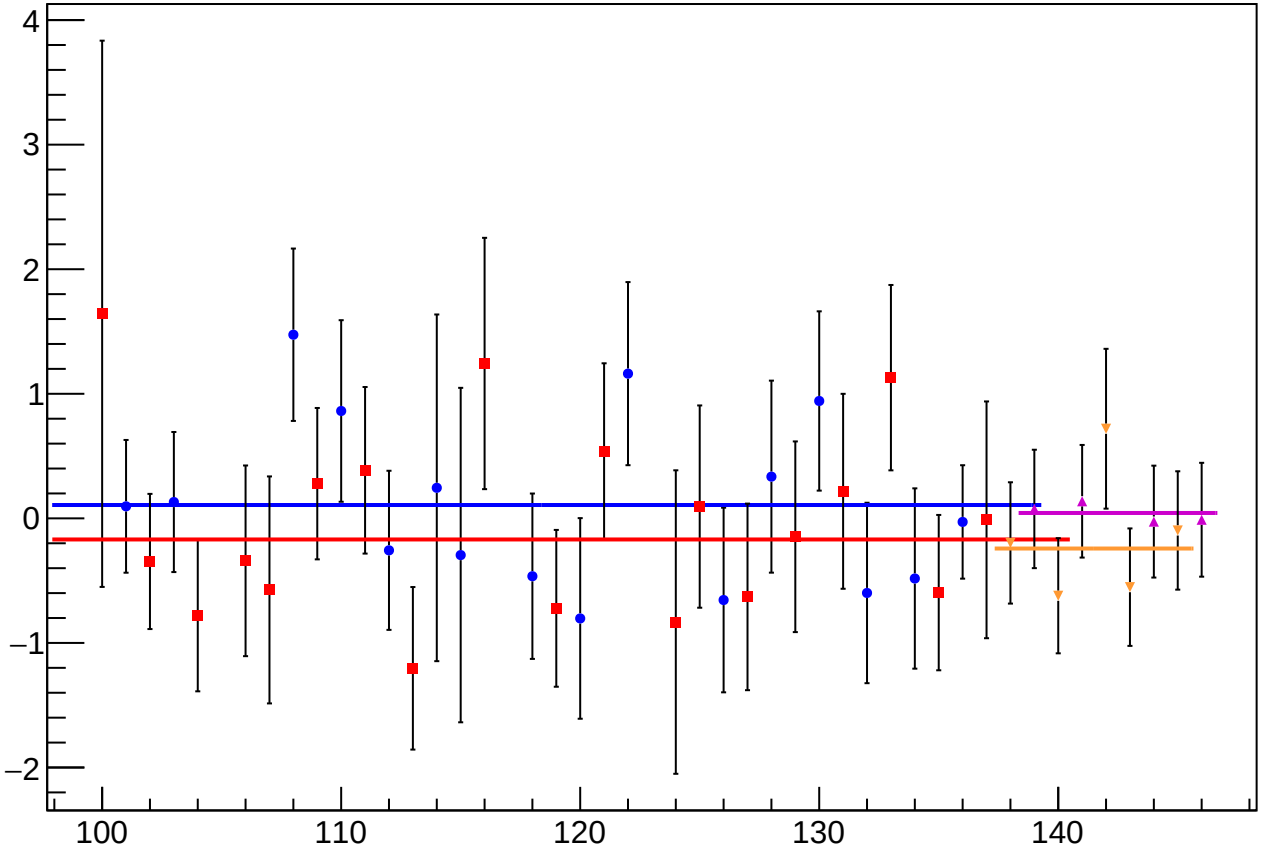
Left In: 8797.360+/-3.353 χ^2/NDF:145368.0/3

+ sign 10391.155+/-2.352 χ^2/NDF: 2075247.7/20

All: 10805.295+/-1.722 χ^2/NDF: 4114893.8/4

- sign 11283.249+/-2.527 χ^2/NDF: 1972873.8/22

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.242+/-0.222 χ^2/NDF:3.5/4

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

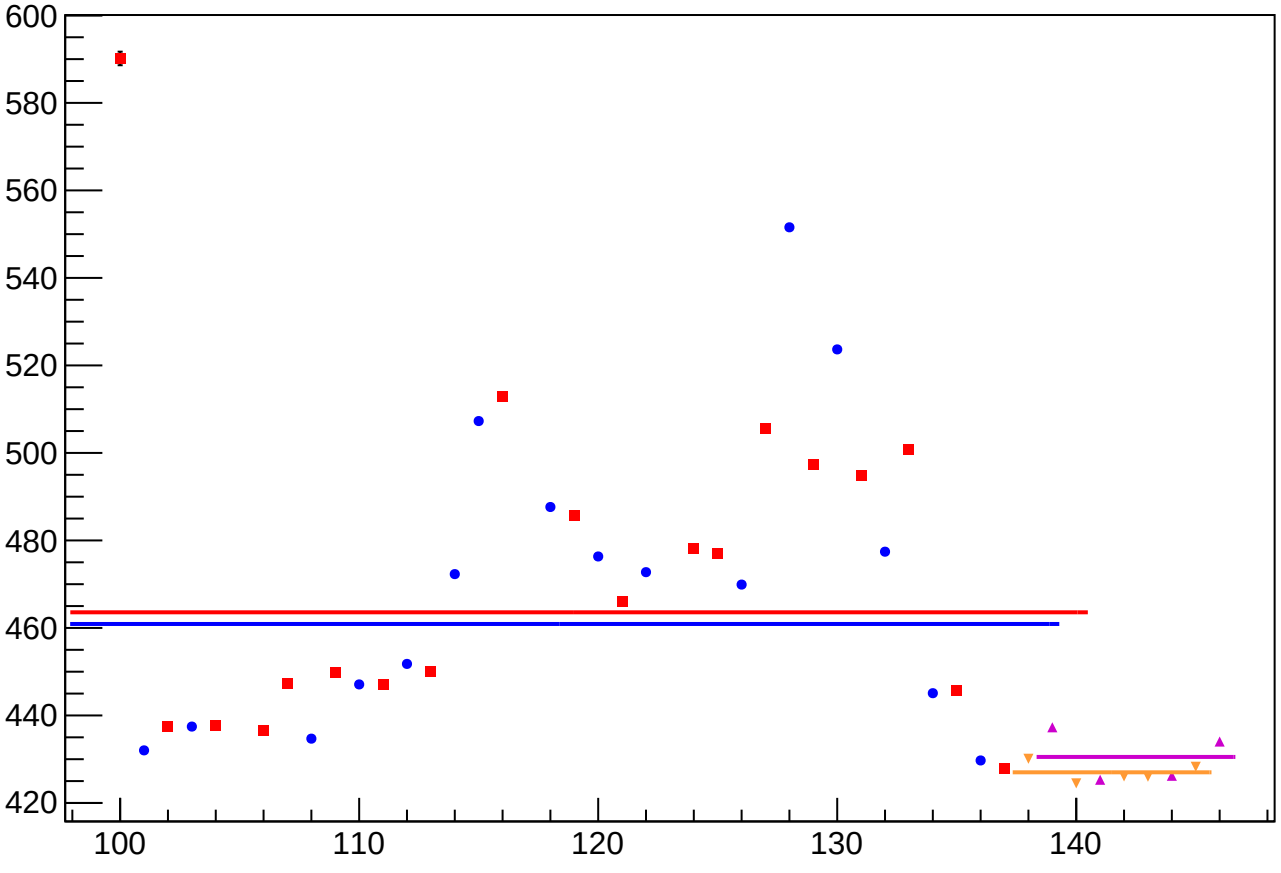
Left In: 0.043+/-0.229 χ^2/NDF:0.1/3

+ sign -0.023+/-0.136 χ^2/NDF: 18.7/20

All: -0.059+/-0.096 χ^2/NDF: 33.6/43

- sign -0.094+/-0.136 χ^2/NDF: 14.7/22

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 427.005+/-0.157 χ^2/NDF:168.3/4

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

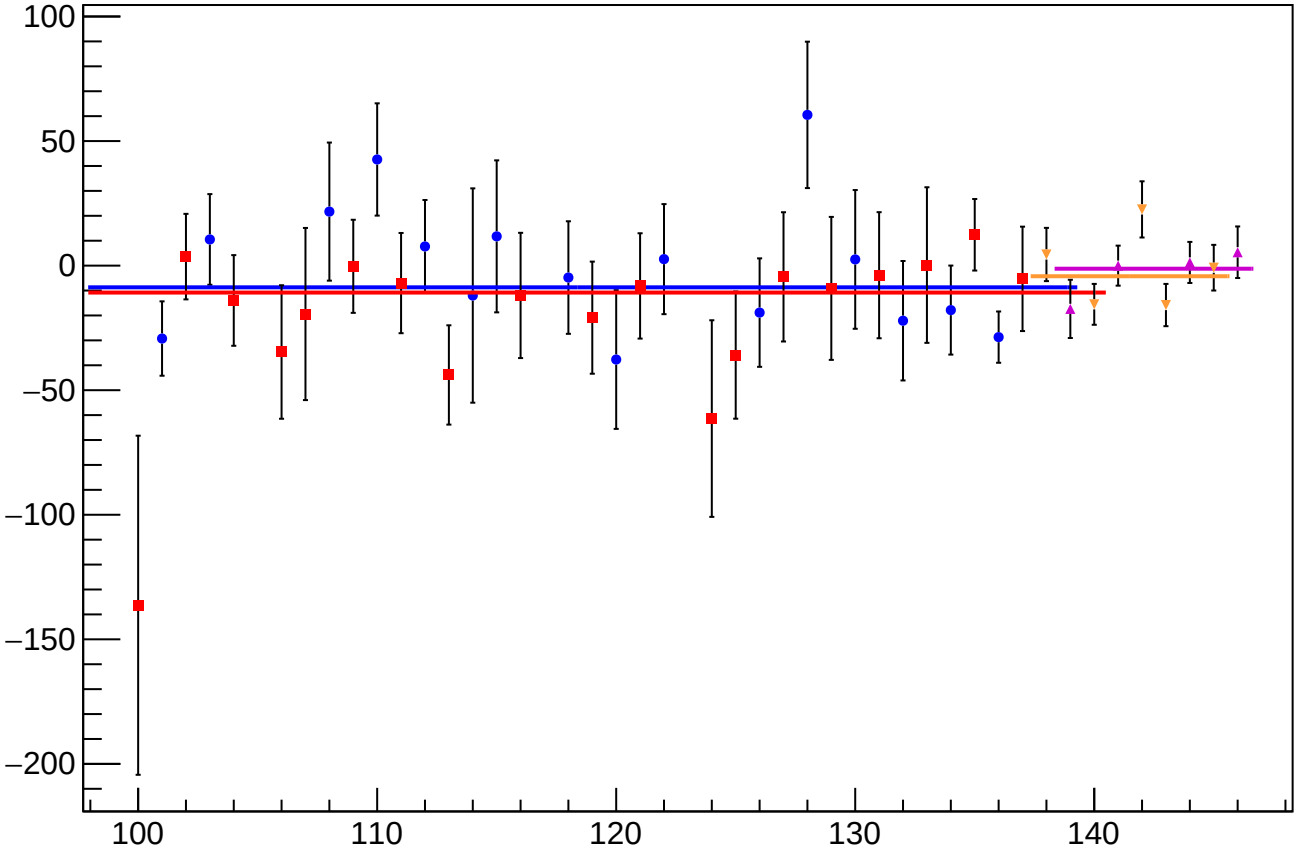
Left In: 430.520+/-0.162 χ^2/NDF:974.6/3

+ sign 448.230+/-0.096 χ^2/NDF: 104249.6/20

All: 450.051+/-0.068 χ^2/NDF: 185042.1/43

- sign 451.881+/-0.096 χ^2/NDF: 80072.1/22

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -4.258+/-4.178 χ^2/NDF:10.2/4

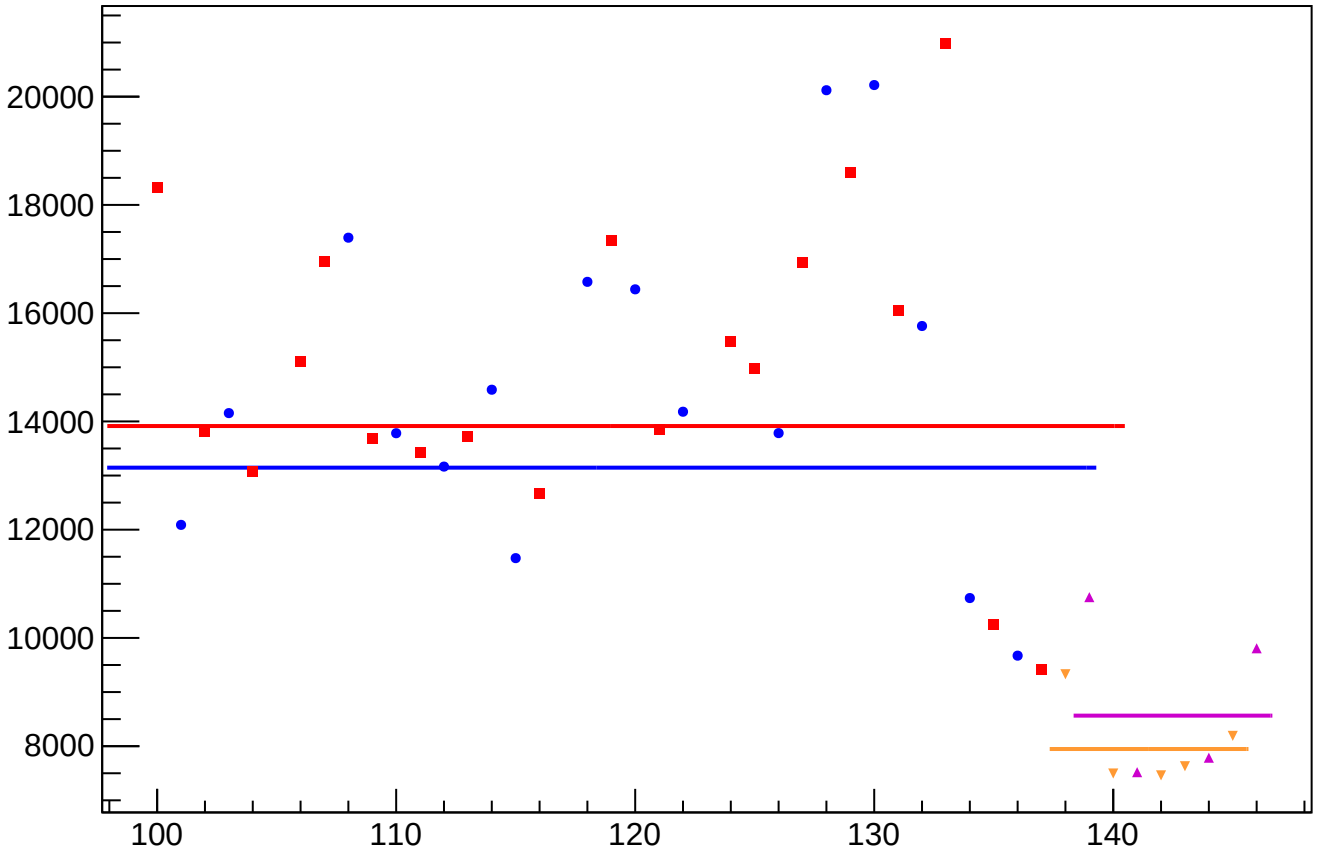
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.237+/-4.619 χ^2/NDF:2.4/3

+ sign -6.072+/-3.216 χ^2/NDF: 33.0/20

All: -5.790+/-2.353 χ^2/NDF: 51.2/43

- sign -5.465+/-3.451 χ^2/NDF: 18.2/22



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 7947.904+/-2.955 χ^2/NDF:47433.2/4

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

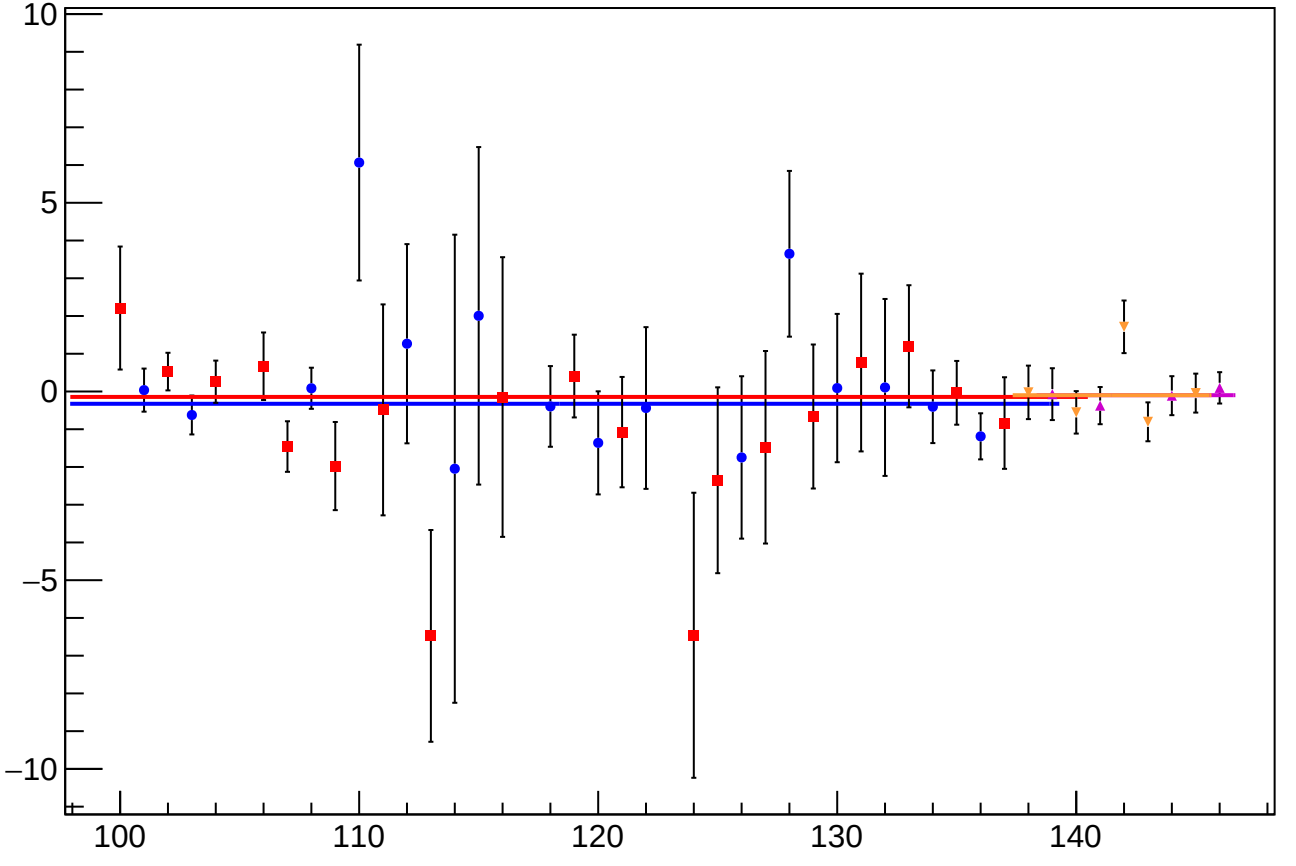
Left In: 8564.532+/-3.266 χ^2/NDF:150648.4/3

+ sign 10067.390+/-2.274 χ^2/NDF: 1992079.1/20

All: 10467.499+/-1.663 χ^2/NDF: 3906046.1/4

- sign 10928.254+/-2.440 χ^2/NDF: 1847345.1/22

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.099+/-0.261 χ^2/NDF:9.3/4

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

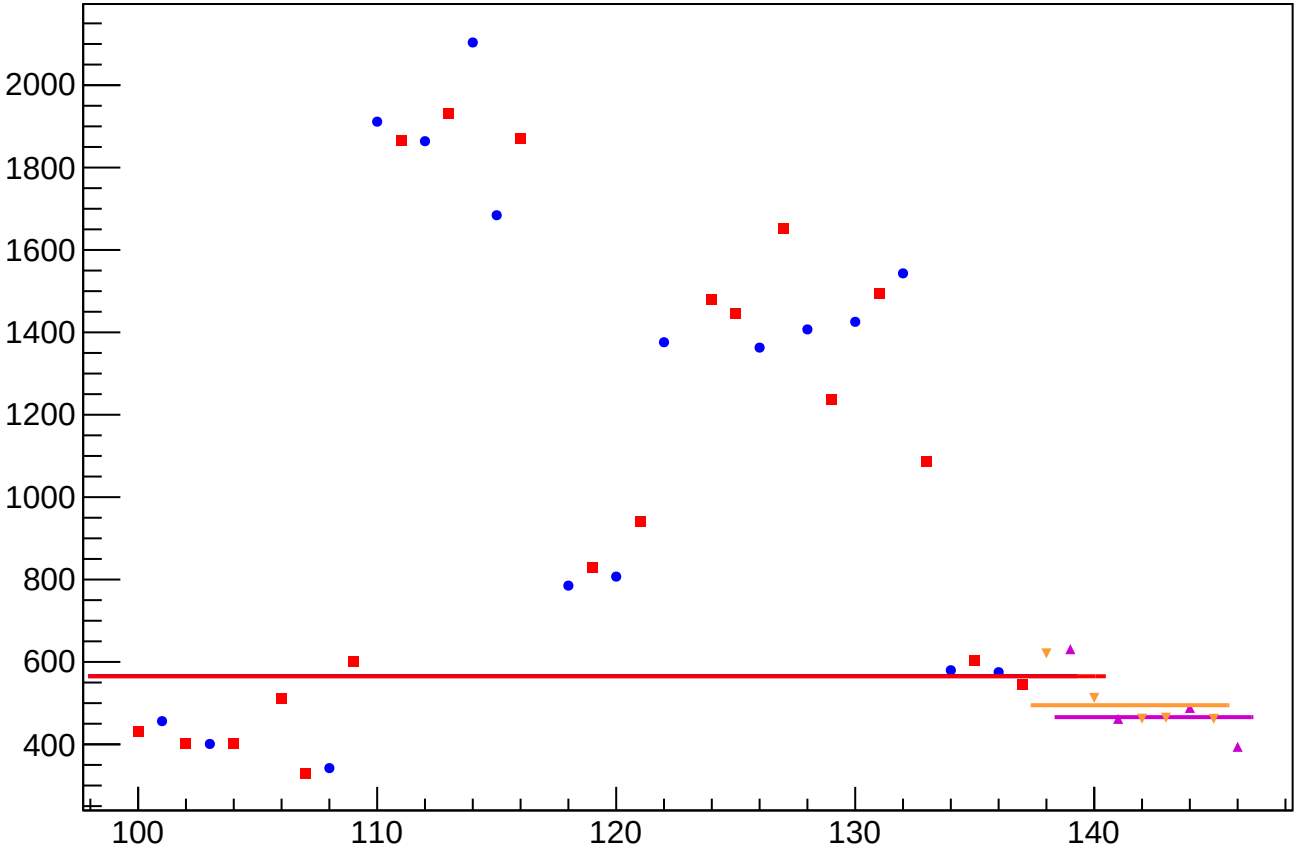
Left In: -0.098+/-0.252 χ^2/NDF:0.5/3

+ sign -0.220+/-0.178 χ^2/NDF: 22.3/20

All: -0.170+/-0.125 χ^2/NDF: 45.4/43

- sign -0.122+/-0.175 χ^2/NDF: 23.0/22

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 494.949+/-0.184 χ^2/NDF:84586.2/4

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

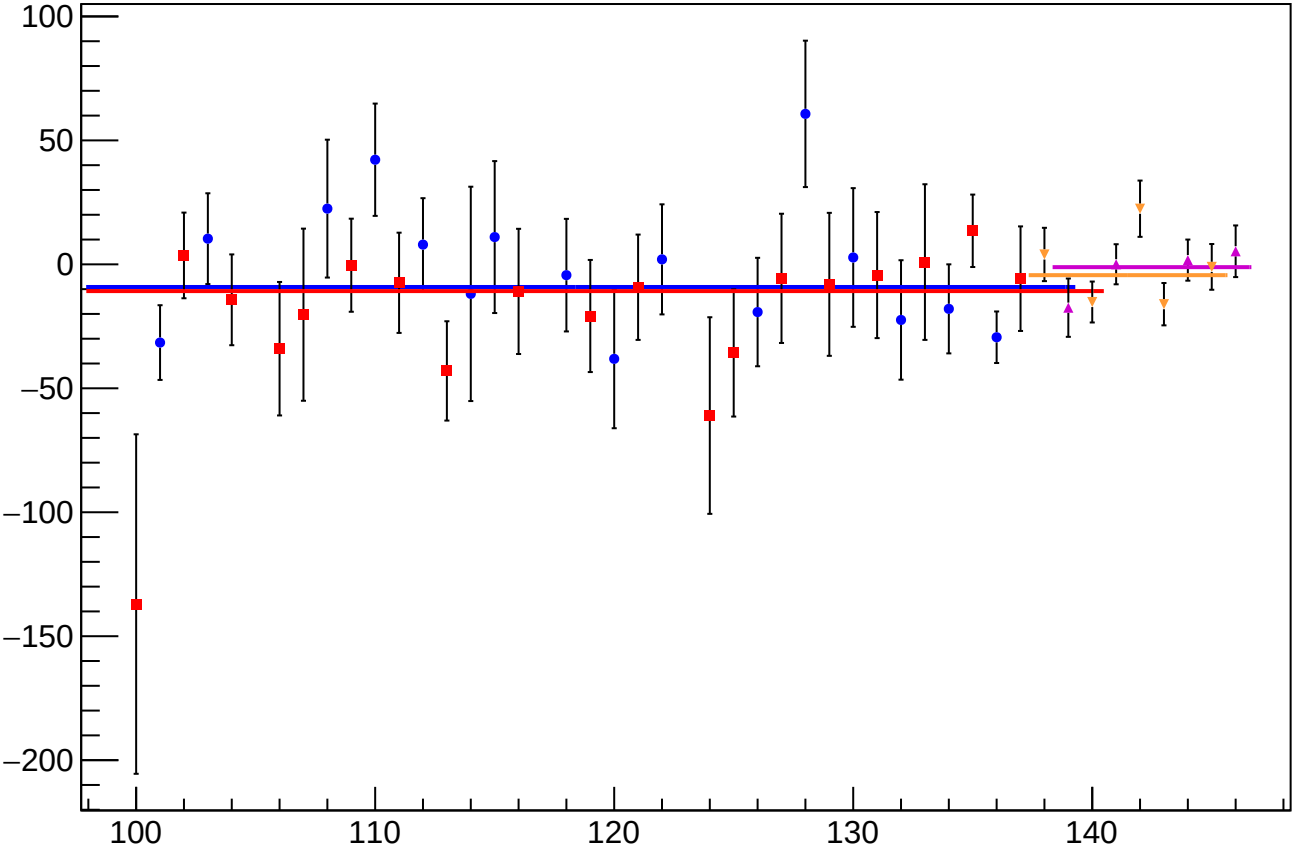
Left In: 465.992+/-0.178 χ^2/NDF:179427.3/3

+ sign 532.534+/-0.126 χ^2/NDF: 3613276.1/20

All: 524.678+/-0.088 χ^2/NDF: 7532023.2/43

- sign 517.068+/-0.124 χ^2/NDF: 3911089.0/22

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -4.364+/-4.205 χ^2/NDF:9.9/4

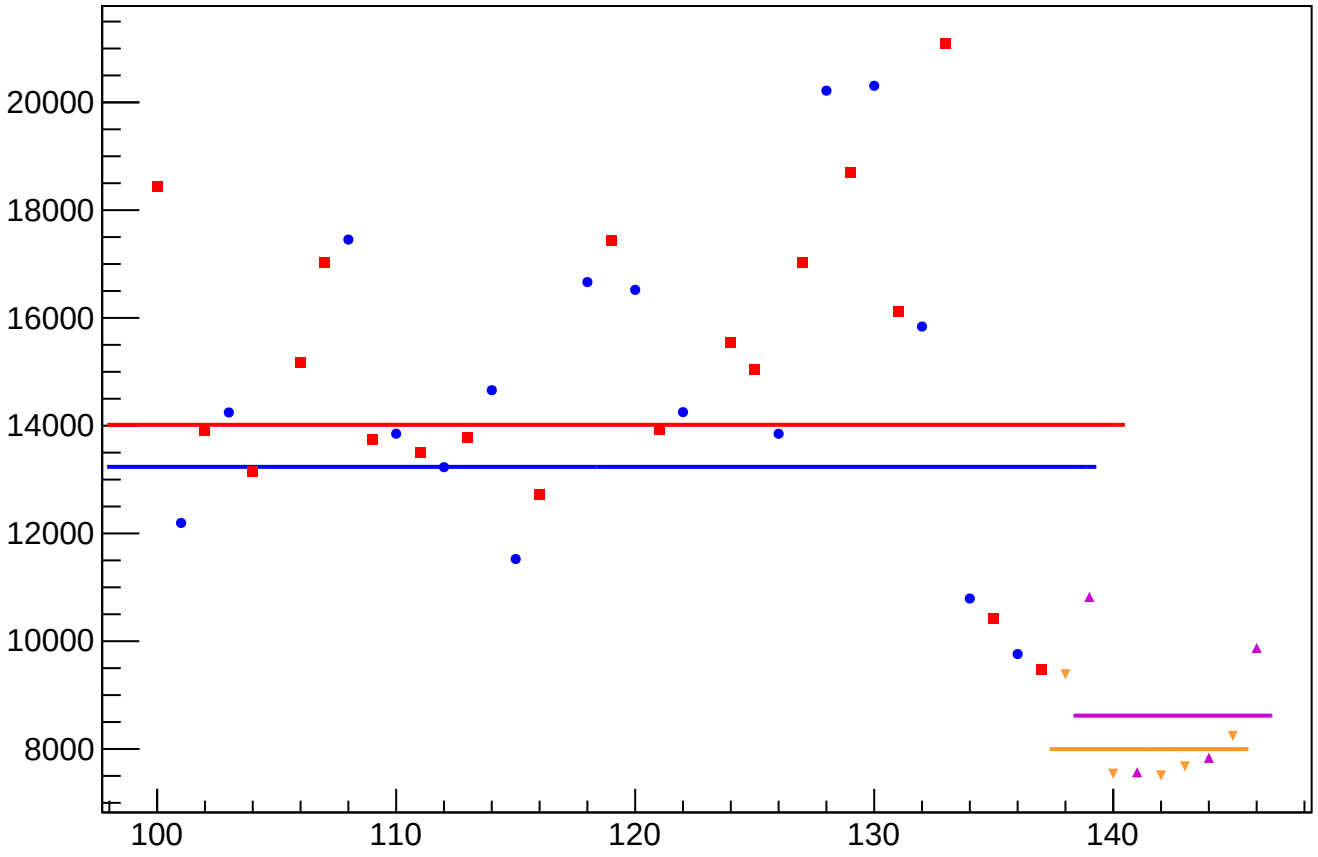
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.130+/-4.648 χ^2/NDF:2.4/3

+ sign -6.307+/-3.236 χ^2/NDF: 33.2/20

All: -5.883+/-2.368 χ^2/NDF: 51.3/43

- sign -5.394+/-3.473 χ^2/NDF: 18.1/22



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 7997.914+/-2.973 χ^2/NDF:47364.1/4

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

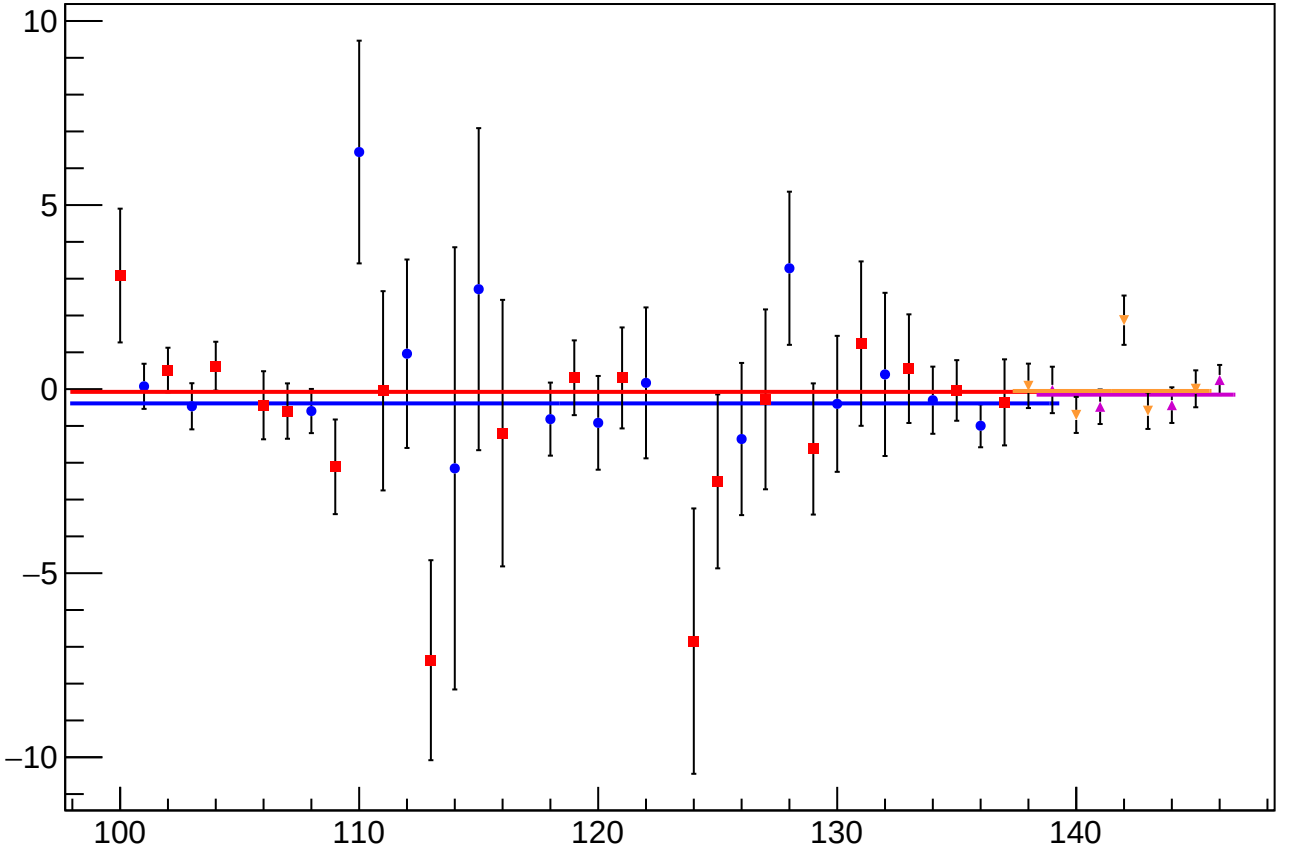
Left In: 8618.868+/-3.287 χ^2/NDF:150823.5/3

+ sign 10132.789+/-2.288 χ^2/NDF: 1986241.7/20

All: 10536.646+/-1.674 χ^2/NDF: 3893343.5/4

- sign 11001.863+/-2.456 χ^2/NDF: 1840080.8/22

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.241 χ^2/NDF:11.3/4

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

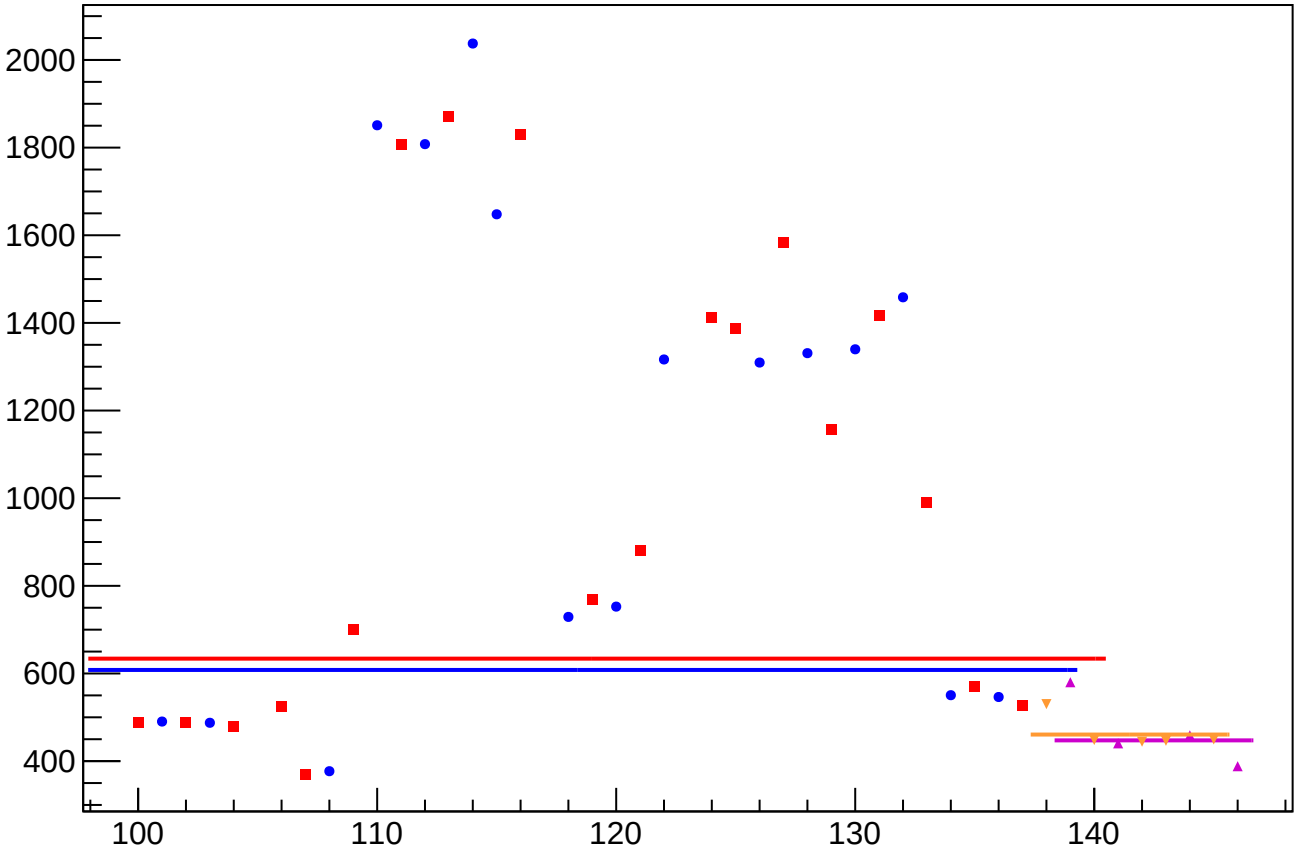
Left In: -0.151+/-0.240 χ^2/NDF:1.8/3

+ sign -0.209+/-0.175 χ^2/NDF: 23.8/20

All: -0.163+/-0.125 χ^2/NDF: 47.5/43

- sign -0.116+/-0.178 χ^2/NDF: 23.6/22

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 460.660+/-0.170 χ^2/NDF:31611.0/4

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

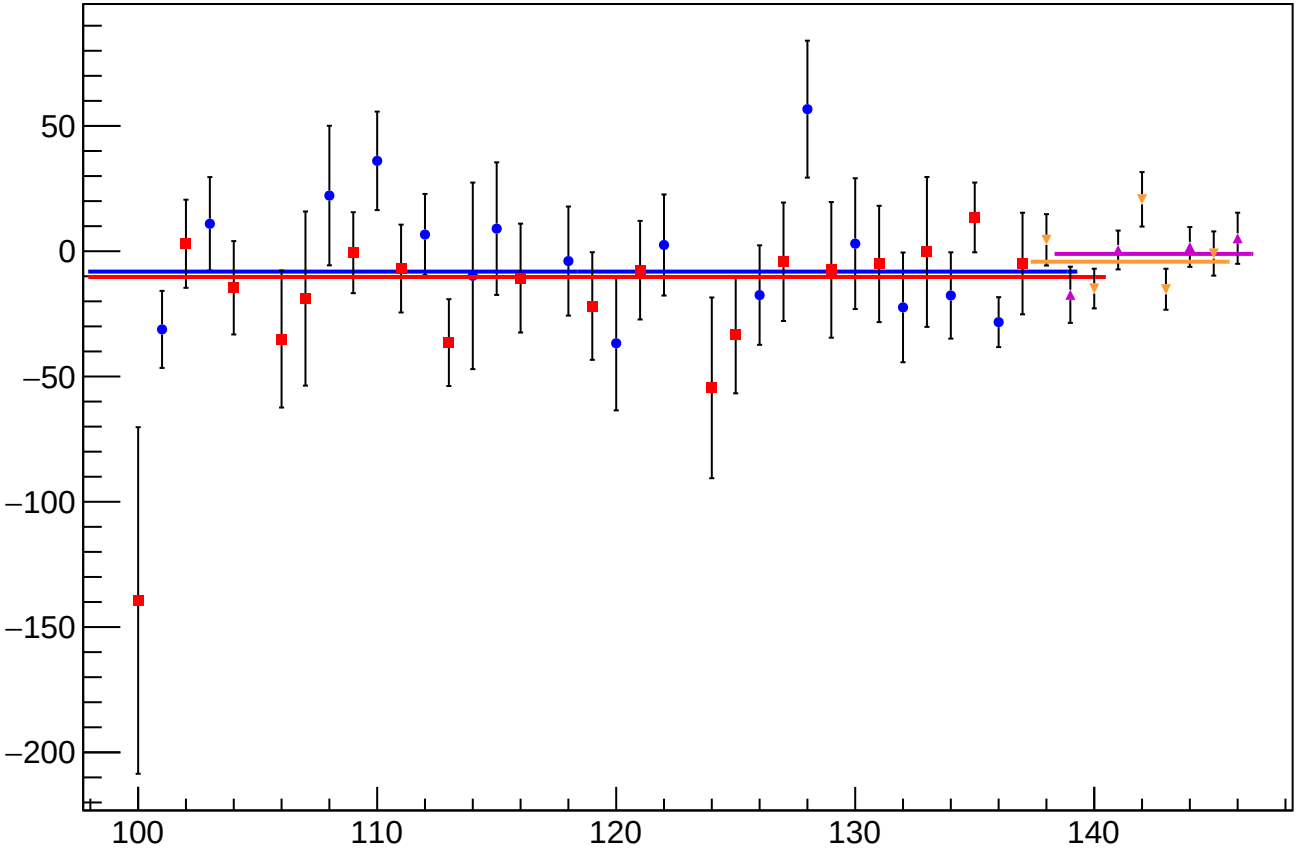
Left In: 447.371+/-0.170 χ^2/NDF:131632.9/3

+ sign 530.026+/-0.124 χ^2/NDF: 3236190.4/20

All: 530.882+/-0.088 χ^2/NDF: 6700779.8/43

- sign 531.763+/-0.126 χ^2/NDF: 3464492.7/22

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -4.179+/-4.025 χ^2/NDF:9.7/4

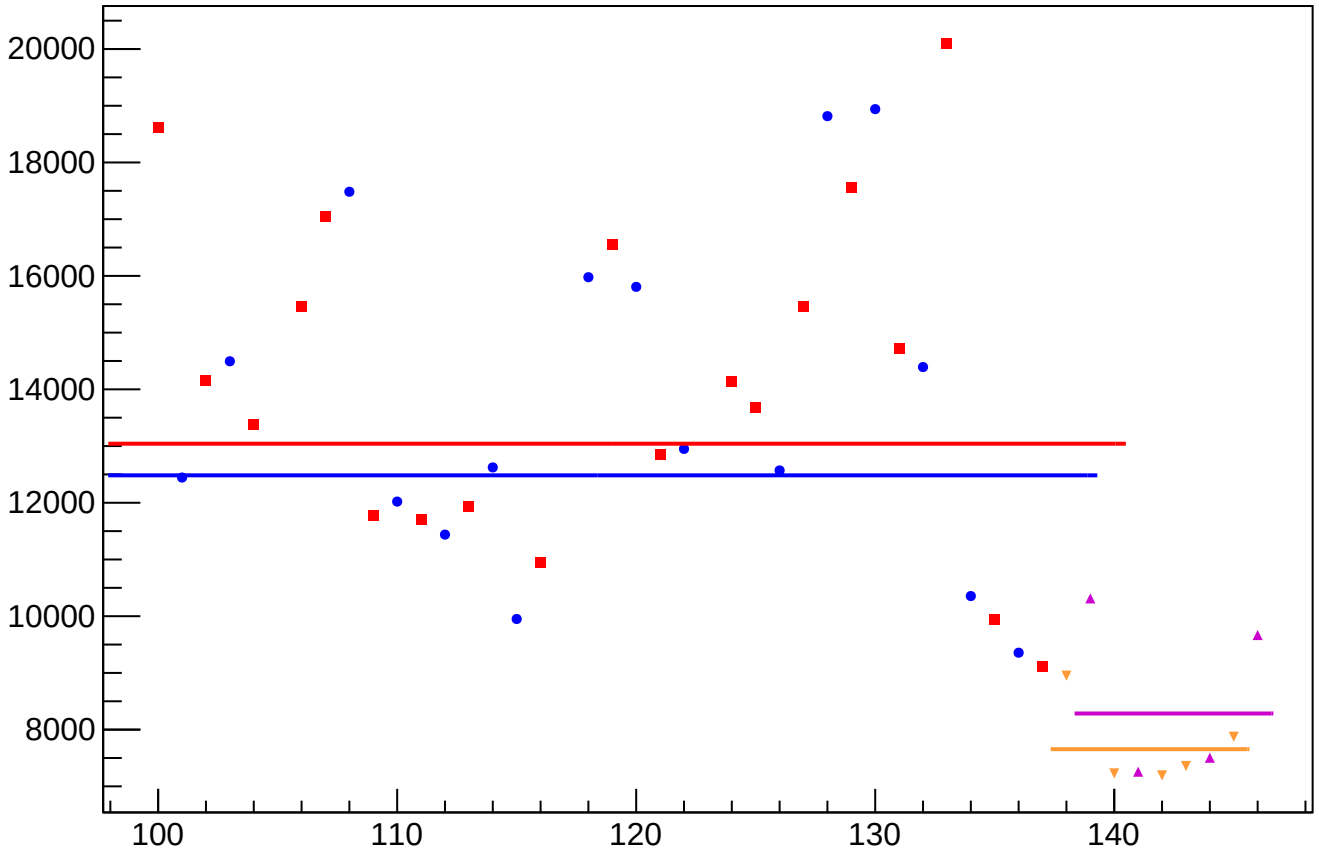
Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -1.063+/-4.470 χ^2/NDF:2.7/3

+ sign -5.819+/-3.079 χ^2/NDF: 33.3/20

All: -5.567+/-2.249 χ^2/NDF: 51.6/43

- sign -5.277+/-3.294 χ^2/NDF: 18.3/22



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 7655.248+/-2.846 χ^2/NDF:45240.4/4

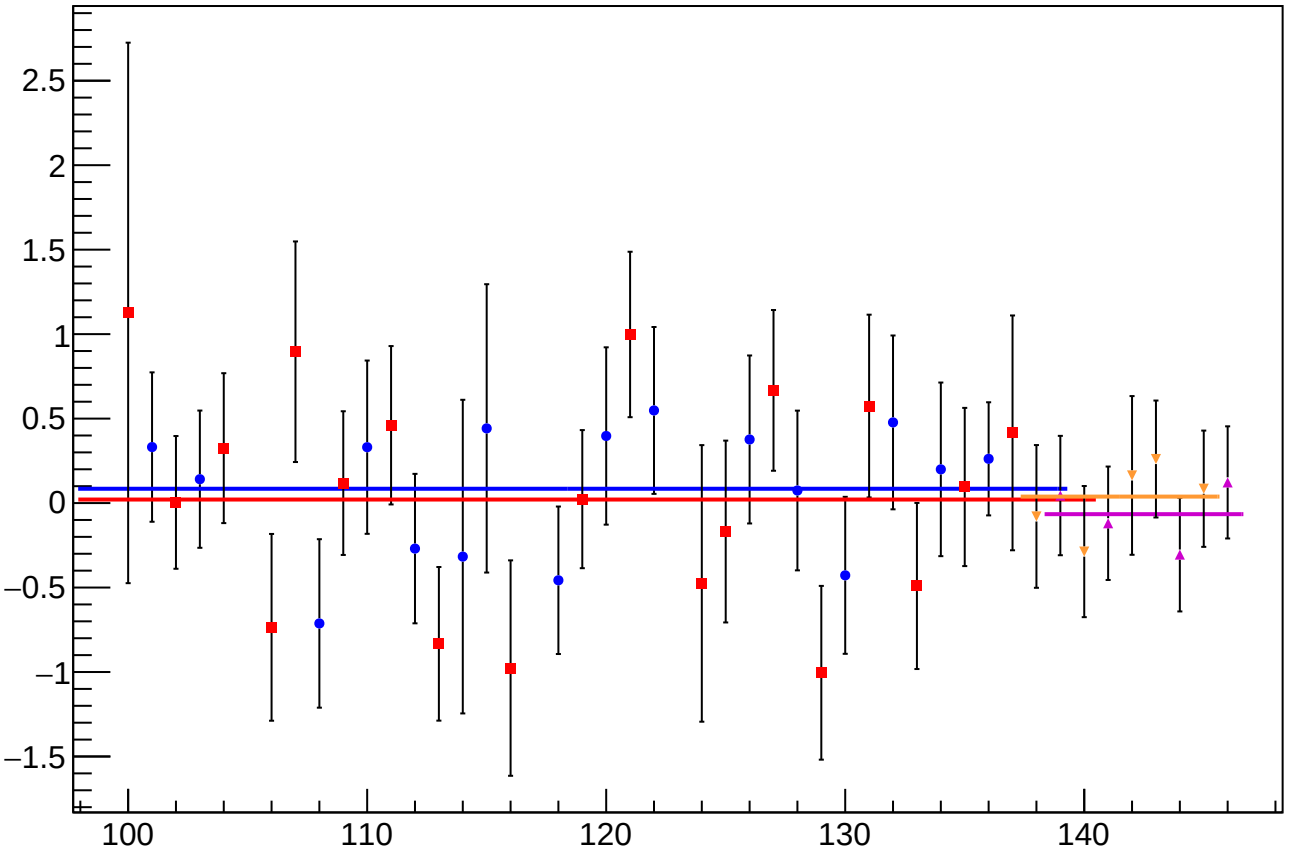
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8284.680+/-3.160 χ^2/NDF:156614.7/3

+ sign 9658.950+/-2.177 χ^2/NDF: 1911311.2/20

All: 10031.371+/-1.590 χ^2/NDF: 3710020.3/4

- sign 10457.737+/-2.329 χ^2/NDF: 1735931.7/22



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.038+/-0.173 χ^2/NDF:1.3/4

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

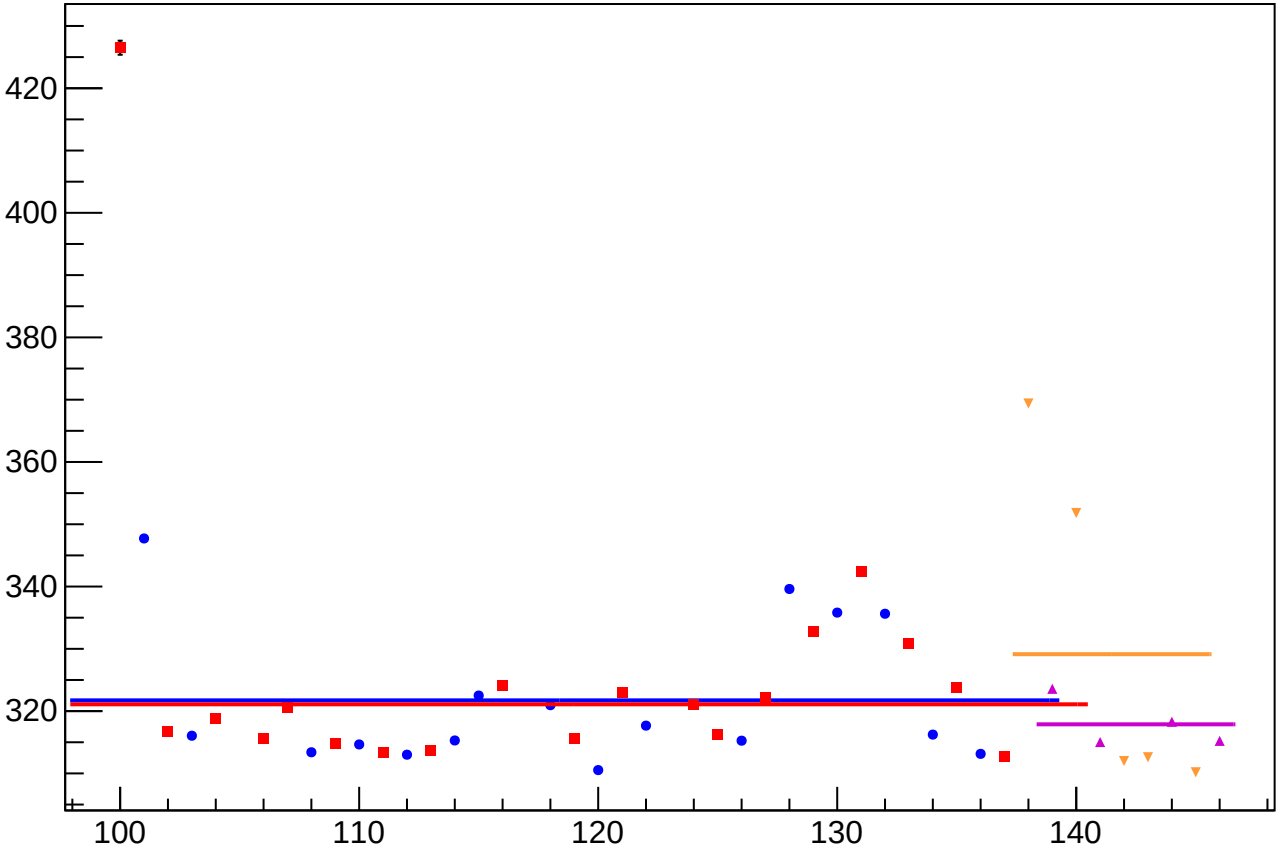
Left In: -0.066+/-0.170 χ^2/NDF:0.9/3

+ sign 0.070+/-0.099 χ^2/NDF: 10.7/20

All: 0.030+/-0.069 χ^2/NDF: 36.4/43

- sign -0.007+/-0.097 χ^2/NDF: 25.4/22

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 329.140+/-0.122 χ^2/NDF:38282.7/4

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

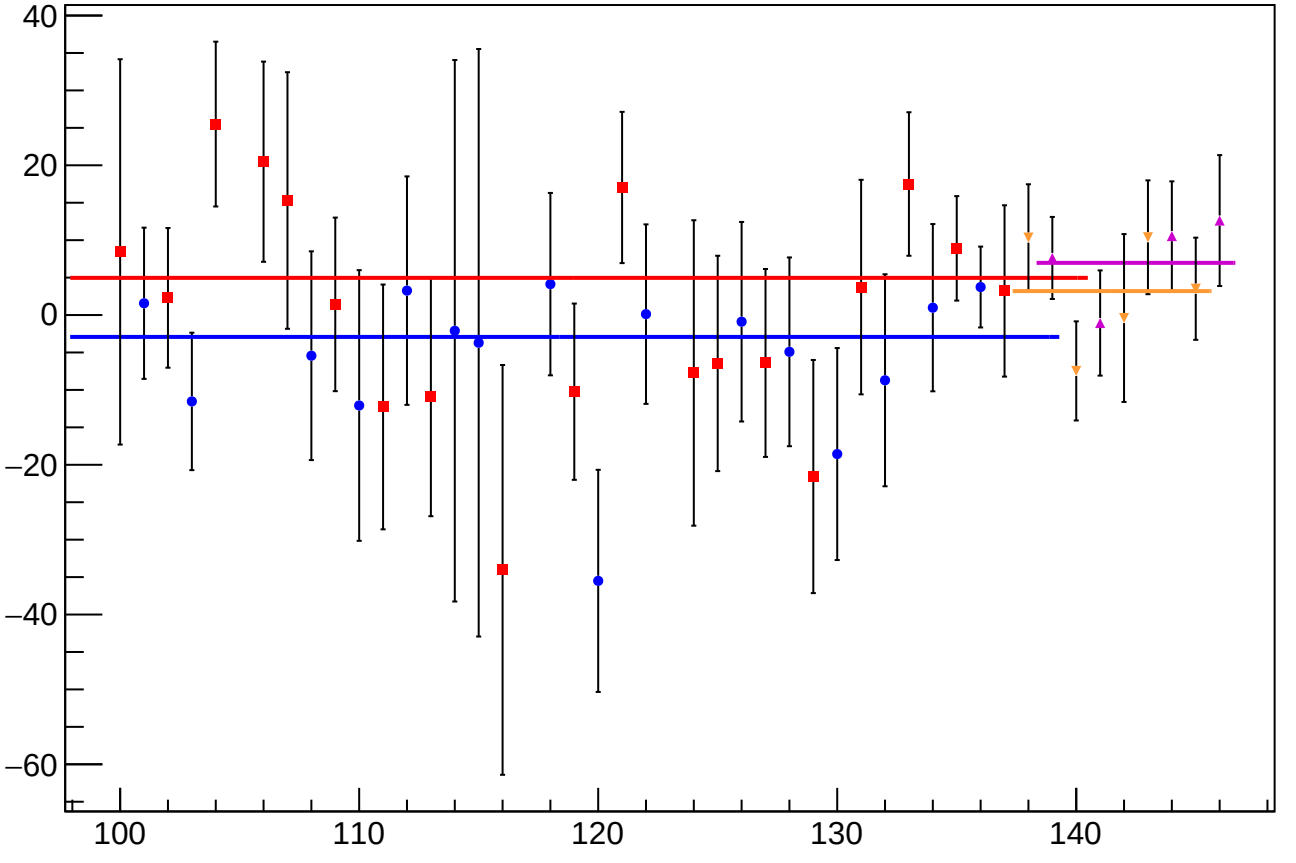
Left In: 317.881+/-0.120 χ^2/NDF:795.5/3

+ sign 324.147+/-0.070 χ^2/NDF: 58981.8/20

All: 322.056+/-0.049 χ^2/NDF: 78603.2/43

- sign 320.051+/-0.068 χ^2/NDF: 17859.7/22

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.199+/-3.347 χ^2/NDF:4.6/4

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

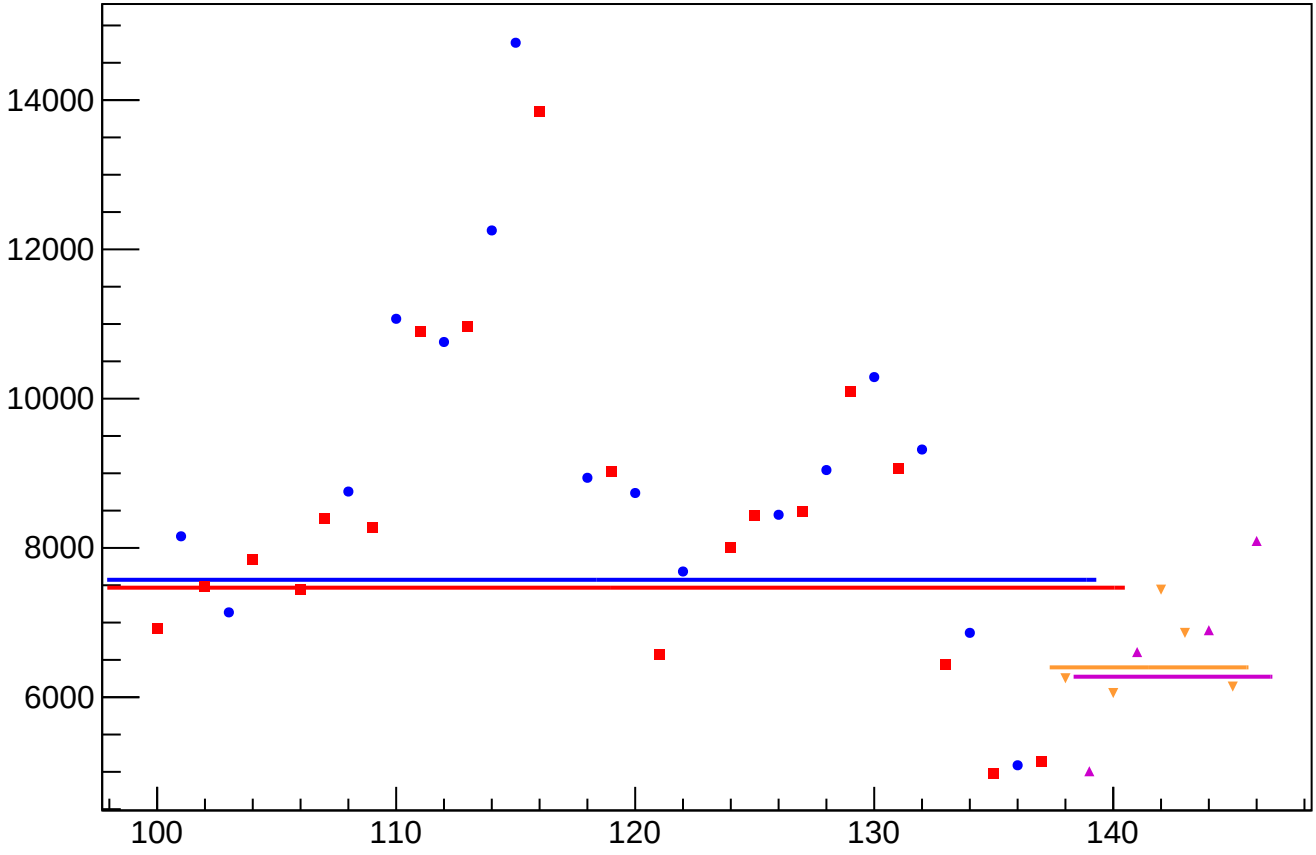
Left In: 6.971+/-3.422 χ^2/NDF:2.0/3

+ sign -0.286+/-2.196 χ^2/NDF: 16.3/20

All: 2.771+/-1.546 χ^2/NDF: 41.8/43

- sign 5.778+/-2.178 χ^2/NDF: 21.6/22

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6399.901+/-2.366 χ^2/NDF:33719.9/4

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

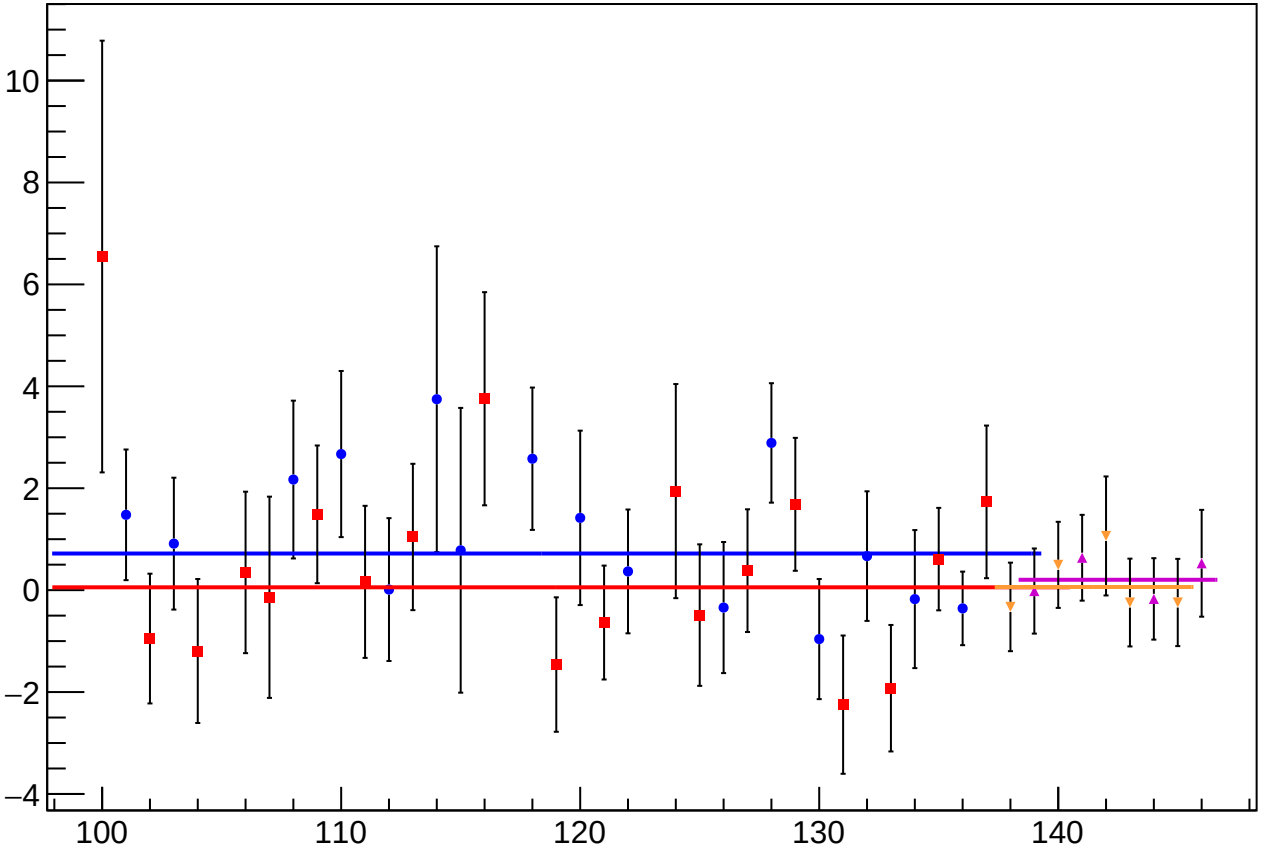
Left In: 6274.698+/-2.420 χ^2/NDF:212461.8/3

+ sign 7067.961+/-1.553 χ^2/NDF: 1071269.6/20

All: 7025.785+/-1.094 χ^2/NDF: 2258085.1/43

- sign 6984.296+/-1.540 χ^2/NDF: 1185352.1/22

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.062+/-0.403 χ^2/NDF:1.5/4

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

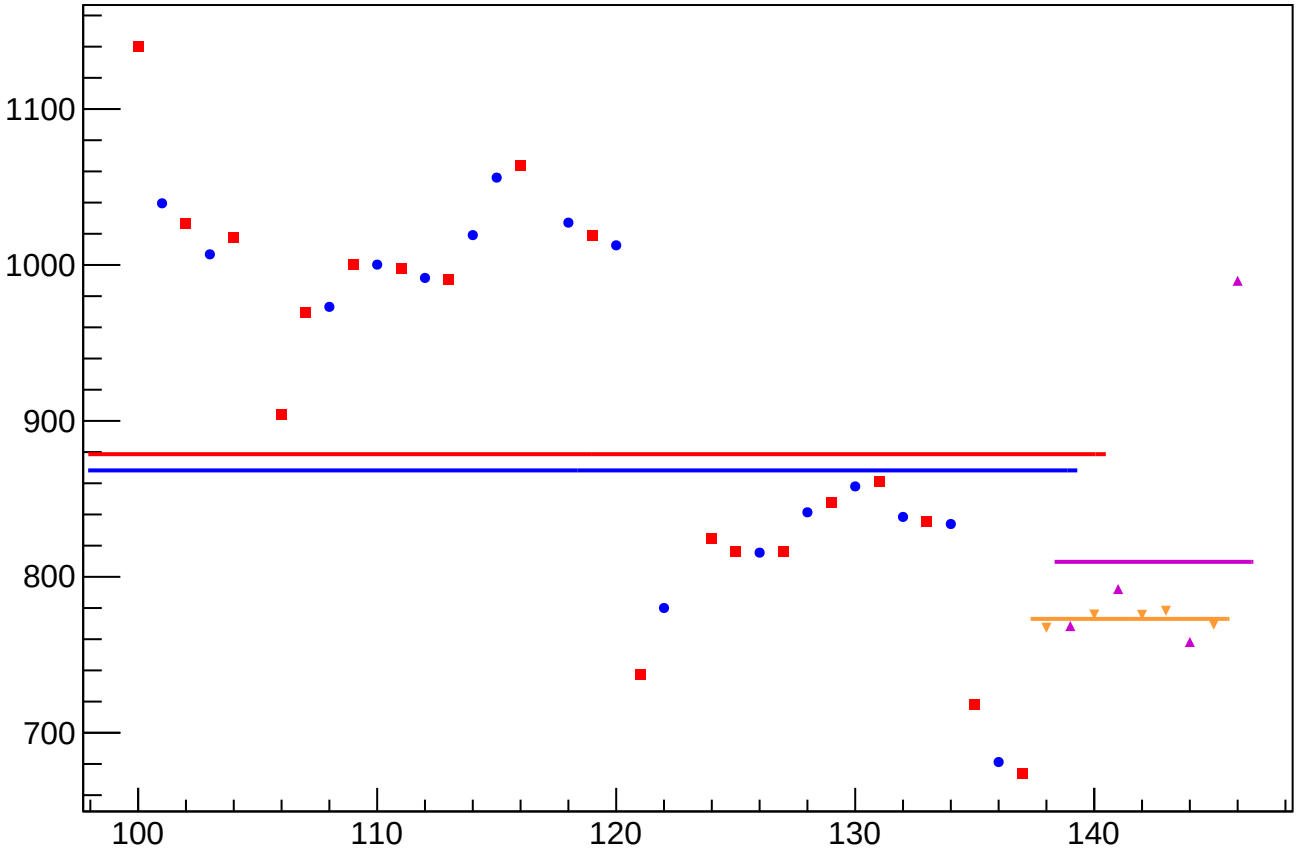
Left In: 0.203+/-0.434 χ^2/NDF:0.6/3

+ sign 0.459+/-0.253 χ^2/NDF: 17.8/20

All: 0.288+/-0.181 χ^2/NDF: 39.3/43

- sign 0.108+/-0.259 χ^2/NDF: 20.5/22

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 773.048+/-0.285 χ^2/NDF:228.9/4

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

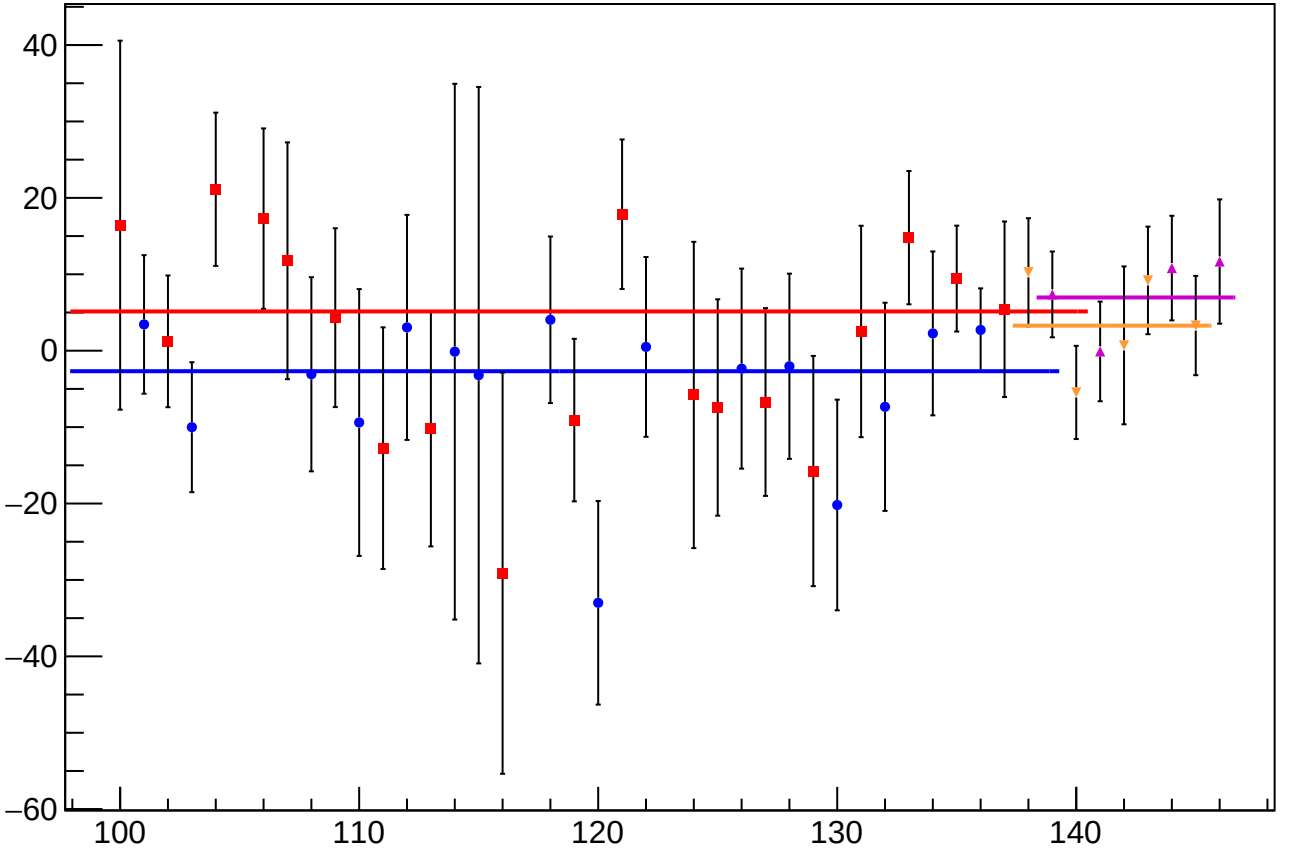
Left In: 809.613+/-0.307 χ^2/NDF:73133.0/3

\+ sign 830.553+/-0.179 χ^2/NDF: 370215.2/20

All: 841.995+/-0.128 χ^2/NDF: 756828.3/43

\- sign 853.977+/-0.183 χ^2/NDF: 378257.8/22

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.280+/-3.161 χ^2/NDF:3.8/4

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

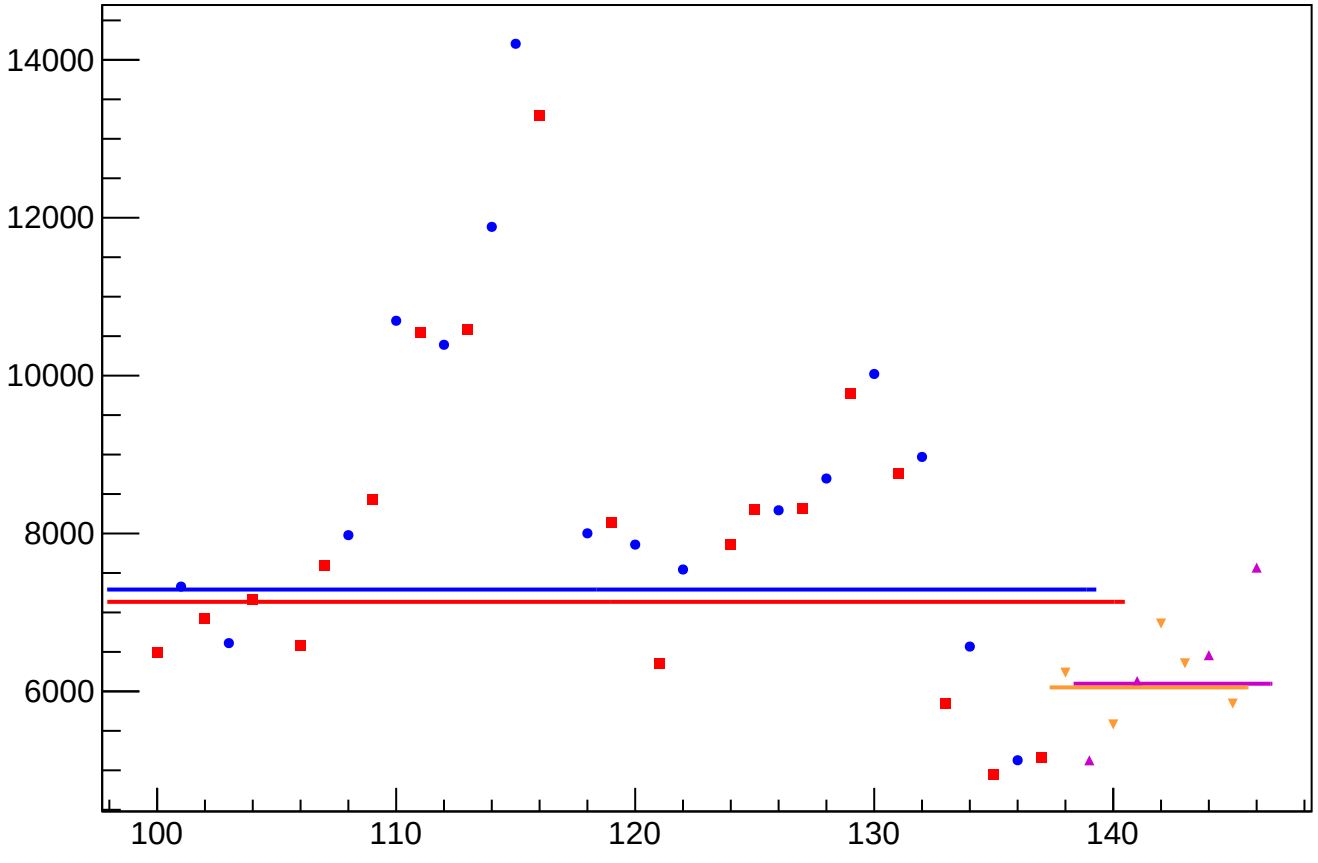
Left In: 6.966+/-3.302 χ^2/NDF:1.8/3

\+ sign -0.074+/-2.091 χ^2/NDF: 15.9/20

All: 2.903+/-1.477 χ^2/NDF: 39.2/43

\- sign 5.867+/-2.086 χ^2/NDF: 19.3/22

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6050.285+/-2.235 χ^2/NDF:31239.7/4

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

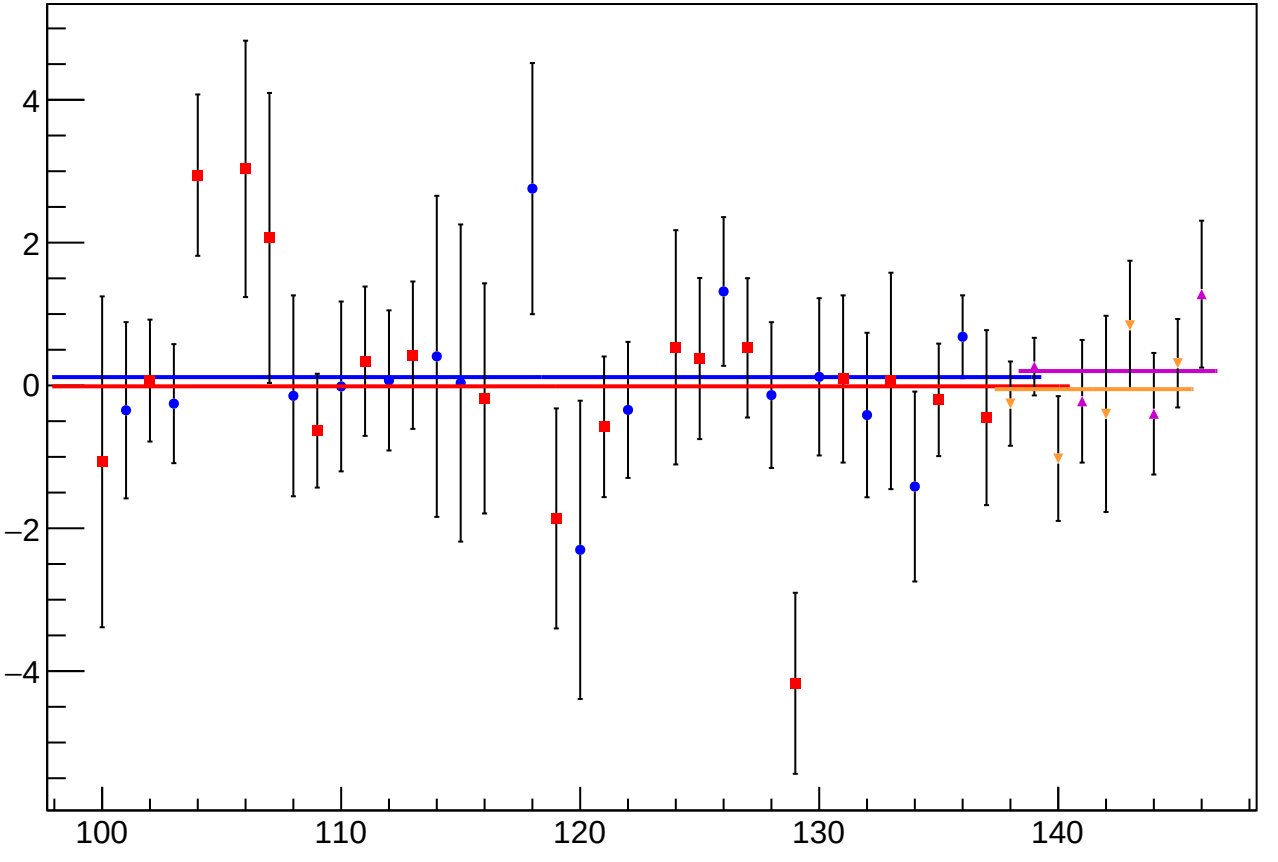
Left In: 6097.045+/-2.335 χ^2/NDF:130849.9/3

+ sign 6747.679+/-1.479 χ^2/NDF: 974838.5/20

All: 6733.887+/-1.044 χ^2/NDF: 2017255.3/43

- sign 6720.158+/-1.475 χ^2/NDF: 1042243.2/22

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.051+/-0.342 χ^2/NDF:2.7/4

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

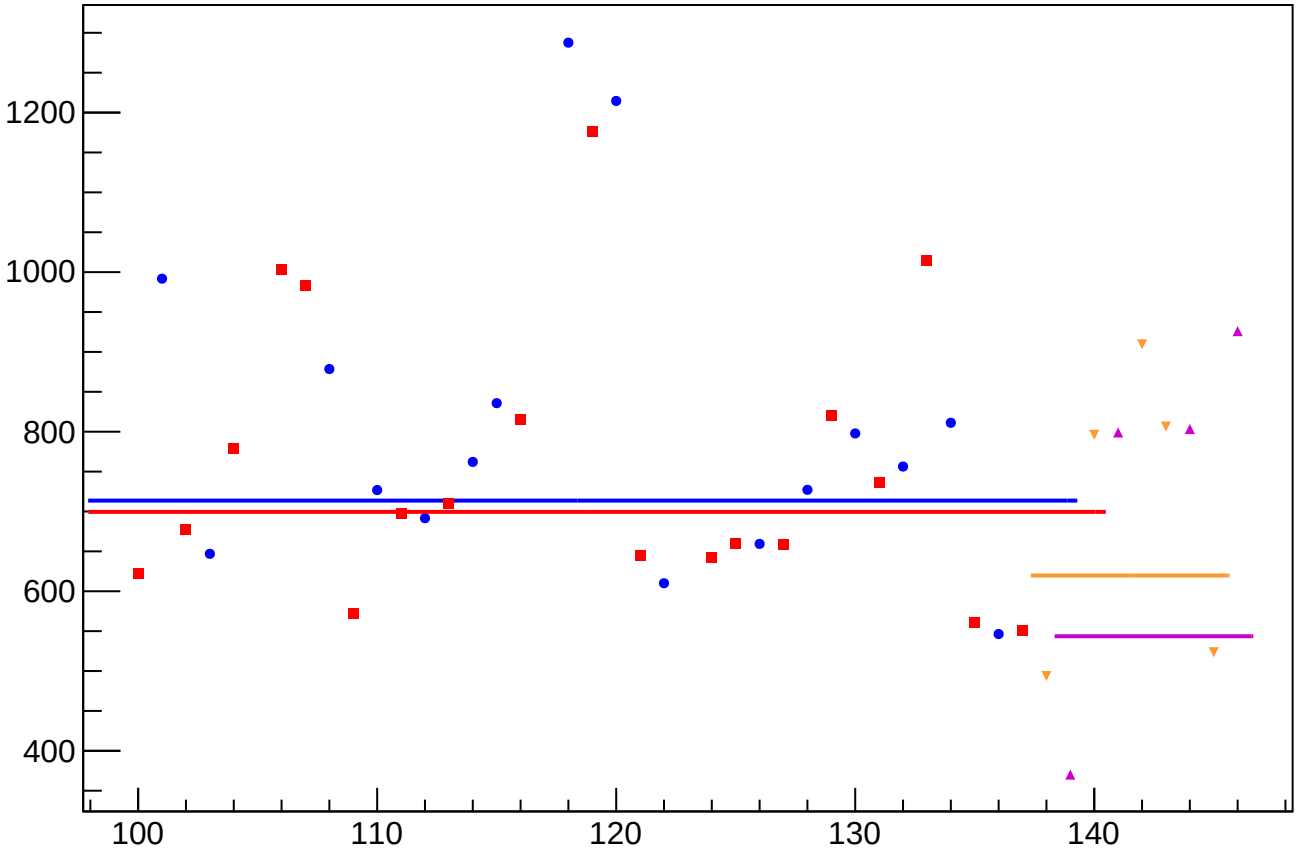
Left In: 0.202+/-0.319 χ^2/NDF:1.9/3

+ sign 0.051+/-0.213 χ^2/NDF: 11.0/20

All: 0.064+/-0.147 χ^2/NDF: 38.3/43

- sign 0.075+/-0.203 χ^2/NDF: 27.3/22

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 619.777+/-0.242 χ^2/NDF:395196.2/4

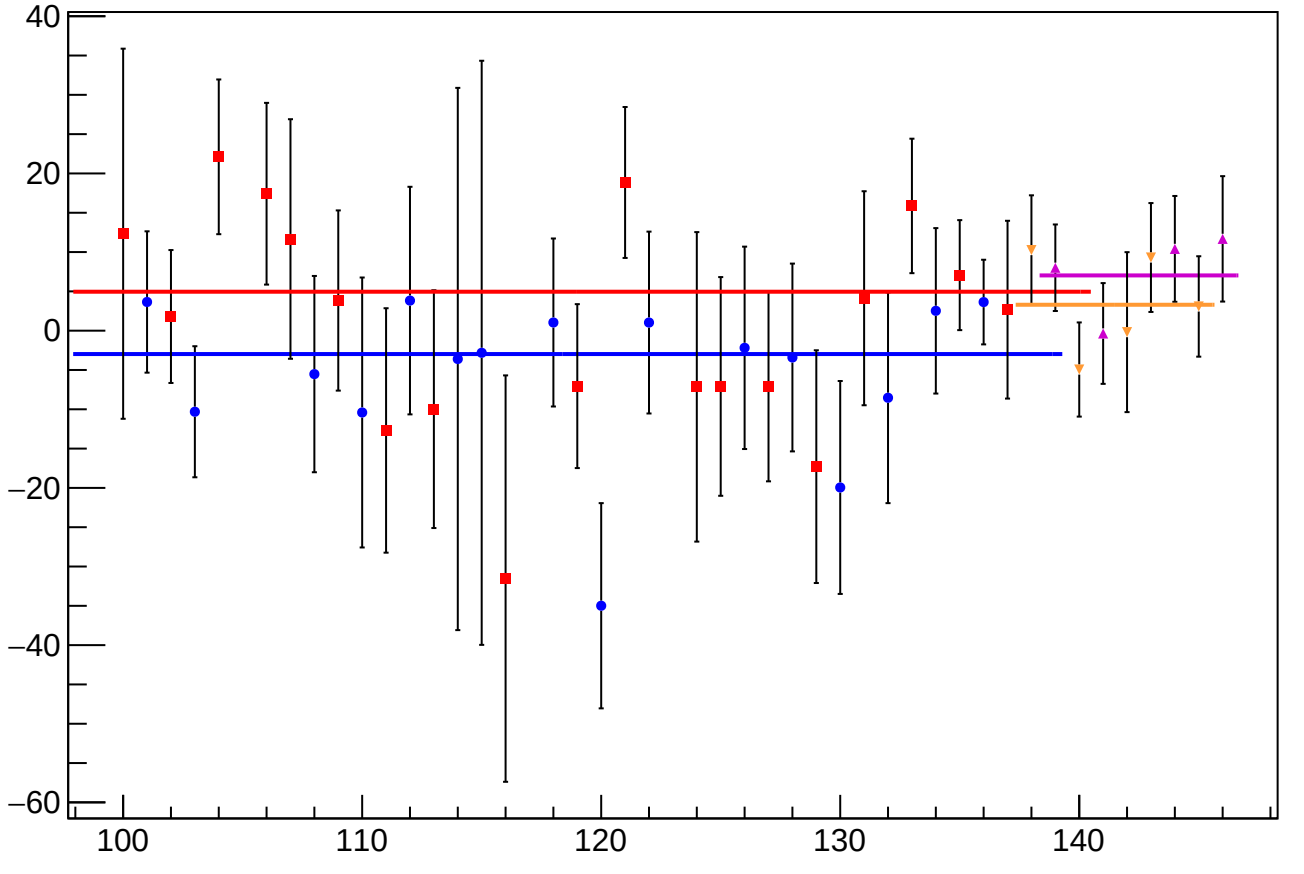
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 543.597+/-0.226 χ^2/NDF:1009236.9/3

+ sign 677.079+/-0.151 χ^2/NDF: 1186436.3/20

All: 655.692+/-0.104 χ^2/NDF: 3093940.9/43

- sign 636.346+/-0.144 χ^2/NDF: 1869261.3/22



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.297+/-3.108 χ^2/NDF:3.8/4

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

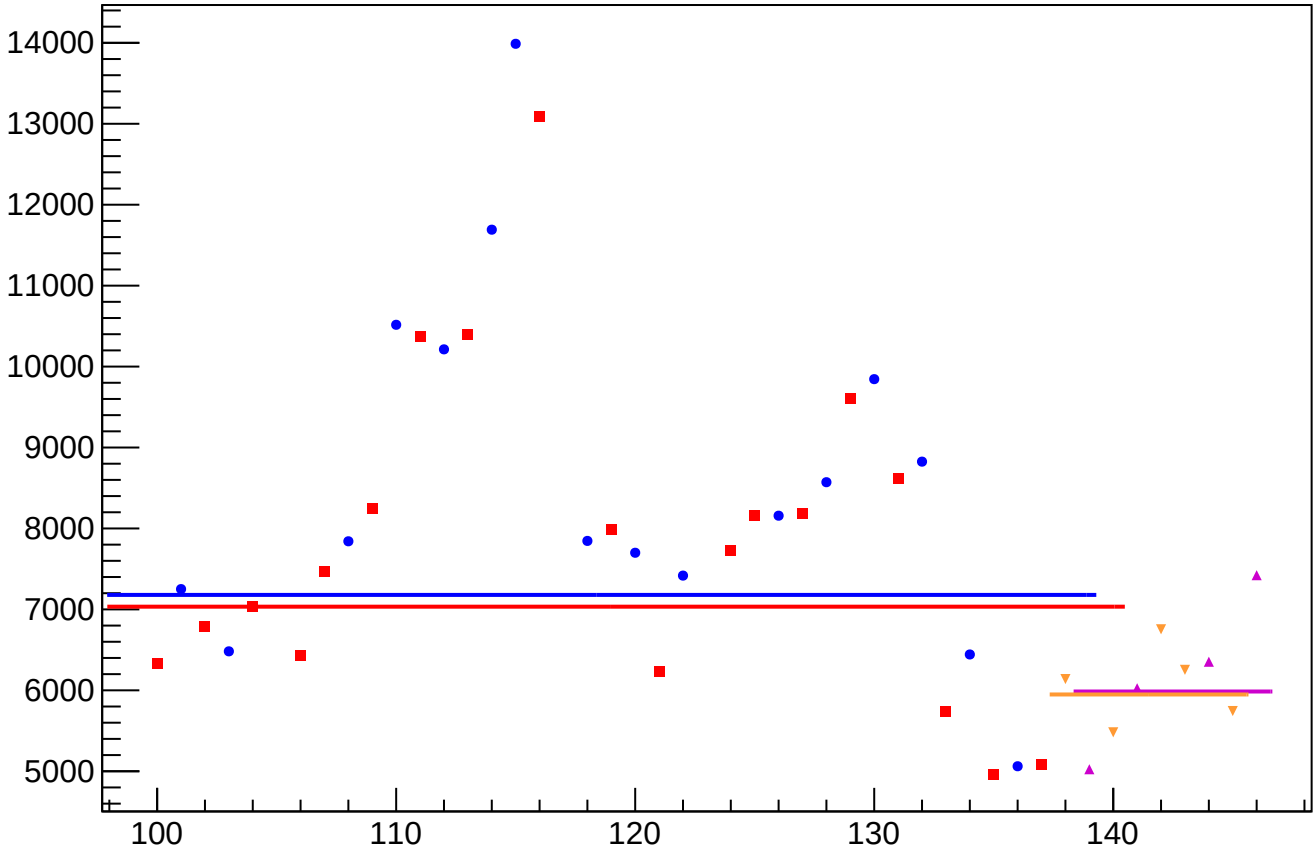
Left In: 7.029+/-3.242 χ^2/NDF:2.0/3

+ sign -0.225+/-2.058 χ^2/NDF: 17.6/20

All: 2.788+/-1.454 χ^2/NDF: 42.6/43

- sign 5.787+/-2.053 χ^2/NDF: 20.7/22

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 5948.792+/-2.198 χ^2/NDF:32128.9/4

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

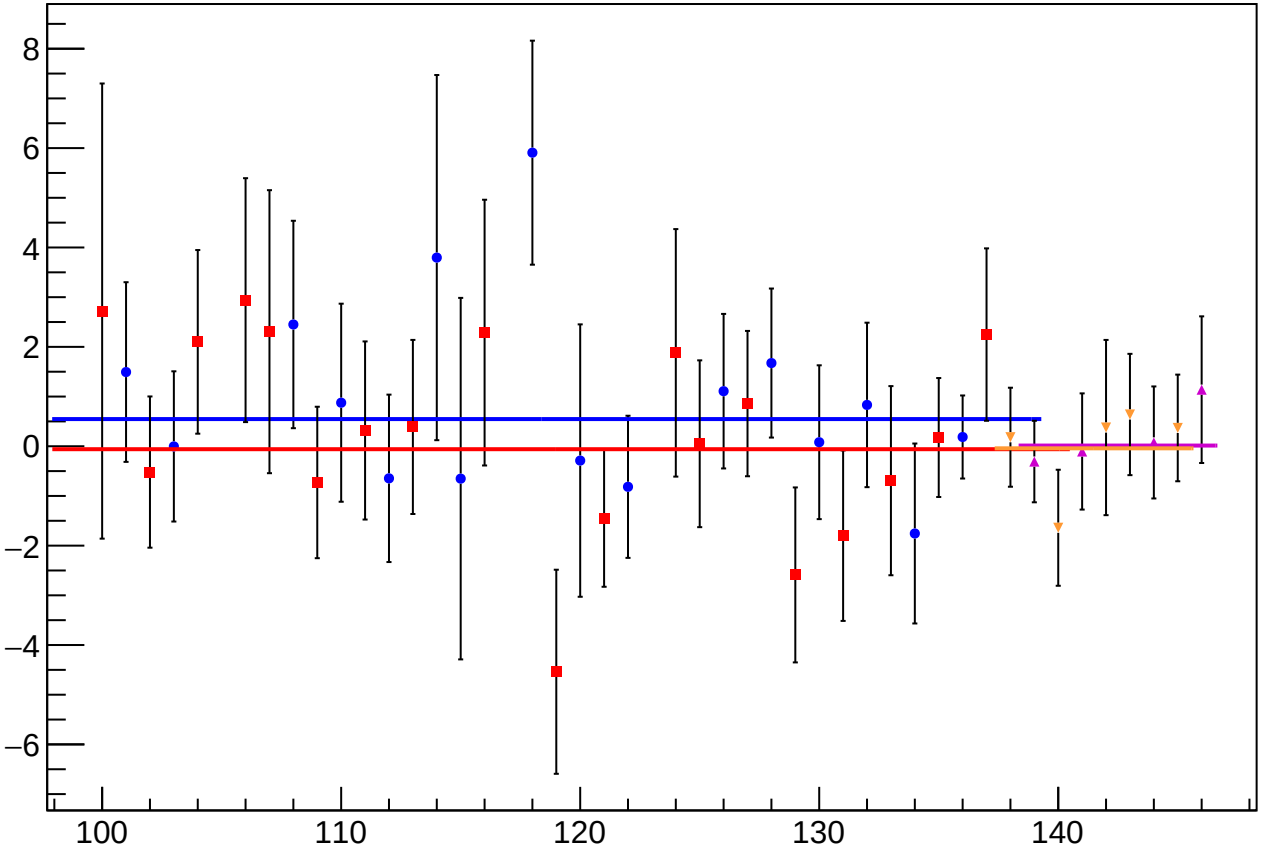
Left In: 5985.433+/-2.292 χ^2/NDF:131863.1/3

+ sign 6639.689+/-1.455 χ^2/NDF: 969996.7/20

All: 6626.379+/-1.028 χ^2/NDF: 1993605.6/43

- sign 6613.129+/-1.452 χ^2/NDF: 1023442.0/22

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.042+/-0.527 χ^2/NDF:2.4/4

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

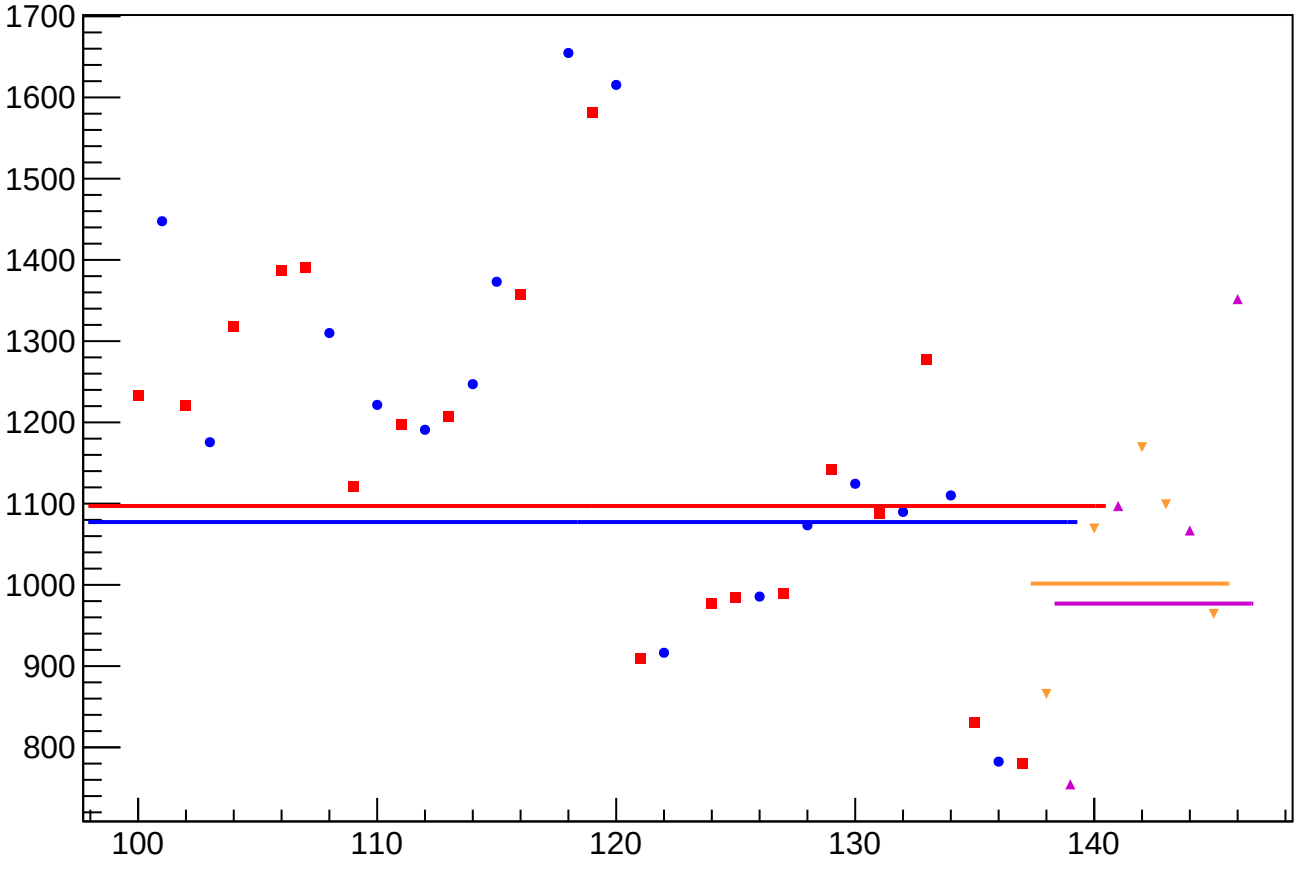
Left In: 0.014+/-0.537 χ^2/NDF:0.7/3

+ sign 0.324+/-0.324 χ^2/NDF: 15.2/20

All: 0.147+/-0.230 χ^2/NDF: 33.4/43

- sign -0.032+/-0.325 χ^2/NDF: 17.6/22

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1001.557+/-0.373 χ^2/NDF:77199.5/4

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

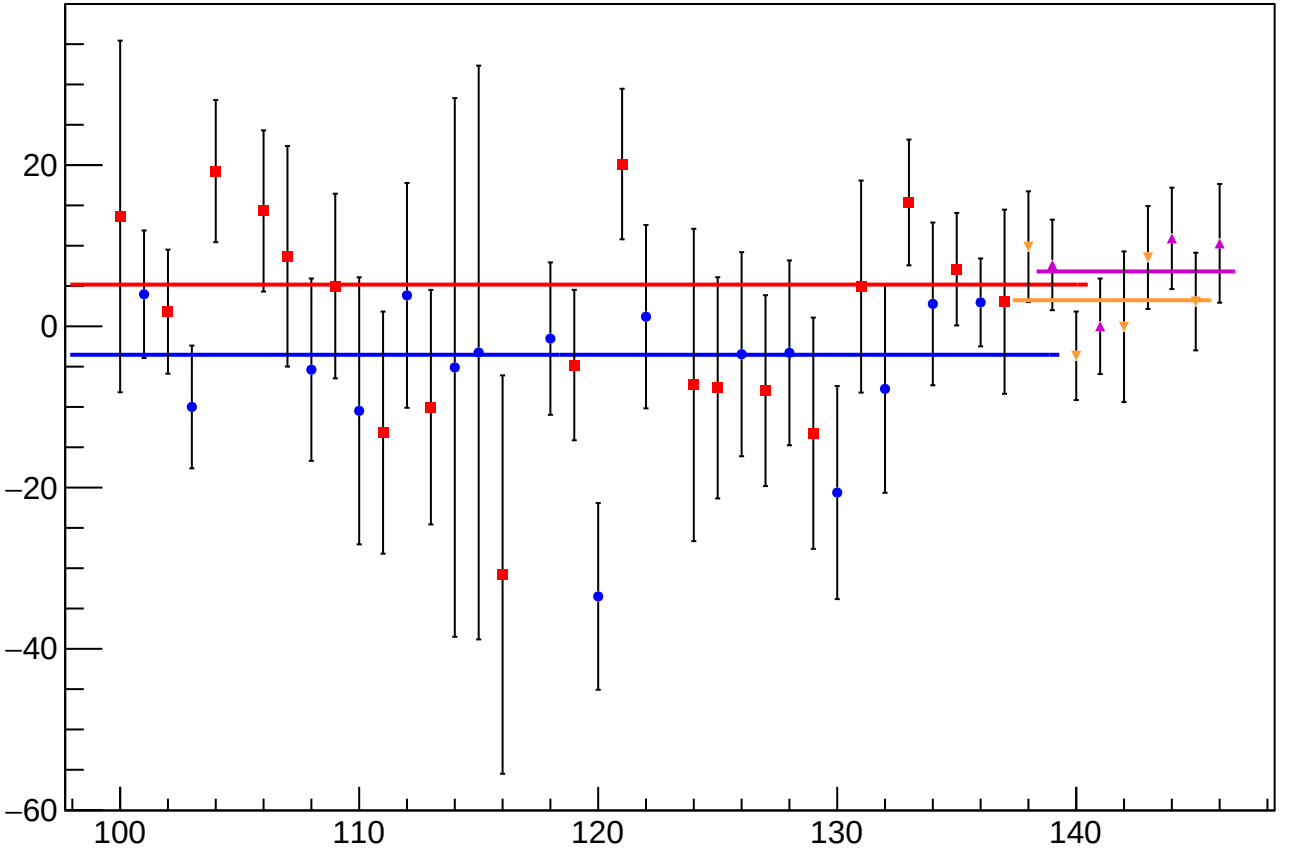
Left In: 976.943+/-0.380 χ^2/NDF:310056.0/3

+ sign 1048.658+/-0.229 χ^2/NDF: 749429.2/20

All: 1050.838+/-0.162 χ^2/NDF: 1607401.9/43

- sign 1053.036+/-0.230 χ^2/NDF: 857790.9/22

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.236+/-2.915 χ^2/NDF:3.3/4

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

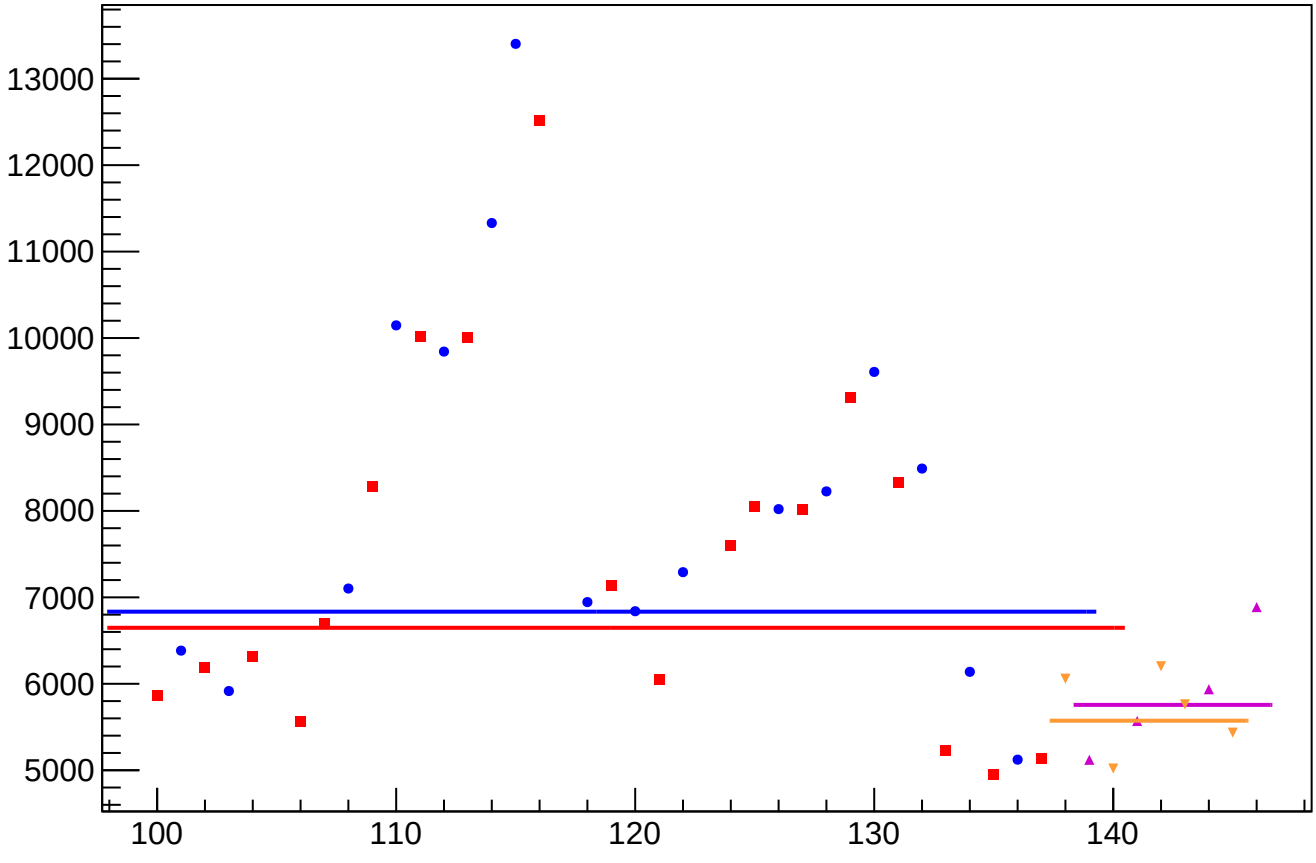
Left In: 6.806+/-3.102 χ^2/NDF:2.0/3

+ sign -0.521+/-1.944 χ^2/NDF: 18.9/20

All: 2.639+/-1.377 χ^2/NDF: 44.6/43

- sign 5.820+/-1.950 χ^2/NDF: 20.3/22

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5573.218+/-2.062 χ^2/NDF:42213.2/4

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

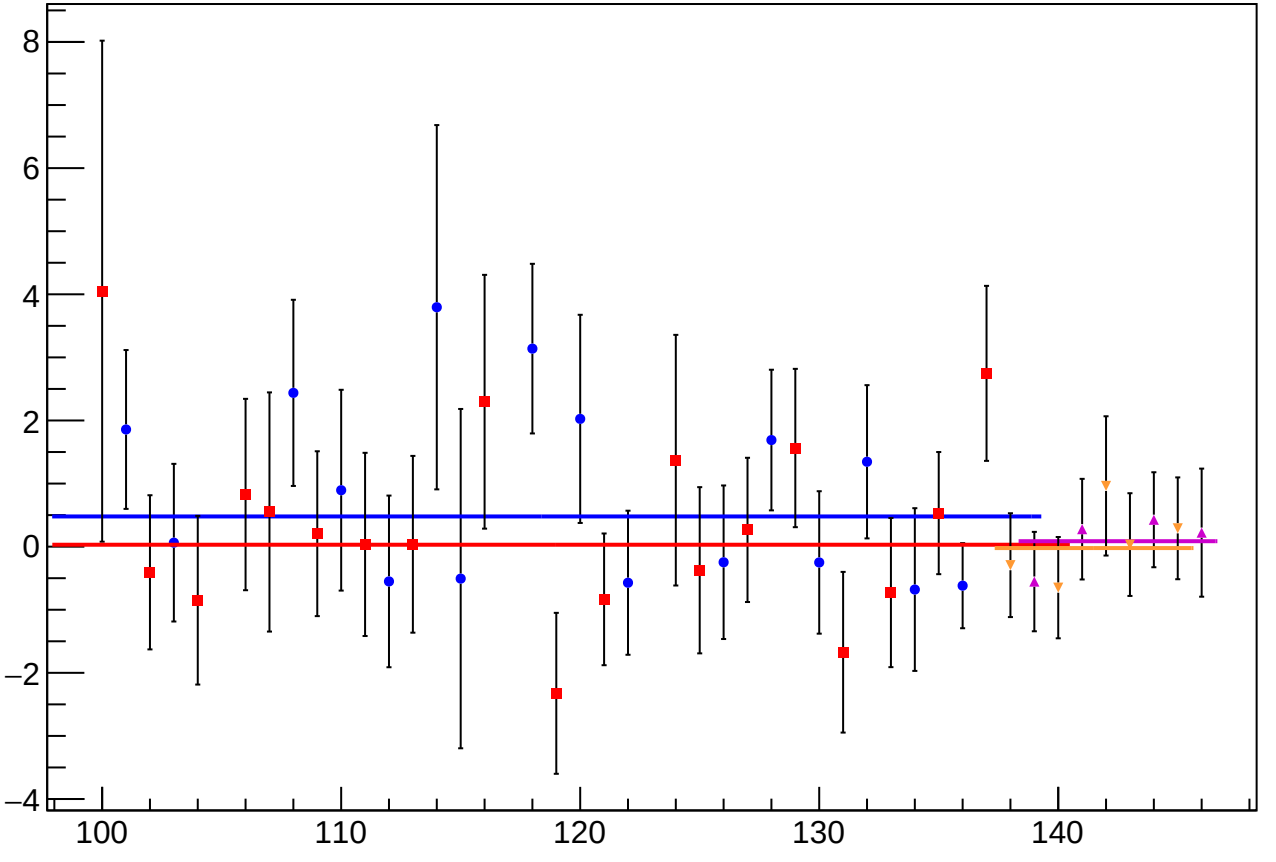
Left In: 5756.079+/-2.194 χ^2/NDF:76451.8/3

+ sign 6273.727+/-1.375 χ^2/NDF: 942805.6/20

All: 6284.557+/-0.974 χ^2/NDF: 1904466.0/43

- sign 6295.460+/-1.379 χ^2/NDF: 961535.8/22

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.022+/-0.381 χ^2/NDF:1.7/4

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

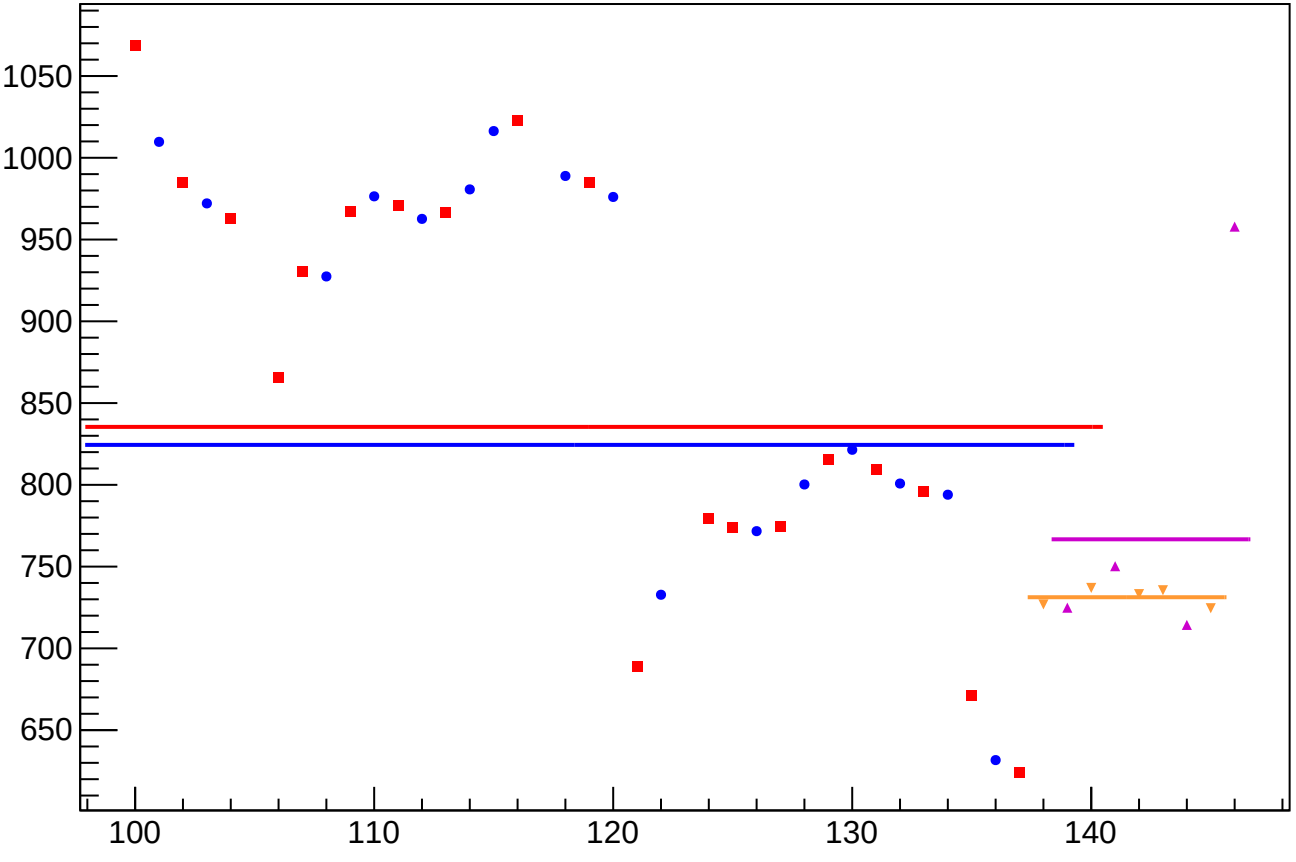
Left In: 0.086+/-0.411 χ^2/NDF:0.9/3

+ sign 0.278+/-0.241 χ^2/NDF: 19.4/20

All: 0.167+/-0.172 χ^2/NDF: 36.5/43

- sign 0.051+/-0.247 χ^2/NDF: 16.7/22

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 731.271+/-0.269 χ^2/NDF:357.4/4

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

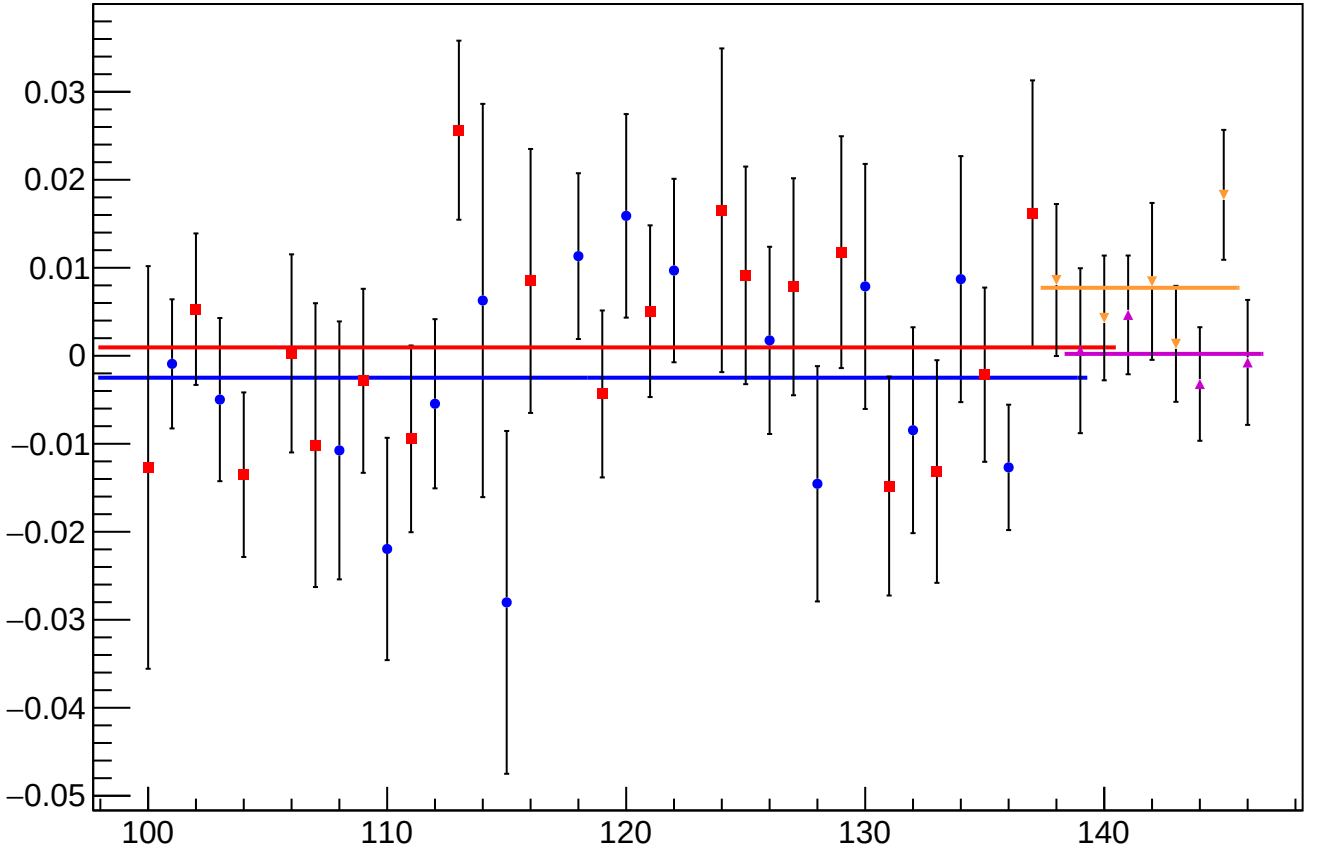
Left In: 766.689+/-0.291 χ^2/NDF:87096.8/3

+ sign 787.196+/-0.170 χ^2/NDF: 437642.8/20

All: 798.642+/-0.122 χ^2/NDF: 889088.4/43

- sign 810.662+/-0.174 χ^2/NDF: 442181.0/22

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.008+/-0.003 χ^2/NDF:3.2/4

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

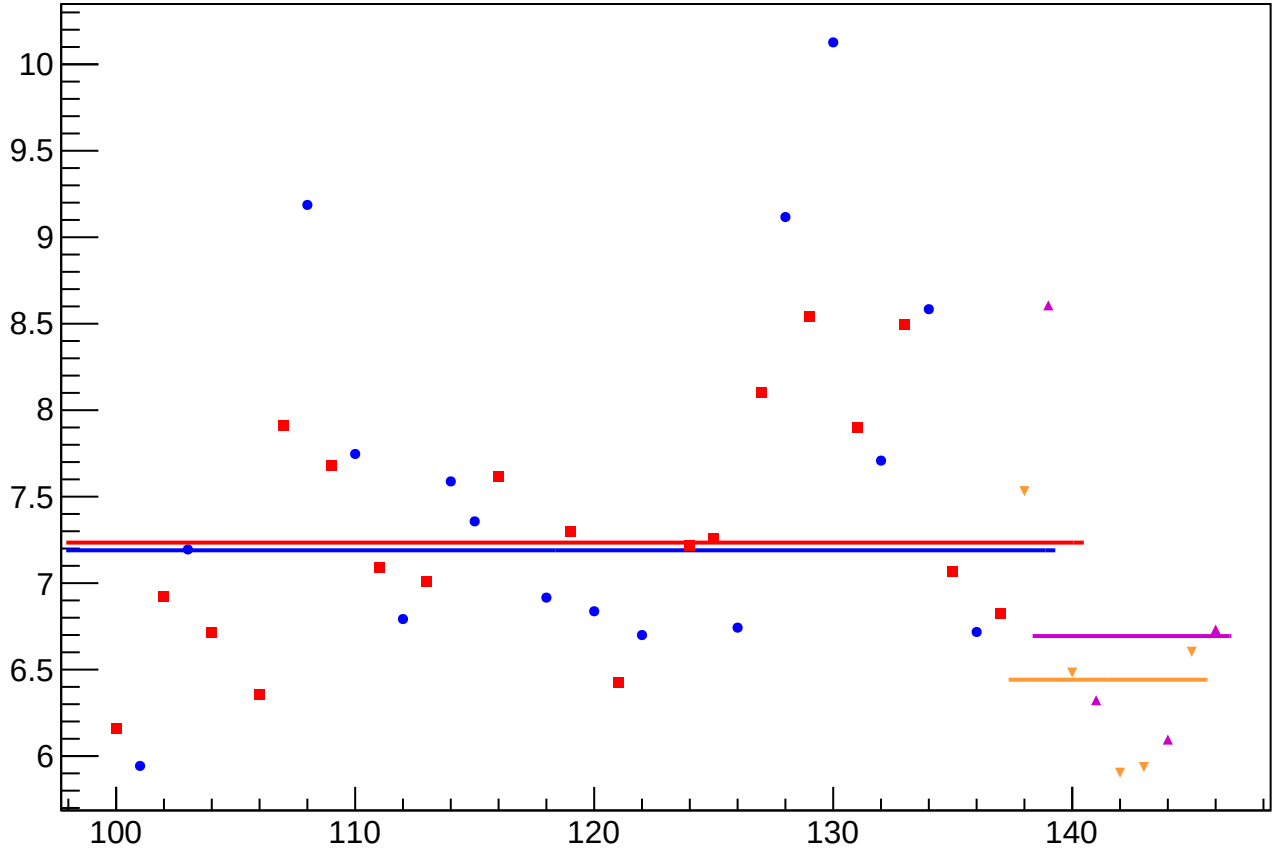
Left In: 0.000+/-0.004 χ^2/NDF:0.7/3

+ sign 0.001+/-0.002 χ^2/NDF: 24.1/20

All: 0.001+/-0.002 χ^2/NDF: 42.2/43

- sign 0.001+/-0.002 χ^2/NDF: 18.1/22

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.442+/-0.002 χ^2/NDF:51916.4/4

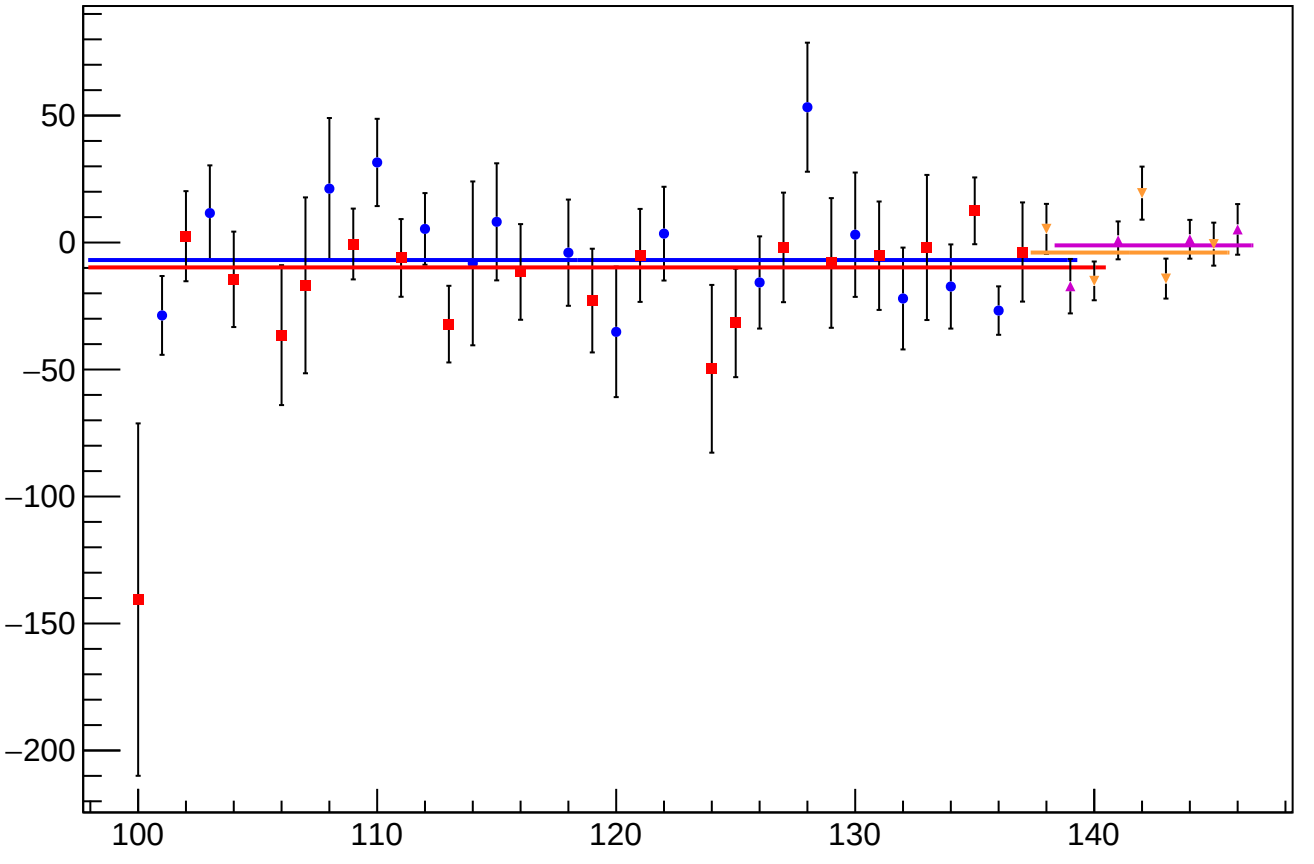
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.694+/-0.003 χ^2/NDF:106575.2/3

+ sign 6.898+/-0.001 χ^2/NDF: 389089.4/20

All: 6.970+/-0.001 χ^2/NDF: 635809.5/43

- sign 7.044+/-0.002 χ^2/NDF: 242020.9/22



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -3.946+/-3.870 χ^2/NDF:9.9/4

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

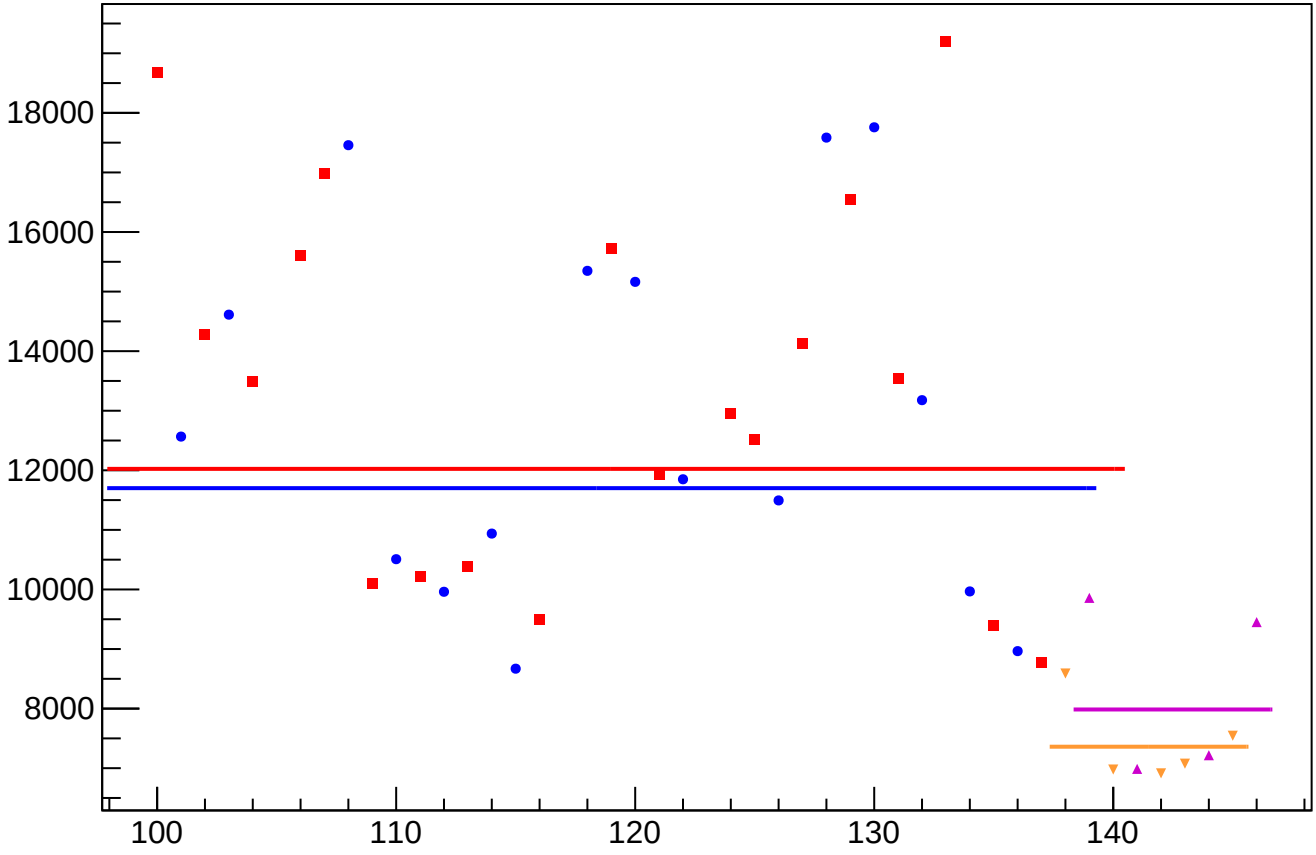
Left In: -1.118+/-4.309 χ^2/NDF:2.8/3

+ sign -5.202+/-2.931 χ^2/NDF: 33.2/20

All: -5.224+/-2.136 χ^2/NDF: 51.9/43

- sign -5.250+/-3.118 χ^2/NDF: 18.7/22

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7360.442+/-2.736 χ^2/NDF:43490.2/4

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

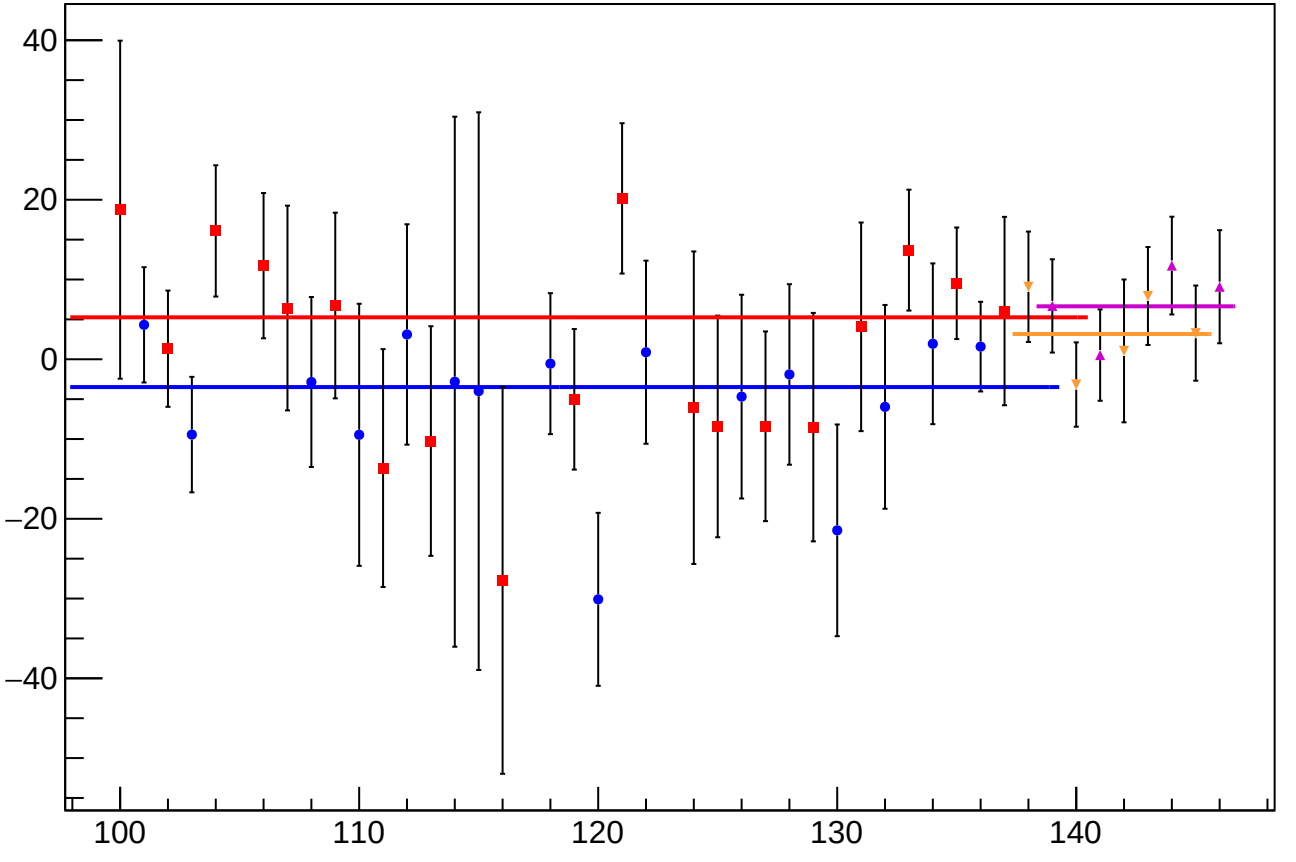
Left In: 7985.274+/-3.047 χ^2/NDF:160285.0/3

+ sign 9211.089+/-2.072 χ^2/NDF: 1856388.4/20

All: 9538.688+/-1.510 χ^2/NDF: 3591881.5/43

- sign 9909.453+/-2.205 χ^2/NDF: 1682225.1/22

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.169+/-2.842 χ^2/NDF:2.8/4

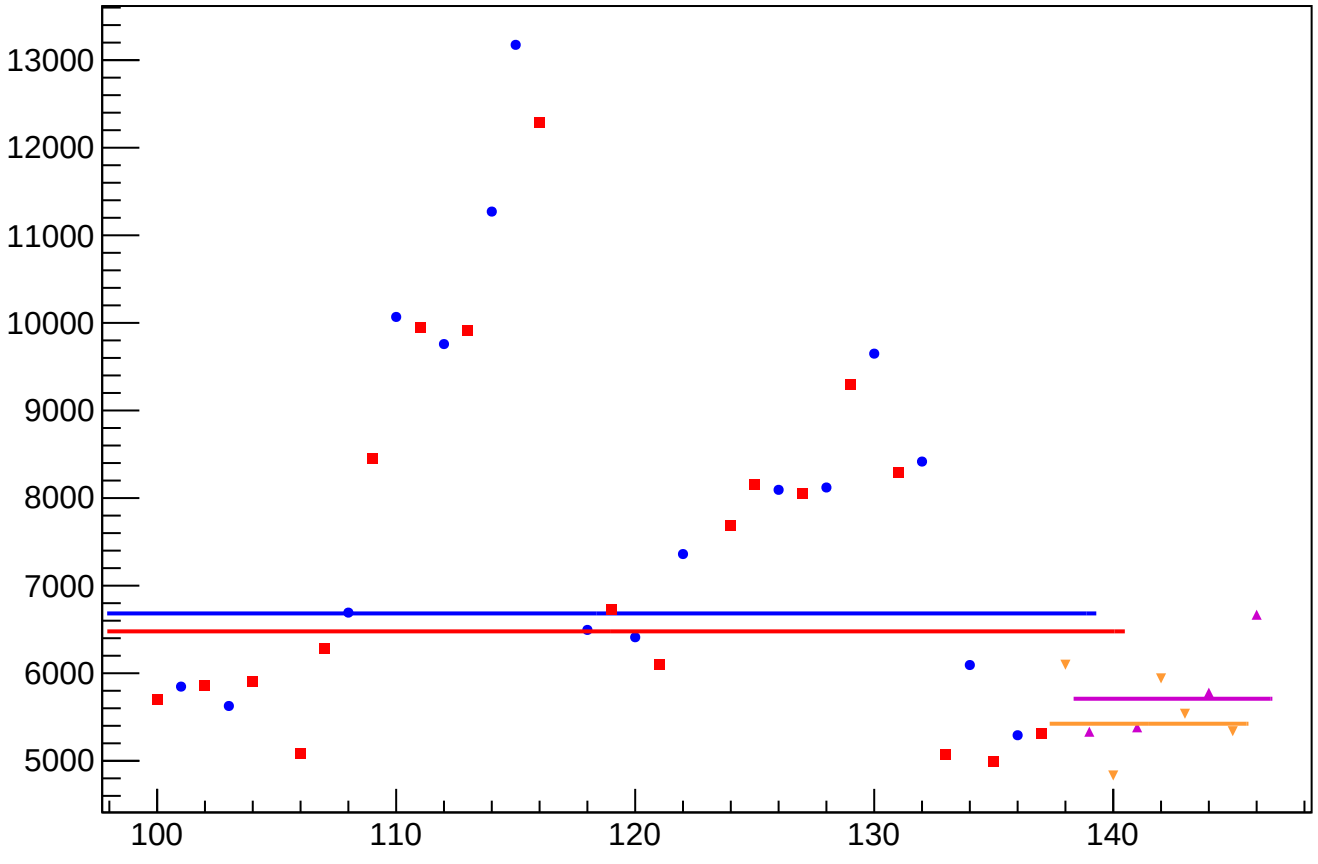
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 6.640+/-3.068 χ^2/NDF:2.0/3

+ sign -0.518+/-1.898 χ^2/NDF: 17.4/20

All: 2.614+/-1.347 χ^2/NDF: 41.5/43

- sign 5.796+/-1.913 χ^2/NDF: 18.7/22



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5423.729+/-2.010 χ^2/NDF:51711.7/4

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

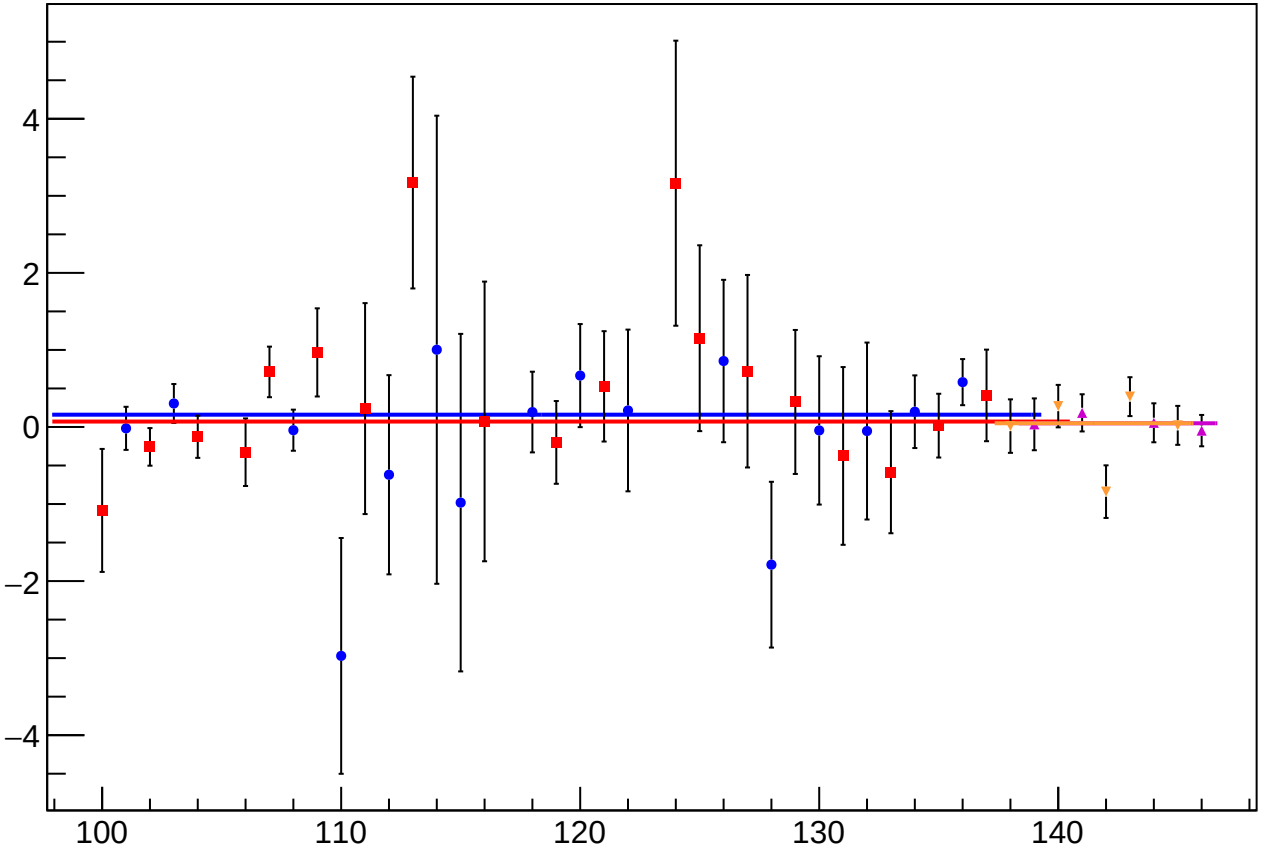
Left In: 5708.914+/-2.170 χ^2/NDF:51599.5/3

+ sign 6121.532+/-1.342 χ^2/NDF: 961434.4/20

All: 6150.144+/-0.953 χ^2/NDF: 1930019.2/43

- sign 6179.207+/-1.353 χ^2/NDF: 967668.6/22

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.048+/-0.128 χ^2/NDF:9.3/4

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

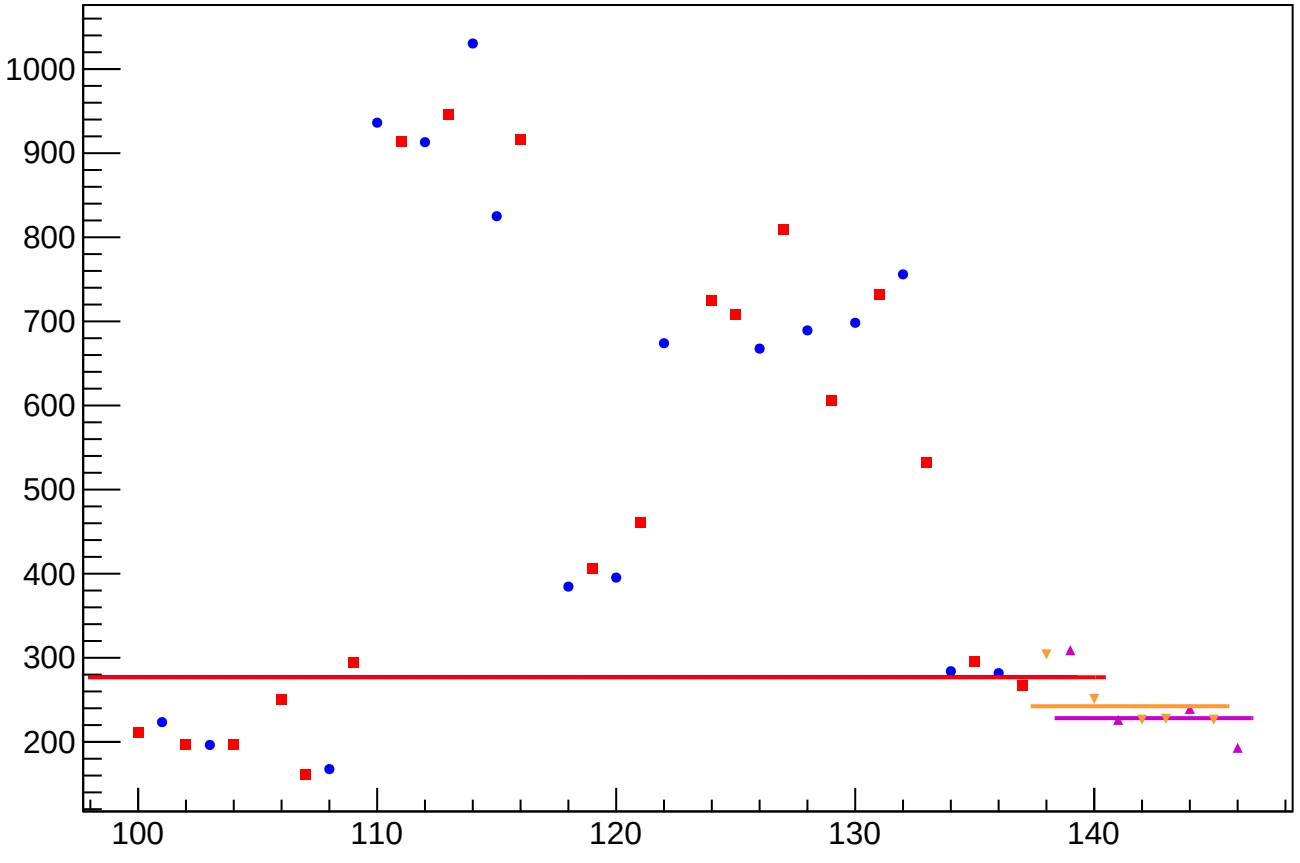
Left In: 0.048+/-0.123 χ^2/NDF:0.5/3

+ sign 0.108+/-0.087 χ^2/NDF: 22.3/20

All: 0.083+/-0.061 χ^2/NDF: 45.4/43

- sign 0.060+/-0.086 χ^2/NDF: 23.0/22

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 242.444+/-0.090 χ^2/NDF:84586.2/4

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

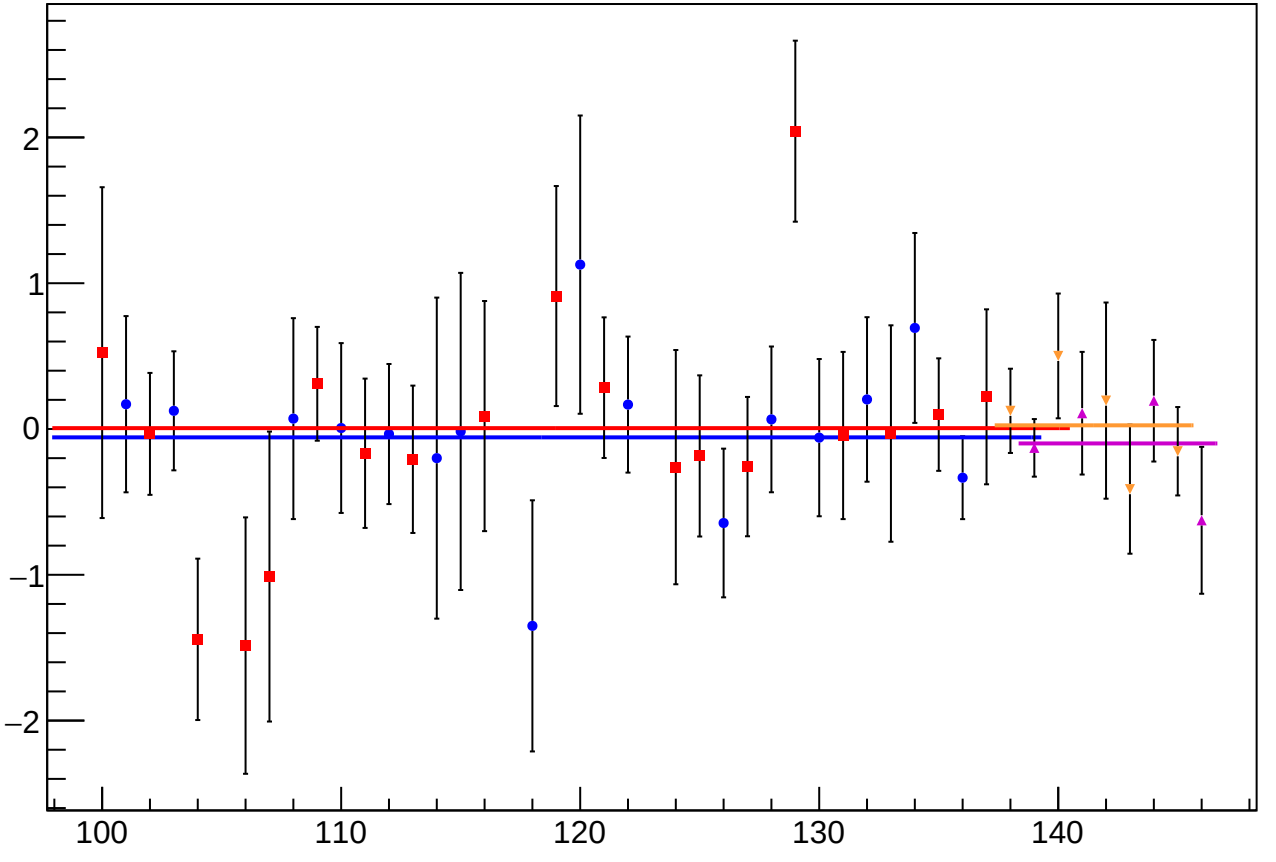
Left In: 228.259+/-0.087 χ^2/NDF:179427.3/3

+ sign 260.855+/-0.062 χ^2/NDF: 3613276.1/20

All: 257.006+/-0.043 χ^2/NDF: 7532023.2/43

- sign 253.278+/-0.061 χ^2/NDF: 3911089.0/22

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.025+/-0.168 χ^2/NDF:2.7/4

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

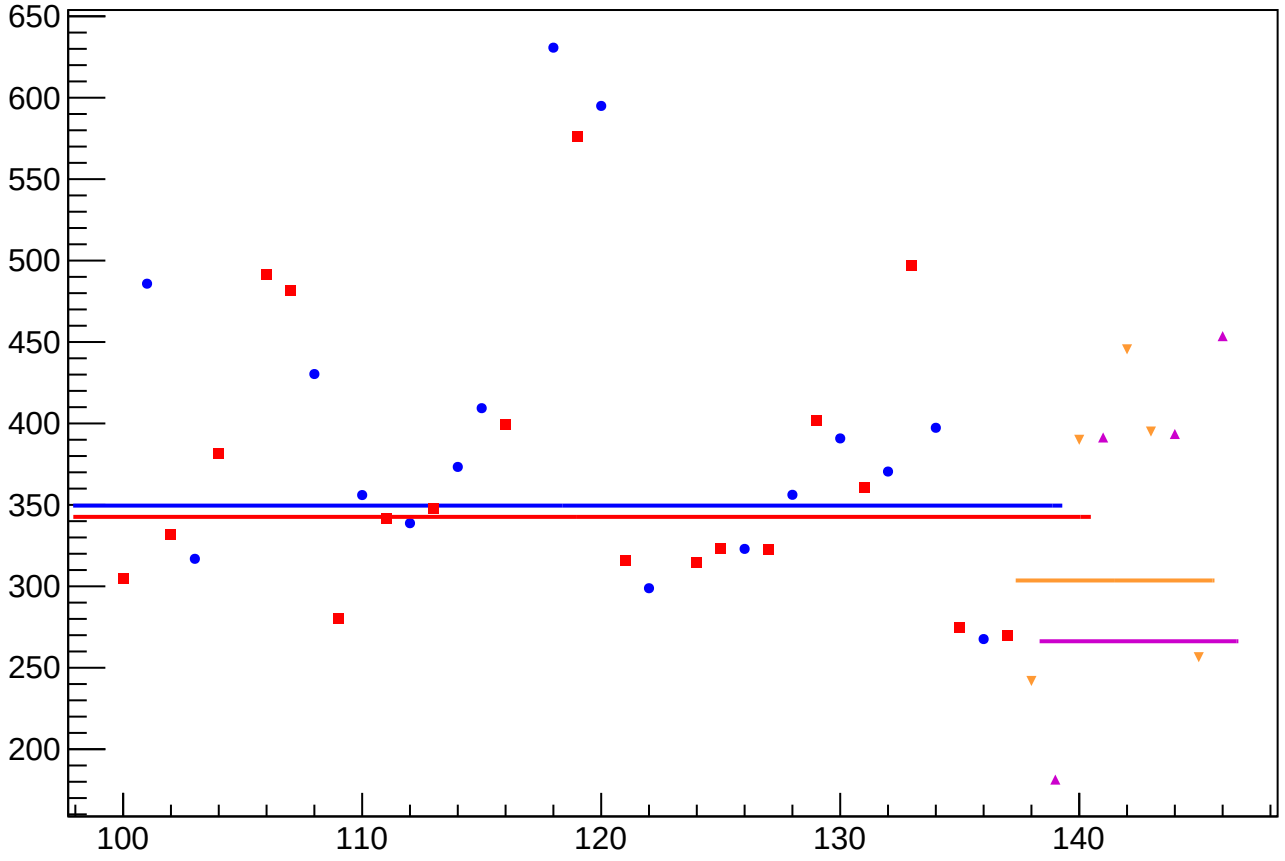
Left In: -0.099+/-0.156 χ^2/NDF:1.9/3

+ sign -0.025+/-0.105 χ^2/NDF: 11.0/20

All: -0.031+/-0.072 χ^2/NDF: 38.3/43

- sign -0.037+/-0.099 χ^2/NDF: 27.3/22

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 303.589+/-0.118 χ^2/NDF:395196.2/4

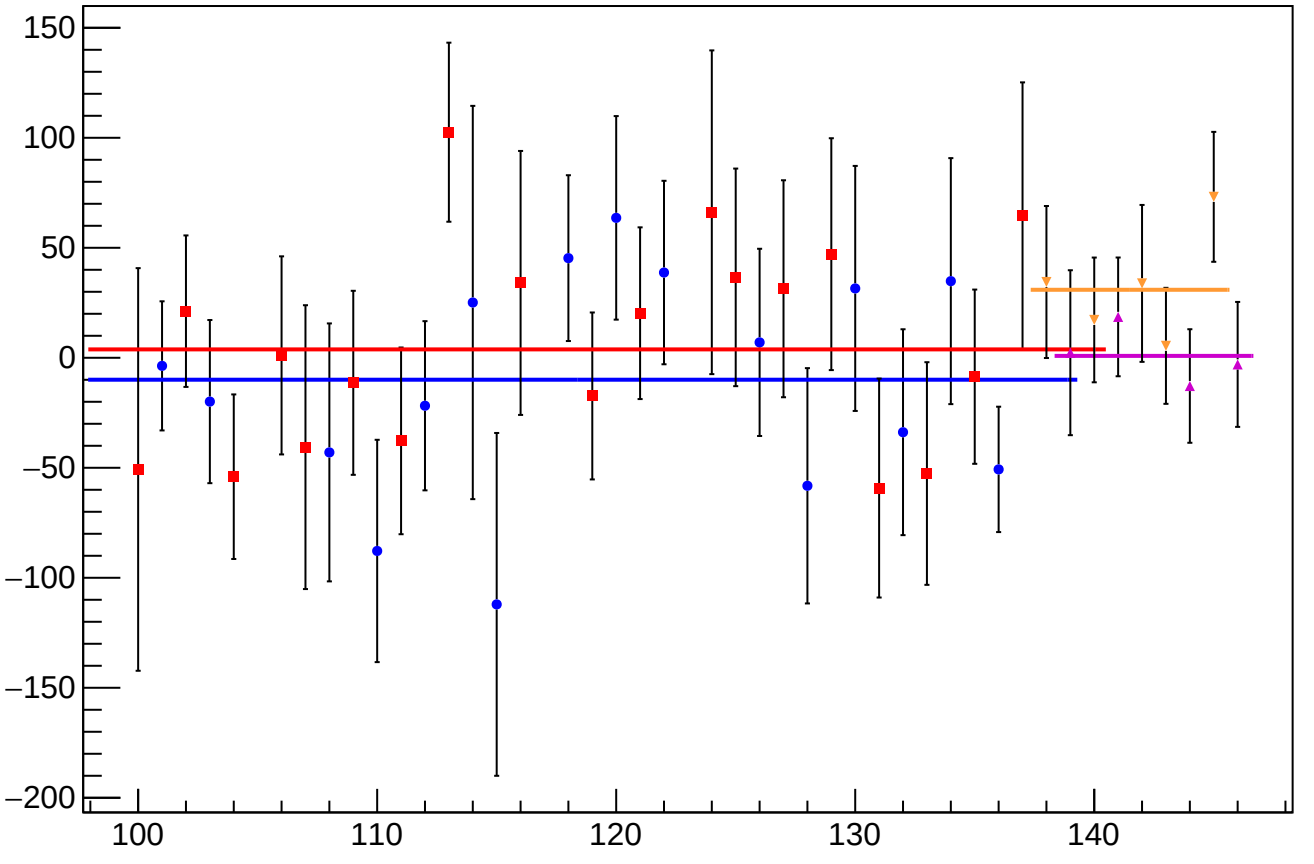
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 266.273+/-0.110 χ^2/NDF:1009236.9/3

+ sign 331.658+/-0.074 χ^2/NDF: 1186436.3/20

All: 321.182+/-0.051 χ^2/NDF: 3093940.9/43

- sign 311.705+/-0.070 χ^2/NDF: 1869261.3/22



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 30.910+/-13.541 χ^2/NDF:3.2/4

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

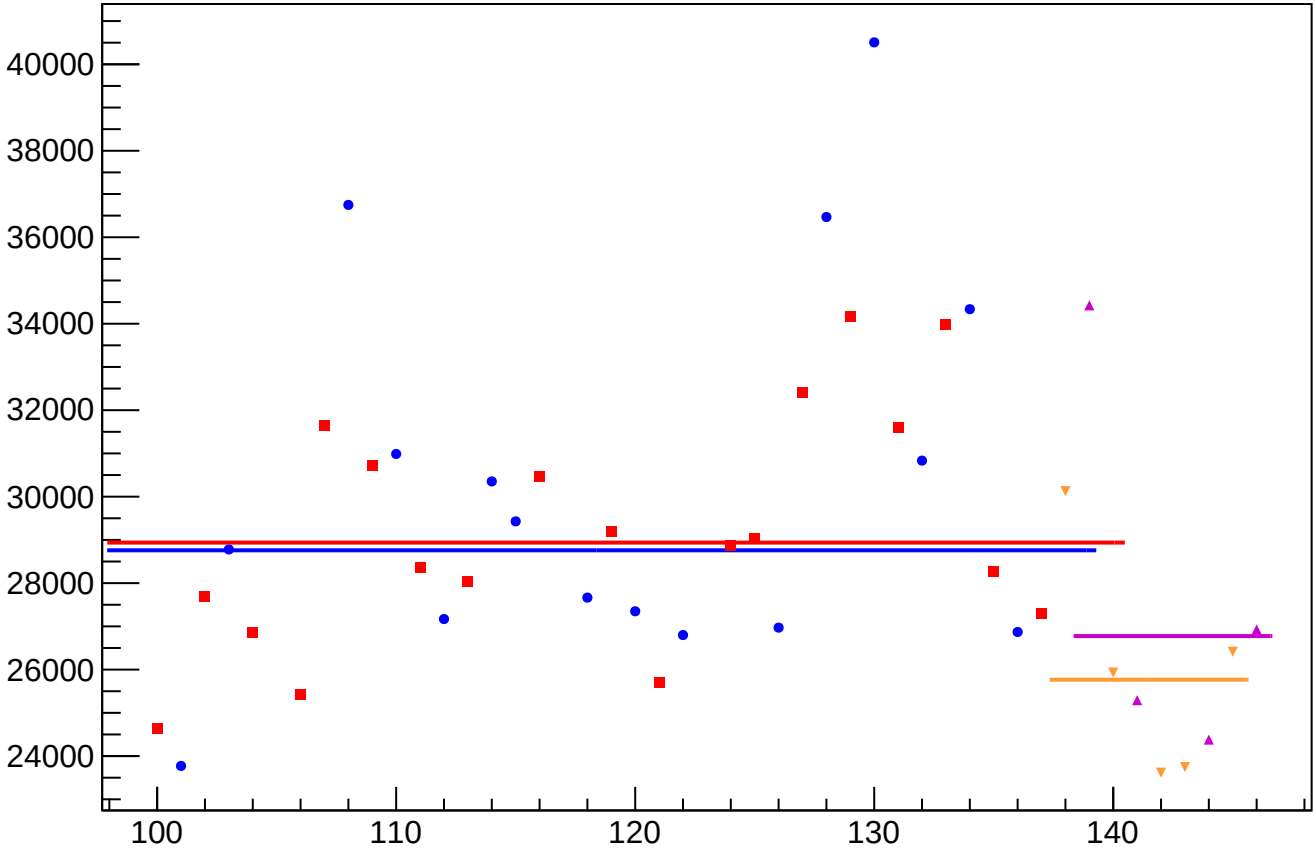
Left In: 0.865+/-14.395 χ^2/NDF:0.7/3

+ sign 5.990+/-8.461 χ^2/NDF: 24.1/20

All: 4.399+/-6.015 χ^2/NDF: 42.2/43

- sign 2.772+/-8.554 χ^2/NDF: 18.1/22

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25766.848+/-9.575 χ^2/NDF:51916.4/4

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

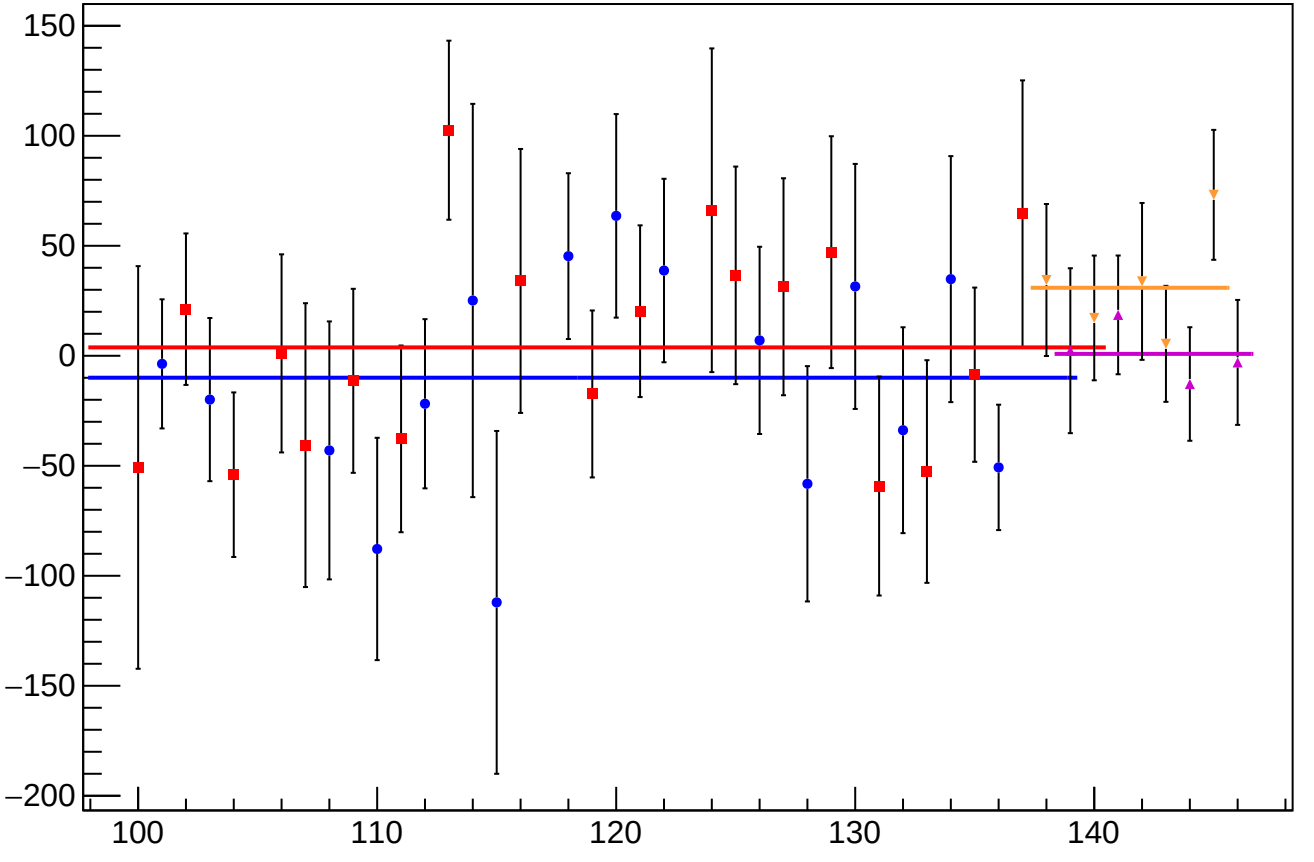
Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

+ sign 27590.959+/-5.983 χ^2/NDF: 389089.4/20

All: 27879.353+/-4.254 χ^2/NDF: 635809.5/43

- sign 28174.171+/-6.049 χ^2/NDF: 242020.9/22

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 30.910+/-13.541 χ^2/NDF:3.2/4

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

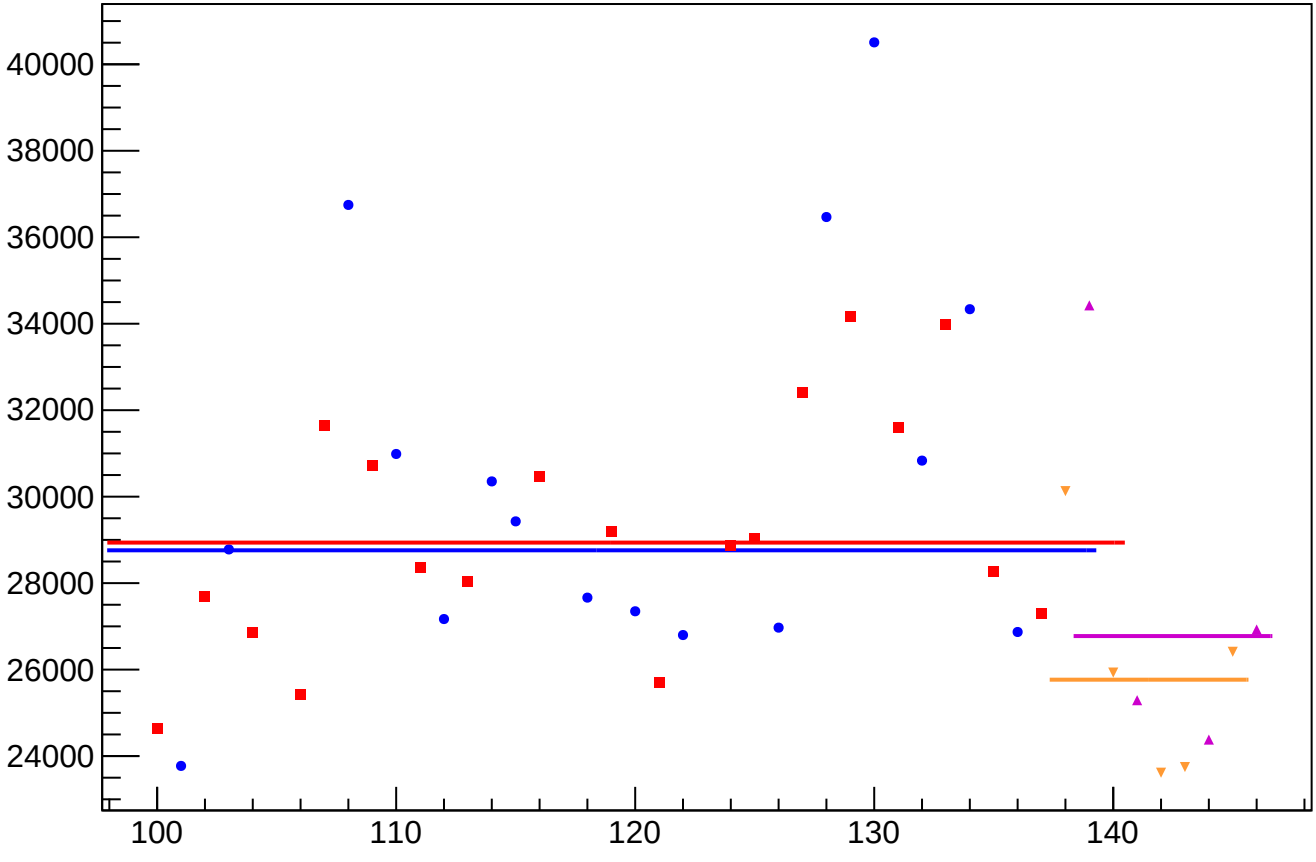
Left In: 0.865+/-14.395 χ^2/NDF:0.7/3

+ sign 5.990+/-8.461 χ^2/NDF: 24.1/20

All: 4.399+/-6.015 χ^2/NDF: 42.2/43

- sign 2.772+/-8.554 χ^2/NDF: 18.1/22

diff_bpmEX_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25766.848+/-9.575 χ^2/NDF:51916.4/4

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

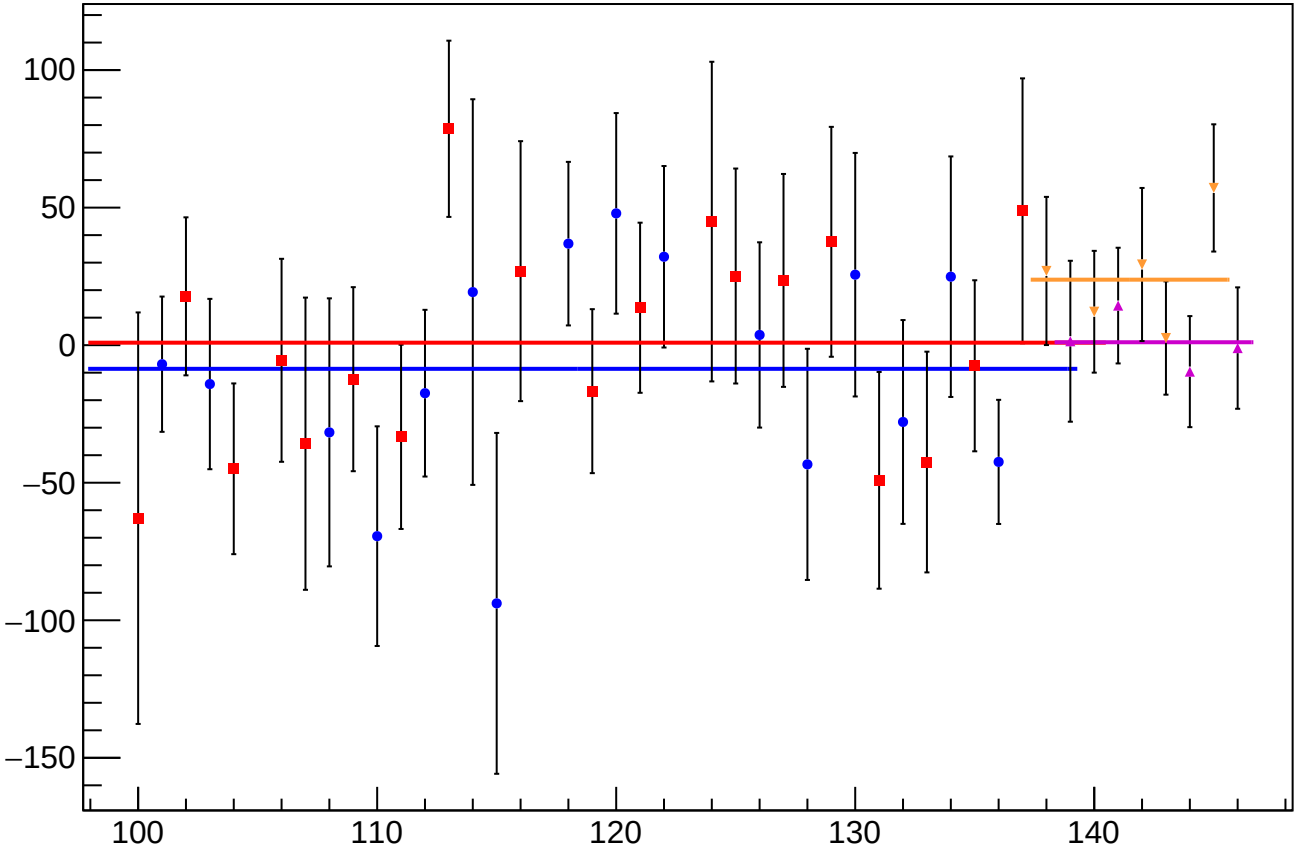
Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

+ sign 27590.959+/-5.983 χ^2/NDF: 389089.4/20

All: 27879.353+/-4.254 χ^2/NDF: 635809.5/43

- sign 28174.171+/-6.049 χ^2/NDF: 242020.9/22

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 23.809+/-10.577 χ^2/NDF:3.5/4

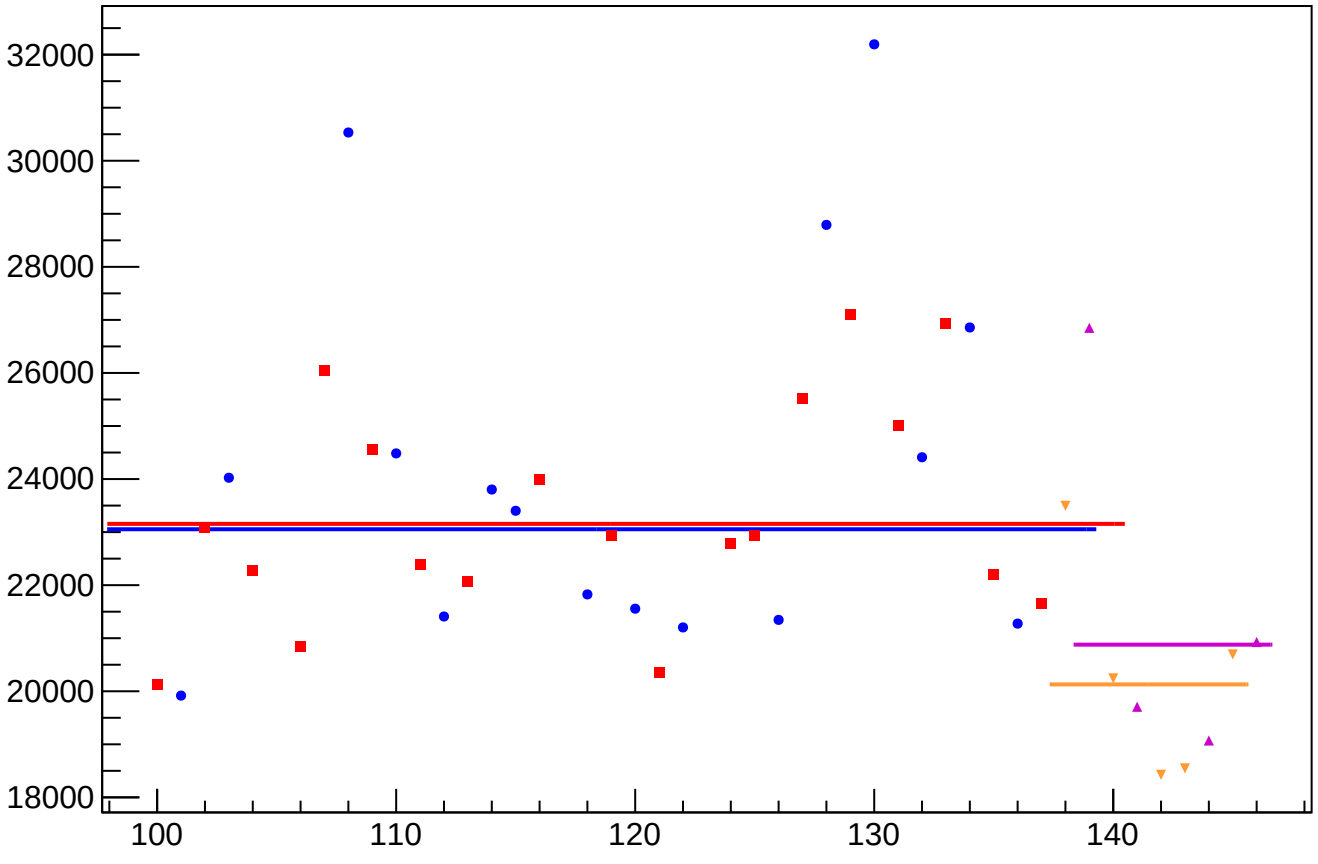
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 1.063+/-11.224 χ^2/NDF:0.7/3

+ sign 4.441+/-6.709 χ^2/NDF: 24.6/20

All: 2.719+/-4.769 χ^2/NDF: 43.0/43

- sign 0.962+/-6.779 χ^2/NDF: 18.3/22



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20129.159+/-7.479 χ^2/NDF:51798.6/4

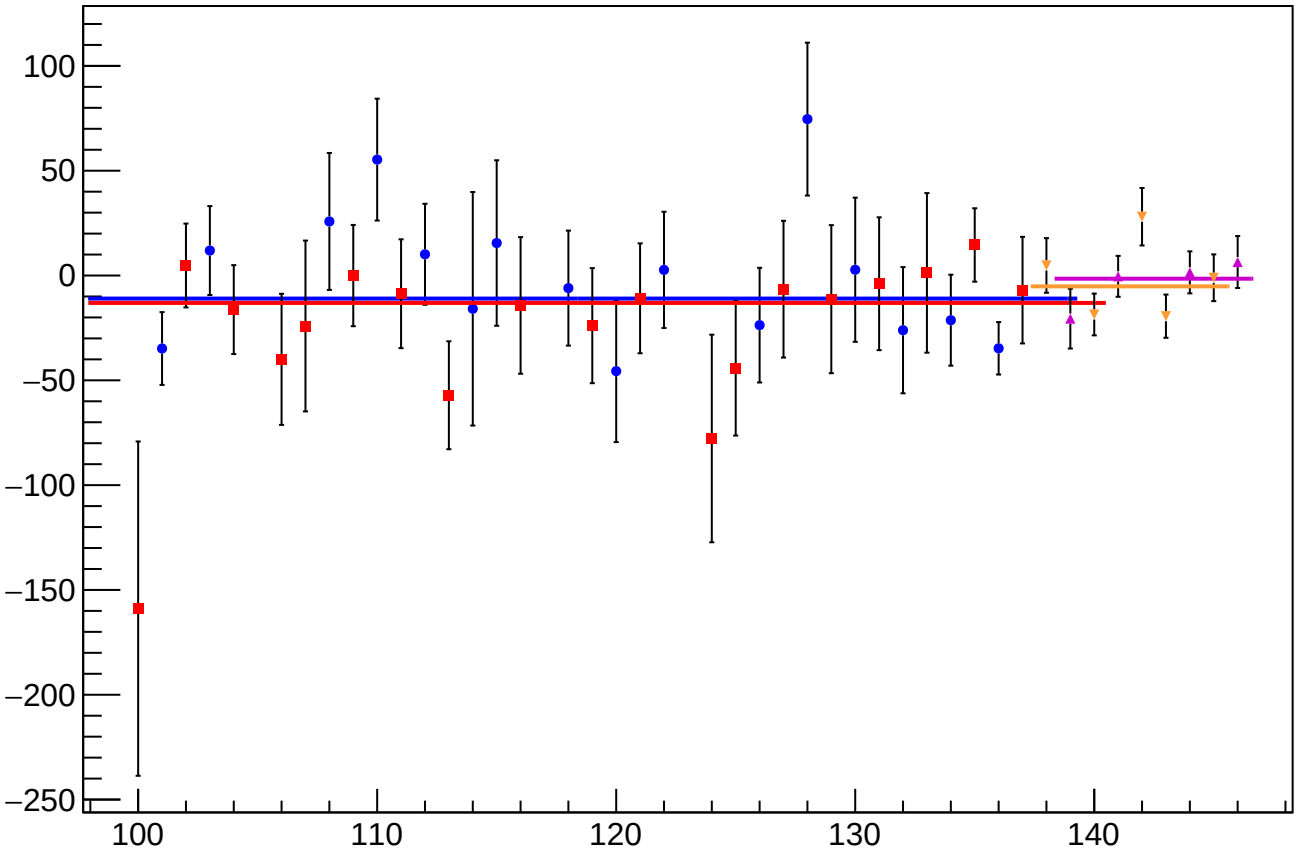
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20878.606+/-7.937 χ^2/NDF:105597.4/3

+ sign 21877.092+/-4.744 χ^2/NDF: 404643.4/20

All: 22098.591+/-3.372 χ^2/NDF: 660808.2/43

- sign 22324.744+/-4.794 χ^2/NDF: 251759.0/22



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -5.176+/-5.081 χ^2/NDF:10.3/4

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

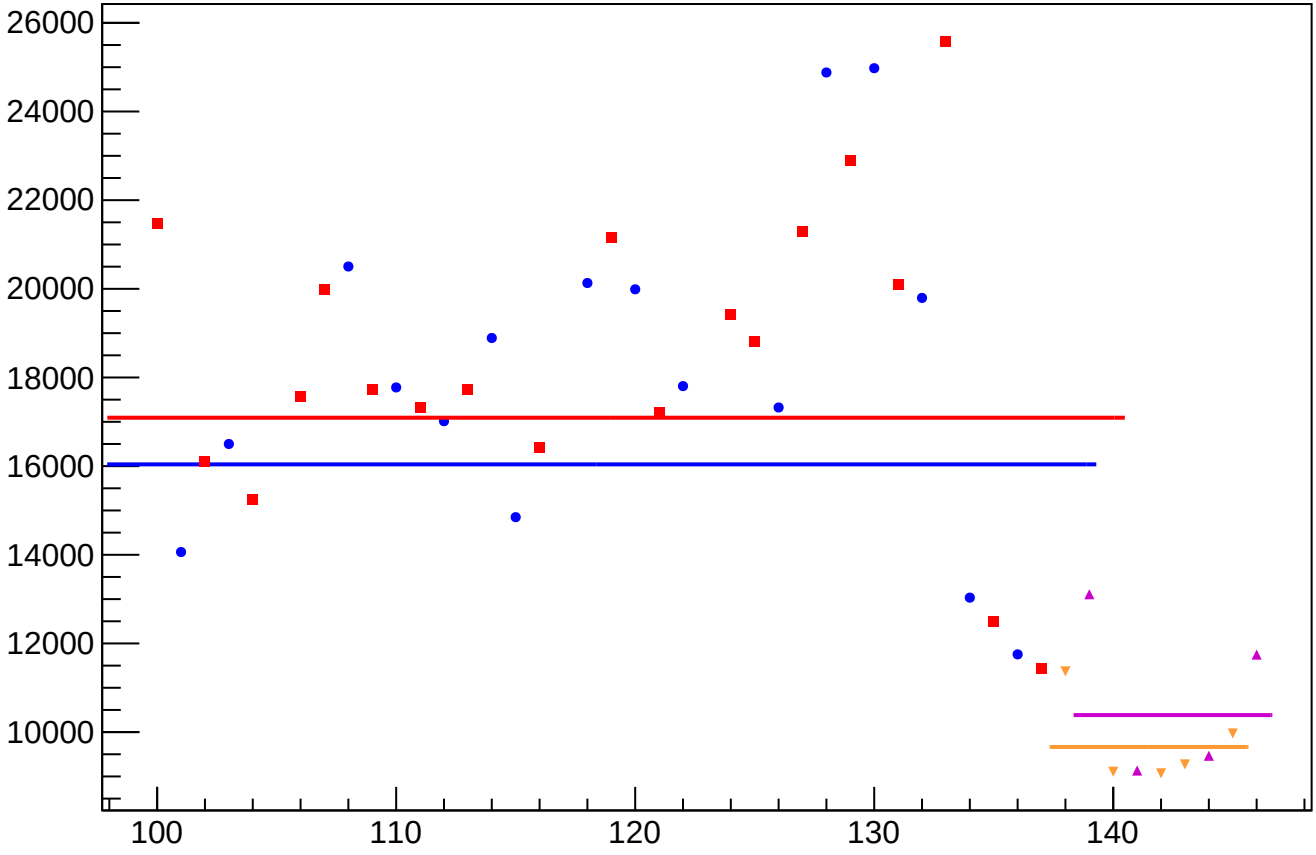
Left In: -1.515+/-5.599 χ^2/NDF:2.3/3

+ sign -7.537+/-3.918 χ^2/NDF: 32.9/20

All: -7.074+/-2.868 χ^2/NDF: 50.9/43

- sign -6.541+/-4.209 χ^2/NDF: 18.0/22

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9664.702+/-3.593 χ^2/NDF:48743.3/4

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

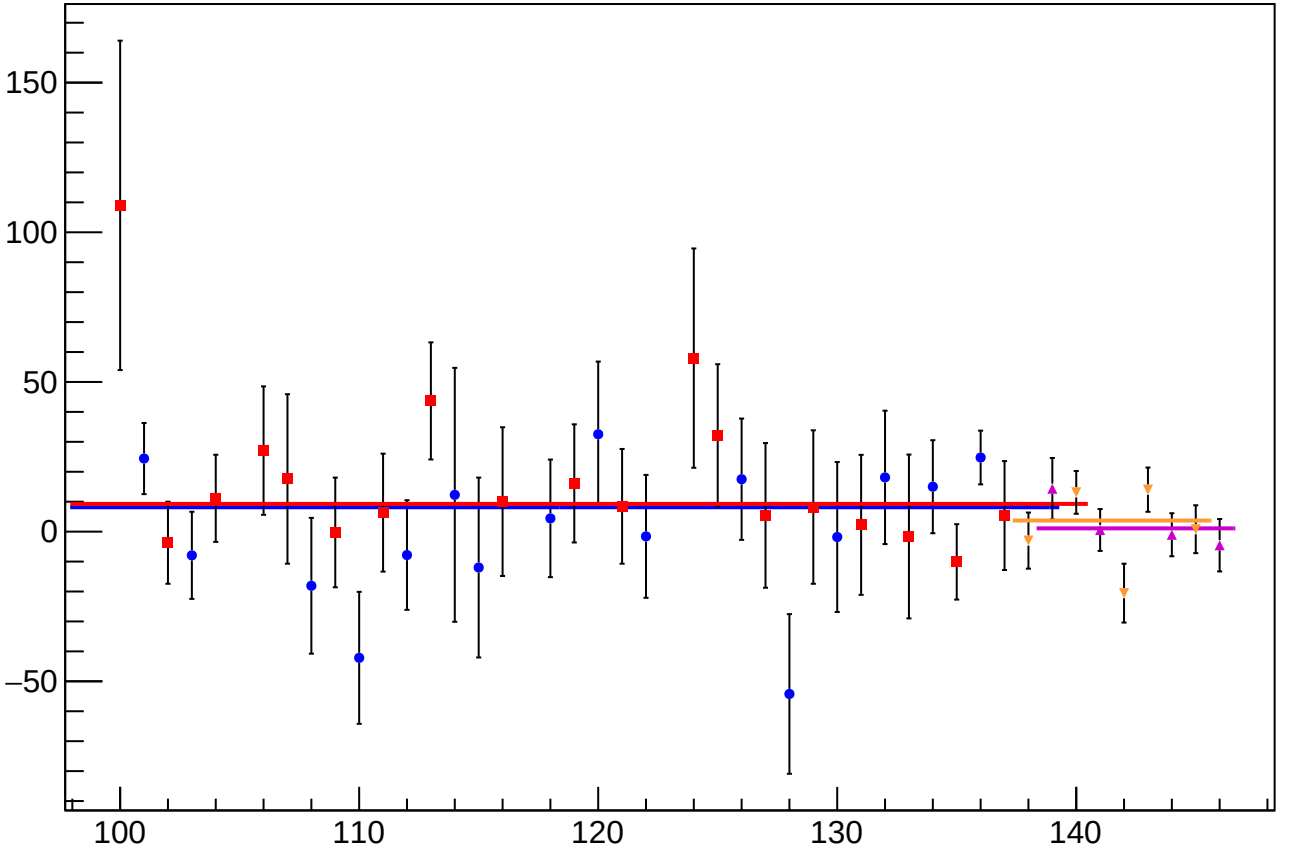
Left In: 10384.119+/-3.959 χ^2/NDF:147098.4/3

+ sign 12248.381+/-2.771 χ^2/NDF: 2047634.7/20

All: 12737.402+/-2.028 χ^2/NDF: 4046166.4/4

- sign 13301.599+/-2.976 χ^2/NDF: 1931435.4/22

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 3.711+/-3.646 χ^2/NDF:10.4/4

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

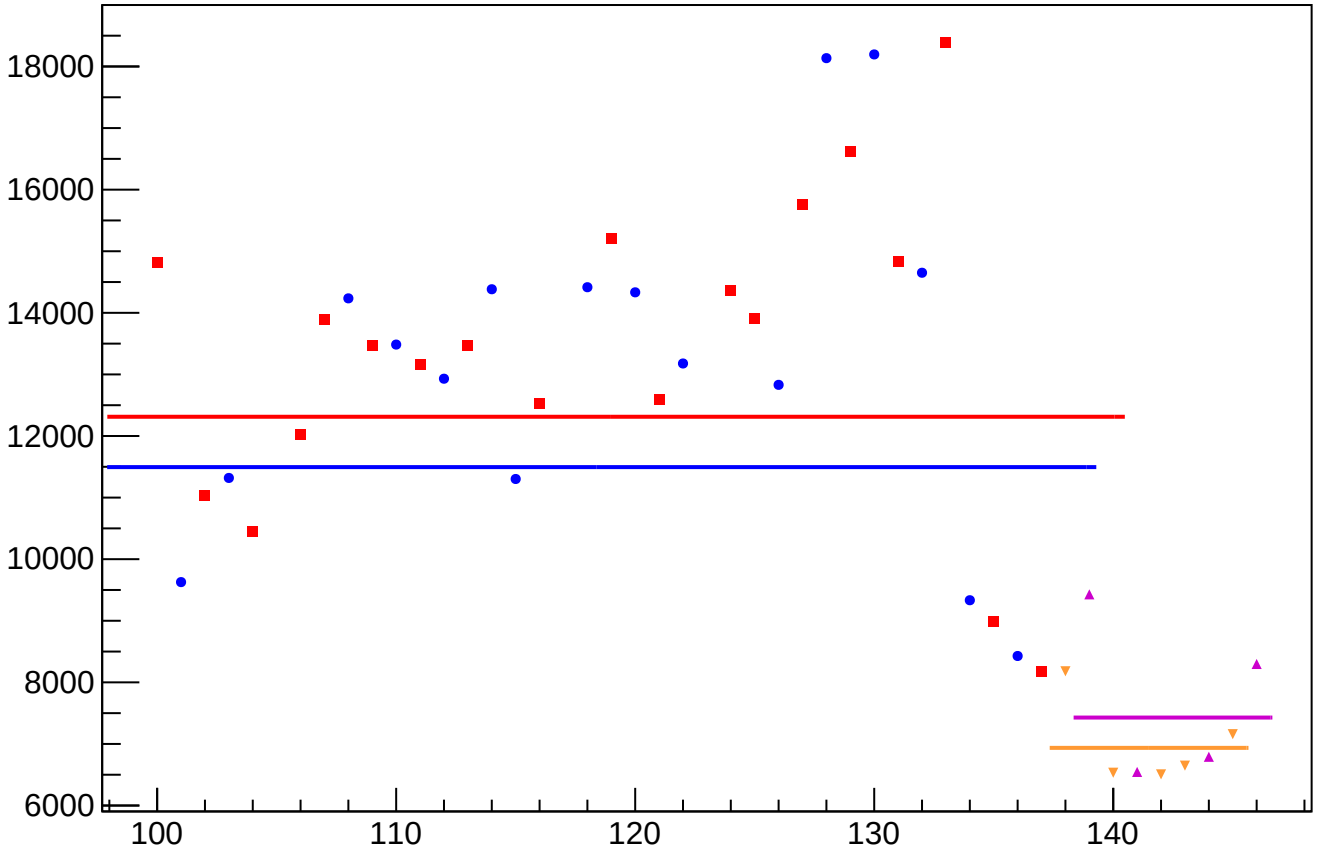
Left In: 1.095+/-4.004 χ^2/NDF:2.2/3

+ sign 5.507+/-2.813 χ^2/NDF: 32.8/20

All: 5.092+/-2.059 χ^2/NDF: 50.7/43

- sign 4.613+/-3.022 χ^2/NDF: 17.8/22

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 6936.257+/-2.578 χ^2/NDF:50008.0/4

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

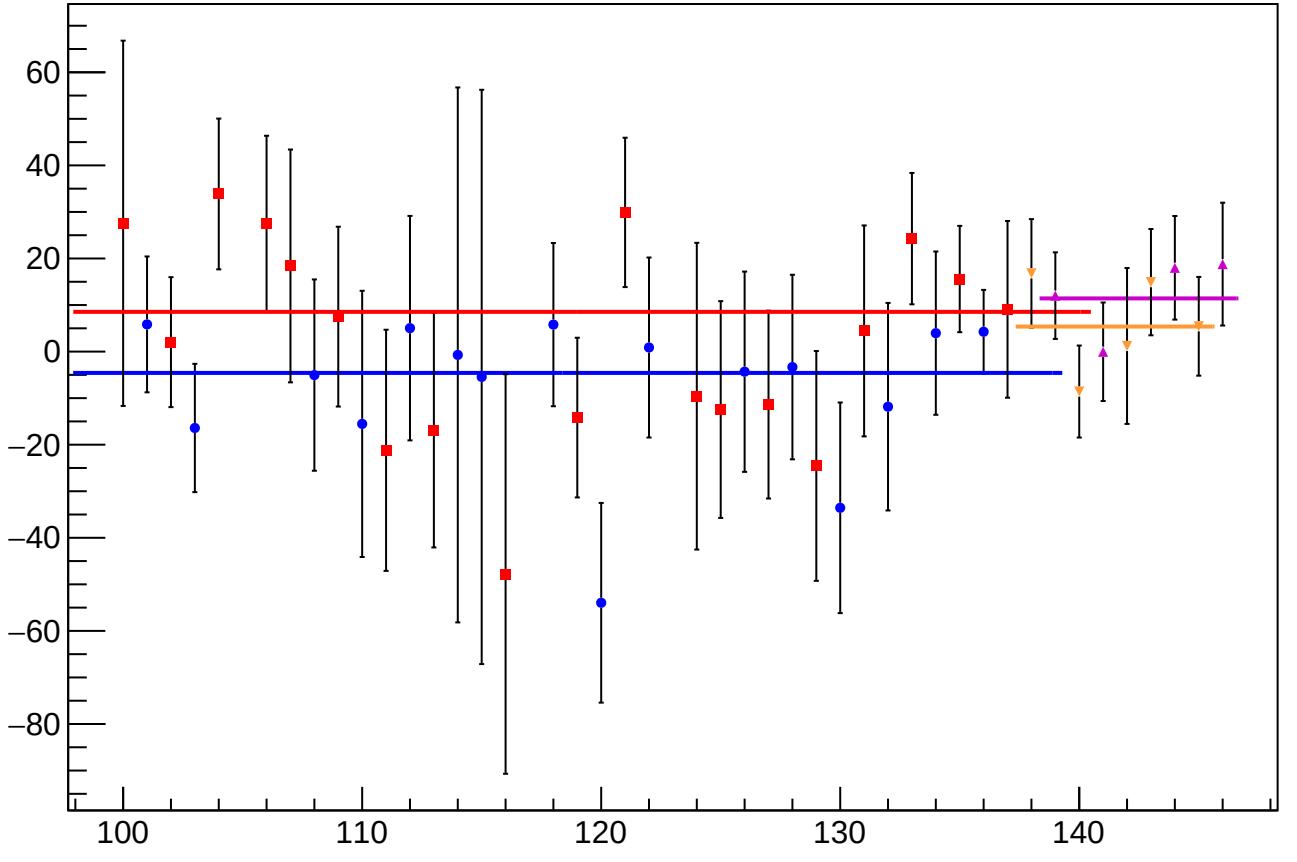
Left In: 7428.325+/-2.831 χ^2/NDF:143503.0/3

+ sign 8780.823+/-1.989 χ^2/NDF: 2105040.4/20

All: 9128.615+/-1.456 χ^2/NDF: 4193713.2/43

- sign 9529.939+/-2.137 χ^2/NDF: 2022839.4/22

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.381+/-5.148 χ^2/NDF:3.7/4

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

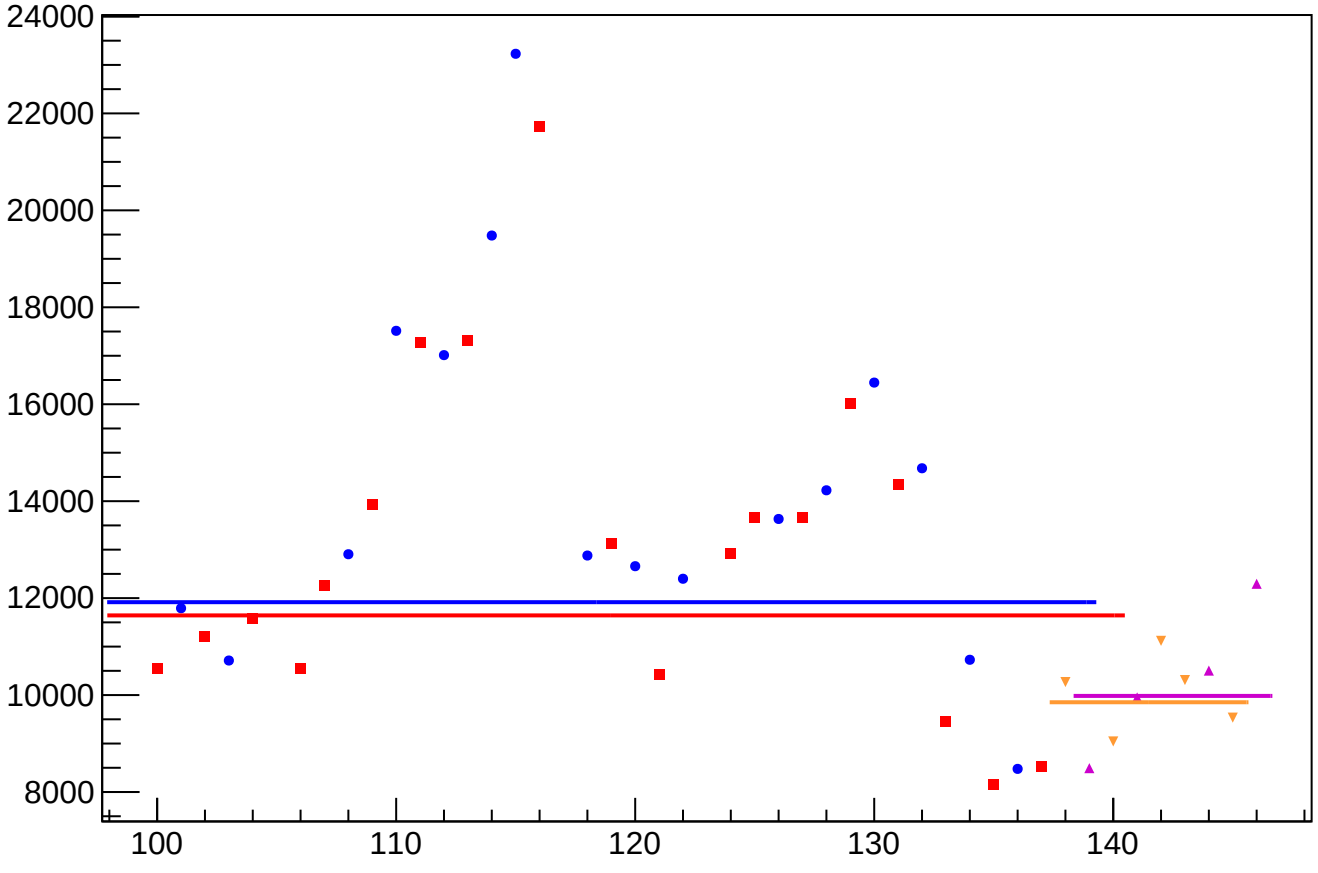
Left In: 11.425+/-5.399 χ^2/NDF:1.8/3

\+ sign -0.206+/-3.411 χ^2/NDF: 16.1/20

All: 4.746+/-2.411 χ^2/NDF: 39.5/43

\- sign 9.687+/-3.407 χ^2/NDF: 19.2/22

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 9851.807+/-3.640 χ^2/NDF:32403.6/4

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

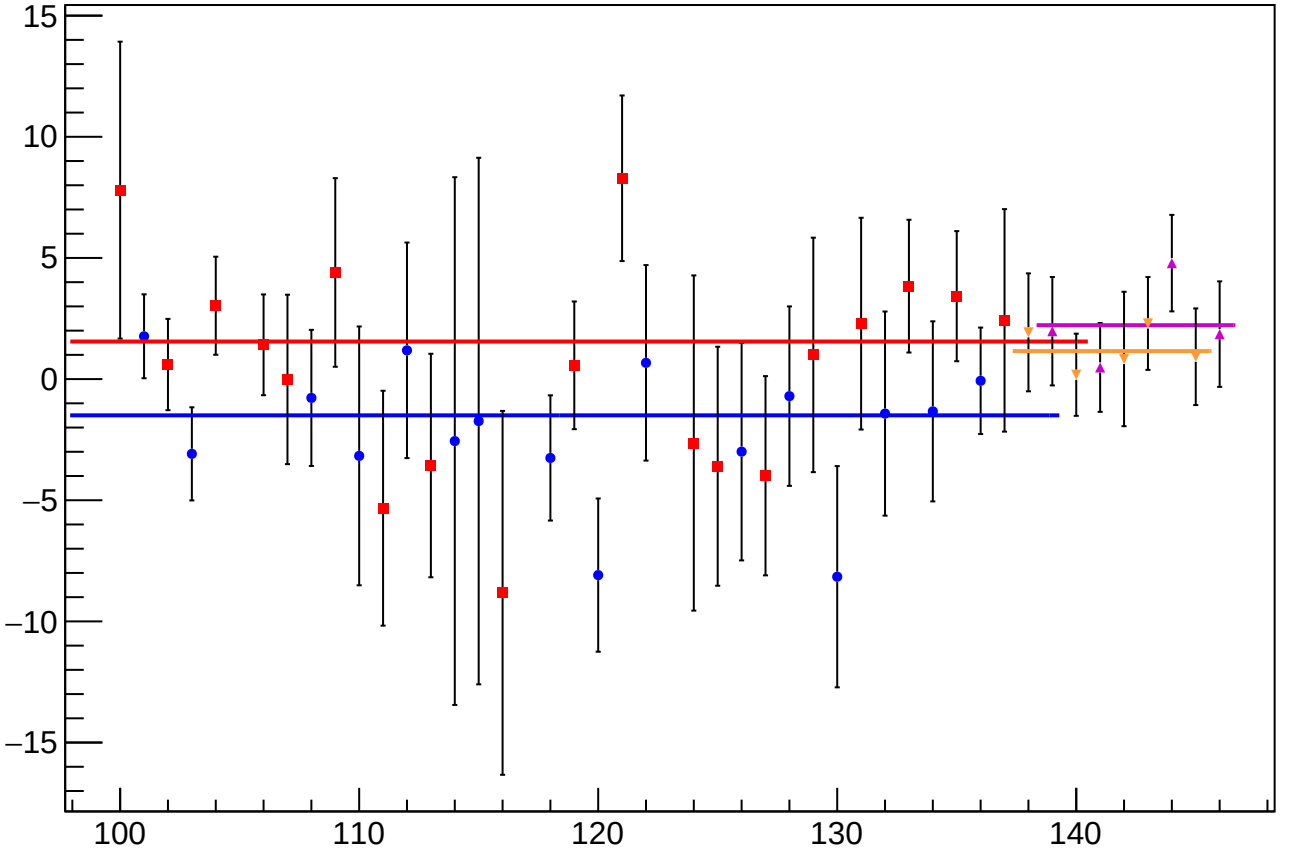
Left In: 9982.748+/-3.818 χ^2/NDF:117254.5/3

+ sign 11009.924+/-2.412 χ^2/NDF: 962644.0/20

All: 10996.032+/-1.705 χ^2/NDF: 1984213.8/4

- sign 10982.169+/-2.409 χ^2/NDF: 1021503.5/22

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.156+/-0.924 χ^2/NDF:0.8/4

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

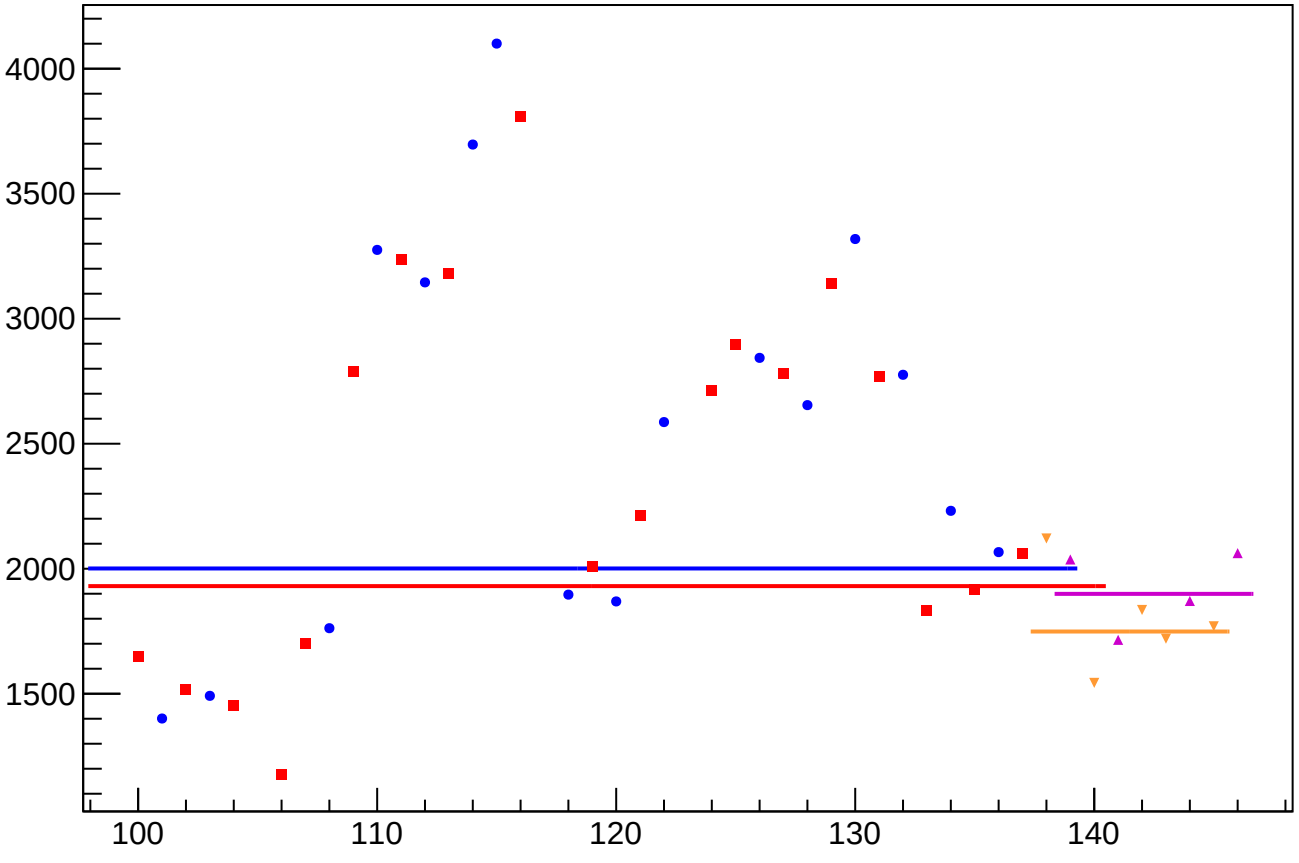
Left In: 2.225+/-1.020 χ^2/NDF:2.6/3

+ sign -0.396+/-0.595 χ^2/NDF: 18.2/20

All: 0.683+/-0.423 χ^2/NDF: 44.0/43

- sign 1.785+/-0.601 χ^2/NDF: 19.2/22

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1748.831+/-0.654 χ^2/NDF:78744.6/4

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

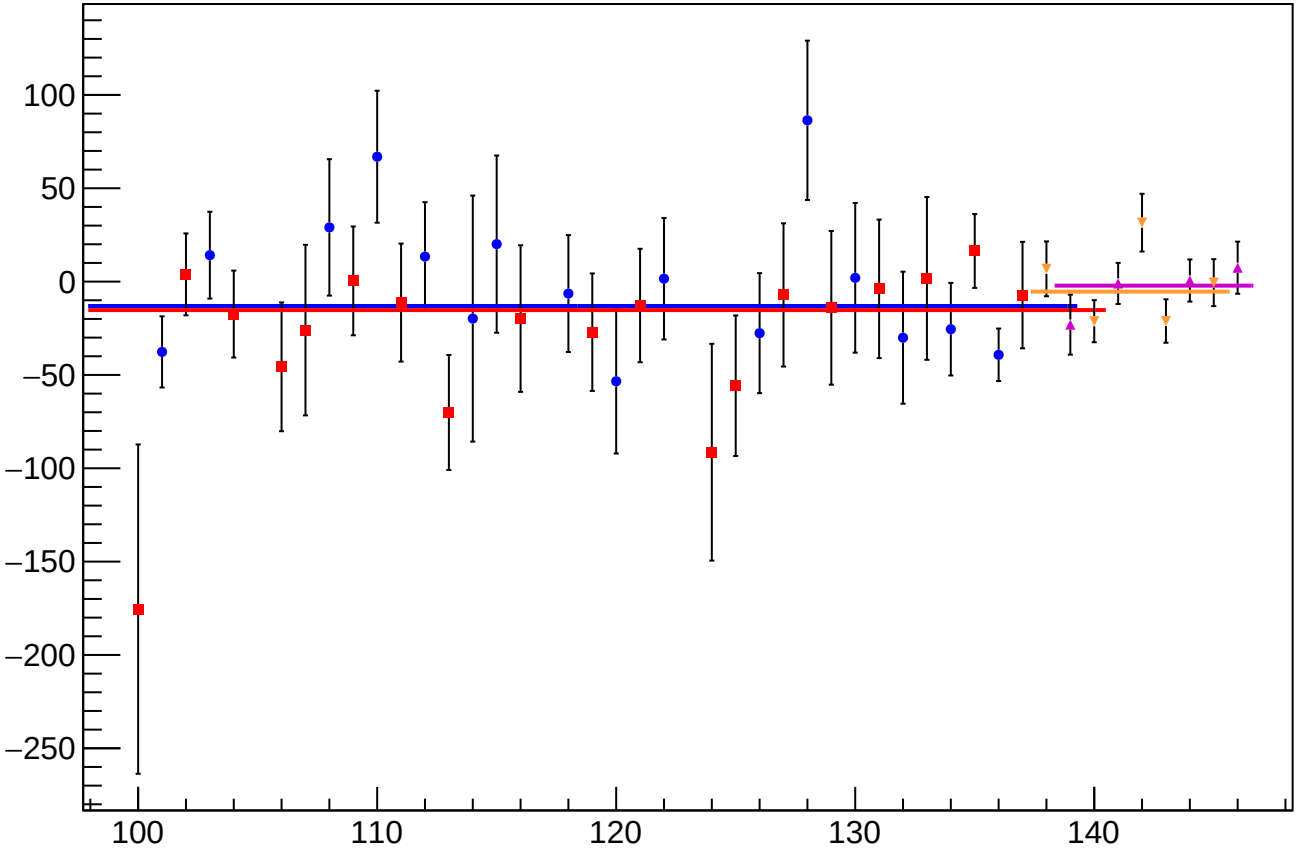
Left In: 1899.416+/-0.721 χ^2/NDF:39291.3/3

+ sign 1896.389+/-0.421 χ^2/NDF: 1355638.8/20

All: 1907.904+/-0.299 χ^2/NDF: 2801200.8/43

- sign 1919.656+/-0.425 χ^2/NDF: 1444050.1/22

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -5.360+/-5.735 χ^2/NDF:10.4/4

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

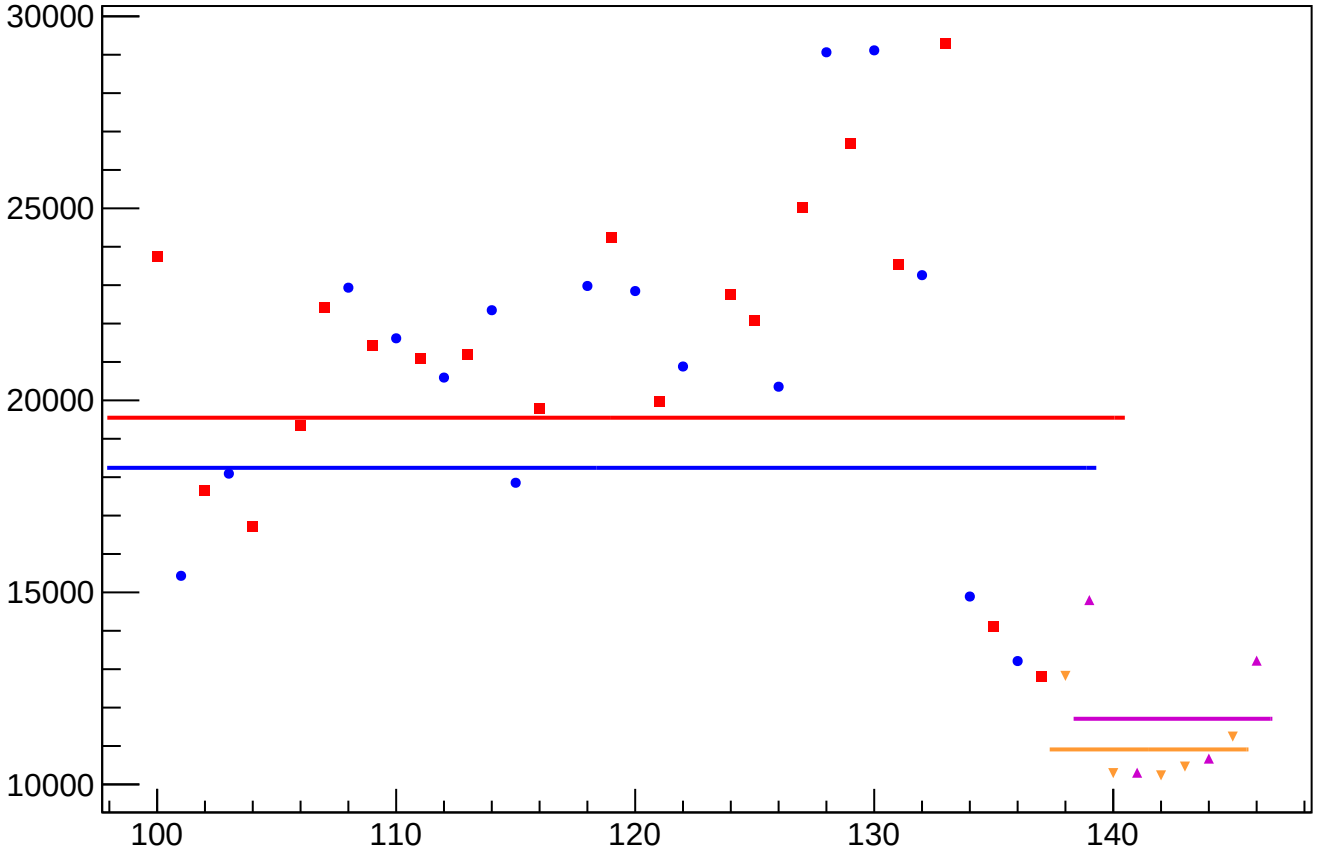
Left In: -2.163+/-6.313 χ^2/NDF:2.2/3

+ sign -8.441+/-4.443 χ^2/NDF: 32.9/20

All: -8.119+/-3.255 χ^2/NDF: 51.4/43

- sign -7.746+/-4.781 χ^2/NDF: 18.4/22

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 10910.512+/-4.055 χ^2/NDF:48138.0/4

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

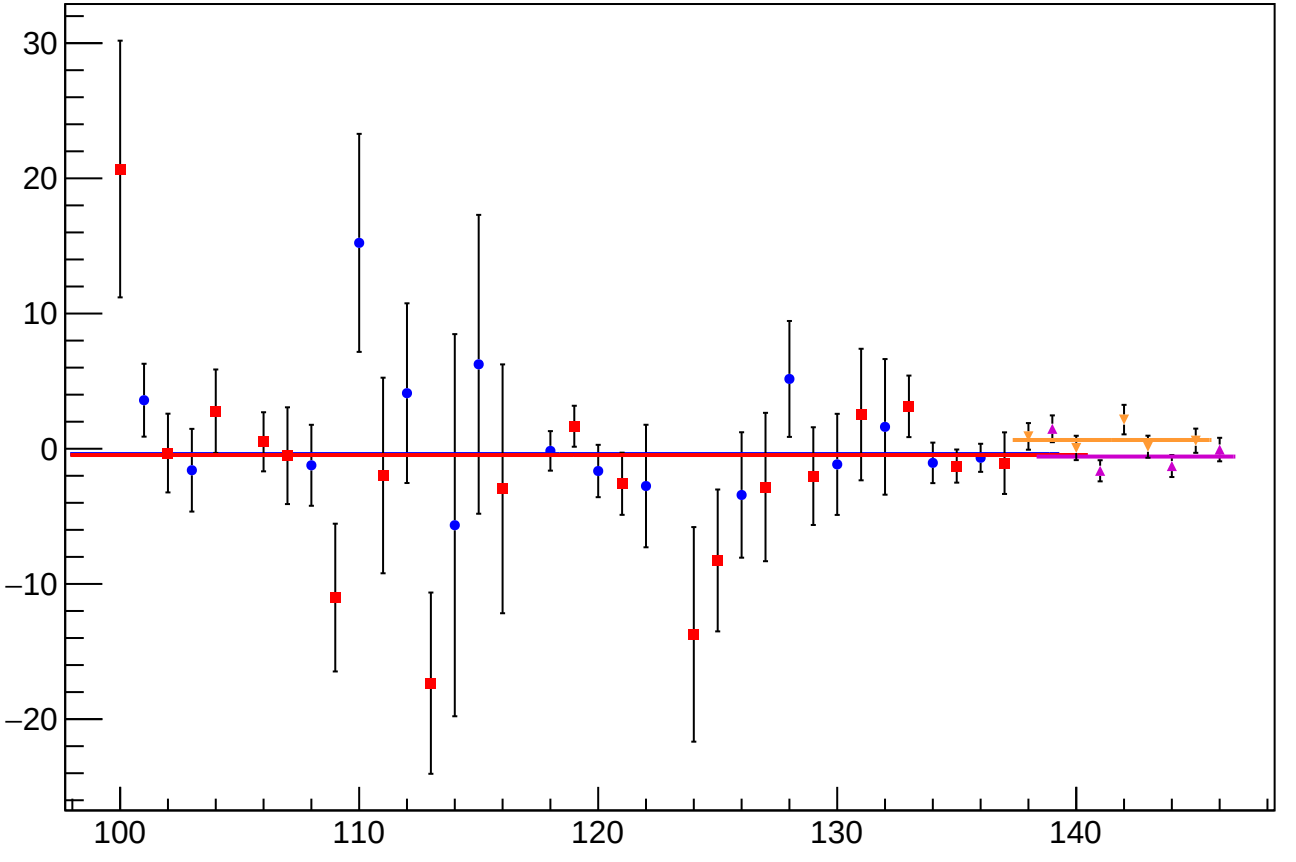
Left In: 11708.908+/-4.464 χ^2/NDF:146723.9/3

+ sign 13842.476+/-3.142 χ^2/NDF: 2175269.0/20

All: 14403.156+/-2.301 χ^2/NDF: 4327816.4/4

- sign 15052.345+/-3.381 χ^2/NDF: 2083819.4/22

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.647+/-0.413 χ^2/NDF:2.8/4

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

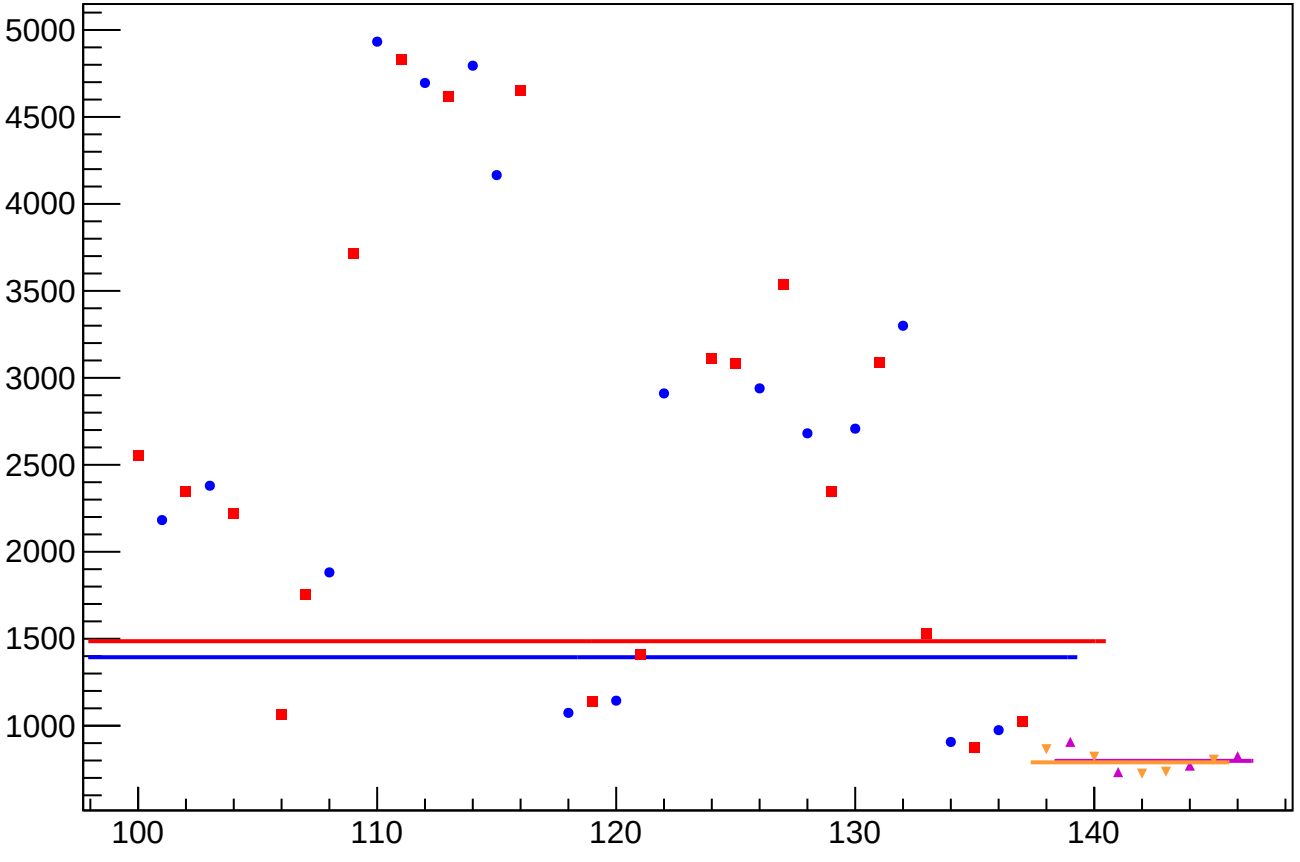
Left In: -0.579+/-0.427 χ^2/NDF:7.2/3

+ sign 0.312+/-0.340 χ^2/NDF: 15.2/20

All: -0.099+/-0.245 χ^2/NDF: 53.6/43

- sign -0.543+/-0.354 χ^2/NDF: 35.3/22

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 789.497+/-0.292 χ^2/NDF:30693.0/4

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

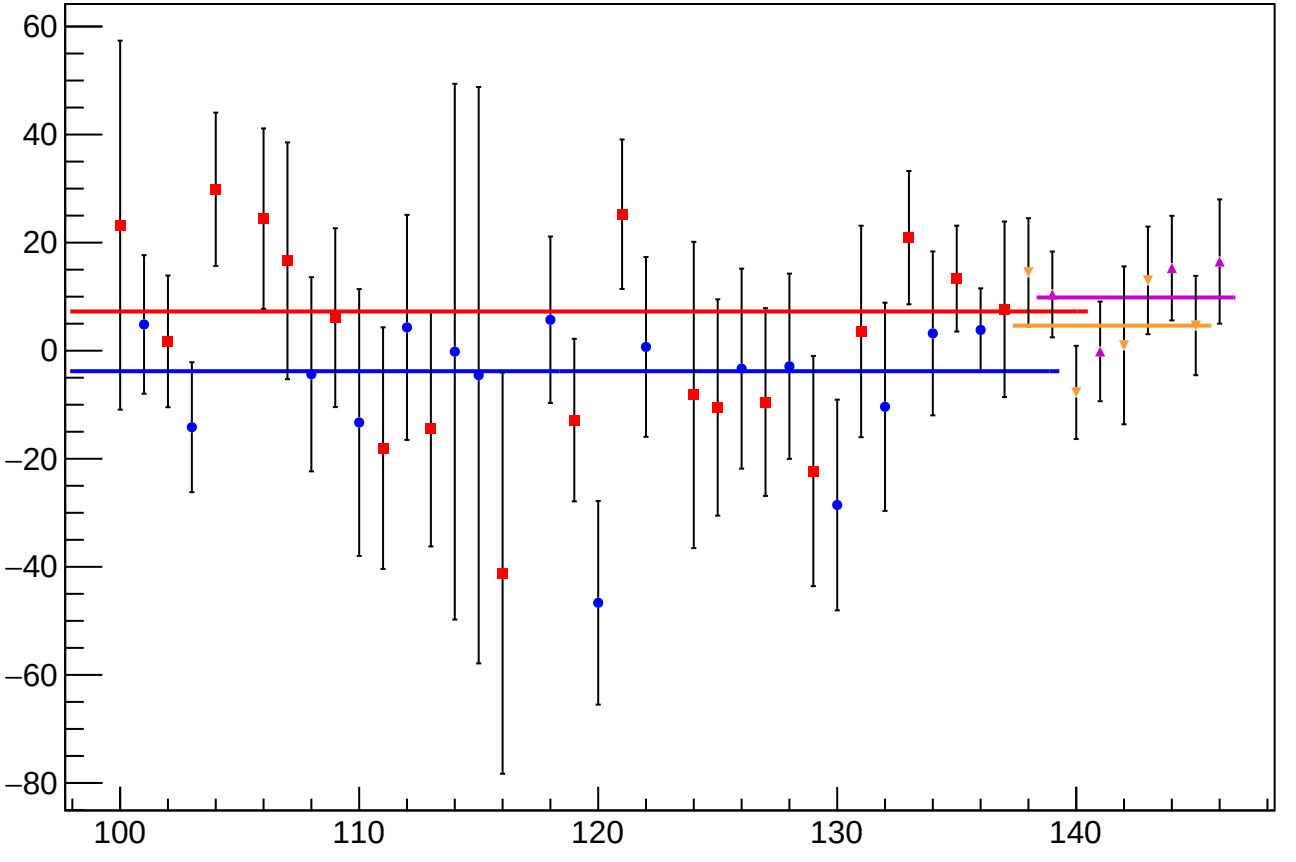
Left In: 797.919+/-0.302 χ^2/NDF:42225.8/3

\+ sign 983.991+/-0.241 χ^2/NDF: 4787548.7/20

All: 997.694+/-0.174 χ^2/NDF: 9856888.1/43

\- sign 1012.511+/-0.250 χ^2/NDF: 5062595.5/22

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 4.638+/-4.470 χ^2/NDF:3.8/4

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

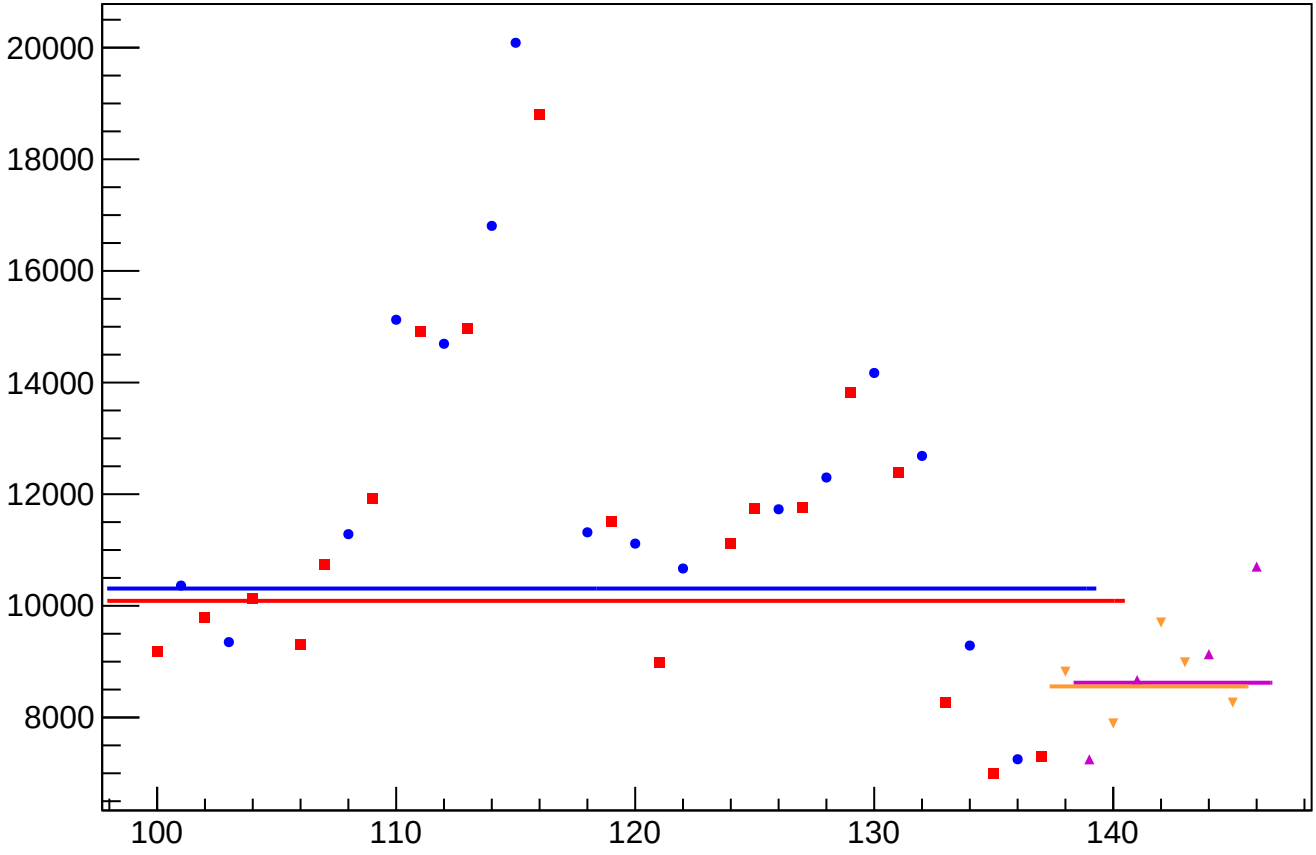
Left In: 9.851+/-4.669 χ^2/NDF:1.8/3

+ sign -0.105+/-2.957 χ^2/NDF: 15.9/20

All: 4.106+/-2.089 χ^2/NDF: 39.2/43

- sign 8.297+/-2.950 χ^2/NDF: 19.3/22

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 8556.398+/-3.161 χ^2/NDF:31239.7/4

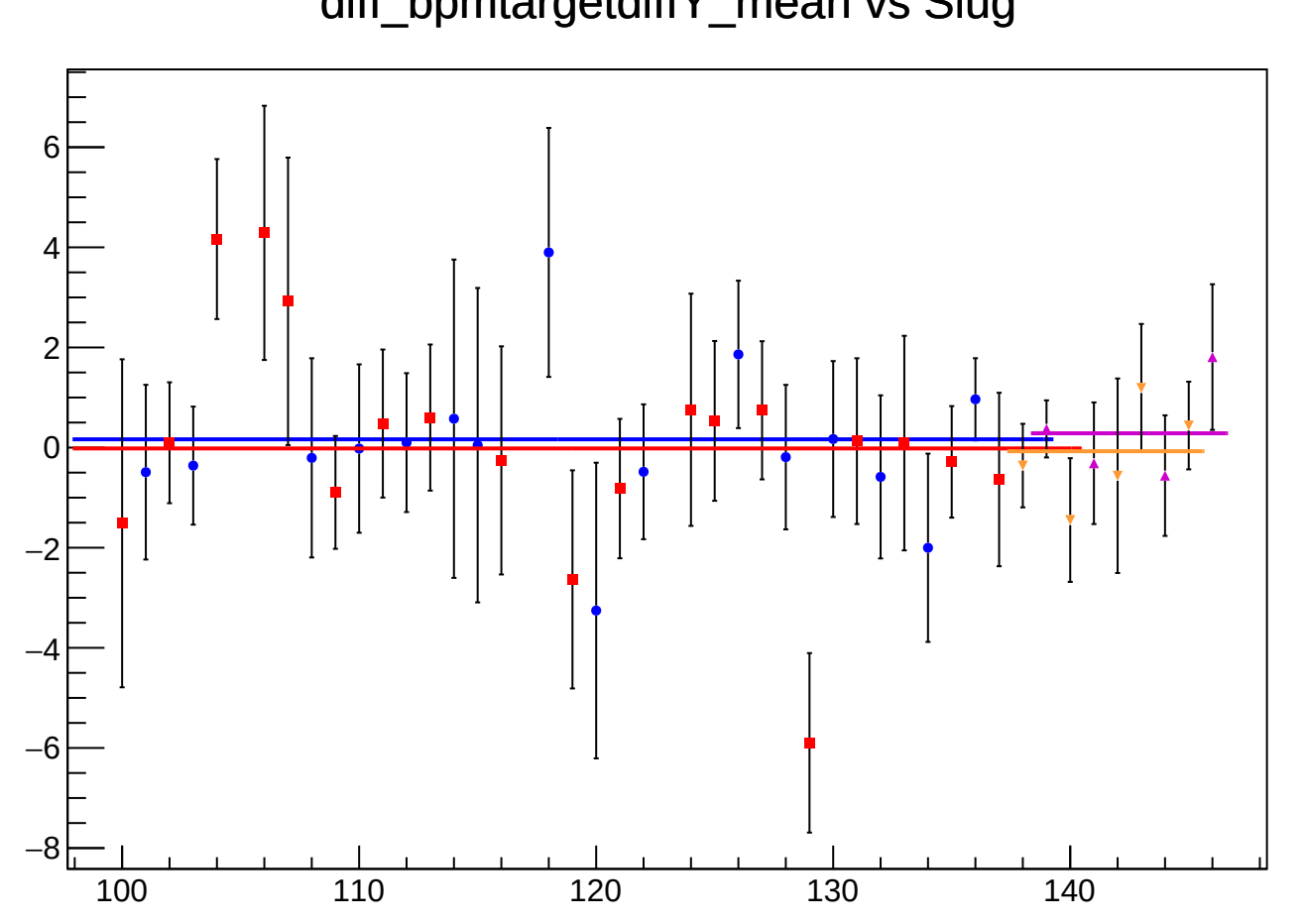
Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8622.527+/-3.302 χ^2/NDF:130849.9/3

+ sign 9542.661+/-2.091 χ^2/NDF: 974838.5/20

All: 9523.158+/-1.477 χ^2/NDF: 2017255.3/43

- sign 9503.742+/-2.086 χ^2/NDF: 1042243.2/22



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.073+/-0.484 χ^2/NDF:2.7/4

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

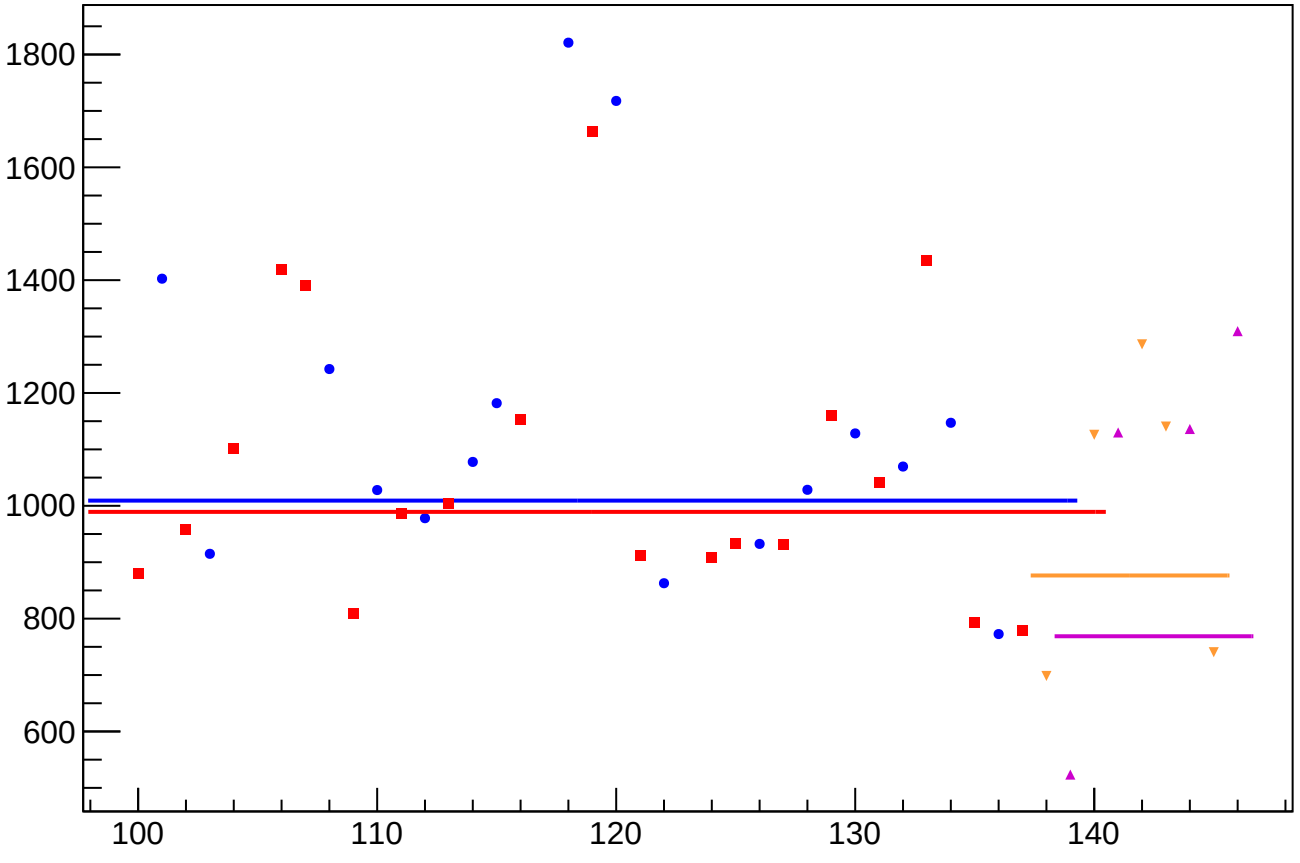
Left In: 0.286+/-0.451 χ^2/NDF:1.9/3

+ sign 0.073+/-0.302 χ^2/NDF: 11.0/20

All: 0.090+/-0.208 χ^2/NDF: 38.3/43

- sign 0.106+/-0.287 χ^2/NDF: 27.3/22

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 876.497+/-0.342 χ^2/NDF:395196.2/4

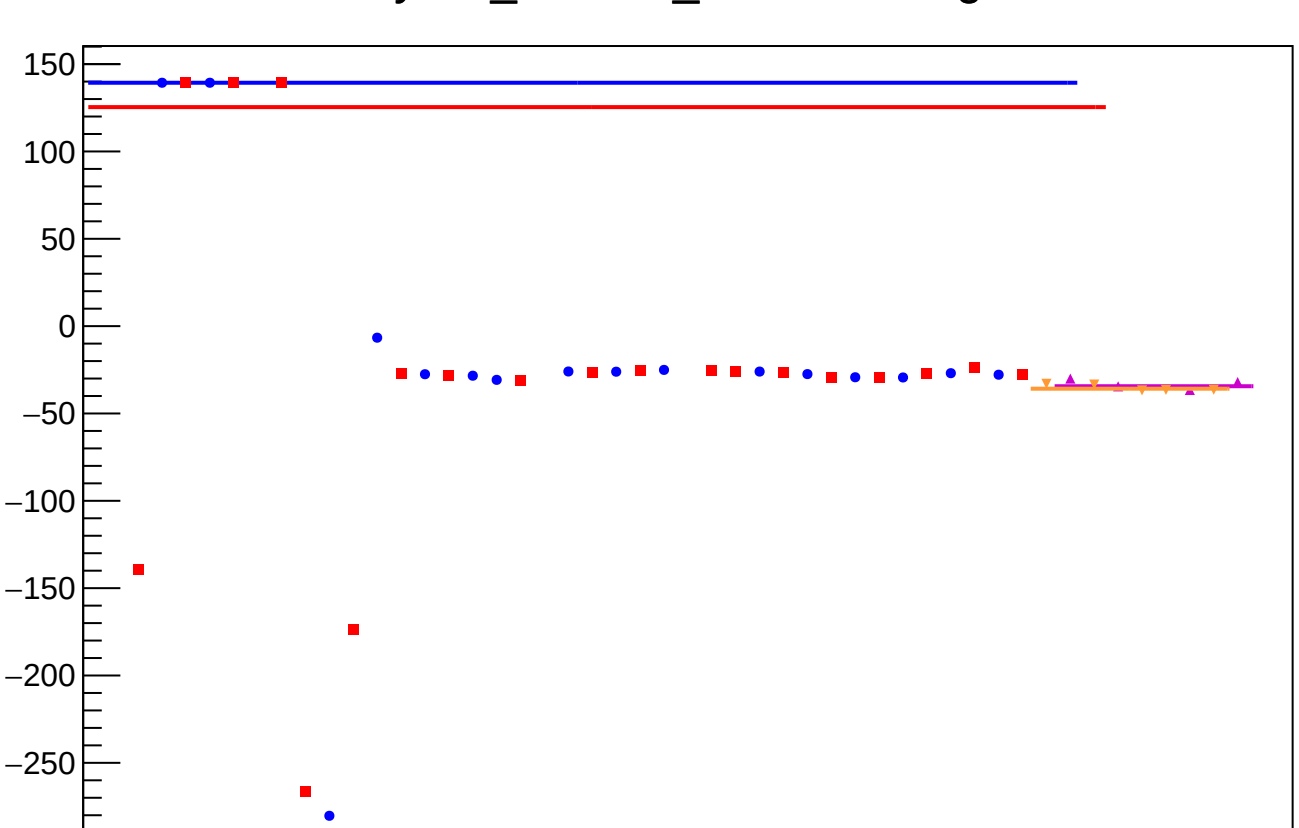
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 768.762+/-0.319 χ^2/NDF:1009236.9/3

+ sign 957.535+/-0.213 χ^2/NDF: 1186436.3/20

All: 927.289+/-0.147 χ^2/NDF: 3093940.9/43

- sign 899.929+/-0.203 χ^2/NDF: 1869261.3/22



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -35.813+/-0.001 χ^2/NDF:3286647.2/4

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

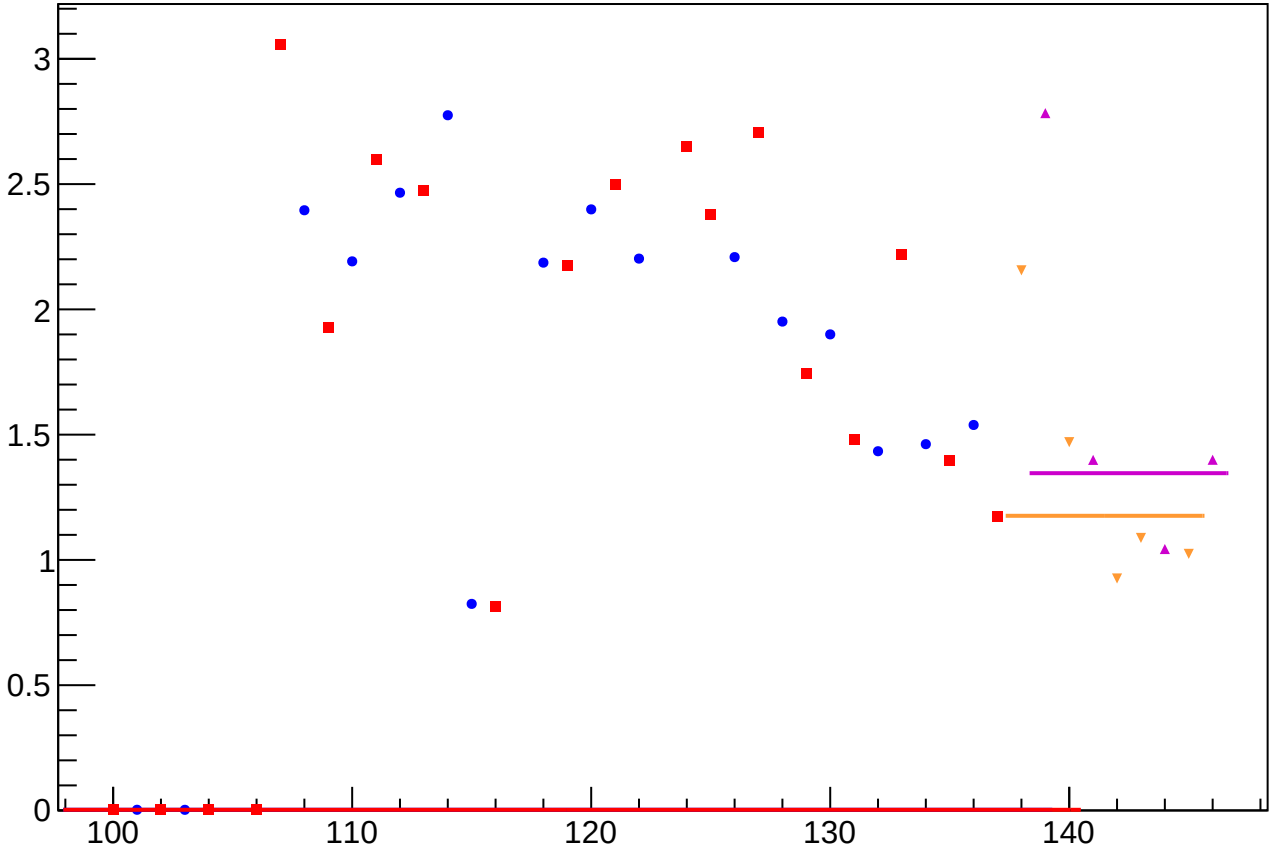
Left In: -34.401+/-0.001 χ^2/NDF:6991130.4/3

+ sign 139.335+/-0.000 χ^2/NDF: 102478633988.2/2

All: 131.817+/-0.000 χ^2/NDF: 79309434330

- sign 125.391+/-0.000 χ^2/NDF: 774208799139558

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.176+/-0.001 χ^2/NDF:392850.3/4

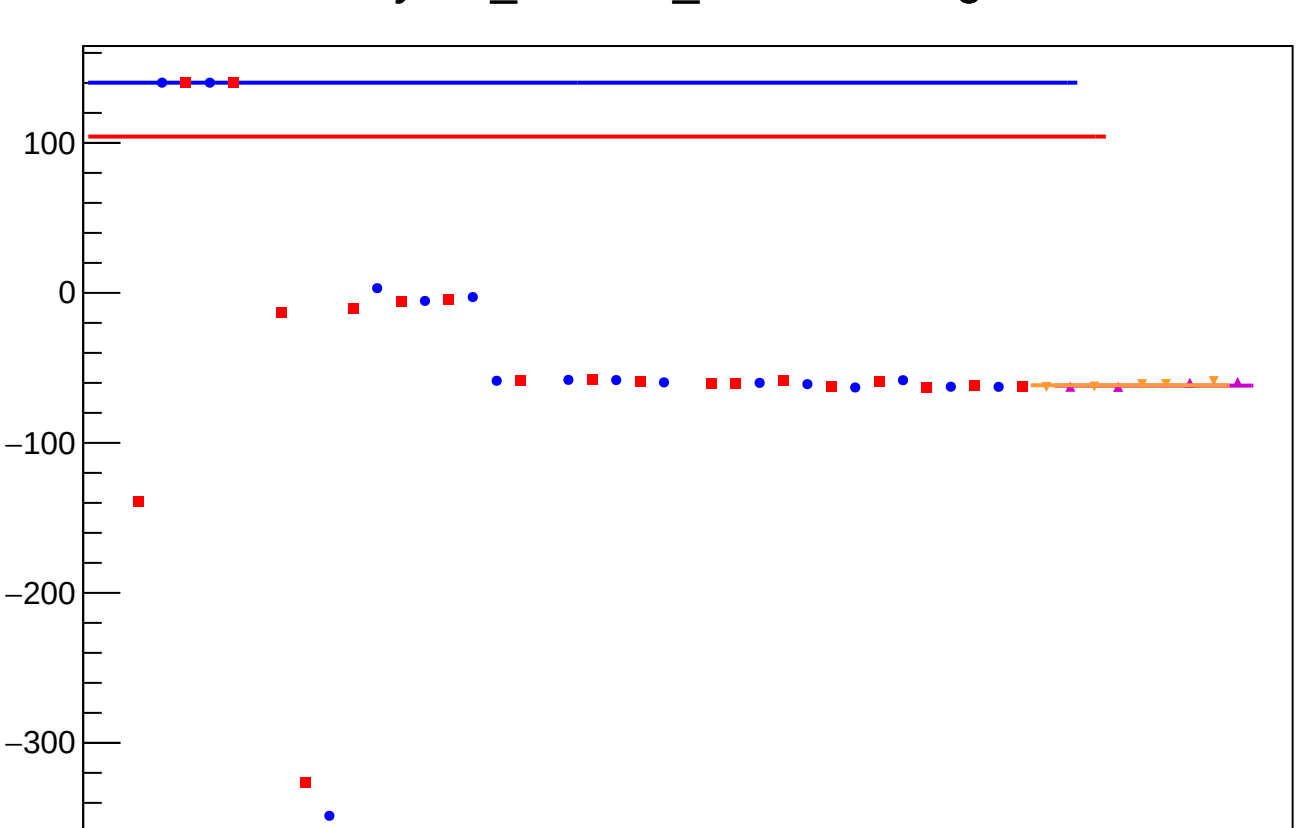
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.346+/-0.001 χ^2/NDF:554806.7/3

+ sign 0.003+/-0.000 χ^2/NDF: 14930582.4/20

All: 0.003+/-0.000 χ^2/NDF: 30263298.5/43

- sign 0.003+/-0.000 χ^2/NDF: 15332496.9/22



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -61.592+/-0.000 χ^2/NDF:13694915.0/4

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

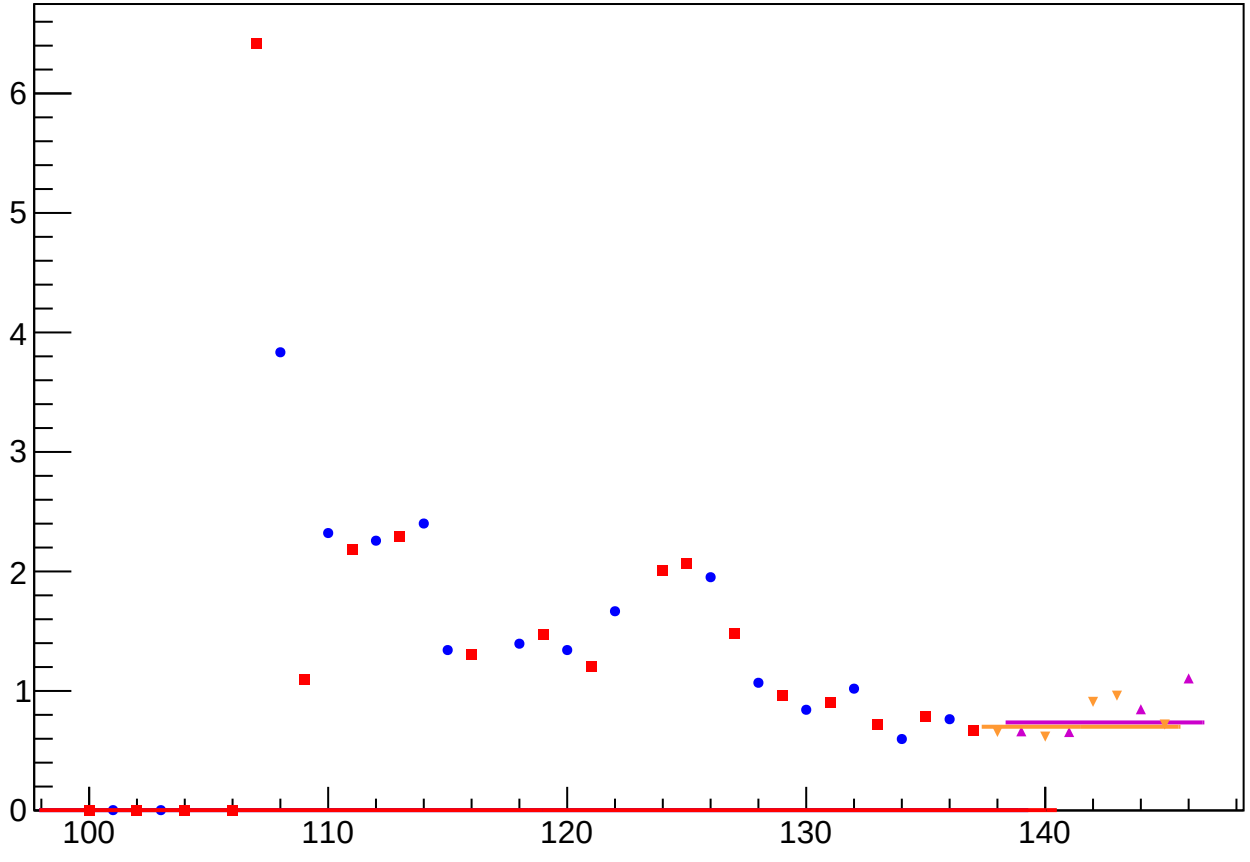
Left In: -61.815+/-0.000 χ^2/NDF:9115745.4/3

+ sign 140.137+/-0.000 χ^2/NDF: 428333466336.1/2

All: 120.826+/-0.000 χ^2/NDF: 13812663333

- sign 104.220+/-0.000 χ^2/NDF: 125754540142611

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.701+/-0.000 χ^2/NDF:146525.7/4

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

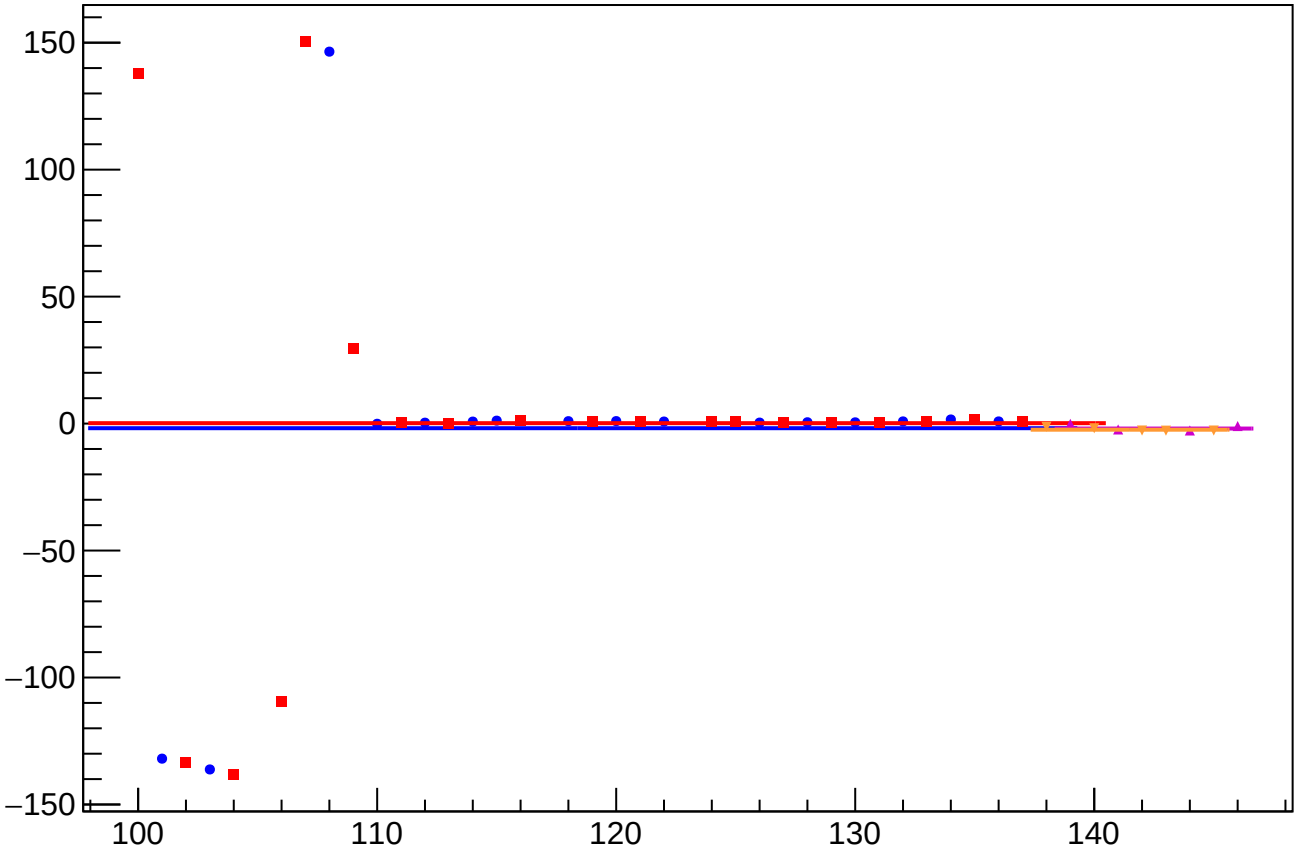
Left In: 0.736+/-0.000 χ^2/NDF:218109.0/3

+ sign 0.003+/-0.000 χ^2/NDF: 16489128.1/20

All: 0.003+/-0.000 χ^2/NDF: 32580622.5/43

- sign 0.003+/-0.000 χ^2/NDF: 16091223.6/22

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -2.405+/-0.000 χ^2/NDF:3060888.8/4

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

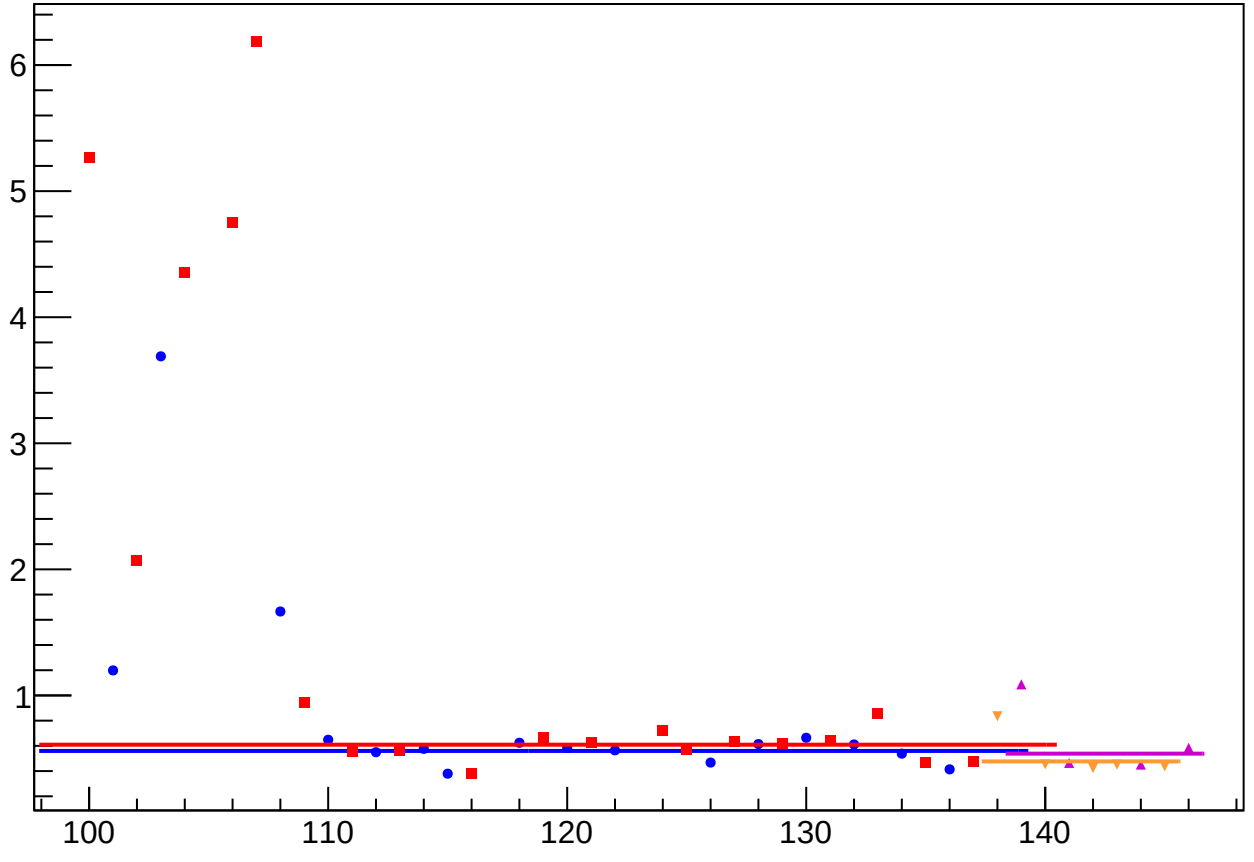
Left In: -1.954+/-0.000 χ^2/NDF:6737024.2/3

+ sign -2.058+/-0.000 χ^2/NDF: 9892512270.7/20

All: -1.439+/-0.000 χ^2/NDF: 13557741622.0/

- sign -0.680+/-0.000 χ^2/NDF: 3641933604.3/22

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.477+/-0.000 χ^2/NDF:270635.7/4

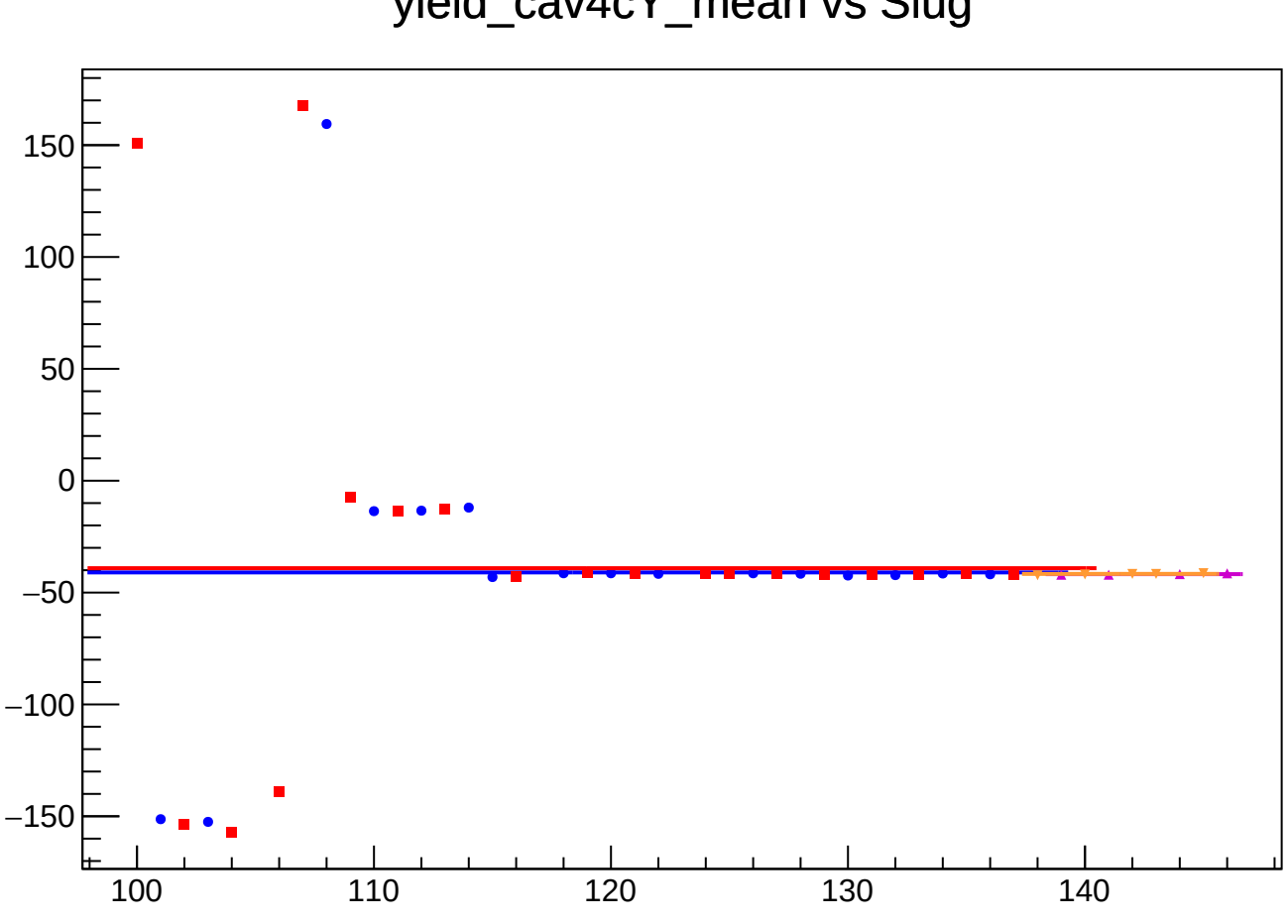
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.538+/-0.000 χ^2/NDF:516755.7/3

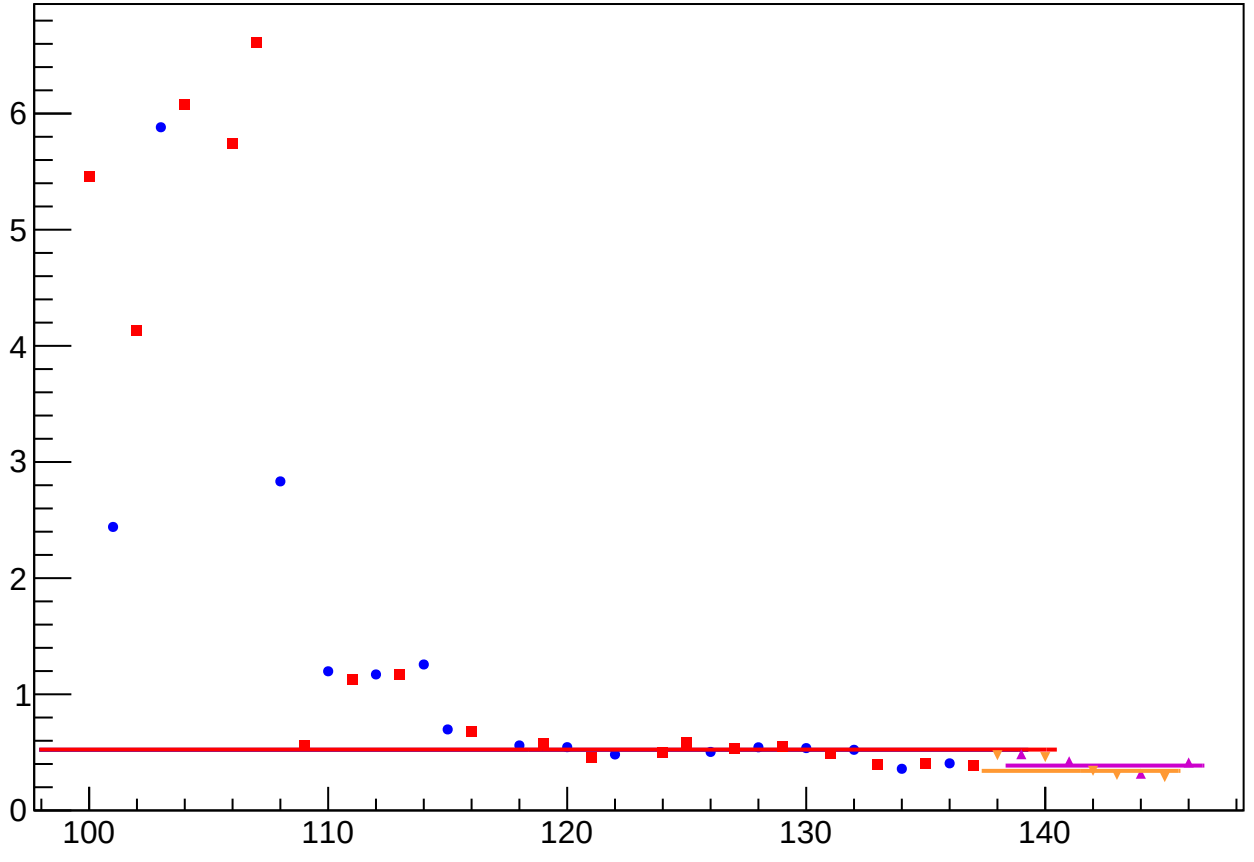
+ sign 0.526+/-0.000 χ^2/NDF: 1960457.8/20

All: 0.551+/-0.000 χ^2/NDF: 5081959.6/43

- sign 0.581+/-0.000 χ^2/NDF: 3046606.9/22


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
110
120
130
140
Right In: -40.987+/-0.000 χ²/NDF: 3449622021.8/15
Left Out: -41.649+/-0.000 χ²/NDF:2276475.0/4
Right Out: -39.101+/-0.000 χ²/NDF: 2480133442.0/18
Left In: -41.757+/-0.000 χ²/NDF:1143404.4/3
+ sign -41.386+/-0.000 χ²/NDF: 3456773622.5/20
All: -40.996+/-0.000 χ²/NDF: 6021456290.0/
- sign -40.529+/-0.000 χ²/NDF: 2549174641.2/22

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.341+/-0.000 χ^2/NDF:279727.1/4

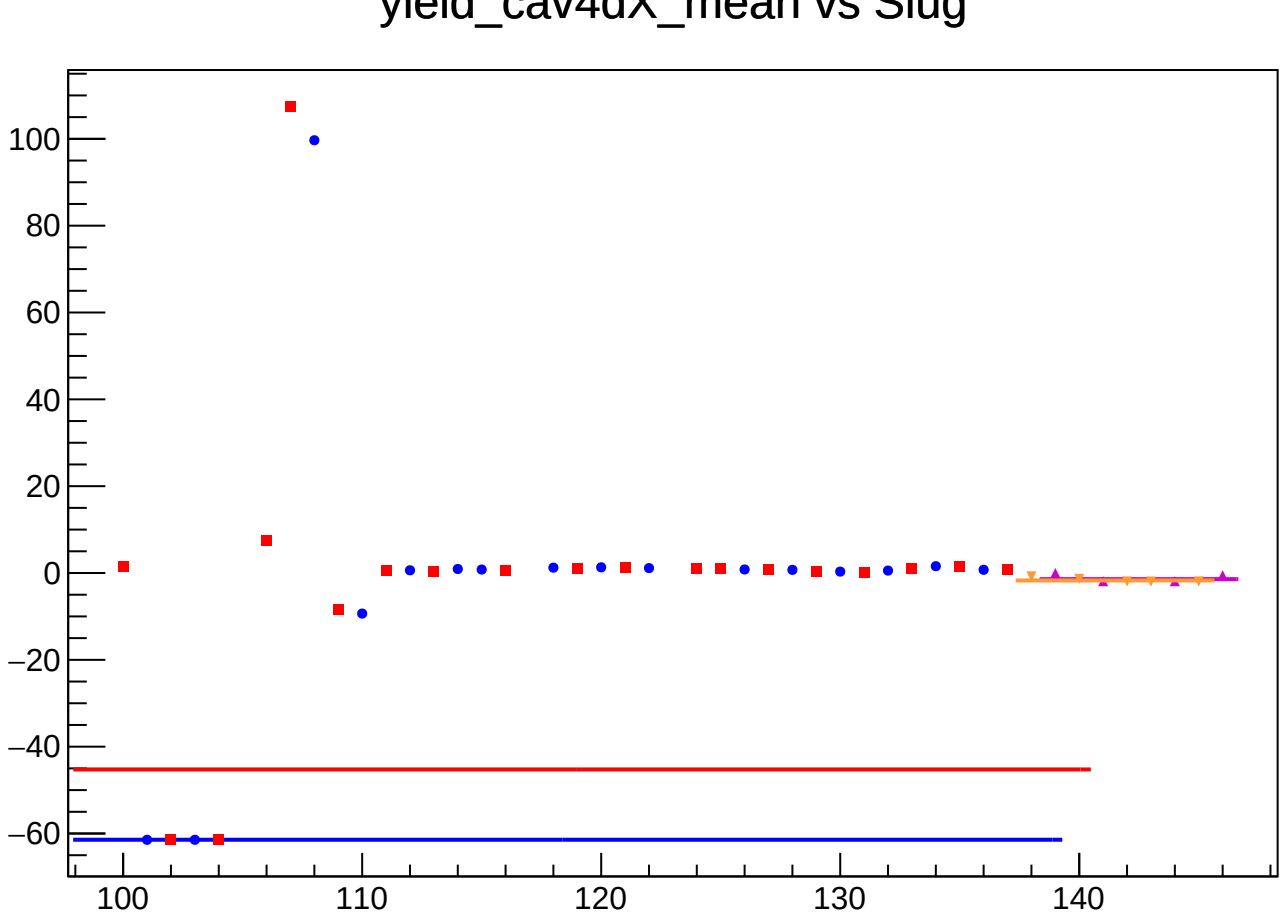
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.386+/-0.000 χ^2/NDF:164190.8/3

+ sign 0.413+/-0.000 χ^2/NDF: 3958480.1/20

All: 0.430+/-0.000 χ^2/NDF: 7809903.8/43

- sign 0.450+/-0.000 χ^2/NDF: 3793417.7/22



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.713+/-0.000 χ^2/NDF:2286563.1/4

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

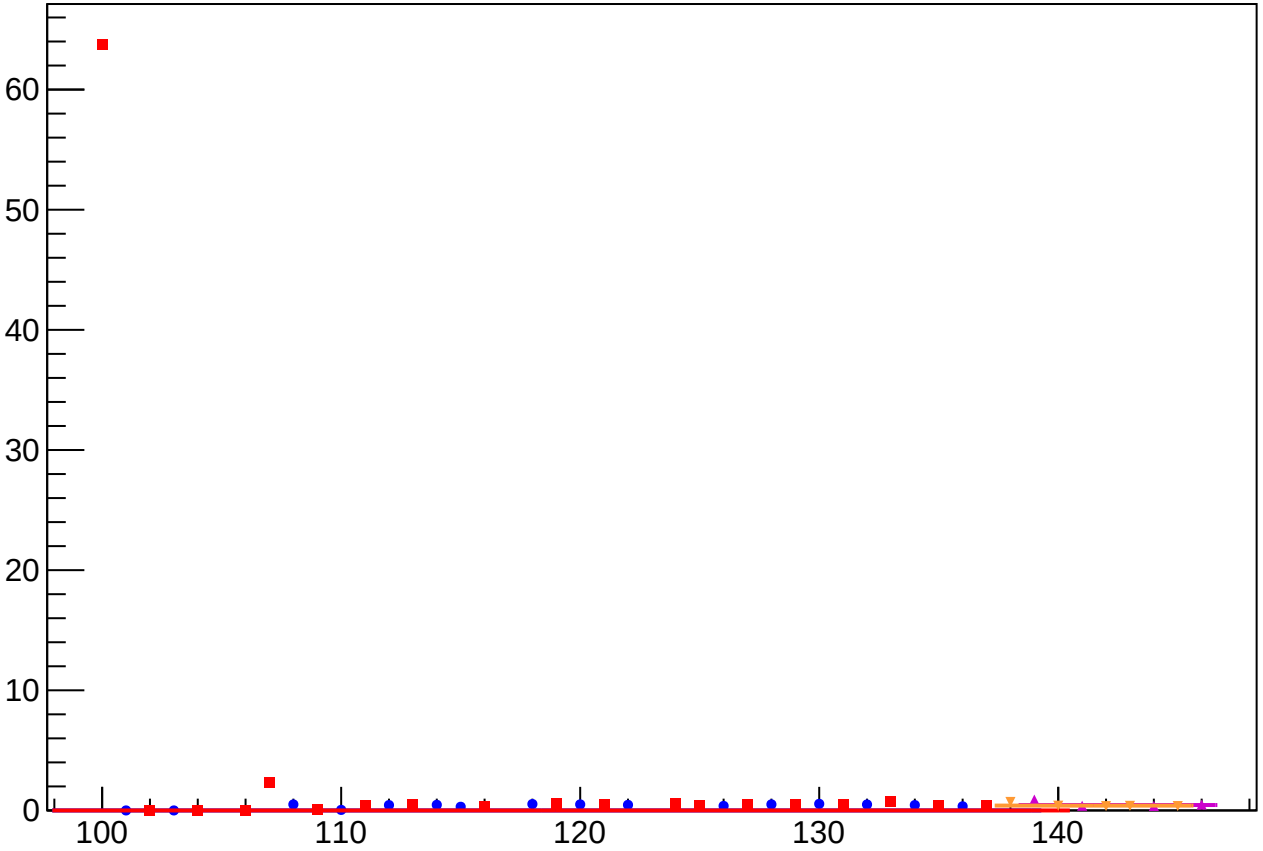
Left In: -1.411+/-0.000 χ^2/NDF:6281942.6/3

+ sign -61.433+/-0.000 χ^2/NDF: 329248334385.0/2

All: -52.747+/-0.000 χ^2/NDF: 409195906826

- sign -45.244+/-0.000 χ^2/NDF: 357894588404824.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.405+/-0.000 χ^2/NDF:275527.2/4

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

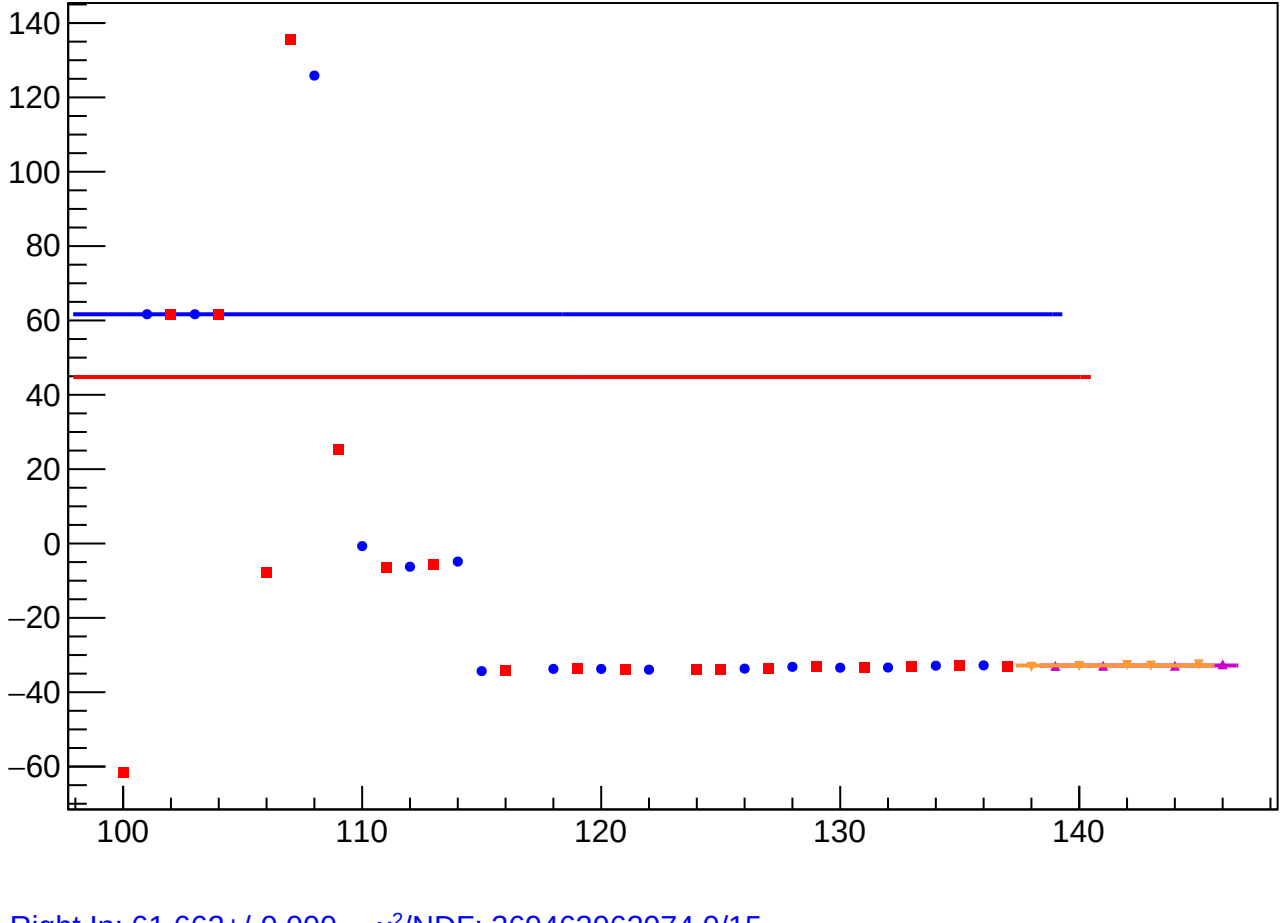
Left In: 0.452+/-0.000 χ^2/NDF:510714.6/3

+ sign 0.001+/-0.000 χ^2/NDF: 14525157.6/20

All: 0.001+/-0.000 χ^2/NDF: 29505716.9/43

- sign 0.001+/-0.000 χ^2/NDF: 14980544.2/22

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.813+/-0.000 χ^2/NDF:1962259.4/4

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

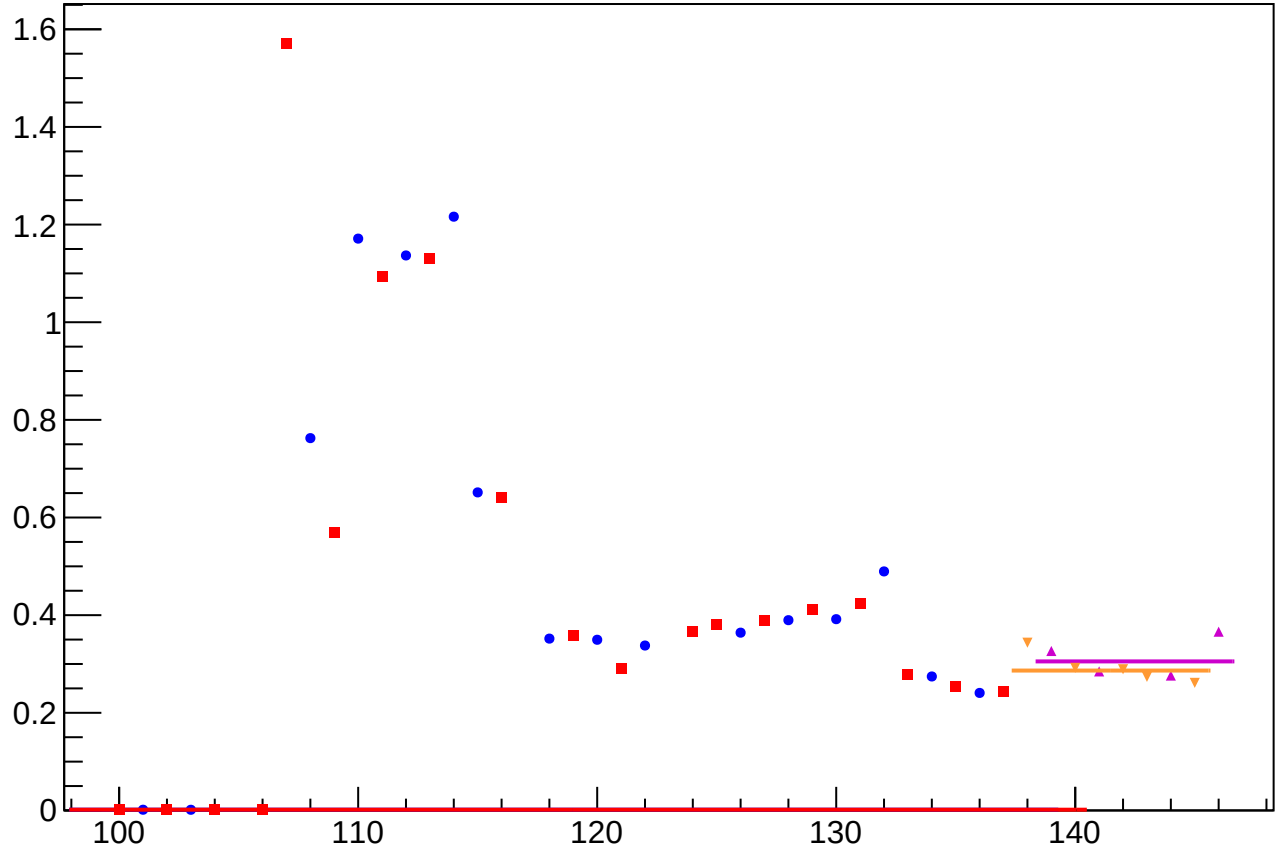
Left In: -32.811+/-0.000 χ^2/NDF:849371.1/3

+ sign 61.650+/-0.000 χ^2/NDF: 747857295996.0/20

All: 52.679+/-0.000 χ^2/NDF: 418137023025

- sign 44.778+/-0.000 χ^2/NDF: 366308121689556.8

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.287+/-0.000 χ^2/NDF:59505.1/4

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

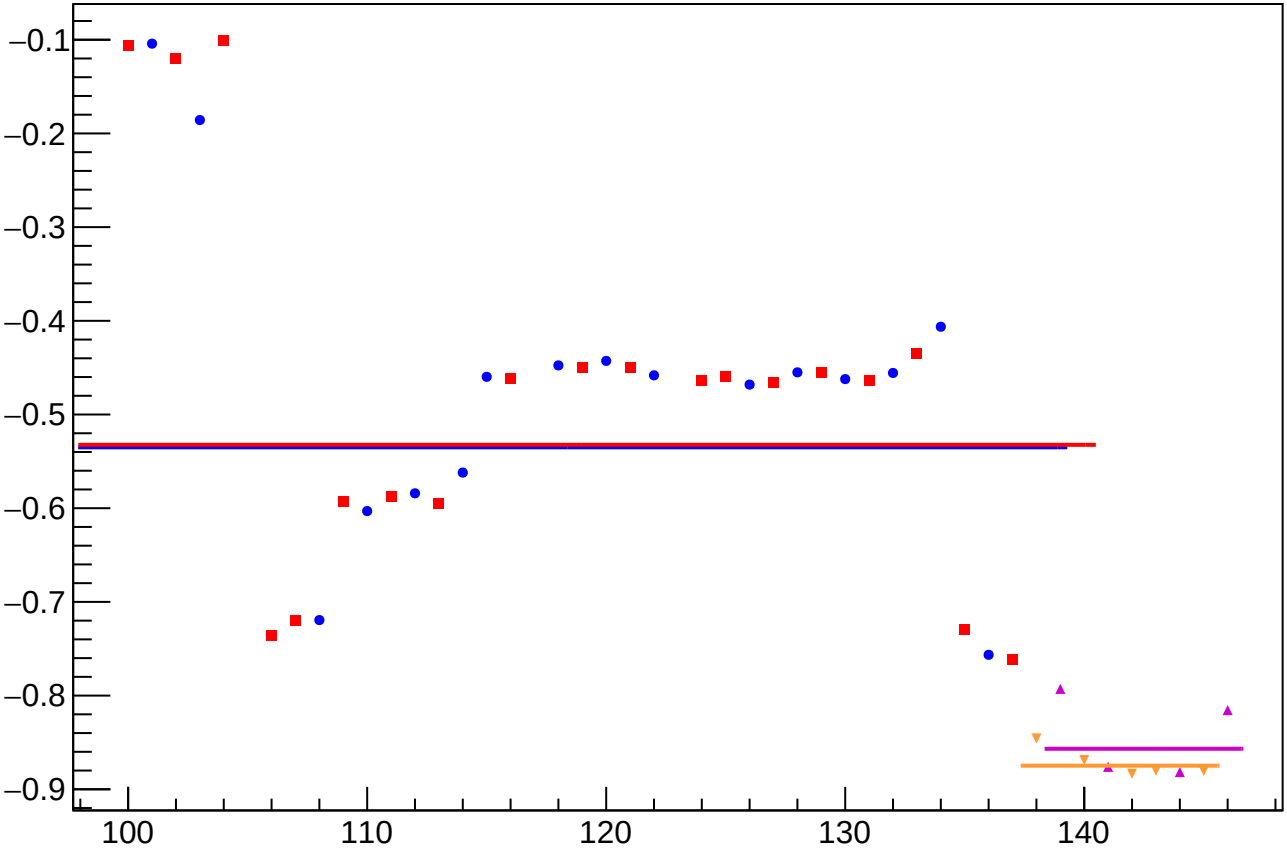
Left In: 0.305+/-0.000 χ^2/NDF:80329.4/3

+ sign 0.002+/-0.000 χ^2/NDF: 17972609.0/20

All: 0.002+/-0.000 χ^2/NDF: 35150064.9/43

- sign 0.002+/-0.000 χ^2/NDF: 17177411.1/22

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.875+/-0.000 χ^2/NDF:924595.9/4

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

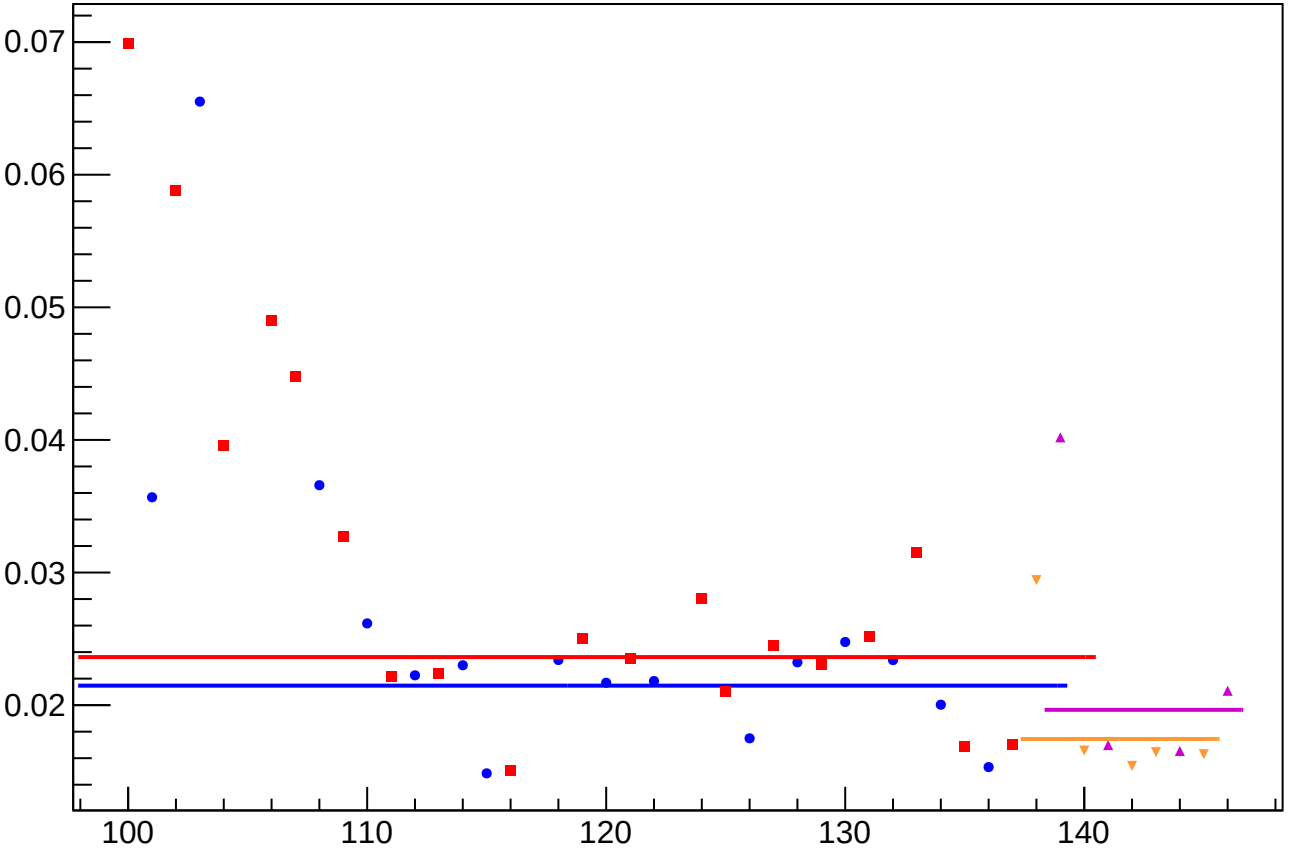
Left In: -0.857+/-0.000 χ^2/NDF:7150849.1/3

+ sign -0.677+/-0.000 χ^2/NDF: 861965609.1/20

All: -0.670+/-0.000 χ^2/NDF: 1505040800.5/4

- sign -0.662+/-0.000 χ^2/NDF: 641040334.7/22

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:237759.4/4

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

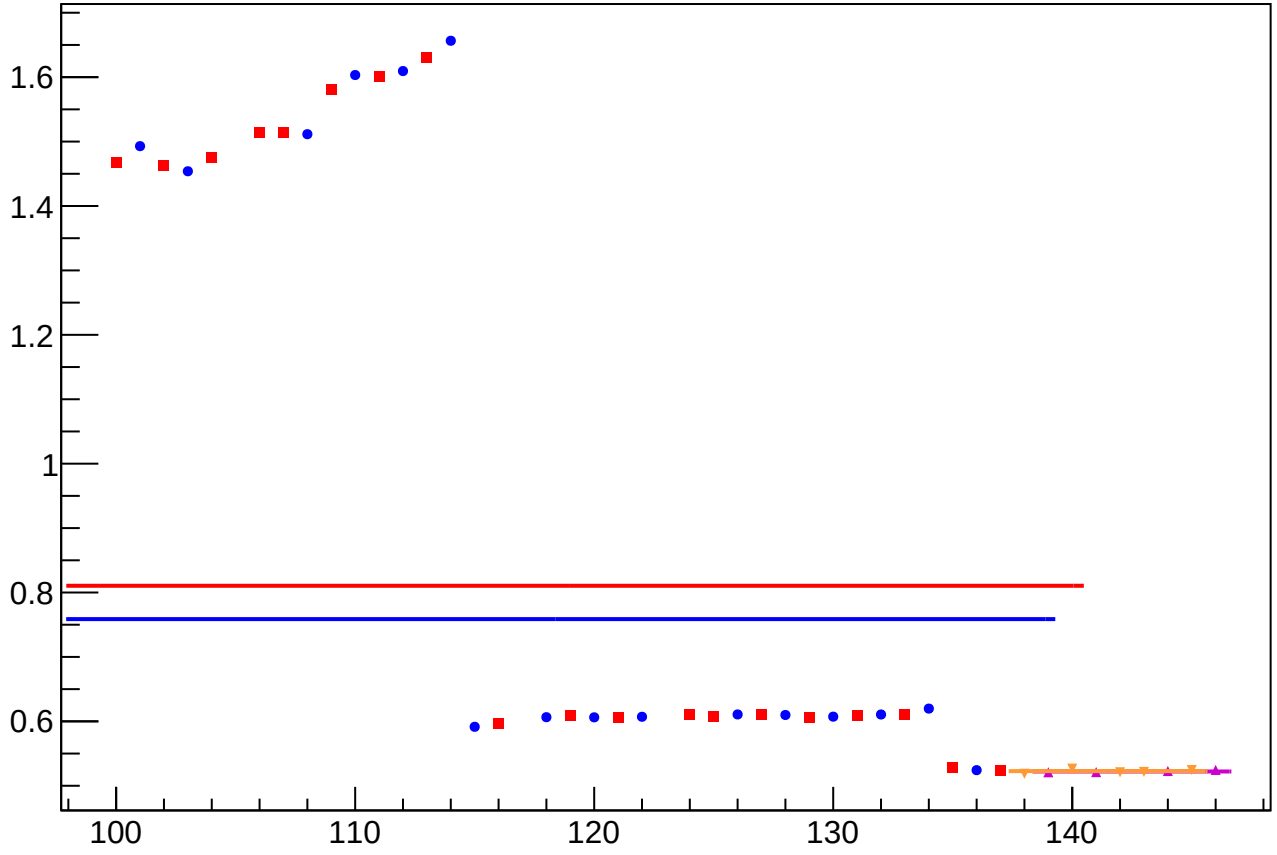
Left In: 0.020+/-0.000 χ^2/NDF:522324.7/3

+ sign 0.020+/-0.000 χ^2/NDF: 1548701.6/20

All: 0.021+/-0.000 χ^2/NDF: 3565894.9/43

- sign 0.022+/-0.000 χ^2/NDF: 1925800.7/22

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF:219790.1/4

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

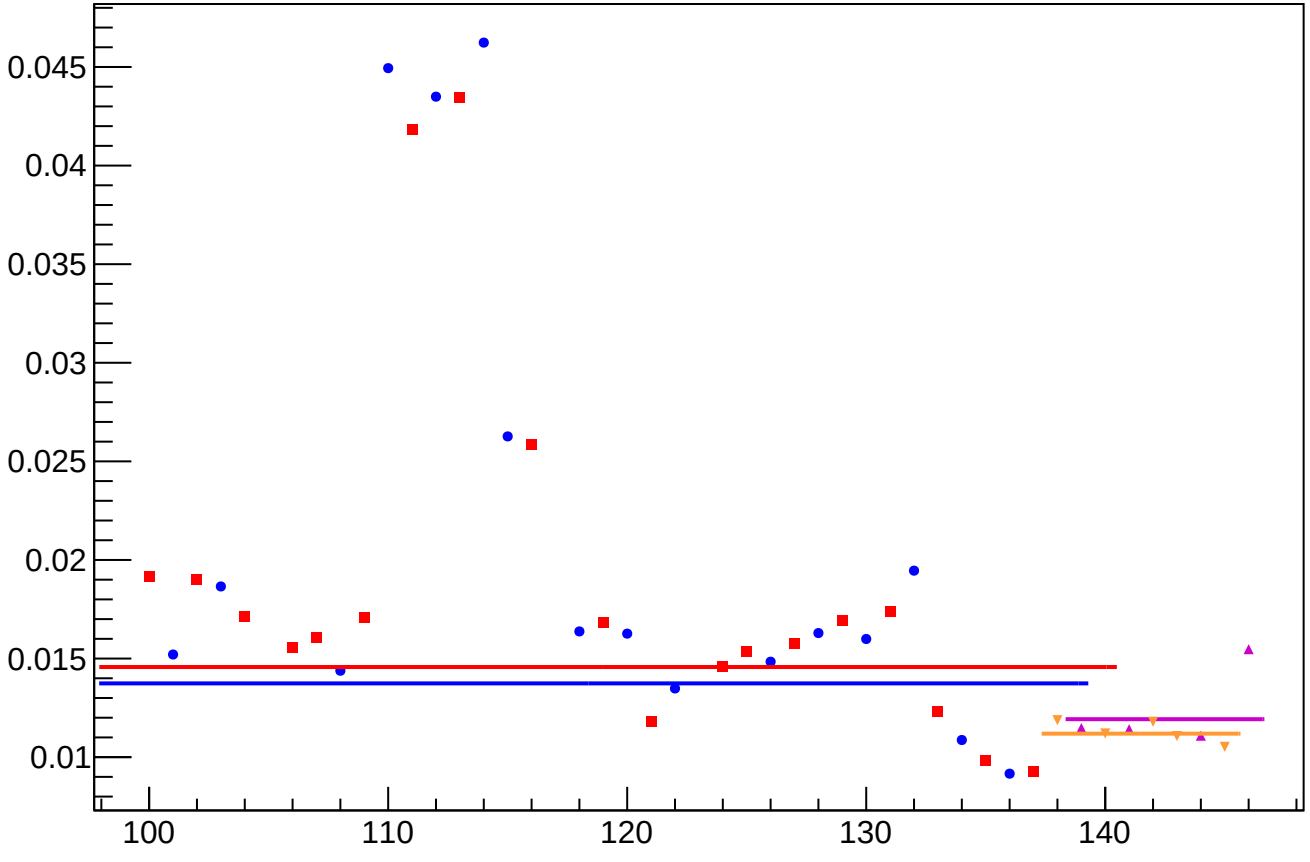
Left In: 0.522+/-0.000 χ^2/NDF:38393.1/3

+ sign 0.647+/-0.000 χ^2/NDF: 5134118261.5/20

All: 0.664+/-0.000 χ^2/NDF: 11017075074.0/4

- sign 0.683+/-0.000 χ^2/NDF: 5846511965.2/22

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:13713.0/4

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

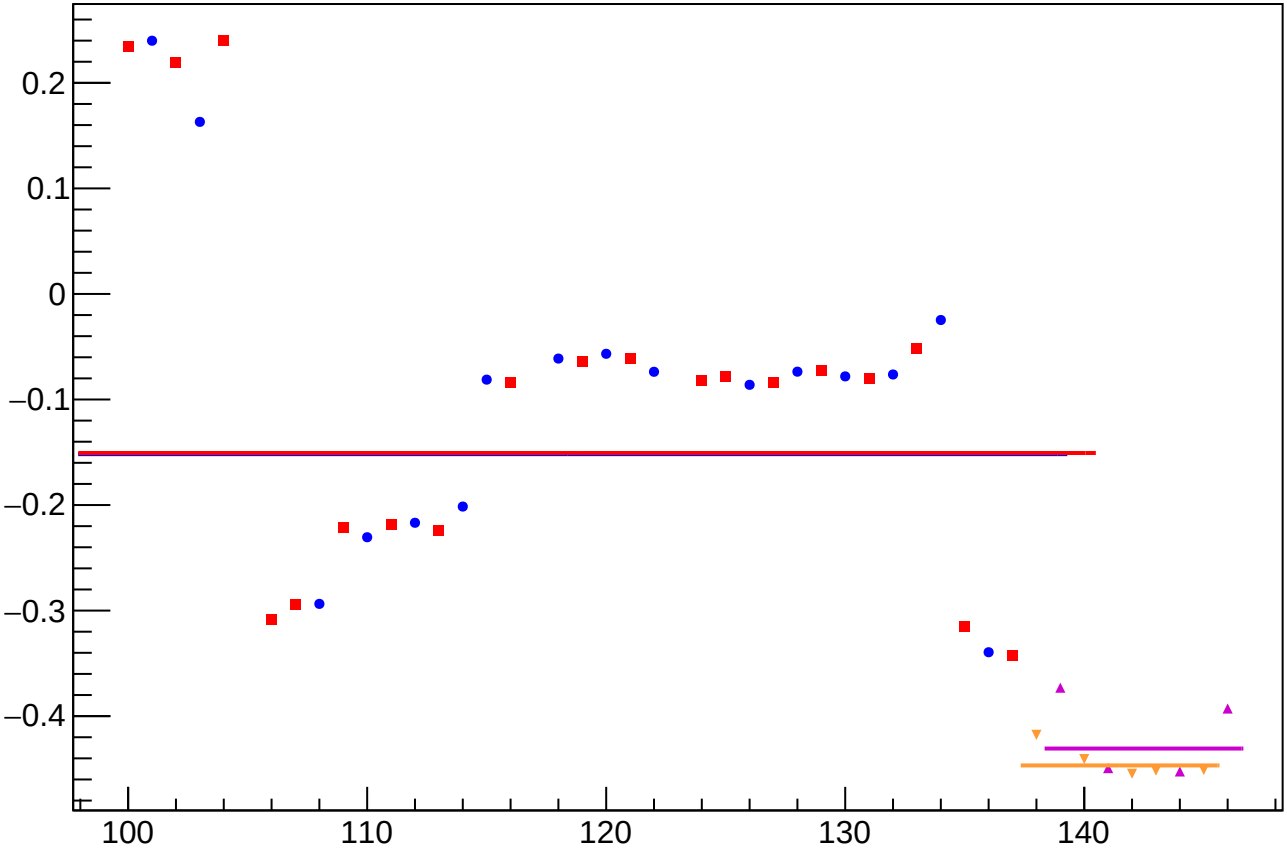
Left In: 0.012+/-0.000 χ^2/NDF:101087.5/3

+ sign 0.013+/-0.000 χ^2/NDF: 1857032.7/20

All: 0.013+/-0.000 χ^2/NDF: 3636775.6/43

- sign 0.013+/-0.000 χ^2/NDF: 1737587.4/22

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.447+/-0.000 χ^2/NDF:959444.2/4

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

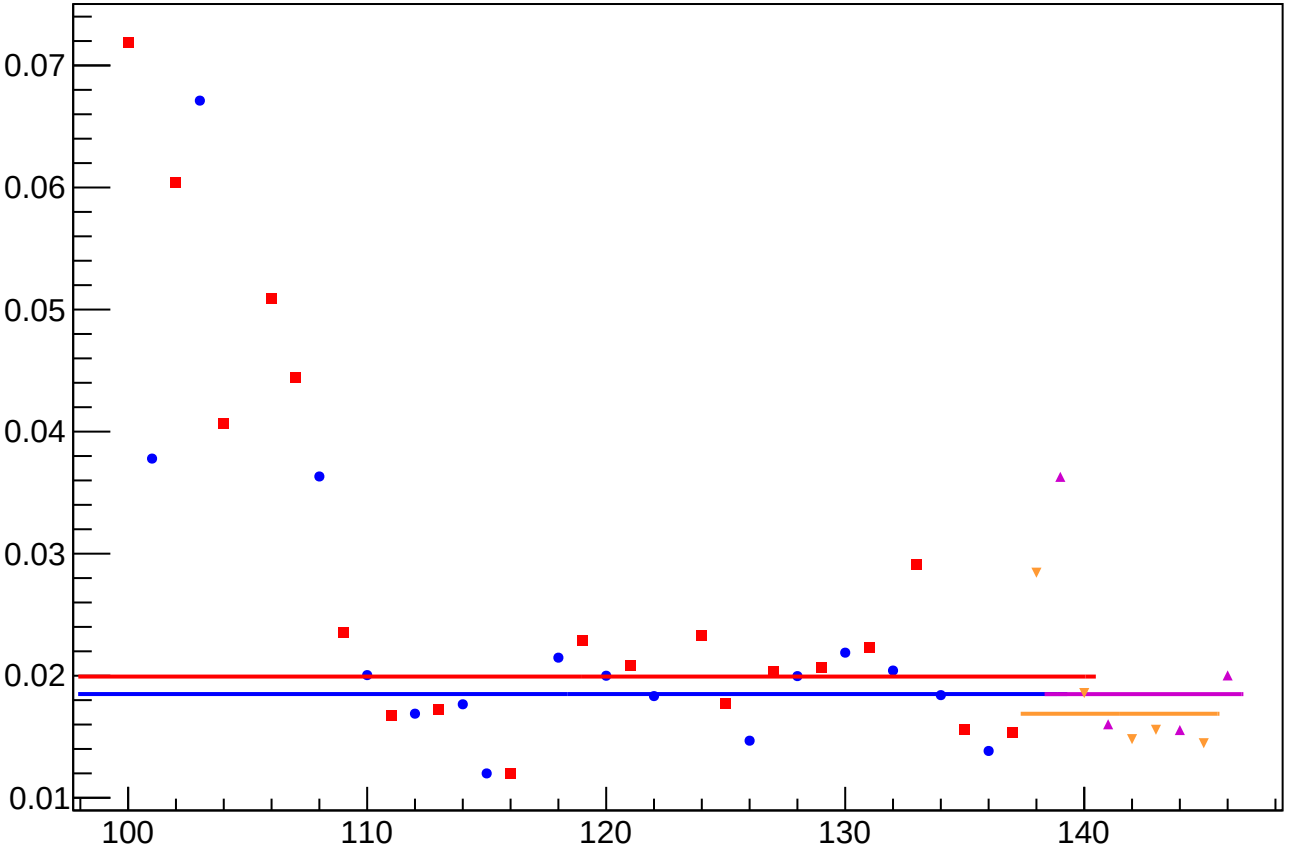
Left In: -0.431+/-0.000 χ^2/NDF:6837982.7/3

+ sign -0.262+/-0.000 χ^2/NDF: 777290344.7/20

All: -0.257+/-0.000 χ^2/NDF: 1368848056.5/4

- sign -0.251+/-0.000 χ^2/NDF: 590180465.9/22

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.017+/-0.000 χ^2/NDF:283396.4/4

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

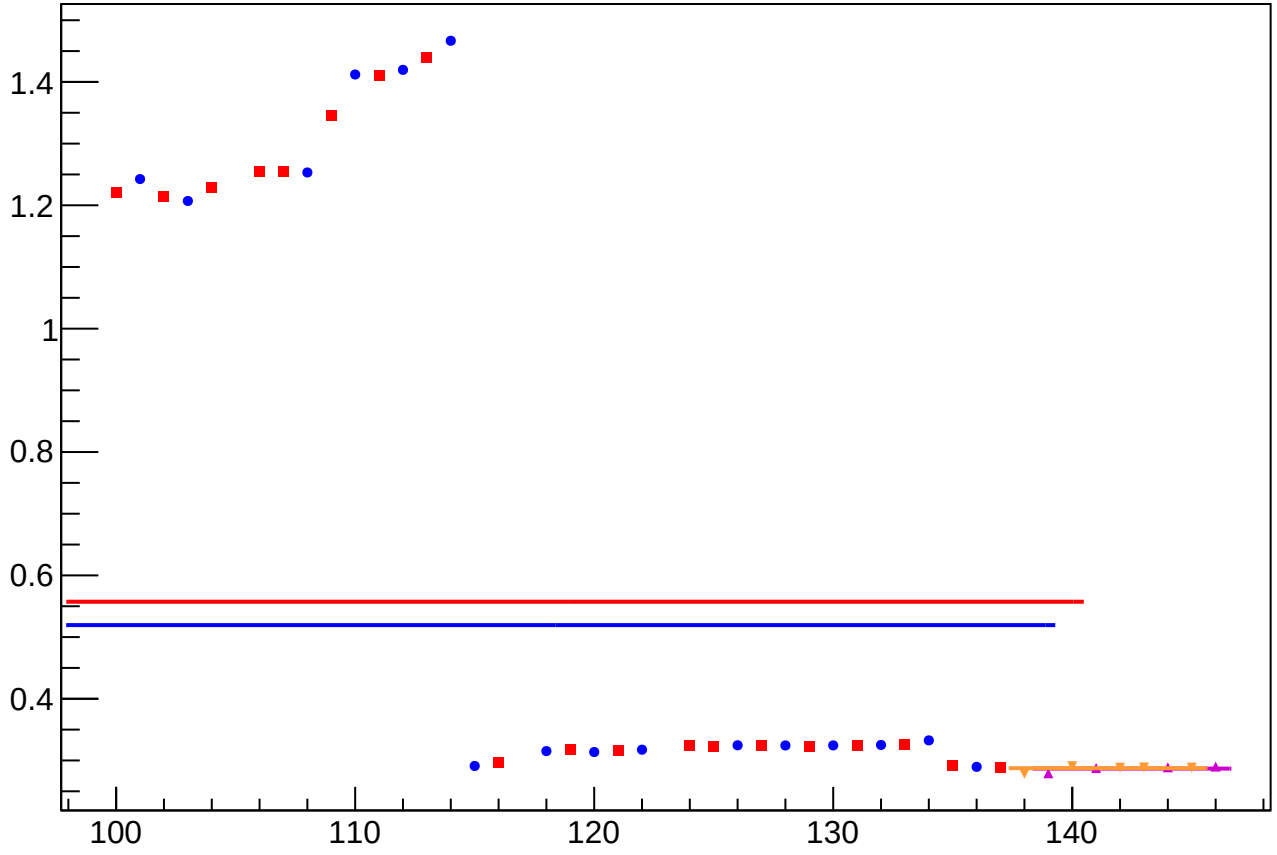
Left In: 0.018+/-0.000 χ^2/NDF:490110.7/3

+ sign 0.018+/-0.000 χ^2/NDF: 1685663.5/20

All: 0.019+/-0.000 χ^2/NDF: 3796392.3/43

- sign 0.019+/-0.000 χ^2/NDF: 2057944.3/22

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.287+/-0.000 χ^2/NDF:411775.6/4

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

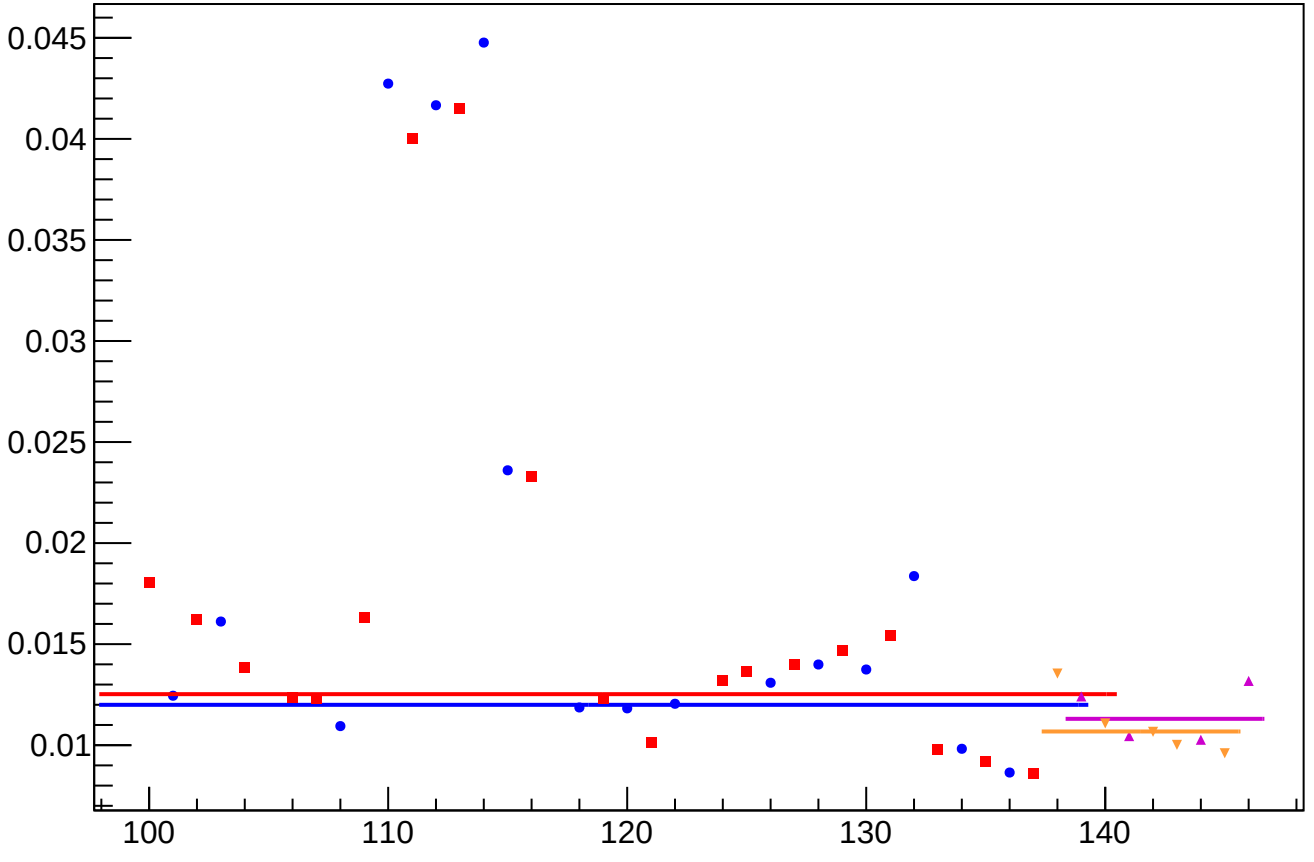
Left In: 0.287+/-0.000 χ^2/NDF:395856.7/3

+ sign 0.421+/-0.000 χ^2/NDF: 7262154299.4/20

All: 0.435+/-0.000 χ^2/NDF: 15172876987.8/4

- sign 0.450+/-0.000 χ^2/NDF: 7883308965.0/22

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:95209.9/4

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

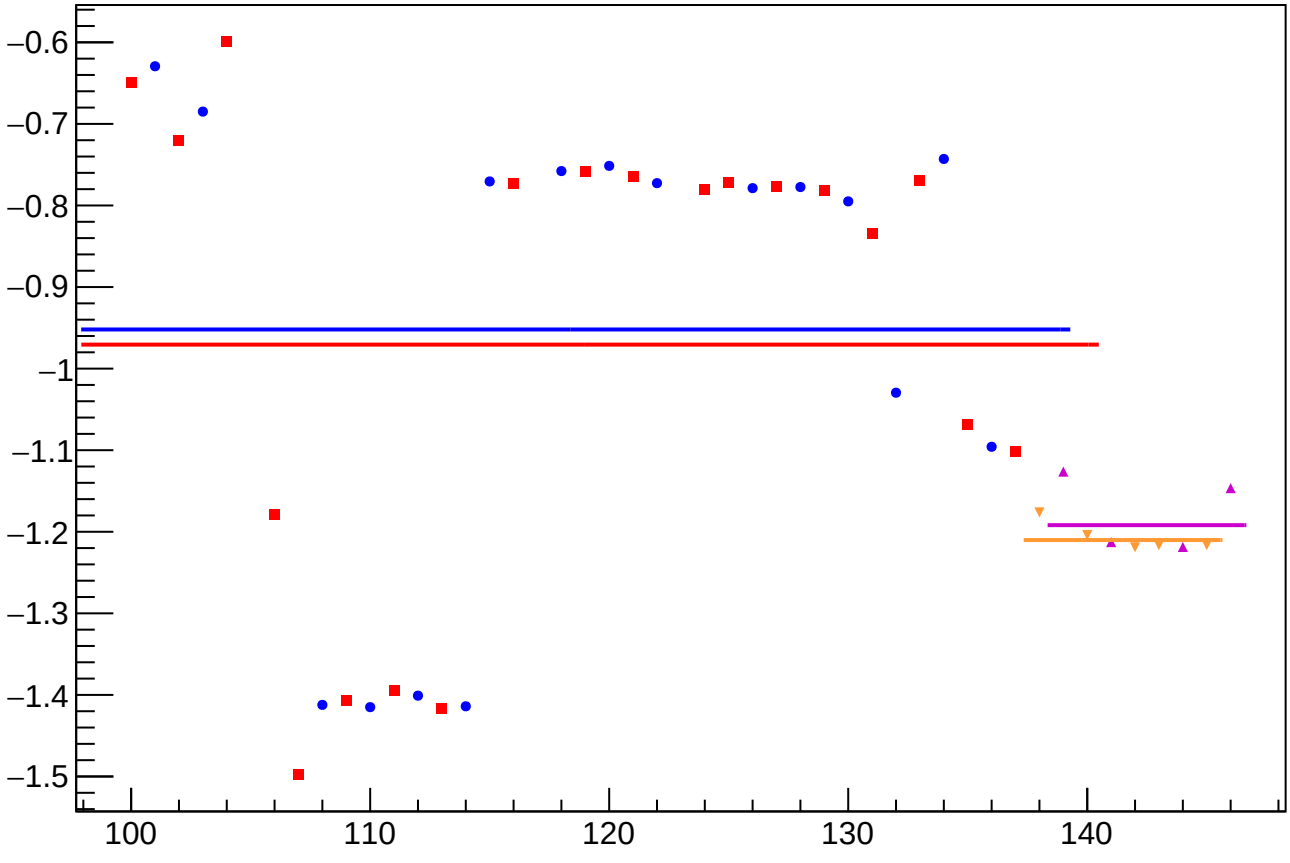
Left In: 0.011+/-0.000 χ^2/NDF:75148.1/3

+ sign 0.011+/-0.000 χ^2/NDF: 1647799.4/20

All: 0.012+/-0.000 χ^2/NDF: 3228016.2/43

- sign 0.012+/-0.000 χ^2/NDF: 1555663.0/22

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.210+/-0.000 χ^2/NDF:1263658.5/4

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

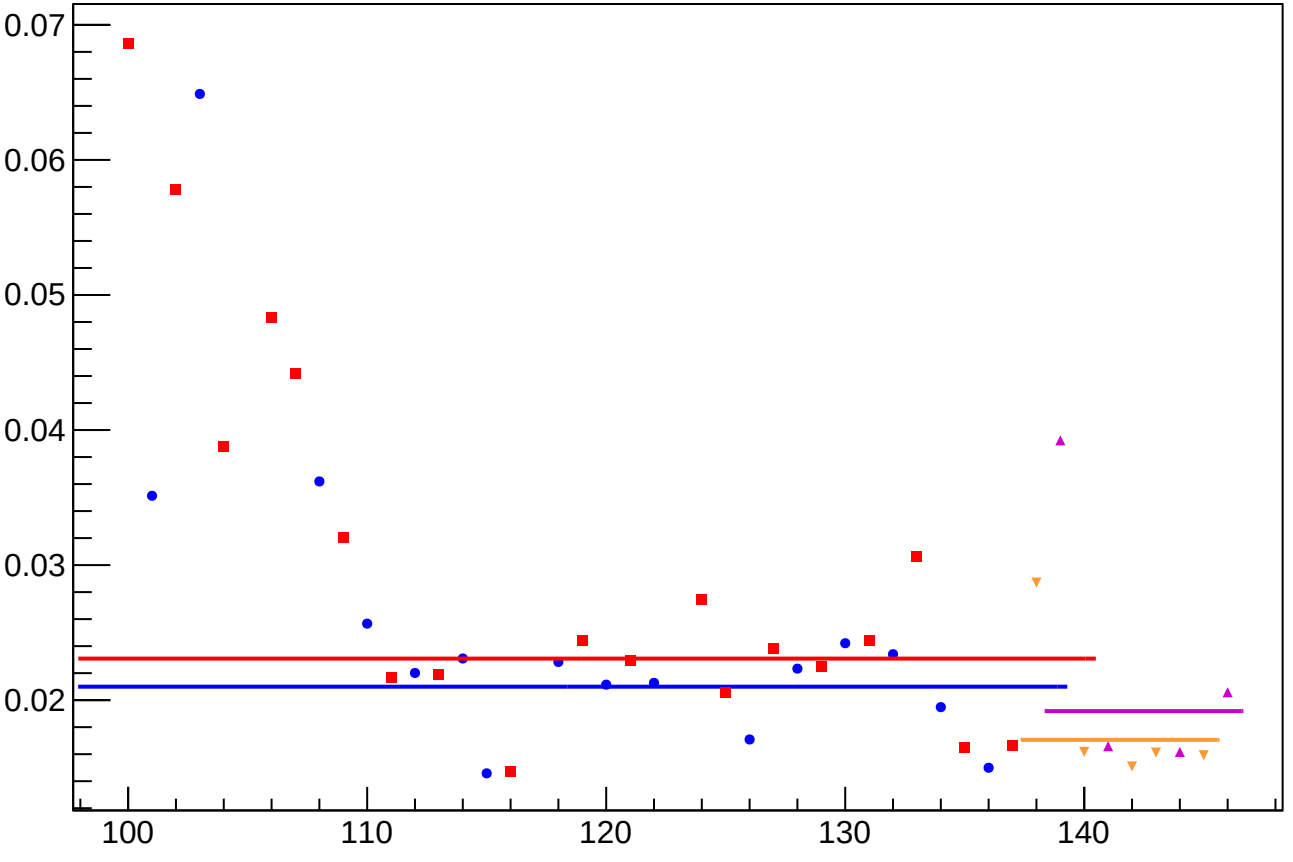
Left In: -1.192+/-0.000 χ^2/NDF:8606584.7/3

+ sign -1.060+/-0.000 χ^2/NDF: 1038945229.6/20

All: -1.060+/-0.000 χ^2/NDF: 1966626081.5/4

- sign -1.059+/-0.000 χ^2/NDF: 927674853.5/22

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.017+/-0.000 χ^2/NDF:236301.6/4

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

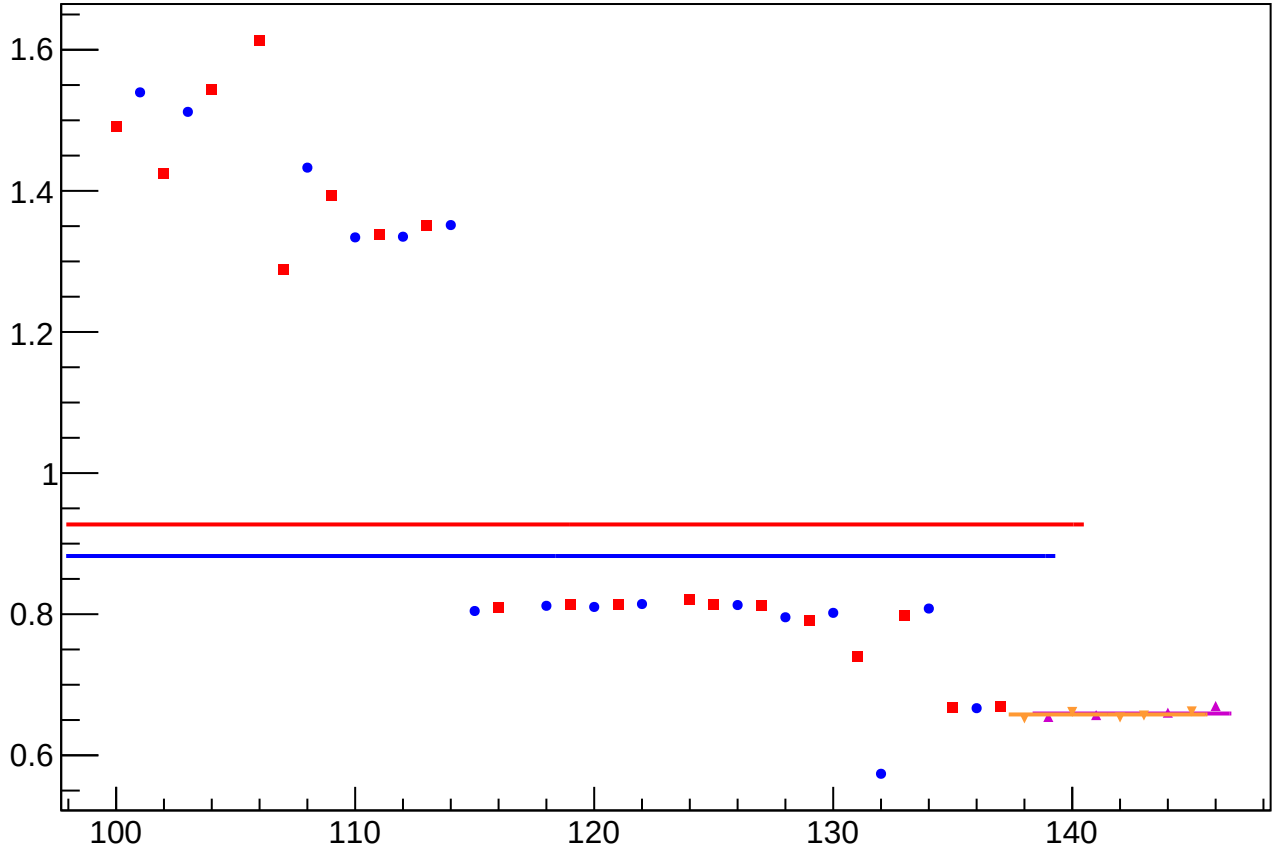
Left In: 0.019+/-0.000 χ^2/NDF:521572.5/3

+ sign 0.019+/-0.000 χ^2/NDF: 1560670.6/20

All: 0.020+/-0.000 χ^2/NDF: 3579253.3/43

- sign 0.022+/-0.000 χ^2/NDF: 1929227.0/22

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.658+/-0.000 χ^2/NDF:447683.0/4

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

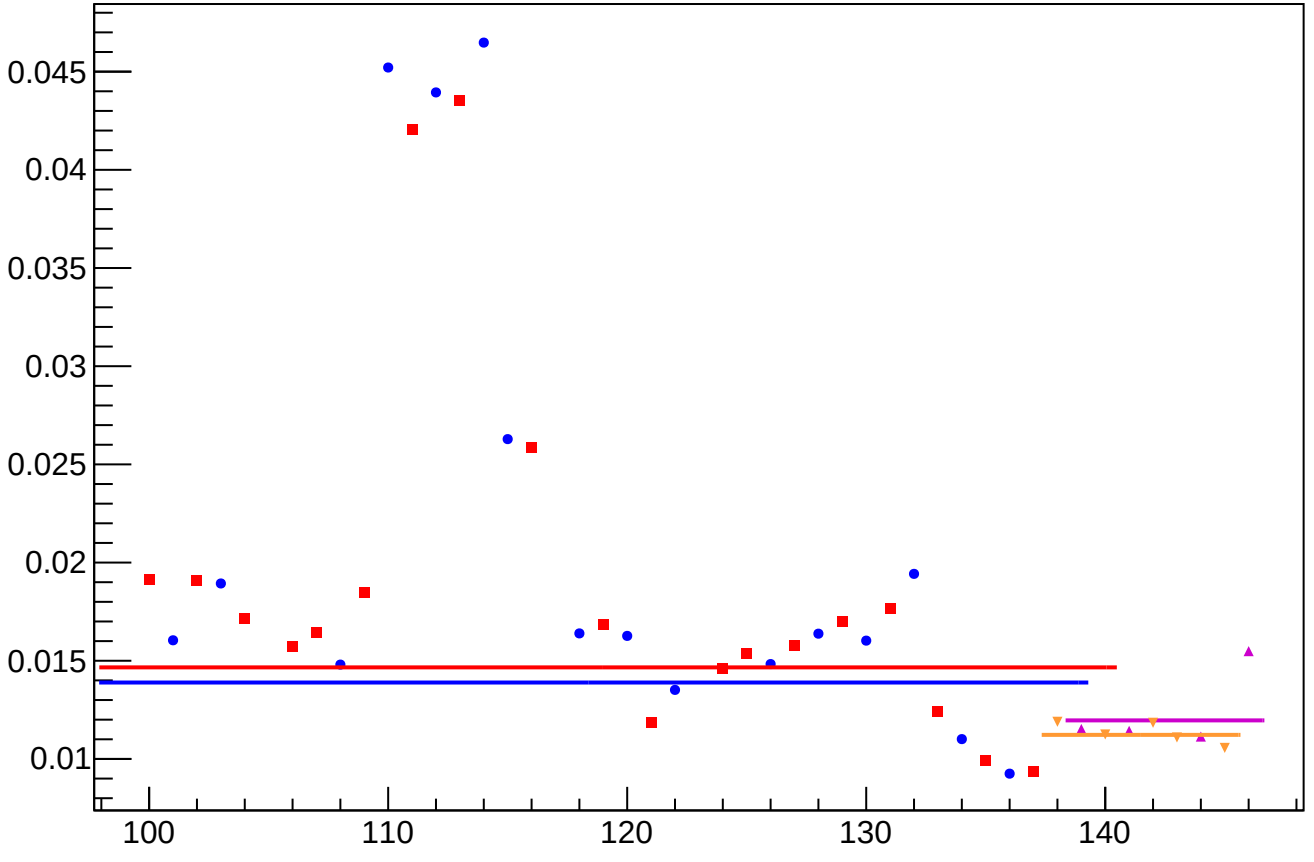
Left In: 0.659+/-0.000 χ^2/NDF:572940.6/3

+ sign 0.775+/-0.000 χ^2/NDF: 3524535141.1/20

All: 0.791+/-0.000 χ^2/NDF: 7238286868.1/43

- sign 0.808+/-0.000 χ^2/NDF: 3683681011.4/22

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:13442.4/4

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

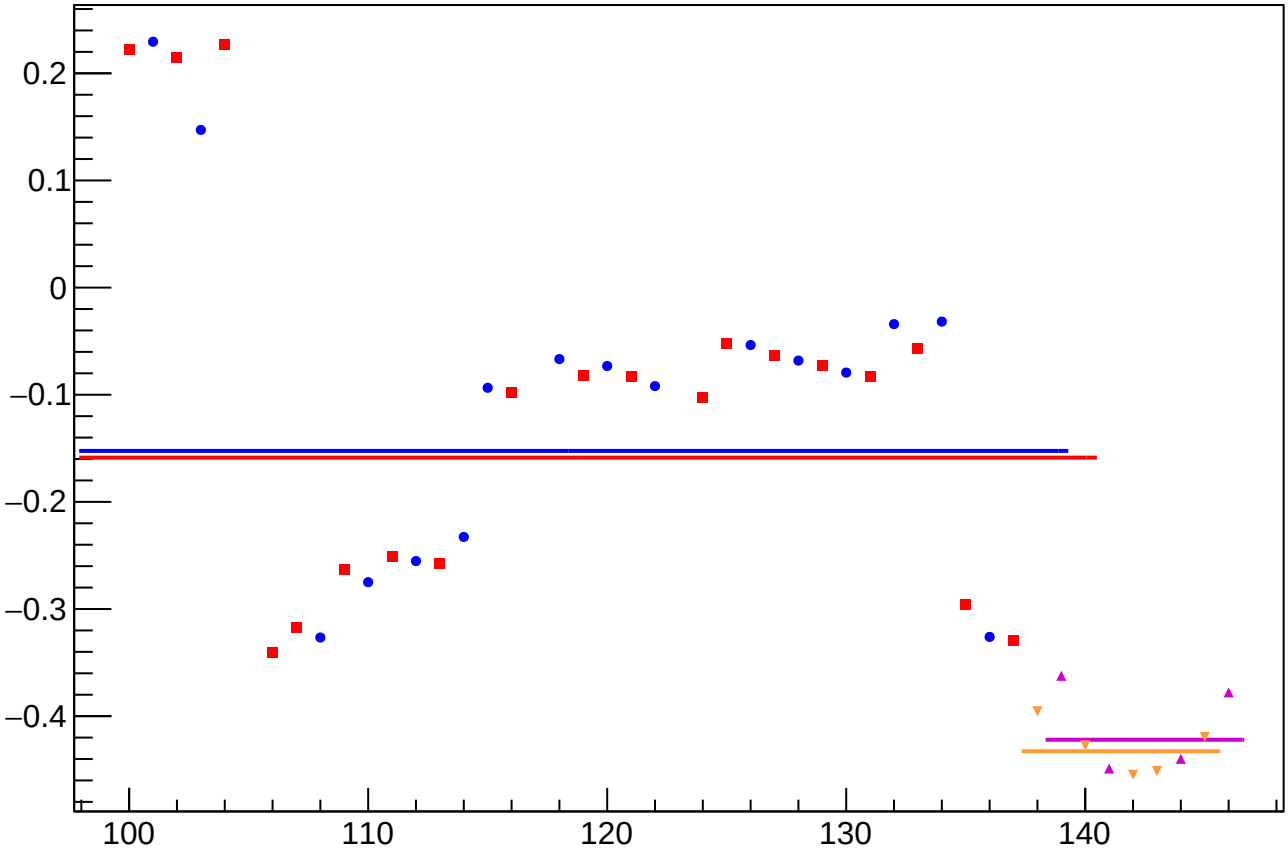
Left In: 0.012+/-0.000 χ^2/NDF:99510.0/3

+ sign 0.013+/-0.000 χ^2/NDF: 1868640.7/20

All: 0.013+/-0.000 χ^2/NDF: 3661398.2/43

- sign 0.013+/-0.000 χ^2/NDF: 1753305.8/22

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.433+/-0.000 χ^2/NDF:3143454.4/4

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

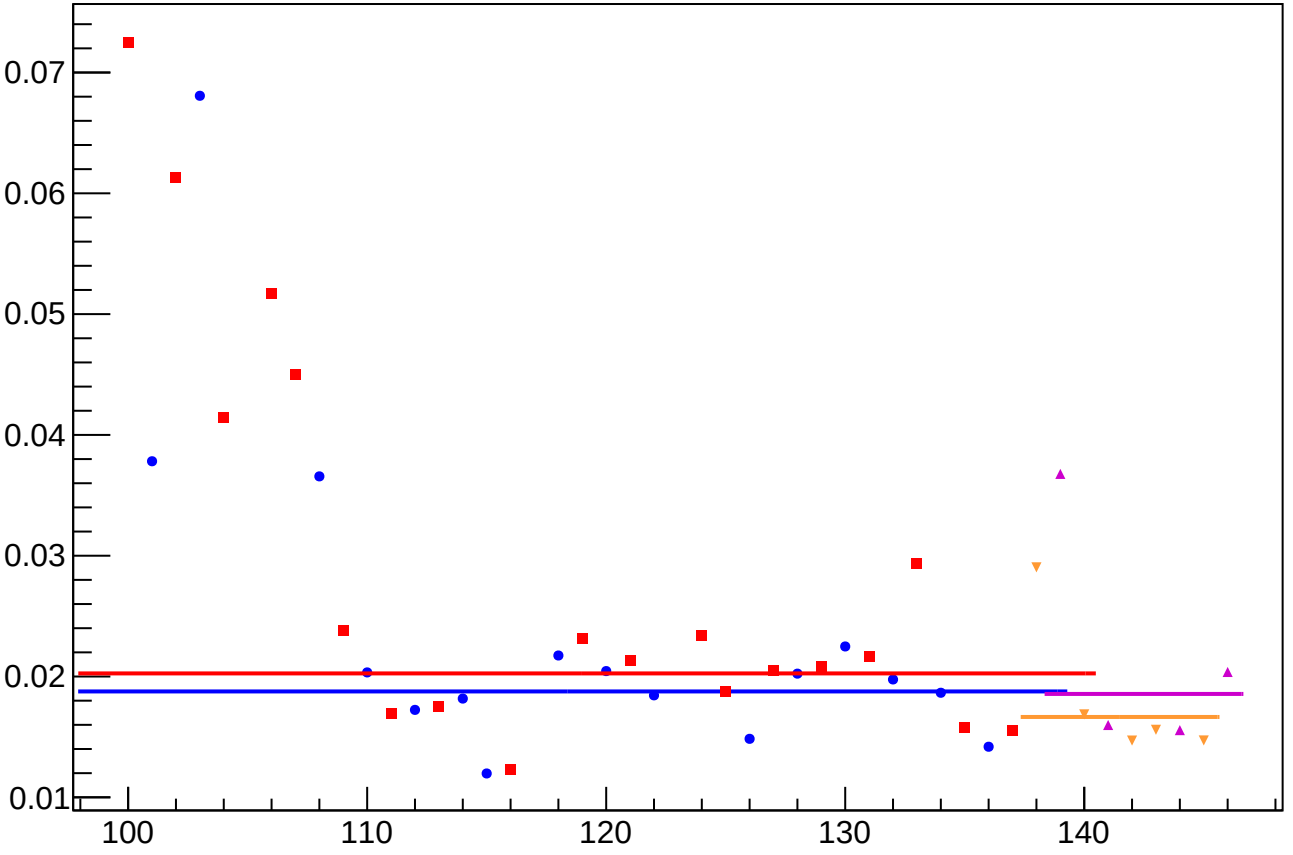
Left In: -0.422+/-0.000 χ^2/NDF:8222884.3/3

+ sign -0.260+/-0.000 χ^2/NDF: 728437085.2/20

All: -0.257+/-0.000 χ^2/NDF: 1265632457.0/4

- sign -0.254+/-0.000 χ^2/NDF: 536833863.0/22

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.017+/-0.000 χ^2/NDF:282511.6/4

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

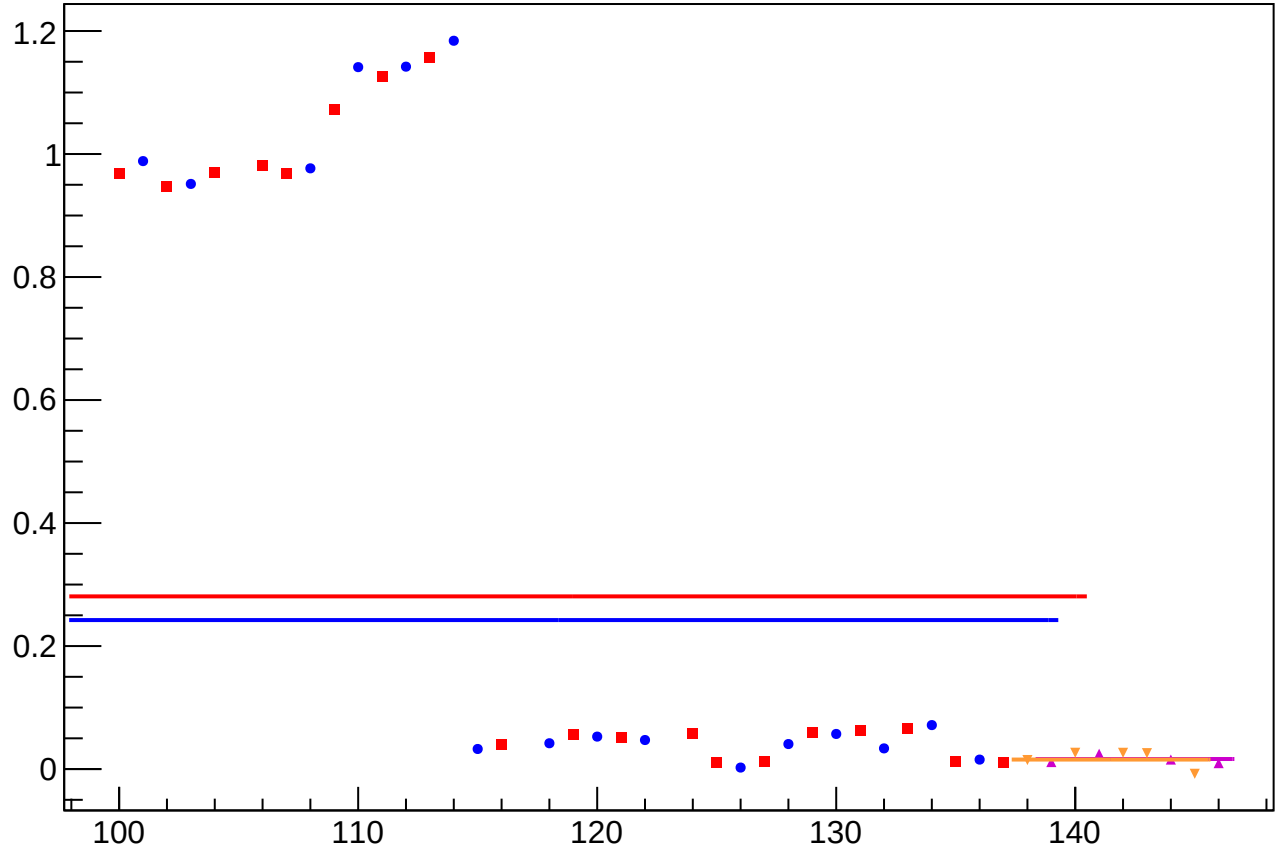
Left In: 0.019+/-0.000 χ^2/NDF:504643.0/3

+ sign 0.018+/-0.000 χ^2/NDF: 1683172.5/20

All: 0.019+/-0.000 χ^2/NDF: 3808854.7/43

- sign 0.020+/-0.000 χ^2/NDF: 2062001.9/22

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.015+/-0.000 χ^2/NDF:6772470.2/4

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

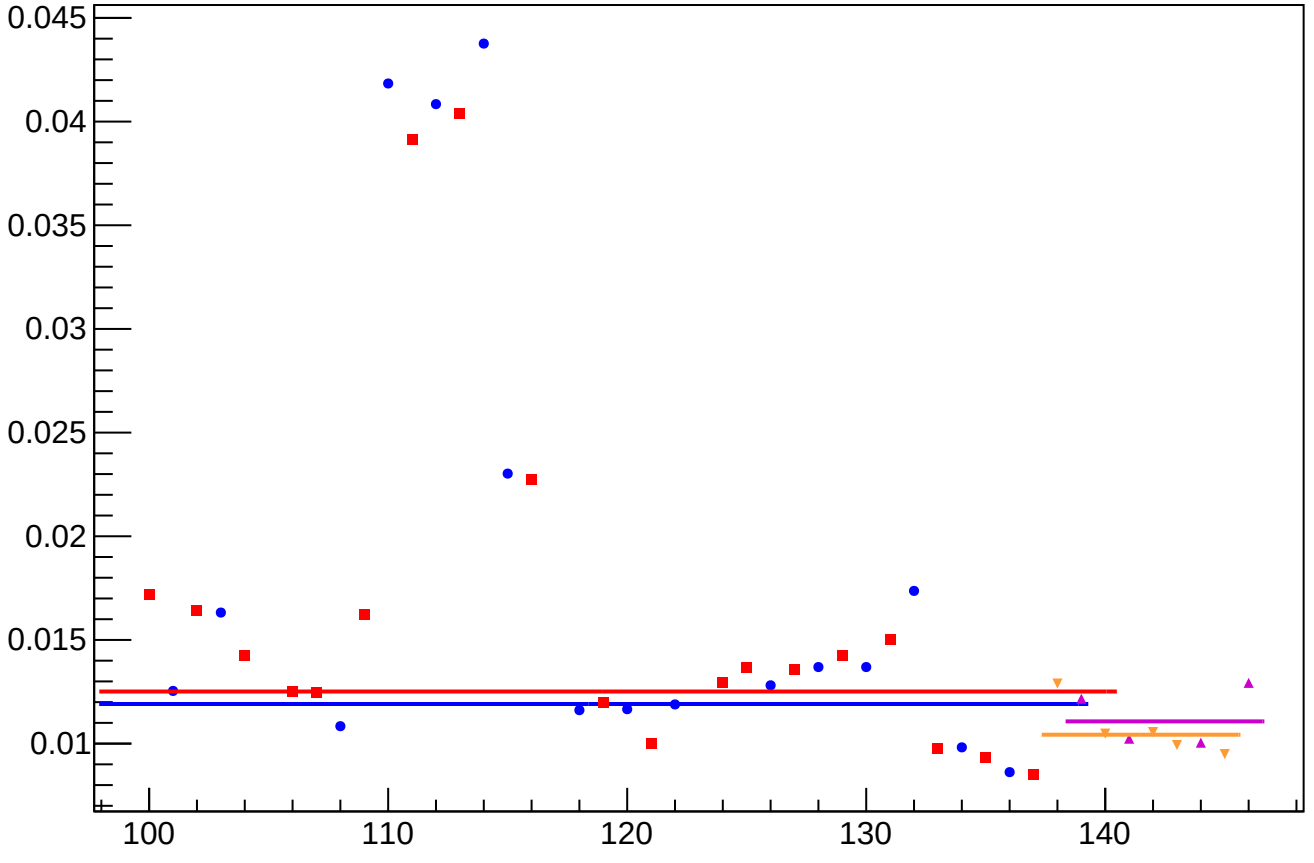
Left In: 0.016+/-0.000 χ^2/NDF:949012.6/3

+ sign 0.145+/-0.000 χ^2/NDF: 7446551471.5/20

All: 0.158+/-0.000 χ^2/NDF: 15348271691.3/4

- sign 0.173+/-0.000 χ^2/NDF: 7873303538.3/22

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:73458.9/4

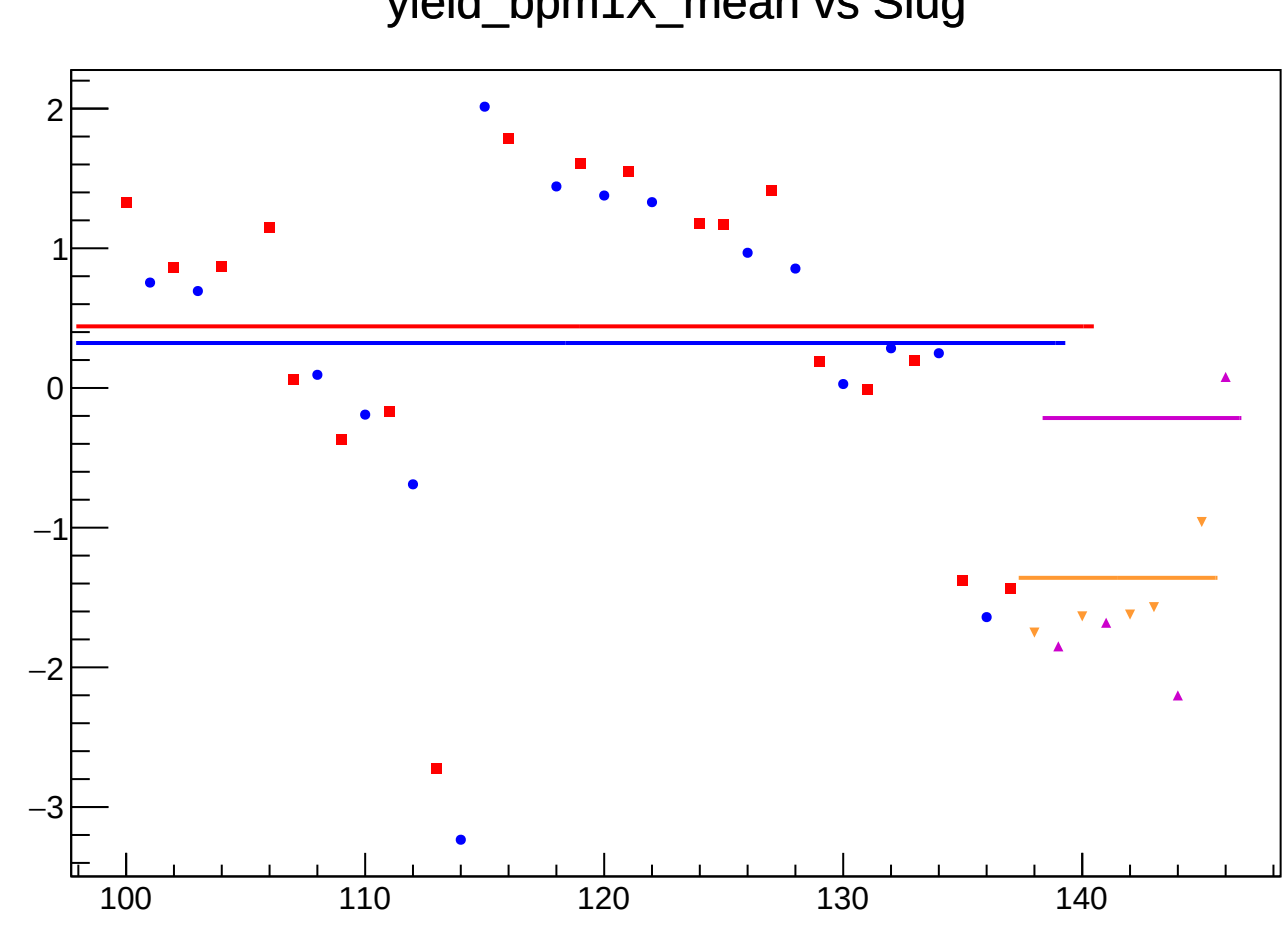
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:76418.8/3

+ sign 0.011+/-0.000 χ^2/NDF: 1612403.4/20

All: 0.012+/-0.000 χ^2/NDF: 3177272.1/43

- sign 0.012+/-0.000 χ^2/NDF: 1535054.8/22



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -1.359+/-0.000 χ^2/NDF:60988976.8/4

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

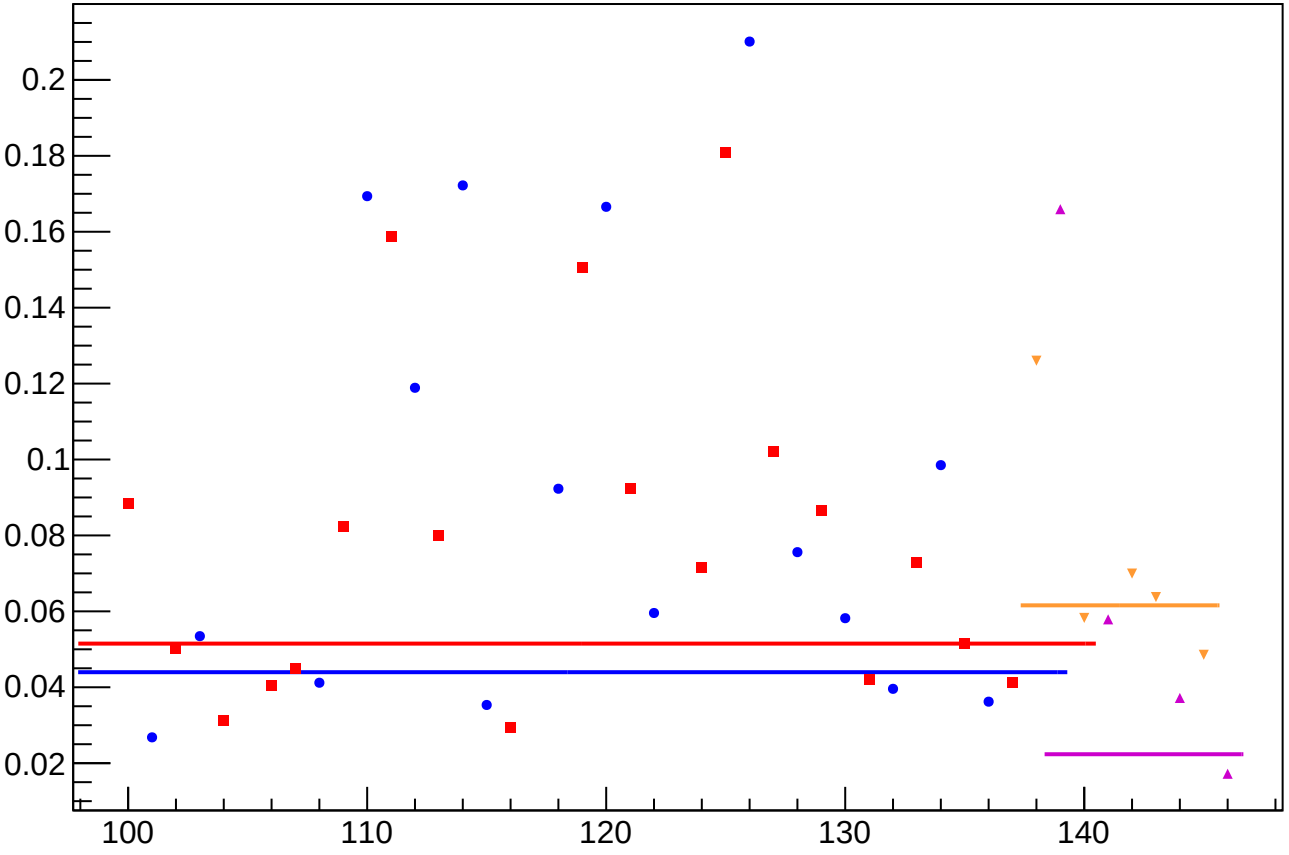
Left In: -0.215+/-0.000 χ^2/NDF:1492983056.1/3

+ sign -0.050+/-0.000 χ^2/NDF: 2966116475.0/20

All: -0.000+/-0.000 χ^2/NDF: 6712012116.9/4

- sign 0.028+/-0.000 χ^2/NDF: 3736118447.4/22

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.062+/-0.000 χ^2/NDF:430282.1/4

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

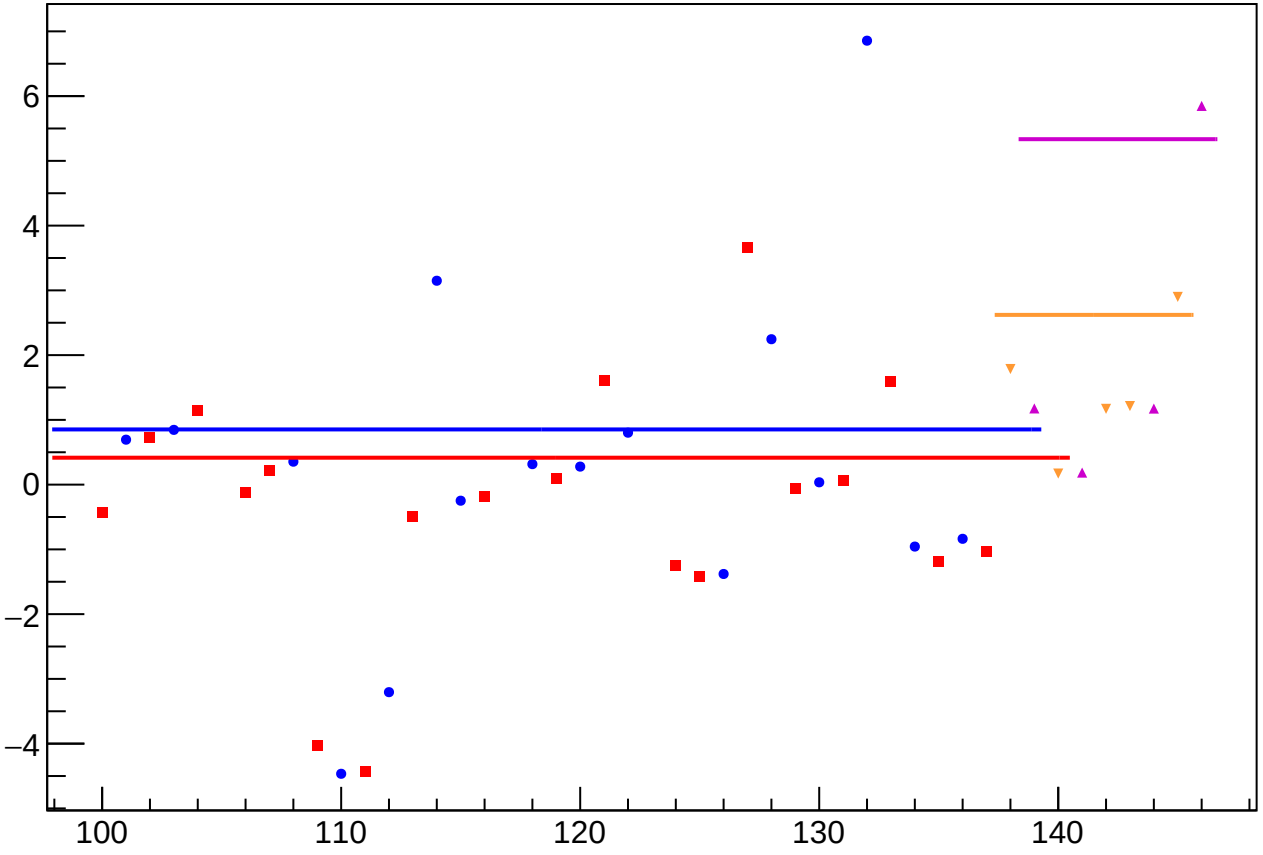
Left In: 0.022+/-0.000 χ^2/NDF:1754106.4/3

+ sign 0.048+/-0.000 χ^2/NDF: 3489992.8/20

All: 0.039+/-0.000 χ^2/NDF: 10073168.7/43

- sign 0.033+/-0.000 χ^2/NDF: 5882066.2/22

yield_bpm1Y_mean vs Slug



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 2.621+/-0.000 χ^2/NDF:2050143593.7/4

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

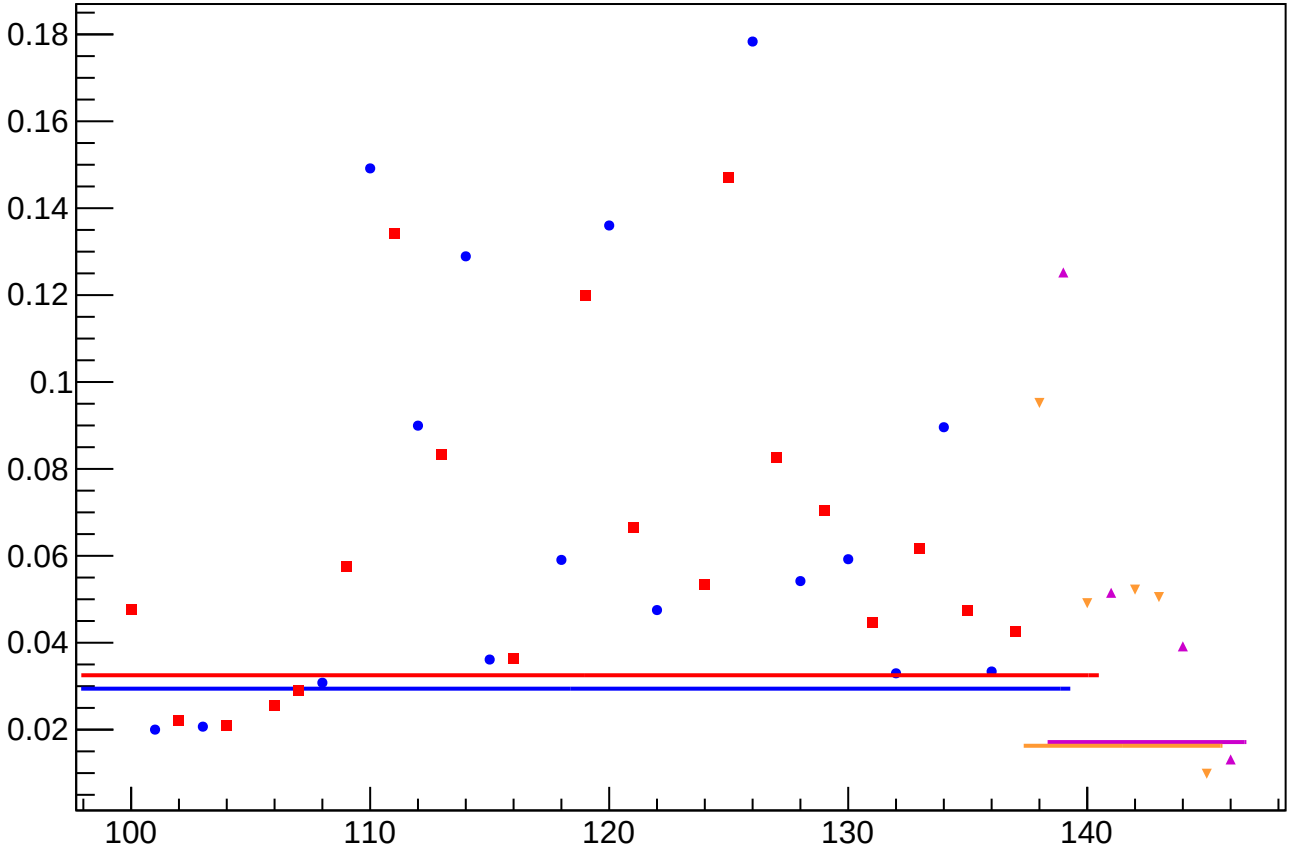
Left In: 5.335+/-0.000 χ^2/NDF:11450593253.2/3

+ sign 1.698+/-0.000 χ^2/NDF: 19994950268.7/20

All: 2.449+/-0.000 χ^2/NDF: 97872959068.0/4

- sign 3.147+/-0.000 χ^2/NDF: 68997044931.9/22

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2255870.9/4

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

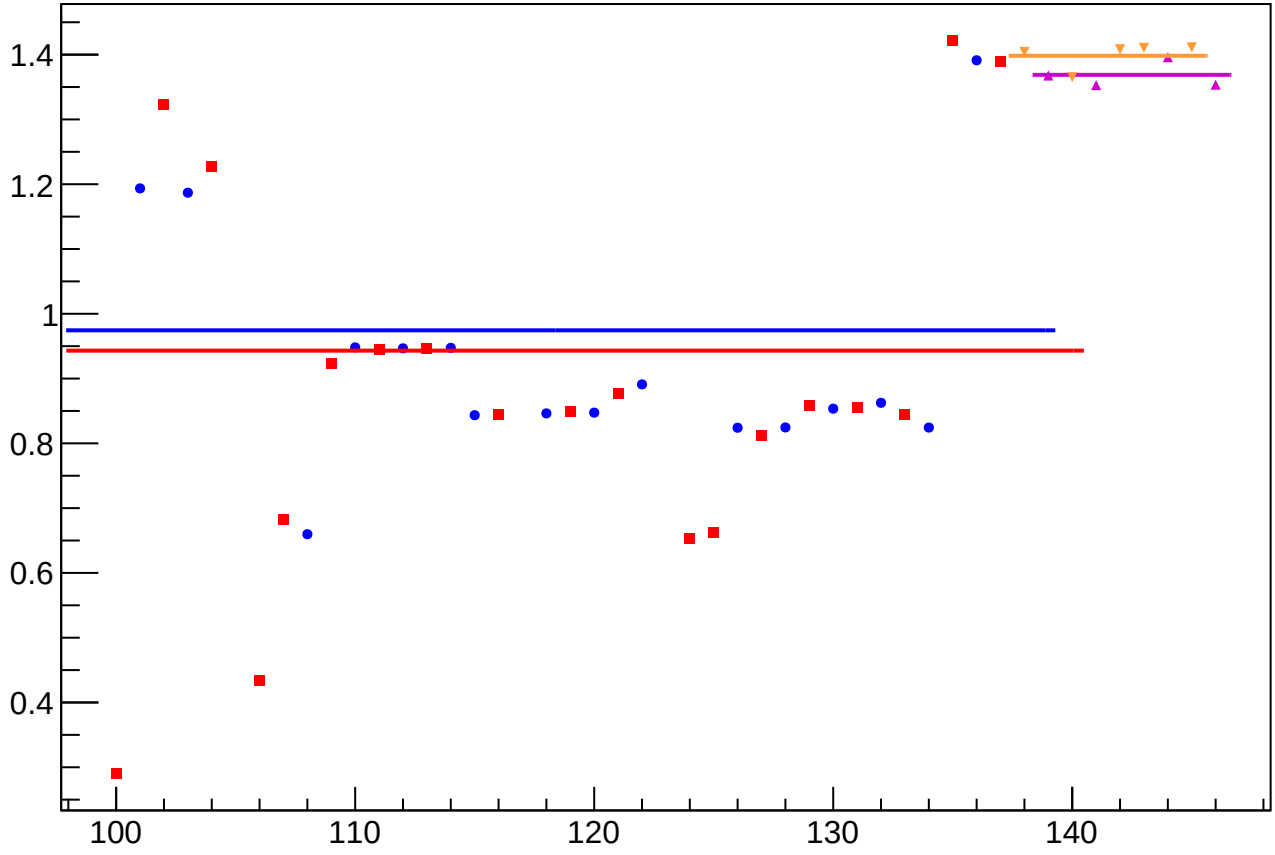
Left In: 0.017+/-0.000 χ^2/NDF:1988377.2/3

+ sign 0.023+/-0.000 χ^2/NDF: 6151065.8/20

All: 0.024+/-0.000 χ^2/NDF: 12485149.0/43

- sign 0.024+/-0.000 χ^2/NDF: 6328283.1/22

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.398+/-0.000 χ^2/NDF:7056263.1/4

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

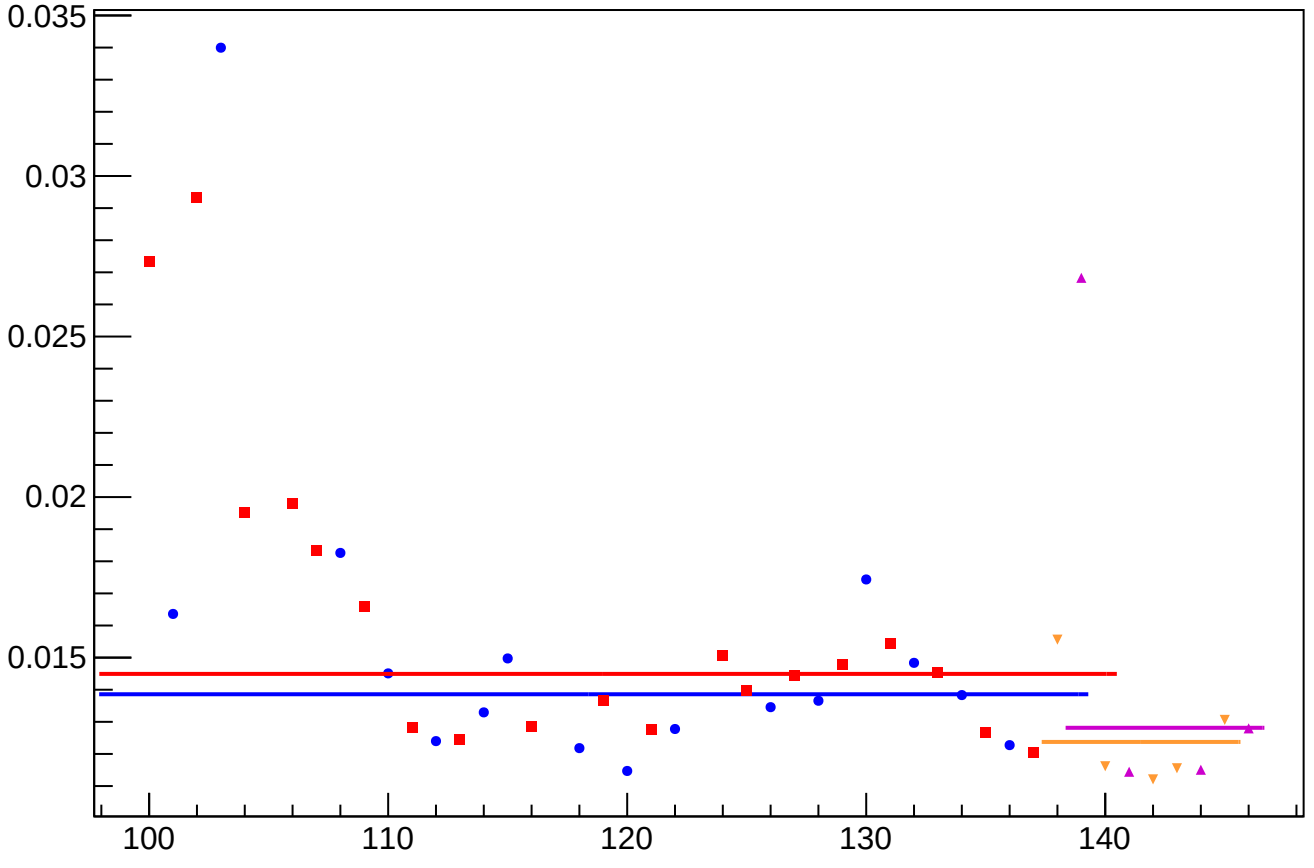
Left In: 1.369+/-0.000 χ^2/NDF:7001612.5/3

+ sign 1.133+/-0.000 χ^2/NDF: 3645152069.9/20

All: 1.117+/-0.000 χ^2/NDF: 7379866116.8/43

- sign 1.099+/-0.000 χ^2/NDF: 3705546201.9/22

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:76993.2/4

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

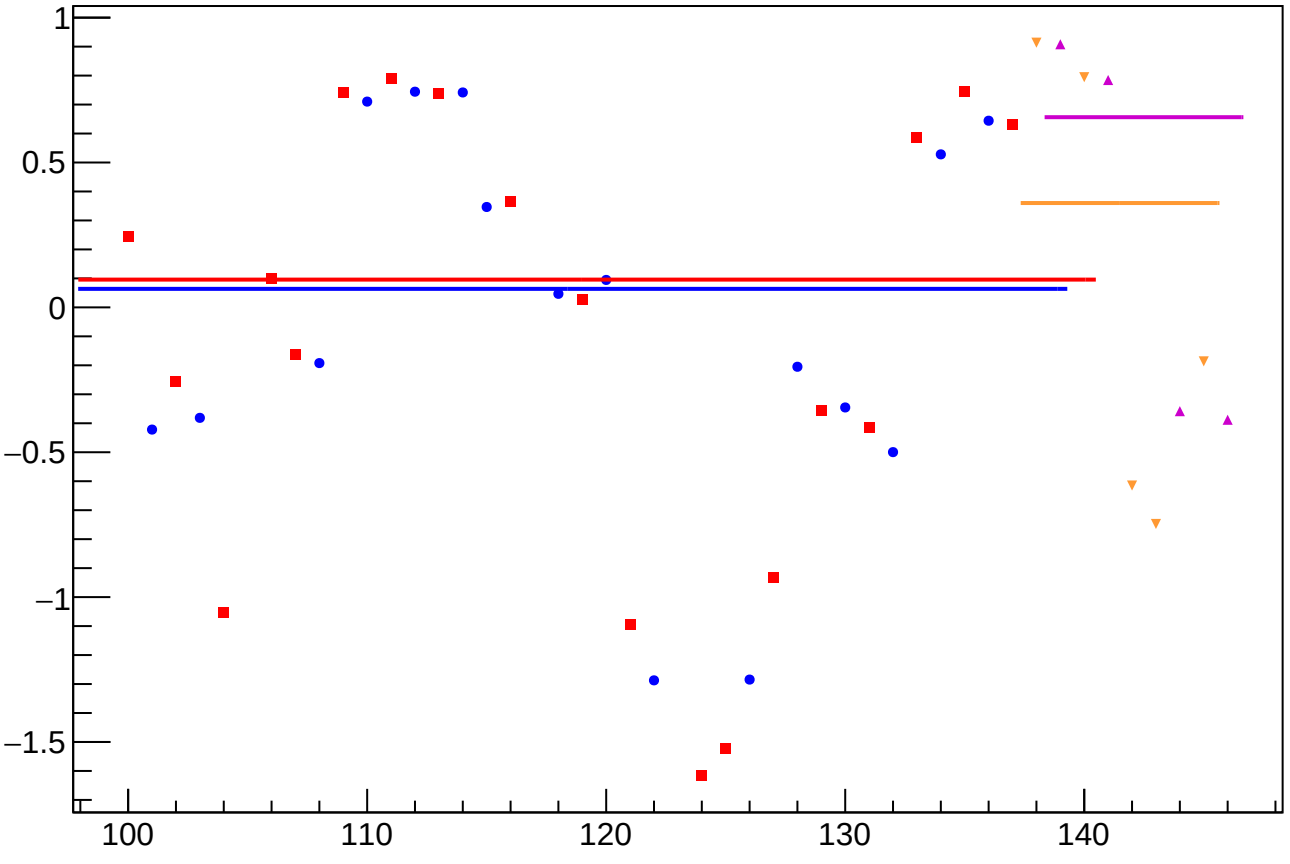
Left In: 0.013+/-0.000 χ^2/NDF:483398.1/3

+ sign 0.013+/-0.000 χ^2/NDF: 730474.2/20

All: 0.014+/-0.000 χ^2/NDF: 1837784.4/43

- sign 0.014+/-0.000 χ^2/NDF: 1090793.1/22

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.360+/-0.000 χ^2/NDF:17201229836.6/4

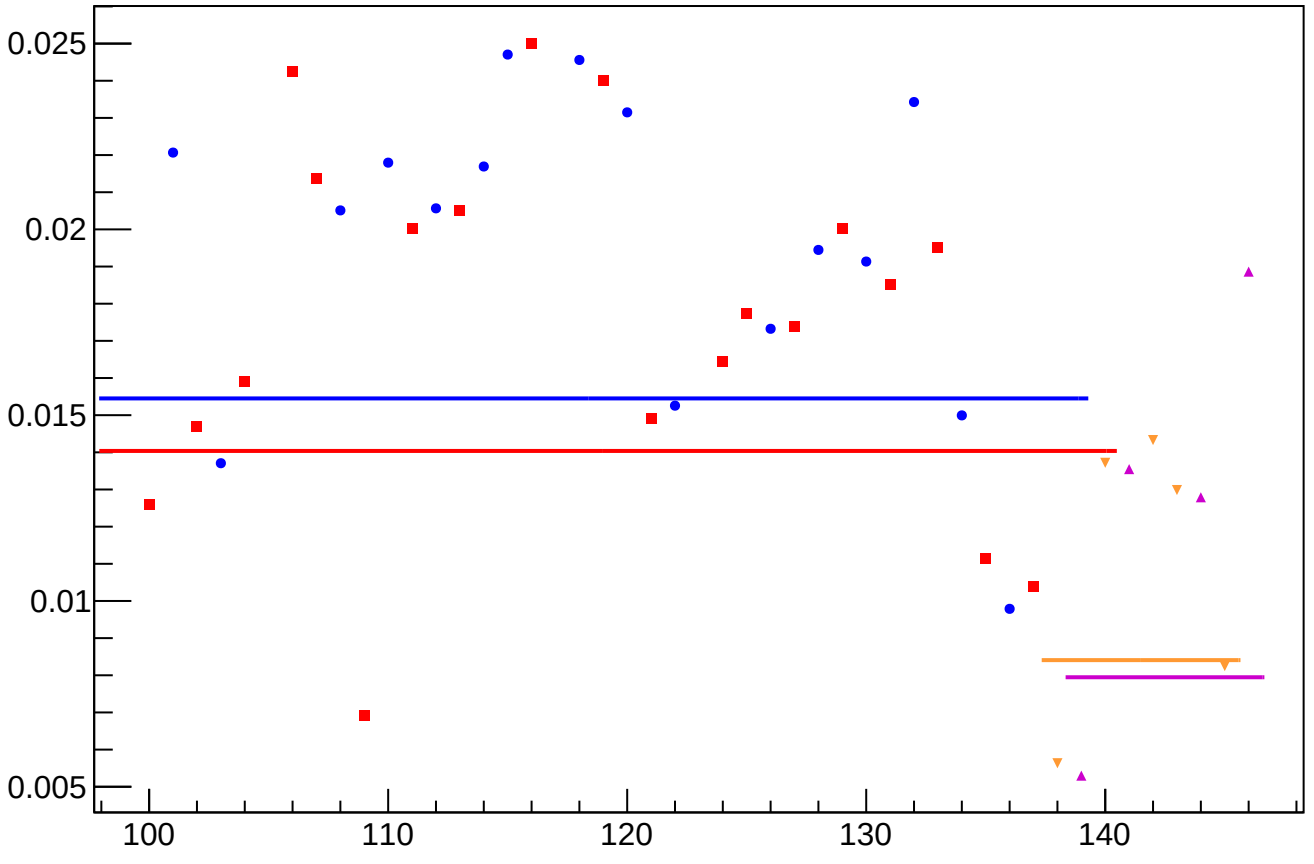
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.656+/-0.000 χ^2/NDF:9765453985.1/3

+ sign 0.246+/-0.000 χ^2/NDF: 29593253400.3/20

All: 0.335+/-0.000 χ^2/NDF: 63538278572.1/4

- sign 0.418+/-0.000 χ^2/NDF: 32940722612.0/22



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:868174.1/4

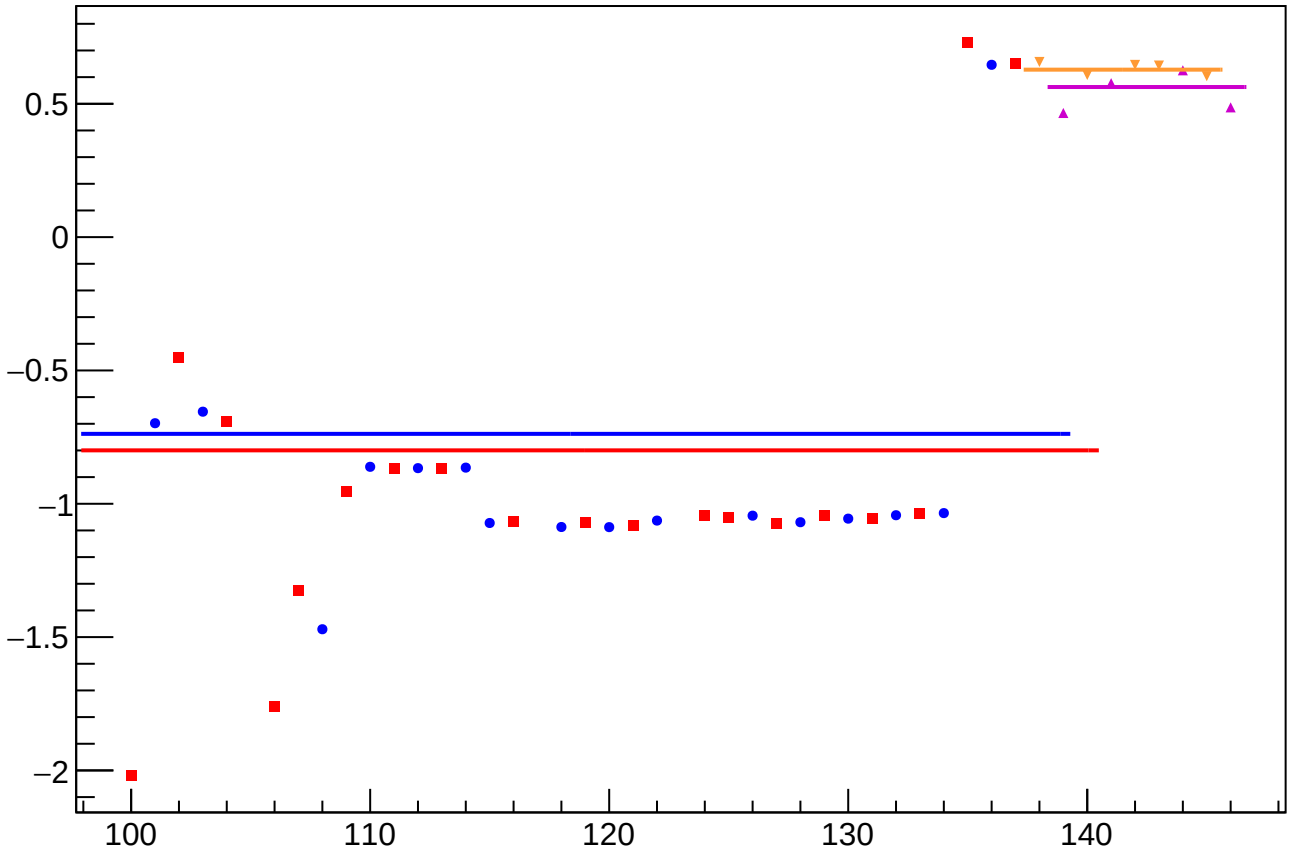
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.008+/-0.000 χ^2/NDF:1458716.3/3

+ sign 0.011+/-0.000 χ^2/NDF: 3694934.5/20

All: 0.011+/-0.000 χ^2/NDF: 8136575.7/43

- sign 0.011+/-0.000 χ^2/NDF: 4418059.1/22



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.628+/-0.000 χ^2/NDF:1346325.9/4

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

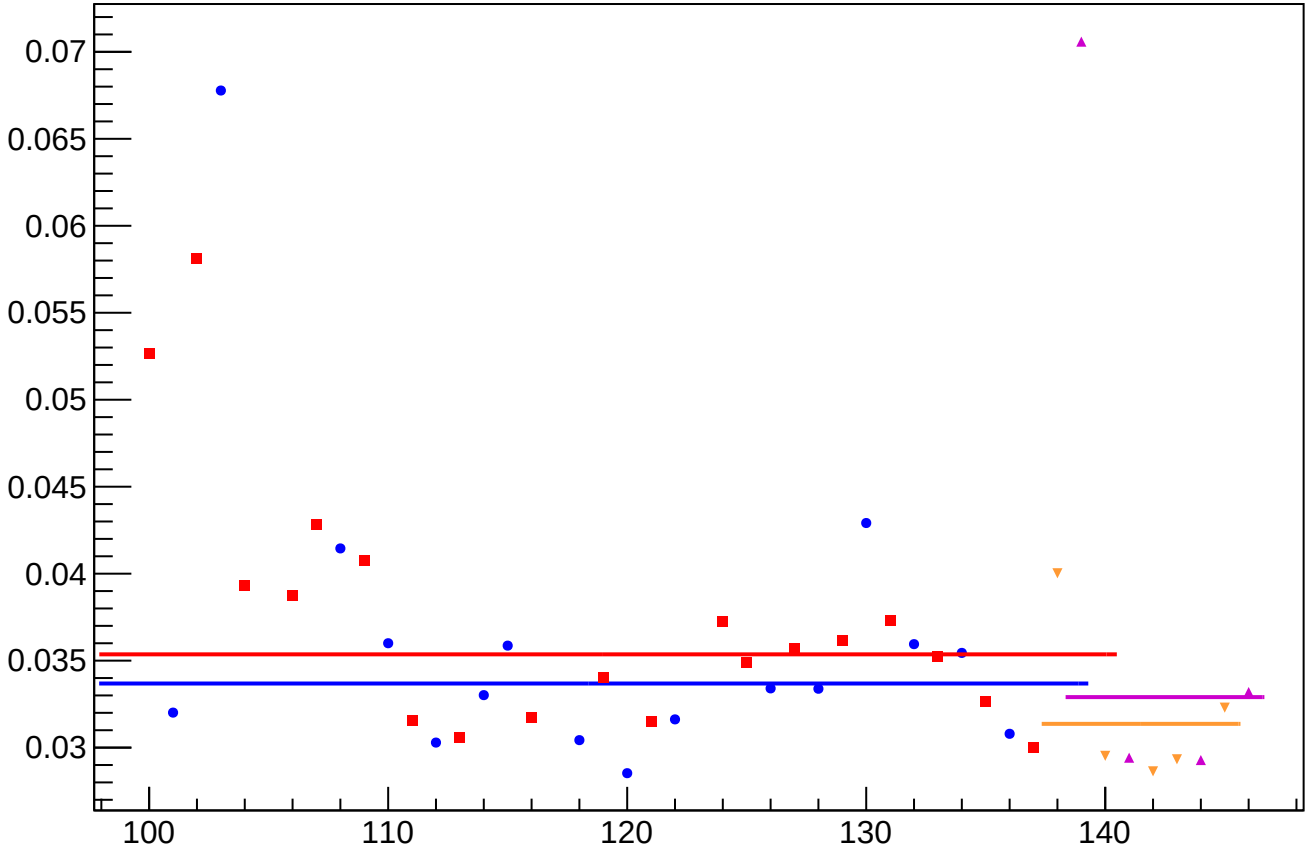
Left In: 0.563+/-0.000 χ^2/NDF:9542490.4/3

+ sign -0.259+/-0.000 χ^2/NDF: 5704990878.0/20

All: -0.296+/-0.000 χ^2/NDF: 1088337899.0/

- sign -0.337+/-0.000 χ^2/NDF: 5153669952.9/22

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:79007.4/4

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

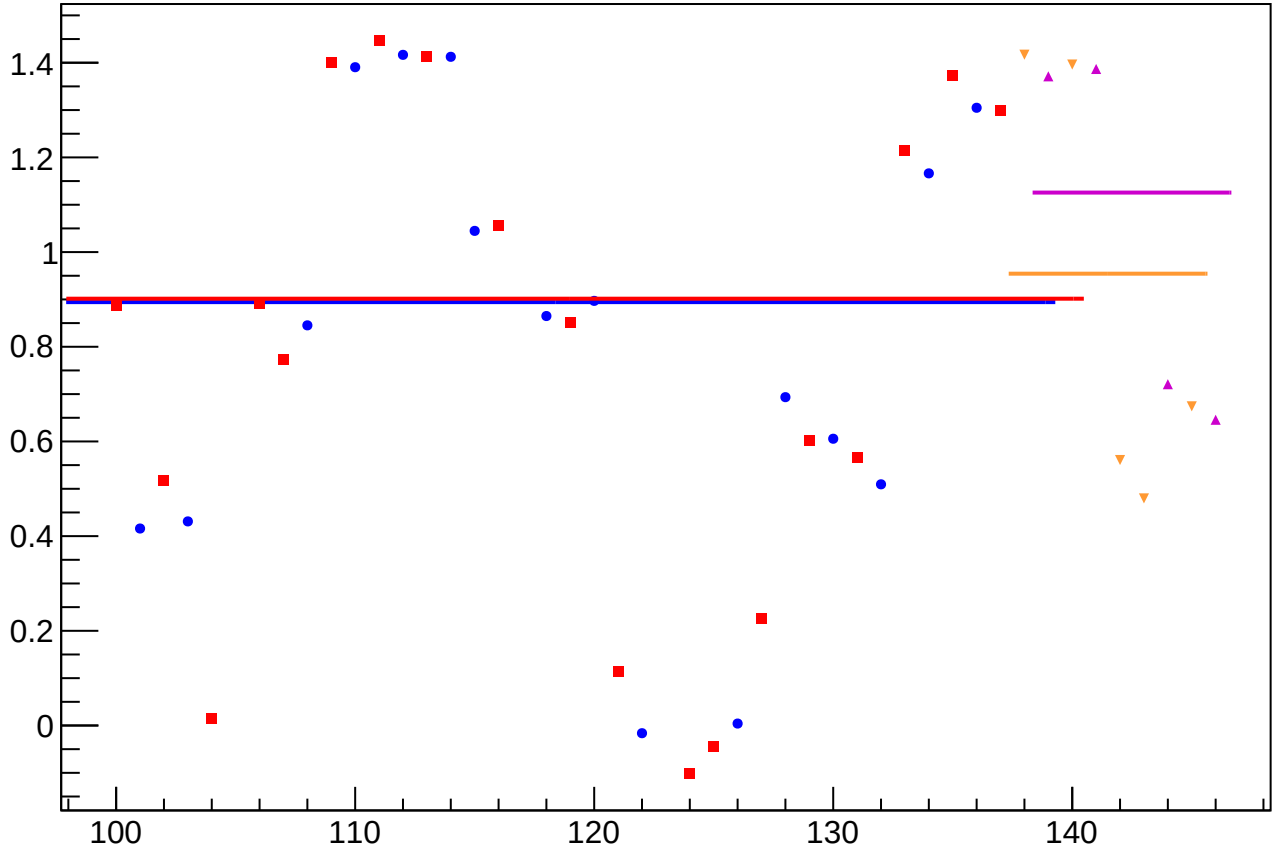
Left In: 0.033+/-0.000 χ^2/NDF:505431.8/3

+ sign 0.033+/-0.000 χ^2/NDF: 520174.4/20

All: 0.034+/-0.000 χ^2/NDF: 1365574.7/43

- sign 0.035+/-0.000 χ^2/NDF: 823014.8/22

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.954+/-0.000 χ^2/NDF:9247365127.5/4

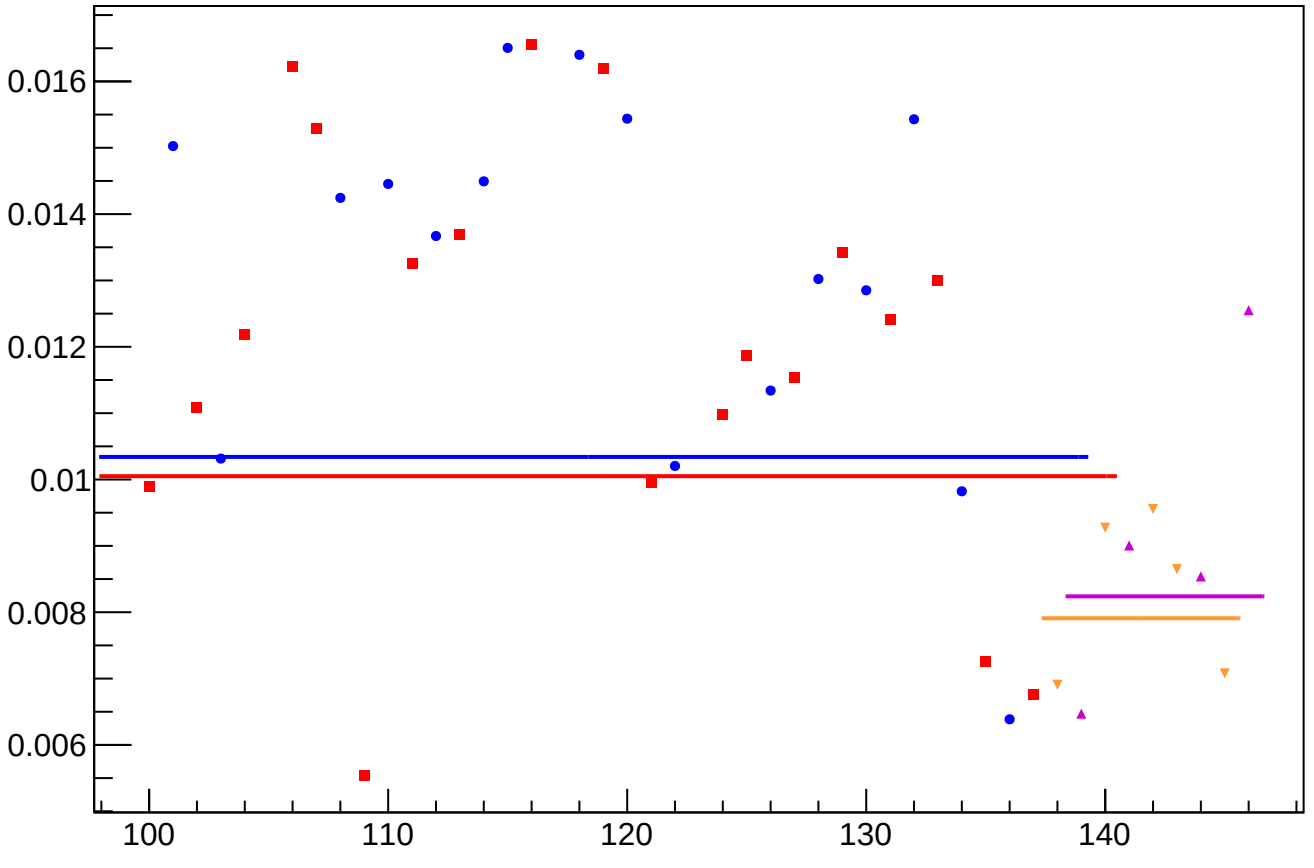
Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.126+/-0.000 χ^2/NDF:4937902470.7/3

+ sign 0.924+/-0.000 χ^2/NDF: 22096567733.8/20

All: 0.960+/-0.000 χ^2/NDF: 46535352243.1/4

- sign 0.998+/-0.000 χ^2/NDF: 24139433699.9/22



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:122144.5/4

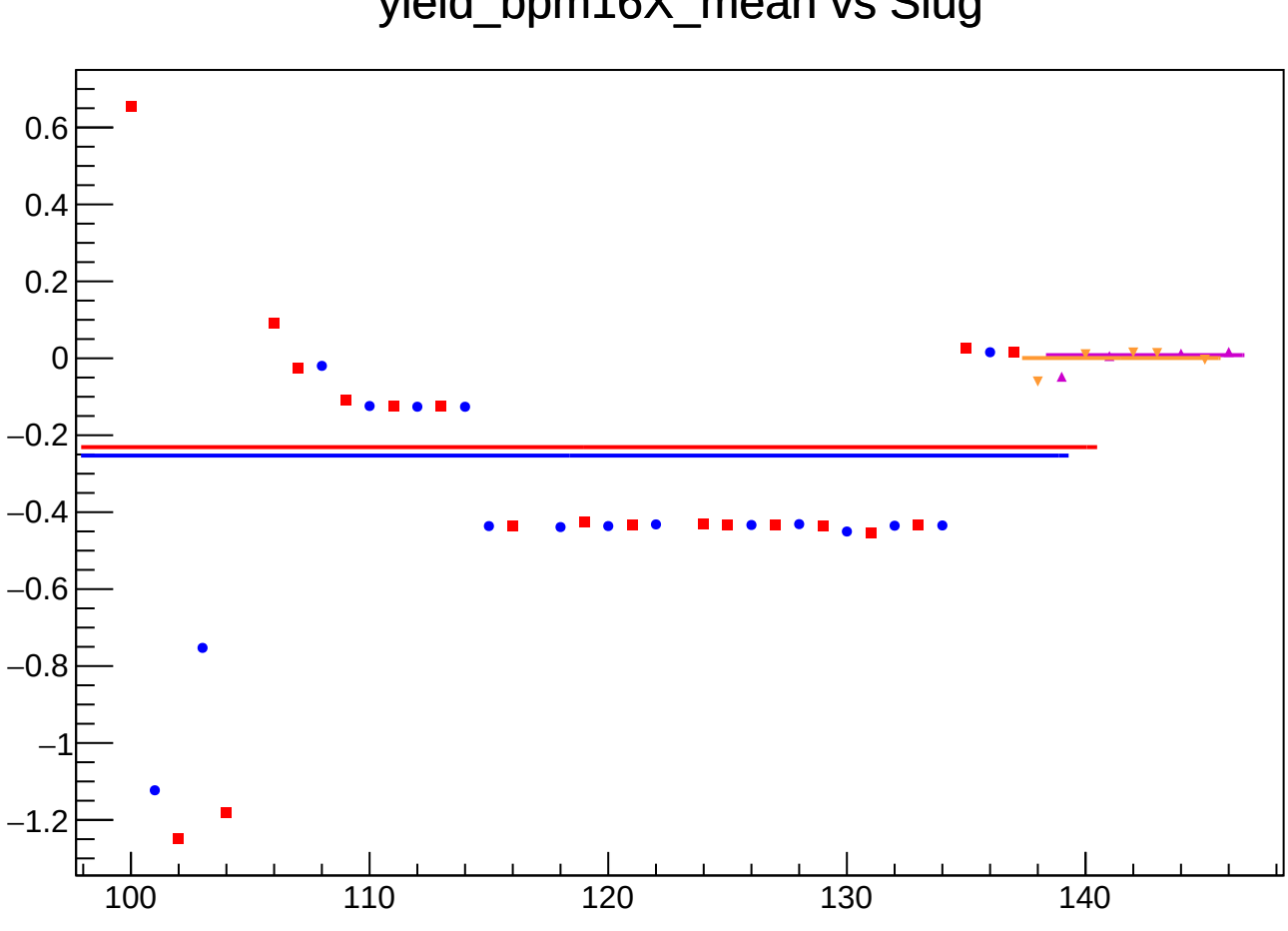
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.008+/-0.000 χ^2/NDF:319031.8/3

+ sign 0.009+/-0.000 χ^2/NDF: 1798573.8/20

All: 0.009+/-0.000 χ^2/NDF: 3627069.3/43

- sign 0.009+/-0.000 χ^2/NDF: 1826707.1/22



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.001+/-0.000 χ^2/NDF:16923519.6/4

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

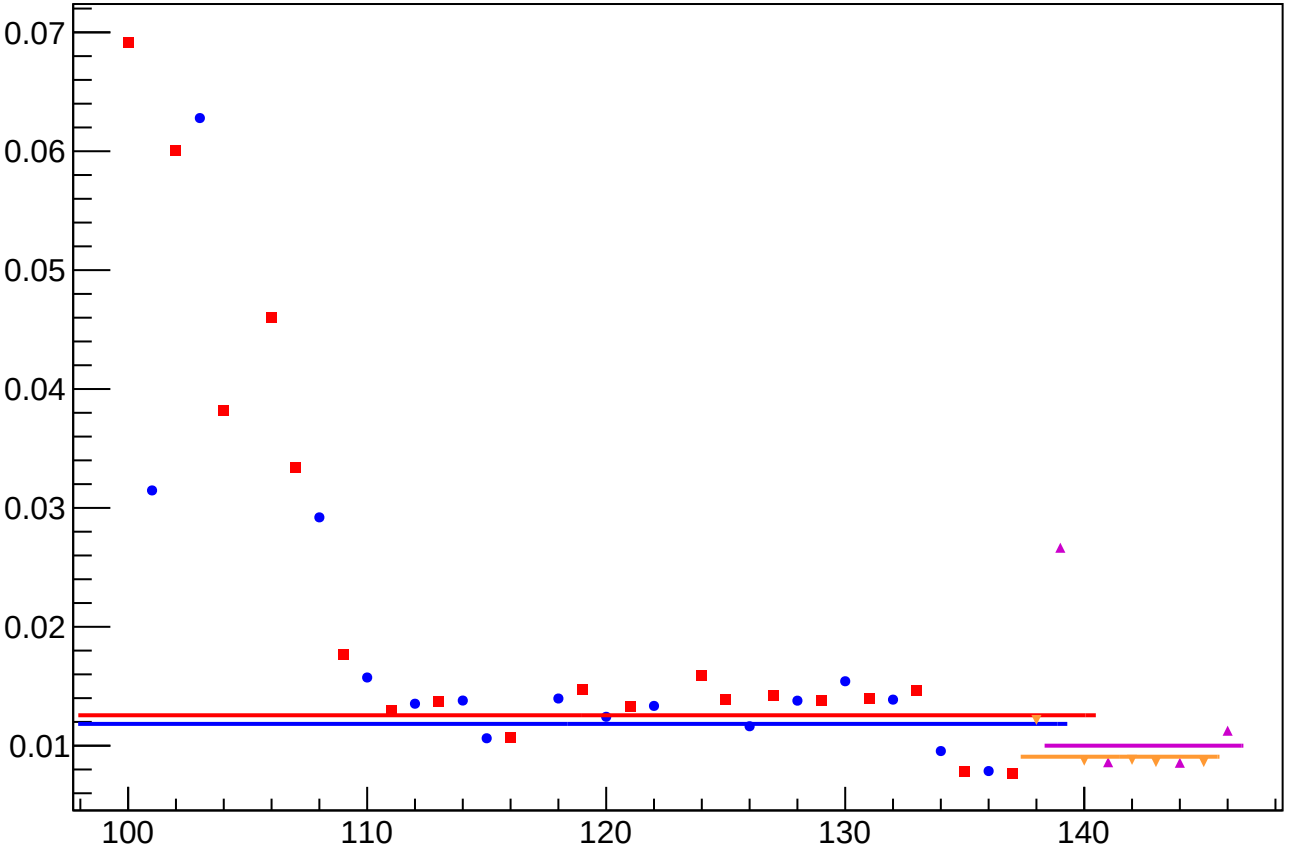
Left In: 0.008+/-0.000 χ^2/NDF:4291215.4/3

+ sign -0.131+/-0.000 χ^2/NDF: 3137944127.7/20

All: -0.128+/-0.000 χ^2/NDF: 5761517987.2/4

- sign -0.124+/-0.000 χ^2/NDF: 2622101605.0/22

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:78968.7/4

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

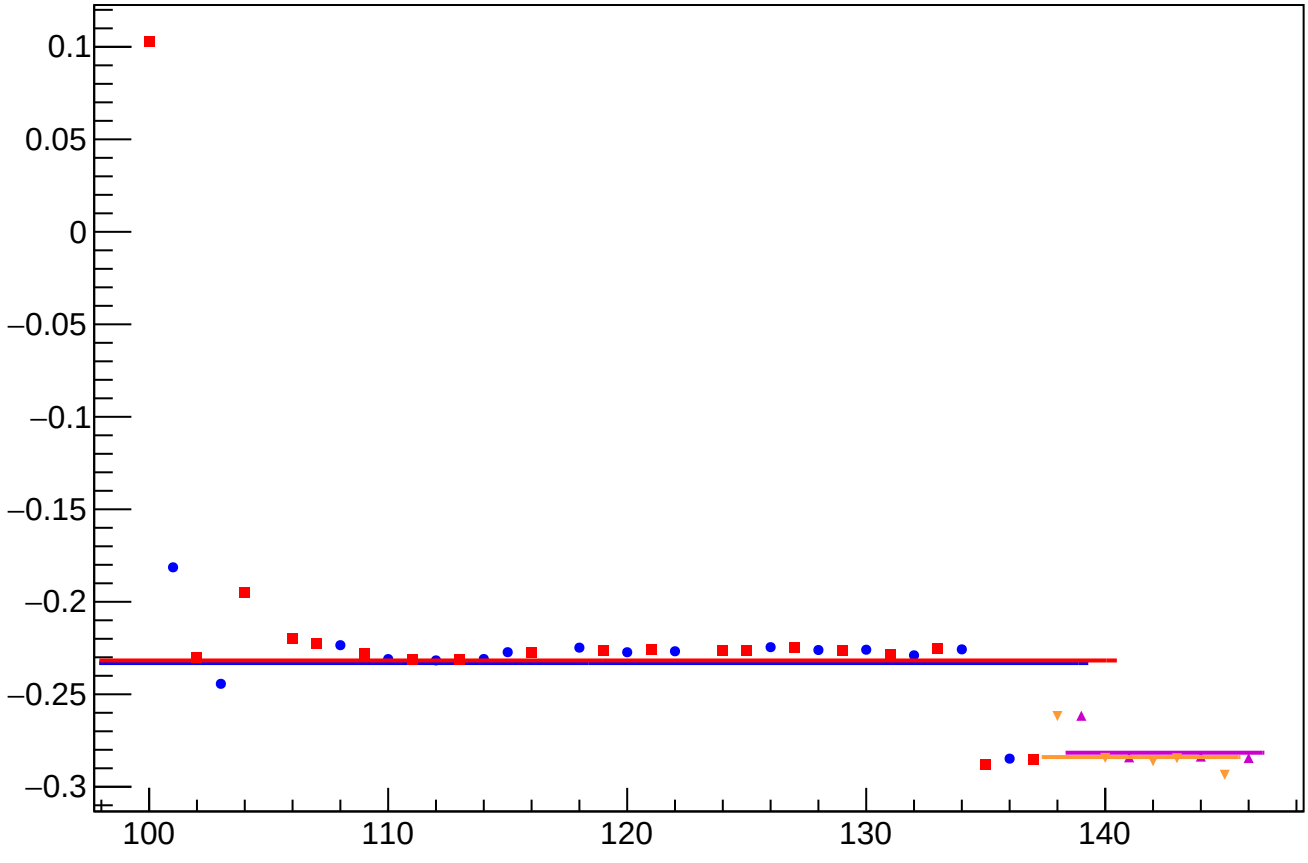
Left In: 0.010+/-0.000 χ^2/NDF:742298.3/3

+ sign 0.011+/-0.000 χ^2/NDF: 2281238.5/20

All: 0.011+/-0.000 χ^2/NDF: 5477789.8/43

- sign 0.011+/-0.000 χ^2/NDF: 3144941.1/22

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:14389581.1/4

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

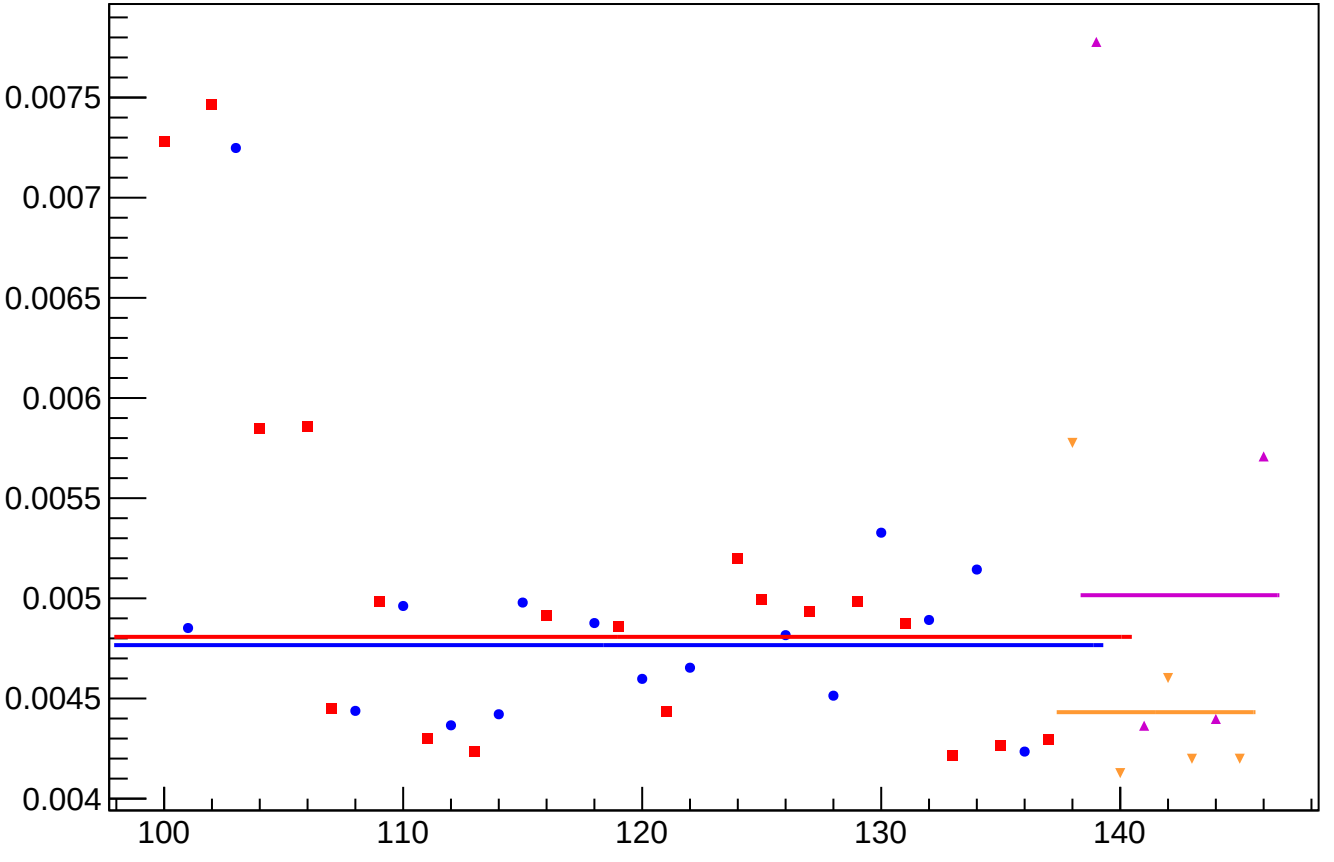
Left In: -0.282+/-0.000 χ^2/NDF:5936870.1/3

+ sign -0.252+/-0.000 χ^2/NDF: 483996133.1/20

All: -0.249+/-0.000 χ^2/NDF: 997728203.5/43

- sign -0.247+/-0.000 χ^2/NDF: 507570235.9/22

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.004+/-0.000 χ^2/NDF:95749.4/4

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

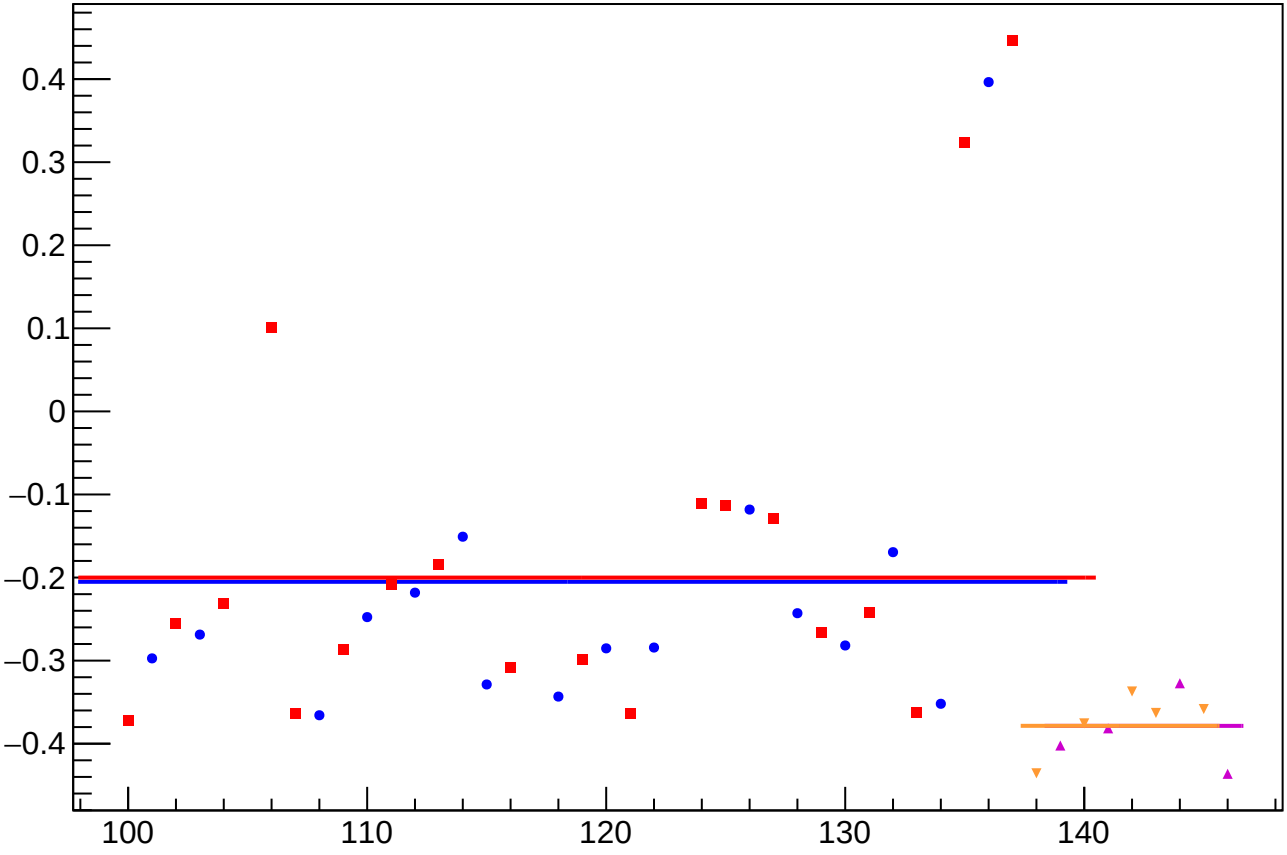
Left In: 0.005+/-0.000 χ^2/NDF:294000.8/3

+ sign 0.005+/-0.000 χ^2/NDF: 310977.7/20

All: 0.005+/-0.000 χ^2/NDF: 928308.6/43

- sign 0.005+/-0.000 χ^2/NDF: 595196.3/22

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.378+/-0.000 χ^2/NDF:143271758.4/4

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

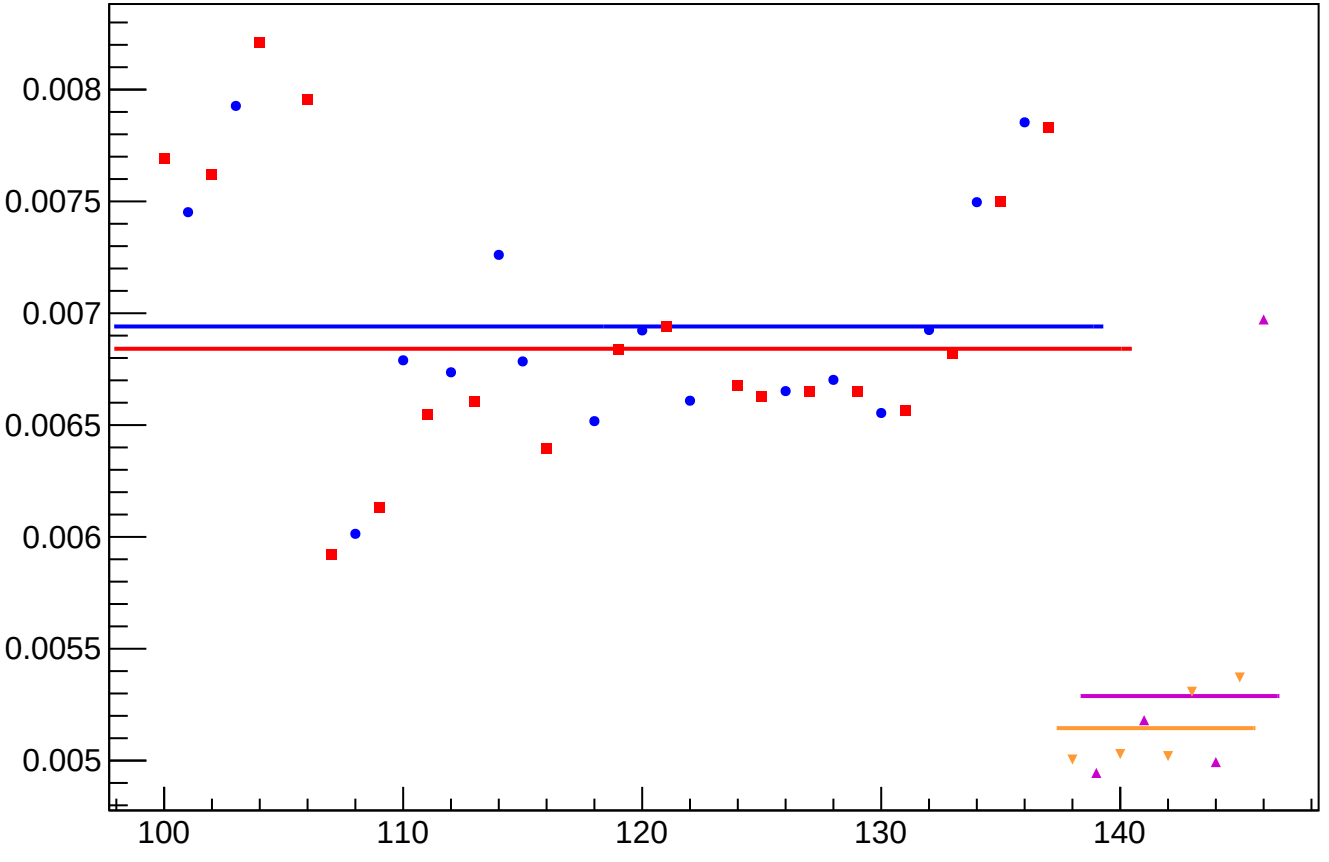
Left In: -0.379+/-0.000 χ^2/NDF:158086680.0/3

+ sign -0.287+/-0.000 χ^2/NDF: 8408716942.8/20

All: -0.282+/-0.000 χ^2/NDF: 15924379595.0/

- sign -0.276+/-0.000 χ^2/NDF: 7498919322.4/22

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:6542.3/4

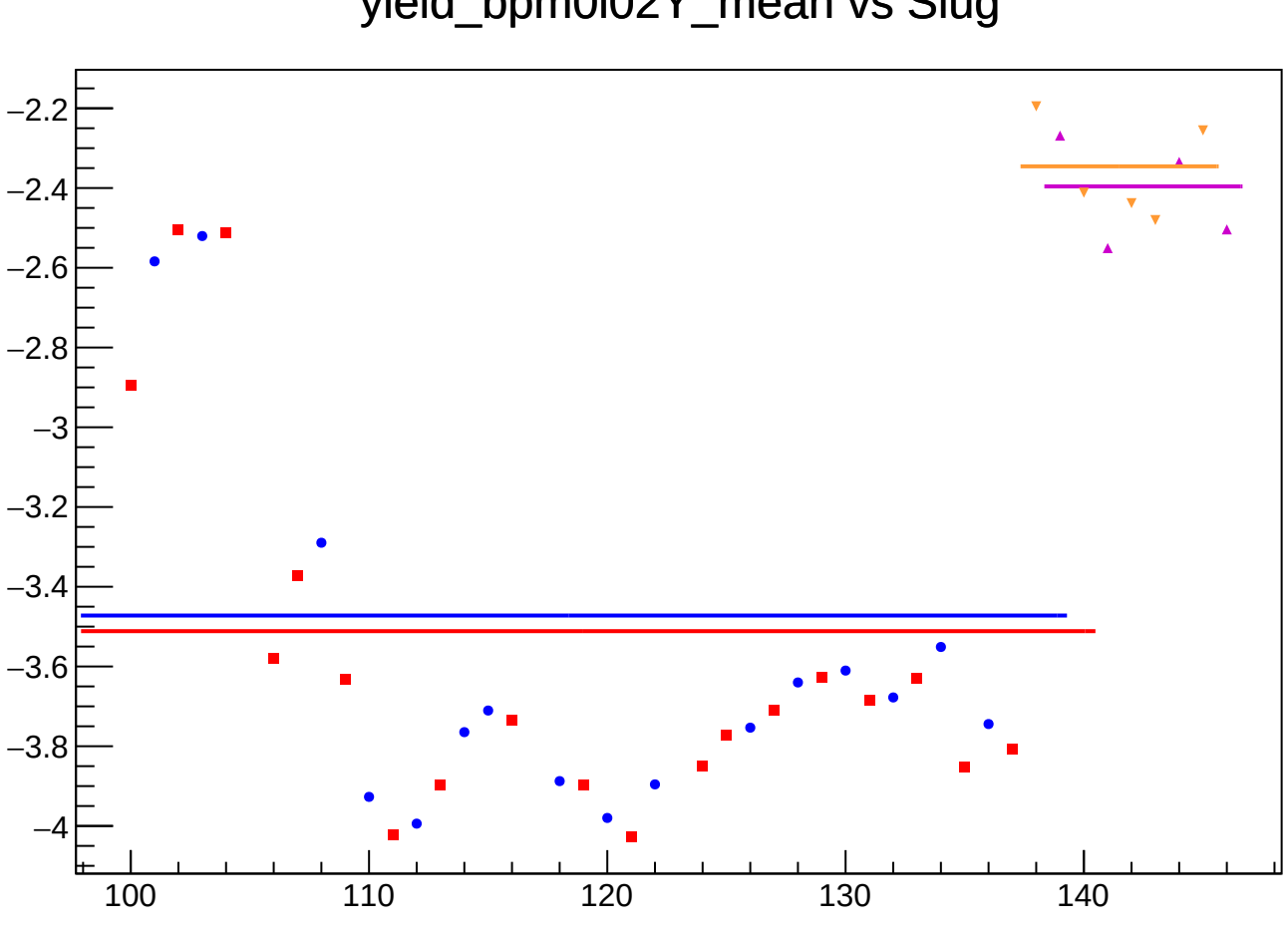
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:98872.6/3

+ sign 0.006+/-0.000 χ^2/NDF: 537196.2/20

All: 0.006+/-0.000 χ^2/NDF: 1054491.6/43

- sign 0.006+/-0.000 χ^2/NDF: 515149.2/22



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.346+/-0.000 χ^2/NDF:433043116.4/4

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

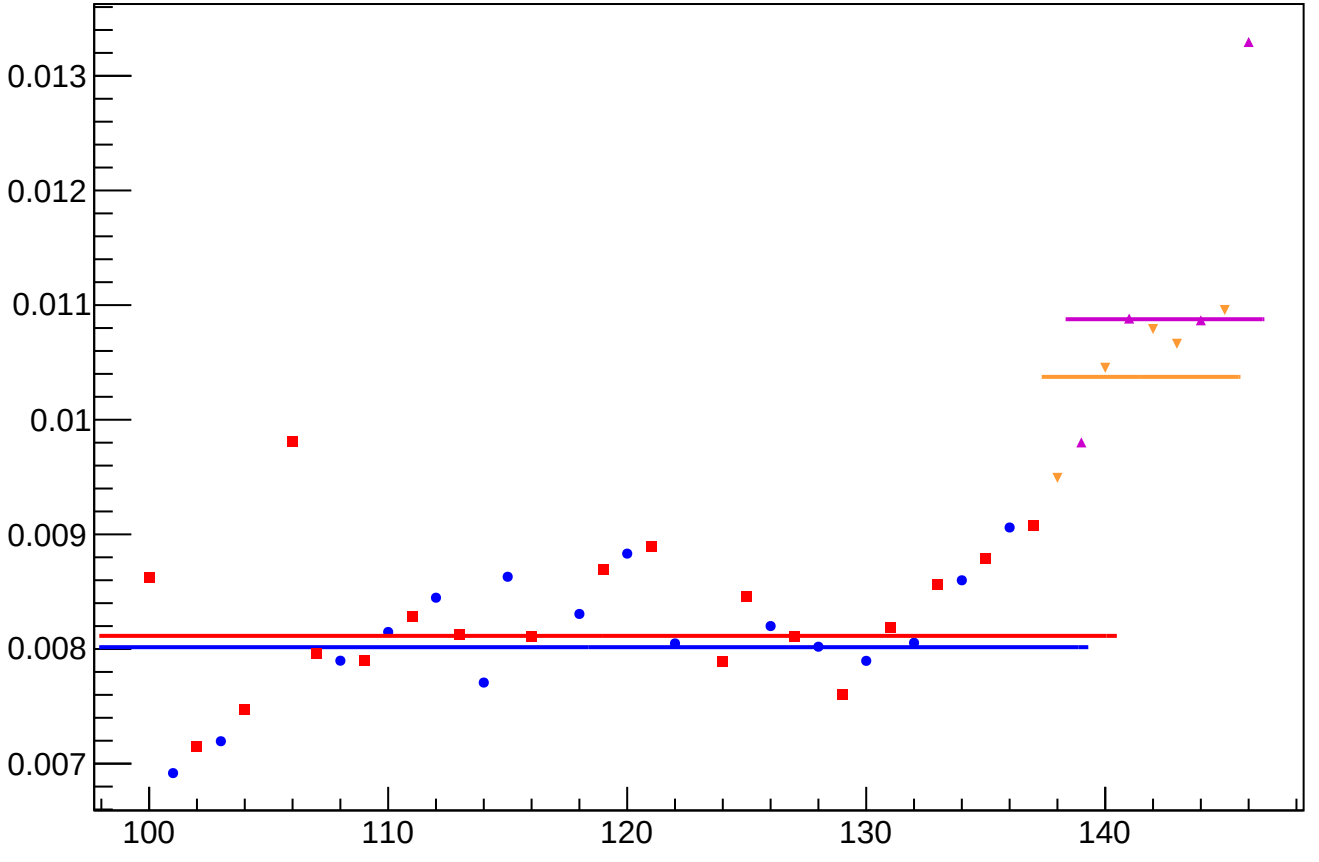
Left In: -2.396+/-0.000 χ^2/NDF:390892837.4/3

+ sign -3.212+/-0.000 χ^2/NDF: 61891467114.3/20

All: -3.248+/-0.000 χ^2/NDF: 119503342200.2

- sign -3.286+/-0.000 χ^2/NDF: 57230627199.7/22

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:19680.8/4

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

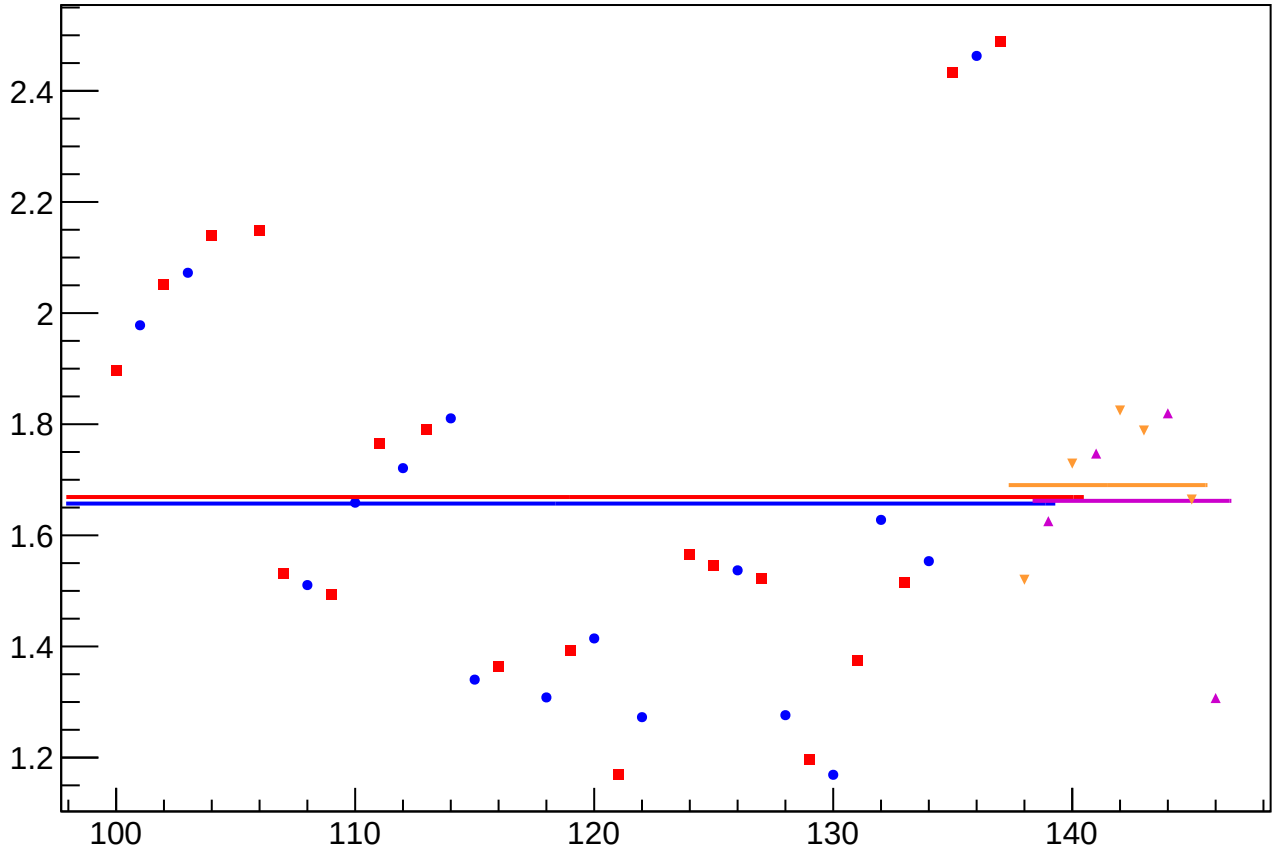
Left In: 0.011+/-0.000 χ^2/NDF:65579.1/3

+ sign 0.009+/-0.000 χ^2/NDF: 385080.3/20

All: 0.009+/-0.000 χ^2/NDF: 856094.8/43

- sign 0.009+/-0.000 χ^2/NDF: 469296.1/22

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.690+/-0.000 χ^2/NDF:308314040.5/4

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

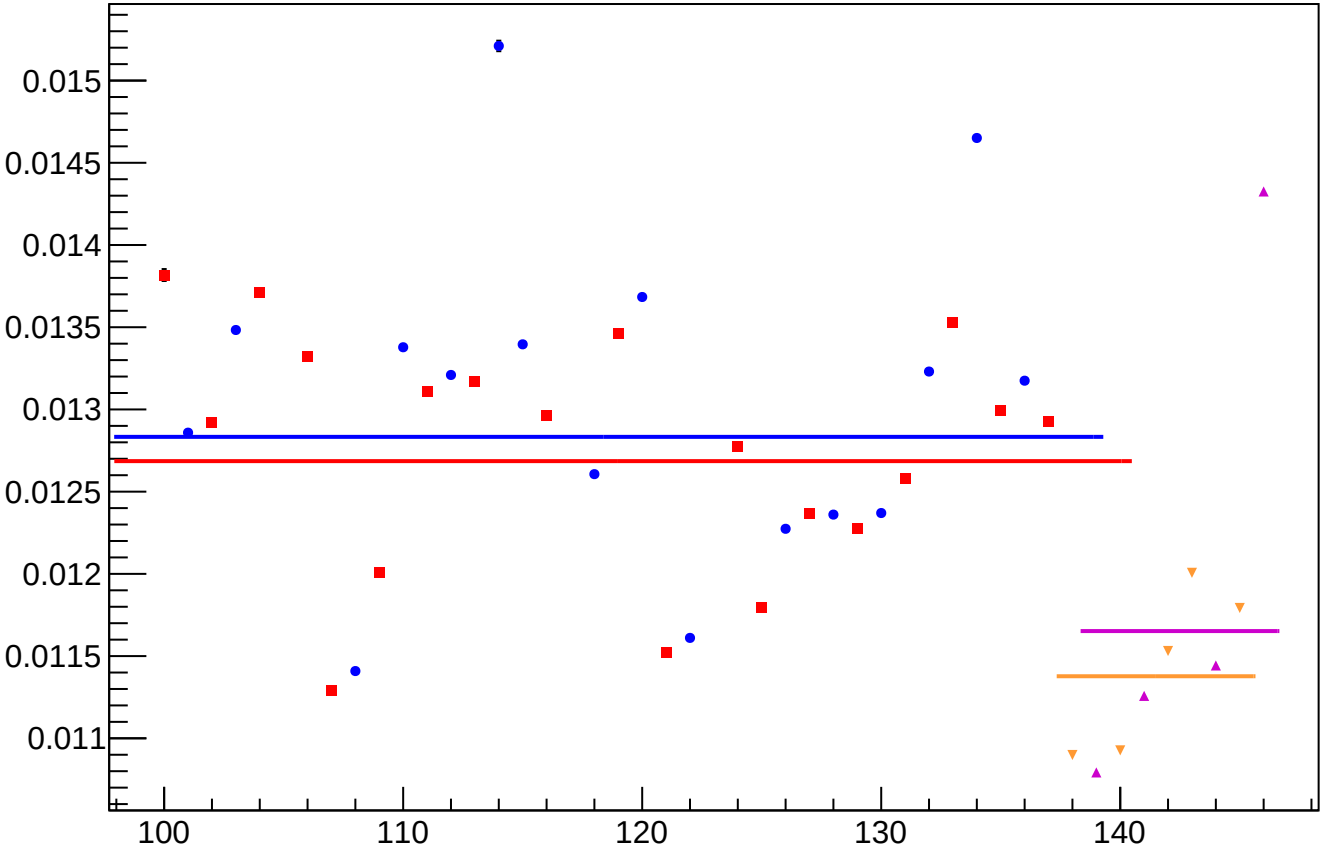
Left In: 1.662+/-0.000 χ^2/NDF:701040727.8/3

+ sign 1.670+/-0.000 χ^2/NDF: 6992832854.1/20

All: 1.668+/-0.000 χ^2/NDF: 14052658514.4/4

- sign 1.667+/-0.000 χ^2/NDF: 7059370815.2/22

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:11983.3/4

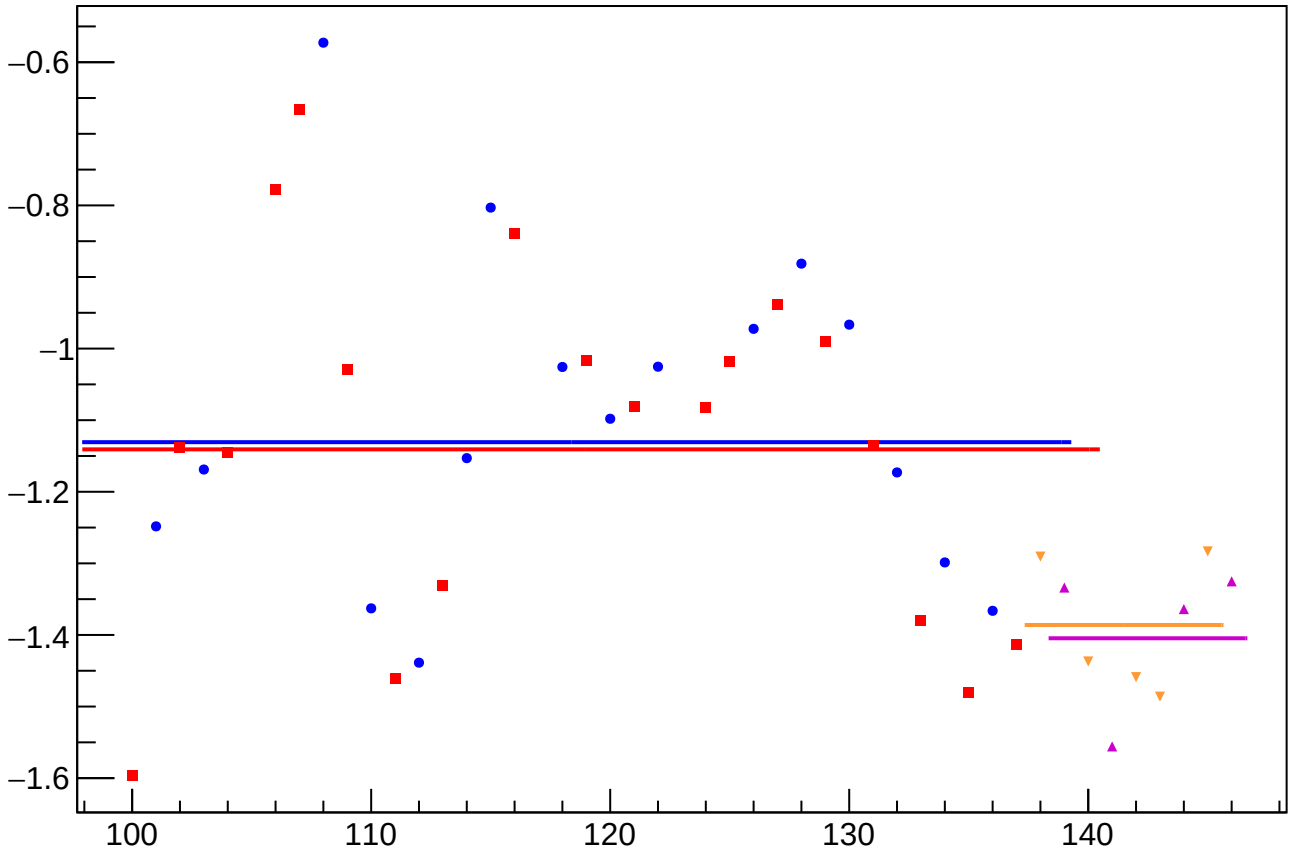
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:67643.1/3

+ sign 0.012+/-0.000 χ^2/NDF: 134963.3/20

All: 0.012+/-0.000 χ^2/NDF: 279768.9/43

- sign 0.012+/-0.000 χ^2/NDF: 144578.9/22



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.386+/-0.000 χ^2/NDF:359926659.2/4

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

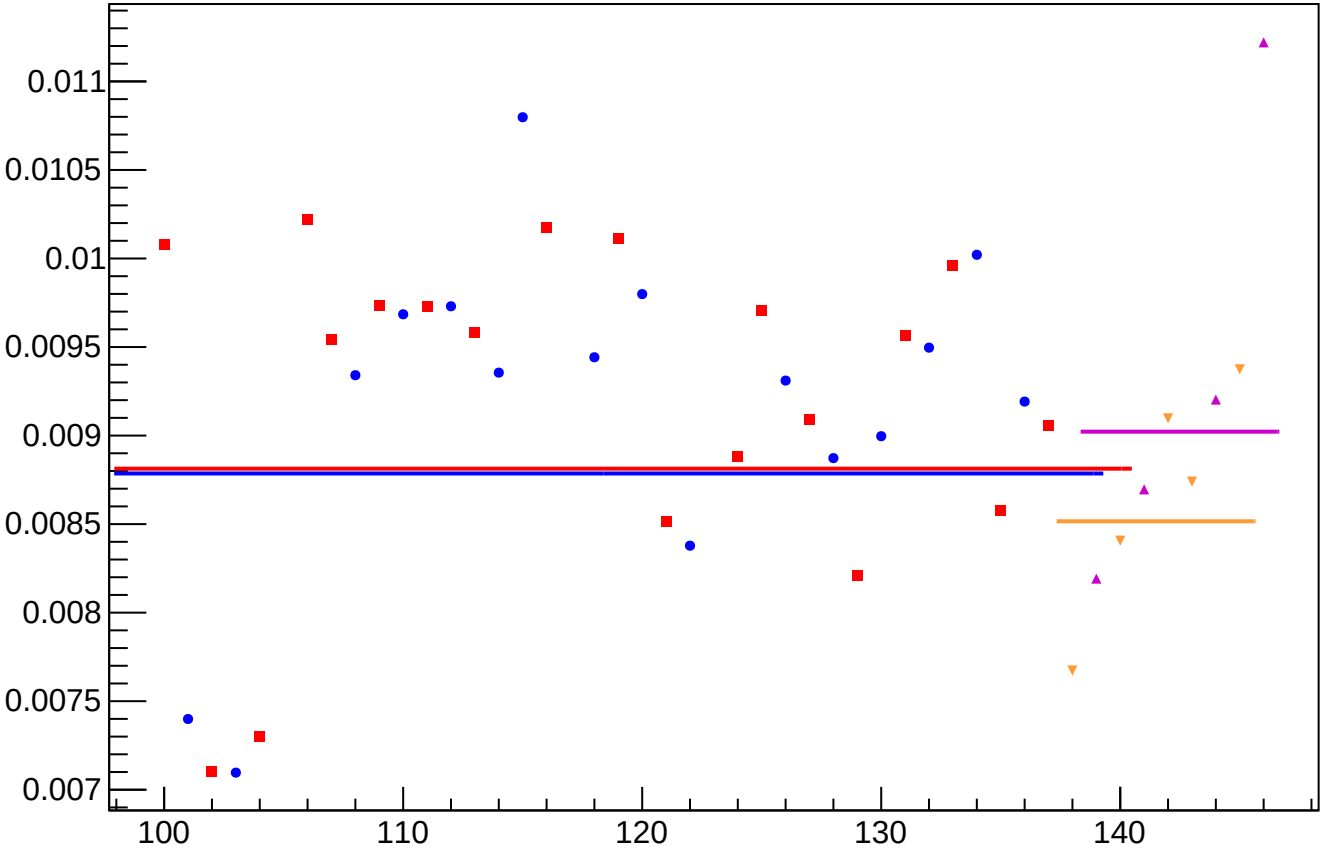
Left In: -1.405+/-0.000 χ^2/NDF:373636086.0/3

+ sign -1.220+/-0.000 χ^2/NDF: 6173609578.8/20

All: -1.221+/-0.000 χ^2/NDF: 11992291509.5/

- sign -1.221+/-0.000 χ^2/NDF: 5818560168.0/22

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:34279.4/4

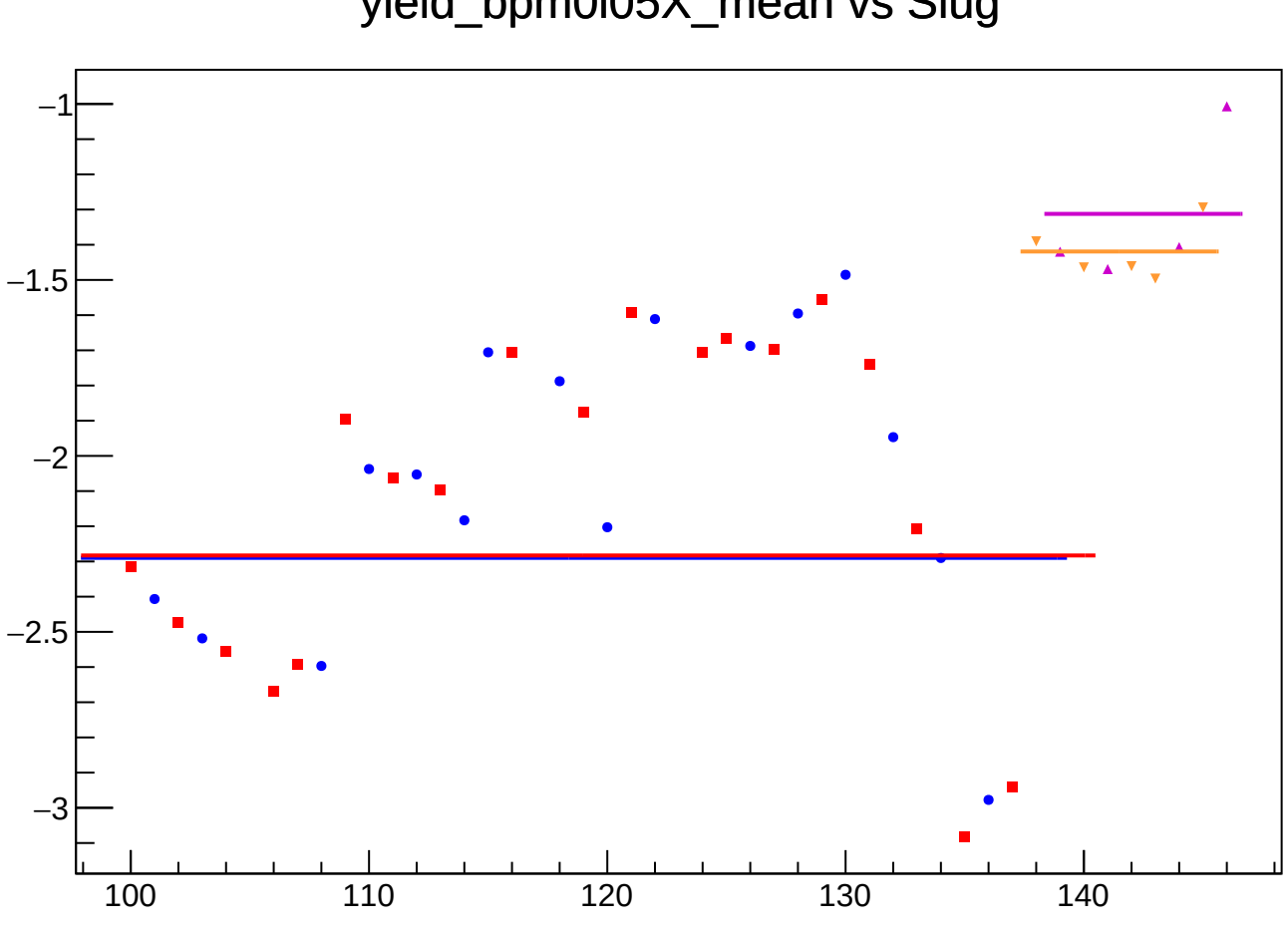
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:73298.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 212282.4/20

All: 0.009+/-0.000 χ^2/NDF: 496970.1/43

- sign 0.009+/-0.000 χ^2/NDF: 280126.4/22



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.419+/-0.000 χ^2/NDF:223697237.6/4

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

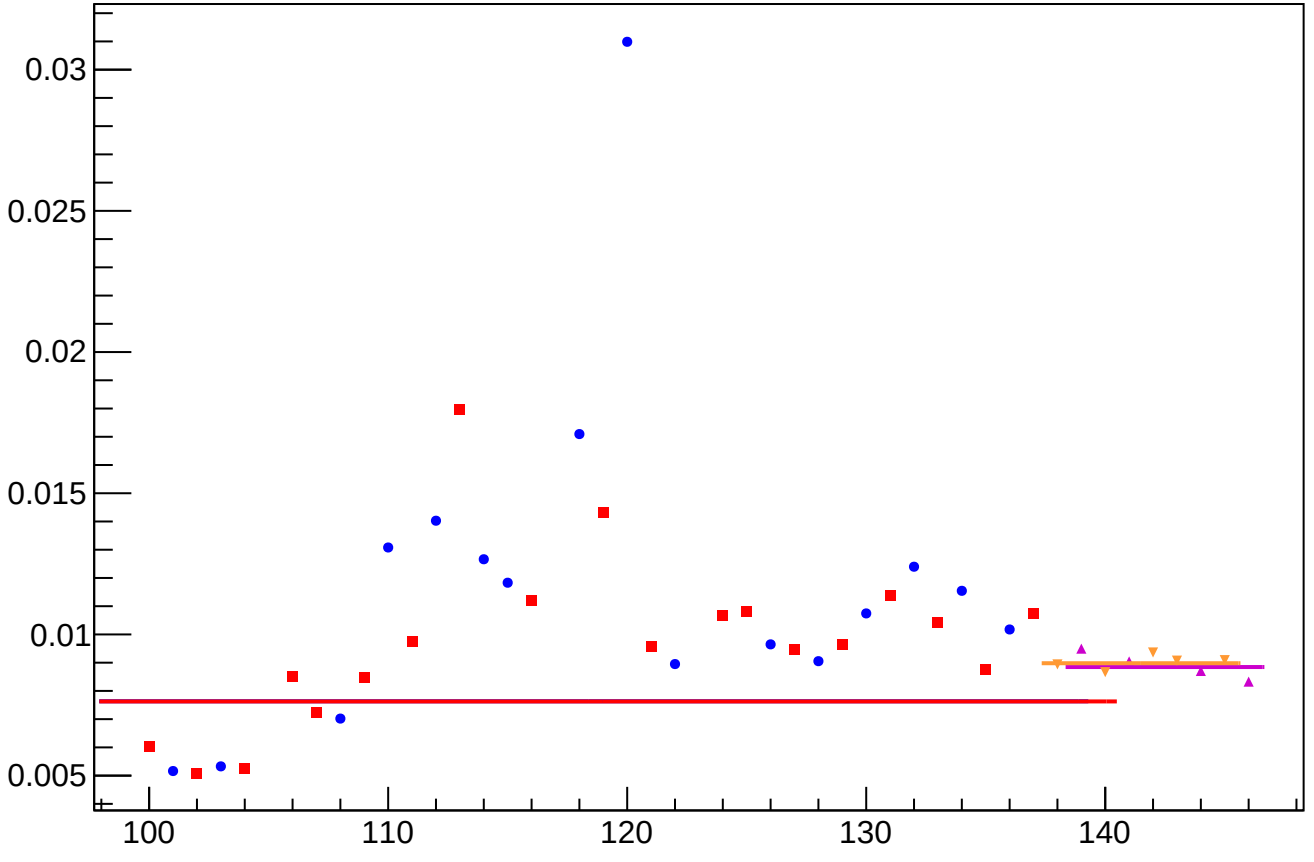
Left In: -1.312+/-0.000 χ^2/NDF:1501269055.7/3

+ sign -2.016+/-0.000 χ^2/NDF: 36213613310.5/20

All: -2.005+/-0.000 χ^2/NDF: 81524287434.8/

- sign -1.994+/-0.000 χ^2/NDF: 45277550468.3/22

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:3717.7/4

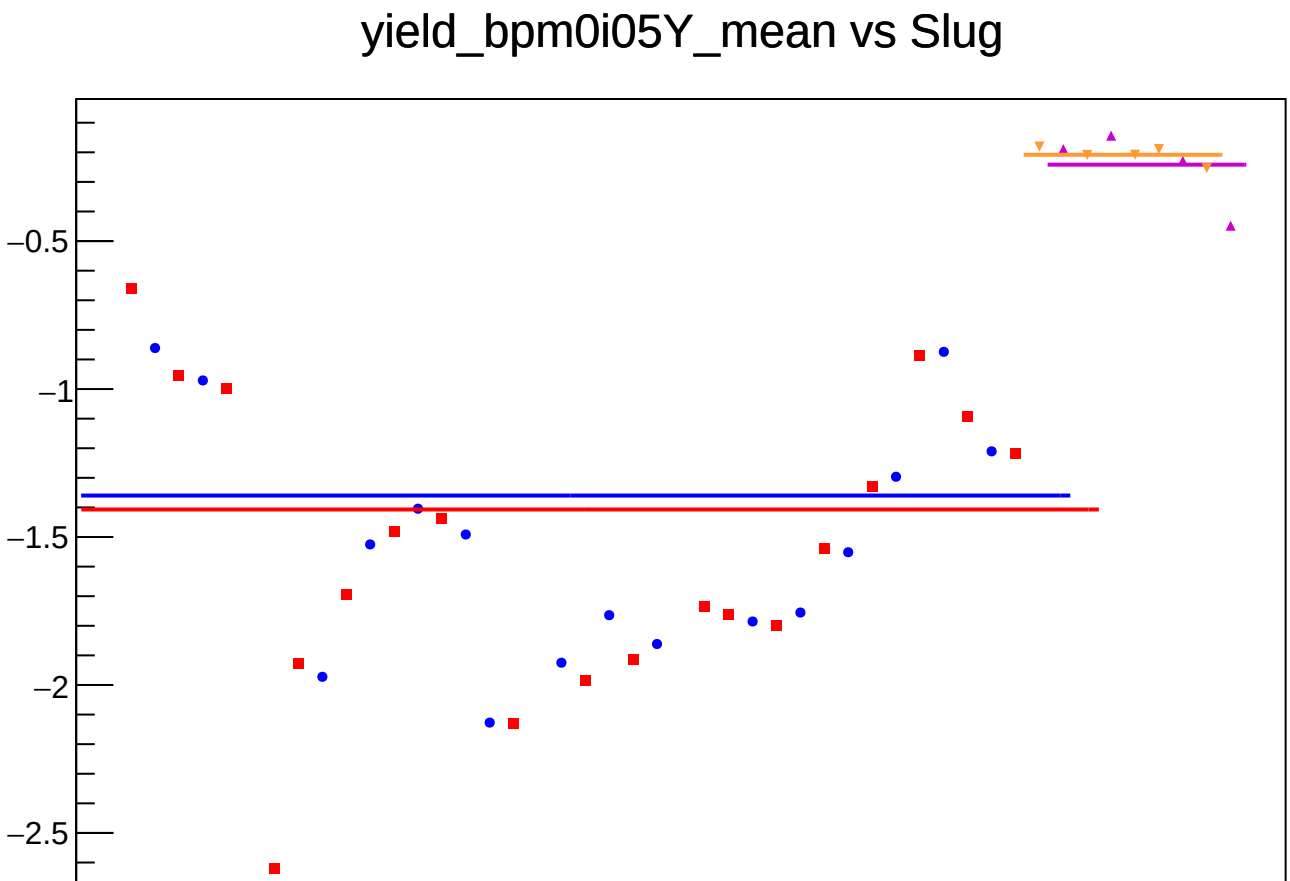
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:14273.7/3

+ sign 0.008+/-0.000 χ^2/NDF: 1814060.6/20

All: 0.008+/-0.000 χ^2/NDF: 3230866.7/43

- sign 0.008+/-0.000 χ^2/NDF: 1416239.8/22



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.208+/-0.000 χ^2/NDF:135672642.6/4

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

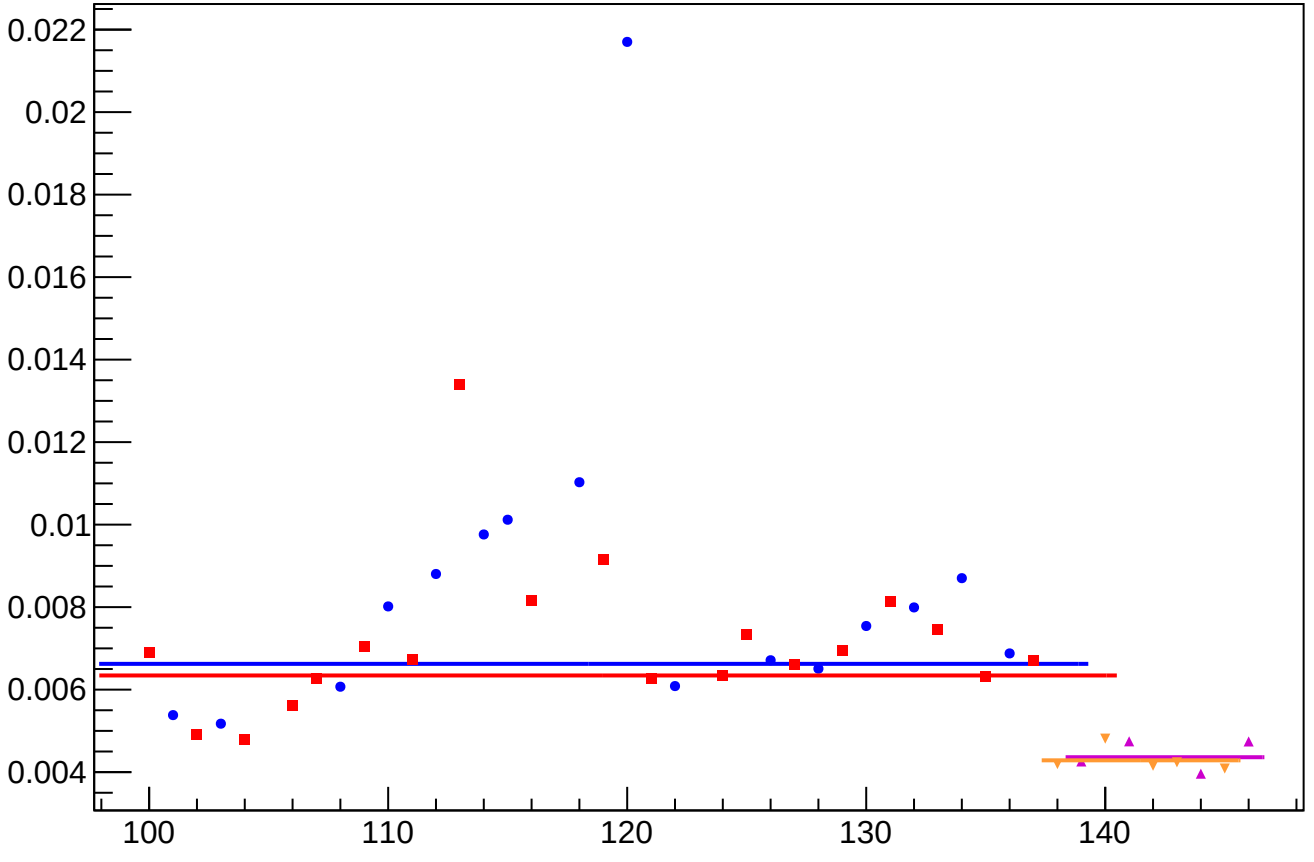
Left In: -0.242+/-0.000 χ^2/NDF:1824771054.8/3

+ sign -0.690+/-0.000 χ^2/NDF: 123341496667.3/20

All: -0.745+/-0.000 χ^2/NDF: 264460910409.2

- sign -0.800+/-0.000 χ^2/NDF: 139211518869.8/22

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:23449.9/4

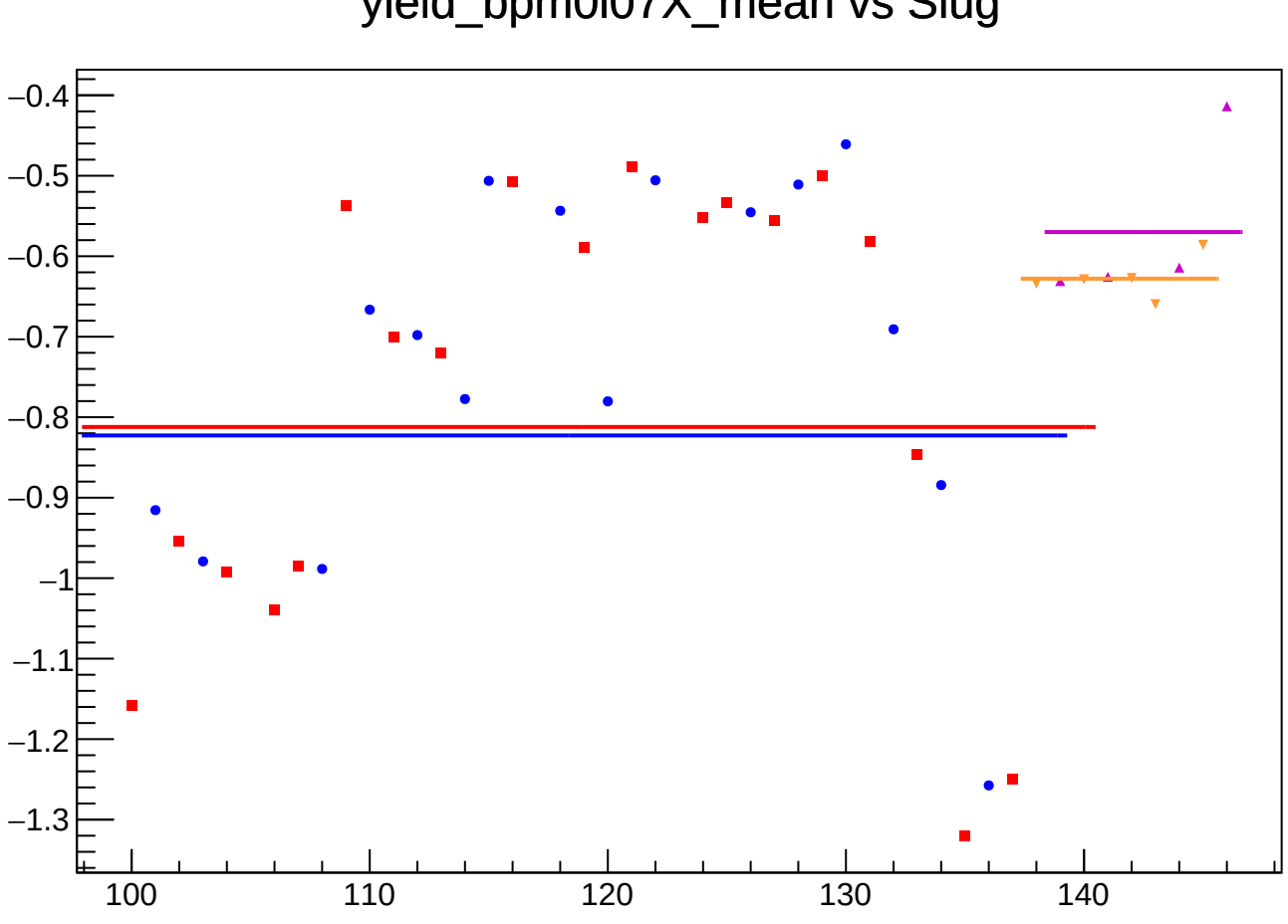
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:37905.5/3

+ sign 0.005+/-0.000 χ^2/NDF: 1556197.0/20

All: 0.005+/-0.000 χ^2/NDF: 2746172.5/43

- sign 0.005+/-0.000 χ^2/NDF: 1189301.8/22



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.628+/-0.000 χ^2/NDF:50941245.3/4

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

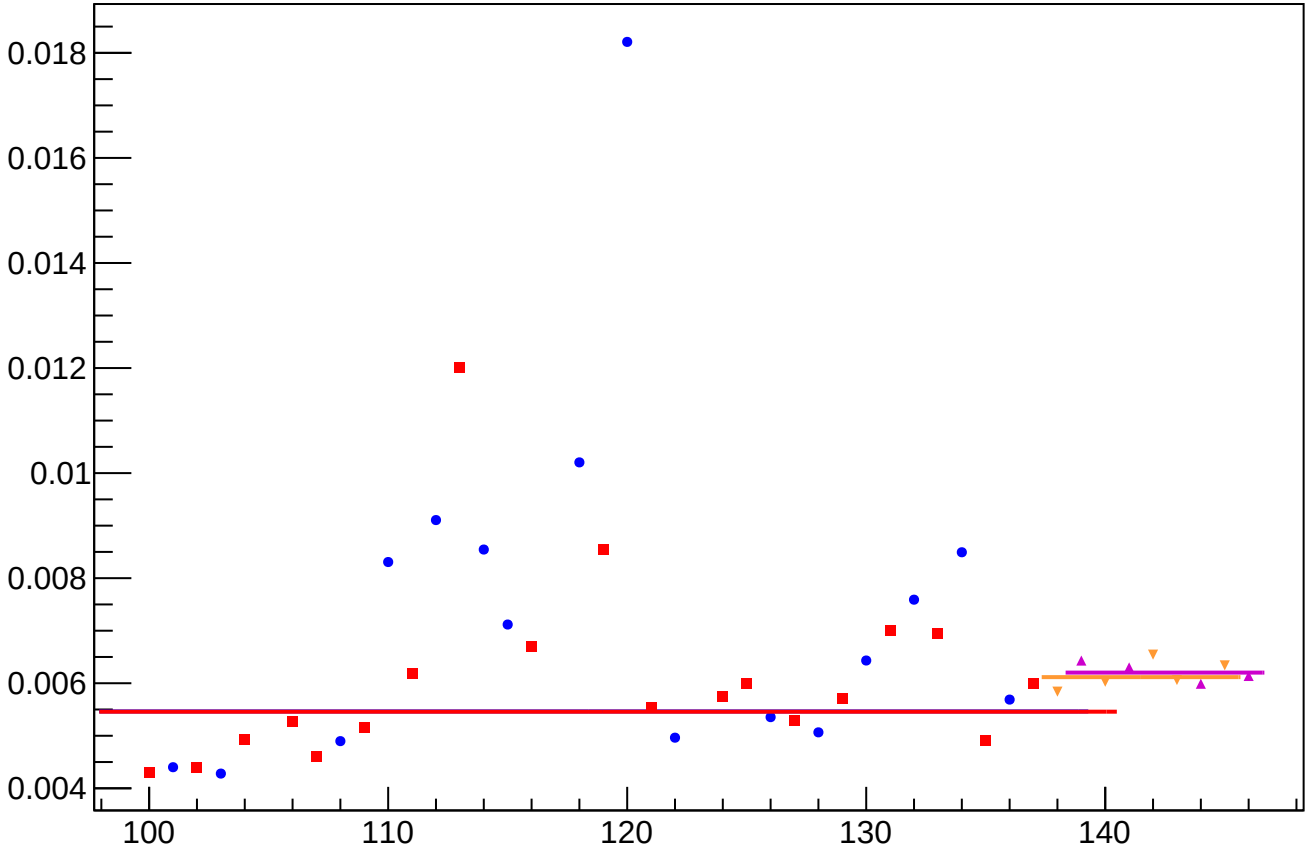
Left In: -0.570+/-0.000 χ^2/NDF:672064725.4/3

+ sign -0.761+/-0.000 χ^2/NDF: 14481144306.1/20

All: -0.752+/-0.000 χ^2/NDF: 33415907319.2/

- sign -0.743+/-0.000 χ^2/NDF: 18886479932.4/22

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:8387.6/4

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

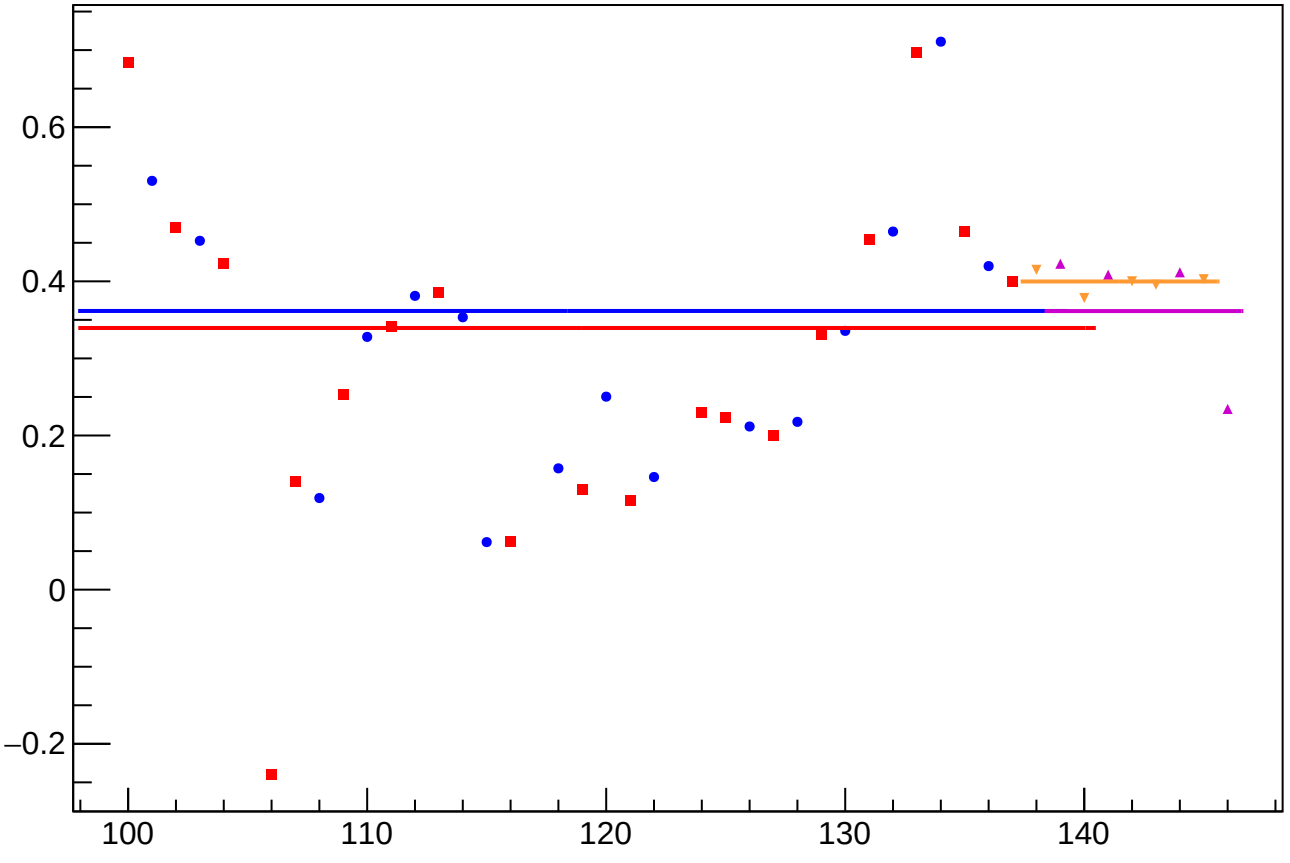
Left In: 0.006+/-0.000 χ^2/NDF:4446.7/3

+ sign 0.006+/-0.000 χ^2/NDF: 1019351.0/20

All: 0.006+/-0.000 χ^2/NDF: 1595578.7/43

- sign 0.006+/-0.000 χ^2/NDF: 576225.2/22

yield_bpm0i07Y_mean vs Slug



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.400+/-0.000 χ^2/NDF:24818486.3/4

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

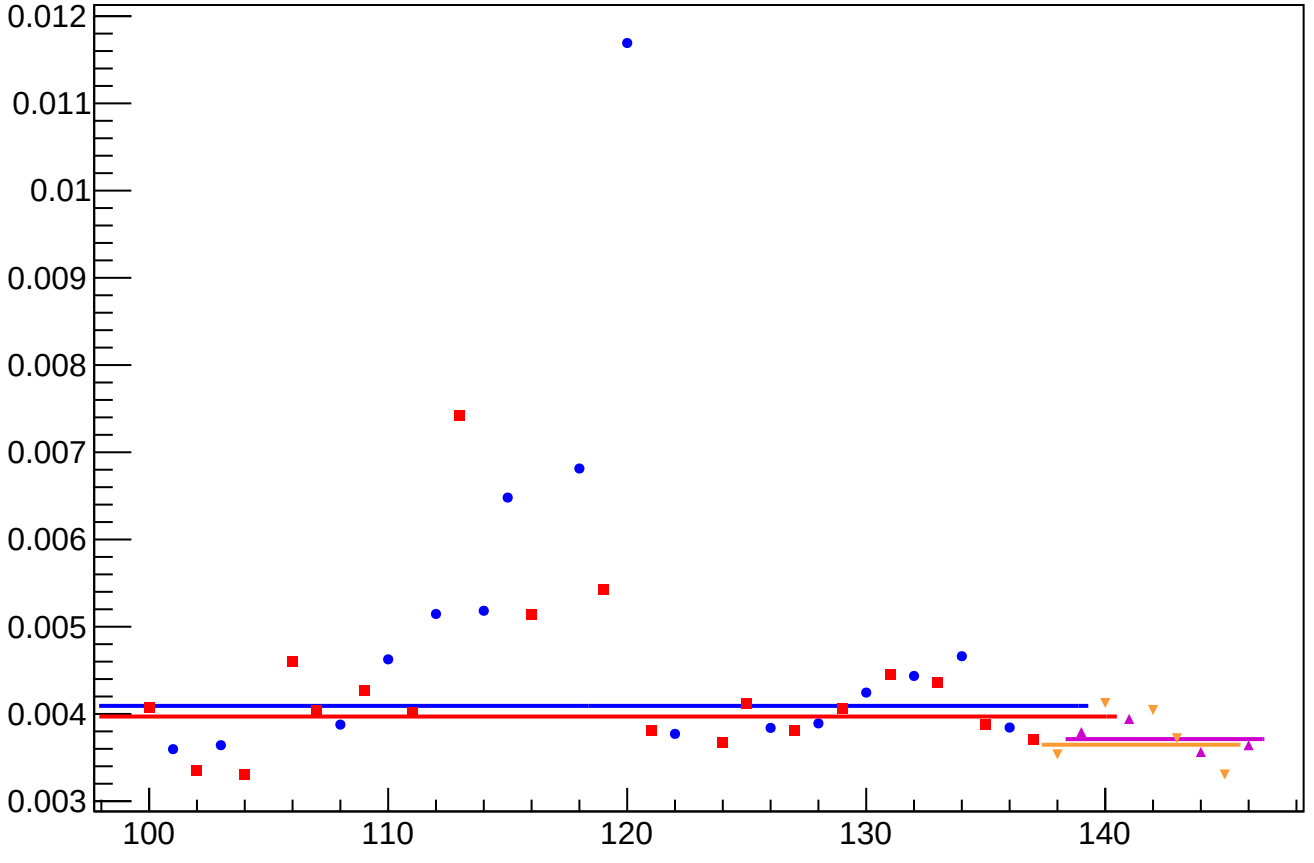
Left In: 0.361+/-0.000 χ^2/NDF:1187996519.3/3

+ sign 0.374+/-0.000 χ^2/NDF: 8980787110.9/20

All: 0.360+/-0.000 χ^2/NDF: 22526885898.3/4

- sign 0.346+/-0.000 χ^2/NDF: 13319216003.2/22

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:34298.0/4

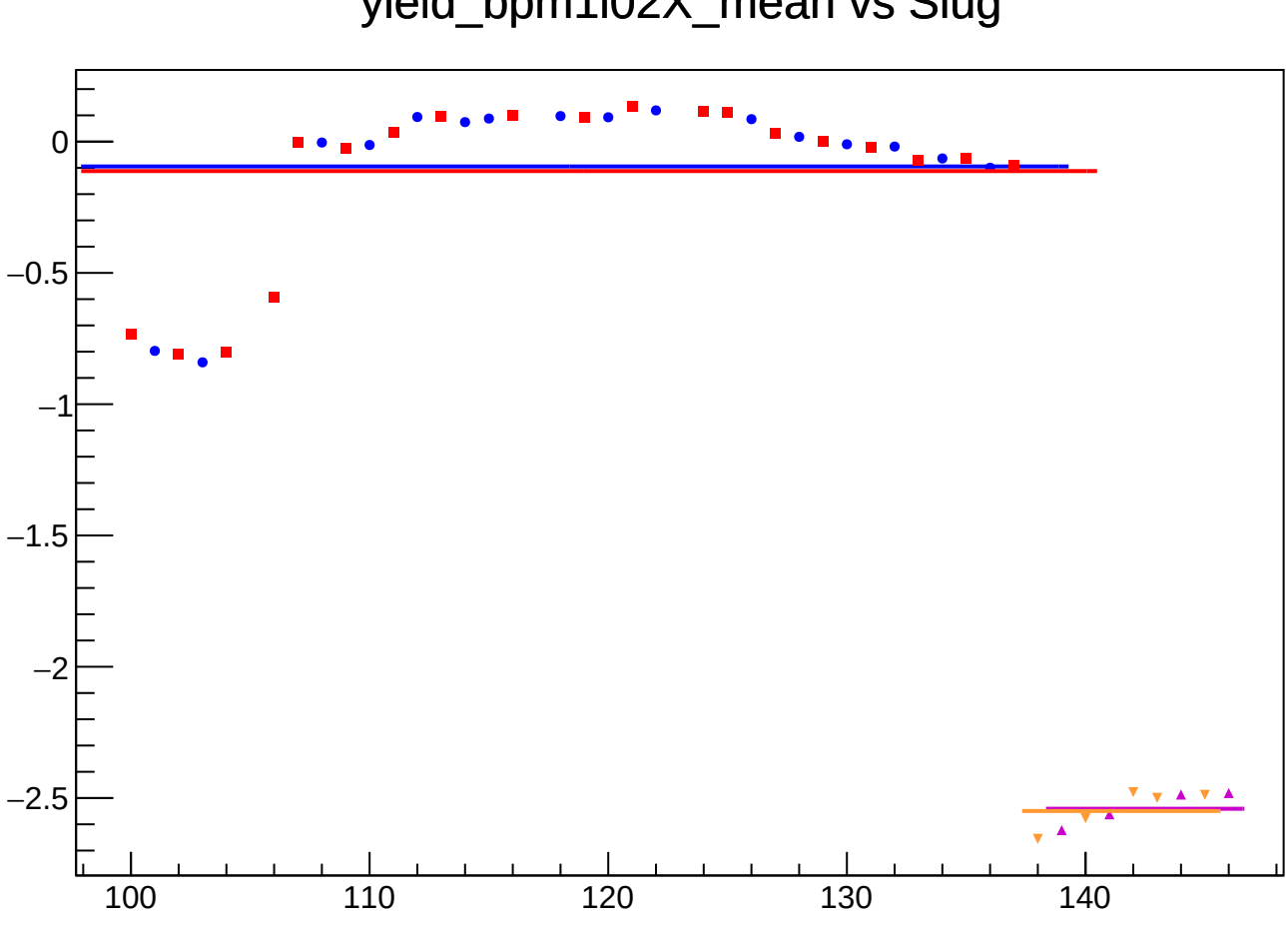
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:7029.3/3

+ sign 0.004+/-0.000 χ^2/NDF: 574872.5/20

All: 0.004+/-0.000 χ^2/NDF: 913544.6/43

- sign 0.004+/-0.000 χ^2/NDF: 337217.0/22



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.549+/-0.000 χ^2/NDF:89716942.5/4

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

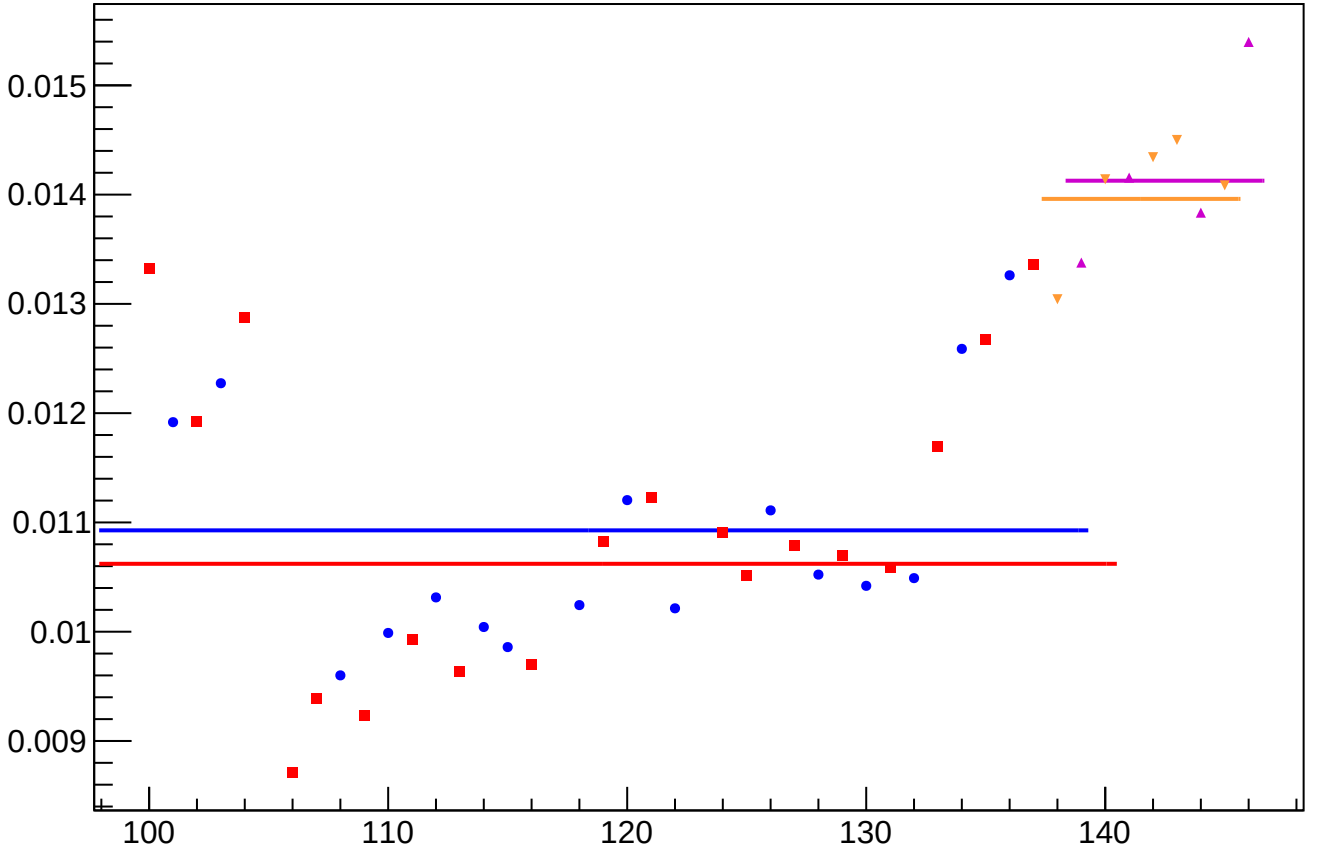
Left In: -2.541+/-0.000 χ^2/NDF:60309940.9/3

+ sign -0.681+/-0.000 χ^2/NDF: 91379303916.2/20

All: -0.652+/-0.000 χ^2/NDF: 179234797675.9

- sign -0.626+/-0.000 χ^2/NDF: 87734174355.8/22

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:10842.0/4

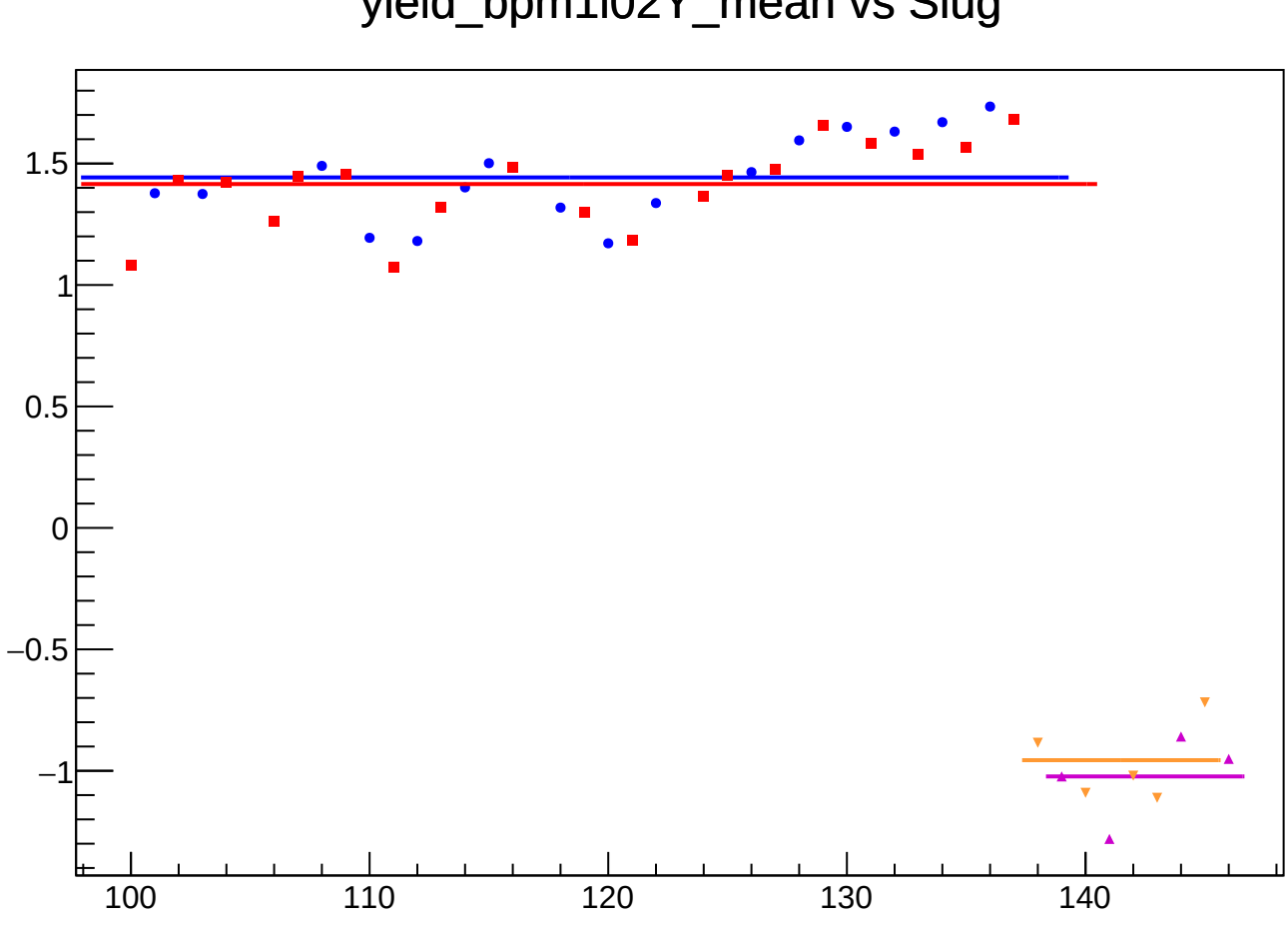
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.014+/-0.000 χ^2/NDF:18187.8/3

+ sign 0.012+/-0.000 χ^2/NDF: 409366.9/20

All: 0.012+/-0.000 χ^2/NDF: 964445.7/43

- sign 0.011+/-0.000 χ^2/NDF: 548353.4/22



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.956+/-0.000 χ^2/NDF:776769357.0/4

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

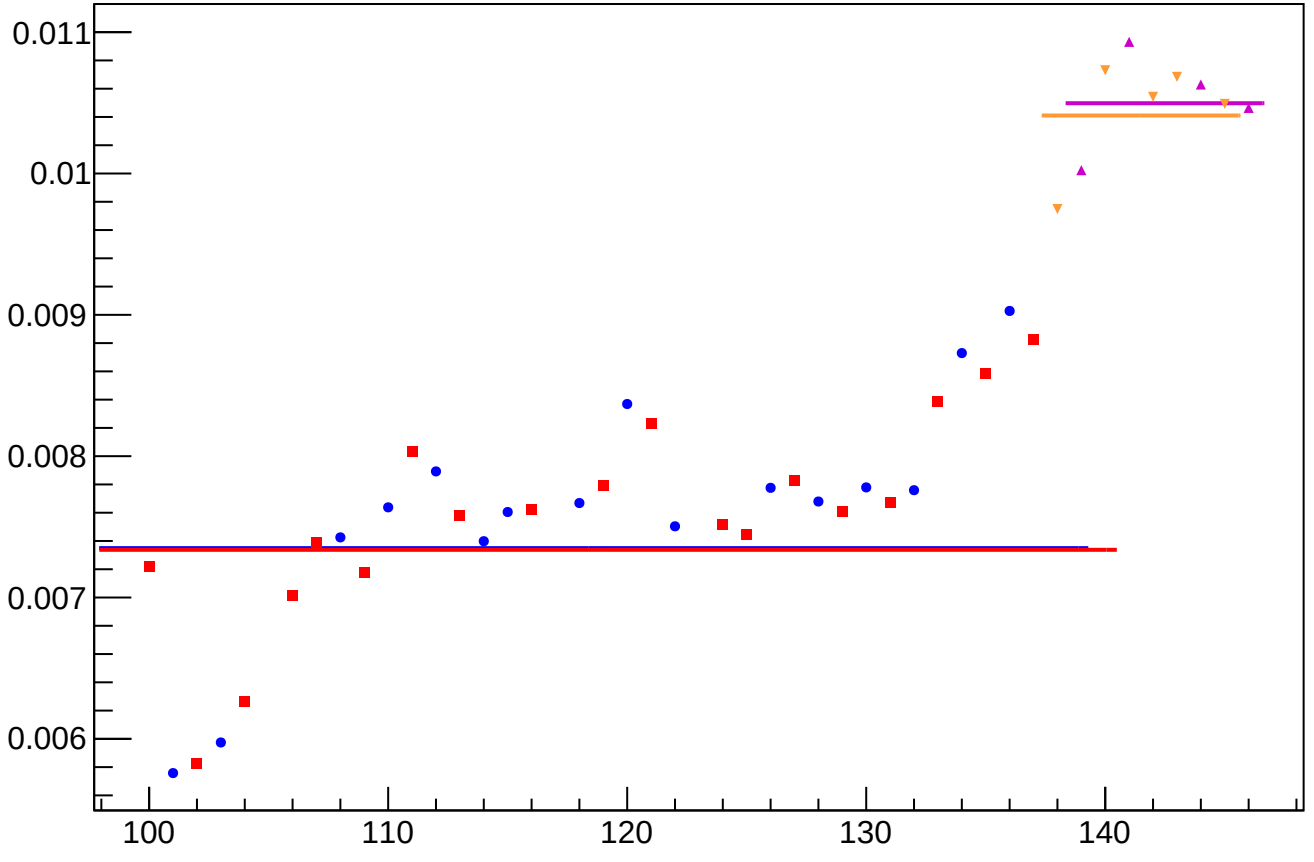
Left In: -1.023+/-0.000 χ^2/NDF:744487235.0/3

\+ sign 0.949+/-0.000 χ^2/NDF: 159356777818.1/20

All: 0.952+/-0.000 χ^2/NDF: 316689030801.6

\- sign 0.955+/-0.000 χ^2/NDF: 157329690607.7/22

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:9948.7/4

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

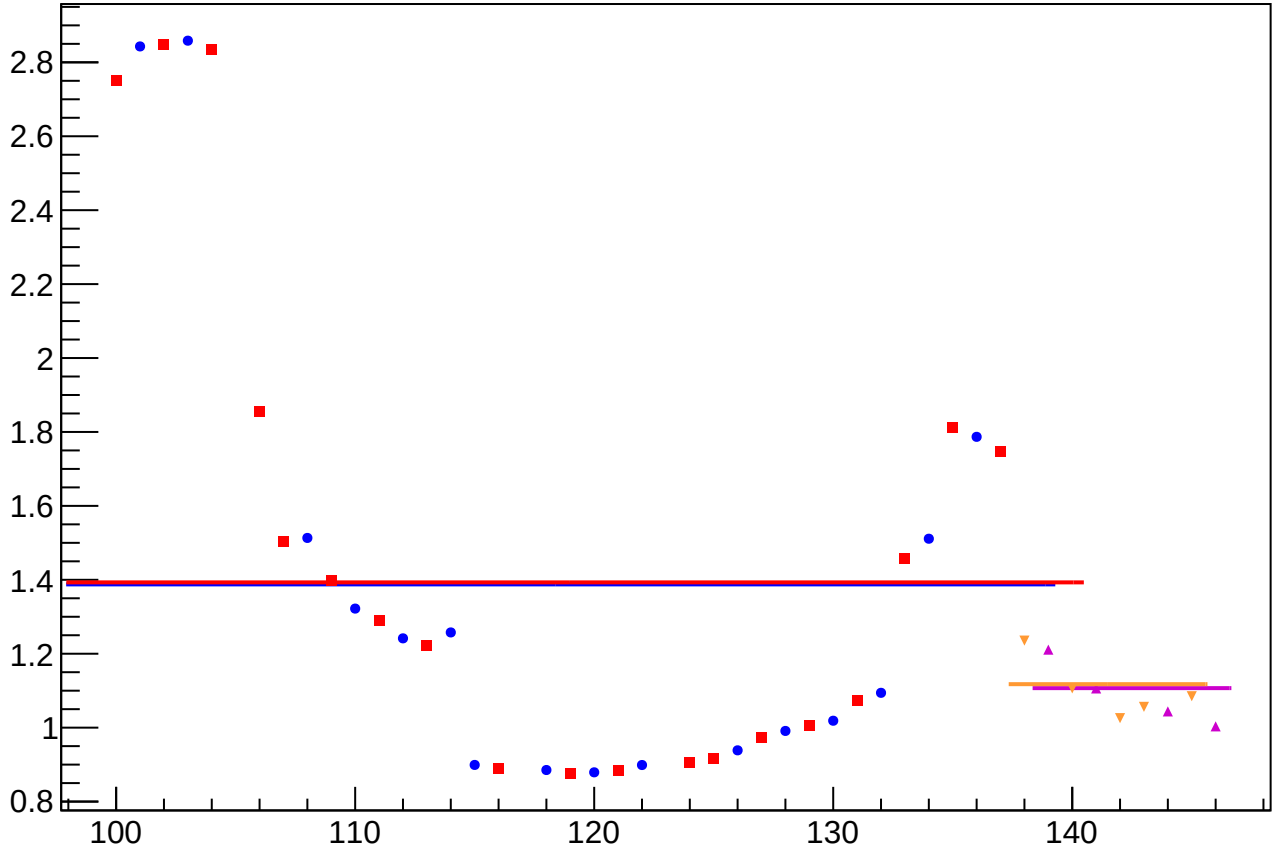
Left In: 0.010+/-0.000 χ^2/NDF:6852.6/3

+ sign 0.008+/-0.000 χ^2/NDF: 785003.8/20

All: 0.008+/-0.000 χ^2/NDF: 1503930.6/43

- sign 0.008+/-0.000 χ^2/NDF: 718594.5/22

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.118+/-0.000 χ^2/NDF:290887957.3/4

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

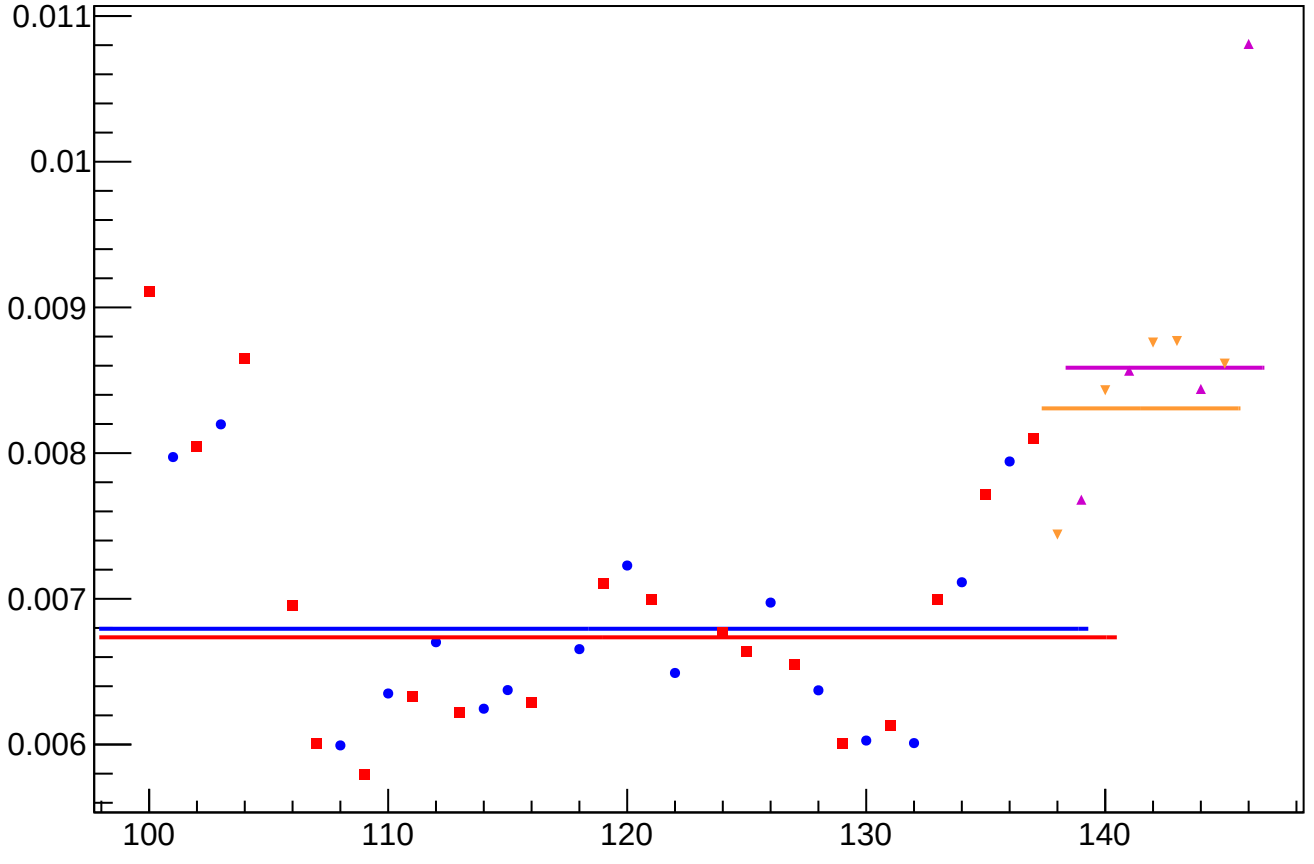
Left In: 1.107+/-0.000 χ^2/NDF:274588346.0/3

+ sign 1.320+/-0.000 χ^2/NDF: 61722959284.6/20

All: 1.325+/-0.000 χ^2/NDF: 120266122147.6

- sign 1.331+/-0.000 χ^2/NDF: 58530637213.2/22

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:29725.5/4

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

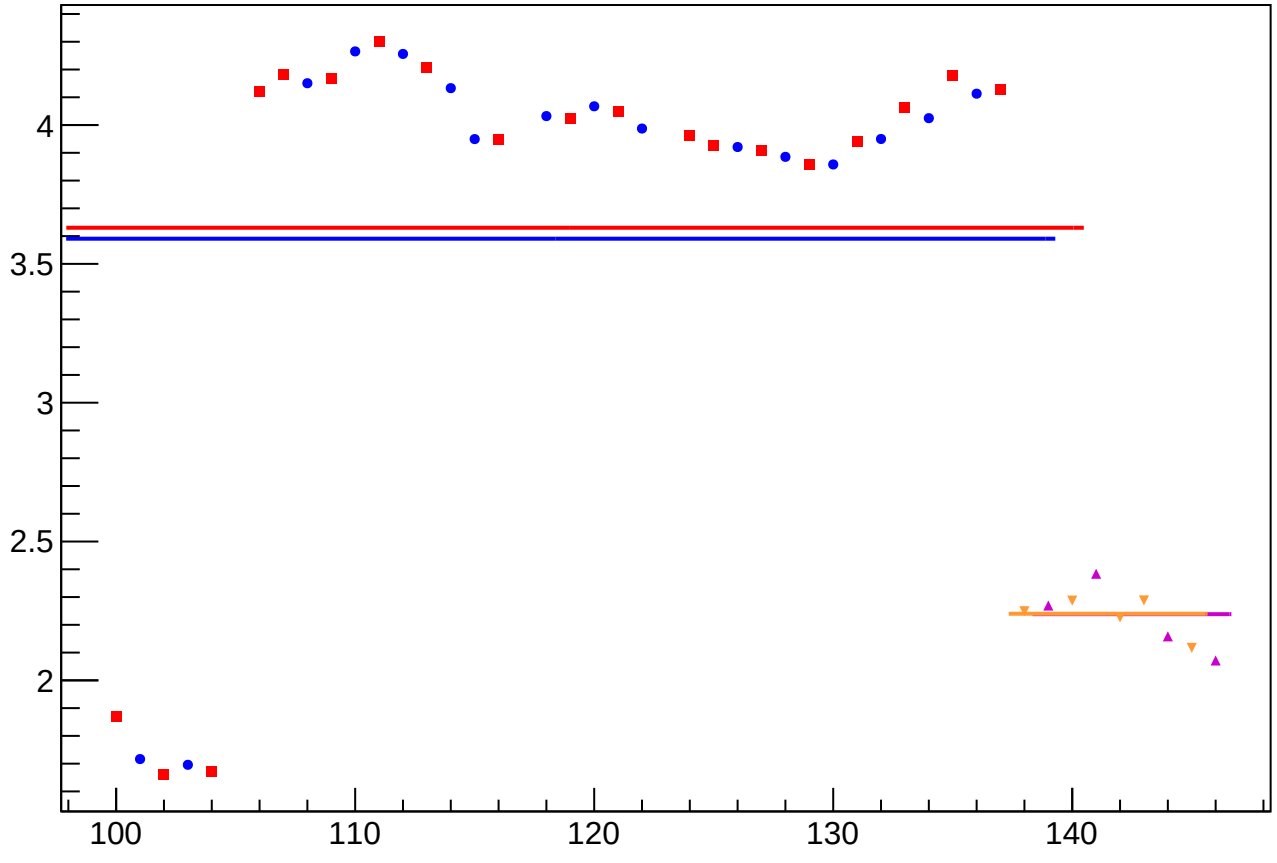
Left In: 0.009+/-0.000 χ^2/NDF:90075.7/3

+ sign 0.007+/-0.000 χ^2/NDF: 371233.6/20

All: 0.007+/-0.000 χ^2/NDF: 901887.6/43

- sign 0.007+/-0.000 χ^2/NDF: 530384.7/22

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.240+/-0.000 χ^2/NDF:247909191.2/4

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

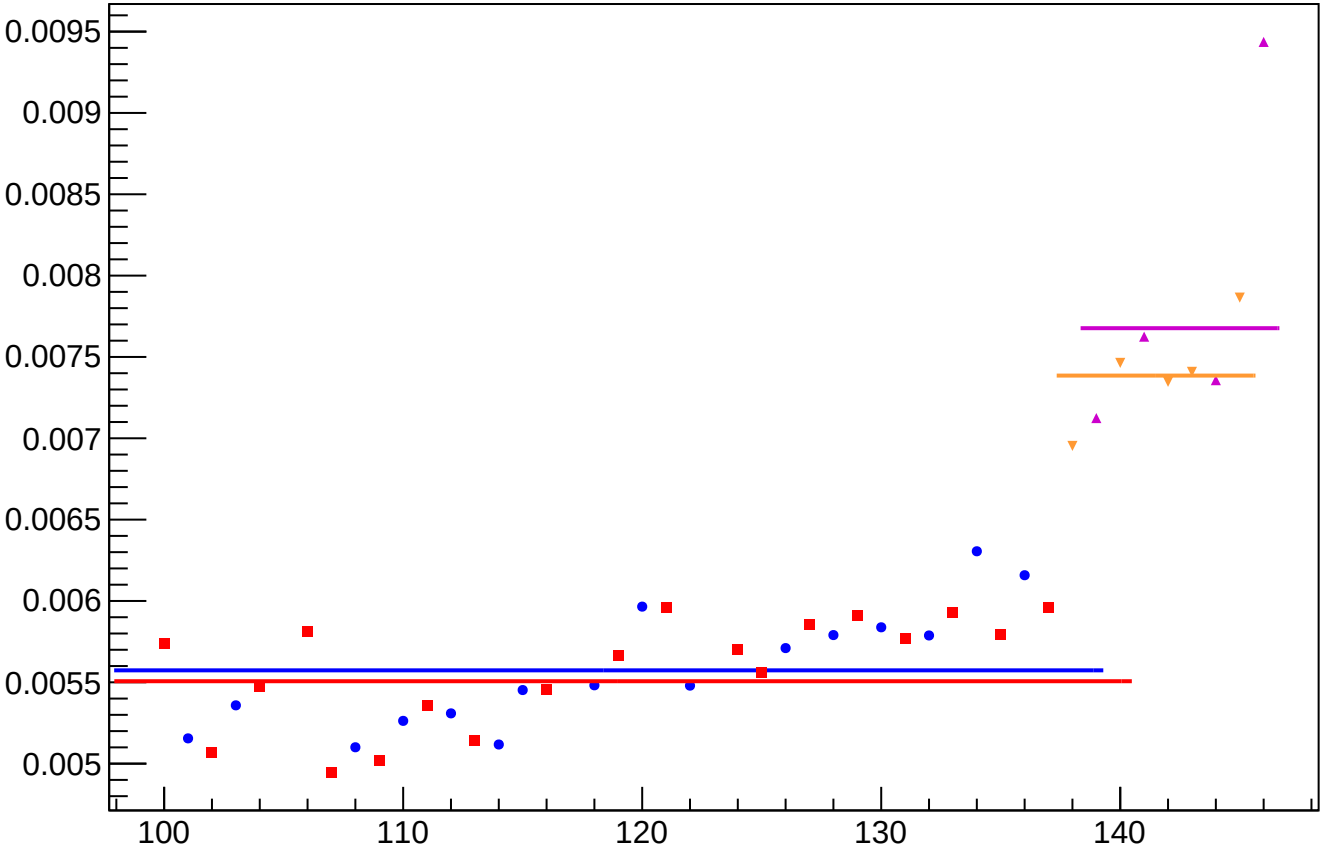
Left In: 2.238+/-0.000 χ^2/NDF:679491853.0/3

+ sign 3.293+/-0.000 χ^2/NDF: 295349219681.9/20

All: 3.329+/-0.000 χ^2/NDF: 598032763889.9

- sign 3.366+/-0.000 χ^2/NDF: 301889495674.6/22

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:11556.6/4

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

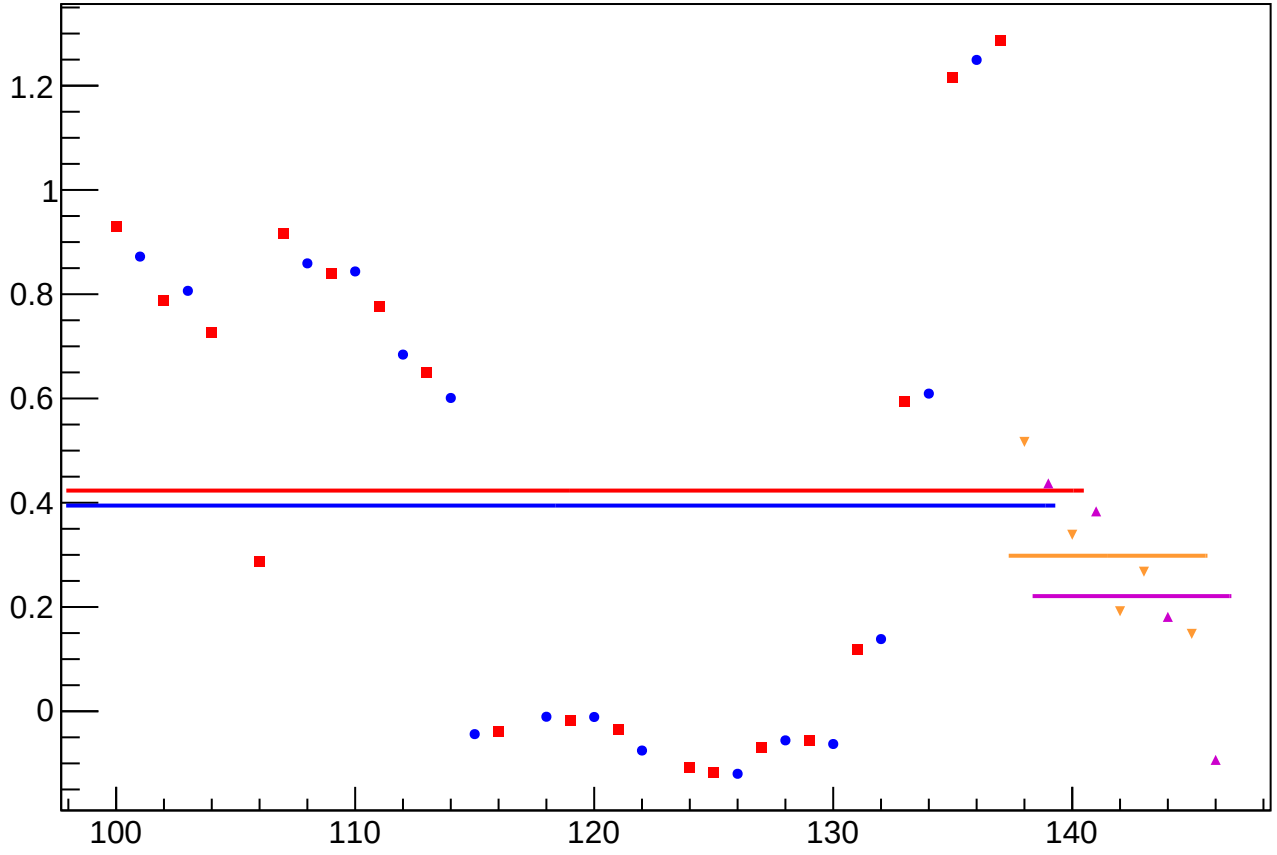
Left In: 0.008+/-0.000 χ^2/NDF:66675.0/3

+ sign 0.006+/-0.000 χ^2/NDF: 405051.2/20

All: 0.006+/-0.000 χ^2/NDF: 960968.1/43

- sign 0.006+/-0.000 χ^2/NDF: 555035.9/22

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.298+/-0.000 χ^2/NDF:246814364.5/4

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

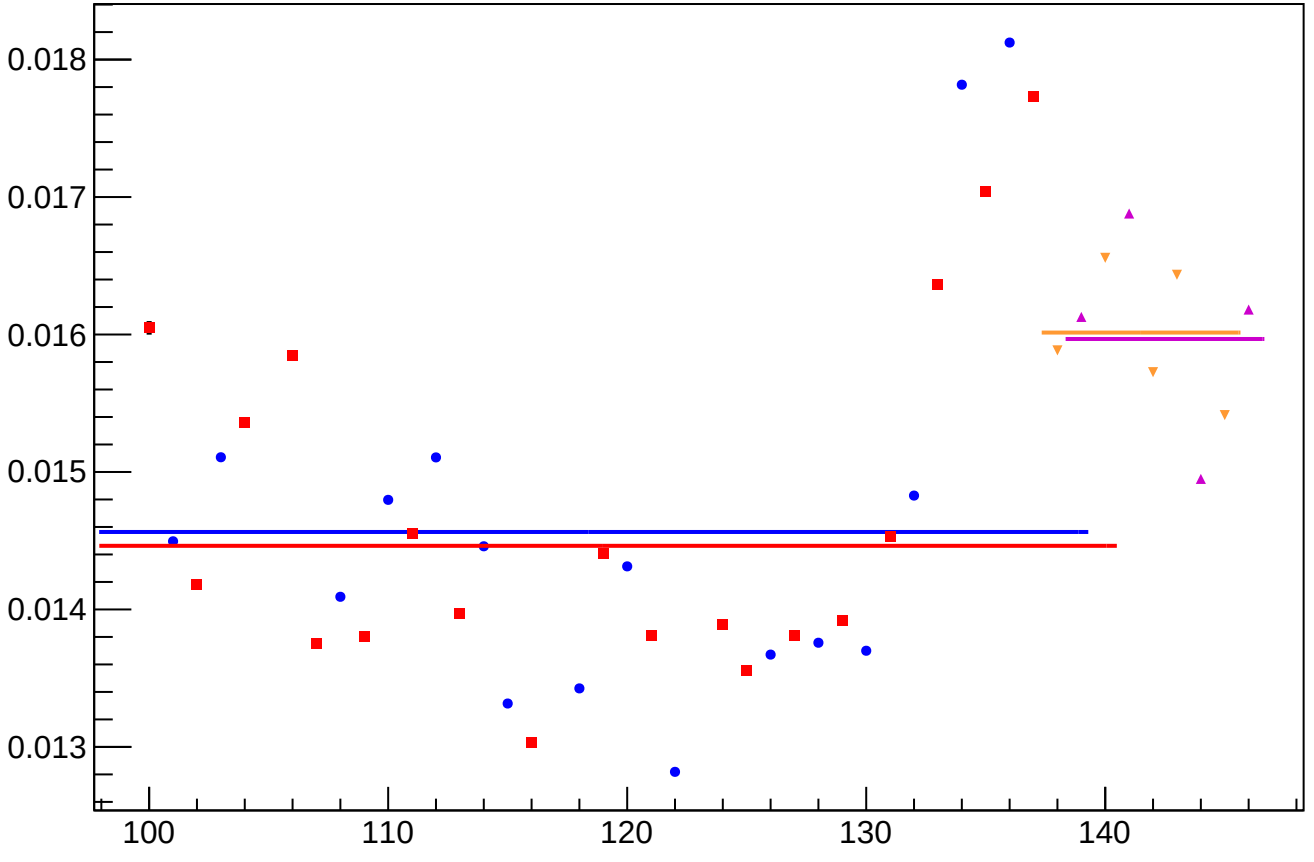
Left In: 0.221+/-0.000 χ^2/NDF:566340624.0/3

+ sign 0.366+/-0.000 χ^2/NDF: 7751443894.8/20

All: 0.366+/-0.000 χ^2/NDF: 15622948917.7/4

- sign 0.366+/-0.000 χ^2/NDF: 7871499505.7/22

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:5661.2/4

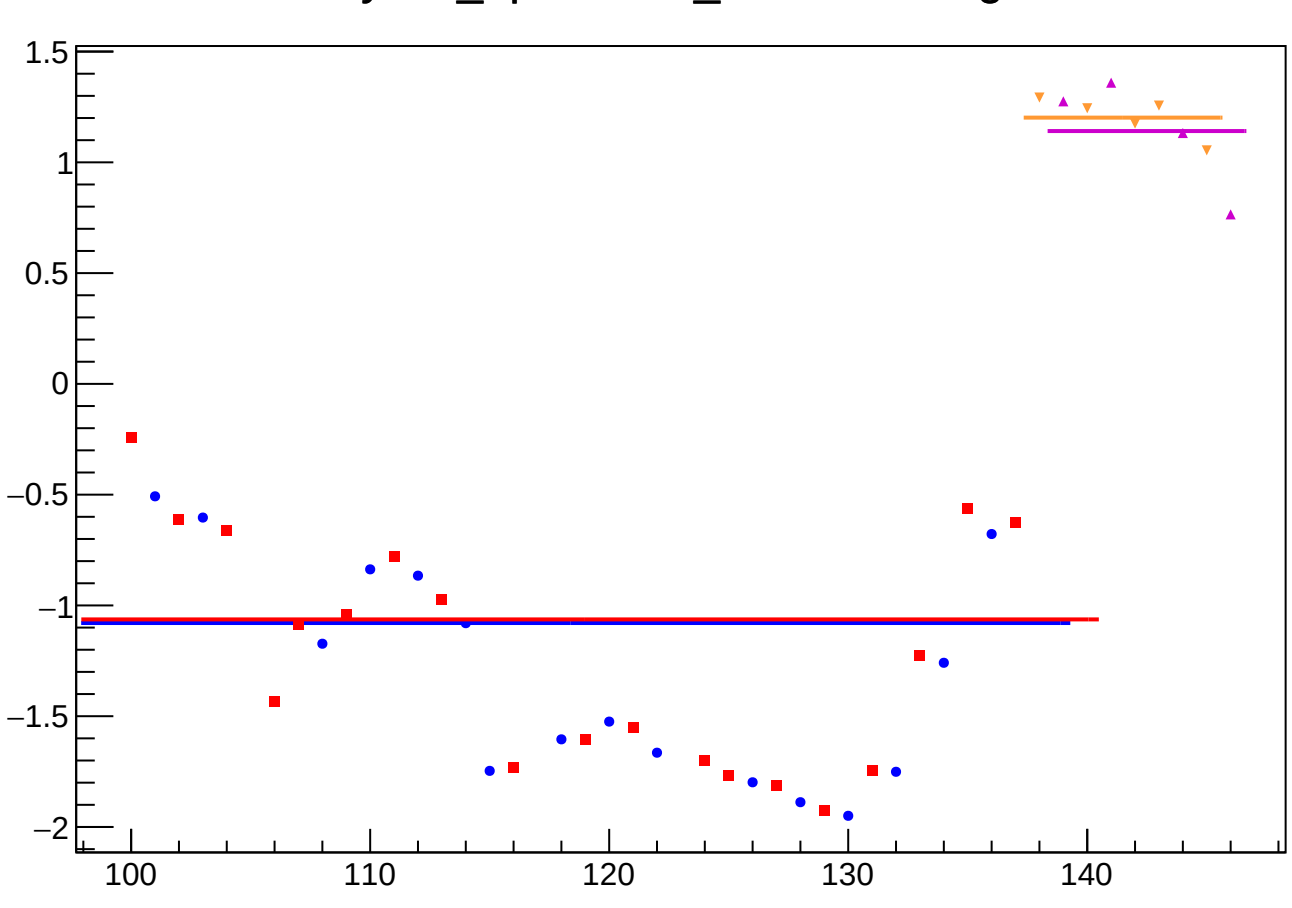
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:13856.0/3

+ sign 0.015+/-0.000 χ^2/NDF: 180659.6/20

All: 0.015+/-0.000 χ^2/NDF: 316801.0/43

- sign 0.015+/-0.000 χ^2/NDF: 135569.0/22



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.202+/-0.000 χ^2/NDF:1880484742.8/4

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

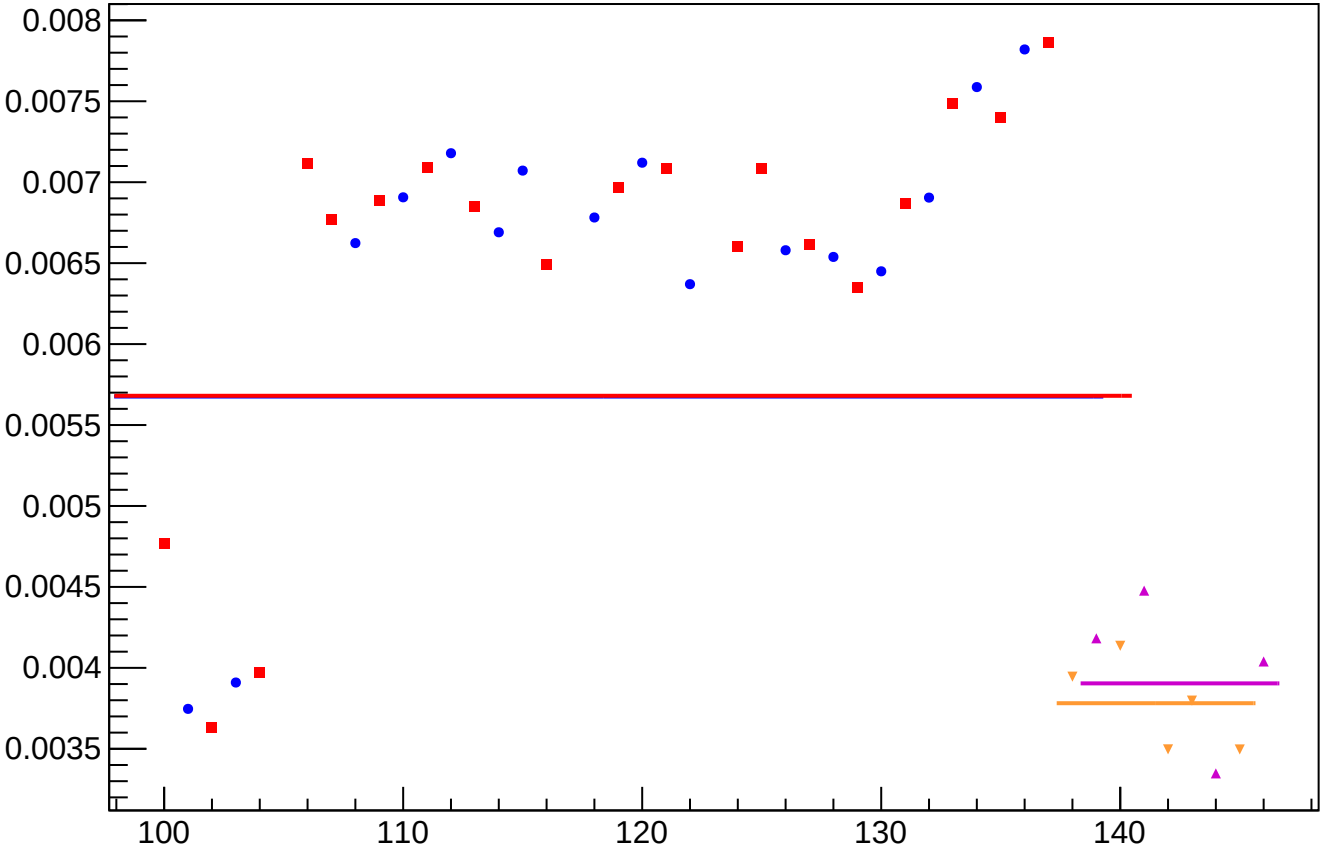
Left In: 1.141+/-0.000 χ^2/NDF:8279303864.6/3

+ sign 0.163+/-0.000 χ^2/NDF: 621786171469.0/20

All: 0.105+/-0.000 χ^2/NDF: 1170000159108.

- sign 0.043+/-0.000 χ^2/NDF: 545184810811.5/22

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:28833.2/4

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

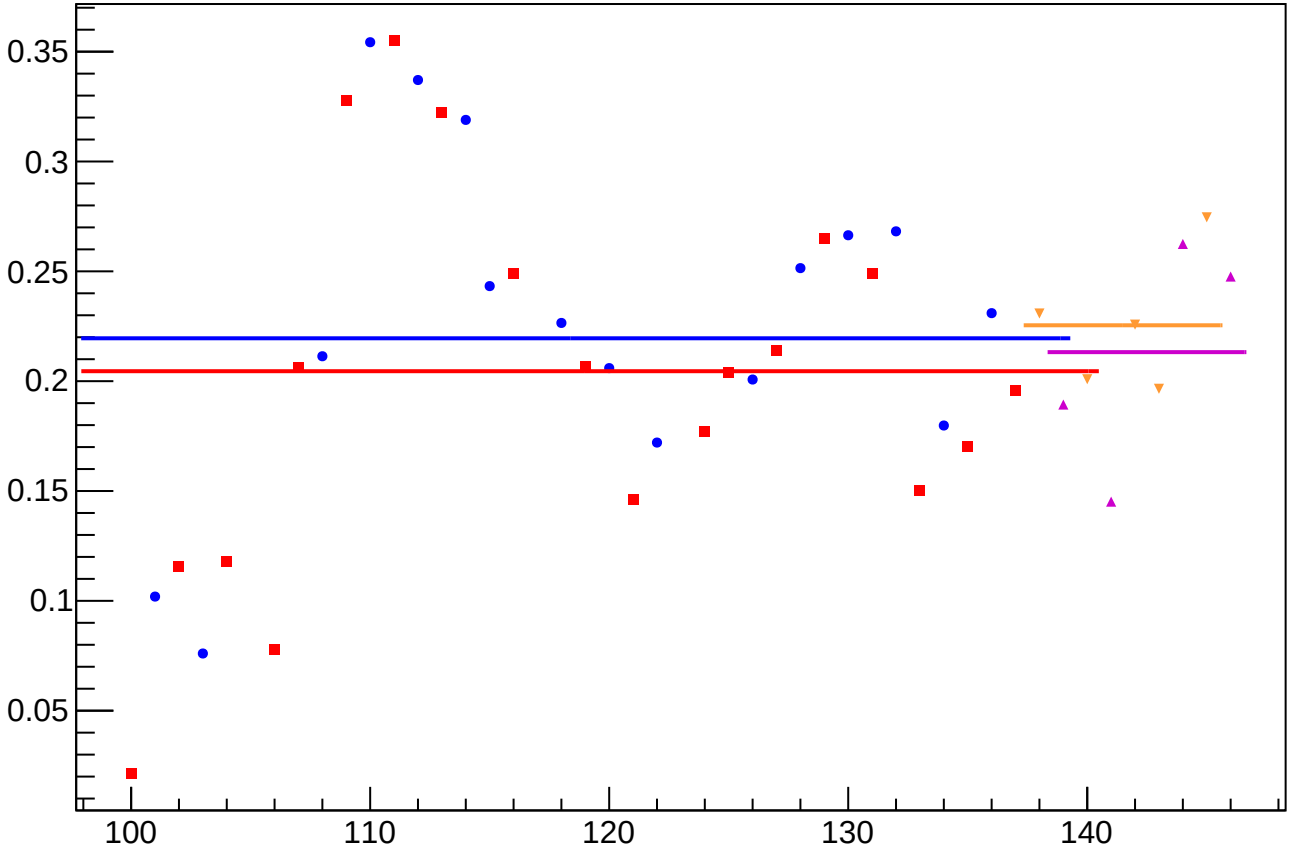
Left In: 0.004+/-0.000 χ^2/NDF:82199.8/3

+ sign 0.005+/-0.000 χ^2/NDF: 1746217.4/20

All: 0.005+/-0.000 χ^2/NDF: 3450372.6/43

- sign 0.005+/-0.000 χ^2/NDF: 1695350.0/22

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.225+/-0.000 χ^2/NDF:1683492985.5/4

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

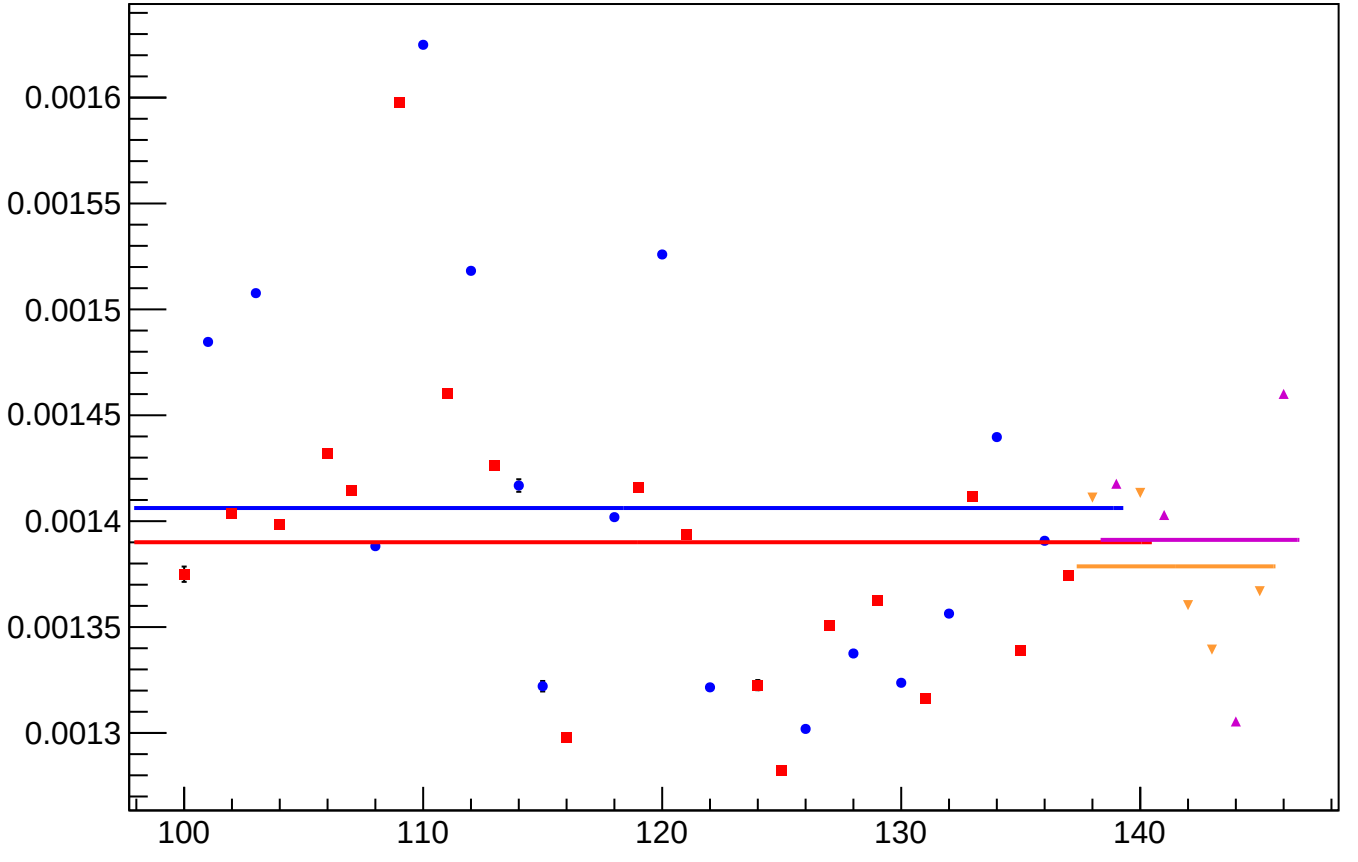
Left In: 0.213+/-0.000 χ^2/NDF:4079681632.6/3

+ sign 0.222+/-0.000 χ^2/NDF: 18456846287.3/20

All: 0.214+/-0.000 χ^2/NDF: 4550398620 1.0/4

- sign 0.207+/-0.000 χ^2/NDF: 26484369145.7/22

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:3503.3/4

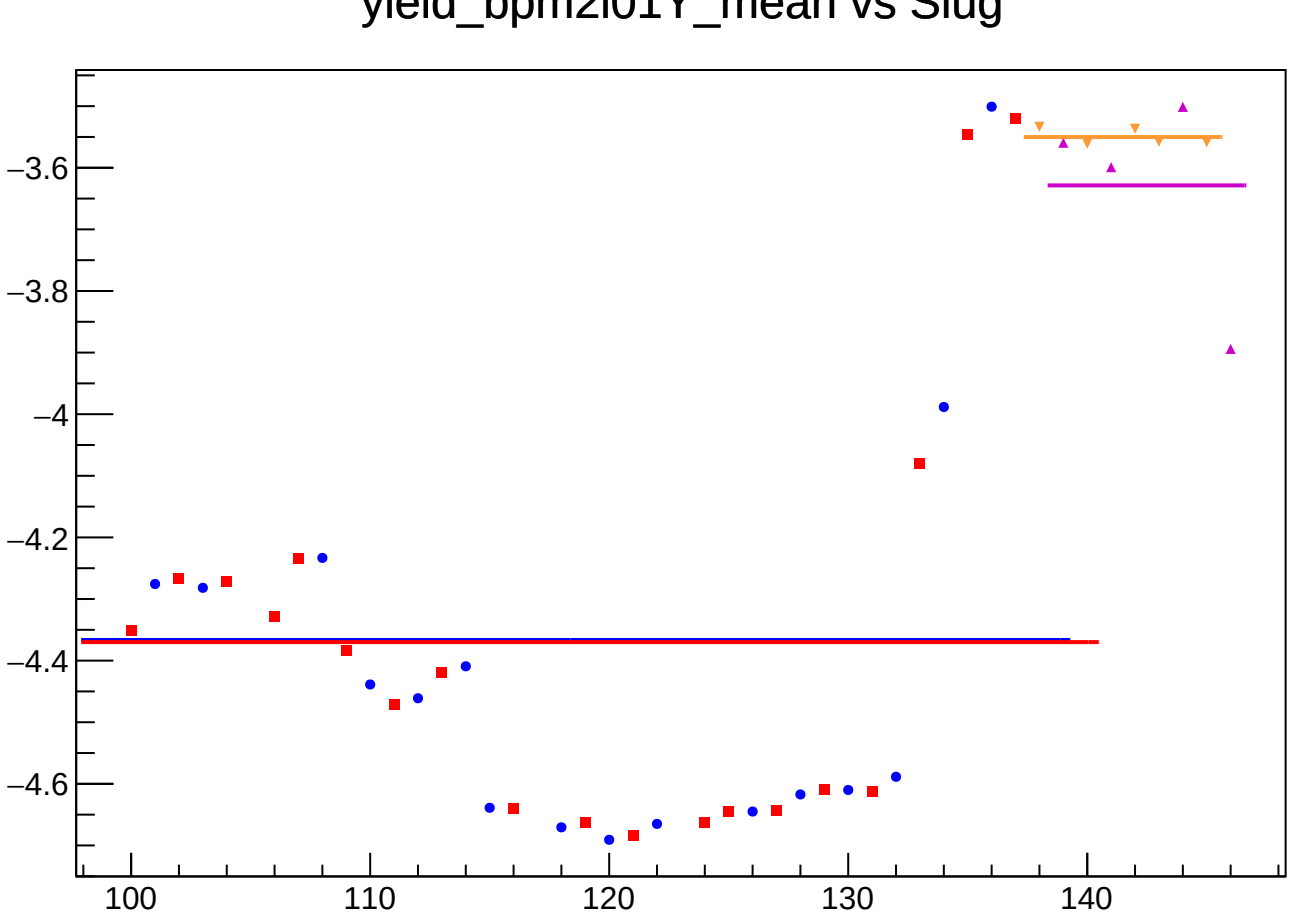
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:12437.5/3

+ sign 0.001+/-0.000 χ^2/NDF: 53592.4/20

All: 0.001+/-0.000 χ^2/NDF: 101020.0/43

- sign 0.001+/-0.000 χ^2/NDF: 47227.4/22



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.550+/-0.000 χ^2/NDF:157958390.4/4

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

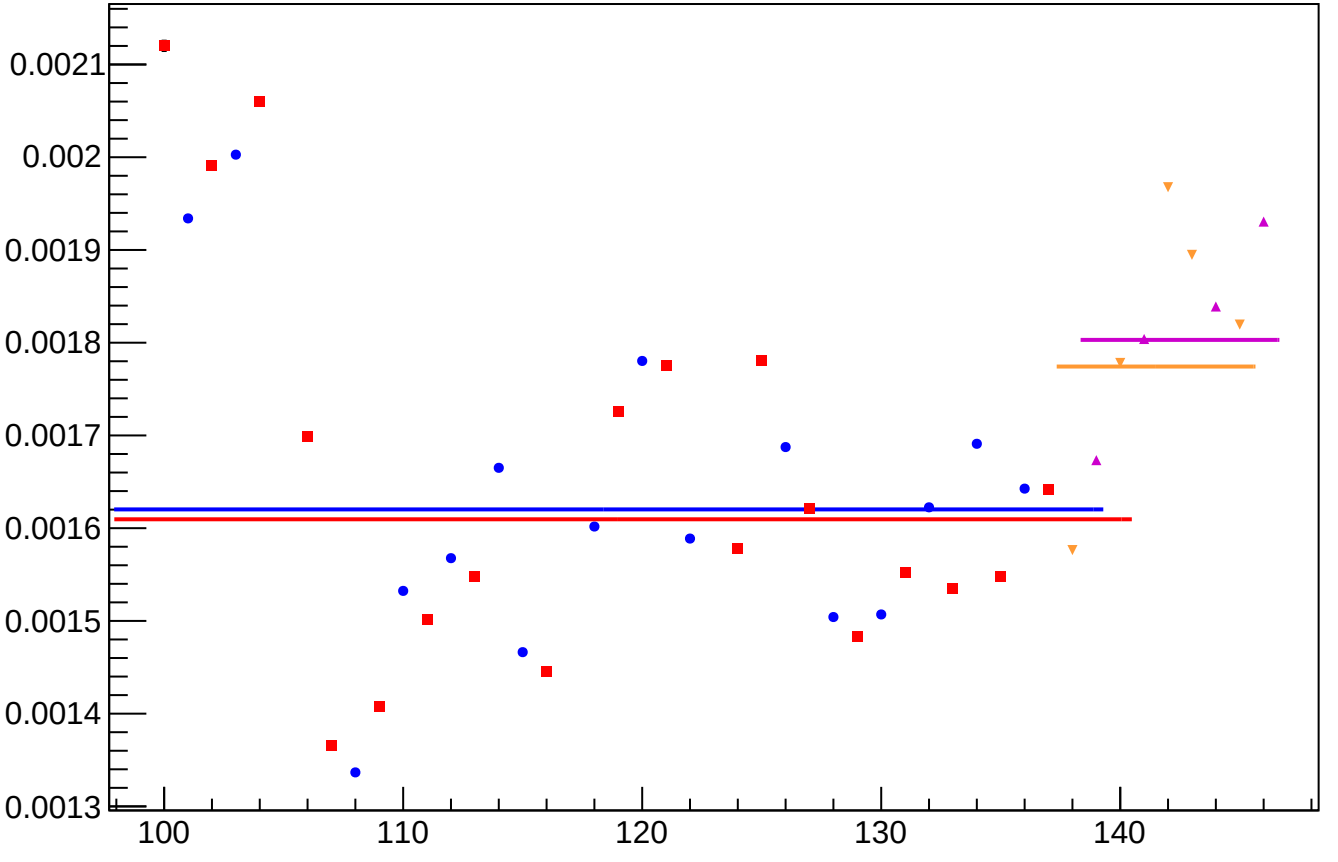
Left In: -3.629+/-0.000 χ^2/NDF:21363728143.5/3

+ sign -4.127+/-0.000 χ^2/NDF: 866058848409.6/20

All: -4.148+/-0.000 χ^2/NDF: 1596130412917

- sign -4.169+/-0.000 χ^2/NDF: 726700639729.6/22

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:37929.0/4

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

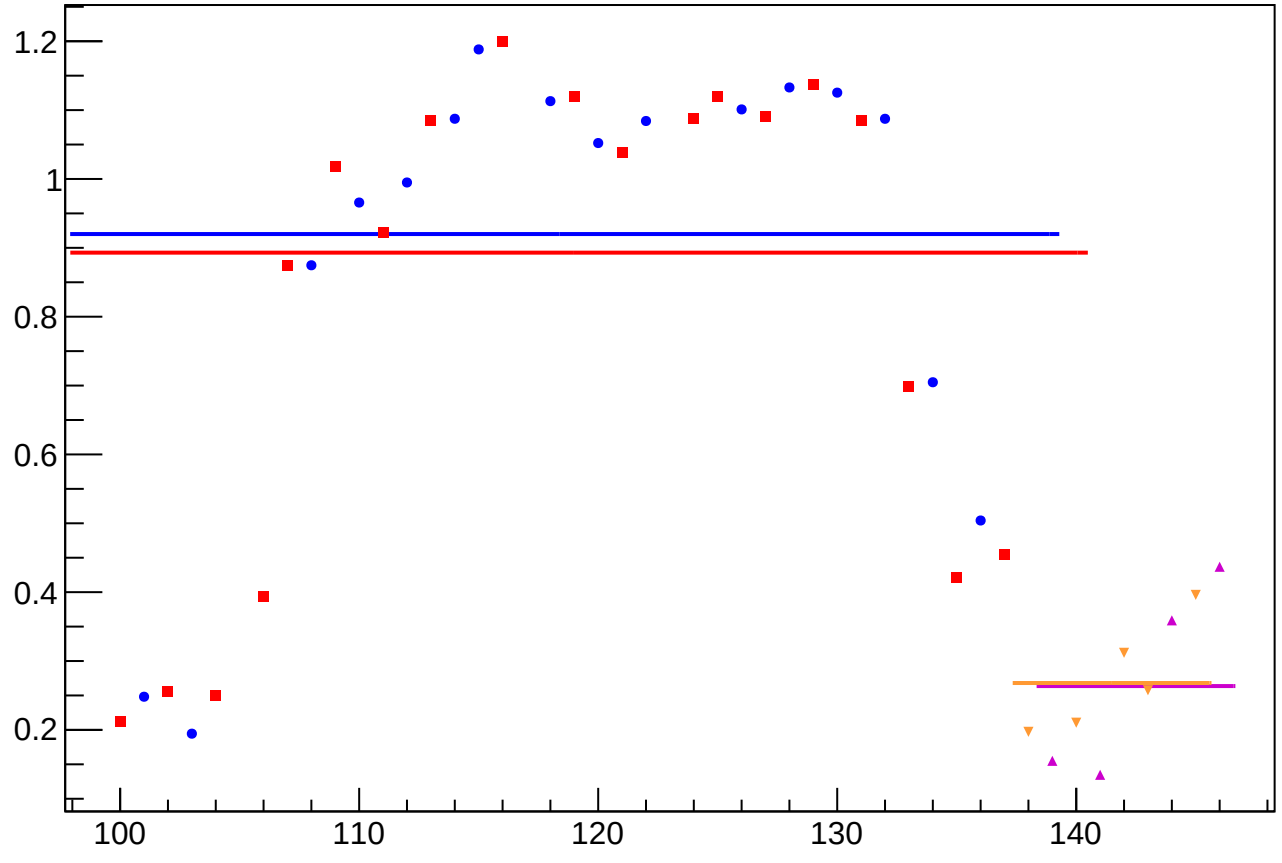
Left In: 0.002+/-0.000 χ^2/NDF:17671.2/3

+ sign 0.002+/-0.000 χ^2/NDF: 214666.0/20

All: 0.002+/-0.000 χ^2/NDF: 473076.7/43

- sign 0.002+/-0.000 χ^2/NDF: 258364.5/22

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.268+/-0.000 χ^2/NDF:280678939.9/4

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

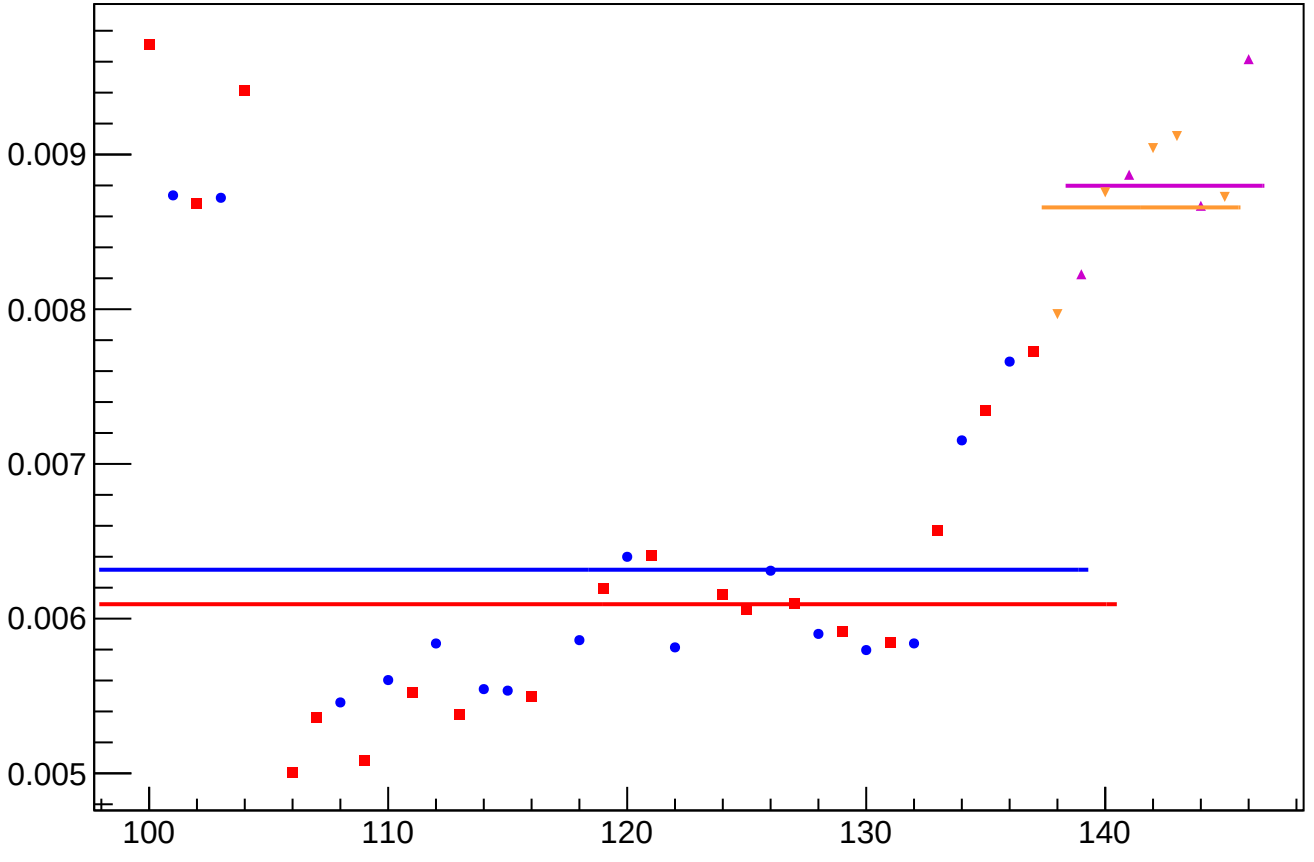
Left In: 0.264+/-0.000 χ^2/NDF:728902401.4/3

+ sign 0.779+/-0.000 χ^2/NDF: 31017834198.6/20

All: 0.777+/-0.000 χ^2/NDF: 63909191406.1/4

- sign 0.775+/-0.000 χ^2/NDF: 32889545528.0/22

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:17475.3/4

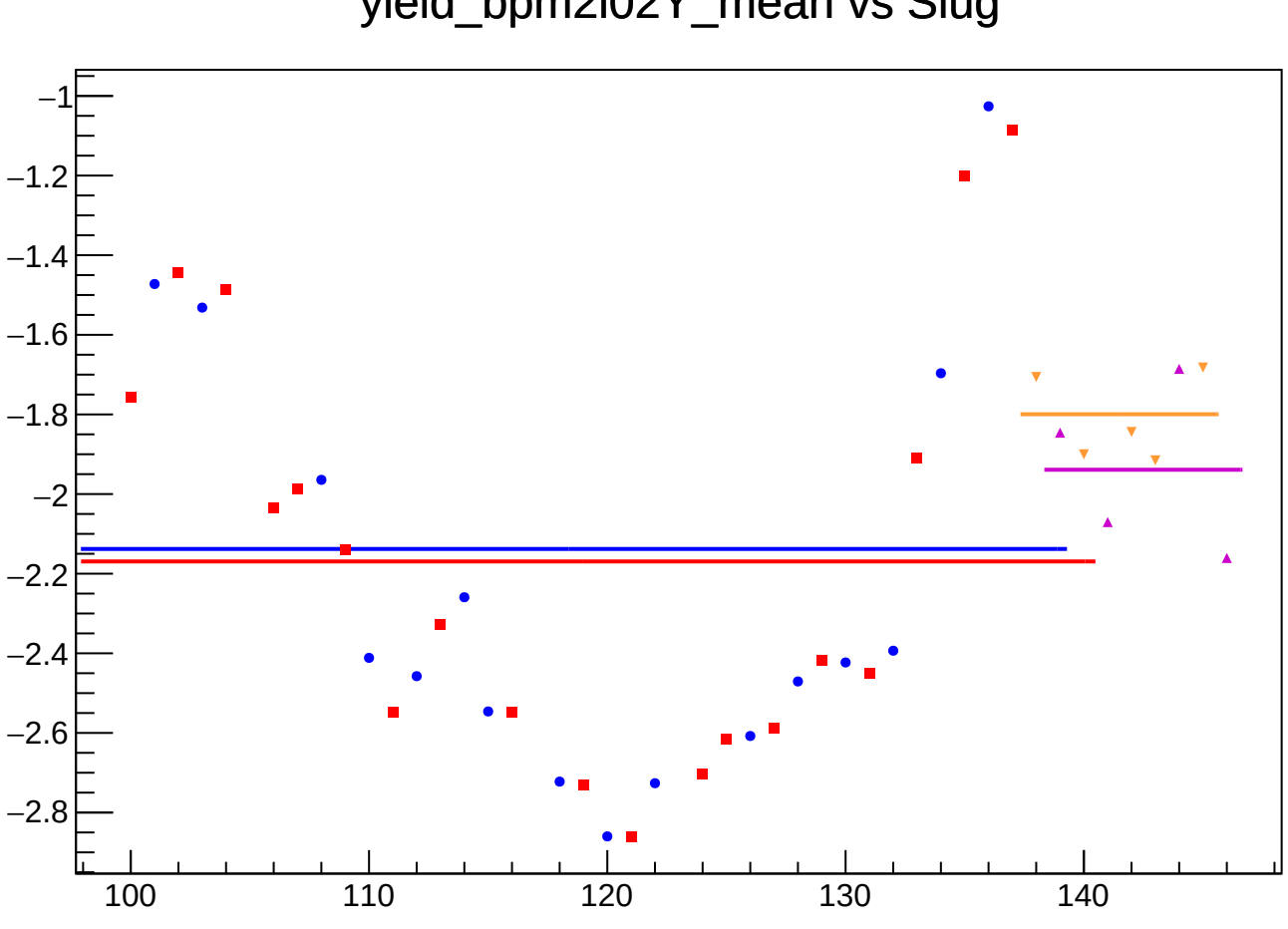
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:21513.1/3

+ sign 0.007+/-0.000 χ^2/NDF: 770552.8/20

All: 0.007+/-0.000 χ^2/NDF: 1775805.3/43

- sign 0.007+/-0.000 χ^2/NDF: 993769.7/22



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.800+/-0.000 χ^2/NDF:664397721.4/4

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

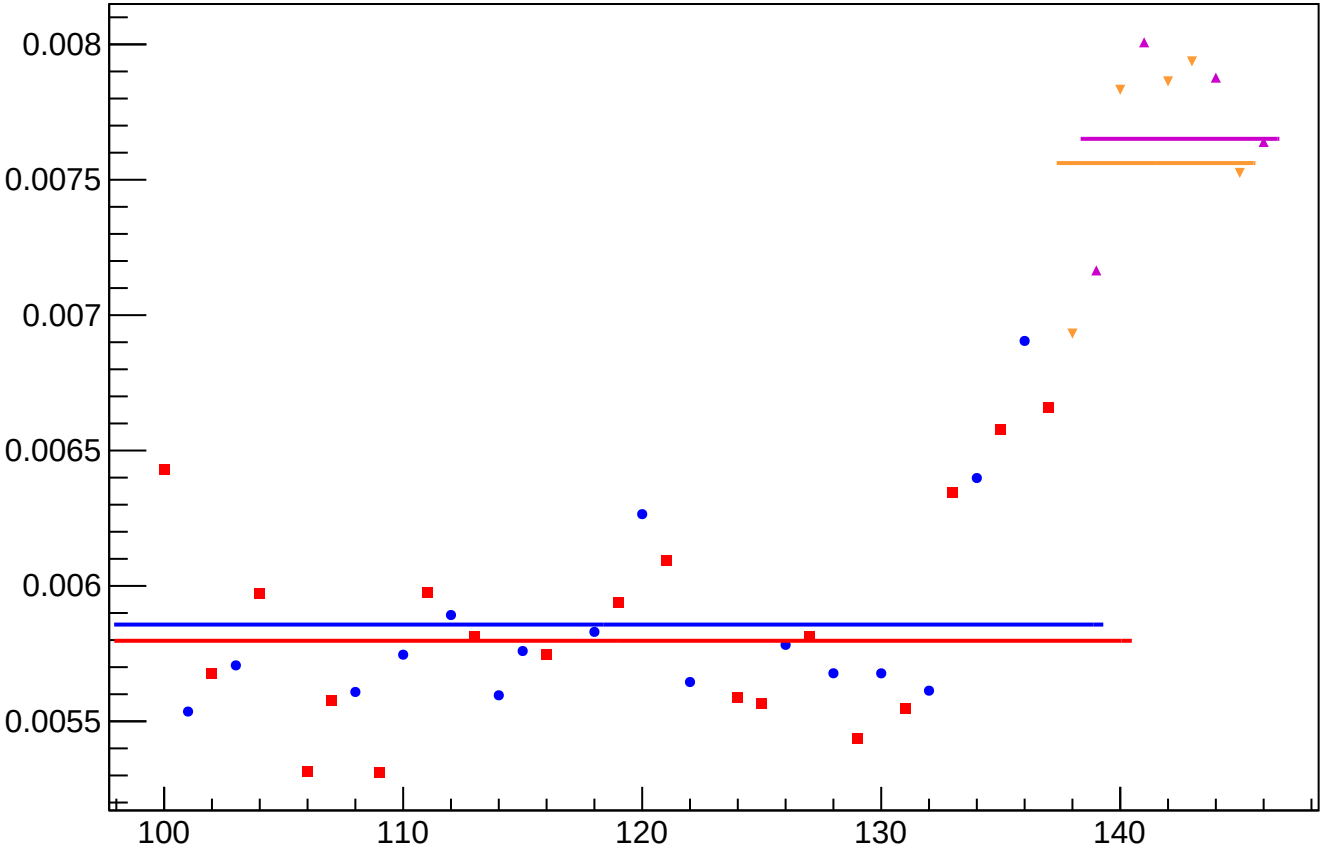
Left In: -1.939+/-0.000 χ^2/NDF:2063577271.9/3

+ sign -2.059+/-0.000 χ^2/NDF: 71955314181.1/20

All: -2.090+/-0.000 χ^2/NDF: 134462594597.8

- sign -2.120+/-0.000 χ^2/NDF: 61979717738.3/22

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.008+/-0.000 χ^2/NDF:19780.9/4

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

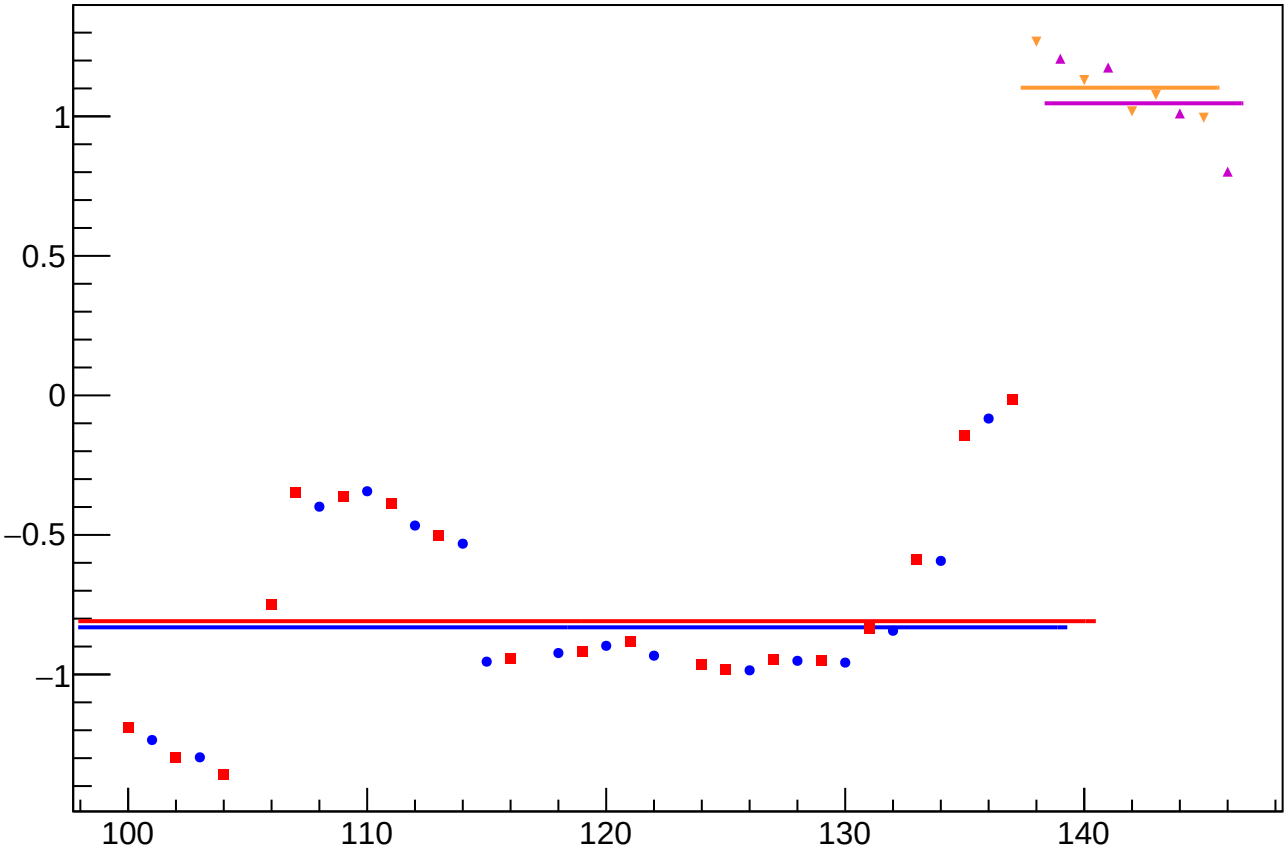
Left In: 0.008+/-0.000 χ^2/NDF:12750.1/3

+ sign 0.006+/-0.000 χ^2/NDF: 367187.9/20

All: 0.006+/-0.000 χ^2/NDF: 762162.4/43

- sign 0.006+/-0.000 χ^2/NDF: 393815.4/22

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.103+/-0.000 χ^2/NDF:222477327.2/4

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

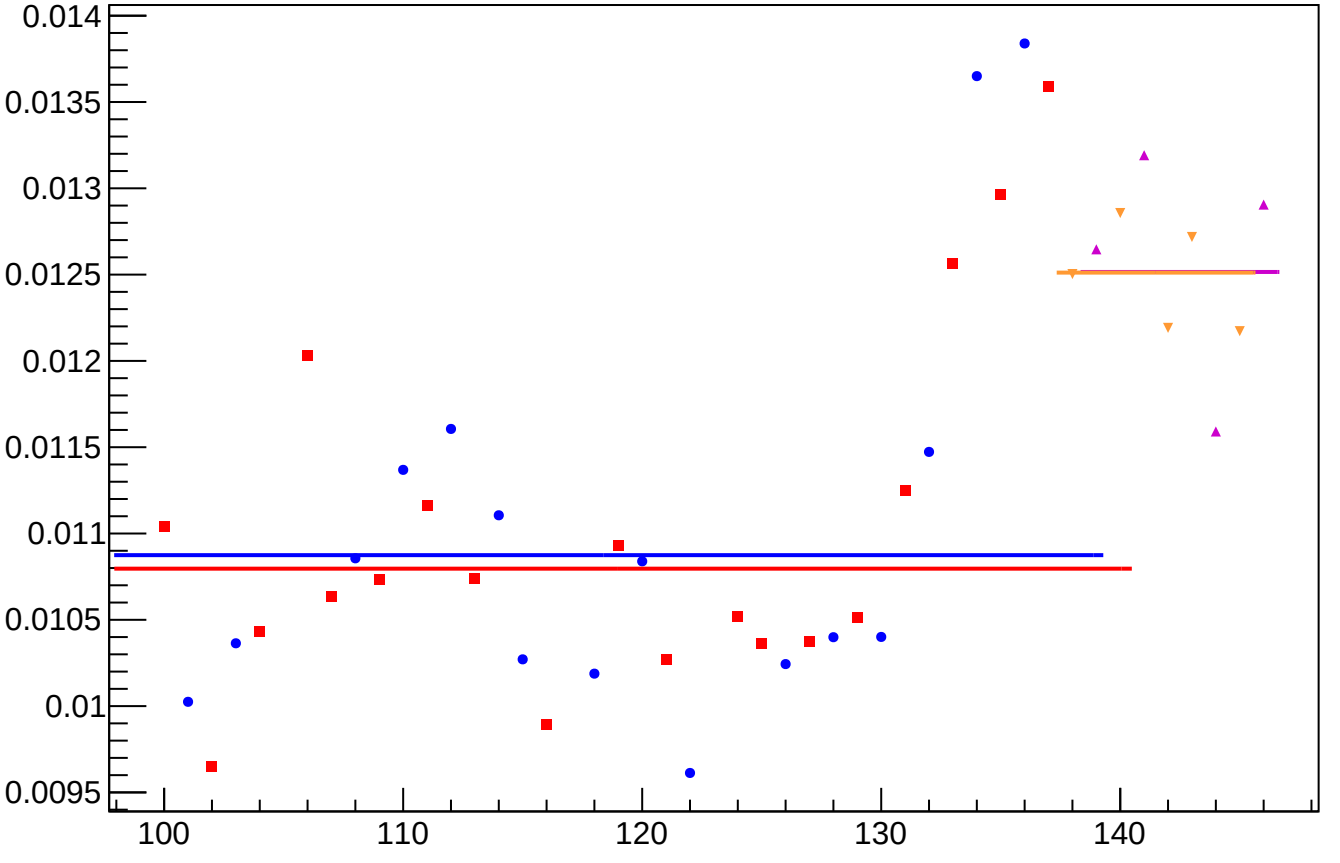
Left In: 1.047+/-0.000 χ^2/NDF:531342854.4/3

+ sign -0.289+/-0.000 χ^2/NDF: 69667212939.9/20

All: -0.306+/-0.000 χ^2/NDF: 134321126600.9

- sign -0.323+/-0.000 χ^2/NDF: 64606424838.4/22

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:3448.9/4

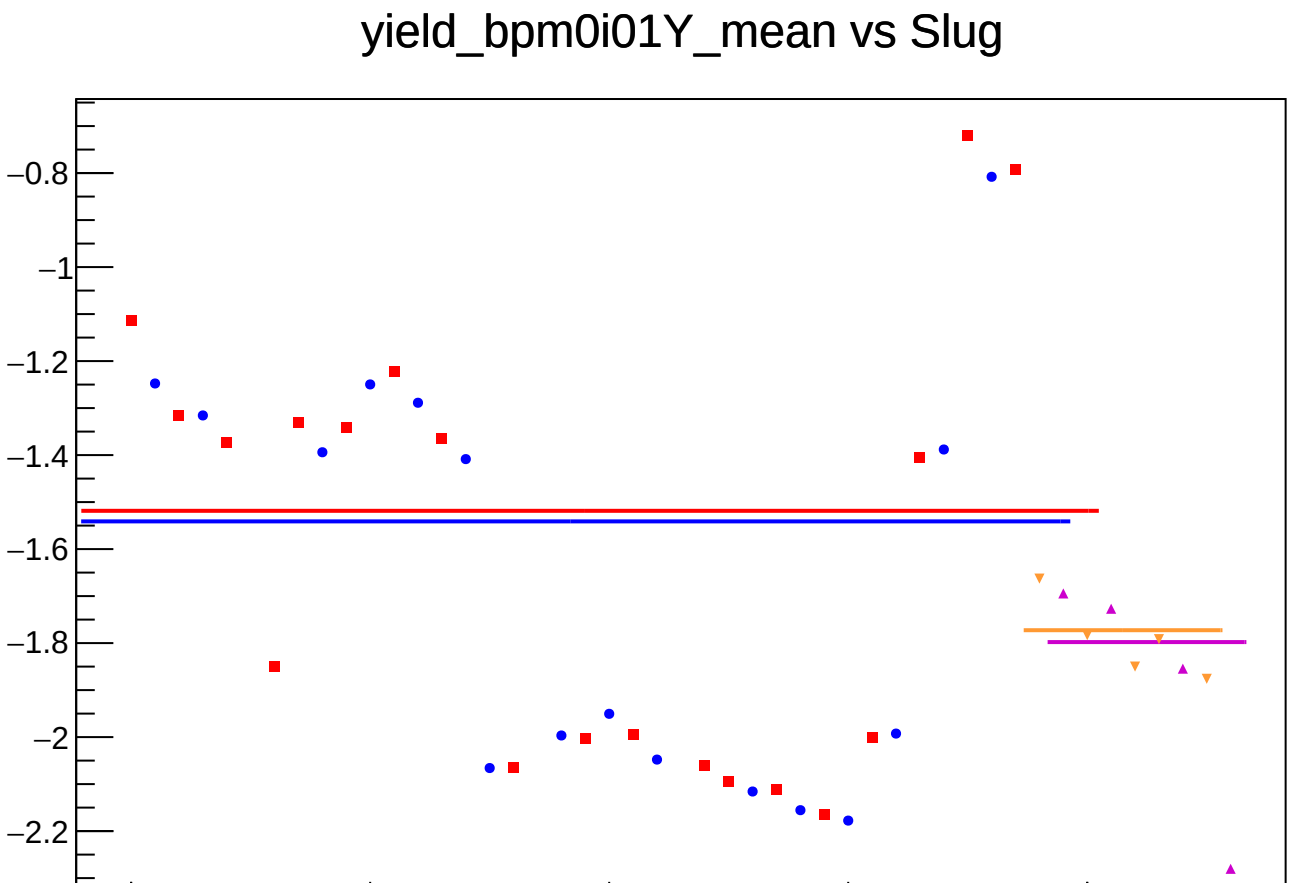
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:17628.2/3

+ sign 0.011+/-0.000 χ^2/NDF: 250395.8/20

All: 0.011+/-0.000 χ^2/NDF: 463739.1/43

- sign 0.011+/-0.000 χ^2/NDF: 212716.0/22



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.773+/-0.000 χ^2/NDF:2236026622.1/4

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

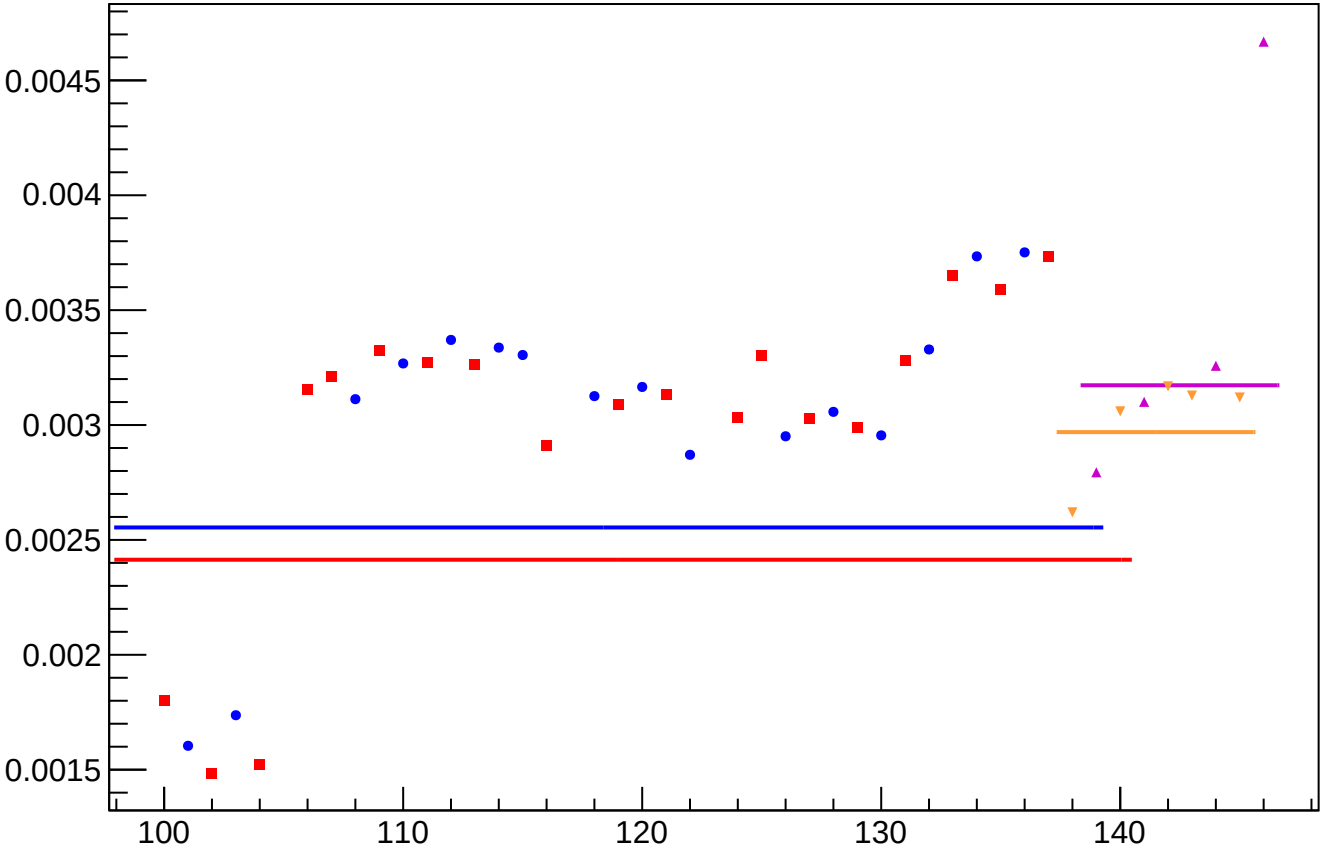
Left In: -1.798+/-0.000 χ^2/NDF:7828905723.2/3

+ sign -1.608+/-0.000 χ^2/NDF: 179006479184.7/20

All: -1.594+/-0.000 χ^2/NDF: 350121034850.3

- sign -1.581+/-0.000 χ^2/NDF: 170643973527.9/22

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:37785.3/4

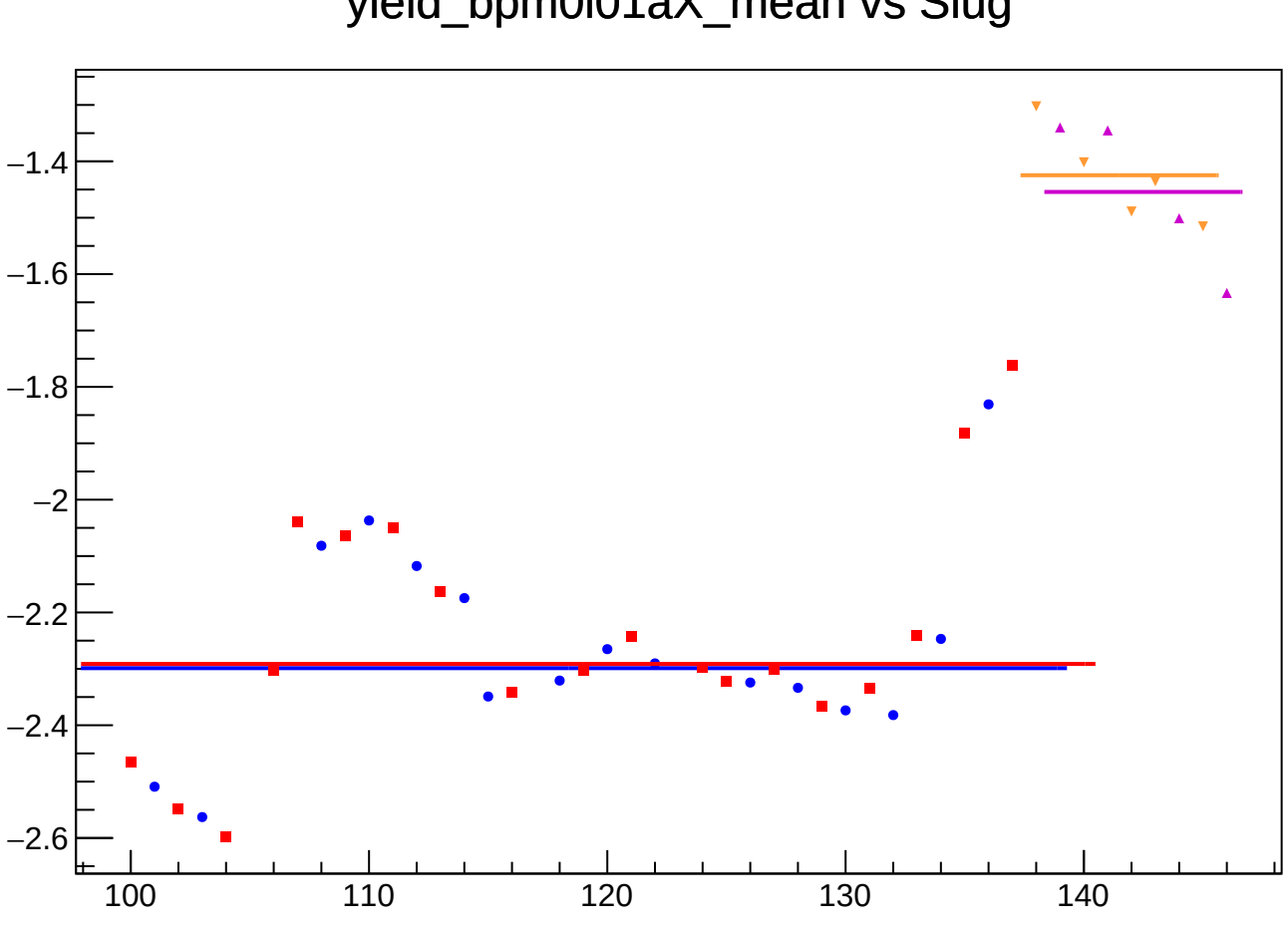
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:147704.1/3

+ sign 0.003+/-0.000 χ^2/NDF: 1302500.8/20

All: 0.003+/-0.000 χ^2/NDF: 3269965.2/43

- sign 0.003+/-0.000 χ^2/NDF: 1956776.1/22



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.425+/-0.000 χ^2/NDF:268260281.3/4

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

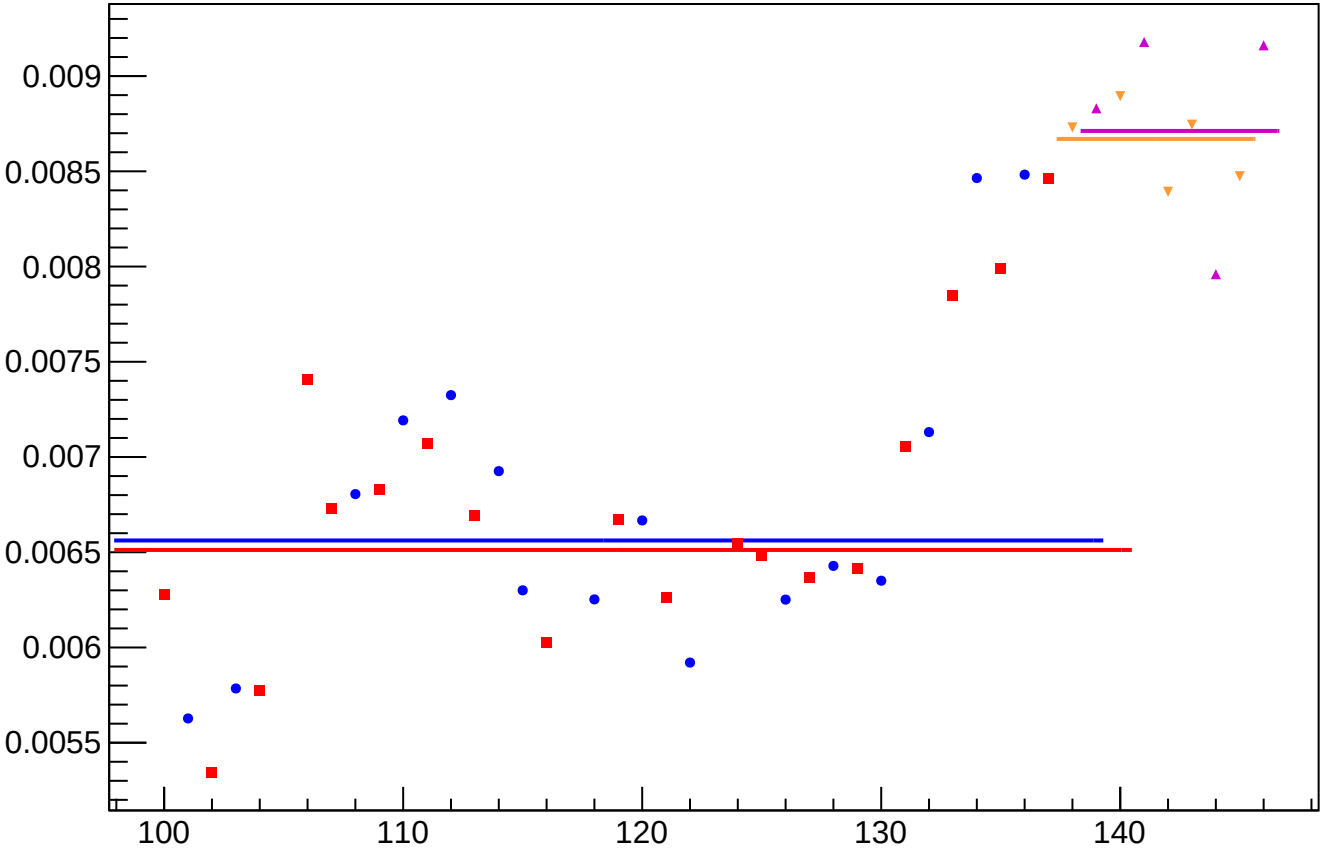
Left In: -1.454+/-0.000 χ^2/NDF:601150045.9/3

+ sign -2.099+/-0.000 χ^2/NDF: 34527015909.8/20

All: -2.107+/-0.000 χ^2/NDF: 66645813763.8/

- sign -2.115+/-0.000 χ^2/NDF: 32089115148.3/22

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:3006.1/4

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

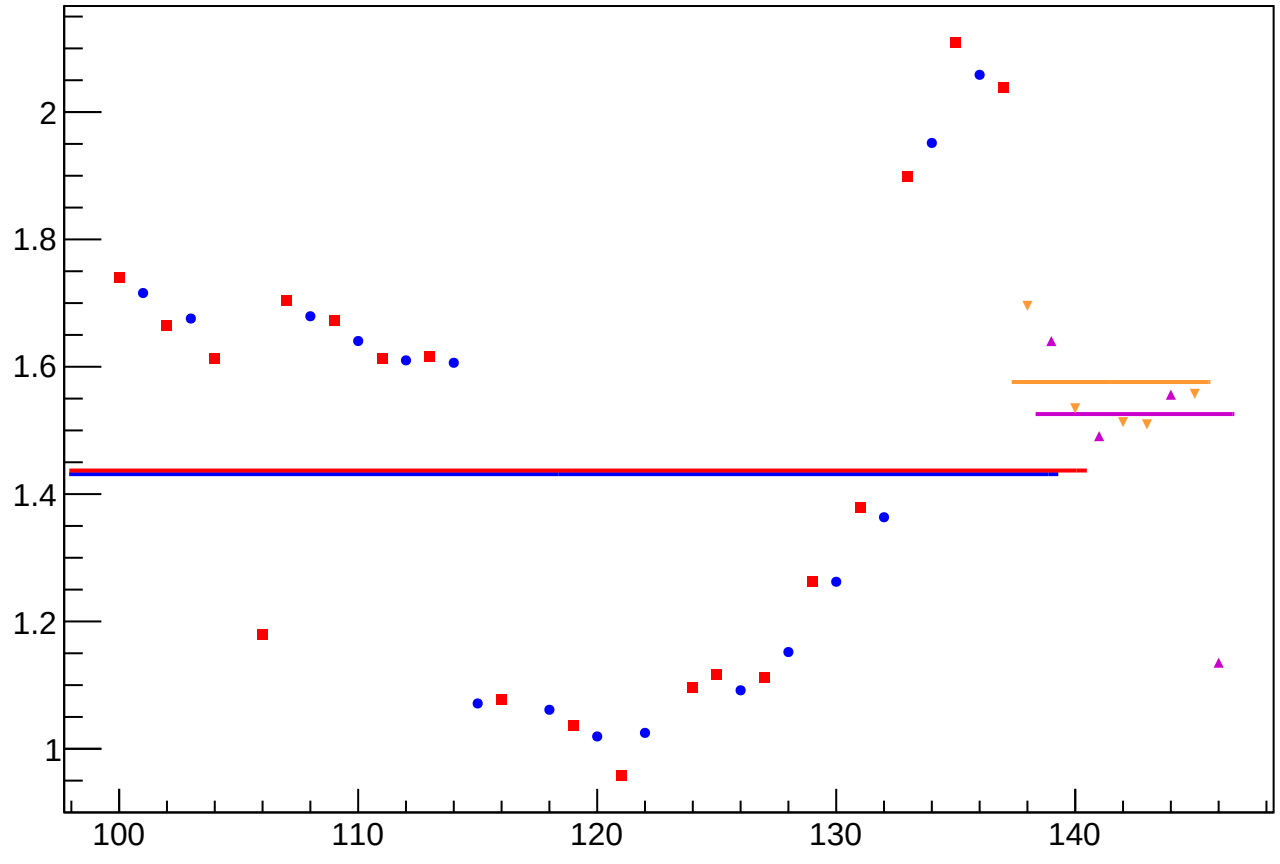
Left In: 0.009+/-0.000 χ^2/NDF:24390.2/3

+ sign 0.007+/-0.000 χ^2/NDF: 552117.1/20

All: 0.007+/-0.000 χ^2/NDF: 1103105.8/43

- sign 0.007+/-0.000 χ^2/NDF: 549952.8/22

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.576+/-0.000 χ^2/NDF:837076692.7/4

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

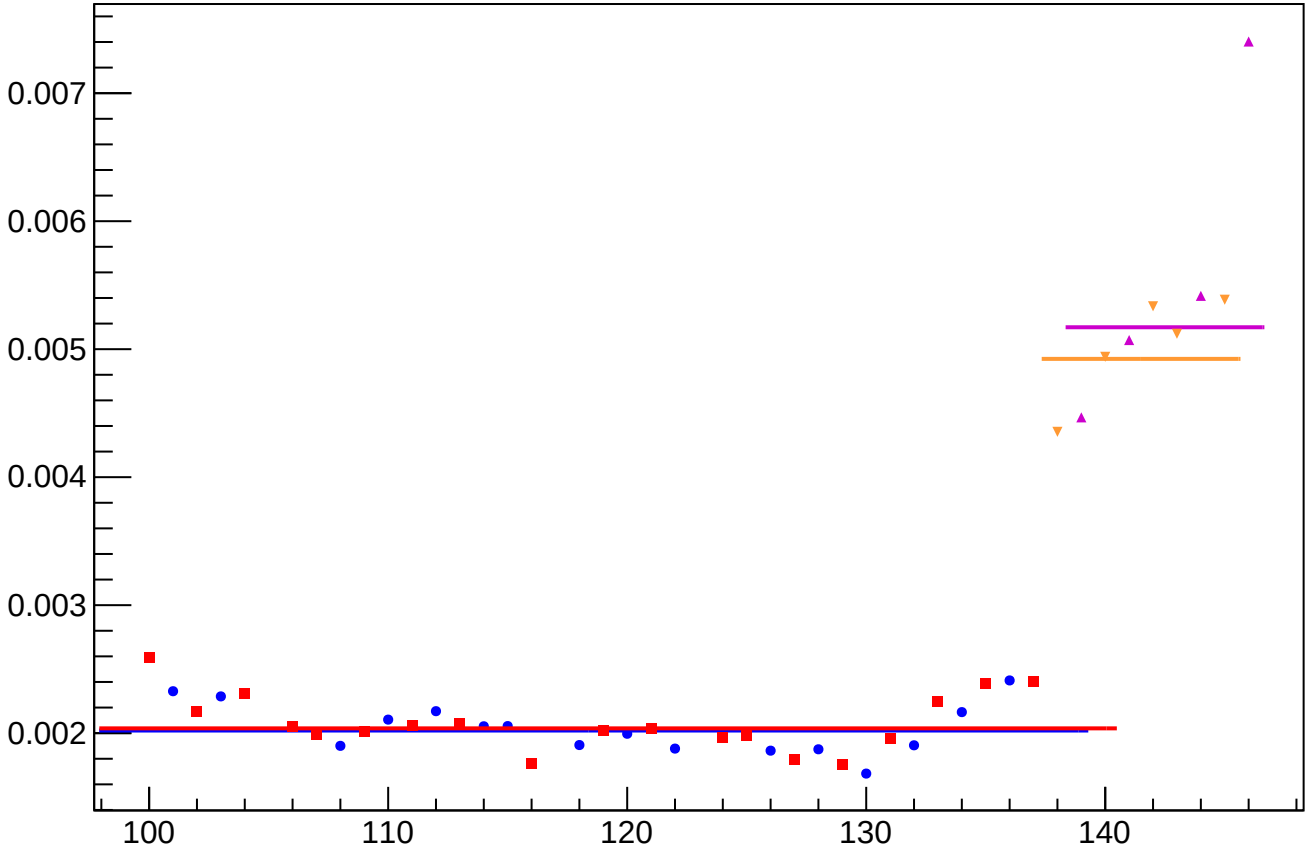
Left In: 1.526+/-0.000 χ^2/NDF:2360331399.1/3

+ sign 1.443+/-0.000 χ^2/NDF: 192758597475.2/20

All: 1.443+/-0.000 χ^2/NDF: 377987772098.4

- sign 1.443+/-0.000 χ^2/NDF: 185229165288.0/22

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:43045.9/4

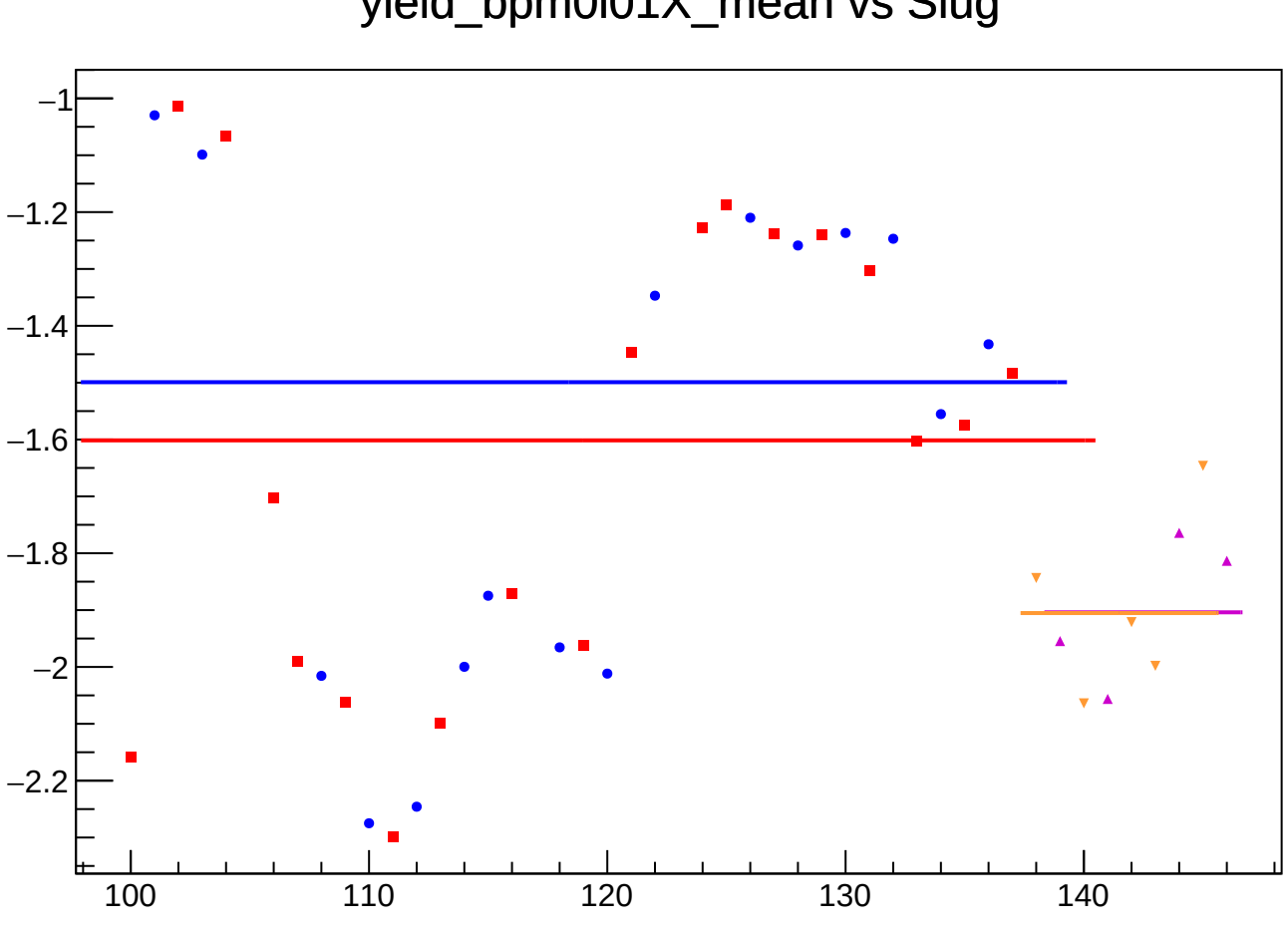
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:159524.8/3

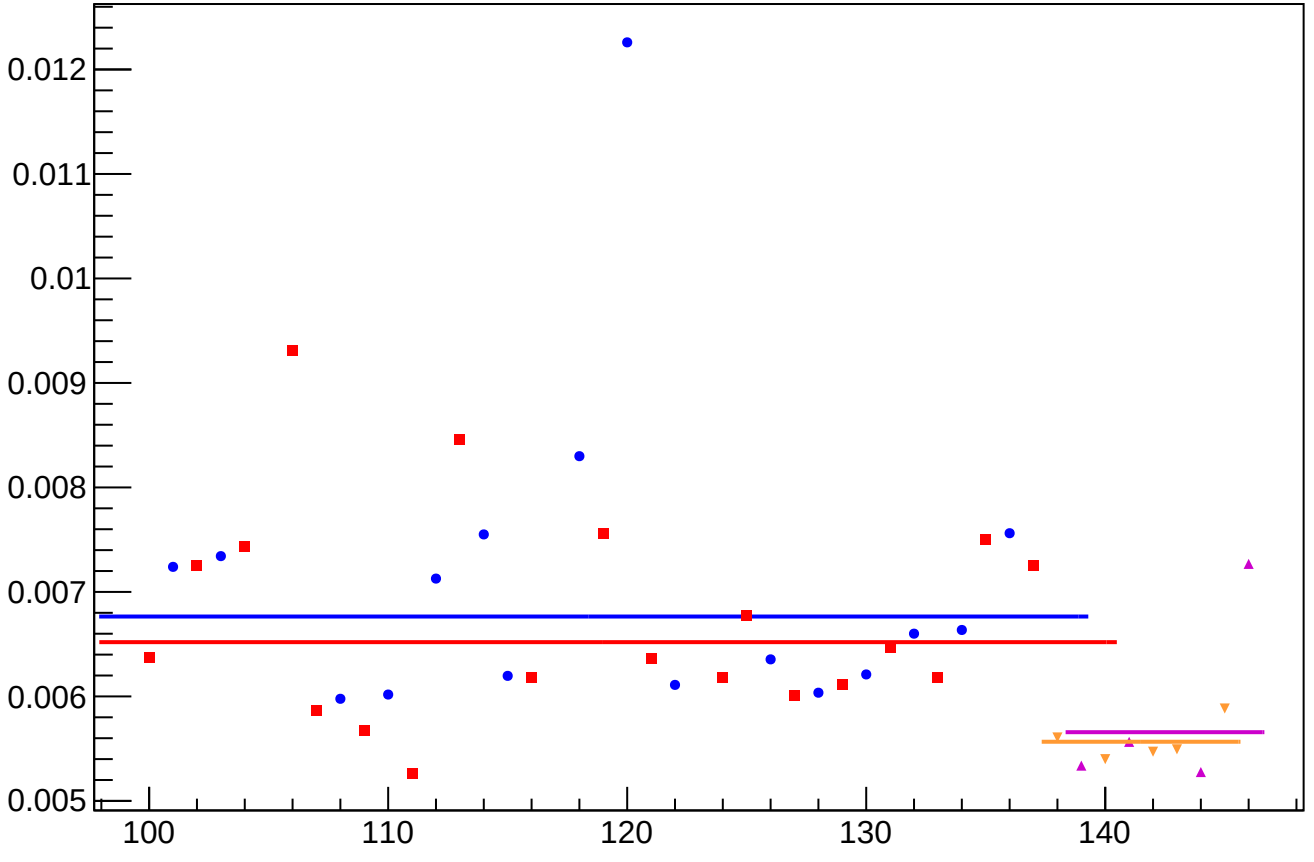
+ sign 0.002+/-0.000 χ^2/NDF: 2405424.2/20

All: 0.002+/-0.000 χ^2/NDF: 4800892.0/43

- sign 0.002+/-0.000 χ^2/NDF: 2395312.9/22


yield_bpm0l01X_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.905+/-0.000 χ²/NDF:2495638624.9/4
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.904+/-0.000 χ²/NDF:1447416171.9/3
+ sign -1.681+/-0.000 χ²/NDF: 35867901844.2/20
All: -1.700+/-0.000 χ²/NDF: 71572485640.8/
- sign -1.719+/-0.000 χ²/NDF: 35516945360.3/22

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:6600.7/4

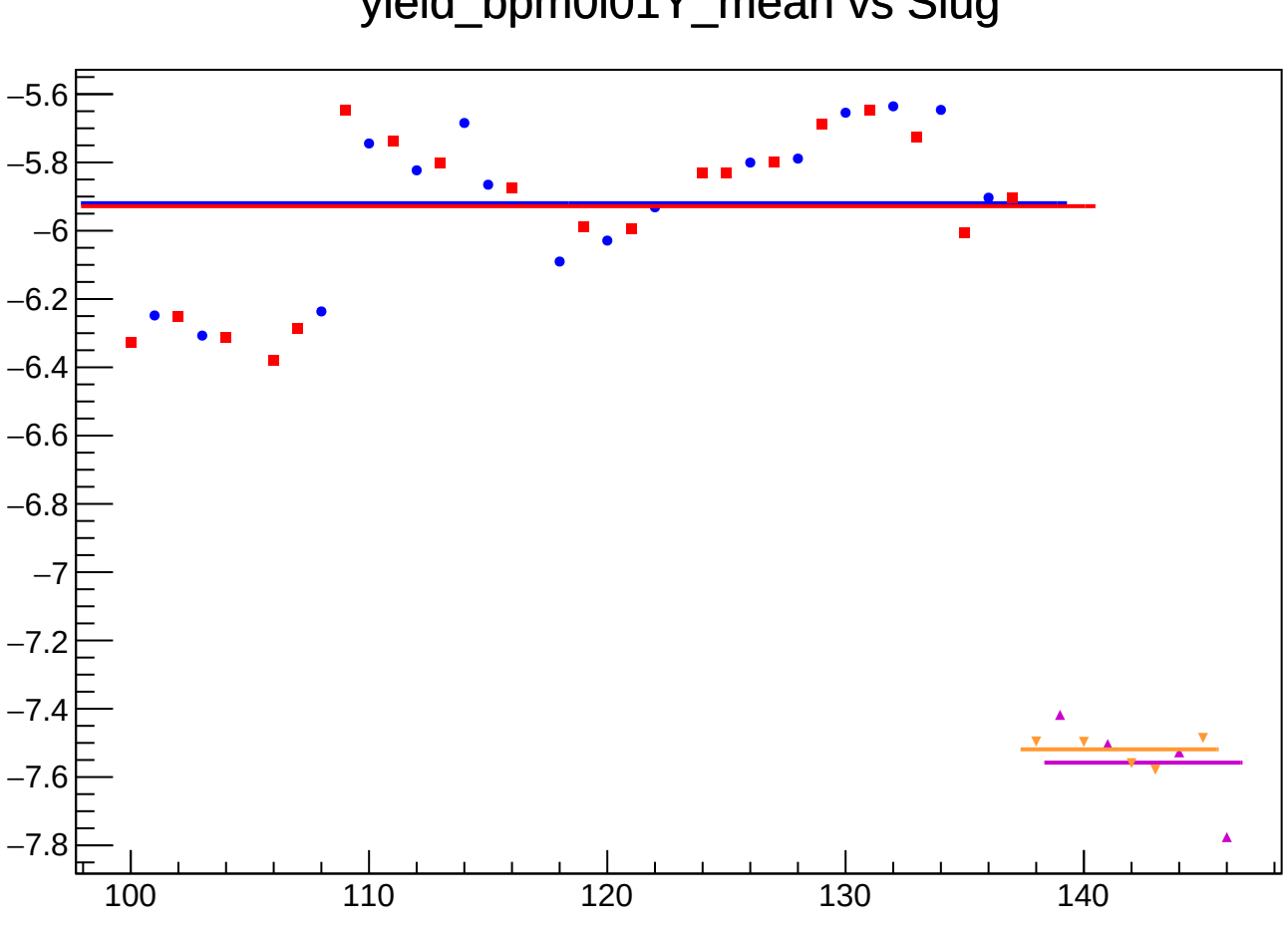
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:91749.9/3

+ sign 0.006+/-0.000 χ^2/NDF: 427104.9/20

All: 0.006+/-0.000 χ^2/NDF: 858048.4/43

- sign 0.006+/-0.000 χ^2/NDF: 430454.6/22



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.519+/-0.000 χ^2/NDF:41375358.3/4

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

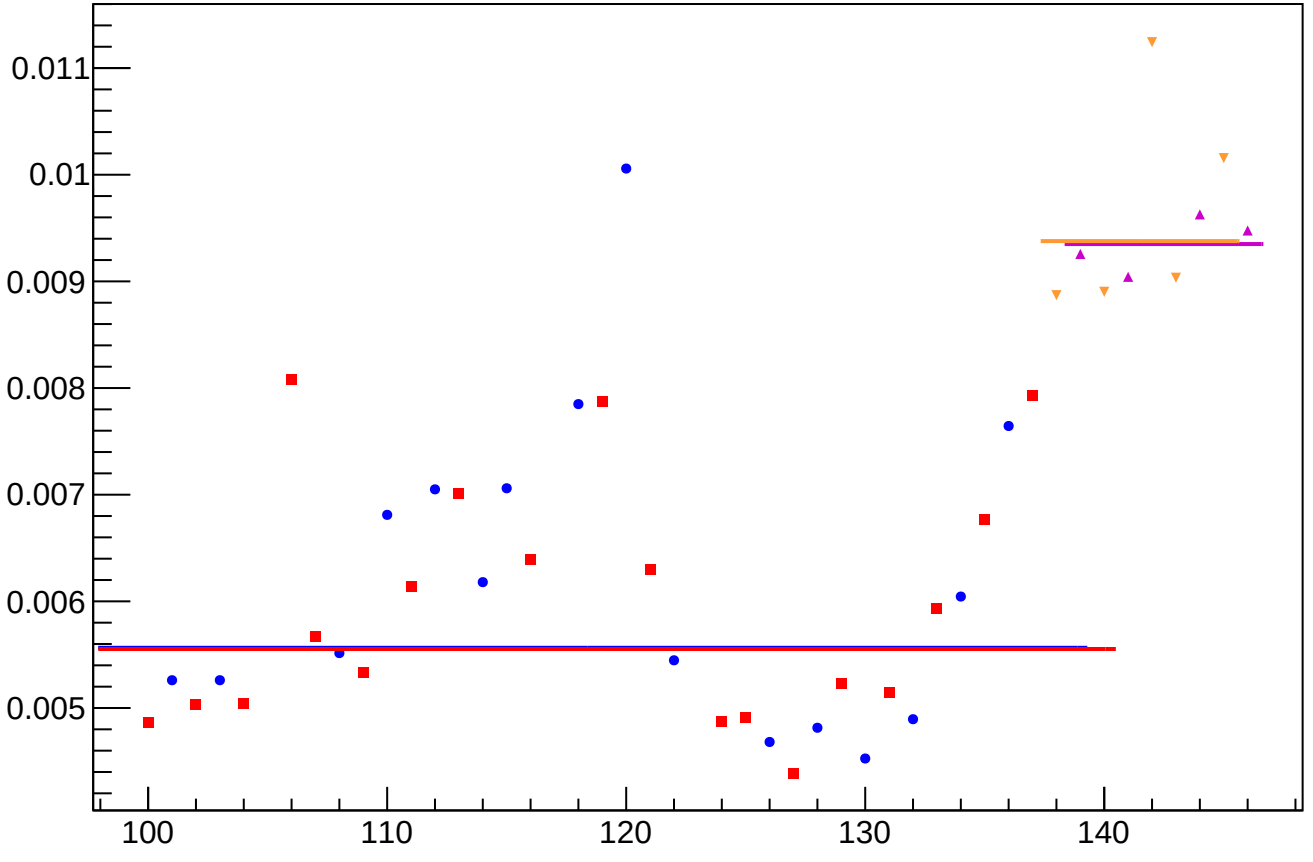
Left In: -7.558+/-0.000 χ^2/NDF:499201721.7/3

+ sign -6.122+/-0.000 χ^2/NDF: 75996790285.8/20

All: -6.122+/-0.000 χ^2/NDF: 155617141955.8

- sign -6.122+/-0.000 χ^2/NDF: 79620344920.4/22

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:32540.3/4

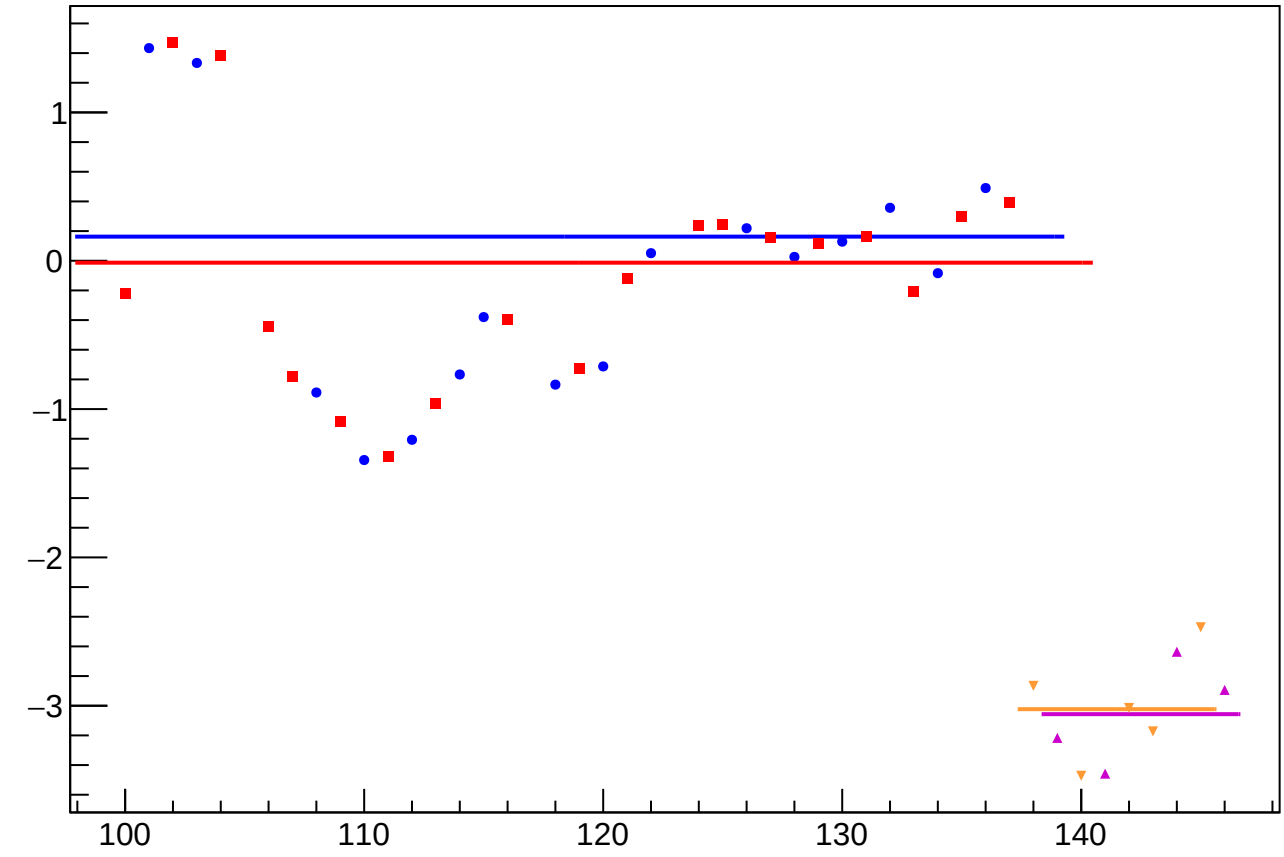
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2849.1/3

+ sign 0.006+/-0.000 χ^2/NDF: 1258100.0/20

All: 0.006+/-0.000 χ^2/NDF: 2347679.4/43

- sign 0.006+/-0.000 χ^2/NDF: 1089148.7/22



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.023+/-0.000 χ^2/NDF:1256658939.3/4

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

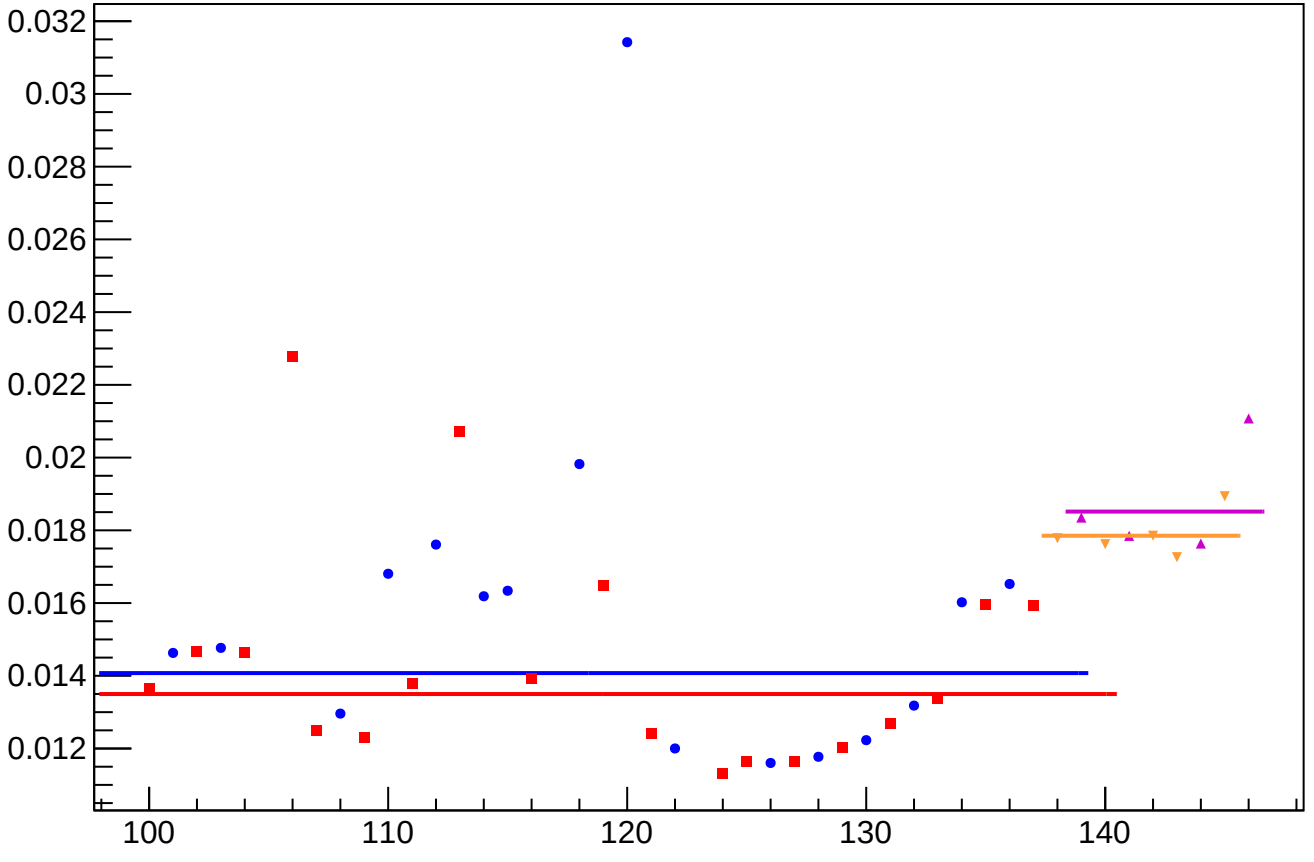
Left In: -3.057+/-0.000 χ^2/NDF:1014189242.4/3

+ sign -0.641+/-0.000 χ^2/NDF: 100747460756.3/20

All: -0.638+/-0.000 χ^2/NDF: 194528517921.1

- sign -0.634+/-0.000 χ^2/NDF: 93779836419.3/22

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:7004.4/4

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

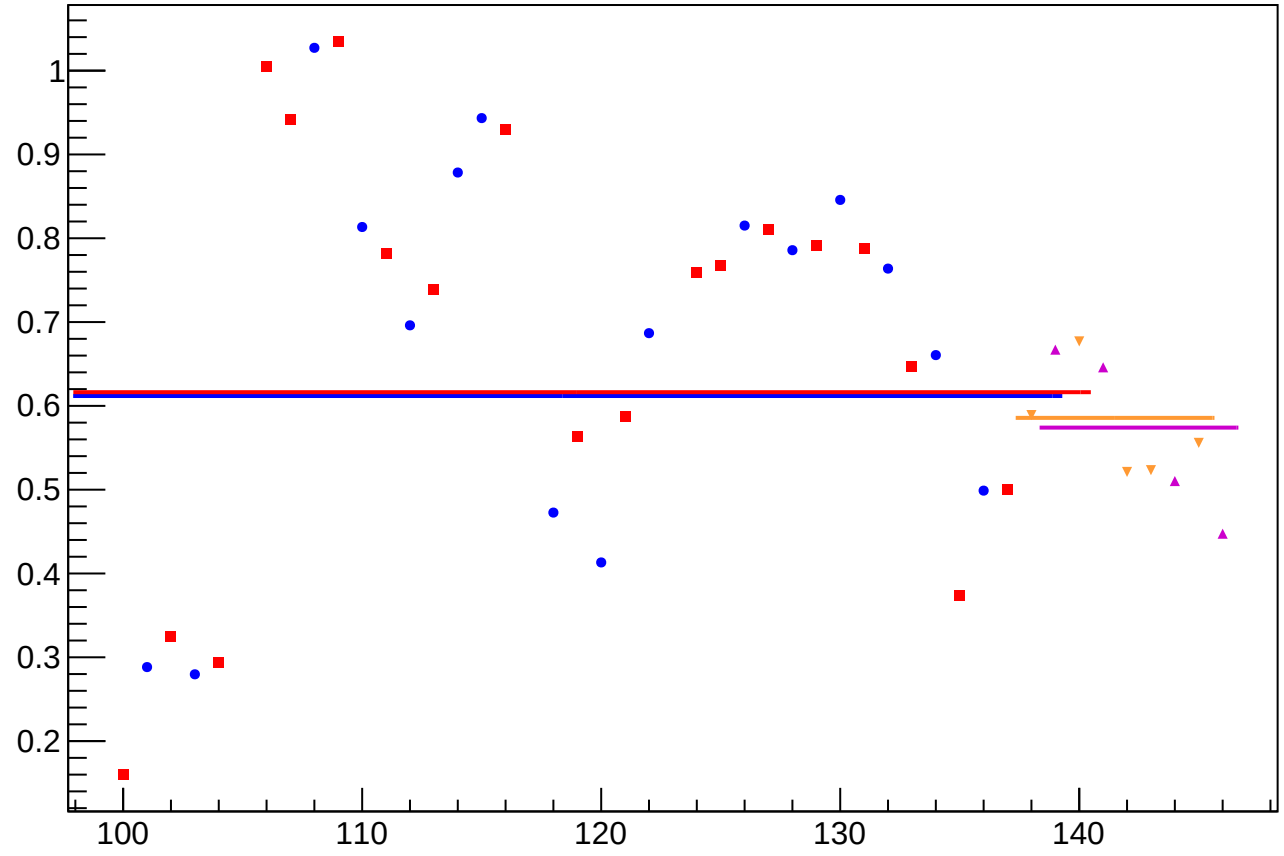
Left In: 0.019+/-0.000 χ^2/NDF:29979.8/3

+ sign 0.015+/-0.000 χ^2/NDF: 701689.9/20

All: 0.015+/-0.000 χ^2/NDF: 1439695.1/43

- sign 0.015+/-0.000 χ^2/NDF: 726617.2/22

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.586+/-0.000 χ^2/NDF:162278509.6/4

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

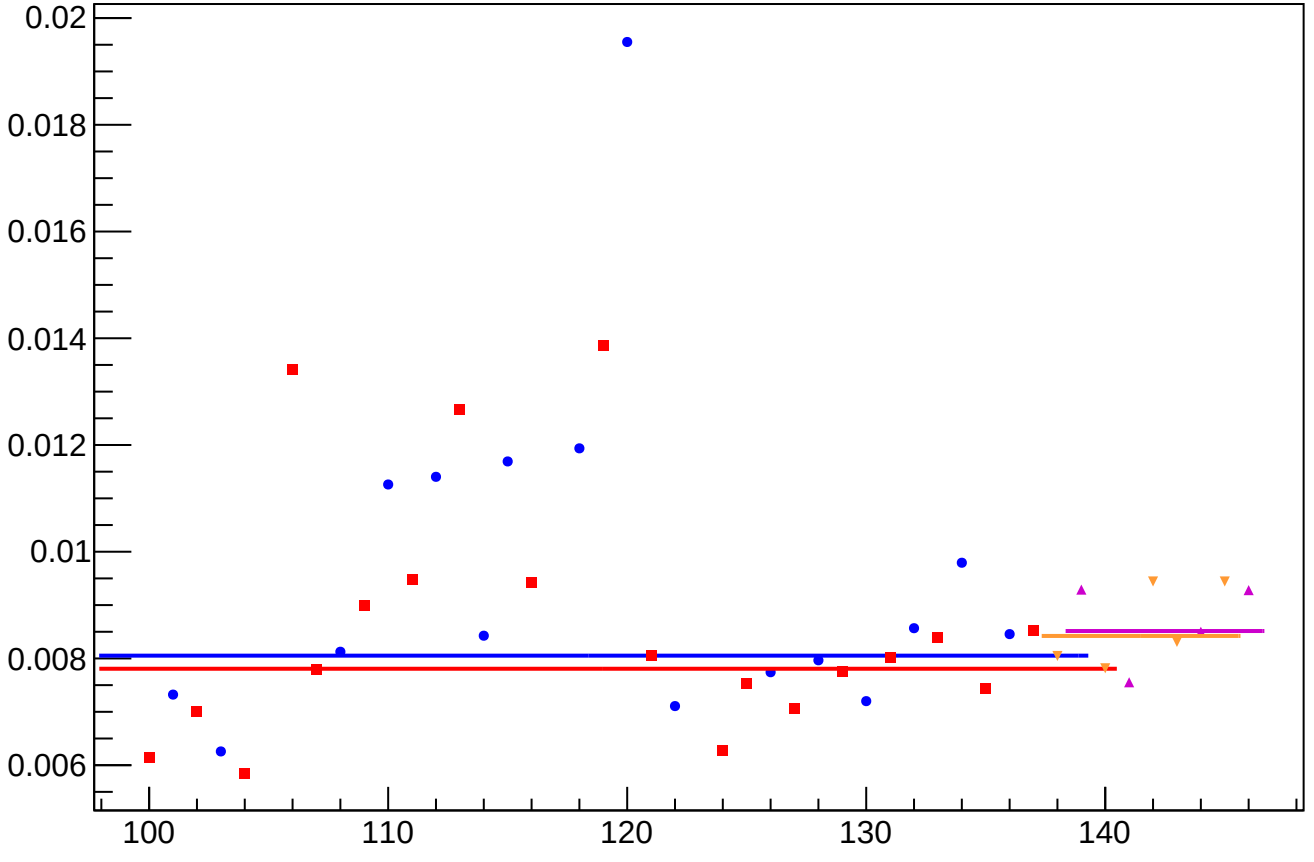
Left In: 0.574+/-0.000 χ^2/NDF:325640361.0/3

+ sign 0.604+/-0.000 χ^2/NDF: 5821502649.3/20

All: 0.604+/-0.000 χ^2/NDF: 12619845809.7/

- sign 0.604+/-0.000 χ^2/NDF: 6798295972.1/22

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:36217.5/4

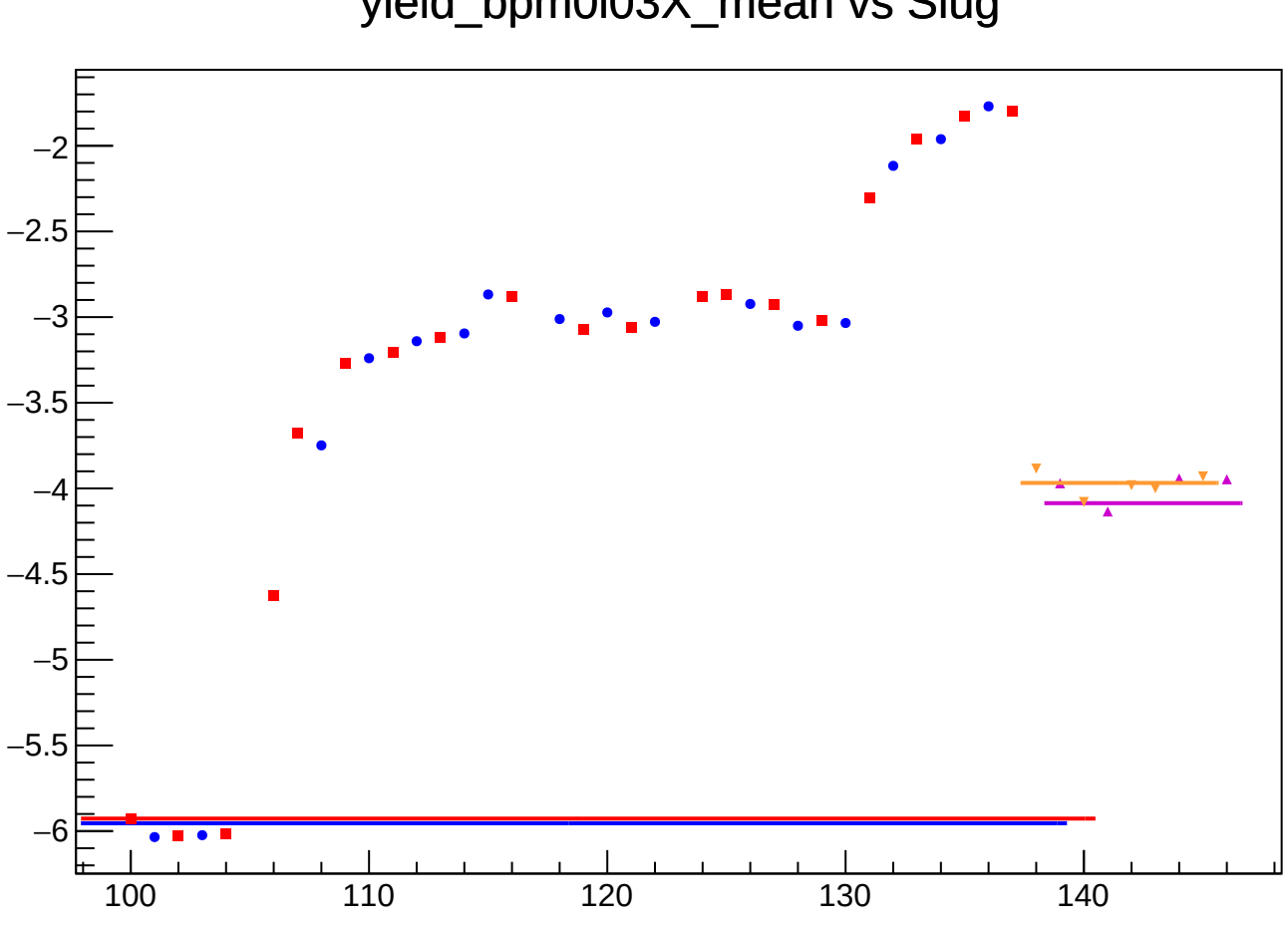
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:45461.4/3

+ sign 0.008+/-0.000 χ^2/NDF: 642622.9/20

All: 0.008+/-0.000 χ^2/NDF: 1308696.3/43

- sign 0.008+/-0.000 χ^2/NDF: 662356.3/22



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.968+/-0.000 χ^2/NDF:2330184.4/4

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

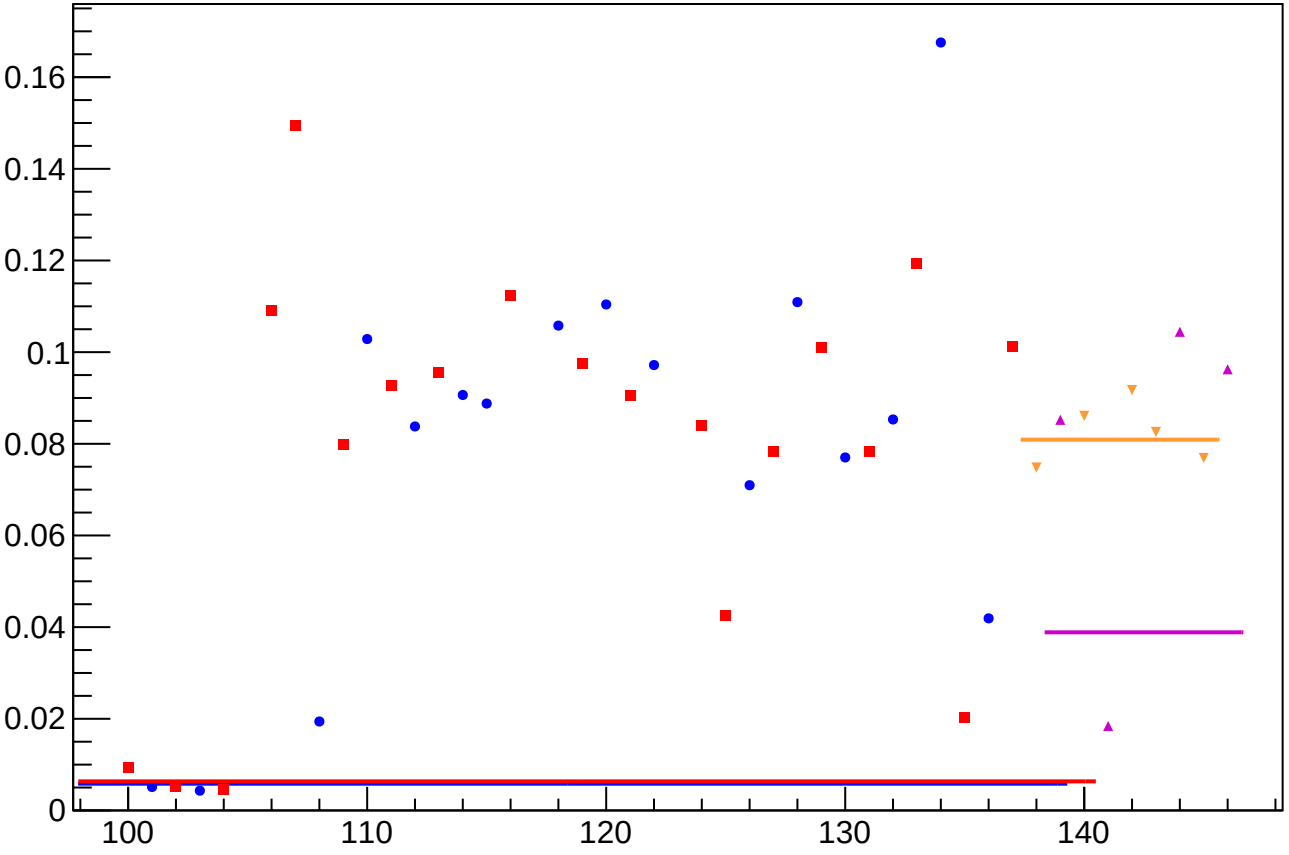
Left In: -4.086+/-0.000 χ^2/NDF:6013821.1/3

+ sign -5.935+/-0.000 χ^2/NDF: 15087916628.8/20

All: -5.913+/-0.000 χ^2/NDF: 32153079307.5/

- sign -5.887+/-0.000 χ^2/NDF: 17012202052.5/22

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.081+/-0.000 χ^2/NDF:30579.8/4

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

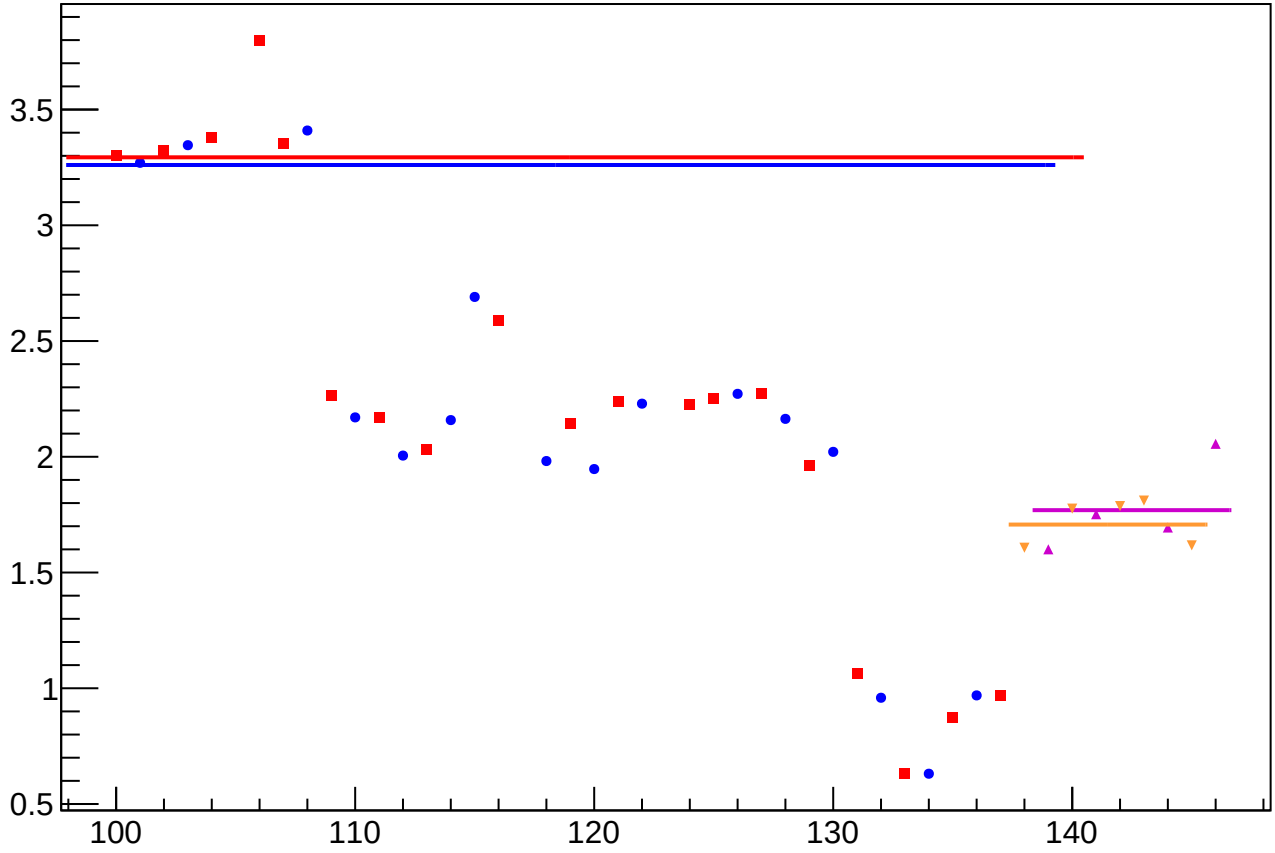
Left In: 0.039+/-0.000 χ^2/NDF:2158450.8/3

+ sign 0.007+/-0.000 χ^2/NDF: 14403884.7/20

All: 0.007+/-0.000 χ^2/NDF: 27248938.0/43

- sign 0.007+/-0.000 χ^2/NDF: 12834753.6/22

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.707+/-0.000 χ^2/NDF:3596019.3/4

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

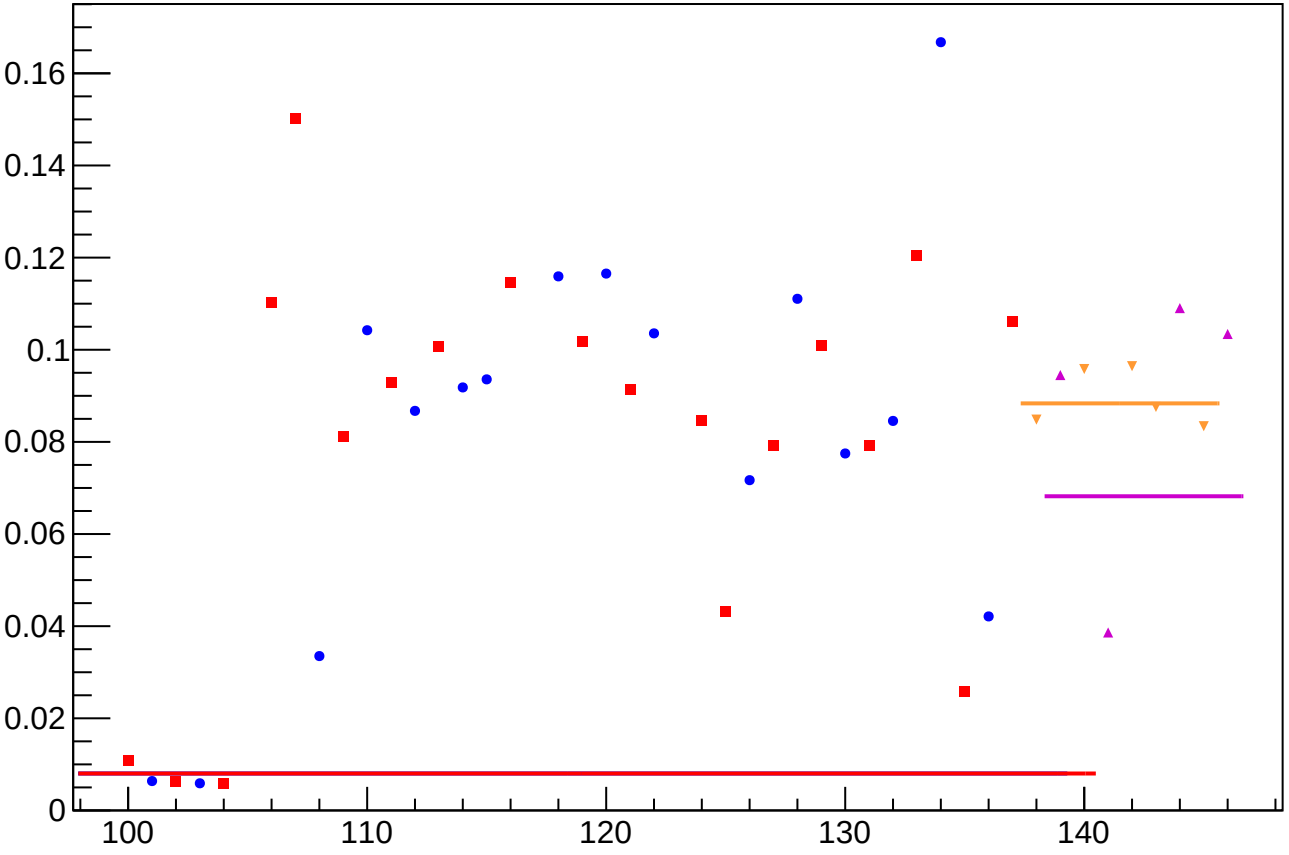
Left In: 1.769+/-0.000 χ^2/NDF:8822787.7/3

+ sign 3.239+/-0.000 χ^2/NDF: 4040369004.0/20

All: 3.254+/-0.000 χ^2/NDF: 8379448073.6/43

- sign 3.270+/-0.000 χ^2/NDF: 4324924233.1/22

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.088+/-0.000 χ^2/NDF:22691.8/4

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

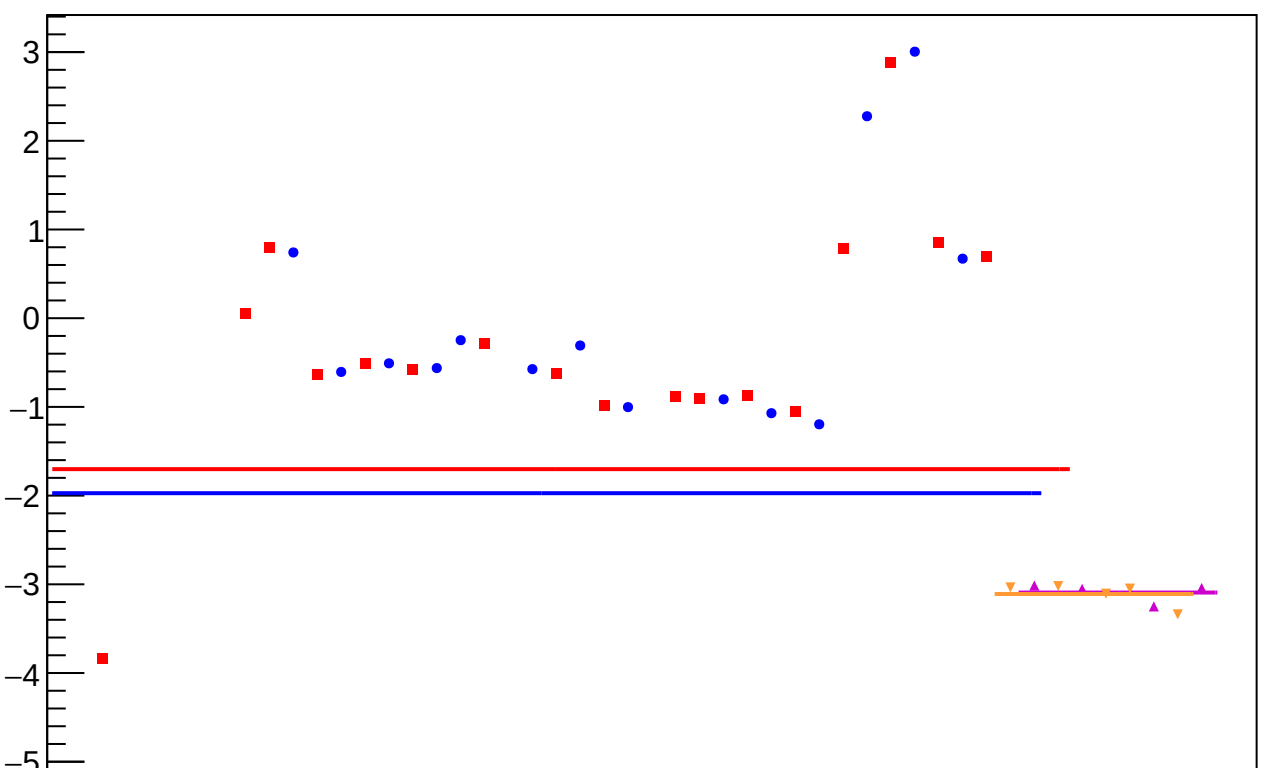
Left In: 0.068+/-0.000 χ^2/NDF:958378.3/3

+ sign 0.009+/-0.000 χ^2/NDF: 13933069.0/20

All: 0.009+/-0.000 χ^2/NDF: 26777641.9/43

- sign 0.009+/-0.000 χ^2/NDF: 12843823.3/22

yield_bpm0l04X_mean vs Slug



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.109+/-0.000 χ^2/NDF:886174437.2/4

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

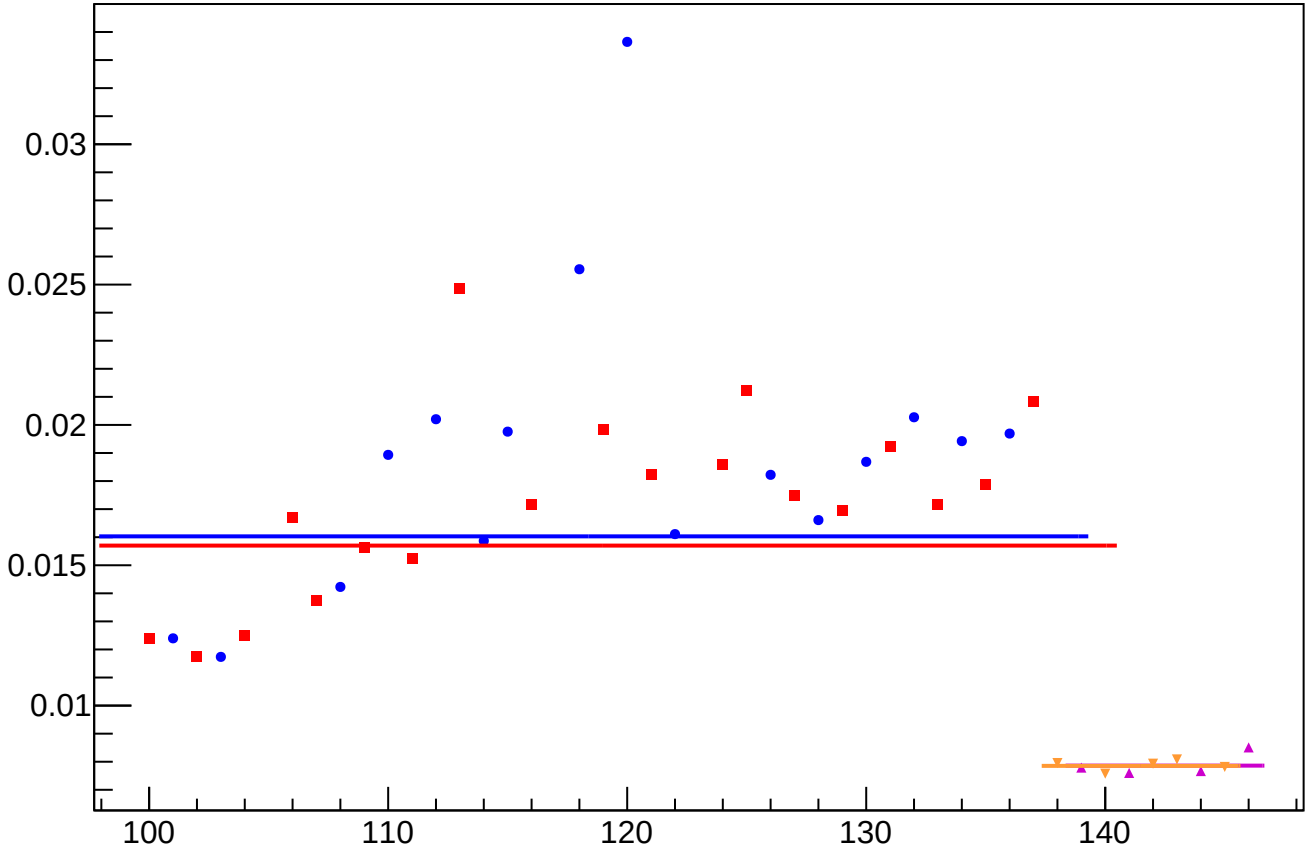
Left In: -3.093+/-0.000 χ^2/NDF:503874109.6/3

+ sign -2.788+/-0.000 χ^2/NDF: 183851115242.6/20

All: -2.718+/-0.000 χ^2/NDF: 387338566516.9

- sign -2.649+/-0.000 χ^2/NDF: 202715215476.6/22

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:3818.6/4

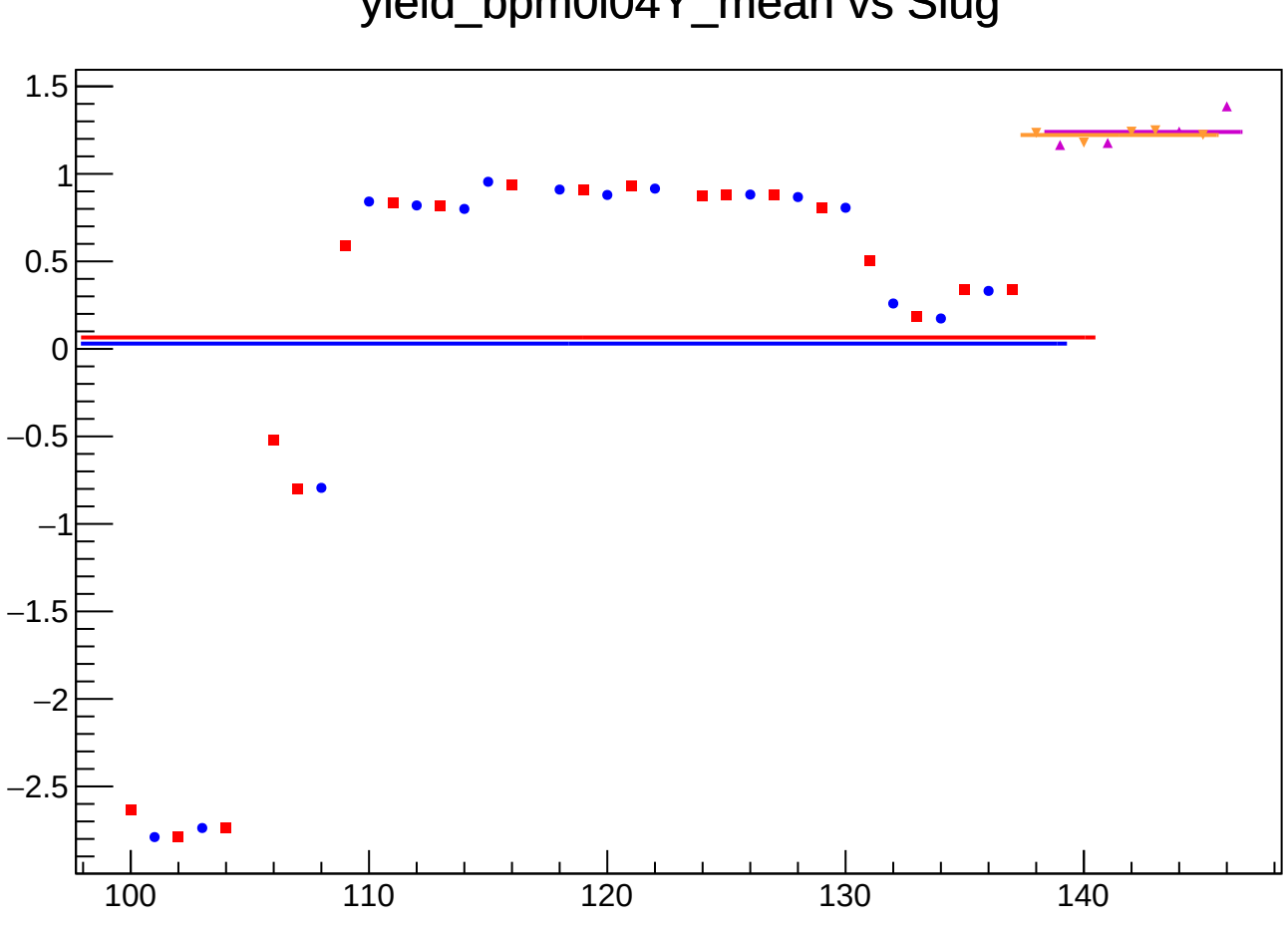
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:13276.2/3

+ sign 0.010+/-0.000 χ^2/NDF: 2911772.4/20

All: 0.010+/-0.000 χ^2/NDF: 5595750.9/43

- sign 0.010+/-0.000 χ^2/NDF: 2680958.4/22



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.222+/-0.000 χ^2/NDF:32587384.1/4

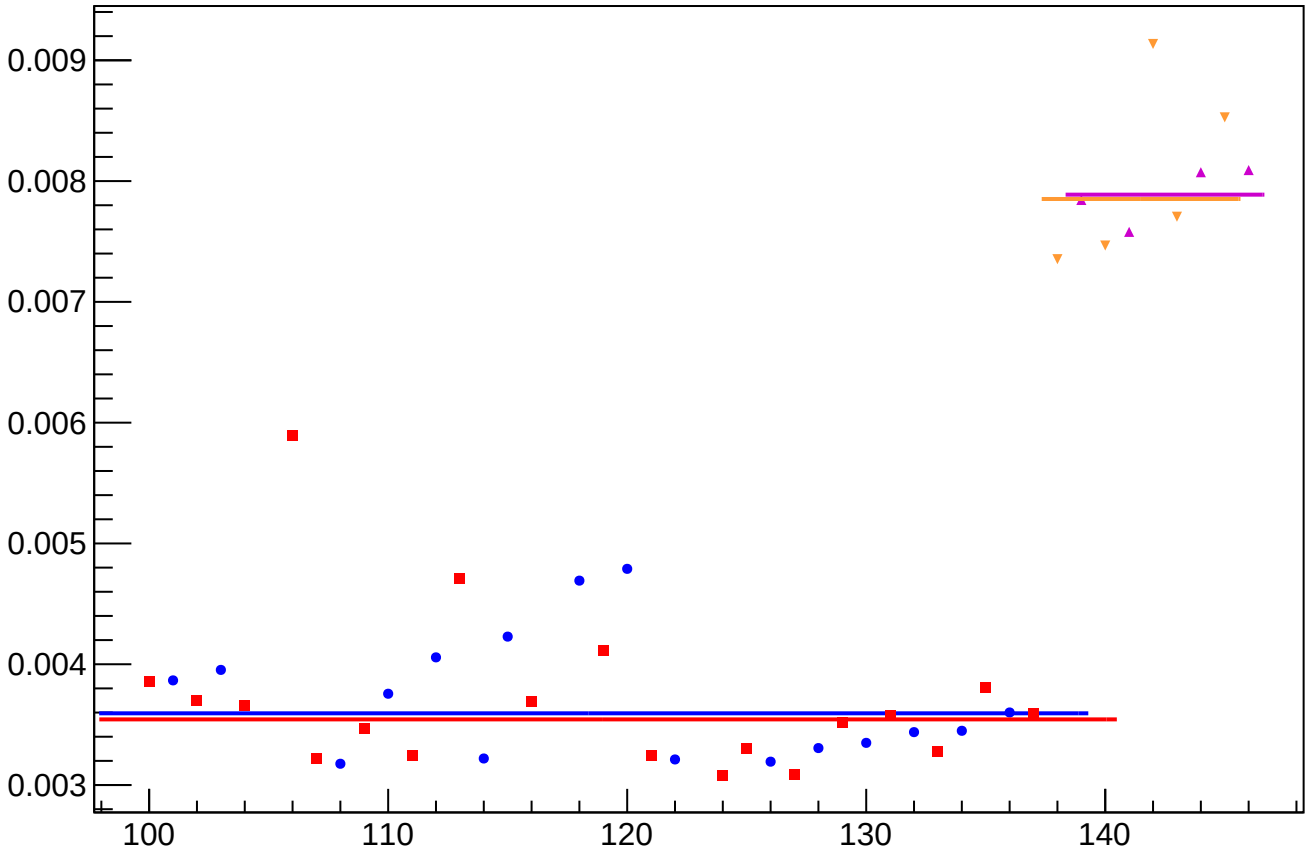
Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.240+/-0.000 χ^2/NDF:333245511.5/3

+ sign 0.128+/-0.000 χ^2/NDF: 912082340467.3/20

All: 0.140+/-0.000 χ^2/NDF: 1905291694530.

- sign 0.152+/-0.000 χ^2/NDF: 993027486102.1/22



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:31652.1/4

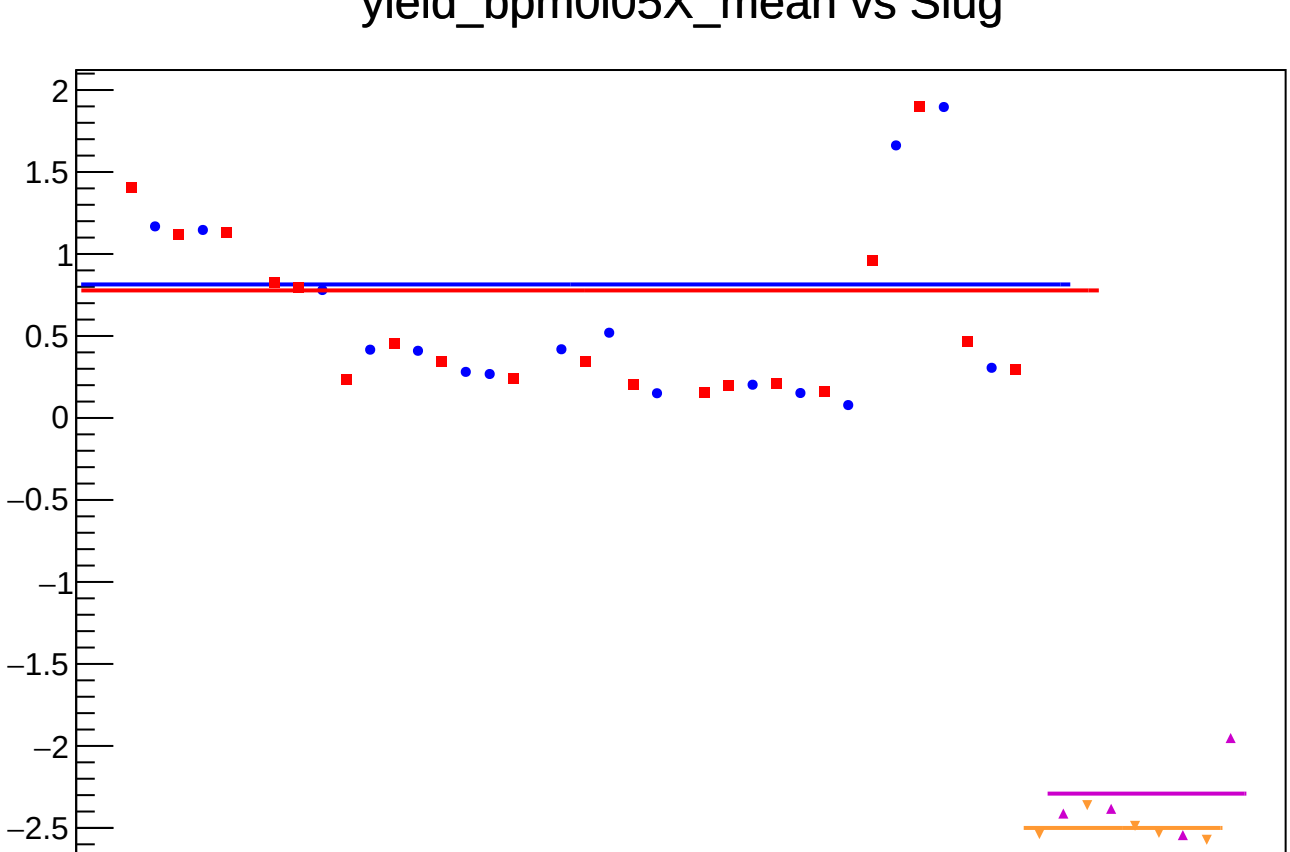
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:4019.3/3

+ sign 0.004+/-0.000 χ^2/NDF: 1753006.5/20

All: 0.004+/-0.000 χ^2/NDF: 3551294.5/43

- sign 0.004+/-0.000 χ^2/NDF: 1794952.5/22



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.500+/-0.000 χ^2/NDF:344310963.6/4

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

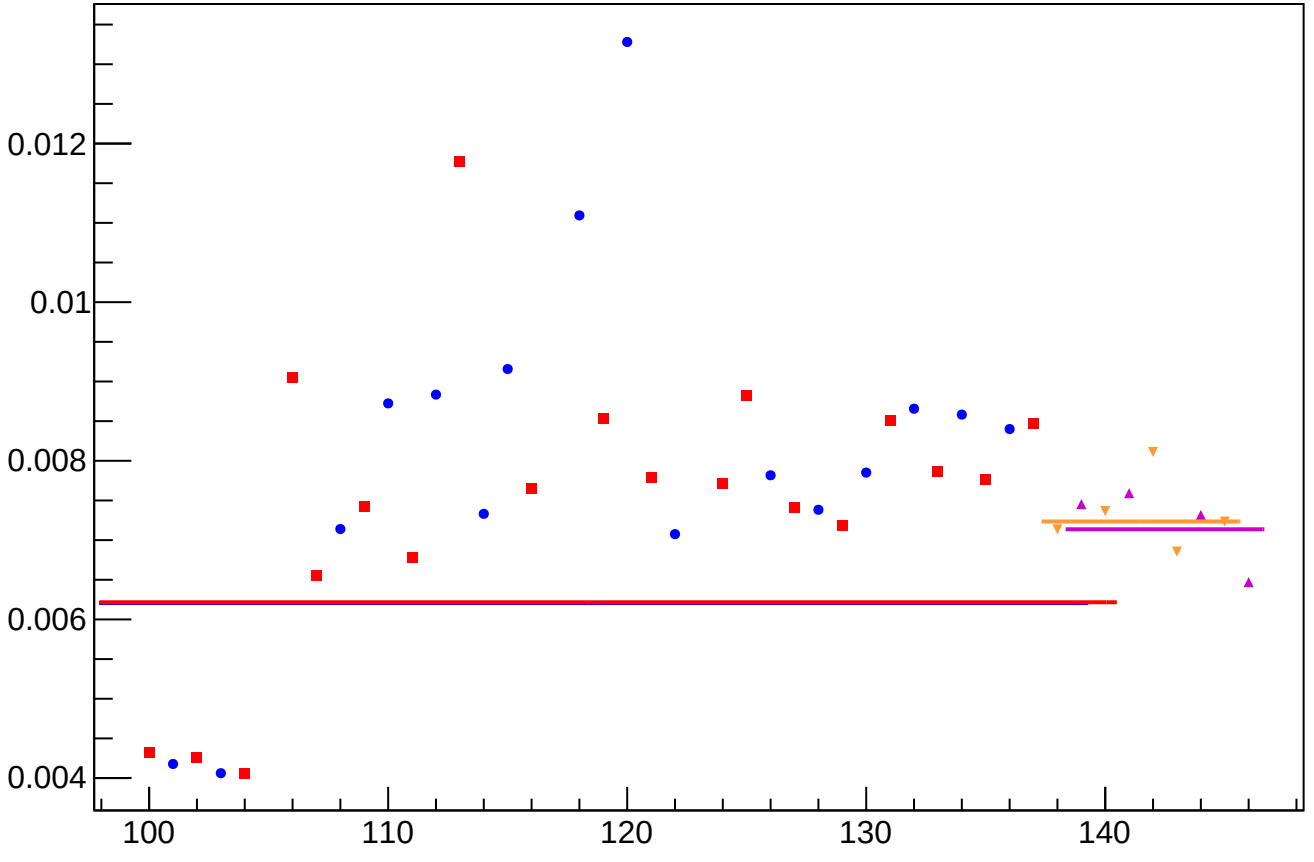
Left In: -2.291+/-0.000 χ^2/NDF:3391664809.1/3

+ sign -0.132+/-0.000 χ^2/NDF: 488317463603.2/20

All: -0.098+/-0.000 χ^2/NDF: 929425399132.

- sign -0.066+/-0.000 χ^2/NDF: 440660371795.7/22

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:13276.9/4

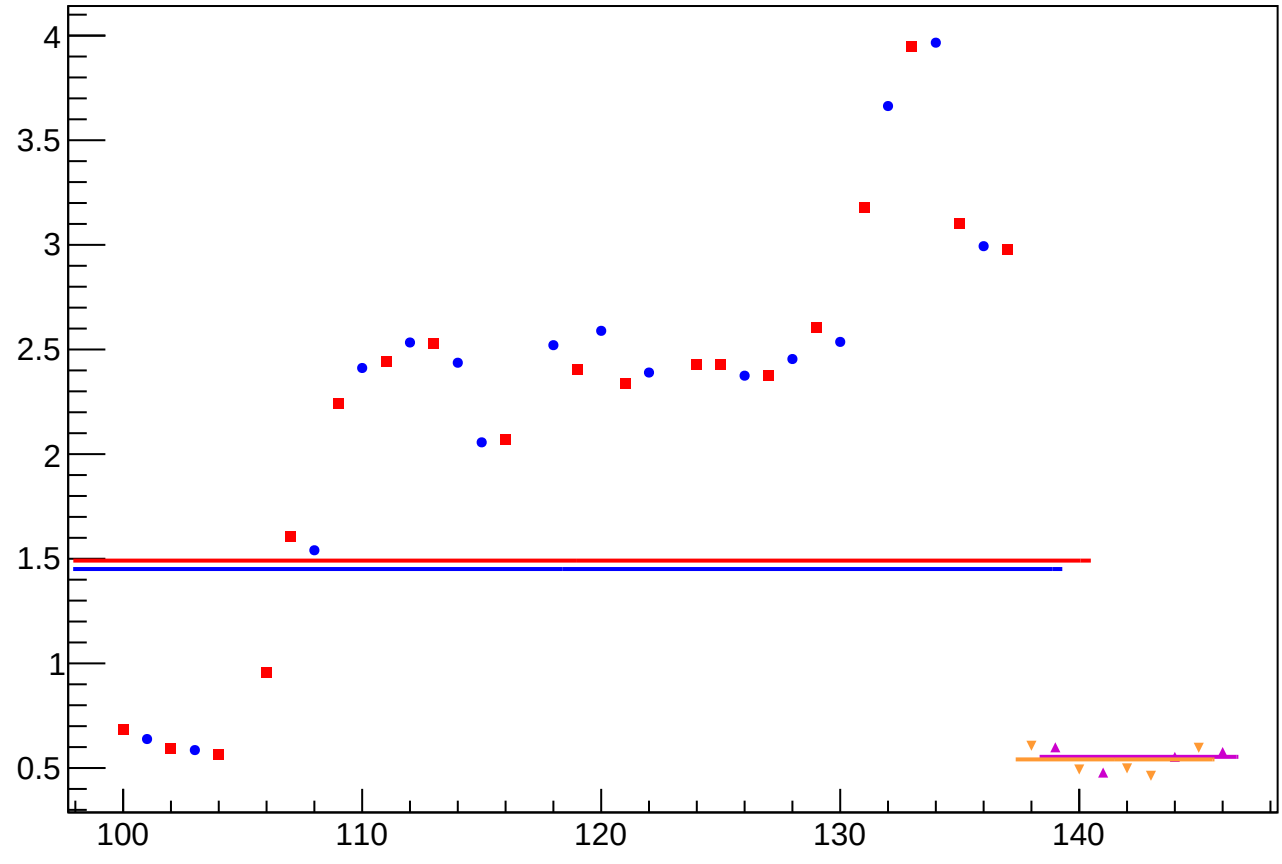
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:25645.0/3

+ sign 0.006+/-0.000 χ^2/NDF: 1524403.0/20

All: 0.006+/-0.000 χ^2/NDF: 2783778.1/43

- sign 0.006+/-0.000 χ^2/NDF: 1259184.2/22



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.541+/-0.000 χ^2/NDF:224908000.4/4

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

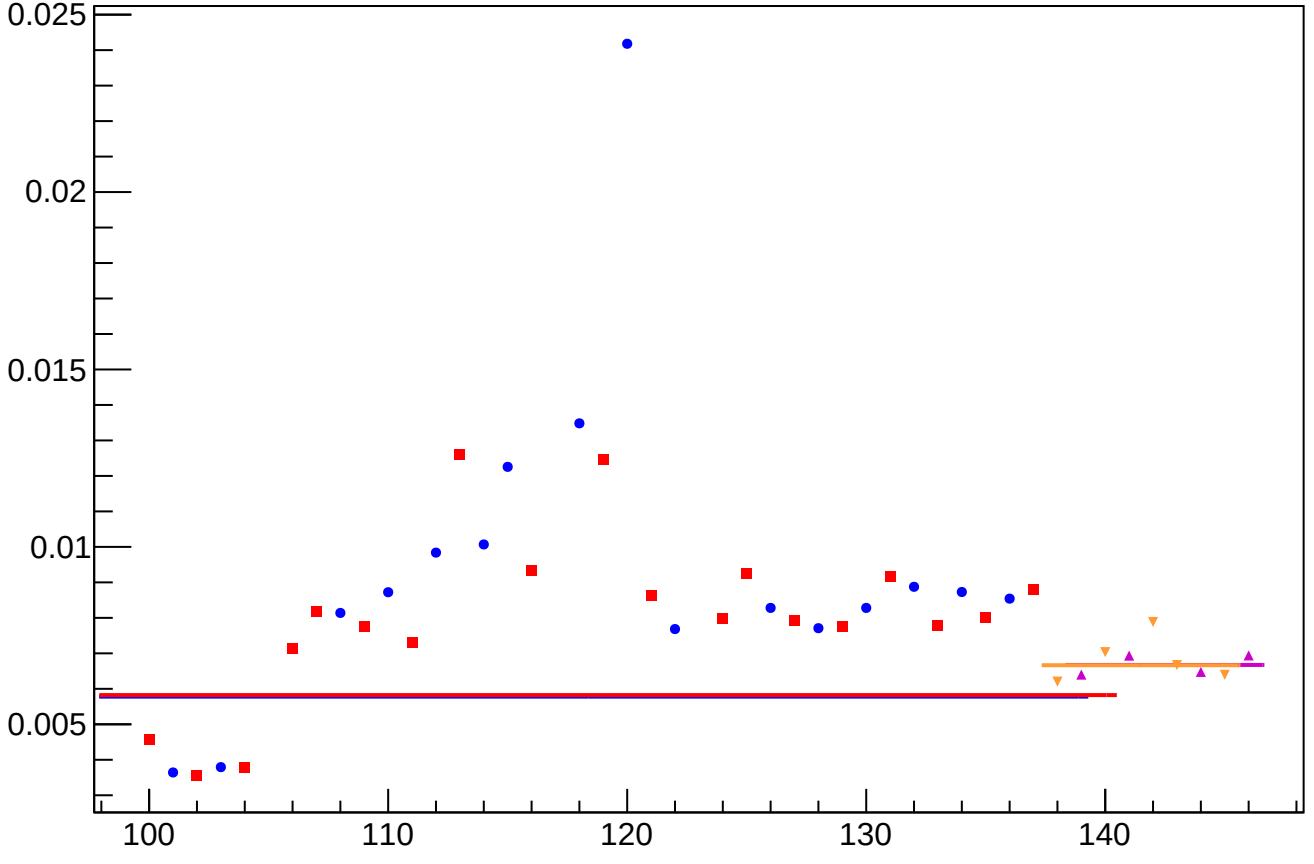
Left In: 0.553+/-0.000 χ^2/NDF:111602524.9/3

+ sign 1.191+/-0.000 χ^2/NDF: 205216882873.3/20

All: 1.218+/-0.000 χ^2/NDF: 430116783499.0

- sign 1.243+/-0.000 χ^2/NDF: 224615365675.9/22

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:27518.1/4

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

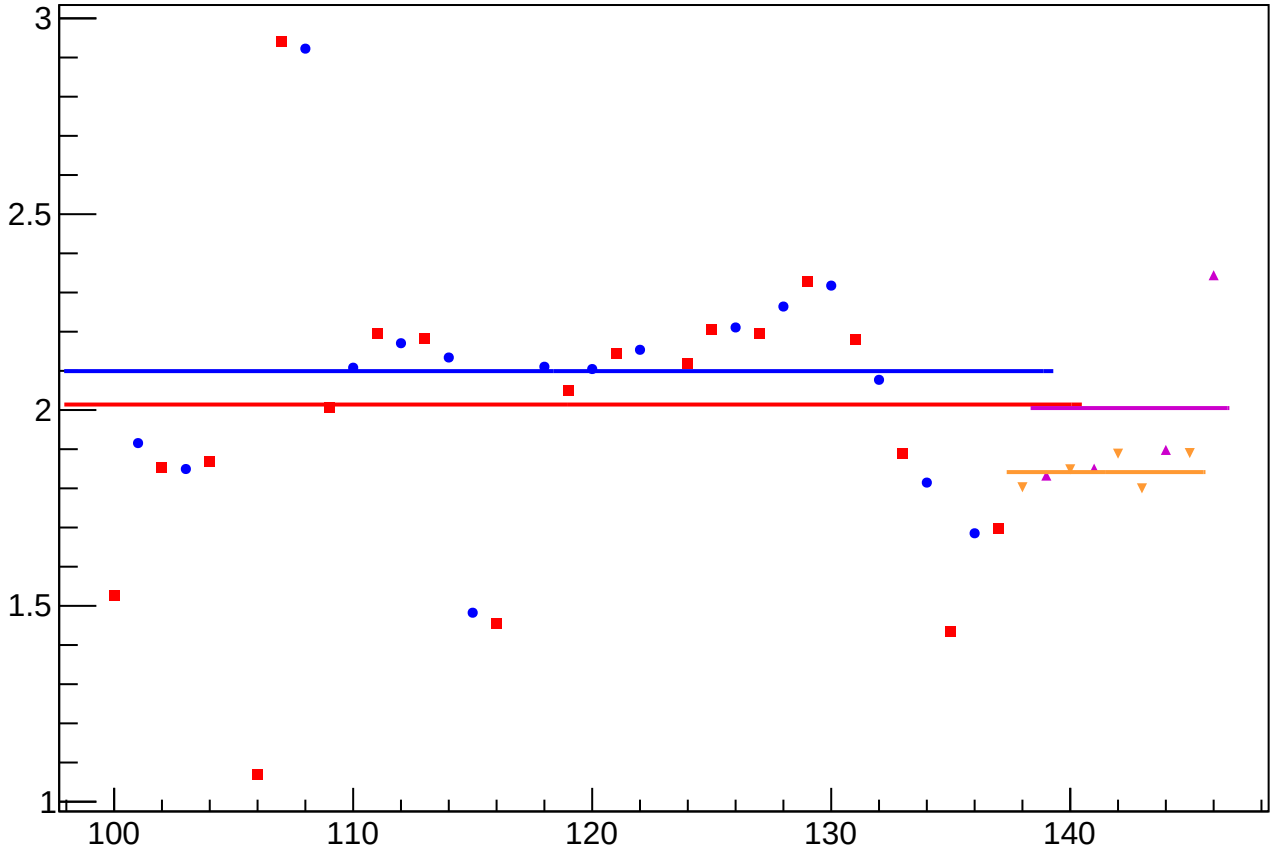
Left In: 0.007+/-0.000 χ^2/NDF:7249.1/3

+ sign 0.006+/-0.000 χ^2/NDF: 2308274.0/20

All: 0.006+/-0.000 χ^2/NDF: 4332880.2/43

- sign 0.006+/-0.000 χ^2/NDF: 2024553.2/22

yield_bpm0l06X_mean vs Slug



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 1.842+/-0.000 χ^2/NDF:62347534.1/4

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

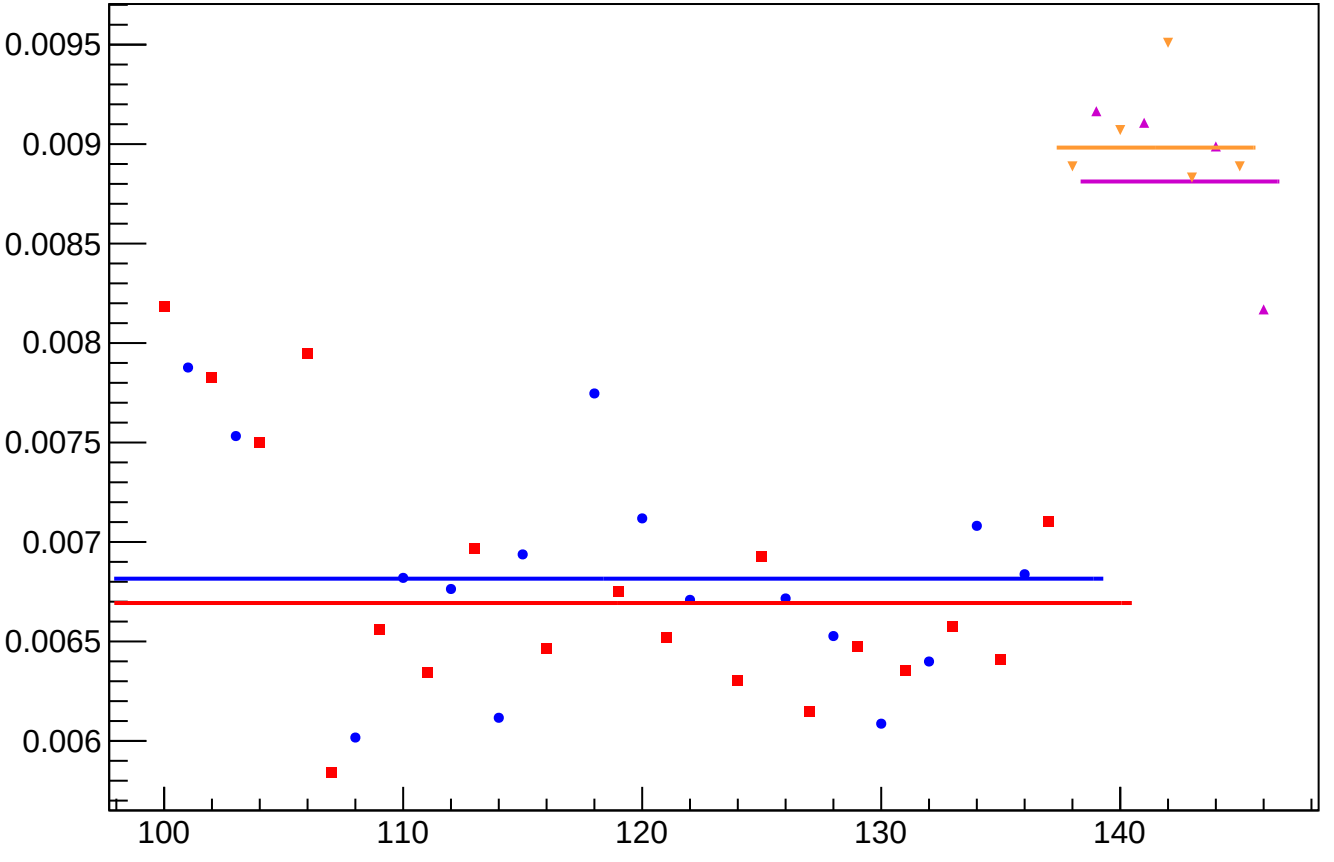
Left In: 2.005+/-0.000 χ^2/NDF:2094711941.8/3

+ sign 2.042+/-0.000 χ^2/NDF: 16149546552.7/20

All: 2.027+/-0.000 χ^2/NDF: 37952177408.3/4

- sign 2.012+/-0.000 χ^2/NDF: 21713299807.0/22

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF:3367.9/4

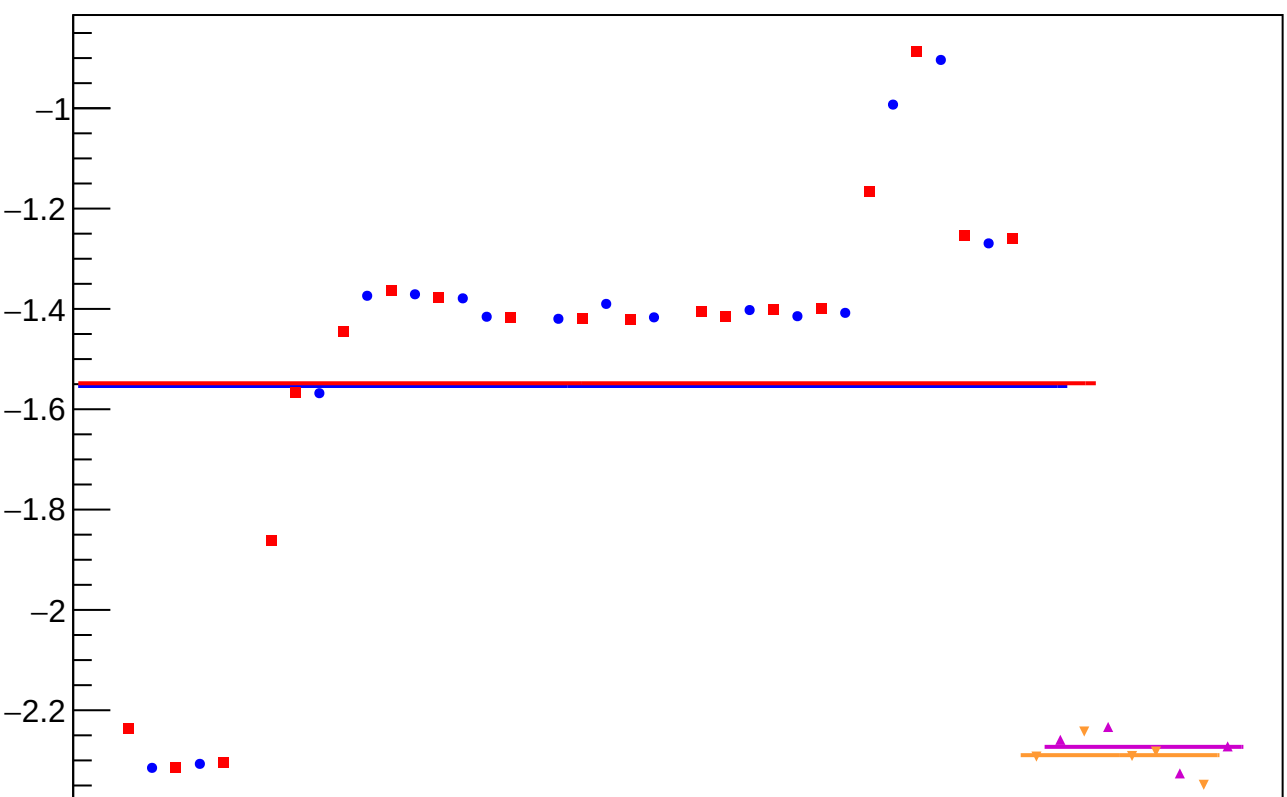
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:15207.3/3

+ sign 0.007+/-0.000 χ^2/NDF: 395156.8/20

All: 0.007+/-0.000 χ^2/NDF: 804579.3/43

- sign 0.007+/-0.000 χ^2/NDF: 404759.7/22



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.290+/-0.000 χ^2/NDF:391845459.9/4

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

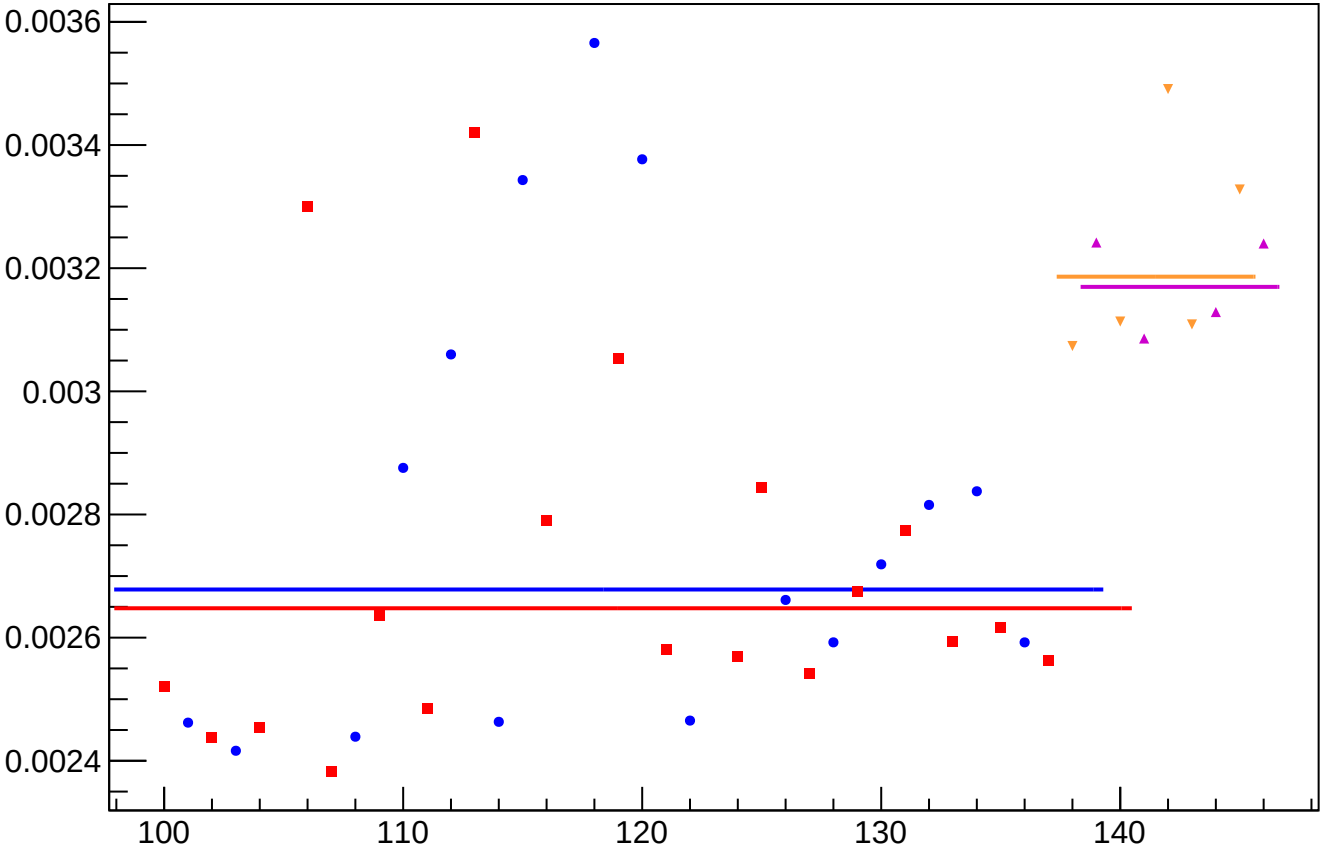
Left In: -2.273+/-0.000 χ^2/NDF:371049766.0/3

+ sign -1.738+/-0.000 χ^2/NDF: 302589881321.8/20

All: -1.728+/-0.000 χ^2/NDF: 601356703504.4

- sign -1.718+/-0.000 χ^2/NDF: 298518846610.2/22

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:12013.9/4

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

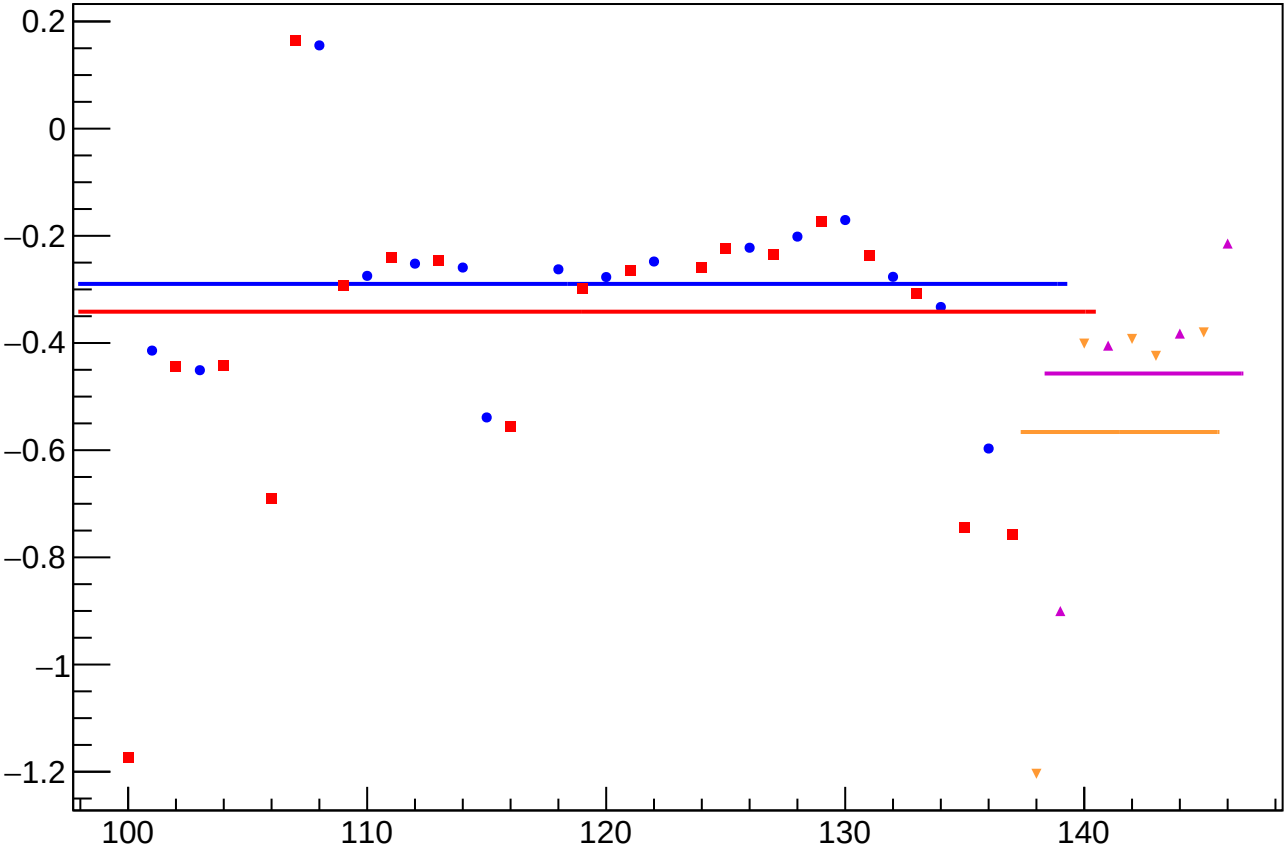
Left In: 0.003+/-0.000 χ^2/NDF:2882.6/3

+ sign 0.003+/-0.000 χ^2/NDF: 290975.2/20

All: 0.003+/-0.000 χ^2/NDF: 539605.2/43

- sign 0.003+/-0.000 χ^2/NDF: 247041.0/22

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.566+/-0.000 χ^2/NDF:1620753387.0/4

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

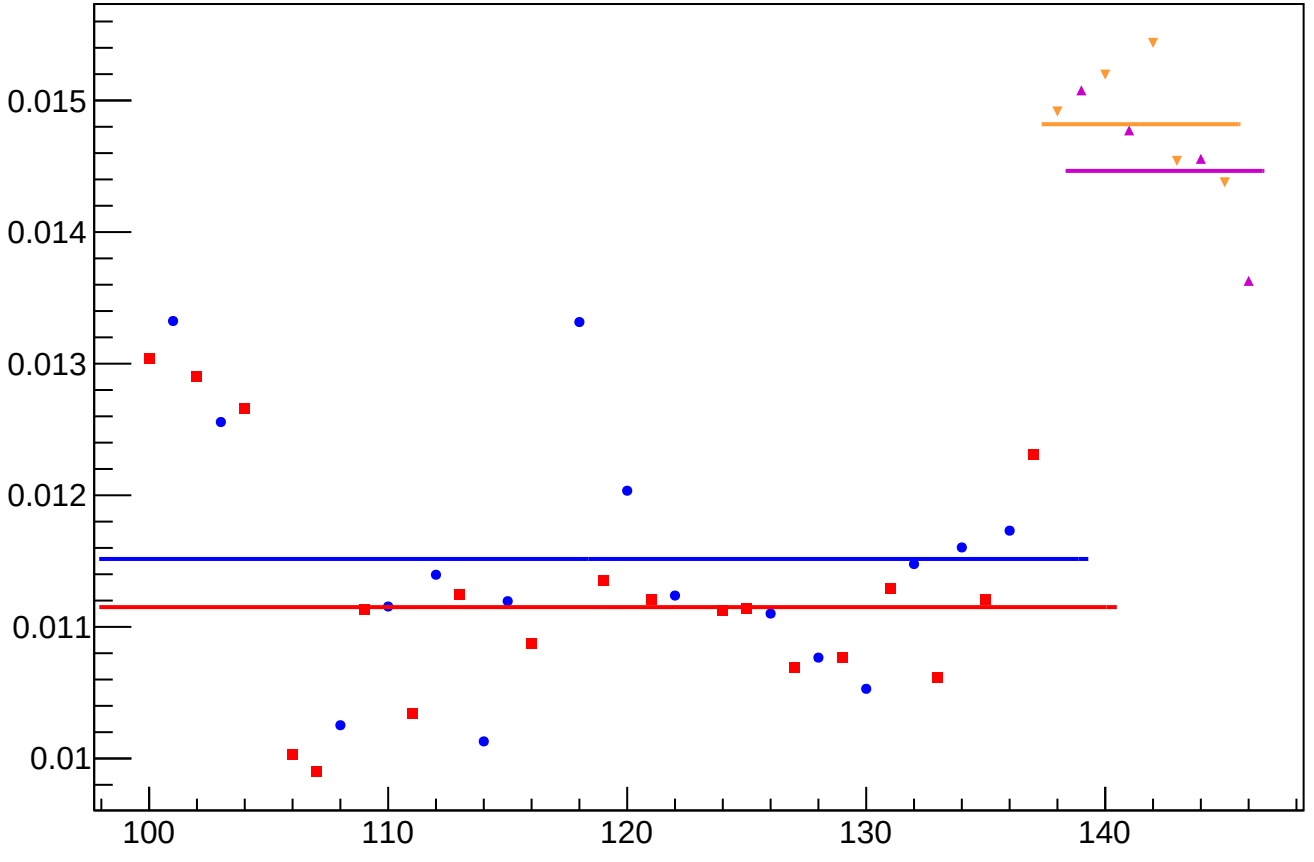
Left In: -0.457+/-0.000 χ^2/NDF:979688704.5/3

+ sign -0.352+/-0.000 χ^2/NDF: 4168583649.4/20

All: -0.359+/-0.000 χ^2/NDF: 7927837753.4/4

- sign -0.366+/-0.000 χ^2/NDF: 3752804289.6/22

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.015+/-0.000 χ^2/NDF:4265.9/4

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

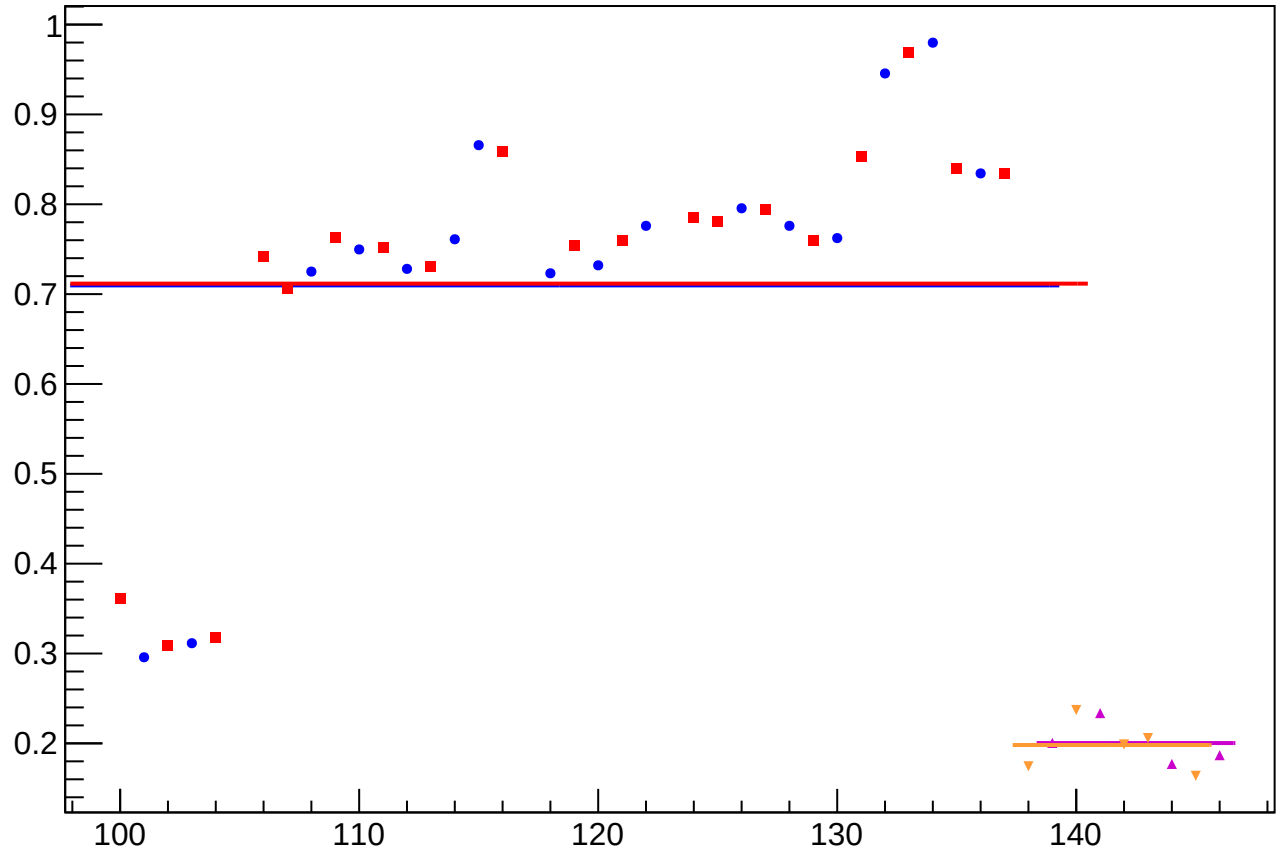
Left In: 0.014+/-0.000 χ^2/NDF:9535.2/3

+ sign 0.012+/-0.000 χ^2/NDF: 346512.5/20

All: 0.012+/-0.000 χ^2/NDF: 709393.9/43

- sign 0.012+/-0.000 χ^2/NDF: 350708.3/22

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.198+/-0.000 χ^2/NDF:620260980.5/4

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

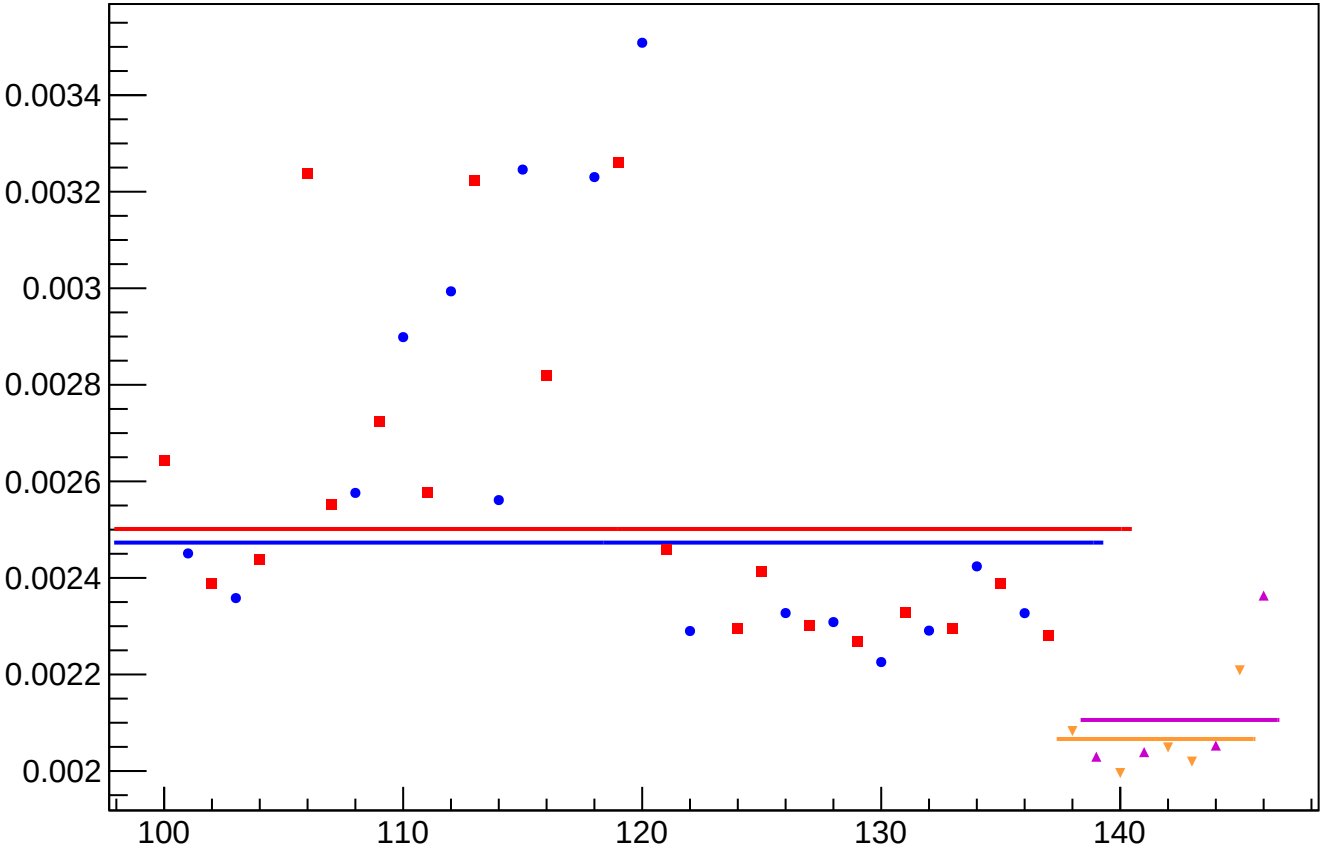
Left In: 0.200+/-0.000 χ^2/NDF:376909051.4/3

+ sign 0.488+/-0.000 χ^2/NDF: 175956472314.0/20

All: 0.495+/-0.000 χ^2/NDF: 341524486334.0

- sign 0.501+/-0.000 χ^2/NDF: 165393985555.5/22

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:9669.8/4

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

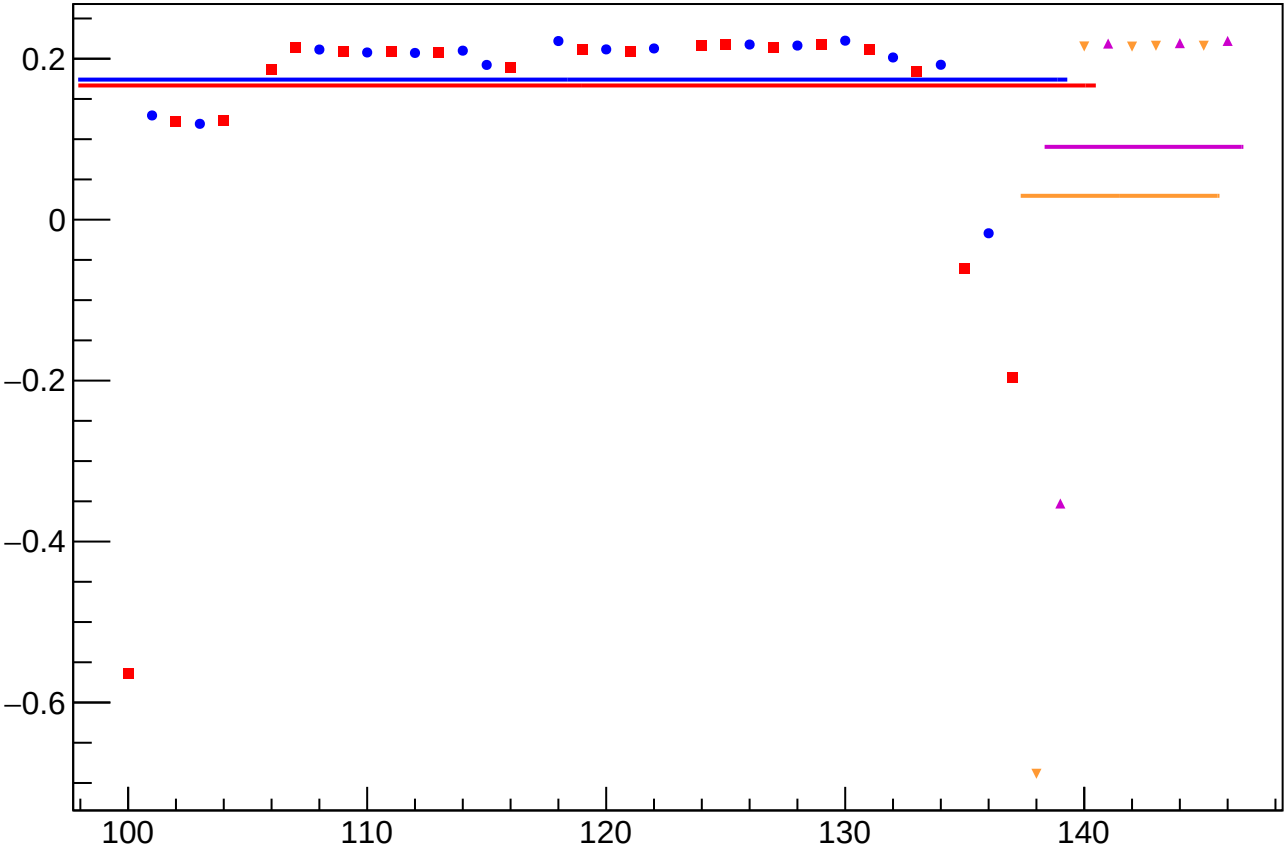
Left In: 0.002+/-0.000 χ^2/NDF:26433.2/3

+ sign 0.002+/-0.000 χ^2/NDF: 377571.1/20

All: 0.002+/-0.000 χ^2/NDF: 729499.8/43

- sign 0.002+/-0.000 χ^2/NDF: 348537.4/22

yield_bpm0l08X_mean vs Slug



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.030+/-0.000 χ^2/NDF:2527744380.7/4

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

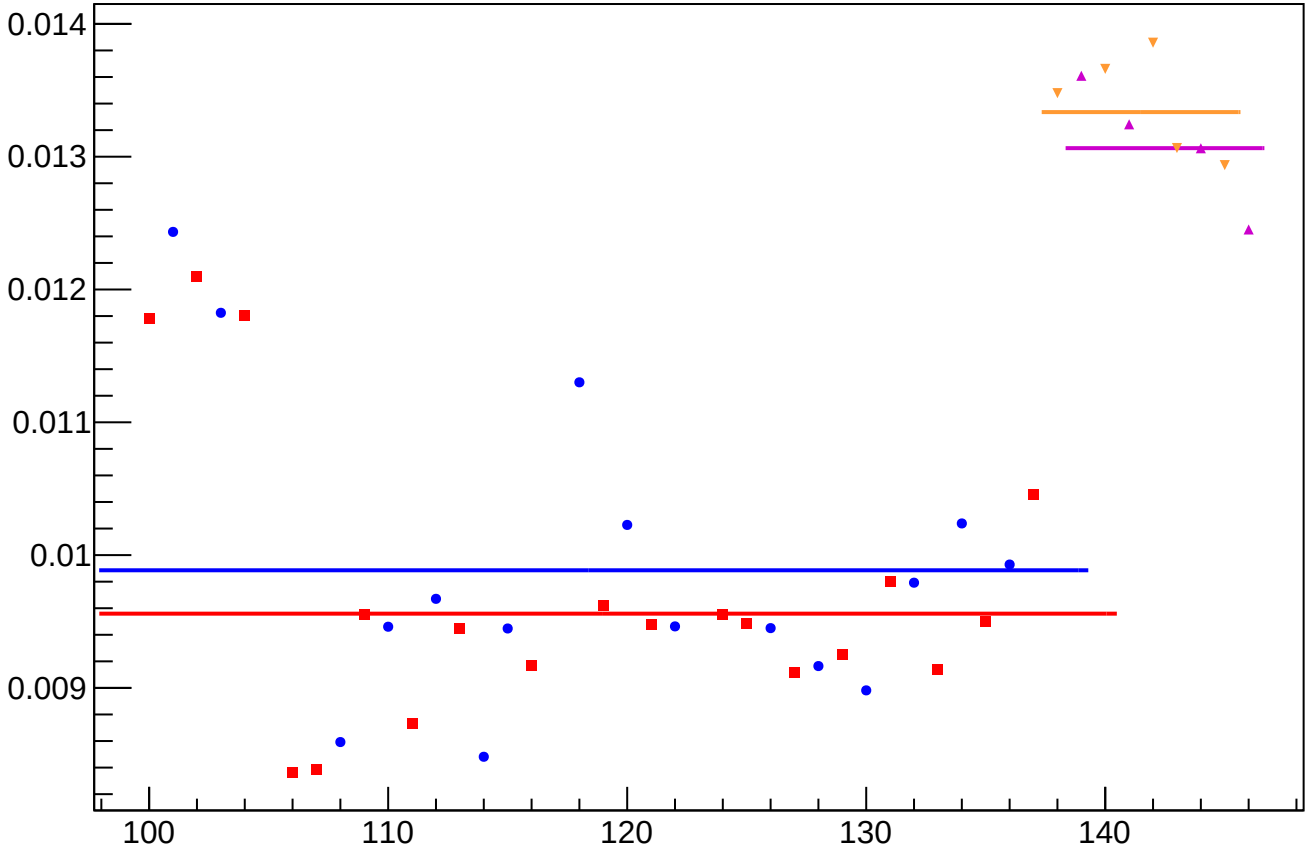
Left In: 0.090+/-0.000 χ^2/NDF:1100736329.8/3

+ sign 0.143+/-0.000 χ^2/NDF: 3240423175.9/20

All: 0.148+/-0.000 χ^2/NDF: 5328165286.2/43

- sign 0.152+/-0.000 χ^2/NDF: 2084424847.9/22

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.013+/-0.000 χ^2/NDF:4254.8/4

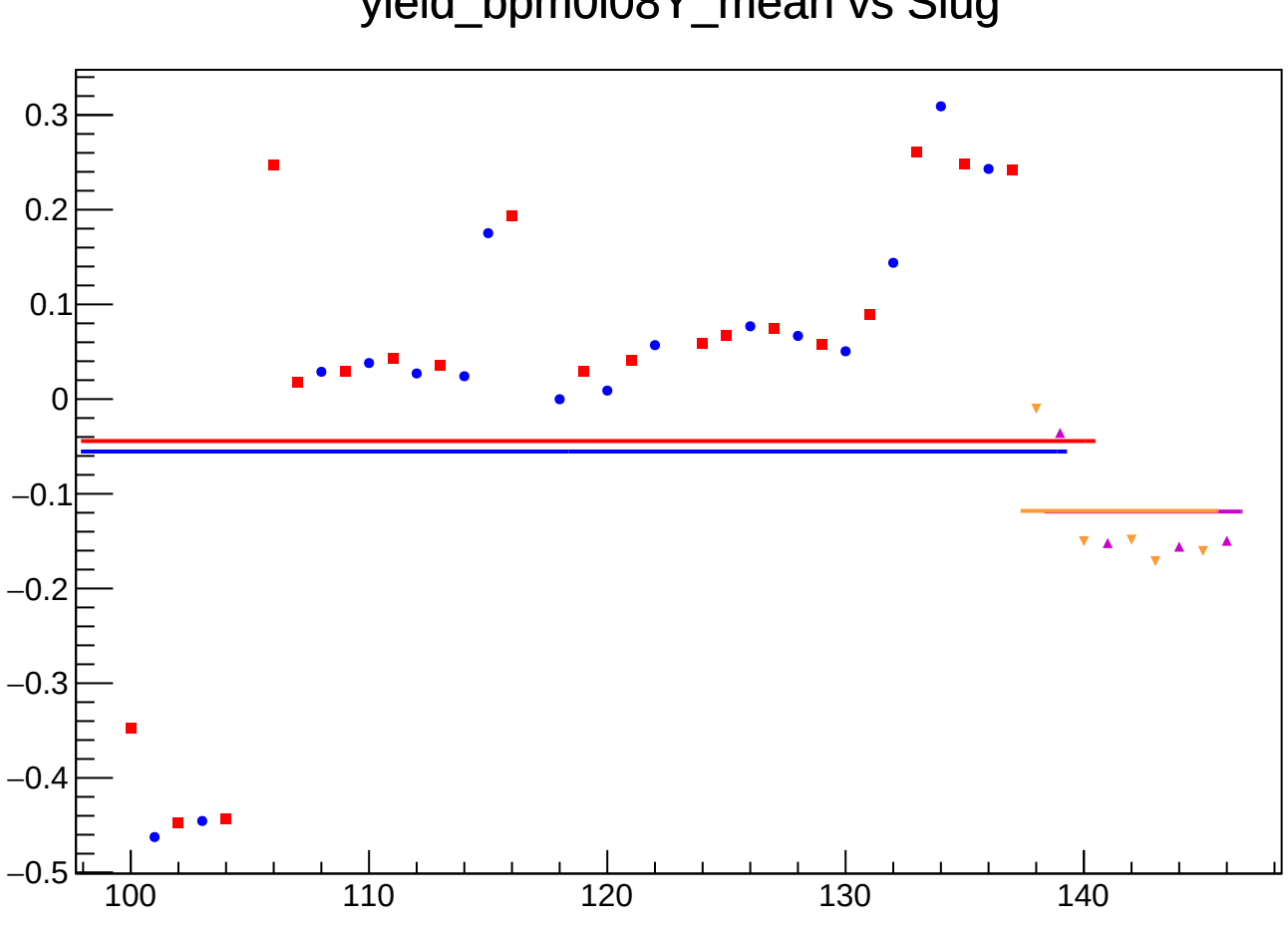
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:6791.7/3

+ sign 0.011+/-0.000 χ^2/NDF: 507525.1/20

All: 0.010+/-0.000 χ^2/NDF: 1042151.0/43

- sign 0.010+/-0.000 χ^2/NDF: 521594.5/22



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.118+/-0.000 χ^2/NDF:1539897844.1/4

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

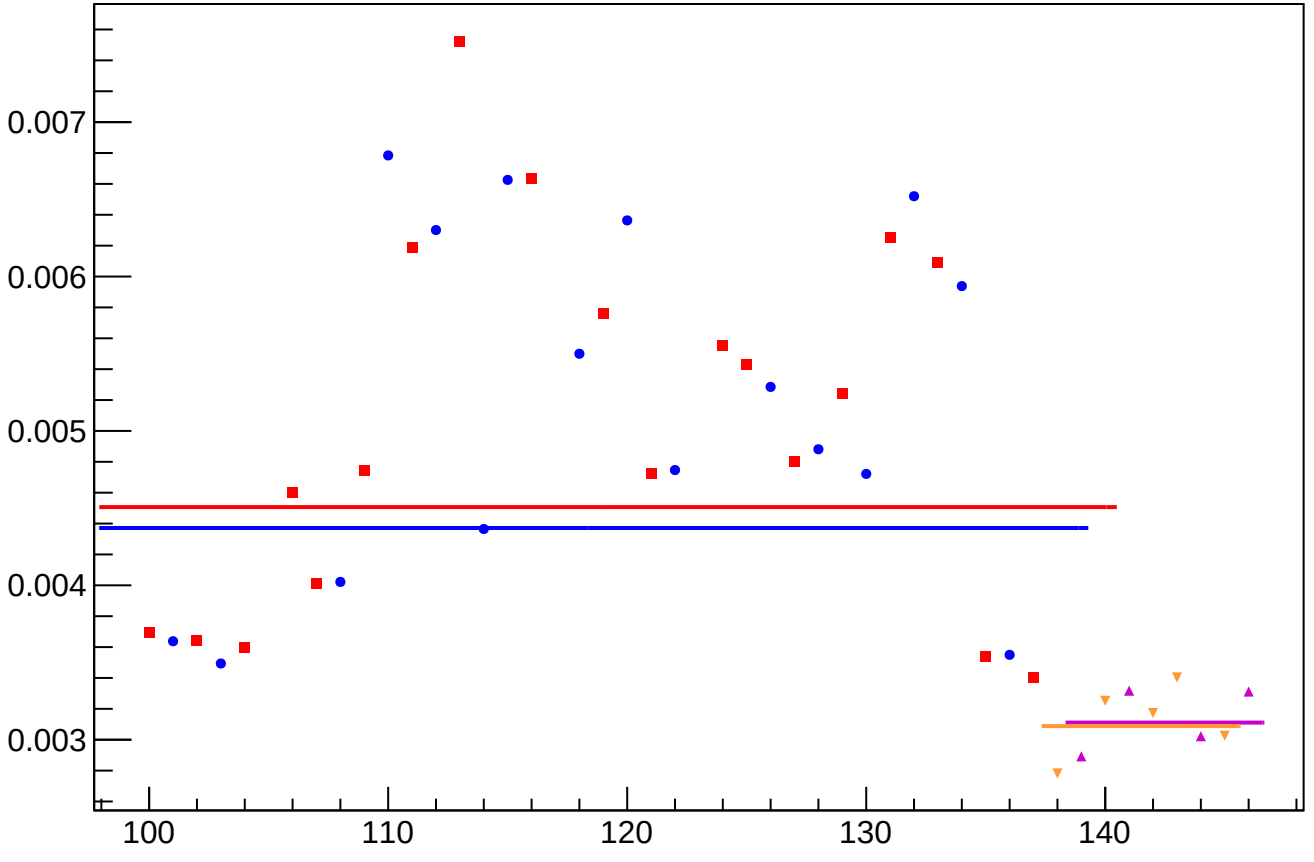
Left In: -0.119+/-0.000 χ^2/NDF:945416408.3/3

+ sign -0.088+/-0.000 χ^2/NDF: 26278397096.9/20

All: -0.085+/-0.000 χ^2/NDF: 50268260930.6/

- sign -0.083+/-0.000 χ^2/NDF: 23980013043.9/22

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:35125.8/4

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

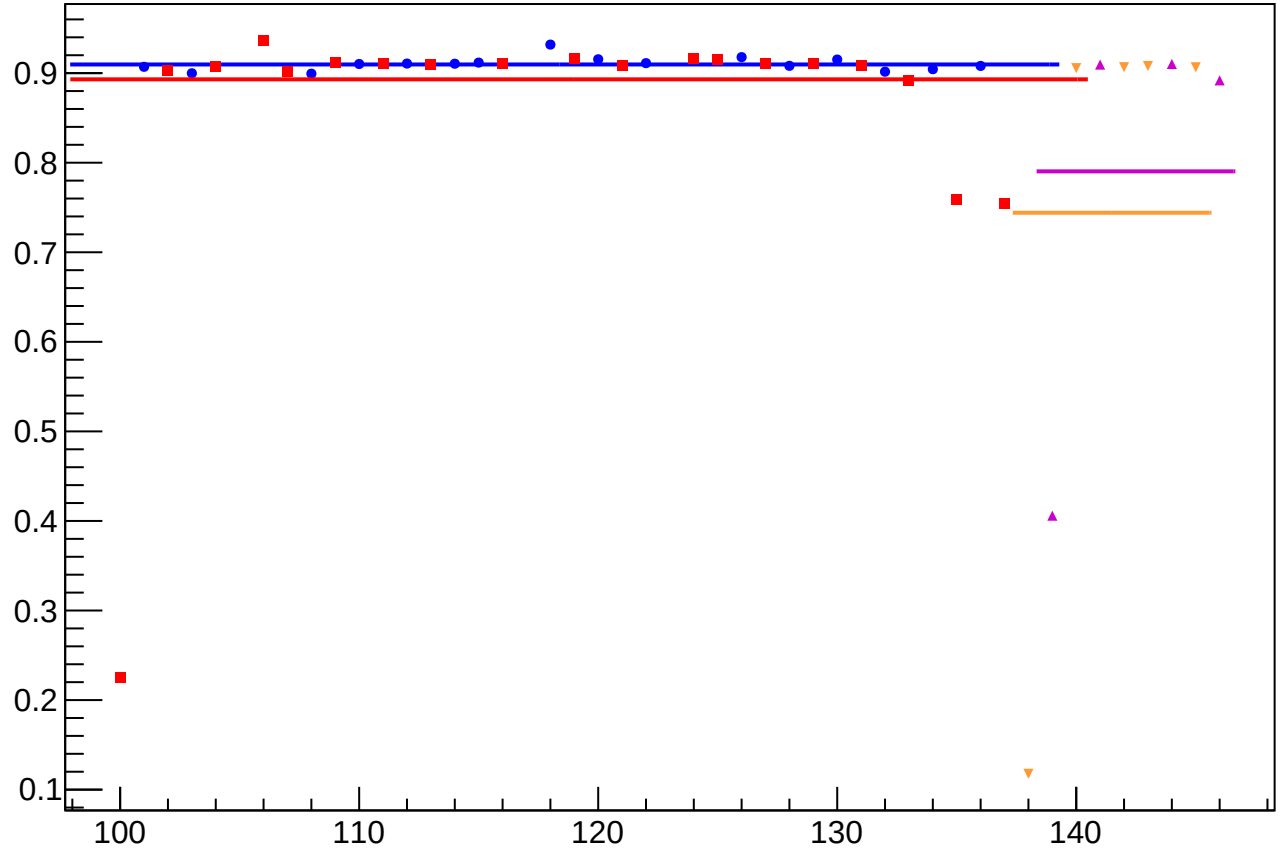
Left In: 0.003+/-0.000 χ^2/NDF:22716.1/3

+ sign 0.004+/-0.000 χ^2/NDF: 1244773.5/20

All: 0.004+/-0.000 χ^2/NDF: 2608387.2/43

- sign 0.004+/-0.000 χ^2/NDF: 1358664.7/22

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.744+/-0.000 χ^2/NDF:2091472333.0/4

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

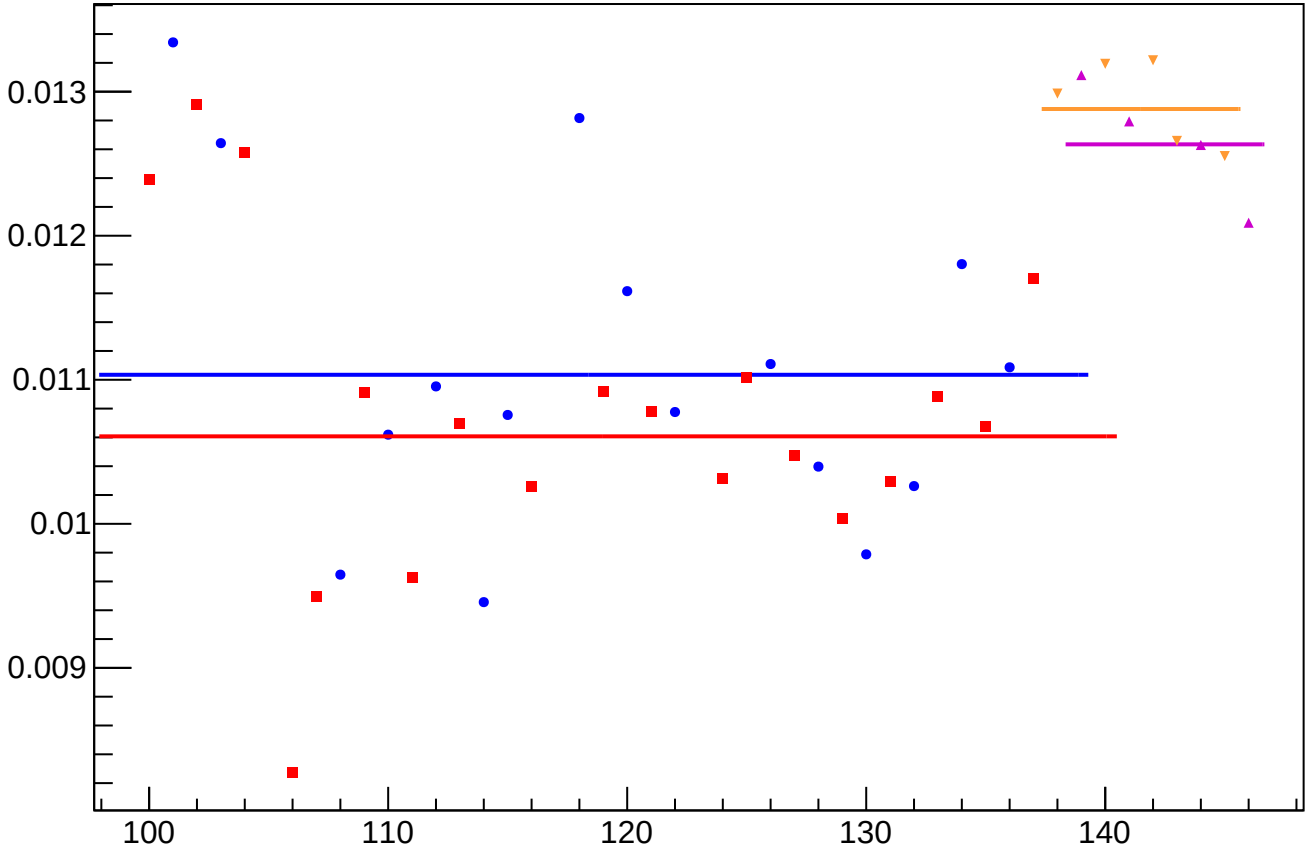
Left In: 0.790+/-0.000 χ^2/NDF:901971485.5/3

+ sign 0.865+/-0.000 χ^2/NDF: 2507173655.9/20

All: 0.867+/-0.000 χ^2/NDF: 3902440027.3/43

- sign 0.868+/-0.000 χ^2/NDF: 1395014157.6/22

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:3000.4/4

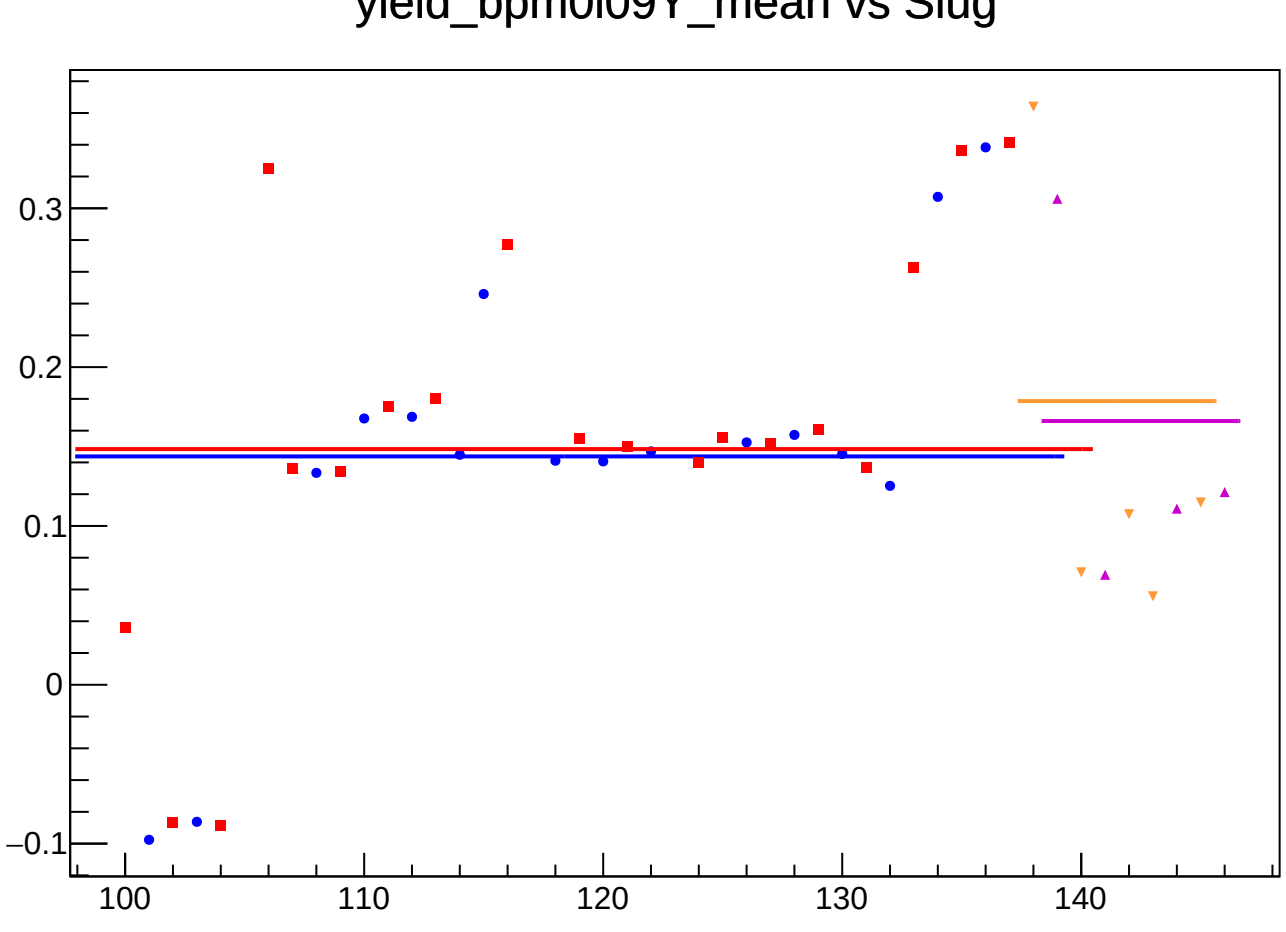
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.013+/-0.000 χ^2/NDF:5752.3/3

+ sign 0.012+/-0.000 χ^2/NDF: 235850.7/20

All: 0.011+/-0.000 χ^2/NDF: 528611.7/43

- sign 0.011+/-0.000 χ^2/NDF: 278205.9/22



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.179+/-0.000 χ^2/NDF:3966178826.4/4

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

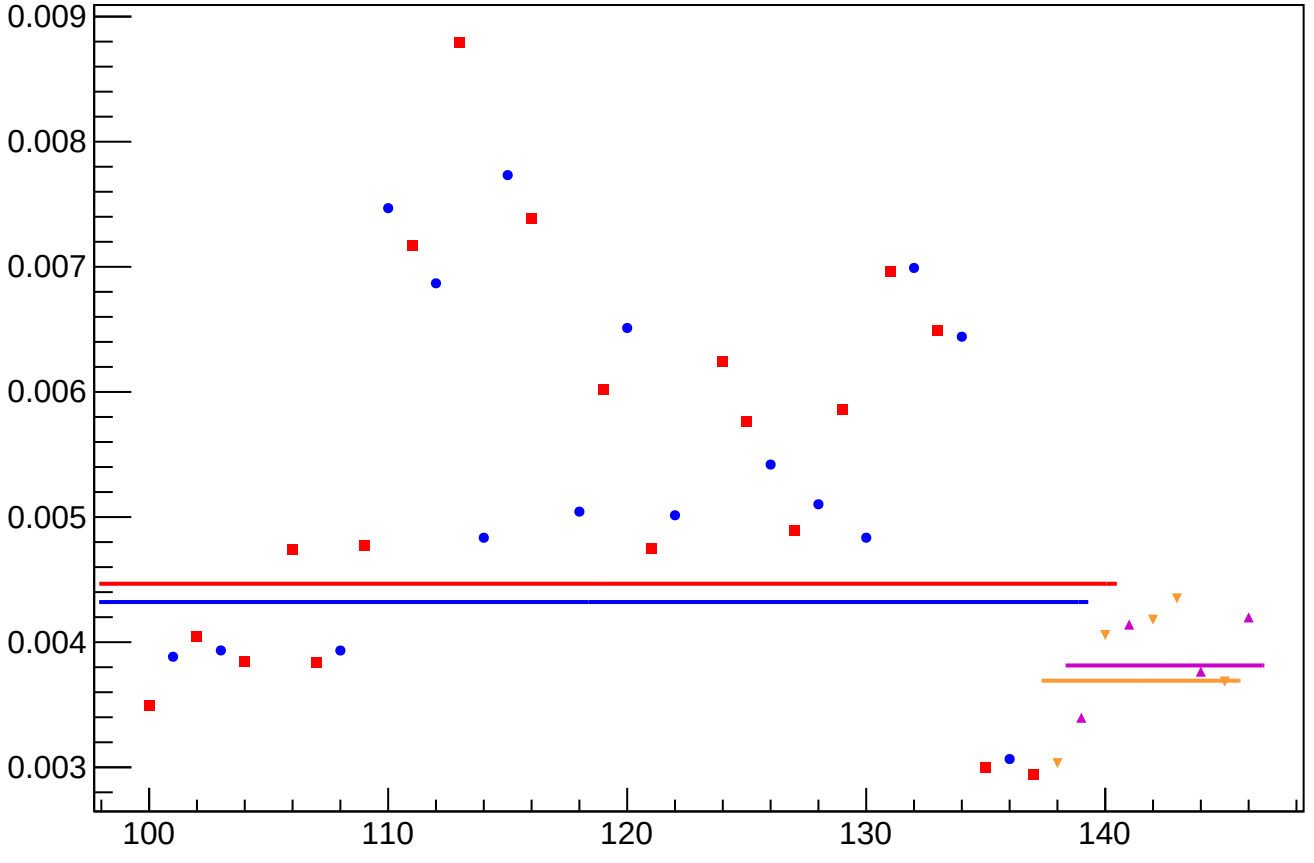
Left In: 0.166+/-0.000 χ^2/NDF:1979743615.8/3

+ sign 0.159+/-0.000 χ^2/NDF: 11993320116.2/20

All: 0.157+/-0.000 χ^2/NDF: 21142606508.1/4

- sign 0.156+/-0.000 χ^2/NDF: 9146907508.5/22

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:119175.4/4

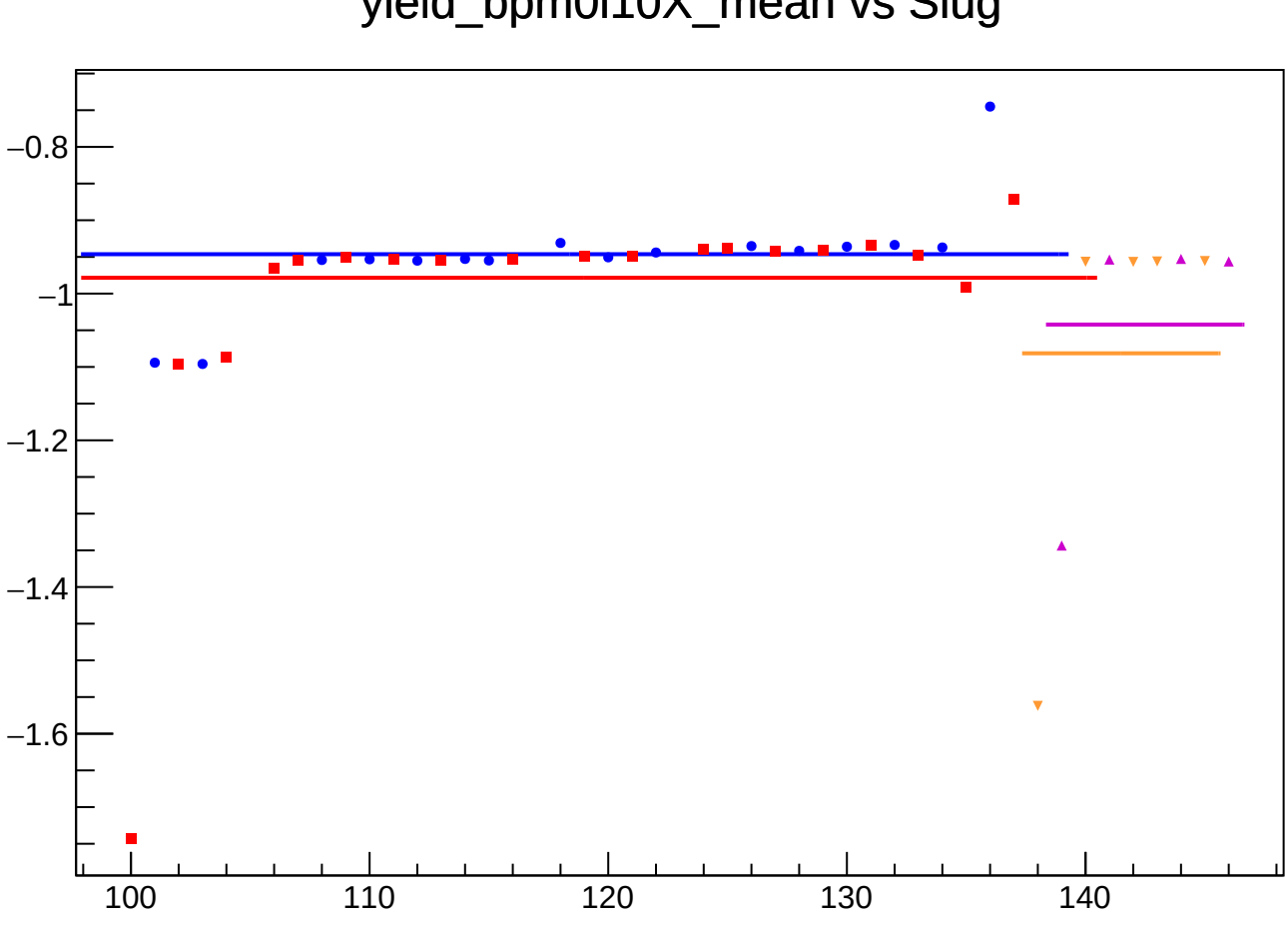
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:45537.2/3

+ sign 0.004+/-0.000 χ^2/NDF: 1101516.1/20

All: 0.004+/-0.000 χ^2/NDF: 2349078.3/43

- sign 0.004+/-0.000 χ^2/NDF: 1236602.0/22



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.081+/-0.000 χ^2/NDF:1588576849.1/4

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

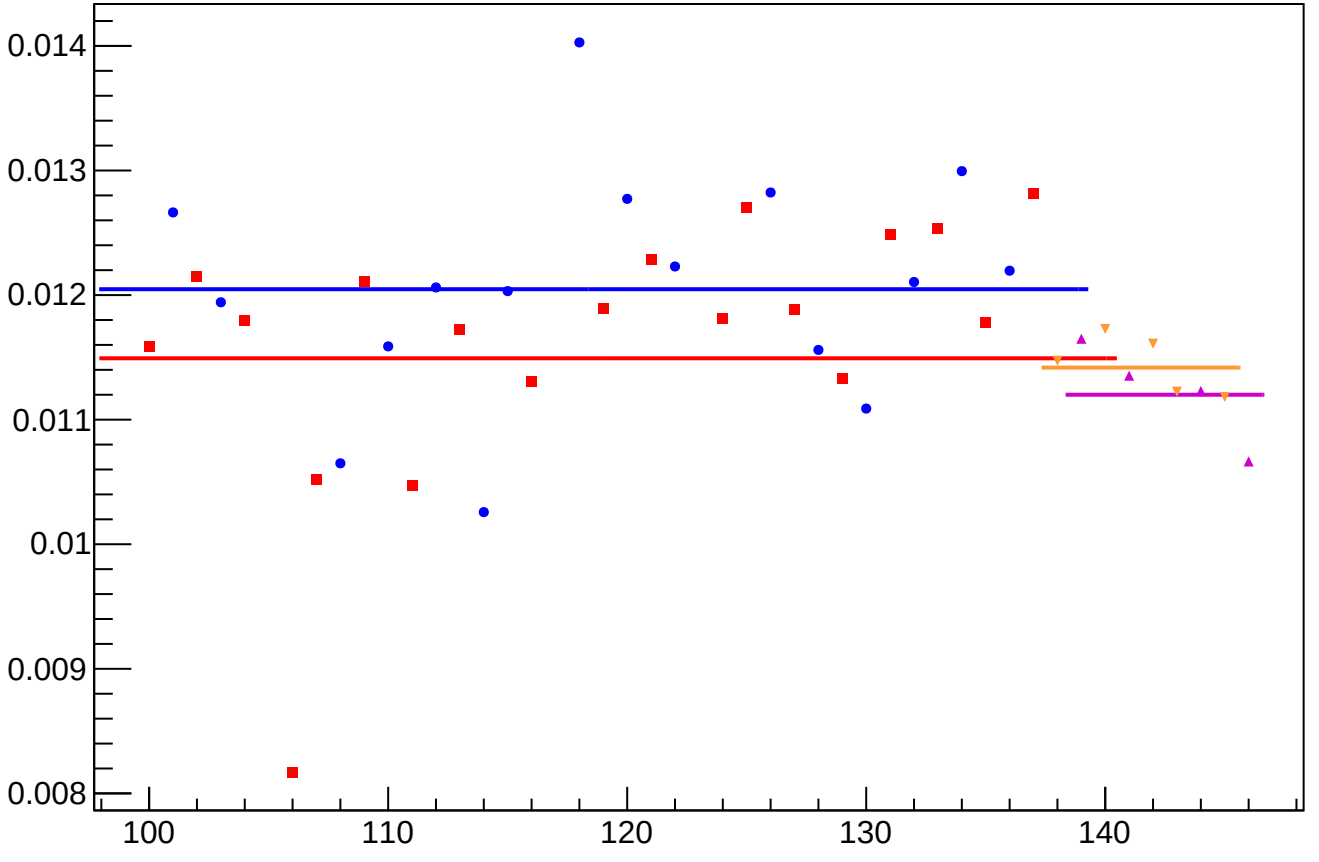
Left In: -1.042+/-0.000 χ^2/NDF:703996890.0/3

+ sign -0.995+/-0.000 χ^2/NDF: 2302433669.2/20

All: -0.997+/-0.000 χ^2/NDF: 3540833868.2/4

- sign -0.999+/-0.000 χ^2/NDF: 1237537828.3/22

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:2480.7/4

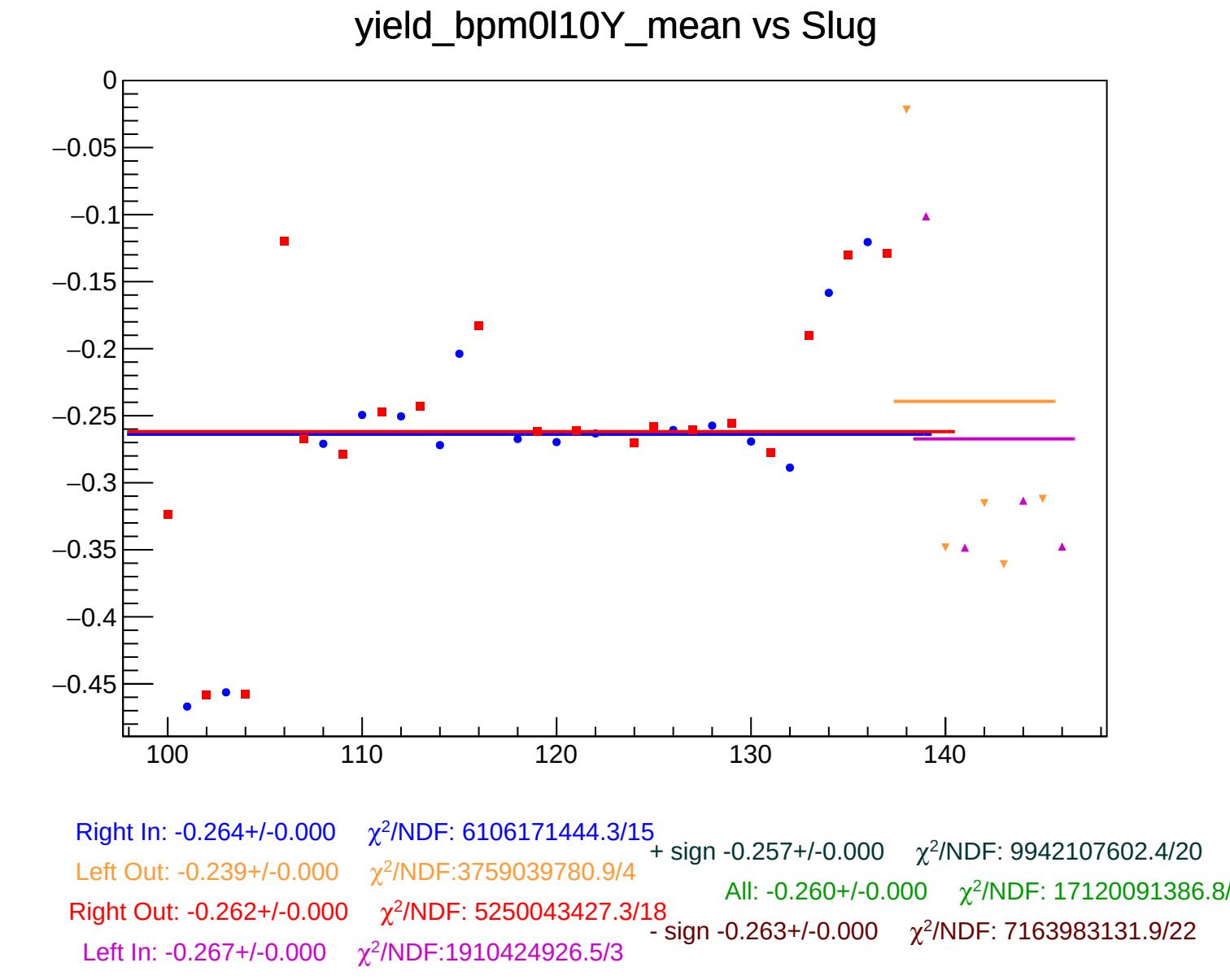
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:6913.8/3

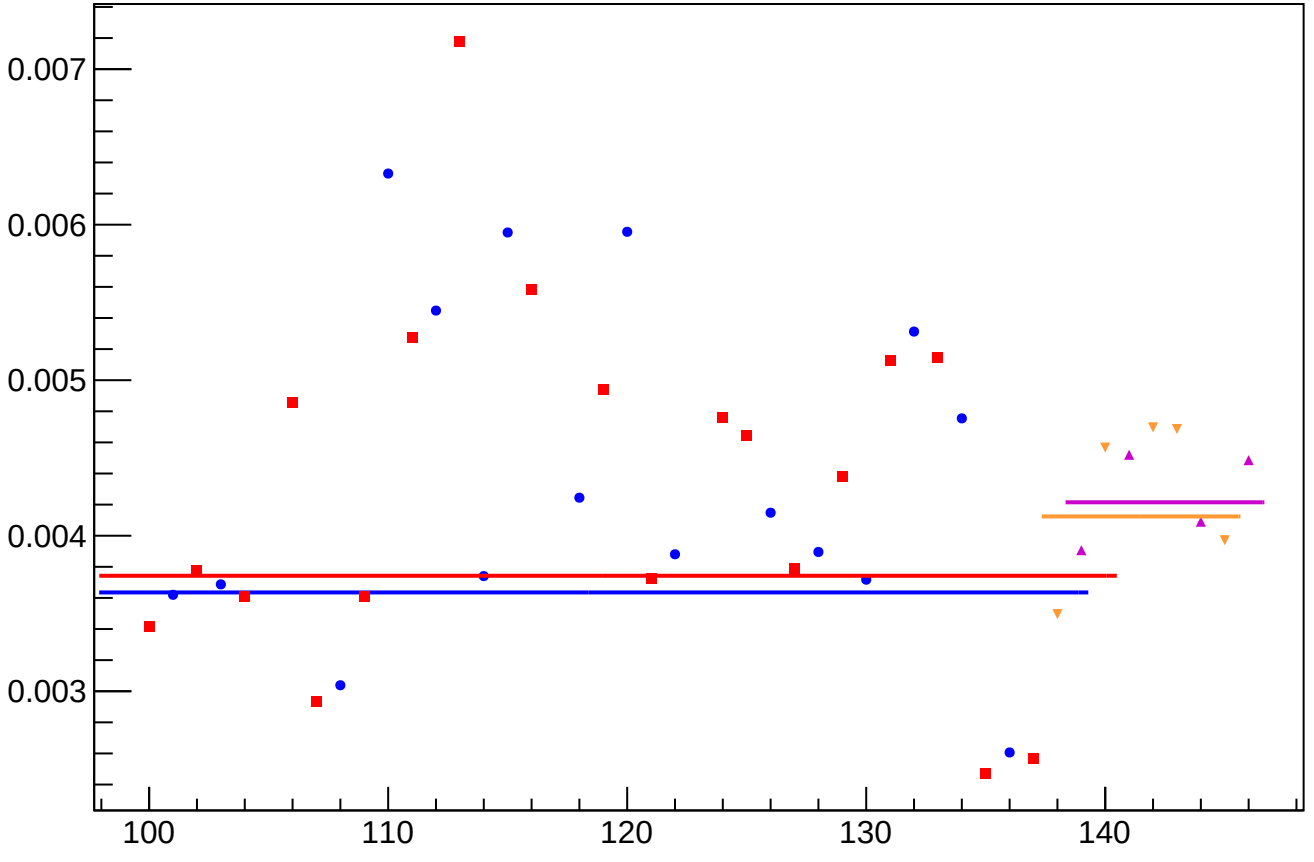
+ sign 0.012+/-0.000 χ^2/NDF: 78377.0/20

All: 0.012+/-0.000 χ^2/NDF: 253604.6/43

- sign 0.011+/-0.000 χ^2/NDF: 161273.7/22


yield_bpm0l10Y_mean vs Slug
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
100
110
120
130
140
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.239+/-0.000 χ²/NDF:3759039780.9/4
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.267+/-0.000 χ²/NDF:1910424926.5/3
+ sign -0.257+/-0.000 χ²/NDF: 9942107602.4/20
All: -0.260+/-0.000 χ²/NDF: 17120091386.8/
- sign -0.263+/-0.000 χ²/NDF: 7163983131.9/22

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:88751.7/4

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

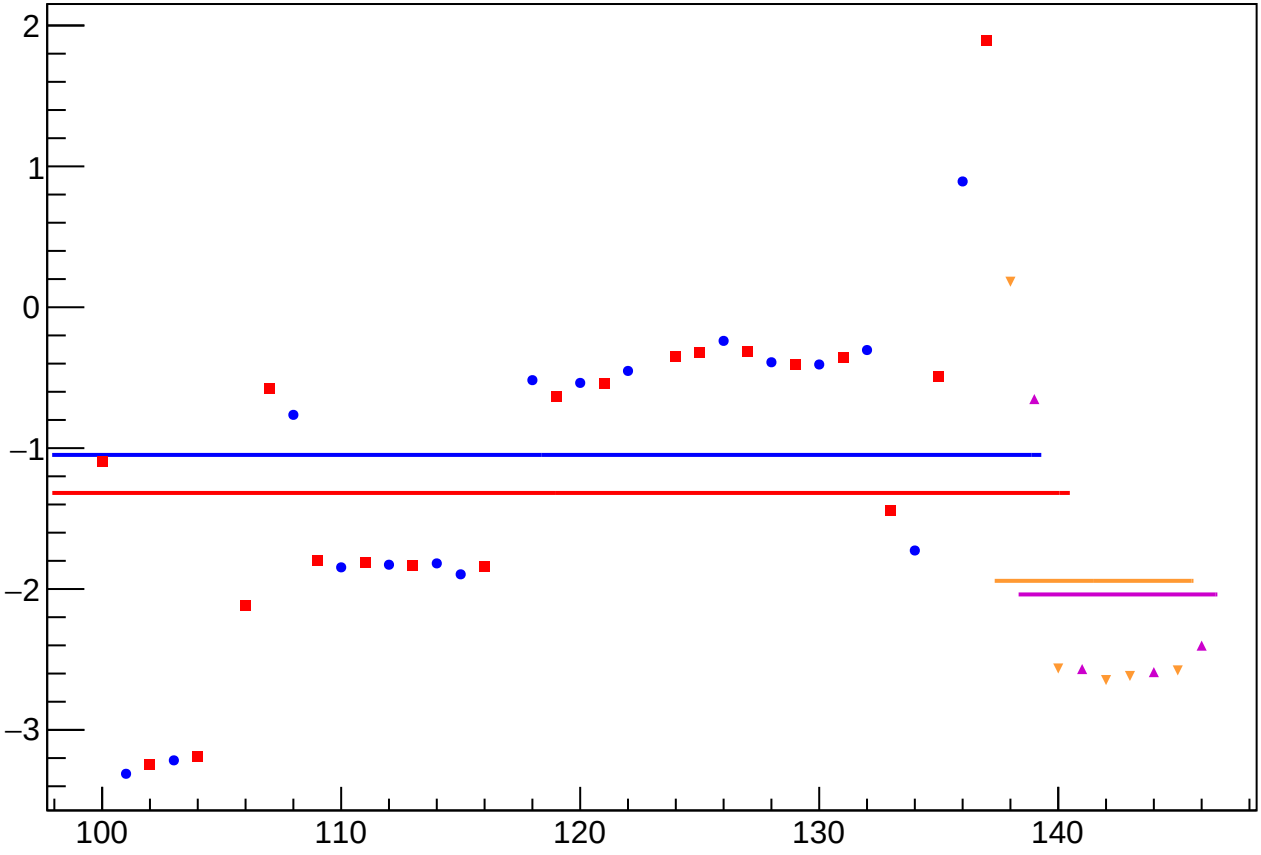
Left In: 0.004+/-0.000 χ^2/NDF:22764.2/3

+ sign 0.004+/-0.000 χ^2/NDF: 878461.6/20

All: 0.004+/-0.000 χ^2/NDF: 1855263.8/43

- sign 0.004+/-0.000 χ^2/NDF: 971057.5/22

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.942+/-0.000 χ^2/NDF:887814543.6/4

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

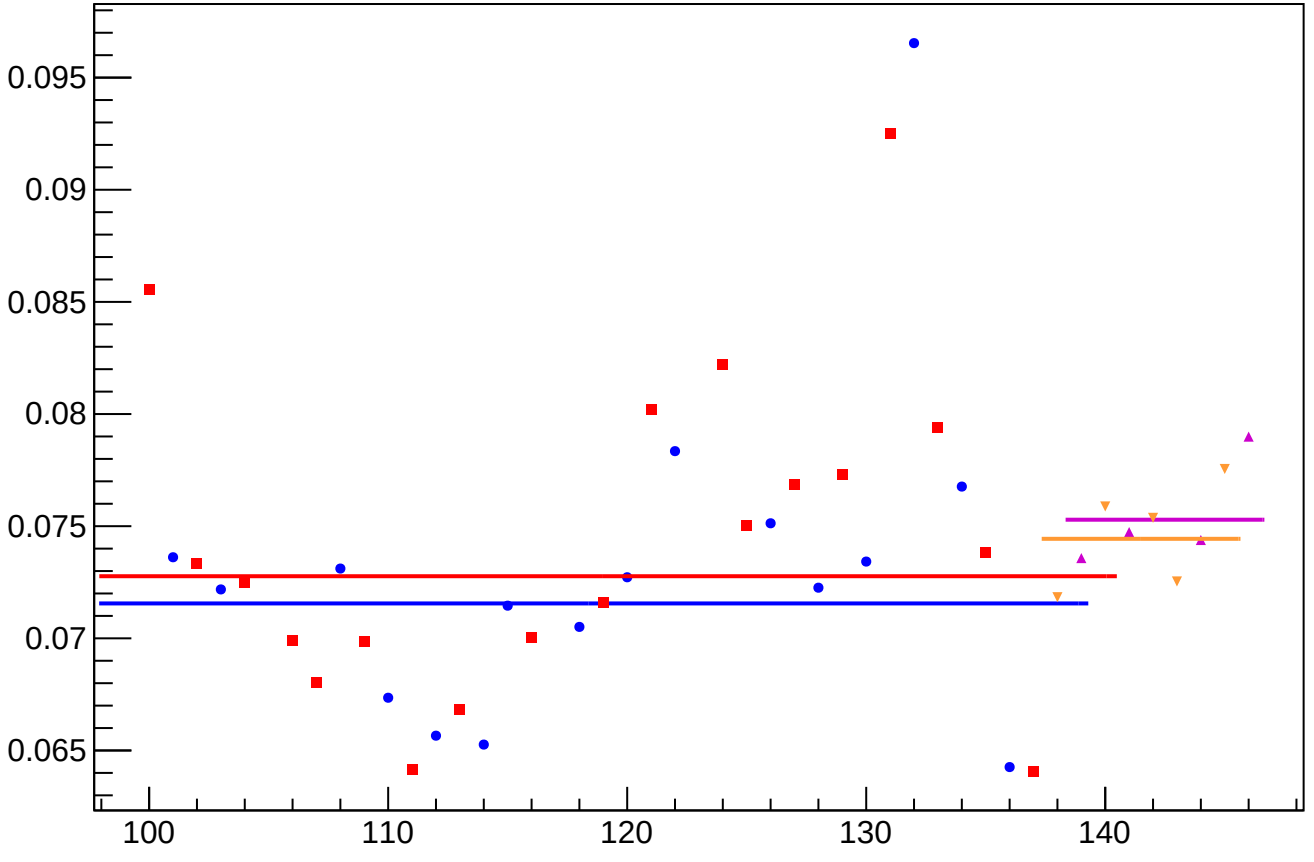
Left In: -2.038+/-0.000 χ^2/NDF:407543669.5/3

+ sign -1.332+/-0.000 χ^2/NDF: 3582803937.3/20

All: -1.434+/-0.000 χ^2/NDF: 6096234344.7/4

- sign -1.537+/-0.000 χ^2/NDF: 2471831725.8/22

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:6324.4/4

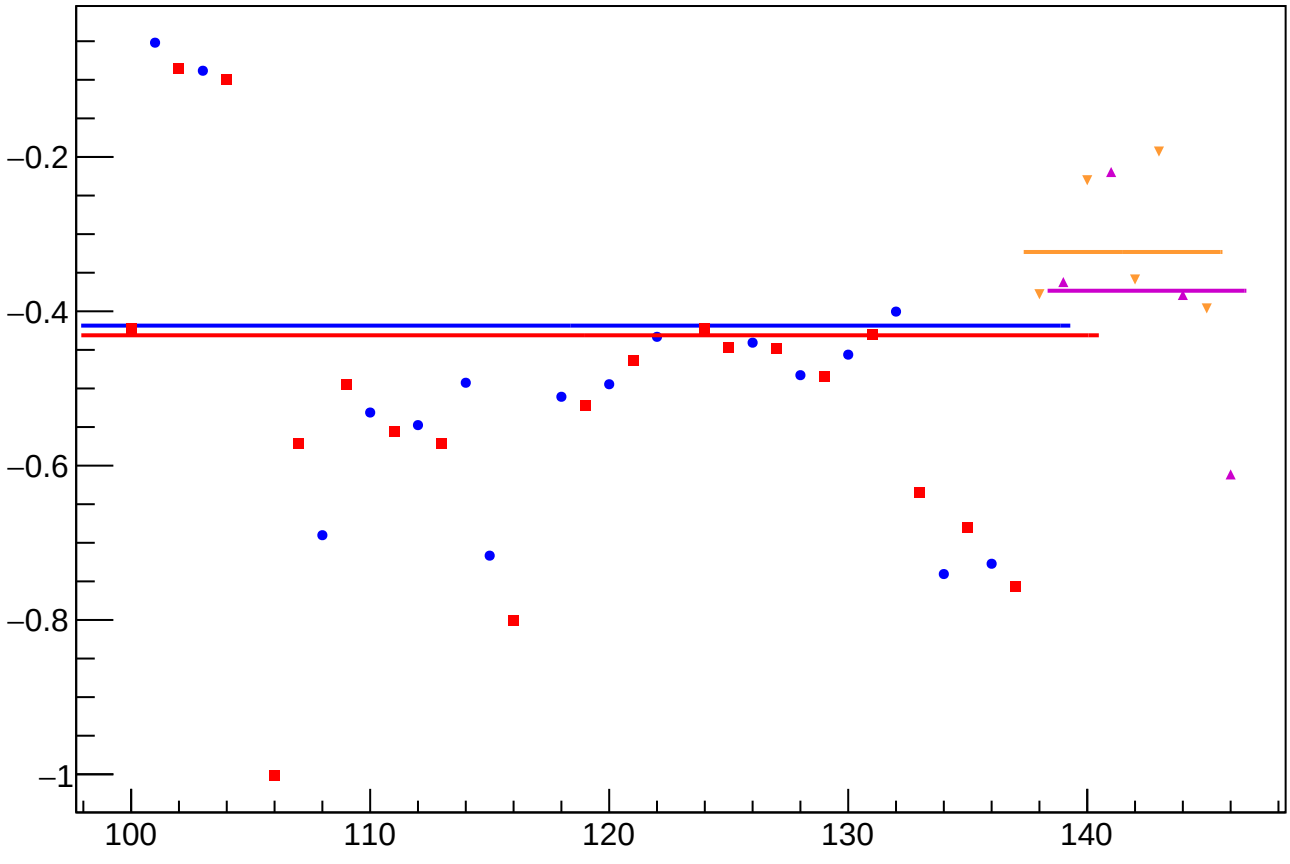
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:4915.6/3

+ sign 0.072+/-0.000 χ^2/NDF: 114791.8/20

All: 0.073+/-0.000 χ^2/NDF: 224116.7/43

- sign 0.074+/-0.000 χ^2/NDF: 107080.4/22



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.323+/-0.000 χ^2/NDF:279390842.5/4

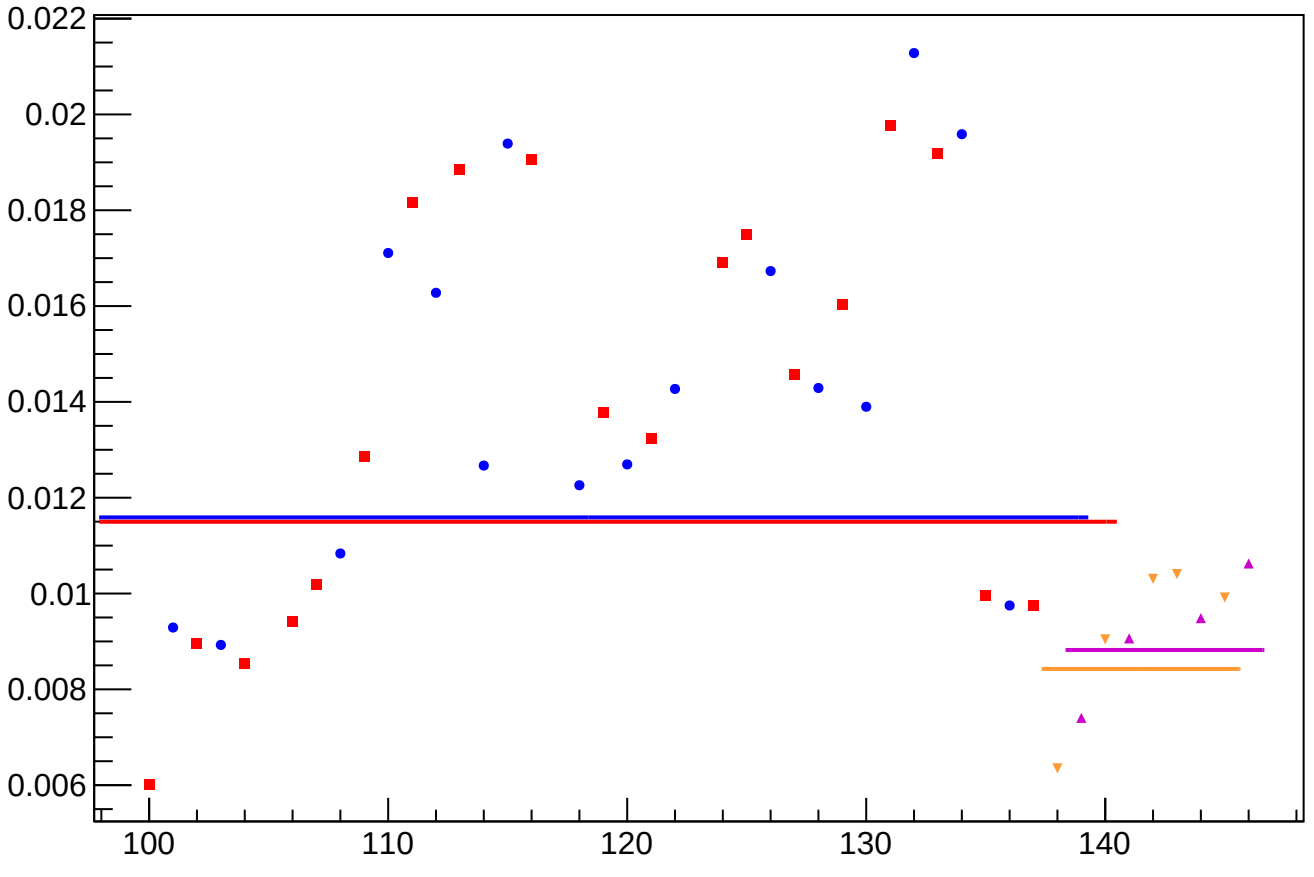
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.373+/-0.000 χ^2/NDF:593980691.8/3

+ sign -0.371+/-0.000 χ^2/NDF: 3552064887.5/20

All: -0.387+/-0.000 χ^2/NDF: 7460303396.0/4

- sign -0.404+/-0.000 χ^2/NDF: 3860799875.3/22



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:267102.9/4

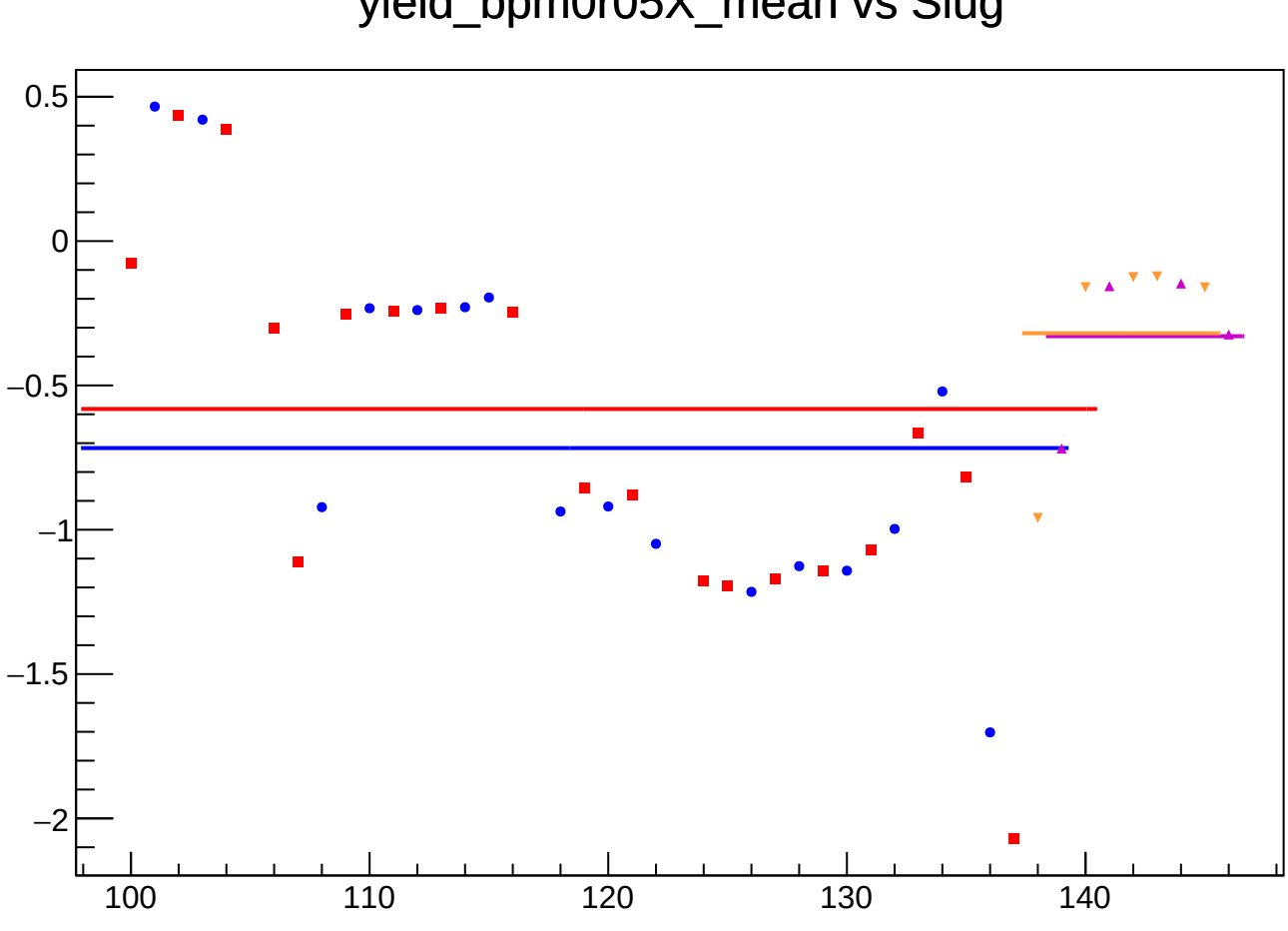
Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.009+/-0.000 χ^2/NDF:108683.4/3

+ sign 0.010+/-0.000 χ^2/NDF: 1493922.3/20

All: 0.010+/-0.000 χ^2/NDF: 3073725.2/43

- sign 0.010+/-0.000 χ^2/NDF: 1574850.9/22



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.319+/-0.000 χ^2/NDF:59503824.2/4

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

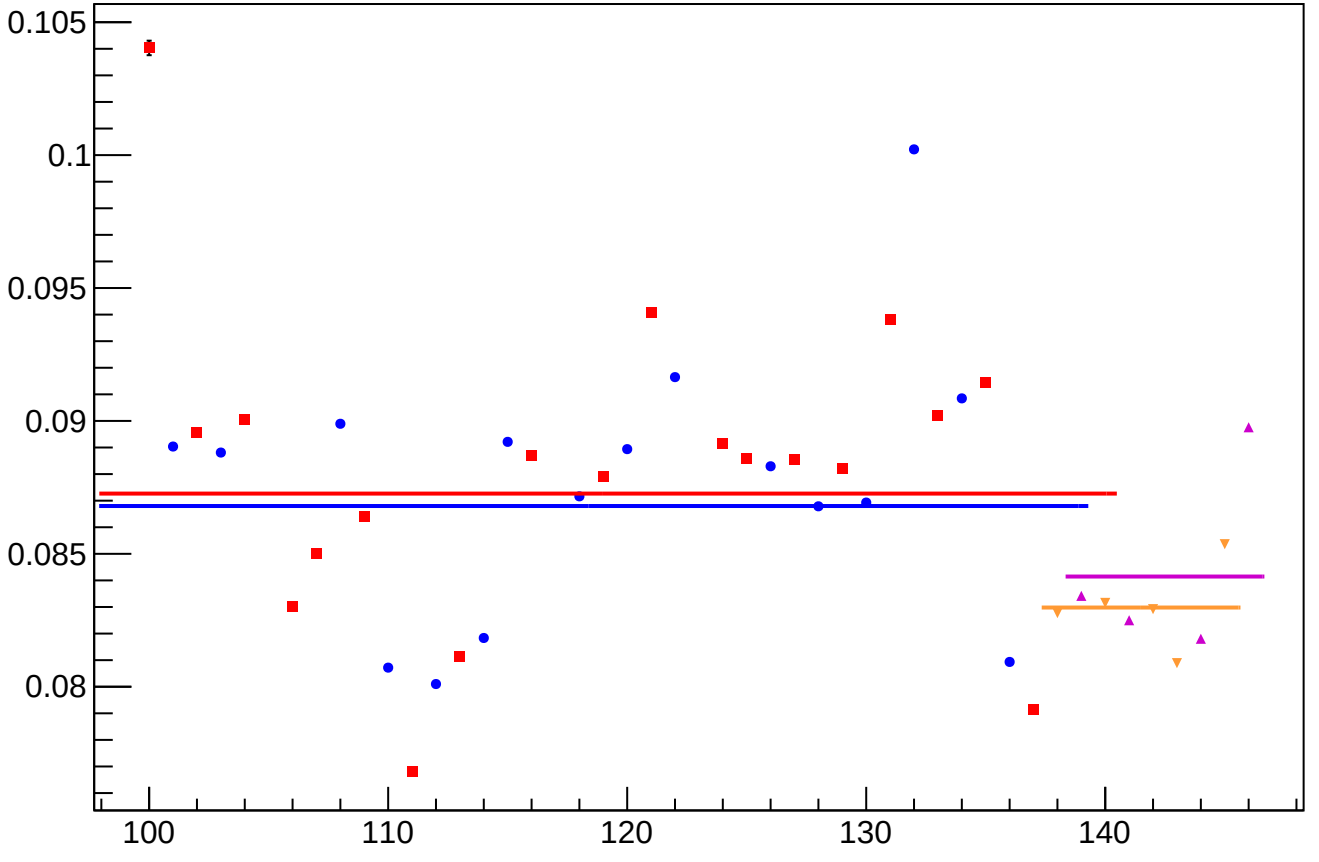
Left In: -0.330+/-0.000 χ^2/NDF:26688194.0/3

+ sign -0.575+/-0.000 χ^2/NDF: 550763795.0/20

All: -0.536+/-0.000 χ^2/NDF: 944748040.8/43

- sign -0.497+/-0.000 χ^2/NDF: 389521871.7/22

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:2340.9/4

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

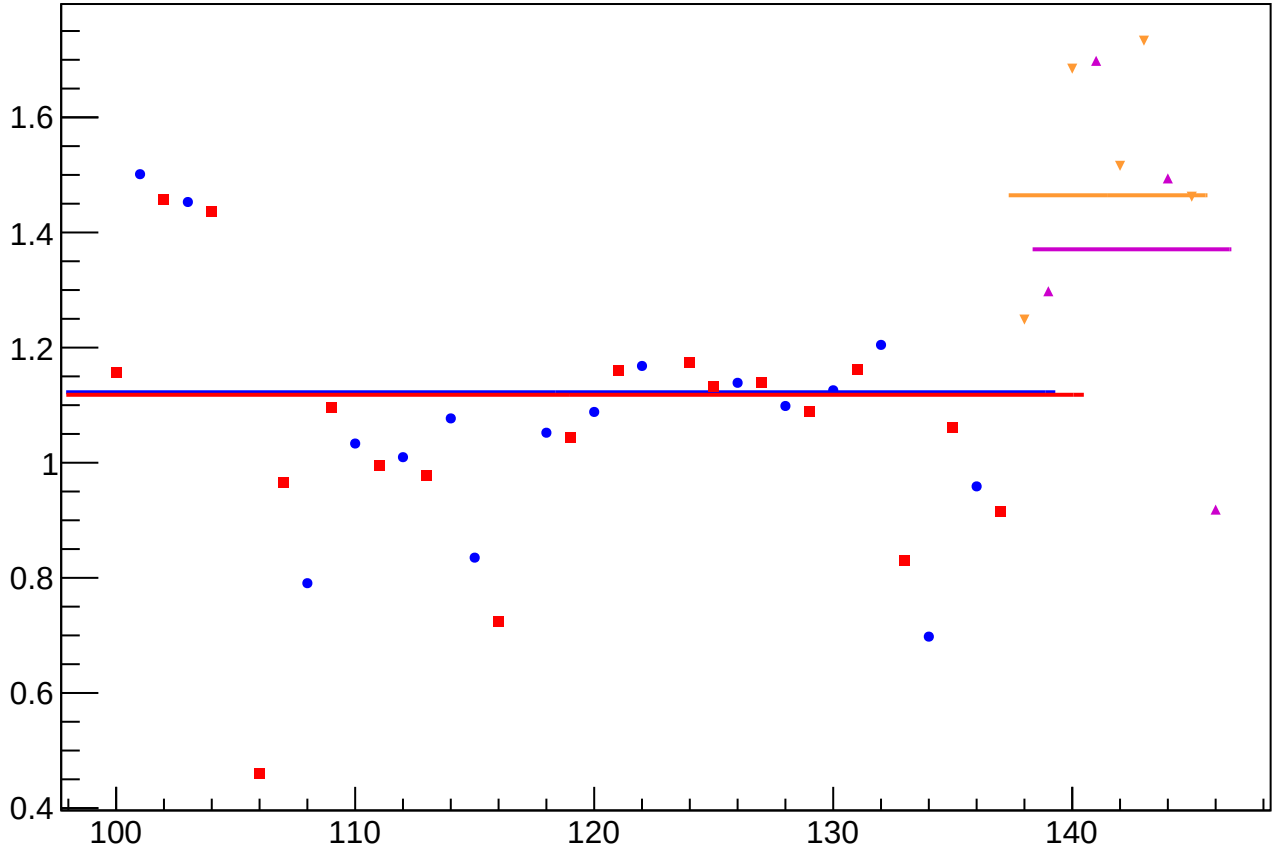
Left In: 0.084+/-0.000 χ^2/NDF:9149.7/3

+ sign 0.085+/-0.000 χ^2/NDF: 55831.5/20

All: 0.086+/-0.000 χ^2/NDF: 118428.2/43

- sign 0.086+/-0.000 χ^2/NDF: 61683.5/22

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.465+/-0.000 χ^2/NDF:1225797003.9/4

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

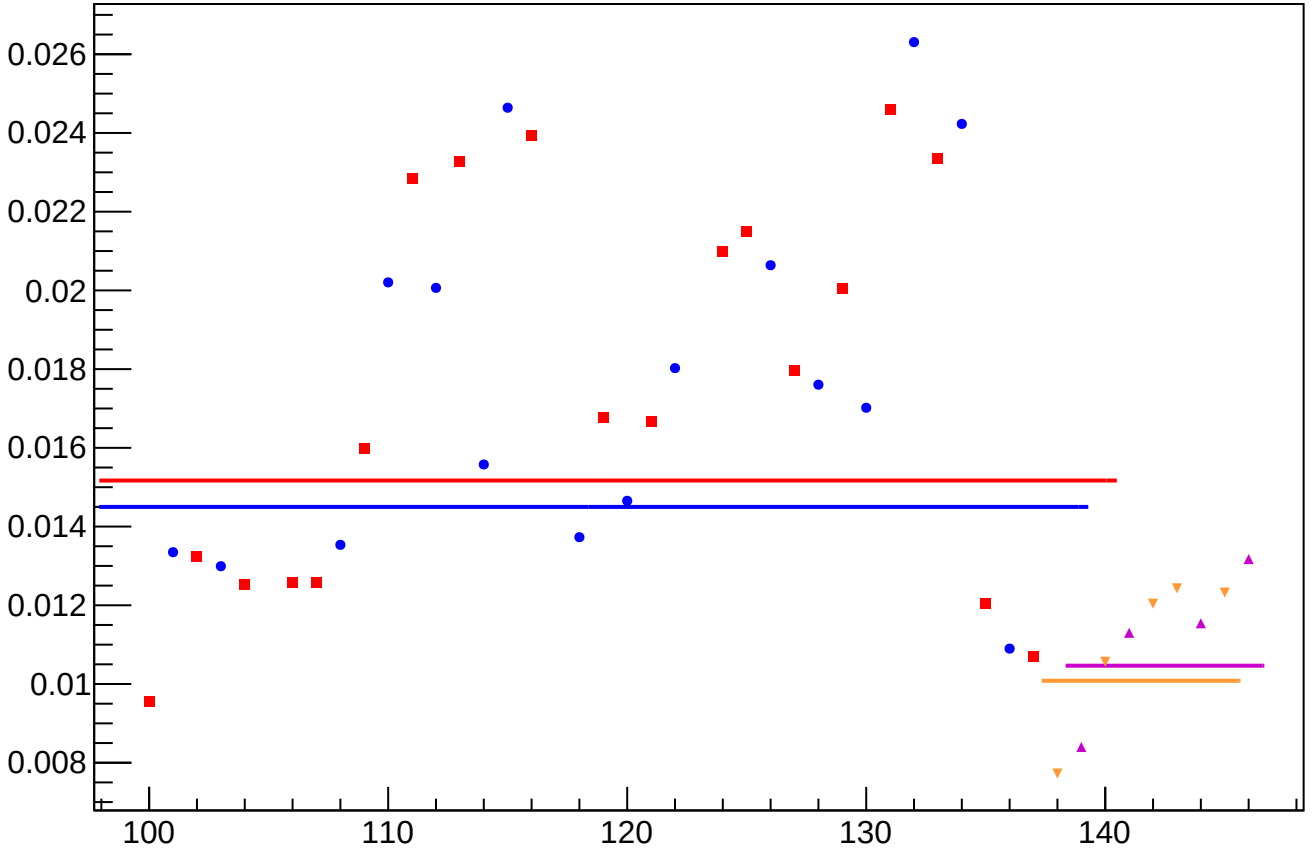
Left In: 1.371+/-0.000 χ^2/NDF:1674104017.7/3

+ sign 1.301+/-0.000 χ^2/NDF: 4417724162.6/20

All: 1.275+/-0.000 χ^2/NDF: 8614294494.9/43

- sign 1.247+/-0.000 χ^2/NDF: 4113422702.5/22

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:262126.8/4

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

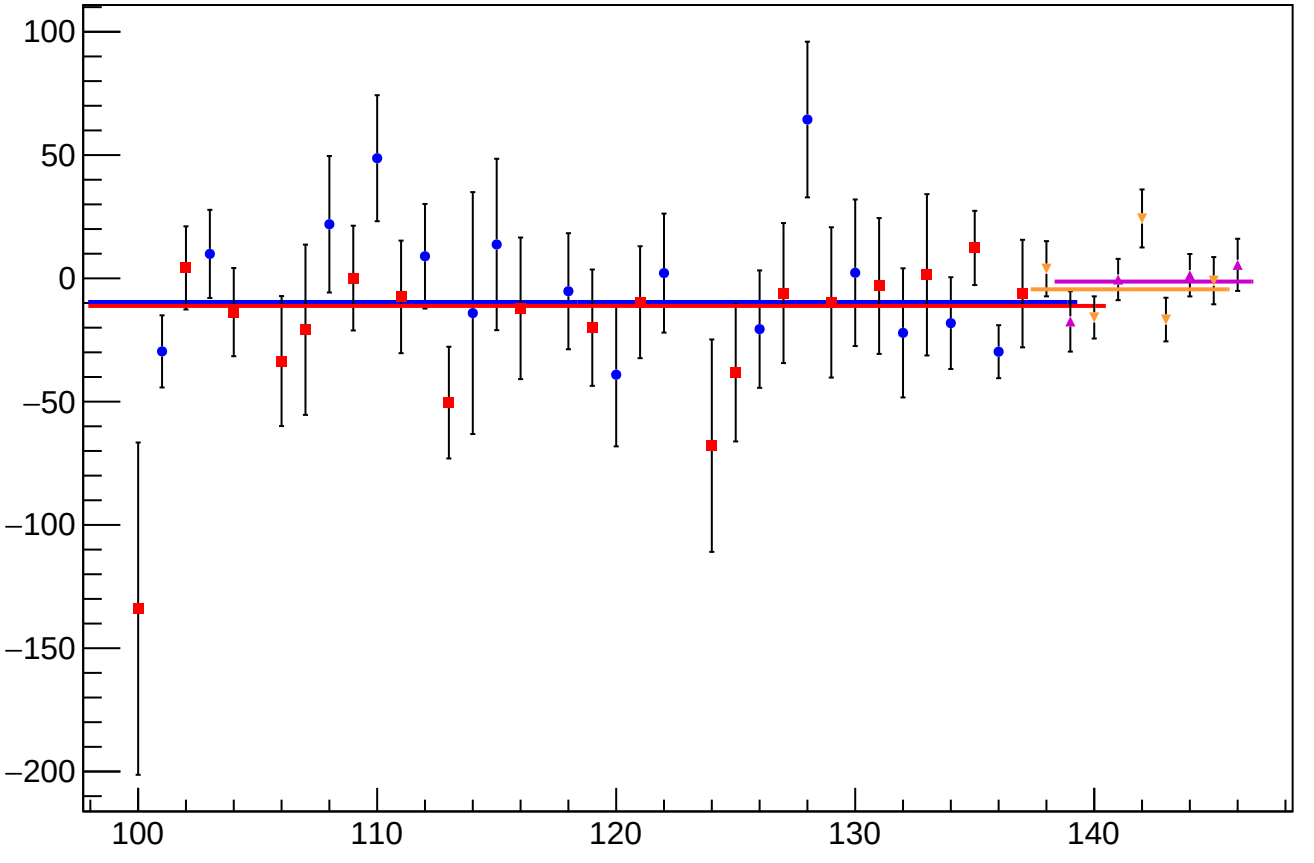
Left In: 0.010+/-0.000 χ^2/NDF:181667.0/3

+ sign 0.012+/-0.000 χ^2/NDF: 1551301.8/20

All: 0.012+/-0.000 χ^2/NDF: 3218876.3/43

- sign 0.013+/-0.000 χ^2/NDF: 1648714.4/22

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -4.443+/-4.363 χ^2/NDF:10.4/4

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

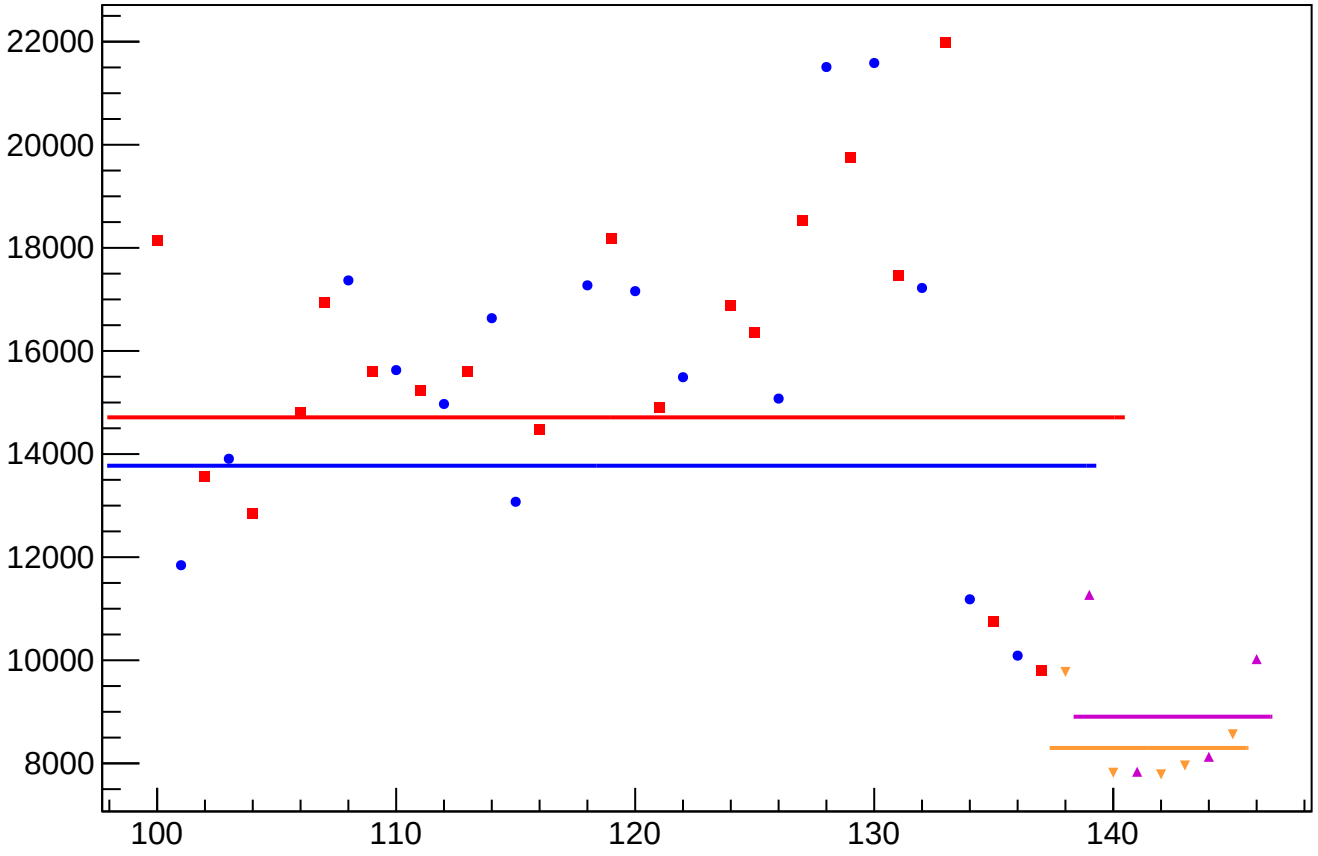
Left In: -1.305+/-4.801 χ^2/NDF:2.3/3

+ sign -6.523+/-3.366 χ^2/NDF: 32.8/20

All: -6.084+/-2.464 χ^2/NDF: 50.8/43

- sign -5.577+/-3.616 χ^2/NDF: 17.9/22

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8299.435+/-3.085 χ^2/NDF:49278.9/4

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

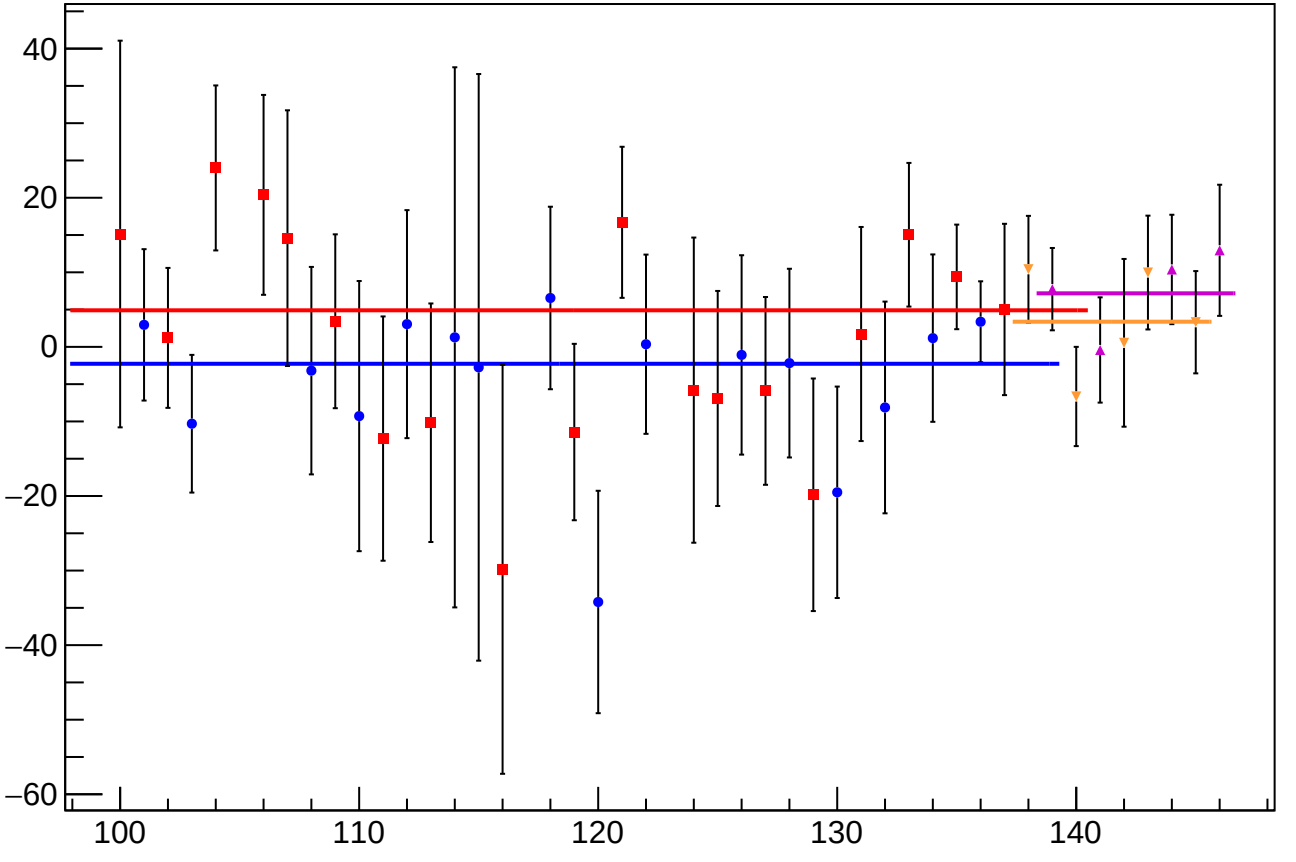
Left In: 8905.437+/-3.395 χ^2/NDF:145595.3/3

+ sign 10515.325+/-2.380 χ^2/NDF: 2071461.2/20

All: 10934.362+/-1.742 χ^2/NDF: 4107157.2/4

- sign 11417.946+/-2.557 χ^2/NDF: 1968929.8/22

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.377+/-3.363 χ^2/NDF:4.0/4

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

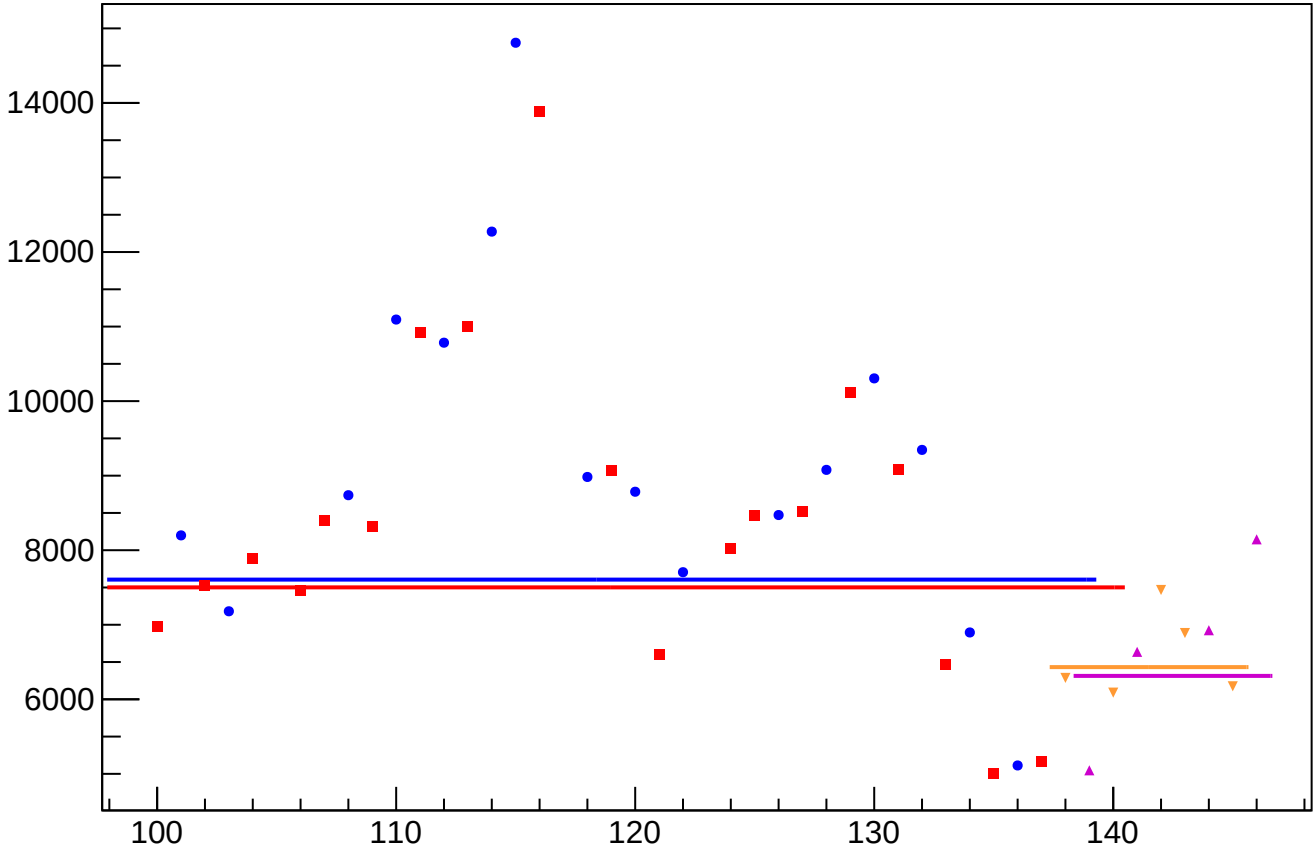
Left In: 7.182+/-3.443 χ^2/NDF:1.8/3

+ sign 0.161+/-2.206 χ^2/NDF: 14.9/20

All: 3.015+/-1.554 χ^2/NDF: 37.9/43

- sign 5.825+/-2.189 χ^2/NDF: 19.6/22

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6431.833+/-2.378 χ^2/NDF:33035.0/4

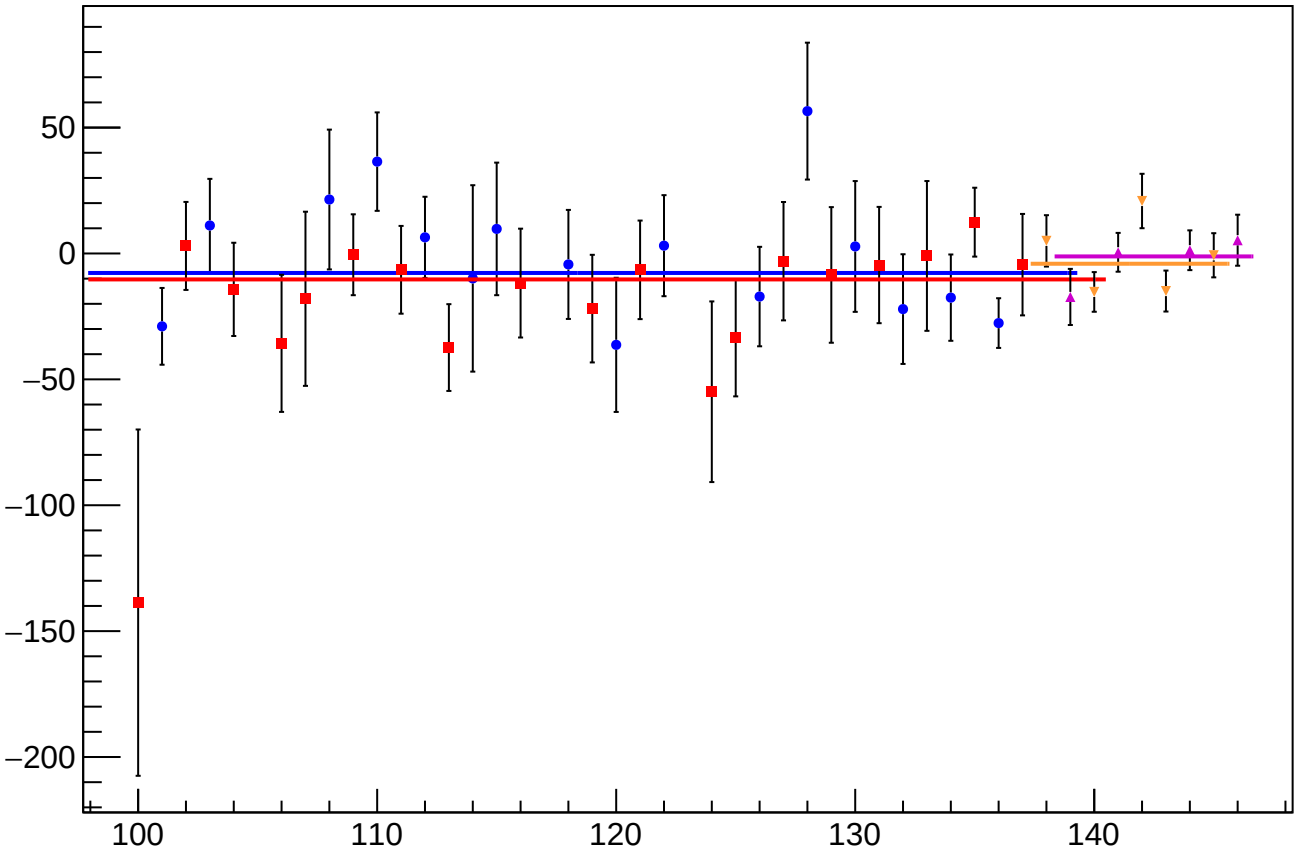
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6314.020+/-2.434 χ^2/NDF:210157.7/3

+ sign 7100.738+/-1.560 χ^2/NDF: 1063375.8/20

All: 7060.798+/-1.099 χ^2/NDF: 2240156.2/43

- sign 7021.465+/-1.548 χ^2/NDF: 1175478.9/22



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -4.080+/-4.003 χ^2/NDF:10.1/4

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

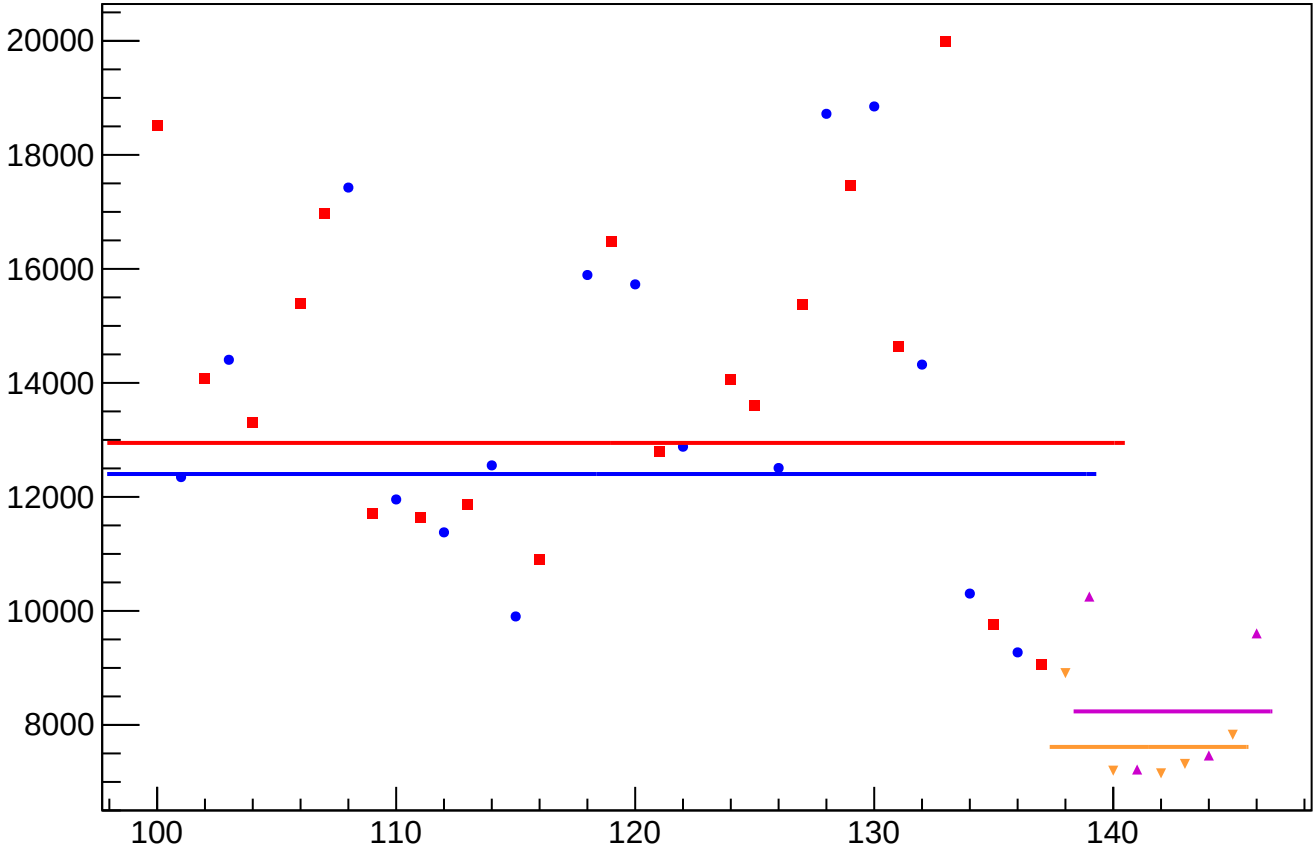
Left In: -1.170+/-4.444 χ^2/NDF:2.6/3

+ sign -5.601+/-3.061 χ^2/NDF: 33.1/20

All: -5.484+/-2.236 χ^2/NDF: 51.6/43

- sign -5.350+/-3.273 χ^2/NDF: 18.5/22

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7614.263+/-2.831 χ^2/NDF:45334.7/4

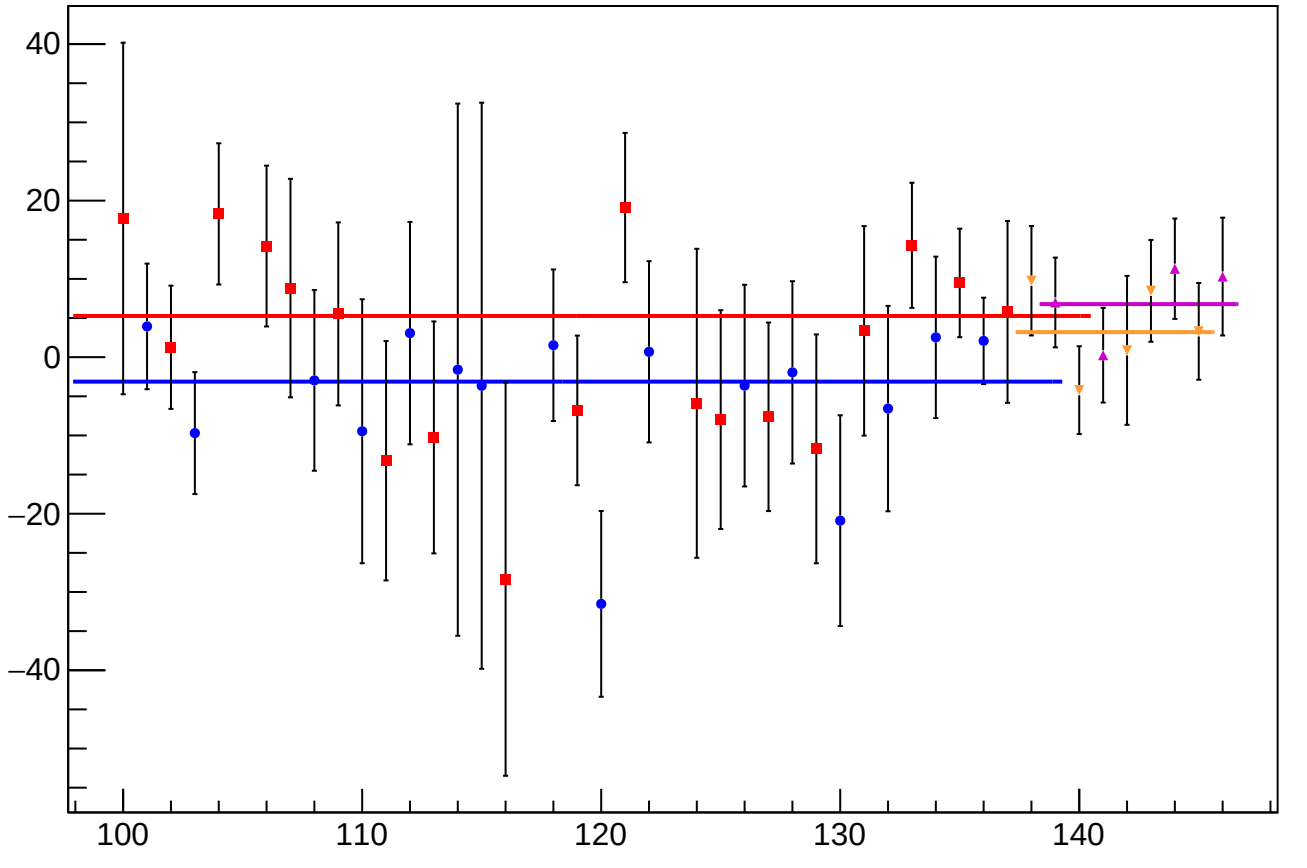
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8237.255+/-3.142 χ^2/NDF:155964.6/3

+ sign 9603.413+/-2.164 χ^2/NDF: 1912123.5/20

All: 9971.122+/-1.581 χ^2/NDF: 3712946.7/43

- sign 10391.701+/-2.315 χ^2/NDF: 1738934.9/22



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.203+/-2.974 χ^2/NDF:3.3/4

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

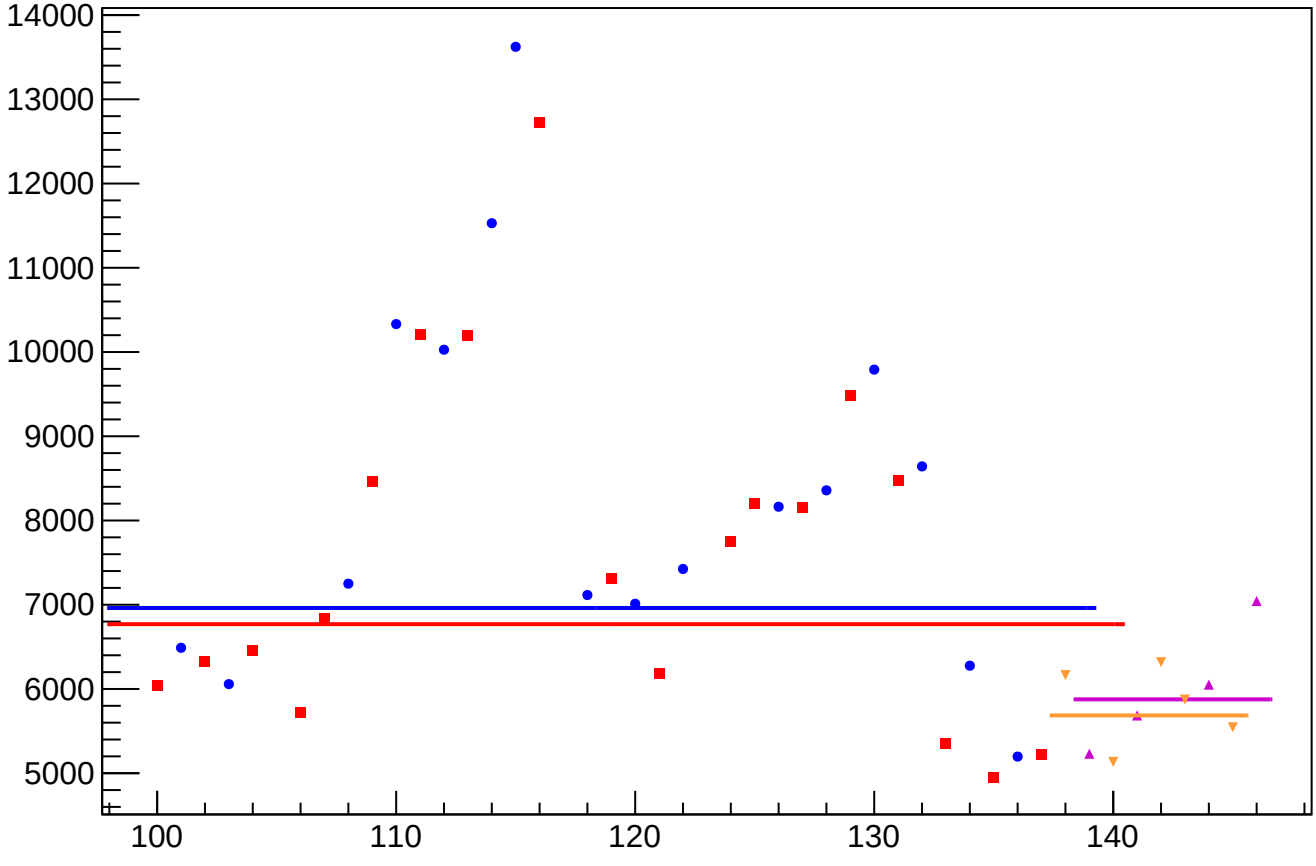
Left In: 6.779+/-3.167 χ^2/NDF:1.9/3

+ sign -0.317+/-1.981 χ^2/NDF: 16.8/20

All: 2.762+/-1.403 χ^2/NDF: 40.5/43

- sign 5.861+/-1.988 χ^2/NDF: 18.9/22

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5686.095+/-2.103 χ^2/NDF:40221.3/4

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

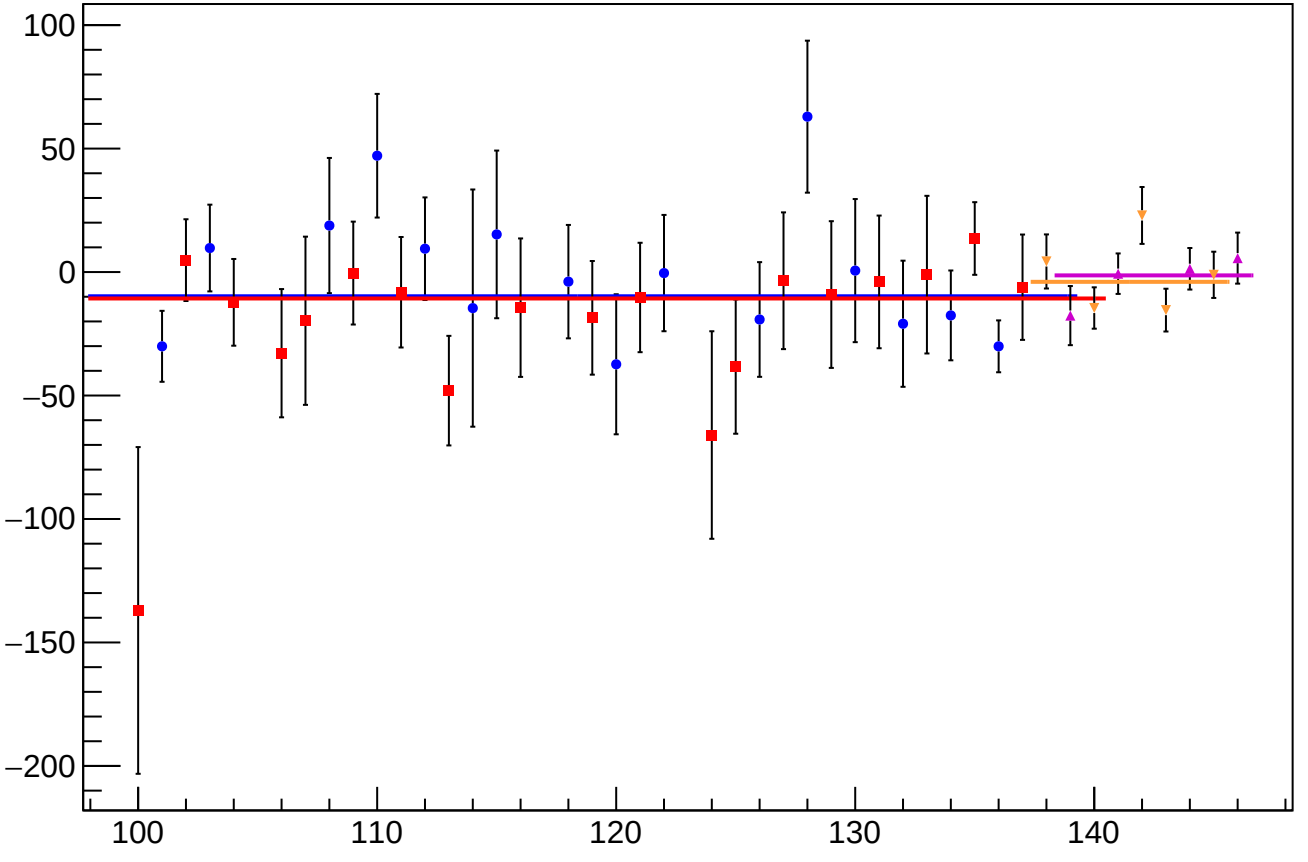
Left In: 5876.845+/-2.239 χ^2/NDF:76980.7/3

+ sign 6395.736+/-1.401 χ^2/NDF: 941315.6/20

All: 6406.600+/-0.992 χ^2/NDF: 1912731.5/43

- sign 6417.538+/-1.405 χ^2/NDF: 971295.2/22

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -3.961+/-4.269 χ^2/NDF:9.5/4

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

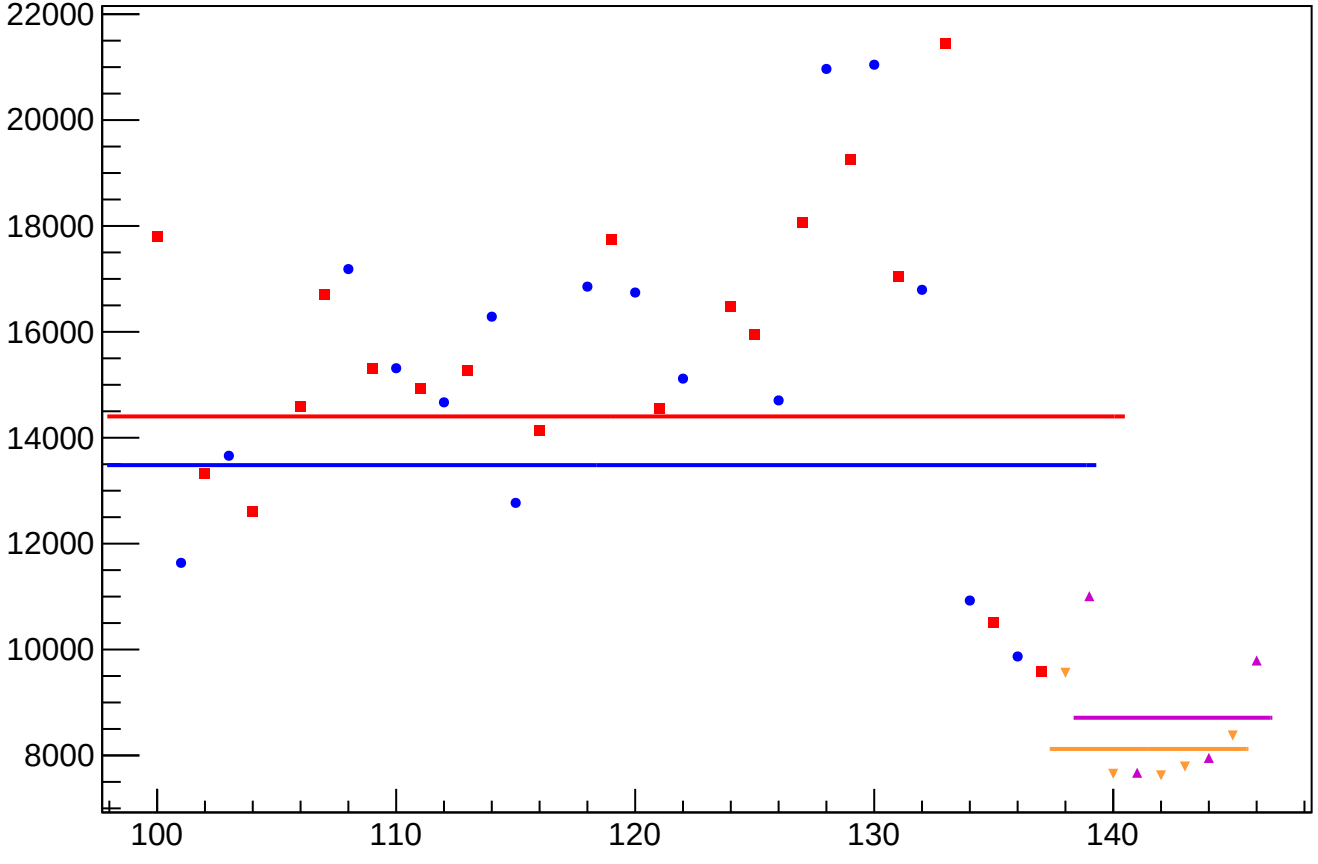
Left In: -1.353+/-4.696 χ^2/NDF:2.4/3

+ sign -6.328+/-3.294 χ^2/NDF: 32.3/20

All: -5.895+/-2.411 χ^2/NDF: 50.7/43

- sign -5.395+/-3.538 χ^2/NDF: 18.4/22

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8122.415+/-3.019 χ^2/NDF:48932.9/4

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

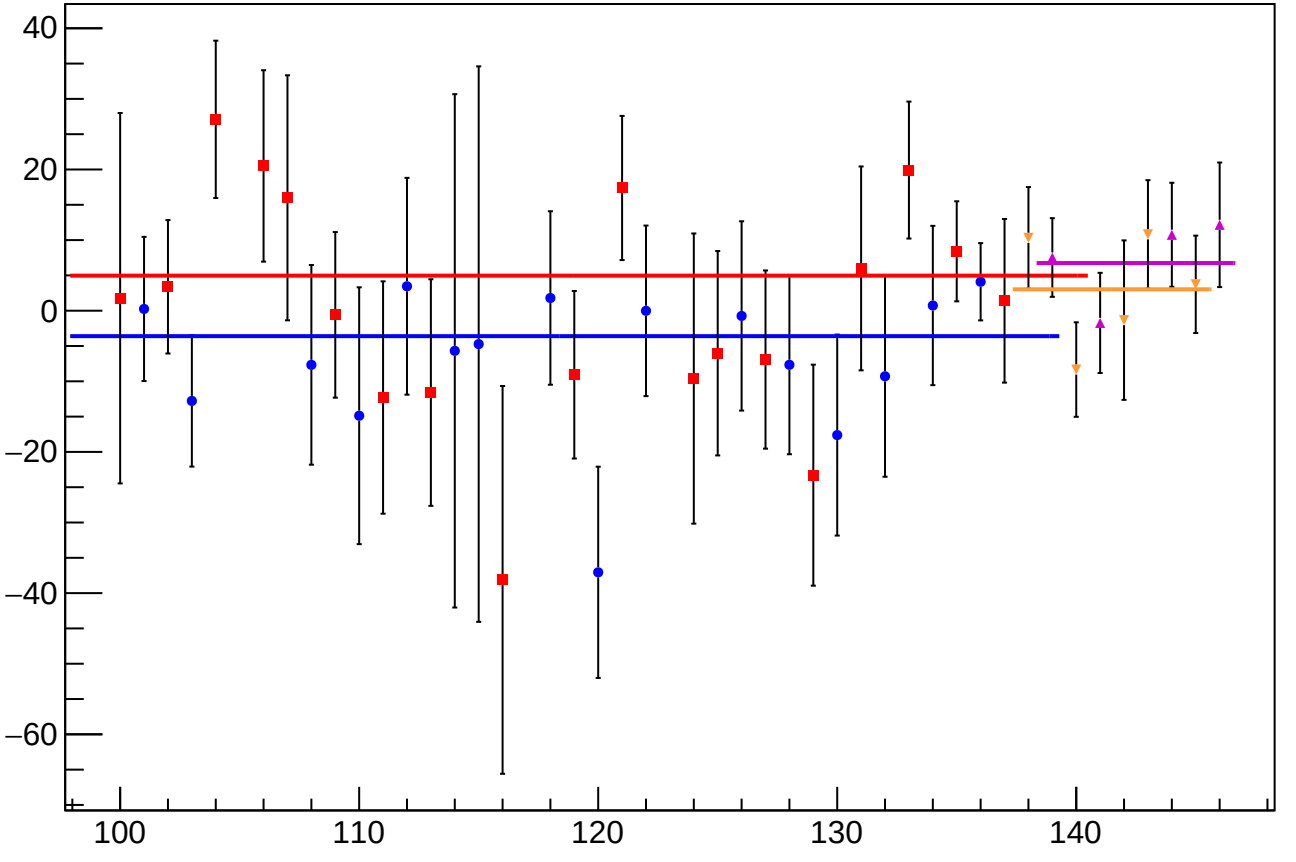
Left In: 8711.668+/-3.320 χ^2/NDF:143880.8/3

+ sign 10291.736+/-2.329 χ^2/NDF: 2068619.1/20

All: 10700.515+/-1.705 χ^2/NDF: 4101384.7/4

- sign 11172.040+/-2.502 χ^2/NDF: 1966437.8/22

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.030+/-3.381 χ^2/NDF:5.1/4

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

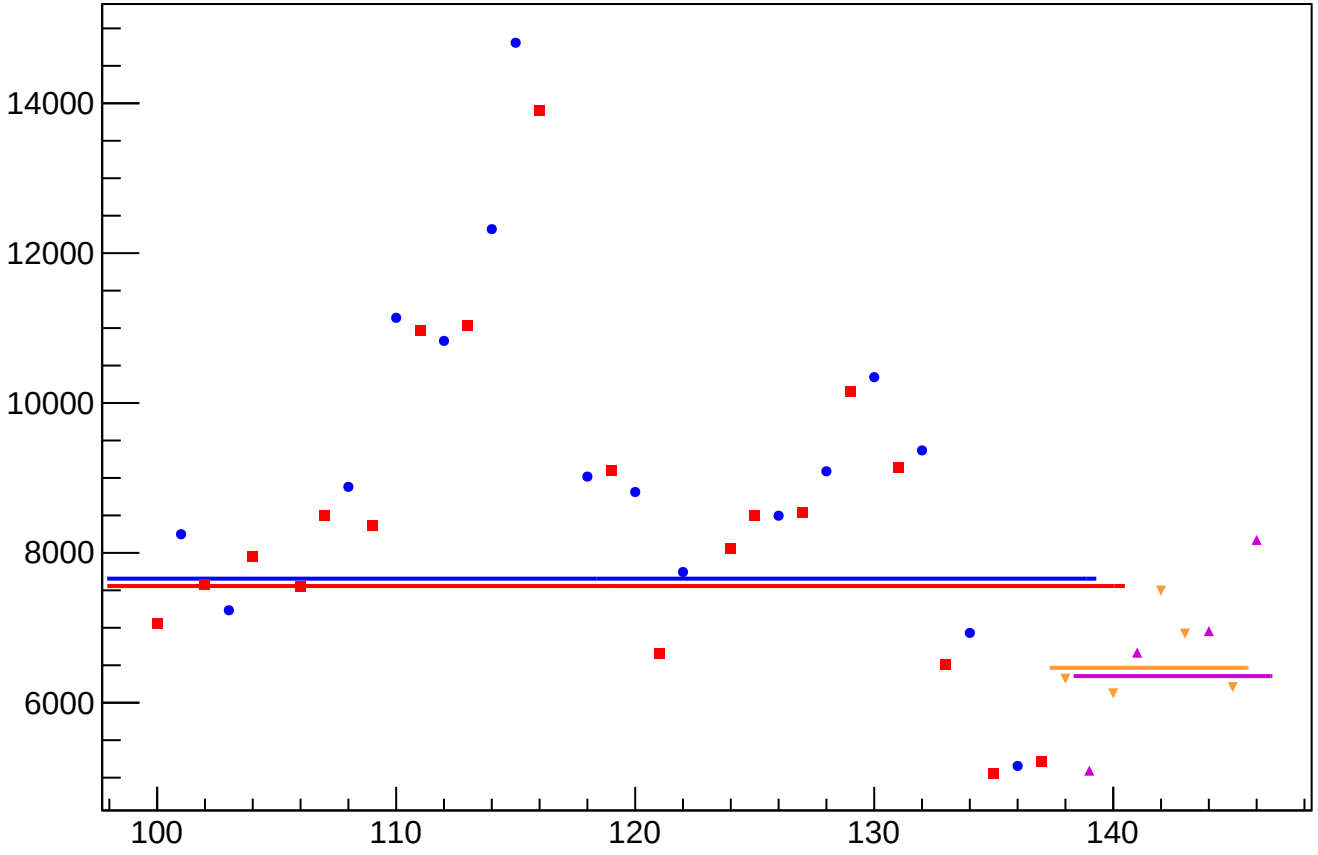
Left In: 6.752+/-3.463 χ^2/NDF:2.1/3

+ sign -0.748+/-2.218 χ^2/NDF: 17.8/20

All: 2.492+/-1.563 χ^2/NDF: 45.7/43

- sign 5.688+/-2.203 χ^2/NDF: 23.7/22

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6465.859+/-2.390 χ^2/NDF:32551.9/4

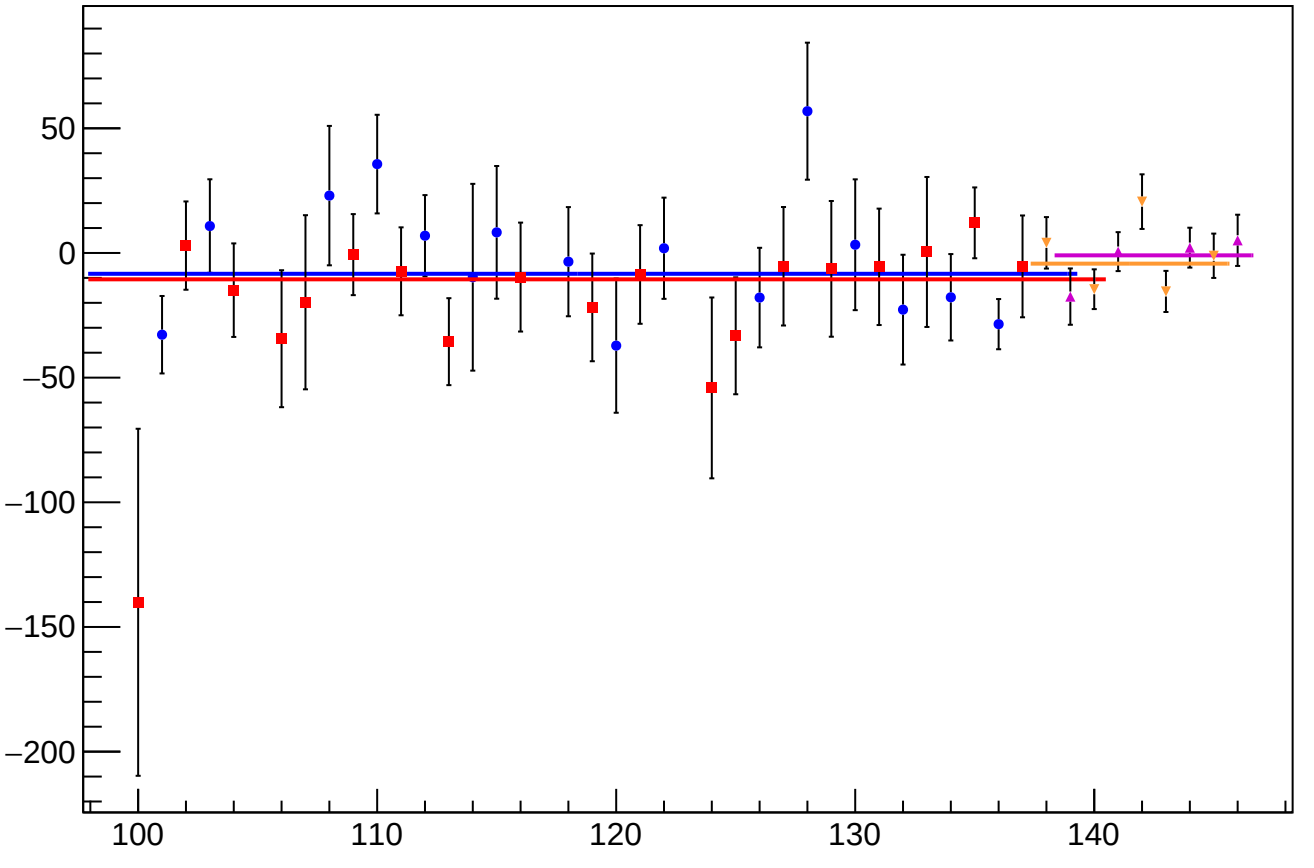
Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6355.364+/-2.449 χ^2/NDF:204730.9/3

+ sign 7143.409+/-1.569 χ^2/NDF: 1053425.9/20

All: 7106.970+/-1.105 χ^2/NDF: 2212537.3/43

- sign 7071.028+/-1.558 χ^2/NDF: 1158039.5/22



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -4.282+/-4.055 χ^2/NDF:9.4/4

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

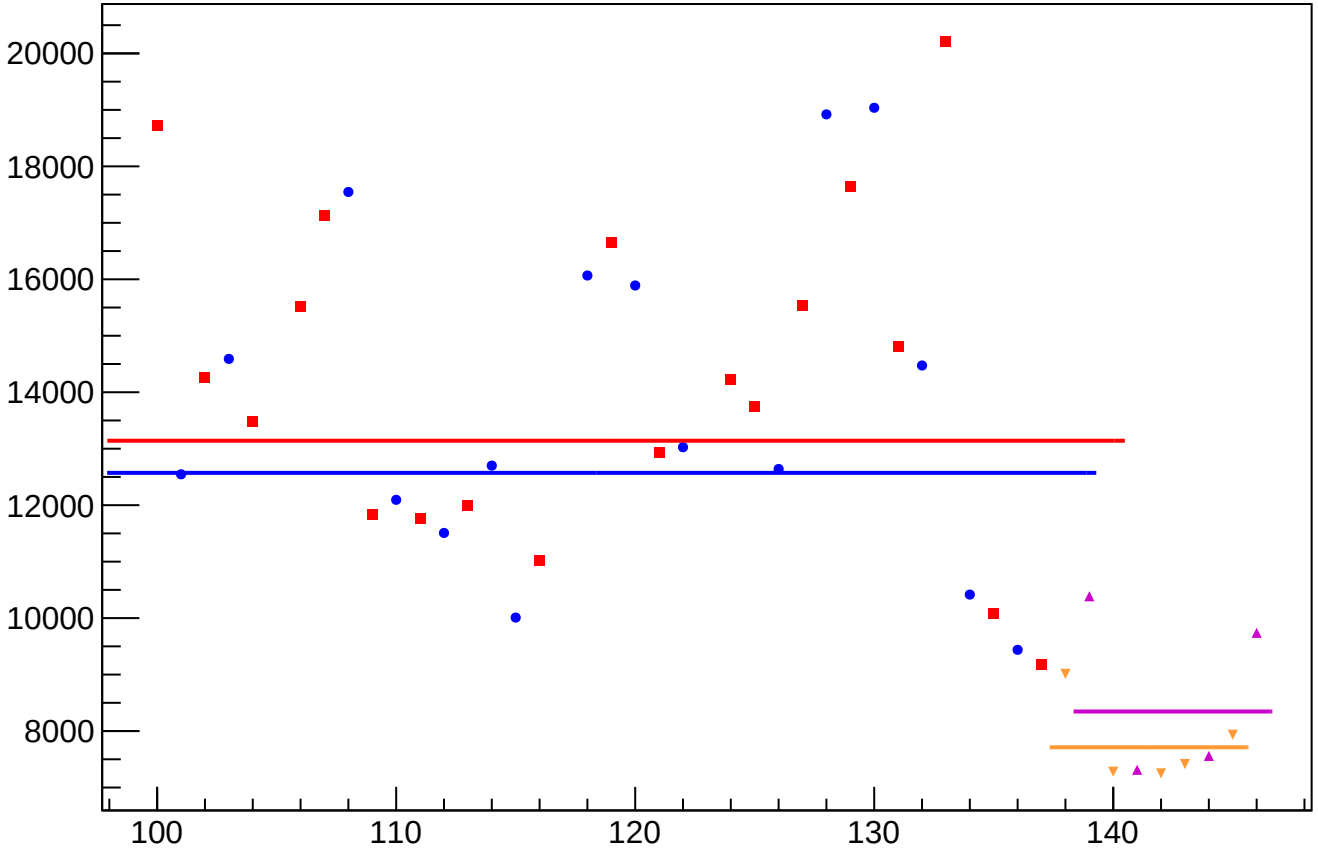
Left In: -0.954+/-4.503 χ^2/NDF:2.7/3

+ sign -5.971+/-3.101 χ^2/NDF: 33.1/20

All: -5.680+/-2.266 χ^2/NDF: 50.8/43

- sign -5.347+/-3.319 χ^2/NDF: 17.7/22

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7712.414+/-2.867 χ^2/NDF:45015.4/4

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

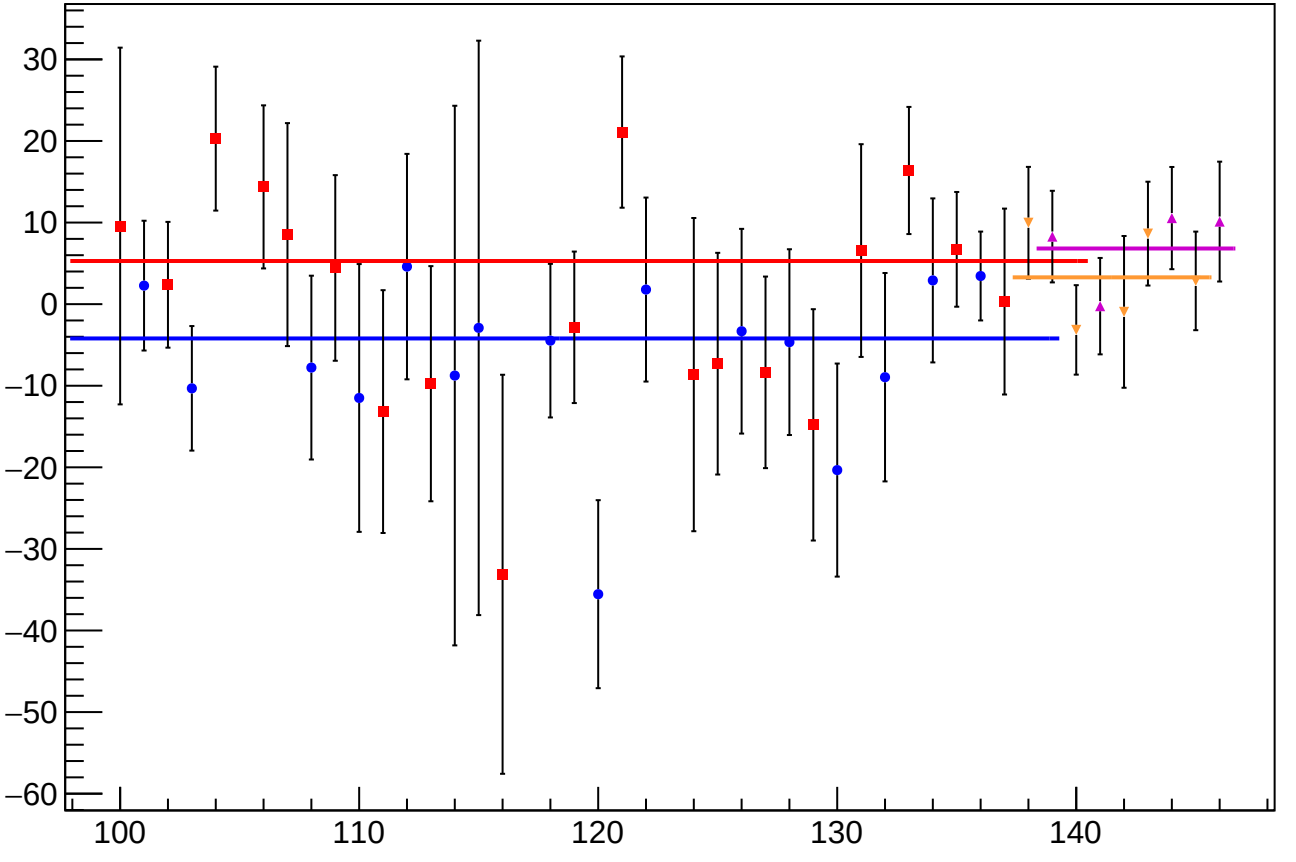
Left In: 8346.106+/-3.184 χ^2/NDF:156344.4/3

+ sign 9729.606+/-2.193 χ^2/NDF: 1902626.8/20

All: 10105.529+/-1.602 χ^2/NDF: 3692706.7/4

- sign 10536.045+/-2.347 χ^2/NDF: 1727036.7/22

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.284+/-2.908 χ^2/NDF:3.3/4

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

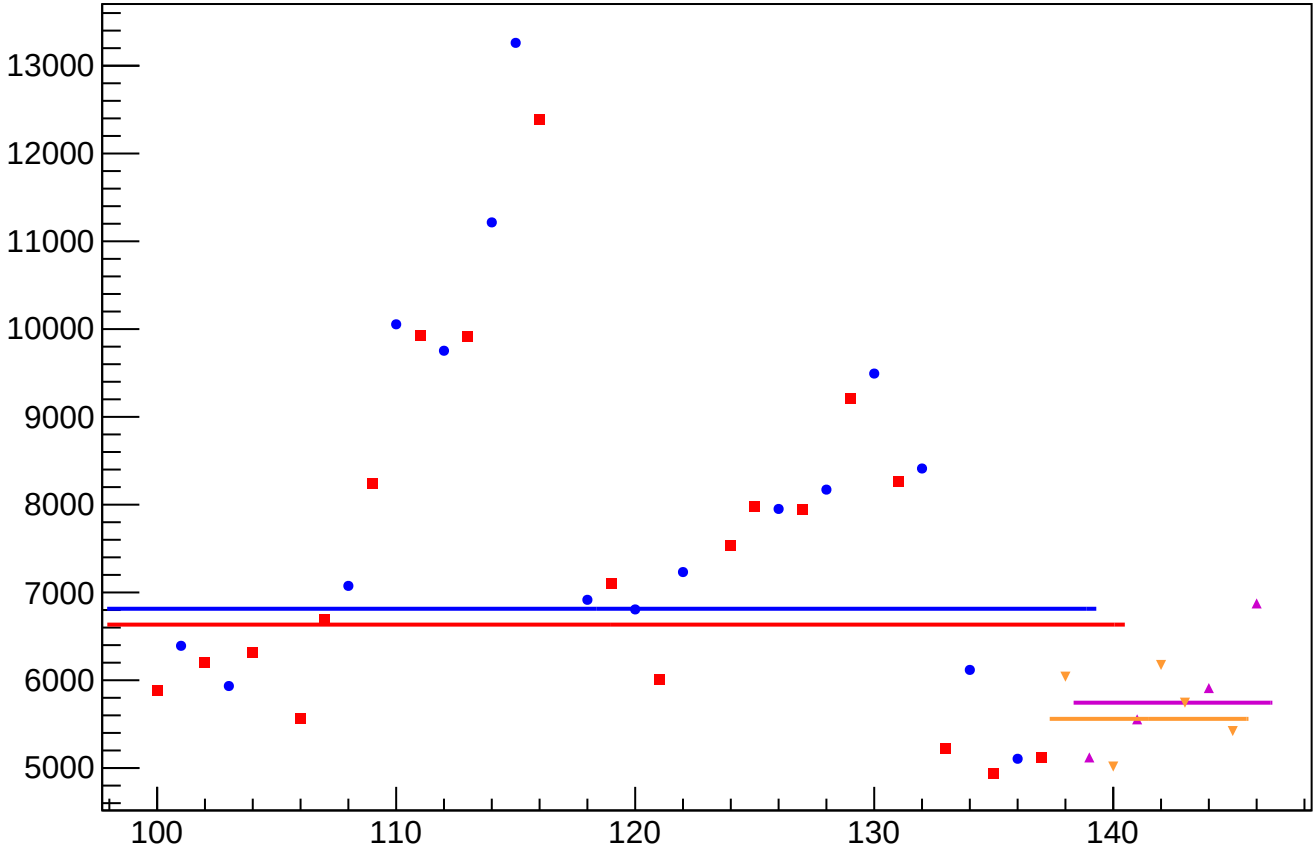
Left In: 6.821+/-3.095 χ^2/NDF:2.1/3

+ sign -0.877+/-1.938 χ^2/NDF: 20.8/20

All: 2.495+/-1.373 χ^2/NDF: 48.8/43

- sign 5.893+/-1.946 χ^2/NDF: 21.9/22

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5560.239+/-2.056 χ^2/NDF:40926.3/4

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

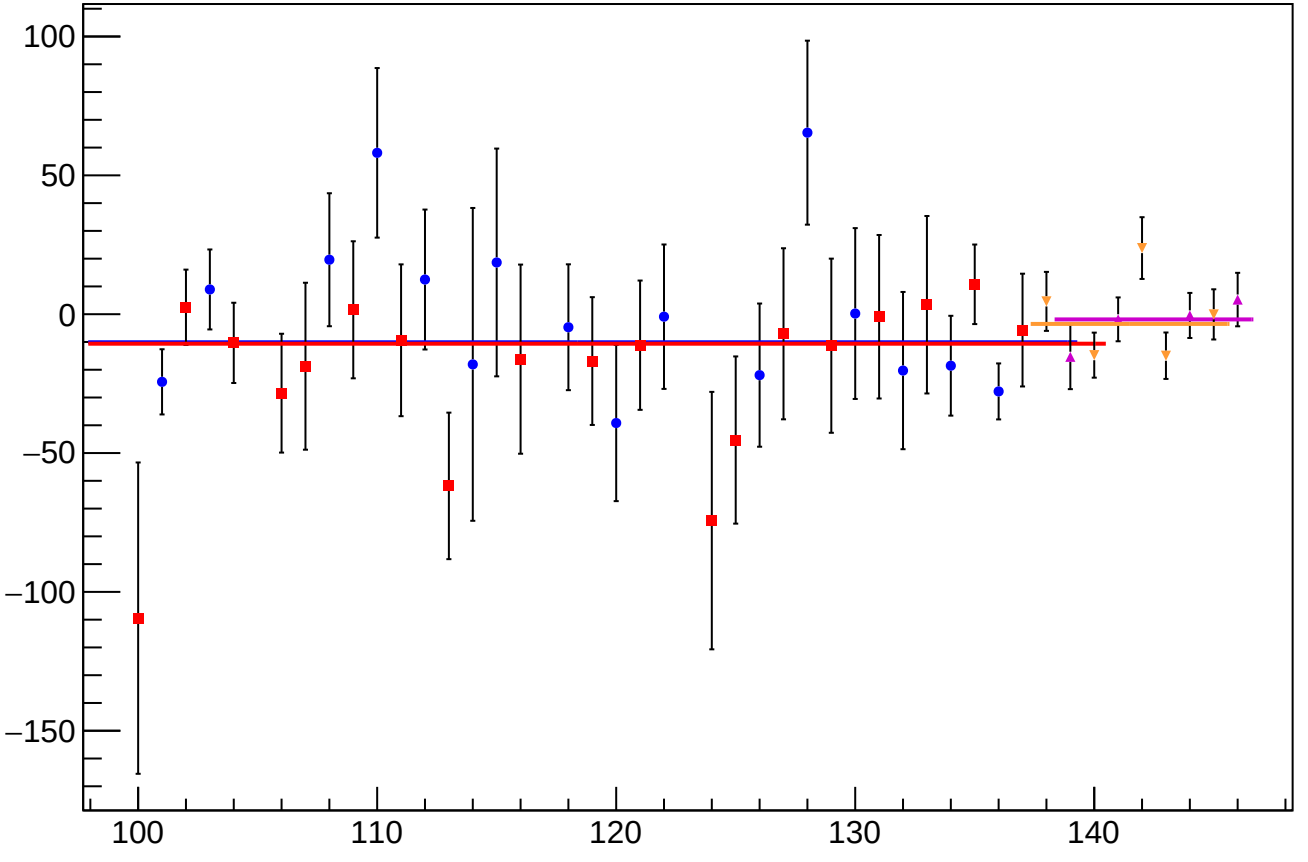
Left In: 5744.379+/-2.189 χ^2/NDF:75525.6/3

+ sign 6257.125+/-1.371 χ^2/NDF: 921679.4/20

All: 6269.628+/-0.971 χ^2/NDF: 1860580.9/43

- sign 6282.224+/-1.376 χ^2/NDF: 938734.4/22

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -3.500+/-4.127 χ^2/NDF:10.6/4

Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

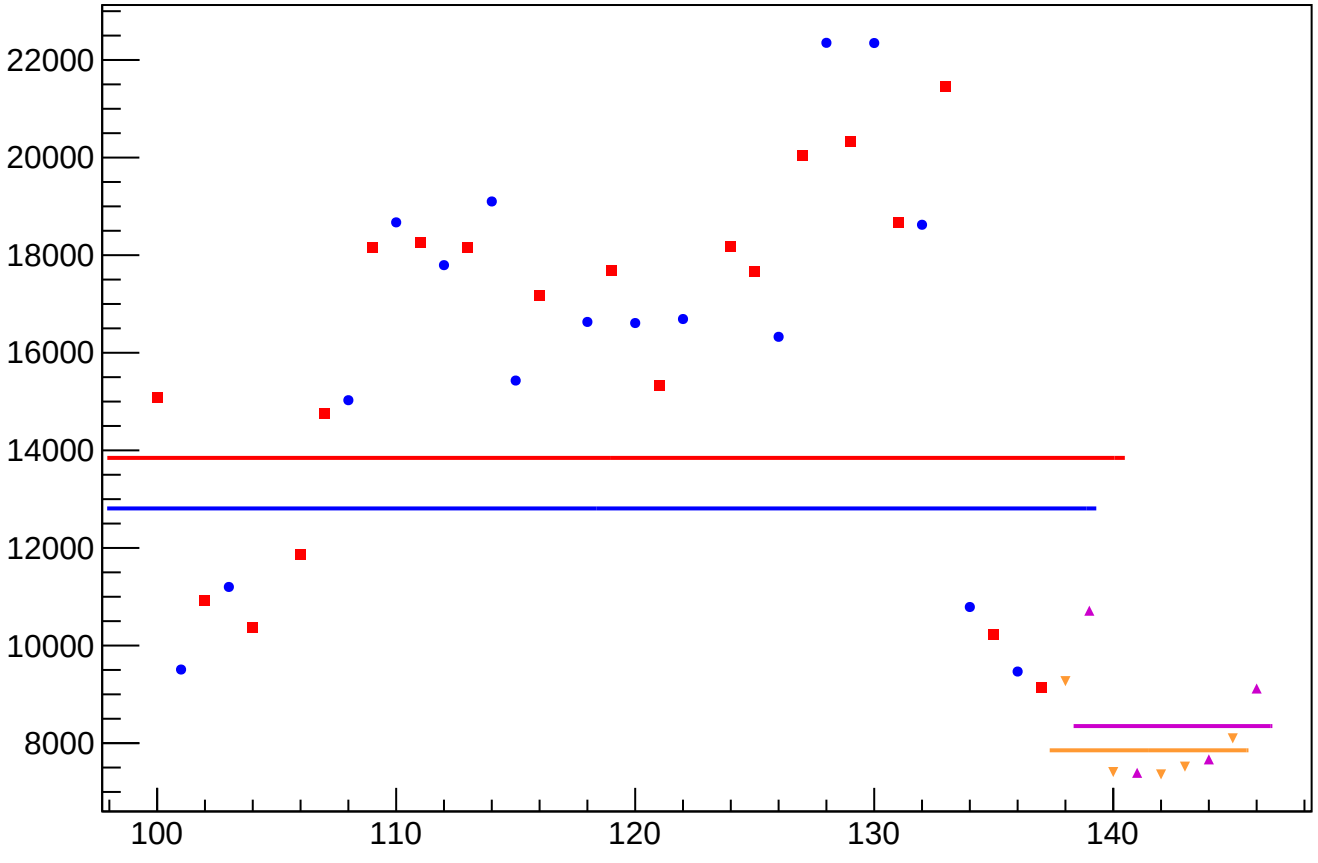
Left In: -1.877+/-4.500 χ^2/NDF:1.9/3

+ sign -6.169+/-3.187 χ^2/NDF: 32.9/20

All: -5.886+/-2.333 χ^2/NDF: 51.1/43

- sign -5.560+/-3.424 χ^2/NDF: 18.3/22

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 7853.146+/-2.918 χ^2/NDF:50275.2/4

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

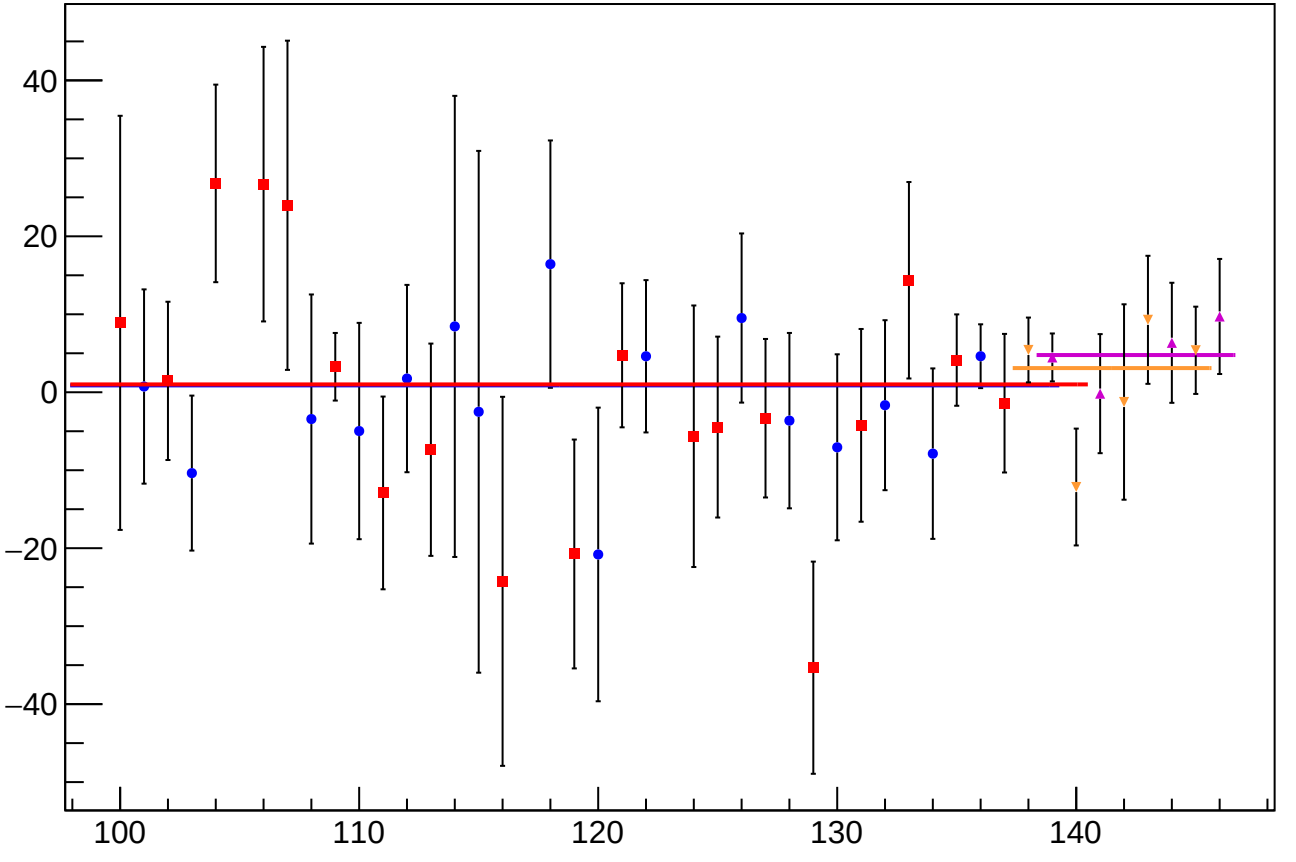
Left In: 8349.877+/-3.182 χ^2/NDF:138756.1/3

+ sign 9853.530+/-2.254 χ^2/NDF: 2462850.5/20

All: 10229.688+/-1.650 χ^2/NDF: 5014241.7/4

- sign 10663.767+/-2.421 χ^2/NDF: 2491388.2/22

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 3.099+/-2.786 χ^2/NDF:5.3/4

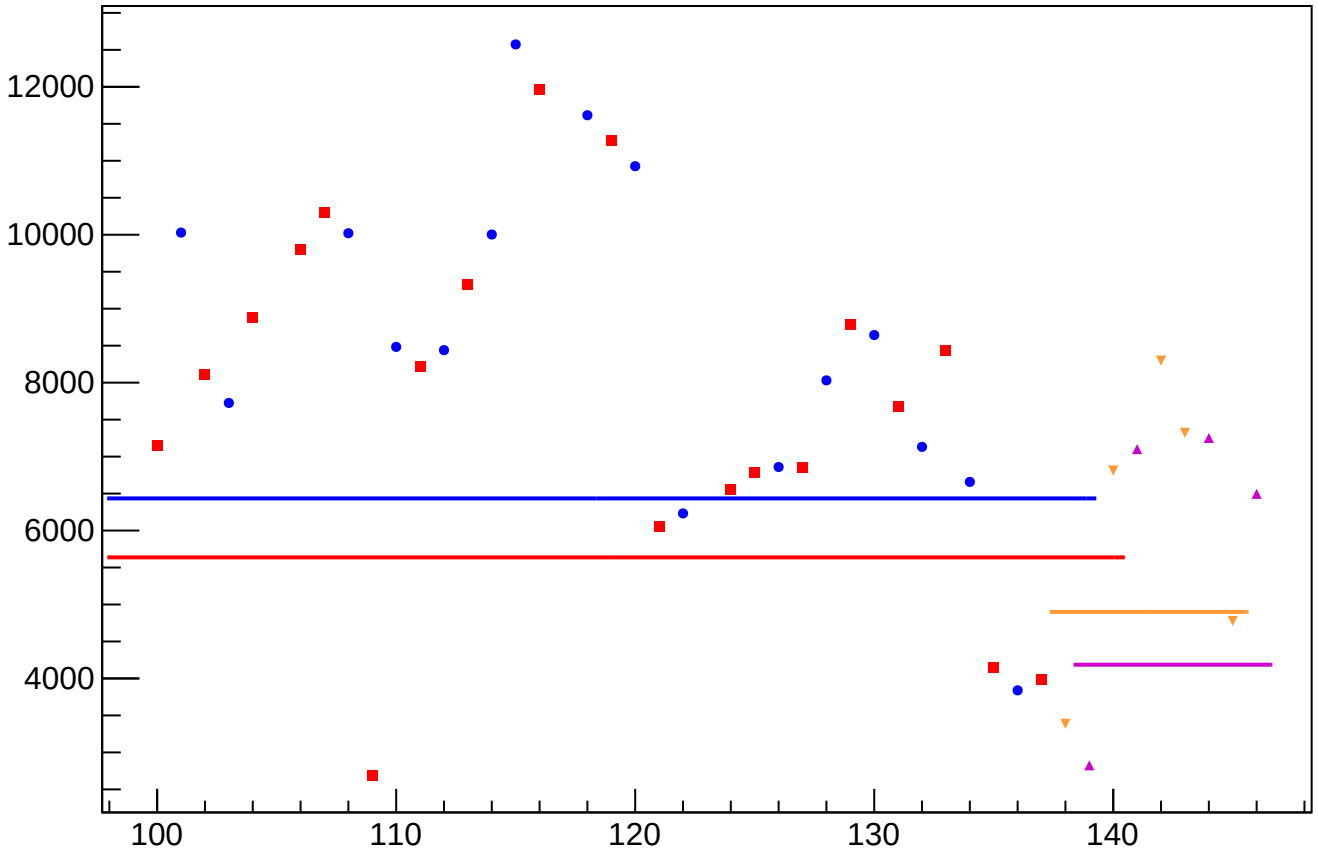
Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: 4.773+/-2.513 χ^2/NDF:0.9/3

+ sign 1.900+/-1.887 χ^2/NDF: 12.5/20

All: 2.360+/-1.264 χ^2/NDF: 37.0/43

- sign 2.734+/-1.702 χ^2/NDF: 24.5/22



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 4899.967+/-1.970 χ^2/NDF:717608.0/4

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

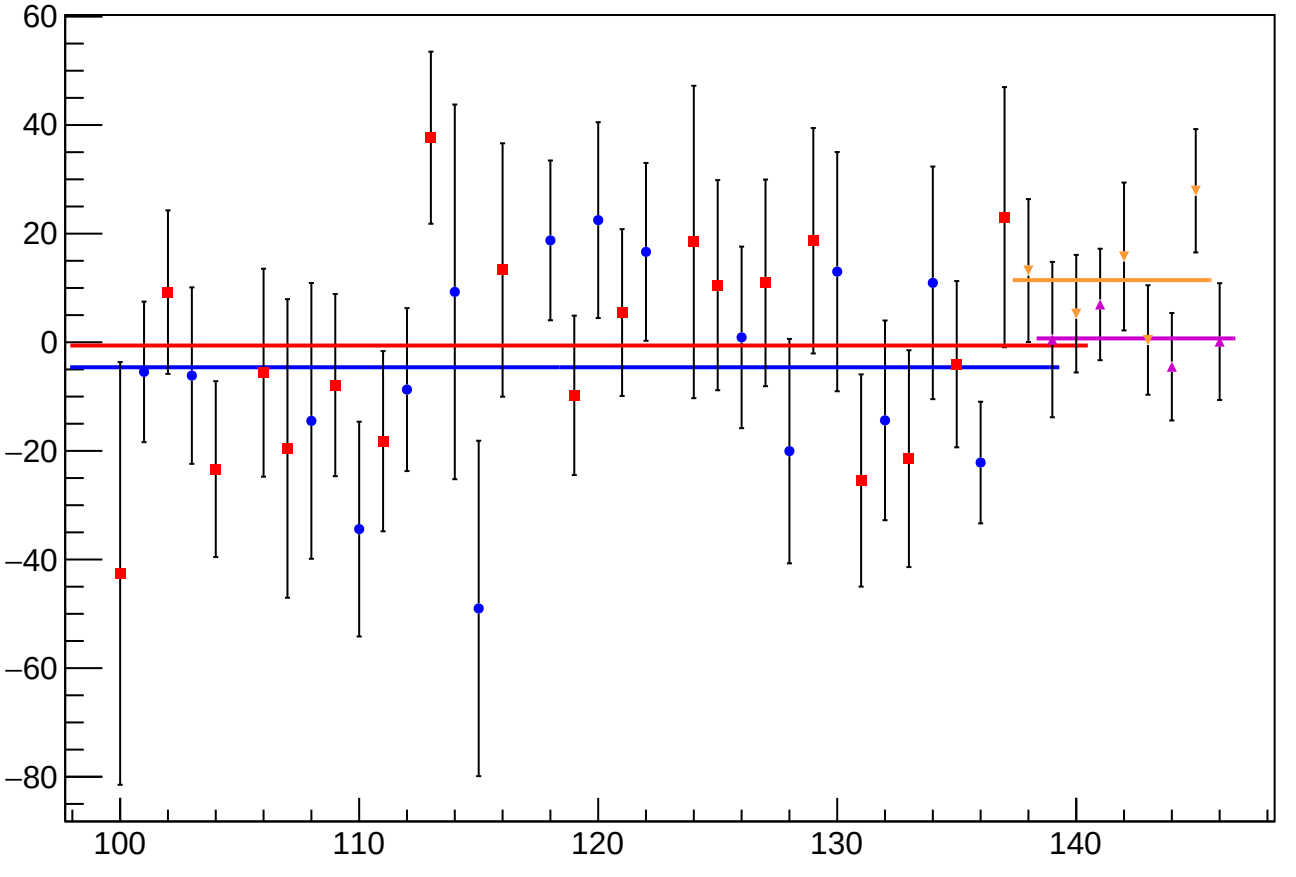
Left In: 4186.051+/-1.777 χ^2/NDF:1196977.8/3

+ sign 5730.102+/-1.335 χ^2/NDF: 2796569.3/20

All: 5311.842+/-0.894 χ^2/NDF: 7112638.4/43

- sign 4971.563+/-1.204 χ^2/NDF: 4137929.2/22

diff_bpm11X_mean vs Slug



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 11.444+/-5.177 χ^2/NDF:3.7/4

Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

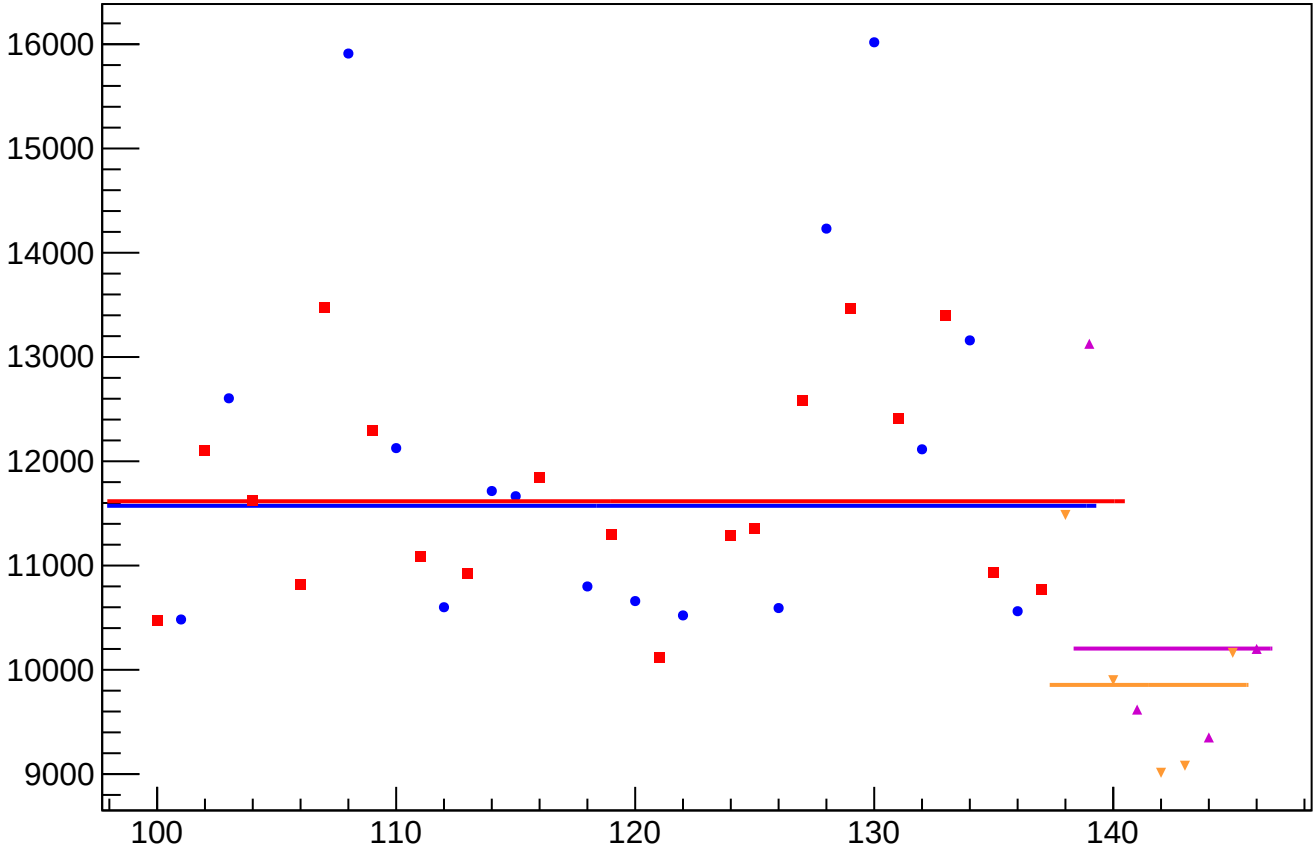
Left In: 0.710+/-5.485 χ^2/NDF:0.7/3

+ sign 2.047+/-3.333 χ^2/NDF: 25.1/20

All: 0.982+/-2.369 χ^2/NDF: 43.9/43

- sign -0.106+/-3.368 χ^2/NDF: 18.6/22

diff_bpm11X_rms vs Slug



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9855.229+/-3.661 χ^2/NDF:51688.8/4

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

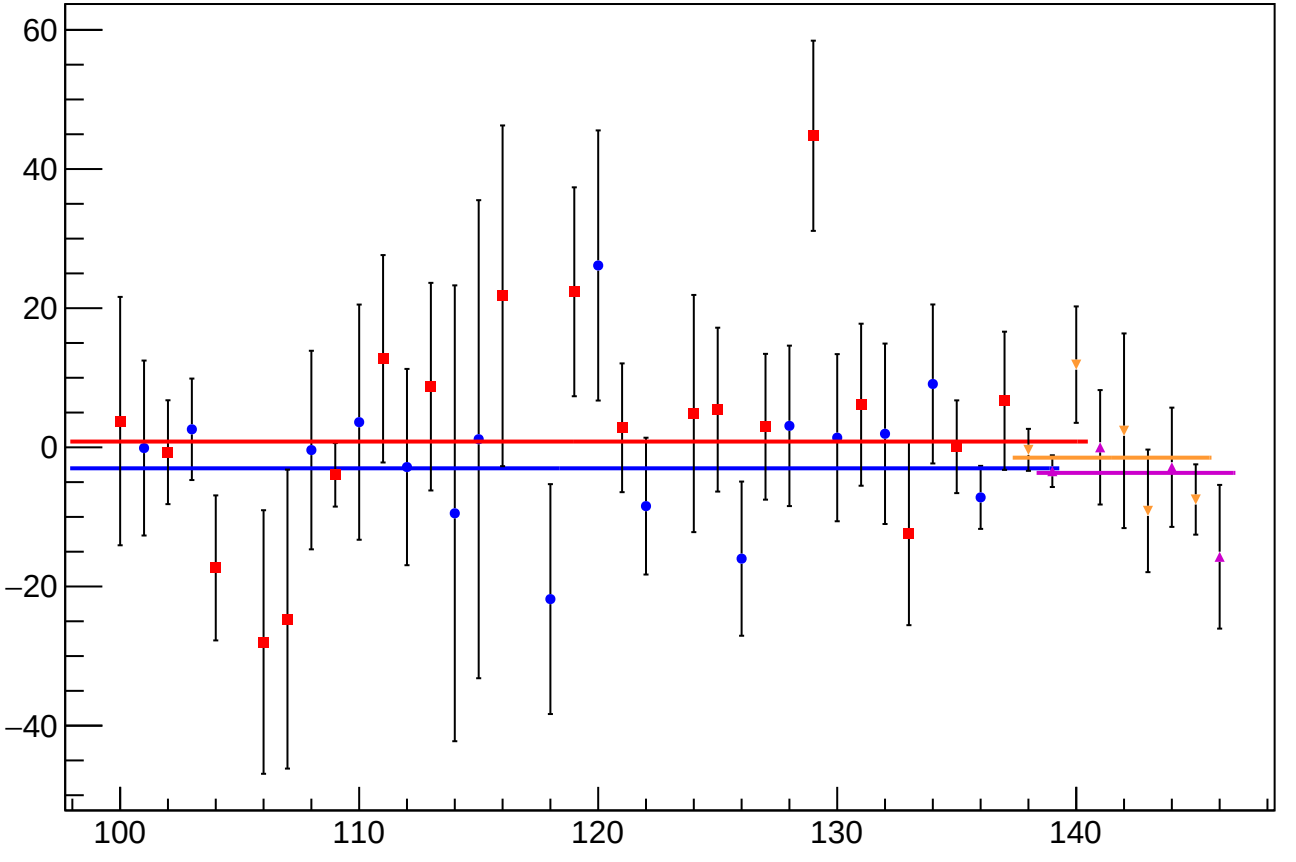
Left In: 10203.770+/-3.879 χ^2/NDF:104841.3/3

+ sign 10861.320+/-2.357 χ^2/NDF: 440706.9/20

All: 10971.566+/-1.675 χ^2/NDF: 725827.7/43

- sign 11084.145+/-2.381 χ^2/NDF: 280697.1/22

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.484+/-2.349 χ^2/NDF:4.9/4

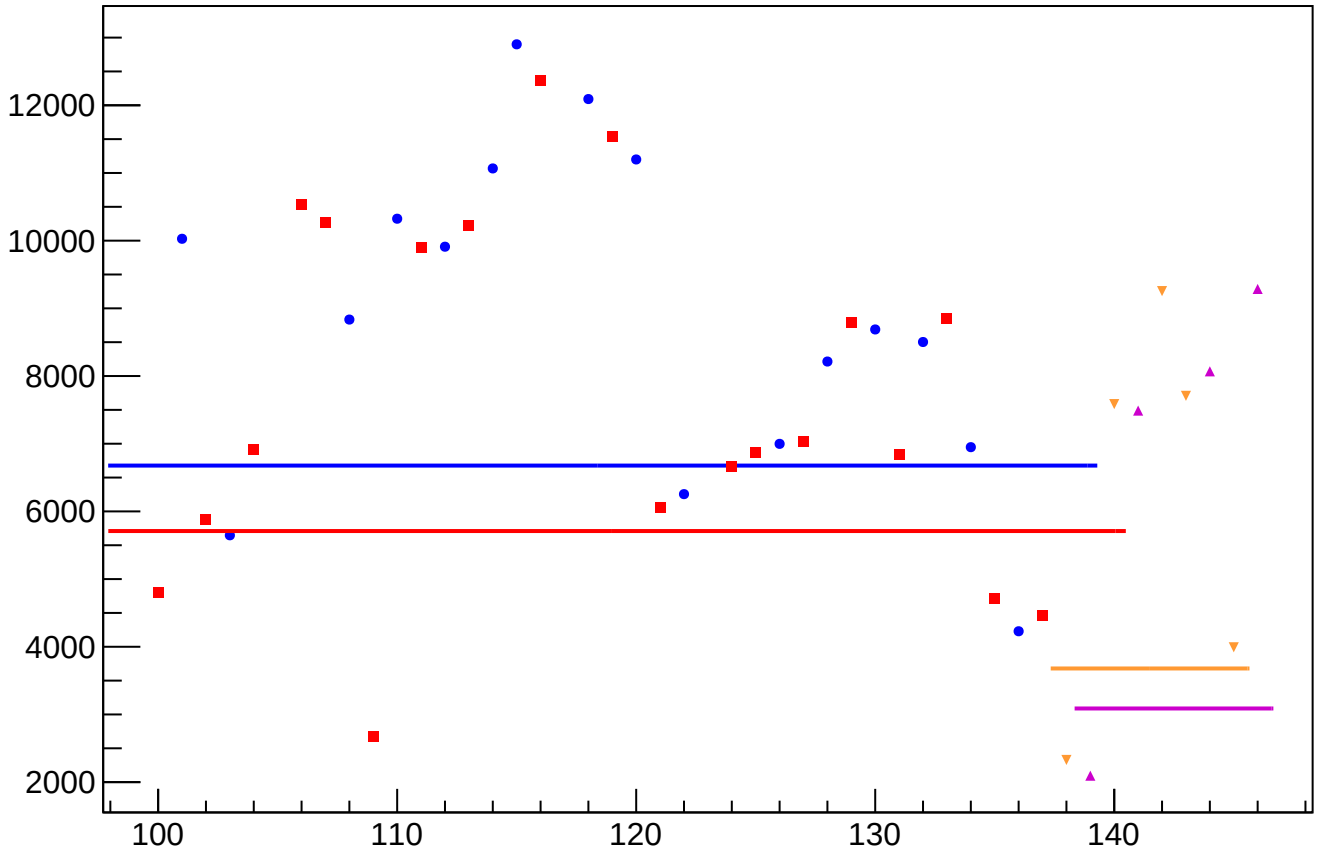
Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: -3.671+/-2.085 χ^2/NDF:1.6/3

+ sign -2.156+/-1.759 χ^2/NDF: 13.8/20

All: -1.895+/-1.167 χ^2/NDF: 41.3/43

- sign -1.690+/-1.560 χ^2/NDF: 27.5/22



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 3679.336+/-1.661 χ^2/NDF:1580570.7/4

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

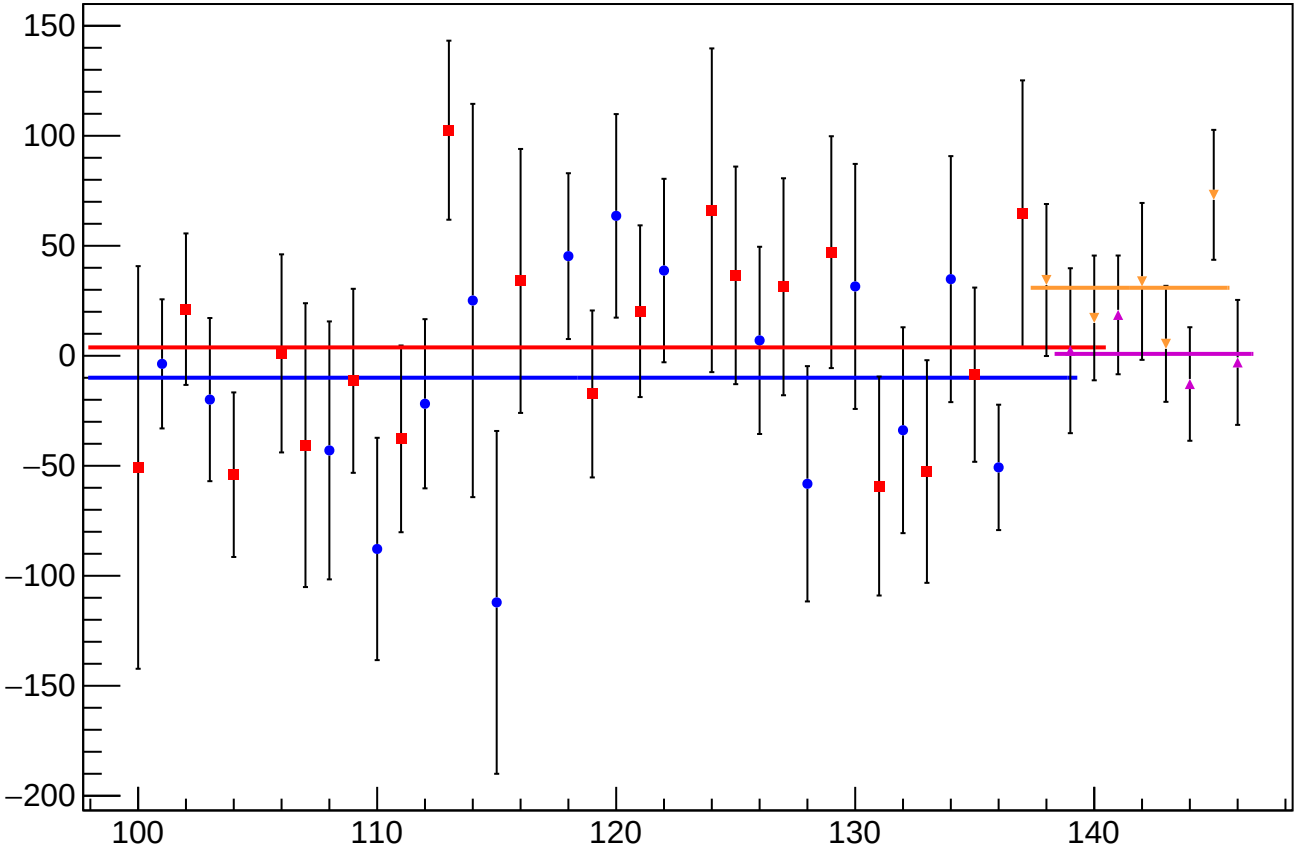
Left In: 3088.253+/-1.474 χ^2/NDF:2348038.6/3

+ sign 4995.928+/-1.244 χ^2/NDF: 4584225.5/20

All: 4573.815+/-0.825 χ^2/NDF: 10830951.5/4

- sign 4241.797+/-1.103 χ^2/NDF: 6040930.9/22

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 30.910+/-13.541 χ^2/NDF:3.2/4

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

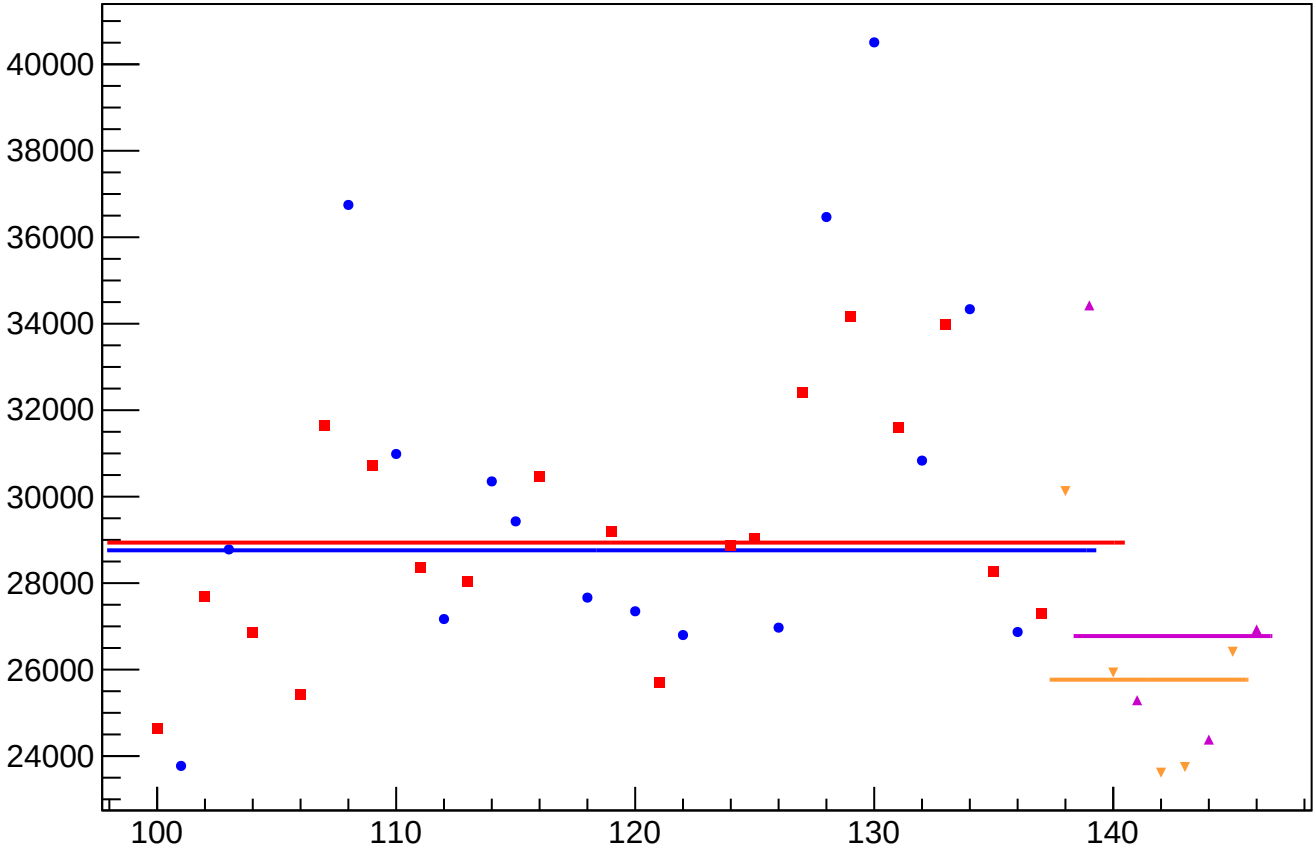
Left In: 0.865+/-14.395 χ^2/NDF:0.7/3

+ sign 5.990+/-8.461 χ^2/NDF: 24.1/20

All: 4.399+/-6.015 χ^2/NDF: 42.2/43

- sign 2.772+/-8.554 χ^2/NDF: 18.1/22

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25766.848+/-9.575 χ^2/NDF:51916.4/4

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

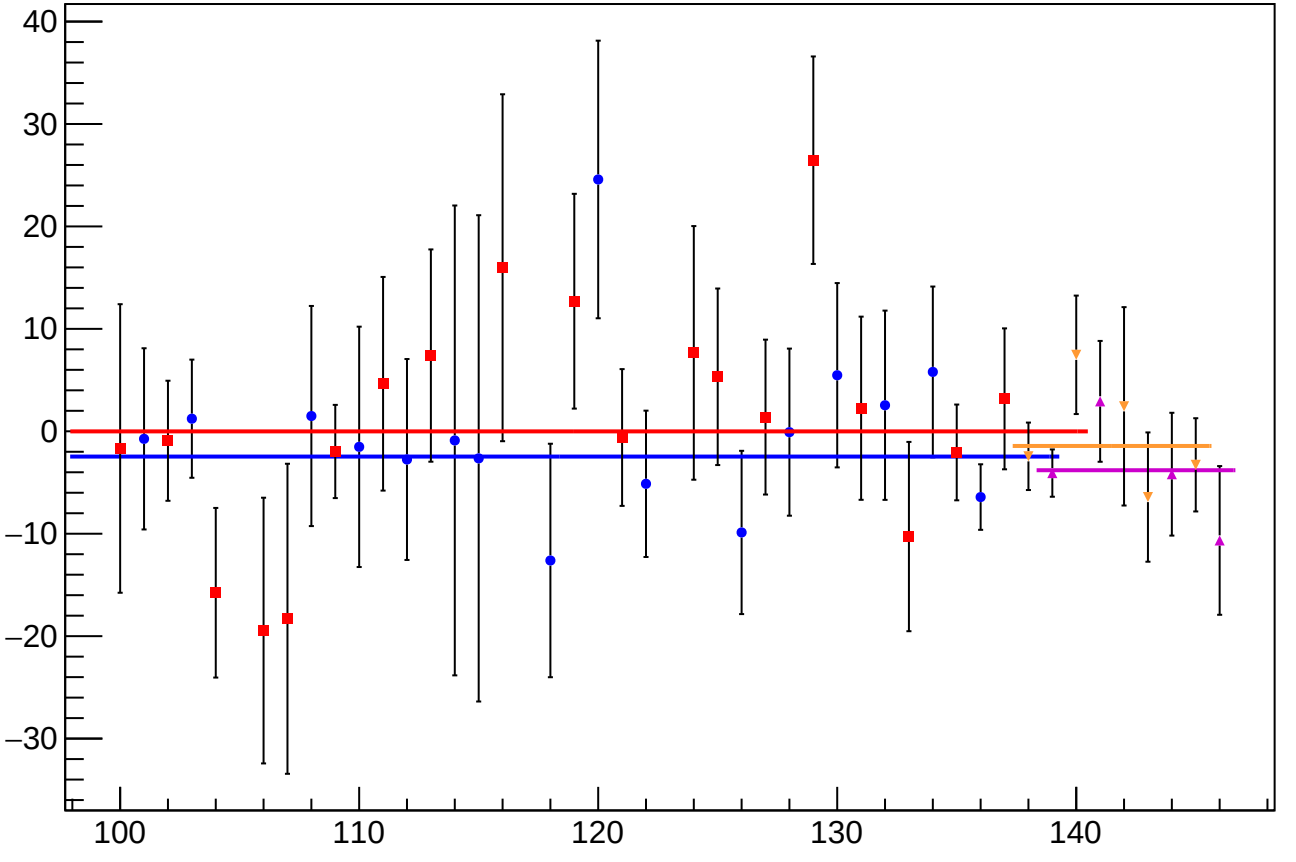
Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

+ sign 27590.959+/-5.983 χ^2/NDF: 389089.4/20

All: 27879.353+/-4.254 χ^2/NDF: 635809.5/43

- sign 28174.171+/-6.049 χ^2/NDF: 242020.9/22

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.432+/-2.202 χ^2/NDF:3.4/4

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

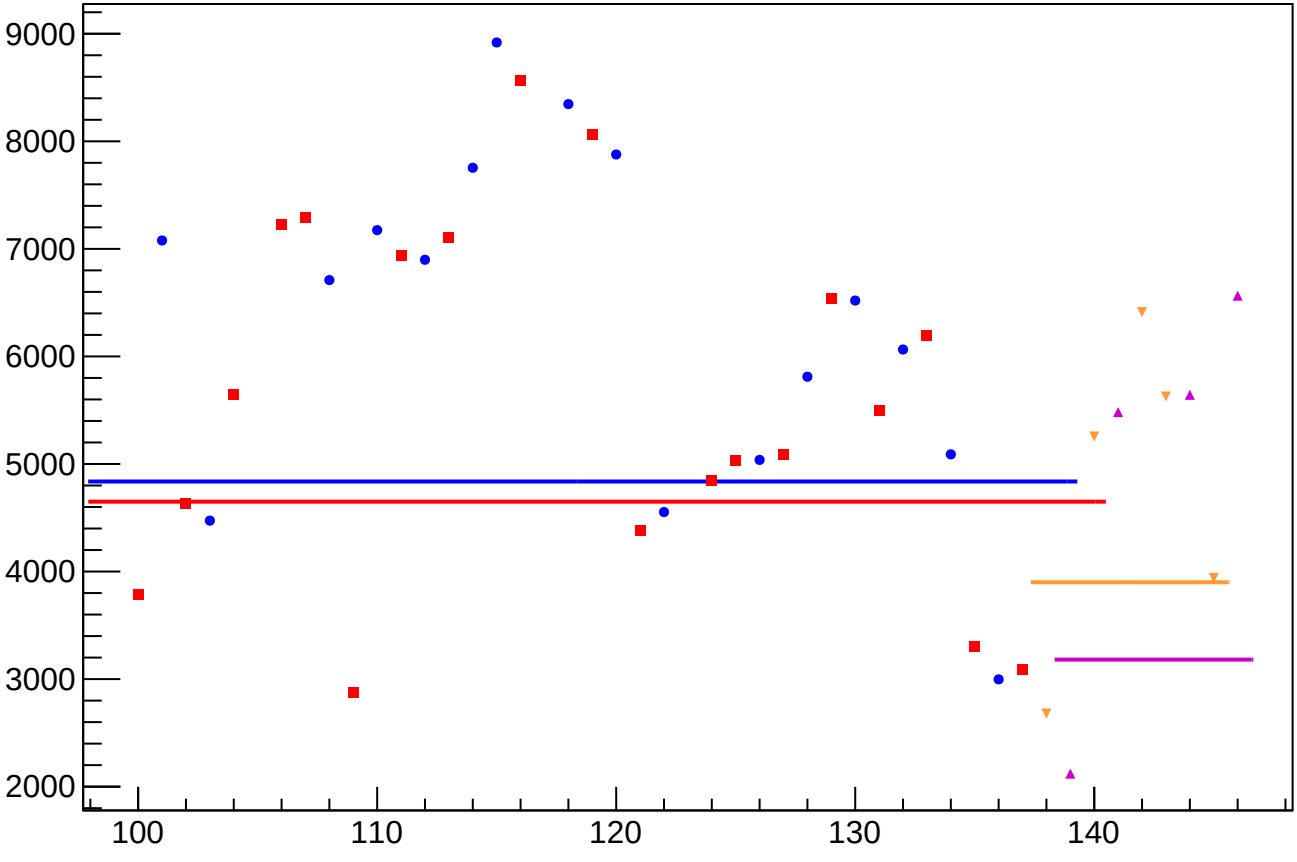
Left In: -3.801+/-1.949 χ^2/NDF:2.2/3

+ sign -2.021+/-1.445 χ^2/NDF: 13.6/20

All: -1.893+/-0.980 χ^2/NDF: 37.8/43

- sign -1.783+/-1.334 χ^2/NDF: 24.2/22

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 3900.264+/-1.557 χ^2/NDF:669016.5/4

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

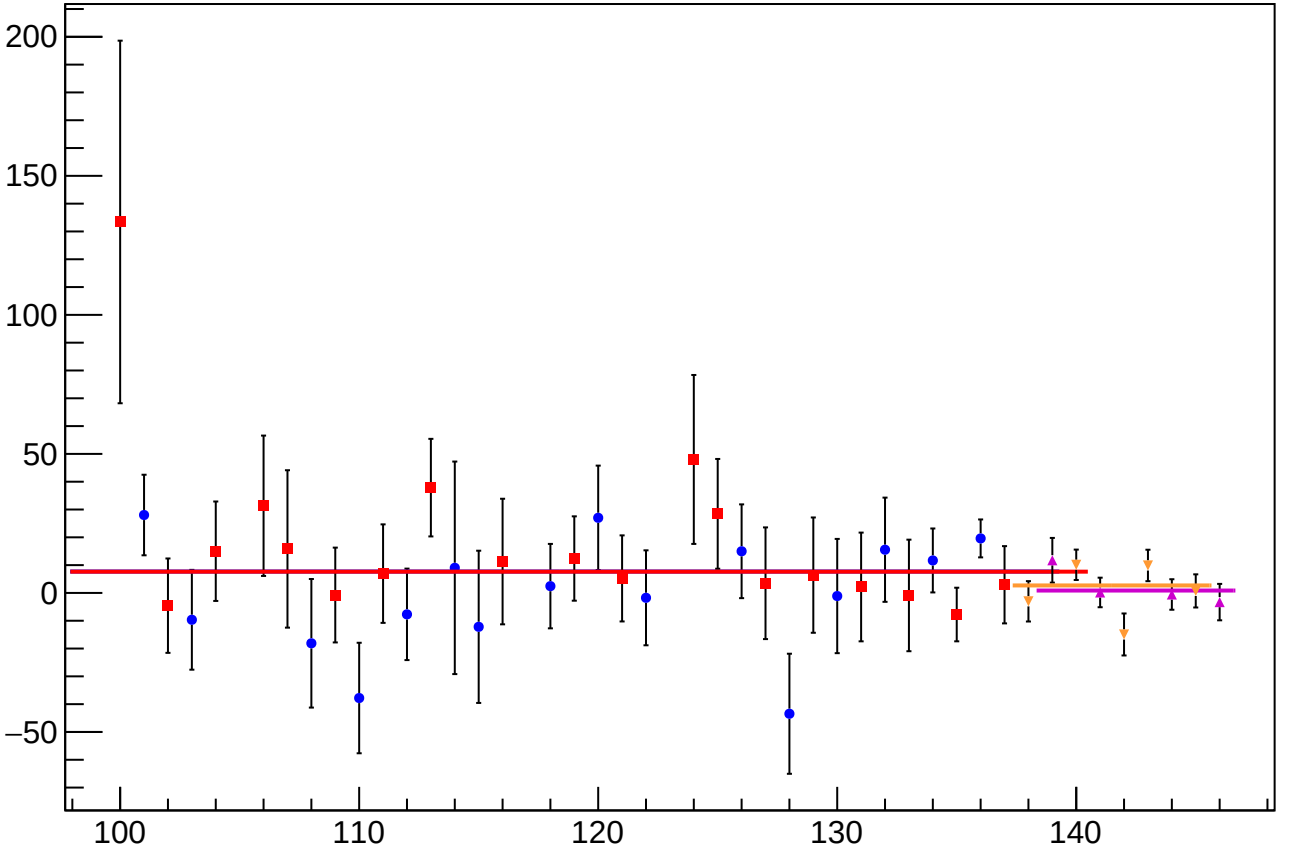
Left In: 3181.237+/-1.378 χ^2/NDF:1498106.8/3

+ sign 4433.595+/-1.022 χ^2/NDF: 2422862.0/20

All: 4179.137+/-0.693 χ^2/NDF: 6074040.4/43

- sign 3962.524+/-0.943 χ^2/NDF: 3536413.7/22

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 2.696+/-2.780 χ^2/NDF:9.6/4

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

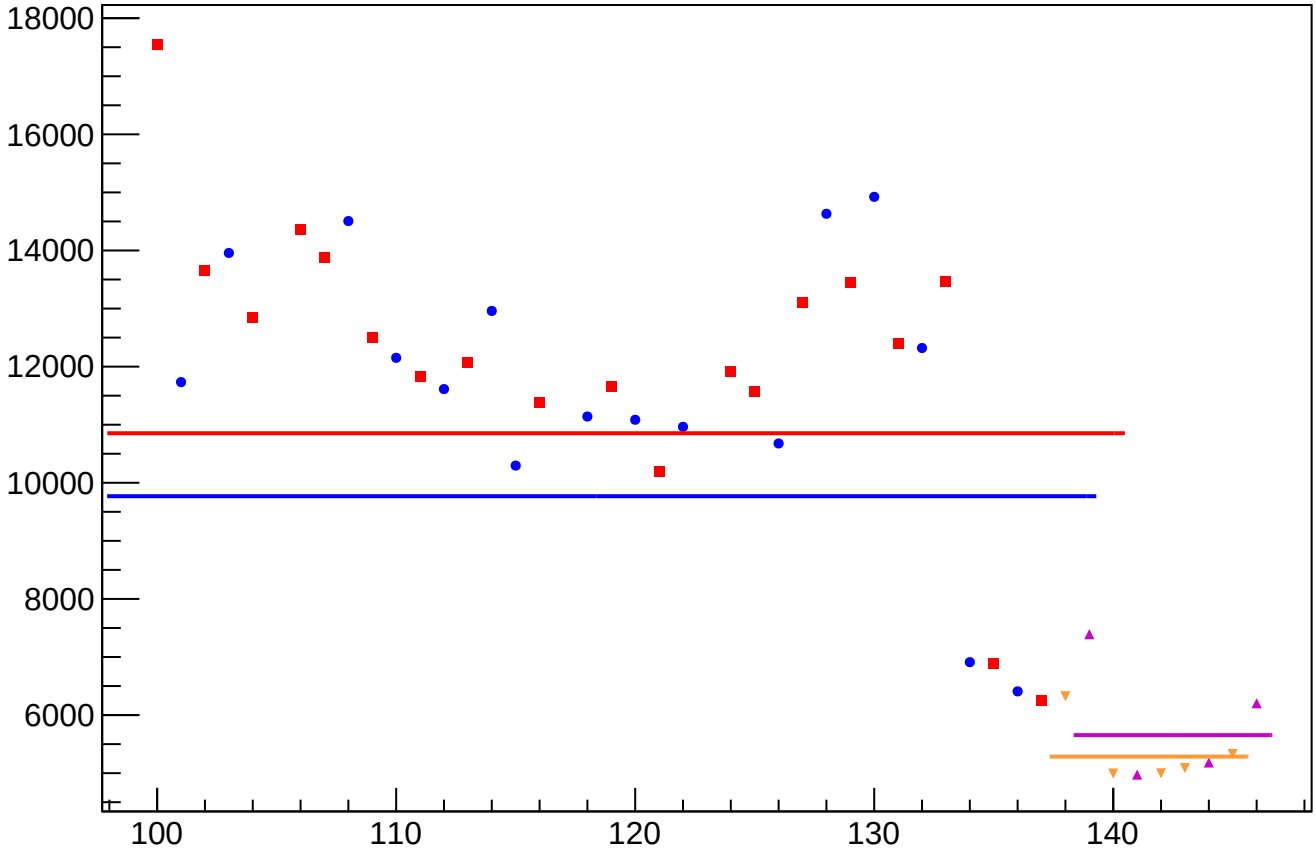
Left In: 0.860+/-3.051 χ^2/NDF:2.3/3

+ sign 4.428+/-2.248 χ^2/NDF: 32.4/20

All: 3.903+/-1.655 χ^2/NDF: 51.2/43

- sign 3.281+/-2.448 χ^2/NDF: 18.7/22

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5284.770+/-1.966 χ^2/NDF:52207.5/4

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

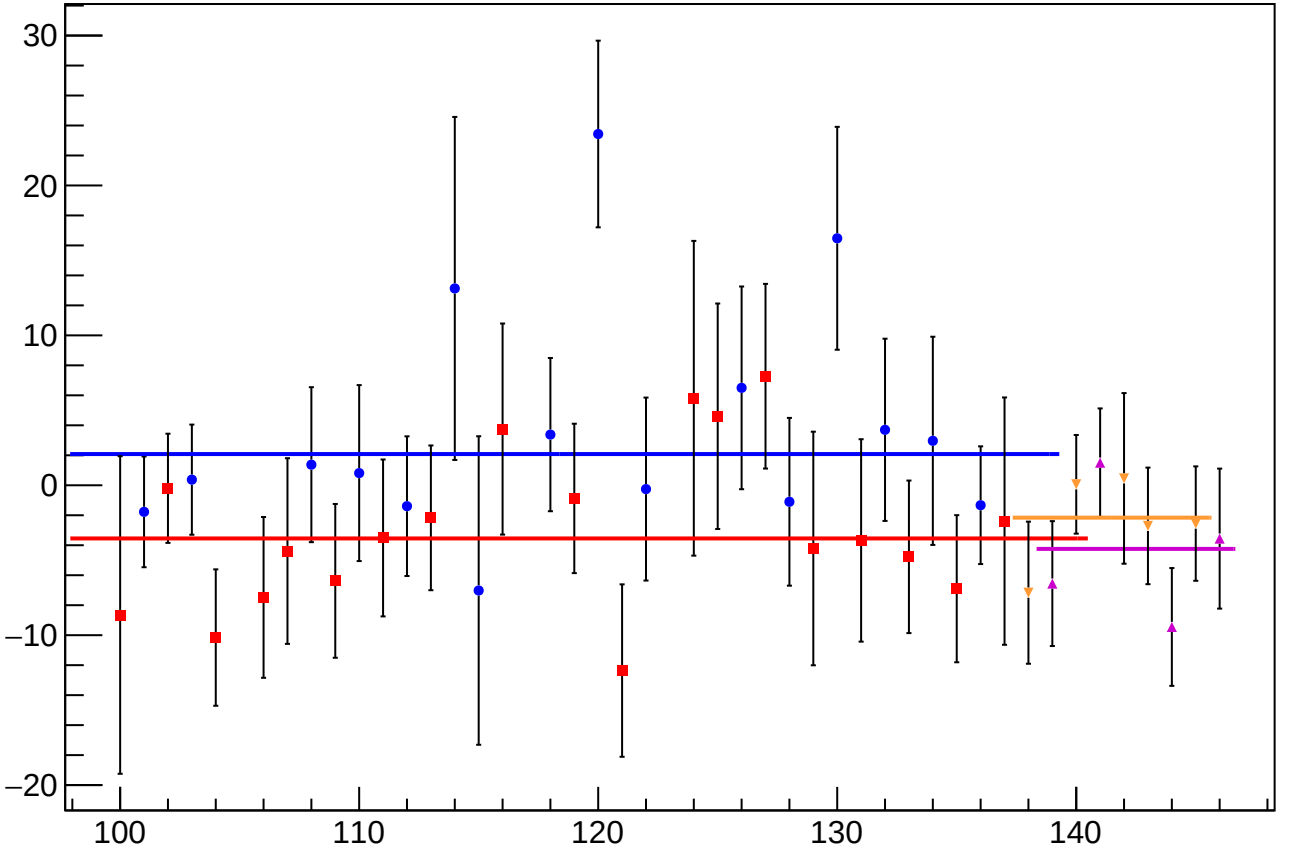
Left In: 5654.779+/-2.157 χ^2/NDF:155020.5/3

+ sign 6837.217+/-1.589 χ^2/NDF: 3067755.3/20

All: 7144.055+/-1.171 χ^2/NDF: 6248352.8/43

- sign 7507.920+/-1.731 χ^2/NDF: 3099118.9/22

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.160+/-1.818 χ^2/NDF:1.8/4

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

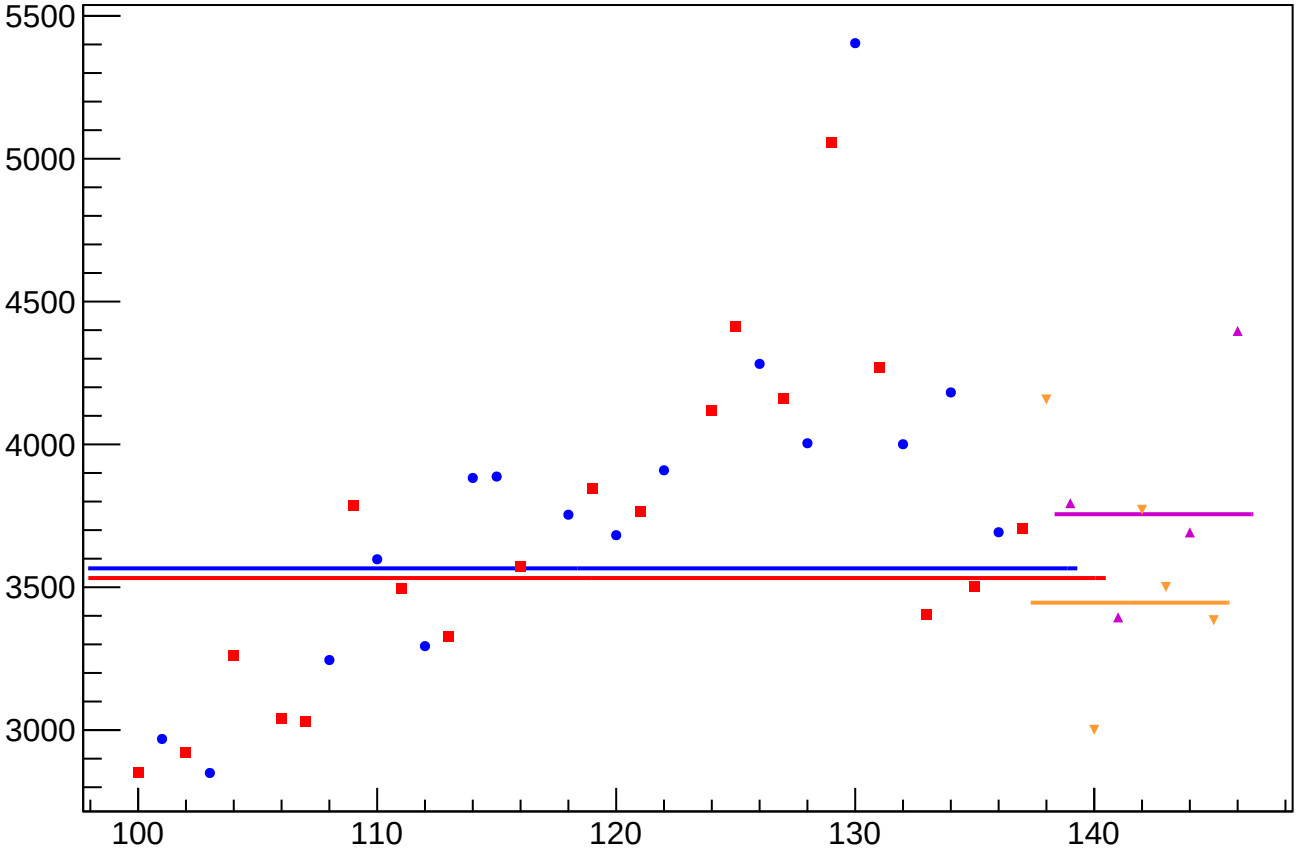
Left In: -4.244+/-2.022 χ^2/NDF:4.6/3

+ sign 0.581+/-1.081 χ^2/NDF: 26.3/20

All: -1.556+/-0.770 χ^2/NDF: 52.3/43

- sign -3.751+/-1.096 χ^2/NDF: 18.1/22

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3446.047+/-1.286 χ^2/NDF:89047.9/4

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

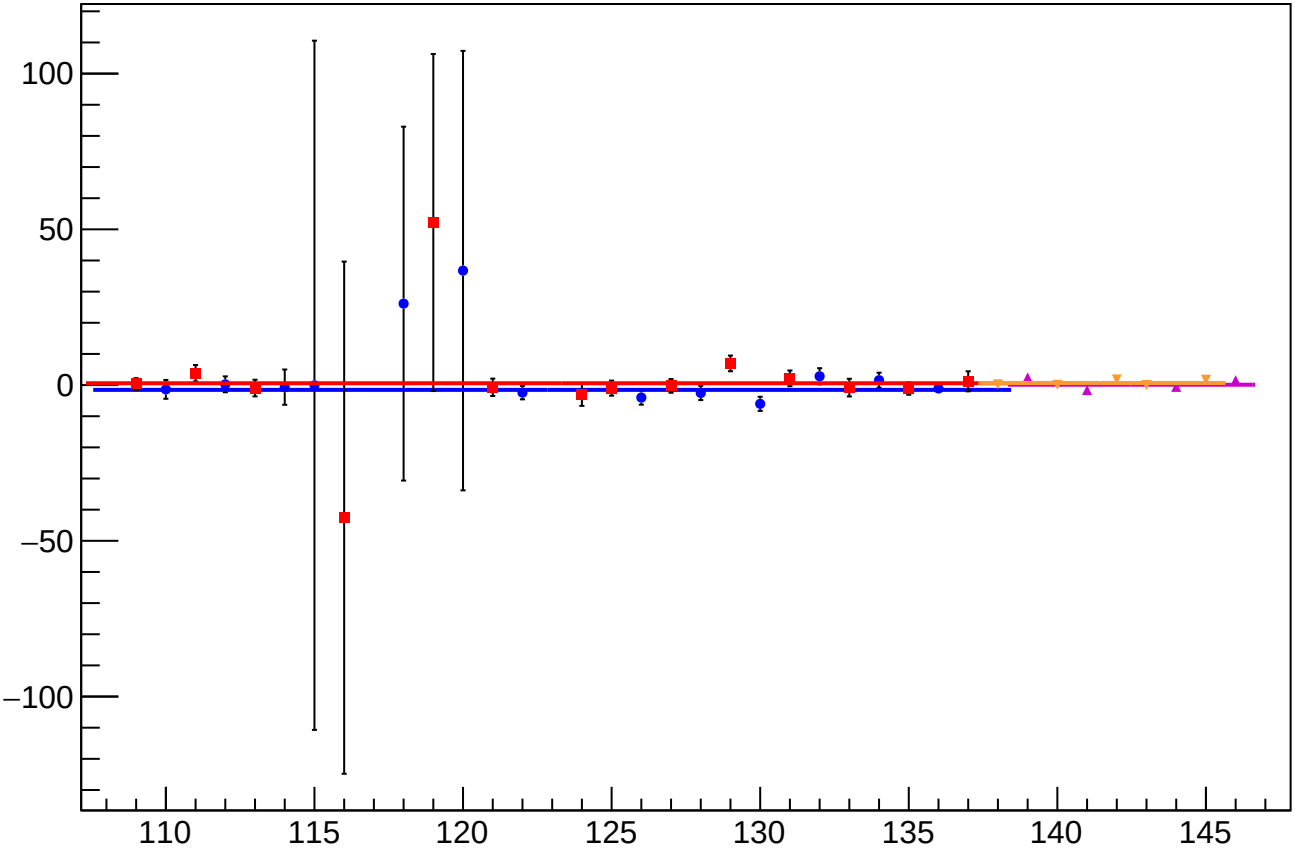
Left In: 3755.630+/-1.430 χ^2/NDF:58342.3/3

+ sign 3523.655+/-0.765 χ^2/NDF: 435793.4/20

All: 3560.243+/-0.544 χ^2/NDF: 794714.3/43

- sign 3597.824+/-0.775 χ^2/NDF: 354280.0/22

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.682+/-0.516 χ^2/NDF:2.4/4

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

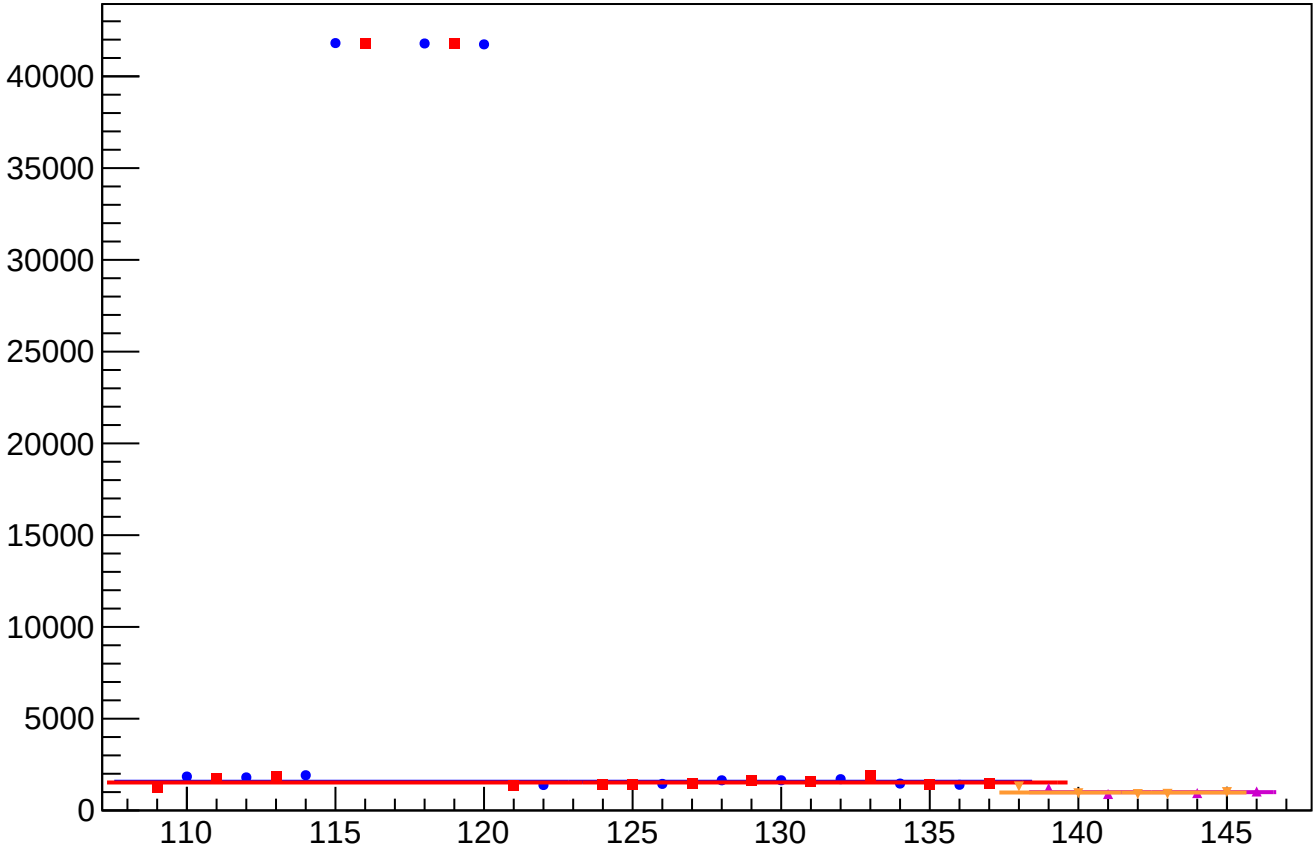
Left In: 0.114+/-0.537 χ^2/NDF:8.5/3

+ sign -0.053+/-0.422 χ^2/NDF: 19.6/17

All: 0.112+/-0.301 χ^2/NDF: 41.4/35

- sign 0.284+/-0.430 χ^2/NDF: 21.4/17

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 978.129+/-0.365 χ^2/NDF:118253.3/4

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

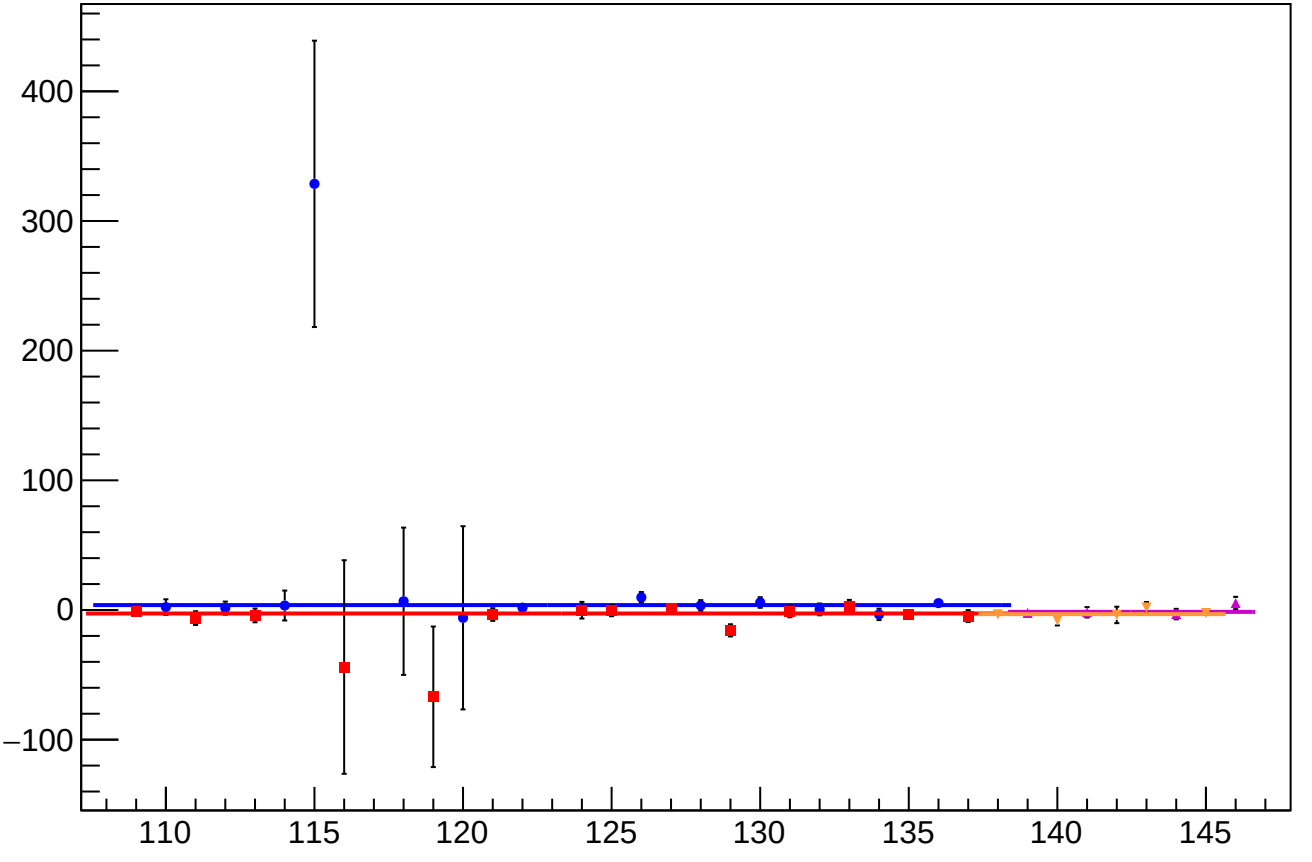
Left In: 997.373+/-0.379 χ^2/NDF:82923.4/3

+ sign 1172.472+/-0.298 χ^2/NDF: 2990891.2/17

All: 1179.258+/-0.213 χ^2/NDF: 5505137.5/35

- sign 1186.297+/-0.304 χ^2/NDF: 2513191.9/17

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -3.202+/-1.479 χ^2/NDF:3.0/4

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

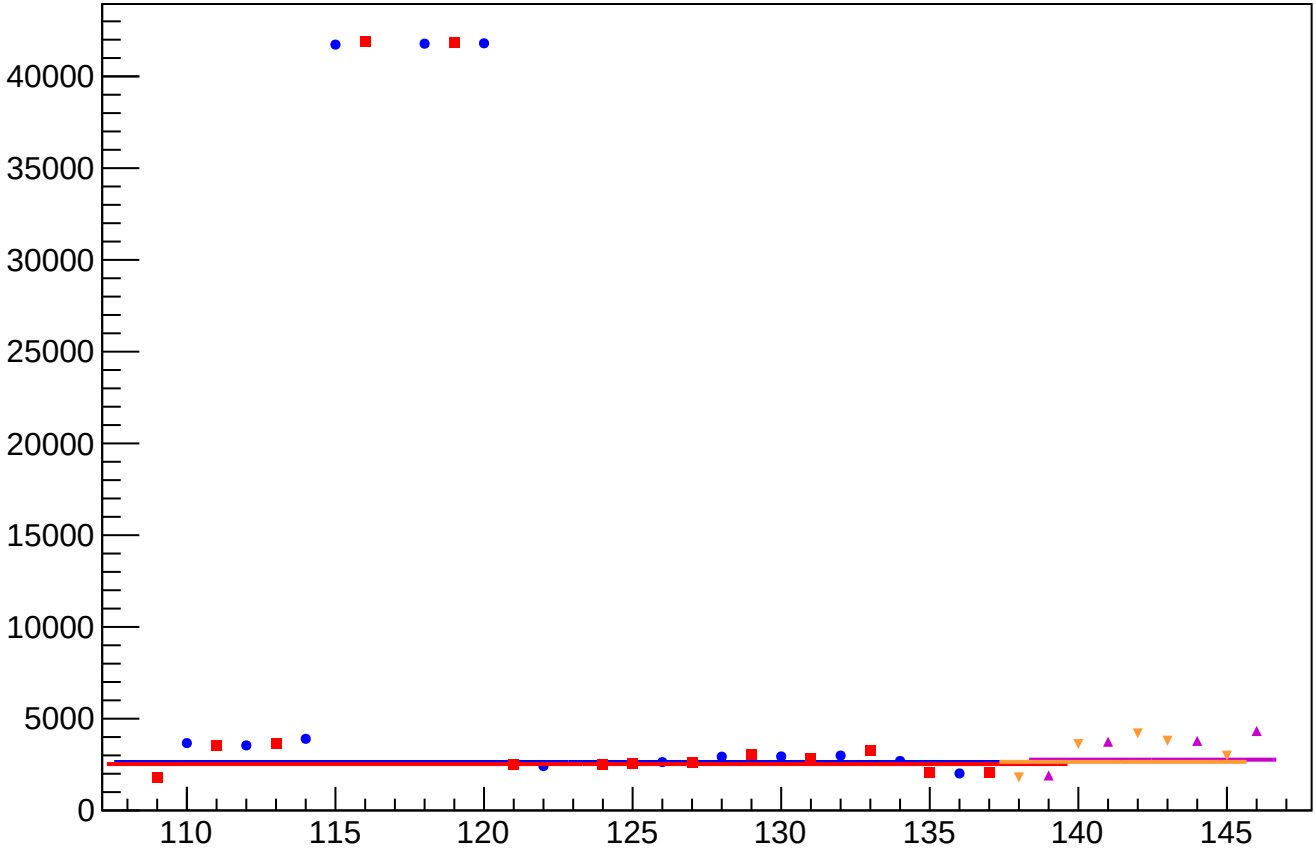
Left In: -1.454+/-1.599 χ^2/NDF:2.3/3

+ sign 0.873+/-0.954 χ^2/NDF: 31.2/17

All: -0.671+/-0.679 χ^2/NDF: 52.8/35

- sign -2.252+/-0.965 χ^2/NDF: 16.4/17

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2648.502+/-1.046 χ^2/NDF:733616.0/4

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

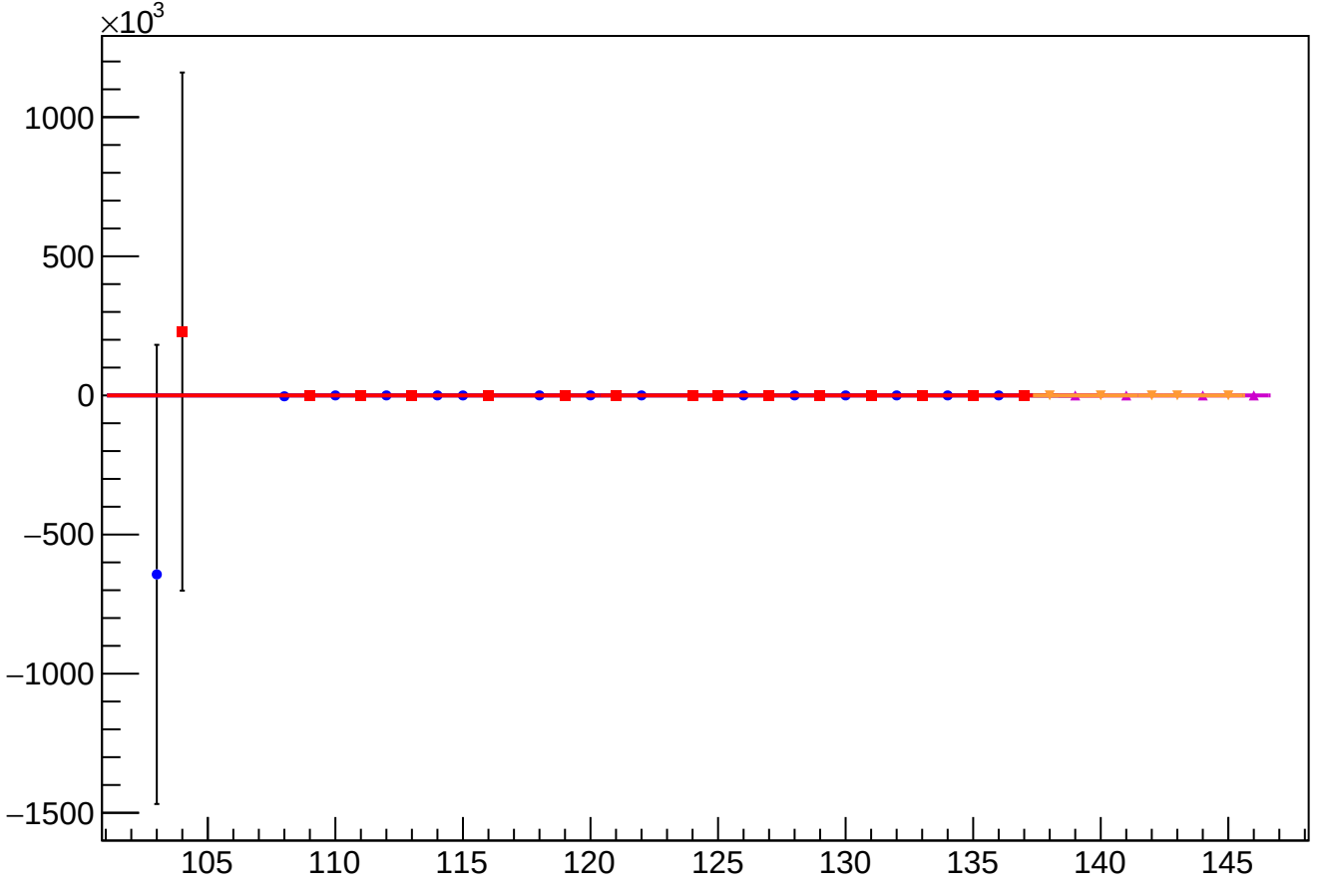
Left In: 2767.462+/-1.131 χ^2/NDF:793034.1/3

+ sign 2643.504+/-0.675 χ^2/NDF: 2907050.3/17

All: 2629.880+/-0.480 χ^2/NDF: 5679103.6/35

- sign 2615.929+/-0.683 χ^2/NDF: 2771227.7/17

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -0.208+/-0.761 χ^2/NDF:5.6/4

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

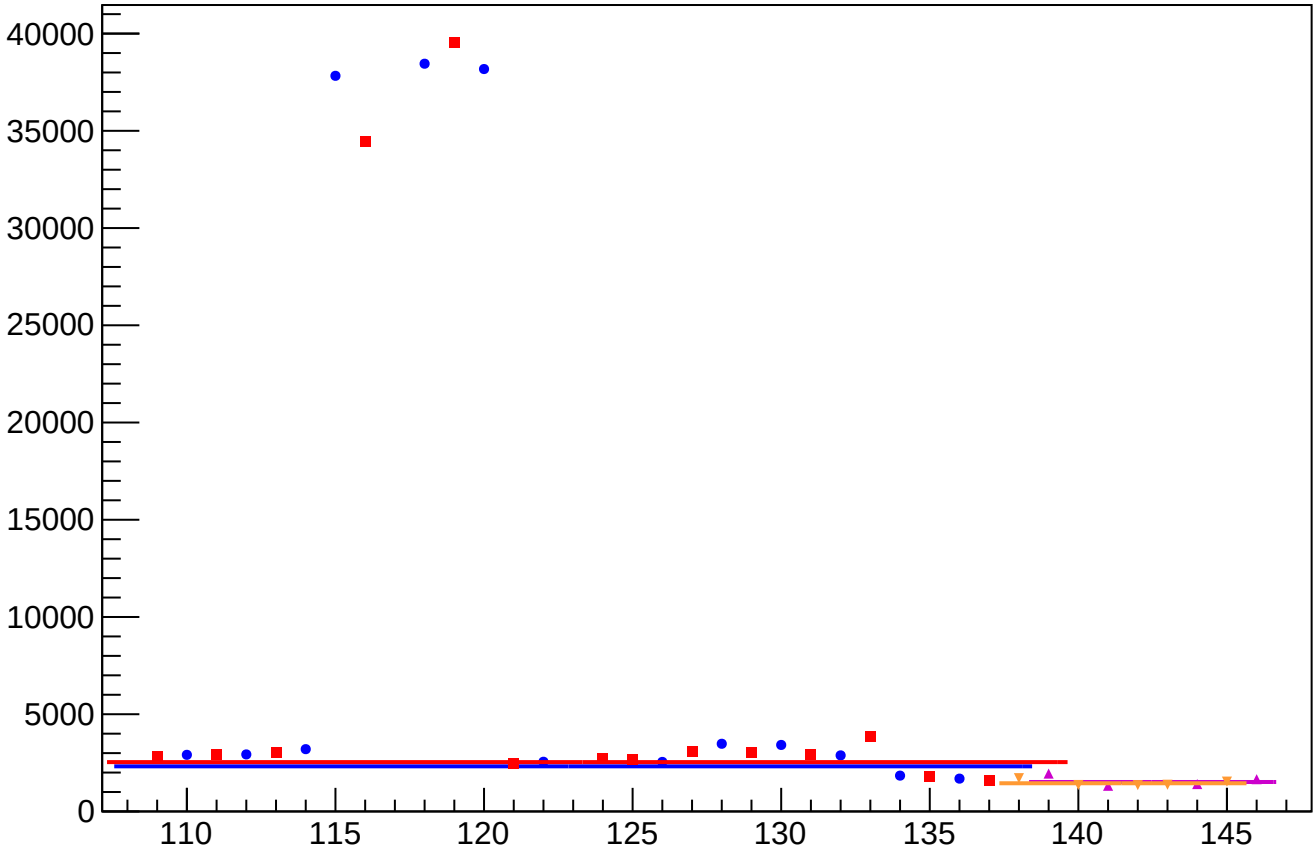
Left In: -0.627+/-0.818 χ^2/NDF:0.8/3

+ sign -0.524+/-0.631 χ^2/NDF: 24.9/19

All: -0.869+/-0.462 χ^2/NDF: 42.7/38

- sign -1.267+/-0.678 χ^2/NDF: 17.2/18

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1449.740+/-0.538 χ^2/NDF:57130.3/4

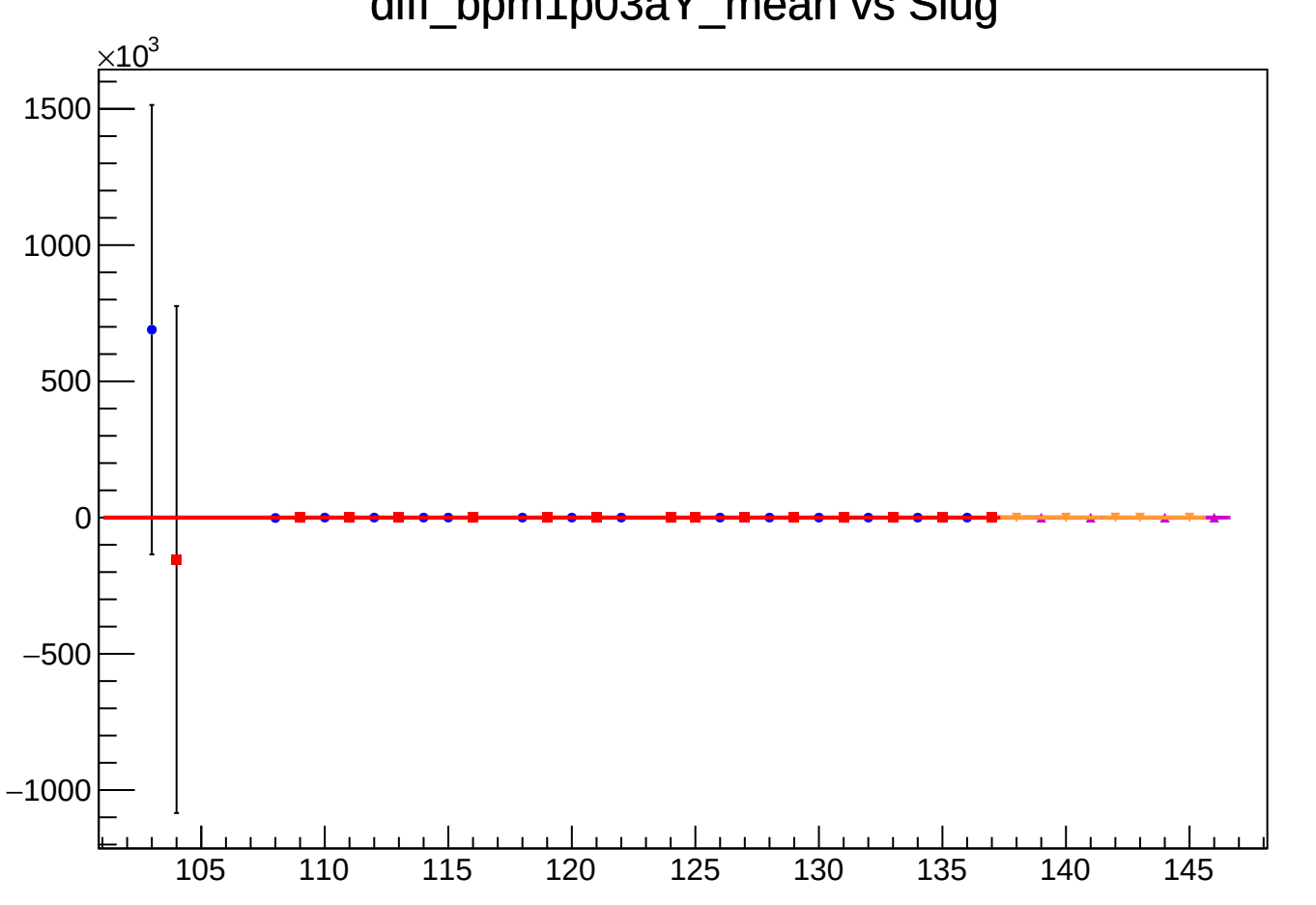
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1514.789+/-0.578 χ^2/NDF:144879.7/3

+ sign 1723.156+/-0.446 χ^2/NDF: 3340005.8/17

All: 1775.115+/-0.326 χ^2/NDF: 6531965.0/35

- sign 1835.152+/-0.479 χ^2/NDF: 3162689.0/17



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.710+/-1.011 χ^2/NDF:4.8/4

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

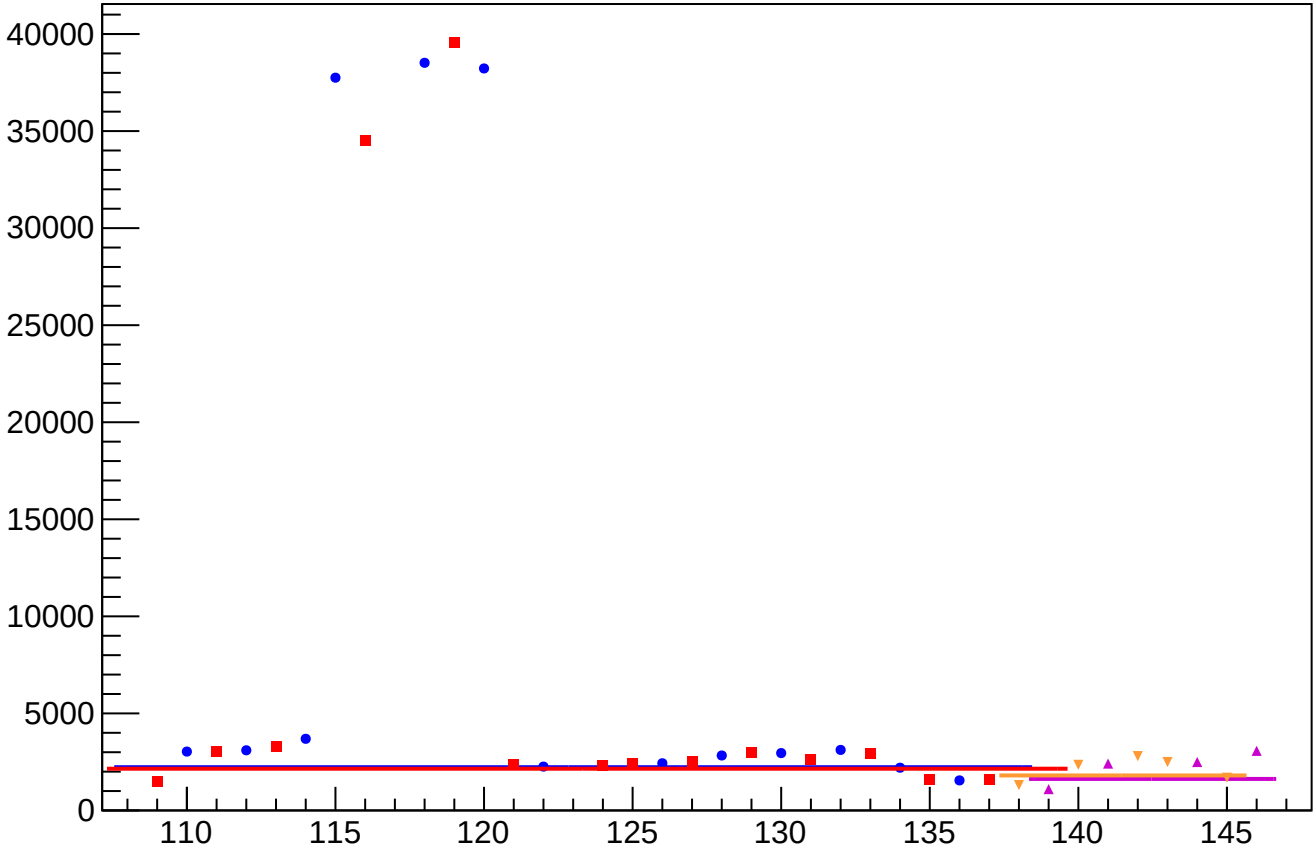
Left In: 0.471+/-0.963 χ^2/NDF:2.0/3

\+ sign -0.108+/-0.737 χ^2/NDF: 15.2/19

All: -0.367+/-0.511 χ^2/NDF: 35.5/38

\- sign -0.607+/-0.710 χ^2/NDF: 20.1/18

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1803.622+/-0.715 χ^2/NDF:524833.3/4

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

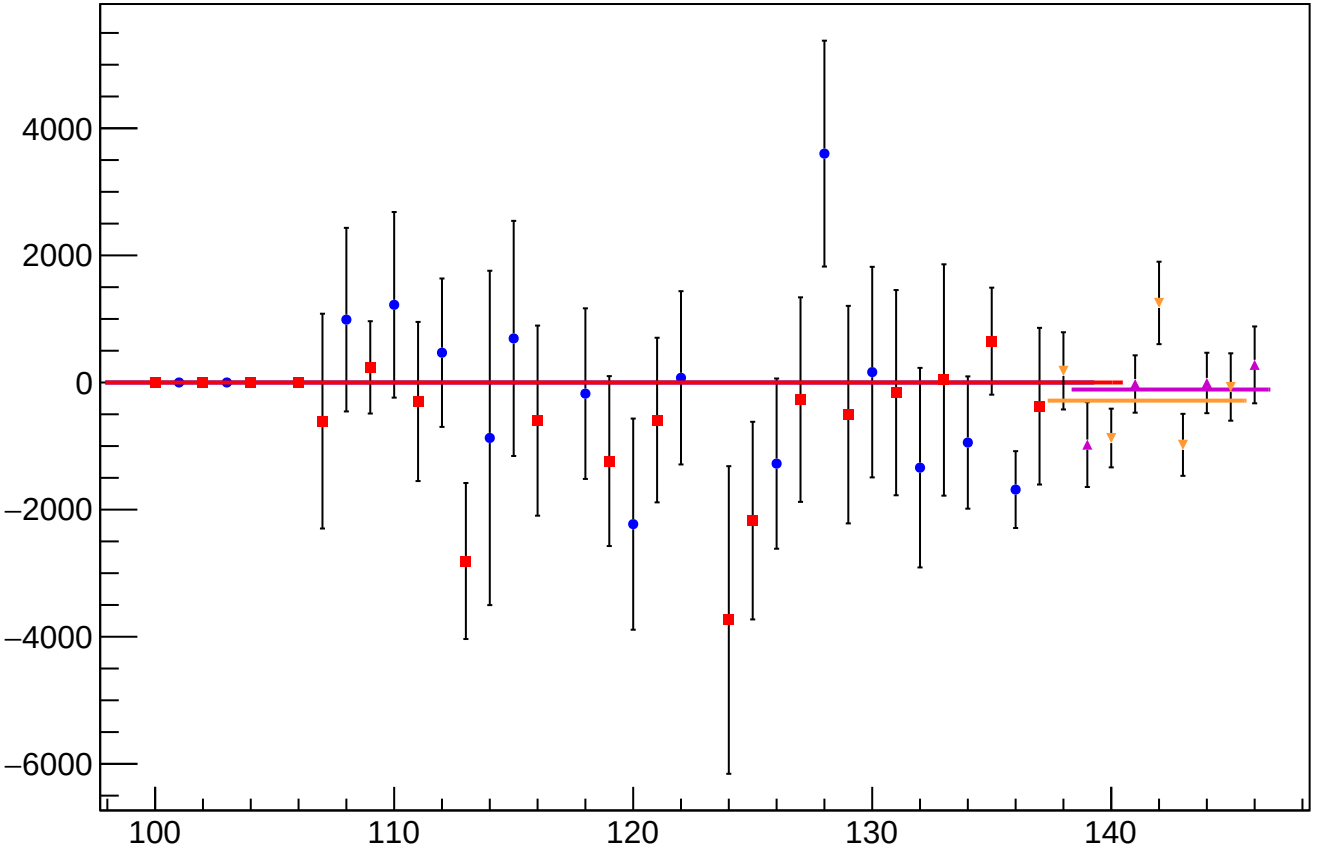
Left In: 1623.923+/-0.681 χ^2/NDF:1156537.5/3

+ sign 2002.118+/-0.521 χ^2/NDF: 3211411.0/17

All: 1930.610+/-0.362 χ^2/NDF: 6908647.6/35

- sign 1864.214+/-0.502 χ^2/NDF: 3660933.6/17

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -284.980+/-238.764 χ^2/NDF:10.0/4

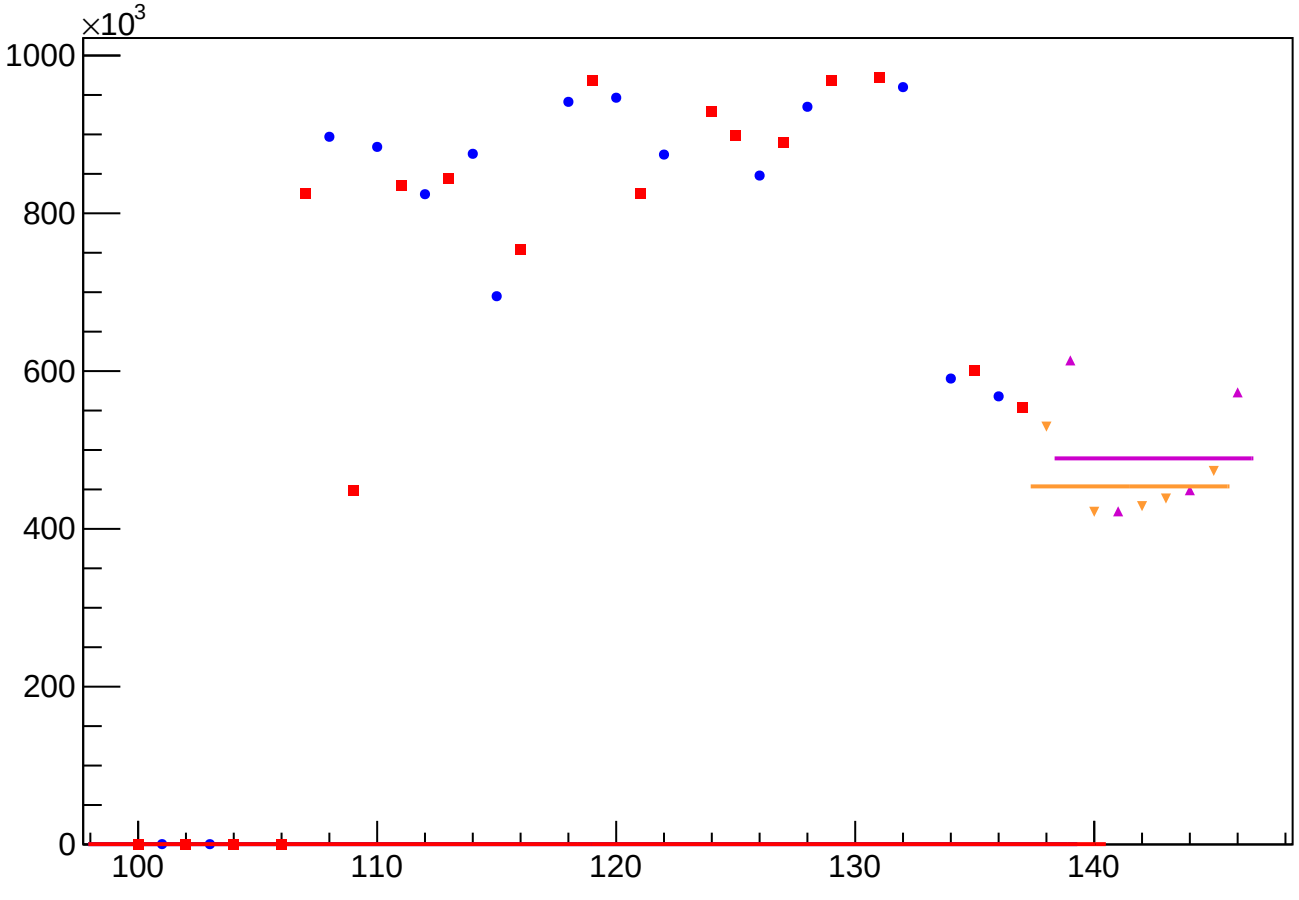
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -110.528+/-264.288 χ^2/NDF:2.2/3

+ sign 0.255+/-0.356 χ^2/NDF: 29.2/20

All: 0.169+/-0.241 χ^2/NDF: 47.1/43

- sign 0.096+/-0.328 χ^2/NDF: 17.8/22



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 453848.460+/-168.832 χ^2/NDF:48543.8/4

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

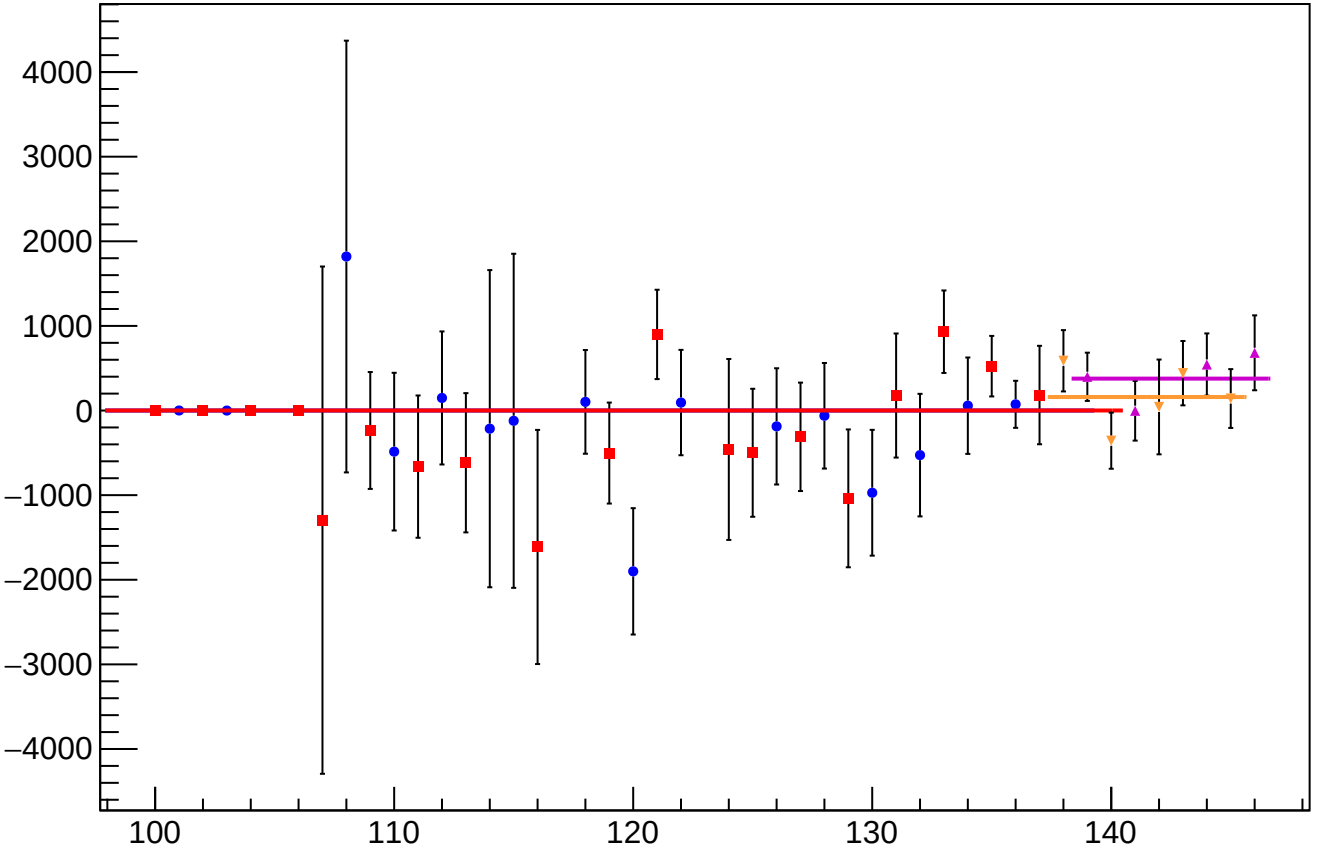
Left In: 489355.941+/-186.880 χ^2/NDF:166261.4/3

+ sign 399.887+/-0.251 χ^2/NDF: 15753910.1/19

All: 396.700+/-0.170 χ^2/NDF: 30414862.7/41

- sign 393.992+/-0.232 χ^2/NDF: 14660655.5/21

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 159.621+/-168.799 χ^2/NDF:4.4/4

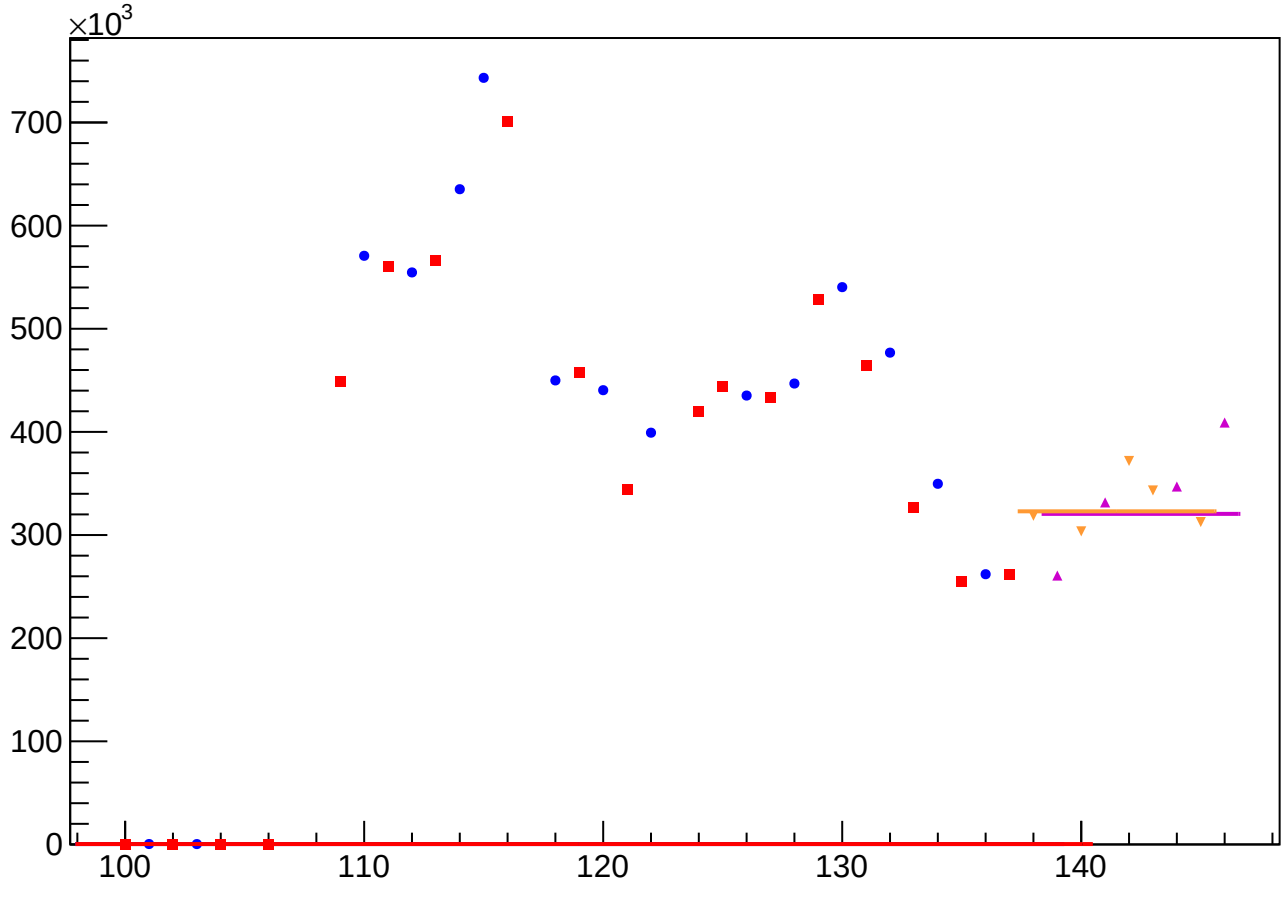
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 377.165+/-174.469 χ^2/NDF:1.8/3

+ sign -0.020+/-0.347 χ^2/NDF: 15.8/20

All: 0.312+/-0.237 χ^2/NDF: 39.0/43

- sign 0.600+/-0.324 χ^2/NDF: 21.5/22



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 322982.063+/-119.359 χ^2/NDF:29810.3/4

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

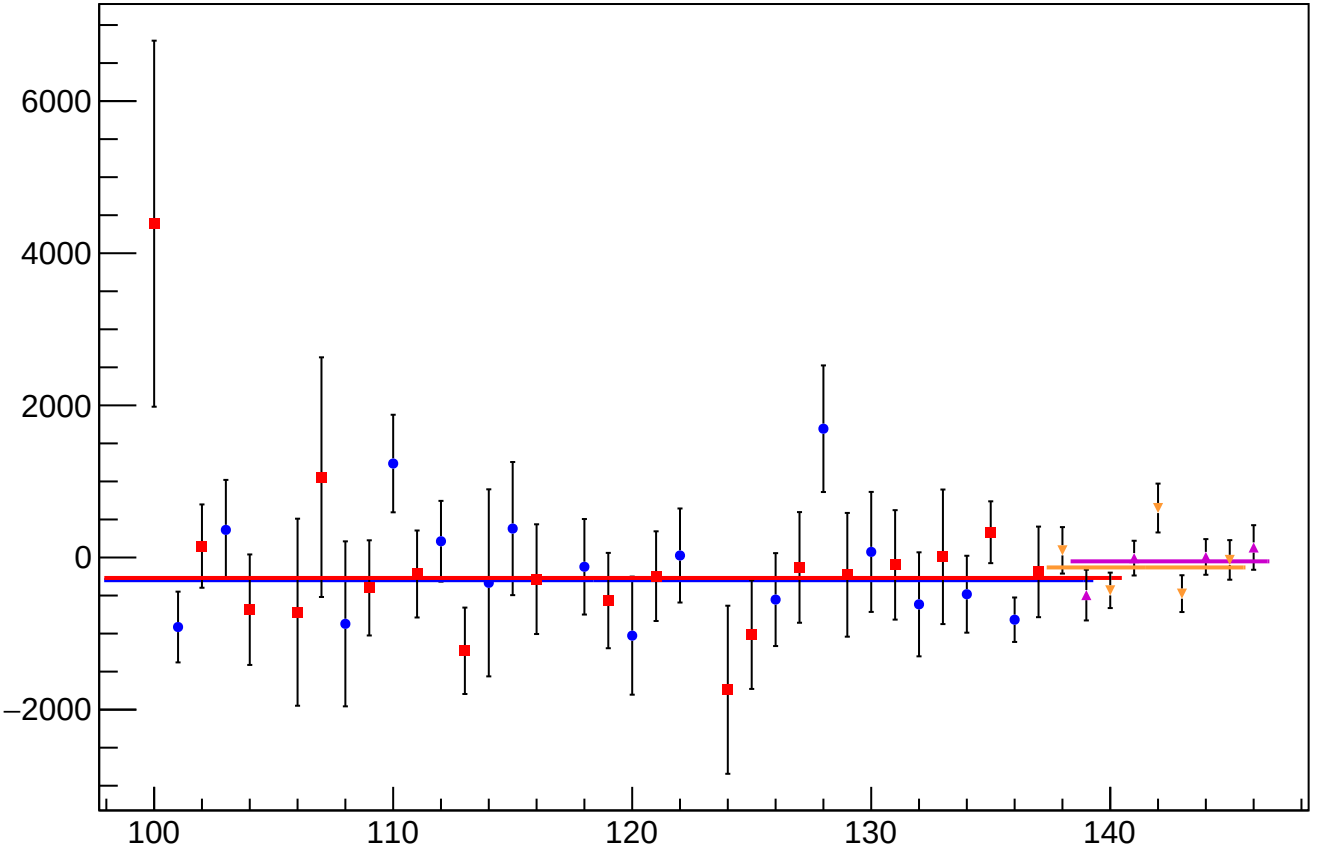
Left In: 320515.288+/-123.397 χ^2/NDF:180270.3/3

+ sign 391.640+/-0.245 χ^2/NDF: 18466668.3/19

All: 390.274+/-0.167 χ^2/NDF: 36451609.4/41

- sign 389.086+/-0.229 χ^2/NDF: 17984883.3/21

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -130.561+/-118.918 χ^2/NDF:10.3/4

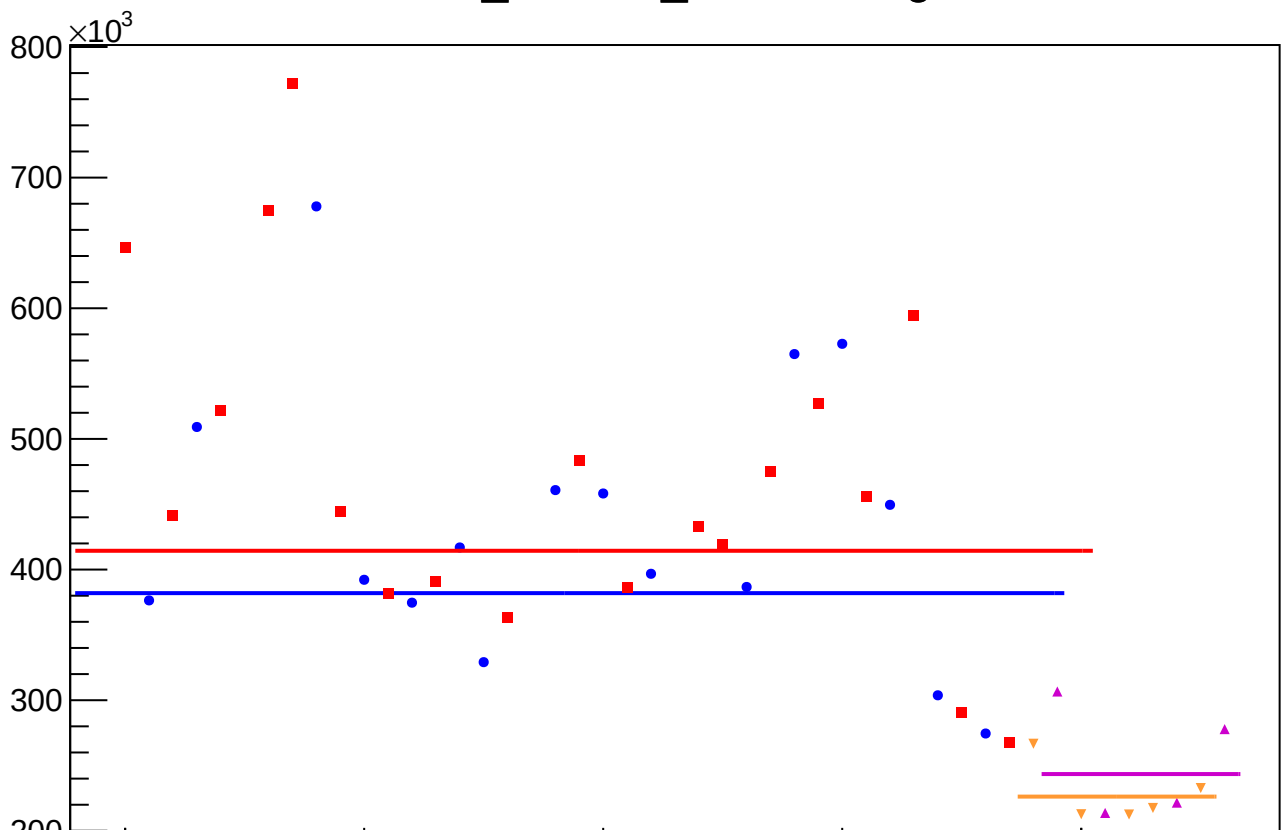
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -50.481+/-131.305 χ^2/NDF:2.3/3

+ sign -196.698+/-92.545 χ^2/NDF: 32.3/20

All: -171.013+/-68.113 χ^2/NDF: 49.7/43

- sign -140.656+/-100.612 χ^2/NDF: 17.3/22



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 226229.014+/-84.088 χ^2/NDF:49282.8/4

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

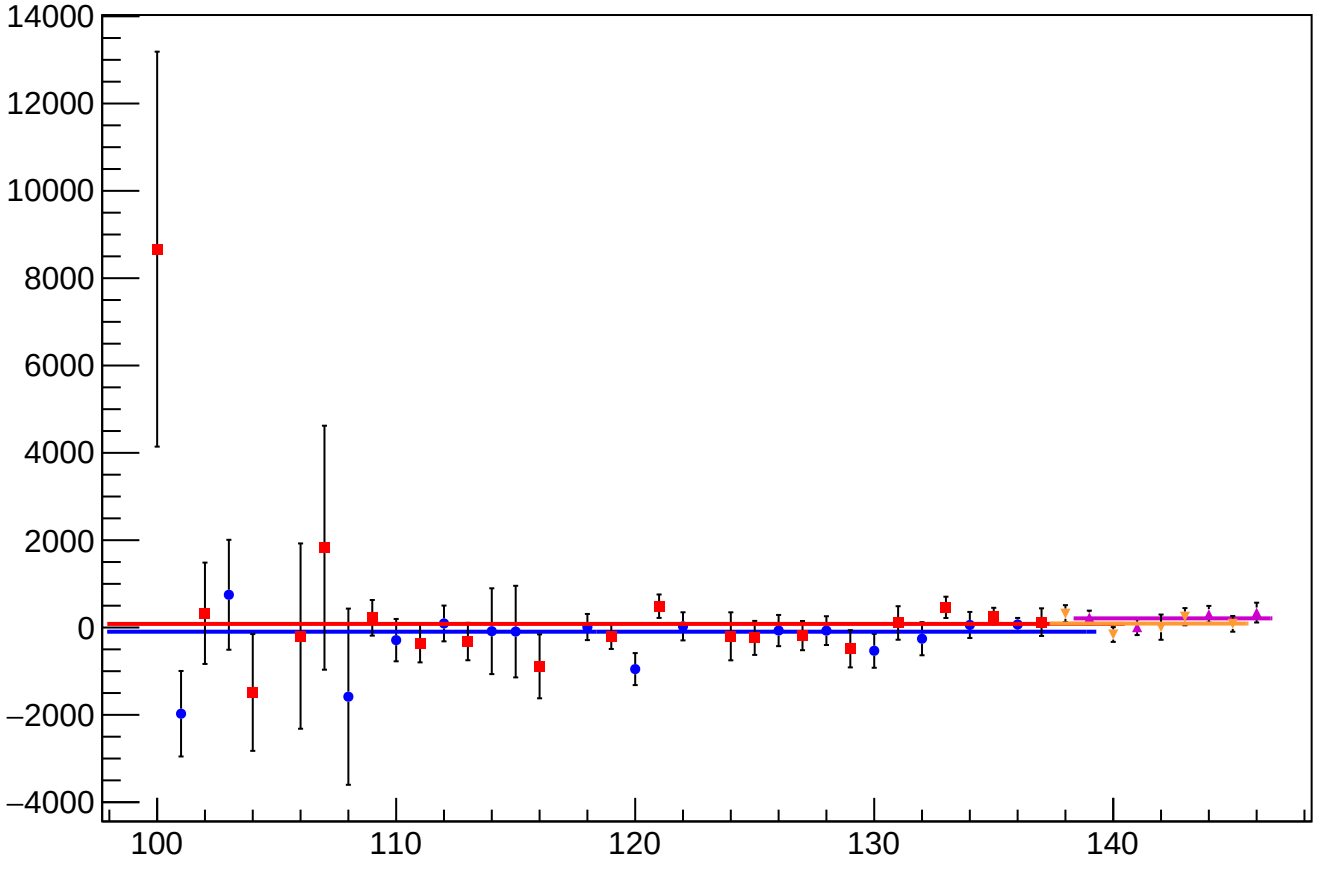
Left In: 243485.527+/-92.846 χ^2/NDF:150720.8/3

+ sign 287631.124+/-65.444 χ^2/NDF: 2238092.9/20

All: 299725.224+/-48.167 χ^2/NDF: 4621709.

- sign 314020.574+/-71.151 χ^2/NDF: 2309096.9/22

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 91.064+/-87.921 χ^2/NDF:4.2/4

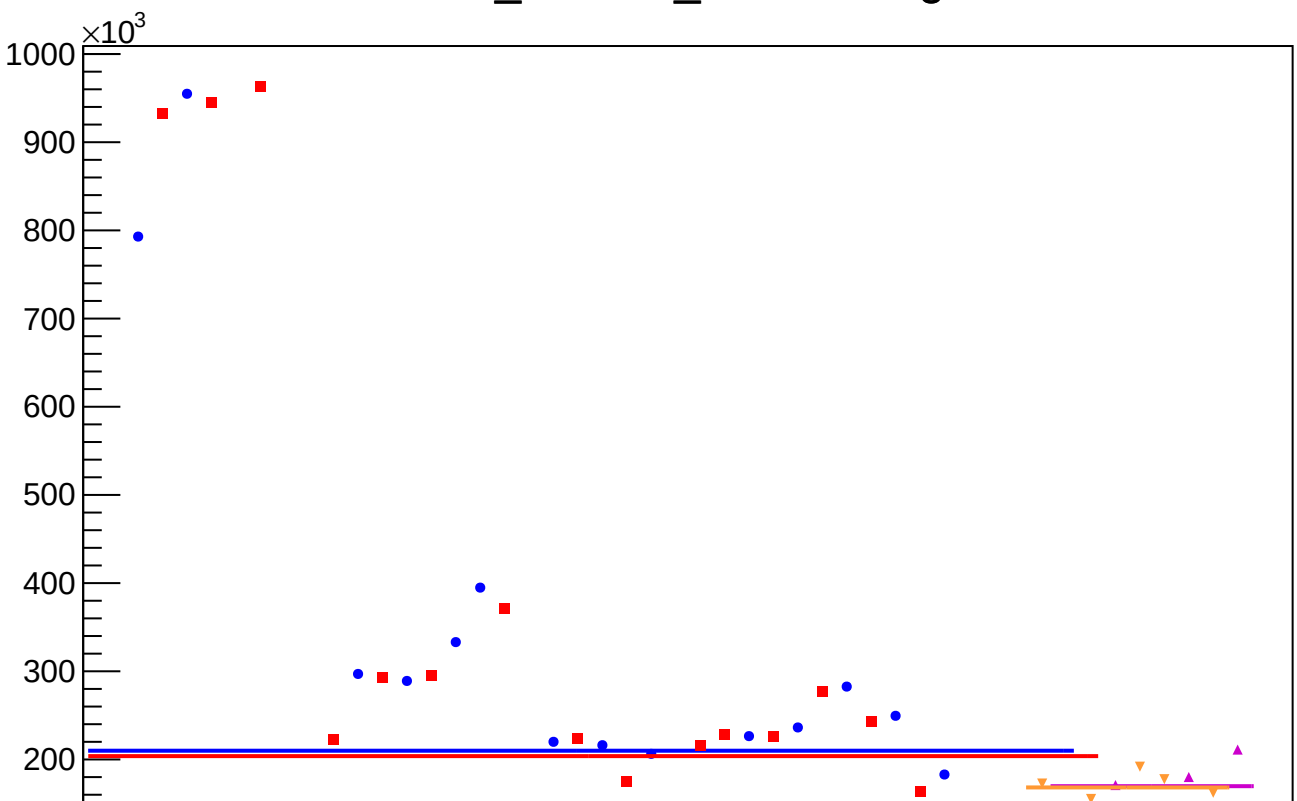
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 209.634+/-91.924 χ^2/NDF:1.8/3

+ sign -2.026+/-62.291 χ^2/NDF: 20.2/20

All: 69.280+/-44.402 χ^2/NDF: 44.8/43

- sign 142.932+/-63.308 χ^2/NDF: 21.9/22



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 168276.710+/-62.169 χ^2/NDF:32881.8/4

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

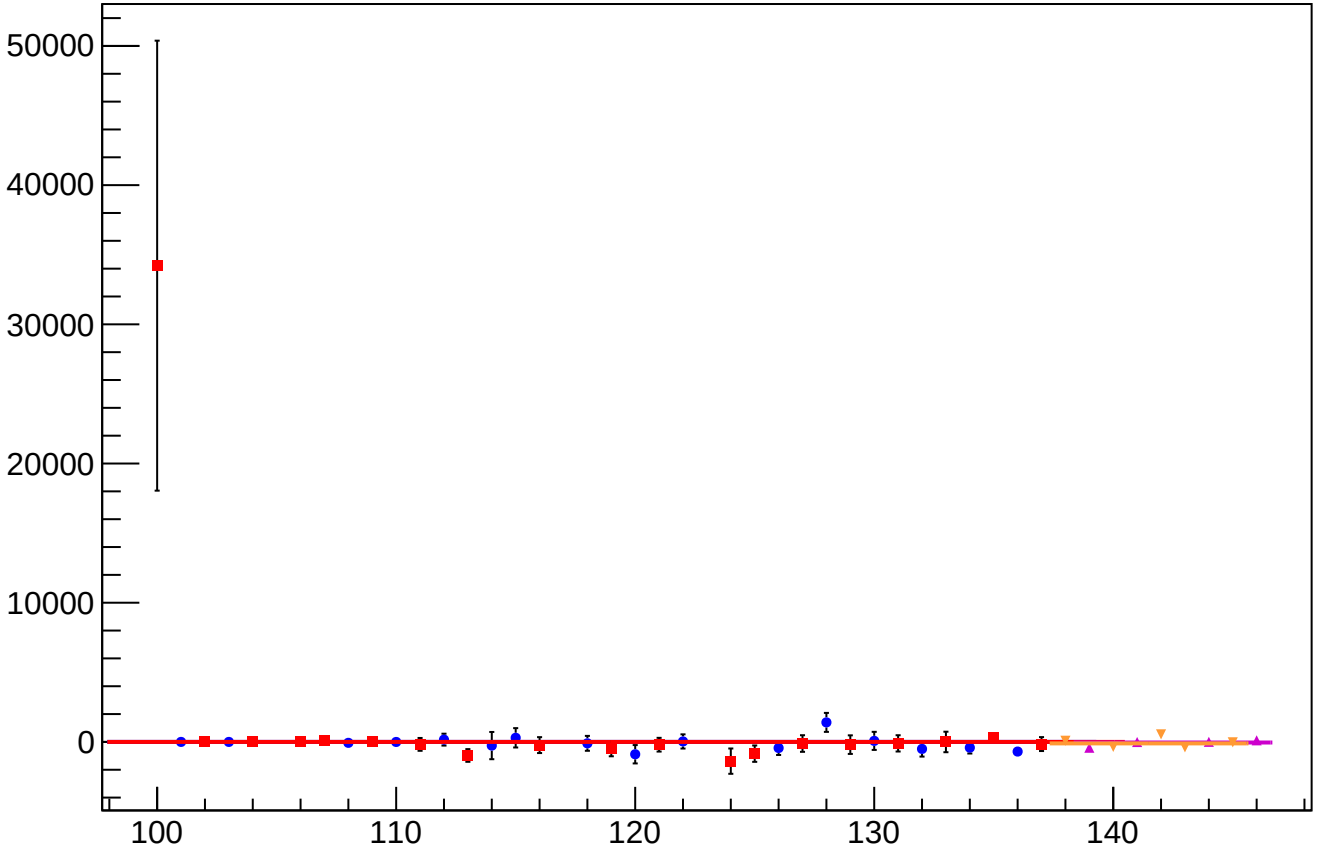
Left In: 169707.879+/-65.000 χ^2/NDF:134971.3/3

+ sign 188984.916+/-44.085 χ^2/NDF: 2215946.3/19

All: 188296.209+/-31.431 χ^2/NDF: 4566111.5

- sign 187584.222+/-44.824 χ^2/NDF: 2349668.9/20

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -106.856+/-98.953 χ^2/NDF:10.3/4

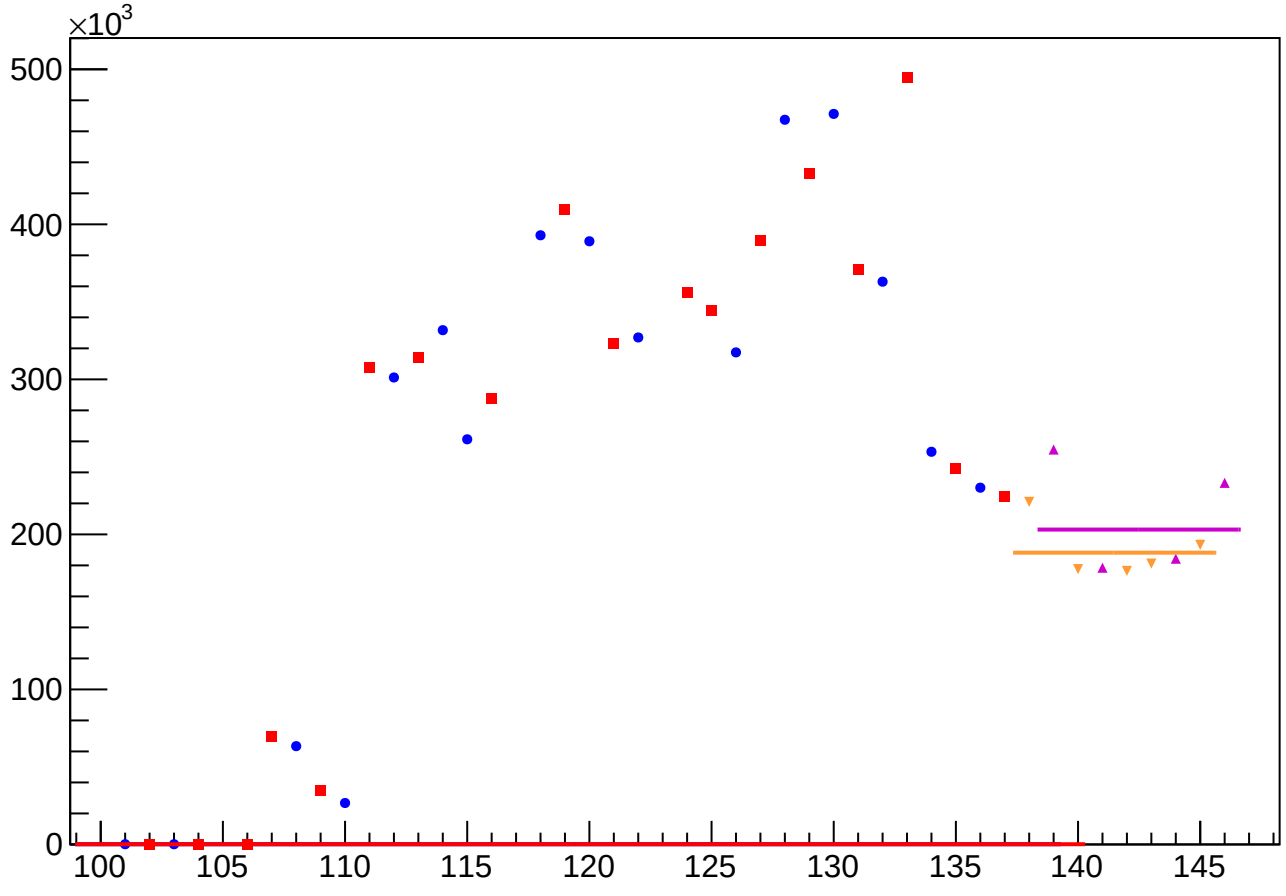
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -43.171+/-109.542 χ^2/NDF:2.3/3

+ sign -0.035+/-0.172 χ^2/NDF: 29.6/20

All: -0.207+/-0.117 χ^2/NDF: 50.4/43

- sign -0.355+/-0.160 χ^2/NDF: 19.0/22



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 188213.674+/-69.970 χ^2/NDF:46912.1/4

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

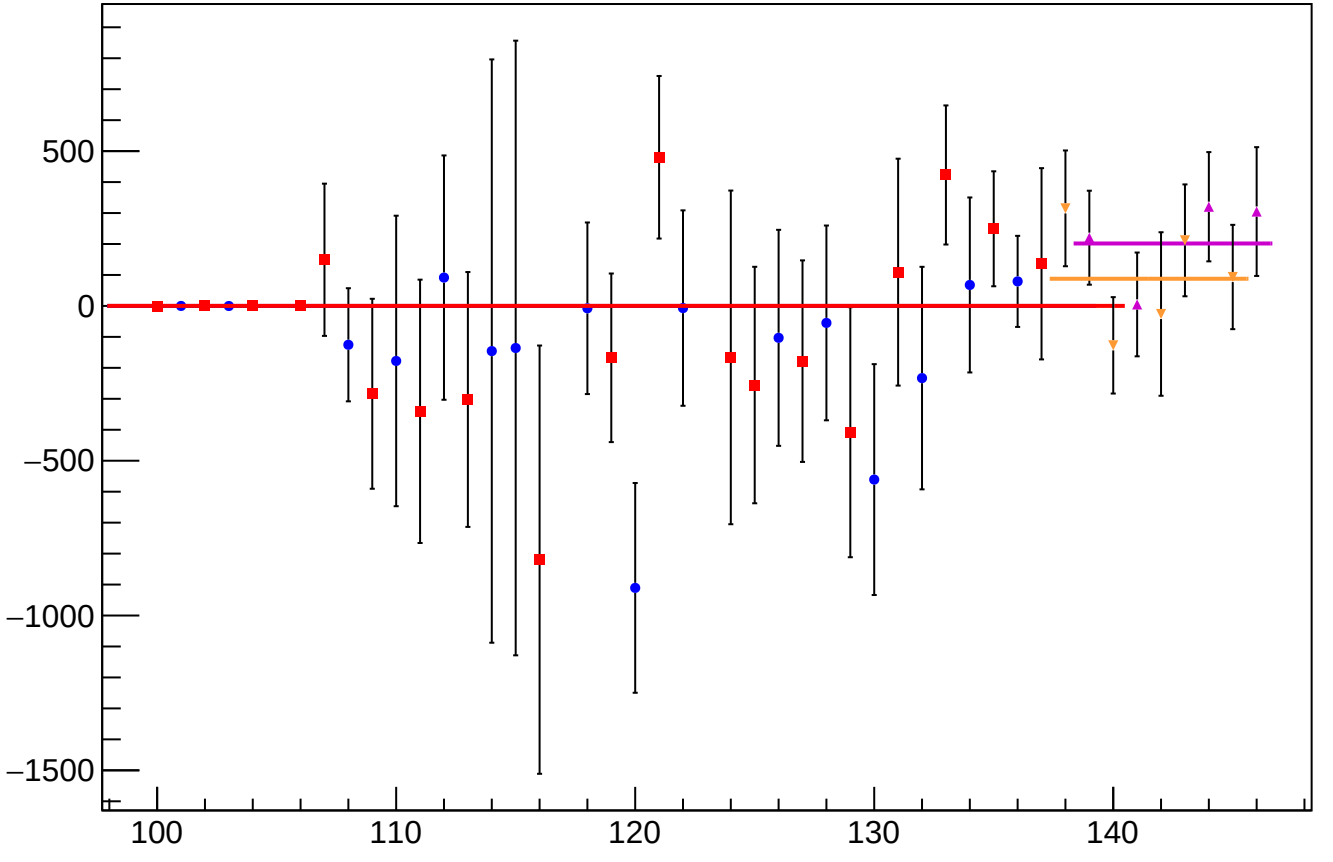
Left In: 203117.931+/-77.458 χ^2/NDF:151337.8/3

\+ sign 149.662+/-0.122 χ^2/NDF: 18573000.9/20

All: 149.743+/-0.083 χ^2/NDF: 36879447.0/42

\- sign 149.812+/-0.113 χ^2/NDF: 18306445.3/21

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.763+/-81.633 χ^2/NDF:4.0/4

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

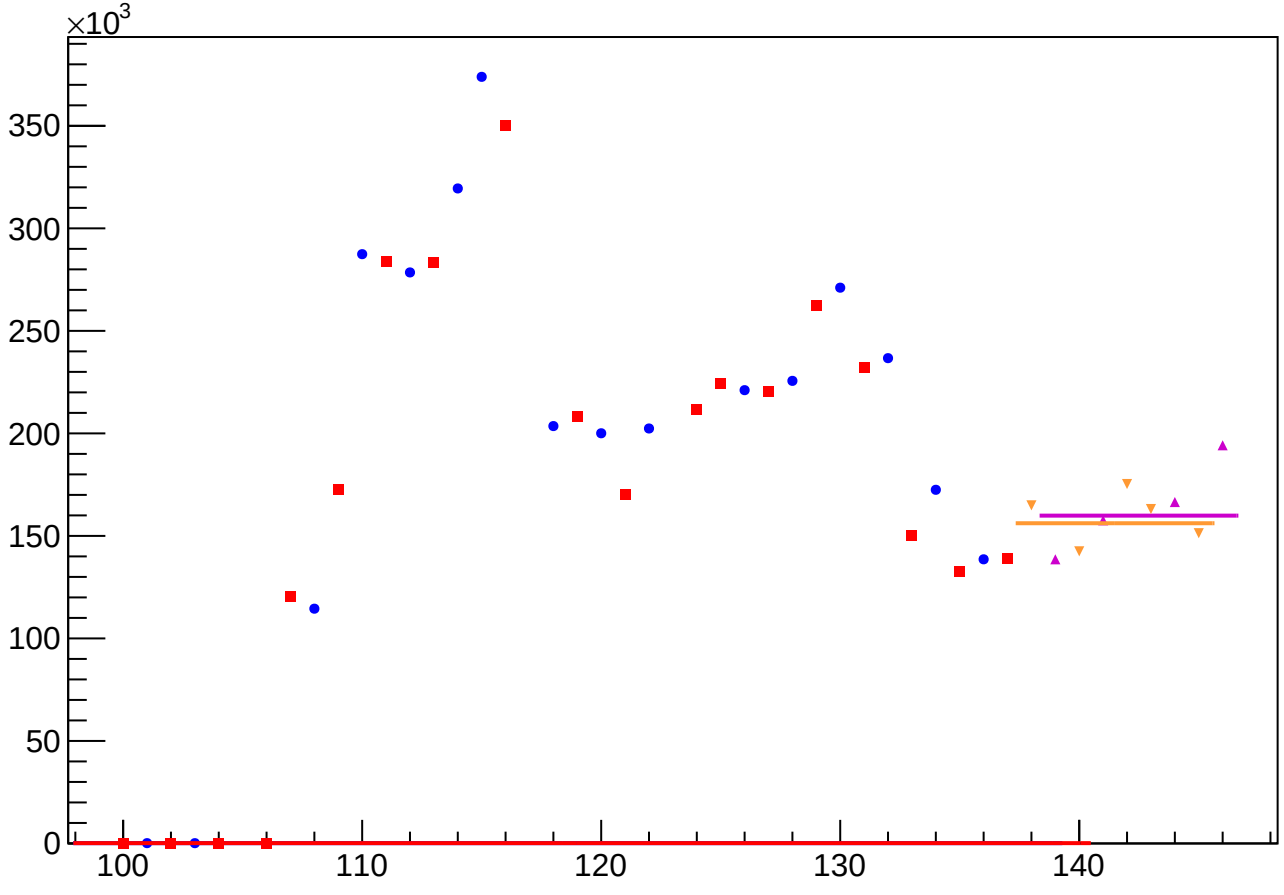
Left In: 201.682+/-86.313 χ^2/NDF:2.1/3

+ sign -0.068+/-0.177 χ^2/NDF: 16.4/20

All: 0.036+/-0.121 χ^2/NDF: 39.8/43

- sign 0.127+/-0.166 χ^2/NDF: 22.8/22

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 156178.564+/-57.723 χ^2/NDF:34955.4/4

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

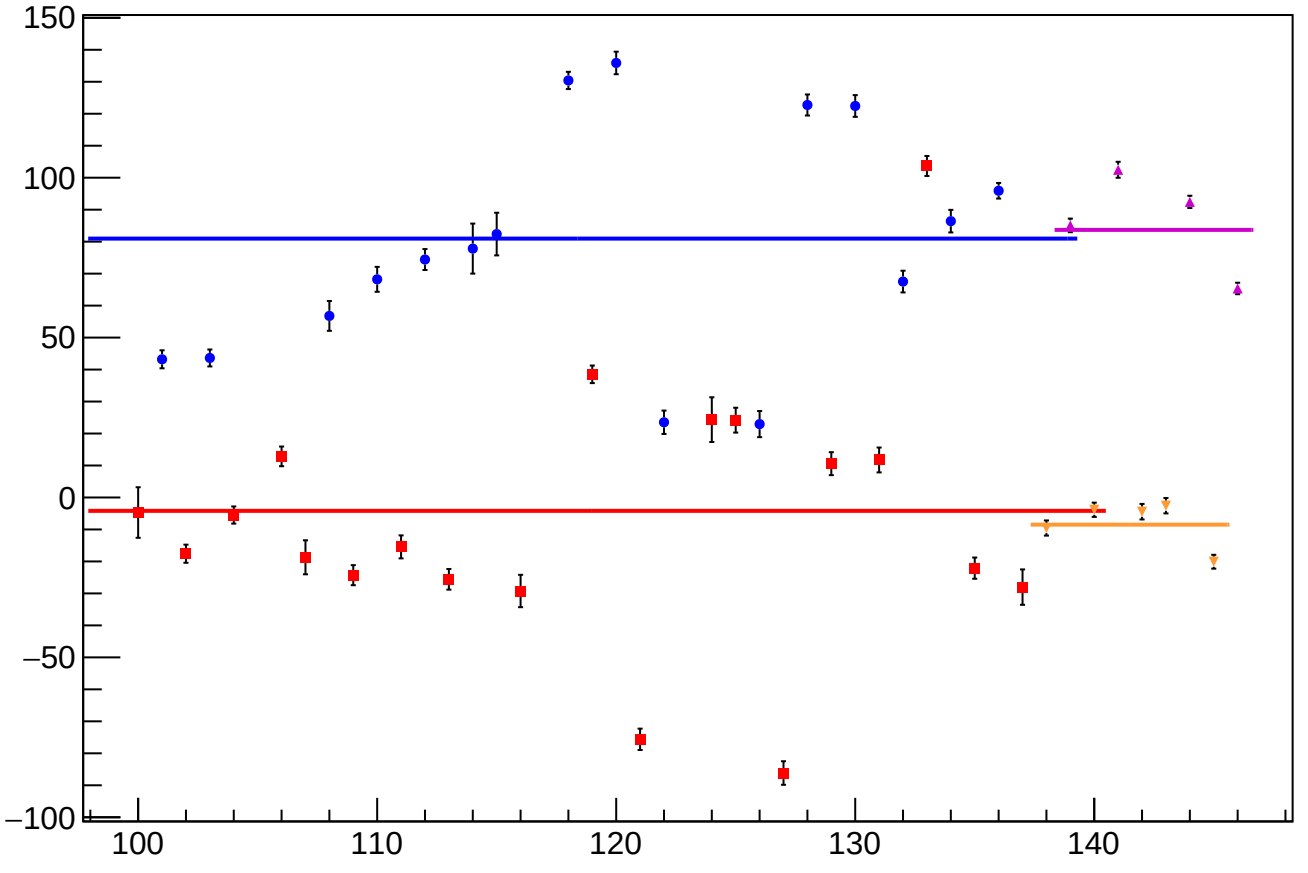
Left In: 159888.986+/-61.032 χ^2/NDF:97006.6/3

+ sign 154.195+/-0.125 χ^2/NDF: 19245969.8/20

All: 155.554+/-0.086 χ^2/NDF: 37523696.9/43

- sign 156.752+/-0.118 χ^2/NDF: 18277506.0/22

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -8.500+/-1.035 χ^2/NDF:42.0/4

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

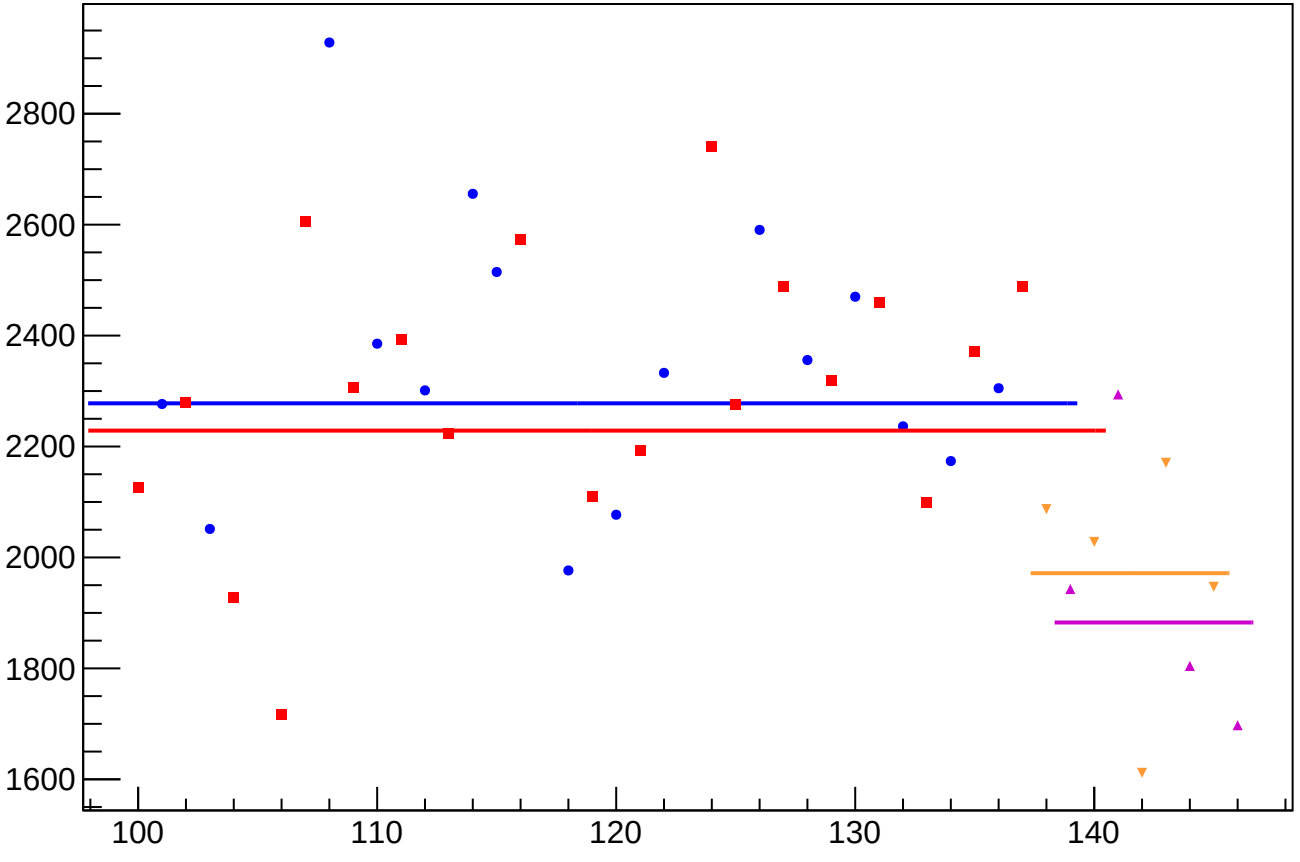
Left In: 83.681+/-1.018 χ^2/NDF:182.4/3

\+ sign 44.846+/-0.658 χ^2/NDF: 6311.5/20

All: 37.414+/-0.458 χ^2/NDF: 13980.2/43

\- sign 30.403+/-0.639 χ^2/NDF: 7420.4/22

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1971.635+/-0.732 χ^2/NDF:63907.8/4

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

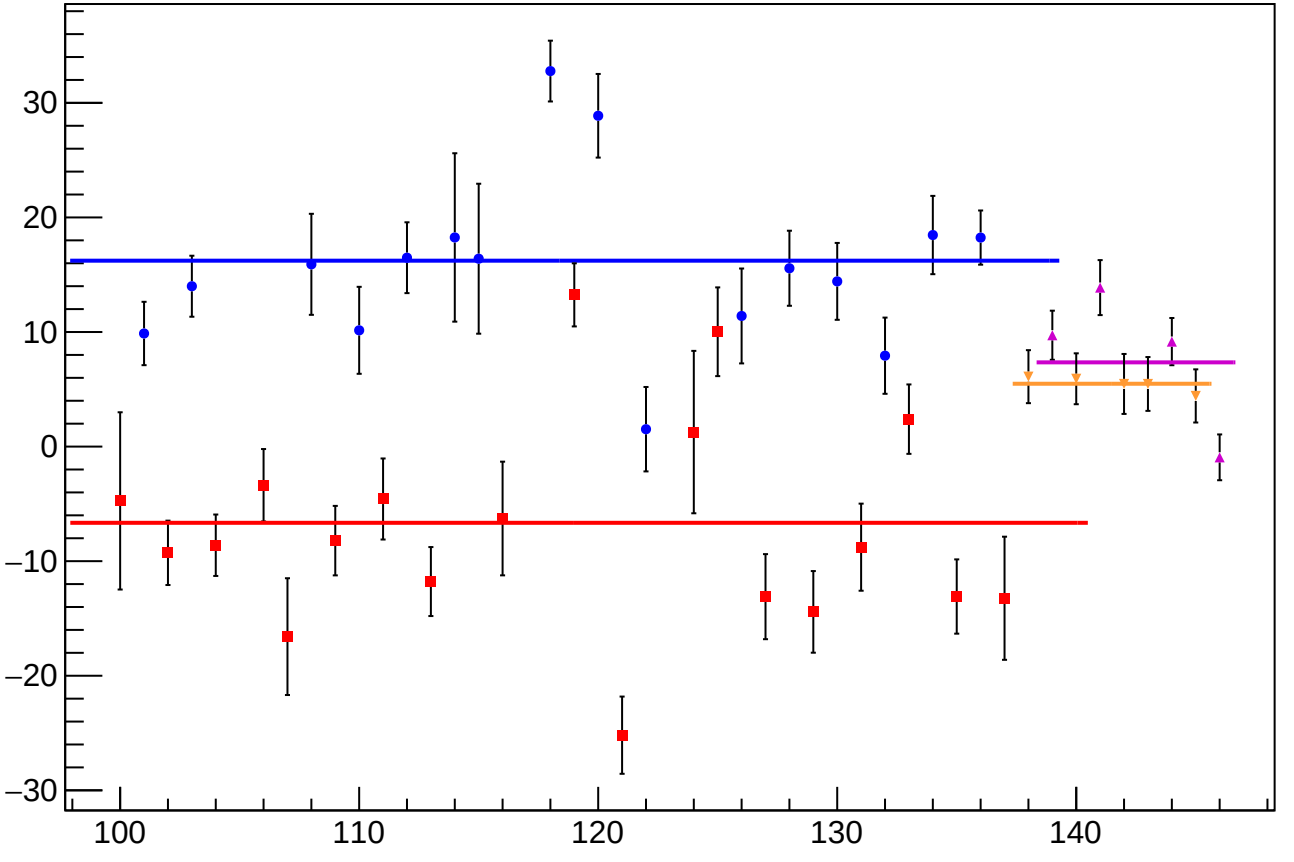
Left In: 1882.751+/-0.720 χ^2/NDF:80406.7/3

+ sign 2154.253+/-0.465 χ^2/NDF: 284109.5/20

All: 2122.486+/-0.324 χ^2/NDF: 664804.0/43

- sign 2092.518+/-0.452 χ^2/NDF: 371621.7/22

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.485+/-1.053 χ^2/NDF:0.3/4

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

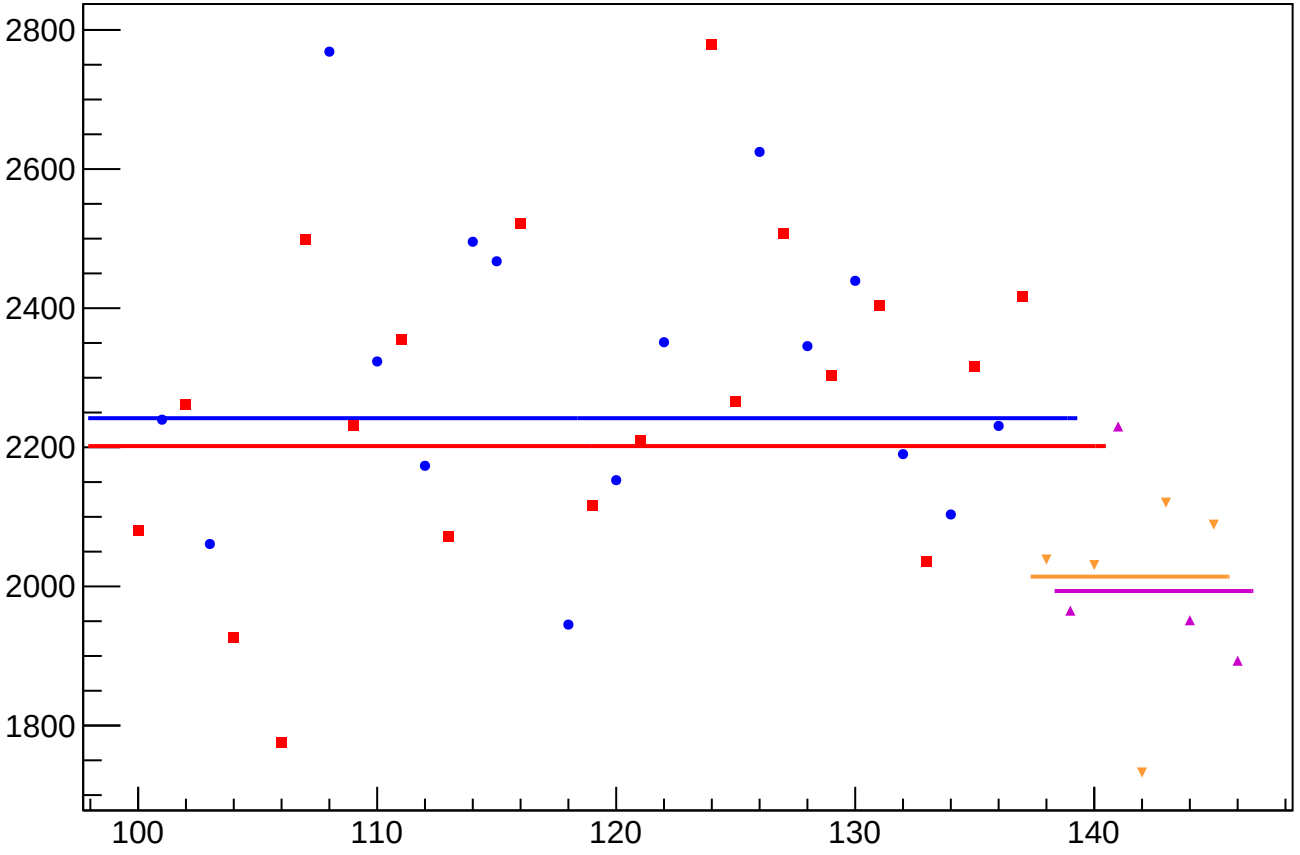
Left In: 7.351+/-1.068 χ^2/NDF:26.6/3

+ sign 12.061+/-0.655 χ^2/NDF: 148.6/20

All: 5.150+/-0.460 χ^2/NDF: 637.9/43

- sign -1.542+/-0.645 χ^2/NDF: 270.4/22

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2014.079+/-0.744 χ^2/NDF:29680.3/4

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

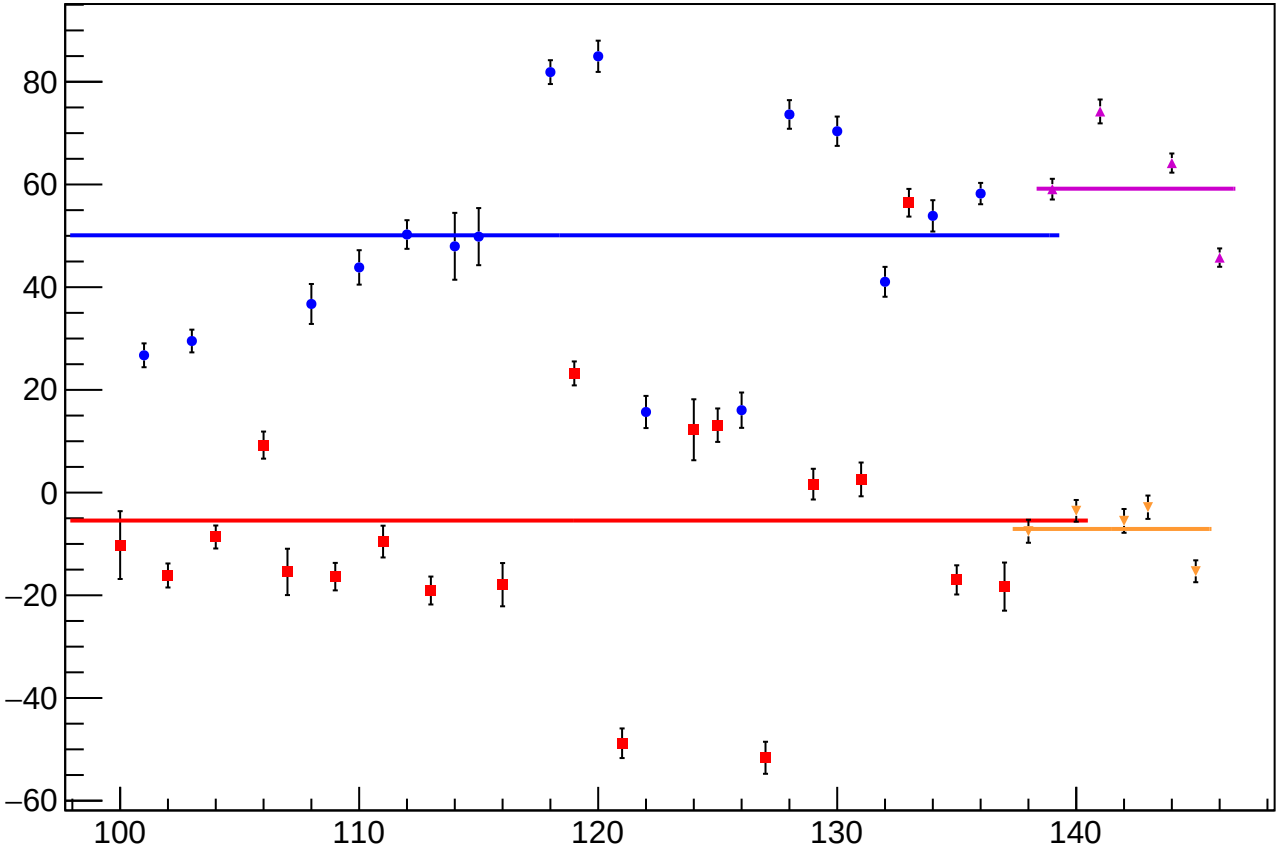
Left In: 1993.342+/-0.755 χ^2/NDF:25631.8/3

\+ sign 2153.537+/-0.463 χ^2/NDF: 189286.6/20

All: 2139.393+/-0.325 χ^2/NDF: 395025.1/43

\- sign 2125.696+/-0.456 χ^2/NDF: 203905.0/22

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -7.080+/-0.989 χ^2/NDF:21.7/4

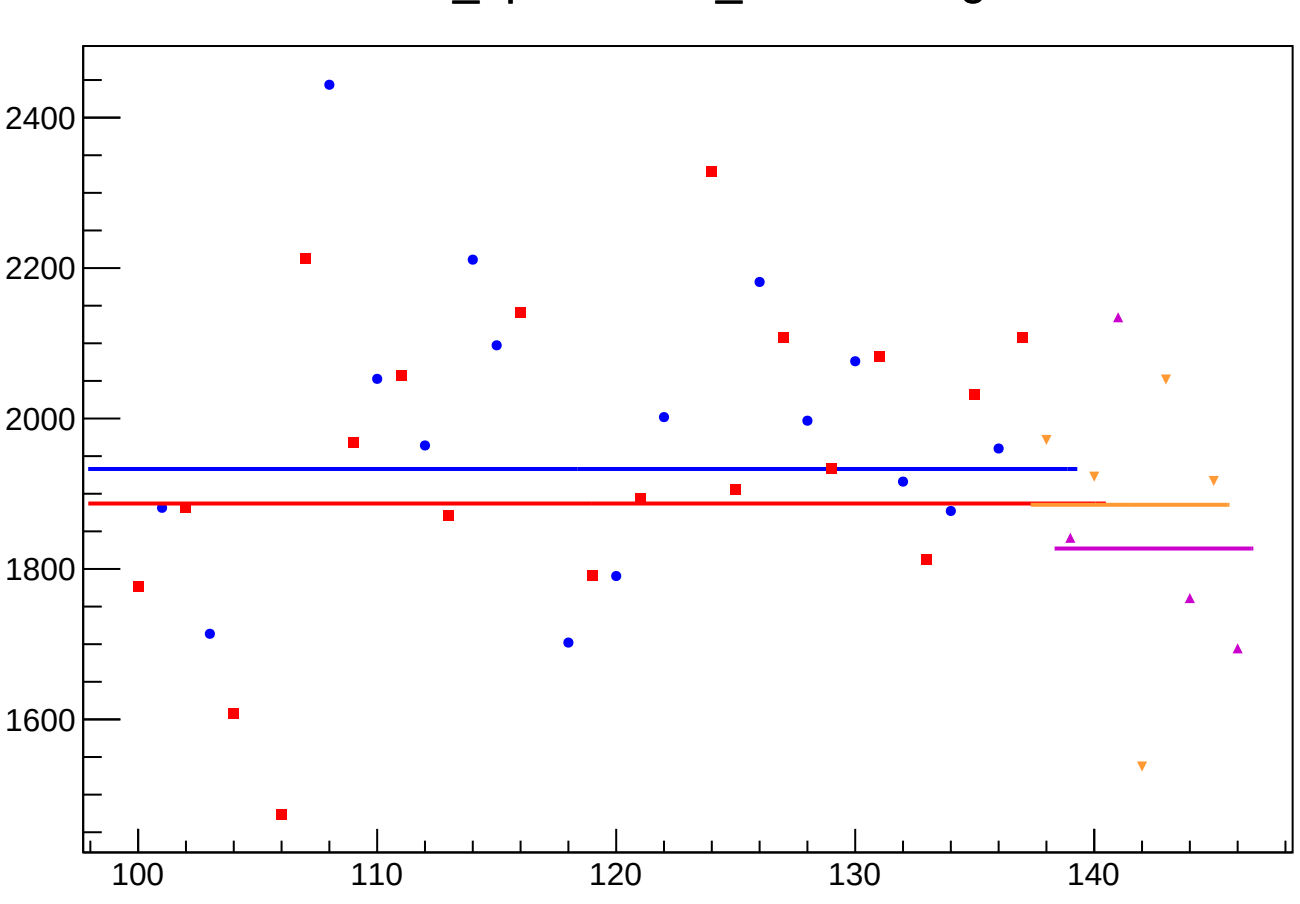
Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: 59.179+/-0.985 χ^2/NDF:105.3/3

+ sign 30.211+/-0.583 χ^2/NDF: 3091.5/20

All: 22.918+/-0.407 χ^2/NDF: 7689.7/43

- sign 16.015+/-0.567 χ^2/NDF: 4293.8/22



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1885.309+/-0.699 χ^2/NDF:59791.4/4

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

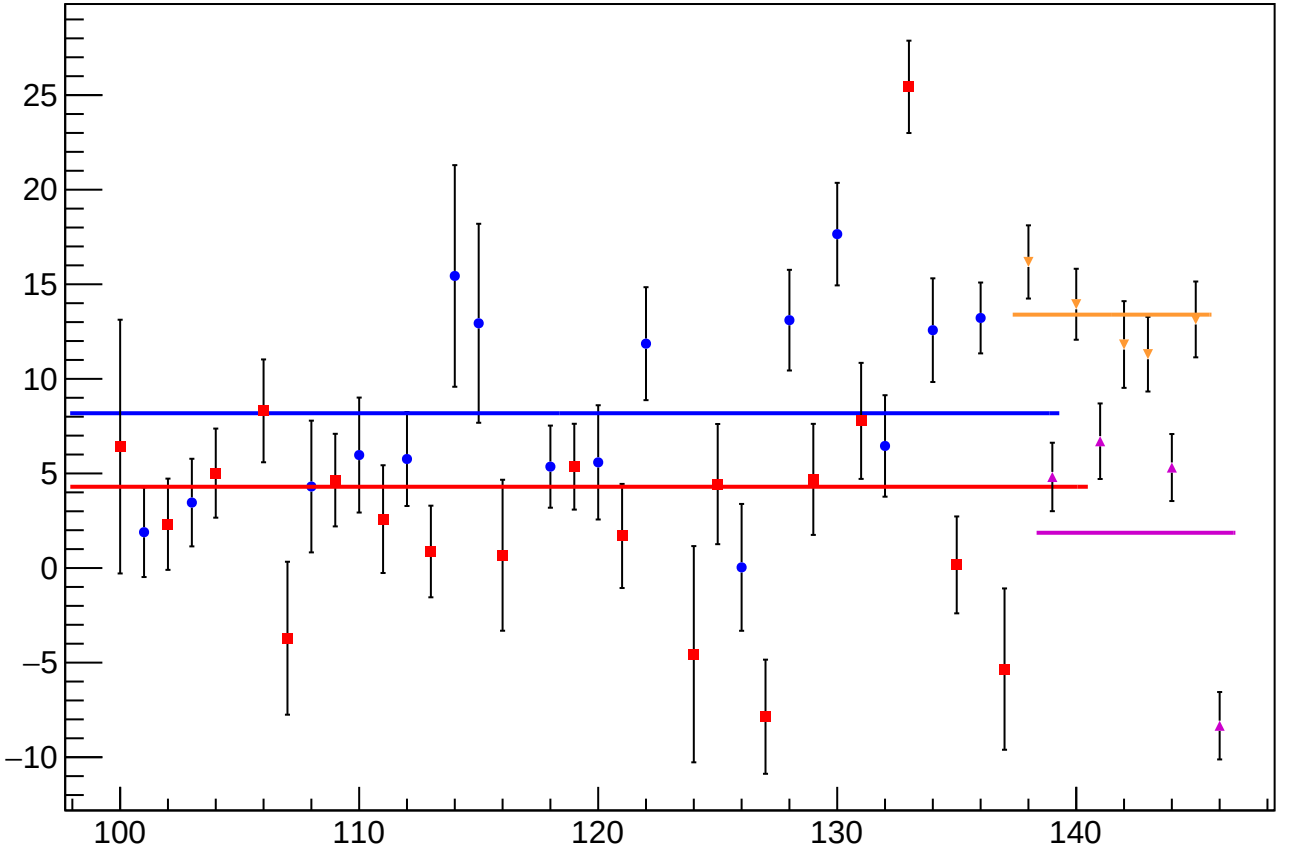
Left In: 1827.180+/-0.696 χ^2/NDF:48575.1/3

+ sign 1916.347+/-0.412 χ^2/NDF: 168781.3/20

All: 1891.071+/-0.288 χ^2/NDF: 379349.1/43

- sign 1867.140+/-0.401 χ^2/NDF: 203252.8/22

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.395+/-0.895 χ^2/NDF:3.8/4

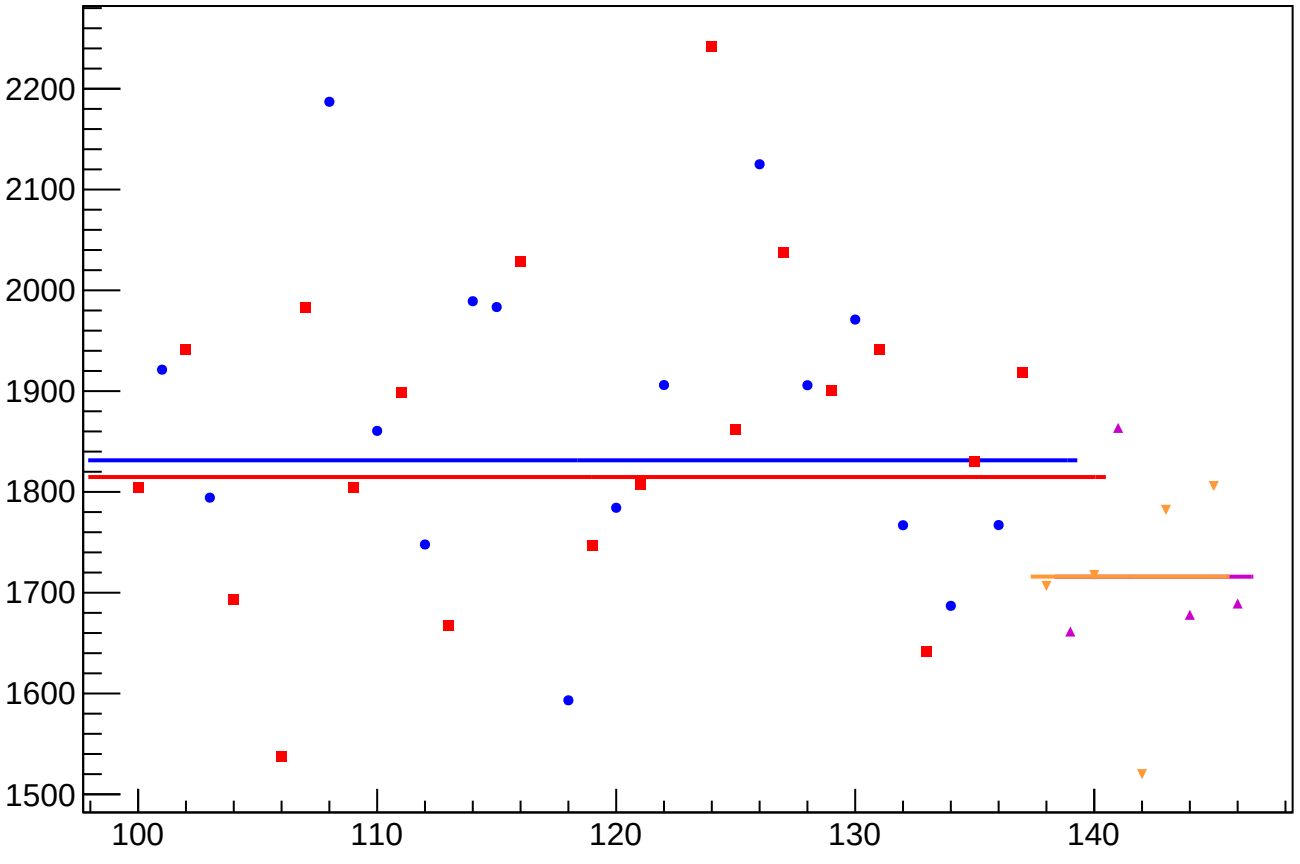
Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 1.864+/-0.917 χ^2/NDF:45.1/3

+ sign 10.102+/-0.543 χ^2/NDF: 77.1/20

All: 6.750+/-0.382 χ^2/NDF: 316.2/43

- sign 3.457+/-0.539 χ^2/NDF: 163.7/22



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1715.970+/-0.633 χ^2/NDF:20941.7/4

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

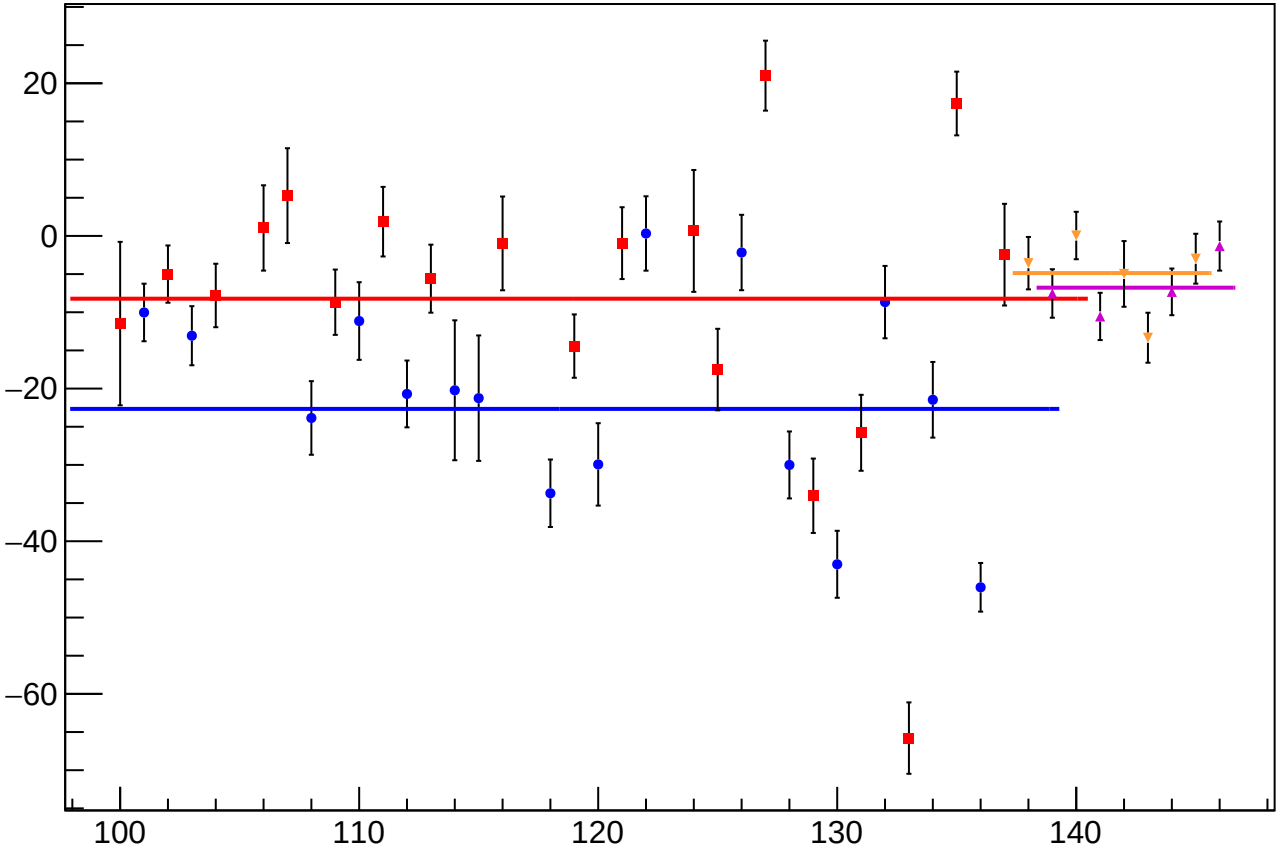
Left In: 1715.896+/-0.648 χ^2/NDF:14097.6/3

+ sign 1788.872+/-0.384 χ^2/NDF: 128845.5/20

All: 1784.725+/-0.270 χ^2/NDF: 249151.0/43

- sign 1780.651+/-0.381 χ^2/NDF: 120074.5/22

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -4.866+/-1.526 χ^2/NDF:9.7/4

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

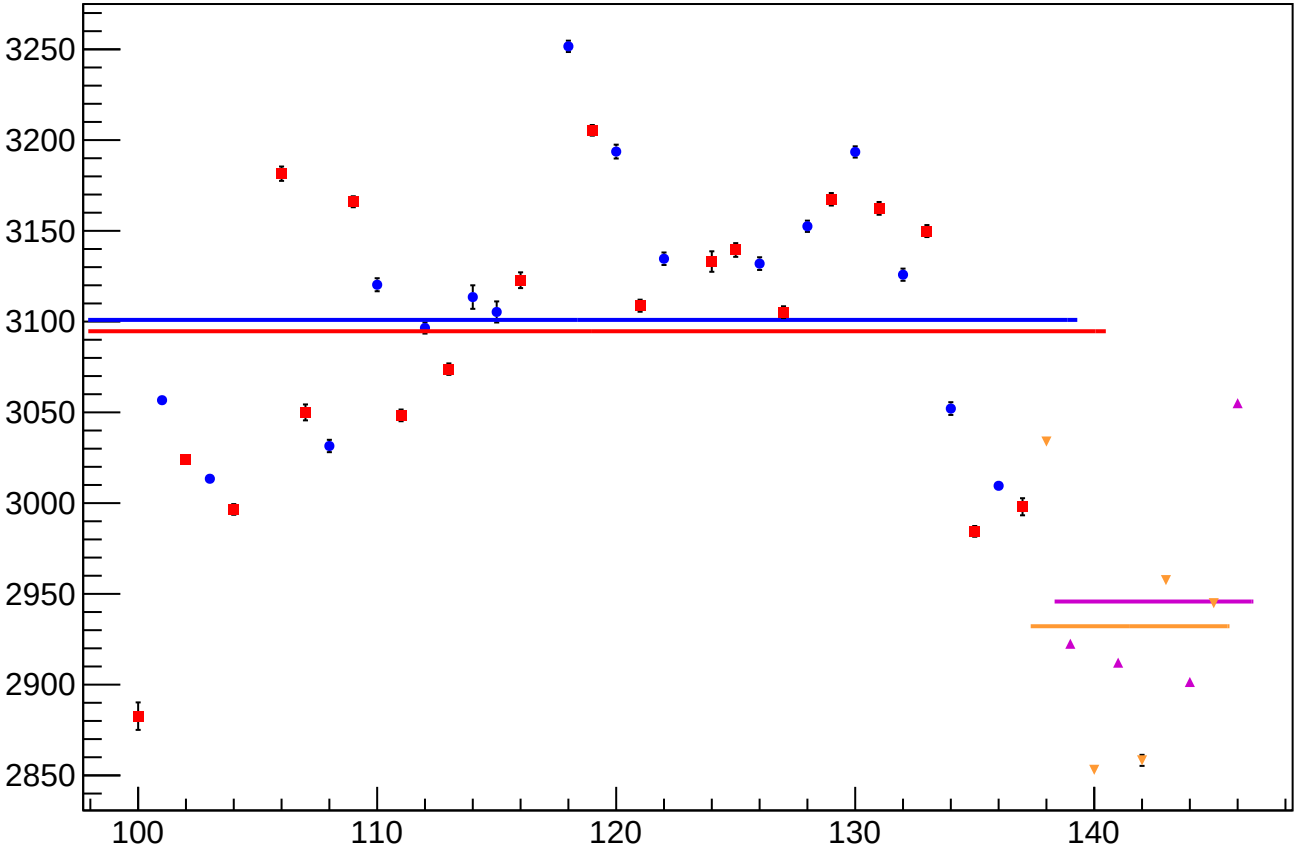
Left In: -6.780+/-1.568 χ^2/NDF:4.4/3

+ sign -16.205+/-0.919 χ^2/NDF: 253.5/20

All: -11.952+/-0.649 χ^2/NDF: 595.9/43

- sign -7.731+/-0.916 χ^2/NDF: 299.8/22

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2932.172+/-1.079 χ^2/NDF:3791.1/4

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

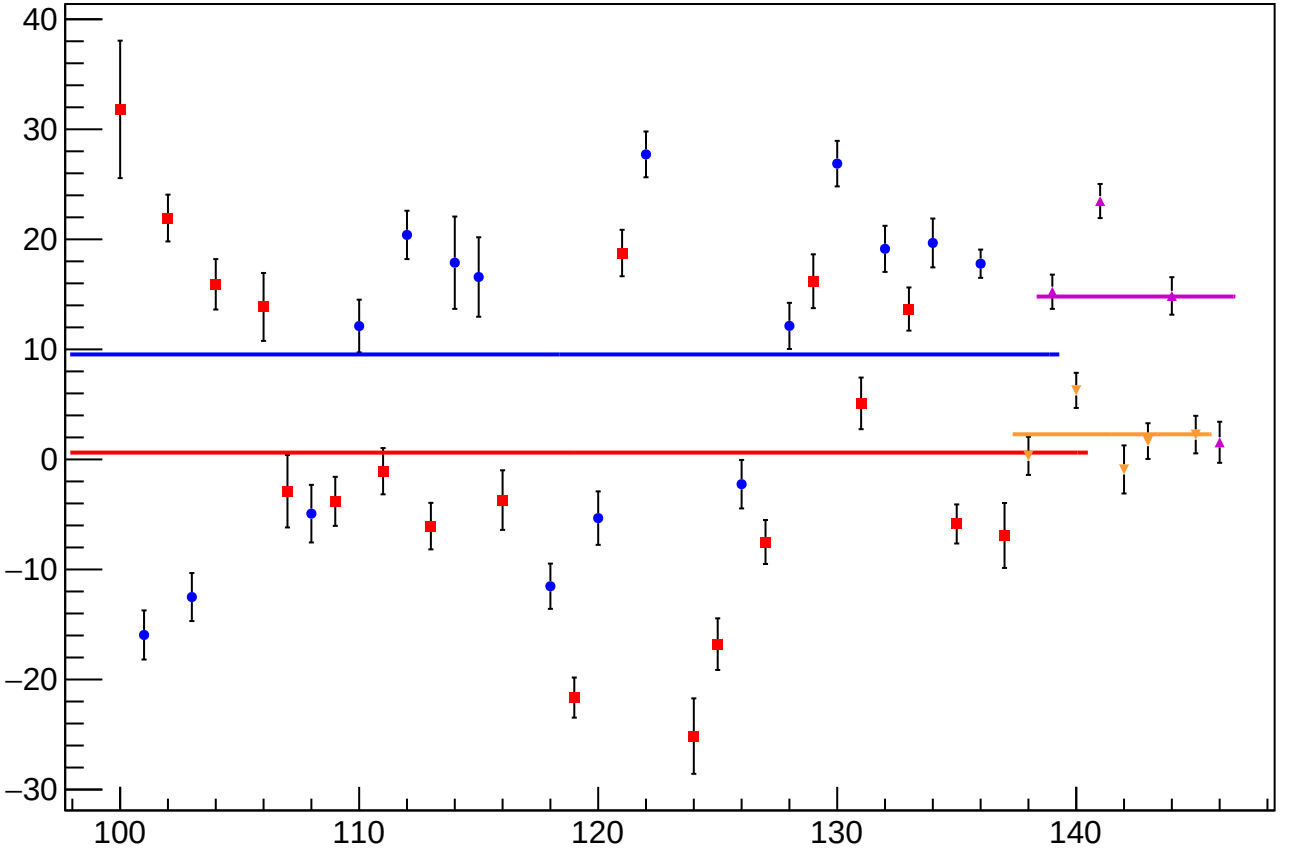
Left In: 2945.789+/-1.108 χ^2/NDF:3070.8/3

+ sign 3039.698+/-0.650 χ^2/NDF: 27263.2/20

All: 3041.779+/-0.459 χ^2/NDF: 50821.7/43

- sign 3043.845+/-0.648 χ^2/NDF: 23538.1/22

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 2.285+/-0.777 χ^2/NDF:9.8/4

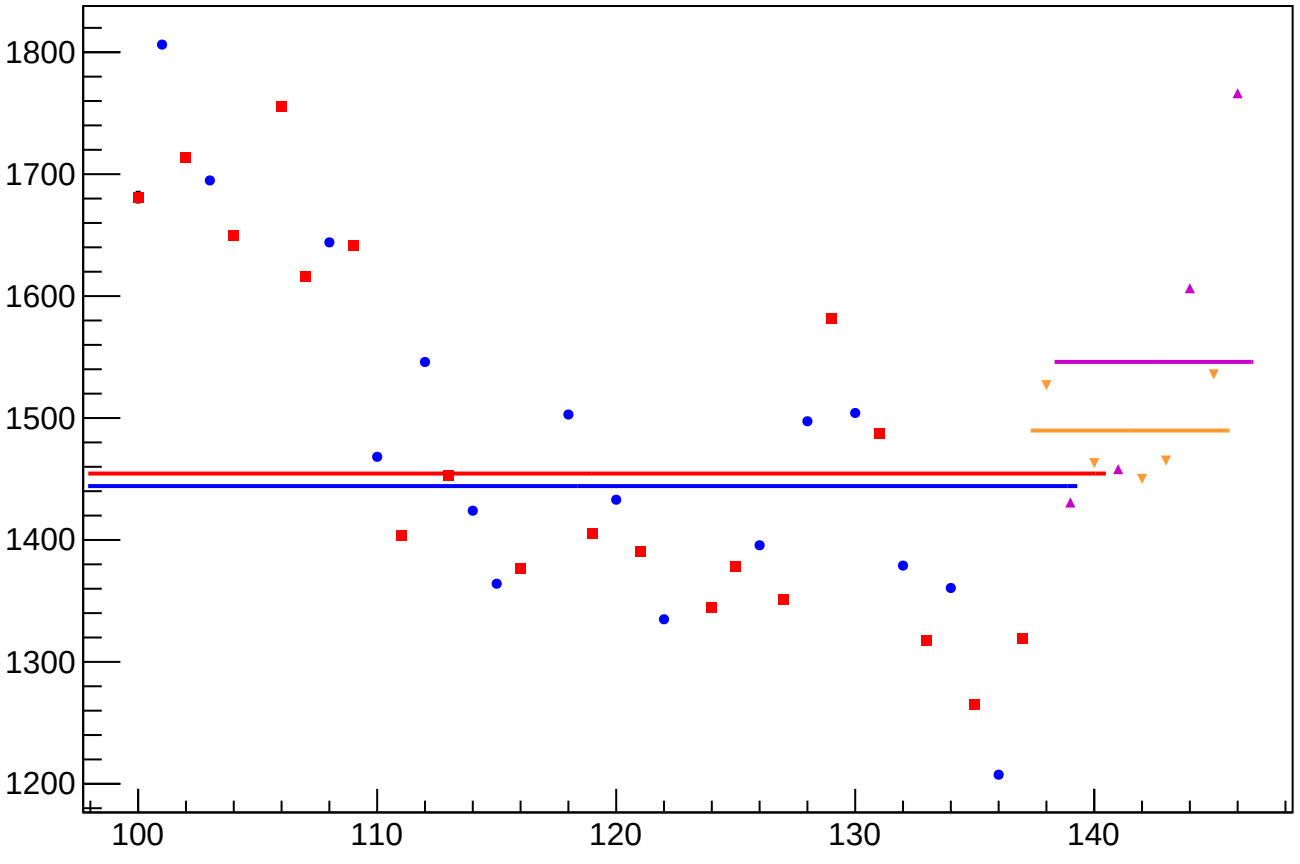
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 14.802+/-0.828 χ^2/NDF:81.8/3

\+ sign 7.171+/-0.444 χ^2/NDF: 767.2/20

All: 5.992+/-0.316 χ^2/NDF: 1736.3/43

\- sign 4.789+/-0.449 χ^2/NDF: 954.9/22



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1489.738+/-0.550 χ^2/NDF:4053.5/4

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

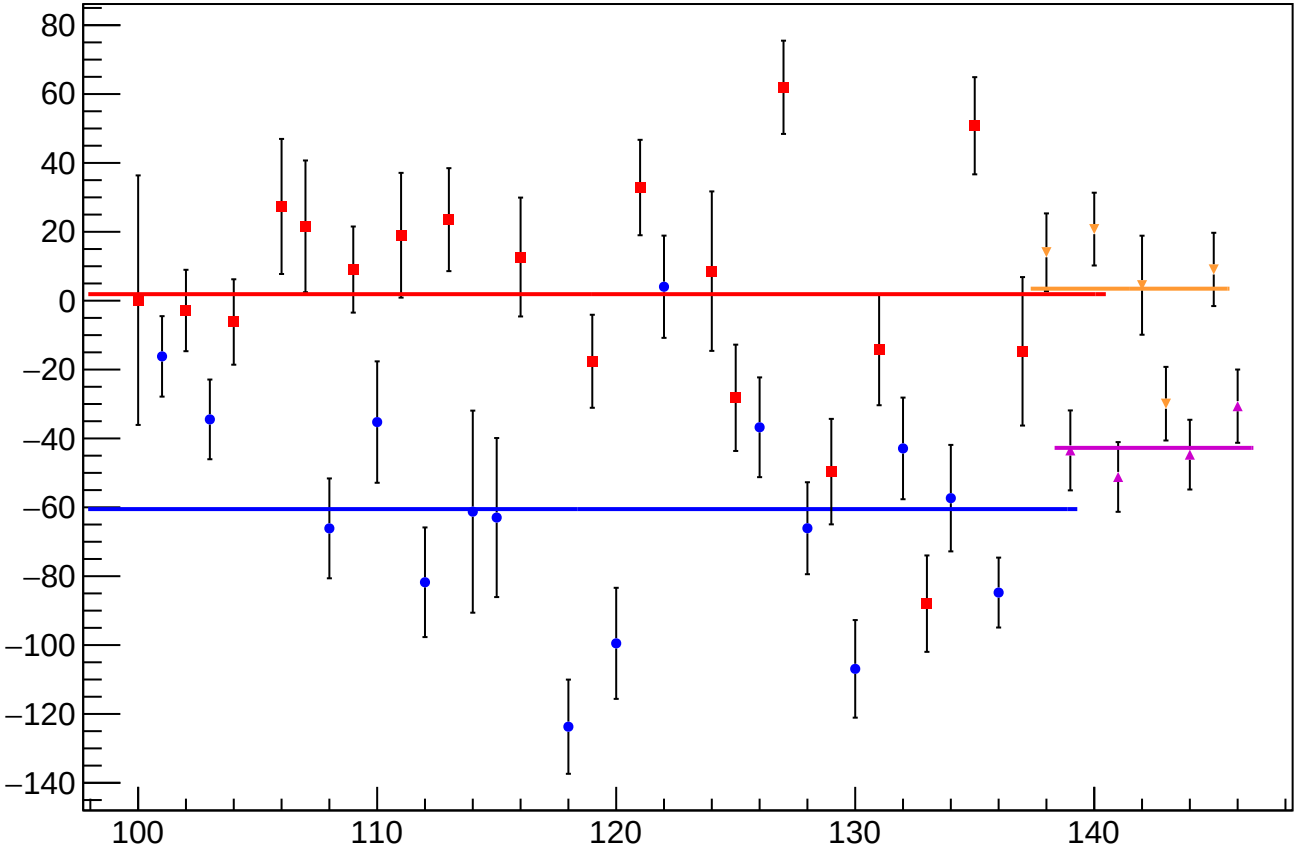
Left In: 1546.040+/-0.585 χ^2/NDF:47805.3/3

+ sign 1459.064+/-0.314 χ^2/NDF: 188826.8/20

All: 1470.114+/-0.223 χ^2/NDF: 399189.8/43

- sign 1481.393+/-0.317 χ^2/NDF: 207862.1/22

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: 3.486+/-5.047 χ^2/NDF:13.6/4

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

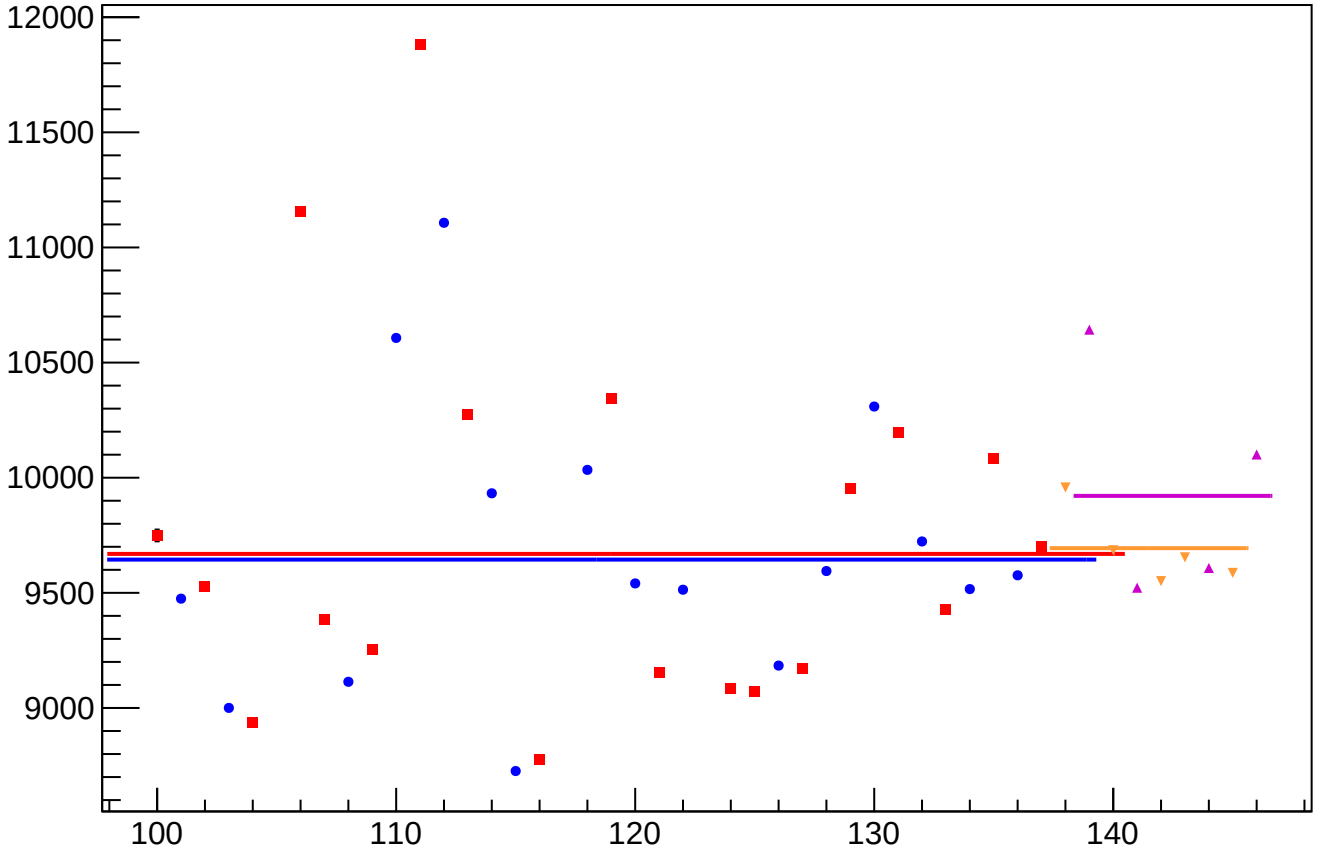
Left In: -42.740+/-5.287 χ^2/NDF:2.0/3

+ sign -38.965+/-2.929 χ^2/NDF: 210.6/20

All: -25.517+/-2.076 χ^2/NDF: 408.0/43

- sign -11.938+/-2.943 χ^2/NDF: 155.1/22

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9694.044+/-3.569 χ^2/NDF:1524.6/4

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

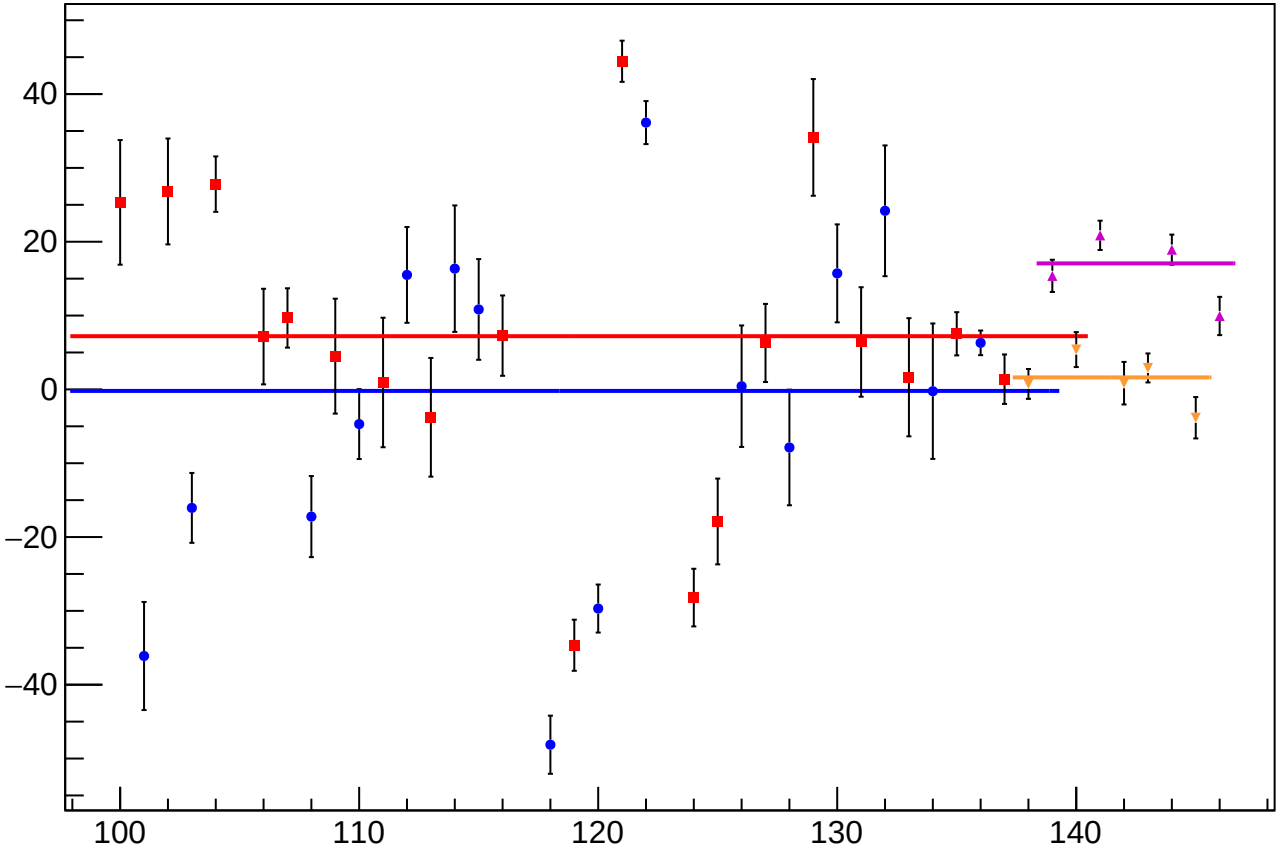
Left In: 9921.130+/-3.738 χ^2/NDF:13326.7/3

+ sign 9661.114+/-2.071 χ^2/NDF: 45754.5/20

All: 9703.962+/-1.468 χ^2/NDF: 142955.3/43

- sign 9747.228+/-2.081 χ^2/NDF: 96340.5/22

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 1.623+/-1.037 χ^2/NDF:7.0/4

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

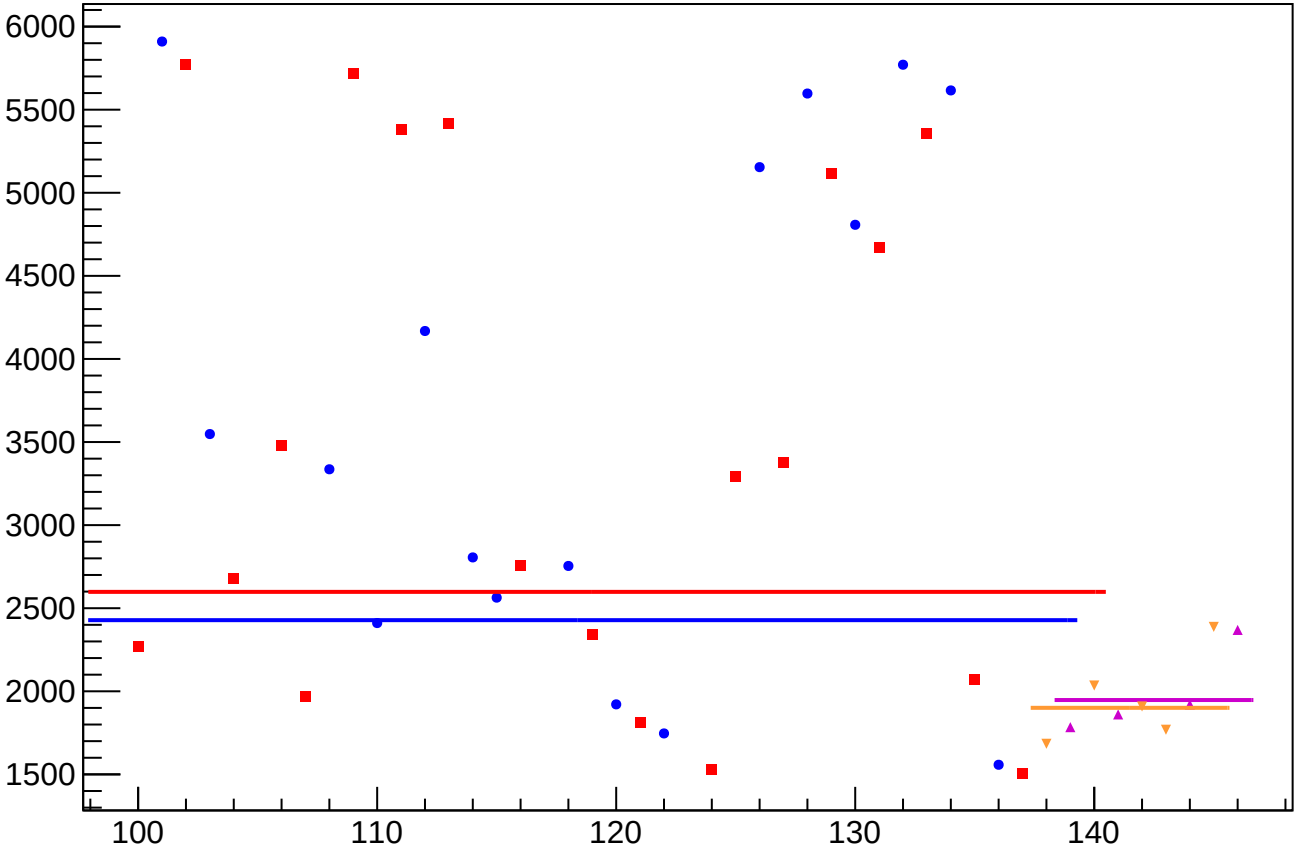
Left In: 17.067+/-1.083 χ^2/NDF:12.7/3

+ sign 0.716+/-0.736 χ^2/NDF: 482.3/20

All: 6.208+/-0.530 χ^2/NDF: 1137.7/43

- sign 12.096+/-0.762 χ^2/NDF: 540.1/22

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1900.555+/-0.733 χ^2/NDF:98783.9/4

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

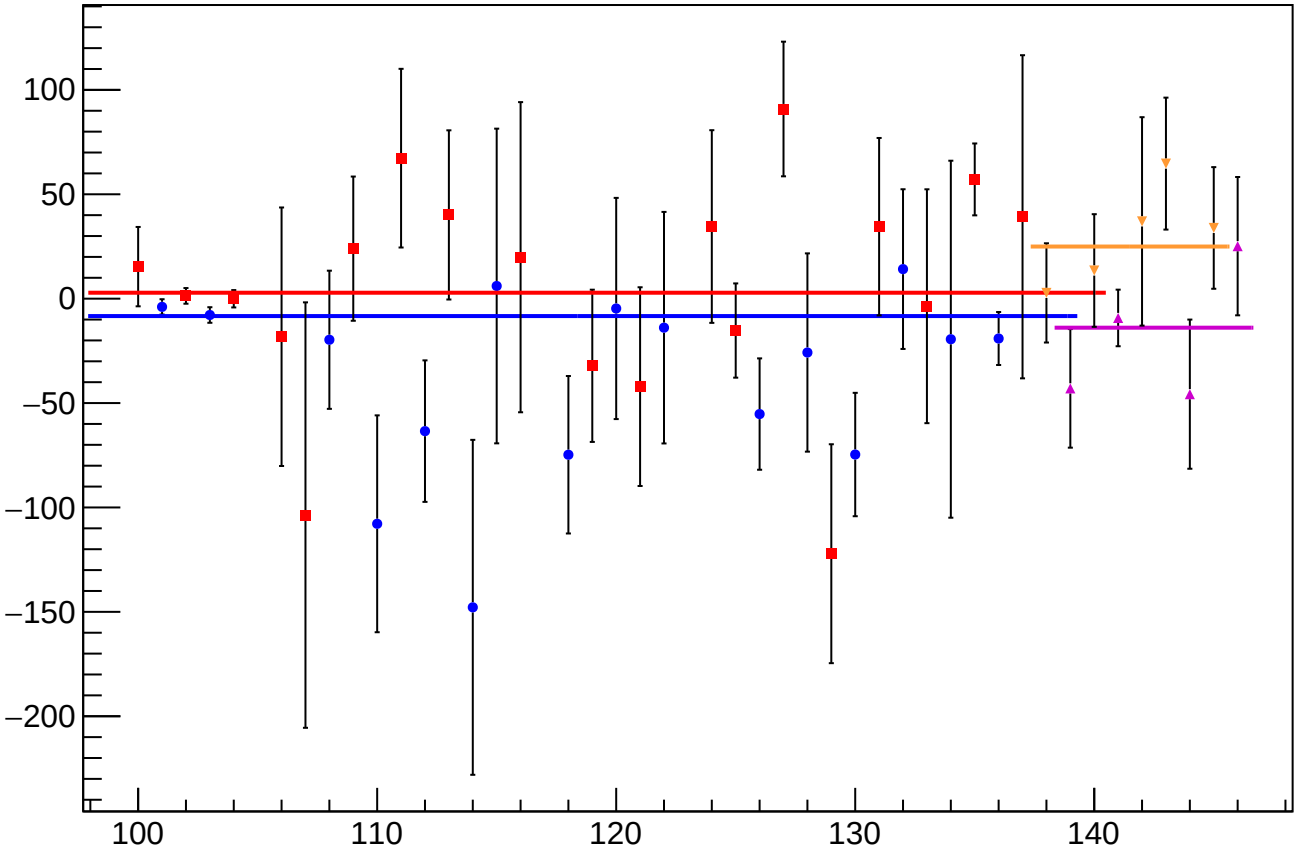
Left In: 1947.456+/-0.765 χ^2/NDF:68330.6/3

+ sign 2162.202+/-0.521 χ^2/NDF: 3170821.9/20

All: 2216.918+/-0.374 χ^2/NDF: 6141451.5/43

- sign 2275.583+/-0.539 χ^2/NDF: 2947737.1/22

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 24.970+/-13.215 χ^2/NDF:2.8/4

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

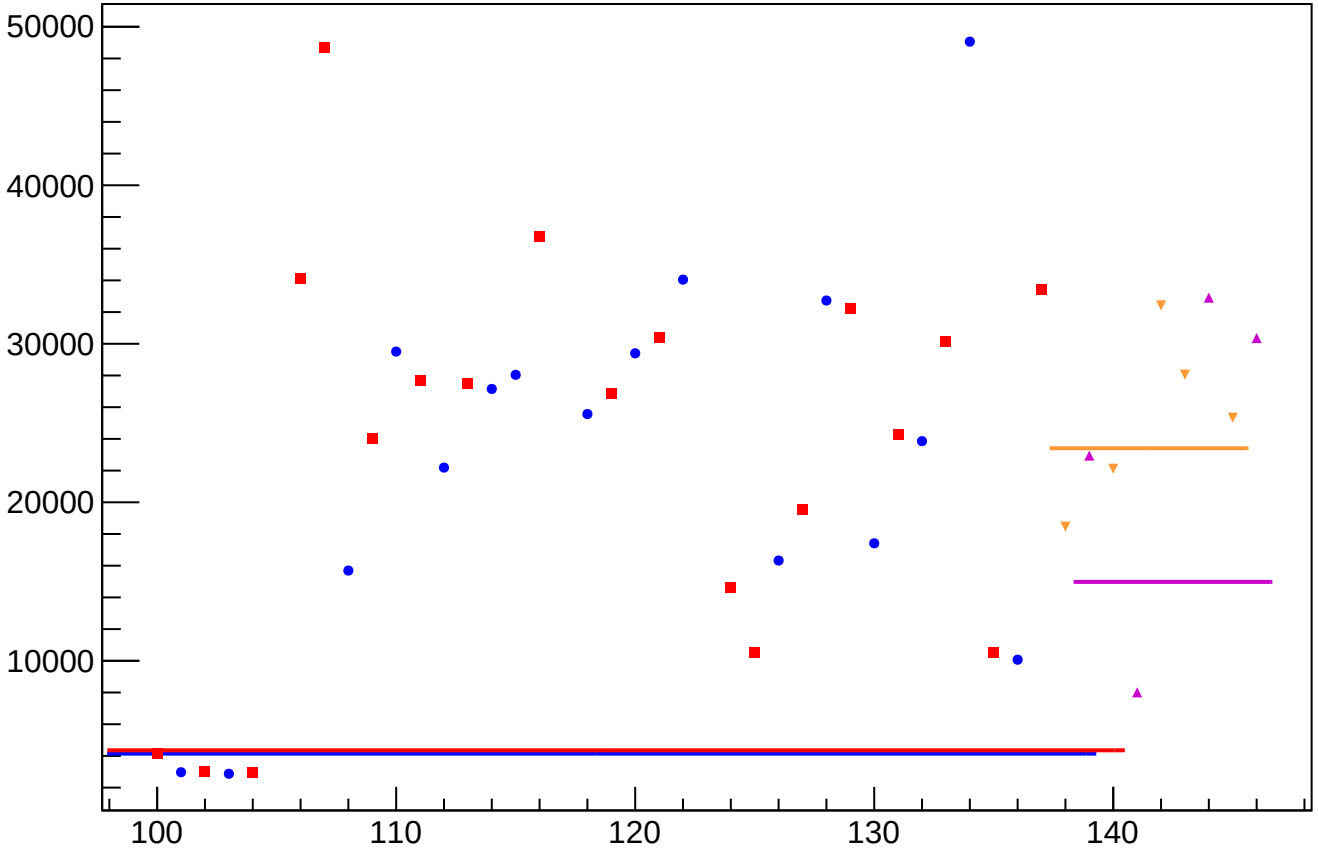
Left In: -13.898+/-10.923 χ^2/NDF:3.3/3

+ sign -7.182+/-2.456 χ^2/NDF: 32.3/20

All: -2.828+/-1.774 χ^2/NDF: 77.1/43

- sign 1.924+/-2.566 χ^2/NDF: 38.2/22

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 23409.640+/-9.344 χ^2/NDF:208388.4/4

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

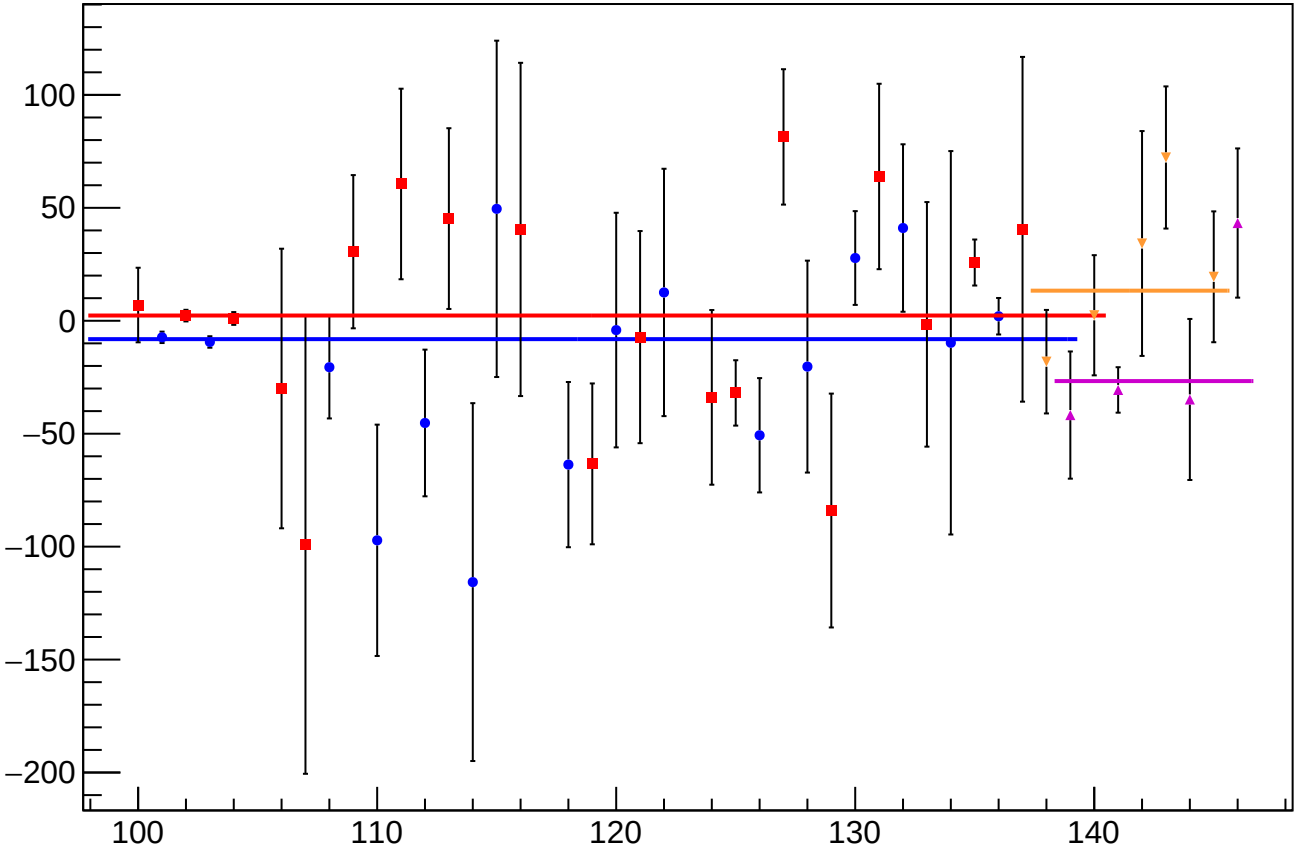
Left In: 14978.646+/-7.724 χ^2/NDF:1621803.0/3

+ sign 4811.082+/-1.737 χ^2/NDF: 11148513.8/20

All: 4873.013+/-1.254 χ^2/NDF: 22185408.4/4

- sign 4940.609+/-1.814 χ^2/NDF: 11034234.5/22

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 13.330+/-12.994 χ^2/NDF:5.8/4

Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

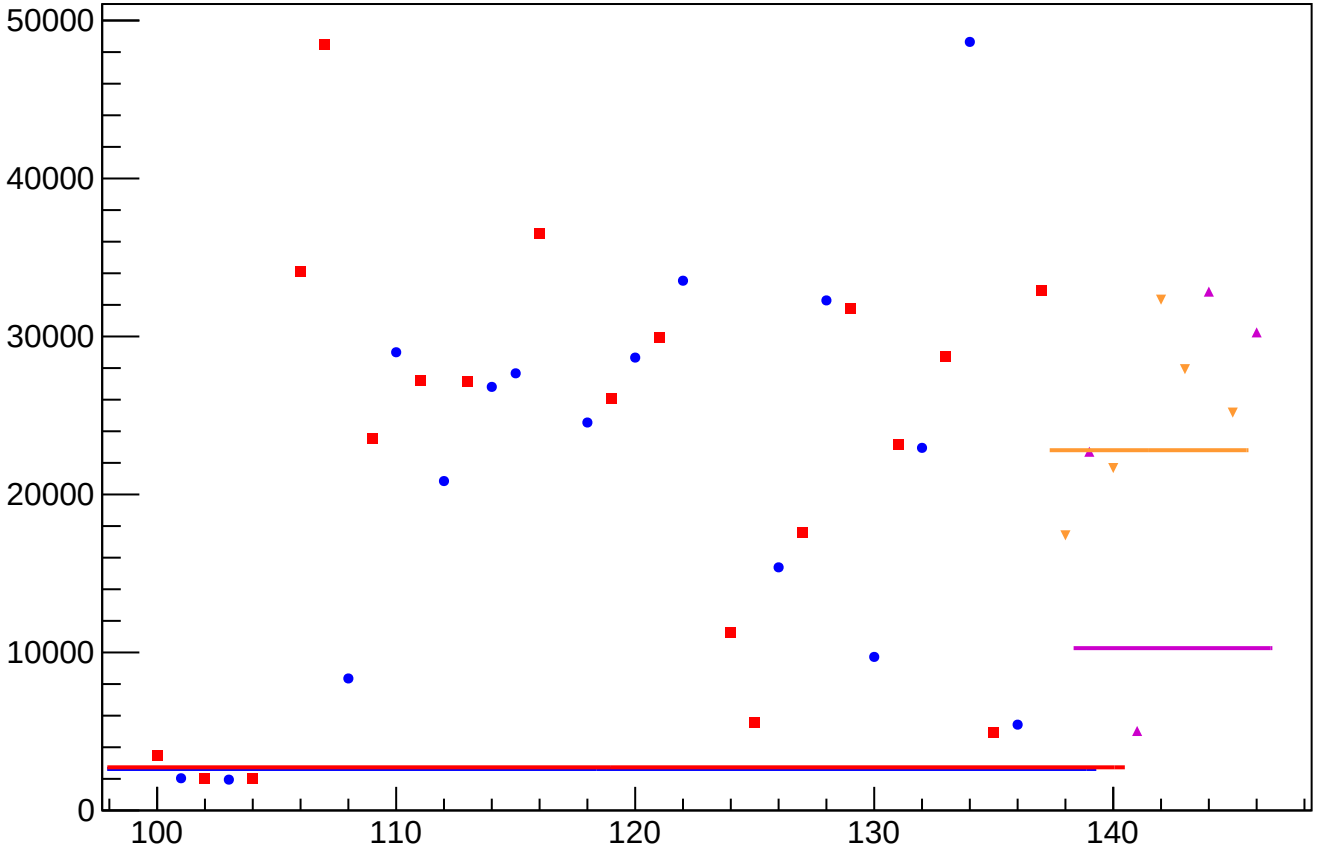
Left In: -26.699+/-8.826 χ^2/NDF:5.0/3

+ sign -7.763+/-1.706 χ^2/NDF: 27.6/20

All: -3.512+/-1.233 χ^2/NDF: 89.0/43

- sign 1.139+/-1.784 χ^2/NDF: 48.4/22

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22801.362+/-9.188 χ^2/NDF:254100.7/4

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

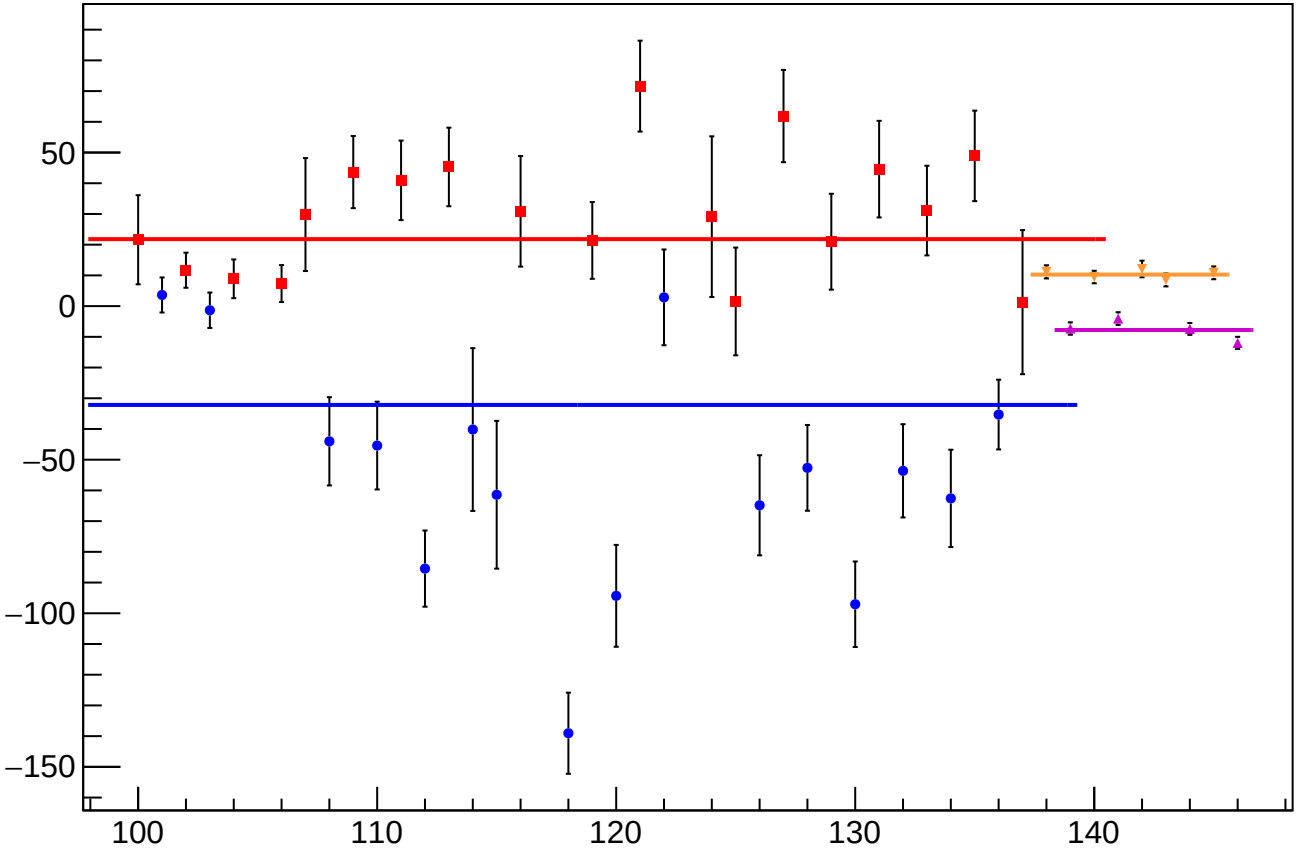
Left In: 10273.585+/-6.241 χ^2/NDF:2466165.2/3

\+ sign 2973.986+/-1.206 χ^2/NDF: 11773182.1/20

All: 3004.777+/-0.872 χ^2/NDF: 23628022.0/4

\- sign 3038.468+/-1.262 χ^2/NDF: 11853474.8/22

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.259+/-0.978 χ^2/NDF:1.5/4

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

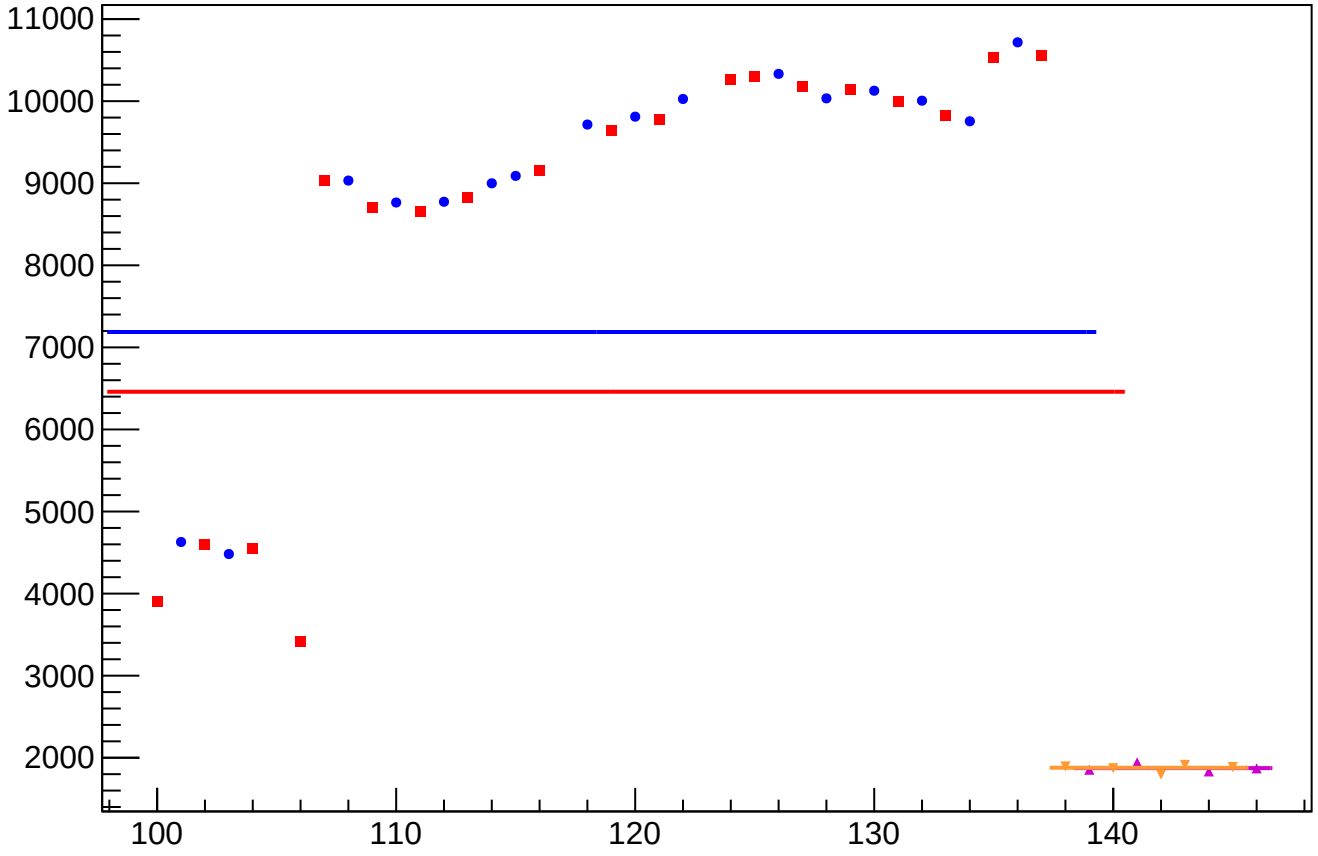
Left In: -7.775+/-0.998 χ^2/NDF:7.8/3

+ sign 5.765+/-0.925 χ^2/NDF: 408.6/20

All: 0.972+/-0.656 χ^2/NDF: 635.6/43

- sign -3.869+/-0.929 χ^2/NDF: 173.0/22

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1878.263+/-0.692 χ^2/NDF:2610.3/4

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

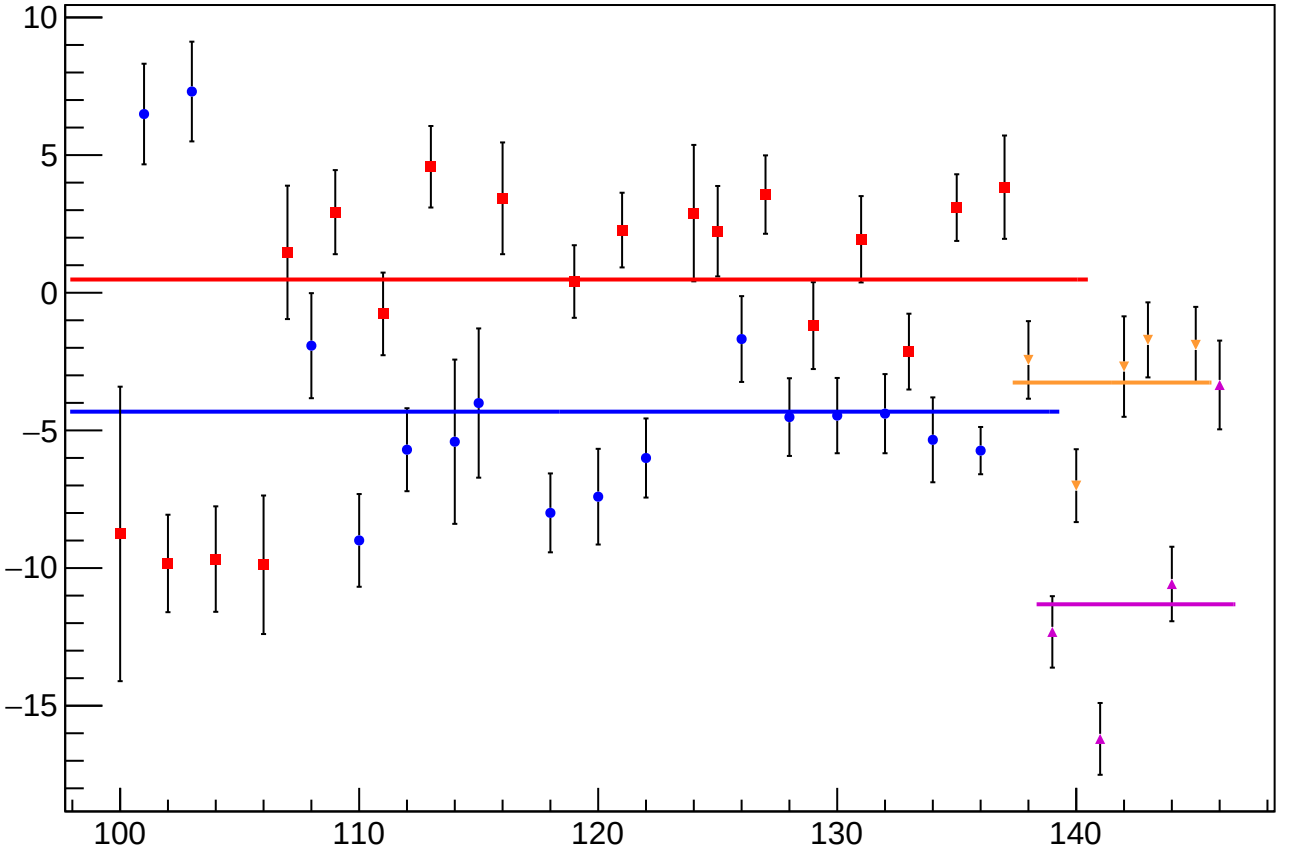
Left In: 1873.788+/-0.705 χ^2/NDF:3348.3/3

+ sign 2440.621+/-0.654 χ^2/NDF: 7949937.5/20

All: 2459.946+/-0.464 χ^2/NDF: 15812419.2/4

- sign 2479.462+/-0.657 χ^2/NDF: 7860726.7/22

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -3.262+/-0.641 χ^2/NDF:10.7/4

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

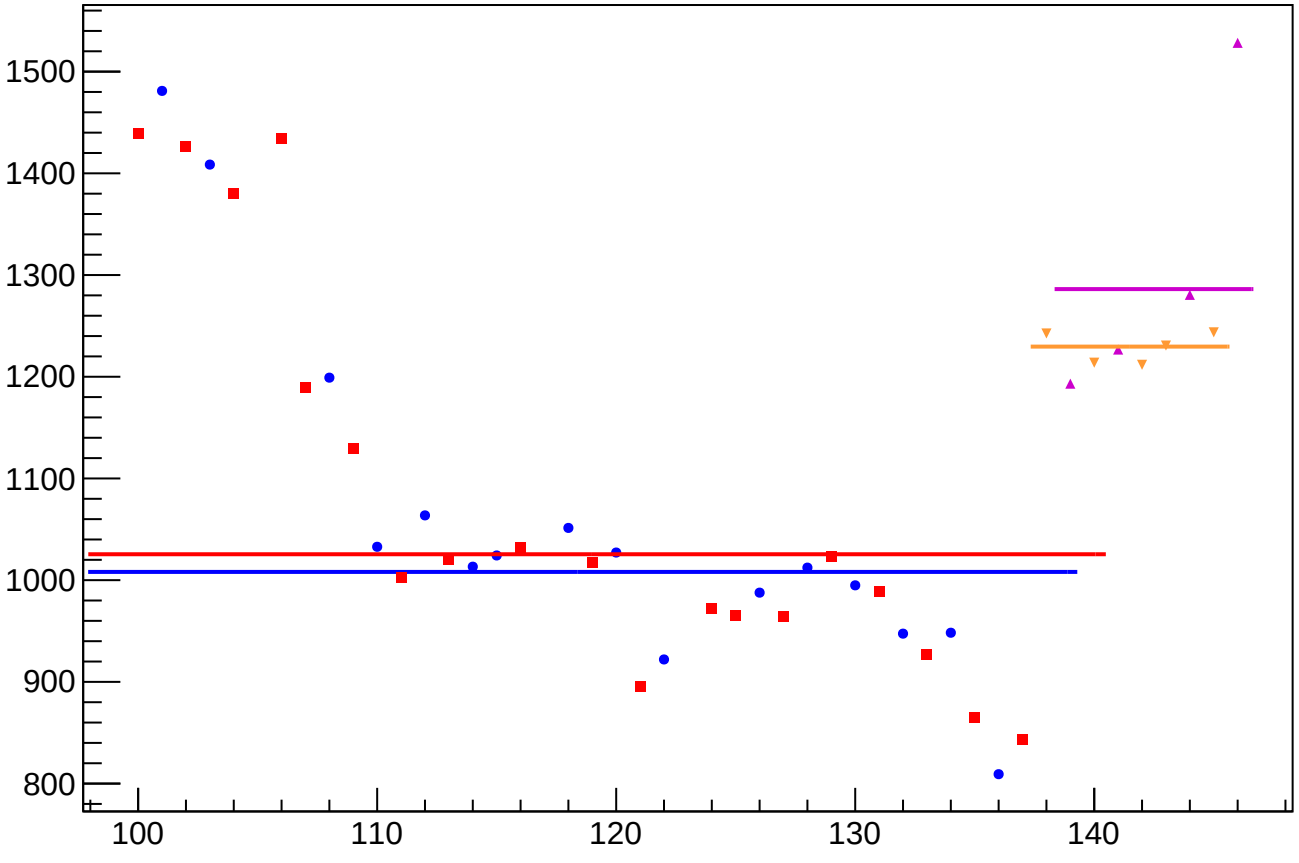
Left In: -11.316+/-0.688 χ^2/NDF:39.4/3

+ sign -4.044+/-0.327 χ^2/NDF: 116.4/20

All: -3.167+/-0.233 χ^2/NDF: 513.3/43

- sign -2.262+/-0.332 χ^2/NDF: 382.2/22

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1229.639+/-0.453 χ^2/NDF:852.5/4

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

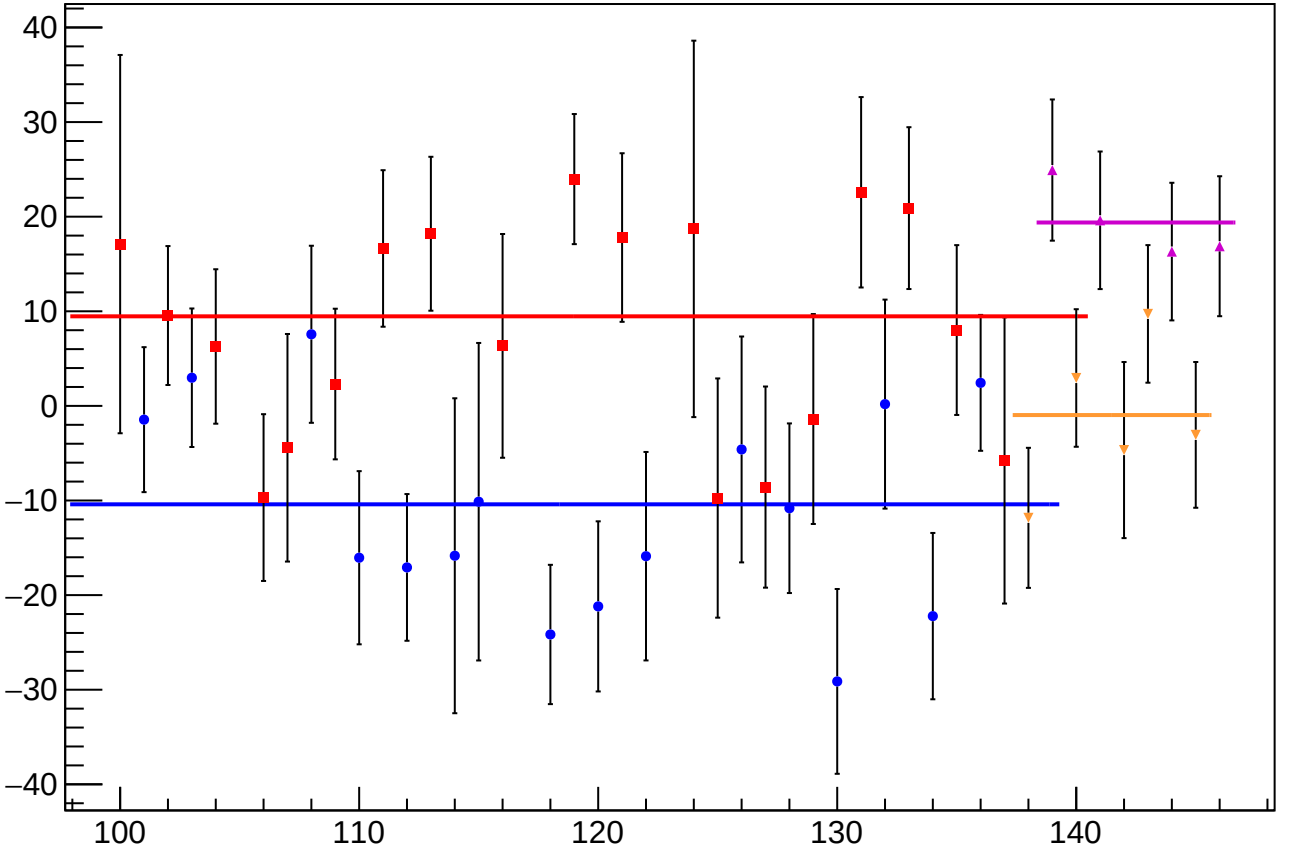
Left In: 1286.179+/-0.486 χ^2/NDF:59592.2/3

+ sign 1065.718+/-0.231 χ^2/NDF: 556662.8/20

All: 1075.752+/-0.165 χ^2/NDF: 1186492.0/43

- sign 1086.099+/-0.235 χ^2/NDF: 625996.2/22

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.968+/-3.440 χ^2/NDF:4.8/4

Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

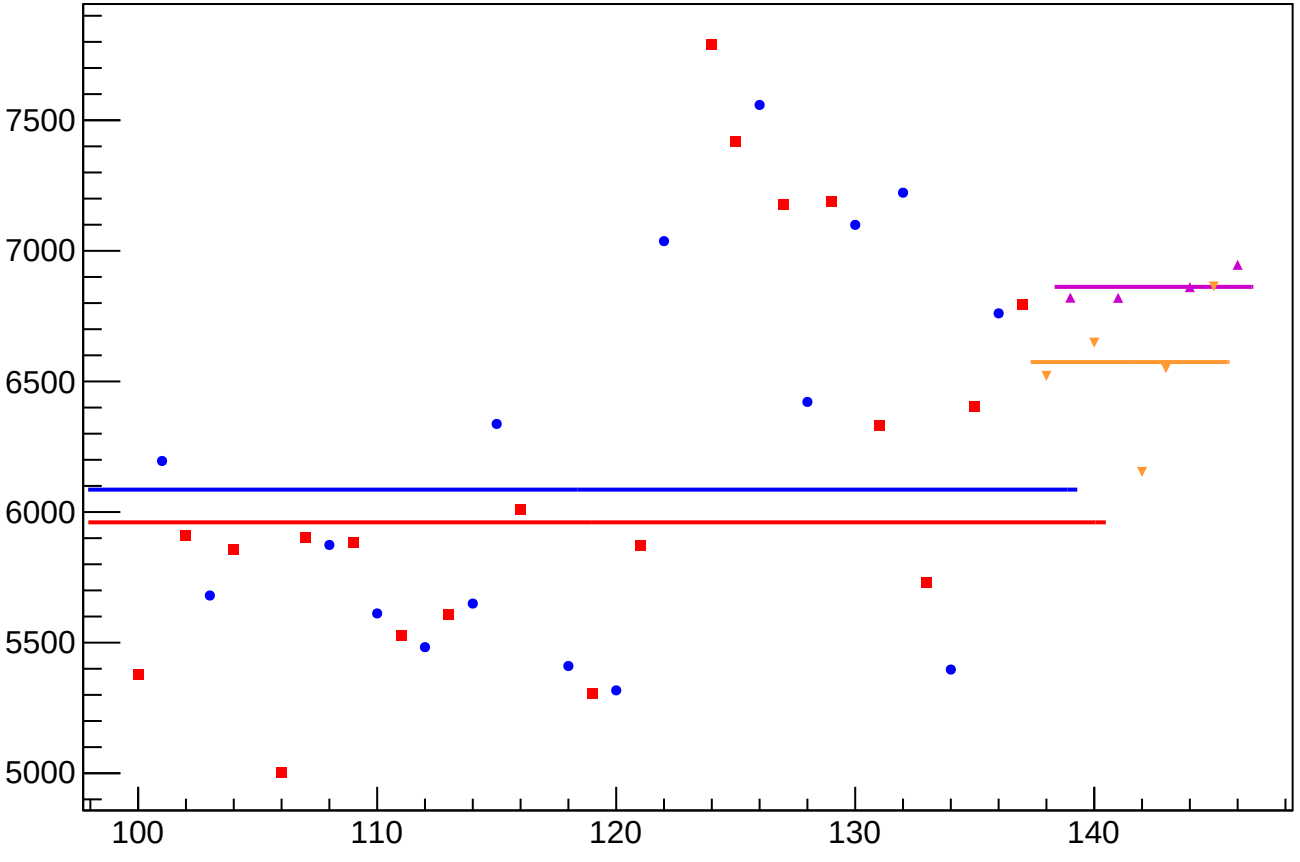
Left In: 19.384+/-3.675 χ^2/NDF:0.8/3

\+ sign -7.524+/-1.901 χ^2/NDF: 34.7/20

All: 2.368+/-1.337 χ^2/NDF: 119.9/43

\- sign 12.067+/-1.882 χ^2/NDF: 31.6/22

diff_bpm0l05X_rms vs Slug



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6574.292+/-2.433 χ^2/NDF:7237.8/4

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

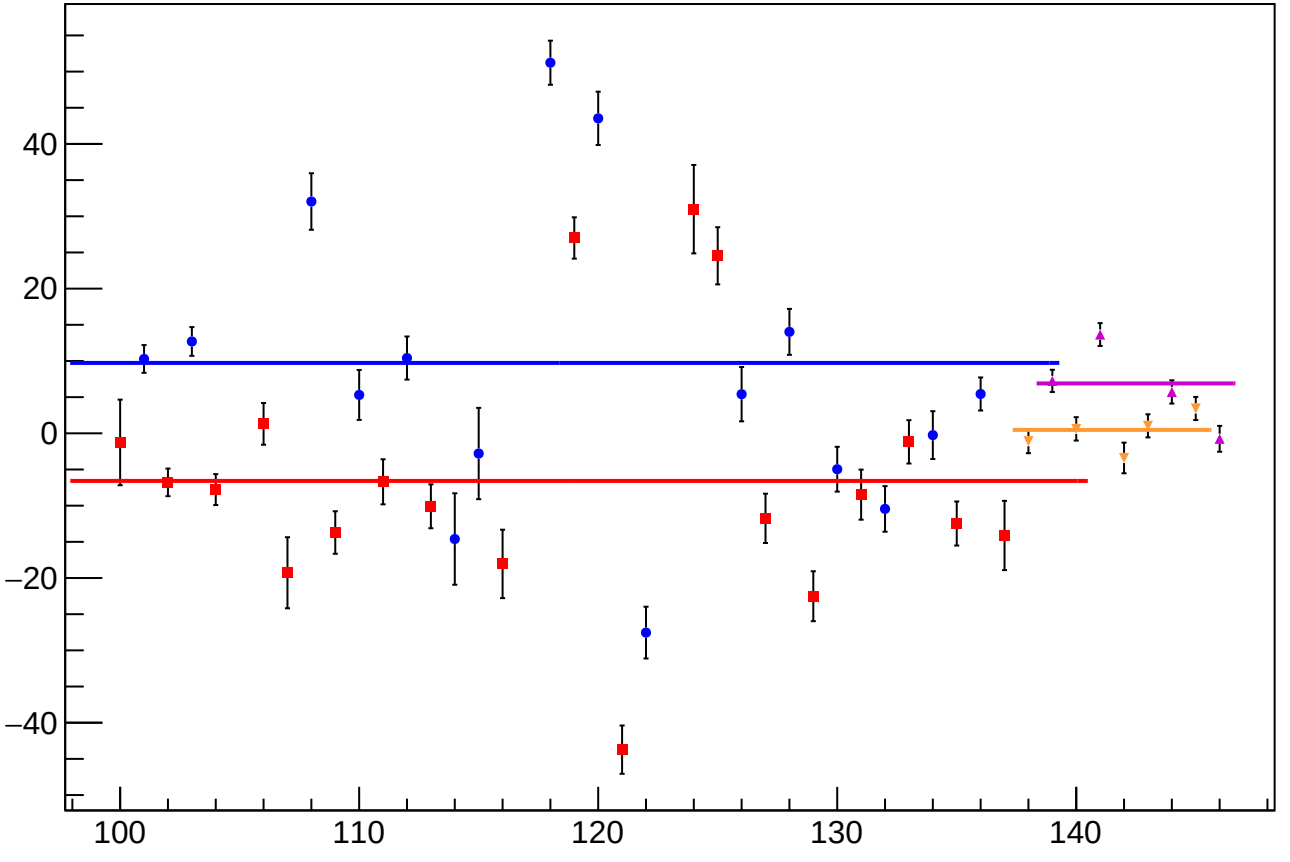
Left In: 6862.020+/-2.599 χ^2/NDF:389.1/3

+ sign 6234.918+/-1.344 χ^2/NDF: 214363.5/20

All: 6215.765+/-0.946 χ^2/NDF: 466705.7/43

- sign 6196.988+/-1.331 χ^2/NDF: 251939.9/22

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 0.473+/-0.755 χ^2/NDF:7.8/4

Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

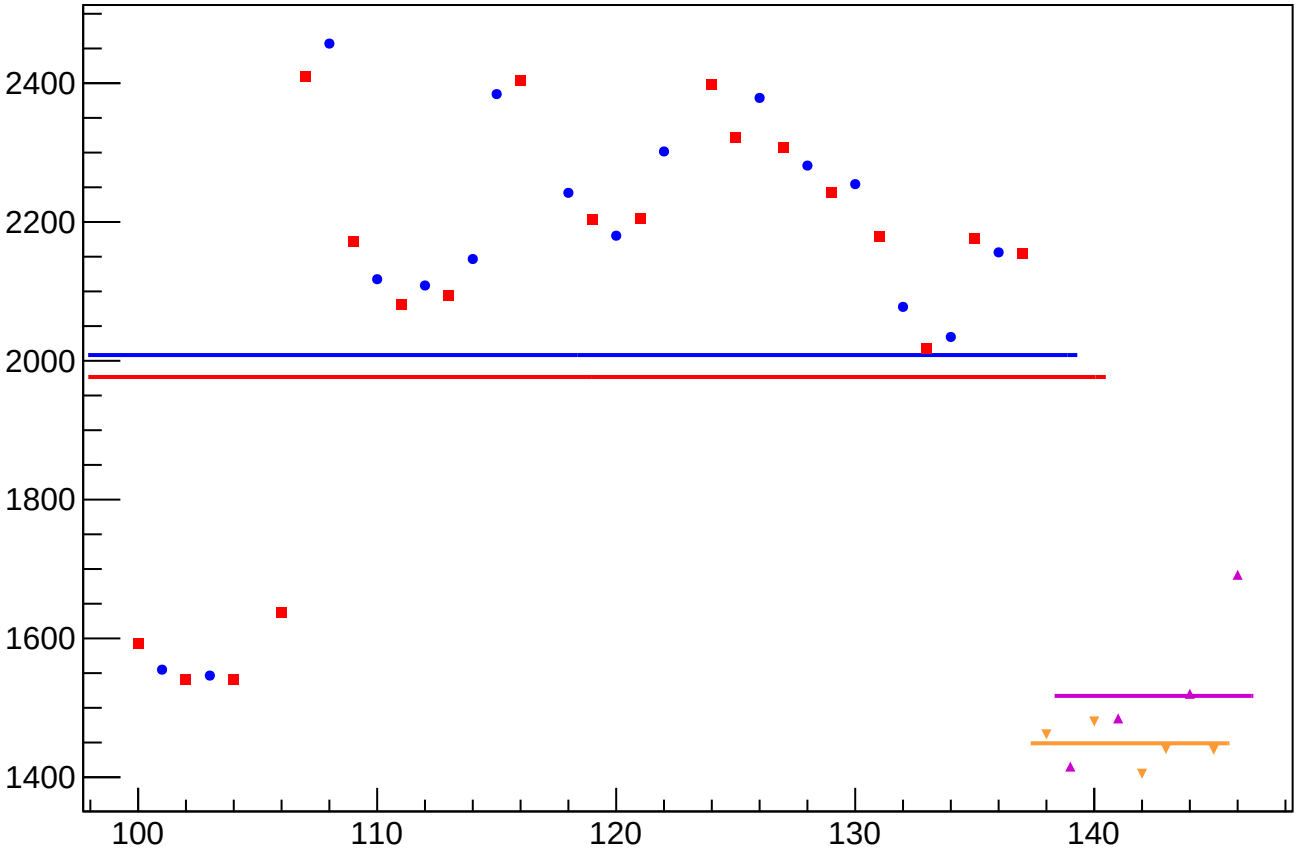
Left In: 6.897+/-0.810 χ^2/NDF:37.3/3

+ sign 5.103+/-0.534 χ^2/NDF: 595.4/20

All: 2.329+/-0.380 χ^2/NDF: 1263.9/43

- sign -0.536+/-0.542 χ^2/NDF: 613.6/22

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1448.871+/-0.534 χ^2/NDF:1861.6/4

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

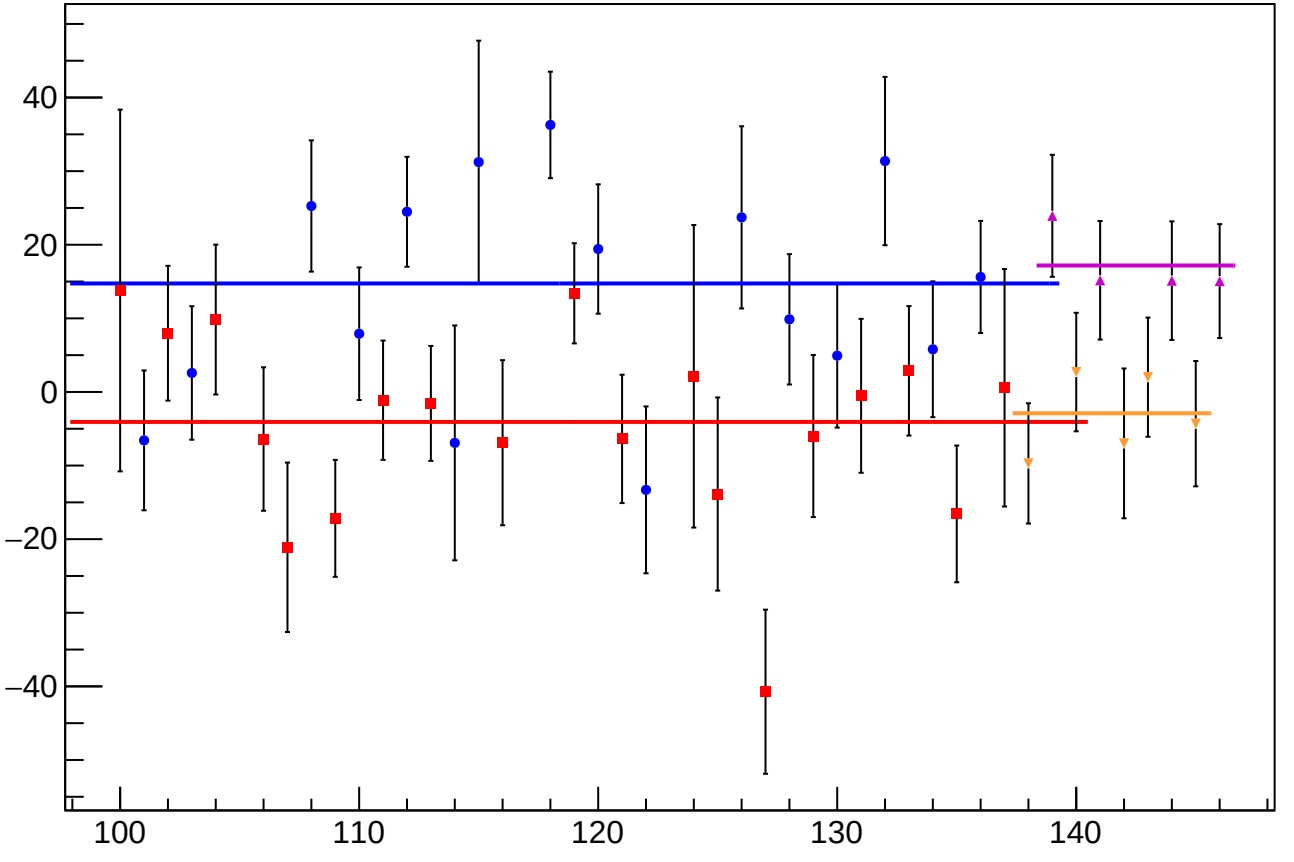
Left In: 1517.196+/-0.573 χ^2/NDF:28719.1/3

+ sign 1728.593+/-0.377 χ^2/NDF: 895362.9/20

All: 1749.308+/-0.269 χ^2/NDF: 1650455.3/43

- sign 1770.701+/-0.384 χ^2/NDF: 748970.2/22

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.893+/-3.804 χ^2/NDF:1.7/4

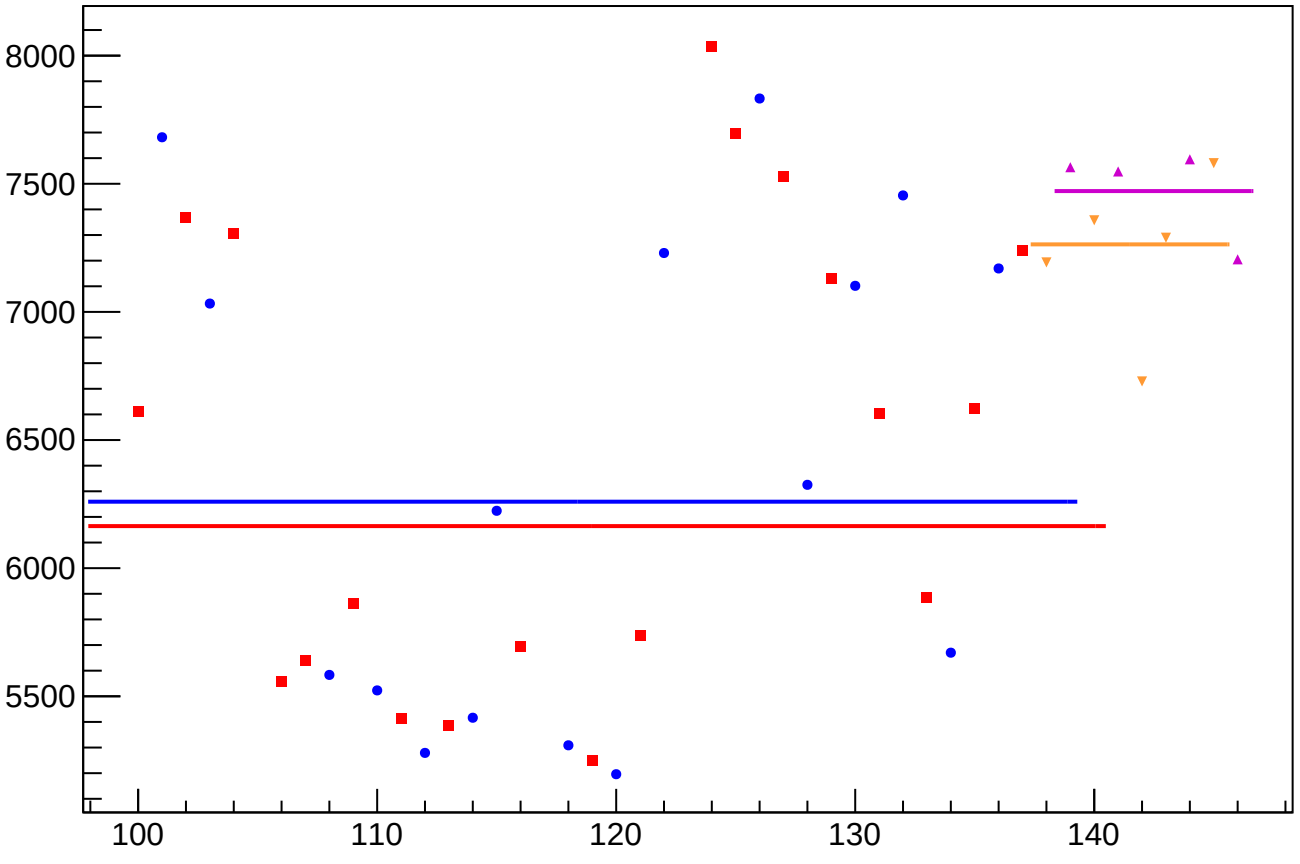
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 17.182+/-4.013 χ^2/NDF:0.9/3

+ sign 9.845+/-2.004 χ^2/NDF: 50.8/20

All: 5.413+/-1.408 χ^2/NDF: 112.7/43

- sign 1.093+/-1.978 χ^2/NDF: 52.3/22



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7263.525+/-2.690 χ^2/NDF:8736.8/4

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

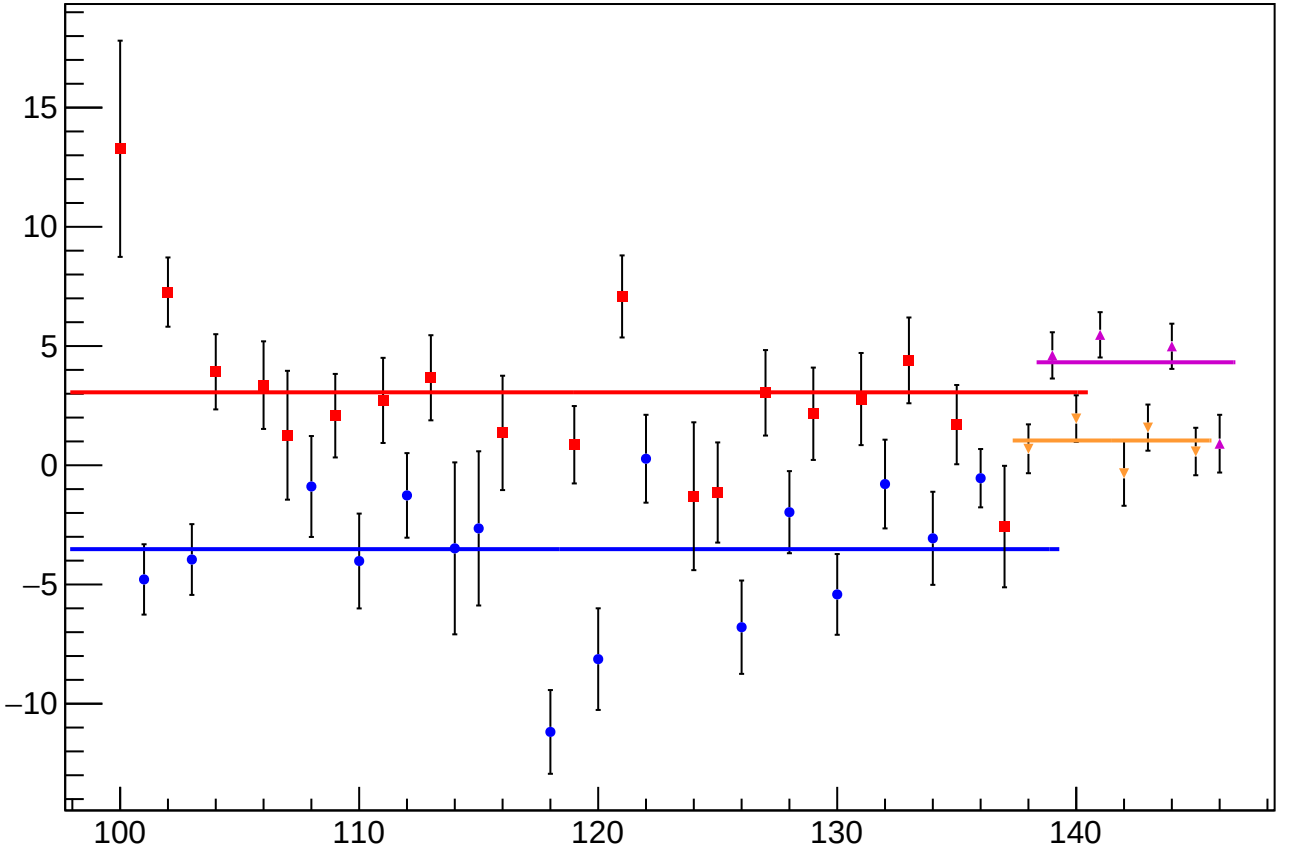
Left In: 7471.515+/-2.838 χ^2/NDF:3275.3/3

+ sign 6538.101+/-1.417 χ^2/NDF: 418030.8/20

All: 6509.595+/-0.995 χ^2/NDF: 847829.8/43

- sign 6481.813+/-1.399 χ^2/NDF: 428999.9/22

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.039+/-0.465 χ^2/NDF:2.6/4

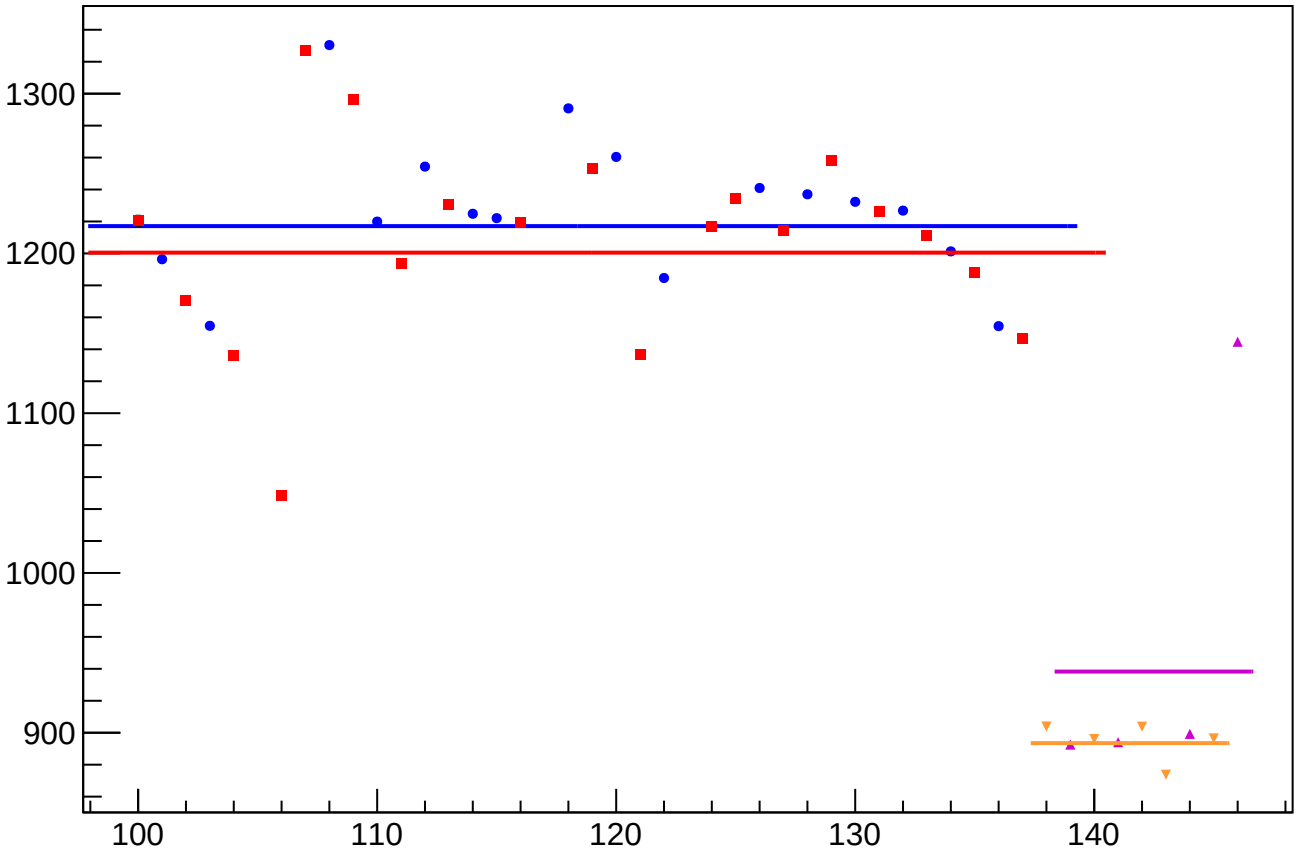
Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: 4.319+/-0.502 χ^2/NDF:10.0/3

+ sign -1.303+/-0.324 χ^2/NDF: 96.9/20

All: 1.106+/-0.231 χ^2/NDF: 257.7/43

- sign 3.604+/-0.330 χ^2/NDF: 48.4/22



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 893.490+/-0.329 χ^2/NDF:1185.9/4

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

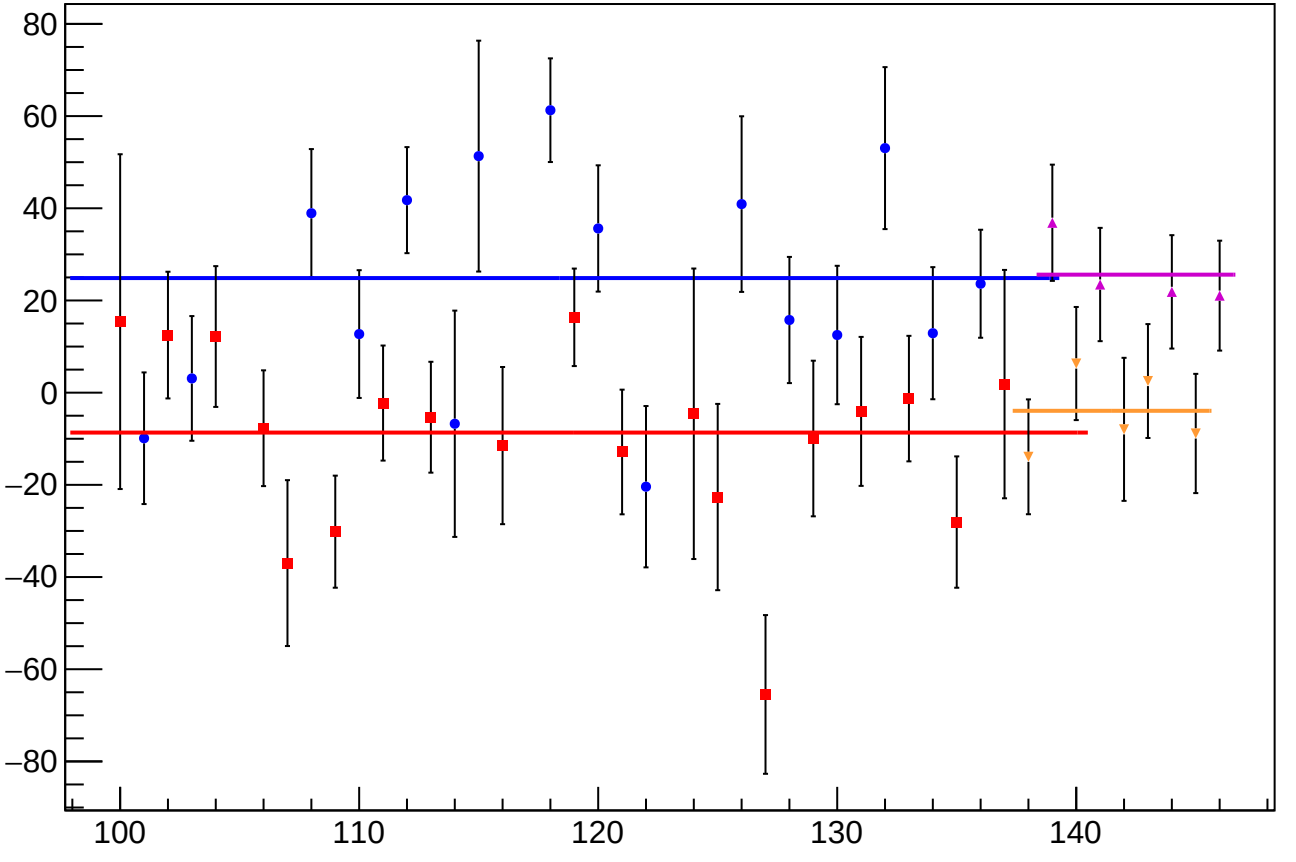
Left In: 938.267+/-0.355 χ^2/NDF:70278.8/3

+ sign 1059.817+/-0.229 χ^2/NDF: 520200.7/20

All: 1073.221+/-0.164 χ^2/NDF: 944562.8/43

- sign 1087.117+/-0.234 χ^2/NDF: 417405.7/22

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -3.936+/-5.796 χ^2/NDF:1.8/4

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

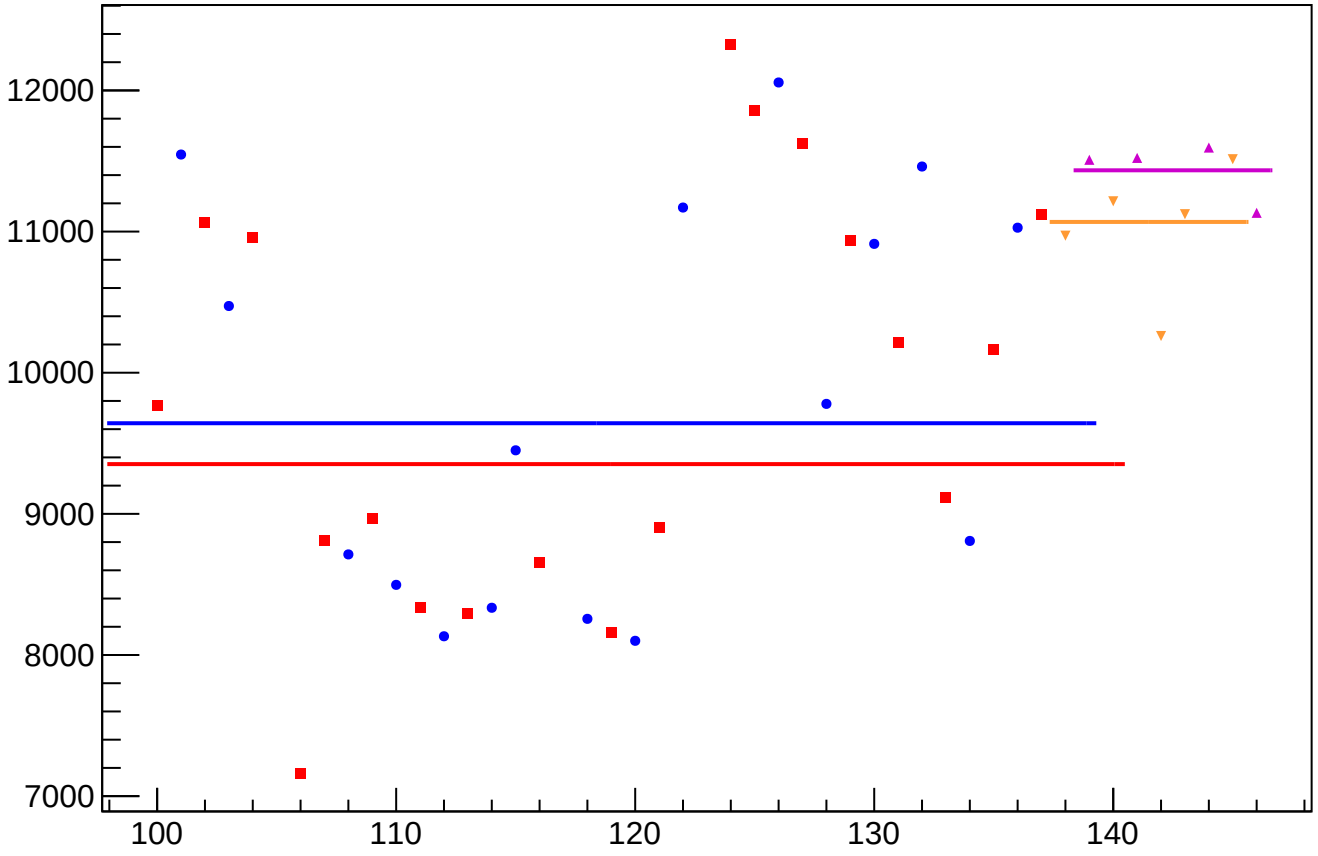
Left In: 25.600+/-6.137 χ^2/NDF:1.1/3

+ sign 16.754+/-3.075 χ^2/NDF: 57.7/20

All: 7.983+/-2.151 χ^2/NDF: 128.5/43

- sign -0.418+/-3.010 χ^2/NDF: 54.9/22

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 11068.320+/-4.098 χ^2/NDF:8232.5/4

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

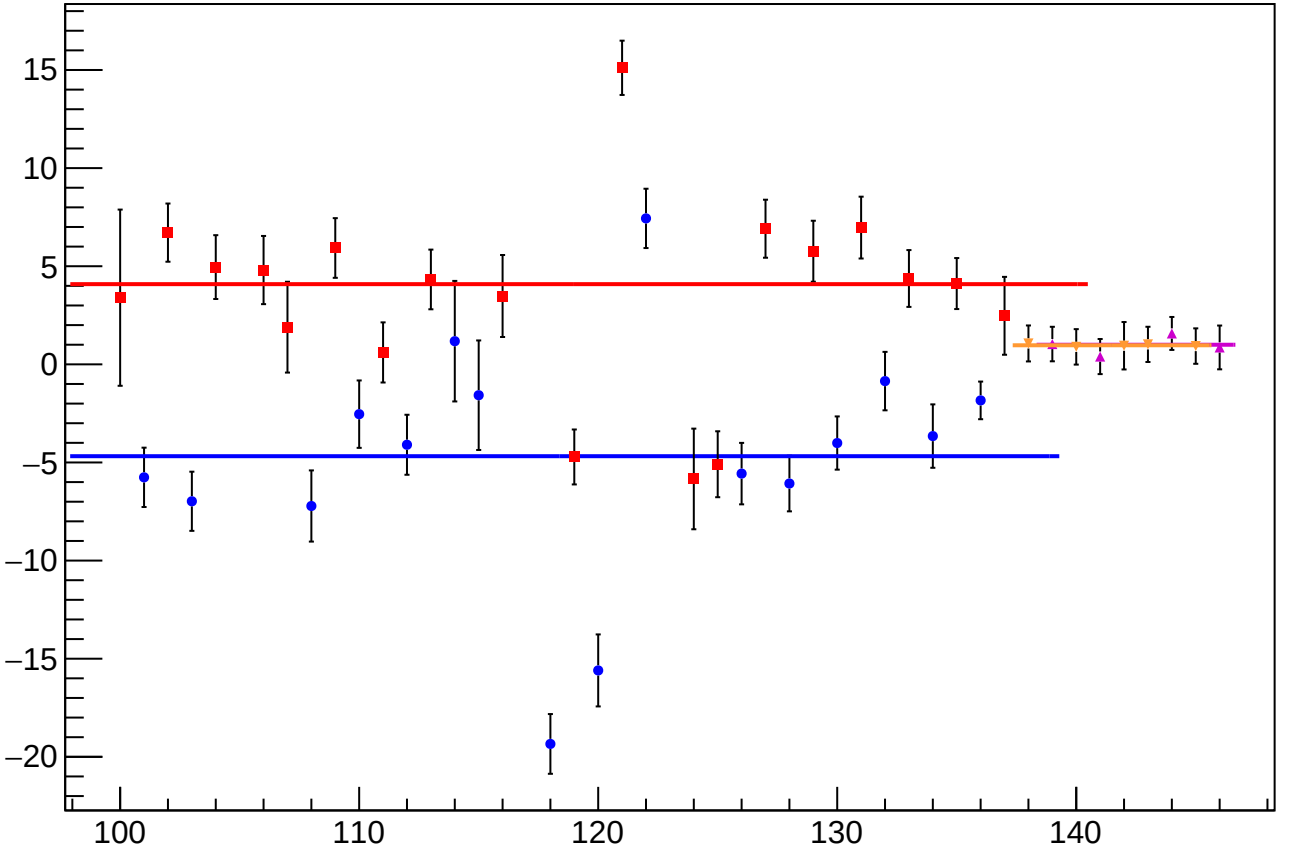
Left In: 11434.069+/-4.339 χ^2/NDF:1791.3/3

+ sign 10043.566+/-2.175 χ^2/NDF: 374901.1/20

All: 9946.343+/-1.521 χ^2/NDF: 857144.1/43

- sign 9853.214+/-2.128 χ^2/NDF: 478329.1/22

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.972+/-0.424 χ^2/NDF:0.0/4

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

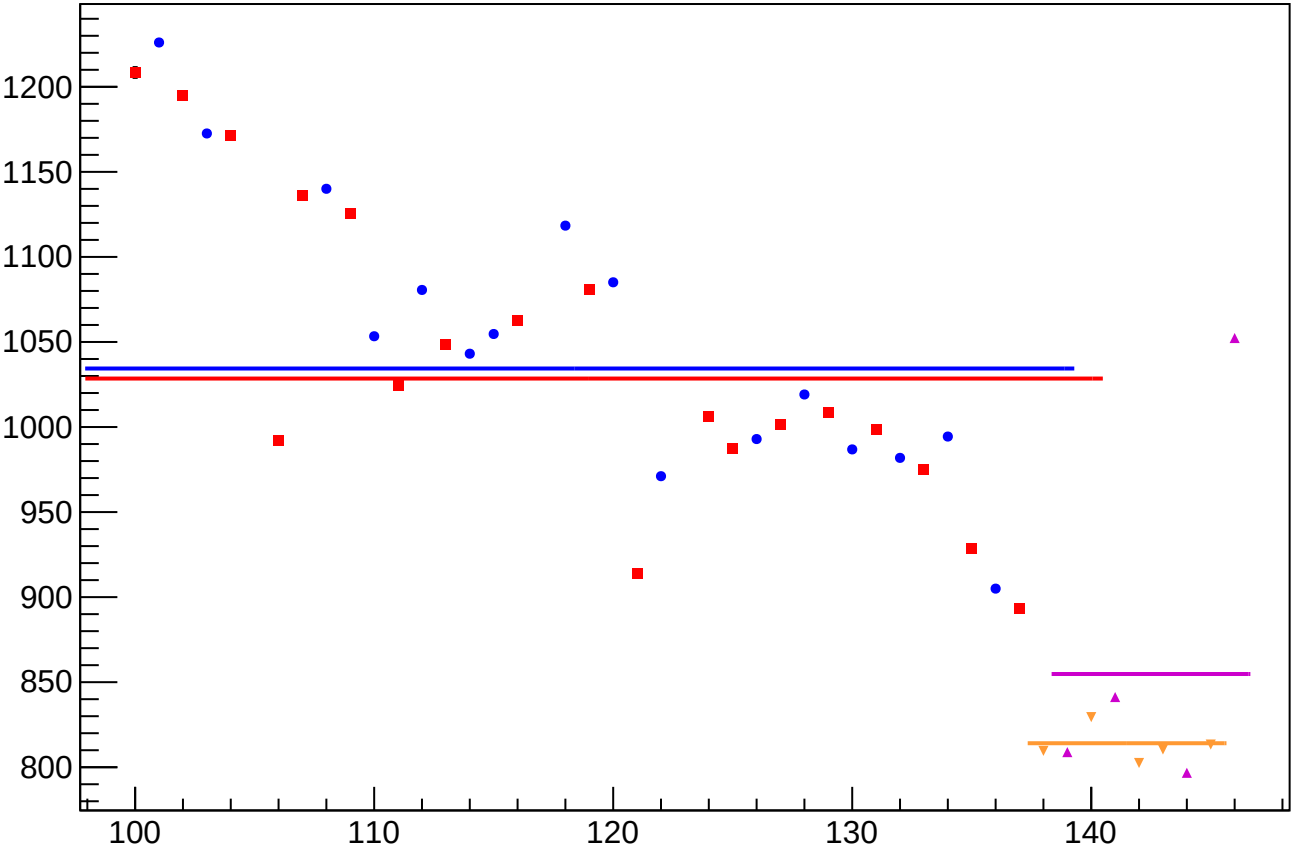
Left In: 0.999+/-0.458 χ^2/NDF:0.9/3

+ sign -2.119+/-0.285 χ^2/NDF: 318.5/20

All: 0.314+/-0.204 χ^2/NDF: 662.9/43

- sign 2.842+/-0.291 χ^2/NDF: 196.1/22

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 814.109+/-0.300 χ^2/NDF:844.9/4

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

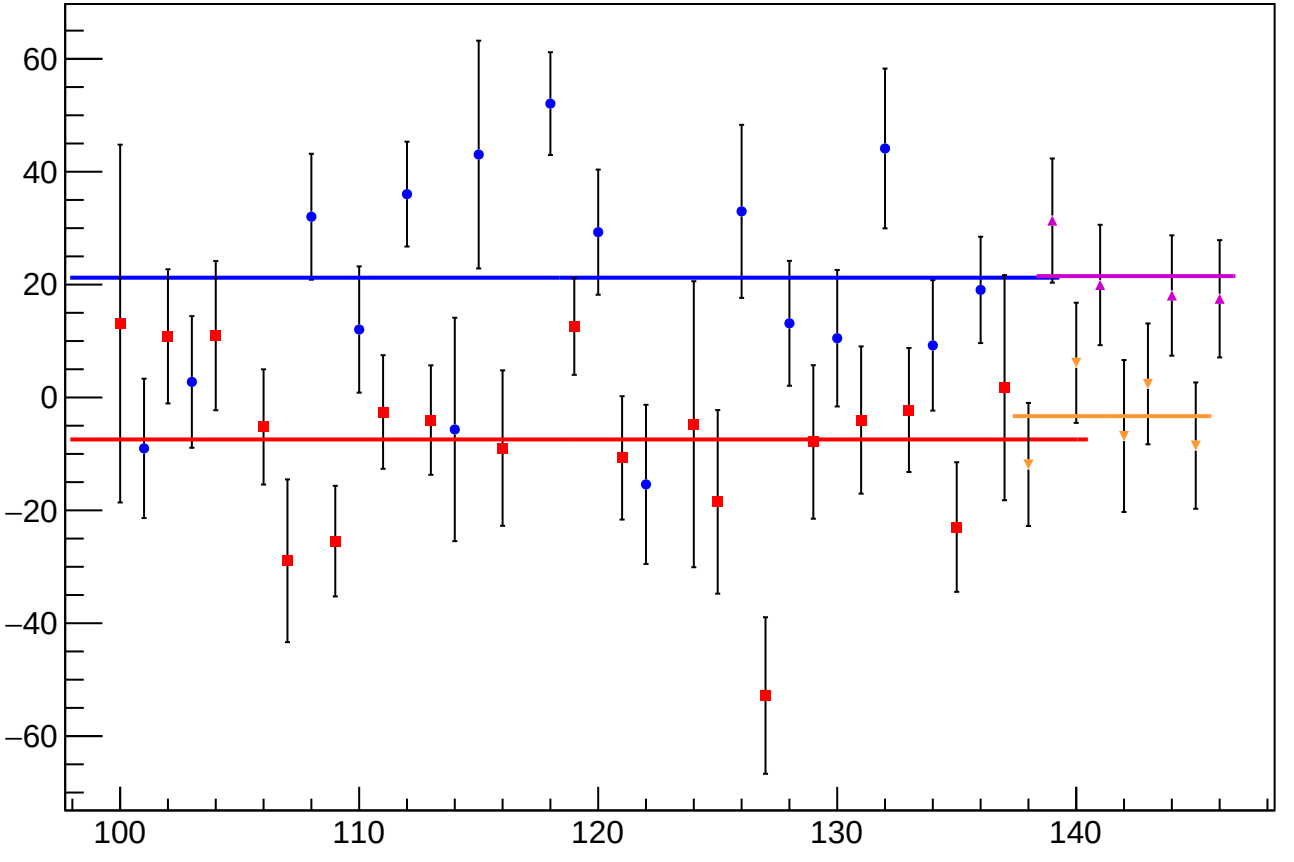
Left In: 854.809+/-0.324 χ^2/NDF:78162.8/3

+ sign 934.565+/-0.202 χ^2/NDF: 409682.1/20

All: 946.302+/-0.144 χ^2/NDF: 768021.4/43

- sign 958.501+/-0.206 χ^2/NDF: 351434.2/22

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -3.306+/-5.034 χ^2/NDF:2.0/4

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

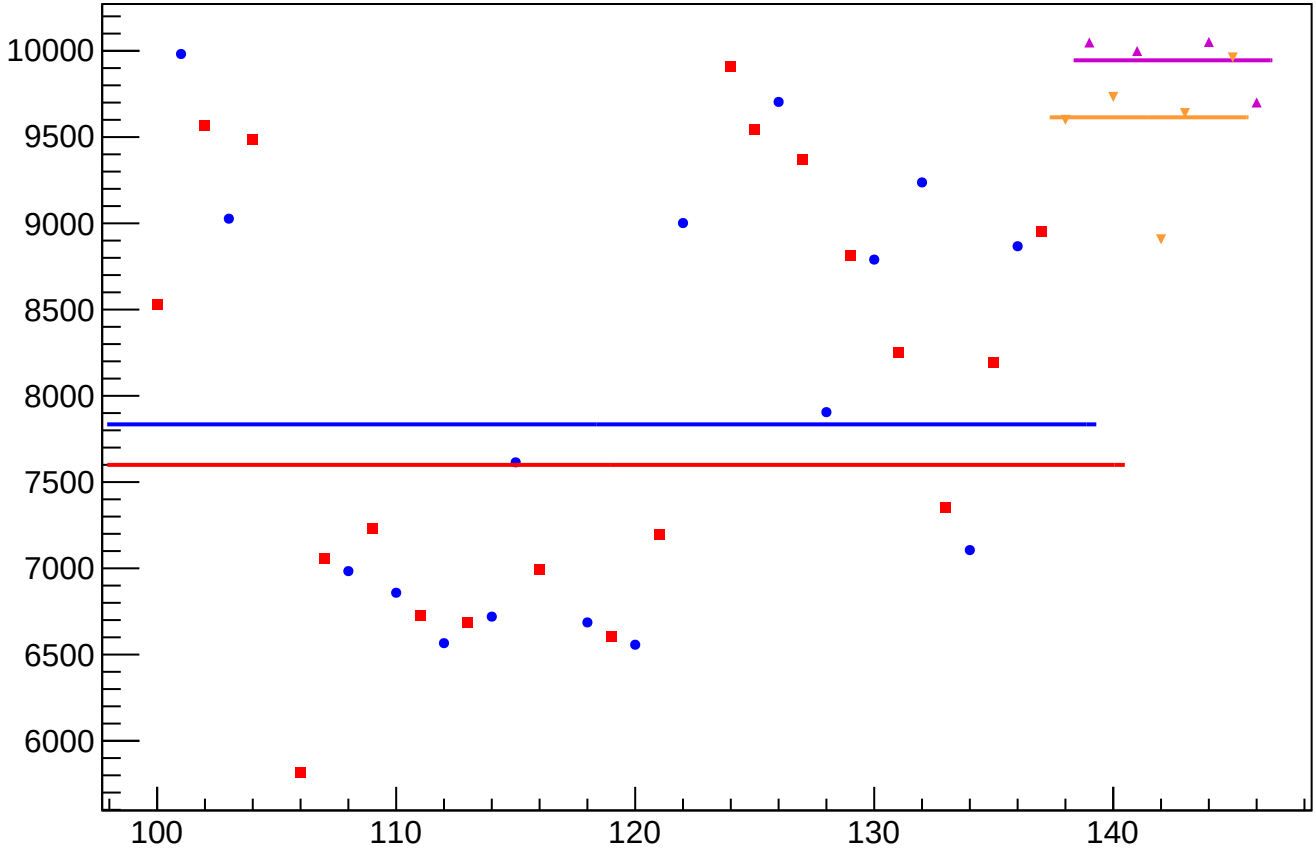
Left In: 21.503+/-5.336 χ^2/NDF:1.1/3

+ sign 14.947+/-2.546 χ^2/NDF: 59.7/20

All: 6.706+/-1.779 χ^2/NDF: 134.1/43

- sign -1.151+/-2.487 χ^2/NDF: 53.9/22

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9614.646+/-3.560 χ^2/NDF:7700.2/4

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

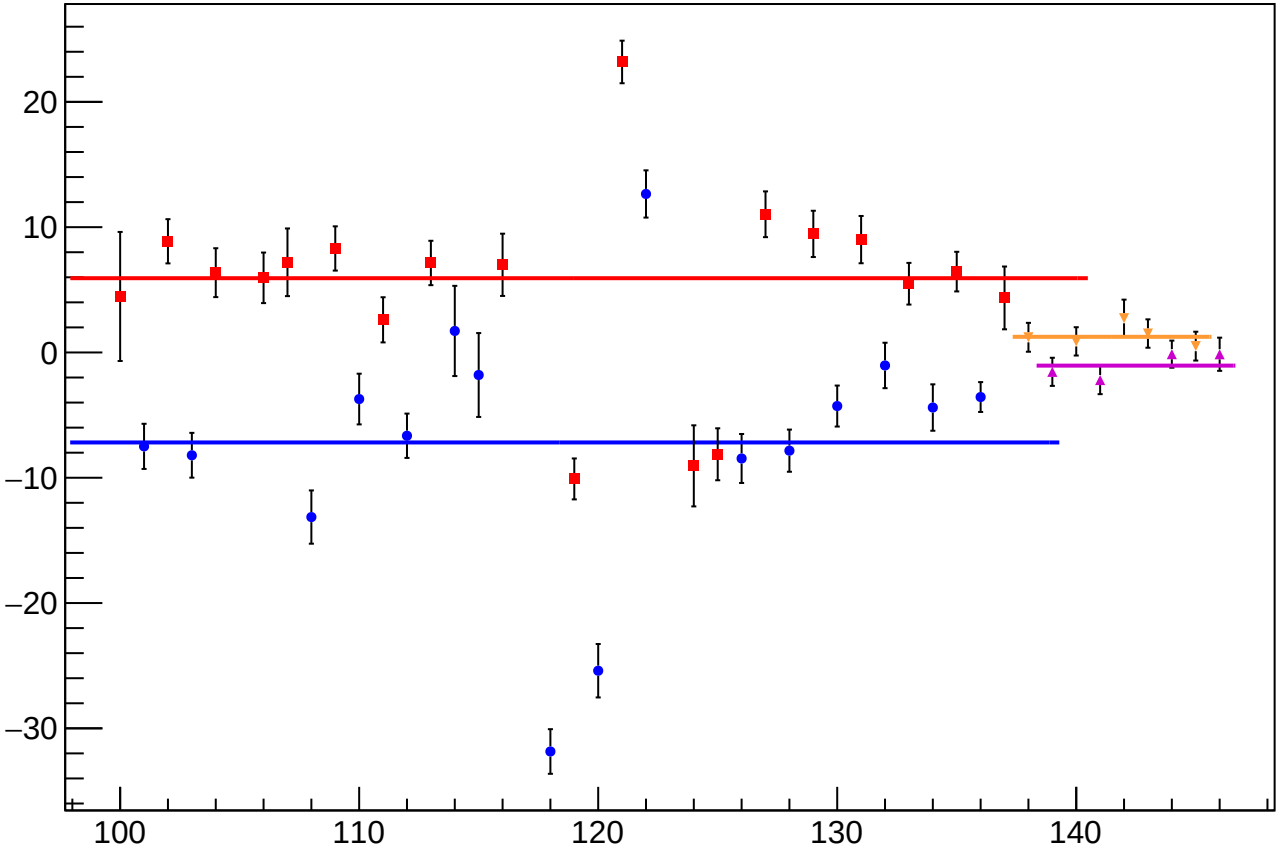
Left In: 9945.080+/-3.773 χ^2/NDF:1533.7/3

+ sign 8289.992+/-1.801 χ^2/NDF: 511849.5/20

All: 8197.358+/-1.258 χ^2/NDF: 1165321.1/43

- sign 8109.027+/-1.758 χ^2/NDF: 648300.9/22

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.249+/-0.533 χ^2/NDF:1.6/4

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

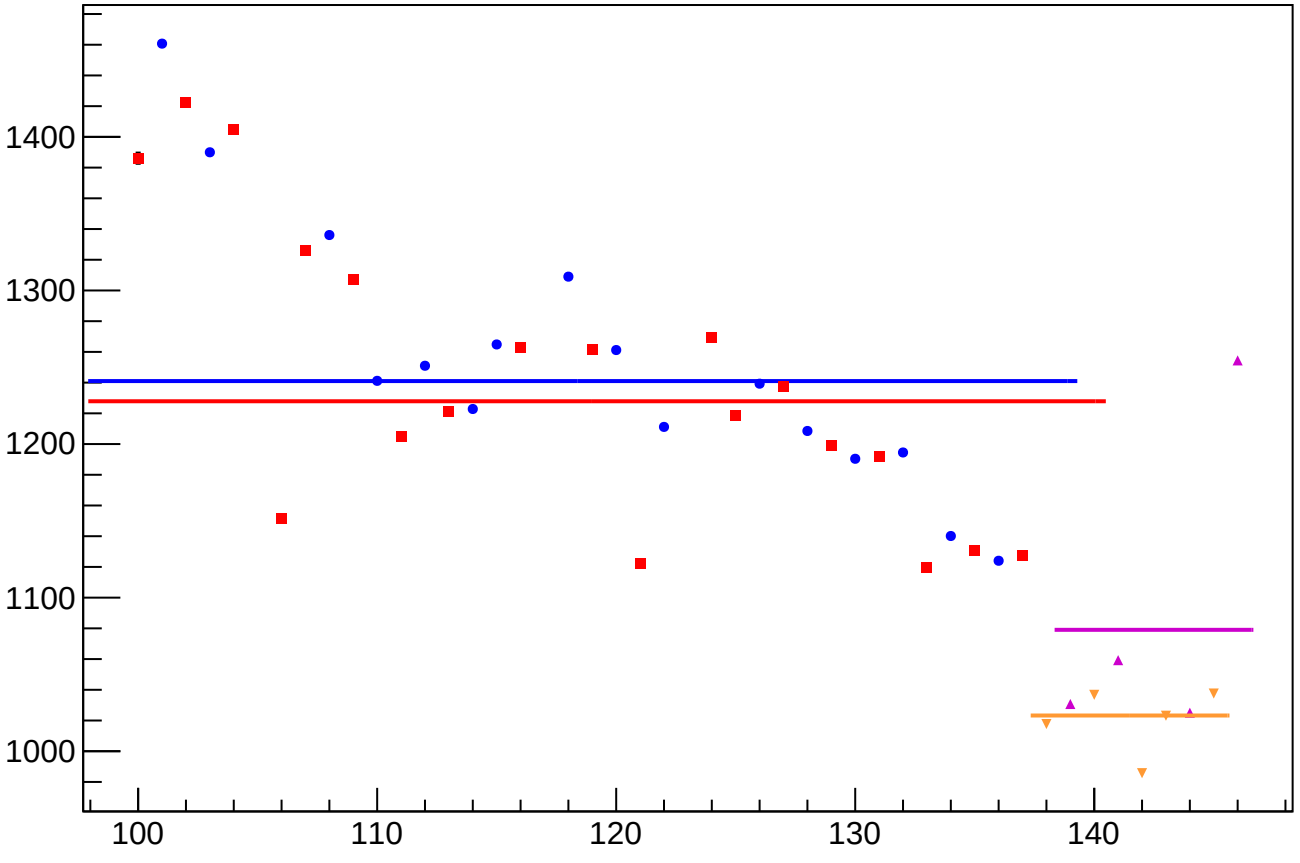
Left In: -1.050+/-0.577 χ^2/NDF:2.4/3

+ sign -3.561+/-0.349 χ^2/NDF: 566.7/20

All: -0.184+/-0.249 χ^2/NDF: 1140.4/43

- sign 3.292+/-0.354 χ^2/NDF: 383.9/22

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1023.260+/-0.377 χ^2/NDF:1918.6/4

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

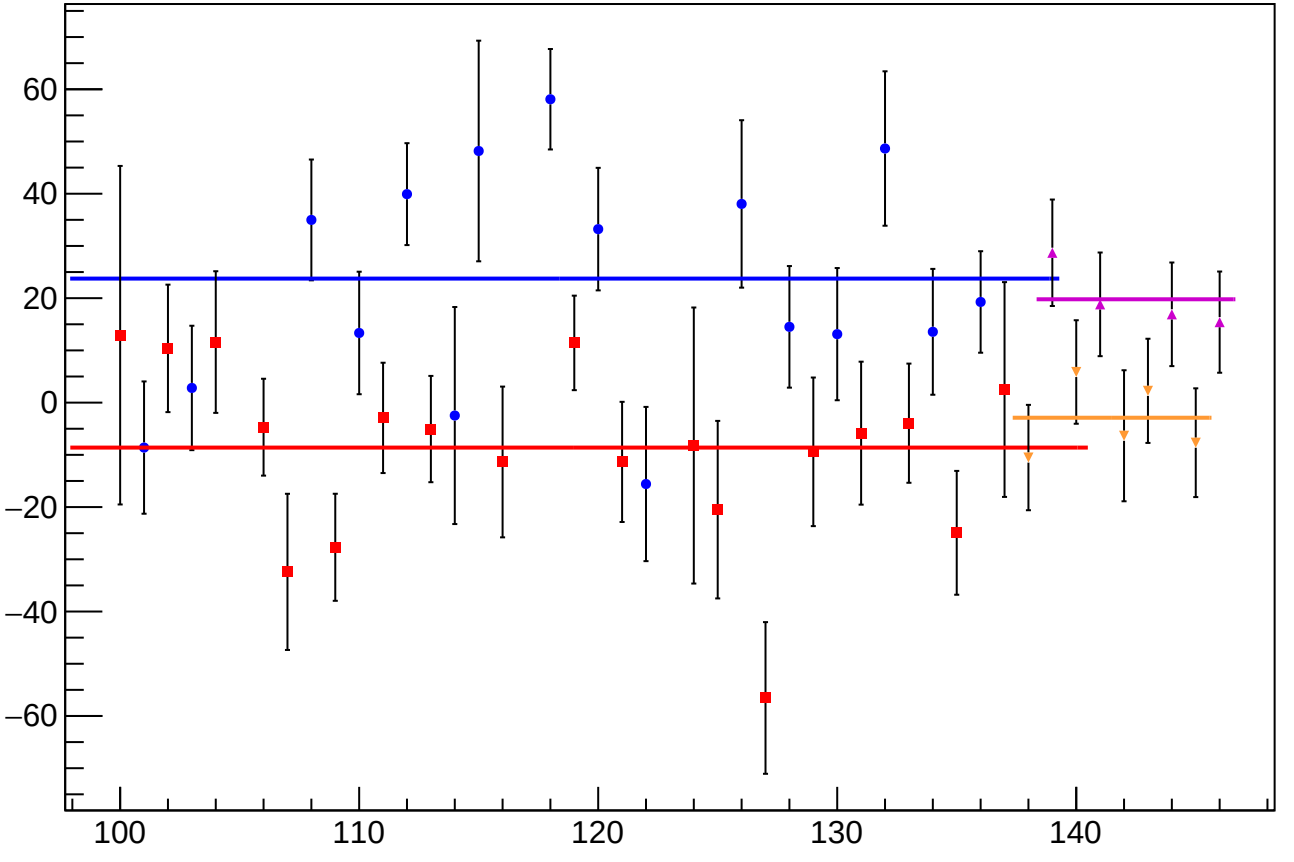
Left In: 1079.045+/-0.408 χ^2/NDF:44417.1/3

+ sign 1147.479+/-0.247 χ^2/NDF: 273125.5/20

All: 1159.391+/-0.176 χ^2/NDF: 487531.9/43

- sign 1171.655+/-0.251 χ^2/NDF: 209683.1/22

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -2.893+/-4.681 χ^2/NDF:1.9/4

Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

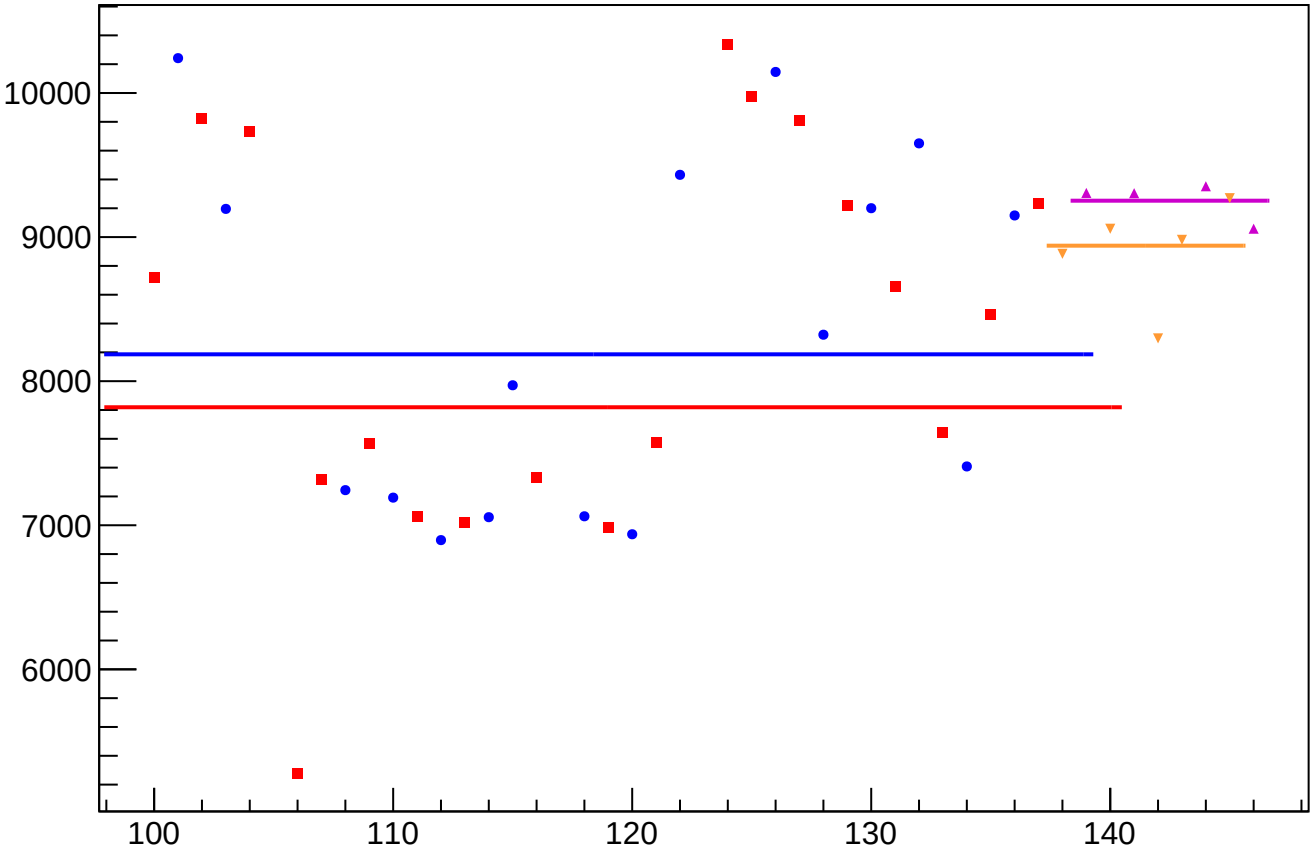
Left In: 19.789+/-4.963 χ^2/NDF:1.1/3

+ sign 15.694+/-2.574 χ^2/NDF: 67.9/20

All: 6.917+/-1.794 χ^2/NDF: 146.5/43

- sign -1.385+/-2.503 χ^2/NDF: 55.9/22

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8940.382+/-3.310 χ^2/NDF:7641.9/4

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

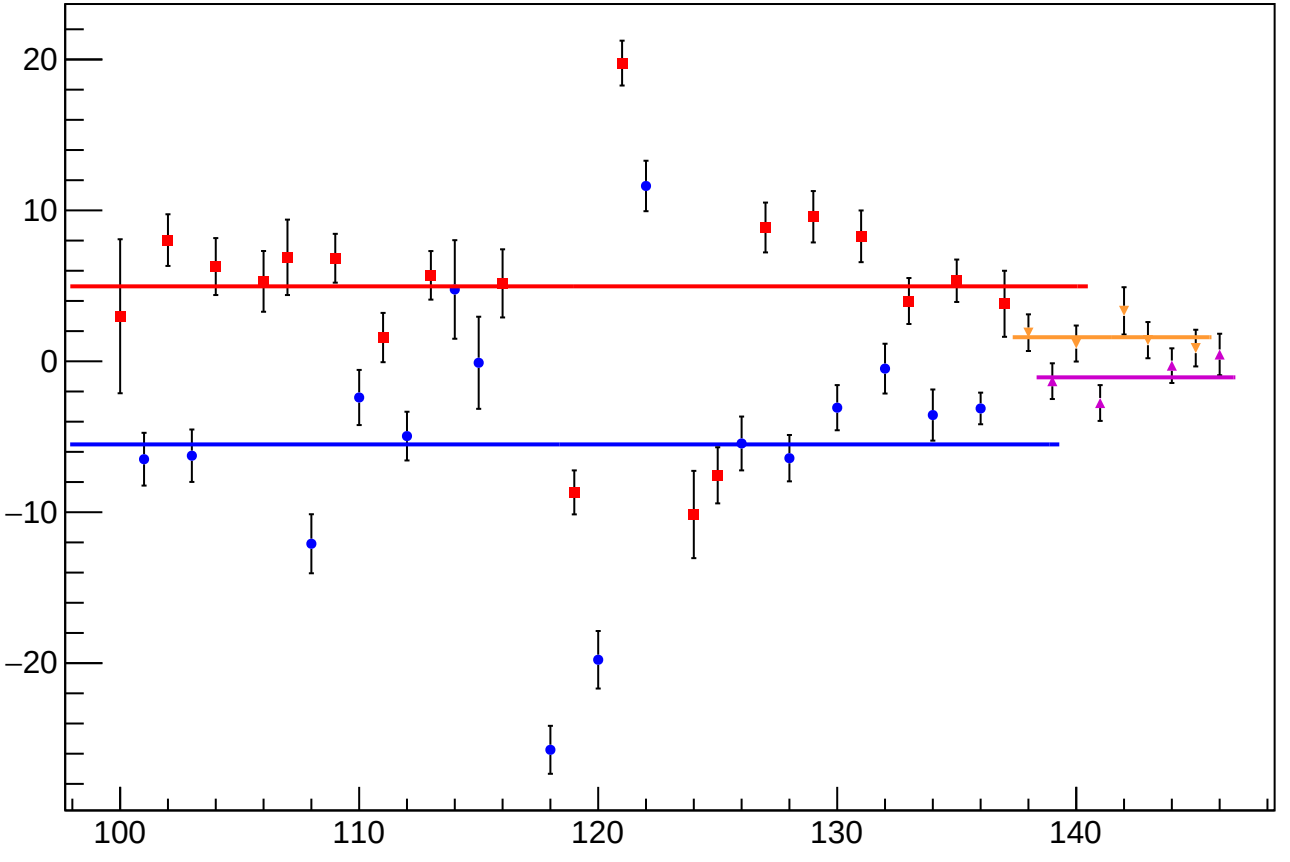
Left In: 9252.571+/-3.510 χ^2/NDF:1120.4/3

+ sign 8414.331+/-1.820 χ^2/NDF: 334477.9/20

All: 8295.783+/-1.269 χ^2/NDF: 891267.0/43

- sign 8183.641+/-1.770 χ^2/NDF: 548532.3/22

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.596+/-0.563 χ^2/NDF:1.8/4

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

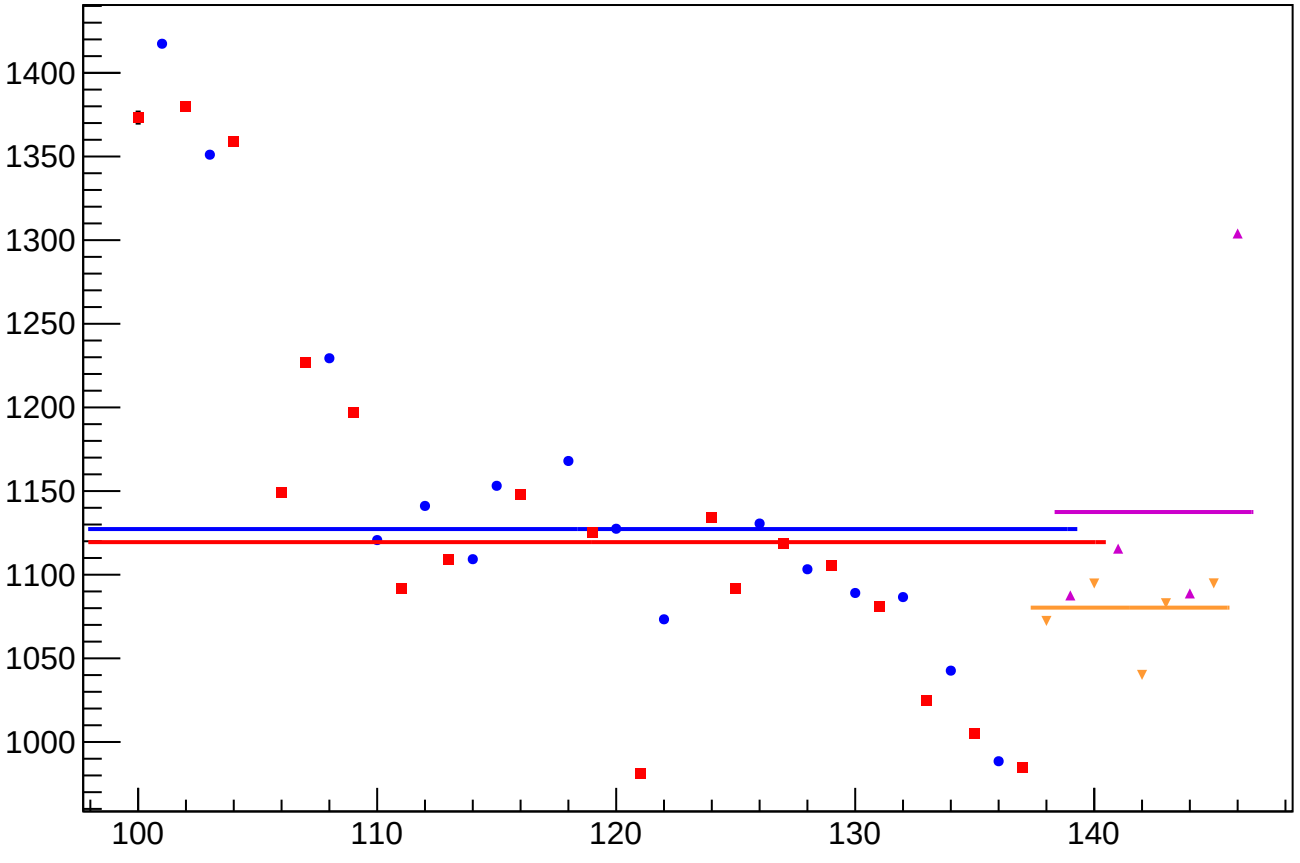
Left In: -1.063+/-0.607 χ^2/NDF:3.8/3

+ sign -2.957+/-0.337 χ^2/NDF: 473.8/20

All: 0.033+/-0.239 χ^2/NDF: 991.5/43

- sign 3.077+/-0.340 χ^2/NDF: 358.8/22

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1080.315+/-0.398 χ^2/NDF:1989.1/4

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

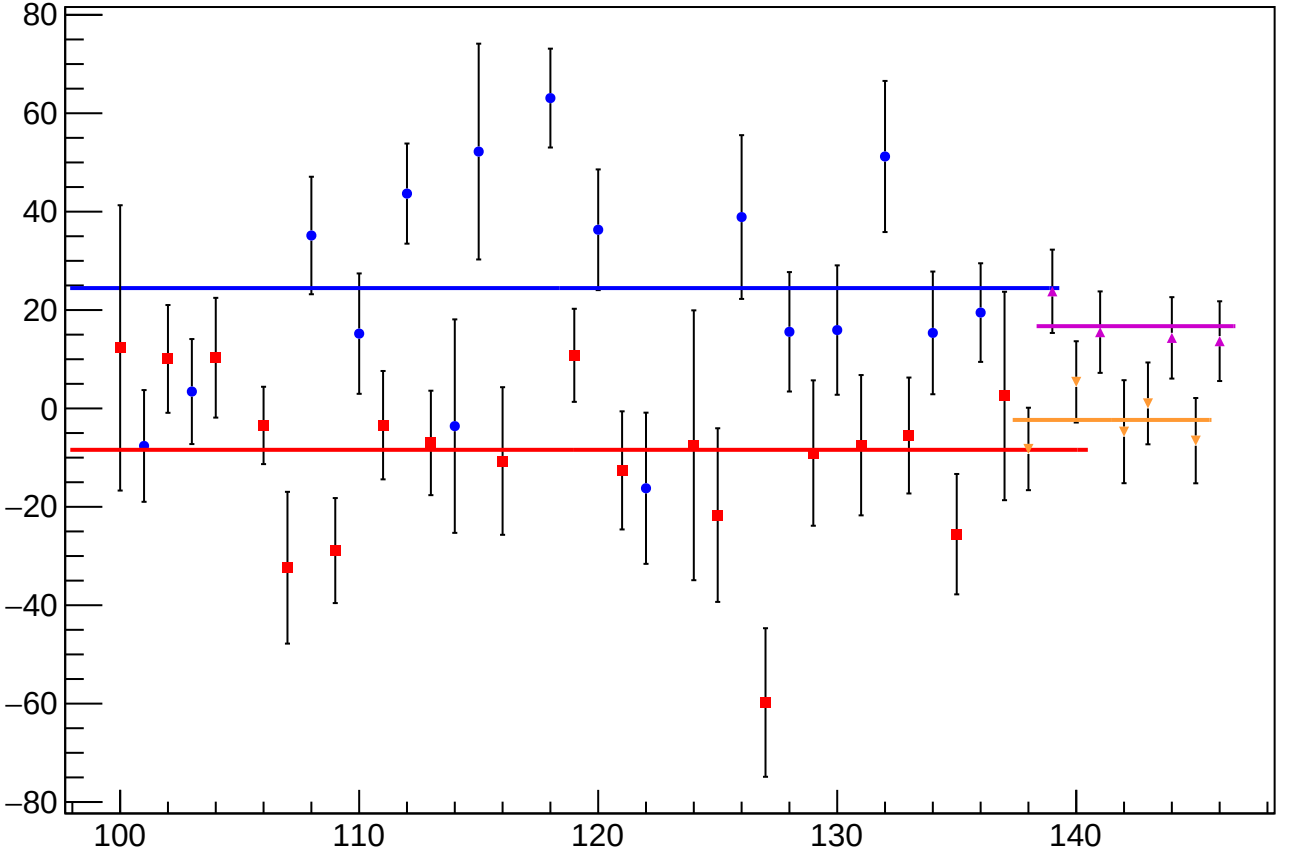
Left In: 1137.472+/-0.429 χ^2/NDF:37131.7/3

+ sign 1110.431+/-0.238 χ^2/NDF: 151546.3/20

All: 1117.707+/-0.169 χ^2/NDF: 332501.7/43

- sign 1125.114+/-0.240 χ^2/NDF: 179073.8/22

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -2.336+/-3.899 χ^2/NDF:1.8/4

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

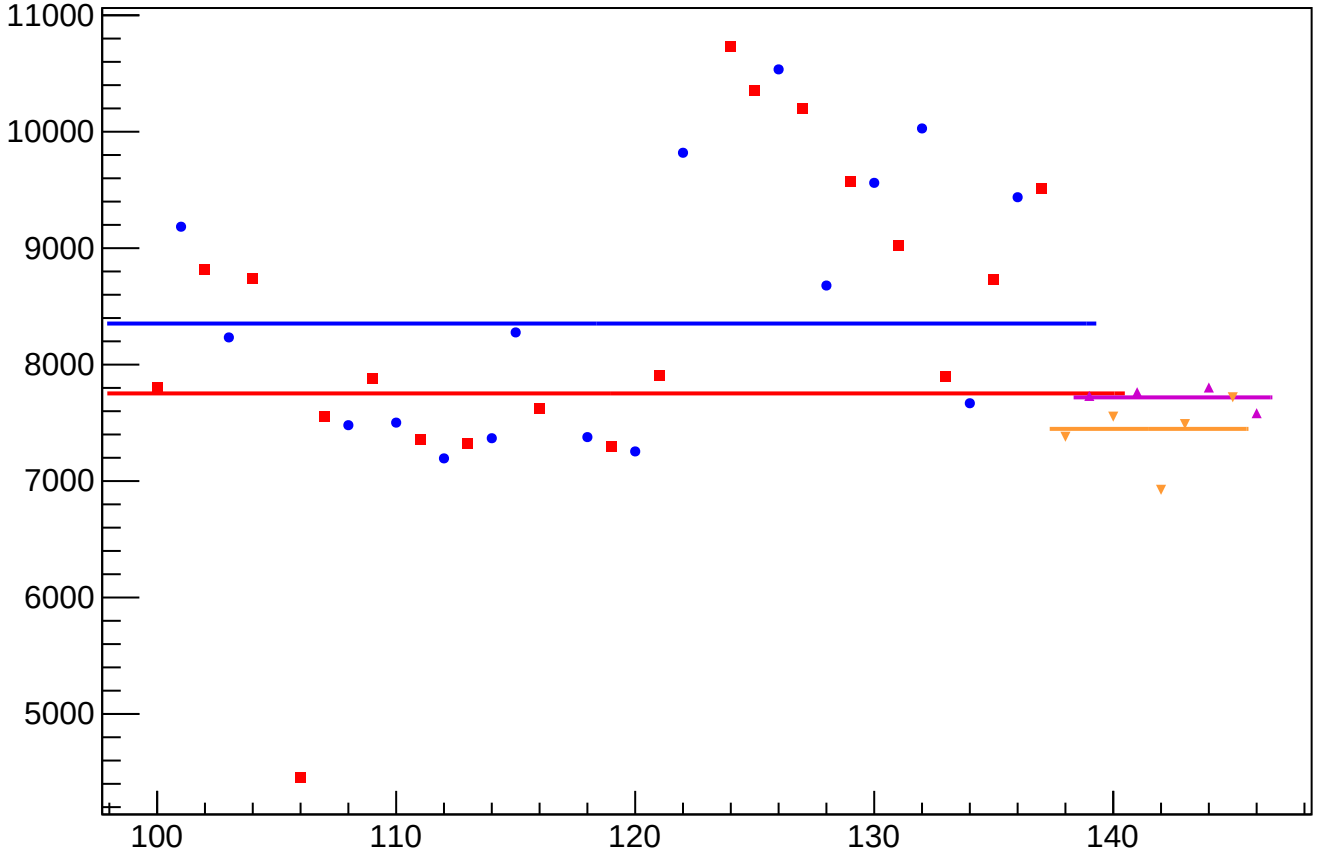
Left In: 16.723+/-4.139 χ^2/NDF:0.9/3

+ sign 13.936+/-2.444 χ^2/NDF: 78.8/20

All: 6.666+/-1.701 χ^2/NDF: 152.9/43

- sign -0.172+/-2.370 χ^2/NDF: 56.9/22

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7448.216+/-2.757 χ^2/NDF:7456.0/4

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

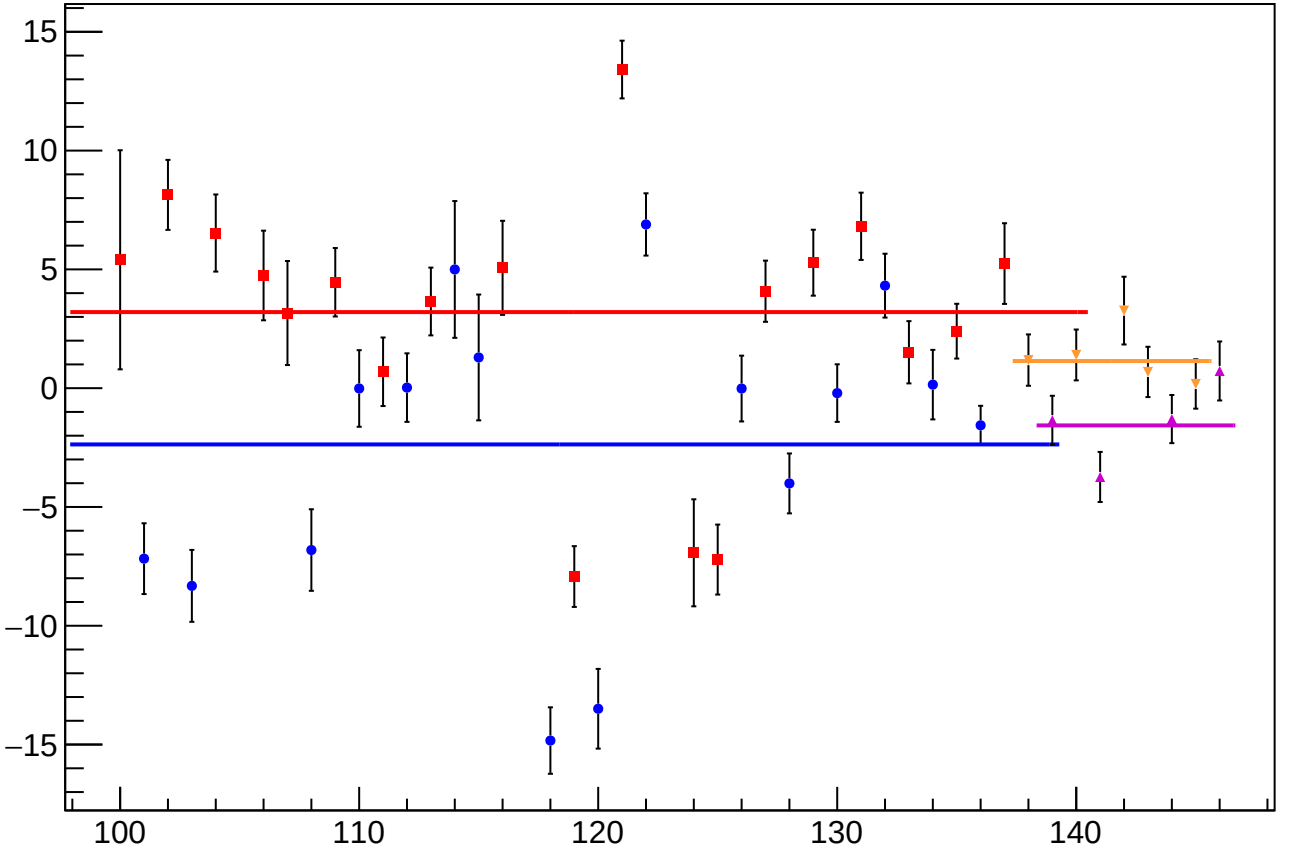
Left In: 7718.693+/-2.927 χ^2/NDF:833.2/3

+ sign 7997.446+/-1.728 χ^2/NDF: 293223.2/20

All: 7865.578+/-1.203 χ^2/NDF: 893520.8/43

- sign 7741.534+/-1.676 χ^2/NDF: 588995.9/22

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 1.142+/-0.498 χ^2/NDF:3.3/4

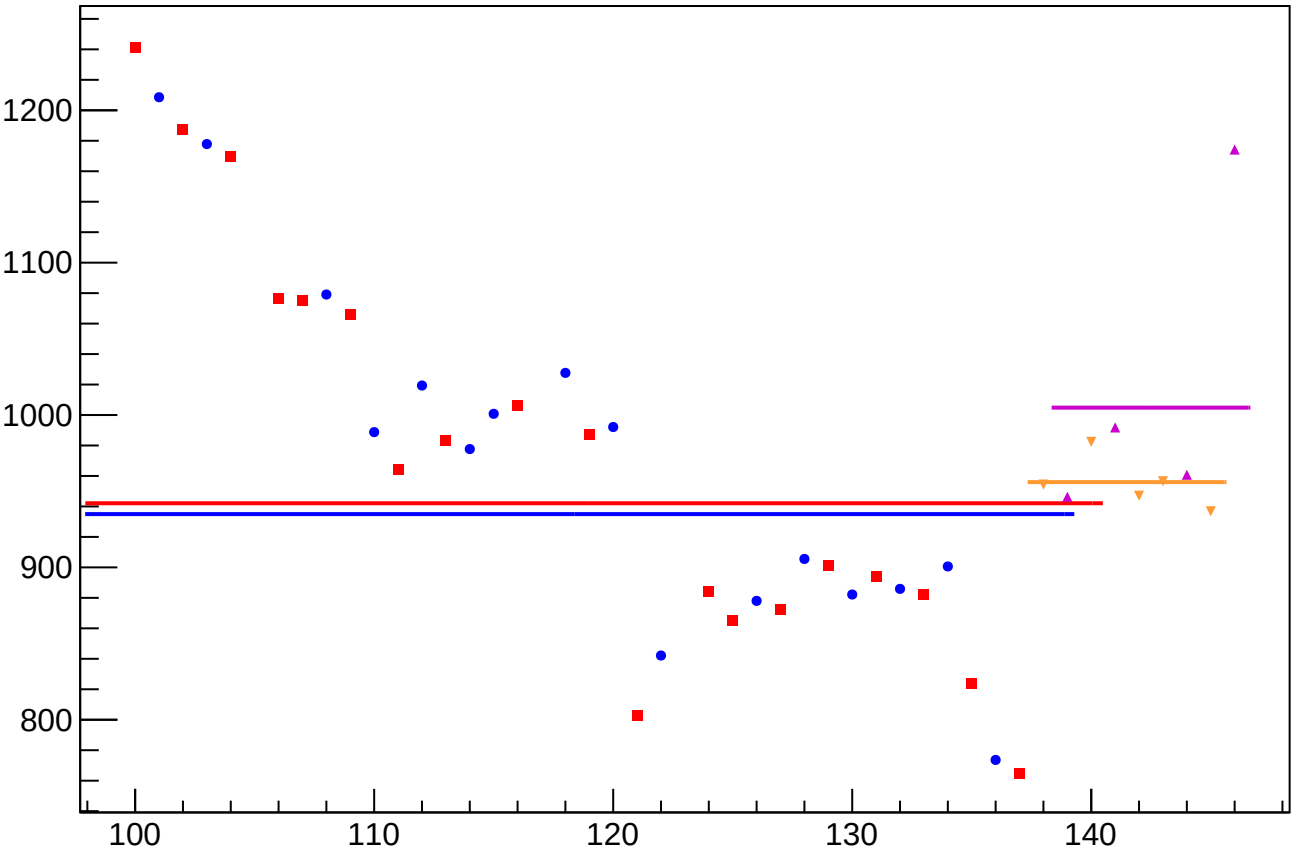
Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: -1.567+/-0.537 χ^2/NDF:7.8/3

+ sign -1.204+/-0.287 χ^2/NDF: 292.2/20

All: 0.275+/-0.204 χ^2/NDF: 660.3/43

- sign 1.801+/-0.291 χ^2/NDF: 314.0/22



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 955.969+/-0.352 χ^2/NDF:1982.2/4

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

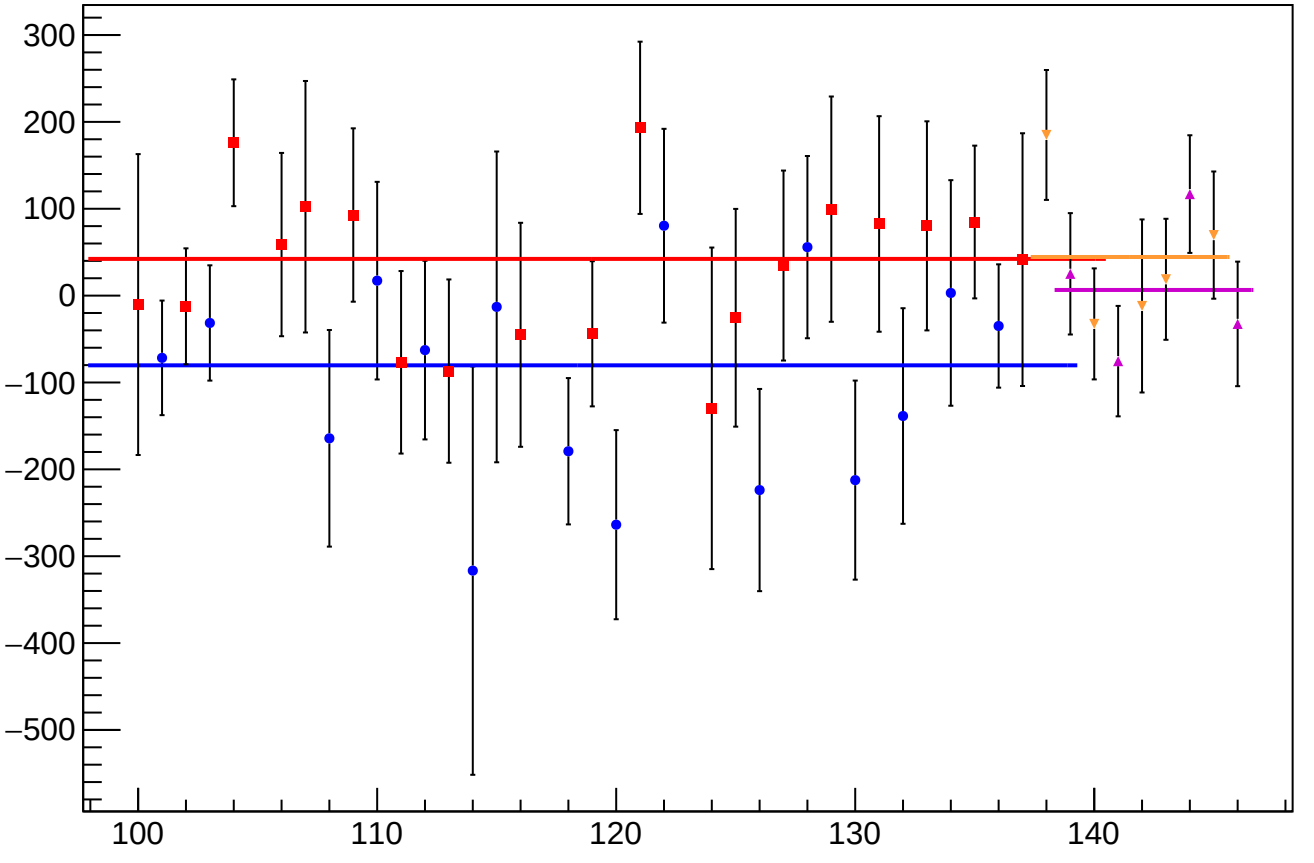
Left In: 1004.849+/-0.380 χ^2/NDF:47761.4/3

+ sign 941.935+/-0.203 χ^2/NDF: 258725.3/20

All: 951.086+/-0.144 χ^2/NDF: 562369.6/43

- sign 960.529+/-0.206 χ^2/NDF: 299499.2/22

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 44.460+/-33.022 χ^2/NDF:5.6/4

Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

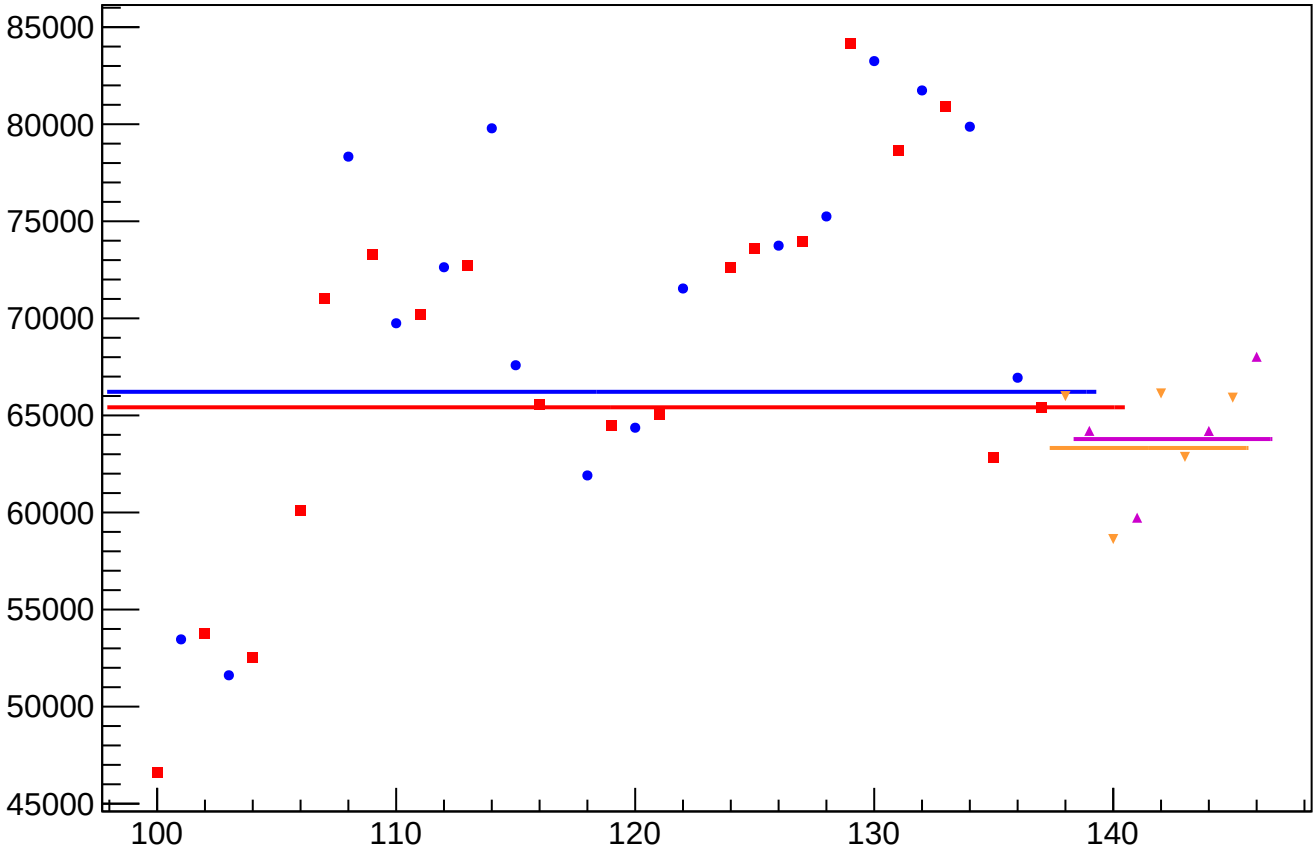
Left In: 6.512+/-34.003 χ^2/NDF:4.7/3

+ sign -35.024+/-19.886 χ^2/NDF: 29.4/20

All: -2.043+/-13.990 χ^2/NDF: 53.3/43

- sign 30.280+/-19.686 χ^2/NDF: 18.4/22

diff_bpm0r03X_rms vs Slug



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 63323.595+/-23.350 χ^2/NDF:17511.5/4

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

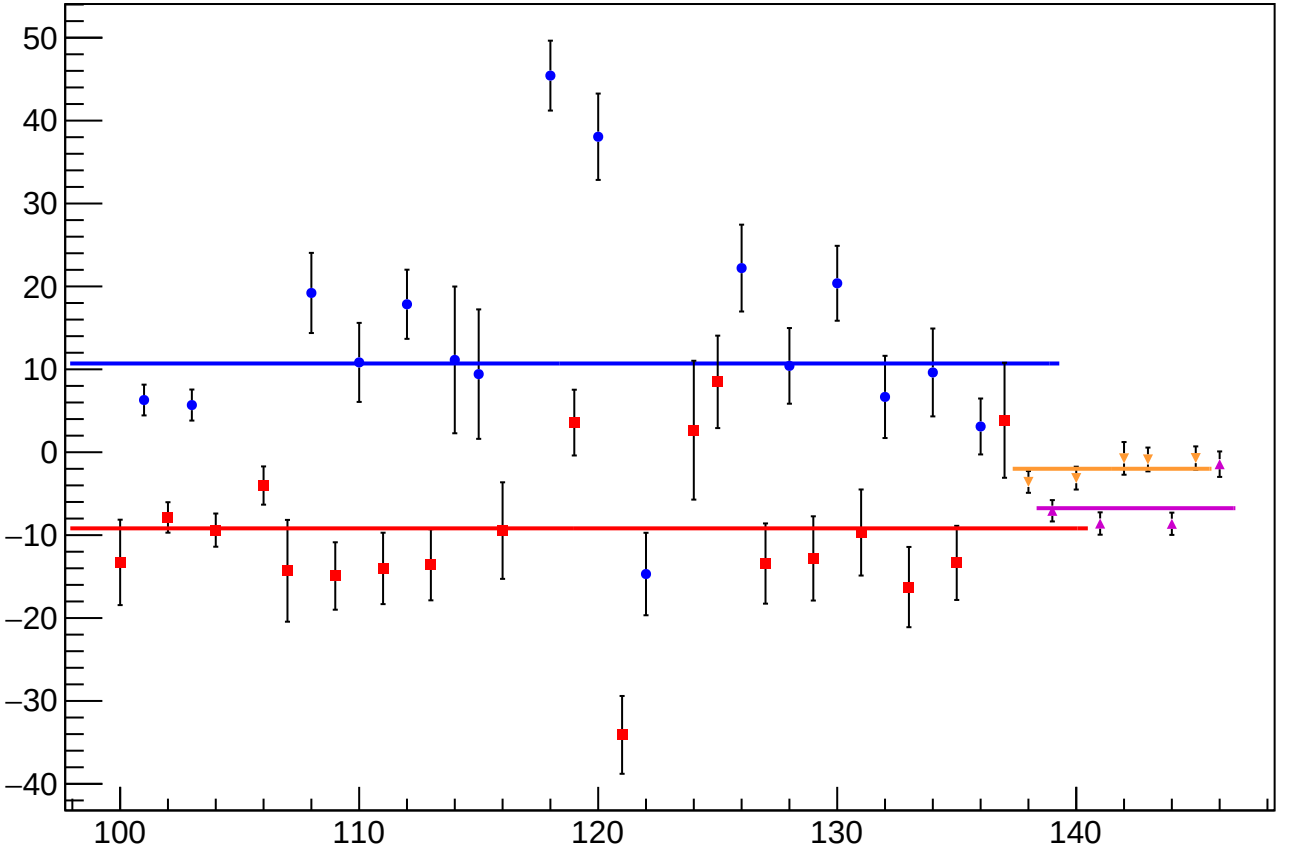
Left In: 63782.796+/-24.044 χ^2/NDF:15256.7/3

+ sign 65167.144+/-14.061 χ^2/NDF: 365669.5/20

All: 65017.201+/-9.893 χ^2/NDF: 688784.1/43

- sign 64870.250+/-13.920 χ^2/NDF: 322889.5/22

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -1.995+/-0.652 χ^2/NDF:4.0/4

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

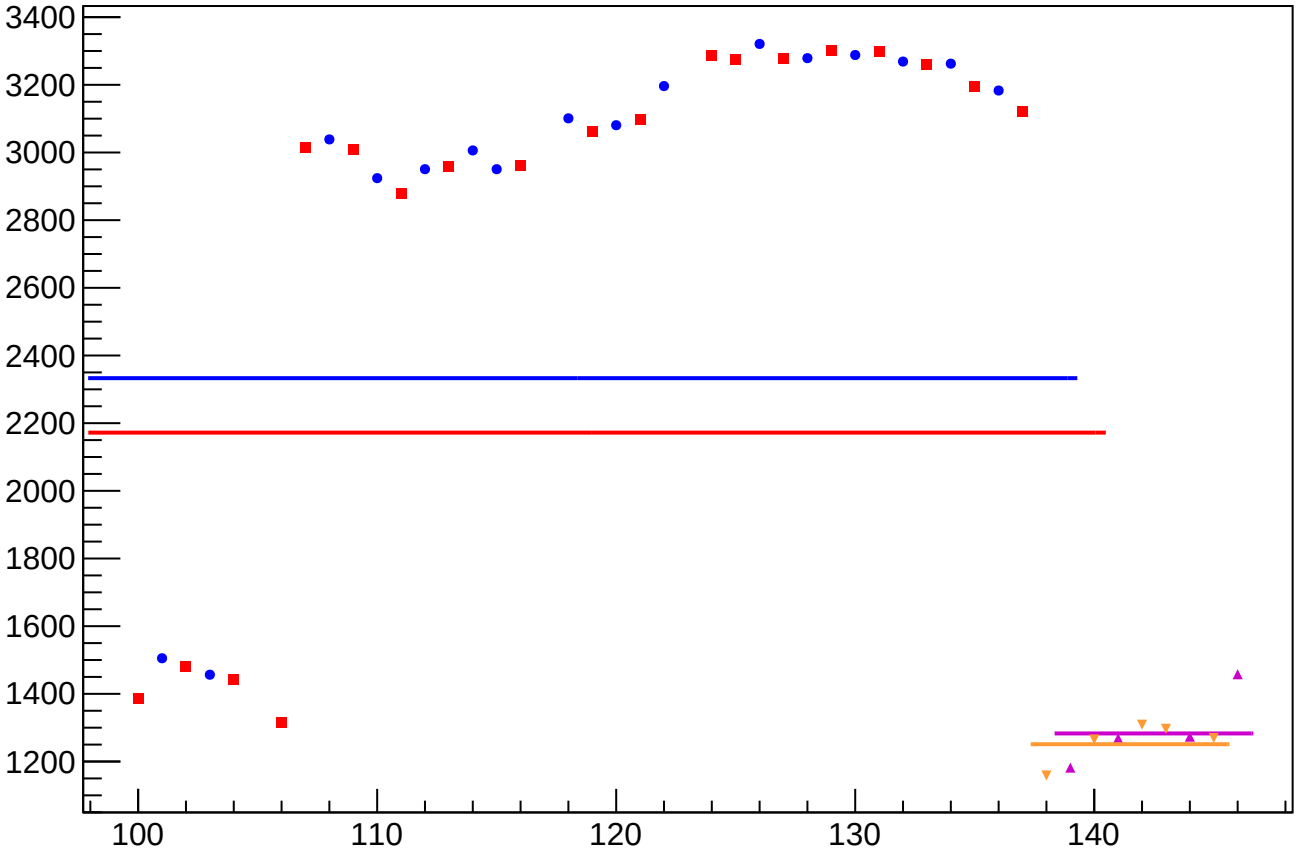
Left In: -6.750+/-0.685 χ^2/NDF:15.8/3

+ sign 2.248+/-0.532 χ^2/NDF: 286.3/20

All: -2.717+/-0.377 χ^2/NDF: 551.2/43

- sign -7.707+/-0.533 χ^2/NDF: 90.4/22

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1251.102+/-0.461 χ^2/NDF:14190.5/4

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

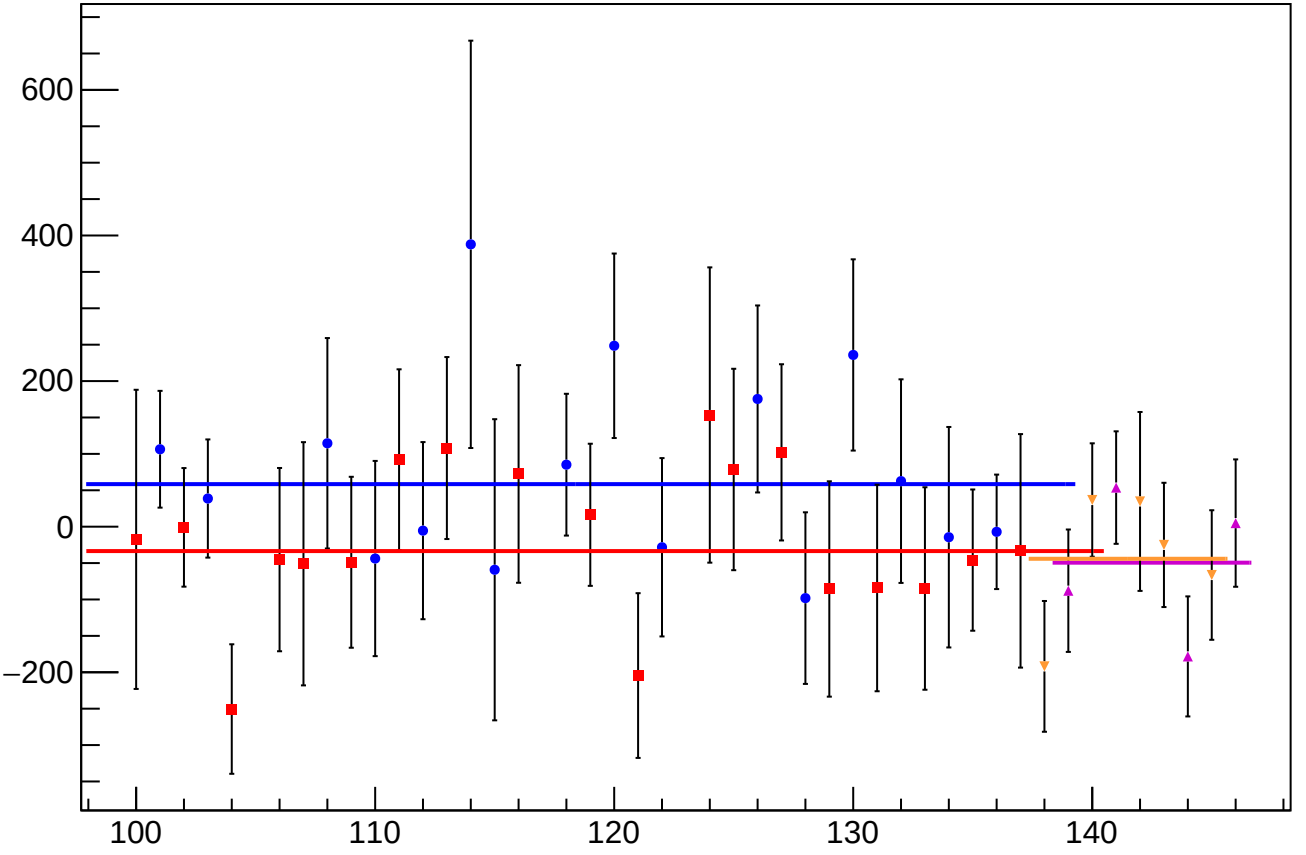
Left In: 1282.967+/-0.484 χ^2/NDF:38571.2/3

+ sign 1612.552+/-0.376 χ^2/NDF: 3505290.3/20

All: 1622.732+/-0.266 χ^2/NDF: 6855838.6/43

- sign 1632.962+/-0.377 χ^2/NDF: 3349080.7/22

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -44.092+/-40.206 χ^2/NDF:4.3/4

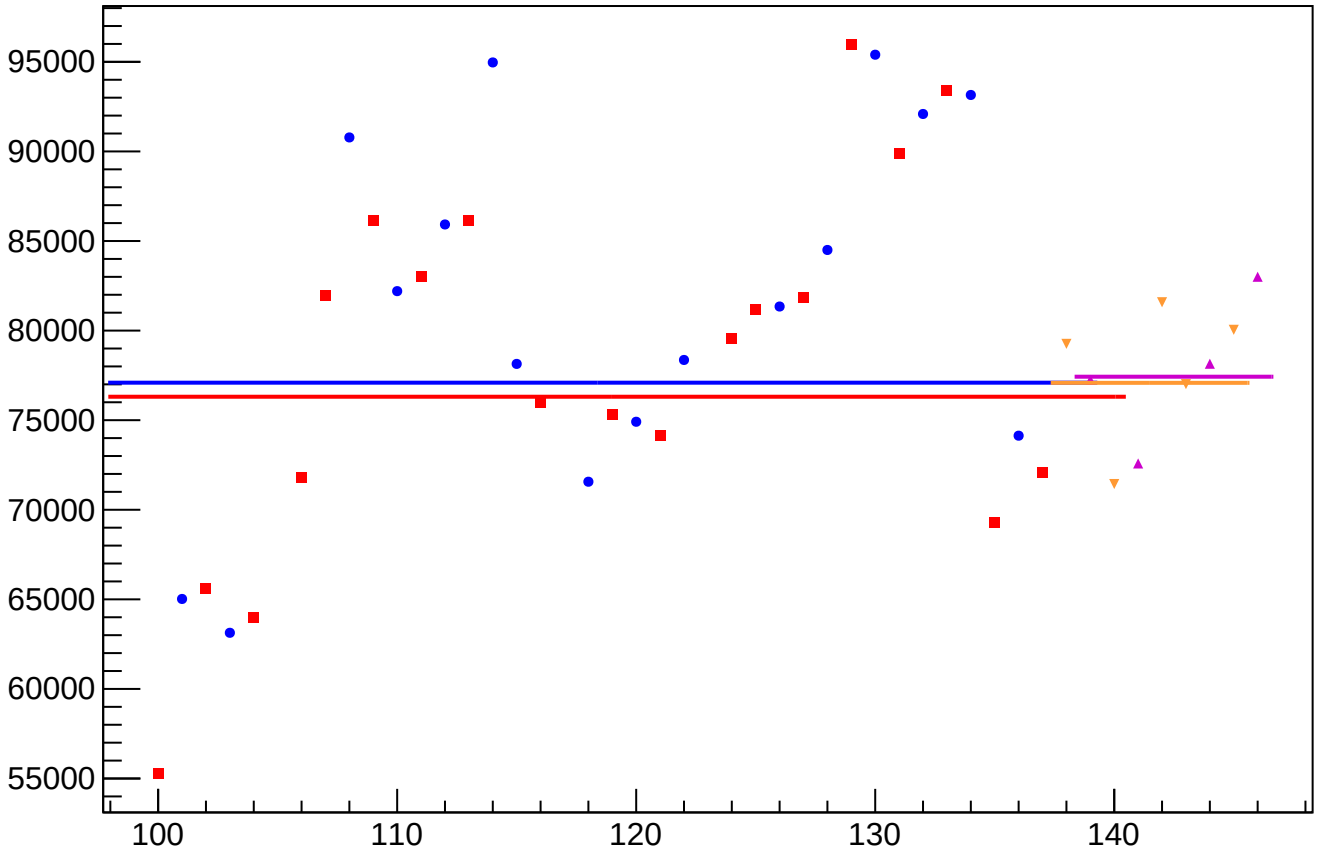
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -49.451+/-41.287 χ^2/NDF:4.8/3

+ sign 23.487+/-23.476 χ^2/NDF: 19.9/20

All: -7.862+/-16.514 χ^2/NDF: 43.0/43

- sign -38.565+/-23.233 χ^2/NDF: 19.6/22



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 77084.364+/-28.430 χ^2/NDF:16586.2/4

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

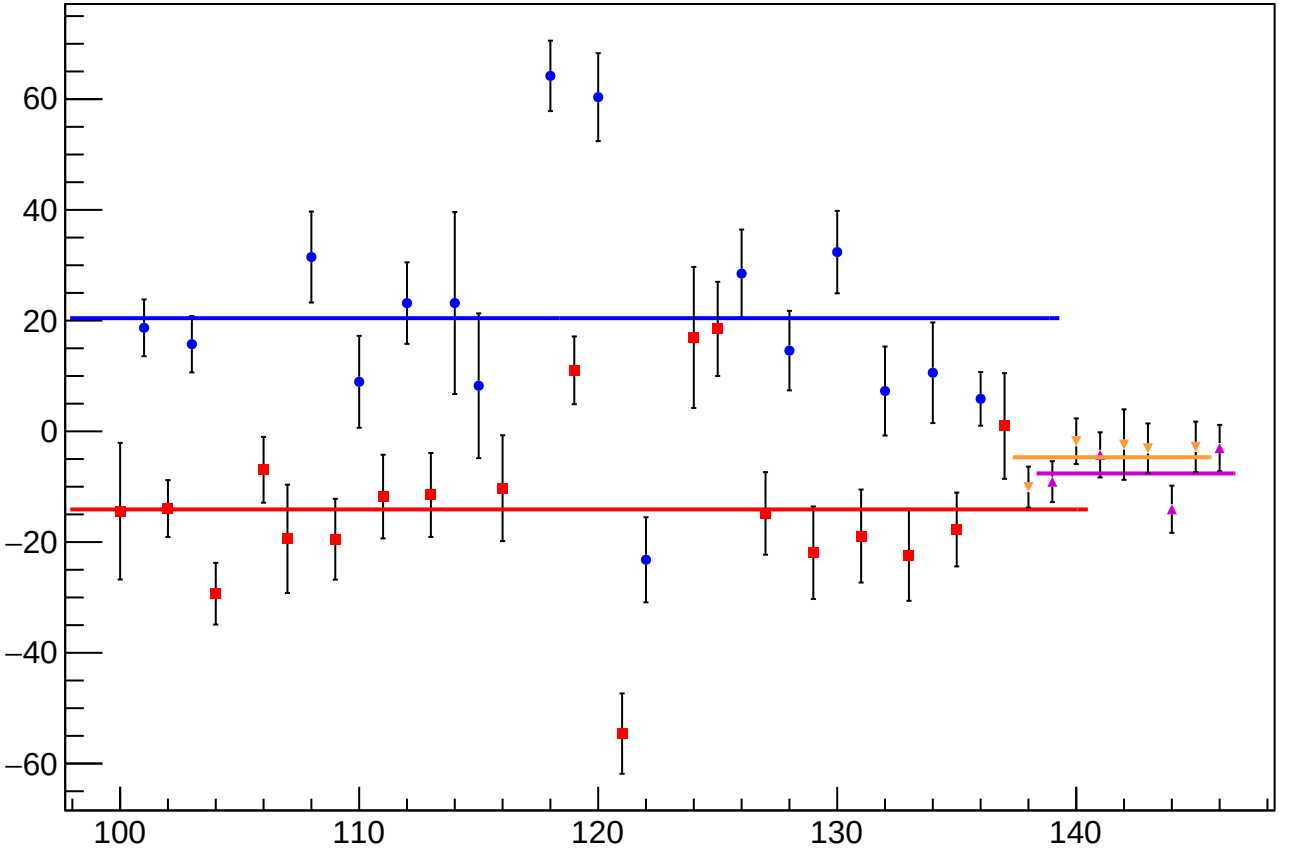
Left In: 77426.616+/-29.194 χ^2/NDF:16147.3/3

+ sign 77090.138+/-16.600 χ^2/NDF: 265129.0/20

All: 76874.202+/-11.677 χ^2/NDF: 517046.5/4

- sign 76662.712+/-16.428 χ^2/NDF: 251582.5/22

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.677+/-1.983 χ^2/NDF:3.0/4

Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

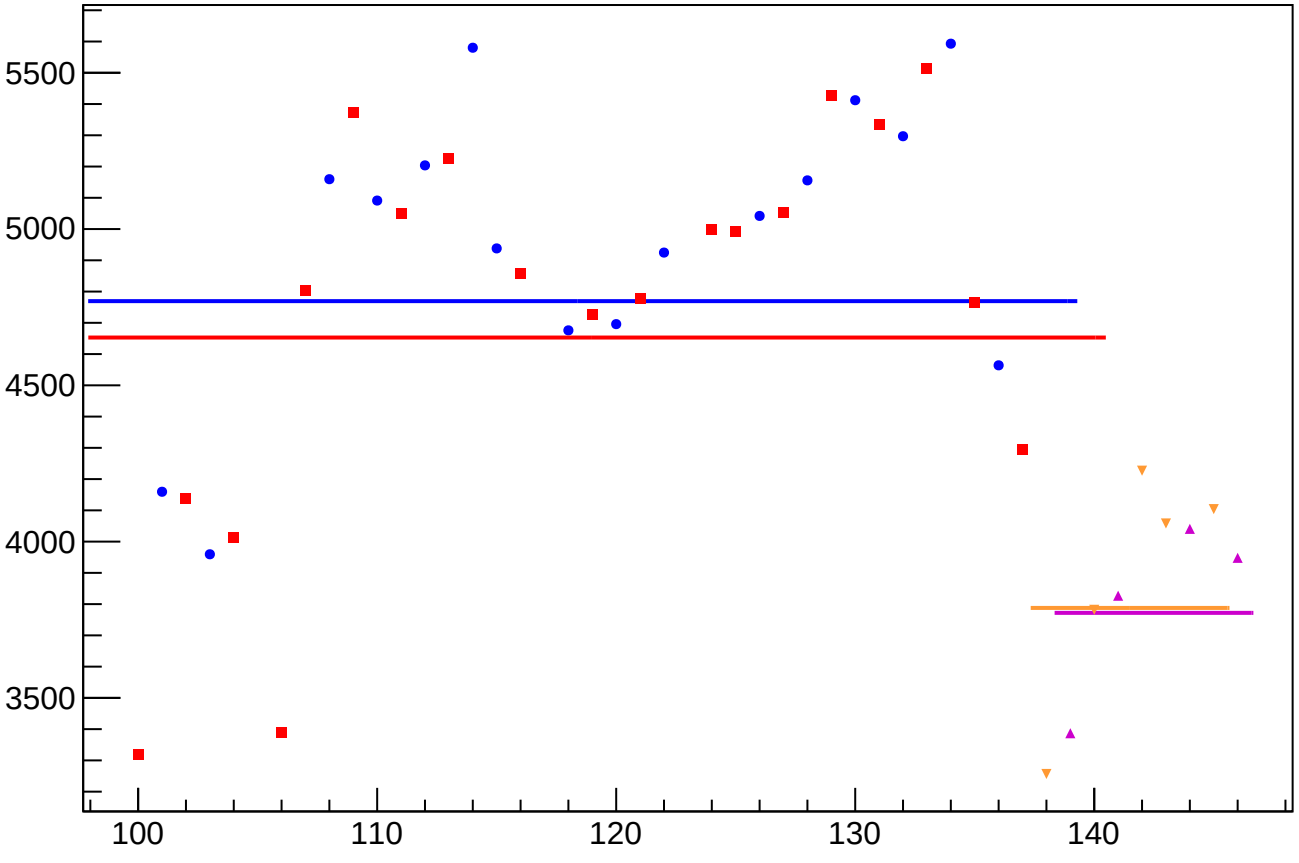
Left In: -7.605+/-2.019 χ^2/NDF:4.3/3

+ sign 9.217+/-1.325 χ^2/NDF: 219.7/20

All: -1.230+/-0.930 χ^2/NDF: 436.3/43

- sign -11.381+/-1.306 χ^2/NDF: 94.1/22

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3787.832+/-1.402 χ^2/NDF:67804.4/4

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

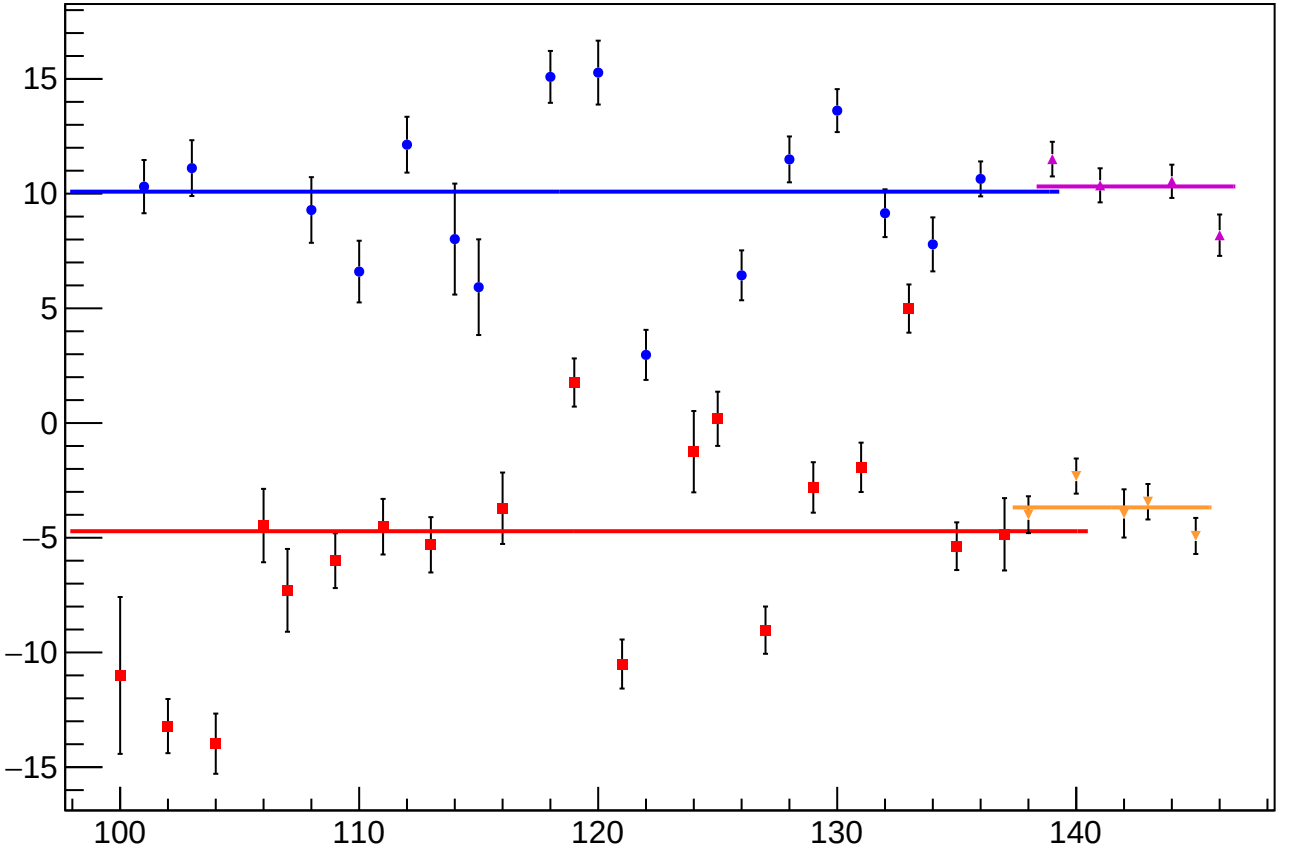
Left In: 3772.034+/-1.427 χ^2/NDF:33540.9/3

+ sign 4330.771+/-0.937 χ^2/NDF: 490636.0/20

All: 4307.036+/-0.658 χ^2/NDF: 1011923.6/43

- sign 4283.975+/-0.924 χ^2/NDF: 520022.9/22

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.678+/-0.366 χ^2/NDF:6.0/4

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

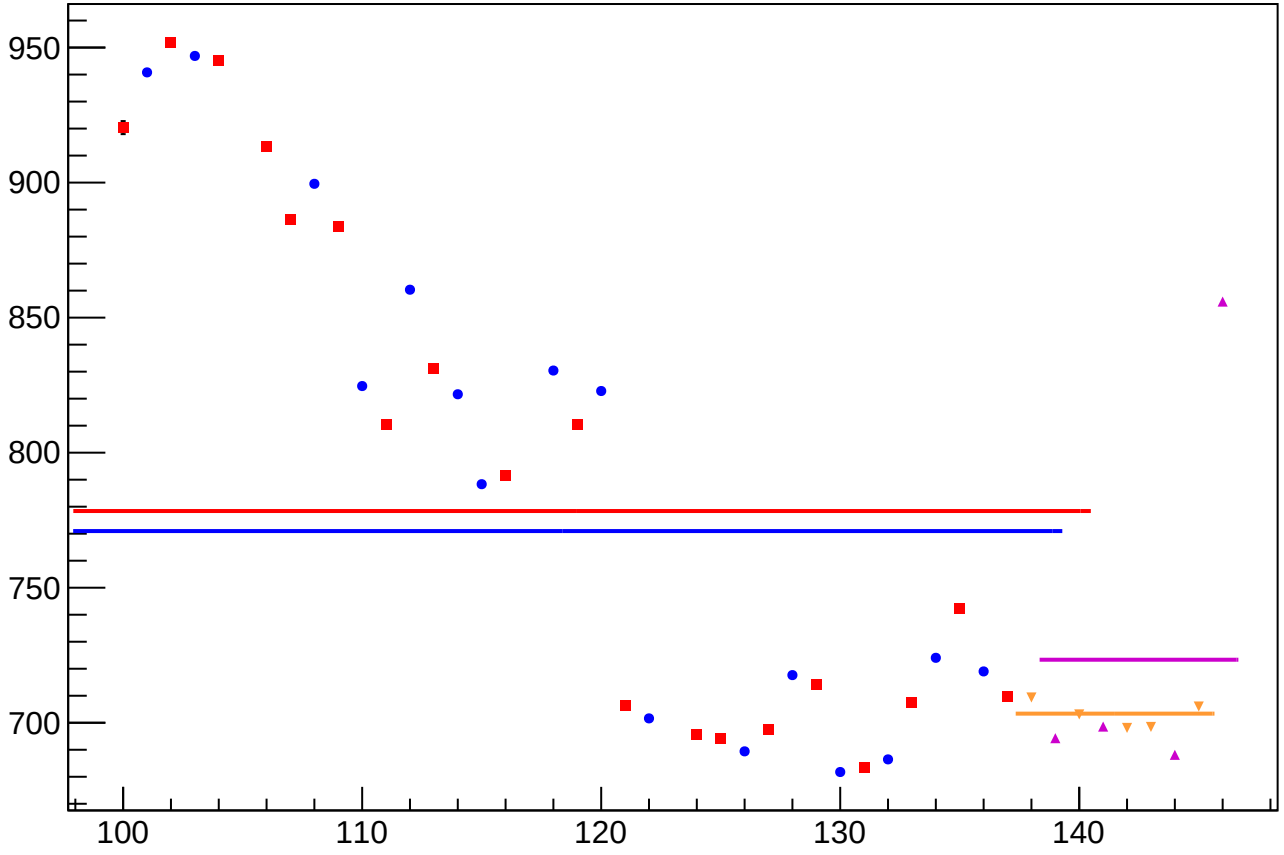
Left In: 10.313+/-0.386 χ^2/NDF:8.1/3

+ sign 4.821+/-0.227 χ^2/NDF: 1001.4/20

All: 2.739+/-0.161 χ^2/NDF: 2468.9/43

- sign 0.599+/-0.230 χ^2/NDF: 1296.4/22

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 703.375+/-0.259 χ^2/NDF:265.5/4

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

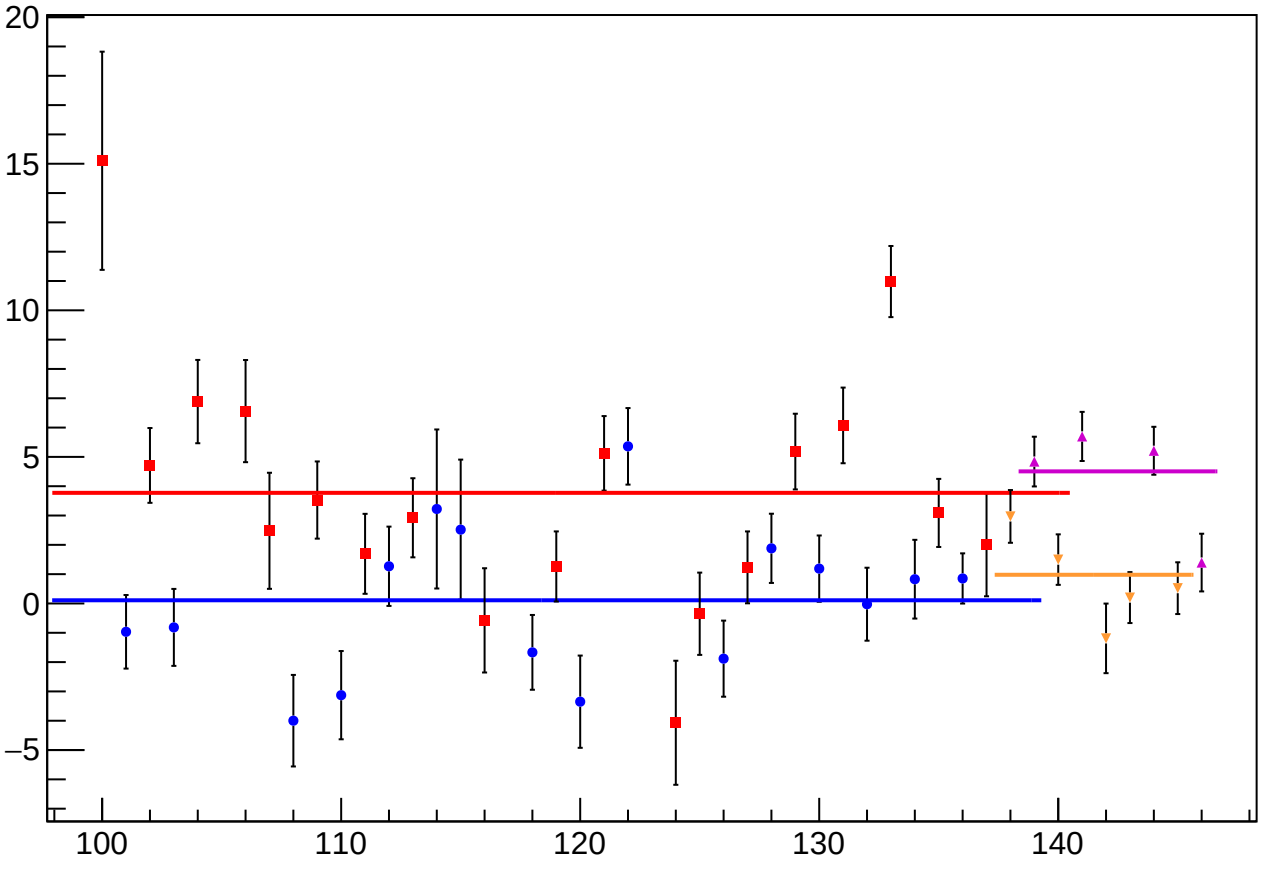
Left In: 723.335+/-0.273 χ^2/NDF:53087.3/3

+ sign 745.116+/-0.160 χ^2/NDF: 235215.1/20

All: 751.925+/-0.114 χ^2/NDF: 514763.8/43

- sign 758.924+/-0.162 χ^2/NDF: 275886.6/22

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.979+/-0.412 χ^2/NDF:9.7/4

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

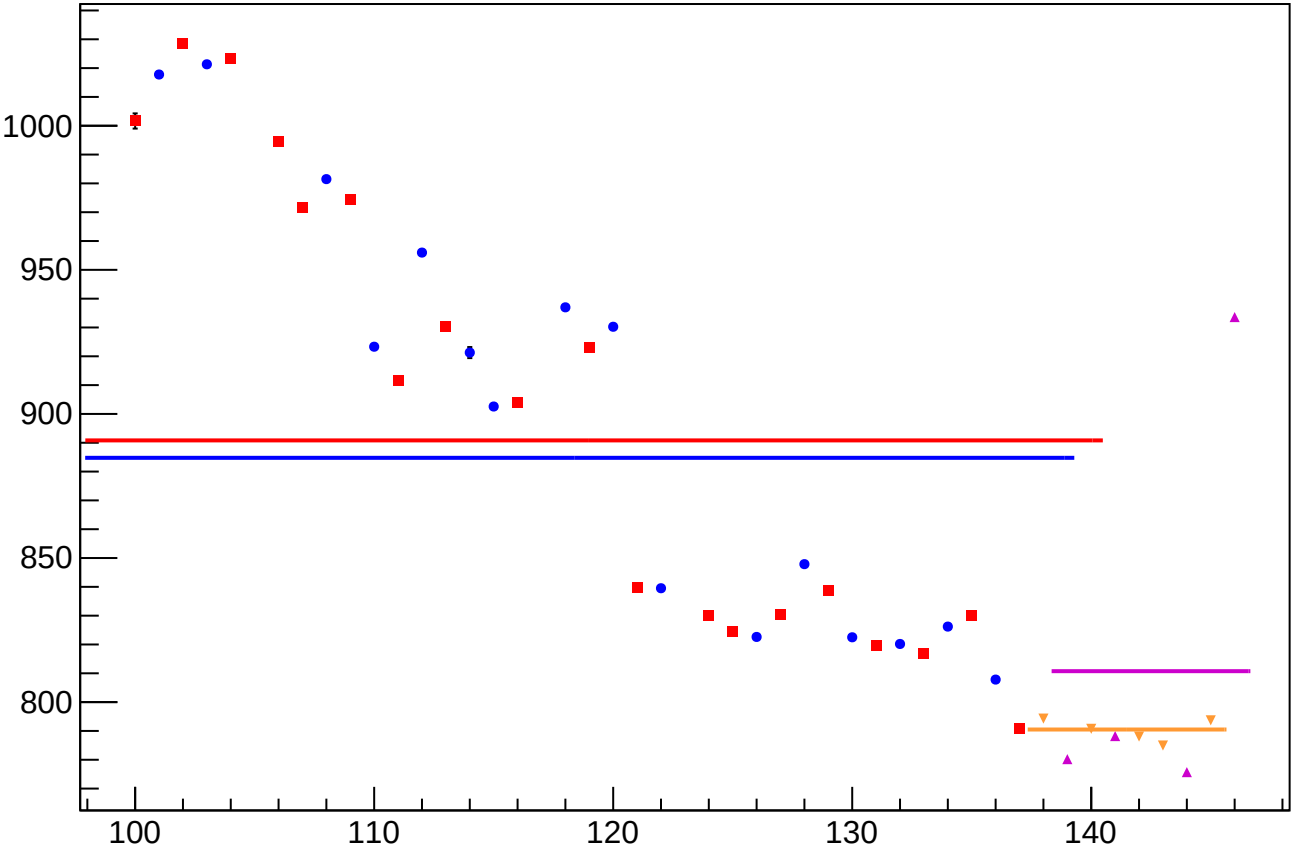
Left In: 4.506+/-0.433 χ^2/NDF:12.9/3

+ sign 0.449+/-0.257 χ^2/NDF: 57.8/20

All: 2.224+/-0.183 χ^2/NDF: 268.2/43

- sign 4.039+/-0.260 χ^2/NDF: 114.3/22

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 790.495+/-0.291 χ^2/NDF:151.7/4

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

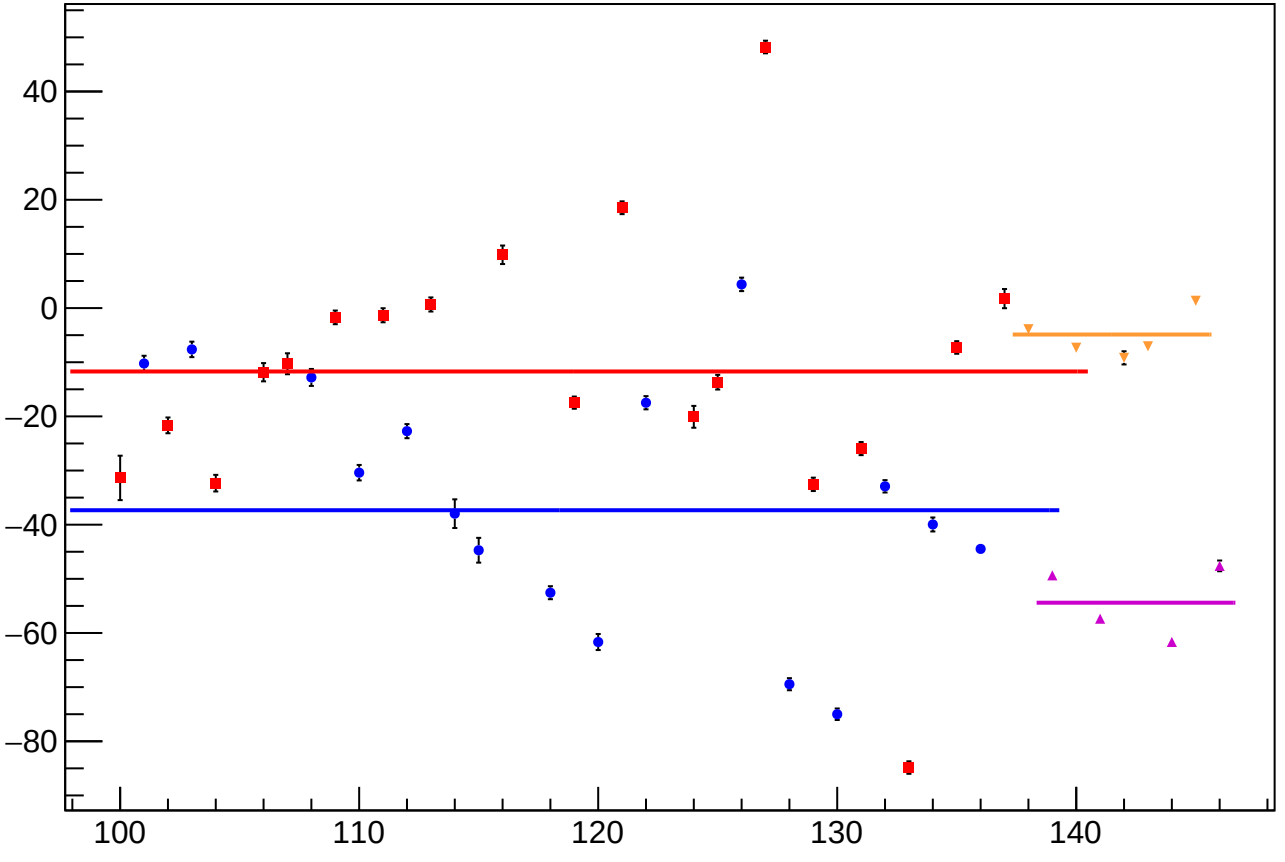
Left In: 810.738+/-0.306 χ^2/NDF:38896.0/3

\+ sign 847.904+/-0.182 χ^2/NDF: 168522.1/20

All: 854.775+/-0.129 χ^2/NDF: 361766.3/43

\- sign 861.804+/-0.184 χ^2/NDF: 190361.6/22

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -4.882+/-0.420 χ^2/NDF:74.3/4

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

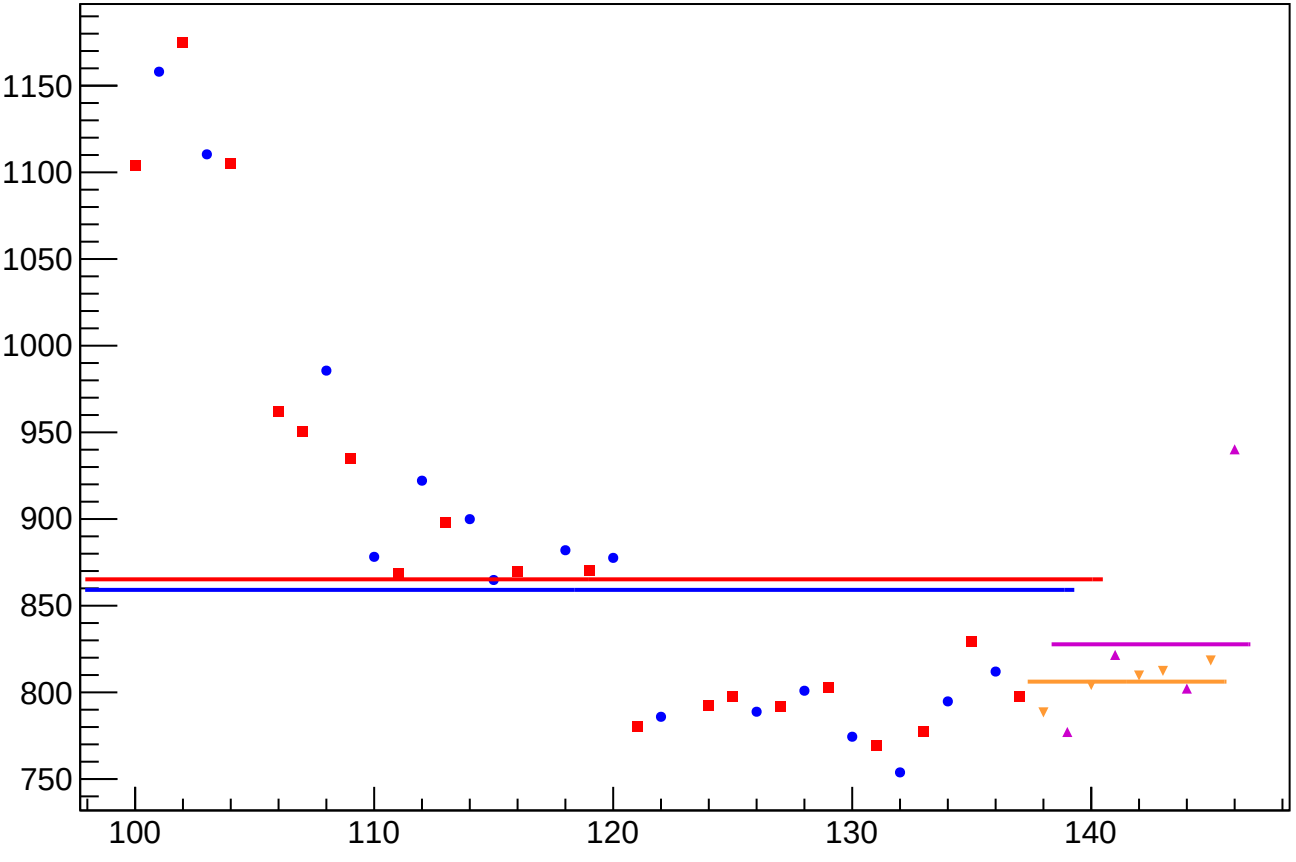
Left In: -54.408+/-0.441 χ^2/NDF:167.8/3

+ sign -25.320+/-0.255 χ^2/NDF: 9023.8/20

All: -25.799+/-0.181 χ^2/NDF: 23823.5/43

- sign -26.289+/-0.258 χ^2/NDF: 14792.6/22

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 806.191+/-0.297 χ^2/NDF:1272.0/4

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

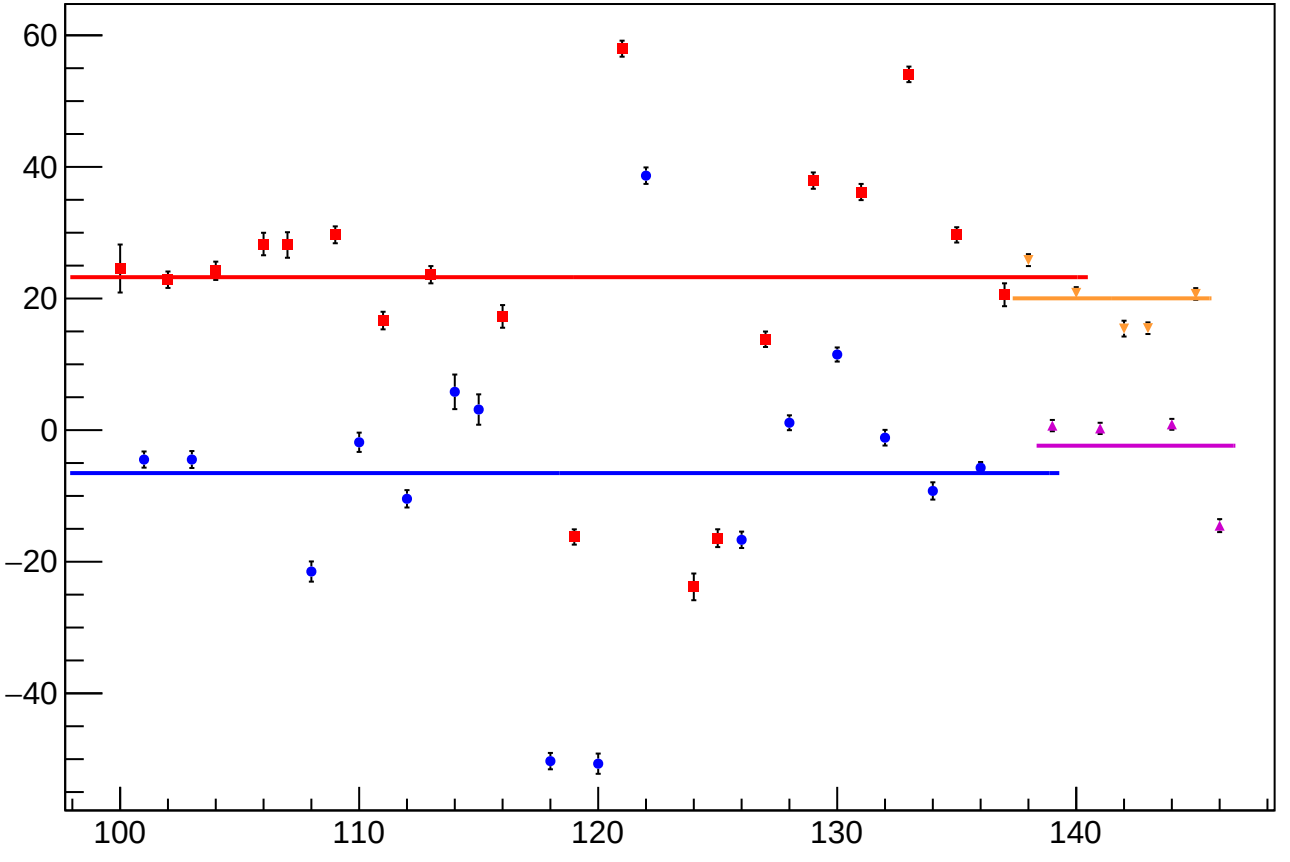
Left In: 827.725+/-0.312 χ^2/NDF:34886.6/3

+ sign 839.533+/-0.181 χ^2/NDF: 250020.7/20

All: 845.906+/-0.128 χ^2/NDF: 520590.8/43

- sign 852.411+/-0.182 χ^2/NDF: 268052.8/22

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 20.026+/-0.417 χ^2/NDF:83.5/4

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

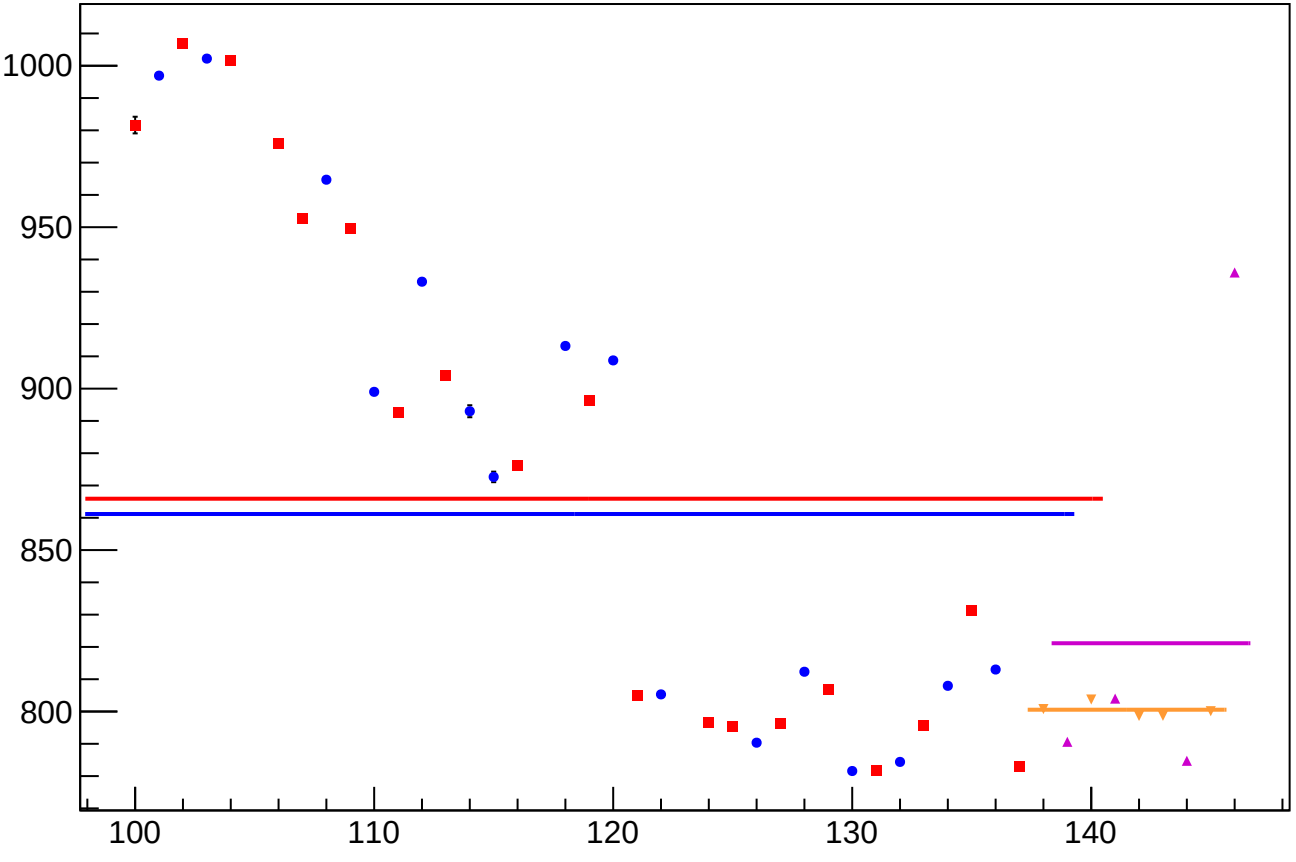
Left In: -2.366+/-0.438 χ^2/NDF:189.1/3

+ sign 3.364+/-0.254 χ^2/NDF: 6576.0/20

All: 8.850+/-0.181 χ^2/NDF: 14417.2/43

- sign 14.439+/-0.257 χ^2/NDF: 6902.7/22

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 800.557+/-0.295 χ^2/NDF:41.1/4

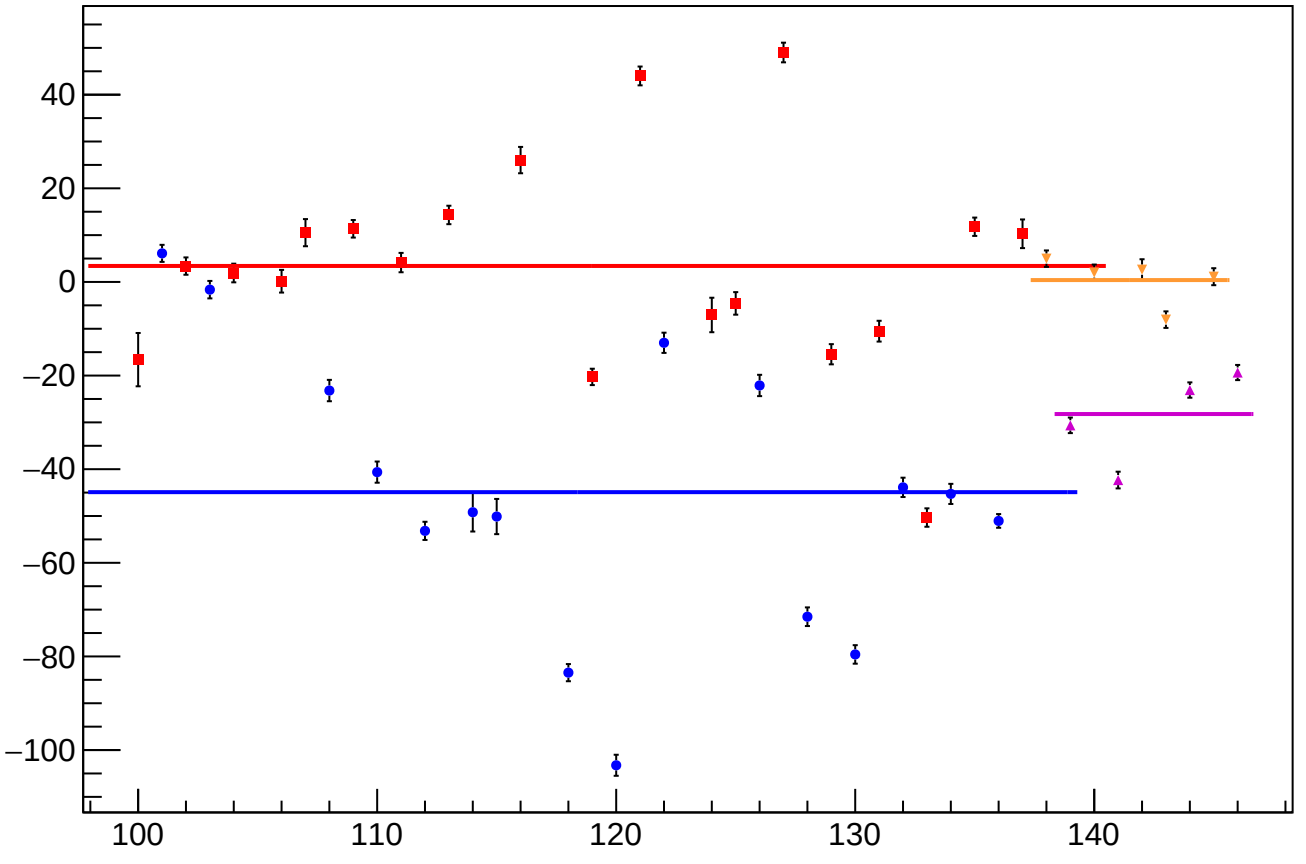
Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 821.145+/-0.310 χ^2/NDF:34308.4/3

+ sign 838.589+/-0.180 χ^2/NDF: 140104.8/20

All: 844.497+/-0.128 χ^2/NDF: 308717.6/43

- sign 850.517+/-0.182 χ^2/NDF: 166435.1/22



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: 0.399+/-0.818 χ^2/NDF:31.7/4

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

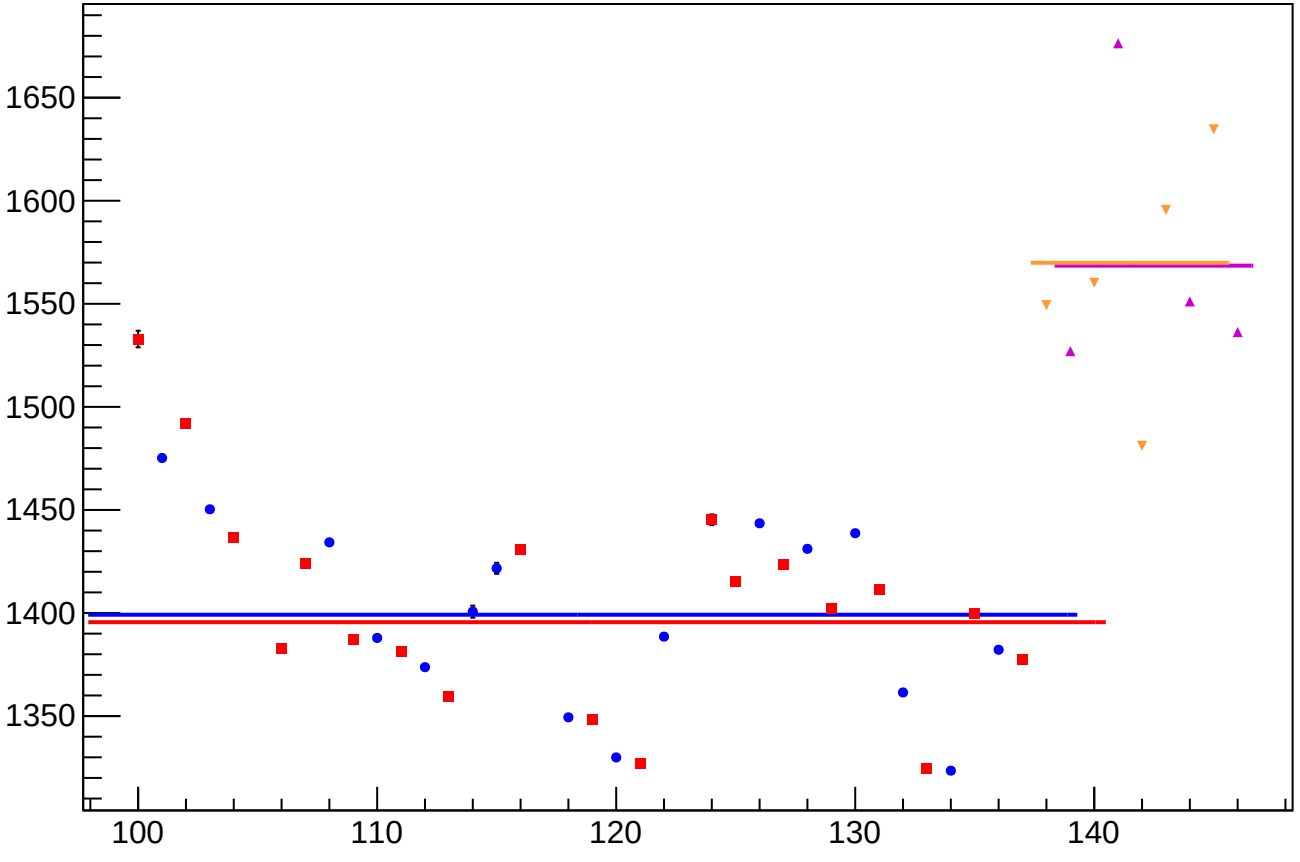
Left In: -28.218+/-0.836 χ^2/NDF:104.1/3

+ sign -31.864+/-0.439 χ^2/NDF: 5595.1/20

All: -18.384+/-0.309 χ^2/NDF: 10716.9/43

- sign -5.140+/-0.435 χ^2/NDF: 3250.3/22

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1569.908+/-0.578 χ^2/NDF:6474.3/4

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

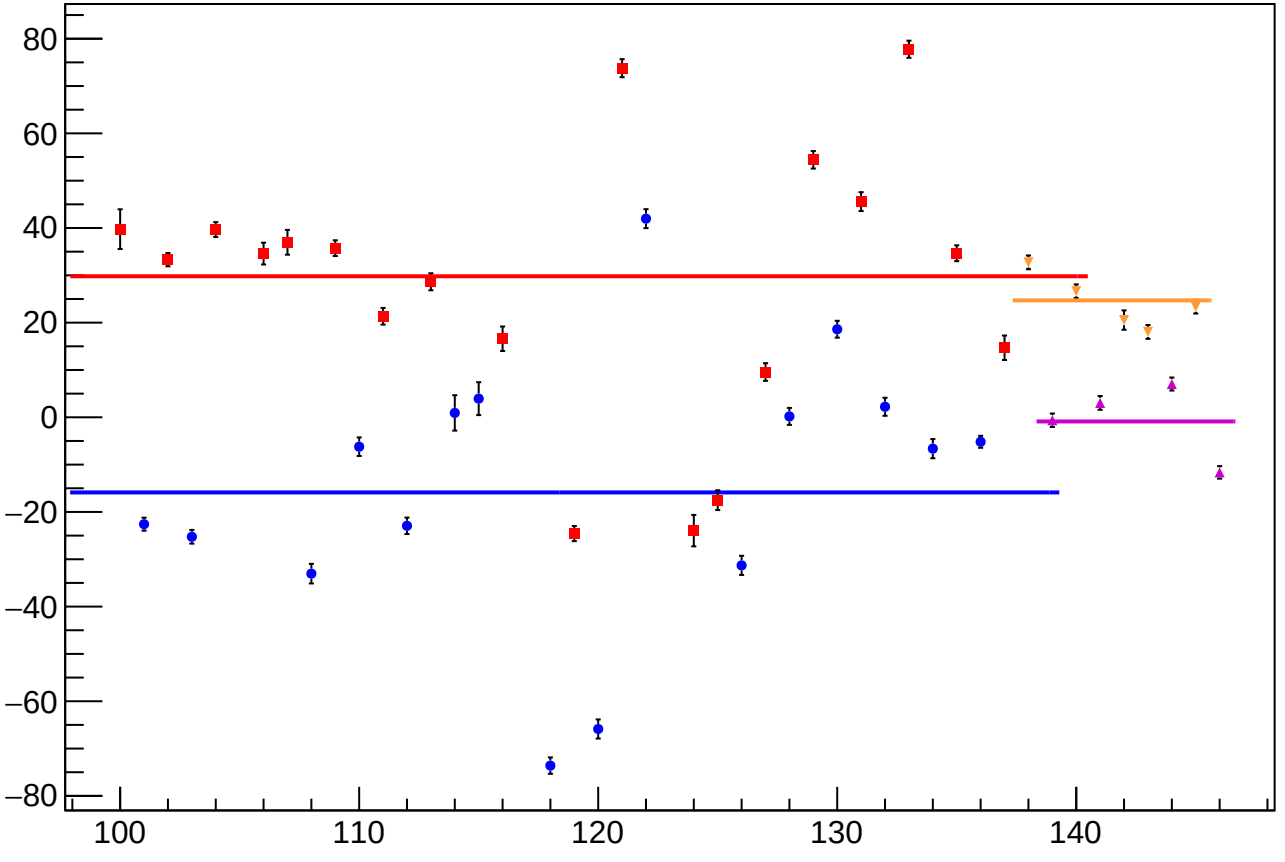
Left In: 1568.508+/-0.591 χ^2/NDF:9551.6/3

+ sign 1448.318+/-0.310 χ^2/NDF: 83406.5/20

All: 1445.295+/-0.218 χ^2/NDF: 171808.3/43

- sign 1442.325+/-0.308 χ^2/NDF: 88213.6/22

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 24.704+/-0.685 χ^2/NDF:58.0/4

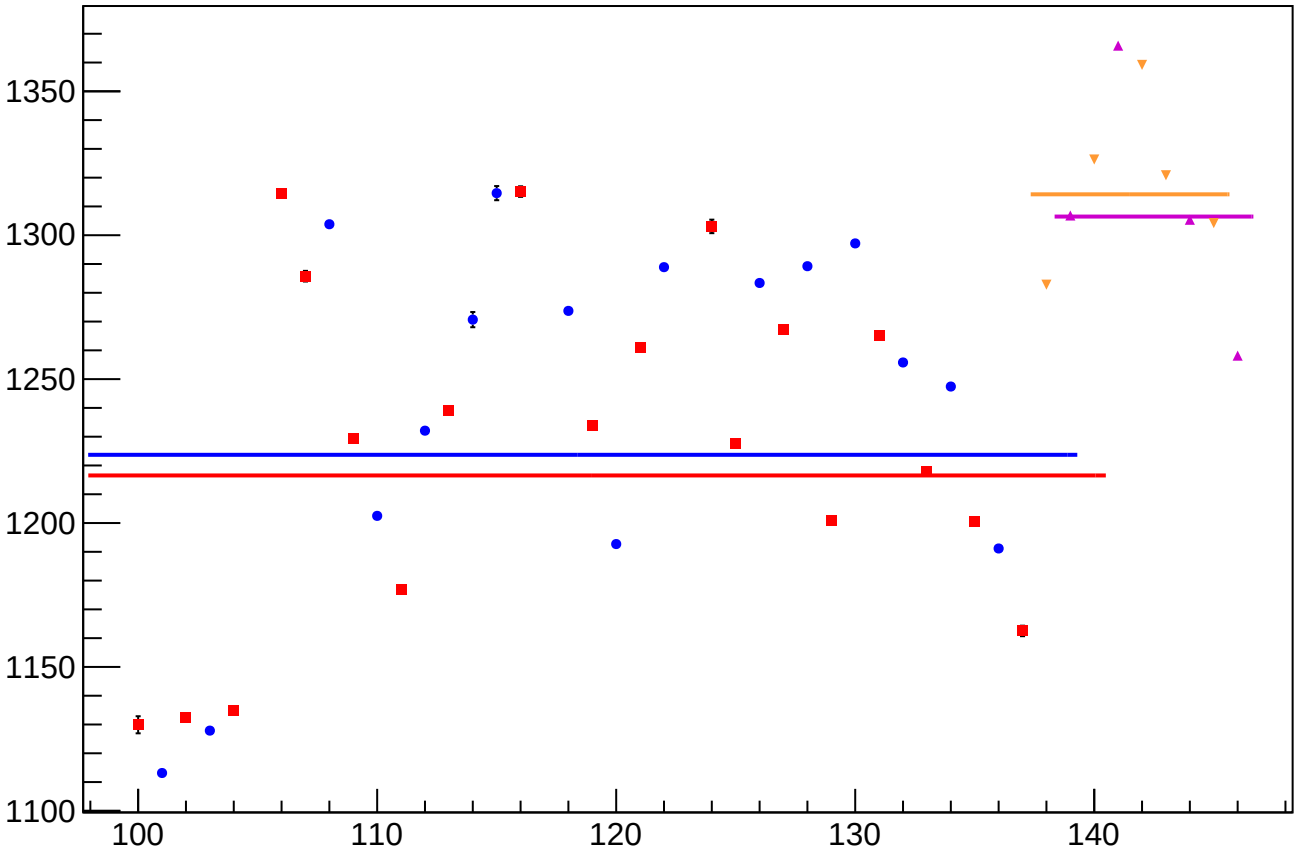
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -0.877+/-0.696 χ^2/NDF:106.1/3

+ sign -3.434+/-0.379 χ^2/NDF: 5972.7/20

All: 8.890+/-0.266 χ^2/NDF: 13228.0/43

- sign 20.925+/-0.375 χ^2/NDF: 5166.3/22



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1314.212+/-0.484 χ^2/NDF:2173.0/4

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

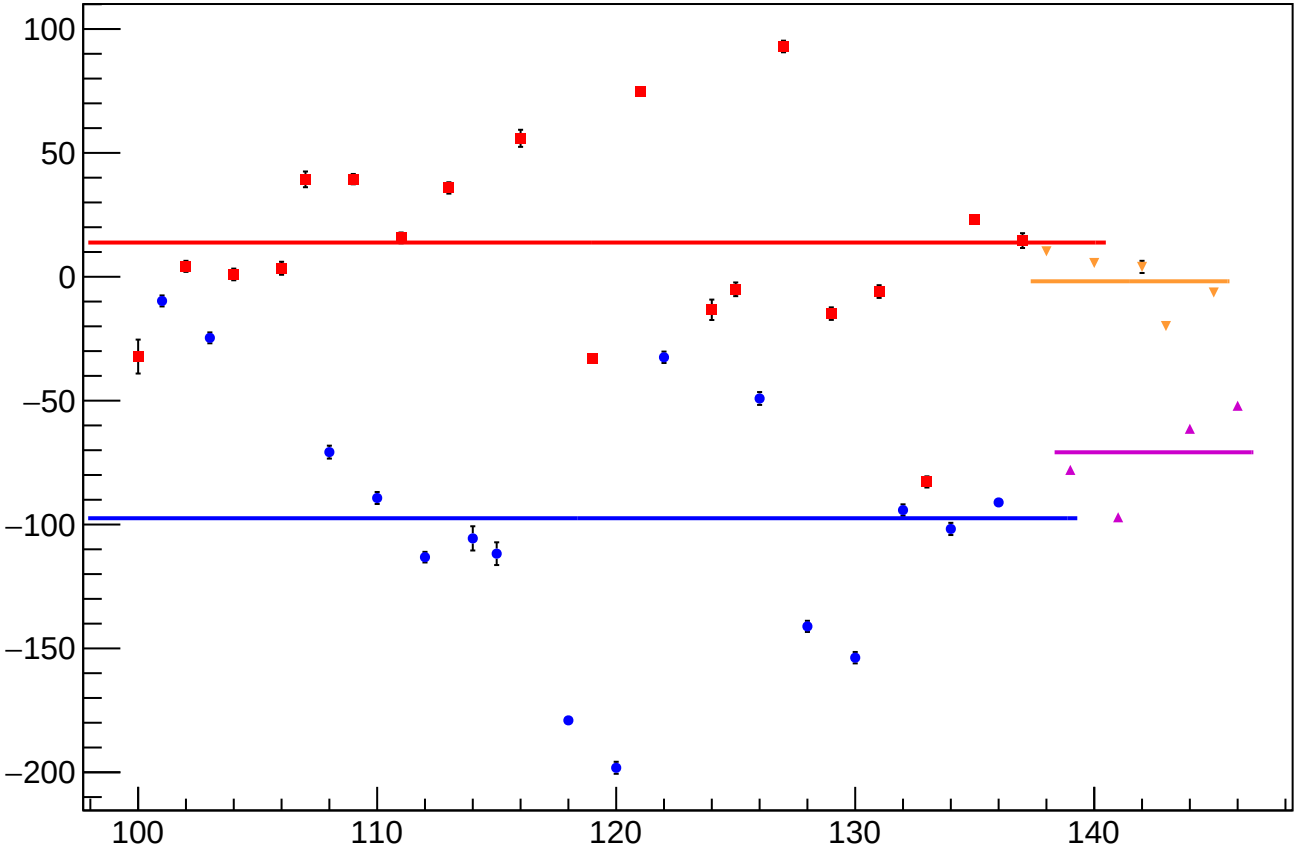
Left In: 1306.483+/-0.492 χ^2/NDF:5978.0/3

+ sign 1251.457+/-0.268 χ^2/NDF: 67299.2/20

All: 1246.954+/-0.188 χ^2/NDF: 126925.7/43

- sign 1242.556+/-0.265 χ^2/NDF: 59068.6/22

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -1.823+/-0.846 χ^2/NDF:173.9/4

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

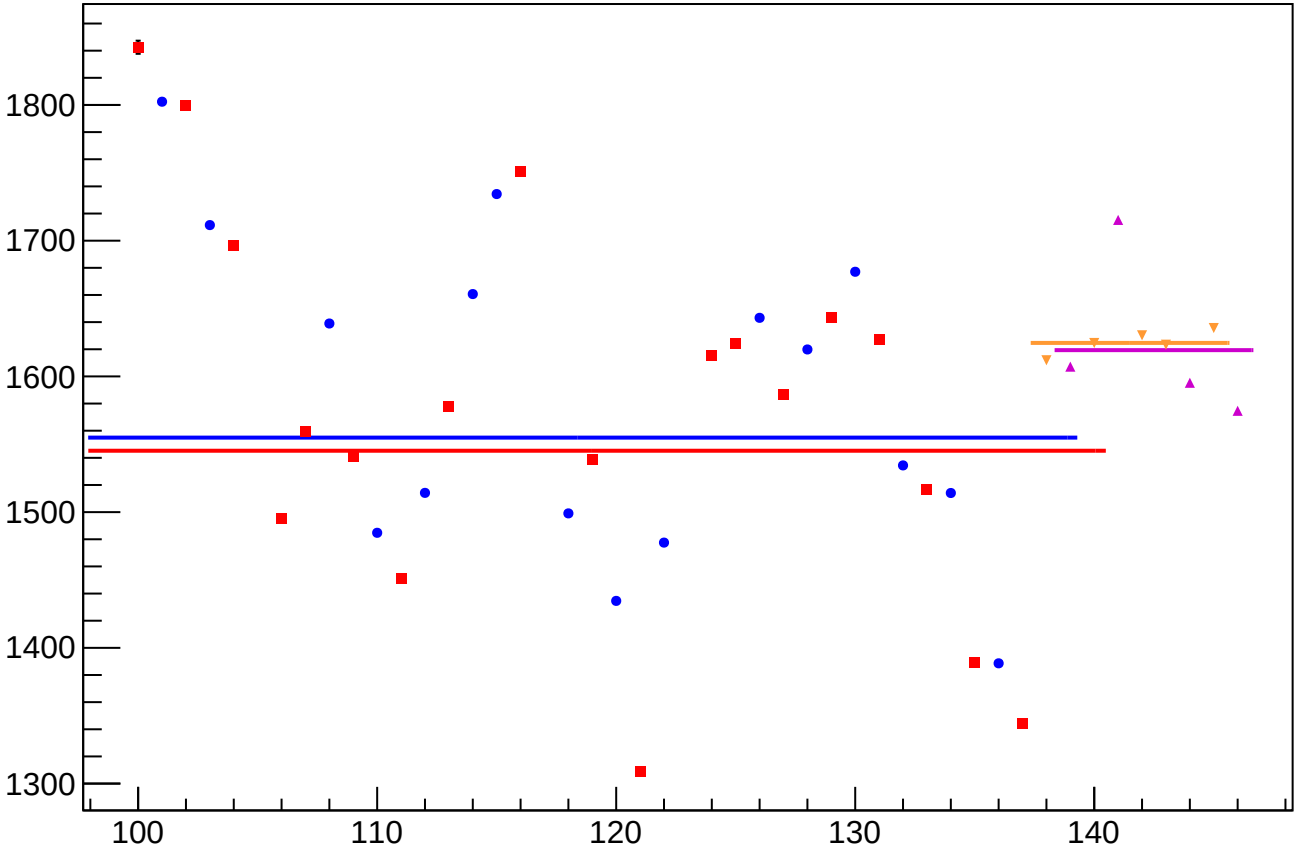
Left In: -70.838+/-0.863 χ^2/NDF:381.9/3

+ sign -66.917+/-0.478 χ^2/NDF: 17172.8/20

All: -38.981+/-0.336 χ^2/NDF: 36395.6/43

- sign -11.615+/-0.473 χ^2/NDF: 12462.2/22

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1624.681+/-0.598 χ^2/NDF:182.4/4

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

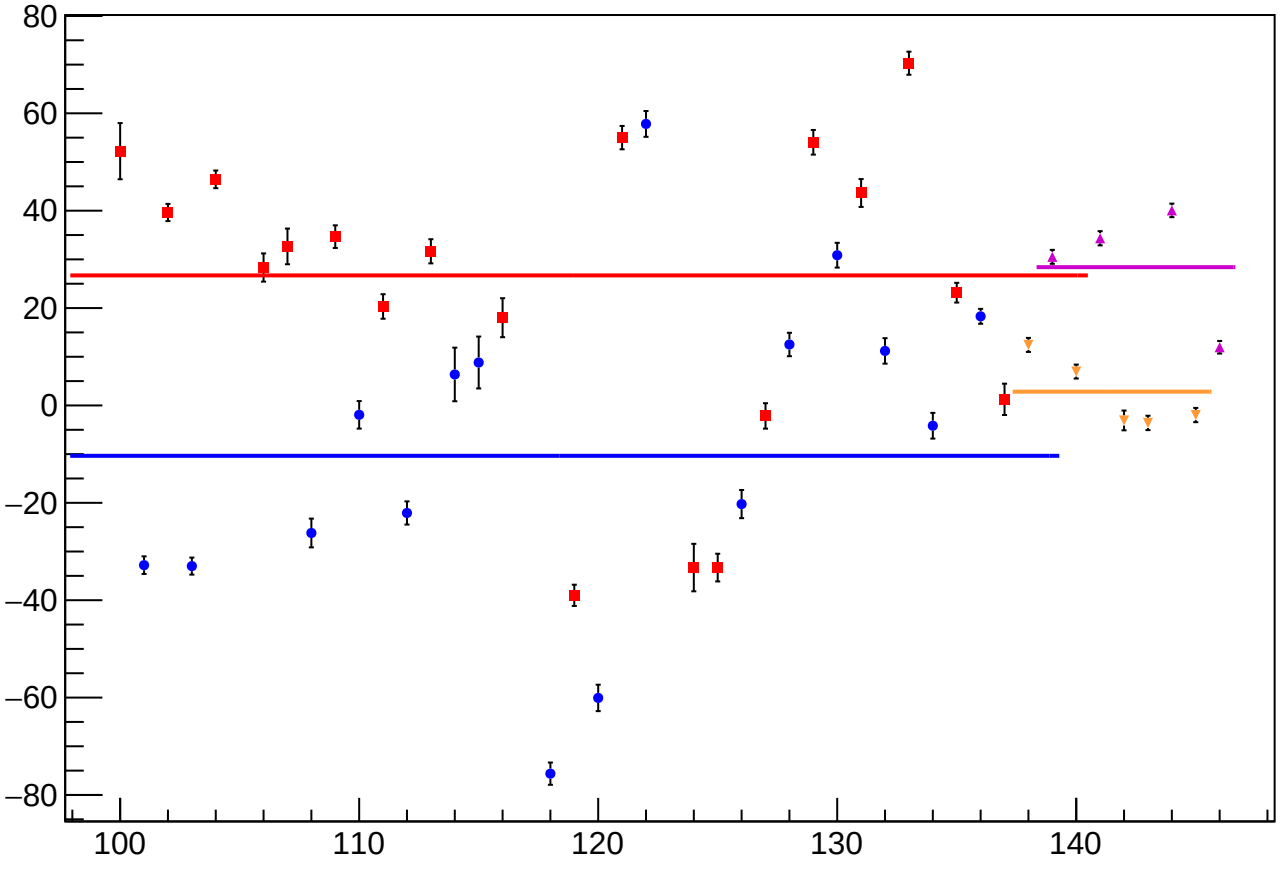
Left In: 1619.352+/-0.610 χ^2/NDF:7458.0/3

+ sign 1577.189+/-0.338 χ^2/NDF: 97363.3/20

All: 1572.296+/-0.238 χ^2/NDF: 224339.4/43

- sign 1567.504+/-0.335 χ^2/NDF: 126561.4/22

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.831+/-0.684 χ^2/NDF:90.7/4

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

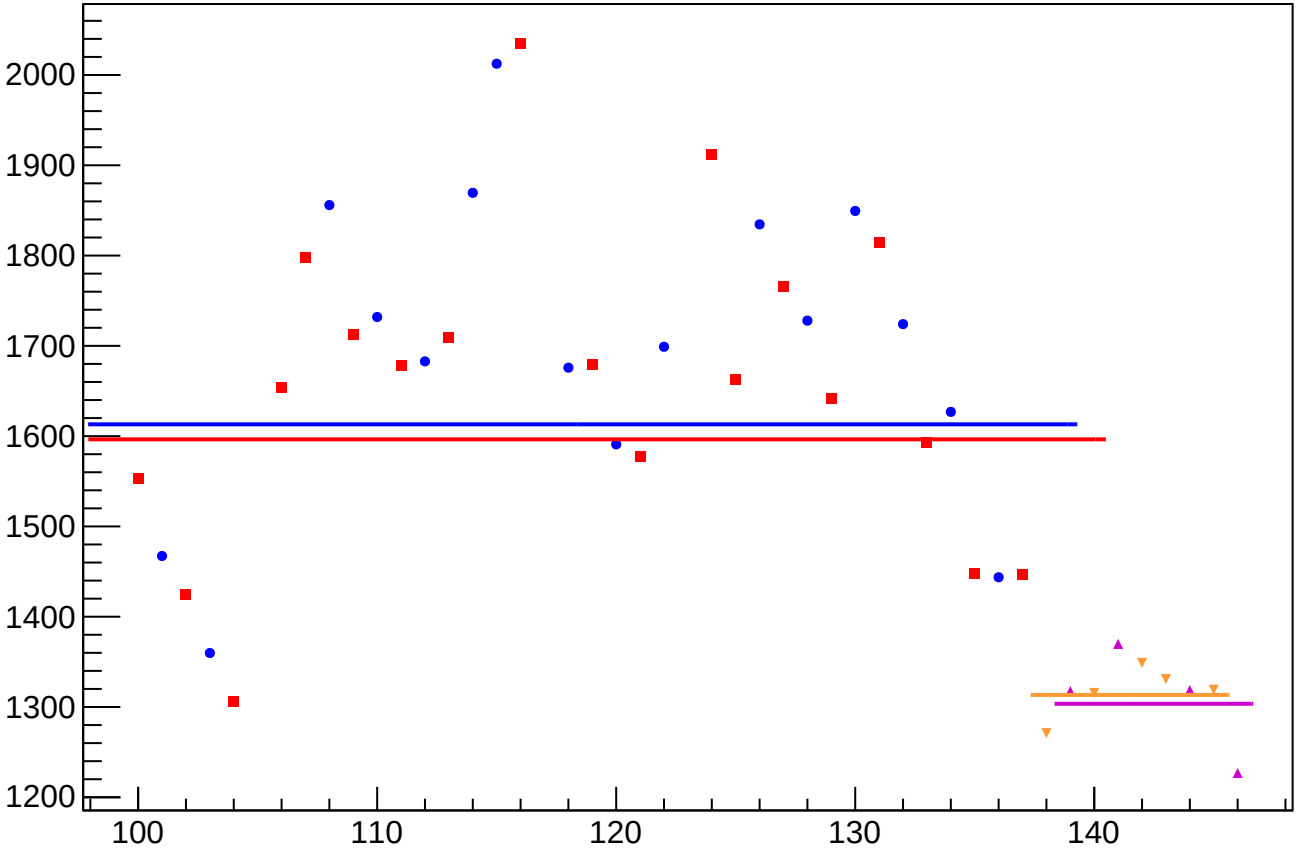
Left In: 28.405+/-0.695 χ^2/NDF:250.3/3

+ sign -4.585+/-0.453 χ^2/NDF: 3306.3/20

All: 11.565+/-0.318 χ^2/NDF: 8624.8/43

- sign 27.414+/-0.448 χ^2/NDF: 2794.5/22

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1313.379+/-0.484 χ^2/NDF:2647.7/4

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

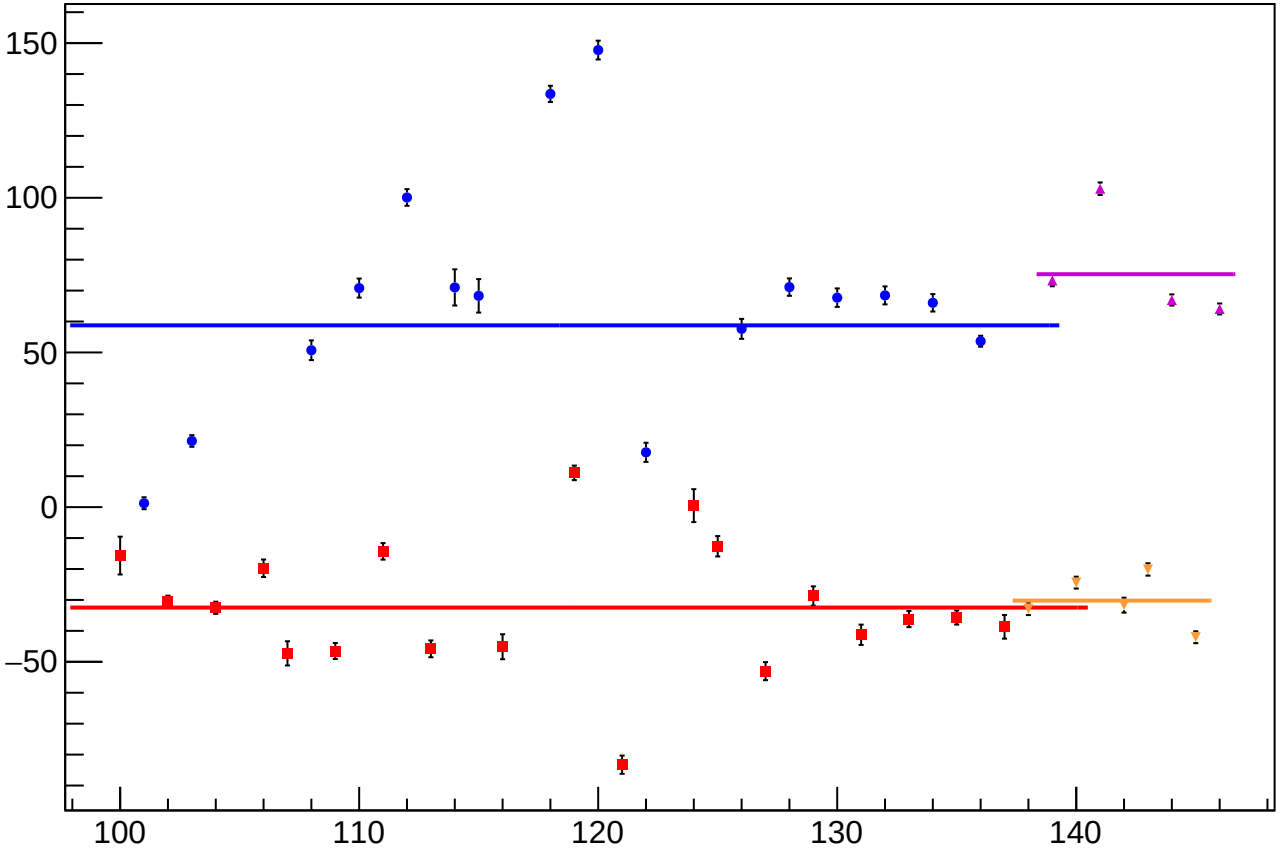
Left In: 1303.563+/-0.492 χ^2/NDF:11566.1/3

+ sign 1482.081+/-0.320 χ^2/NDF: 373243.6/20

All: 1478.370+/-0.225 χ^2/NDF: 753156.2/43

- sign 1474.727+/-0.317 χ^2/NDF: 379646.0/22

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -30.213+/-0.911 χ^2/NDF:74.5/4

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

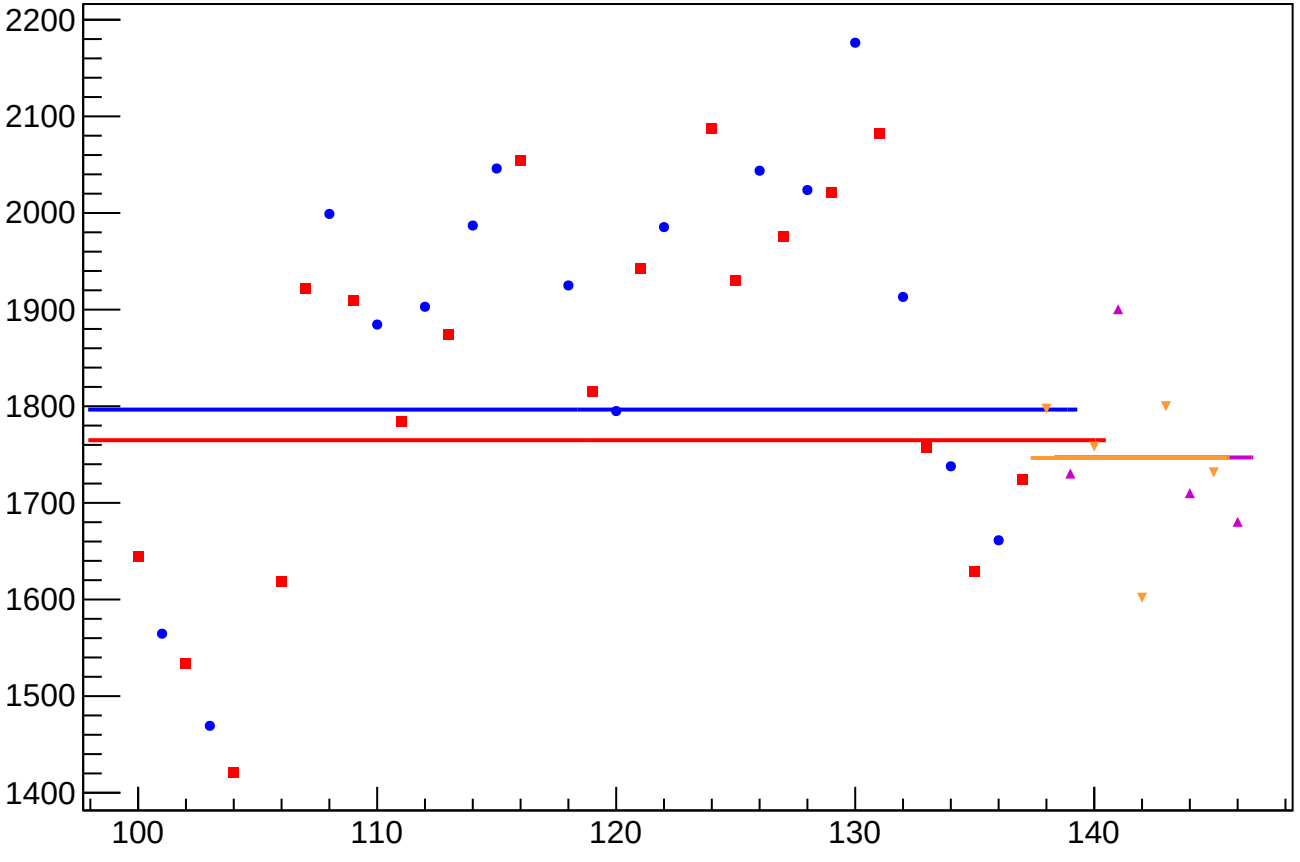
Left In: 75.293+/-0.932 χ^2/NDF:248.0/3

+ sign 27.380+/-0.541 χ^2/NDF: 9692.3/20

All: 14.820+/-0.379 χ^2/NDF: 20934.1/43

- sign 2.659+/-0.532 χ^2/NDF: 10180.9/22

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1746.464+/-0.644 χ^2/NDF:10057.8/4

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

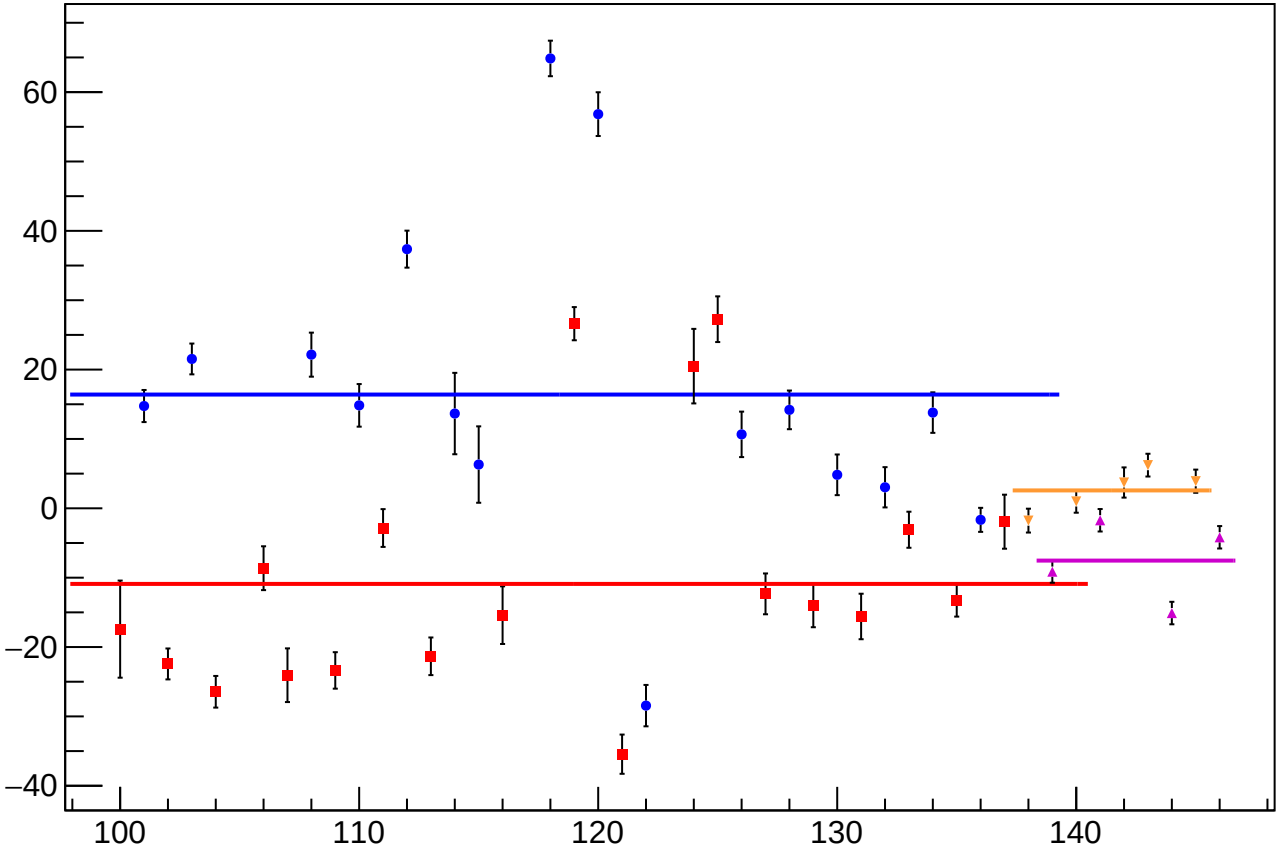
Left In: 1747.010+/-0.659 χ^2/NDF:15246.0/3

+ sign 1778.888+/-0.383 χ^2/NDF: 207143.7/20

All: 1768.805+/-0.268 χ^2/NDF: 414239.0/43

- sign 1759.041+/-0.376 χ^2/NDF: 205727.9/22

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 2.579+/-0.777 χ^2/NDF:13.2/4

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

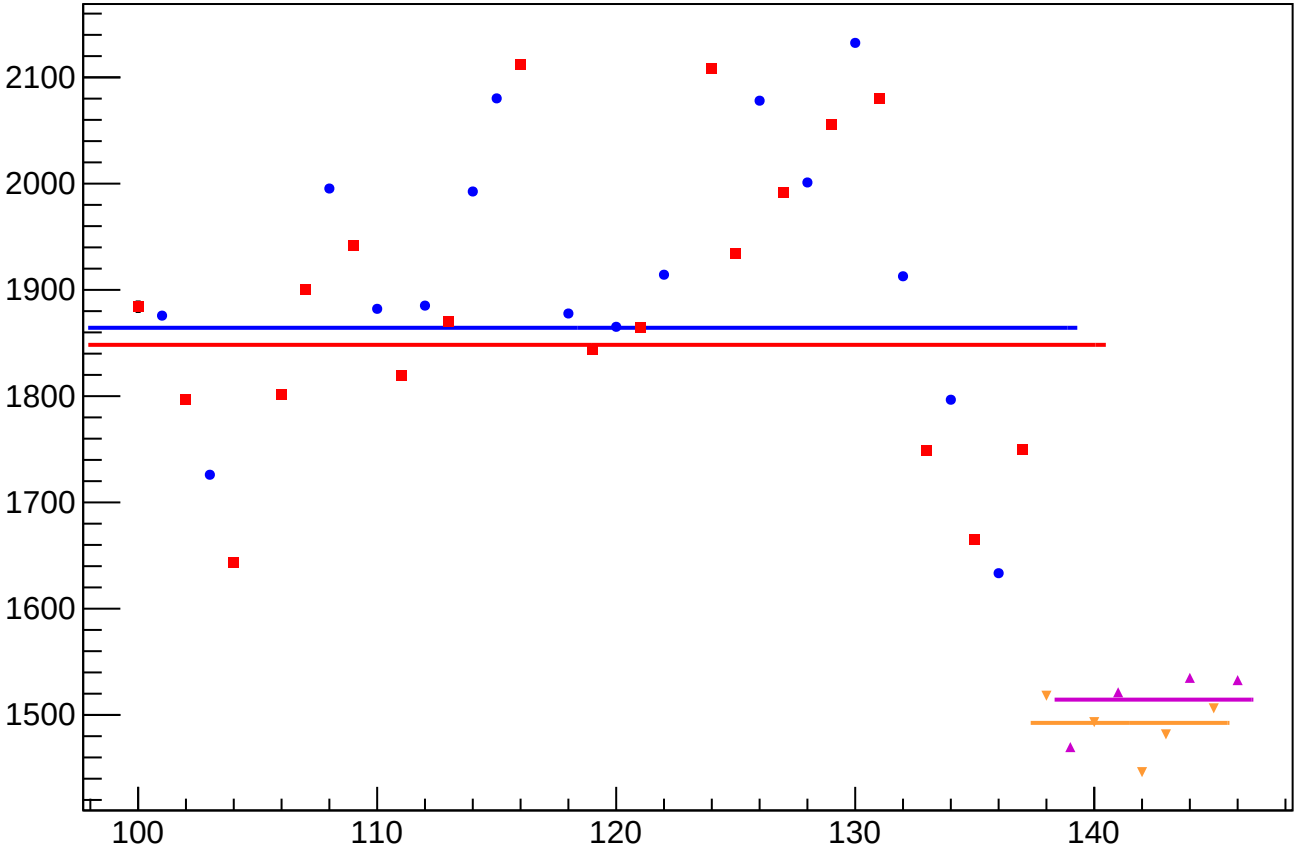
Left In: -7.538+/-0.807 χ^2/NDF:40.0/3

+ sign 10.259+/-0.518 χ^2/NDF: 1161.9/20

All: 0.378+/-0.366 χ^2/NDF: 2581.7/43

- sign -9.512+/-0.518 χ^2/NDF: 691.9/22

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1492.525+/-0.550 χ^2/NDF:1569.2/4

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

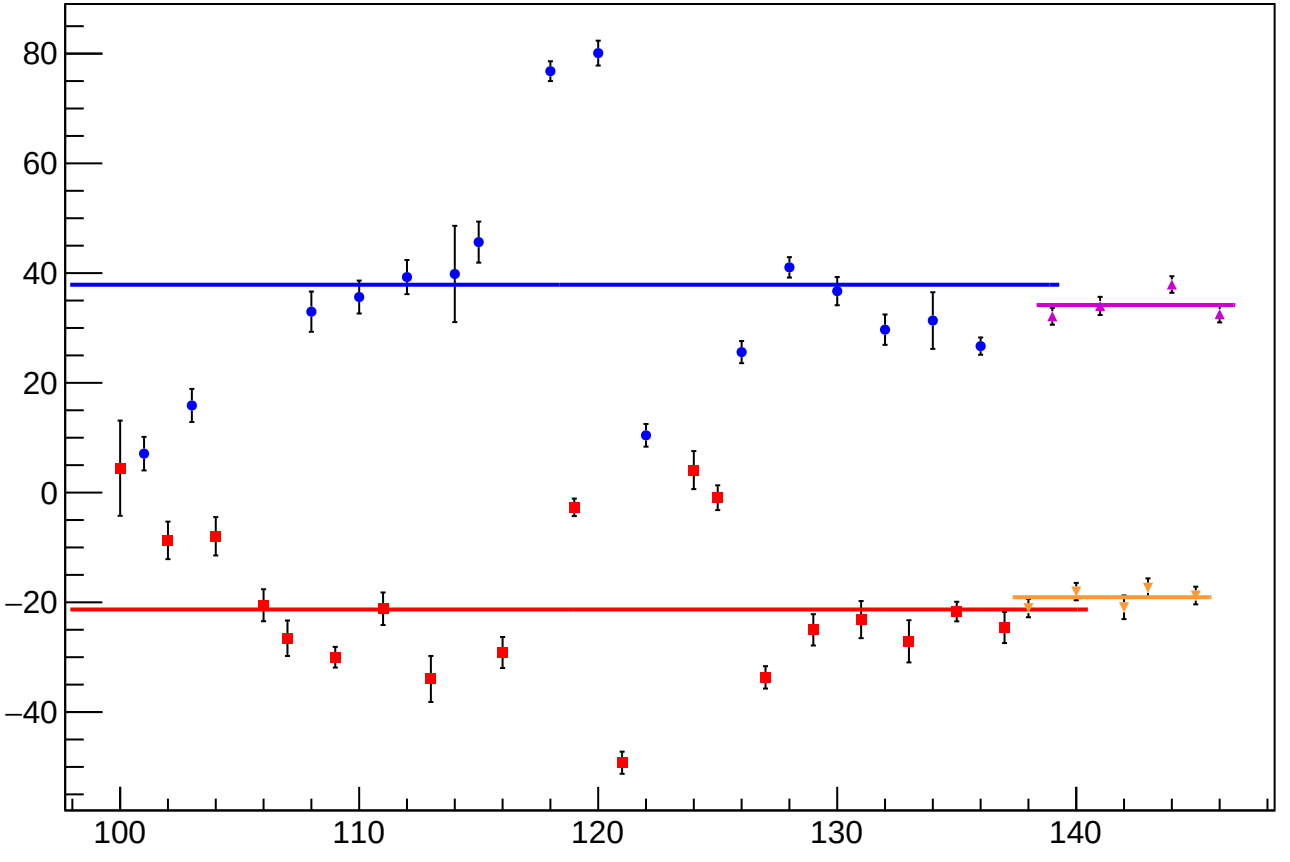
Left In: 1514.400+/-0.570 χ^2/NDF:2177.7/3

+ sign 1699.130+/-0.366 χ^2/NDF: 339235.3/20

All: 1704.811+/-0.259 χ^2/NDF: 618042.9/43

- sign 1710.497+/-0.366 χ^2/NDF: 278326.3/22

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -19.066+/-0.767 χ^2/NDF:3.6/4

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

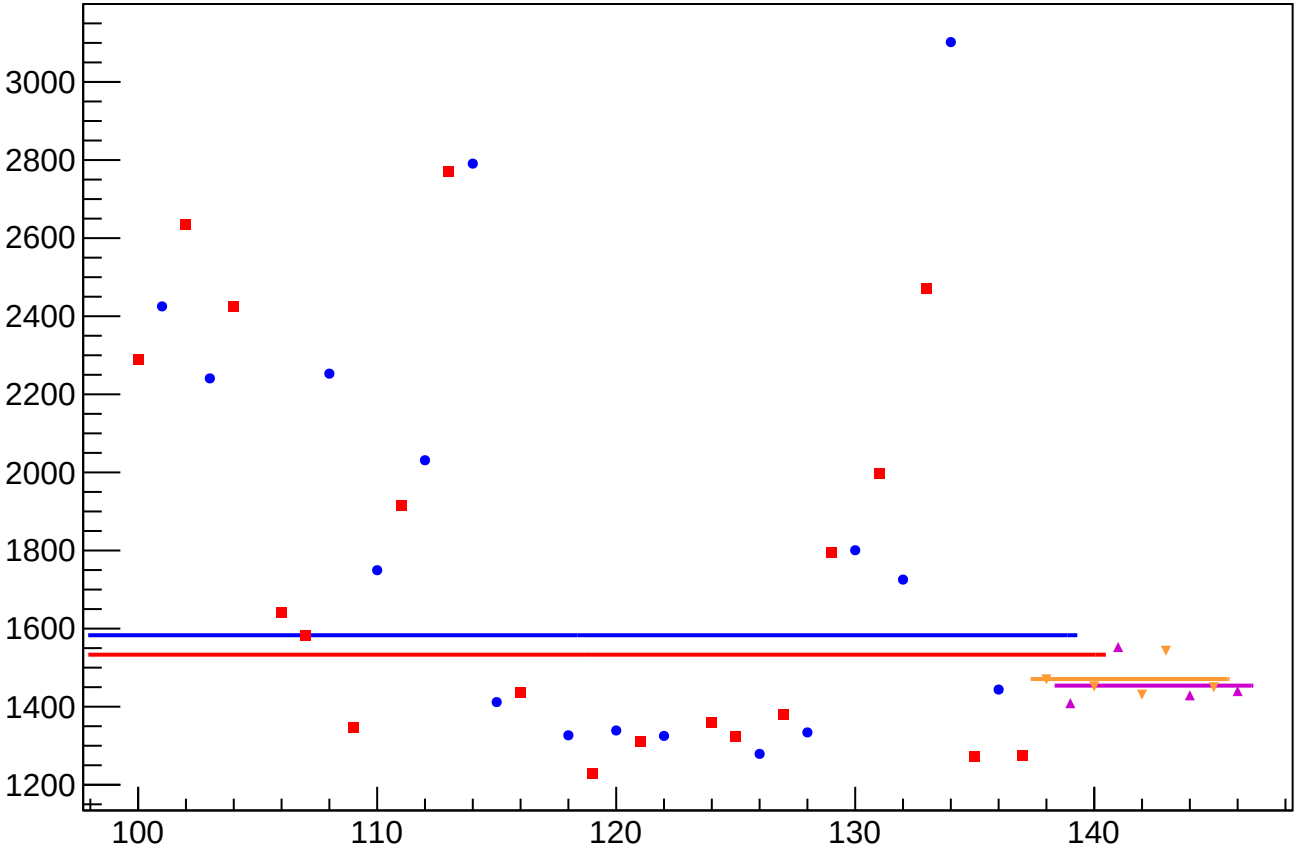
Left In: 34.182+/-0.776 χ^2/NDF:9.2/3

+ sign 15.258+/-0.483 χ^2/NDF: 4579.3/20

All: 7.003+/-0.337 χ^2/NDF: 8969.9/43

- sign -0.844+/-0.471 χ^2/NDF: 3821.3/22

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1470.832+/-0.542 χ^2/NDF:4900.4/4

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

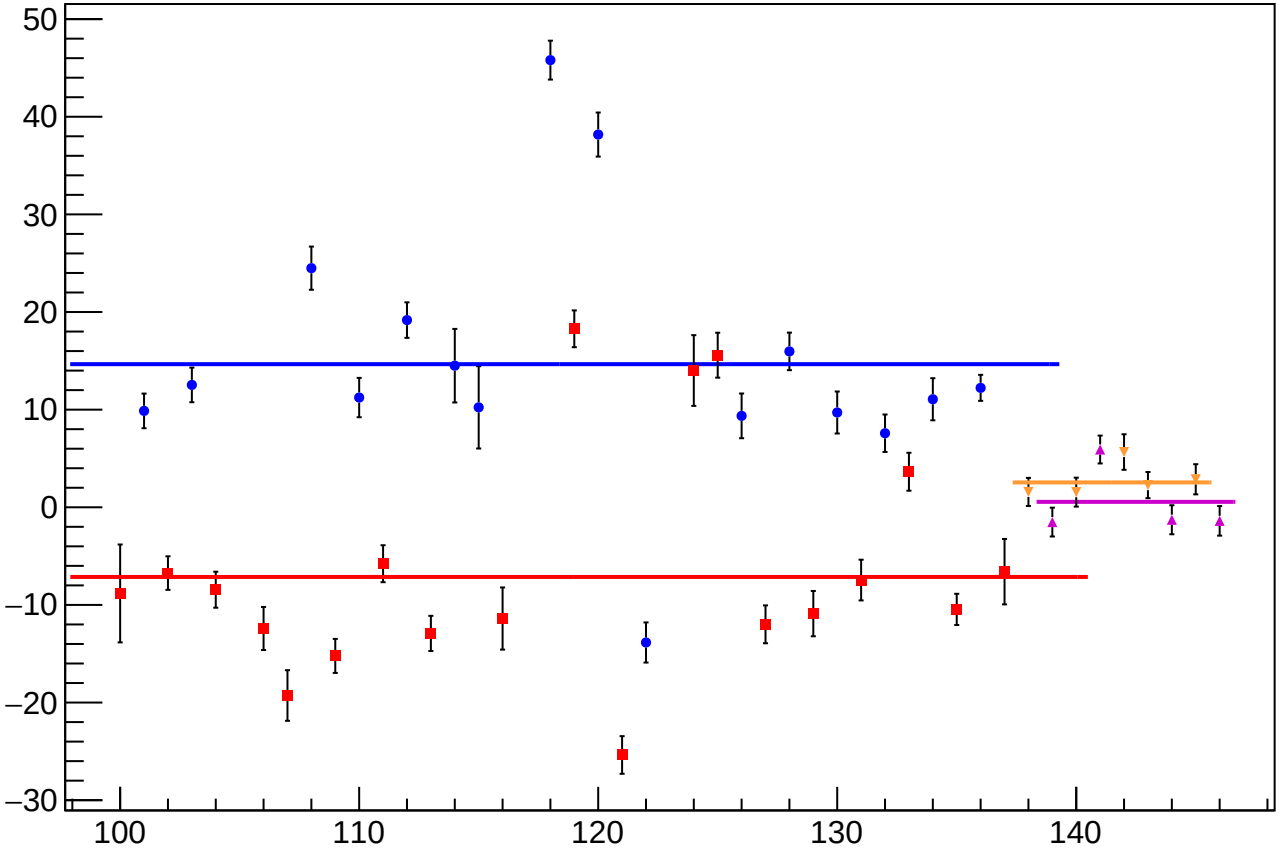
Left In: 1453.975+/-0.549 χ^2/NDF:9566.6/3

+ sign 1538.471+/-0.342 χ^2/NDF: 818403.2/20

All: 1520.787+/-0.239 χ^2/NDF: 1797136.2/43

- sign 1503.978+/-0.333 χ^2/NDF: 973507.8/22

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.547+/-0.671 χ^2/NDF:3.9/4

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

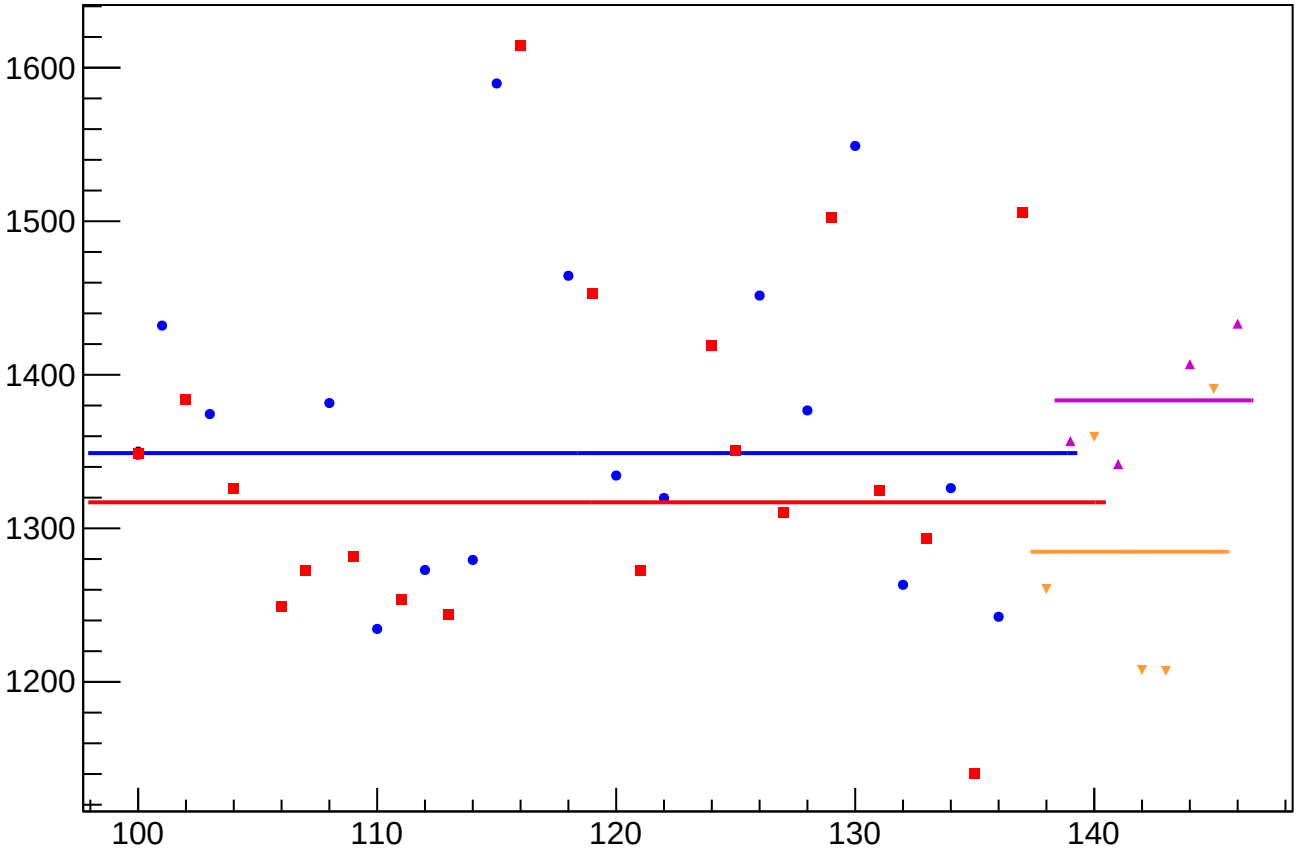
Left In: 0.556+/-0.737 χ^2/NDF:19.2/3

+ sign 10.288+/-0.403 χ^2/NDF: 826.6/20

All: 2.747+/-0.285 χ^2/NDF: 2131.9/43

- sign -4.825+/-0.404 χ^2/NDF: 604.8/22

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1284.772+/-0.475 χ^2/NDF:25402.6/4

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

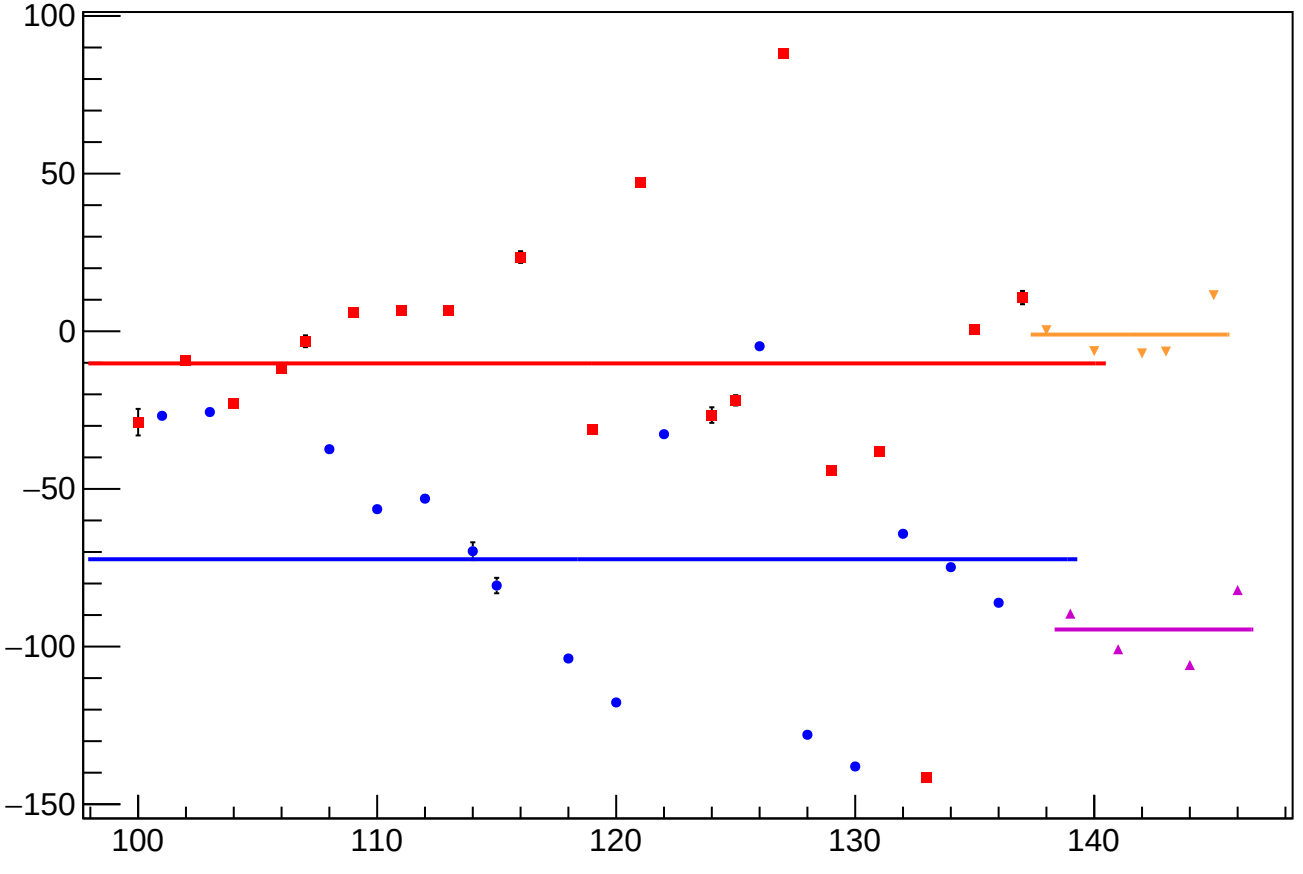
Left In: 1383.334+/-0.521 χ^2/NDF:5012.2/3

+ sign 1325.827+/-0.285 χ^2/NDF: 105482.3/20

All: 1331.350+/-0.202 χ^2/NDF: 209455.0/43

- sign 1336.896+/-0.286 χ^2/NDF: 103221.0/22

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -1.039+/-0.485 χ^2/NDF:216.7/4

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

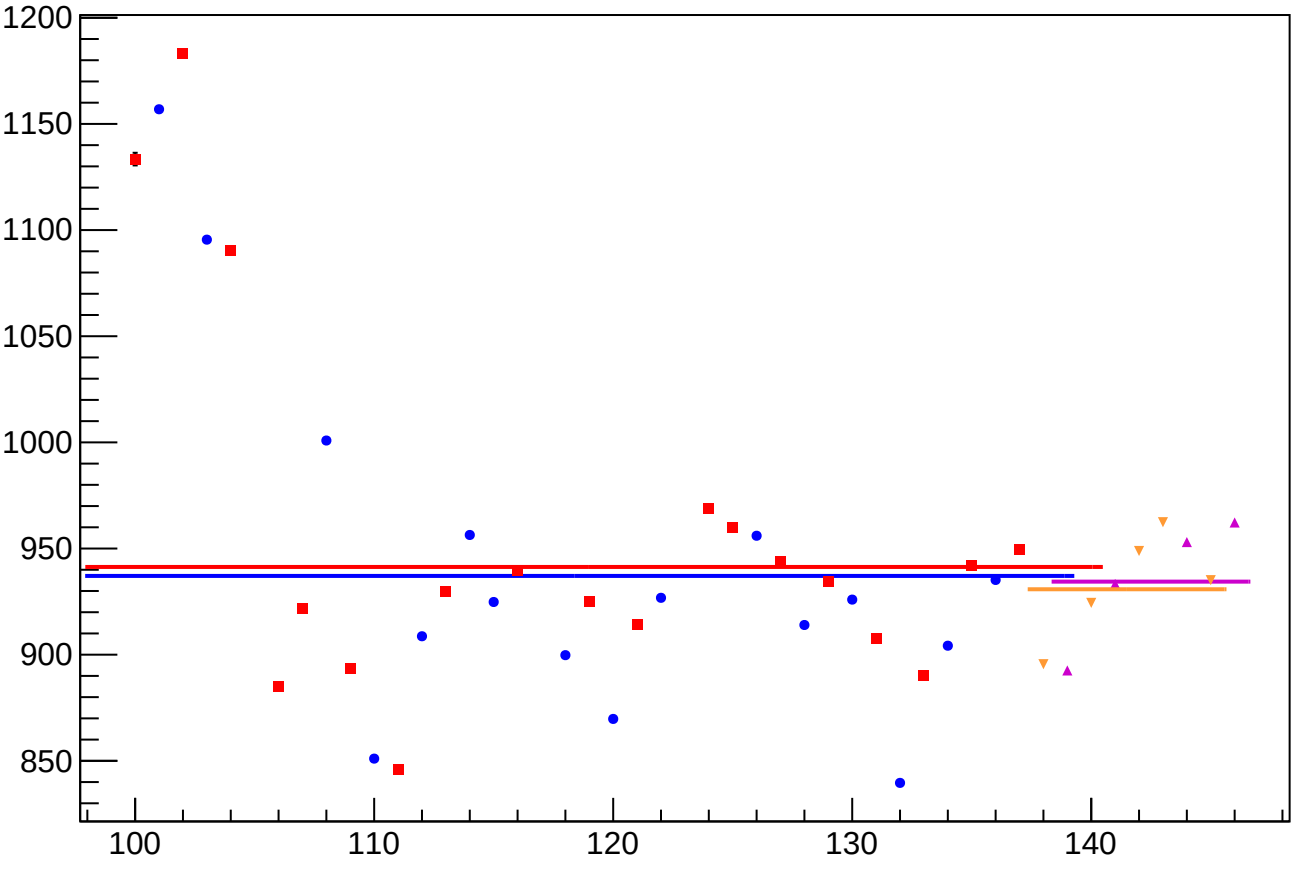
Left In: -94.581+/-0.497 χ^2/NDF:344.5/3

\+ sign -47.925+/-0.283 χ^2/NDF: 26597.5/20

All: -42.733+/-0.200 χ^2/NDF: 66109.8/43

\- sign -37.549+/-0.283 χ^2/NDF: 38841.8/22

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 930.812+/-0.343 χ^2/NDF:4614.5/4

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

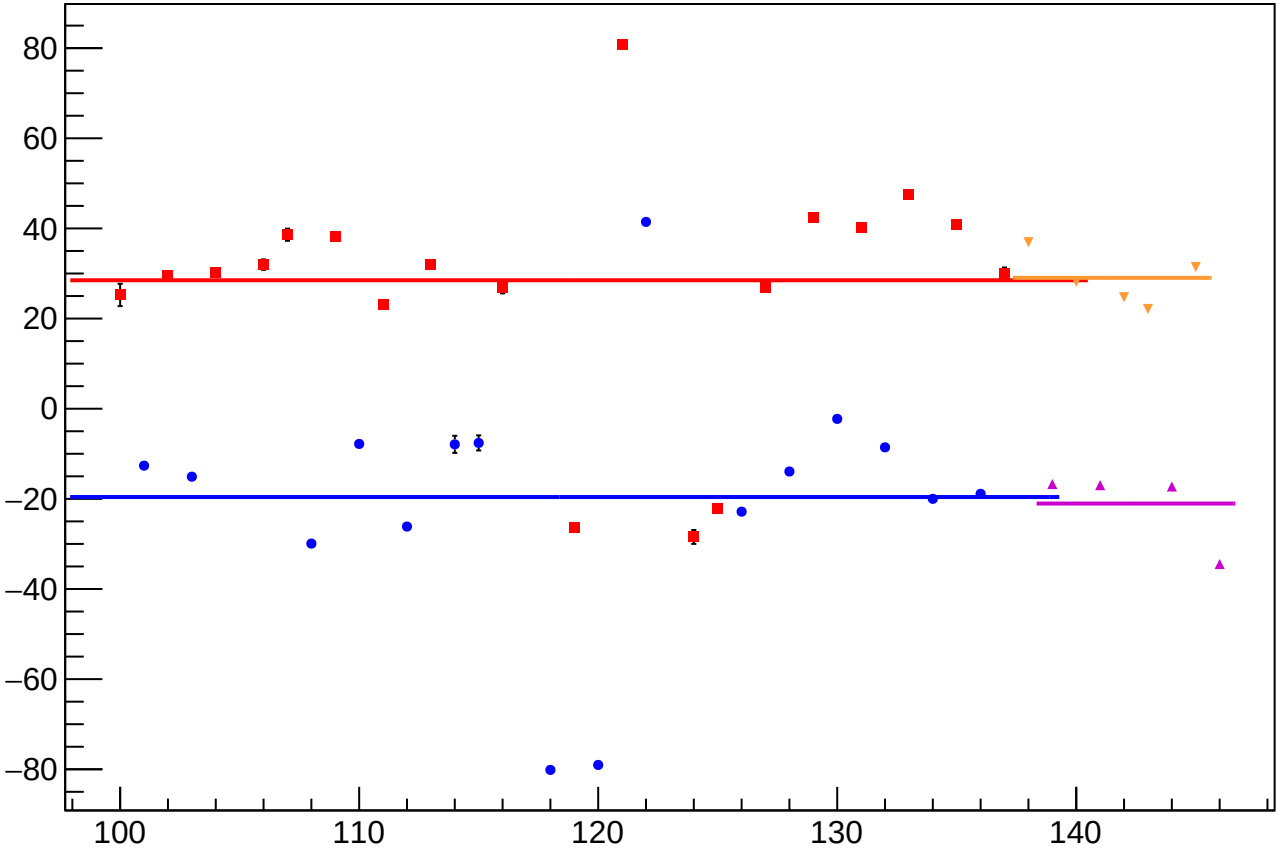
Left In: 934.408+/-0.352 χ^2/NDF:5917.5/3

+ sign 934.947+/-0.200 χ^2/NDF: 109496.2/20

All: 937.016+/-0.142 χ^2/NDF: 216919.0/43

- sign 939.081+/-0.200 χ^2/NDF: 107209.8/22

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 29.032+/-0.334 χ^2/NDF:248.4/4

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

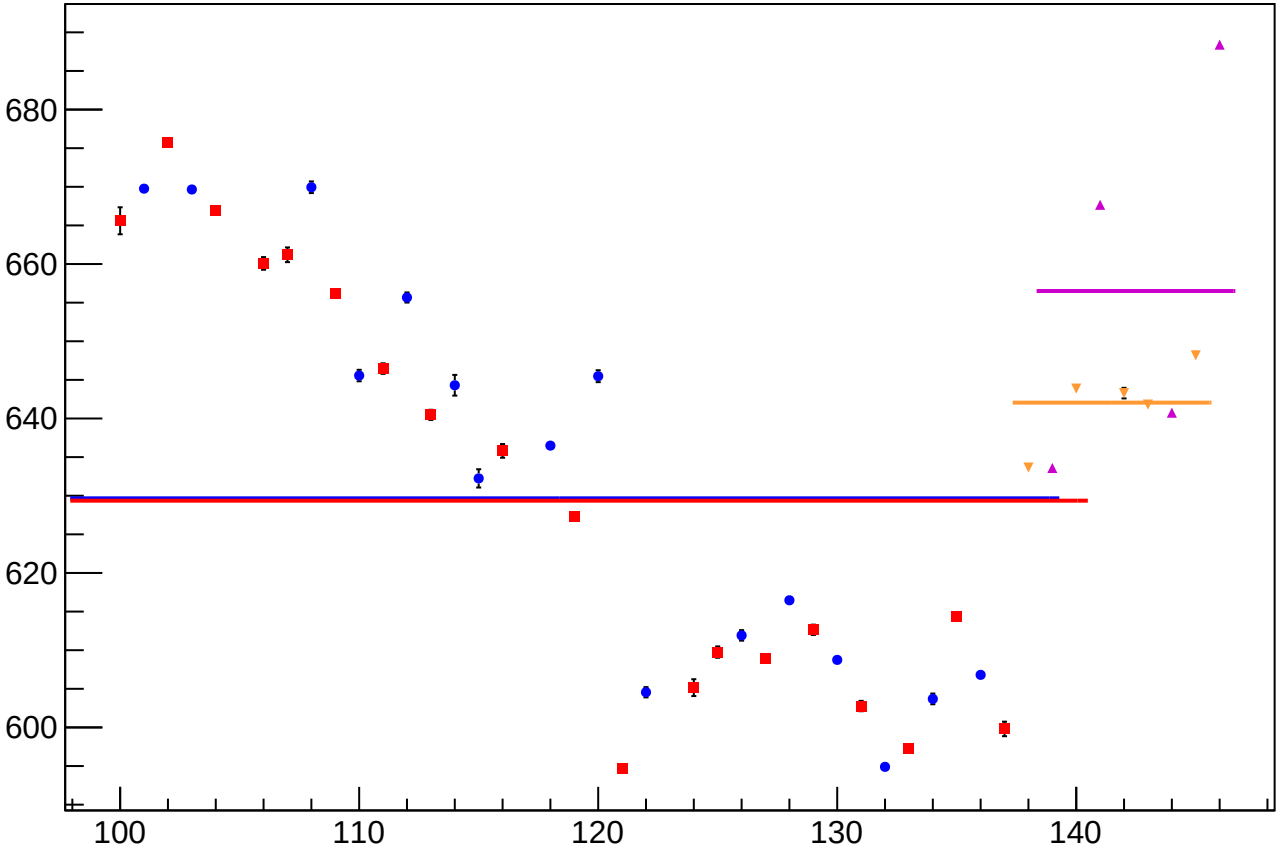
Left In: -21.040+/-0.349 χ^2/NDF:446.4/3

+ sign -3.590+/-0.192 χ^2/NDF: 27627.5/20

All: 4.971+/-0.136 χ^2/NDF: 59072.1/43

- sign 13.551+/-0.192 χ^2/NDF: 27451.7/22

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 642.055+/-0.236 χ^2/NDF:436.2/4

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

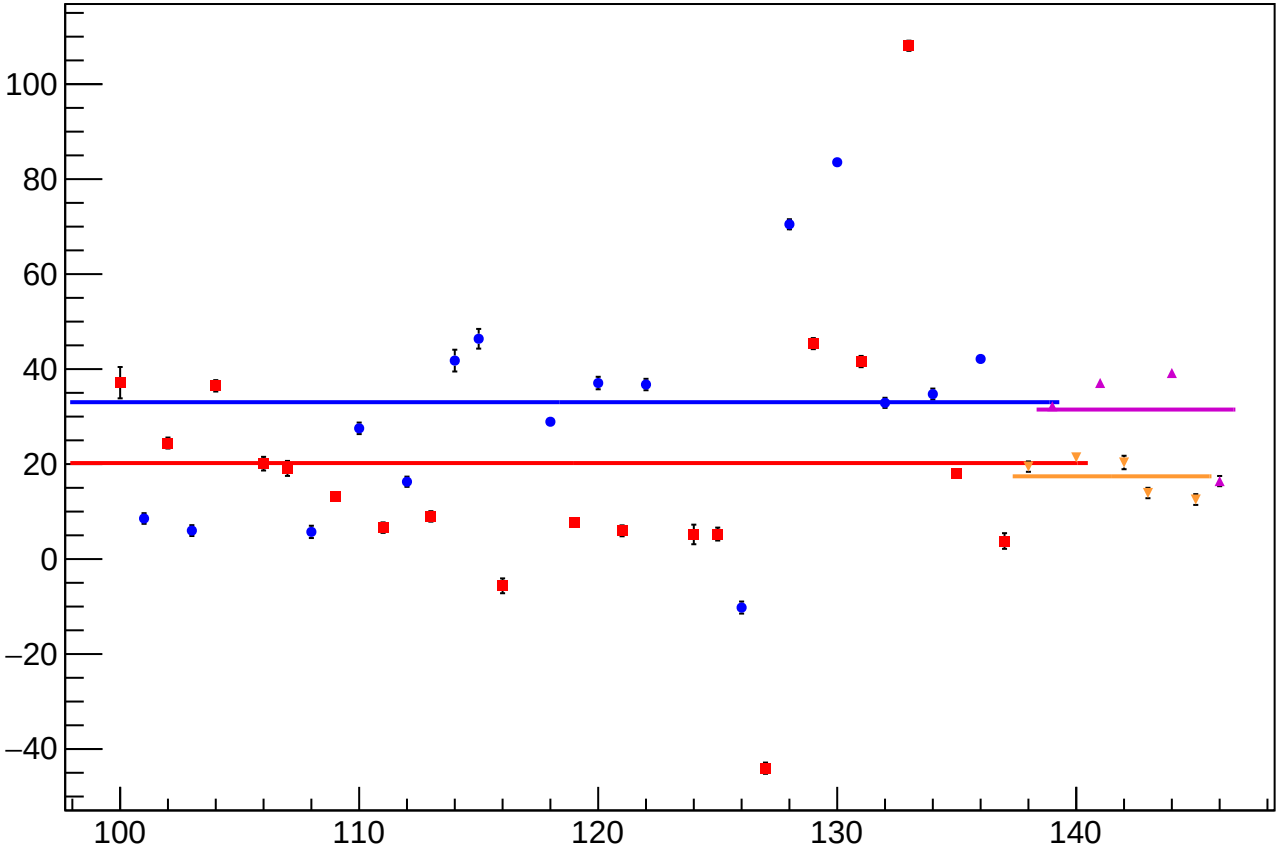
Left In: 656.508+/-0.247 χ^2/NDF:7672.0/3

\+ sign 633.740+/-0.136 χ^2/NDF: 27597.9/20

All: 635.643+/-0.096 χ^2/NDF: 70885.3/43

\- sign 637.551+/-0.136 χ^2/NDF: 42892.6/22

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.422+/-0.510 χ^2/NDF:50.8/4

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

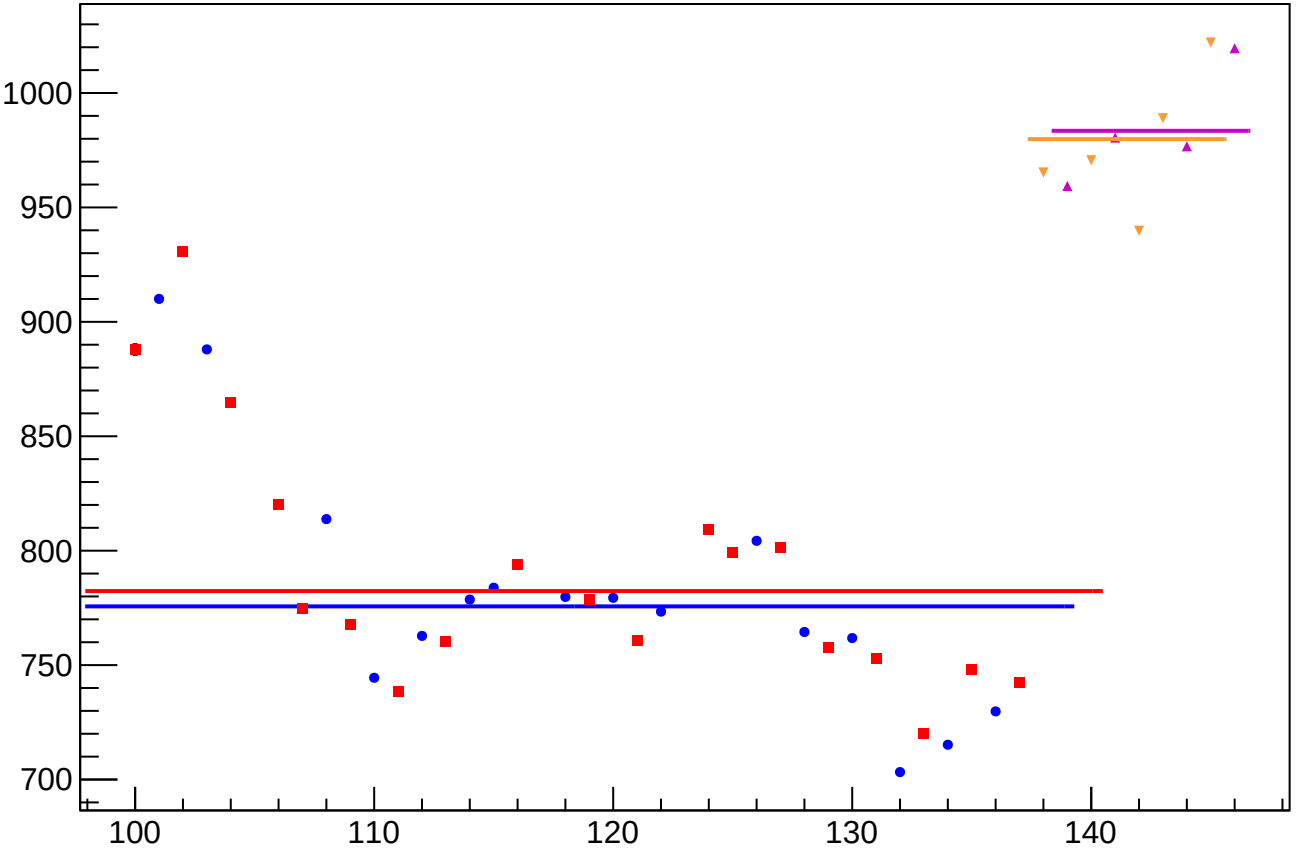
Left In: 31.481+/-0.524 χ^2/NDF:281.6/3

+ sign 29.243+/-0.251 χ^2/NDF: 7459.7/20

All: 26.018+/-0.178 χ^2/NDF: 20296.3/43

- sign 22.804+/-0.251 χ^2/NDF: 12507.9/22

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 979.859+/-0.361 χ^2/NDF:5019.6/4

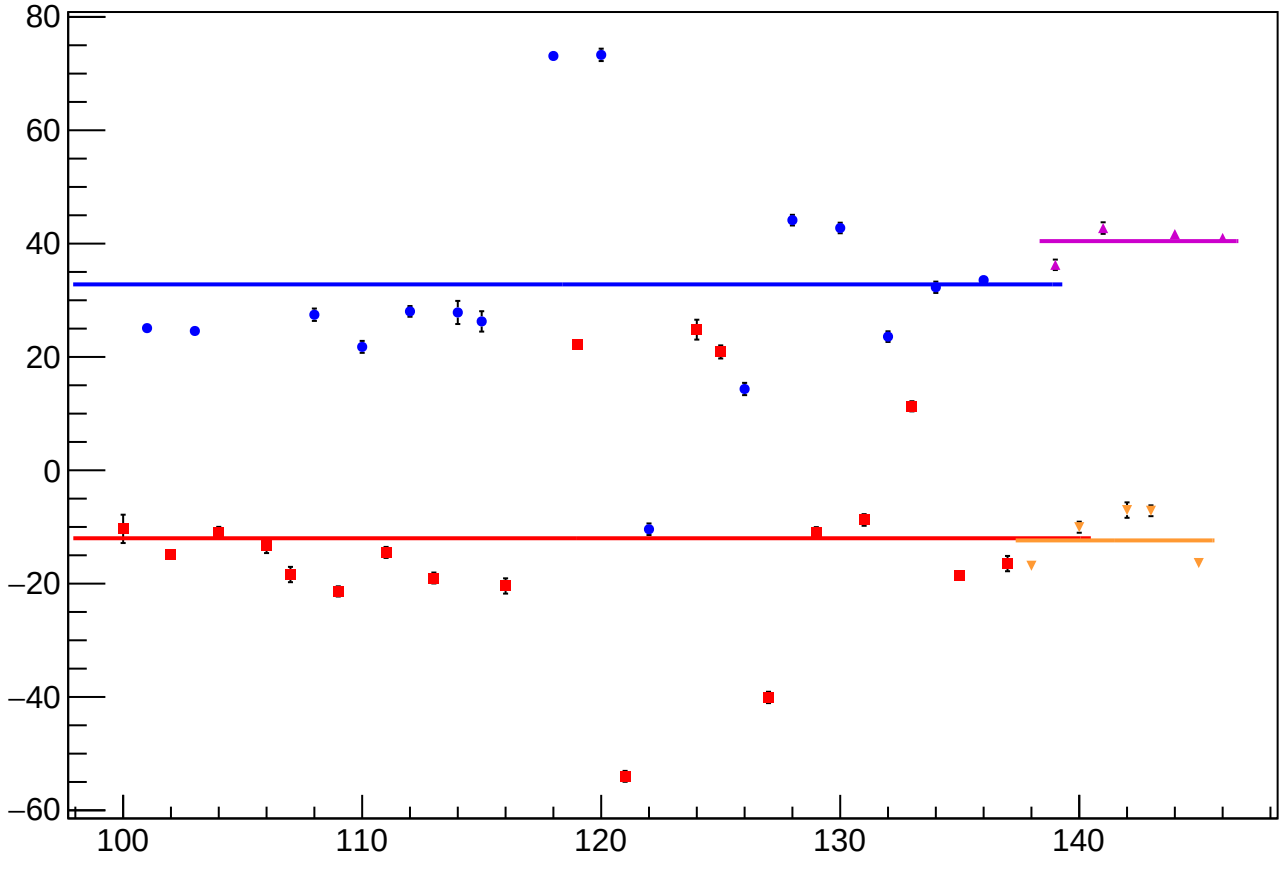
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 983.476+/-0.370 χ^2/NDF:3425.9/3

+ sign 825.234+/-0.178 χ^2/NDF: 322215.7/20

All: 826.905+/-0.126 χ^2/NDF: 617697.2/43

- sign 828.570+/-0.177 χ^2/NDF: 295305.2/22



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -12.375+/-0.434 χ^2/NDF:98.2/4

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

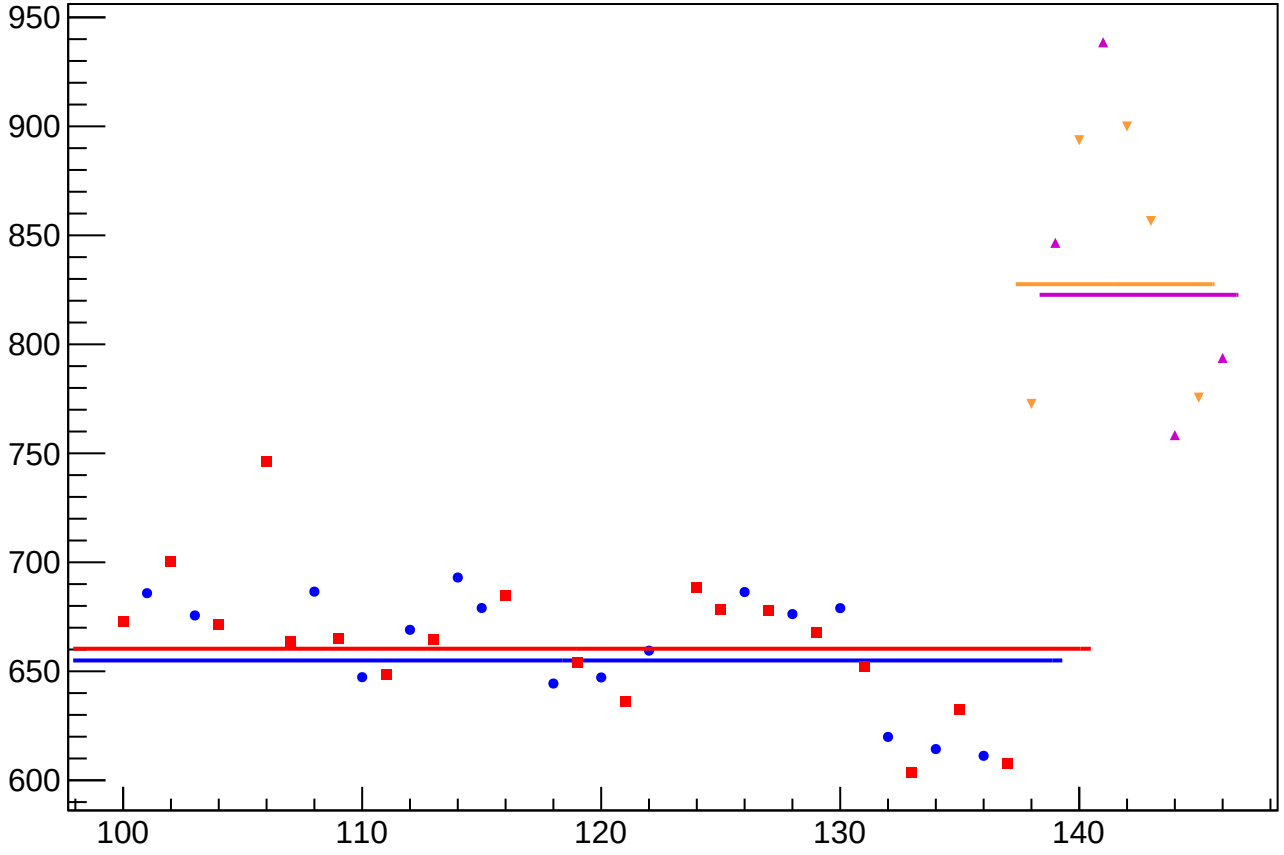
Left In: 40.441+/-0.443 χ^2/NDF:28.5/3

+ sign 21.979+/-0.212 χ^2/NDF: 14604.5/20

All: 10.957+/-0.150 χ^2/NDF: 37378.8/43

- sign -0.004+/-0.212 χ^2/NDF: 17401.4/22

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 827.591+/-0.307 χ^2/NDF:31669.8/4

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

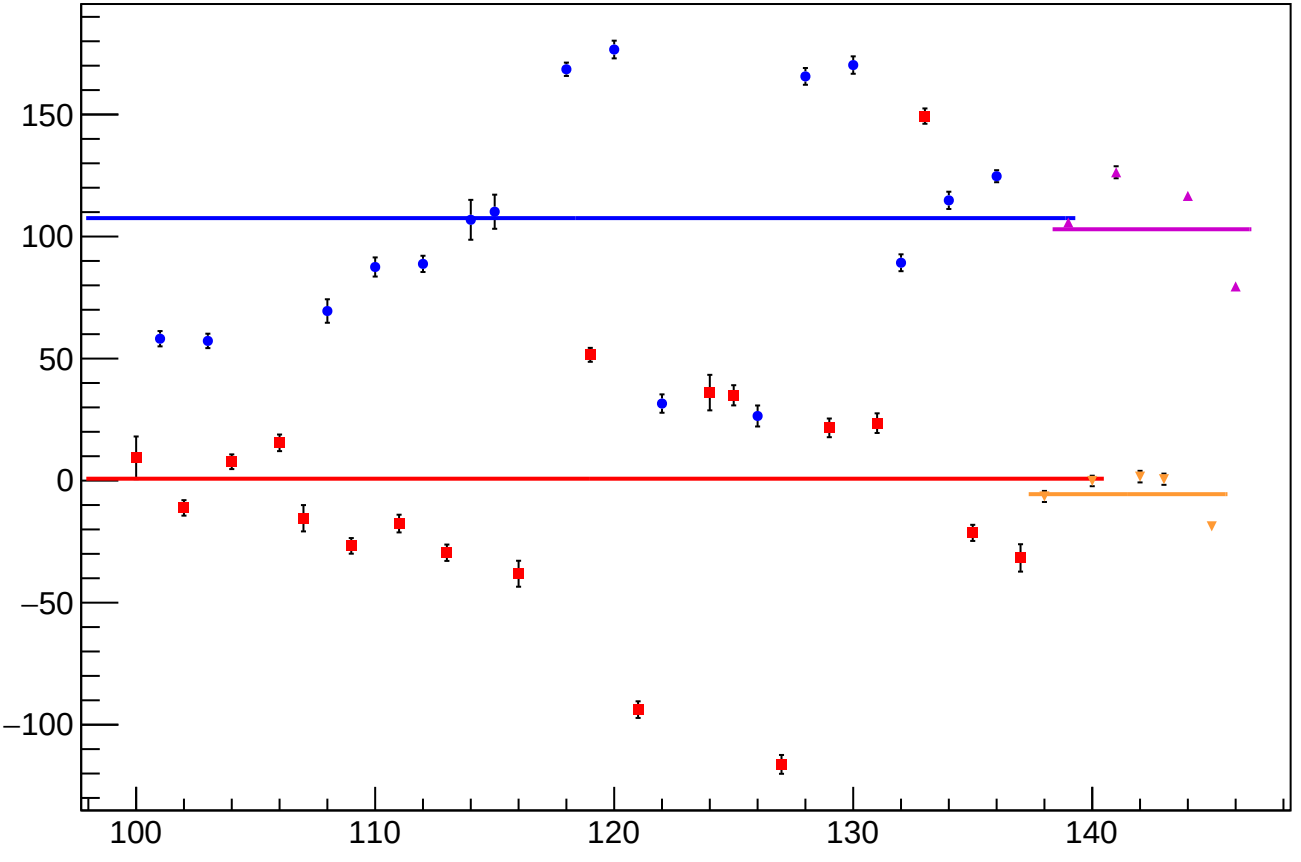
Left In: 822.715+/-0.313 χ^2/NDF:42284.5/3

+ sign 696.330+/-0.150 χ^2/NDF: 299209.5/20

All: 696.908+/-0.106 χ^2/NDF: 579292.8/43

- sign 697.482+/-0.150 χ^2/NDF: 280053.8/22

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -5.549+/-0.982 χ^2/NDF:67.9/4

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

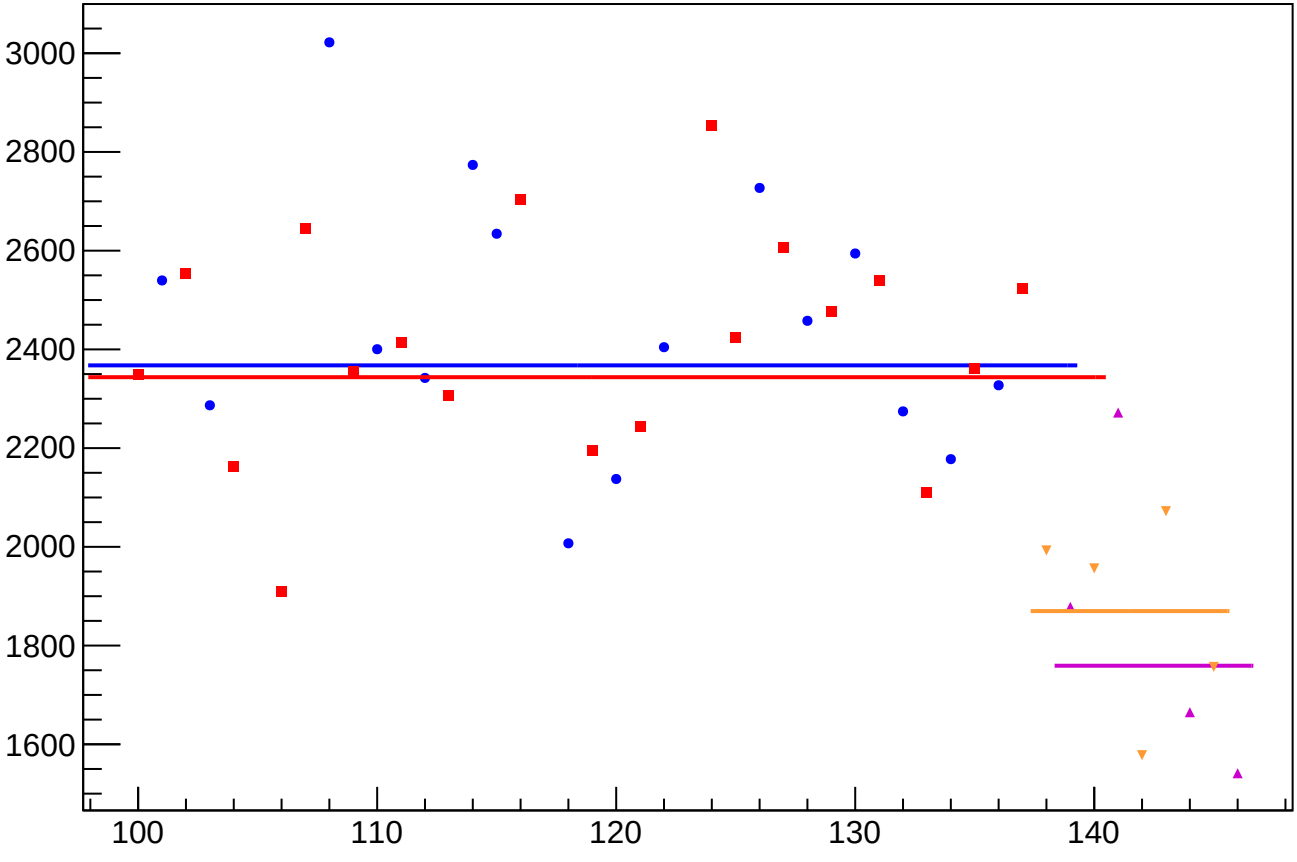
Left In: 102.982+/-0.954 χ^2/NDF:358.4/3

+ sign 56.833+/-0.658 χ^2/NDF: 10341.3/20

All: 51.588+/-0.458 χ^2/NDF: 21909.8/43

- sign 46.632+/-0.639 χ^2/NDF: 11444.8/22

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1869.853+/-0.694 χ^2/NDF:61464.0/4

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

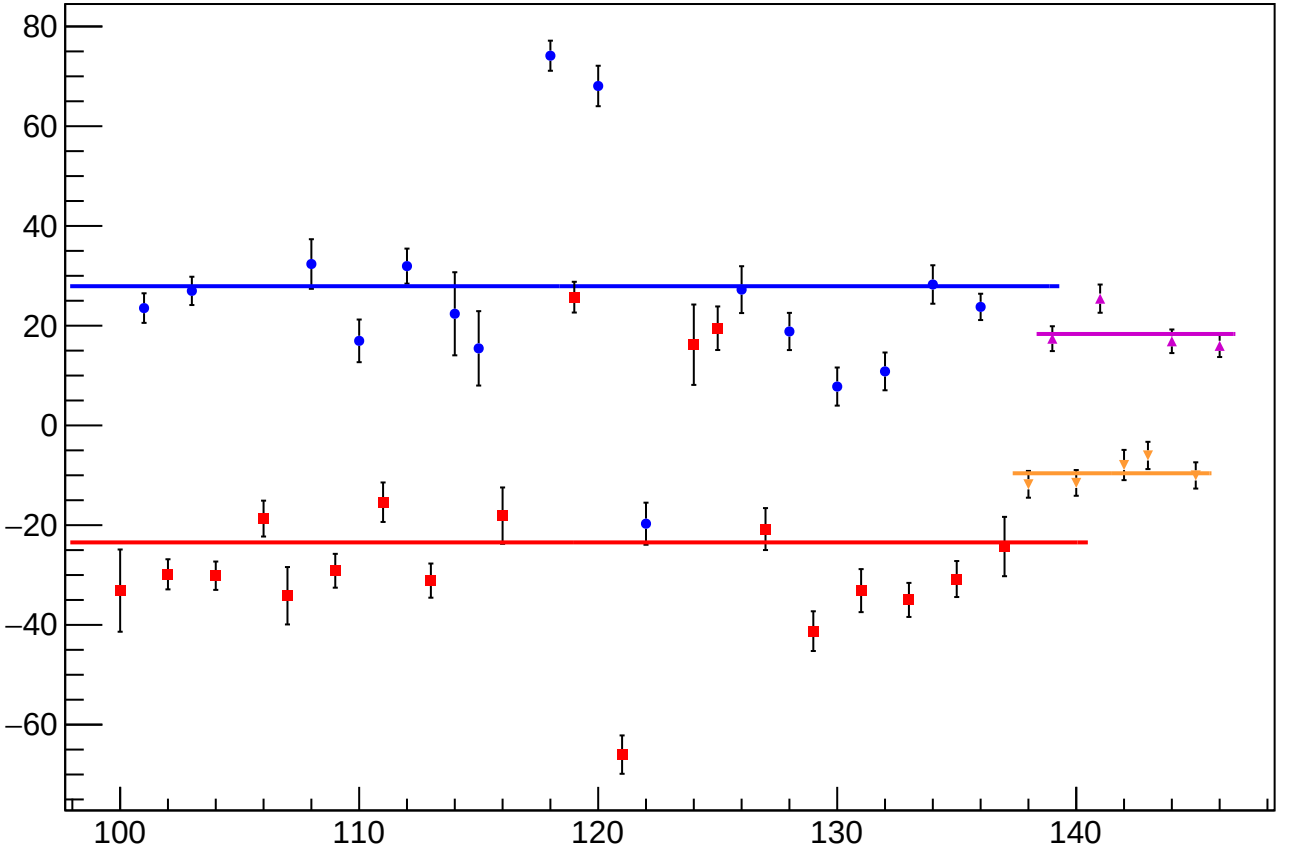
Left In: 1759.155+/-0.675 χ^2/NDF:134721.3/3

+ sign 2144.418+/-0.465 χ^2/NDF: 471740.5/20

All: 2112.059+/-0.324 χ^2/NDF: 1141876.2/43

- sign 2081.476+/-0.452 χ^2/NDF: 660713.5/22

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.596+/-1.217 χ^2/NDF:3.3/4

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

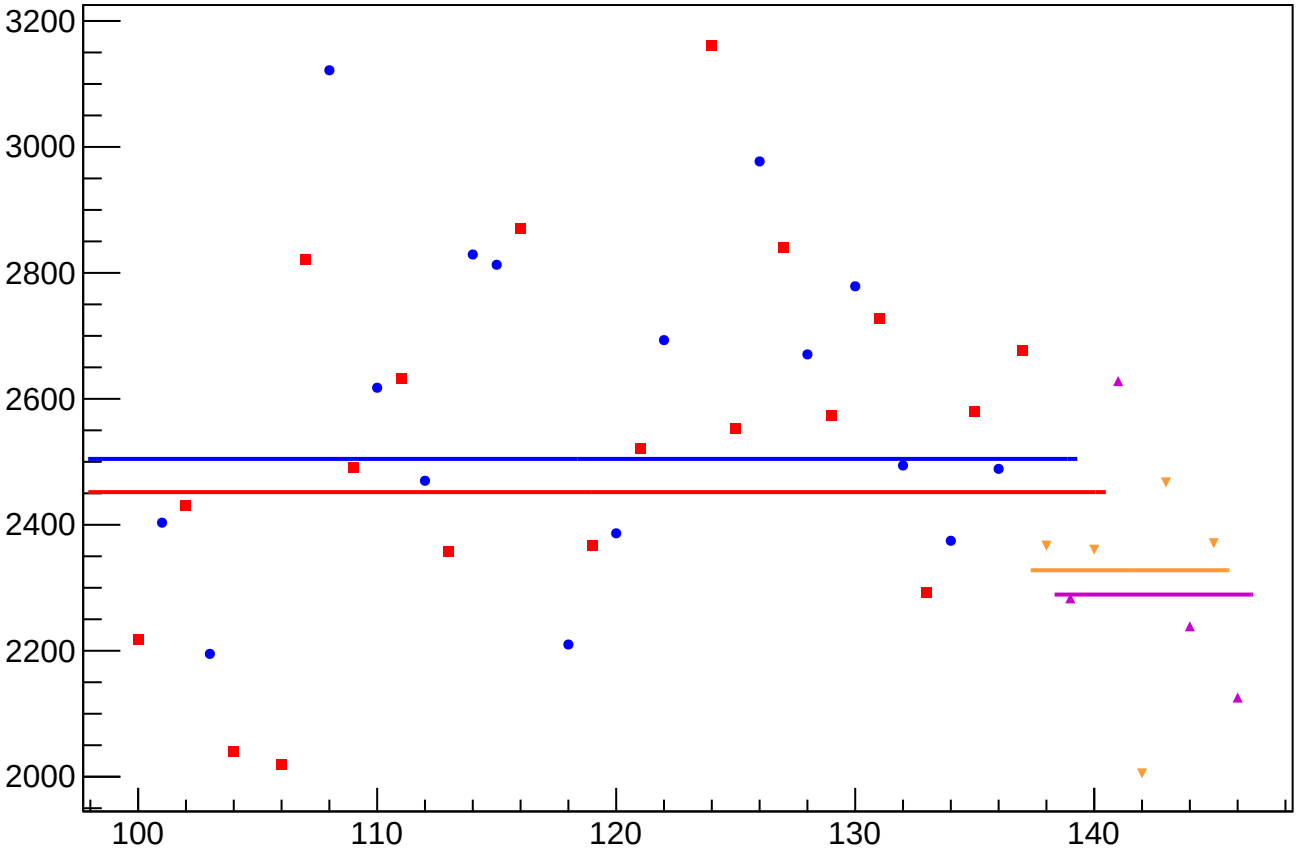
Left In: 18.338+/-1.228 χ^2/NDF:7.9/3

+ sign 13.958+/-0.742 χ^2/NDF: 1130.6/20

All: 2.348+/-0.519 χ^2/NDF: 2938.0/43

- sign -8.797+/-0.727 χ^2/NDF: 1327.9/22

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2327.879+/-0.860 χ^2/NDF:29139.2/4

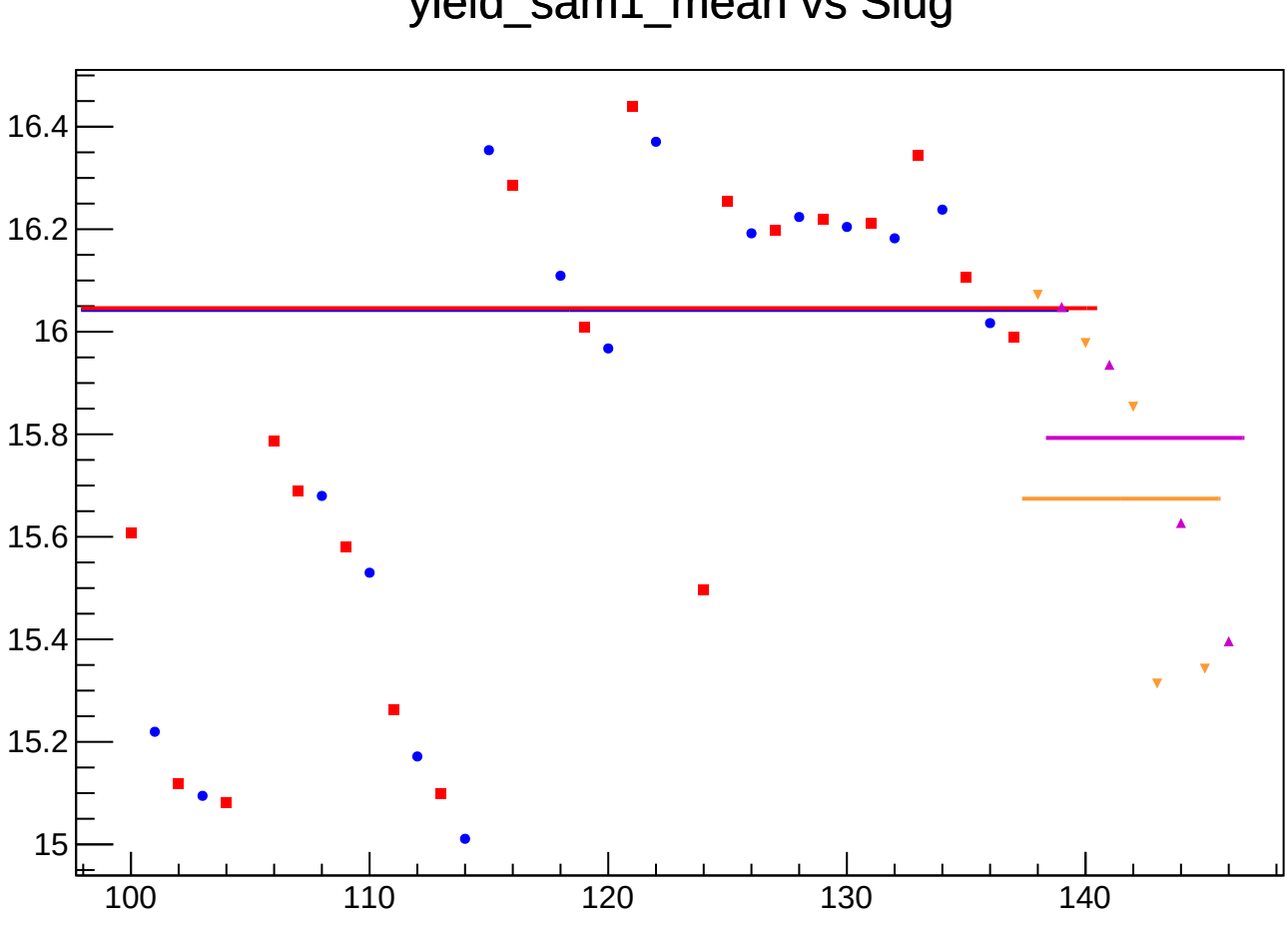
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2289.246+/-0.868 χ^2/NDF:40234.8/3

+ sign 2438.875+/-0.525 χ^2/NDF: 182240.3/20

All: 2416.406+/-0.367 χ^2/NDF: 402078.4/43

- sign 2394.835+/-0.514 χ^2/NDF: 216246.1/22



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.674+/-0.000 χ^2/NDF:4239495732.3/4

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

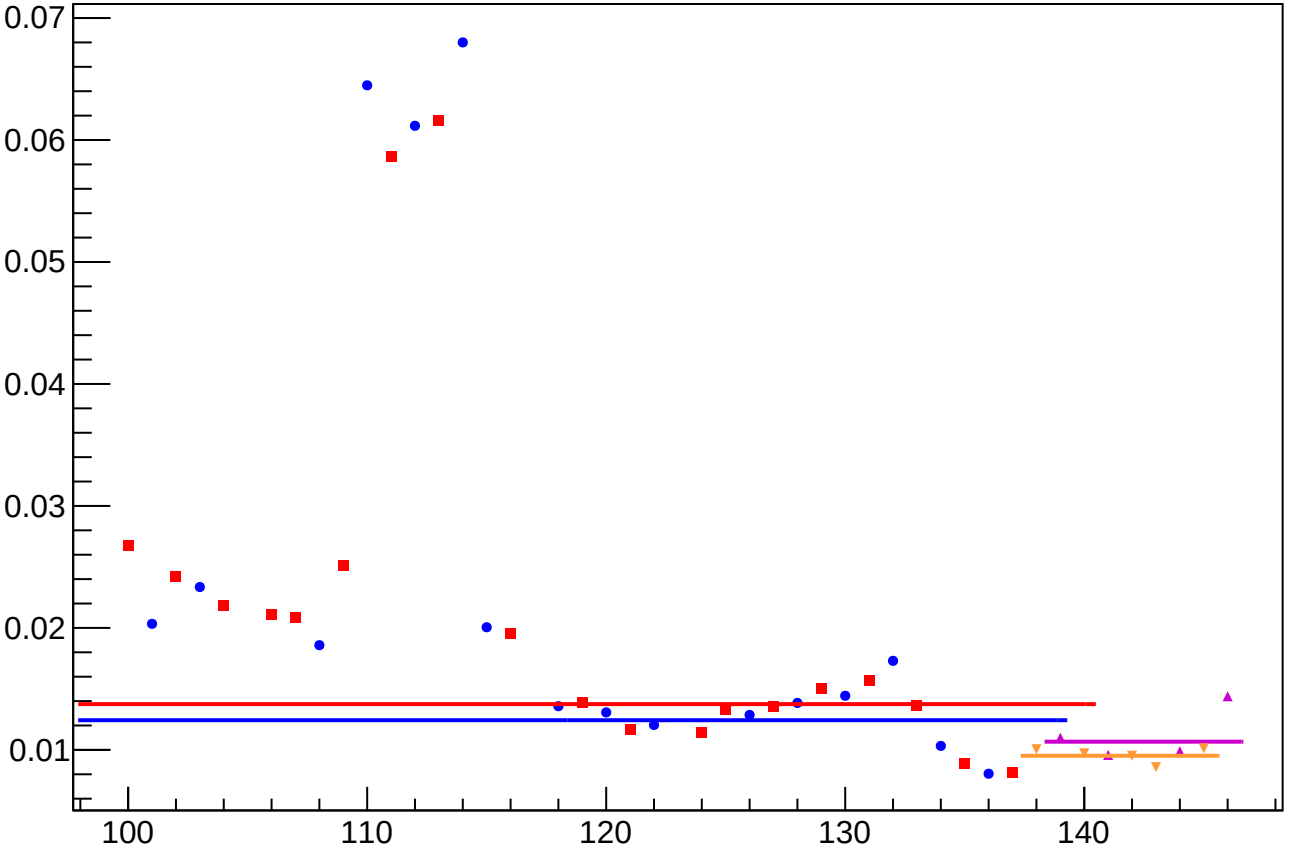
Left In: 15.793+/-0.000 χ^2/NDF:1472343003.6/3

+ sign 15.852+/-0.000 χ^2/NDF: 9577451312.6/20

All: 15.884+/-0.000 χ^2/NDF: 15701169651.0

- sign 15.923+/-0.000 χ^2/NDF: 5958886354.1/22

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:28612.2/4

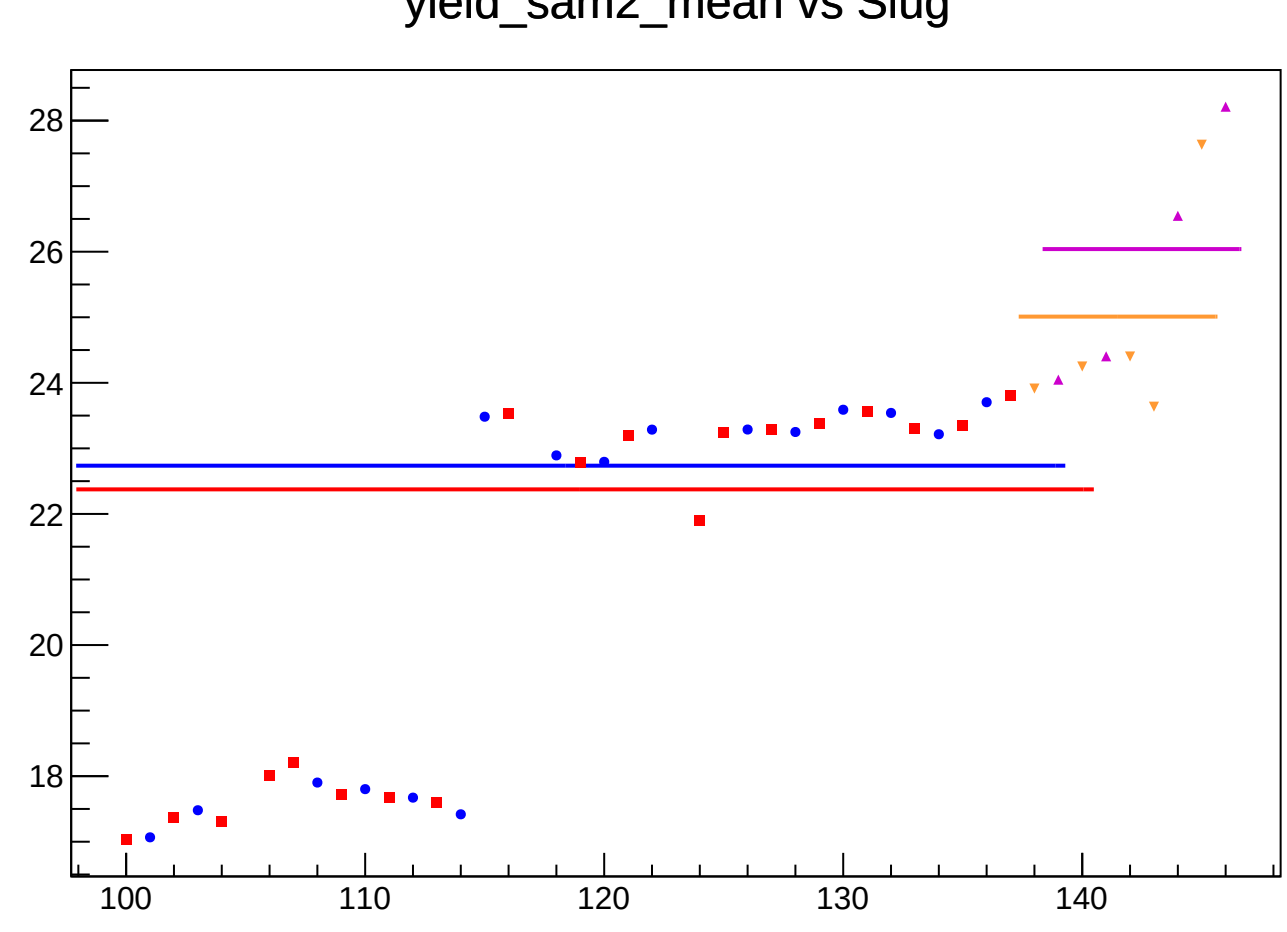
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:141477.0/3

+ sign 0.011+/-0.000 χ^2/NDF: 2658381.4/20

All: 0.012+/-0.000 χ^2/NDF: 5422719.2/43

- sign 0.012+/-0.000 χ^2/NDF: 2648562.3/22



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.010+/-0.000 χ^2/NDF:757974504.2/4

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

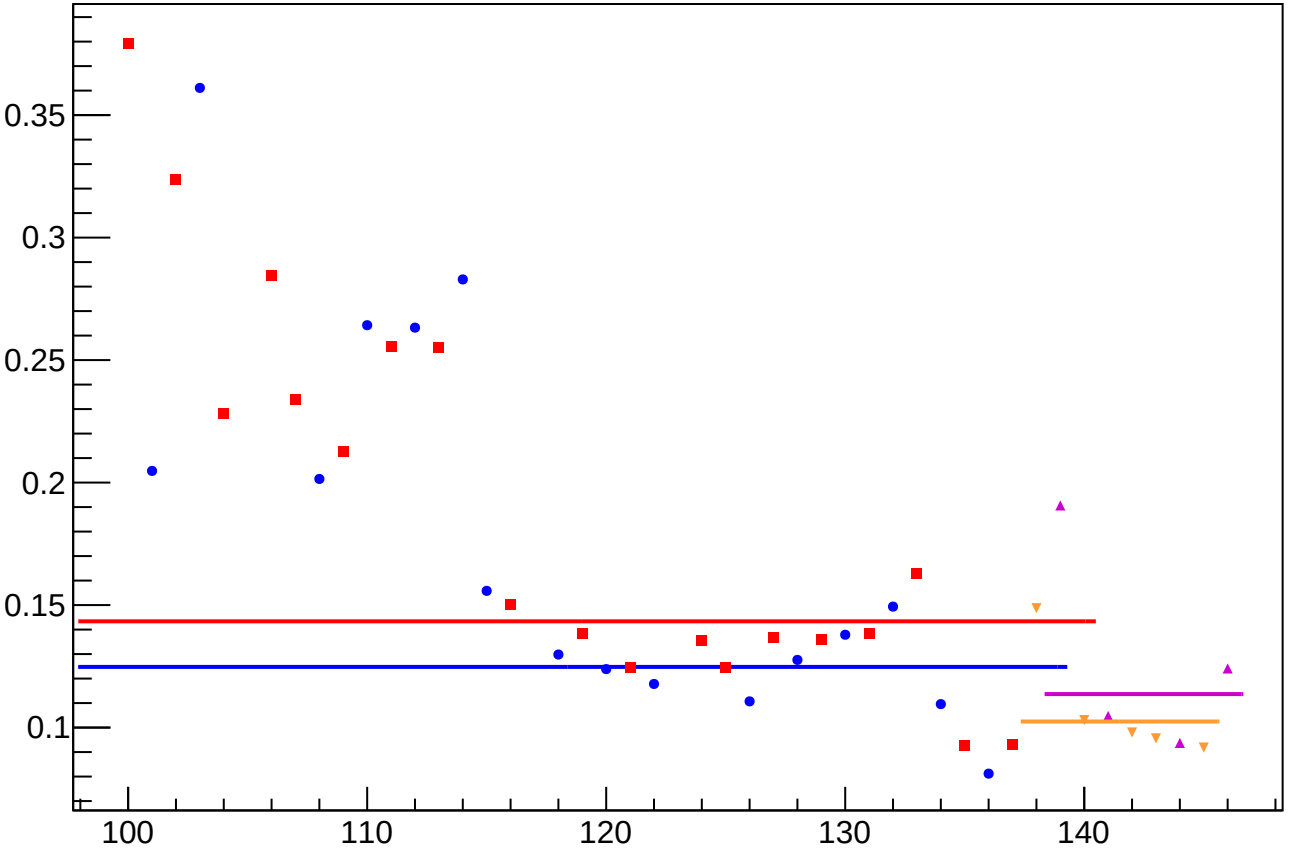
Left In: 26.040+/-0.000 χ^2/NDF:526630200.9/3

+ sign 23.758+/-0.000 χ^2/NDF: 2777292737.0/20

All: 23.871+/-0.000 χ^2/NDF: 6211987687.0/4

- sign 24.009+/-0.000 χ^2/NDF: 3417102523.2/22

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.102+/-0.000 χ^2/NDF:160259.3/4

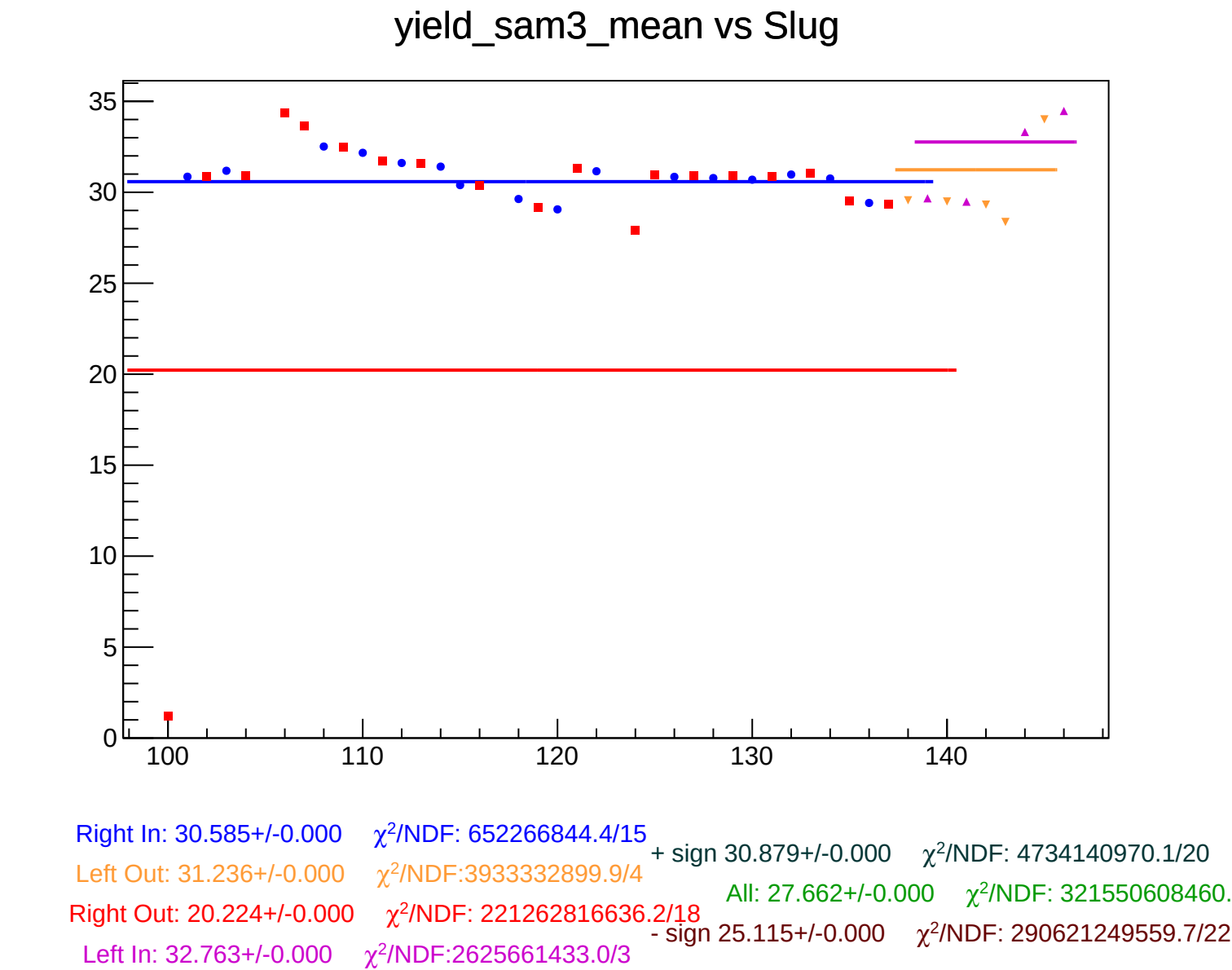
Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.114+/-0.000 χ^2/NDF:363027.9/3

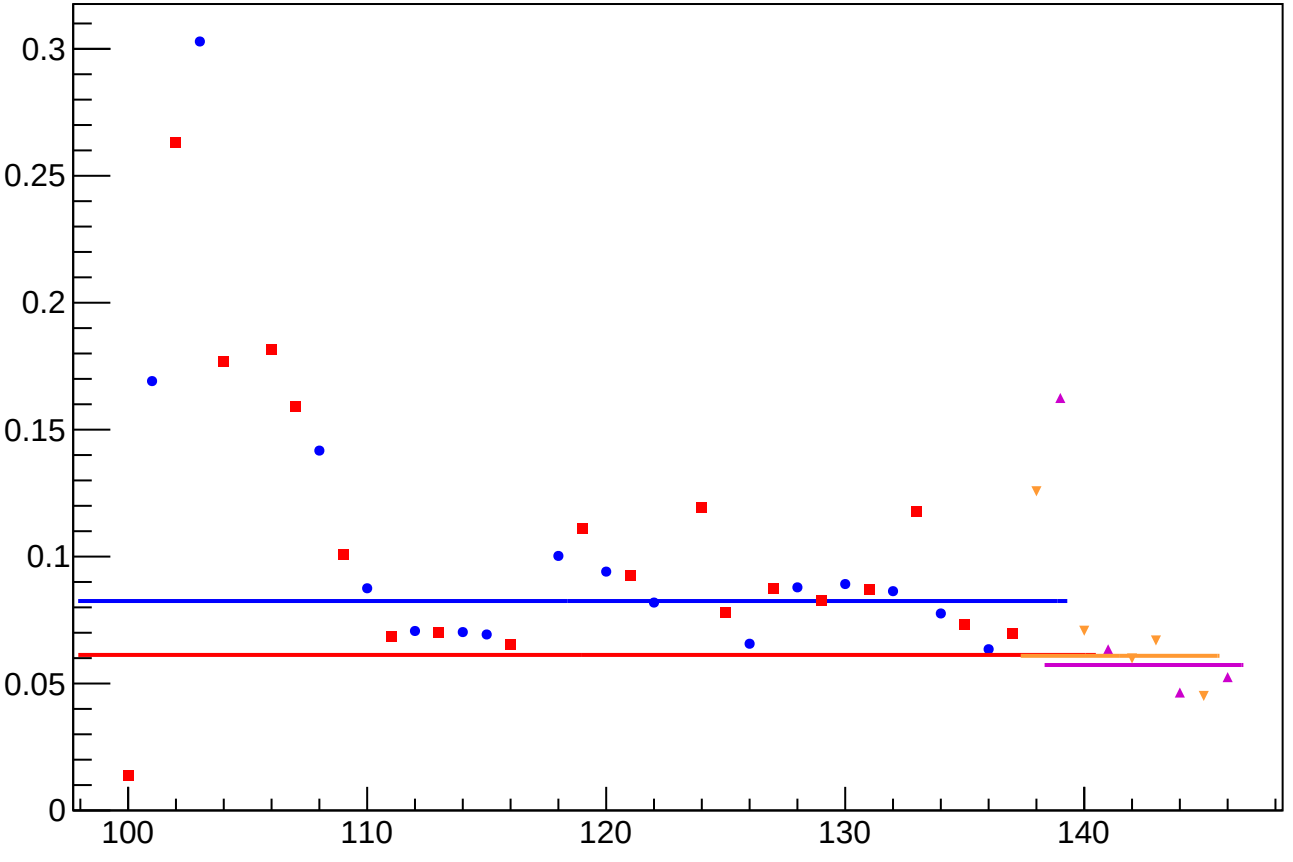
+ sign 0.115+/-0.000 χ^2/NDF: 2063497.0/20

All: 0.122+/-0.000 χ^2/NDF: 4348498.1/43

- sign 0.130+/-0.000 χ^2/NDF: 2153005.7/22


yield_sam3_mean vs Slug
35
30
25
20
15
10
5
0
100
110
120
130
140
Right In: 30.585+/-0.000 χ²/NDF: 652266844.4/15
Left Out: 31.236+/-0.000 χ²/NDF:3933332899.9/4
Right Out: 20.224+/-0.000 χ²/NDF: 221262816636.2/18
Left In: 32.763+/-0.000 χ²/NDF:2625661433.0/3
+ sign 30.879+/-0.000 χ²/NDF: 4734140970.1/20
All: 27.662+/-0.000 χ²/NDF: 321550608460.
- sign 25.115+/-0.000 χ²/NDF: 290621249559.7/22

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.061+/-0.000 χ^2/NDF:516737.7/4

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

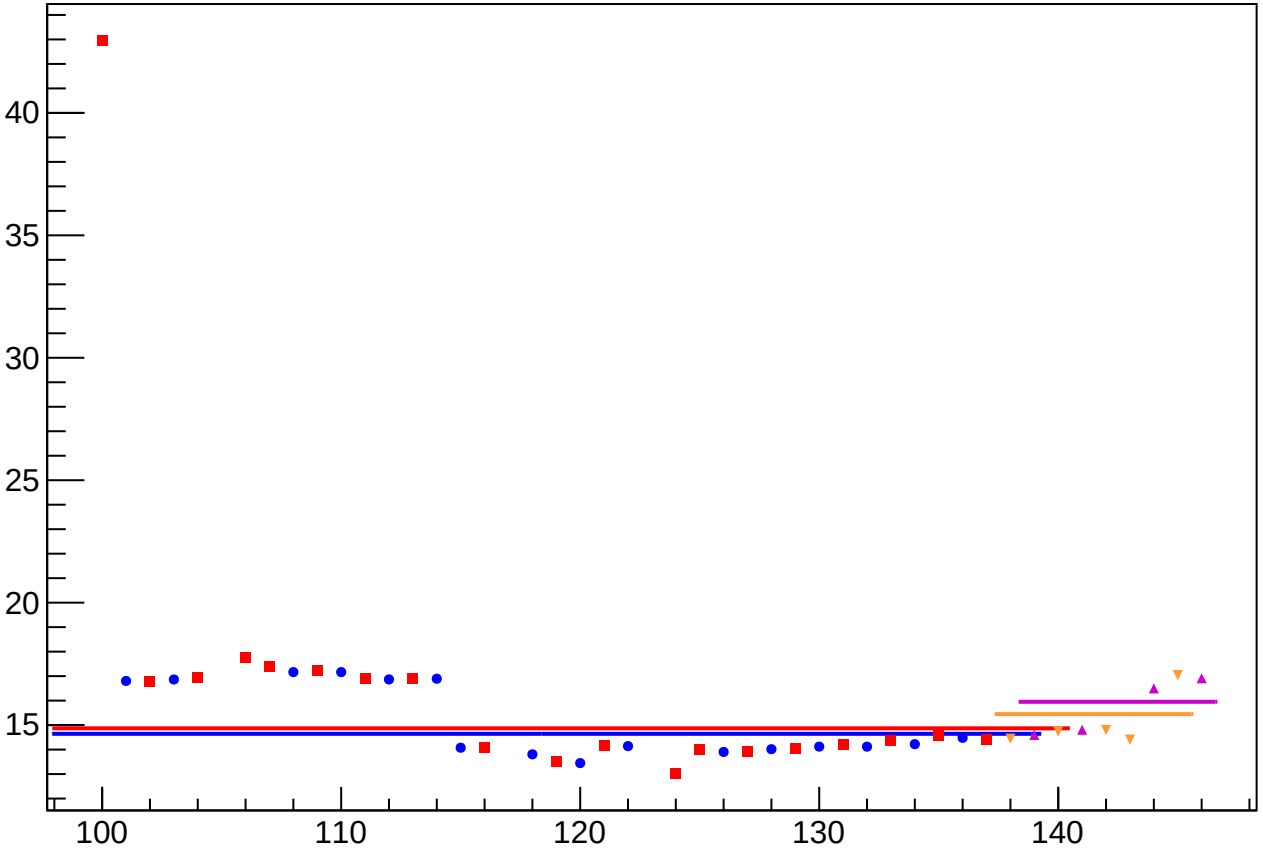
Left In: 0.057+/-0.000 χ^2/NDF:783195.3/3

+ sign 0.073+/-0.000 χ^2/NDF: 2104159.6/20

All: 0.065+/-0.000 χ^2/NDF: 7182422.9/43

- sign 0.060+/-0.000 χ^2/NDF: 4810850.4/22

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.448+/-0.000 χ^2/NDF:888663647.3/4

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

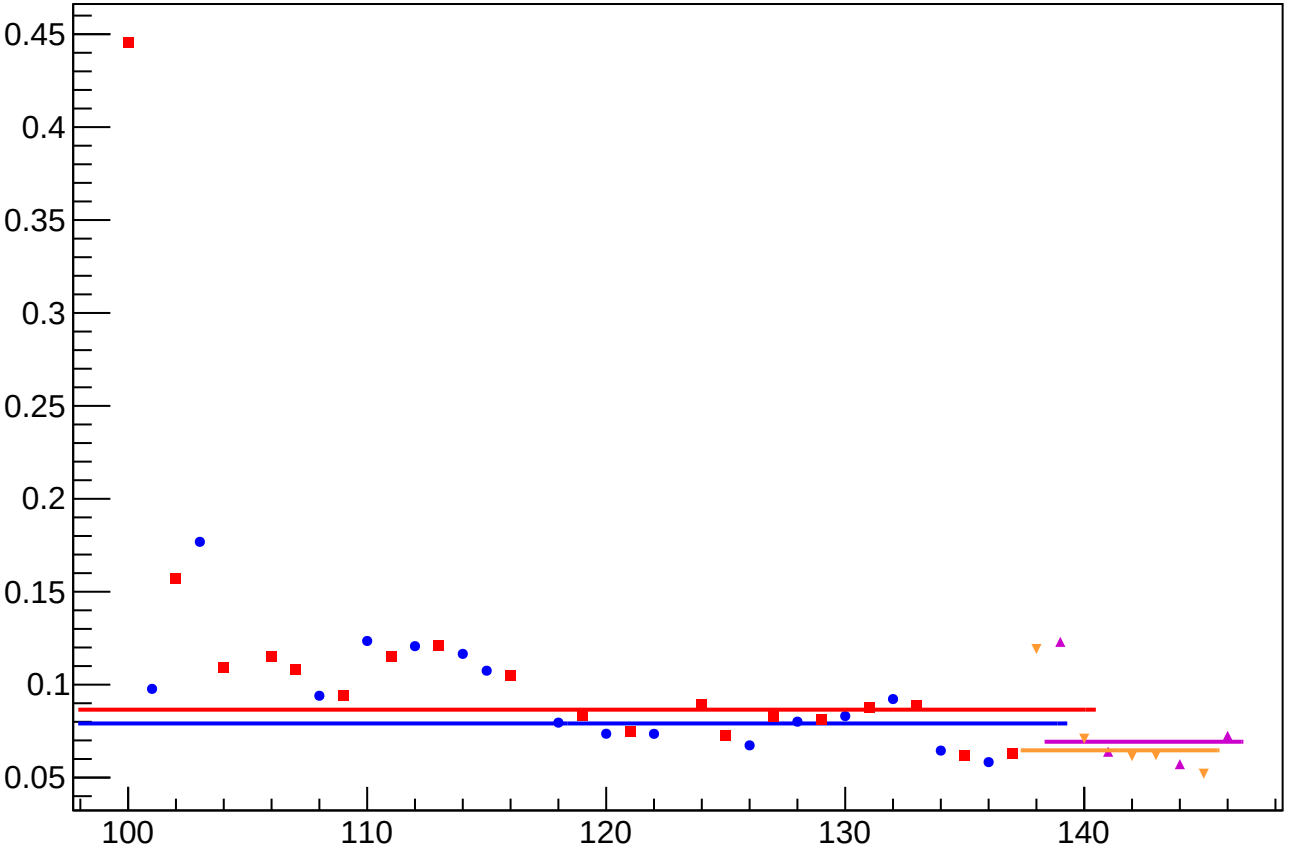
Left In: 15.952+/-0.000 χ^2/NDF:500888432.6/3

+ sign 14.970+/-0.000 χ^2/NDF: 2328573607.0/20

All: 15.129+/-0.000 χ^2/NDF: 5038006468.4/4

- sign 15.310+/-0.000 χ^2/NDF: 2624121367.0/22

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:383397.7/4

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

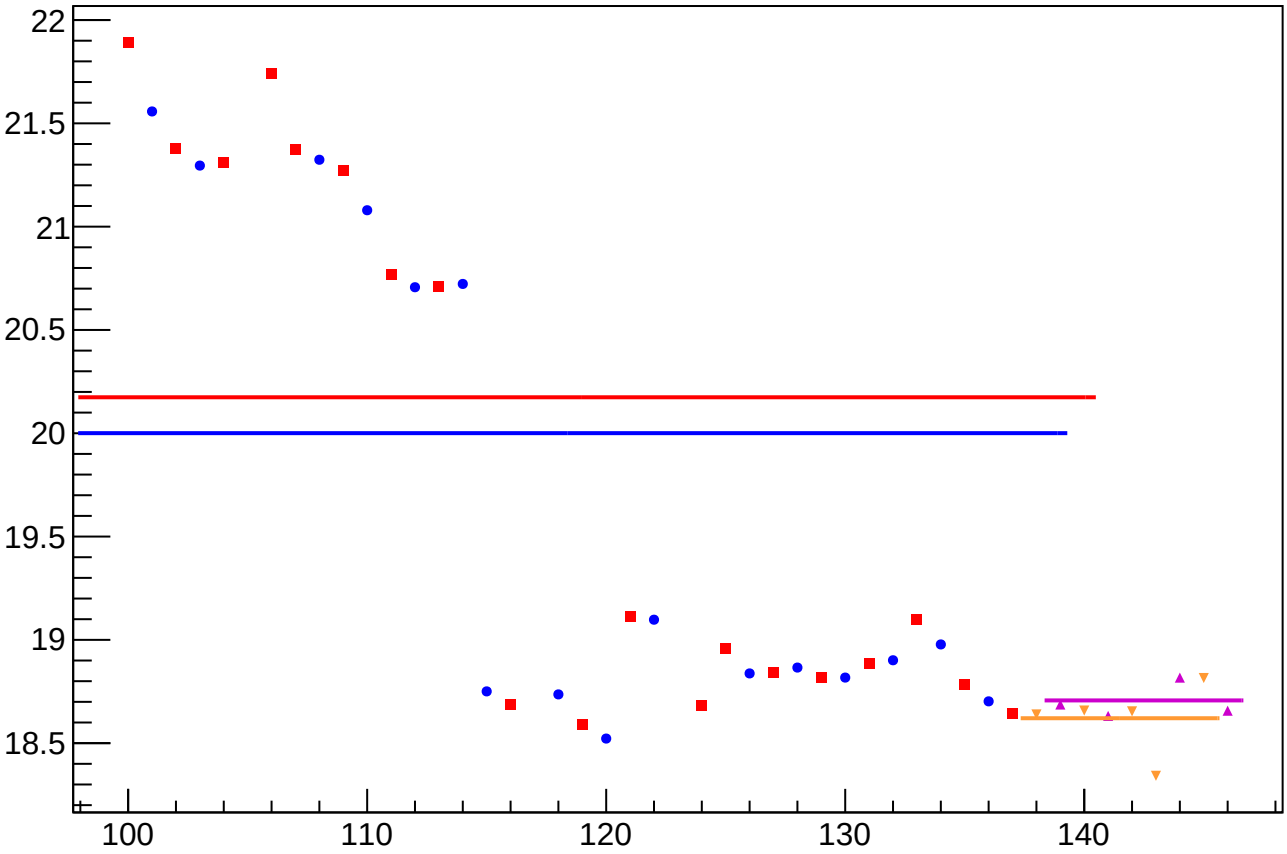
Left In: 0.069+/-0.000 χ^2/NDF:385579.5/3

+ sign 0.073+/-0.000 χ^2/NDF: 1460903.5/20

All: 0.076+/-0.000 χ^2/NDF: 2896871.6/43

- sign 0.080+/-0.000 χ^2/NDF: 1378432.0/22

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.621+/-0.000 χ^2/NDF:103896077.7/4

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

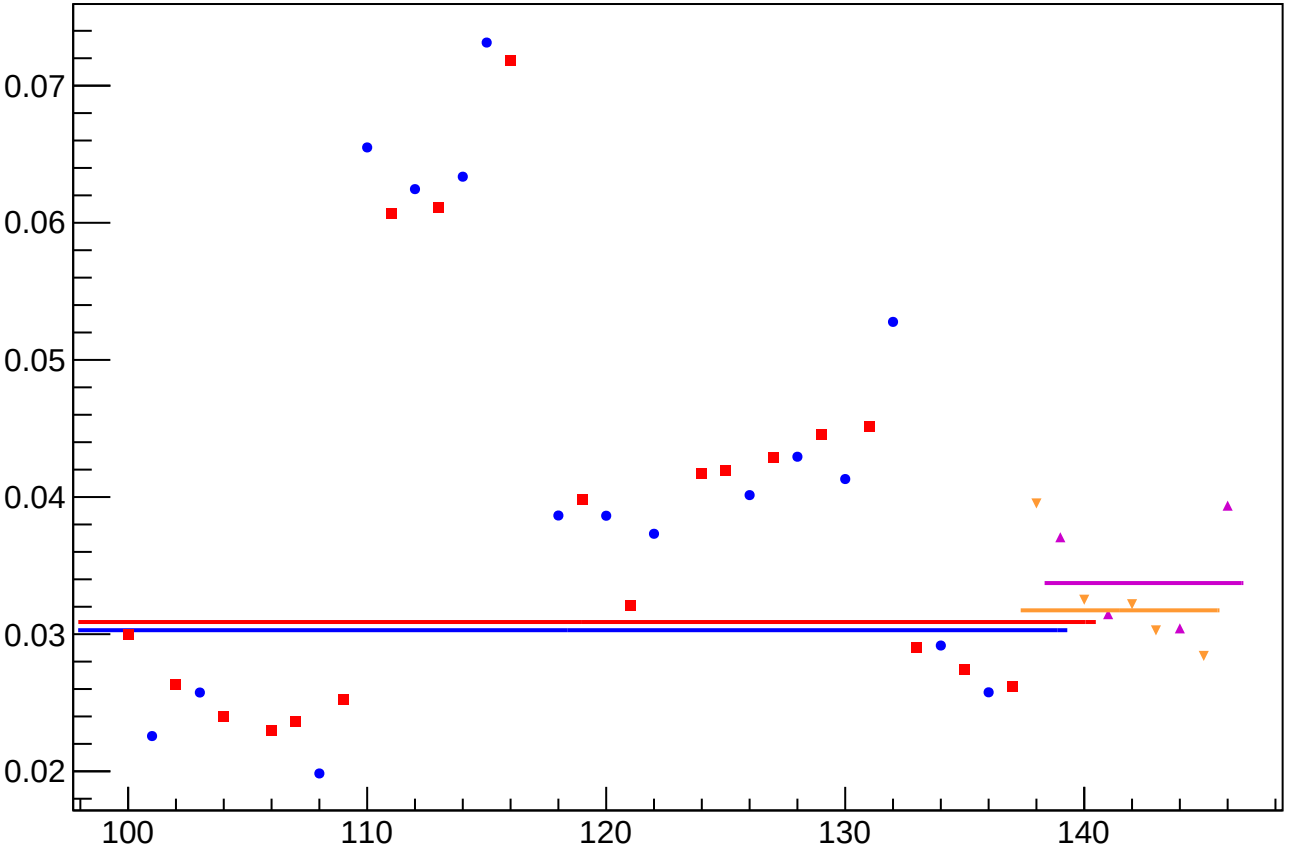
Left In: 18.707+/-0.000 χ^2/NDF:17546995.5/3

+ sign 19.524+/-0.000 χ^2/NDF: 15256480544.2/20

All: 19.621+/-0.000 χ^2/NDF: 30198671893.9

- sign 19.724+/-0.000 χ^2/NDF: 14748644708.0/22

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:83293.6/4

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

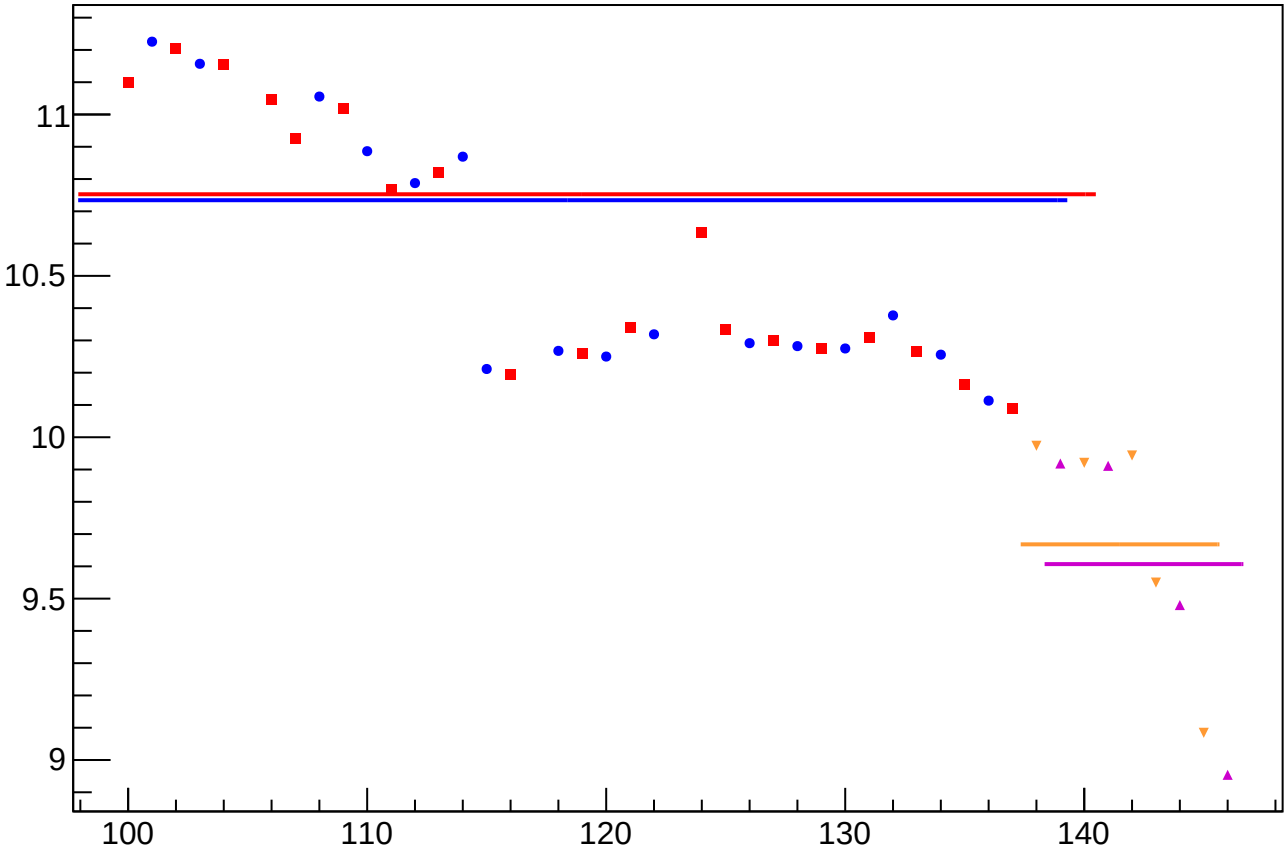
Left In: 0.034+/-0.000 χ^2/NDF:75858.8/3

+ sign 0.031+/-0.000 χ^2/NDF: 1540088.9/20

All: 0.031+/-0.000 χ^2/NDF: 2862000.6/43

- sign 0.032+/-0.000 χ^2/NDF: 1312870.4/22

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.668+/-0.000 χ^2/NDF:1050381888.9/4

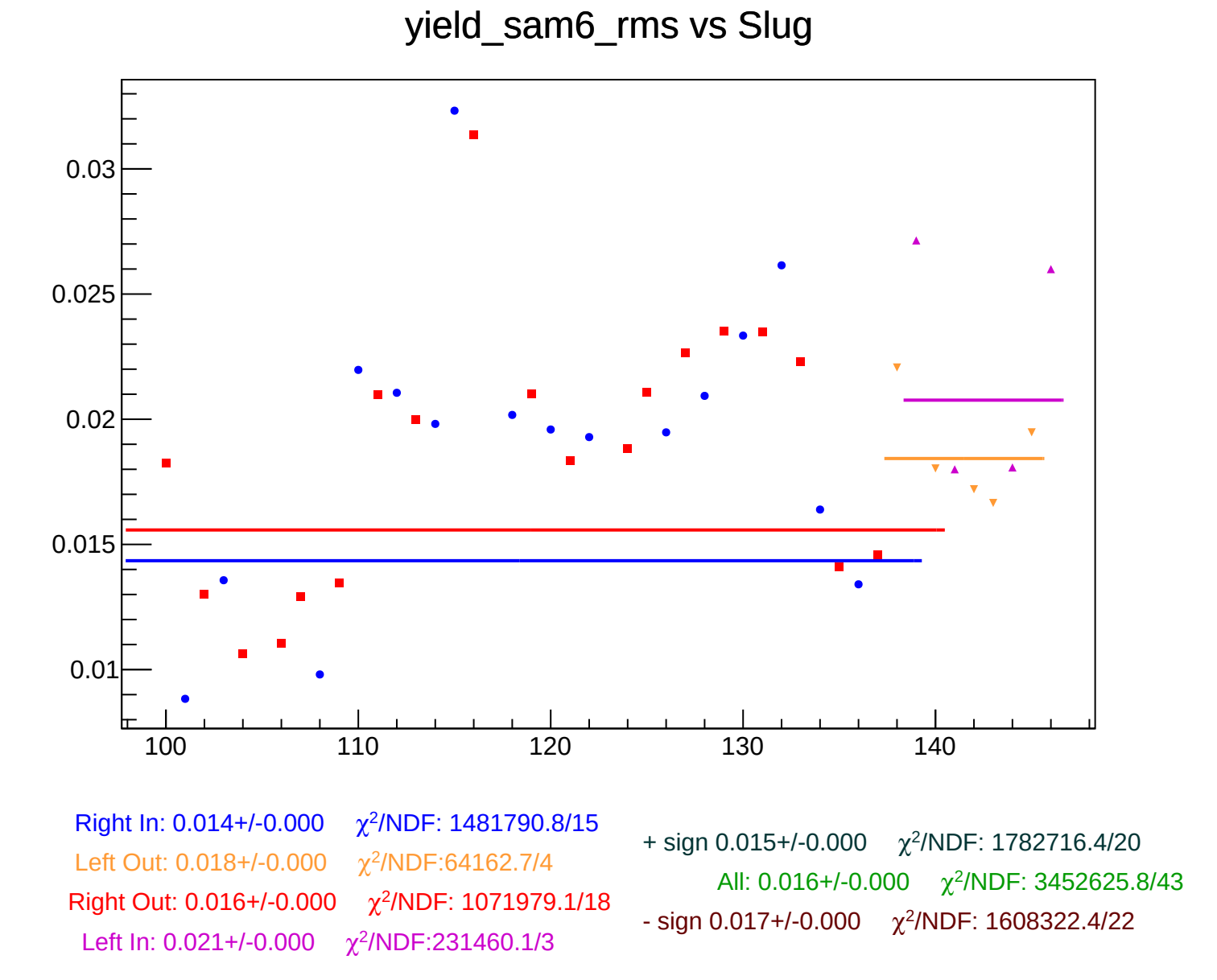
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.607+/-0.000 χ^2/NDF:889843418.4/3

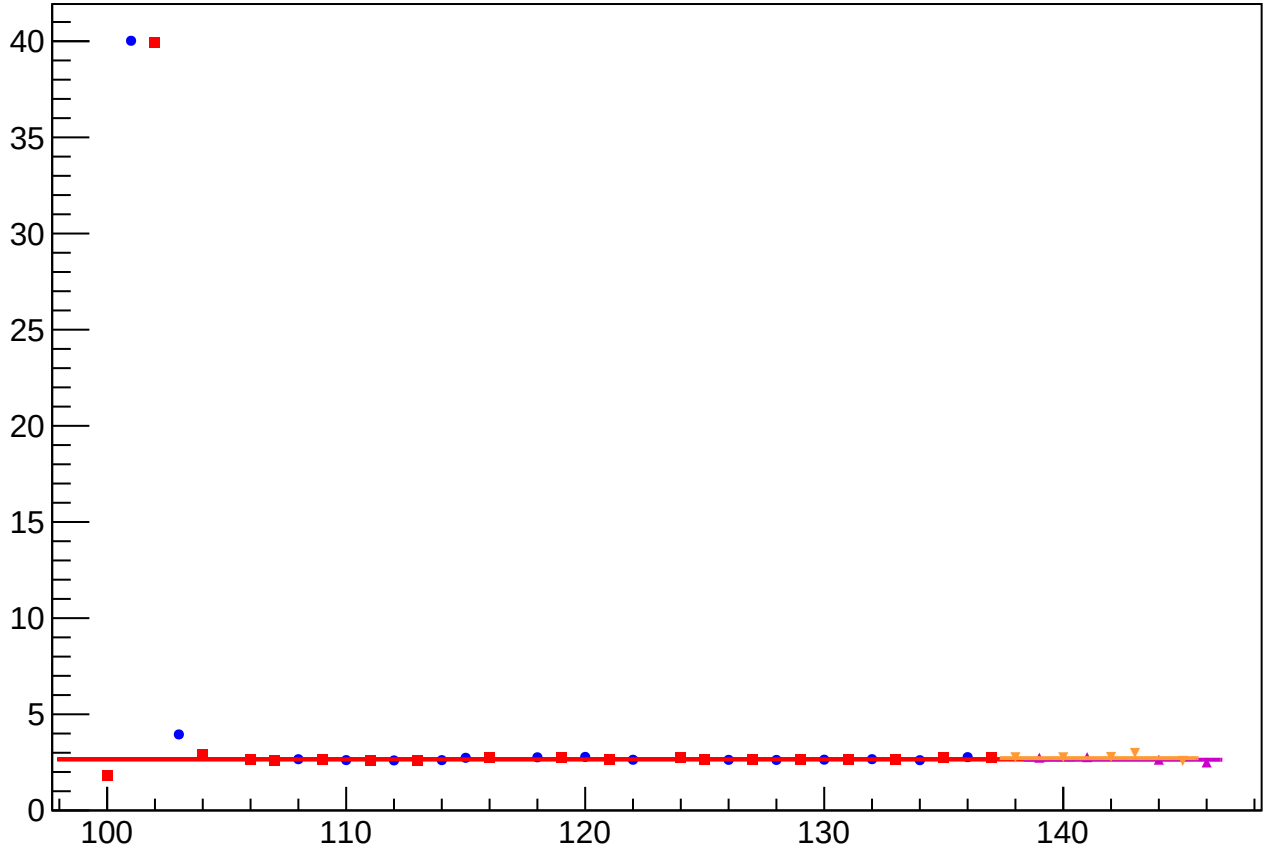
+ sign 10.460+/-0.000 χ^2/NDF: 15007011173.7/20

All: 10.478+/-0.000 χ^2/NDF: 27708661993.2

- sign 10.498+/-0.000 χ^2/NDF: 12676282527.2/22


yield_sam6_rms vs Slug
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
Right In: 0.014+/-0.000 χ²/NDF: 1481790.8/15
Left Out: 0.018+/-0.000 χ²/NDF:64162.7/4
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.021+/-0.000 χ²/NDF:231460.1/3
+ sign 0.015+/-0.000 χ²/NDF: 1782716.4/20
All: 0.016+/-0.000 χ²/NDF: 3452625.8/43
- sign 0.017+/-0.000 χ²/NDF: 1608322.4/22

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.719+/-0.000 χ^2/NDF:13613277704.8/4

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

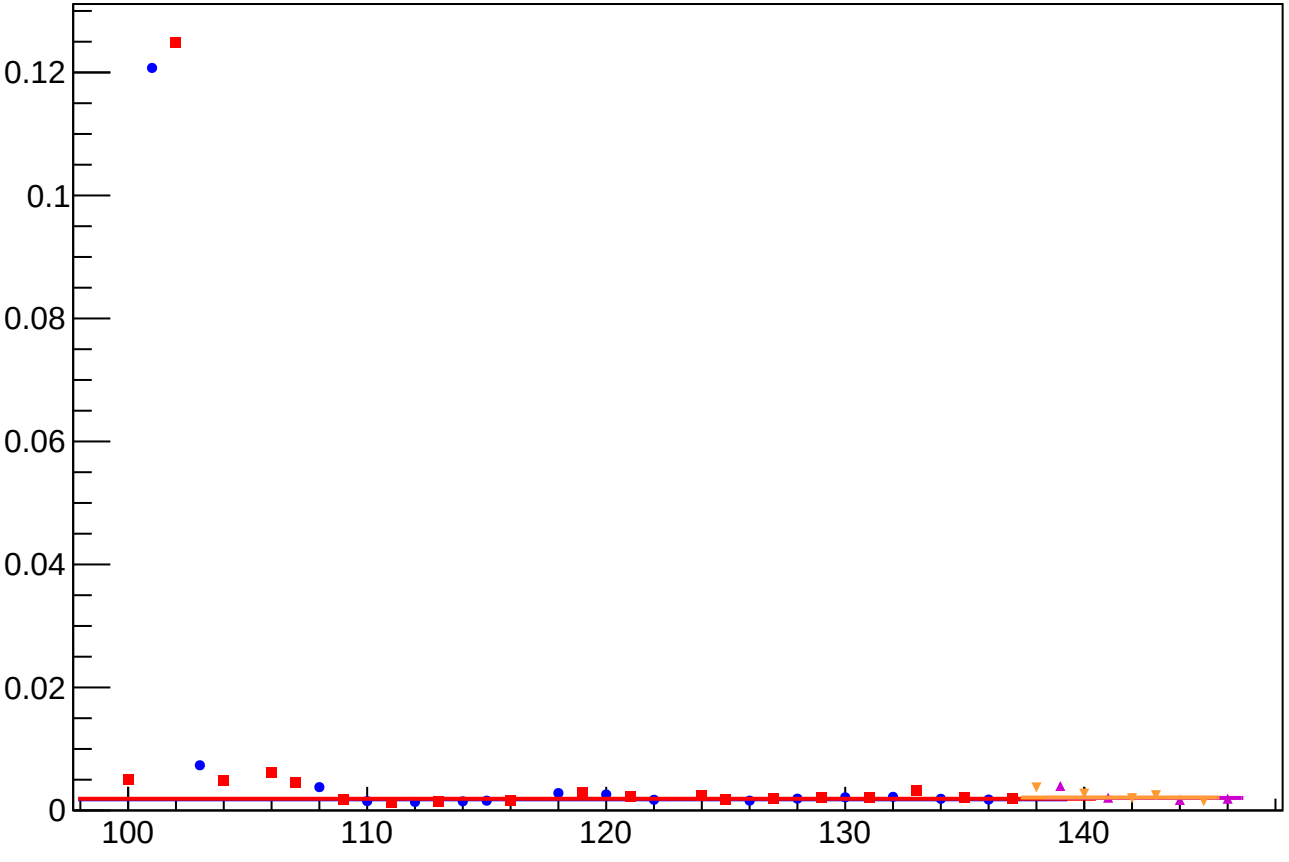
Left In: 2.638+/-0.000 χ^2/NDF:7318585065.3/3

+ sign 2.680+/-0.000 χ^2/NDF: 82776857999.4/20

All: 2.665+/-0.000 χ^2/NDF: 156213766438.6

- sign 2.651+/-0.000 χ^2/NDF: 72533884068.7/22

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:580783.1/4

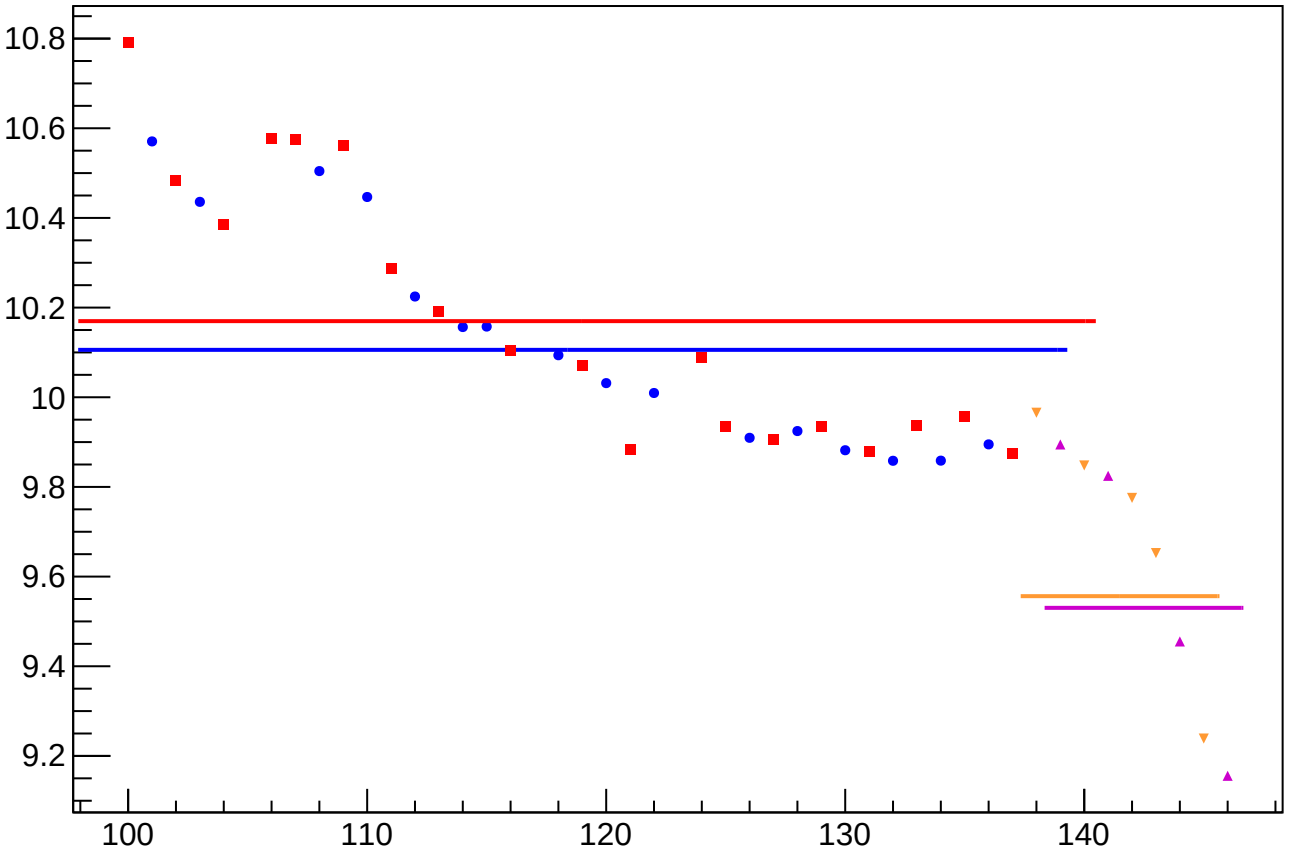
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:441405.0/3

+ sign 0.002+/-0.000 χ^2/NDF: 2471538.7/20

All: 0.002+/-0.000 χ^2/NDF: 5459092.3/43

- sign 0.002+/-0.000 χ^2/NDF: 2983503.9/22



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.556+/-0.000 χ^2/NDF:5133680157.0/4

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

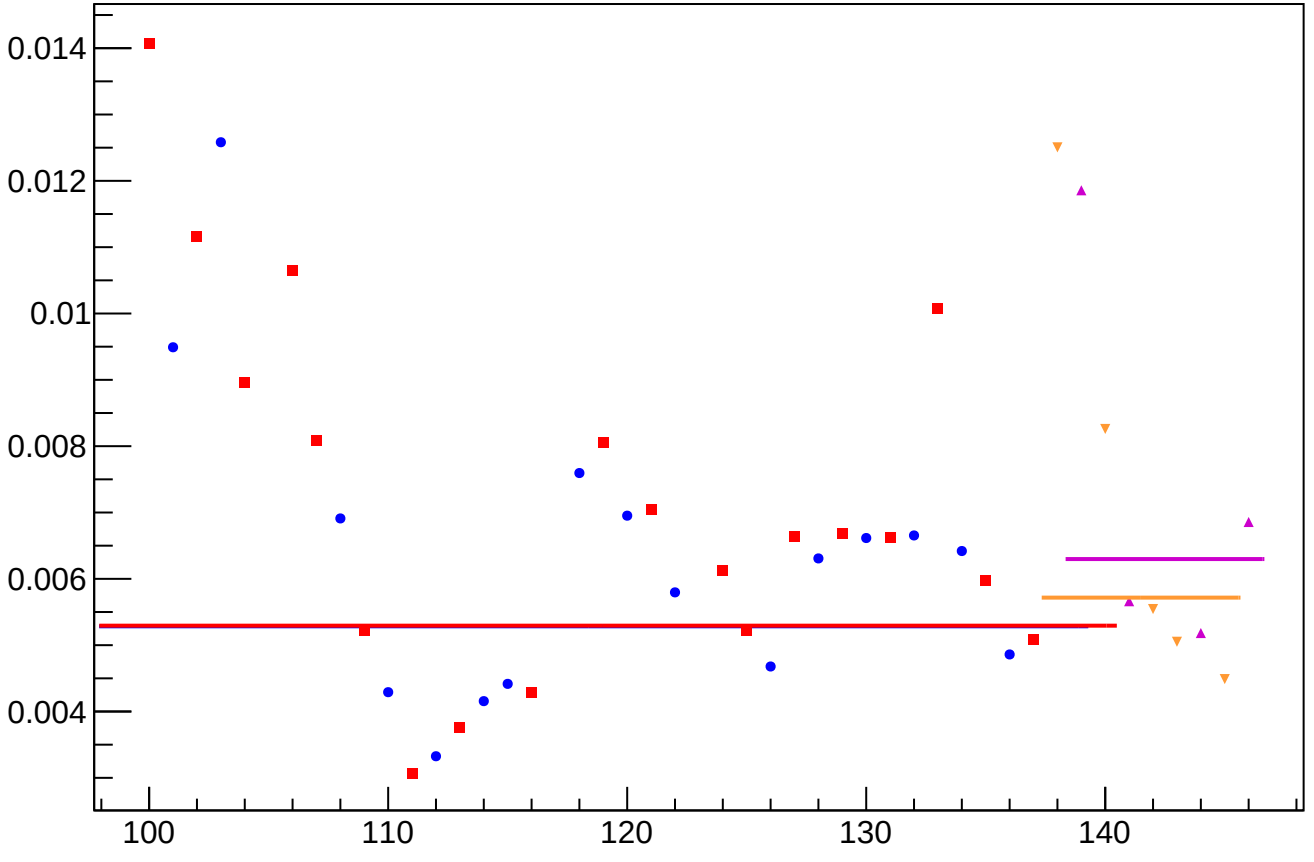
Left In: 9.530+/-0.000 χ^2/NDF:4754949572.2/3

+ sign 9.949+/-0.000 χ^2/NDF: 30877712793.1/20

All: 9.980+/-0.000 χ^2/NDF: 65311621073.2/4

- sign 10.011+/-0.000 χ^2/NDF: 33935412033.2/22

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:635863.0/4

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

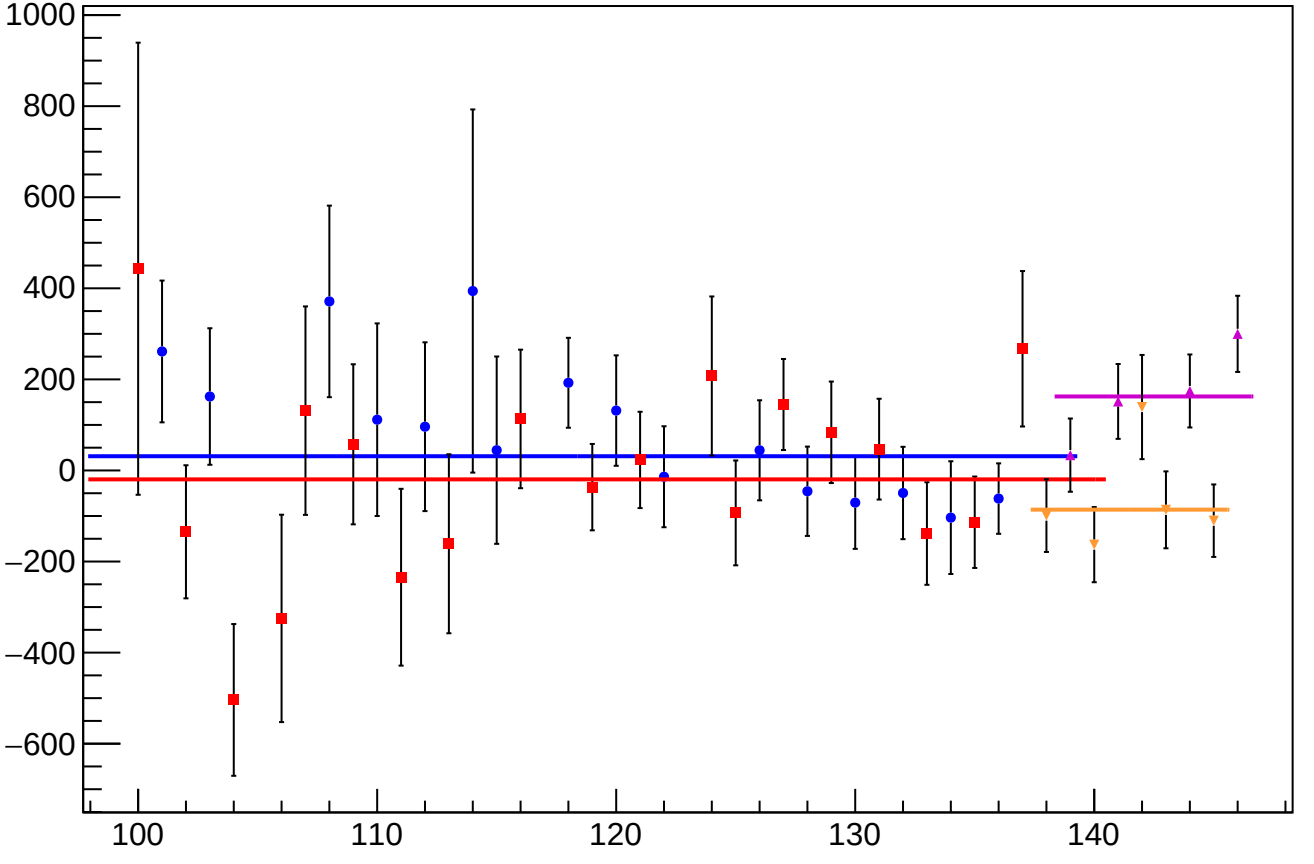
Left In: 0.006+/-0.000 χ^2/NDF:431967.3/3

+ sign 0.005+/-0.000 χ^2/NDF: 1930580.8/20

All: 0.005+/-0.000 χ^2/NDF: 4258612.2/43

- sign 0.006+/-0.000 χ^2/NDF: 2323074.7/22

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -86.056+/-38.405 χ^2/NDF:4.9/4

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

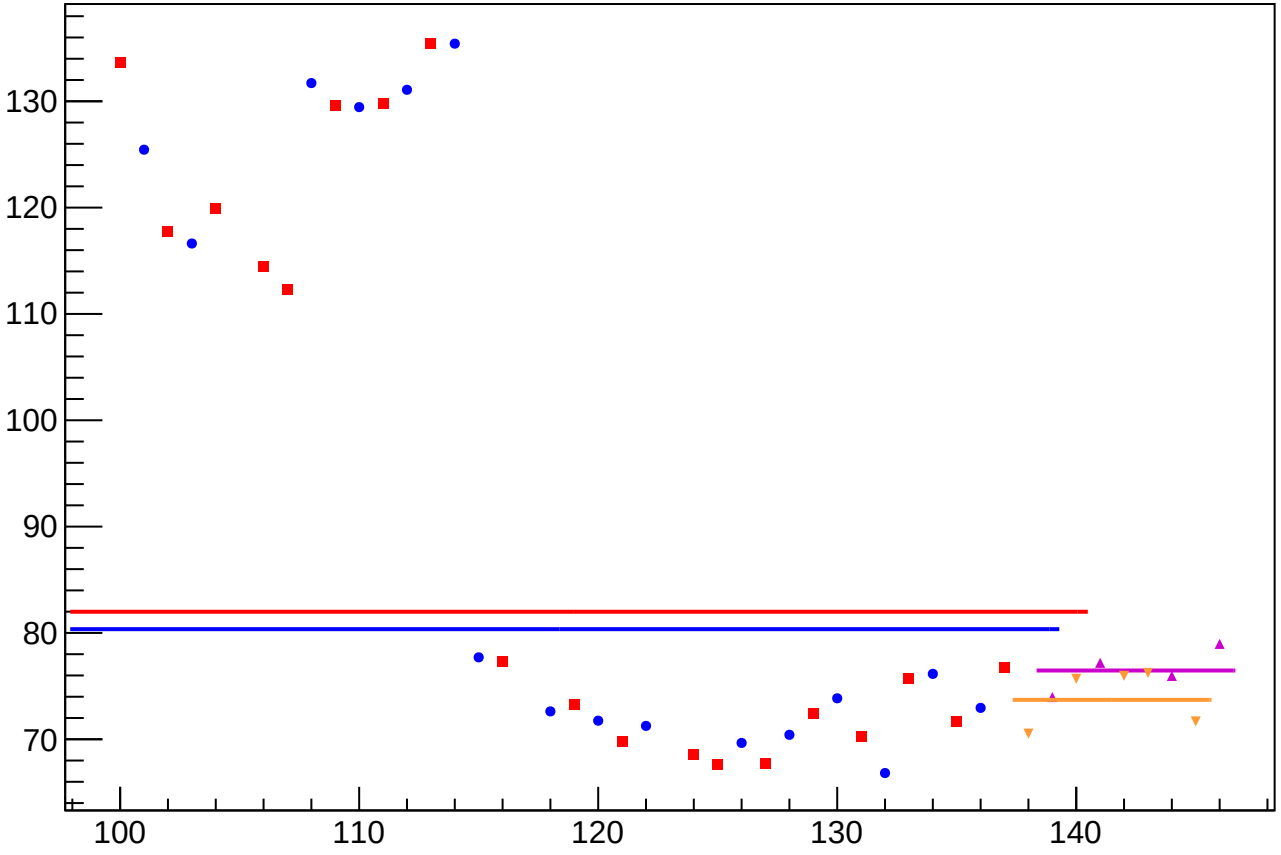
Left In: 162.483+/-40.776 χ^2/NDF:5.3/3

+ sign -14.641+/-24.021 χ^2/NDF: 25.6/20

All: 15.442+/-17.223 χ^2/NDF: 72.7/43

- sign 47.269+/-24.708 χ^2/NDF: 43.8/22

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 73.707+/-0.027 χ^2/NDF:8199.5/4

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

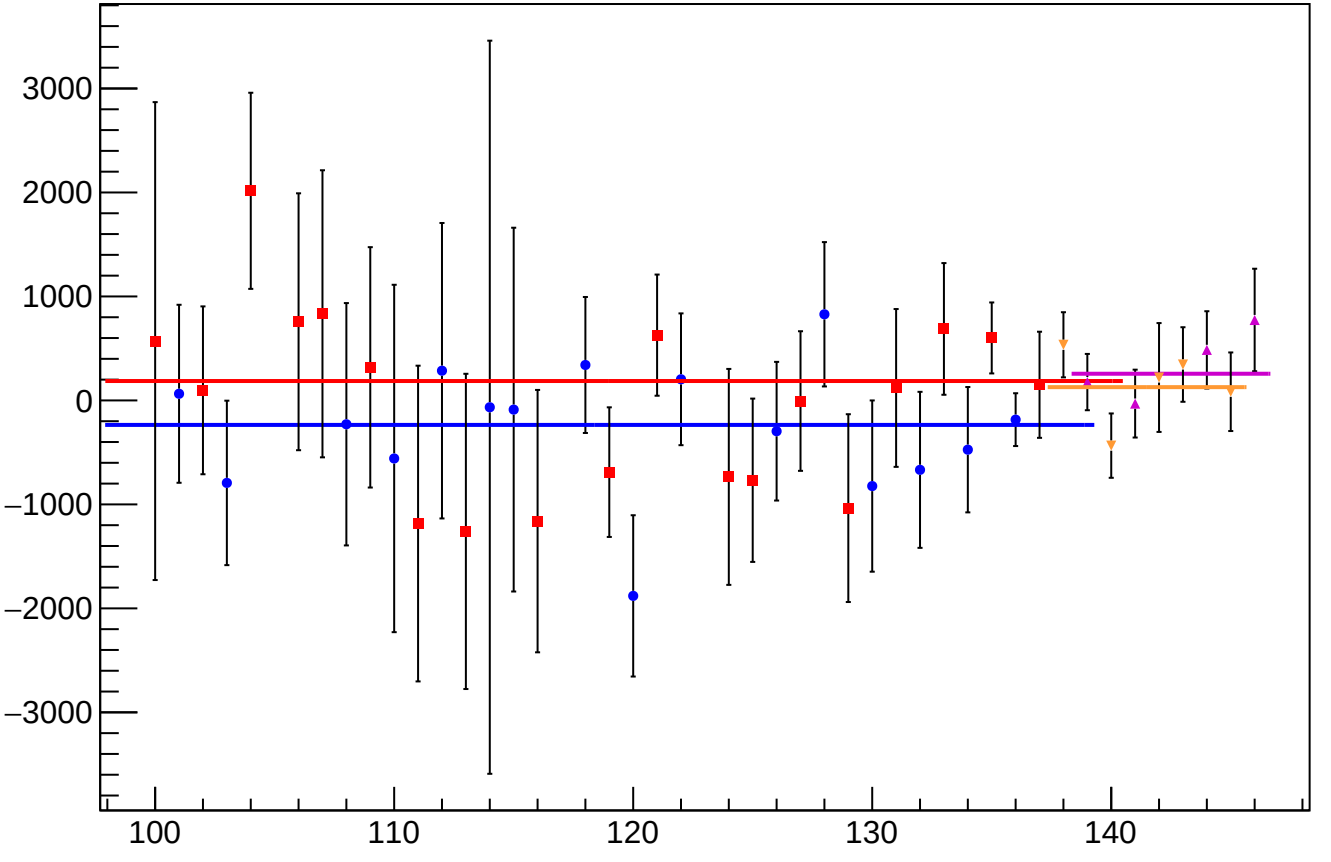
Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

+ sign 77.754+/-0.017 χ^2/NDF: 884709.4/20

All: 78.828+/-0.012 χ^2/NDF: 1852478.0/43

- sign 79.964+/-0.017 χ^2/NDF: 959540.8/22

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 127.694+/-159.988 χ^2/NDF:5.4/4

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

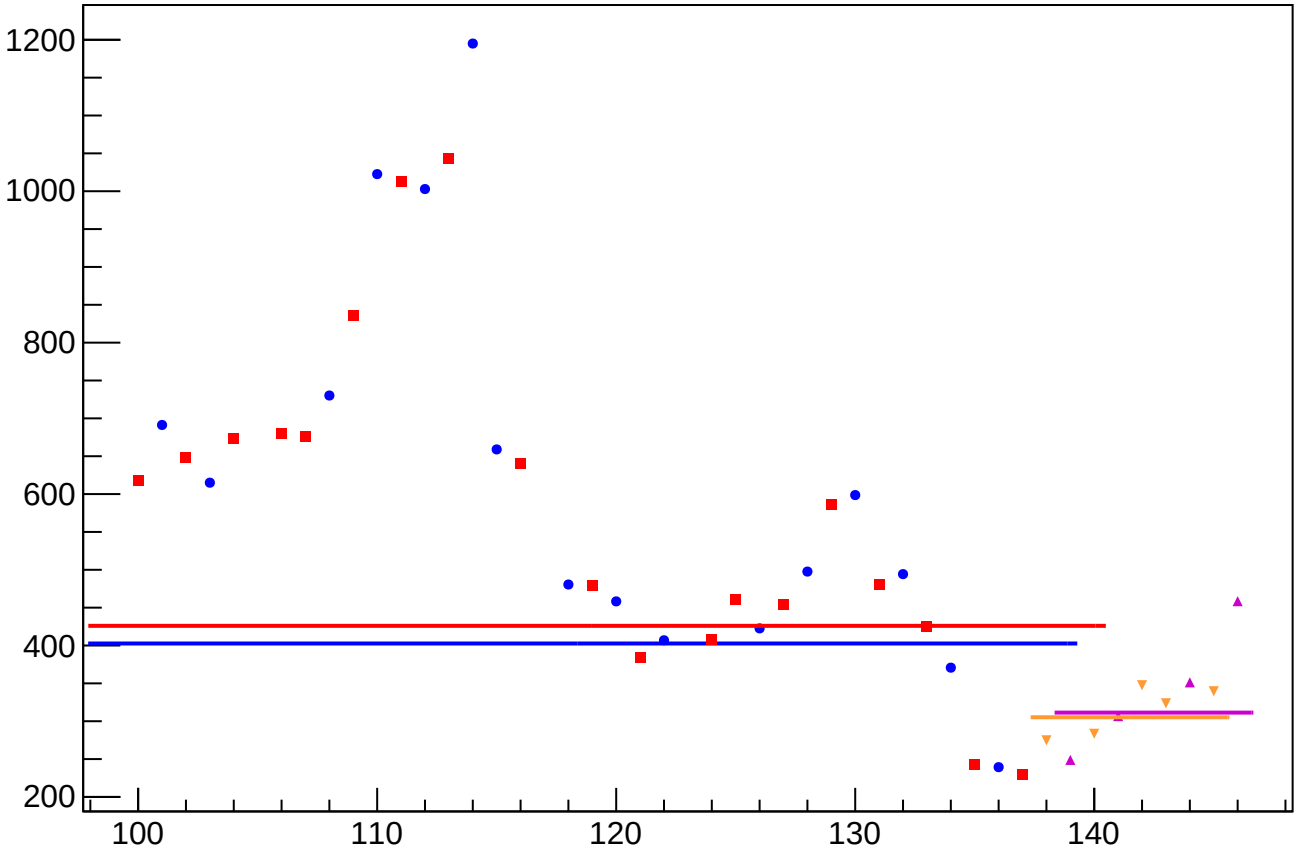
Left In: 256.624+/-170.531 χ^2/NDF:2.3/3

\+ sign -49.676+/-114.440 χ^2/NDF: 17.9/20

All: 78.927+/-82.993 χ^2/NDF: 38.9/43

\- sign 221.593+/-120.535 χ^2/NDF: 18.4/22

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 305.229+/-0.113 χ^2/NDF:63675.0/4

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

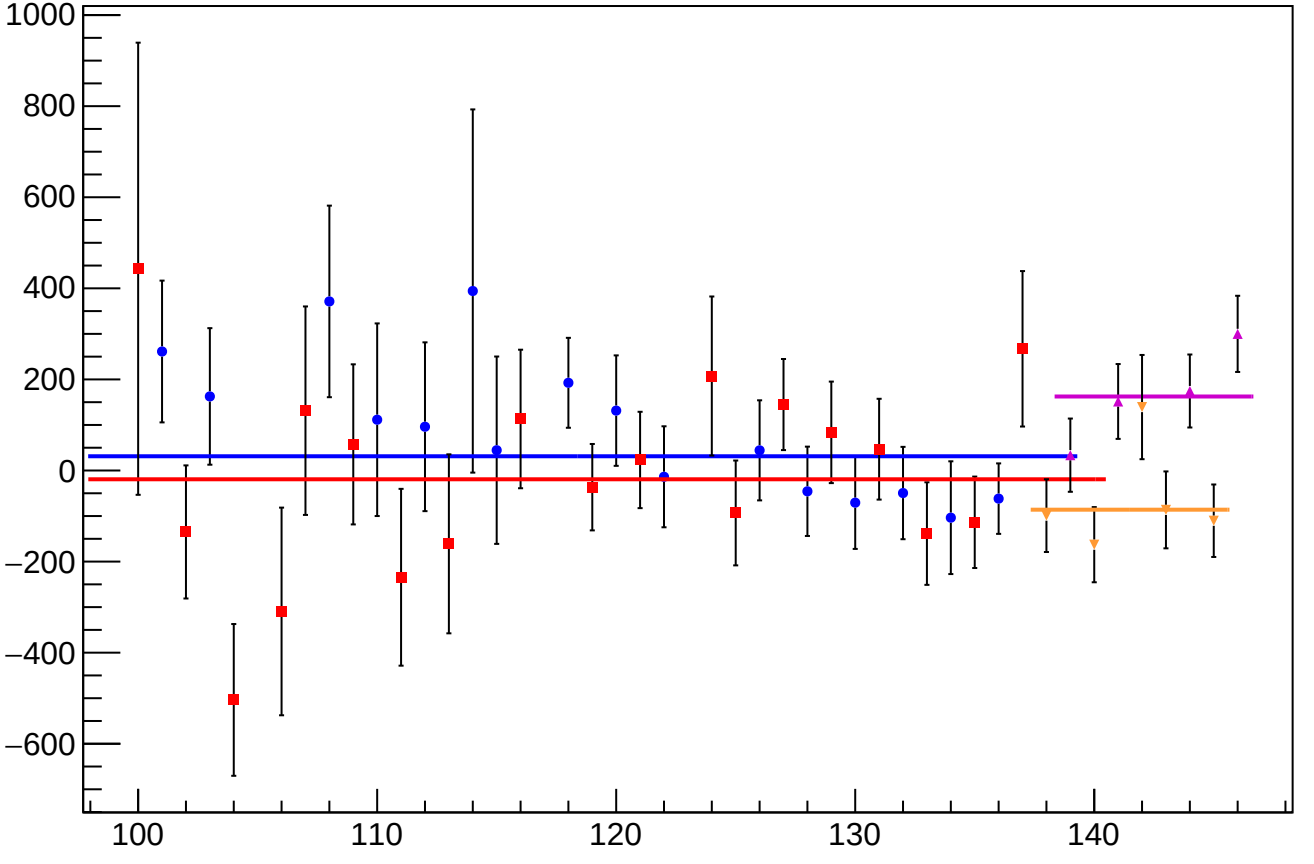
Left In: 311.381+/-0.121 χ^2/NDF:308307.5/3

+ sign 352.807+/-0.081 χ^2/NDF: 2785965.2/20

All: 360.354+/-0.059 χ^2/NDF: 5933374.3/43

- sign 368.726+/-0.085 χ^2/NDF: 3129061.3/22

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -86.055+/-38.405 χ^2/NDF:4.9/4

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

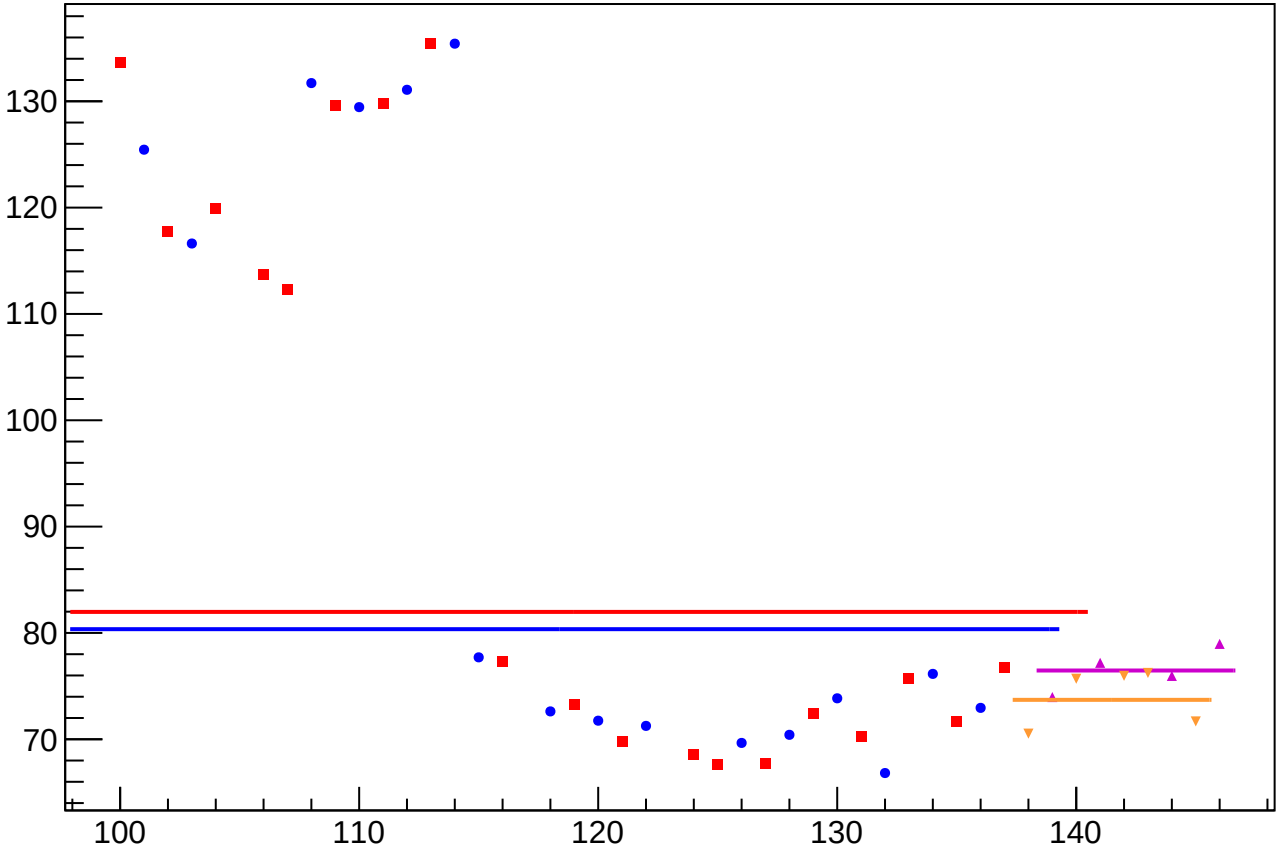
Left In: 162.489+/-40.776 χ^2/NDF:5.3/3

+ sign -14.635+/-24.021 χ^2/NDF: 25.6/20

All: 15.536+/-17.223 χ^2/NDF: 72.5/43

- sign 47.458+/-24.708 χ^2/NDF: 43.6/22

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 73.707+/-0.027 χ^2/NDF:8199.5/4

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

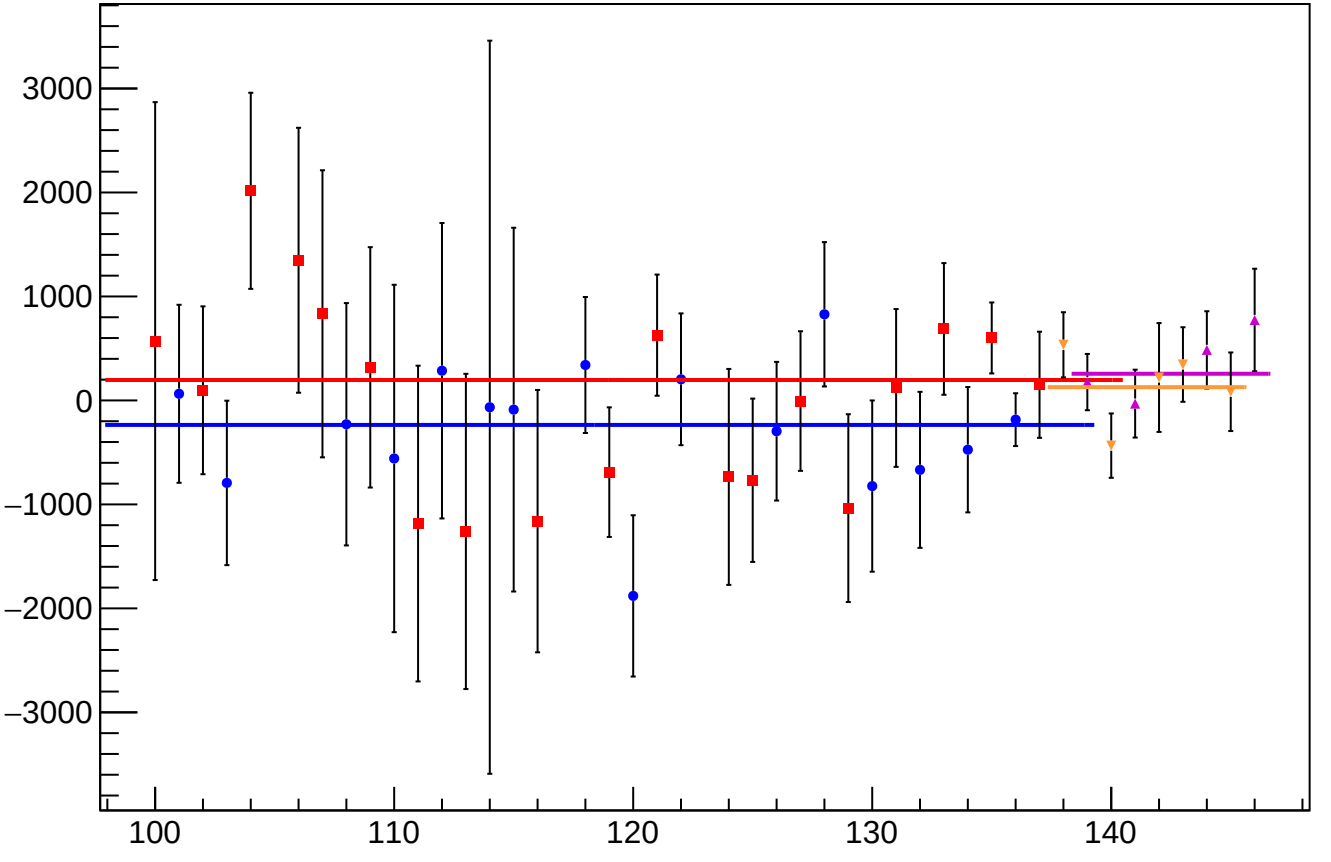
Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

+ sign 77.754+/-0.017 χ^2/NDF: 884709.5/20

All: 78.823+/-0.012 χ^2/NDF: 1850408.7/43

- sign 79.954+/-0.017 χ^2/NDF: 957542.8/22

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 127.694+/-159.987 χ^2/NDF:5.4/4

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

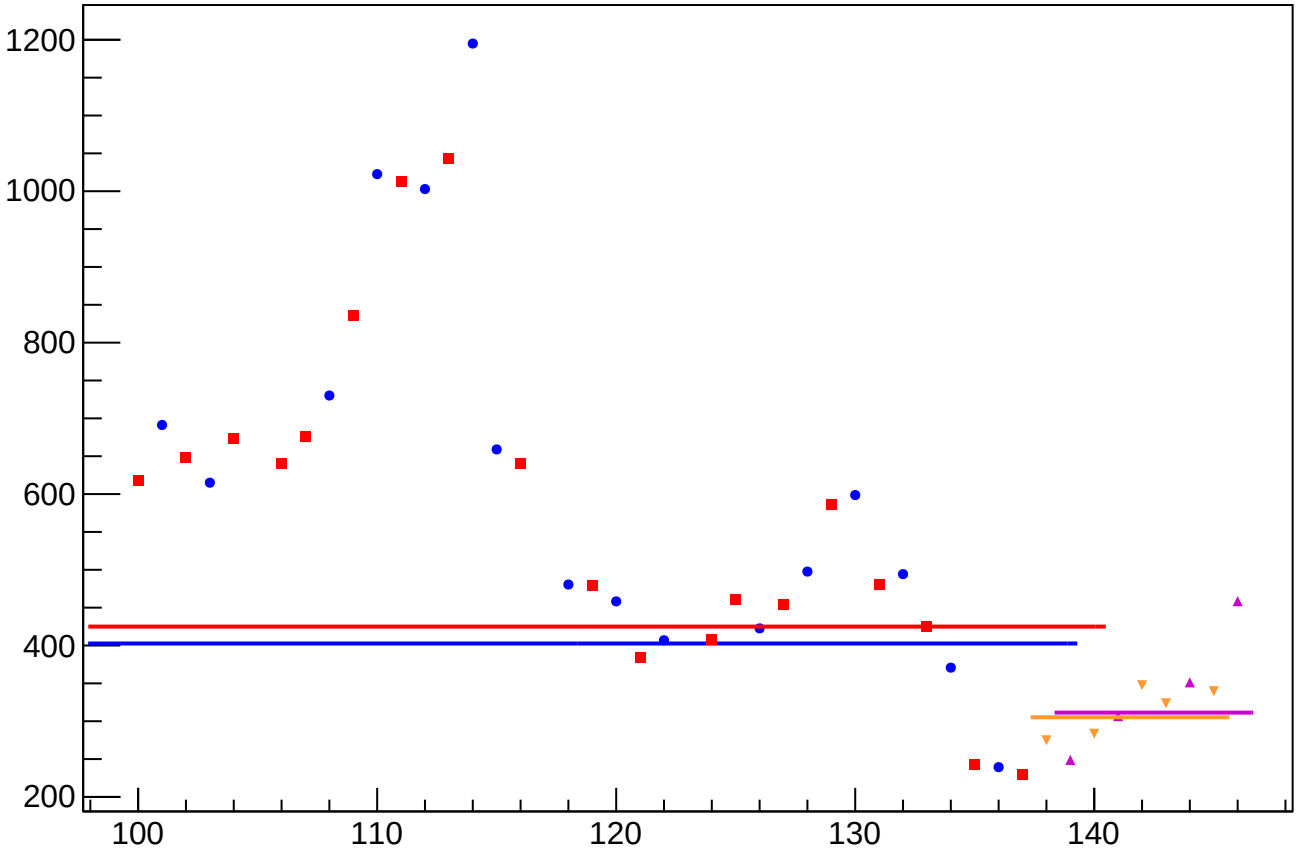
Left In: 256.625+/-170.531 χ^2/NDF:2.3/3

\+ sign -49.675+/-114.440 χ^2/NDF: 17.9/20

All: 81.259+/-83.004 χ^2/NDF: 39.6/43

\- sign 226.595+/-120.570 χ^2/NDF: 19.0/22

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 305.229+/-0.113 χ^2/NDF:63676.3/4

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

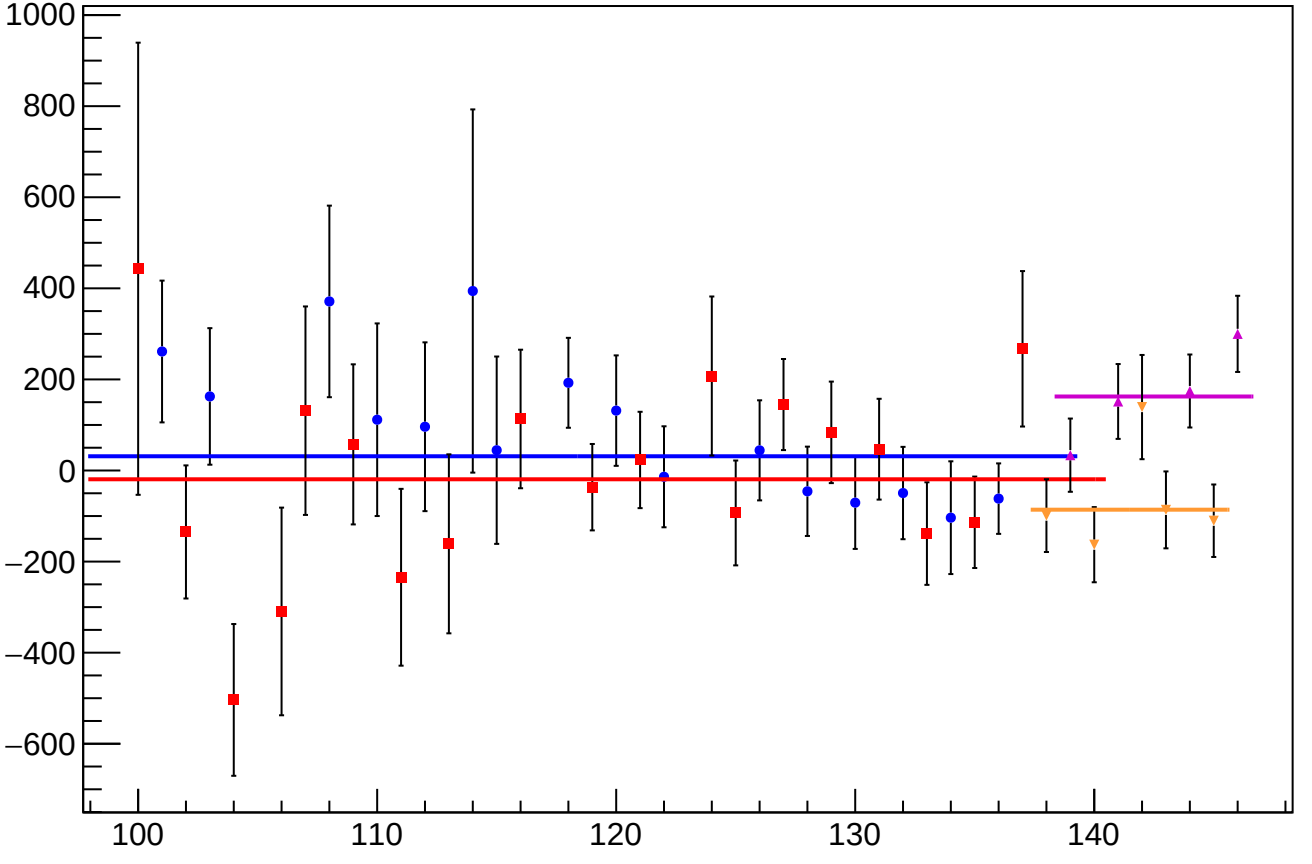
Left In: 311.381+/-0.121 χ^2/NDF:308310.0/3

+ sign 352.807+/-0.081 χ^2/NDF: 2785966.4/20

All: 360.101+/-0.059 χ^2/NDF: 5896364.9/43

- sign 368.197+/-0.085 χ^2/NDF: 3093255.2/22

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -86.055+/-38.405 χ^2/NDF:4.9/4

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

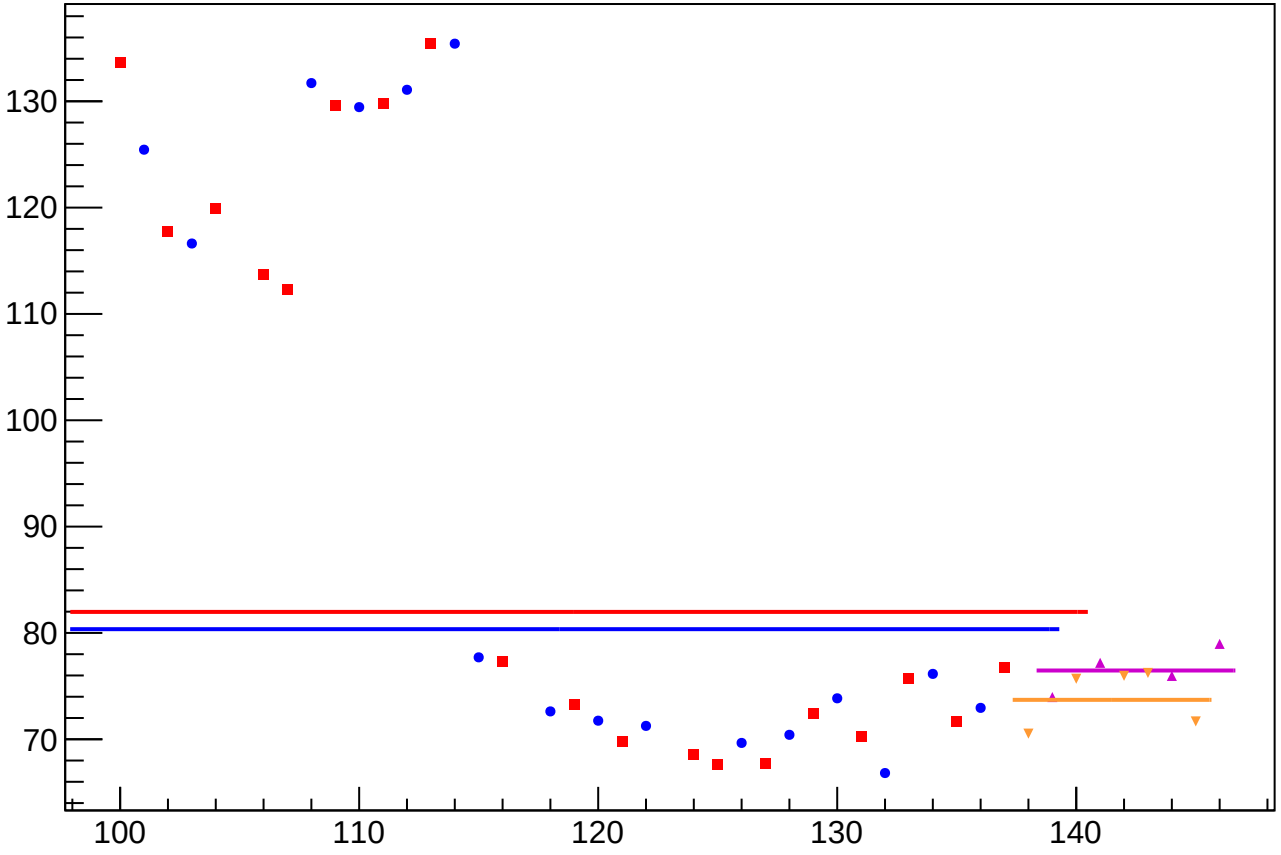
Left In: 162.489+/-40.776 χ^2/NDF:5.3/3

+ sign -14.635+/-24.021 χ^2/NDF: 25.6/20

All: 15.536+/-17.223 χ^2/NDF: 72.5/43

- sign 47.458+/-24.708 χ^2/NDF: 43.6/22

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 73.707+/-0.027 χ^2/NDF:8199.5/4

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

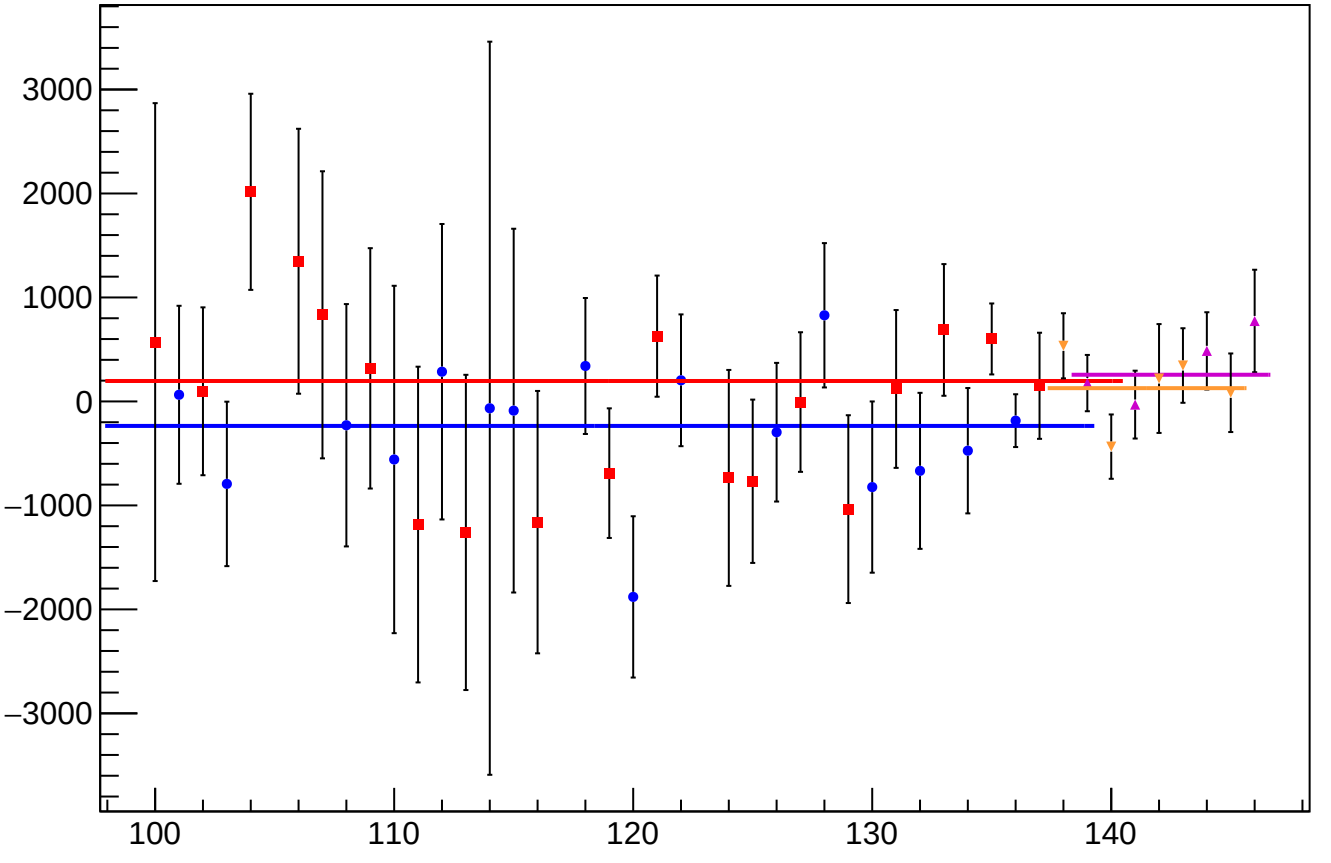
Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

+ sign 77.754+/-0.017 χ^2/NDF: 884709.5/20

All: 78.823+/-0.012 χ^2/NDF: 1850408.7/43

- sign 79.954+/-0.017 χ^2/NDF: 957542.8/22

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 127.694+/-159.987 χ^2/NDF:5.4/4

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

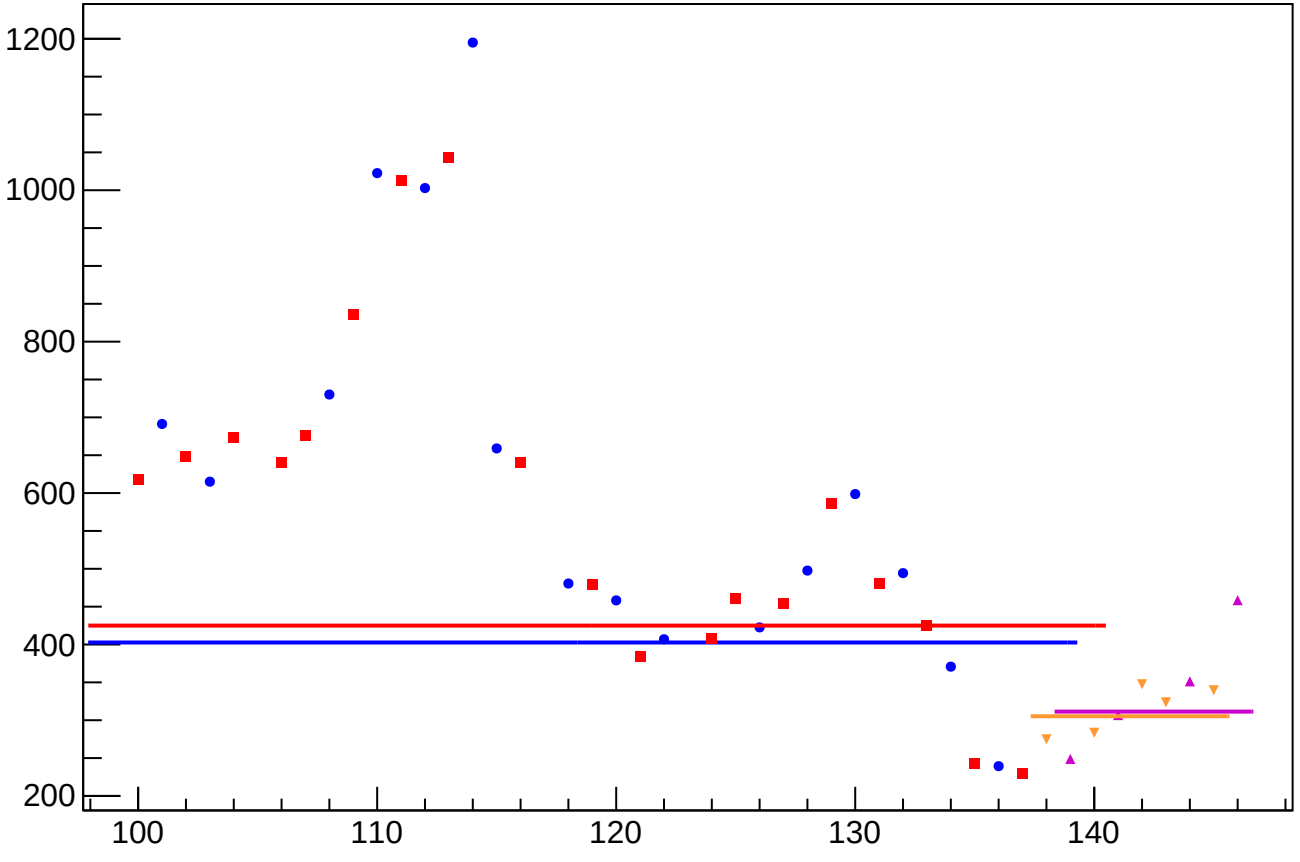
Left In: 256.625+/-170.531 χ^2/NDF:2.3/3

+ sign -49.675+/-114.440 χ^2/NDF: 17.9/20

All: 81.259+/-83.004 χ^2/NDF: 39.6/43

- sign 226.595+/-120.570 χ^2/NDF: 19.0/22

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 305.229+/-0.113 χ^2/NDF:63676.3/4

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

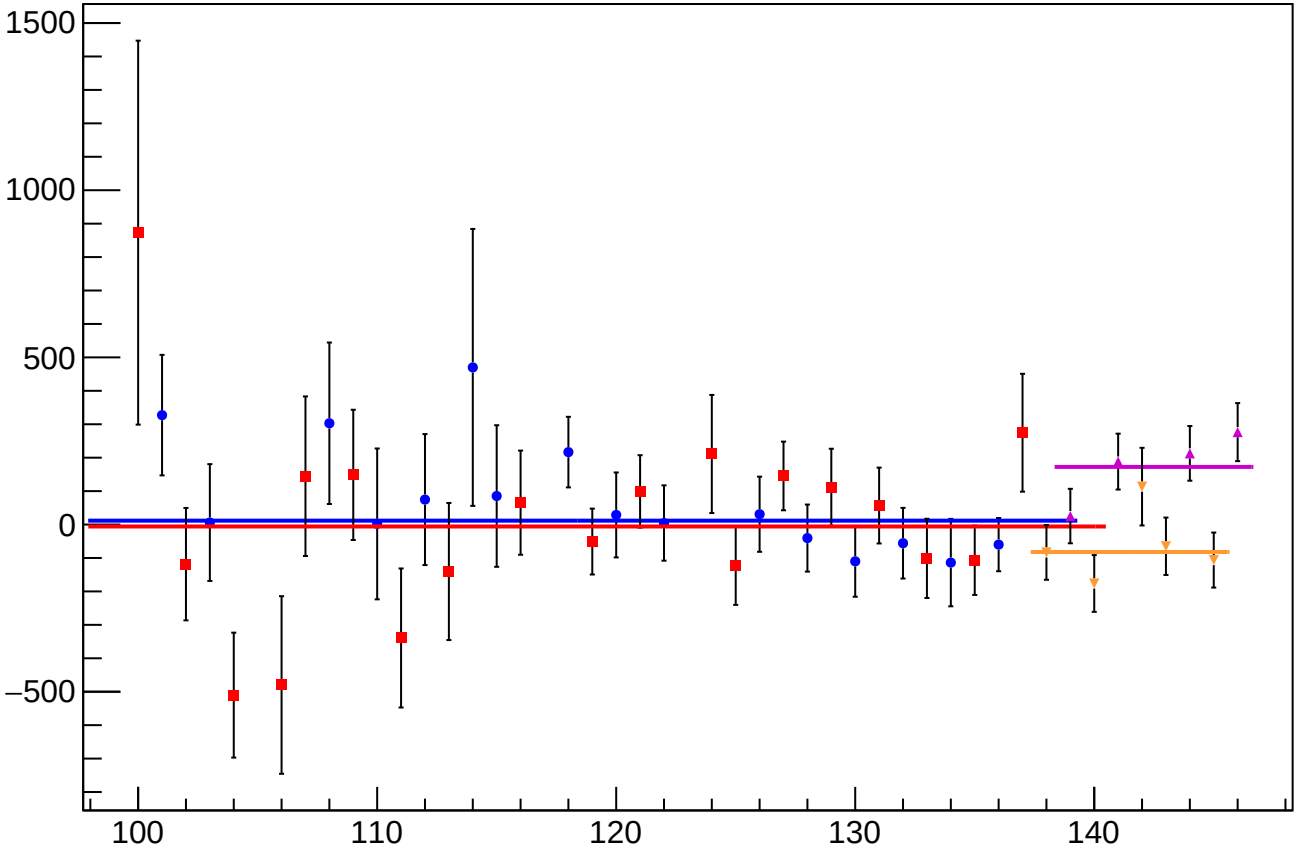
Left In: 311.381+/-0.121 χ^2/NDF:308310.0/3

+ sign 352.807+/-0.081 χ^2/NDF: 2785966.4/20

All: 360.101+/-0.059 χ^2/NDF: 5896364.9/43

- sign 368.197+/-0.085 χ^2/NDF: 3093255.2/22

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -82.074+/-39.354 χ^2/NDF:4.2/4

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

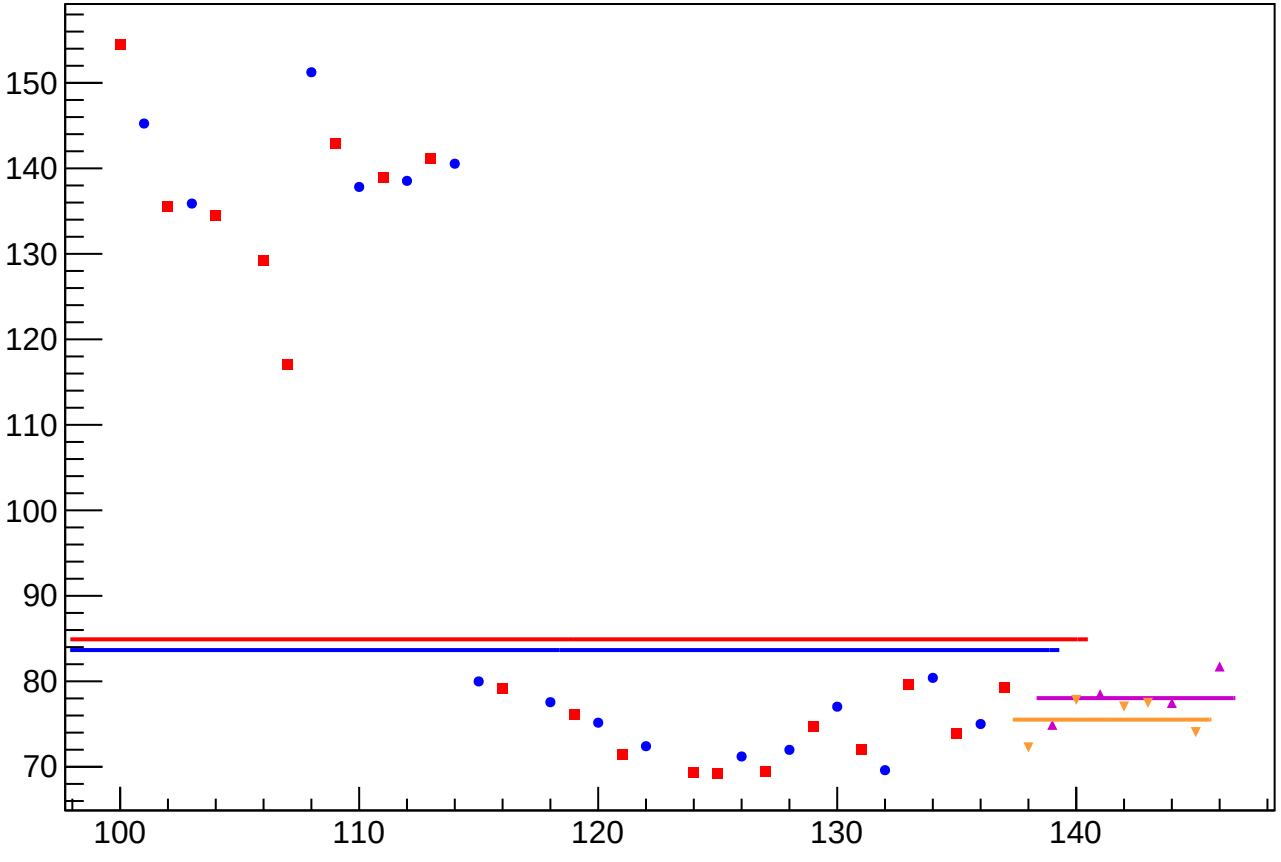
Left In: 172.375+/-41.653 χ^2/NDF:5.0/3

\+ sign -26.069+/-24.966 χ^2/NDF: 21.1/20

All: 16.611+/-17.872 χ^2/NDF: 72.2/43

\- sign 61.469+/-25.595 χ^2/NDF: 45.1/22

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 75.518+/-0.028 χ^2/NDF:6653.1/4

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

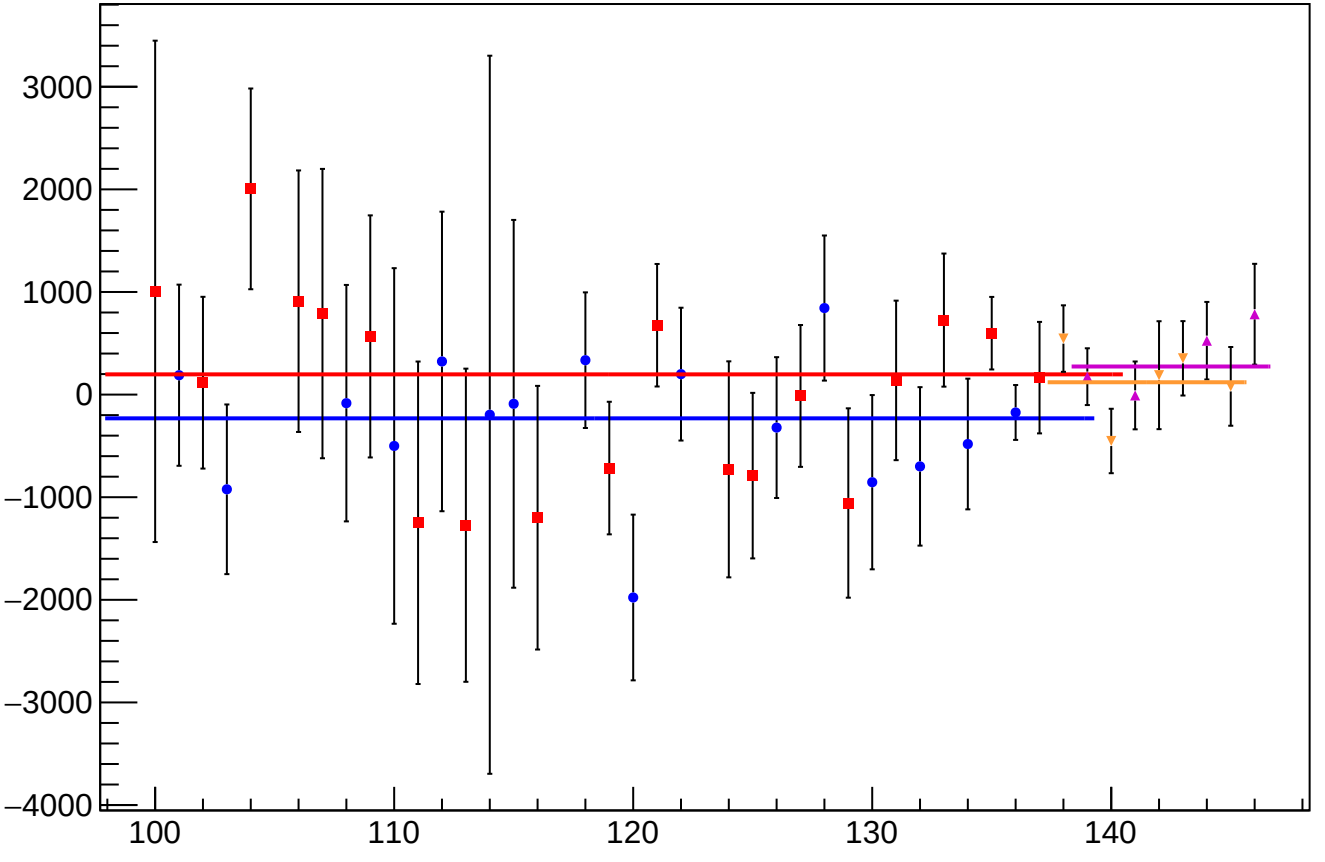
Left In: 78.037+/-0.029 χ^2/NDF:6731.2/3

+ sign 80.382+/-0.018 χ^2/NDF: 1092560.0/20

All: 81.325+/-0.013 χ^2/NDF: 2260740.0/43

- sign 82.317+/-0.018 χ^2/NDF: 1162322.9/22

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 120.286+/-162.889 χ^2/NDF:5.5/4

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

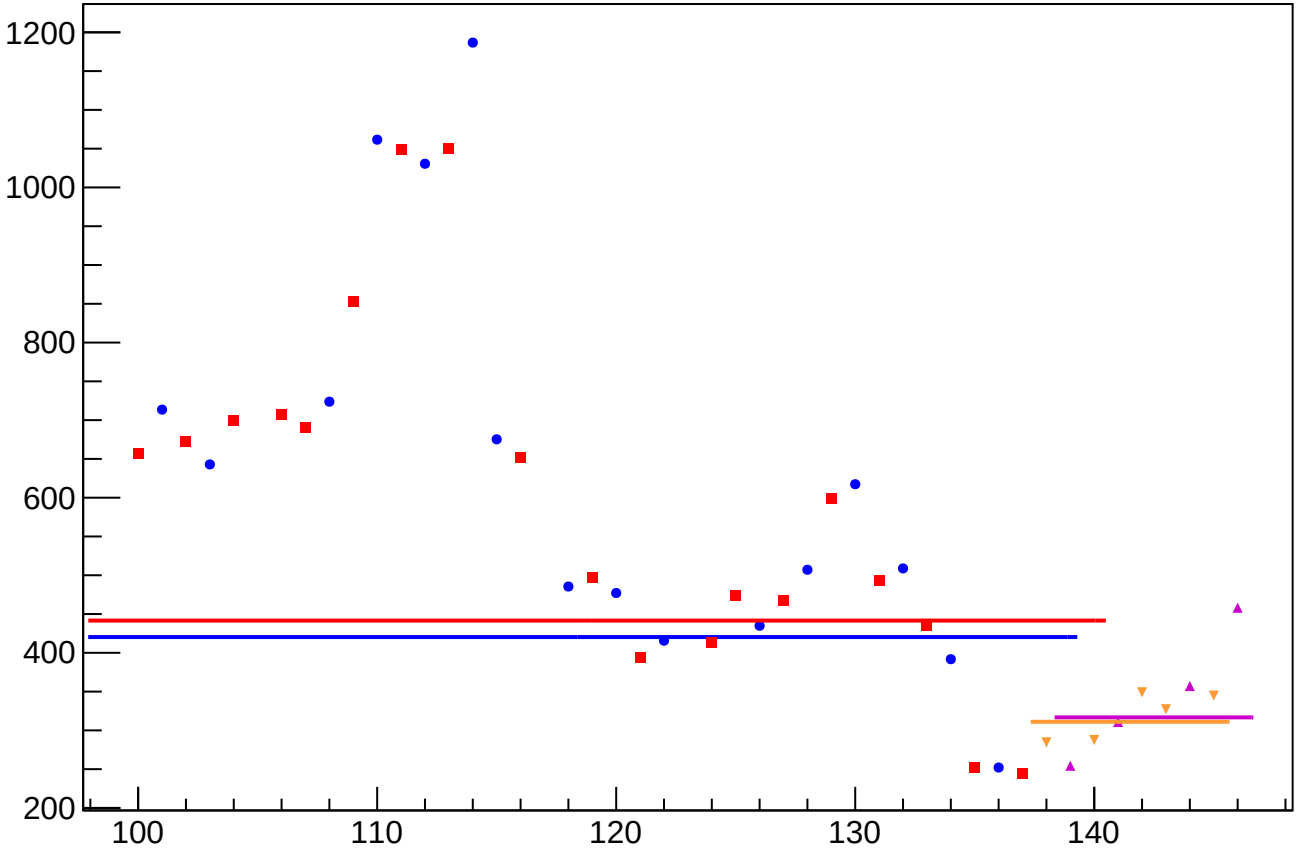
Left In: 273.771+/-173.123 χ^2/NDF:2.4/3

+ sign -47.915+/-117.658 χ^2/NDF: 18.1/20

All: 87.289+/-85.171 χ^2/NDF: 39.3/43

- sign 236.139+/-123.452 χ^2/NDF: 18.4/22

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 311.071+/-0.115 χ^2/NDF:54436.5/4

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

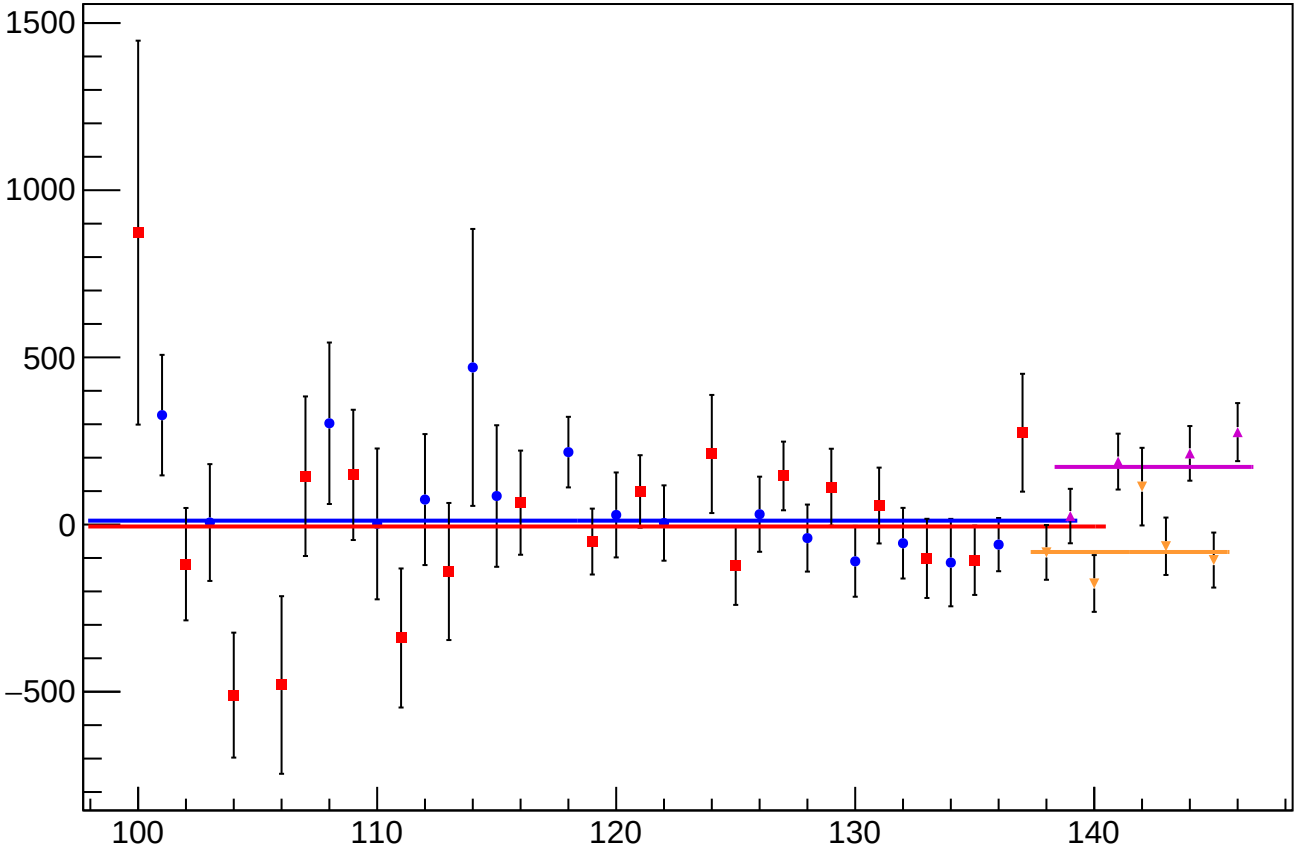
Left In: 316.768+/-0.122 χ^2/NDF:290949.9/3

+ sign 363.325+/-0.083 χ^2/NDF: 2739394.5/20

All: 370.368+/-0.060 χ^2/NDF: 5864060.2/43

- sign 378.122+/-0.087 χ^2/NDF: 3109608.8/22

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -82.075+/-39.354 χ^2/NDF:4.2/4

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

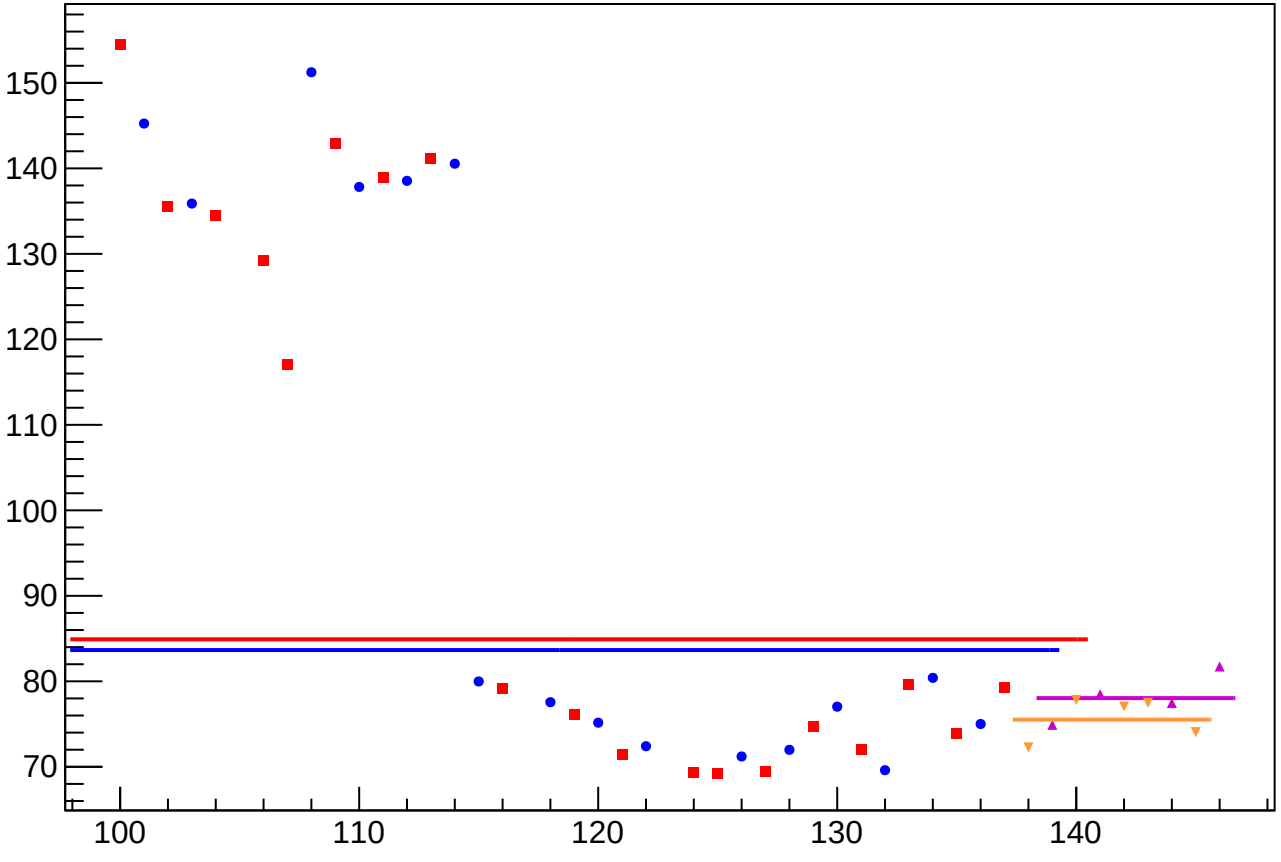
Left In: 172.374+/-41.653 χ^2/NDF:5.0/3

+ sign -26.069+/-24.966 χ^2/NDF: 21.1/20

All: 16.611+/-17.872 χ^2/NDF: 72.2/43

- sign 61.470+/-25.595 χ^2/NDF: 45.1/22

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 75.518+/-0.028 χ^2/NDF:6653.2/4

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

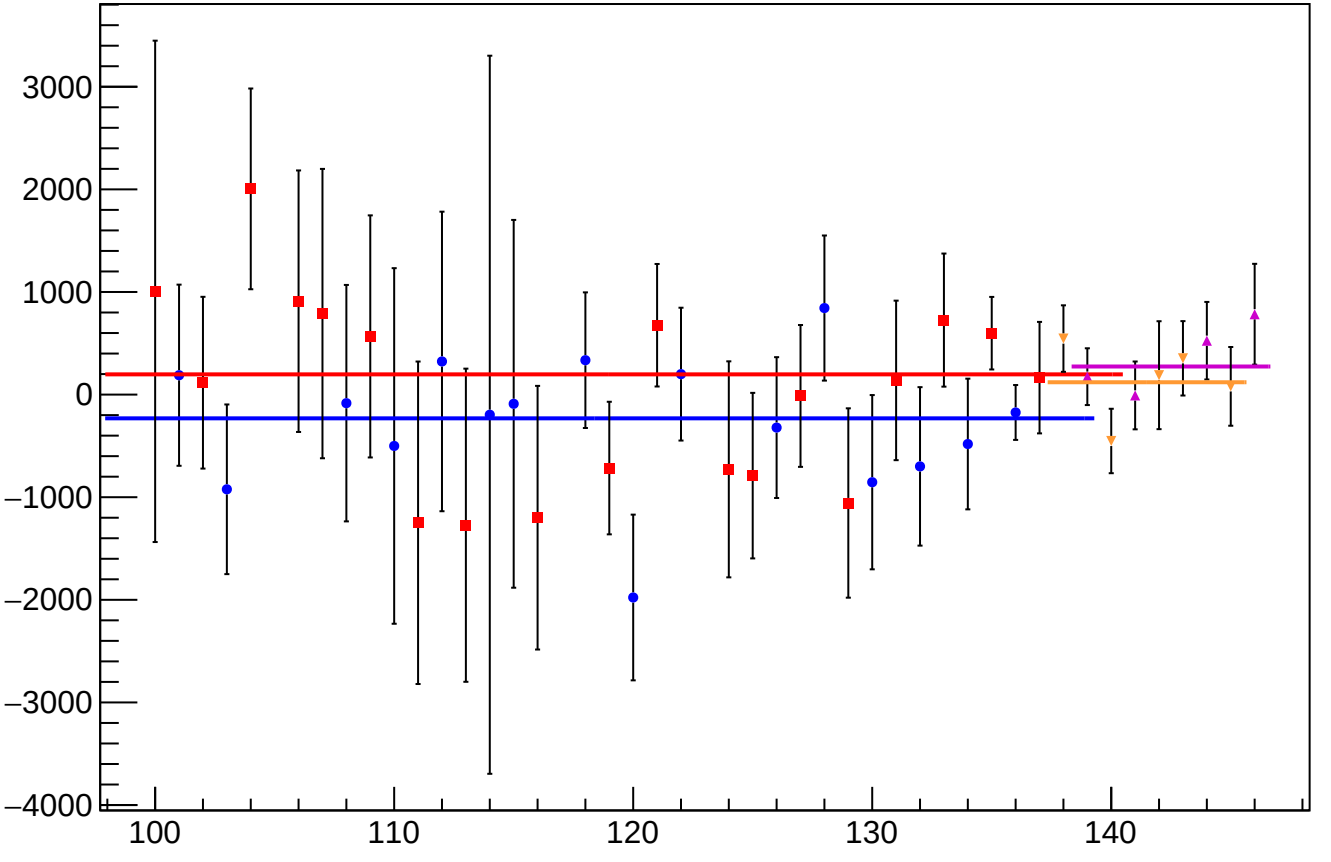
Left In: 78.037+/-0.029 χ^2/NDF:6731.3/3

+ sign 80.382+/-0.018 χ^2/NDF: 1092558.8/20

All: 81.325+/-0.013 χ^2/NDF: 2260737.2/43

- sign 82.316+/-0.018 χ^2/NDF: 1162321.2/22

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 120.284+/-162.889 χ^2/NDF:5.5/4

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

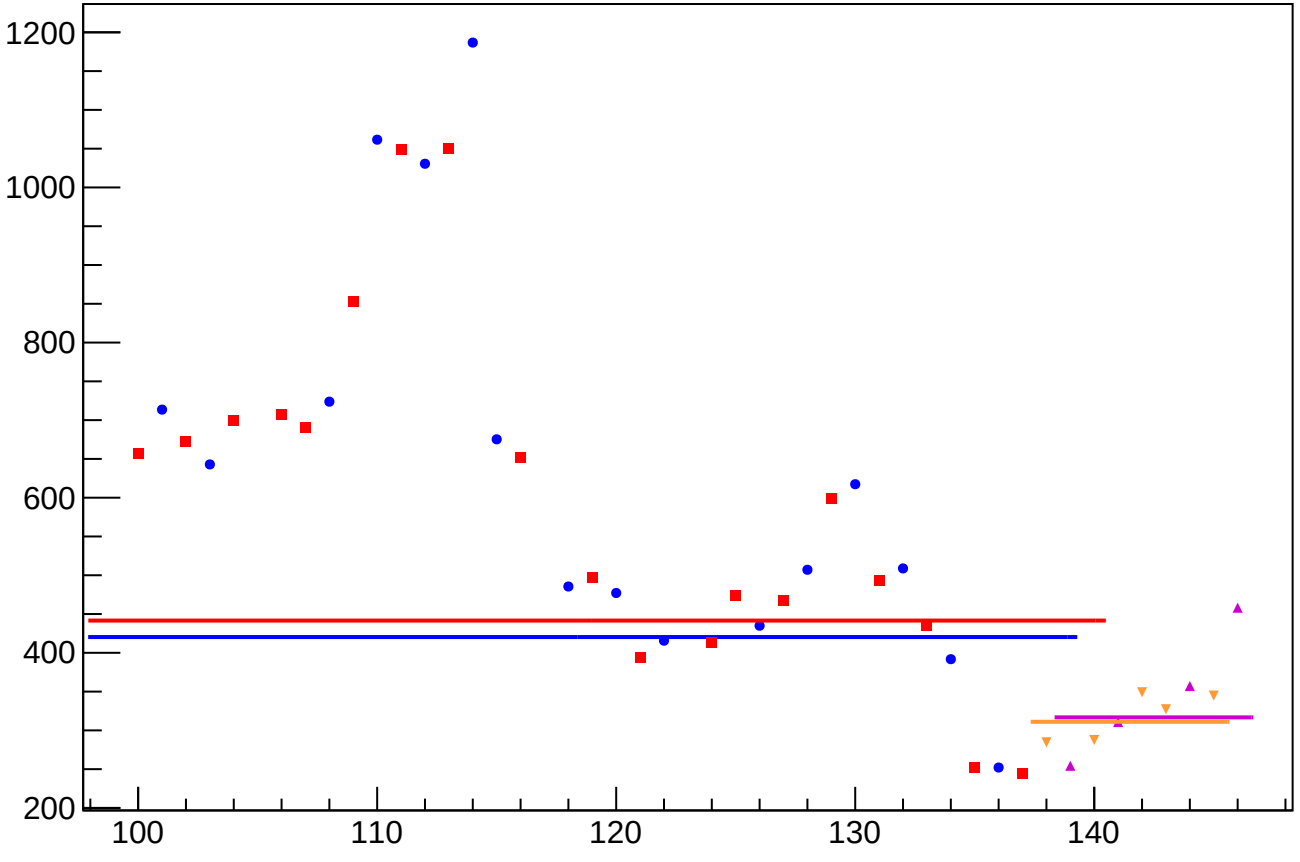
Left In: 273.771+/-173.122 χ^2/NDF:2.4/3

+ sign -47.914+/-117.657 χ^2/NDF: 18.1/20

All: 87.289+/-85.171 χ^2/NDF: 39.3/43

- sign 236.139+/-123.452 χ^2/NDF: 18.4/22

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 311.070+/-0.115 χ^2/NDF:54436.0/4

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

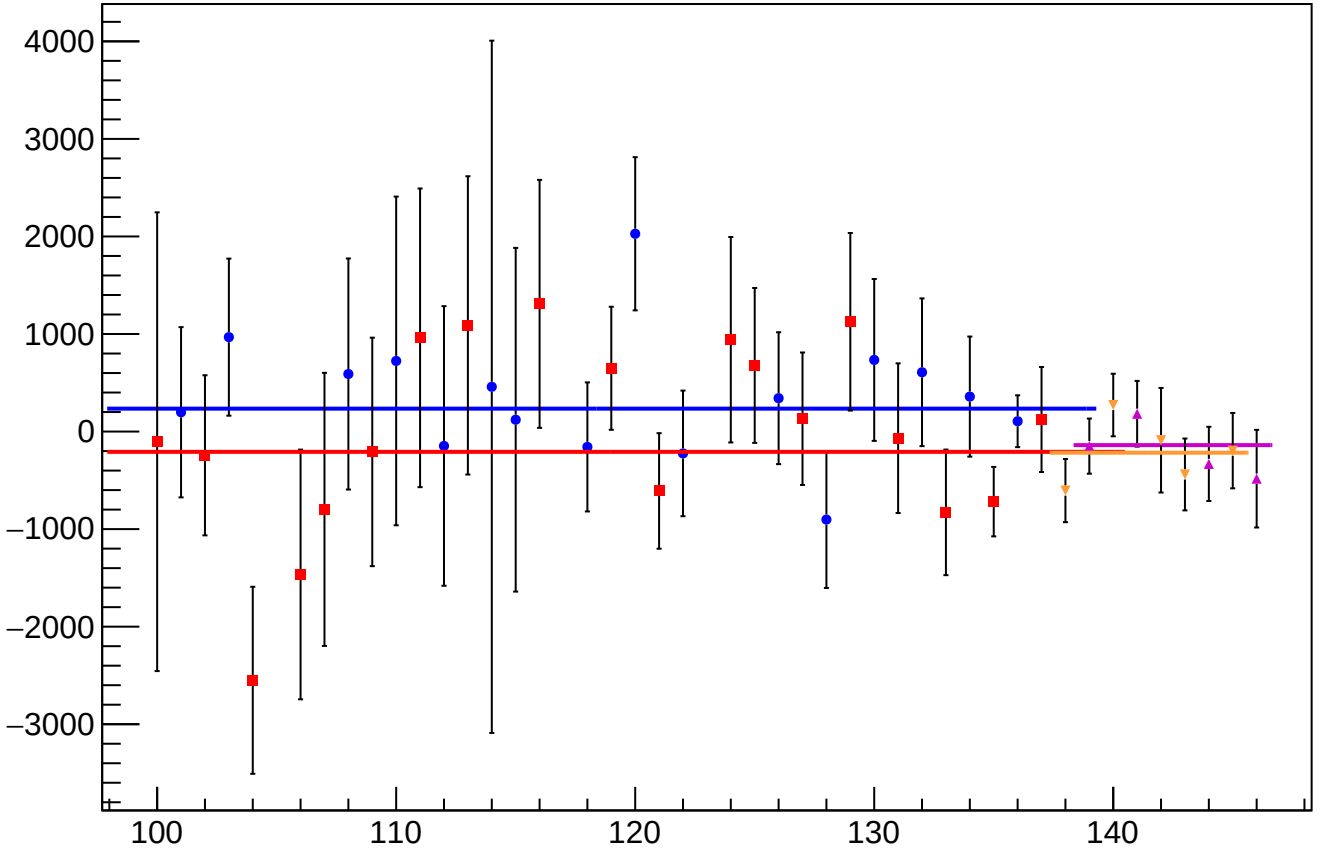
Left In: 316.768+/-0.122 χ^2/NDF:290950.5/3

+ sign 363.324+/-0.083 χ^2/NDF: 2739397.1/20

All: 370.367+/-0.060 χ^2/NDF: 5864066.9/43

- sign 378.121+/-0.087 χ^2/NDF: 3109612.9/22

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -216.637+/-164.828 χ^2/NDF:4.2/4

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

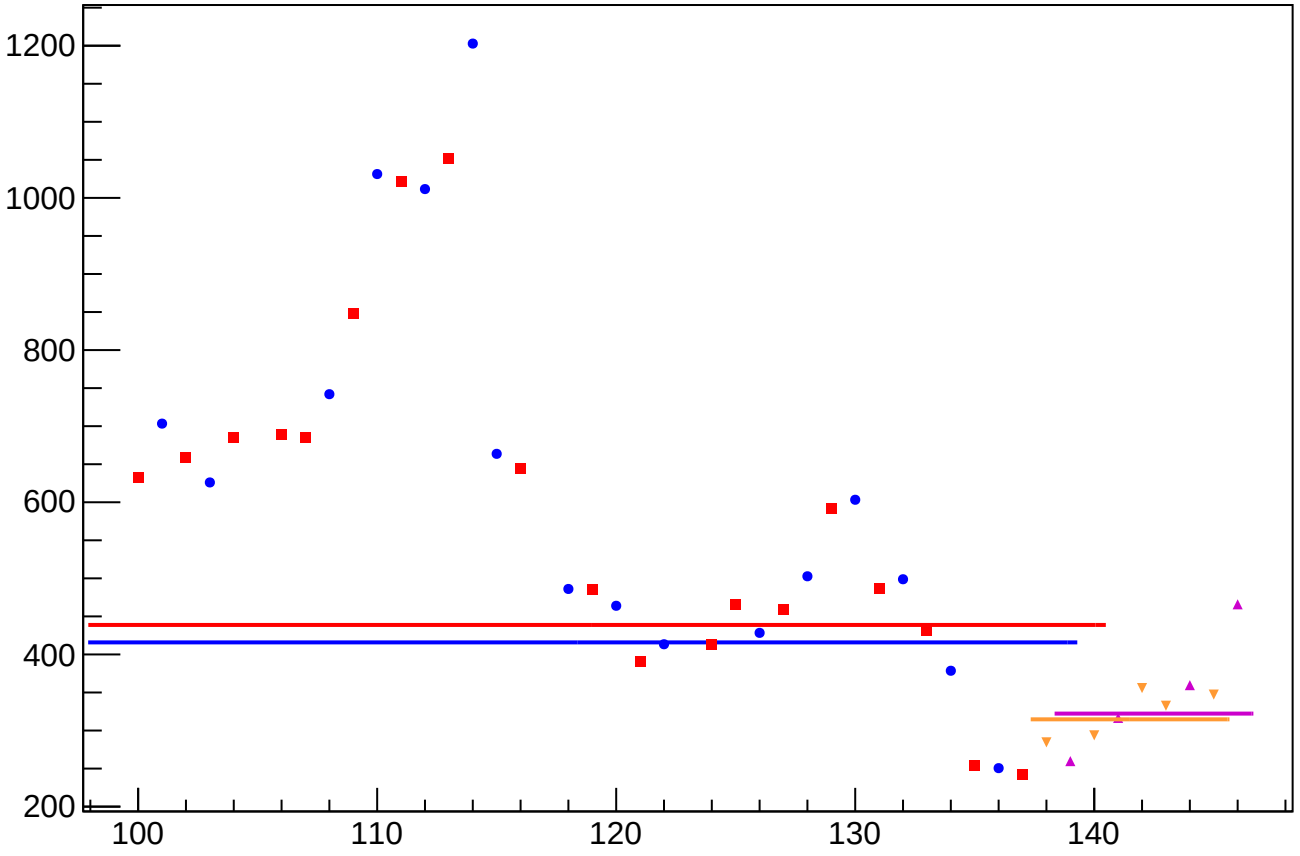
Left In: -138.920+/-176.101 χ^2/NDF:1.6/3

+ sign 4.637+/-117.725 χ^2/NDF: 18.6/20

All: -79.884+/-85.386 χ^2/NDF: 41.7/43

- sign -173.700+/-124.029 χ^2/NDF: 22.1/22

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 314.718+/-0.117 χ^2/NDF:56702.0/4

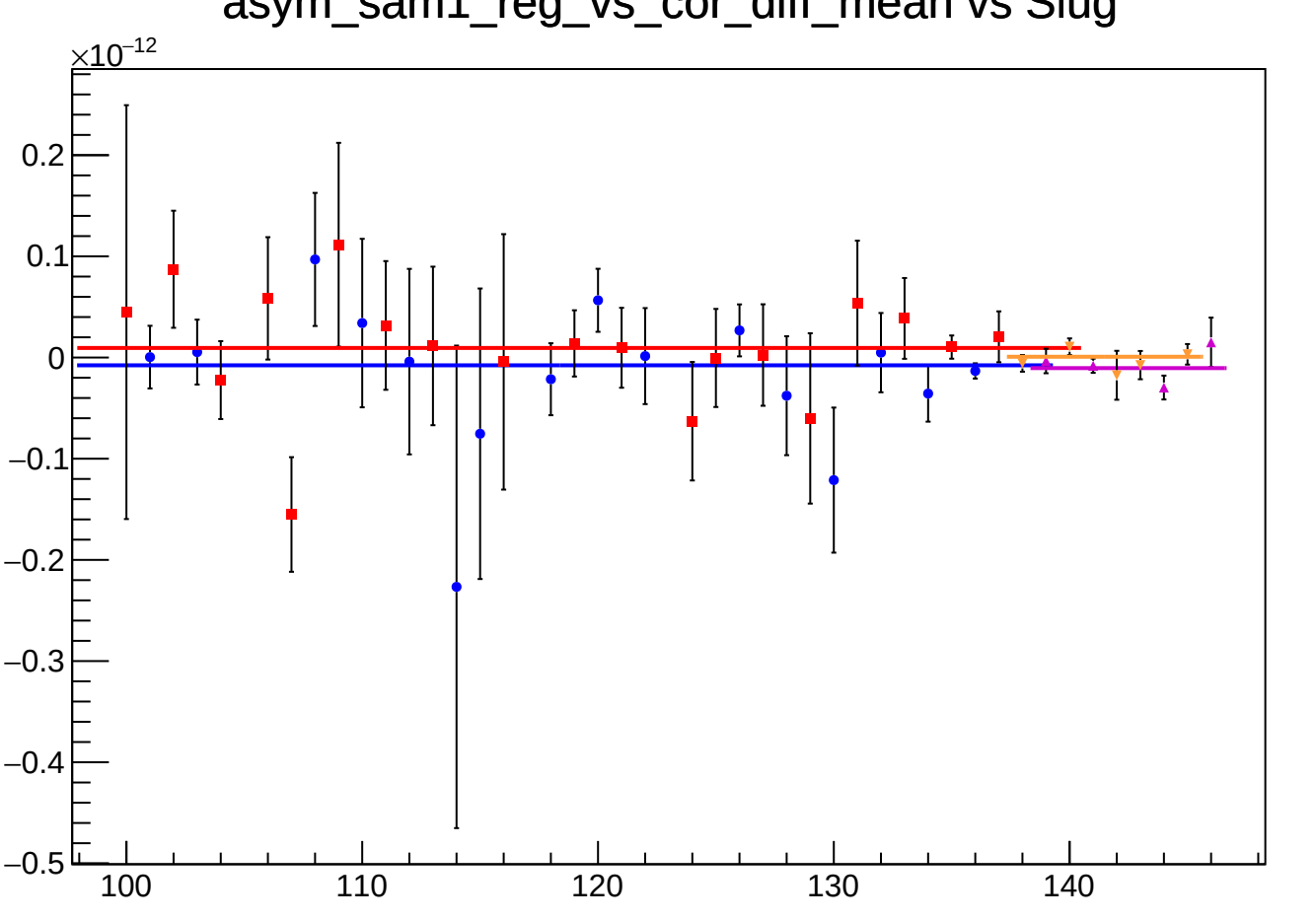
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 322.260+/-0.125 χ^2/NDF:282266.0/3

+ sign 364.255+/-0.083 χ^2/NDF: 2649411.9/20

All: 372.180+/-0.060 χ^2/NDF: 5626784.8/43

- sign 380.976+/-0.088 χ^2/NDF: 2958250.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/4

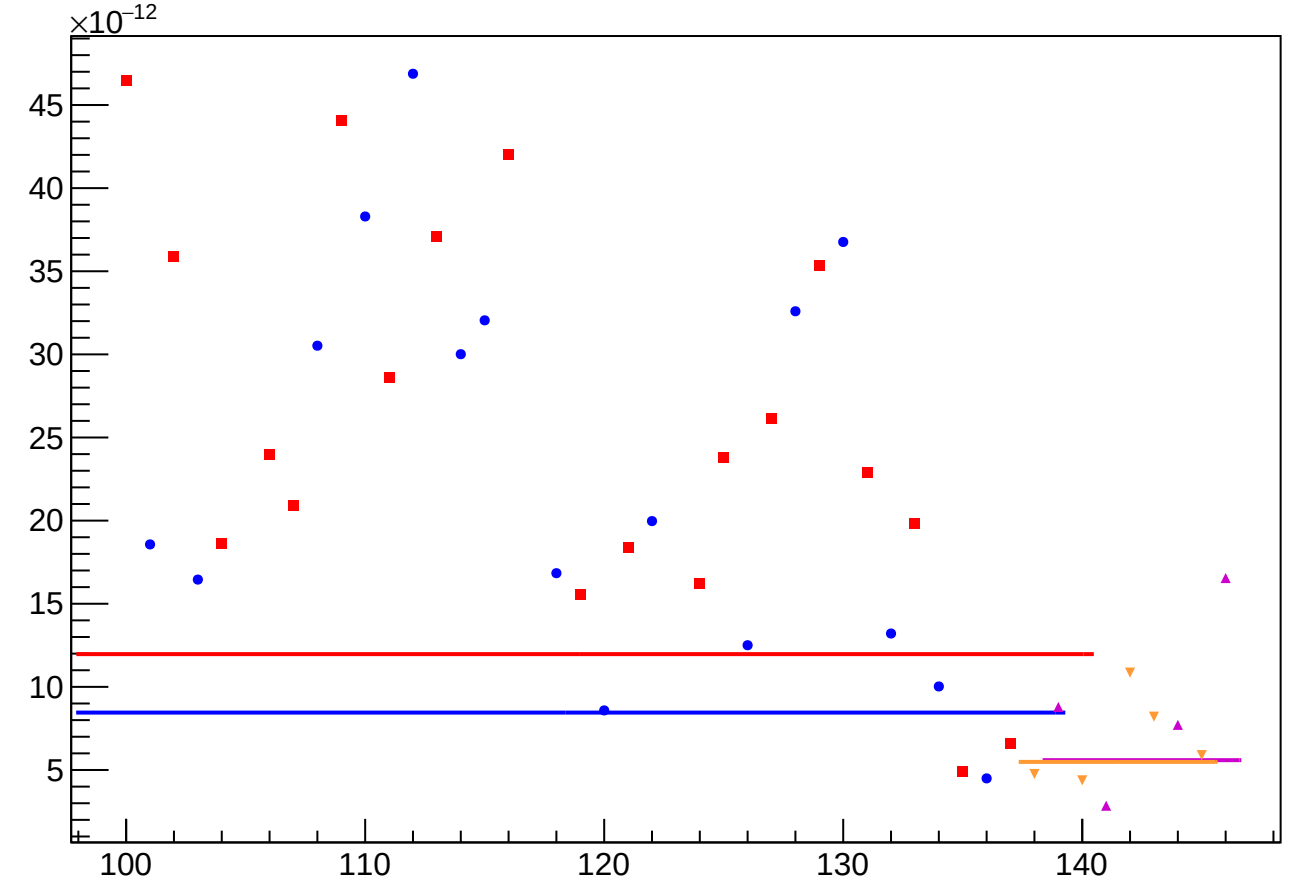
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.0/20

All: -0.000+/-0.000 χ^2/NDF: 43.9/43

- sign -0.000+/-0.000 χ^2/NDF: 24.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:229851.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

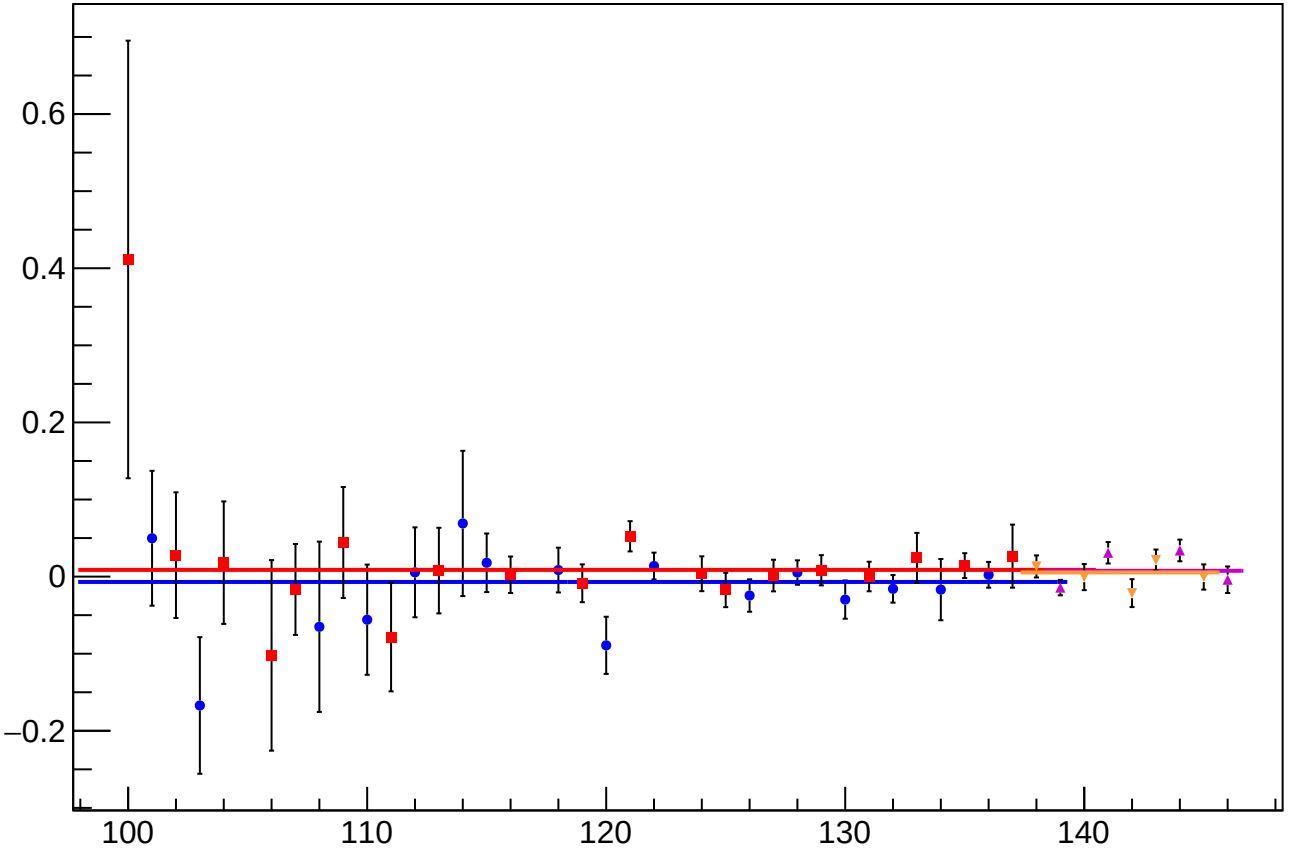
Left In: 0.000+/-0.000 χ^2/NDF:912691.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3280630.7/20

All: 0.000+/-0.000 χ^2/NDF: 7865799.8/43

- sign 0.000+/-0.000 χ^2/NDF: 4536170.3/22

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.007 χ^2/NDF:4.1/4

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

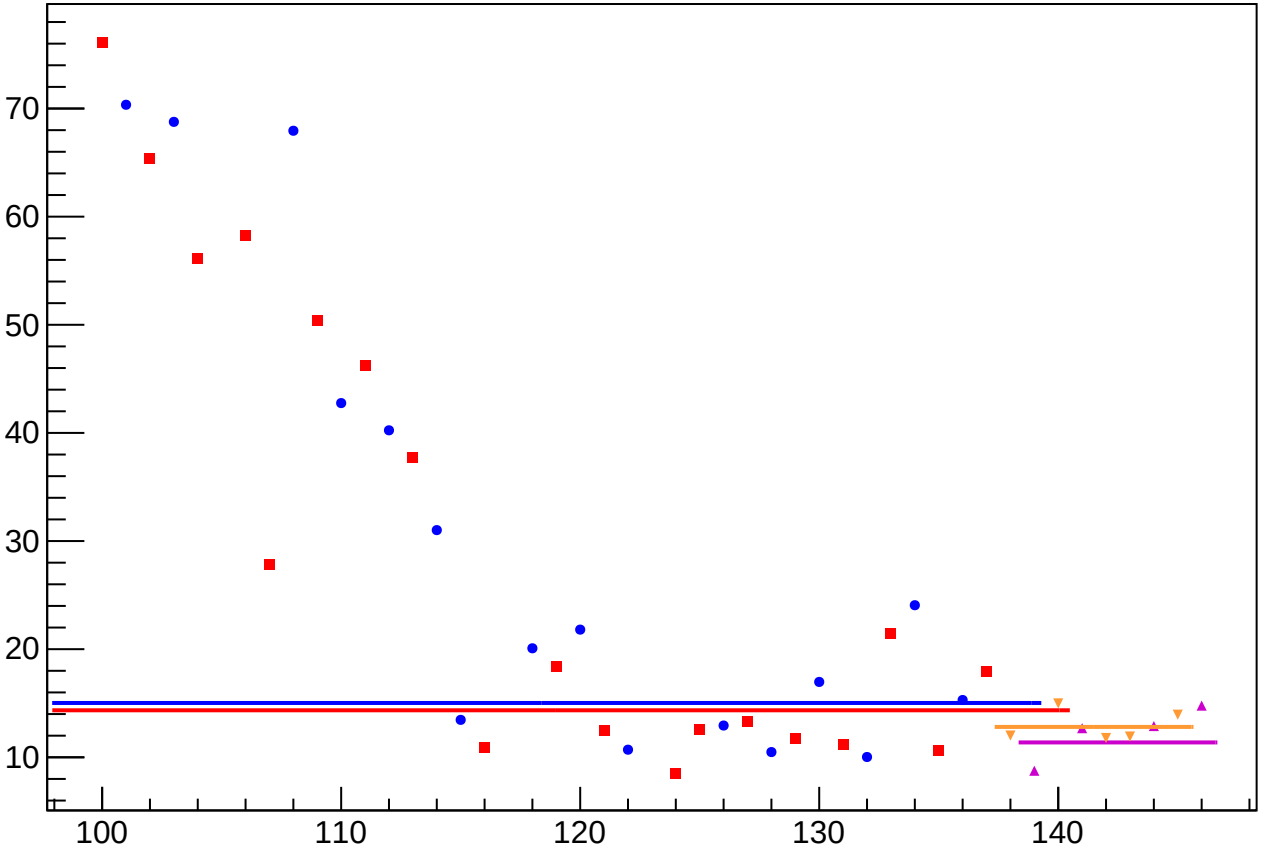
Left In: 0.008+/-0.007 χ^2/NDF:11.5/3

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/20

All: 0.004+/-0.003 χ^2/NDF: 46.8/43

- sign 0.008+/-0.005 χ^2/NDF: 24.2/22

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.810+/-0.005 χ^2/NDF:63687.7/4

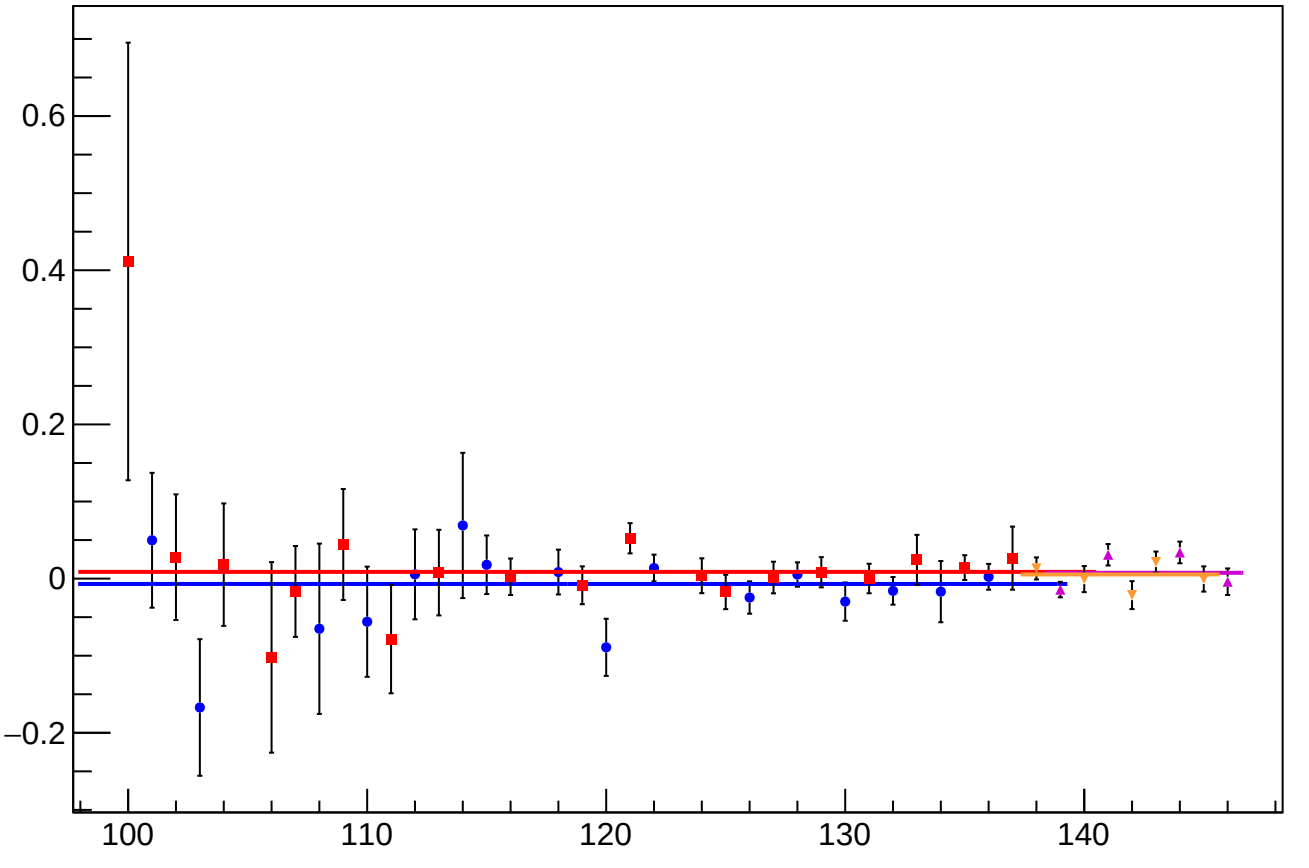
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255246.9/3

+ sign 13.957+/-0.003 χ^2/NDF: 3606404.5/20

All: 13.393+/-0.002 χ^2/NDF: 7754099.3/43

- sign 12.893+/-0.003 χ^2/NDF: 4096499.5/22



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.007 χ^2/NDF:4.1/4

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

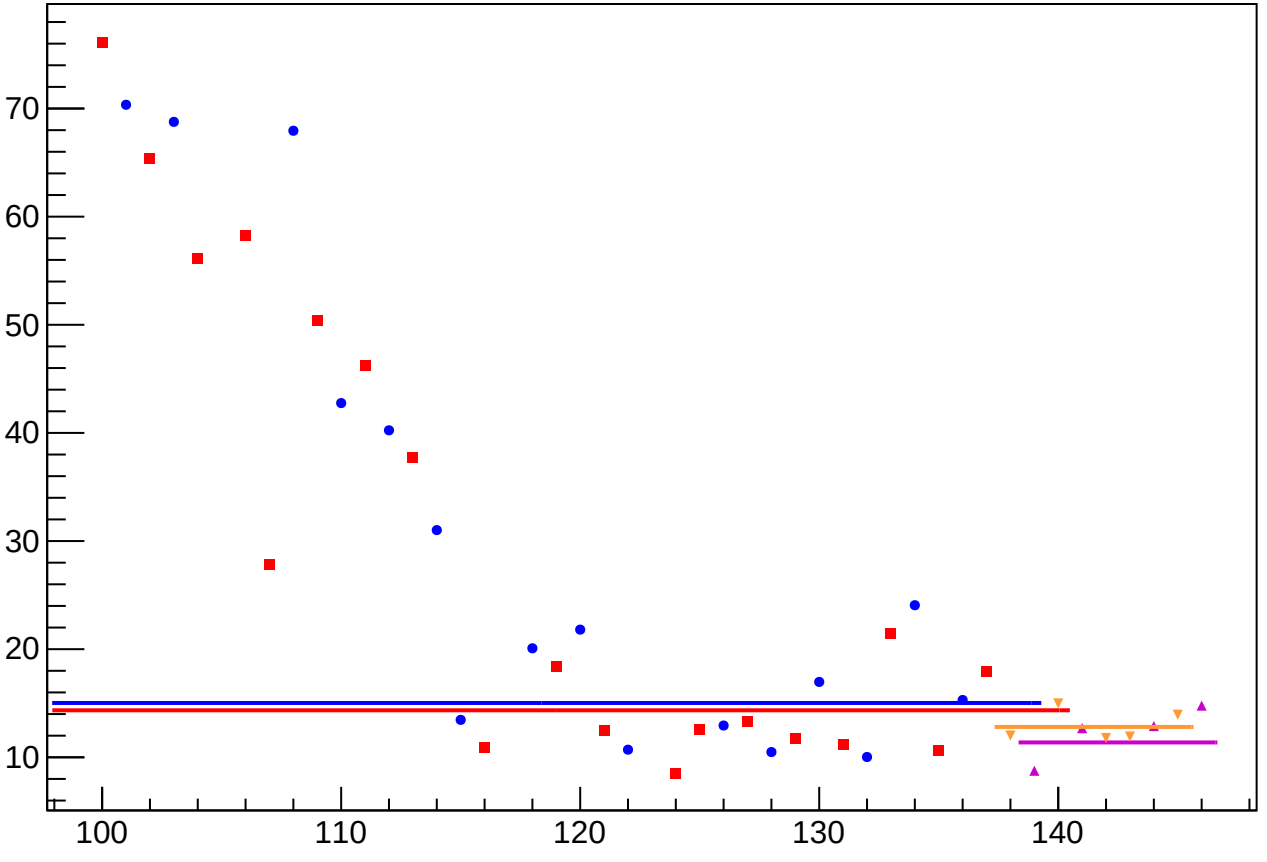
Left In: 0.008+/-0.007 χ^2/NDF:11.5/3

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/20

All: 0.004+/-0.003 χ^2/NDF: 46.8/43

- sign 0.008+/-0.005 χ^2/NDF: 24.2/22

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.810+/-0.005 χ^2/NDF:63687.7/4

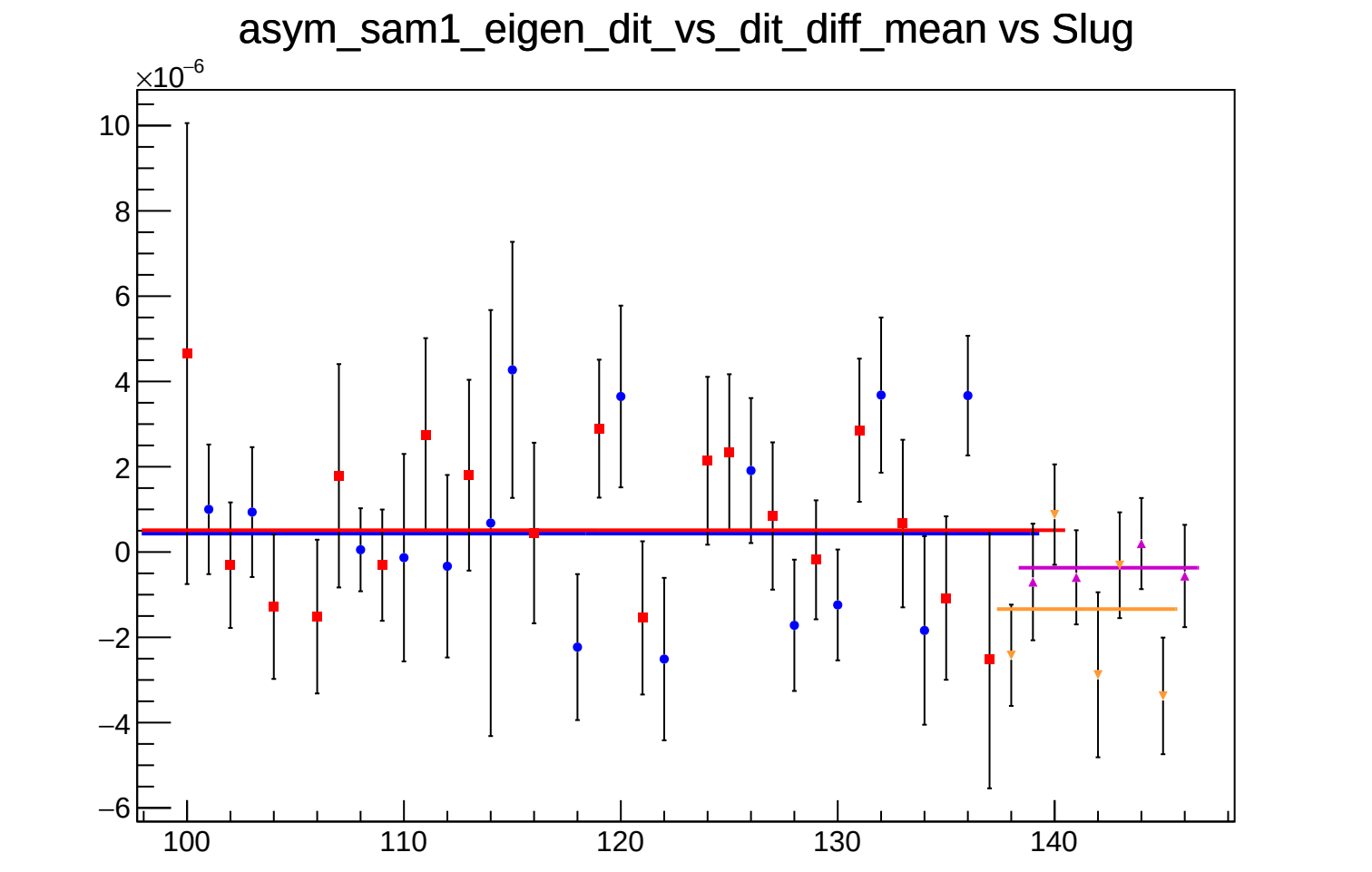
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255246.9/3

+ sign 13.957+/-0.003 χ^2/NDF: 3606404.5/20

All: 13.393+/-0.002 χ^2/NDF: 7754099.3/43

- sign 12.893+/-0.003 χ^2/NDF: 4096499.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

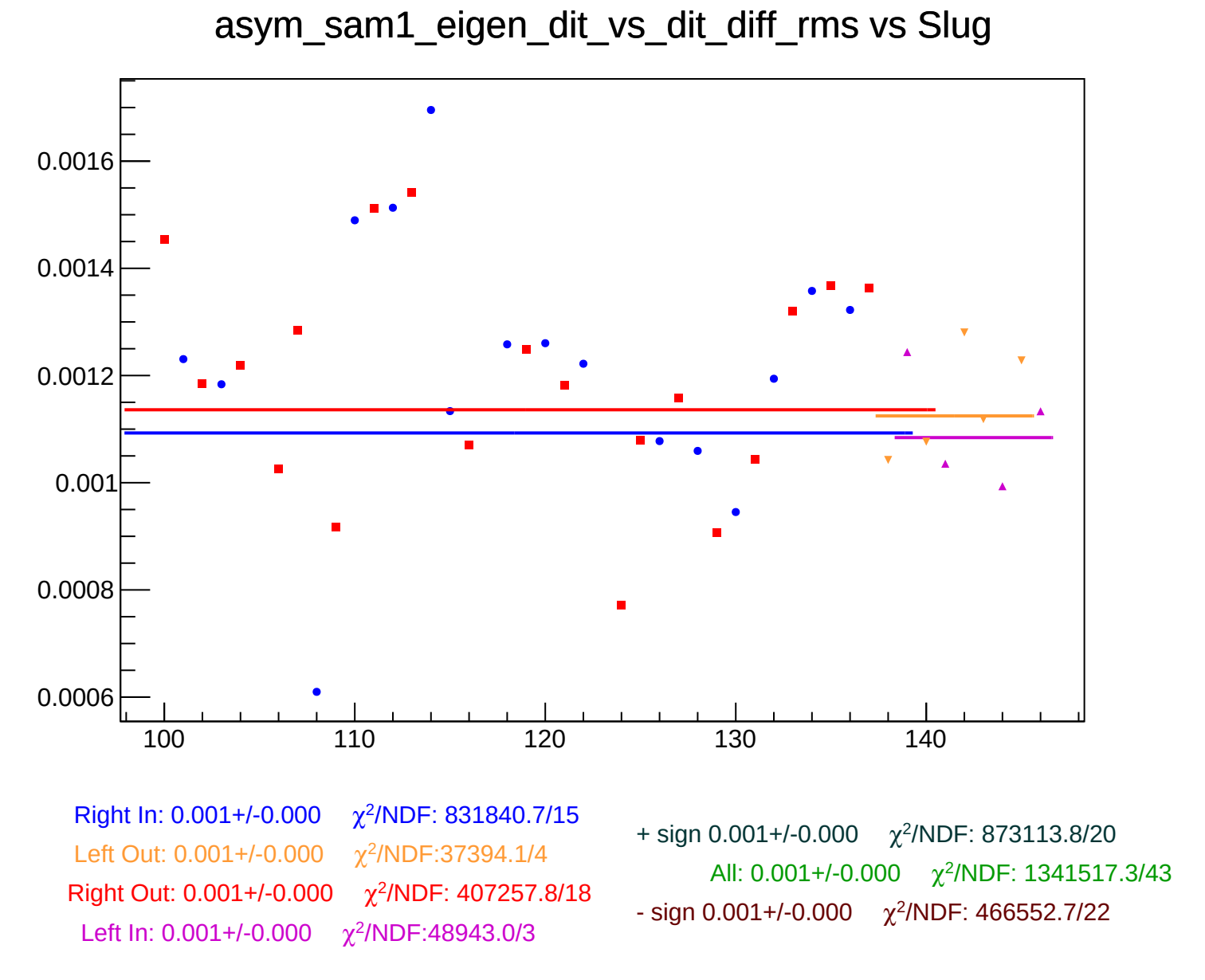
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/3

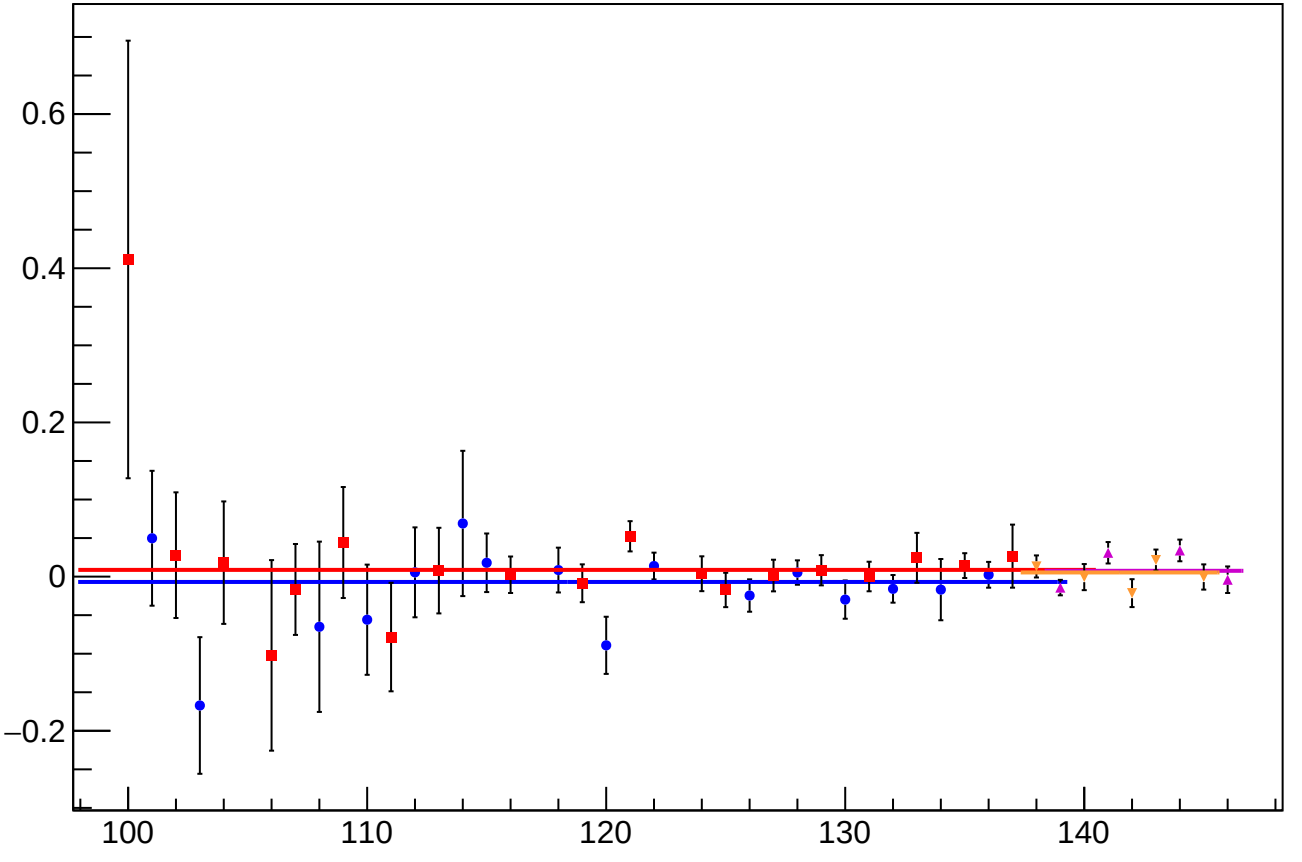
+ sign -0.000+/-0.000 χ^2/NDF: 37.1/20

All: 0.000+/-0.000 χ^2/NDF: 53.9/43

- sign 0.000+/-0.000 χ^2/NDF: 16.2/22


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:37394.1/4
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:48943.0/3
+ sign 0.001+/-0.000 χ²/NDF: 873113.8/20
All: 0.001+/-0.000 χ²/NDF: 1341517.3/43
- sign 0.001+/-0.000 χ²/NDF: 466552.7/22

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.007 χ^2/NDF:4.1/4

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

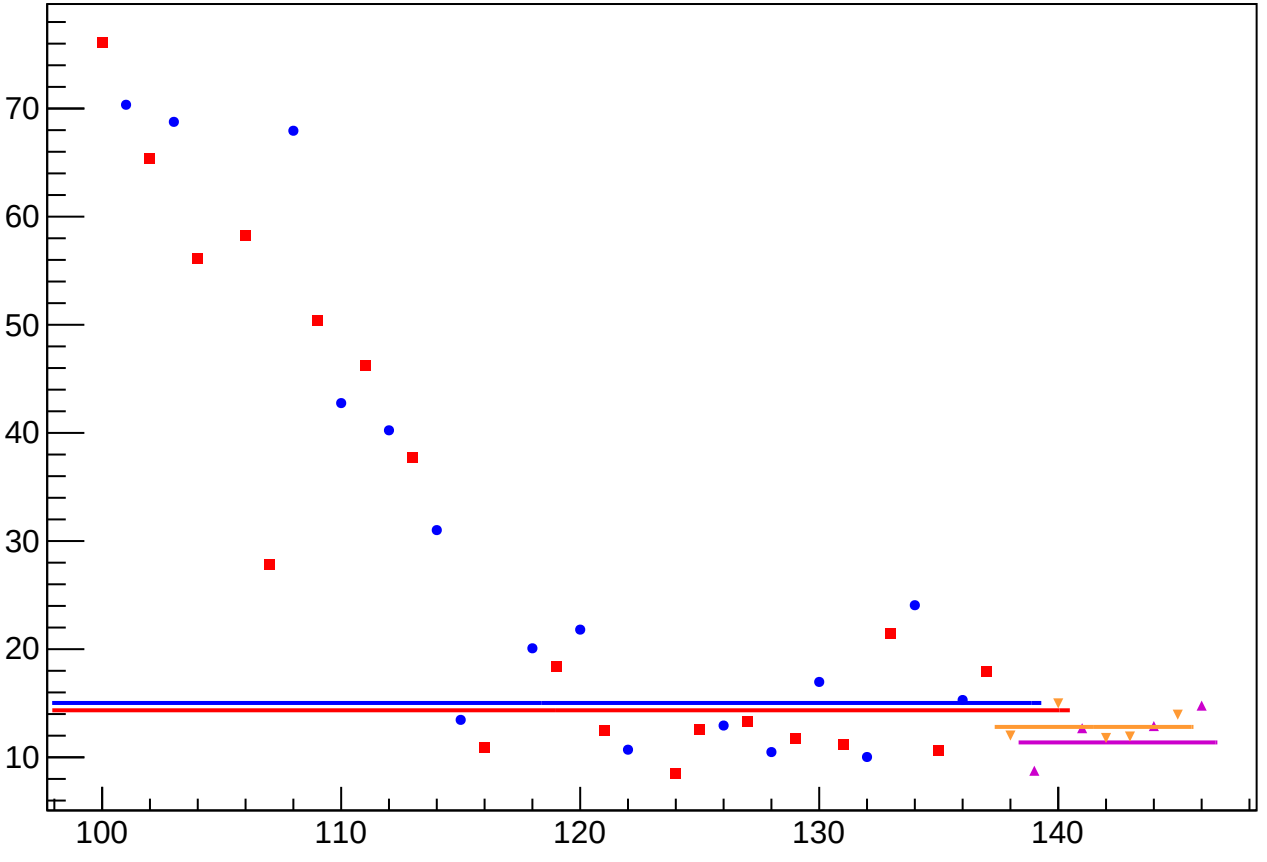
Left In: 0.008+/-0.007 χ^2/NDF:11.5/3

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/20

All: 0.004+/-0.003 χ^2/NDF: 46.8/43

- sign 0.008+/-0.005 χ^2/NDF: 24.2/22

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 12.810+/-0.005 χ^2/NDF:63688.0/4

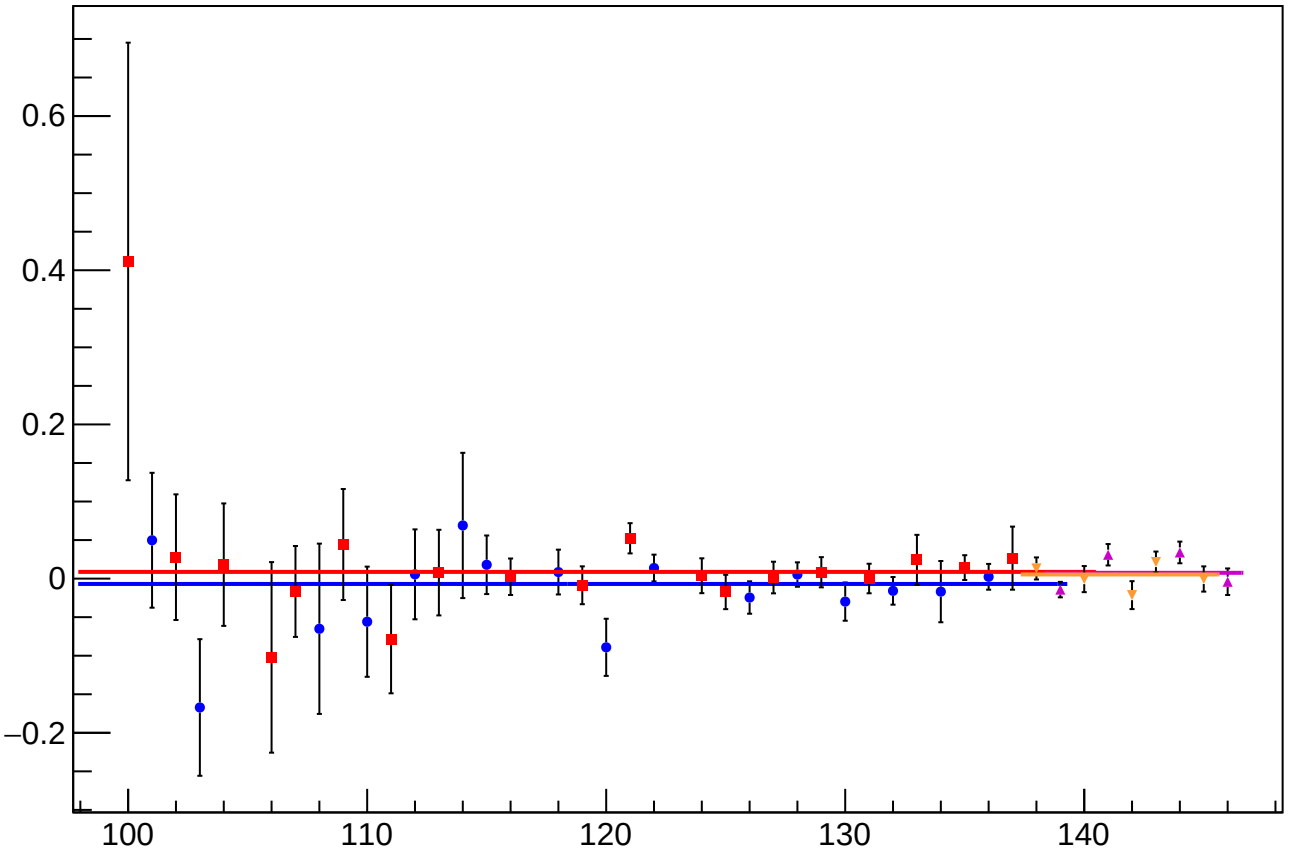
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255261.2/3

+ sign 13.957+/-0.003 χ^2/NDF: 3606401.8/20

All: 13.393+/-0.002 χ^2/NDF: 7754093.3/43

- sign 12.892+/-0.003 χ^2/NDF: 4096496.1/22



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.007 χ^2/NDF:4.1/4

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

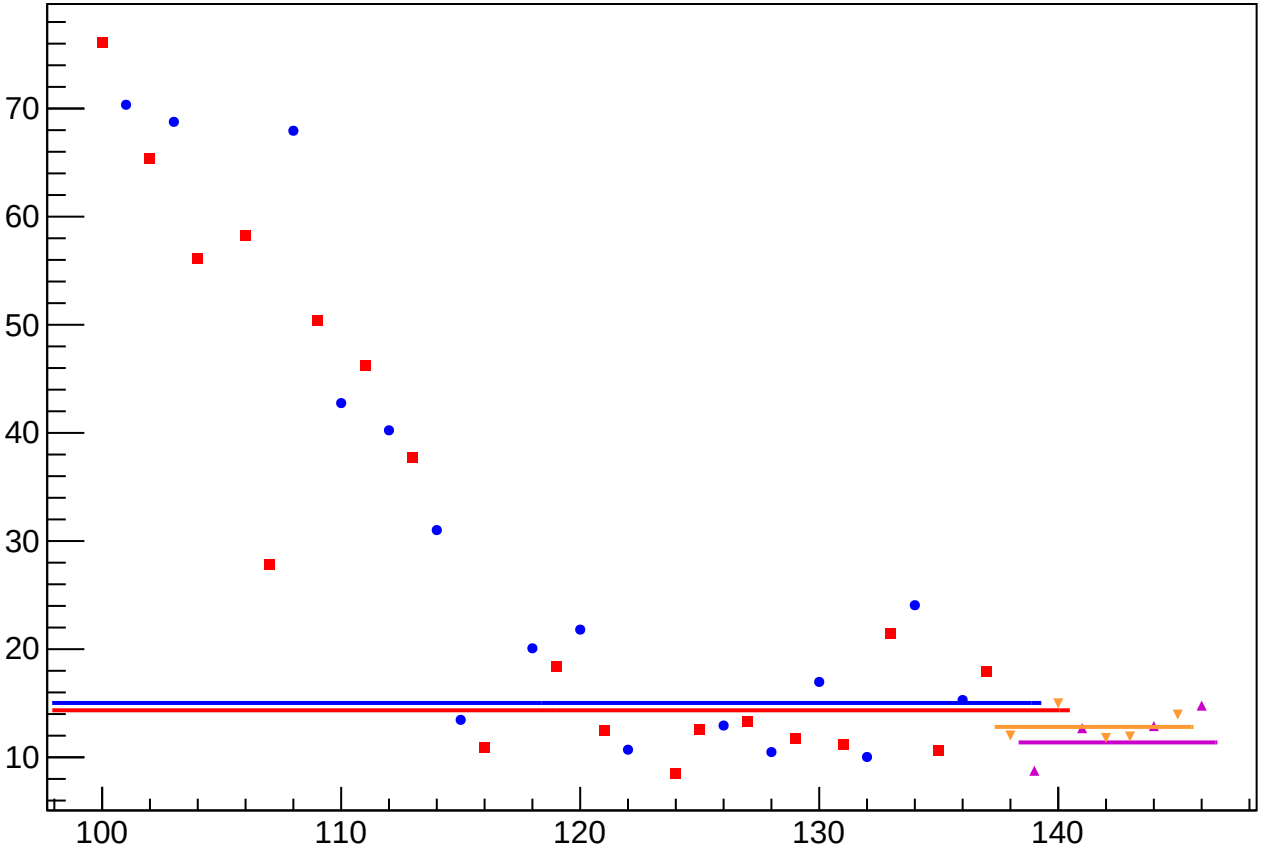
Left In: 0.008+/-0.007 χ^2/NDF:11.5/3

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/20

All: 0.004+/-0.003 χ^2/NDF: 46.8/43

- sign 0.008+/-0.005 χ^2/NDF: 24.2/22

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: 12.810+/-0.005 χ^2/NDF:63688.0/4

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

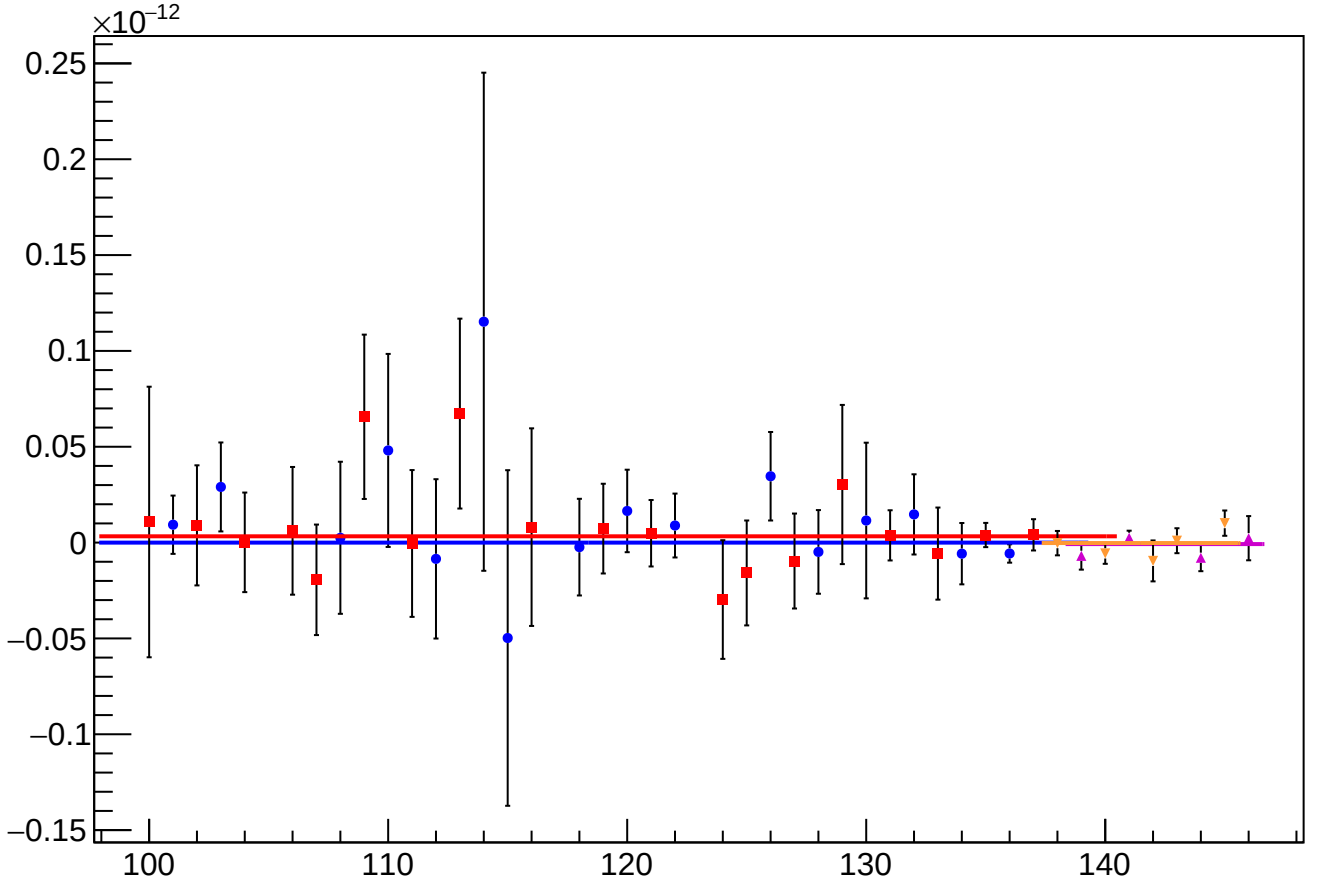
Left In: 11.376+/-0.005 χ^2/NDF:255261.2/3

+ sign 13.957+/-0.003 χ^2/NDF: 3606401.8/20

All: 13.393+/-0.002 χ^2/NDF: 7754093.3/43

- sign 12.892+/-0.003 χ^2/NDF: 4096496.1/22

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:4.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

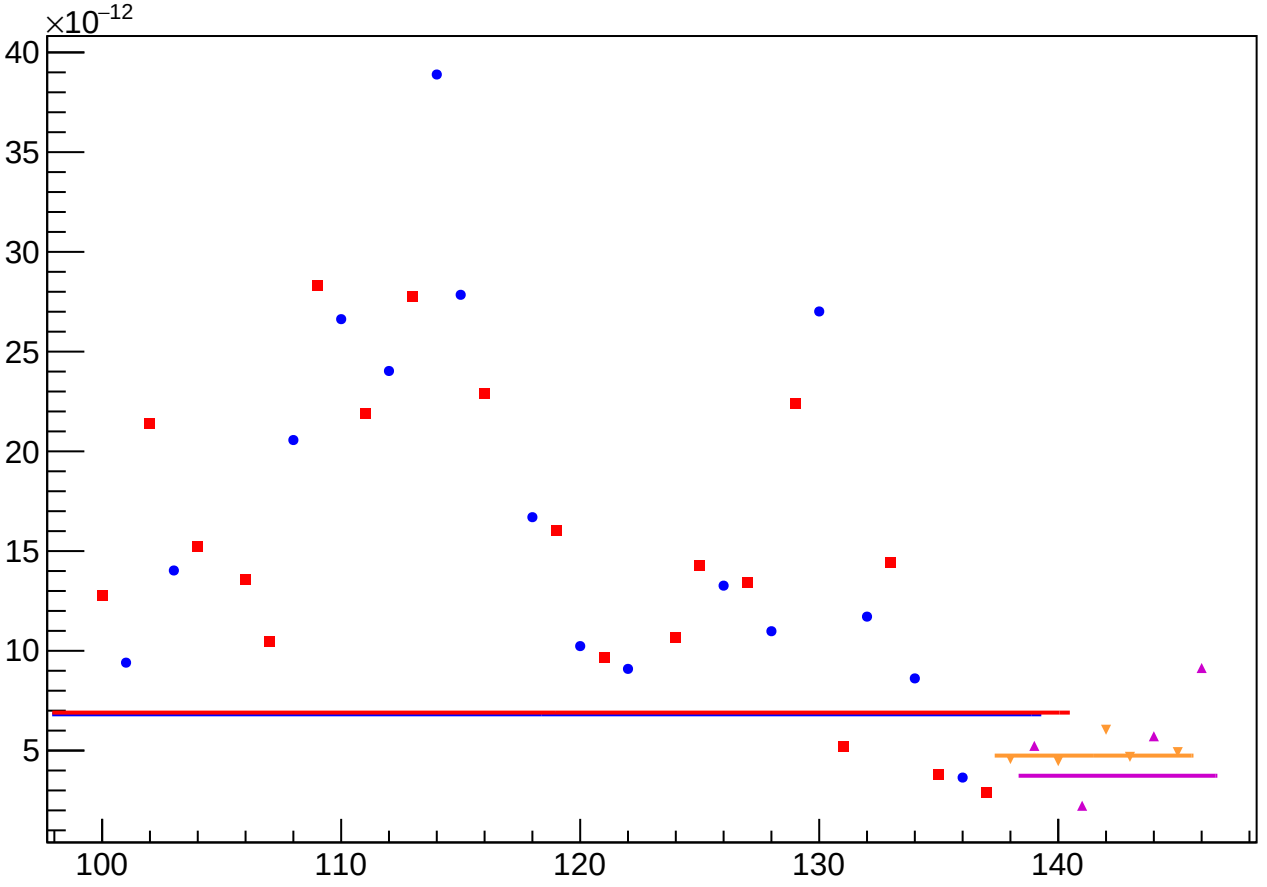
Left In: -0.000+/-0.000 χ^2/NDF:2.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 13.6/20

All: 0.000+/-0.000 χ^2/NDF: 23.9/43

- sign 0.000+/-0.000 χ^2/NDF: 10.3/22

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37795.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

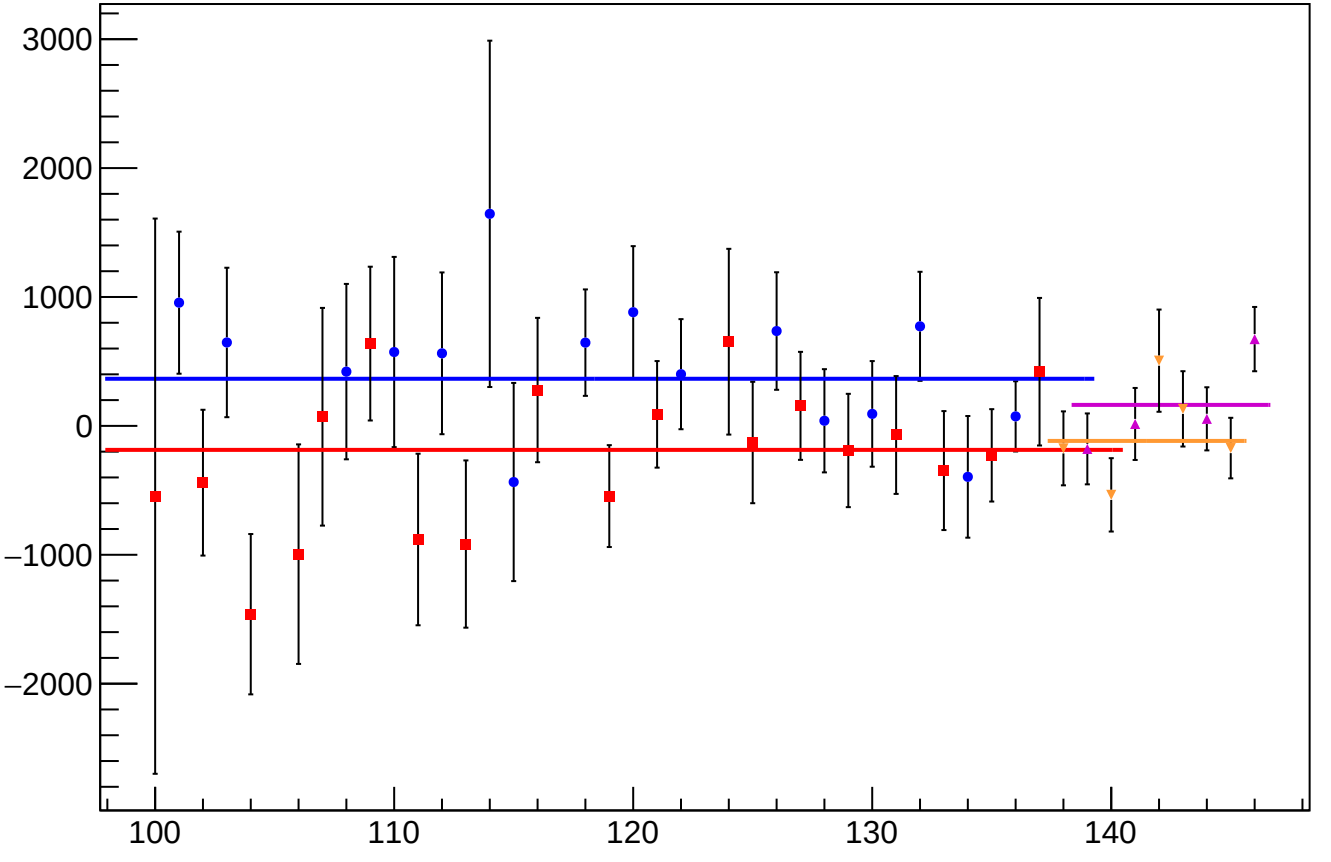
Left In: 0.000+/-0.000 χ^2/NDF:1013956.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3919603.0/20

All: 0.000+/-0.000 χ^2/NDF: 10100608.6/43

- sign 0.000+/-0.000 χ^2/NDF: 6093030.1/22

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -116.641+/-128.350 χ^2/NDF:5.4/4

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

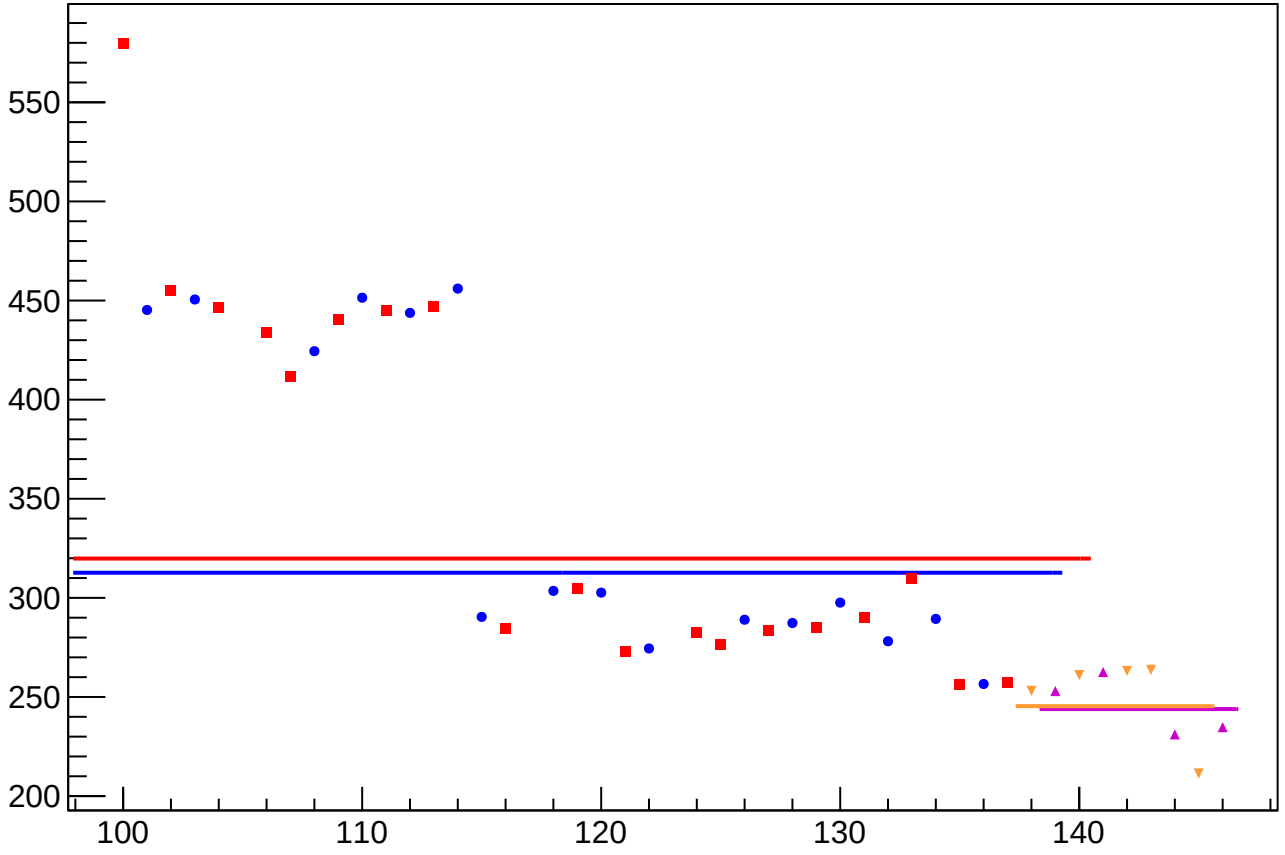
Left In: 162.804+/-130.413 χ^2/NDF:6.2/3

+ sign 142.907+/-87.214 χ^2/NDF: 24.5/20

All: 59.632+/-62.078 χ^2/NDF: 51.5/43

- sign -25.883+/-88.380 χ^2/NDF: 25.1/22

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 245.379+/-0.091 χ^2/NDF:61245.7/4

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

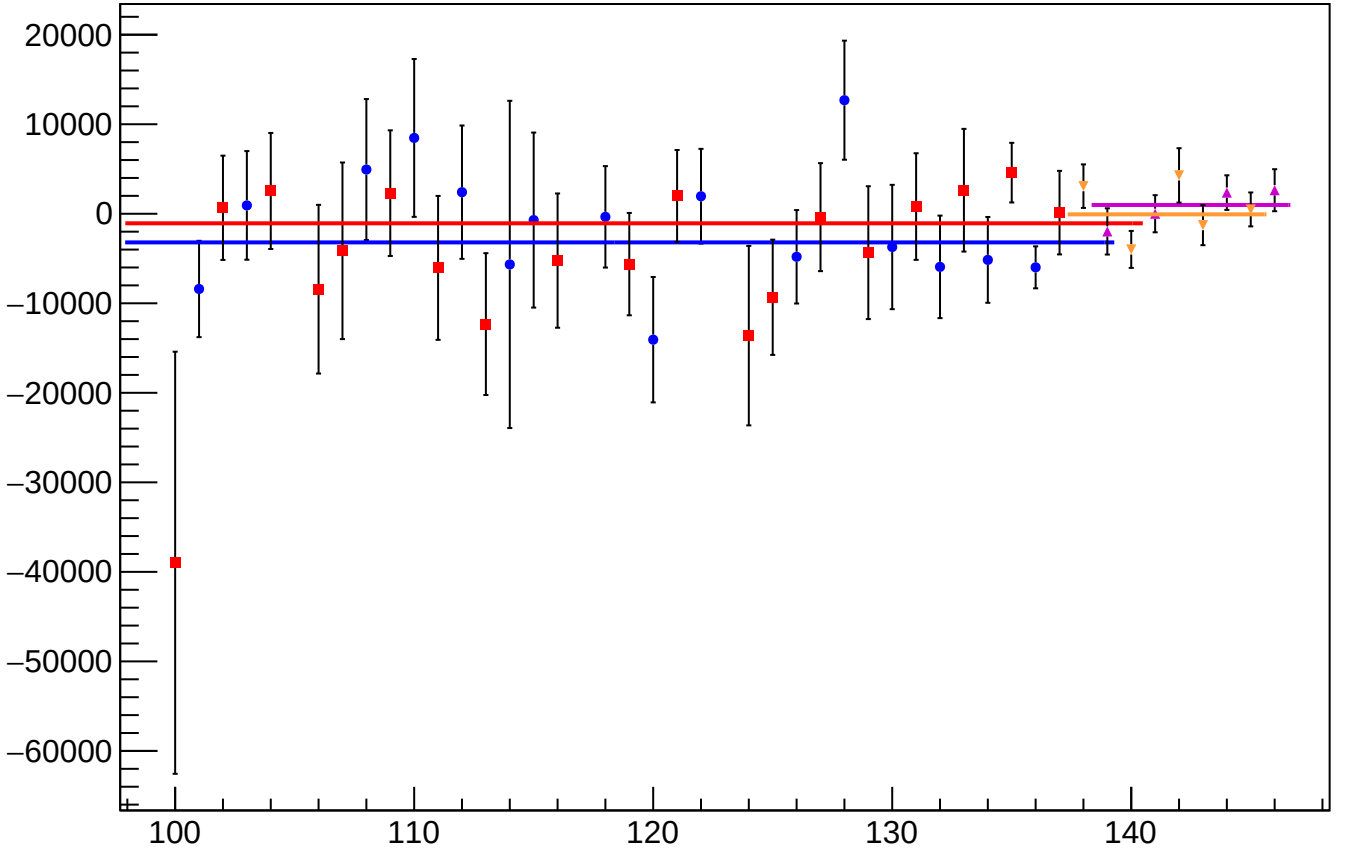
Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

\+ sign 281.607+/-0.062 χ^2/NDF: 959471.8/20

All: 283.264+/-0.044 χ^2/NDF: 2044711.5/43

\- sign 284.966+/-0.062 χ^2/NDF: 1083776.0/22

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -65.899+/-1004.766 χ^2/NDF:7.7/4

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

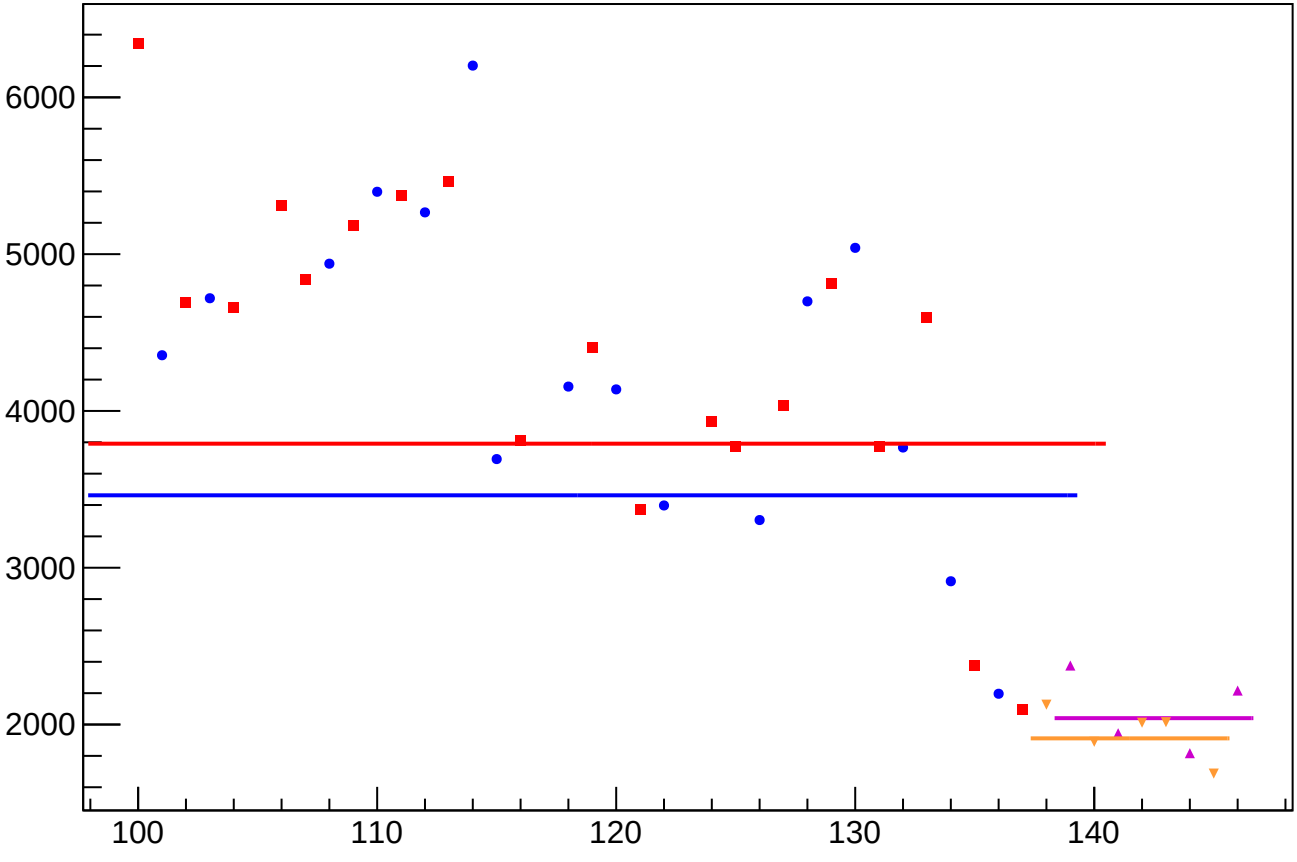
Left In: 981.682+/-1096.260 χ^2/NDF:2.5/3

+ sign -1178.627+/-806.833 χ^2/NDF: 27.3/20

All: -528.522+/-592.528 χ^2/NDF: 46.9/43

- sign 232.574+/-872.995 χ^2/NDF: 18.2/22

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1911.728+/-0.710 χ^2/NDF:50410.1/4

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

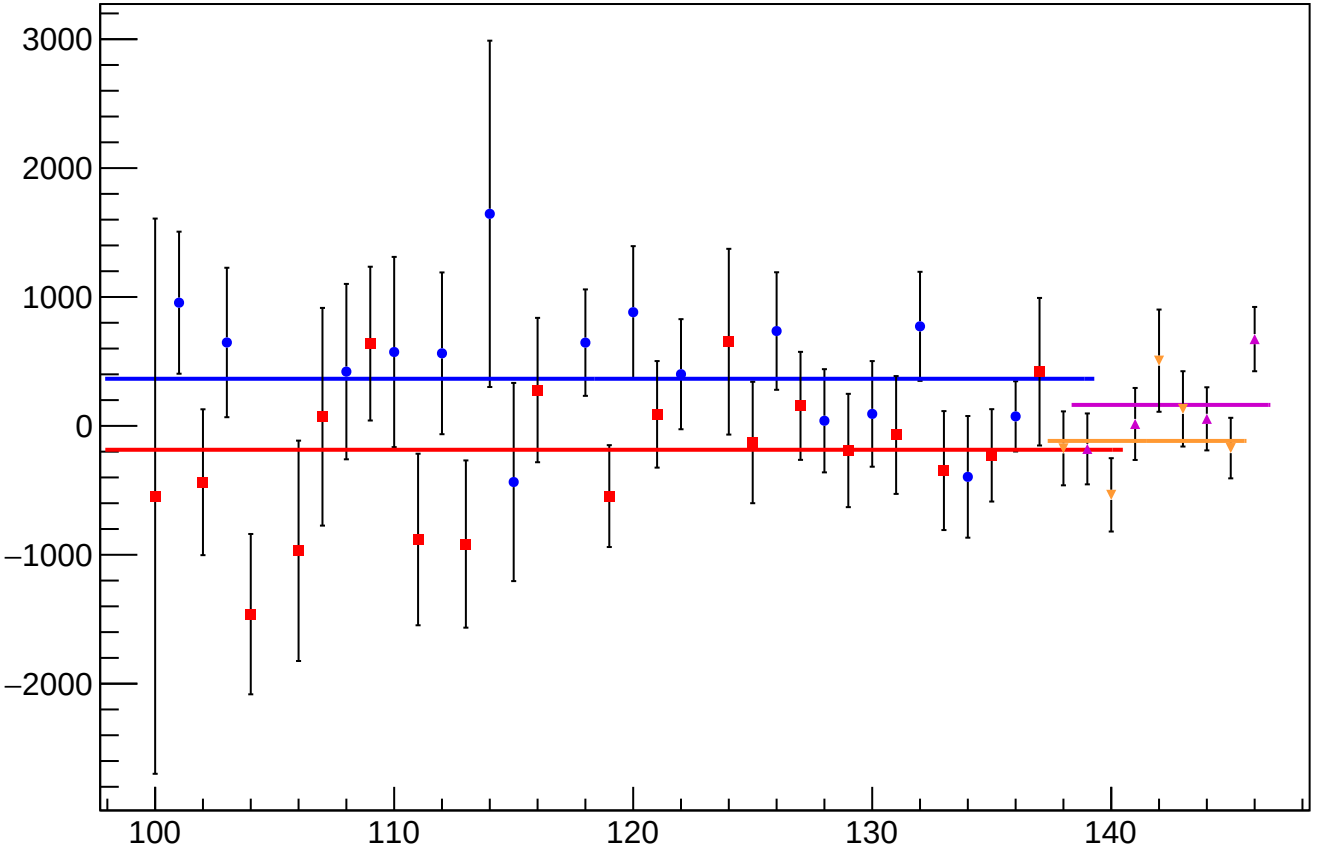
Left In: 2040.554+/-0.775 χ^2/NDF:76068.4/3

+ sign 2462.330+/-0.571 χ^2/NDF: 3050918.5/20

All: 2563.074+/-0.419 χ^2/NDF: 6216372.1/43

- sign 2681.018+/-0.617 χ^2/NDF: 3097765.8/22

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -116.644+/-128.350 χ^2/NDF:5.4/4

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

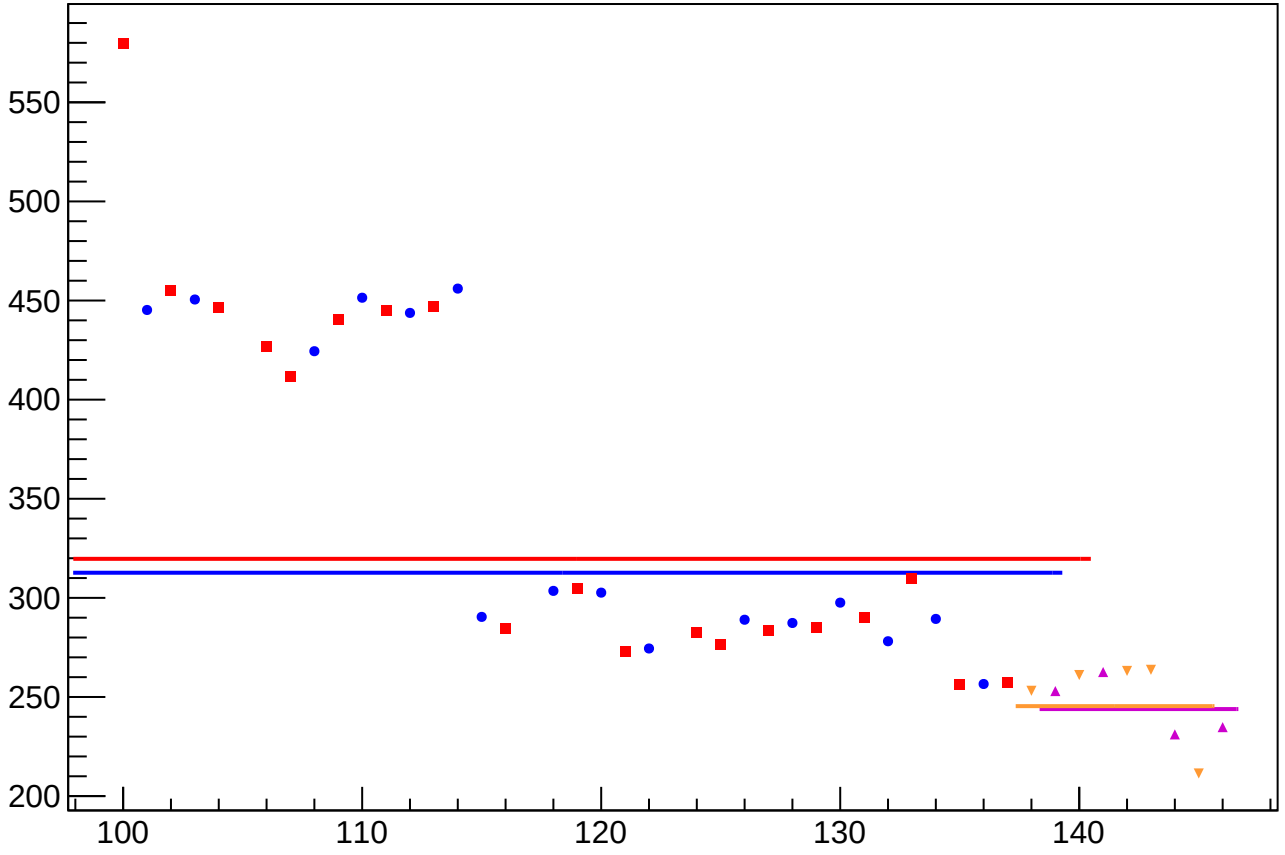
Left In: 162.802+/-130.413 χ^2/NDF:6.2/3

+ sign 142.896+/-87.214 χ^2/NDF: 24.5/20

All: 59.855+/-62.079 χ^2/NDF: 51.4/43

- sign -25.430+/-88.384 χ^2/NDF: 25.0/22

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 245.379+/-0.091 χ^2/NDF:61245.7/4

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

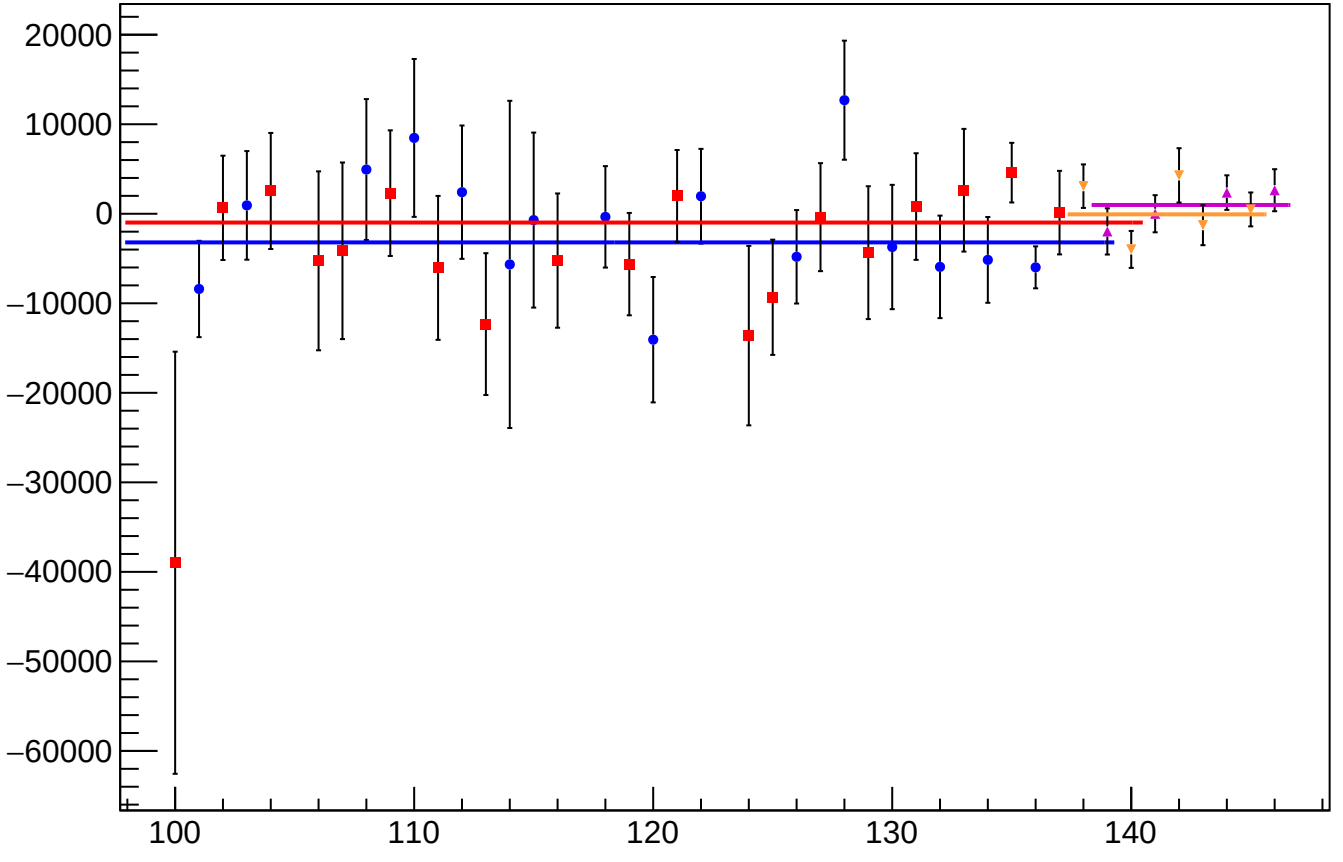
Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

\+ sign 281.607+/-0.062 χ^2/NDF: 959473.4/20

All: 283.223+/-0.044 χ^2/NDF: 2039016.8/43

\- sign 284.883+/-0.062 χ^2/NDF: 1078151.9/22

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -65.899+/-1004.766 χ^2/NDF:7.7/4

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

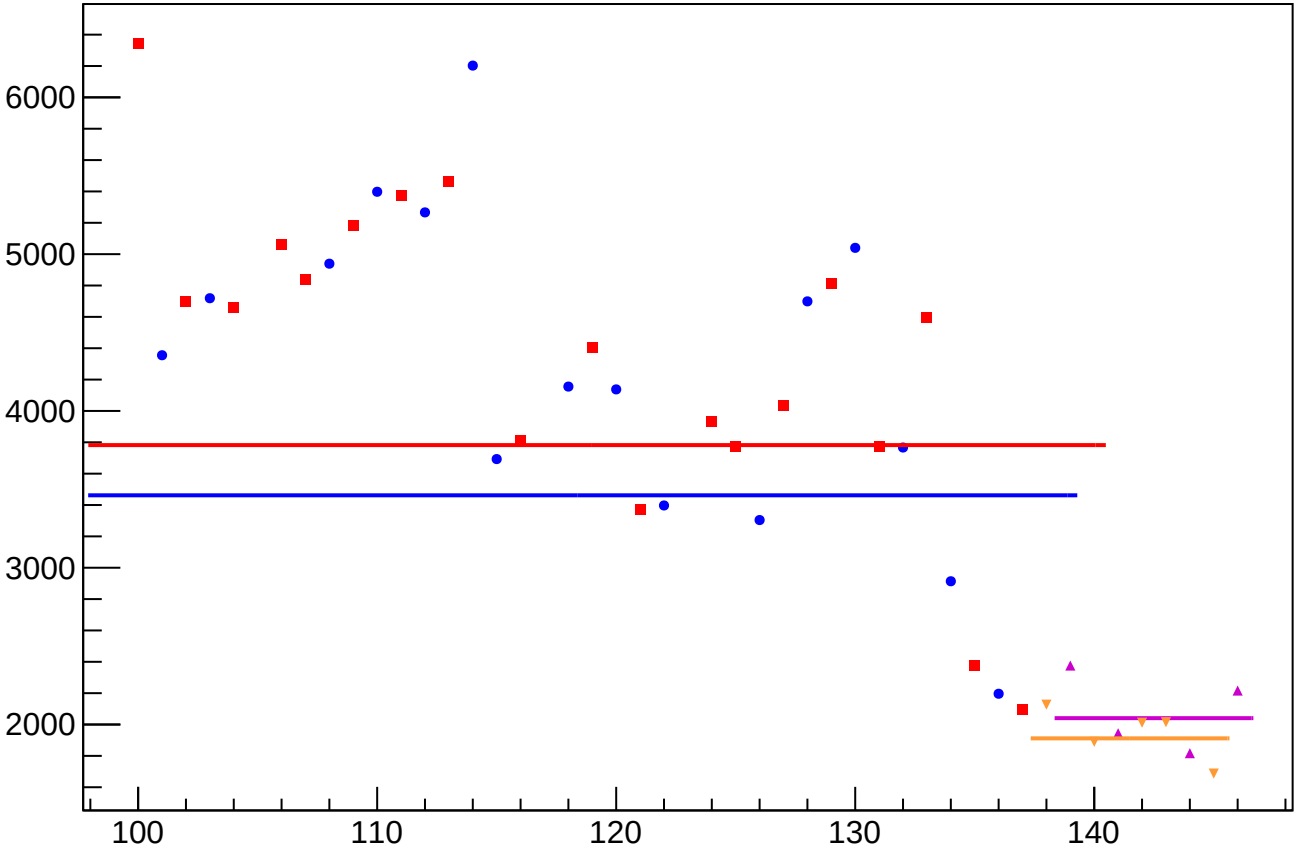
Left In: 981.651+/-1096.260 χ^2/NDF:2.5/3

+ sign -1178.599+/-806.834 χ^2/NDF: 27.3/20

All: -513.979+/-592.663 χ^2/NDF: 46.4/43

- sign 264.873+/-873.424 χ^2/NDF: 17.7/22

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1911.727+/-0.710 χ^2/NDF:50410.9/4

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

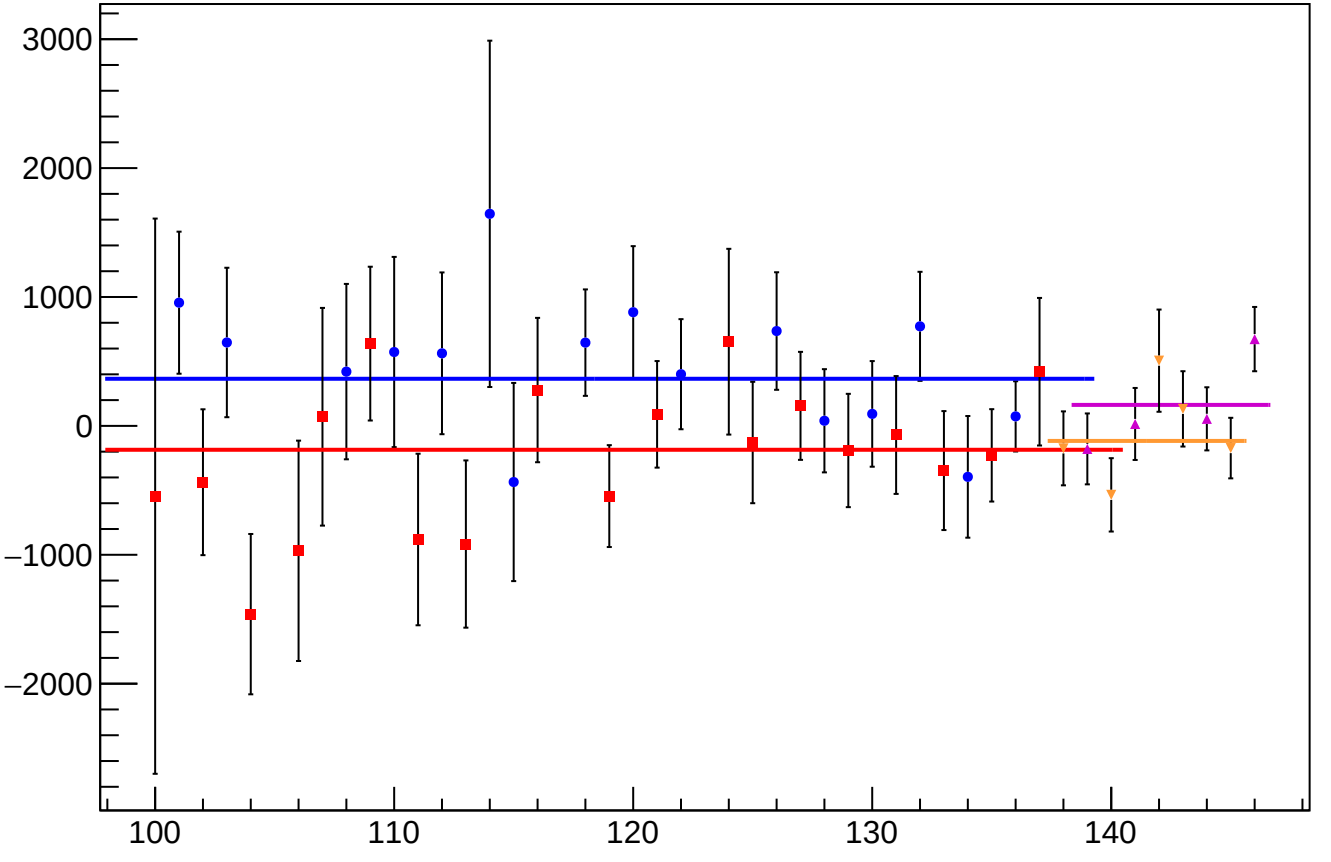
Left In: 2040.554+/-0.775 χ^2/NDF:76068.8/3

+ sign 2462.329+/-0.571 χ^2/NDF: 3050941.7/20

All: 2561.000+/-0.419 χ^2/NDF: 6171913.8/43

- sign 2676.630+/-0.618 χ^2/NDF: 3056007.6/22

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -116.644+/-128.350 χ^2/NDF:5.4/4

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

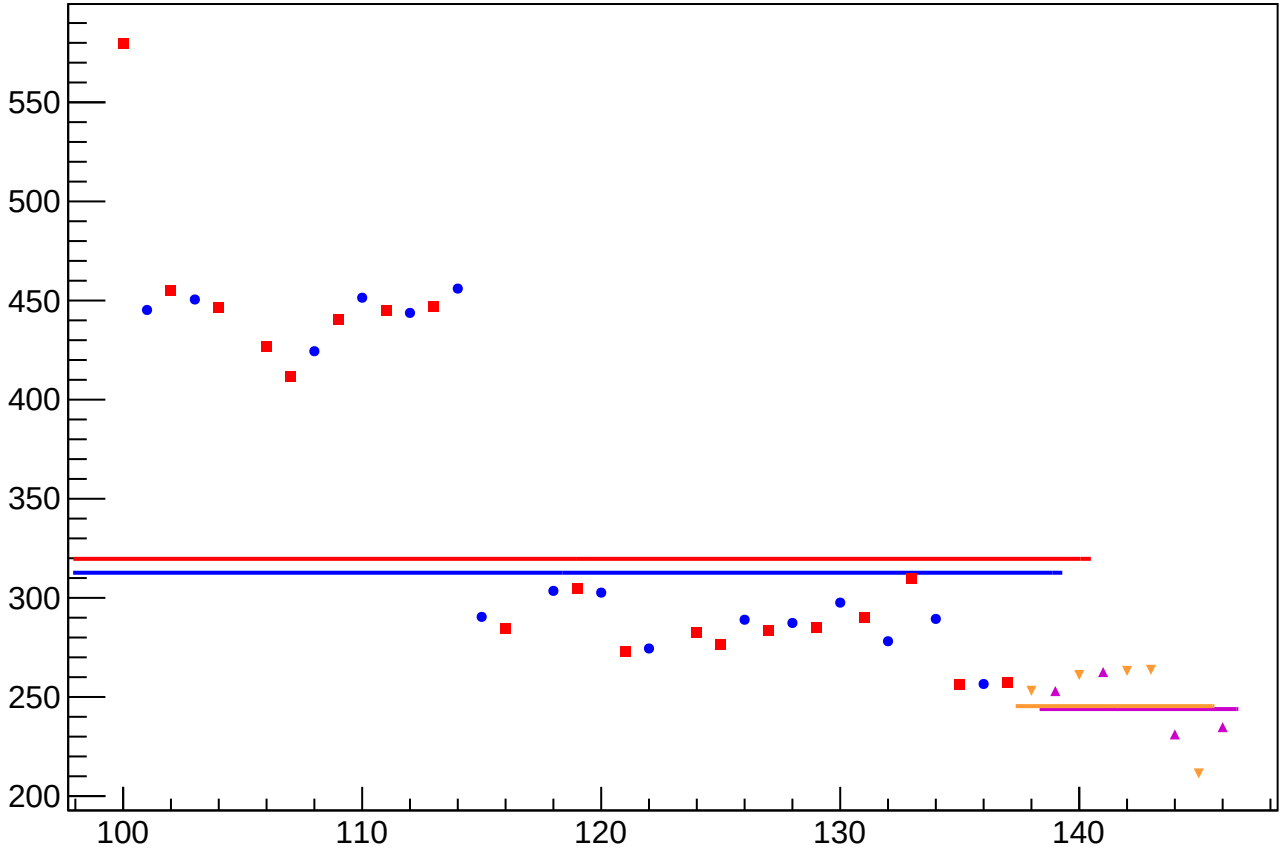
Left In: 162.802+/-130.413 χ^2/NDF:6.2/3

+ sign 142.896+/-87.214 χ^2/NDF: 24.5/20

All: 59.855+/-62.079 χ^2/NDF: 51.4/43

- sign -25.430+/-88.384 χ^2/NDF: 25.0/22

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 245.379+/-0.091 χ^2/NDF:61245.7/4

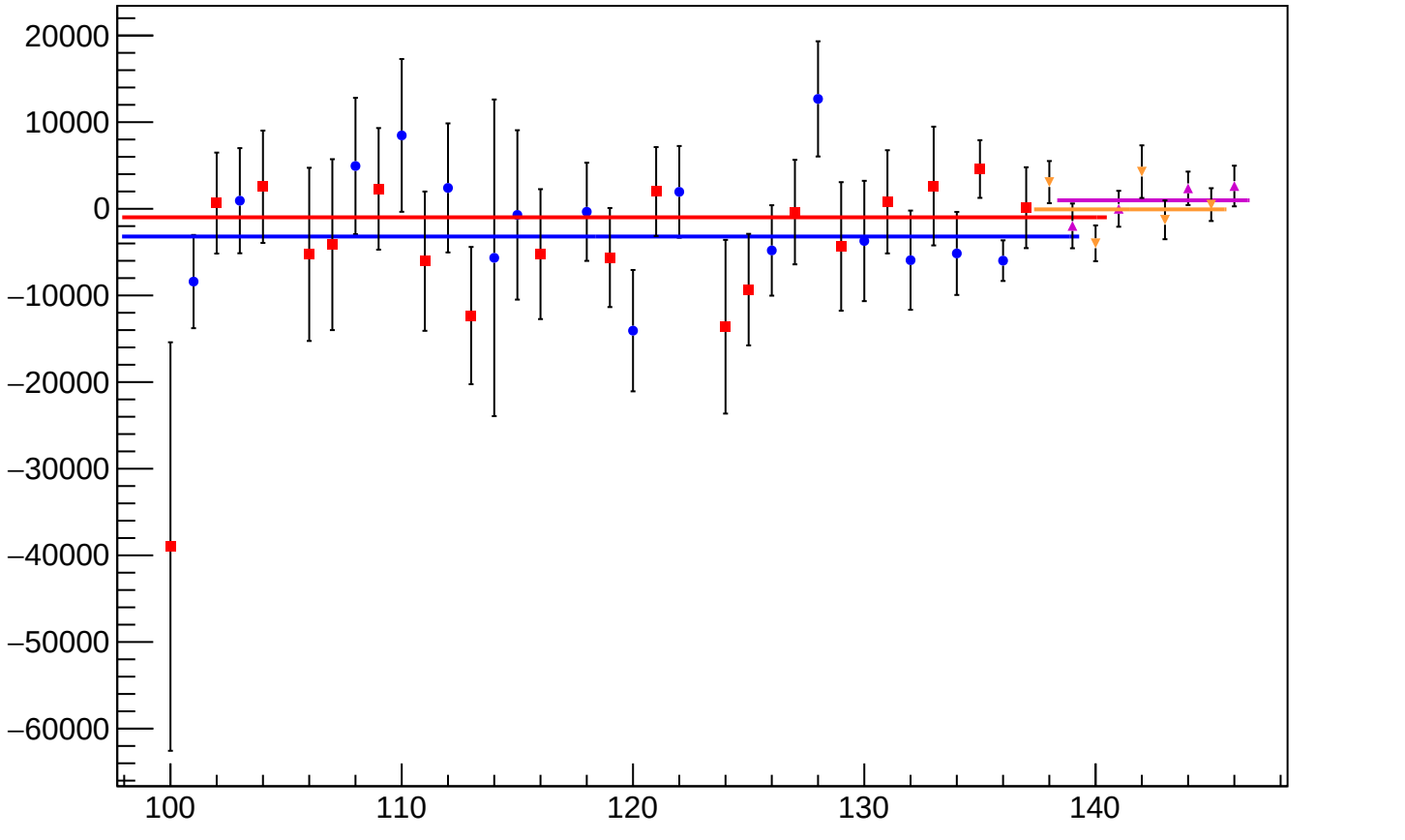
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

\+ sign 281.607+/-0.062 χ^2/NDF: 959473.4/20

All: 283.223+/-0.044 χ^2/NDF: 2039016.8/43

\- sign 284.883+/-0.062 χ^2/NDF: 1078151.9/22



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -65.899+/-1004.766 χ^2/NDF:7.7/4

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

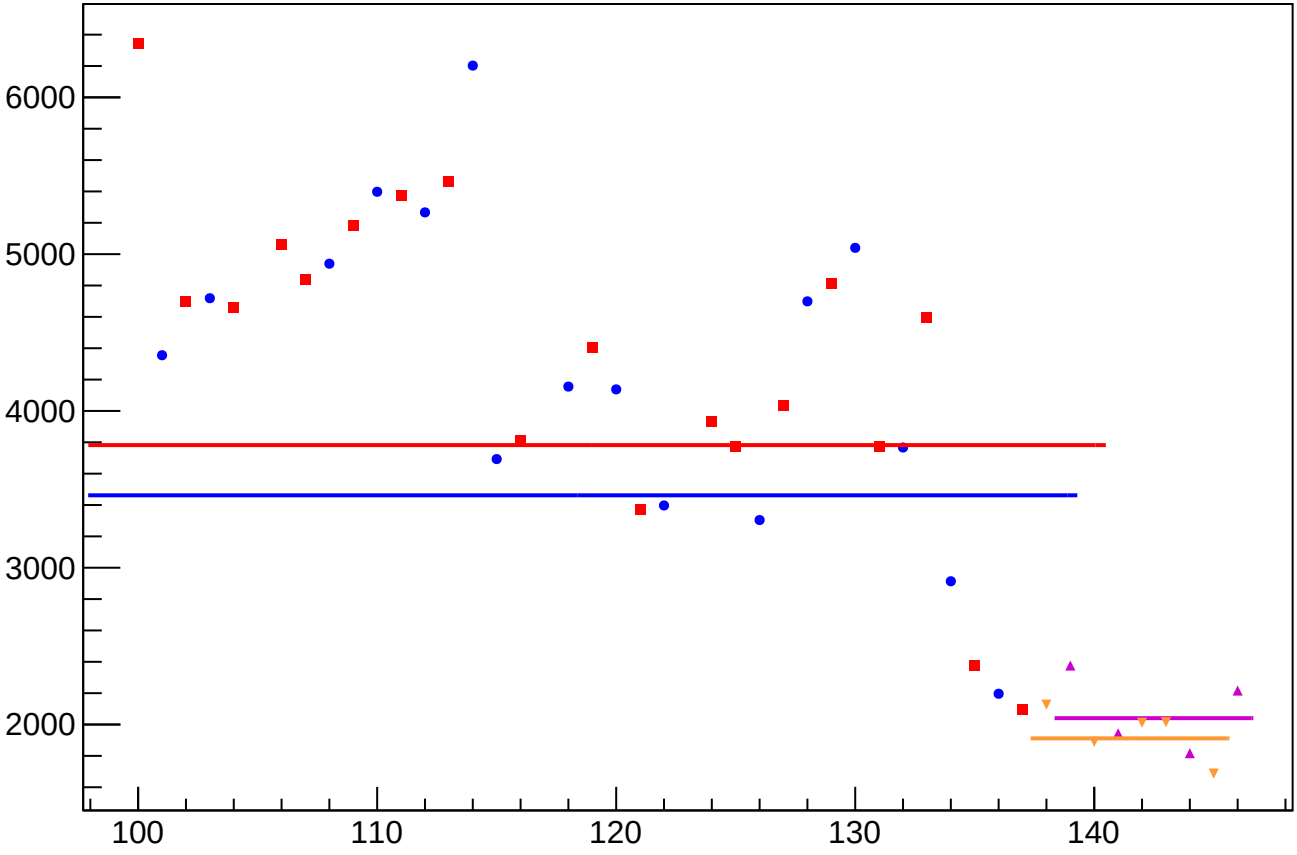
Left In: 981.651+/-1096.260 χ^2/NDF:2.5/3

\+ sign -1178.599+/-806.834 χ^2/NDF: 27.3/20

All: -513.979+/-592.663 χ^2/NDF: 46.4/43

\- sign 264.873+/-873.424 χ^2/NDF: 17.7/22

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1911.727+/-0.710 χ^2/NDF:50410.9/4

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

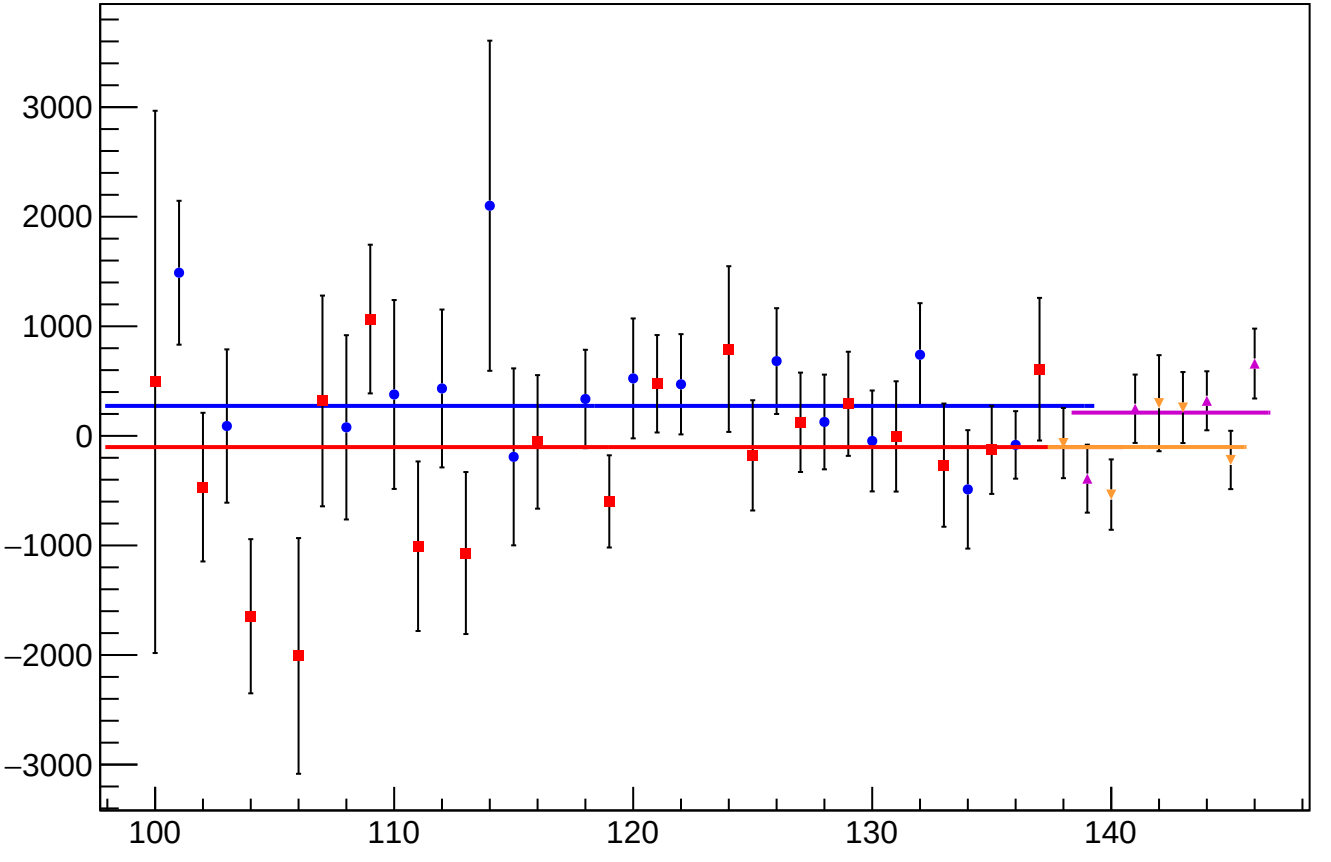
Left In: 2040.554+/-0.775 χ^2/NDF:76068.8/3

+ sign 2462.329+/-0.571 χ^2/NDF: 3050941.7/20

All: 2561.000+/-0.419 χ^2/NDF: 6171913.8/43

- sign 2676.630+/-0.618 χ^2/NDF: 3056007.6/22

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -101.979+/-143.927 χ^2/NDF:4.1/4

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

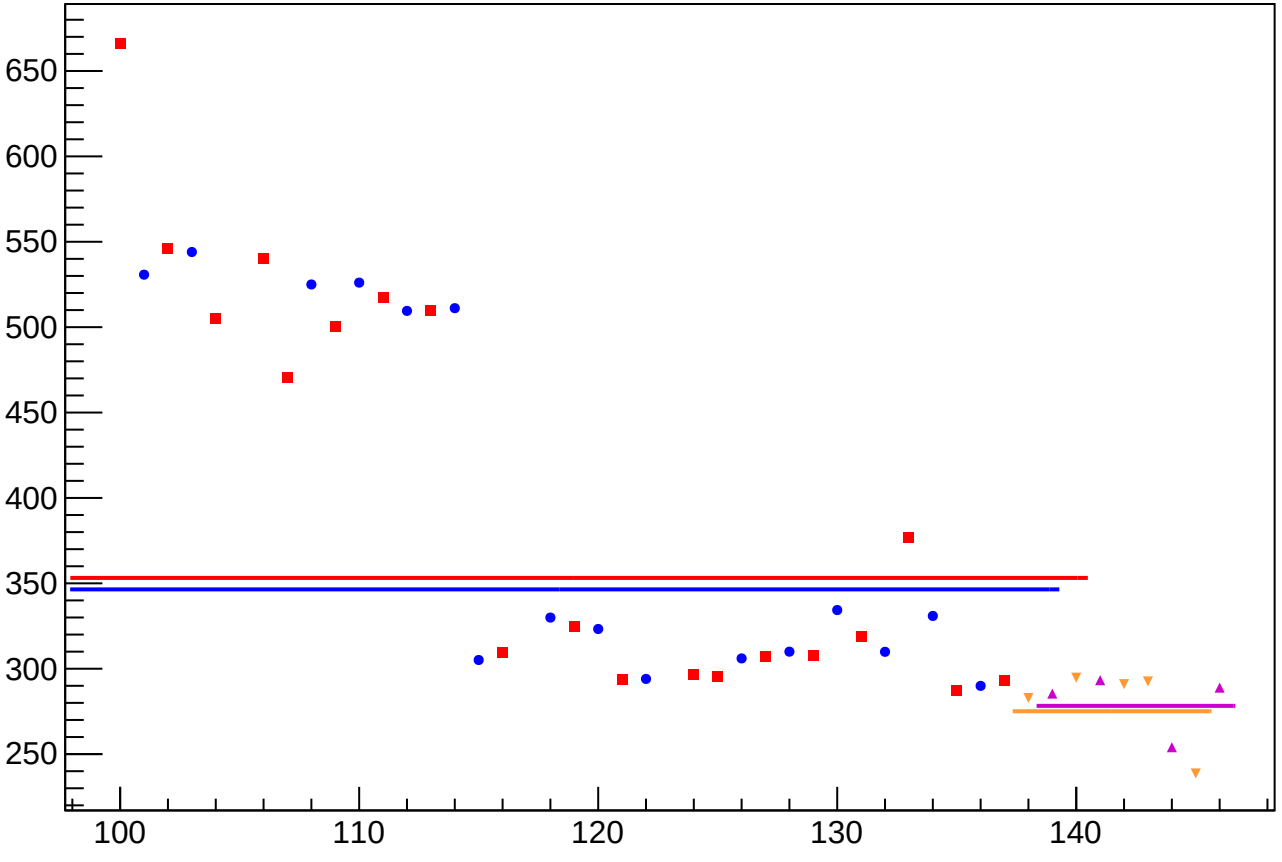
Left In: 212.174+/-150.262 χ^2/NDF:5.9/3

+ sign 101.246+/-97.496 χ^2/NDF: 19.2/20

All: 69.649+/-69.756 χ^2/NDF: 49.1/43

- sign 36.510+/-99.845 χ^2/NDF: 29.7/22

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 275.107+/-0.102 χ^2/NDF:54558.0/4

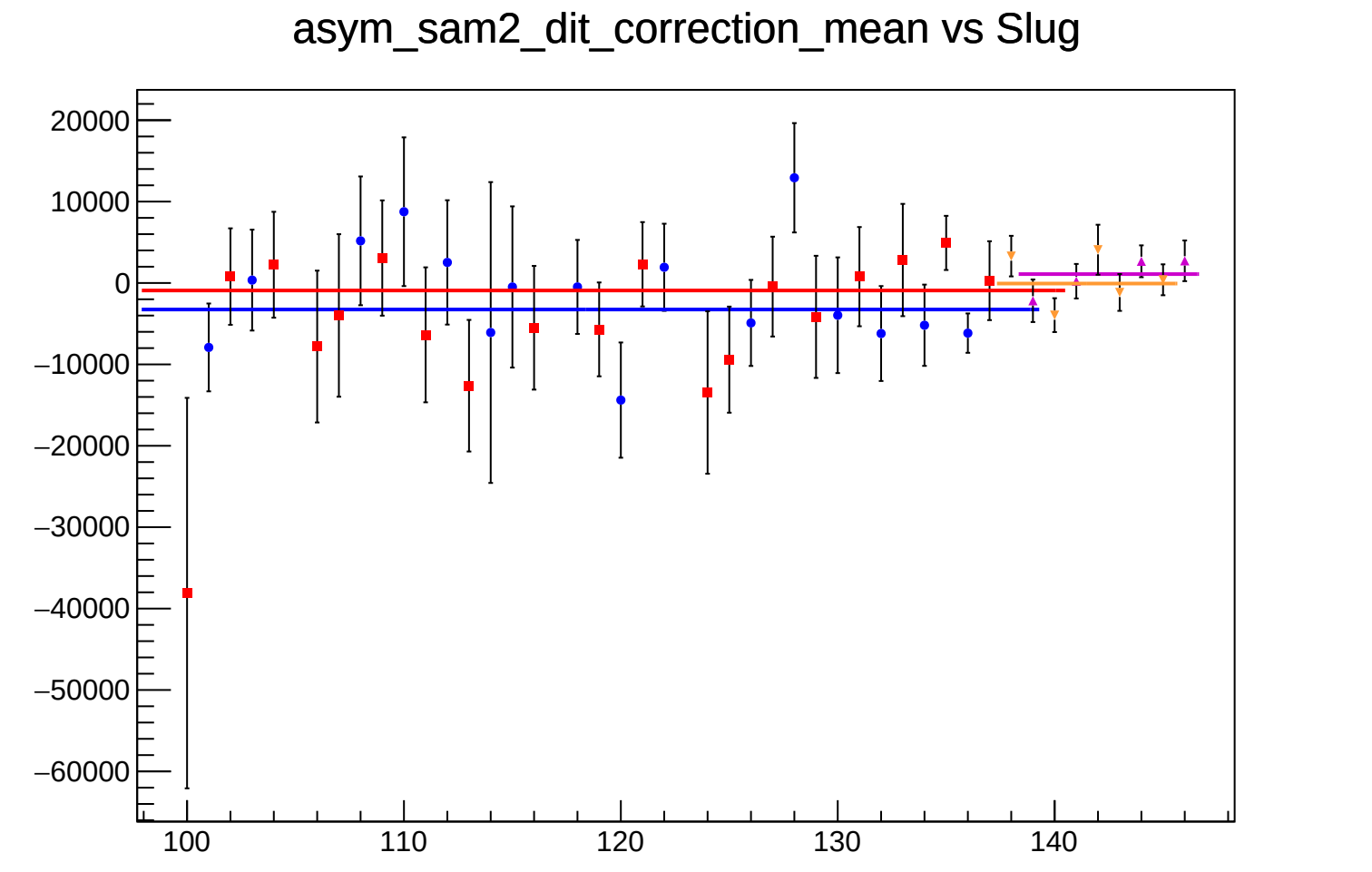
Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 278.263+/-0.106 χ^2/NDF:24153.4/3

+ sign 313.716+/-0.069 χ^2/NDF: 1089271.7/20

All: 316.832+/-0.049 χ^2/NDF: 2261606.8/43

- sign 320.101+/-0.071 χ^2/NDF: 1168147.9/22



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -68.242+/-1015.034 χ^2/NDF:7.4/4

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

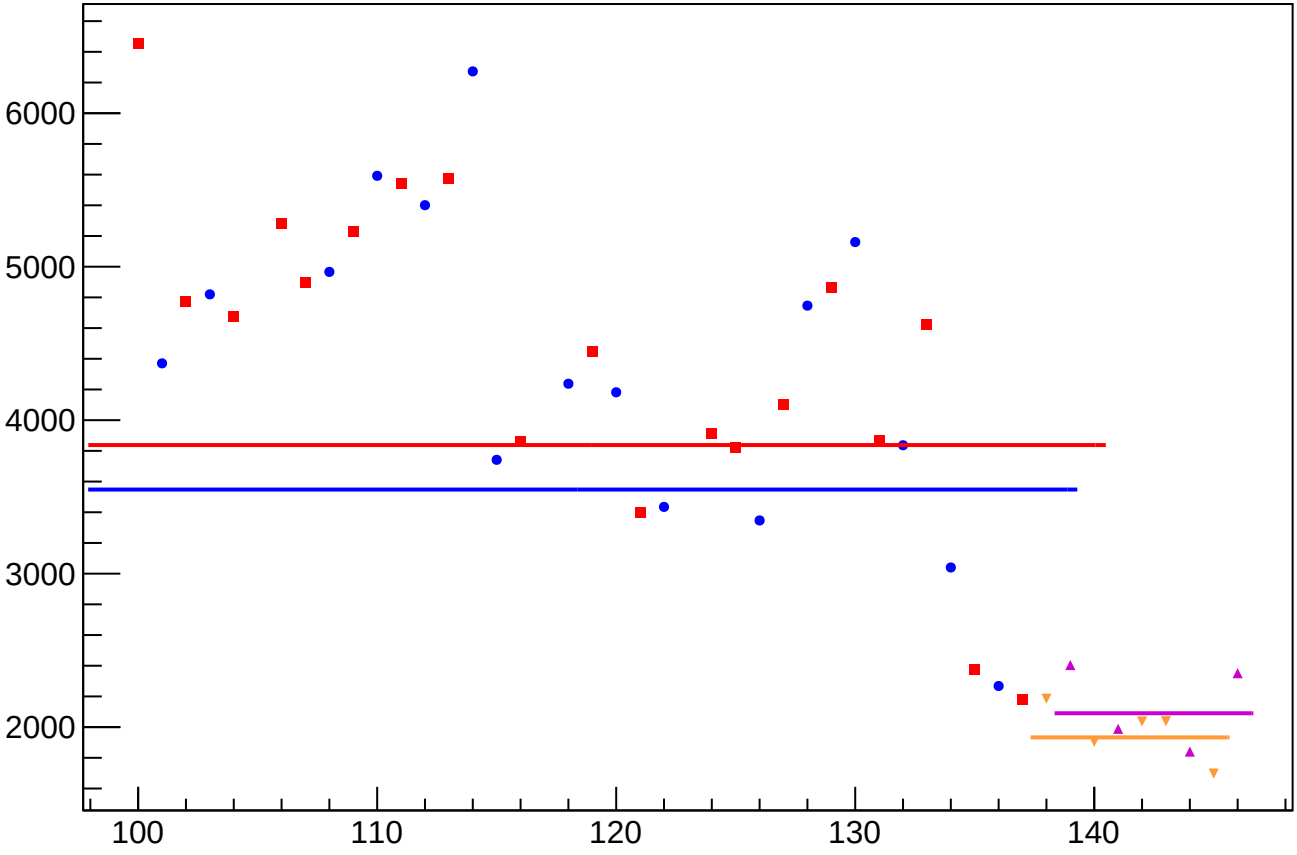
Left In: 1092.160+/-1124.741 χ^2/NDF:2.8/3

+ sign -1184.026+/-818.529 χ^2/NDF: 26.9/20

All: -485.379+/-602.835 χ^2/NDF: 47.1/43

- sign 342.776+/-891.171 χ^2/NDF: 18.6/22

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 1933.072+/-0.718 χ^2/NDF:58216.8/4

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

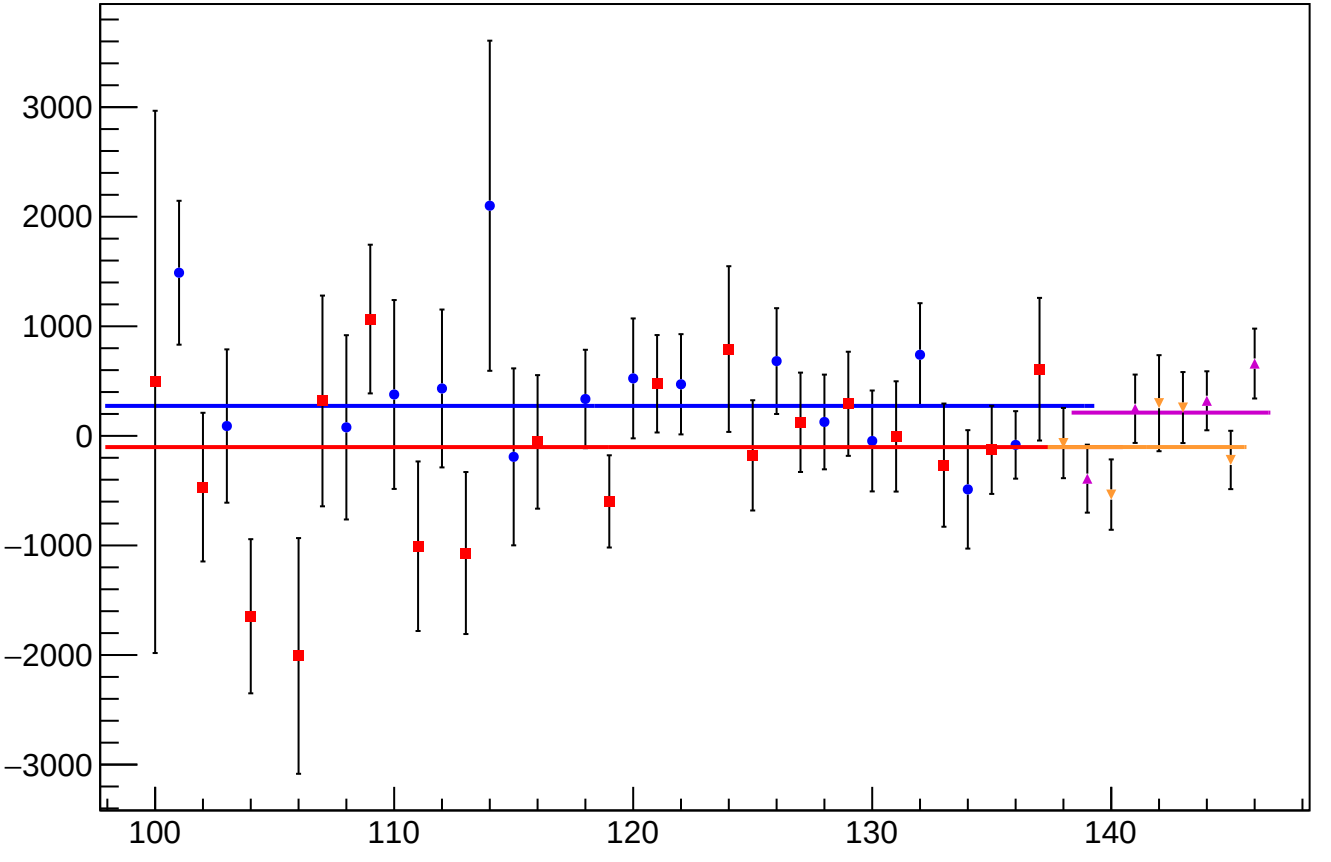
Left In: 2090.332+/-0.795 χ^2/NDF:87954.8/3

+ sign 2497.818+/-0.579 χ^2/NDF: 3087085.2/20

All: 2609.010+/-0.426 χ^2/NDF: 6208789.2/43

- sign 2740.814+/-0.630 χ^2/NDF: 3041048.7/22

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -101.989+/-143.927 χ^2/NDF:4.1/4

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

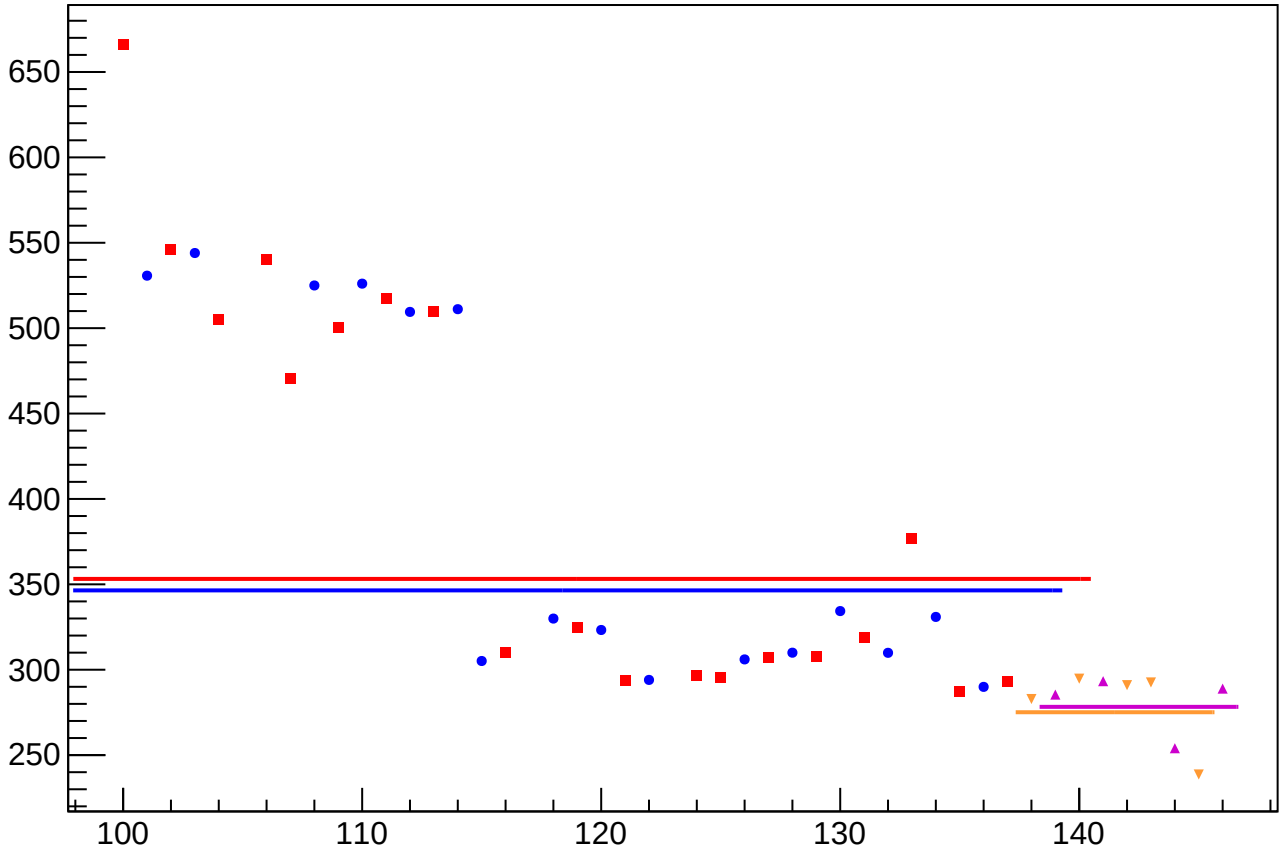
Left In: 212.175+/-150.262 χ^2/NDF:5.9/3

+ sign 101.245+/-97.496 χ^2/NDF: 19.2/20

All: 69.648+/-69.756 χ^2/NDF: 49.1/43

- sign 36.511+/-99.845 χ^2/NDF: 29.7/22

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 275.107+/-0.102 χ^2/NDF:54558.5/4

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

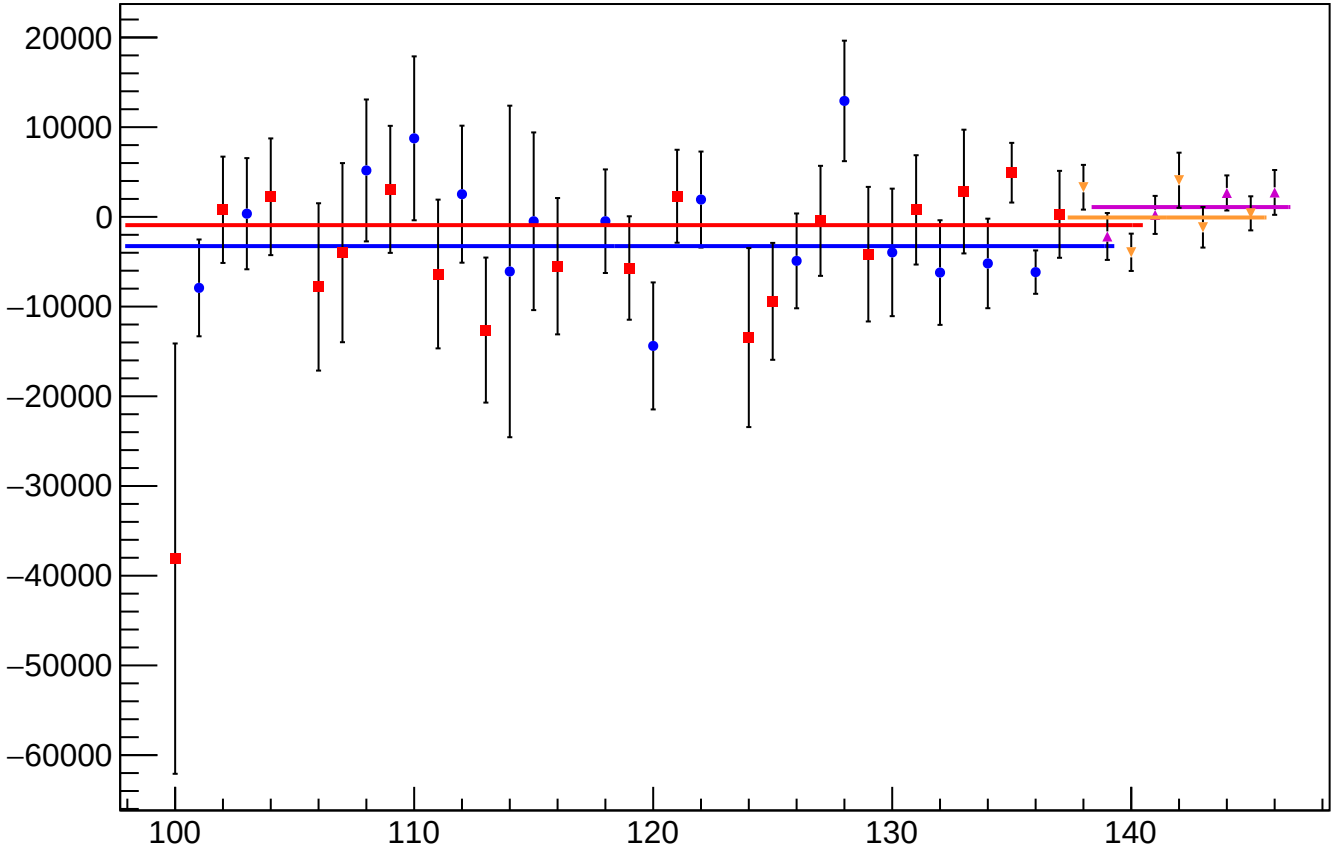
Left In: 278.263+/-0.106 χ^2/NDF:24152.9/3

+ sign 313.715+/-0.069 χ^2/NDF: 1089251.1/20

All: 316.831+/-0.049 χ^2/NDF: 2261568.4/43

- sign 320.100+/-0.071 χ^2/NDF: 1168129.7/22

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -68.247+/-1015.033 χ^2/NDF:7.4/4

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

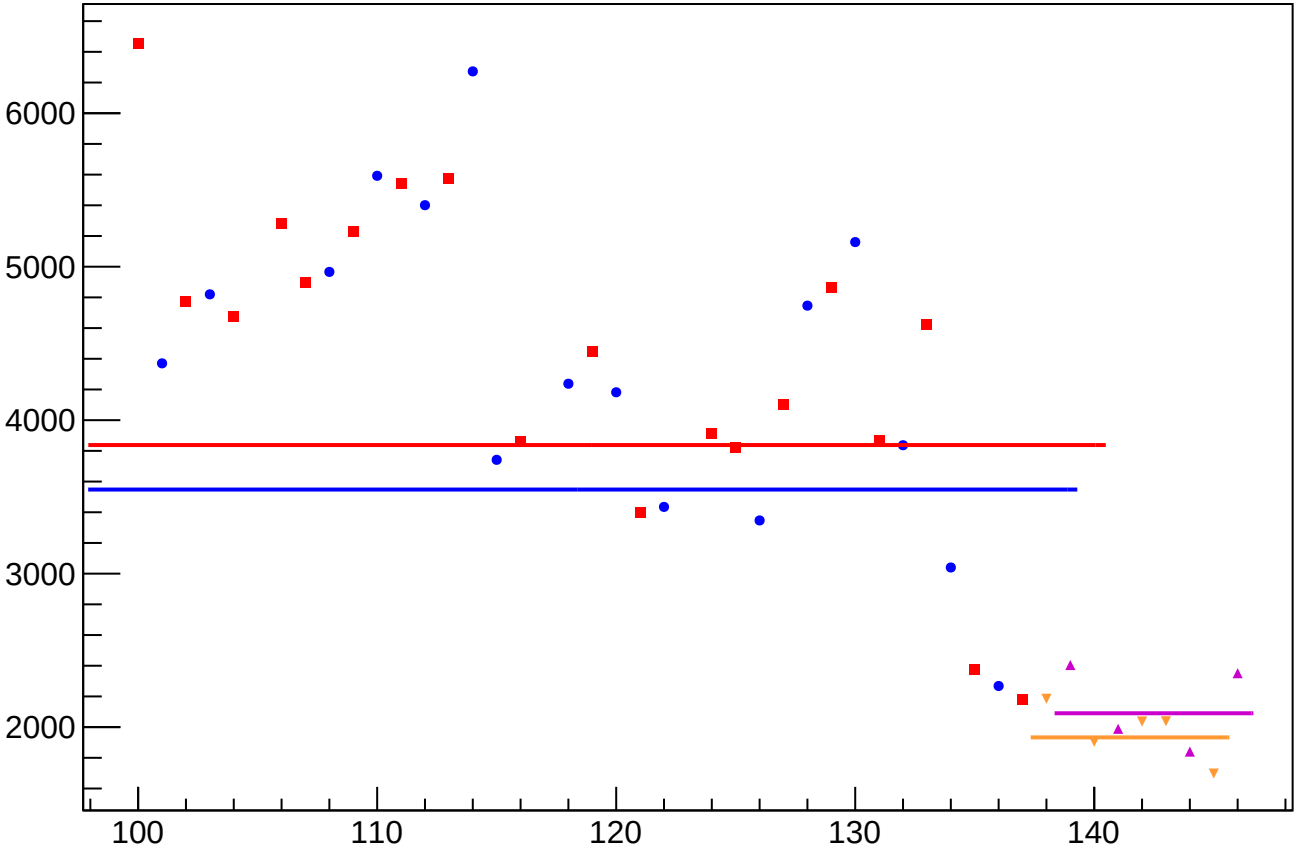
Left In: 1092.157+/-1124.740 χ^2/NDF:2.8/3

+ sign -1184.027+/-818.528 χ^2/NDF: 26.9/20

All: -485.381+/-602.834 χ^2/NDF: 47.1/43

- sign 342.772+/-891.170 χ^2/NDF: 18.6/22

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 1933.069+/-0.718 χ^2/NDF:58218.4/4

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

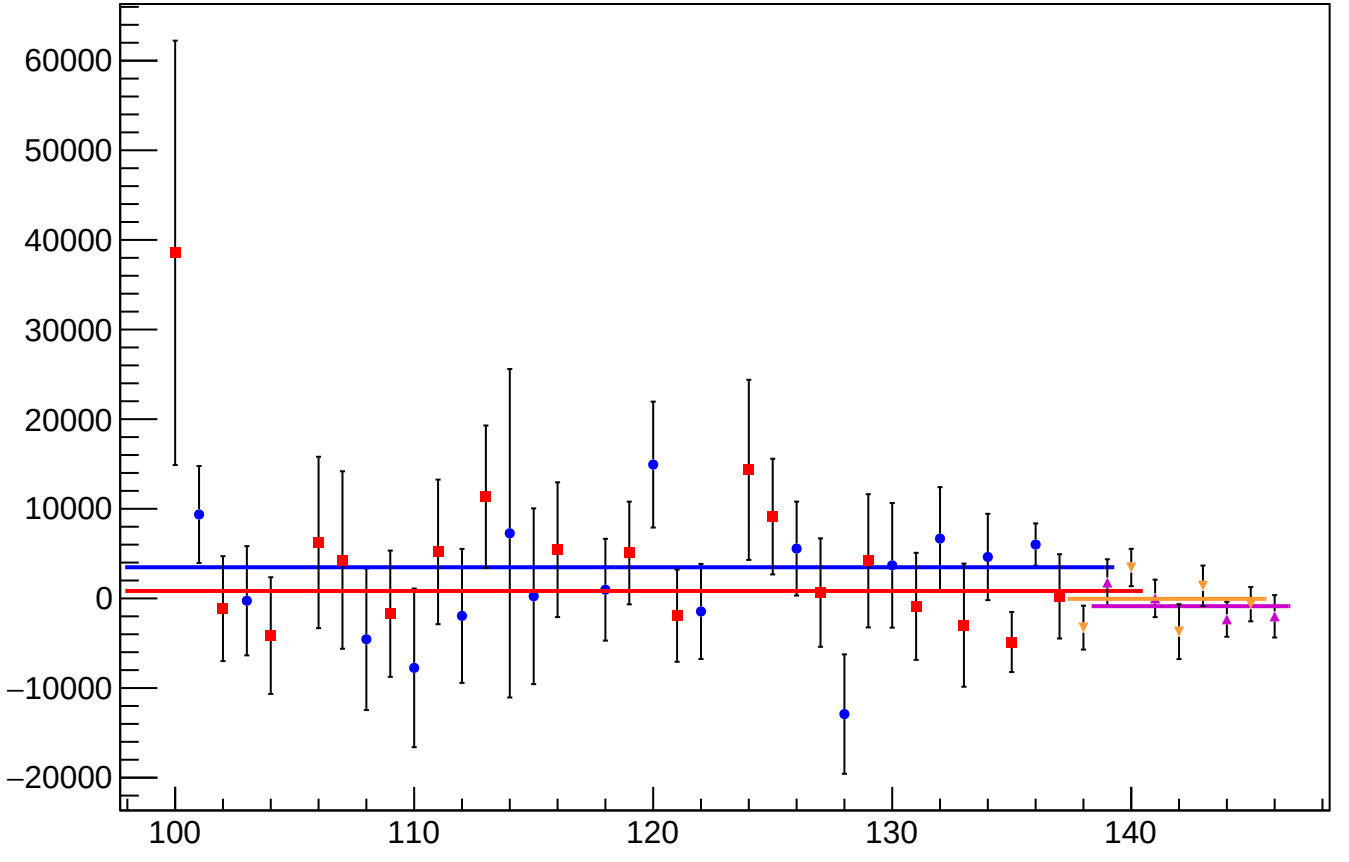
Left In: 2090.330+/-0.795 χ^2/NDF:87953.6/3

+ sign 2497.815+/-0.579 χ^2/NDF: 3087077.0/20

All: 2609.008+/-0.426 χ^2/NDF: 6208769.4/43

- sign 2740.812+/-0.630 χ^2/NDF: 3041036.3/22

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: -47.945+/-1013.246 χ^2/NDF:6.5/4

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

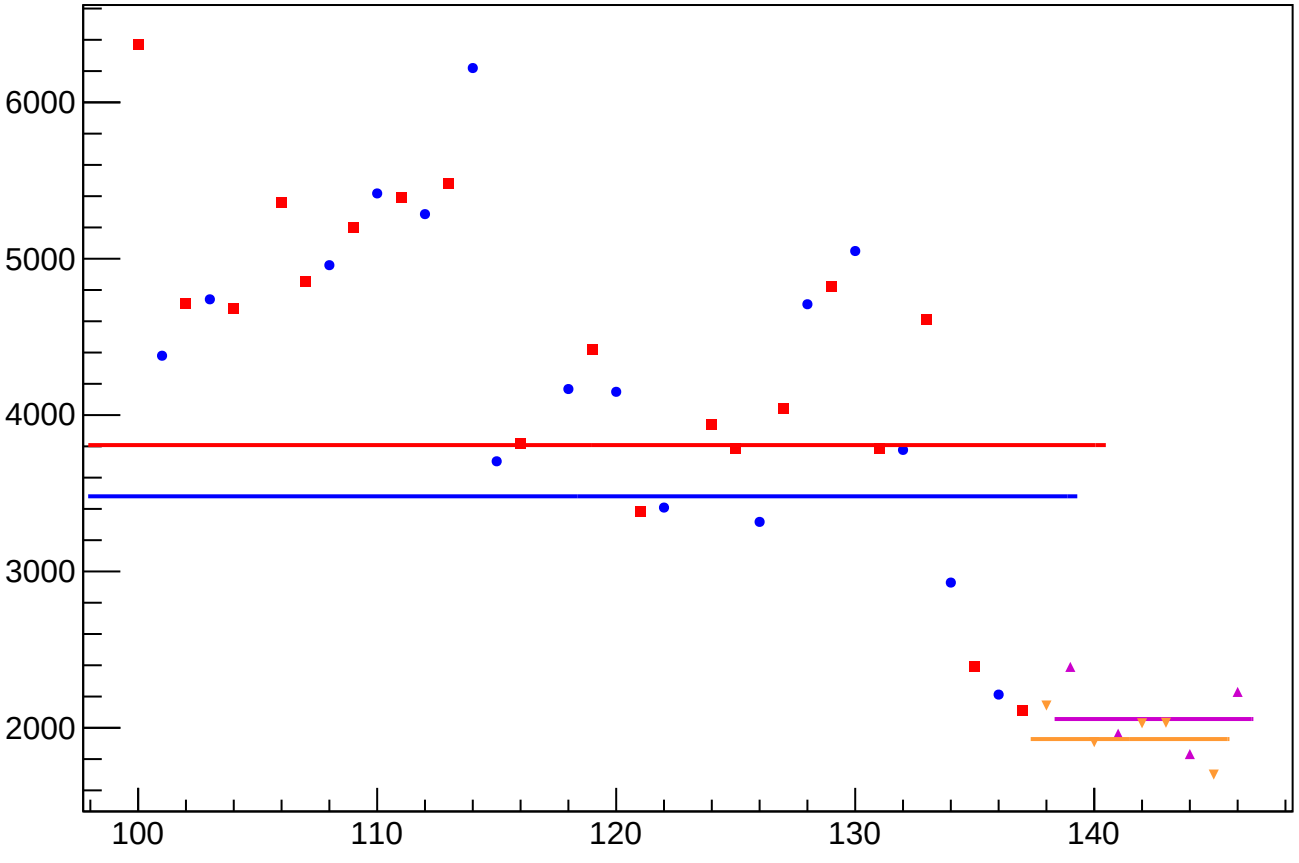
Left In: -866.611+/-1104.474 χ^2/NDF:2.0/3

+ sign 1210.331+/-812.606 χ^2/NDF: 27.1/20

All: 540.458+/-596.548 χ^2/NDF: 45.5/43

- sign -242.531+/-878.539 χ^2/NDF: 16.9/22

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 1928.140+/-0.716 χ^2/NDF:50275.9/4

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

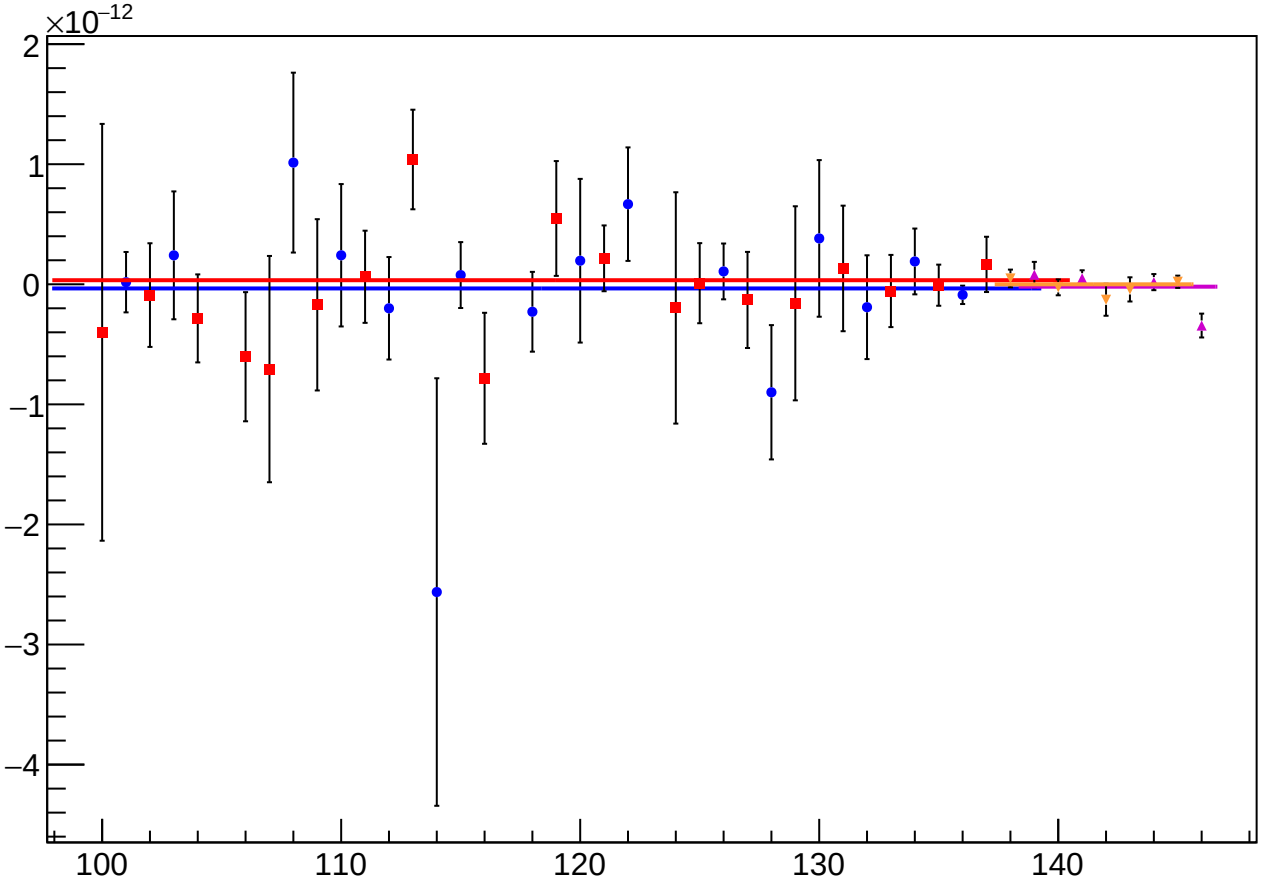
Left In: 2056.211+/-0.781 χ^2/NDF:74261.3/3

+ sign 2482.081+/-0.575 χ^2/NDF: 3022139.9/20

All: 2582.402+/-0.422 χ^2/NDF: 6158303.1/43

- sign 2699.663+/-0.621 χ^2/NDF: 3070050.5/22

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/4

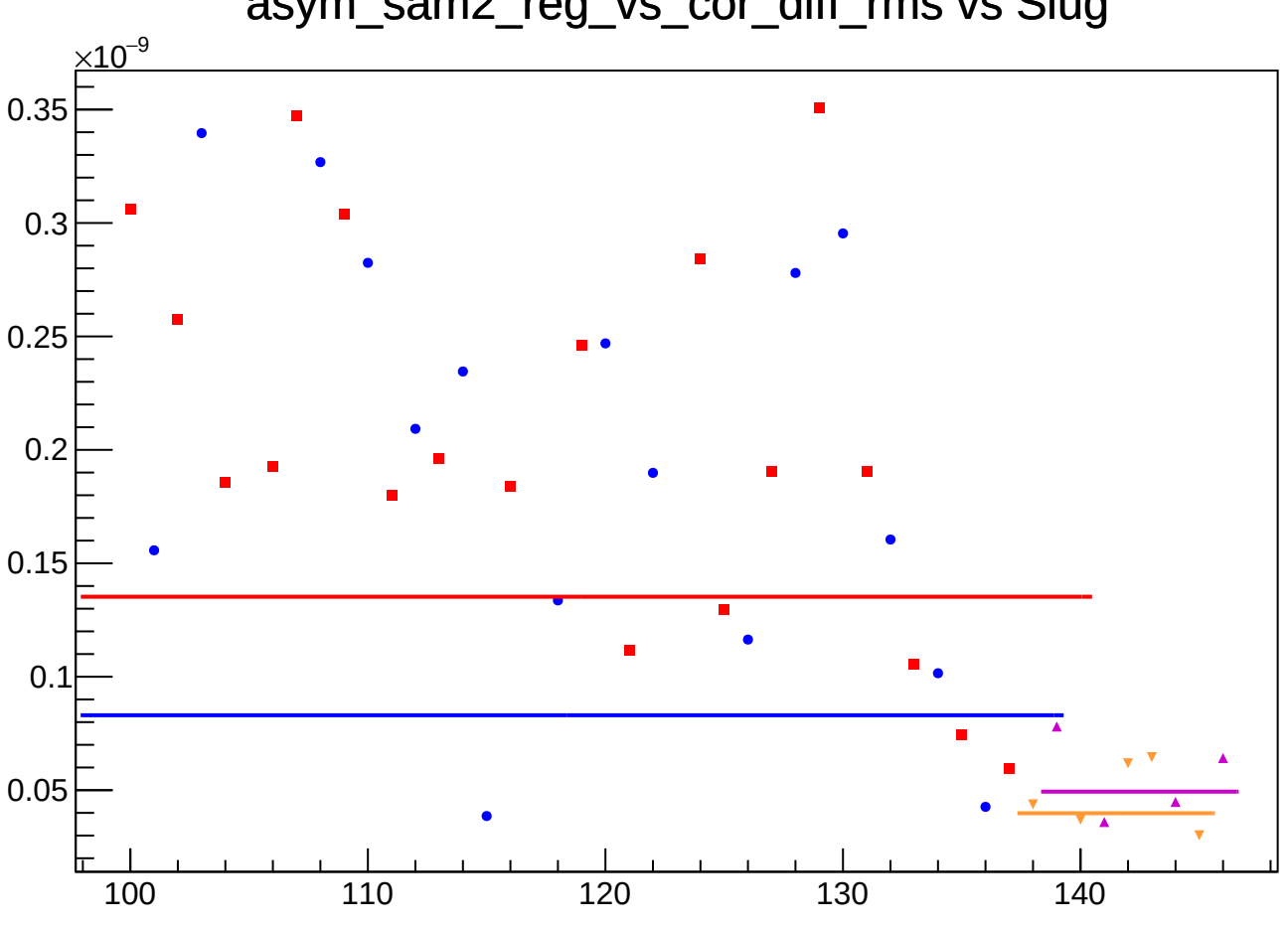
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 14.1/20

All: -0.000+/-0.000 χ^2/NDF: 40.8/43

- sign -0.000+/-0.000 χ^2/NDF: 26.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:257046.8/4

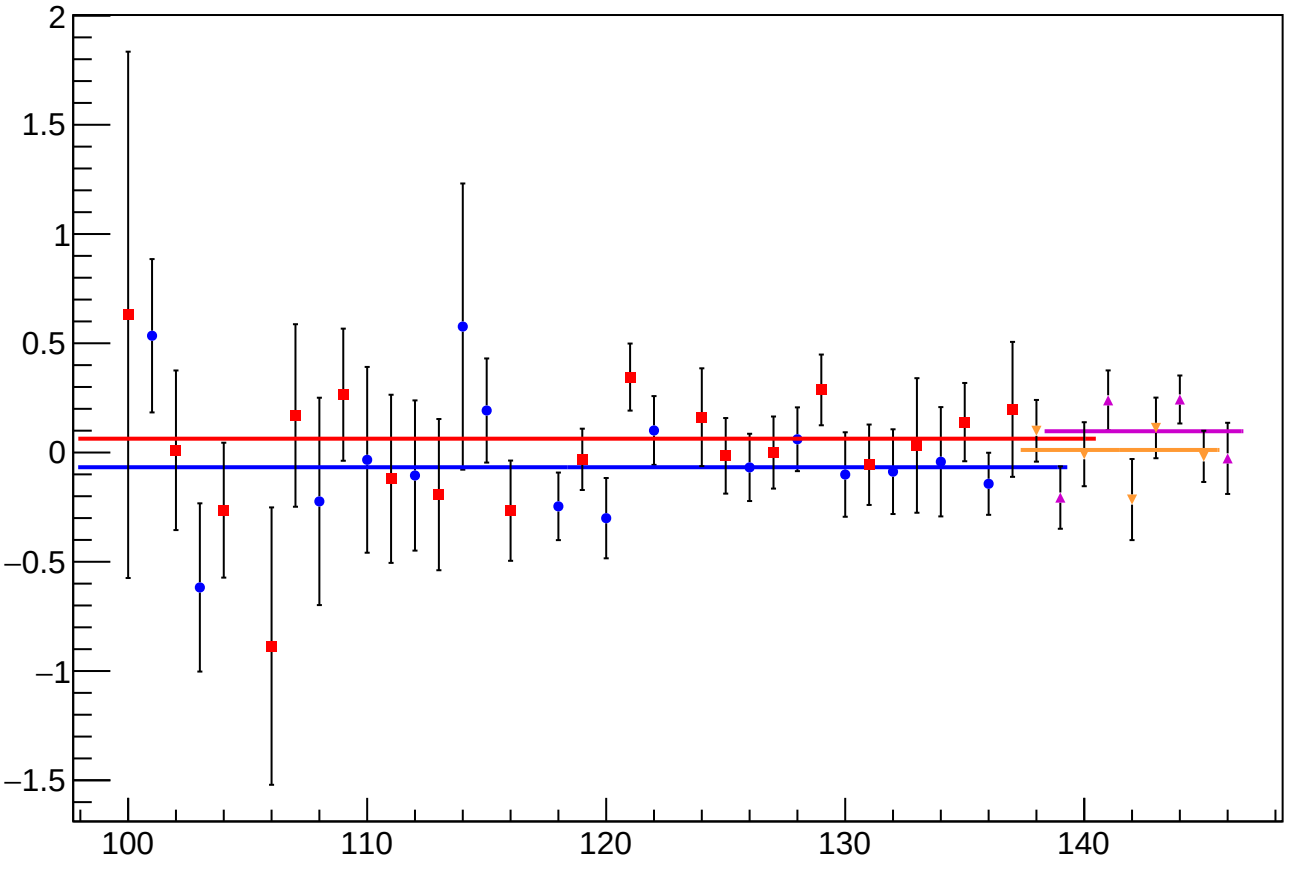
Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:278306.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 3749088.0/20

All: 0.000+/-0.000 χ^2/NDF: 7334085.4/43

- sign 0.000+/-0.000 χ^2/NDF: 3362907.7/22



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

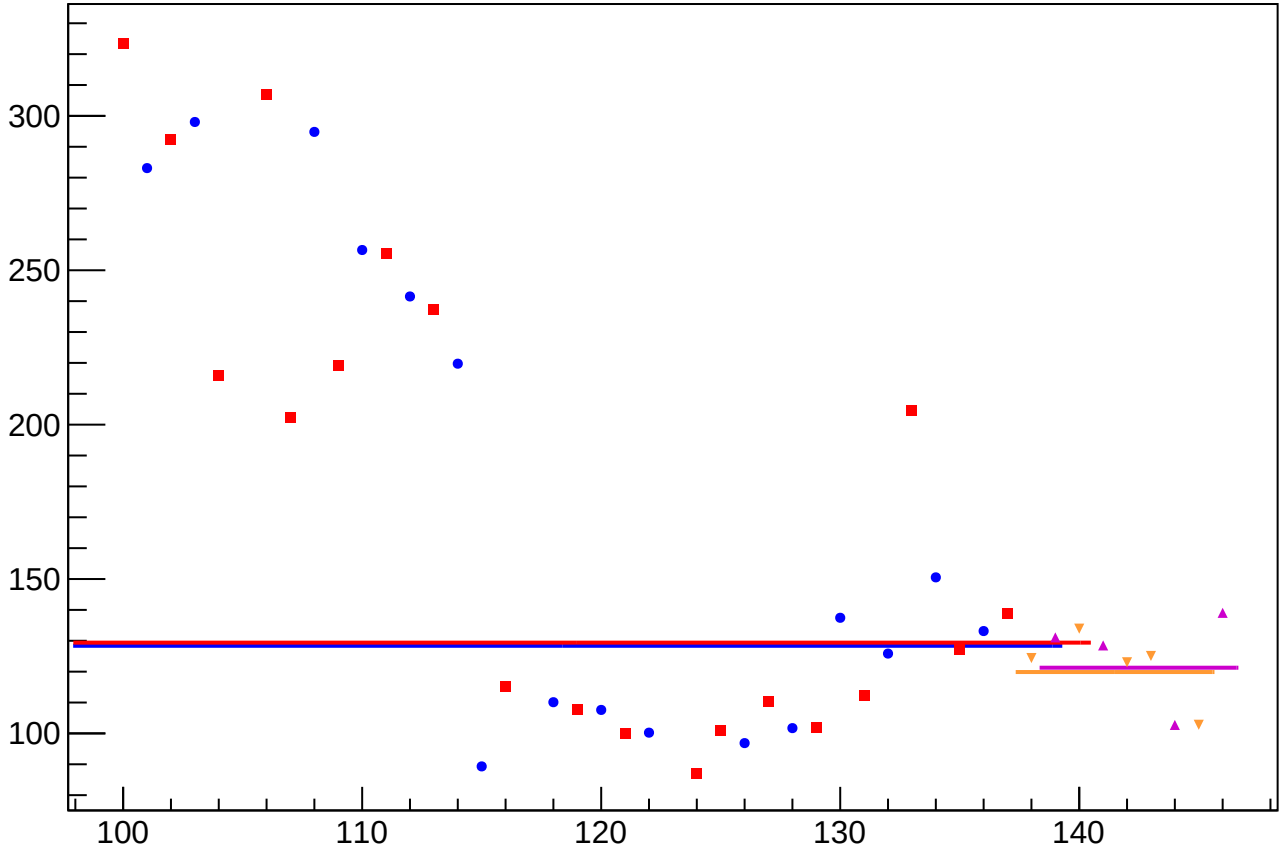
Left In: 0.097+/-0.067 χ^2/NDF:7.9/3

+ sign -0.036+/-0.040 χ^2/NDF: 15.9/20

All: 0.019+/-0.029 χ^2/NDF: 41.8/43

- sign 0.076+/-0.041 χ^2/NDF: 22.1/22

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 119.879+/-0.045 χ^2/NDF:66360.1/4

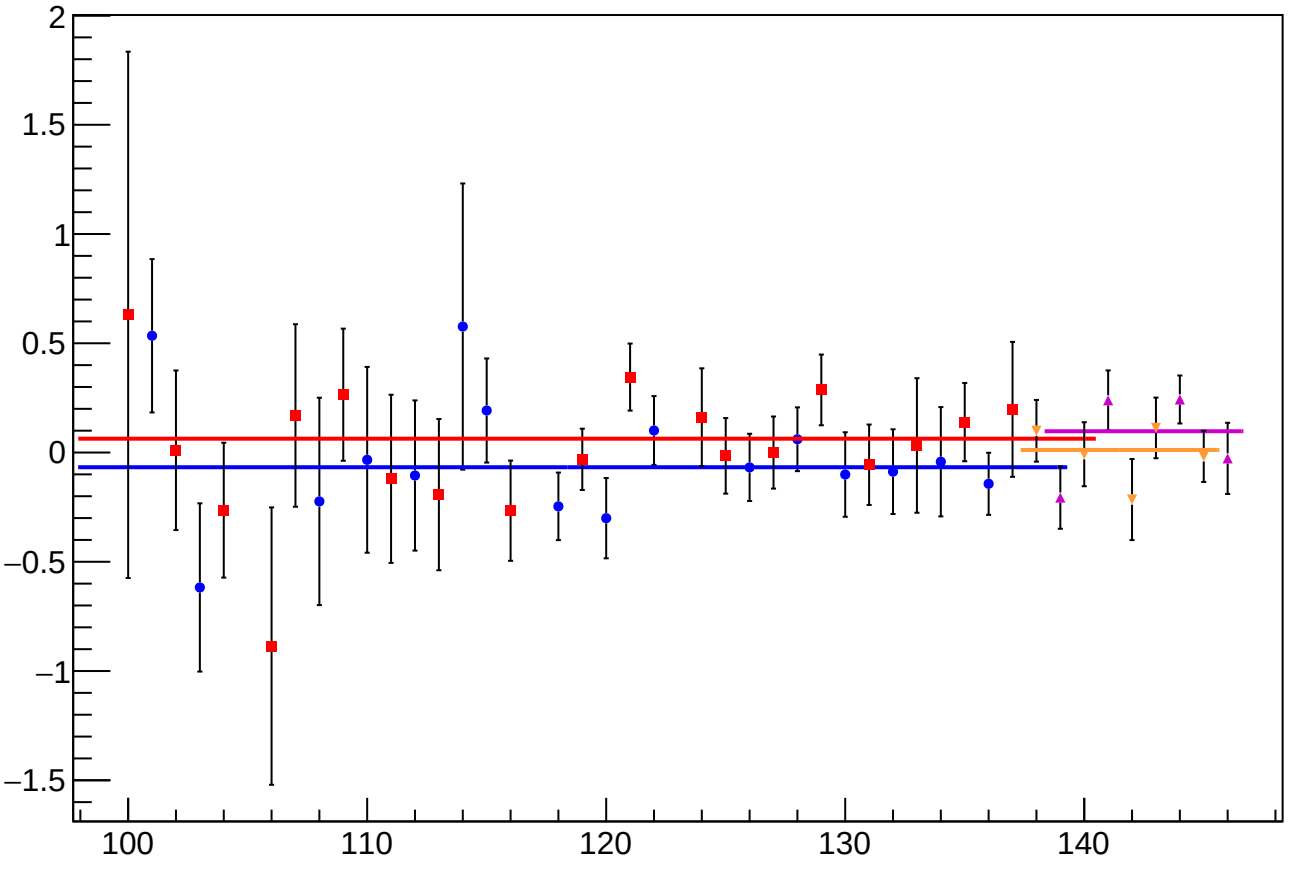
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.278+/-0.047 χ^2/NDF:95799.8/3

+ sign 124.964+/-0.028 χ^2/NDF: 1893108.2/20

All: 125.653+/-0.020 χ^2/NDF: 3896844.1/43

- sign 126.371+/-0.029 χ^2/NDF: 2002525.6/22



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

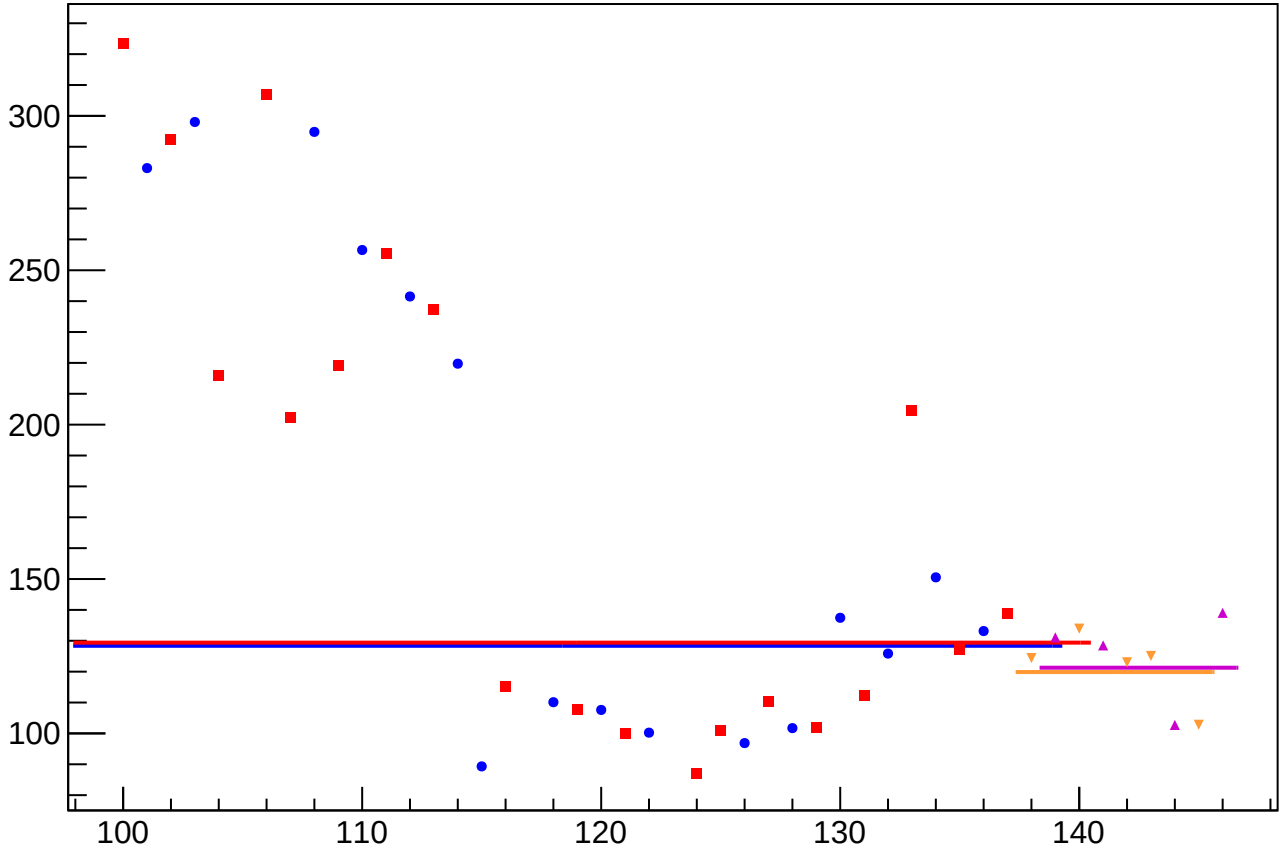
Left In: 0.097+/-0.067 χ^2/NDF:7.9/3

\+ sign -0.036+/-0.040 χ^2/NDF: 15.9/20

All: 0.019+/-0.029 χ^2/NDF: 41.8/43

\- sign 0.076+/-0.041 χ^2/NDF: 22.1/22

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 119.879+/-0.045 χ^2/NDF:66360.1/4

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

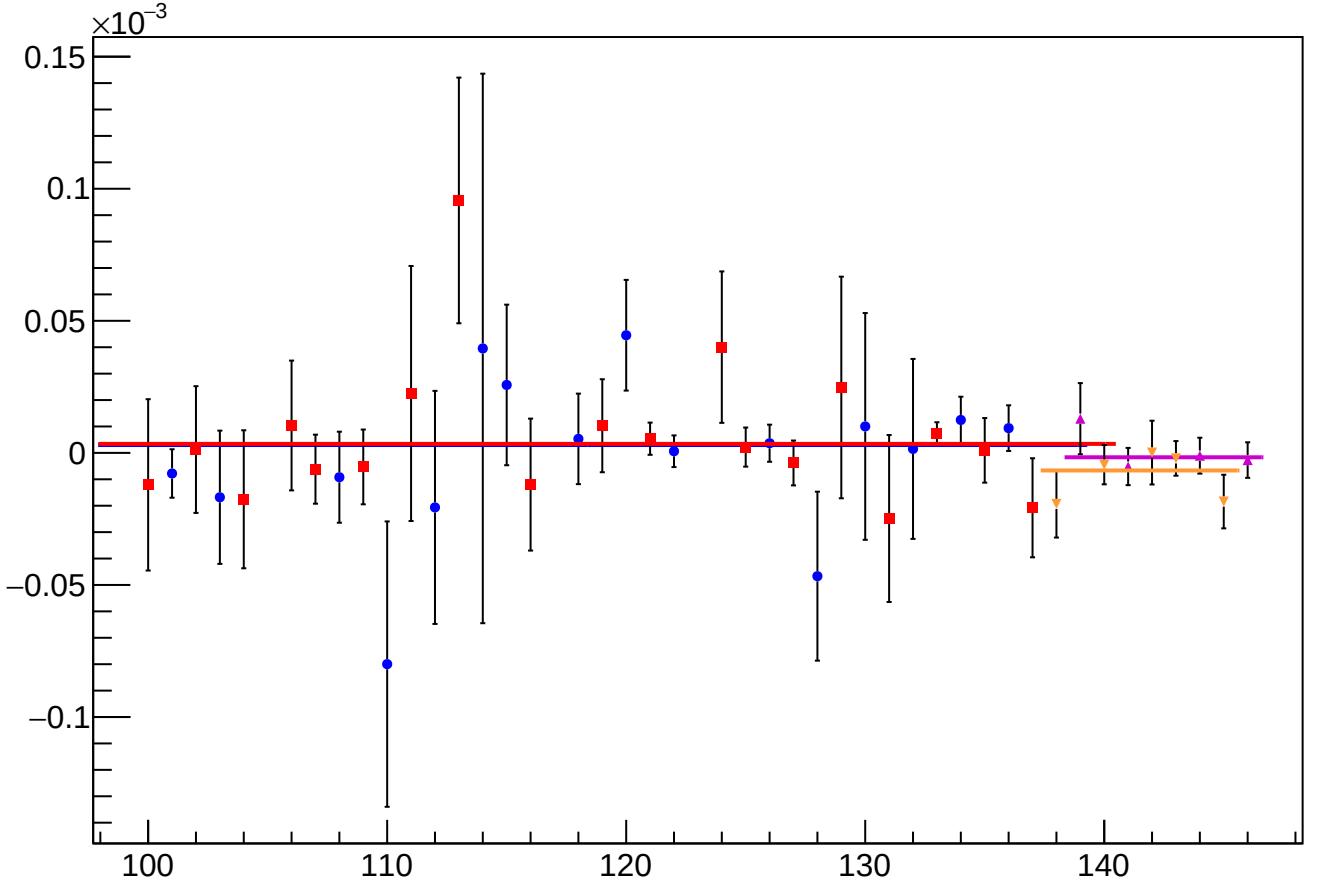
Left In: 121.278+/-0.047 χ^2/NDF:95799.8/3

+ sign 124.964+/-0.028 χ^2/NDF: 1893108.2/20

All: 125.653+/-0.020 χ^2/NDF: 3896844.1/43

- sign 126.371+/-0.029 χ^2/NDF: 2002525.6/22

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:3.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

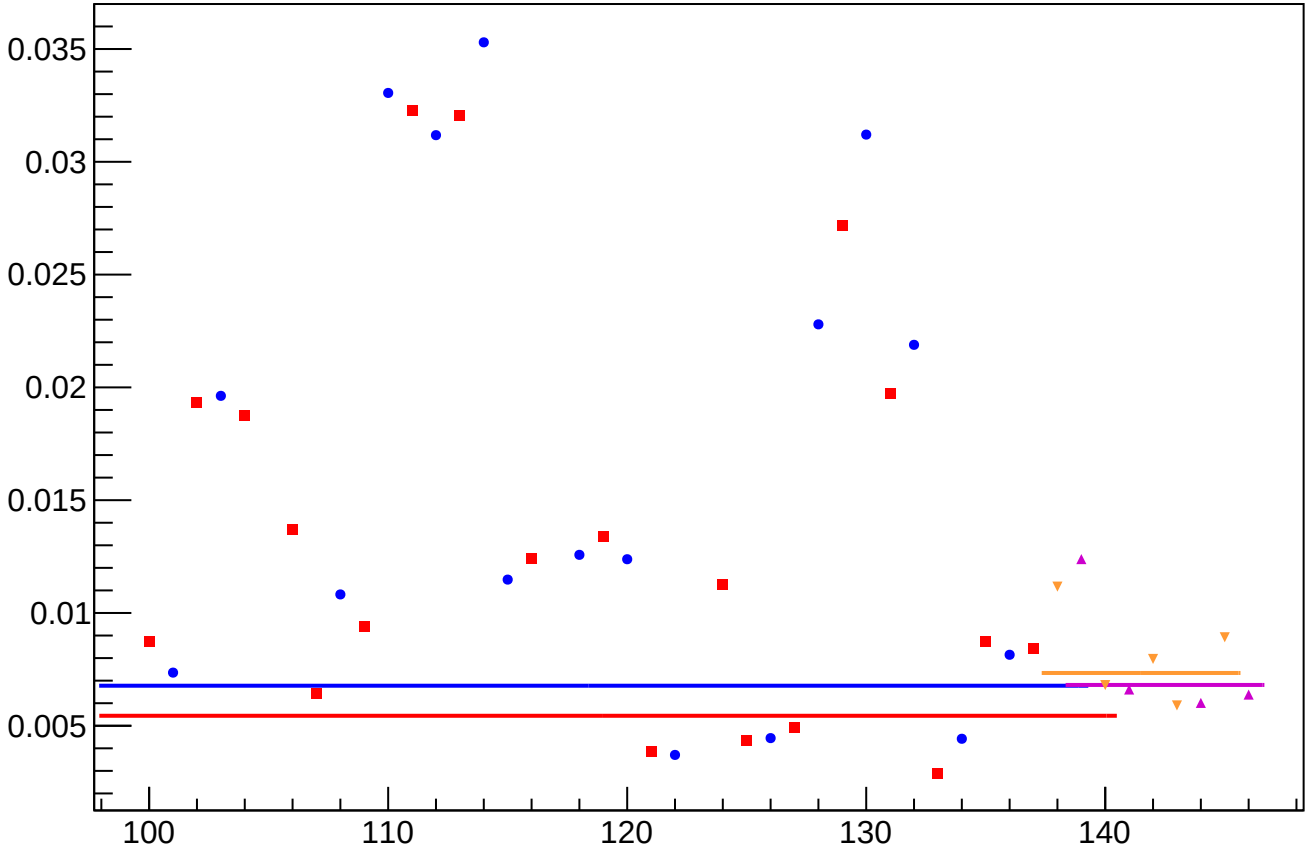
Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.0/20

All: 0.000+/-0.000 χ^2/NDF: 36.8/43

- sign 0.000+/-0.000 χ^2/NDF: 15.3/22

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:341418.9/4

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

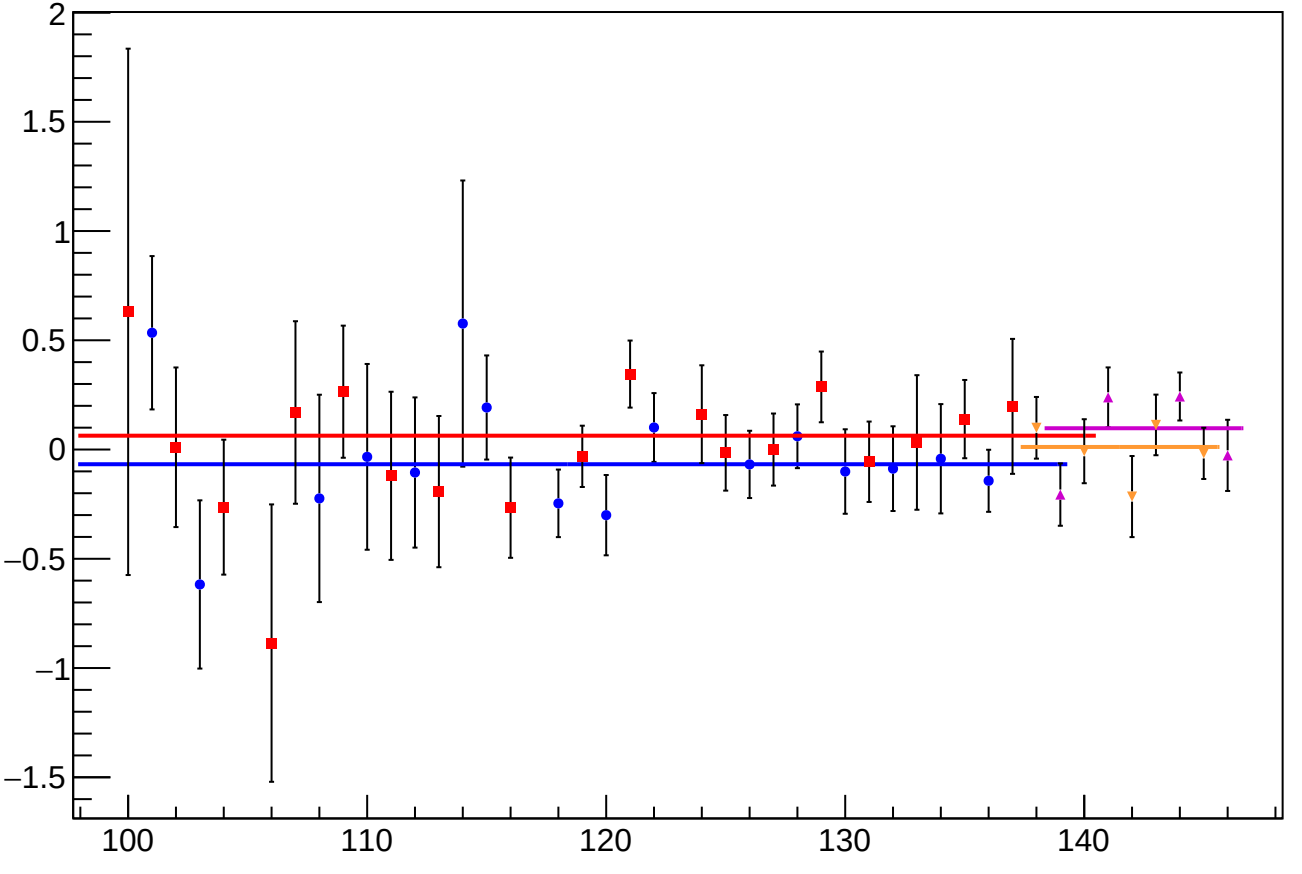
Left In: 0.007+/-0.000 χ^2/NDF:379982.2/3

+ sign 0.007+/-0.000 χ^2/NDF: 5138752.0/20

All: 0.006+/-0.000 χ^2/NDF: 11502099.6/43

- sign 0.006+/-0.000 χ^2/NDF: 6128979.4/22

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

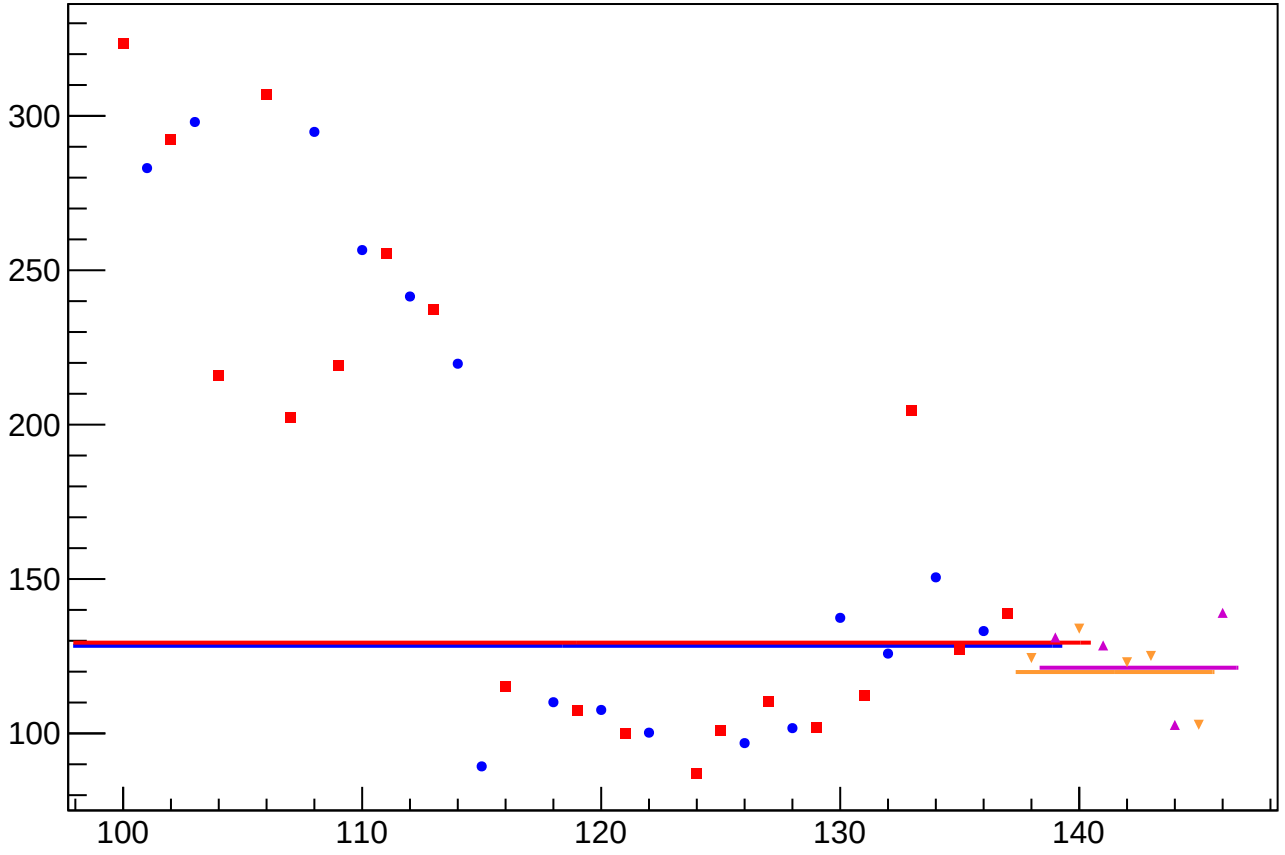
Left In: 0.097+/-0.067 χ^2/NDF:7.9/3

+ sign -0.036+/-0.040 χ^2/NDF: 15.9/20

All: 0.019+/-0.029 χ^2/NDF: 41.8/43

- sign 0.076+/-0.041 χ^2/NDF: 22.1/22

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 119.879+/-0.045 χ^2/NDF:66362.4/4

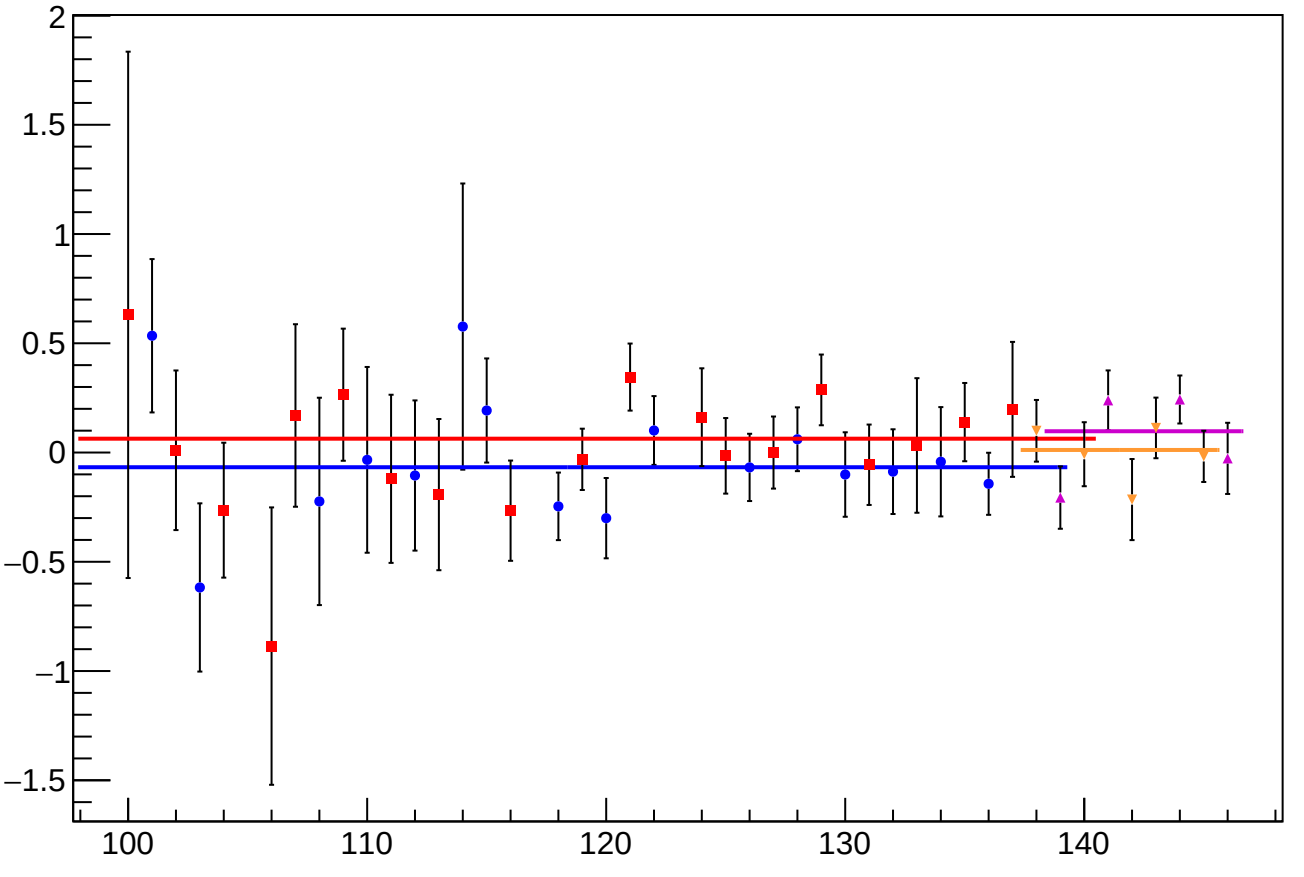
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.278+/-0.047 χ^2/NDF:95792.9/3

+ sign 124.962+/-0.028 χ^2/NDF: 1893045.5/20

All: 125.651+/-0.020 χ^2/NDF: 3896762.1/43

- sign 126.370+/-0.029 χ^2/NDF: 2002506.5/22



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

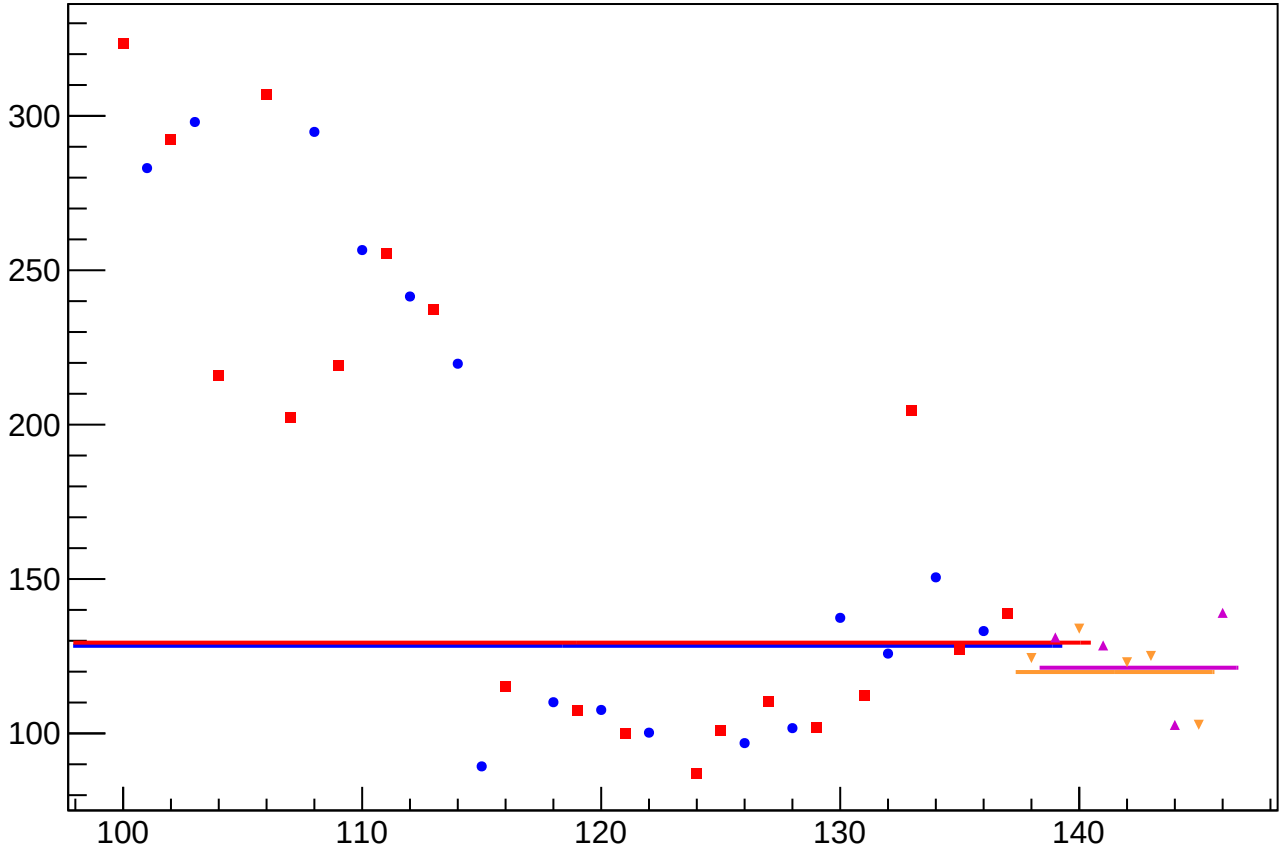
Left In: 0.097+/-0.067 χ^2/NDF:7.9/3

\+ sign -0.036+/-0.040 χ^2/NDF: 15.9/20

All: 0.019+/-0.029 χ^2/NDF: 41.8/43

\- sign 0.076+/-0.041 χ^2/NDF: 22.1/22

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 119.879+/-0.045 χ^2/NDF:66362.4/4

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

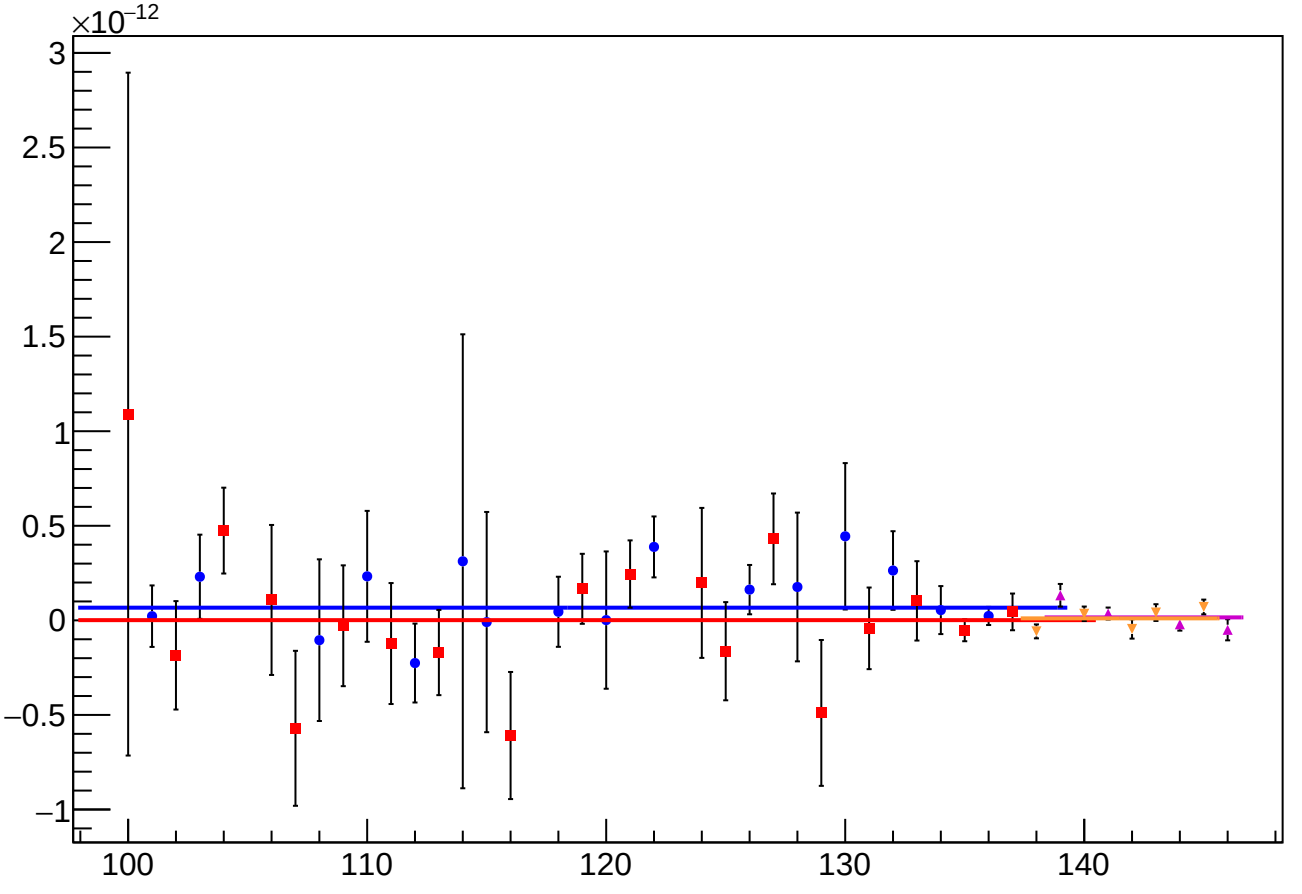
Left In: 121.278+/-0.047 χ^2/NDF:95792.9/3

+ sign 124.962+/-0.028 χ^2/NDF: 1893045.5/20

All: 125.651+/-0.020 χ^2/NDF: 3896762.1/43

- sign 126.370+/-0.029 χ^2/NDF: 2002506.5/22

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/4

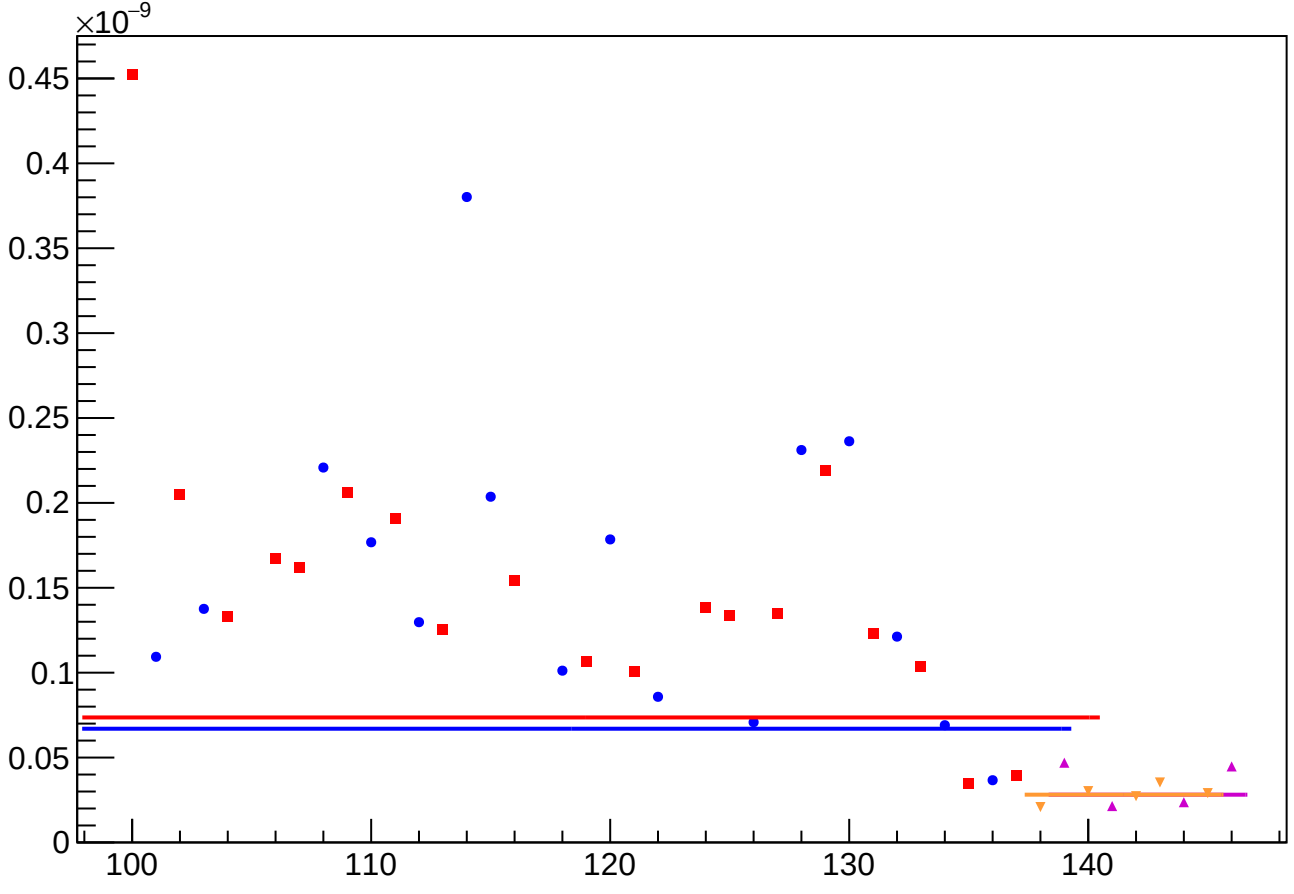
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 20.3/20

All: 0.000+/-0.000 χ^2/NDF: 48.0/43

- sign 0.000+/-0.000 χ^2/NDF: 27.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:138594.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

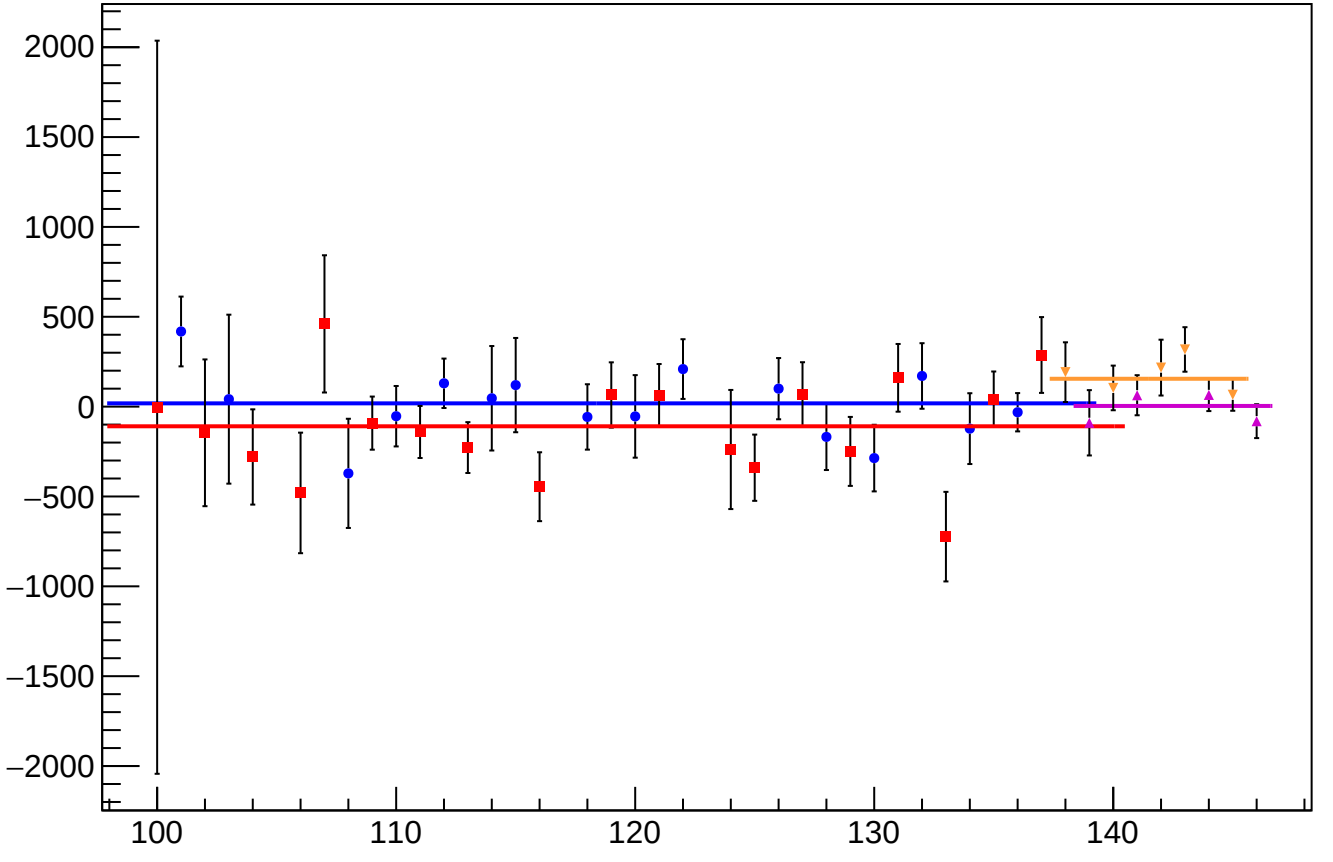
Left In: 0.000+/-0.000 χ^2/NDF:499713.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 5158891.8/20

All: 0.000+/-0.000 χ^2/NDF: 11437974.0/43

- sign 0.000+/-0.000 χ^2/NDF: 6272401.3/22

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 155.020+/-54.723 χ^2/NDF:3.1/4

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

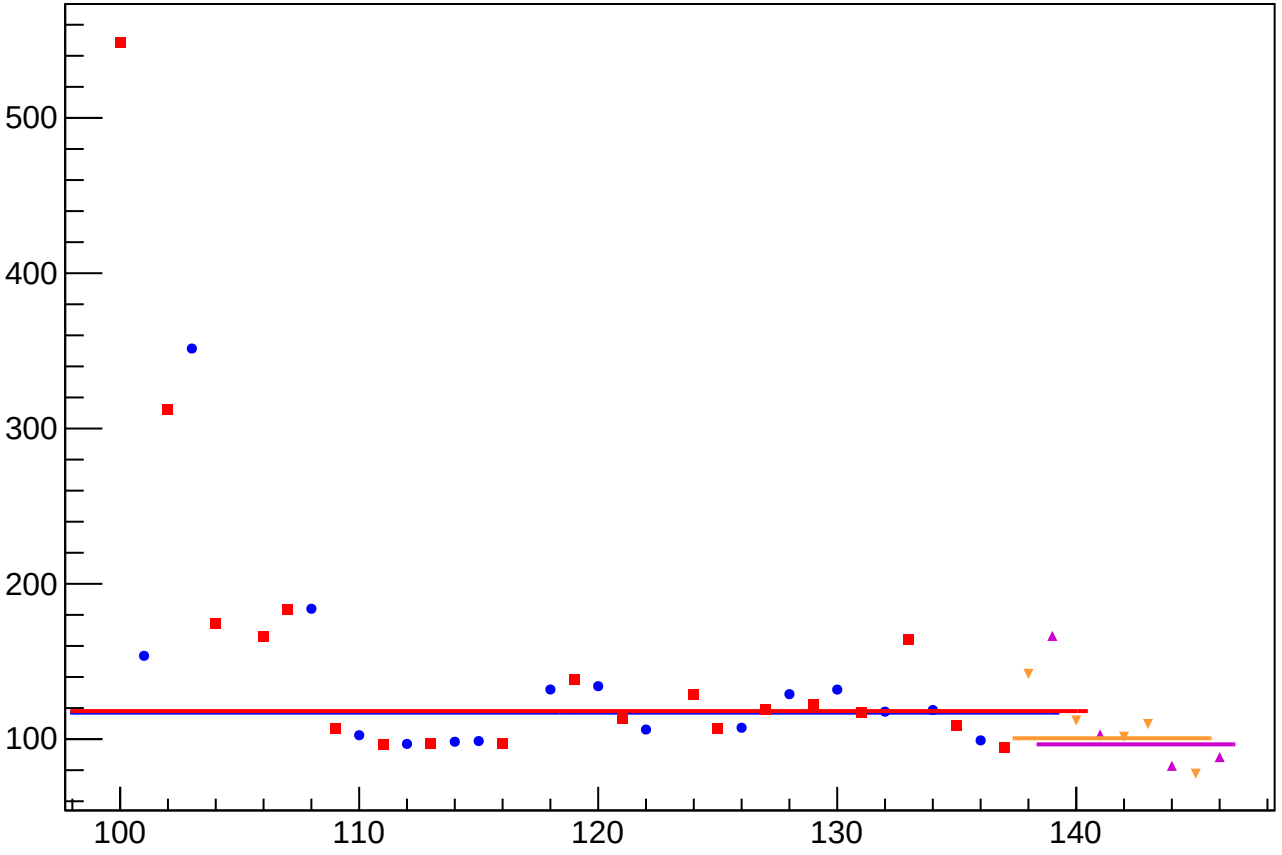
Left In: 3.795+/-53.714 χ^2/NDF:1.8/3

+ sign 74.423+/-35.079 χ^2/NDF: 20.7/20

All: 5.920+/-24.727 χ^2/NDF: 58.1/43

- sign -61.737+/-34.862 χ^2/NDF: 29.9/22

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.569+/-0.039 χ^2/NDF:284166.4/4

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

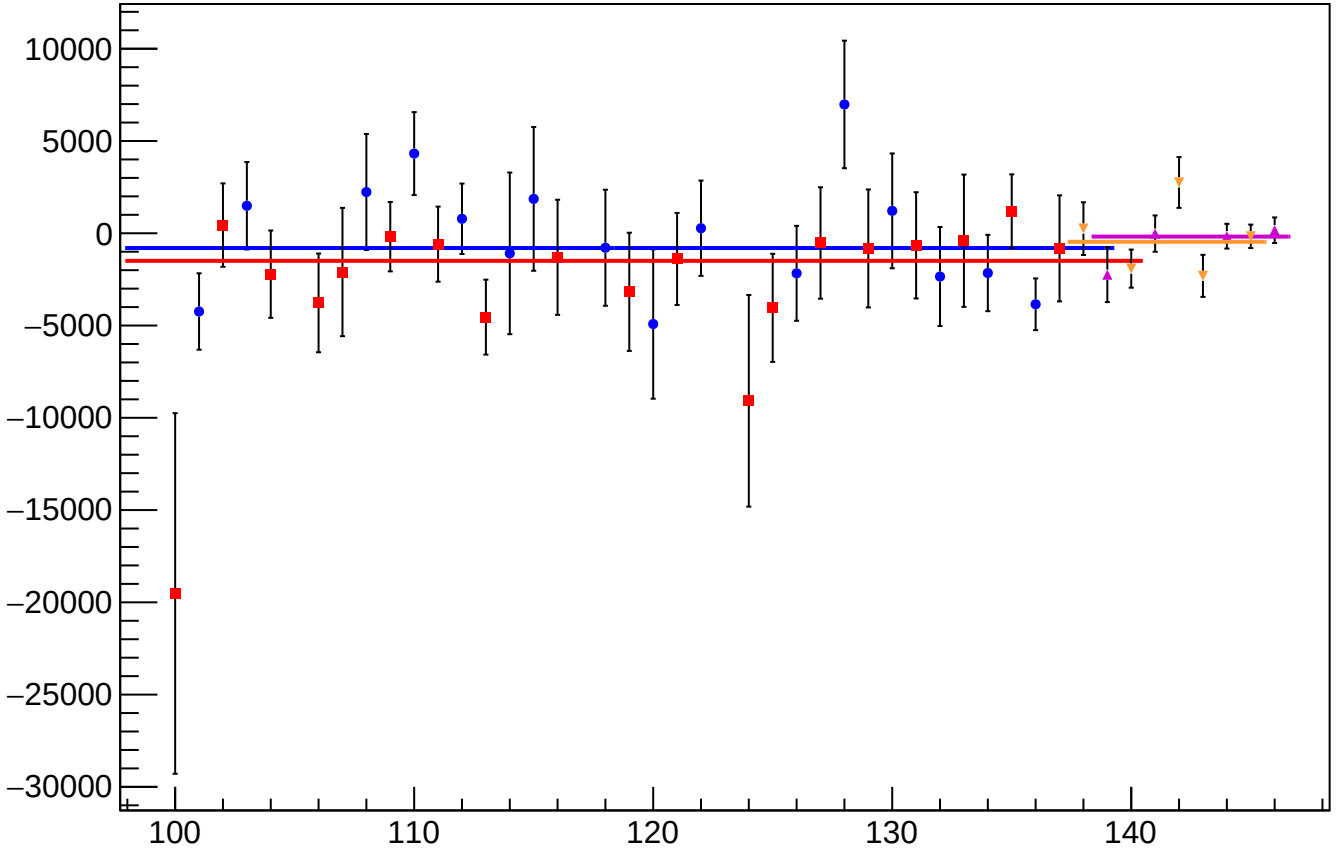
Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

+ sign 110.285+/-0.025 χ^2/NDF: 1249594.6/20

All: 109.656+/-0.017 χ^2/NDF: 2789656.0/43

- sign 109.035+/-0.025 χ^2/NDF: 1538783.4/22

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -462.675+/-438.303 χ^2/NDF:10.5/4

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

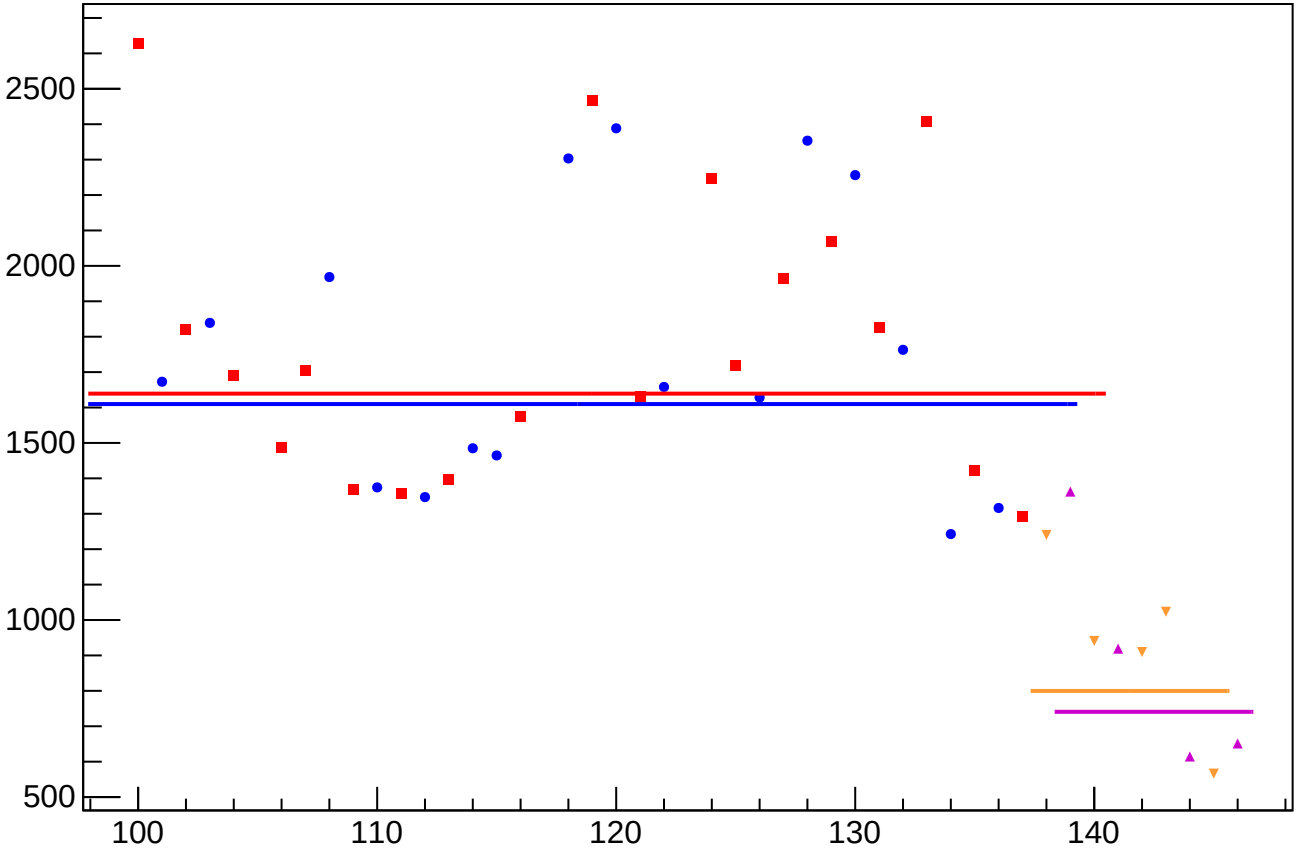
Left In: -180.073+/-415.778 χ^2/NDF:2.2/3

+ sign -575.760+/-357.128 χ^2/NDF: 34.2/20

All: -585.196+/-247.798 χ^2/NDF: 52.4/43

- sign -593.957+/-344.112 χ^2/NDF: 18.3/22

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 799.672+/-0.310 χ^2/NDF:587721.9/4

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

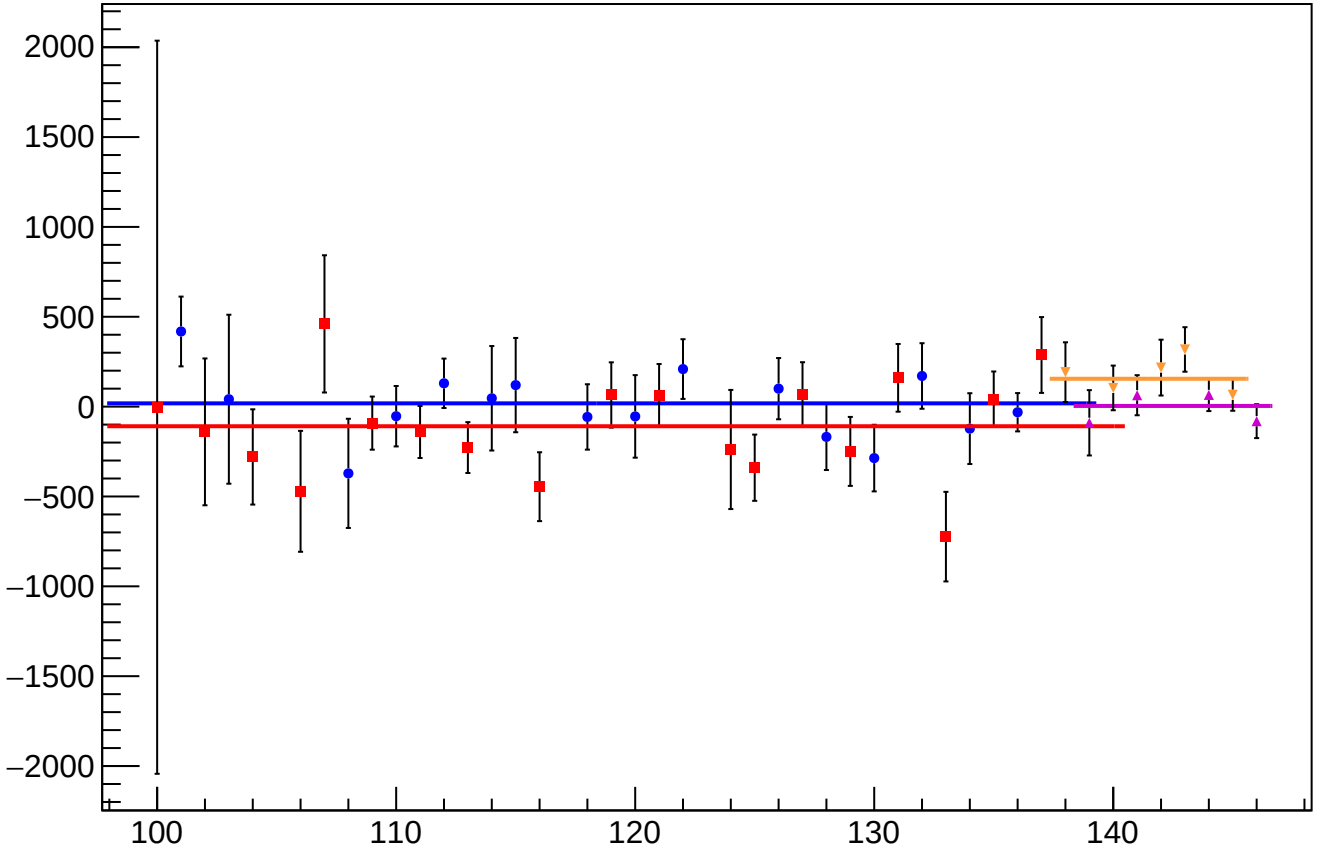
Left In: 740.777+/-0.294 χ^2/NDF:519372.4/3

+ sign 1071.953+/-0.253 χ^2/NDF: 3503229.0/20

All: 1046.990+/-0.175 χ^2/NDF: 7503673.8/43

- sign 1023.813+/-0.243 χ^2/NDF: 3981600.0/22

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 155.028+/-54.723 χ^2/NDF:3.1/4

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

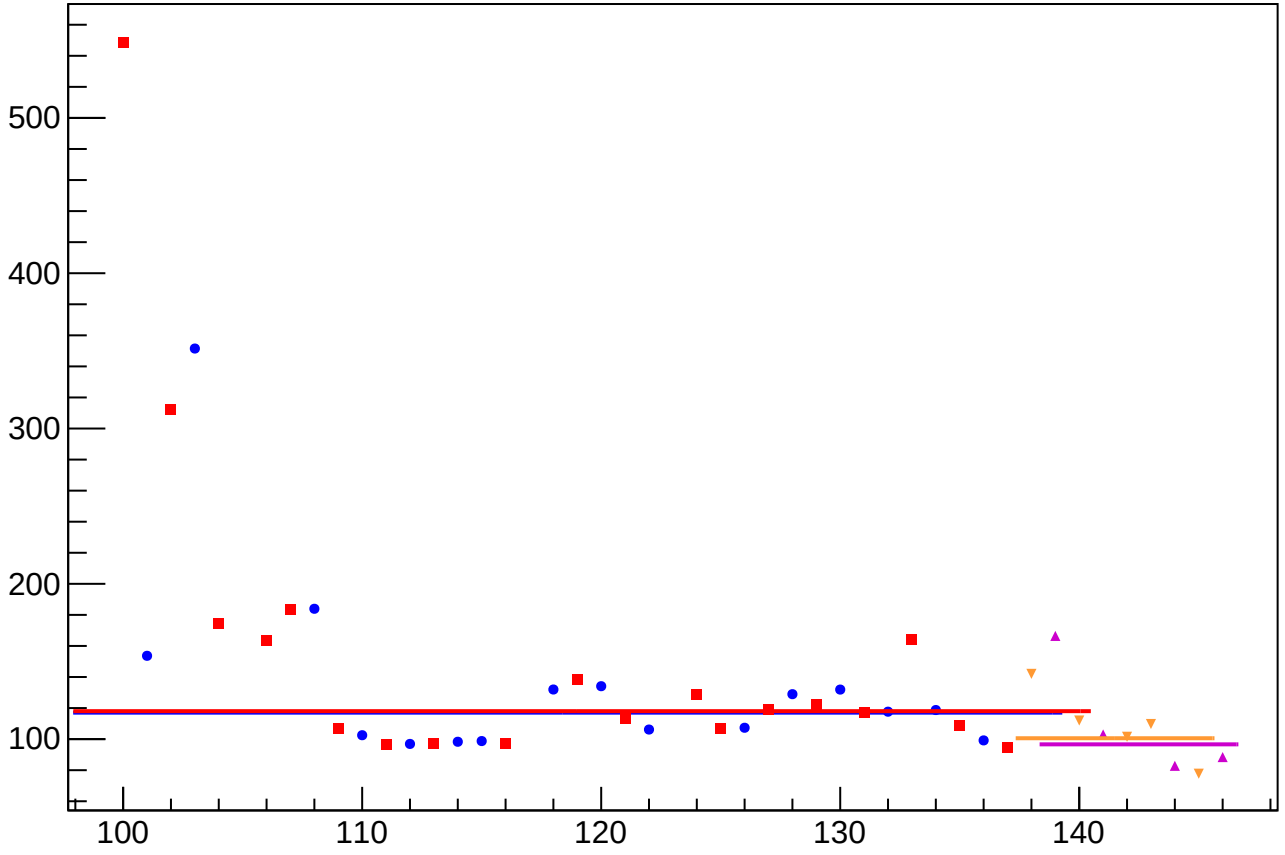
Left In: 3.793+/-53.714 χ^2/NDF:1.8/3

+ sign 74.418+/-35.079 χ^2/NDF: 20.7/20

All: 6.004+/-24.728 χ^2/NDF: 58.0/43

- sign -61.571+/-34.863 χ^2/NDF: 29.8/22

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.569+/-0.039 χ^2/NDF:284166.4/4

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

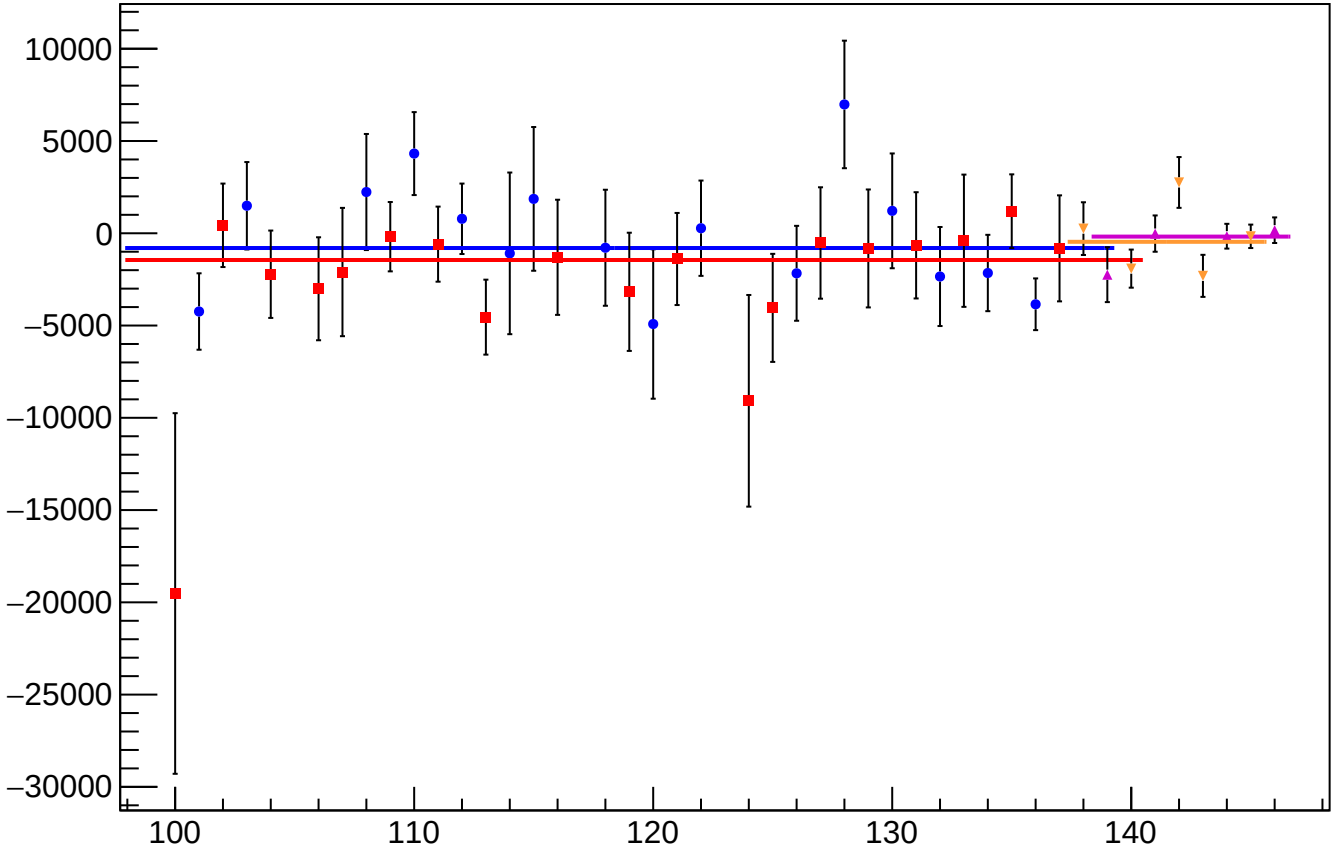
Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

+ sign 110.285+/-0.025 χ^2/NDF: 1249596.6/20

All: 109.641+/-0.017 χ^2/NDF: 2784628.1/43

- sign 109.004+/-0.025 χ^2/NDF: 1533690.1/22

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -462.666+/-438.303 χ^2/NDF:10.5/4

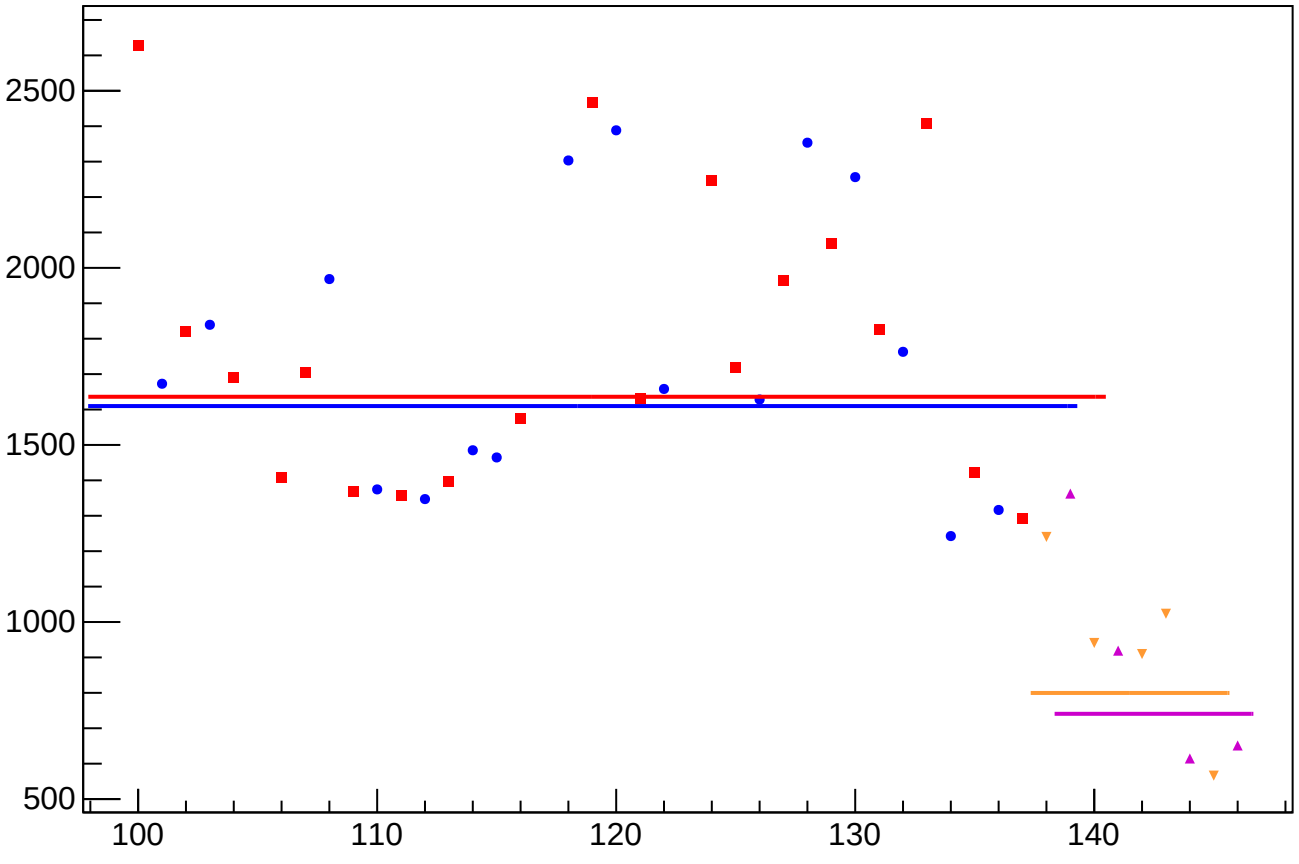
Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: -180.082+/-415.778 χ^2/NDF:2.2/3

+ sign -575.747+/-357.129 χ^2/NDF: 34.2/20

All: -577.143+/-247.887 χ^2/NDF: 51.8/43

- sign -578.441+/-344.349 χ^2/NDF: 17.6/22



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 799.671+/-0.310 χ^2/NDF:587721.6/4

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

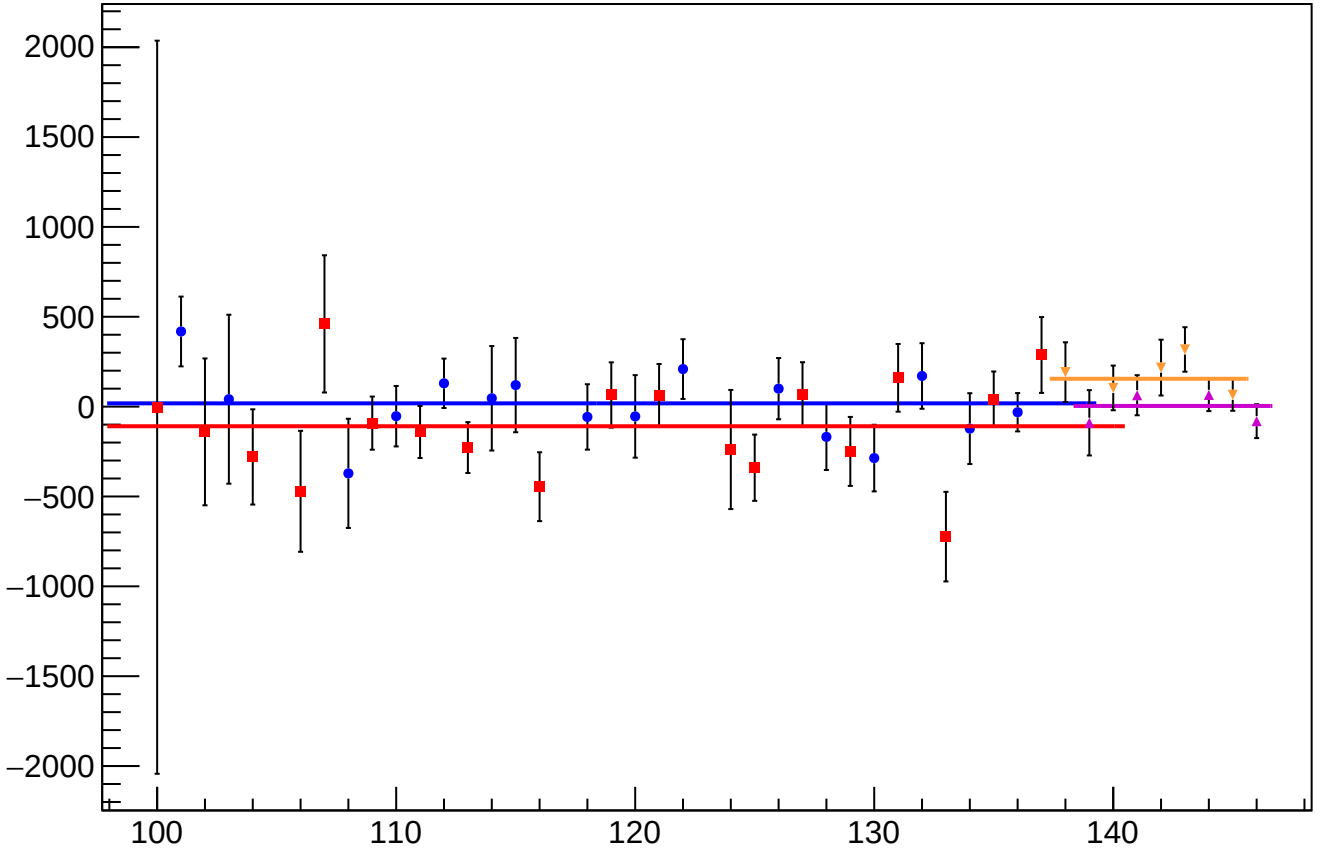
Left In: 740.777+/-0.294 χ^2/NDF:519373.9/3

+ sign 1071.953+/-0.253 χ^2/NDF: 3503291.3/20

All: 1046.046+/-0.175 χ^2/NDF: 7483176.9/43

- sign 1021.960+/-0.243 χ^2/NDF: 3959575.3/22

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 155.028+/-54.723 χ^2/NDF:3.1/4

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

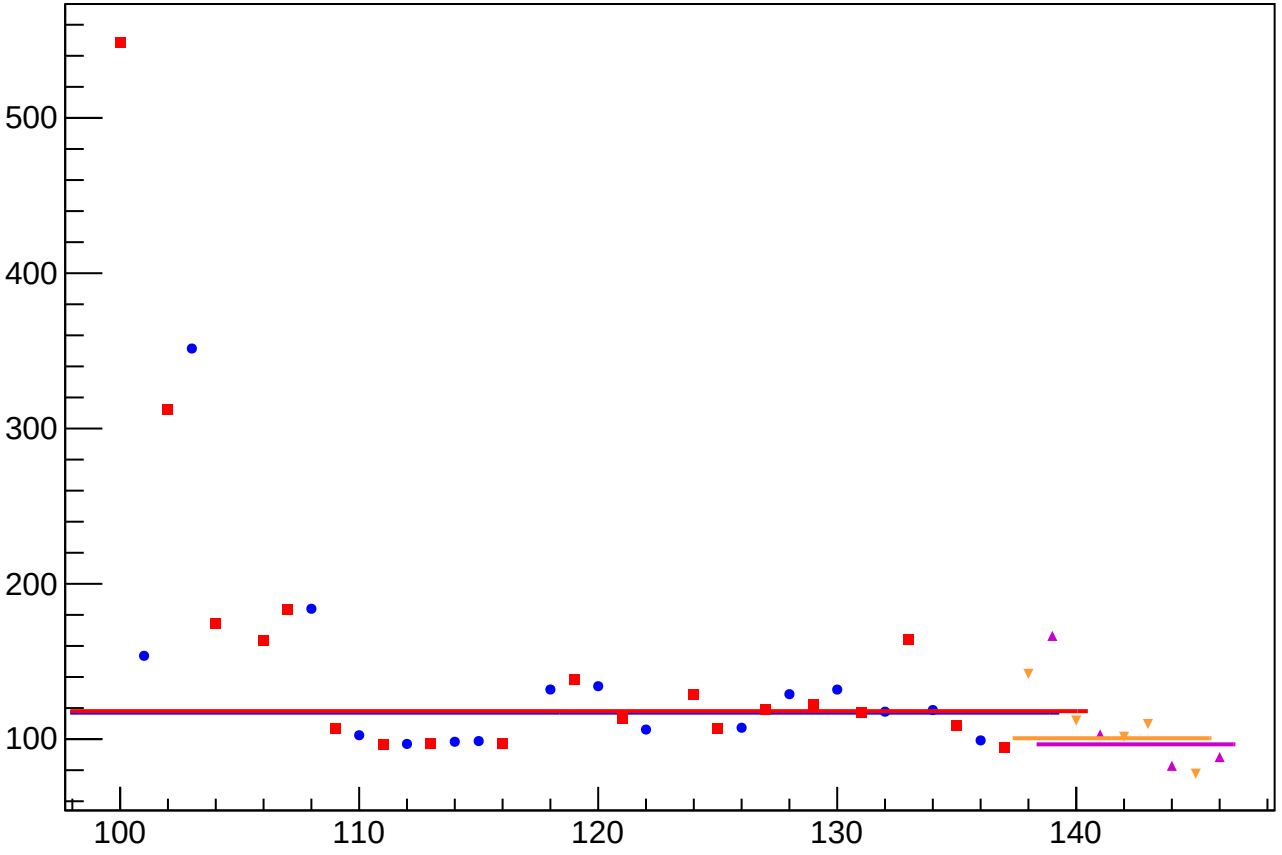
Left In: 3.793+/-53.714 χ^2/NDF:1.8/3

+ sign 74.418+/-35.079 χ^2/NDF: 20.7/20

All: 6.004+/-24.728 χ^2/NDF: 58.0/43

- sign -61.571+/-34.863 χ^2/NDF: 29.8/22

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.569+/-0.039 χ^2/NDF:284166.4/4

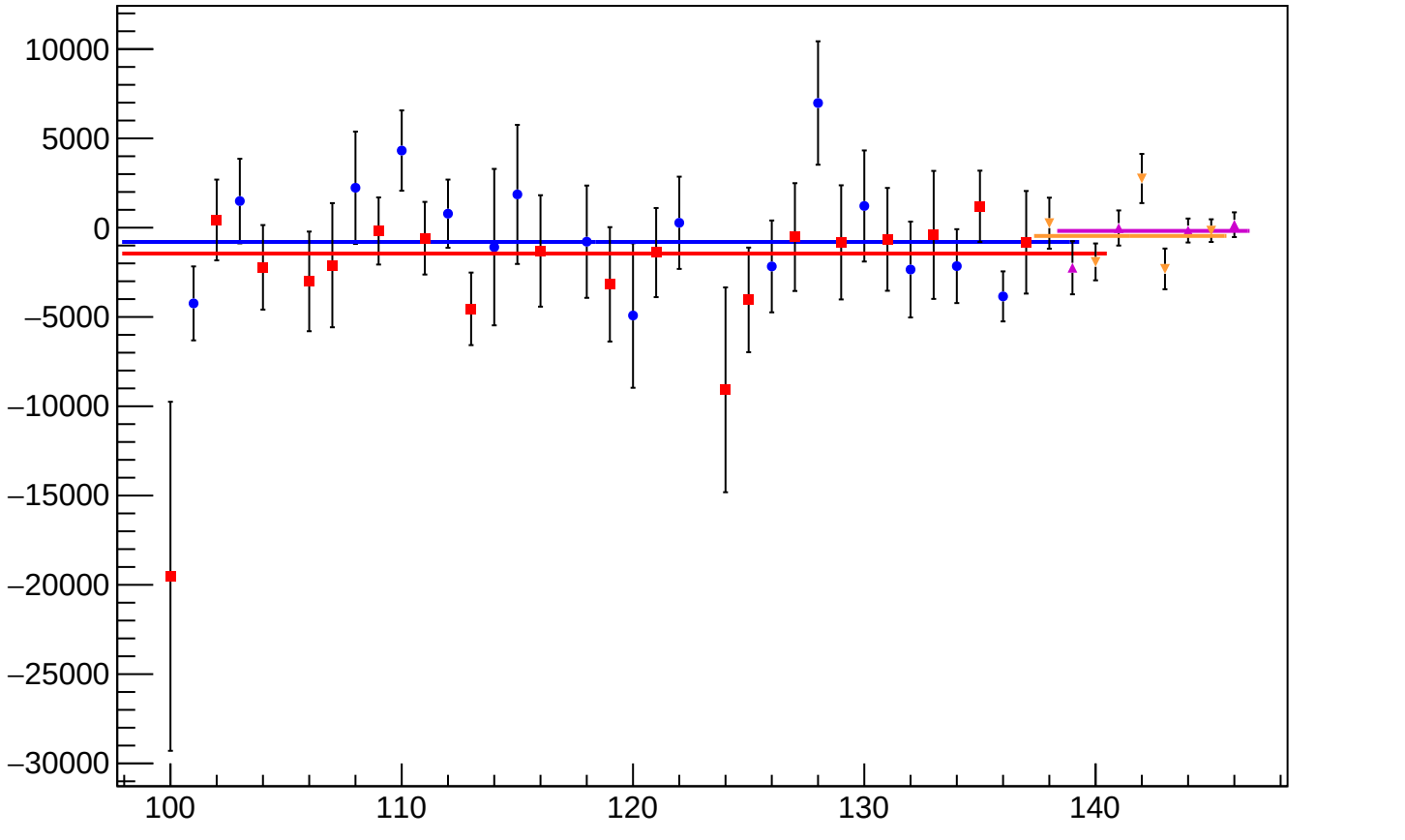
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

+ sign 110.285+/-0.025 χ^2/NDF: 1249596.6/20

All: 109.641+/-0.017 χ^2/NDF: 2784628.1/43

- sign 109.004+/-0.025 χ^2/NDF: 1533690.1/22



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -462.666+/-438.303 χ^2/NDF:10.5/4

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

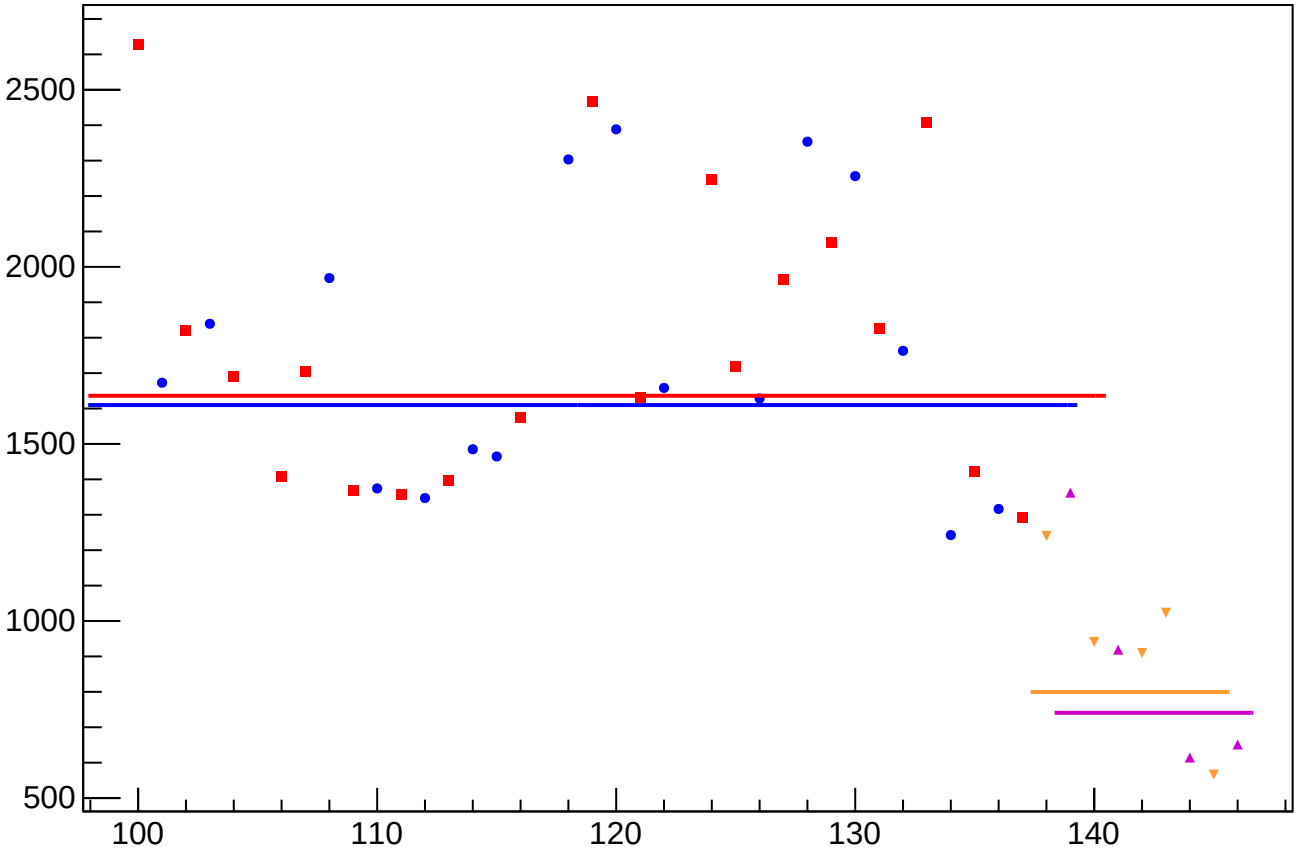
Left In: -180.082+/-415.778 χ^2/NDF:2.2/3

+ sign -575.747+/-357.129 χ^2/NDF: 34.2/20

All: -577.143+/-247.887 χ^2/NDF: 51.8/43

- sign -578.441+/-344.349 χ^2/NDF: 17.6/22

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 799.671+/-0.310 χ^2/NDF:587721.6/4

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

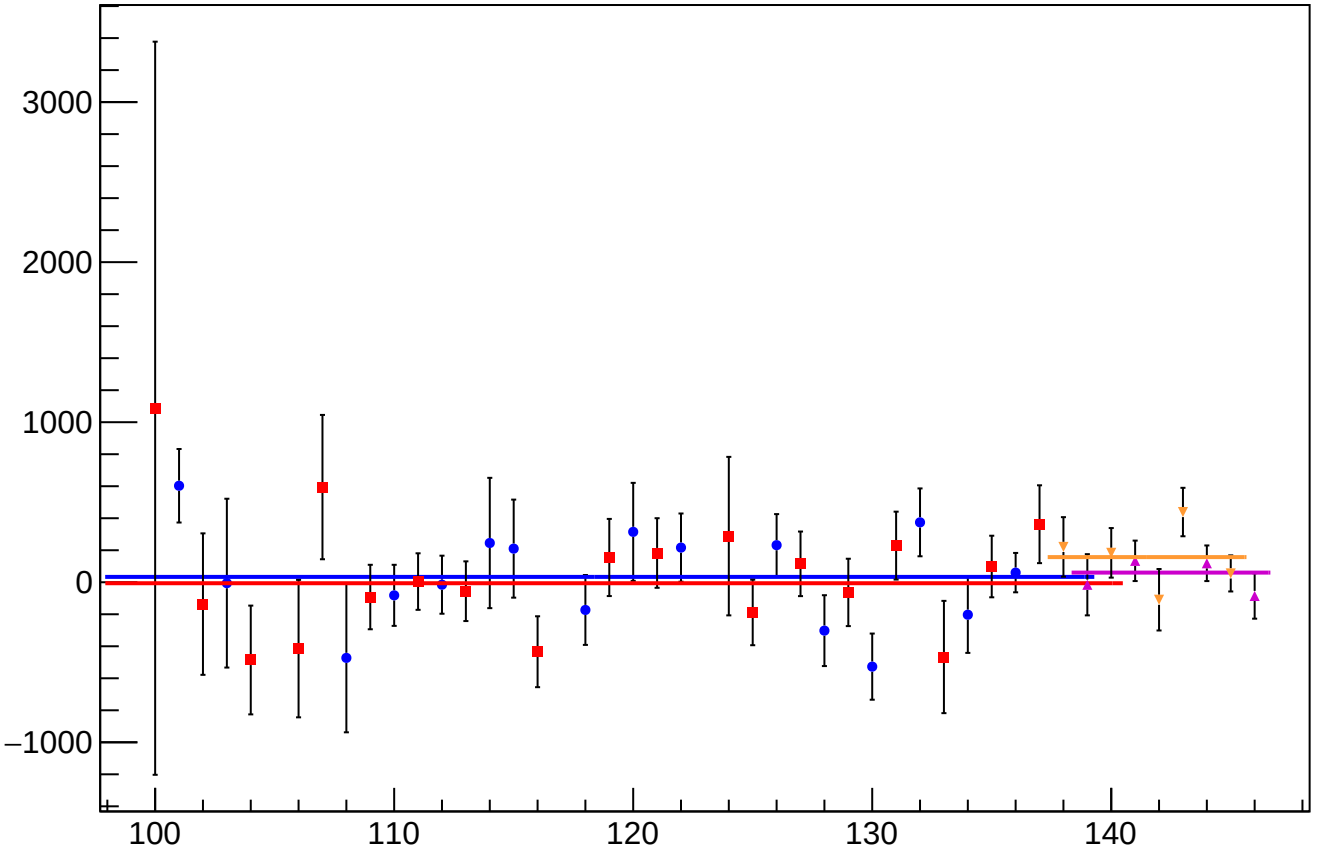
Left In: 740.777+/-0.294 χ^2/NDF:519373.9/3

+ sign 1071.953+/-0.253 χ^2/NDF: 3503291.3/20

All: 1046.046+/-0.175 χ^2/NDF: 7483176.9/43

- sign 1021.960+/-0.243 χ^2/NDF: 3959575.3/22

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 157.120+/-67.422 χ^2/NDF:6.3/4

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

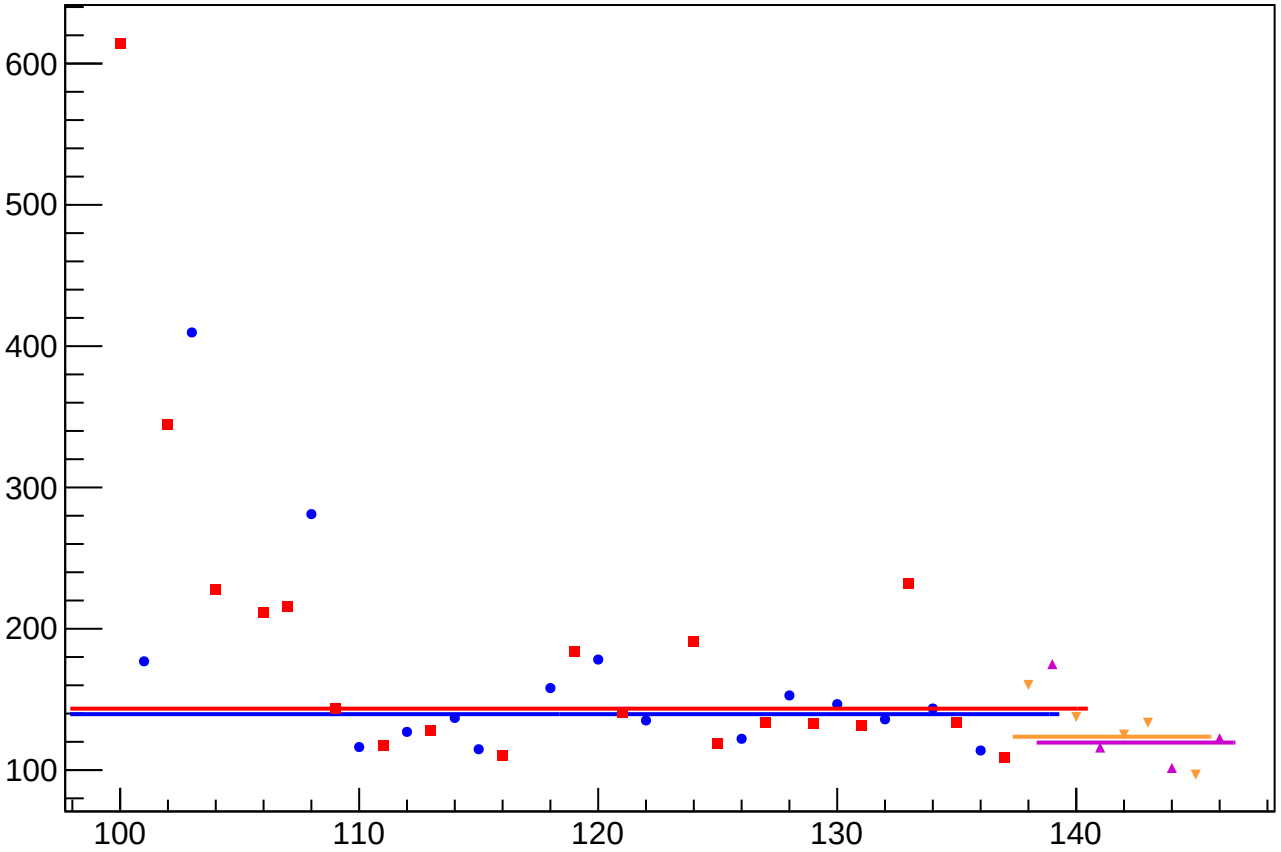
Left In: 60.306+/-67.368 χ^2/NDF:1.8/3

+ sign 82.777+/-42.575 χ^2/NDF: 33.5/20

All: 52.311+/-30.291 χ^2/NDF: 54.3/43

- sign 21.083+/-43.105 χ^2/NDF: 19.7/22

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 123.607+/-0.048 χ^2/NDF:215967.6/4

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

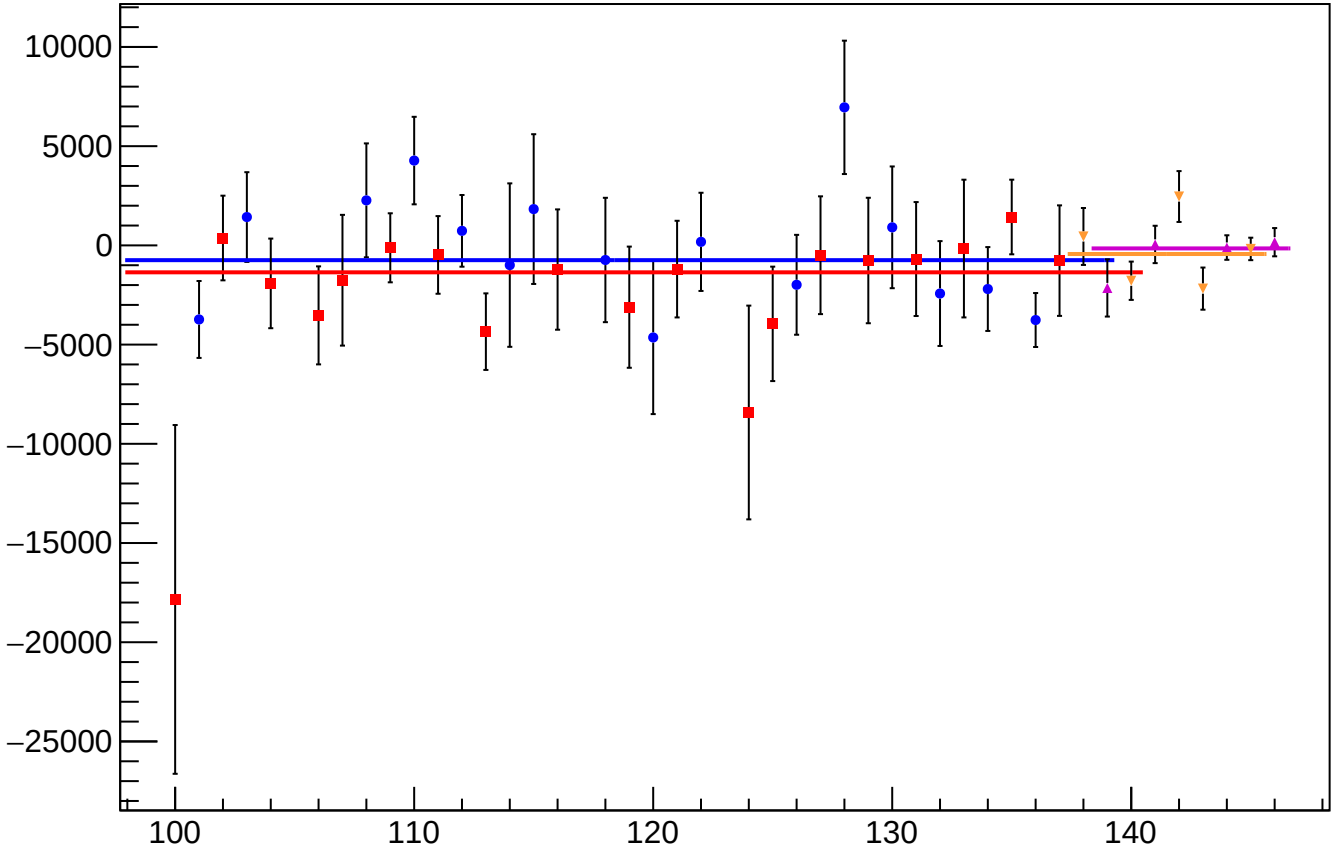
Left In: 119.477+/-0.048 χ^2/NDF:223359.9/3

+ sign 133.203+/-0.030 χ^2/NDF: 1260076.2/20

All: 133.425+/-0.021 χ^2/NDF: 2750161.4/43

- sign 133.652+/-0.030 χ^2/NDF: 1489975.0/22

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -434.920+/-402.410 χ^2/NDF:10.3/4

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

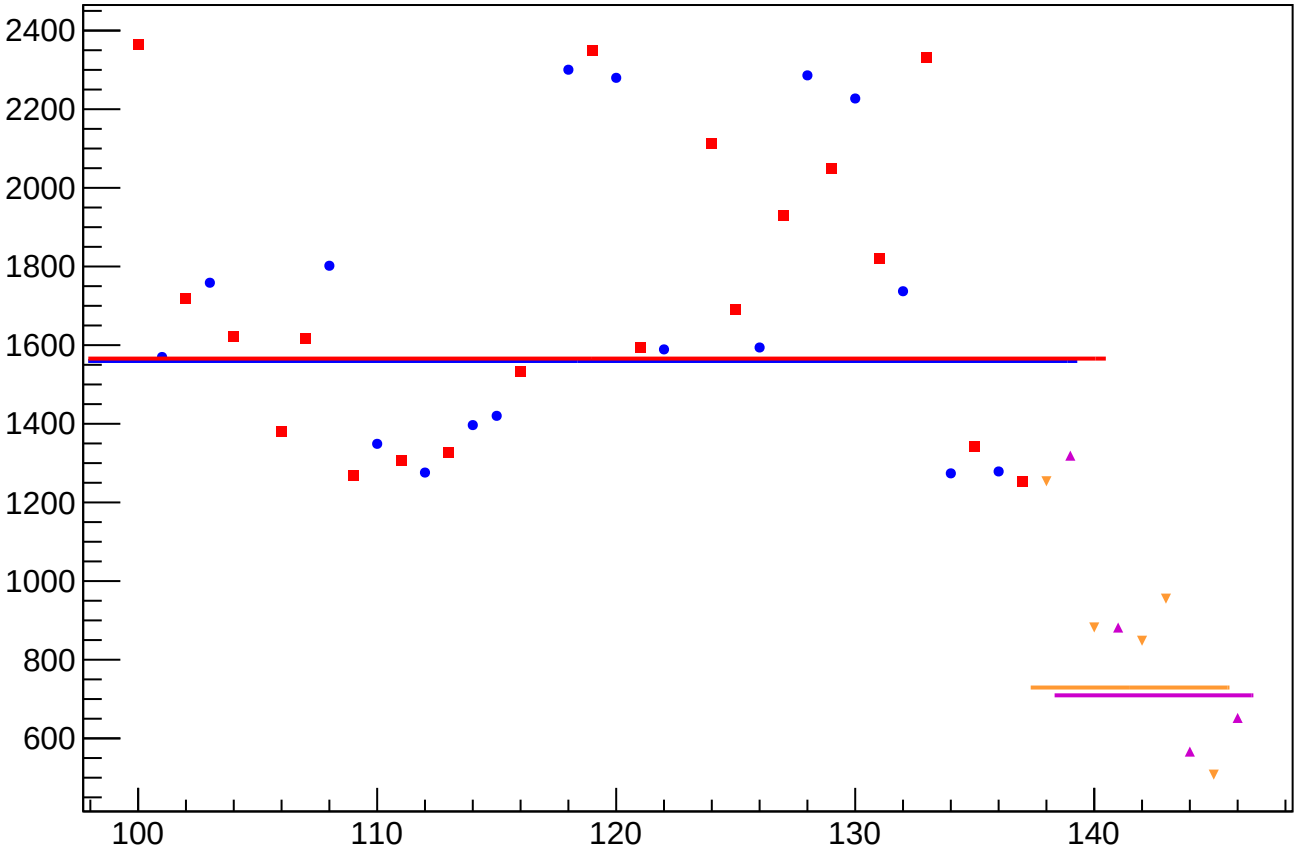
Left In: -152.590+/-401.636 χ^2/NDF:2.2/3

+ sign -531.957+/-333.475 χ^2/NDF: 34.0/20

All: -534.992+/-235.014 χ^2/NDF: 52.6/43

- sign -537.987+/-331.257 χ^2/NDF: 18.6/22

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 729.299+/-0.285 χ^2/NDF:731384.3/4

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

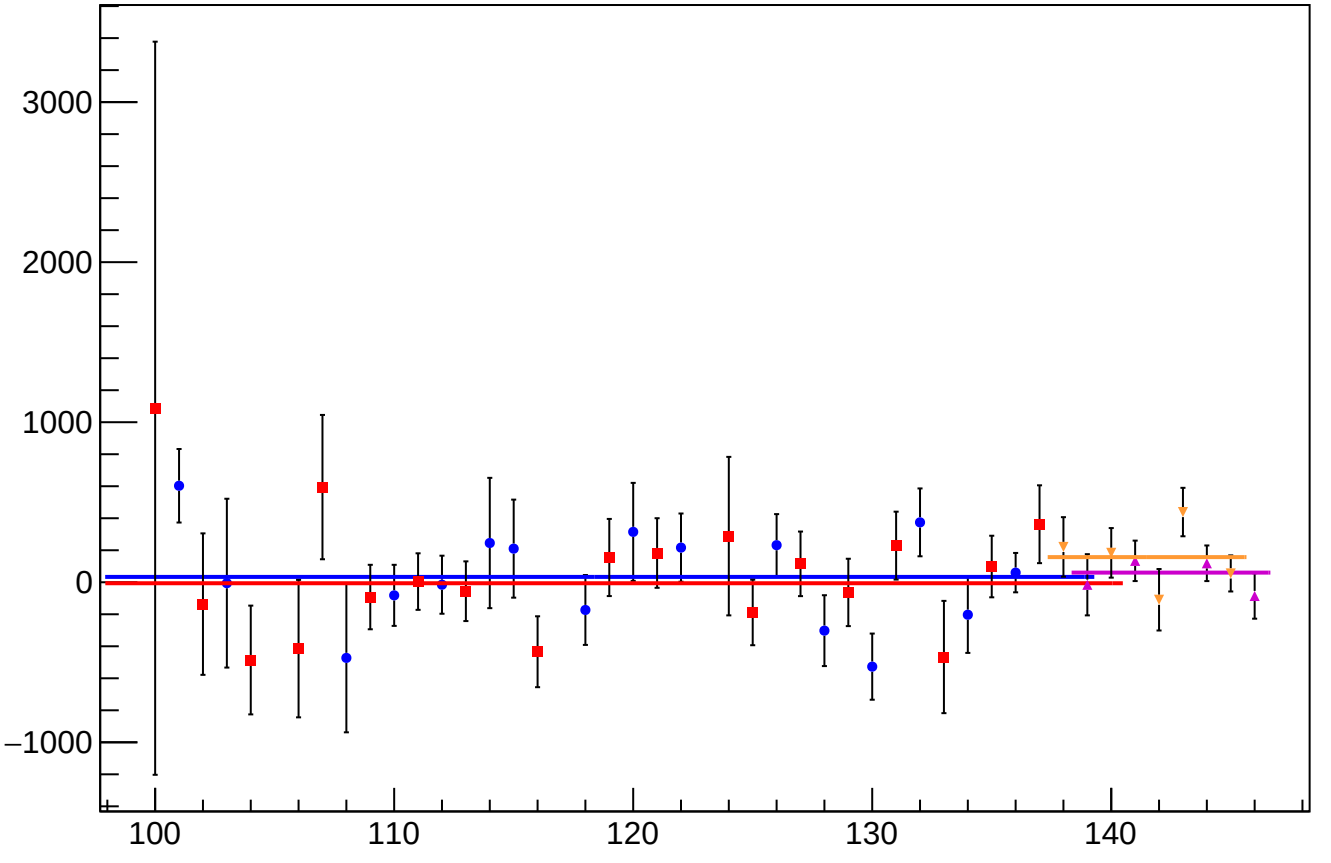
Left In: 709.442+/-0.284 χ^2/NDF:544656.6/3

+ sign 989.446+/-0.236 χ^2/NDF: 4003782.2/20

All: 986.338+/-0.166 χ^2/NDF: 8020015.4/43

- sign 983.271+/-0.234 χ^2/NDF: 4015888.0/22

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 157.118+/-67.423 χ^2/NDF:6.3/4

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

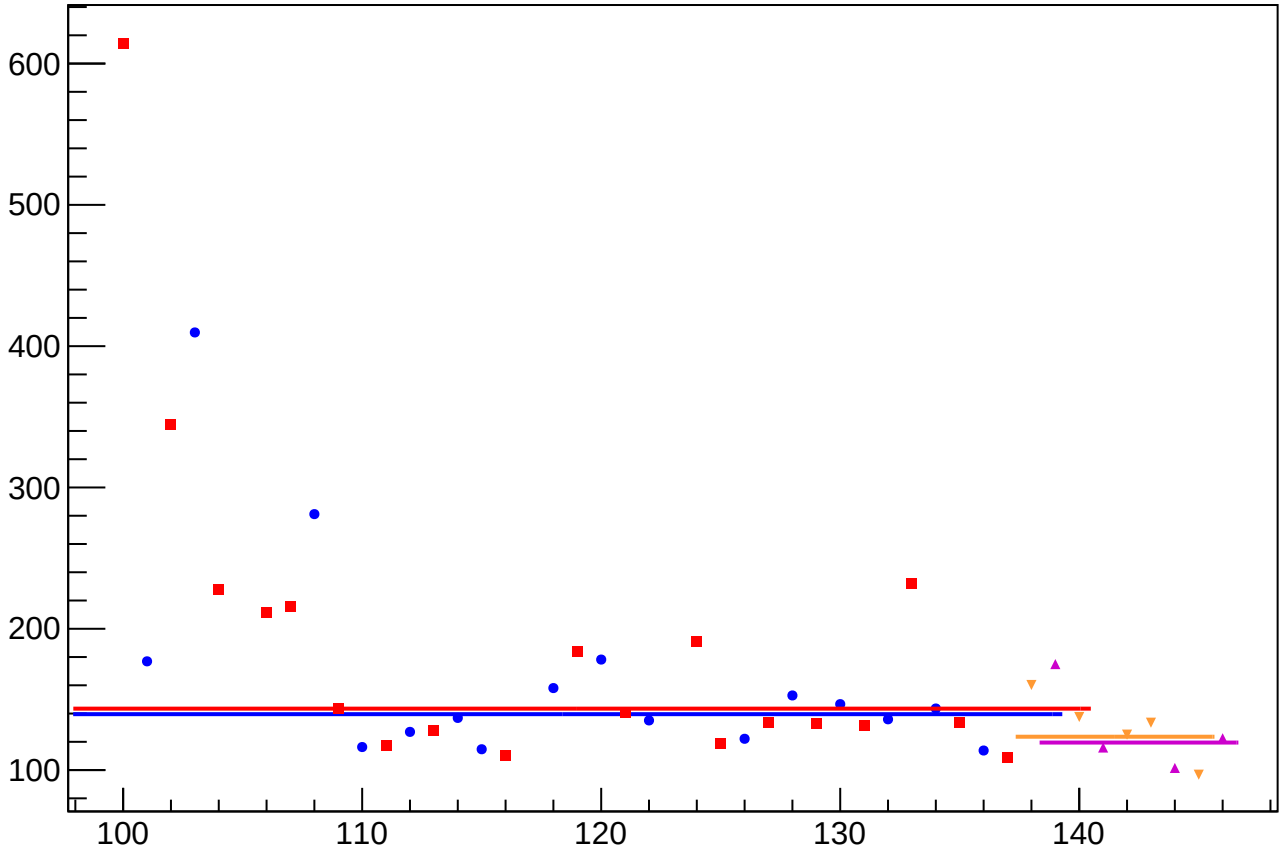
Left In: 60.305+/-67.368 χ^2/NDF:1.8/3

\+ sign 82.775+/-42.575 χ^2/NDF: 33.5/20

All: 52.312+/-30.291 χ^2/NDF: 54.3/43

\- sign 21.085+/-43.105 χ^2/NDF: 19.7/22

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 123.608+/-0.048 χ^2/NDF:215971.0/4

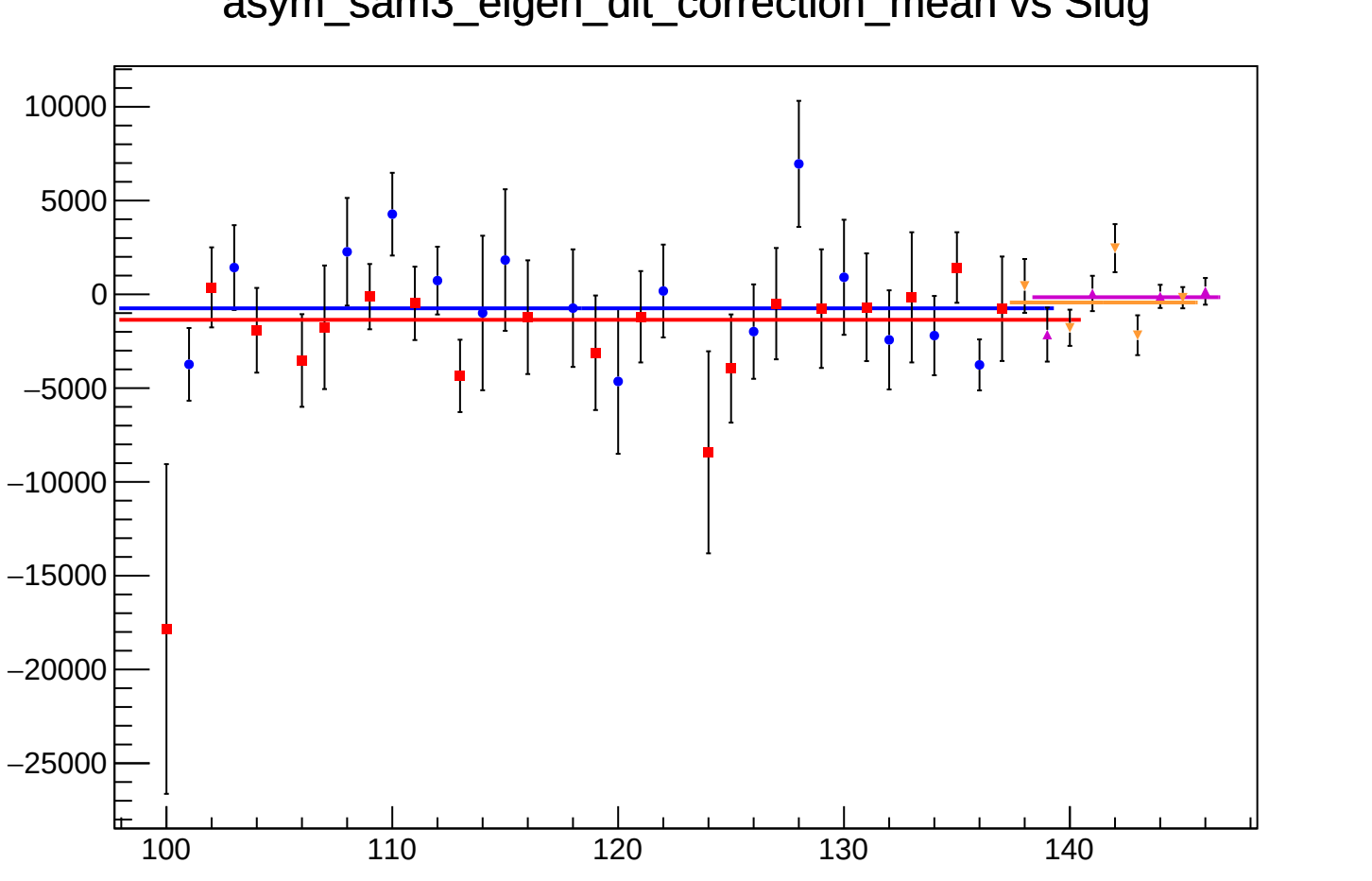
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 119.477+/-0.048 χ^2/NDF:223358.2/3

+ sign 133.203+/-0.030 χ^2/NDF: 1260080.0/20

All: 133.425+/-0.021 χ^2/NDF: 2750171.8/43

- sign 133.653+/-0.030 χ^2/NDF: 1489981.6/22



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -434.924+/-402.410 χ^2/NDF:10.3/4

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

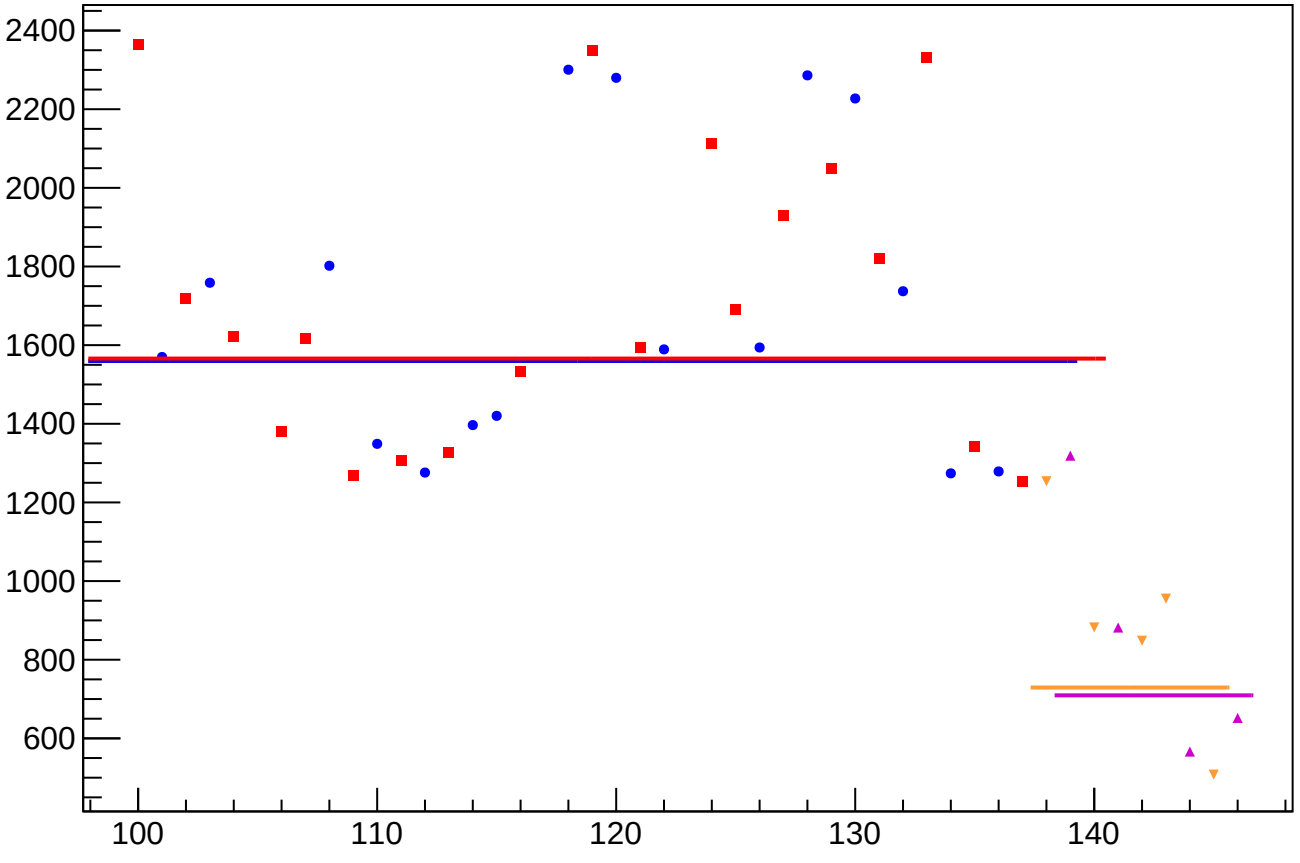
Left In: -152.590+/-401.636 χ^2/NDF:2.2/3

+ sign -531.959+/-333.475 χ^2/NDF: 34.0/20

All: -534.993+/-235.014 χ^2/NDF: 52.6/43

- sign -537.987+/-331.257 χ^2/NDF: 18.6/22

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 729.298+/-0.285 χ^2/NDF:731385.0/4

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

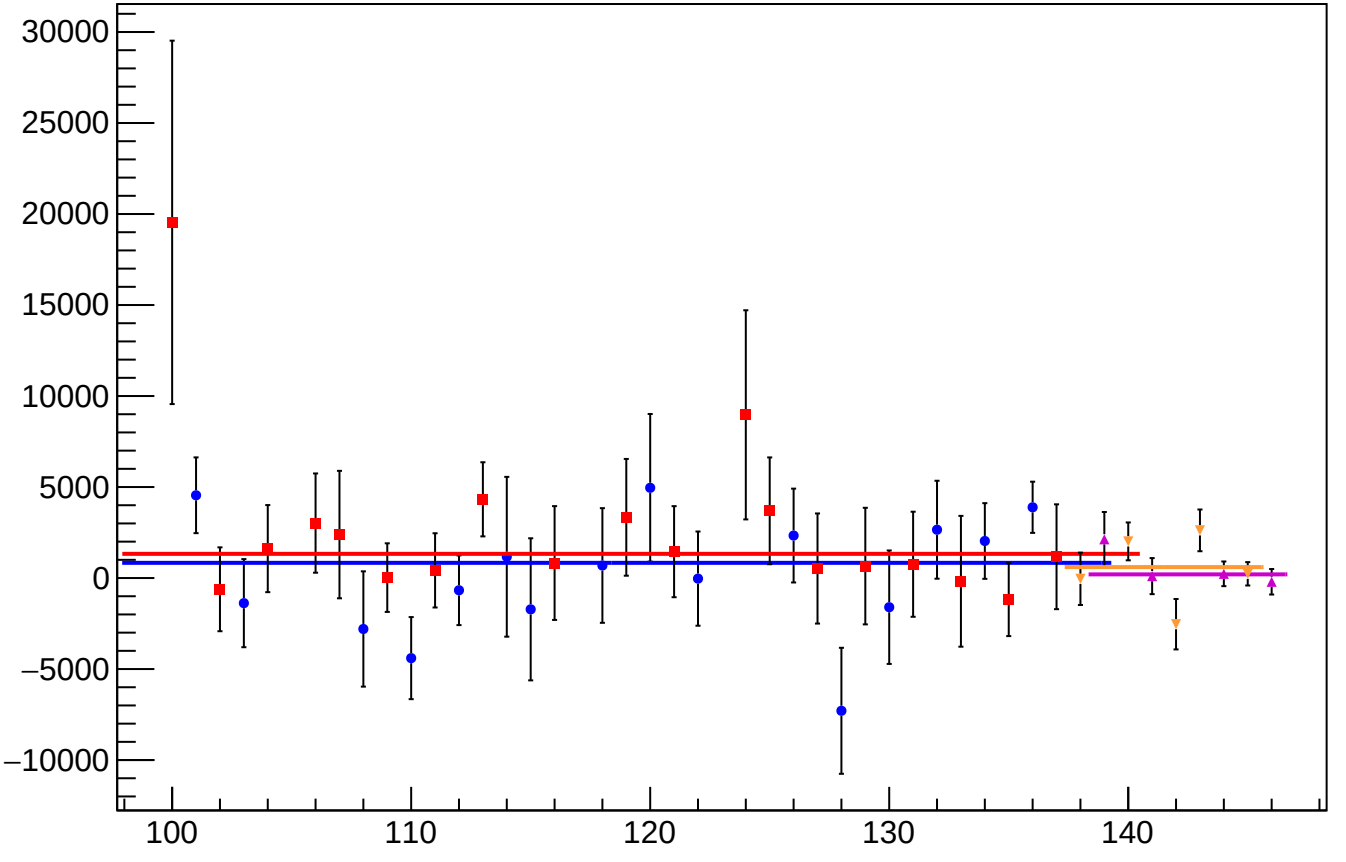
Left In: 709.442+/-0.284 χ^2/NDF:544657.7/3

+ sign 989.445+/-0.236 χ^2/NDF: 4003782.7/20

All: 986.337+/-0.166 χ^2/NDF: 8020011.8/43

- sign 983.270+/-0.234 χ^2/NDF: 4015883.8/22

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 601.176+/-442.068 χ^2/NDF:10.6/4

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

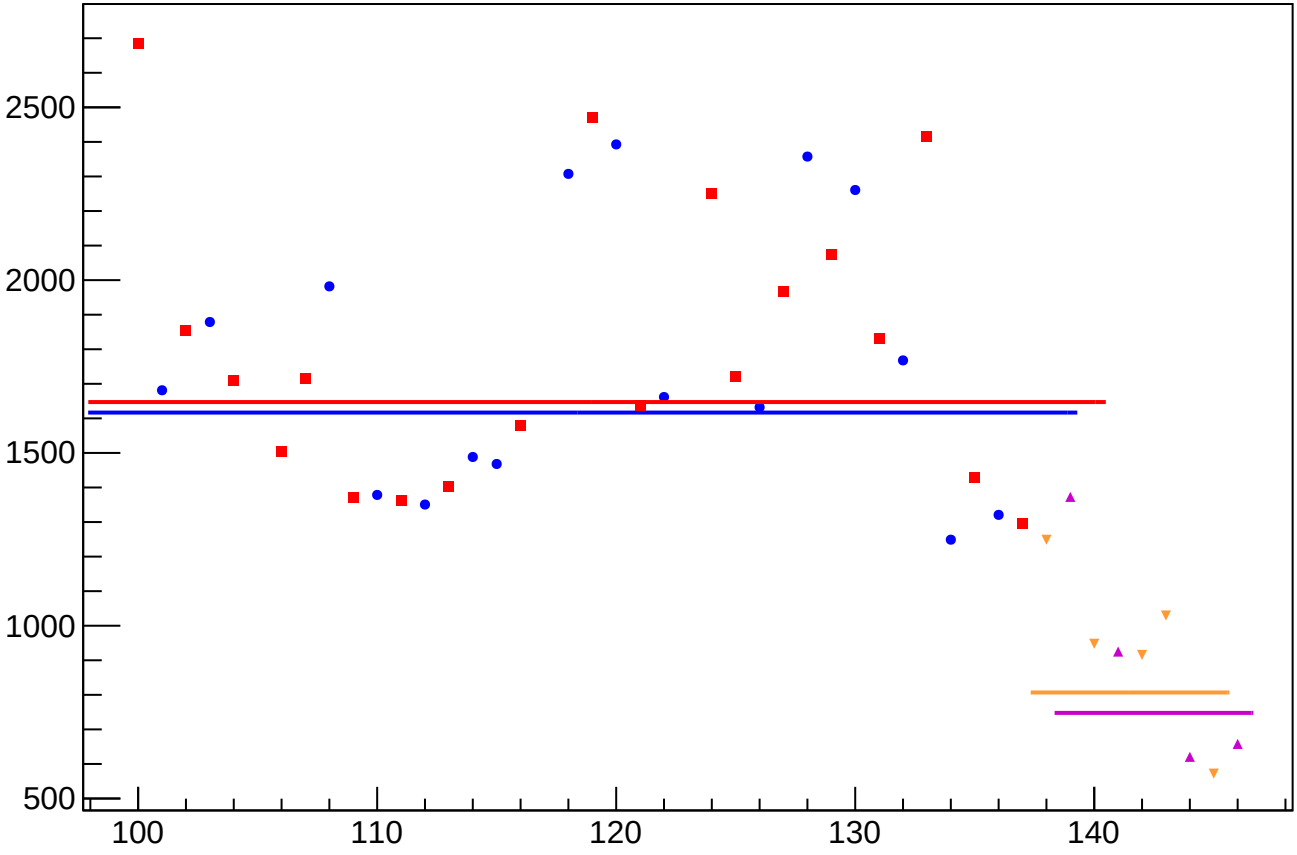
Left In: 201.250+/-419.554 χ^2/NDF:2.0/3

+ sign 680.358+/-359.703 χ^2/NDF: 35.6/20

All: 617.187+/-249.677 χ^2/NDF: 52.1/43

- sign 558.453+/-346.840 χ^2/NDF: 16.4/22

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 806.802+/-0.313 χ^2/NDF:581034.7/4

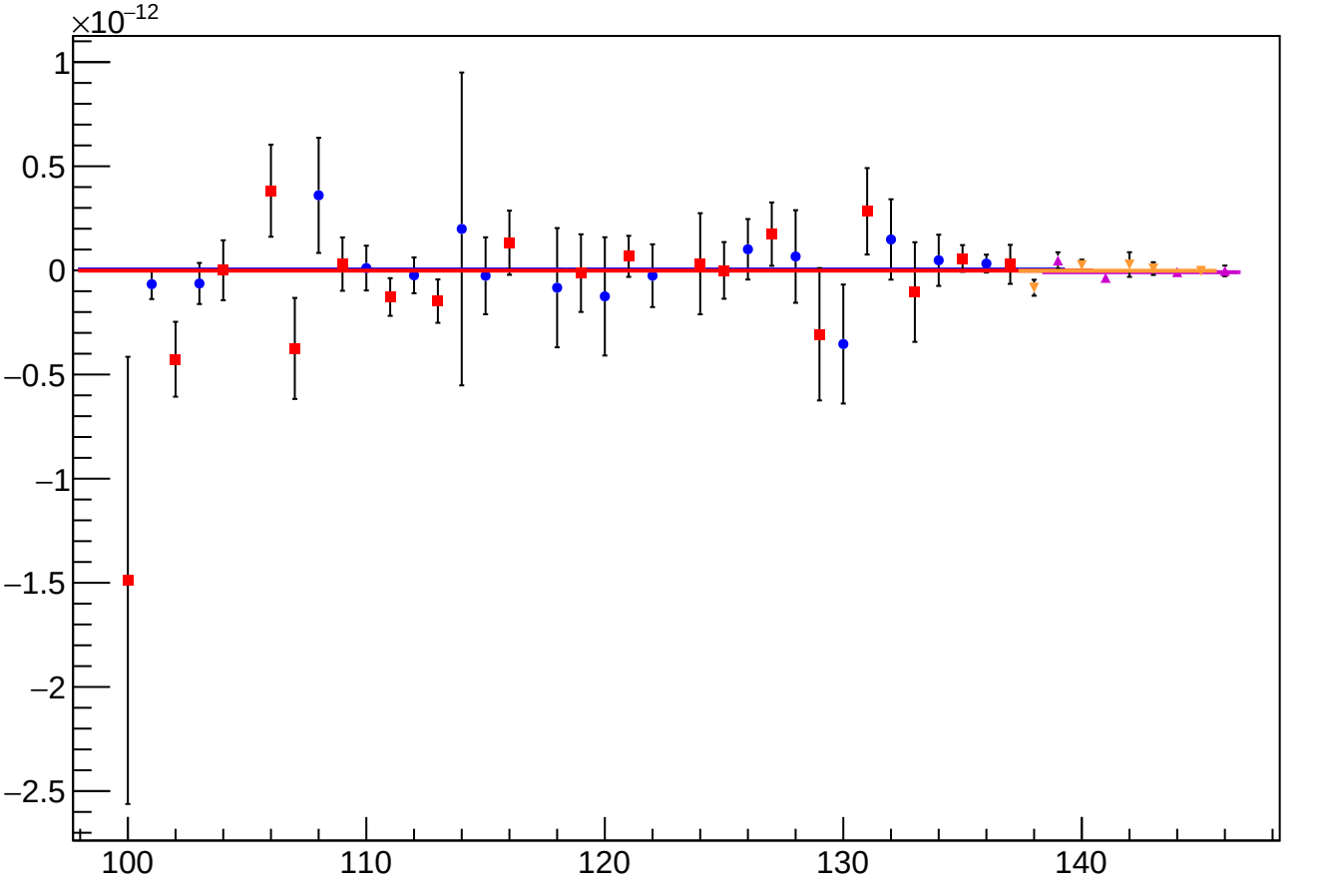
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 747.763+/-0.297 χ^2/NDF:515581.2/3

+ sign 1080.519+/-0.254 χ^2/NDF: 3472326.8/20

All: 1055.647+/-0.177 χ^2/NDF: 7440376.1/43

- sign 1032.523+/-0.245 χ^2/NDF: 3949596.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/4

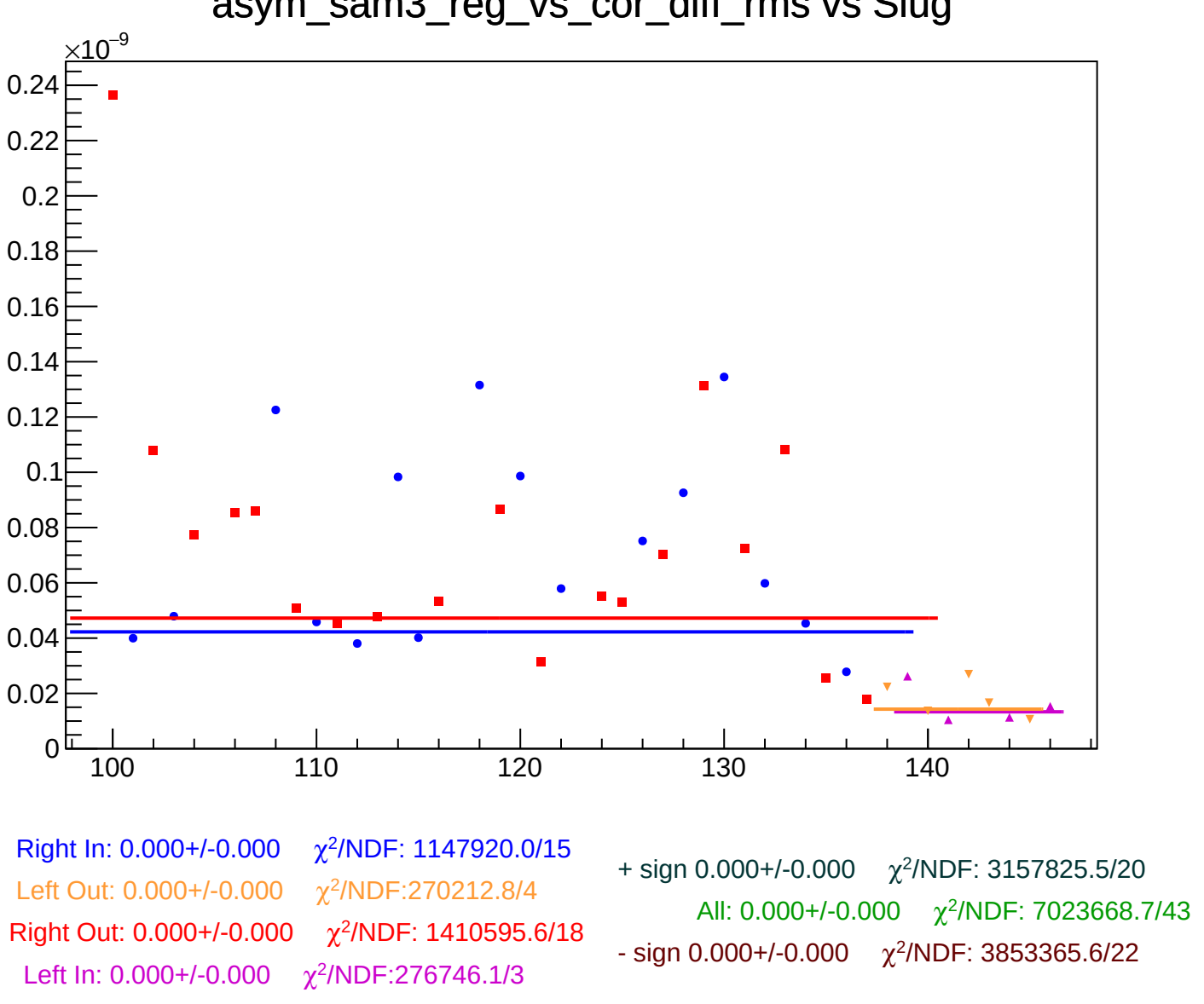
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/3

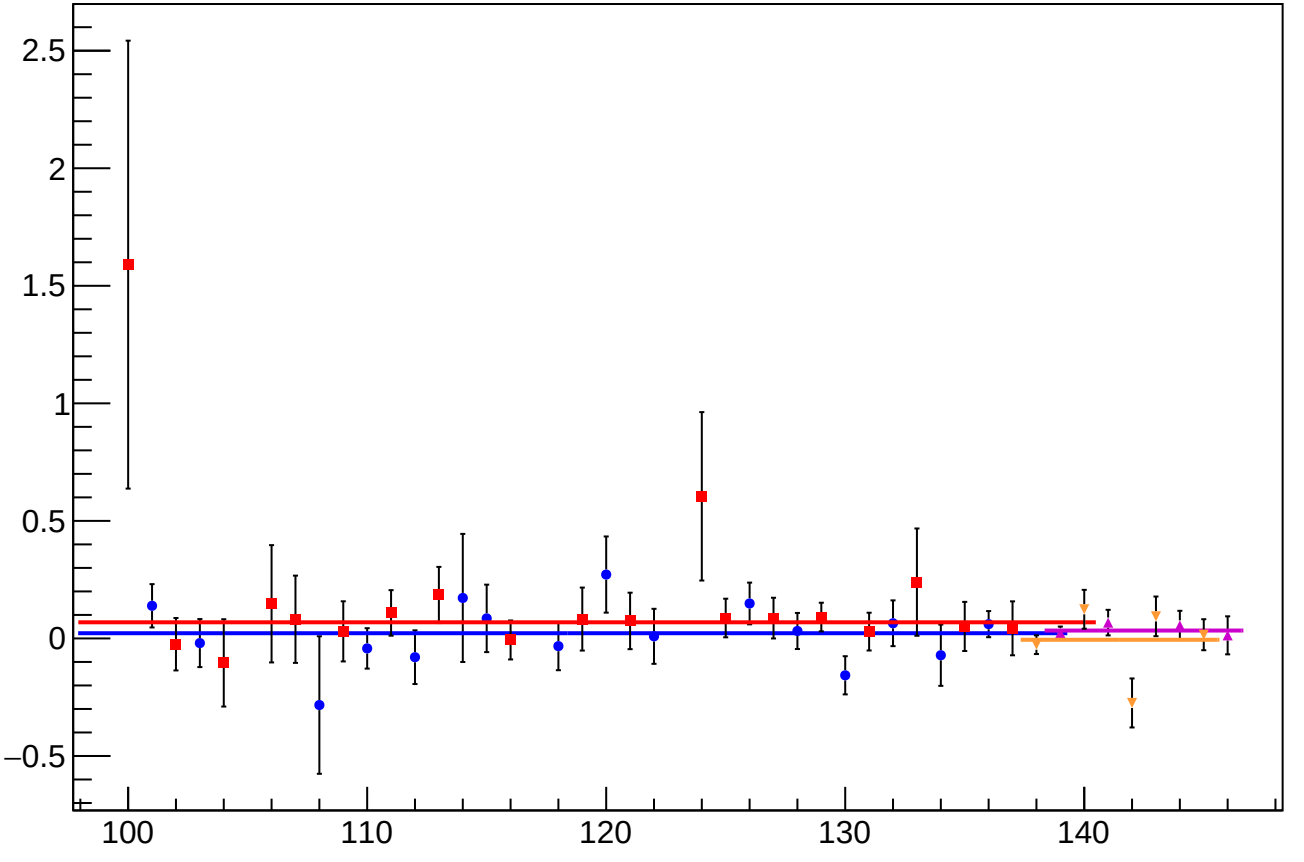
+ sign -0.000+/-0.000 χ^2/NDF: 12.8/20

All: -0.000+/-0.000 χ^2/NDF: 39.8/43

- sign -0.000+/-0.000 χ^2/NDF: 26.8/22


asym_sam3_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1147920.0/15
Left Out: 0.000+/-0.000 χ²/NDF:270212.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 1410595.6/18
Left In: 0.000+/-0.000 χ²/NDF:276746.1/3
+ sign 0.000+/-0.000 χ²/NDF: 3157825.5/20
All: 0.000+/-0.000 χ²/NDF: 7023668.7/43
- sign 0.000+/-0.000 χ²/NDF: 3853365.6/22

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.006+/-0.028 χ^2/NDF:10.9/4

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

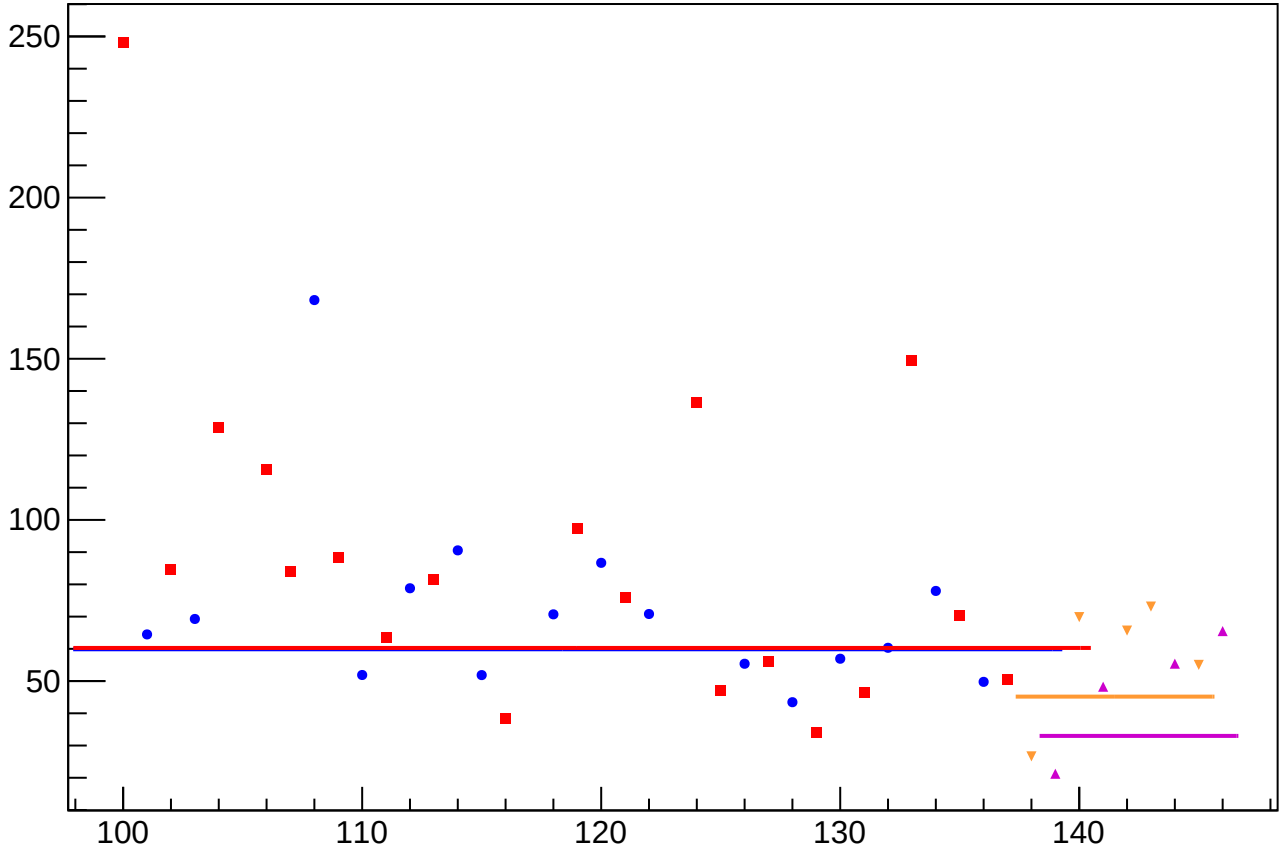
Left In: 0.034+/-0.022 χ^2/NDF:0.7/3

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/20

All: 0.032+/-0.012 χ^2/NDF: 40.7/43

- sign 0.049+/-0.017 χ^2/NDF: 11.4/22

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 45.177+/-0.020 χ^2/NDF:952695.5/4

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

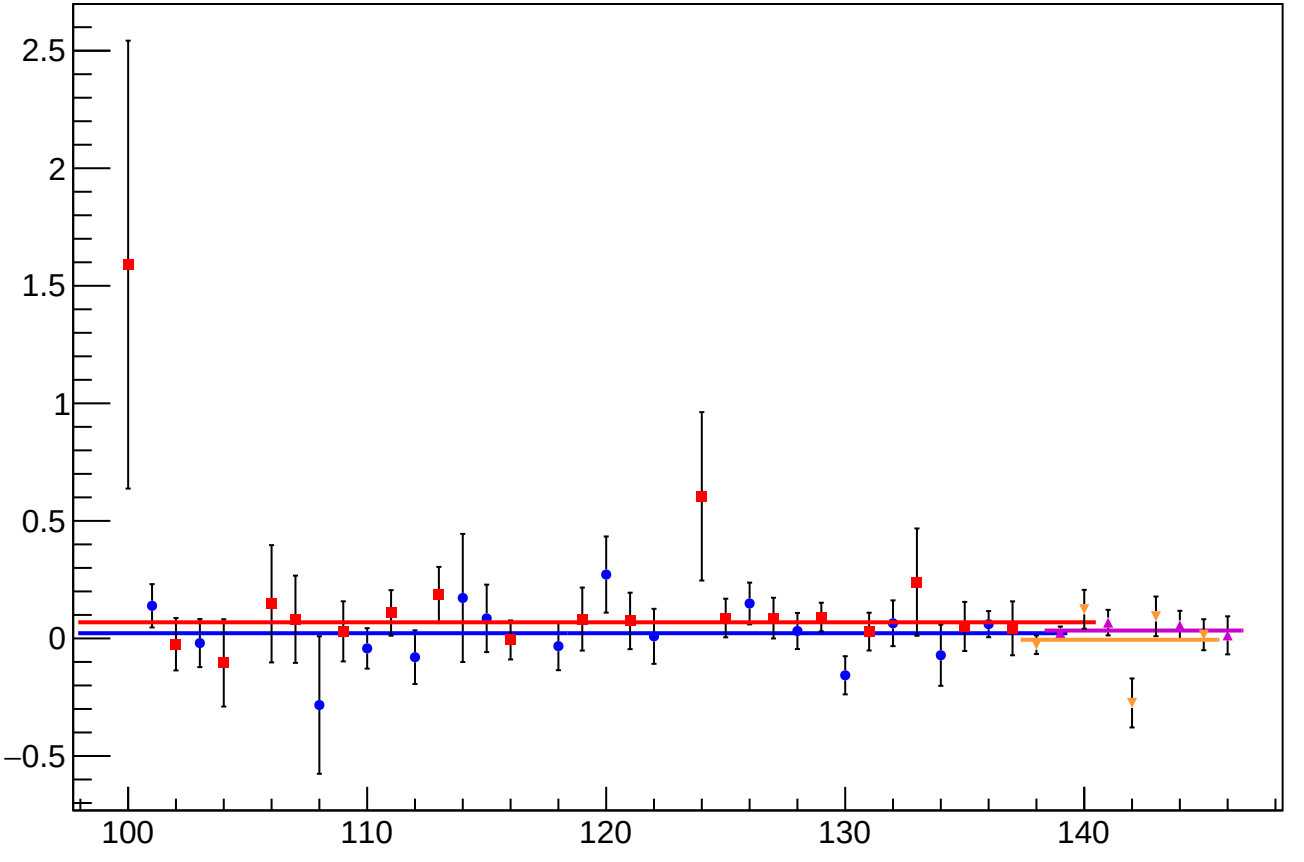
Left In: 32.989+/-0.015 χ^2/NDF:1114716.9/3

+ sign 53.550+/-0.013 χ^2/NDF: 1956524.5/20

All: 48.548+/-0.009 χ^2/NDF: 6643022.4/43

- sign 44.622+/-0.012 χ^2/NDF: 4429158.9/22

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.006+/-0.028 χ^2/NDF:10.9/4

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

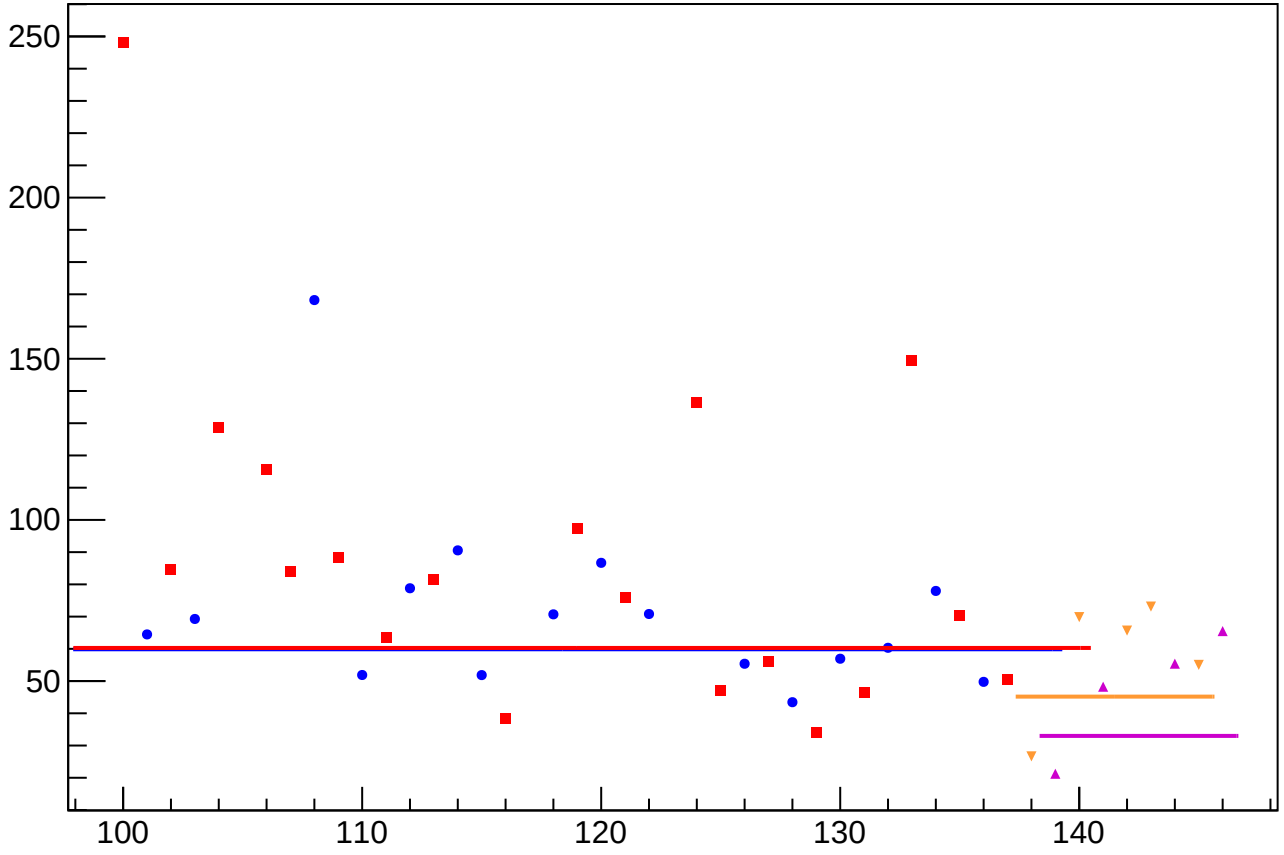
Left In: 0.034+/-0.022 χ^2/NDF:0.7/3

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/20

All: 0.032+/-0.012 χ^2/NDF: 40.7/43

- sign 0.049+/-0.017 χ^2/NDF: 11.4/22

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 45.177+/-0.020 χ^2/NDF:952695.5/4

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

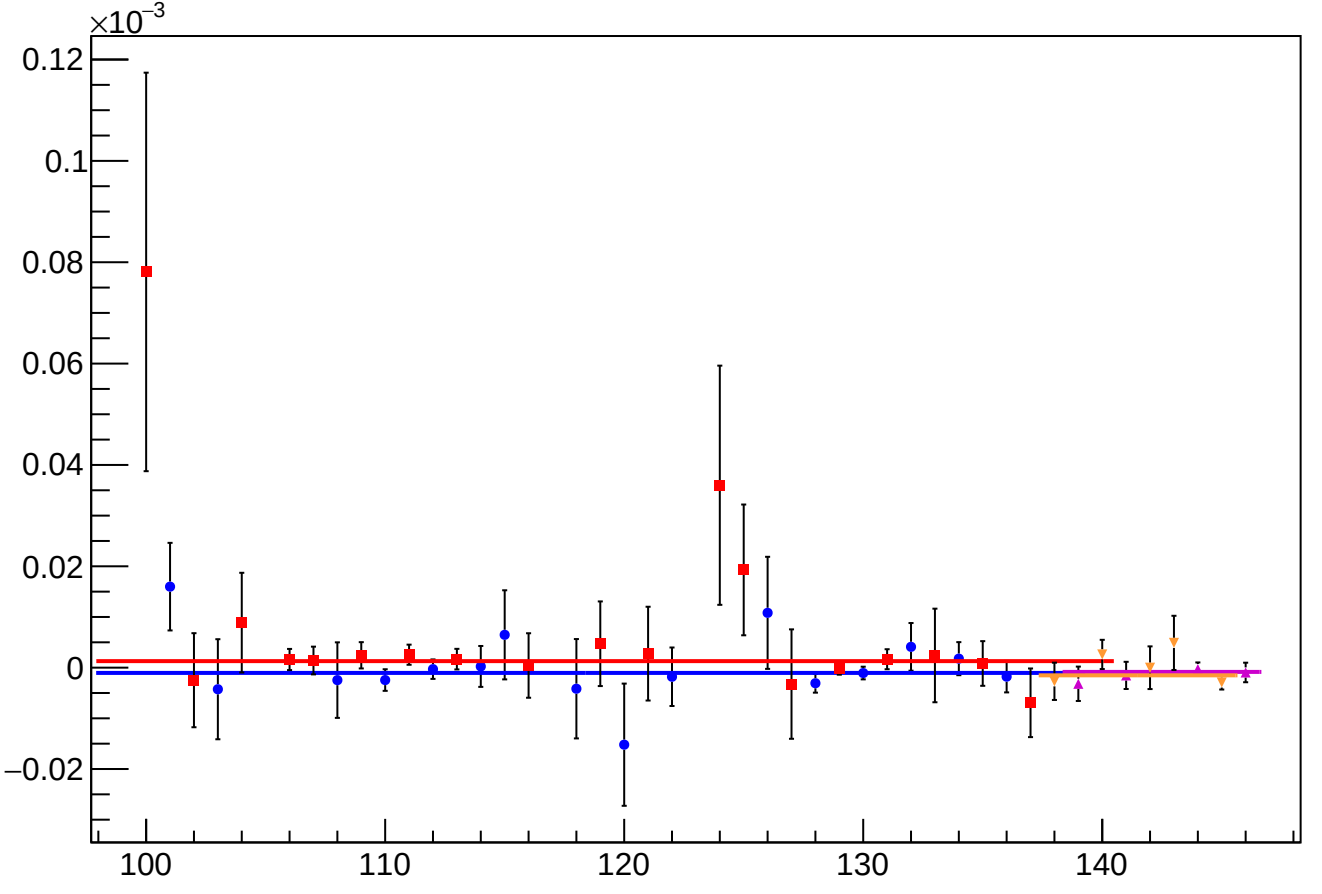
Left In: 32.989+/-0.015 χ^2/NDF:1114716.9/3

+ sign 53.550+/-0.013 χ^2/NDF: 1956524.5/20

All: 48.548+/-0.009 χ^2/NDF: 6643022.4/43

- sign 44.622+/-0.012 χ^2/NDF: 4429158.9/22

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:4.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

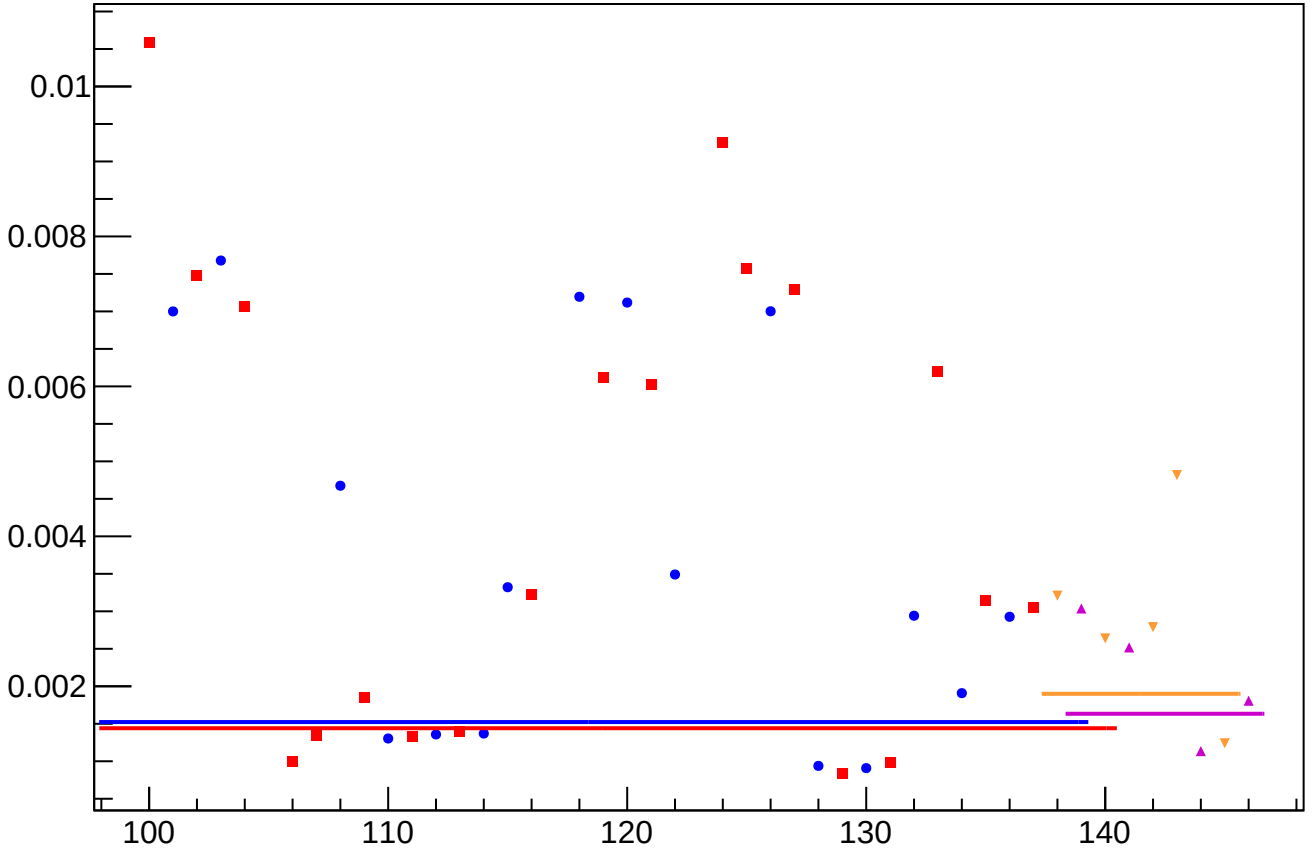
Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 16.1/20

All: -0.000+/-0.000 χ^2/NDF: 36.8/43

- sign 0.000+/-0.000 χ^2/NDF: 16.4/22

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1514934.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

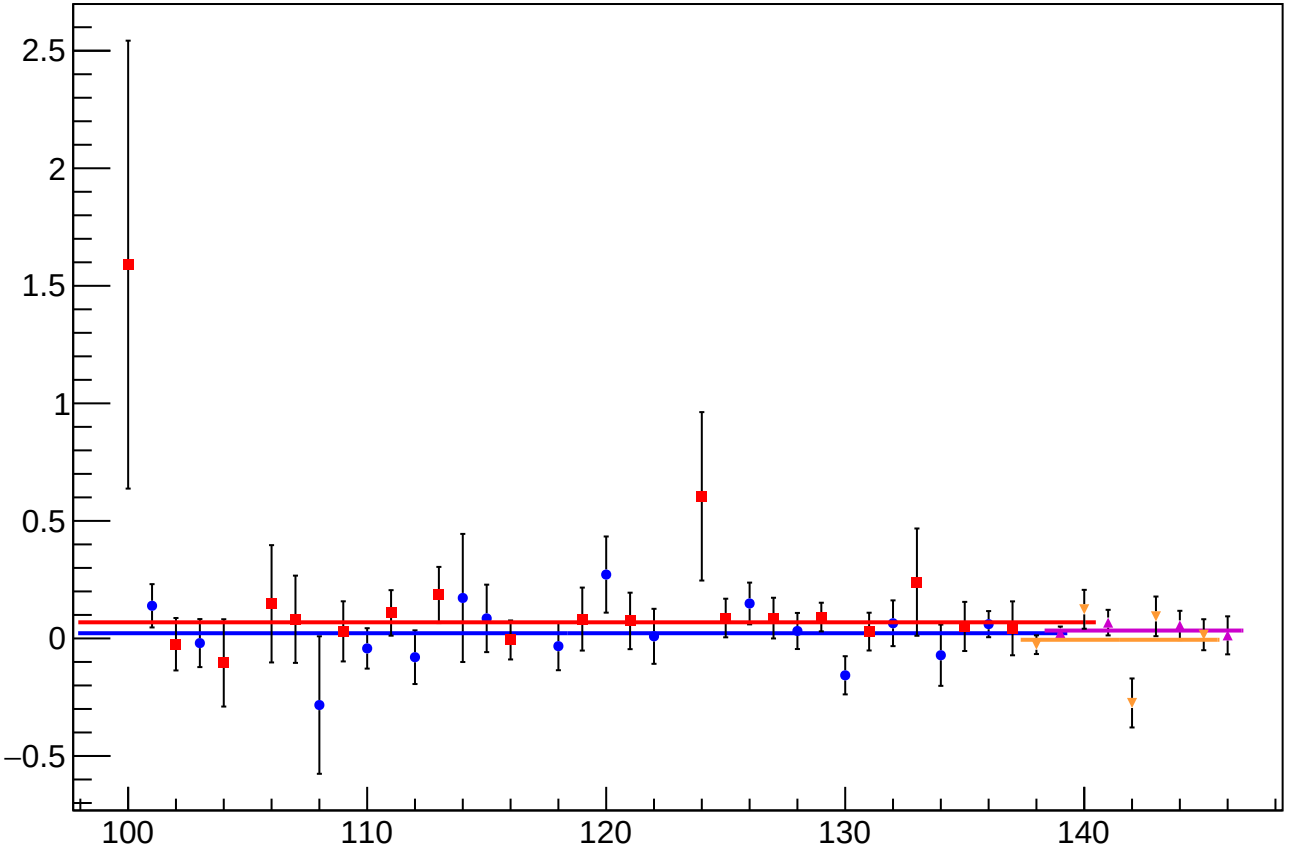
Left In: 0.002+/-0.000 χ^2/NDF:867580.9/3

+ sign 0.002+/-0.000 χ^2/NDF: 6855696.5/20

All: 0.002+/-0.000 χ^2/NDF: 13613541.8/43

- sign 0.002+/-0.000 χ^2/NDF: 6709626.8/22

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.006+/-0.028 χ^2/NDF:10.9/4

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

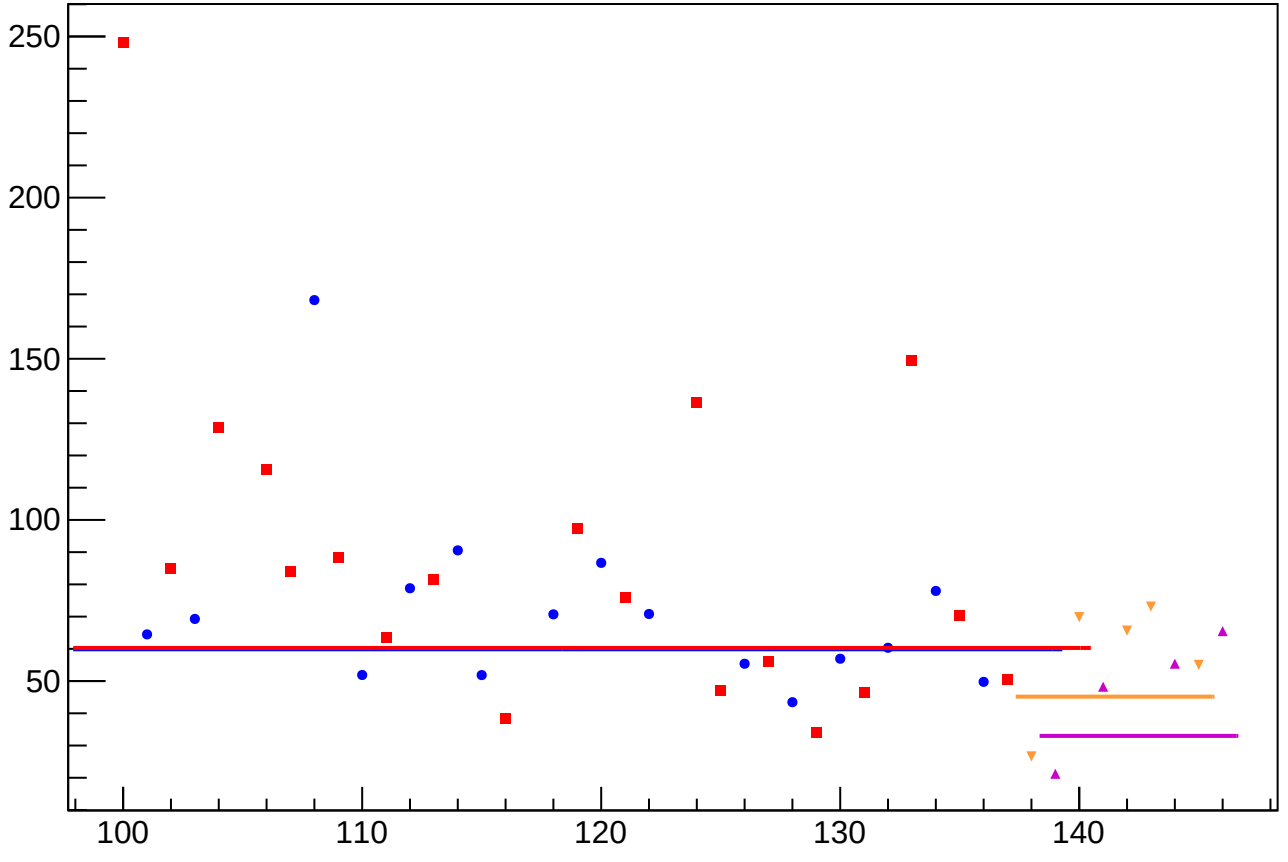
Left In: 0.034+/-0.022 χ^2/NDF:0.7/3

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/20

All: 0.032+/-0.012 χ^2/NDF: 40.7/43

- sign 0.049+/-0.017 χ^2/NDF: 11.4/22

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 45.176+/-0.020 χ^2/NDF:952886.8/4

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

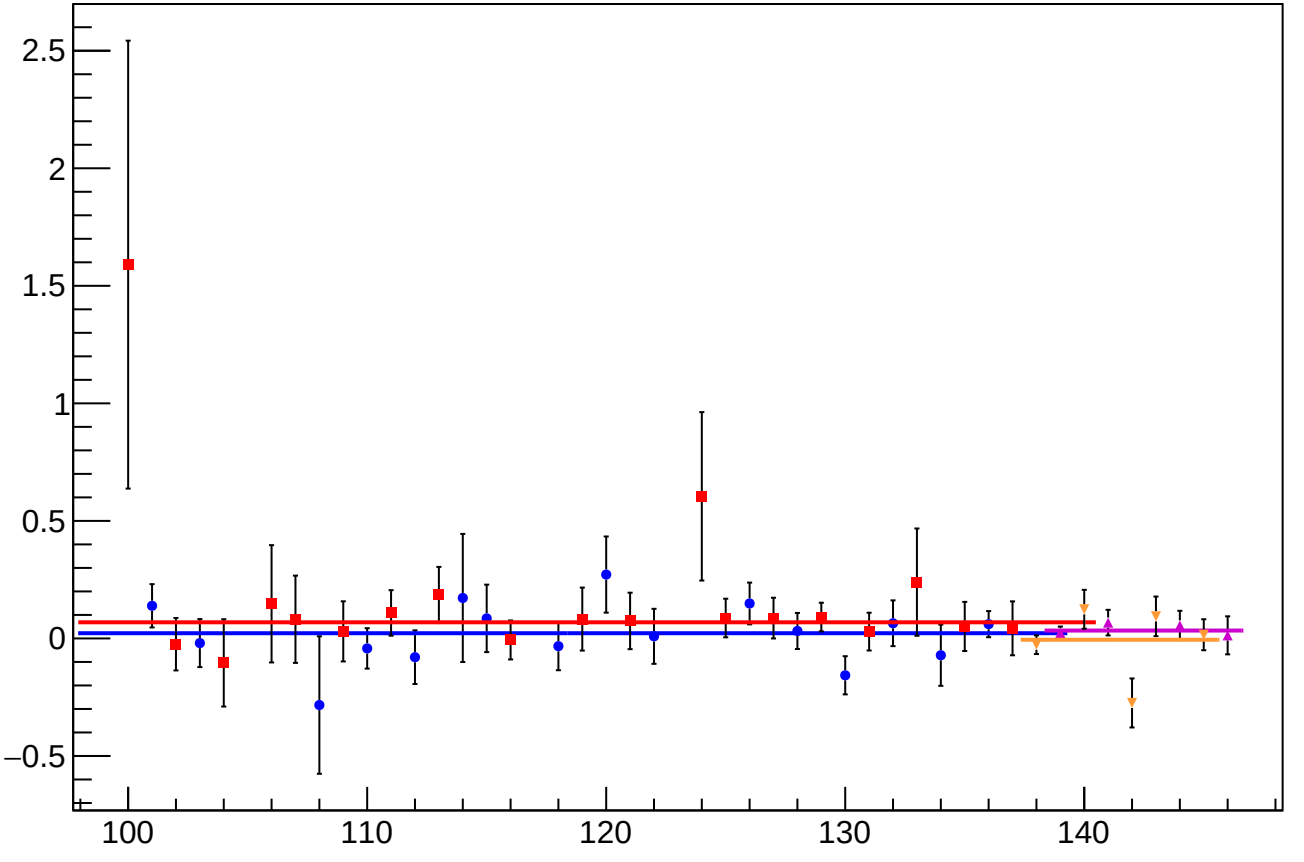
Left In: 32.988+/-0.015 χ^2/NDF:1114857.7/3

+ sign 53.549+/-0.013 χ^2/NDF: 1956880.1/20

All: 48.548+/-0.009 χ^2/NDF: 6643821.6/43

- sign 44.621+/-0.012 χ^2/NDF: 4429570.5/22

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.006+/-0.028 χ^2/NDF:10.9/4

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

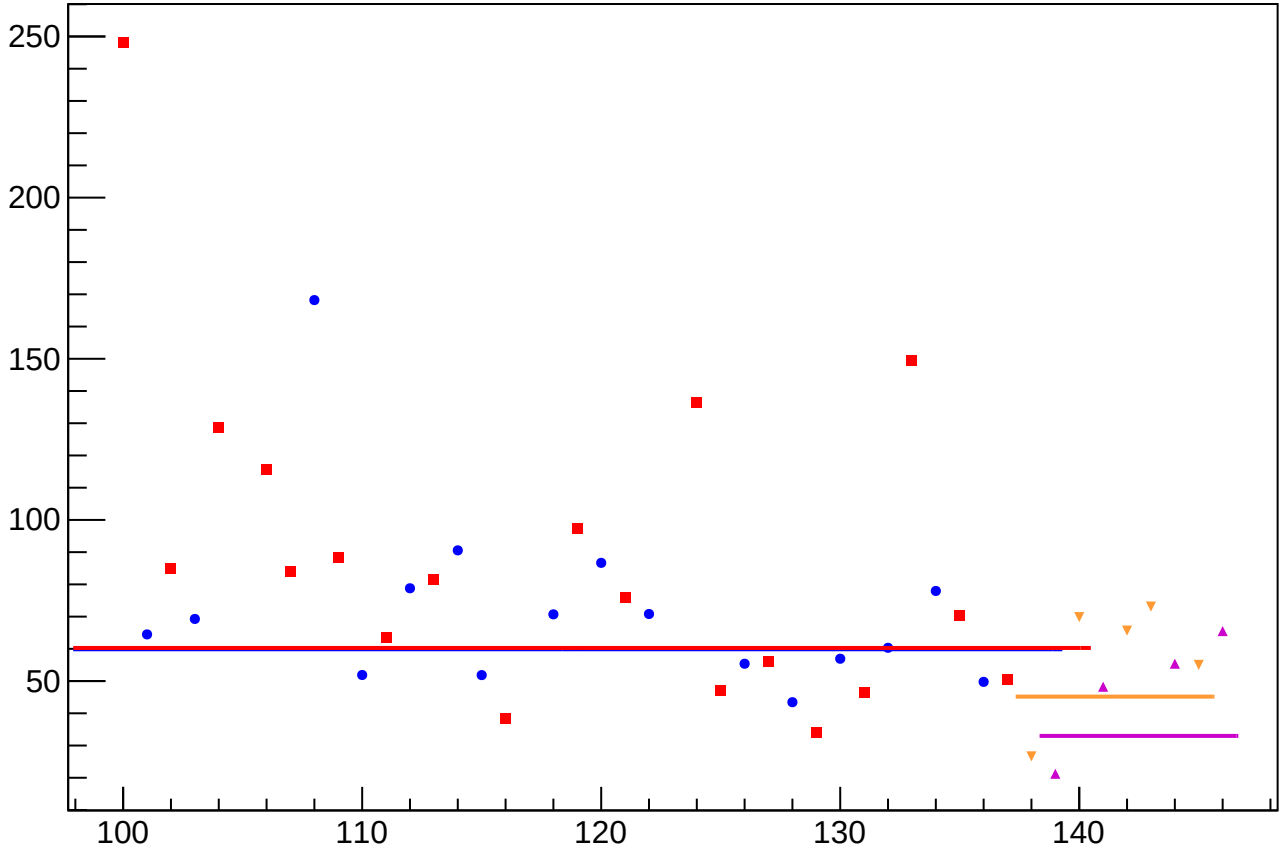
Left In: 0.034+/-0.022 χ^2/NDF:0.7/3

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/20

All: 0.032+/-0.012 χ^2/NDF: 40.7/43

- sign 0.049+/-0.017 χ^2/NDF: 11.4/22

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 45.176+/-0.020 χ^2/NDF:952886.8/4

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

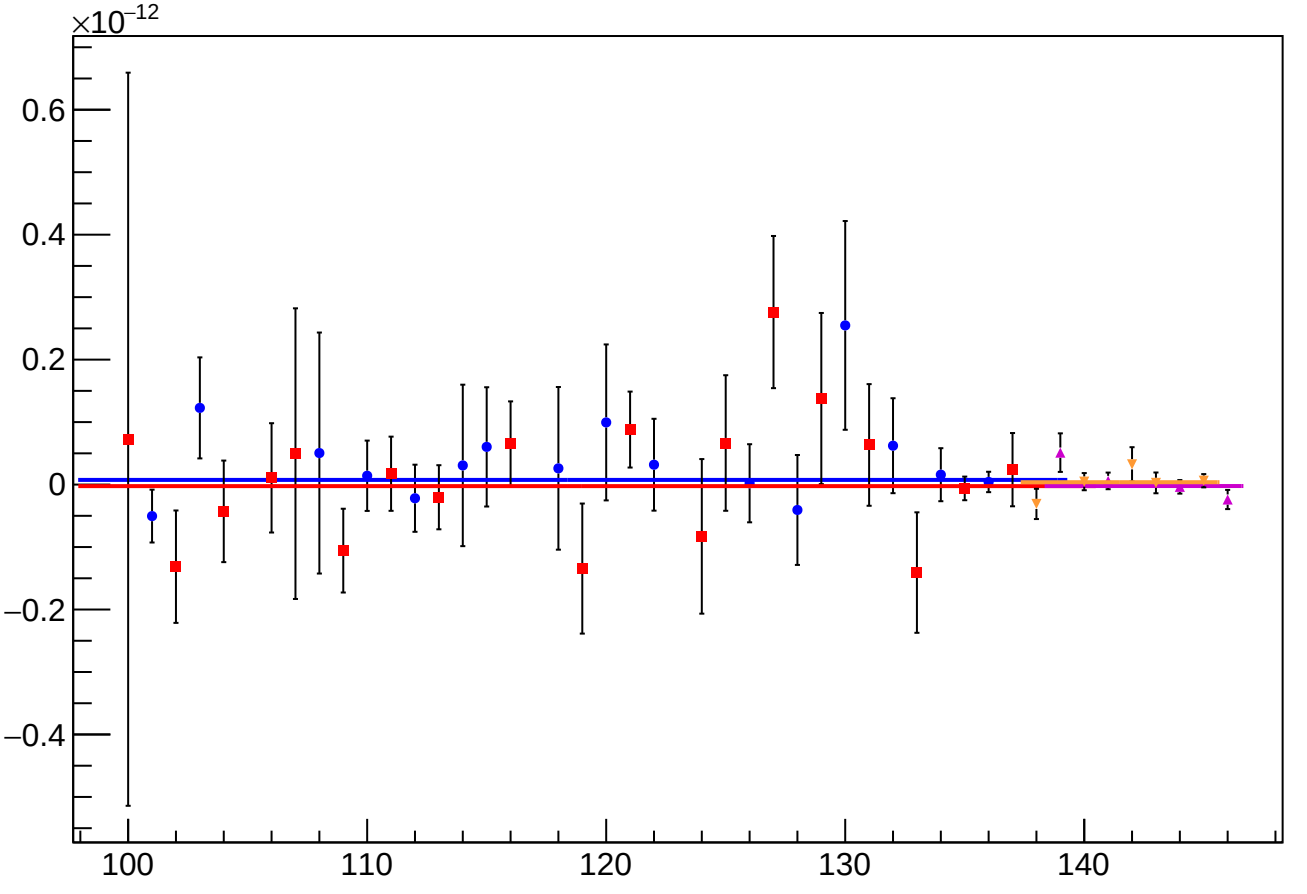
Left In: 32.988+/-0.015 χ^2/NDF:1114857.7/3

+ sign 53.549+/-0.013 χ^2/NDF: 1956880.1/20

All: 48.548+/-0.009 χ^2/NDF: 6643821.6/43

- sign 44.621+/-0.012 χ^2/NDF: 4429570.5/22

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:3.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

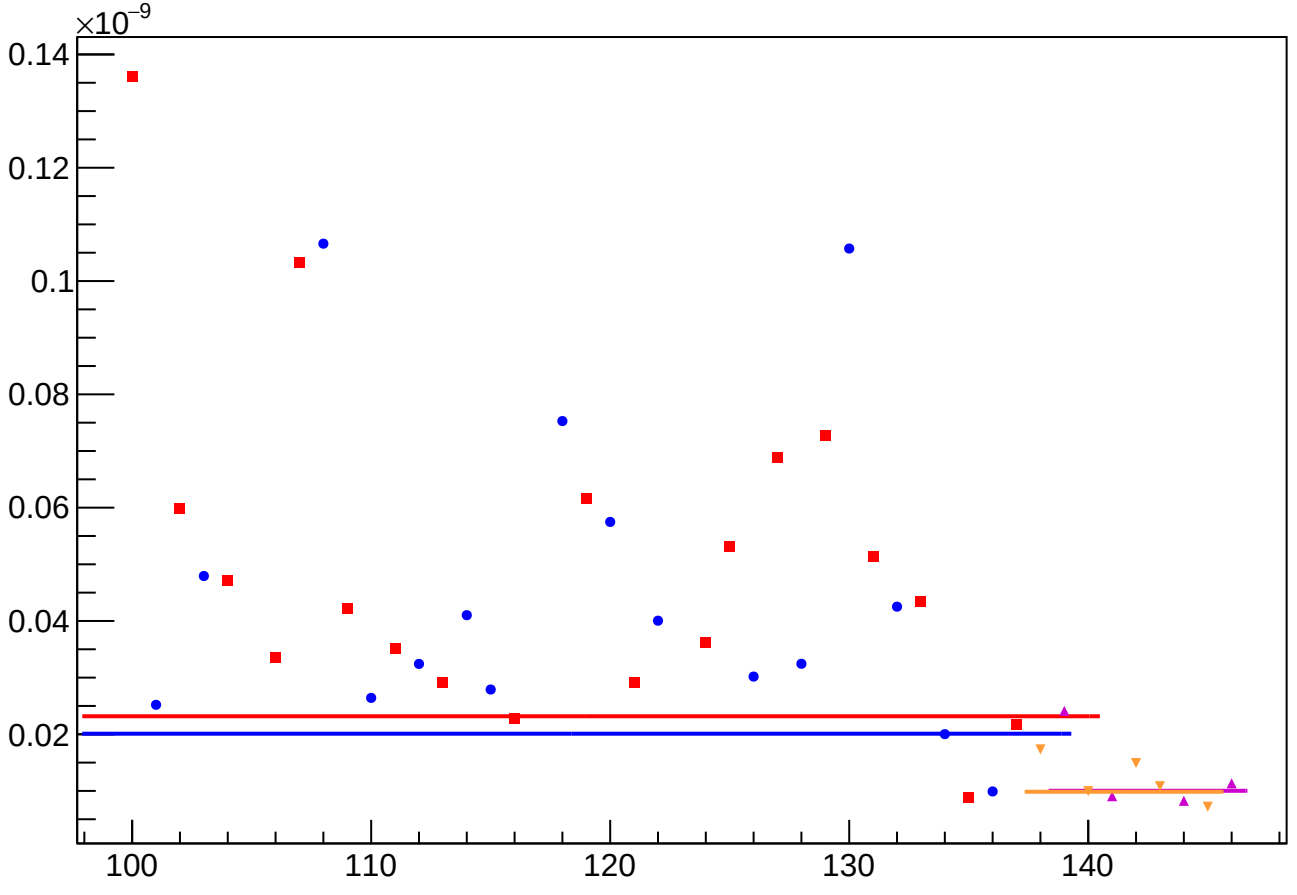
Left In: -0.000+/-0.000 χ^2/NDF:5.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 11.7/20

All: 0.000+/-0.000 χ^2/NDF: 37.3/43

- sign -0.000+/-0.000 χ^2/NDF: 25.0/22

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:390004.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

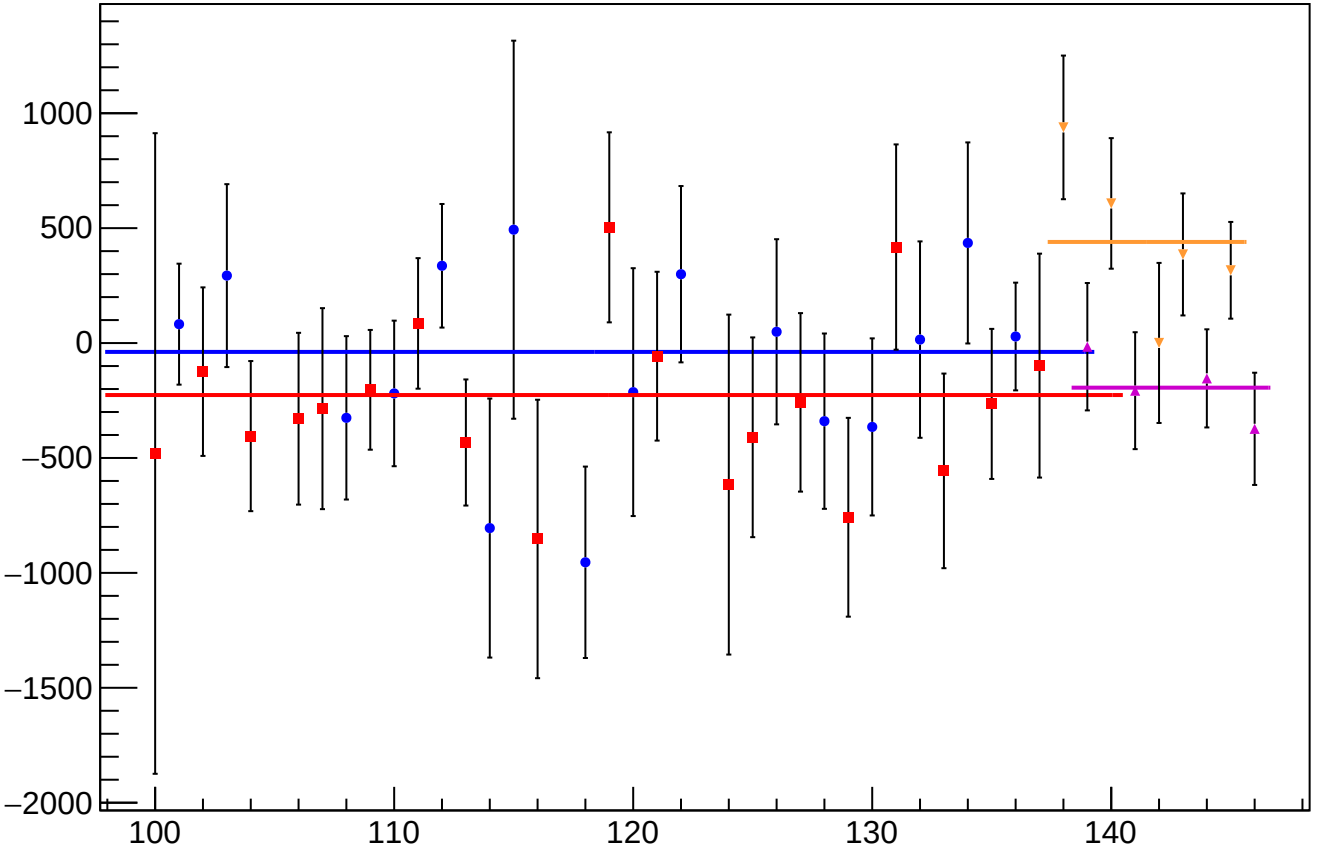
Left In: 0.000+/-0.000 χ^2/NDF:495311.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 4585001.6/20

All: 0.000+/-0.000 χ^2/NDF: 10095705.9/43

- sign 0.000+/-0.000 χ^2/NDF: 5503070.1/22

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 439.986+/-121.592 χ^2/NDF:4.9/4

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

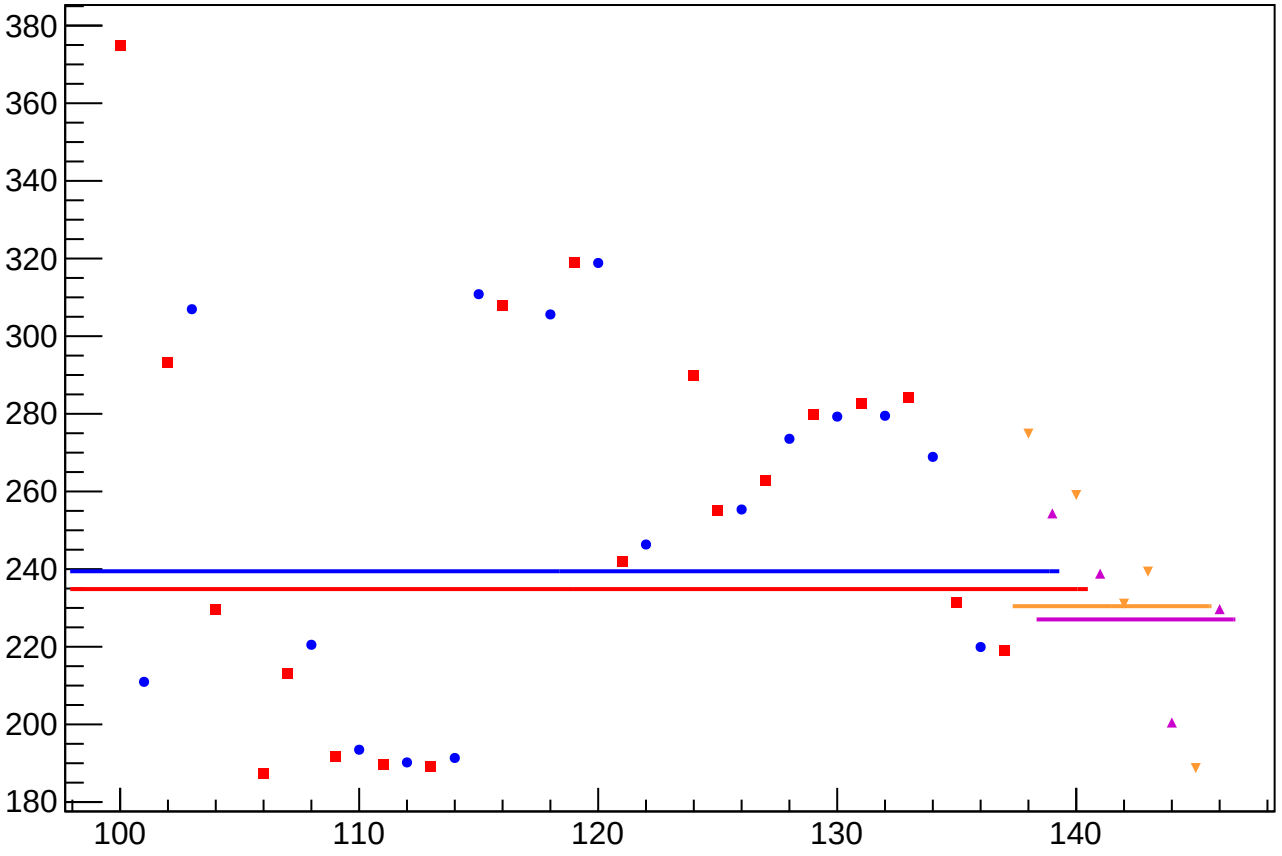
Left In: -194.100+/-121.998 χ^2/NDF:1.0/3

+ sign 132.363+/-72.660 χ^2/NDF: 29.3/20

All: -44.653+/-50.898 χ^2/NDF: 53.4/43

- sign -215.208+/-71.321 χ^2/NDF: 12.5/22

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 230.449+/-0.086 χ^2/NDF:141512.4/4

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

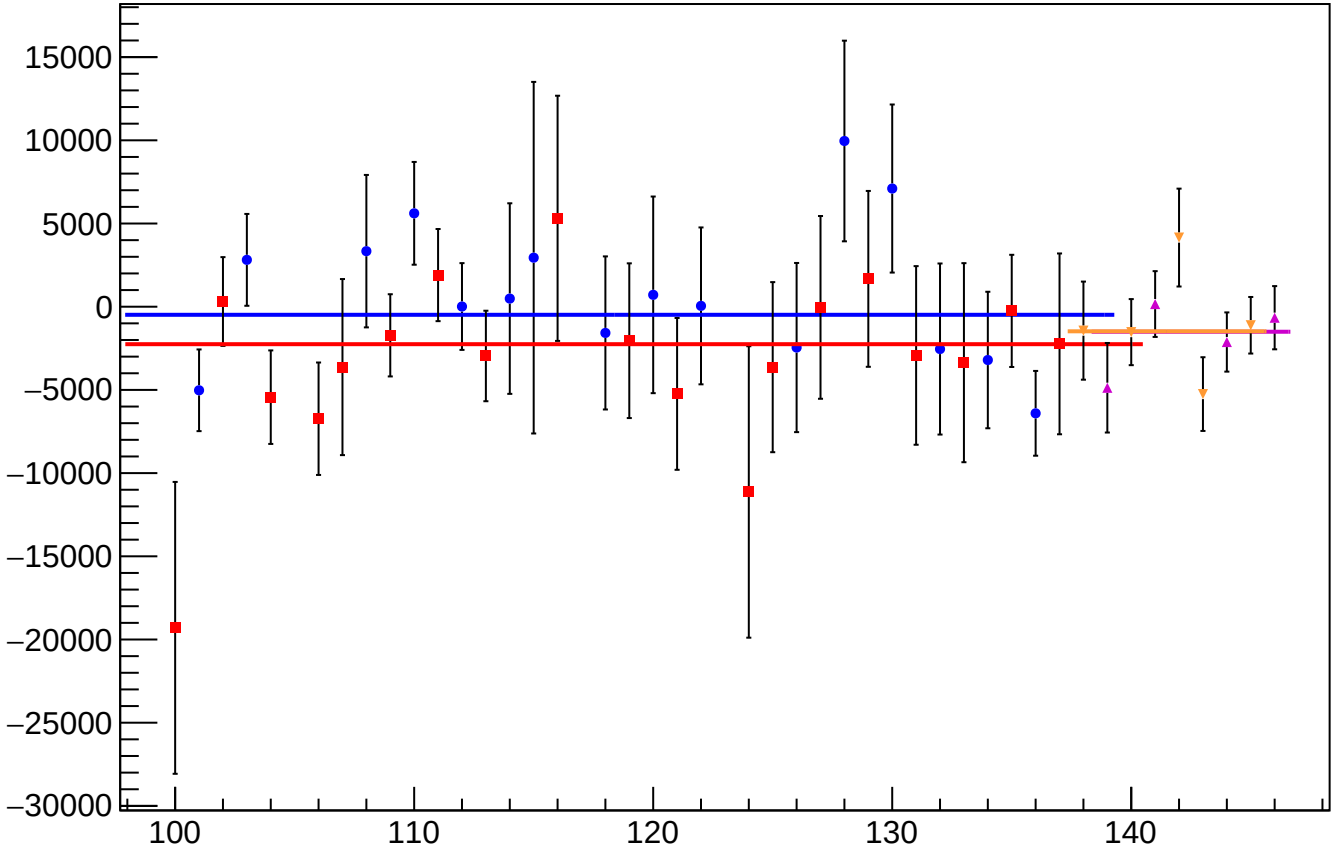
Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

+ sign 236.235+/-0.051 χ^2/NDF: 549513.2/20

All: 234.172+/-0.036 χ^2/NDF: 1094696.6/43

- sign 232.184+/-0.050 χ^2/NDF: 542016.5/22

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -1477.783+/-983.247 χ^2/NDF:6.6/4

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

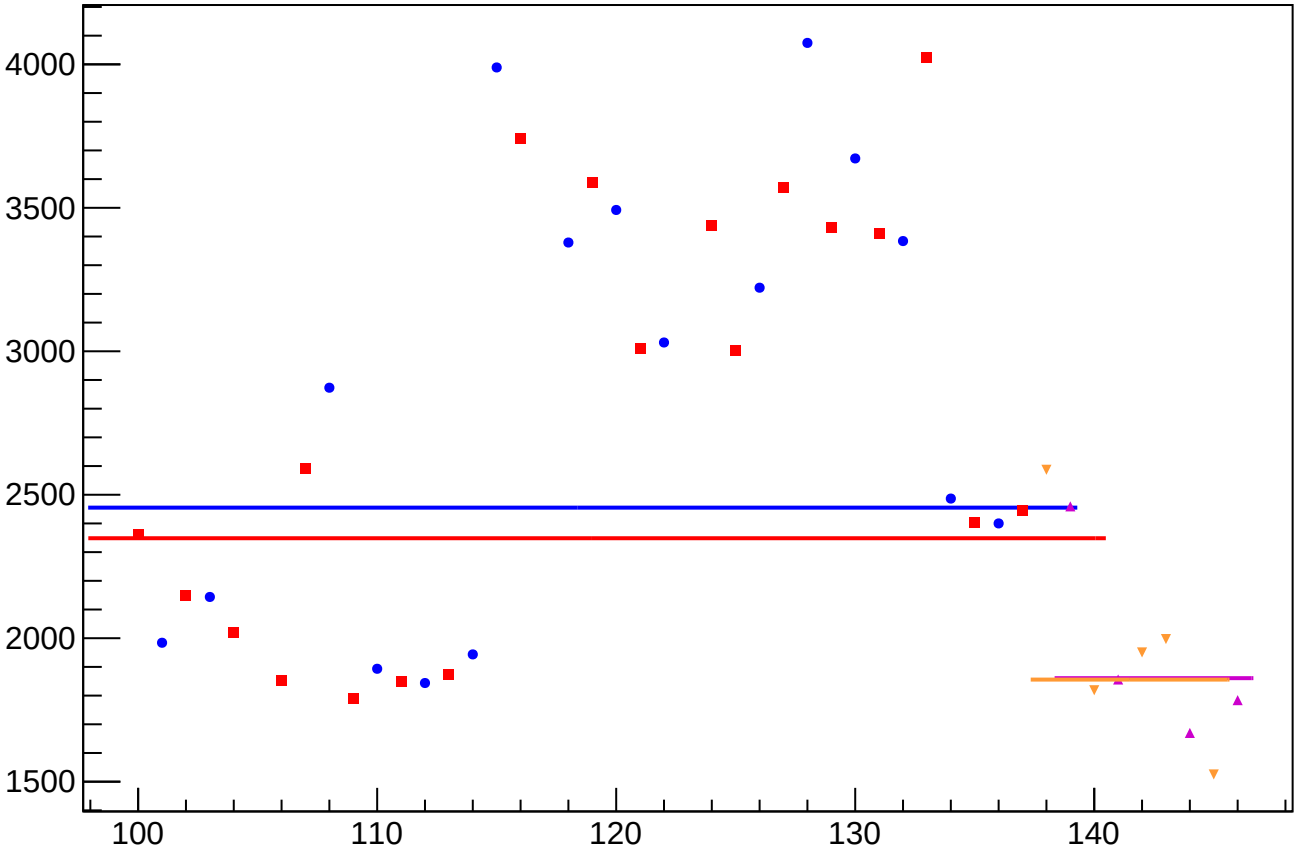
Left In: -1504.323+/-1006.574 χ^2/NDF:2.6/3

+ sign -963.479+/-682.256 χ^2/NDF: 28.3/20

All: -1452.586+/-477.489 χ^2/NDF: 46.1/43

- sign -1922.165+/-668.497 χ^2/NDF: 16.8/22

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1855.808+/-0.695 χ^2/NDF:209649.5/4

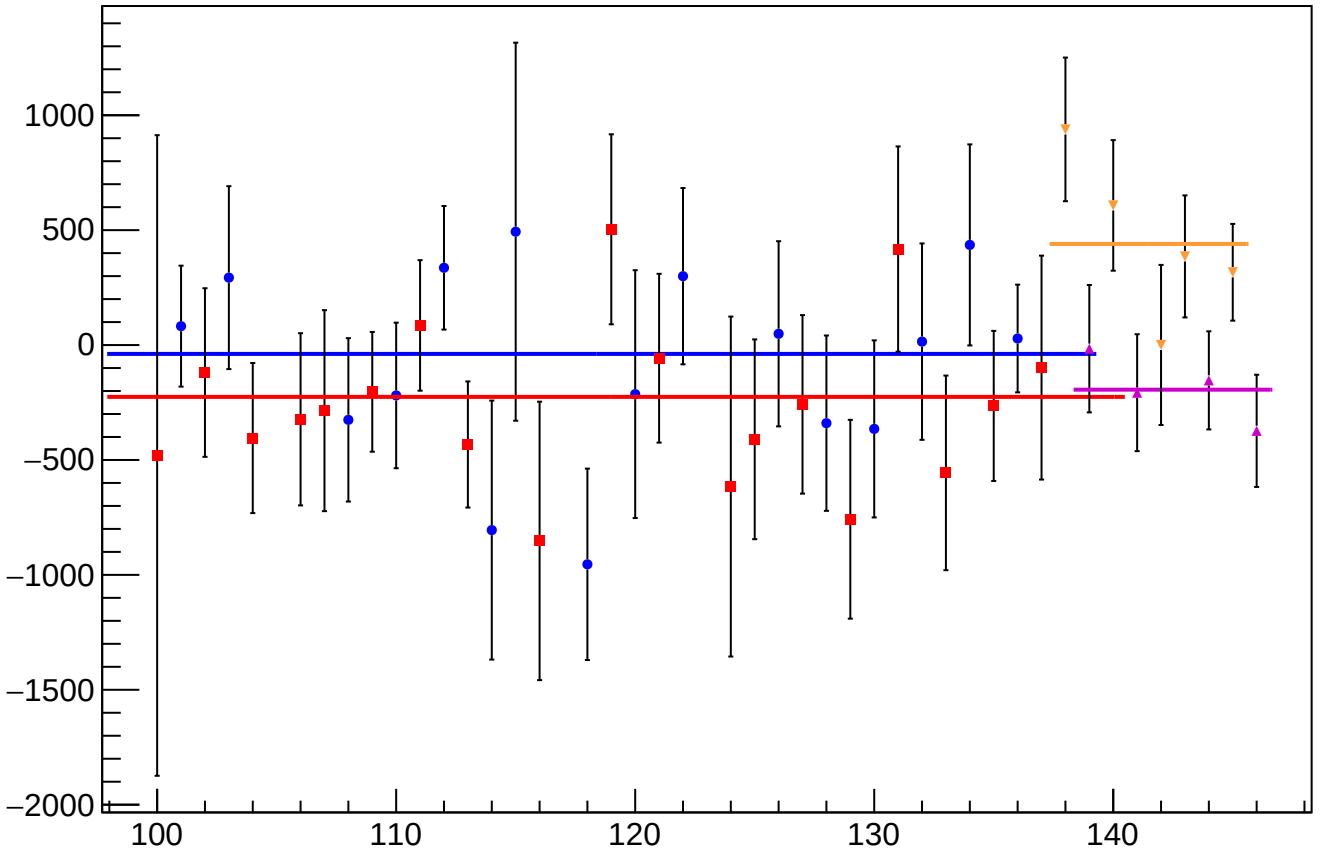
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1860.779+/-0.712 χ^2/NDF:125296.1/3

+ sign 2166.560+/-0.482 χ^2/NDF: 1489304.8/20

All: 2149.617+/-0.338 χ^2/NDF: 2931828.2/43

- sign 2133.351+/-0.473 χ^2/NDF: 1440105.8/22



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 440.022+/-121.592 χ^2/NDF:4.9/4

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

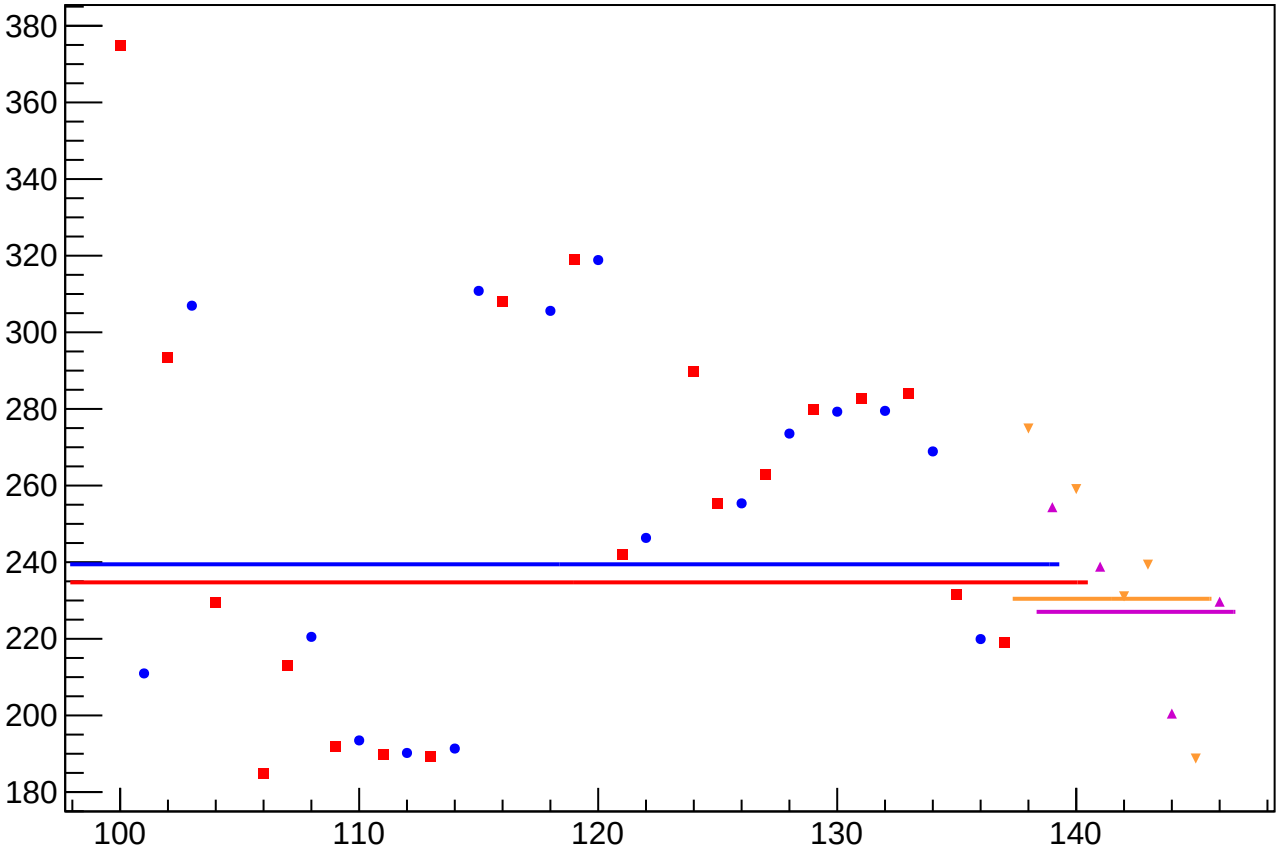
Left In: -194.124+/-121.998 χ^2/NDF:1.0/3

+ sign 132.363+/-72.660 χ^2/NDF: 29.3/20

All: -44.420+/-50.901 χ^2/NDF: 53.4/43

- sign -214.784+/-71.328 χ^2/NDF: 12.5/22

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 230.449+/-0.086 χ^2/NDF:141512.4/4

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

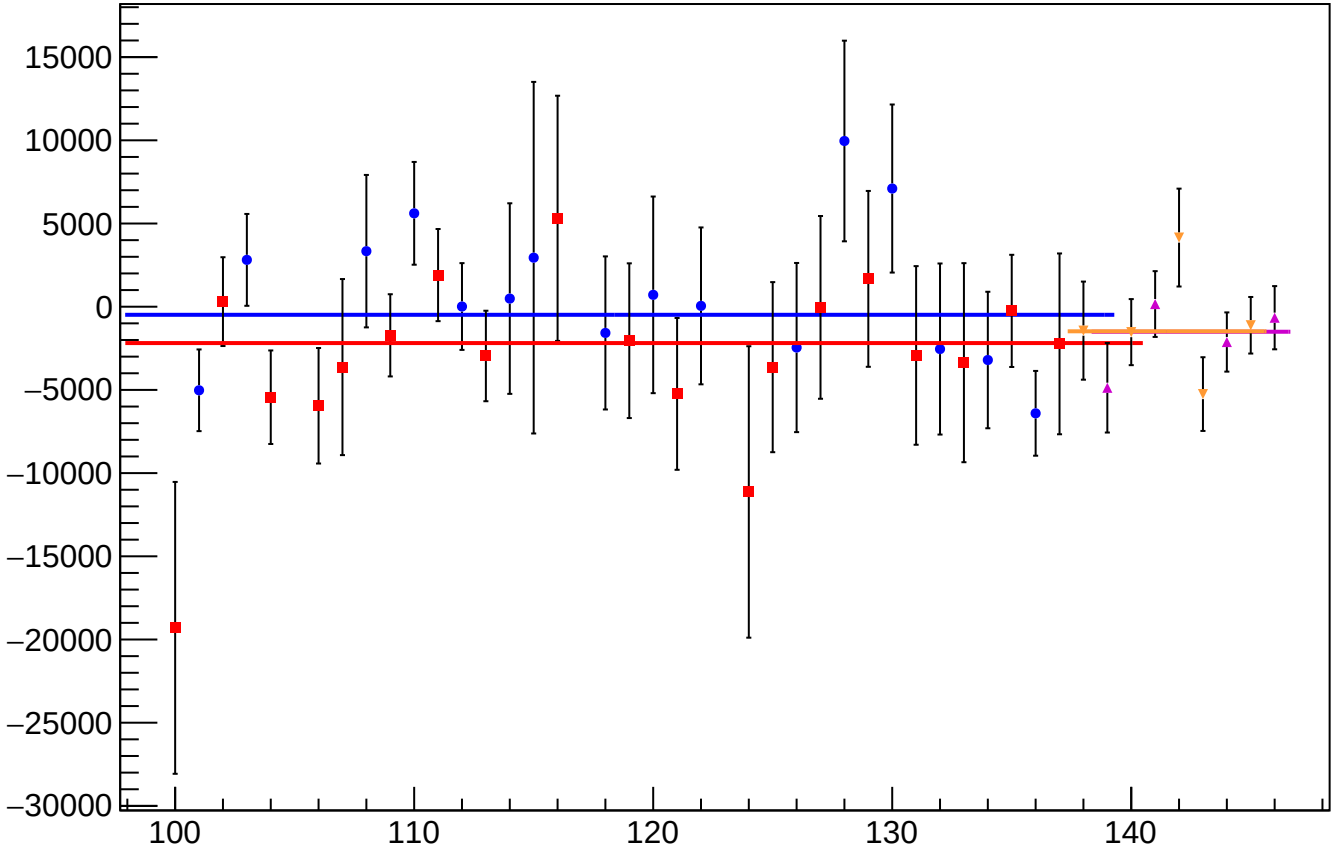
Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

+ sign 236.235+/-0.051 χ^2/NDF: 549515.6/20

All: 234.131+/-0.036 χ^2/NDF: 1098181.6/43

- sign 232.103+/-0.050 χ^2/NDF: 545371.9/22

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1477.748+/-983.246 χ^2/NDF:6.6/4

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

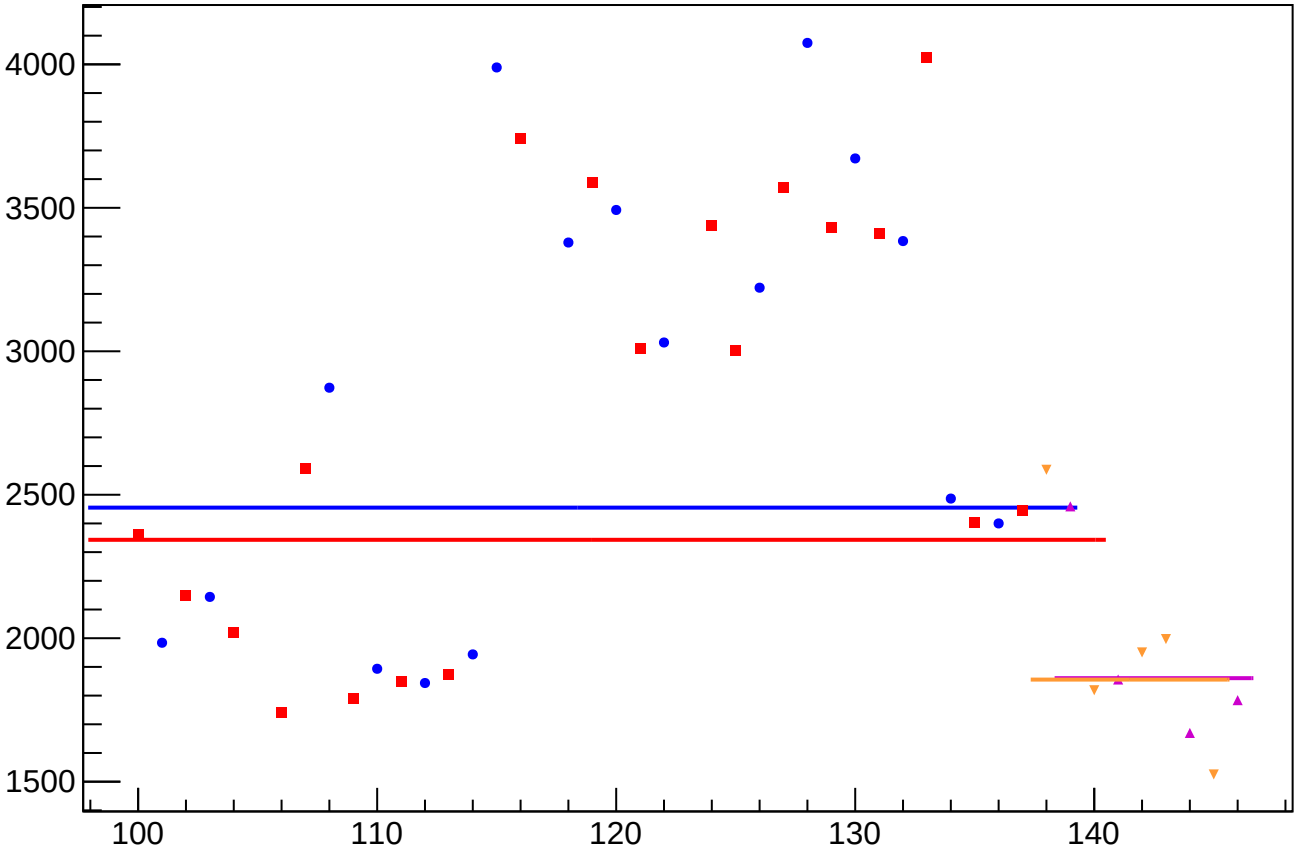
Left In: -1504.348+/-1006.575 χ^2/NDF:2.6/3

+ sign -963.555+/-682.259 χ^2/NDF: 28.3/20

All: -1432.698+/-477.747 χ^2/NDF: 45.3/43

- sign -1884.058+/-669.203 χ^2/NDF: 16.1/22

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1855.806+/-0.695 χ^2/NDF:209650.5/4

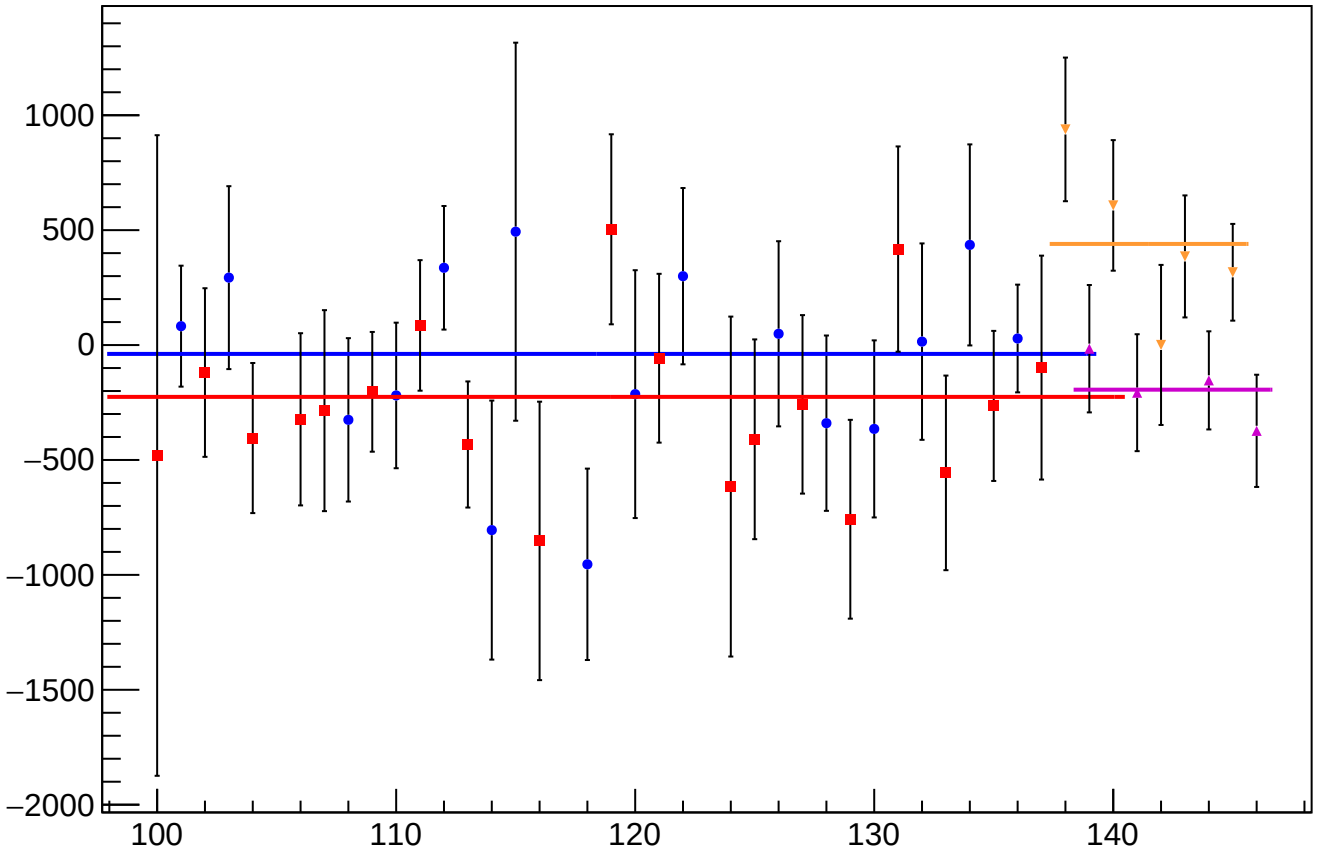
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1860.780+/-0.712 χ^2/NDF:125294.9/3

+ sign 2166.569+/-0.482 χ^2/NDF: 1489305.4/20

All: 2147.846+/-0.338 χ^2/NDF: 2944026.6/43

- sign 2129.833+/-0.473 χ^2/NDF: 1451765.9/22



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 440.022+/-121.592 χ^2/NDF:4.9/4

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

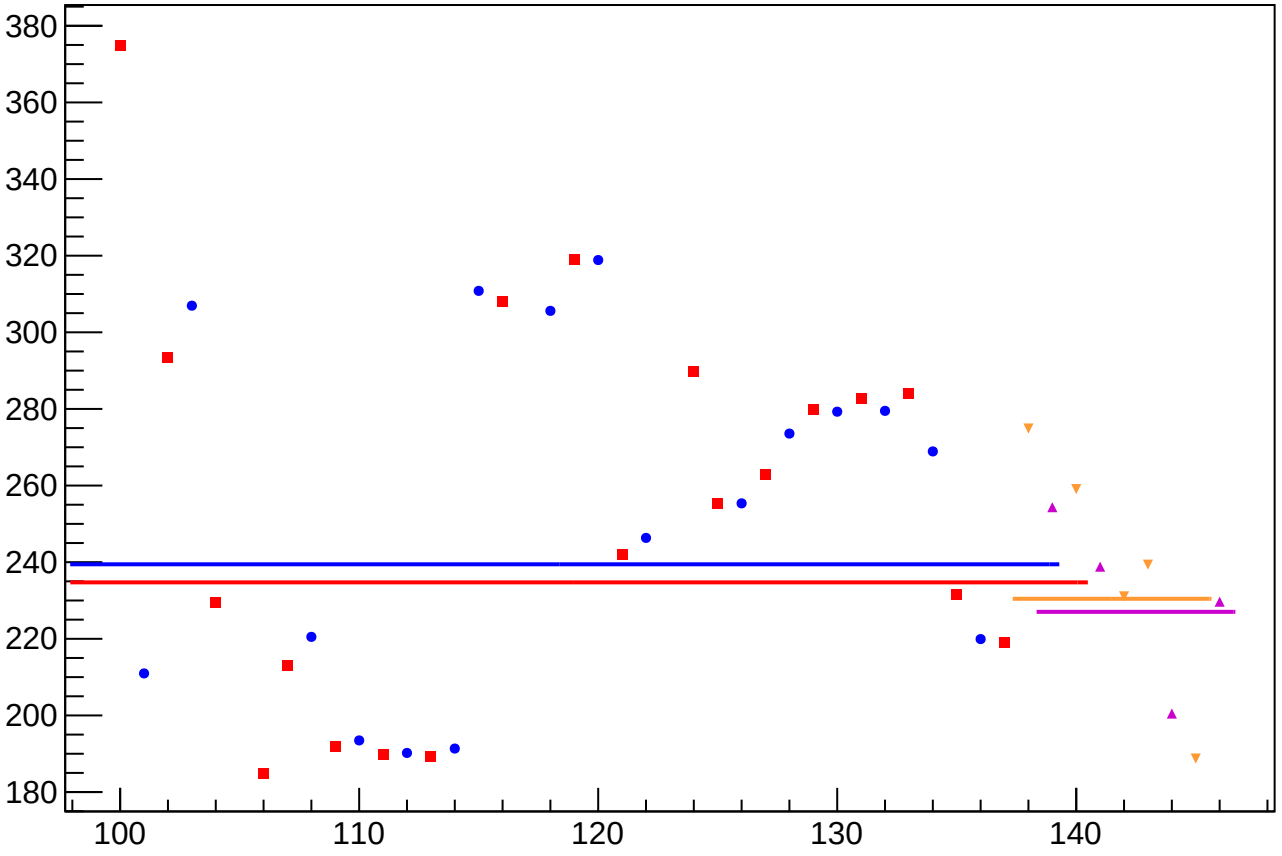
Left In: -194.124+/-121.998 χ^2/NDF:1.0/3

+ sign 132.363+/-72.660 χ^2/NDF: 29.3/20

All: -44.420+/-50.901 χ^2/NDF: 53.4/43

- sign -214.784+/-71.328 χ^2/NDF: 12.5/22

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 230.449+/-0.086 χ^2/NDF:141512.4/4

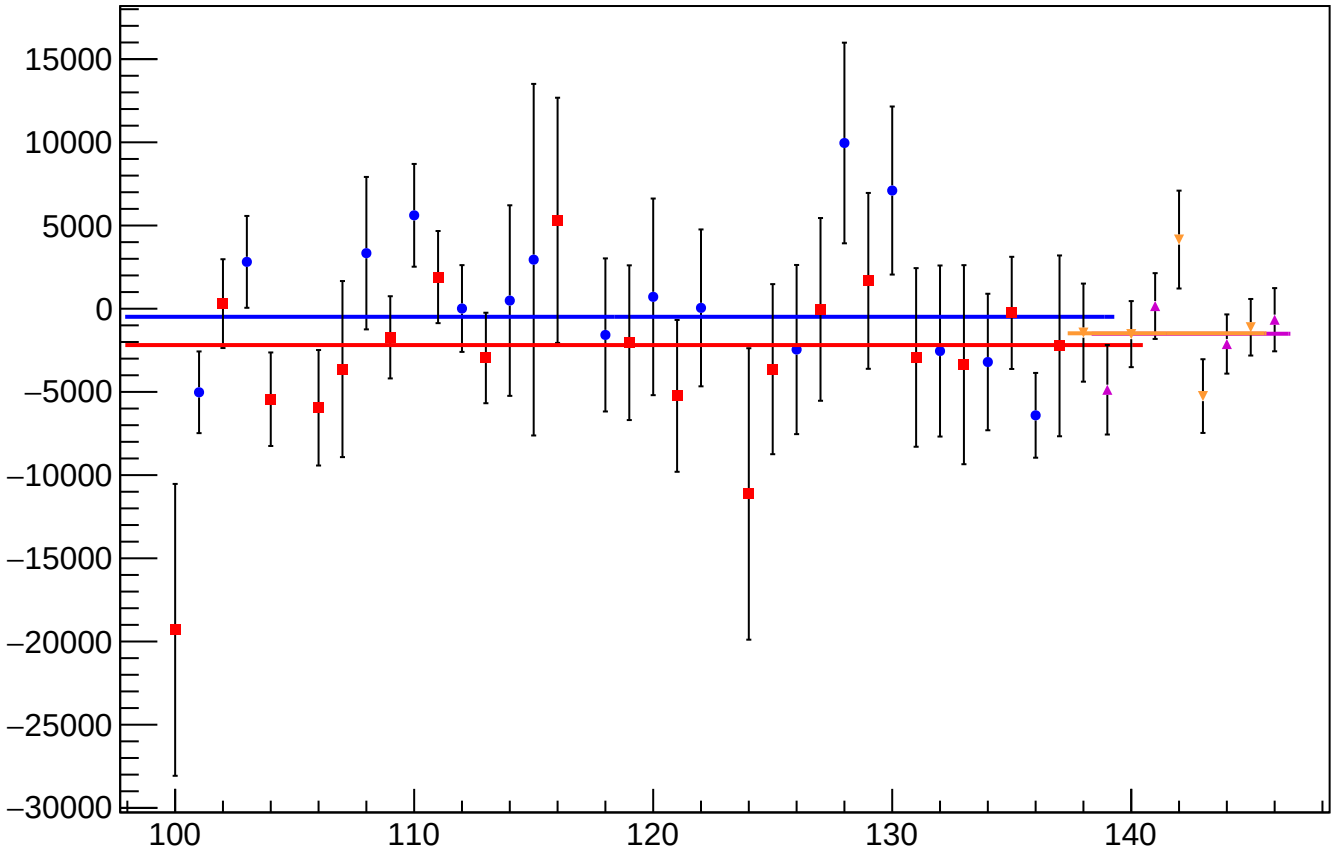
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

+ sign 236.235+/-0.051 χ^2/NDF: 549515.6/20

All: 234.131+/-0.036 χ^2/NDF: 1098181.6/43

- sign 232.103+/-0.050 χ^2/NDF: 545371.9/22



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1477.748+/-983.246 χ^2/NDF:6.6/4

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

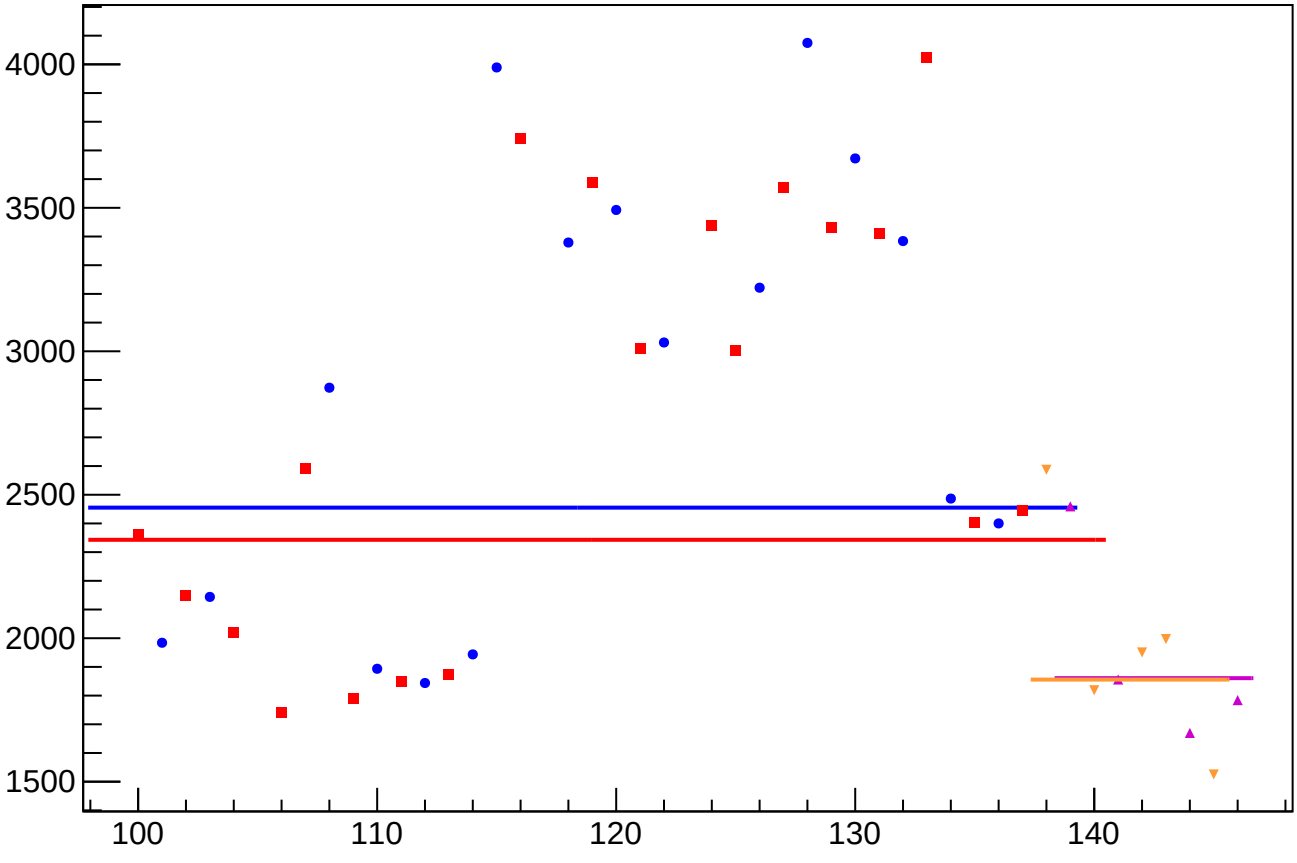
Left In: -1504.348+/-1006.575 χ^2/NDF:2.6/3

+ sign -963.555+/-682.259 χ^2/NDF: 28.3/20

All: -1432.698+/-477.747 χ^2/NDF: 45.3/43

- sign -1884.058+/-669.203 χ^2/NDF: 16.1/22

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1855.806+/-0.695 χ^2/NDF:209650.5/4

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

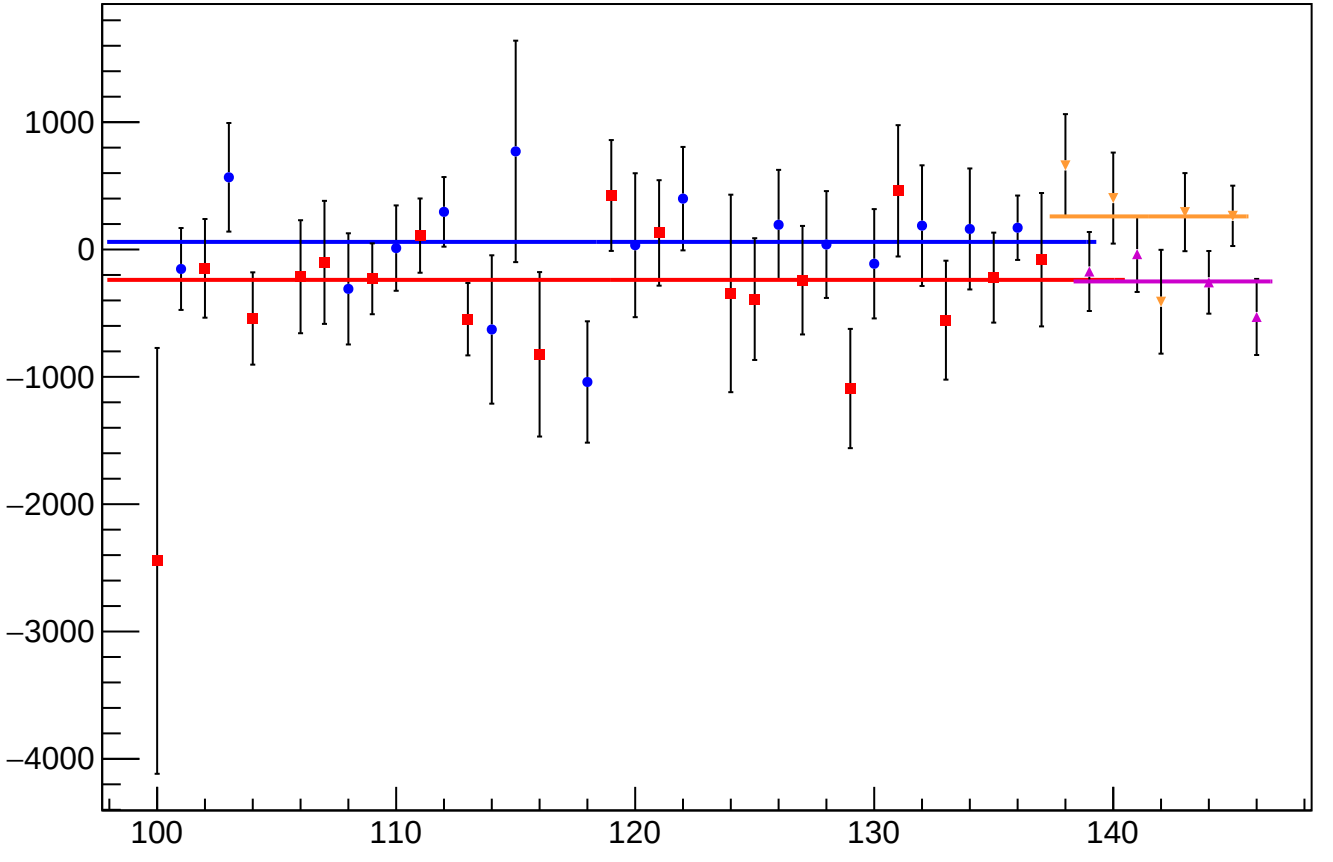
Left In: 1860.780+/-0.712 χ^2/NDF:125294.9/3

+ sign 2166.569+/-0.482 χ^2/NDF: 1489305.4/20

All: 2147.846+/-0.338 χ^2/NDF: 2944026.6/43

- sign 2129.833+/-0.473 χ^2/NDF: 1451765.9/22

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 259.861+/-143.664 χ^2/NDF:3.9/4

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

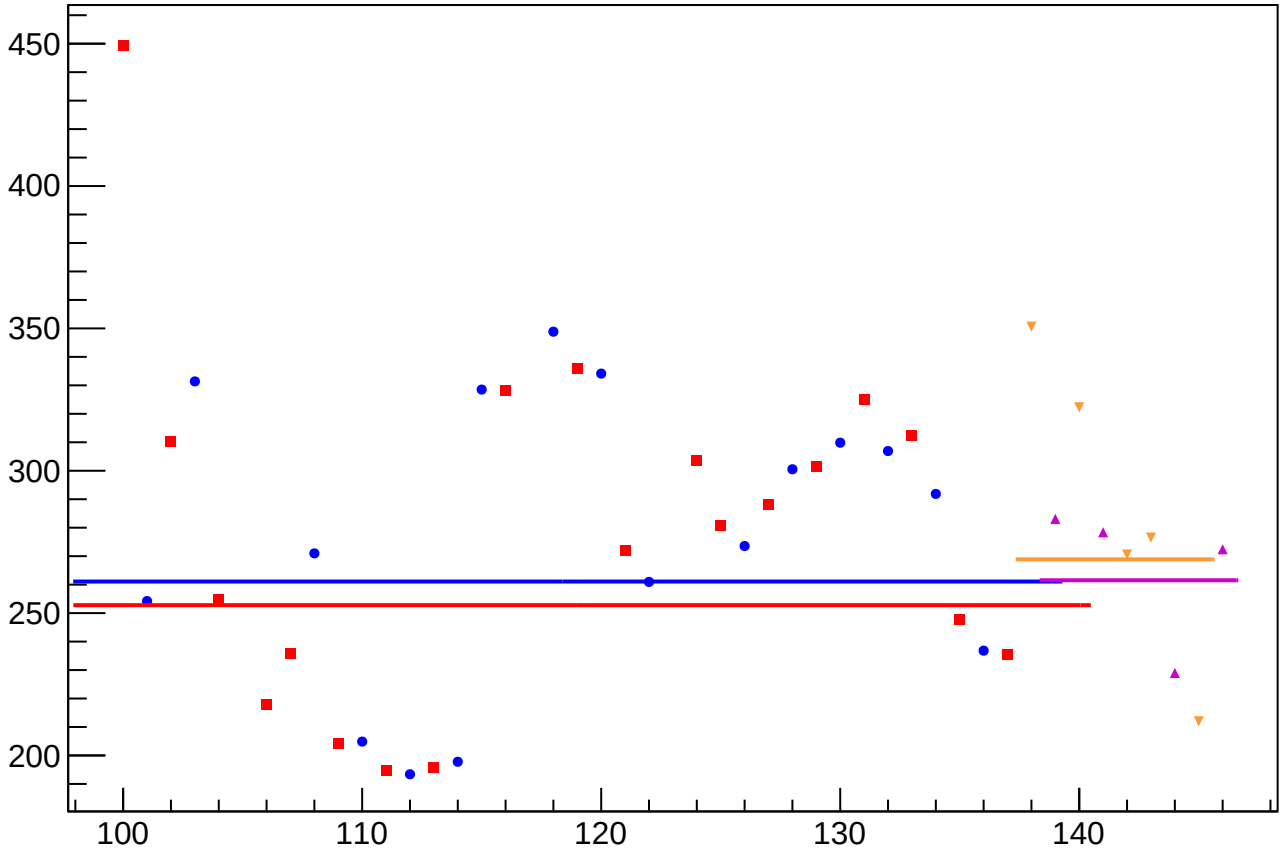
Left In: -250.823+/-142.241 χ^2/NDF:1.5/3

+ sign 124.368+/-81.647 χ^2/NDF: 17.2/20

All: -64.930+/-56.788 χ^2/NDF: 44.0/43

- sign -242.316+/-79.036 χ^2/NDF: 16.4/22

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 268.884+/-0.102 χ^2/NDF:243454.9/4

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

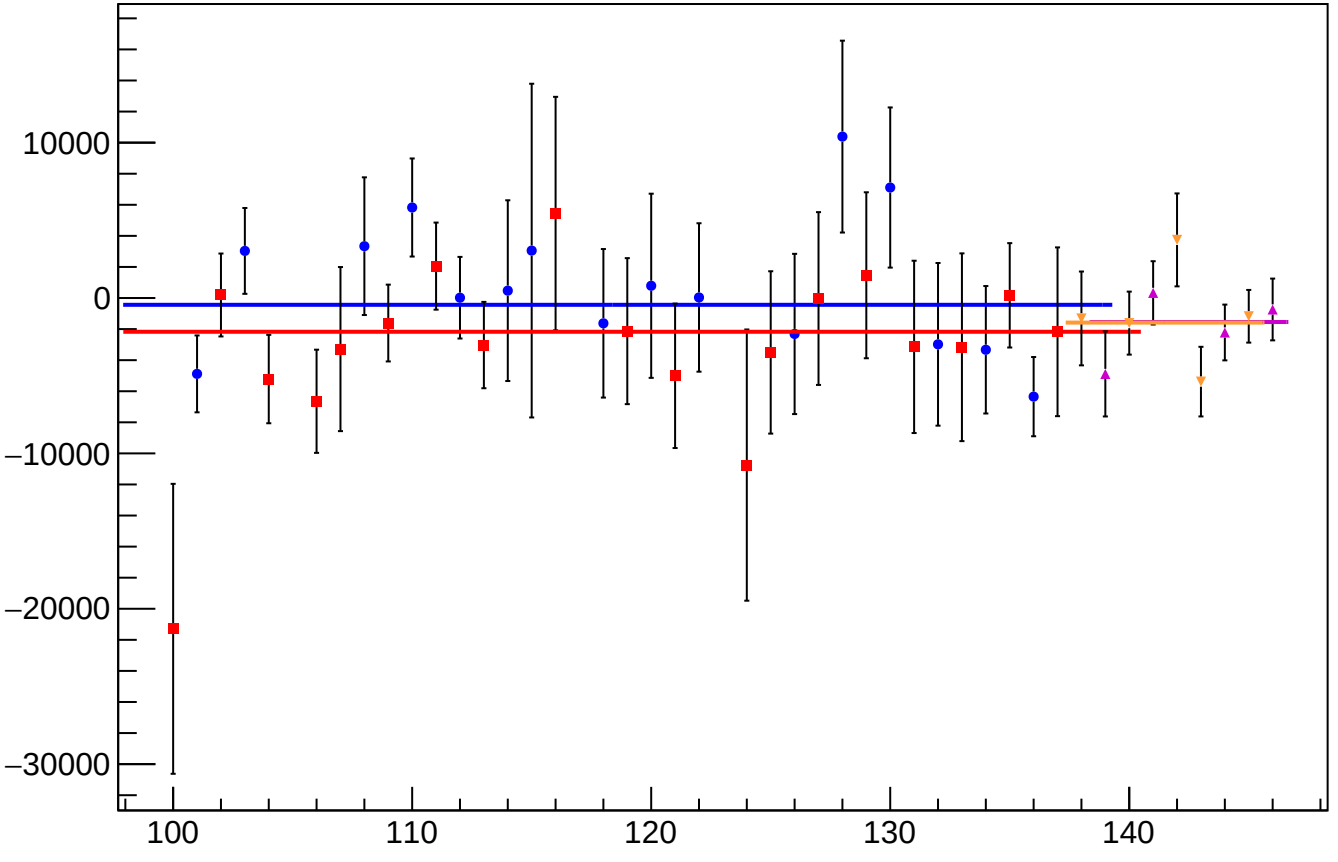
Left In: 261.532+/-0.101 χ^2/NDF:53743.9/3

+ sign 263.607+/-0.058 χ^2/NDF: 710103.6/20

All: 259.415+/-0.040 χ^2/NDF: 1316574.6/43

- sign 255.487+/-0.056 χ^2/NDF: 596260.0/22

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -1580.914+/-994.021 χ^2/NDF:6.1/4

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

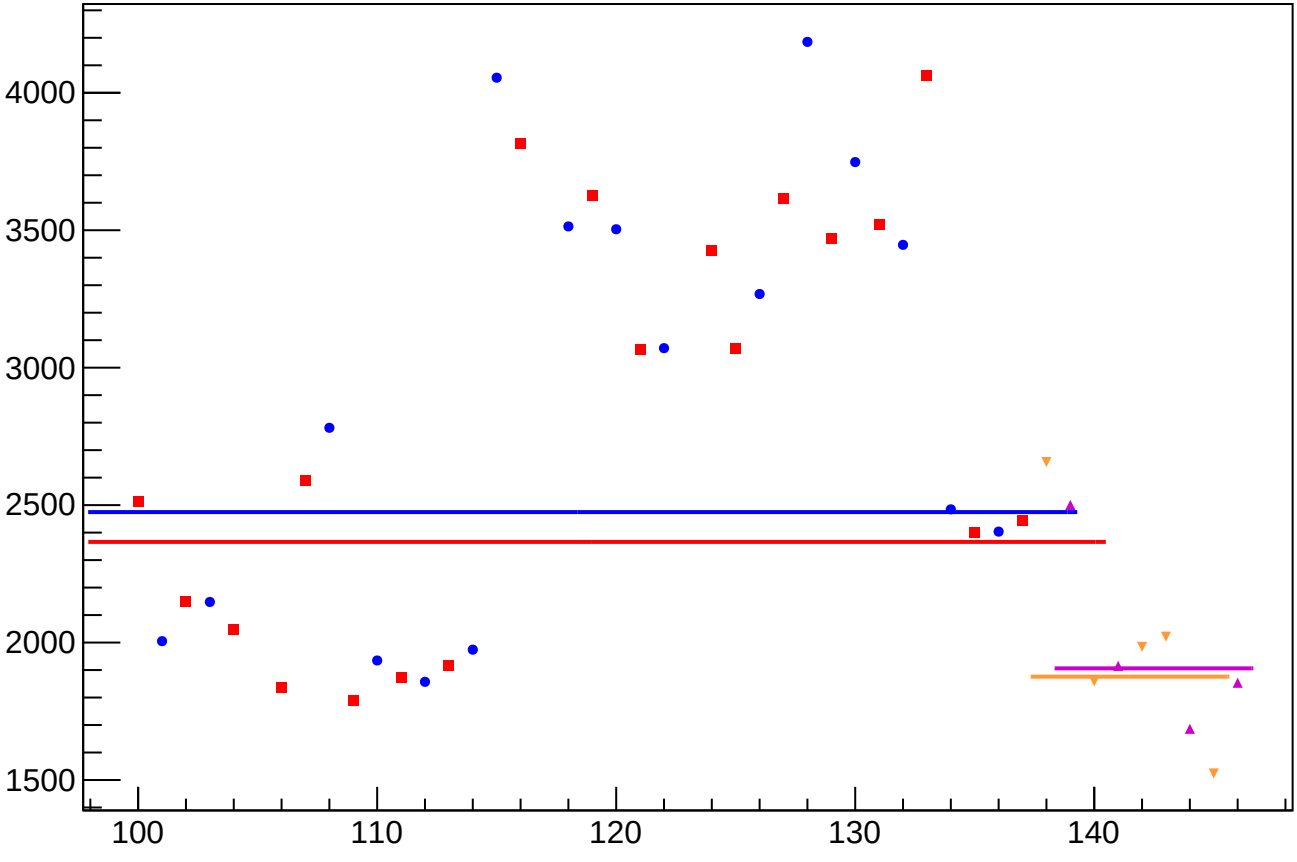
Left In: -1543.982+/-1032.683 χ^2/NDF:2.6/3

+ sign -986.005+/-688.719 χ^2/NDF: 28.0/20

All: -1449.816+/-483.511 χ^2/NDF: 45.7/43

- sign -1900.578+/-678.961 χ^2/NDF: 16.8/22

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1875.951+/-0.703 χ^2/NDF:231220.0/4

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

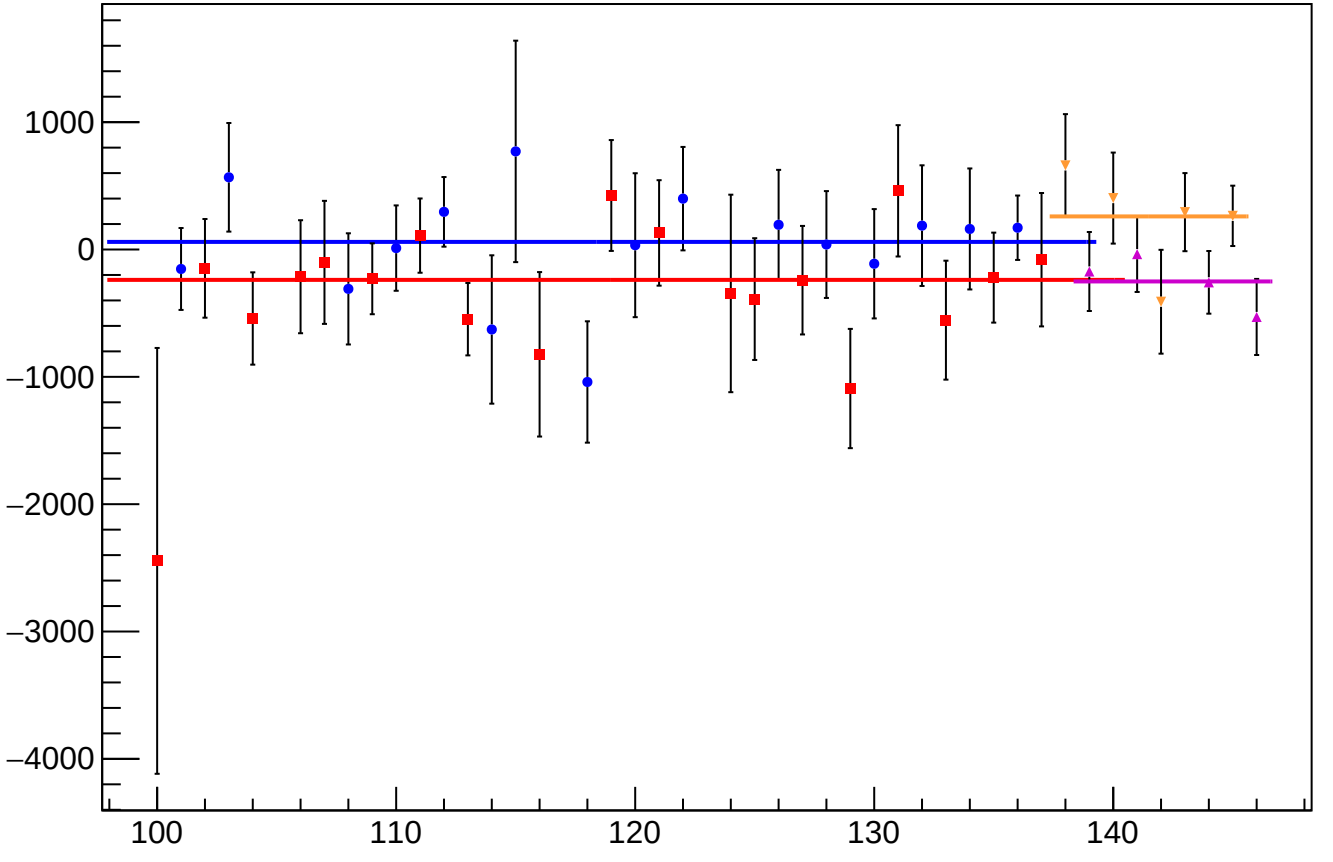
Left In: 1906.167+/-0.730 χ^2/NDF:125833.4/3

+ sign 2187.226+/-0.487 χ^2/NDF: 1524670.3/20

All: 2177.148+/-0.342 χ^2/NDF: 2953872.6/43

- sign 2167.353+/-0.480 χ^2/NDF: 1428357.8/22

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 259.862+/-143.665 χ^2/NDF:3.9/4

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

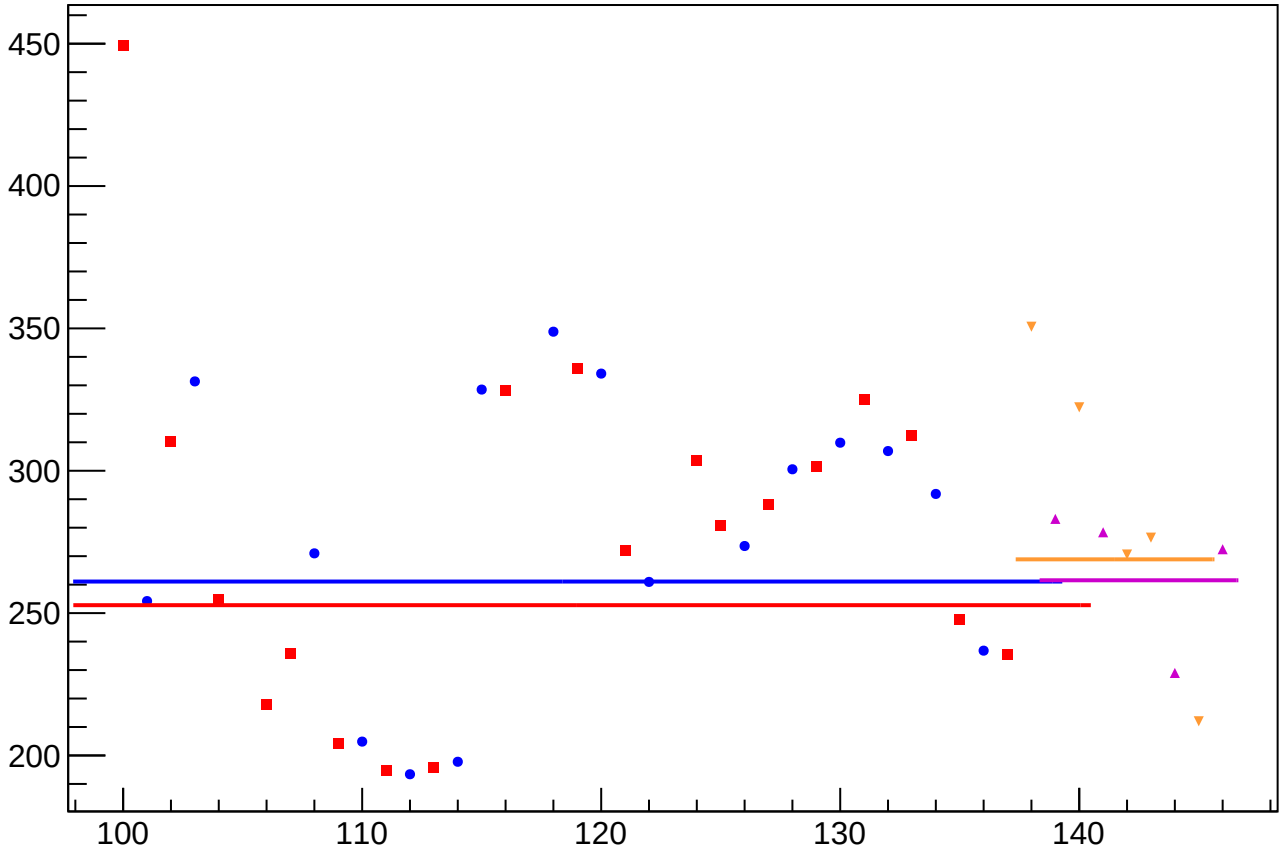
Left In: -250.823+/-142.241 χ^2/NDF:1.5/3

+ sign 124.372+/-81.647 χ^2/NDF: 17.2/20

All: -64.928+/-56.788 χ^2/NDF: 44.0/43

- sign -242.315+/-79.036 χ^2/NDF: 16.4/22

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 268.885+/-0.102 χ^2/NDF:243450.8/4

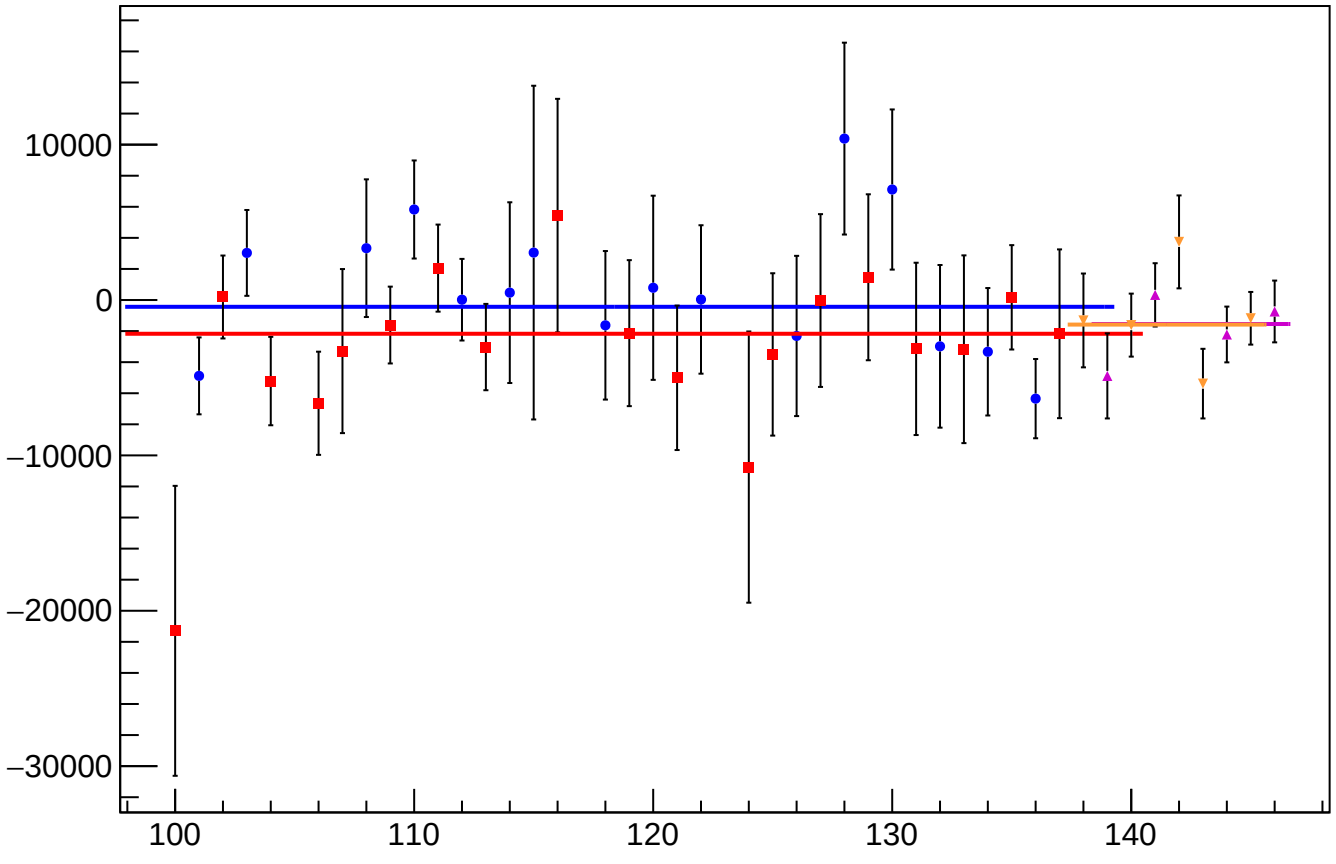
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 261.533+/-0.101 χ^2/NDF:53742.7/3

+ sign 263.607+/-0.058 χ^2/NDF: 710102.9/20

All: 259.415+/-0.040 χ^2/NDF: 1316576.7/43

- sign 255.487+/-0.056 χ^2/NDF: 596262.6/22



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -1580.914+/-994.019 χ^2/NDF:6.1/4

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

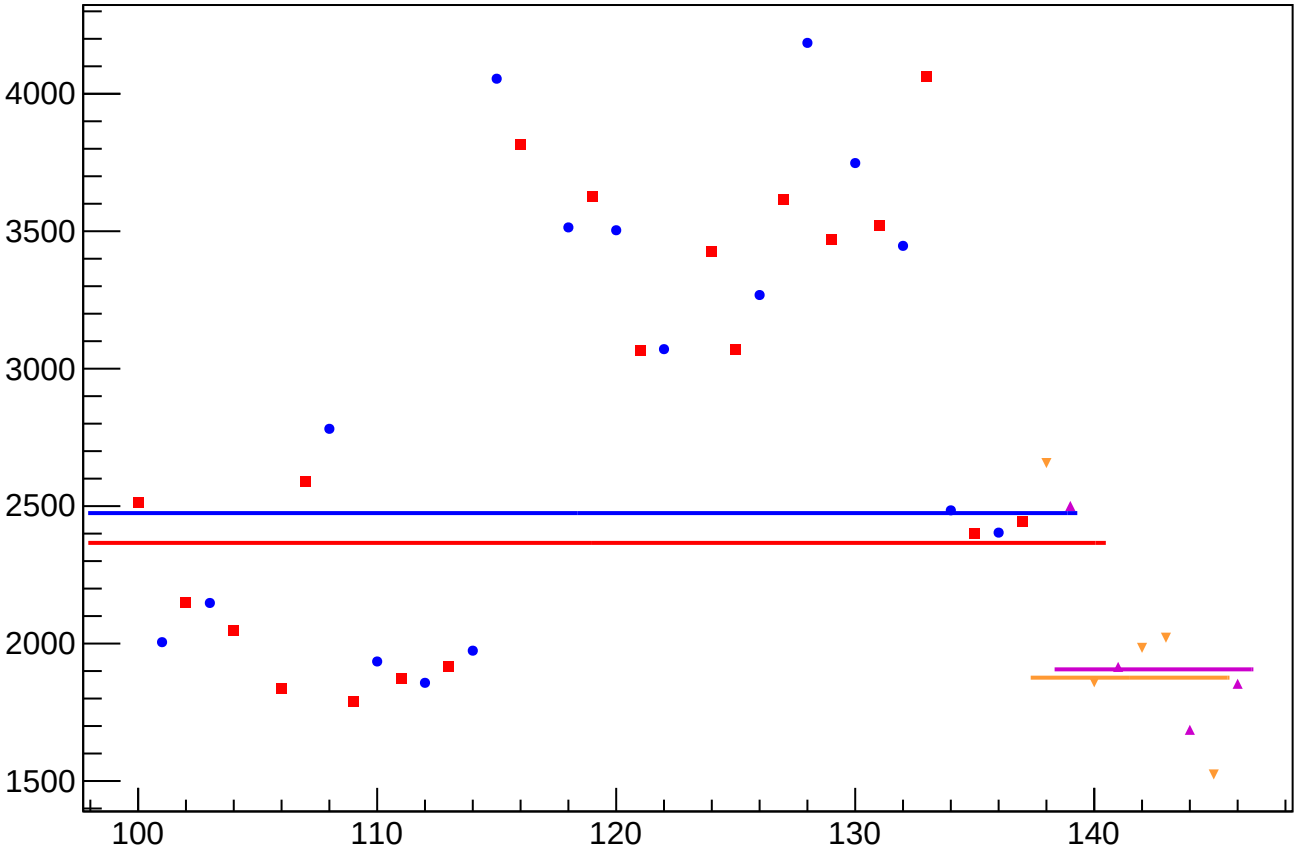
Left In: -1543.982+/-1032.682 χ^2/NDF:2.6/3

+ sign -986.005+/-688.718 χ^2/NDF: 28.0/20

All: -1449.816+/-483.510 χ^2/NDF: 45.7/43

- sign -1900.577+/-678.960 χ^2/NDF: 16.8/22

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1875.947+/-0.703 χ^2/NDF:231221.5/4

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

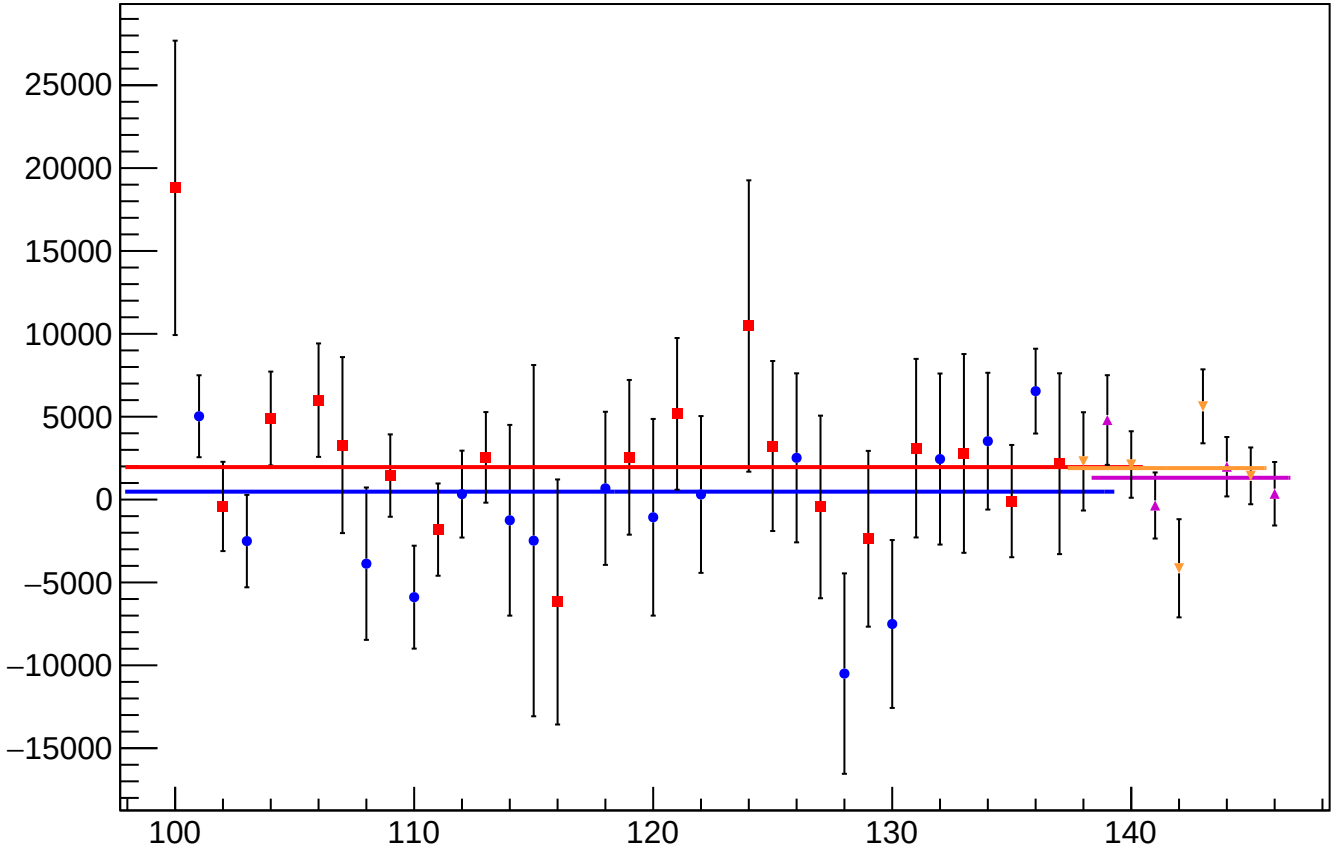
Left In: 1906.166+/-0.730 χ^2/NDF:125833.2/3

+ sign 2187.223+/-0.487 χ^2/NDF: 1524678.5/20

All: 2177.145+/-0.342 χ^2/NDF: 2953882.5/43

- sign 2167.352+/-0.480 χ^2/NDF: 1428359.7/22

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 1899.554+/-991.119 χ^2/NDF:7.1/4

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

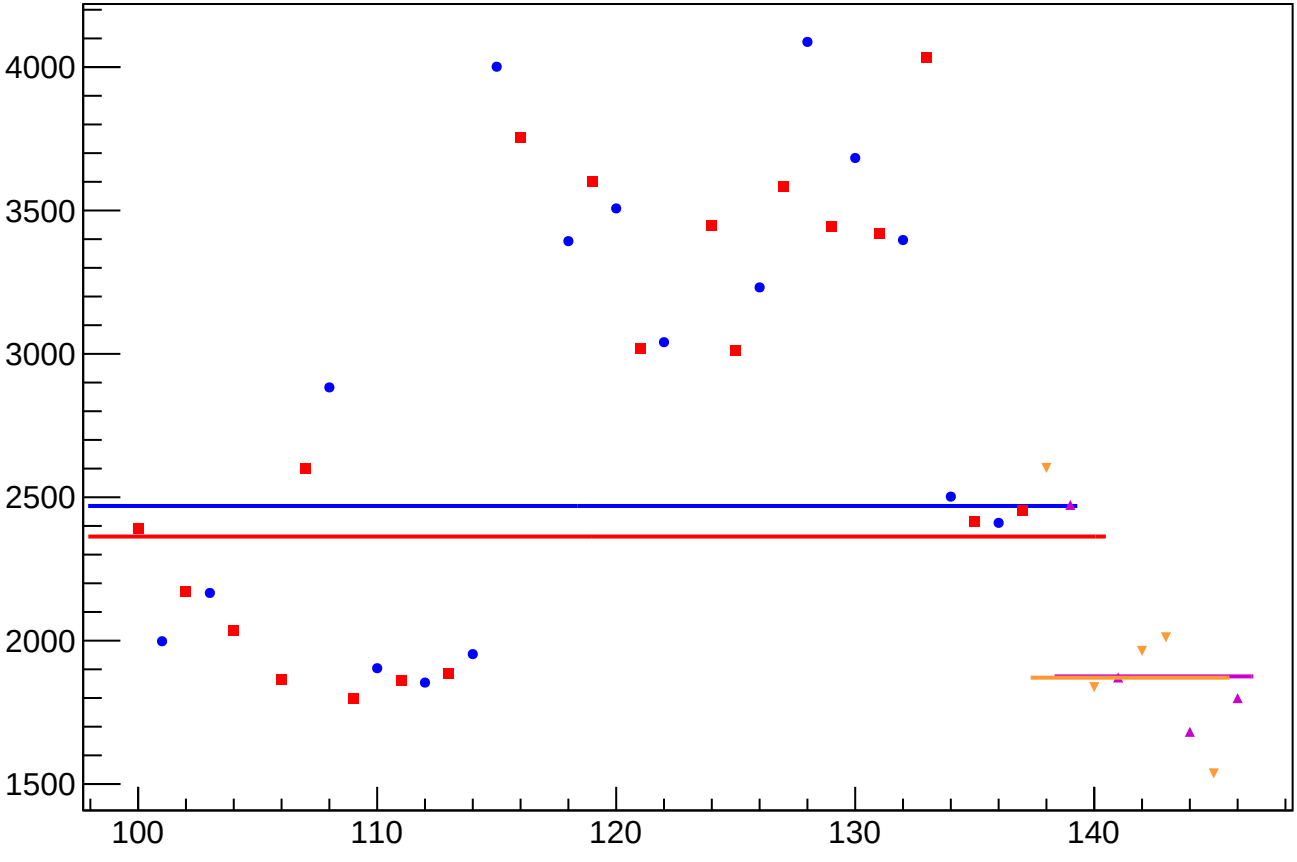
Left In: 1315.569+/-1014.307 χ^2/NDF:2.8/3

+ sign 1160.358+/-686.861 χ^2/NDF: 30.2/20

All: 1423.380+/-480.735 χ^2/NDF: 46.3/43

- sign 1675.948+/-673.073 χ^2/NDF: 15.8/22

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1870.892+/-0.701 χ^2/NDF:208175.8/4

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

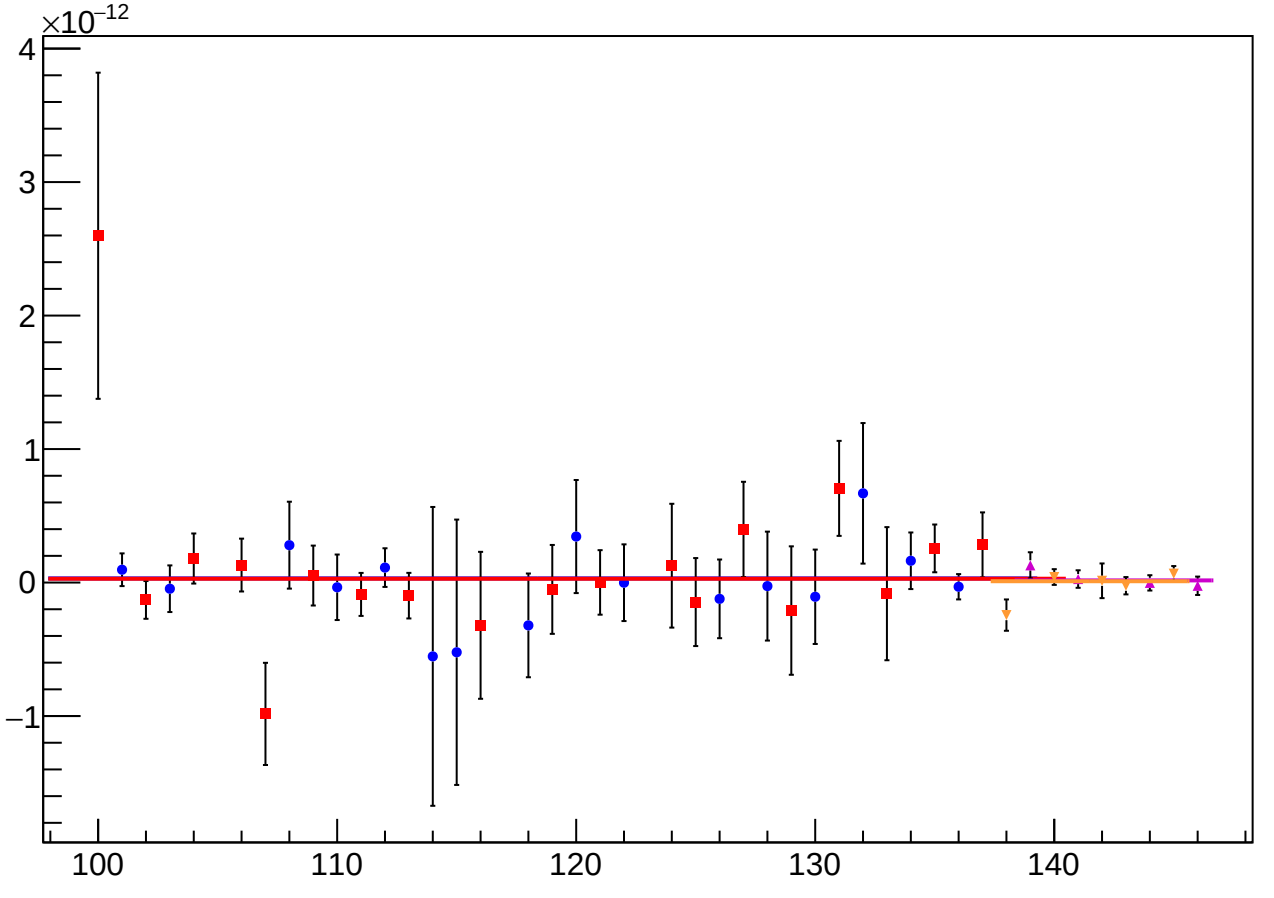
Left In: 1875.358+/-0.717 χ^2/NDF:124060.2/3

+ sign 2182.079+/-0.486 χ^2/NDF: 1473706.3/20

All: 2164.848+/-0.340 χ^2/NDF: 2902348.2/43

- sign 2148.302+/-0.476 χ^2/NDF: 1426174.6/22

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/4

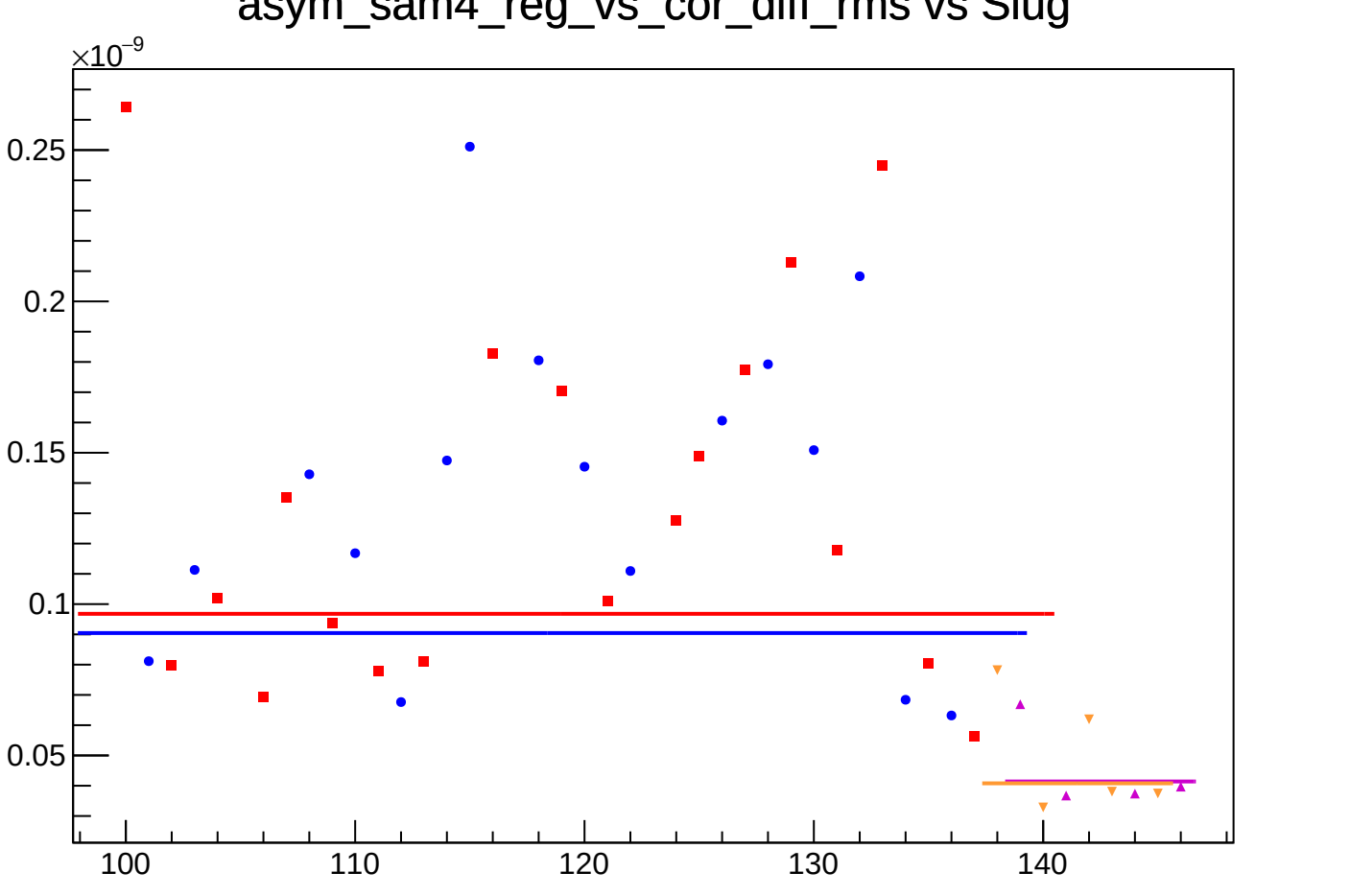
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

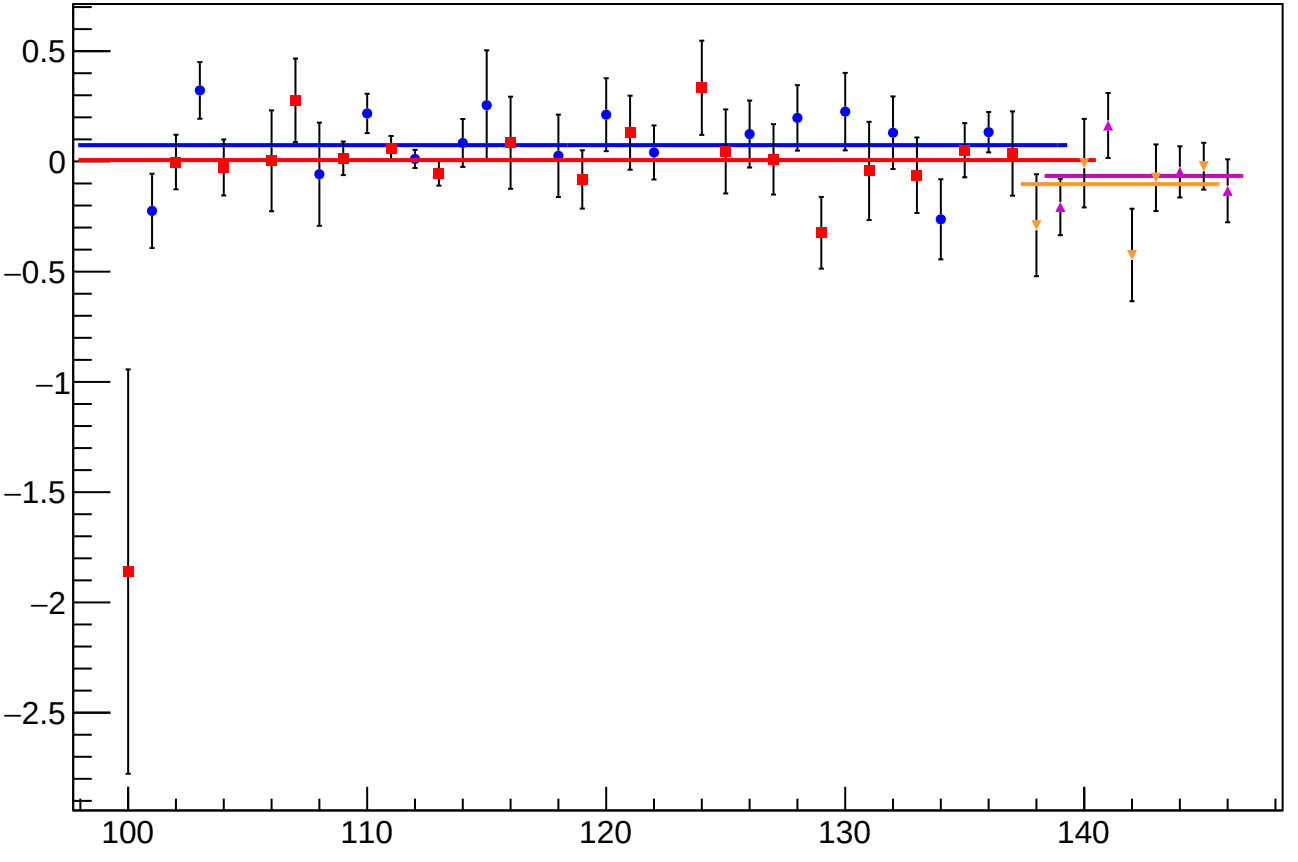
+ sign 0.000+/-0.000 χ^2/NDF: 12.5/20

All: 0.000+/-0.000 χ^2/NDF: 37.5/43

- sign 0.000+/-0.000 χ^2/NDF: 25.0/22


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:303161.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:156348.6/3
+ sign 0.000+/-0.000 χ²/NDF: 2526574.6/20
All: 0.000+/-0.000 χ²/NDF: 4965776.7/43
- sign 0.000+/-0.000 χ²/NDF: 2433301.3/22

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.103+/-0.071 χ^2/NDF:3.8/4

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

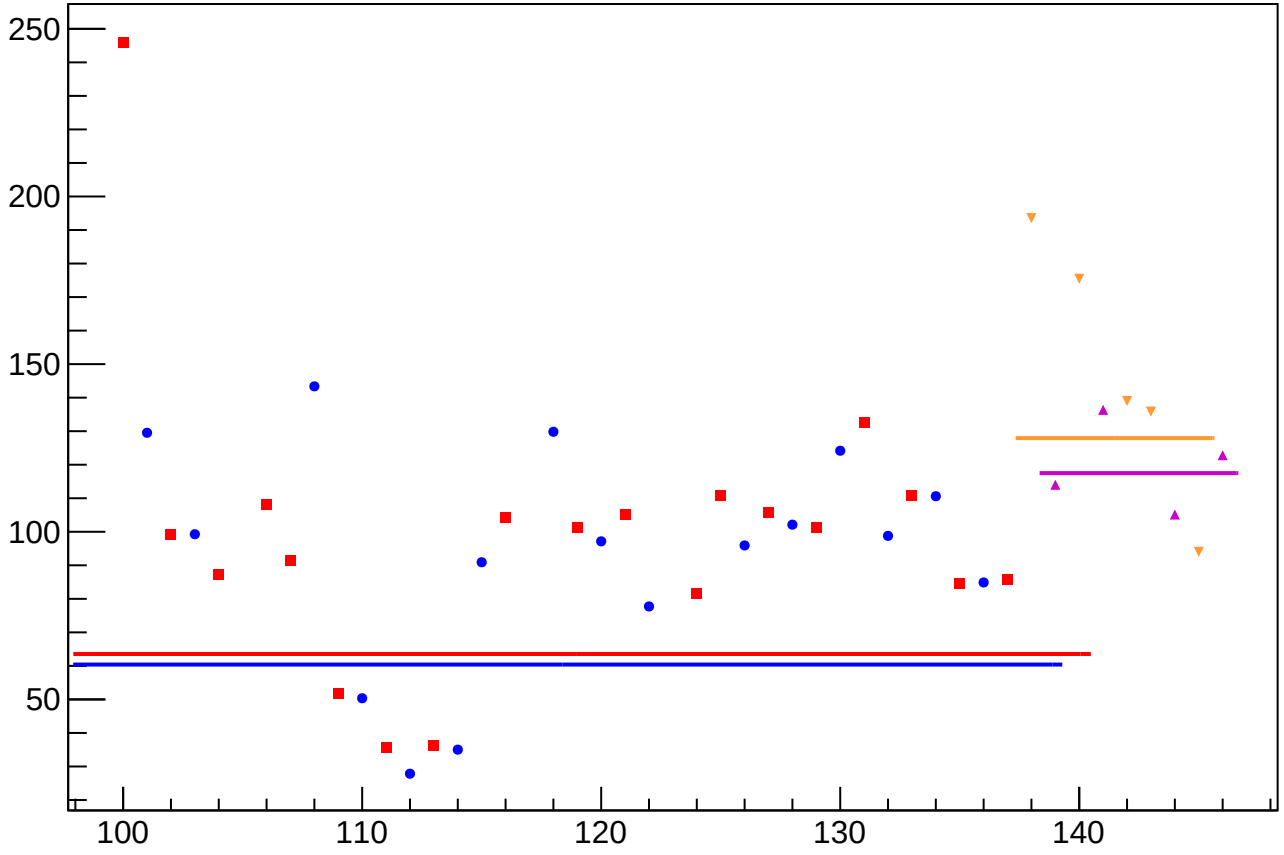
Left In: -0.066+/-0.066 χ^2/NDF:3.9/3

+ sign 0.052+/-0.025 χ^2/NDF: 28.2/20

All: 0.023+/-0.018 χ^2/NDF: 52.0/43

- sign -0.004+/-0.025 χ^2/NDF: 21.3/22

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.943+/-0.050 χ^2/NDF:487666.7/4

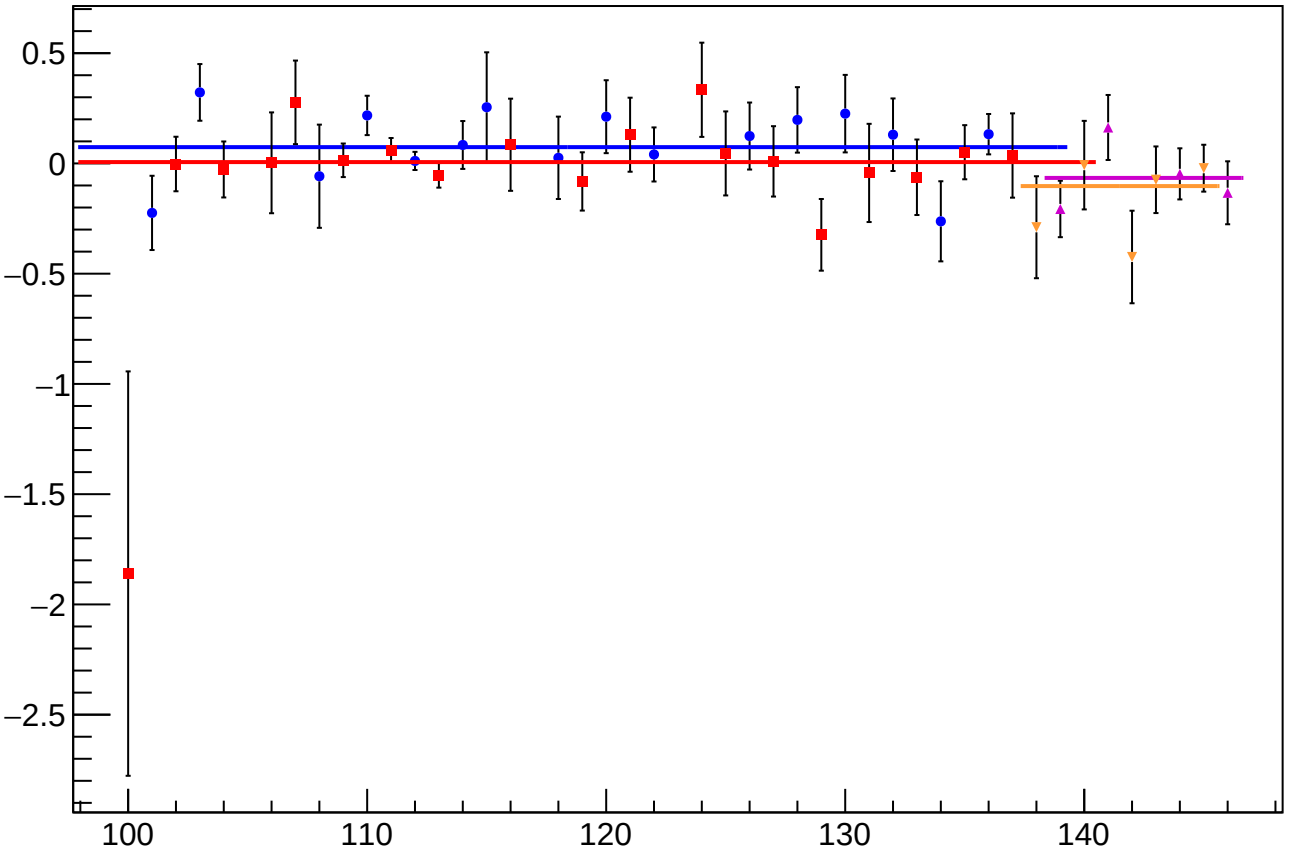
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.503+/-0.047 χ^2/NDF:59754.7/3

\+ sign 68.947+/-0.018 χ^2/NDF: 5607956.2/20

All: 70.107+/-0.013 χ^2/NDF: 9481513.5/43

\- sign 71.232+/-0.018 χ^2/NDF: 3865238.4/22



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.103+/-0.071 χ^2/NDF:3.8/4

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

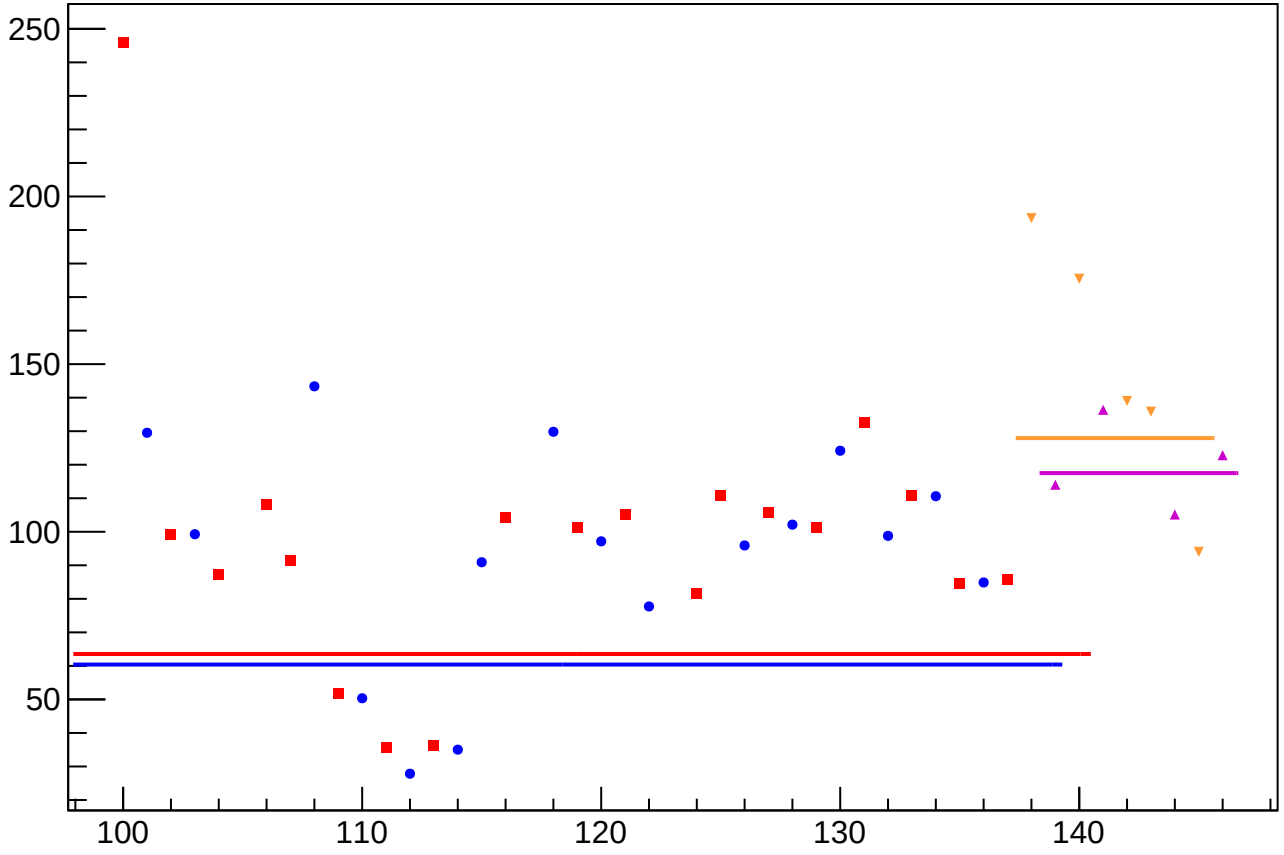
Left In: -0.066+/-0.066 χ^2/NDF:3.9/3

+ sign 0.052+/-0.025 χ^2/NDF: 28.2/20

All: 0.023+/-0.018 χ^2/NDF: 52.0/43

- sign -0.004+/-0.025 χ^2/NDF: 21.3/22

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.943+/-0.050 χ^2/NDF:487666.7/4

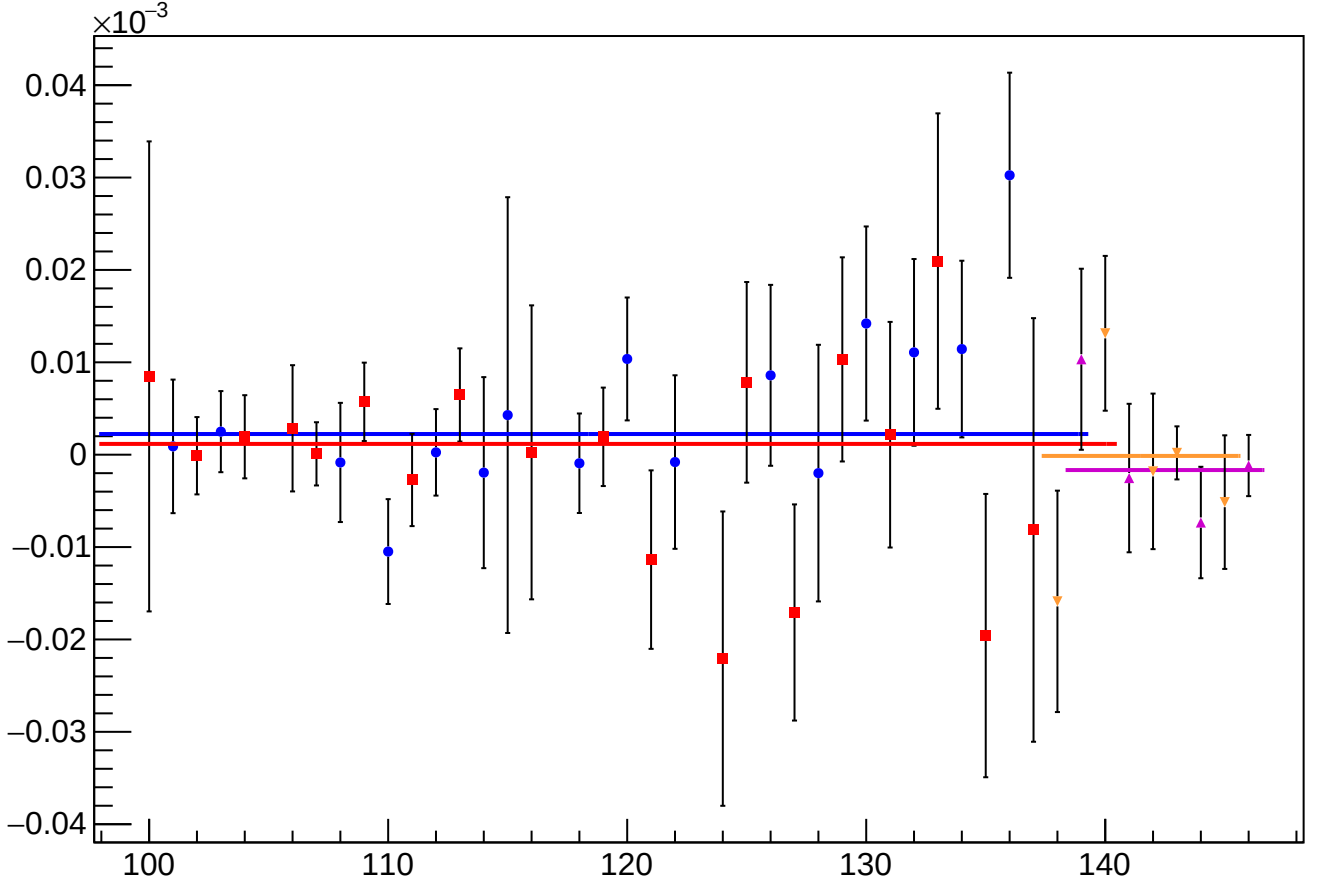
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.503+/-0.047 χ^2/NDF:59754.7/3

\+ sign 68.947+/-0.018 χ^2/NDF: 5607956.2/20

All: 70.107+/-0.013 χ^2/NDF: 9481513.5/43

\- sign 71.232+/-0.018 χ^2/NDF: 3865238.4/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

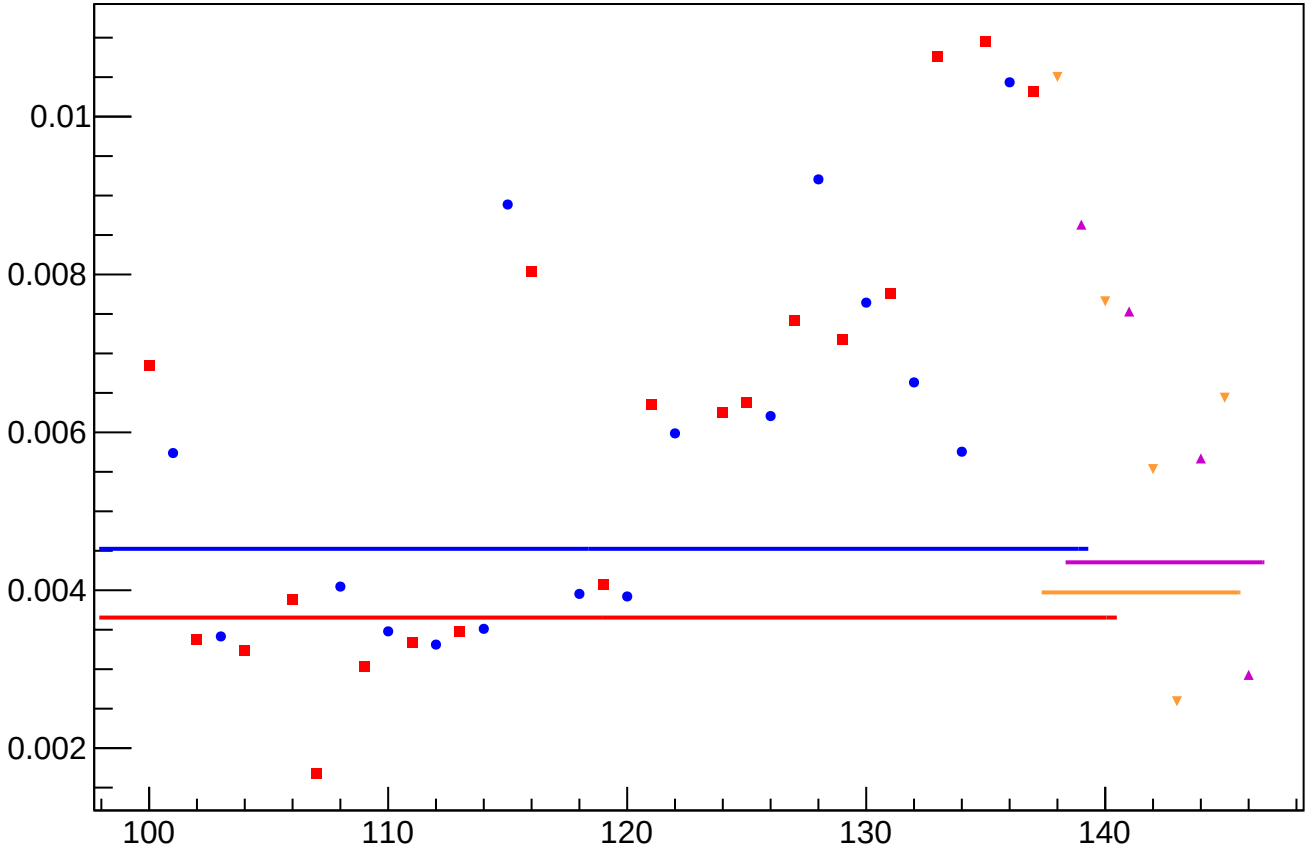
Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/20

All: 0.000+/-0.000 χ^2/NDF: 40.4/43

- sign 0.000+/-0.000 χ^2/NDF: 17.4/22

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1743836.7/4

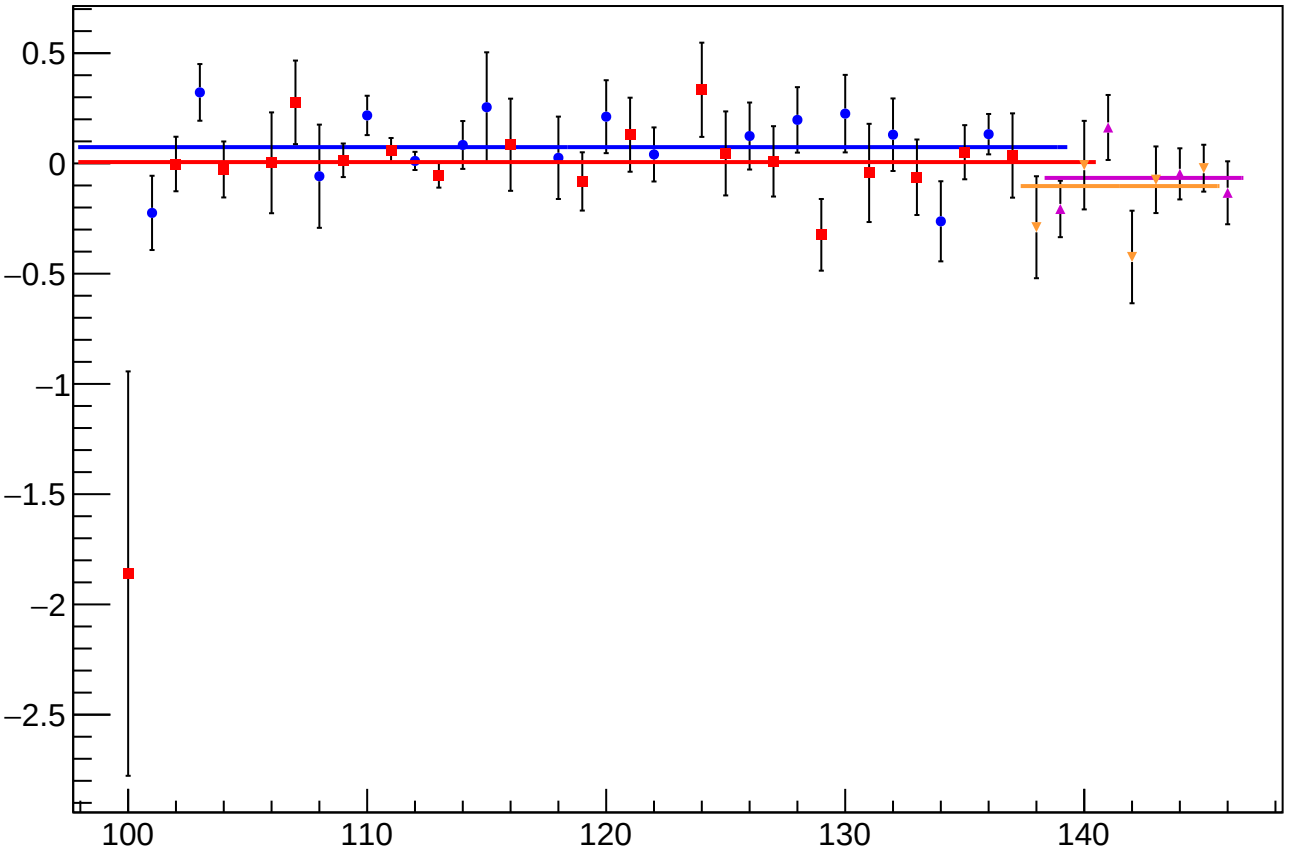
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1159474.3/3

+ sign 0.004+/-0.000 χ^2/NDF: 3533175.2/20

All: 0.004+/-0.000 χ^2/NDF: 7863475.3/43

- sign 0.004+/-0.000 χ^2/NDF: 4199506.8/22



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.103+/-0.071 χ^2/NDF:3.8/4

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

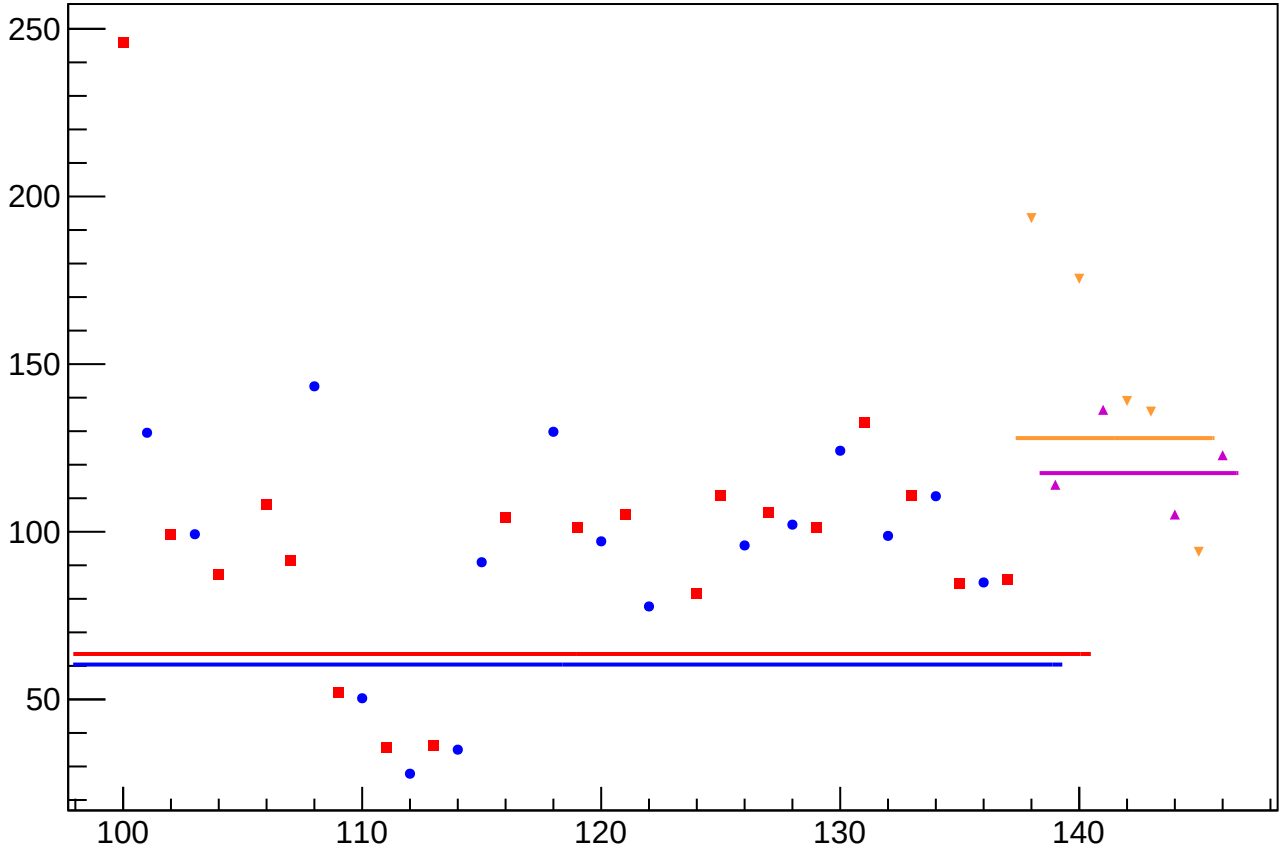
Left In: -0.066+/-0.066 χ^2/NDF:3.9/3

+ sign 0.052+/-0.025 χ^2/NDF: 28.2/20

All: 0.023+/-0.018 χ^2/NDF: 52.0/43

- sign -0.004+/-0.025 χ^2/NDF: 21.3/22

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.945+/-0.050 χ^2/NDF:487636.5/4

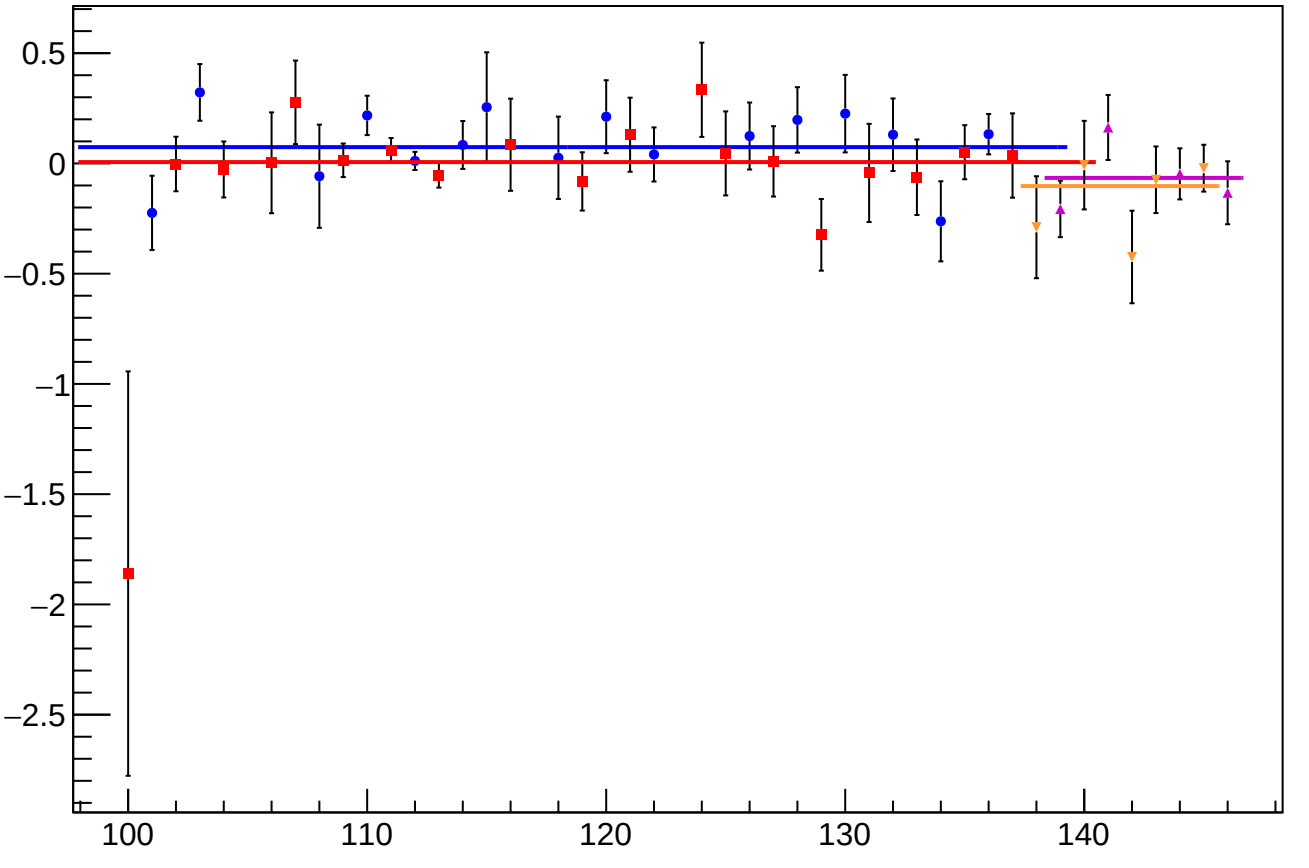
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.504+/-0.047 χ^2/NDF:59756.1/3

+ sign 68.945+/-0.018 χ^2/NDF: 5608339.9/20

All: 70.105+/-0.013 χ^2/NDF: 9482282.8/43

- sign 71.230+/-0.018 χ^2/NDF: 3865621.1/22



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.103+/-0.071 χ^2/NDF:3.8/4

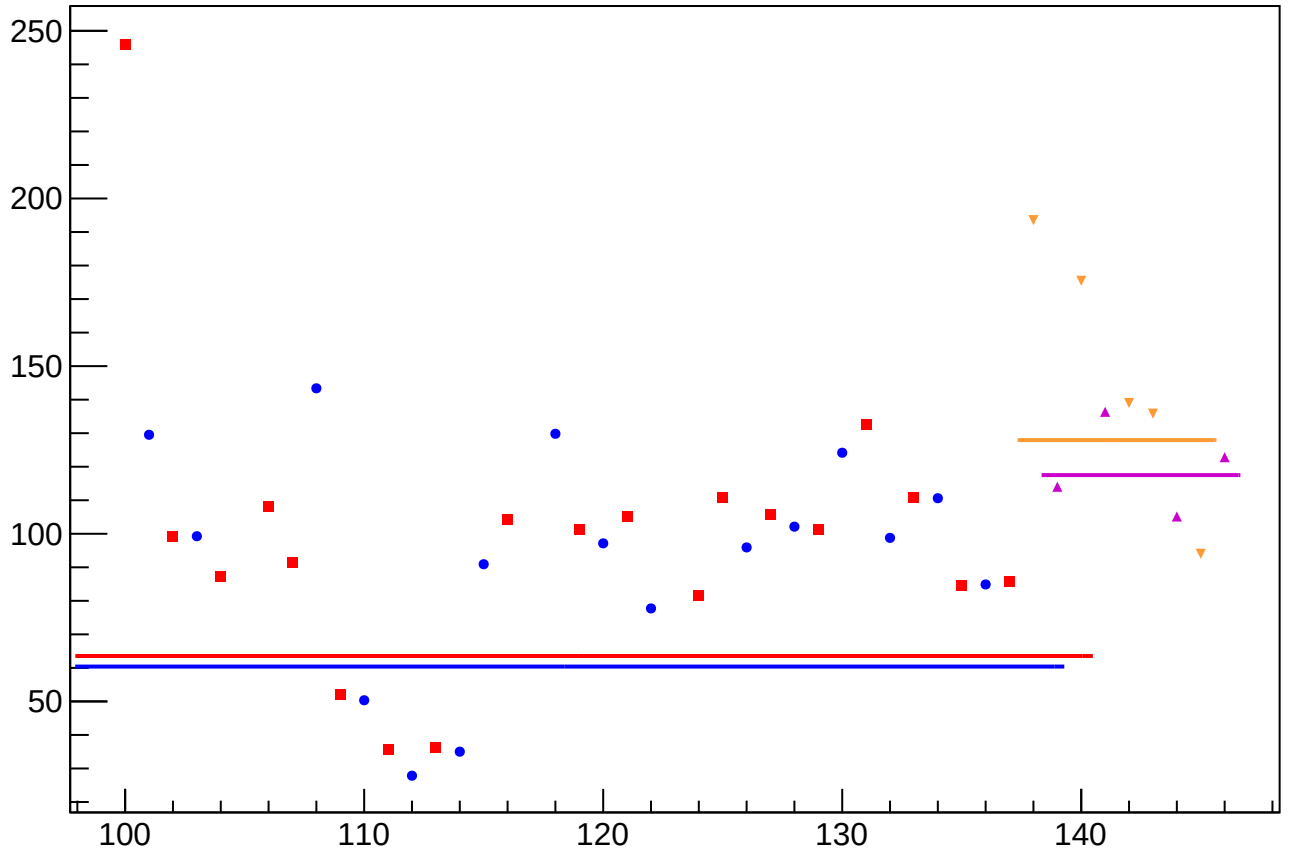
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.066+/-0.066 χ^2/NDF:3.9/3

+ sign 0.052+/-0.025 χ^2/NDF: 28.2/20

All: 0.023+/-0.018 χ^2/NDF: 52.0/43

- sign -0.004+/-0.025 χ^2/NDF: 21.3/22



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.945+/-0.050 χ^2/NDF:487636.5/4

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

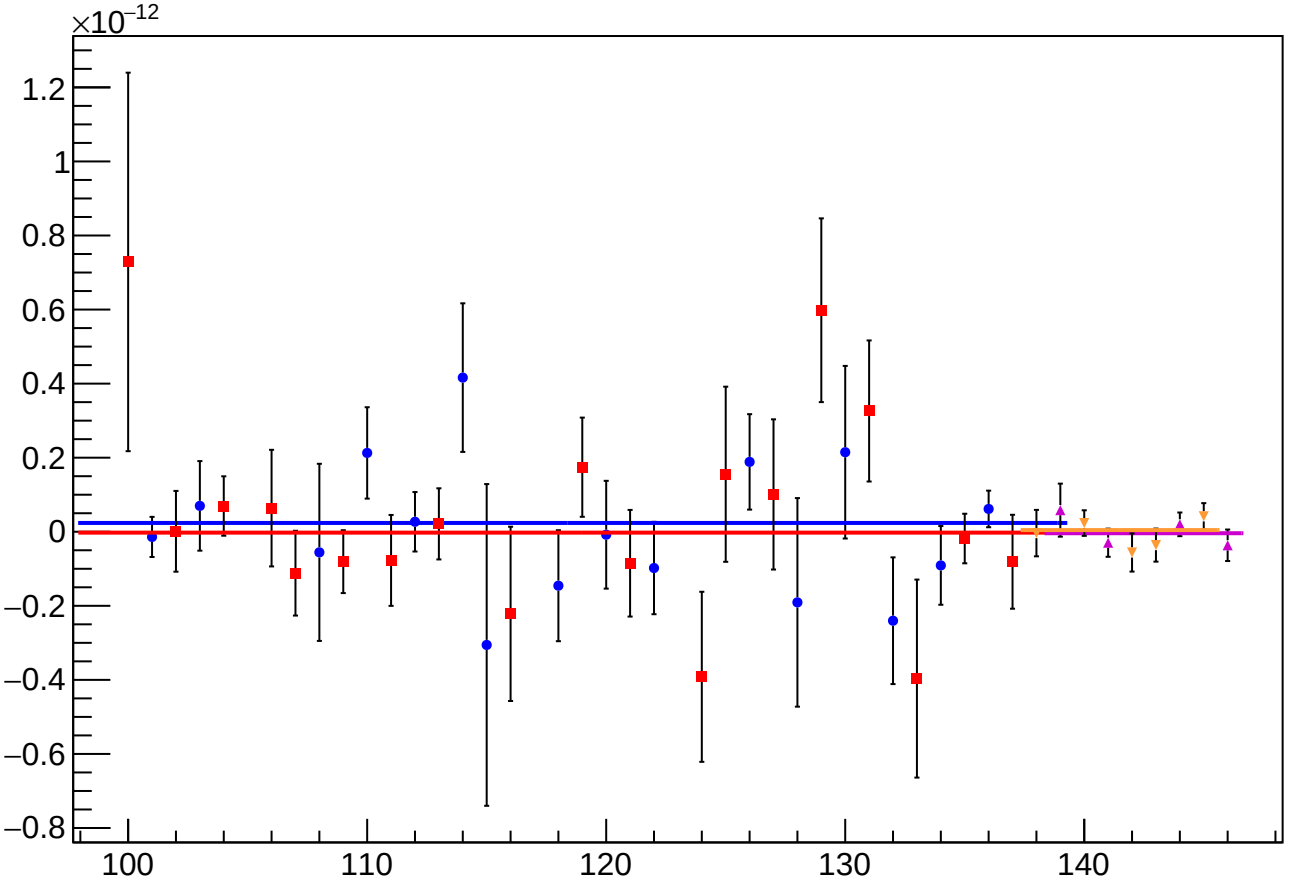
Left In: 117.504+/-0.047 χ^2/NDF:59756.1/3

+ sign 68.945+/-0.018 χ^2/NDF: 5608339.9/20

All: 70.105+/-0.013 χ^2/NDF: 9482282.8/43

- sign 71.230+/-0.018 χ^2/NDF: 3865621.1/22

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:3.6/4

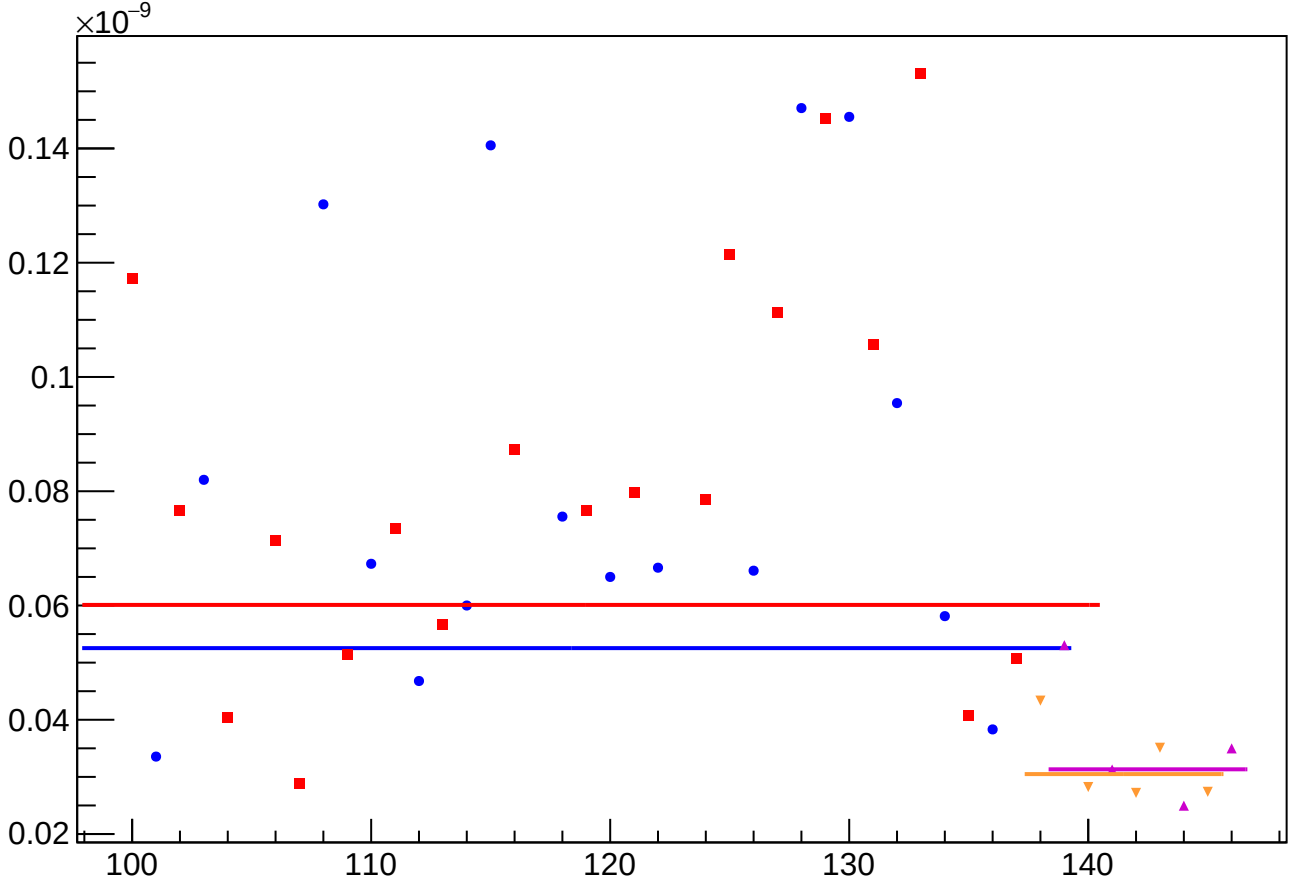
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 20.8/20

All: 0.000+/-0.000 χ^2/NDF: 46.7/43

- sign -0.000+/-0.000 χ^2/NDF: 25.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:137318.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

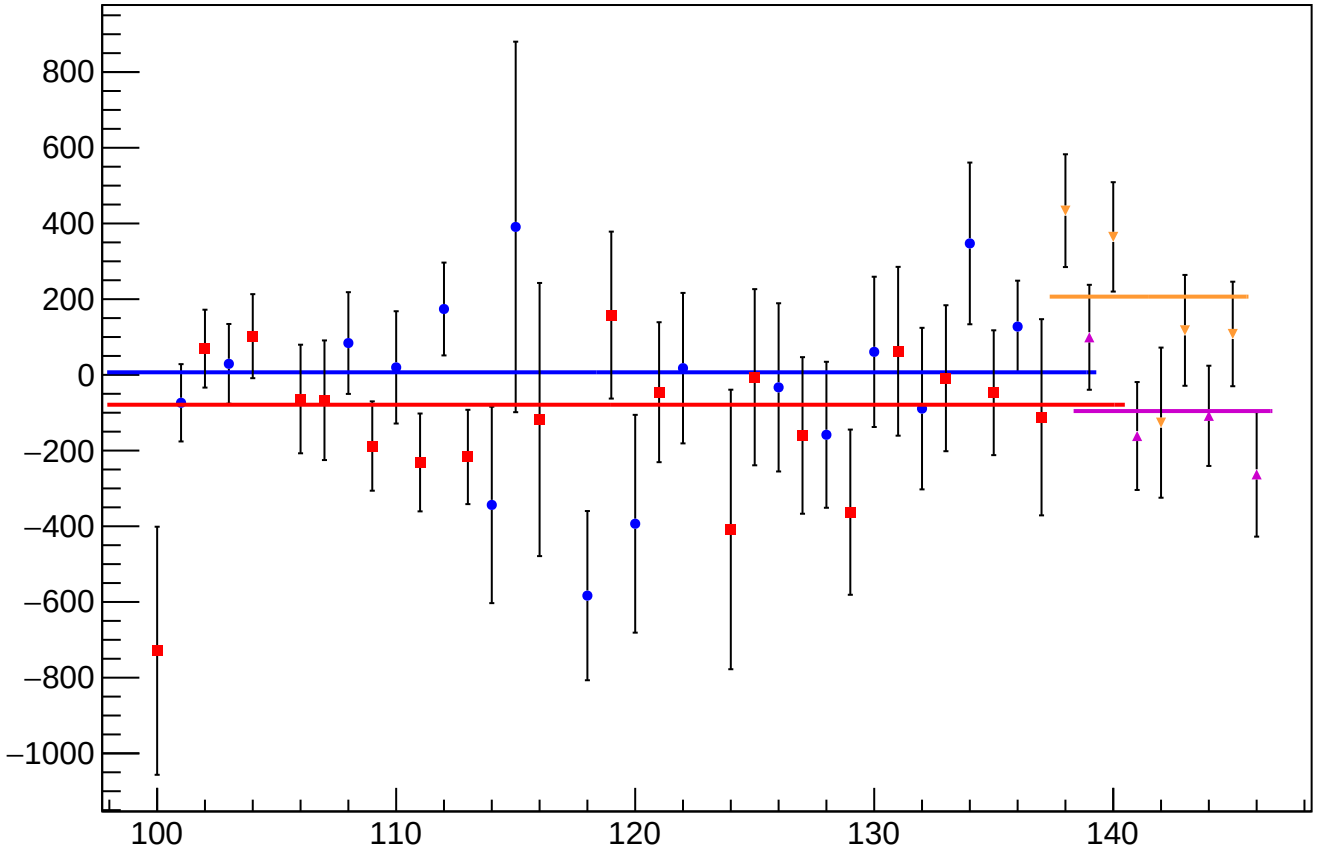
Left In: 0.000+/-0.000 χ^2/NDF:278601.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 2713530.5/20

All: 0.000+/-0.000 χ^2/NDF: 5889104.5/43

- sign 0.000+/-0.000 χ^2/NDF: 3146069.8/22

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 206.709+/-67.816 χ^2/NDF:7.2/4

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

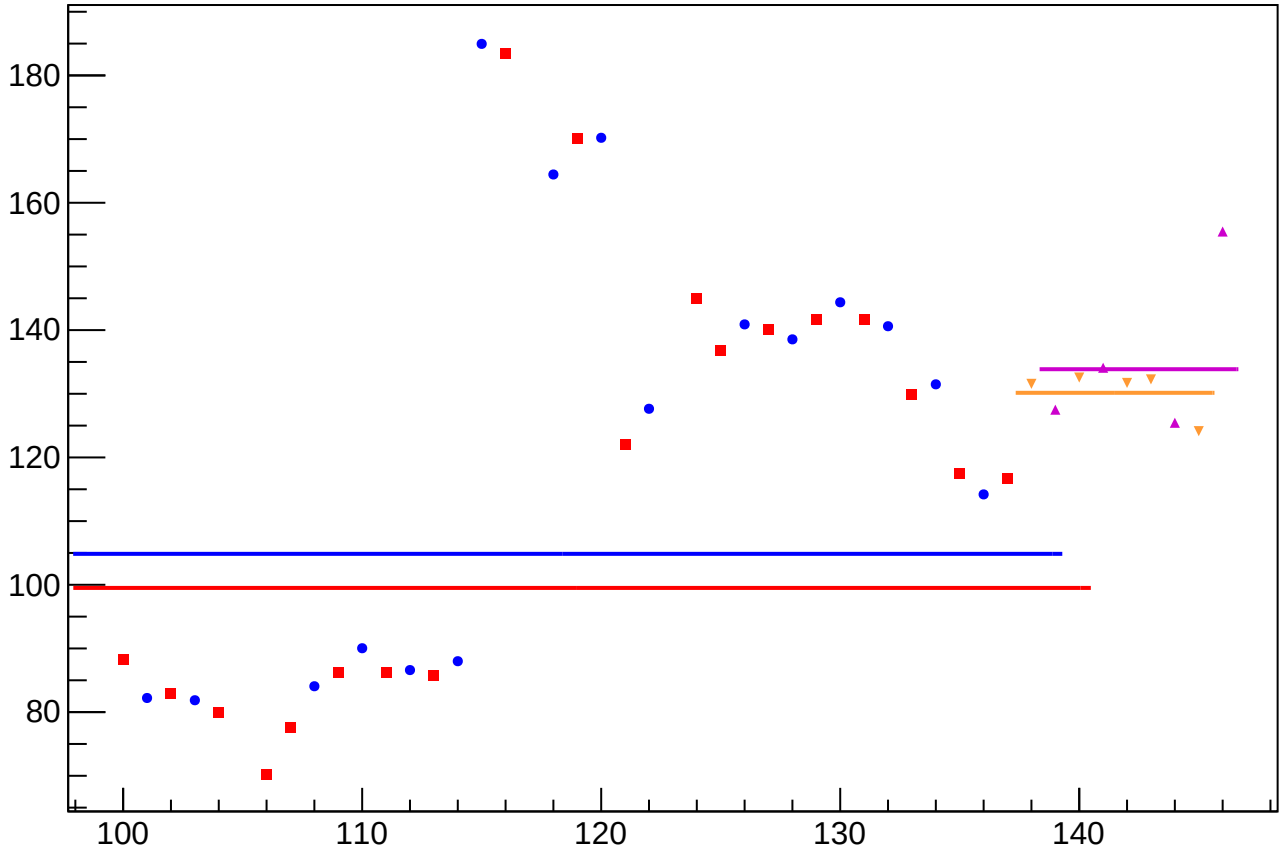
Left In: -95.611+/-71.573 χ^2/NDF:3.2/3

+ sign 59.081+/-34.678 χ^2/NDF: 32.4/20

All: -14.184+/-24.093 χ^2/NDF: 61.0/43

- sign -82.547+/-33.498 χ^2/NDF: 20.0/22

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 130.152+/-0.048 χ^2/NDF:5074.5/4

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

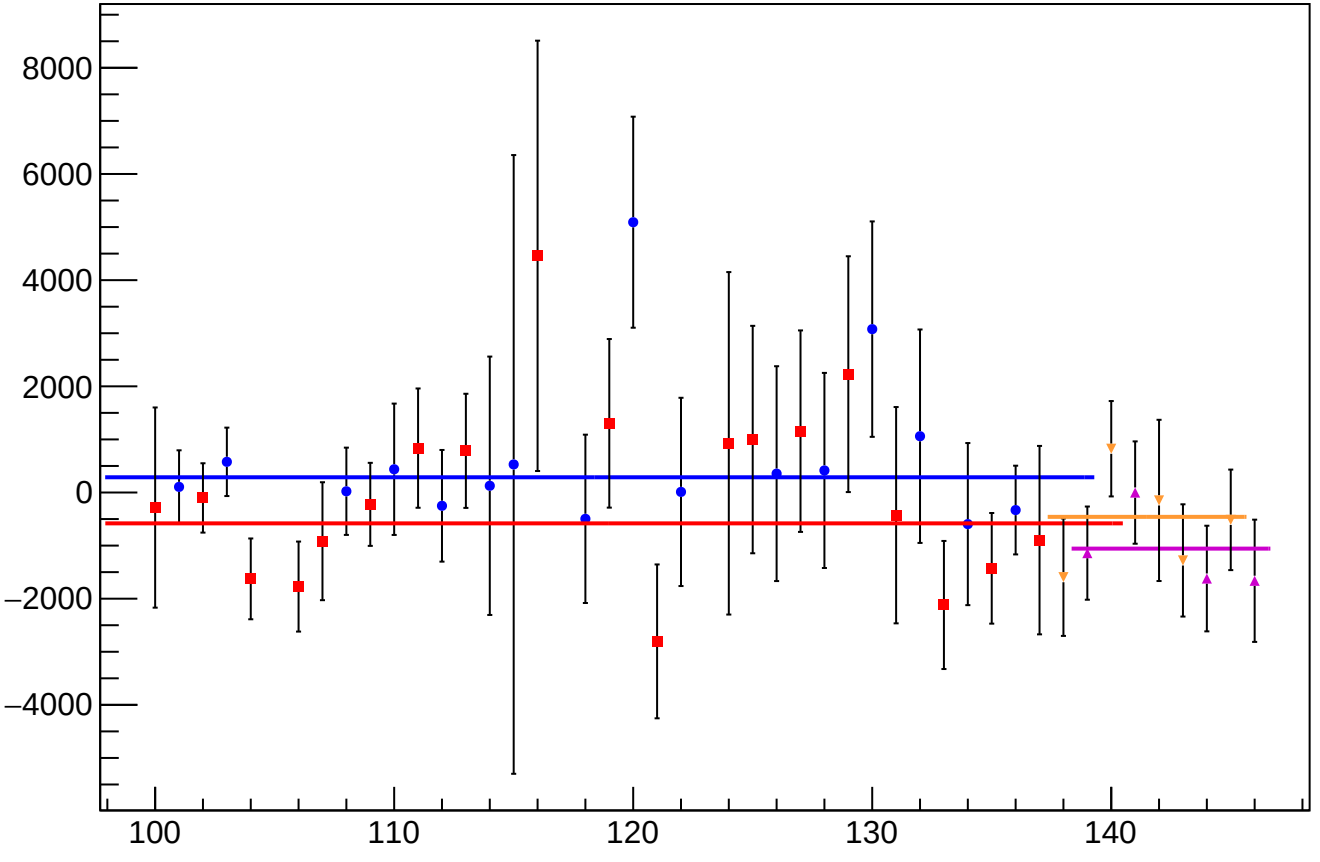
Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

+ sign 111.473+/-0.025 χ^2/NDF: 1141752.1/20

All: 109.176+/-0.017 χ^2/NDF: 2604339.7/43

- sign 107.032+/-0.024 χ^2/NDF: 1445616.8/22

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -458.650+/-471.421 χ^2/NDF:3.7/4

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

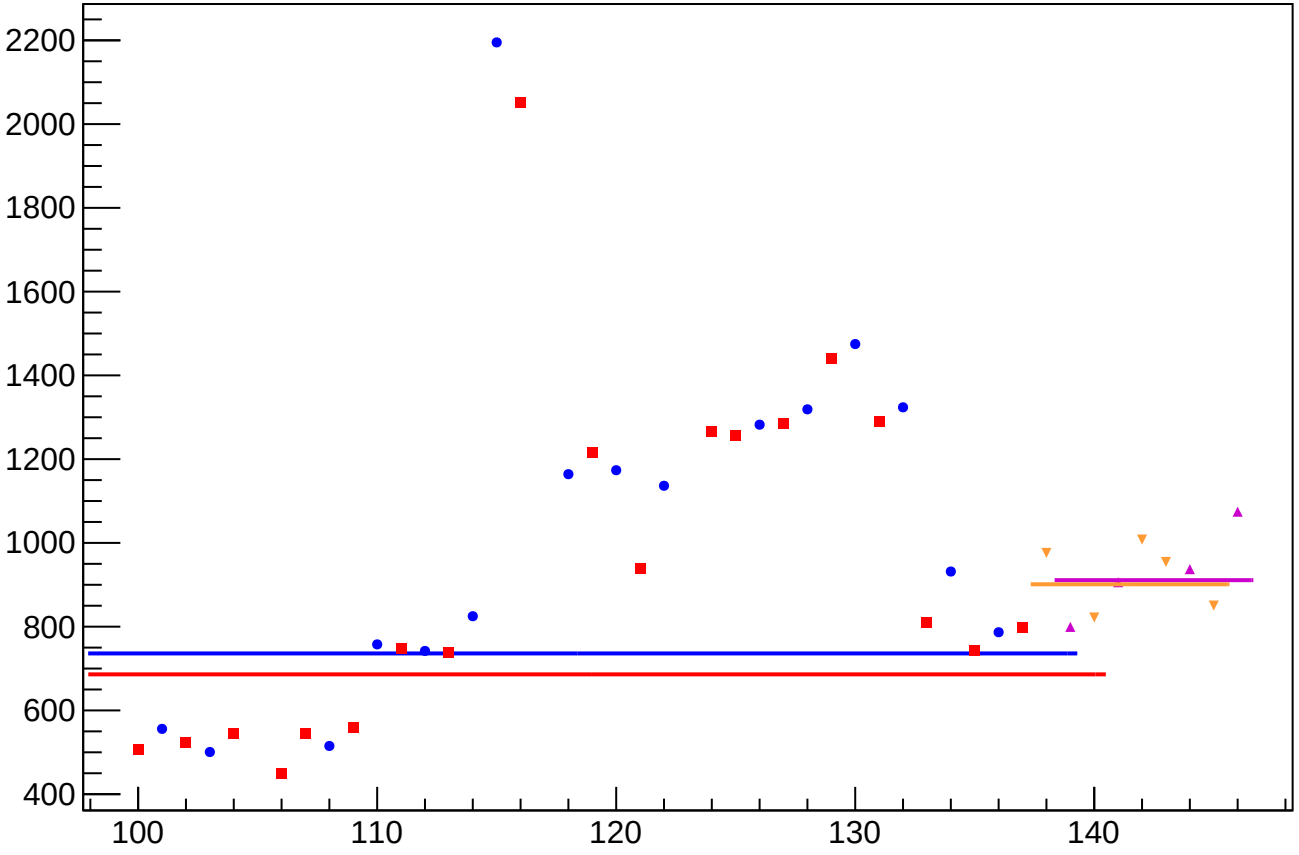
Left In: -1056.934+/-491.510 χ^2/NDF:1.8/3

+ sign 78.677+/-249.141 χ^2/NDF: 15.2/20

All: -326.378+/-171.523 χ^2/NDF: 41.6/43

- sign -691.352+/-236.494 χ^2/NDF: 21.3/22

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 901.195+/-0.333 χ^2/NDF:45491.6/4

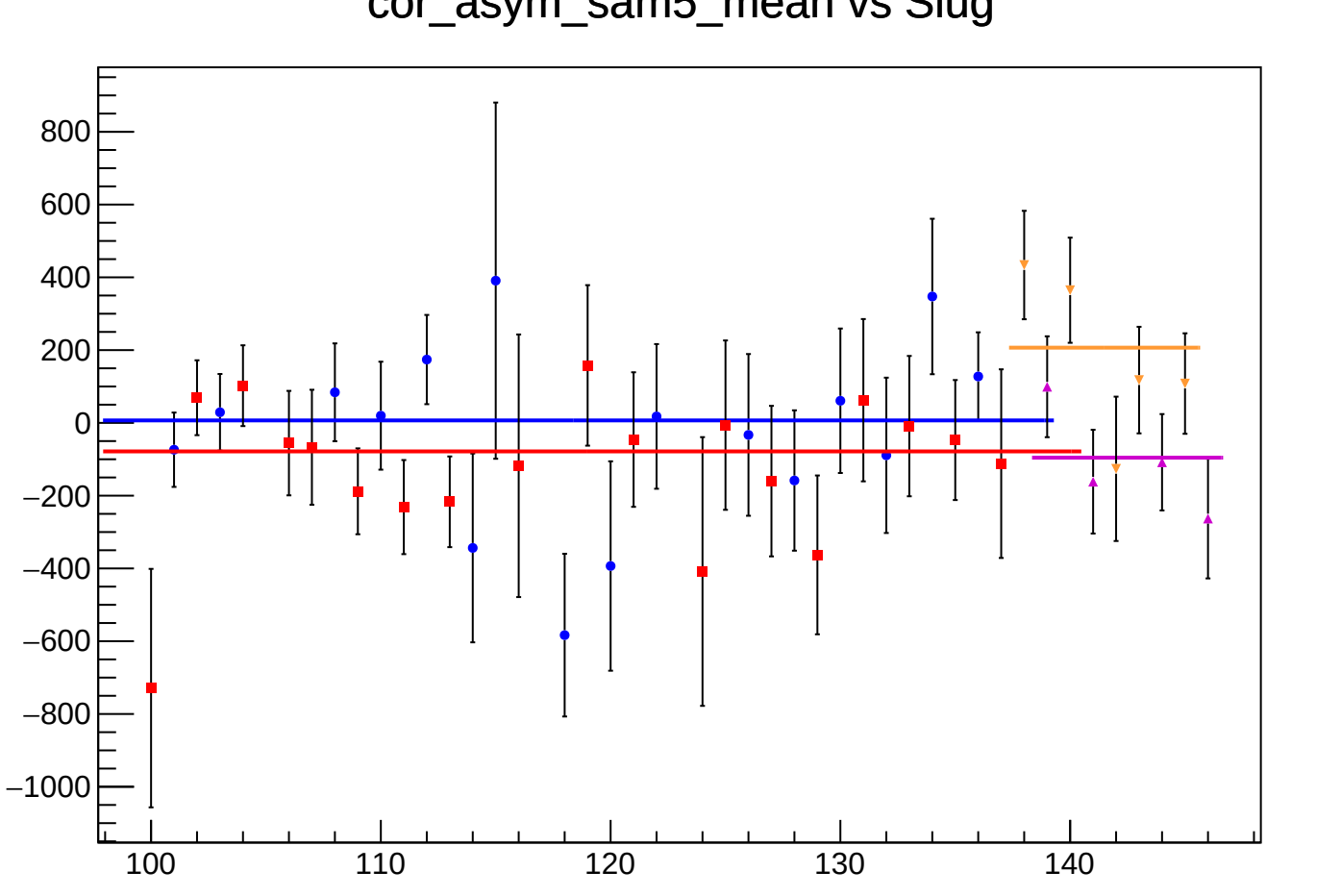
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 911.019+/-0.348 χ^2/NDF:74074.2/3

+ sign 782.200+/-0.176 χ^2/NDF: 2066802.7/20

All: 759.043+/-0.121 χ^2/NDF: 4314725.9/43

- sign 738.178+/-0.167 χ^2/NDF: 2215077.5/22



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 206.716+/-67.816 χ^2/NDF:7.2/4

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

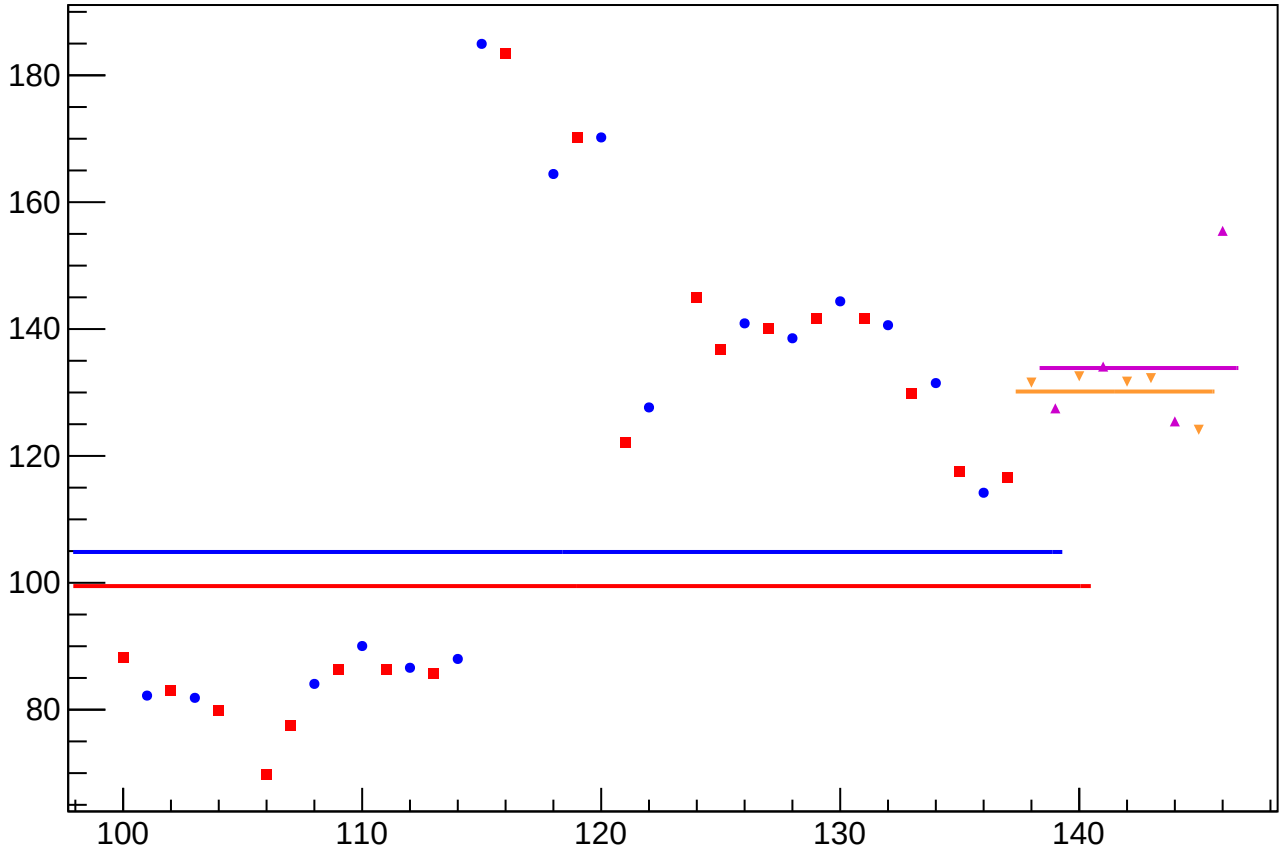
Left In: -95.619+/-71.573 χ^2/NDF:3.2/3

+ sign 59.075+/-34.678 χ^2/NDF: 32.4/20

All: -13.968+/-24.094 χ^2/NDF: 61.0/43

- sign -82.131+/-33.500 χ^2/NDF: 20.0/22

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 130.152+/-0.048 χ^2/NDF:5074.5/4

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

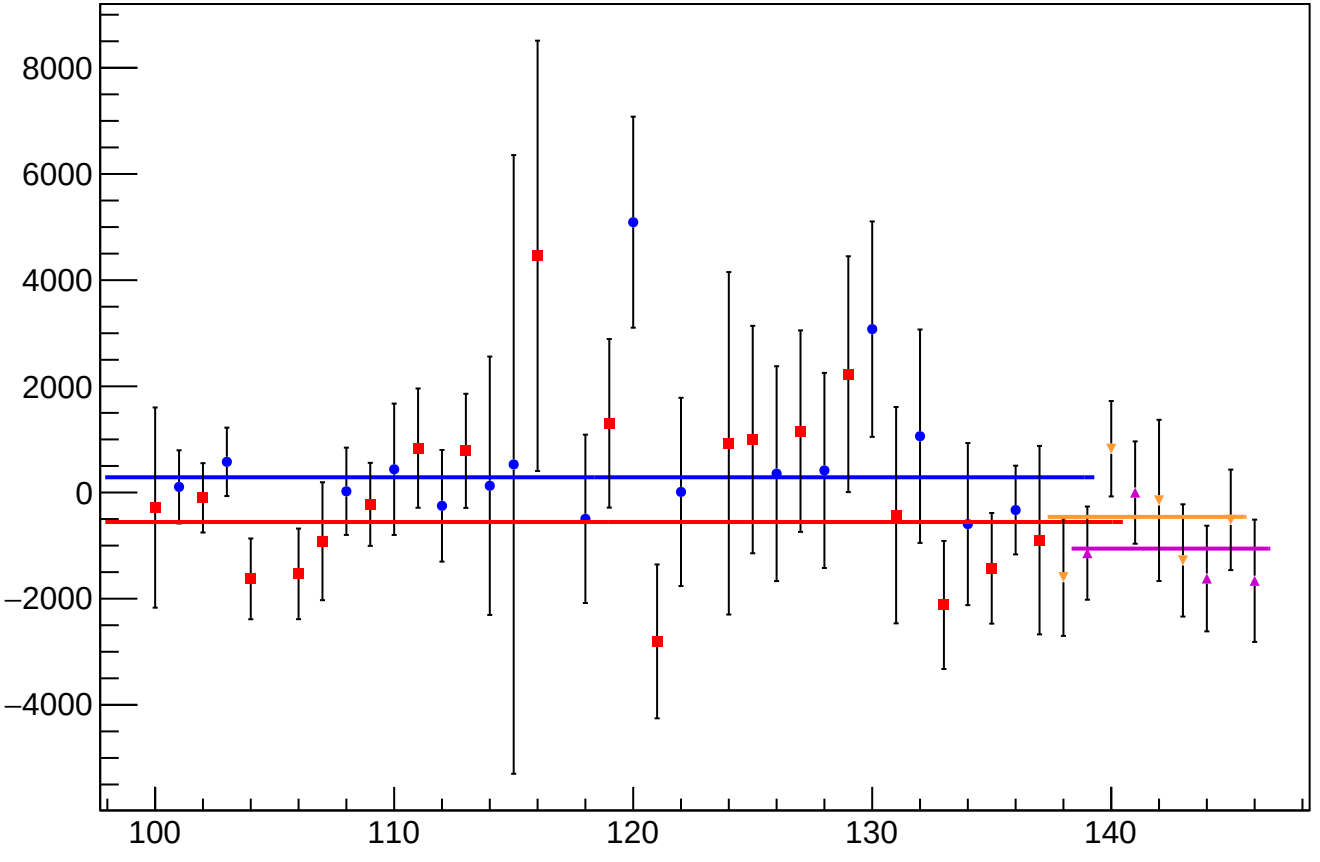
Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

+ sign 111.473+/-0.025 χ^2/NDF: 1141751.1/20

All: 109.167+/-0.017 χ^2/NDF: 2607150.6/43

- sign 107.014+/-0.024 χ^2/NDF: 1448293.0/22

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -458.641+/-471.421 χ^2/NDF:3.7/4

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

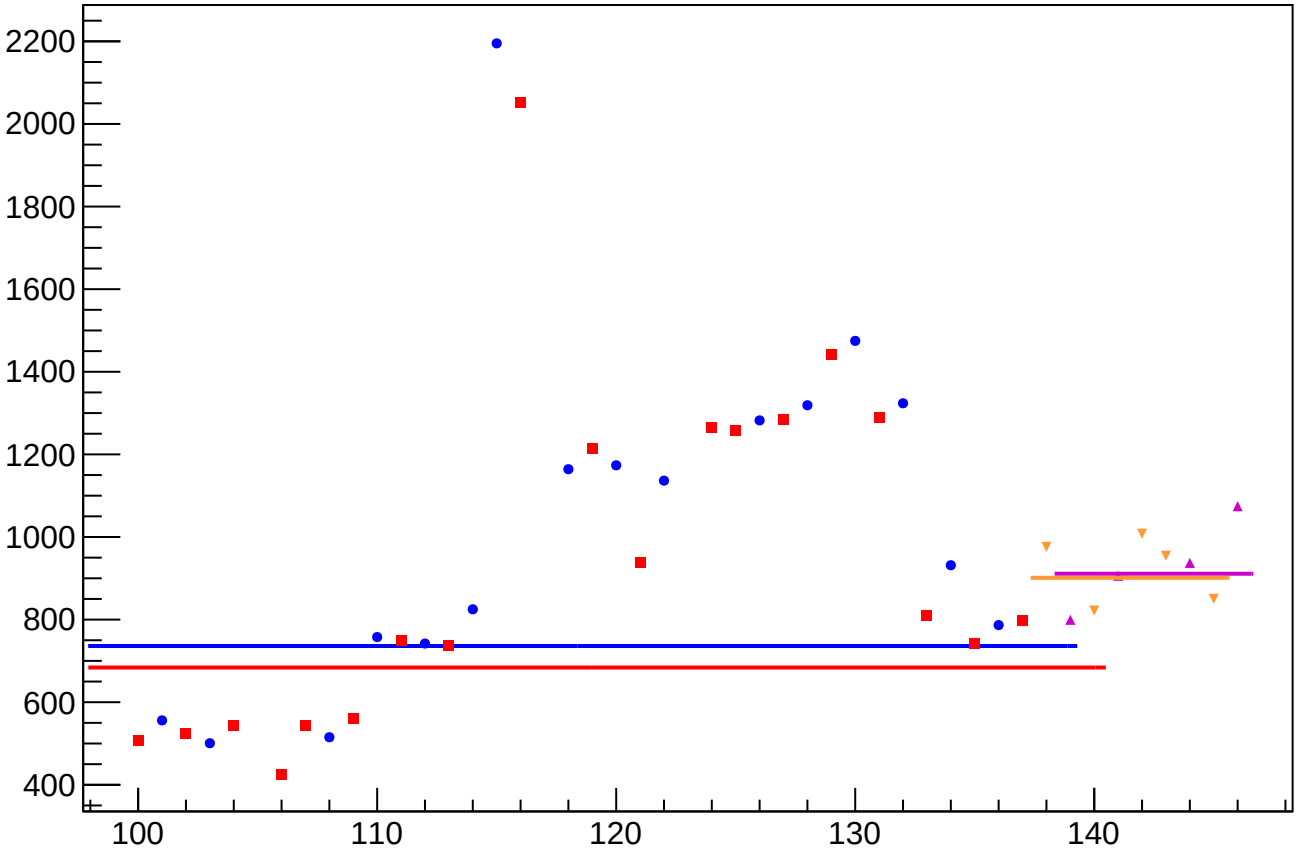
Left In: -1056.934+/-491.510 χ^2/NDF:1.8/3

+ sign 78.682+/-249.141 χ^2/NDF: 15.2/20

All: -315.825+/-171.569 χ^2/NDF: 40.6/43

- sign -671.657+/-236.614 χ^2/NDF: 20.6/22

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 901.195+/-0.333 χ^2/NDF:45491.8/4

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

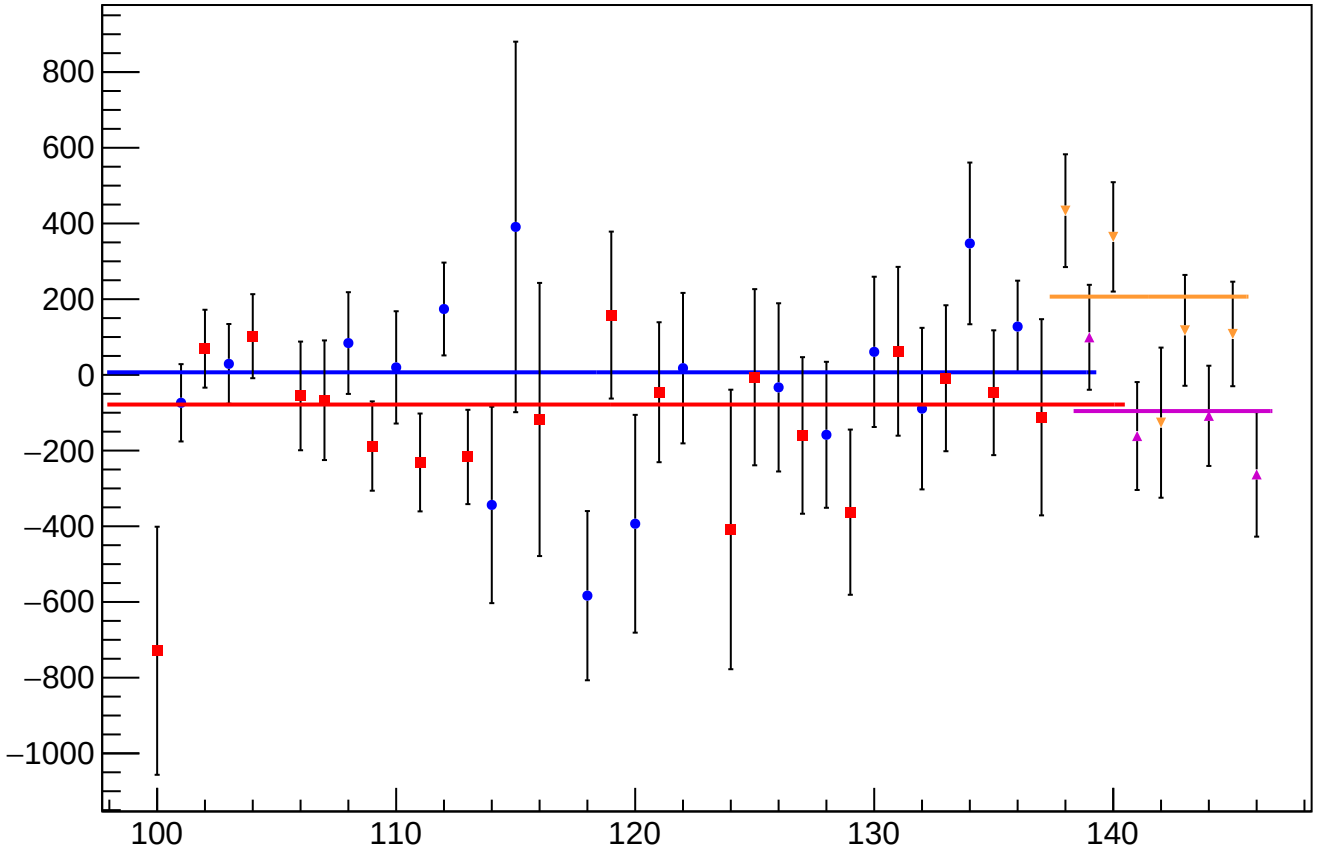
Left In: 911.019+/-0.348 χ^2/NDF:74074.8/3

+ sign 782.199+/-0.176 χ^2/NDF: 2066805.7/20

All: 758.223+/-0.121 χ^2/NDF: 4354358.2/43

- sign 736.596+/-0.167 χ^2/NDF: 2252321.9/22

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 206.716+/-67.816 χ^2/NDF:7.2/4

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

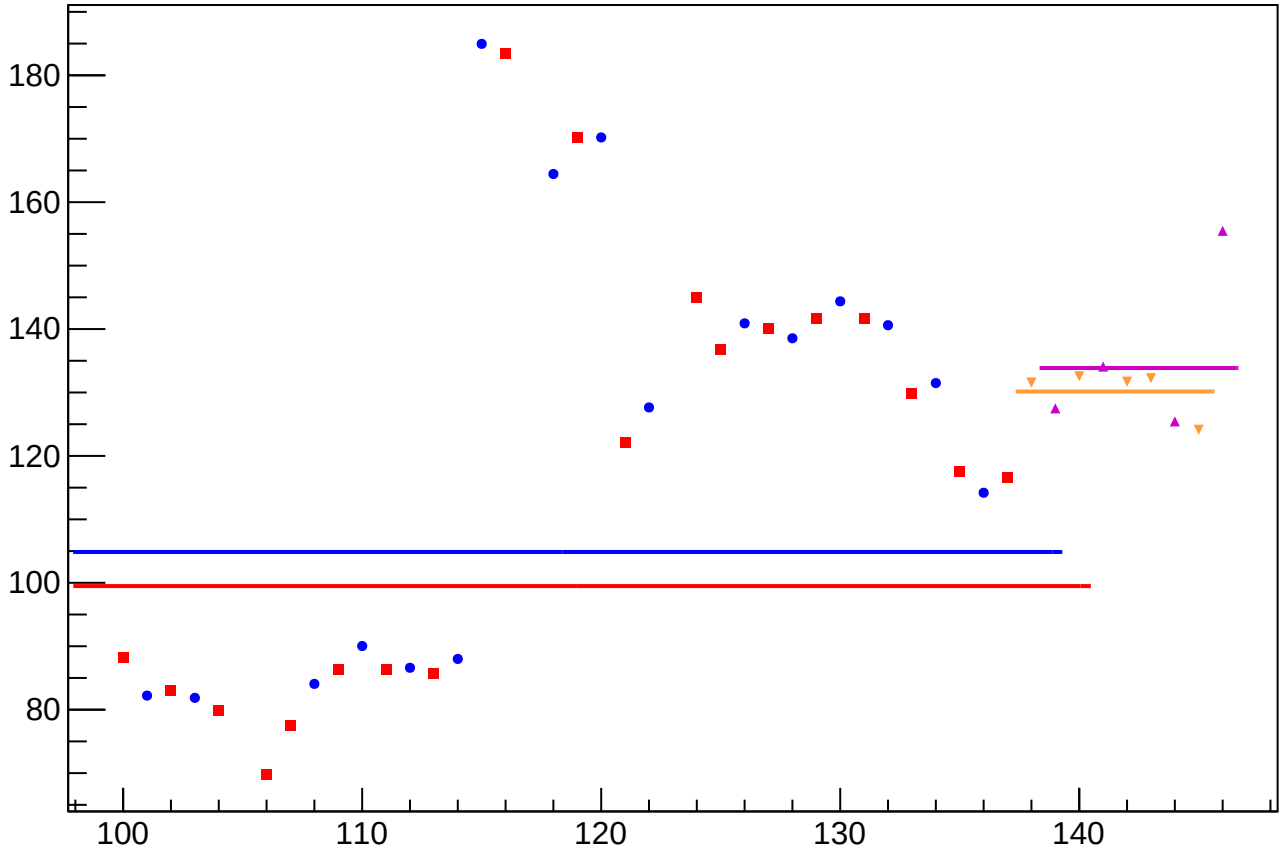
Left In: -95.619+/-71.573 χ^2/NDF:3.2/3

+ sign 59.075+/-34.678 χ^2/NDF: 32.4/20

All: -13.968+/-24.094 χ^2/NDF: 61.0/43

- sign -82.131+/-33.500 χ^2/NDF: 20.0/22

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 130.152+/-0.048 χ^2/NDF:5074.5/4

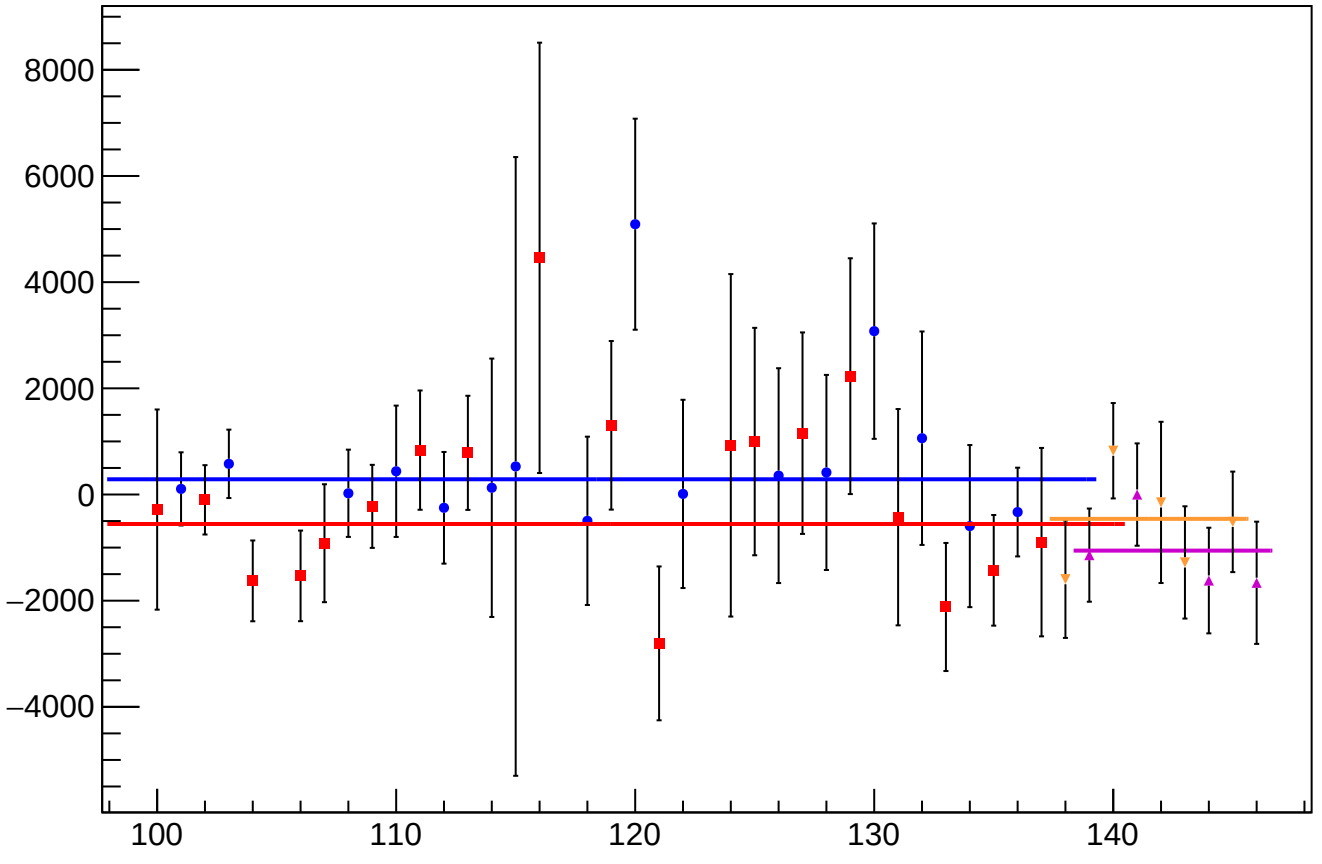
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

+ sign 111.473+/-0.025 χ^2/NDF: 1141751.1/20

All: 109.167+/-0.017 χ^2/NDF: 2607150.6/43

- sign 107.014+/-0.024 χ^2/NDF: 1448293.0/22



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -458.641+/-471.421 χ^2/NDF:3.7/4

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

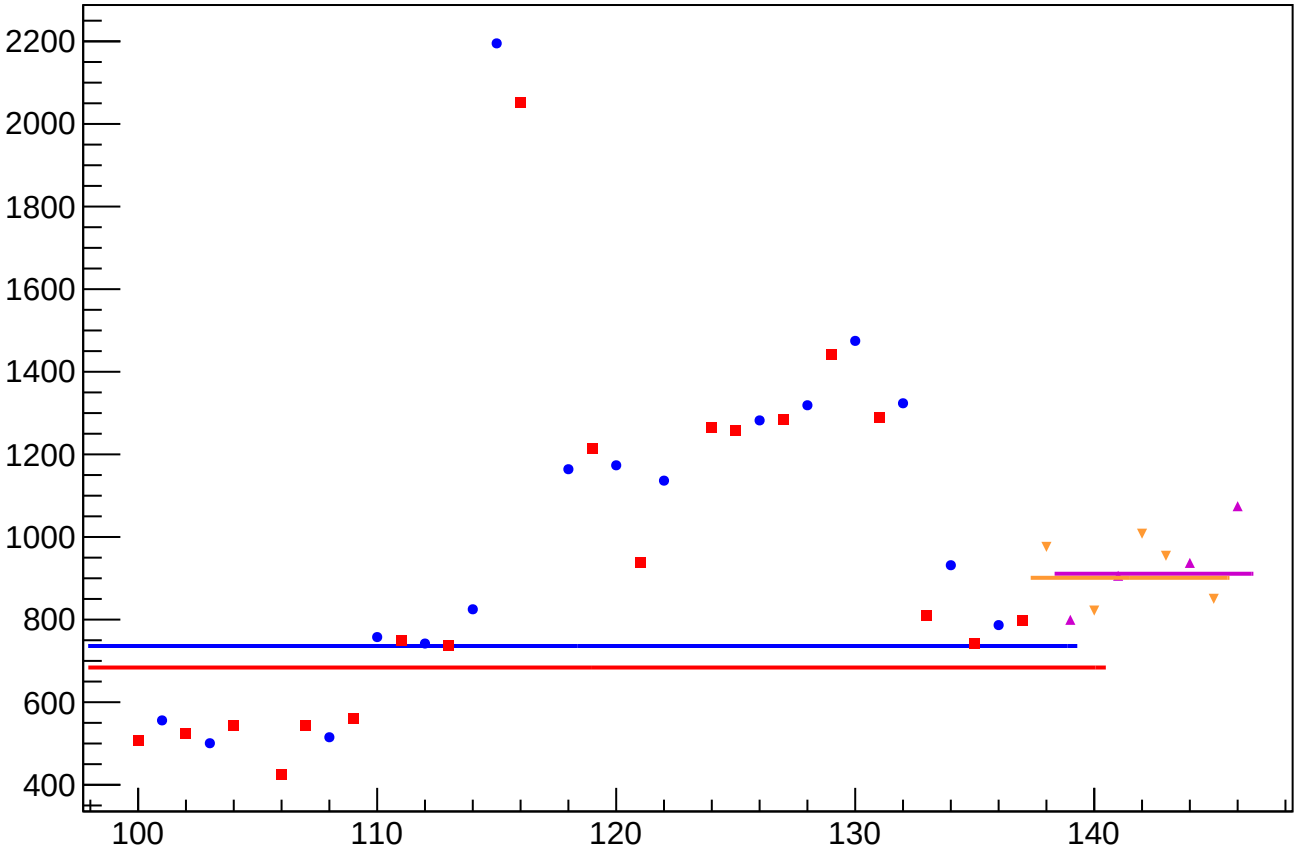
Left In: -1056.934+/-491.510 χ^2/NDF:1.8/3

+ sign 78.682+/-249.141 χ^2/NDF: 15.2/20

All: -315.825+/-171.569 χ^2/NDF: 40.6/43

- sign -671.657+/-236.614 χ^2/NDF: 20.6/22

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 901.195+/-0.333 χ^2/NDF:45491.8/4

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

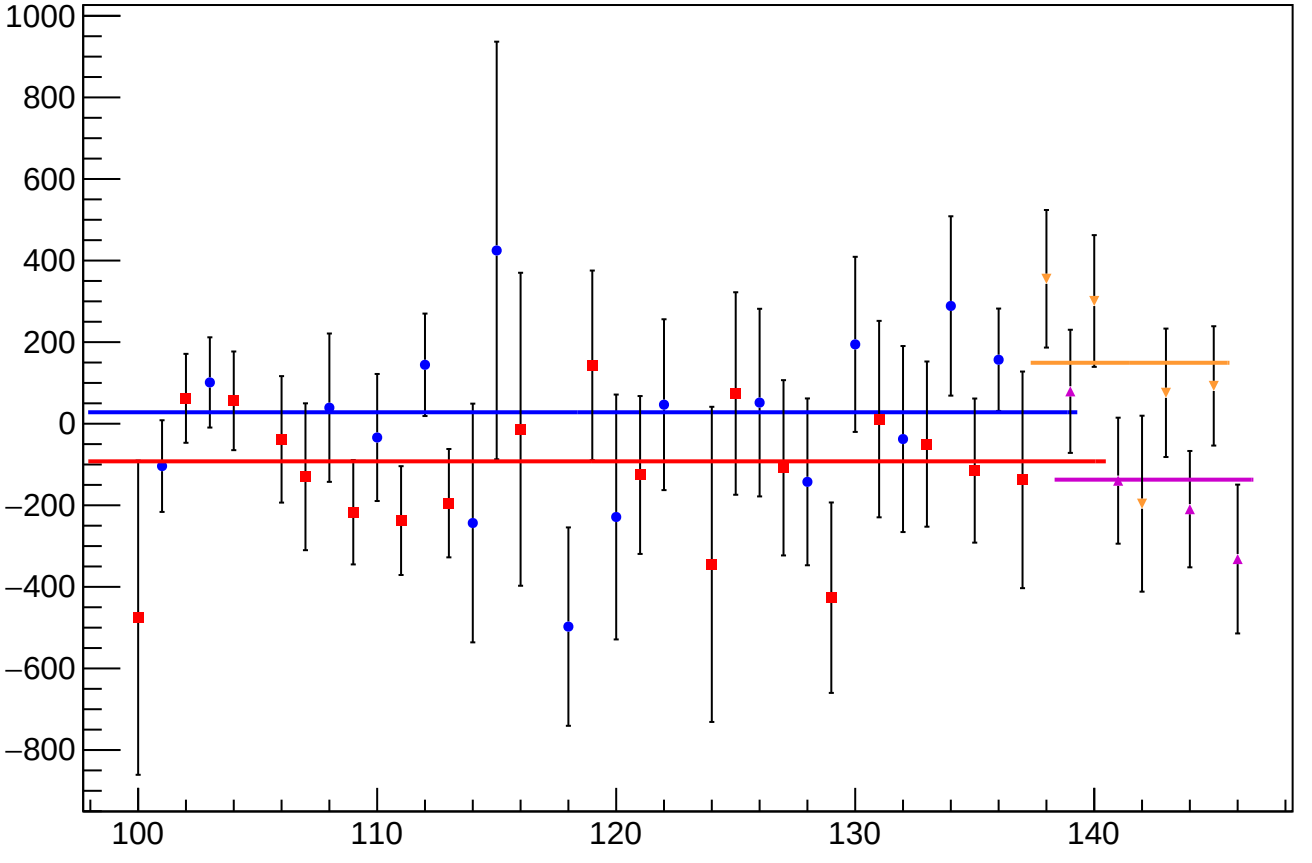
Left In: 911.019+/-0.348 χ^2/NDF:74074.8/3

+ sign 782.199+/-0.176 χ^2/NDF: 2066805.7/20

All: 758.223+/-0.121 χ^2/NDF: 4354358.2/43

- sign 736.596+/-0.167 χ^2/NDF: 2252321.9/22

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.413+/-74.111 χ^2/NDF:5.3/4

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

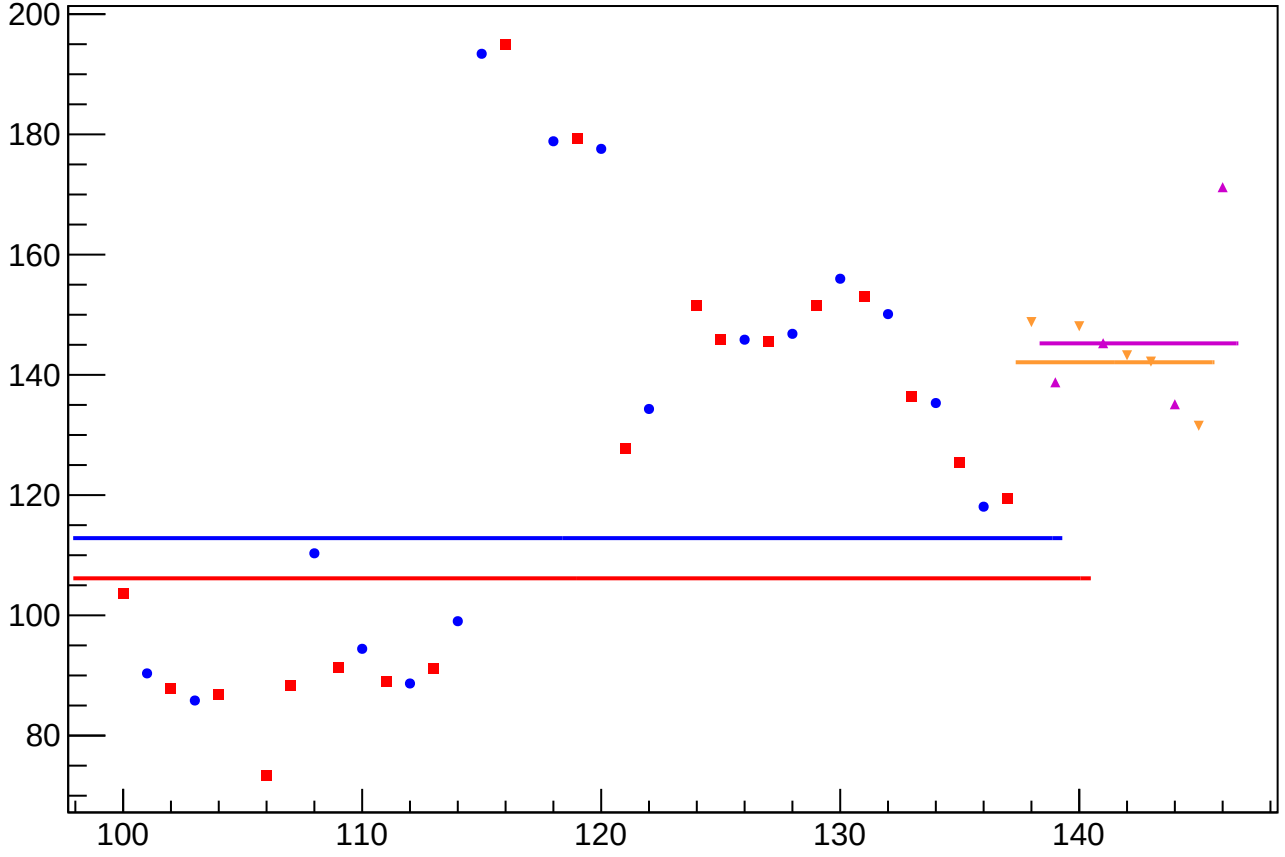
Left In: -137.168+/-77.850 χ^2/NDF:3.5/3

+ sign 59.116+/-37.476 χ^2/NDF: 20.9/20

All: -24.686+/-25.945 χ^2/NDF: 45.9/43

- sign -101.829+/-35.956 χ^2/NDF: 15.4/22

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 142.096+/-0.052 χ^2/NDF:16377.5/4

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

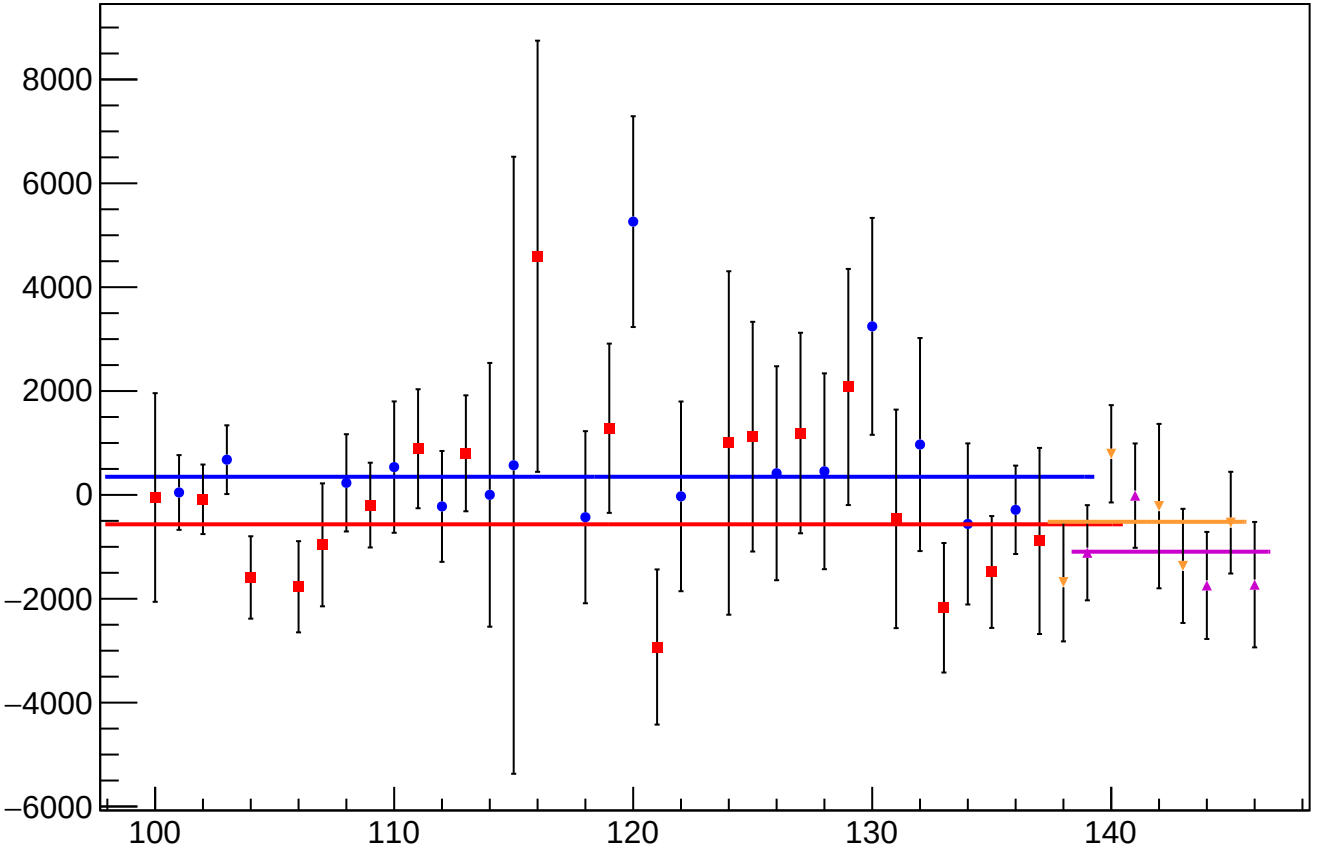
Left In: 145.238+/-0.055 χ^2/NDF:54306.3/3

+ sign 120.323+/-0.026 χ^2/NDF: 1120534.6/20

All: 117.288+/-0.018 χ^2/NDF: 2598643.6/43

- sign 114.495+/-0.025 χ^2/NDF: 1452924.9/22

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -517.904+/-489.310 χ^2/NDF:3.6/4

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

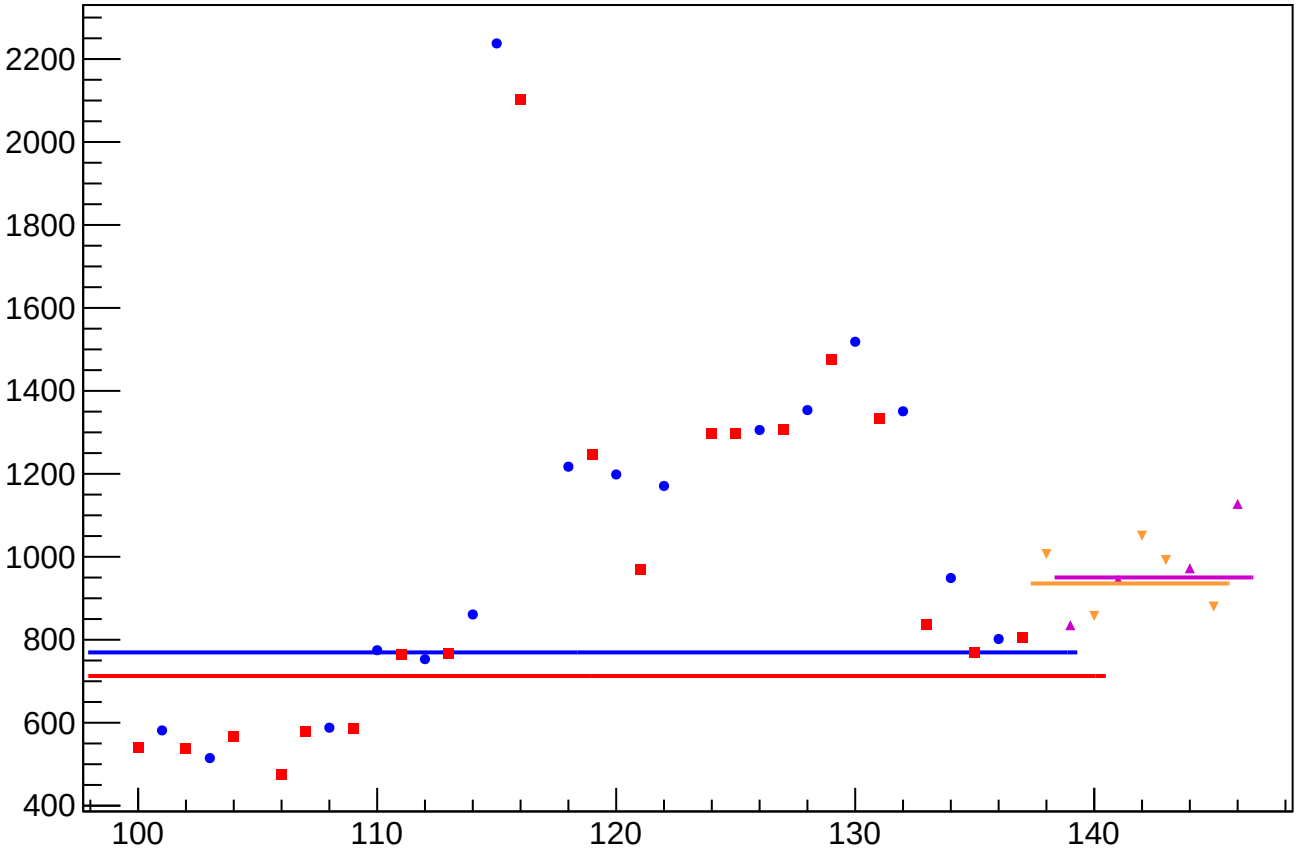
Left In: -1093.859+/-512.424 χ^2/NDF:1.8/3

+ sign 106.131+/-259.034 χ^2/NDF: 15.7/20

All: -312.138+/-178.066 χ^2/NDF: 41.6/43

- sign -686.867+/-245.182 χ^2/NDF: 20.9/22

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 935.704+/-0.346 χ^2/NDF:44001.6/4

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

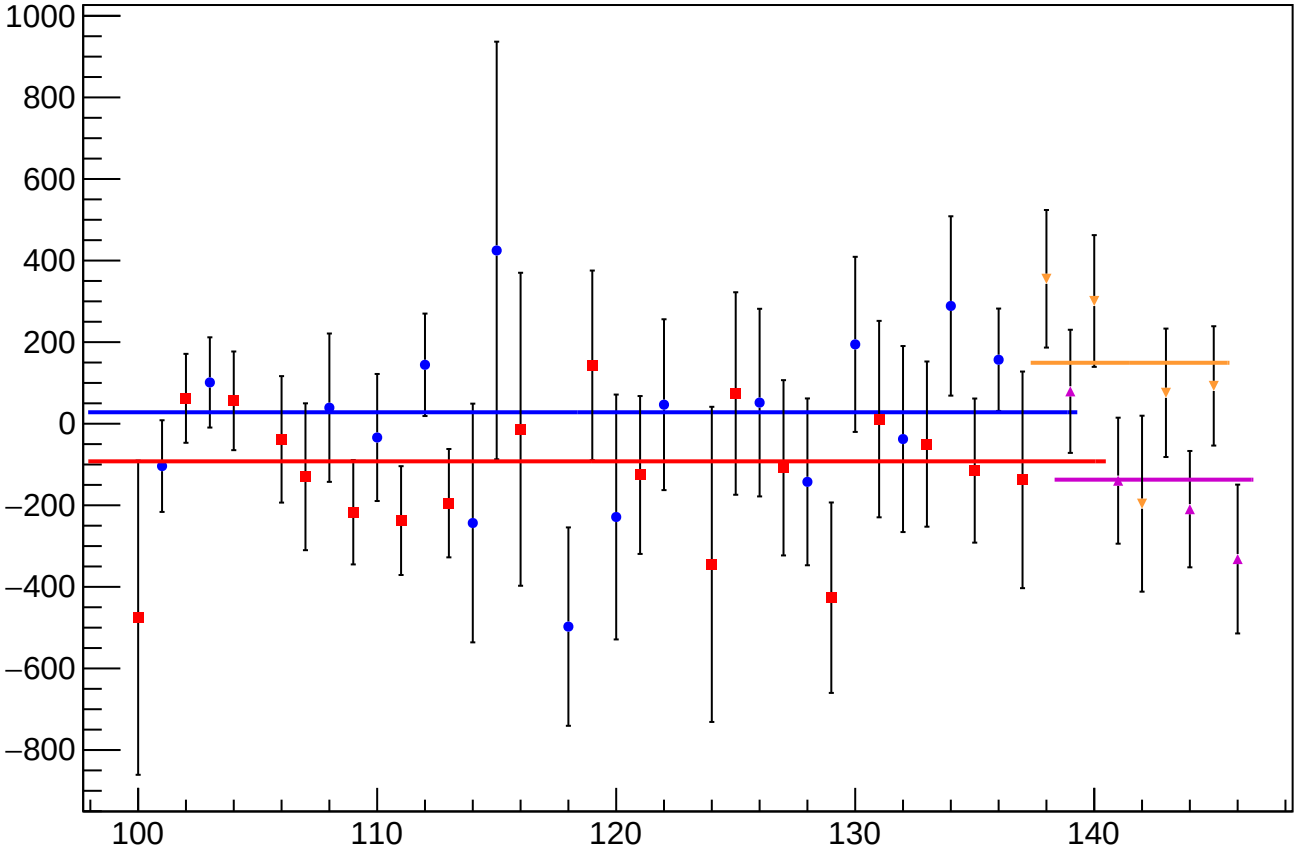
Left In: 950.230+/-0.362 χ^2/NDF:75665.0/3

+ sign 816.120+/-0.183 χ^2/NDF: 1949907.0/20

All: 790.225+/-0.126 χ^2/NDF: 4162251.3/43

- sign 767.025+/-0.173 χ^2/NDF: 2174449.7/22

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.414+/-74.111 χ^2/NDF:5.3/4

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

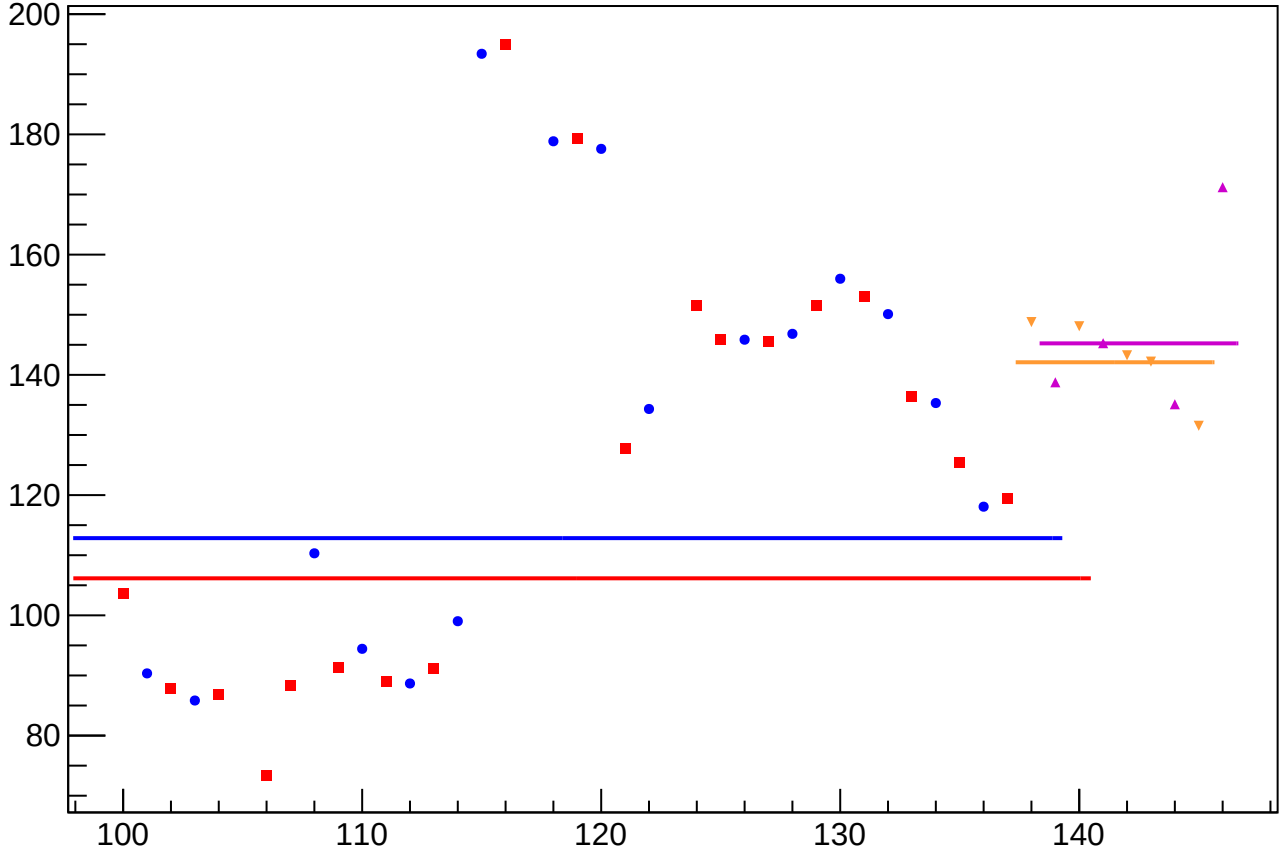
Left In: -137.169+/-77.851 χ^2/NDF:3.5/3

+ sign 59.115+/-37.476 χ^2/NDF: 20.9/20

All: -24.687+/-25.945 χ^2/NDF: 45.9/43

- sign -101.830+/-35.956 χ^2/NDF: 15.4/22

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 142.096+/-0.052 χ^2/NDF:16379.1/4

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

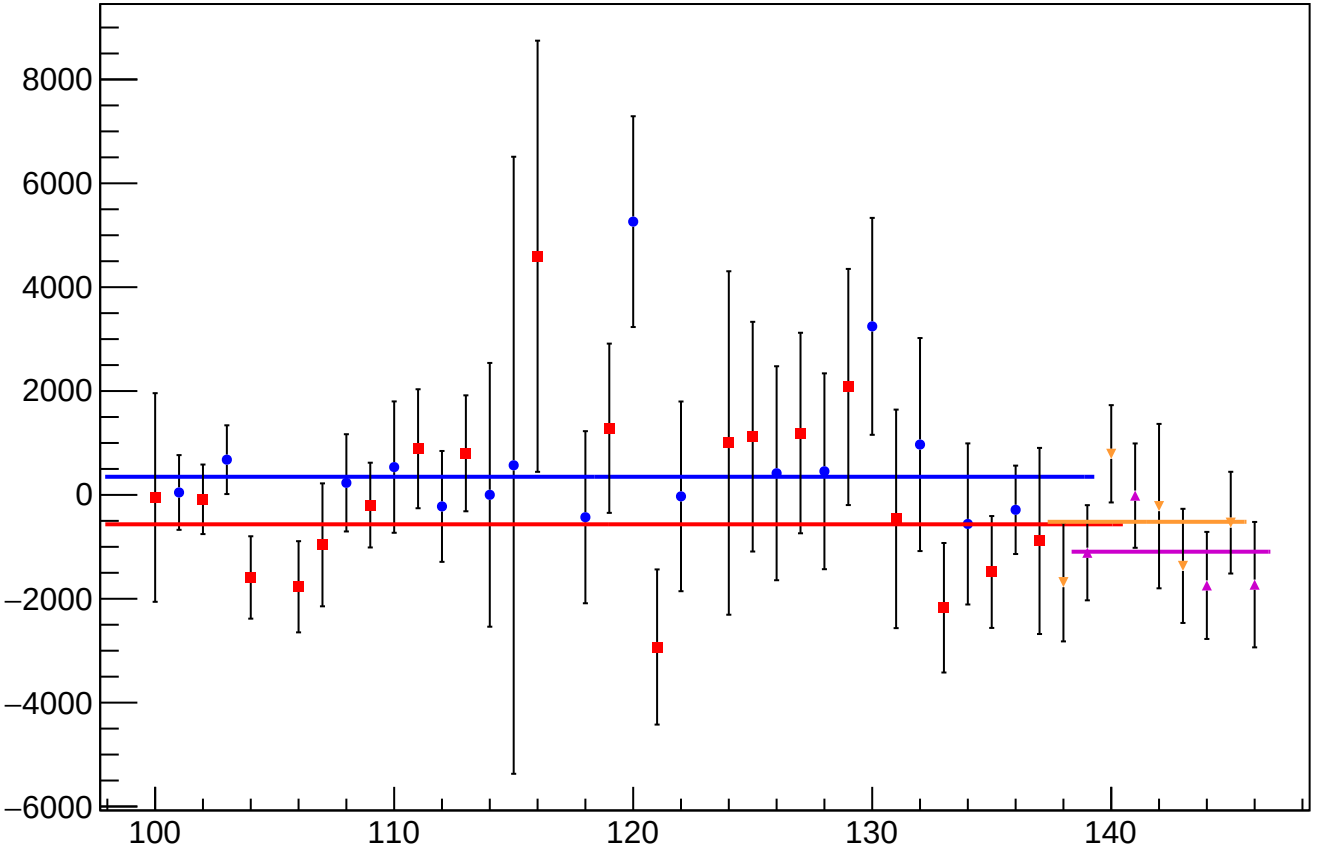
Left In: 145.239+/-0.055 χ^2/NDF:54307.4/3

+ sign 120.323+/-0.026 χ^2/NDF: 1120538.8/20

All: 117.288+/-0.018 χ^2/NDF: 2598650.6/43

- sign 114.495+/-0.025 χ^2/NDF: 1452928.3/22

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -517.904+/-489.311 χ^2/NDF:3.6/4

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

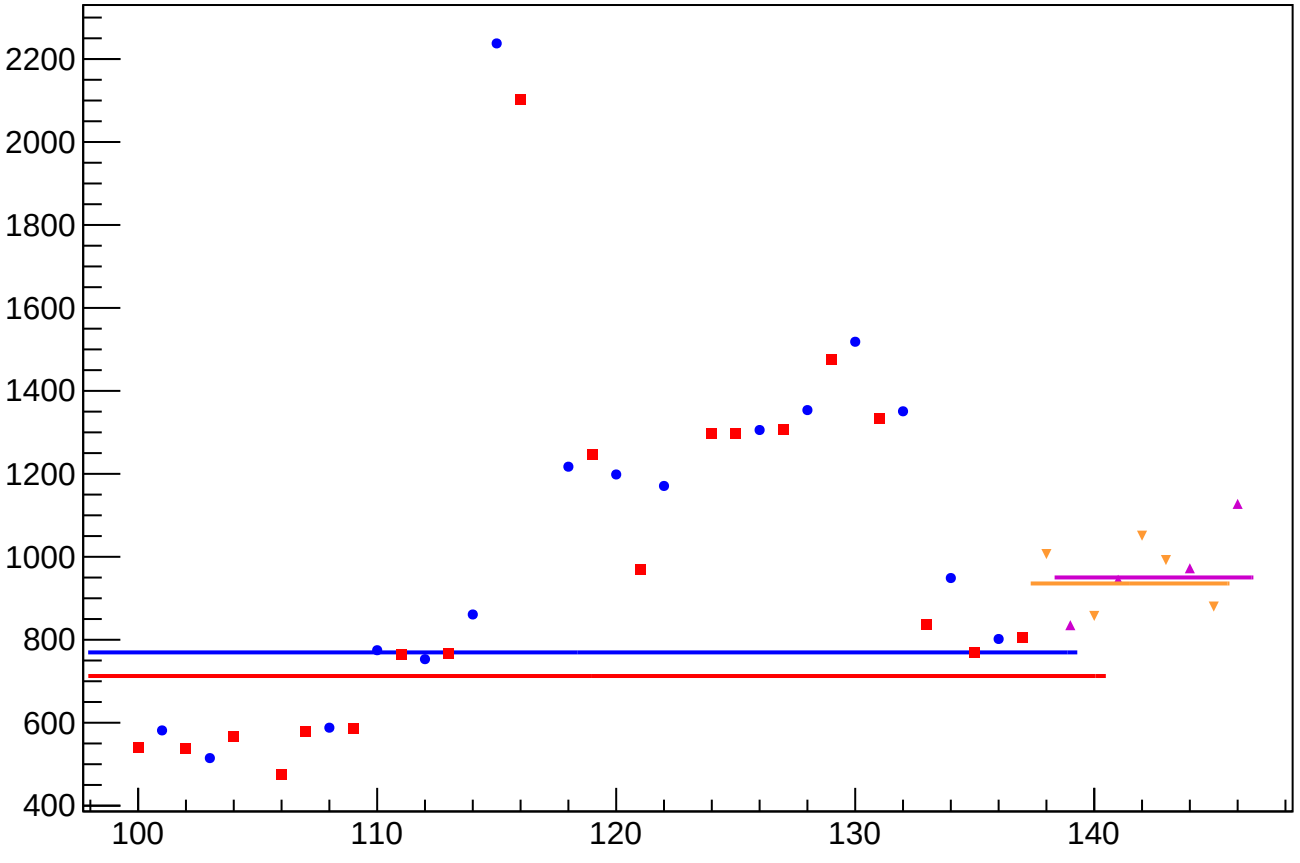
Left In: -1093.863+/-512.425 χ^2/NDF:1.8/3

+ sign 106.131+/-259.034 χ^2/NDF: 15.7/20

All: -312.138+/-178.066 χ^2/NDF: 41.6/43

- sign -686.867+/-245.182 χ^2/NDF: 20.9/22

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 935.705+/-0.346 χ^2/NDF:44001.1/4

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

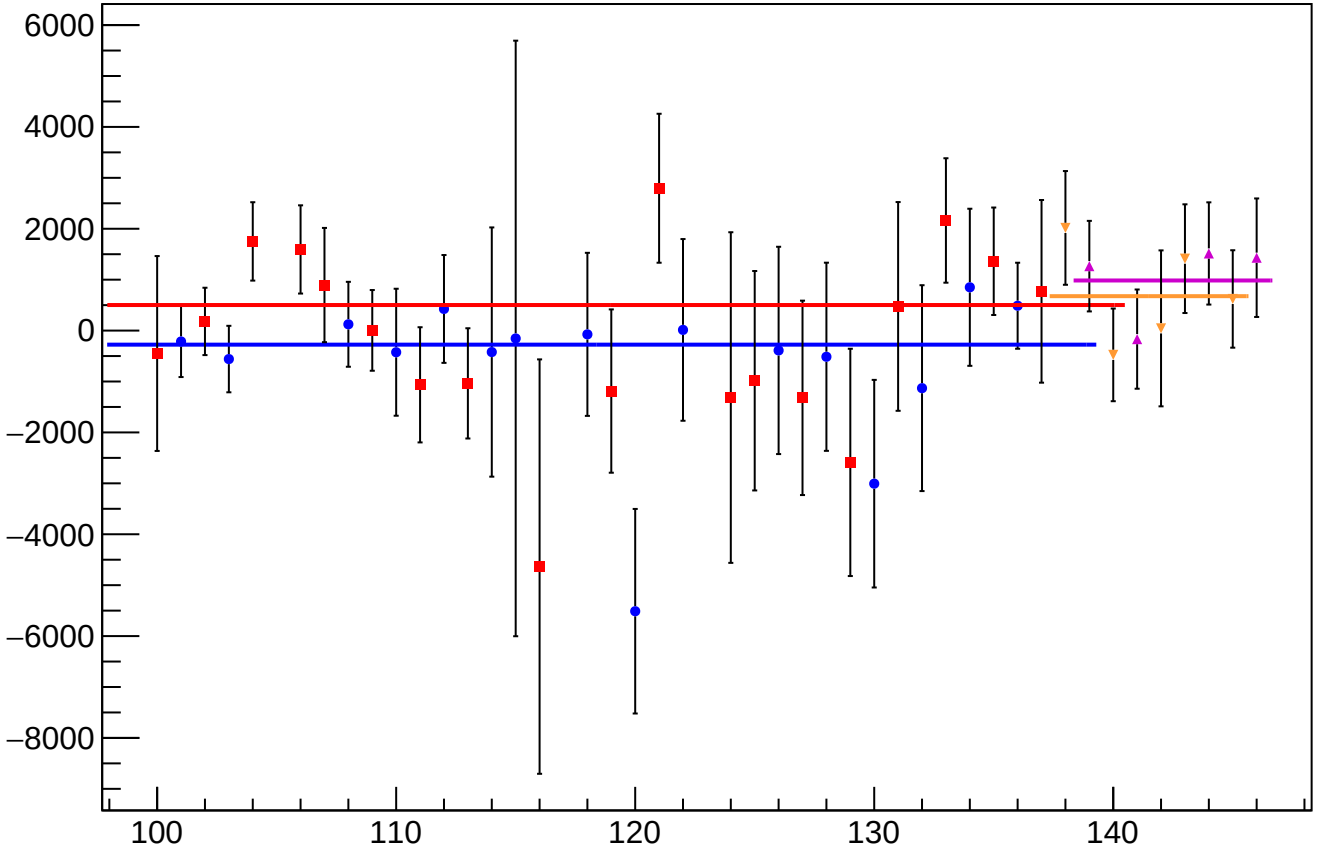
Left In: 950.232+/-0.362 χ^2/NDF:75664.9/3

+ sign 816.119+/-0.183 χ^2/NDF: 1949908.3/20

All: 790.224+/-0.126 χ^2/NDF: 4162253.5/43

- sign 767.024+/-0.173 χ^2/NDF: 2174450.5/22

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 675.909+/-476.448 χ^2/NDF:3.7/4

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

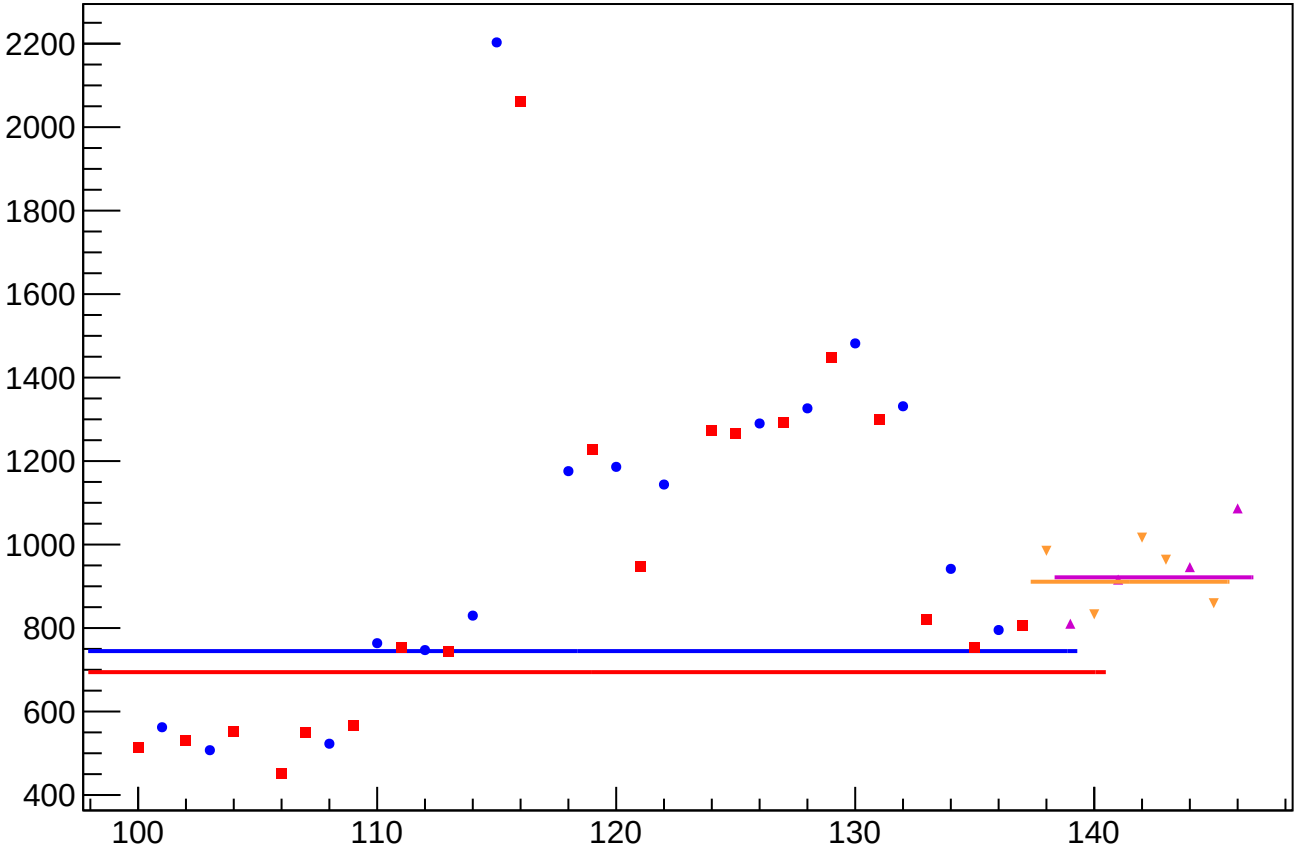
Left In: 984.124+/-496.998 χ^2/NDF:1.9/3

\+ sign -10.137+/-251.862 χ^2/NDF: 17.6/20

All: 317.782+/-173.471 χ^2/NDF: 44.0/43

\- sign 613.734+/-239.272 χ^2/NDF: 23.1/22

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 910.968+/-0.337 χ^2/NDF:43733.1/4

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

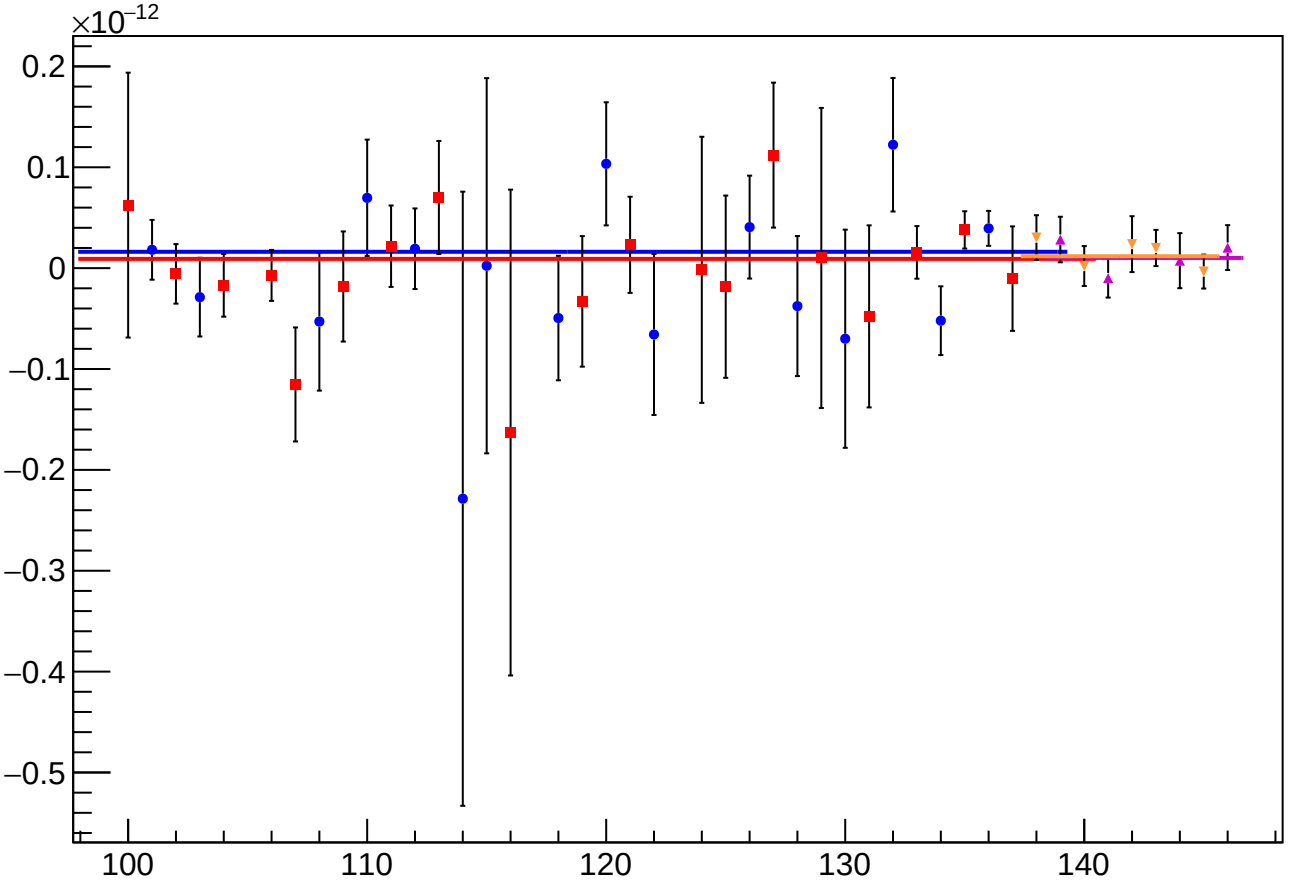
Left In: 921.502+/-0.351 χ^2/NDF:72743.6/3

+ sign 791.222+/-0.178 χ^2/NDF: 2041615.5/20

All: 767.977+/-0.123 χ^2/NDF: 4271469.3/43

- sign 746.997+/-0.169 χ^2/NDF: 2197441.4/22

asym_sam5_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:2.1/4

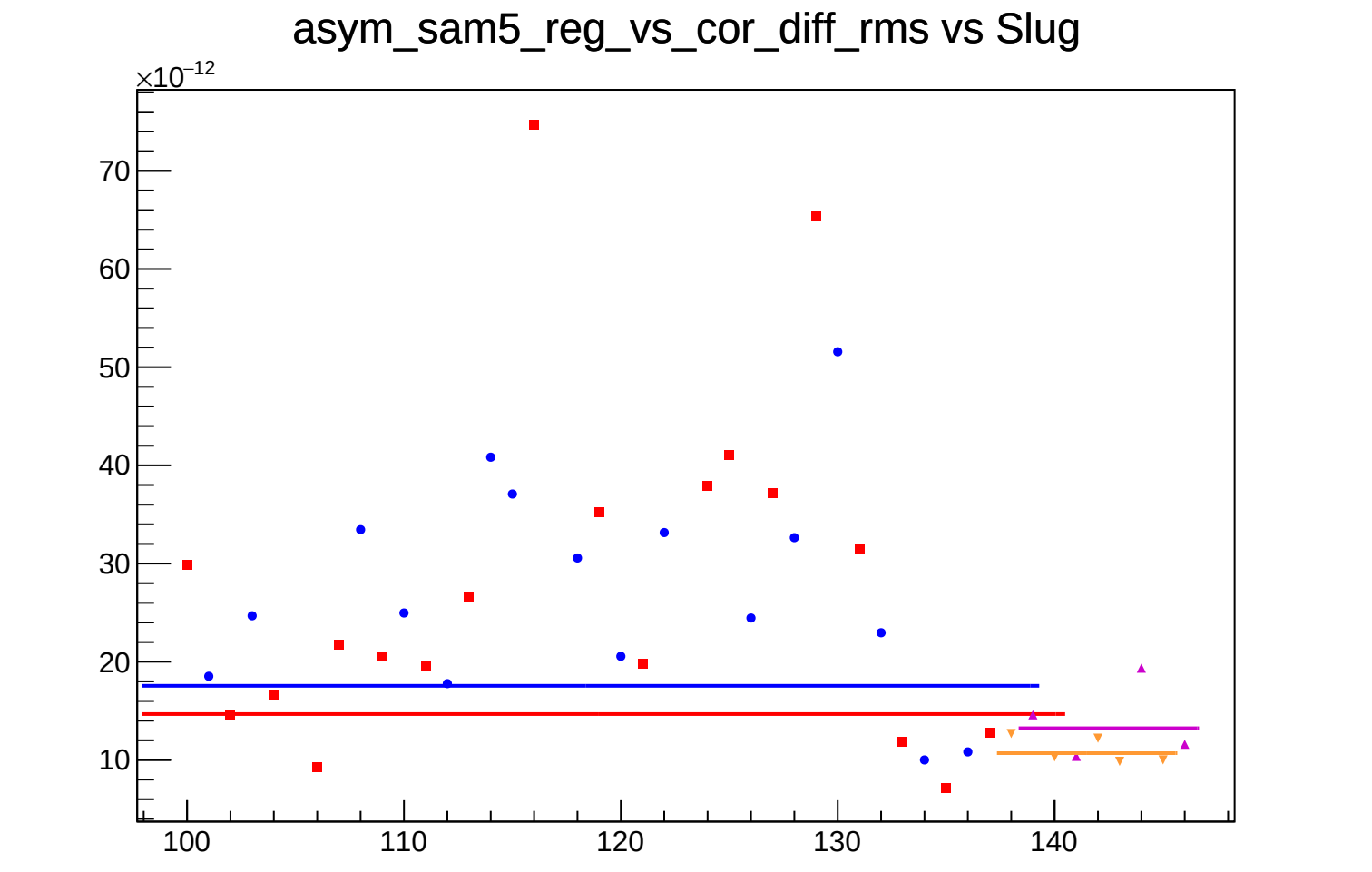
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/3

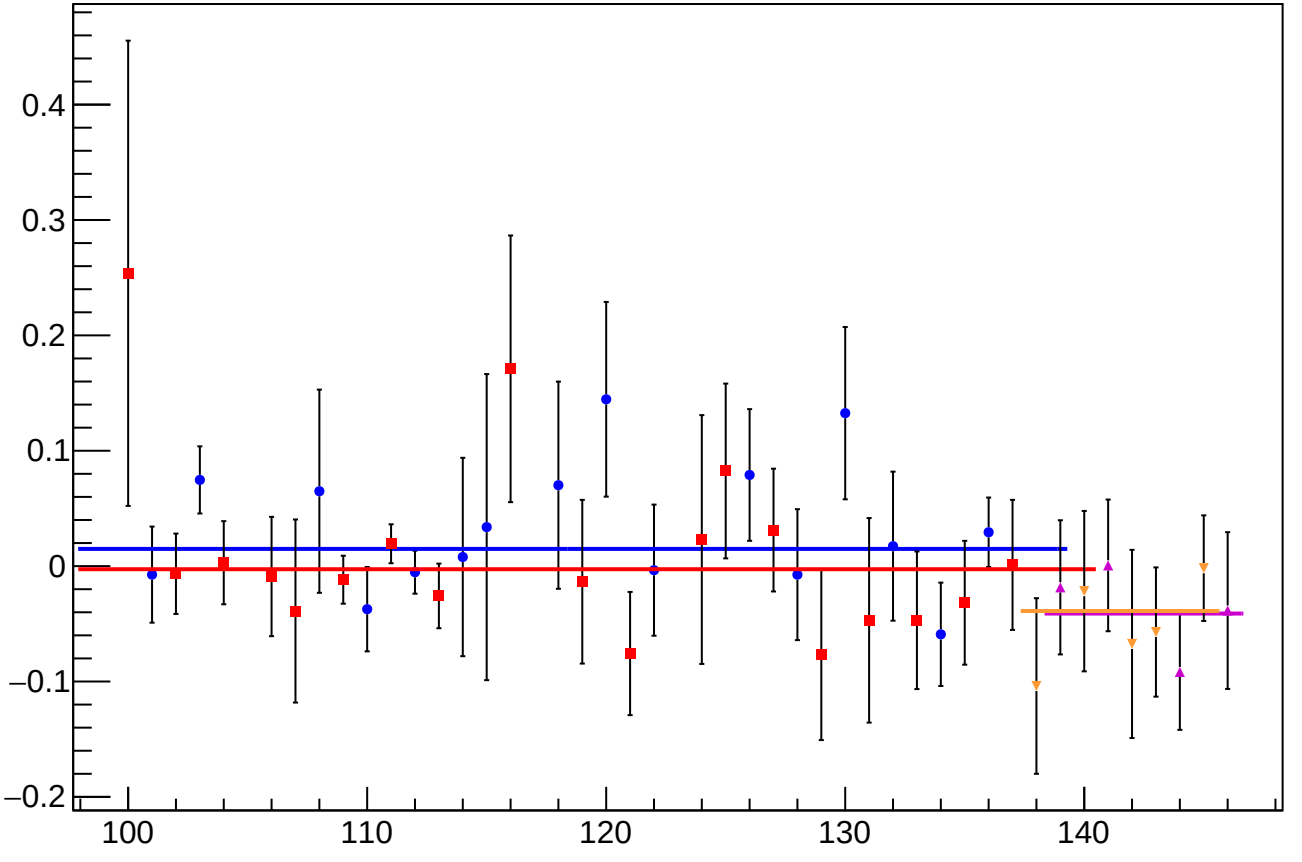
+ sign 0.000+/-0.000 χ^2/NDF: 20.2/20

All: 0.000+/-0.000 χ^2/NDF: 36.4/43

- sign 0.000+/-0.000 χ^2/NDF: 16.0/22


asym_sam5_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:30602.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:162168.9/3
+ sign 0.000+/-0.000 χ²/NDF: 1671714.8/20
All: 0.000+/-0.000 χ²/NDF: 3601457.2/43
- sign 0.000+/-0.000 χ²/NDF: 1923404.5/22

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.039+/-0.027 χ^2/NDF:1.7/4

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

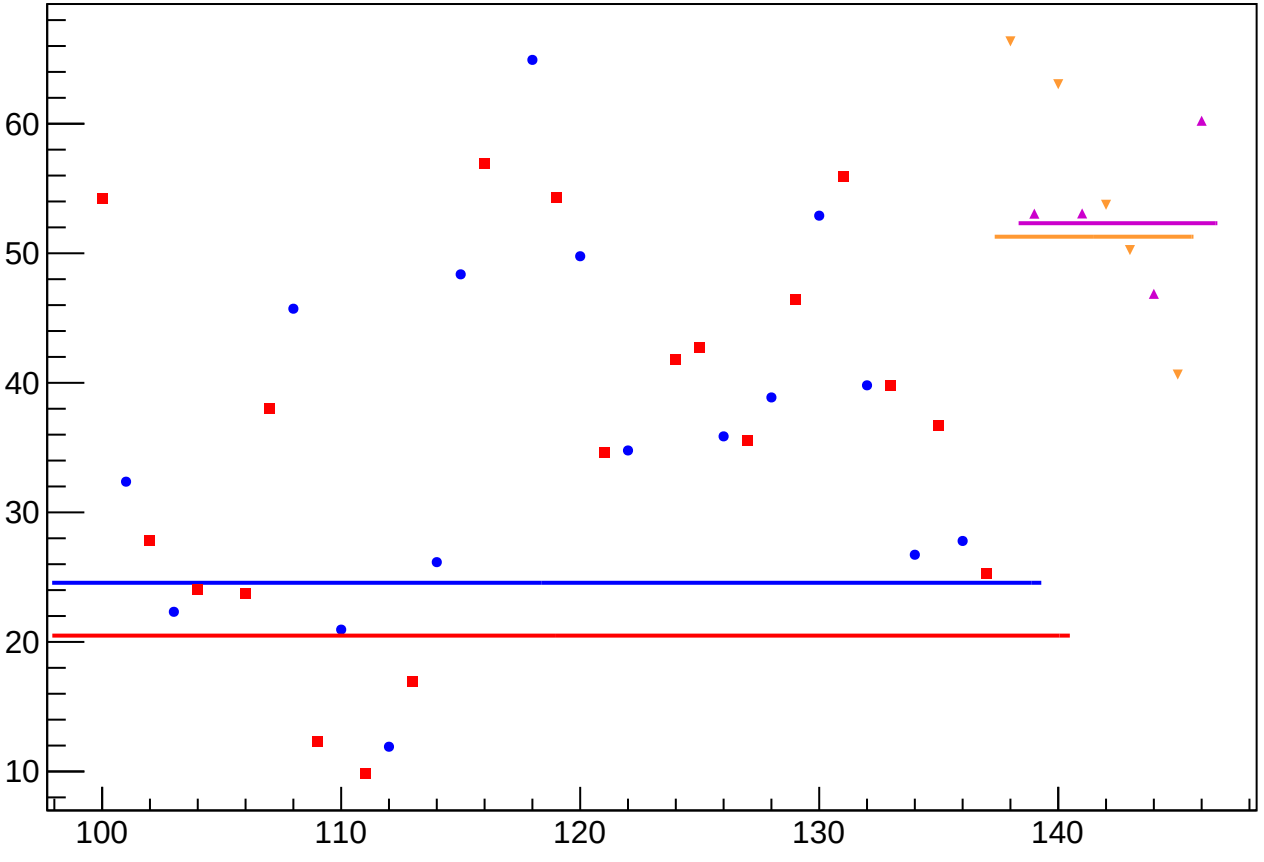
Left In: -0.041+/-0.029 χ^2/NDF:1.7/3

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/20

All: 0.000+/-0.007 χ^2/NDF: 39.7/43

- sign -0.006+/-0.009 χ^2/NDF: 15.8/22

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.280+/-0.019 χ^2/NDF:246495.1/4

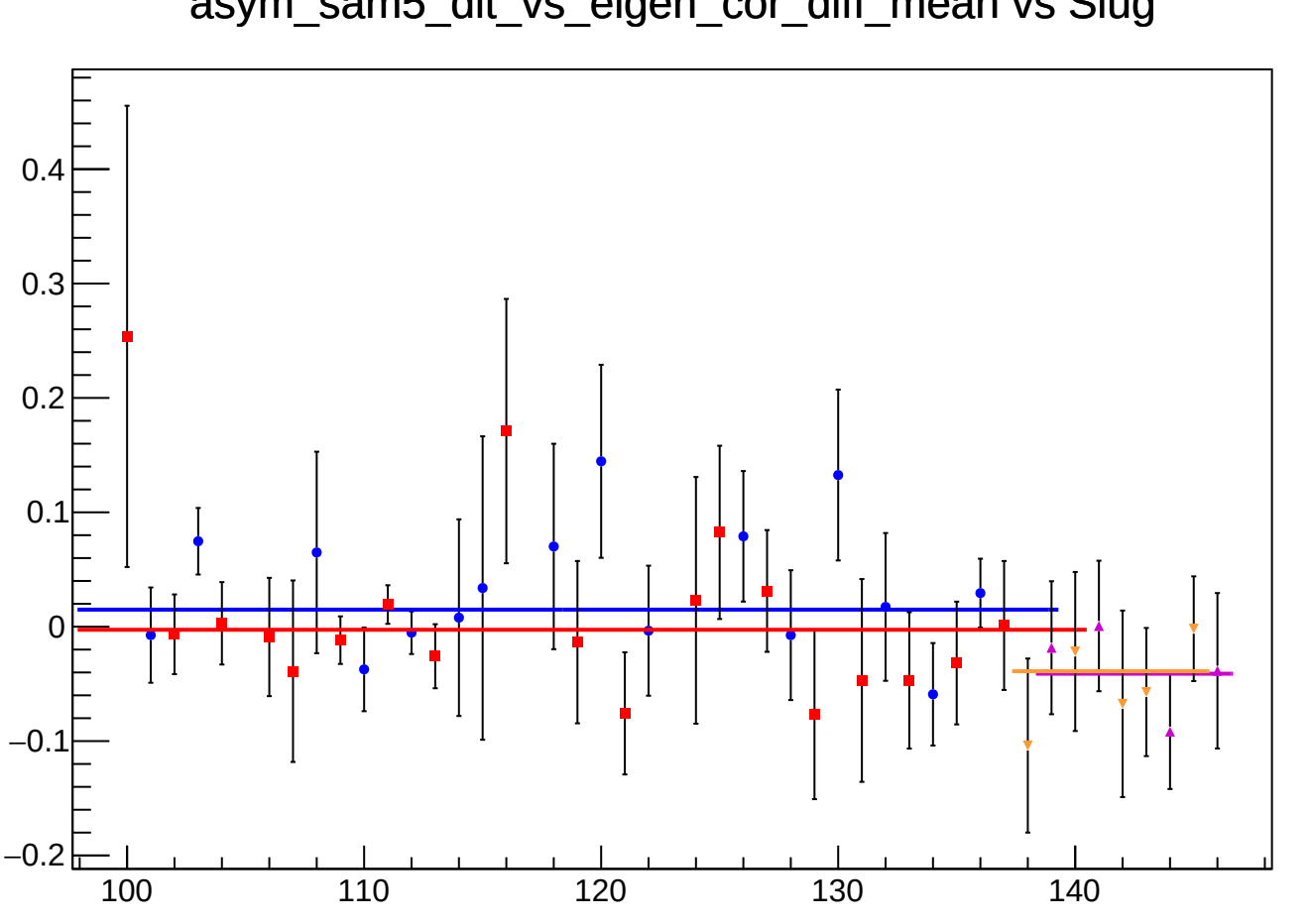
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.321+/-0.020 χ^2/NDF:51368.7/3

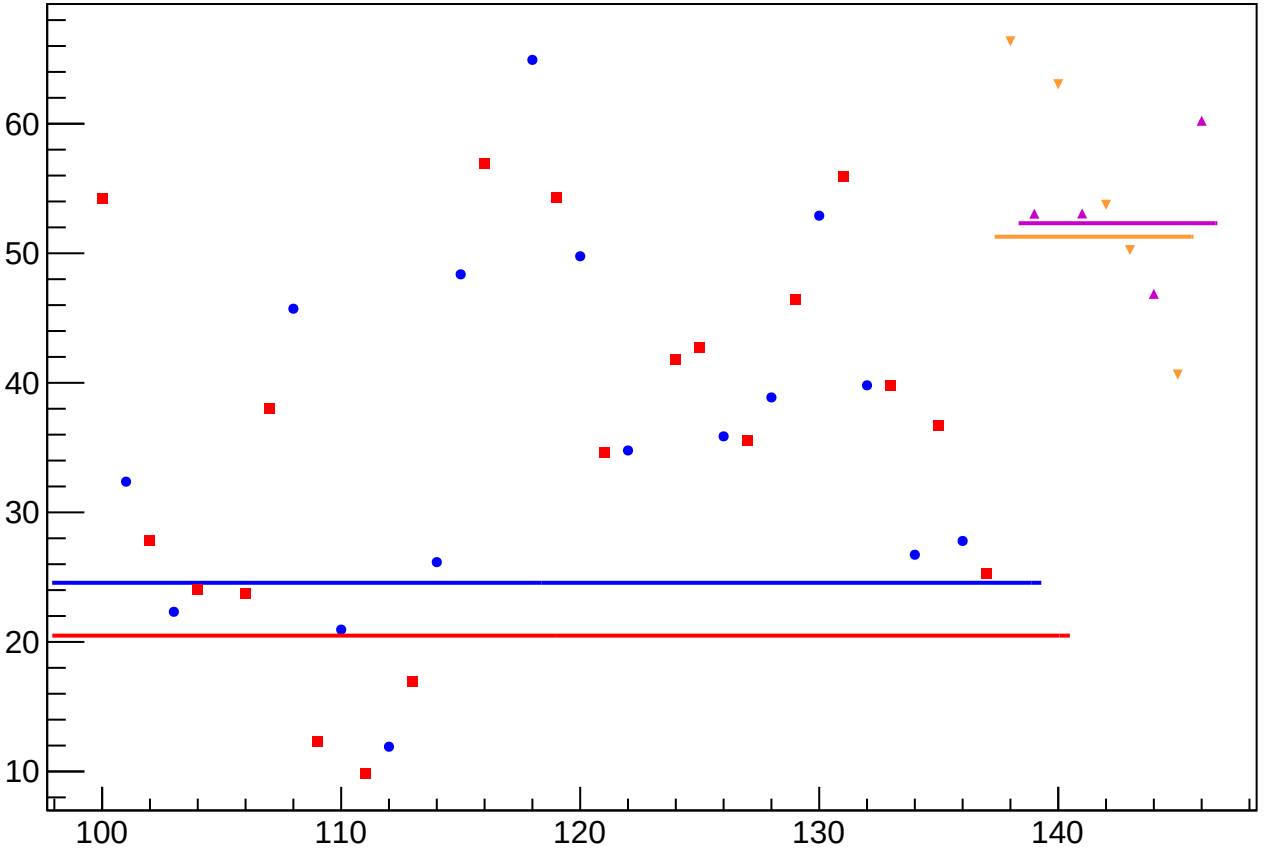
+ sign 28.023+/-0.007 χ^2/NDF: 4378891.4/20

All: 25.483+/-0.005 χ^2/NDF: 10485510.2/43

- sign 23.475+/-0.006 χ^2/NDF: 5869846.8/22


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
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.039+/-0.027 χ²/NDF:1.7/4
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.041+/-0.029 χ²/NDF:1.7/3
+ sign 0.008+/-0.010 χ²/NDF: 22.8/20
All: 0.000+/-0.007 χ²/NDF: 39.7/43
- sign -0.006+/-0.009 χ²/NDF: 15.8/22

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.280+/-0.019 χ^2/NDF:246495.1/4

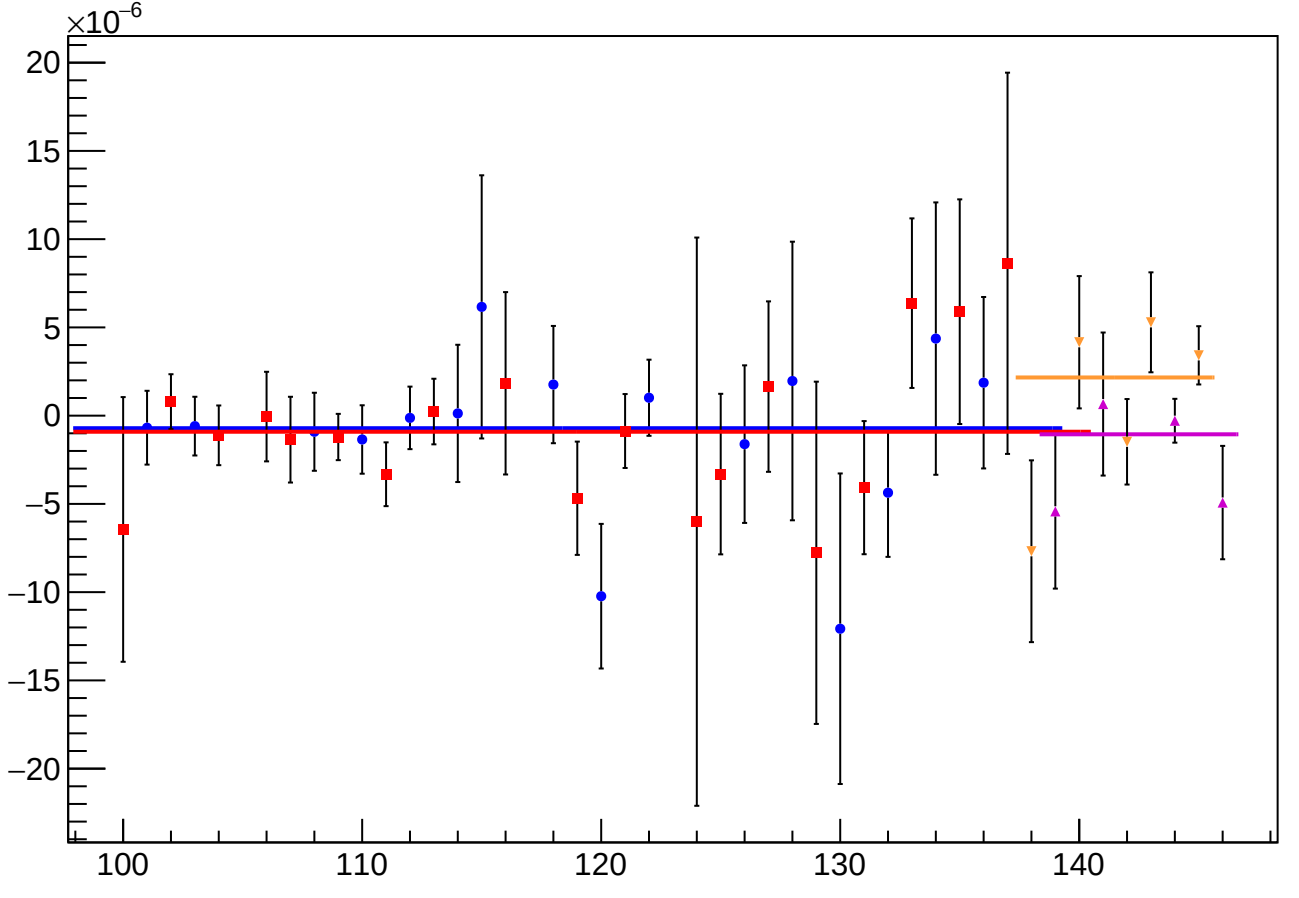
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.321+/-0.020 χ^2/NDF:51368.7/3

+ sign 28.023+/-0.007 χ^2/NDF: 4378891.4/20

All: 25.483+/-0.005 χ^2/NDF: 10485510.2/43

- sign 23.475+/-0.006 χ^2/NDF: 5869846.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/4

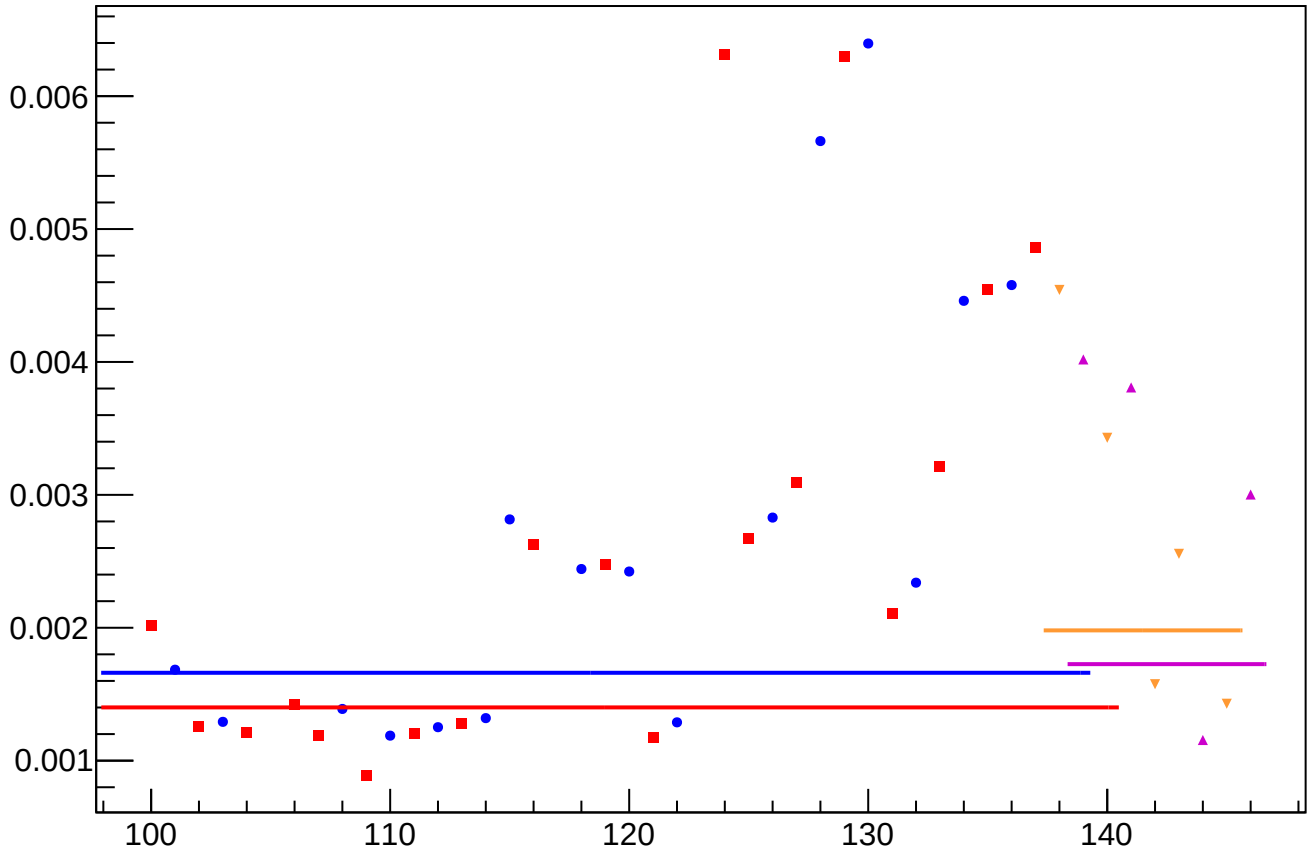
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/20

All: -0.000+/-0.000 χ^2/NDF: 40.4/43

- sign -0.000+/-0.000 χ^2/NDF: 14.9/22



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1156237.3/4

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

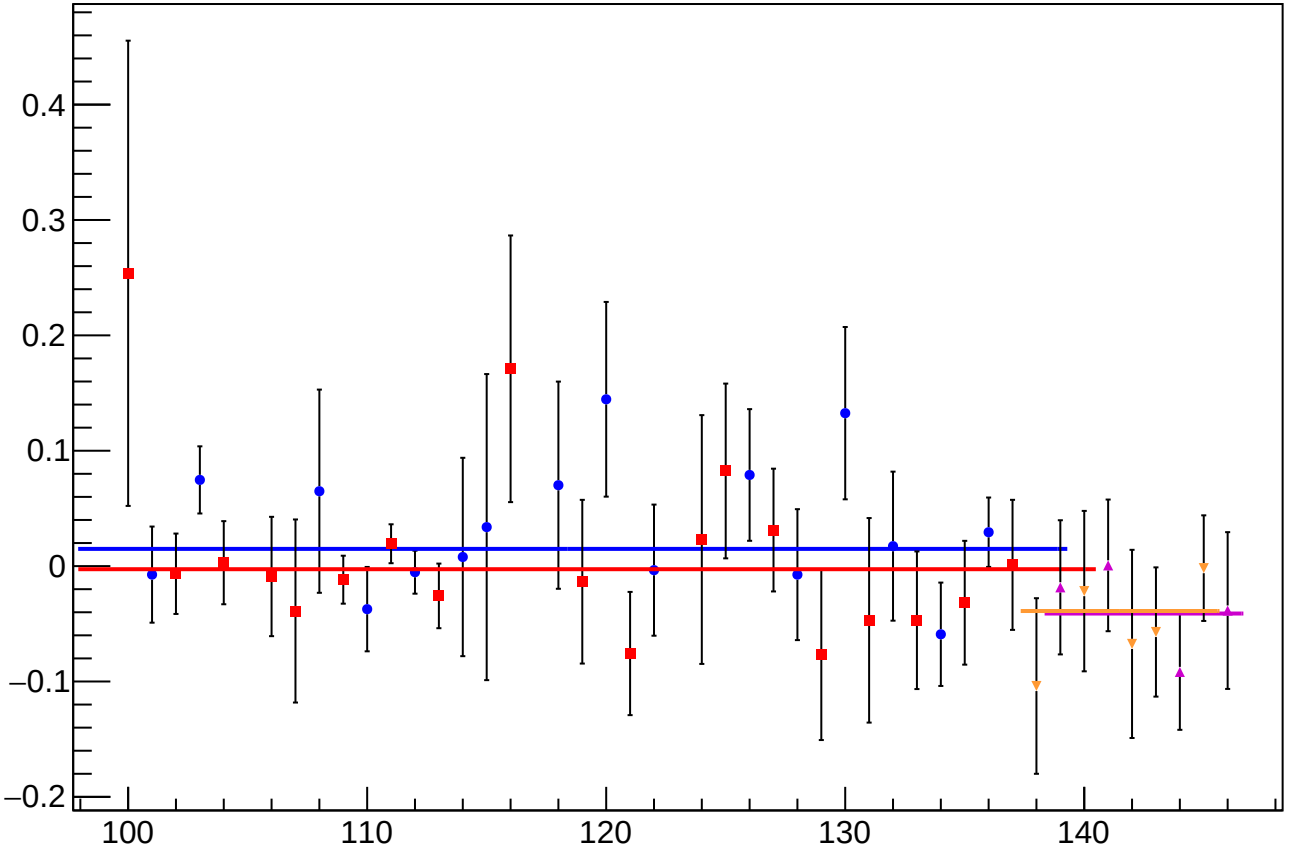
Left In: 0.002+/-0.000 χ^2/NDF:1815042.3/3

+ sign 0.002+/-0.000 χ^2/NDF: 4212185.9/20

All: 0.002+/-0.000 χ^2/NDF: 9324003.9/43

- sign 0.001+/-0.000 χ^2/NDF: 4871102.6/22

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.039+/-0.027 χ^2/NDF:1.7/4

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

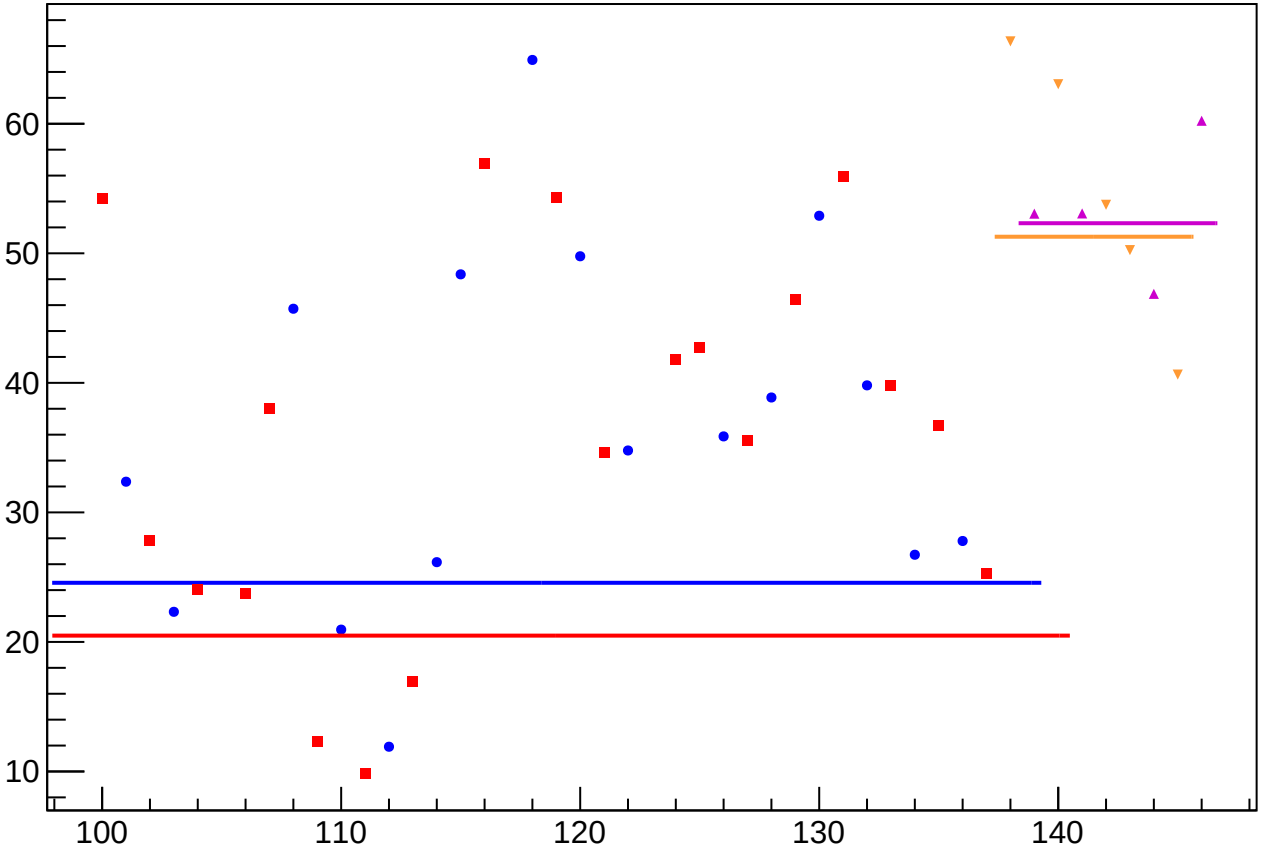
Left In: -0.041+/-0.029 χ^2/NDF:1.7/3

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/20

All: 0.000+/-0.007 χ^2/NDF: 39.7/43

- sign -0.006+/-0.009 χ^2/NDF: 15.8/22

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.280+/-0.019 χ^2/NDF:246534.4/4

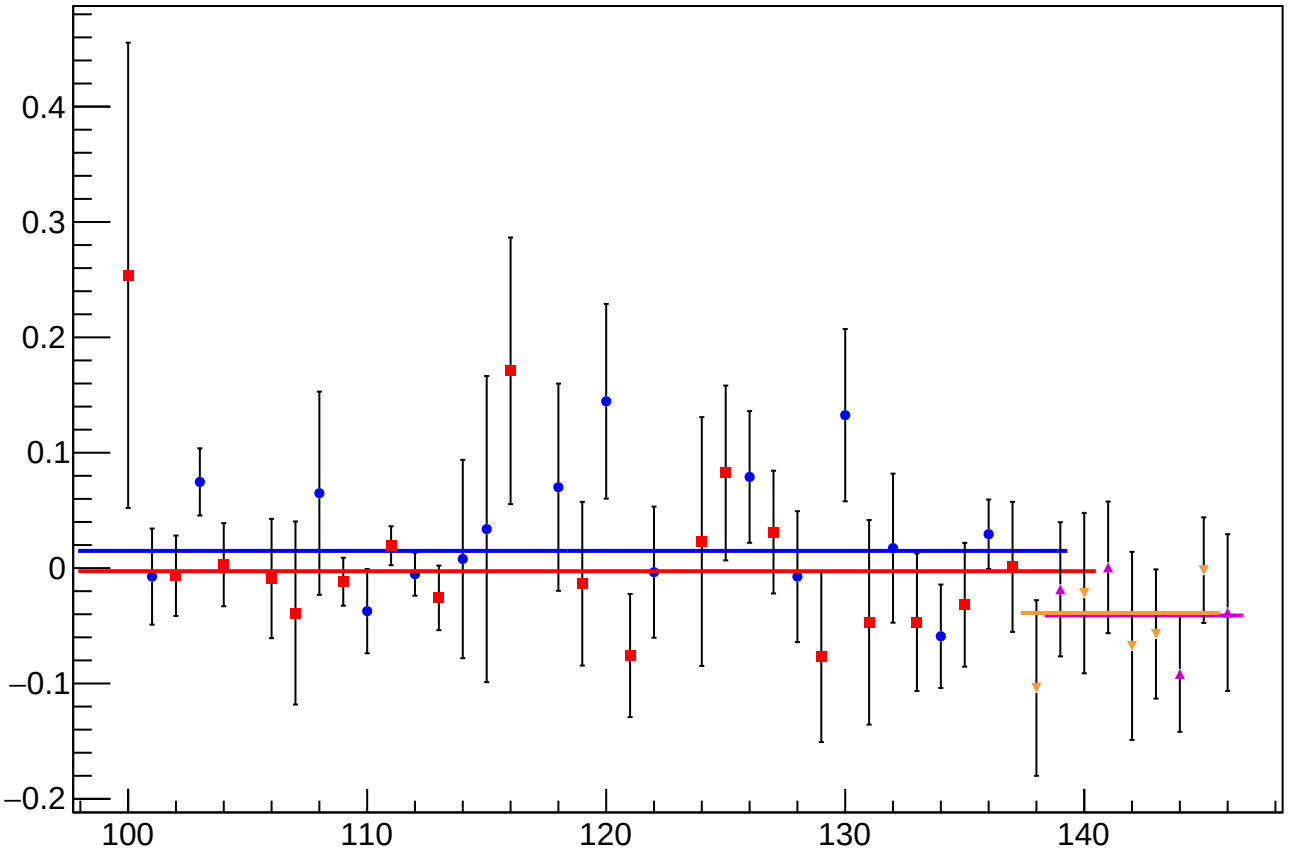
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.323+/-0.020 χ^2/NDF:51383.9/3

+ sign 28.023+/-0.007 χ^2/NDF: 4378914.3/20

All: 25.482+/-0.005 χ^2/NDF: 10485681.2/43

- sign 23.475+/-0.006 χ^2/NDF: 5869982.3/22



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.039+/-0.027 χ^2/NDF:1.7/4

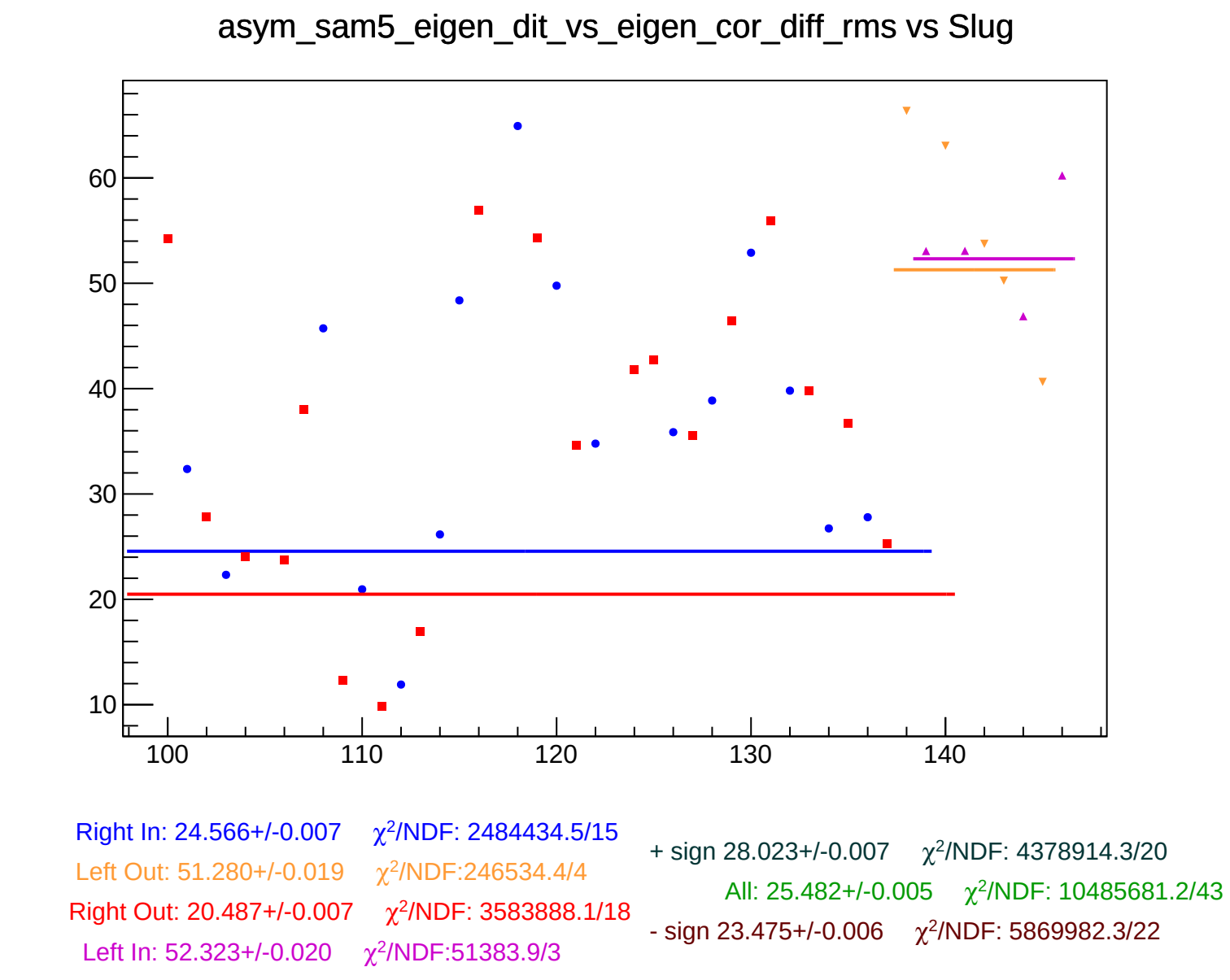
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.041+/-0.029 χ^2/NDF:1.7/3

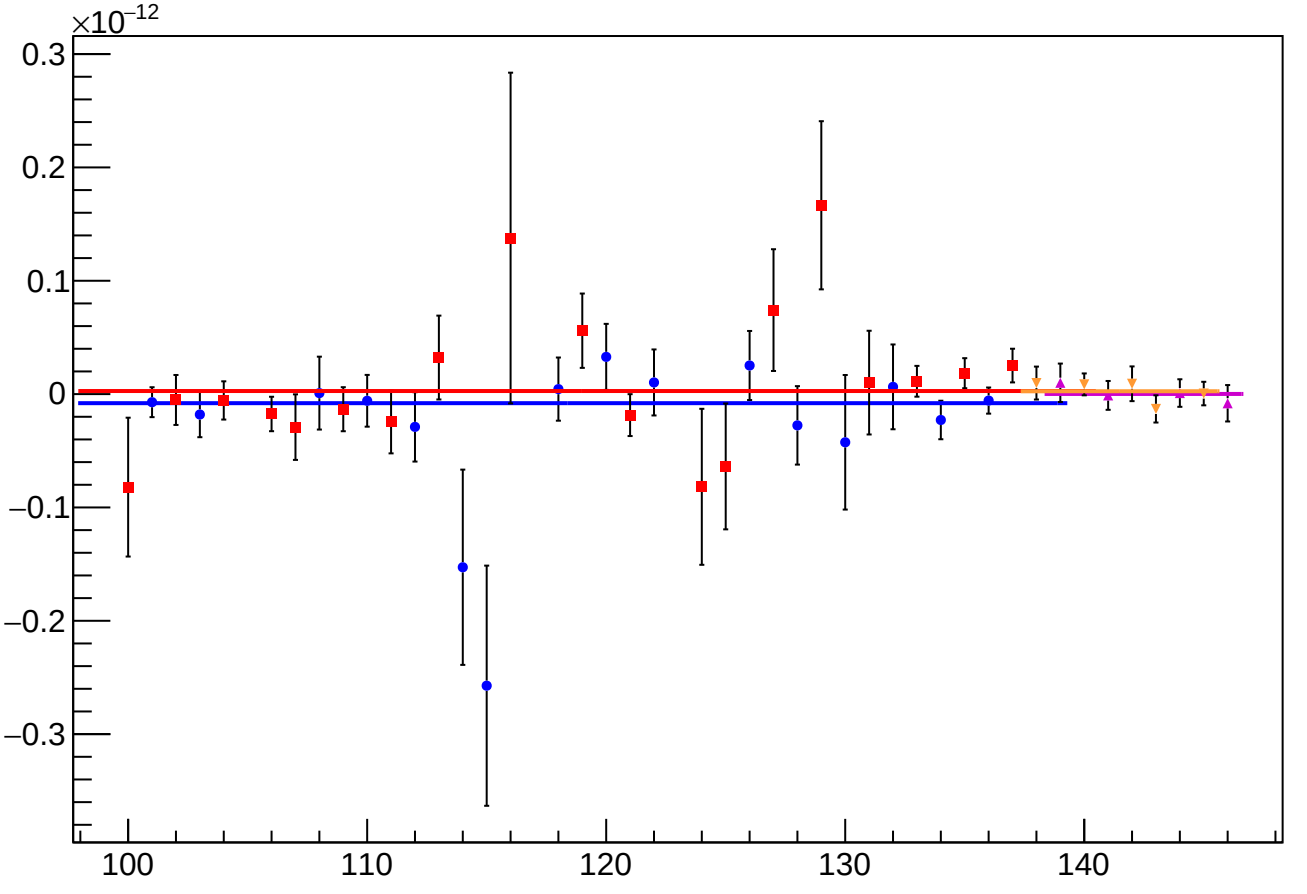
+ sign 0.008+/-0.010 χ^2/NDF: 22.8/20

All: 0.000+/-0.007 χ^2/NDF: 39.7/43

- sign -0.006+/-0.009 χ^2/NDF: 15.8/22


asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
Right In: 24.566+/-0.007 χ²/NDF: 2484434.5/15
Left Out: 51.280+/-0.019 χ²/NDF:246534.4/4
Right Out: 20.487+/-0.007 χ²/NDF: 3583888.1/18
Left In: 52.323+/-0.020 χ²/NDF:51383.9/3
+ sign 28.023+/-0.007 χ²/NDF: 4378914.3/20
All: 25.482+/-0.005 χ²/NDF: 10485681.2/43
- sign 23.475+/-0.006 χ²/NDF: 5869982.3/22

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:2.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

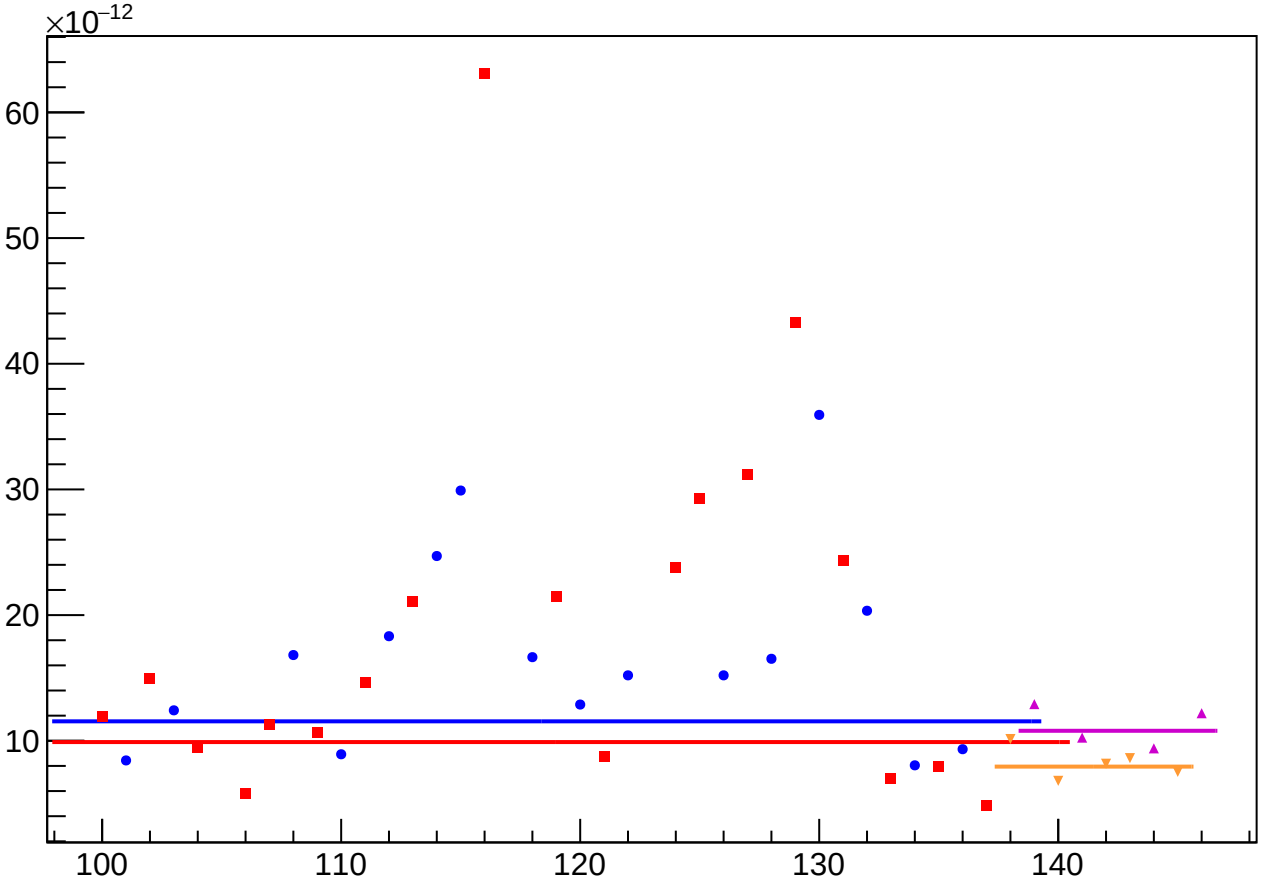
Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.9/20

All: -0.000+/-0.000 χ^2/NDF: 46.2/43

- sign 0.000+/-0.000 χ^2/NDF: 26.8/22

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:83119.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

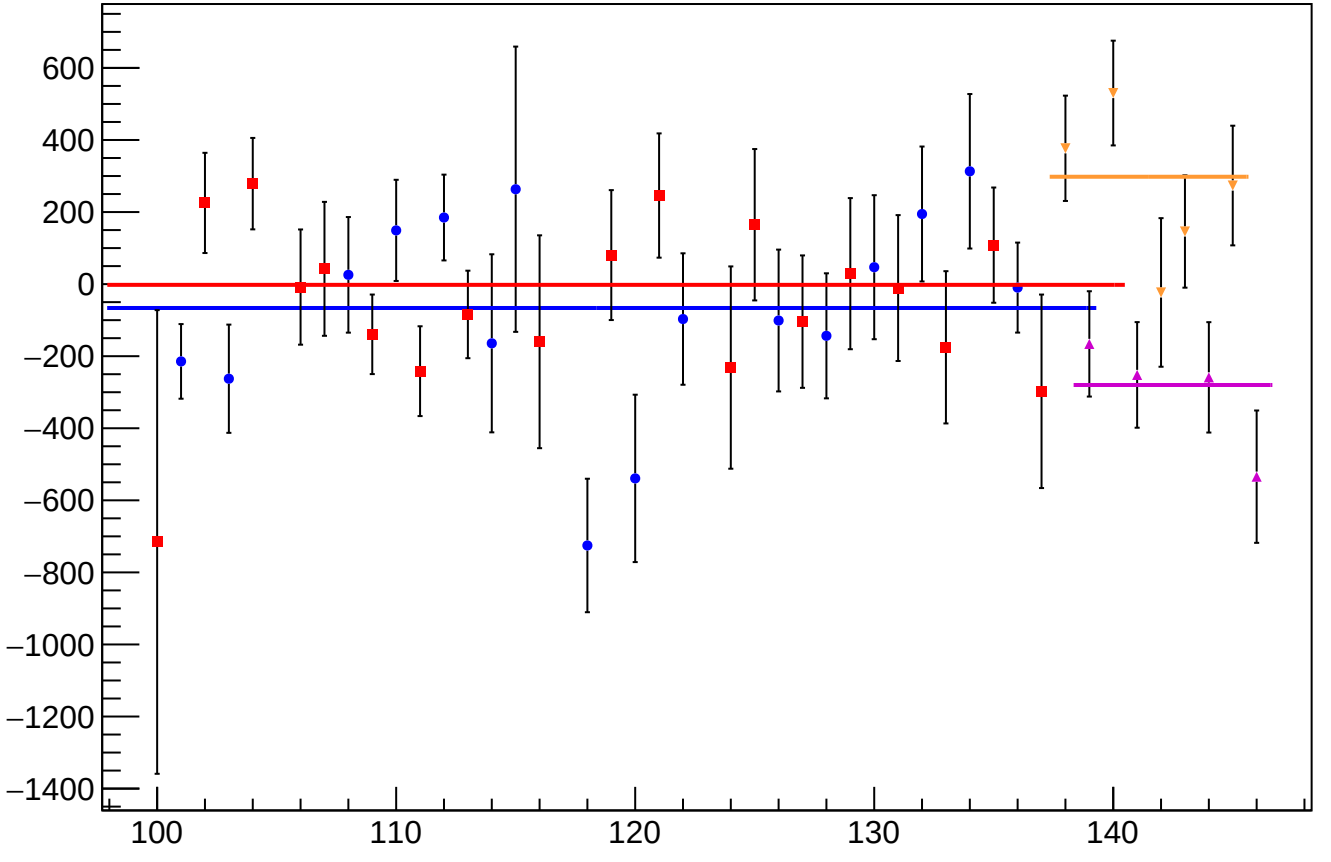
Left In: 0.000+/-0.000 χ^2/NDF:76624.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 1687200.5/20

All: 0.000+/-0.000 χ^2/NDF: 4445308.5/43

- sign 0.000+/-0.000 χ^2/NDF: 2733521.8/22

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.996+/-71.595 χ^2/NDF:6.2/4

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

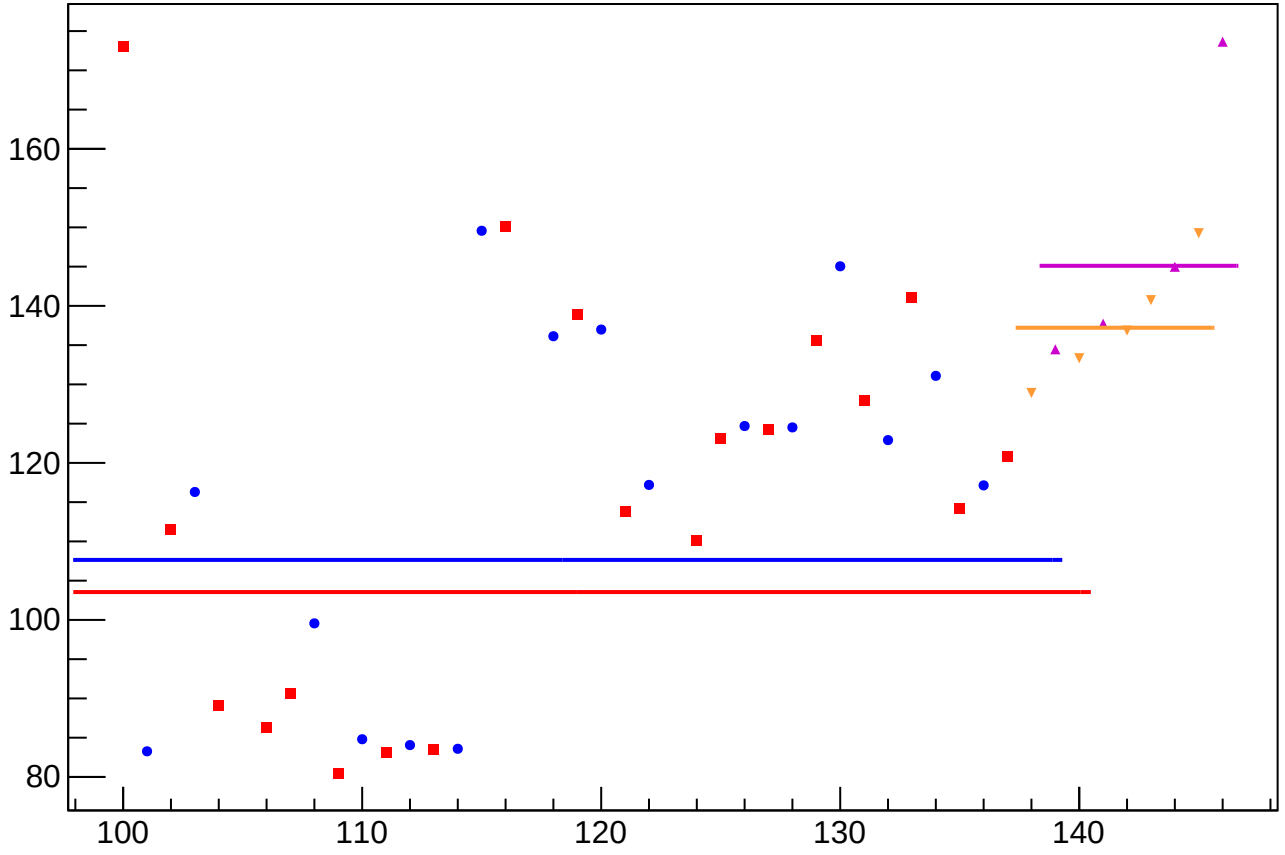
Left In: -279.935+/-77.696 χ^2/NDF:2.6/3

+ sign 23.511+/-35.538 χ^2/NDF: 60.1/20

All: -17.964+/-24.849 χ^2/NDF: 96.7/43

- sign -57.643+/-34.760 χ^2/NDF: 33.9/22

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 137.216+/-0.051 χ^2/NDF:19428.8/4

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

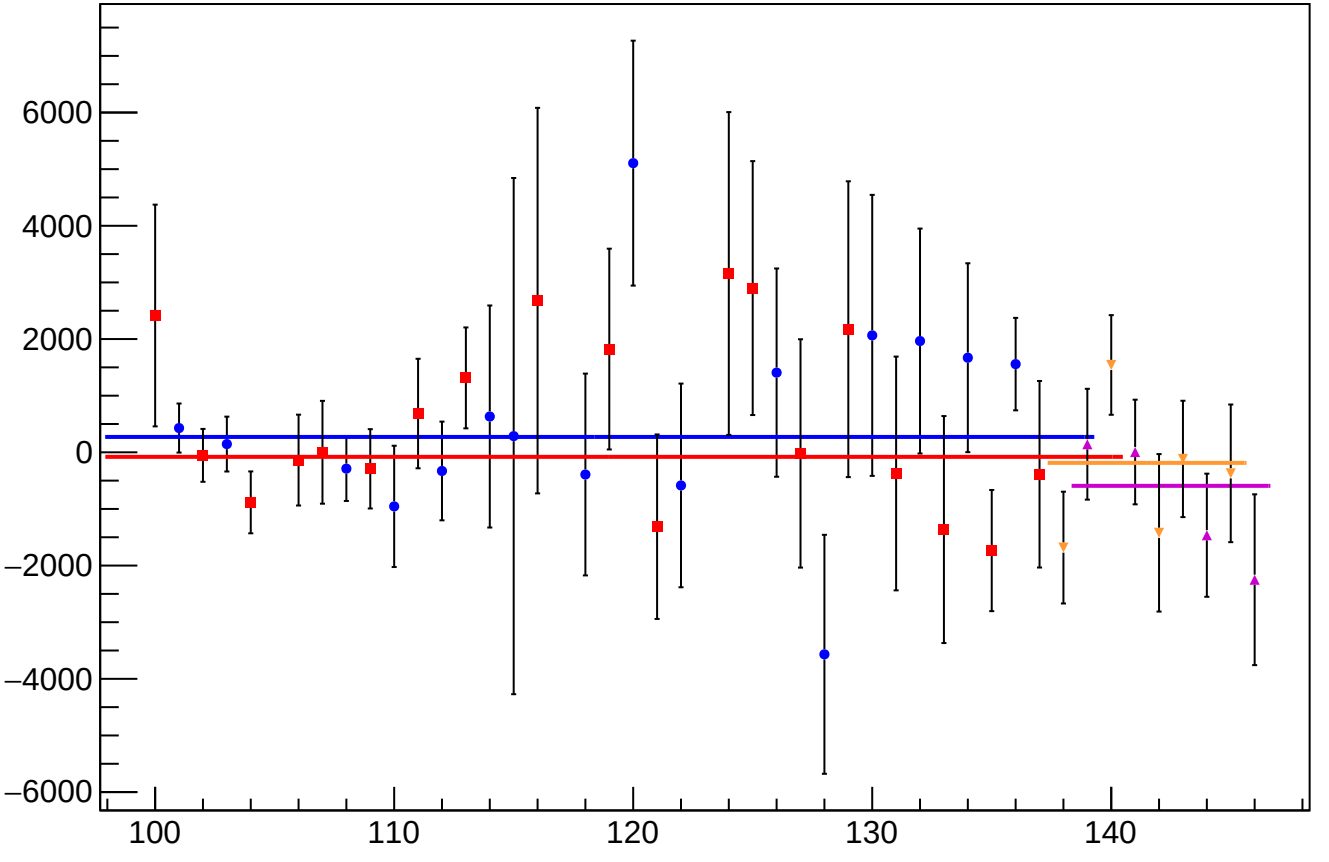
Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

\+ sign 114.930+/-0.025 χ^2/NDF: 809387.9/20

All: 113.365+/-0.018 χ^2/NDF: 1955887.0/43

\- sign 111.867+/-0.025 χ^2/NDF: 1138904.5/22

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: -186.604+/-473.512 χ^2/NDF:7.0/4

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

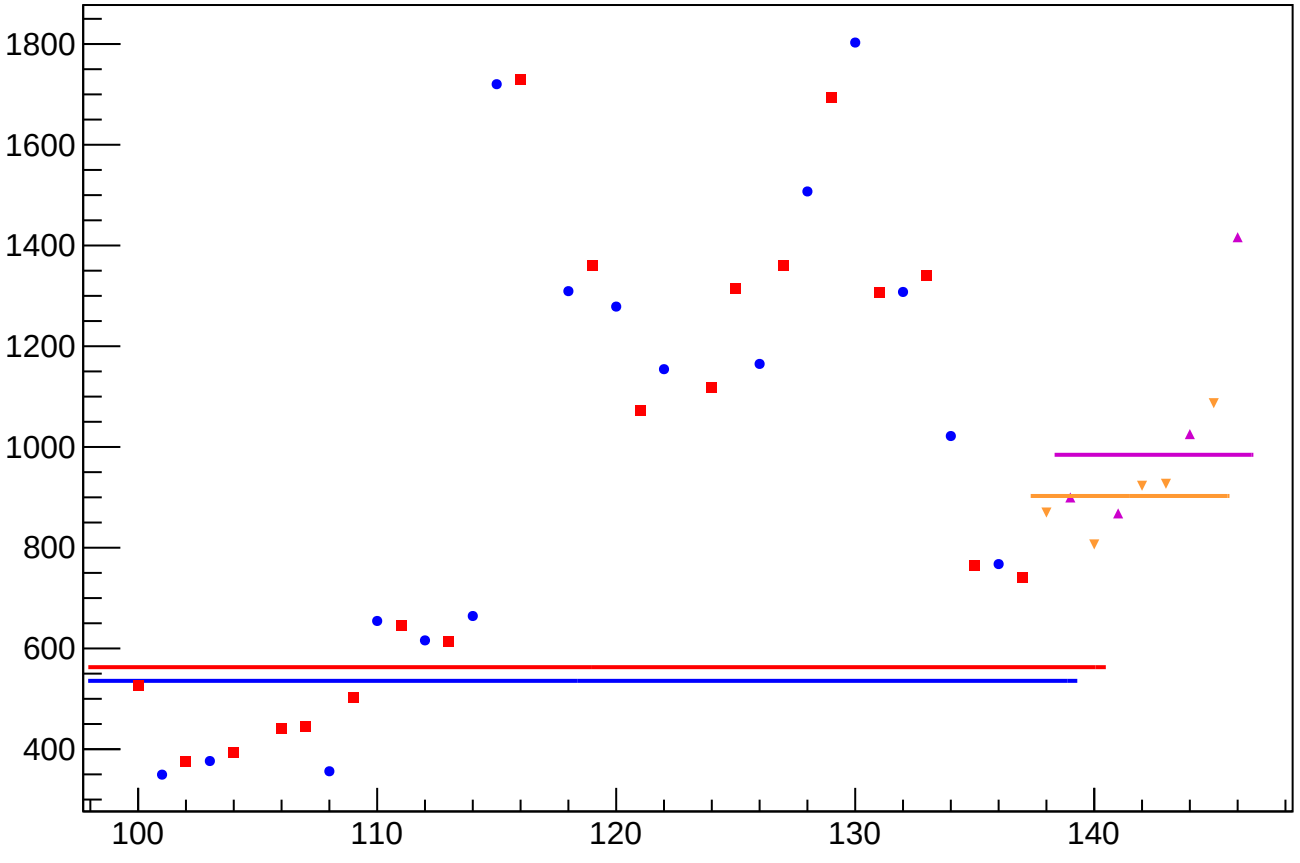
Left In: -591.921+/-534.406 χ^2/NDF:2.8/3

+ sign 183.646+/-207.367 χ^2/NDF: 24.2/20

All: 15.713+/-148.559 χ^2/NDF: 45.2/43

- sign -161.350+/-212.930 χ^2/NDF: 19.6/22

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 902.712+/-0.335 χ^2/NDF:73597.9/4

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

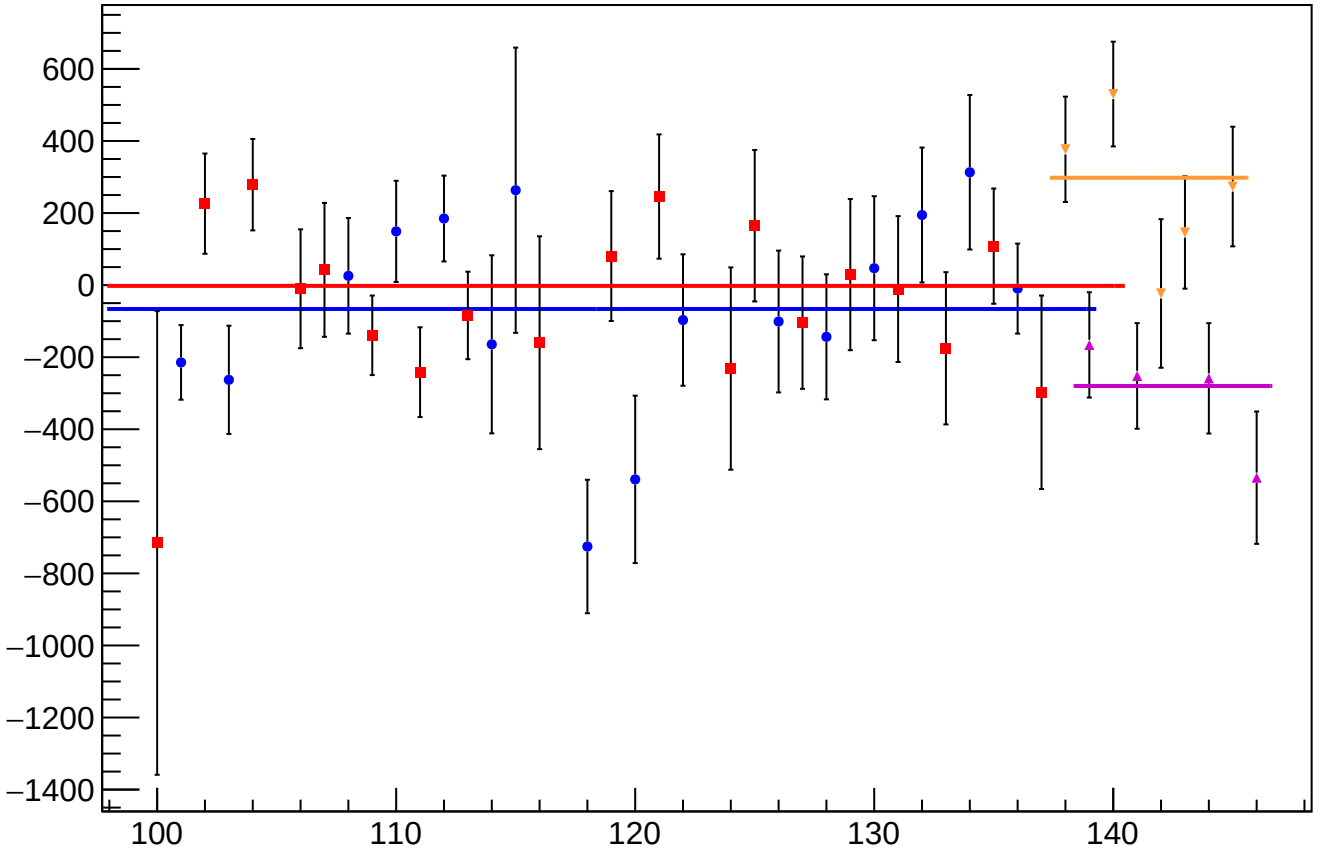
Left In: 984.476+/-0.378 χ^2/NDF:213649.4/3

+ sign 606.074+/-0.147 χ^2/NDF: 4677157.9/20

All: 617.614+/-0.105 χ^2/NDF: 9061869.5/43

- sign 629.781+/-0.151 χ^2/NDF: 4371987.5/22

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 298.000+/-71.595 χ^2/NDF:6.2/4

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

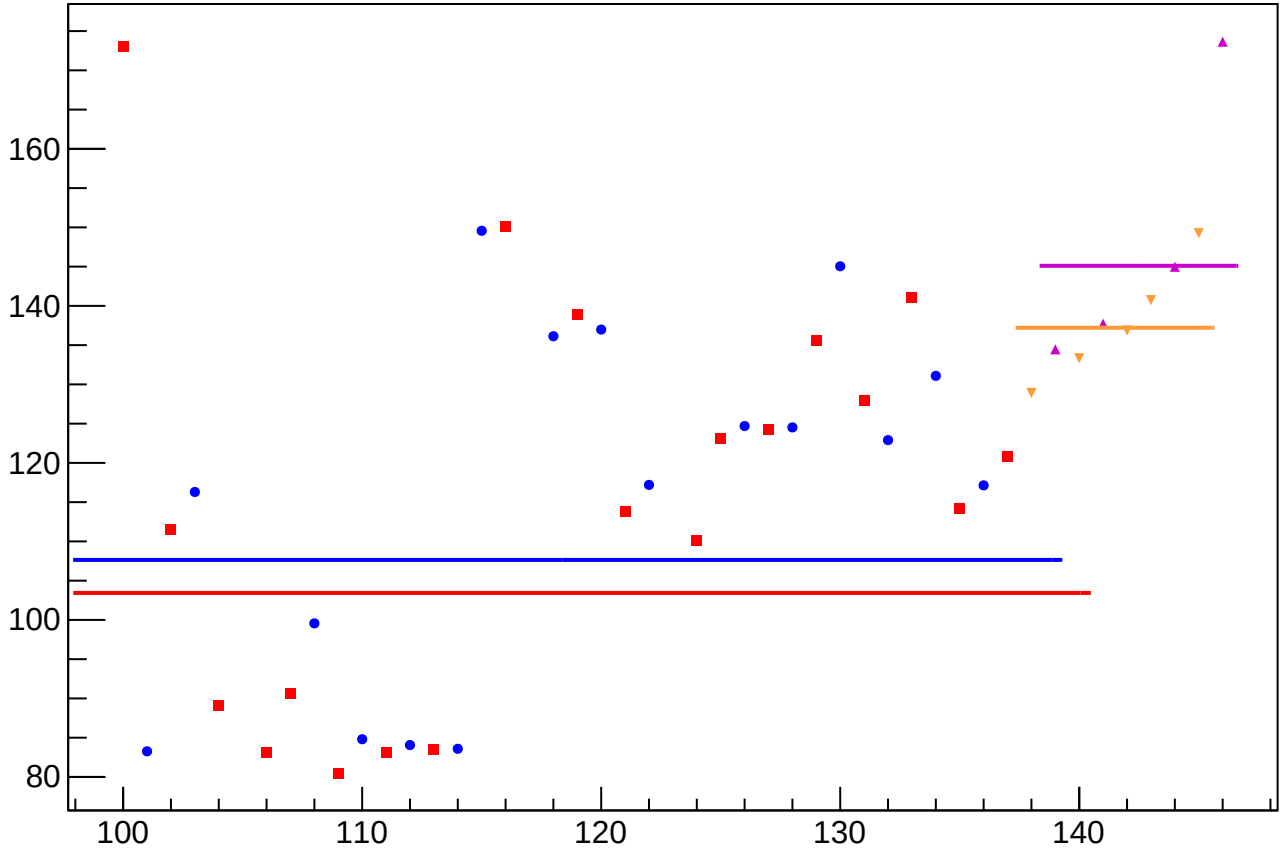
Left In: -279.940+/-77.696 χ^2/NDF:2.6/3

+ sign 23.493+/-35.538 χ^2/NDF: 60.2/20

All: -18.015+/-24.868 χ^2/NDF: 96.8/43

- sign -57.841+/-34.810 χ^2/NDF: 33.9/22

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 137.216+/-0.051 χ^2/NDF:19428.8/4

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

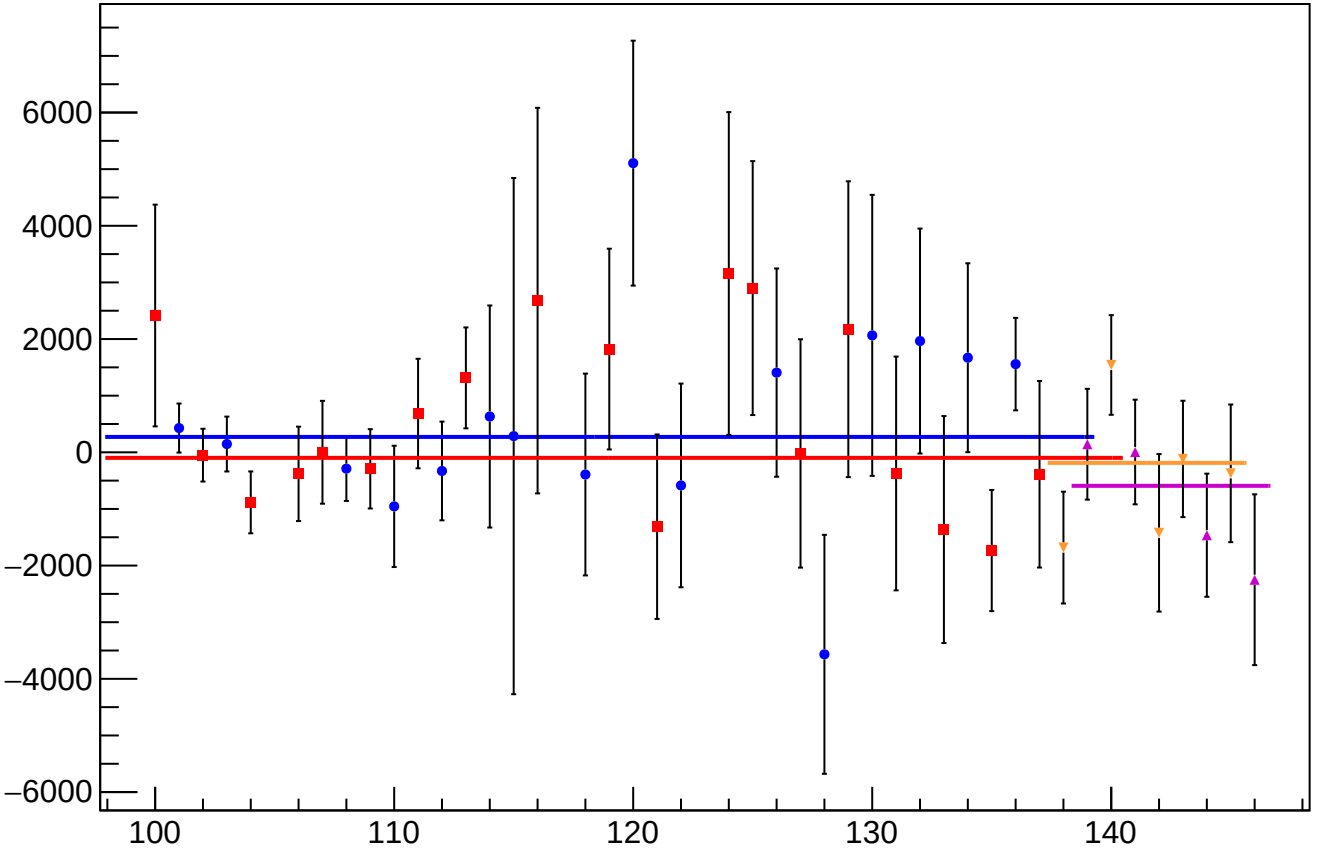
Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

+ sign 114.930+/-0.025 χ^2/NDF: 809388.1/20

All: 113.333+/-0.018 χ^2/NDF: 1965748.5/43

- sign 111.801+/-0.025 χ^2/NDF: 1148448.4/22

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -186.589+/-473.512 χ^2/NDF:7.0/4

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

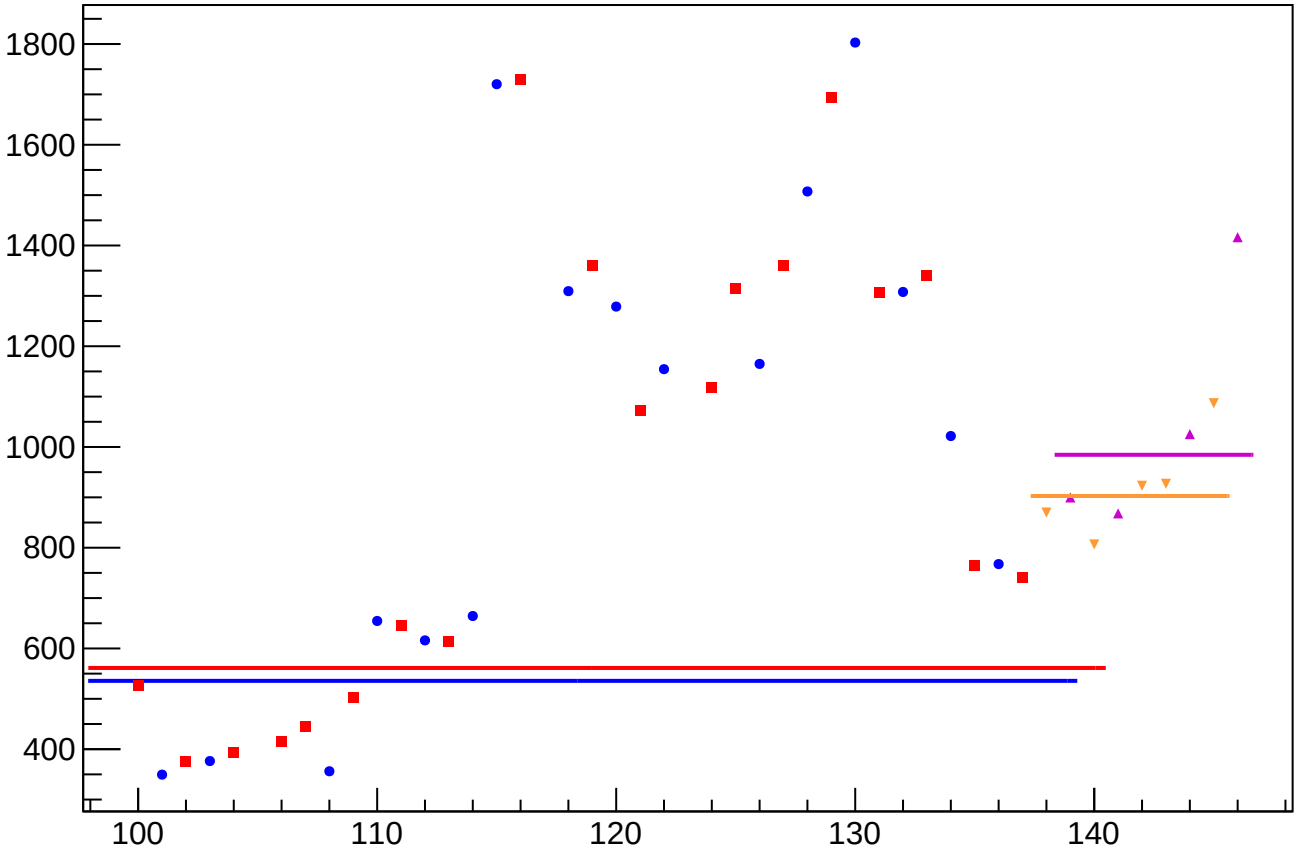
Left In: -591.908+/-534.407 χ^2/NDF:2.8/3

+ sign 183.766+/-207.362 χ^2/NDF: 24.2/20

All: 8.746+/-148.721 χ^2/NDF: 45.4/43

- sign -176.639+/-213.414 χ^2/NDF: 19.7/22

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 902.712+/-0.335 χ^2/NDF:73598.1/4

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

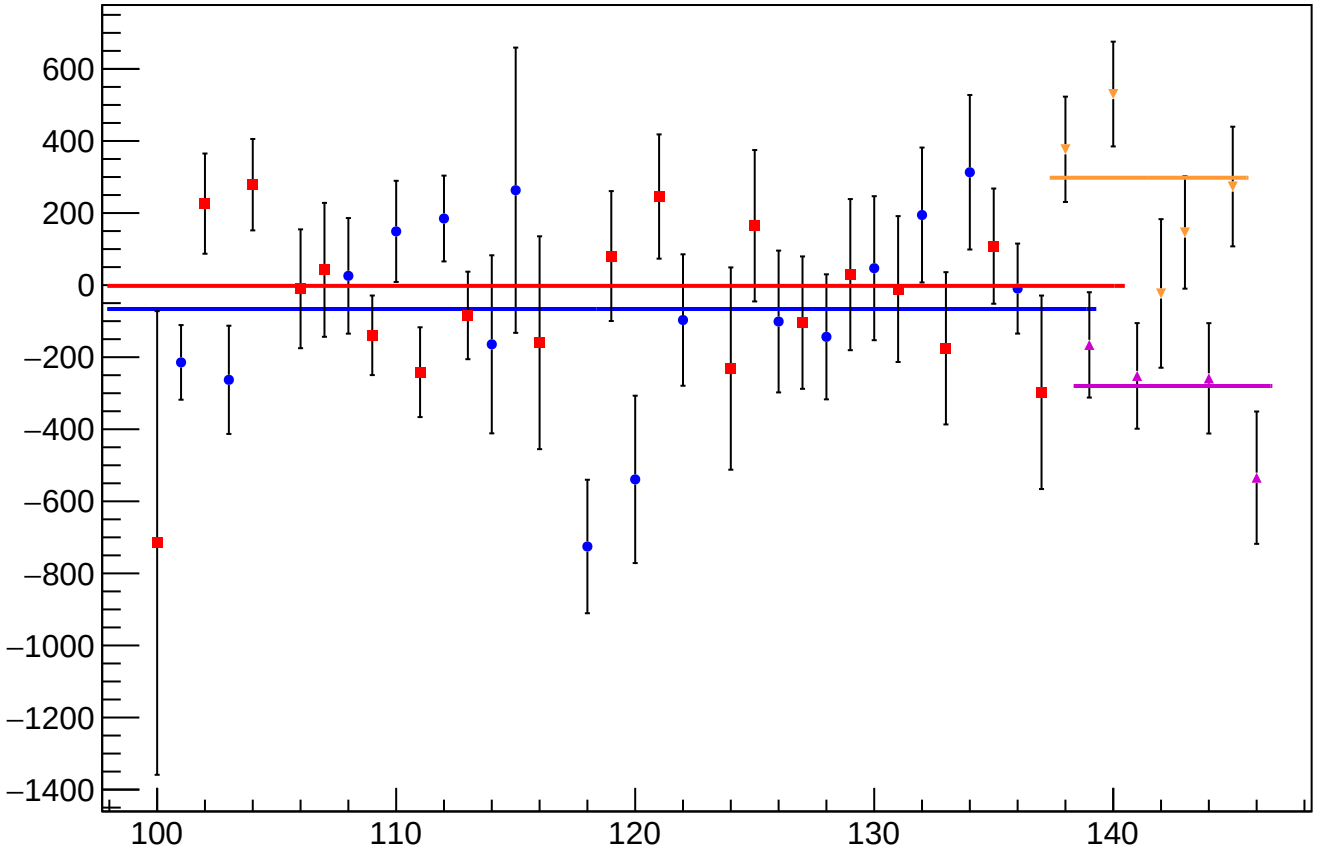
Left In: 984.476+/-0.378 χ^2/NDF:213649.6/3

+ sign 606.053+/-0.147 χ^2/NDF: 4677484.4/20

All: 617.081+/-0.105 χ^2/NDF: 9087784.1/43

- sign 628.762+/-0.151 χ^2/NDF: 4398652.0/22

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 298.000+/-71.595 χ^2/NDF:6.2/4

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

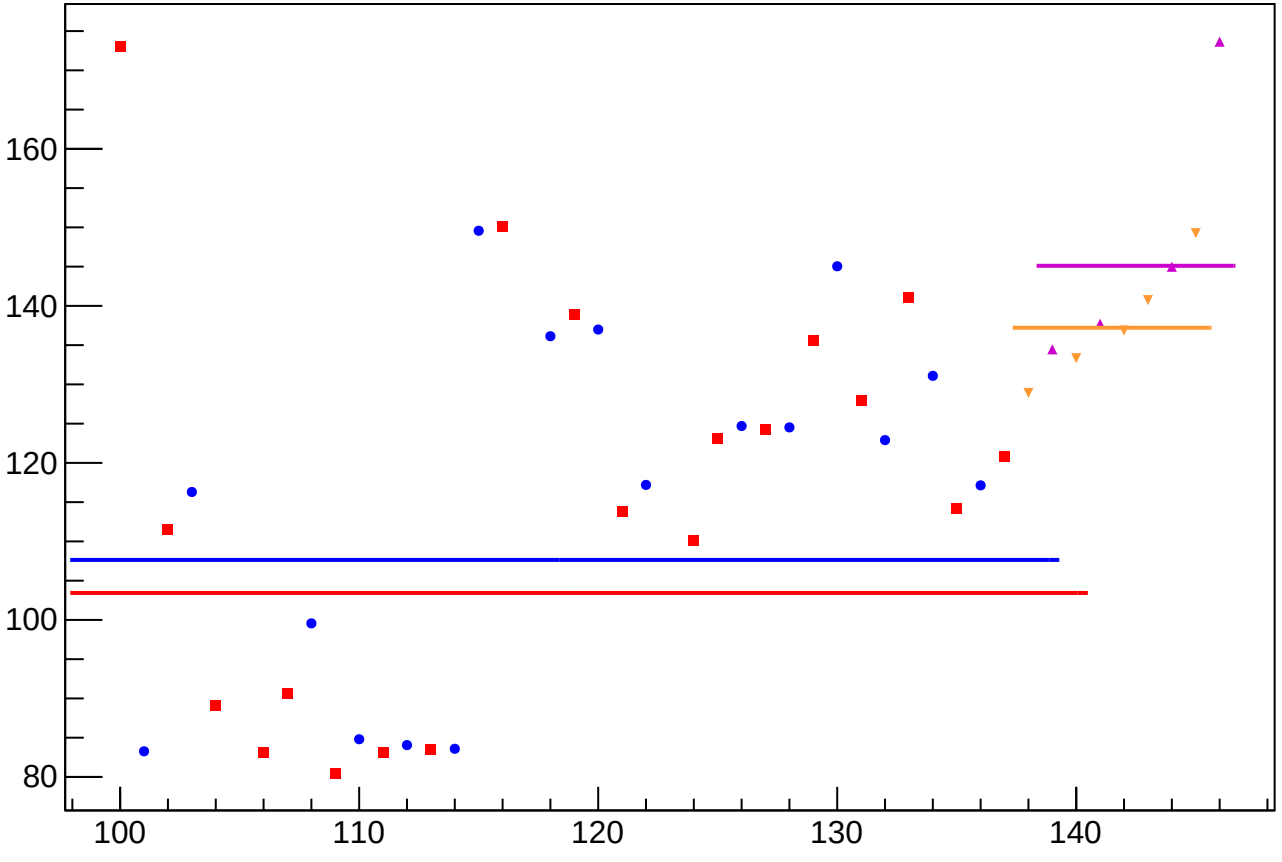
Left In: -279.940+/-77.696 χ^2/NDF:2.6/3

+ sign 23.493+/-35.538 χ^2/NDF: 60.2/20

All: -18.015+/-24.868 χ^2/NDF: 96.8/43

- sign -57.841+/-34.810 χ^2/NDF: 33.9/22

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 137.216+/-0.051 χ^2/NDF:19428.8/4

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

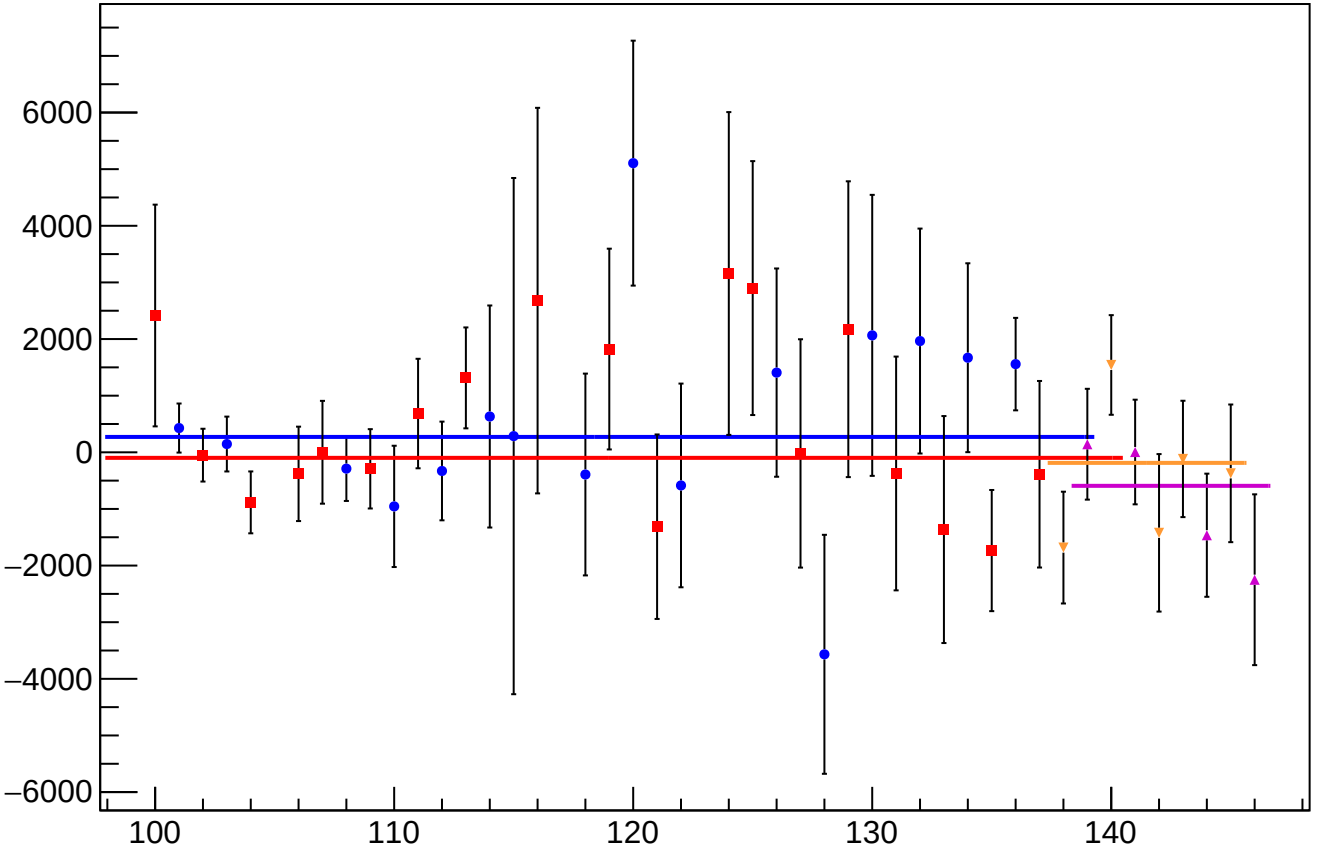
Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

+ sign 114.930+/-0.025 χ^2/NDF: 809388.1/20

All: 113.333+/-0.018 χ^2/NDF: 1965748.5/43

- sign 111.801+/-0.025 χ^2/NDF: 1148448.4/22

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -186.589+/-473.512 χ^2/NDF:7.0/4

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

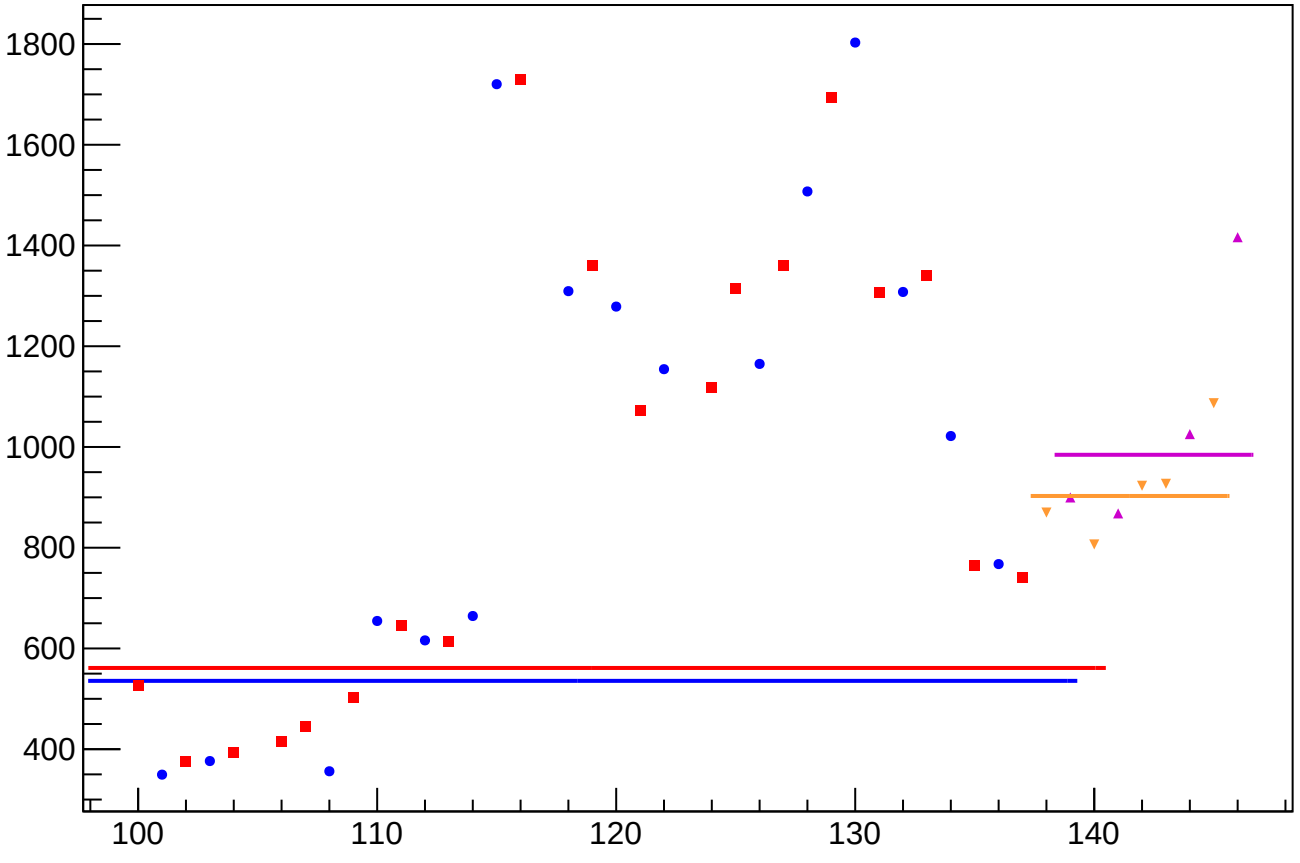
Left In: -591.908+/-534.407 χ^2/NDF:2.8/3

+ sign 183.766+/-207.362 χ^2/NDF: 24.2/20

All: 8.746+/-148.721 χ^2/NDF: 45.4/43

- sign -176.639+/-213.414 χ^2/NDF: 19.7/22

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 902.712+/-0.335 χ^2/NDF:73598.1/4

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

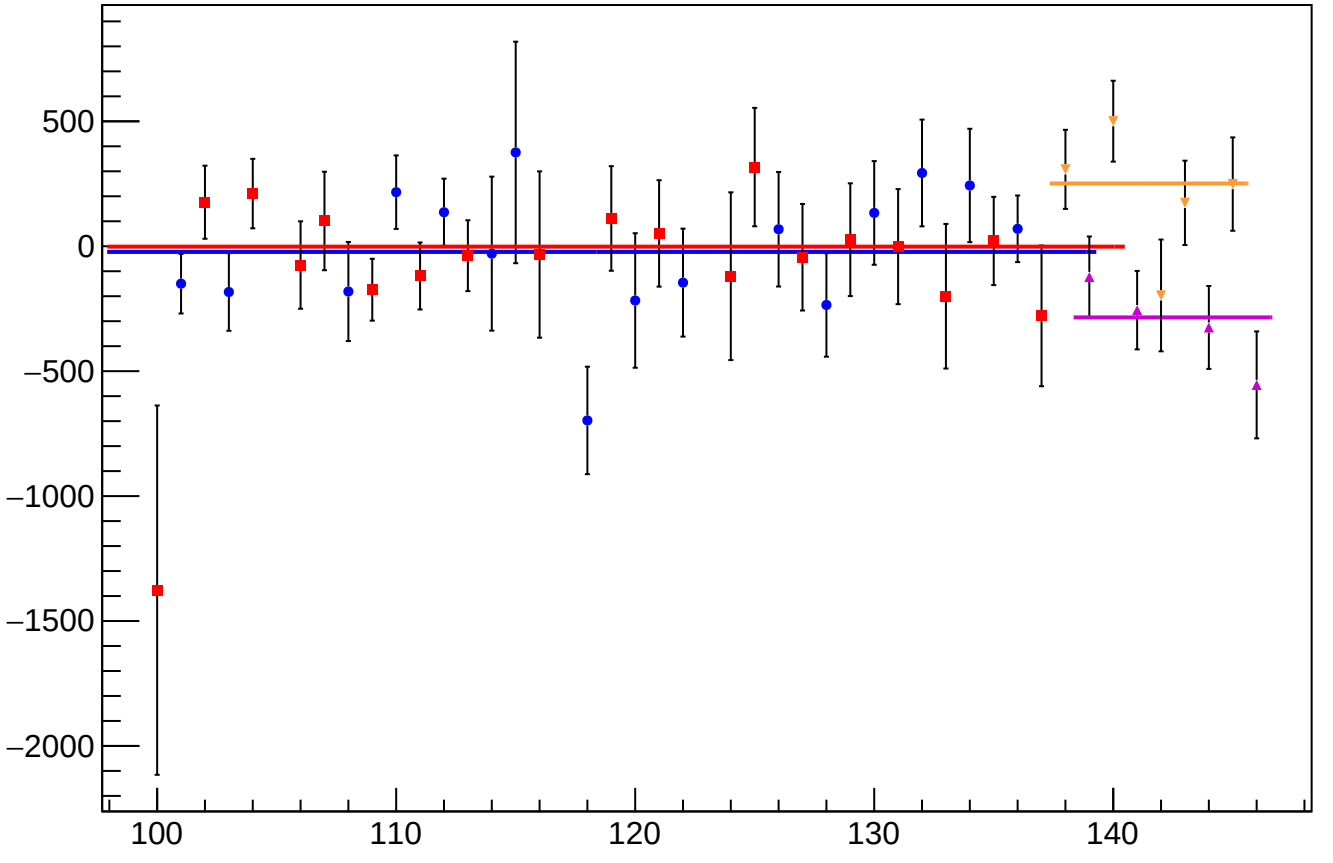
Left In: 984.476+/-0.378 χ^2/NDF:213649.6/3

+ sign 606.053+/-0.147 χ^2/NDF: 4677484.4/20

All: 617.081+/-0.105 χ^2/NDF: 9087784.1/43

- sign 628.762+/-0.151 χ^2/NDF: 4398652.0/22

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.336+/-78.604 χ^2/NDF:6.7/4

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

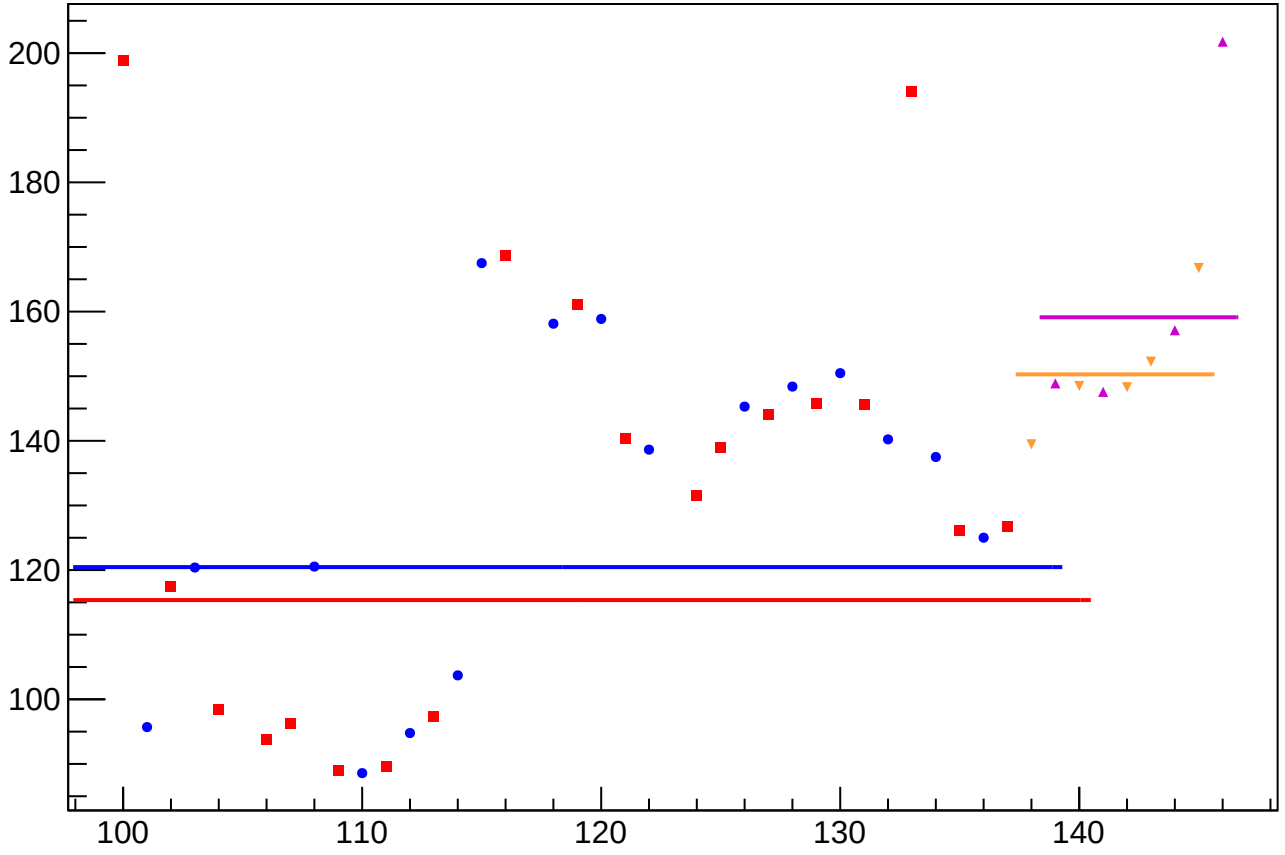
Left In: -284.780+/-85.480 χ^2/NDF:2.7/3

+ sign 47.017+/-39.642 χ^2/NDF: 40.0/20

All: -7.614+/-27.734 χ^2/NDF: 69.4/43

- sign -59.984+/-38.813 χ^2/NDF: 25.7/22

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 150.286+/-0.056 χ^2/NDF:25556.7/4

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

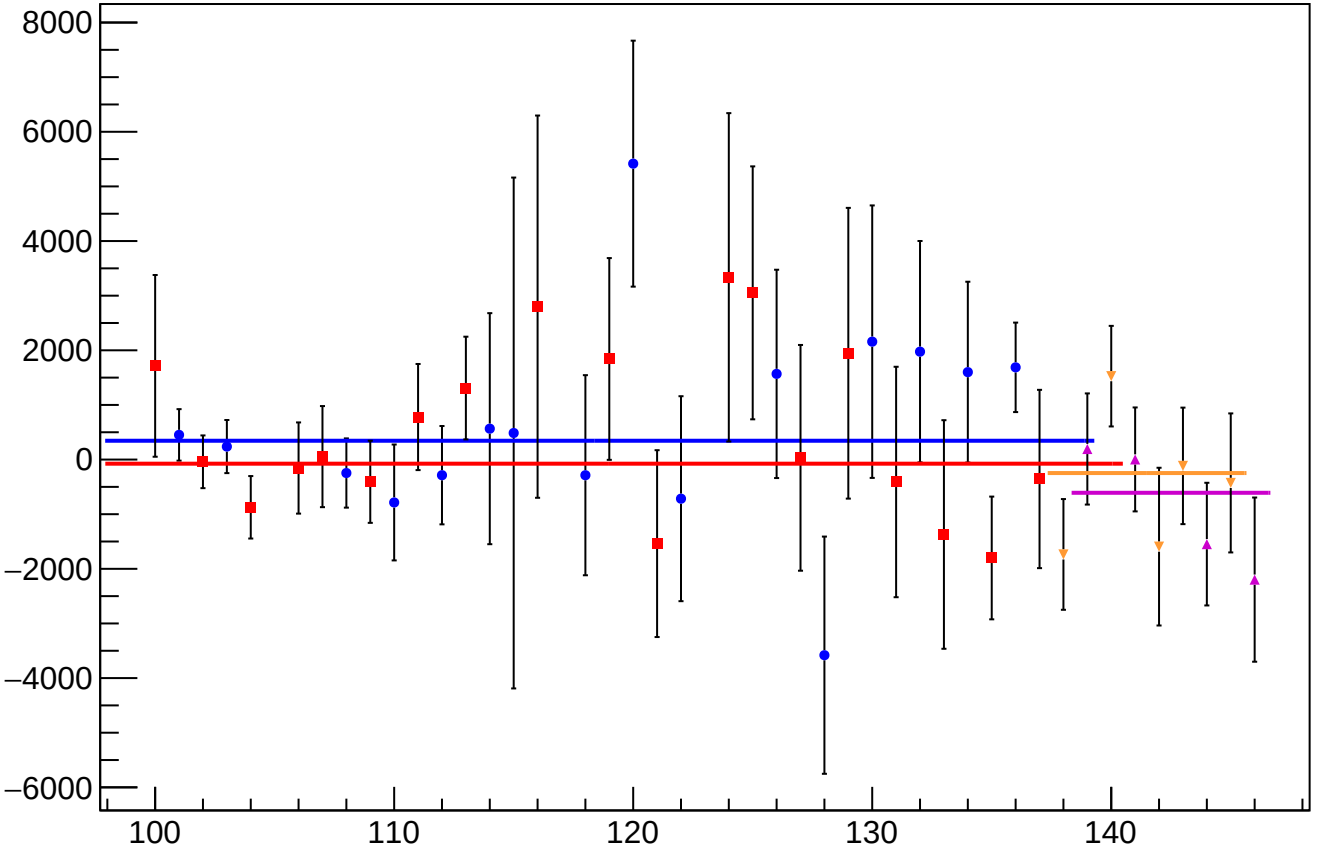
Left In: 159.121+/-0.060 χ^2/NDF:98520.6/3

+ sign 128.045+/-0.028 χ^2/NDF: 770628.2/20

All: 126.174+/-0.020 χ^2/NDF: 2061267.2/43

- sign 124.380+/-0.027 χ^2/NDF: 1281911.0/22

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -246.861+/-492.049 χ^2/NDF:6.8/4

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

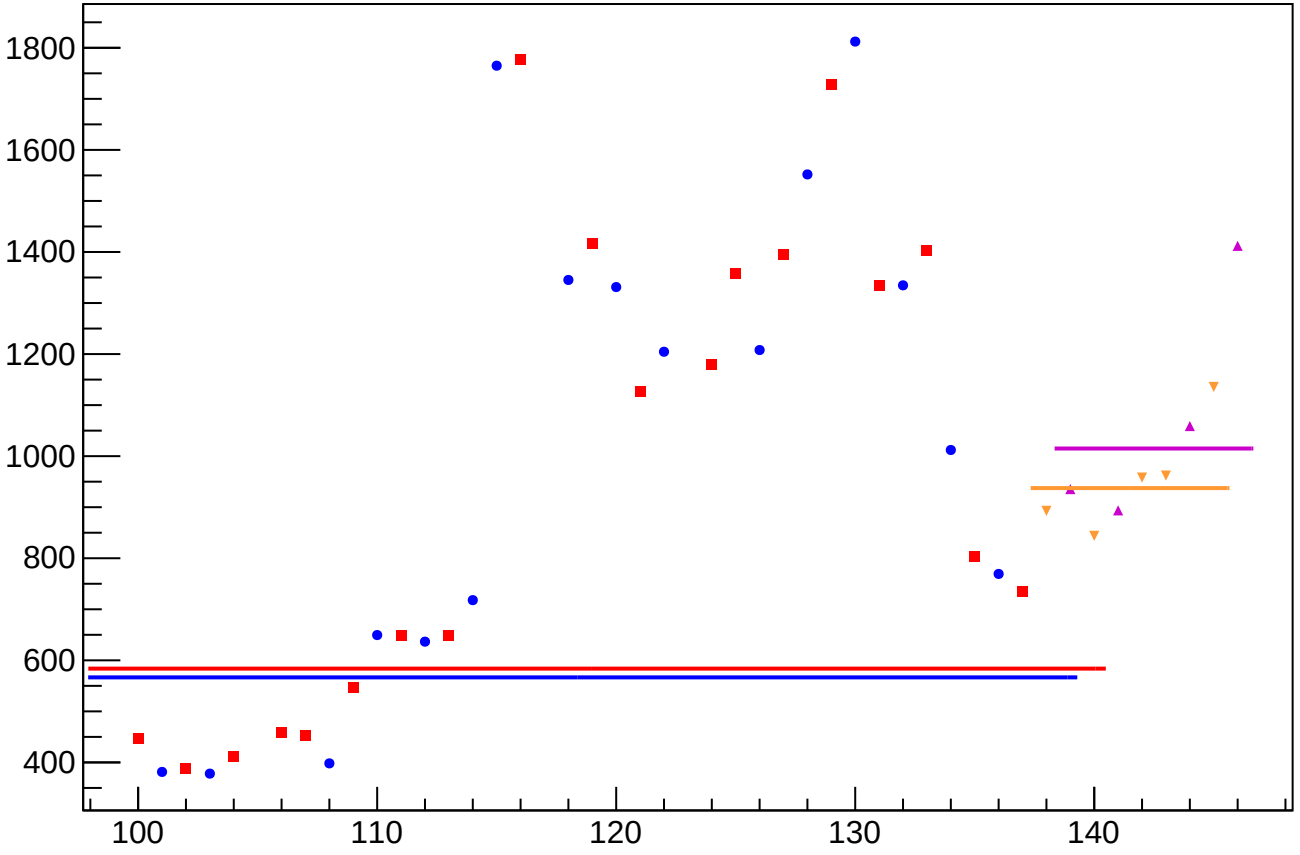
Left In: -608.155+/-549.879 χ^2/NDF:2.9/3

+ sign 229.626+/-216.819 χ^2/NDF: 24.2/20

All: 37.469+/-154.541 χ^2/NDF: 44.7/43

- sign -160.963+/-220.330 χ^2/NDF: 18.9/22

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 937.471+/-0.348 χ^2/NDF:74492.3/4

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

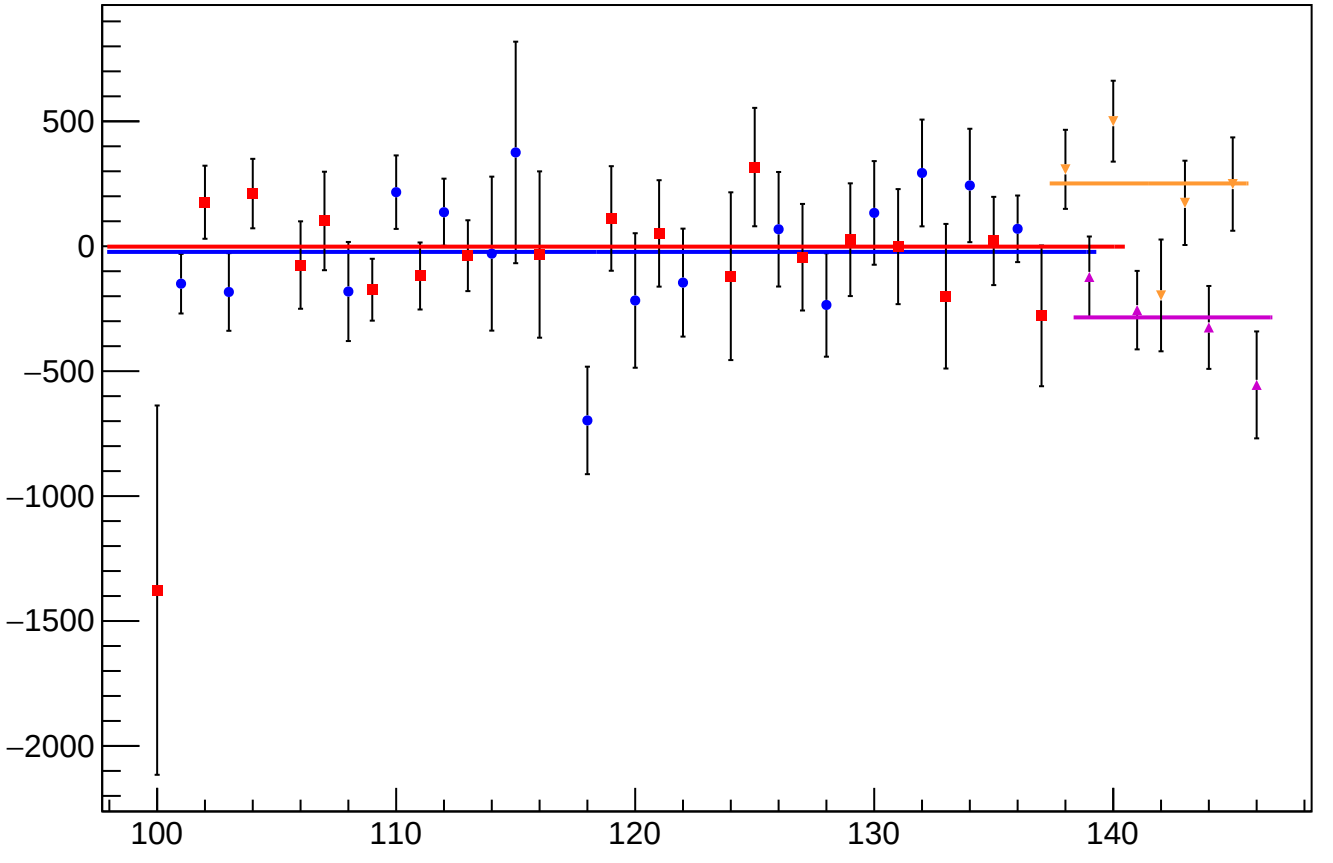
Left In: 1014.984+/-0.389 χ^2/NDF:187350.8/3

+ sign 638.614+/-0.153 χ^2/NDF: 4422513.2/20

All: 645.702+/-0.109 χ^2/NDF: 8754073.5/43

- sign 653.022+/-0.156 χ^2/NDF: 4327215.1/22

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.340+/-78.604 χ^2/NDF:6.7/4

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

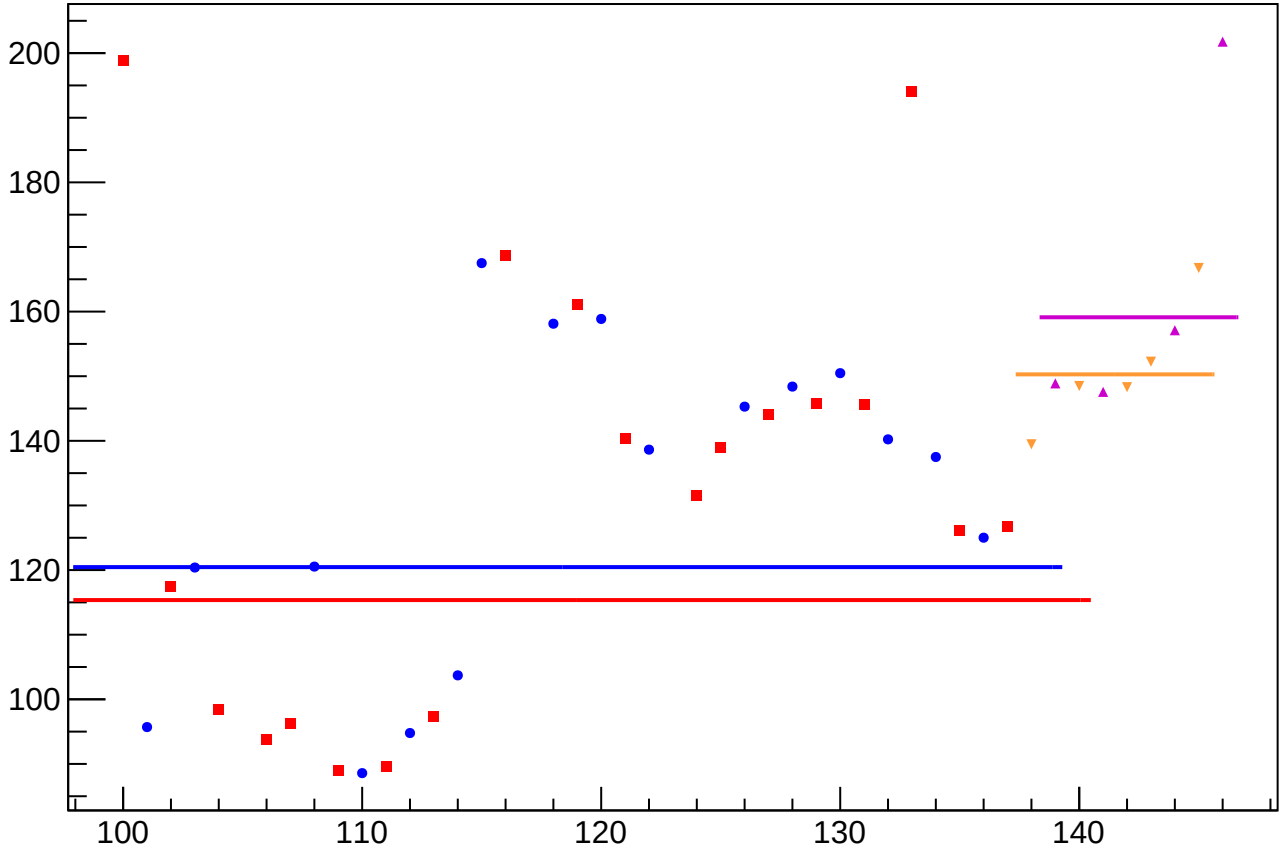
Left In: -284.778+/-85.480 χ^2/NDF:2.7/3

+ sign 47.016+/-39.642 χ^2/NDF: 40.0/20

All: -7.615+/-27.734 χ^2/NDF: 69.4/43

- sign -59.985+/-38.813 χ^2/NDF: 25.7/22

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 150.286+/-0.056 χ^2/NDF:25555.8/4

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

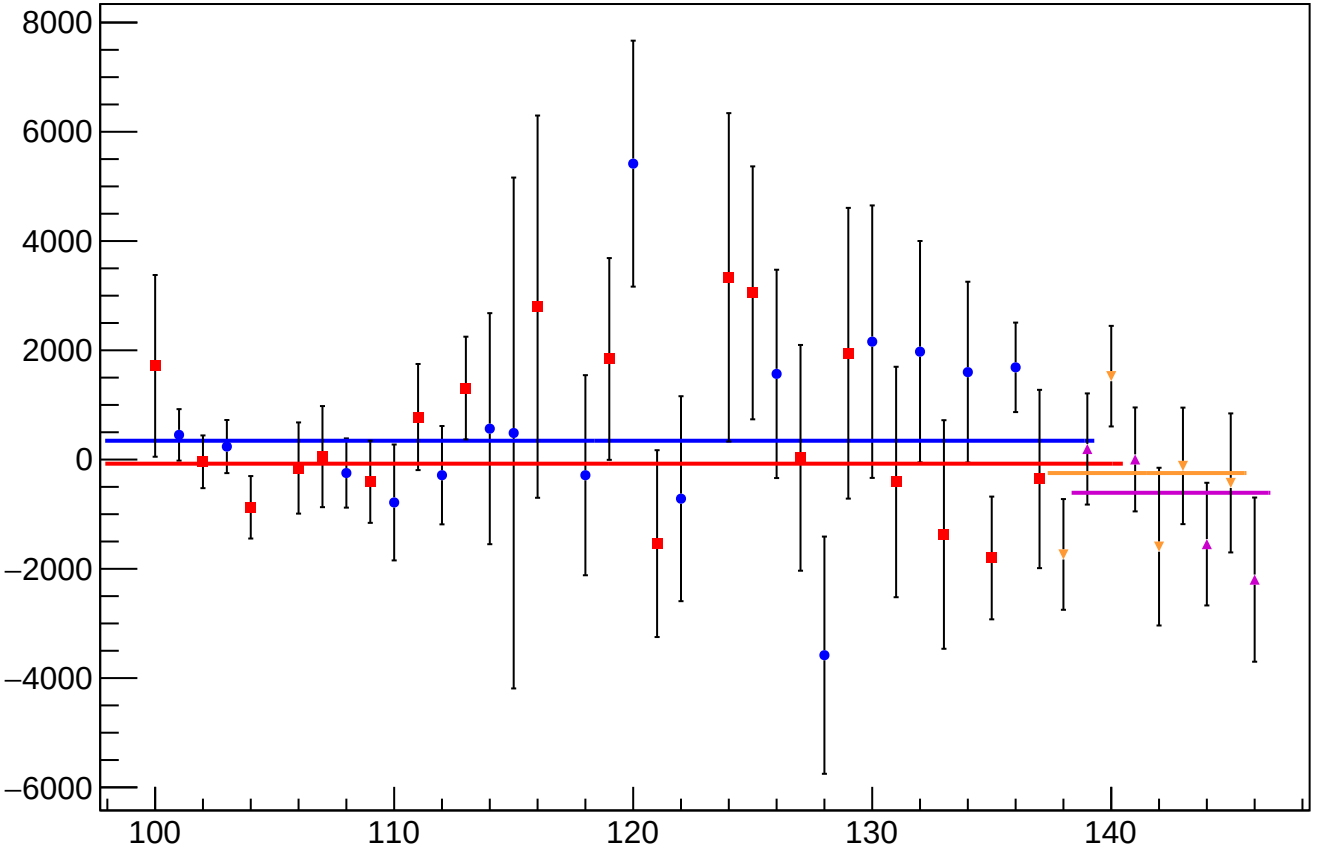
Left In: 159.120+/-0.060 χ^2/NDF:98521.2/3

+ sign 128.045+/-0.028 χ^2/NDF: 770631.9/20

All: 126.173+/-0.020 χ^2/NDF: 2061271.1/43

- sign 124.380+/-0.027 χ^2/NDF: 1281911.5/22

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -246.855+/-492.049 χ^2/NDF:6.8/4

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

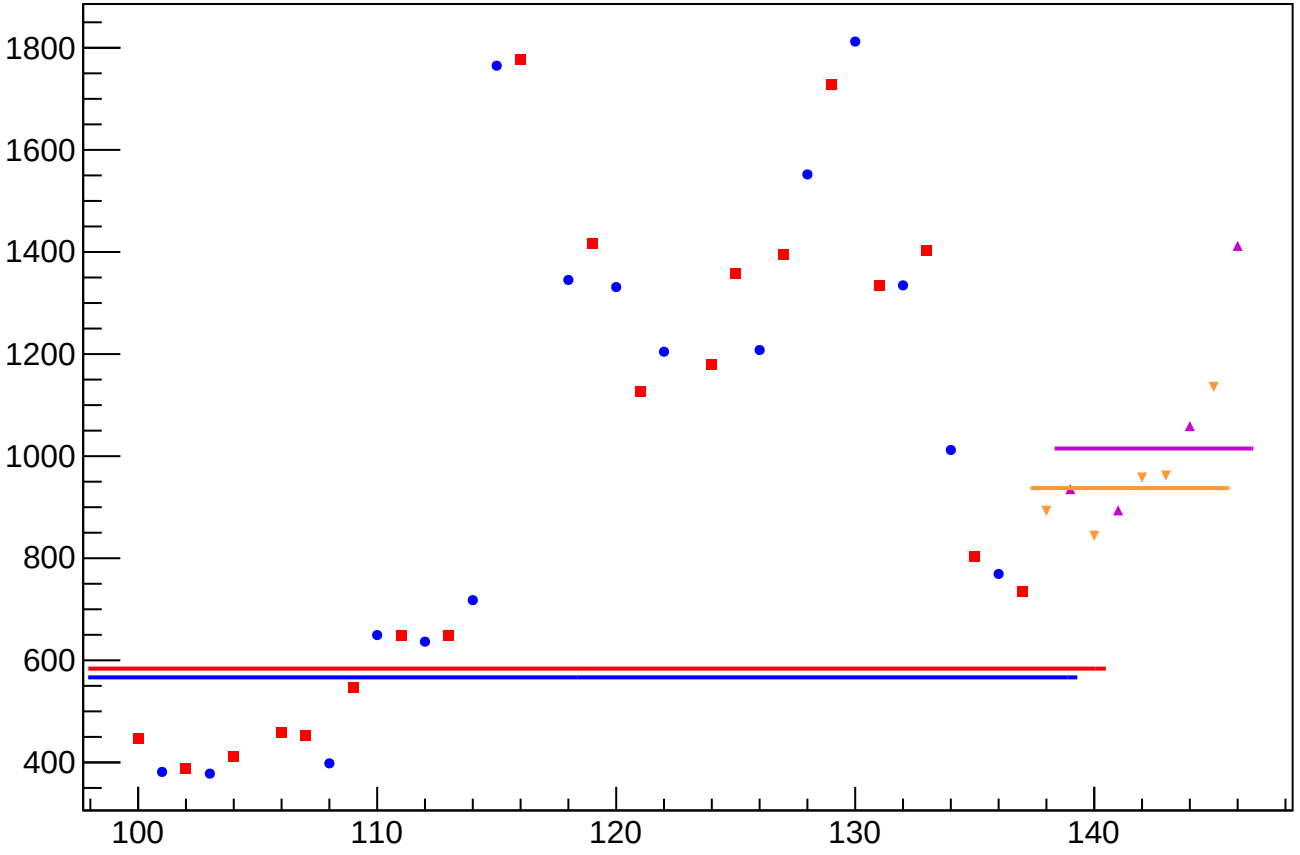
Left In: -608.153+/-549.878 χ^2/NDF:2.9/3

\+ sign 229.627+/-216.818 χ^2/NDF: 24.2/20

All: 37.469+/-154.540 χ^2/NDF: 44.7/43

\- sign -160.964+/-220.330 χ^2/NDF: 18.9/22

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 937.470+/-0.348 χ^2/NDF:74492.1/4

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

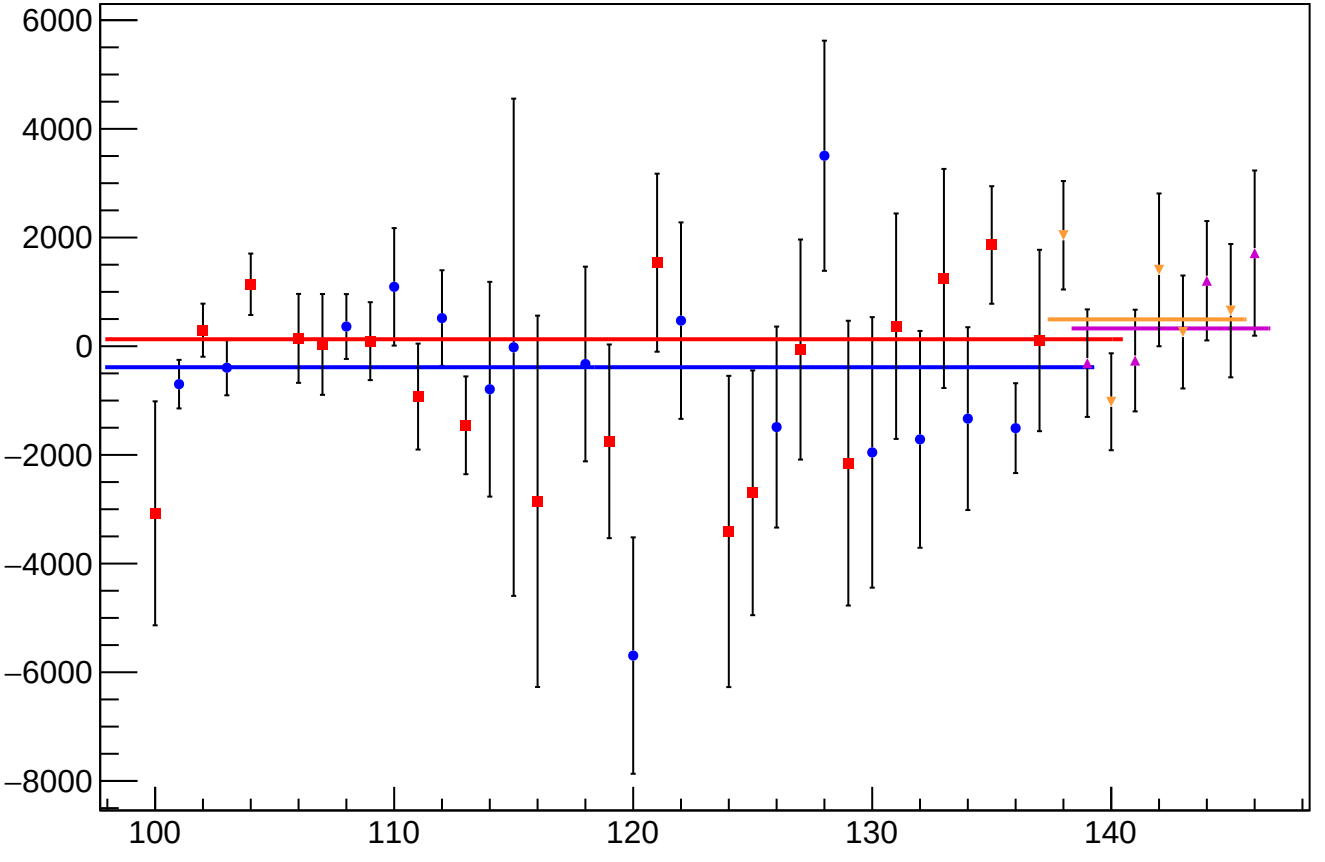
Left In: 1014.983+/-0.389 χ^2/NDF:187351.5/3

+ sign 638.613+/-0.153 χ^2/NDF: 4422517.8/20

All: 645.702+/-0.109 χ^2/NDF: 8754079.2/43

- sign 653.022+/-0.156 χ^2/NDF: 4327215.9/22

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 494.206+/-479.035 χ^2/NDF:5.8/4

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

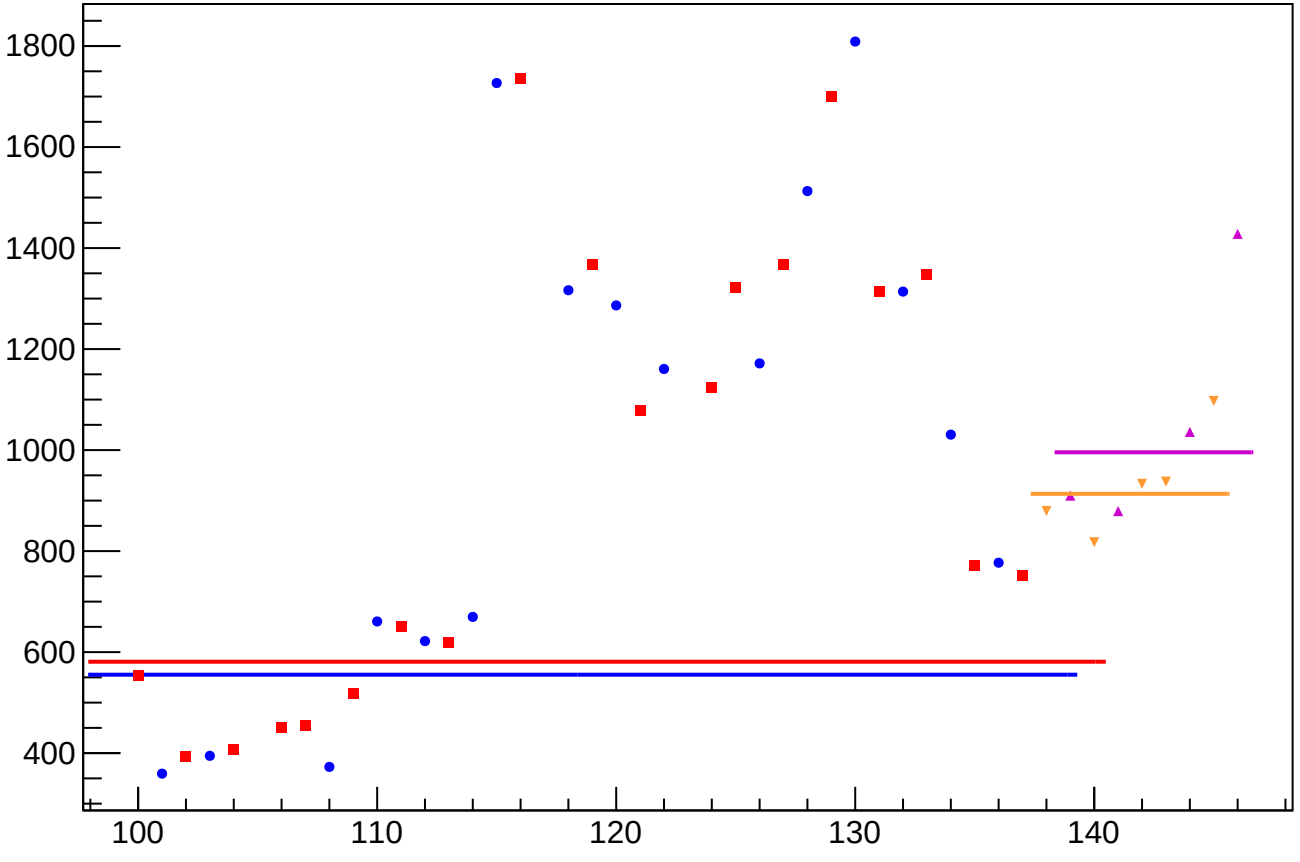
Left In: 327.344+/-540.272 χ^2/NDF:2.3/3

+ sign -212.719+/-212.801 χ^2/NDF: 26.4/20

All: -30.387+/-152.274 χ^2/NDF: 49.7/43

- sign 160.940+/-217.988 χ^2/NDF: 21.8/22

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 913.406+/-0.339 χ^2/NDF:71823.8/4

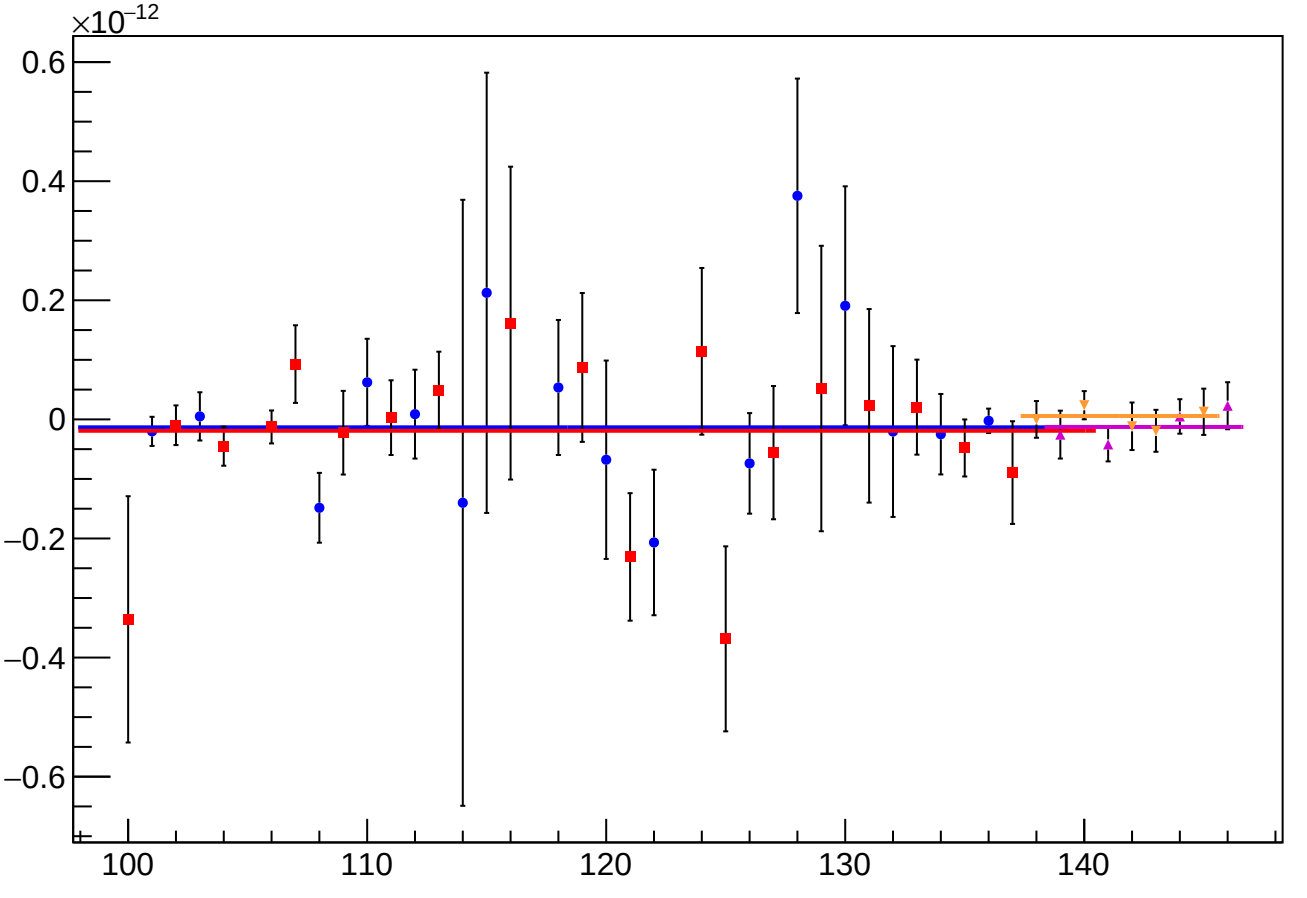
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 995.610+/-0.382 χ^2/NDF:210590.7/3

+ sign 625.962+/-0.150 χ^2/NDF: 4451515.7/20

All: 636.956+/-0.108 χ^2/NDF: 8642718.8/43

- sign 648.493+/-0.154 χ^2/NDF: 4180263.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/4

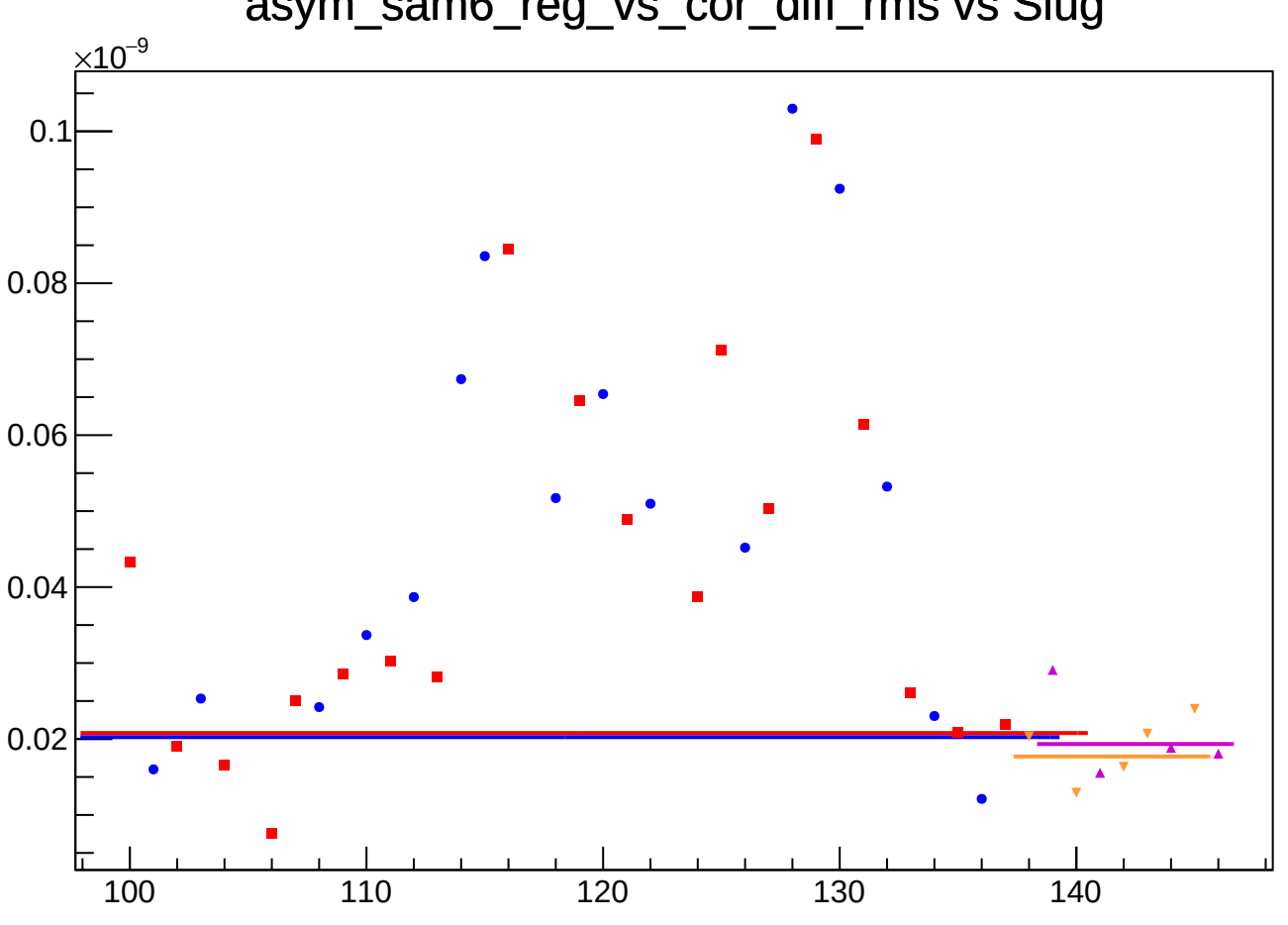
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.2/20

All: -0.000+/-0.000 χ^2/NDF: 41.2/43

- sign -0.000+/-0.000 χ^2/NDF: 22.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:164660.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

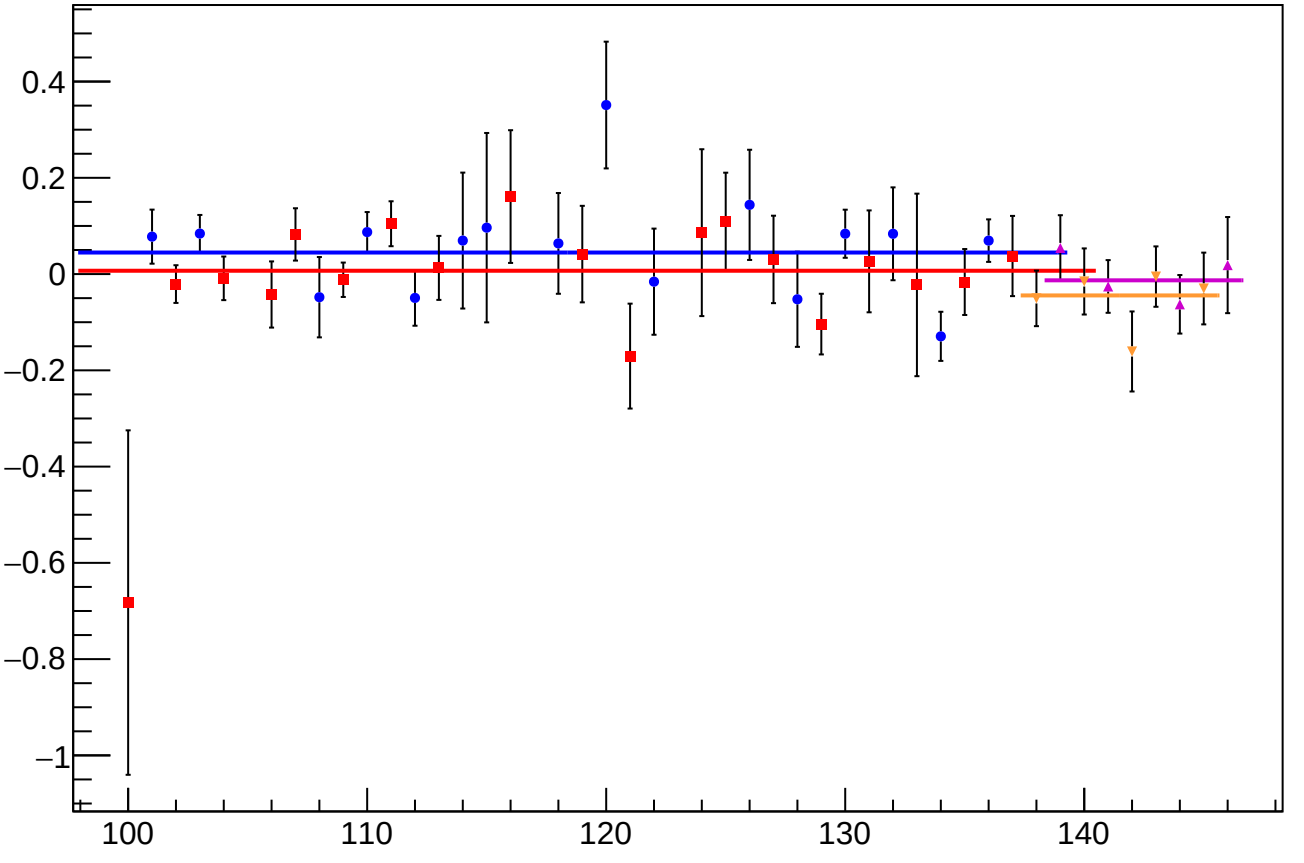
Left In: 0.000+/-0.000 χ^2/NDF:155551.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 2204533.2/20

All: 0.000+/-0.000 χ^2/NDF: 4236750.9/43

- sign 0.000+/-0.000 χ^2/NDF: 2020488.8/22

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.044+/-0.030 χ^2/NDF:2.6/4

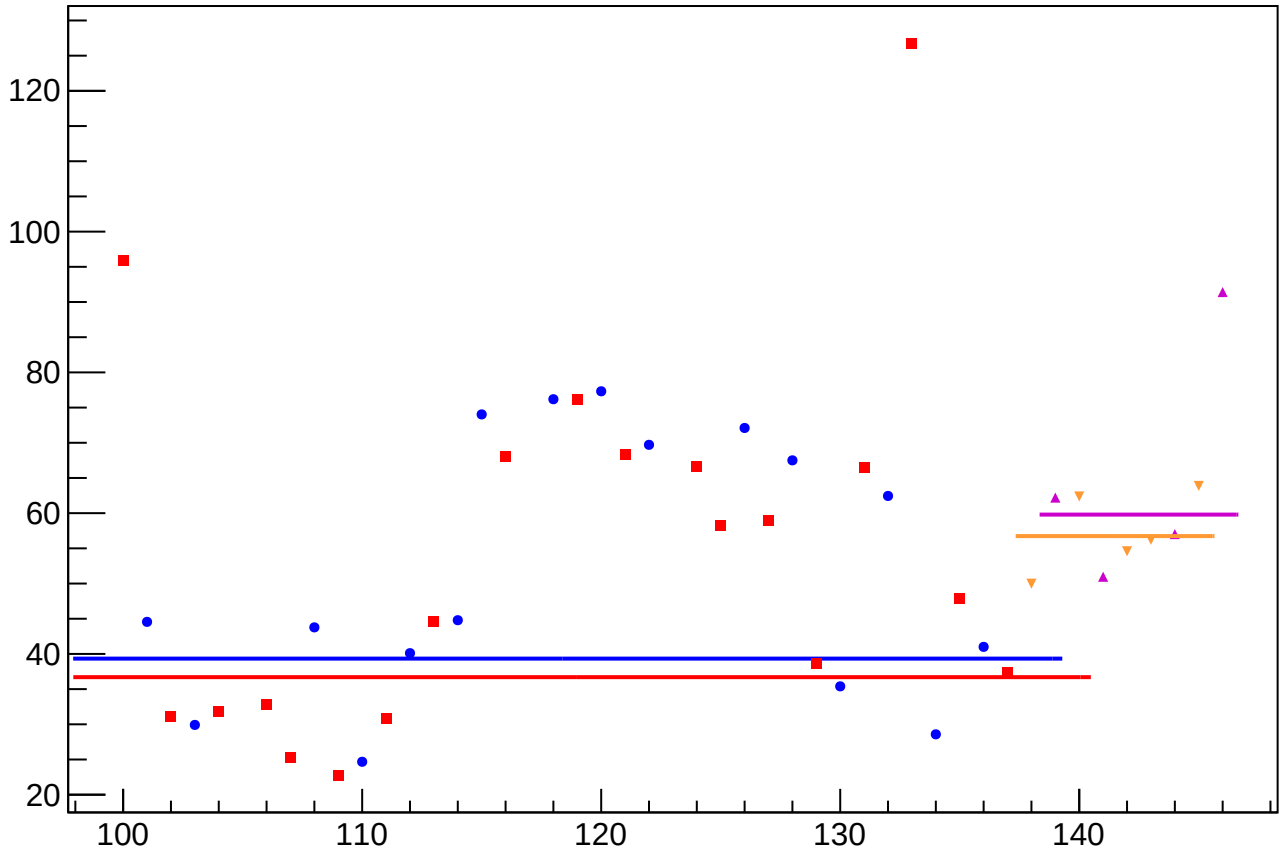
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.013+/-0.033 χ^2/NDF:1.8/3

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/20

All: 0.014+/-0.010 χ^2/NDF: 59.4/43

- sign 0.003+/-0.014 χ^2/NDF: 22.3/22



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 56.741+/-0.021 χ^2/NDF:60710.4/4

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

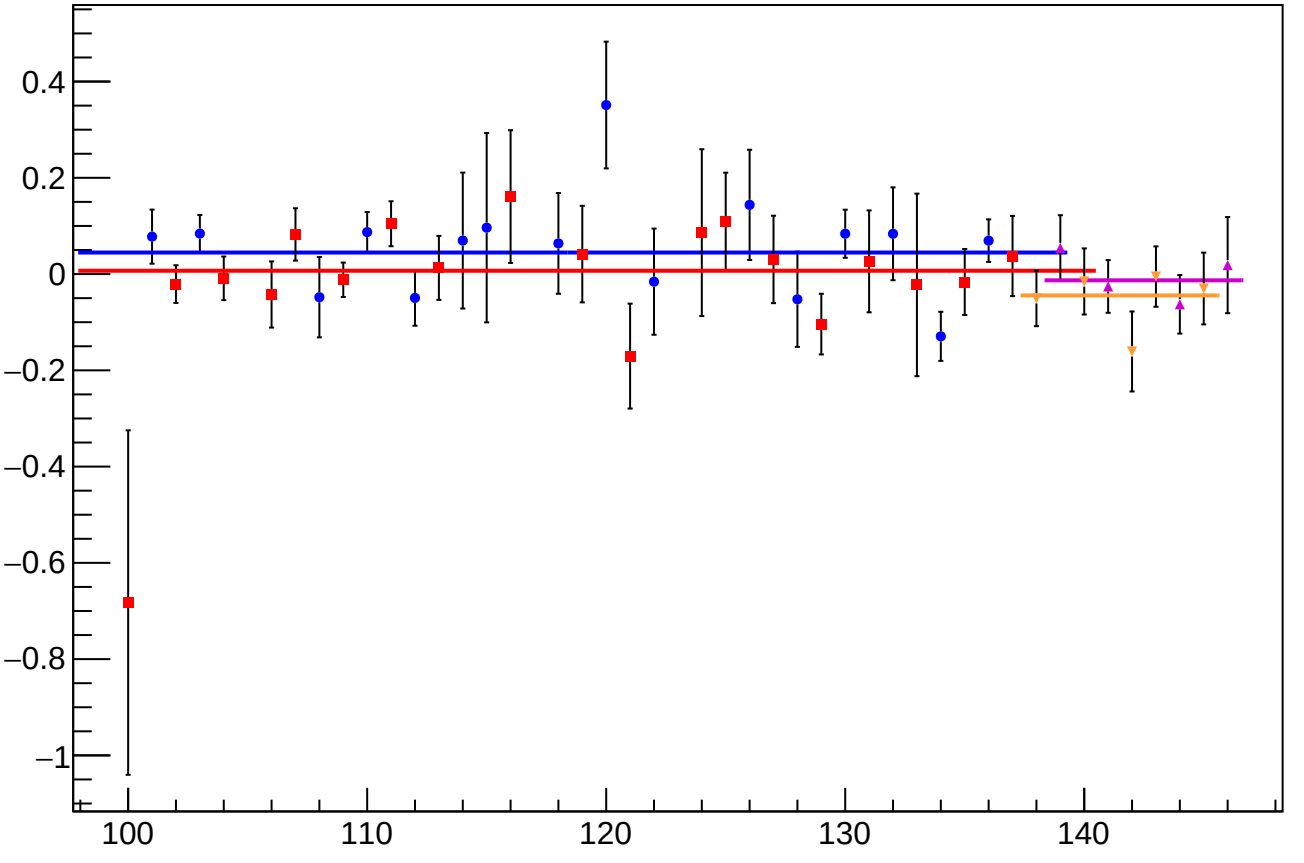
Left In: 59.795+/-0.023 χ^2/NDF:259183.8/3

\+ sign 43.143+/-0.010 χ^2/NDF: 2143717.1/20

All: 41.890+/-0.007 χ^2/NDF: 5341431.1/43

\- sign 40.711+/-0.010 χ^2/NDF: 3167312.9/22

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.044+/-0.030 χ^2/NDF:2.6/4

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

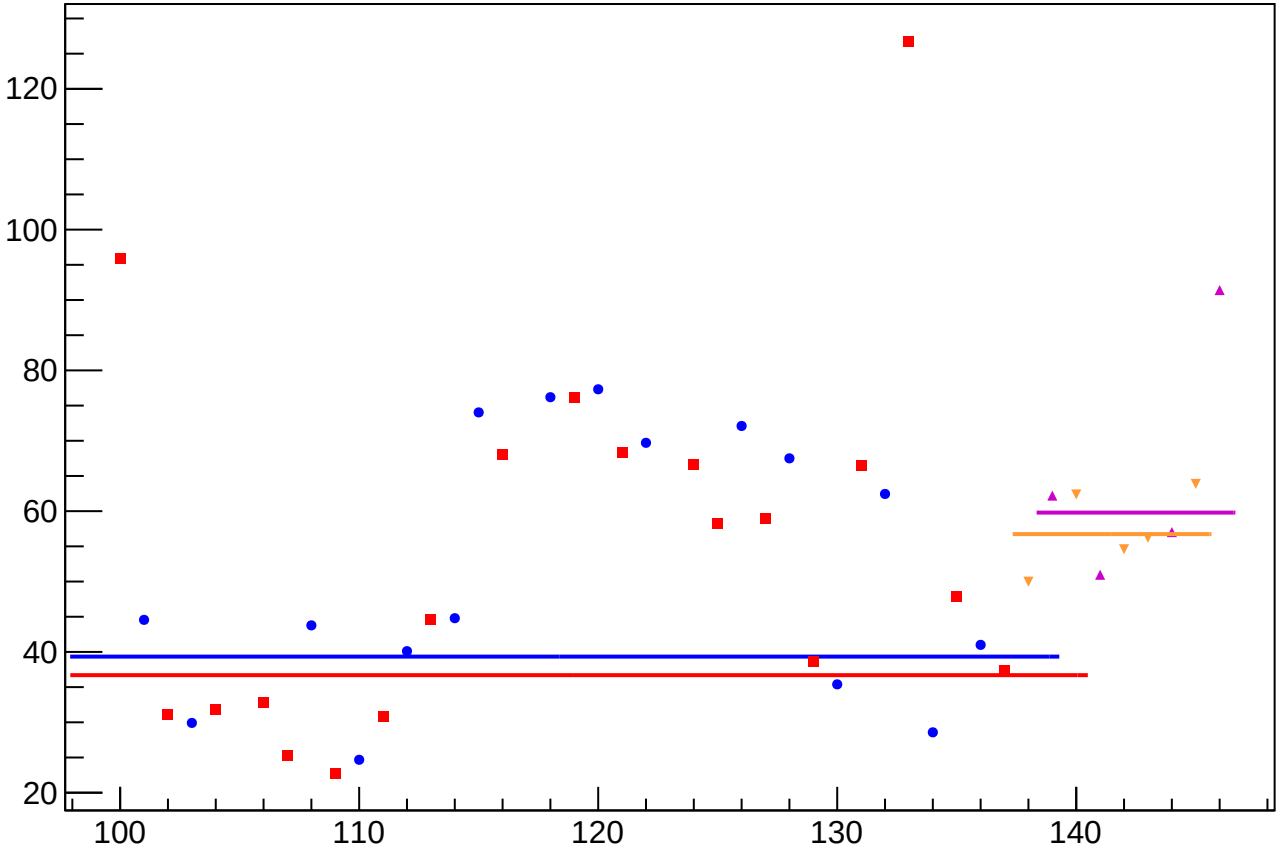
Left In: -0.013+/-0.033 χ^2/NDF:1.8/3

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/20

All: 0.014+/-0.010 χ^2/NDF: 59.4/43

- sign 0.003+/-0.014 χ^2/NDF: 22.3/22

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 56.741+/-0.021 χ^2/NDF:60710.4/4

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

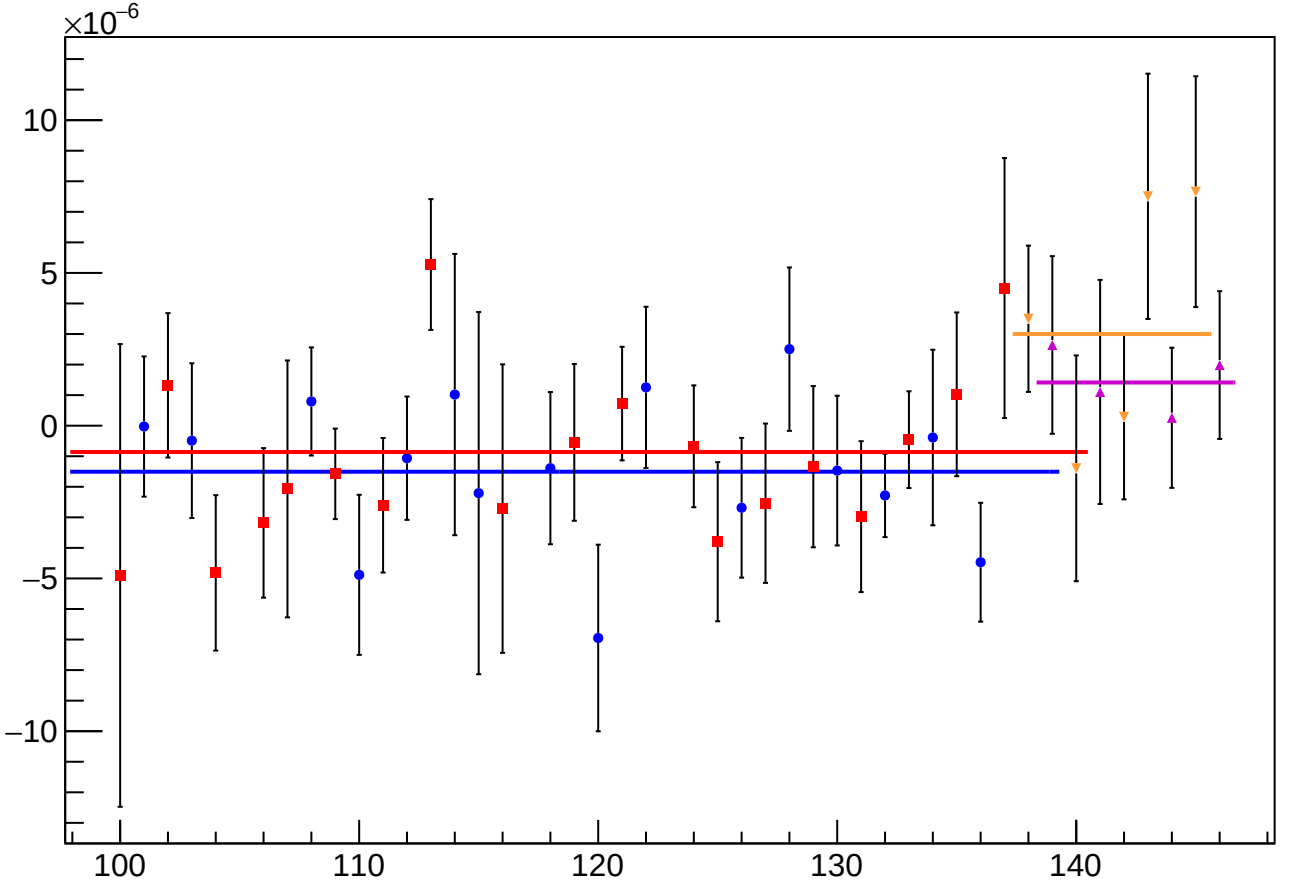
Left In: 59.795+/-0.023 χ^2/NDF:259183.8/3

+ sign 43.143+/-0.010 χ^2/NDF: 2143717.1/20

All: 41.890+/-0.007 χ^2/NDF: 5341431.1/43

- sign 40.711+/-0.010 χ^2/NDF: 3167312.9/22

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/4

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

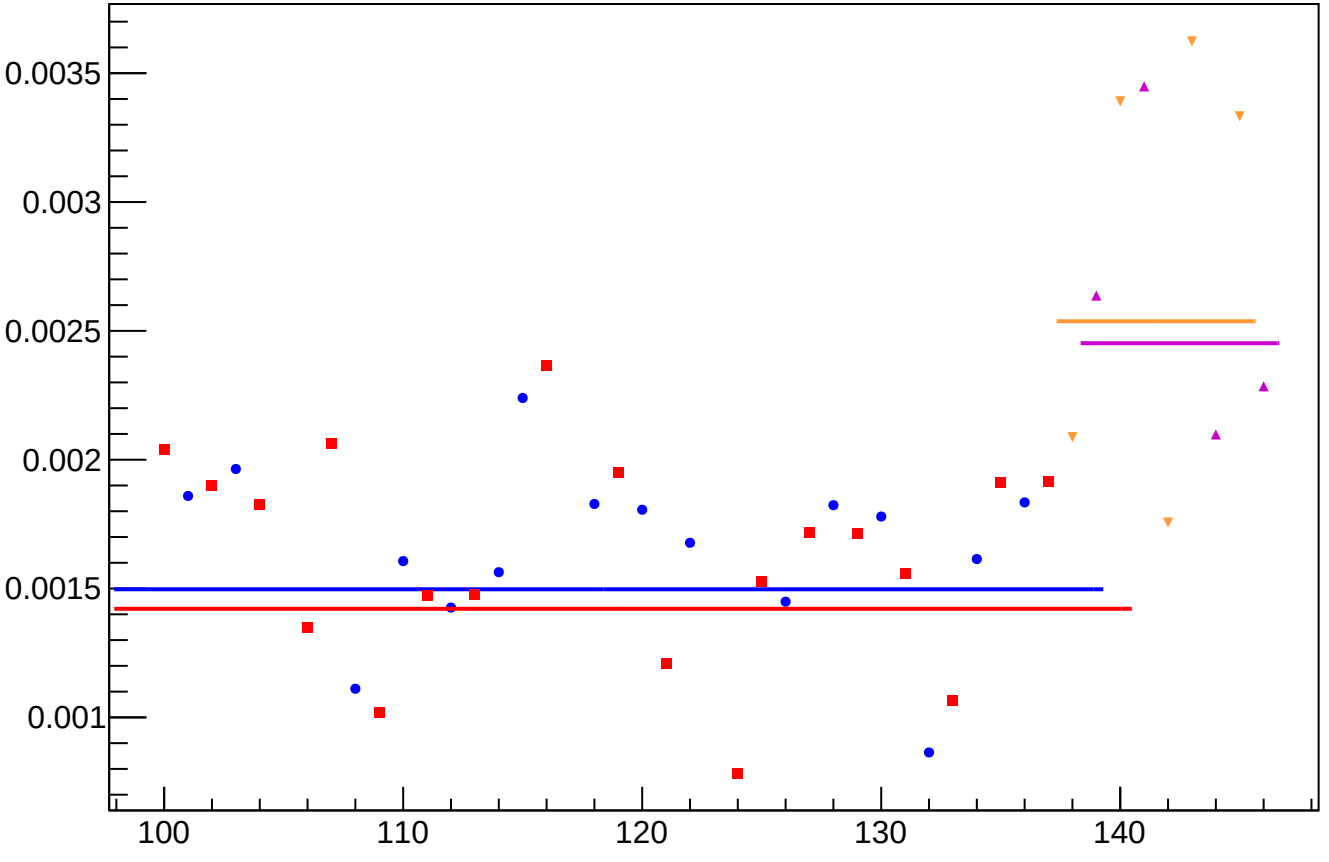
Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.1/20

All: -0.000+/-0.000 χ^2/NDF: 50.3/43

- sign -0.000+/-0.000 χ^2/NDF: 22.1/22

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:579689.5/4

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

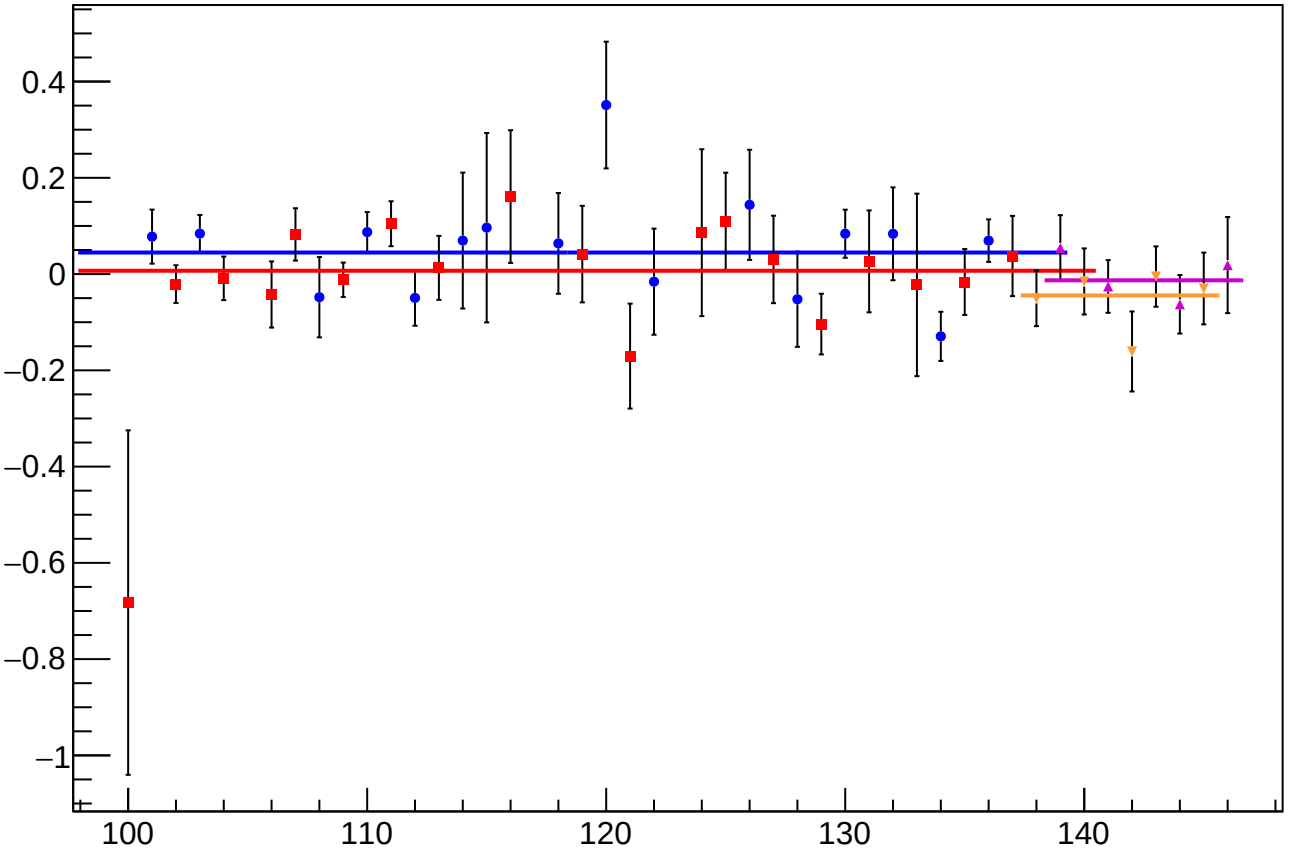
Left In: 0.002+/-0.000 χ^2/NDF:212954.0/3

+ sign 0.002+/-0.000 χ^2/NDF: 2399513.4/20

All: 0.002+/-0.000 χ^2/NDF: 4648721.6/43

- sign 0.002+/-0.000 χ^2/NDF: 2222239.3/22

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.044+/-0.030 χ^2/NDF:2.6/4

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

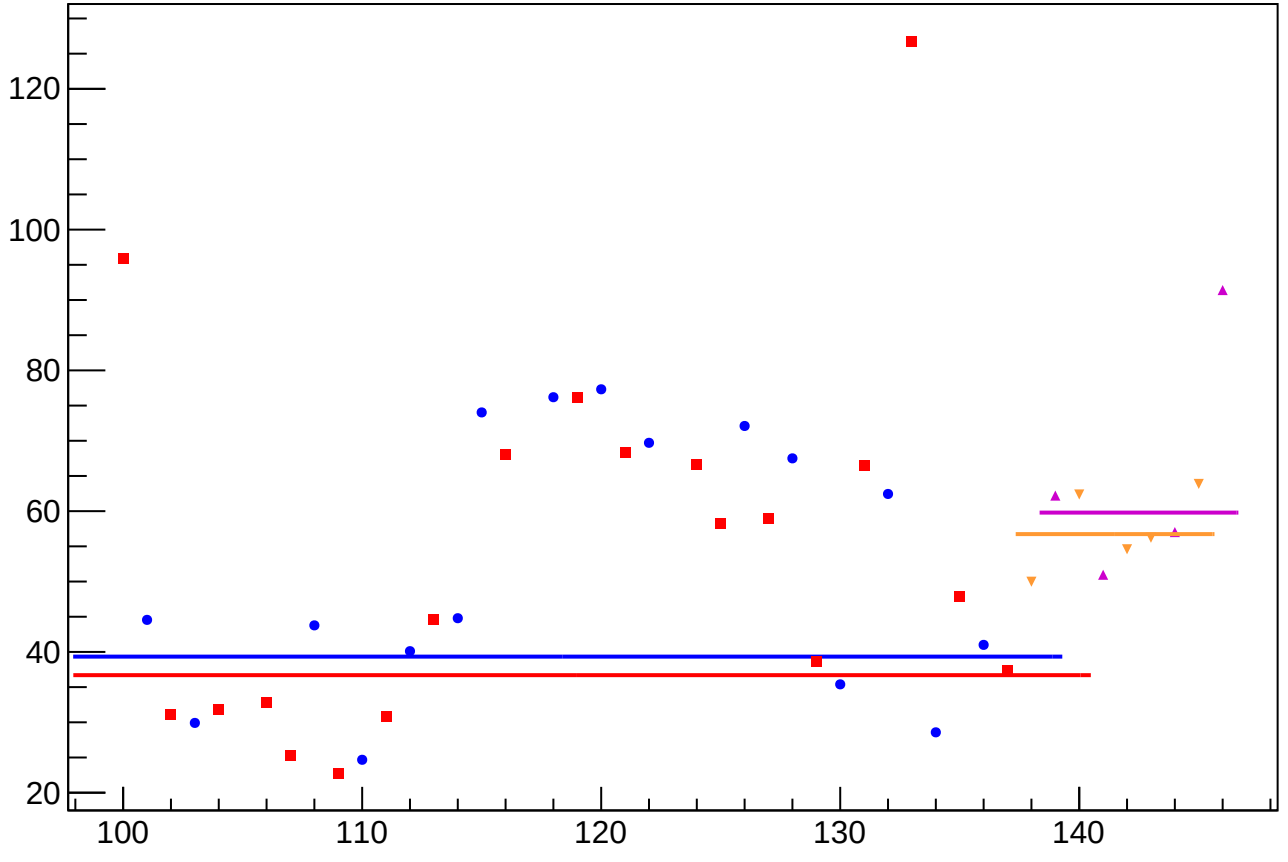
Left In: -0.013+/-0.033 χ^2/NDF:1.8/3

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/20

All: 0.014+/-0.010 χ^2/NDF: 59.4/43

- sign 0.003+/-0.014 χ^2/NDF: 22.3/22

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 56.740+/-0.021 χ^2/NDF:60700.6/4

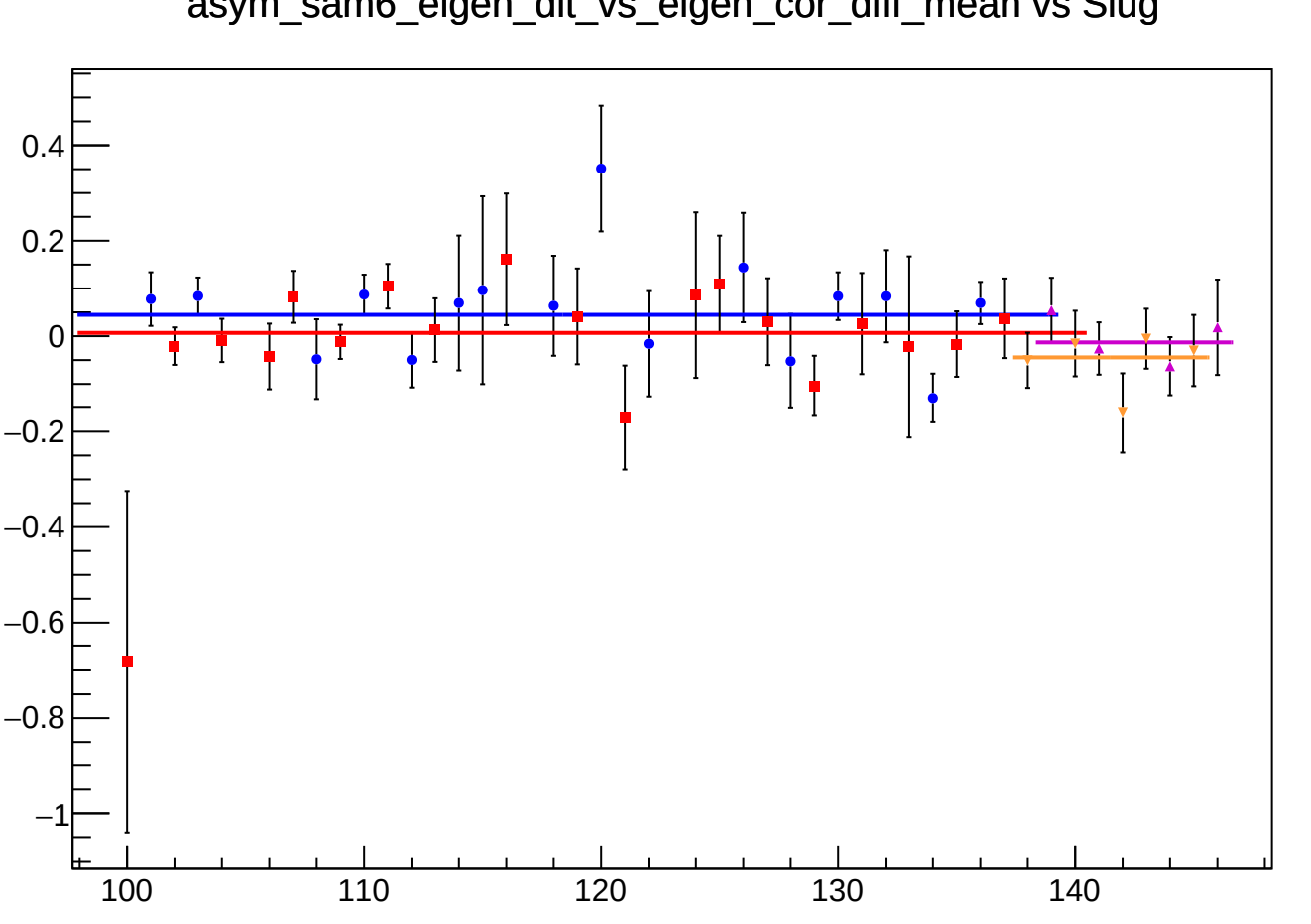
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 59.795+/-0.023 χ^2/NDF:259194.4/3

+ sign 43.142+/-0.010 χ^2/NDF: 2143734.9/20

All: 41.889+/-0.007 χ^2/NDF: 5341433.6/43

- sign 40.710+/-0.010 χ^2/NDF: 3167303.3/22



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.044+/-0.030 χ^2/NDF:2.6/4

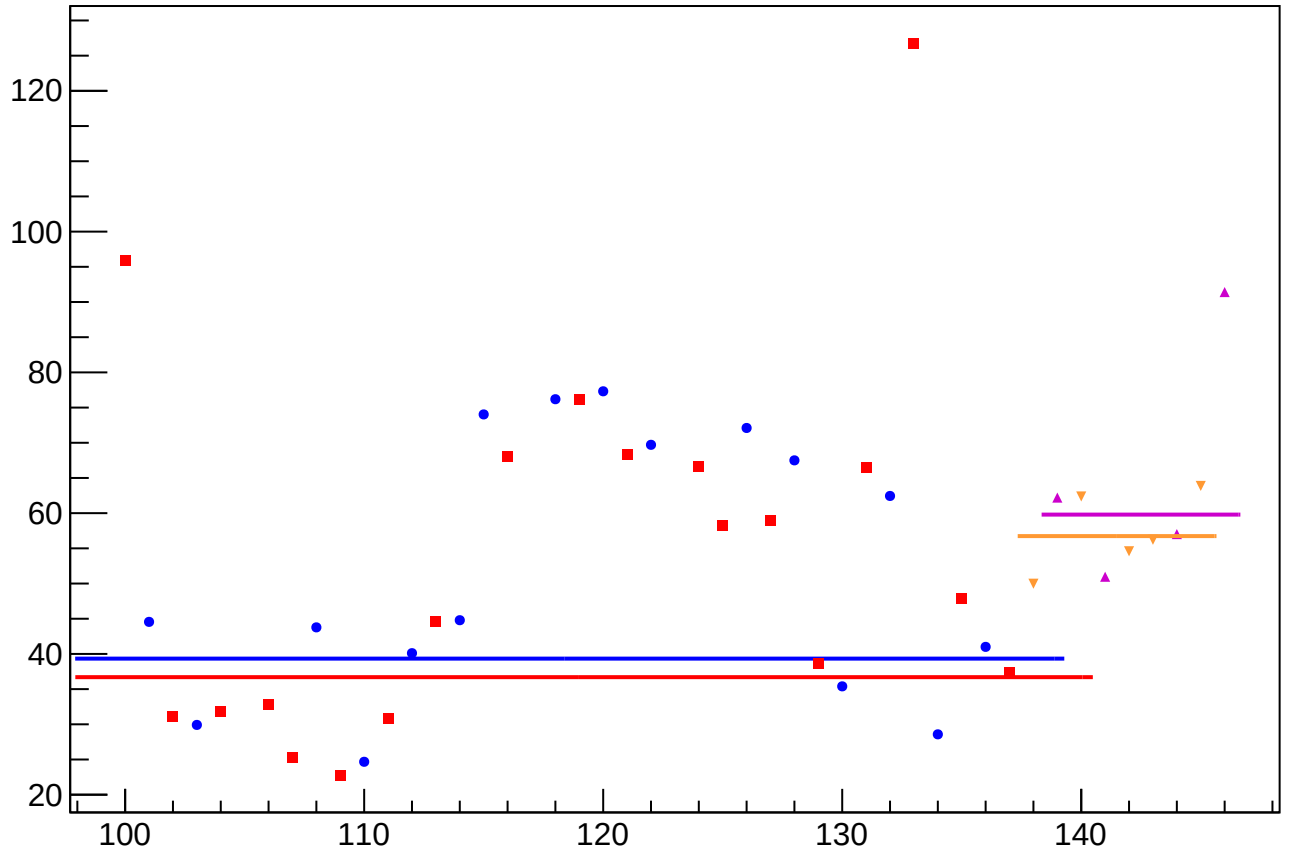
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.013+/-0.033 χ^2/NDF:1.8/3

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/20

All: 0.014+/-0.010 χ^2/NDF: 59.4/43

- sign 0.003+/-0.014 χ^2/NDF: 22.3/22



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 56.740+/-0.021 χ^2/NDF:60700.6/4

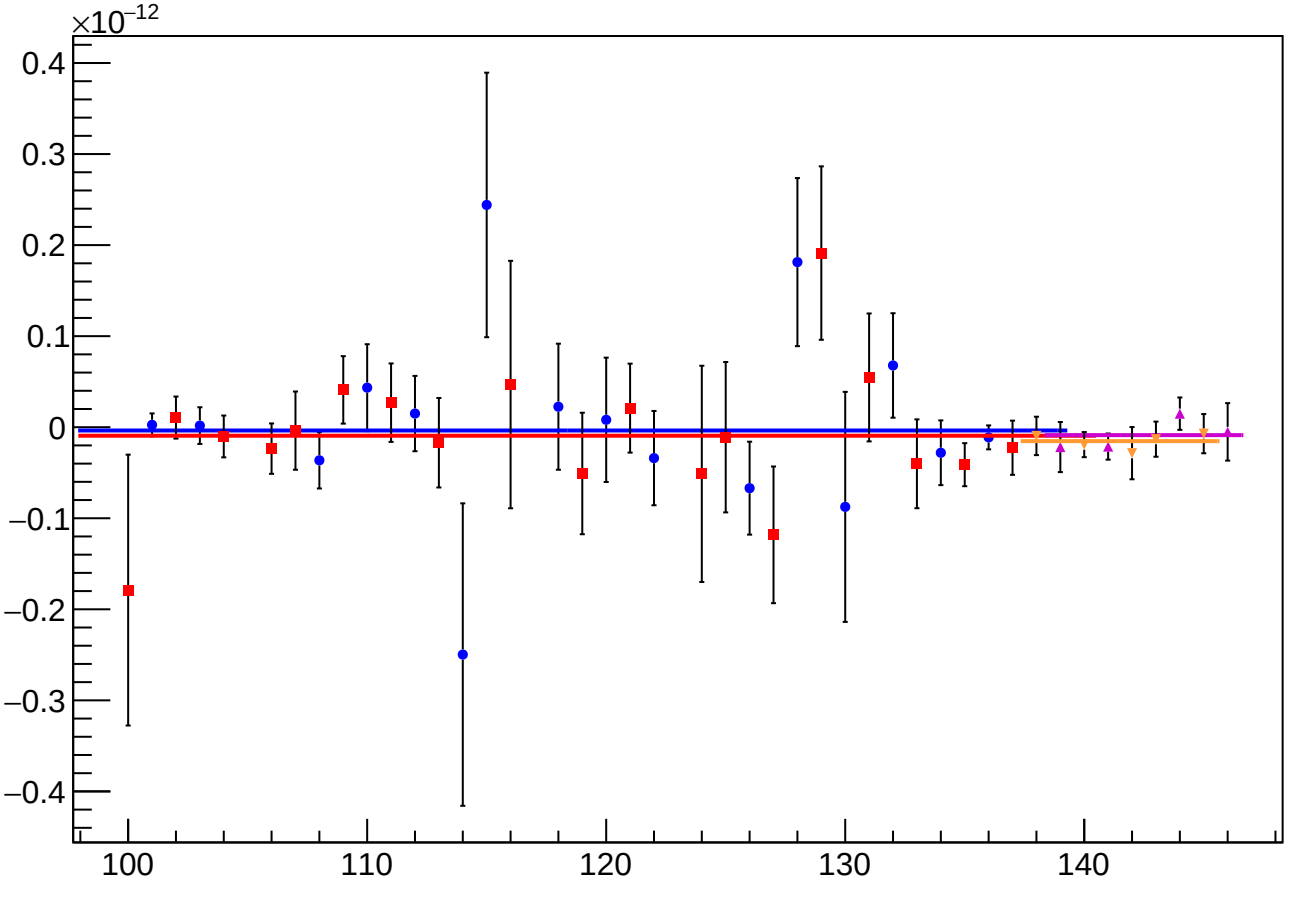
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 59.795+/-0.023 χ^2/NDF:259194.4/3

+ sign 43.142+/-0.010 χ^2/NDF: 2143734.9/20

All: 41.889+/-0.007 χ^2/NDF: 5341433.6/43

- sign 40.710+/-0.010 χ^2/NDF: 3167303.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/4

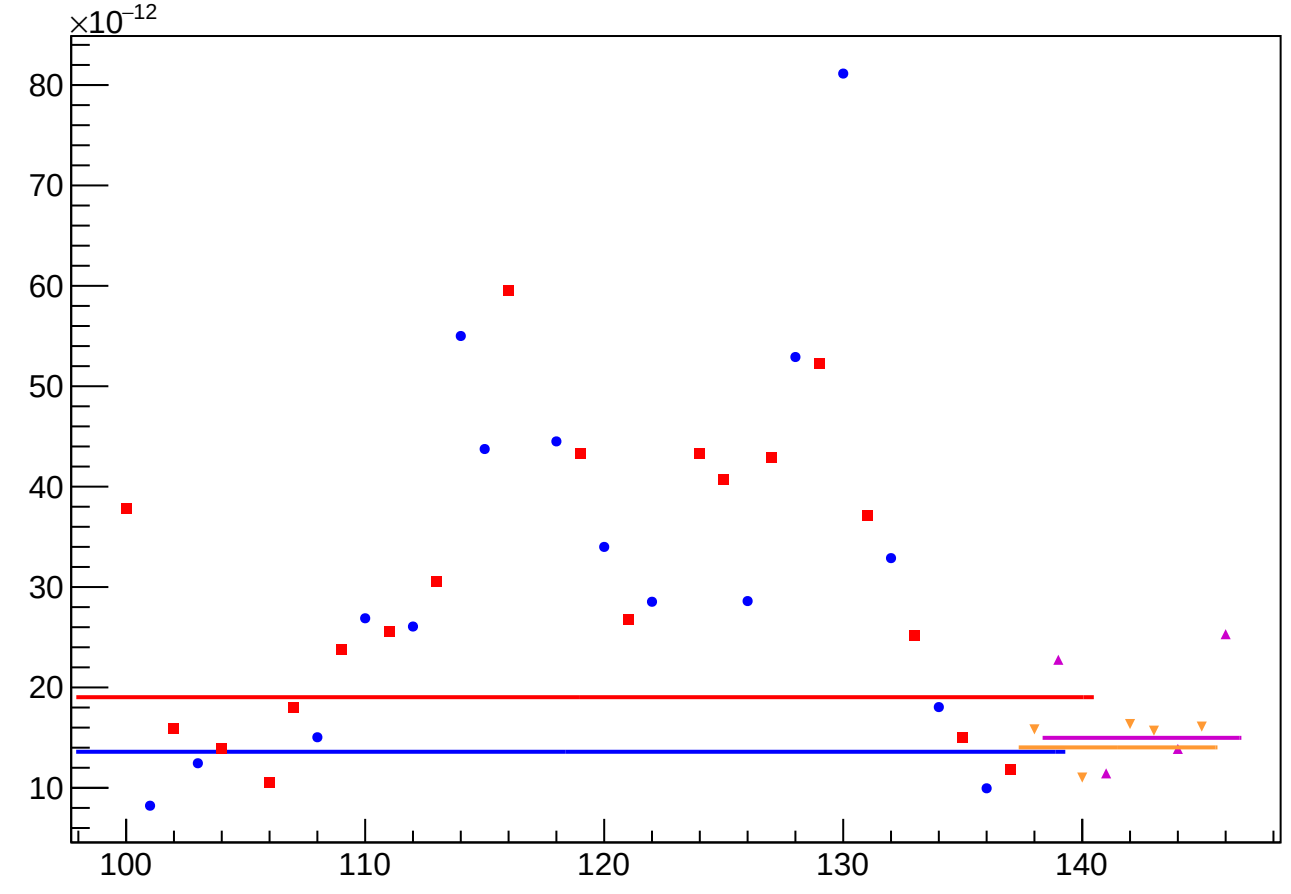
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.2/20

All: -0.000+/-0.000 χ^2/NDF: 36.7/43

- sign -0.000+/-0.000 χ^2/NDF: 18.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:156107.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

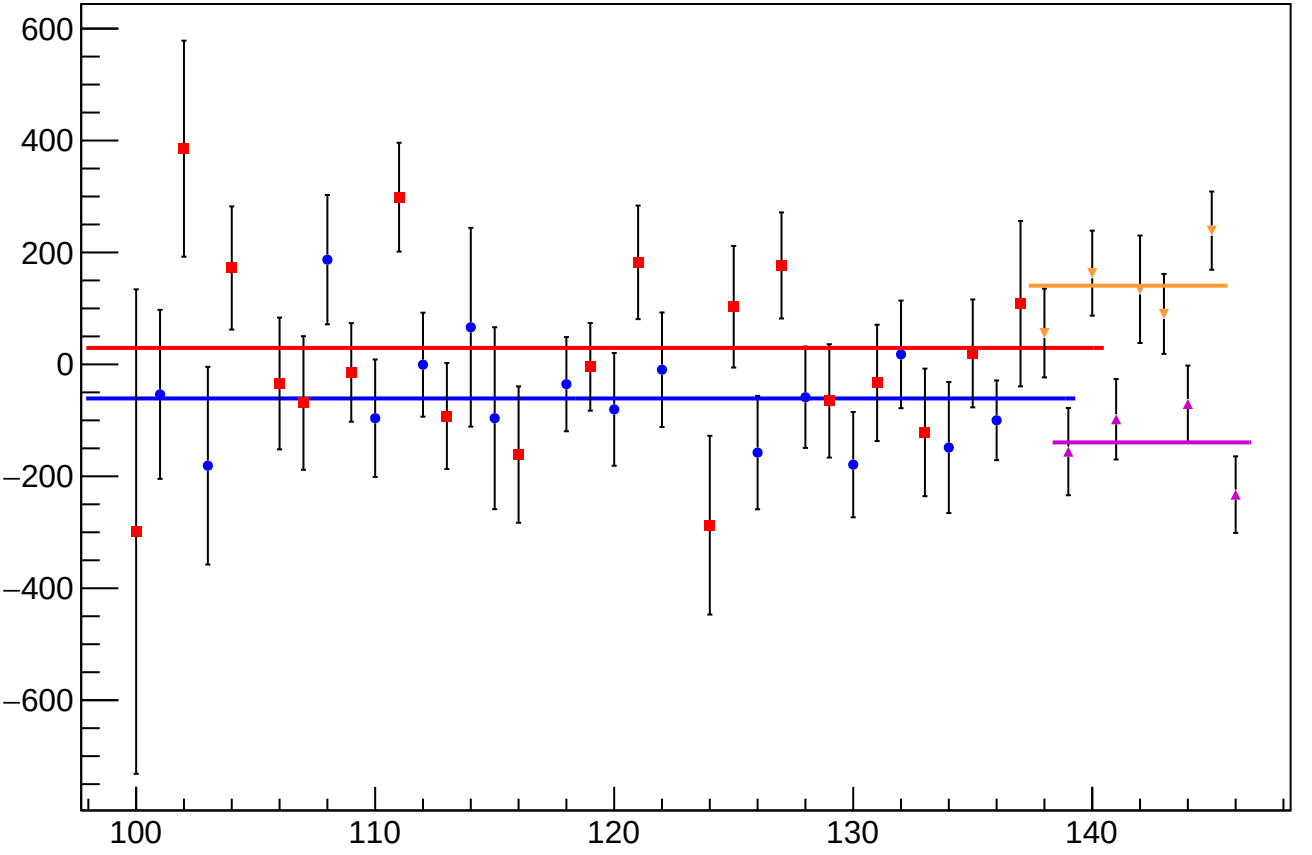
Left In: 0.000+/-0.000 χ^2/NDF:502559.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 3346222.0/20

All: 0.000+/-0.000 χ^2/NDF: 6386686.5/43

- sign 0.000+/-0.000 χ^2/NDF: 2734515.3/22

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 140.634+/-34.465 χ^2/NDF:3.7/4

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

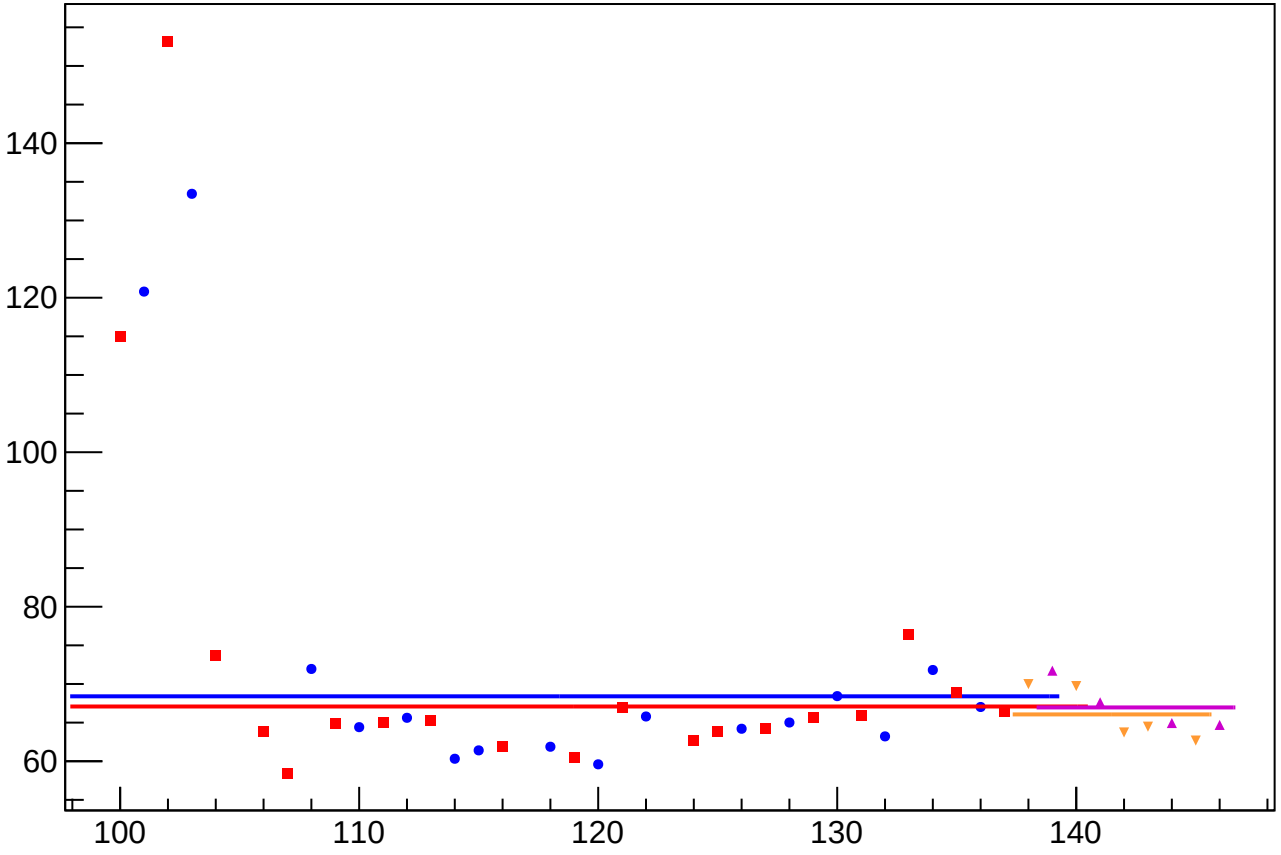
Left In: -139.391+/-35.711 χ^2/NDF:3.2/3

+ sign 12.420+/-20.784 χ^2/NDF: 36.0/20

All: -7.218+/-14.609 χ^2/NDF: 87.2/43

- sign -26.394+/-20.538 χ^2/NDF: 49.4/22

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 66.061+/-0.024 χ^2/NDF:16425.1/4

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

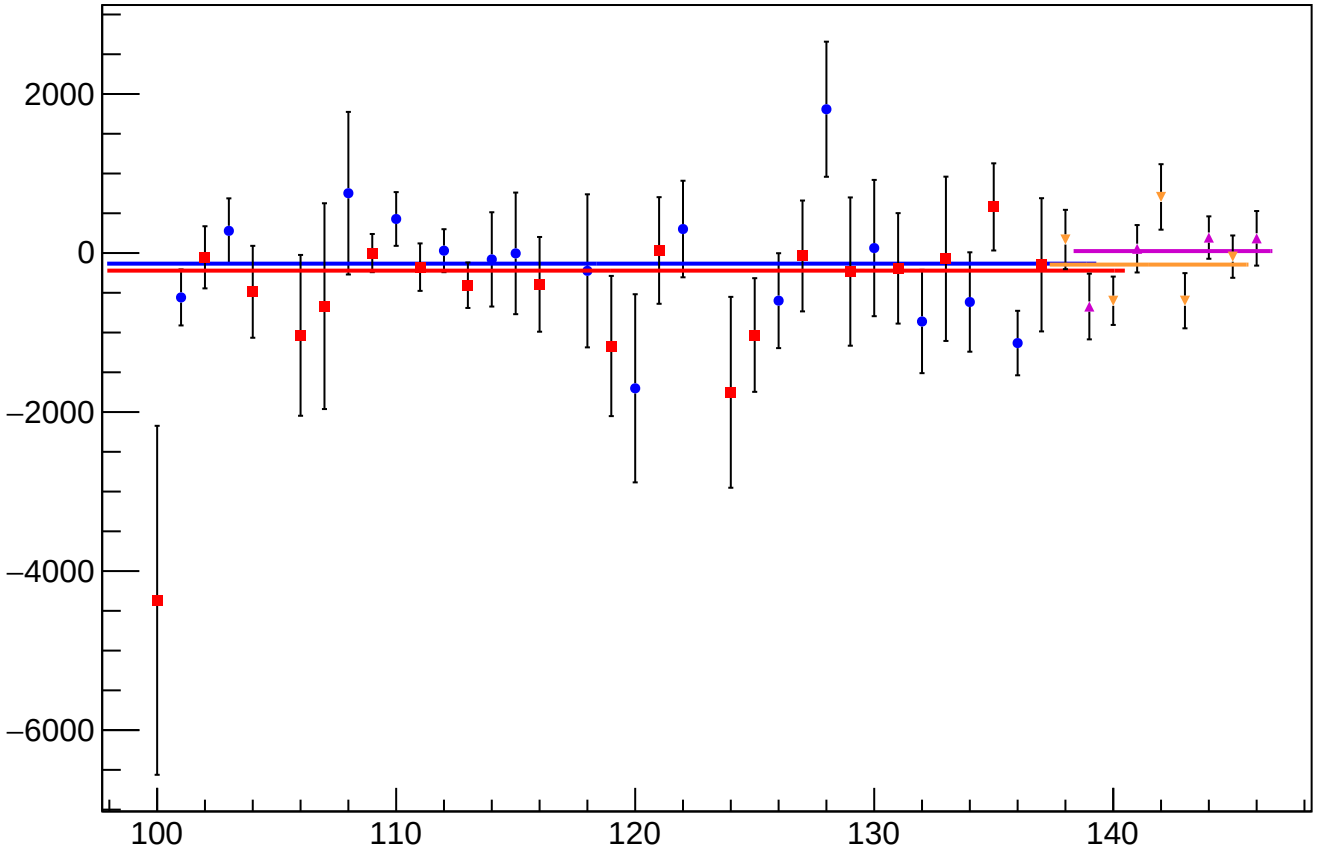
Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

+ sign 67.552+/-0.015 χ^2/NDF: 591861.1/20

All: 67.295+/-0.010 χ^2/NDF: 1085834.4/43

- sign 67.045+/-0.015 χ^2/NDF: 493373.3/22

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -145.382+/-146.949 χ^2/NDF:9.1/4

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

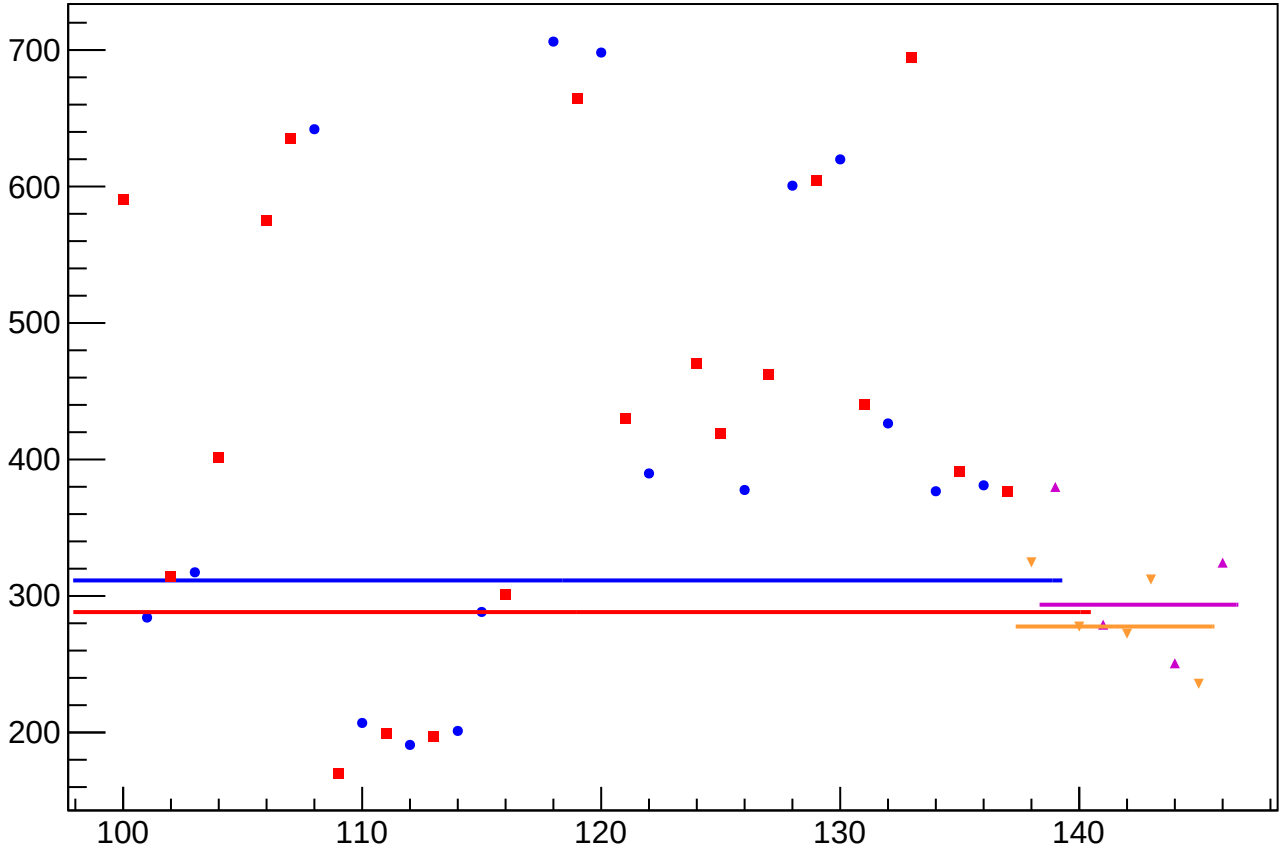
Left In: 24.412+/-158.802 χ^2/NDF:3.5/3

+ sign -138.582+/-95.610 χ^2/NDF: 31.5/20

All: -136.325+/-67.247 χ^2/NDF: 49.1/43

- sign -134.116+/-94.602 χ^2/NDF: 17.6/22

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 277.629+/-0.104 χ^2/NDF:101457.1/4

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

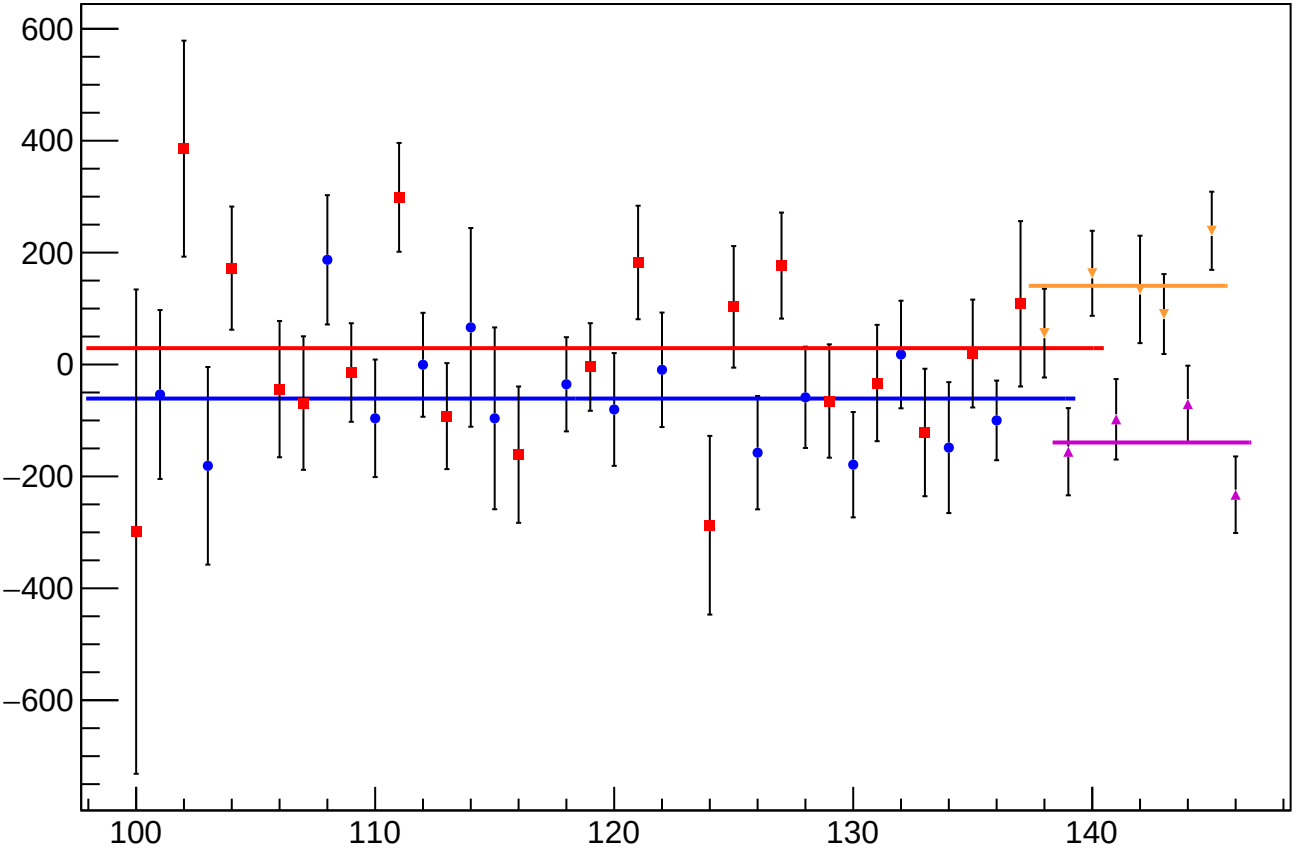
Left In: 293.607+/-0.112 χ^2/NDF:159988.9/3

+ sign 297.096+/-0.068 χ^2/NDF: 2286120.0/20

All: 293.572+/-0.048 χ^2/NDF: 5168359.2/43

- sign 290.122+/-0.067 χ^2/NDF: 2876862.8/22

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 140.633+/-34.465 χ^2/NDF:3.7/4

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

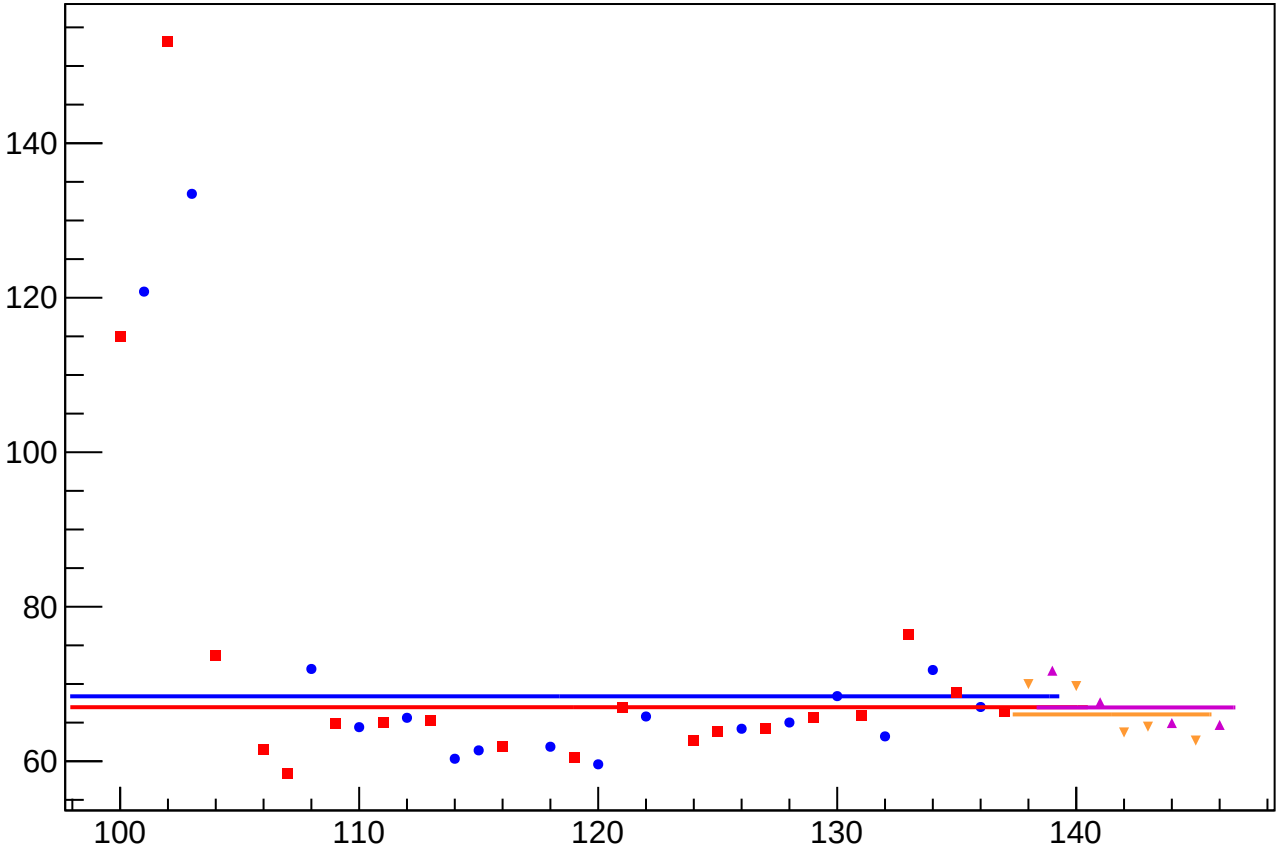
Left In: -139.388+/-35.711 χ^2/NDF:3.2/3

+ sign 12.418+/-20.784 χ^2/NDF: 36.0/20

All: -7.334+/-14.616 χ^2/NDF: 87.2/43

- sign -26.660+/-20.559 χ^2/NDF: 49.4/22

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.061+/-0.024 χ^2/NDF:16425.1/4

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

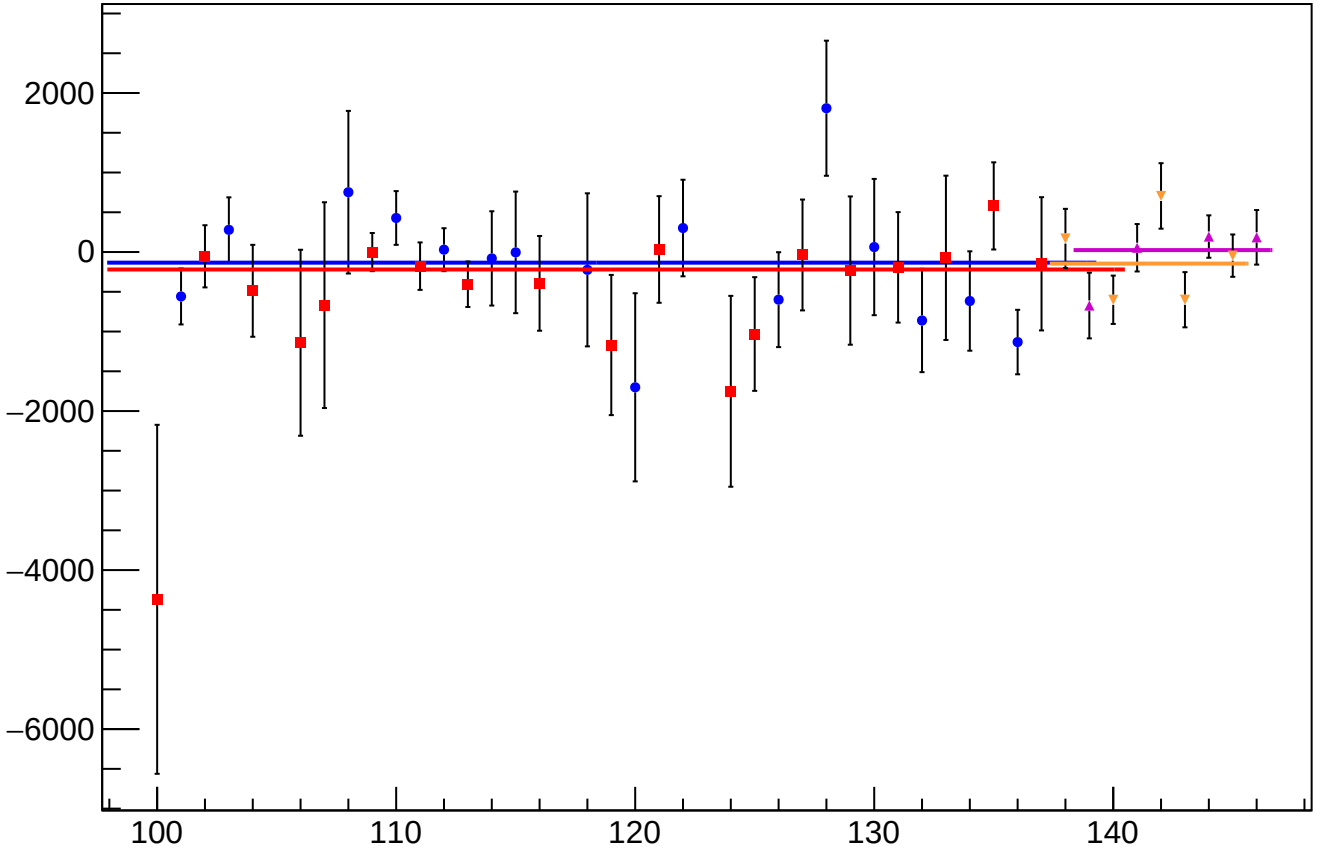
Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

+ sign 67.552+/-0.015 χ^2/NDF: 591861.5/20

All: 67.265+/-0.010 χ^2/NDF: 1088645.4/43

- sign 66.984+/-0.015 χ^2/NDF: 496031.3/22

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -145.379+/-146.949 χ^2/NDF:9.1/4

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

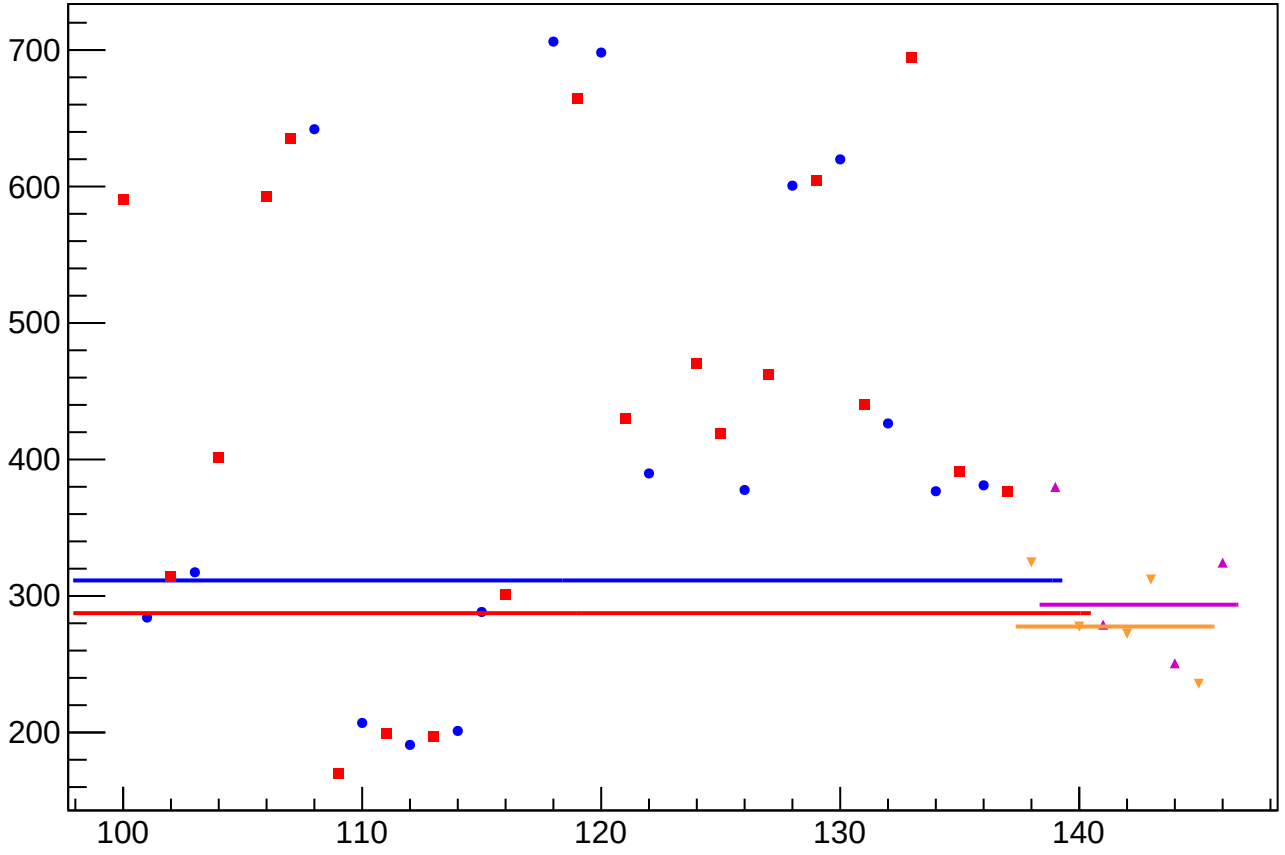
Left In: 24.418+/-158.802 χ^2/NDF:3.5/3

+ sign -138.579+/-95.610 χ^2/NDF: 31.6/20

All: -135.670+/-67.286 χ^2/NDF: 49.1/43

- sign -132.815+/-94.709 χ^2/NDF: 17.5/22

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 277.628+/-0.104 χ^2/NDF:101455.0/4

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

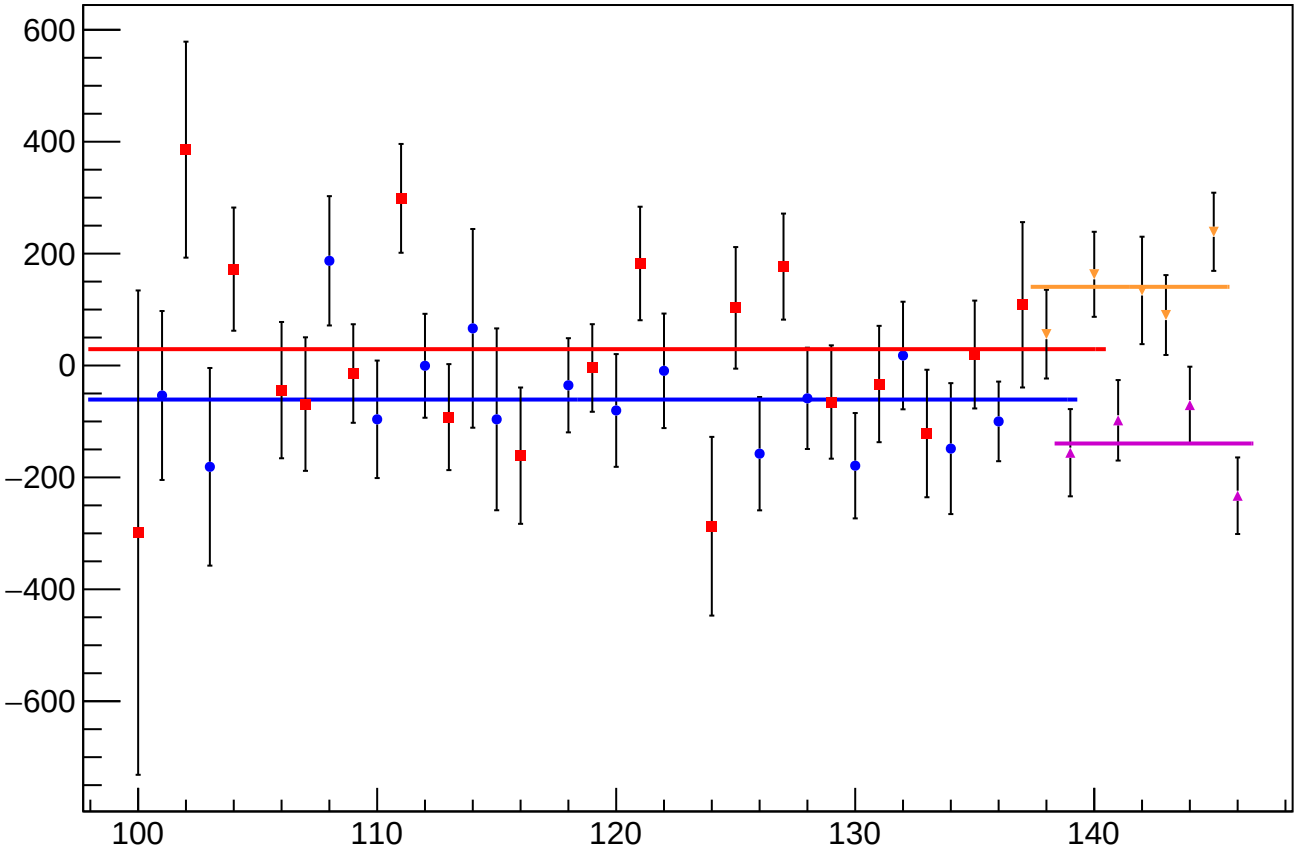
Left In: 293.608+/-0.112 χ^2/NDF:159988.4/3

+ sign 297.097+/-0.068 χ^2/NDF: 2286127.2/20

All: 293.321+/-0.048 χ^2/NDF: 5144513.3/43

- sign 289.616+/-0.067 χ^2/NDF: 2852207.3/22

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 140.633+/-34.465 χ^2/NDF:3.7/4

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

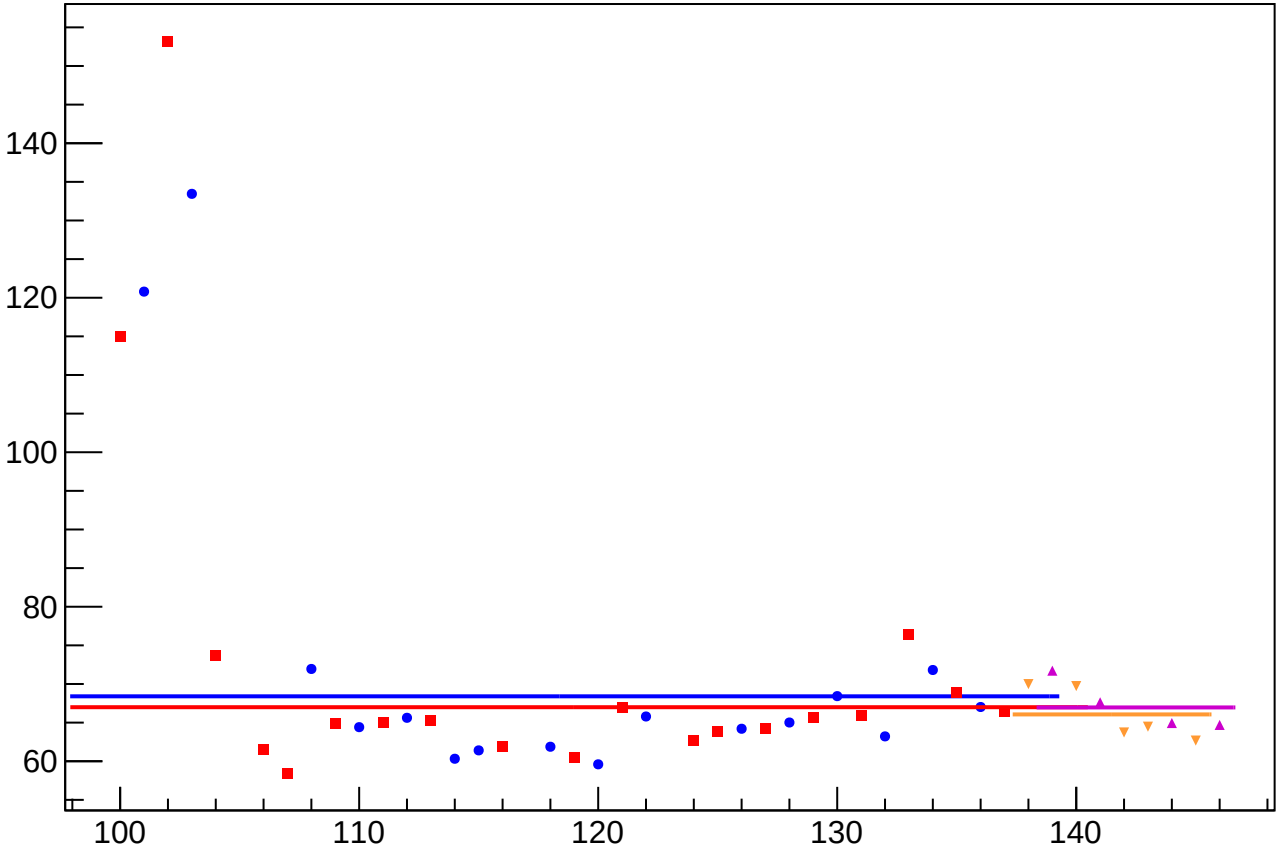
Left In: -139.388+/-35.711 χ^2/NDF:3.2/3

+ sign 12.418+/-20.784 χ^2/NDF: 36.0/20

All: -7.334+/-14.616 χ^2/NDF: 87.2/43

- sign -26.660+/-20.559 χ^2/NDF: 49.4/22

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.061+/-0.024 χ^2/NDF:16425.1/4

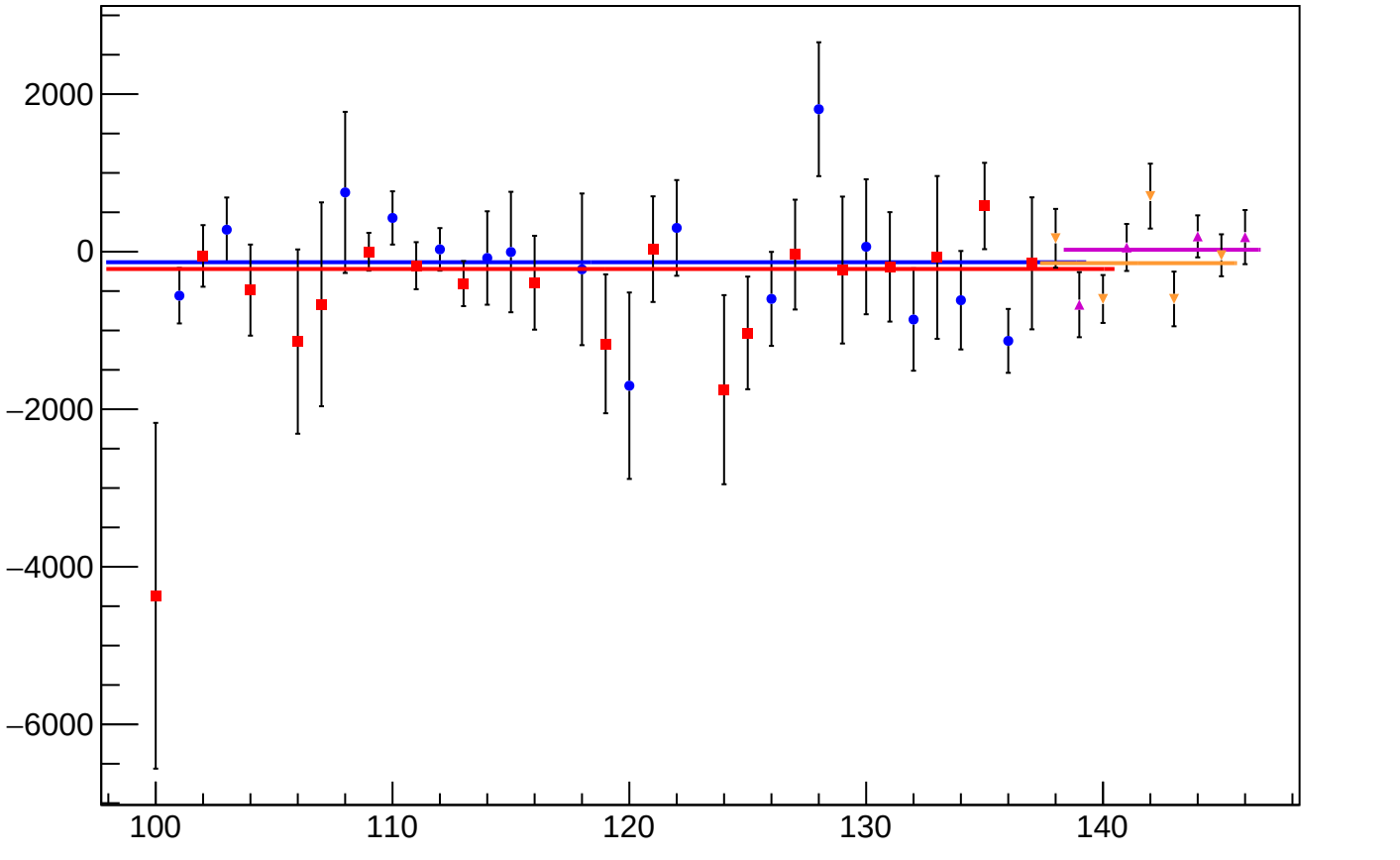
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

+ sign 67.552+/-0.015 χ^2/NDF: 591861.5/20

All: 67.265+/-0.010 χ^2/NDF: 1088645.4/43

- sign 66.984+/-0.015 χ^2/NDF: 496031.3/22



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -145.379+/-146.949 χ^2/NDF:9.1/4

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

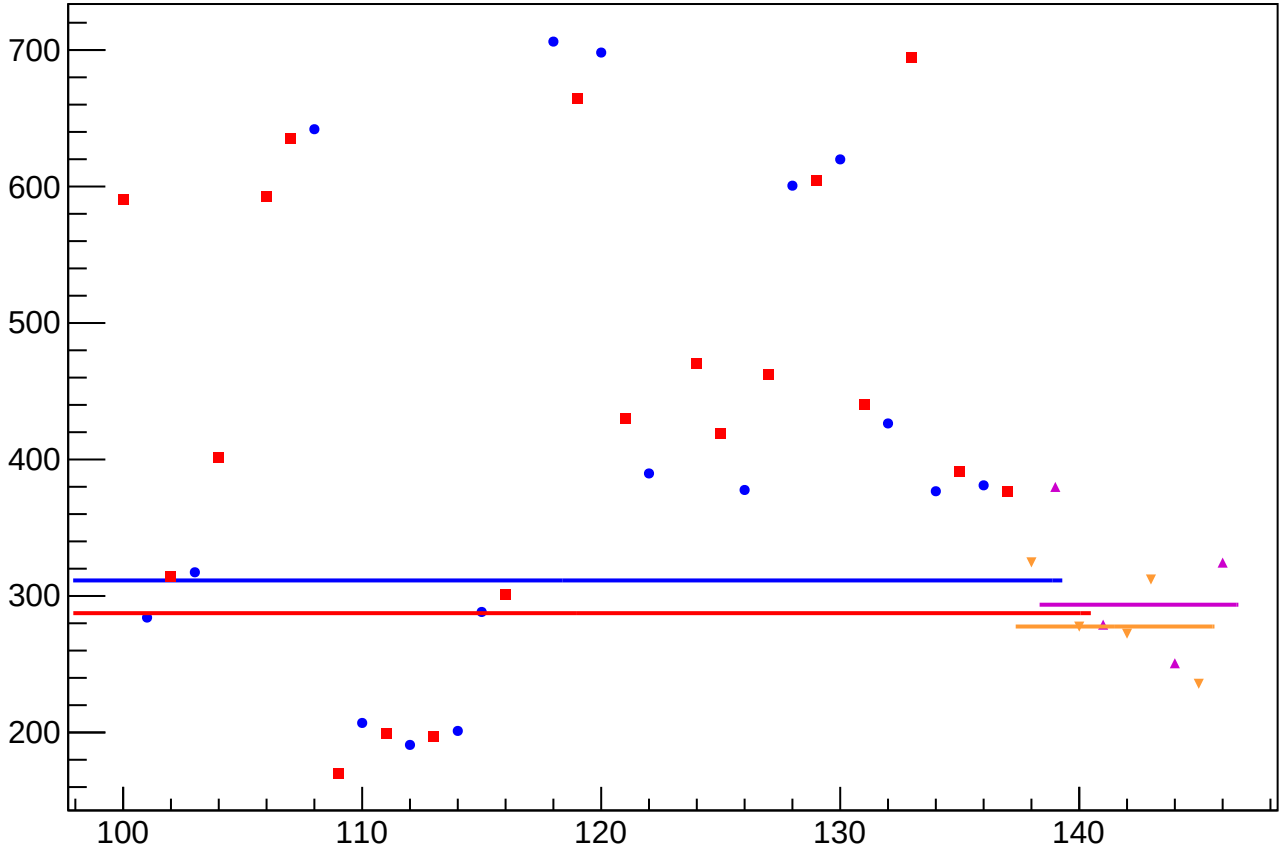
Left In: 24.418+/-158.802 χ^2/NDF:3.5/3

+ sign -138.579+/-95.610 χ^2/NDF: 31.6/20

All: -135.670+/-67.286 χ^2/NDF: 49.1/43

- sign -132.815+/-94.709 χ^2/NDF: 17.5/22

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 277.628+/-0.104 χ^2/NDF:101455.0/4

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

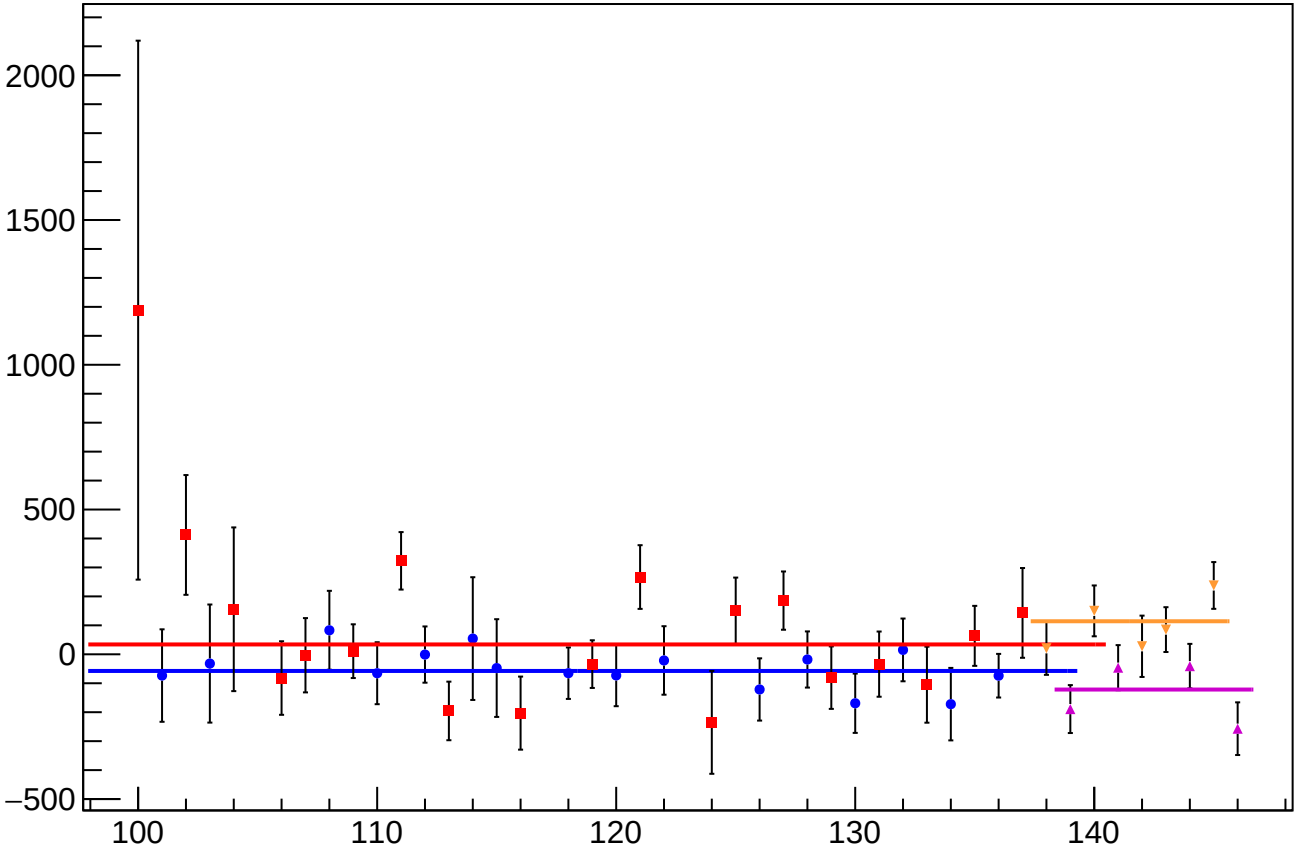
Left In: 293.608+/-0.112 χ^2/NDF:159988.4/3

+ sign 297.097+/-0.068 χ^2/NDF: 2286127.2/20

All: 293.321+/-0.048 χ^2/NDF: 5144513.3/43

- sign 289.616+/-0.067 χ^2/NDF: 2852207.3/22

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 114.106+/-38.982 χ^2/NDF:4.4/4

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

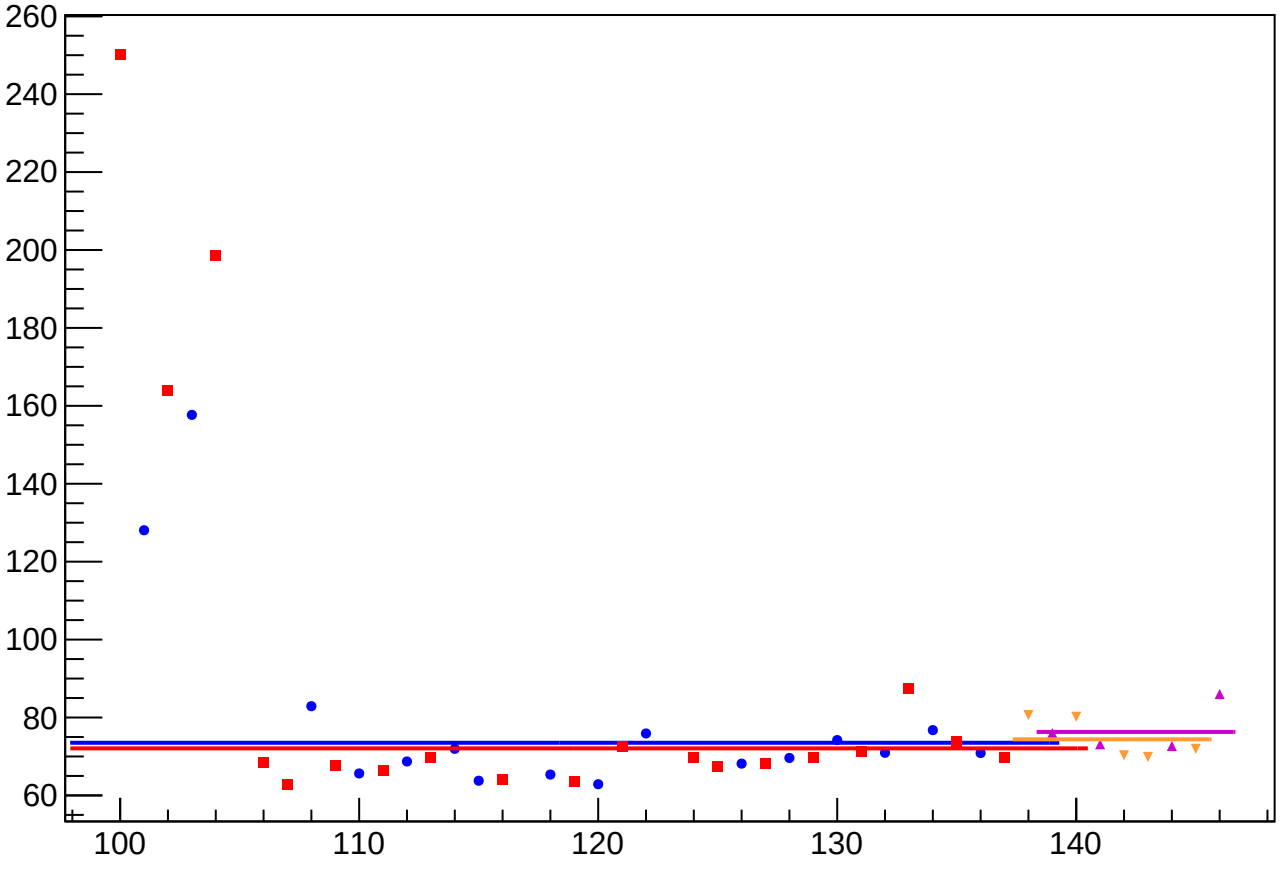
Left In: -121.739+/-40.785 χ^2/NDF:4.9/3

+ sign 1.121+/-22.788 χ^2/NDF: 22.0/20

All: -6.657+/-16.098 χ^2/NDF: 74.3/43

- sign -14.405+/-22.743 χ^2/NDF: 52.1/22

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 74.394+/-0.028 χ^2/NDF:29542.8/4

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

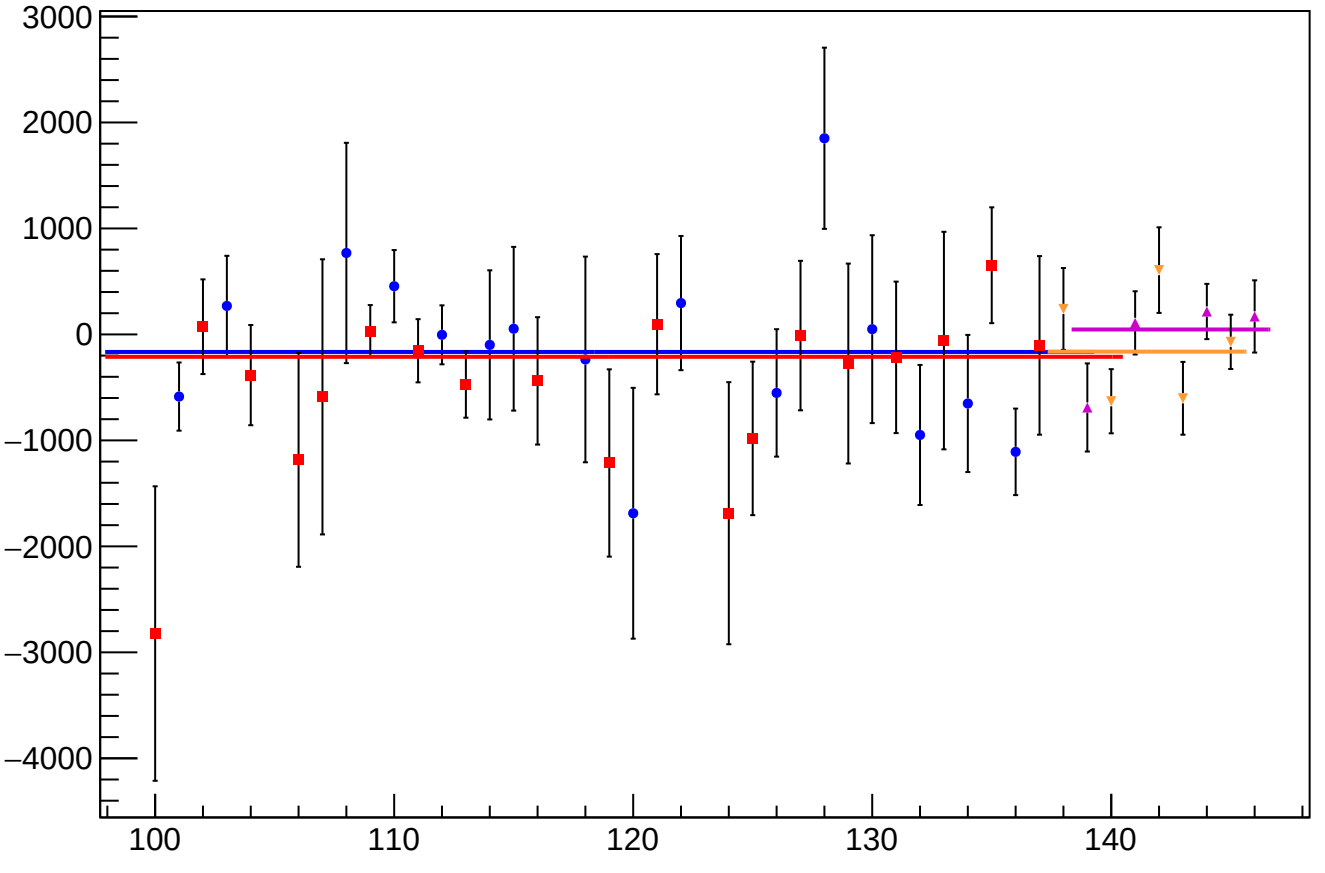
Left In: 76.298+/-0.029 χ^2/NDF:30667.7/3

+ sign 73.818+/-0.016 χ^2/NDF: 687053.0/20

All: 73.602+/-0.011 χ^2/NDF: 1691357.9/43

- sign 73.388+/-0.016 χ^2/NDF: 1003947.6/22

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -162.739+/-145.170 χ^2/NDF:8.9/4

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

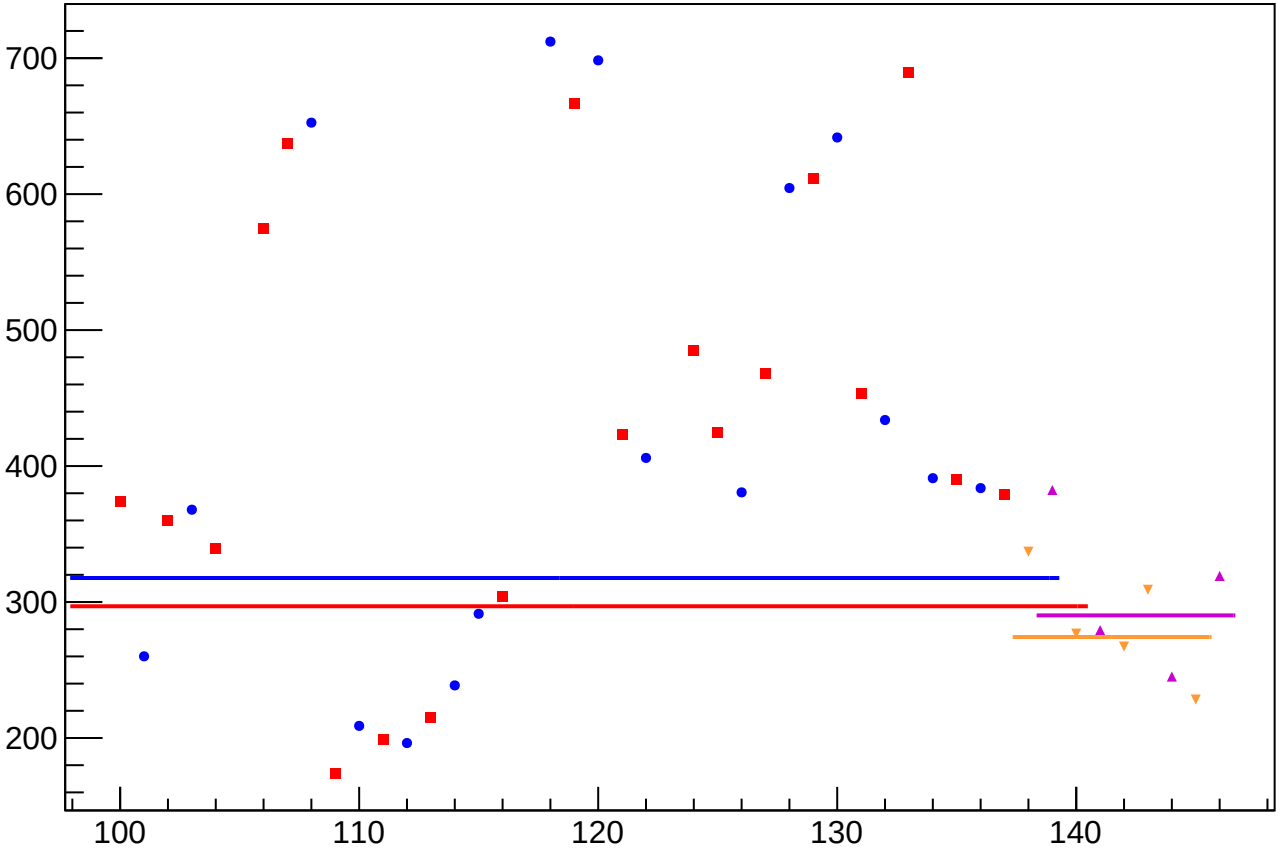
Left In: 46.524+/-157.442 χ^2/NDF:3.7/3

+ sign -164.288+/-96.193 χ^2/NDF: 31.5/20

All: -140.205+/-67.773 χ^2/NDF: 50.7/43

- sign -116.468+/-95.500 χ^2/NDF: 19.0/22

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 274.258+/-0.103 χ^2/NDF:138485.7/4

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

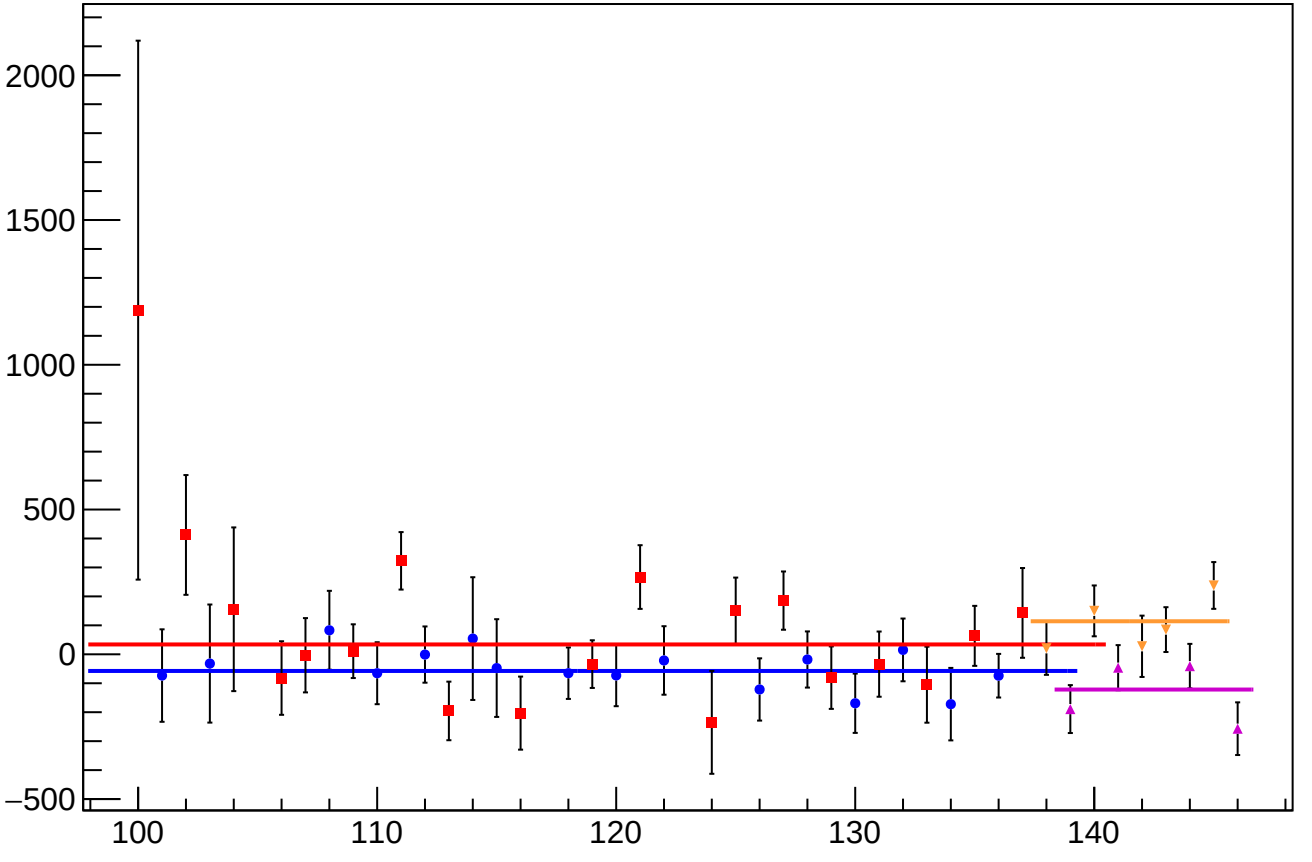
Left In: 290.166+/-0.111 χ^2/NDF:175015.2/3

+ sign 298.606+/-0.068 χ^2/NDF: 2374972.1/20

All: 296.495+/-0.048 χ^2/NDF: 5095244.2/43

- sign 294.415+/-0.068 χ^2/NDF: 2718360.1/22

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 114.103+/-38.982 χ^2/NDF:4.4/4

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

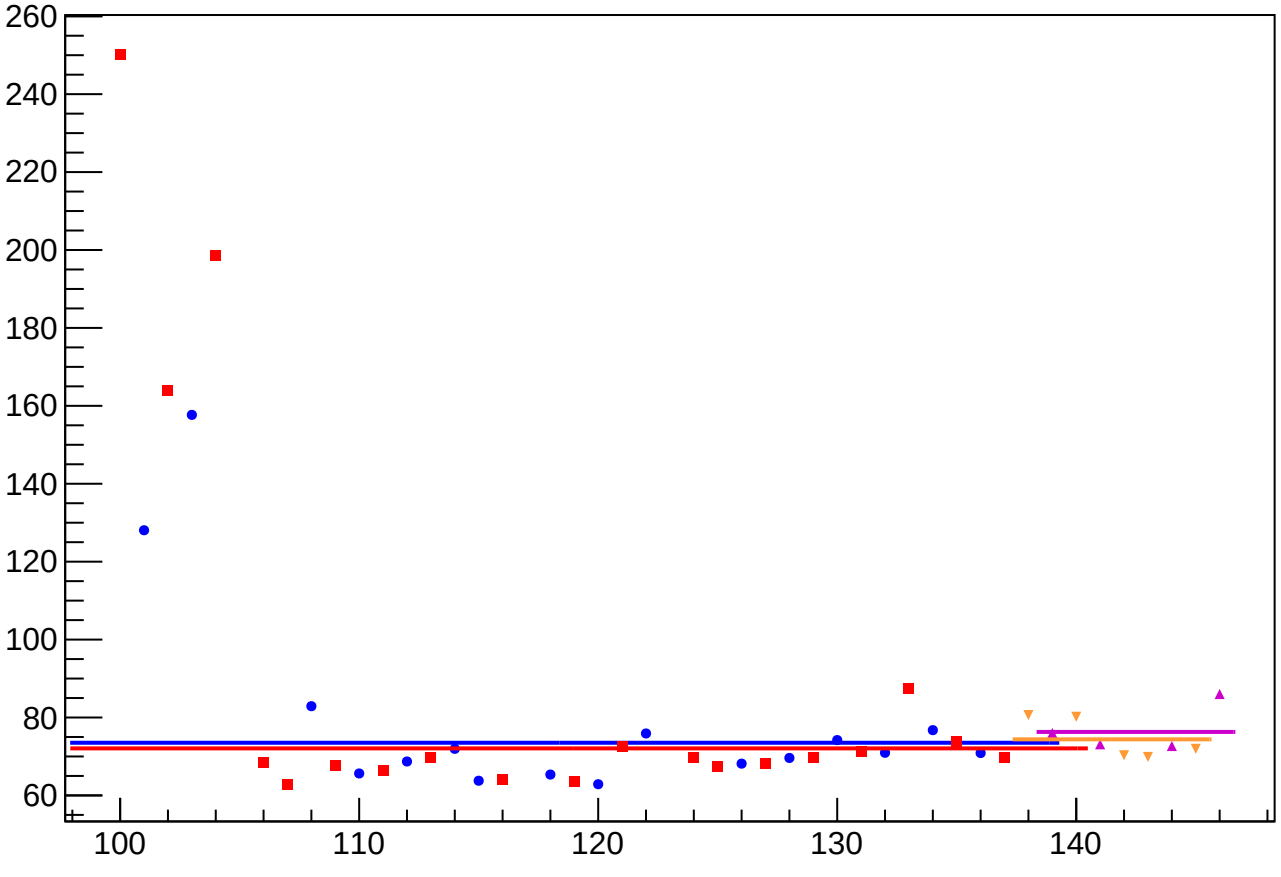
Left In: -121.740+/-40.785 χ^2/NDF:4.9/3

+ sign 1.121+/-22.788 χ^2/NDF: 22.0/20

All: -6.657+/-16.098 χ^2/NDF: 74.3/43

- sign -14.405+/-22.743 χ^2/NDF: 52.1/22

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 74.394+/-0.028 χ^2/NDF:29541.6/4

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

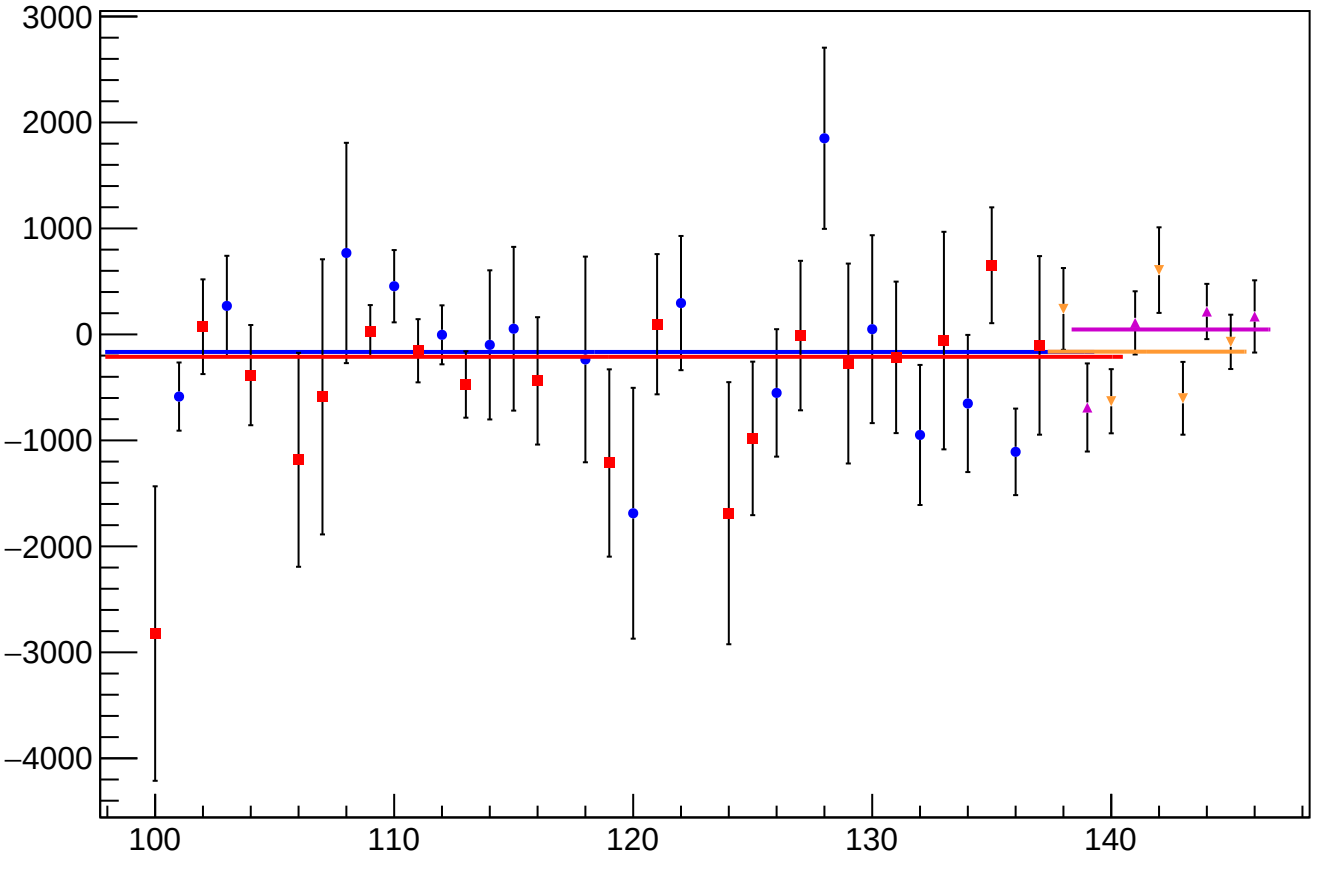
Left In: 76.298+/-0.029 χ^2/NDF:30667.6/3

+ sign 73.818+/-0.016 χ^2/NDF: 687053.8/20

All: 73.602+/-0.011 χ^2/NDF: 1691361.1/43

- sign 73.388+/-0.016 χ^2/NDF: 1003950.1/22

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -162.741+/-145.170 χ^2/NDF:8.9/4

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

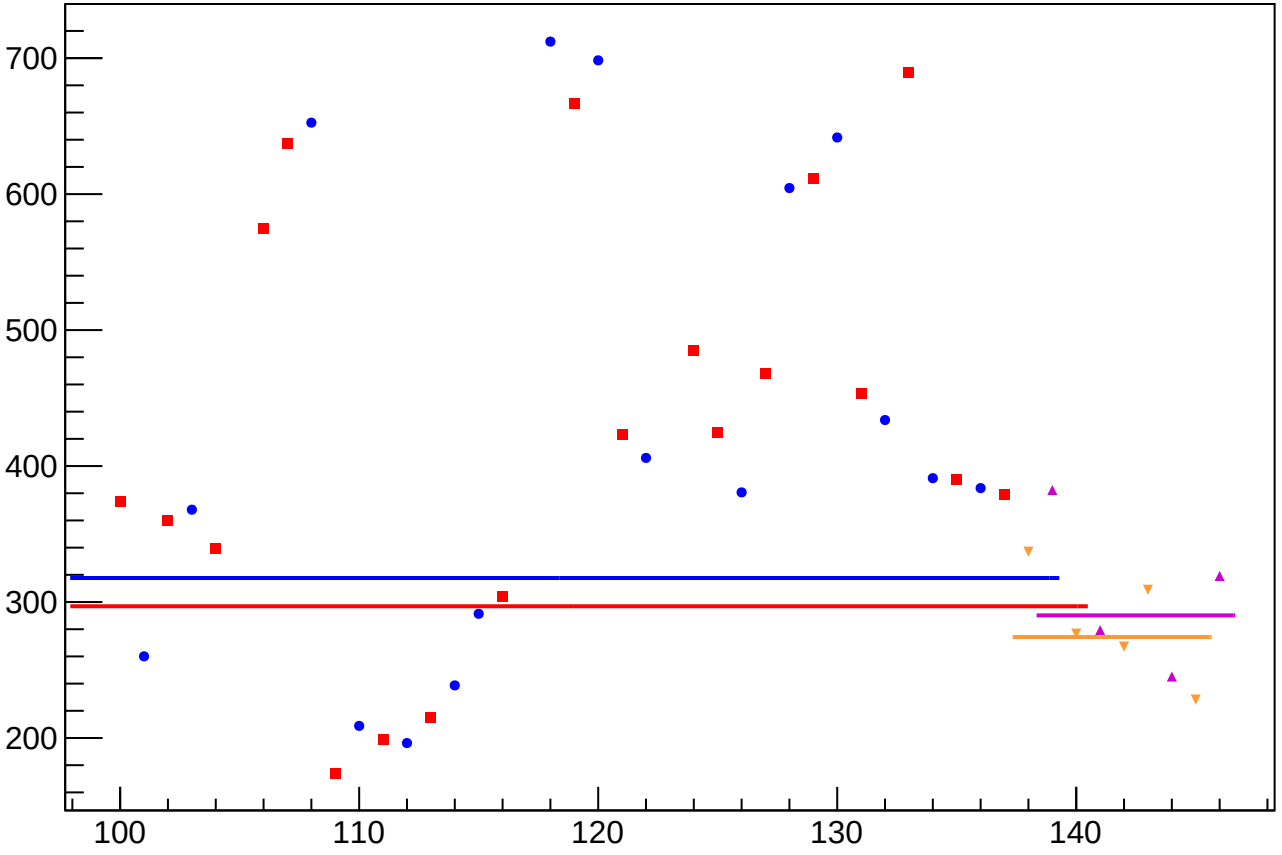
Left In: 46.524+/-157.442 χ^2/NDF:3.7/3

+ sign -164.288+/-96.193 χ^2/NDF: 31.5/20

All: -140.205+/-67.772 χ^2/NDF: 50.7/43

- sign -116.468+/-95.500 χ^2/NDF: 19.0/22

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 274.258+/-0.103 χ^2/NDF:138487.2/4

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

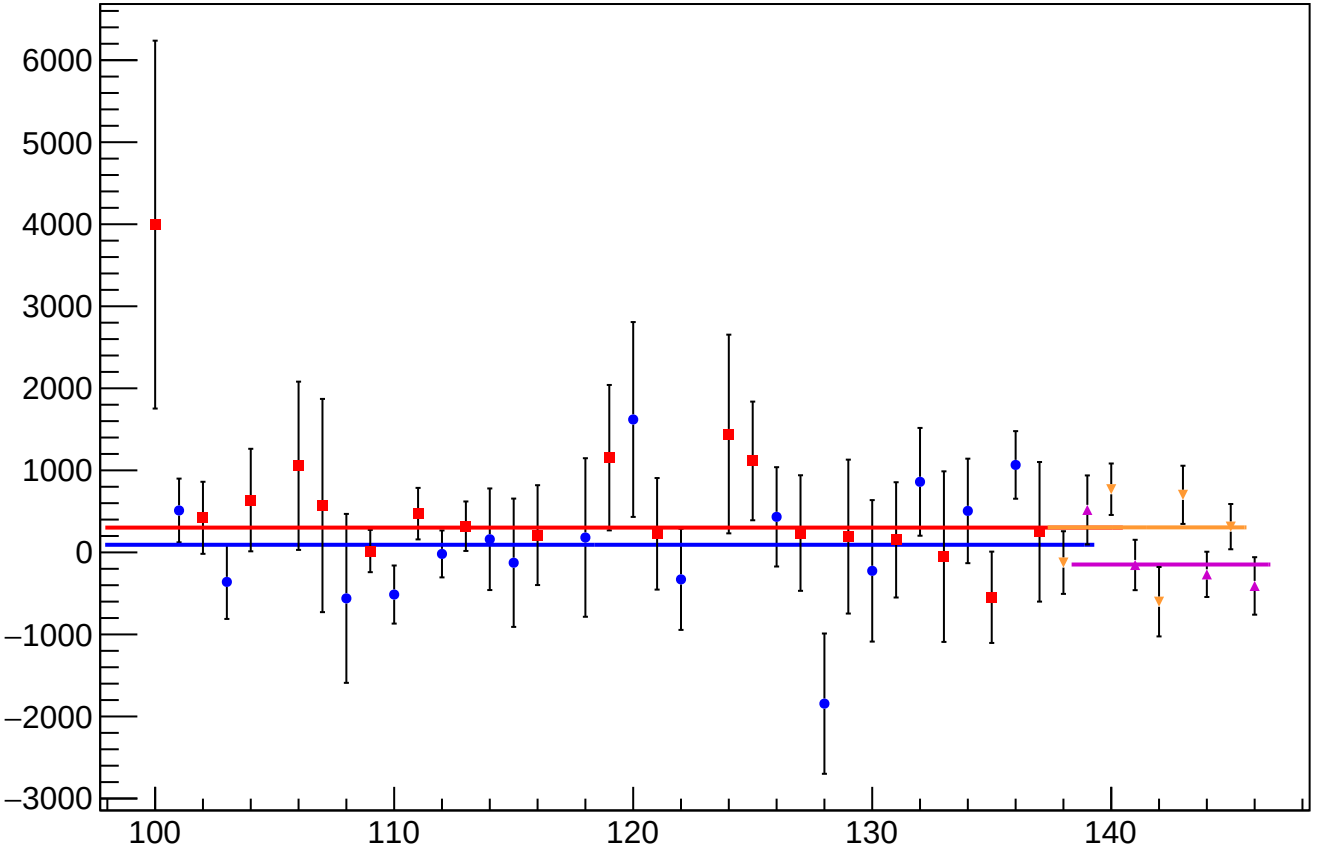
Left In: 290.165+/-0.111 χ^2/NDF:175017.4/3

+ sign 298.604+/-0.068 χ^2/NDF: 2374997.4/20

All: 296.494+/-0.048 χ^2/NDF: 5095281.2/43

- sign 294.414+/-0.068 χ^2/NDF: 2718372.4/22

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 304.887+/-151.273 χ^2/NDF:9.3/4

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

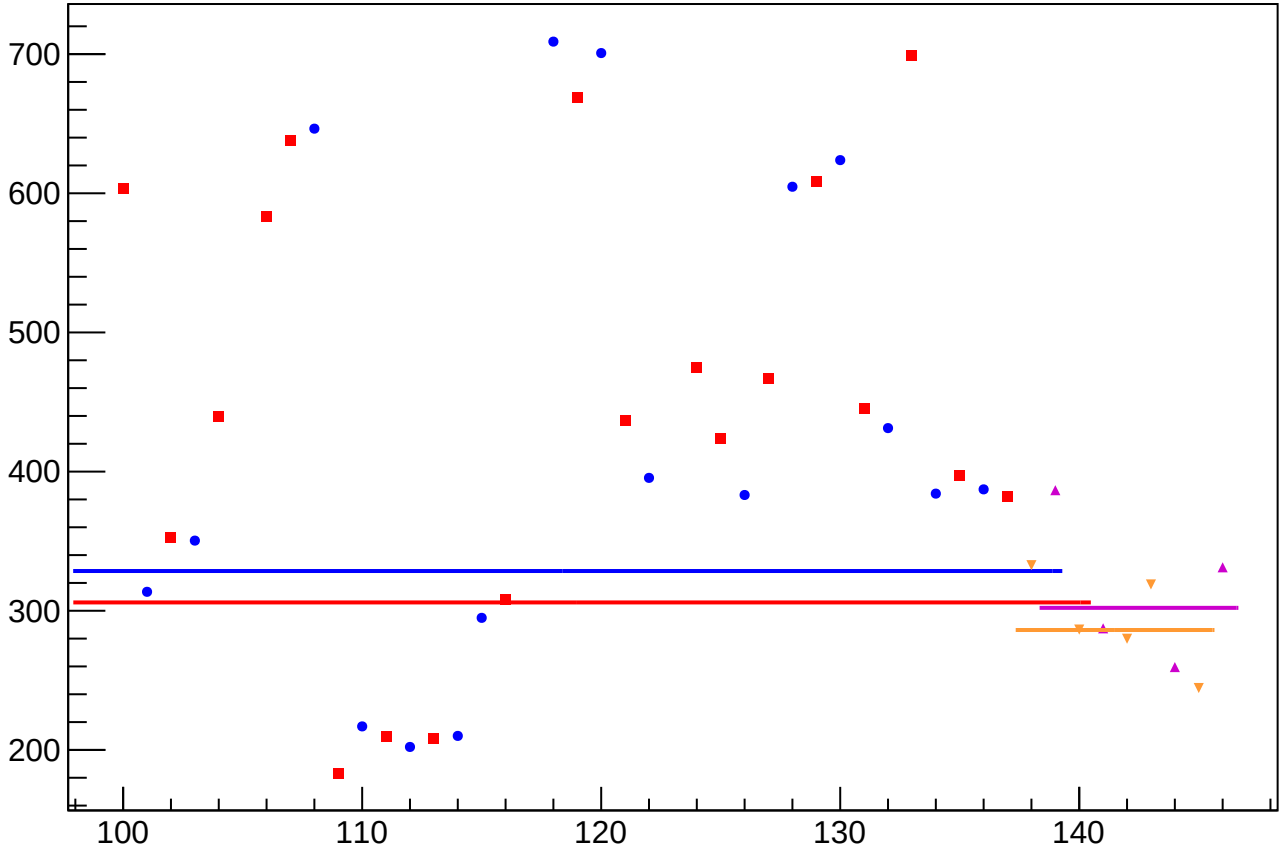
Left In: -147.706+/-163.172 χ^2/NDF:3.3/3

+ sign 184.425+/-99.427 χ^2/NDF: 31.2/20

All: 160.879+/-70.042 χ^2/NDF: 50.2/43

- sign 137.683+/-98.685 χ^2/NDF: 18.9/22

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 286.178+/-0.107 χ^2/NDF:92913.1/4

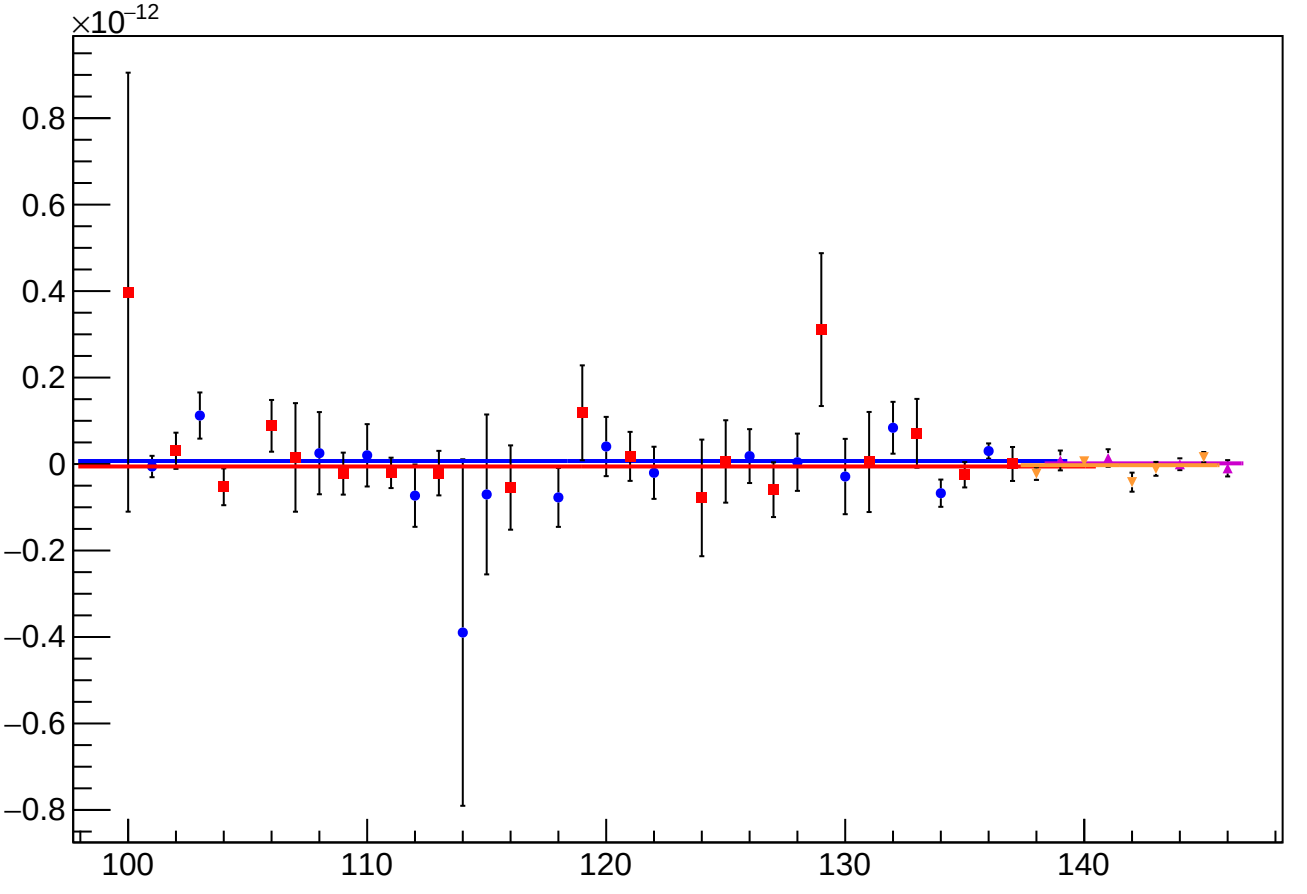
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 302.100+/-0.115 χ^2/NDF:146925.9/3

+ sign 310.255+/-0.070 χ^2/NDF: 2140981.4/20

All: 307.389+/-0.050 χ^2/NDF: 4819388.7/43

- sign 304.566+/-0.070 χ^2/NDF: 2675109.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/4

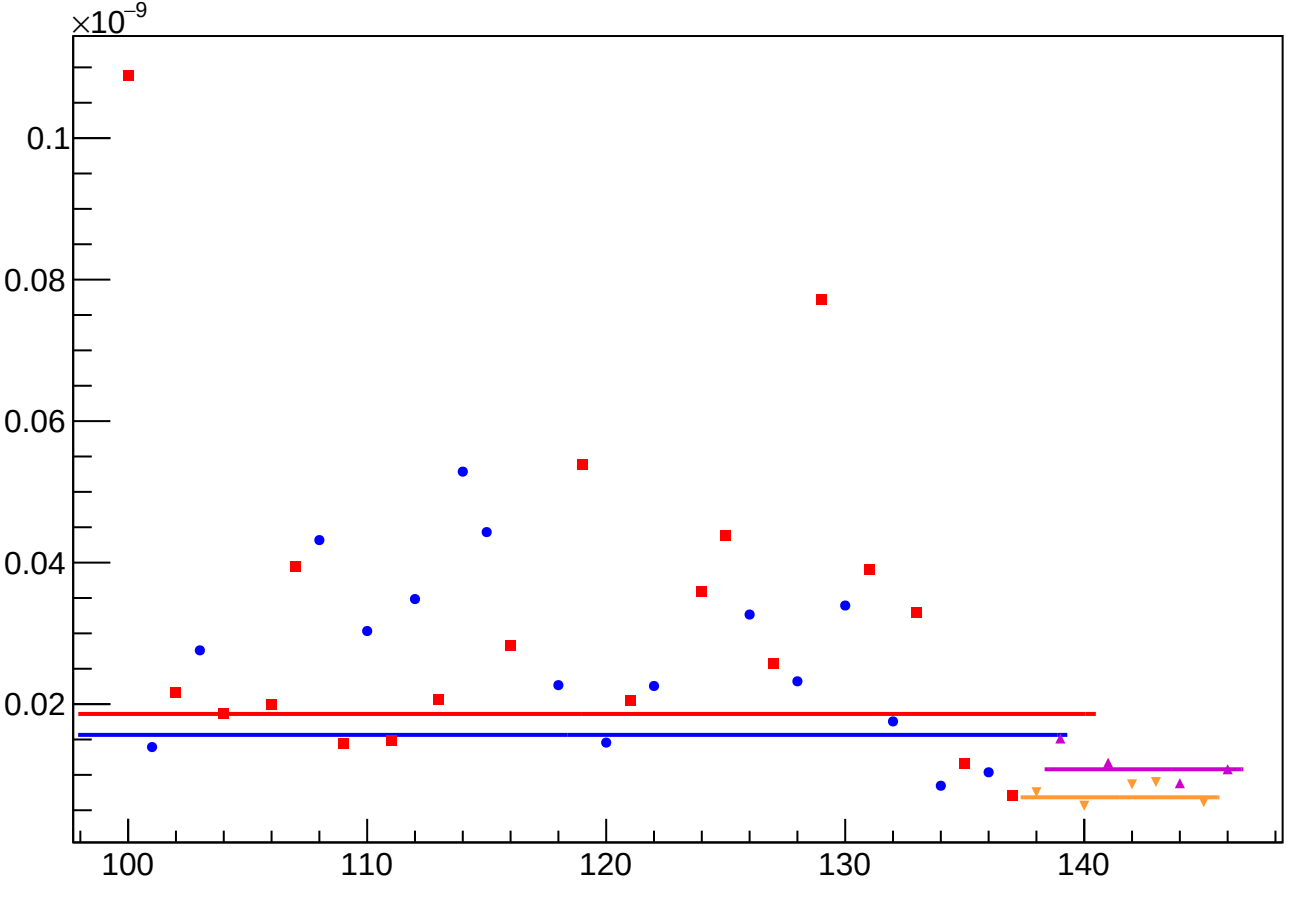
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.6/20

All: -0.000+/-0.000 χ^2/NDF: 40.5/43

- sign -0.000+/-0.000 χ^2/NDF: 13.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:86431.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

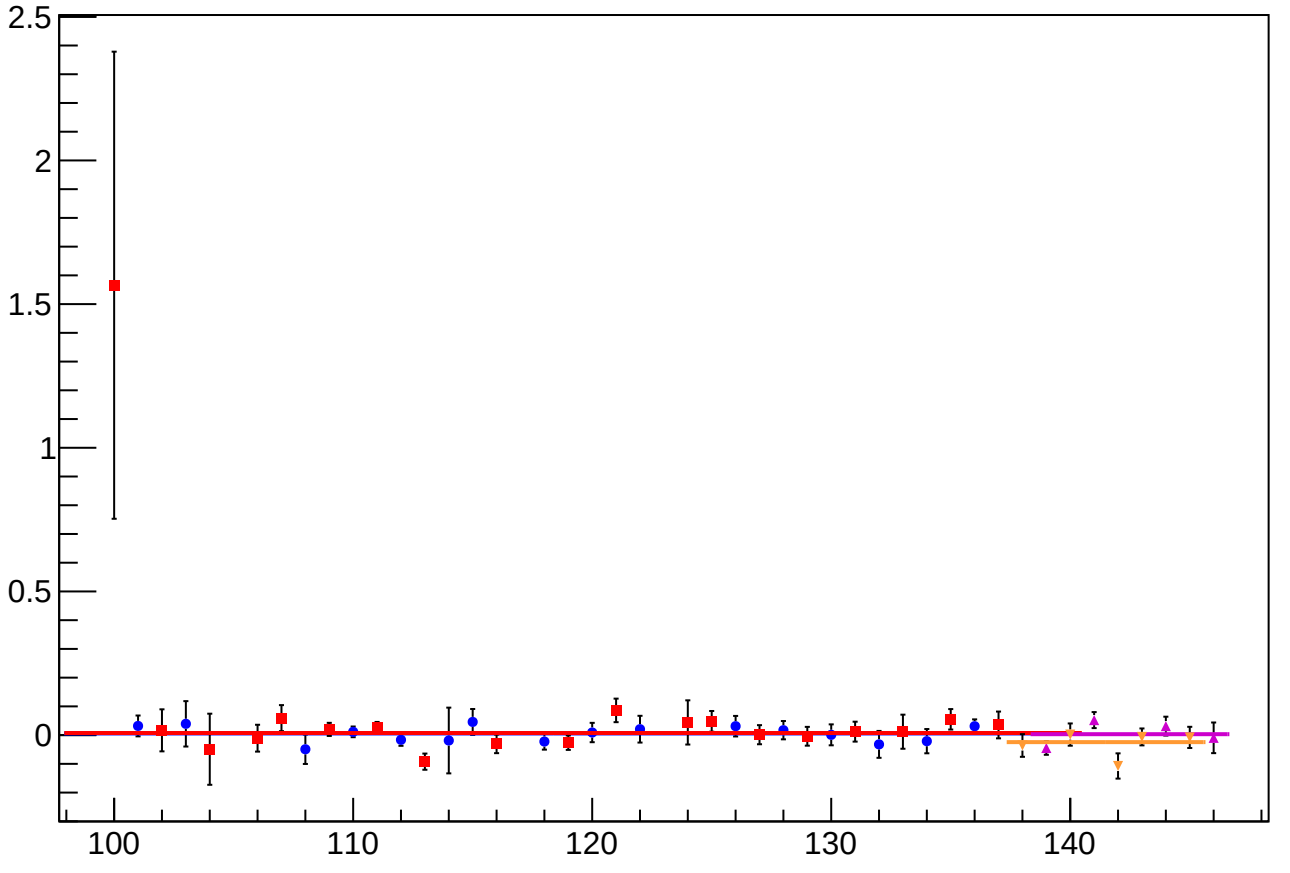
Left In: 0.000+/-0.000 χ^2/NDF:117441.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2238995.5/20

All: 0.000+/-0.000 χ^2/NDF: 4556345.4/43

- sign 0.000+/-0.000 χ^2/NDF: 1845569.5/22

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.024+/-0.016 χ^2/NDF:4.7/4

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

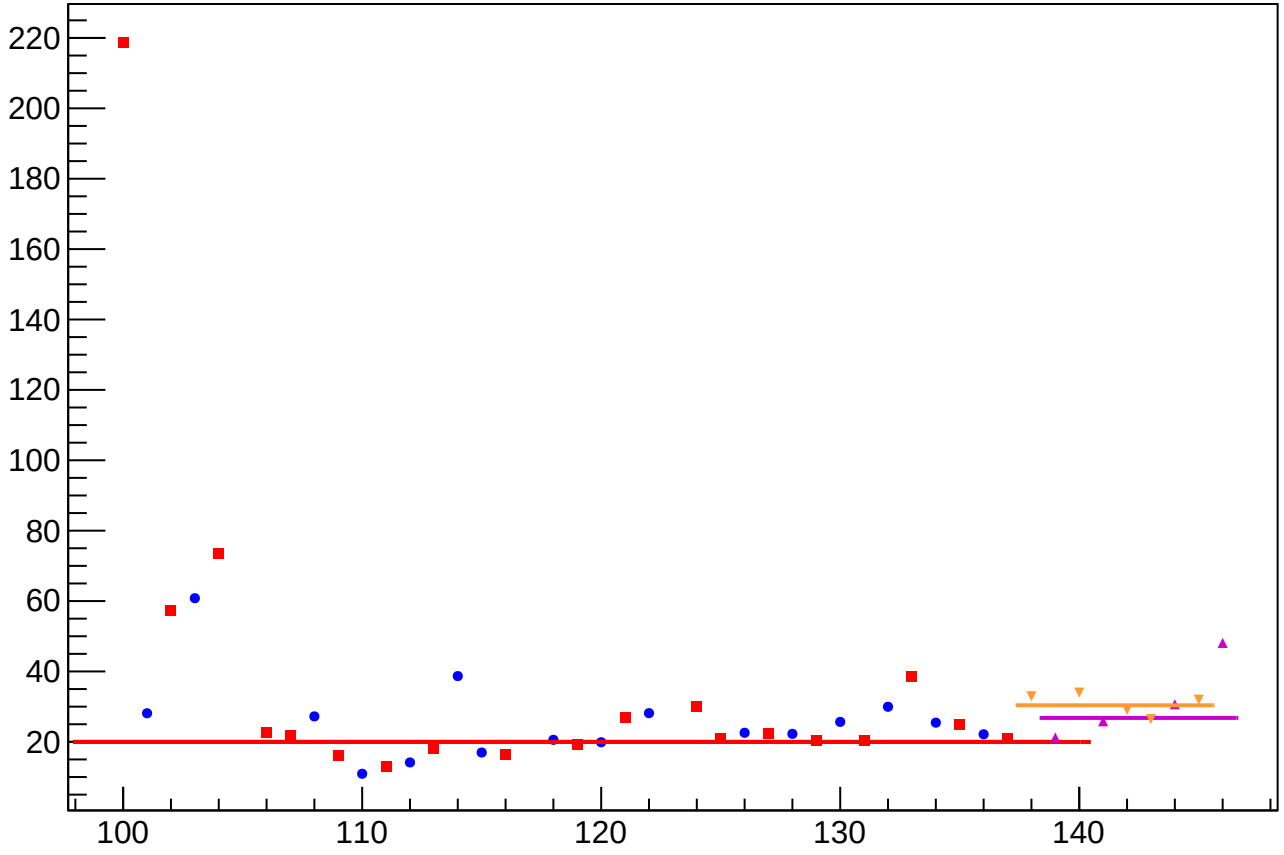
Left In: 0.003+/-0.015 χ^2/NDF:8.0/3

+ sign -0.000+/-0.007 χ^2/NDF: 15.3/20

All: 0.003+/-0.005 χ^2/NDF: 53.5/43

- sign 0.006+/-0.007 χ^2/NDF: 37.8/22

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 30.384+/-0.012 χ^2/NDF:66574.9/4

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

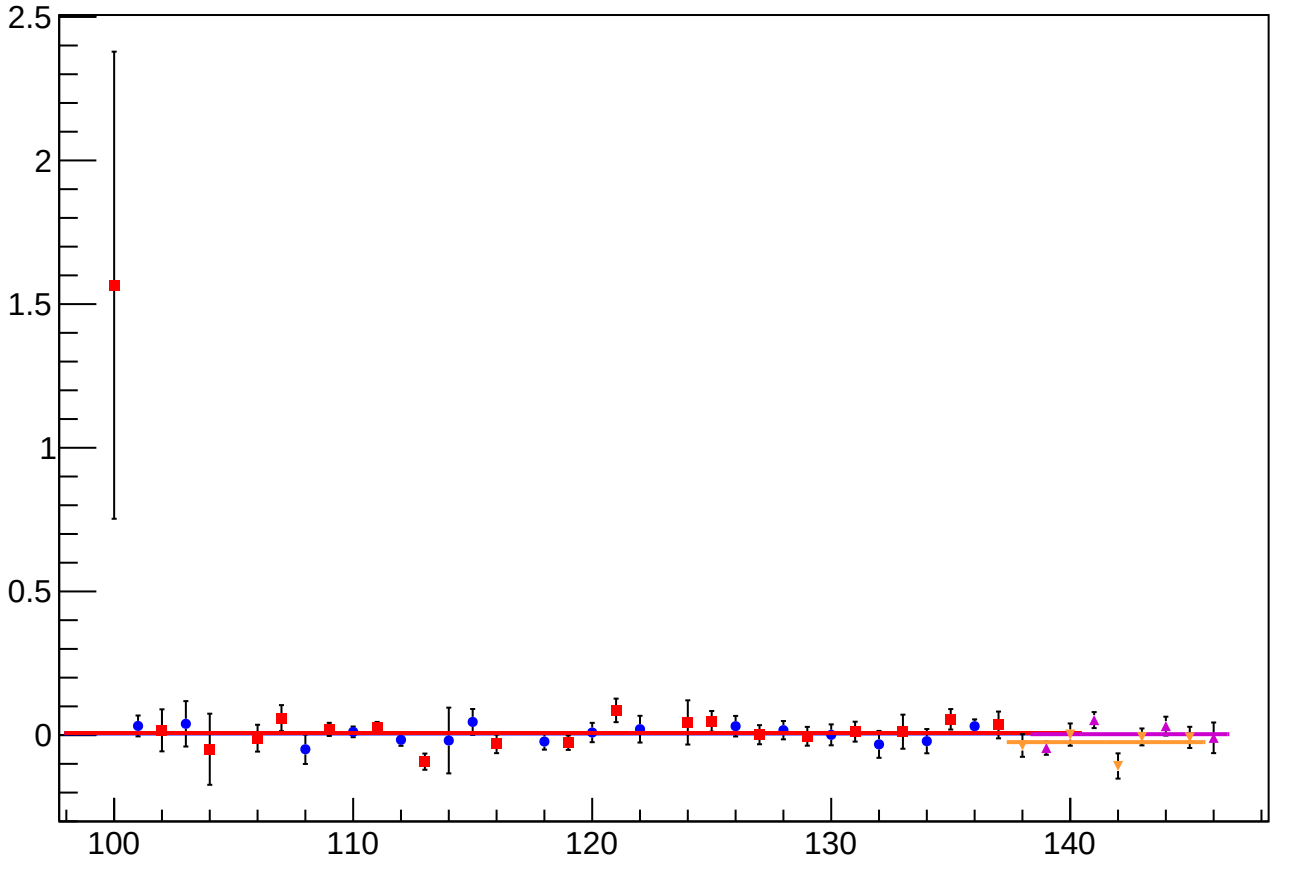
Left In: 26.798+/-0.011 χ^2/NDF:459746.6/3

+ sign 22.064+/-0.005 χ^2/NDF: 2350454.4/20

All: 21.763+/-0.004 χ^2/NDF: 4849185.4/43

- sign 21.475+/-0.005 χ^2/NDF: 2492085.1/22

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.024+/-0.016 χ^2/NDF:4.7/4

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

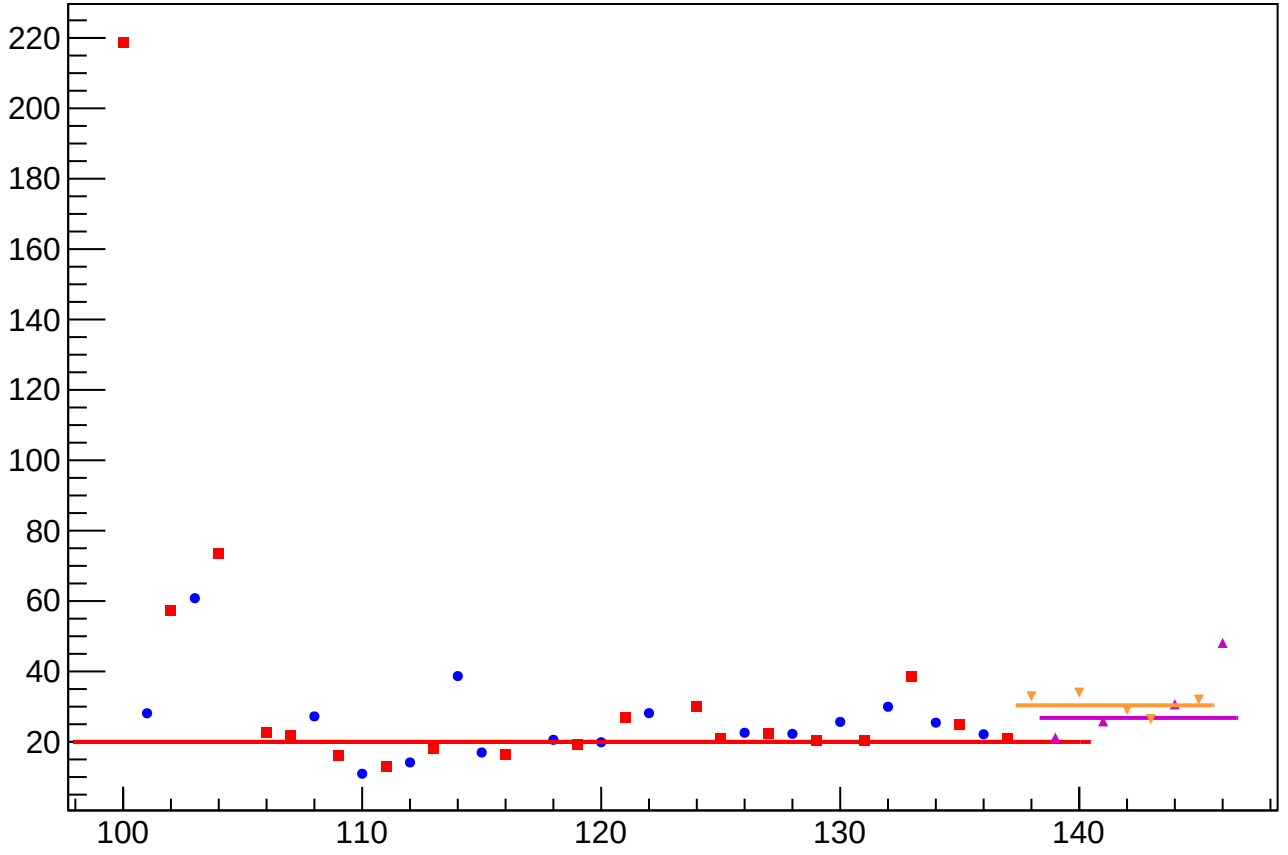
Left In: 0.003+/-0.015 χ^2/NDF:8.0/3

+ sign -0.000+/-0.007 χ^2/NDF: 15.3/20

All: 0.003+/-0.005 χ^2/NDF: 53.5/43

- sign 0.006+/-0.007 χ^2/NDF: 37.8/22

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 30.384+/-0.012 χ^2/NDF:66574.9/4

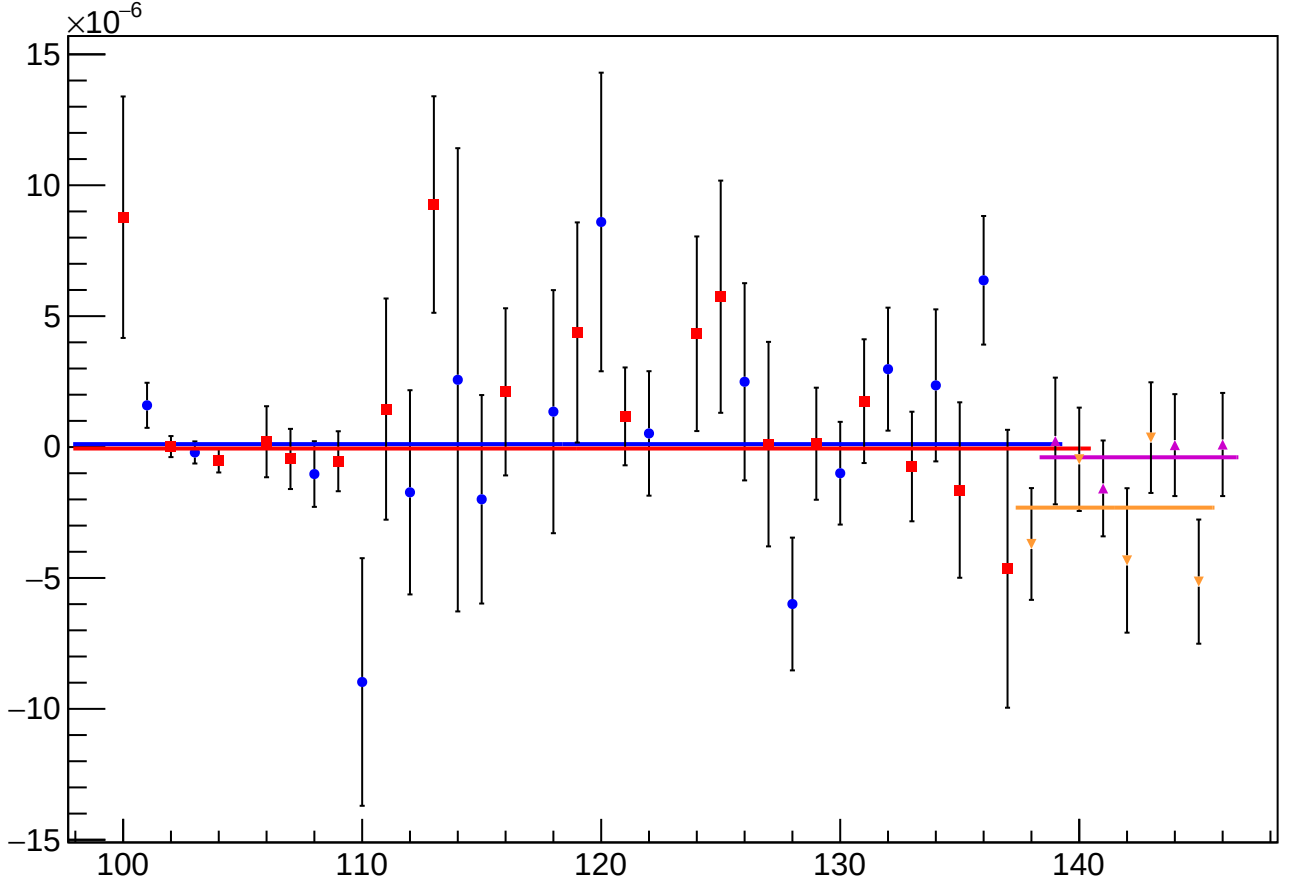
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.798+/-0.011 χ^2/NDF:459746.6/3

+ sign 22.064+/-0.005 χ^2/NDF: 2350454.4/20

All: 21.763+/-0.004 χ^2/NDF: 4849185.4/43

- sign 21.475+/-0.005 χ^2/NDF: 2492085.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

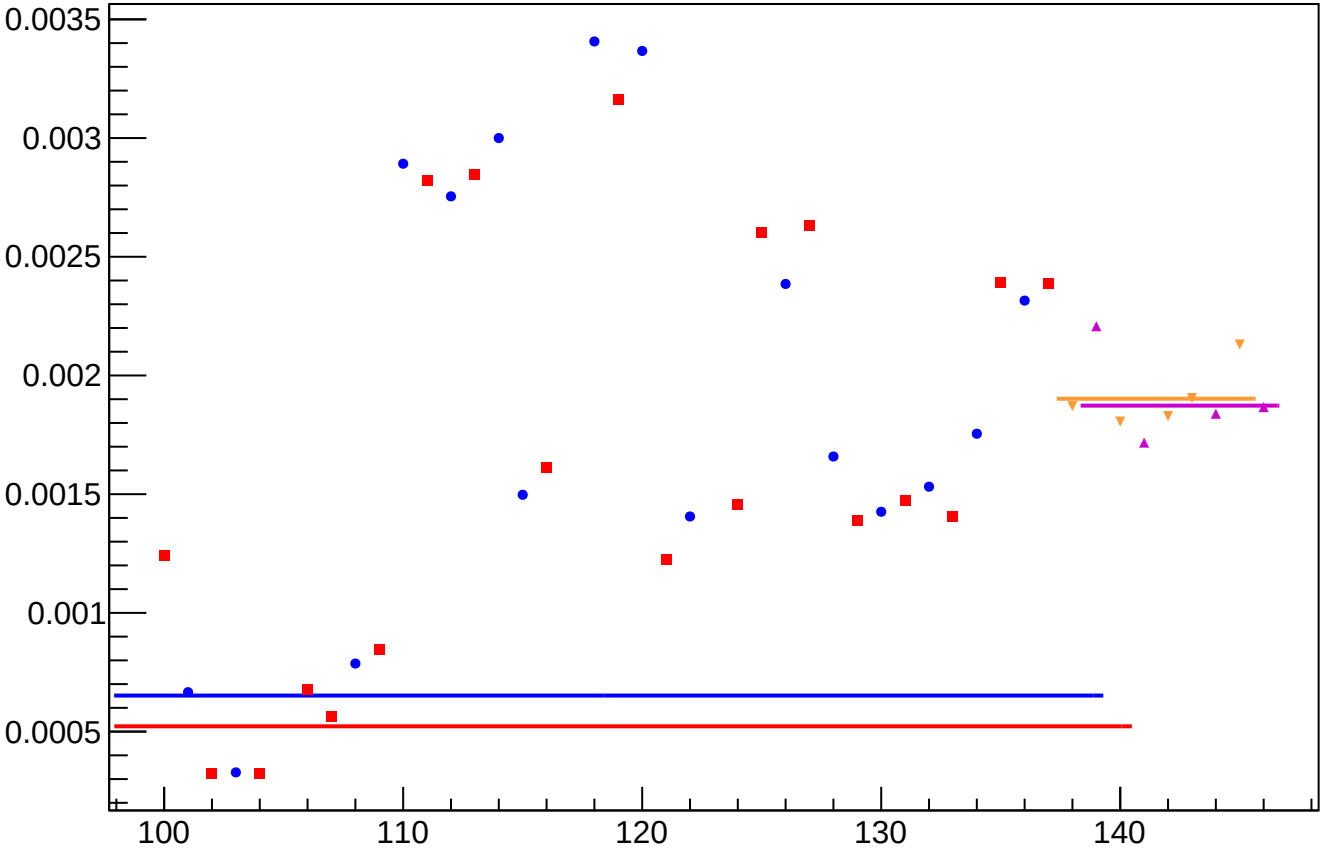
Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 36.2/20

All: -0.000+/-0.000 χ^2/NDF: 54.1/43

- sign -0.000+/-0.000 χ^2/NDF: 17.8/22

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:25166.6/4

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

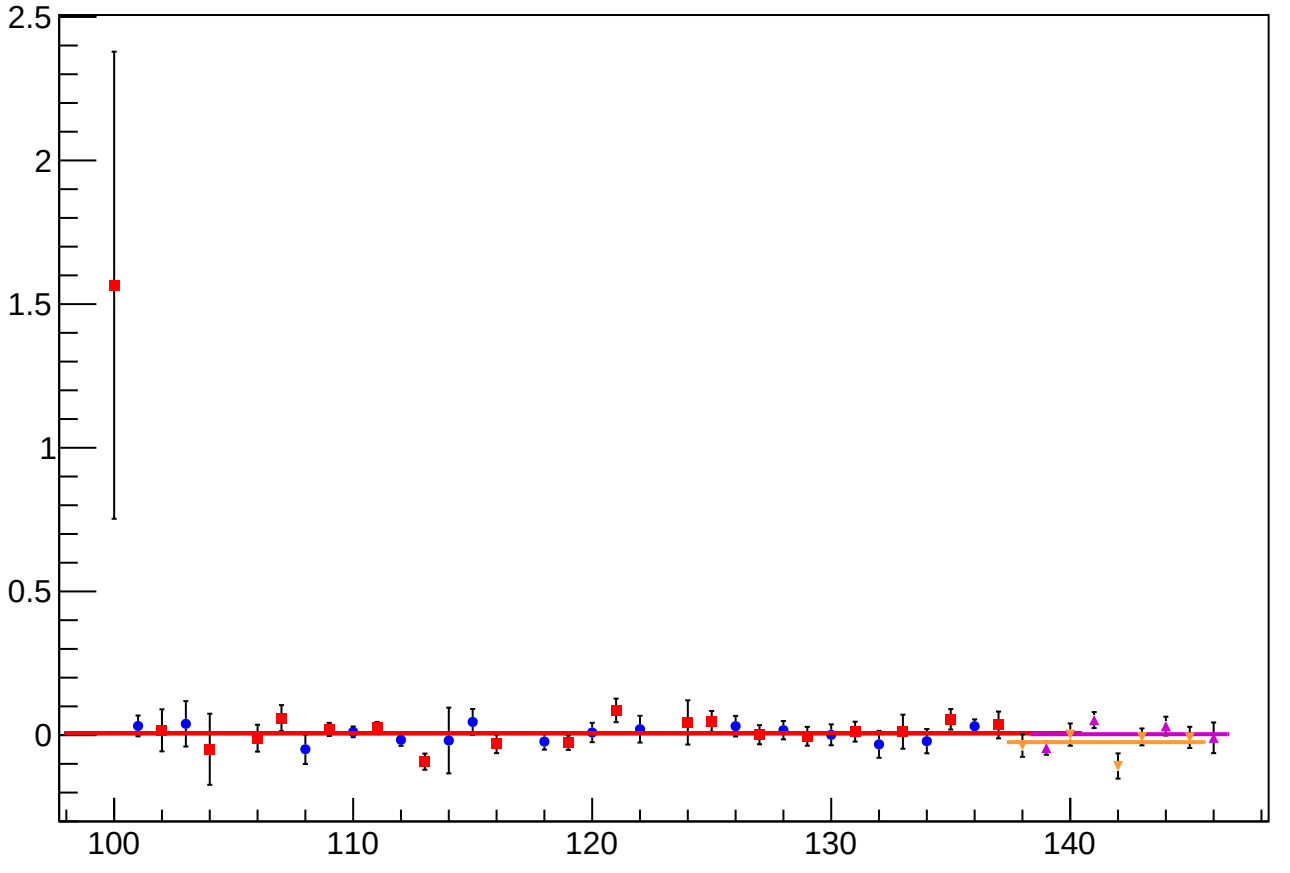
Left In: 0.002+/-0.000 χ^2/NDF:53289.3/3

+ sign 0.001+/-0.000 χ^2/NDF: 9219472.1/20

All: 0.001+/-0.000 χ^2/NDF: 19693939.3/43

- sign 0.001+/-0.000 χ^2/NDF: 10117904.7/22

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.024+/-0.016 χ^2/NDF:4.7/4

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

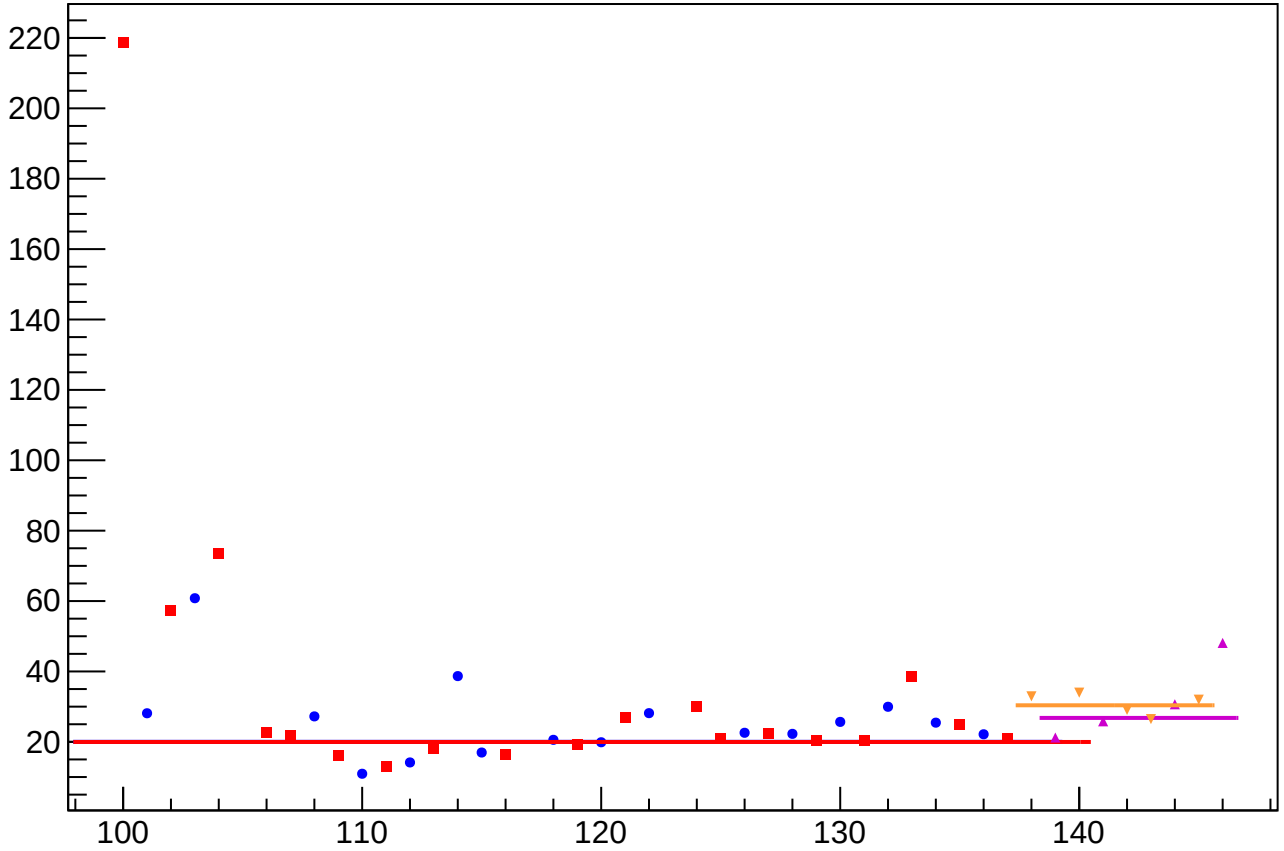
Left In: 0.003+/-0.015 χ^2/NDF:8.0/3

+ sign -0.000+/-0.007 χ^2/NDF: 15.3/20

All: 0.003+/-0.005 χ^2/NDF: 53.5/43

- sign 0.006+/-0.007 χ^2/NDF: 37.8/22

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 30.384+/-0.012 χ^2/NDF:66568.2/4

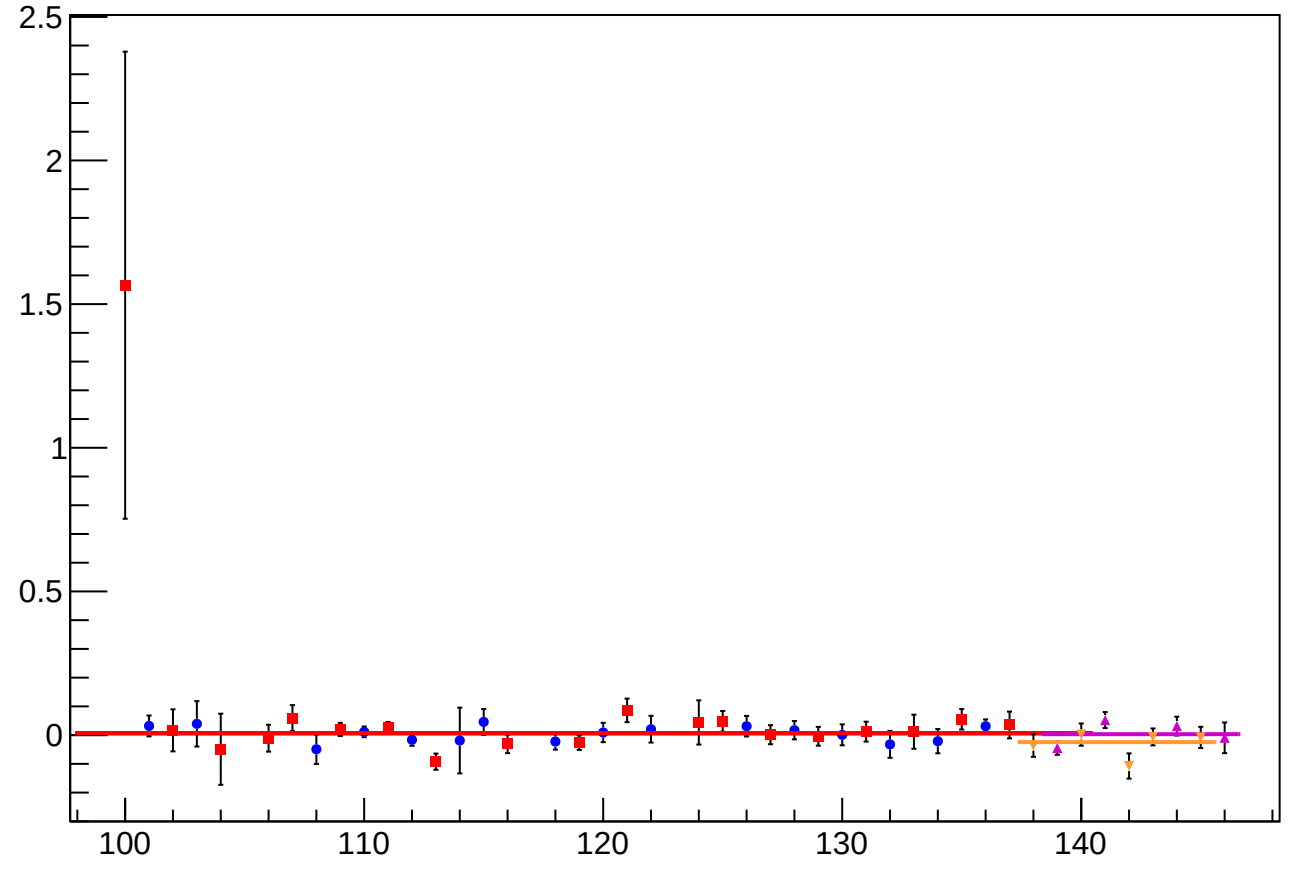
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.798+/-0.011 χ^2/NDF:459751.6/3

+ sign 22.064+/-0.005 χ^2/NDF: 2350244.0/20

All: 21.763+/-0.004 χ^2/NDF: 4848914.1/43

- sign 21.475+/-0.005 χ^2/NDF: 2492016.6/22



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.024+/-0.016 χ^2/NDF:4.7/4

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

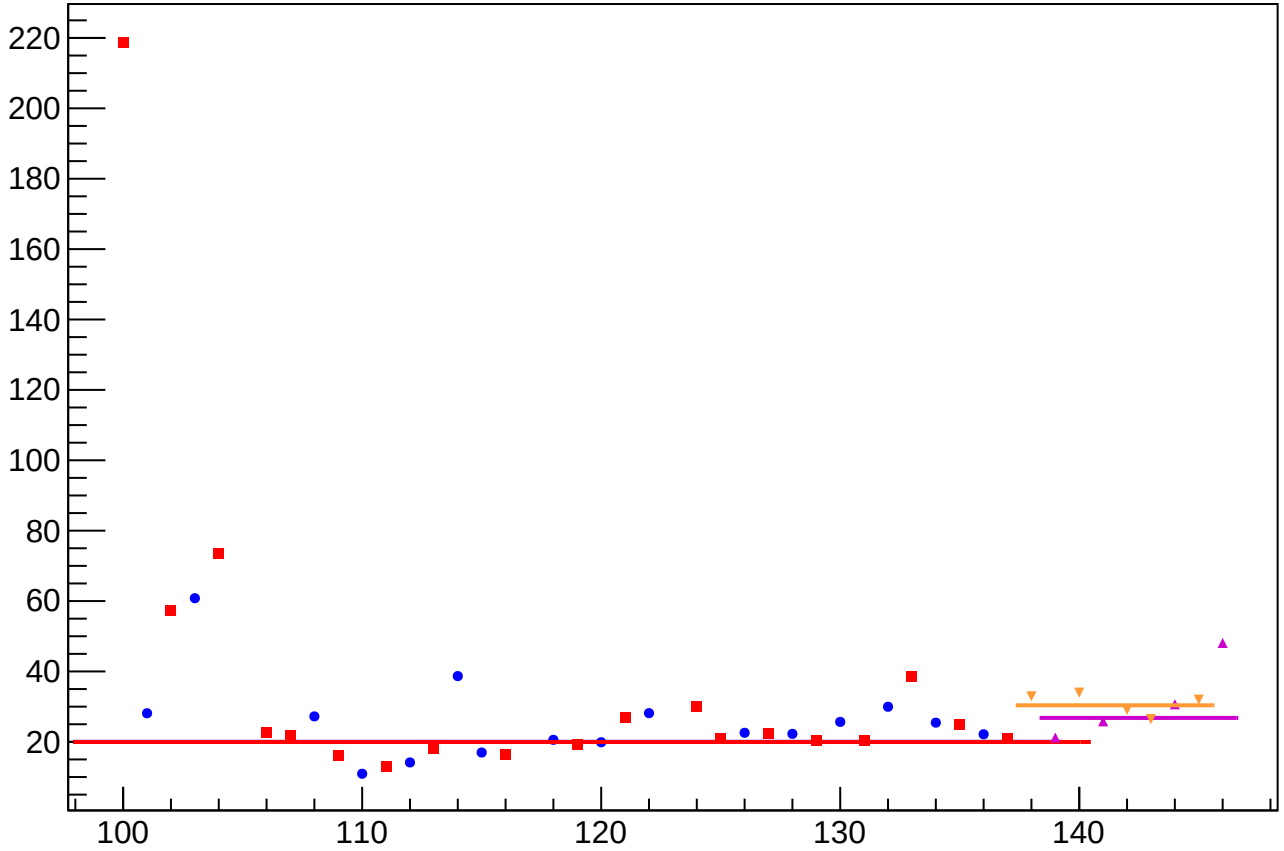
Left In: 0.003+/-0.015 χ^2/NDF:8.0/3

+ sign -0.000+/-0.007 χ^2/NDF: 15.3/20

All: 0.003+/-0.005 χ^2/NDF: 53.5/43

- sign 0.006+/-0.007 χ^2/NDF: 37.8/22

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: 30.384+/-0.012 χ^2/NDF:66568.2/4

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

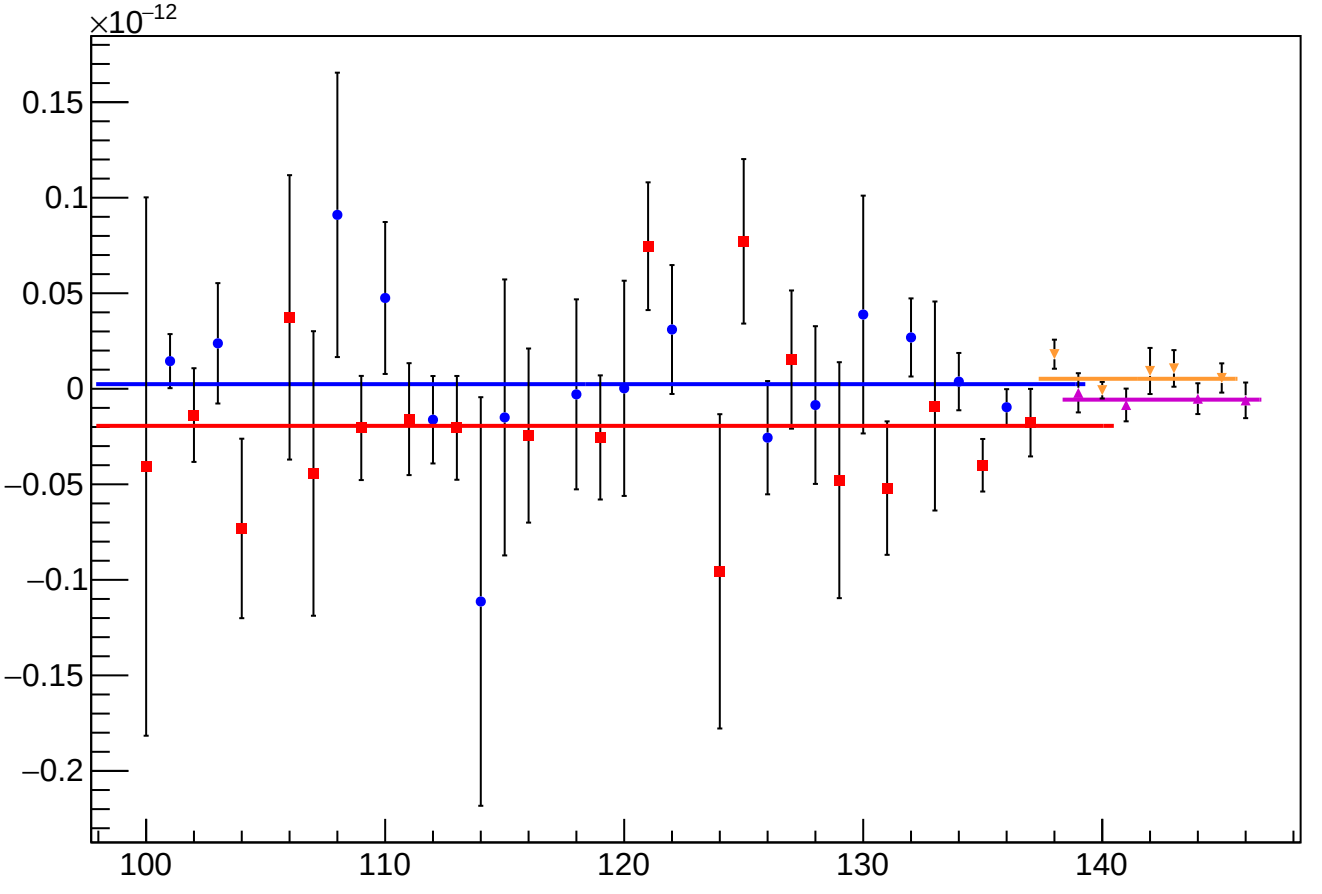
Left In: 26.798+/-0.011 χ^2/NDF:459751.6/3

+ sign 22.064+/-0.005 χ^2/NDF: 2350244.0/20

All: 21.763+/-0.004 χ^2/NDF: 4848914.1/43

- sign 21.475+/-0.005 χ^2/NDF: 2492016.6/22

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/4

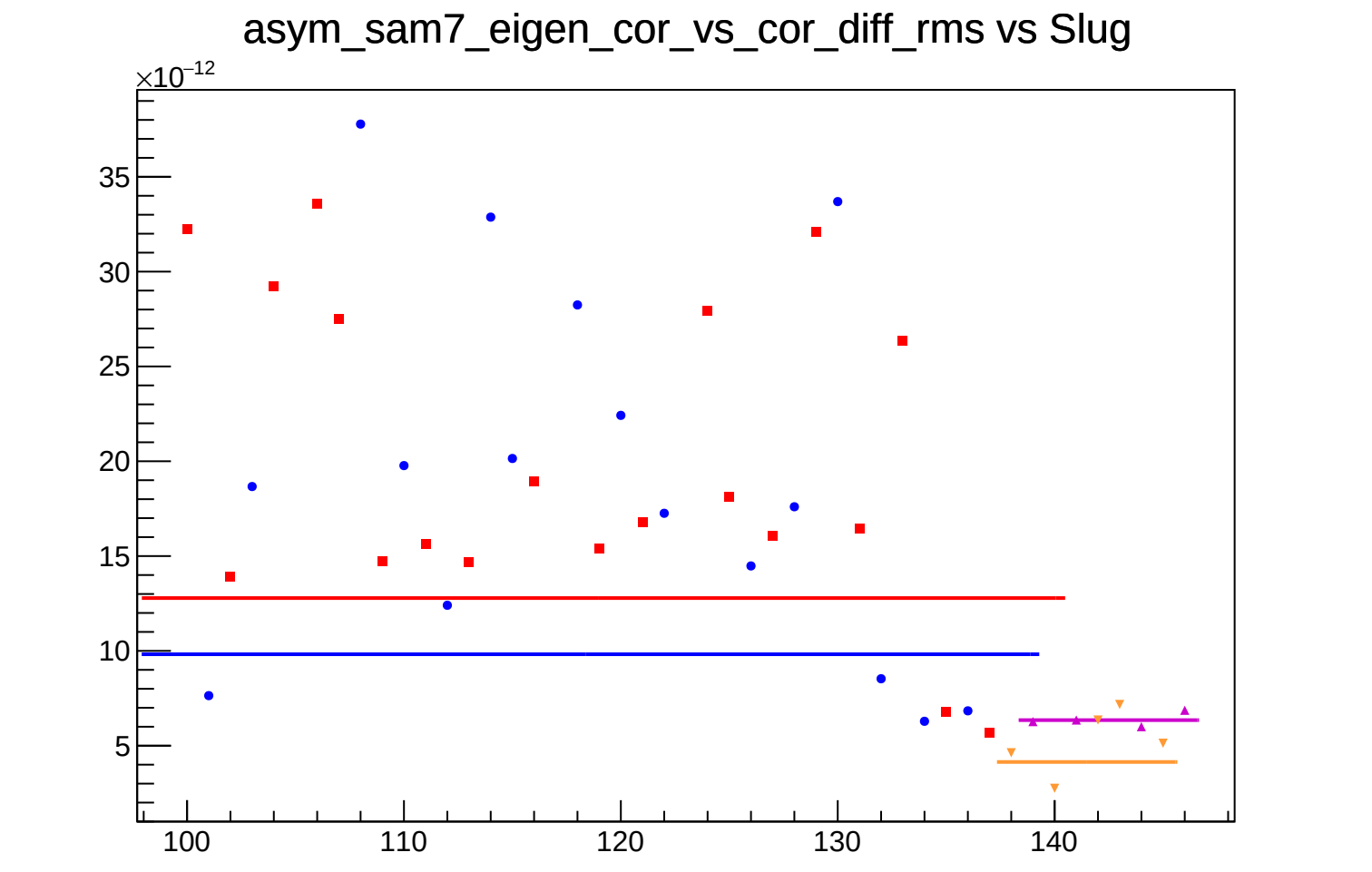
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/20

All: -0.000+/-0.000 χ^2/NDF: 48.7/43

- sign -0.000+/-0.000 χ^2/NDF: 23.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:513327.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

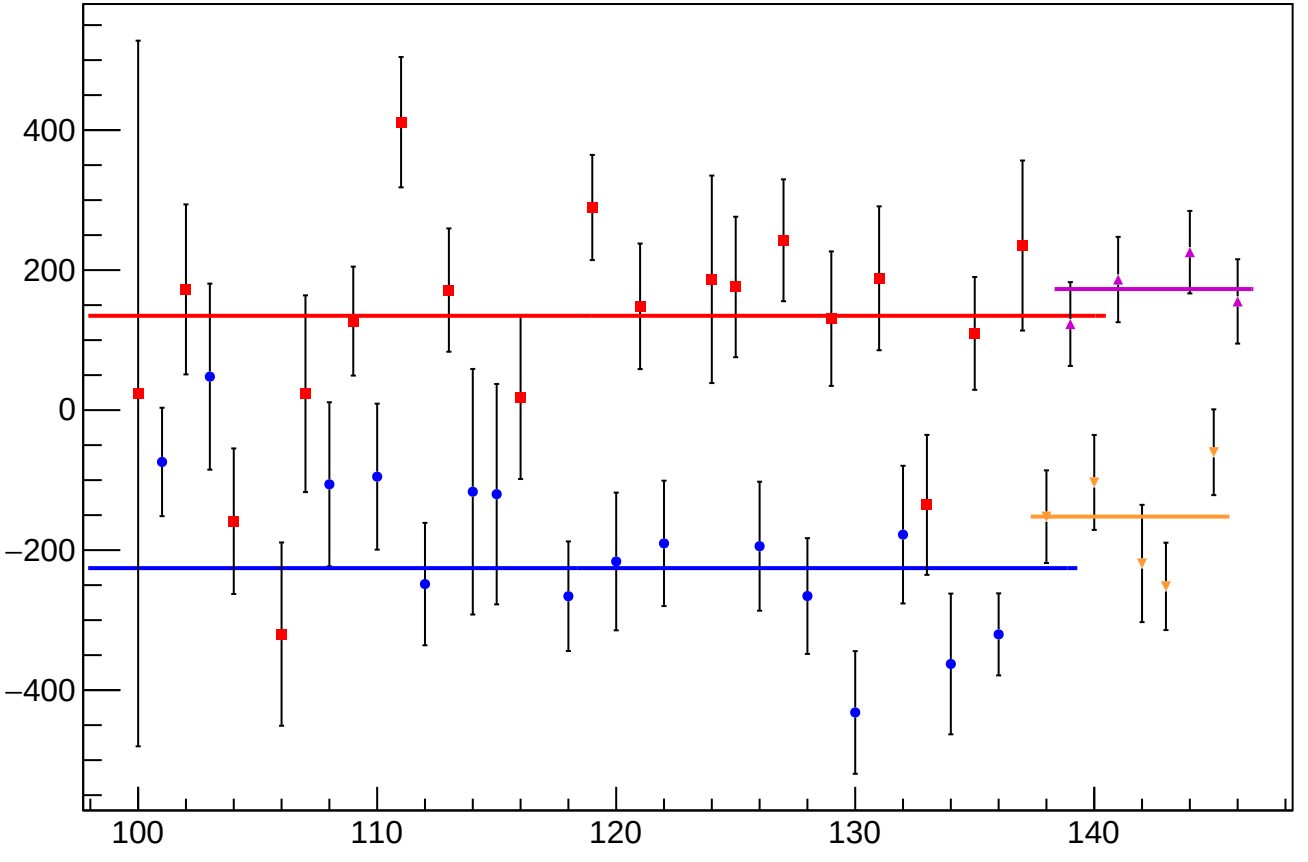
Left In: 0.000+/-0.000 χ^2/NDF:10017.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 4021484.9/20

All: 0.000+/-0.000 χ^2/NDF: 7725995.9/43

- sign 0.000+/-0.000 χ^2/NDF: 2996308.3/22

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.123+/-29.995 χ^2/NDF:6.0/4

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

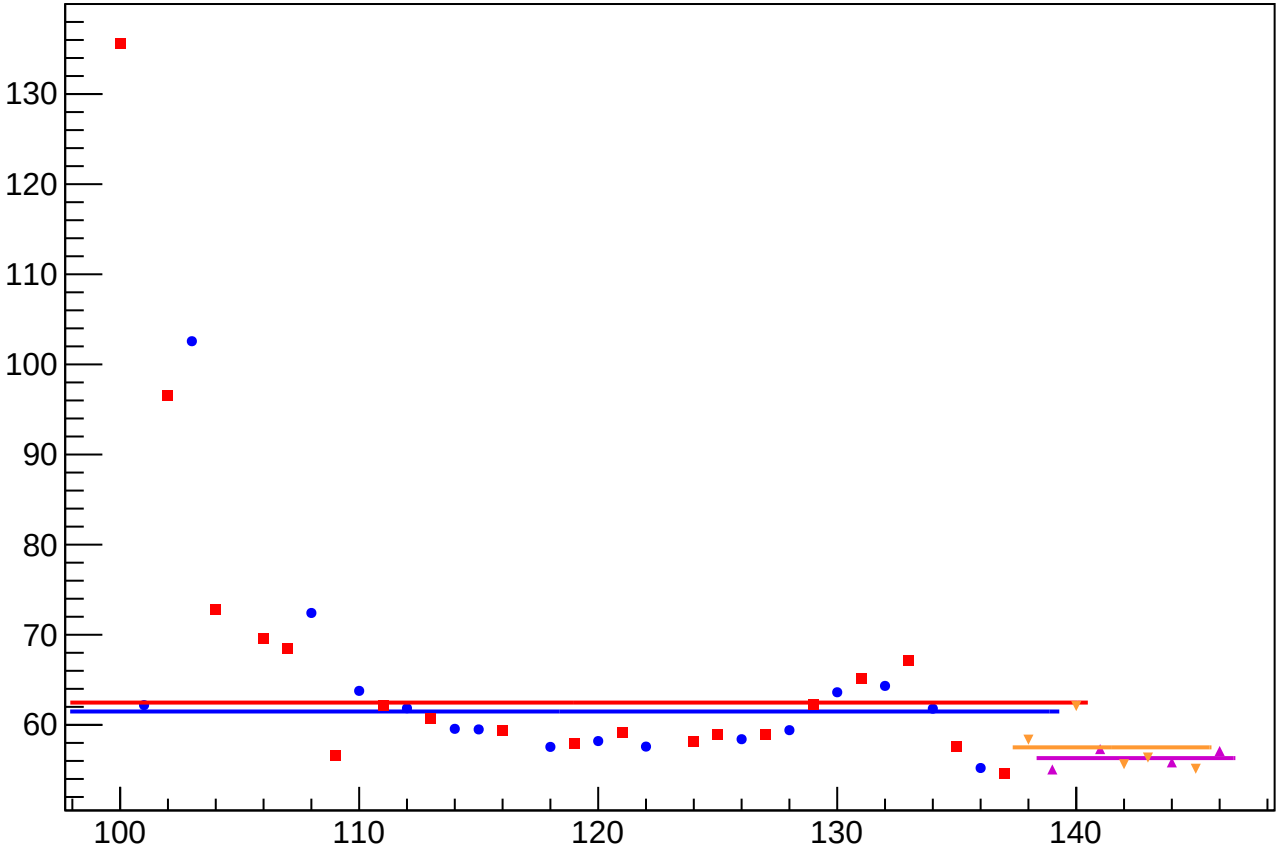
Left In: 172.967+/-29.996 χ^2/NDF:1.6/3

+ sign -198.275+/-18.311 χ^2/NDF: 32.3/20

All: -24.957+/-12.961 χ^2/NDF: 259.8/43

- sign 149.055+/-18.347 χ^2/NDF: 47.9/22

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.507+/-0.021 χ^2/NDF:14108.4/4

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

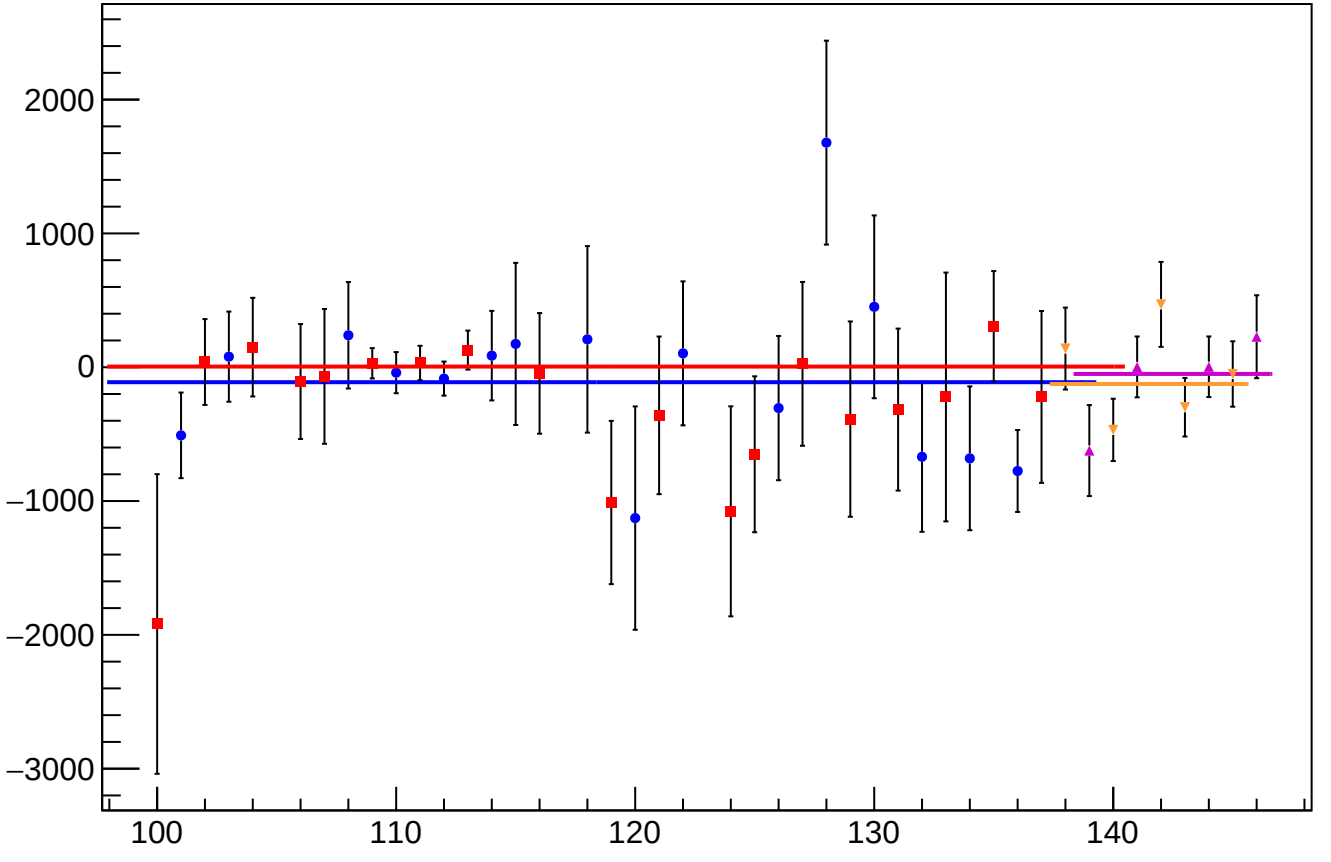
Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

\+ sign 60.003+/-0.013 χ^2/NDF: 286855.6/20

All: 60.087+/-0.009 χ^2/NDF: 622803.8/43

\- sign 60.170+/-0.013 χ^2/NDF: 335864.8/22

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -124.871+/-114.193 χ^2/NDF:7.2/4

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

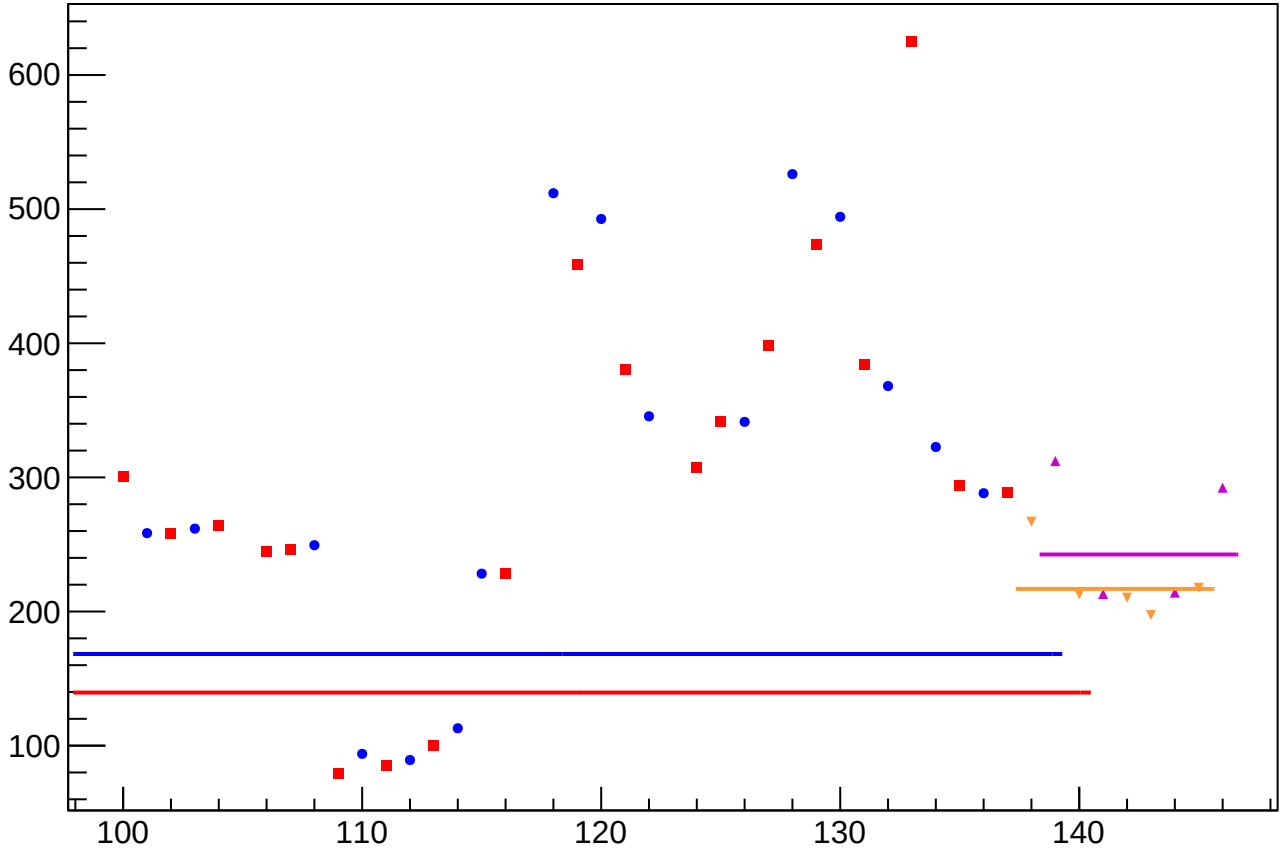
Left In: -50.088+/-131.397 χ^2/NDF:3.8/3

+ sign -115.886+/-63.391 χ^2/NDF: 25.6/20

All: -55.388+/-42.585 χ^2/NDF: 42.8/43

- sign -5.632+/-57.489 χ^2/NDF: 15.5/22

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 216.863+/-0.081 χ^2/NDF:71003.1/4

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

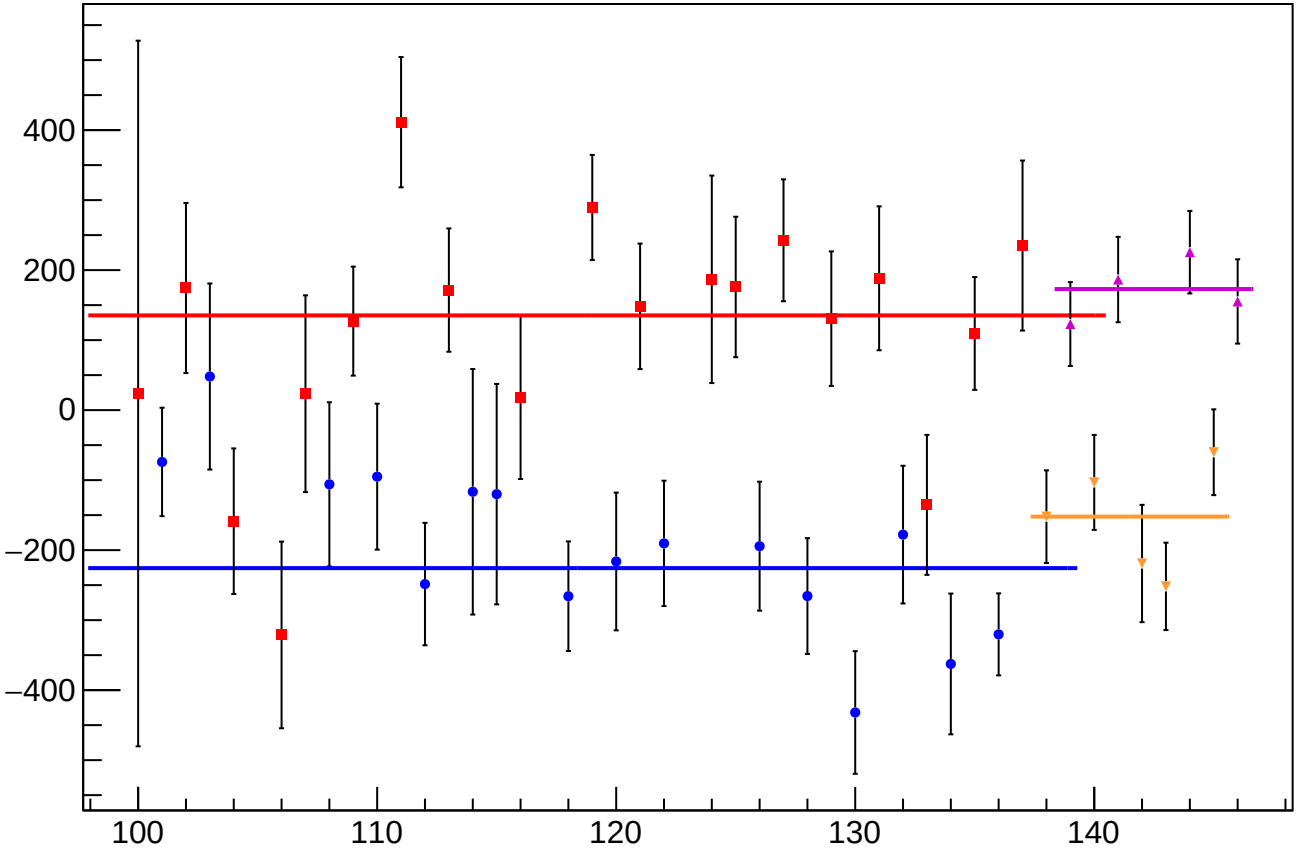
Left In: 242.512+/-0.093 χ^2/NDF:200741.0/3

+ sign 183.286+/-0.045 χ^2/NDF: 4864997.1/20

All: 170.122+/-0.030 χ^2/NDF: 11369210.3/43

- sign 159.295+/-0.041 χ^2/NDF: 6347022.8/22

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.118+/-29.995 χ^2/NDF:6.0/4

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

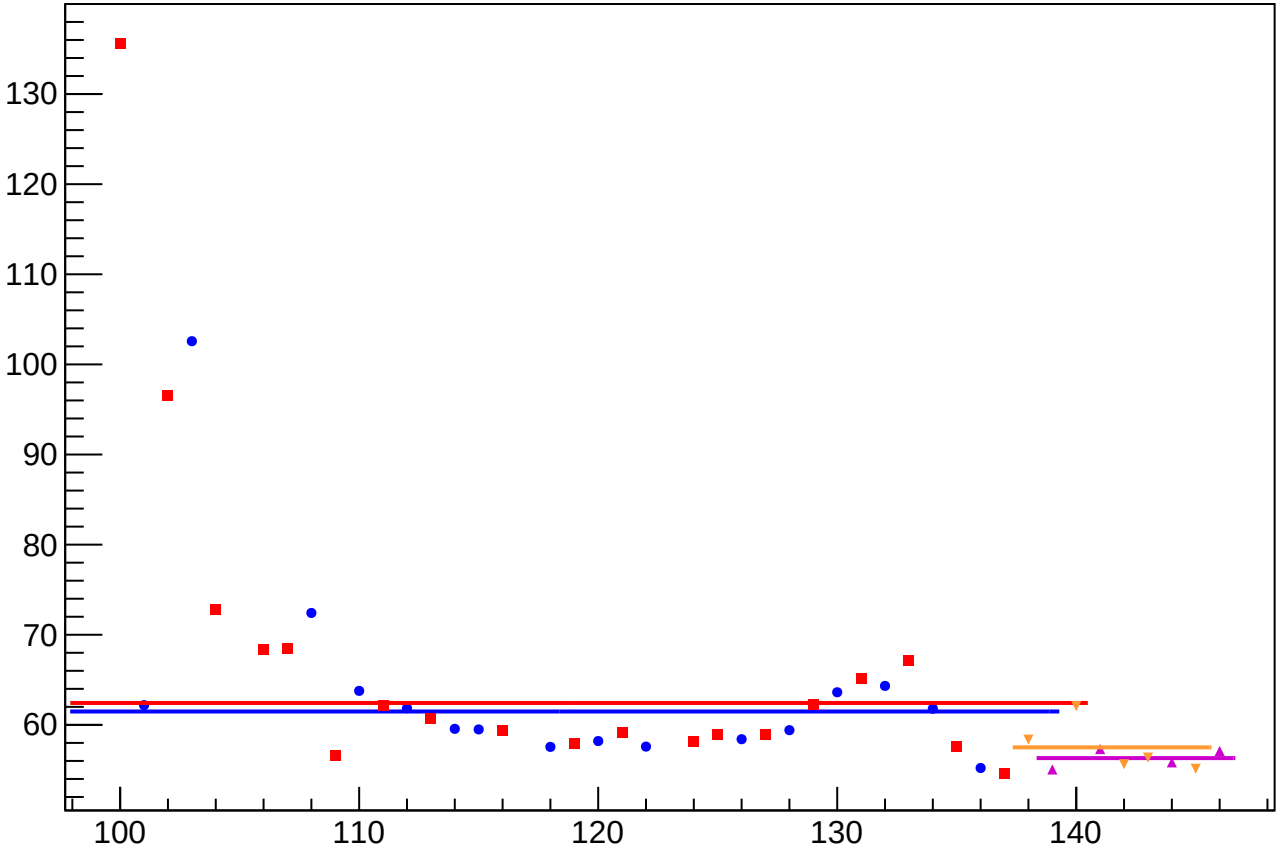
Left In: 172.967+/-29.996 χ^2/NDF:1.6/3

+ sign -198.273+/-18.311 χ^2/NDF: 32.3/20

All: -24.842+/-12.963 χ^2/NDF: 259.7/43

- sign 149.409+/-18.354 χ^2/NDF: 47.5/22

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.507+/-0.021 χ^2/NDF:14108.4/4

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

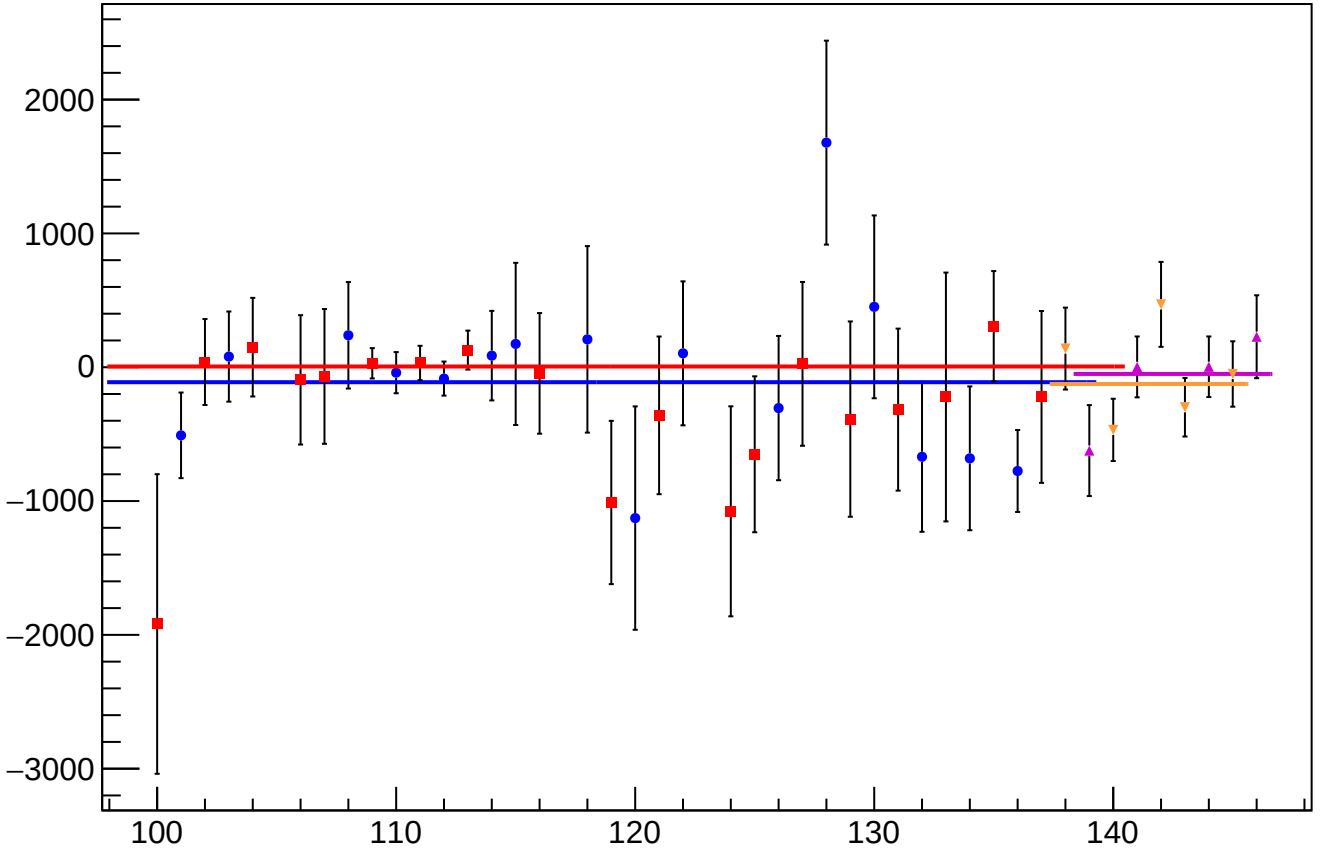
Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

+ sign 60.003+/-0.013 χ^2/NDF: 286858.2/20

All: 60.072+/-0.009 χ^2/NDF: 620282.2/43

- sign 60.142+/-0.013 χ^2/NDF: 333366.8/22

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -124.867+/-114.192 χ^2/NDF:7.2/4

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

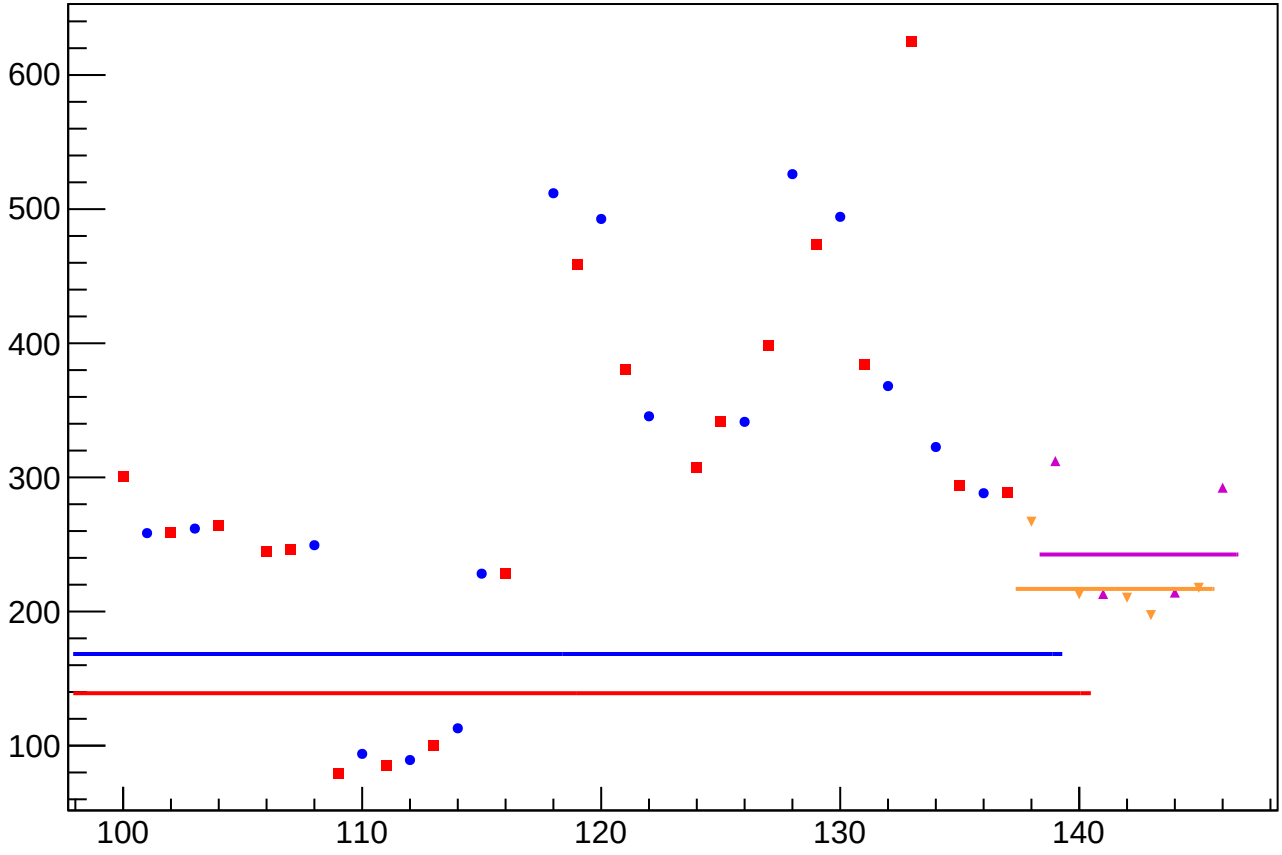
Left In: -50.083+/-131.397 χ^2/NDF:3.8/3

+ sign -115.873+/-63.391 χ^2/NDF: 25.6/20

All: -55.189+/-42.630 χ^2/NDF: 42.8/43

- sign -5.087+/-57.599 χ^2/NDF: 15.5/22

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.863+/-0.081 χ^2/NDF:71001.8/4

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

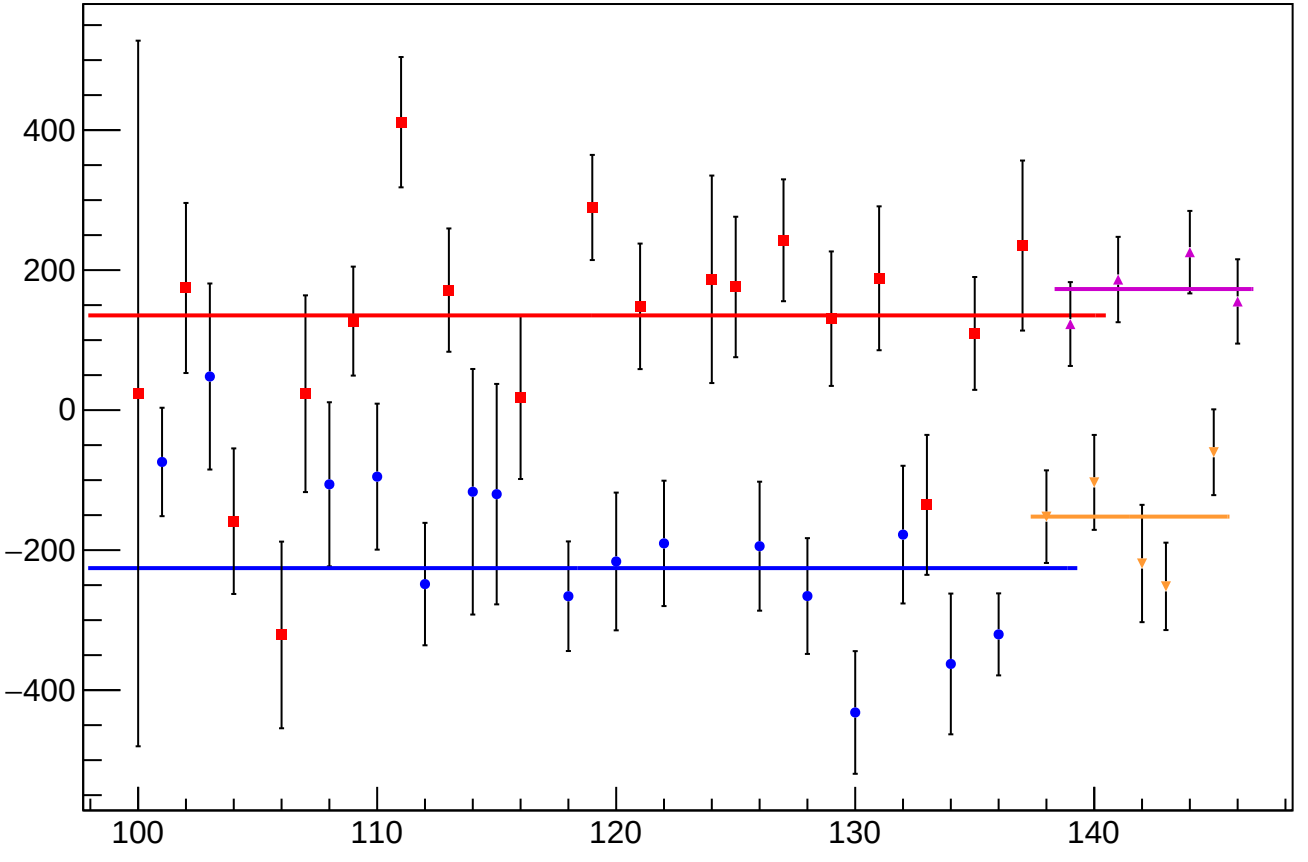
Left In: 242.512+/-0.093 χ^2/NDF:200741.9/3

+ sign 183.286+/-0.045 χ^2/NDF: 4865044.0/20

All: 169.970+/-0.030 χ^2/NDF: 11357582.6/43

- sign 158.976+/-0.041 χ^2/NDF: 6331417.2/22

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.118+/-29.995 χ^2/NDF:6.0/4

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

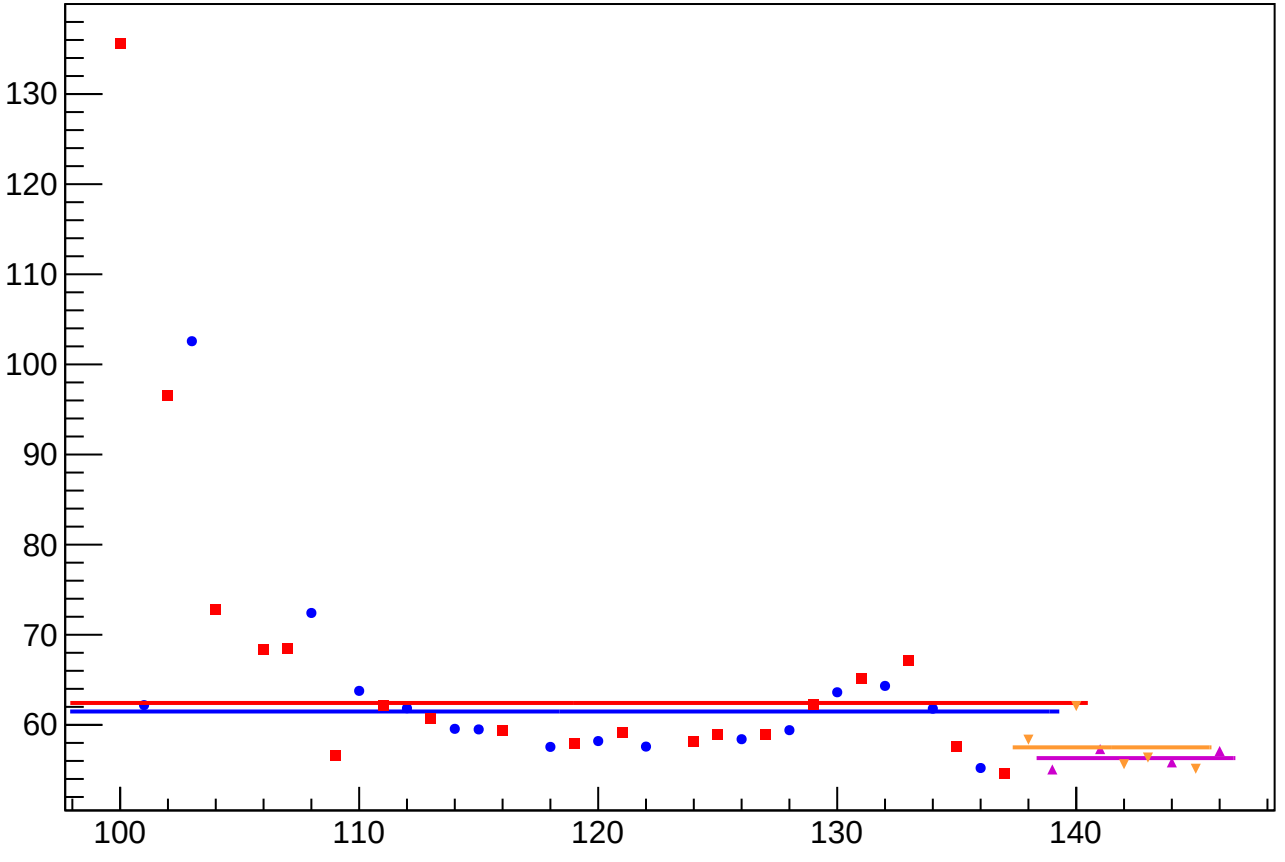
Left In: 172.967+/-29.996 χ^2/NDF:1.6/3

+ sign -198.273+/-18.311 χ^2/NDF: 32.3/20

All: -24.842+/-12.963 χ^2/NDF: 259.7/43

- sign 149.409+/-18.354 χ^2/NDF: 47.5/22

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.507+/-0.021 χ^2/NDF:14108.4/4

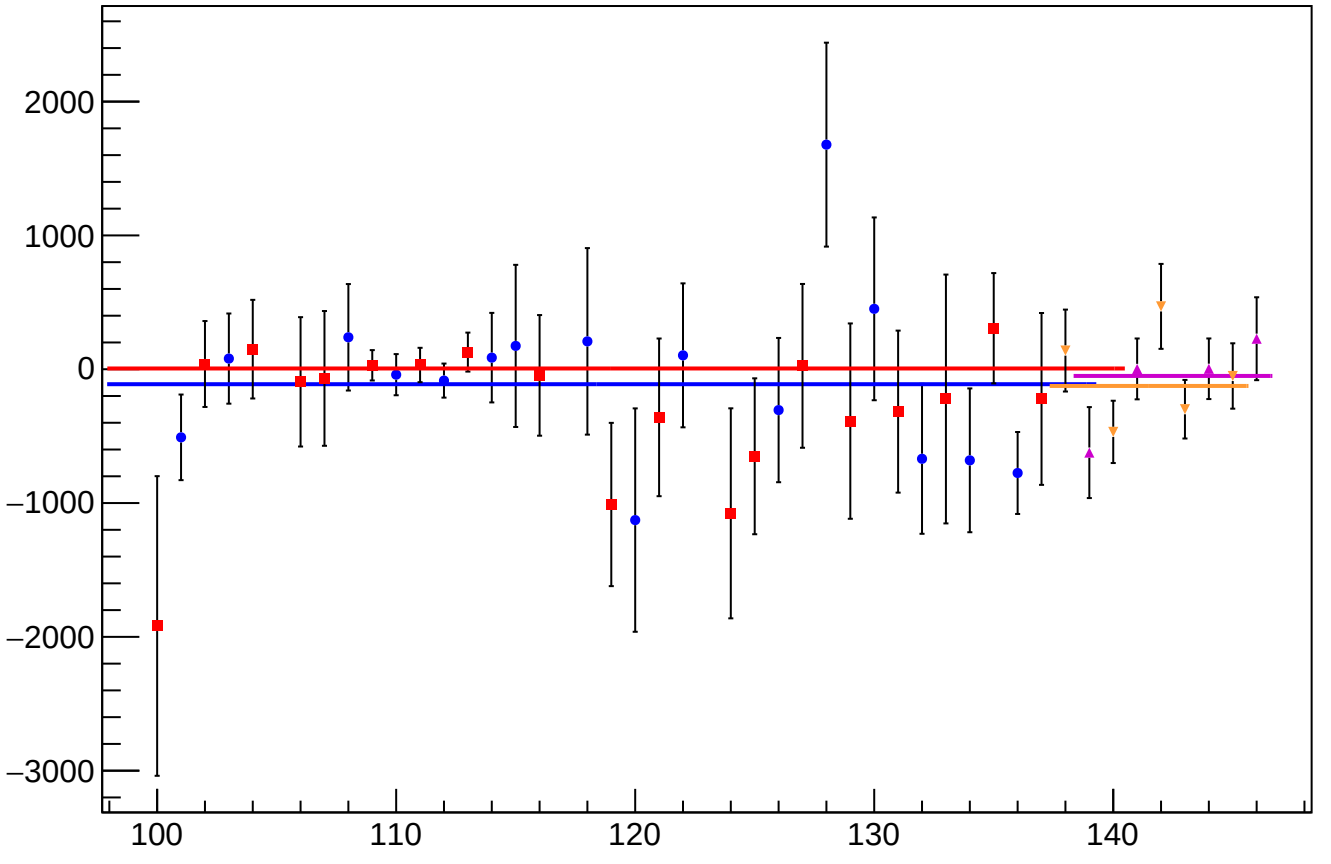
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

+ sign 60.003+/-0.013 χ^2/NDF: 286858.2/20

All: 60.072+/-0.009 χ^2/NDF: 620282.2/43

- sign 60.142+/-0.013 χ^2/NDF: 333366.8/22



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -124.867+/-114.192 χ^2/NDF:7.2/4

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

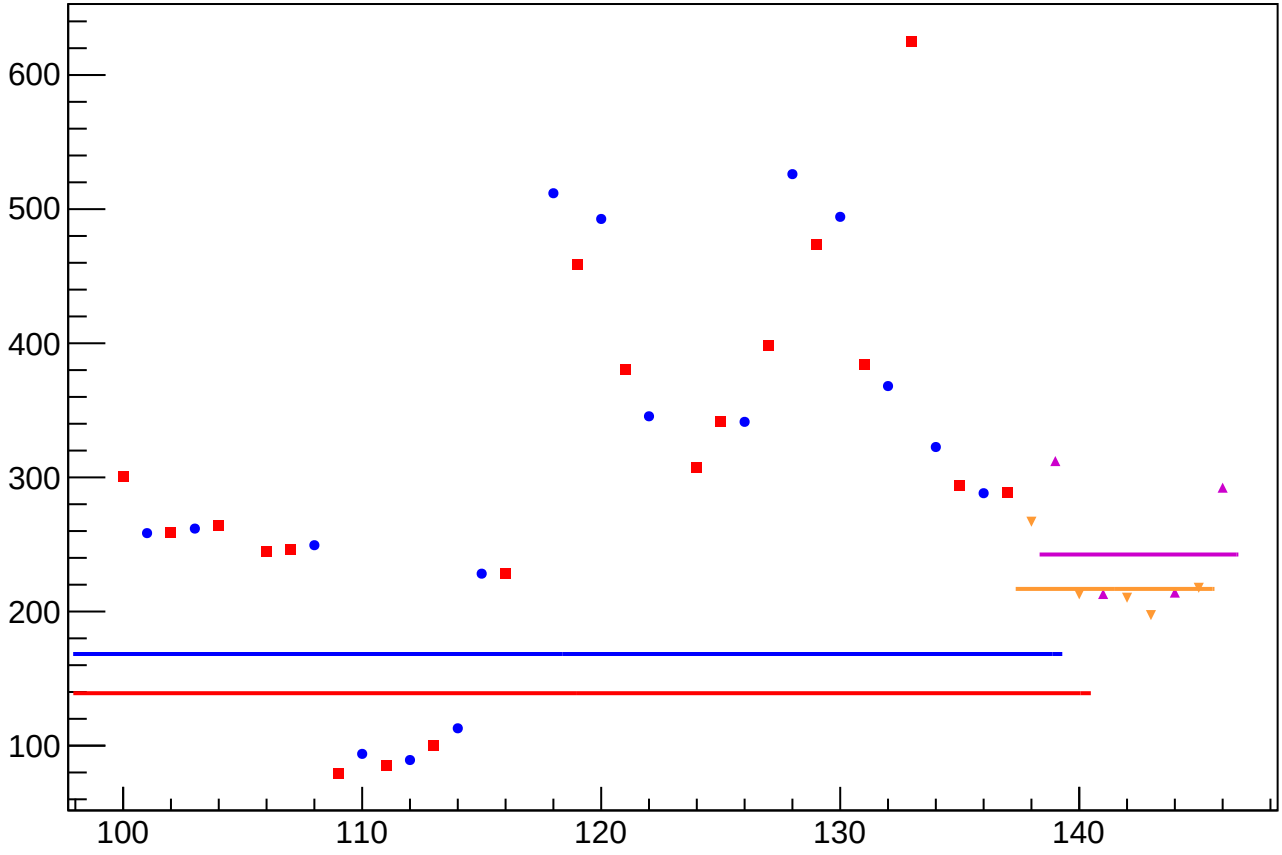
Left In: -50.083+/-131.397 χ^2/NDF:3.8/3

+ sign -115.873+/-63.391 χ^2/NDF: 25.6/20

All: -55.189+/-42.630 χ^2/NDF: 42.8/43

- sign -5.087+/-57.599 χ^2/NDF: 15.5/22

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.863+/-0.081 χ^2/NDF:71001.8/4

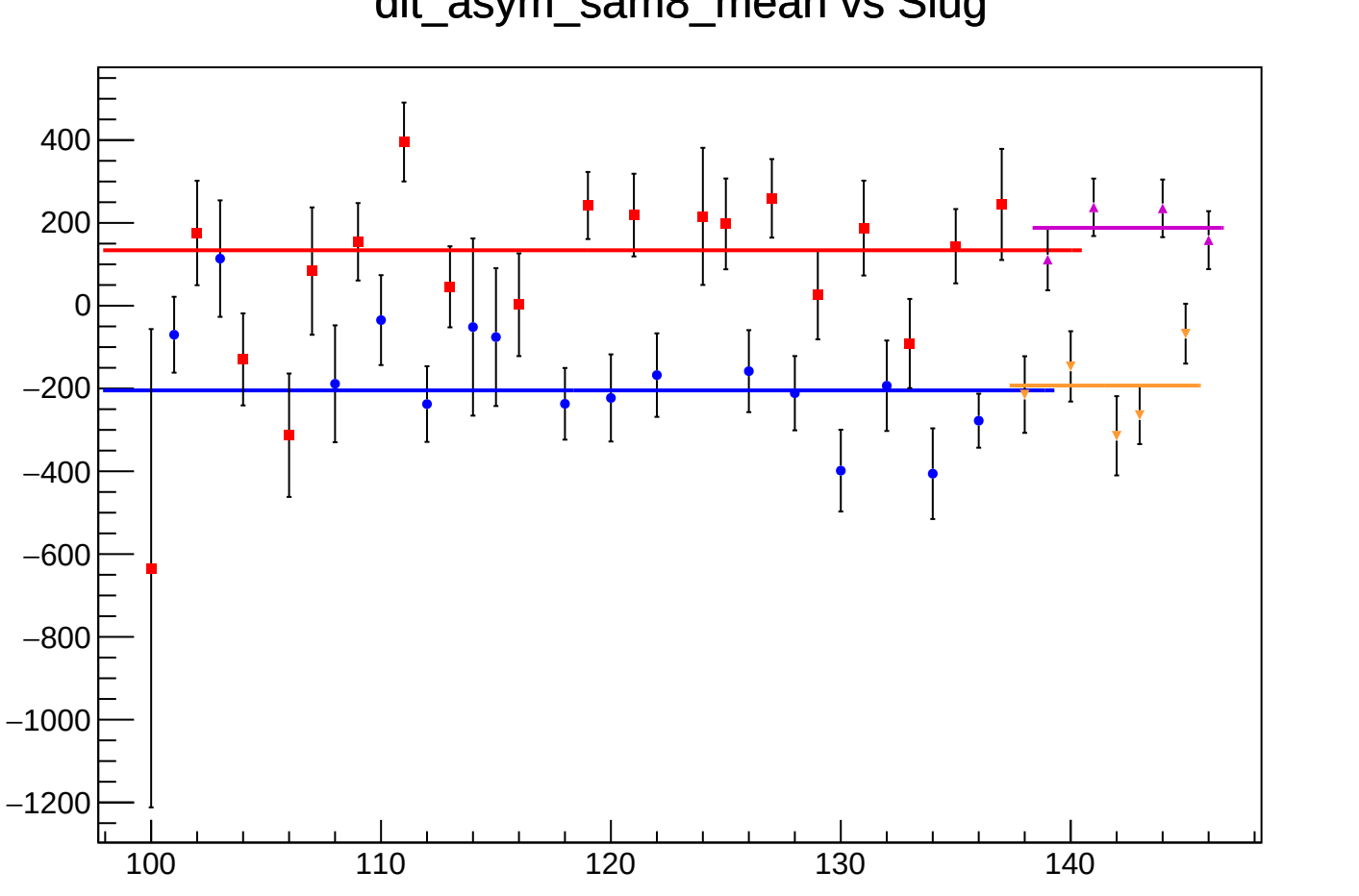
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 242.512+/-0.093 χ^2/NDF:200741.9/3

+ sign 183.286+/-0.045 χ^2/NDF: 4865044.0/20

All: 169.970+/-0.030 χ^2/NDF: 11357582.6/43

- sign 158.976+/-0.041 χ^2/NDF: 6331417.2/22



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -192.822+/-36.282 χ^2/NDF:6.0/4

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

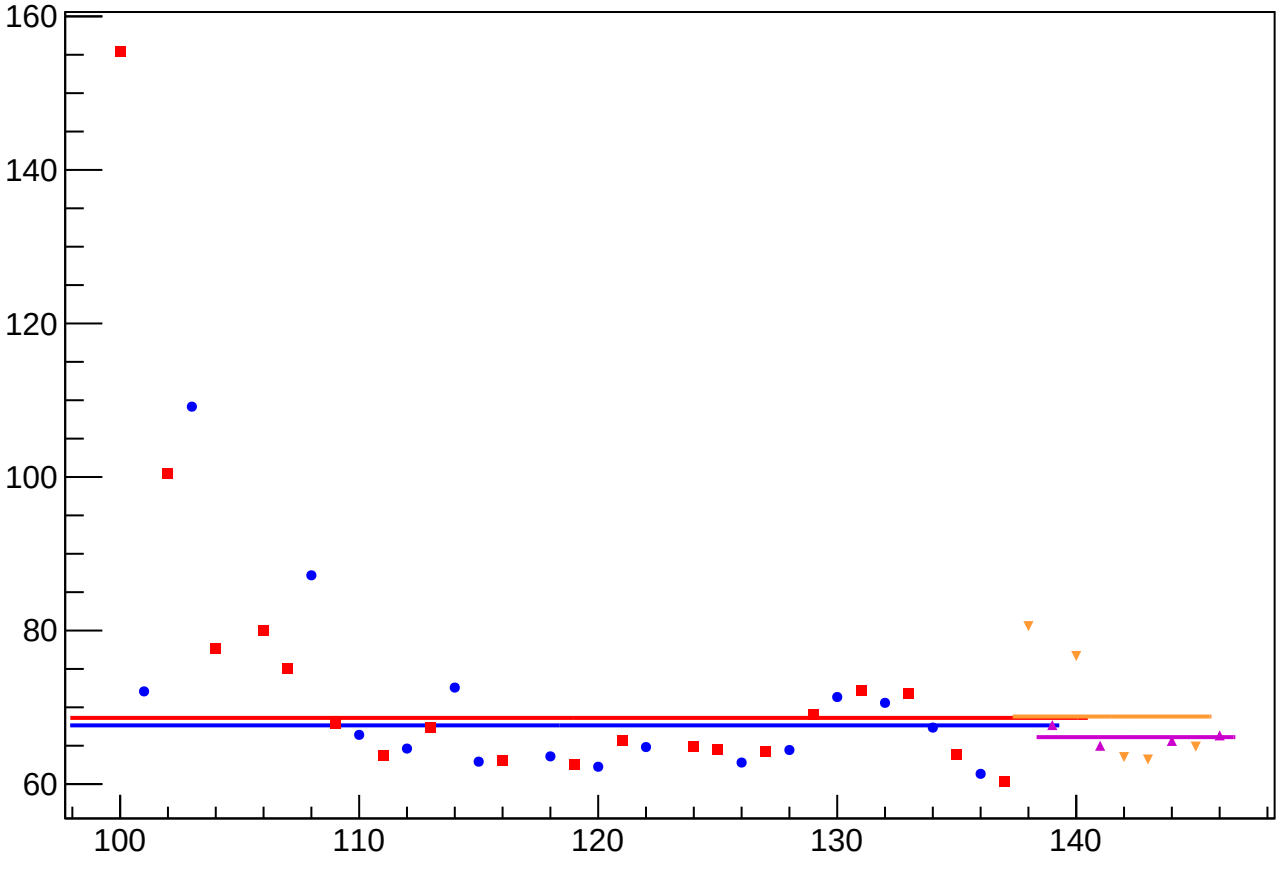
Left In: 188.130+/-35.360 χ^2/NDF:2.2/3

+ sign -200.686+/-20.875 χ^2/NDF: 26.1/20

All: -22.404+/-14.689 χ^2/NDF: 211.5/43

- sign 152.454+/-20.674 χ^2/NDF: 41.0/22

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 68.801+/-0.026 χ^2/NDF:74364.9/4

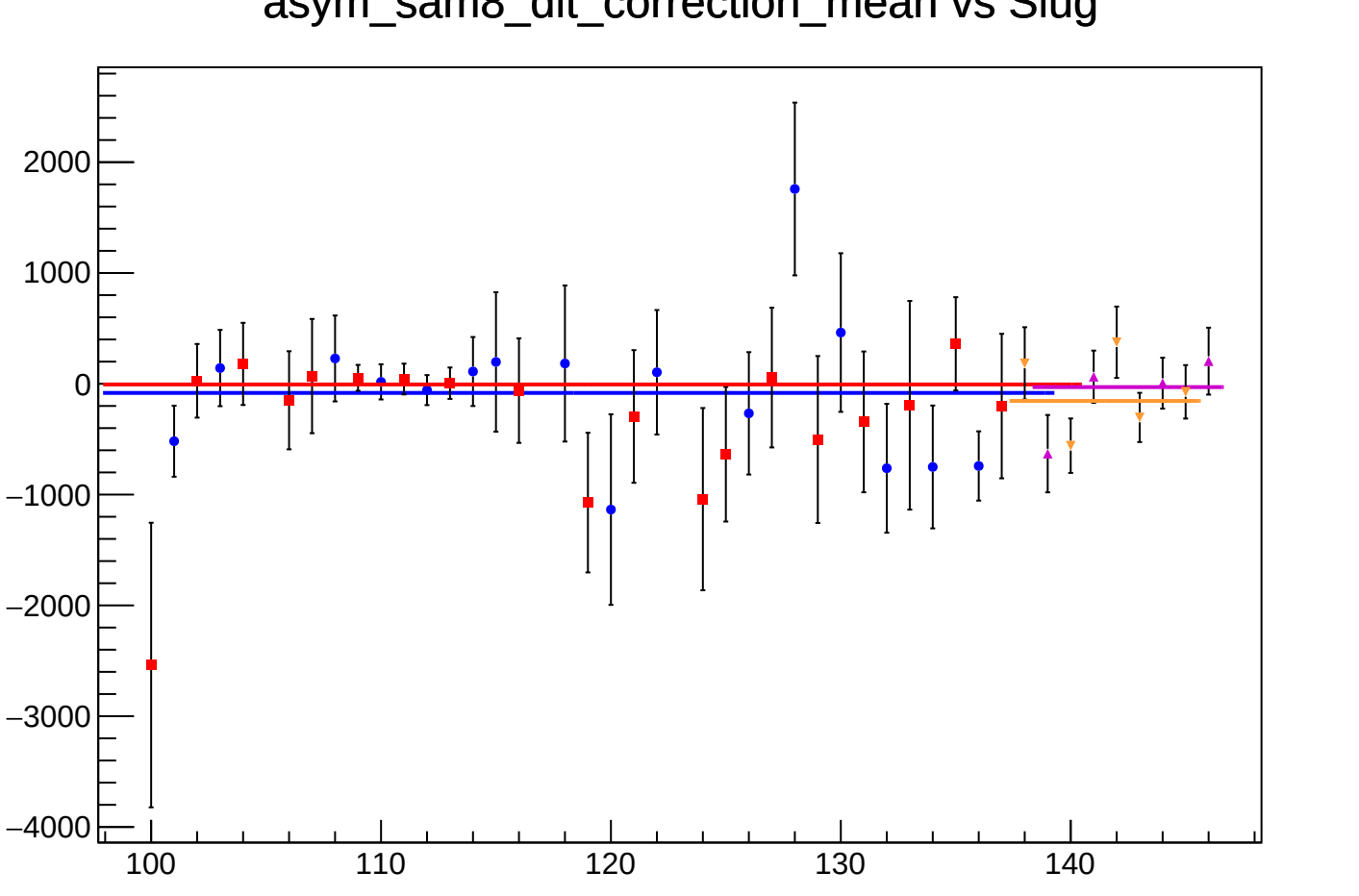
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 66.118+/-0.025 χ^2/NDF:1544.0/3

+ sign 68.029+/-0.015 χ^2/NDF: 339386.6/20

All: 67.897+/-0.010 χ^2/NDF: 595866.8/43

- sign 67.767+/-0.015 χ^2/NDF: 256321.1/22



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -154.732+/-116.992 χ^2/NDF:7.1/4

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

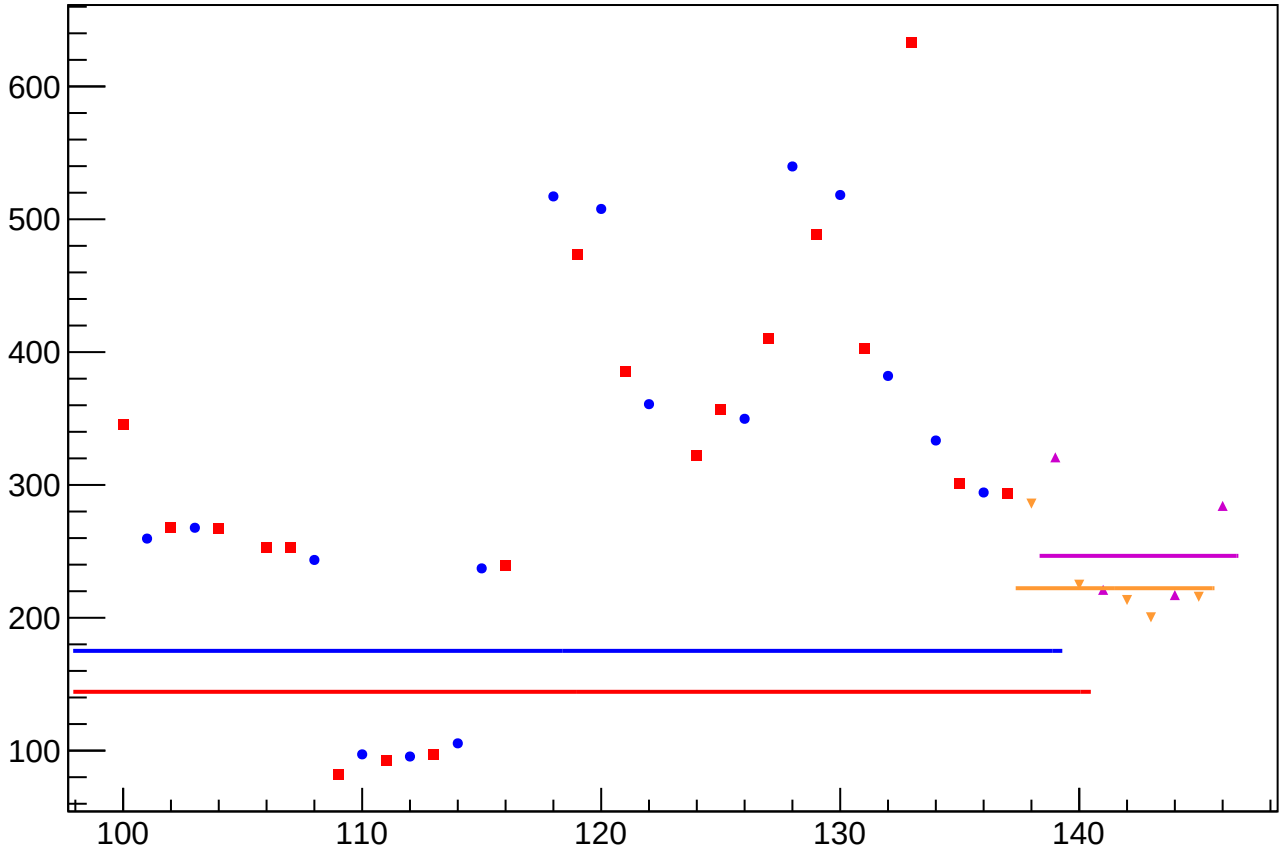
Left In: -29.755+/-133.433 χ^2/NDF:3.7/3

+ sign -104.806+/-65.286 χ^2/NDF: 26.5/20

All: -53.085+/-43.812 χ^2/NDF: 43.5/43

- sign -10.710+/-59.094 χ^2/NDF: 15.8/22

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 222.258+/-0.083 χ^2/NDF:98760.8/4

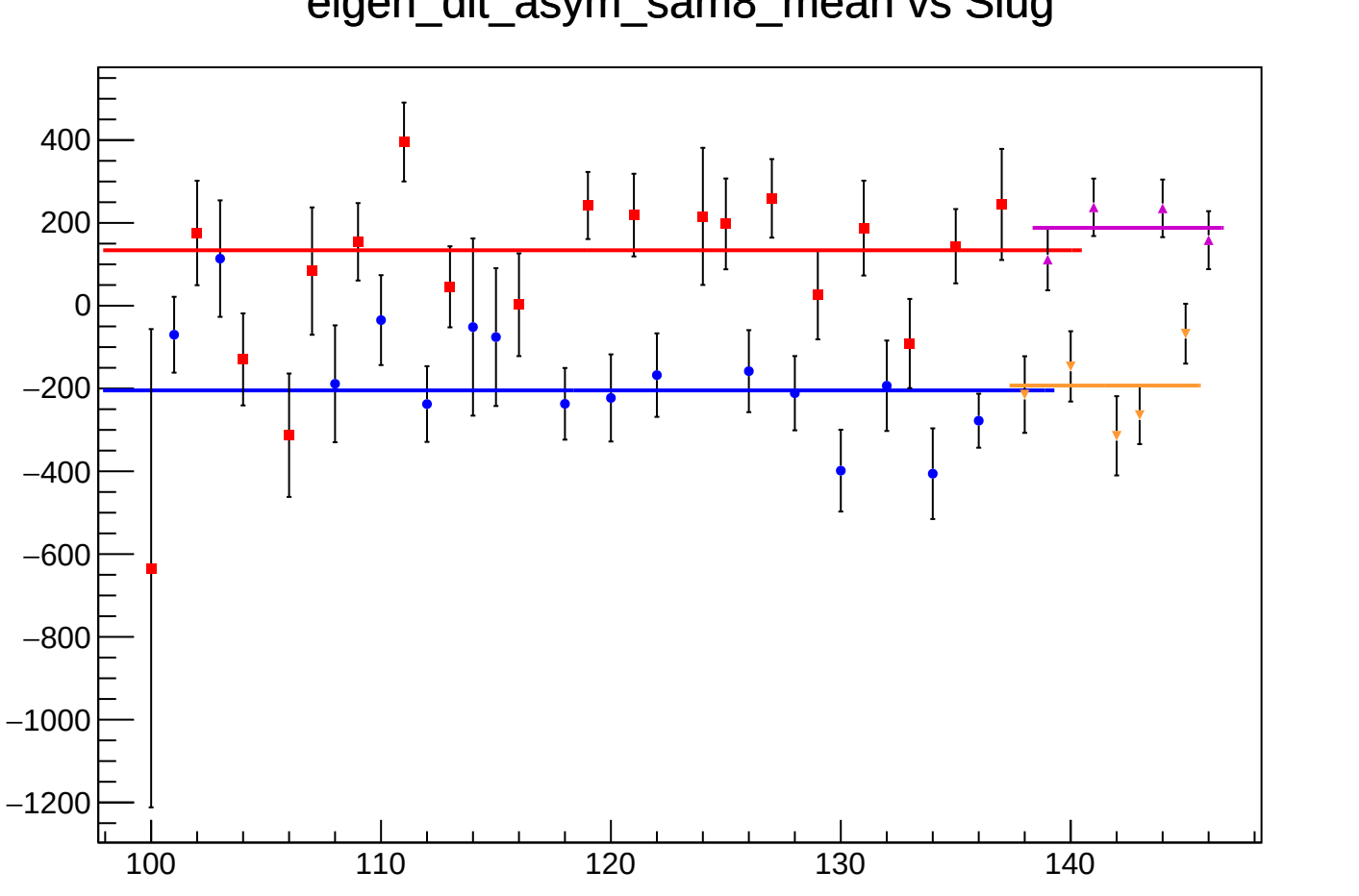
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 246.623+/-0.094 χ^2/NDF:177978.8/3

+ sign 189.785+/-0.046 χ^2/NDF: 4751606.6/20

All: 175.804+/-0.031 χ^2/NDF: 11174740.2/43

- sign 164.350+/-0.042 χ^2/NDF: 6256277.5/22



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -192.824+/-36.282 χ^2/NDF:6.0/4

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

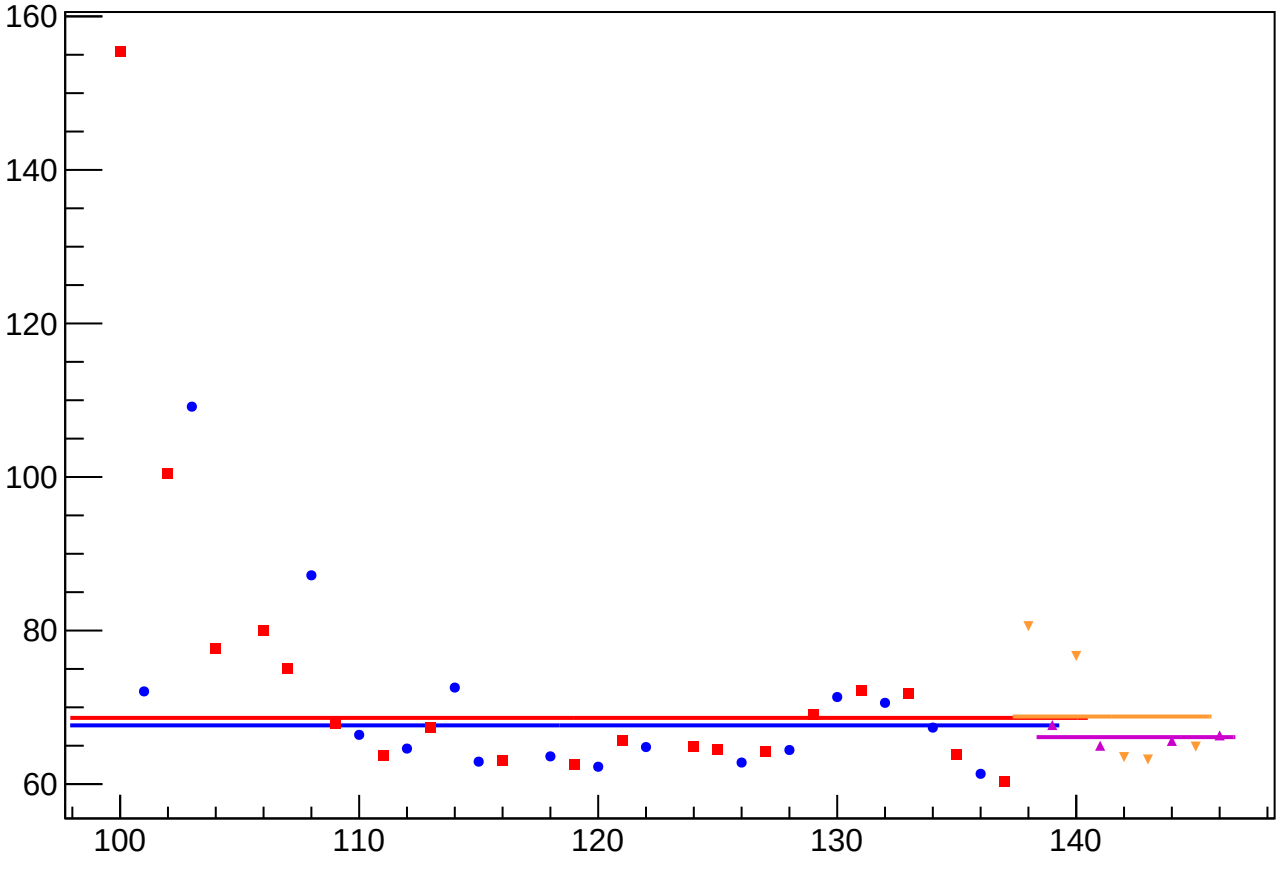
Left In: 188.130+/-35.361 χ^2/NDF:2.2/3

+ sign -200.686+/-20.875 χ^2/NDF: 26.1/20

All: -22.404+/-14.689 χ^2/NDF: 211.5/43

- sign 152.454+/-20.674 χ^2/NDF: 41.0/22

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 68.801+/-0.026 χ^2/NDF:74362.3/4

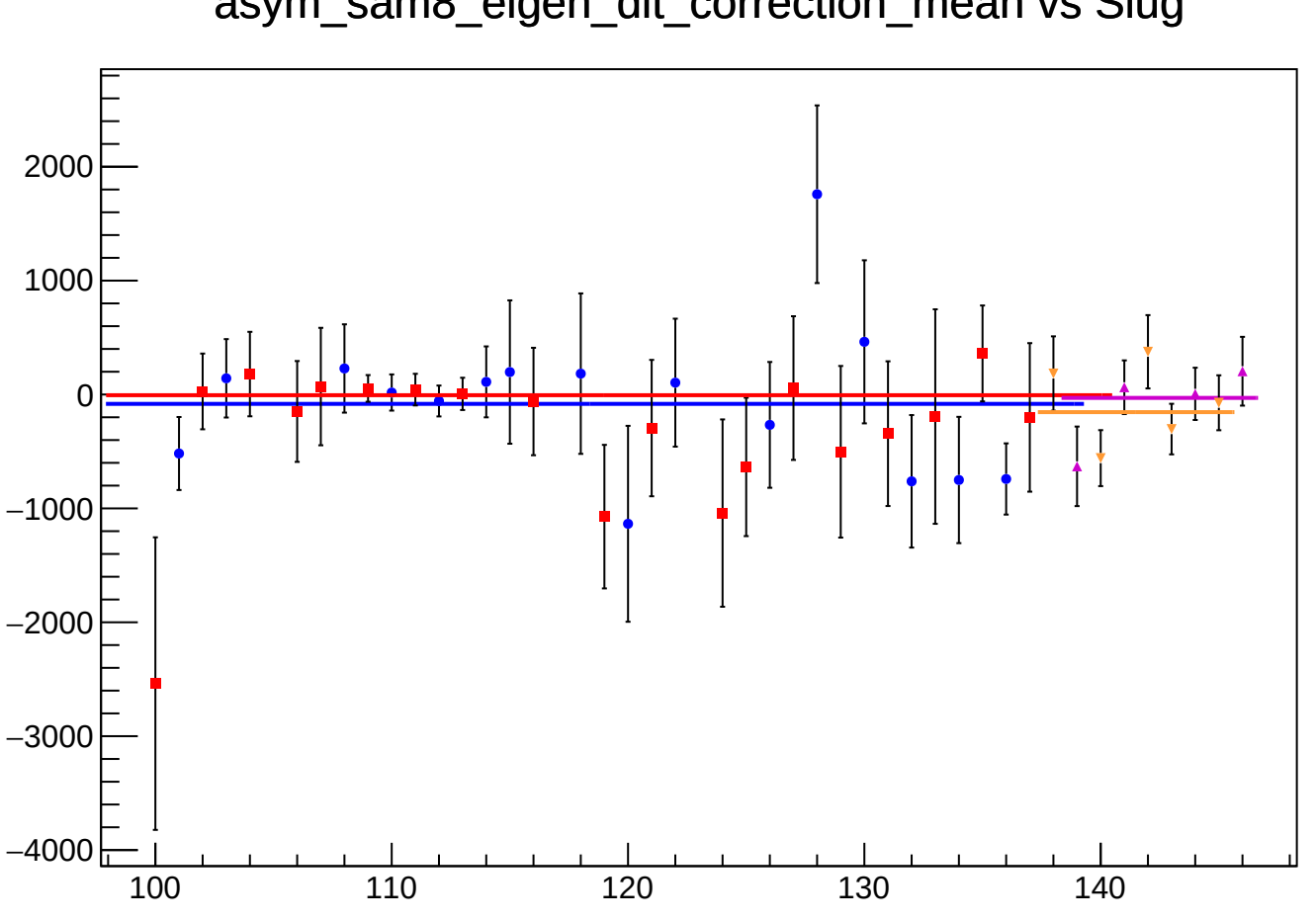
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.118+/-0.025 χ^2/NDF:1543.8/3

+ sign 68.029+/-0.015 χ^2/NDF: 339383.9/20

All: 67.897+/-0.010 χ^2/NDF: 595863.6/43

- sign 67.767+/-0.015 χ^2/NDF: 256320.7/22



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -154.733+/-116.992 χ^2/NDF:7.1/4

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

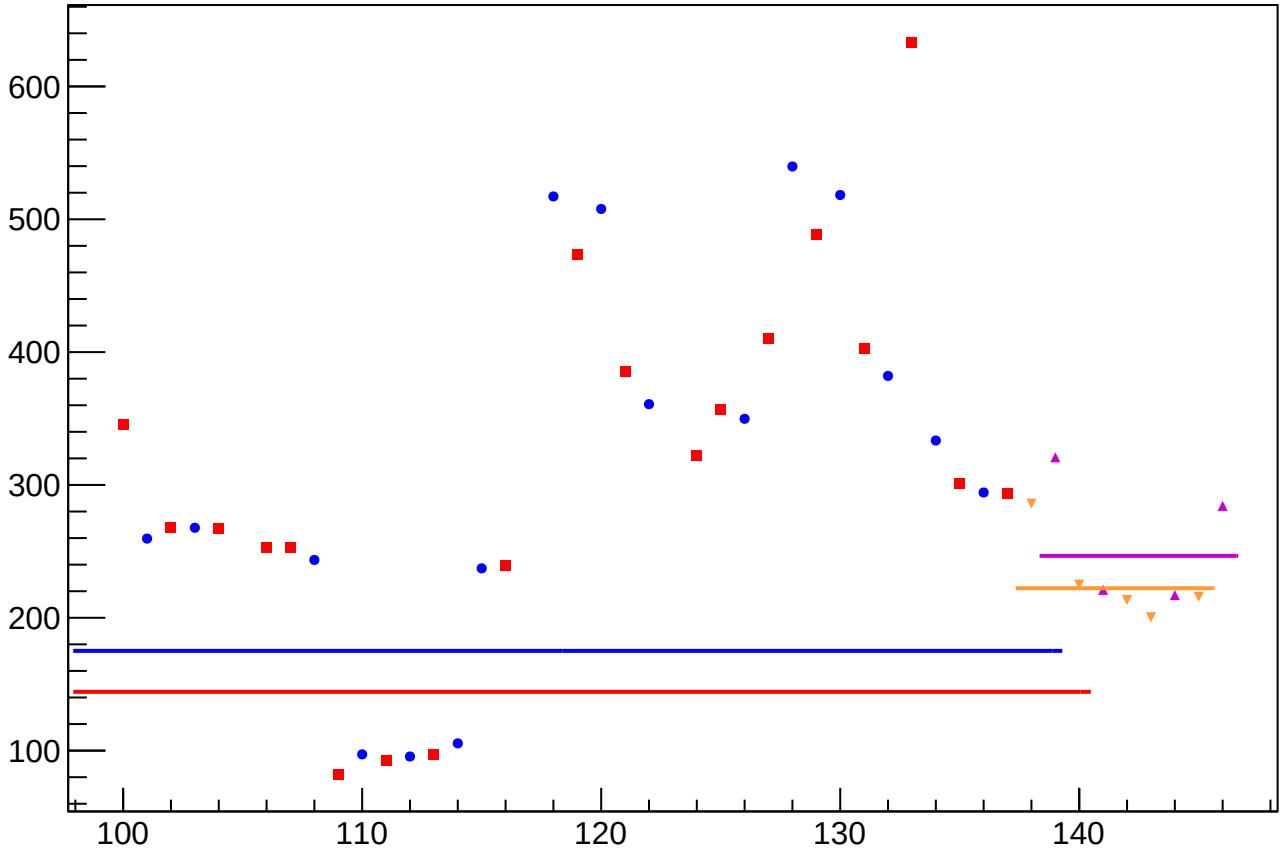
Left In: -29.755+/-133.433 χ^2/NDF:3.7/3

+ sign -104.805+/-65.286 χ^2/NDF: 26.5/20

All: -53.084+/-43.812 χ^2/NDF: 43.5/43

- sign -10.709+/-59.094 χ^2/NDF: 15.8/22

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 222.257+/-0.083 χ^2/NDF:98760.8/4

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

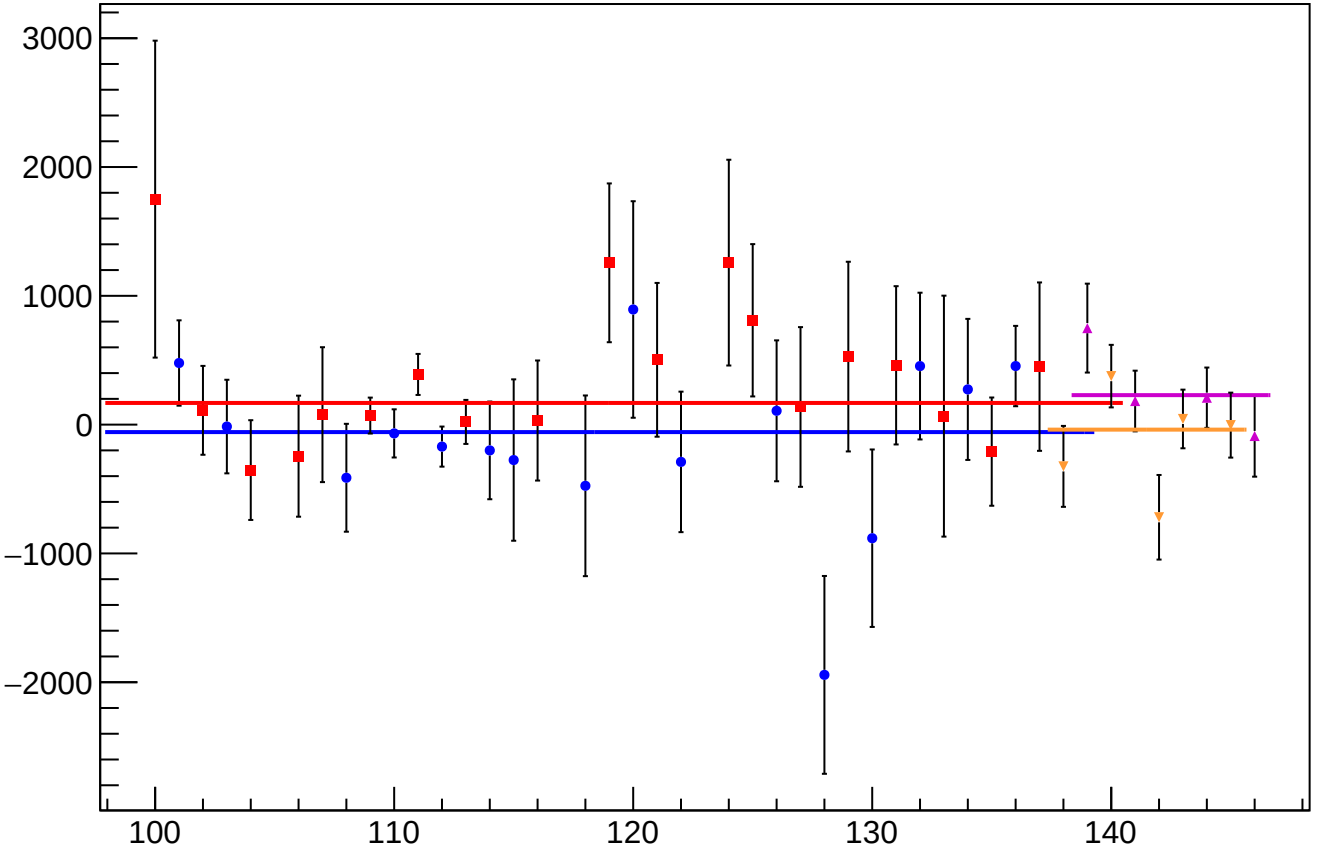
Left In: 246.622+/-0.094 χ^2/NDF:177976.7/3

+ sign 189.784+/-0.046 χ^2/NDF: 4751633.5/20

All: 175.804+/-0.031 χ^2/NDF: 11174729.2/43

- sign 164.350+/-0.042 χ^2/NDF: 6256250.3/22

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: -38.894+/-118.358 χ^2/NDF:8.2/4

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

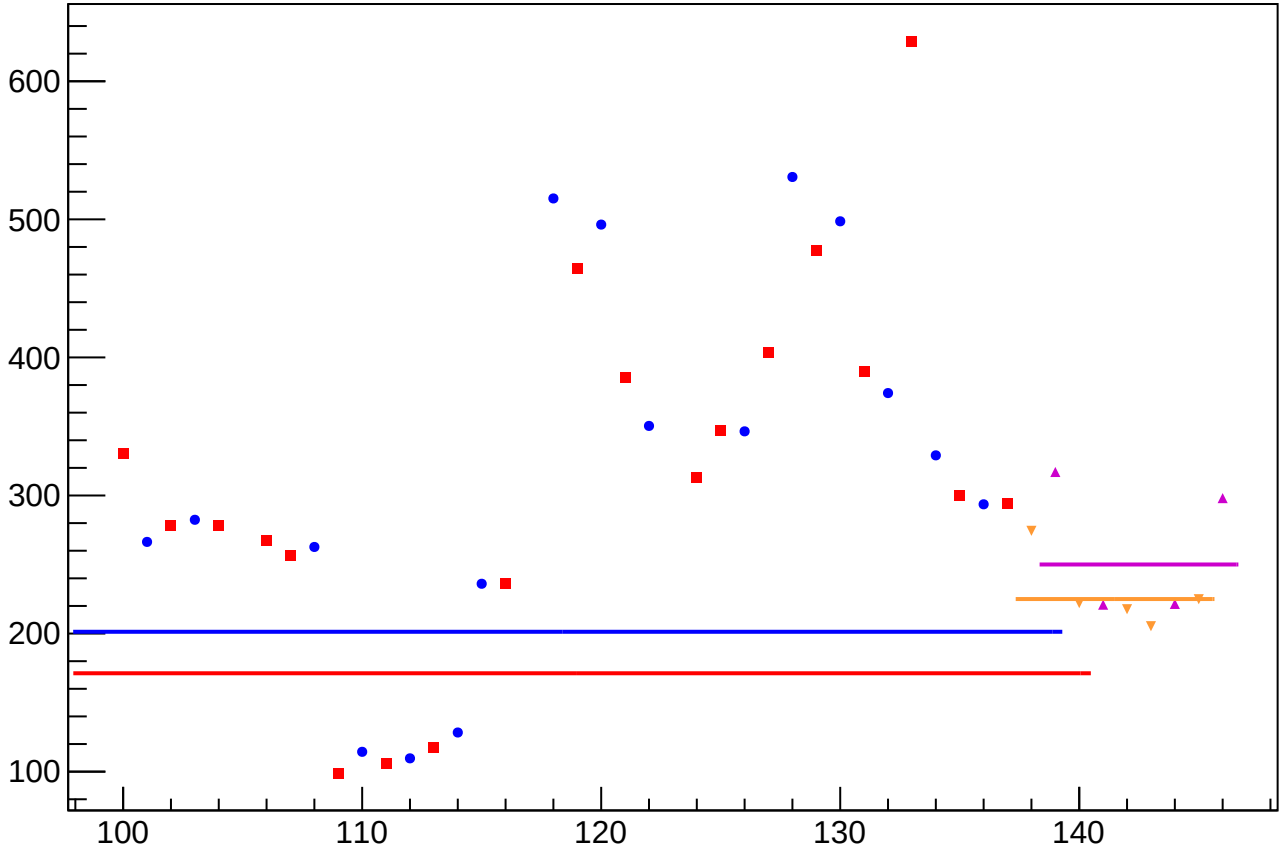
Left In: 228.930+/-135.248 χ^2/NDF:3.3/3

\+ sign -51.290+/-70.042 χ^2/NDF: 25.6/20

All: 73.728+/-47.771 χ^2/NDF: 50.5/43

\- sign 182.459+/-65.321 χ^2/NDF: 19.0/22

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 225.007+/-0.084 χ^2/NDF:65702.2/4

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

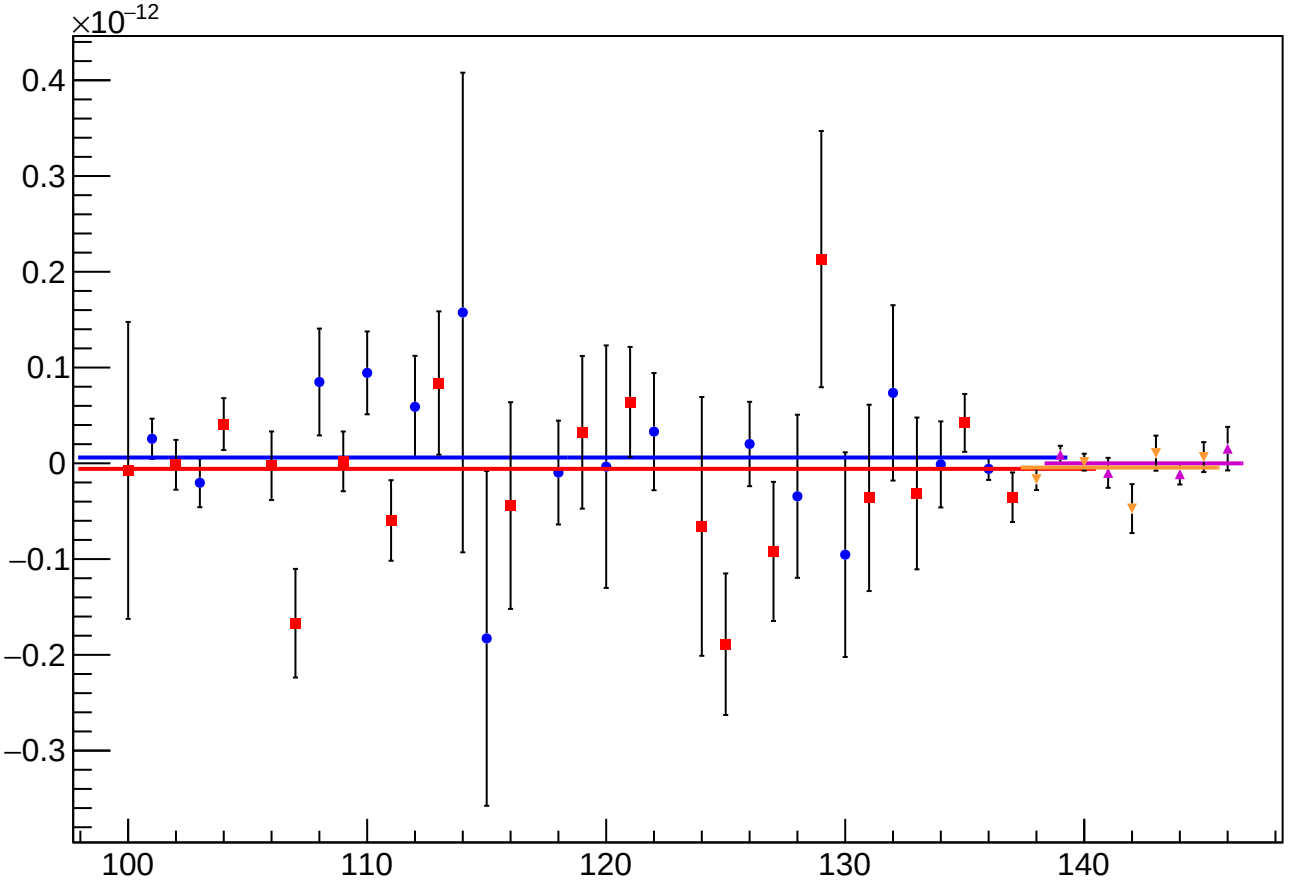
Left In: 250.033+/-0.096 χ^2/NDF:181965.3/3

+ sign 209.603+/-0.050 χ^2/NDF: 3690032.9/20

All: 198.920+/-0.034 χ^2/NDF: 8671866.3/43

- sign 189.628+/-0.046 χ^2/NDF: 4894837.0/22

asym_sam8_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/4

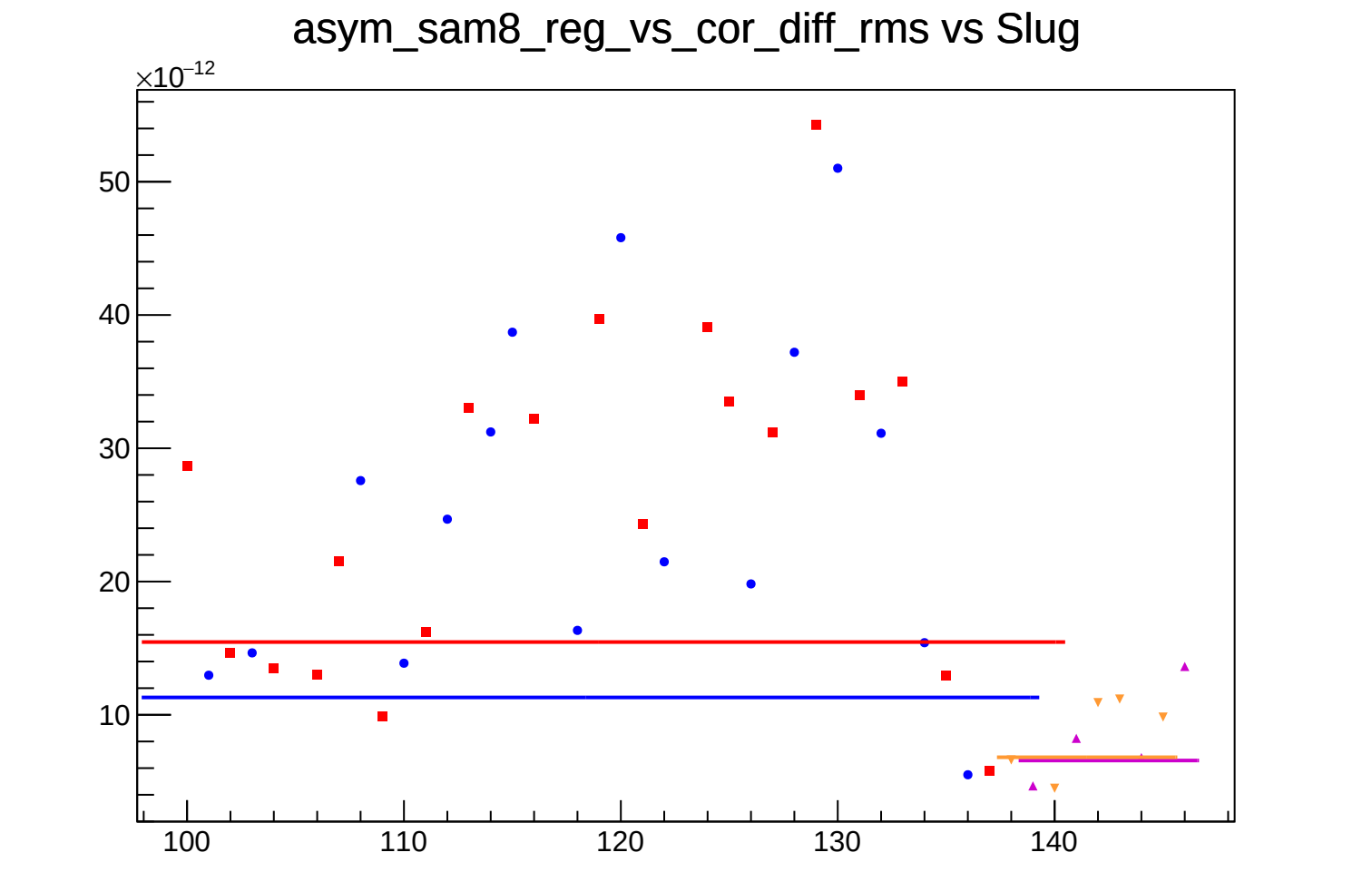
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/20

All: -0.000+/-0.000 χ^2/NDF: 54.1/43

- sign -0.000+/-0.000 χ^2/NDF: 33.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:380035.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

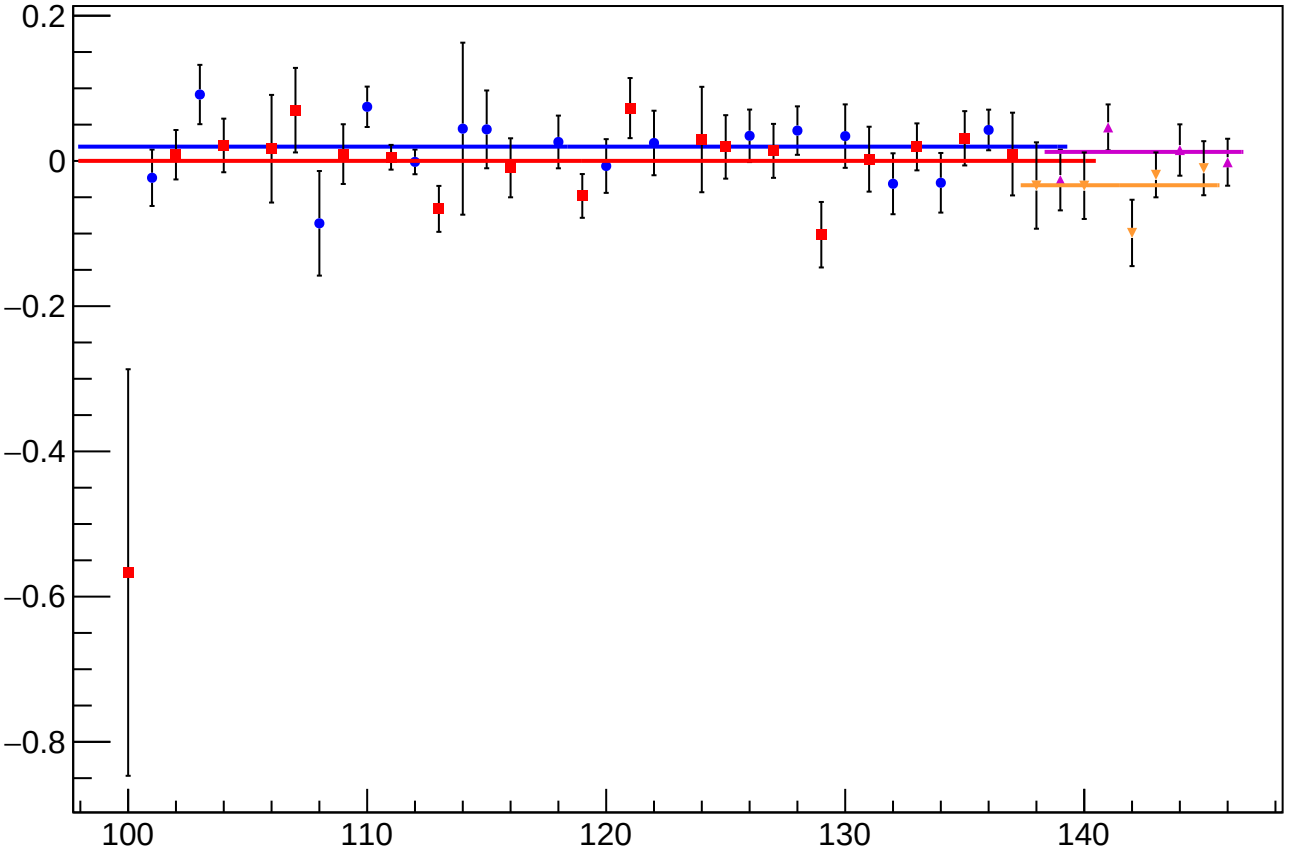
Left In: 0.000+/-0.000 χ^2/NDF:301365.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2562750.7/20

All: 0.000+/-0.000 χ^2/NDF: 5436145.3/43

- sign 0.000+/-0.000 χ^2/NDF: 2856961.7/22

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.033+/-0.018 χ^2/NDF:2.7/4

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

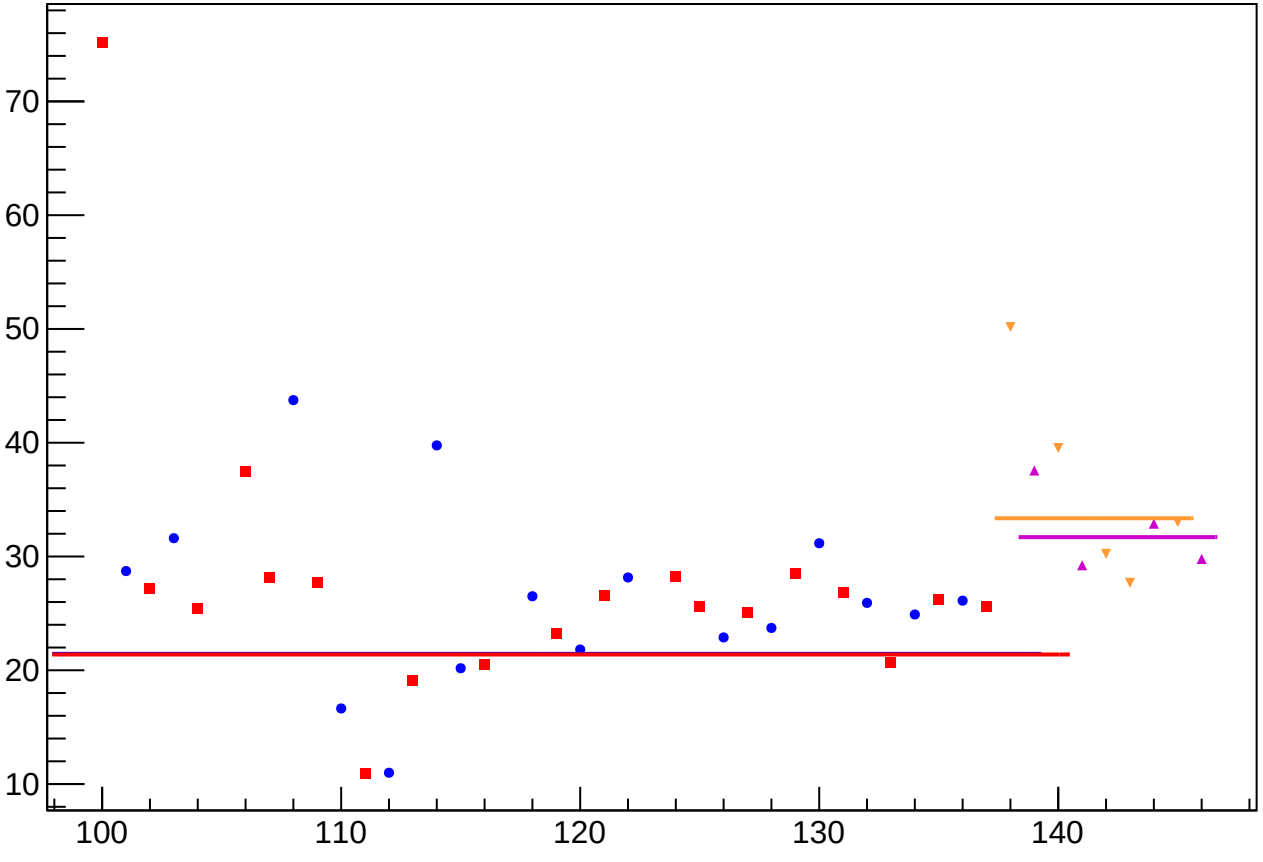
Left In: 0.012+/-0.017 χ^2/NDF:2.2/3

+ sign 0.010+/-0.008 χ^2/NDF: 26.6/20

All: 0.006+/-0.005 χ^2/NDF: 52.5/43

- sign 0.002+/-0.008 χ^2/NDF: 25.5/22

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272848.5/4

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

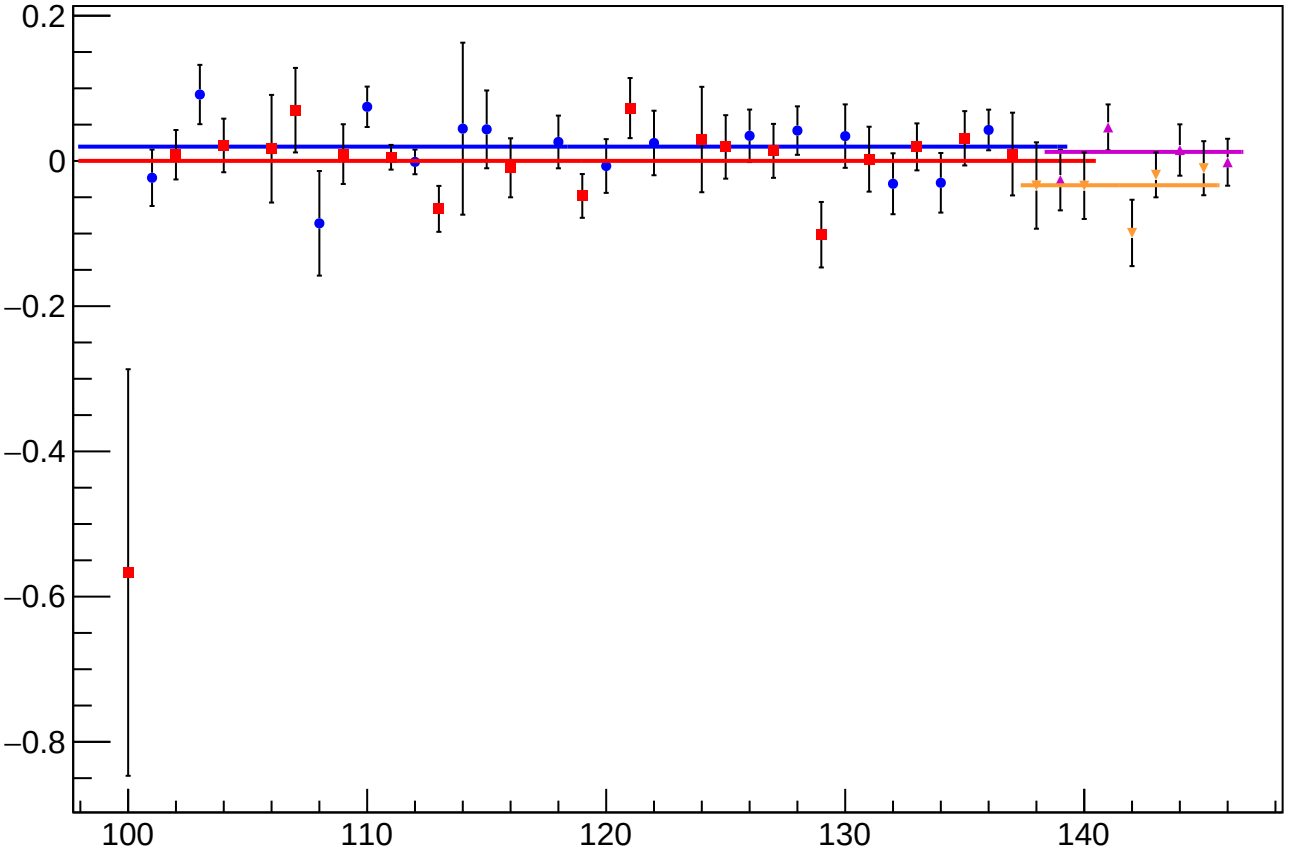
Left In: 31.703+/-0.012 χ^2/NDF:60785.9/3

+ sign 23.647+/-0.006 χ^2/NDF: 2509695.9/20

All: 23.516+/-0.004 χ^2/NDF: 4454290.2/43

- sign 23.392+/-0.005 χ^2/NDF: 1943511.9/22

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.033+/-0.018 χ^2/NDF:2.7/4

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

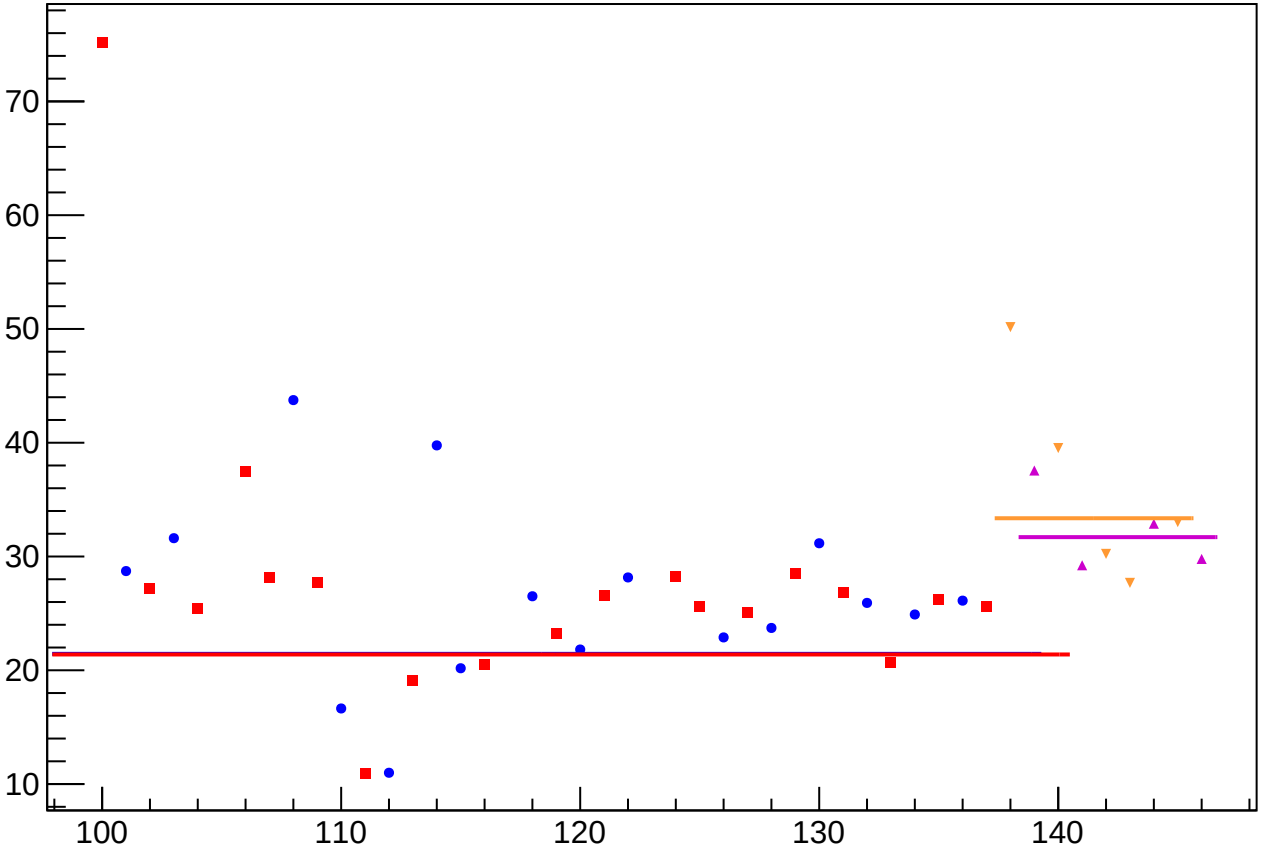
Left In: 0.012+/-0.017 χ^2/NDF:2.2/3

+ sign 0.010+/-0.008 χ^2/NDF: 26.6/20

All: 0.006+/-0.005 χ^2/NDF: 52.5/43

- sign 0.002+/-0.008 χ^2/NDF: 25.5/22

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272848.5/4

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

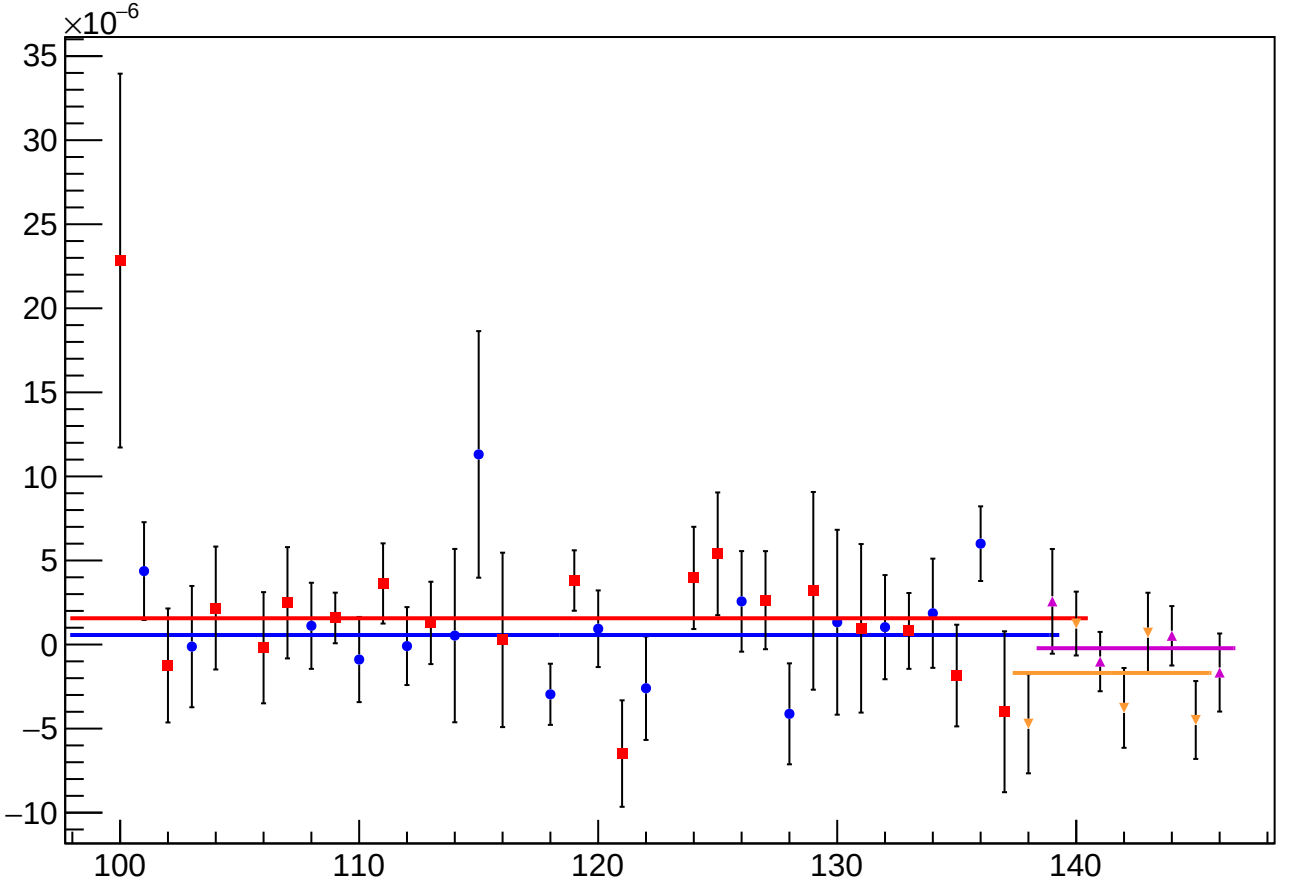
Left In: 31.703+/-0.012 χ^2/NDF:60785.9/3

+ sign 23.647+/-0.006 χ^2/NDF: 2509695.9/20

All: 23.516+/-0.004 χ^2/NDF: 4454290.2/43

- sign 23.392+/-0.005 χ^2/NDF: 1943511.9/22

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:6.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

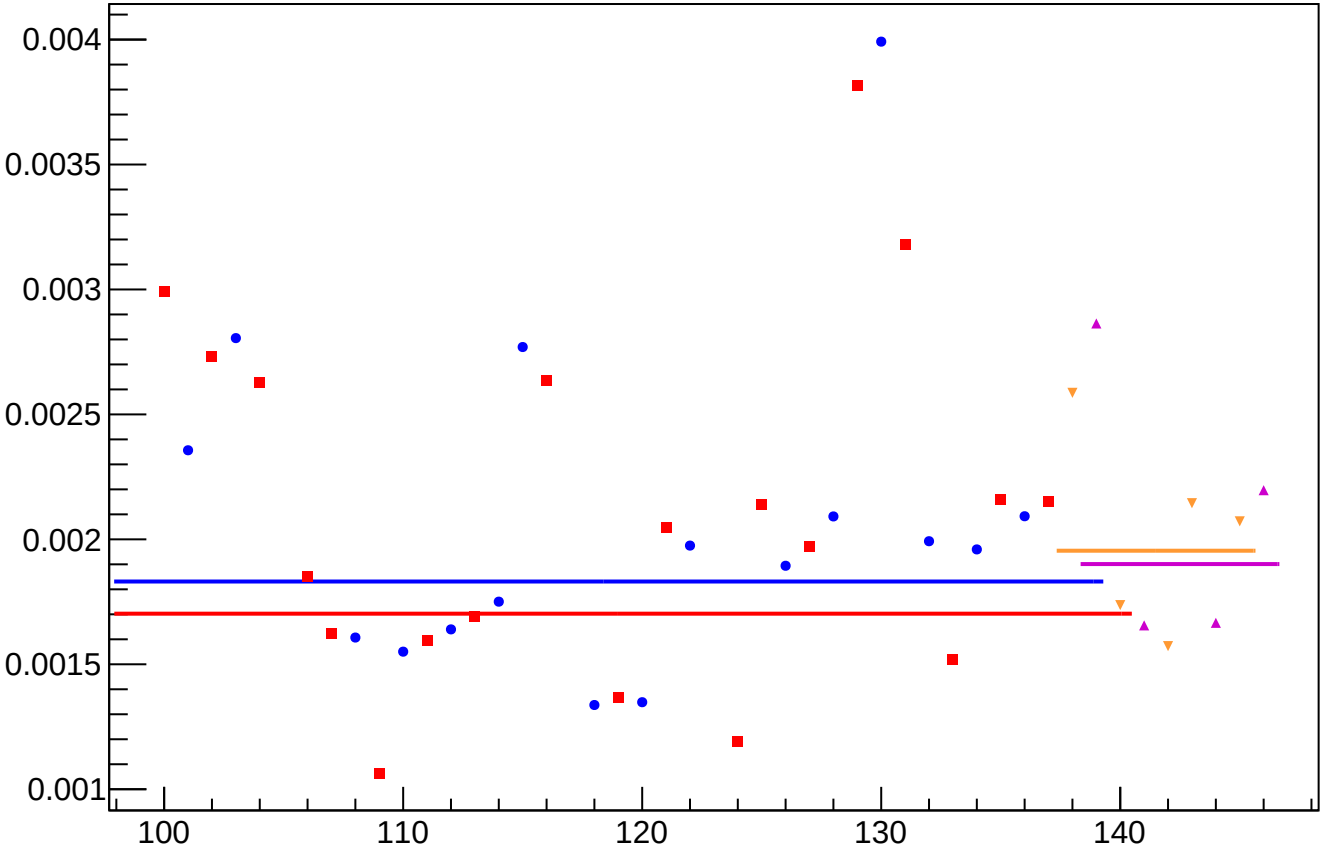
Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/20

All: 0.000+/-0.000 χ^2/NDF: 52.3/43

- sign 0.000+/-0.000 χ^2/NDF: 21.9/22

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:187744.0/4

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

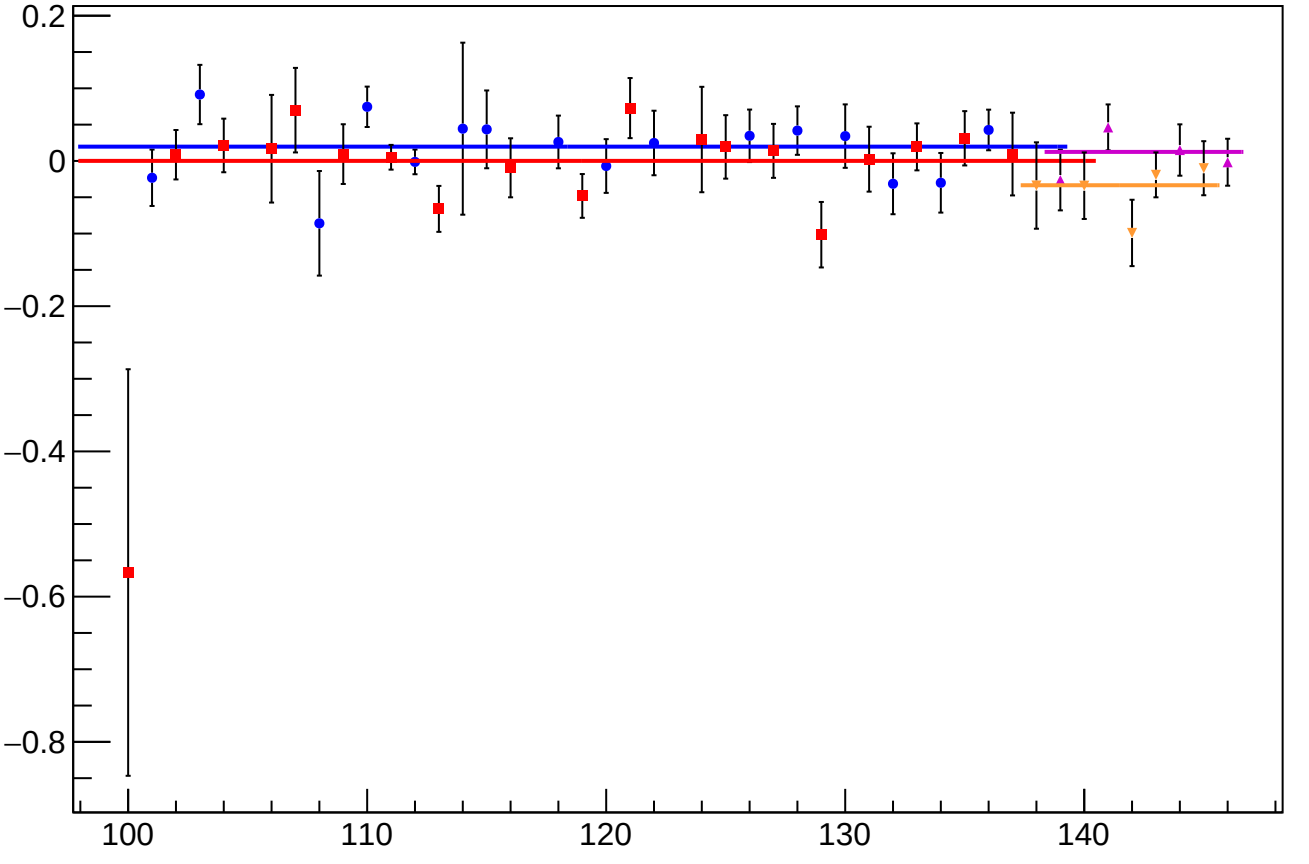
Left In: 0.002+/-0.000 χ^2/NDF:297645.3/3

+ sign 0.002+/-0.000 χ^2/NDF: 1107486.1/20

All: 0.002+/-0.000 χ^2/NDF: 2973164.0/43

- sign 0.002+/-0.000 χ^2/NDF: 1827925.7/22

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.033+/-0.018 χ^2/NDF:2.7/4

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

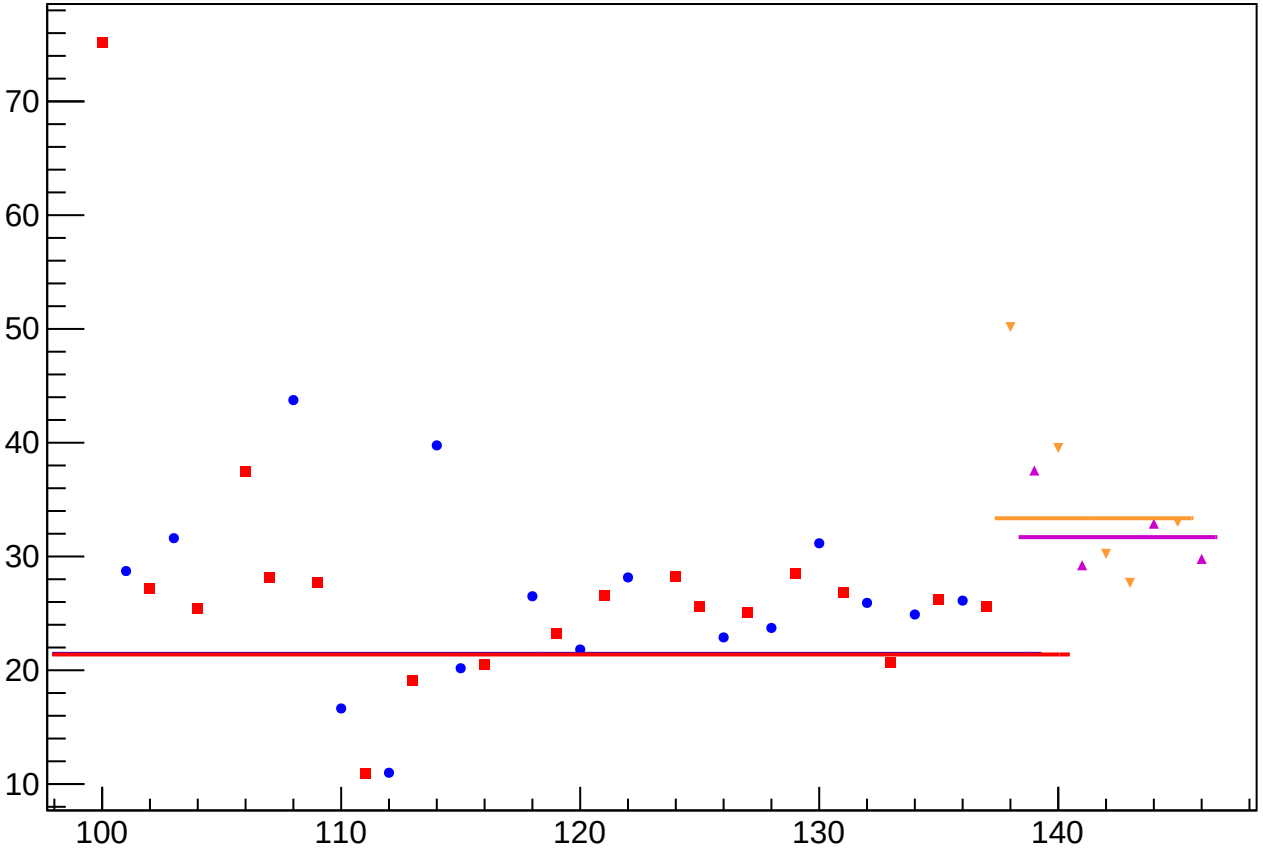
Left In: 0.012+/-0.017 χ^2/NDF:2.2/3

+ sign 0.010+/-0.008 χ^2/NDF: 26.6/20

All: 0.006+/-0.005 χ^2/NDF: 52.5/43

- sign 0.002+/-0.008 χ^2/NDF: 25.5/22

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272832.9/4

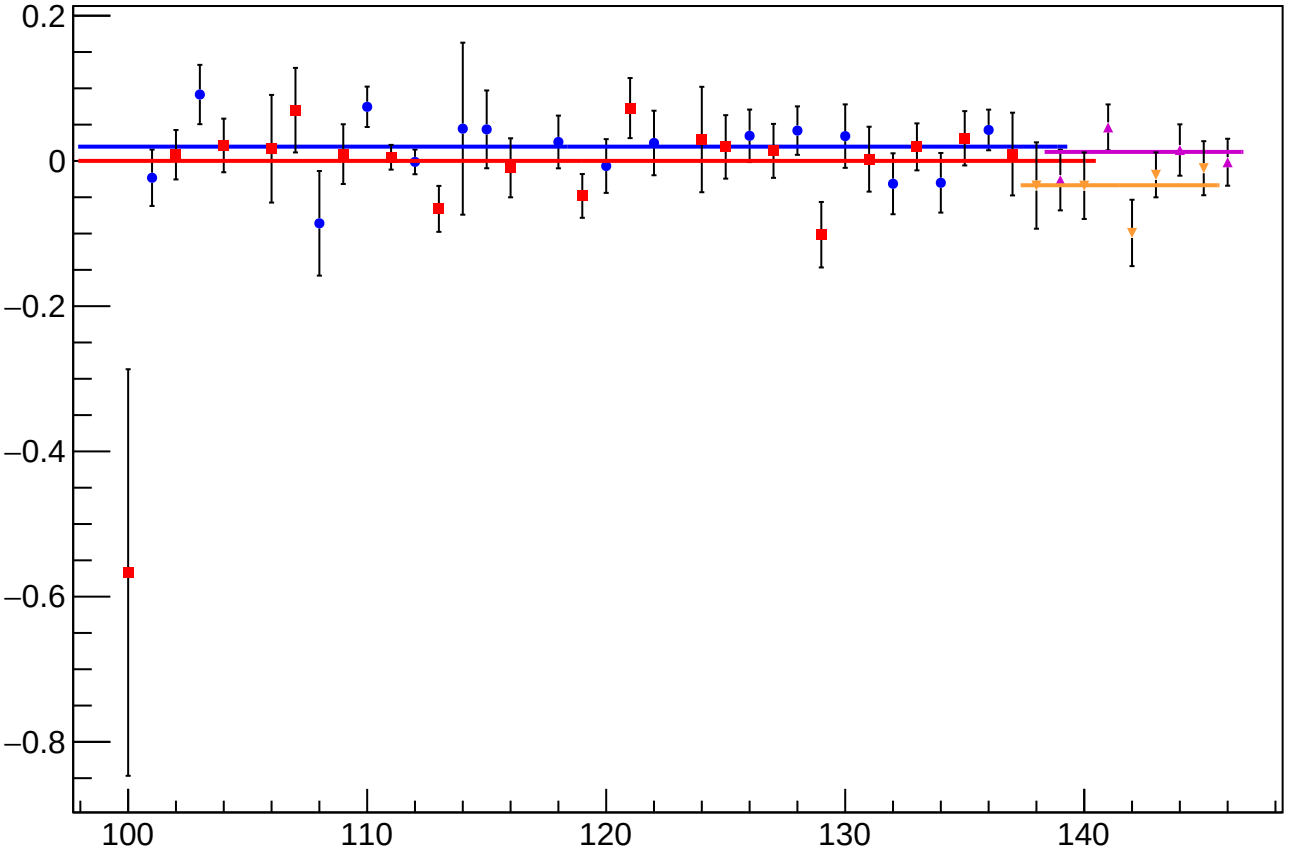
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 31.703+/-0.012 χ^2/NDF:60781.4/3

\+ sign 23.646+/-0.006 χ^2/NDF: 2509946.1/20

All: 23.515+/-0.004 χ^2/NDF: 4454757.8/43

\- sign 23.391+/-0.005 χ^2/NDF: 1943729.4/22



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.033+/-0.018 χ^2/NDF:2.7/4

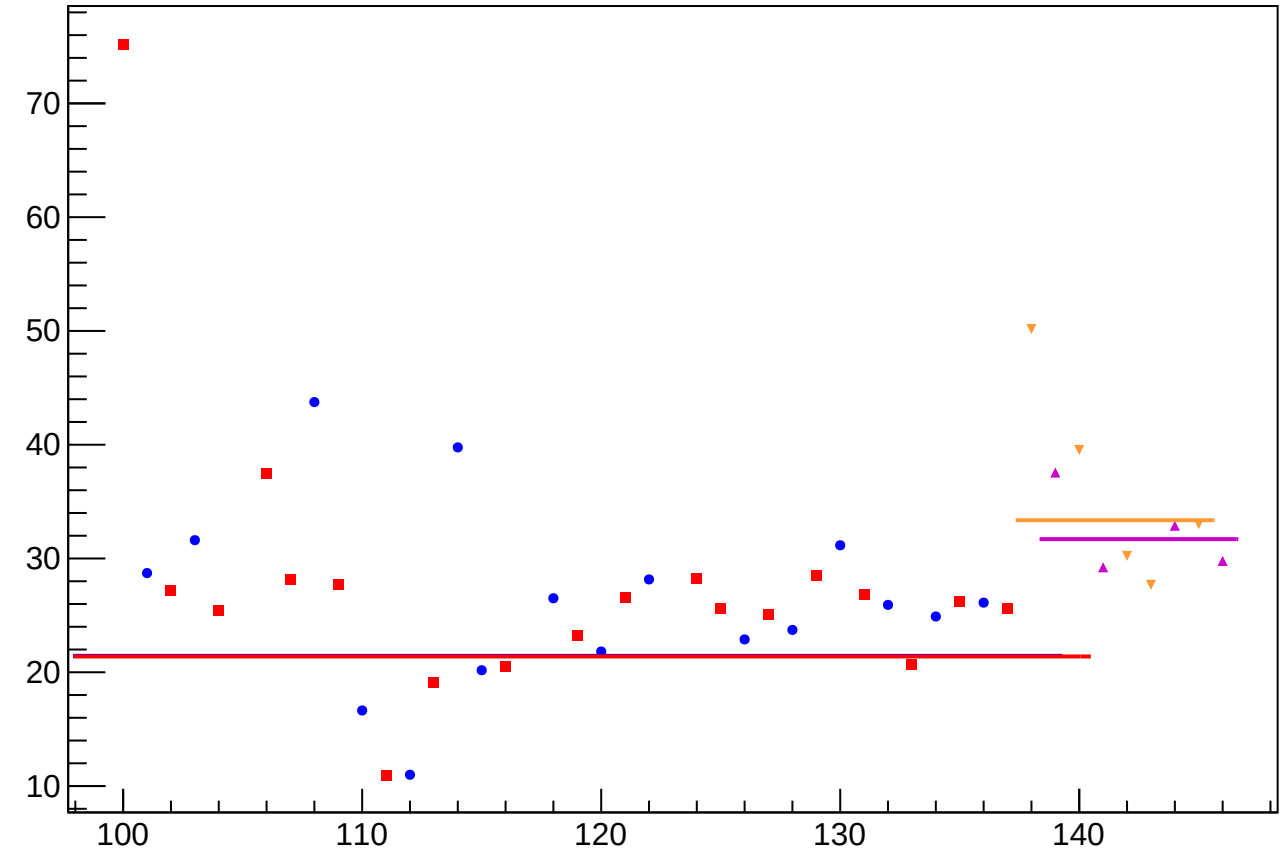
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.012+/-0.017 χ^2/NDF:2.2/3

+ sign 0.010+/-0.008 χ^2/NDF: 26.6/20

All: 0.006+/-0.005 χ^2/NDF: 52.5/43

- sign 0.002+/-0.008 χ^2/NDF: 25.5/22



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272832.9/4

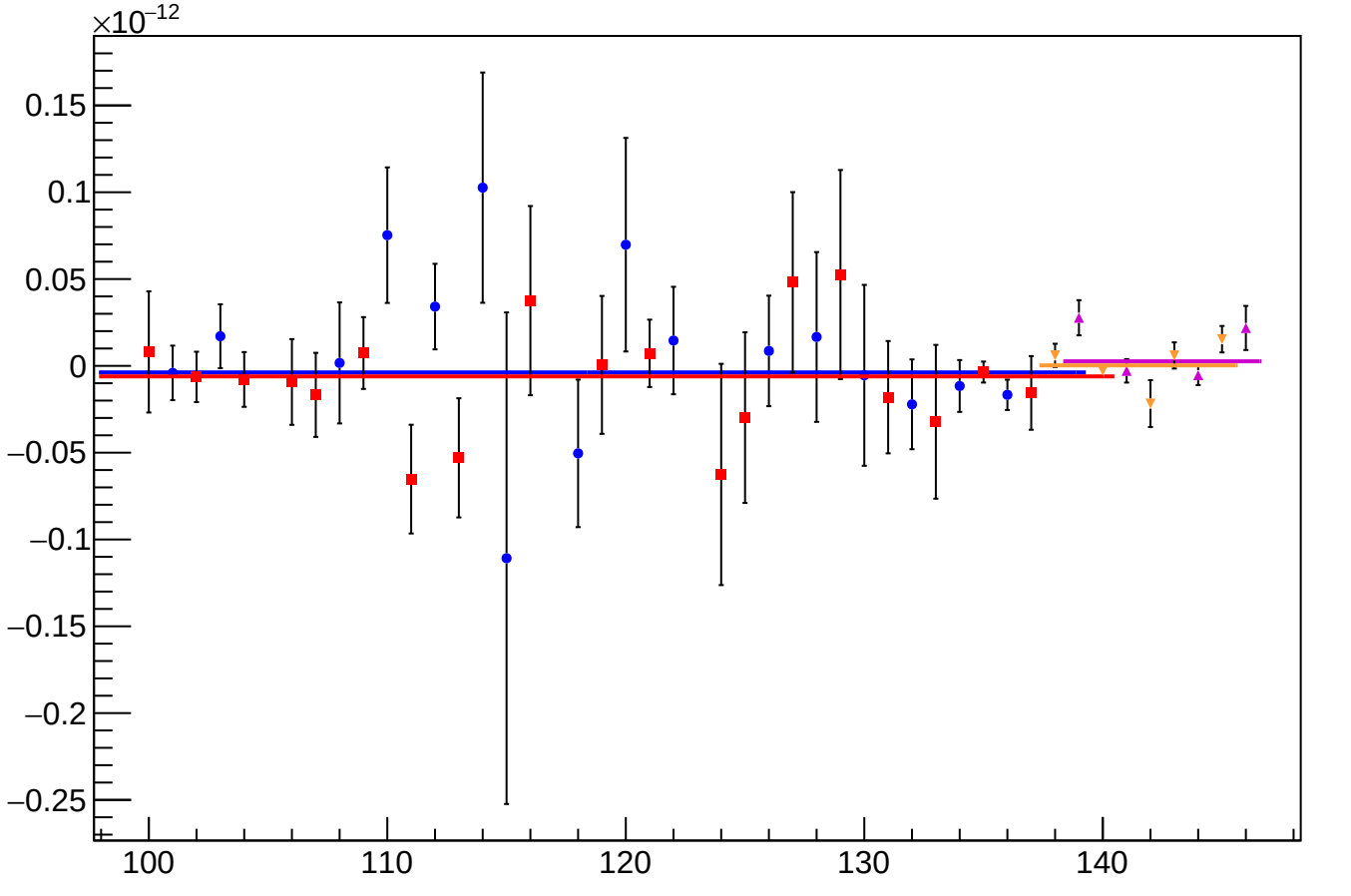
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 31.703+/-0.012 χ^2/NDF:60781.4/3

+ sign 23.646+/-0.006 χ^2/NDF: 2509946.1/20

All: 23.515+/-0.004 χ^2/NDF: 4454757.8/43

- sign 23.391+/-0.005 χ^2/NDF: 1943729.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

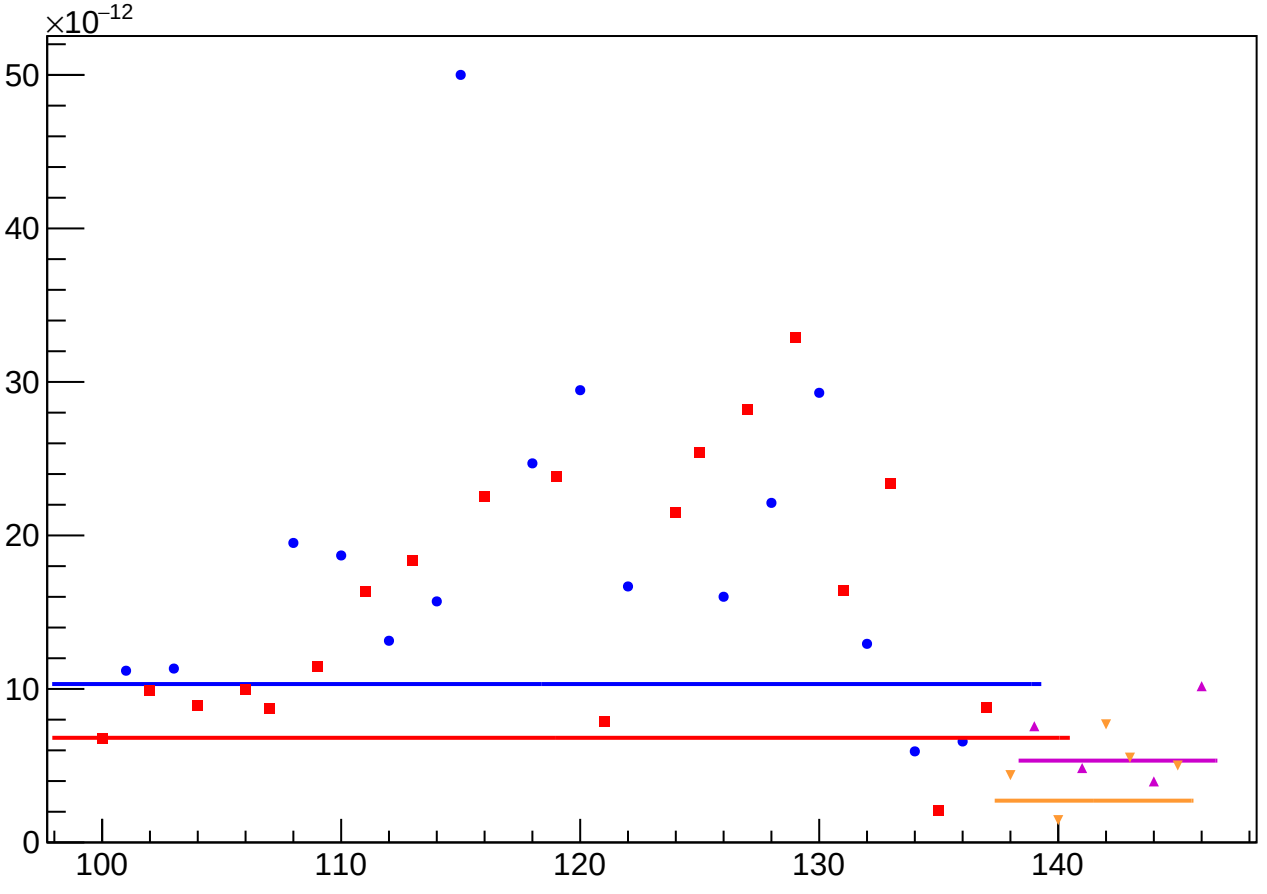
Left In: 0.000+/-0.000 χ^2/NDF:11.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/20

All: -0.000+/-0.000 χ^2/NDF: 51.3/43

- sign -0.000+/-0.000 χ^2/NDF: 24.6/22

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:1241578.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

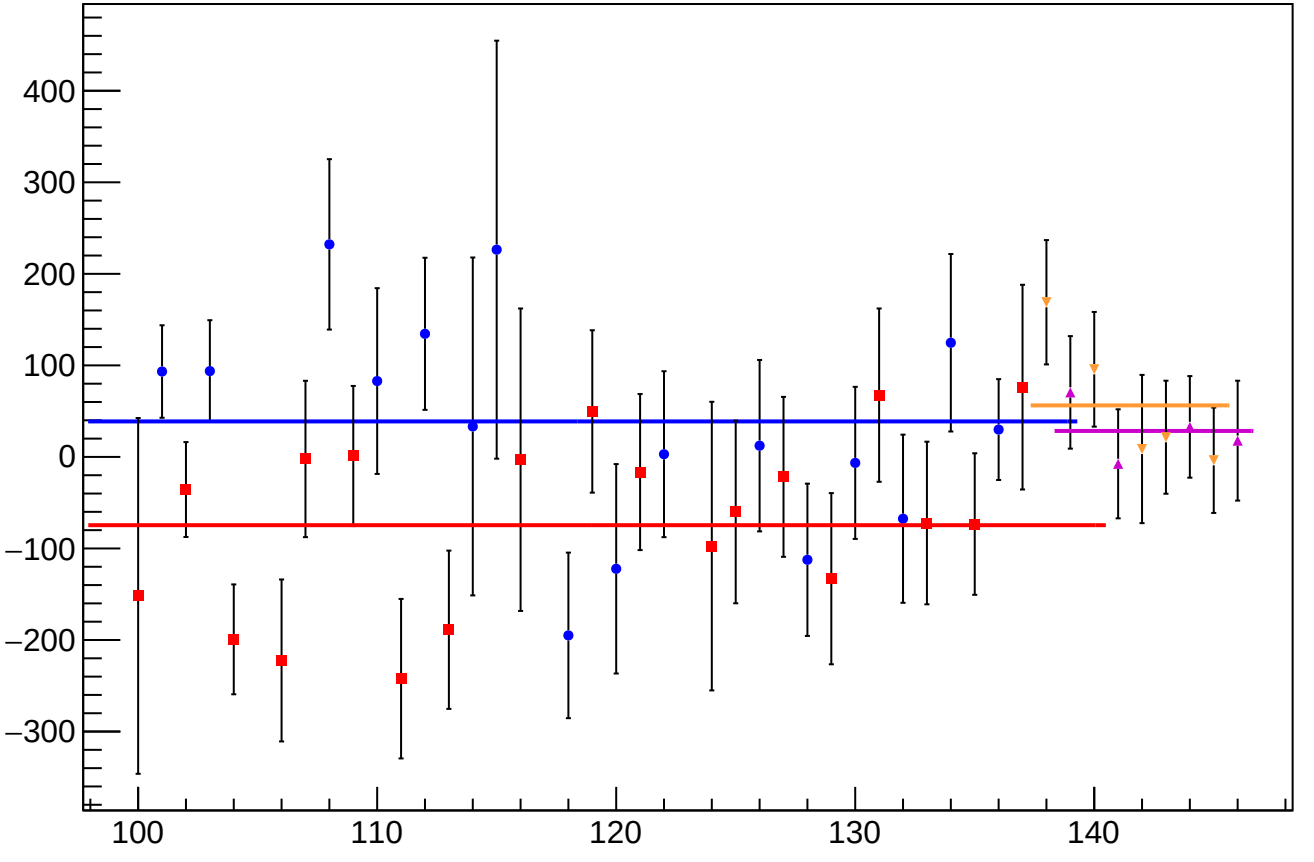
Left In: 0.000+/-0.000 χ^2/NDF:511208.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 6428380.8/20

All: 0.000+/-0.000 χ^2/NDF: 11778441.6/43

- sign 0.000+/-0.000 χ^2/NDF: 4665169.4/22

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 56.293+/-29.009 χ^2/NDF:4.9/4

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

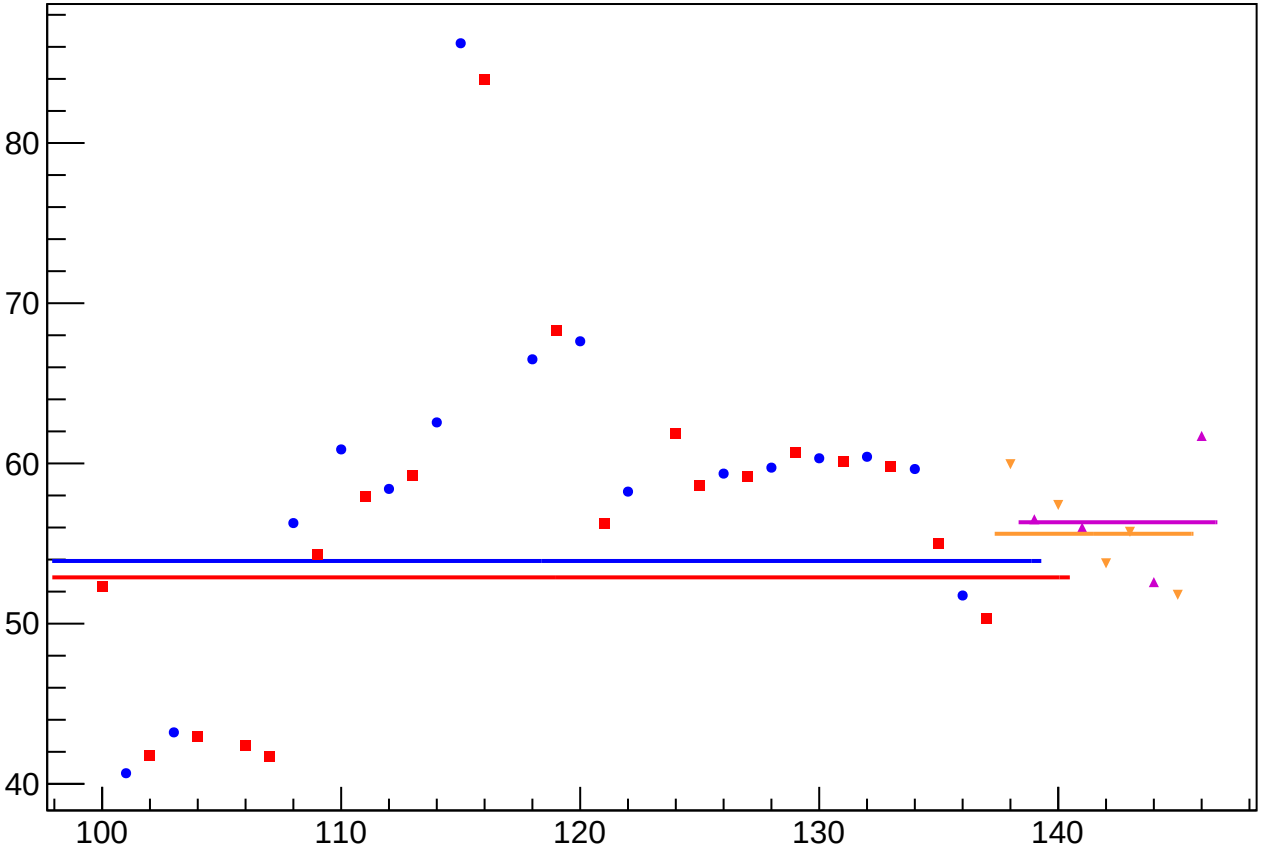
Left In: 28.372+/-30.086 χ^2/NDF:0.9/3

+ sign 44.581+/-16.694 χ^2/NDF: 28.4/20

All: 0.153+/-11.750 χ^2/NDF: 74.0/43

- sign -43.462+/-16.541 χ^2/NDF: 31.5/22

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 55.610+/-0.021 χ^2/NDF:19625.3/4

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

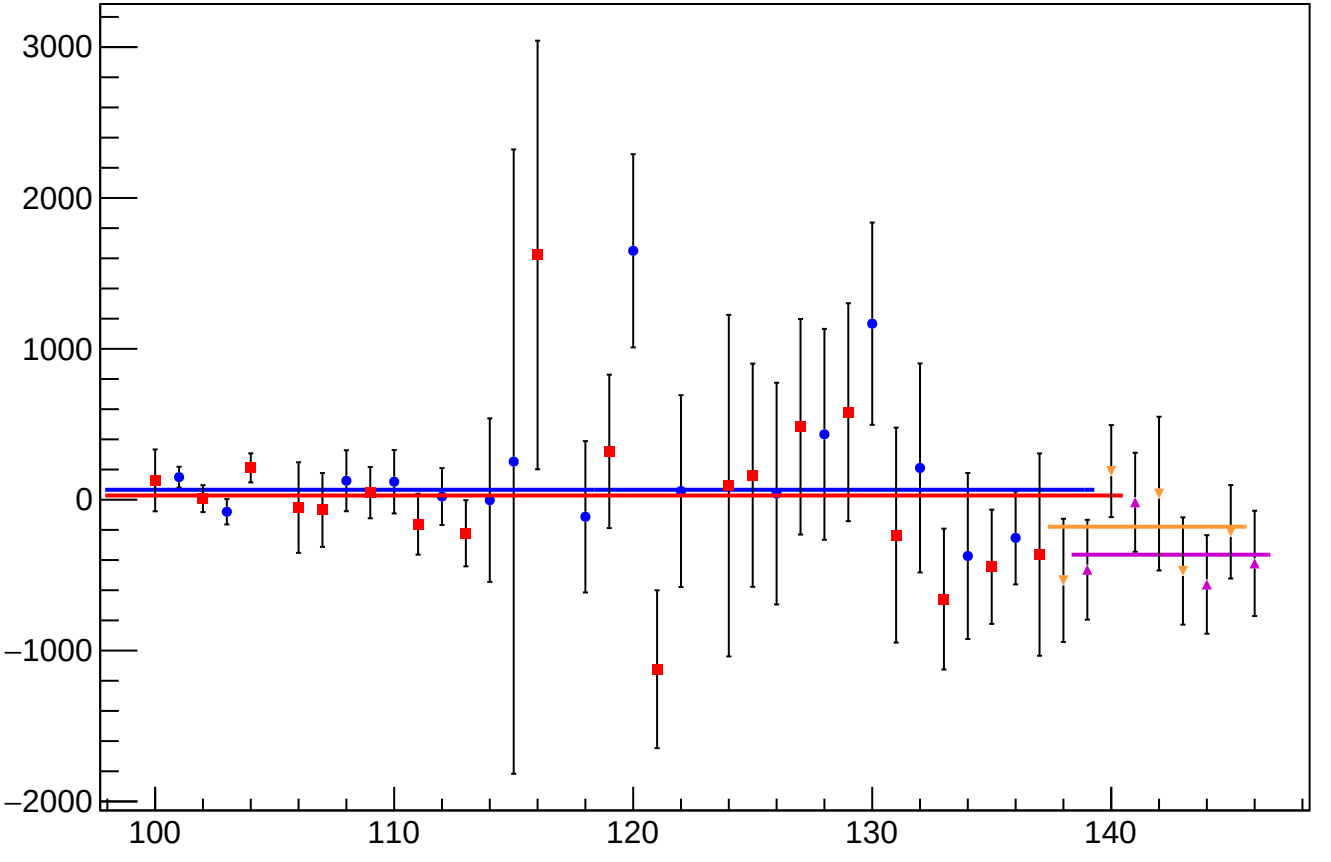
Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

+ sign 54.474+/-0.012 χ^2/NDF: 417467.8/20

All: 54.199+/-0.008 χ^2/NDF: 884700.3/43

- sign 53.929+/-0.012 χ^2/NDF: 466153.5/22

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -178.851+/-160.285 χ^2/NDF:3.1/4

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

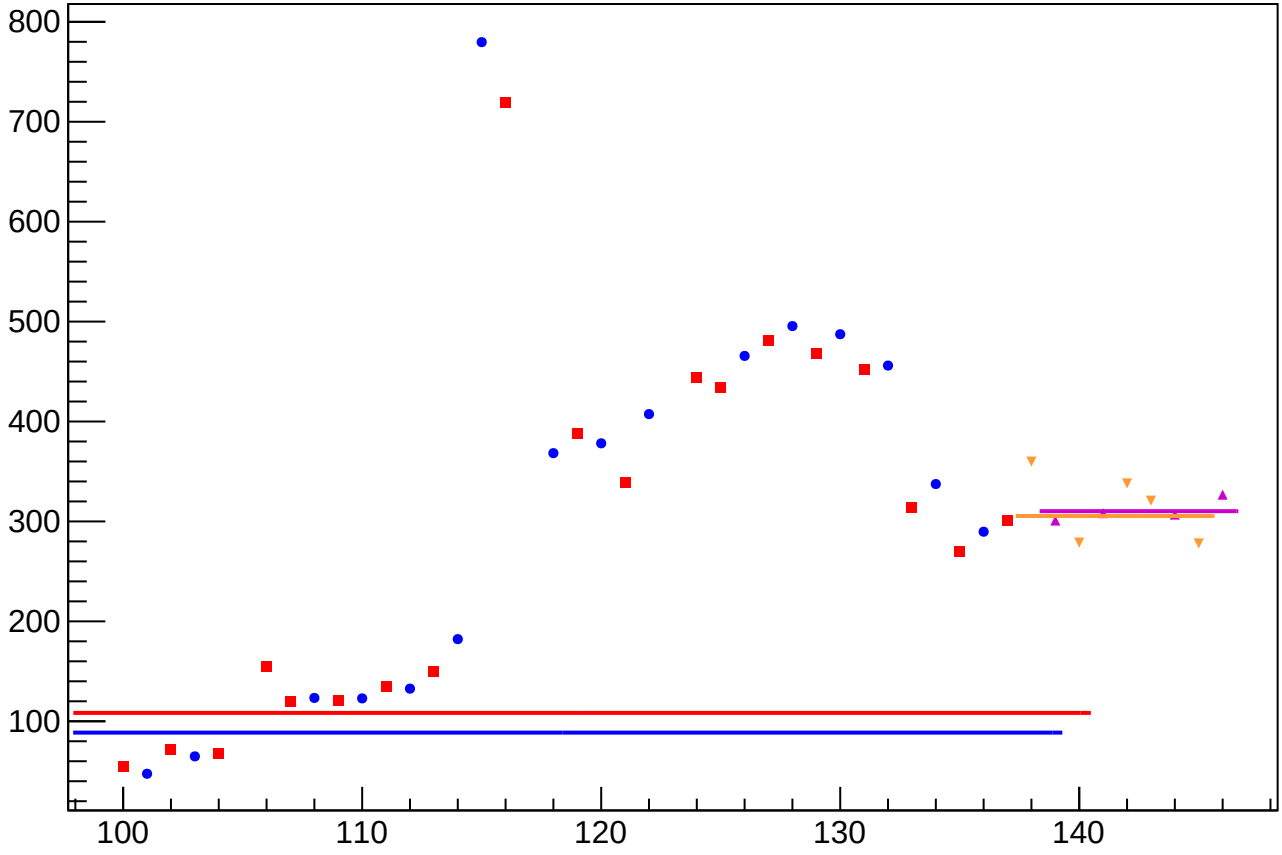
Left In: -364.542+/-166.643 χ^2/NDF:1.6/3

\+ sign 46.873+/-44.640 χ^2/NDF: 20.9/20

All: 22.938+/-32.735 χ^2/NDF: 46.2/43

\- sign -4.905+/-48.147 χ^2/NDF: 24.7/22

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 305.447+/-0.113 χ^2/NDF:78375.2/4

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

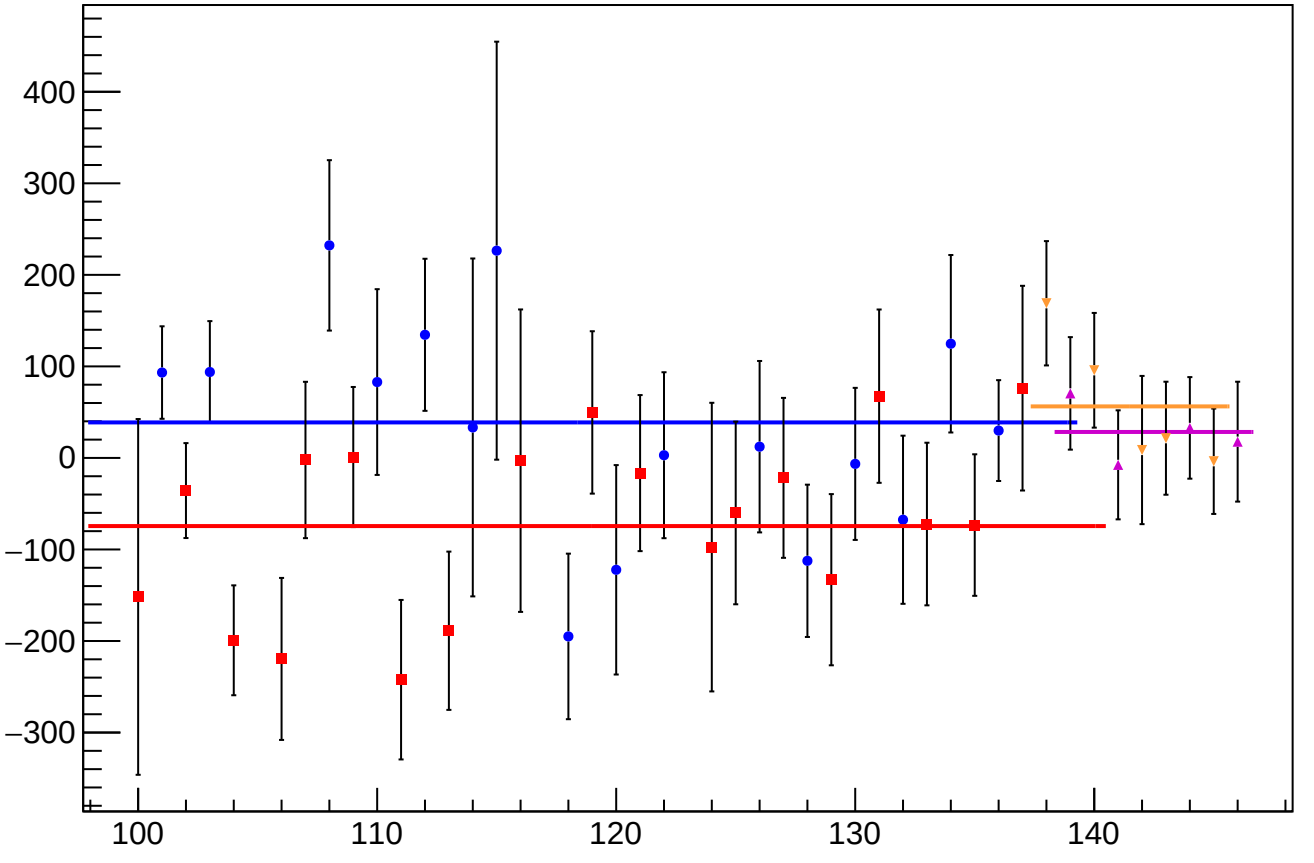
Left In: 310.275+/-0.118 χ^2/NDF:6372.5/3

+ sign 105.473+/-0.032 χ^2/NDF: 10101302.9/20

All: 114.609+/-0.023 χ^2/NDF: 18342253.6/43

- sign 125.238+/-0.034 χ^2/NDF: 8059698.6/22

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 56.298+/-29.009 χ^2/NDF:4.9/4

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

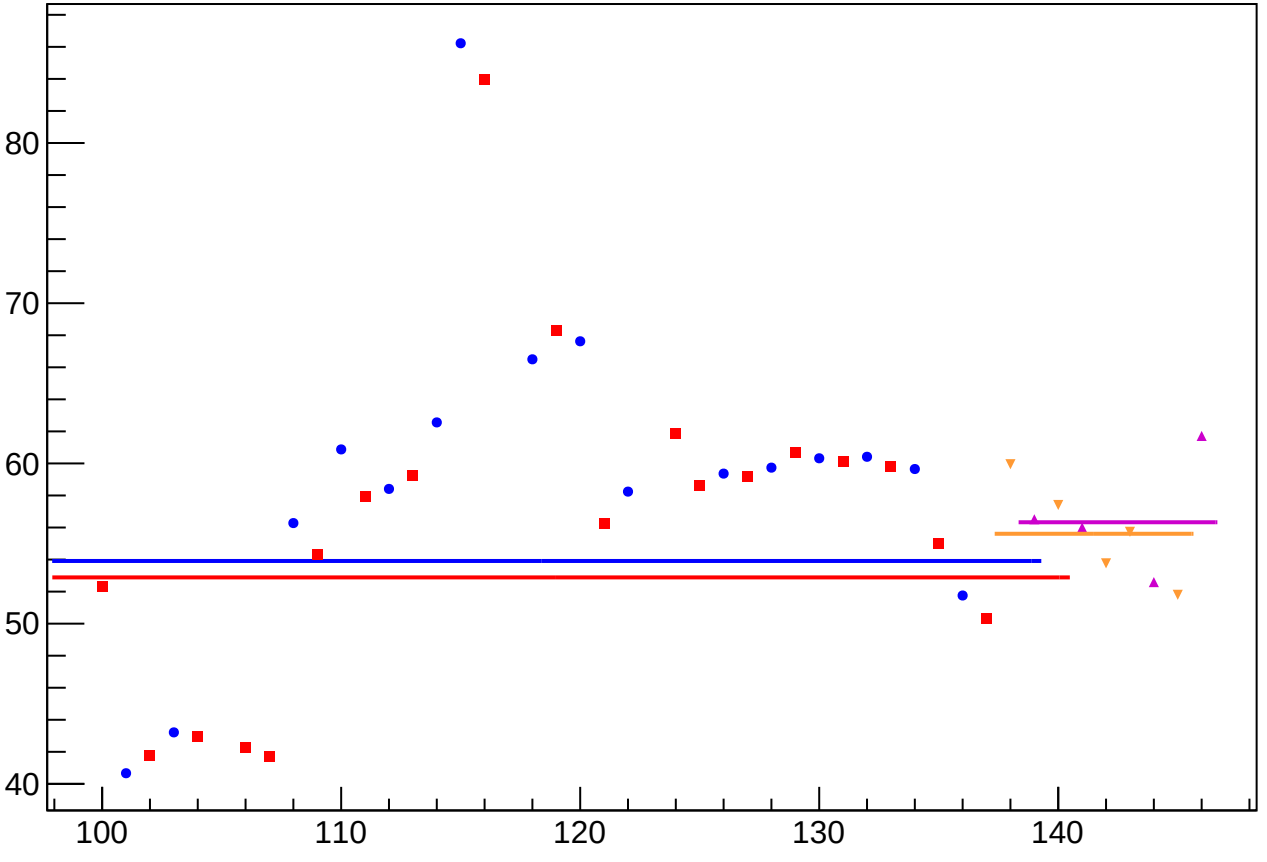
Left In: 28.369+/-30.086 χ^2/NDF:0.9/3

+ sign 44.591+/-16.694 χ^2/NDF: 28.4/20

All: 0.209+/-11.750 χ^2/NDF: 73.8/43

- sign -43.365+/-16.541 χ^2/NDF: 31.4/22

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 55.610+/-0.021 χ^2/NDF:19625.3/4

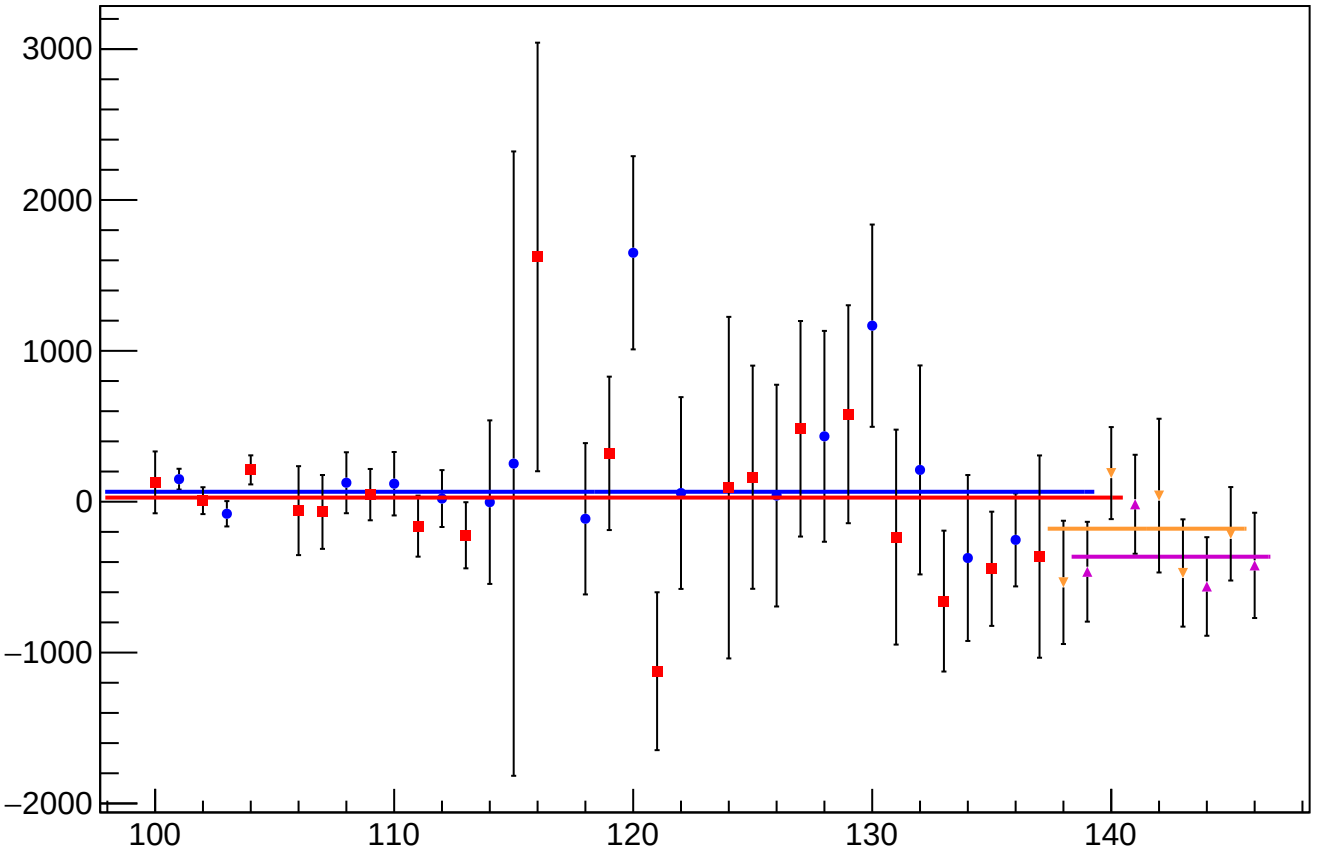
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

+ sign 54.474+/-0.012 χ^2/NDF: 417467.2/20

All: 54.198+/-0.008 χ^2/NDF: 885036.0/43

- sign 53.927+/-0.012 χ^2/NDF: 466484.1/22



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -178.846+/-160.285 χ^2/NDF:3.1/4

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

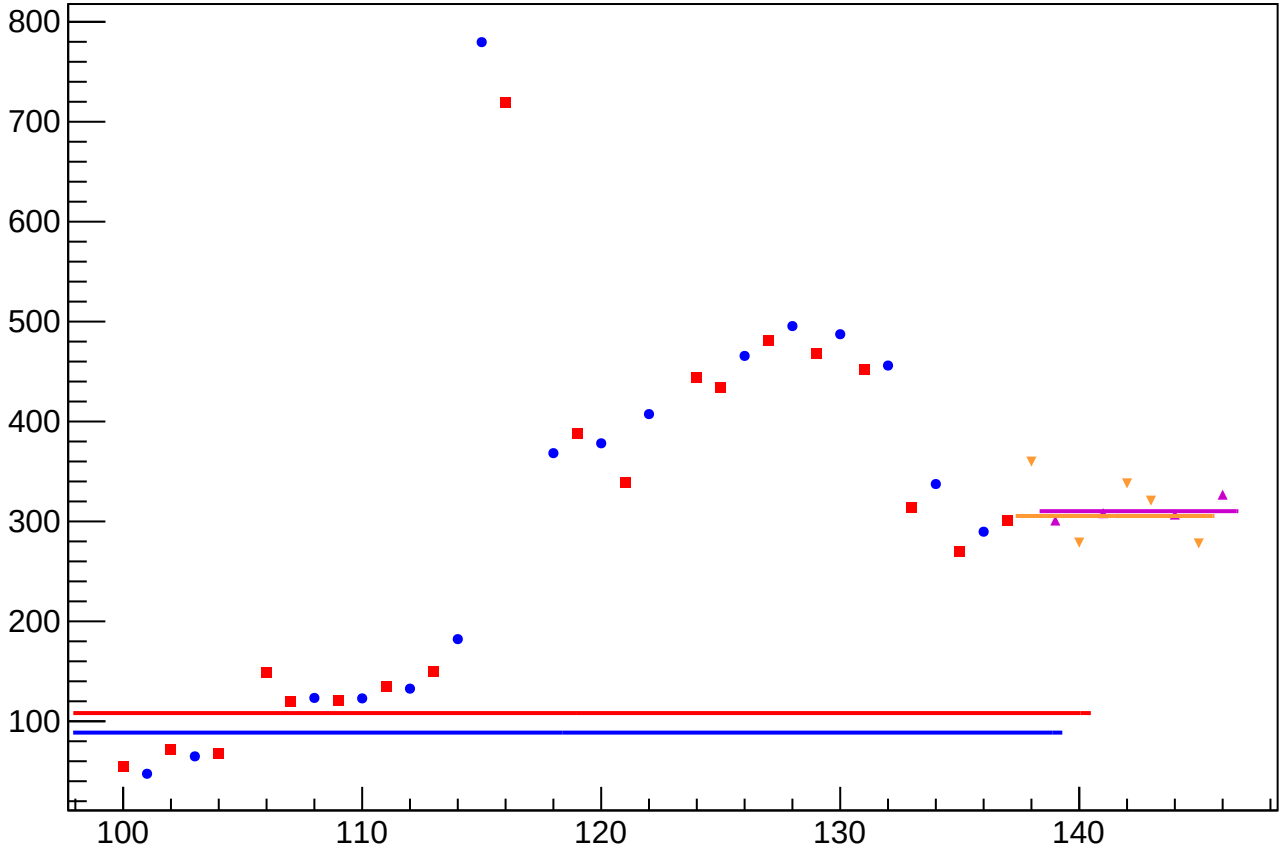
Left In: -364.542+/-166.643 χ^2/NDF:1.6/3

+ sign 46.878+/-44.639 χ^2/NDF: 20.9/20

All: 22.756+/-32.722 χ^2/NDF: 46.3/43

- sign -5.261+/-48.109 χ^2/NDF: 24.7/22

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 305.447+/-0.113 χ^2/NDF:78376.2/4

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

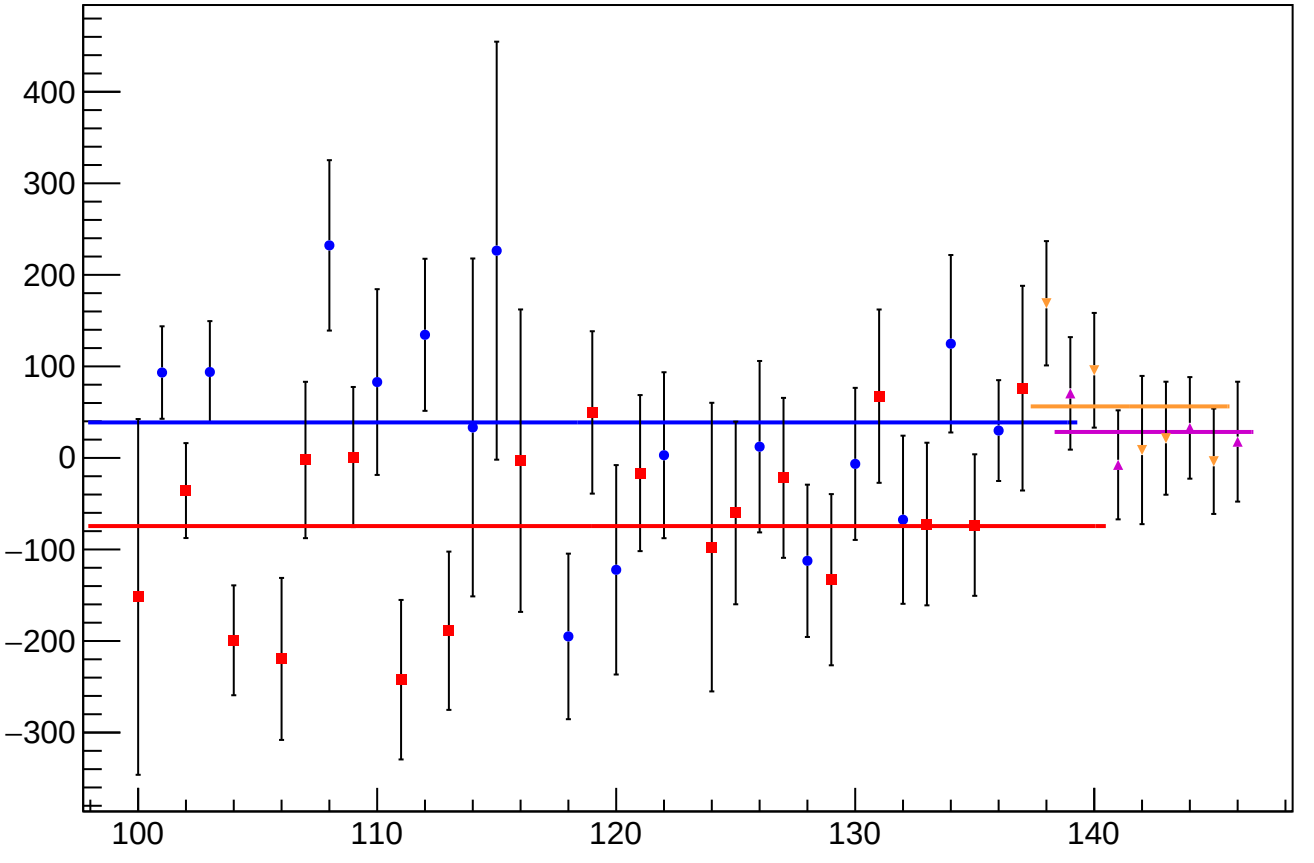
Left In: 310.275+/-0.118 χ^2/NDF:6372.6/3

+ sign 105.470+/-0.032 χ^2/NDF: 10101472.2/20

All: 114.527+/-0.023 χ^2/NDF: 18336329.8/43

- sign 125.048+/-0.034 χ^2/NDF: 8056865.4/22

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 56.298+/-29.009 χ^2/NDF:4.9/4

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

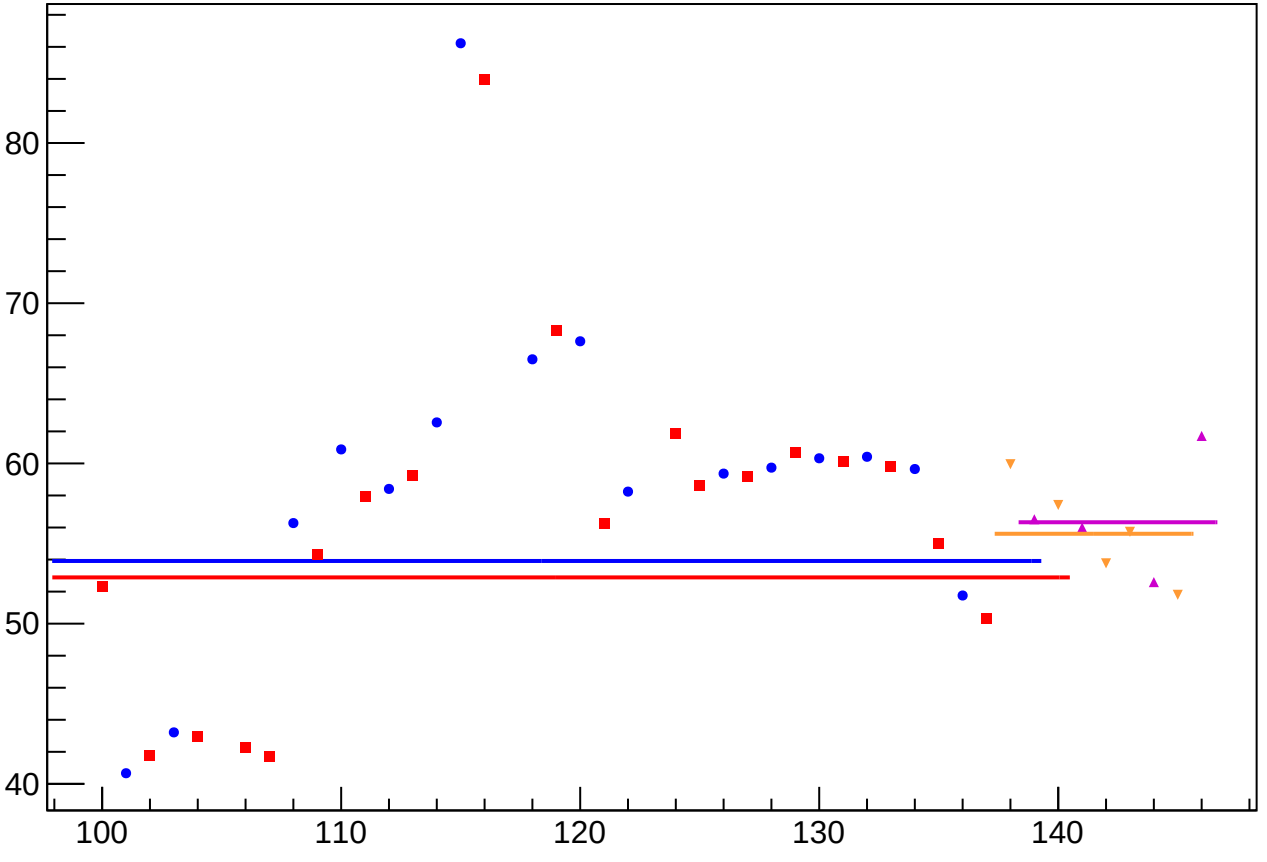
Left In: 28.369+/-30.086 χ^2/NDF:0.9/3

+ sign 44.591+/-16.694 χ^2/NDF: 28.4/20

All: 0.209+/-11.750 χ^2/NDF: 73.8/43

- sign -43.365+/-16.541 χ^2/NDF: 31.4/22

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 55.610+/-0.021 χ^2/NDF:19625.3/4

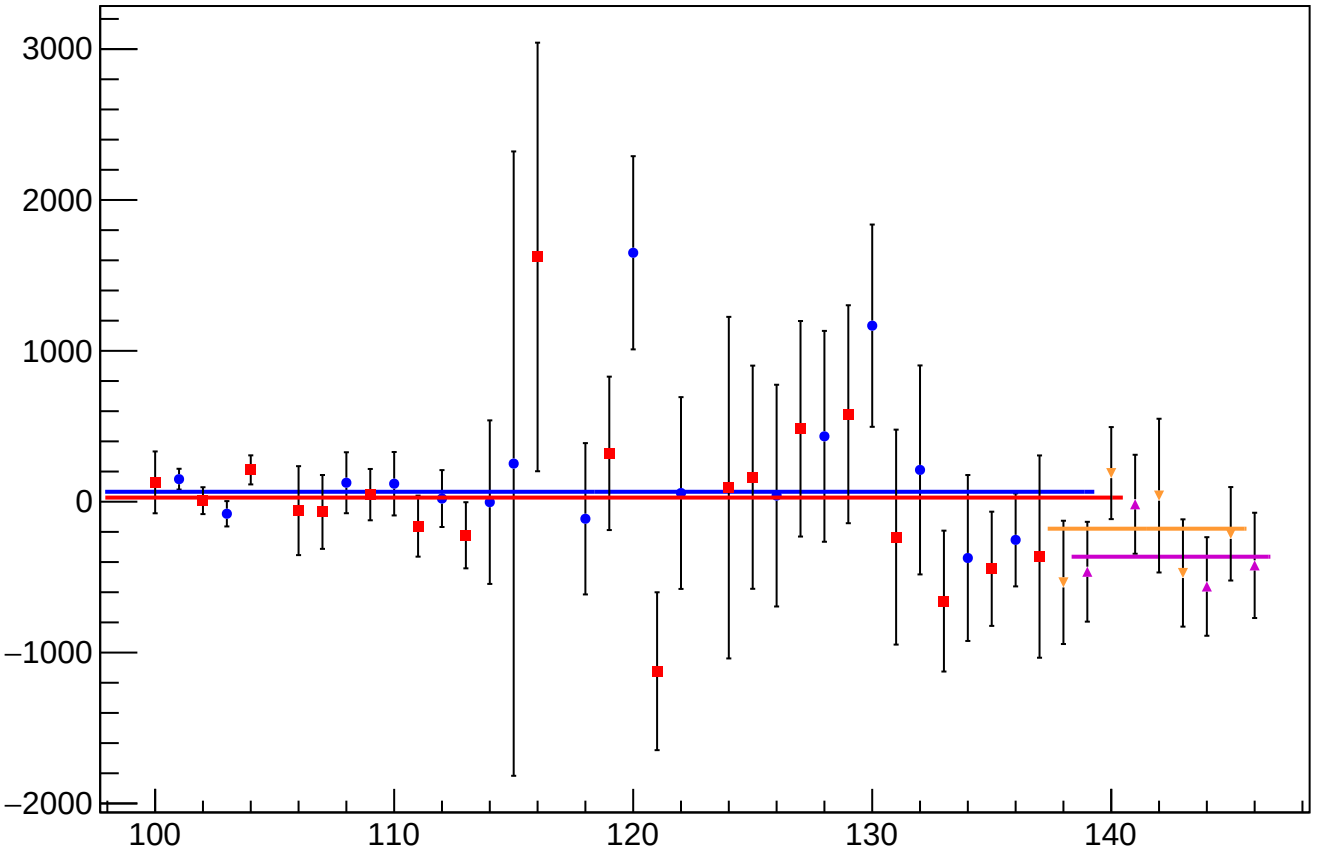
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

+ sign 54.474+/-0.012 χ^2/NDF: 417467.2/20

All: 54.198+/-0.008 χ^2/NDF: 885036.0/43

- sign 53.927+/-0.012 χ^2/NDF: 466484.1/22



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -178.846+/-160.285 χ^2/NDF:3.1/4

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

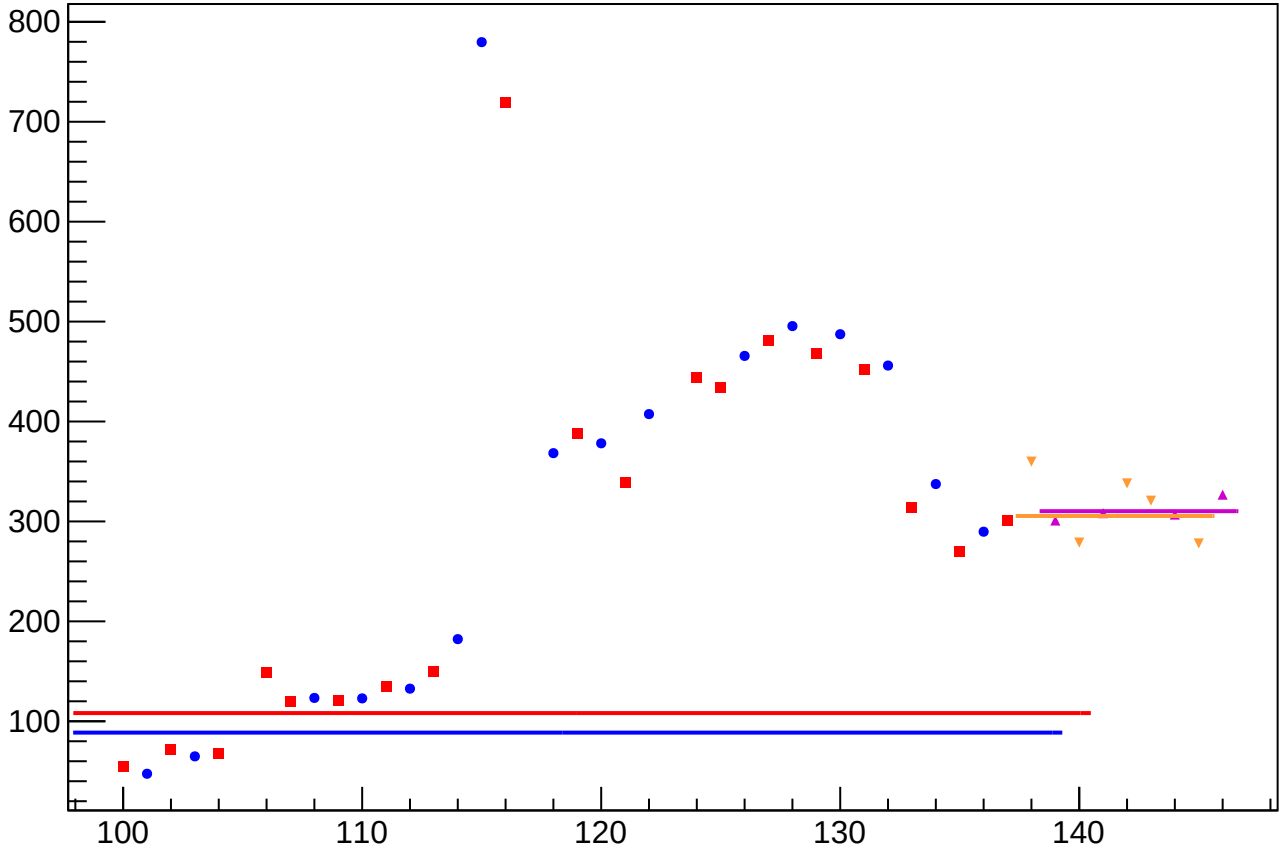
Left In: -364.542+/-166.643 χ^2/NDF:1.6/3

+ sign 46.878+/-44.639 χ^2/NDF: 20.9/20

All: 22.756+/-32.722 χ^2/NDF: 46.3/43

- sign -5.261+/-48.109 χ^2/NDF: 24.7/22

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 305.447+/-0.113 χ^2/NDF:78376.2/4

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

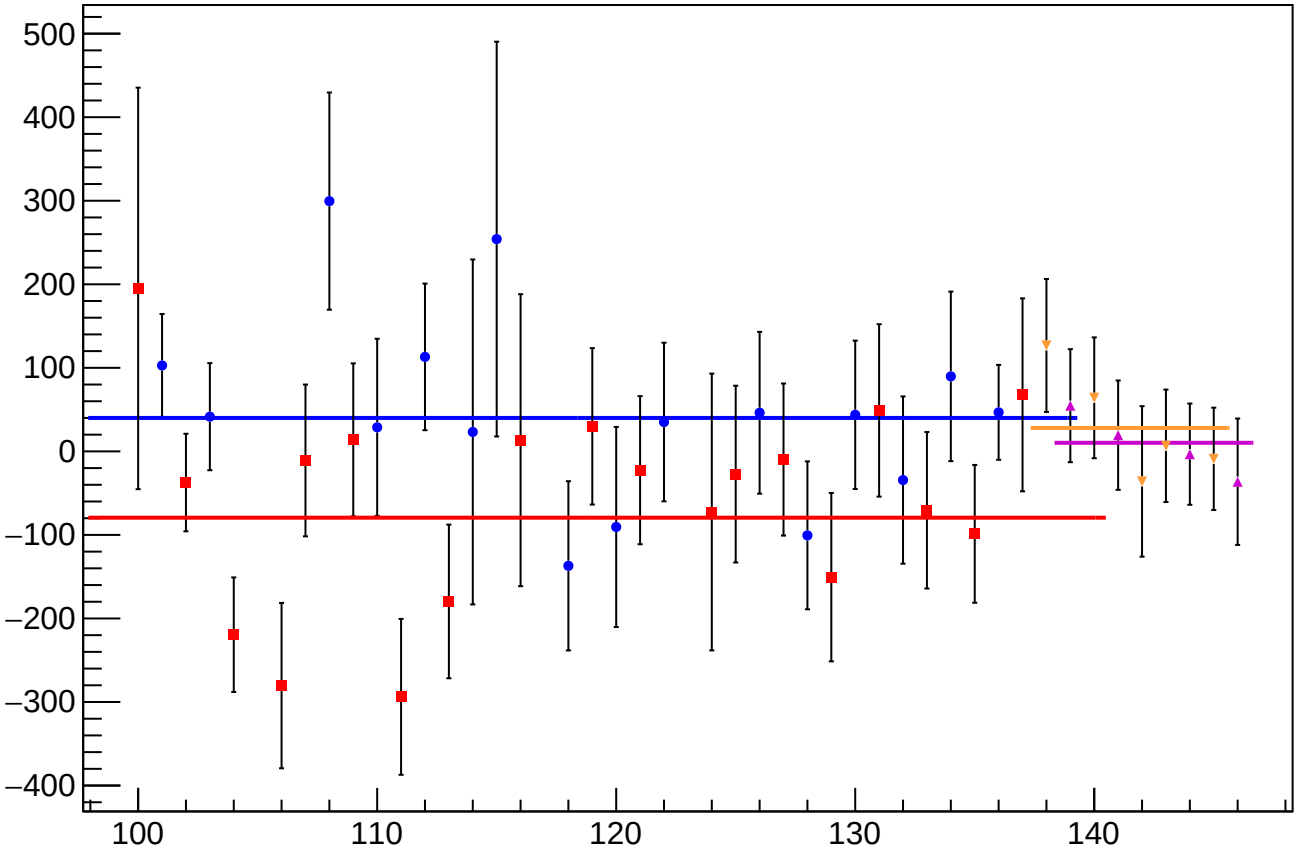
Left In: 310.275+/-0.118 χ^2/NDF:6372.6/3

+ sign 105.470+/-0.032 χ^2/NDF: 10101472.2/20

All: 114.527+/-0.023 χ^2/NDF: 18336329.8/43

- sign 125.048+/-0.034 χ^2/NDF: 8056865.4/22

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 28.072+/-32.281 χ^2/NDF:2.8/4

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

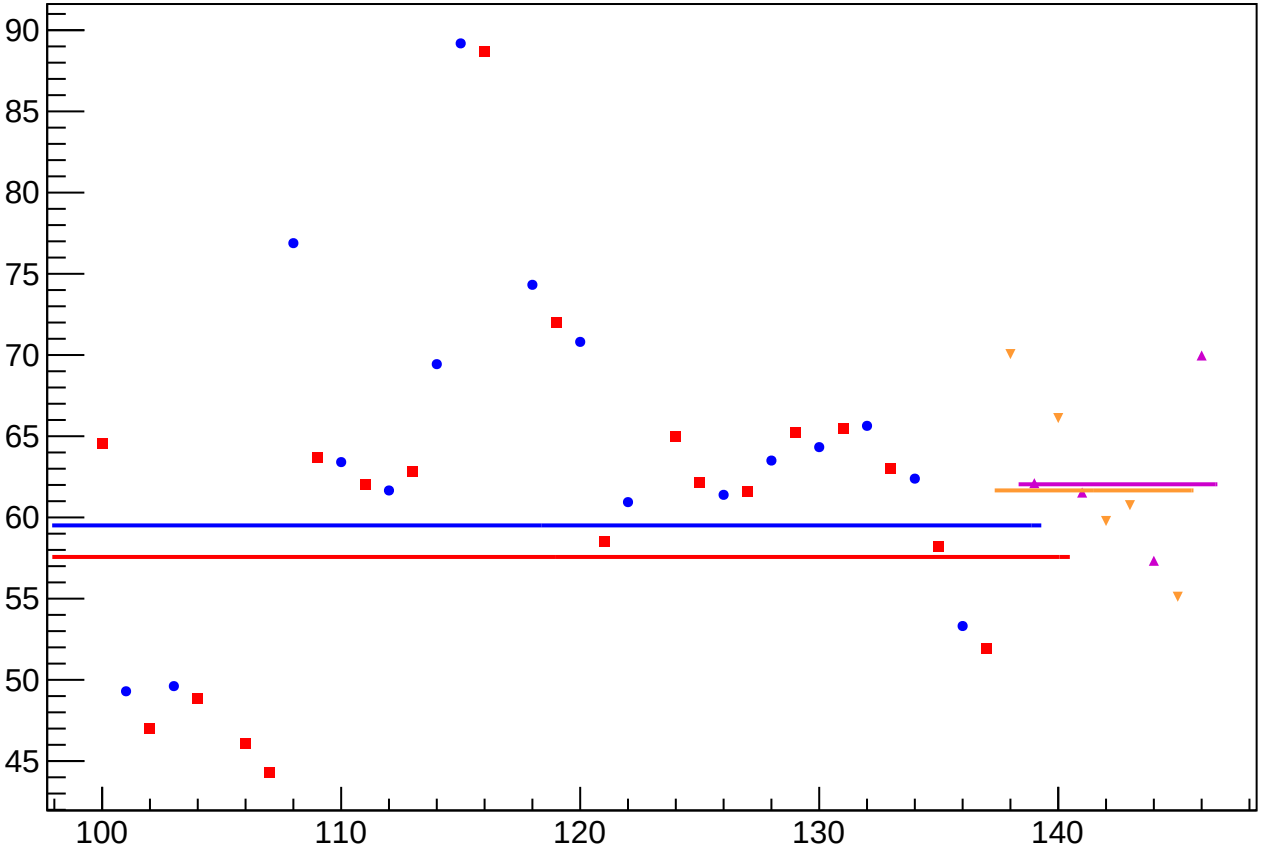
Left In: 10.258+/-33.348 χ^2/NDF:0.9/3

+ sign 36.117+/-18.467 χ^2/NDF: 17.0/20

All: -9.259+/-12.932 χ^2/NDF: 59.6/43

- sign -52.927+/-18.116 χ^2/NDF: 30.8/22

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 61.664+/-0.023 χ^2/NDF:53914.4/4

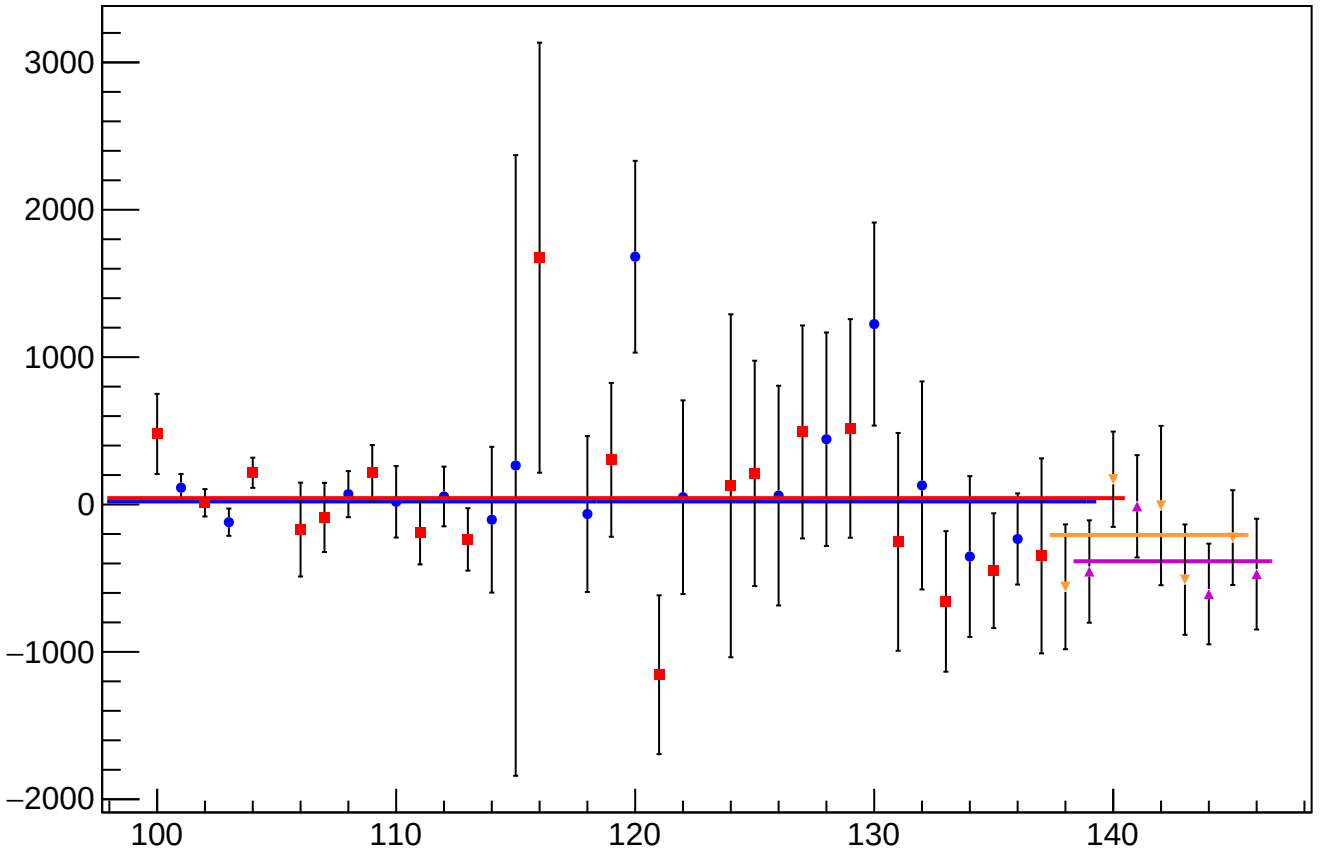
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 62.041+/-0.024 χ^2/NDF:34192.0/3

+ sign 60.214+/-0.013 χ^2/NDF: 343102.1/20

All: 59.538+/-0.009 χ^2/NDF: 755308.9/43

- sign 58.887+/-0.013 χ^2/NDF: 406945.8/22



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -206.453+/-168.195 χ^2/NDF:2.9/4

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

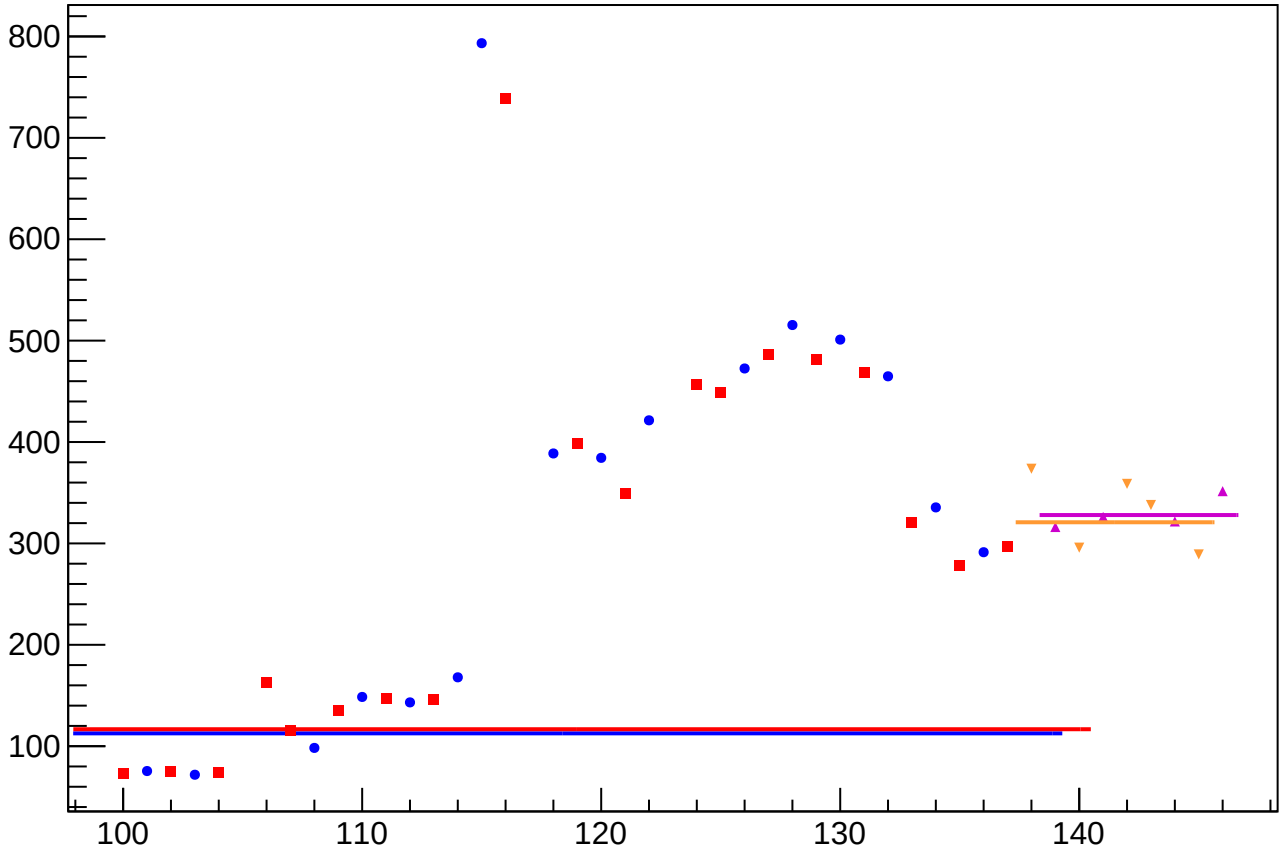
Left In: -385.023+/-176.109 χ^2/NDF:1.7/3

+ sign -0.104+/-51.057 χ^2/NDF: 19.1/20

All: 3.674+/-36.060 χ^2/NDF: 47.7/43

- sign 7.434+/-50.936 χ^2/NDF: 28.6/22

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 320.848+/-0.119 χ^2/NDF:76426.8/4

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

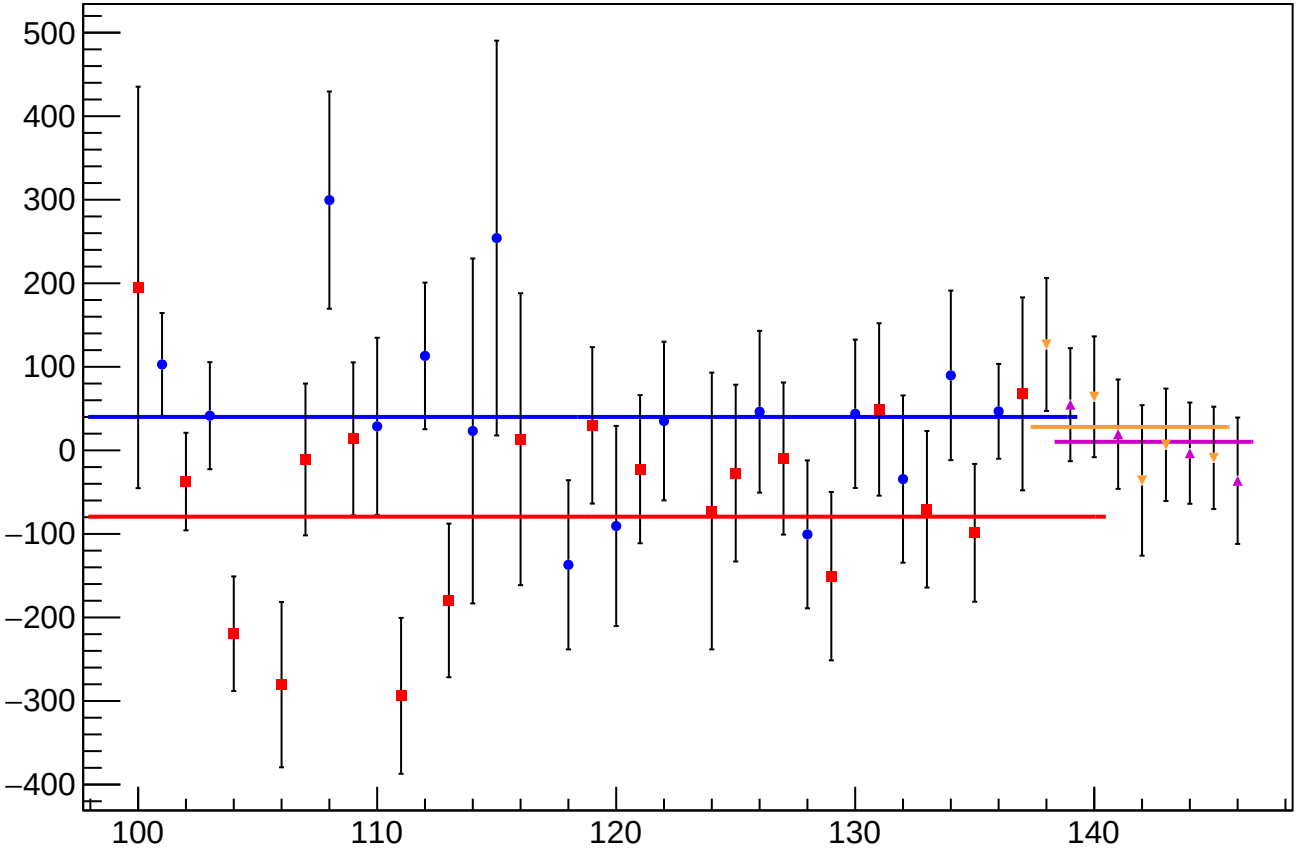
Left In: 327.980+/-0.125 χ^2/NDF:10906.8/3

+ sign 131.851+/-0.036 χ^2/NDF: 8457705.8/20

All: 133.131+/-0.025 χ^2/NDF: 16249478.1/43

- sign 134.404+/-0.036 χ^2/NDF: 7789265.9/22

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 28.072+/-32.281 χ^2/NDF:2.8/4

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

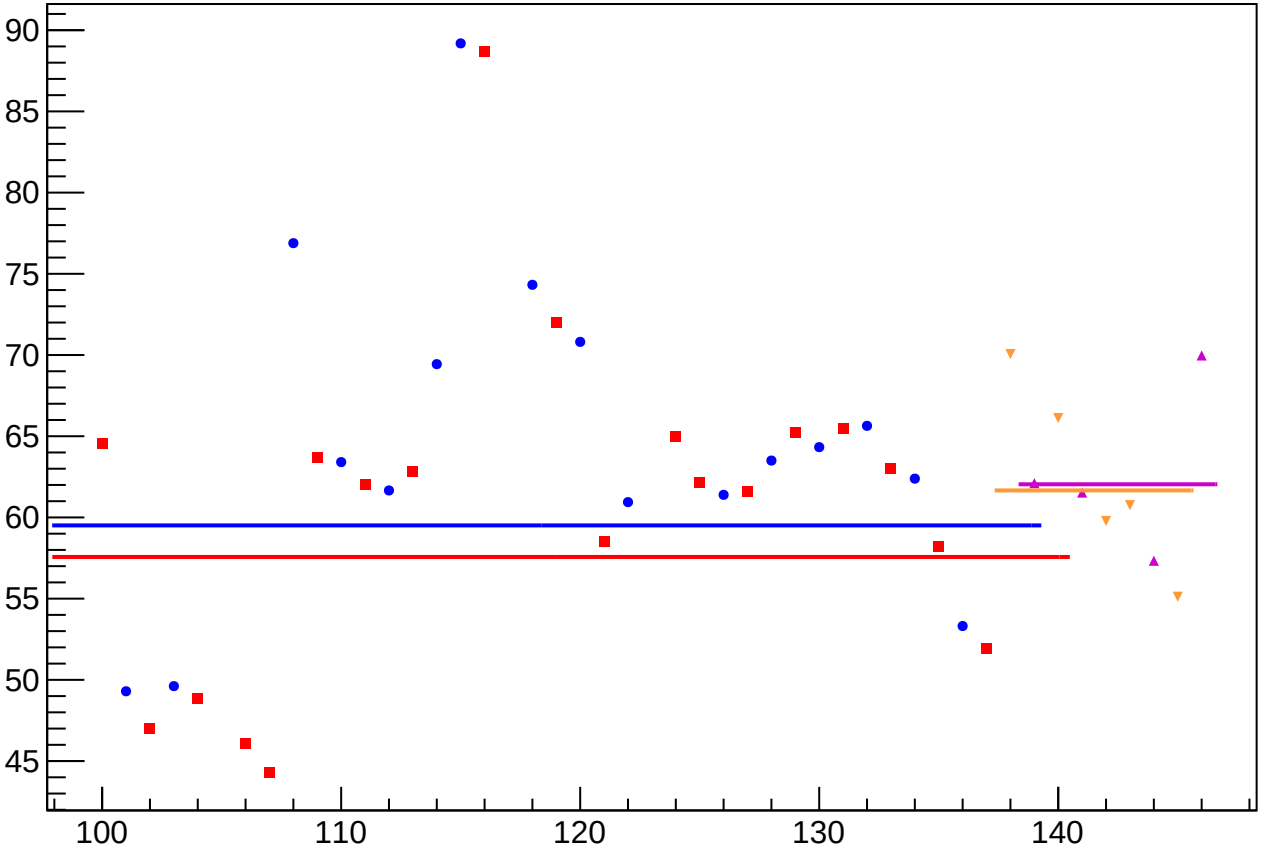
Left In: 10.257+/-33.348 χ^2/NDF:0.9/3

+ sign 36.117+/-18.467 χ^2/NDF: 17.0/20

All: -9.259+/-12.932 χ^2/NDF: 59.6/43

- sign -52.927+/-18.116 χ^2/NDF: 30.8/22

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 61.664+/-0.023 χ^2/NDF:53917.3/4

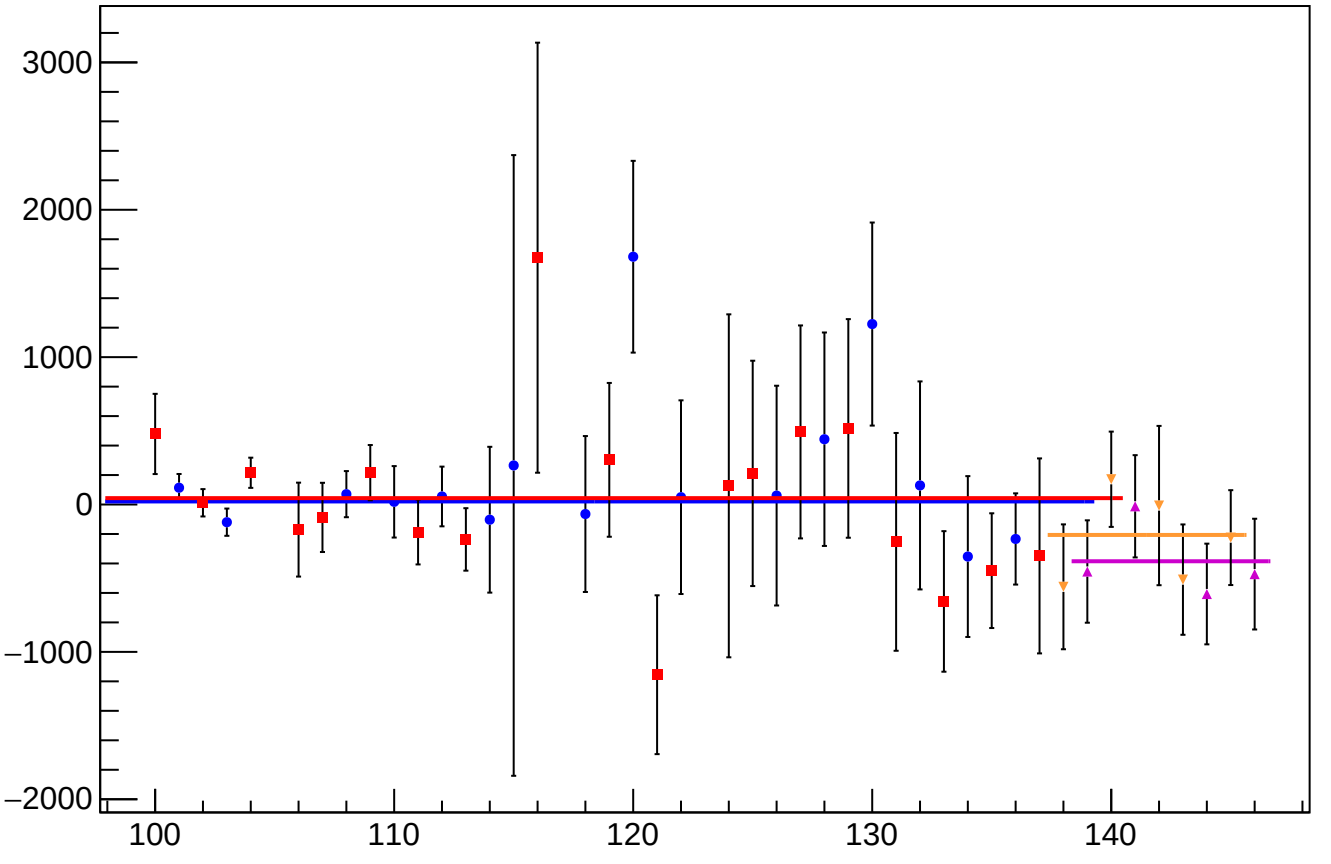
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 62.041+/-0.024 χ^2/NDF:34193.3/3

+ sign 60.214+/-0.013 χ^2/NDF: 343104.3/20

All: 59.538+/-0.009 χ^2/NDF: 755313.0/43

- sign 58.887+/-0.013 χ^2/NDF: 406947.9/22



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -206.454+/-168.195 χ^2/NDF:2.9/4

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

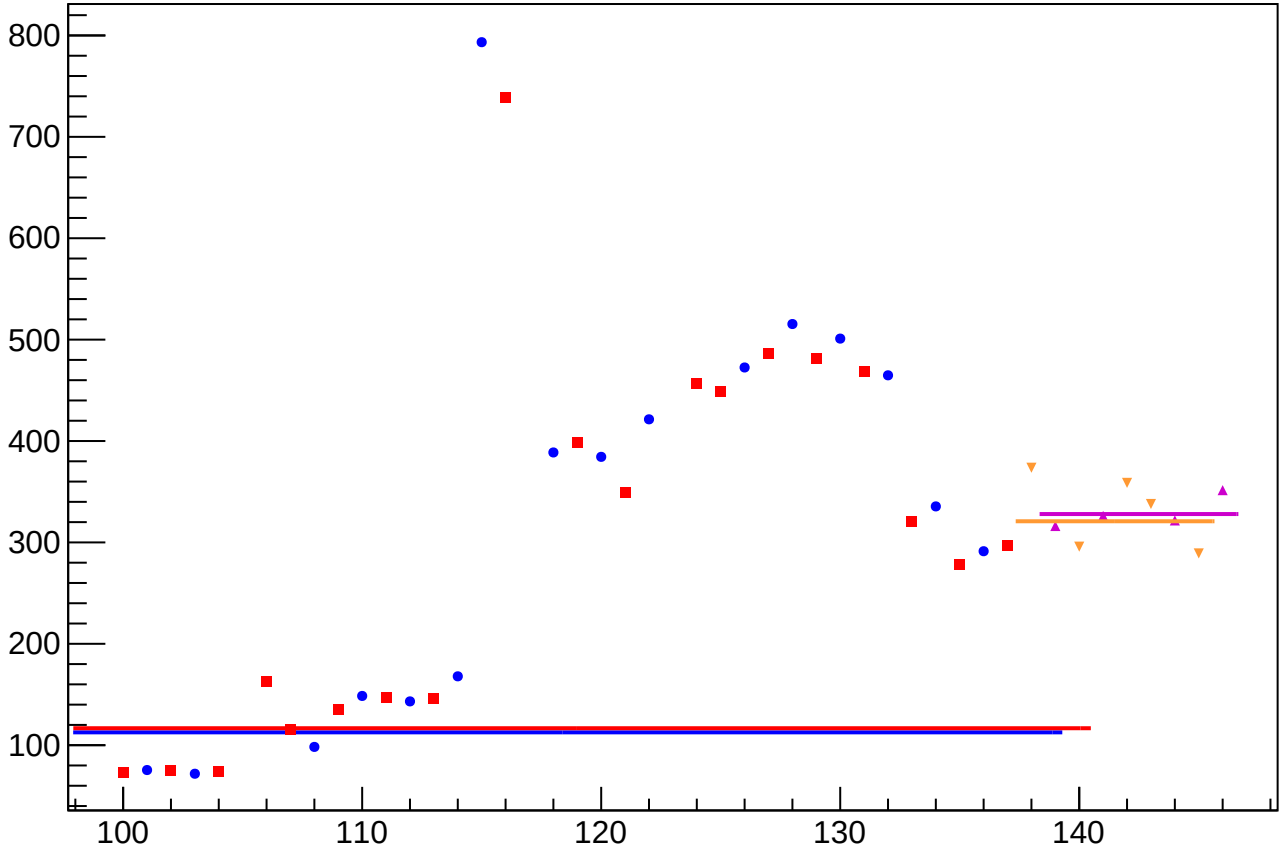
Left In: -385.025+/-176.110 χ^2/NDF:1.7/3

+ sign -0.104+/-51.057 χ^2/NDF: 19.1/20

All: 3.674+/-36.060 χ^2/NDF: 47.7/43

- sign 7.434+/-50.936 χ^2/NDF: 28.6/22

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 320.849+/-0.119 χ^2/NDF:76427.1/4

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

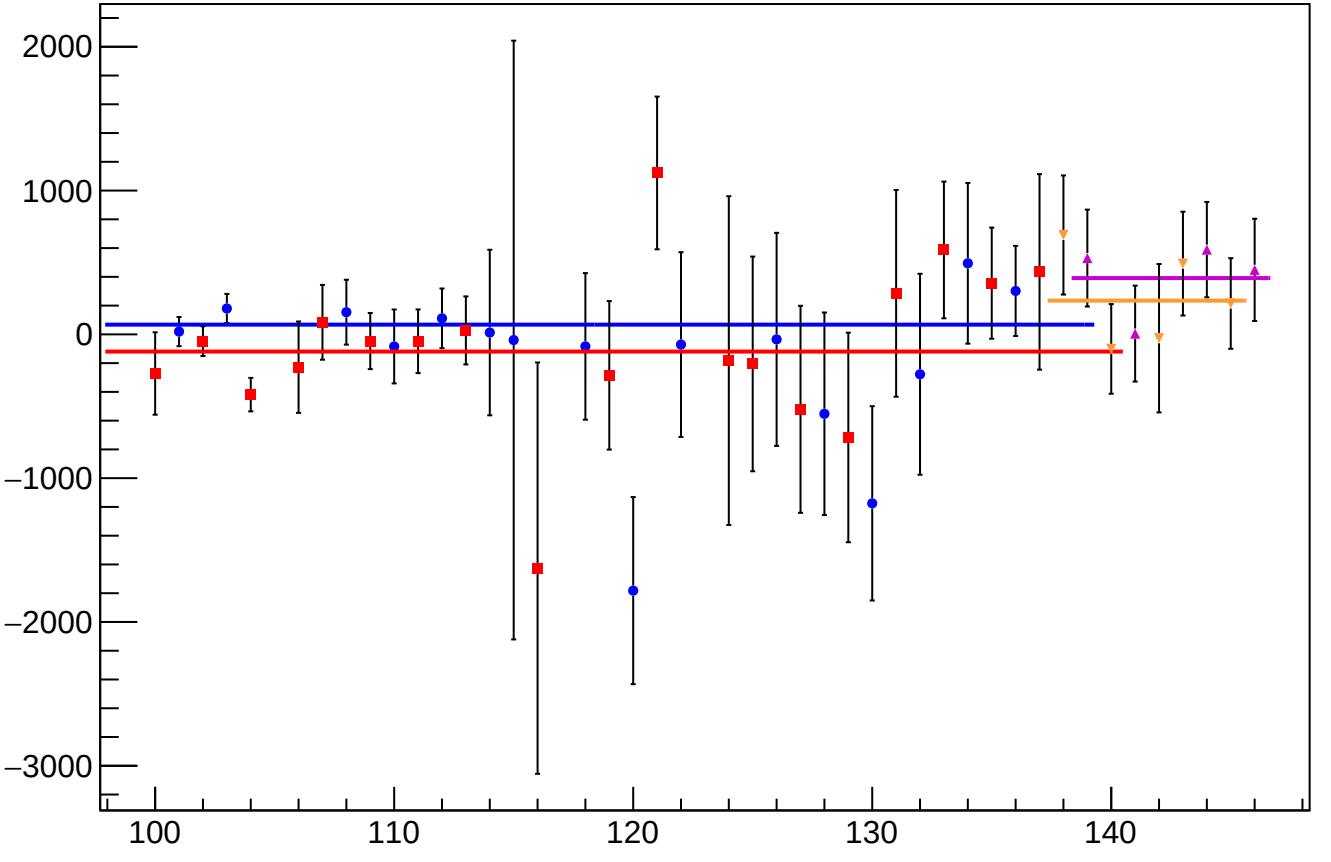
Left In: 327.981+/-0.125 χ^2/NDF:10907.0/3

+ sign 131.851+/-0.036 χ^2/NDF: 8457719.4/20

All: 133.130+/-0.025 χ^2/NDF: 16249513.6/43

- sign 134.404+/-0.036 χ^2/NDF: 7789288.0/22

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 234.542+/-163.026 χ^2/NDF:3.1/4

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

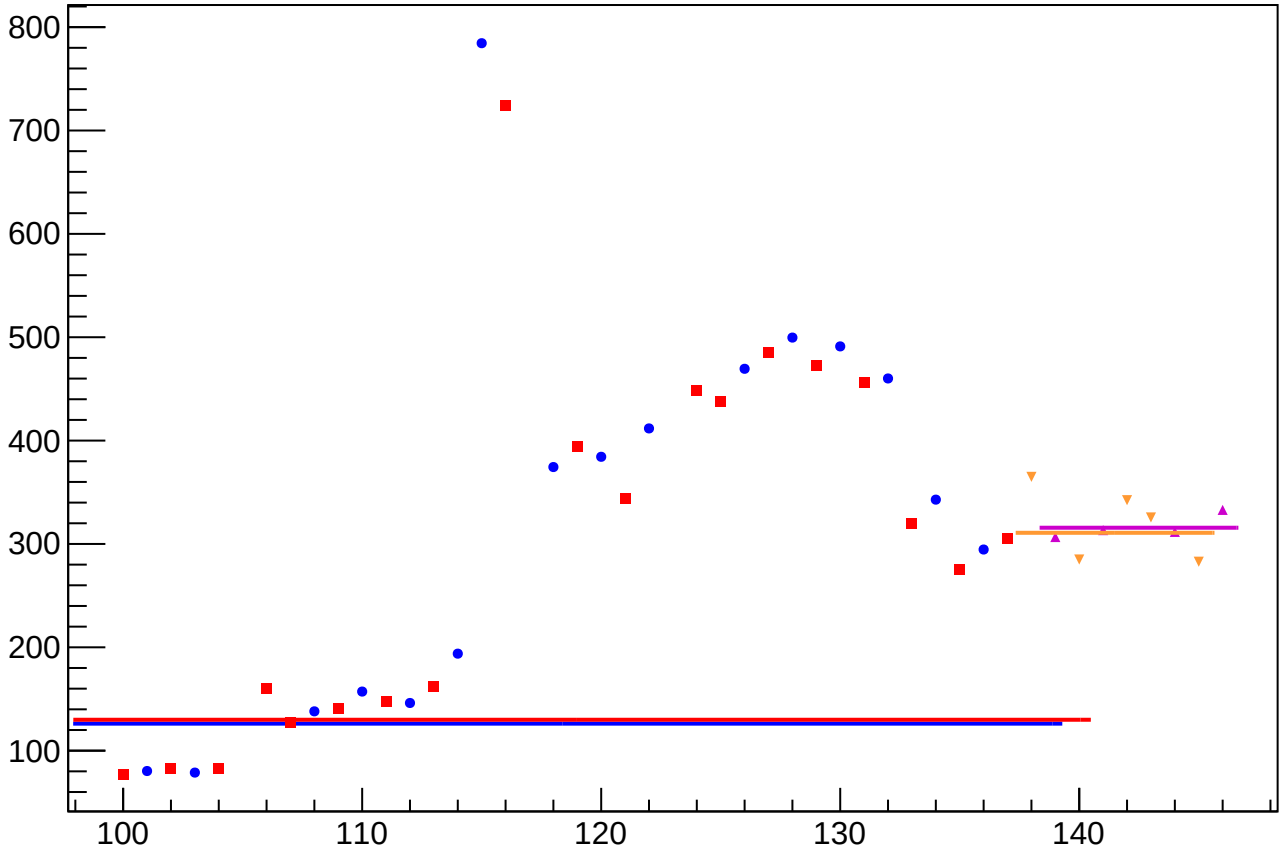
Left In: 391.523+/-169.488 χ^2/NDF:1.9/3

+ sign 87.050+/-55.619 χ^2/NDF: 19.9/20

All: 9.351+/-39.045 χ^2/NDF: 54.9/43

- sign -66.147+/-54.826 χ^2/NDF: 31.2/22

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 310.796+/-0.115 χ^2/NDF:74508.9/4

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

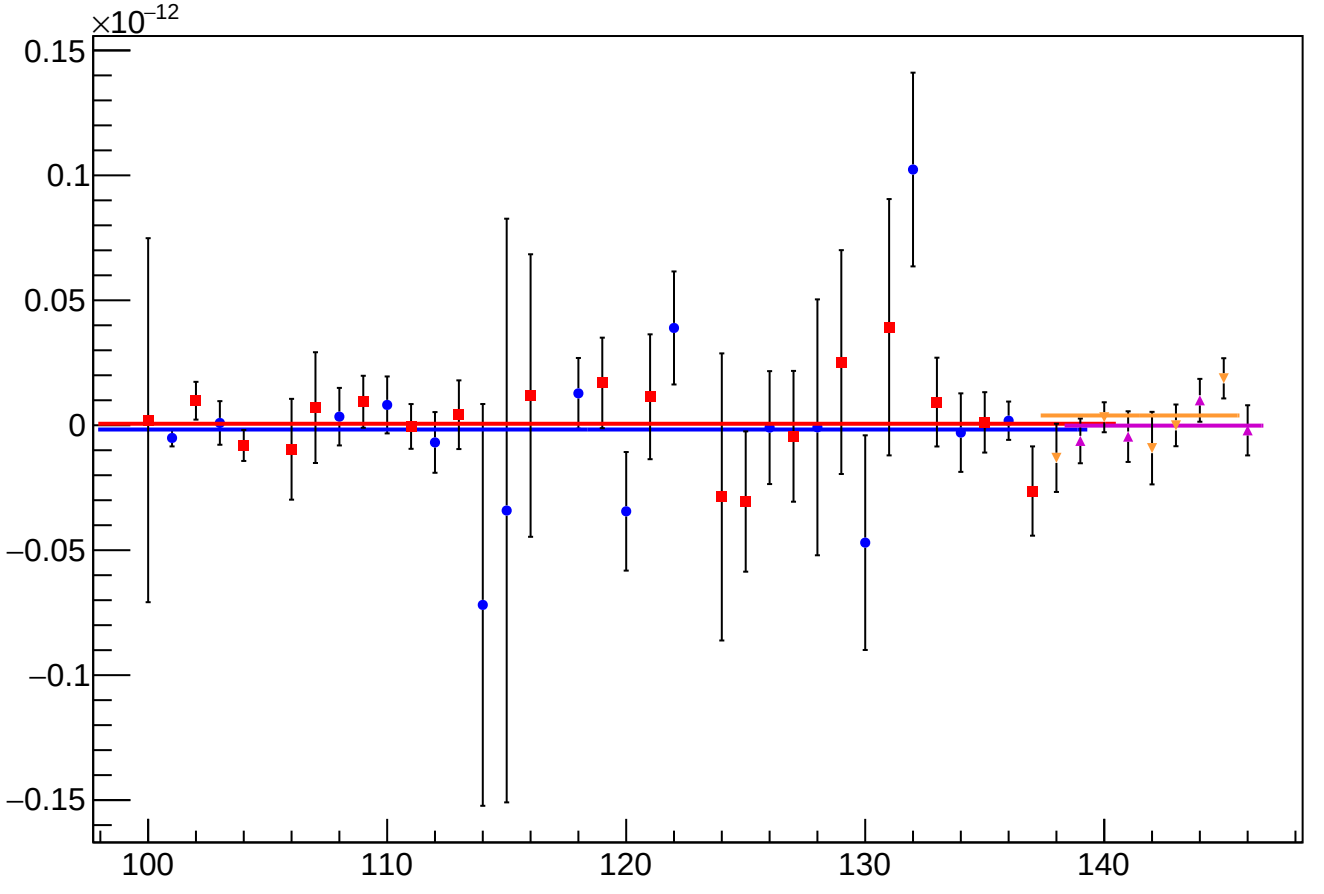
Left In: 315.699+/-0.120 χ^2/NDF:6540.9/3

+ sign 147.645+/-0.039 χ^2/NDF: 7561569.0/20

All: 148.512+/-0.028 χ^2/NDF: 14368379.0/43

- sign 149.355+/-0.039 χ^2/NDF: 6805851.7/22

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/4

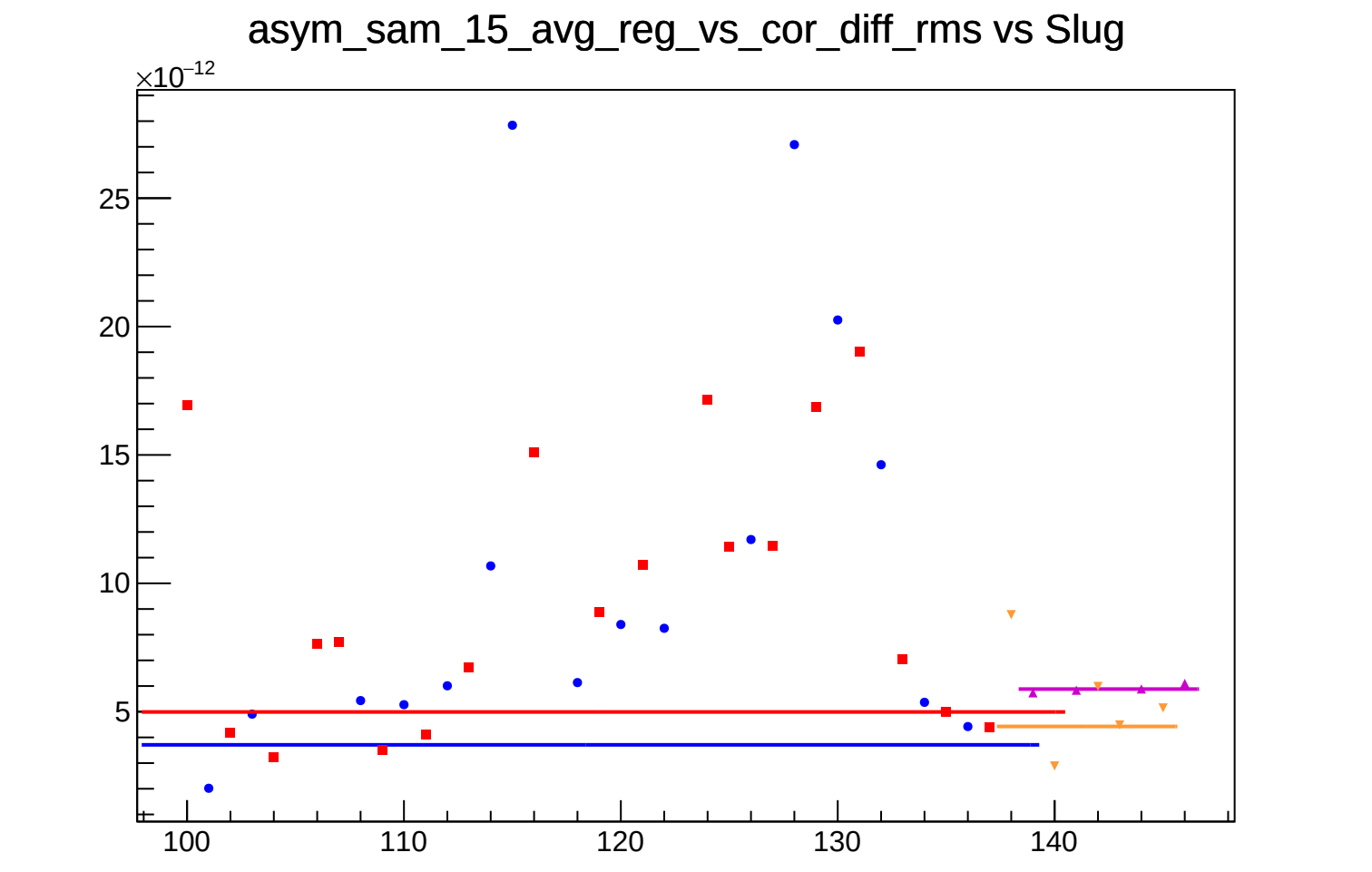
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/3

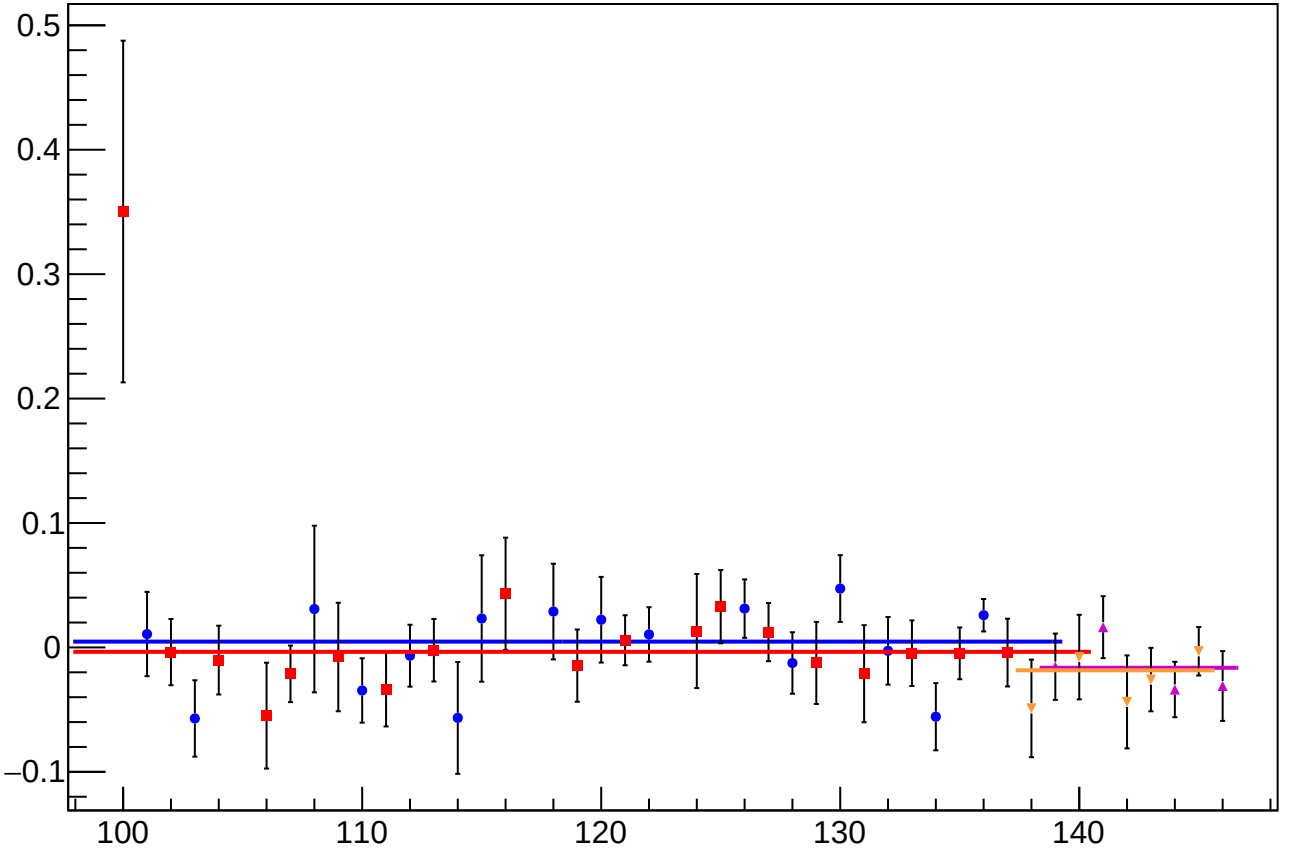
+ sign -0.000+/-0.000 χ^2/NDF: 25.3/20

All: 0.000+/-0.000 χ^2/NDF: 37.9/43

- sign 0.000+/-0.000 χ^2/NDF: 12.6/22


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:374129.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1546.9/3
+ sign 0.000+/-0.000 χ²/NDF: 2595050.0/20
All: 0.000+/-0.000 χ²/NDF: 4258988.7/43
- sign 0.000+/-0.000 χ²/NDF: 1346328.5/22

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: -0.018+/-0.012 χ^2/NDF:1.9/4

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

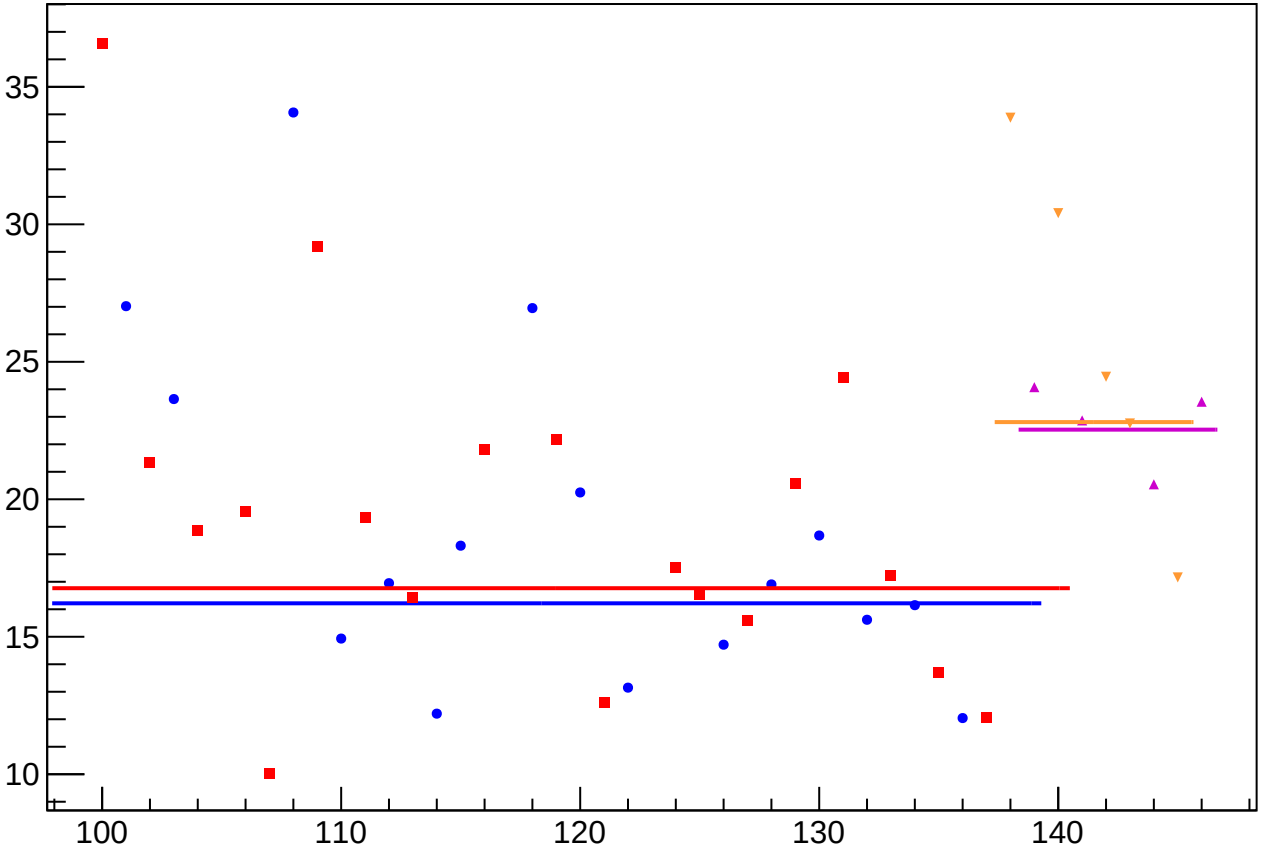
Left In: -0.016+/-0.013 χ^2/NDF:2.6/3

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/20

All: -0.003+/-0.004 χ^2/NDF: 43.6/43

- sign -0.006+/-0.006 χ^2/NDF: 17.0/22

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: 22.808+/-0.009 χ^2/NDF:431586.6/4

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

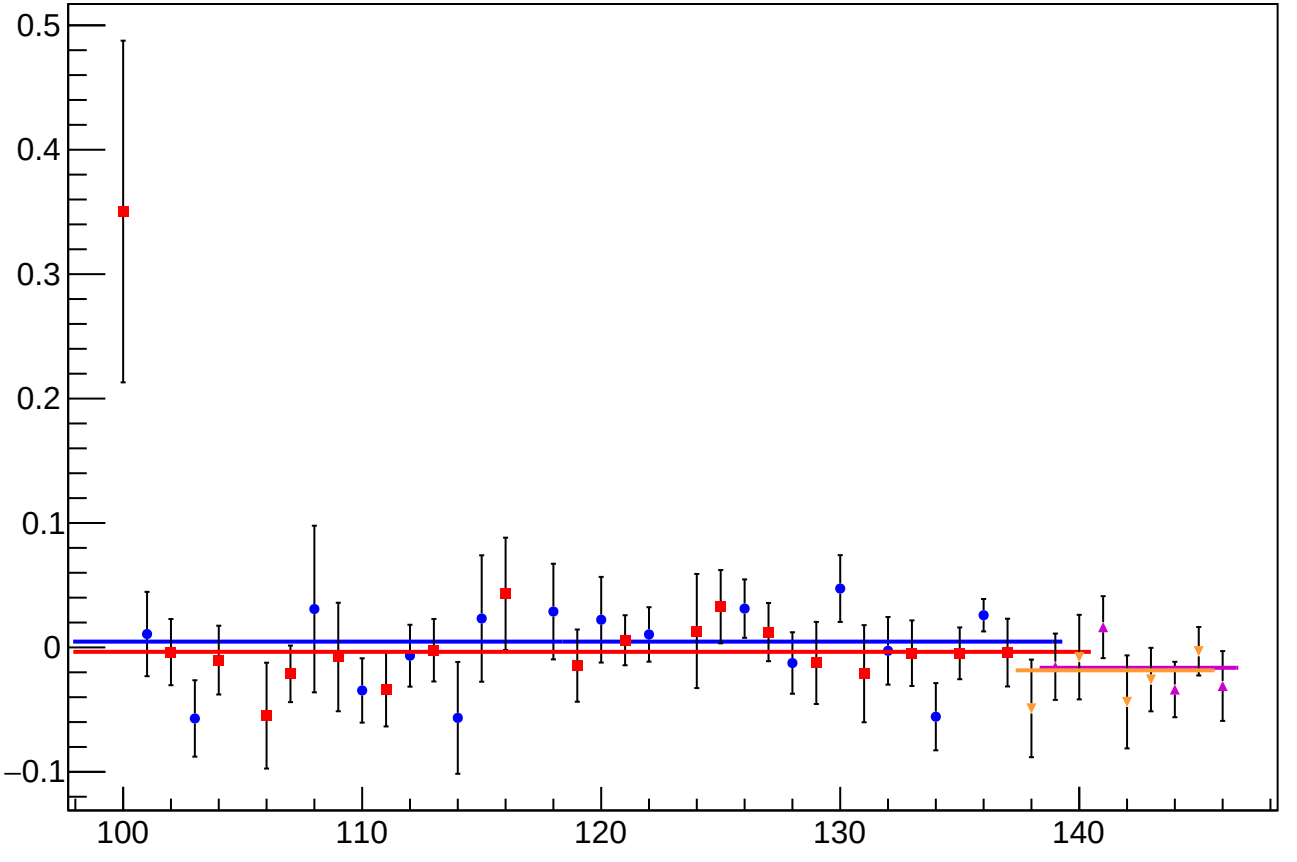
Left In: 22.533+/-0.009 χ^2/NDF:25645.7/3

+ sign 17.642+/-0.004 χ^2/NDF: 1811568.0/20

All: 17.828+/-0.003 χ^2/NDF: 3036473.8/43

- sign 18.017+/-0.004 χ^2/NDF: 1220798.6/22

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.018+/-0.012 χ^2/NDF:1.9/4

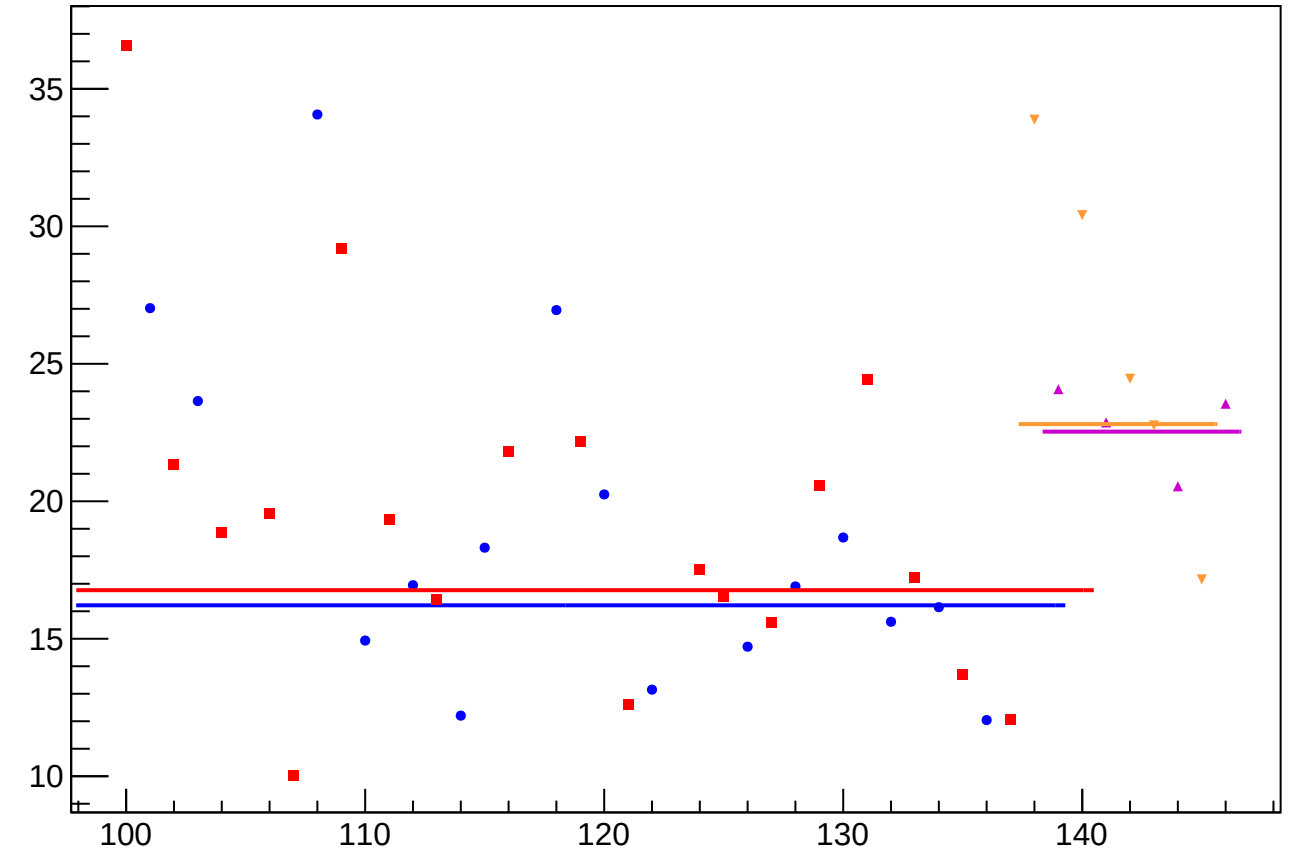
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.016+/-0.013 χ^2/NDF:2.6/3

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/20

All: -0.003+/-0.004 χ^2/NDF: 43.6/43

- sign -0.006+/-0.006 χ^2/NDF: 17.0/22



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 22.808+/-0.009 χ^2/NDF:431586.6/4

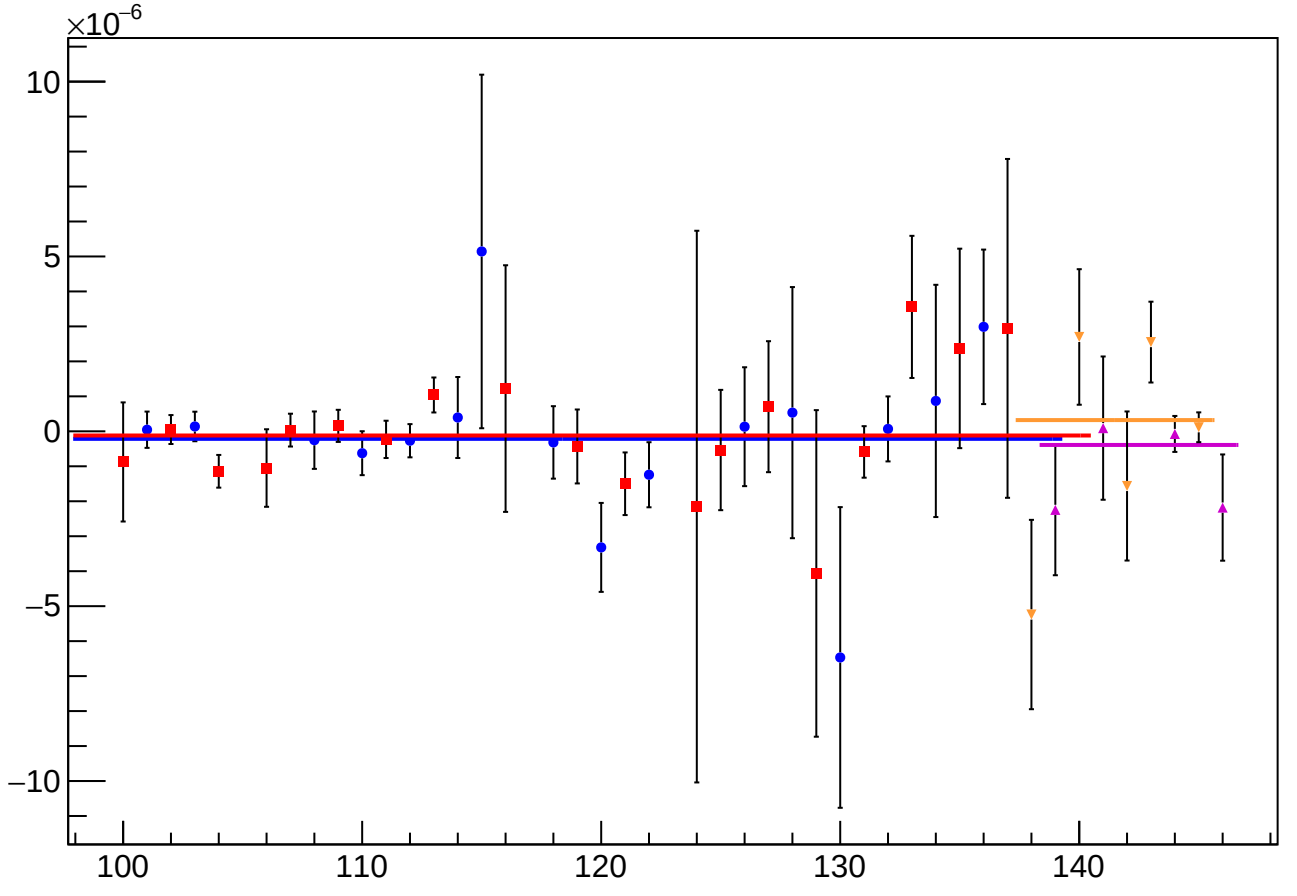
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.533+/-0.009 χ^2/NDF:25645.7/3

+ sign 17.642+/-0.004 χ^2/NDF: 1811568.0/20

All: 17.828+/-0.003 χ^2/NDF: 3036473.8/43

- sign 18.017+/-0.004 χ^2/NDF: 1220798.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/4

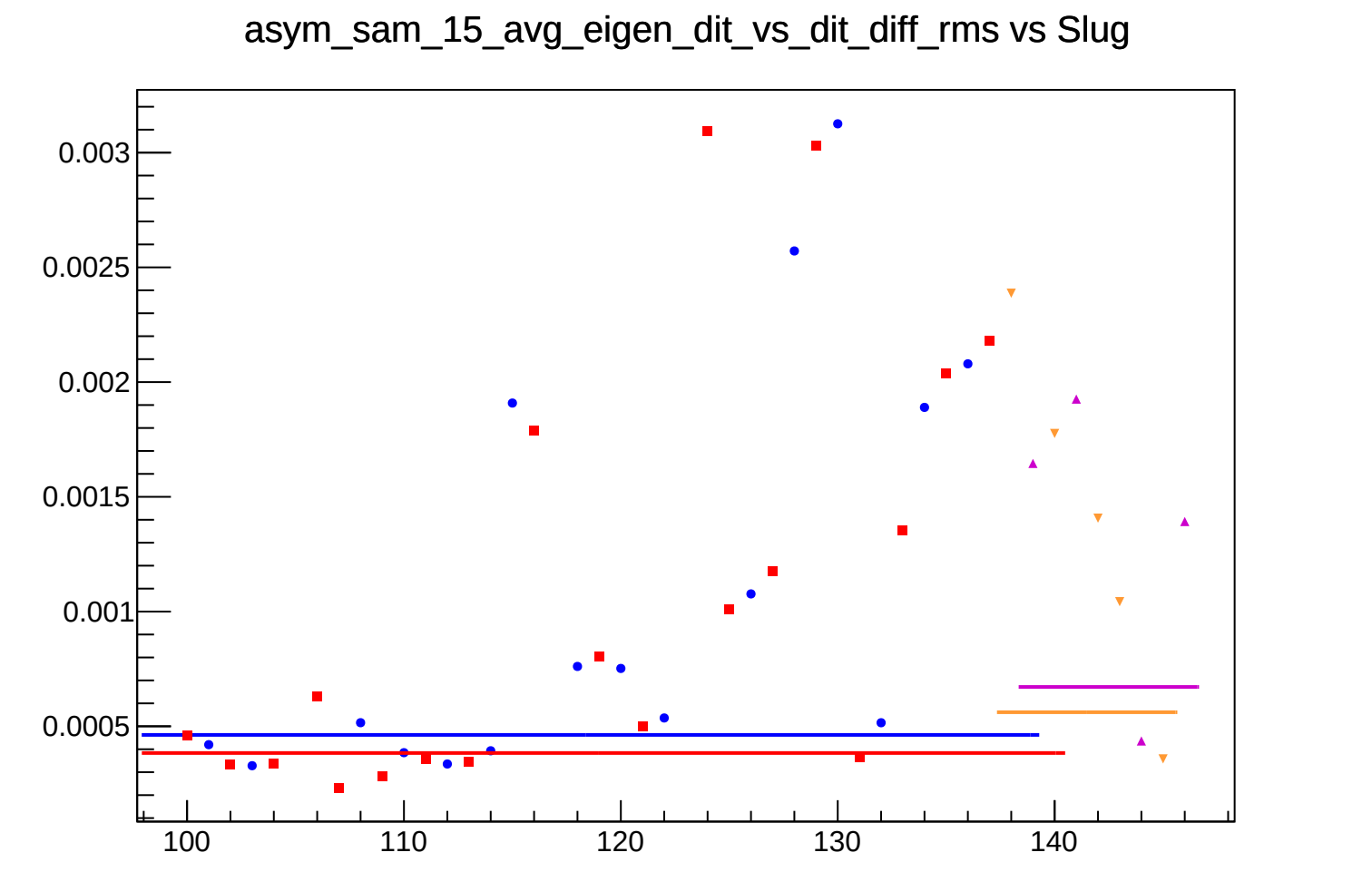
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/20

All: -0.000+/-0.000 χ^2/NDF: 49.9/43

- sign -0.000+/-0.000 χ^2/NDF: 23.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2813722.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

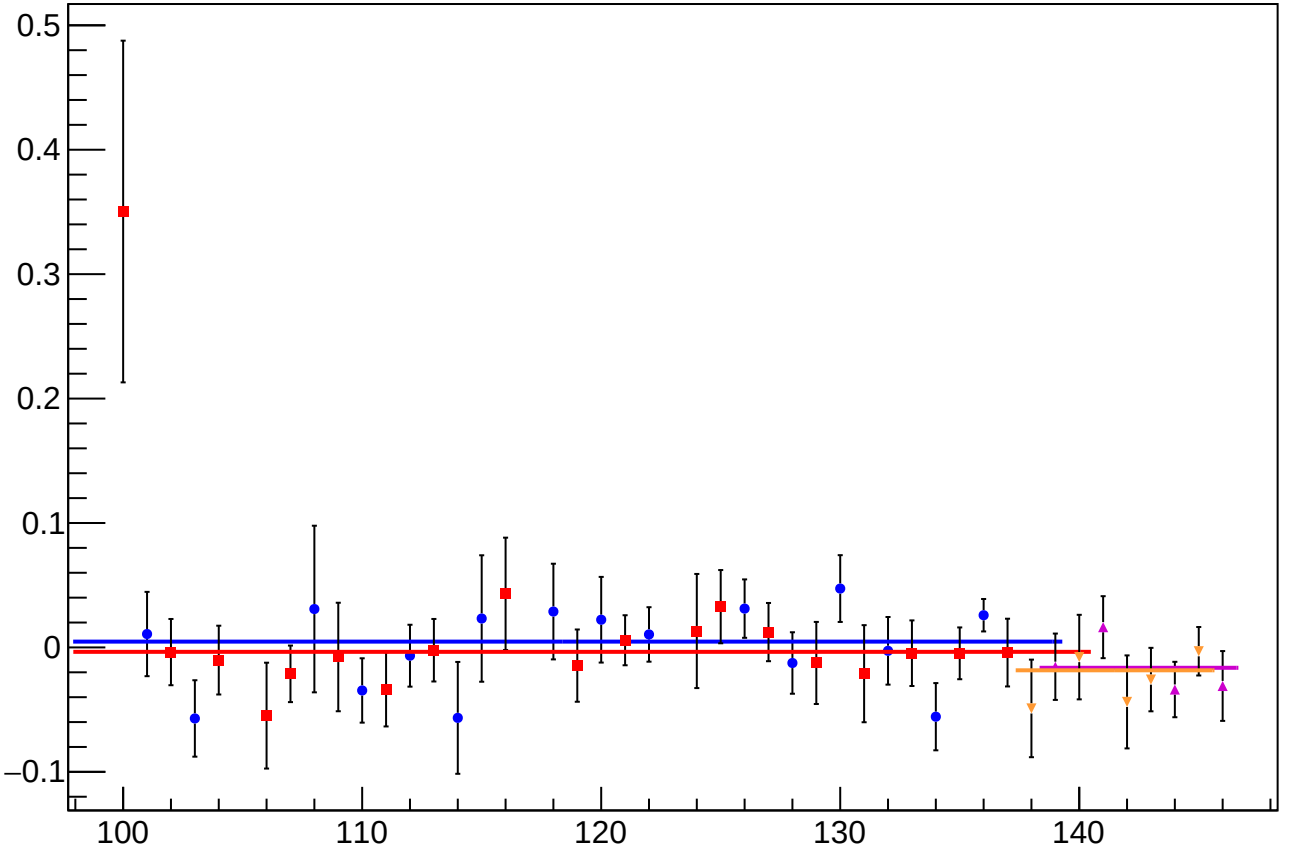
Left In: 0.001+/-0.000 χ^2/NDF:2162493.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 6933254.2/20

All: 0.000+/-0.000 χ^2/NDF: 13987594.7/43

- sign 0.000+/-0.000 χ^2/NDF: 6908291.5/22

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: -0.018+/-0.012 χ^2/NDF:1.9/4

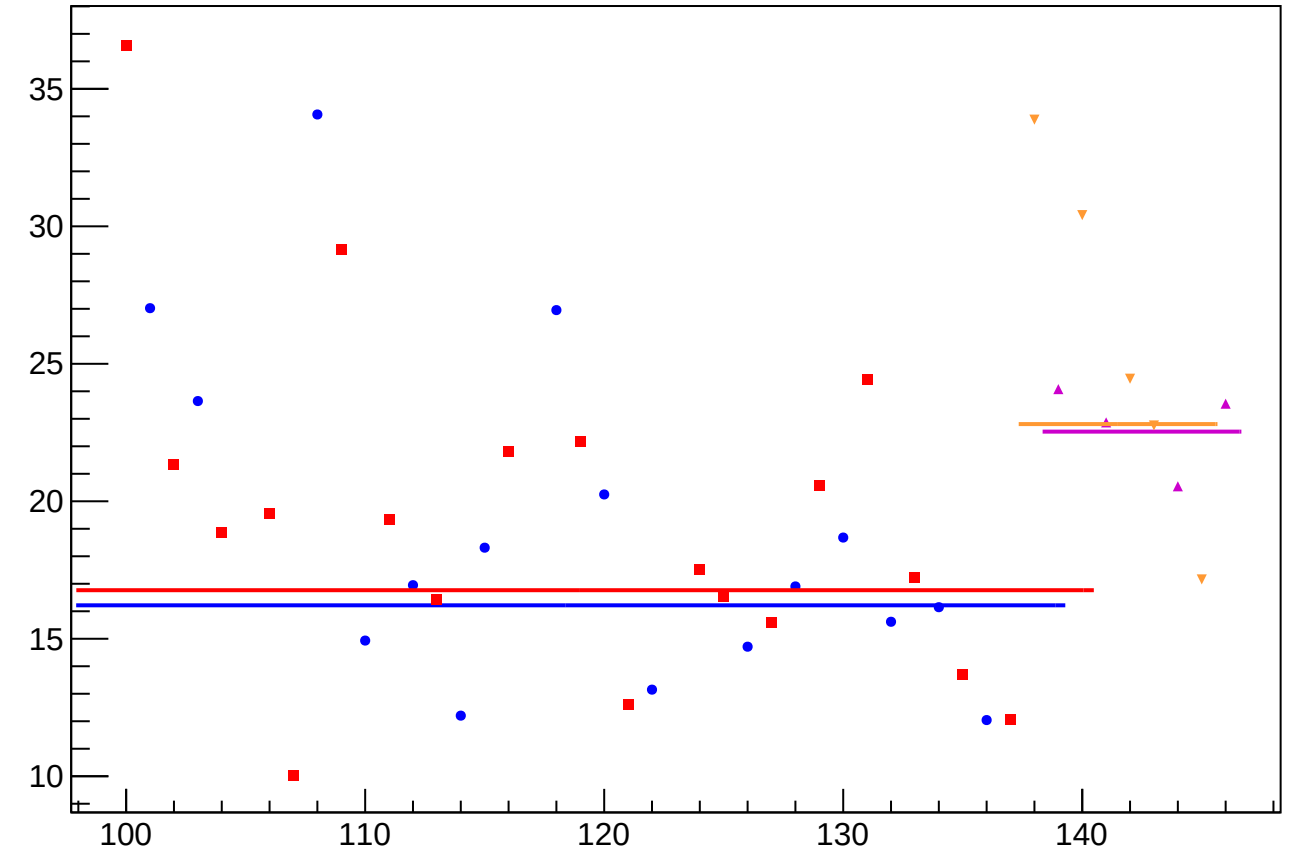
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.016+/-0.013 χ^2/NDF:2.6/3

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/20

All: -0.003+/-0.004 χ^2/NDF: 43.6/43

- sign -0.006+/-0.006 χ^2/NDF: 17.0/22



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 22.808+/-0.009 χ^2/NDF:431623.4/4

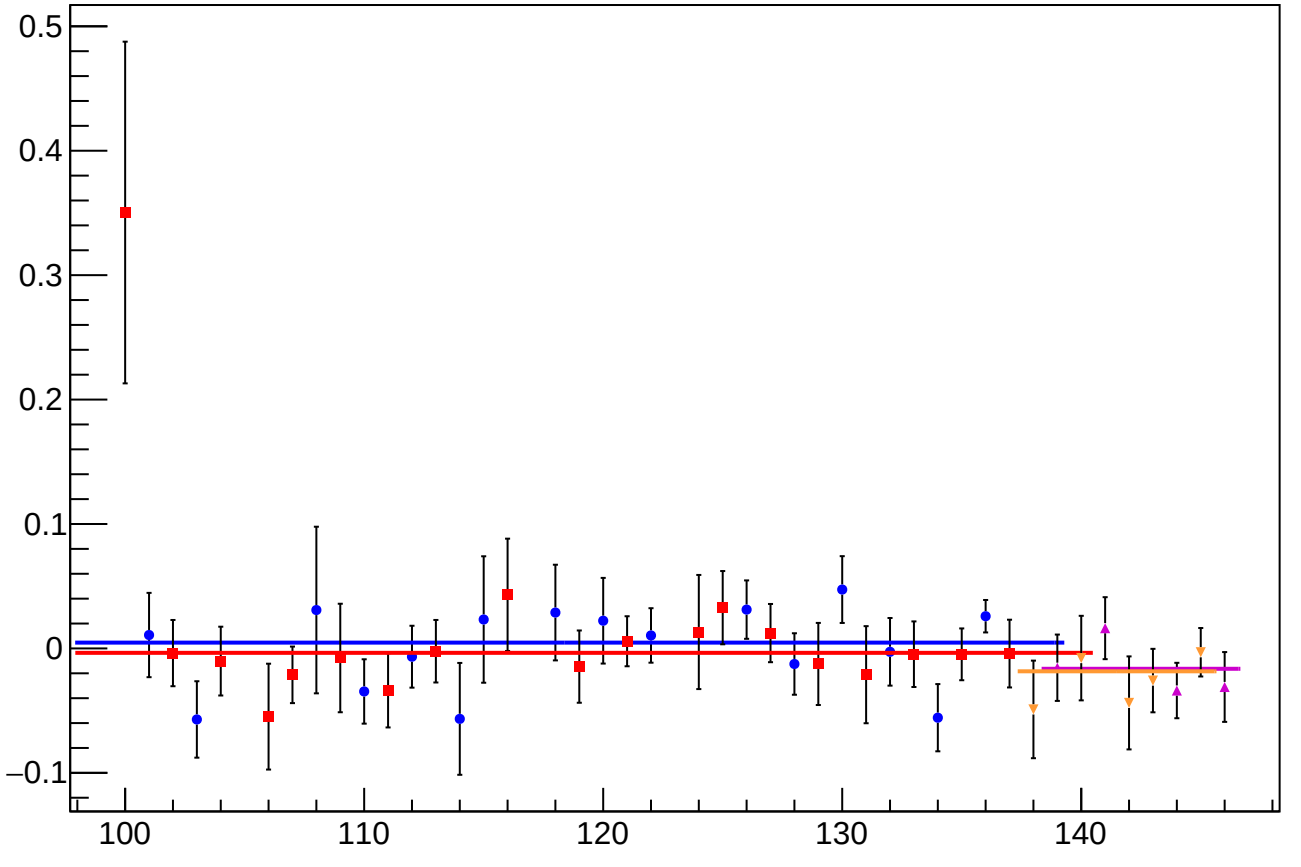
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.533+/-0.009 χ^2/NDF:25658.4/3

+ sign 17.642+/-0.004 χ^2/NDF: 1811615.1/20

All: 17.828+/-0.003 χ^2/NDF: 3036613.1/43

- sign 18.017+/-0.004 χ^2/NDF: 1220889.9/22



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.018+/-0.012 χ^2/NDF:1.9/4

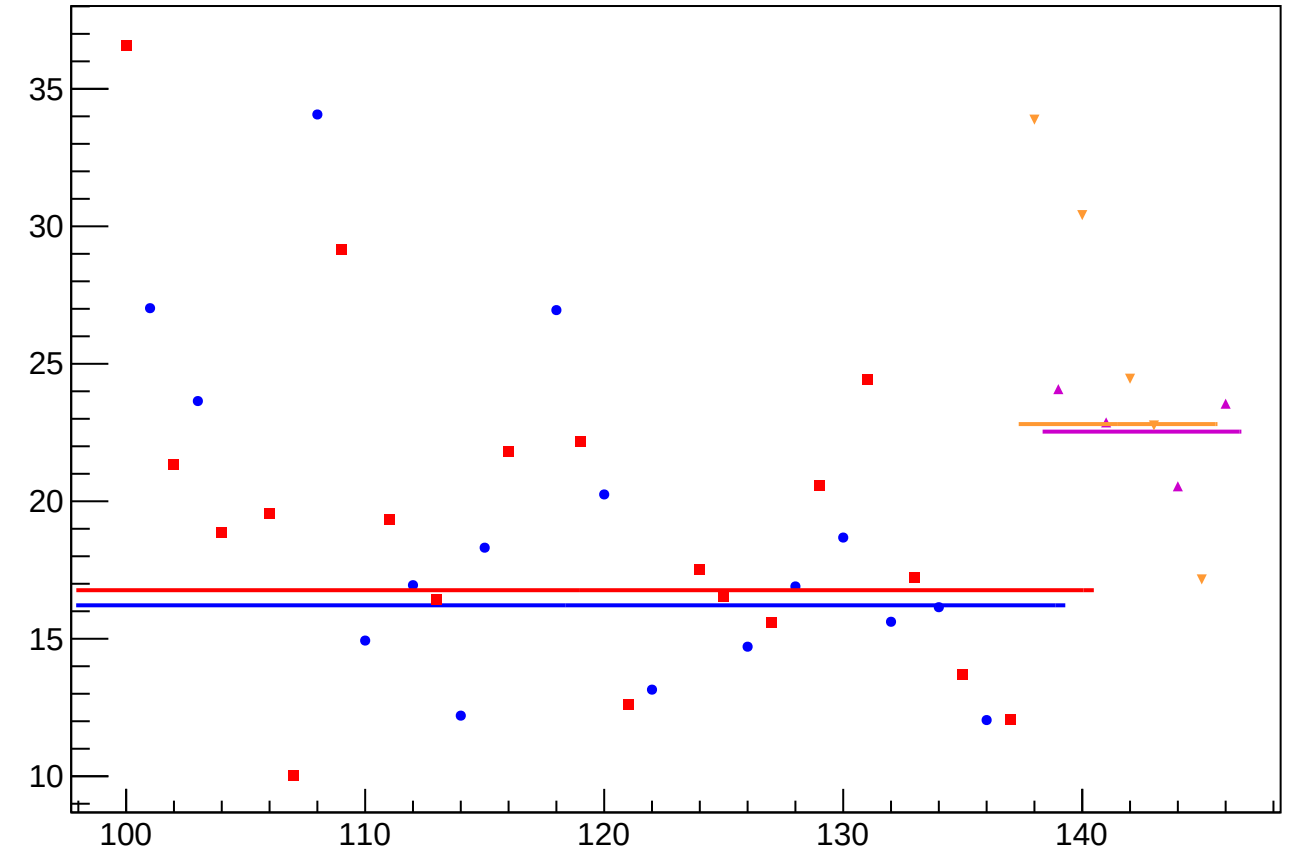
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.016+/-0.013 χ^2/NDF:2.6/3

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/20

All: -0.003+/-0.004 χ^2/NDF: 43.6/43

- sign -0.006+/-0.006 χ^2/NDF: 17.0/22



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 22.808+/-0.009 χ^2/NDF:431623.4/4

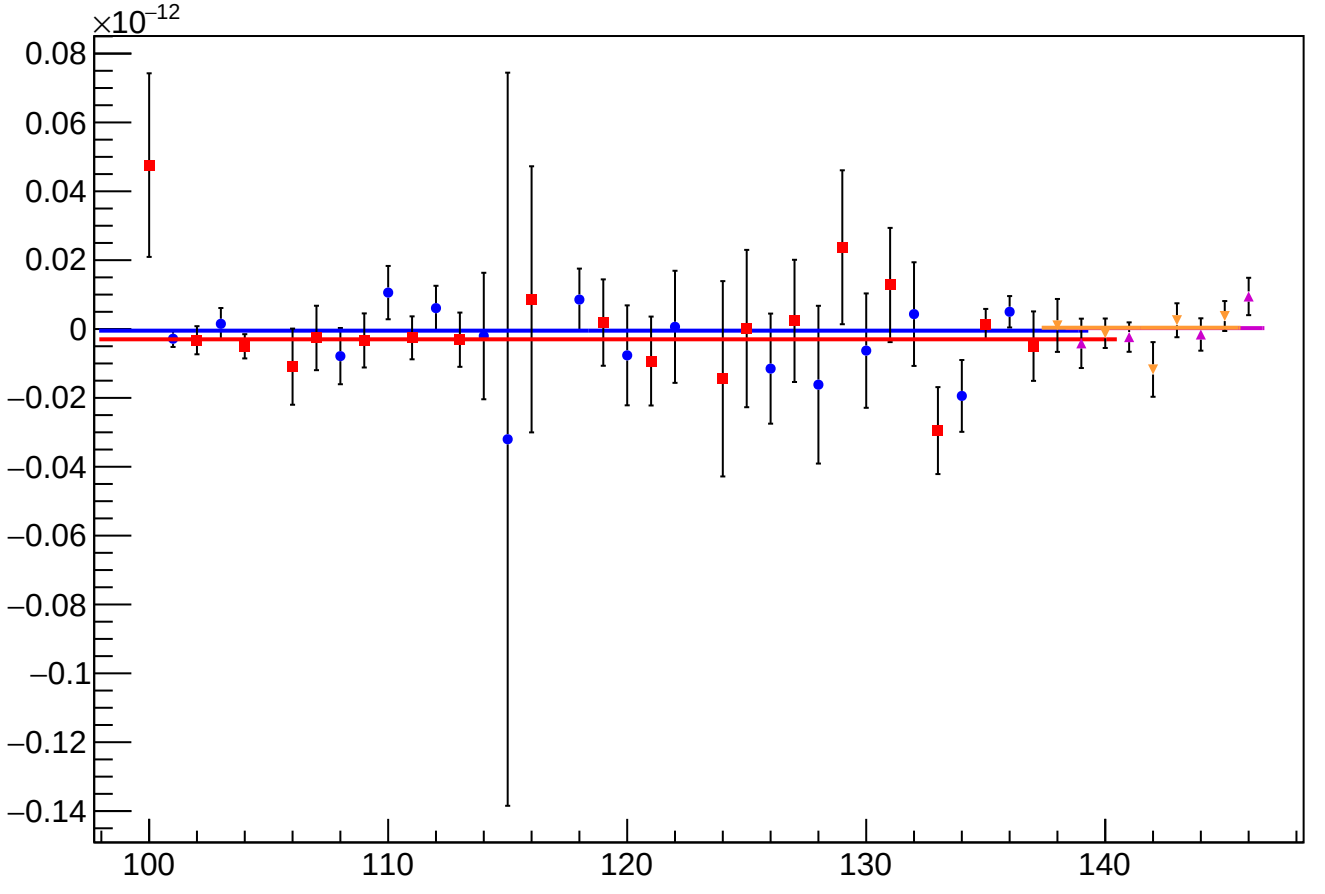
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.533+/-0.009 χ^2/NDF:25658.4/3

+ sign 17.642+/-0.004 χ^2/NDF: 1811615.1/20

All: 17.828+/-0.003 χ^2/NDF: 3036613.1/43

- sign 18.017+/-0.004 χ^2/NDF: 1220889.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/4

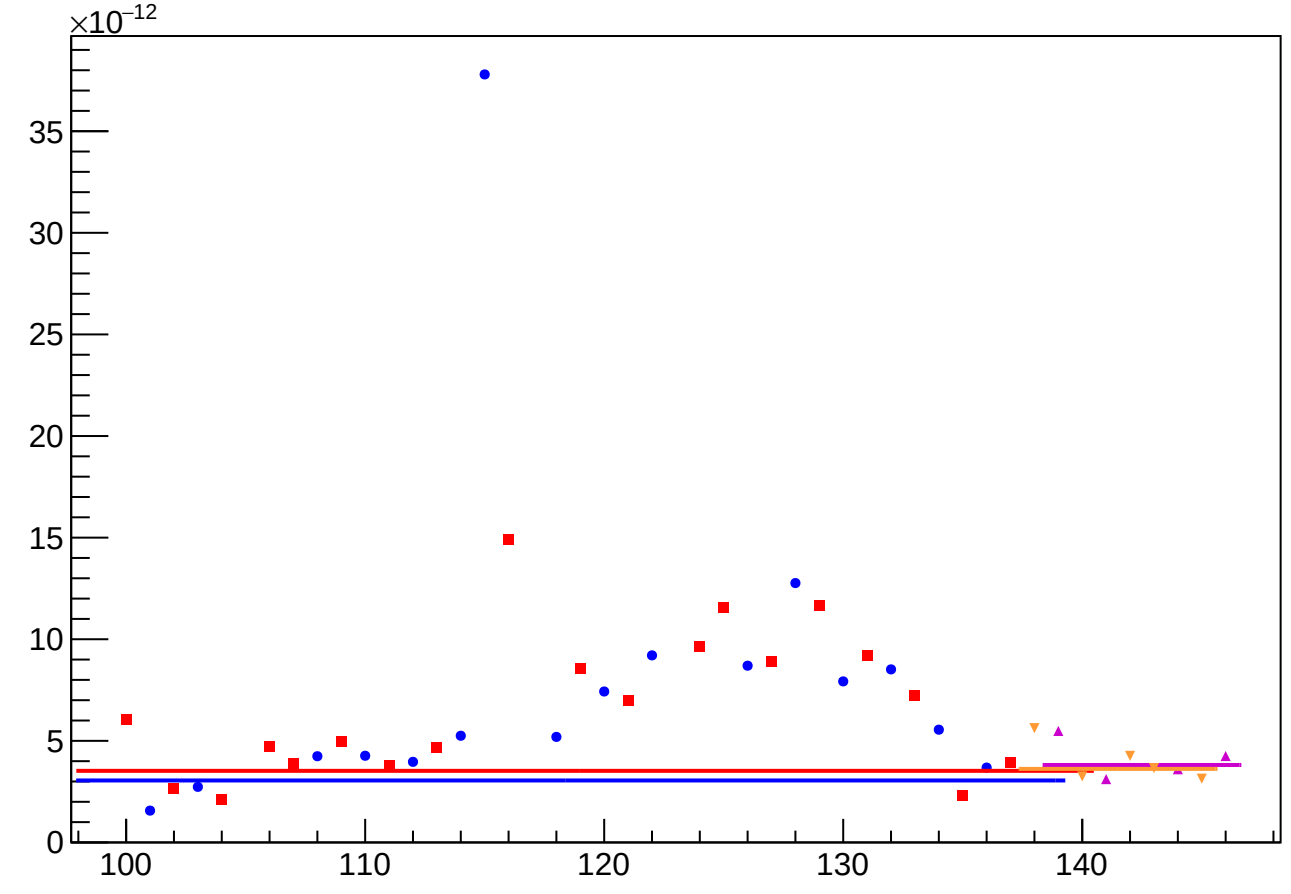
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 15.7/20

All: -0.000+/-0.000 χ^2/NDF: 34.3/43

- sign -0.000+/-0.000 χ^2/NDF: 17.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:188714.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

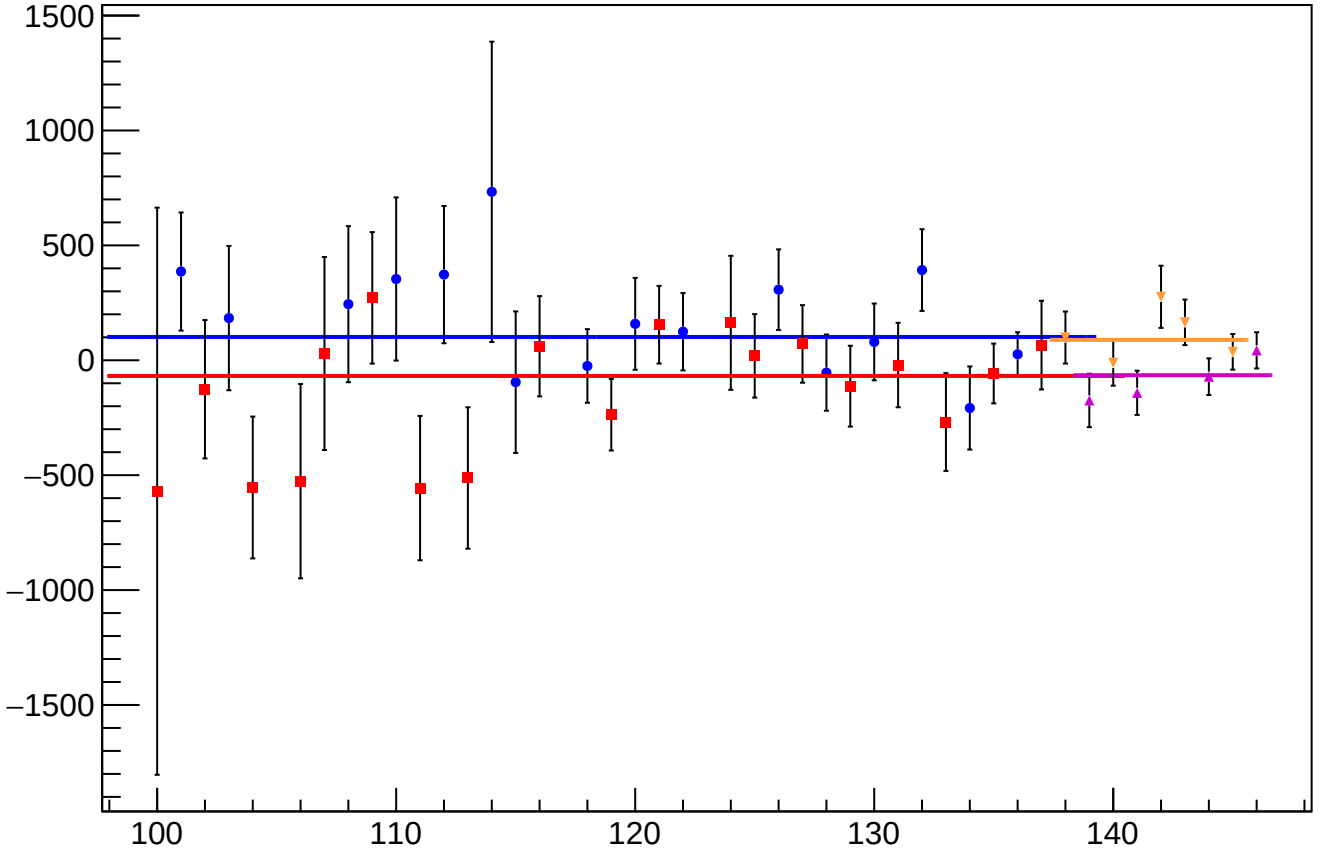
Left In: 0.000+/-0.000 χ^2/NDF:179305.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 3205238.4/20

All: 0.000+/-0.000 χ^2/NDF: 6034847.0/43

- sign 0.000+/-0.000 χ^2/NDF: 2755537.0/22

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 88.758+/-44.612 χ^2/NDF:4.0/4

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

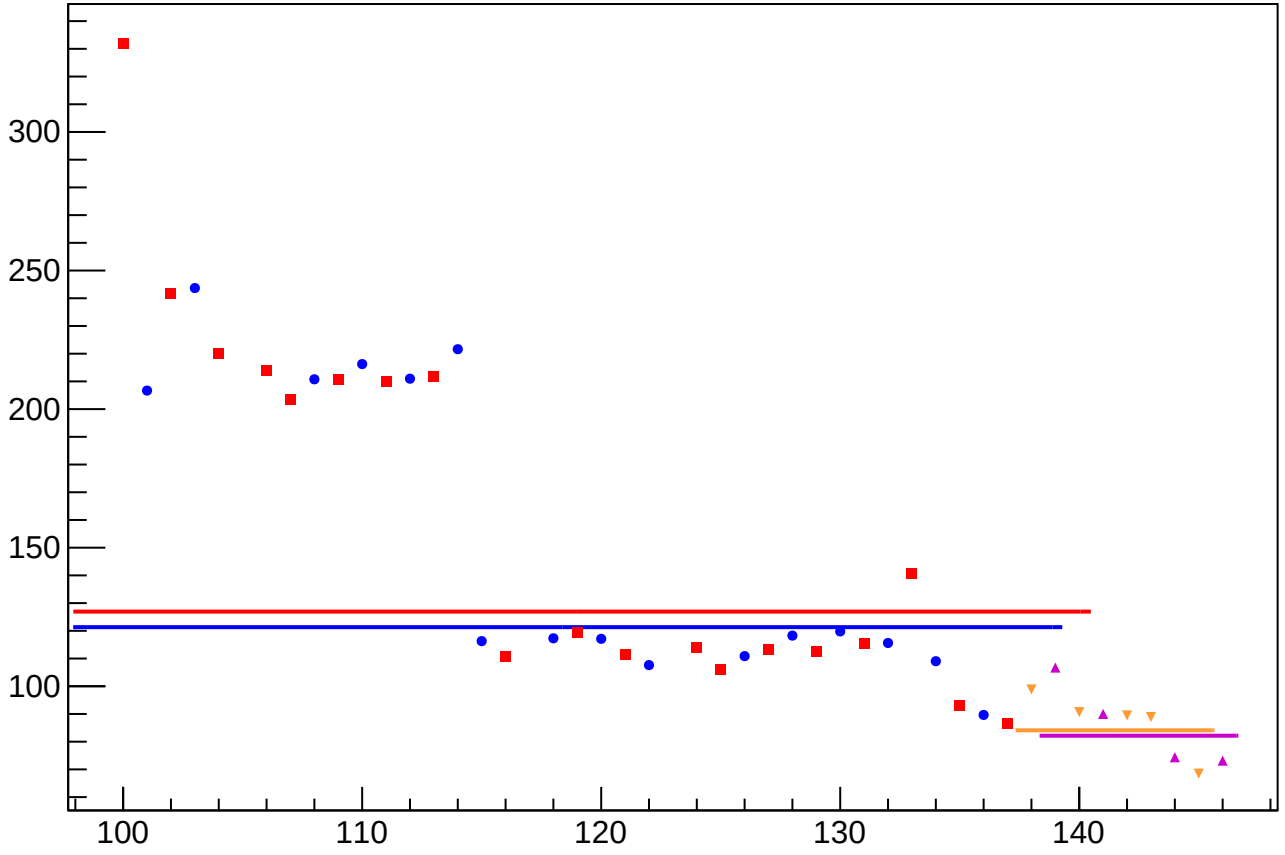
Left In: -64.999+/-44.688 χ^2/NDF:3.4/3

+ sign 94.694+/-32.560 χ^2/NDF: 17.4/20

All: 15.516+/-23.218 χ^2/NDF: 49.0/43

- sign -66.400+/-33.118 χ^2/NDF: 19.6/22

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 84.100+/-0.032 χ^2/NDF:131902.0/4

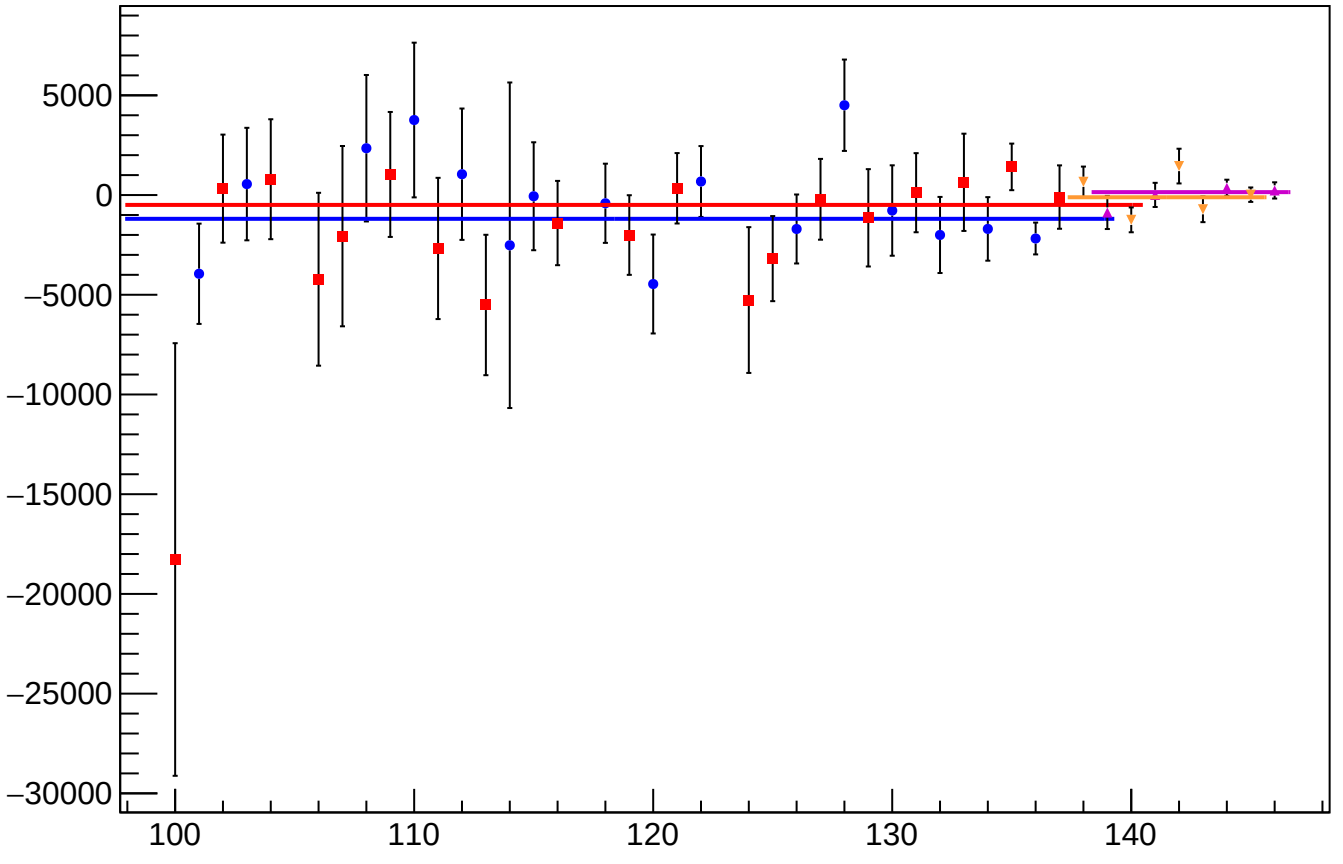
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

+ sign 101.496+/-0.023 χ^2/NDF: 2069297.6/20

All: 101.913+/-0.016 χ^2/NDF: 4595235.7/43

- sign 102.345+/-0.023 χ^2/NDF: 2525268.9/22



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -111.034+/-252.880 χ^2/NDF:8.6/4

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

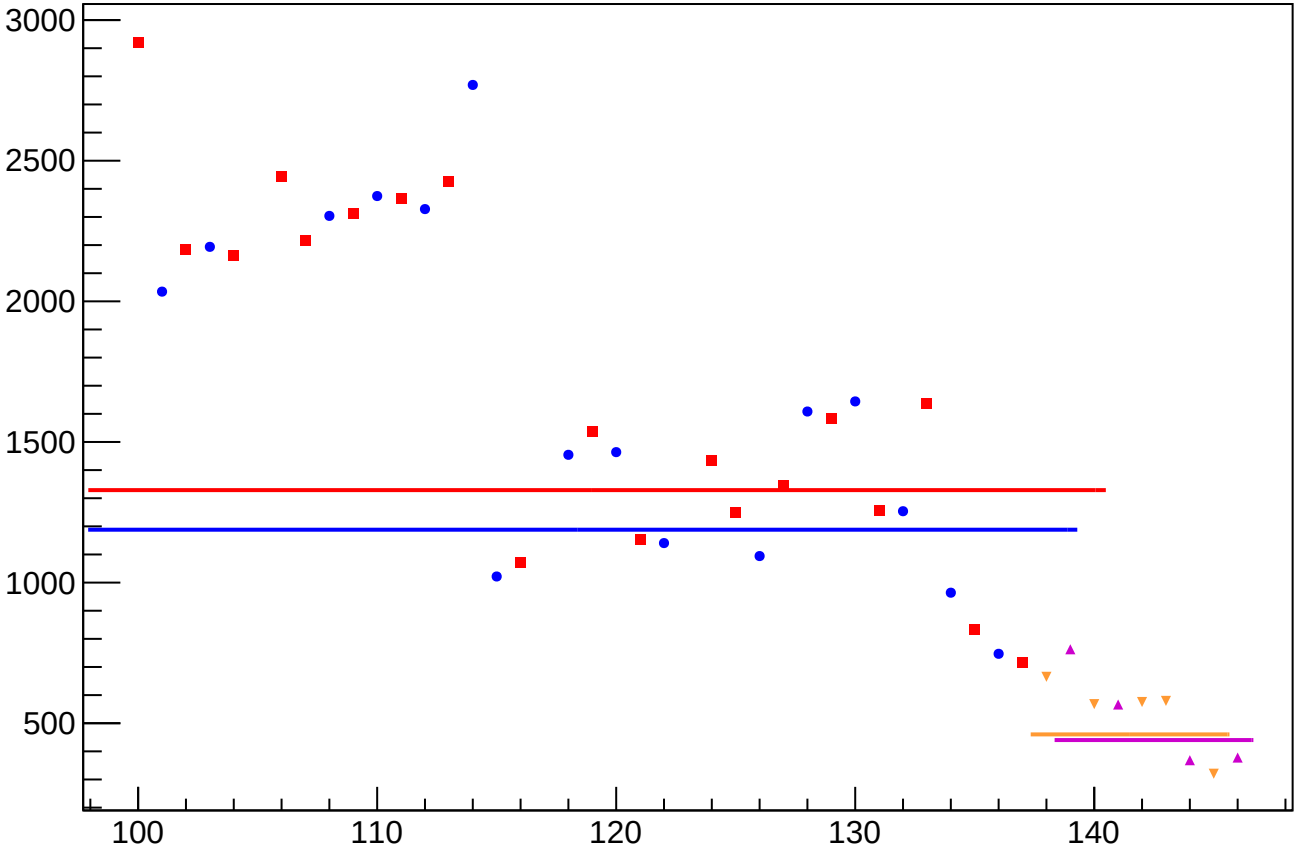
Left In: 145.851+/-247.526 χ^2/NDF:1.9/3

+ sign -346.753+/-223.619 χ^2/NDF: 28.5/20

All: -159.298+/-158.128 χ^2/NDF: 46.9/43

- sign 28.185+/-223.636 χ^2/NDF: 17.0/22

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 460.302+/-0.179 χ^2/NDF:604391.1/4

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

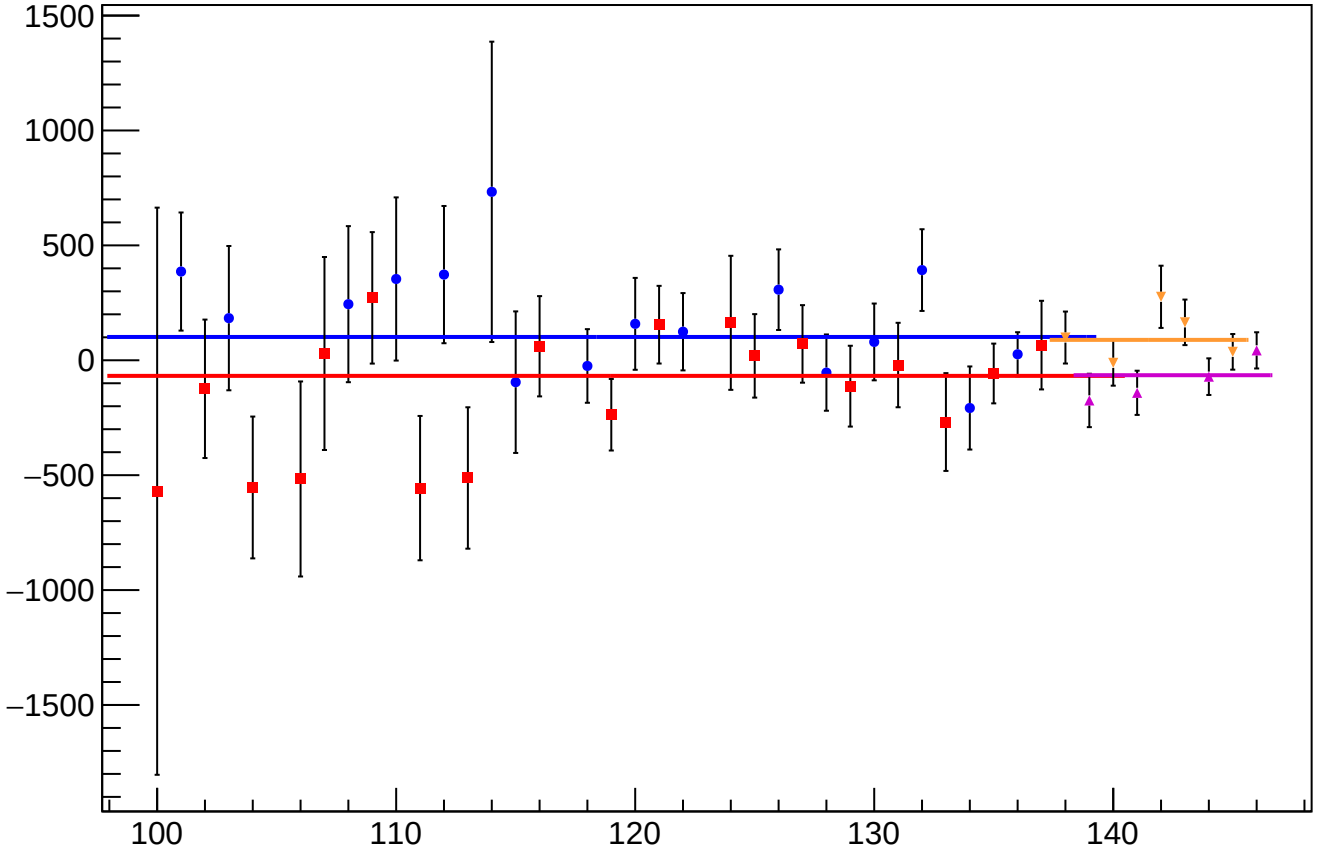
Left In: 440.184+/-0.175 χ^2/NDF:498901.6/3

+ sign 618.976+/-0.158 χ^2/NDF: 6260647.5/20

All: 611.209+/-0.112 χ^2/NDF: 13457806.2/43

- sign 603.440+/-0.158 χ^2/NDF: 7192331.9/22

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 88.759+/-44.612 χ^2/NDF:4.0/4

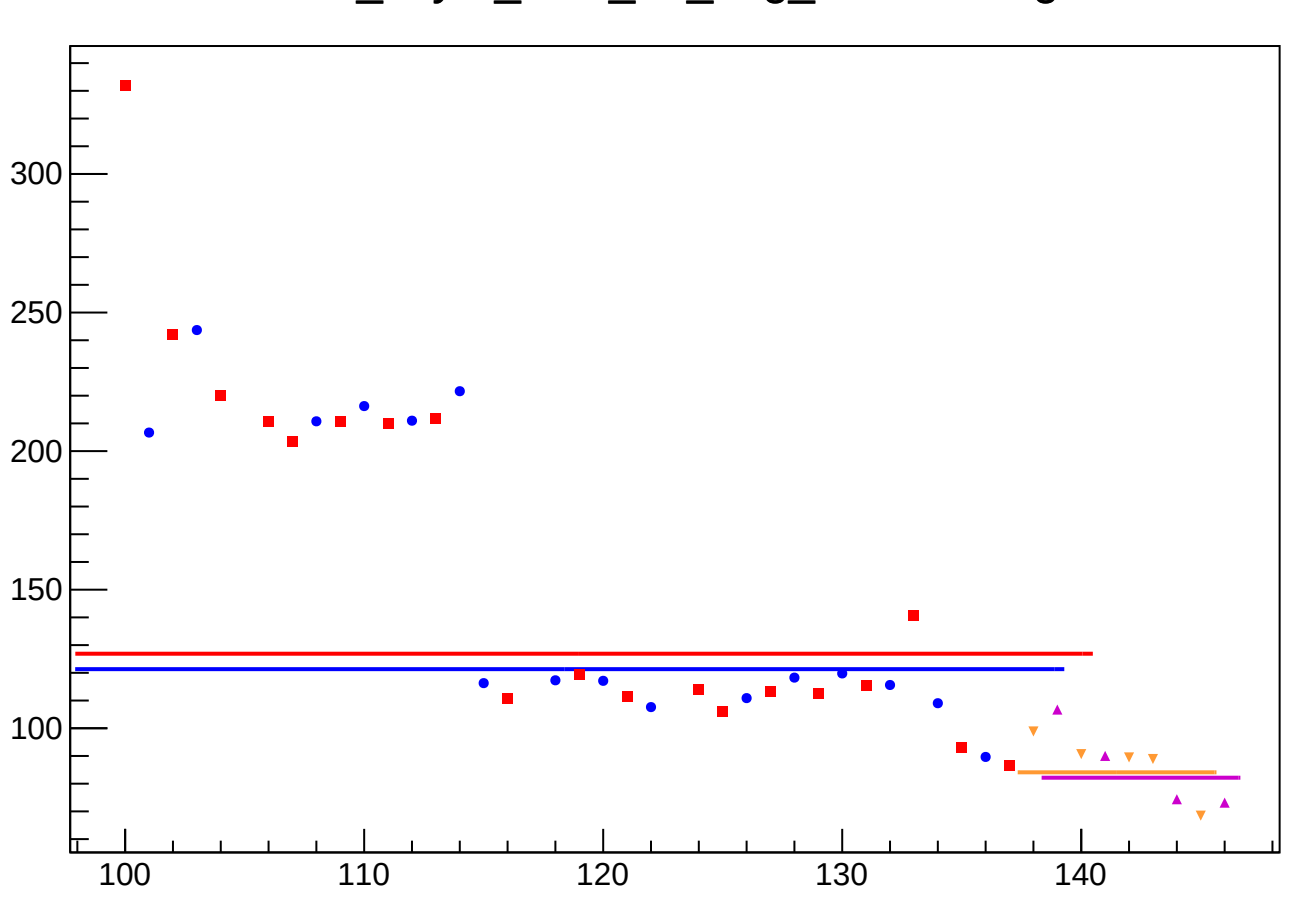
Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: -65.002+/-44.688 χ^2/NDF:3.4/3

+ sign 94.688+/-32.560 χ^2/NDF: 17.4/20

All: 15.565+/-23.219 χ^2/NDF: 48.9/43

- sign -66.300+/-33.119 χ^2/NDF: 19.5/22



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 84.100+/-0.032 χ^2/NDF:131902.0/4

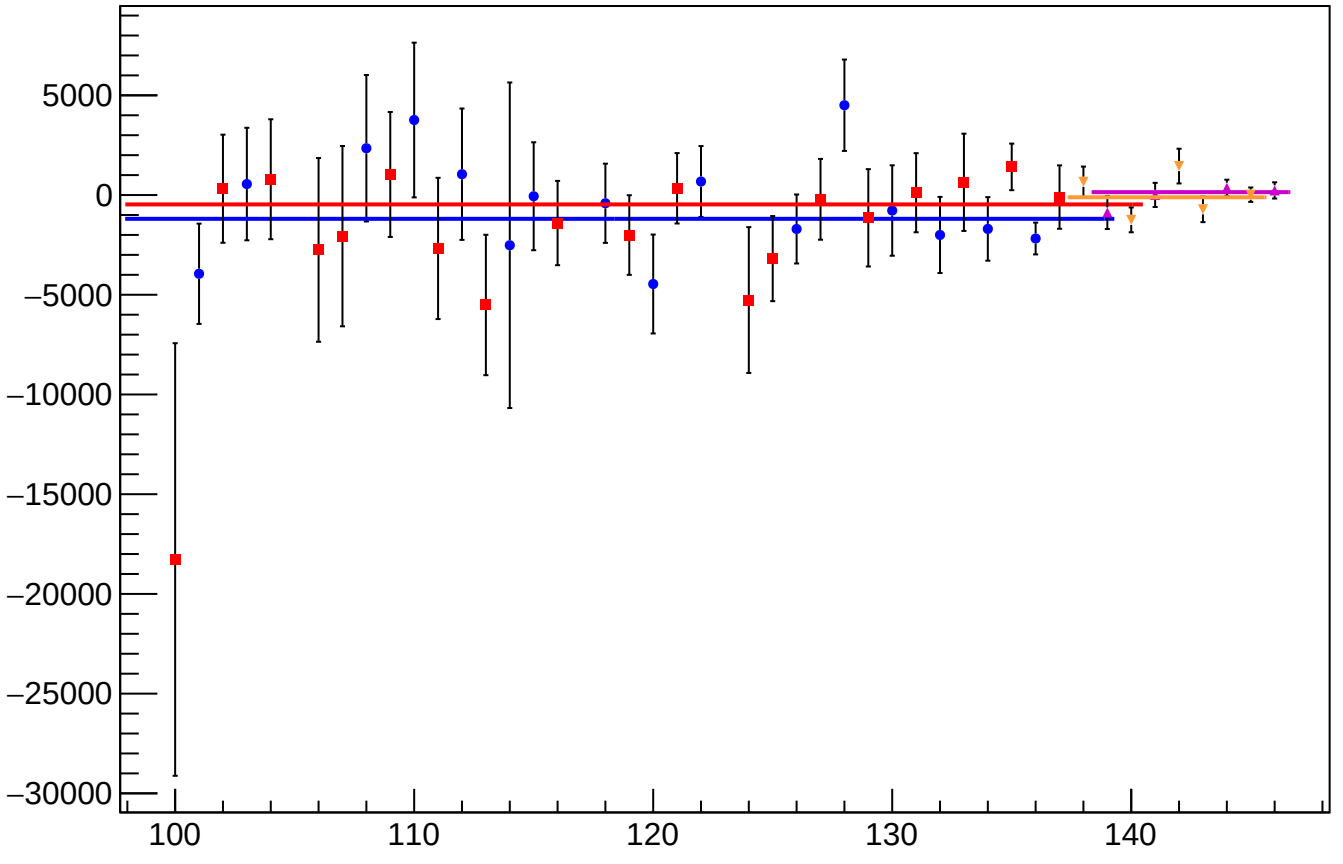
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

+ sign 101.496+/-0.023 χ^2/NDF: 2069299.9/20

All: 101.902+/-0.016 χ^2/NDF: 4587004.1/43

- sign 102.321+/-0.023 χ^2/NDF: 2517072.0/22



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -111.027+/-252.879 χ^2/NDF:8.6/4

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

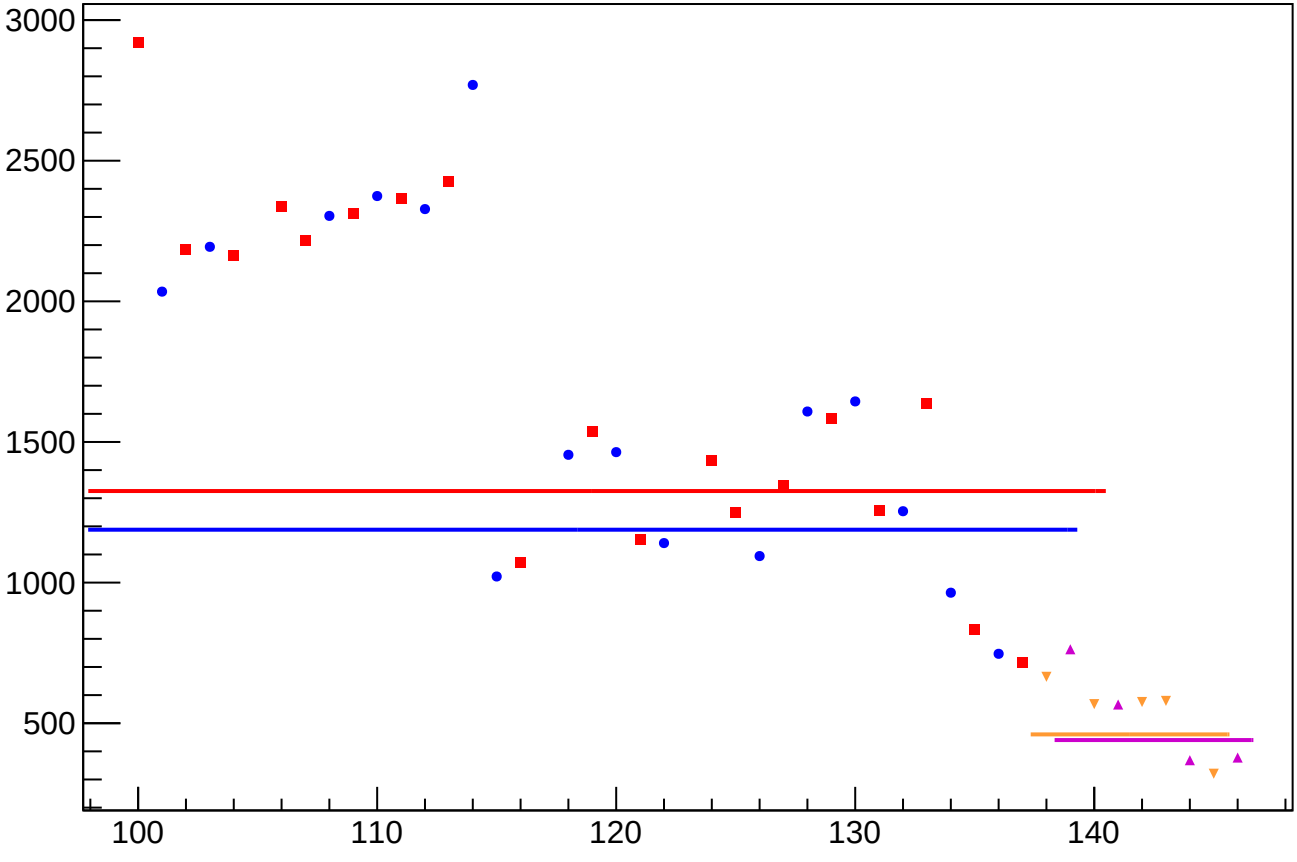
Left In: 145.843+/-247.526 χ^2/NDF:1.9/3

+ sign -346.741+/-223.619 χ^2/NDF: 28.5/20

All: -156.960+/-158.141 χ^2/NDF: 46.3/43

- sign 32.909+/-223.671 χ^2/NDF: 16.4/22

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 460.301+/-0.179 χ^2/NDF:604395.3/4

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

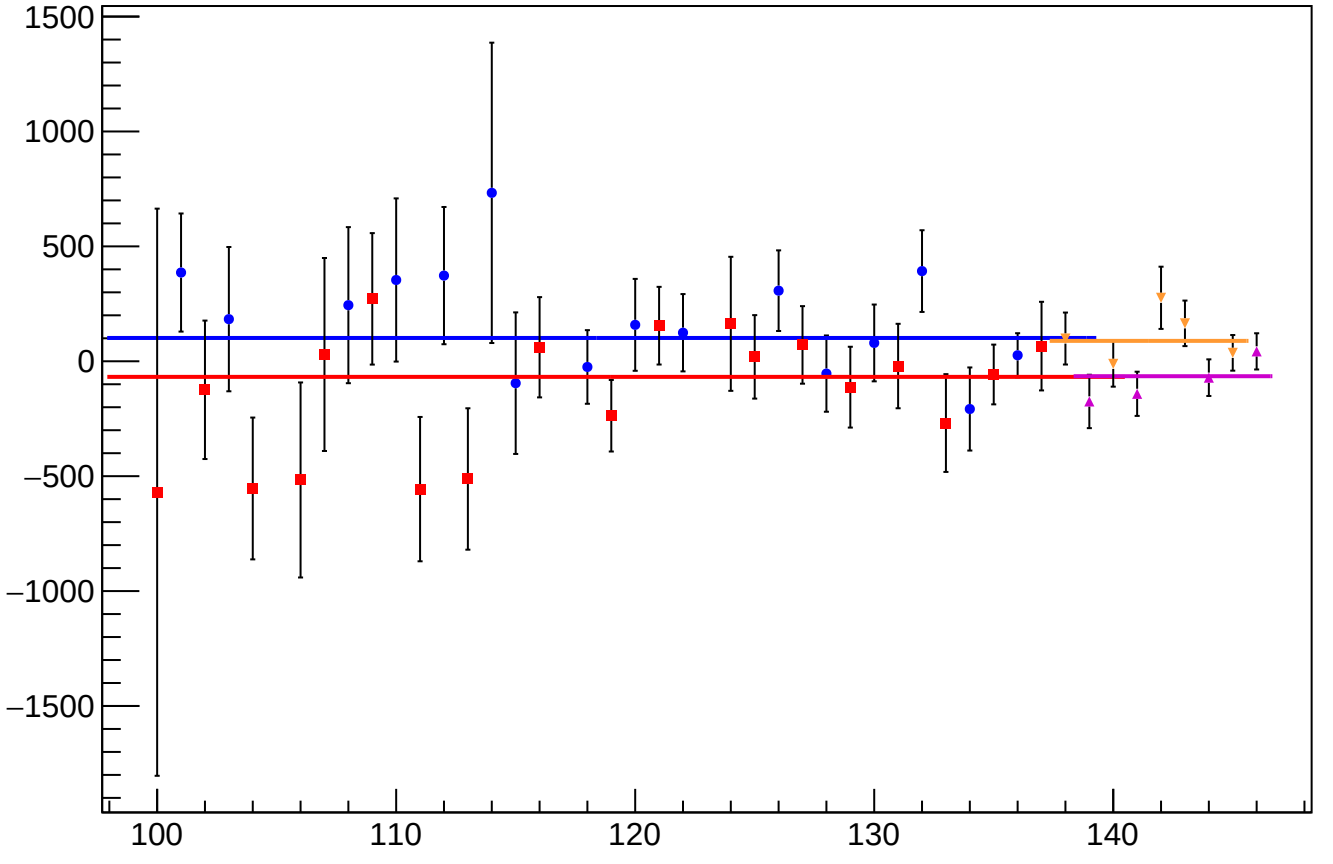
Left In: 440.183+/-0.175 χ^2/NDF:498902.7/3

+ sign 618.975+/-0.158 χ^2/NDF: 6260681.6/20

All: 610.797+/-0.112 χ^2/NDF: 13380419.3/43

- sign 602.614+/-0.158 χ^2/NDF: 7114386.2/22

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 88.759+/-44.612 χ^2/NDF:4.0/4

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

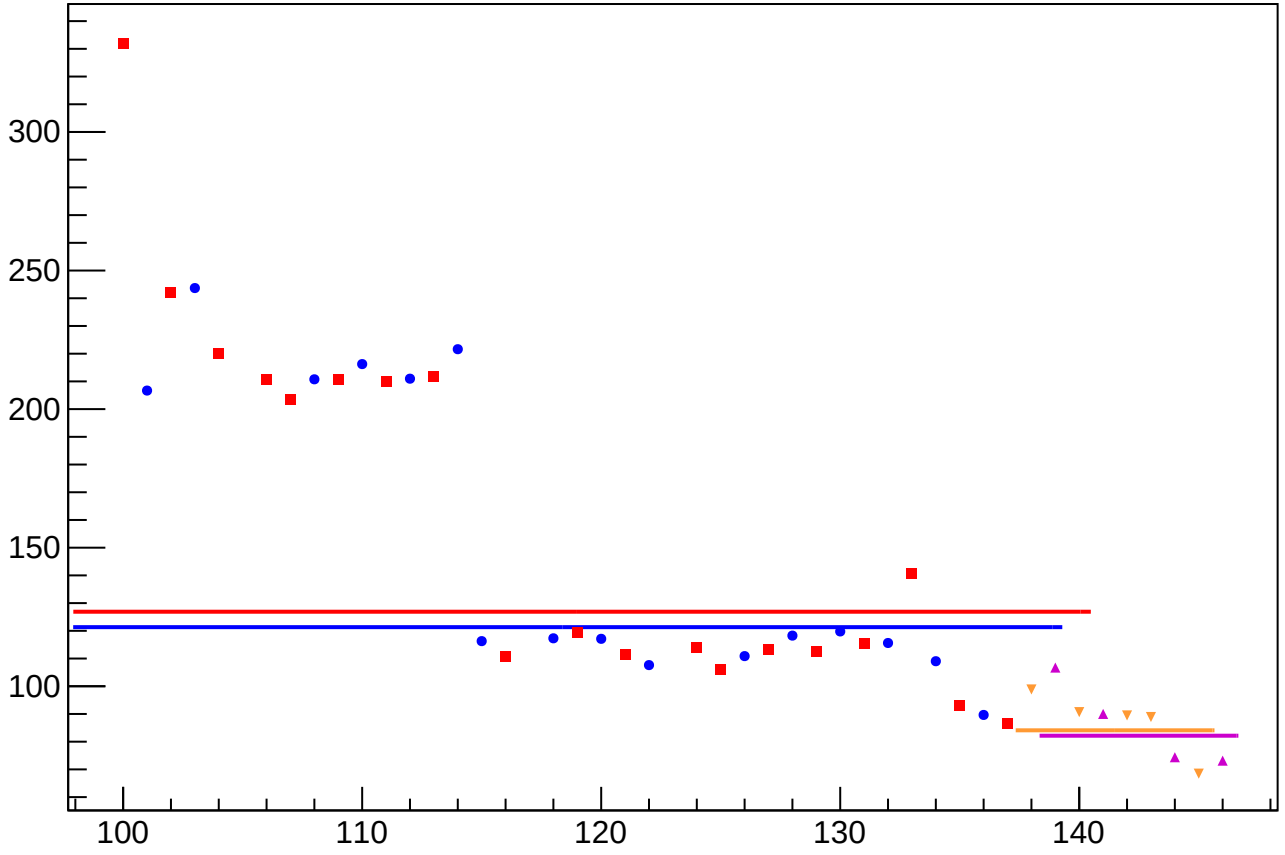
Left In: -65.002+/-44.688 χ^2/NDF:3.4/3

+ sign 94.688+/-32.560 χ^2/NDF: 17.4/20

All: 15.565+/-23.219 χ^2/NDF: 48.9/43

- sign -66.300+/-33.119 χ^2/NDF: 19.5/22

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 84.100+/-0.032 χ^2/NDF:131902.0/4

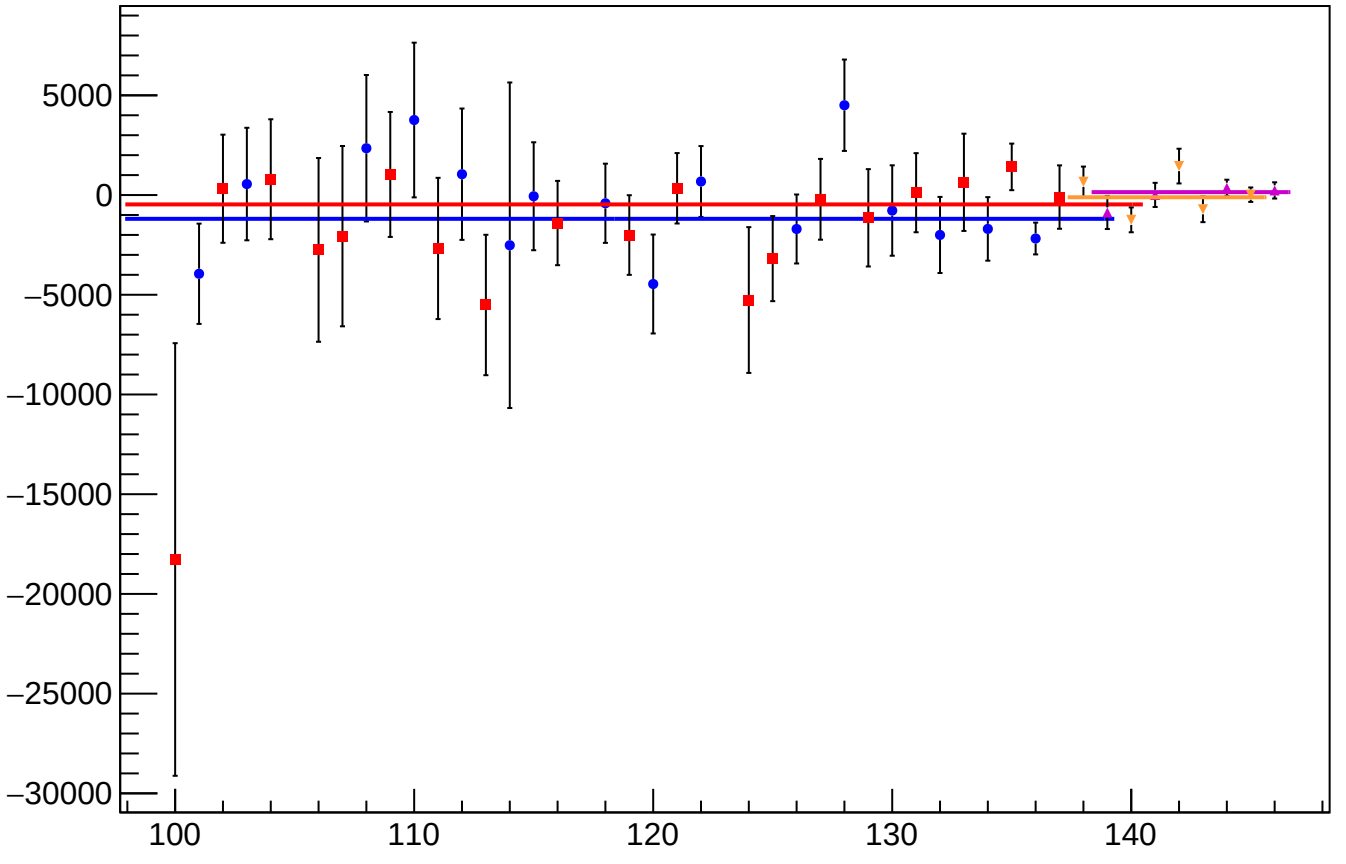
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

+ sign 101.496+/-0.023 χ^2/NDF: 2069299.9/20

All: 101.902+/-0.016 χ^2/NDF: 4587004.1/43

- sign 102.321+/-0.023 χ^2/NDF: 2517072.0/22



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -111.027+/-252.879 χ^2/NDF:8.6/4

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

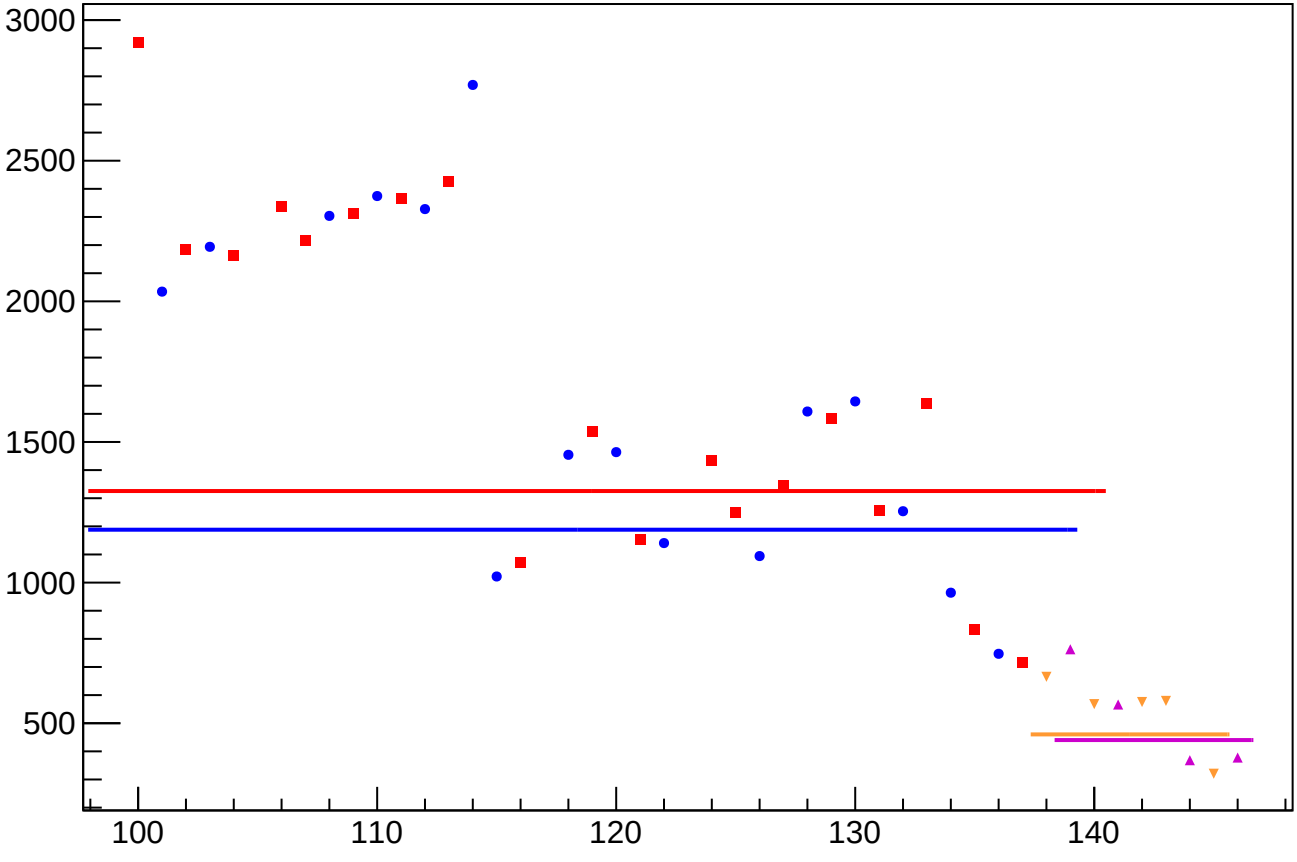
Left In: 145.843+/-247.526 χ^2/NDF:1.9/3

+ sign -346.741+/-223.619 χ^2/NDF: 28.5/20

All: -156.960+/-158.141 χ^2/NDF: 46.3/43

- sign 32.909+/-223.671 χ^2/NDF: 16.4/22

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 460.301+/-0.179 χ^2/NDF:604395.3/4

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

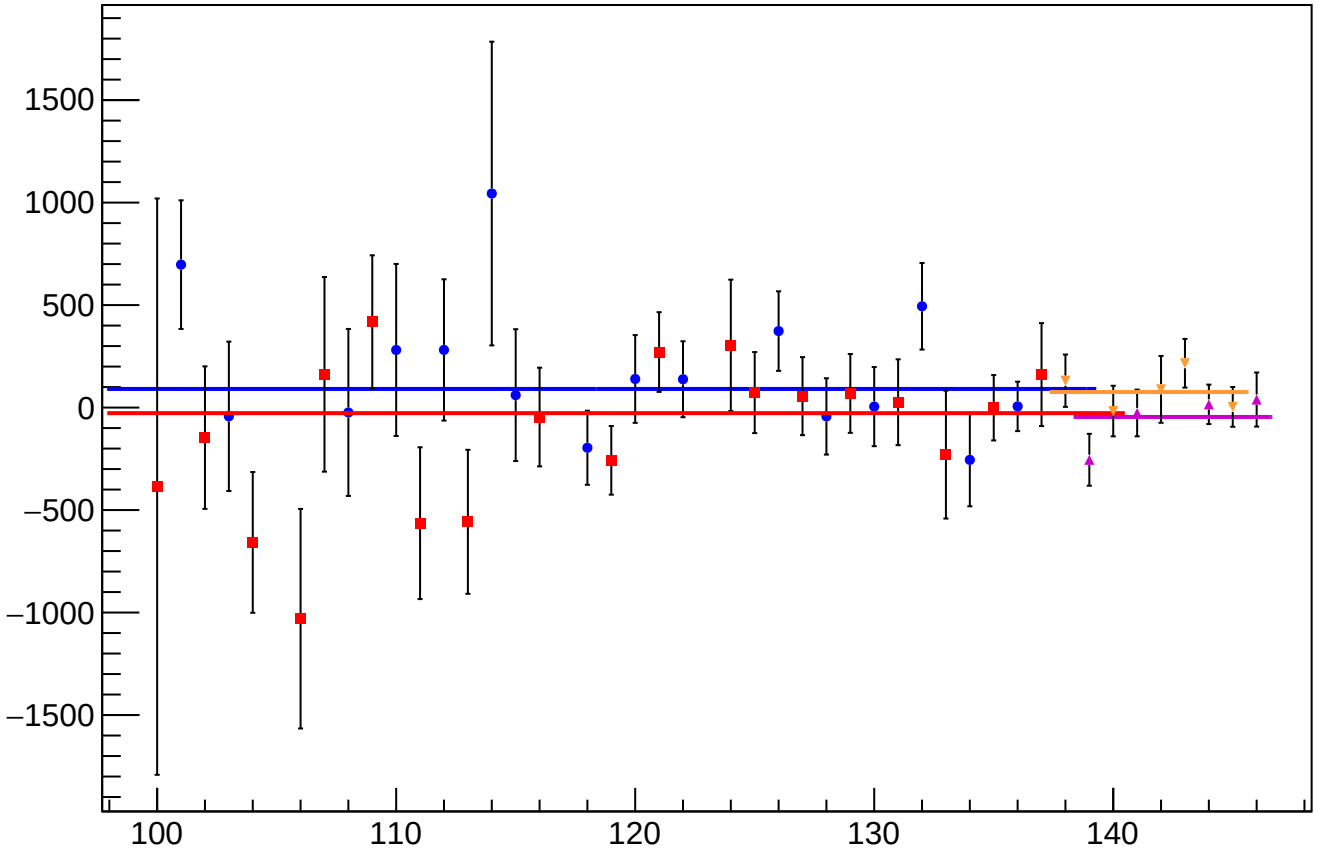
Left In: 440.183+/-0.175 χ^2/NDF:498902.7/3

+ sign 618.975+/-0.158 χ^2/NDF: 6260681.6/20

All: 610.797+/-0.112 χ^2/NDF: 13380419.3/43

- sign 602.614+/-0.158 χ^2/NDF: 7114386.2/22

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 75.876+/-54.085 χ^2/NDF:2.7/4

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

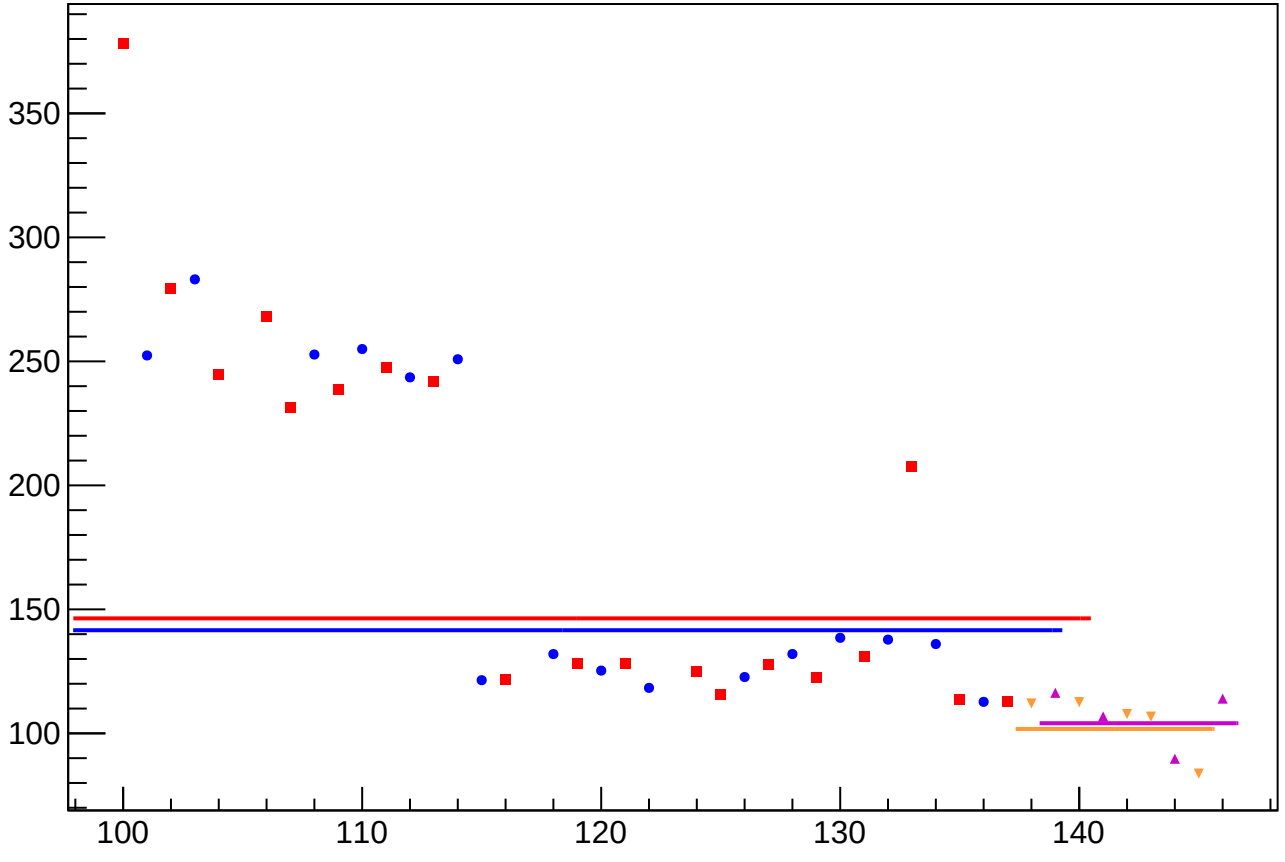
Left In: -45.788+/-57.266 χ^2/NDF:3.6/3

+ sign 83.189+/-38.756 χ^2/NDF: 20.8/20

All: 25.865+/-27.969 χ^2/NDF: 49.6/43

- sign -36.438+/-40.404 χ^2/NDF: 24.2/22

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 101.787+/-0.038 χ^2/NDF:103534.2/4

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

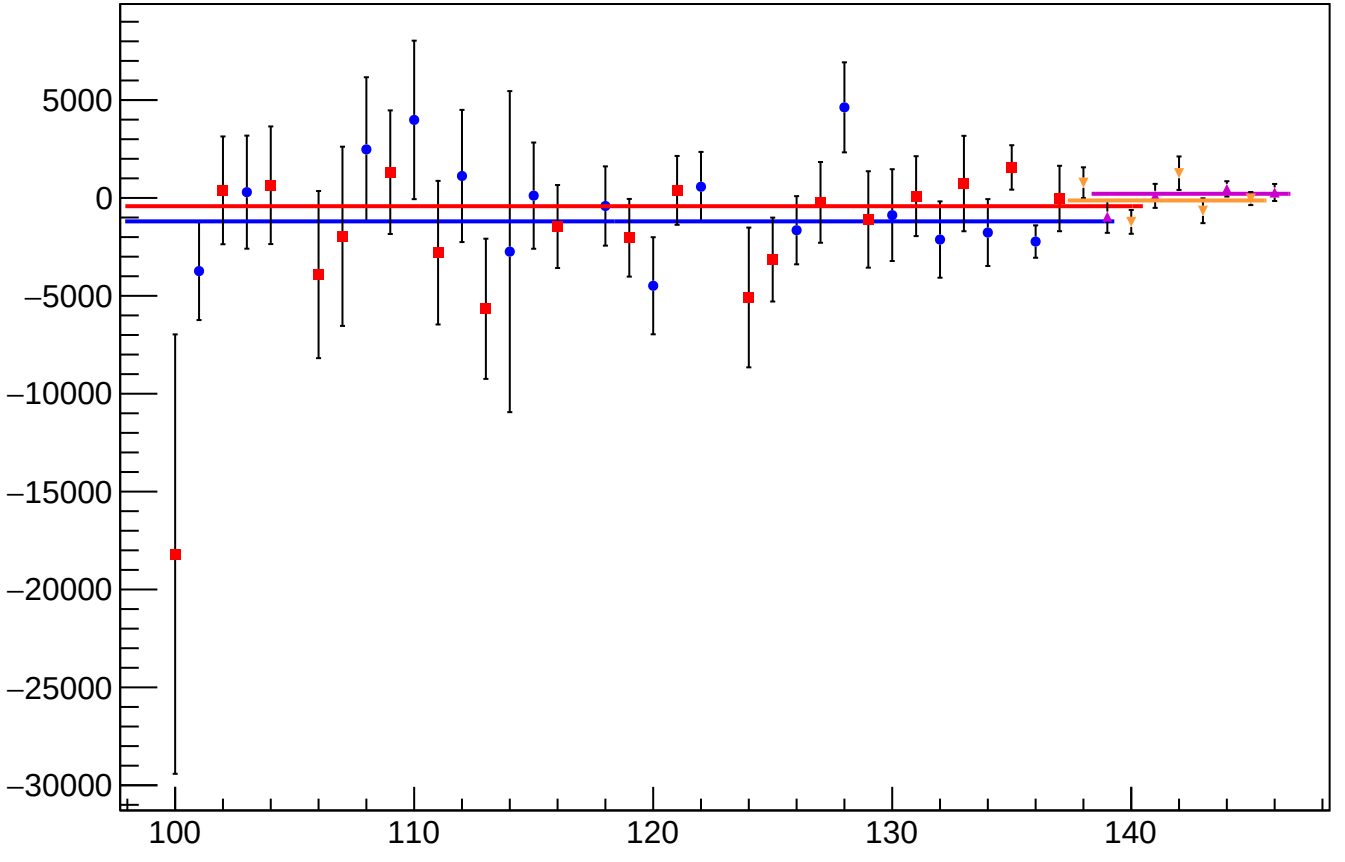
Left In: 104.089+/-0.040 χ^2/NDF:75492.2/3

+ sign 121.150+/-0.027 χ^2/NDF: 1892776.1/20

All: 123.149+/-0.020 χ^2/NDF: 4040502.7/43

- sign 125.322+/-0.029 χ^2/NDF: 2136622.4/22

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -128.991+/-241.586 χ^2/NDF:8.0/4

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

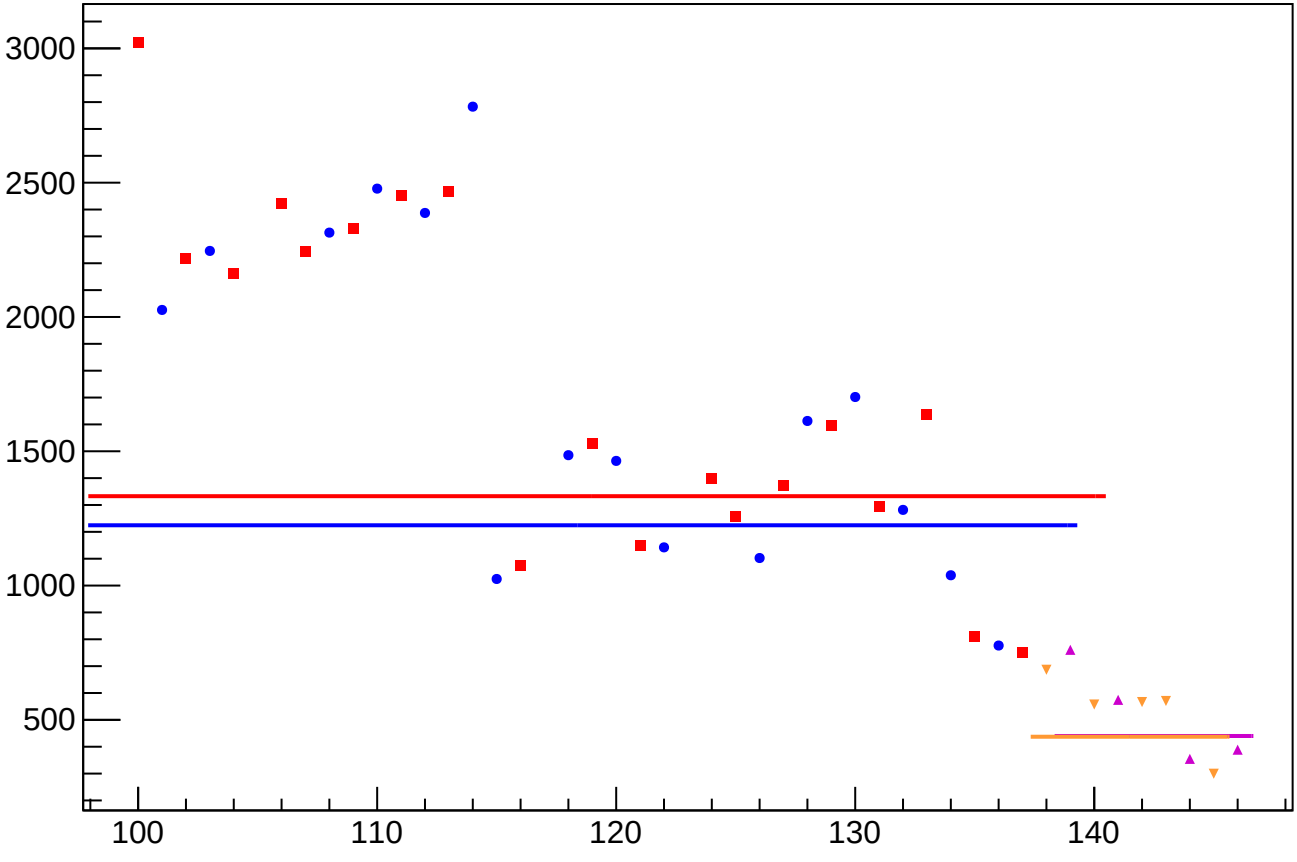
Left In: 212.932+/-250.467 χ^2/NDF:2.5/3

+ sign -336.825+/-216.801 χ^2/NDF: 27.8/20

All: -129.965+/-156.441 χ^2/NDF: 47.6/43

- sign 94.754+/-225.966 χ^2/NDF: 17.9/22

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 437.199+/-0.171 χ^2/NDF:752933.7/4

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

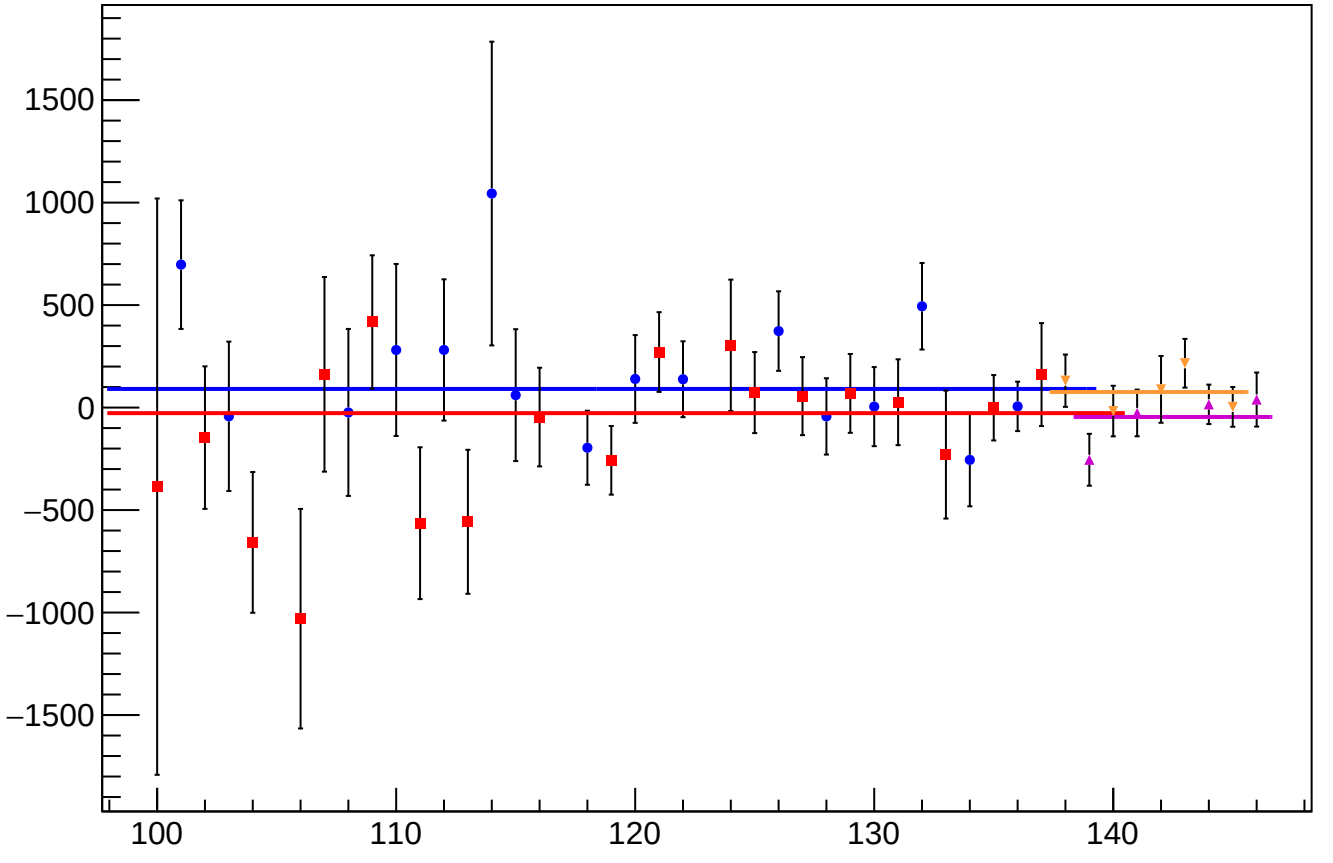
Left In: 439.968+/-0.177 χ^2/NDF:519028.0/3

\+ sign 590.450+/-0.153 χ^2/NDF: 6846717.8/20

All: 597.953+/-0.111 χ^2/NDF: 14094341.2/43

\- sign 606.102+/-0.160 χ^2/NDF: 7242627.2/22

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 75.874+/-54.085 χ^2/NDF:2.7/4

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

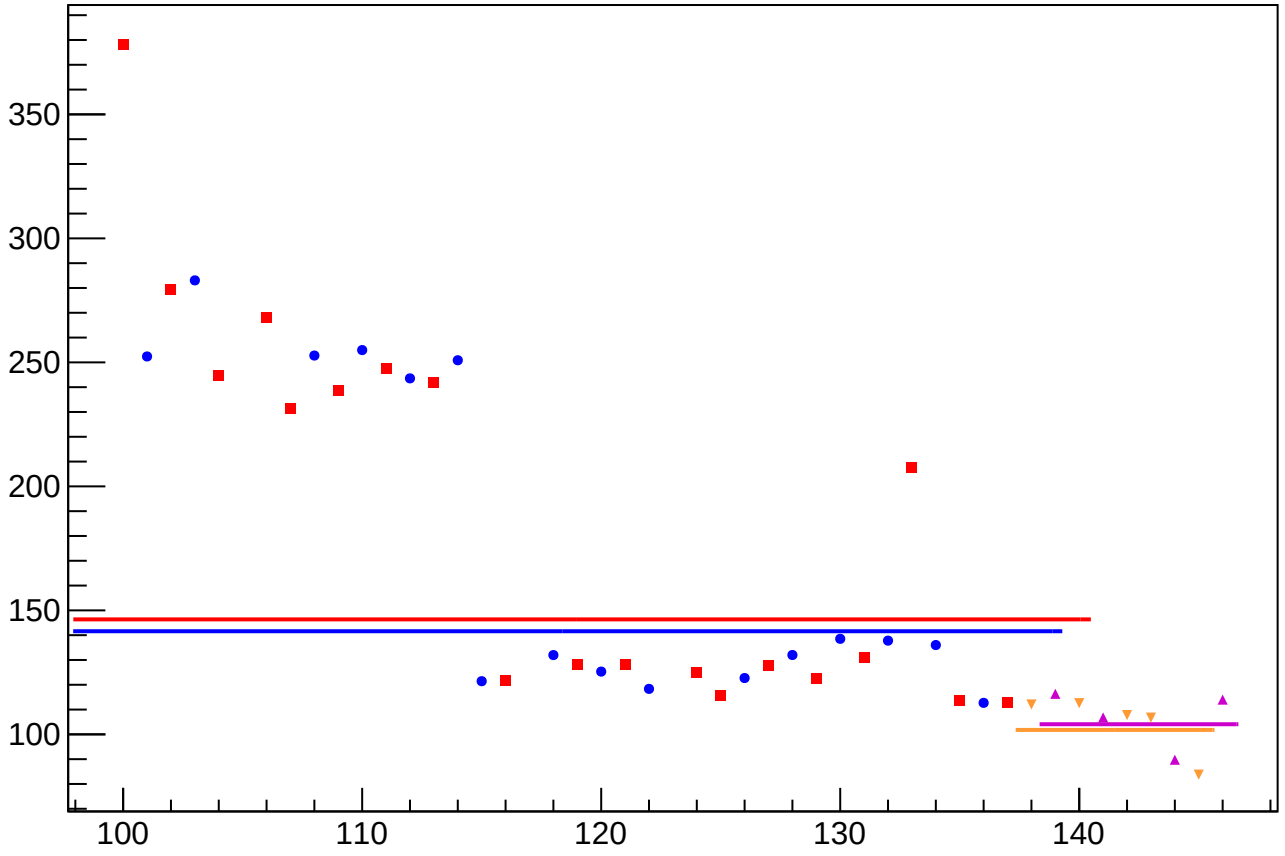
Left In: -45.788+/-57.267 χ^2/NDF:3.6/3

+ sign 83.189+/-38.756 χ^2/NDF: 20.8/20

All: 25.865+/-27.969 χ^2/NDF: 49.6/43

- sign -36.438+/-40.404 χ^2/NDF: 24.2/22

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 101.788+/-0.038 χ^2/NDF:103525.1/4

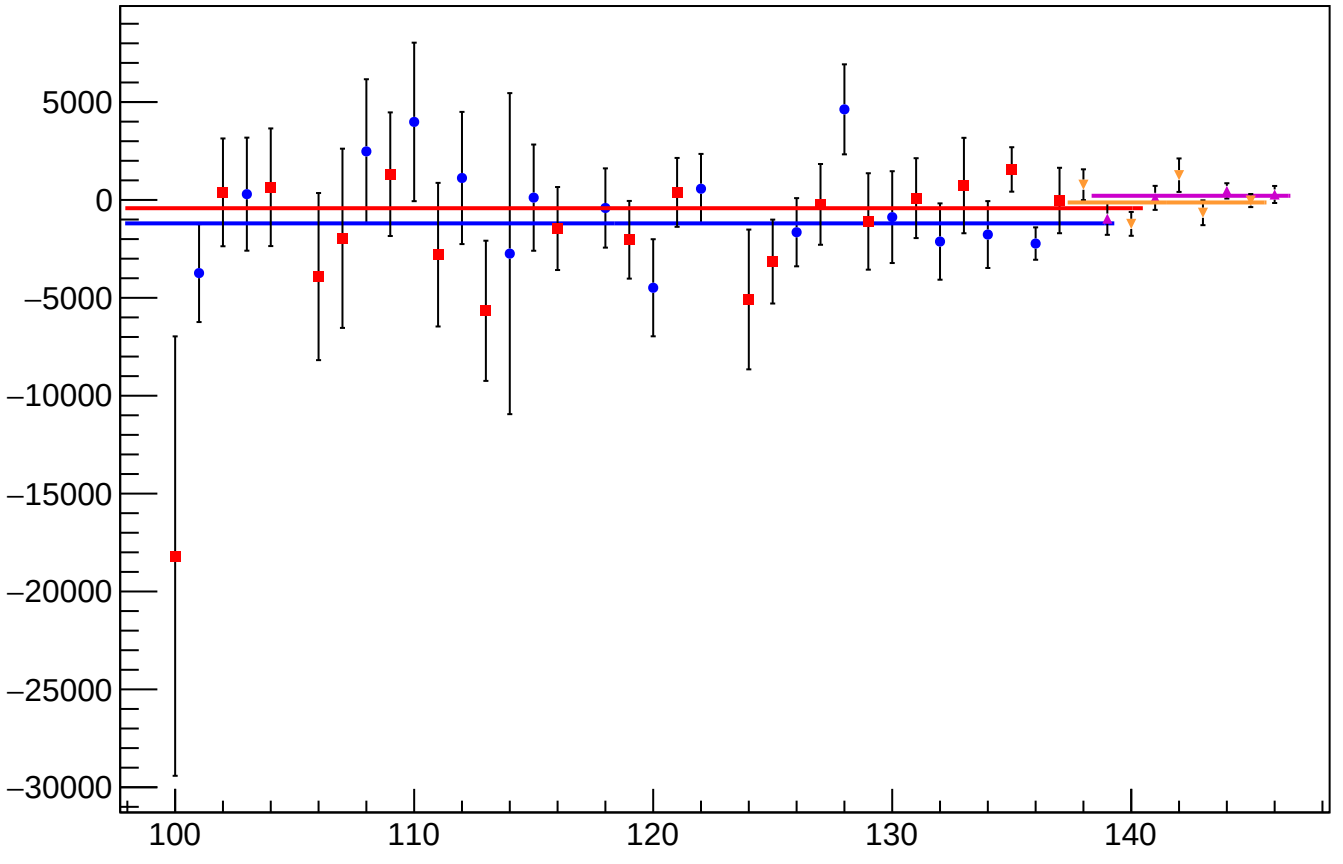
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 104.090+/-0.040 χ^2/NDF:75489.1/3

+ sign 121.150+/-0.027 χ^2/NDF: 1892719.1/20

All: 123.149+/-0.020 χ^2/NDF: 4040405.1/43

- sign 125.322+/-0.029 χ^2/NDF: 2136581.1/22



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -128.992+/-241.585 χ^2/NDF:8.0/4

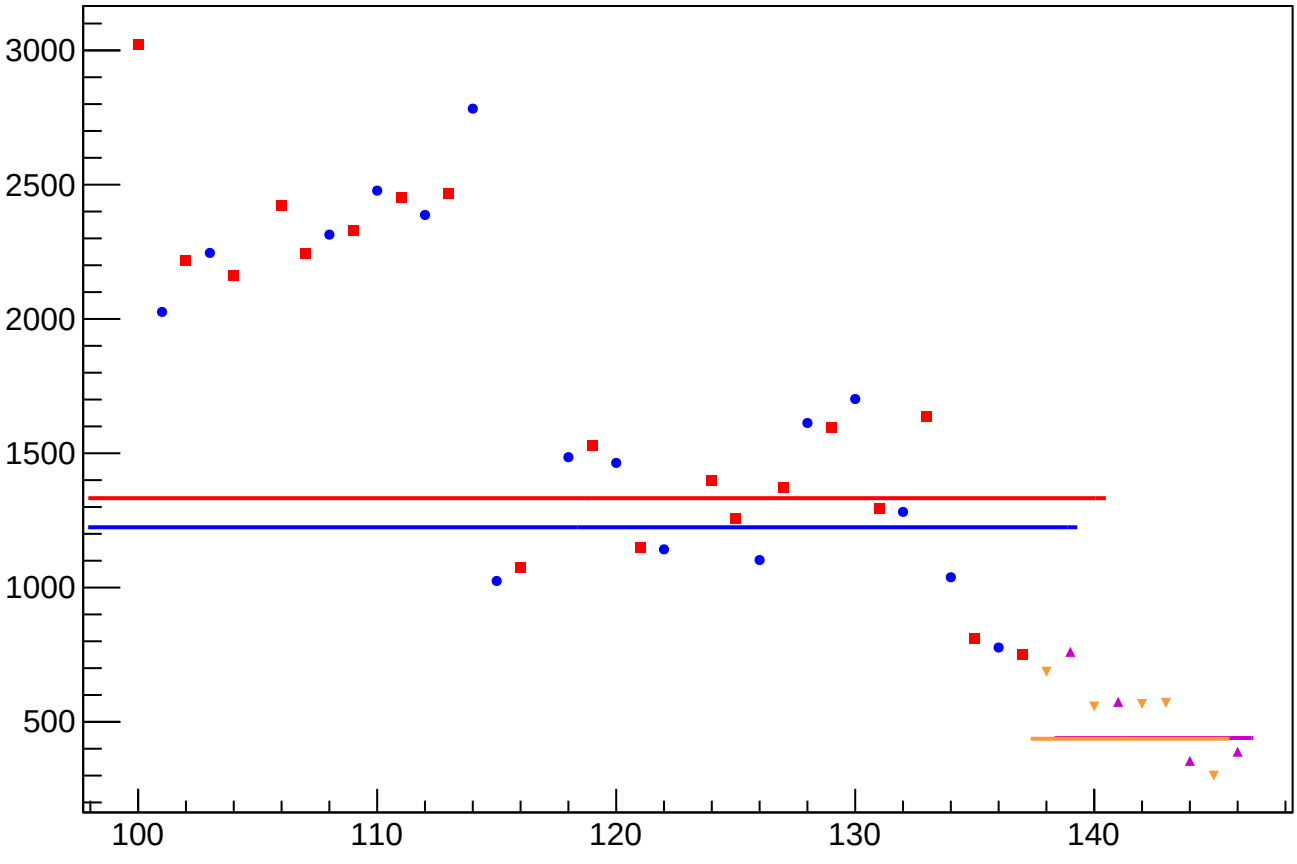
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 212.931+/-250.467 χ^2/NDF:2.5/3

+ sign -336.824+/-216.800 χ^2/NDF: 27.8/20

All: -129.965+/-156.440 χ^2/NDF: 47.6/43

- sign 94.754+/-225.965 χ^2/NDF: 17.9/22



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 437.197+/-0.171 χ^2/NDF:752952.7/4

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

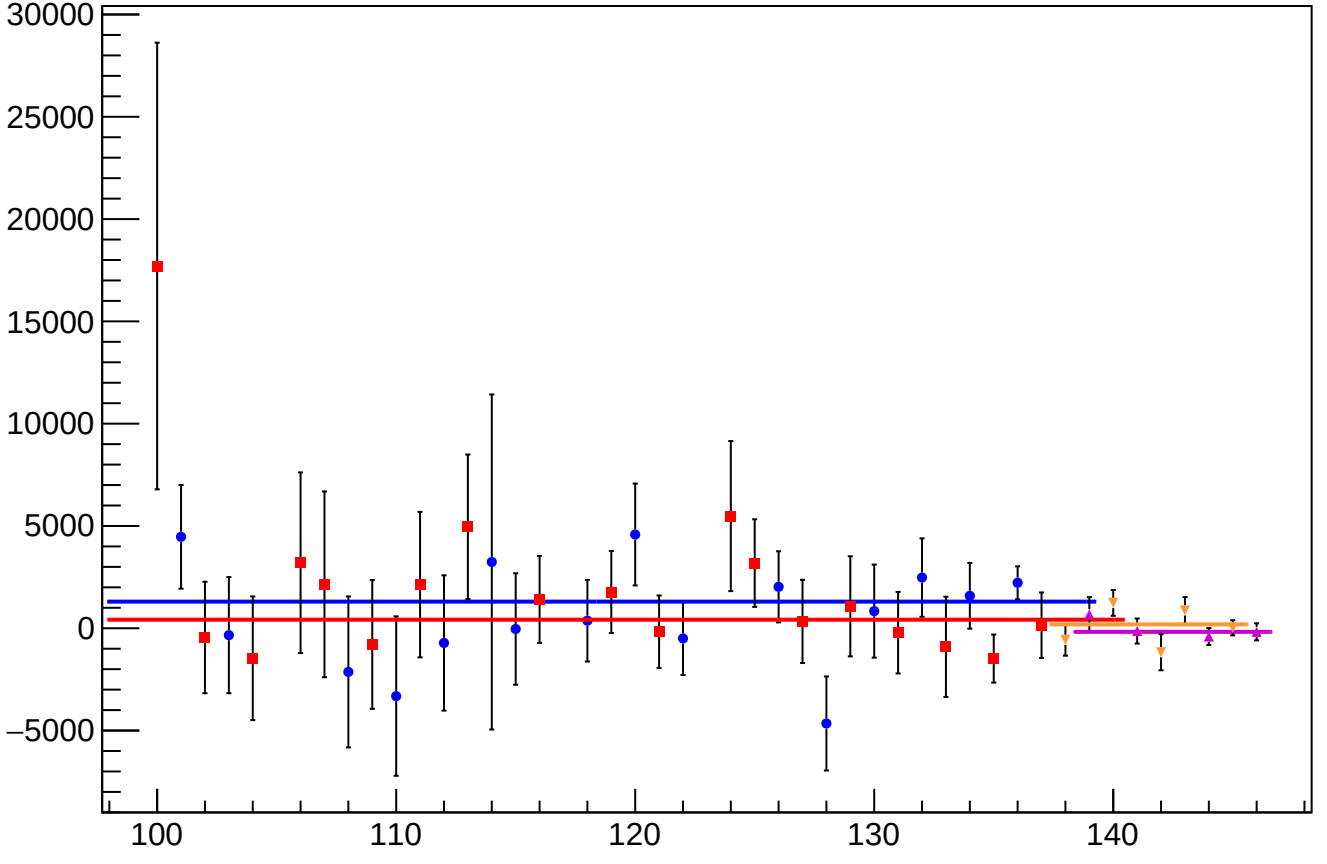
Left In: 439.966+/-0.177 χ^2/NDF:519030.8/3

+ sign 590.447+/-0.153 χ^2/NDF: 6846754.3/20

All: 597.950+/-0.111 χ^2/NDF: 14094386.1/43

- sign 606.100+/-0.160 χ^2/NDF: 7242634.6/22

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 190.396+/-257.436 χ^2/NDF:7.4/4

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

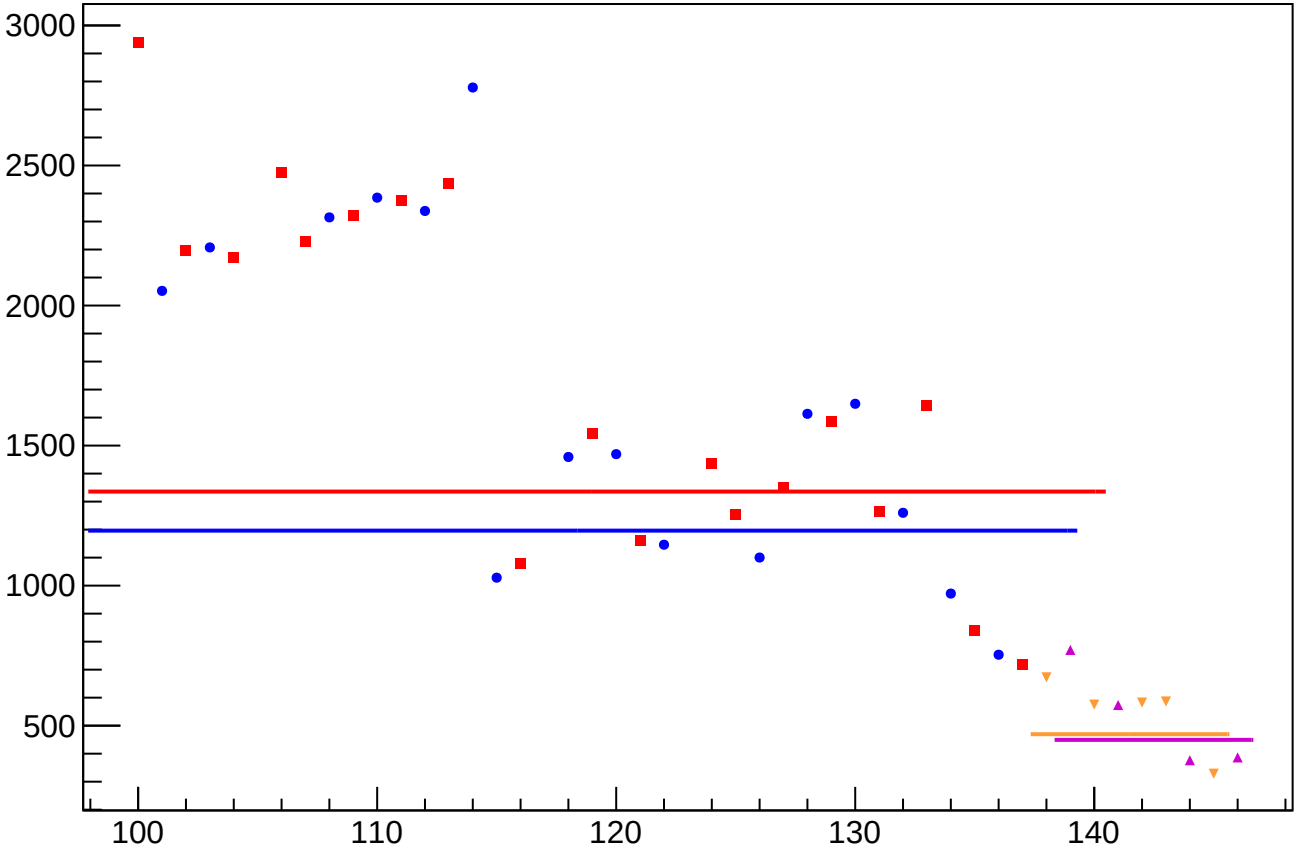
Left In: -176.127+/-252.265 χ^2/NDF:1.4/3

+ sign 437.064+/-227.072 χ^2/NDF: 28.0/20

All: 186.594+/-160.658 χ^2/NDF: 45.9/43

- sign -64.463+/-227.338 χ^2/NDF: 15.4/22

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 469.503+/-0.182 χ^2/NDF:580183.4/4

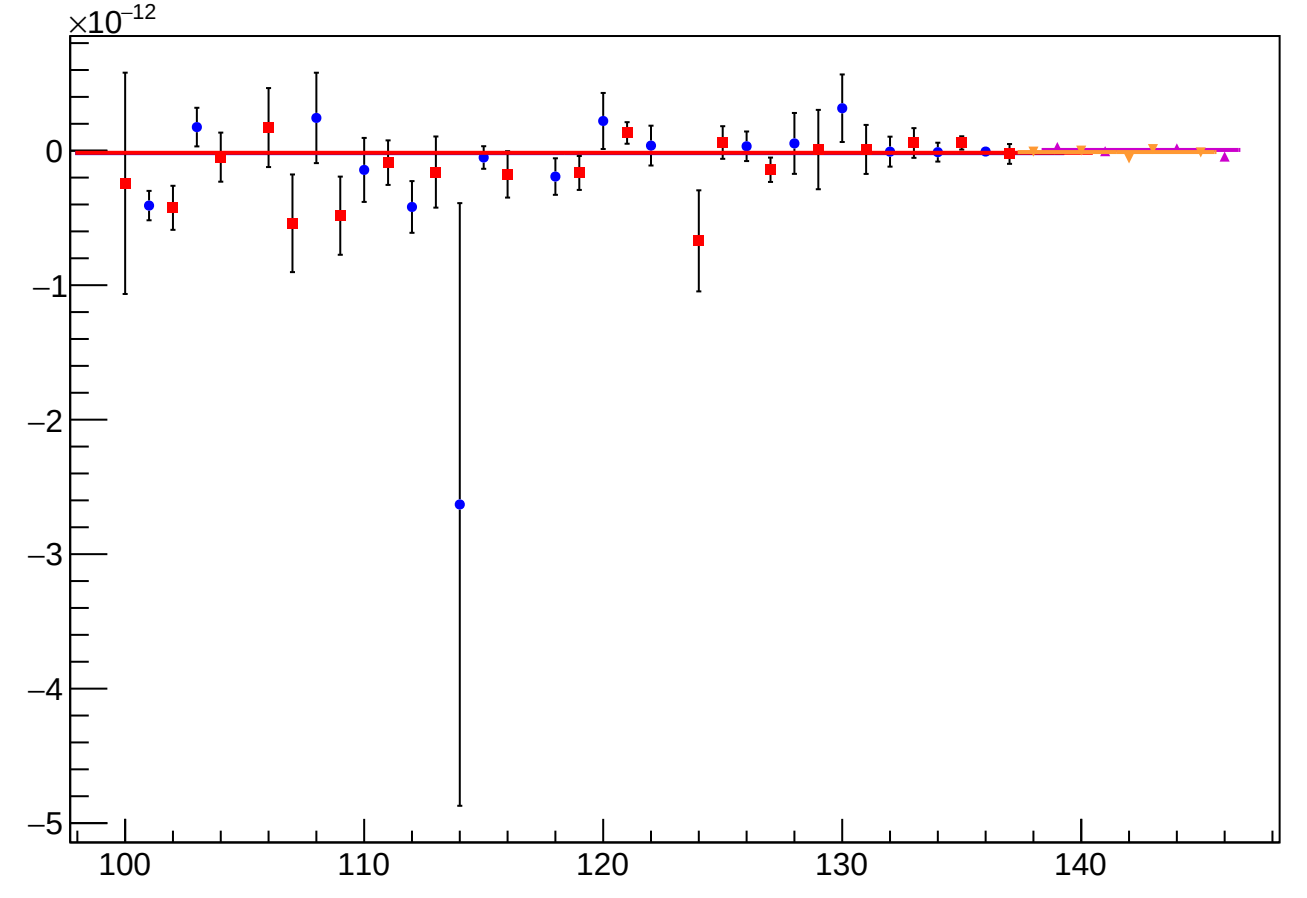
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 449.315+/-0.178 χ^2/NDF:483193.8/3

+ sign 630.848+/-0.161 χ^2/NDF: 6150985.6/20

All: 623.357+/-0.114 χ^2/NDF: 13229794.0/43

- sign 615.849+/-0.161 χ^2/NDF: 7074450.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/4

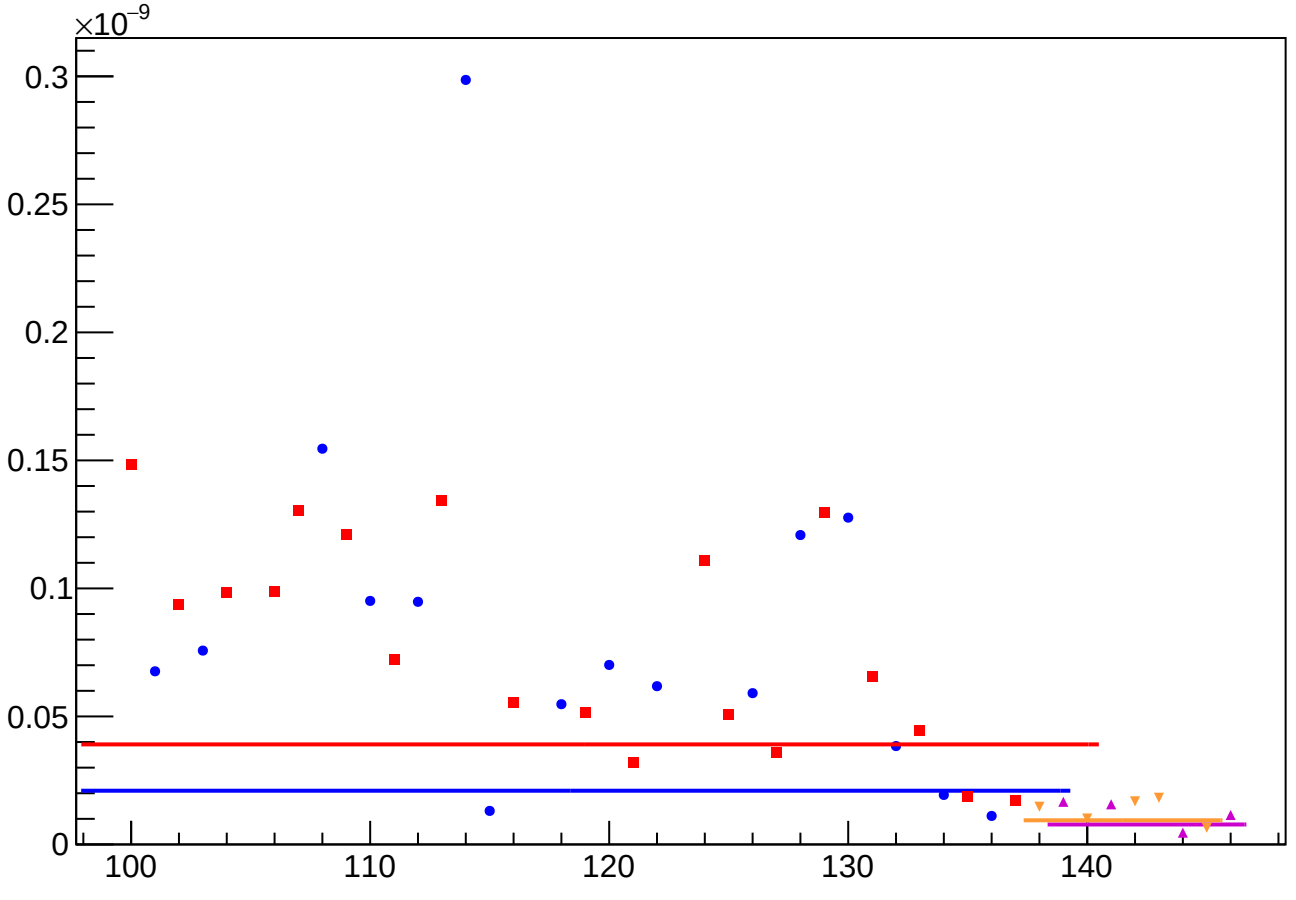
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/20

All: -0.000+/-0.000 χ^2/NDF: 67.6/43

- sign 0.000+/-0.000 χ^2/NDF: 35.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:498417.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

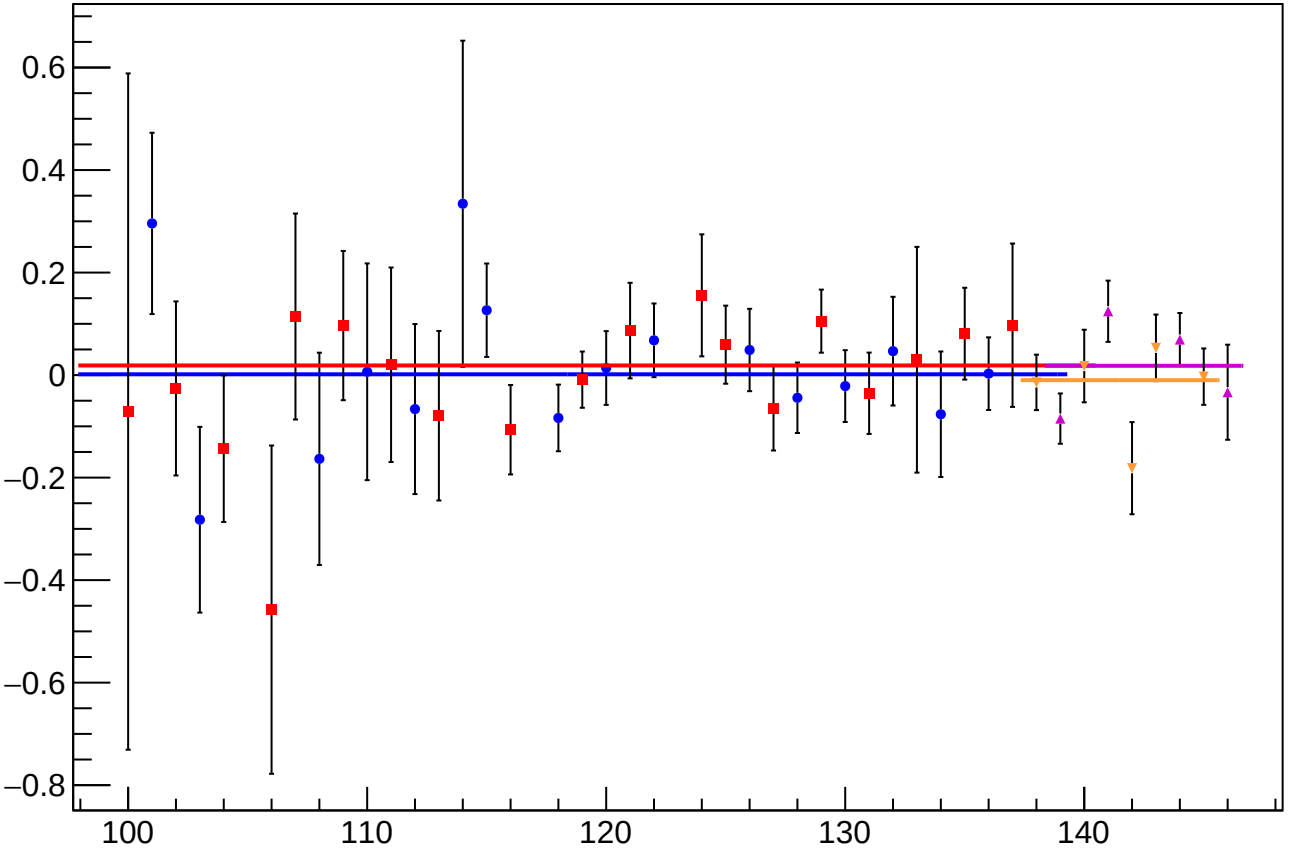
Left In: 0.000+/-0.000 χ^2/NDF:706238.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 4577729.0/20

All: 0.000+/-0.000 χ^2/NDF: 9776347.8/43

- sign 0.000+/-0.000 χ^2/NDF: 5166246.2/22

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.010+/-0.028 χ^2/NDF:4.8/4

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

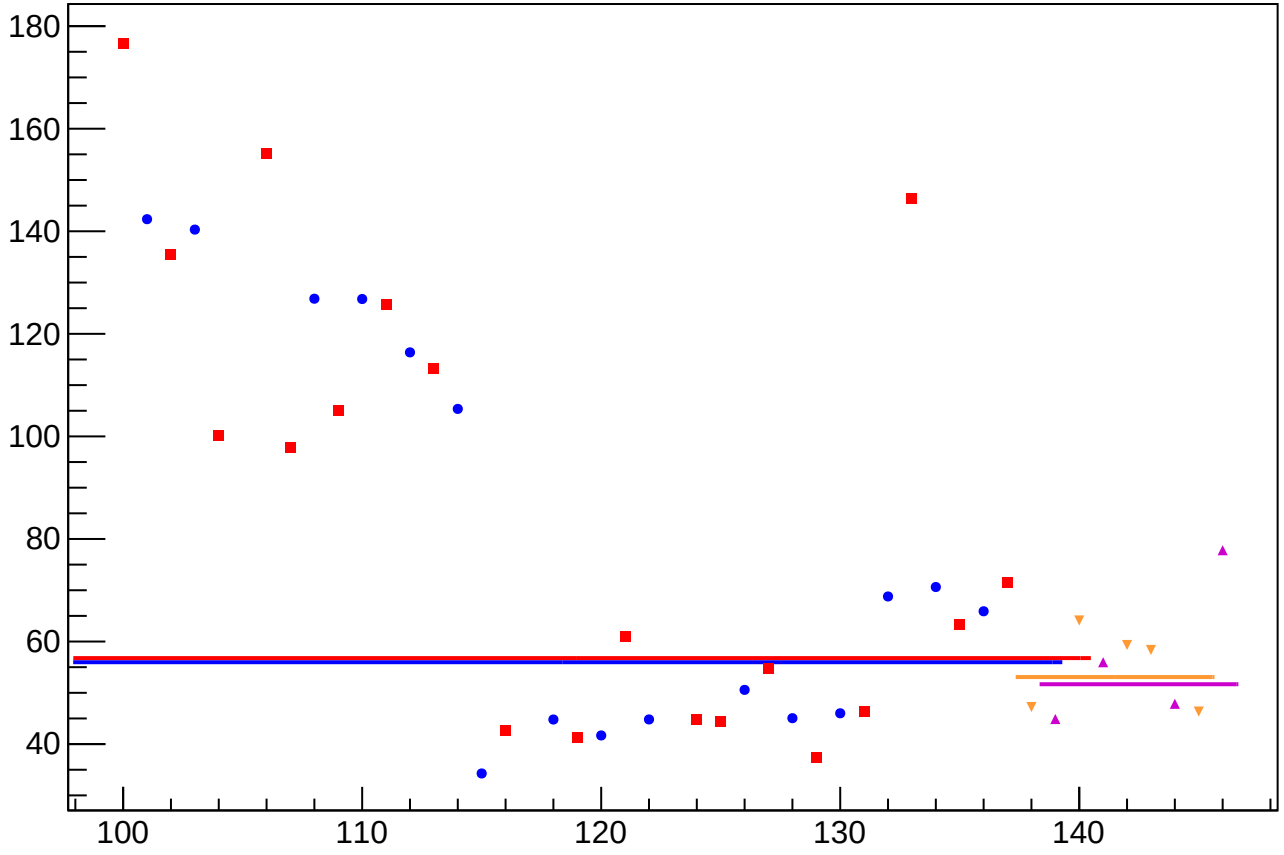
Left In: 0.018+/-0.029 χ^2/NDF:8.9/3

+ sign -0.003+/-0.018 χ^2/NDF: 17.9/20

All: 0.008+/-0.013 χ^2/NDF: 40.6/43

- sign 0.019+/-0.018 χ^2/NDF: 22.0/22

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: 53.074+/-0.020 χ^2/NDF:124763.3/4

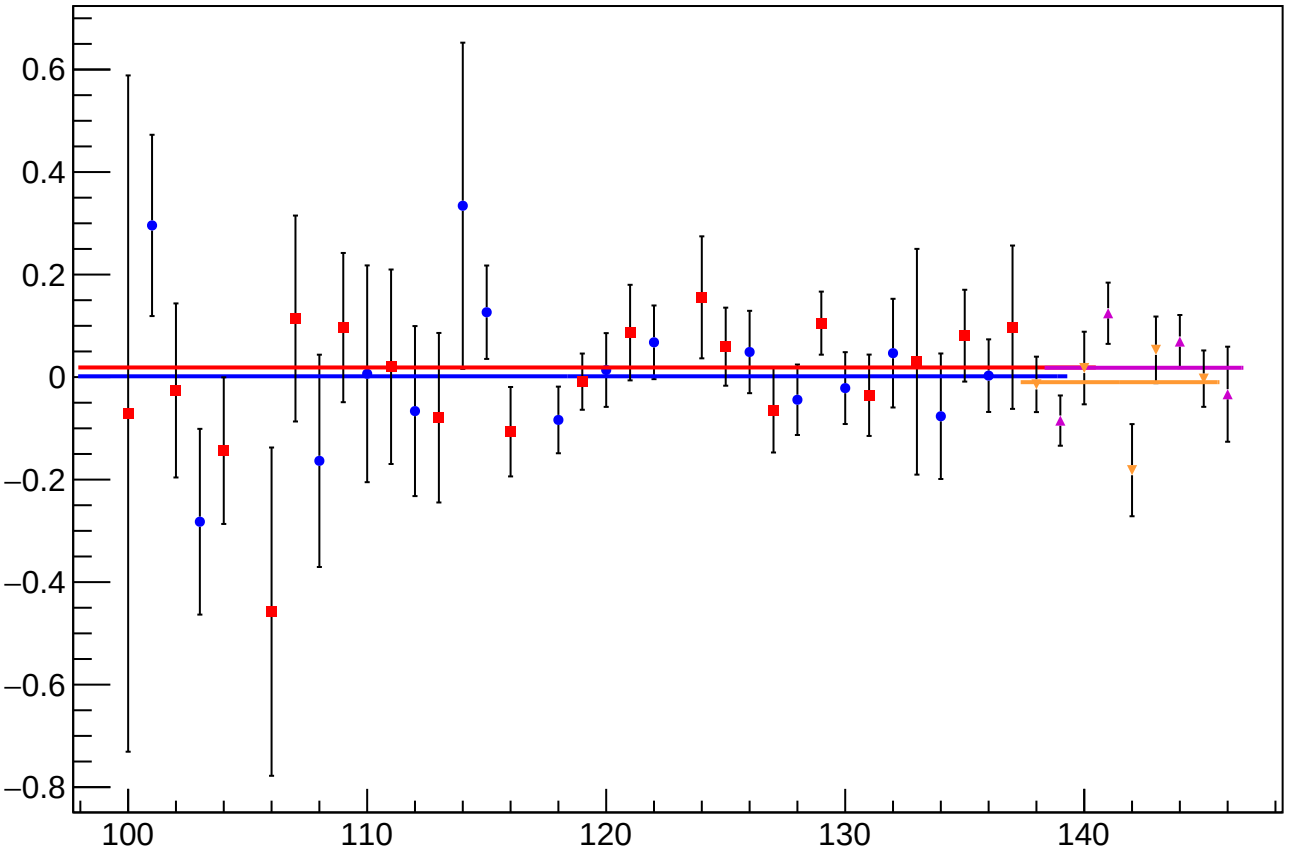
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 51.673+/-0.021 χ^2/NDF:218229.3/3

+ sign 54.801+/-0.013 χ^2/NDF: 2316911.4/20

All: 54.777+/-0.009 χ^2/NDF: 5125572.7/43

- sign 54.752+/-0.013 χ^2/NDF: 2808654.0/22



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.010+/-0.028 χ^2/NDF:4.8/4

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

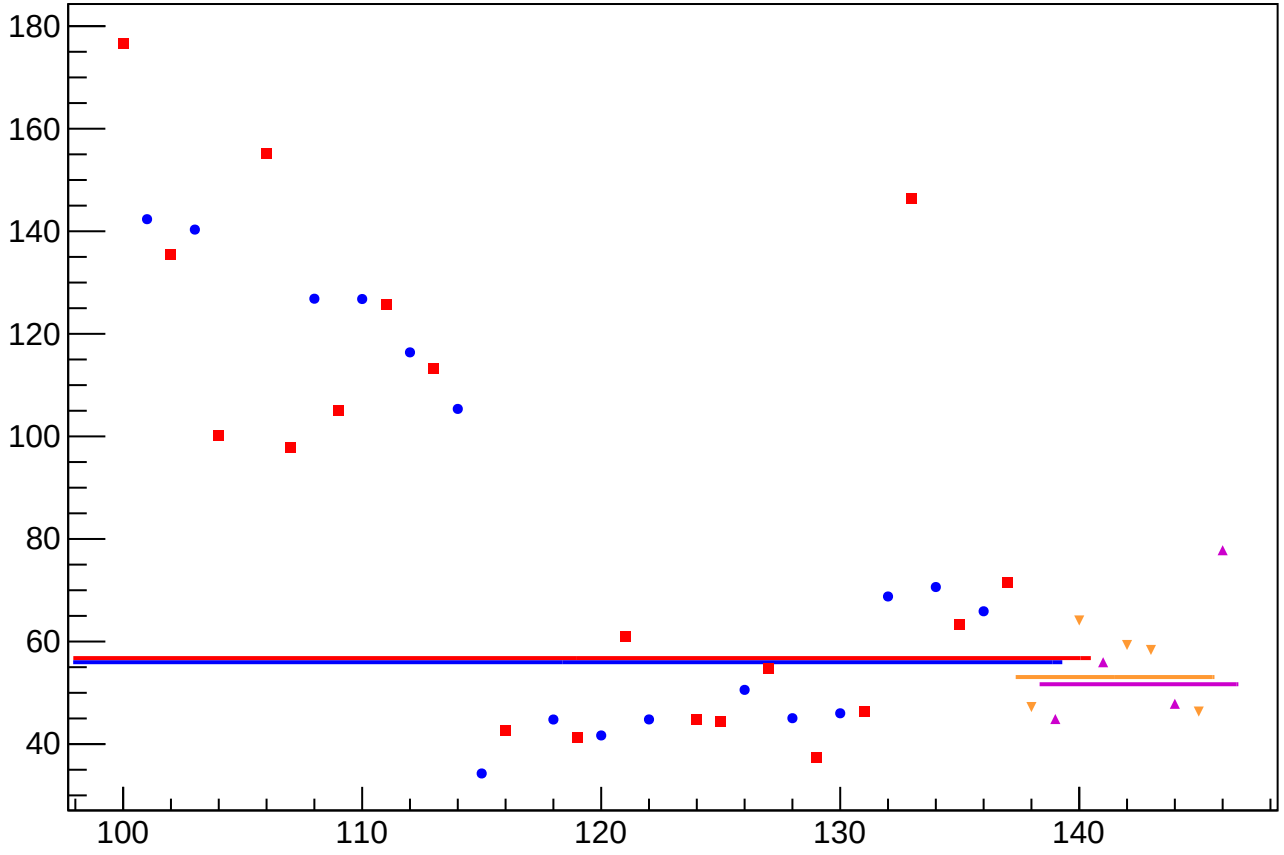
Left In: 0.018+/-0.029 χ^2/NDF:8.9/3

+ sign -0.003+/-0.018 χ^2/NDF: 17.9/20

All: 0.008+/-0.013 χ^2/NDF: 40.6/43

- sign 0.019+/-0.018 χ^2/NDF: 22.0/22

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.074+/-0.020 χ^2/NDF:124763.3/4

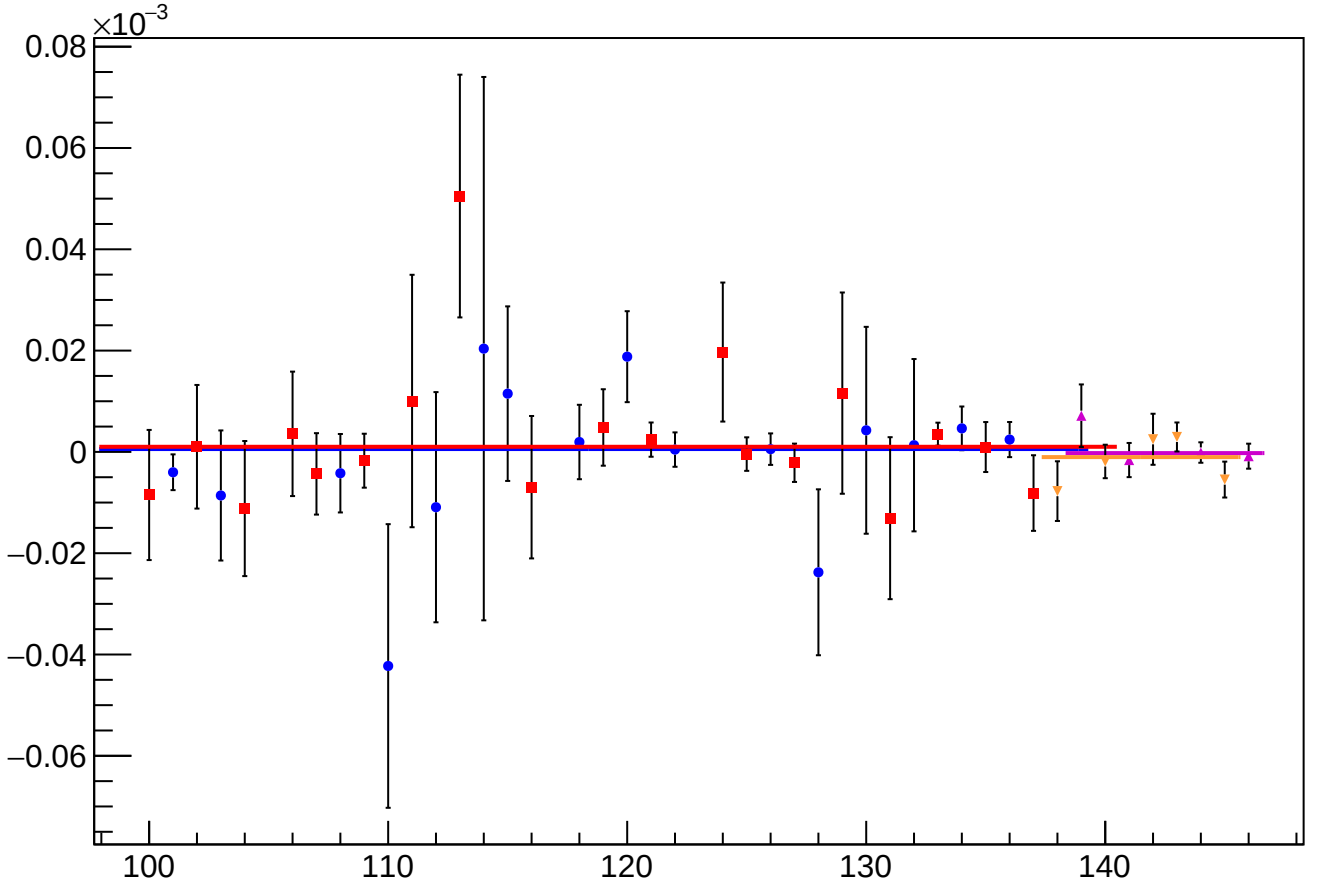
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 51.673+/-0.021 χ^2/NDF:218229.3/3

+ sign 54.801+/-0.013 χ^2/NDF: 2316911.4/20

All: 54.777+/-0.009 χ^2/NDF: 5125572.7/43

- sign 54.752+/-0.013 χ^2/NDF: 2808654.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/4

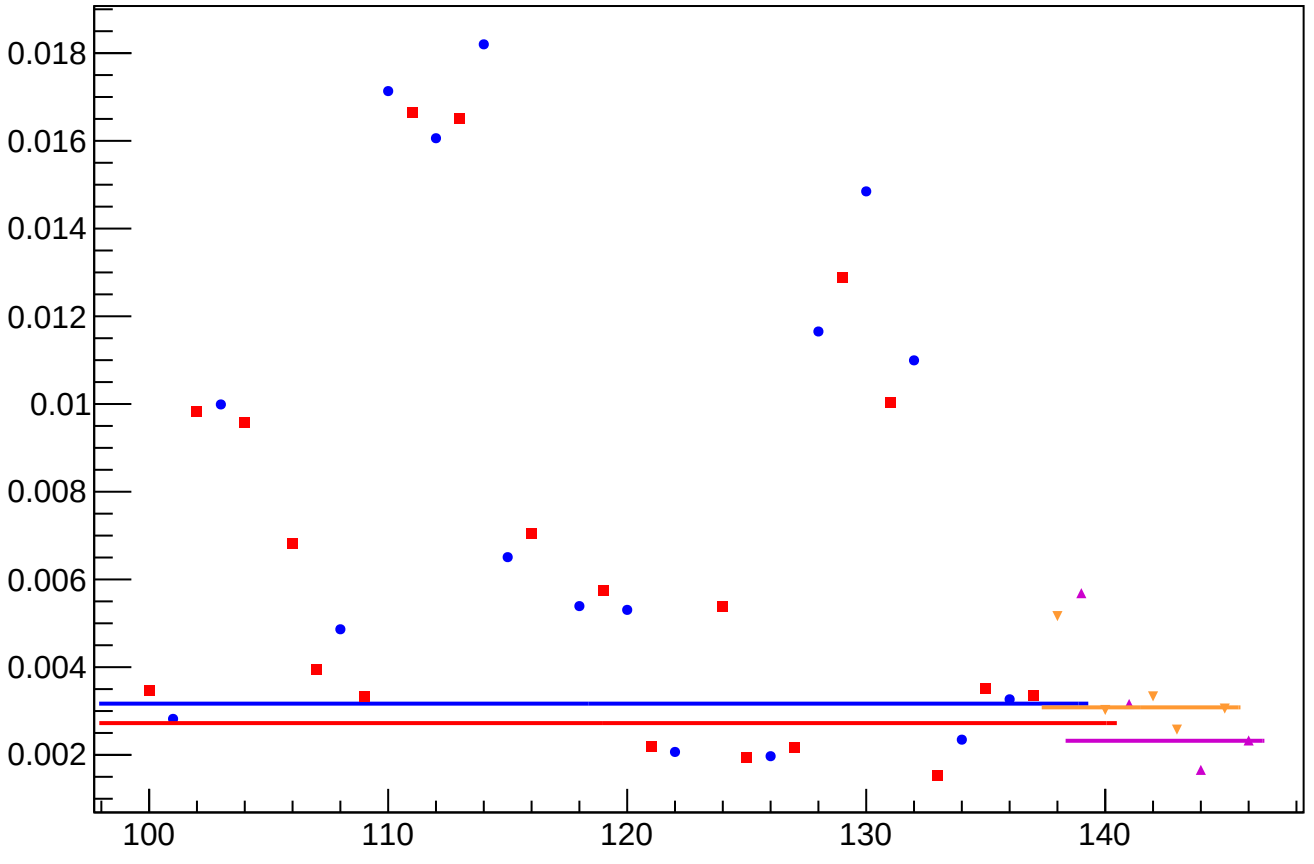
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/20

All: 0.000+/-0.000 χ^2/NDF: 35.2/43

- sign 0.000+/-0.000 χ^2/NDF: 15.9/22



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:318089.9/4

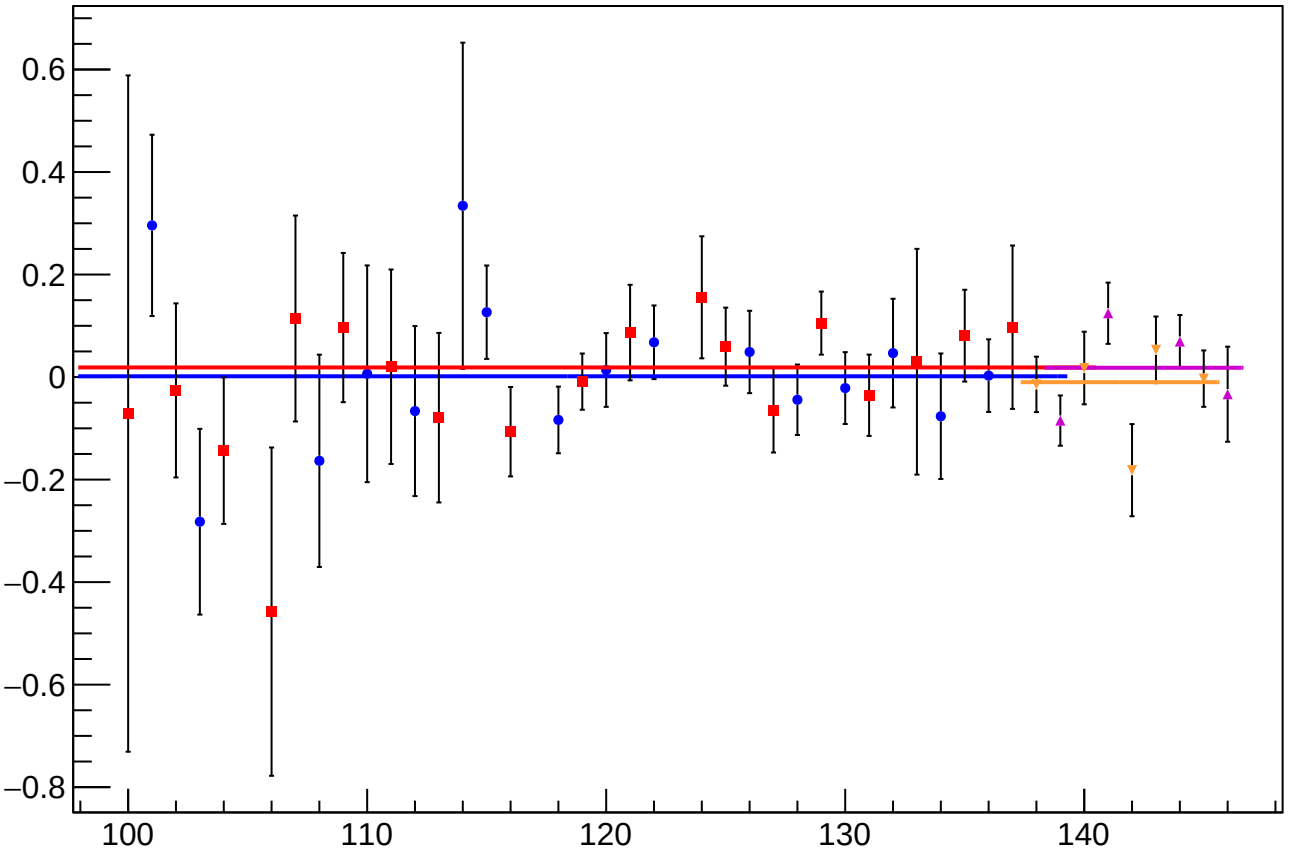
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:932449.3/3

+ sign 0.003+/-0.000 χ^2/NDF: 4866666.9/20

All: 0.003+/-0.000 χ^2/NDF: 11383498.2/43

- sign 0.003+/-0.000 χ^2/NDF: 6177600.6/22



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.010+/-0.028 χ^2/NDF:4.8/4

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

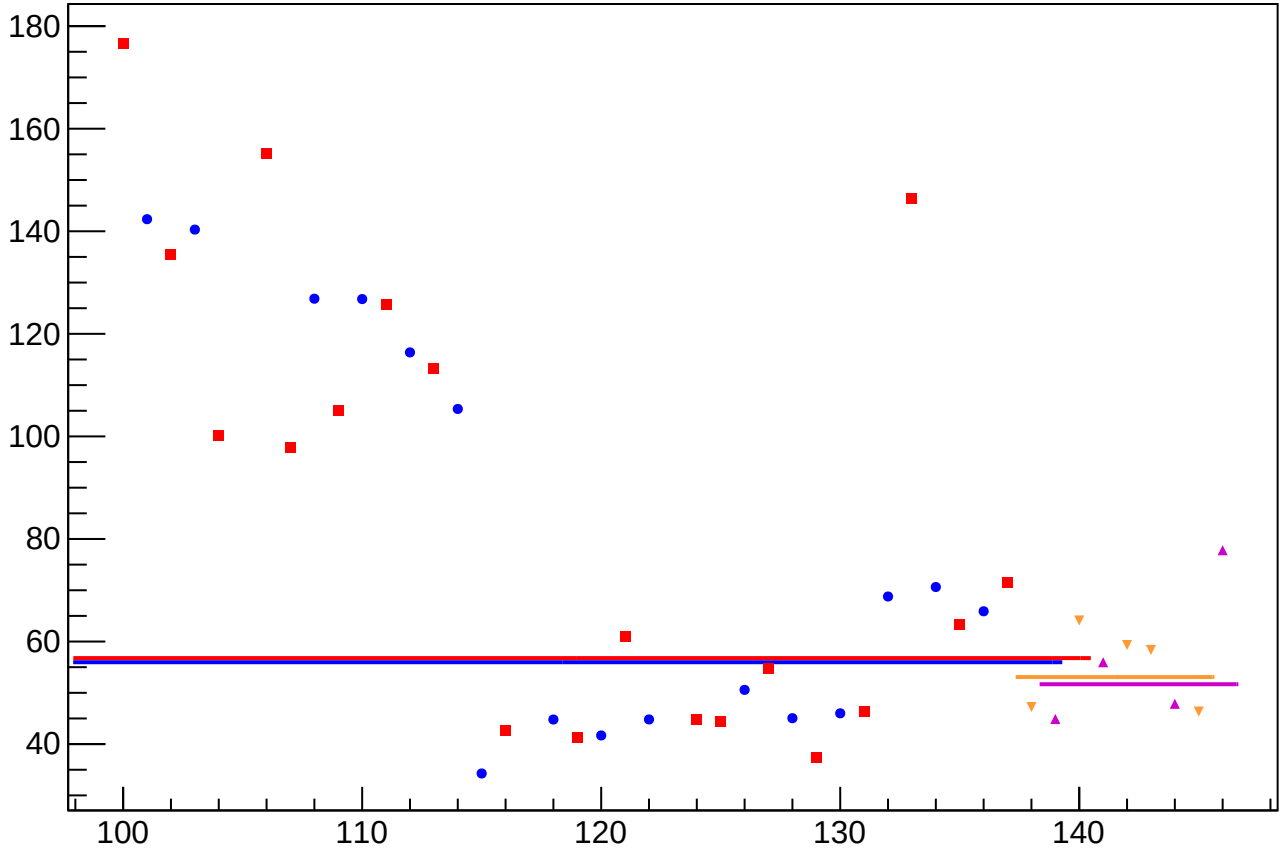
Left In: 0.018+/-0.029 χ^2/NDF:8.9/3

+ sign -0.003+/-0.018 χ^2/NDF: 17.9/20

All: 0.008+/-0.013 χ^2/NDF: 40.6/43

- sign 0.019+/-0.018 χ^2/NDF: 22.0/22

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.075+/-0.020 χ^2/NDF:124756.9/4

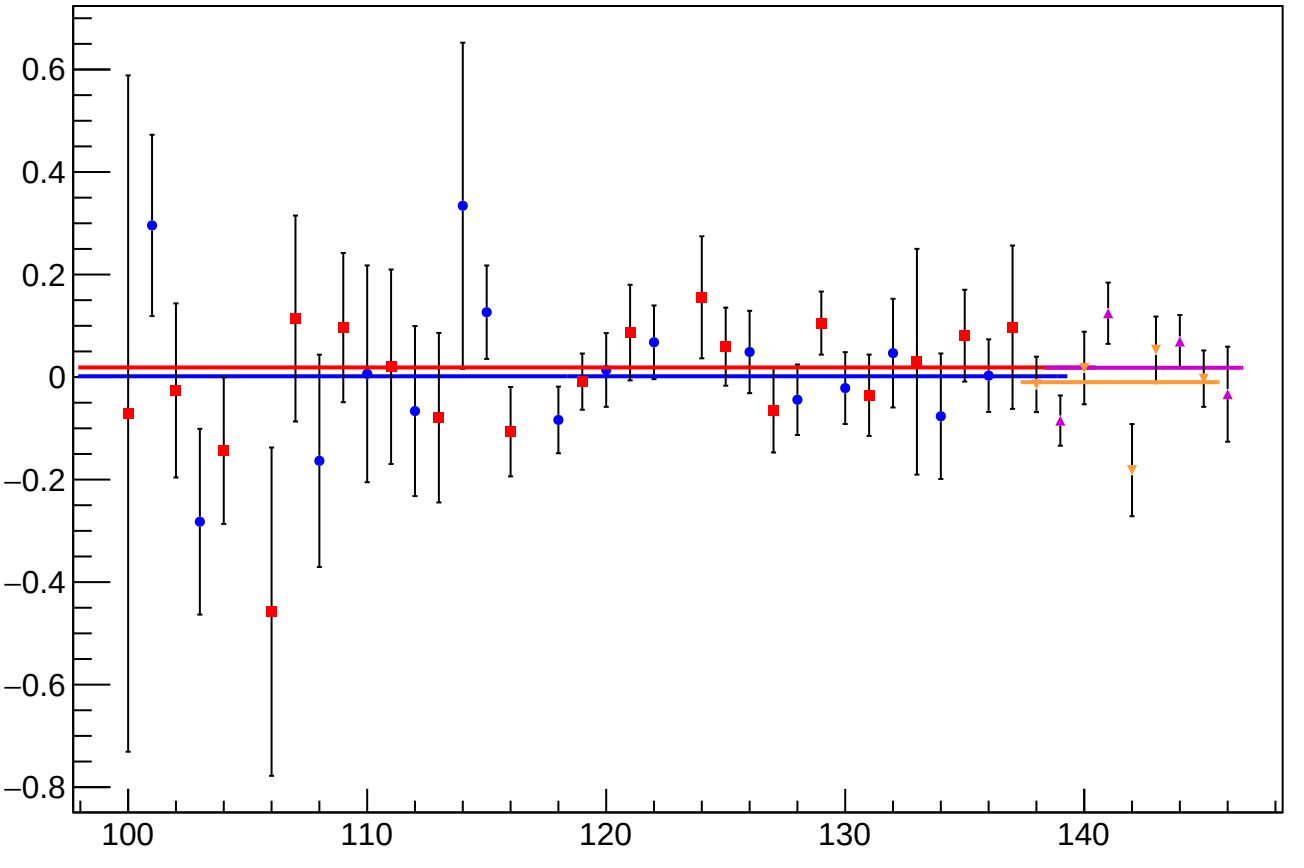
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 51.674+/-0.021 χ^2/NDF:218226.1/3

+ sign 54.801+/-0.013 χ^2/NDF: 2316824.6/20

All: 54.777+/-0.009 χ^2/NDF: 5125408.7/43

- sign 54.752+/-0.013 χ^2/NDF: 2808576.9/22



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.010+/-0.028 χ^2/NDF:4.8/4

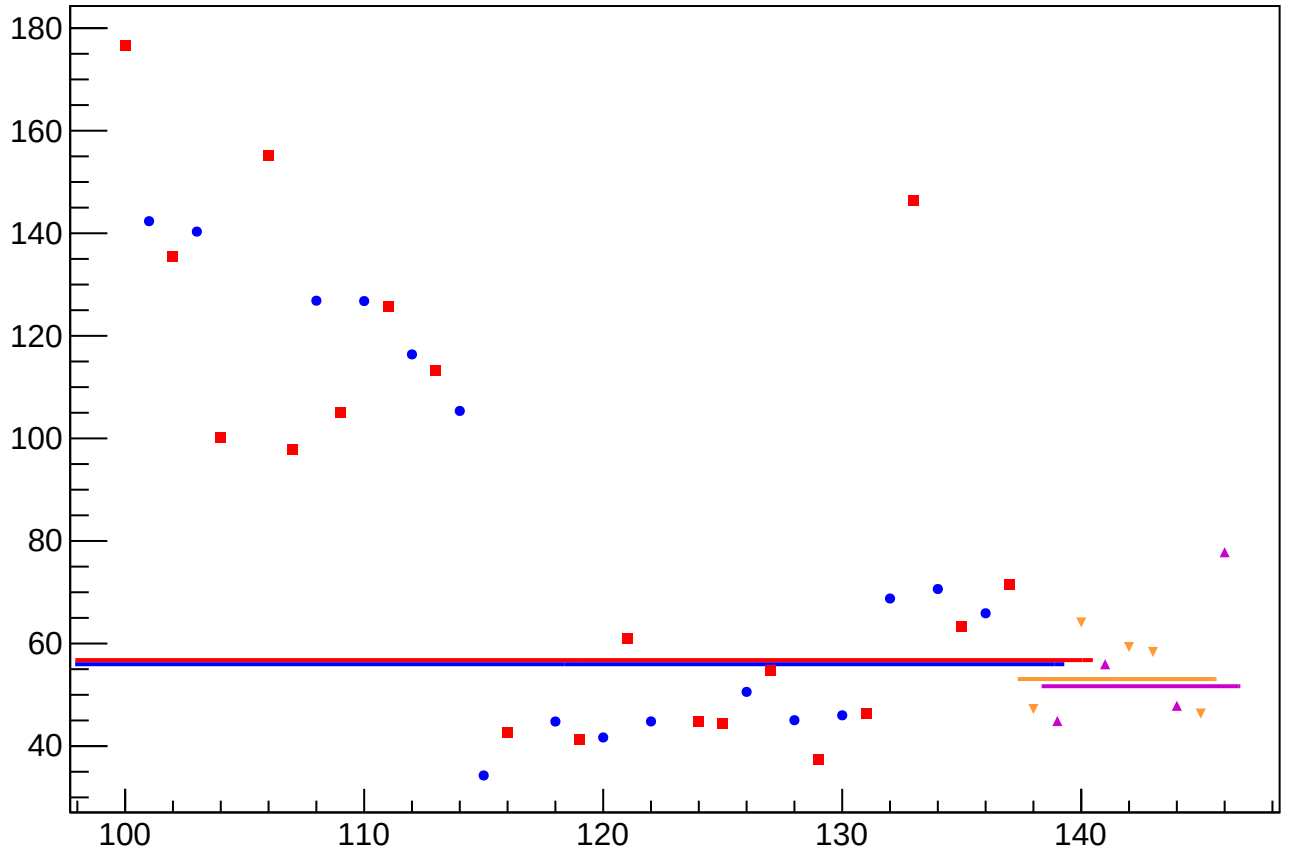
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.018+/-0.029 χ^2/NDF:8.9/3

+ sign -0.003+/-0.018 χ^2/NDF: 17.9/20

All: 0.008+/-0.013 χ^2/NDF: 40.6/43

- sign 0.019+/-0.018 χ^2/NDF: 22.0/22



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.075+/-0.020 χ^2/NDF:124756.9/4

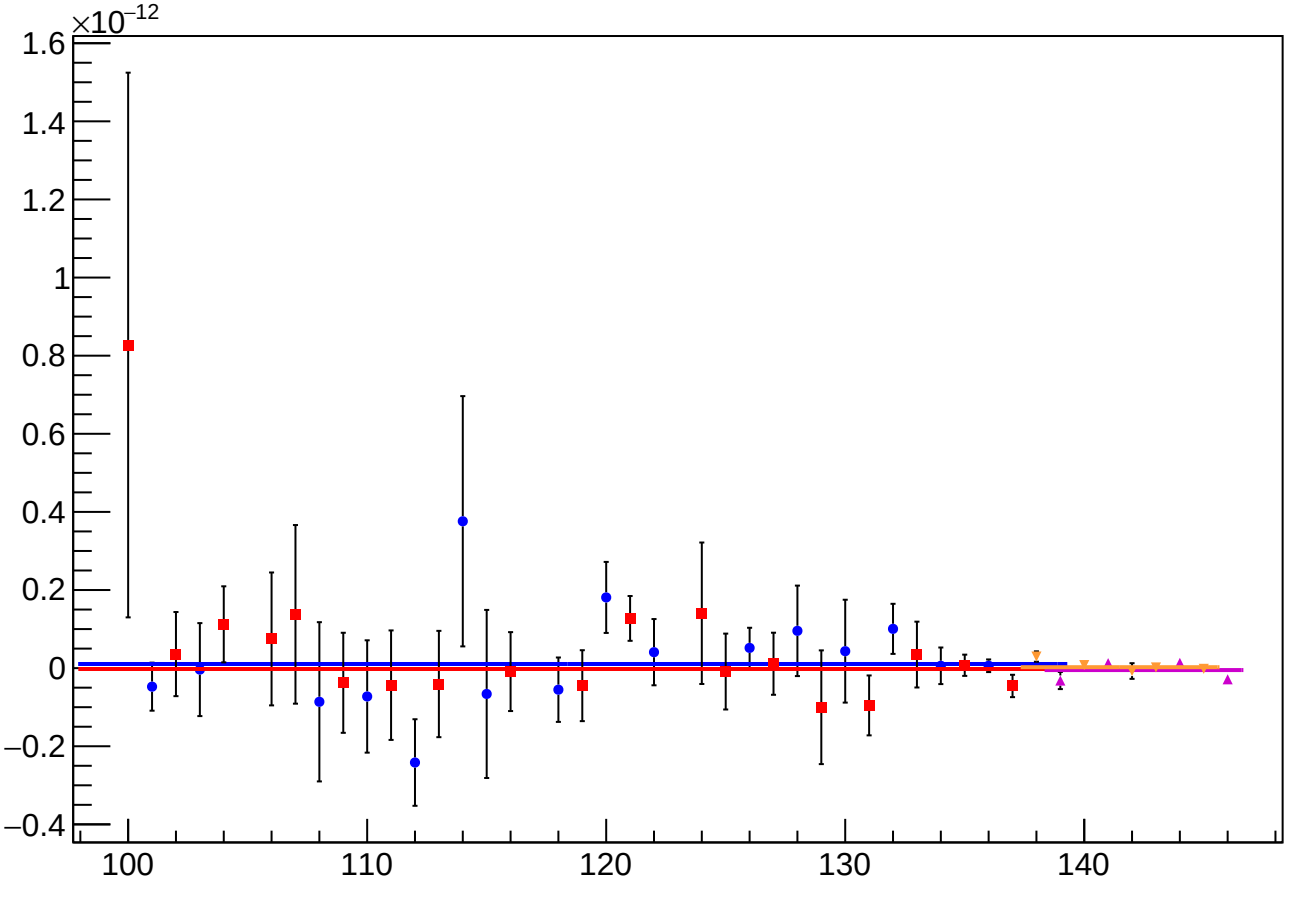
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 51.674+/-0.021 χ^2/NDF:218226.1/3

\+ sign 54.801+/-0.013 χ^2/NDF: 2316824.6/20

All: 54.777+/-0.009 χ^2/NDF: 5125408.7/43

\- sign 54.752+/-0.013 χ^2/NDF: 2808576.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/4

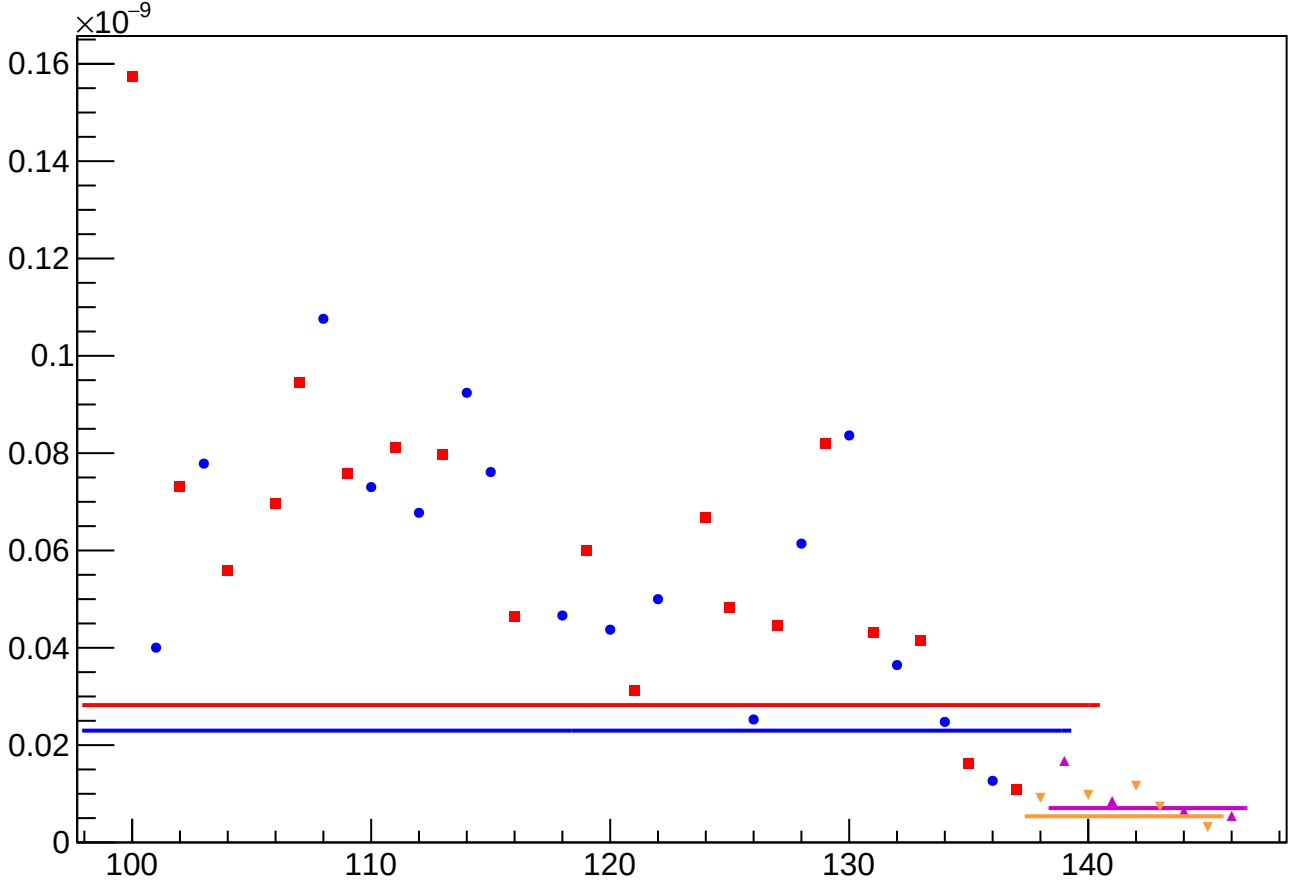
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.4/20

All: 0.000+/-0.000 χ^2/NDF: 54.2/43

- sign -0.000+/-0.000 χ^2/NDF: 31.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1084490.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

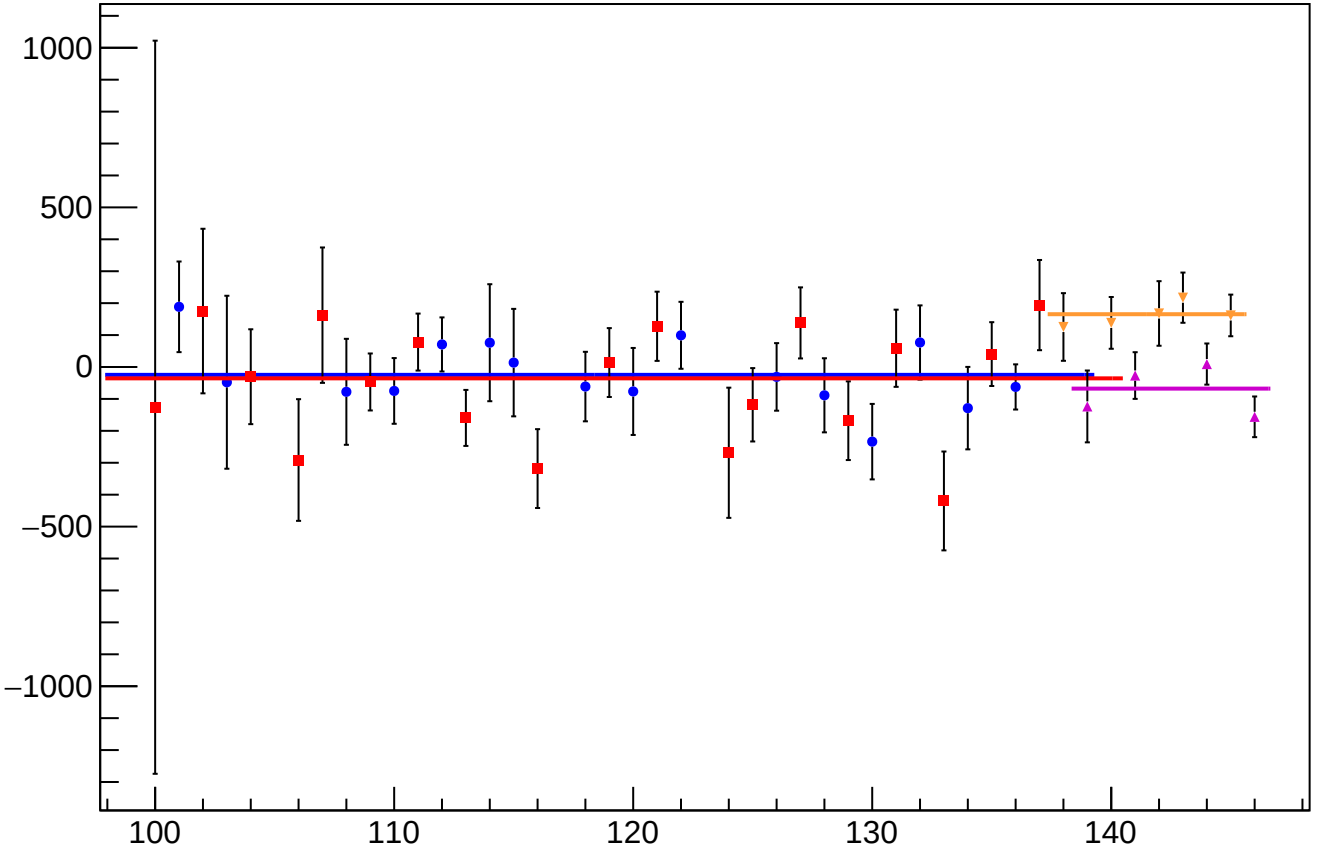
Left In: 0.000+/-0.000 χ^2/NDF:510357.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 8184406.4/20

All: 0.000+/-0.000 χ^2/NDF: 16140249.6/43

- sign 0.000+/-0.000 χ^2/NDF: 7696881.1/22

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 165.372+/-36.869 χ^2/NDF:0.7/4

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

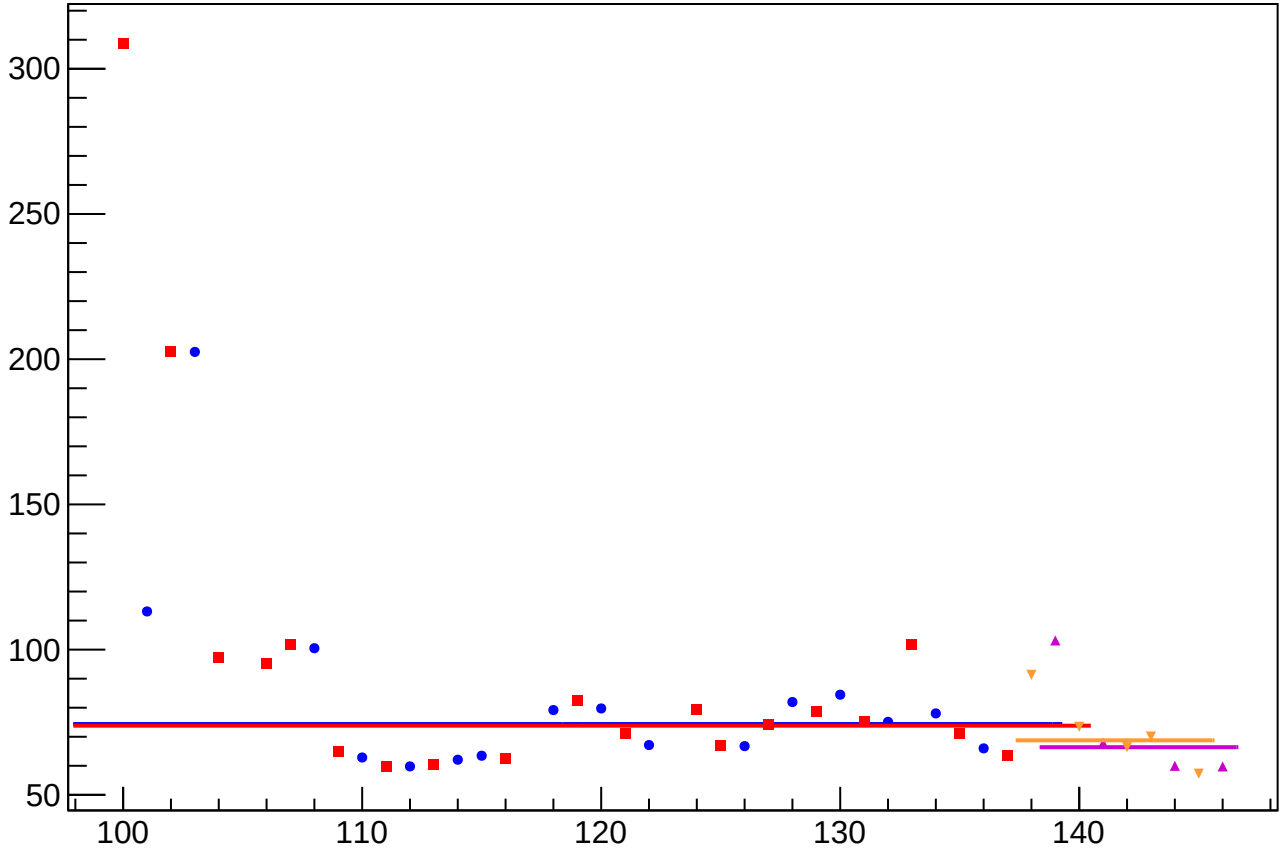
Left In: -67.716+/-36.441 χ^2/NDF:3.9/3

+ sign 47.719+/-22.751 χ^2/NDF: 28.2/20

All: -0.701+/-15.972 χ^2/NDF: 71.6/43

- sign -47.753+/-22.427 χ^2/NDF: 34.5/22

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 68.768+/-0.026 χ^2/NDF:160808.4/4

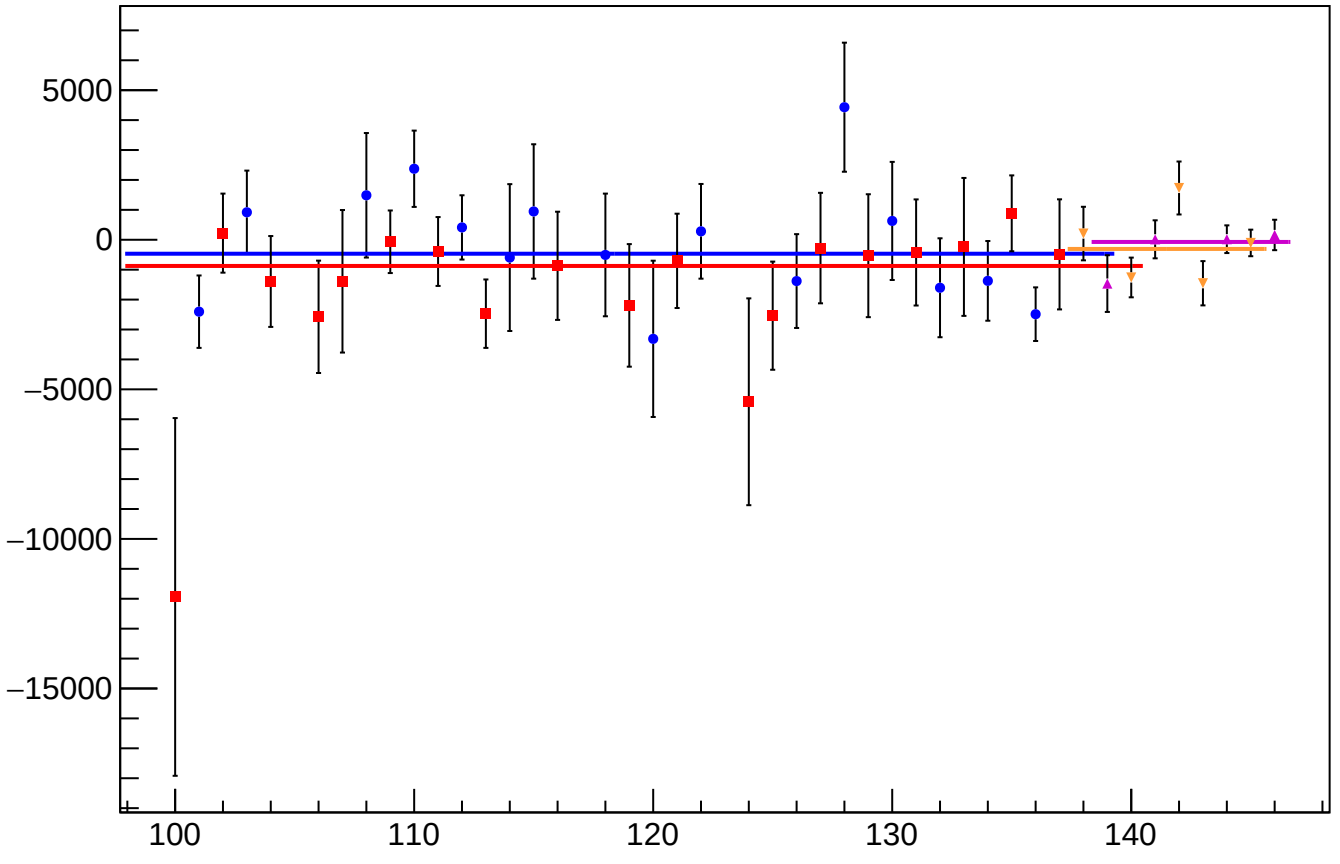
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

+ sign 72.236+/-0.016 χ^2/NDF: 1016972.4/20

All: 71.614+/-0.011 χ^2/NDF: 2258890.1/43

- sign 71.009+/-0.016 χ^2/NDF: 1238965.6/22



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -306.506+/-292.397 χ^2/NDF:10.3/4

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

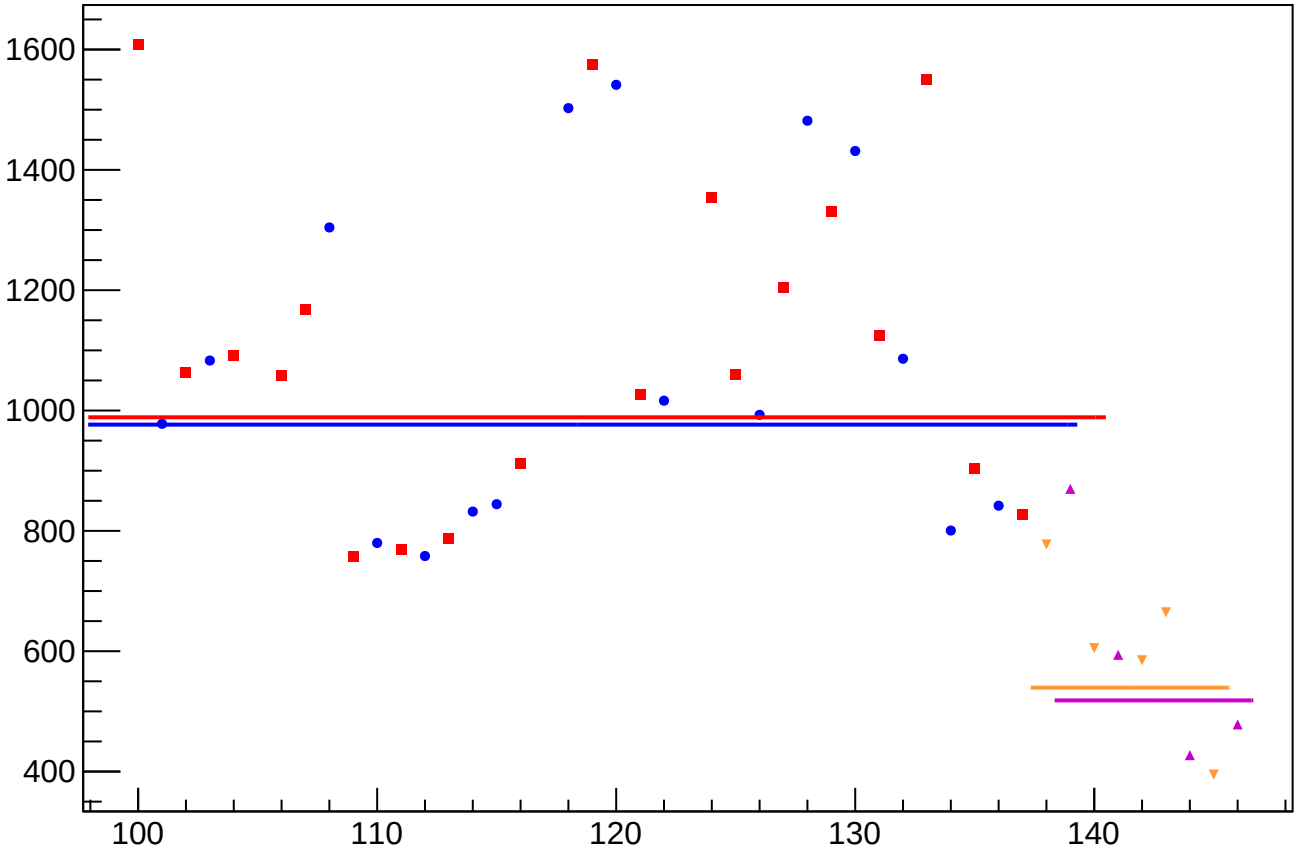
Left In: -72.984+/-287.171 χ^2/NDF:2.4/3

\+ sign -367.002+/-230.593 χ^2/NDF: 34.1/20

All: -369.715+/-161.903 χ^2/NDF: 52.5/43

\- sign -372.352+/-227.372 χ^2/NDF: 18.4/22

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 539.387+/-0.207 χ^2/NDF:435401.9/4

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

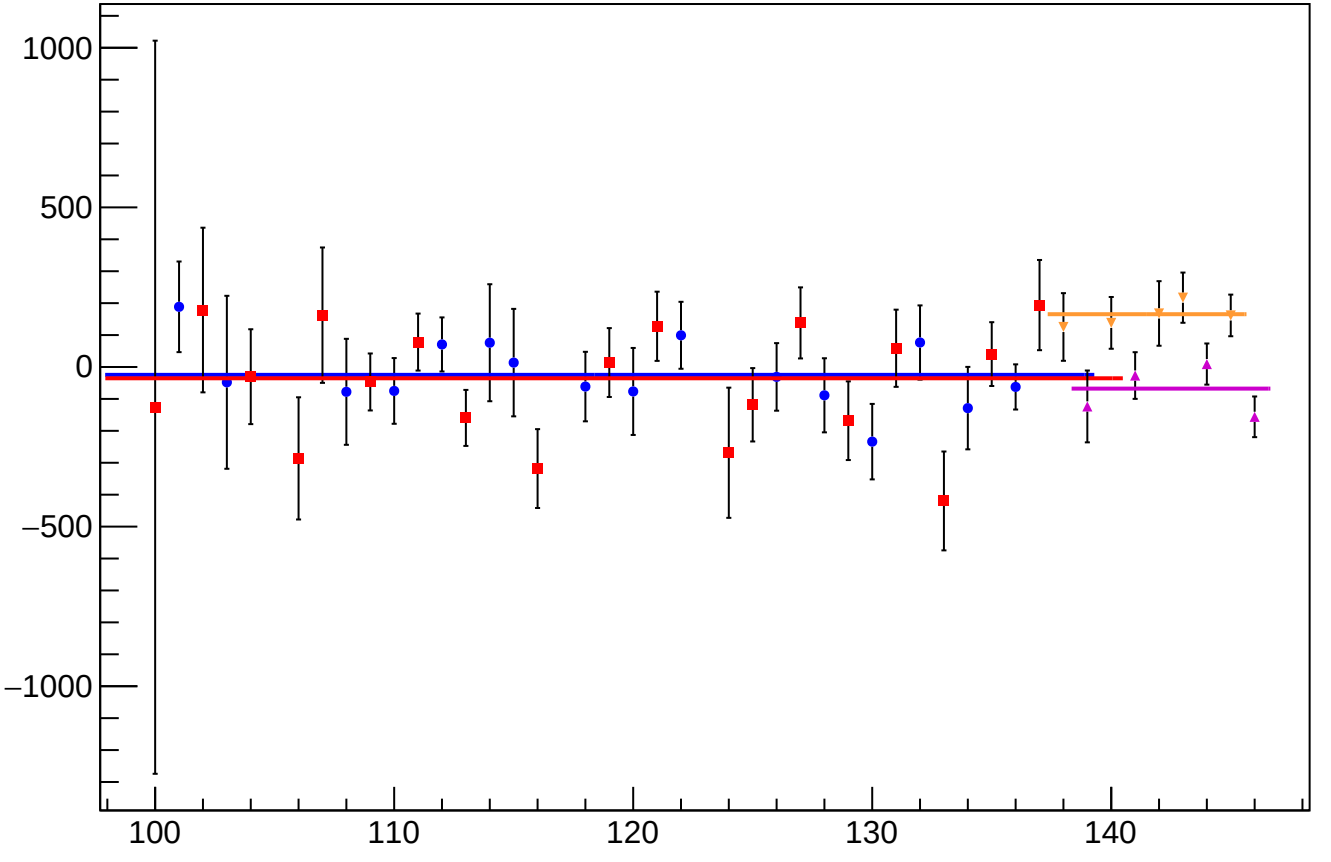
Left In: 518.268+/-0.203 χ^2/NDF:393131.6/3

+ sign 704.673+/-0.163 χ^2/NDF: 2862441.2/20

All: 699.166+/-0.114 χ^2/NDF: 5976577.1/43

- sign 693.812+/-0.161 χ^2/NDF: 3111886.4/22

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 165.375+/-36.869 χ^2/NDF:0.7/4

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

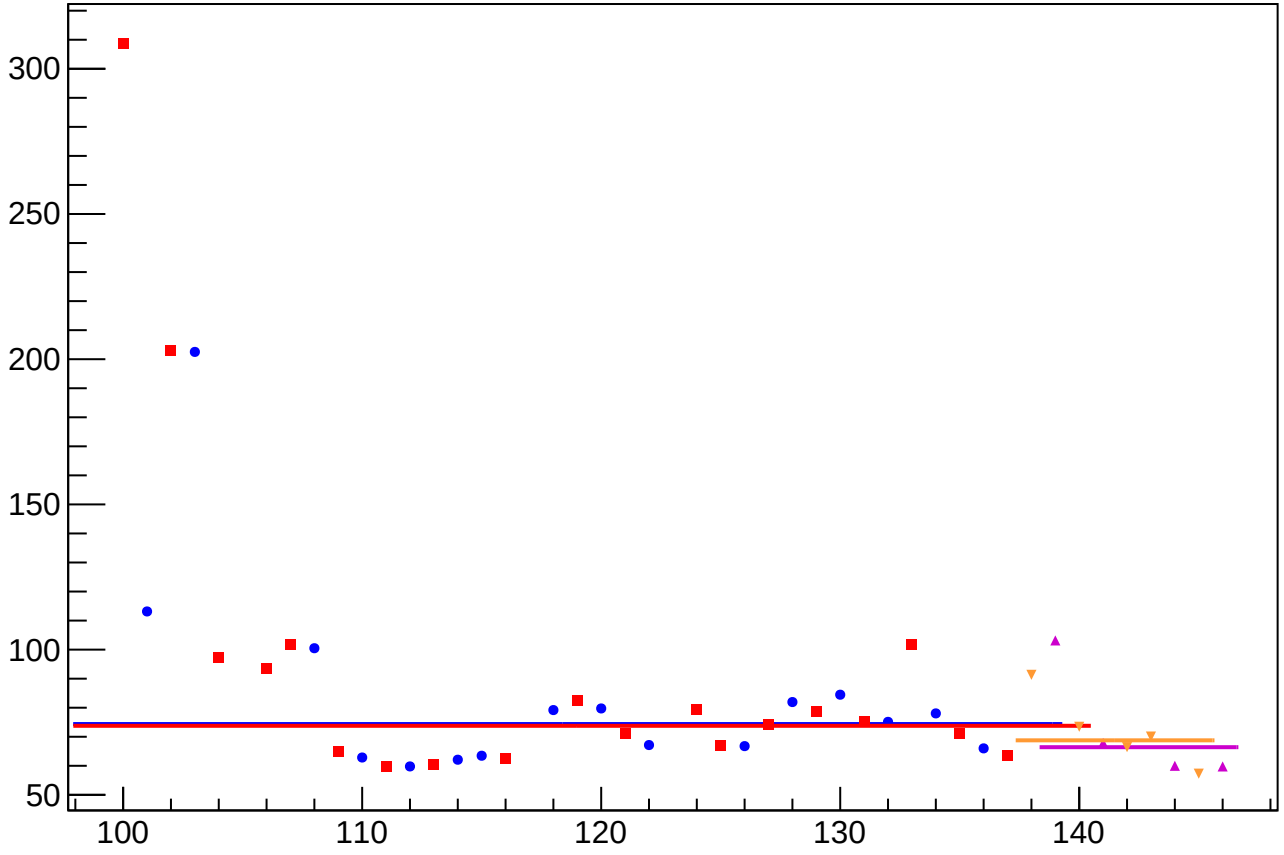
Left In: -67.713+/-36.441 χ^2/NDF:3.9/3

+ sign 47.716+/-22.751 χ^2/NDF: 28.2/20

All: -0.638+/-15.972 χ^2/NDF: 71.5/43

- sign -47.630+/-22.429 χ^2/NDF: 34.4/22

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.768+/-0.026 χ^2/NDF:160808.4/4

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

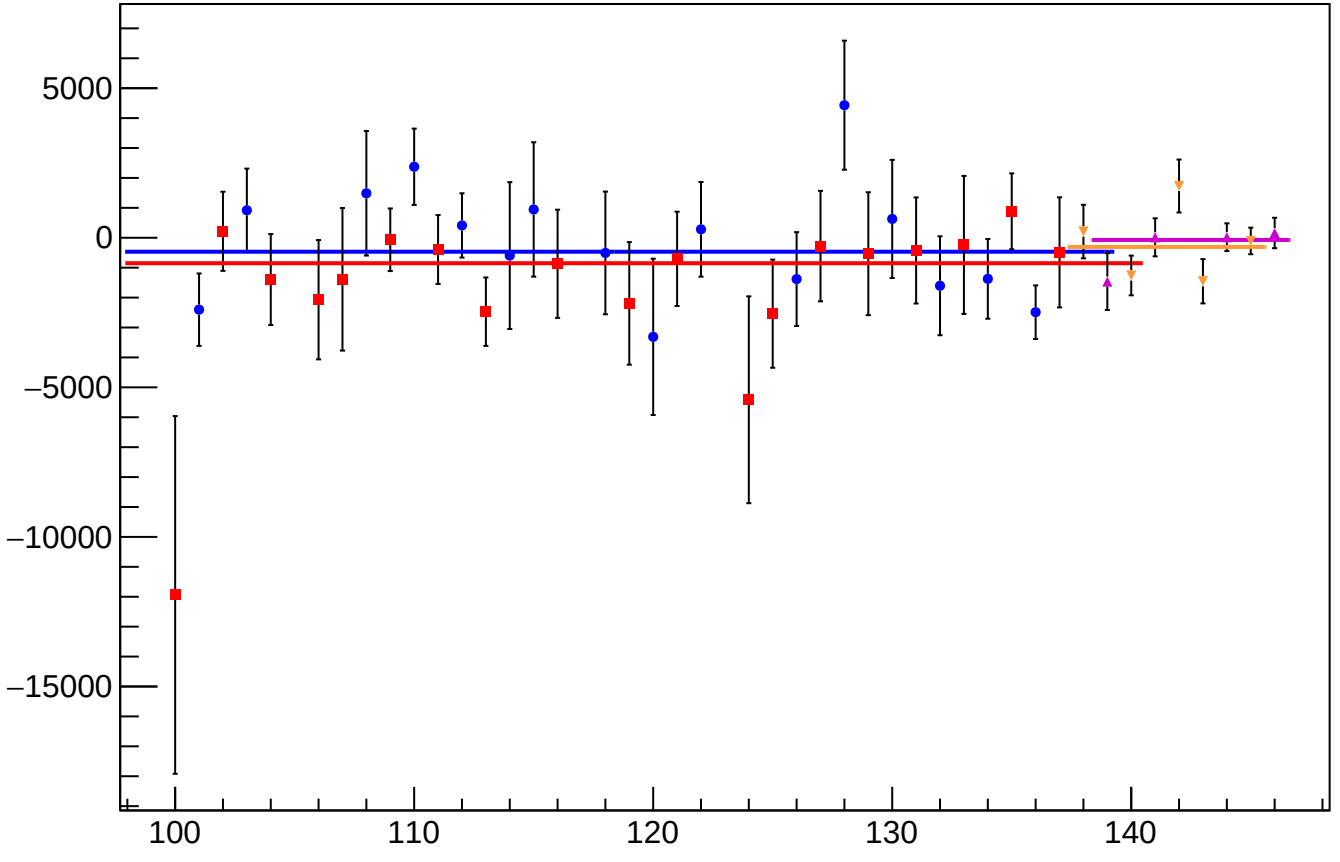
Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

+ sign 72.236+/-0.016 χ^2/NDF: 1016974.4/20

All: 71.600+/-0.011 χ^2/NDF: 2254652.3/43

- sign 70.982+/-0.016 χ^2/NDF: 1234597.8/22

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -306.499+/-292.397 χ^2/NDF:10.3/4

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

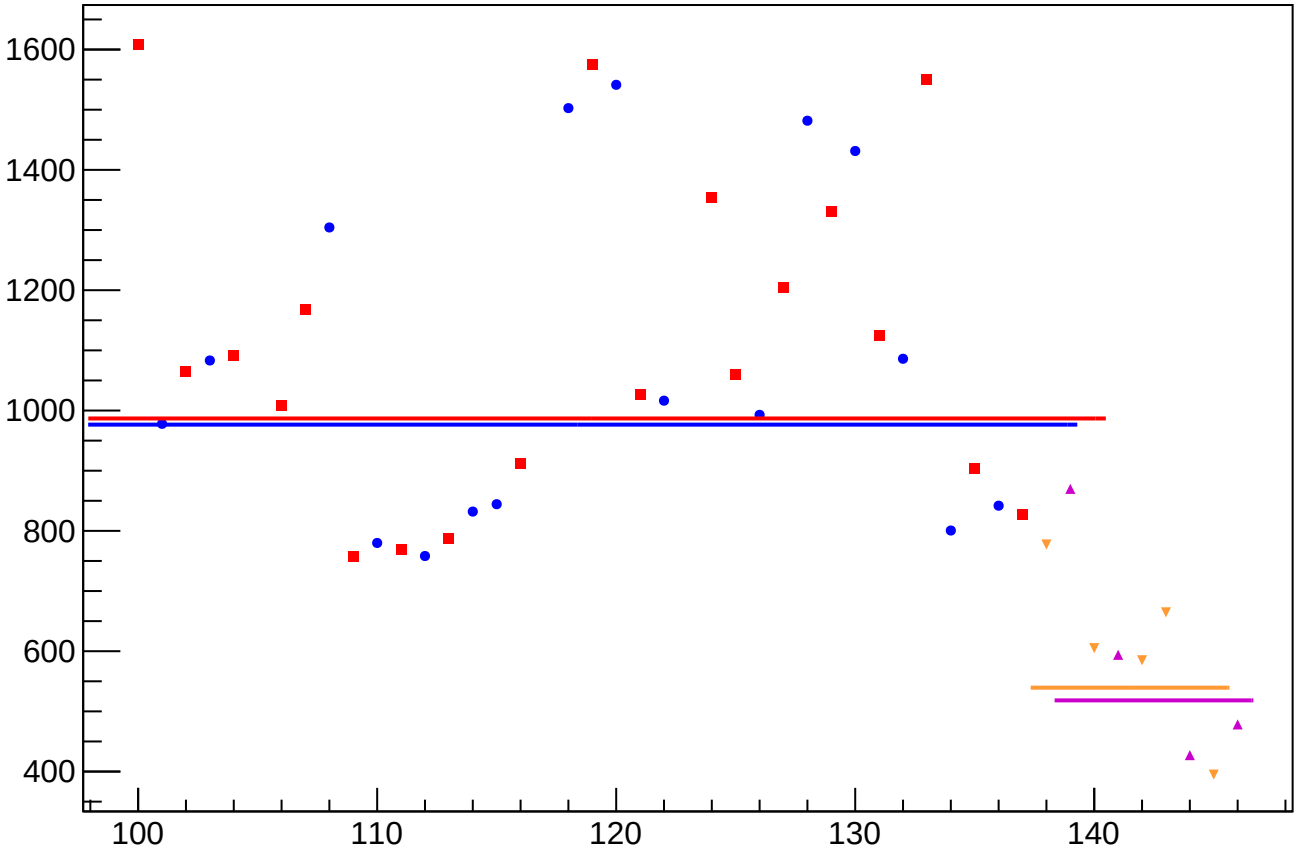
Left In: -72.986+/-287.171 χ^2/NDF:2.4/3

+ sign -366.993+/-230.594 χ^2/NDF: 34.1/20

All: -364.638+/-161.974 χ^2/NDF: 51.8/43

- sign -362.344+/-227.566 χ^2/NDF: 17.7/22

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 539.387+/-0.207 χ^2/NDF:435400.4/4

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

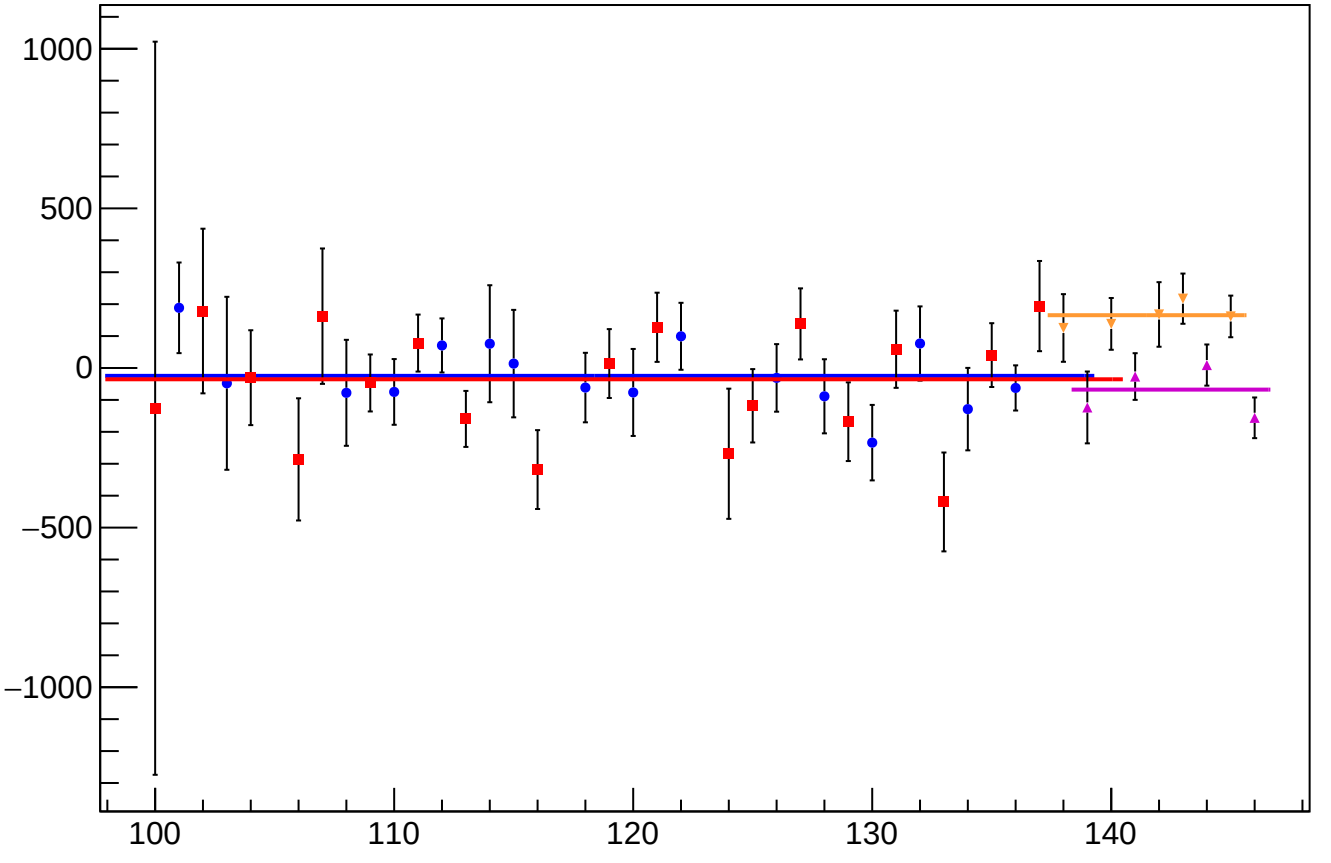
Left In: 518.268+/-0.203 χ^2/NDF:393132.6/3

+ sign 704.674+/-0.163 χ^2/NDF: 2862496.3/20

All: 698.550+/-0.115 χ^2/NDF: 5952597.6/43

- sign 692.587+/-0.161 χ^2/NDF: 3087317.5/22

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 165.375+/-36.869 χ^2/NDF:0.7/4

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

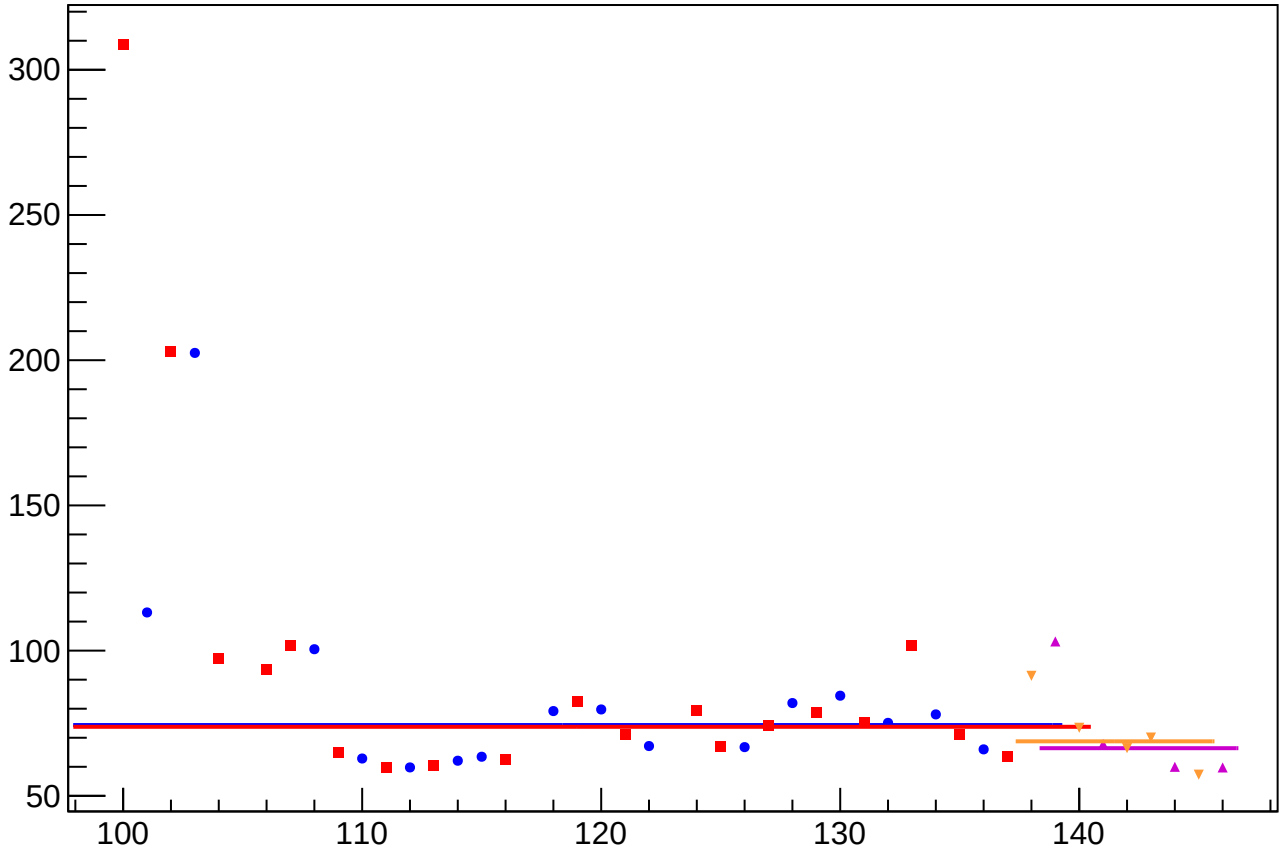
Left In: -67.713+/-36.441 χ^2/NDF:3.9/3

+ sign 47.716+/-22.751 χ^2/NDF: 28.2/20

All: -0.638+/-15.972 χ^2/NDF: 71.5/43

- sign -47.630+/-22.429 χ^2/NDF: 34.4/22

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.768+/-0.026 χ^2/NDF:160808.4/4

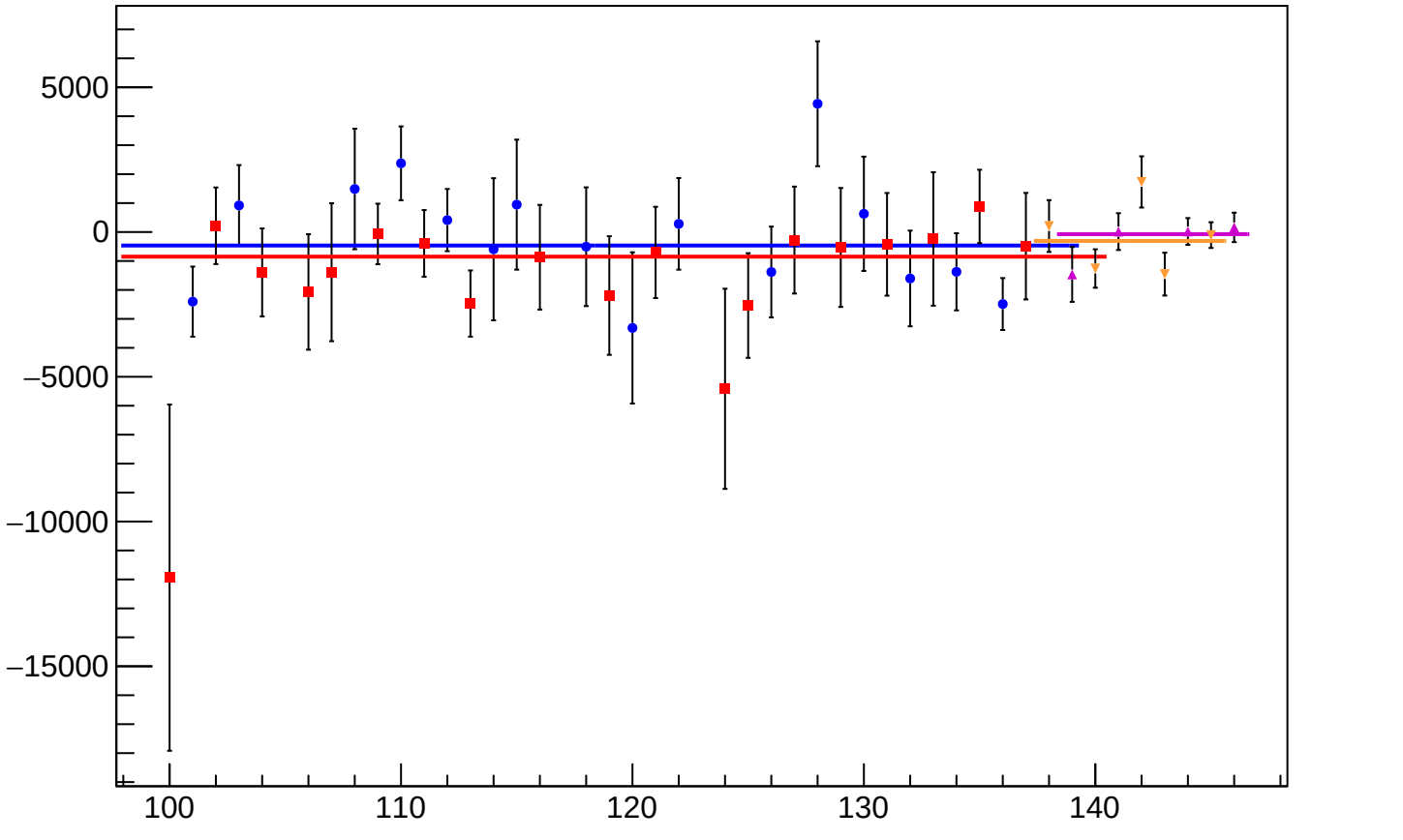
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

+ sign 72.236+/-0.016 χ^2/NDF: 1016974.4/20

All: 71.600+/-0.011 χ^2/NDF: 2254652.3/43

- sign 70.982+/-0.016 χ^2/NDF: 1234597.8/22



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -306.499+/-292.397 χ^2/NDF:10.3/4

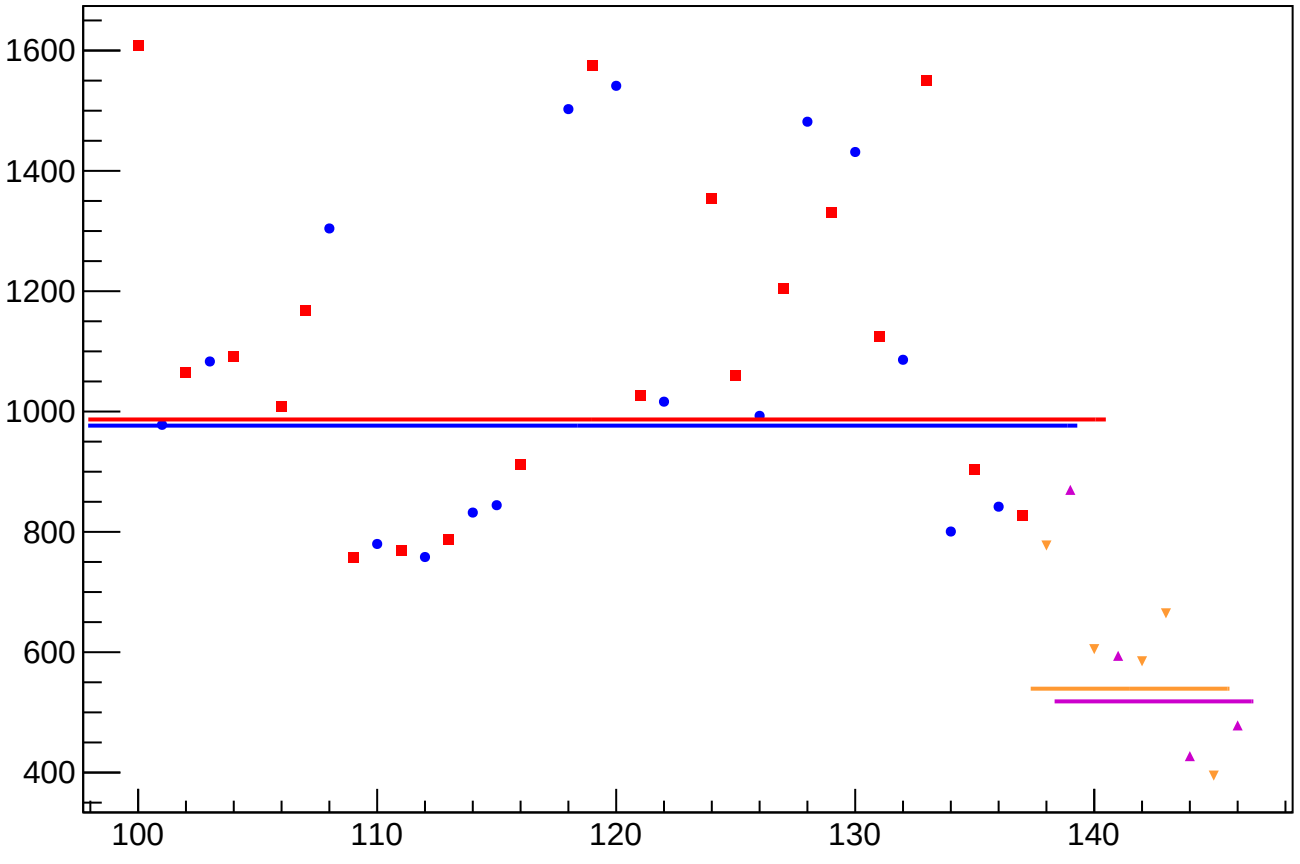
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -72.986+/-287.171 χ^2/NDF:2.4/3

+ sign -366.993+/-230.594 χ^2/NDF: 34.1/20

All: -364.638+/-161.974 χ^2/NDF: 51.8/43

- sign -362.344+/-227.566 χ^2/NDF: 17.7/22



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 539.387+/-0.207 χ^2/NDF:435400.4/4

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

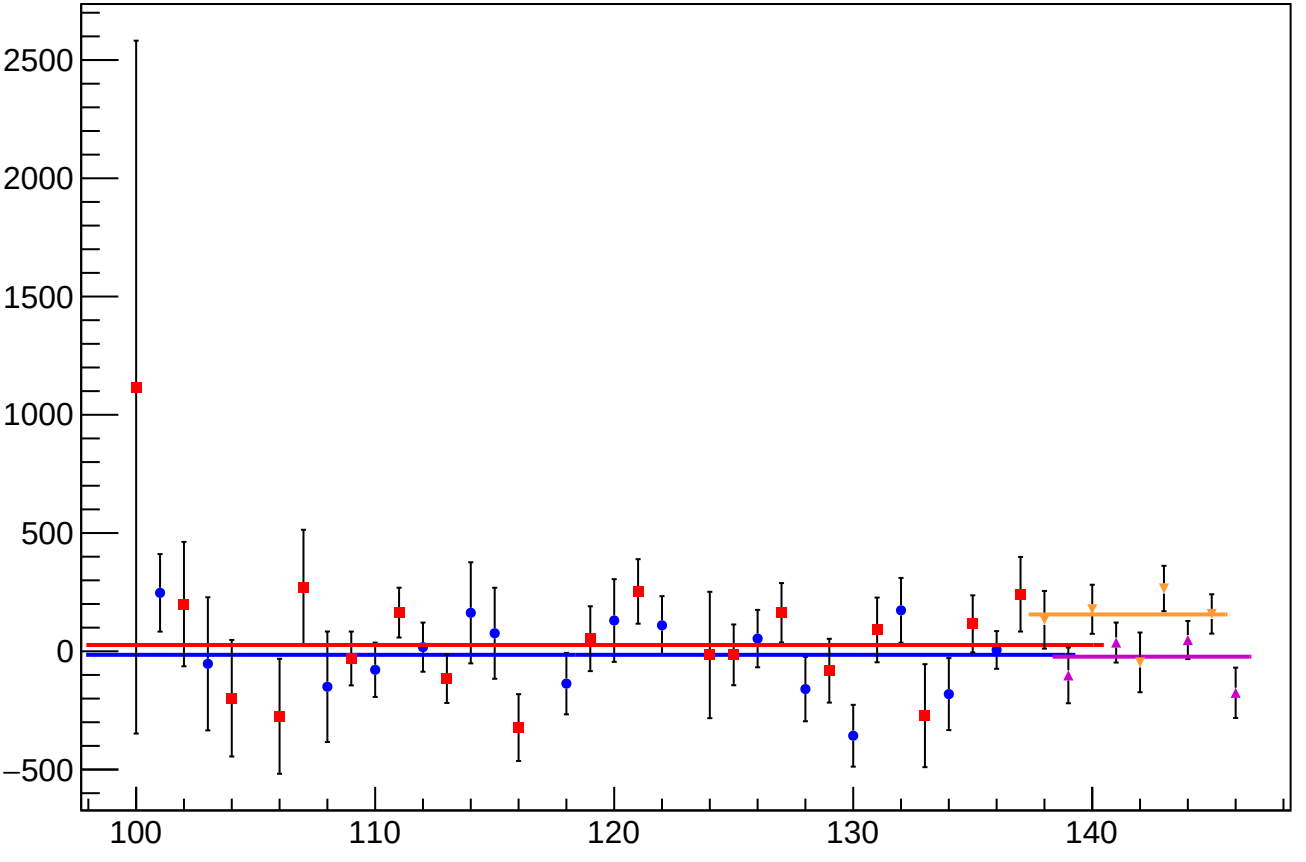
Left In: 518.268+/-0.203 χ^2/NDF:393132.6/3

+ sign 704.674+/-0.163 χ^2/NDF: 2862496.3/20

All: 698.550+/-0.115 χ^2/NDF: 5952597.6/43

- sign 692.587+/-0.161 χ^2/NDF: 3087317.5/22

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 155.748+/-45.848 χ^2/NDF:4.0/4

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

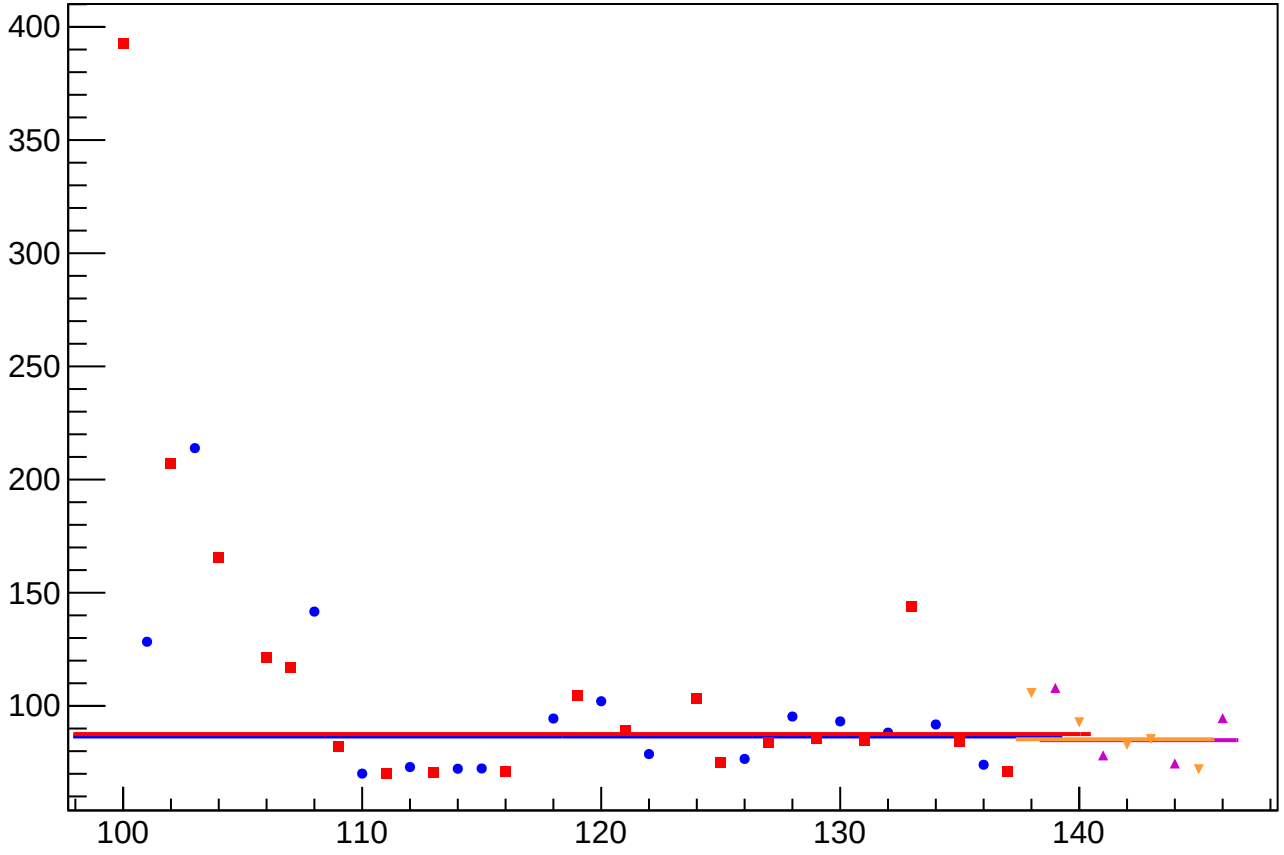
Left In: -22.769+/-46.919 χ^2/NDF:3.8/3

+ sign 45.064+/-27.185 χ^2/NDF: 31.2/20

All: 27.576+/-19.358 χ^2/NDF: 60.2/43

- sign 9.589+/-27.570 χ^2/NDF: 28.1/22

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 85.257+/-0.032 χ^2/NDF:118040.9/4

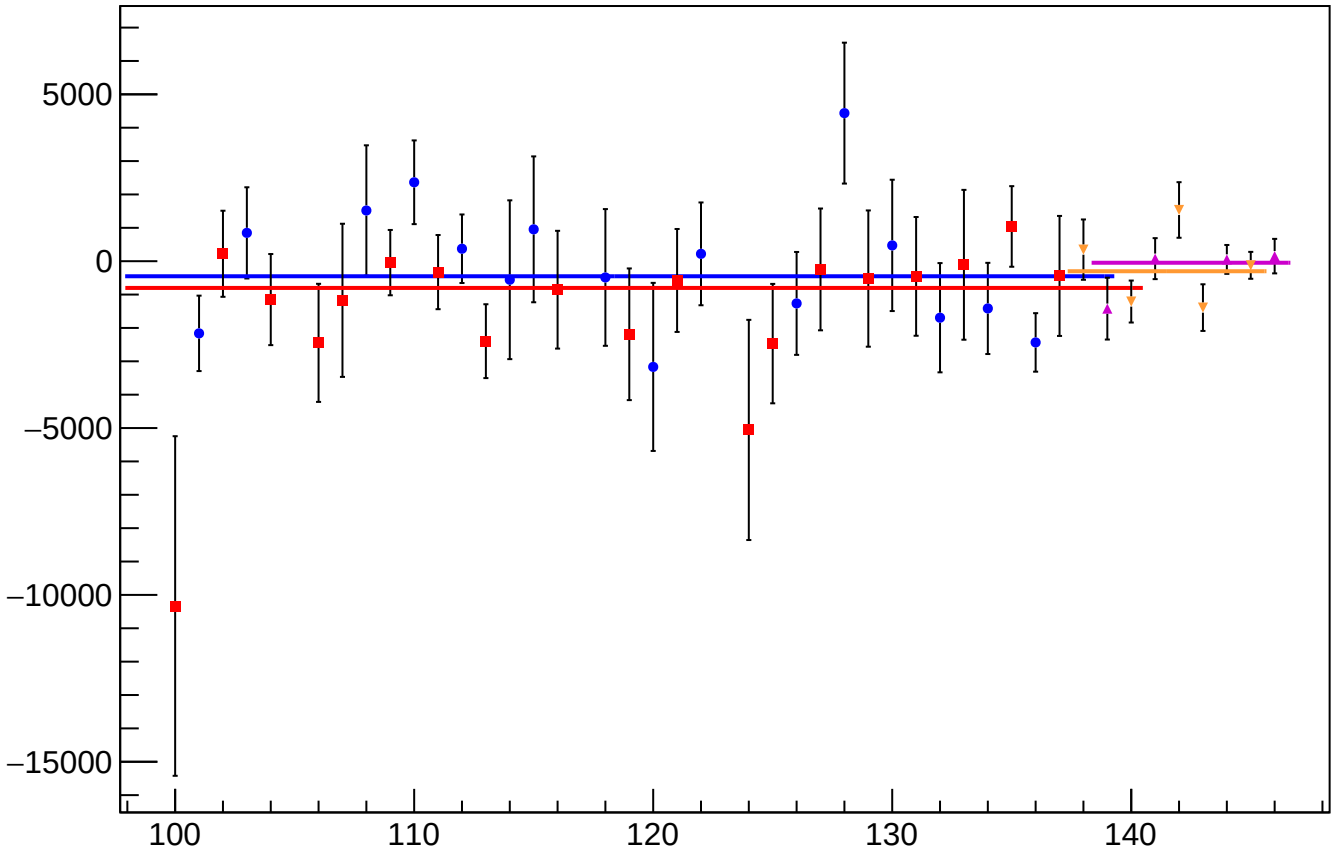
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 84.860+/-0.033 χ^2/NDF:138731.2/3

+ sign 86.056+/-0.019 χ^2/NDF: 975235.7/20

All: 86.336+/-0.014 χ^2/NDF: 2248511.0/43

- sign 86.624+/-0.019 χ^2/NDF: 1272844.2/22



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -300.832+/-273.244 χ^2/NDF:10.1/4

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

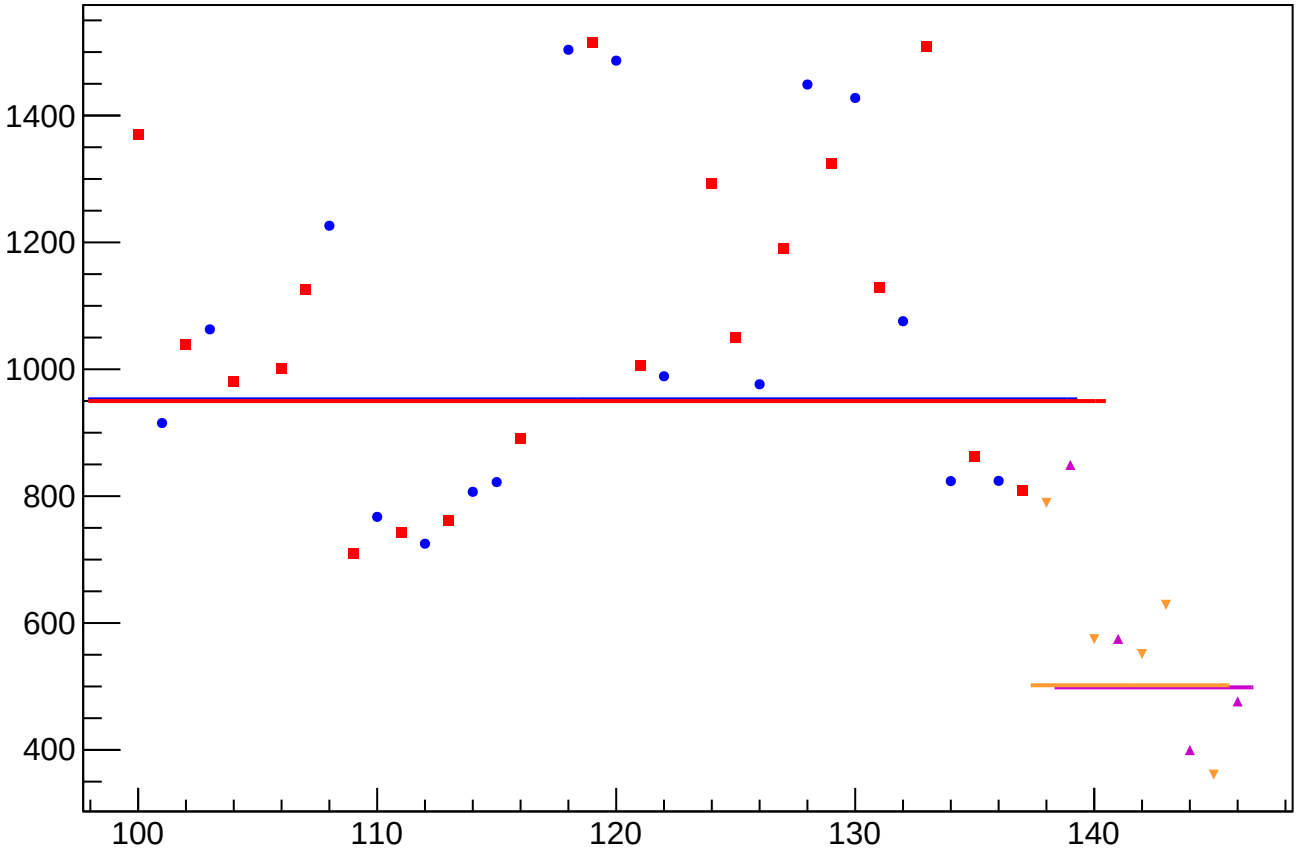
Left In: -46.436+/-278.416 χ^2/NDF:2.4/3

\+ sign -354.786+/-218.871 χ^2/NDF: 33.9/20

All: -342.952+/-155.073 χ^2/NDF: 52.8/43

\- sign -331.022+/-219.746 χ^2/NDF: 18.8/22

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 501.889+/-0.193 χ^2/NDF:545907.1/4

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

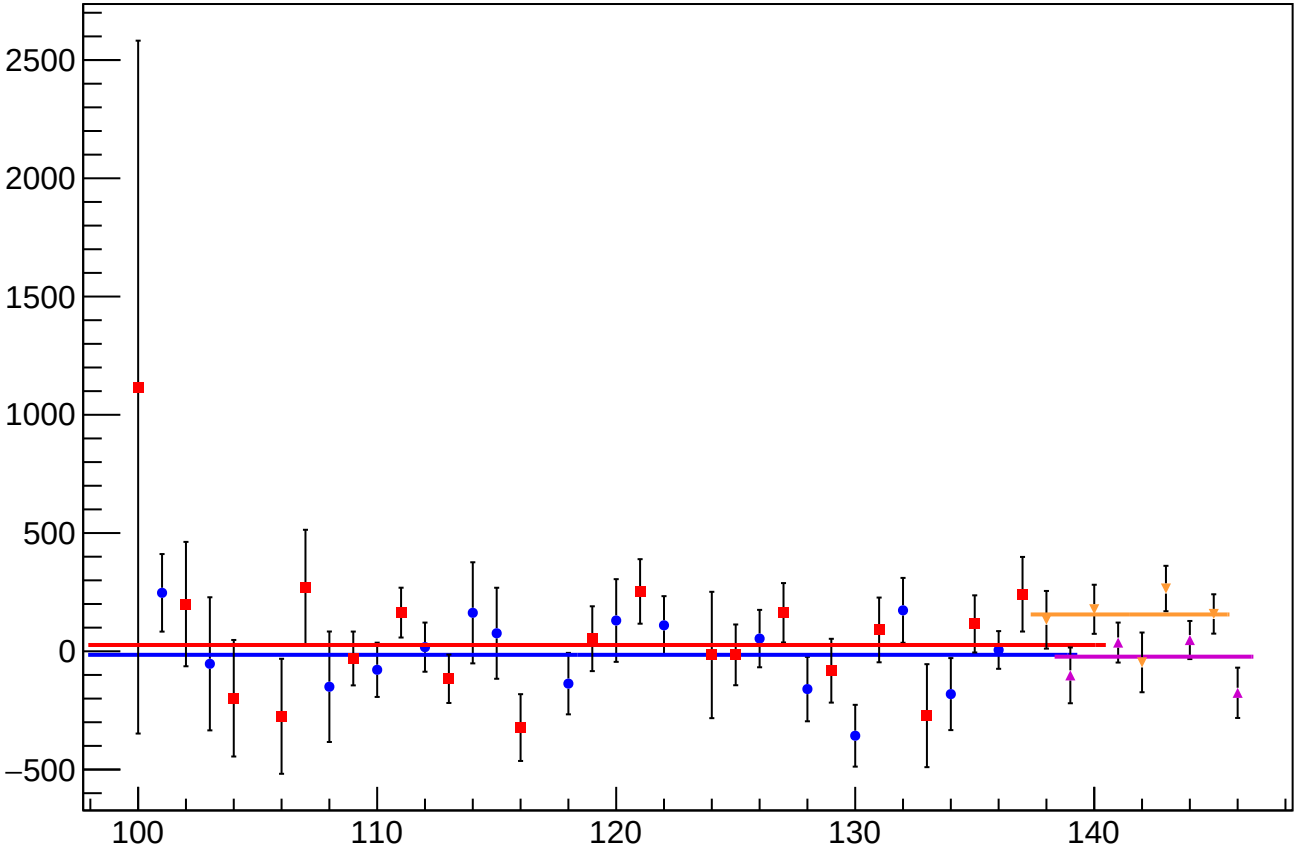
Left In: 498.617+/-0.197 χ^2/NDF:425705.9/3

+ sign 663.400+/-0.155 χ^2/NDF: 3242013.2/20

All: 666.074+/-0.110 χ^2/NDF: 6401170.2/43

- sign 668.771+/-0.155 χ^2/NDF: 3158557.2/22

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 155.746+/-45.848 χ^2/NDF:4.0/4

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

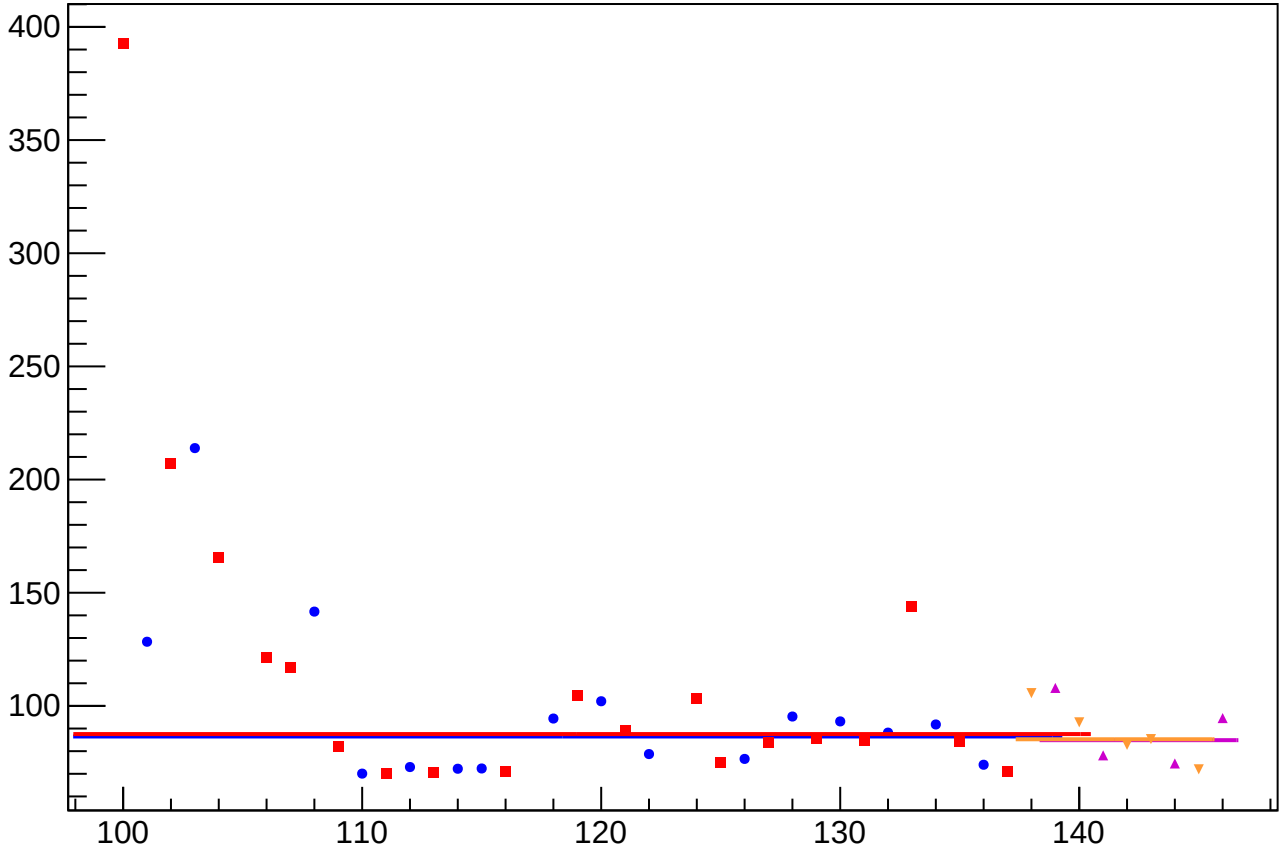
Left In: -22.770+/-46.919 χ^2/NDF:3.8/3

+ sign 45.063+/-27.186 χ^2/NDF: 31.2/20

All: 27.576+/-19.358 χ^2/NDF: 60.2/43

- sign 9.591+/-27.570 χ^2/NDF: 28.1/22

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 85.257+/-0.032 χ^2/NDF:118038.7/4

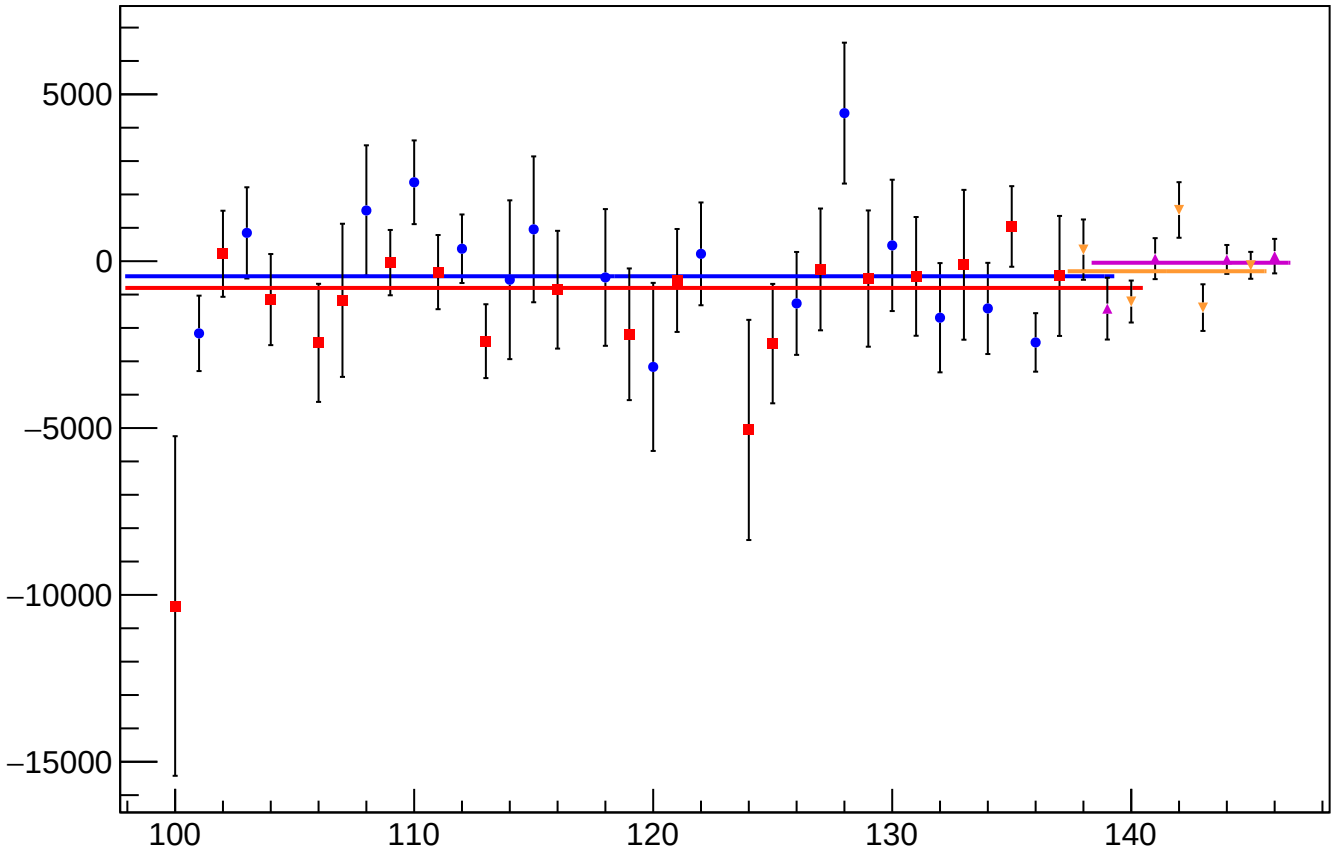
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 84.860+/-0.033 χ^2/NDF:138729.3/3

+ sign 86.056+/-0.019 χ^2/NDF: 975225.0/20

All: 86.336+/-0.014 χ^2/NDF: 2248496.6/43

- sign 86.625+/-0.019 χ^2/NDF: 1272840.6/22



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -300.835+/-273.243 χ^2/NDF:10.1/4

Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

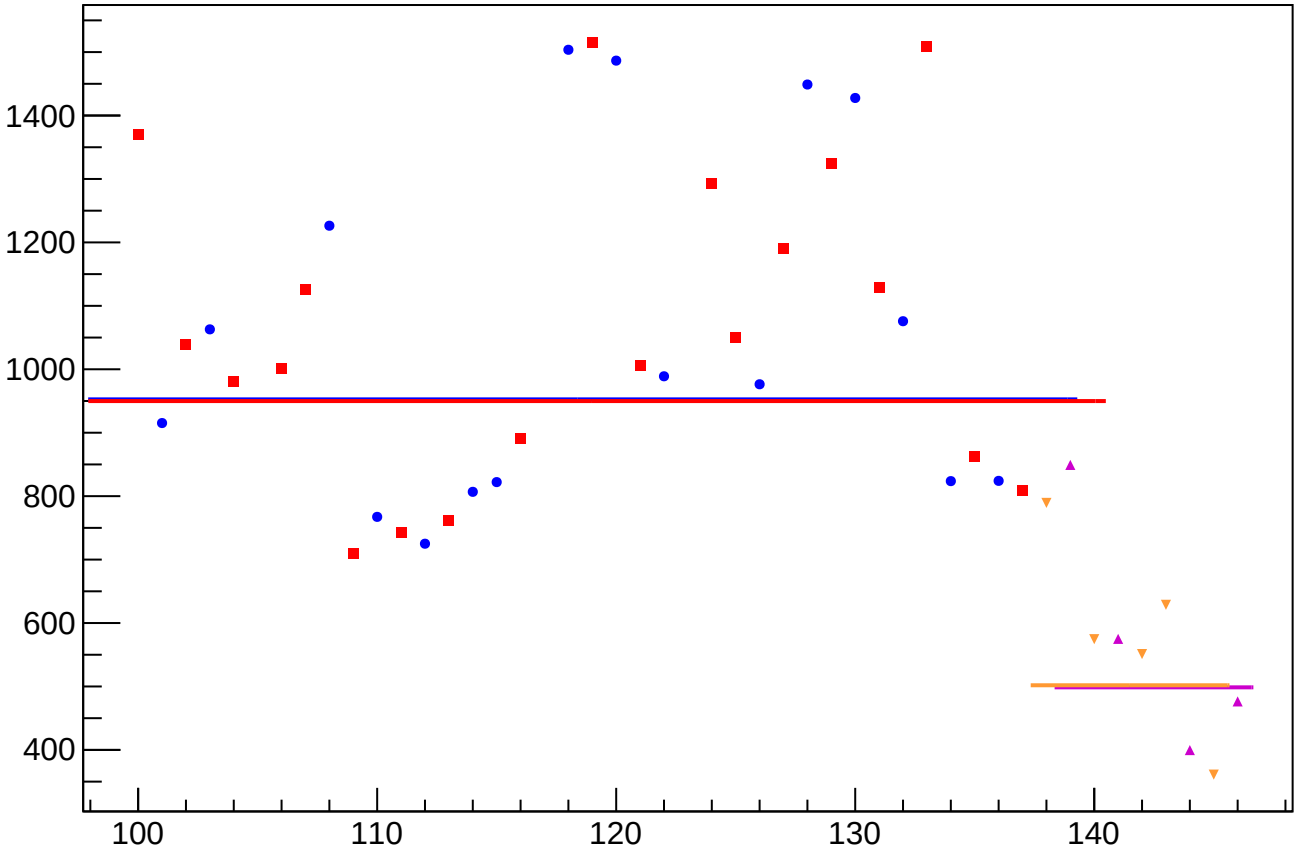
Left In: -46.435+/-278.416 χ^2/NDF:2.4/3

+ sign -354.788+/-218.870 χ^2/NDF: 33.9/20

All: -342.952+/-155.073 χ^2/NDF: 52.8/43

- sign -331.023+/-219.745 χ^2/NDF: 18.8/22

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 501.888+/-0.193 χ^2/NDF:545908.5/4

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

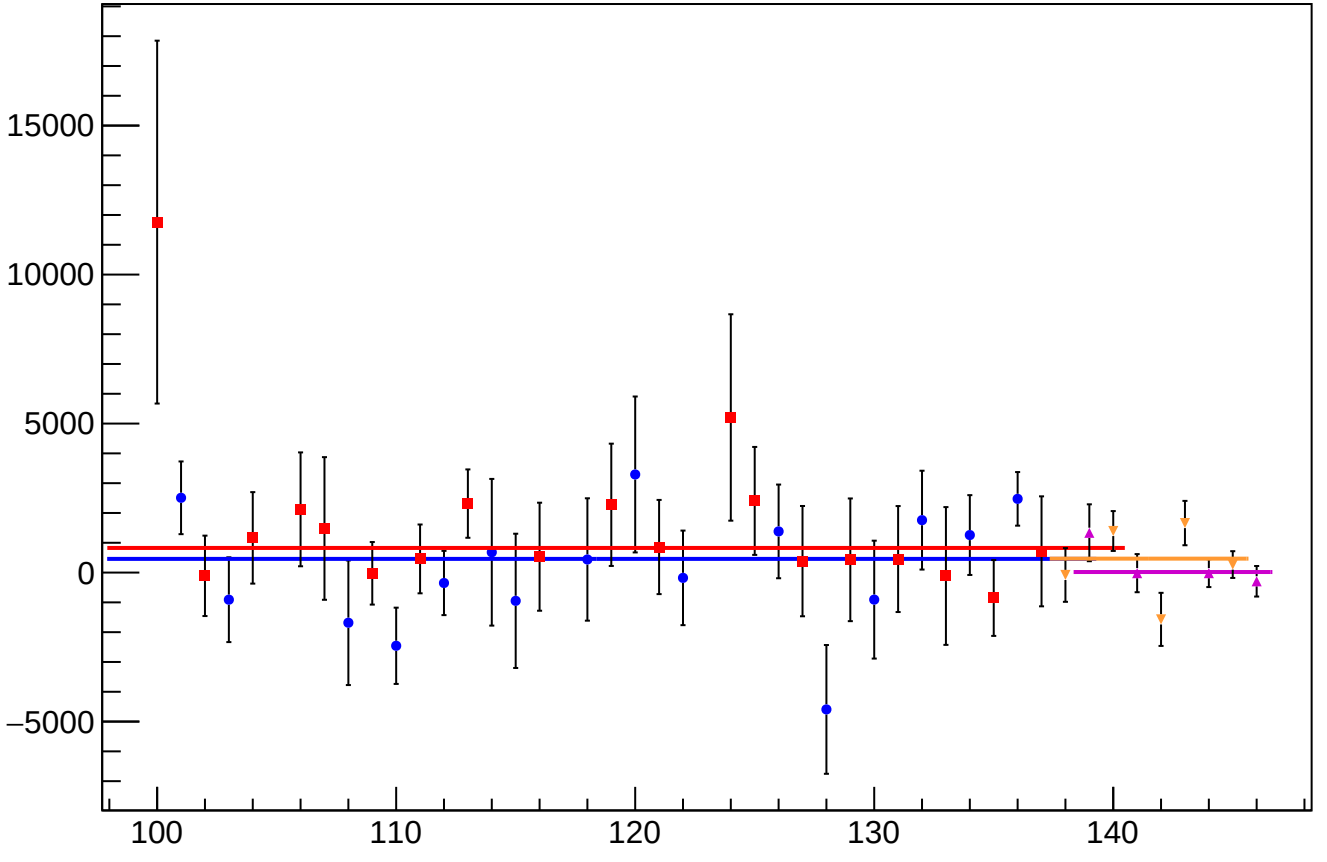
Left In: 498.617+/-0.197 χ^2/NDF:425707.4/3

+ sign 663.399+/-0.155 χ^2/NDF: 3242014.0/20

All: 666.074+/-0.110 χ^2/NDF: 6401165.8/43

- sign 668.770+/-0.155 χ^2/NDF: 3158551.9/22

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 467.432+/-294.962 χ^2/NDF:10.3/4

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

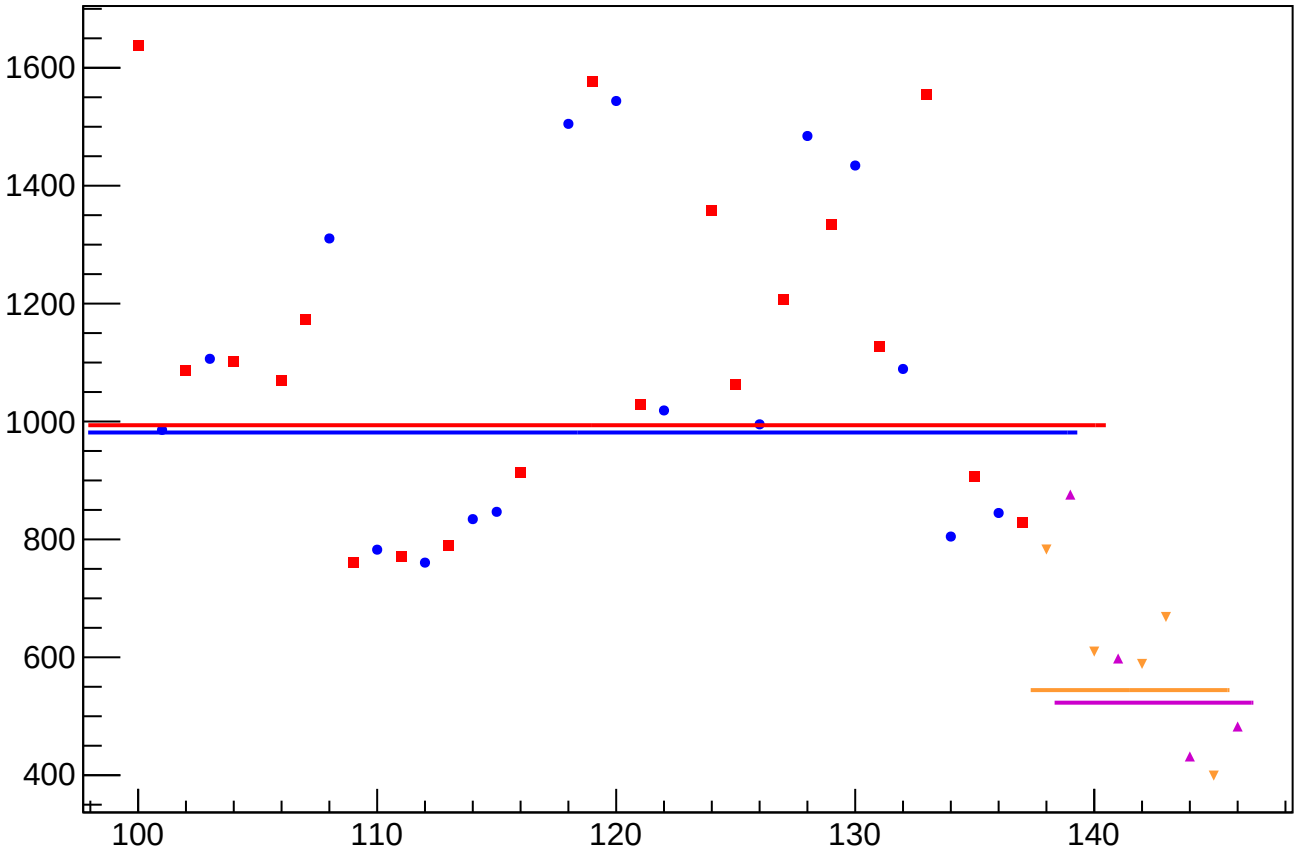
Left In: 18.493+/-289.701 χ^2/NDF:2.3/3

+ sign 464.281+/-232.279 χ^2/NDF: 34.9/20

All: 391.782+/-163.105 χ^2/NDF: 51.9/43

- sign 321.263+/-229.084 χ^2/NDF: 16.9/22

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 544.345+/-0.209 χ^2/NDF:428397.6/4

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

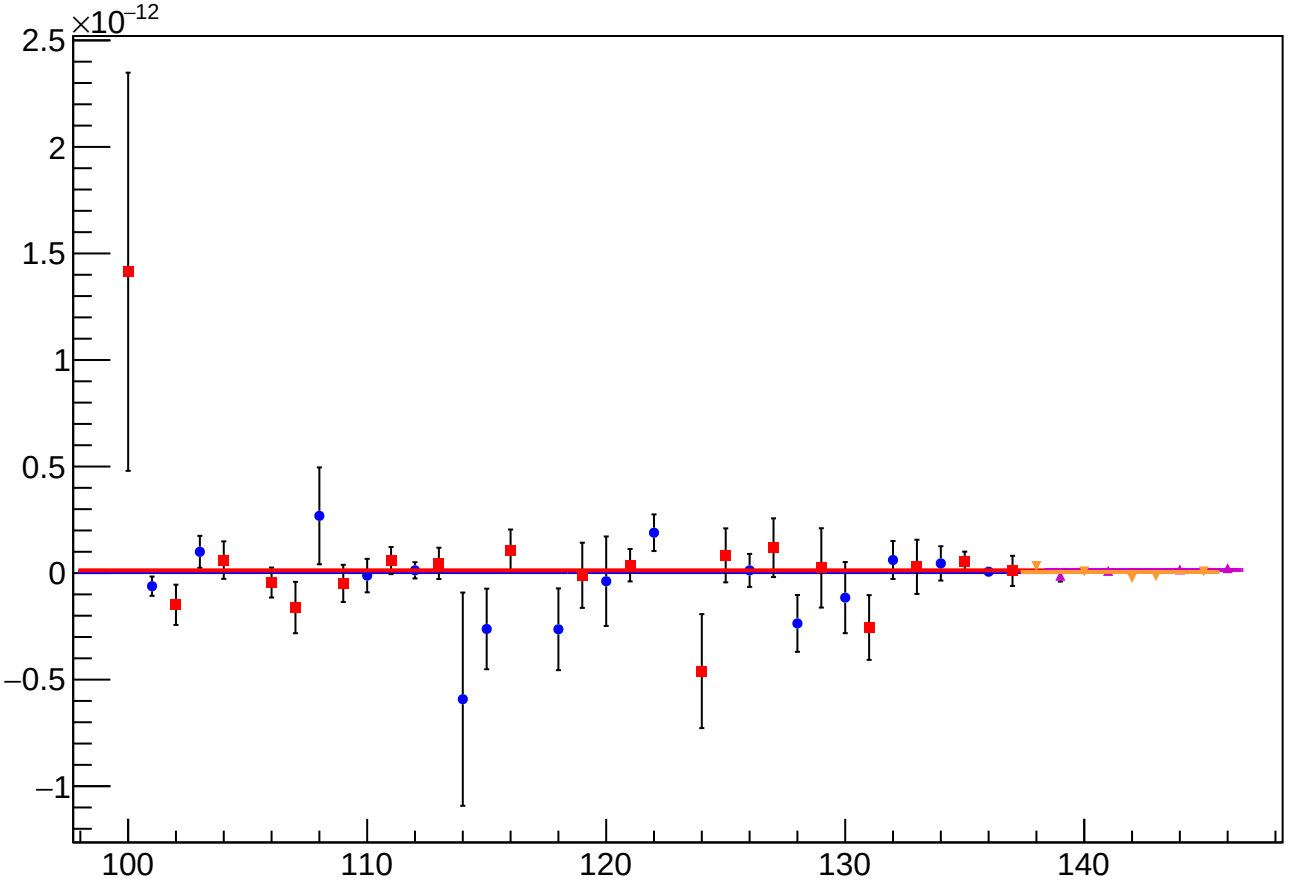
Left In: 523.021+/-0.205 χ^2/NDF:389411.8/3

+ sign 710.347+/-0.164 χ^2/NDF: 2833643.2/20

All: 704.786+/-0.115 χ^2/NDF: 5923138.0/43

- sign 699.378+/-0.162 χ^2/NDF: 3087233.6/22

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/4

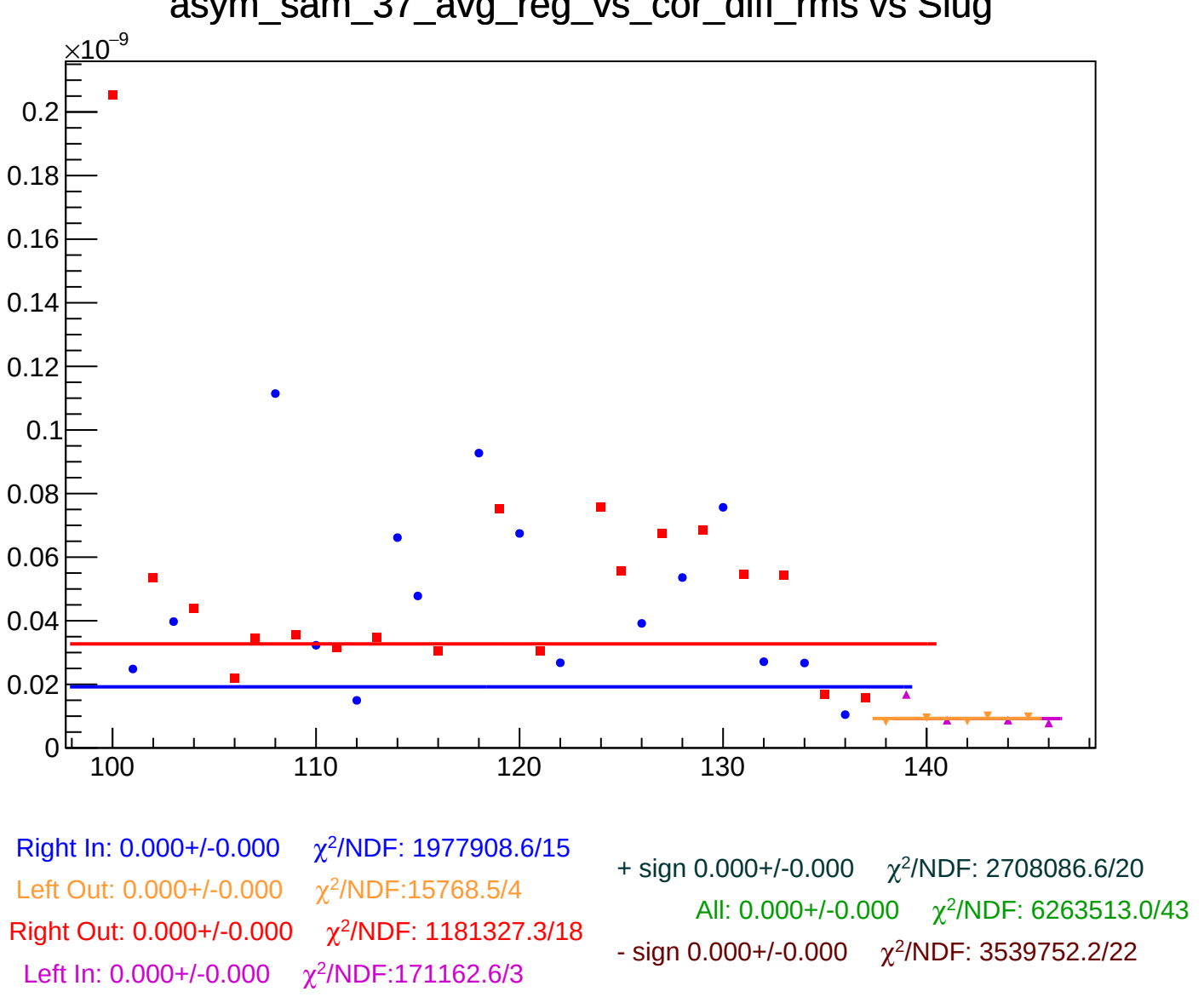
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

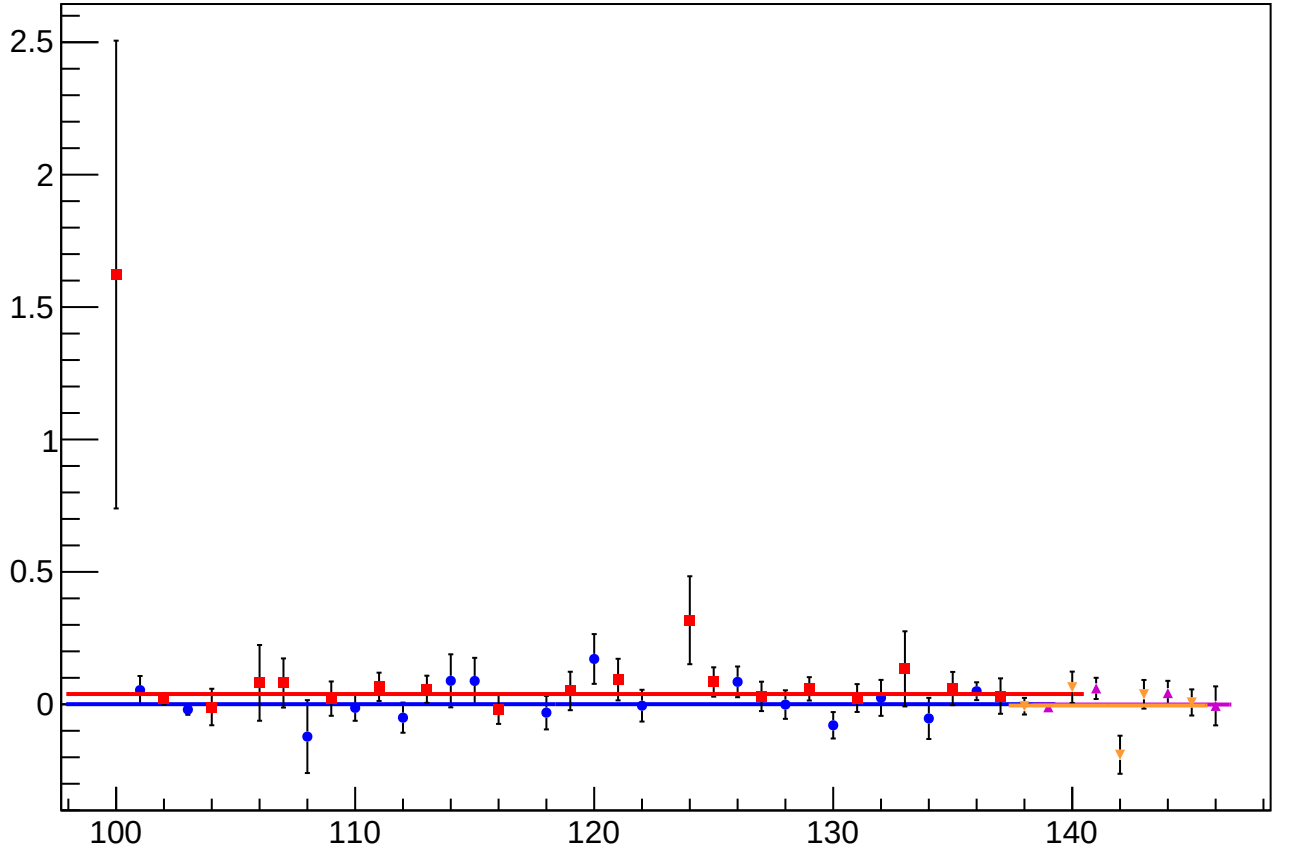
+ sign 0.000+/-0.000 χ^2/NDF: 24.7/20

All: 0.000+/-0.000 χ^2/NDF: 45.2/43

- sign 0.000+/-0.000 χ^2/NDF: 19.8/22


asym_sam_37_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15768.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:171162.6/3
+ sign 0.000+/-0.000 χ²/NDF: 2708086.6/20
All: 0.000+/-0.000 χ²/NDF: 6263513.0/43
- sign 0.000+/-0.000 χ²/NDF: 3539752.2/22

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: -0.004+/-0.021 χ^2/NDF:8.7/4

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

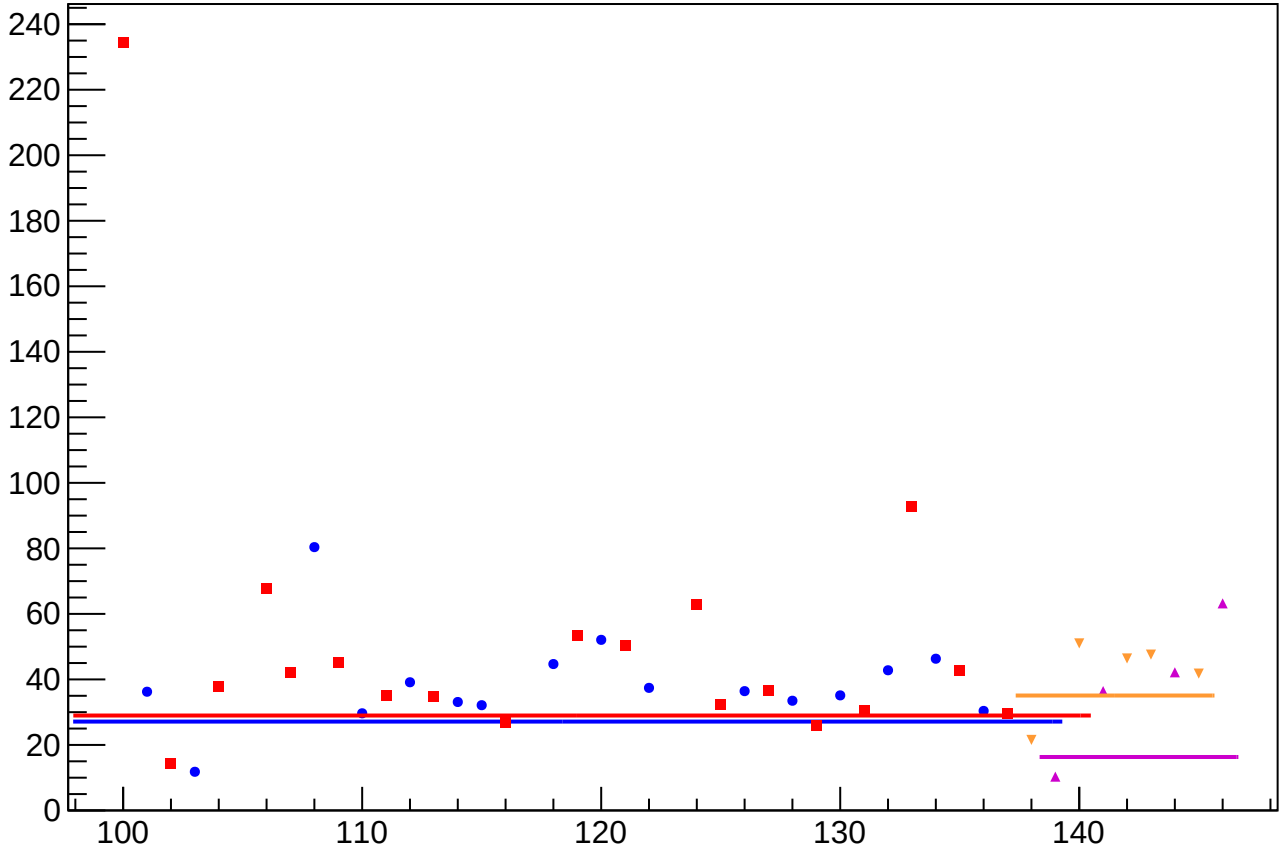
Left In: -0.001+/-0.012 χ^2/NDF:3.8/3

+ sign -0.001+/-0.010 χ^2/NDF: 25.2/20

All: 0.010+/-0.007 χ^2/NDF: 47.2/43

- sign 0.018+/-0.009 χ^2/NDF: 20.0/22

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: 35.083+/-0.015 χ^2/NDF:710281.9/4

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

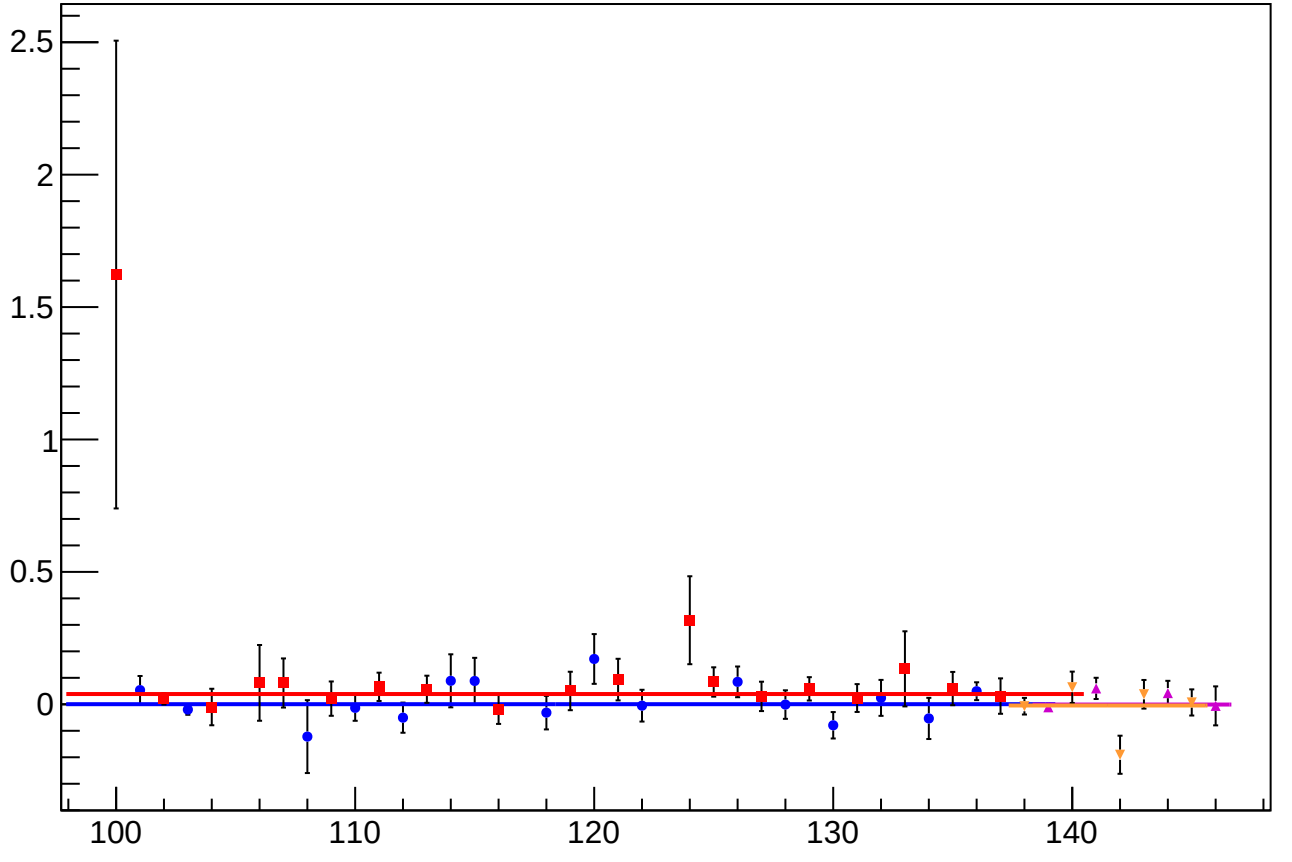
Left In: 16.319+/-0.009 χ^2/NDF:2337833.8/3

+ sign 29.080+/-0.007 χ^2/NDF: 3340131.1/20

All: 25.138+/-0.005 χ^2/NDF: 9664115.2/43

- sign 22.380+/-0.006 χ^2/NDF: 5840457.8/22

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.021 χ^2/NDF:8.7/4

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

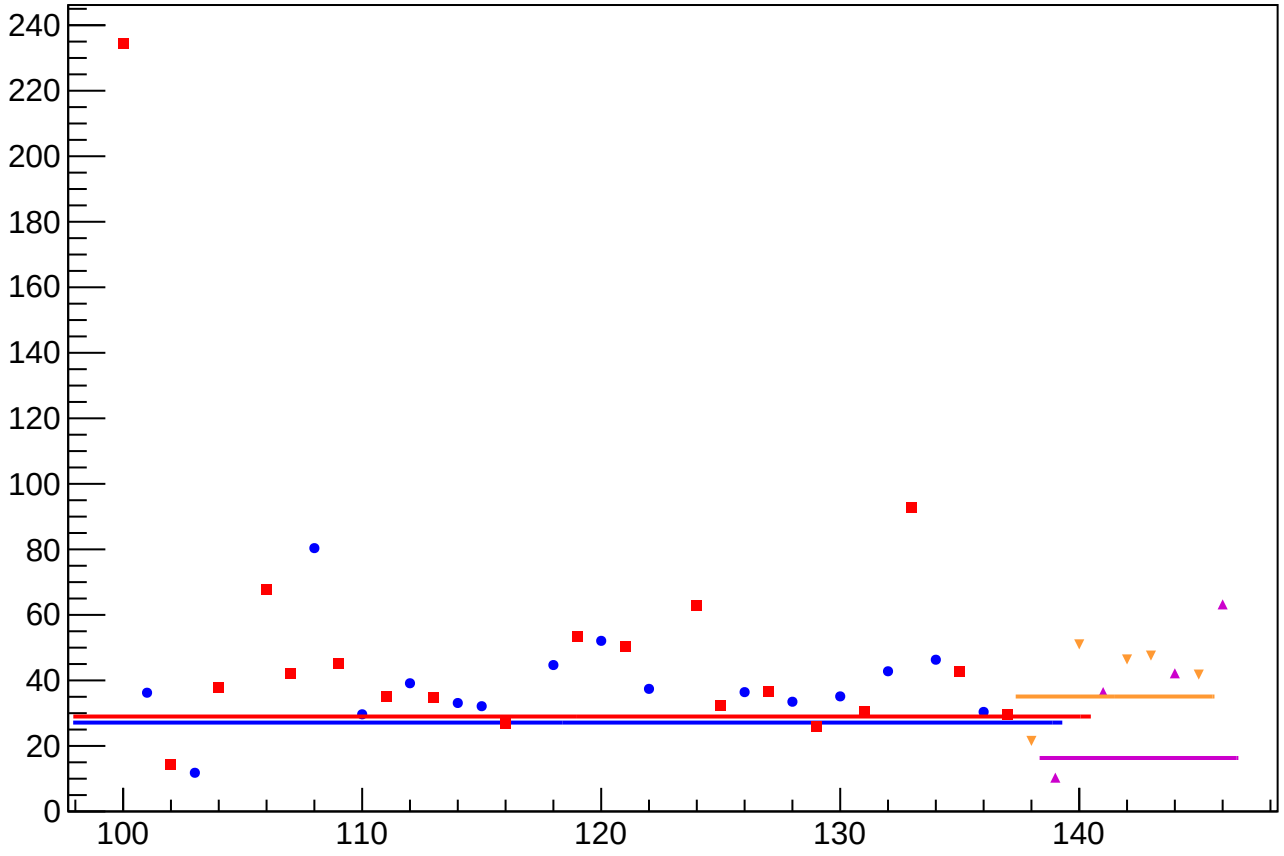
Left In: -0.001+/-0.012 χ^2/NDF:3.8/3

+ sign -0.001+/-0.010 χ^2/NDF: 25.2/20

All: 0.010+/-0.007 χ^2/NDF: 47.2/43

- sign 0.018+/-0.009 χ^2/NDF: 20.0/22

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: 35.083+/-0.015 χ^2/NDF:710281.9/4

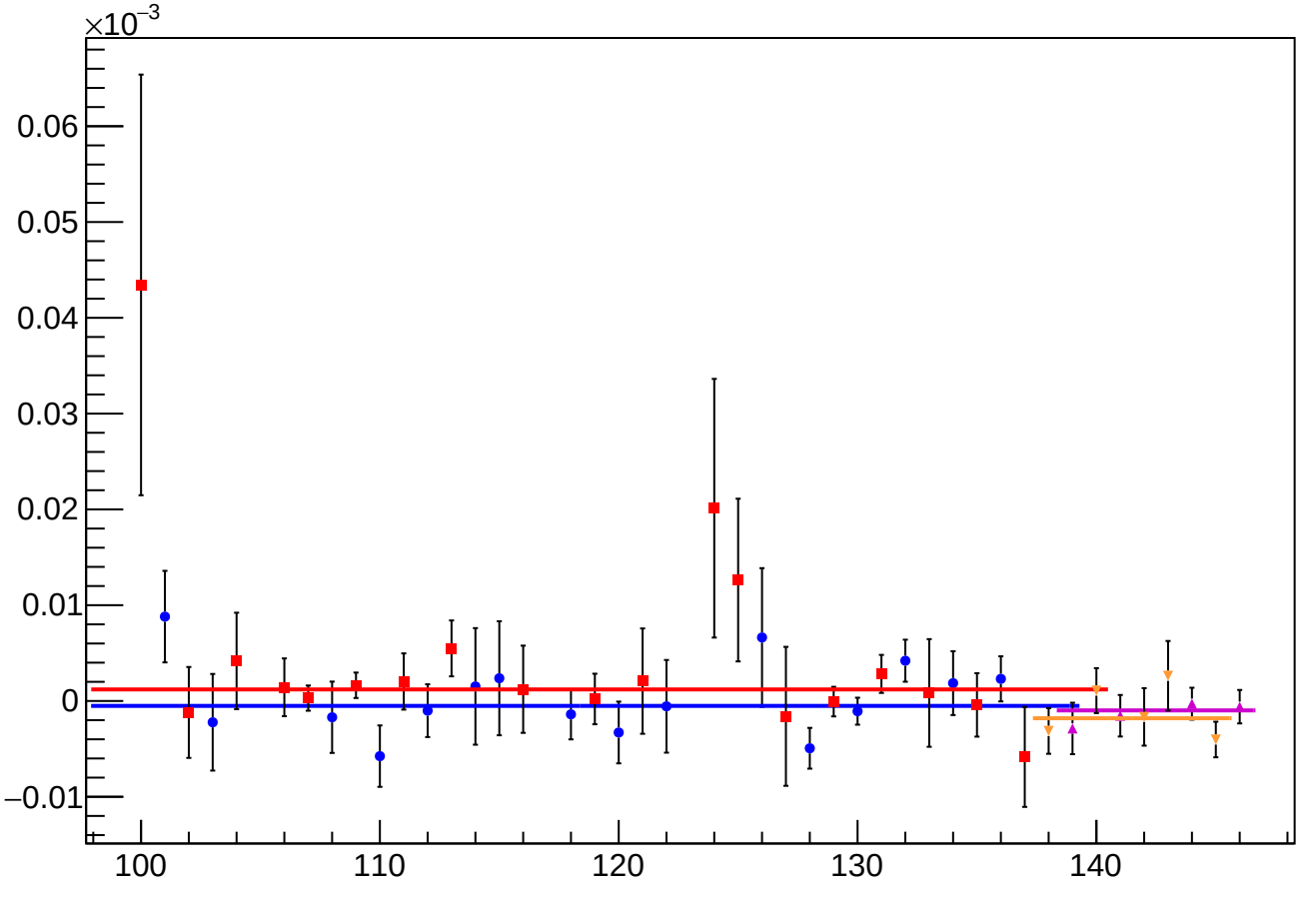
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 16.319+/-0.009 χ^2/NDF:2337833.8/3

+ sign 29.080+/-0.007 χ^2/NDF: 3340131.1/20

All: 25.138+/-0.005 χ^2/NDF: 9664115.2/43

- sign 22.380+/-0.006 χ^2/NDF: 5840457.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

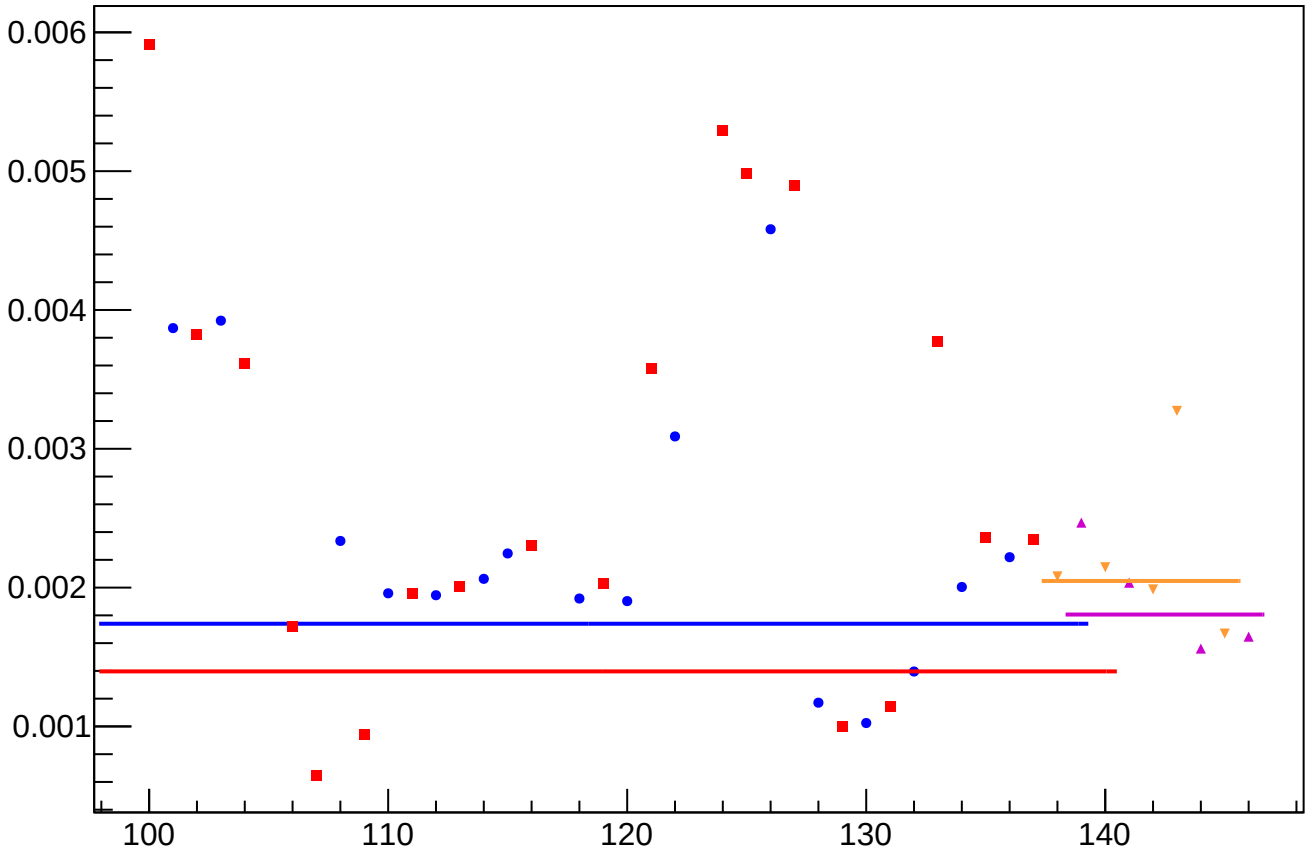
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/20

All: -0.000+/-0.000 χ^2/NDF: 48.2/43

- sign 0.000+/-0.000 χ^2/NDF: 19.0/22



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:315614.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

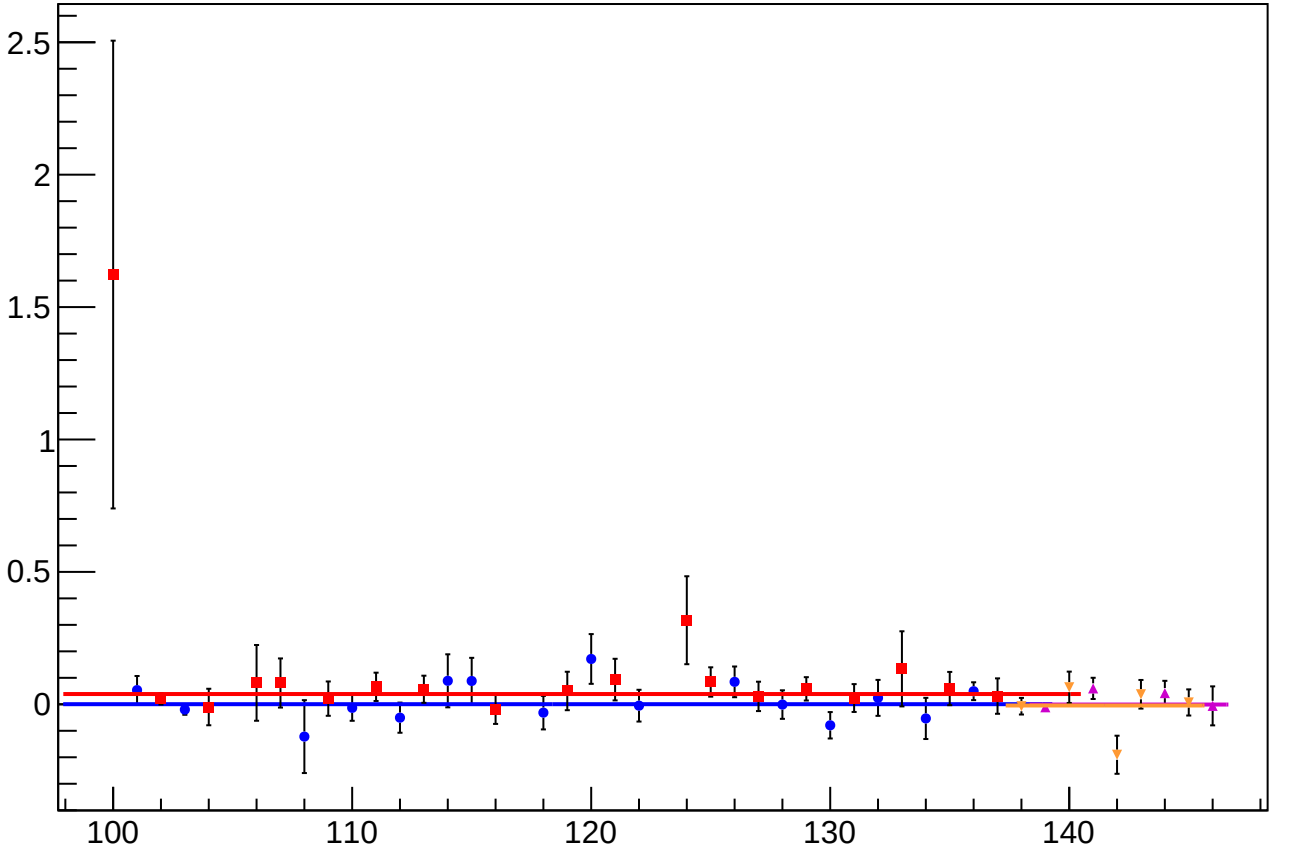
Left In: 0.002+/-0.000 χ^2/NDF:203970.1/3

+ sign 0.002+/-0.000 χ^2/NDF: 2573333.2/20

All: 0.002+/-0.000 χ^2/NDF: 7679549.4/43

- sign 0.002+/-0.000 χ^2/NDF: 4778386.6/22

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: -0.004+/-0.021 χ^2/NDF:8.7/4

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

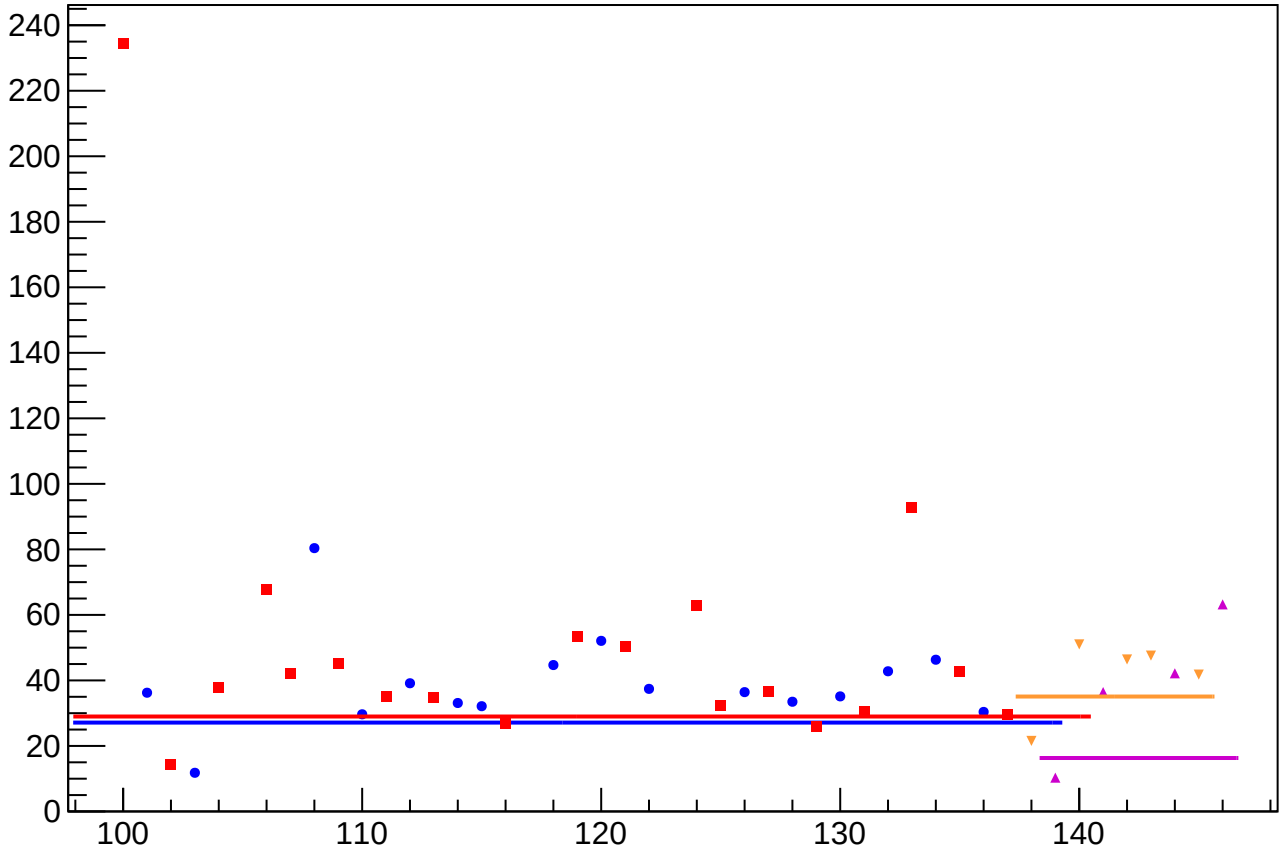
Left In: -0.001+/-0.012 χ^2/NDF:3.8/3

+ sign -0.001+/-0.010 χ^2/NDF: 25.2/20

All: 0.010+/-0.007 χ^2/NDF: 47.2/43

- sign 0.018+/-0.009 χ^2/NDF: 20.0/22

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: 35.080+/-0.015 χ^2/NDF:710589.8/4

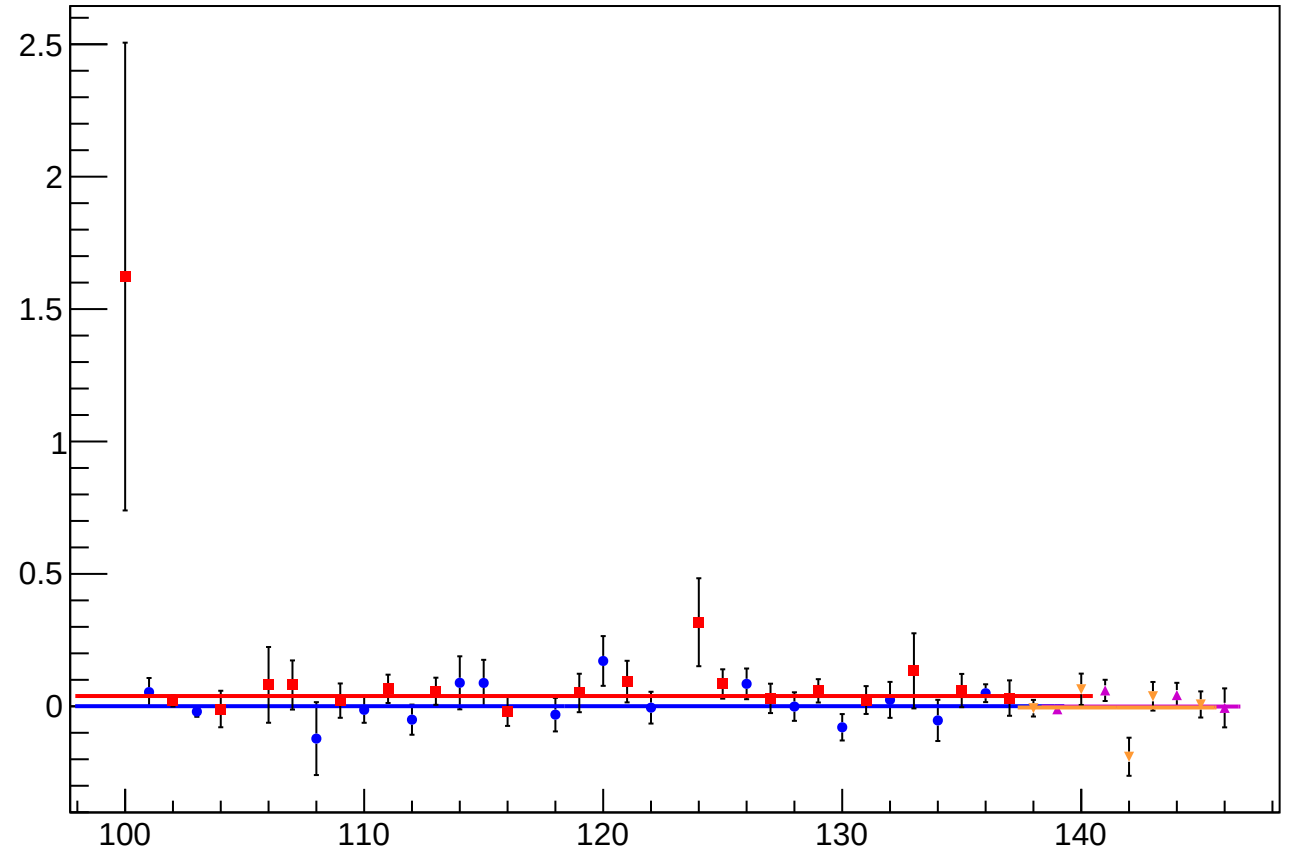
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 16.317+/-0.009 χ^2/NDF:2338094.2/3

+ sign 29.079+/-0.007 χ^2/NDF: 3340685.5/20

All: 25.138+/-0.005 χ^2/NDF: 9665045.1/43

- sign 22.379+/-0.006 χ^2/NDF: 5840893.7/22



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.021 χ^2/NDF:8.7/4

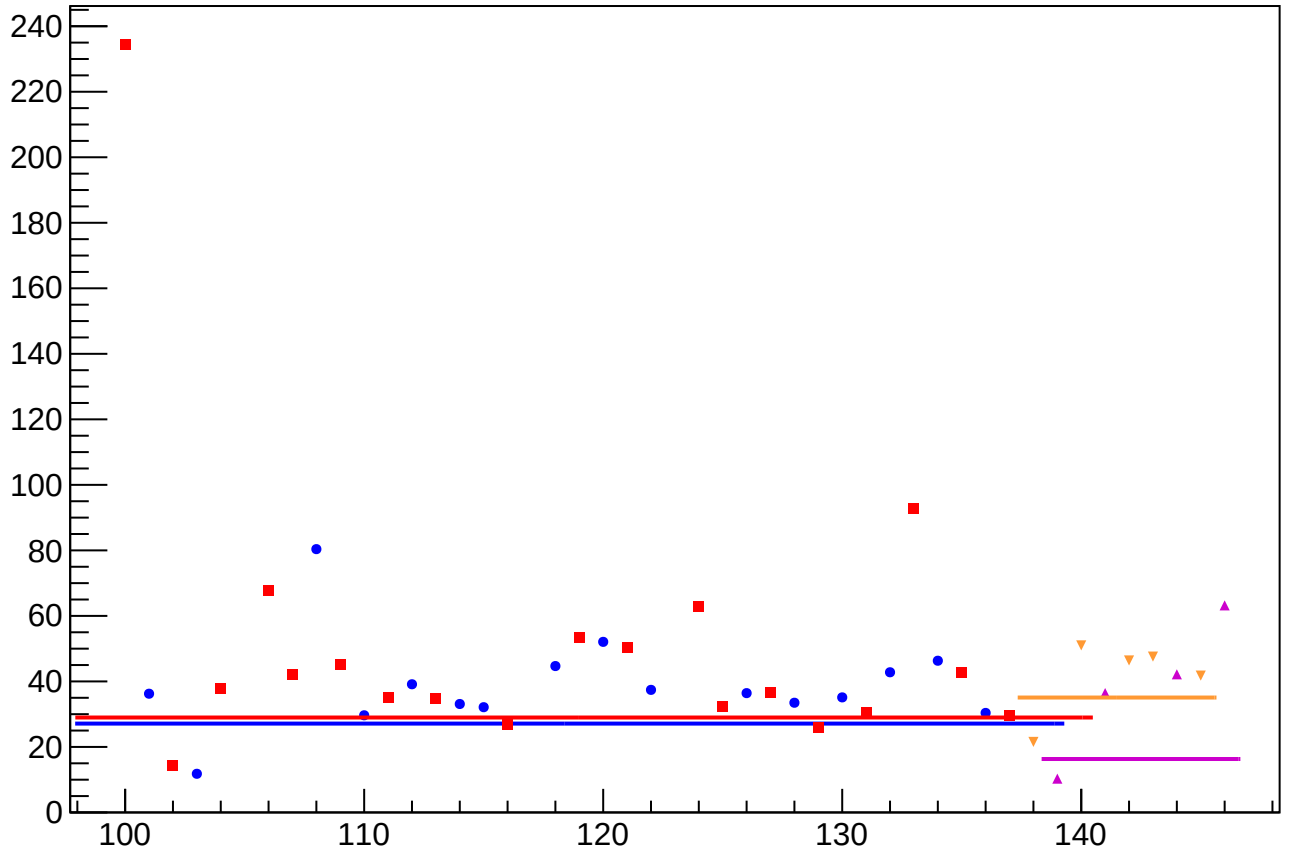
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.001+/-0.012 χ^2/NDF:3.8/3

+ sign -0.001+/-0.010 χ^2/NDF: 25.2/20

All: 0.010+/-0.007 χ^2/NDF: 47.2/43

- sign 0.018+/-0.009 χ^2/NDF: 20.0/22



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 35.080+/-0.015 χ^2/NDF:710589.8/4

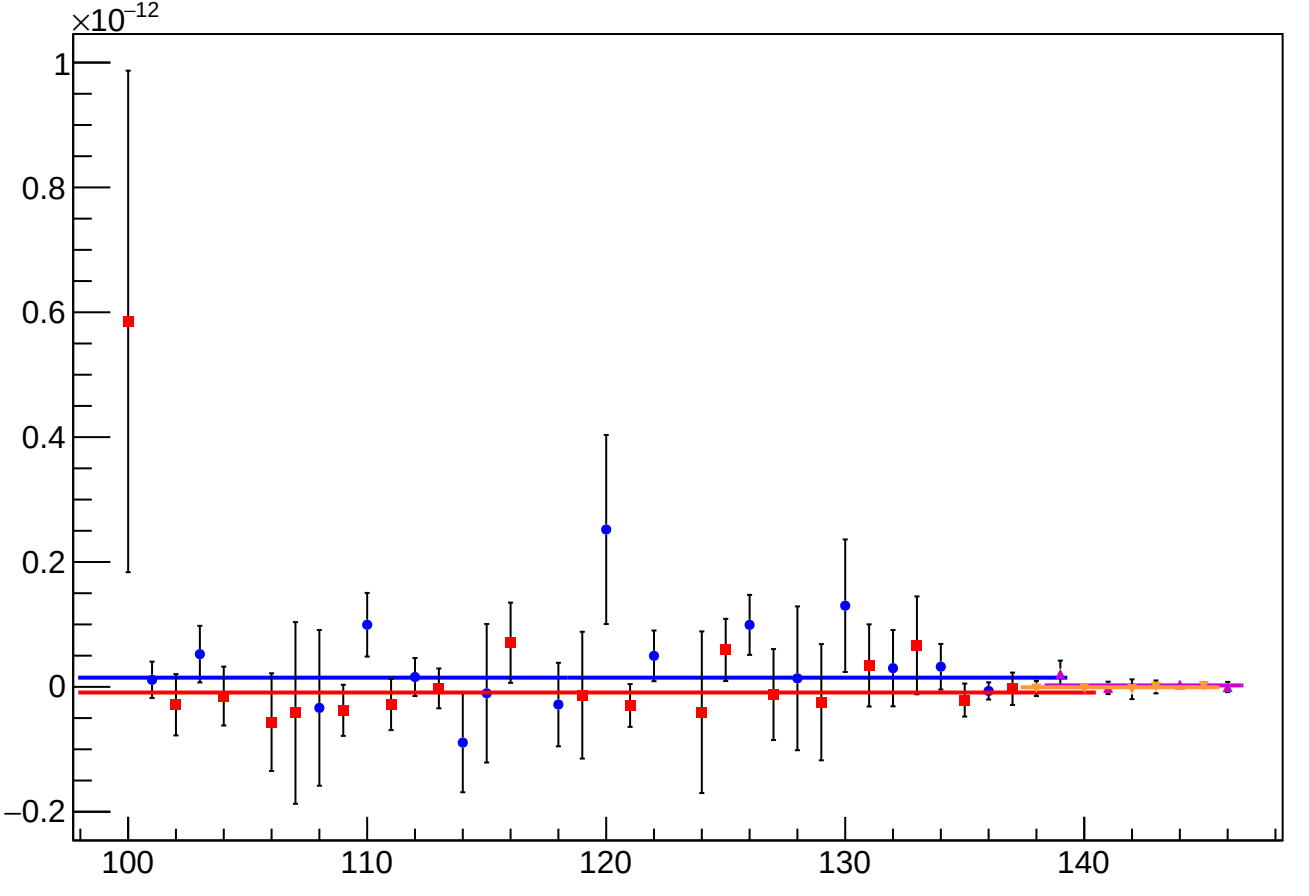
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 16.317+/-0.009 χ^2/NDF:2338094.2/3

+ sign 29.079+/-0.007 χ^2/NDF: 3340685.5/20

All: 25.138+/-0.005 χ^2/NDF: 9665045.1/43

- sign 22.379+/-0.006 χ^2/NDF: 5840893.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/4

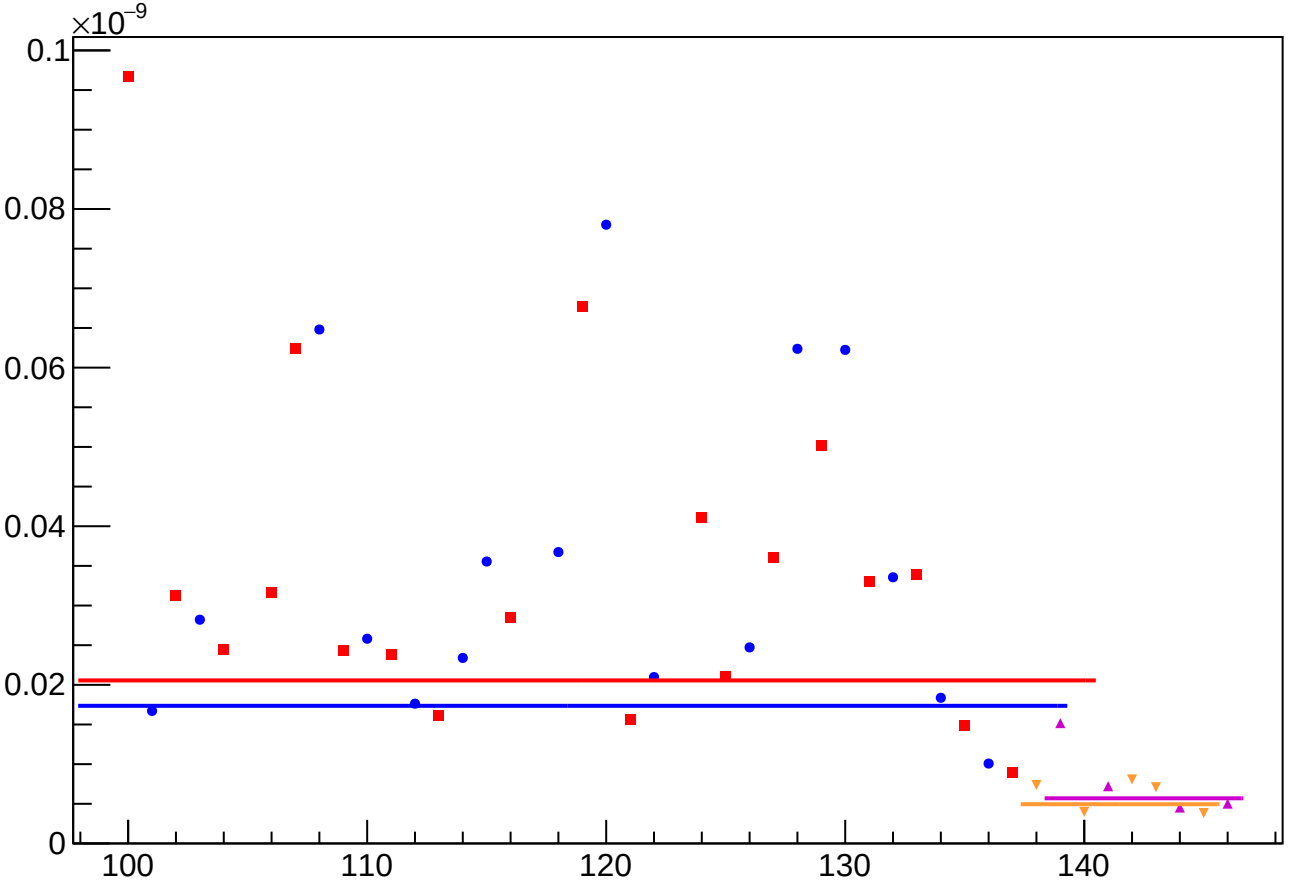
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/20

All: 0.000+/-0.000 χ^2/NDF: 29.6/43

- sign 0.000+/-0.000 χ^2/NDF: 11.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:344665.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

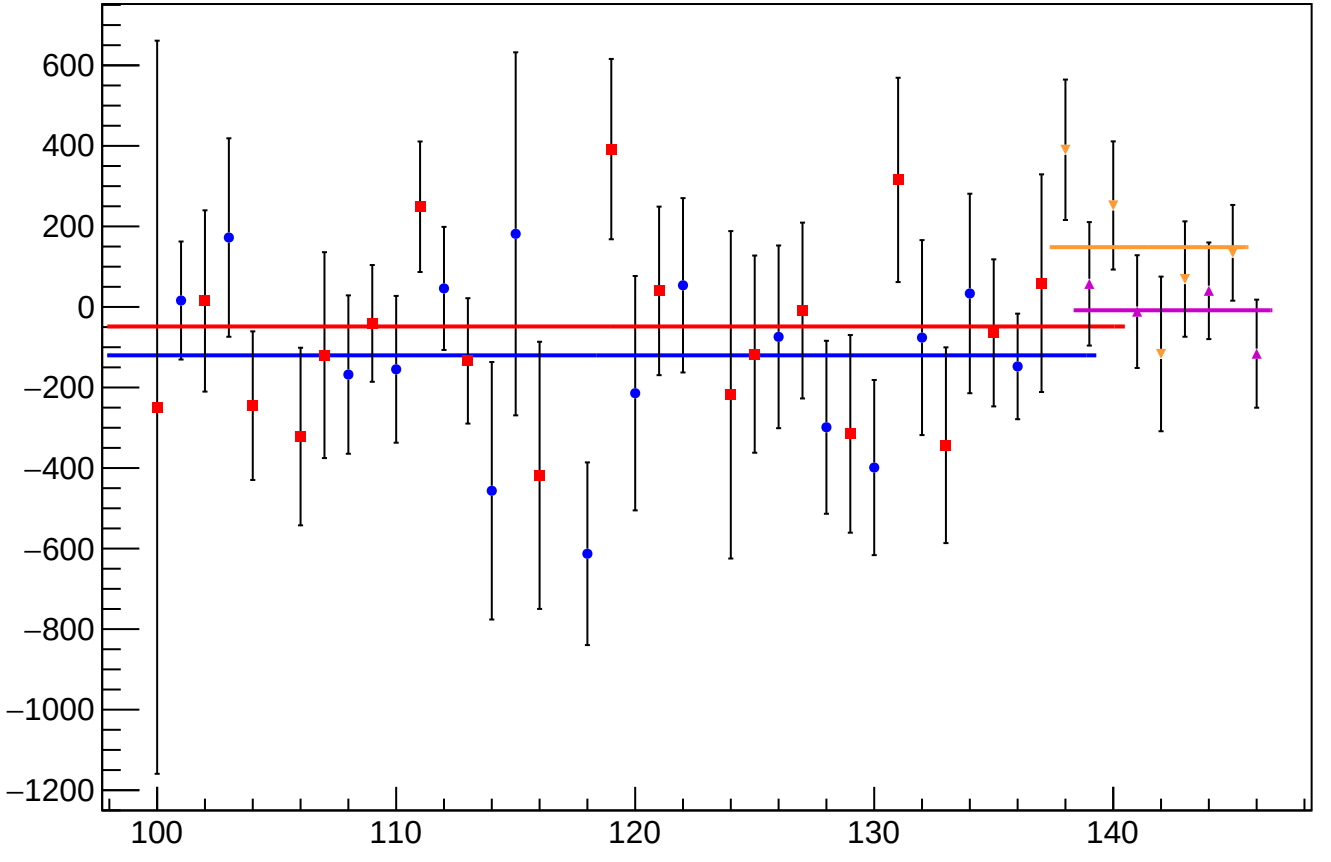
Left In: 0.000+/-0.000 χ^2/NDF:539315.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5739225.5/20

All: 0.000+/-0.000 χ^2/NDF: 11515483.0/43

- sign 0.000+/-0.000 χ^2/NDF: 5694724.3/22

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 148.509+/-67.581 χ^2/NDF:4.6/4

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

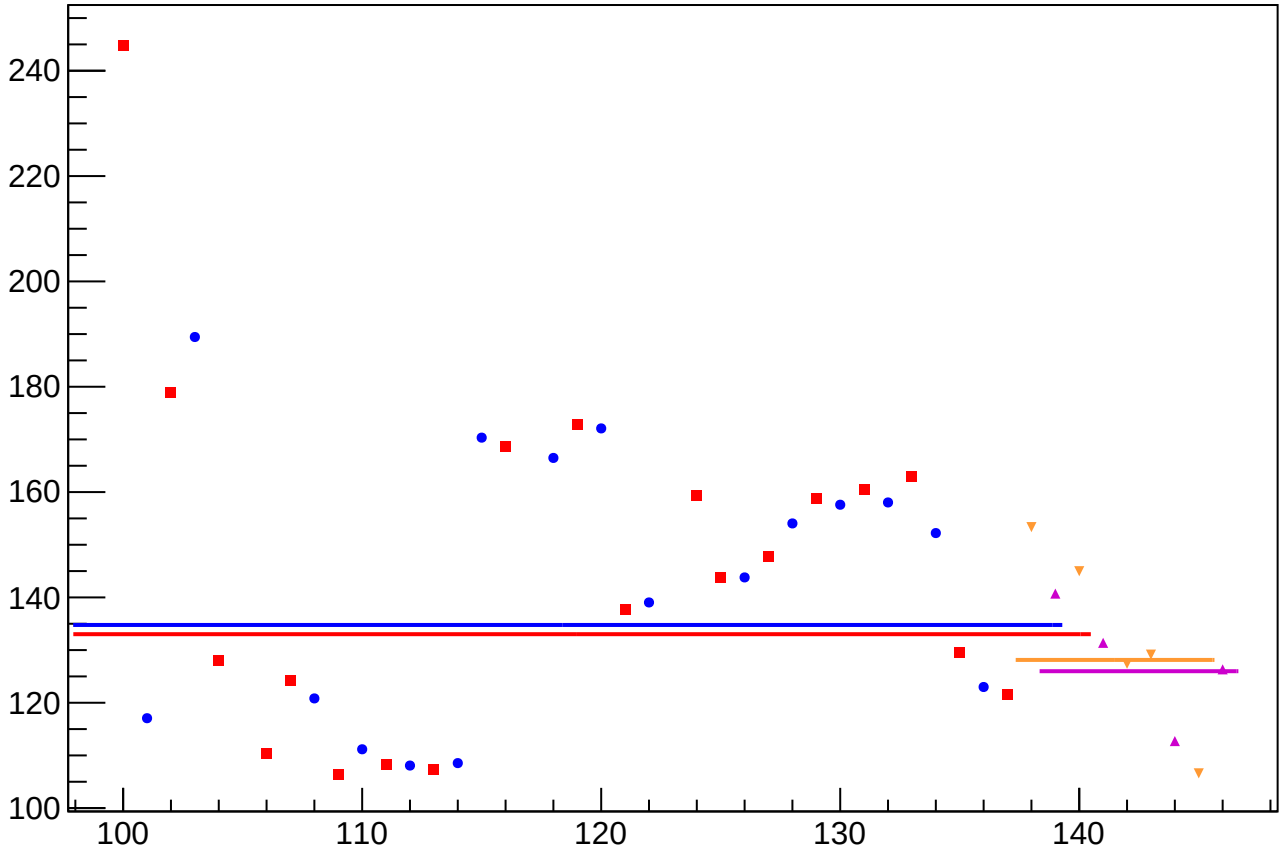
Left In: -8.253+/-67.641 χ^2/NDF:1.0/3

+ sign -22.420+/-40.761 χ^2/NDF: 28.0/20

All: -28.437+/-28.608 χ^2/NDF: 46.3/43

- sign -34.279+/-40.161 χ^2/NDF: 18.2/22

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 128.133+/-0.048 χ^2/NDF:129994.8/4

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

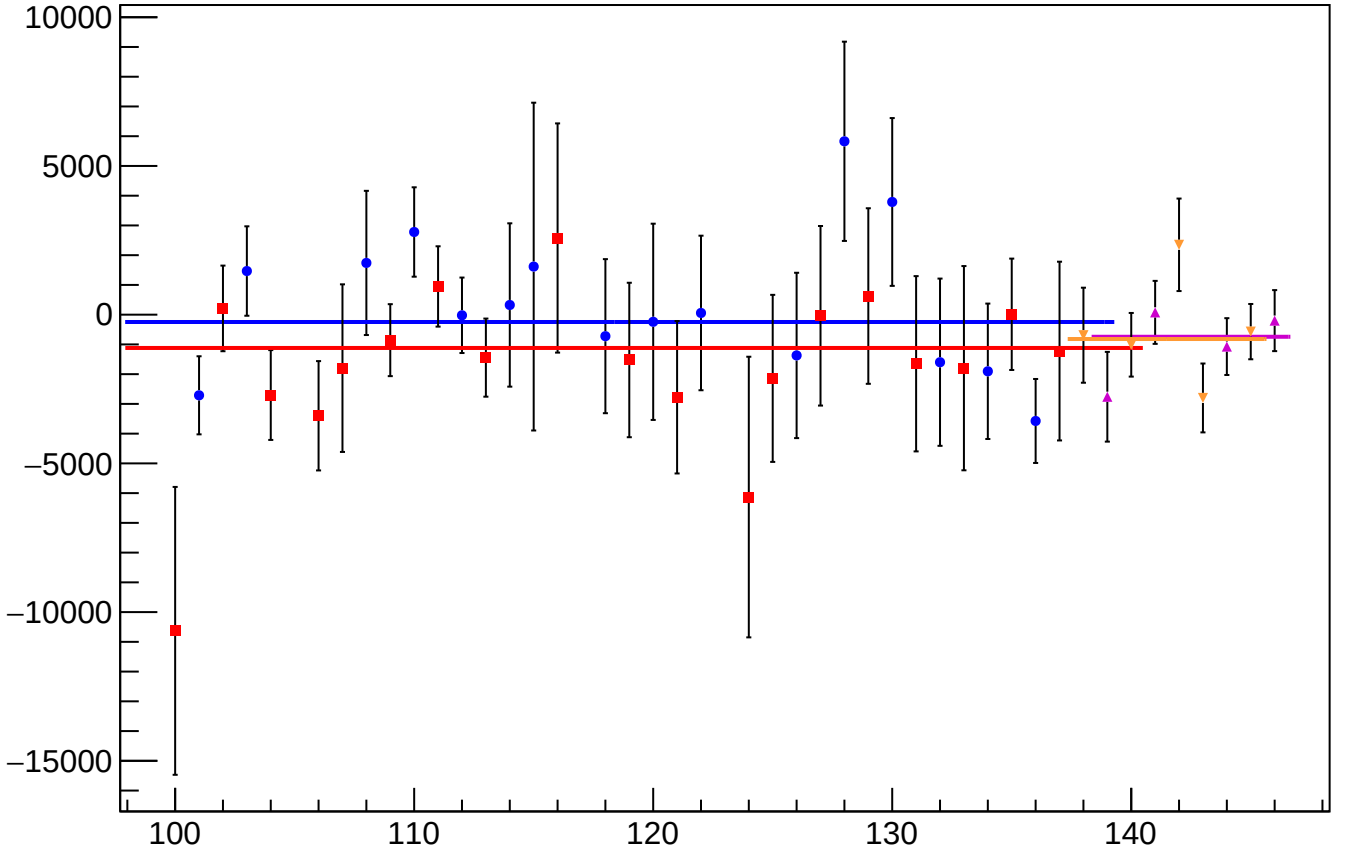
Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

+ sign 132.356+/-0.029 χ^2/NDF: 559050.8/20

All: 131.435+/-0.020 χ^2/NDF: 1116660.0/43

- sign 130.542+/-0.028 χ^2/NDF: 555597.9/22

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -818.591+/-528.328 χ^2/NDF:7.2/4

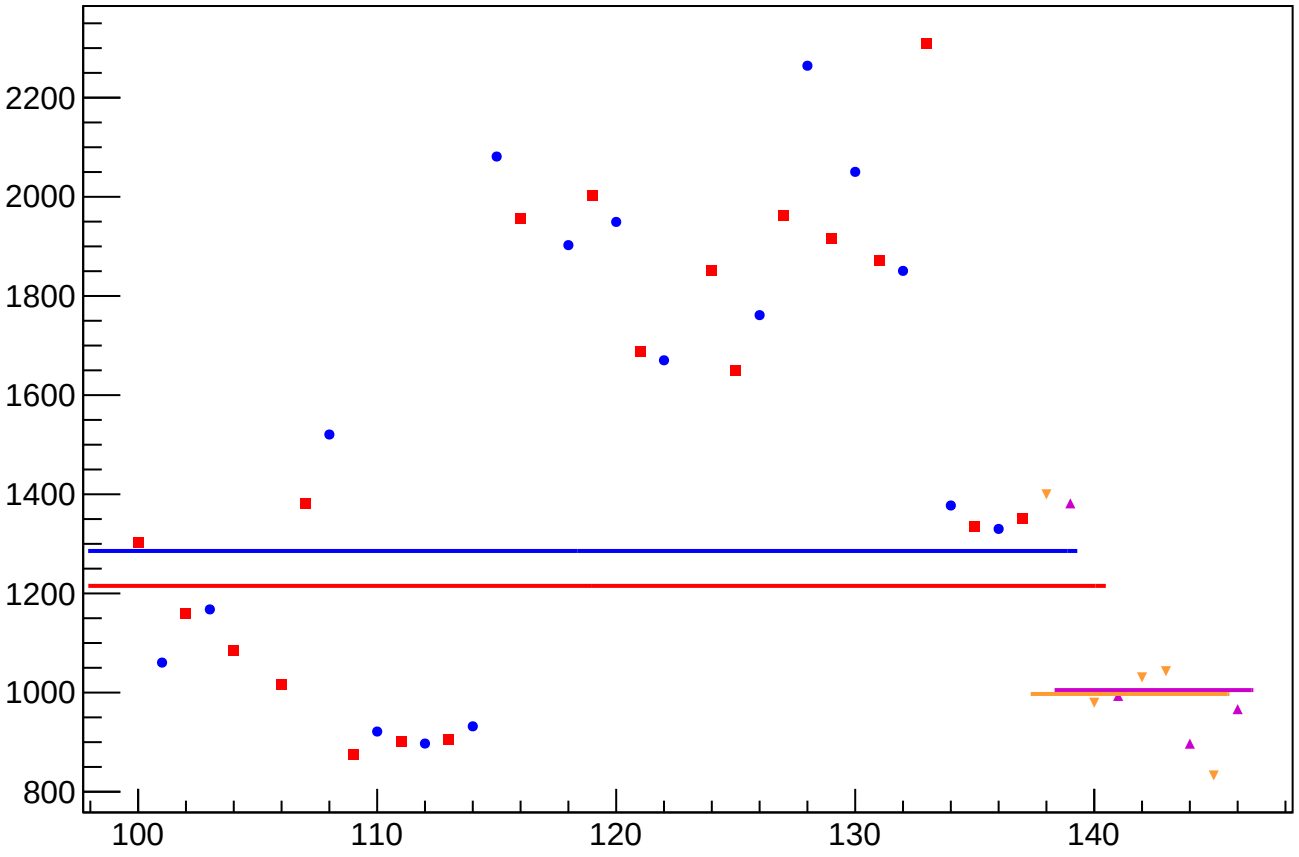
Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: -742.876+/-544.061 χ^2/NDF:2.8/3

+ sign -517.528+/-363.696 χ^2/NDF: 29.4/20

All: -743.690+/-254.030 χ^2/NDF: 46.6/43

- sign -959.131+/-354.970 χ^2/NDF: 16.5/22



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 997.230+/-0.374 χ^2/NDF:194245.3/4

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

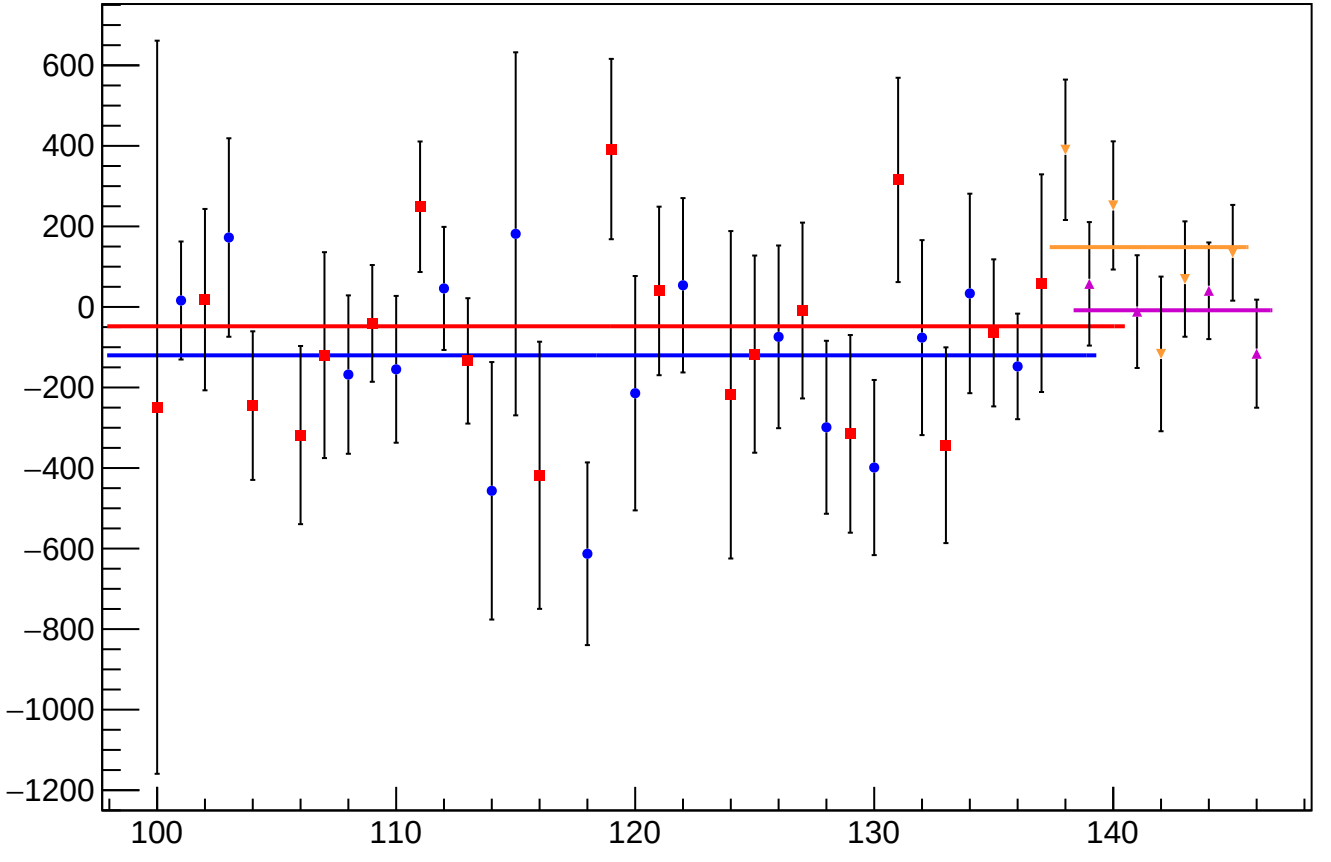
Left In: 1005.024+/-0.385 χ^2/NDF:153323.6/3

+ sign 1148.983+/-0.257 χ^2/NDF: 1678309.7/20

All: 1137.086+/-0.180 χ^2/NDF: 3393579.2/43

- sign 1125.752+/-0.251 χ^2/NDF: 1711090.7/22

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 148.530+/-67.581 χ^2/NDF:4.6/4

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

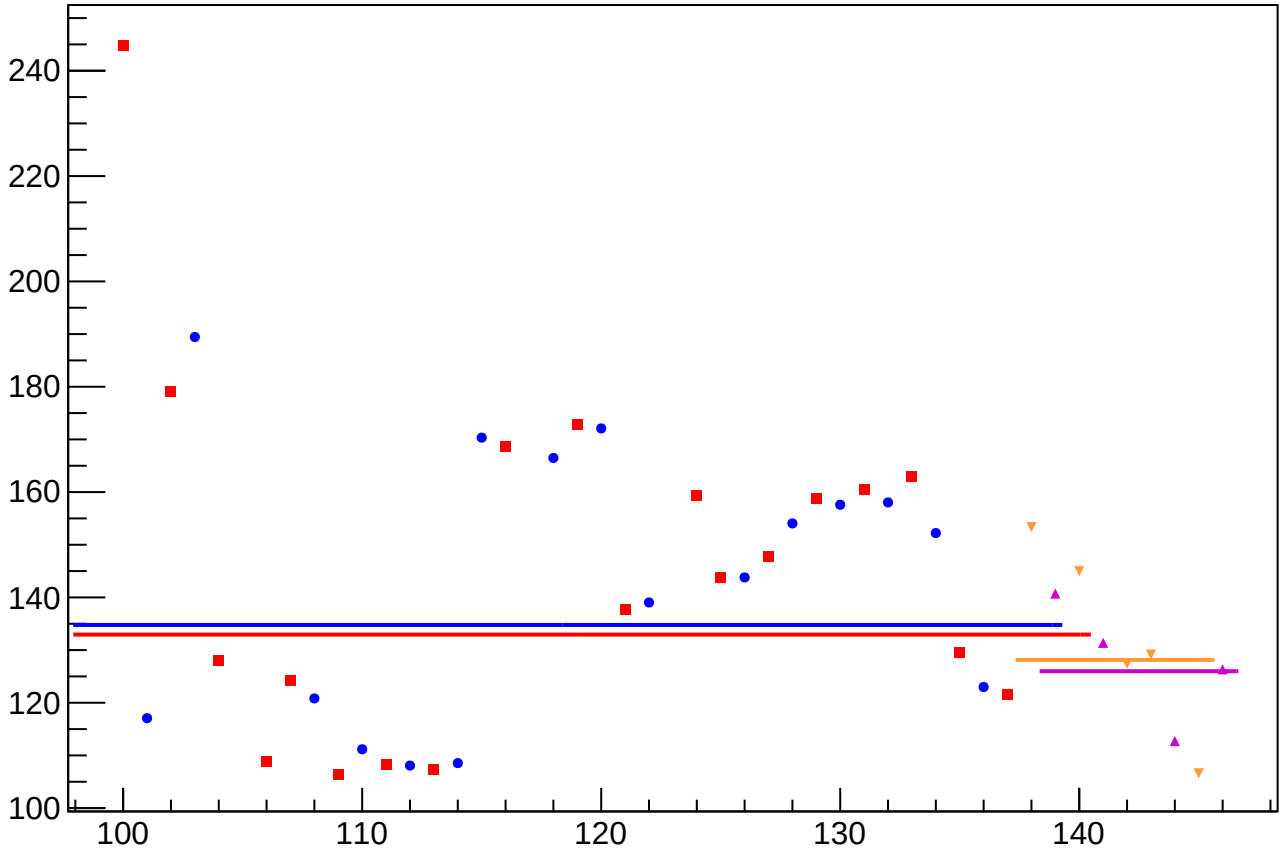
Left In: -8.266+/-67.641 χ^2/NDF:1.0/3

+ sign -22.419+/-40.761 χ^2/NDF: 28.0/20

All: -28.294+/-28.610 χ^2/NDF: 46.3/43

- sign -33.998+/-40.165 χ^2/NDF: 18.2/22

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 128.133+/-0.048 χ^2/NDF:129994.8/4

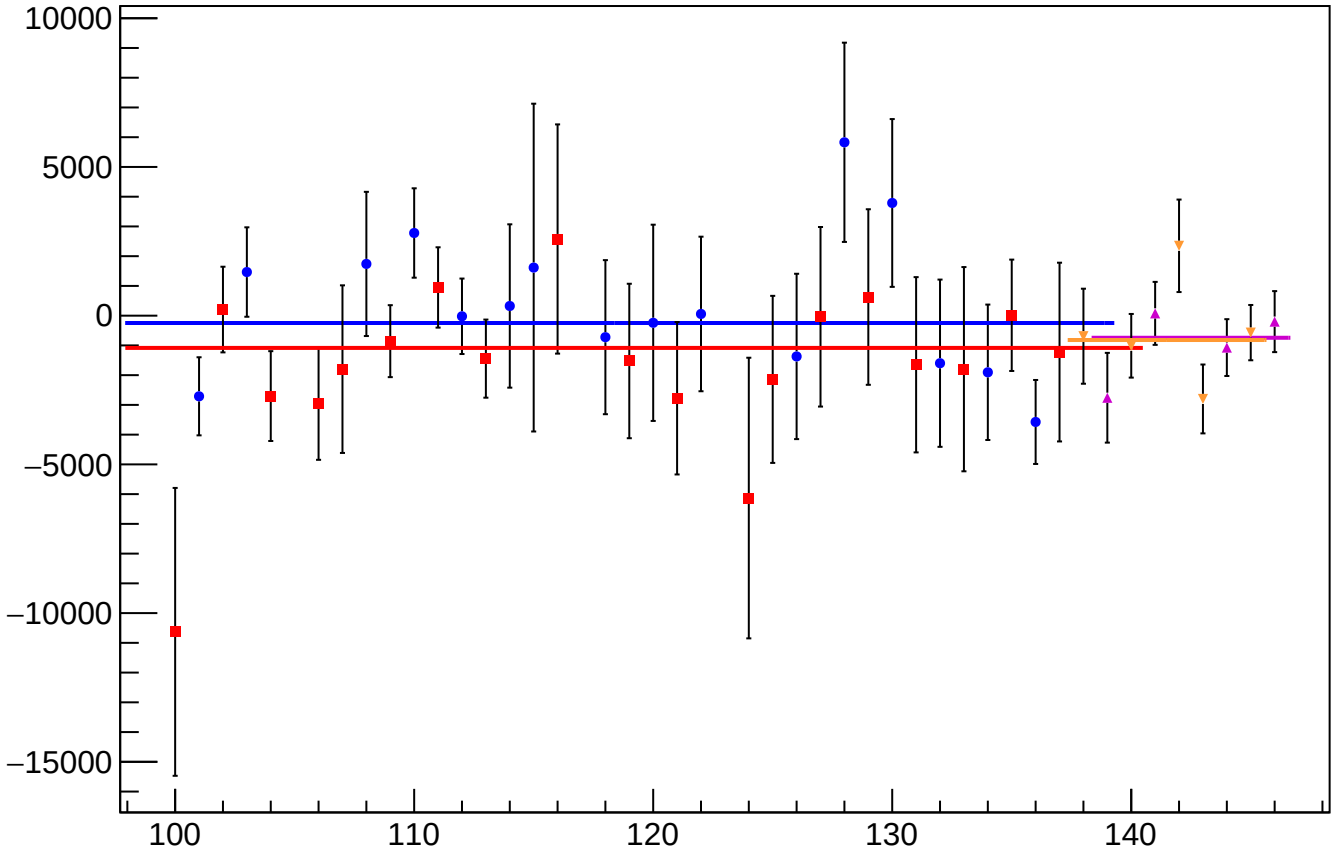
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

+ sign 132.356+/-0.029 χ^2/NDF: 559053.9/20

All: 131.411+/-0.020 χ^2/NDF: 1119614.8/43

- sign 130.494+/-0.028 χ^2/NDF: 558443.1/22



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -818.573+/-528.328 χ^2/NDF:7.2/4

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

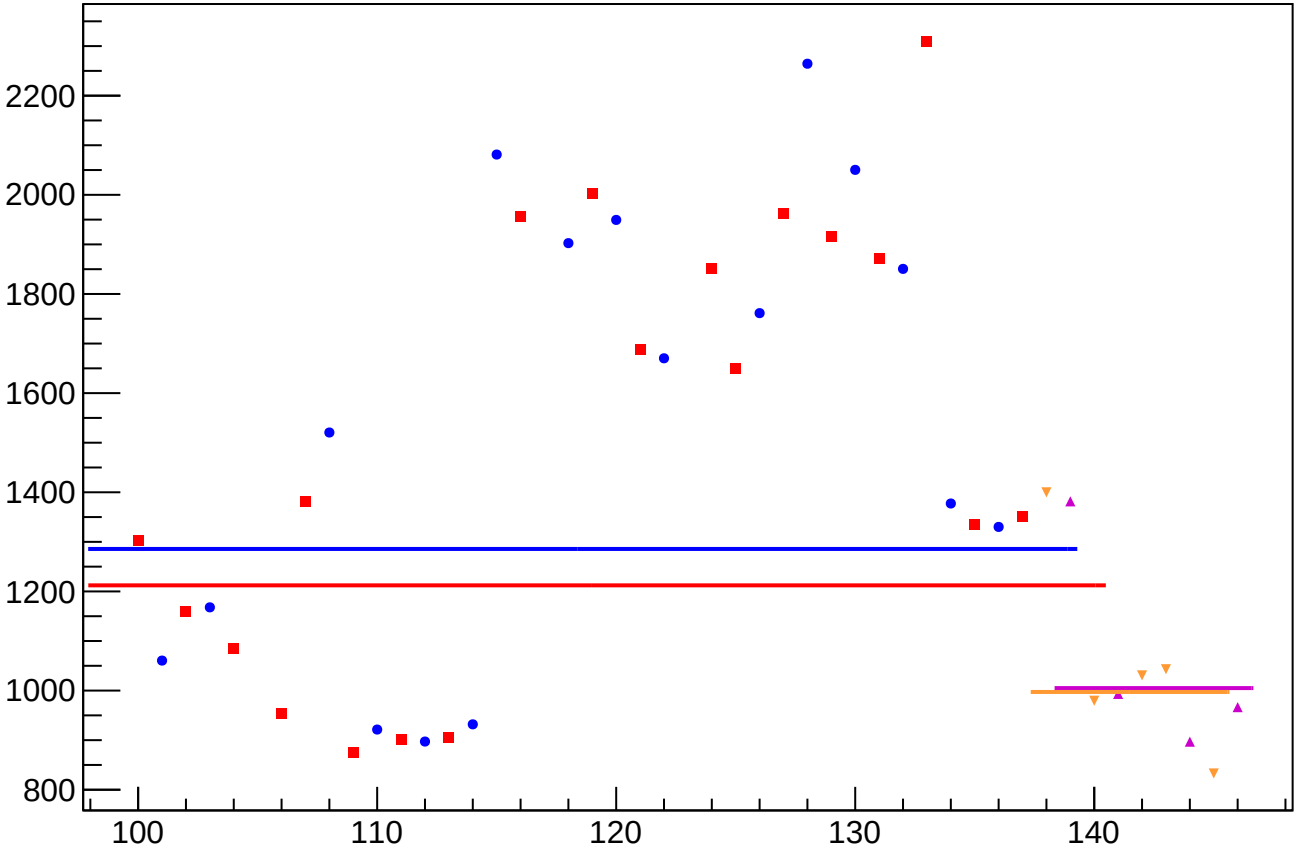
Left In: -742.890+/-544.061 χ^2/NDF:2.8/3

+ sign -517.559+/-363.697 χ^2/NDF: 29.4/20

All: -732.913+/-254.178 χ^2/NDF: 45.9/43

- sign -938.520+/-355.372 χ^2/NDF: 15.8/22

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 997.229+/-0.374 χ^2/NDF:194245.8/4

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

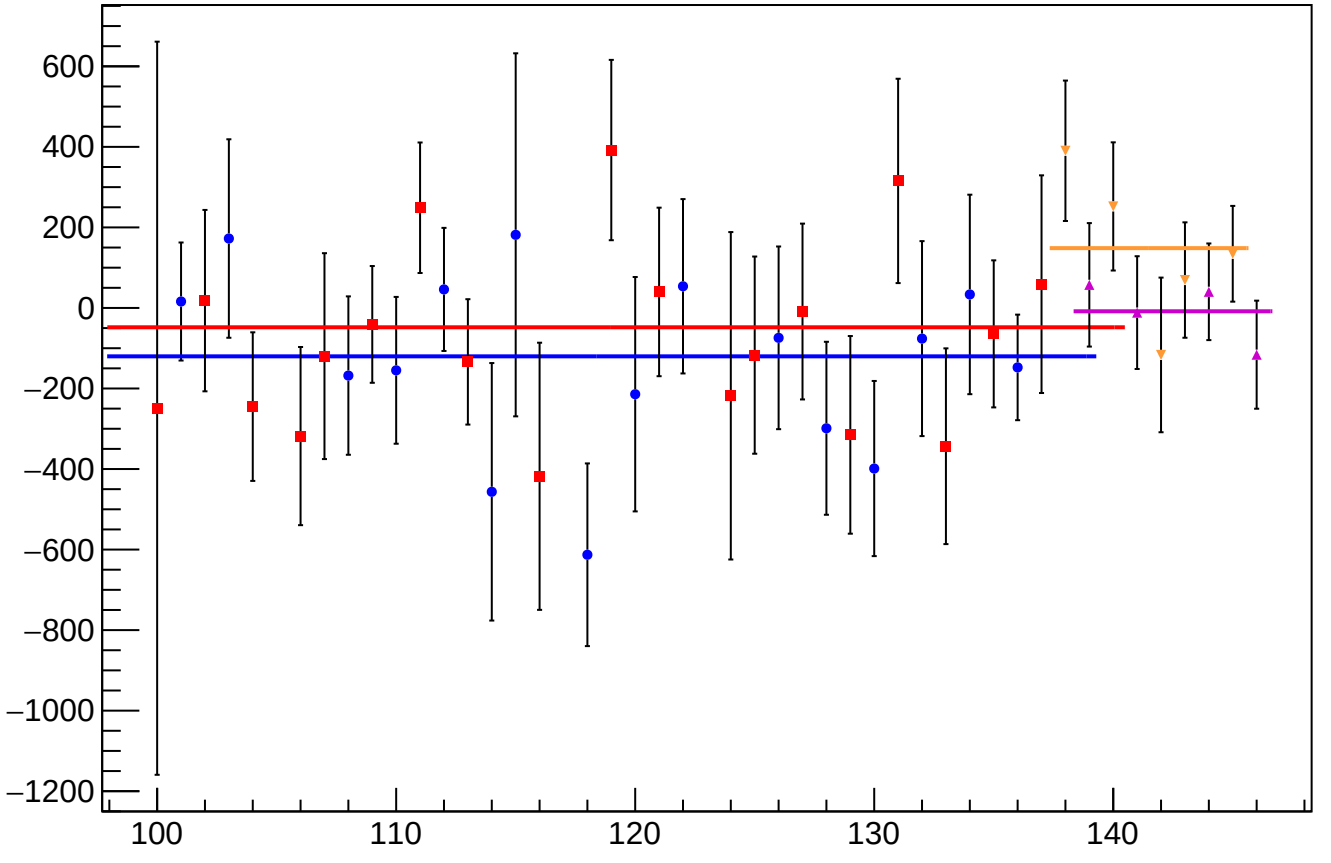
Left In: 1005.025+/-0.385 χ^2/NDF:153322.7/3

+ sign 1148.988+/-0.257 χ^2/NDF: 1678314.2/20

All: 1136.129+/-0.180 χ^2/NDF: 3403557.6/43

- sign 1123.852+/-0.251 χ^2/NDF: 1720356.3/22

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 148.530+/-67.581 χ^2/NDF:4.6/4

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

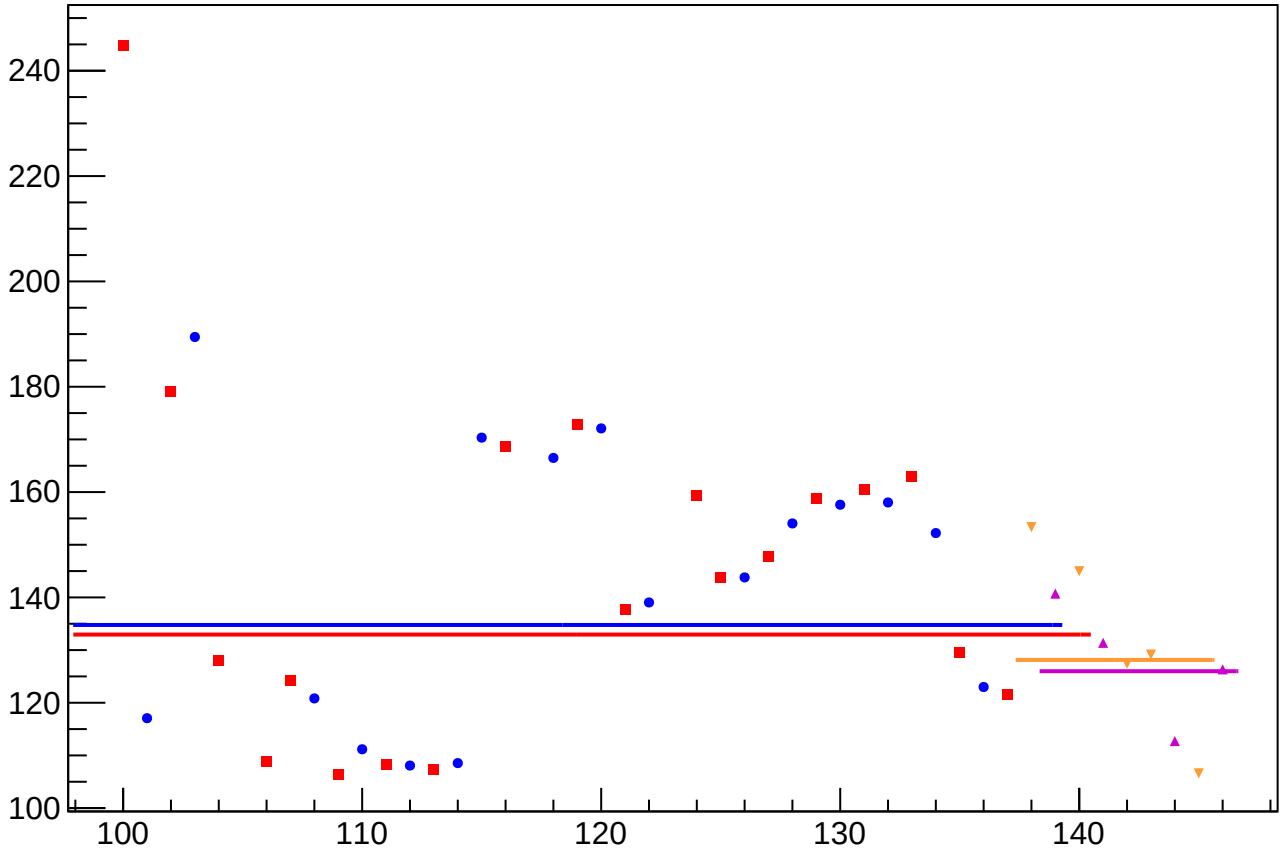
Left In: -8.266+/-67.641 χ^2/NDF:1.0/3

+ sign -22.419+/-40.761 χ^2/NDF: 28.0/20

All: -28.294+/-28.610 χ^2/NDF: 46.3/43

- sign -33.998+/-40.165 χ^2/NDF: 18.2/22

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 128.133+/-0.048 χ^2/NDF:129994.8/4

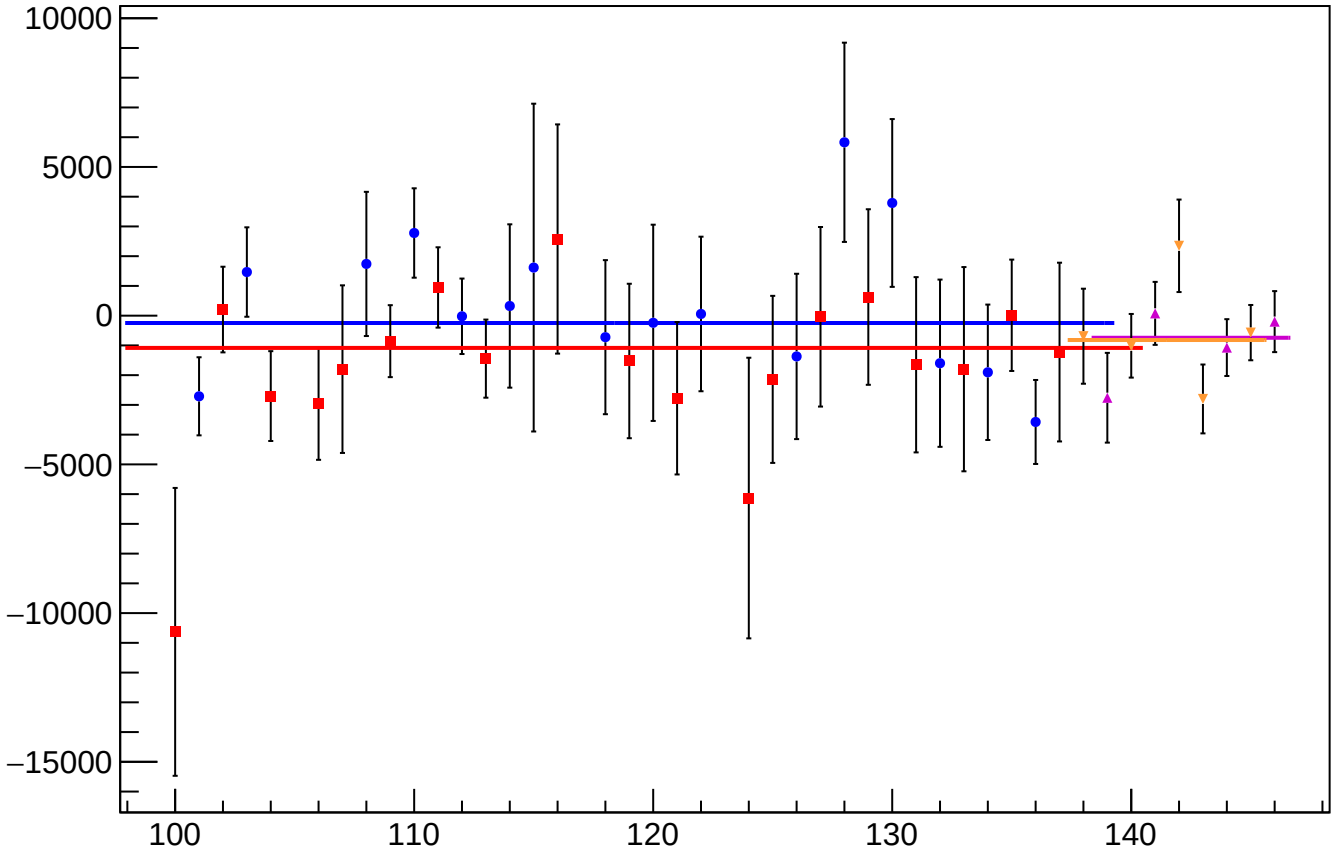
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

+ sign 132.356+/-0.029 χ^2/NDF: 559053.9/20

All: 131.411+/-0.020 χ^2/NDF: 1119614.8/43

- sign 130.494+/-0.028 χ^2/NDF: 558443.1/22



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -818.573+/-528.328 χ^2/NDF:7.2/4

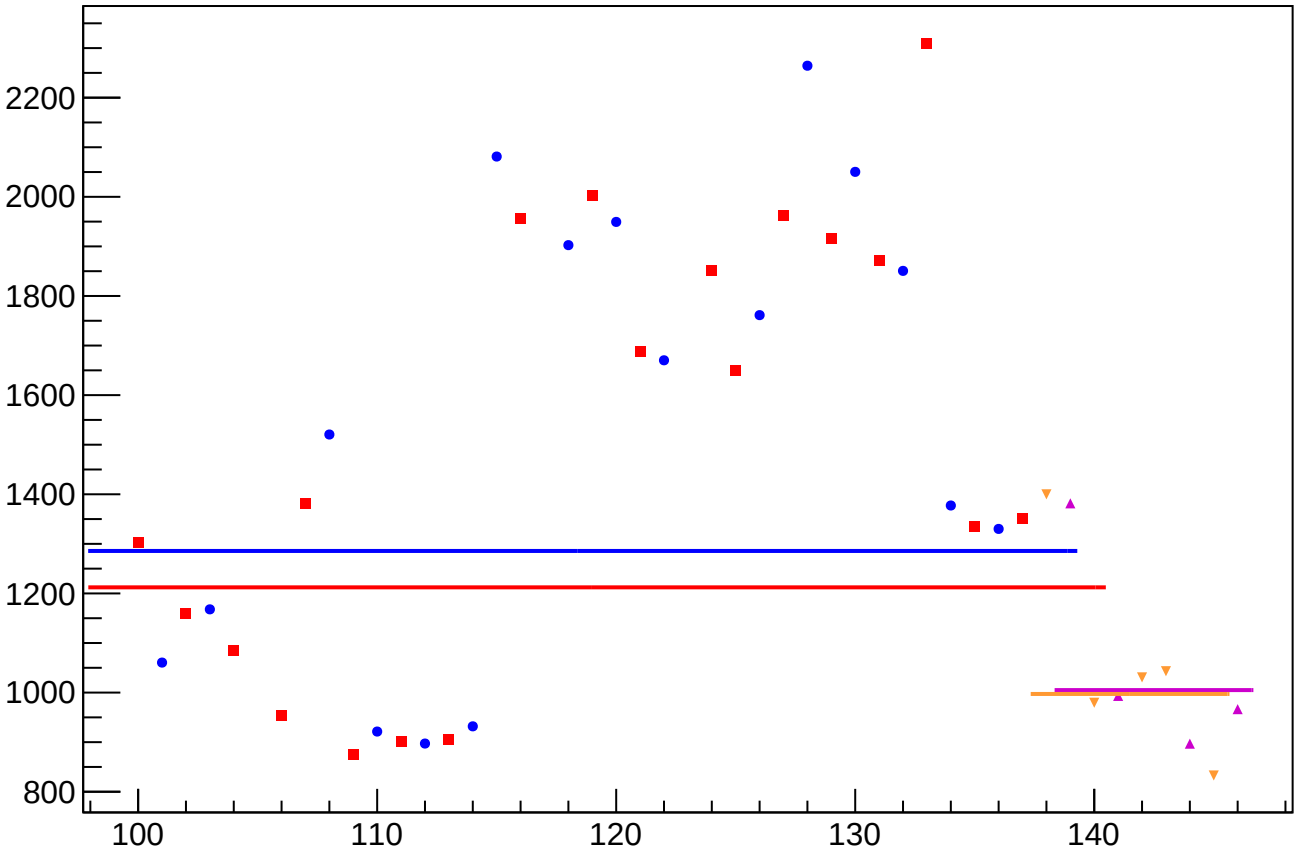
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -742.890+/-544.061 χ^2/NDF:2.8/3

+ sign -517.559+/-363.697 χ^2/NDF: 29.4/20

All: -732.913+/-254.178 χ^2/NDF: 45.9/43

- sign -938.520+/-355.372 χ^2/NDF: 15.8/22



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 997.229+/-0.374 χ^2/NDF:194245.8/4

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

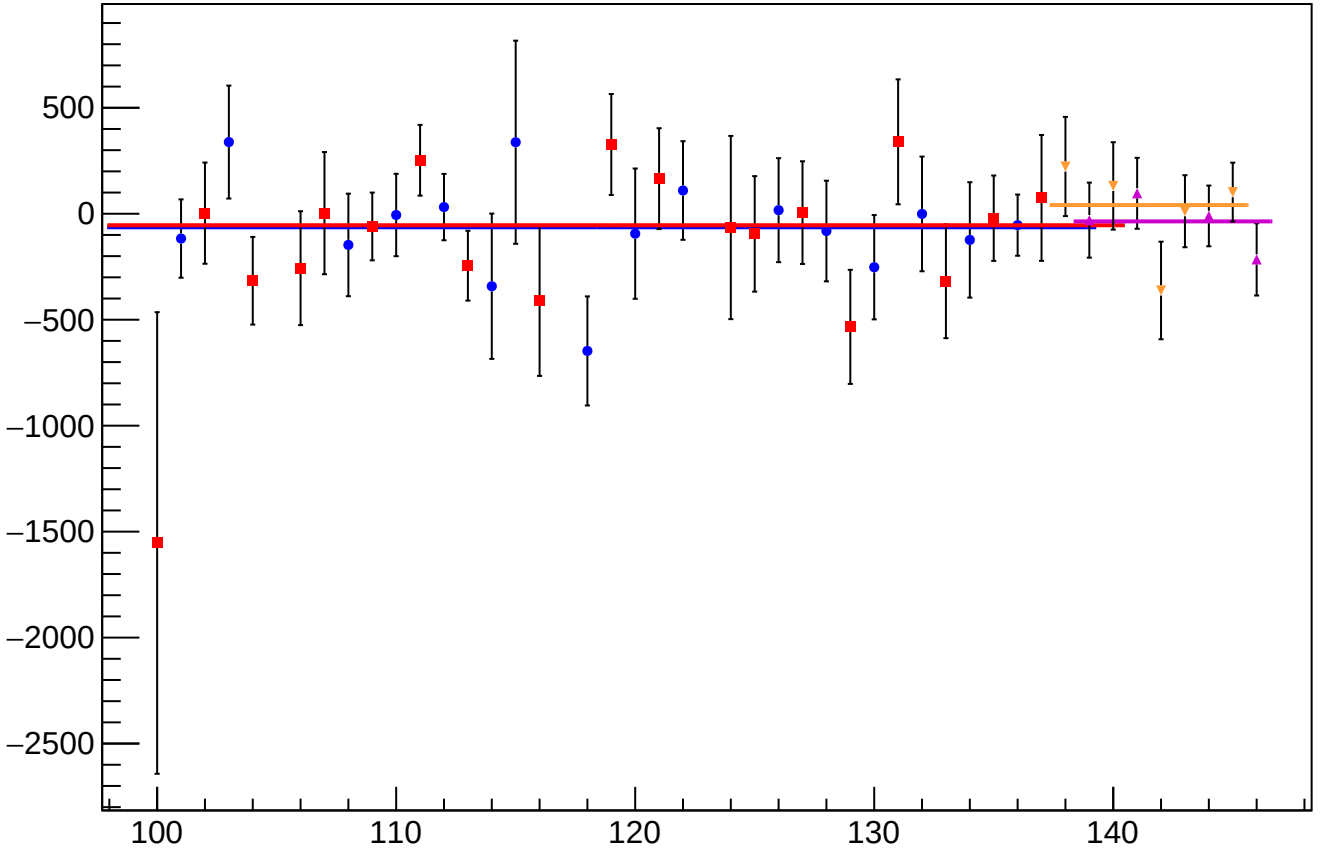
Left In: 1005.025+/-0.385 χ^2/NDF:153322.7/3

+ sign 1148.988+/-0.257 χ^2/NDF: 1678314.2/20

All: 1136.129+/-0.180 χ^2/NDF: 3403557.6/43

- sign 1123.852+/-0.251 χ^2/NDF: 1720356.3/22

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.965+/-82.482 χ^2/NDF:4.1/4

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

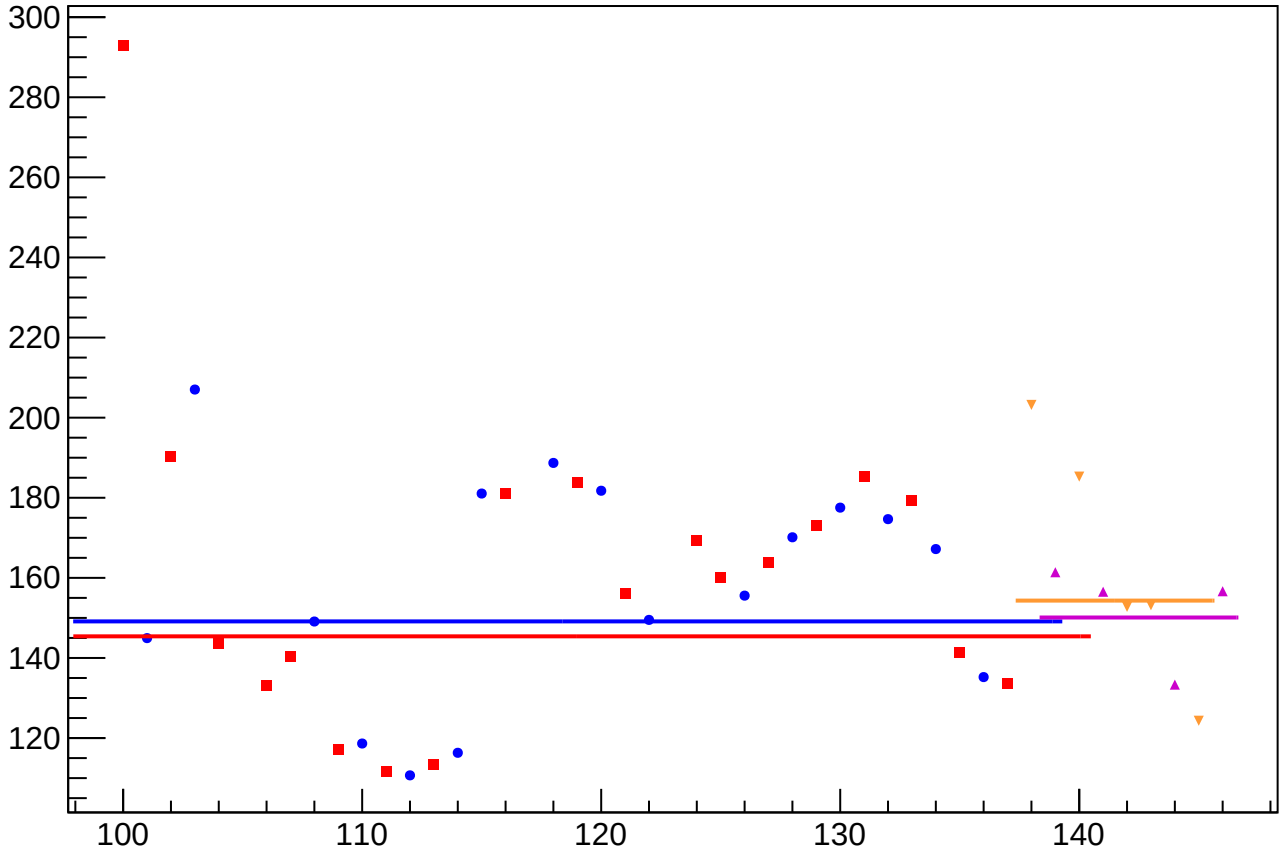
Left In: -36.041+/-81.433 χ^2/NDF:1.8/3

+ sign -30.141+/-46.744 χ^2/NDF: 16.0/20

All: -39.644+/-32.579 χ^2/NDF: 37.4/43

- sign -48.620+/-45.431 χ^2/NDF: 21.3/22

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 154.323+/-0.058 χ^2/NDF:225503.1/4

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

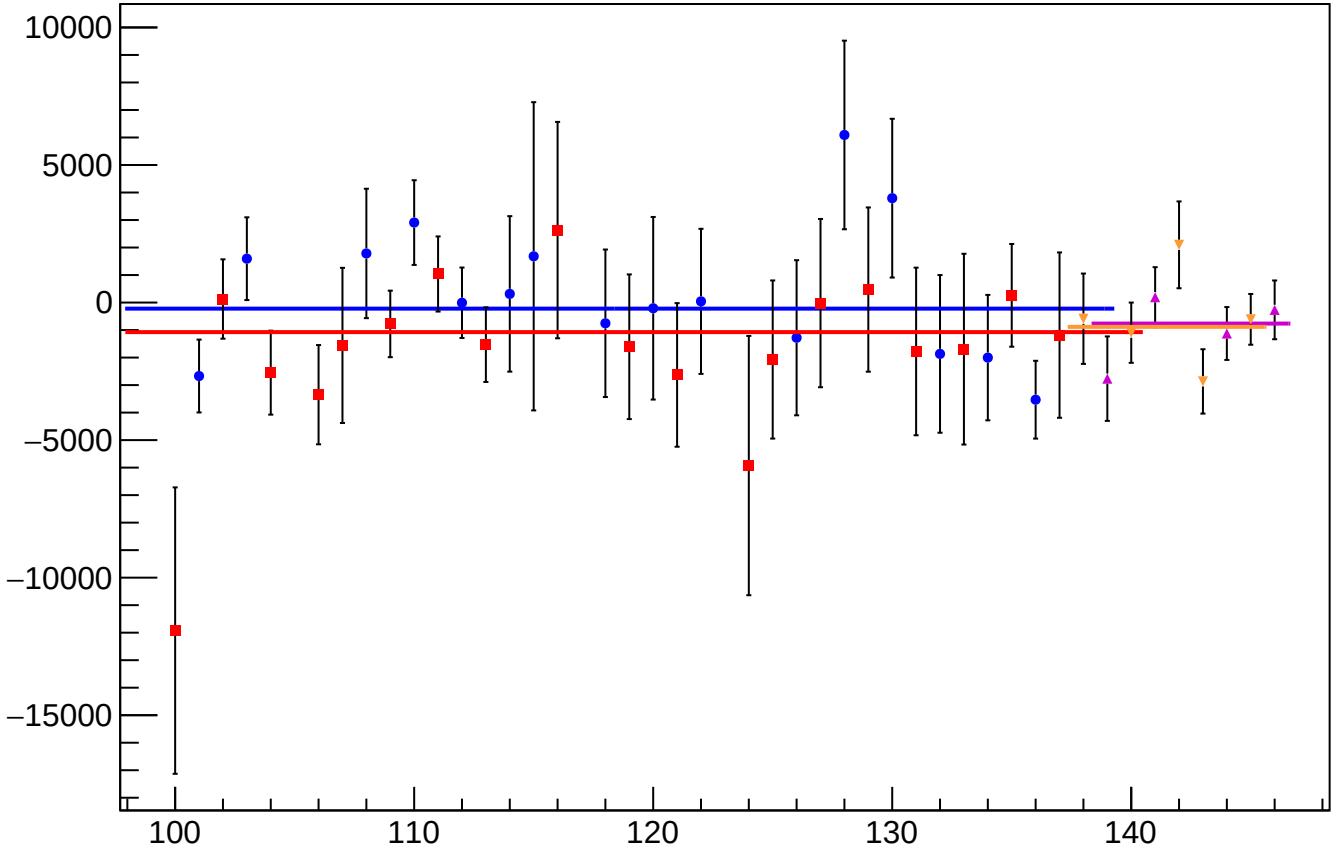
Left In: 150.102+/-0.058 χ^2/NDF:41445.2/3

\+ sign 150.798+/-0.033 χ^2/NDF: 681887.0/20

All: 148.774+/-0.023 χ^2/NDF: 1261034.5/43

\- sign 146.863+/-0.032 χ^2/NDF: 571858.8/22

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -883.288+/-533.645 χ^2/NDF:6.6/4

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

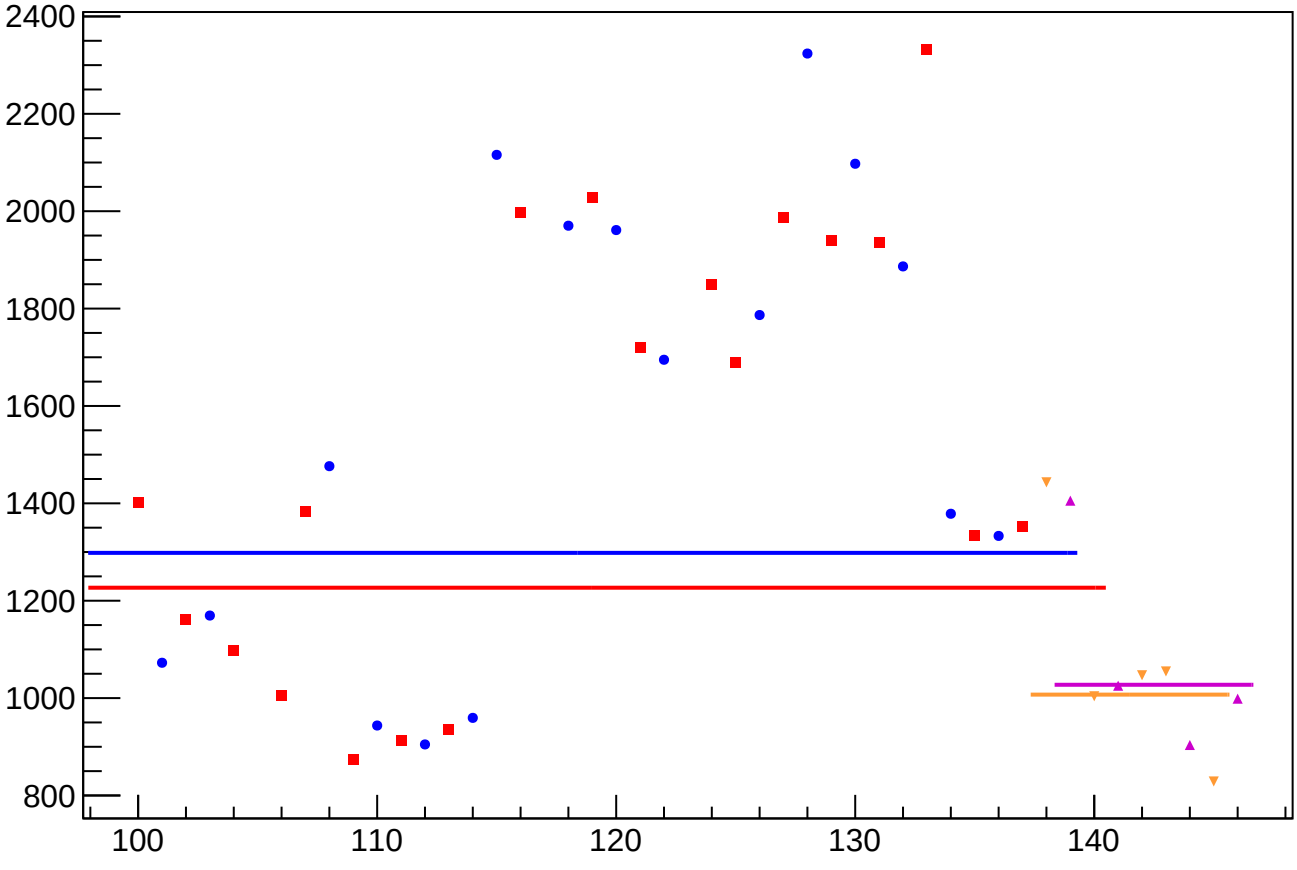
Left In: -763.770+/-557.099 χ^2/NDF:2.8/3

+ sign -534.803+/-367.257 χ^2/NDF: 29.3/20

All: -743.389+/-257.263 χ^2/NDF: 46.5/43

- sign -944.355+/-360.487 χ^2/NDF: 16.6/22

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1007.157+/-0.377 χ^2/NDF:220339.8/4

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

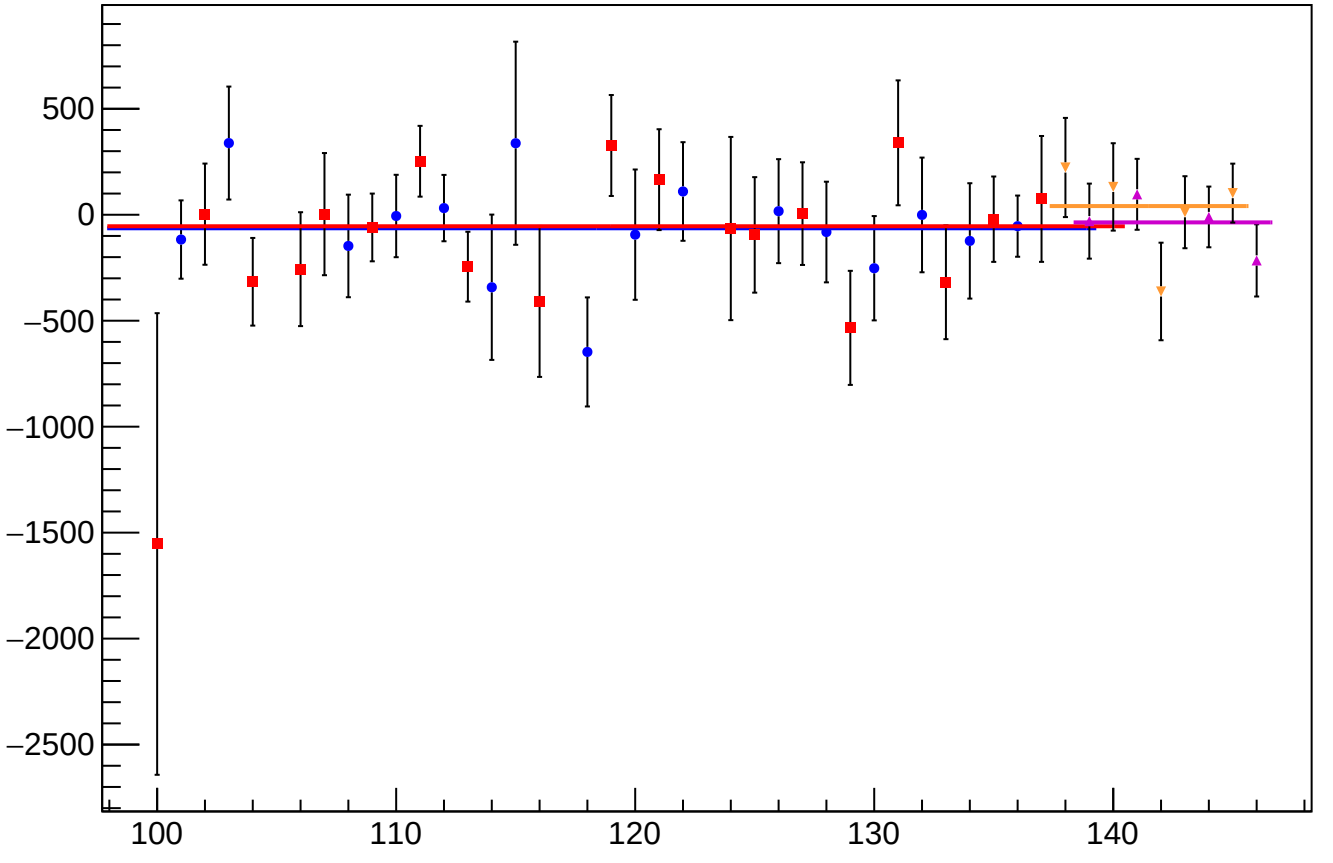
Left In: 1027.363+/-0.394 χ^2/NDF:155859.5/3

+ sign 1160.403+/-0.260 χ^2/NDF: 1715799.5/20

All: 1151.668+/-0.182 χ^2/NDF: 3427289.0/43

- sign 1143.252+/-0.255 χ^2/NDF: 1709268.0/22

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.965+/-82.482 χ^2/NDF:4.1/4

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

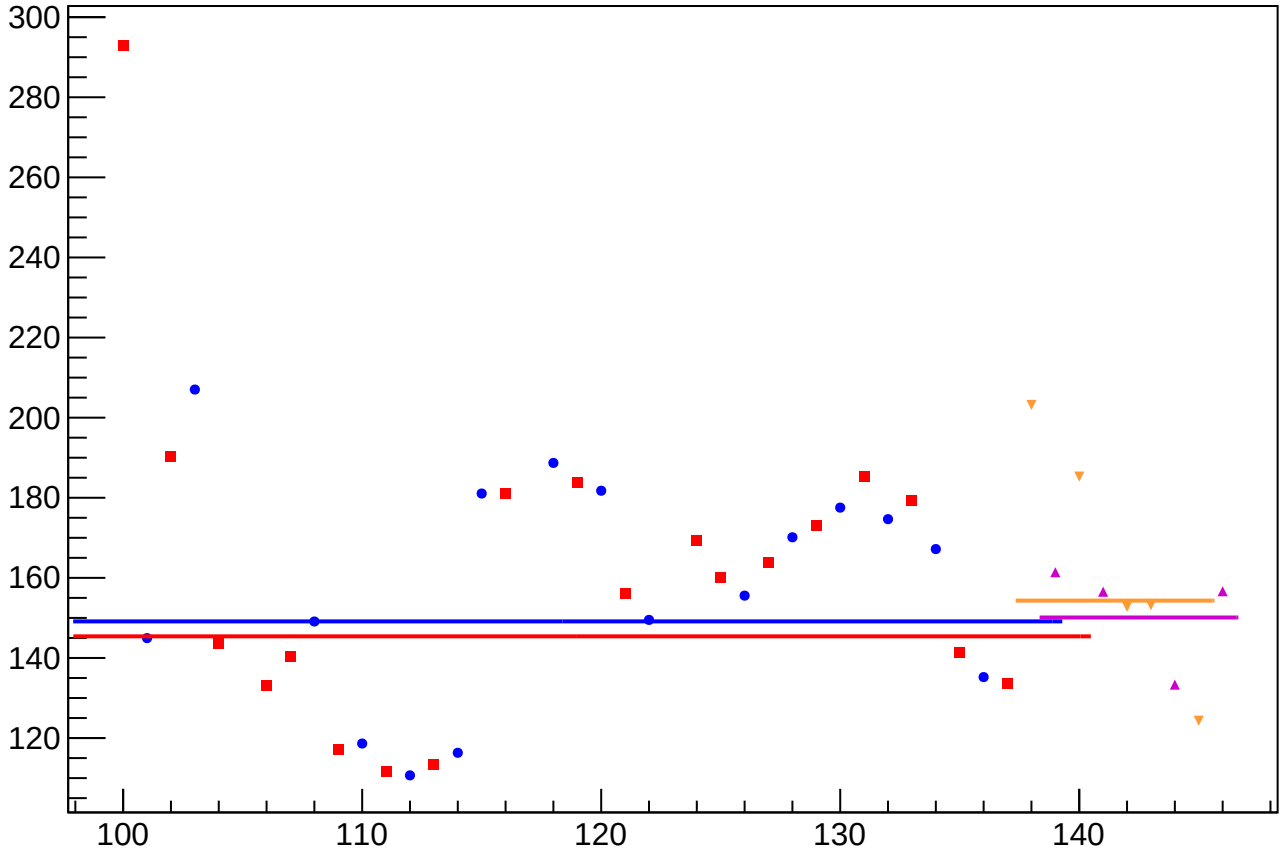
Left In: -36.042+/-81.433 χ^2/NDF:1.8/3

+ sign -30.139+/-46.744 χ^2/NDF: 16.0/20

All: -39.642+/-32.579 χ^2/NDF: 37.4/43

- sign -48.620+/-45.431 χ^2/NDF: 21.3/22

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 154.323+/-0.058 χ^2/NDF:225497.3/4

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

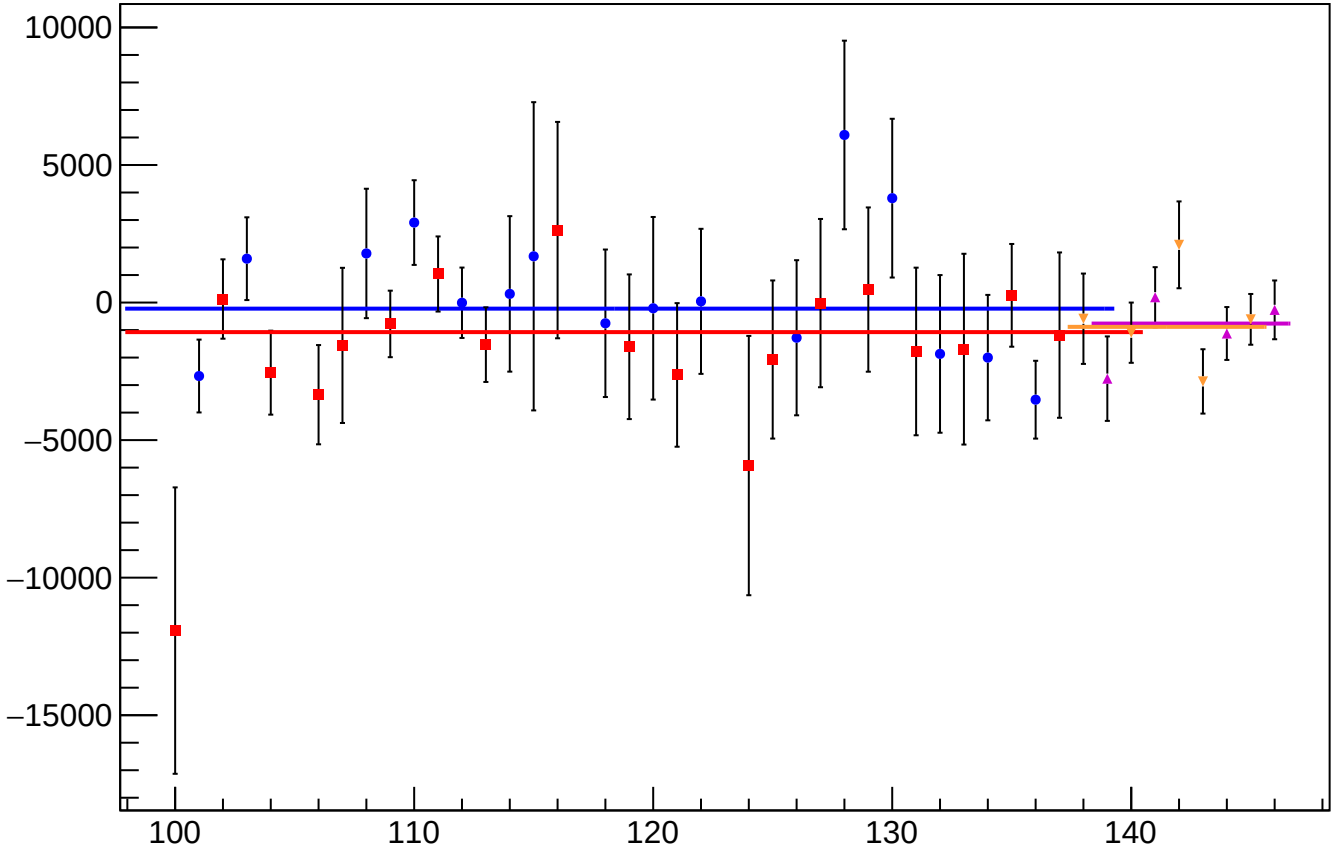
Left In: 150.102+/-0.058 χ^2/NDF:41444.0/3

+ sign 150.798+/-0.033 χ^2/NDF: 681883.8/20

All: 148.774+/-0.023 χ^2/NDF: 1261033.4/43

- sign 146.863+/-0.032 χ^2/NDF: 571860.7/22

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -883.289+/-533.644 χ^2/NDF:6.6/4

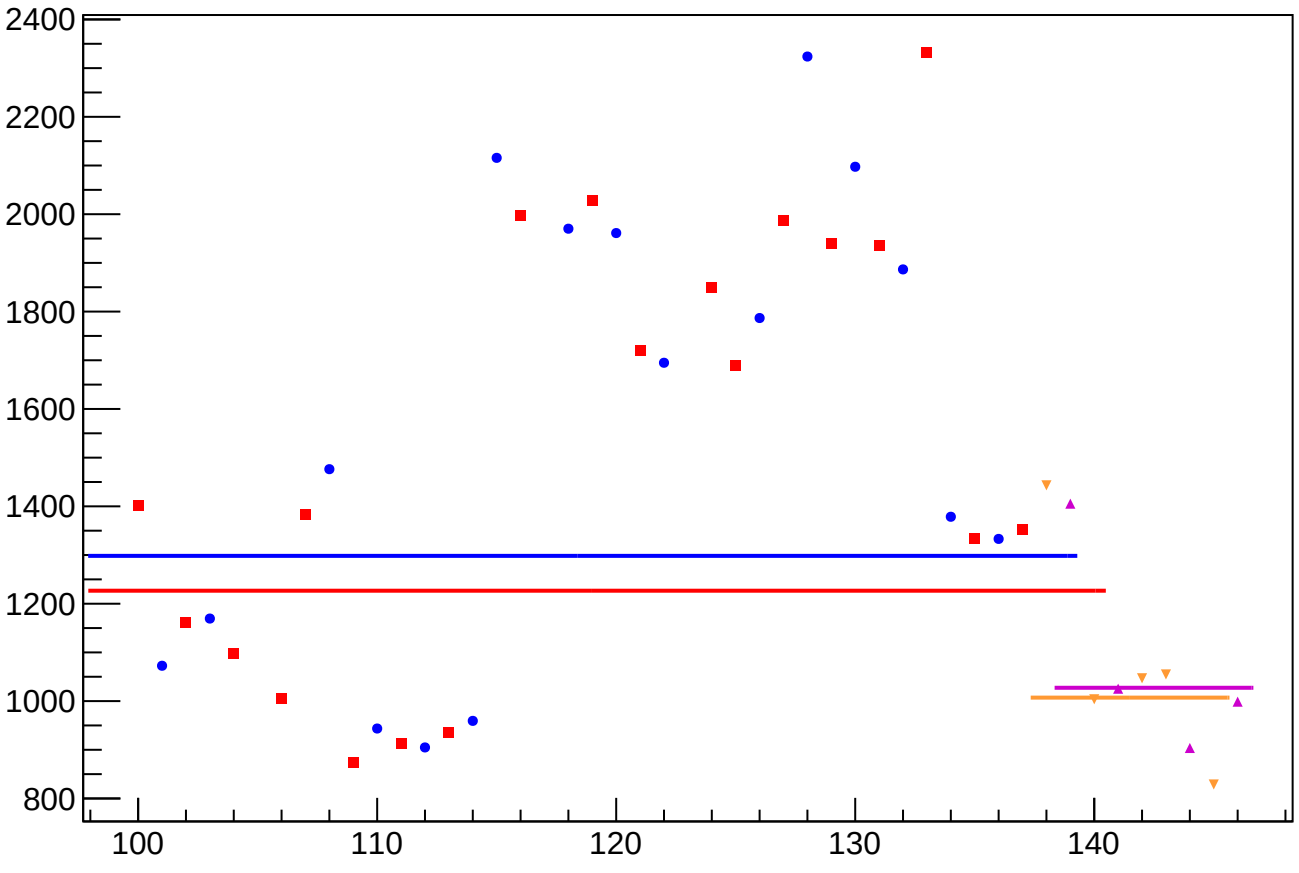
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -763.770+/-557.099 χ^2/NDF:2.8/3

+ sign -534.804+/-367.257 χ^2/NDF: 29.3/20

All: -743.389+/-257.263 χ^2/NDF: 46.5/43

- sign -944.355+/-360.486 χ^2/NDF: 16.6/22



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1007.155+/-0.377 χ^2/NDF:220340.9/4

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

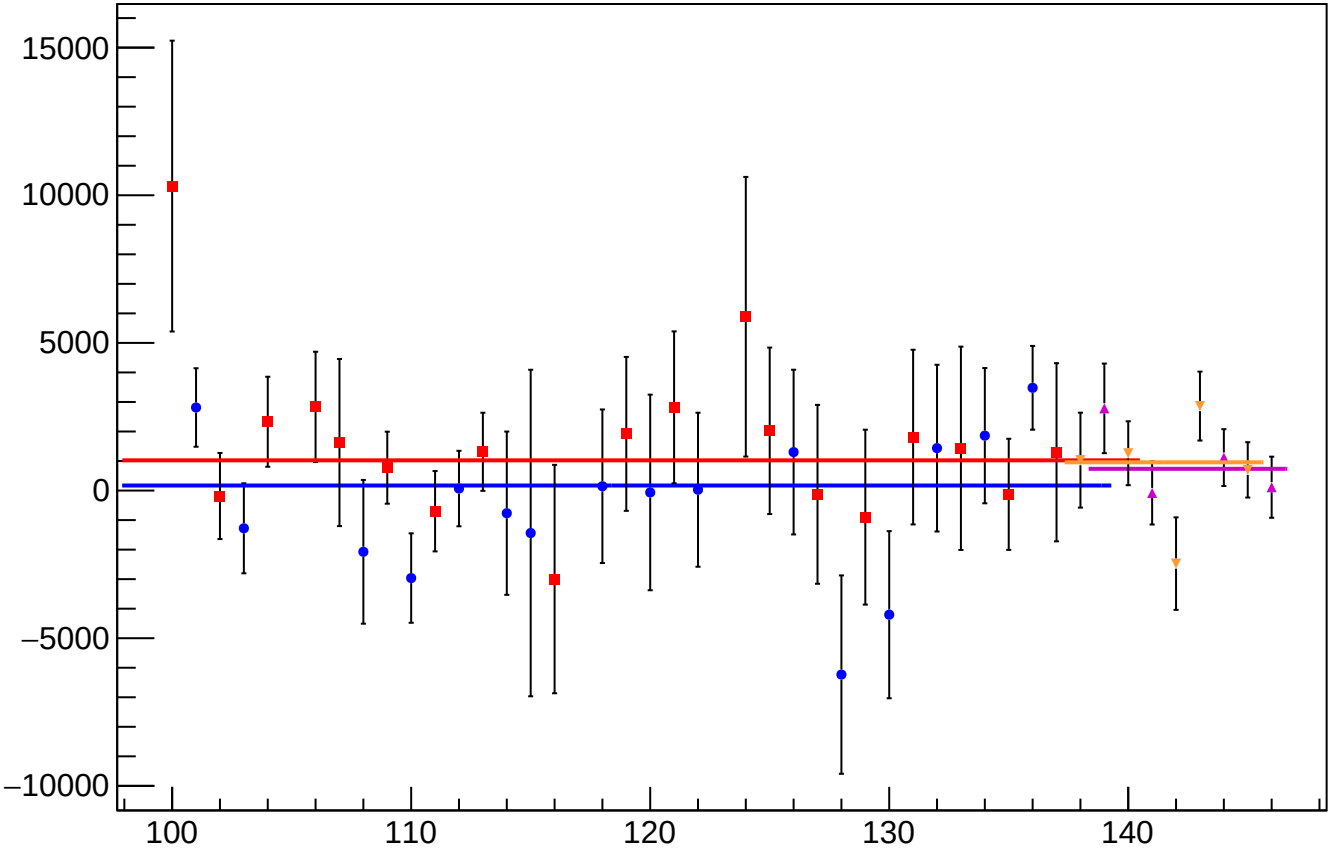
Left In: 1027.362+/-0.394 χ^2/NDF:155859.2/3

+ sign 1160.401+/-0.260 χ^2/NDF: 1715807.1/20

All: 1151.667+/-0.182 χ^2/NDF: 3427299.1/43

- sign 1143.251+/-0.255 χ^2/NDF: 1709270.6/22

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 956.816+/-532.879 χ^2/NDF:7.6/4

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

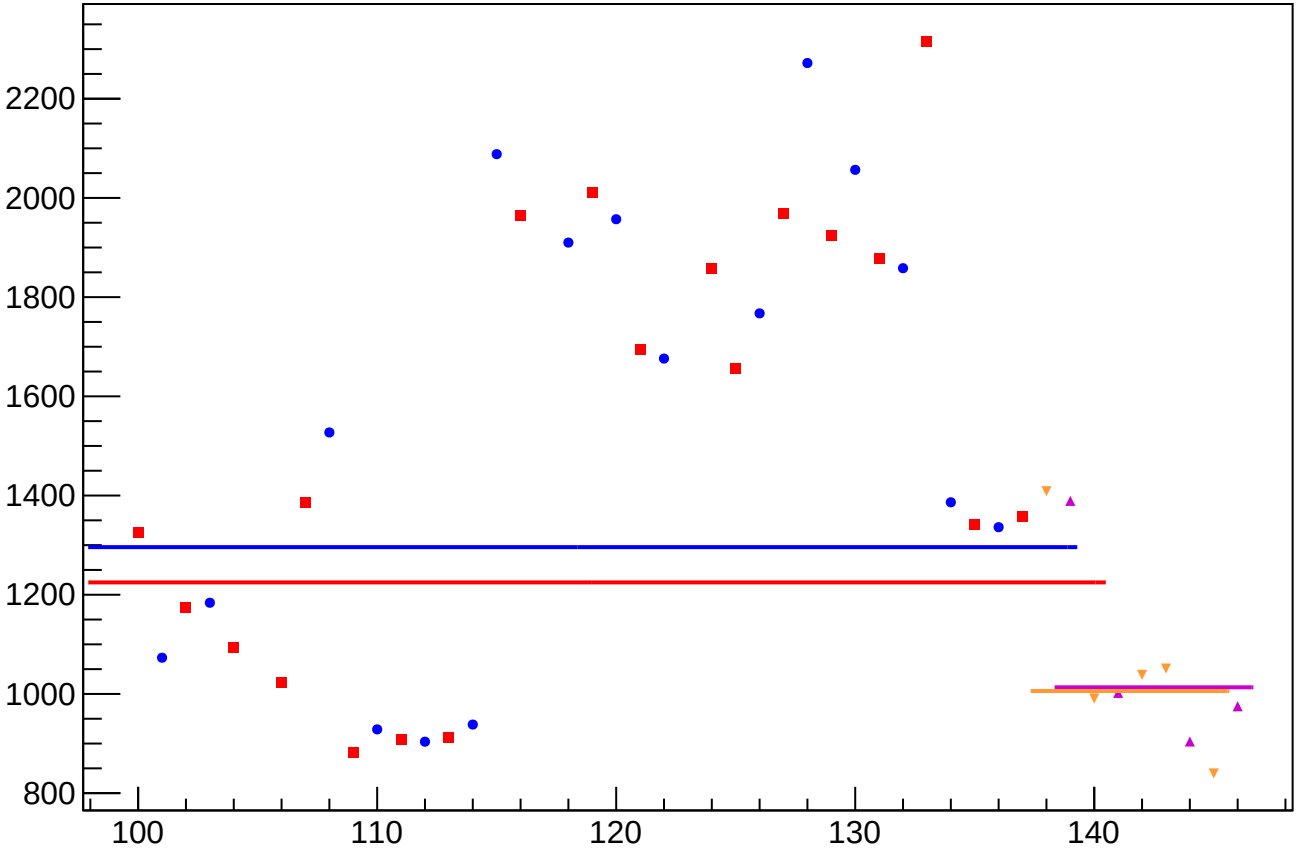
Left In: 736.415+/-548.476 χ^2/NDF:2.9/3

+ sign 542.950+/-366.601 χ^2/NDF: 31.3/20

All: 726.578+/-256.046 χ^2/NDF: 46.5/43

- sign 901.463+/-357.767 χ^2/NDF: 14.6/22

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1005.960+/-0.377 χ^2/NDF:192783.3/4

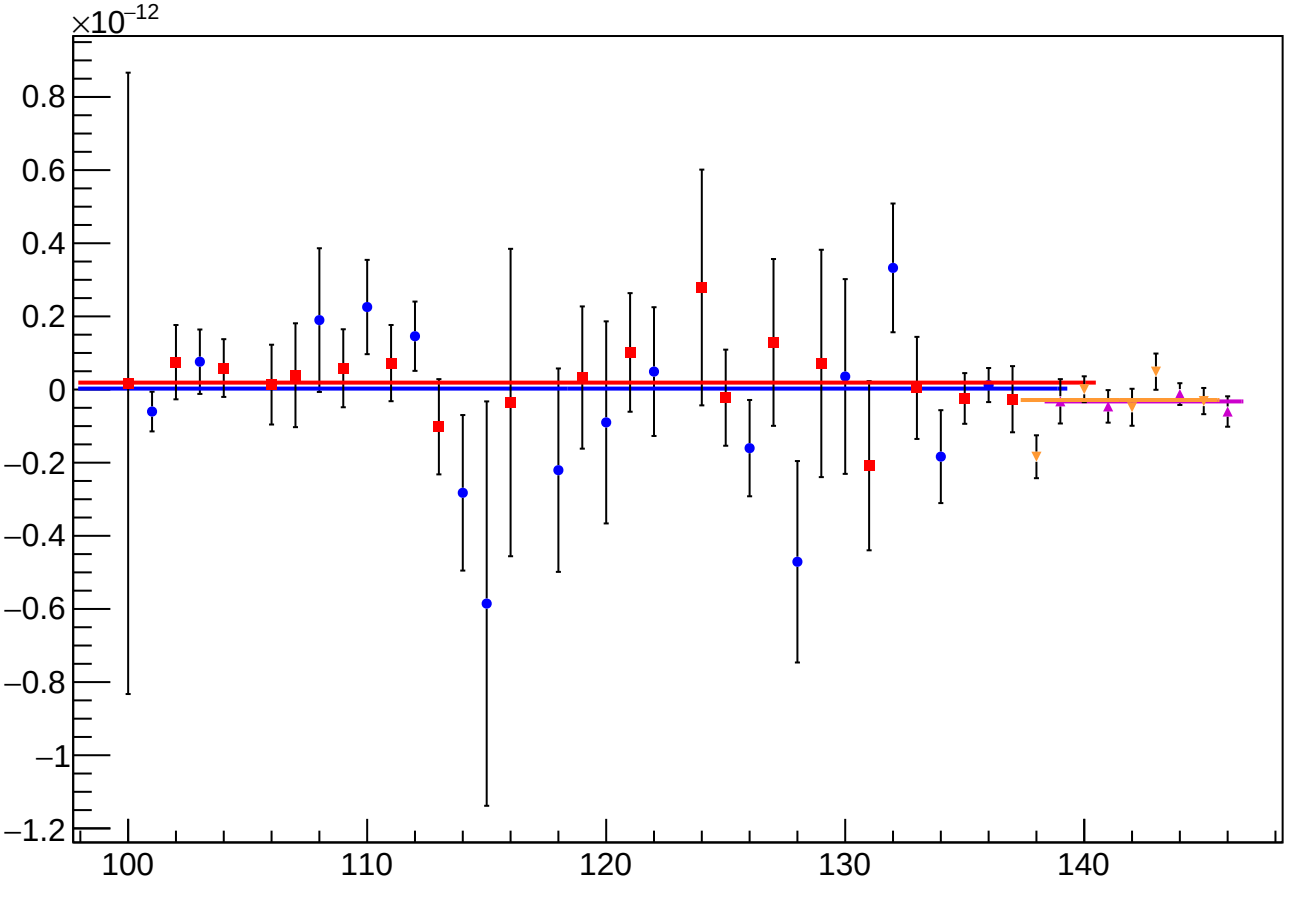
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1013.366+/-0.388 χ^2/NDF:151474.5/3

+ sign 1158.720+/-0.259 χ^2/NDF: 1659014.6/20

All: 1146.509+/-0.181 χ^2/NDF: 3356973.8/43

- sign 1134.879+/-0.253 χ^2/NDF: 1693627.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/4

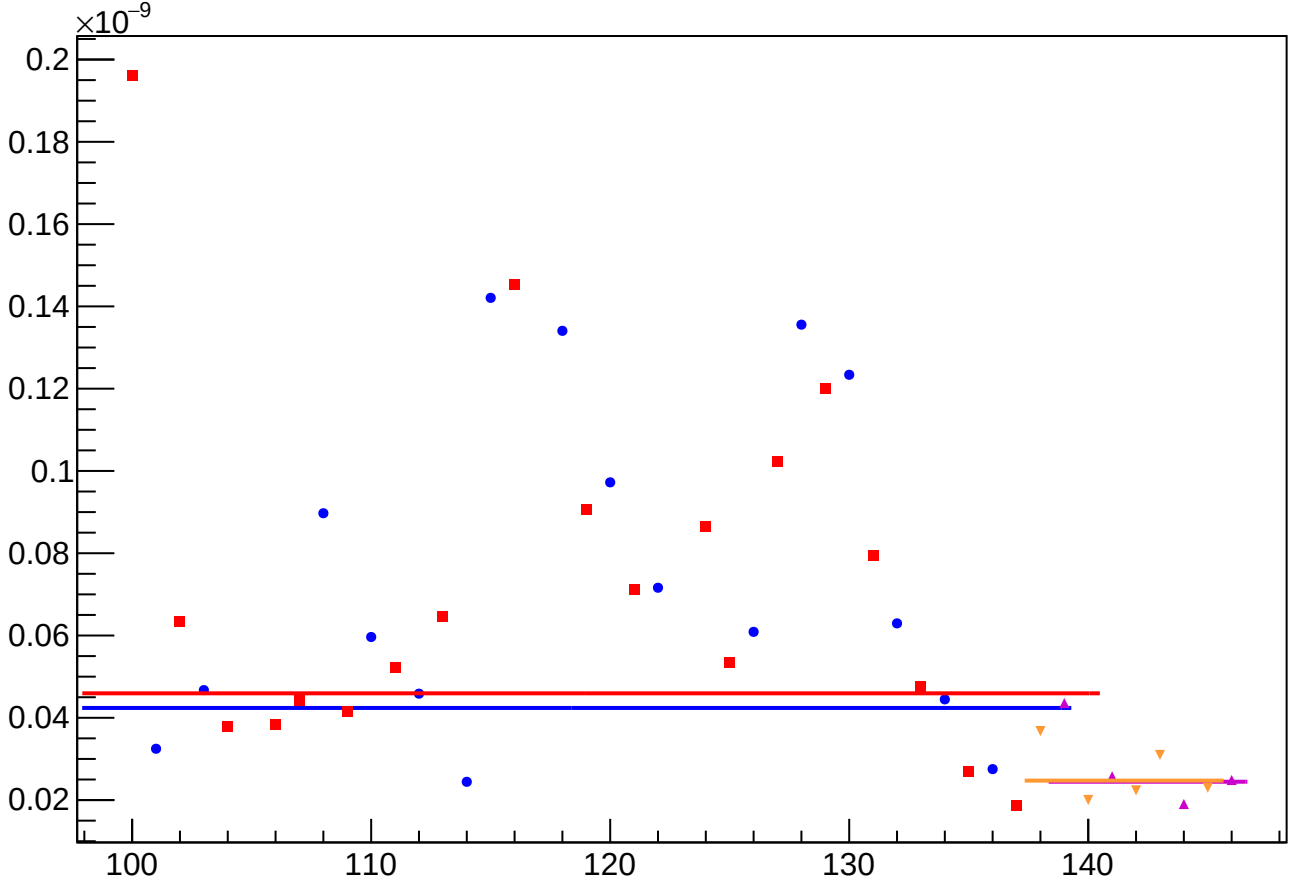
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/20

All: -0.000+/-0.000 χ^2/NDF: 41.2/43

- sign -0.000+/-0.000 χ^2/NDF: 7.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:160486.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

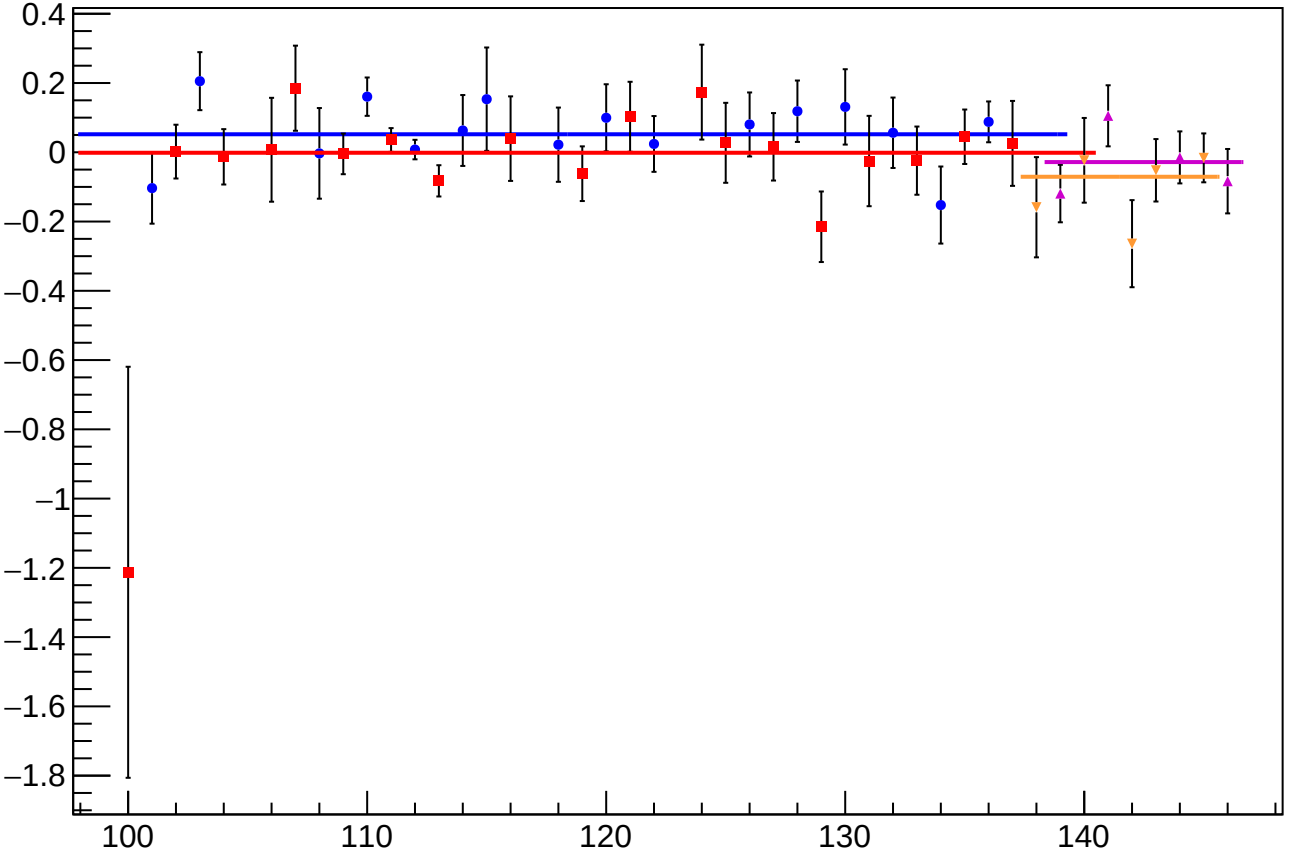
Left In: 0.000+/-0.000 χ^2/NDF:267014.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 2071592.0/20

All: 0.000+/-0.000 χ^2/NDF: 4205792.8/43

- sign 0.000+/-0.000 χ^2/NDF: 2132443.4/22

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.071+/-0.045 χ^2/NDF:3.5/4

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

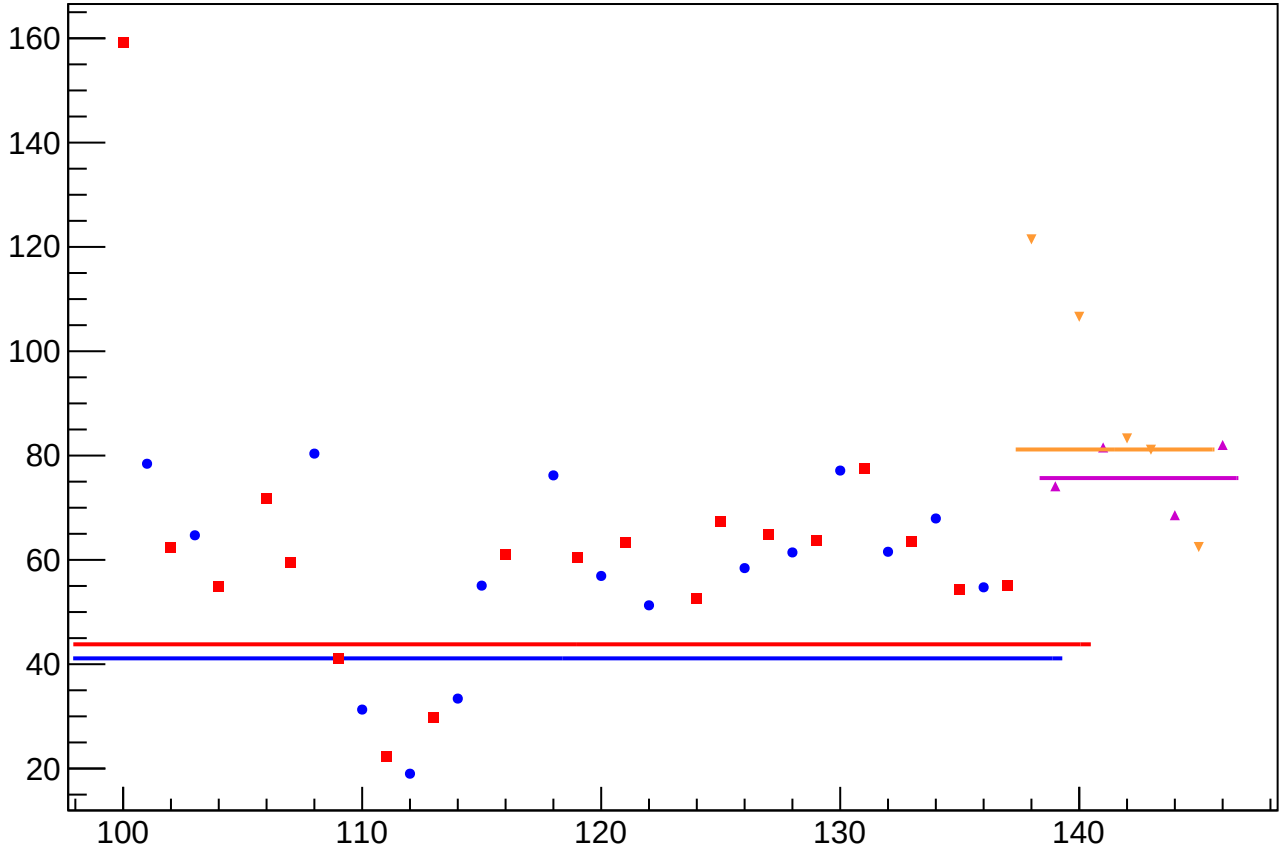
Left In: -0.028+/-0.042 χ^2/NDF:3.9/3

+ sign 0.035+/-0.017 χ^2/NDF: 28.0/20

All: 0.015+/-0.012 χ^2/NDF: 54.5/43

- sign -0.006+/-0.016 χ^2/NDF: 23.5/22

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: 81.167+/-0.032 χ^2/NDF:382404.2/4

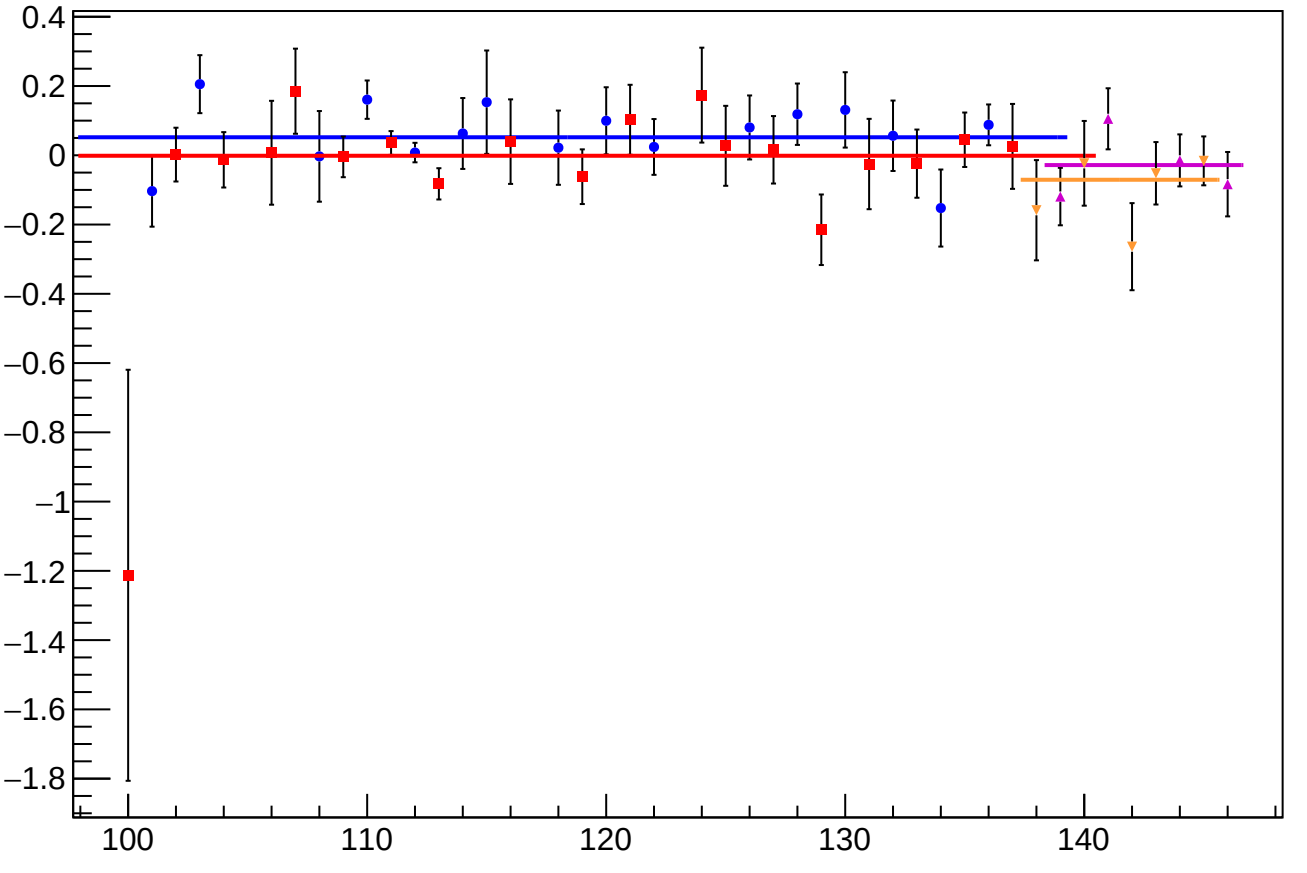
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 75.685+/-0.030 χ^2/NDF:36864.5/3

+ sign 46.596+/-0.012 χ^2/NDF: 4696281.5/20

All: 47.662+/-0.008 χ^2/NDF: 7772261.7/43

- sign 48.725+/-0.012 χ^2/NDF: 3059338.9/22



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.071+/-0.045 χ^2/NDF:3.5/4

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

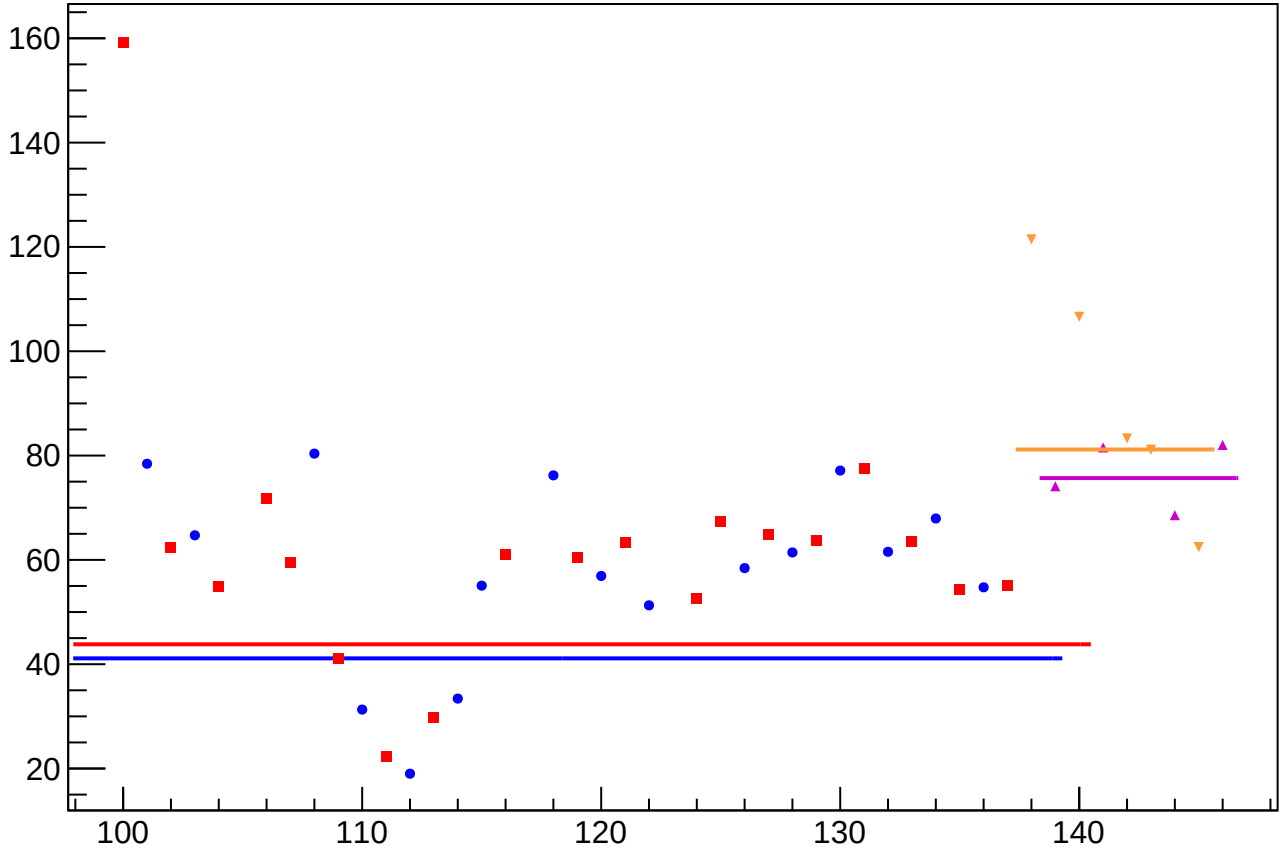
Left In: -0.028+/-0.042 χ^2/NDF:3.9/3

+ sign 0.035+/-0.017 χ^2/NDF: 28.0/20

All: 0.015+/-0.012 χ^2/NDF: 54.5/43

- sign -0.006+/-0.016 χ^2/NDF: 23.5/22

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 81.167+/-0.032 χ^2/NDF:382404.2/4

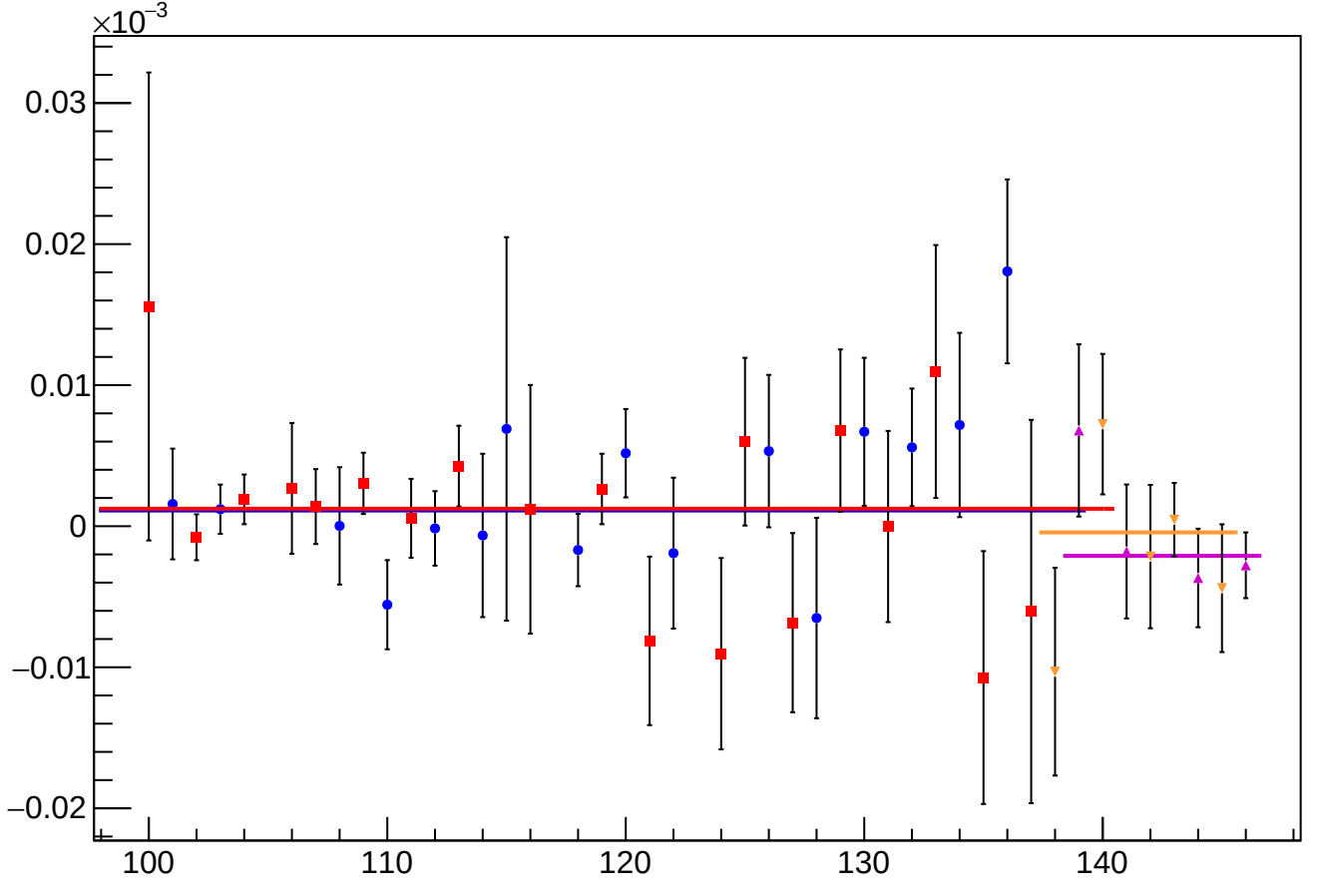
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 75.685+/-0.030 χ^2/NDF:36864.5/3

+ sign 46.596+/-0.012 χ^2/NDF: 4696281.5/20

All: 47.662+/-0.008 χ^2/NDF: 7772261.7/43

- sign 48.725+/-0.012 χ^2/NDF: 3059338.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/4

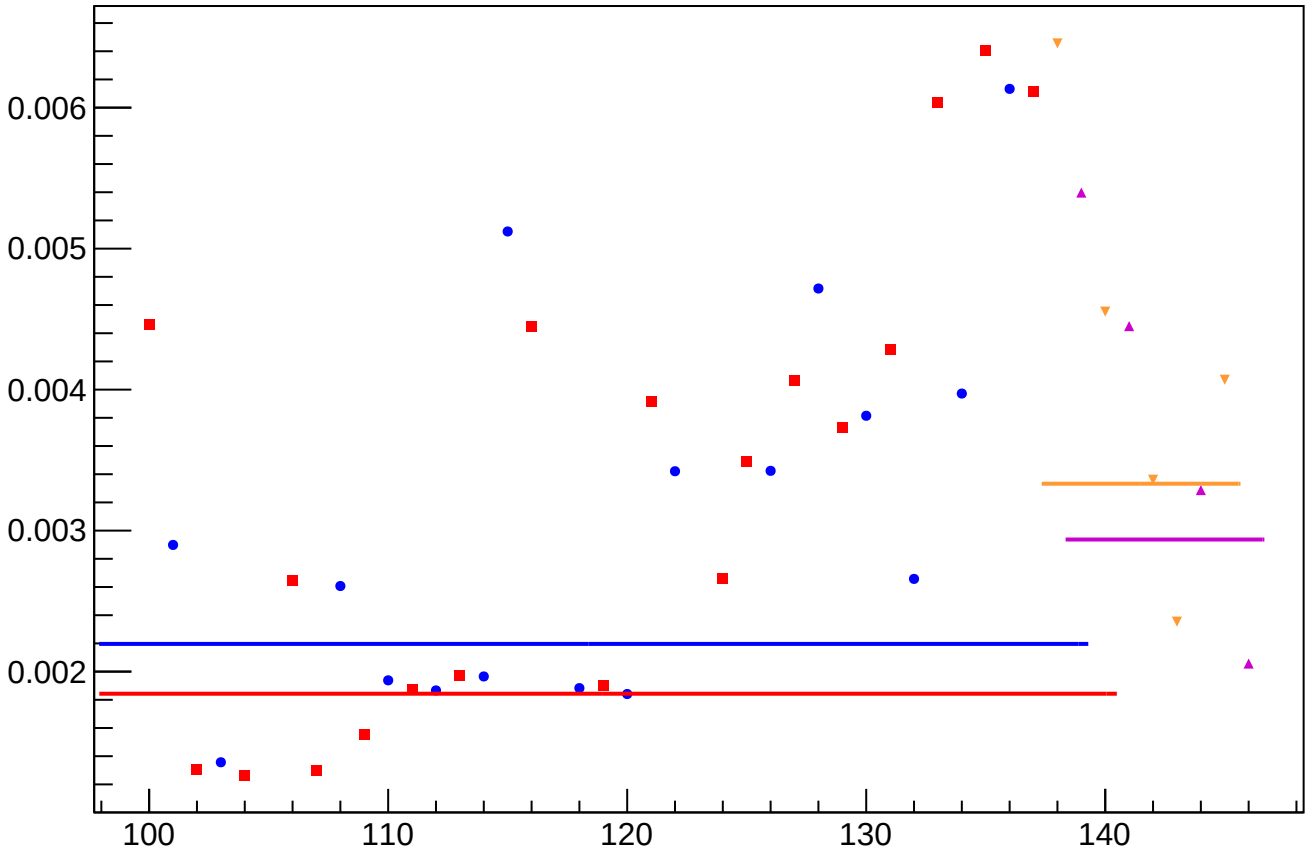
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.6/20

All: 0.000+/-0.000 χ^2/NDF: 47.1/43

- sign 0.000+/-0.000 χ^2/NDF: 21.5/22



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:814339.6/4

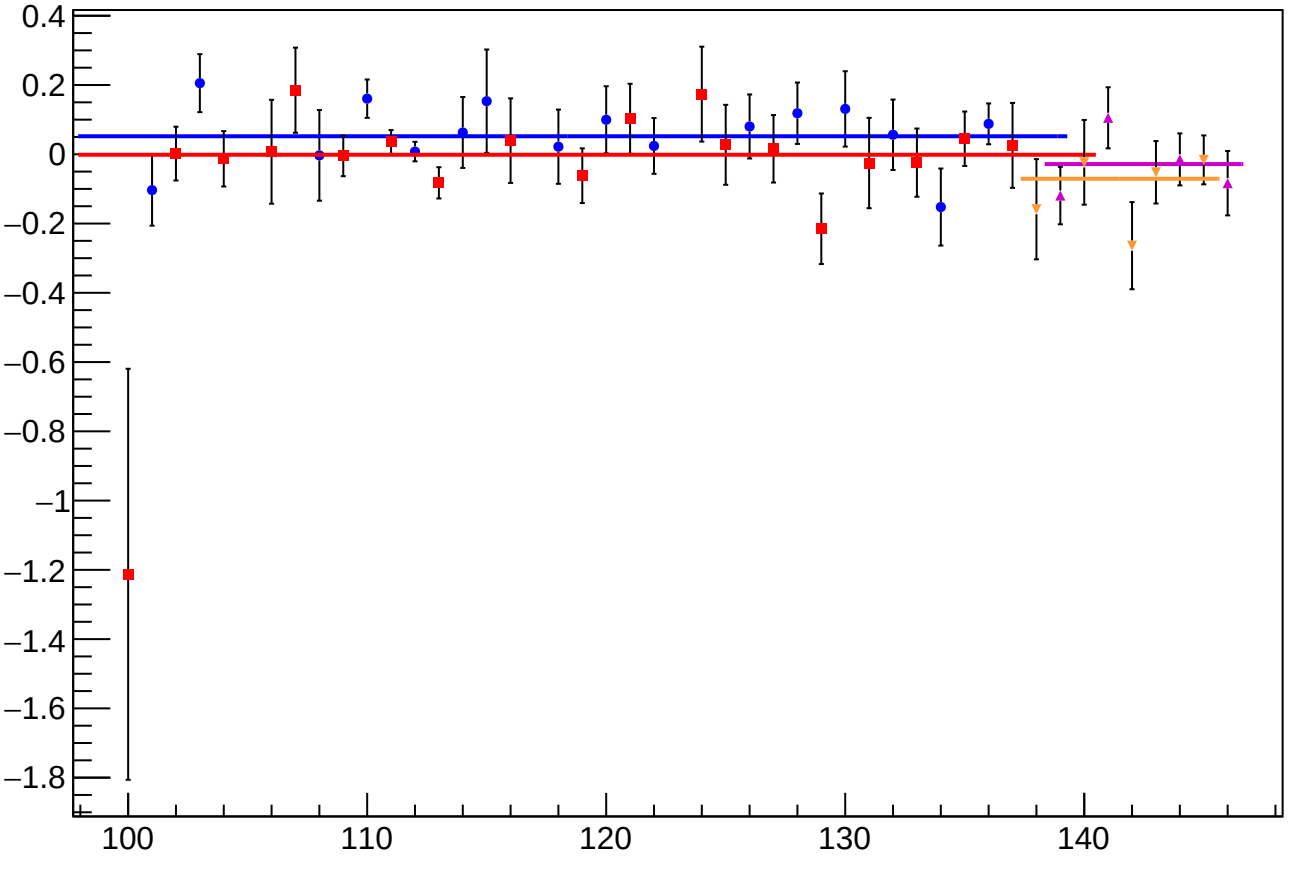
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:833196.6/3

+ sign 0.002+/-0.000 χ^2/NDF: 3716941.1/20

All: 0.002+/-0.000 χ^2/NDF: 8632079.1/43

- sign 0.002+/-0.000 χ^2/NDF: 4644676.7/22



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.071+/-0.045 χ^2/NDF:3.5/4

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

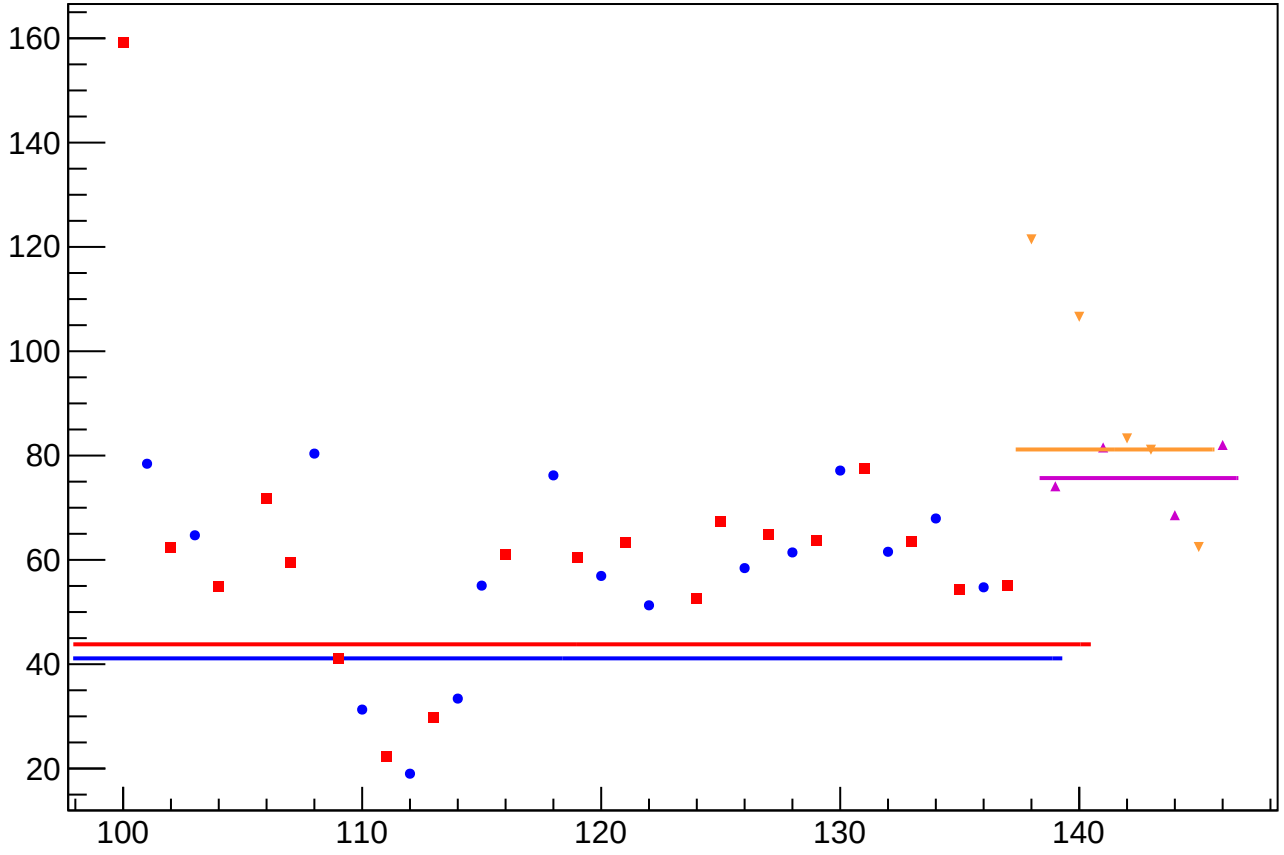
Left In: -0.028+/-0.042 χ^2/NDF:3.9/3

+ sign 0.035+/-0.017 χ^2/NDF: 28.0/20

All: 0.015+/-0.012 χ^2/NDF: 54.5/43

- sign -0.006+/-0.016 χ^2/NDF: 23.5/22

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 81.168+/-0.032 χ^2/NDF:382375.9/4

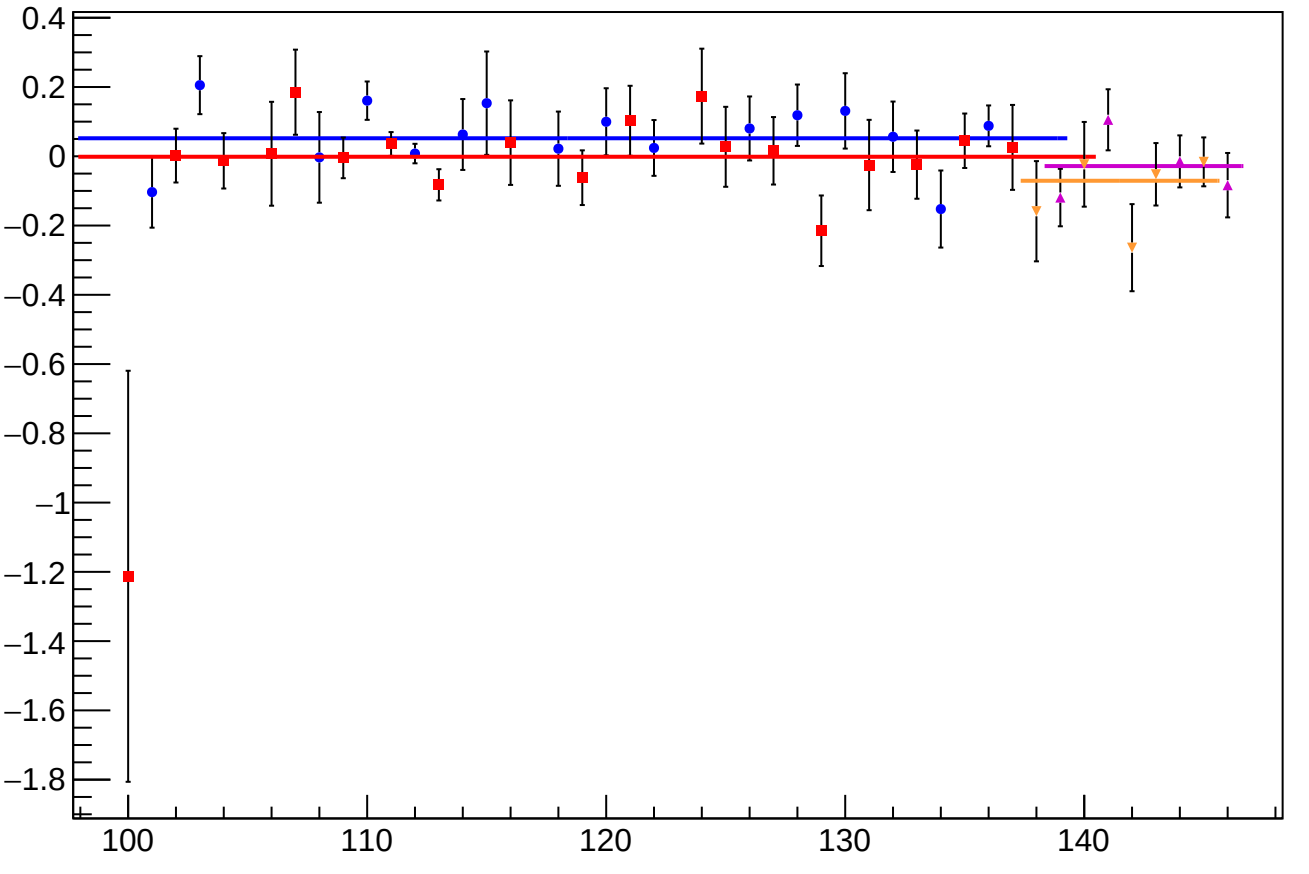
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 75.685+/-0.030 χ^2/NDF:36866.9/3

+ sign 46.595+/-0.012 χ^2/NDF: 4696532.5/20

All: 47.661+/-0.008 χ^2/NDF: 7772775.6/43

- sign 48.724+/-0.012 χ^2/NDF: 3059600.5/22



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.071+/-0.045 χ^2/NDF:3.5/4

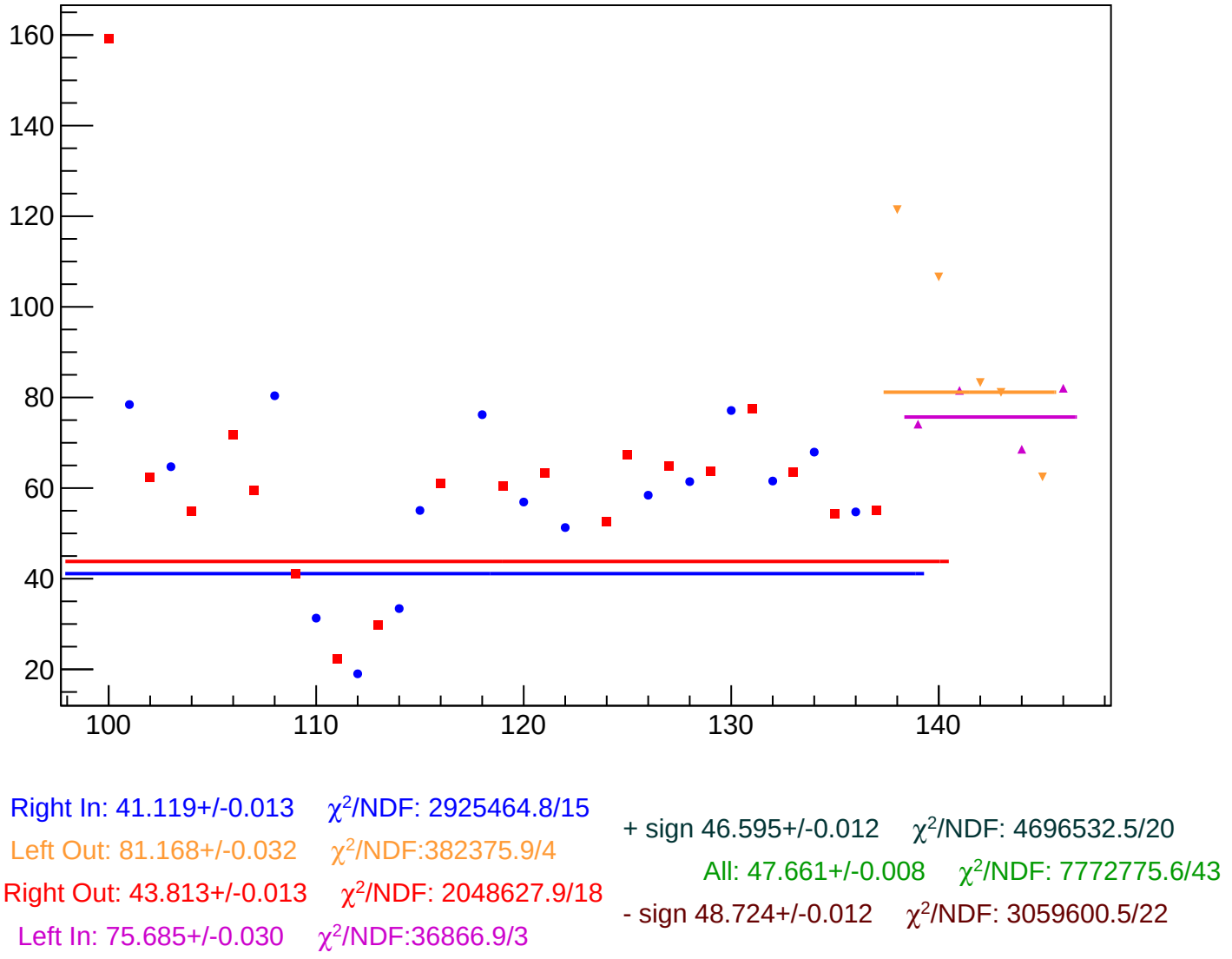
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

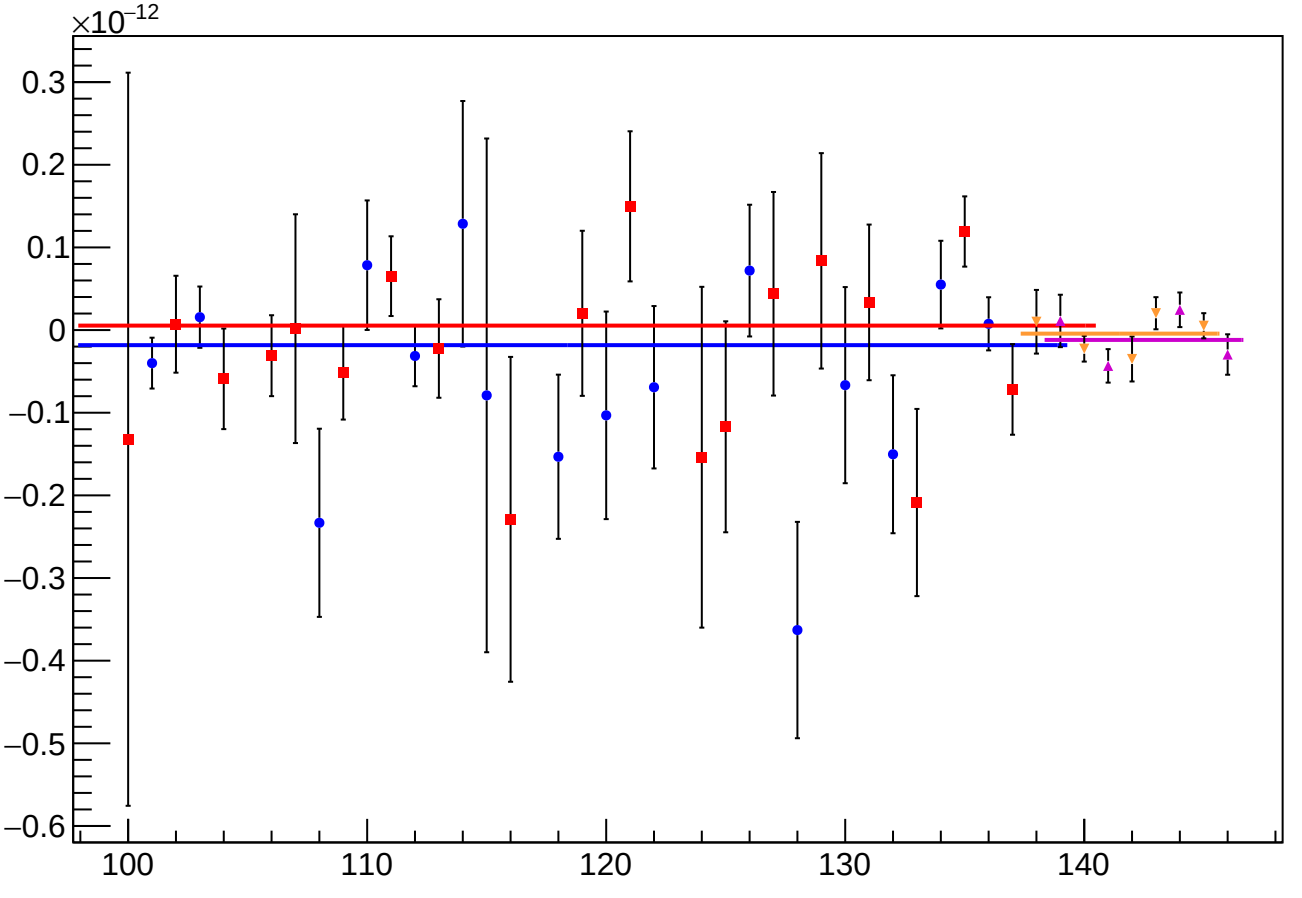
Left In: -0.028+/-0.042 χ^2/NDF:3.9/3

+ sign 0.035+/-0.017 χ^2/NDF: 28.0/20

All: 0.015+/-0.012 χ^2/NDF: 54.5/43

- sign -0.006+/-0.016 χ^2/NDF: 23.5/22


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
40
20
100
110
120
130
140
Right In: 41.119+/-0.013 χ²/NDF: 2925464.8/15
Left Out: 81.168+/-0.032 χ²/NDF:382375.9/4
Right Out: 43.813+/-0.013 χ²/NDF: 2048627.9/18
Left In: 75.685+/-0.030 χ²/NDF:36866.9/3
+ sign 46.595+/-0.012 χ²/NDF: 4696532.5/20
All: 47.661+/-0.008 χ²/NDF: 7772775.6/43
- sign 48.724+/-0.012 χ²/NDF: 3059600.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/4

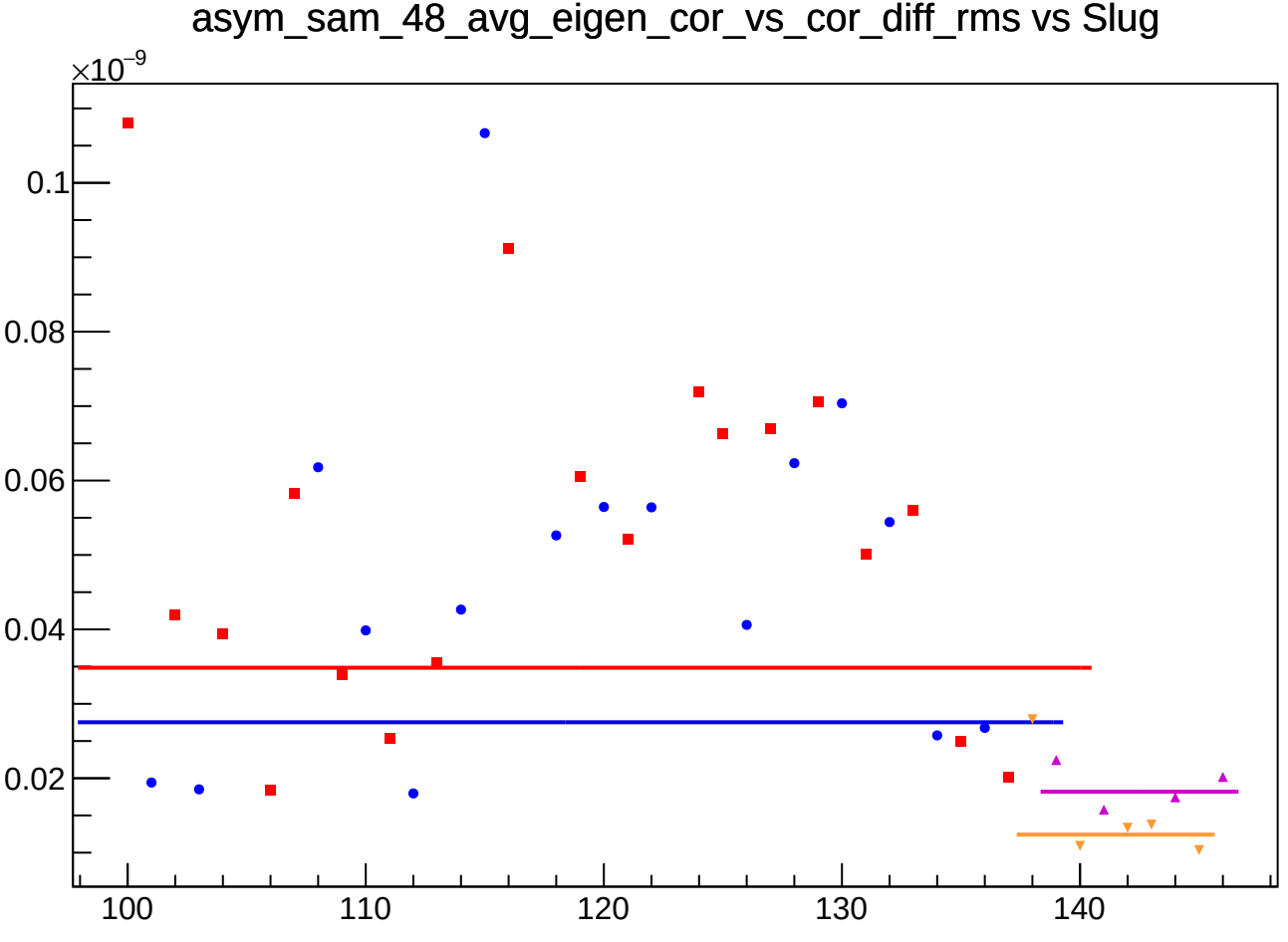
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/3

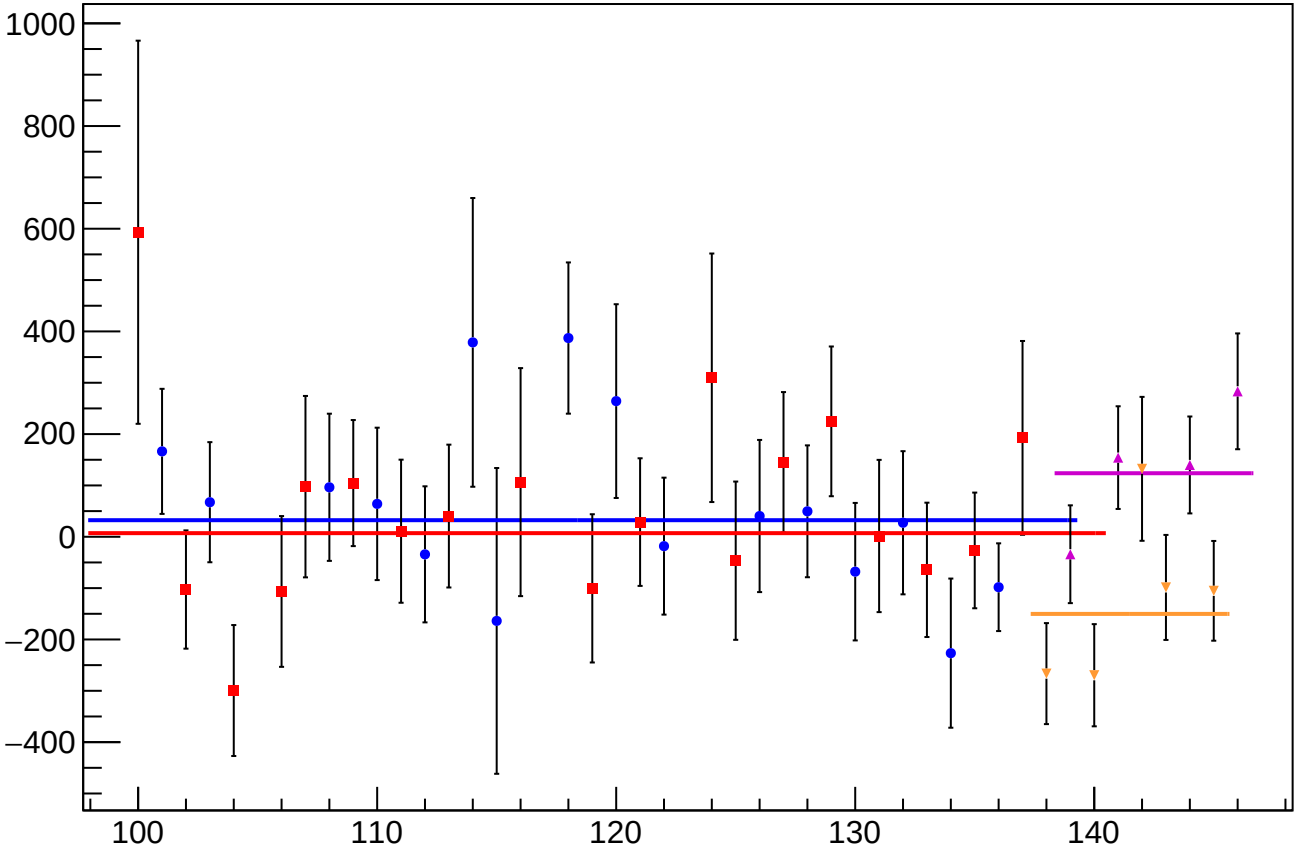
+ sign -0.000+/-0.000 χ^2/NDF: 28.5/20

All: -0.000+/-0.000 χ^2/NDF: 59.0/43

- sign -0.000+/-0.000 χ^2/NDF: 30.5/22


asym_sam_48_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
Right In: 0.000+/-0.000 χ²/NDF: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:392089.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:80198.3/3
+ sign 0.000+/-0.000 χ²/NDF: 3796866.3/20
All: 0.000+/-0.000 χ²/NDF: 7591312.6/43
- sign 0.000+/-0.000 χ²/NDF: 3096522.1/22

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -150.221+/-46.786 χ^2/NDF:7.4/4

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

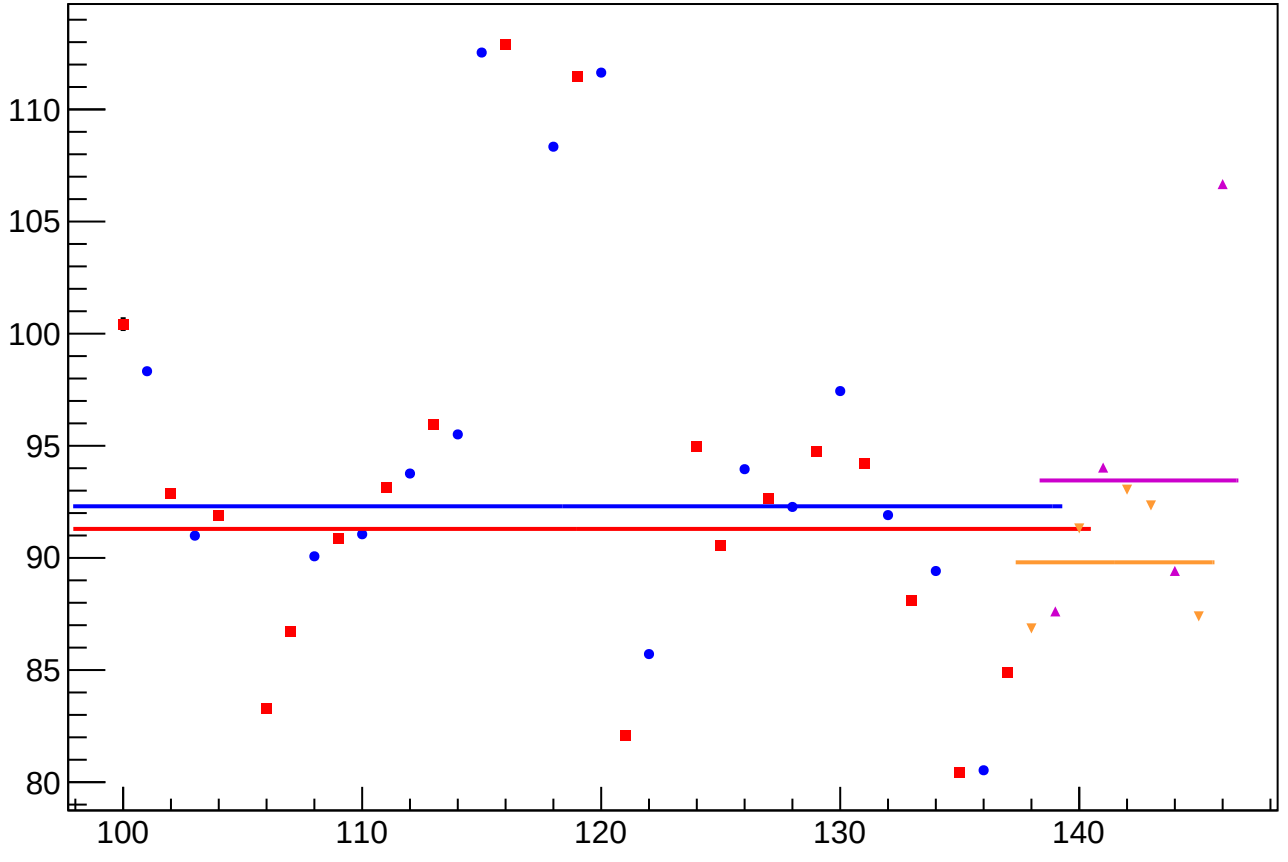
Left In: 123.778+/-49.929 χ^2/NDF:4.9/3

+ sign -31.820+/-27.730 χ^2/NDF: 34.5/20

All: 5.622+/-19.623 χ^2/NDF: 64.6/43

- sign 43.180+/-27.773 χ^2/NDF: 26.4/22

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.804+/-0.033 χ^2/NDF:5787.9/4

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

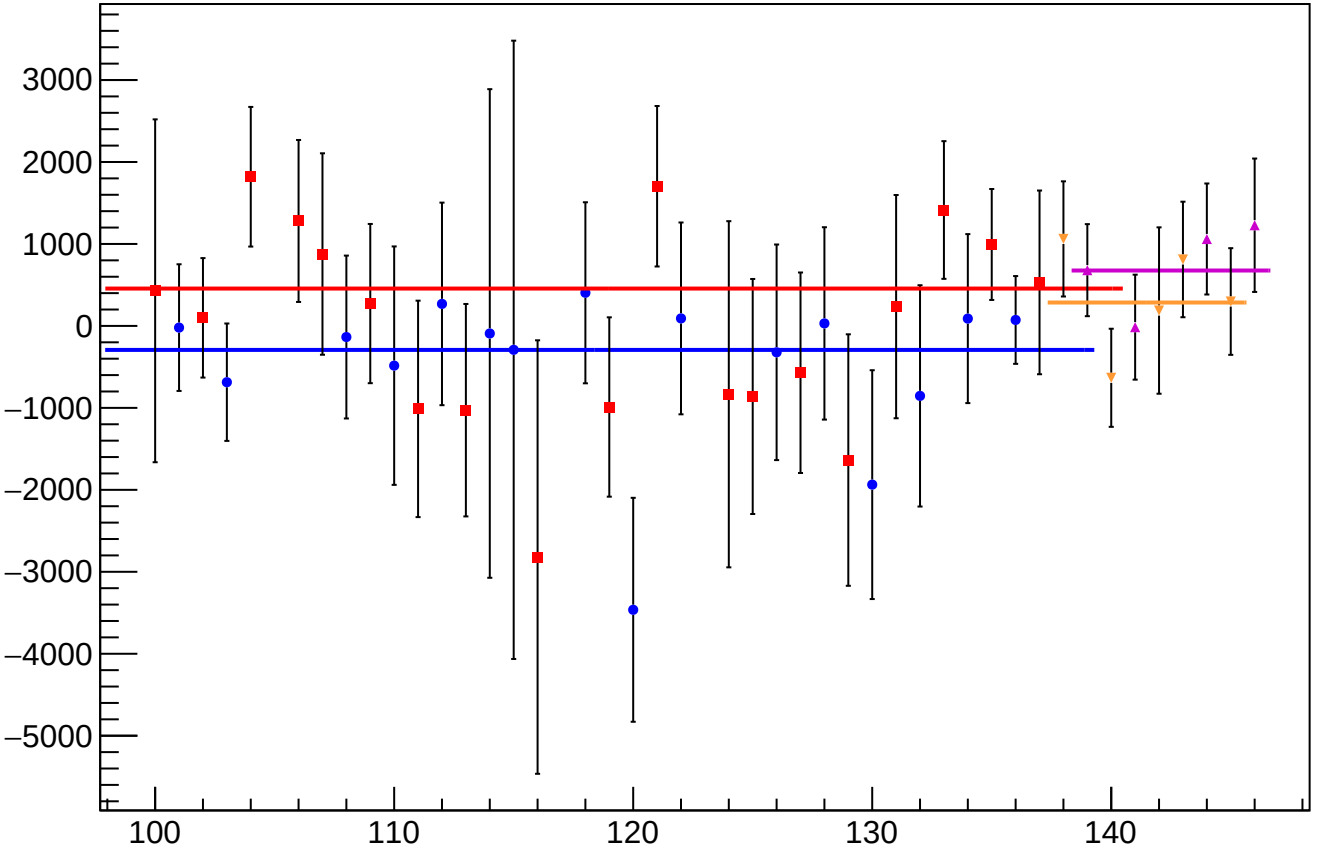
Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

\+ sign 91.425+/-0.020 χ^2/NDF: 116554.1/20

All: 91.693+/-0.014 χ^2/NDF: 263309.6/43

\- sign 91.962+/-0.020 χ^2/NDF: 146380.3/22

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 285.451+/-313.678 χ^2/NDF:4.1/4

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

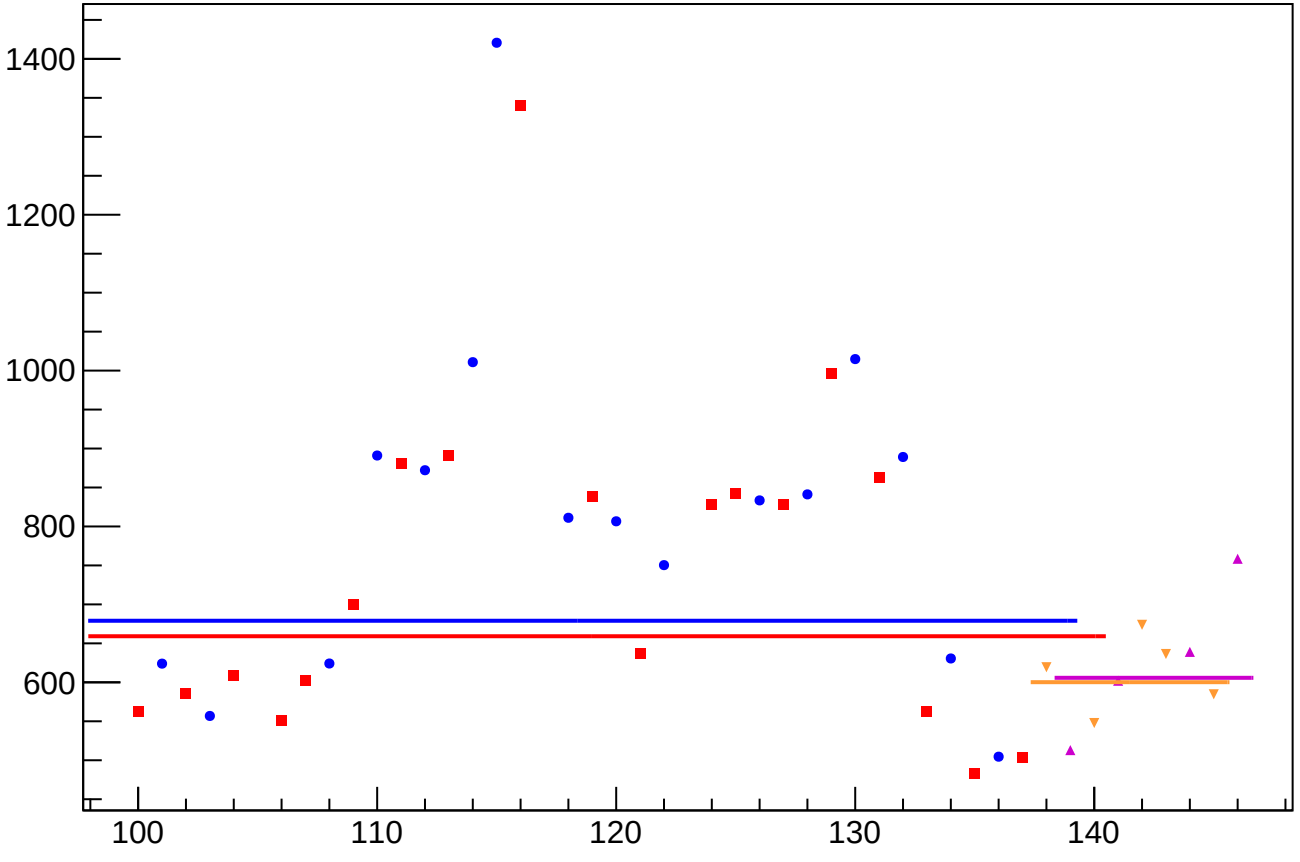
Left In: 676.005+/-327.890 χ^2/NDF:1.9/3

\+ sign -57.615+/-200.035 χ^2/NDF: 15.0/20

All: 242.114+/-140.778 χ^2/NDF: 38.5/43

\- sign 536.245+/-198.158 χ^2/NDF: 19.1/22

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 600.186+/-0.222 χ^2/NDF:33763.6/4

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

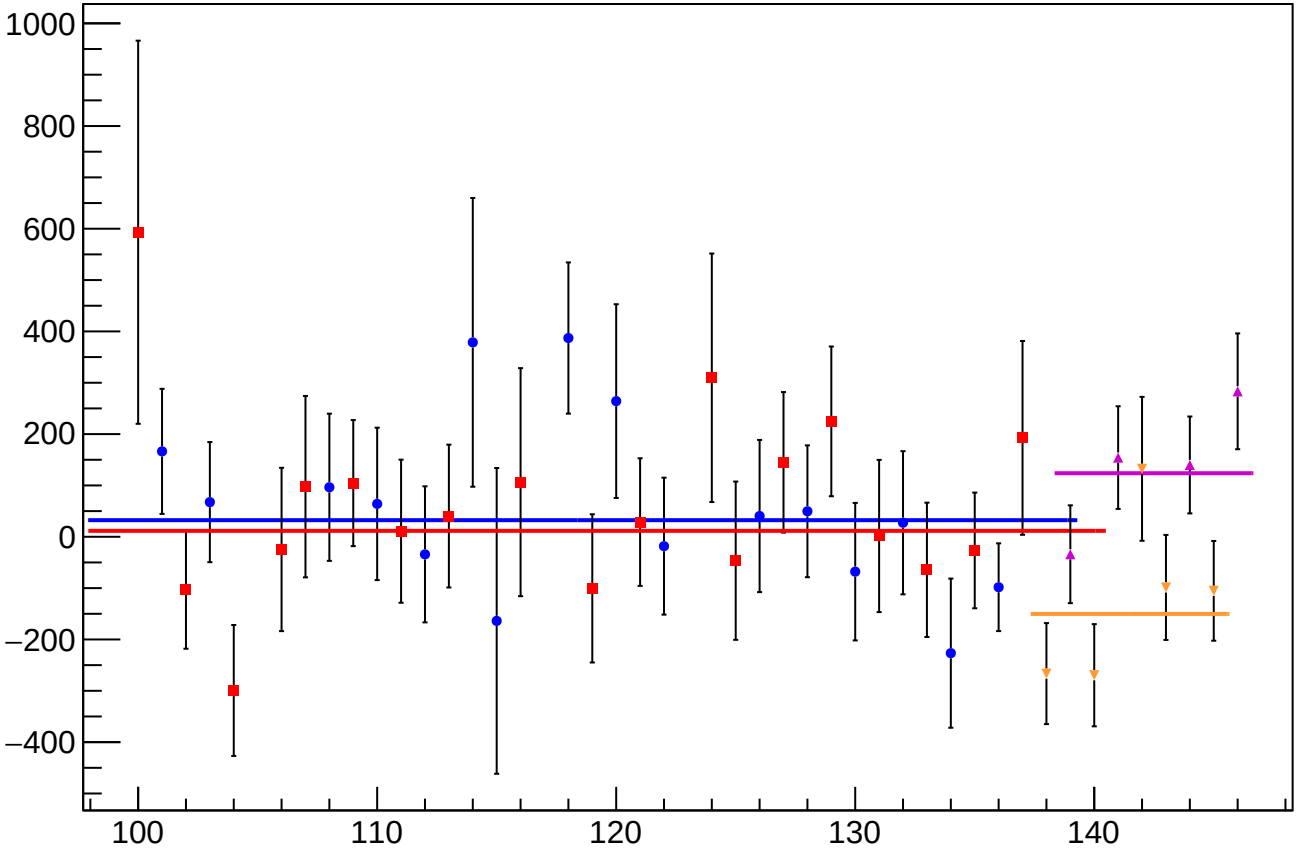
Left In: 605.797+/-0.232 χ^2/NDF:129973.2/3

+ sign 646.950+/-0.141 χ^2/NDF: 876666.6/20

All: 643.267+/-0.100 χ^2/NDF: 1837452.8/43

- sign 639.653+/-0.140 χ^2/NDF: 959442.9/22

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -150.224+/-46.786 χ^2/NDF:7.4/4

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

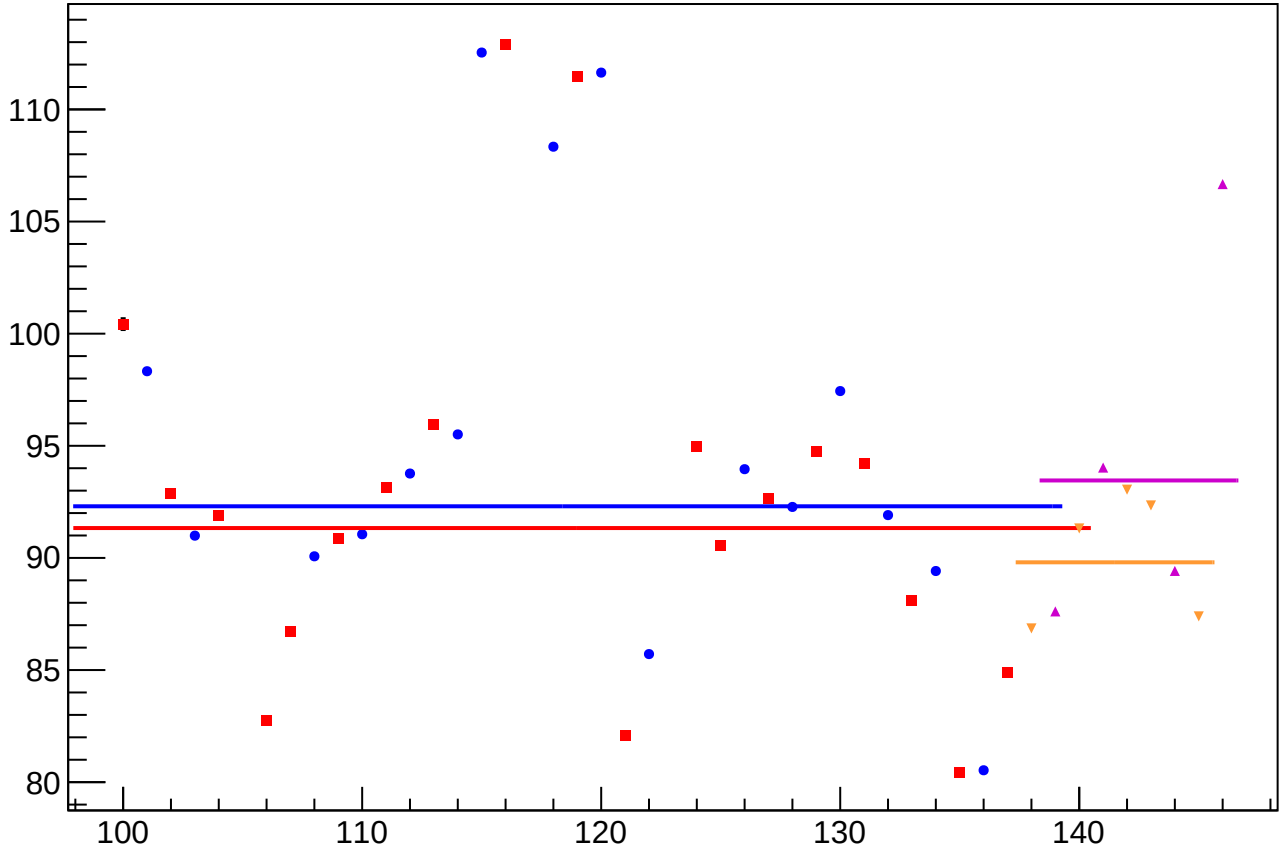
Left In: 123.784+/-49.929 χ^2/NDF:4.9/3

+ sign -31.811+/-27.730 χ^2/NDF: 34.6/20

All: 7.169+/-19.649 χ^2/NDF: 64.1/43

- sign 46.478+/-27.846 χ^2/NDF: 25.5/22

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.804+/-0.033 χ^2/NDF:5787.9/4

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

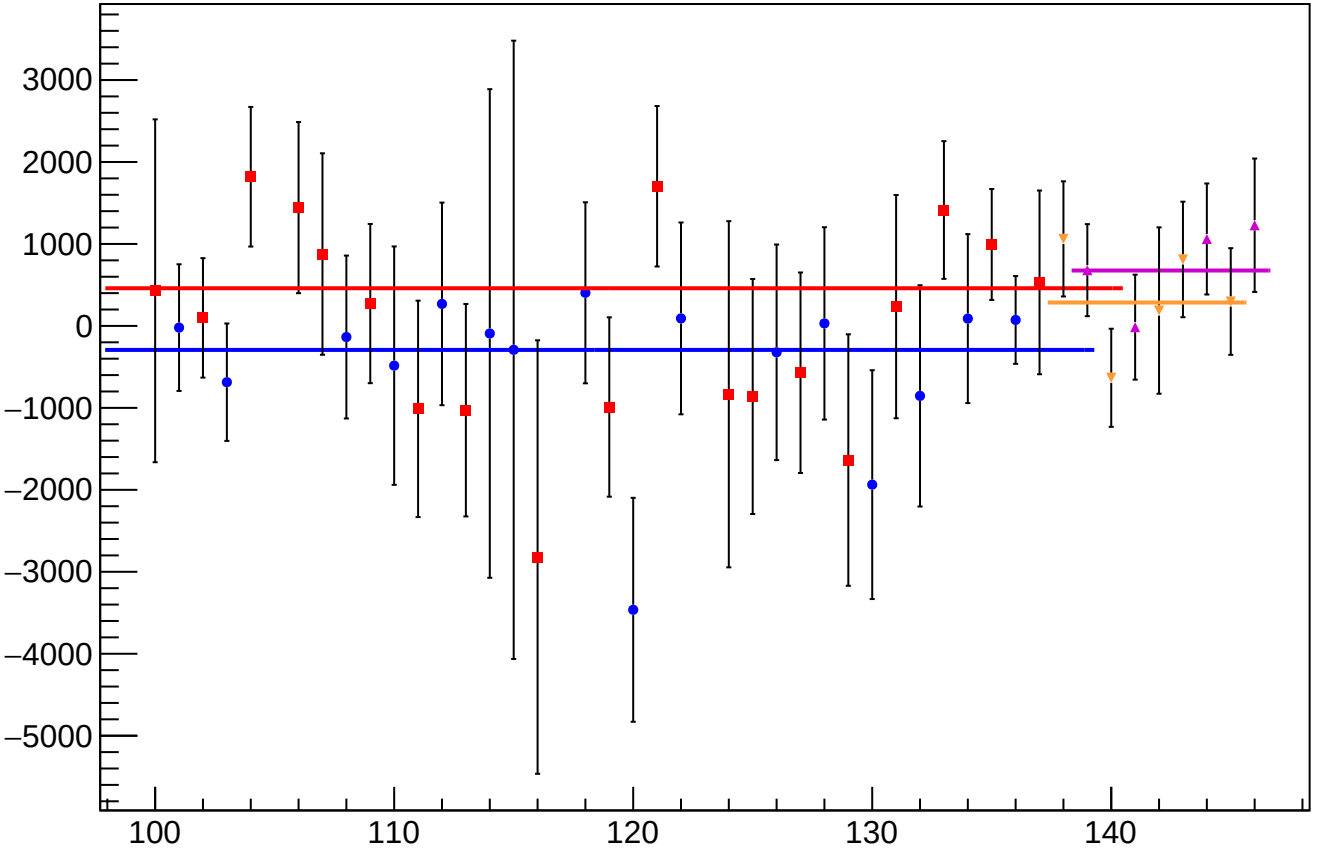
Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

+ sign 91.425+/-0.020 χ^2/NDF: 116554.1/20

All: 91.707+/-0.014 χ^2/NDF: 263076.2/43

- sign 91.992+/-0.020 χ^2/NDF: 146105.1/22

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 285.447+/-313.678 χ^2/NDF:4.1/4

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

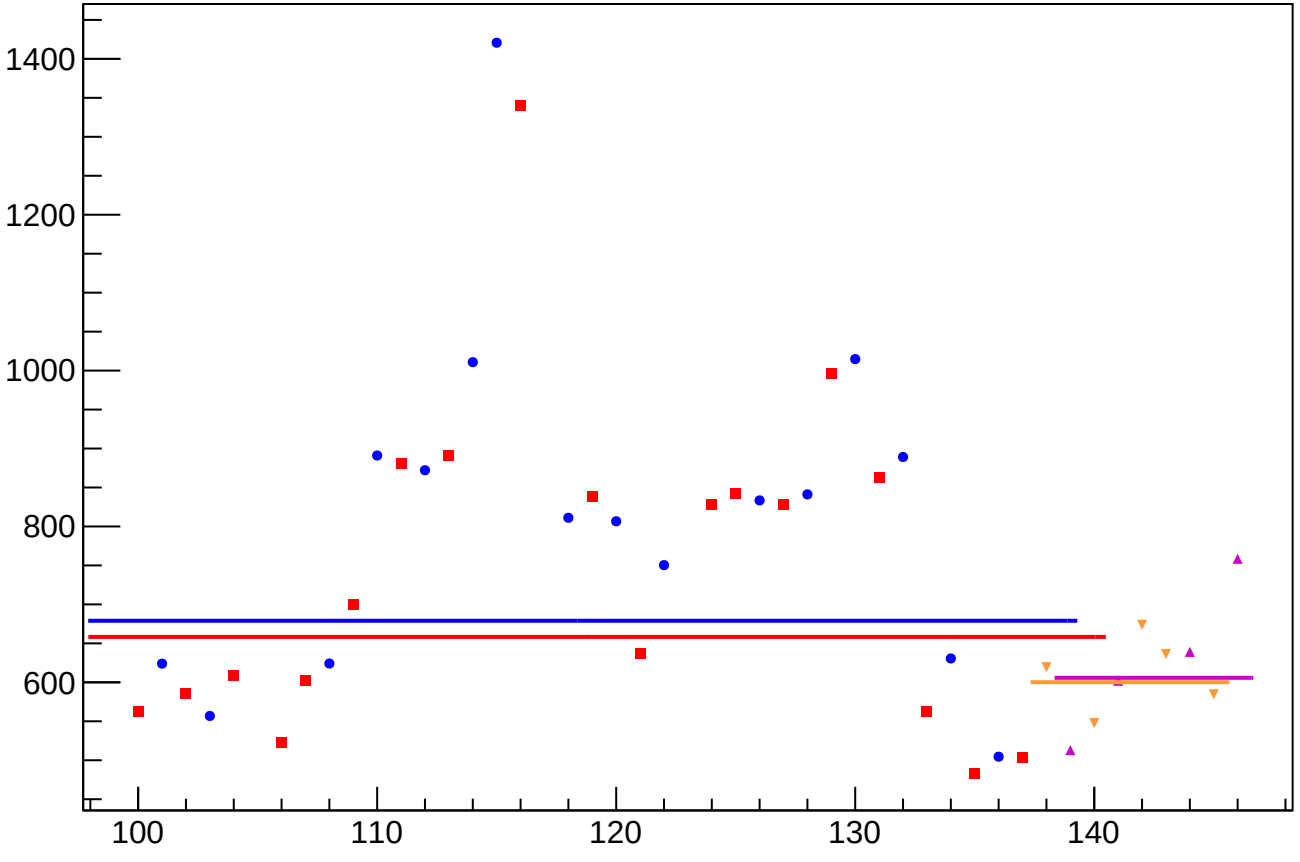
Left In: 676.005+/-327.891 χ^2/NDF:1.9/3

+ sign -57.615+/-200.035 χ^2/NDF: 15.0/20

All: 242.861+/-140.927 χ^2/NDF: 38.7/43

- sign 538.968+/-198.576 χ^2/NDF: 19.3/22

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 600.186+/-0.222 χ^2/NDF:33763.8/4

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

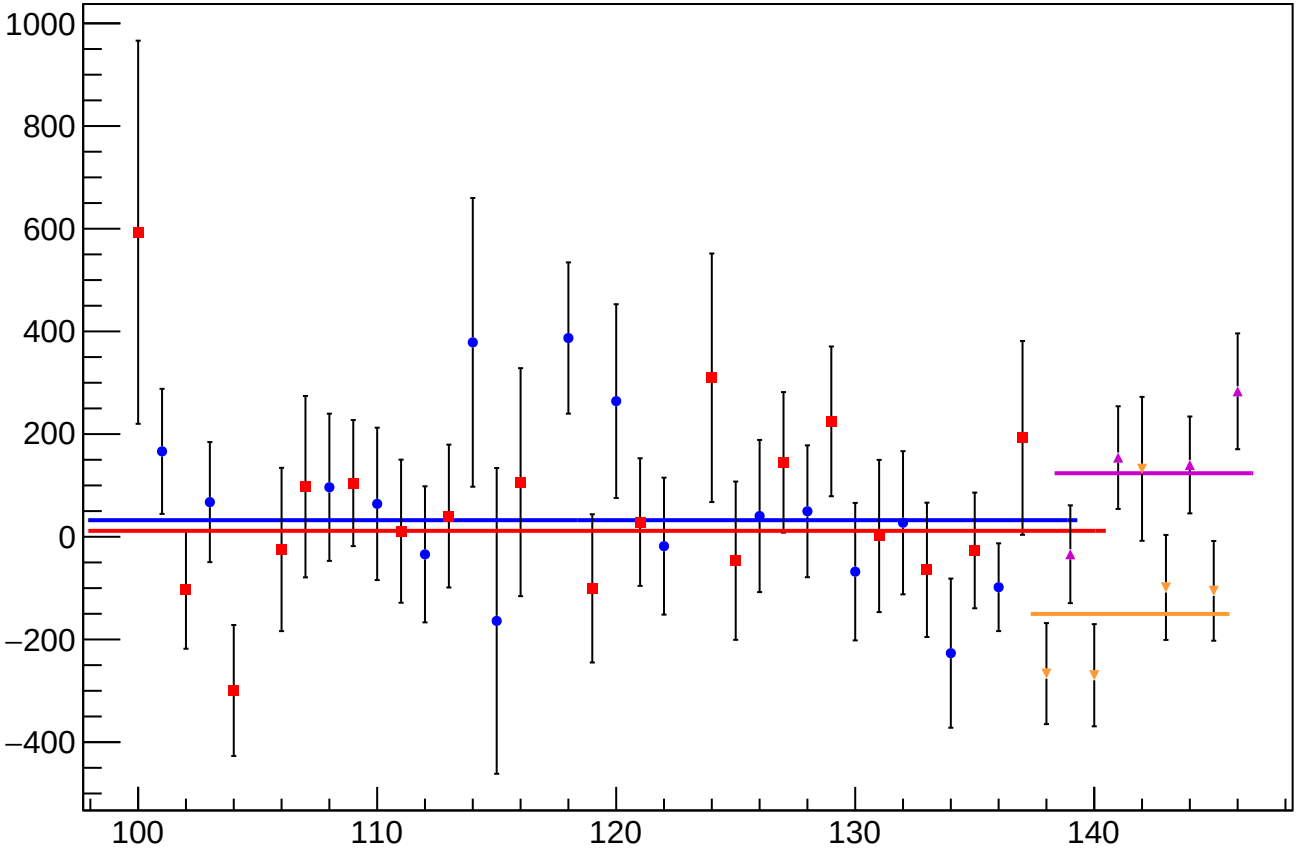
Left In: 605.797+/-0.232 χ^2/NDF:129974.2/3

+ sign 646.950+/-0.141 χ^2/NDF: 876668.6/20

All: 642.956+/-0.100 χ^2/NDF: 1846548.6/43

- sign 639.019+/-0.140 χ^2/NDF: 968296.6/22

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -150.224+/-46.786 χ^2/NDF:7.4/4

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

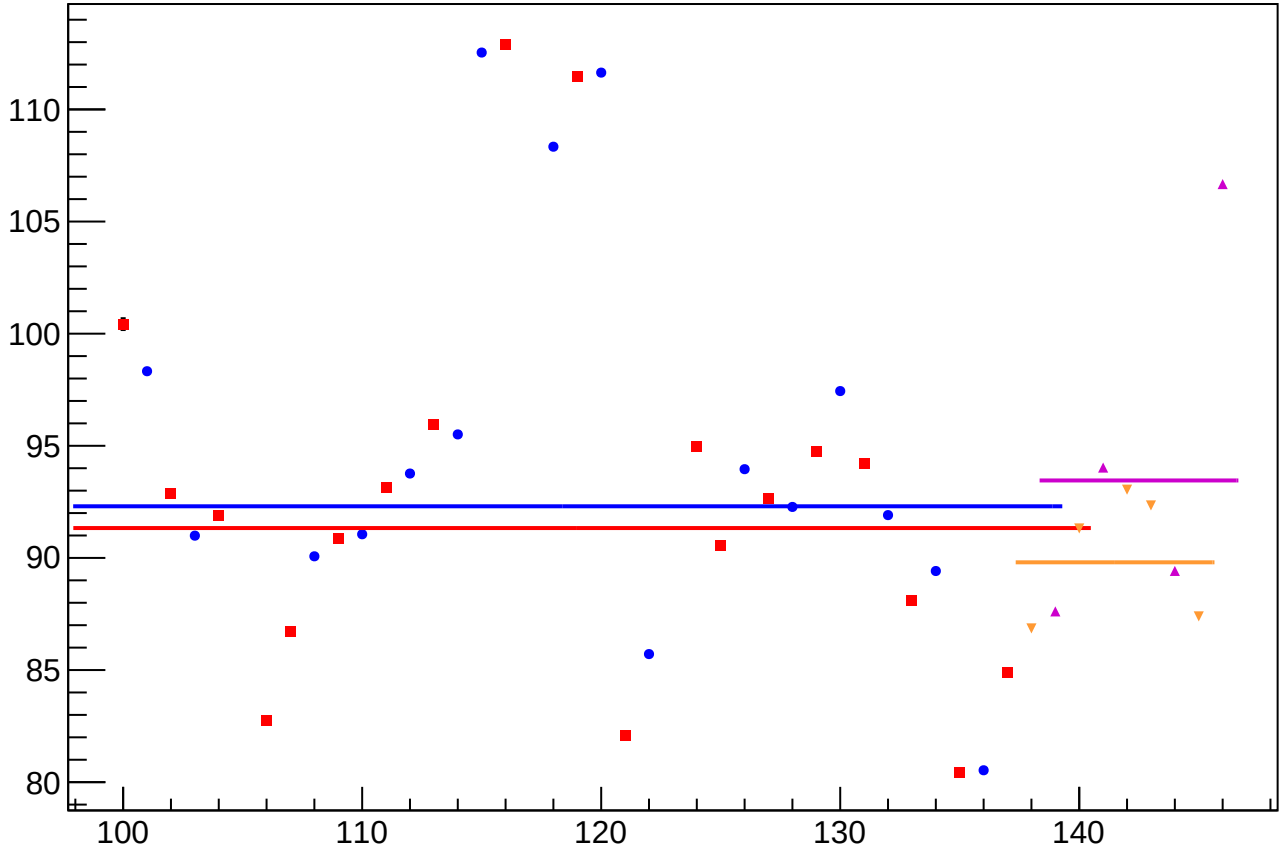
Left In: 123.784+/-49.929 χ^2/NDF:4.9/3

+ sign -31.811+/-27.730 χ^2/NDF: 34.6/20

All: 7.169+/-19.649 χ^2/NDF: 64.1/43

- sign 46.478+/-27.846 χ^2/NDF: 25.5/22

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.804+/-0.033 χ^2/NDF:5787.9/4

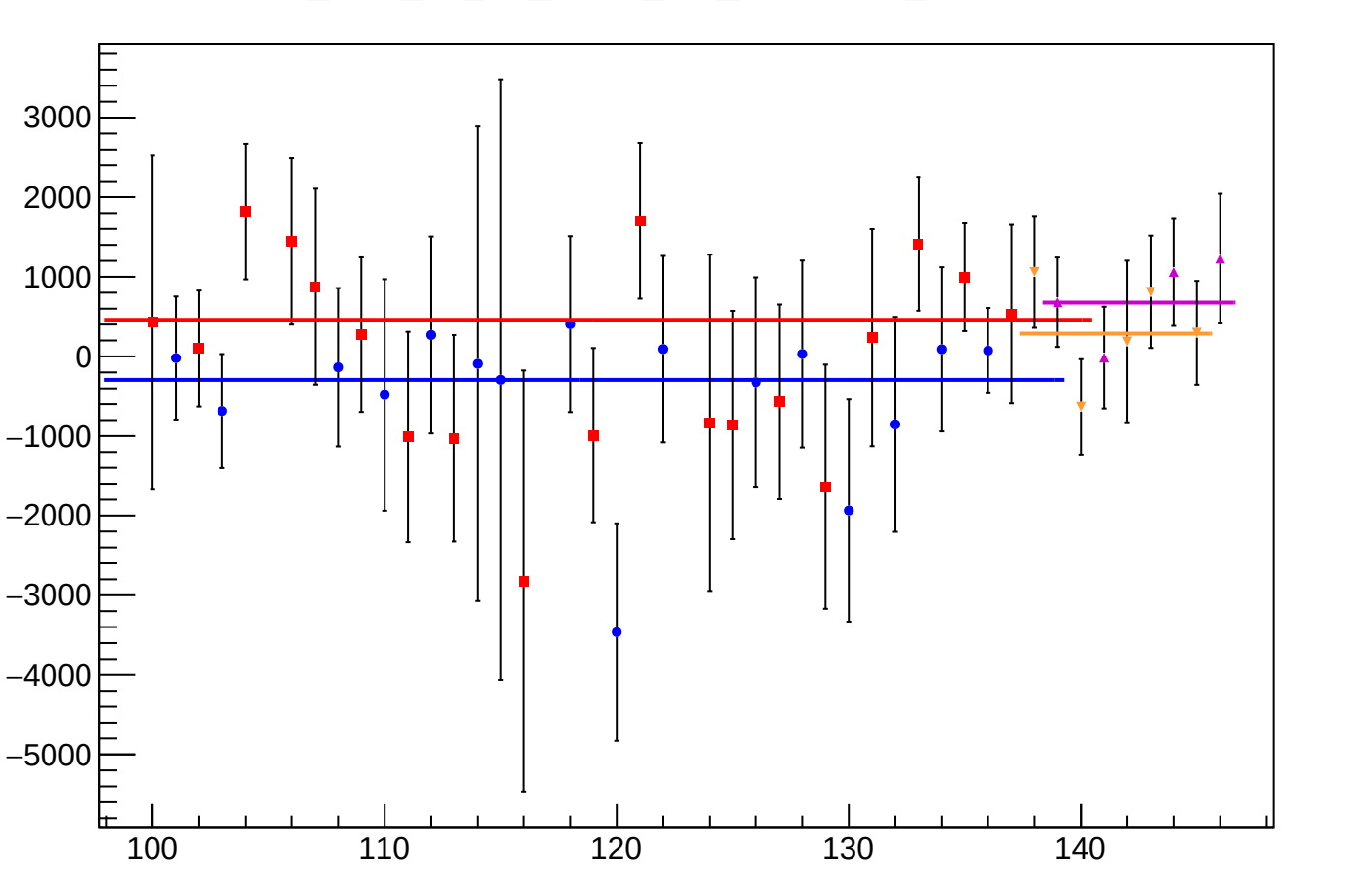
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

+ sign 91.425+/-0.020 χ^2/NDF: 116554.1/20

All: 91.707+/-0.014 χ^2/NDF: 263076.2/43

- sign 91.992+/-0.020 χ^2/NDF: 146105.1/22



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 285.447+/-313.678 χ^2/NDF:4.1/4

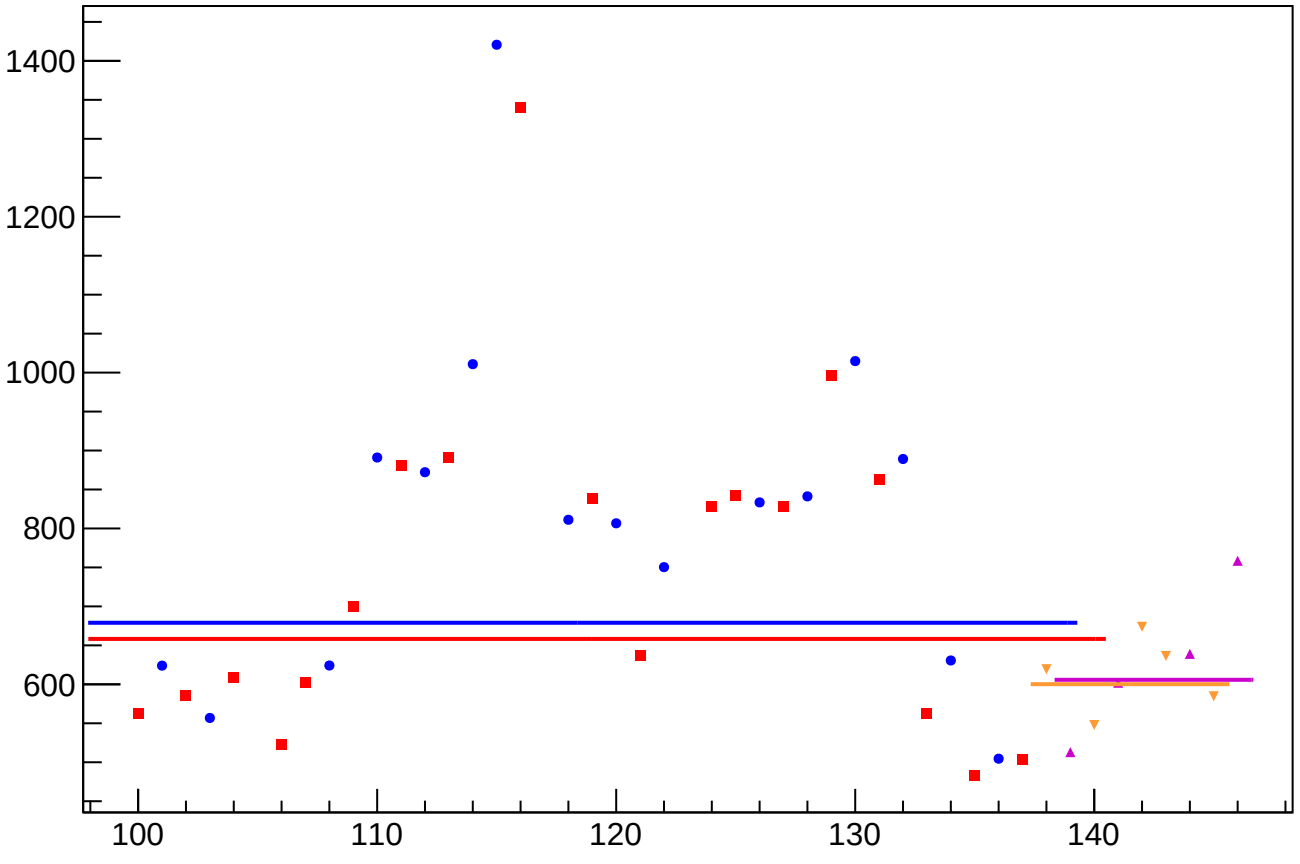
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 676.005+/-327.891 χ^2/NDF:1.9/3

+ sign -57.615+/-200.035 χ^2/NDF: 15.0/20

All: 242.861+/-140.927 χ^2/NDF: 38.7/43

- sign 538.968+/-198.576 χ^2/NDF: 19.3/22



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 600.186+/-0.222 χ^2/NDF:33763.8/4

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

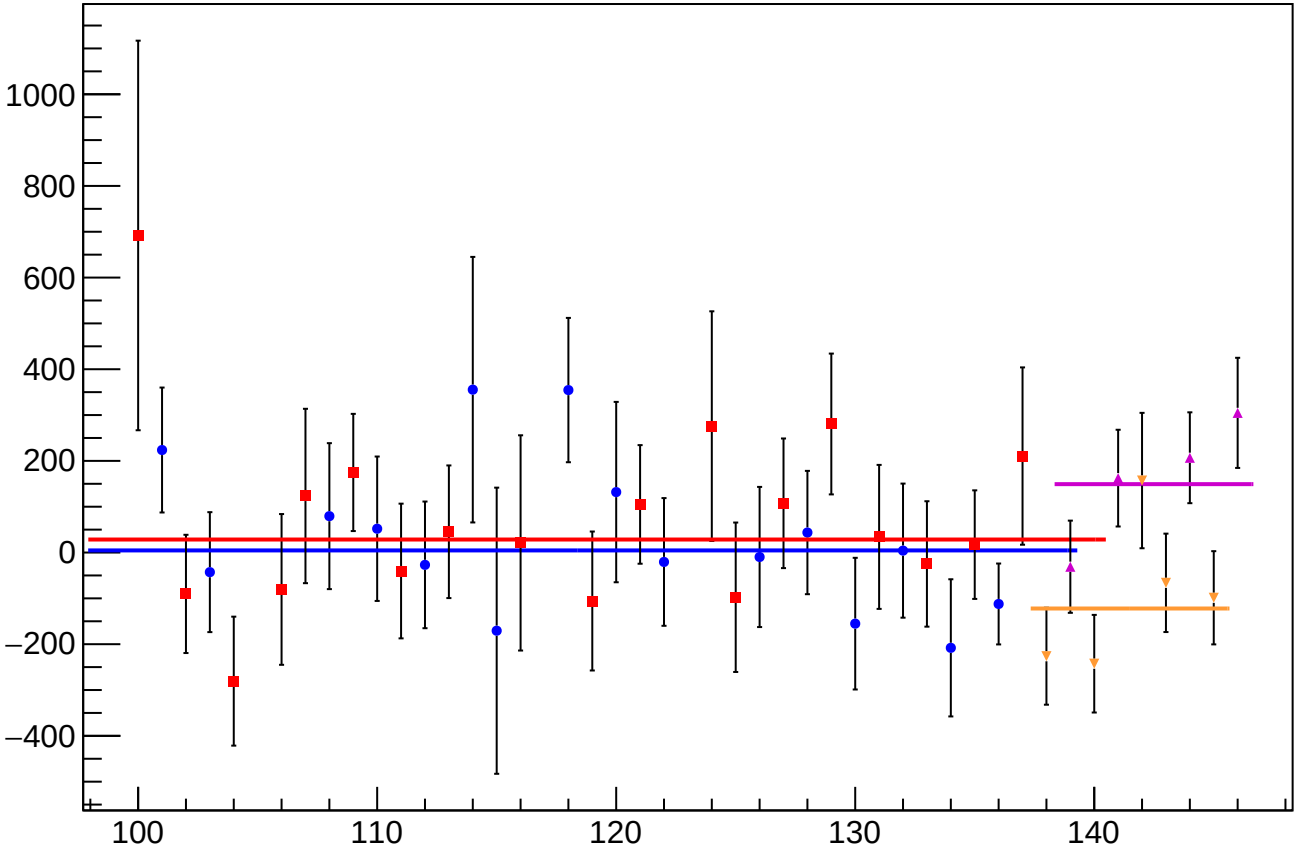
Left In: 605.797+/-0.232 χ^2/NDF:129974.2/3

\+ sign 646.950+/-0.141 χ^2/NDF: 876668.6/20

All: 642.956+/-0.100 χ^2/NDF: 1846548.6/43

\- sign 639.019+/-0.140 χ^2/NDF: 968296.6/22

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -122.134+/-49.586 χ^2/NDF:6.1/4

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

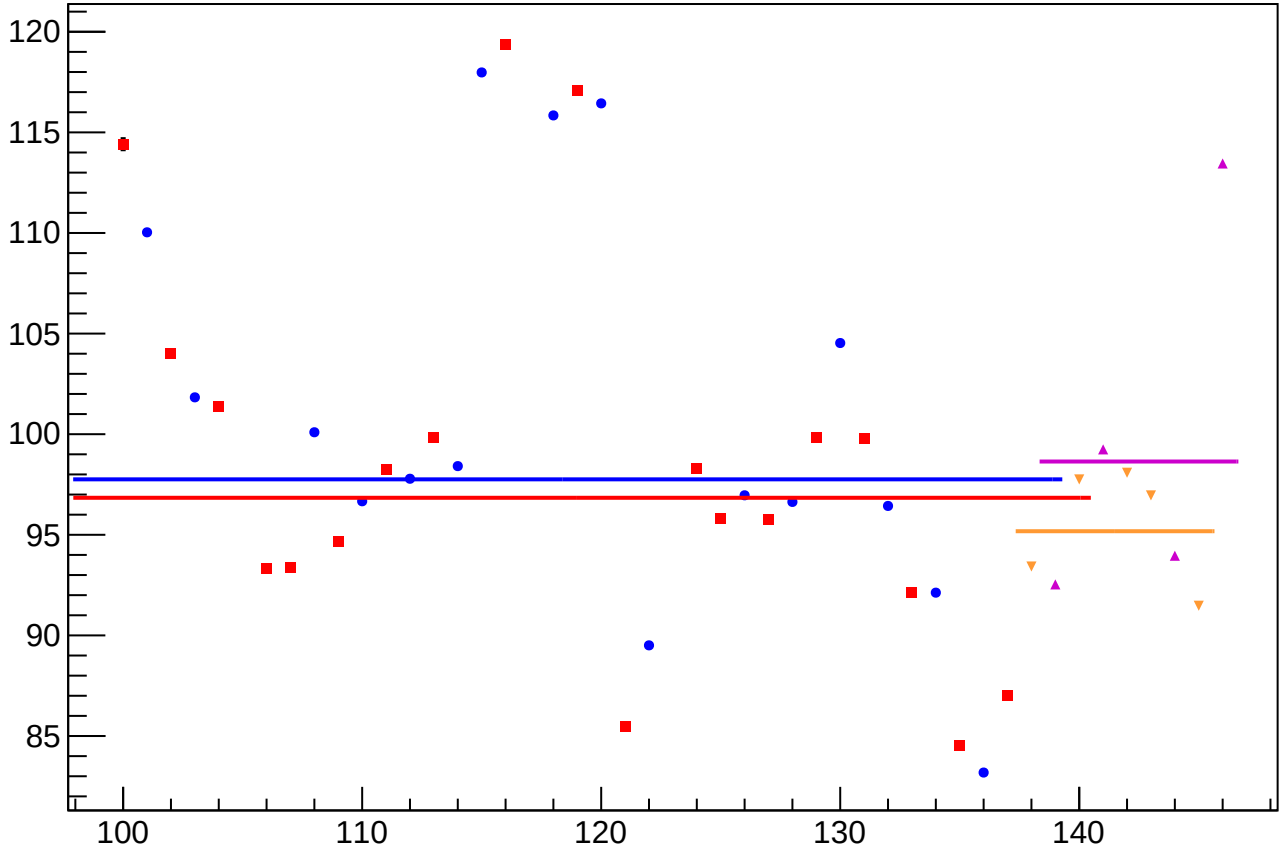
Left In: 149.246+/-52.734 χ^2/NDF:5.2/3

+ sign -39.940+/-29.400 χ^2/NDF: 25.7/20

All: 12.998+/-20.799 χ^2/NDF: 58.2/43

- sign 66.040+/-29.429 χ^2/NDF: 25.9/22

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 95.178+/-0.035 χ^2/NDF:5693.3/4

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

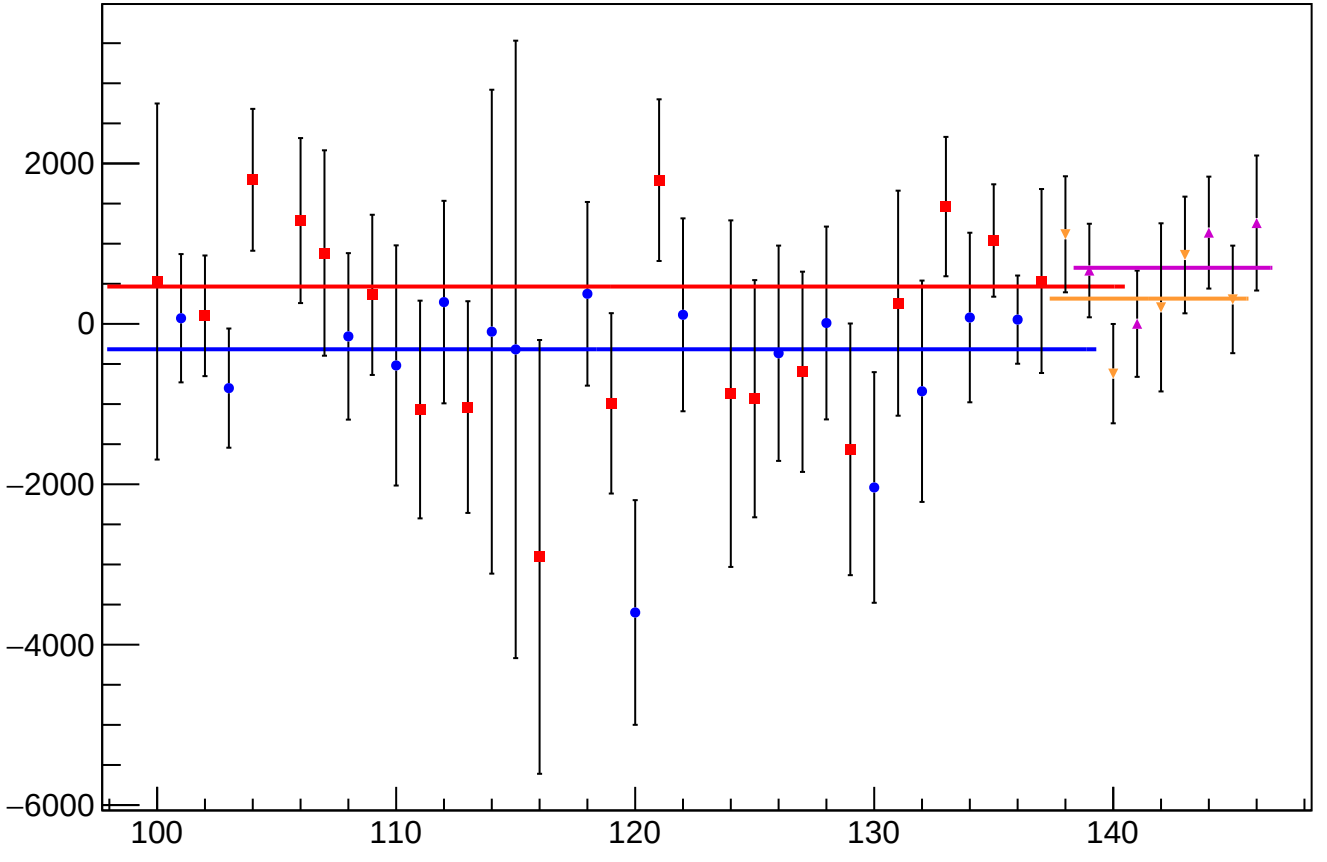
Left In: 98.642+/-0.037 χ^2/NDF:42283.4/3

+ sign 96.850+/-0.021 χ^2/NDF: 149854.4/20

All: 97.125+/-0.015 χ^2/NDF: 309268.4/43

- sign 97.401+/-0.021 χ^2/NDF: 159062.6/22

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 315.045+/-323.751 χ^2/NDF:4.1/4

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

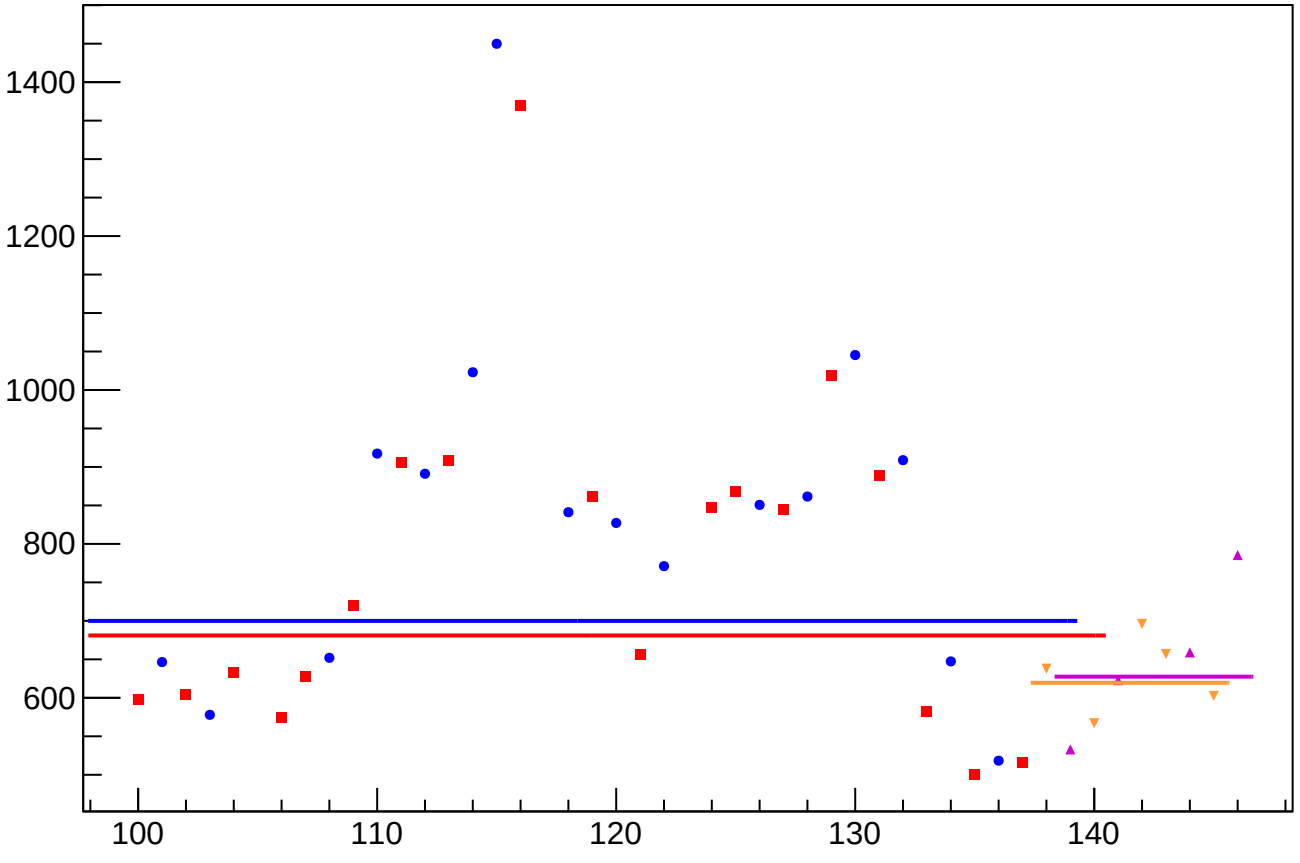
Left In: 699.404+/-339.377 χ^2/NDF:1.9/3

\+ sign -60.298+/-206.222 χ^2/NDF: 15.5/20

All: 247.433+/-145.281 χ^2/NDF: 38.6/43

\- sign 550.647+/-204.703 χ^2/NDF: 18.7/22

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 619.551+/-0.229 χ^2/NDF:32927.7/4

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

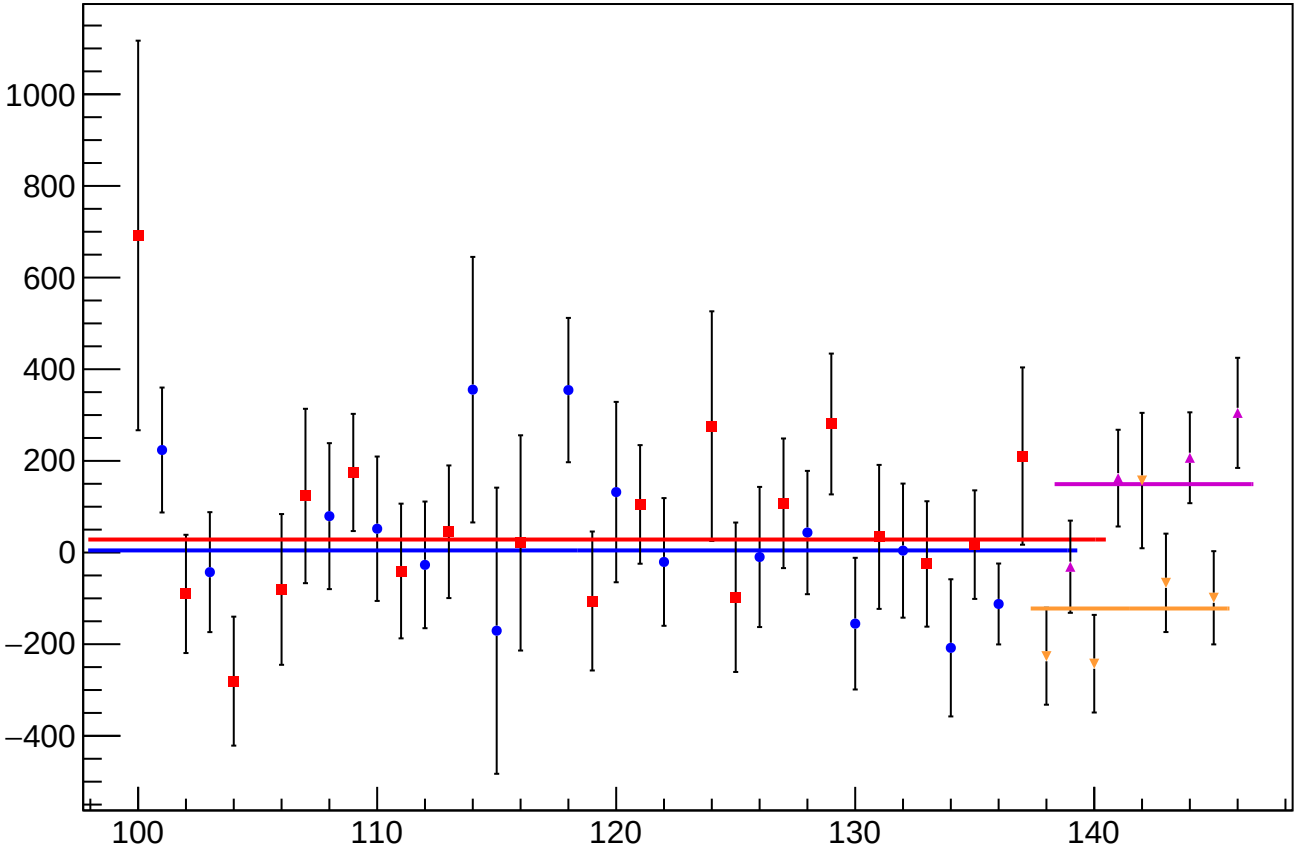
Left In: 627.484+/-0.240 χ^2/NDF:127207.4/3

+ sign 667.342+/-0.146 χ^2/NDF: 859932.3/20

All: 664.420+/-0.103 χ^2/NDF: 1788992.6/43

- sign 661.540+/-0.145 χ^2/NDF: 928262.9/22

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -122.135+/-49.586 χ^2/NDF:6.1/4

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

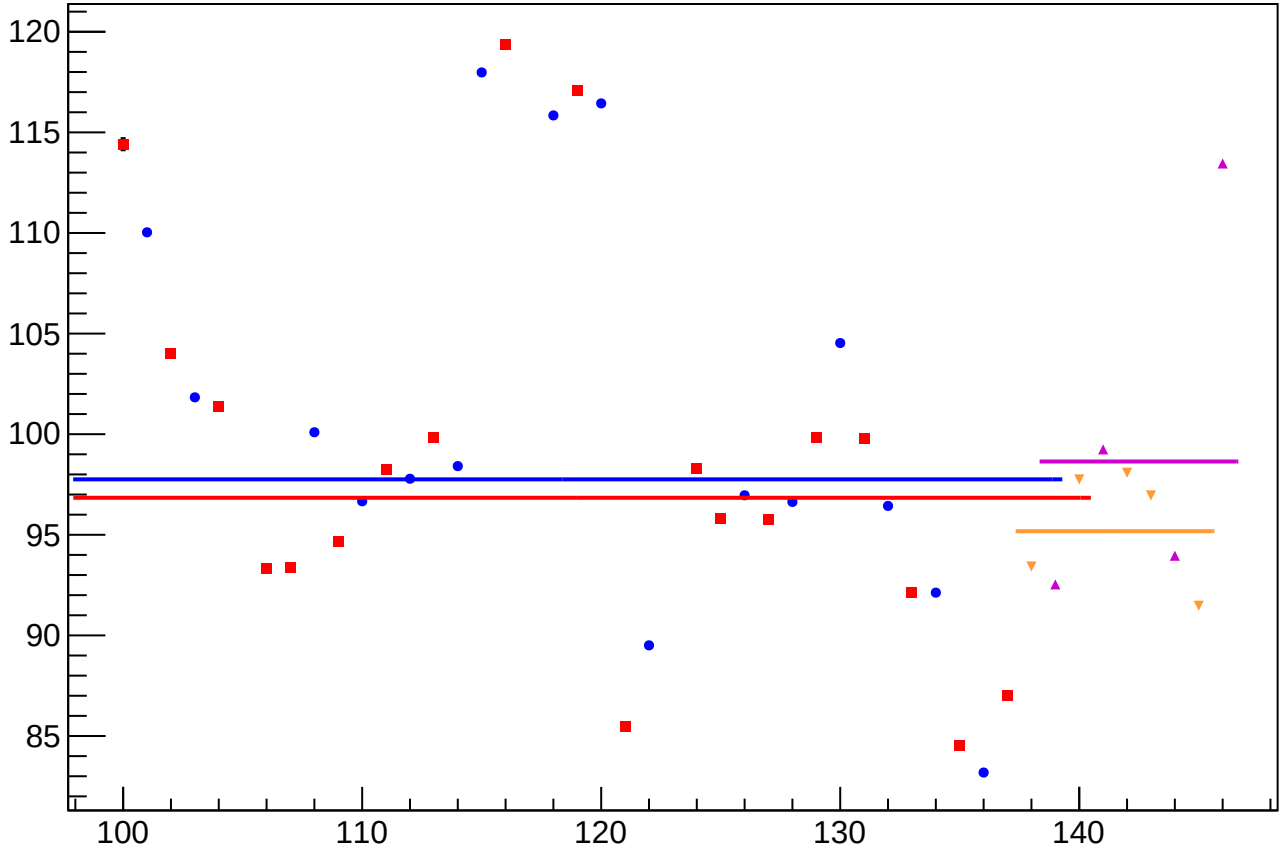
Left In: 149.247+/-52.735 χ^2/NDF:5.2/3

+ sign -39.939+/-29.400 χ^2/NDF: 25.7/20

All: 12.998+/-20.799 χ^2/NDF: 58.2/43

- sign 66.040+/-29.429 χ^2/NDF: 25.9/22

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 95.178+/-0.035 χ^2/NDF:5693.2/4

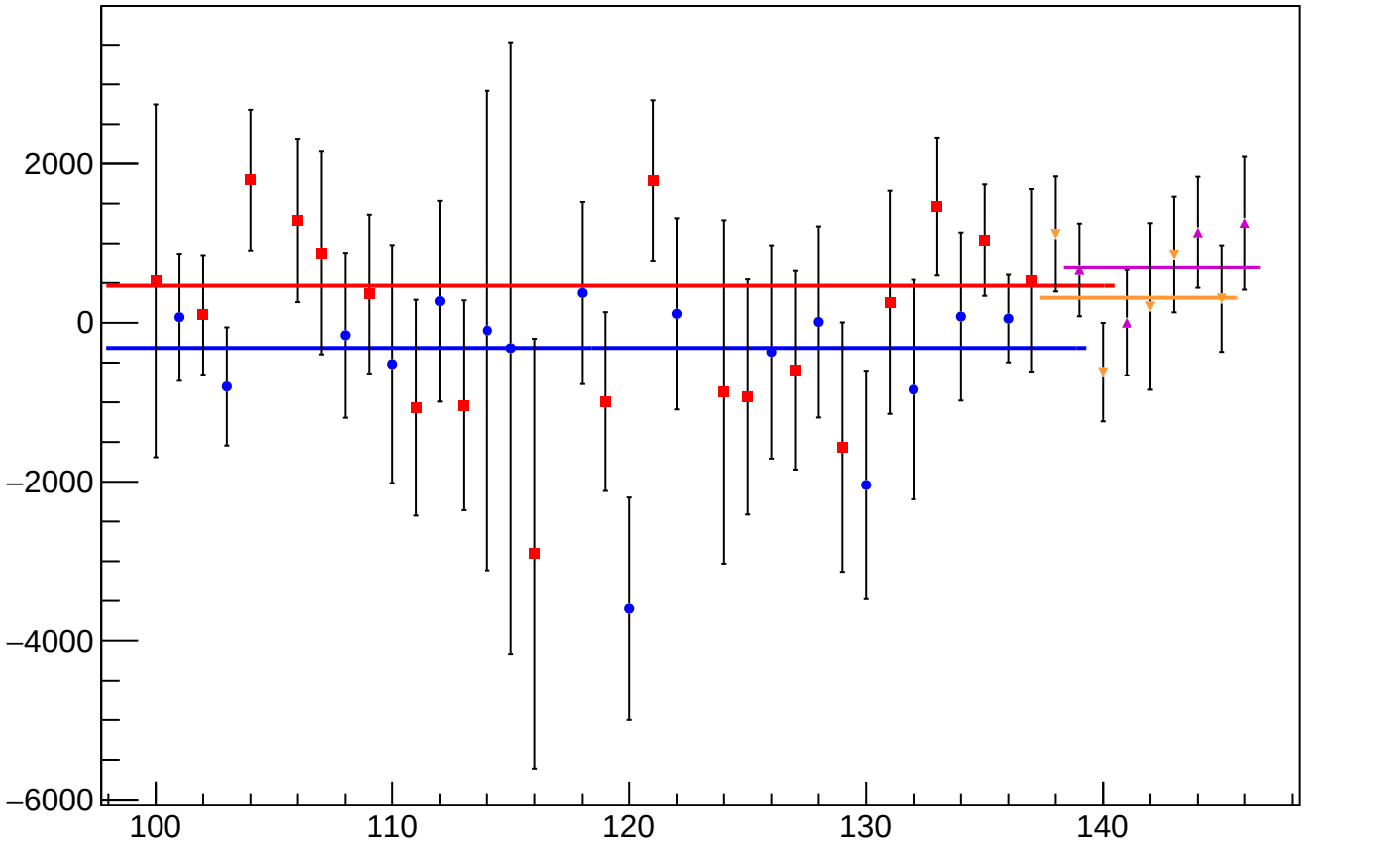
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 98.642+/-0.037 χ^2/NDF:42283.9/3

+ sign 96.849+/-0.021 χ^2/NDF: 149853.6/20

All: 97.125+/-0.015 χ^2/NDF: 309271.2/43

- sign 97.401+/-0.021 χ^2/NDF: 159066.2/22



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 315.044+/-323.751 χ^2/NDF:4.1/4

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

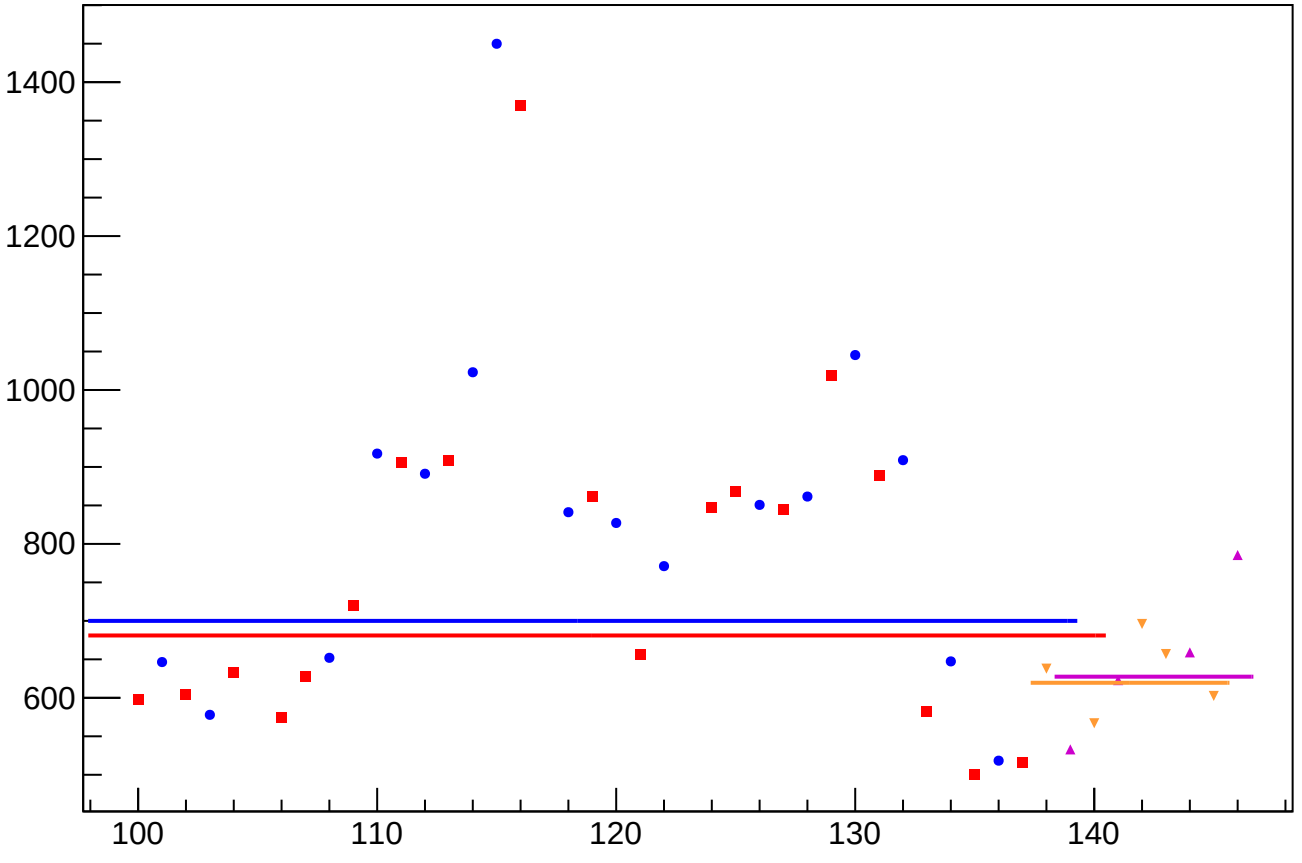
Left In: 699.405+/-339.377 χ^2/NDF:1.9/3

+ sign -60.299+/-206.222 χ^2/NDF: 15.5/20

All: 247.433+/-145.281 χ^2/NDF: 38.6/43

- sign 550.647+/-204.703 χ^2/NDF: 18.7/22

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 619.551+/-0.229 χ^2/NDF:32926.9/4

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

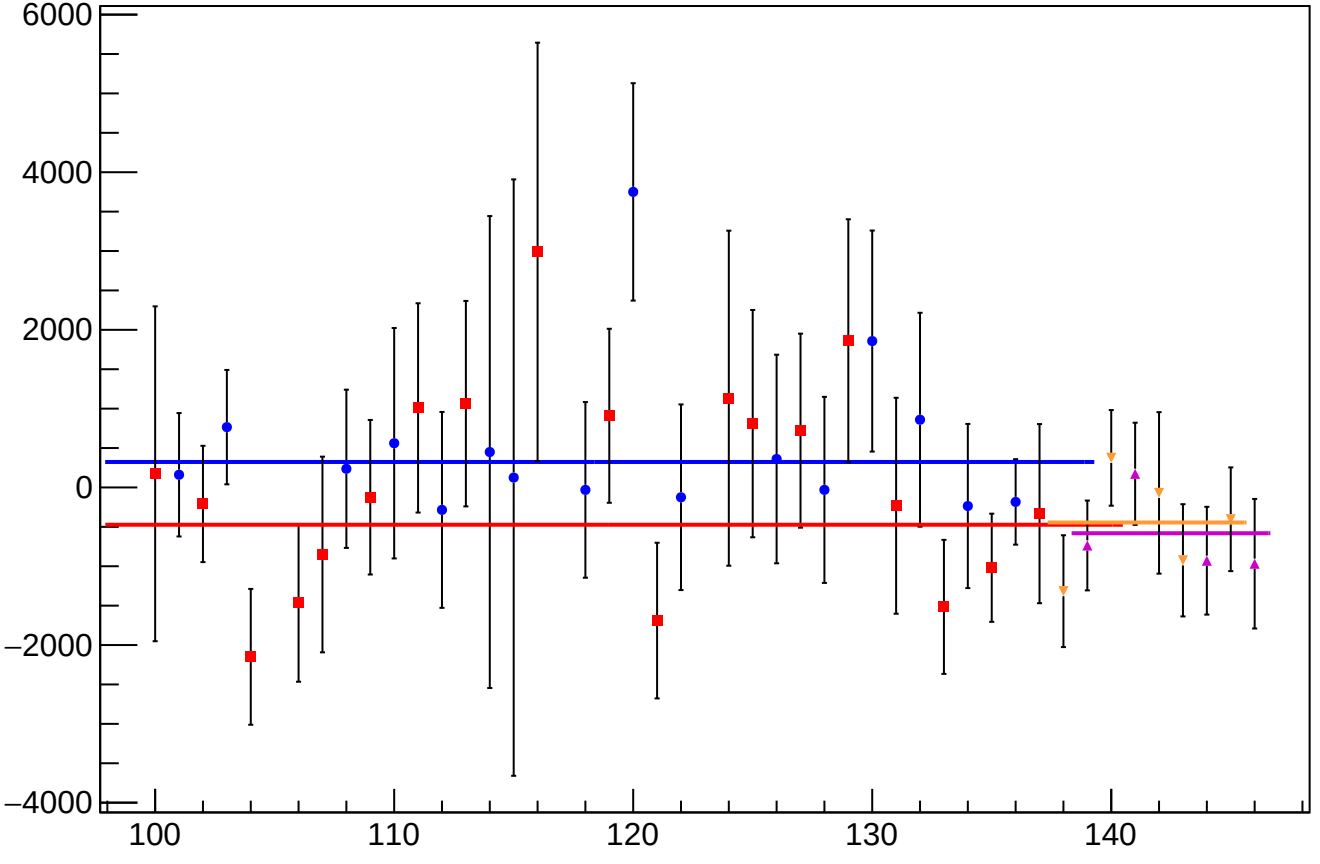
Left In: 627.485+/-0.240 χ^2/NDF:127207.2/3

+ sign 667.342+/-0.146 χ^2/NDF: 859930.4/20

All: 664.419+/-0.103 χ^2/NDF: 1788990.7/43

- sign 661.540+/-0.145 χ^2/NDF: 928262.8/22

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -444.699+/-317.265 χ^2/NDF:3.9/4

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

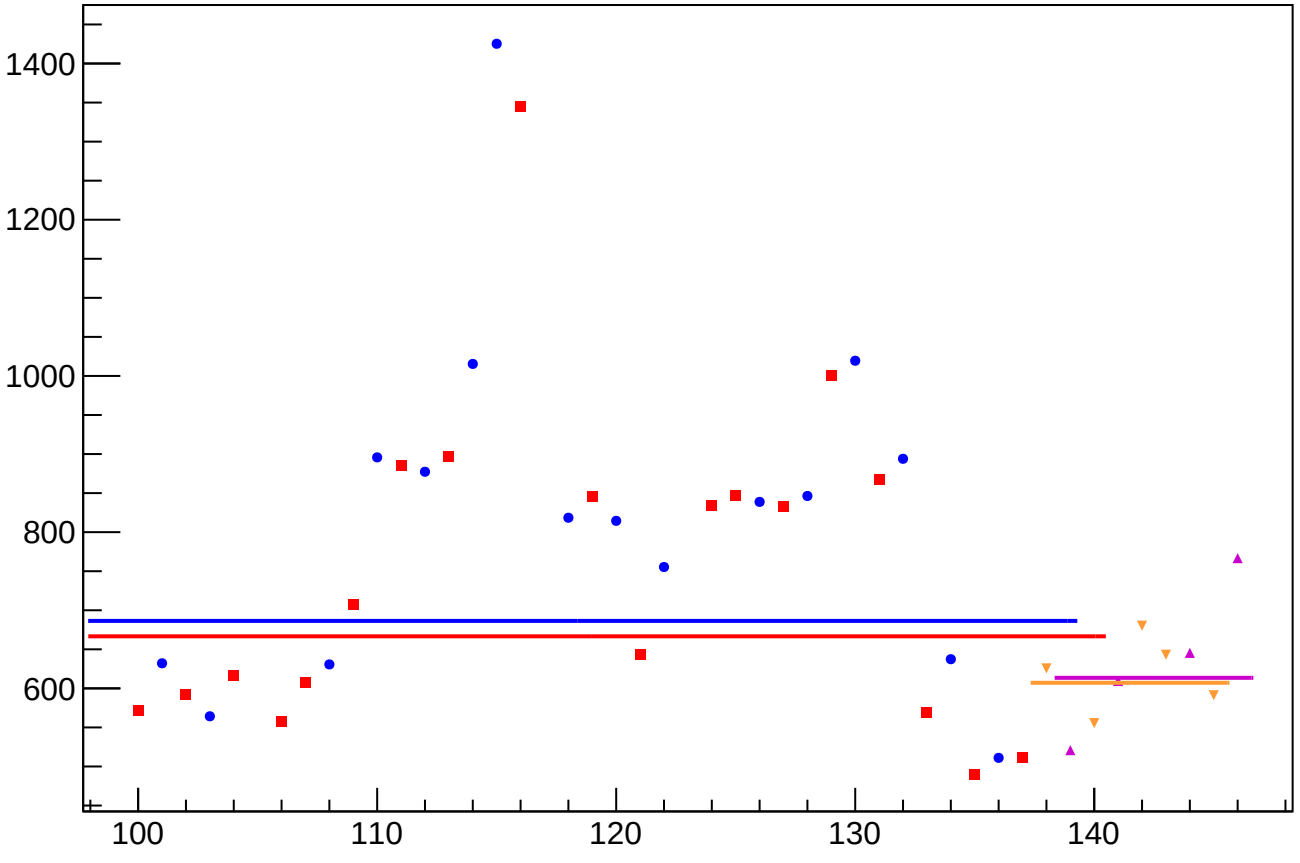
Left In: -581.152+/-331.921 χ^2/NDF:1.9/3

+ sign 11.380+/-202.172 χ^2/NDF: 17.1/20

All: -252.936+/-142.316 χ^2/NDF: 41.9/43

- sign -512.561+/-200.370 χ^2/NDF: 21.4/22

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 607.154+/-0.224 χ^2/NDF:32272.4/4

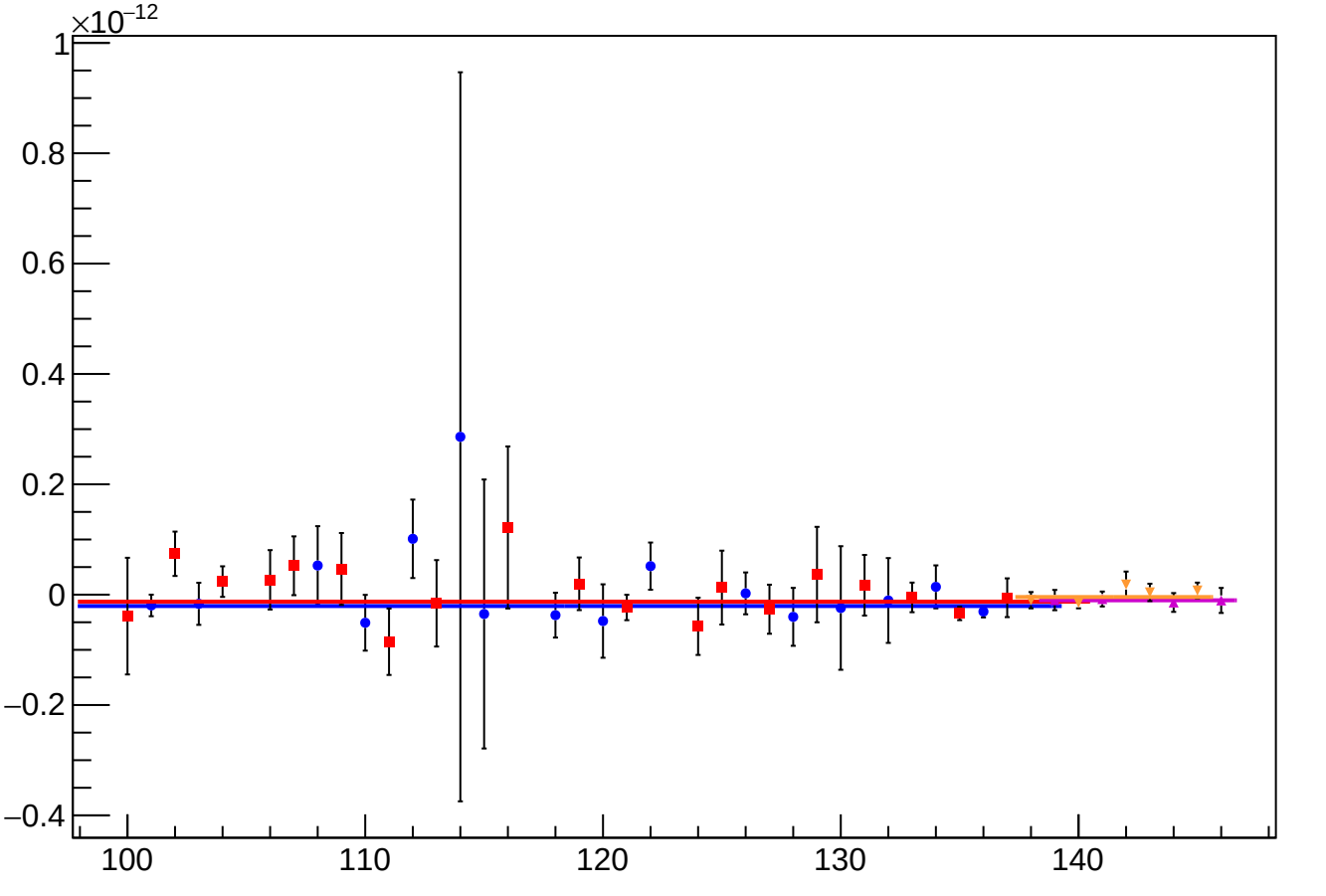
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 613.522+/-0.235 χ^2/NDF:126724.8/3

+ sign 654.217+/-0.143 χ^2/NDF: 855827.5/20

All: 650.717+/-0.101 χ^2/NDF: 1793322.2/43

- sign 647.280+/-0.142 χ^2/NDF: 936306.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/4

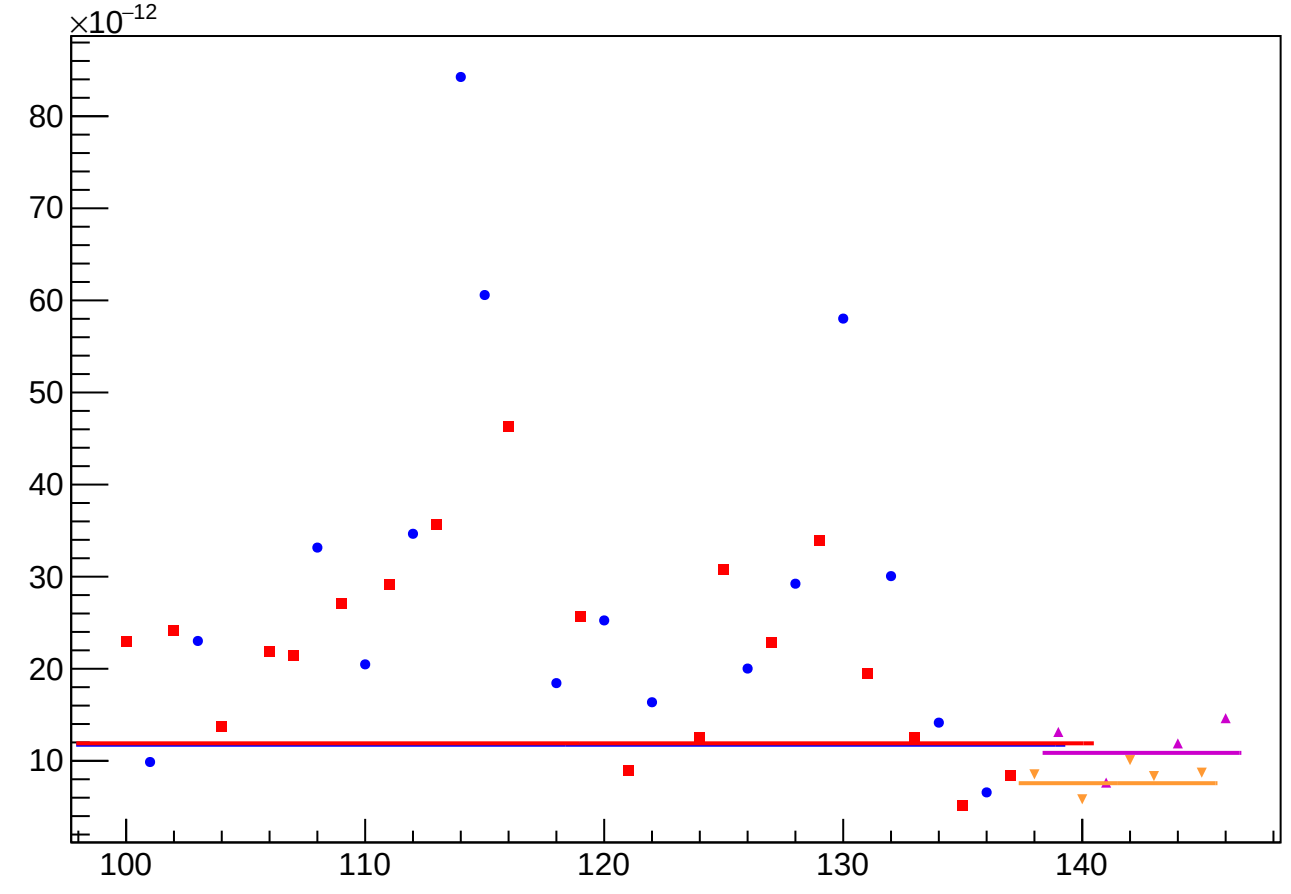
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 15.8/20

All: -0.000+/-0.000 χ^2/NDF: 33.0/43

- sign -0.000+/-0.000 χ^2/NDF: 17.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:110169.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

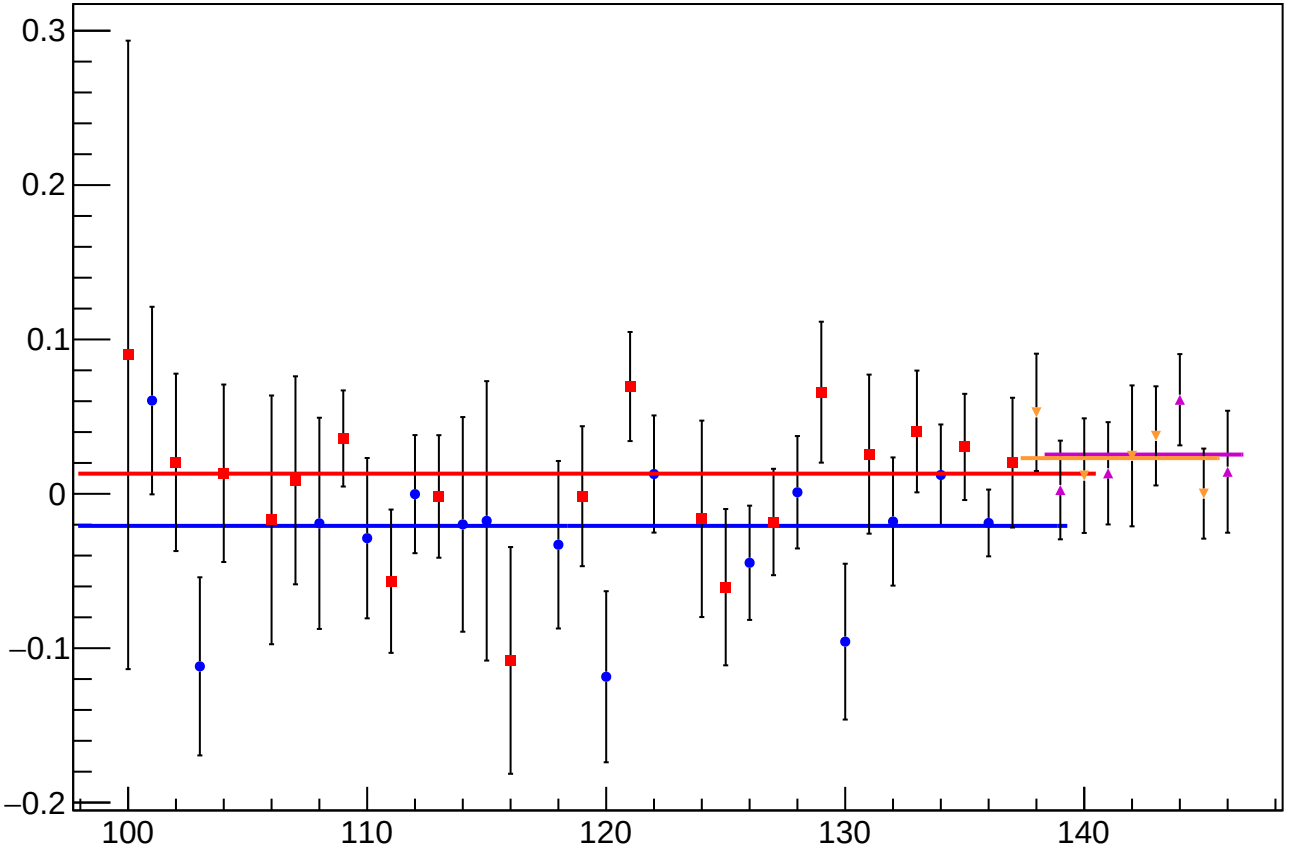
Left In: 0.000+/-0.000 χ^2/NDF:206488.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 2618220.3/20

All: 0.000+/-0.000 χ^2/NDF: 5214521.8/43

- sign 0.000+/-0.000 χ^2/NDF: 2424975.2/22

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: 0.023+/-0.016 χ^2/NDF:1.5/4

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

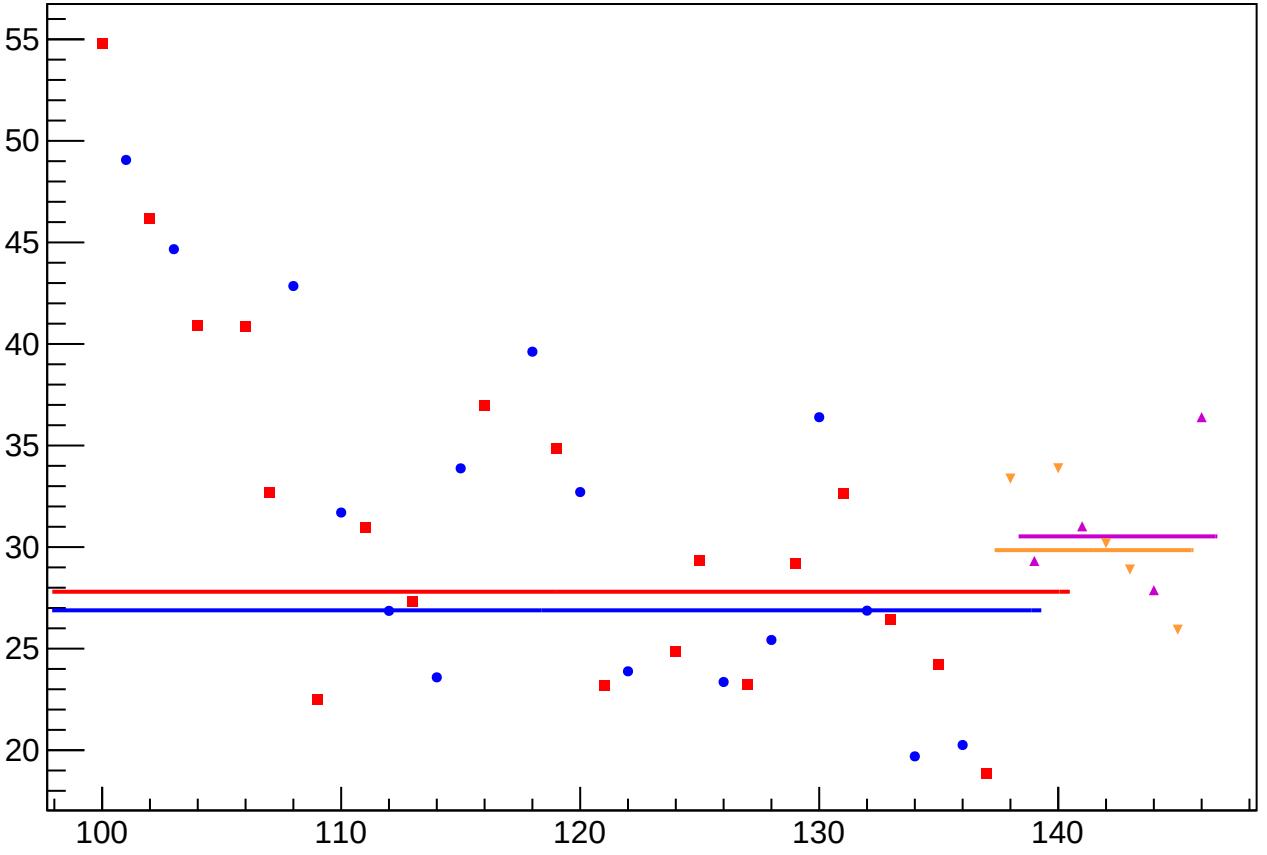
Left In: 0.025+/-0.016 χ^2/NDF:2.2/3

\+ sign -0.007+/-0.009 χ^2/NDF: 19.4/20

All: 0.005+/-0.006 χ^2/NDF: 39.6/43

\- sign 0.017+/-0.009 χ^2/NDF: 16.5/22

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: 29.849+/-0.011 χ^2/NDF:78702.3/4

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

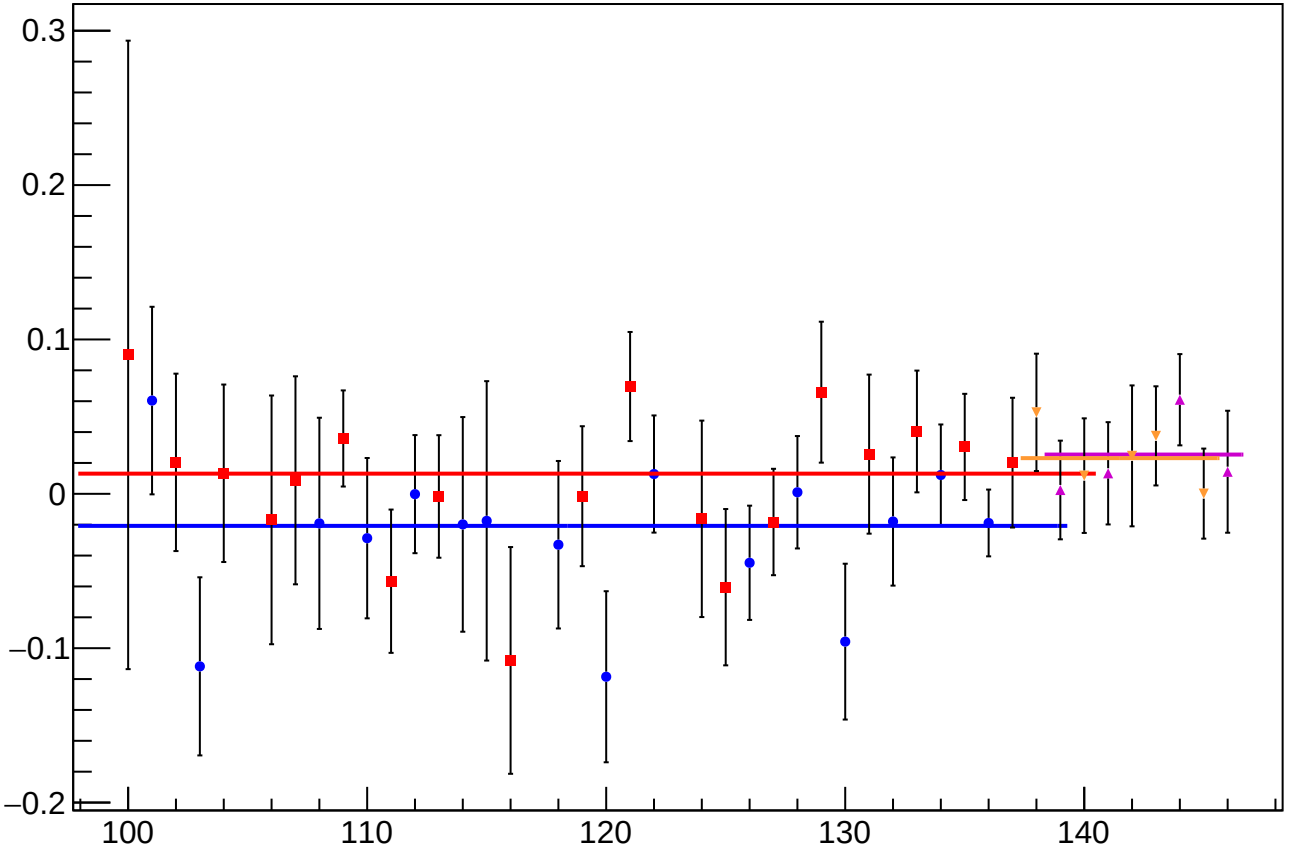
Left In: 30.526+/-0.012 χ^2/NDF:63514.1/3

+ sign 27.801+/-0.006 χ^2/NDF: 1248336.9/20

All: 28.190+/-0.004 χ^2/NDF: 2121762.8/43

- sign 28.592+/-0.006 χ^2/NDF: 865363.0/22

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.016 χ^2/NDF:1.5/4

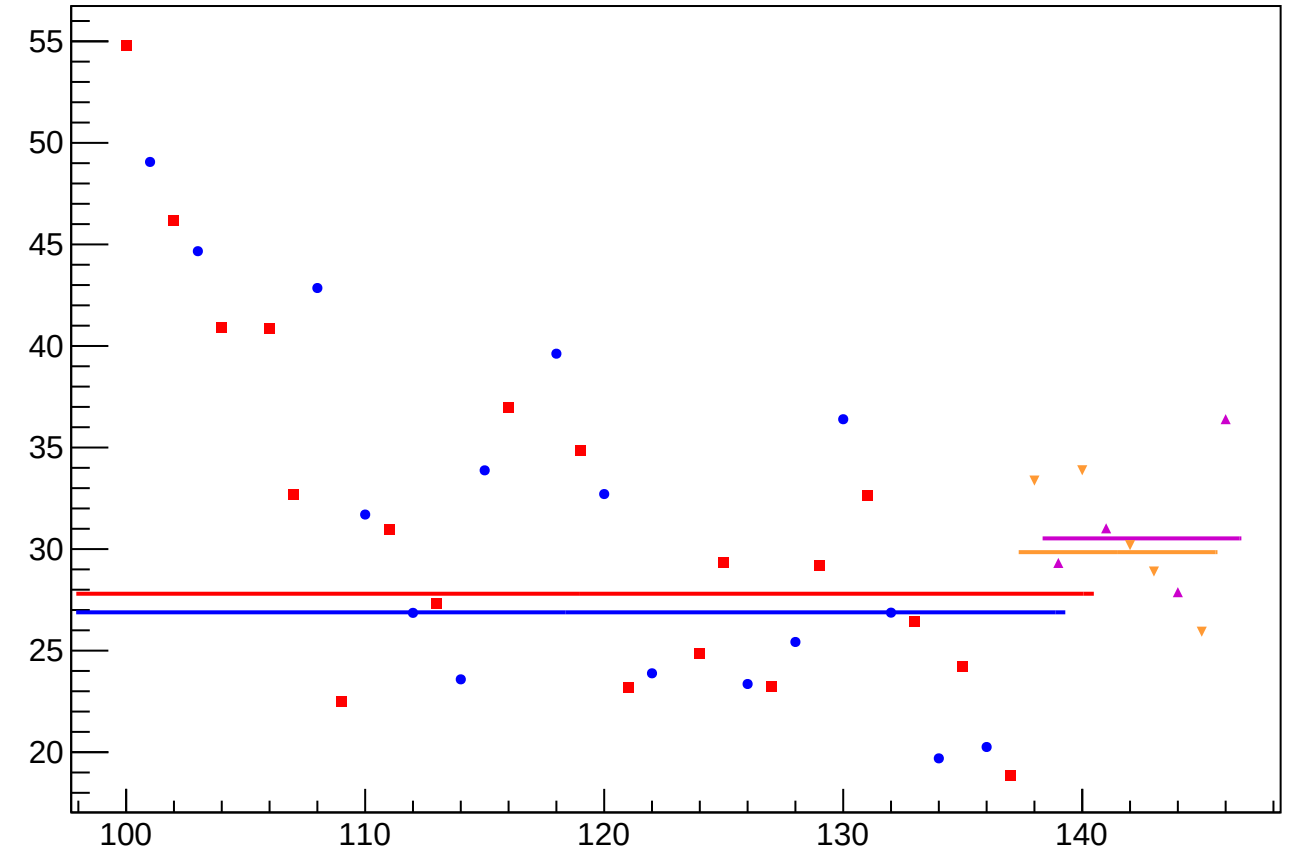
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.016 χ^2/NDF:2.2/3

\+ sign -0.007+/-0.009 χ^2/NDF: 19.4/20

All: 0.005+/-0.006 χ^2/NDF: 39.6/43

\- sign 0.017+/-0.009 χ^2/NDF: 16.5/22



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78702.3/4

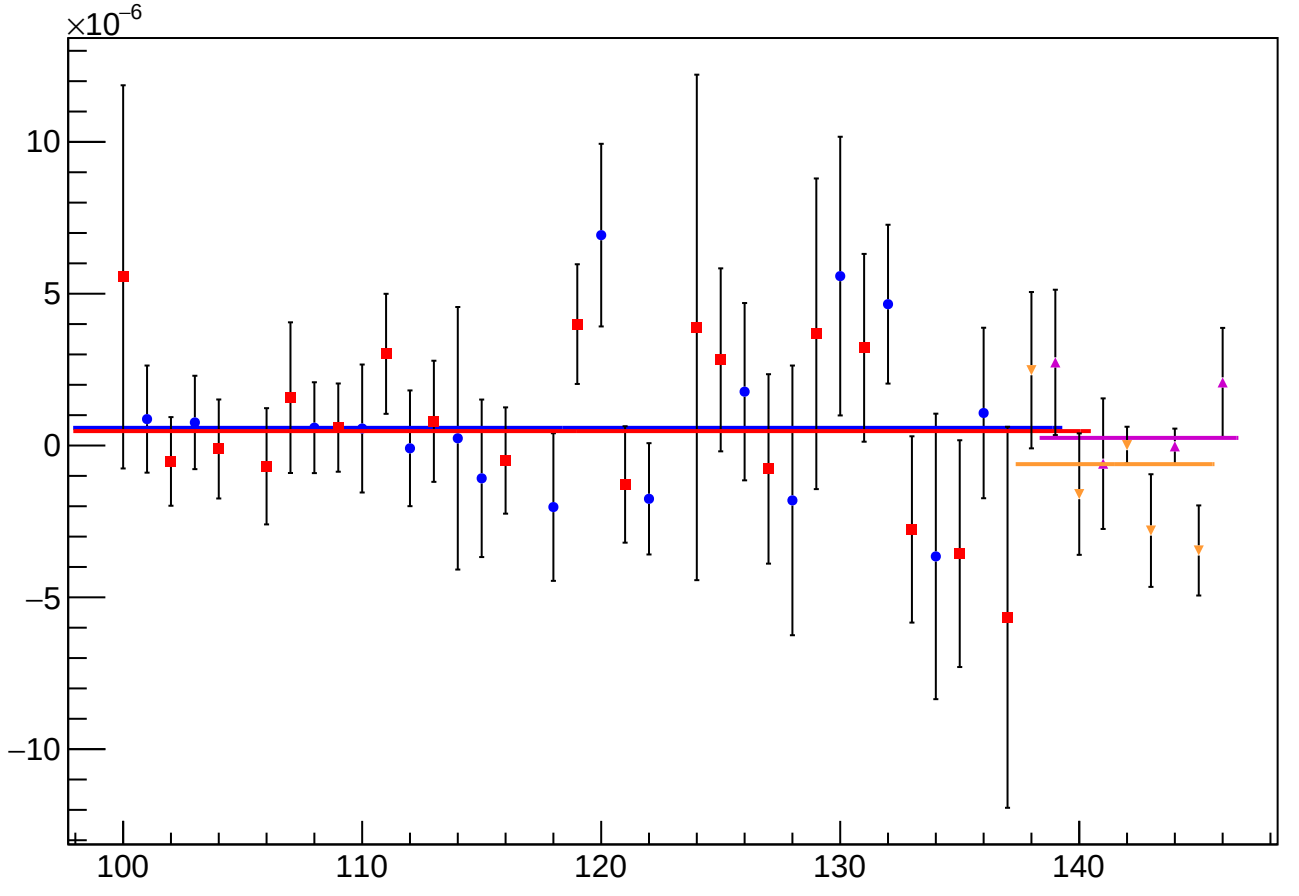
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.526+/-0.012 χ^2/NDF:63514.1/3

+ sign 27.801+/-0.006 χ^2/NDF: 1248336.9/20

All: 28.190+/-0.004 χ^2/NDF: 2121762.8/43

- sign 28.592+/-0.006 χ^2/NDF: 865363.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/4

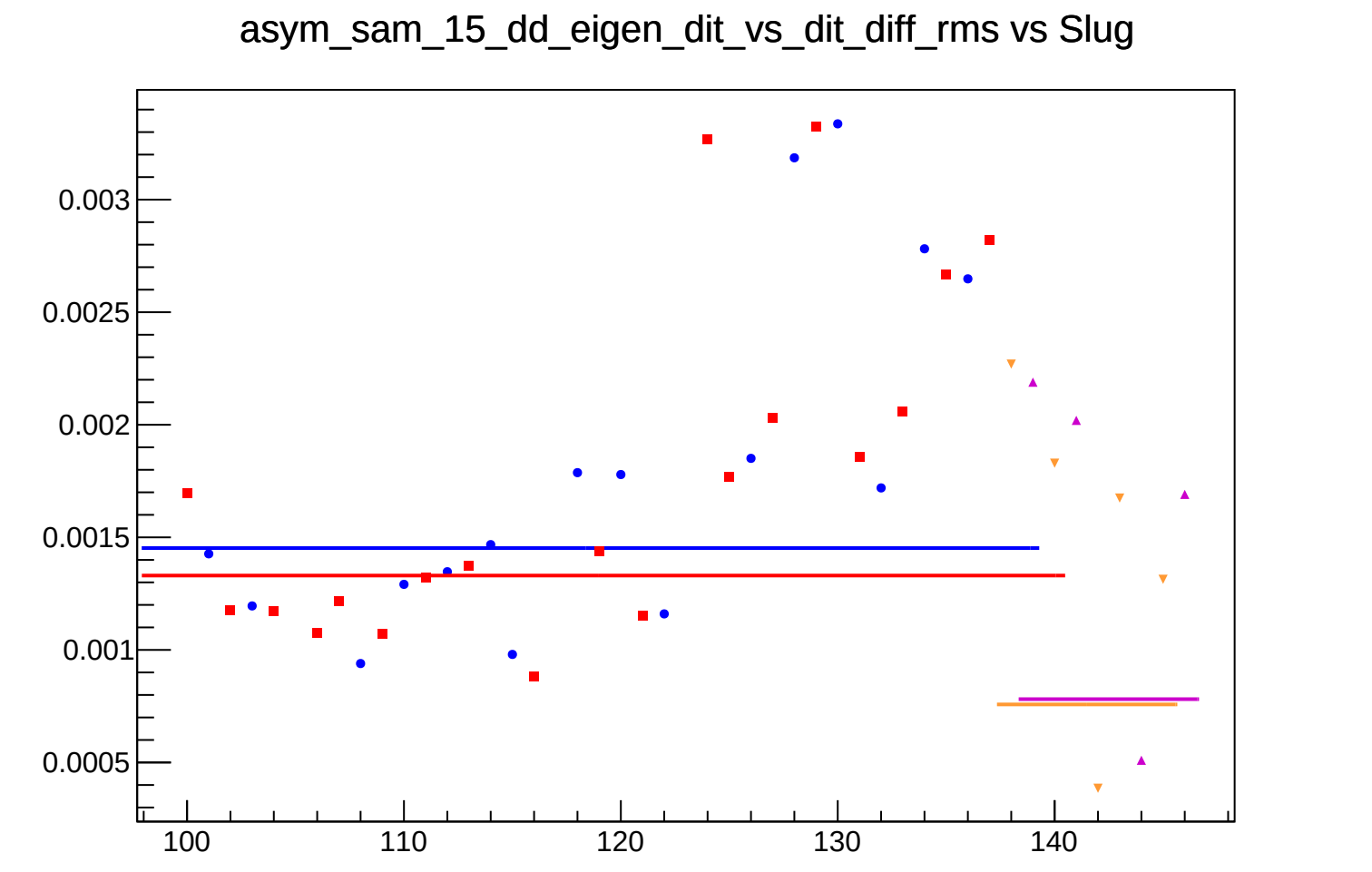
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.0/20

All: 0.000+/-0.000 χ^2/NDF: 39.5/43

- sign 0.000+/-0.000 χ^2/NDF: 15.8/22



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2788147.8/4

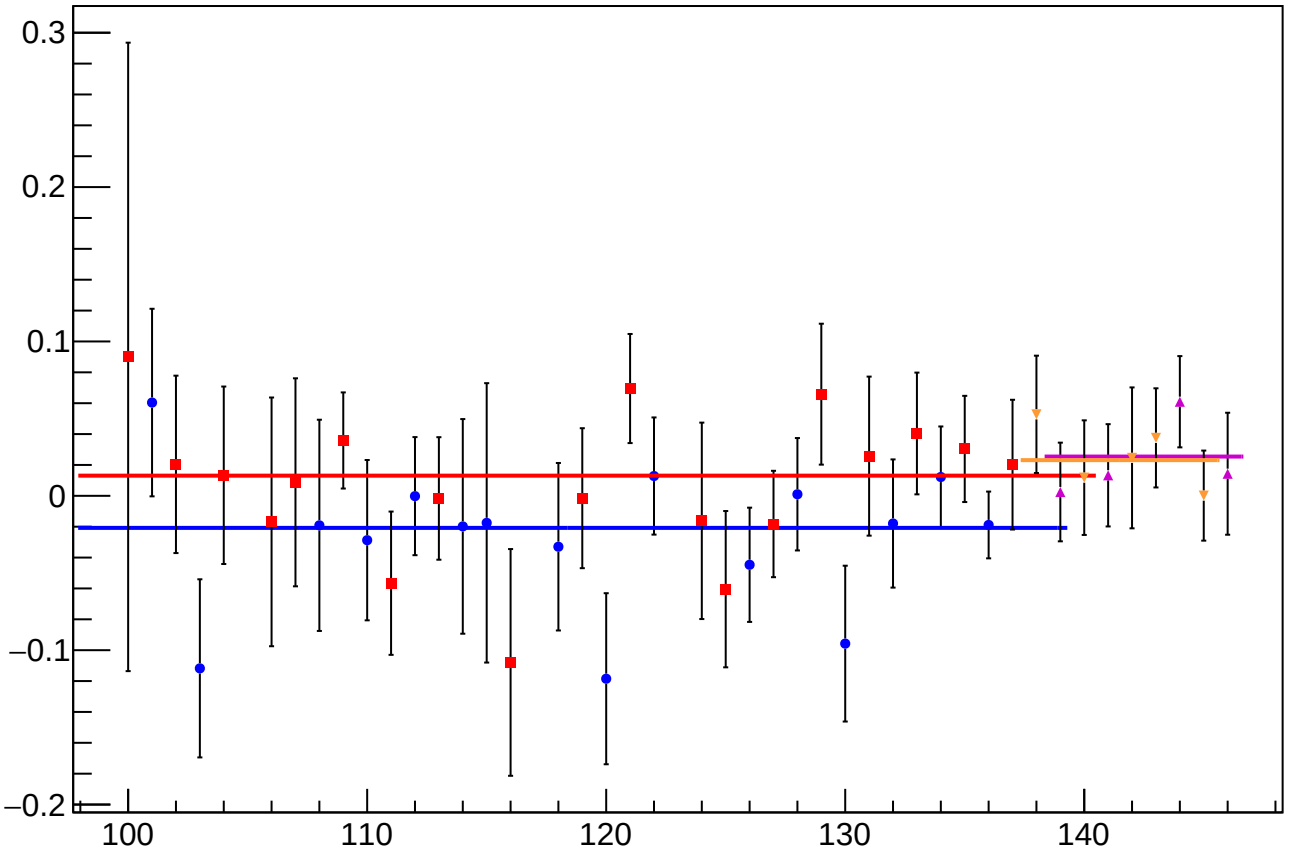
Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2299802.2/3

+ sign 0.001+/-0.000 χ^2/NDF: 6130901.1/20

All: 0.001+/-0.000 χ^2/NDF: 10940691.7/43

- sign 0.001+/-0.000 χ^2/NDF: 4809751.2/22



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.016 χ^2/NDF:1.5/4

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

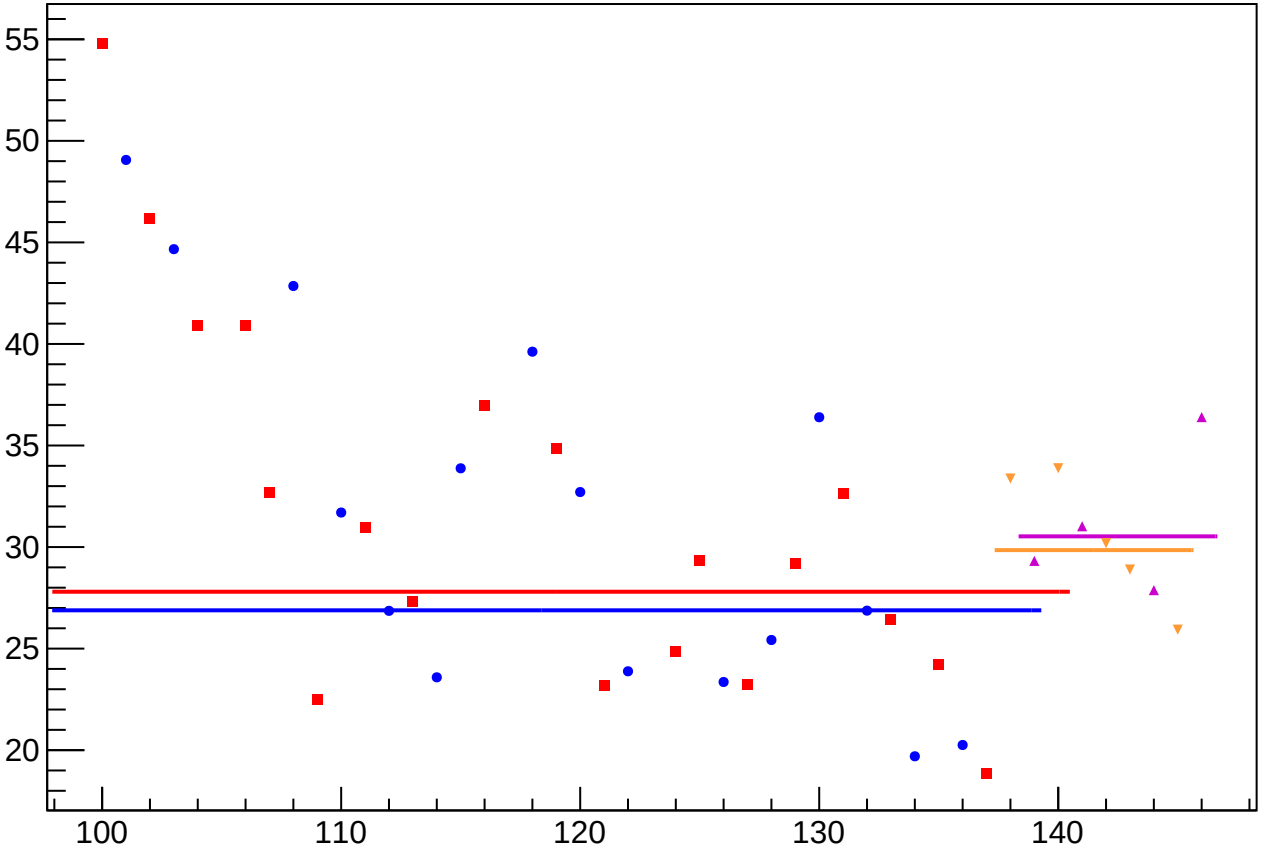
Left In: 0.025+/-0.016 χ^2/NDF:2.2/3

\+ sign -0.007+/-0.009 χ^2/NDF: 19.4/20

All: 0.005+/-0.006 χ^2/NDF: 39.6/43

\- sign 0.017+/-0.009 χ^2/NDF: 16.5/22

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78731.8/4

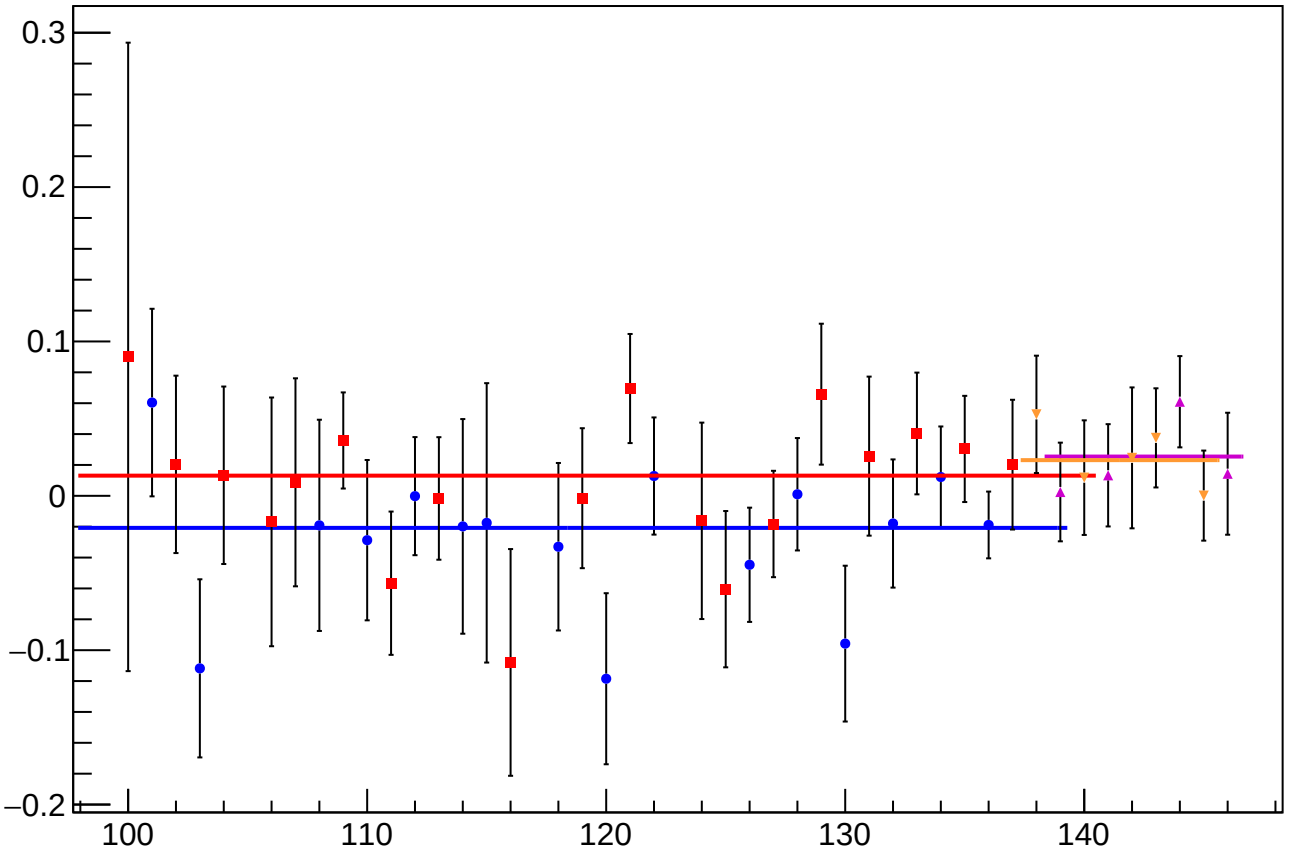
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.527+/-0.012 χ^2/NDF:63524.1/3

+ sign 27.800+/-0.006 χ^2/NDF: 1248407.6/20

All: 28.189+/-0.004 χ^2/NDF: 2122004.9/43

- sign 28.591+/-0.006 χ^2/NDF: 865538.1/22



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.016 χ^2/NDF:1.5/4

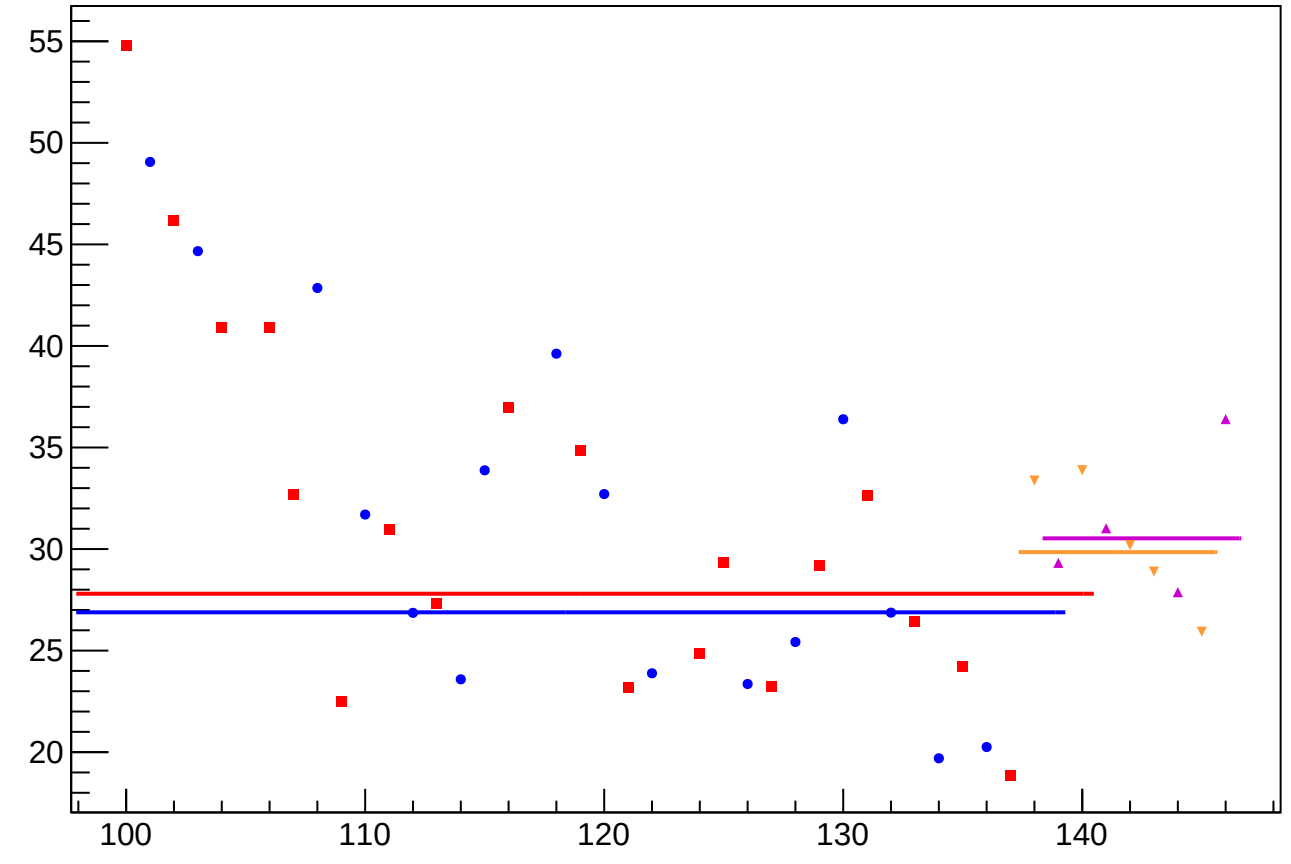
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.016 χ^2/NDF:2.2/3

\+ sign -0.007+/-0.009 χ^2/NDF: 19.4/20

All: 0.005+/-0.006 χ^2/NDF: 39.6/43

\- sign 0.017+/-0.009 χ^2/NDF: 16.5/22



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78731.8/4

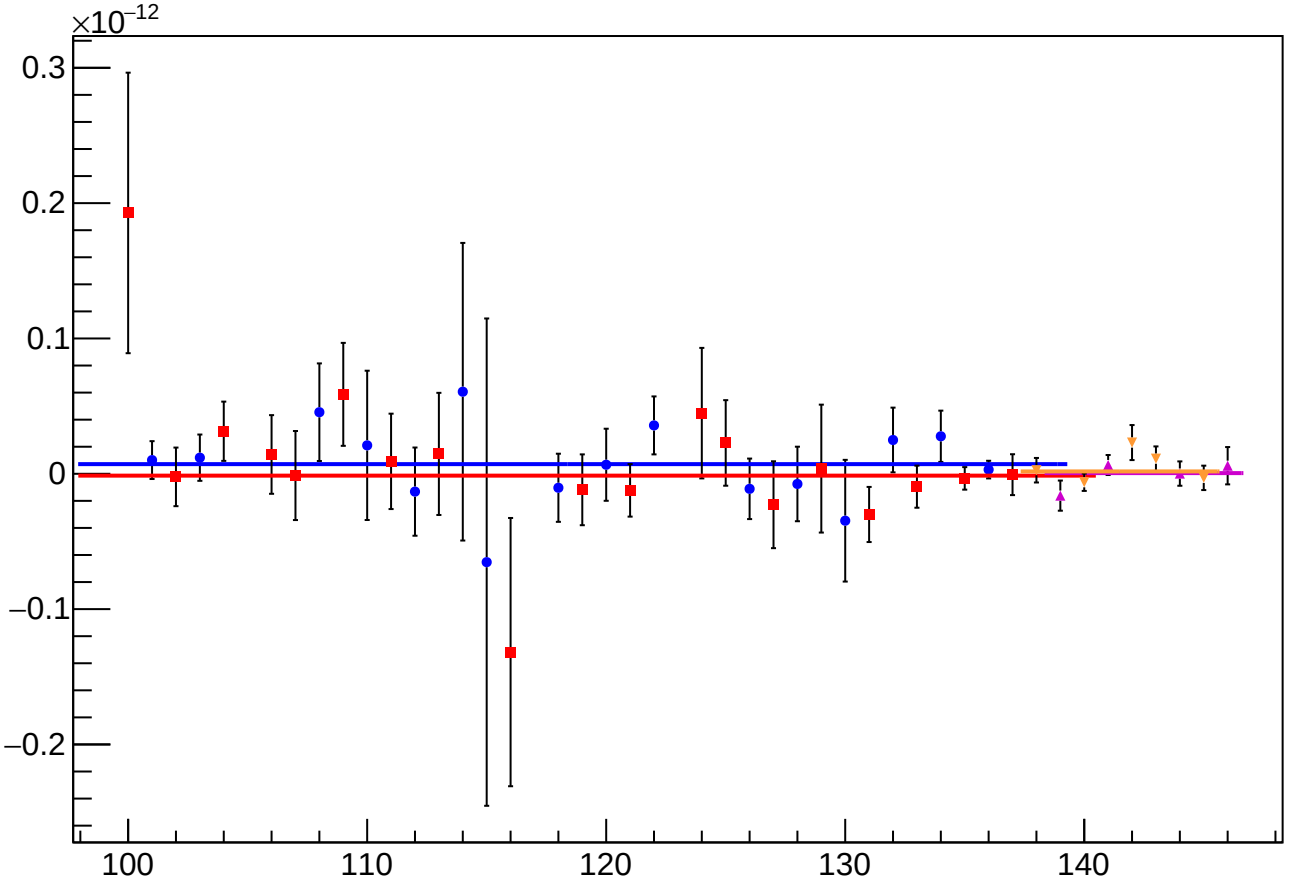
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.527+/-0.012 χ^2/NDF:63524.1/3

\+ sign 27.800+/-0.006 χ^2/NDF: 1248407.6/20

All: 28.189+/-0.004 χ^2/NDF: 2122004.9/43

\- sign 28.591+/-0.006 χ^2/NDF: 865538.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/4

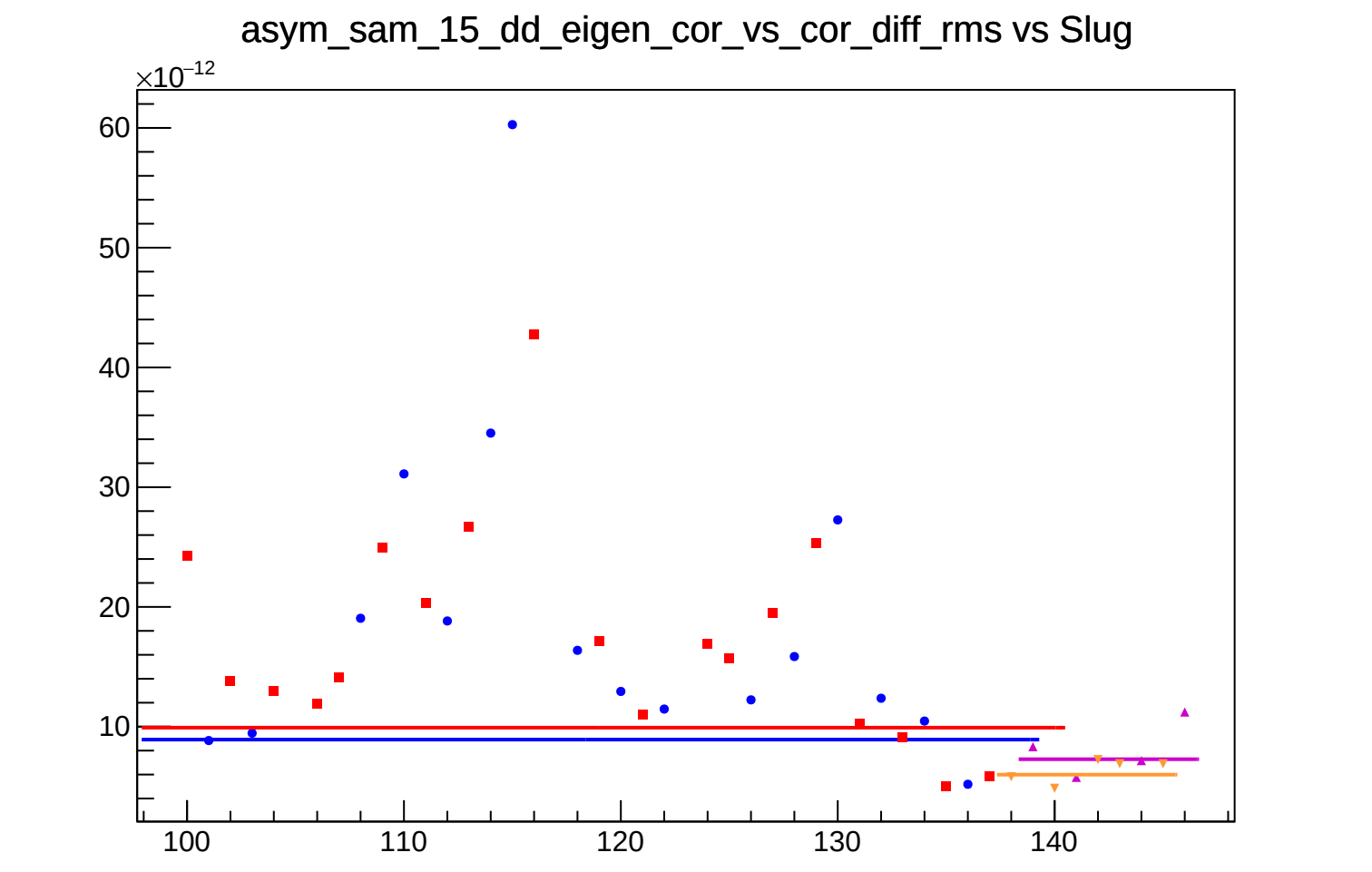
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/3

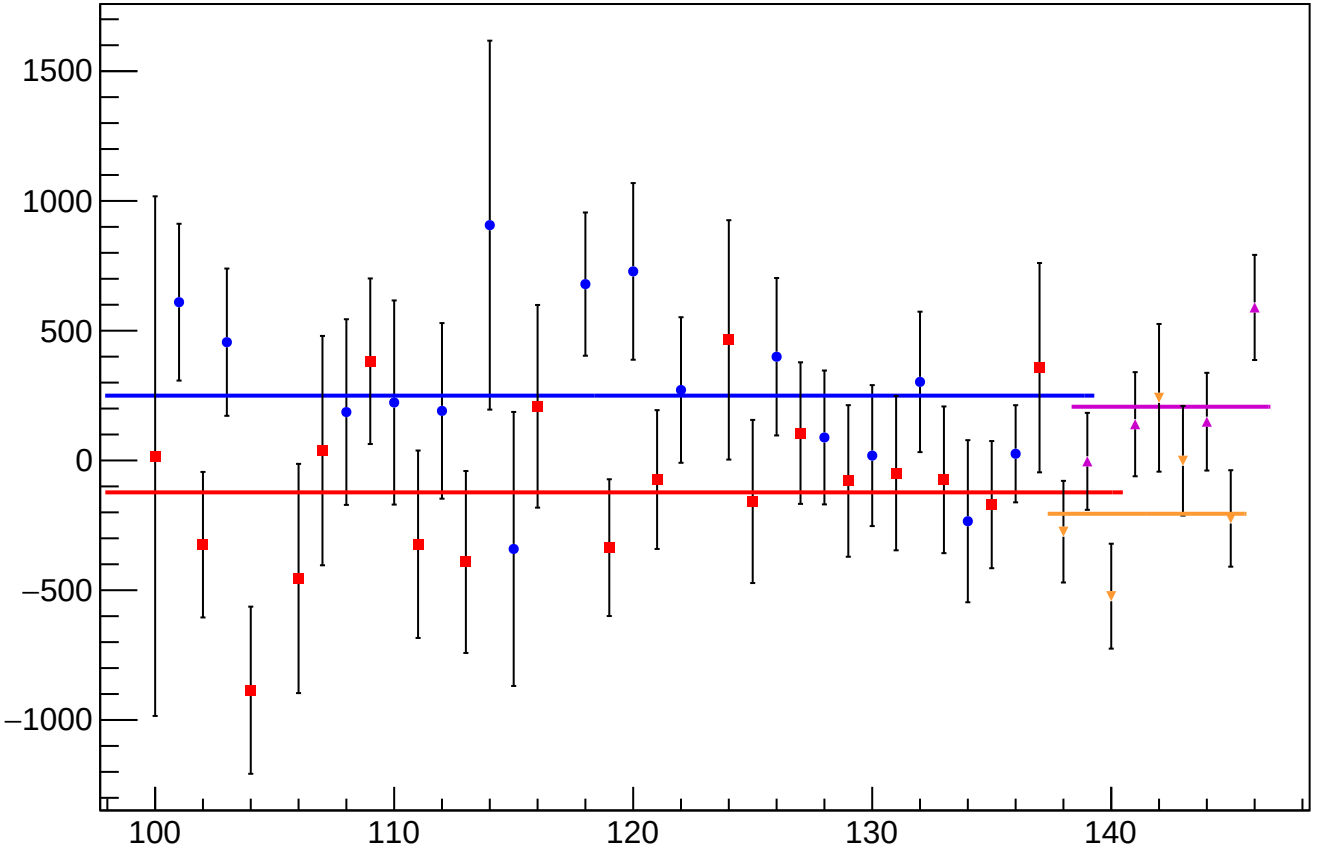
+ sign 0.000+/-0.000 χ^2/NDF: 14.8/20

All: 0.000+/-0.000 χ^2/NDF: 34.1/43

- sign -0.000+/-0.000 χ^2/NDF: 18.4/22


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:123351.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:265446.4/3
+ sign 0.000+/-0.000 χ²/NDF: 3003605.6/20
All: 0.000+/-0.000 χ²/NDF: 6407826.2/43
- sign 0.000+/-0.000 χ²/NDF: 3229177.4/22

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -205.398+/-93.544 χ^2/NDF:6.0/4

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

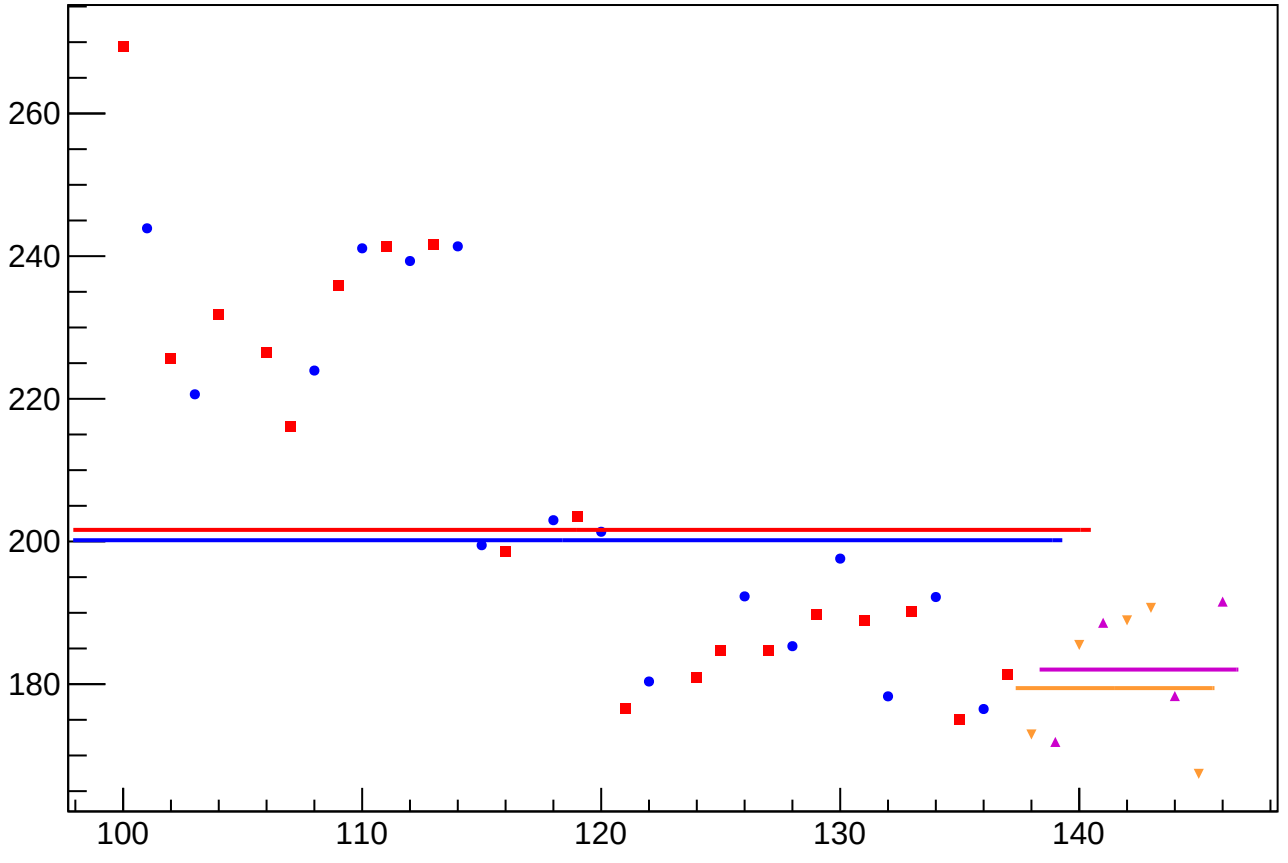
Left In: 206.970+/-97.094 χ^2/NDF:5.0/3

+ sign 72.015+/-58.456 χ^2/NDF: 34.2/20

All: 35.877+/-41.540 χ^2/NDF: 62.8/43

- sign -0.987+/-59.041 χ^2/NDF: 27.9/22

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 179.444+/-0.066 χ^2/NDF:20264.4/4

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

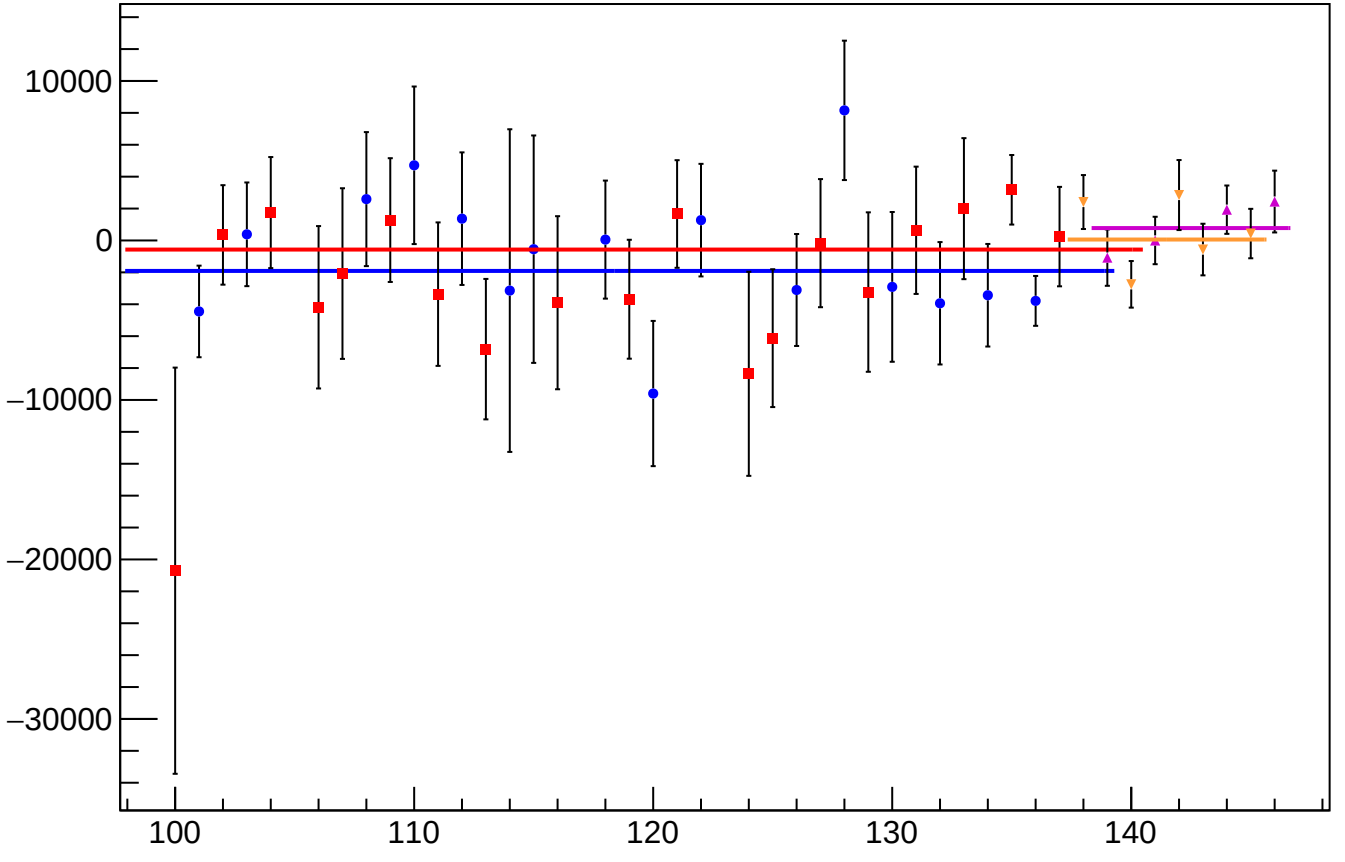
Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

+ sign 192.080+/-0.041 χ^2/NDF: 261148.5/20

All: 193.222+/-0.029 χ^2/NDF: 524446.6/43

- sign 194.386+/-0.042 χ^2/NDF: 261757.6/22

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: 58.285+/-740.394 χ^2/NDF:7.5/4

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

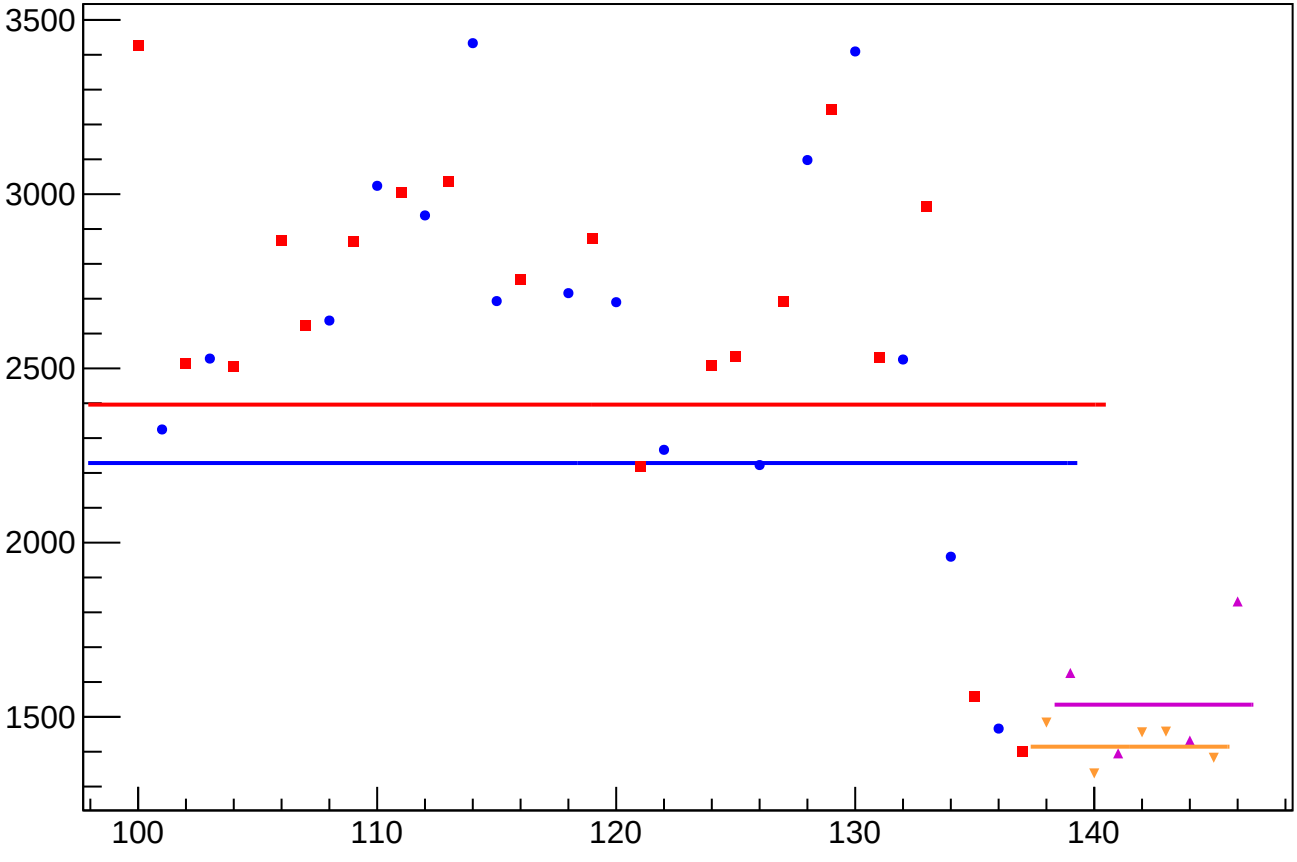
Left In: 776.676+/-823.631 χ^2/NDF:2.7/3

\+ sign -780.744+/-560.846 χ^2/NDF: 26.7/20

All: -346.780+/-412.161 χ^2/NDF: 46.6/43

\- sign 162.793+/-607.742 χ^2/NDF: 18.5/22

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1414.447+/-0.524 χ^2/NDF:11840.9/4

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

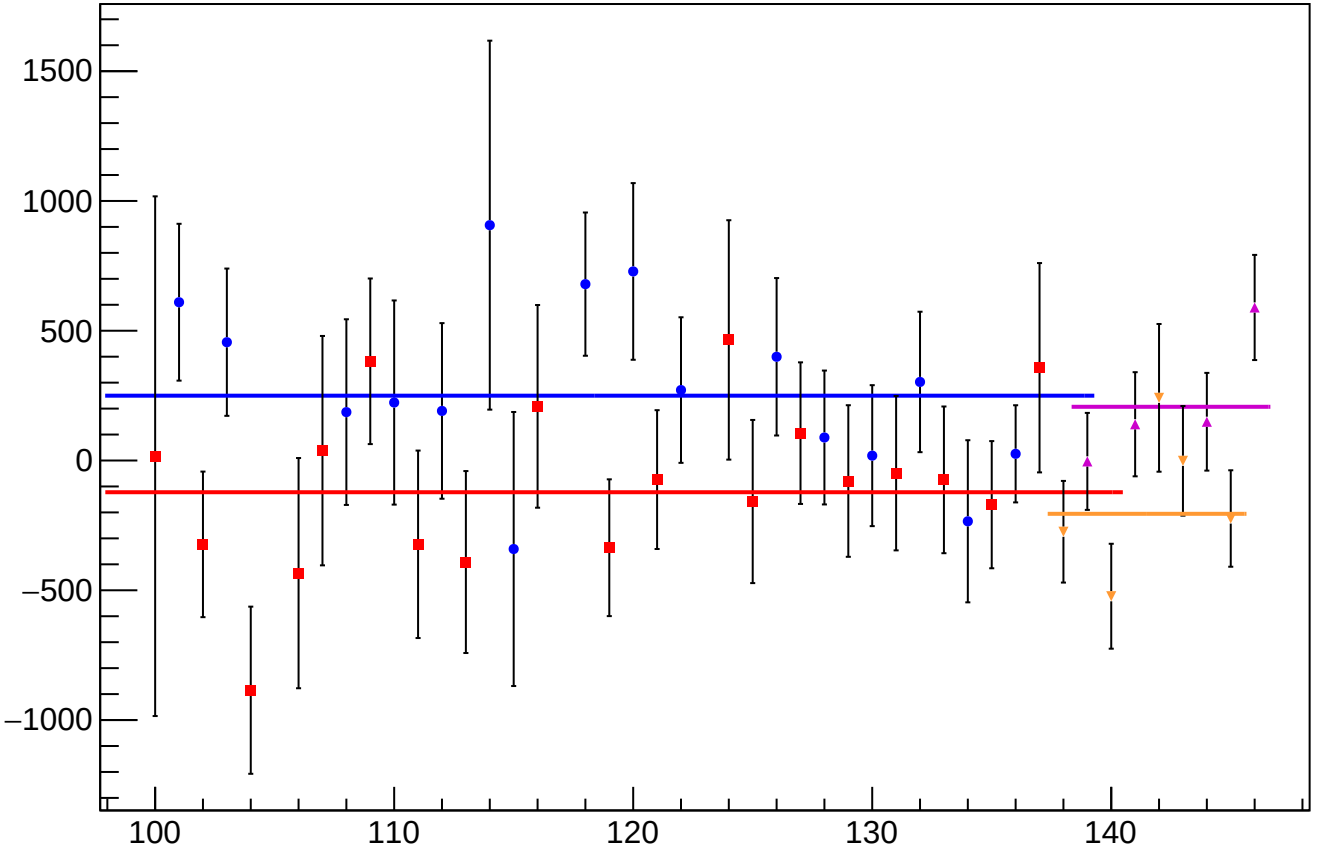
Left In: 1535.008+/-0.582 χ^2/NDF:78932.7/3

+ sign 1761.366+/-0.397 χ^2/NDF: 1989760.5/20

All: 1837.663+/-0.291 χ^2/NDF: 3944387.0/43

- sign 1927.253+/-0.430 χ^2/NDF: 1874151.4/22

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -205.401+/-93.544 χ^2/NDF:6.0/4

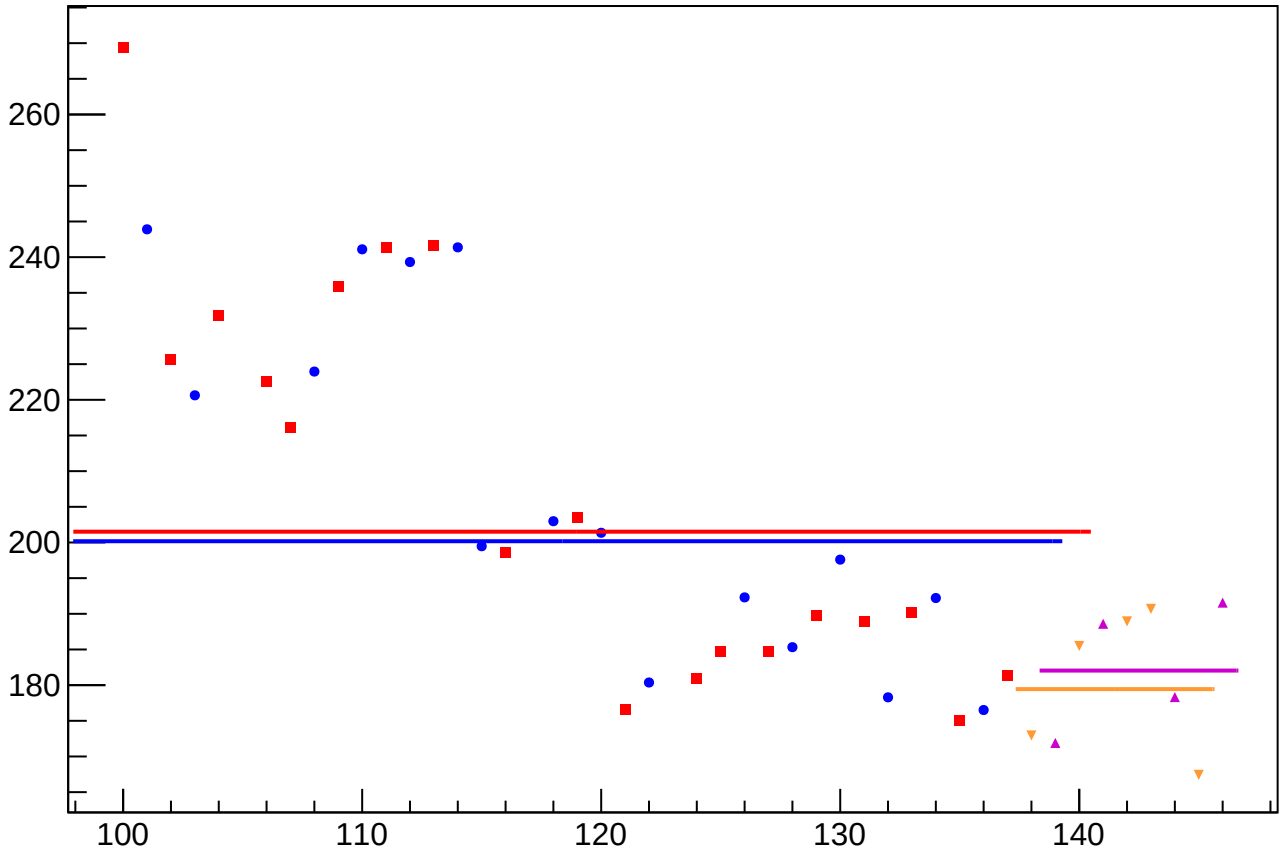
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 206.969+/-97.094 χ^2/NDF:5.0/3

+ sign 72.016+/-58.456 χ^2/NDF: 34.2/20

All: 36.135+/-41.542 χ^2/NDF: 62.7/43

- sign -0.473+/-59.046 χ^2/NDF: 27.8/22



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 179.444+/-0.066 χ^2/NDF:20264.4/4

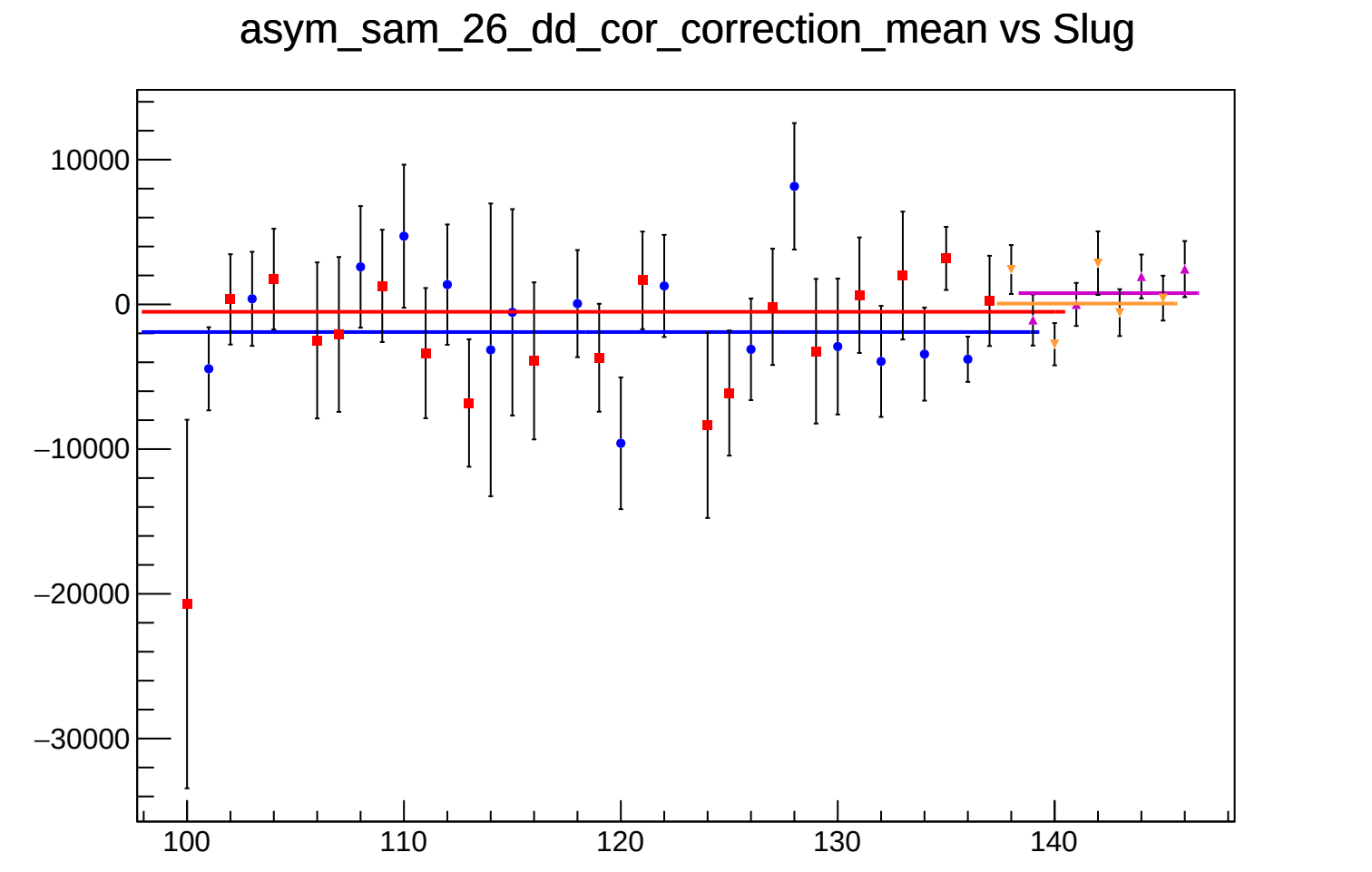
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

+ sign 192.080+/-0.041 χ^2/NDF: 261148.9/20

All: 193.186+/-0.029 χ^2/NDF: 521943.1/43

- sign 194.314+/-0.042 χ^2/NDF: 259349.0/22



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: 58.275+/-740.394 χ^2/NDF:7.5/4

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

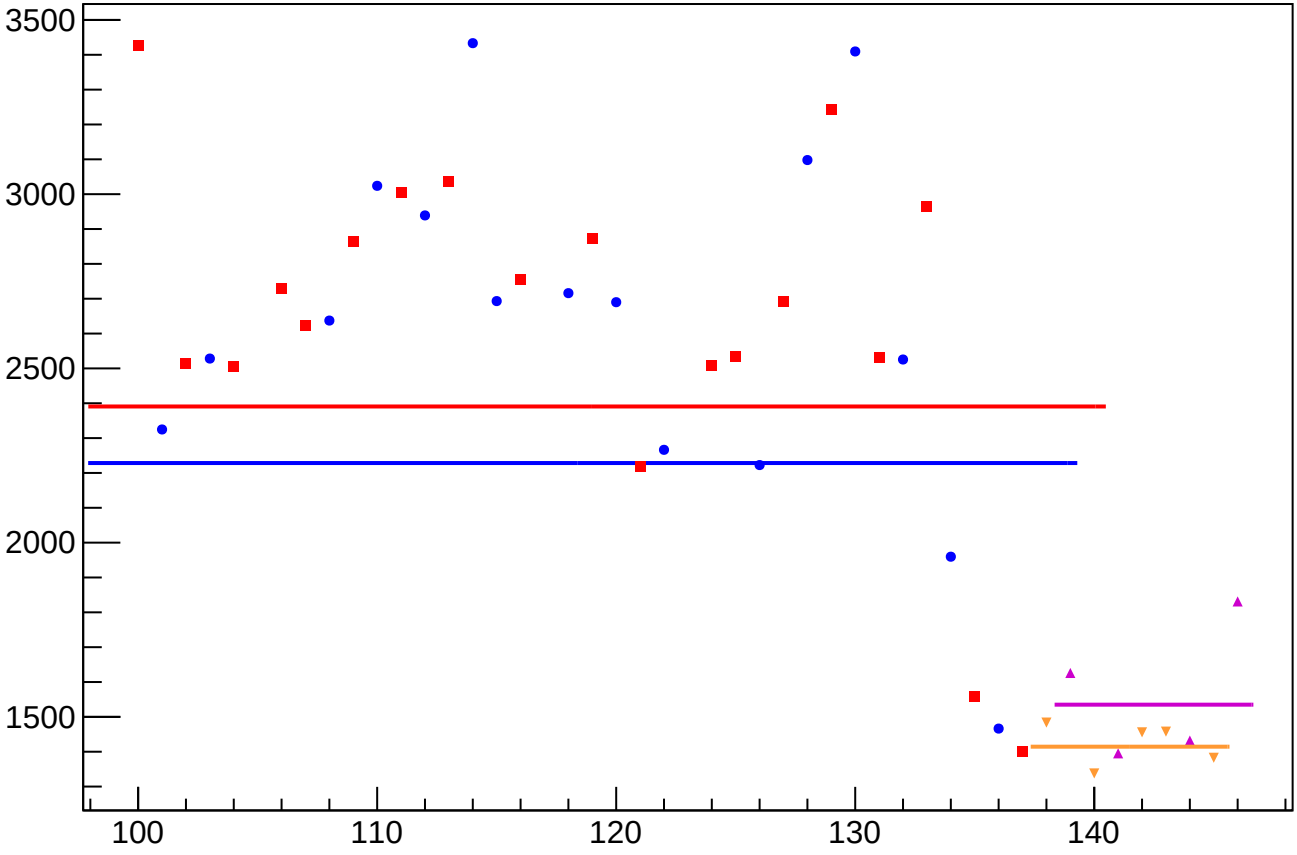
Left In: 776.653+/-823.631 χ^2/NDF:2.7/3

+ sign -780.731+/-560.846 χ^2/NDF: 26.7/20

All: -334.148+/-412.311 χ^2/NDF: 46.2/43

- sign 191.069+/-608.222 χ^2/NDF: 18.0/22

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1414.447+/-0.524 χ^2/NDF:11841.3/4

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

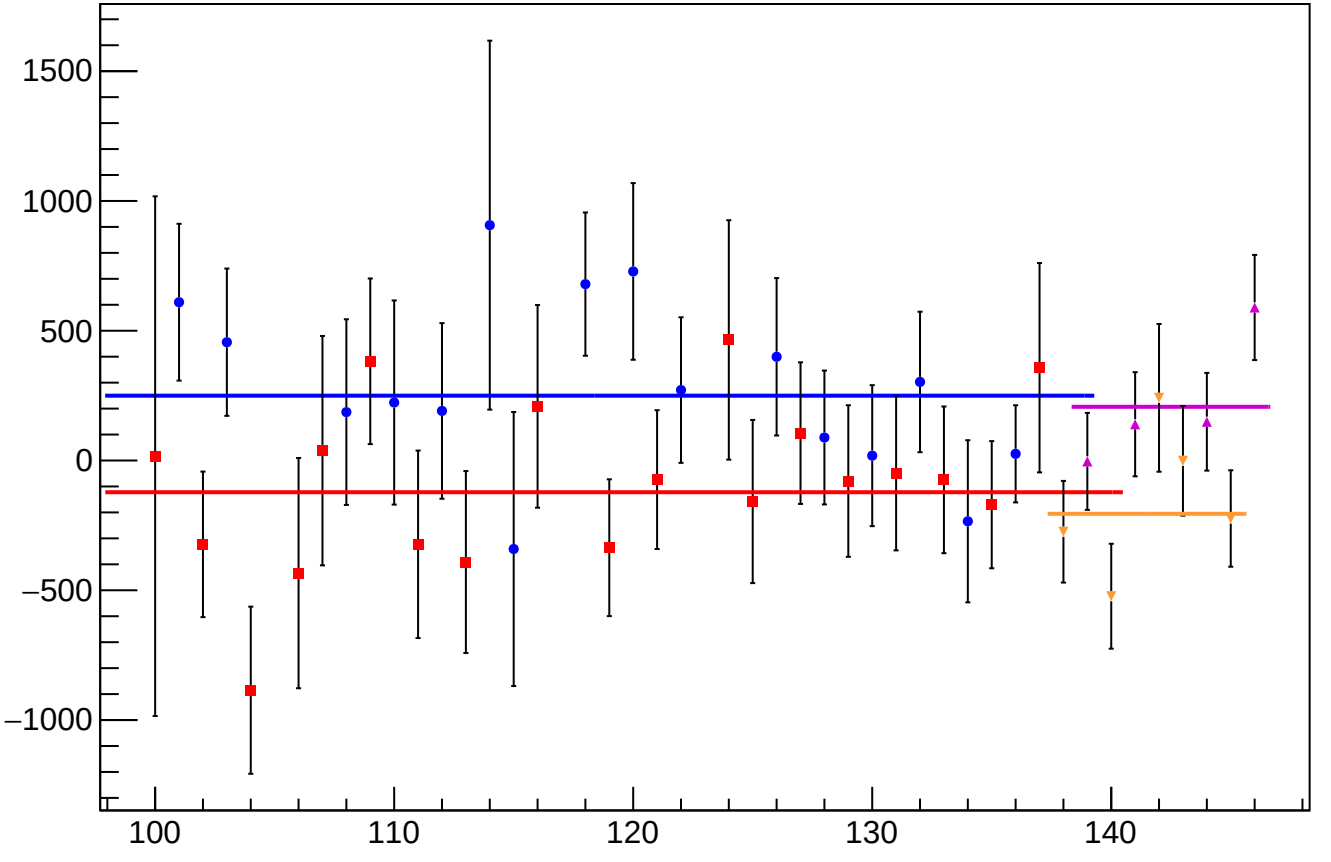
Left In: 1535.008+/-0.582 χ^2/NDF:78933.2/3

+ sign 1761.367+/-0.397 χ^2/NDF: 1989773.0/20

All: 1836.140+/-0.292 χ^2/NDF: 3917656.7/43

- sign 1924.080+/-0.430 χ^2/NDF: 1850523.9/22

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -205.401+/-93.544 χ^2/NDF:6.0/4

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

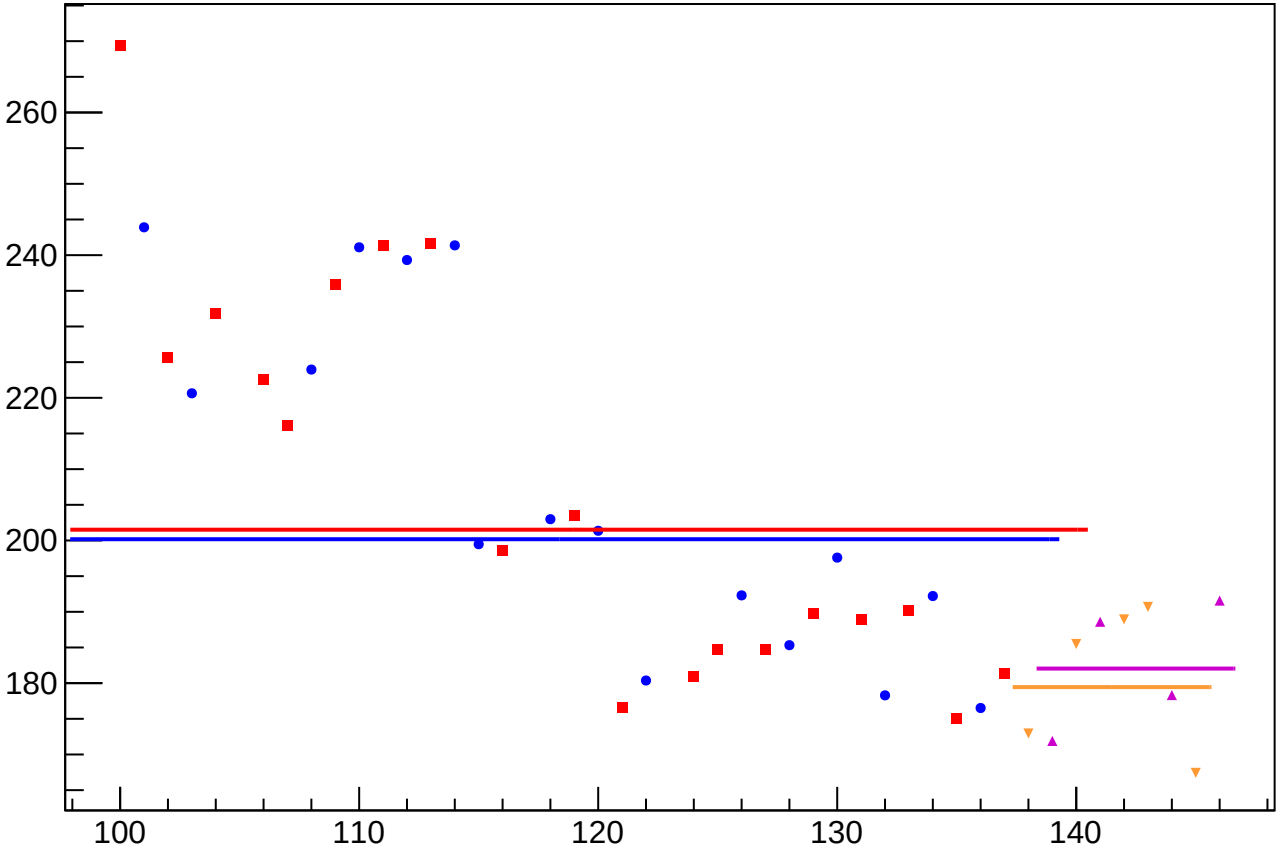
Left In: 206.969+/-97.094 χ^2/NDF:5.0/3

+ sign 72.016+/-58.456 χ^2/NDF: 34.2/20

All: 36.135+/-41.542 χ^2/NDF: 62.7/43

- sign -0.473+/-59.046 χ^2/NDF: 27.8/22

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 179.444+/-0.066 χ^2/NDF:20264.4/4

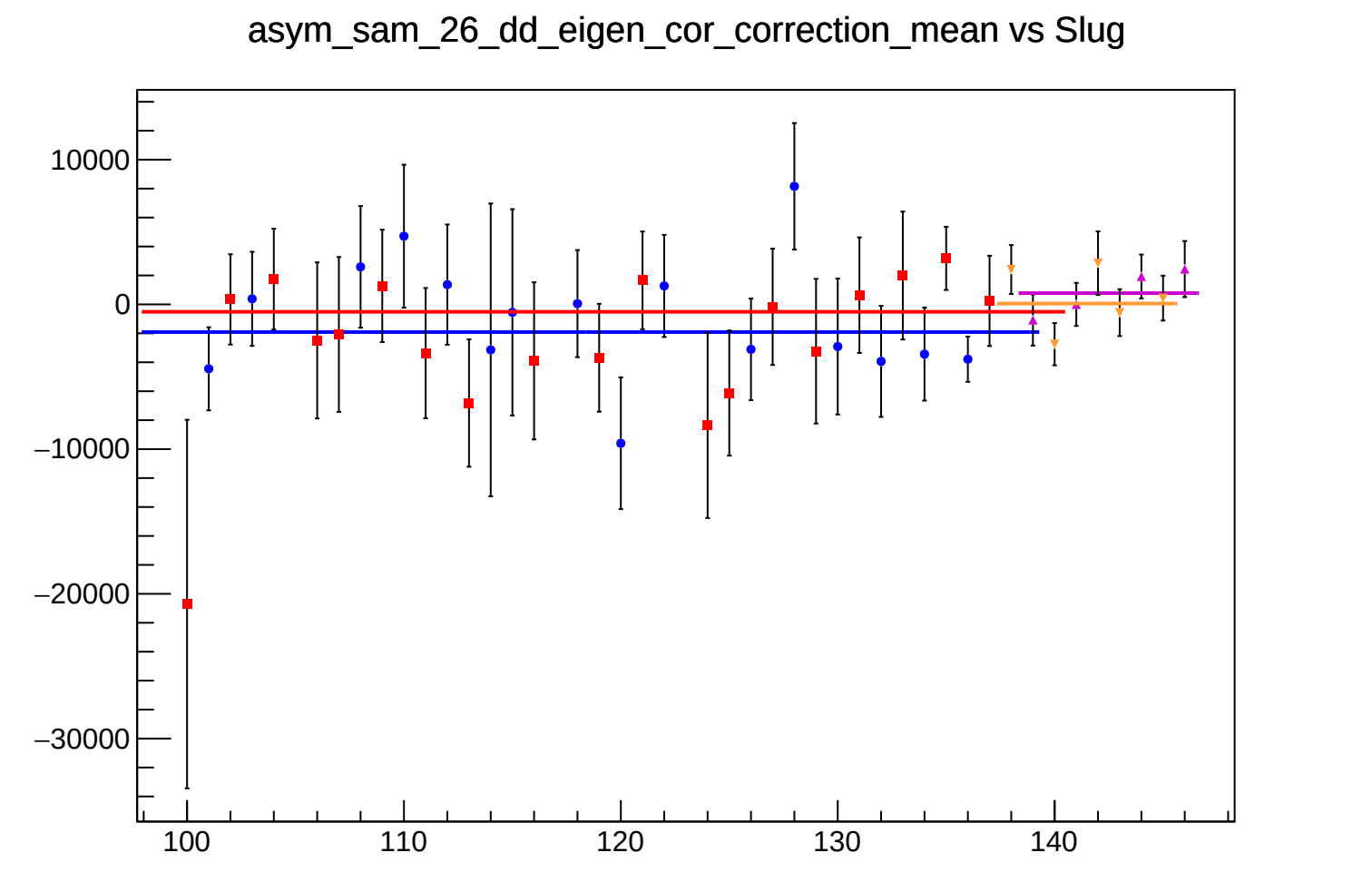
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

+ sign 192.080+/-0.041 χ^2/NDF: 261148.9/20

All: 193.186+/-0.029 χ^2/NDF: 521943.1/43

- sign 194.314+/-0.042 χ^2/NDF: 259349.0/22



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: 58.275+/-740.394 χ^2/NDF:7.5/4

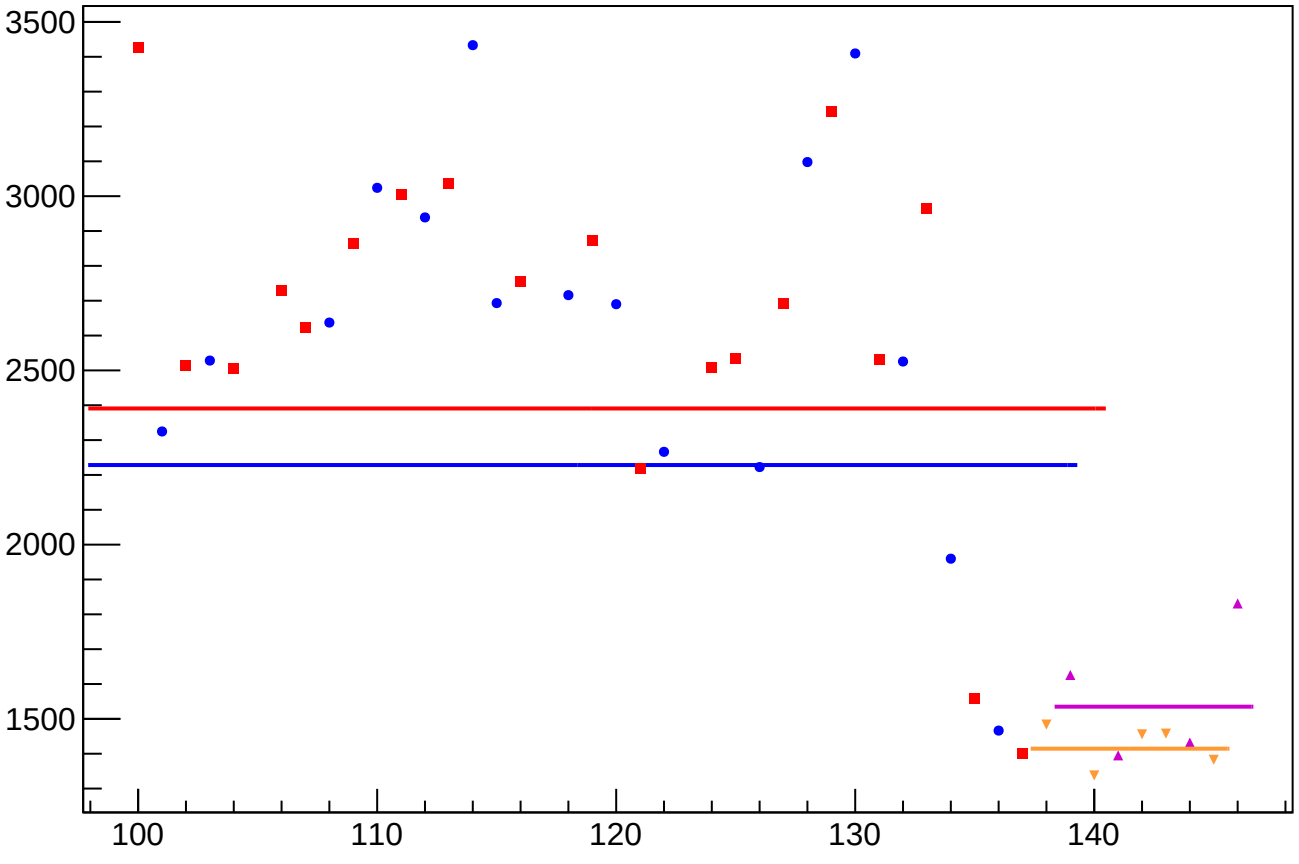
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 776.653+/-823.631 χ^2/NDF:2.7/3

+ sign -780.731+/-560.846 χ^2/NDF: 26.7/20

All: -334.148+/-412.311 χ^2/NDF: 46.2/43

- sign 191.069+/-608.222 χ^2/NDF: 18.0/22



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1414.447+/-0.524 χ^2/NDF:11841.3/4

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

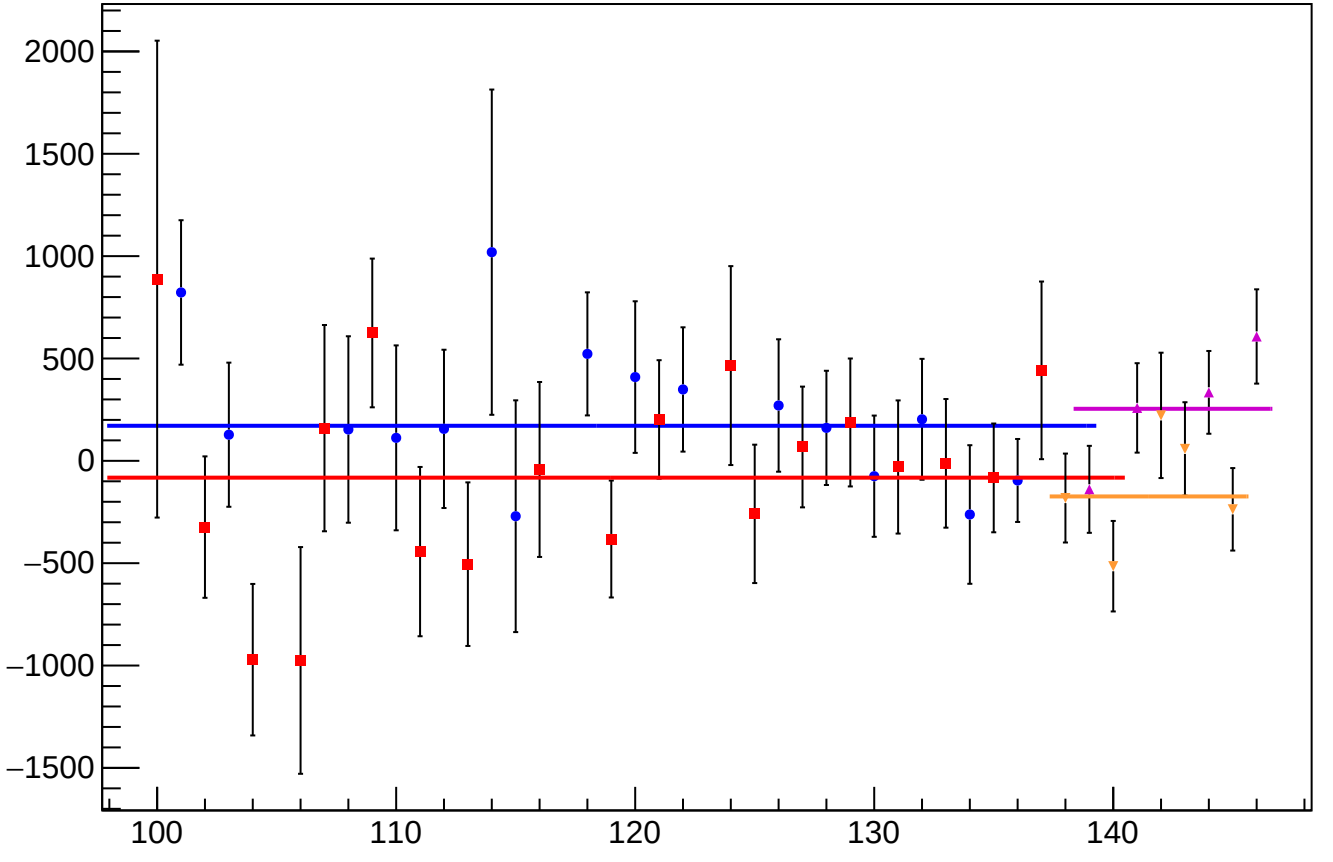
Left In: 1535.008+/-0.582 χ^2/NDF:78933.2/3

+ sign 1761.367+/-0.397 χ^2/NDF: 1989773.0/20

All: 1836.140+/-0.292 χ^2/NDF: 3917656.7/43

- sign 1924.080+/-0.430 χ^2/NDF: 1850523.9/22

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -173.931+/-101.971 χ^2/NDF:5.2/4

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

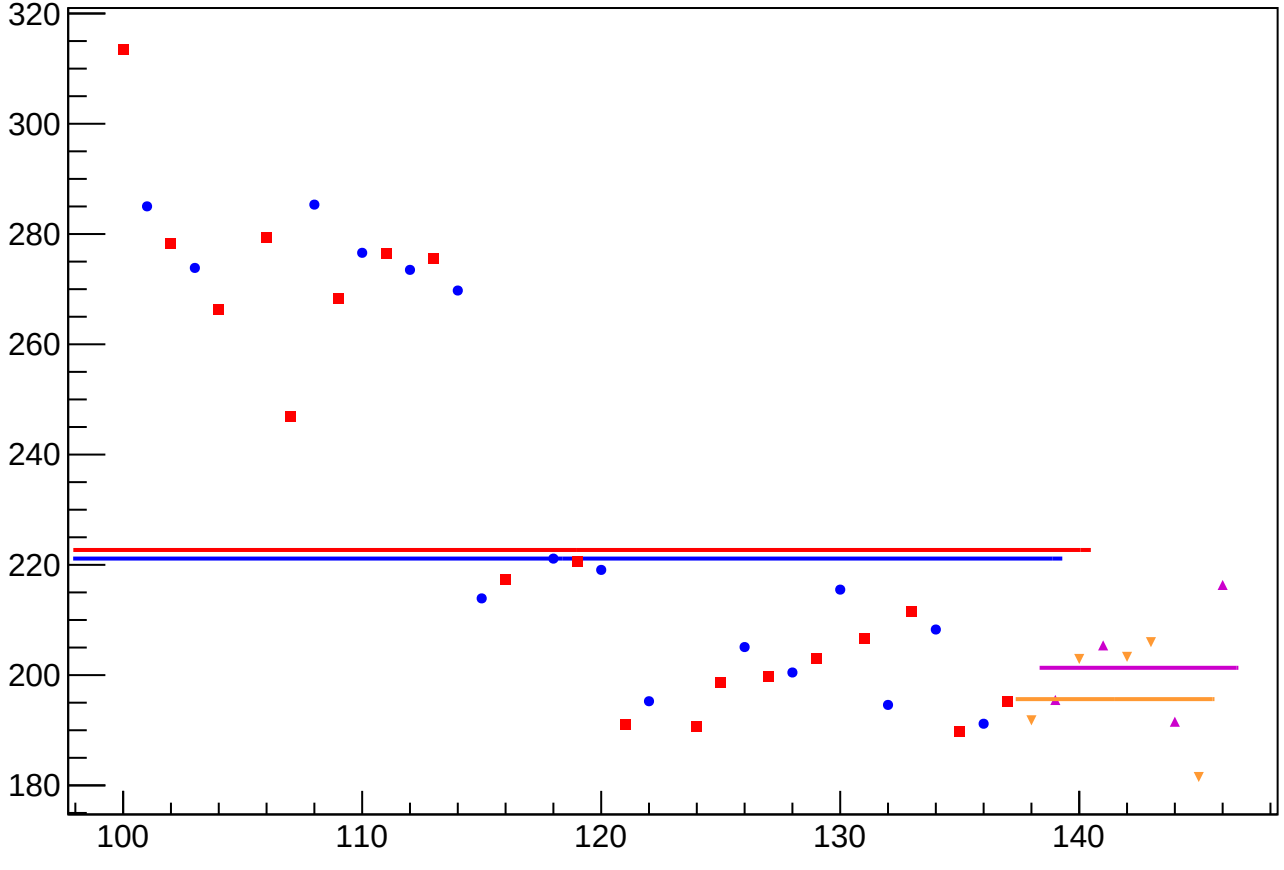
Left In: 254.234+/-107.573 χ^2/NDF:5.9/3

+ sign 33.467+/-64.425 χ^2/NDF: 23.6/20

All: 37.916+/-45.926 χ^2/NDF: 57.3/43

- sign 42.513+/-65.487 χ^2/NDF: 33.7/22

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 195.645+/-0.072 χ^2/NDF:17981.4/4

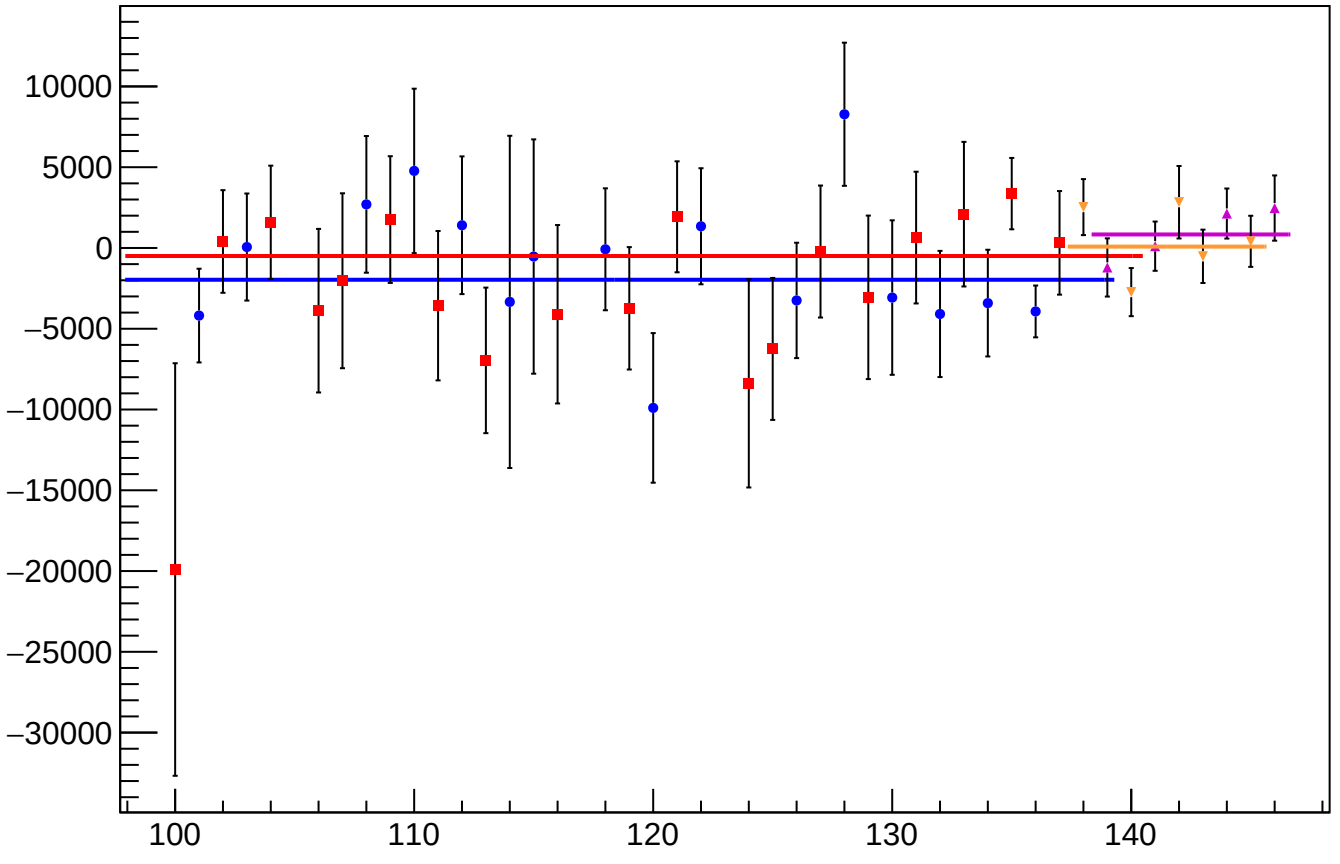
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 201.327+/-0.076 χ^2/NDF:15394.4/3

+ sign 210.962+/-0.046 χ^2/NDF: 411795.5/20

All: 212.839+/-0.032 χ^2/NDF: 807350.6/43

- sign 214.778+/-0.046 χ^2/NDF: 392105.6/22



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: 84.236+/-756.092 χ^2/NDF:7.2/4

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

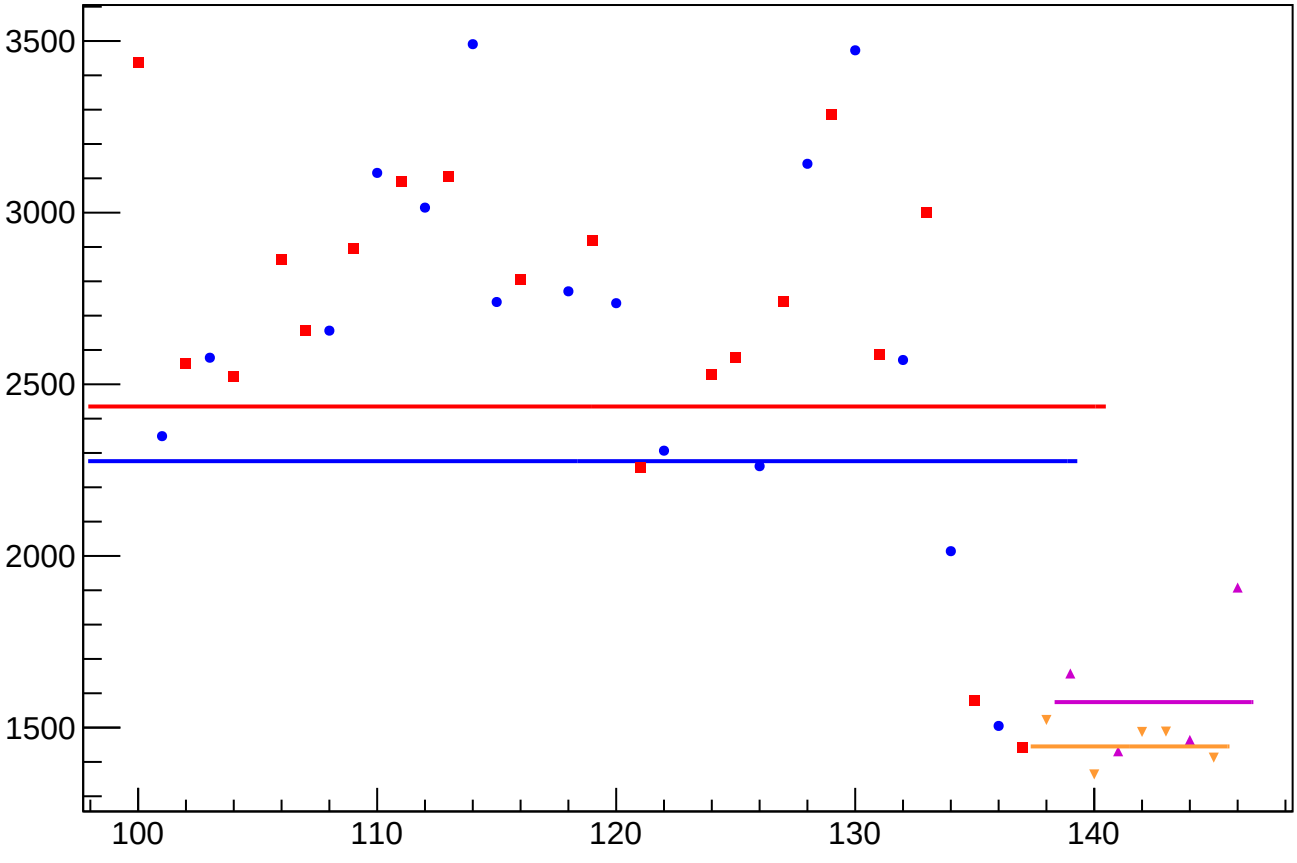
Left In: 836.592+/-845.089 χ^2/NDF:2.9/3

+ sign -790.968+/-572.544 χ^2/NDF: 26.5/20

All: -325.155+/-420.858 χ^2/NDF: 46.8/43

- sign 222.378+/-620.739 χ^2/NDF: 18.8/22

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1445.136+/-0.535 χ^2/NDF:12890.2/4

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

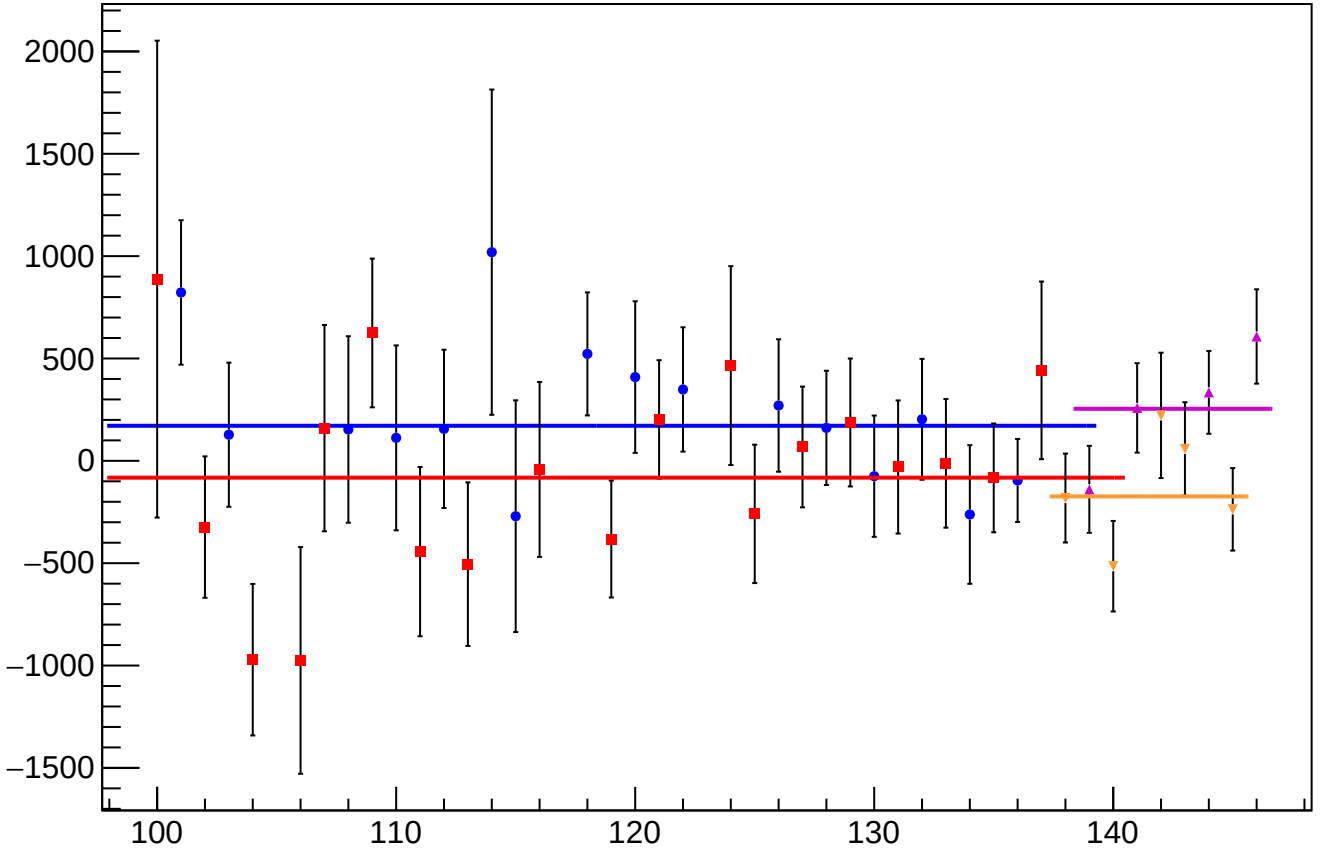
Left In: 1574.256+/-0.598 χ^2/NDF:86675.6/3

+ sign 1799.627+/-0.405 χ^2/NDF: 1970465.3/20

All: 1878.297+/-0.298 χ^2/NDF: 3886970.8/43

- sign 1970.769+/-0.439 χ^2/NDF: 1834361.6/22

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -173.938+/-101.971 χ^2/NDF:5.2/4

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

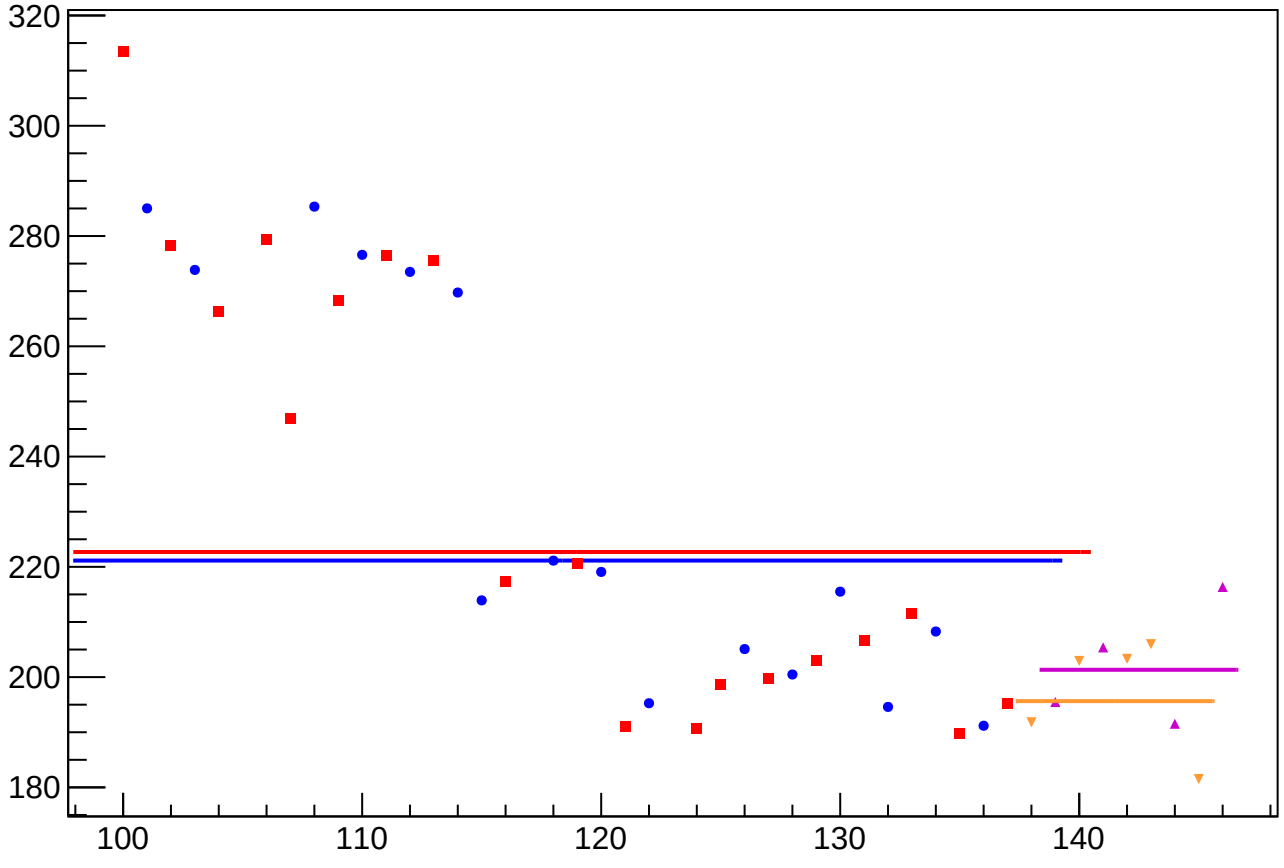
Left In: 254.234+/-107.572 χ^2/NDF:5.9/3

+ sign 33.466+/-64.425 χ^2/NDF: 23.6/20

All: 37.916+/-45.926 χ^2/NDF: 57.3/43

- sign 42.514+/-65.487 χ^2/NDF: 33.7/22

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 195.644+/-0.072 χ^2/NDF:17982.5/4

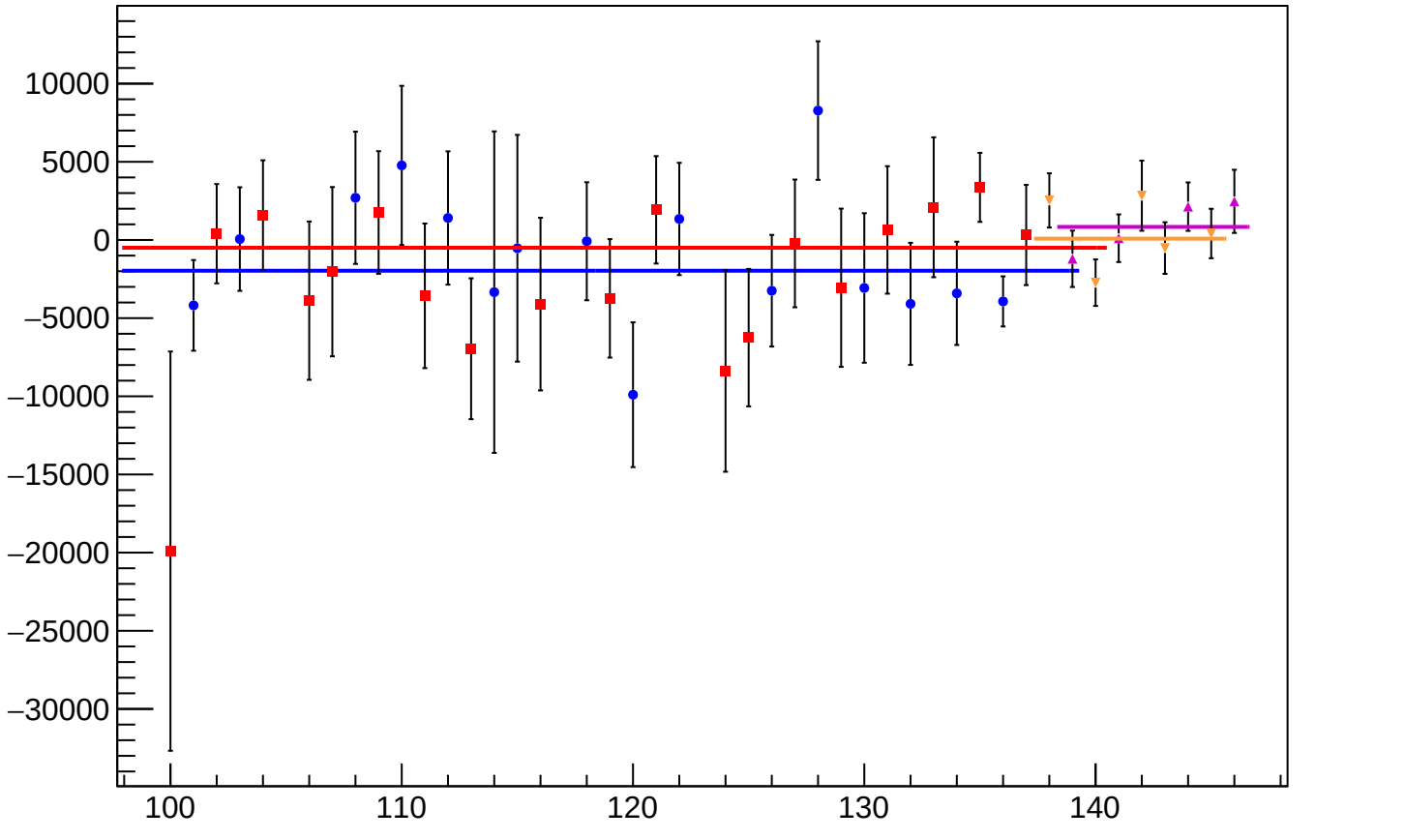
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 201.327+/-0.076 χ^2/NDF:15394.3/3

+ sign 210.962+/-0.046 χ^2/NDF: 411787.1/20

All: 212.838+/-0.032 χ^2/NDF: 807332.8/43

- sign 214.777+/-0.046 χ^2/NDF: 392096.0/22



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: 84.231+/-756.091 χ^2/NDF:7.2/4

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

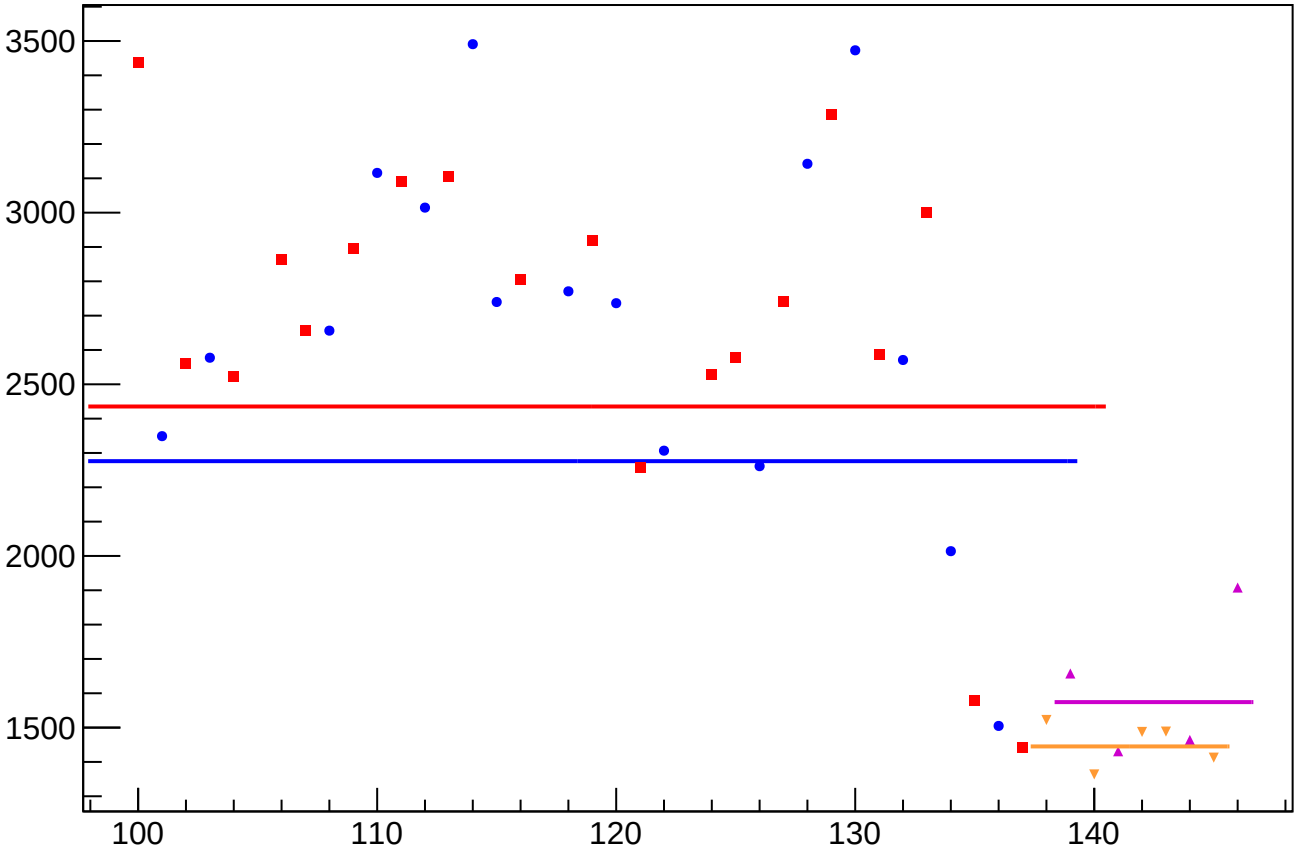
Left In: 836.590+/-845.089 χ^2/NDF:2.9/3

+ sign -790.969+/-572.544 χ^2/NDF: 26.5/20

All: -325.157+/-420.858 χ^2/NDF: 46.8/43

- sign 222.376+/-620.738 χ^2/NDF: 18.8/22

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1445.134+/-0.535 χ^2/NDF:12890.3/4

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

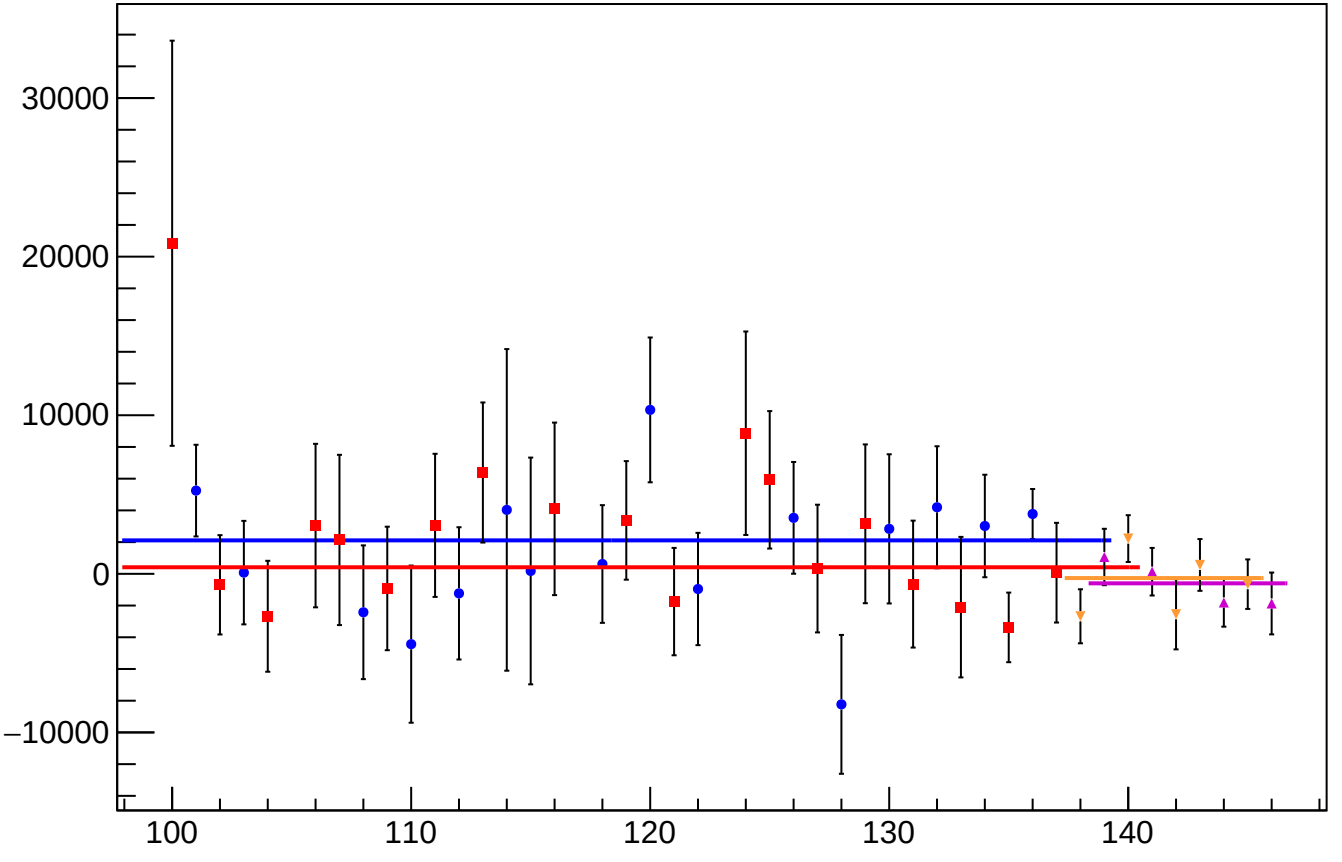
Left In: 1574.254+/-0.598 χ^2/NDF:86675.1/3

+ sign 1799.626+/-0.405 χ^2/NDF: 1970455.8/20

All: 1878.295+/-0.298 χ^2/NDF: 3886951.8/43

- sign 1970.767+/-0.439 χ^2/NDF: 1834351.9/22

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: -266.800+/-746.574 χ^2/NDF:6.2/4

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

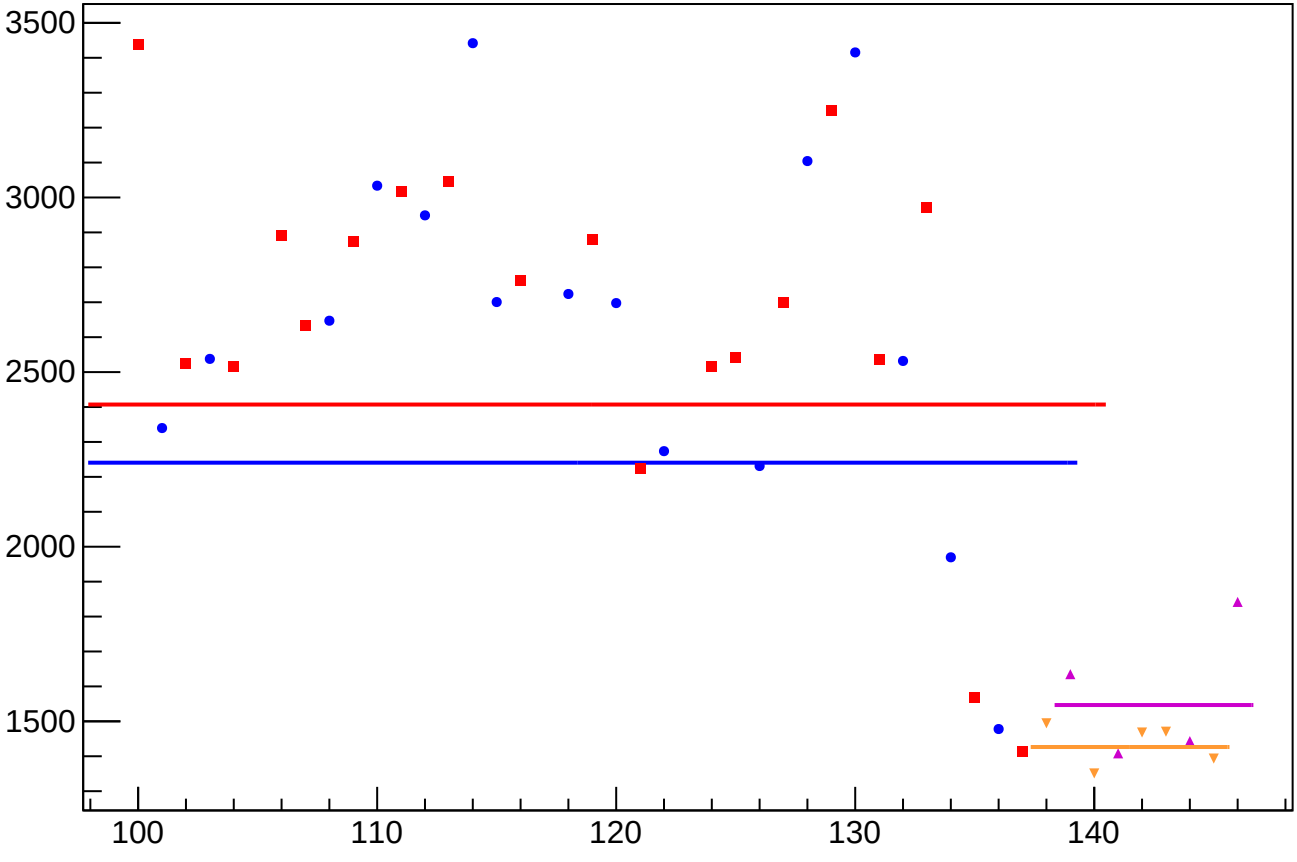
Left In: -599.275+/-829.732 χ^2/NDF:2.2/3

+ sign 749.983+/-564.699 χ^2/NDF: 27.2/20

All: 342.054+/-414.834 χ^2/NDF: 45.8/43

- sign -136.150+/-611.409 χ^2/NDF: 17.5/22

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1426.472+/-0.528 χ^2/NDF:11485.0/4

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

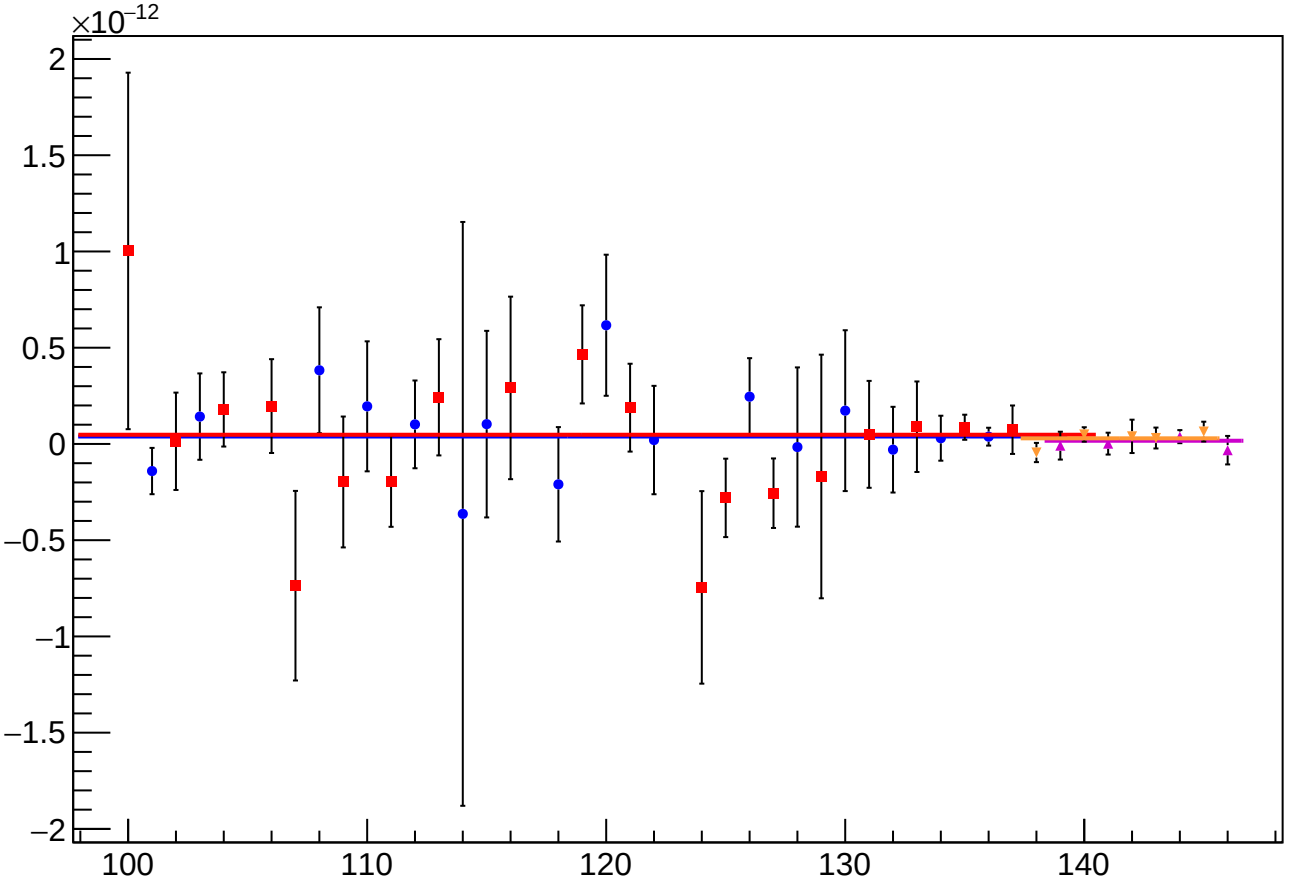
Left In: 1546.686+/-0.587 χ^2/NDF:77005.2/3

+ sign 1774.830+/-0.399 χ^2/NDF: 1962770.9/20

All: 1850.828+/-0.293 χ^2/NDF: 3890371.8/43

- sign 1939.919+/-0.432 χ^2/NDF: 1848912.3/22

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:2.9/4

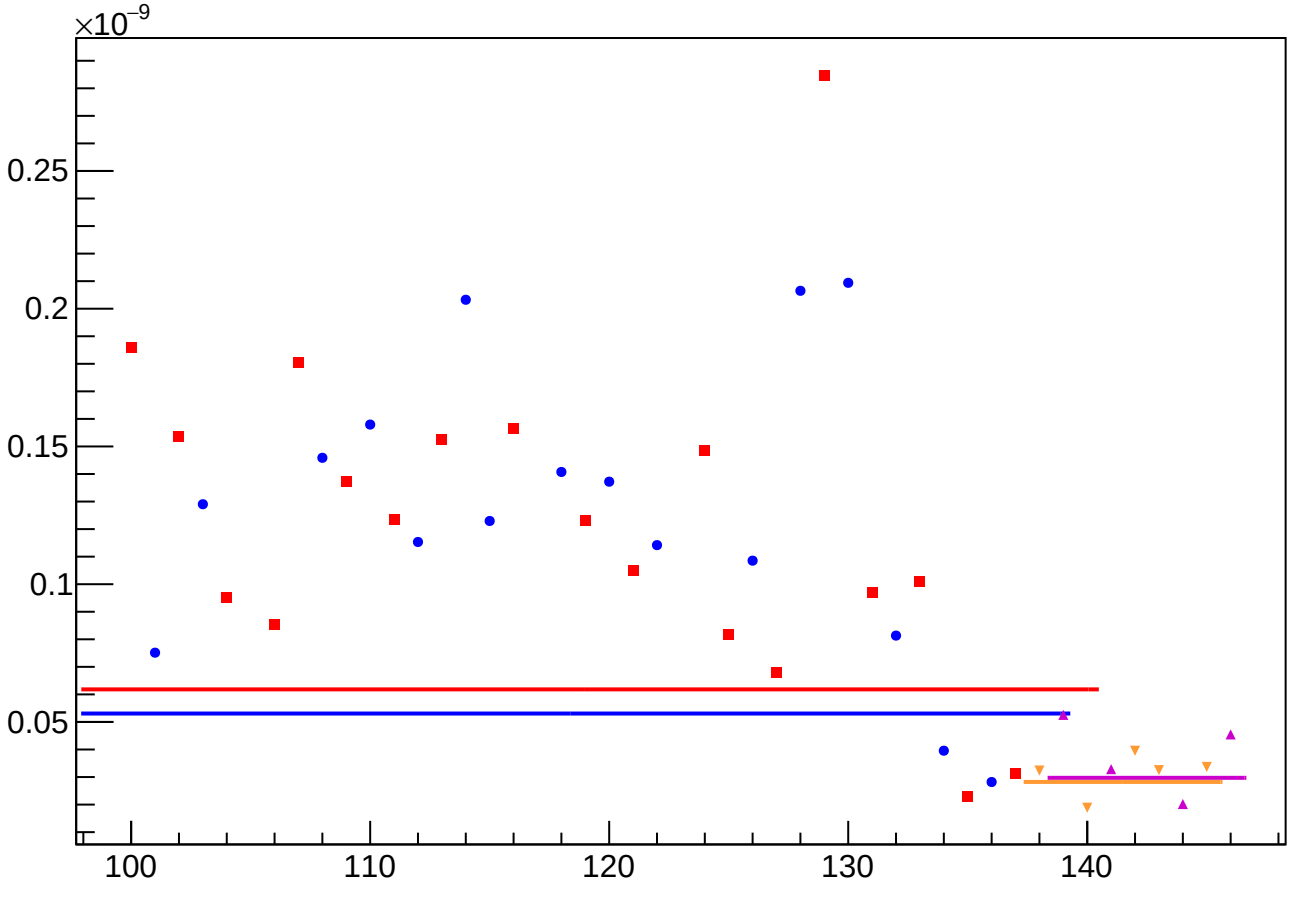
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 11.4/20

All: 0.000+/-0.000 χ^2/NDF: 31.1/43

- sign 0.000+/-0.000 χ^2/NDF: 19.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:207645.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

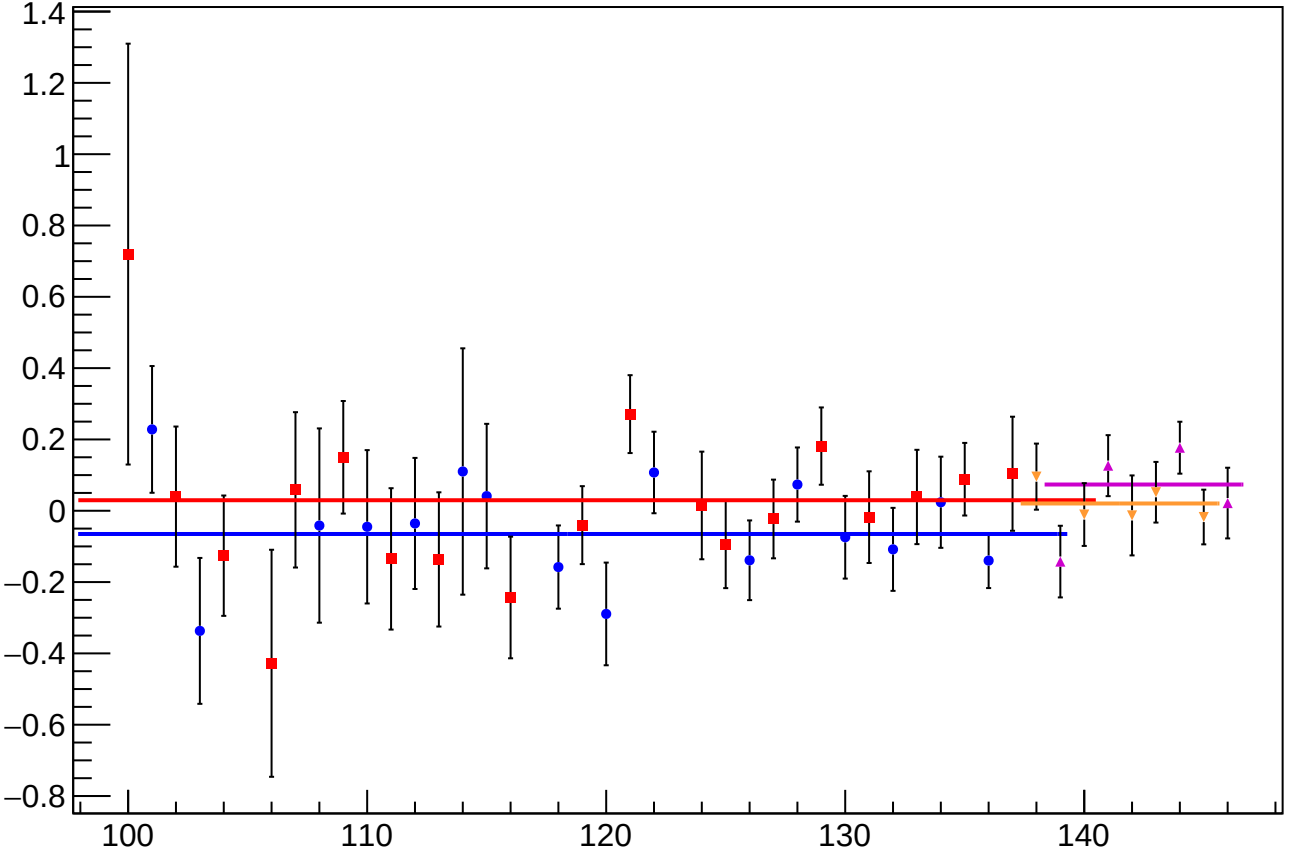
Left In: 0.000+/-0.000 χ^2/NDF:452566.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 3457480.7/20

All: 0.000+/-0.000 χ^2/NDF: 7161002.0/43

- sign 0.000+/-0.000 χ^2/NDF: 3685033.2/22

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: 0.020+/-0.040 χ^2/NDF:1.3/4

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

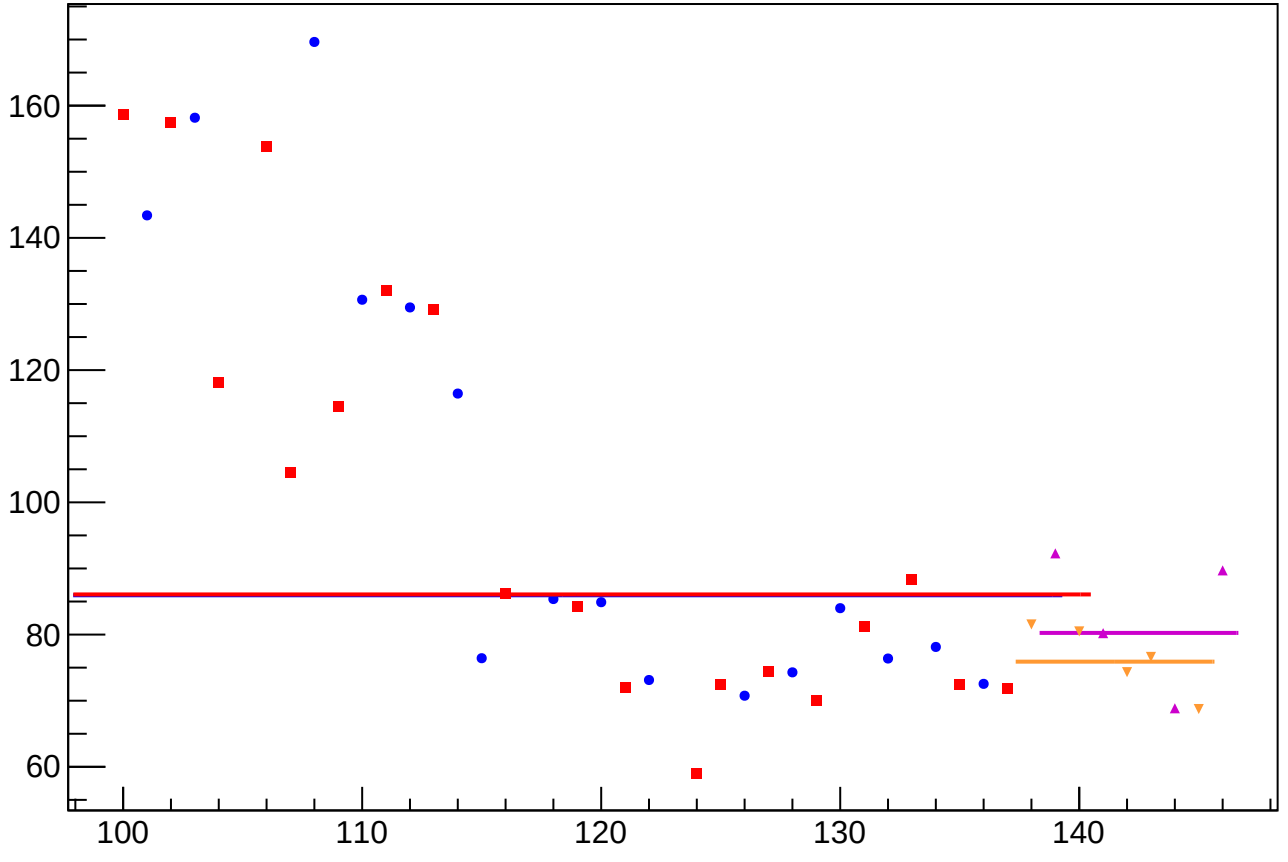
Left In: 0.074+/-0.044 χ^2/NDF:7.3/3

+ sign -0.030+/-0.026 χ^2/NDF: 18.2/20

All: 0.007+/-0.018 χ^2/NDF: 48.4/43

- sign 0.046+/-0.026 χ^2/NDF: 26.0/22

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: 75.906+/-0.028 χ^2/NDF:30801.1/4

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

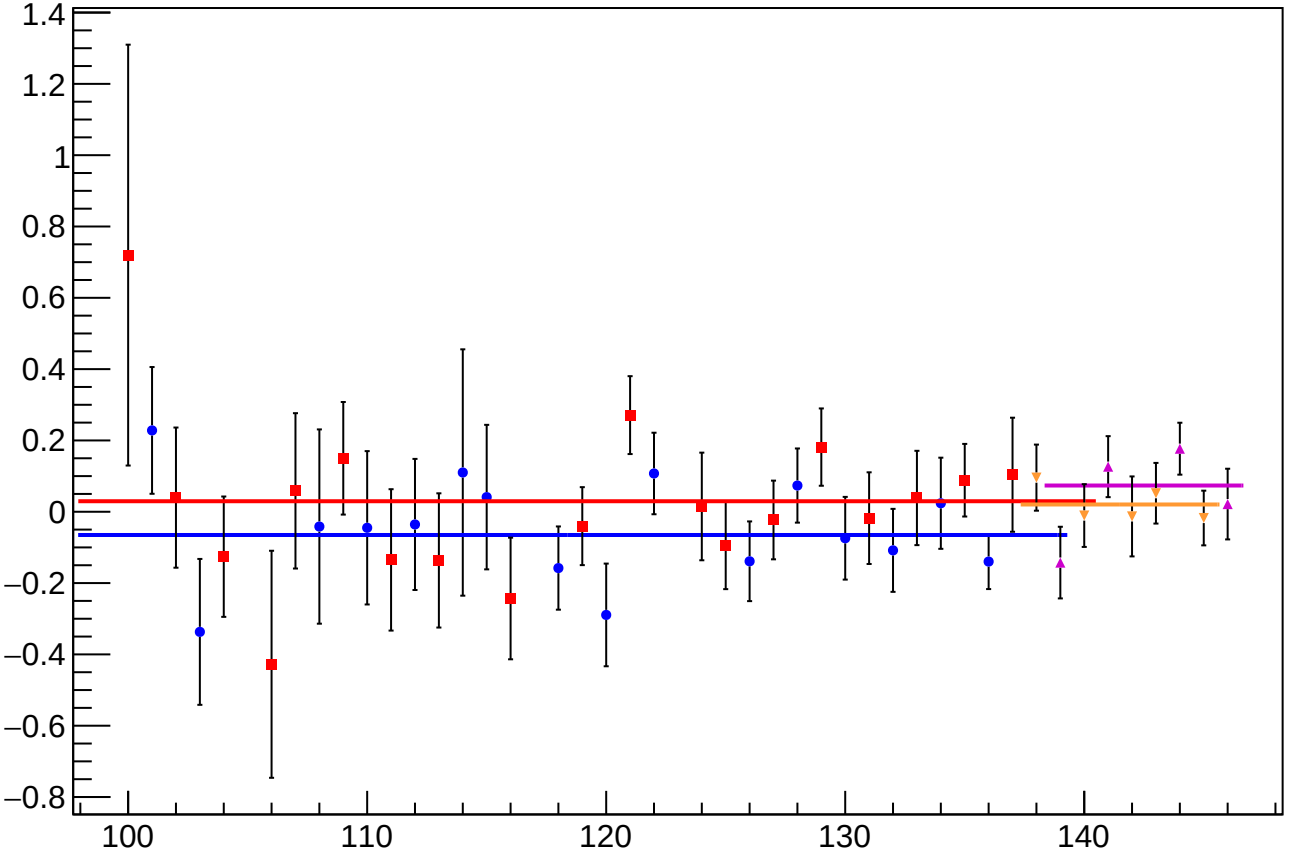
Left In: 80.253+/-0.031 χ^2/NDF:95900.6/3

+ sign 81.802+/-0.018 χ^2/NDF: 1140792.6/20

All: 82.847+/-0.013 χ^2/NDF: 2257646.8/43

- sign 83.956+/-0.019 χ^2/NDF: 1109946.6/22

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: 0.020+/-0.040 χ^2/NDF:1.3/4

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

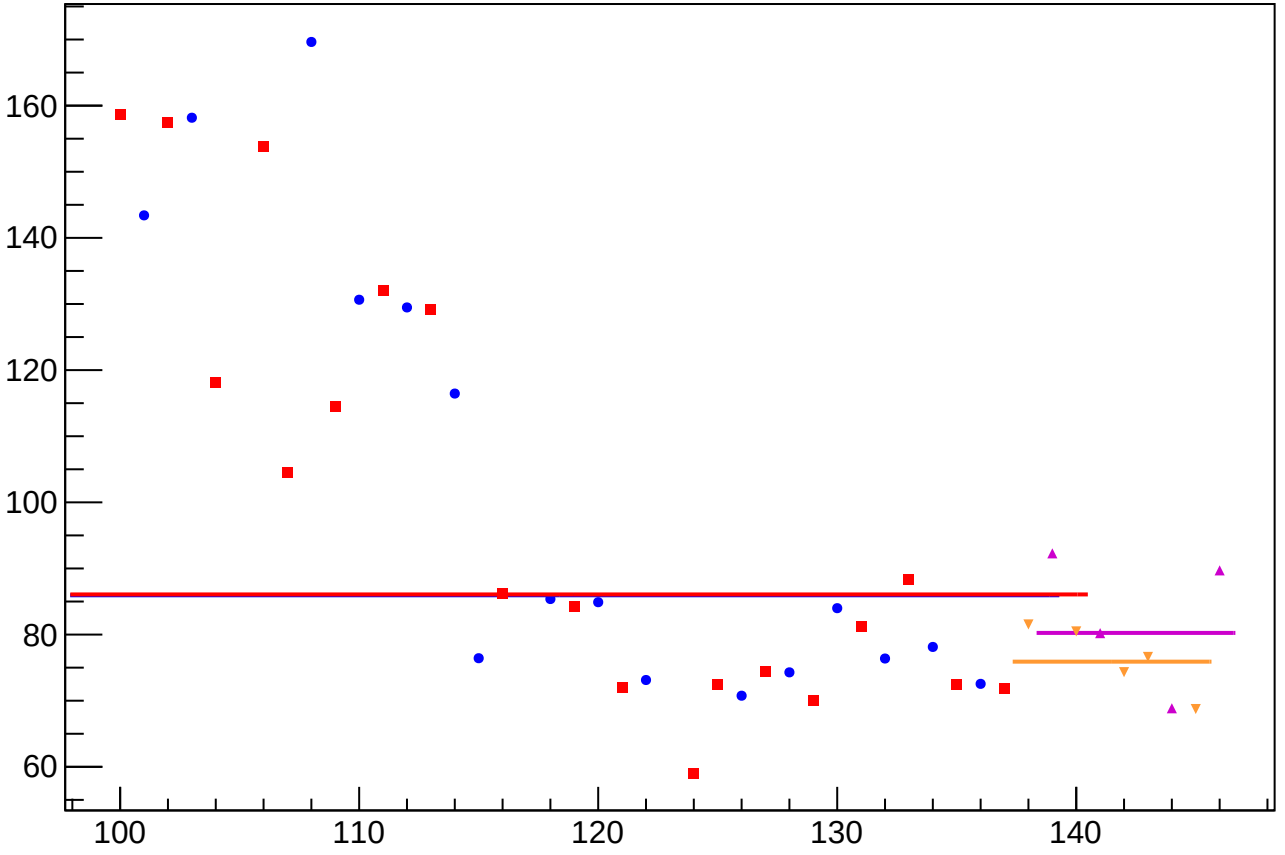
Left In: 0.074+/-0.044 χ^2/NDF:7.3/3

+ sign -0.030+/-0.026 χ^2/NDF: 18.2/20

All: 0.007+/-0.018 χ^2/NDF: 48.4/43

- sign 0.046+/-0.026 χ^2/NDF: 26.0/22

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 75.906+/-0.028 χ^2/NDF:30801.1/4

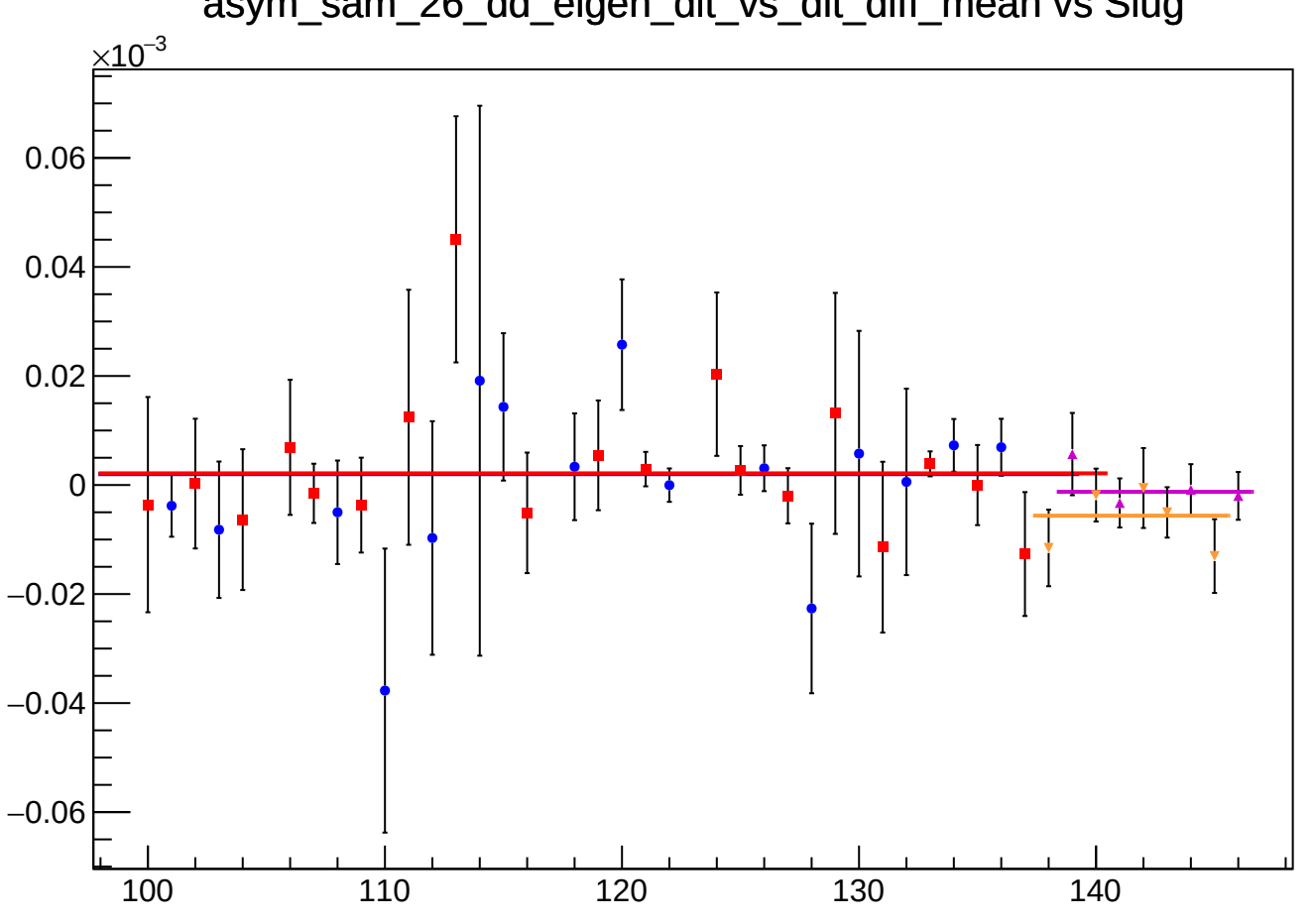
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.253+/-0.031 χ^2/NDF:95900.6/3

+ sign 81.802+/-0.018 χ^2/NDF: 1140792.6/20

All: 82.847+/-0.013 χ^2/NDF: 2257646.8/43

- sign 83.956+/-0.019 χ^2/NDF: 1109946.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/4

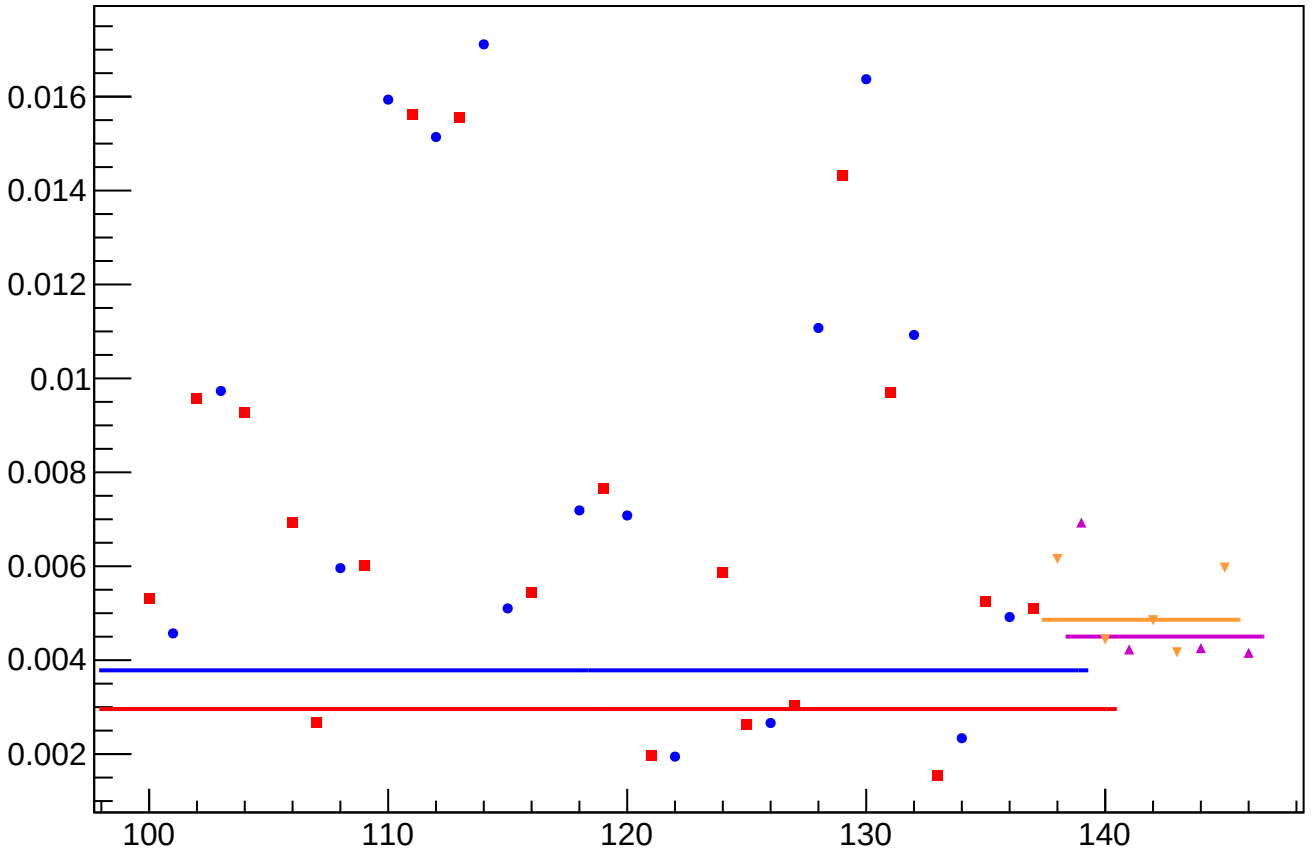
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/20

All: 0.000+/-0.000 χ^2/NDF: 38.7/43

- sign 0.000+/-0.000 χ^2/NDF: 14.0/22



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:181950.6/4

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

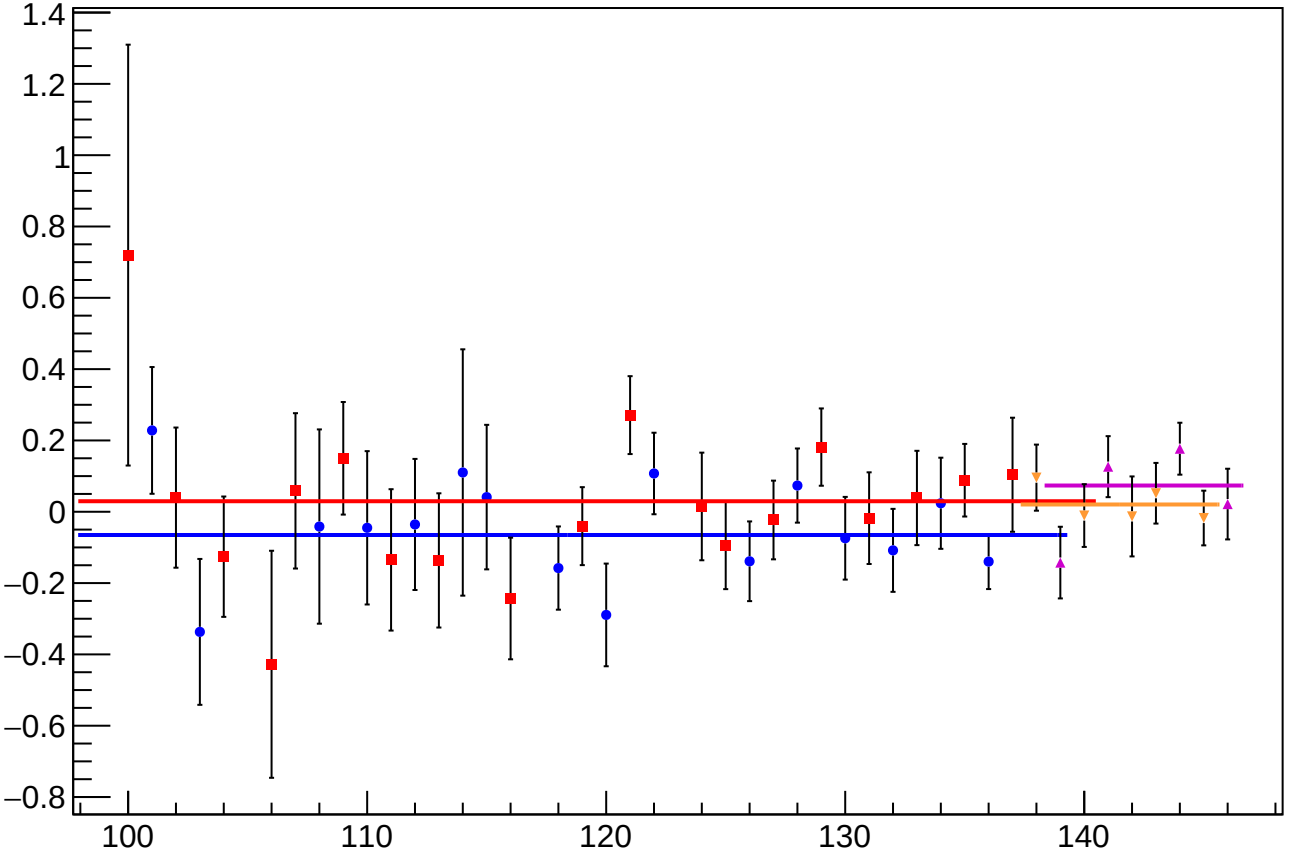
Left In: 0.005+/-0.000 χ^2/NDF:232413.3/3

+ sign 0.004+/-0.000 χ^2/NDF: 5115229.8/20

All: 0.004+/-0.000 χ^2/NDF: 11832493.7/43

- sign 0.003+/-0.000 χ^2/NDF: 6372344.8/22

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: 0.020+/-0.040 χ^2/NDF:1.3/4

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

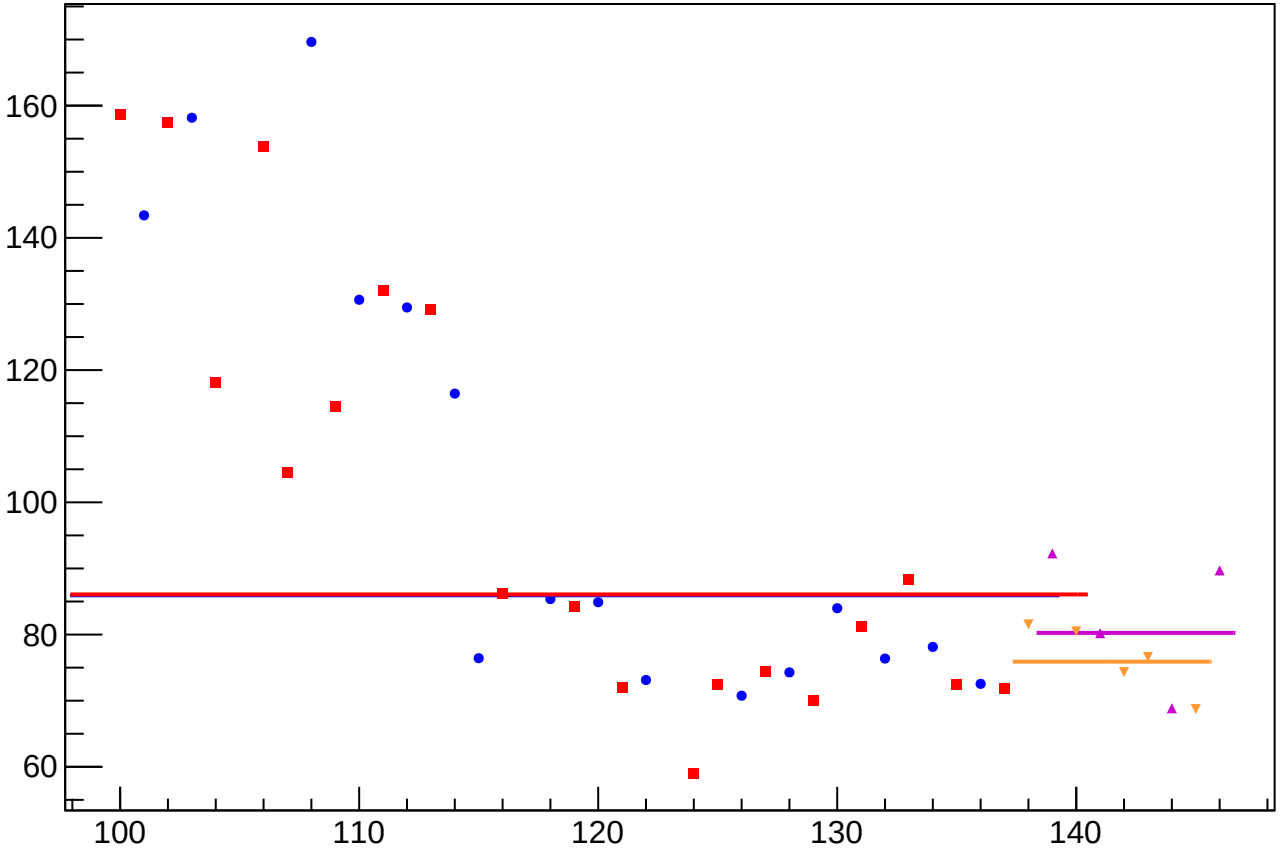
Left In: 0.074+/-0.044 χ^2/NDF:7.3/3

+ sign -0.030+/-0.026 χ^2/NDF: 18.1/20

All: 0.007+/-0.018 χ^2/NDF: 48.4/43

- sign 0.046+/-0.026 χ^2/NDF: 26.0/22

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 75.905+/-0.028 χ^2/NDF:30808.8/4

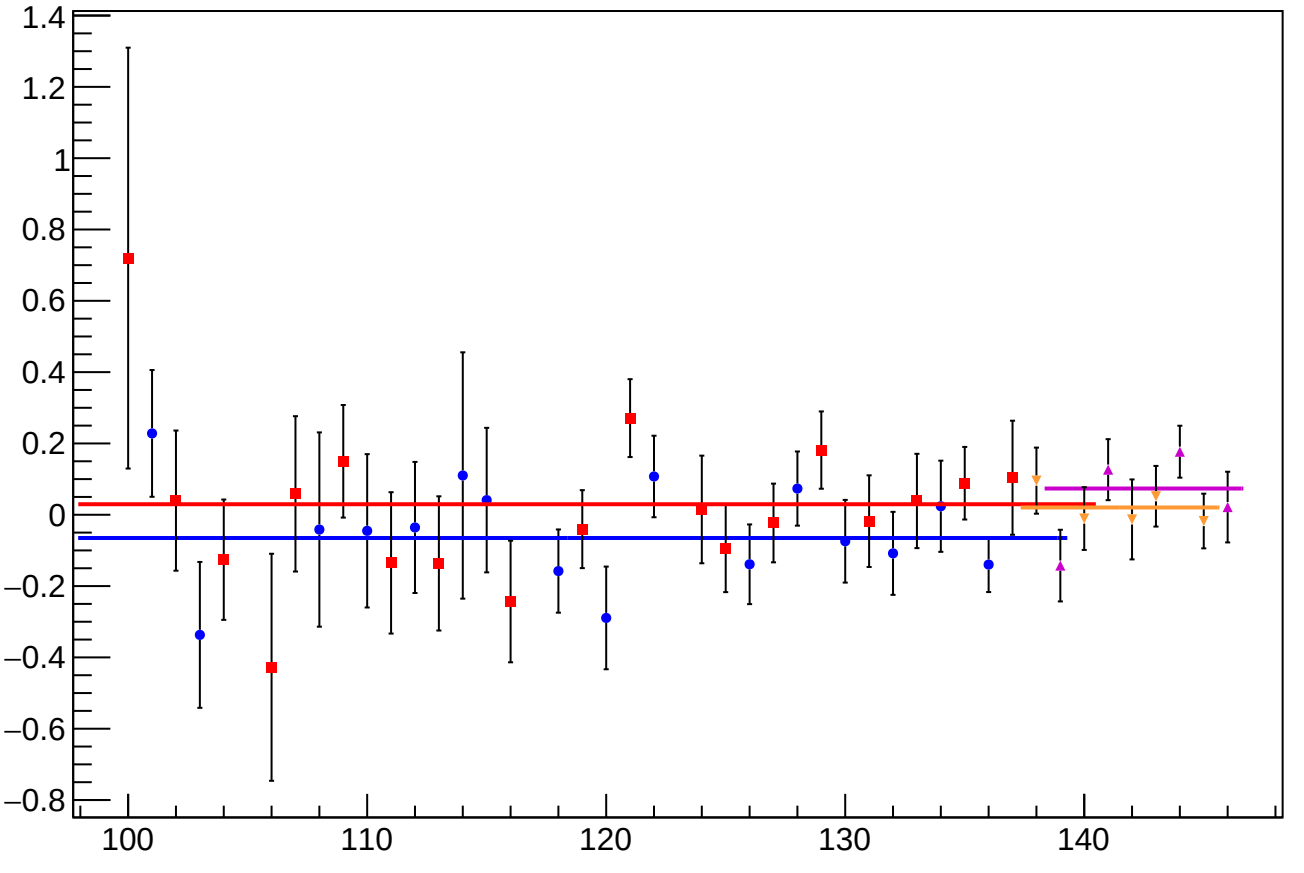
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.252+/-0.031 χ^2/NDF:95894.7/3

+ sign 81.801+/-0.018 χ^2/NDF: 1140762.9/20

All: 82.846+/-0.013 χ^2/NDF: 2257596.2/43

- sign 83.954+/-0.019 χ^2/NDF: 1109924.2/22



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.040 χ^2/NDF:1.3/4

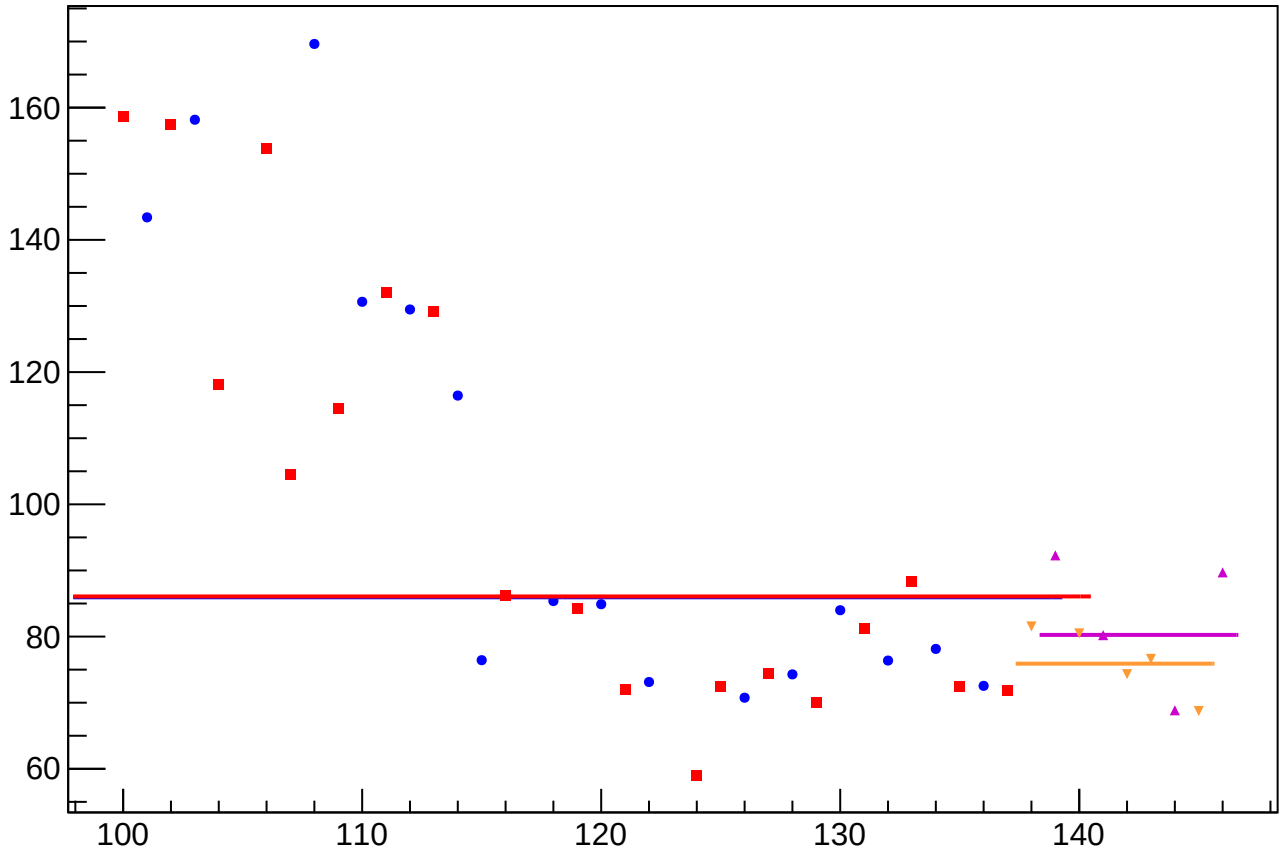
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.074+/-0.044 χ^2/NDF:7.3/3

+ sign -0.030+/-0.026 χ^2/NDF: 18.1/20

All: 0.007+/-0.018 χ^2/NDF: 48.4/43

- sign 0.046+/-0.026 χ^2/NDF: 26.0/22



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 75.905+/-0.028 χ^2/NDF:30808.8/4

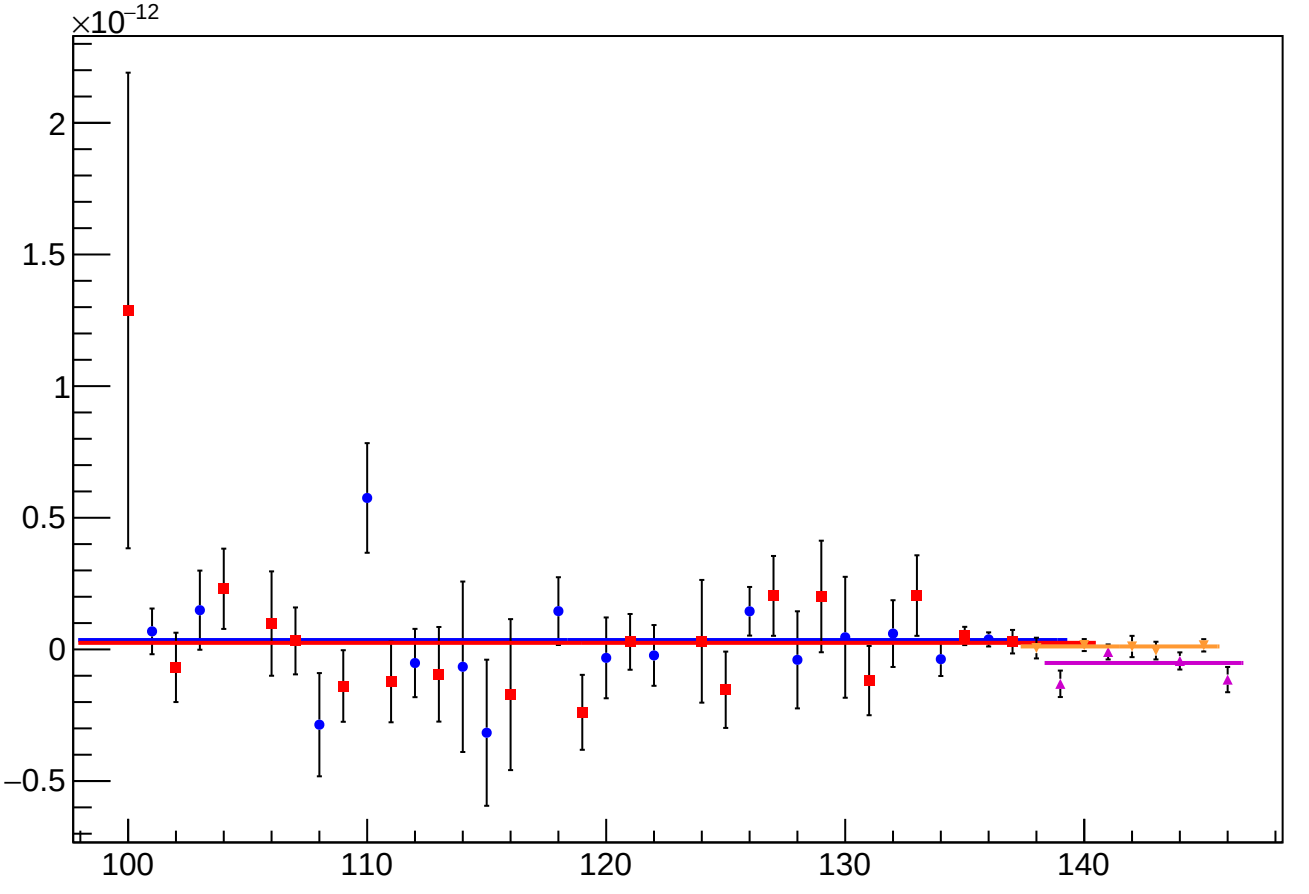
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.252+/-0.031 χ^2/NDF:95894.7/3

+ sign 81.801+/-0.018 χ^2/NDF: 1140762.9/20

All: 82.846+/-0.013 χ^2/NDF: 2257596.2/43

- sign 83.954+/-0.019 χ^2/NDF: 1109924.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/4

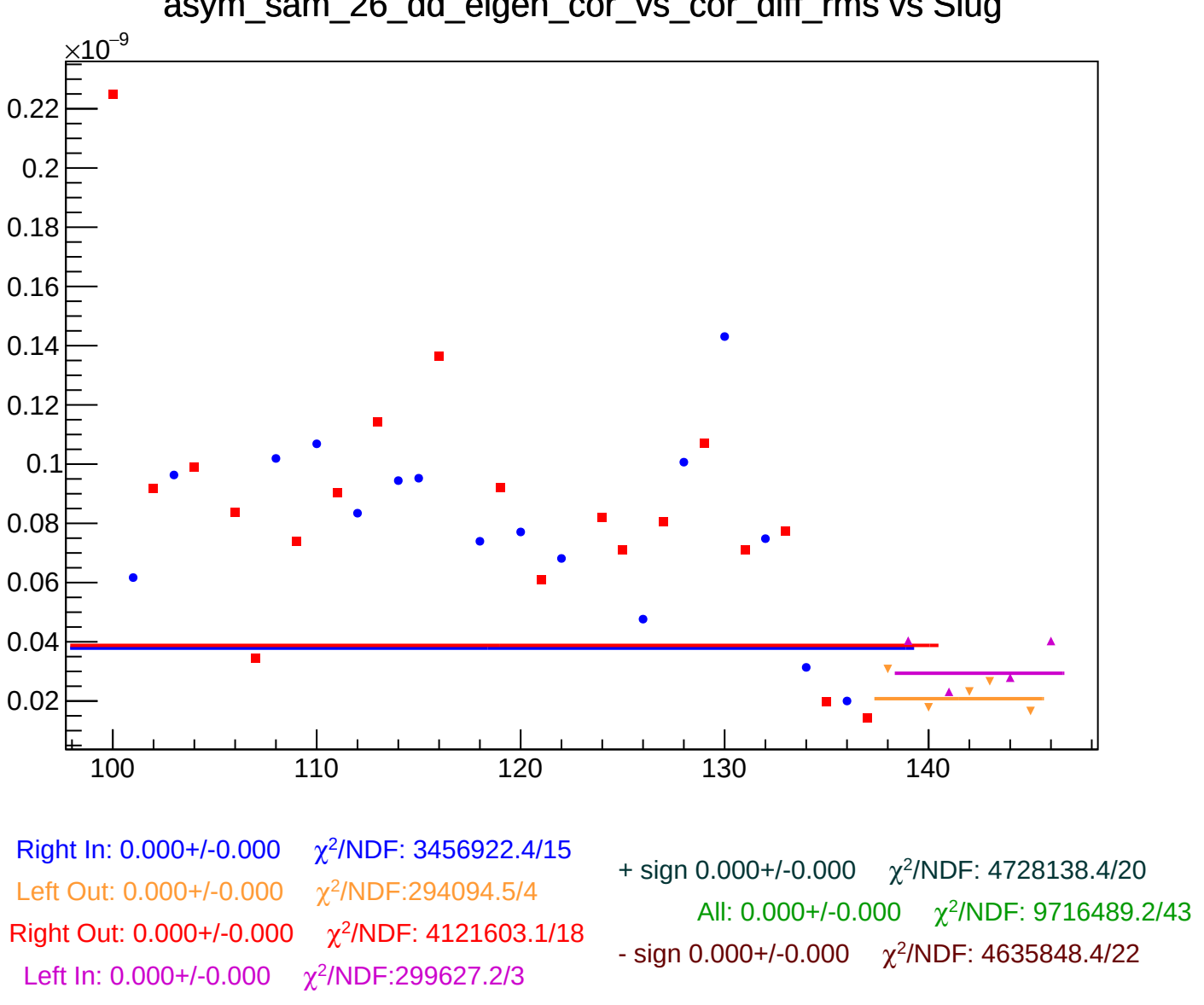
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/3

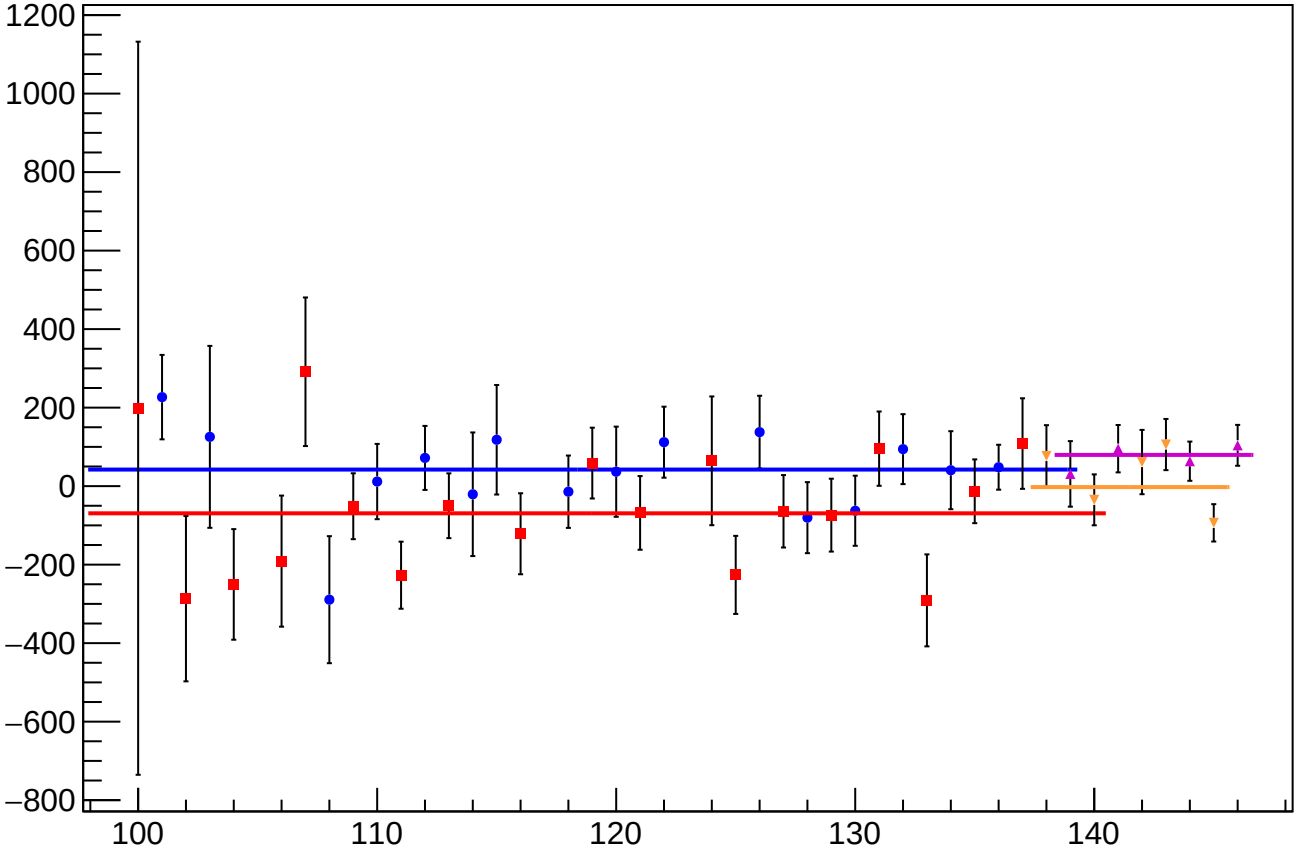
+ sign 0.000+/-0.000 χ^2/NDF: 17.7/20

All: 0.000+/-0.000 χ^2/NDF: 53.8/43

- sign -0.000+/-0.000 χ^2/NDF: 31.4/22


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
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:294094.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:299627.2/3
+ sign 0.000+/-0.000 χ²/NDF: 4728138.4/20
All: 0.000+/-0.000 χ²/NDF: 9716489.2/43
- sign 0.000+/-0.000 χ²/NDF: 4635848.4/22

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -2.503+/-28.560 χ^2/NDF:8.3/4

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

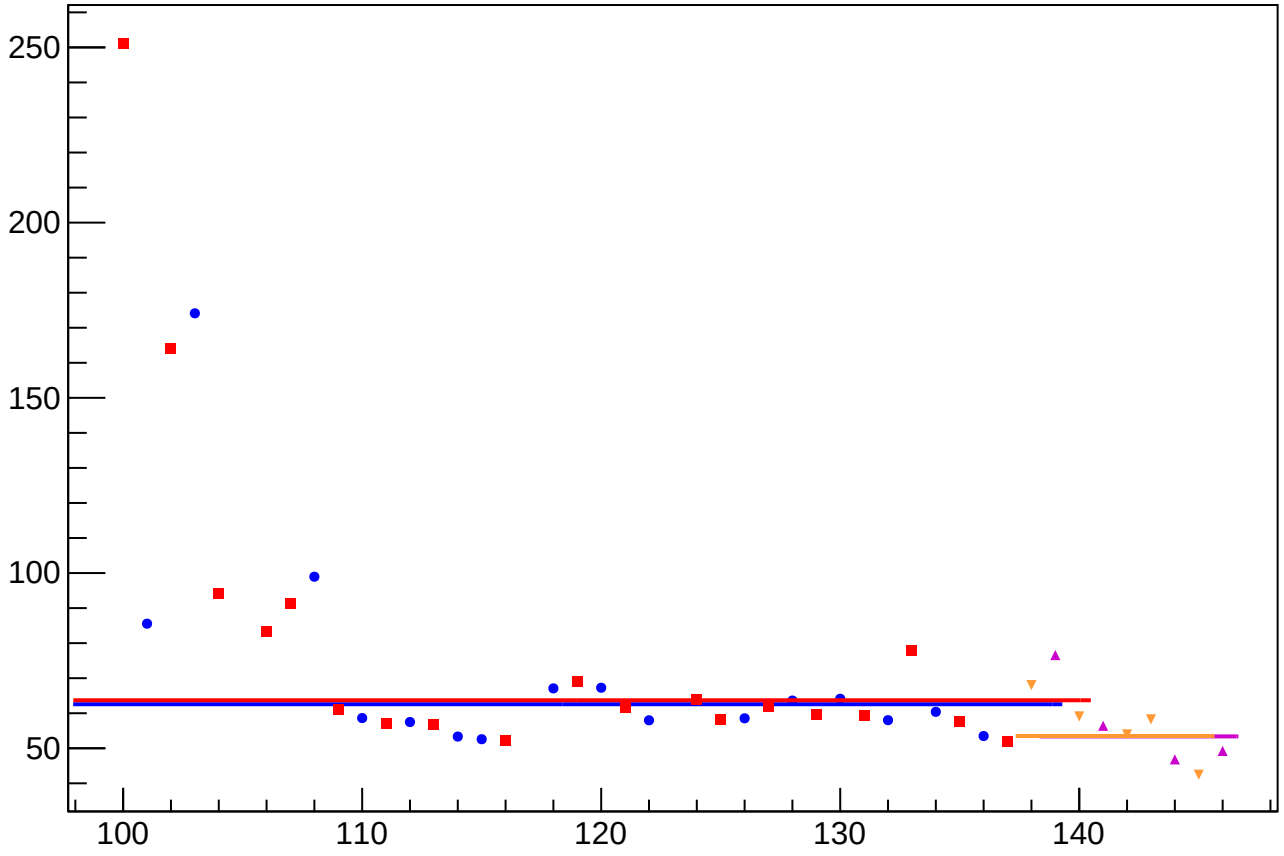
Left In: 79.533+/-29.021 χ^2/NDF:0.7/3

+ sign 23.523+/-18.466 χ^2/NDF: 23.3/20

All: 8.155+/-13.134 χ^2/NDF: 66.2/43

- sign -7.578+/-18.684 χ^2/NDF: 41.5/22

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.501+/-0.020 χ^2/NDF:201634.2/4

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

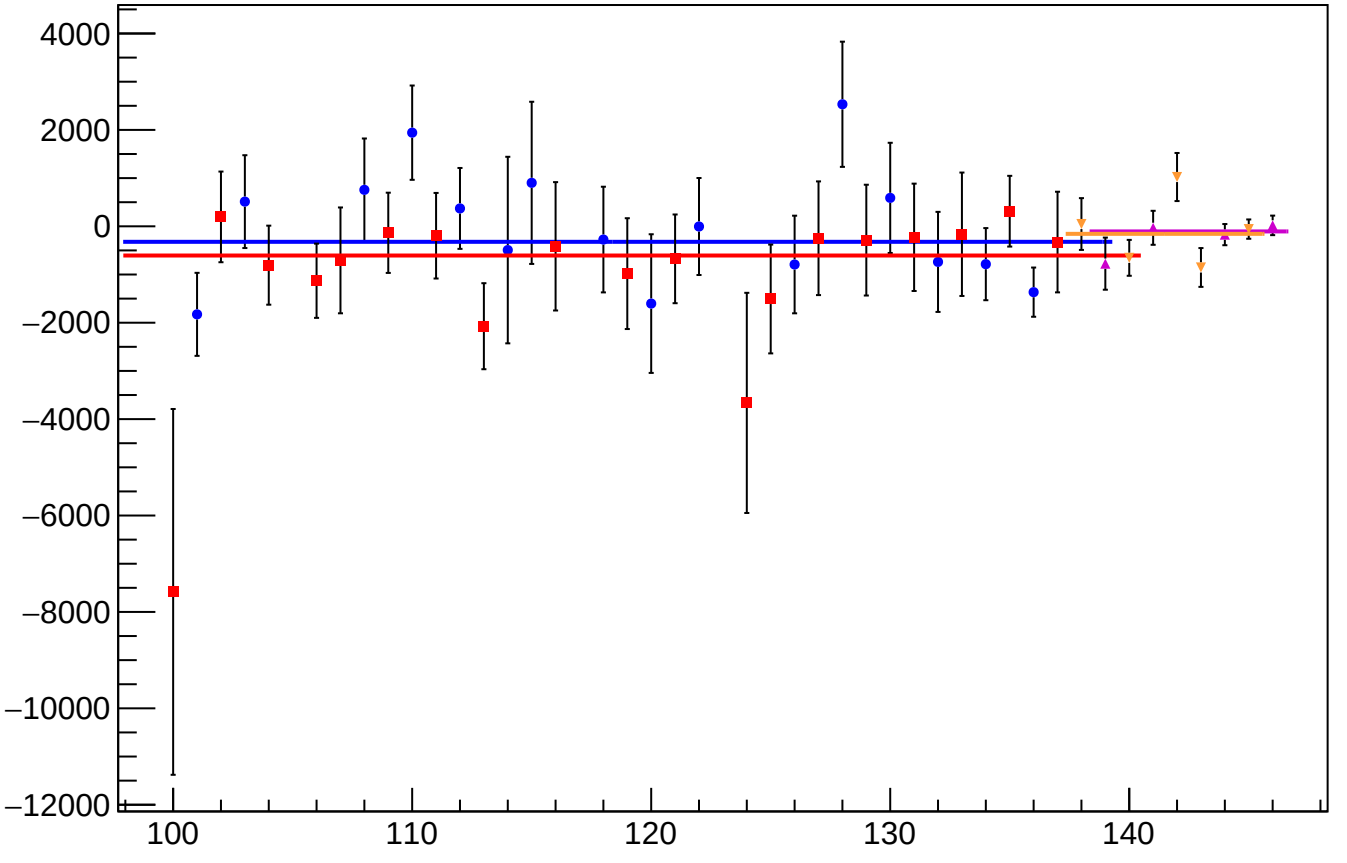
Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

+ sign 58.776+/-0.013 χ^2/NDF: 1077478.3/20

All: 59.097+/-0.009 χ^2/NDF: 2267469.6/43

- sign 59.425+/-0.013 χ^2/NDF: 1188771.5/22

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -156.279+/-147.778 χ^2/NDF:10.8/4

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

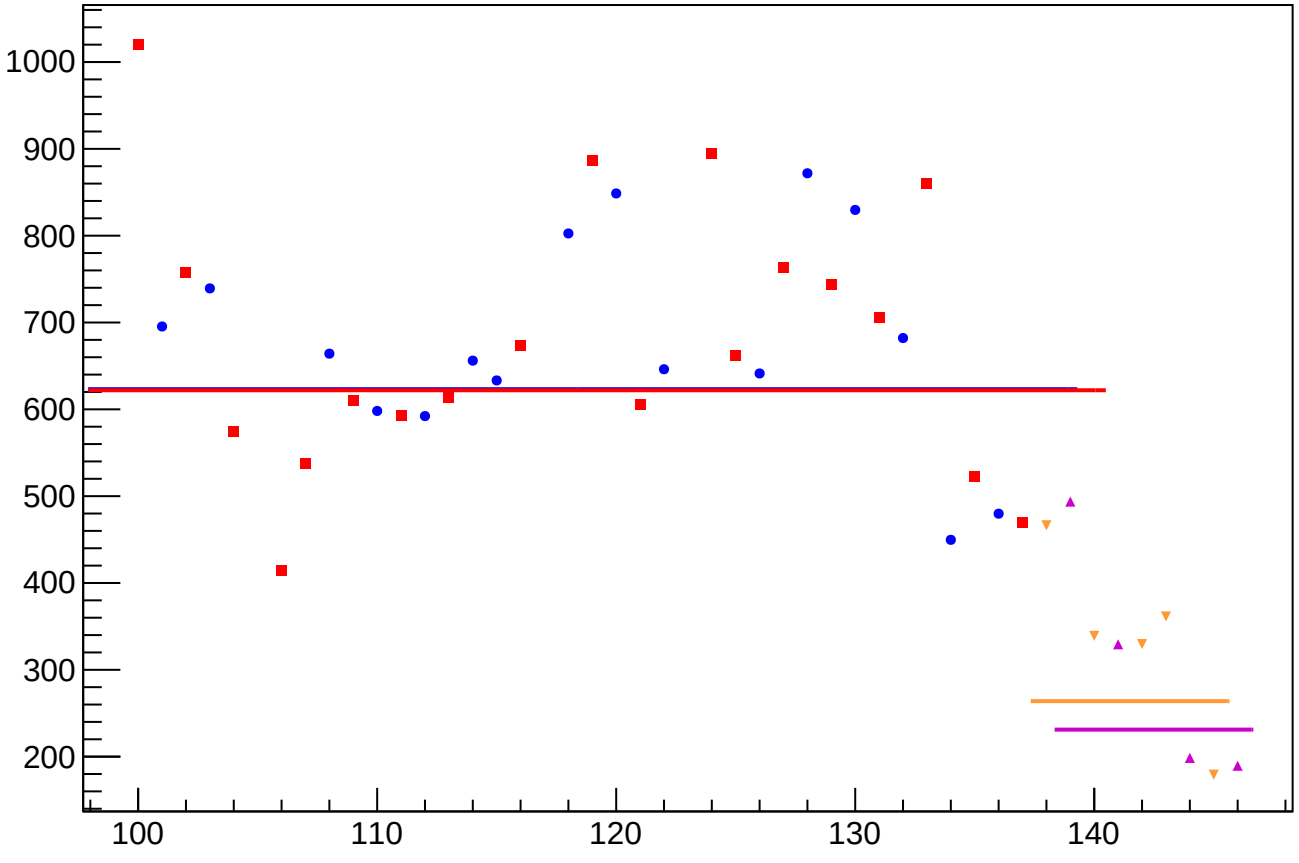
Left In: -106.110+/-132.960 χ^2/NDF:2.1/3

+ sign -202.164+/-125.616 χ^2/NDF: 33.8/20

All: -216.353+/-85.046 χ^2/NDF: 51.8/43

- sign -228.360+/-115.558 χ^2/NDF: 18.0/22

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 263.911+/-0.104 χ^2/NDF:875266.6/4

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

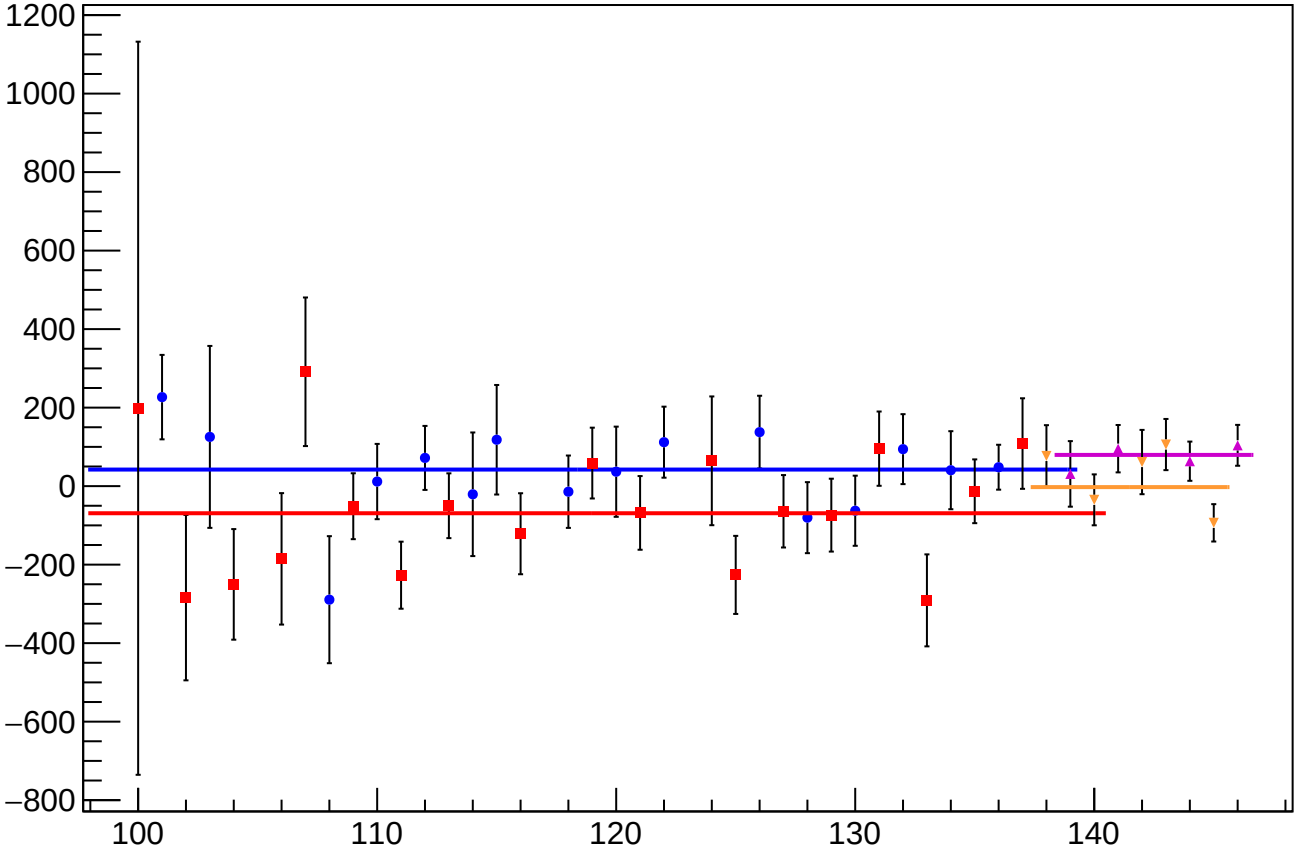
Left In: 231.134+/-0.094 χ^2/NDF:755644.4/3

+ sign 363.589+/-0.089 χ^2/NDF: 4720451.6/20

All: 343.632+/-0.060 χ^2/NDF: 10379438.6/43

- sign 326.743+/-0.082 χ^2/NDF: 5565780.9/22

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -2.498+/-28.560 χ^2/NDF:8.3/4

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

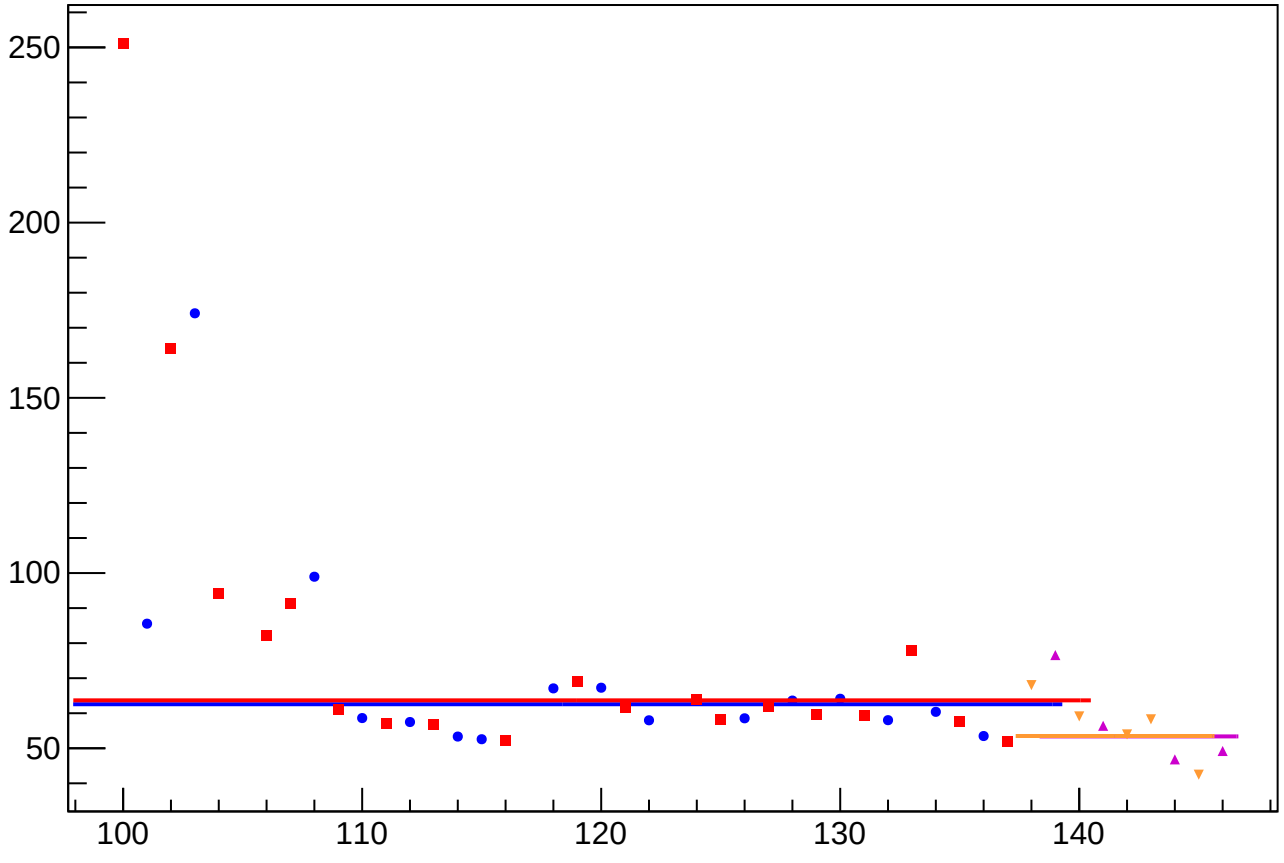
Left In: 79.531+/-29.021 χ^2/NDF:0.7/3

+ sign 23.521+/-18.466 χ^2/NDF: 23.3/20

All: 8.209+/-13.134 χ^2/NDF: 66.0/43

- sign -7.468+/-18.685 χ^2/NDF: 41.4/22

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.501+/-0.020 χ^2/NDF:201634.2/4

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

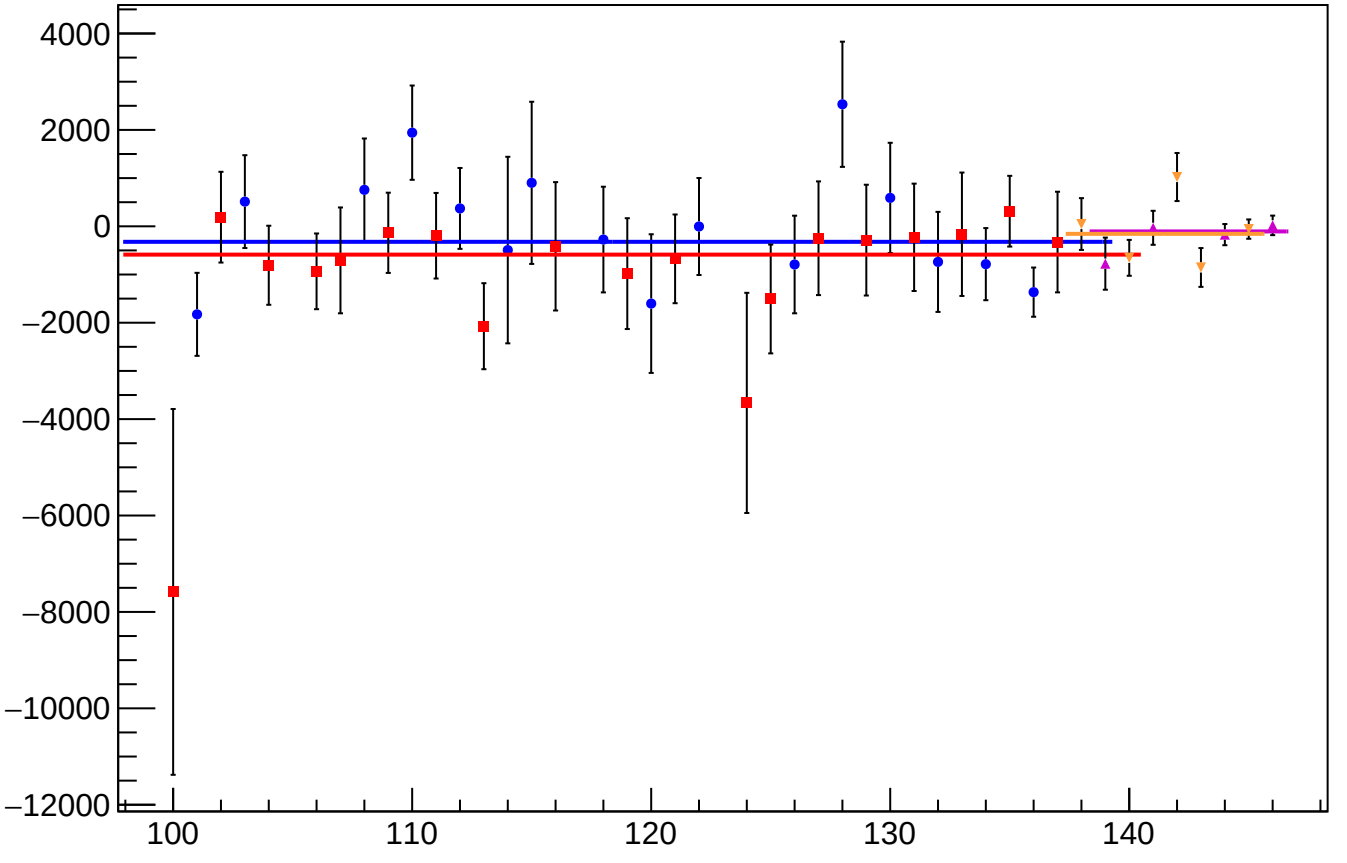
Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

+ sign 58.776+/-0.013 χ^2/NDF: 1077480.3/20

All: 59.089+/-0.009 χ^2/NDF: 2263971.5/43

- sign 59.410+/-0.013 χ^2/NDF: 1185325.0/22

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -156.276+/-147.778 χ^2/NDF:10.8/4

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

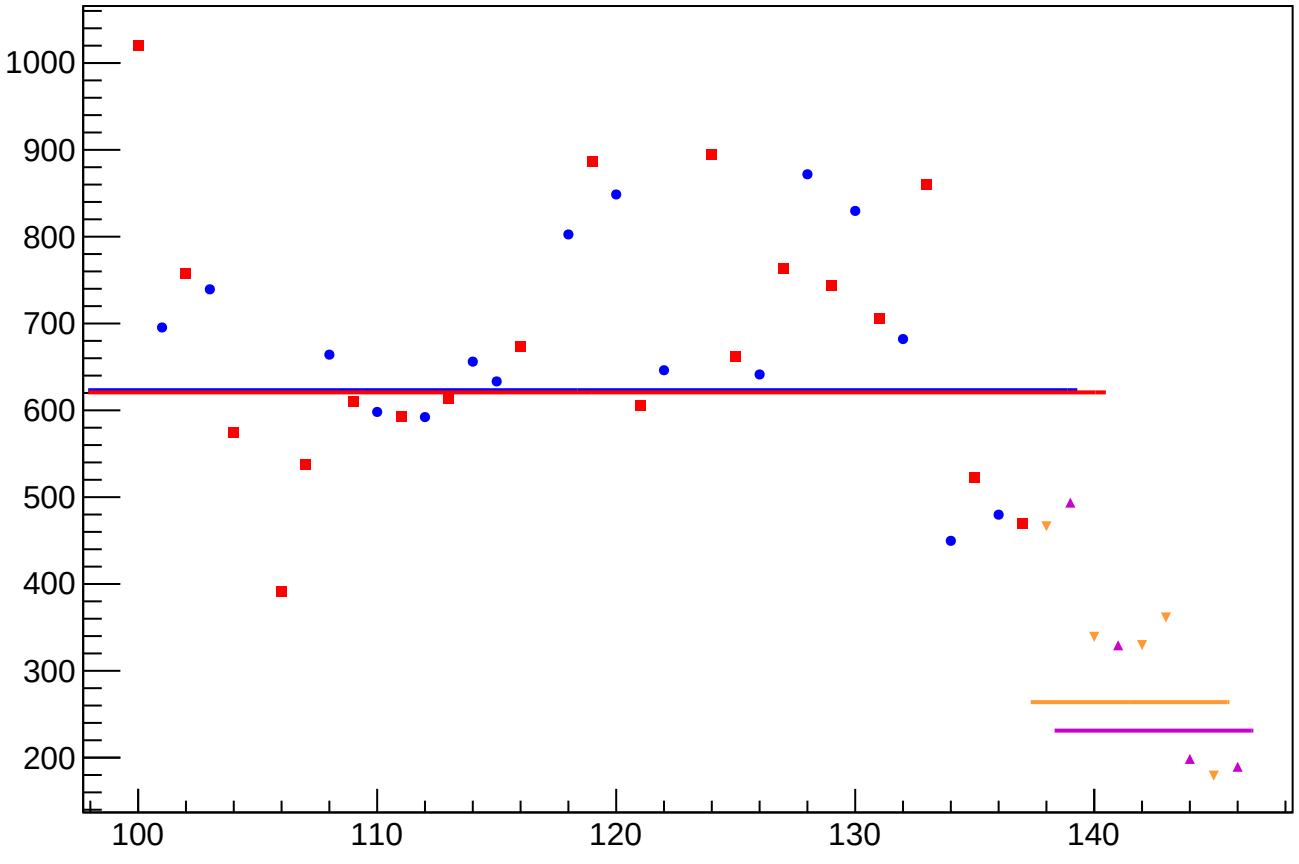
Left In: -106.115+/-132.960 χ^2/NDF:2.1/3

+ sign -202.161+/-125.616 χ^2/NDF: 33.8/20

All: -213.700+/-85.067 χ^2/NDF: 51.3/43

- sign -223.474+/-115.611 χ^2/NDF: 17.4/22

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 263.911+/-0.104 χ^2/NDF:875270.5/4

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

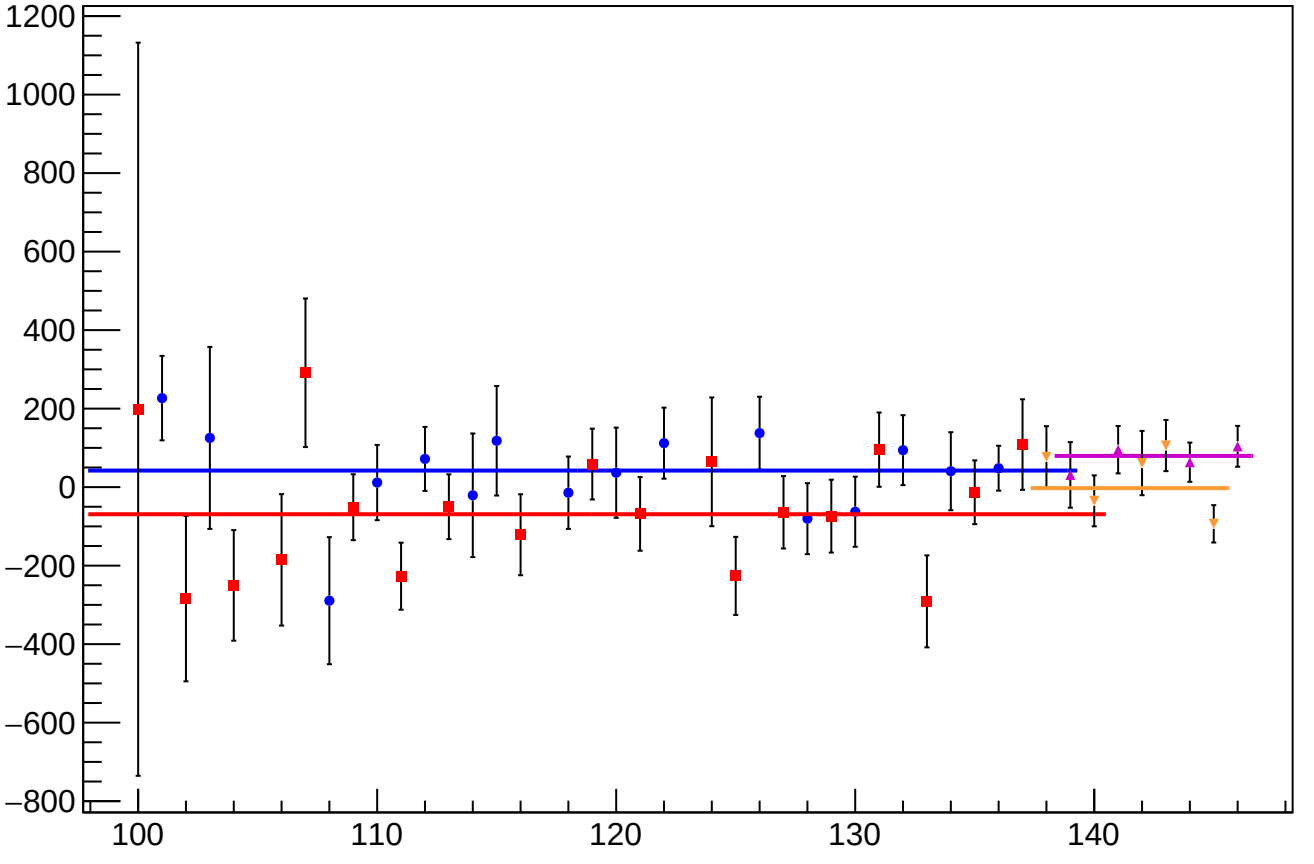
Left In: 231.133+/-0.094 χ^2/NDF:755647.5/3

+ sign 363.589+/-0.089 χ^2/NDF: 4720520.7/20

All: 343.322+/-0.060 χ^2/NDF: 10370448.6/43

- sign 326.155+/-0.082 χ^2/NDF: 5553769.3/22

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -2.498+/-28.560 χ^2/NDF:8.3/4

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

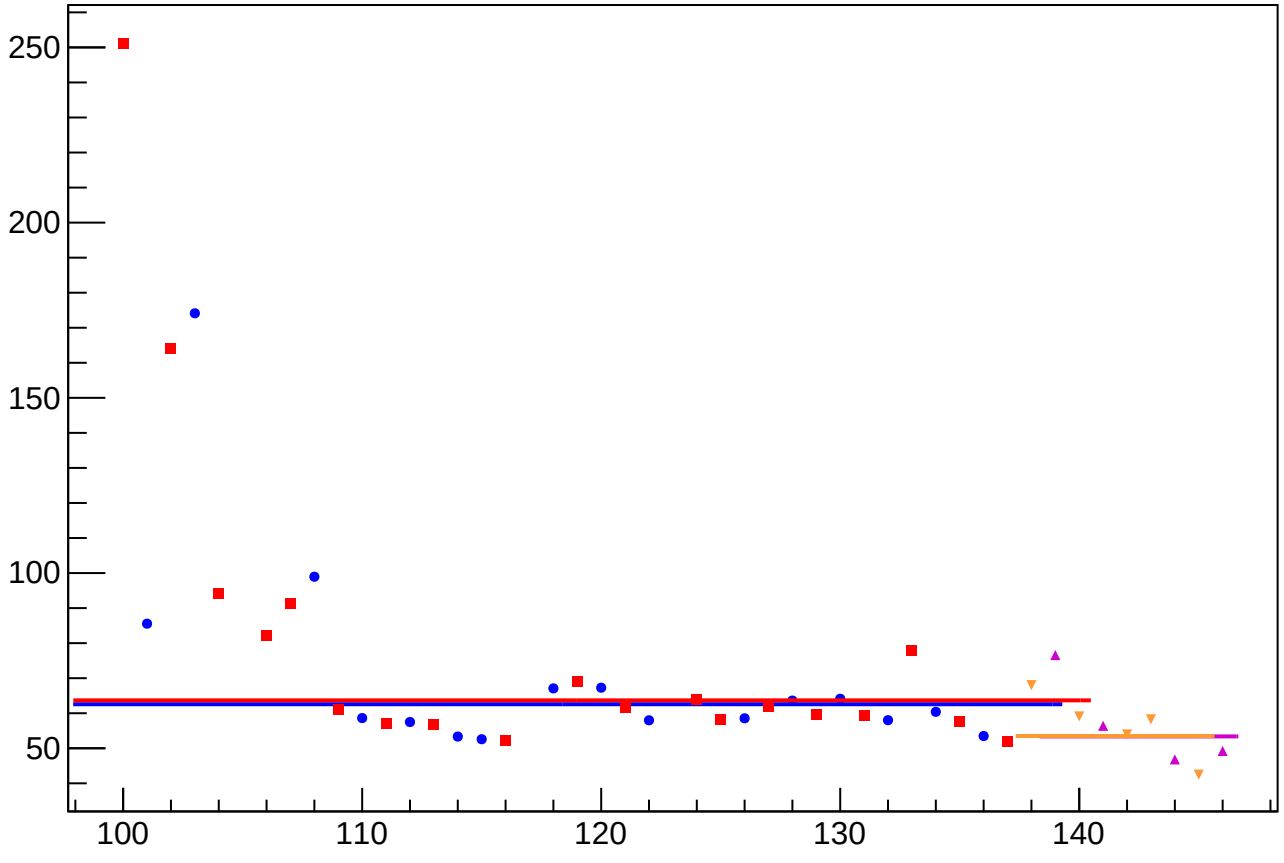
Left In: 79.531+/-29.021 χ^2/NDF:0.7/3

+ sign 23.521+/-18.466 χ^2/NDF: 23.3/20

All: 8.209+/-13.134 χ^2/NDF: 66.0/43

- sign -7.468+/-18.685 χ^2/NDF: 41.4/22

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.501+/-0.020 χ^2/NDF:201634.2/4

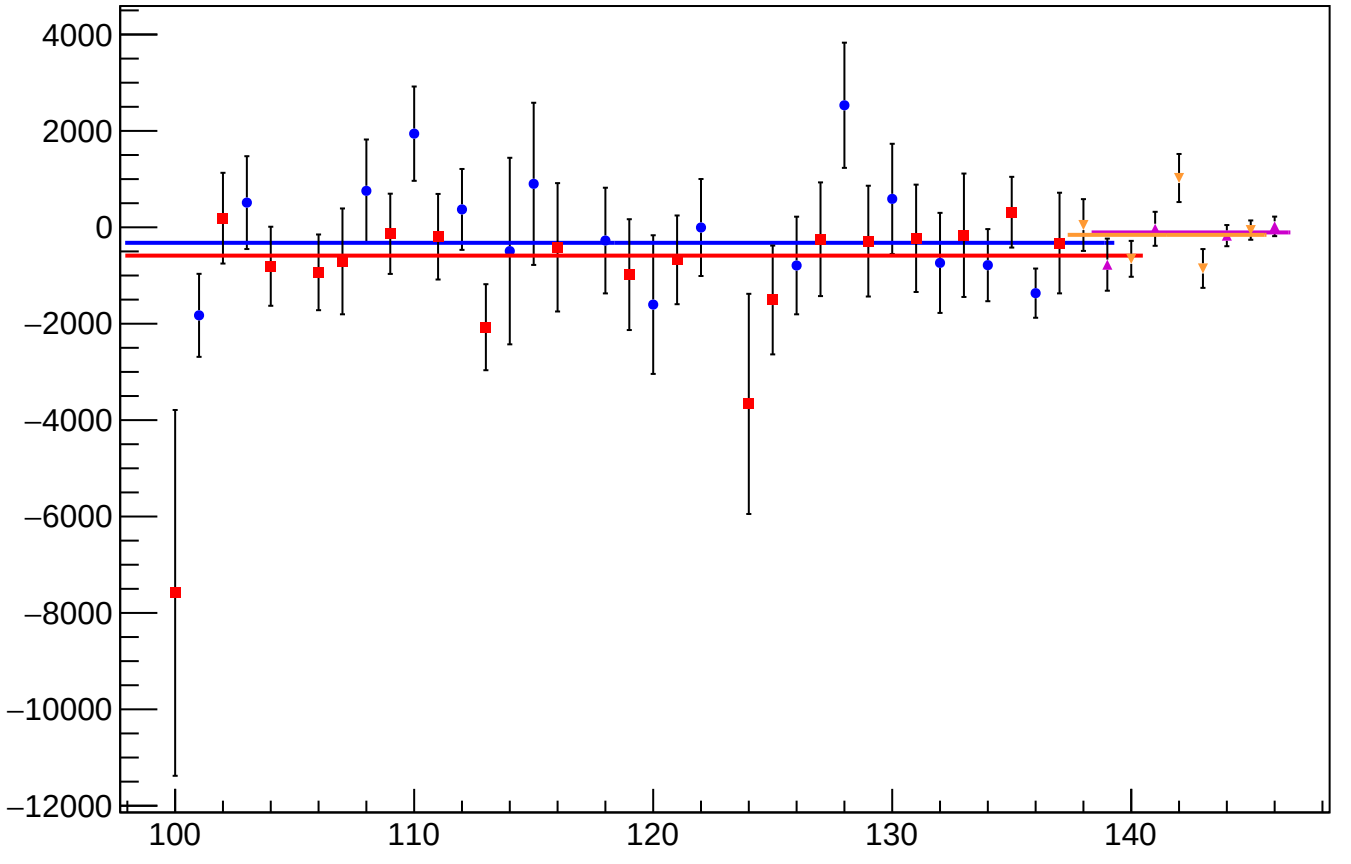
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

+ sign 58.776+/-0.013 χ^2/NDF: 1077480.3/20

All: 59.089+/-0.009 χ^2/NDF: 2263971.5/43

- sign 59.410+/-0.013 χ^2/NDF: 1185325.0/22



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -156.276+/-147.778 χ^2/NDF:10.8/4

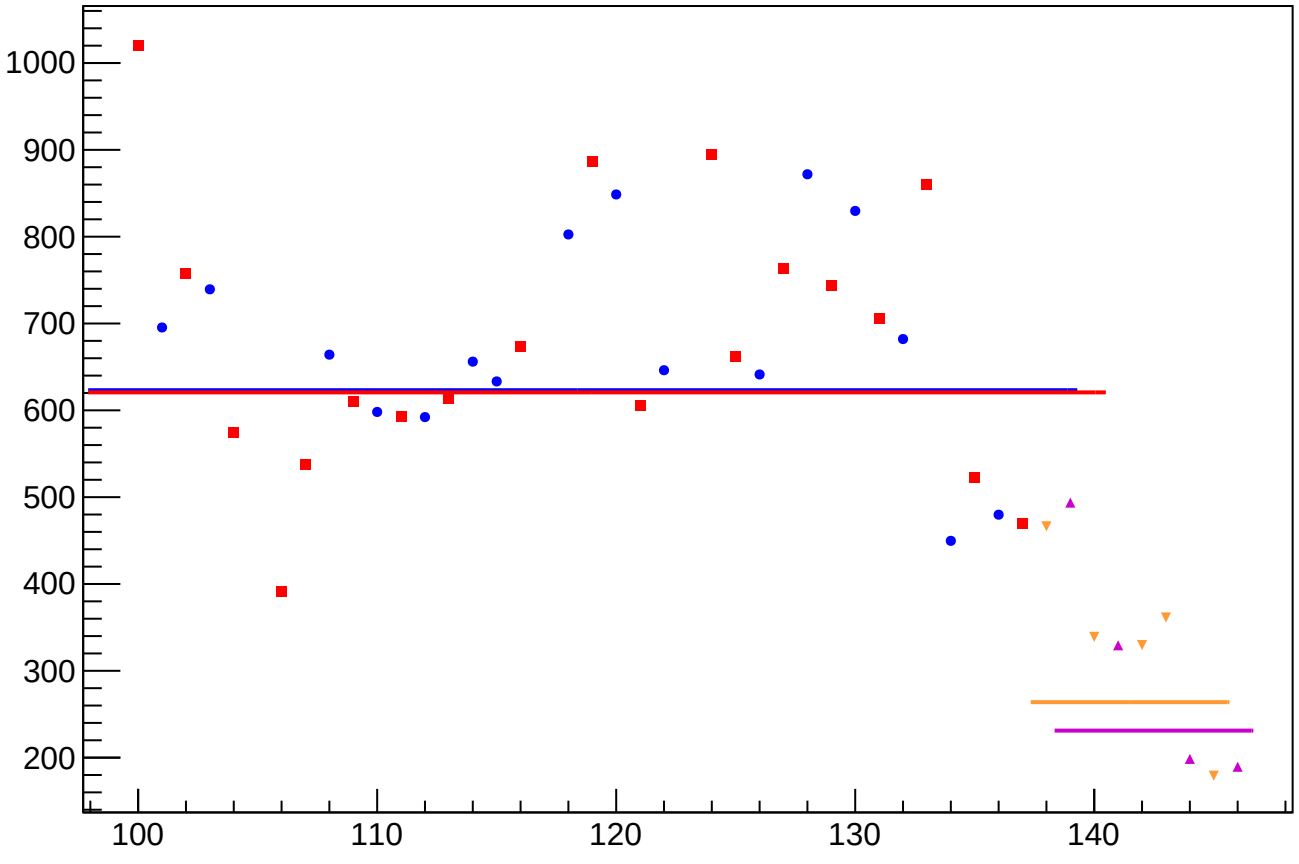
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -106.115+/-132.960 χ^2/NDF:2.1/3

+ sign -202.161+/-125.616 χ^2/NDF: 33.8/20

All: -213.700+/-85.067 χ^2/NDF: 51.3/43

- sign -223.474+/-115.611 χ^2/NDF: 17.4/22



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 263.911+/-0.104 χ^2/NDF:875270.5/4

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

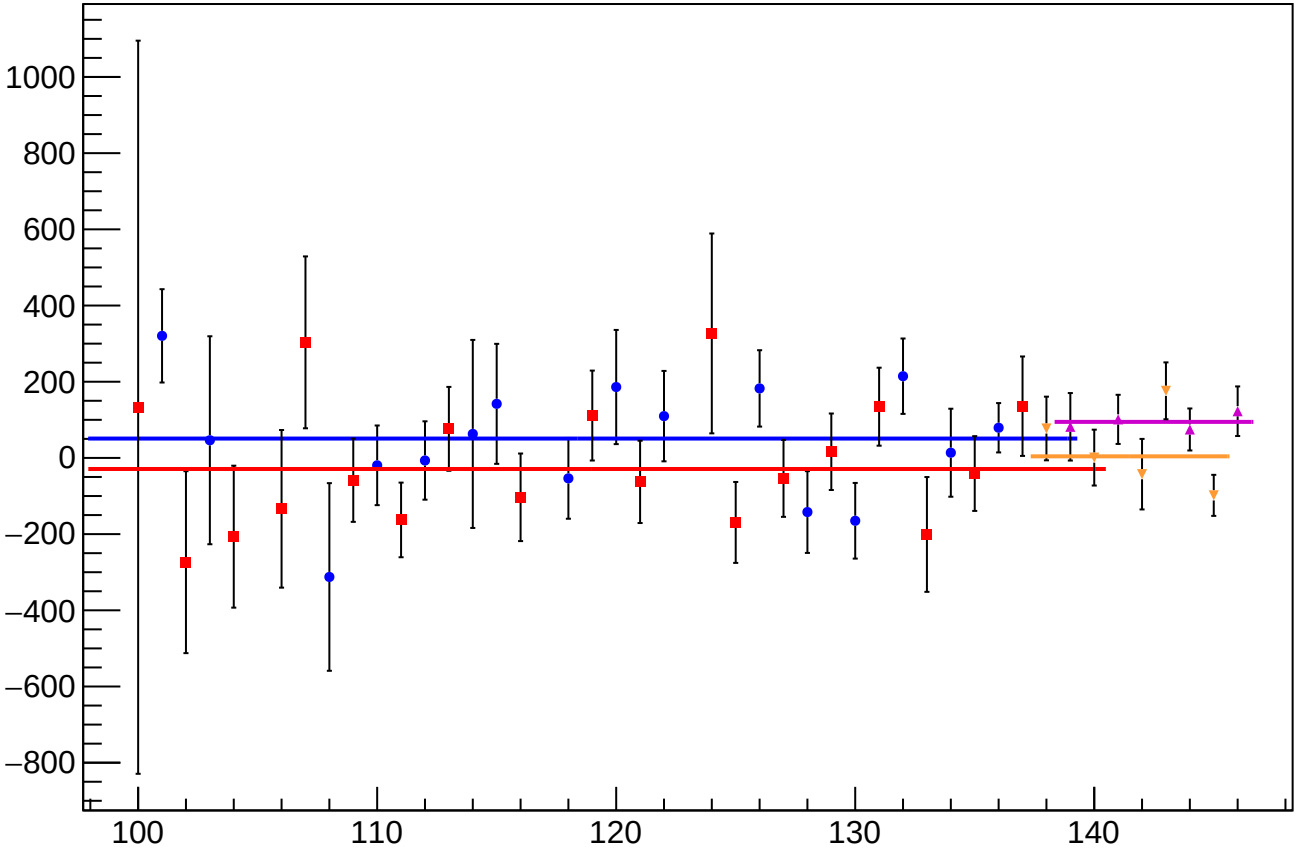
Left In: 231.133+/-0.094 χ^2/NDF:755647.5/3

+ sign 363.589+/-0.089 χ^2/NDF: 4720520.7/20

All: 343.322+/-0.060 χ^2/NDF: 10370448.6/43

- sign 326.155+/-0.082 χ^2/NDF: 5553769.3/22

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 4.138+/-32.108 χ^2/NDF:9.9/4

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

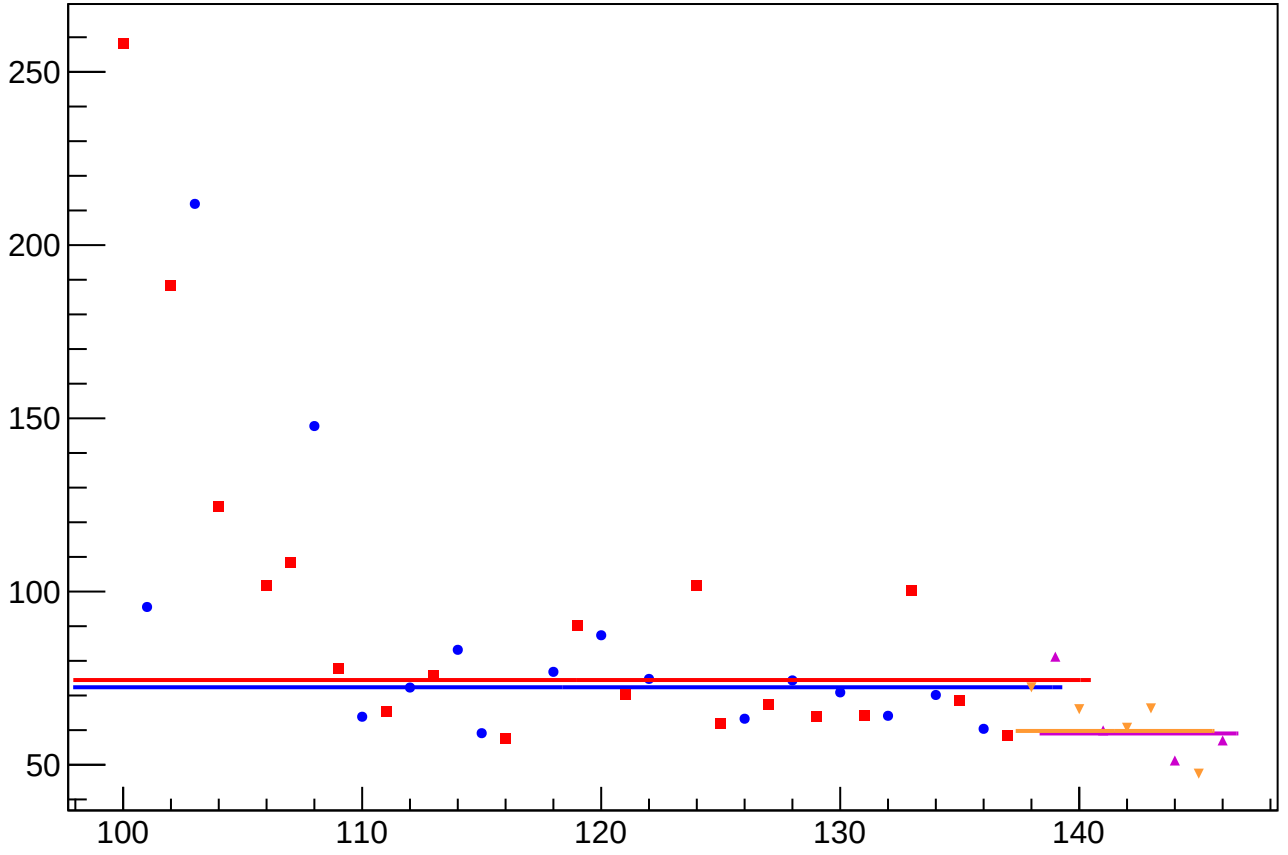
Left In: 94.597+/-32.736 χ^2/NDF:0.3/3

+ sign 30.409+/-21.237 χ^2/NDF: 34.0/20

All: 27.824+/-15.168 χ^2/NDF: 60.9/43

- sign 25.134+/-21.669 χ^2/NDF: 26.9/22

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 59.766+/-0.023 χ^2/NDF:180277.4/4

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

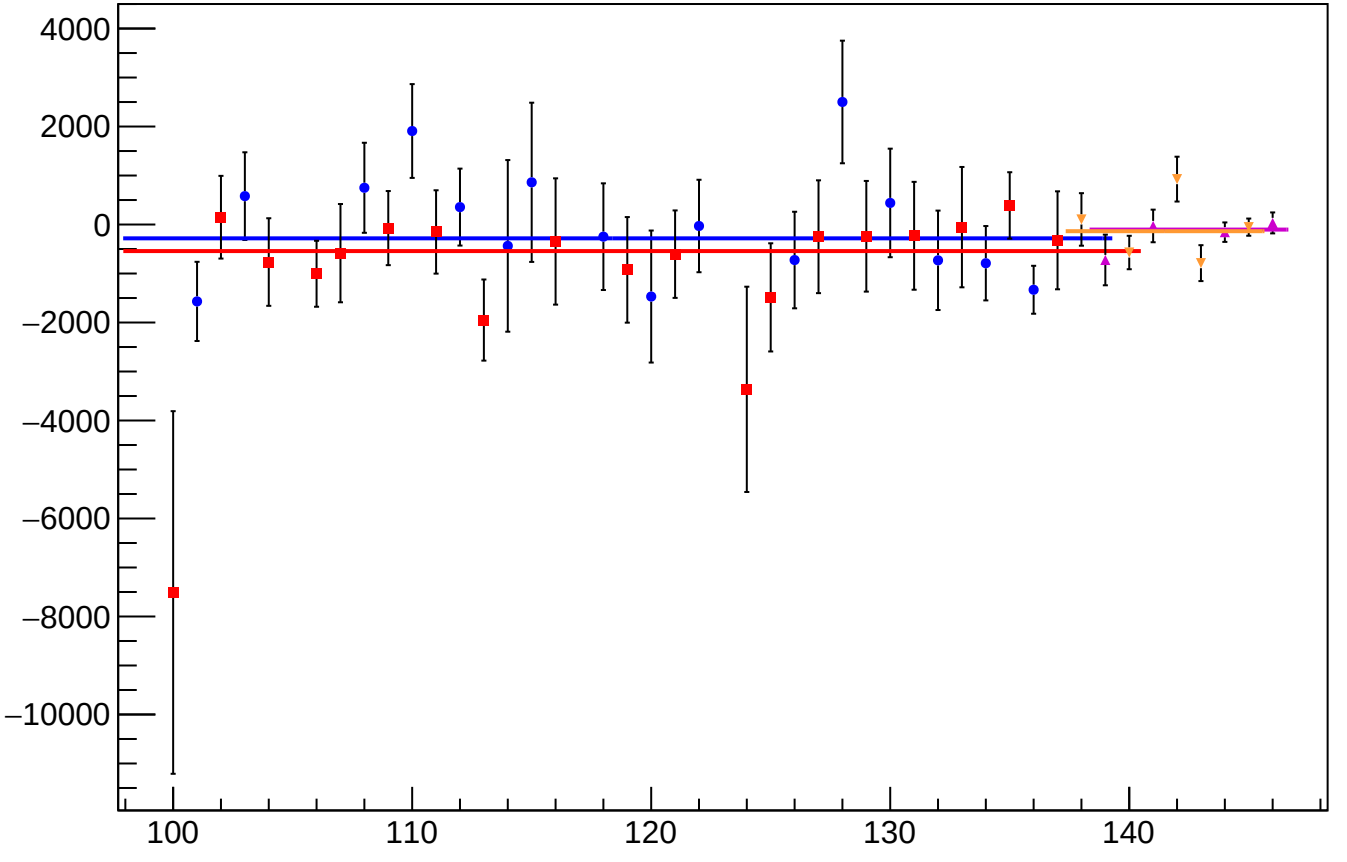
Left In: 59.040+/-0.023 χ^2/NDF:167626.2/3

+ sign 66.860+/-0.015 χ^2/NDF: 1292030.6/20

All: 67.274+/-0.011 χ^2/NDF: 2762938.1/43

- sign 67.705+/-0.015 χ^2/NDF: 1469355.8/22

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -136.134+/-132.713 χ^2/NDF:10.6/4

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

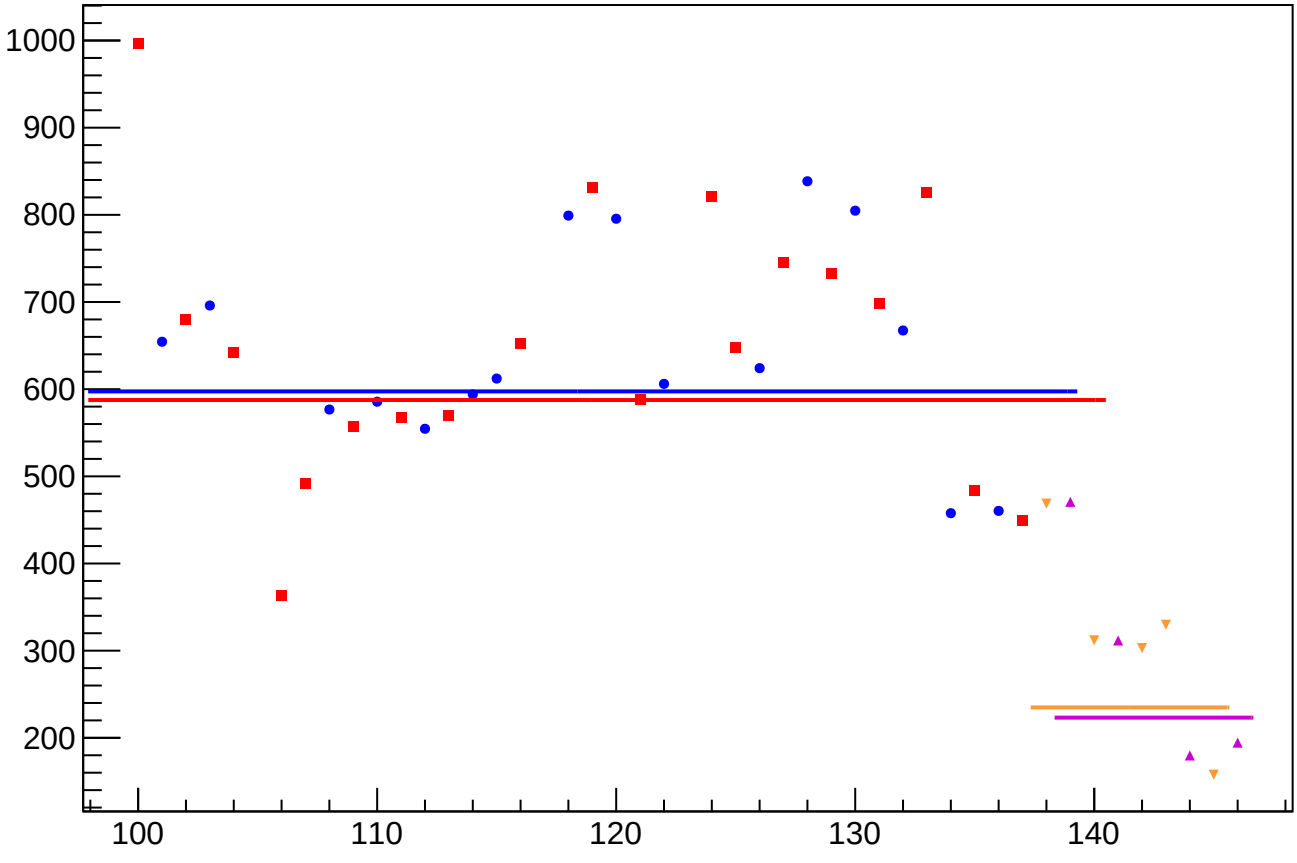
Left In: -103.341+/-129.136 χ^2/NDF:2.0/3

+ sign -173.109+/-114.671 χ^2/NDF: 33.7/20

All: -194.682+/-79.934 χ^2/NDF: 51.9/43

- sign -215.072+/-111.484 χ^2/NDF: 18.2/22

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 234.863+/-0.094 χ^2/NDF:1047271.9/4

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

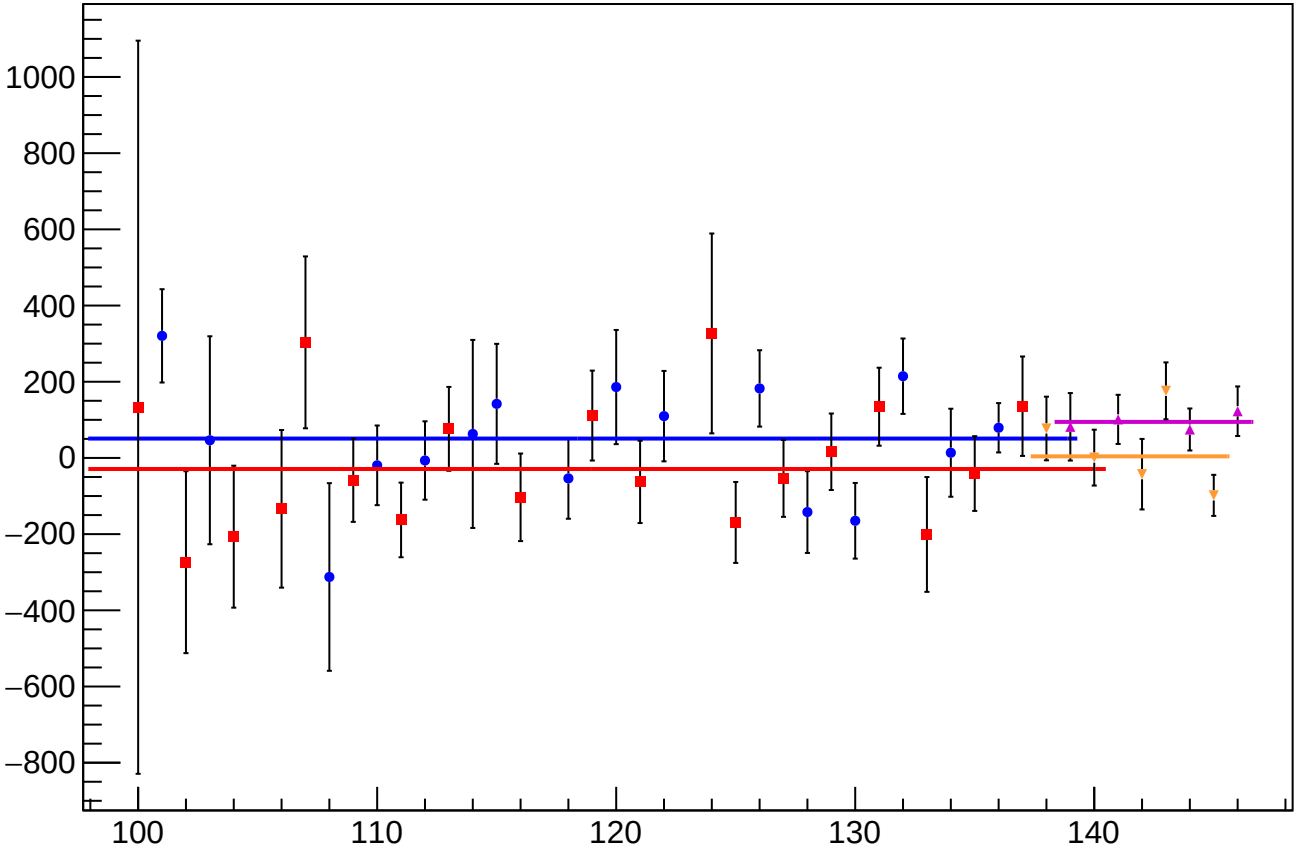
Left In: 223.172+/-0.091 χ^2/NDF:731309.2/3

+ sign 326.746+/-0.081 χ^2/NDF: 5364062.9/20

All: 321.212+/-0.057 χ^2/NDF: 10849449.9/43

- sign 315.981+/-0.079 χ^2/NDF: 5476325.7/22

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 4.139+/-32.109 χ^2/NDF:9.9/4

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

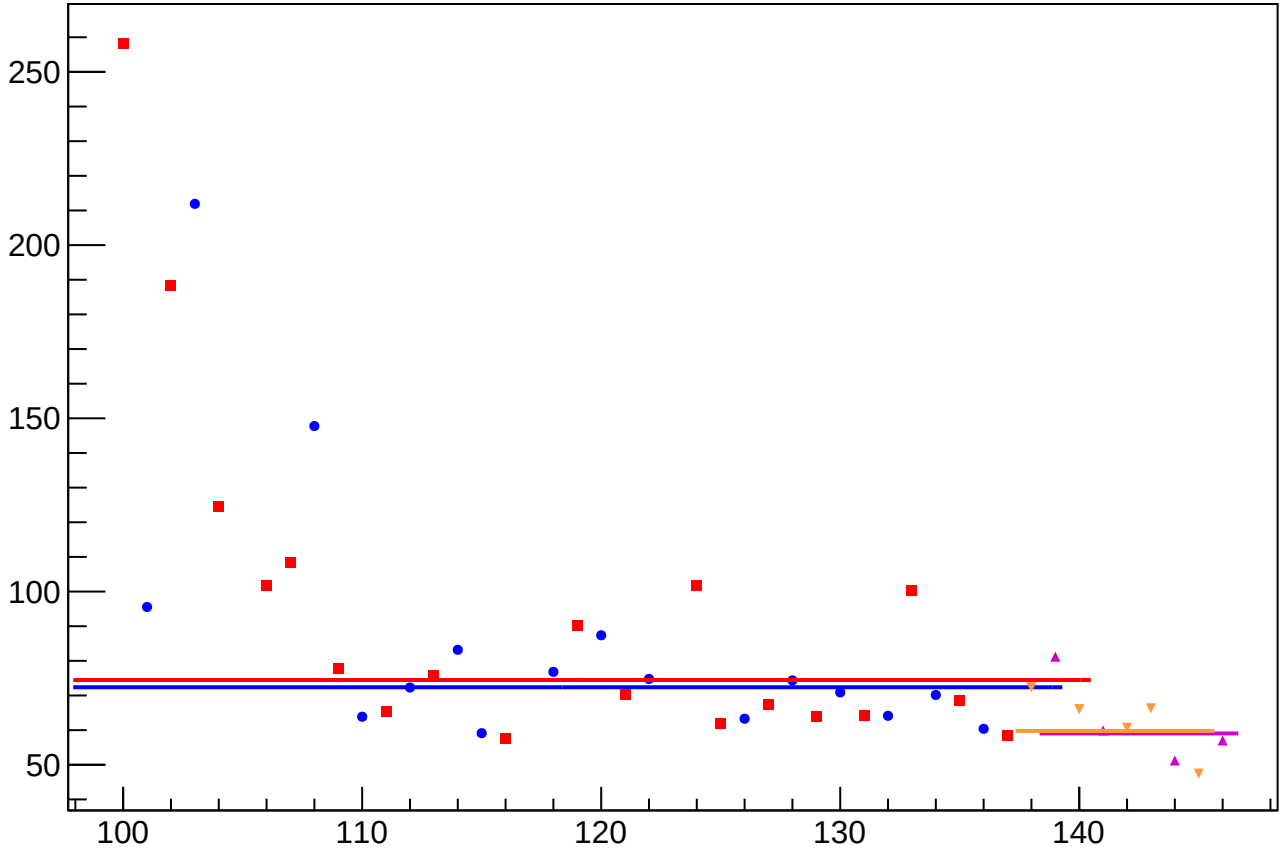
Left In: 94.596+/-32.736 χ^2/NDF:0.3/3

+ sign 30.409+/-21.237 χ^2/NDF: 34.0/20

All: 27.825+/-15.168 χ^2/NDF: 60.9/43

- sign 25.134+/-21.669 χ^2/NDF: 26.9/22

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 59.766+/-0.023 χ^2/NDF:180283.9/4

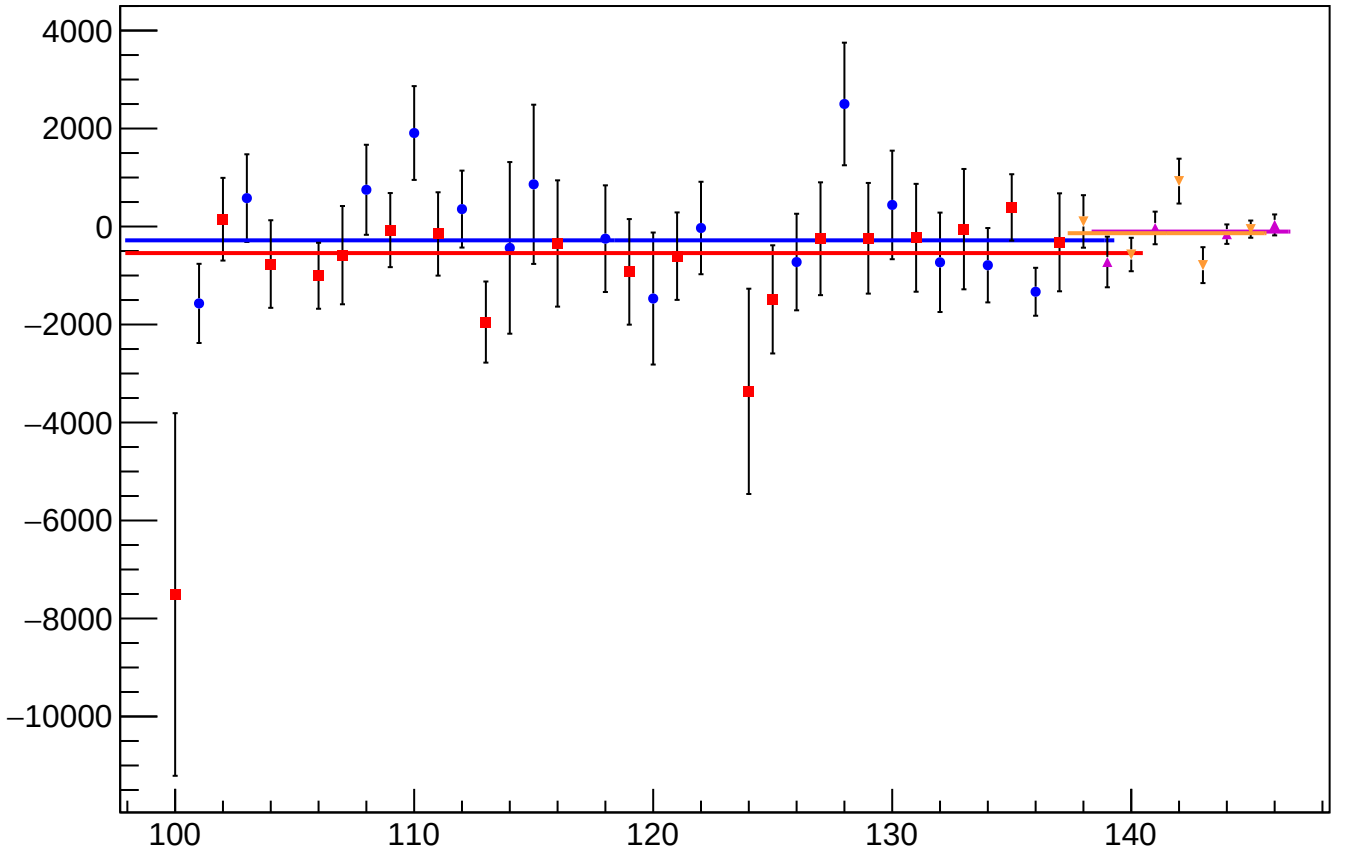
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 59.040+/-0.023 χ^2/NDF:167626.8/3

+ sign 66.860+/-0.015 χ^2/NDF: 1292038.2/20

All: 67.274+/-0.011 χ^2/NDF: 2762941.2/43

- sign 67.705+/-0.015 χ^2/NDF: 1469351.3/22



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -136.134+/-132.713 χ^2/NDF:10.6/4

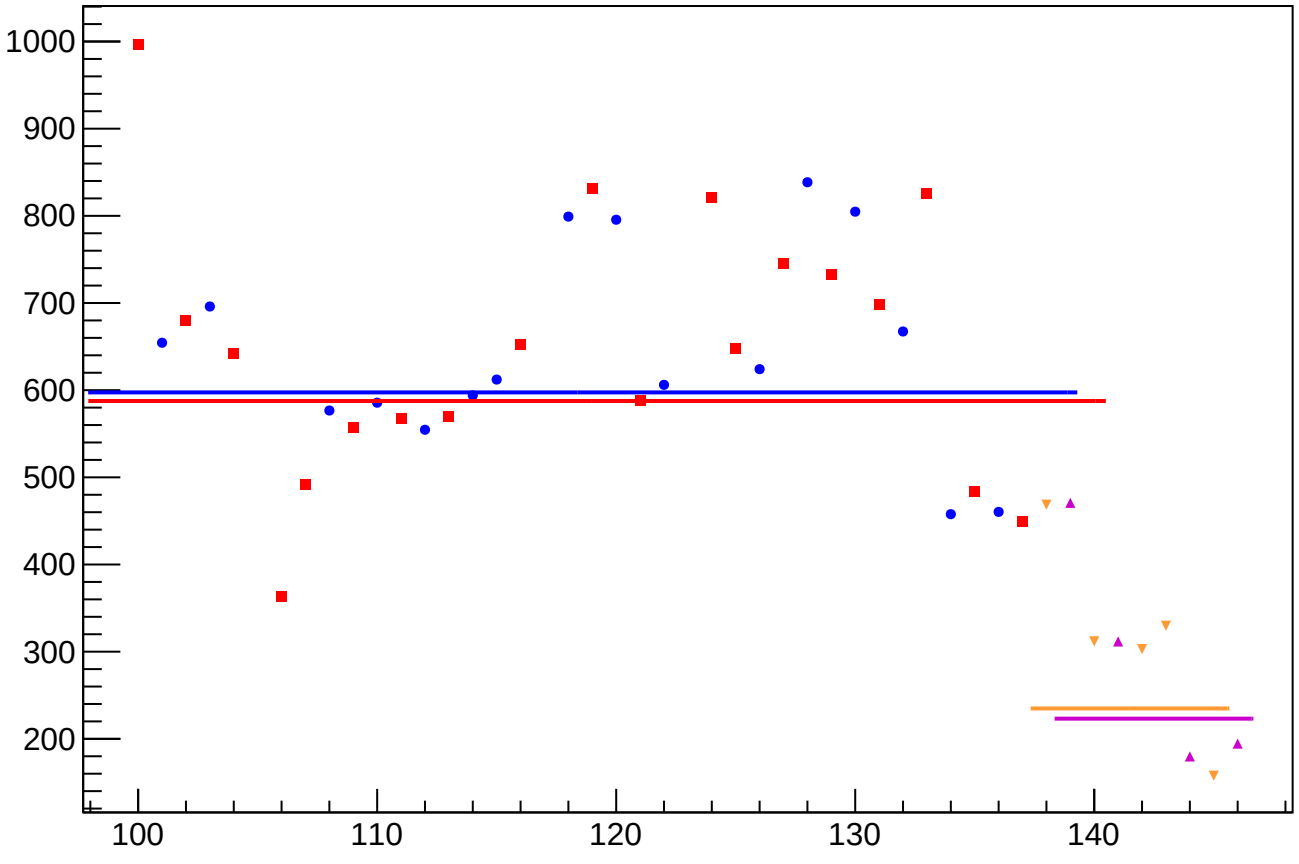
Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -103.341+/-129.136 χ^2/NDF:2.0/3

+ sign -173.109+/-114.671 χ^2/NDF: 33.7/20

All: -194.682+/-79.934 χ^2/NDF: 51.9/43

- sign -215.072+/-111.484 χ^2/NDF: 18.2/22



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 234.863+/-0.094 χ^2/NDF:1047270.3/4

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

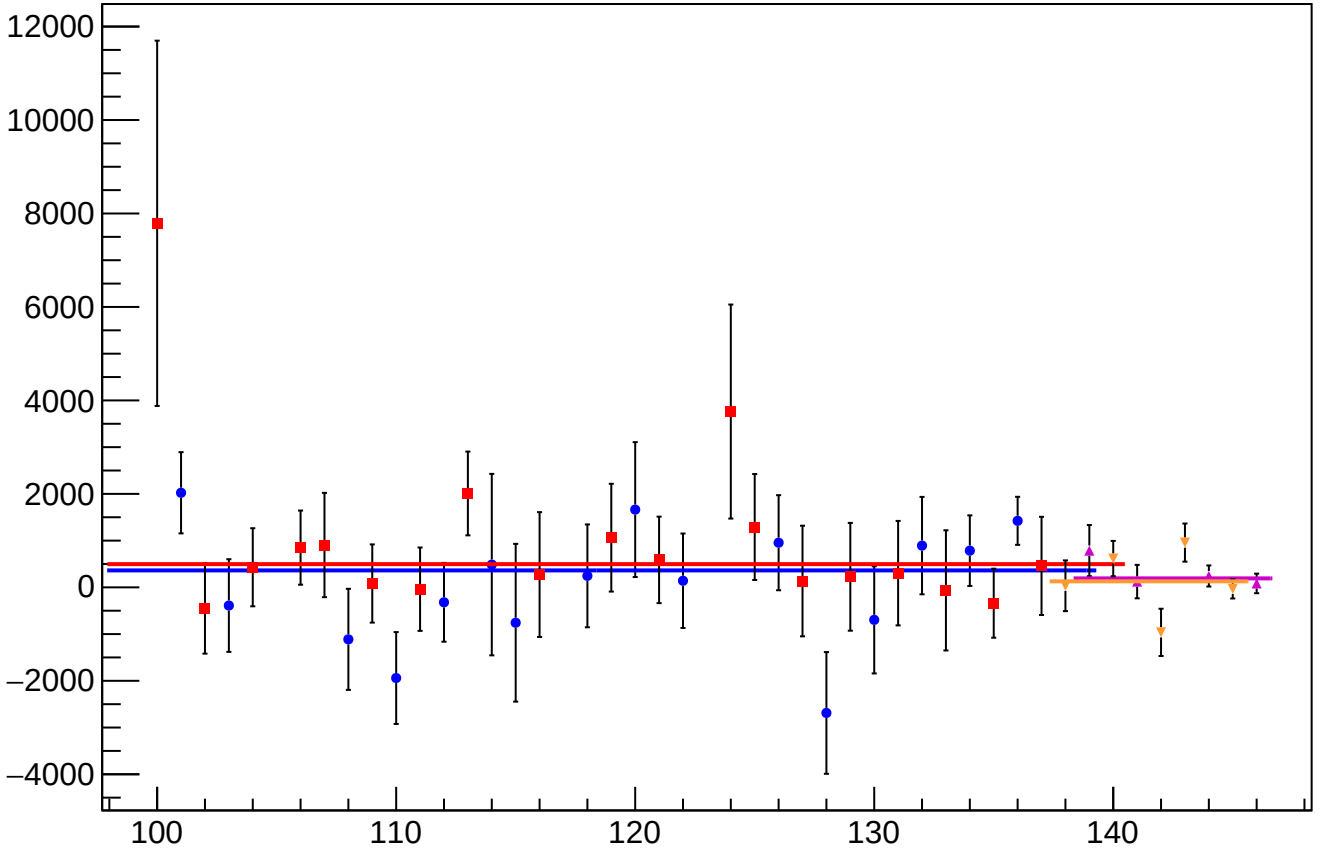
Left In: 223.172+/-0.091 χ^2/NDF:731309.7/3

+ sign 326.746+/-0.081 χ^2/NDF: 5364062.0/20

All: 321.212+/-0.057 χ^2/NDF: 10849447.3/43

- sign 315.981+/-0.079 χ^2/NDF: 5476323.6/22

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 128.791+/-150.964 χ^2/NDF:11.1/4

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

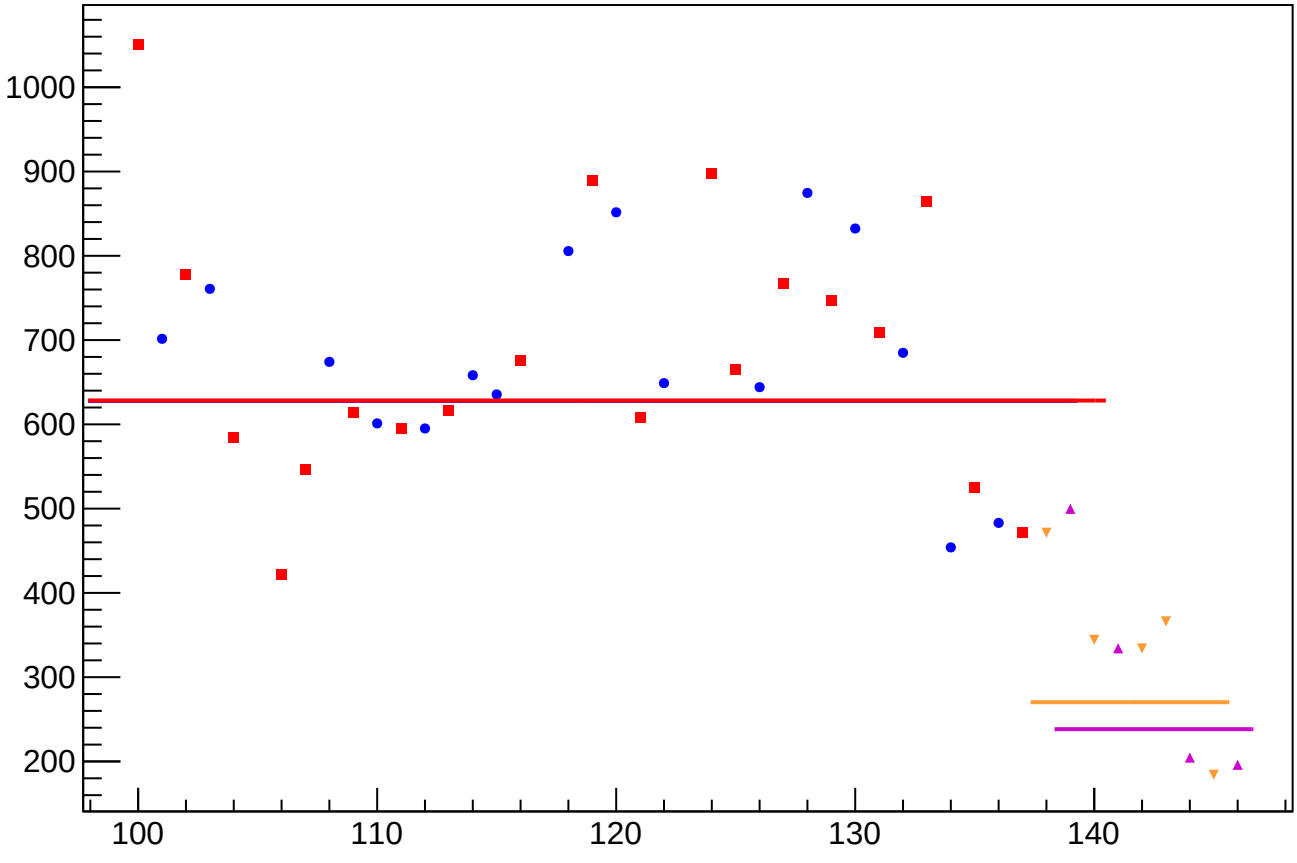
Left In: 191.682+/-136.643 χ^2/NDF:1.5/3

+ sign 194.893+/-127.832 χ^2/NDF: 36.8/20

All: 234.413+/-86.807 χ^2/NDF: 52.5/43

- sign 268.233+/-118.256 χ^2/NDF: 15.5/22

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 270.298+/-0.107 χ^2/NDF:841856.8/4

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

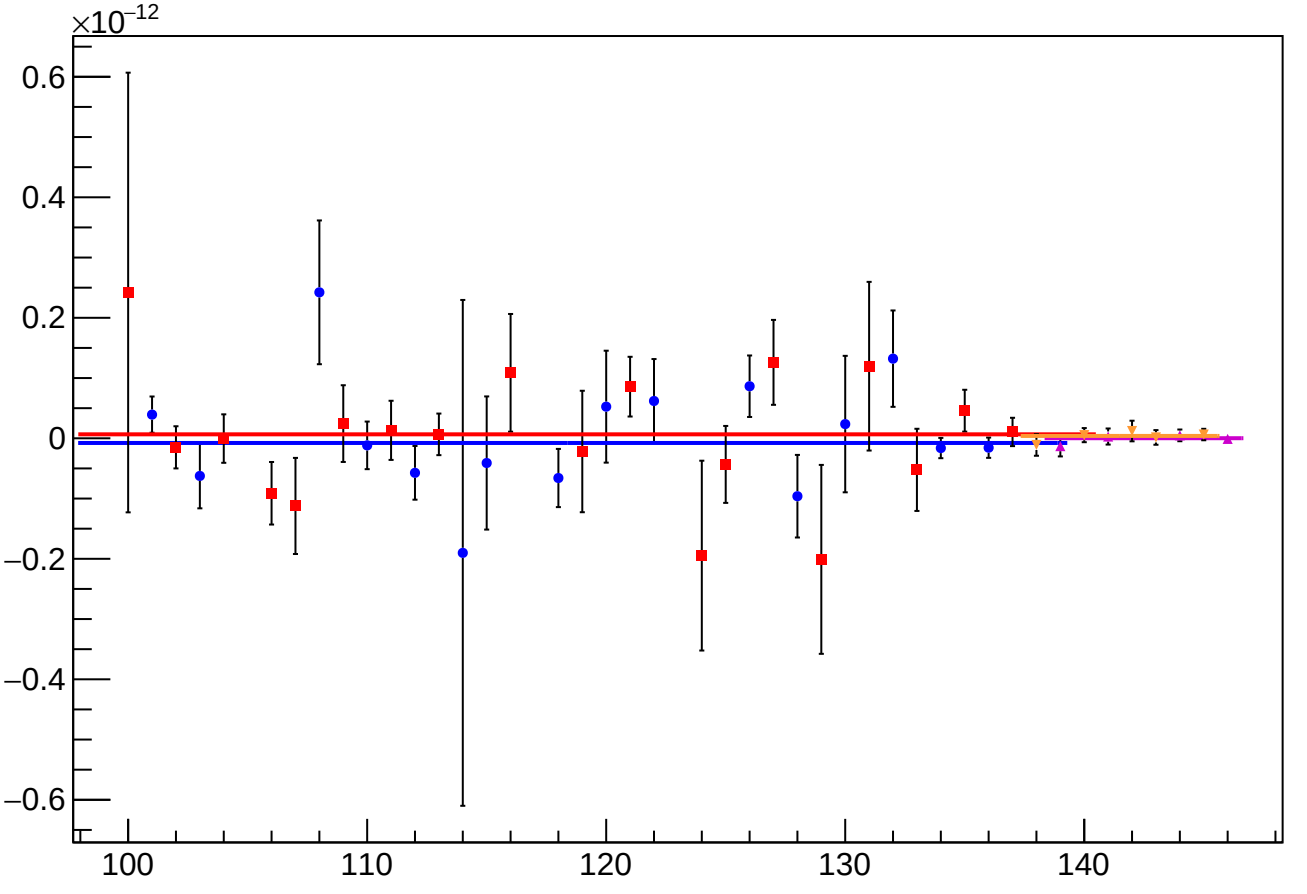
Left In: 238.299+/-0.097 χ^2/NDF:726448.2/3

+ sign 371.491+/-0.090 χ^2/NDF: 4584303.7/20

All: 352.467+/-0.061 χ^2/NDF: 10052660.1/43

- sign 336.186+/-0.084 χ^2/NDF: 5386150.0/22

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:1.0/4

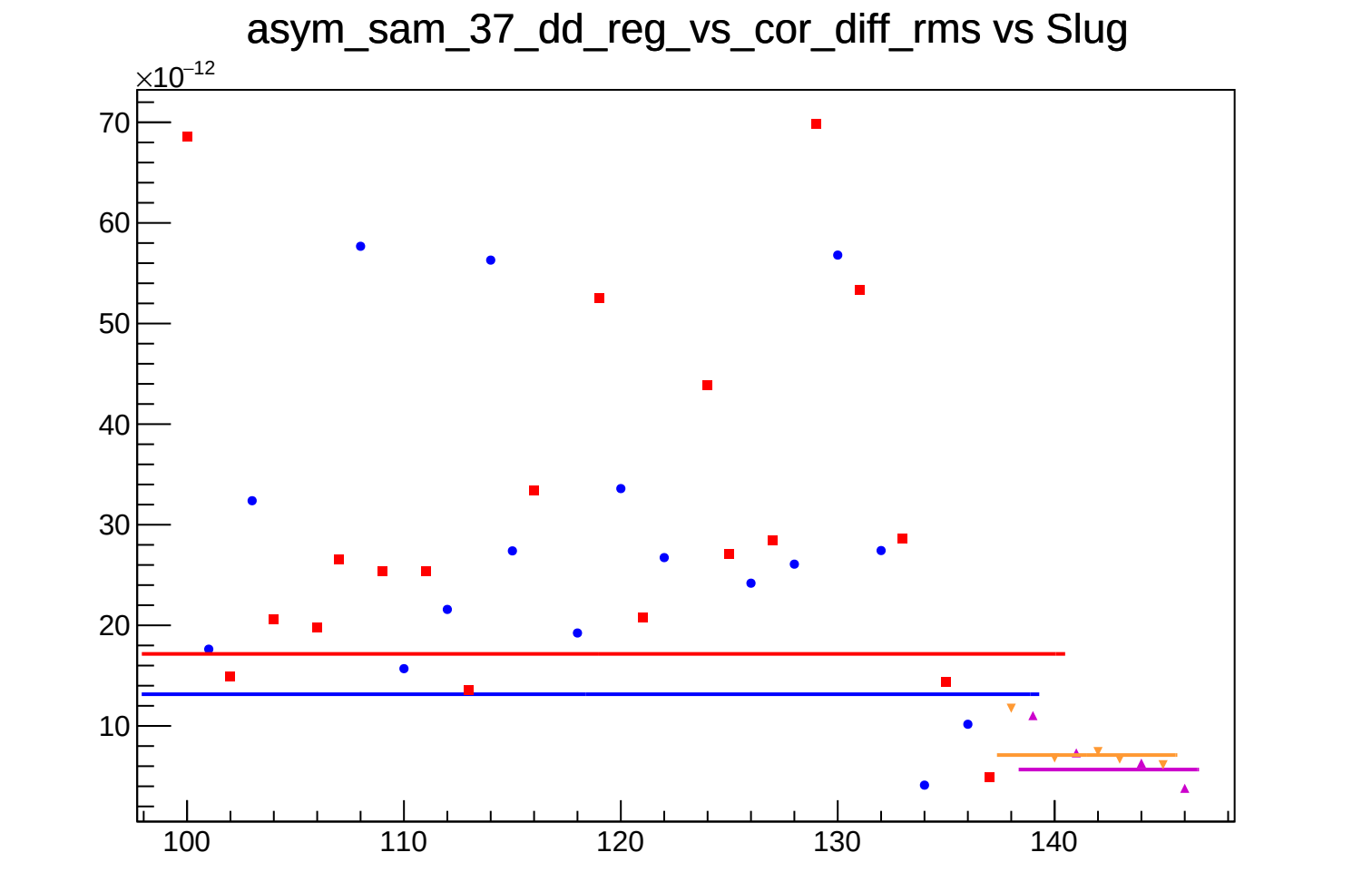
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/20

All: 0.000+/-0.000 χ^2/NDF: 44.3/43

- sign 0.000+/-0.000 χ^2/NDF: 21.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:159439.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

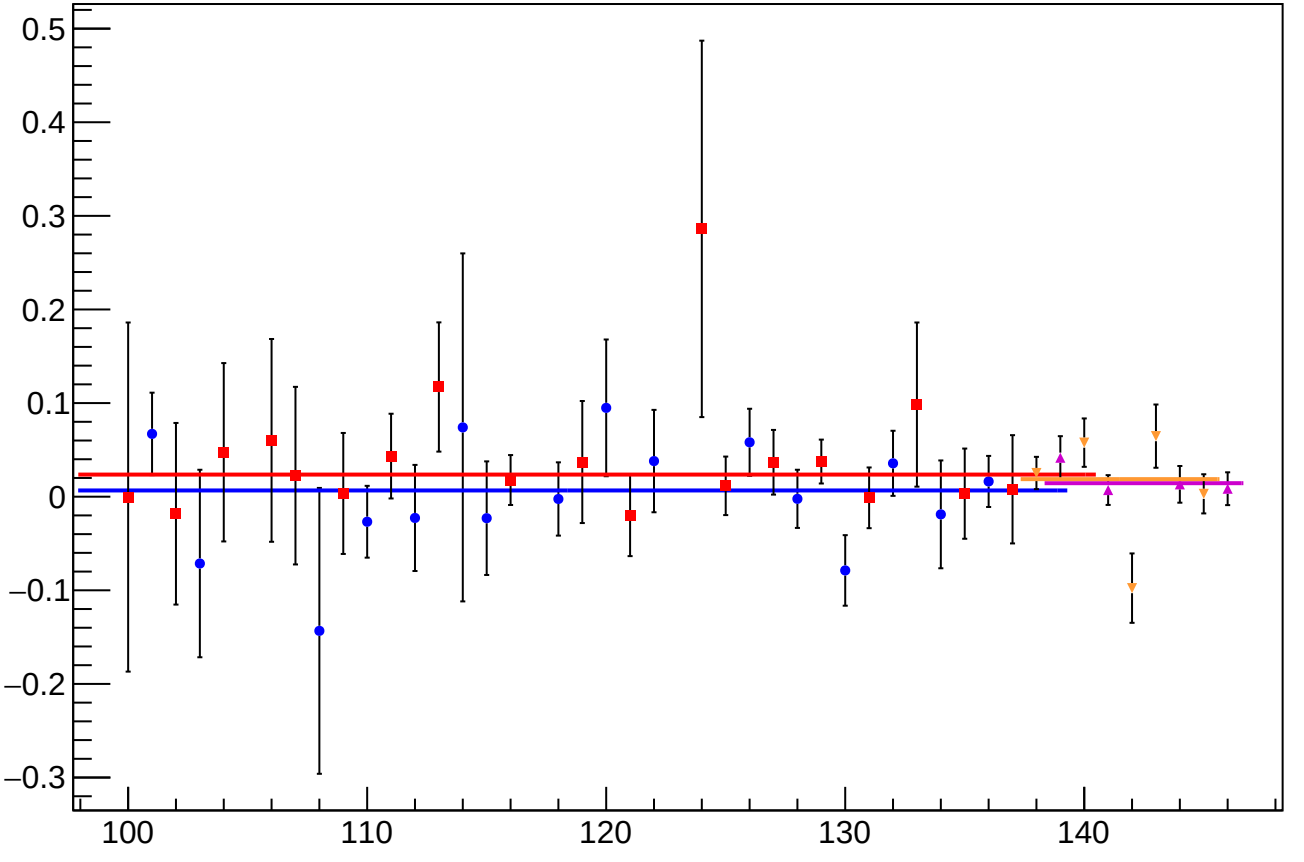
Left In: 0.000+/-0.000 χ^2/NDF:365004.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 2854521.5/20

All: 0.000+/-0.000 χ^2/NDF: 6583336.0/43

- sign 0.000+/-0.000 χ^2/NDF: 3670348.1/22

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: 0.019+/-0.011 χ^2/NDF:14.7/4

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

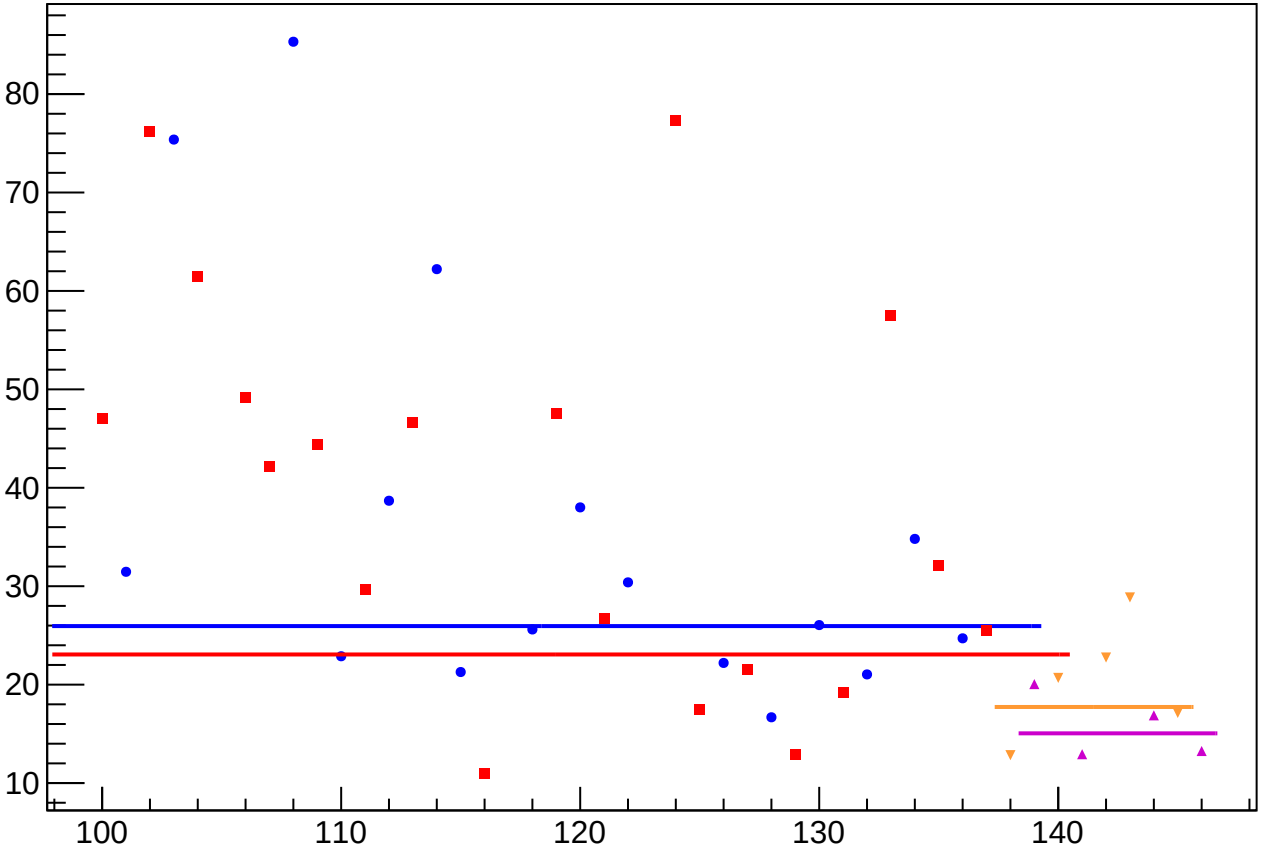
Left In: 0.014+/-0.009 χ^2/NDF:1.7/3

+ sign 0.013+/-0.008 χ^2/NDF: 30.3/20

All: 0.016+/-0.005 χ^2/NDF: 40.3/43

- sign 0.018+/-0.007 χ^2/NDF: 9.7/22

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: 17.730+/-0.008 χ^2/NDF:442713.5/4

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

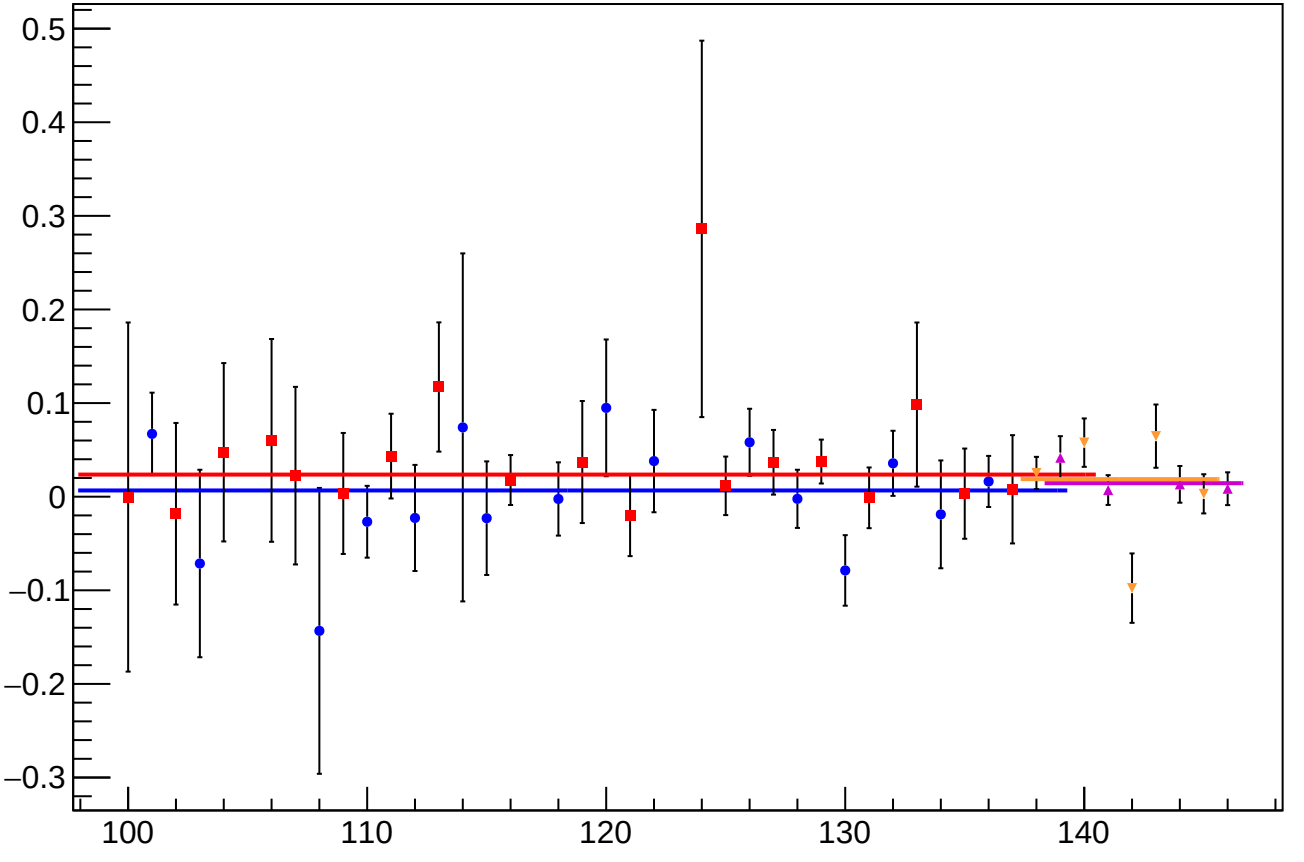
Left In: 15.052+/-0.007 χ^2/NDF:168542.8/3

+ sign 21.686+/-0.005 χ^2/NDF: 2393078.6/20

All: 19.955+/-0.004 χ^2/NDF: 6761698.3/43

- sign 18.550+/-0.005 χ^2/NDF: 4185508.7/22

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: 0.019+/-0.011 χ^2/NDF:14.7/4

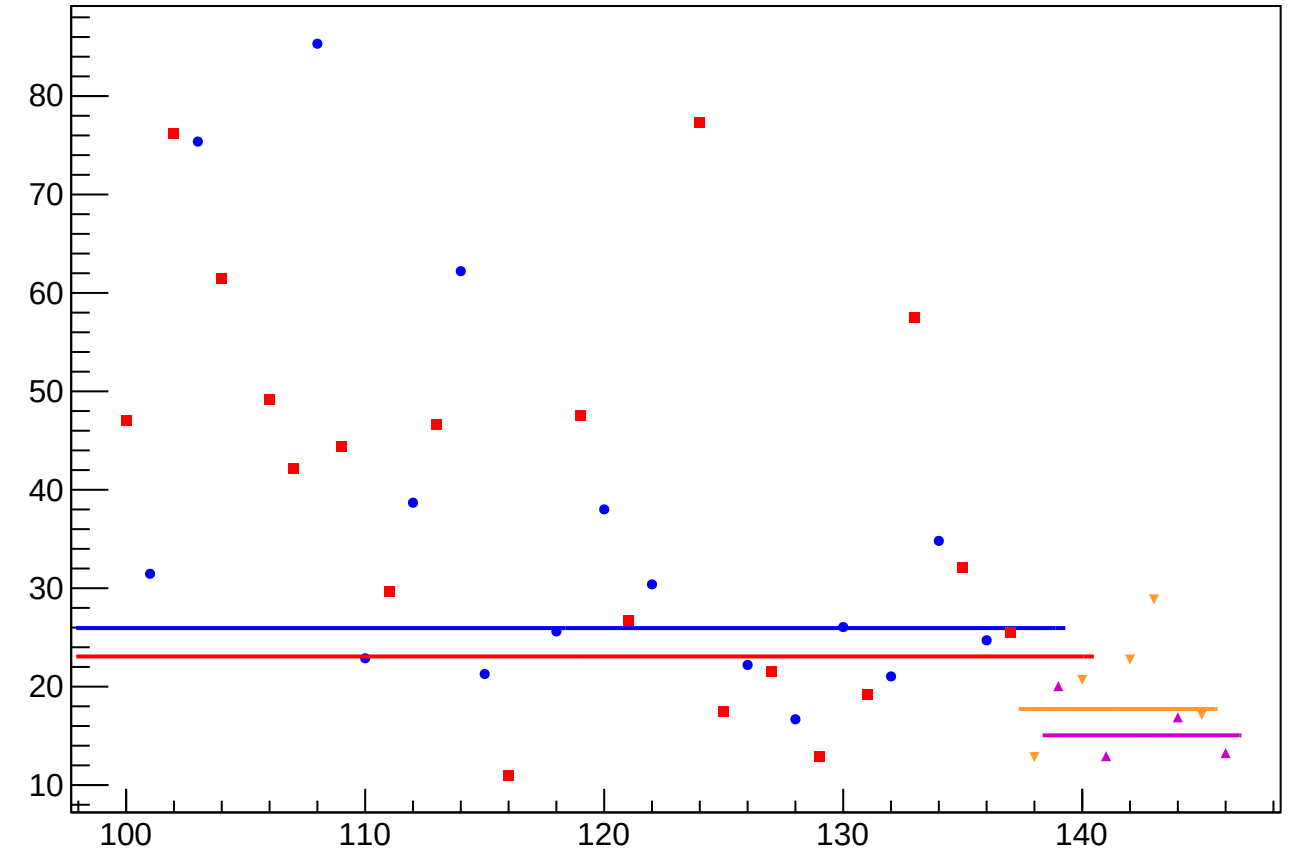
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.7/3

+ sign 0.013+/-0.008 χ^2/NDF: 30.3/20

All: 0.016+/-0.005 χ^2/NDF: 40.3/43

- sign 0.018+/-0.007 χ^2/NDF: 9.7/22



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.730+/-0.008 χ^2/NDF:442713.5/4

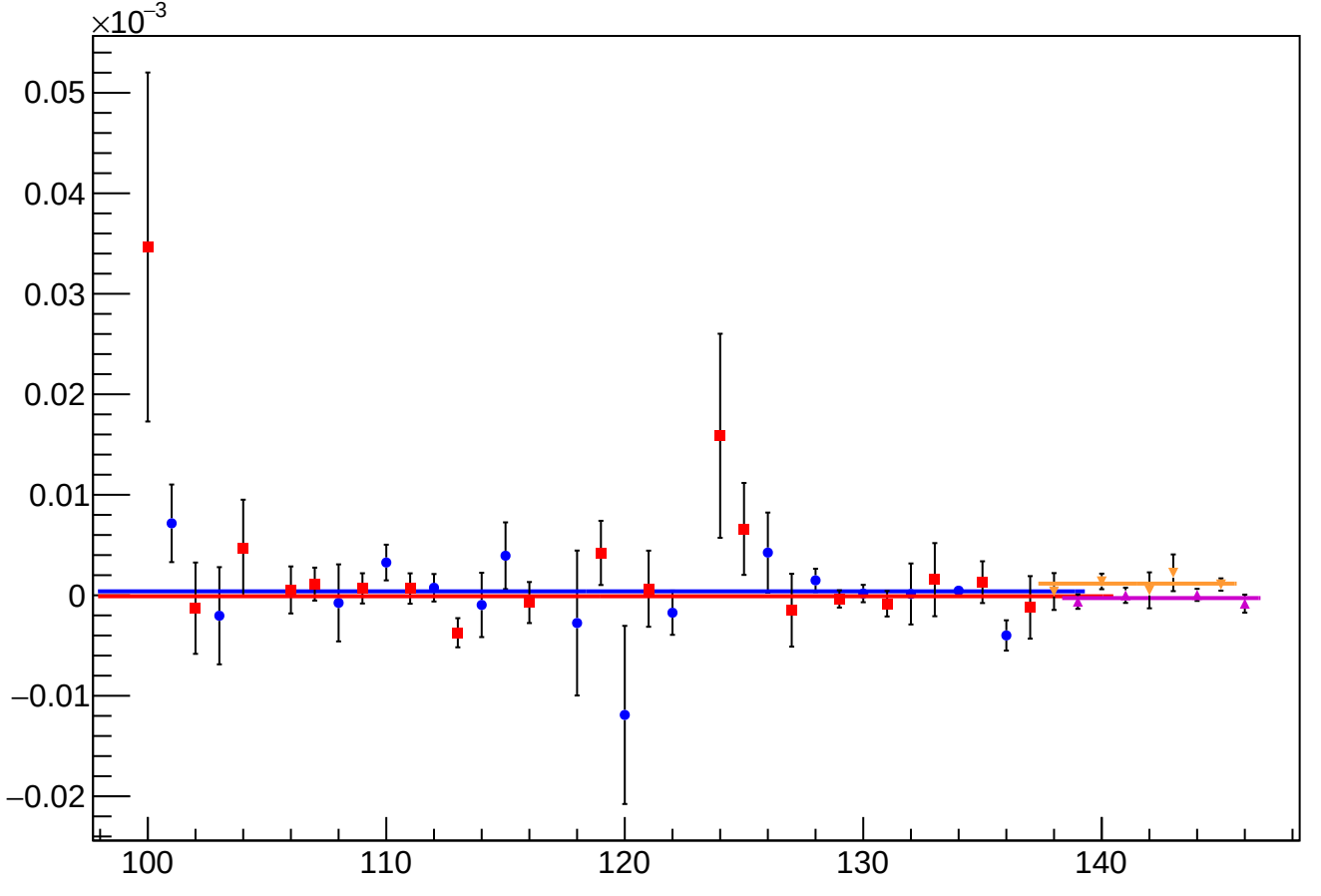
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.052+/-0.007 χ^2/NDF:168542.8/3

+ sign 21.686+/-0.005 χ^2/NDF: 2393078.6/20

All: 19.955+/-0.004 χ^2/NDF: 6761698.3/43

- sign 18.550+/-0.005 χ^2/NDF: 4185508.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

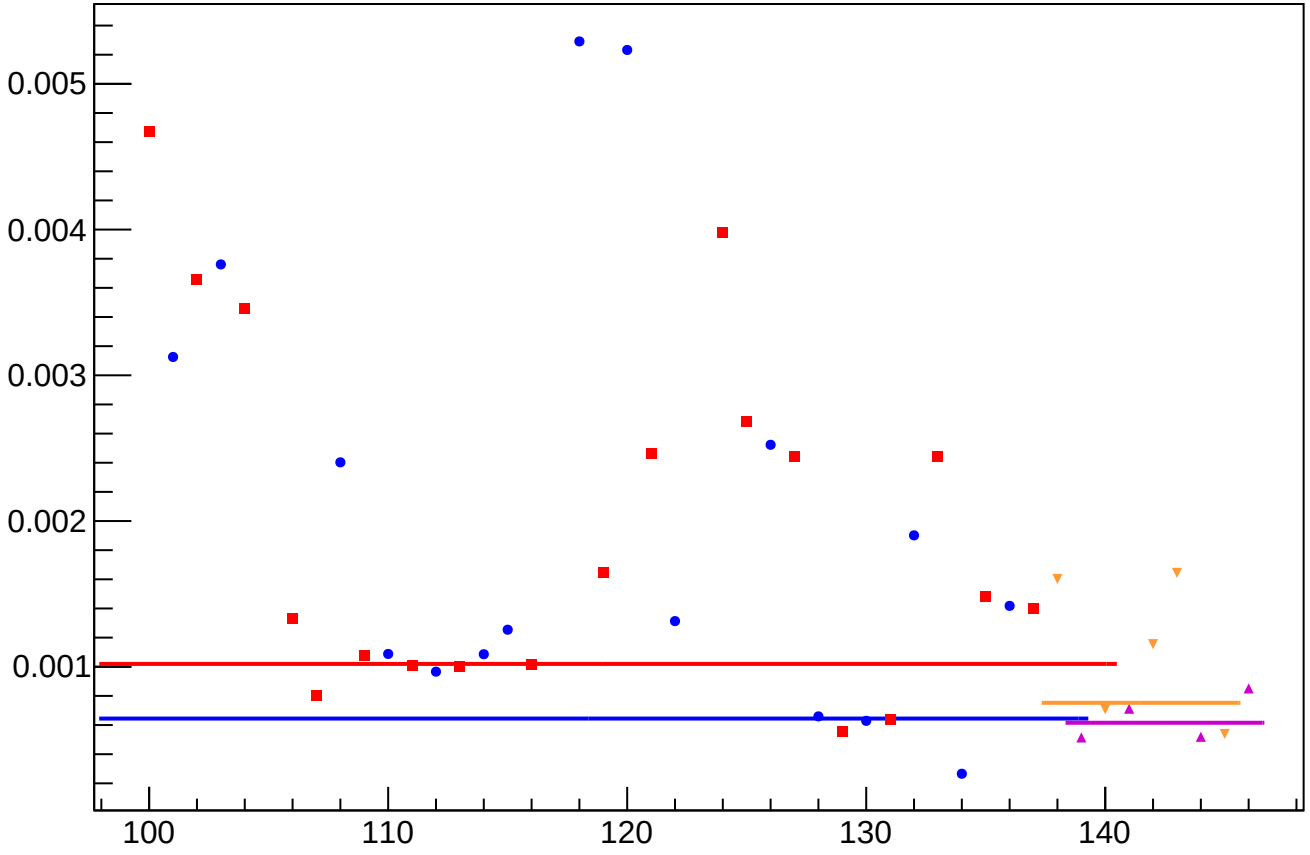
Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/20

All: 0.000+/-0.000 χ^2/NDF: 50.4/43

- sign -0.000+/-0.000 χ^2/NDF: 21.6/22

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1258264.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

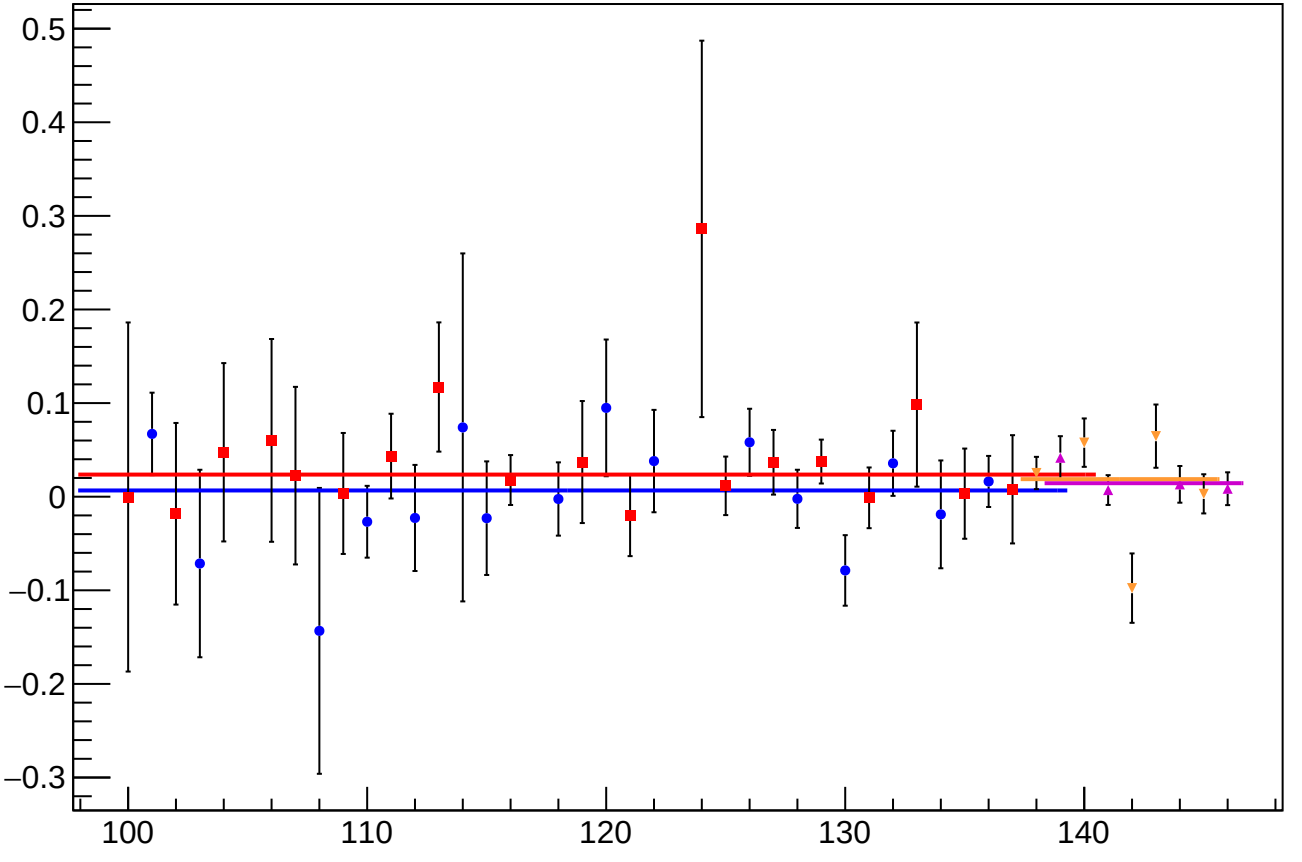
Left In: 0.001+/-0.000 χ^2/NDF:260416.3/3

\+ sign 0.001+/-0.000 χ^2/NDF: 7910409.4/20

All: 0.001+/-0.000 χ^2/NDF: 12915814.5/43

\- sign 0.001+/-0.000 χ^2/NDF: 4902145.7/22

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: 0.019+/-0.011 χ^2/NDF:14.7/4

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

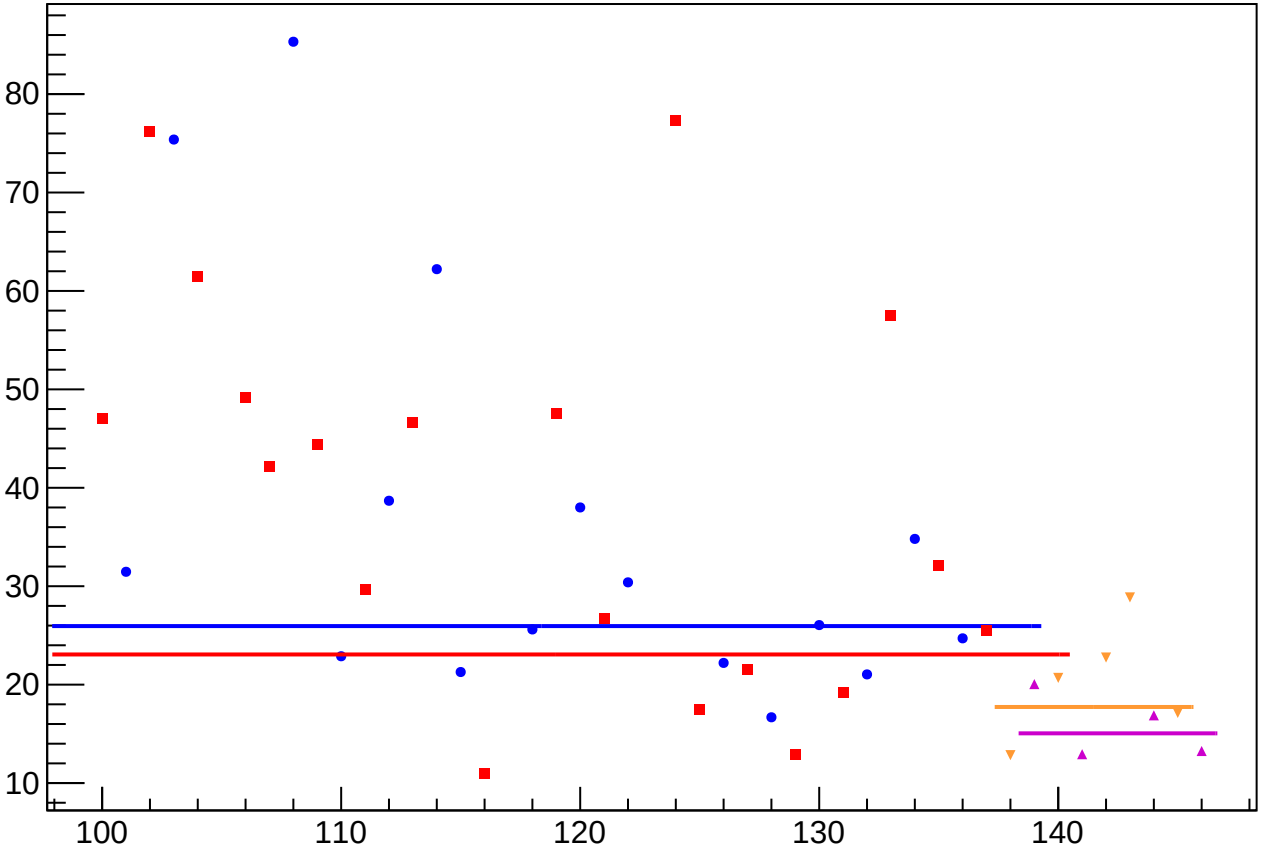
Left In: 0.014+/-0.009 χ^2/NDF:1.7/3

+ sign 0.013+/-0.008 χ^2/NDF: 30.3/20

All: 0.016+/-0.005 χ^2/NDF: 40.3/43

- sign 0.018+/-0.007 χ^2/NDF: 9.7/22

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.731+/-0.008 χ^2/NDF:442703.9/4

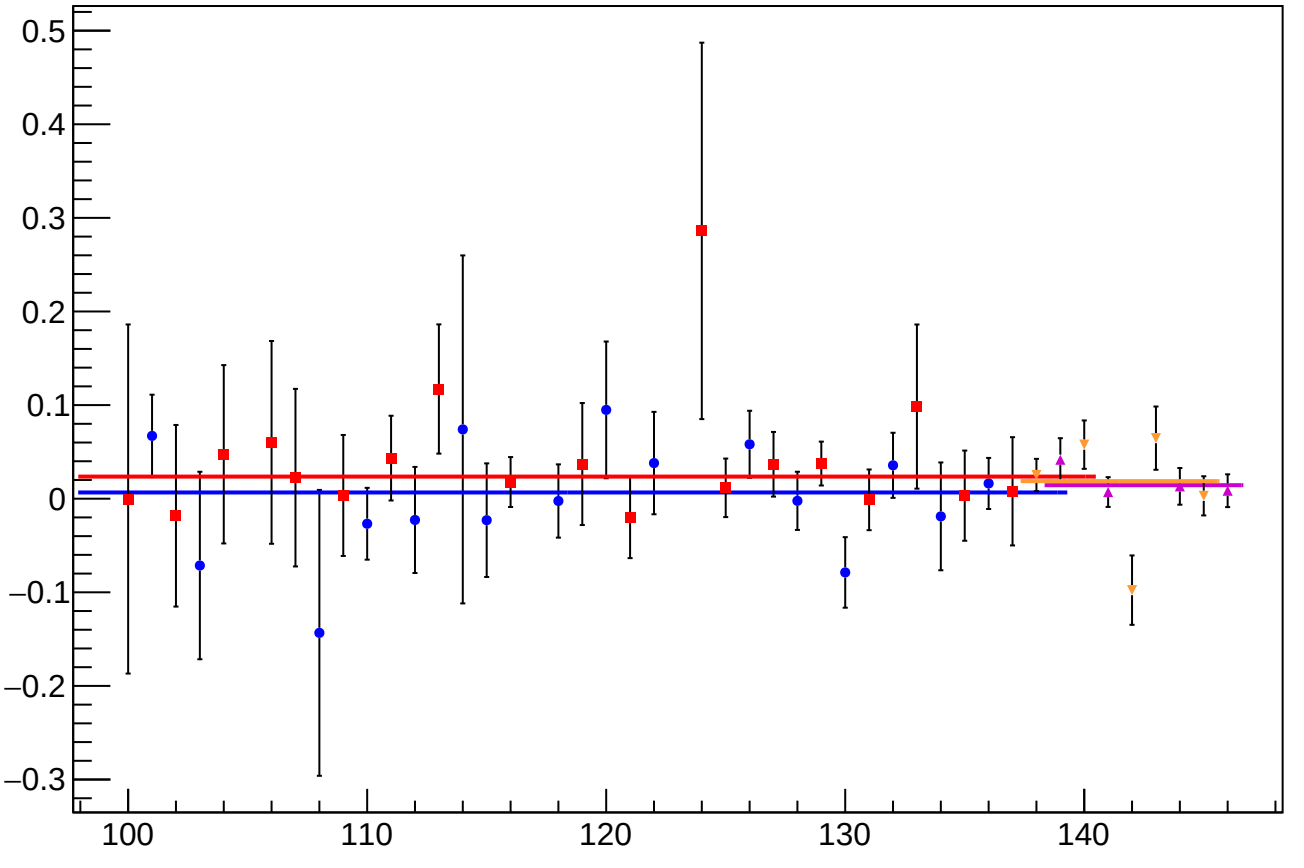
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.052+/-0.007 χ^2/NDF:168504.9/3

+ sign 21.687+/-0.005 χ^2/NDF: 2393004.0/20

All: 19.956+/-0.004 χ^2/NDF: 6761503.0/43

- sign 18.550+/-0.005 χ^2/NDF: 4185367.2/22



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.011 χ^2/NDF:14.7/4

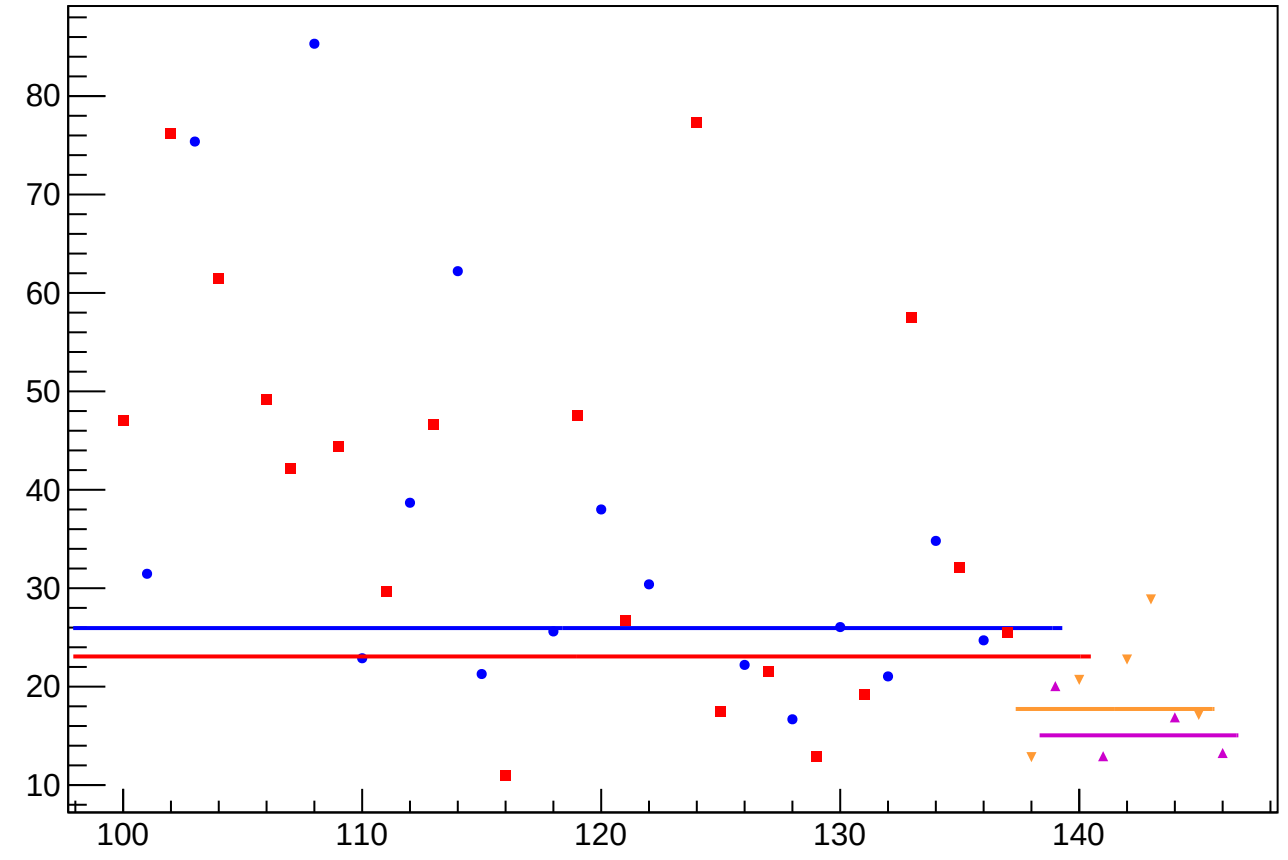
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.7/3

+ sign 0.013+/-0.008 χ^2/NDF: 30.3/20

All: 0.016+/-0.005 χ^2/NDF: 40.3/43

- sign 0.018+/-0.007 χ^2/NDF: 9.7/22



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.731+/-0.008 χ^2/NDF:442703.9/4

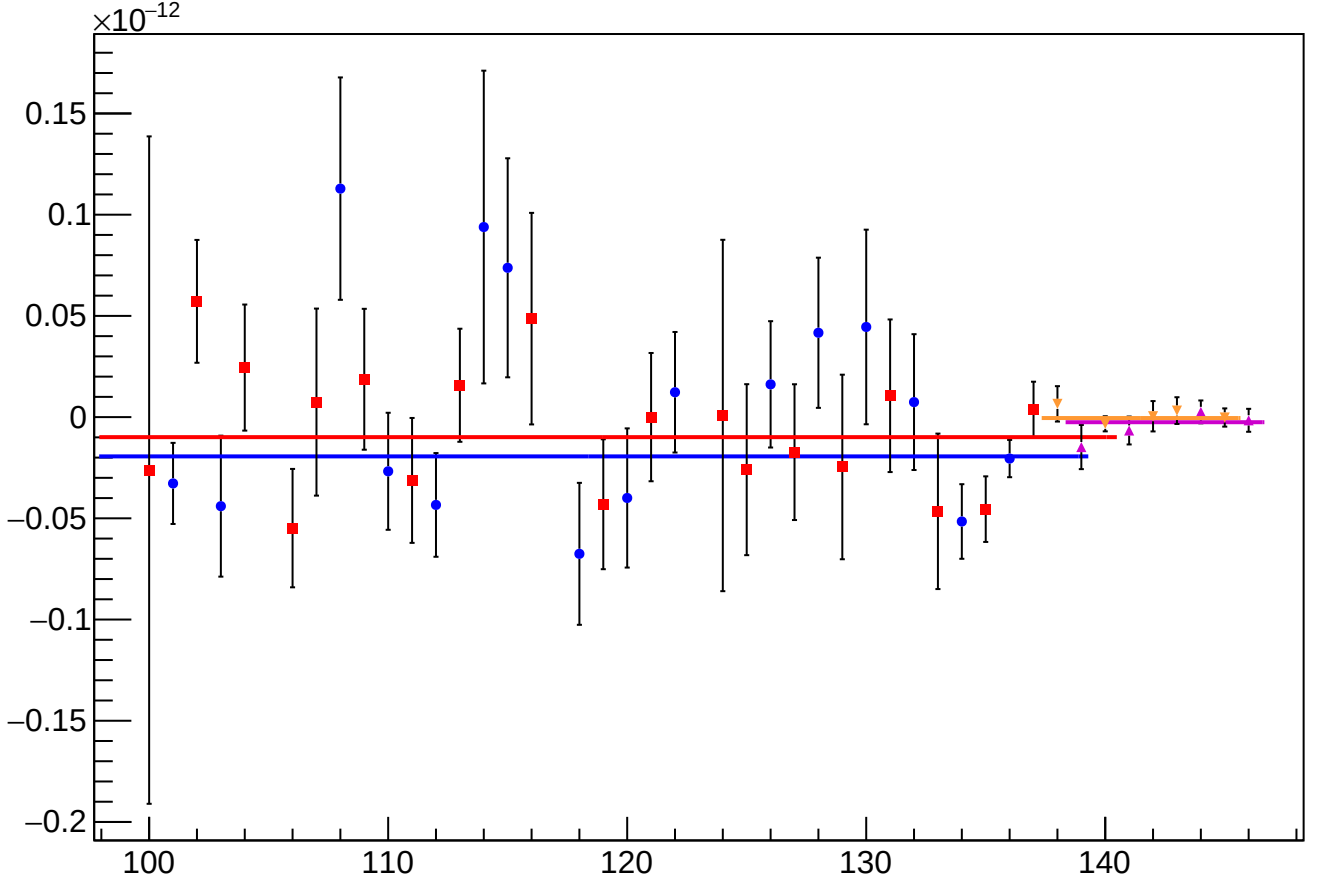
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.052+/-0.007 χ^2/NDF:168504.9/3

+ sign 21.687+/-0.005 χ^2/NDF: 2393004.0/20

All: 19.956+/-0.004 χ^2/NDF: 6761503.0/43

- sign 18.550+/-0.005 χ^2/NDF: 4185367.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/4

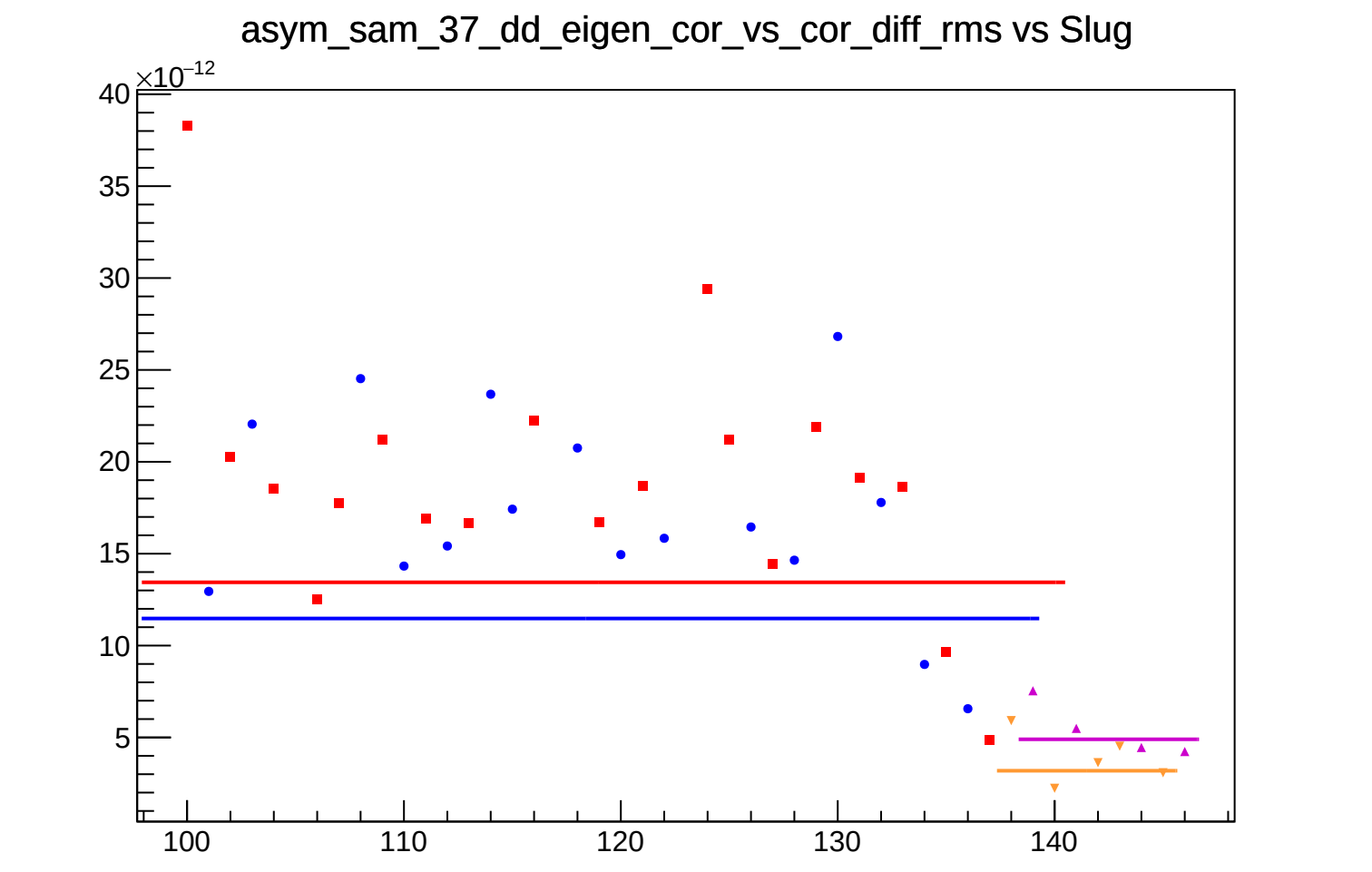
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/20

All: -0.000+/-0.000 χ^2/NDF: 59.5/43

- sign -0.000+/-0.000 χ^2/NDF: 23.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:415454.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

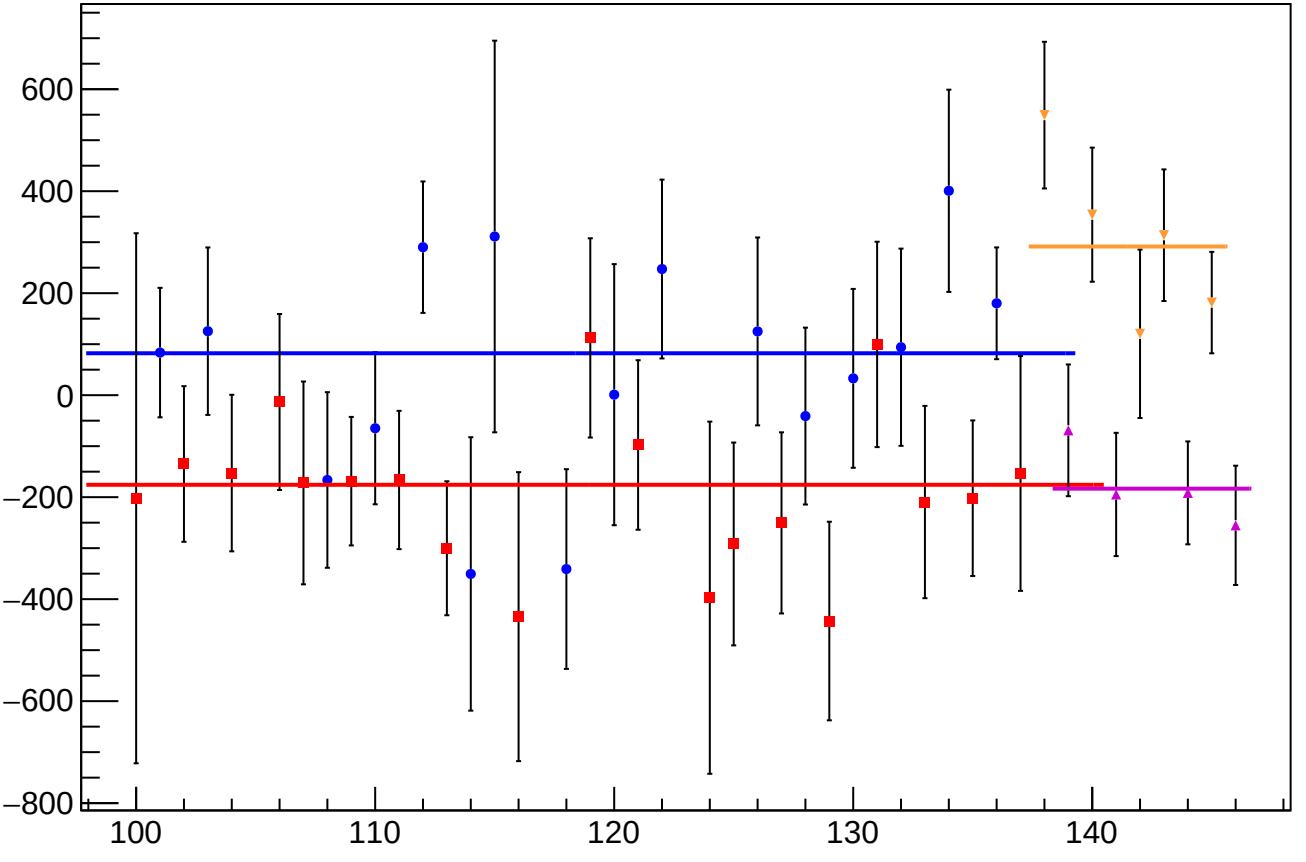
Left In: 0.000+/-0.000 χ^2/NDF:172038.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 5274470.5/20

All: 0.000+/-0.000 χ^2/NDF: 10406656.1/43

- sign 0.000+/-0.000 χ^2/NDF: 4413394.3/22

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 291.564+/-57.354 χ^2/NDF:5.8/4

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

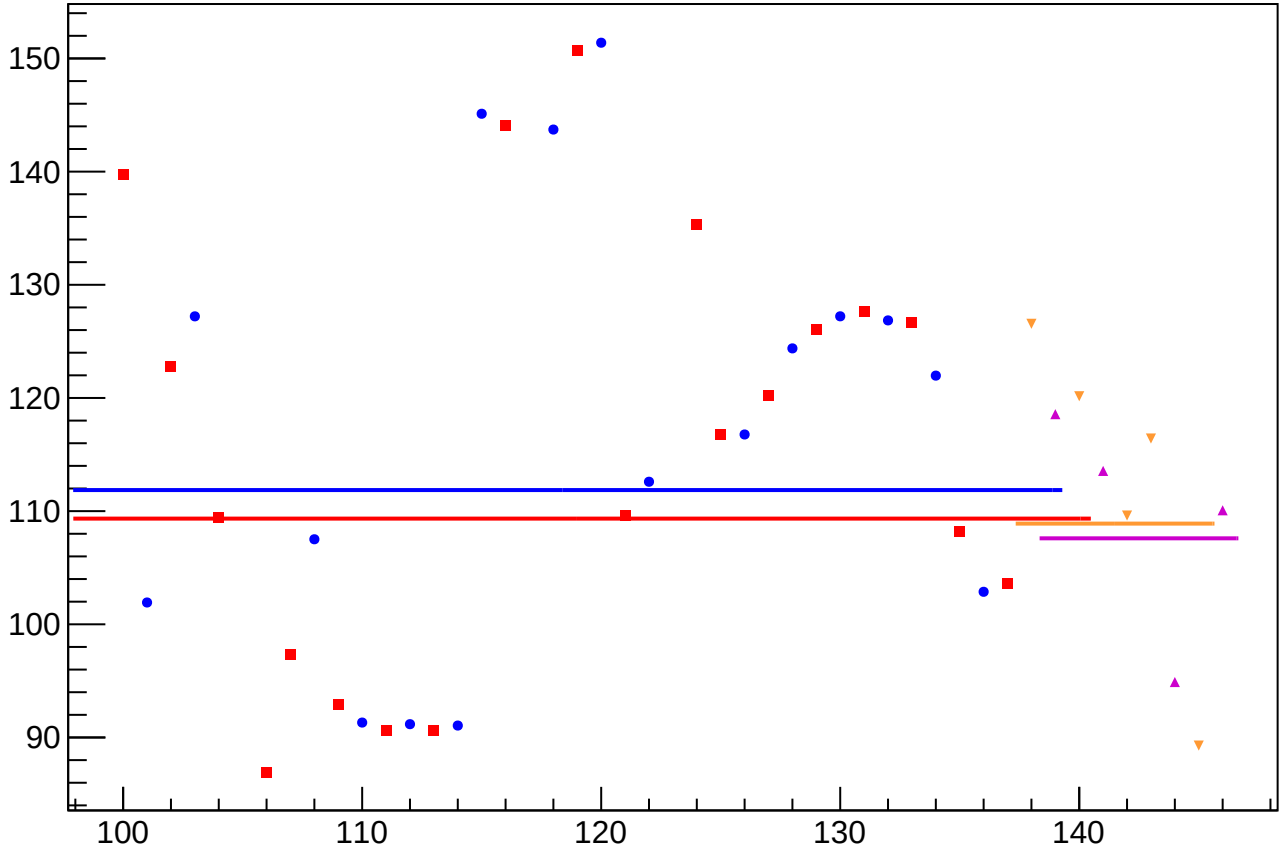
Left In: -183.296+/-57.764 χ^2/NDF:1.2/3

\+ sign 155.581+/-33.956 χ^2/NDF: 32.8/20

All: -14.804+/-23.759 χ^2/NDF: 93.2/43

\- sign -178.239+/-33.256 χ^2/NDF: 11.1/22

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 108.898+/-0.041 χ^2/NDF:129391.4/4

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

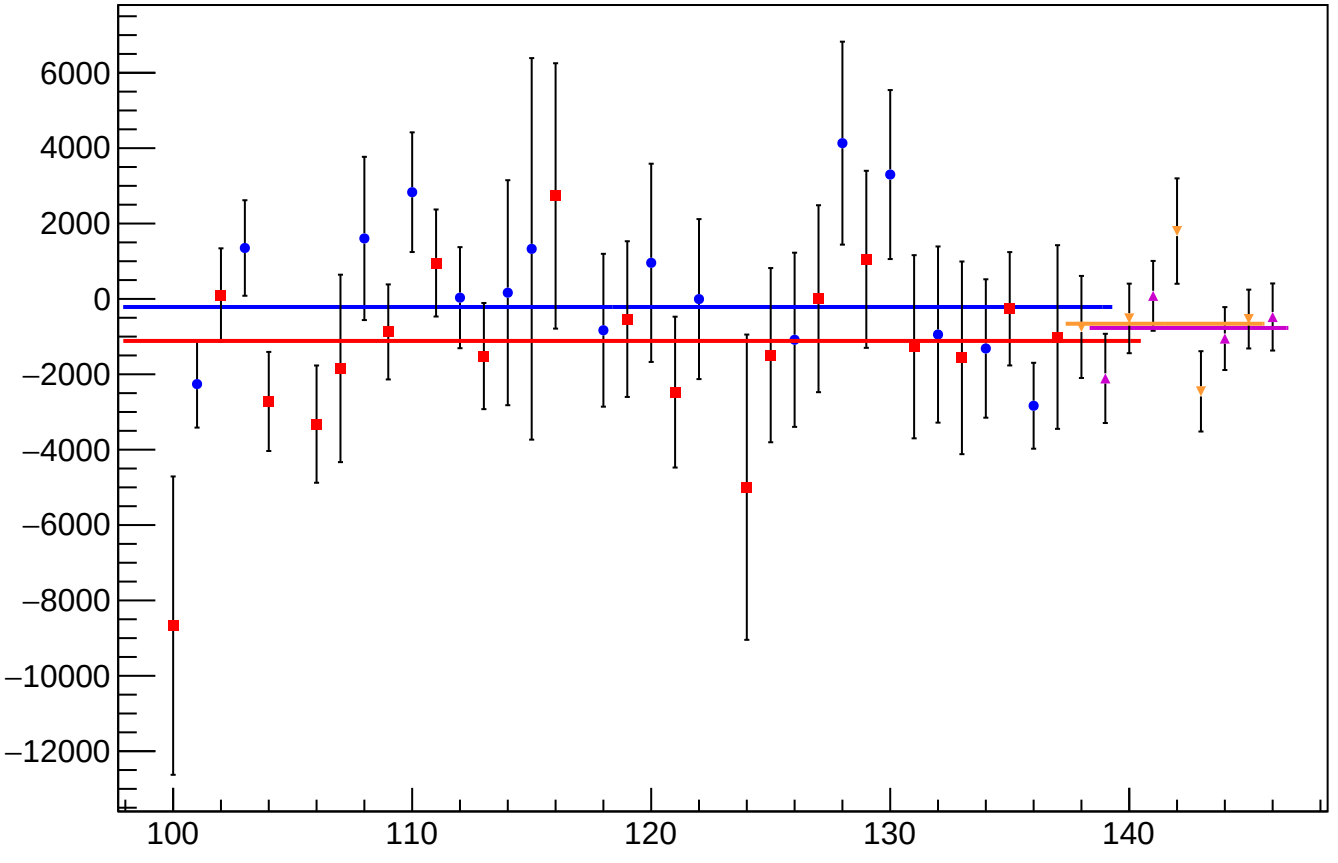
Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

+ sign 110.823+/-0.024 χ^2/NDF: 438884.4/20

All: 109.771+/-0.017 χ^2/NDF: 862926.4/43

- sign 108.762+/-0.024 χ^2/NDF: 420282.5/22

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -658.449+/-458.679 χ^2/NDF:6.0/4

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

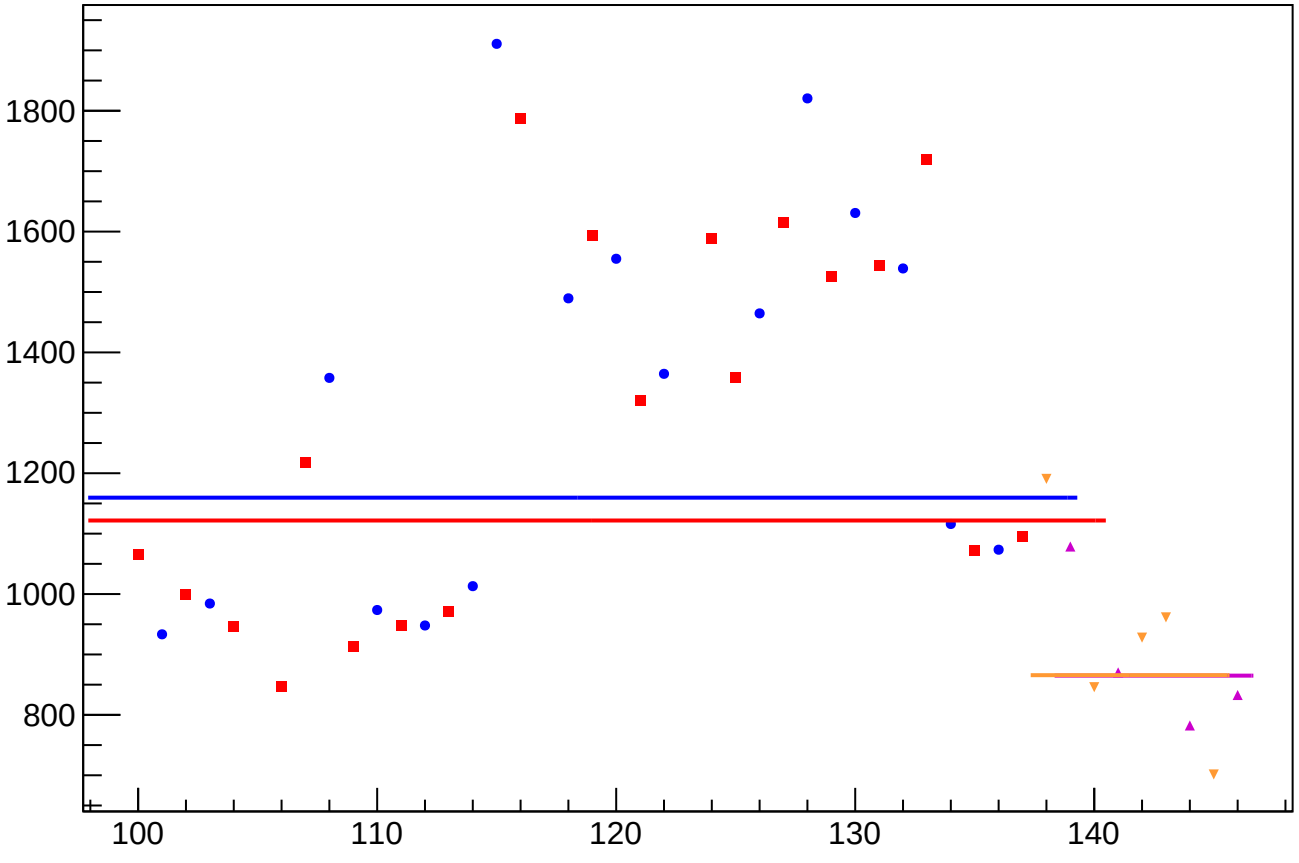
Left In: -770.418+/-467.430 χ^2/NDF:2.3/3

+ sign -429.077+/-319.005 χ^2/NDF: 26.9/20

All: -698.863+/-223.655 χ^2/NDF: 45.5/43

- sign -959.679+/-313.656 χ^2/NDF: 17.2/22

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 865.707+/-0.324 χ^2/NDF:224839.3/4

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

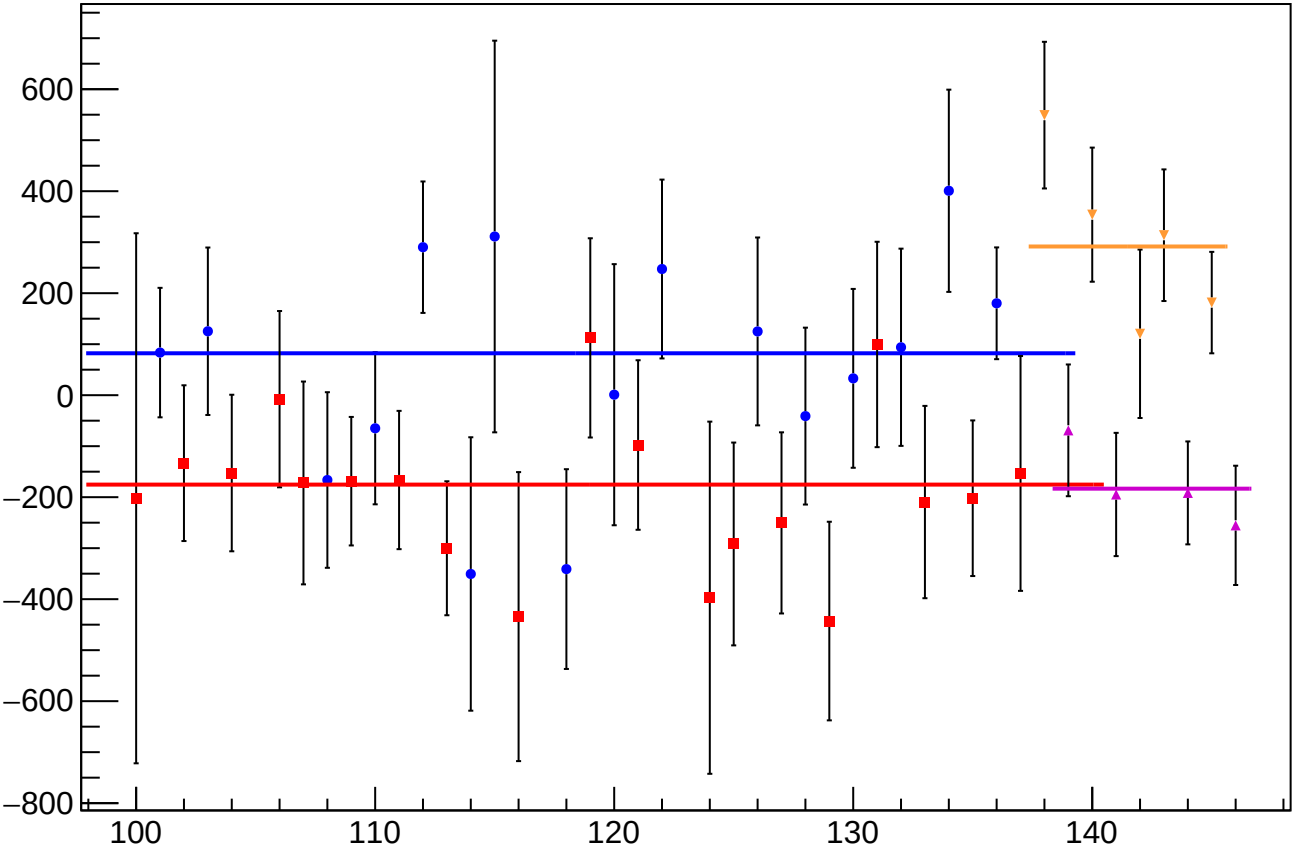
Left In: 864.953+/-0.331 χ^2/NDF:87409.8/3

+ sign 1017.427+/-0.226 χ^2/NDF: 1332365.4/20

All: 1011.679+/-0.158 χ^2/NDF: 2535167.3/43

- sign 1006.122+/-0.222 χ^2/NDF: 1201524.9/22

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 291.578+/-57.354 χ^2/NDF:5.8/4

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

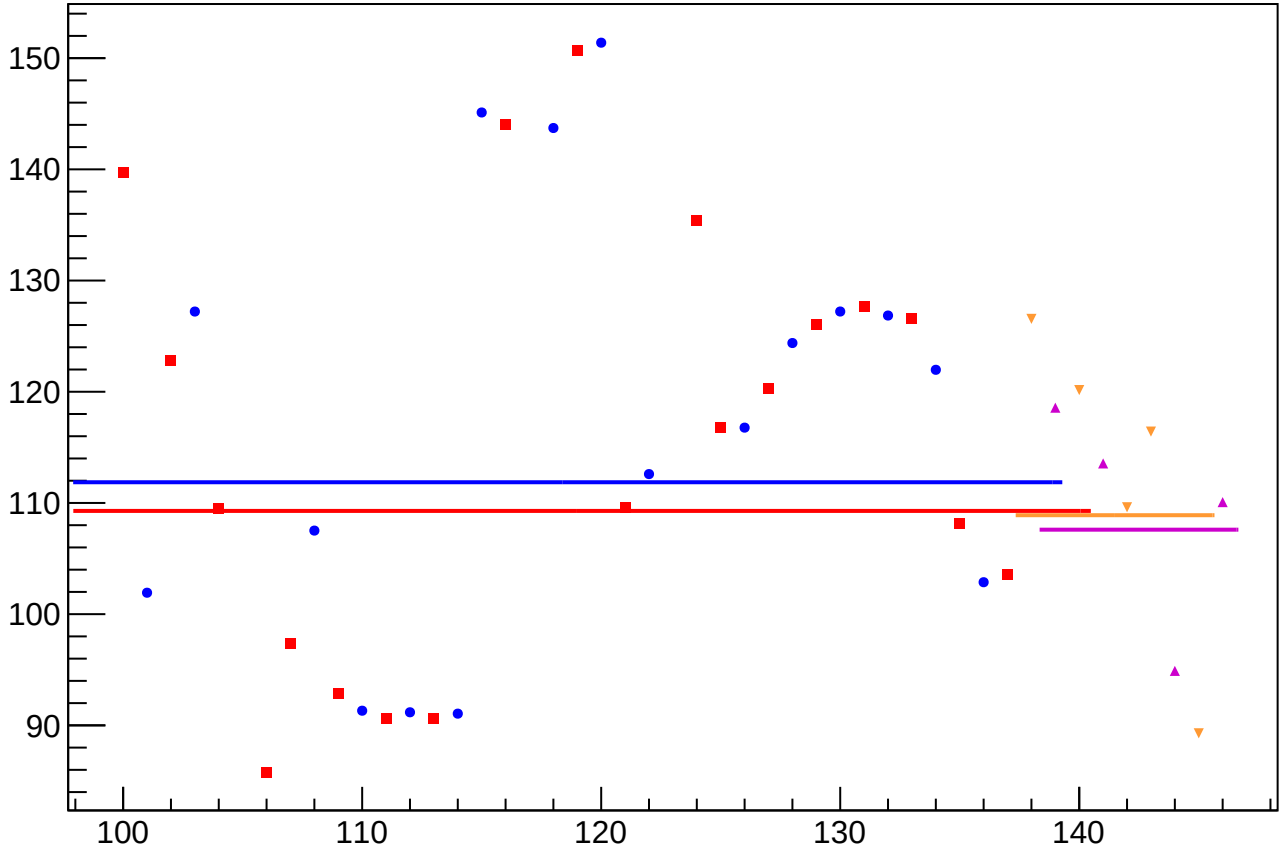
Left In: -183.309+/-57.764 χ^2/NDF:1.2/3

+ sign 155.578+/-33.956 χ^2/NDF: 32.8/20

All: -14.659+/-23.760 χ^2/NDF: 93.2/43

- sign -177.981+/-33.259 χ^2/NDF: 11.1/22

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 108.898+/-0.041 χ^2/NDF:129391.4/4

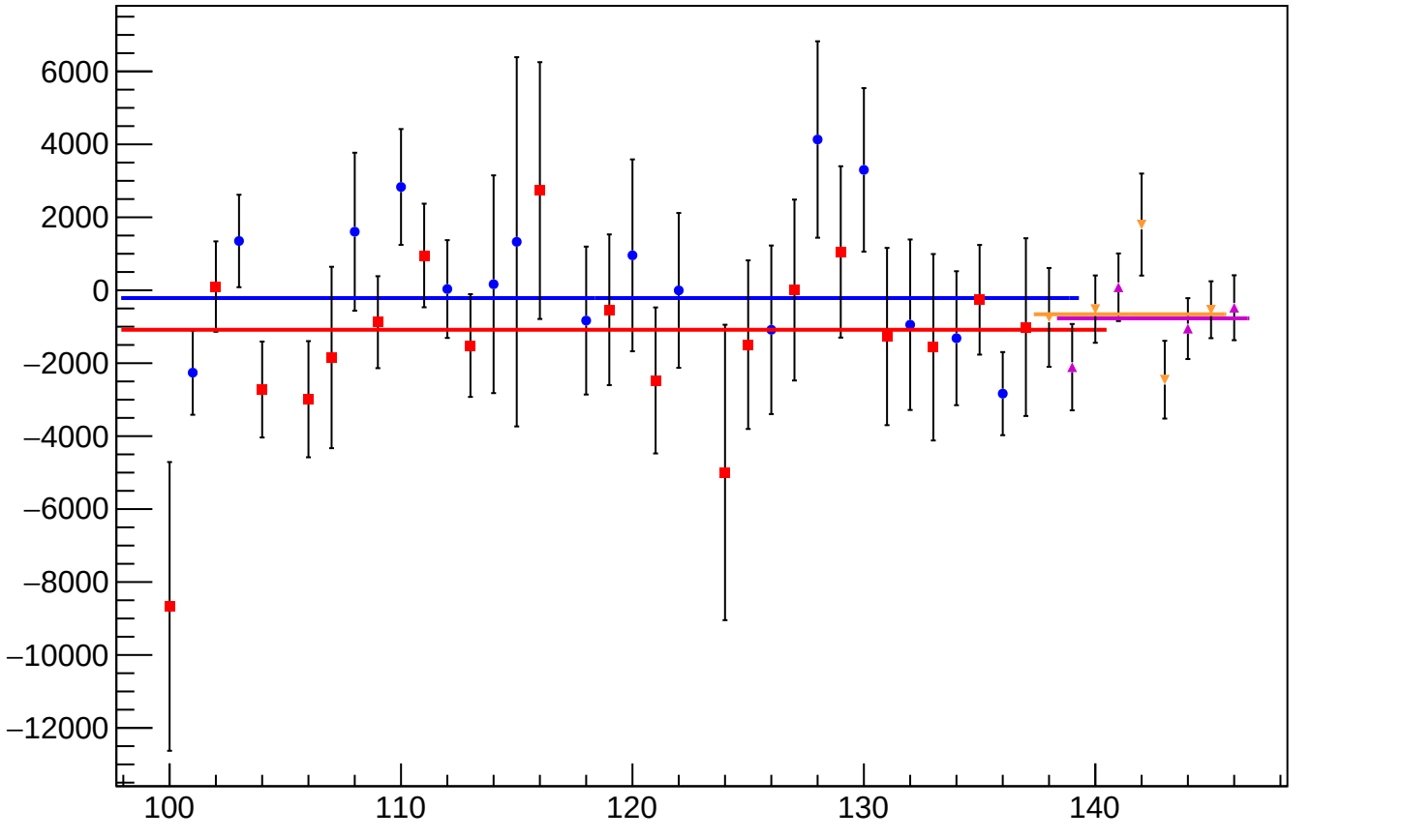
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

\+ sign 110.823+/-0.024 χ^2/NDF: 438885.6/20

All: 109.752+/-0.017 χ^2/NDF: 866480.4/43

\- sign 108.725+/-0.024 χ^2/NDF: 423697.0/22



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -658.433+/-458.678 χ^2/NDF:6.0/4

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

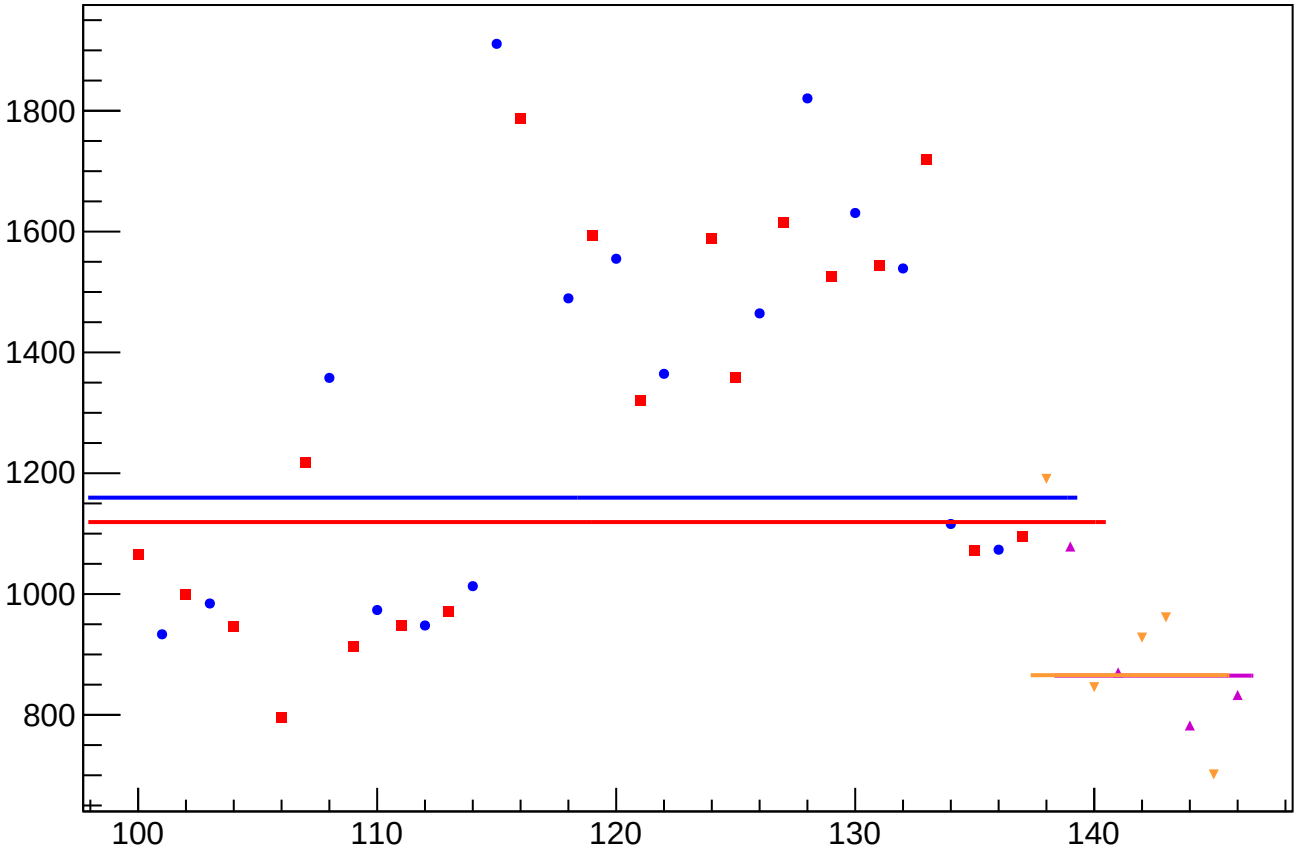
Left In: -770.427+/-467.430 χ^2/NDF:2.3/3

+ sign -429.117+/-319.006 χ^2/NDF: 26.9/20

All: -689.907+/-223.764 χ^2/NDF: 44.7/43

- sign -942.506+/-313.956 χ^2/NDF: 16.5/22

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 865.706+/-0.324 χ^2/NDF:224840.6/4

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

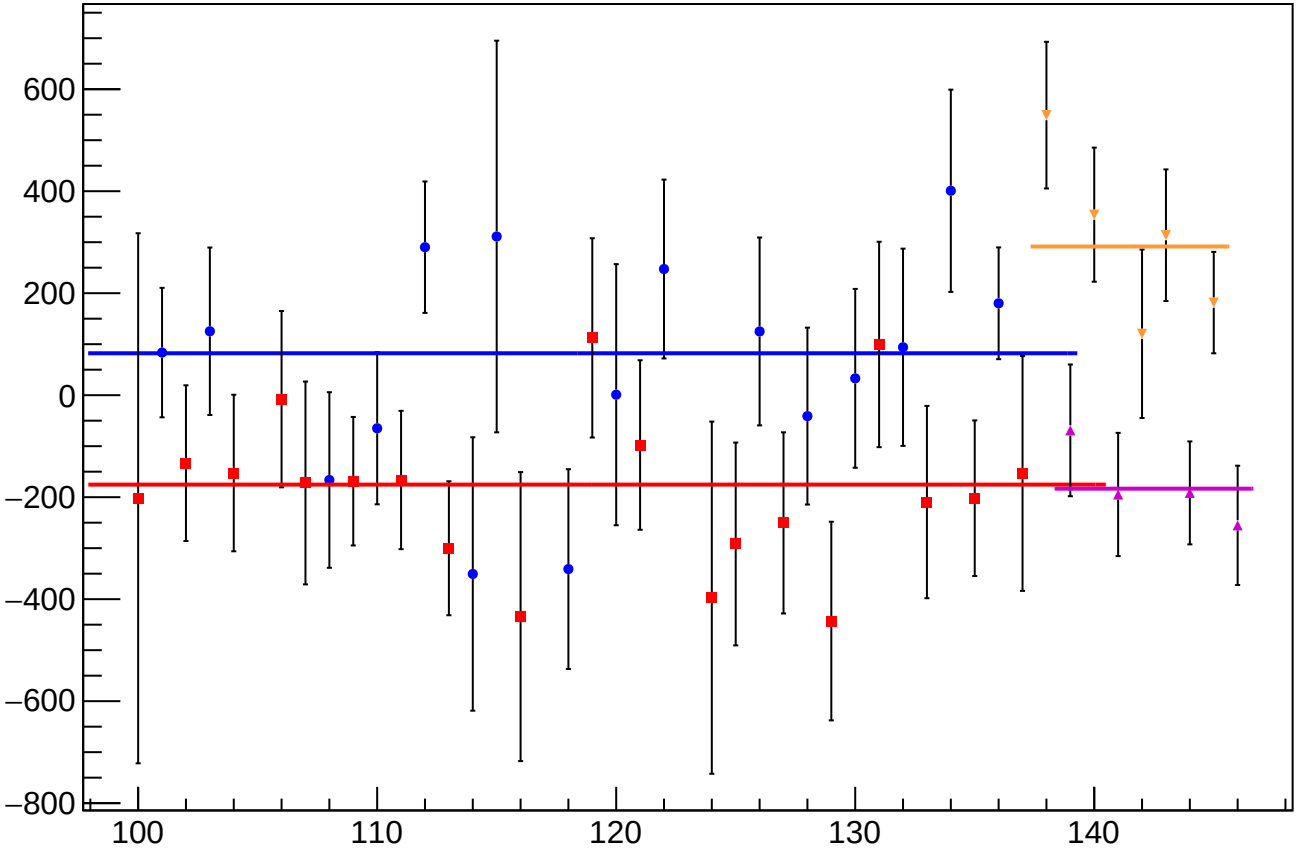
Left In: 864.954+/-0.331 χ^2/NDF:87408.4/3

+ sign 1017.430+/-0.226 χ^2/NDF: 1332363.9/20

All: 1010.850+/-0.158 χ^2/NDF: 2549257.4/43

- sign 1004.477+/-0.222 χ^2/NDF: 1215218.4/22

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 291.578+/-57.354 χ^2/NDF:5.8/4

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

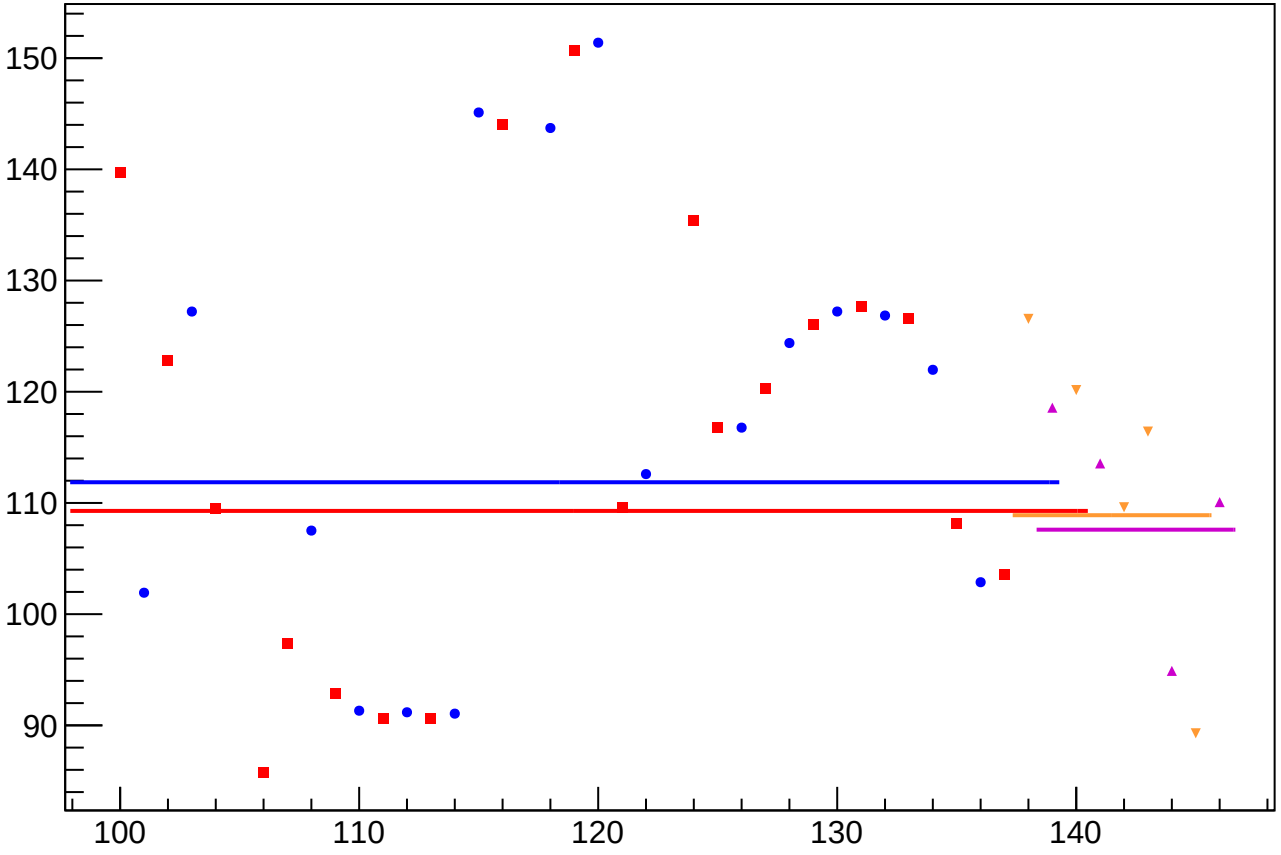
Left In: -183.309+/-57.764 χ^2/NDF:1.2/3

+ sign 155.578+/-33.956 χ^2/NDF: 32.8/20

All: -14.659+/-23.760 χ^2/NDF: 93.2/43

- sign -177.981+/-33.259 χ^2/NDF: 11.1/22

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 108.898+/-0.041 χ^2/NDF:129391.4/4

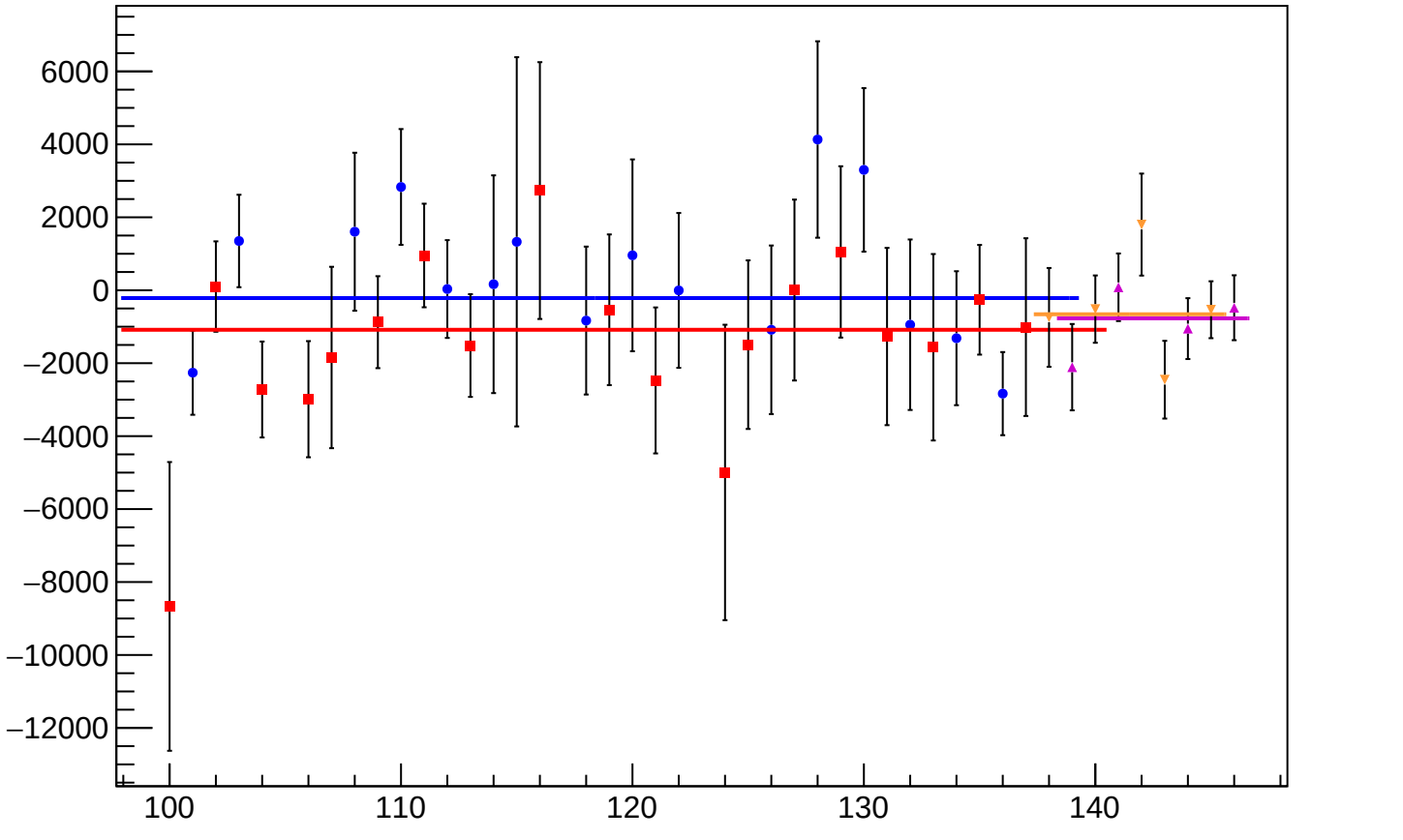
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

\+ sign 110.823+/-0.024 χ^2/NDF: 438885.6/20

All: 109.752+/-0.017 χ^2/NDF: 866480.4/43

\- sign 108.725+/-0.024 χ^2/NDF: 423697.0/22



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -658.433+/-458.678 χ^2/NDF:6.0/4

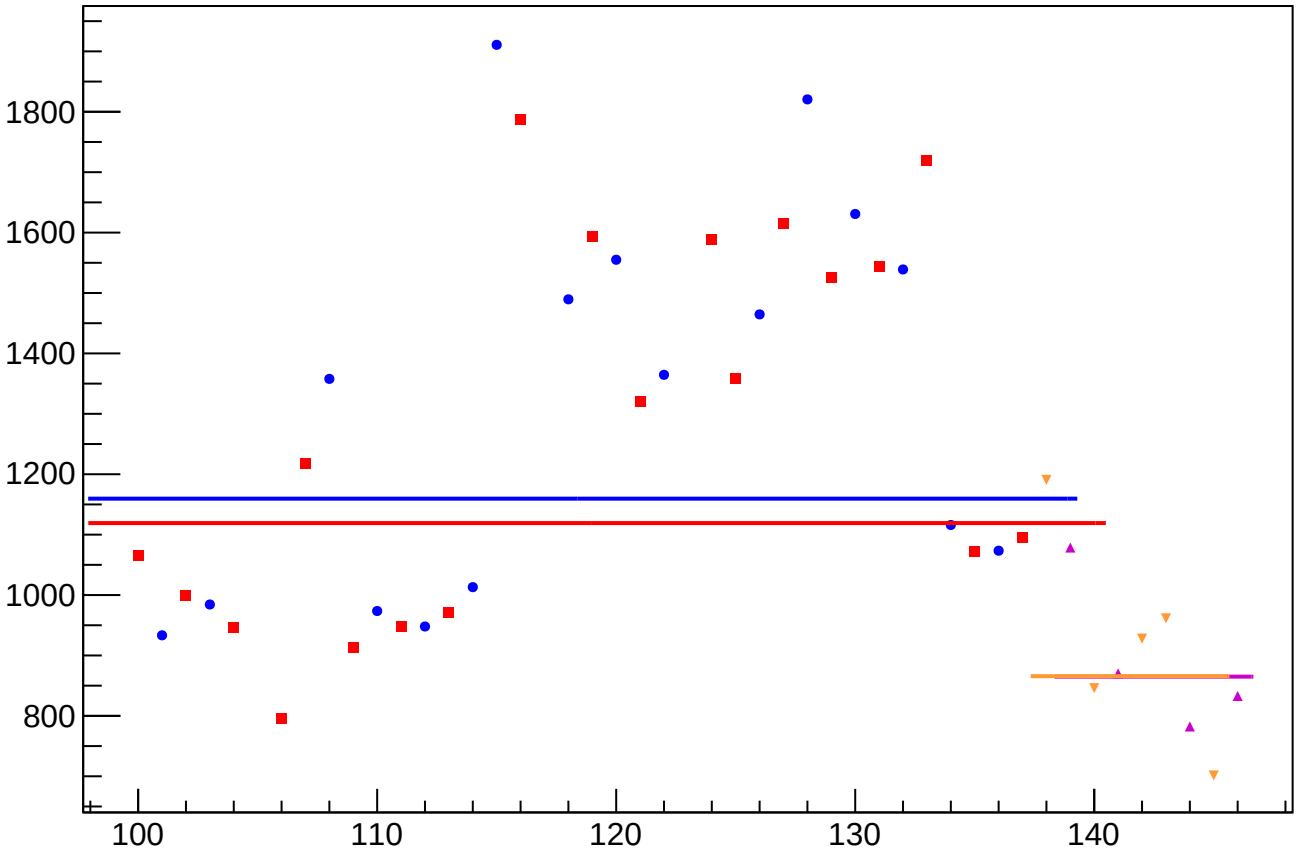
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -770.427+/-467.430 χ^2/NDF:2.3/3

+ sign -429.117+/-319.006 χ^2/NDF: 26.9/20

All: -689.907+/-223.764 χ^2/NDF: 44.7/43

- sign -942.506+/-313.956 χ^2/NDF: 16.5/22



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 865.706+/-0.324 χ^2/NDF:224840.6/4

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

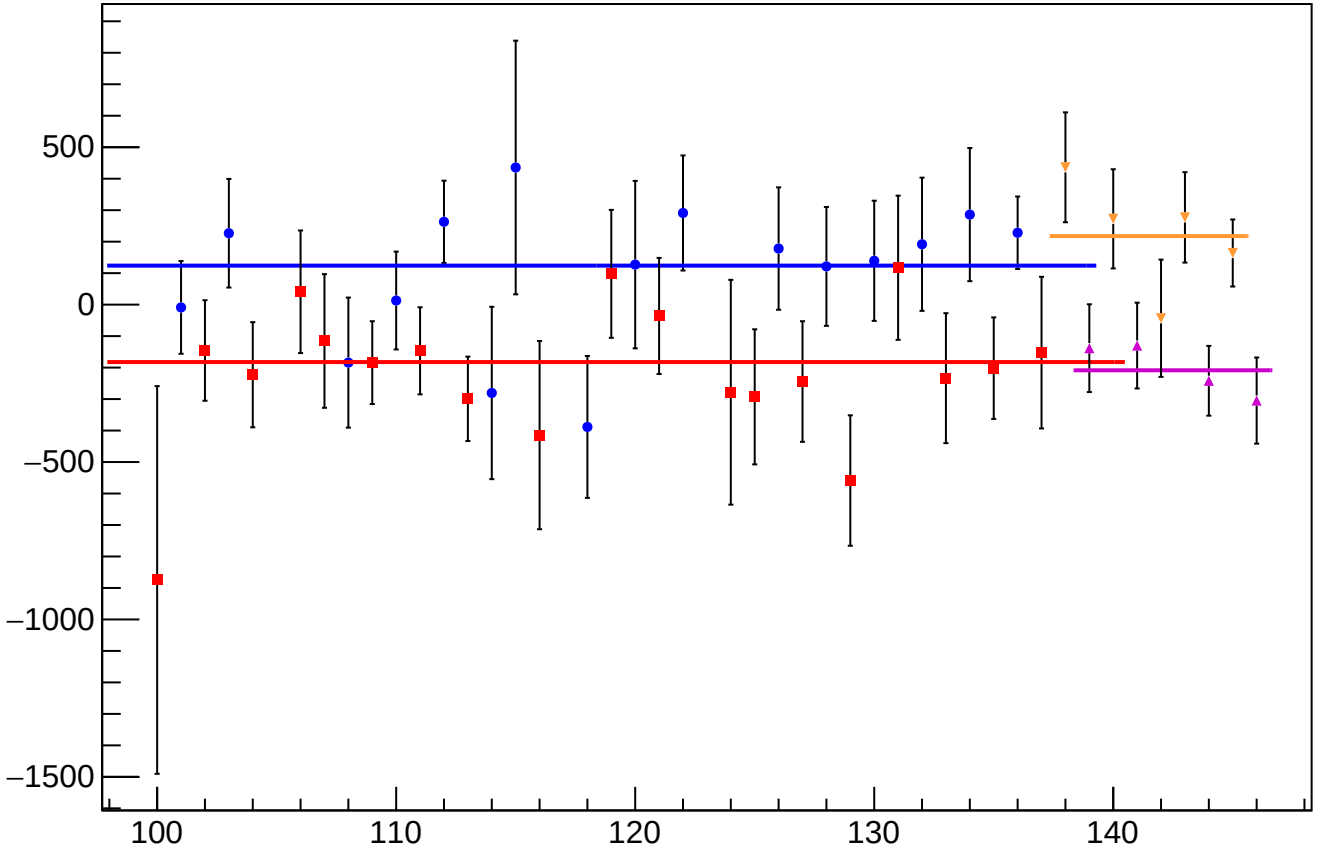
Left In: 864.954+/-0.331 χ^2/NDF:87408.4/3

+ sign 1017.430+/-0.226 χ^2/NDF: 1332363.9/20

All: 1010.850+/-0.158 χ^2/NDF: 2549257.4/43

- sign 1004.477+/-0.222 χ^2/NDF: 1215218.4/22

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.692+/-64.729 χ^2/NDF:4.1/4

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

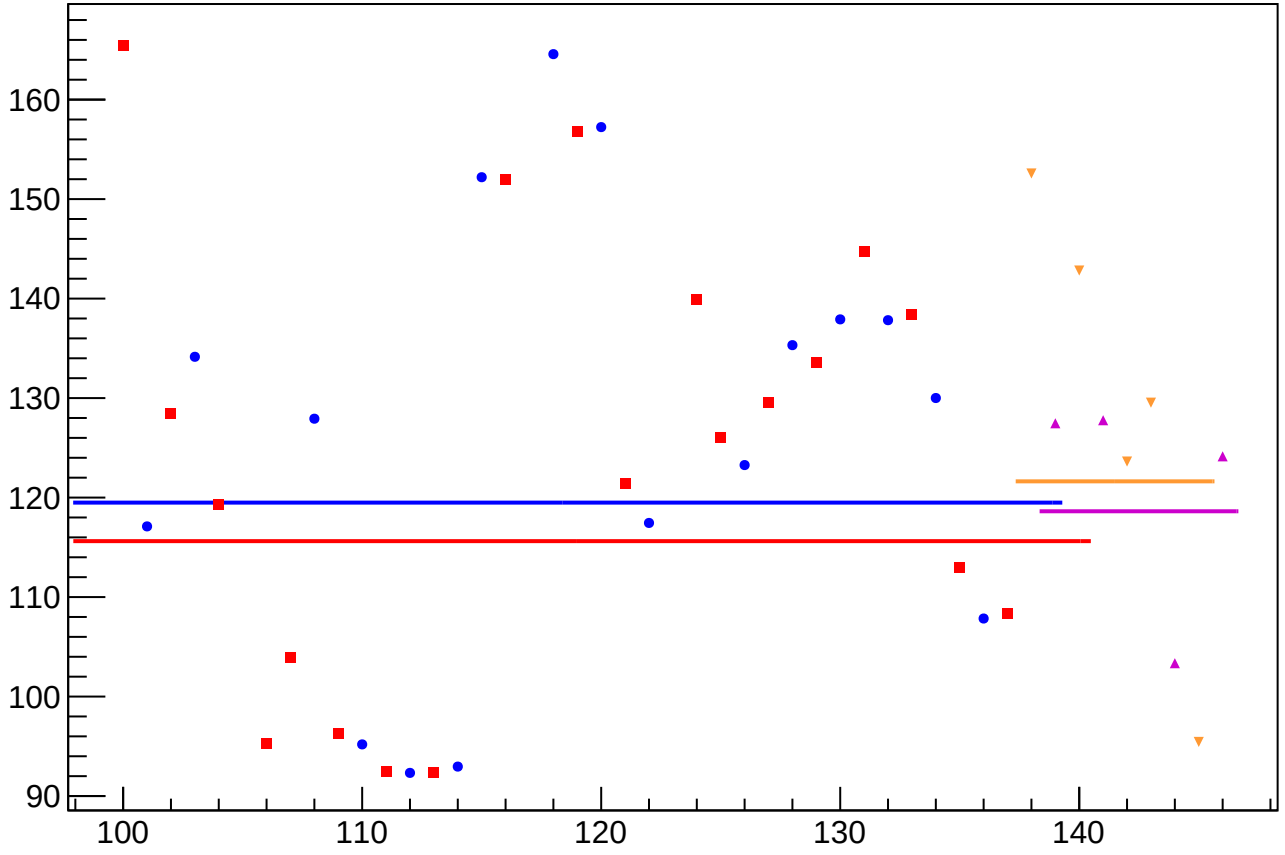
Left In: -208.588+/-64.514 χ^2/NDF:1.2/3

+ sign 154.673+/-37.080 χ^2/NDF: 20.9/20

All: -23.478+/-25.796 χ^2/NDF: 79.2/43

- sign -190.560+/-35.909 χ^2/NDF: 13.6/22

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 121.631+/-0.046 χ^2/NDF:226365.6/4

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

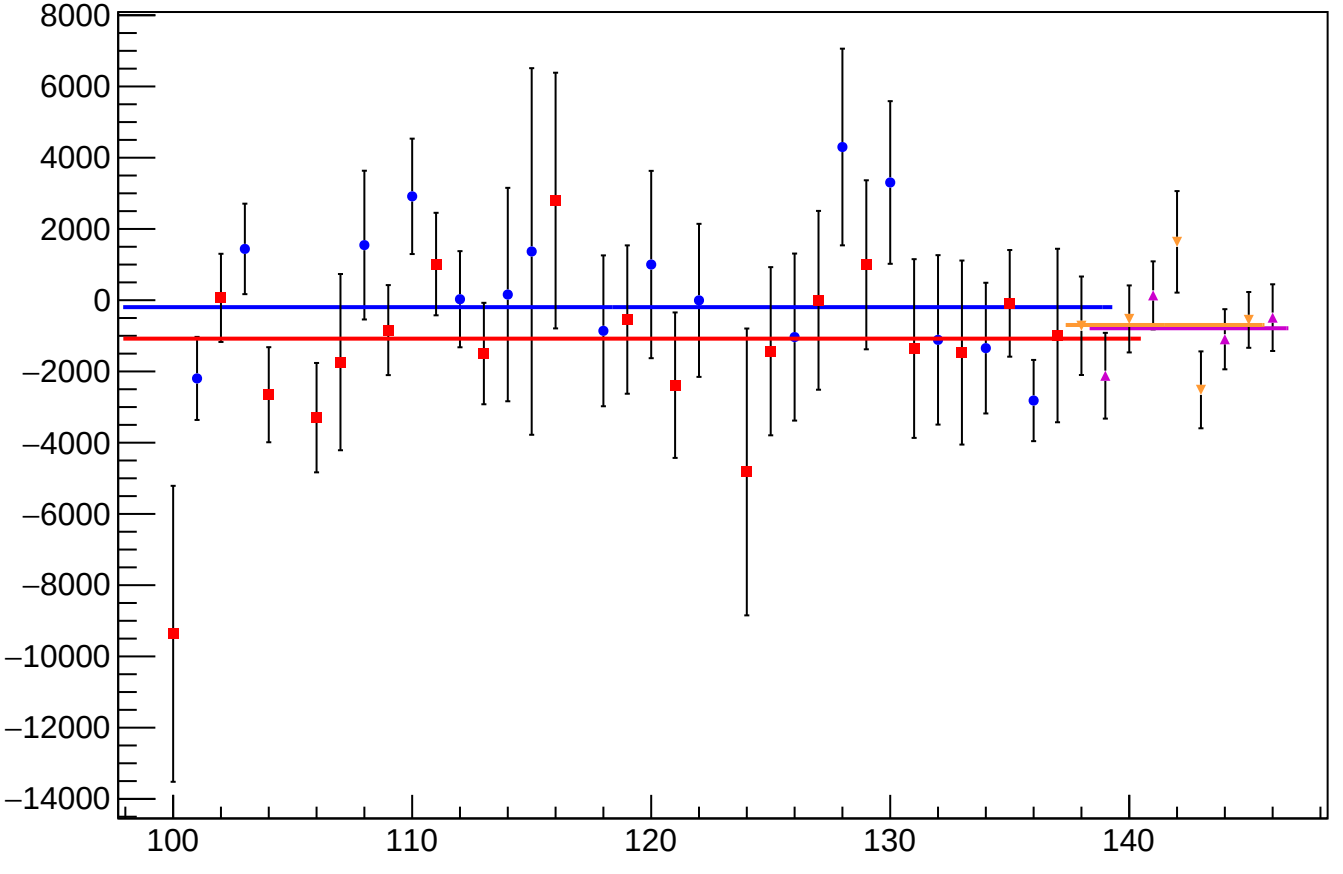
Left In: 118.624+/-0.046 χ^2/NDF:58325.3/3

+ sign 120.196+/-0.026 χ^2/NDF: 608080.4/20

All: 118.315+/-0.018 χ^2/NDF: 1106323.2/43

- sign 116.552+/-0.025 χ^2/NDF: 488275.5/22

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -695.910+/-464.497 χ^2/NDF:5.6/4

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

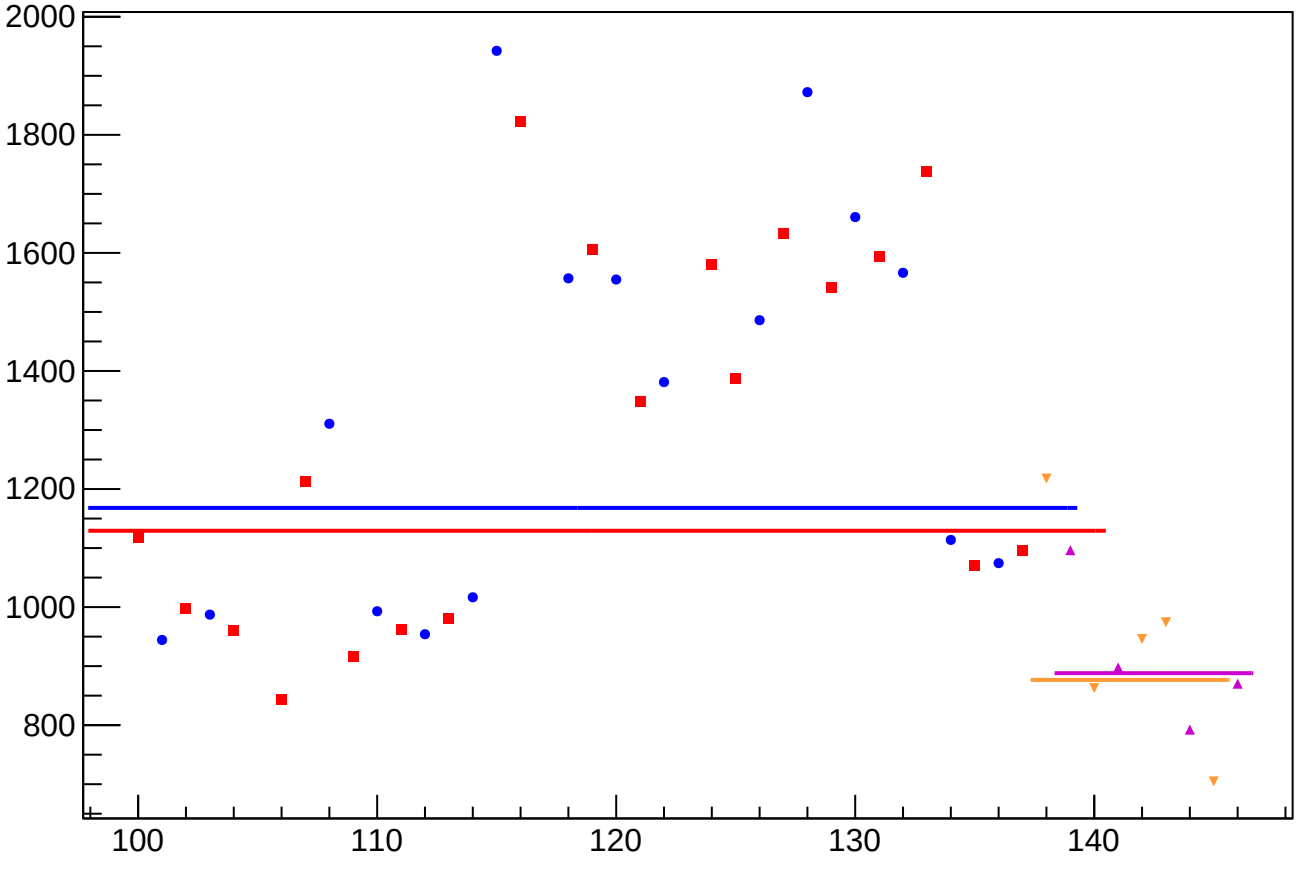
Left In: -787.693+/-480.506 χ^2/NDF:2.4/3

+ sign -436.074+/-322.210 χ^2/NDF: 26.6/20

All: -696.340+/-226.601 χ^2/NDF: 45.1/43

- sign -951.036+/-318.743 χ^2/NDF: 17.2/22

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 876.689+/-0.328 χ^2/NDF:239800.3/4

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

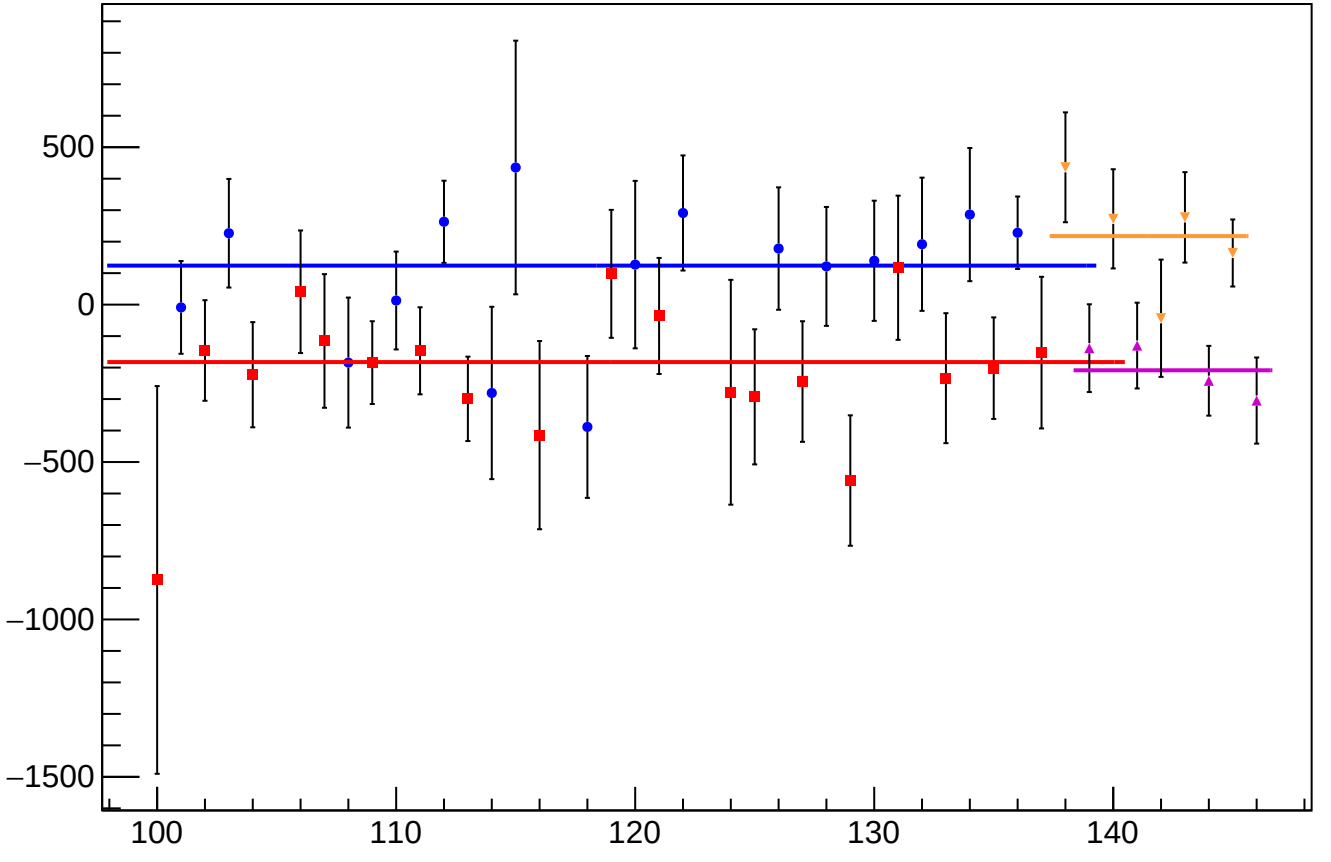
Left In: 888.067+/-0.340 χ^2/NDF:86504.1/3

+ sign 1027.858+/-0.228 χ^2/NDF: 1357463.8/20

All: 1025.483+/-0.160 χ^2/NDF: 2533718.3/43

- sign 1023.159+/-0.225 χ^2/NDF: 1176039.5/22

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.694+/-64.729 χ^2/NDF:4.1/4

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

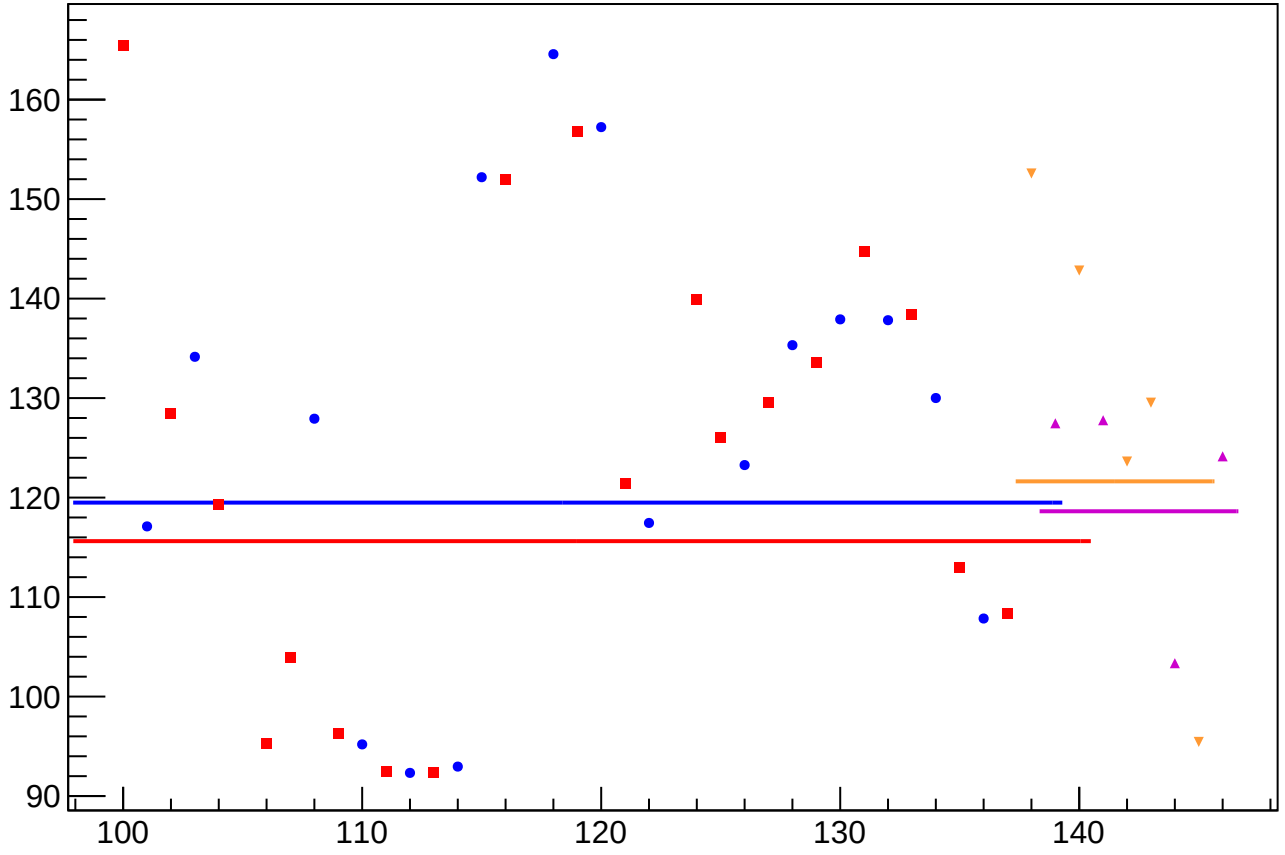
Left In: -208.589+/-64.514 χ^2/NDF:1.2/3

+ sign 154.676+/-37.080 χ^2/NDF: 20.9/20

All: -23.477+/-25.796 χ^2/NDF: 79.2/43

- sign -190.560+/-35.909 χ^2/NDF: 13.6/22

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 121.631+/-0.046 χ^2/NDF:226364.1/4

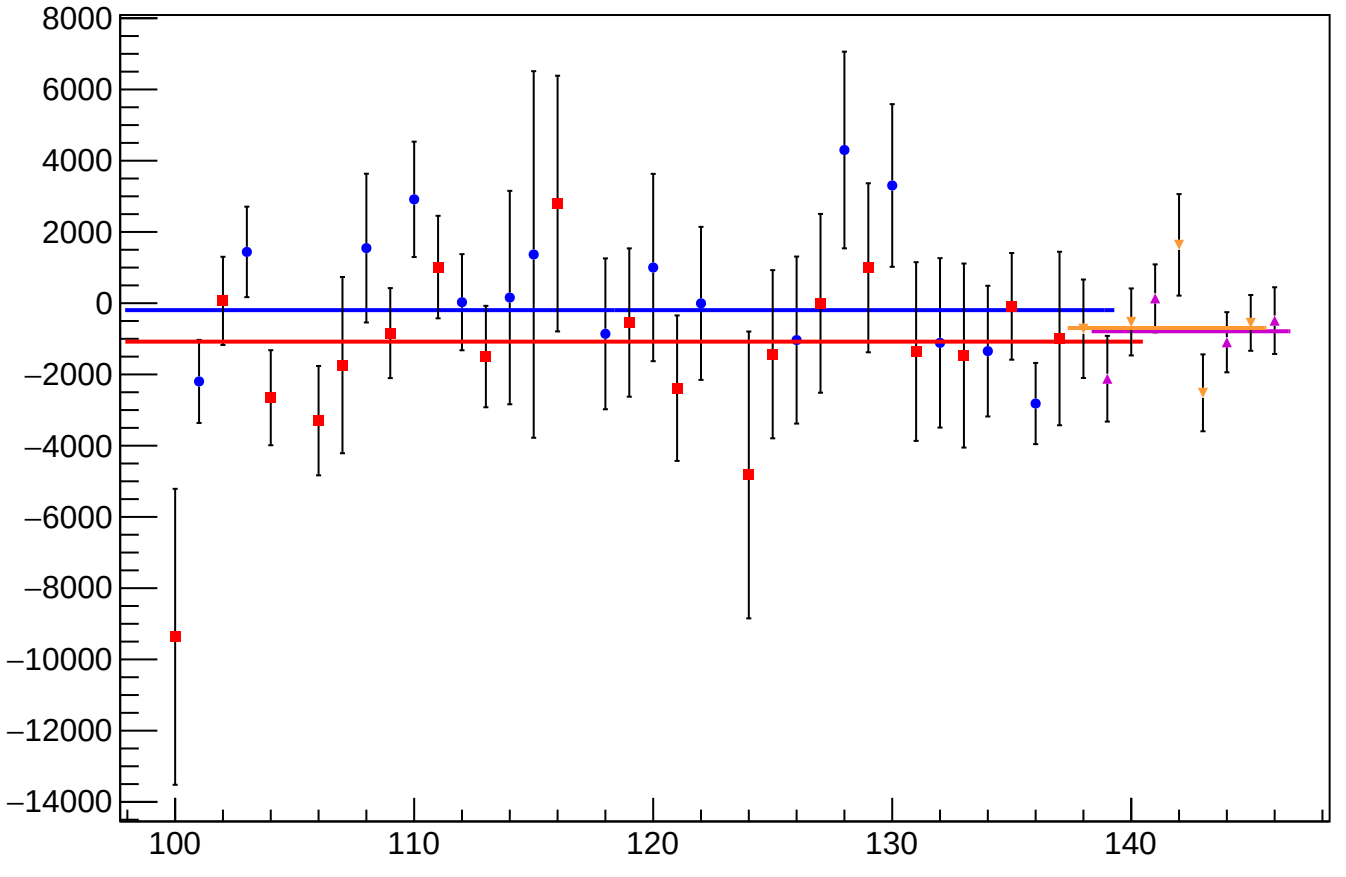
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 118.624+/-0.046 χ^2/NDF:58324.5/3

+ sign 120.196+/-0.026 χ^2/NDF: 608082.4/20

All: 118.315+/-0.018 χ^2/NDF: 1106329.4/43

- sign 116.552+/-0.025 χ^2/NDF: 488279.6/22



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -695.908+/-464.496 χ^2/NDF:5.6/4

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

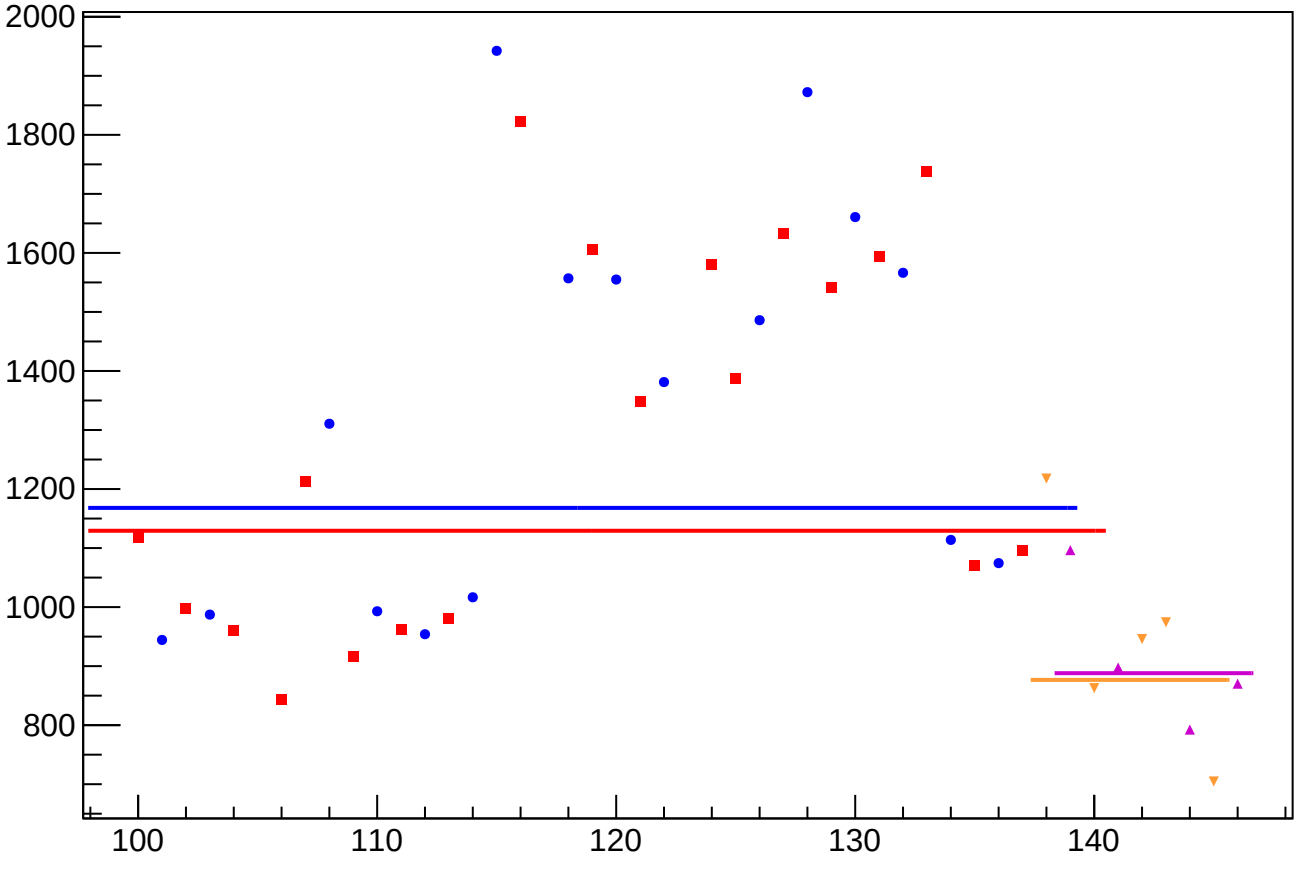
Left In: -787.693+/-480.506 χ^2/NDF:2.4/3

+ sign -436.074+/-322.209 χ^2/NDF: 26.6/20

All: -696.340+/-226.601 χ^2/NDF: 45.1/43

- sign -951.036+/-318.743 χ^2/NDF: 17.2/22

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 876.687+/-0.328 χ^2/NDF:239802.3/4

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

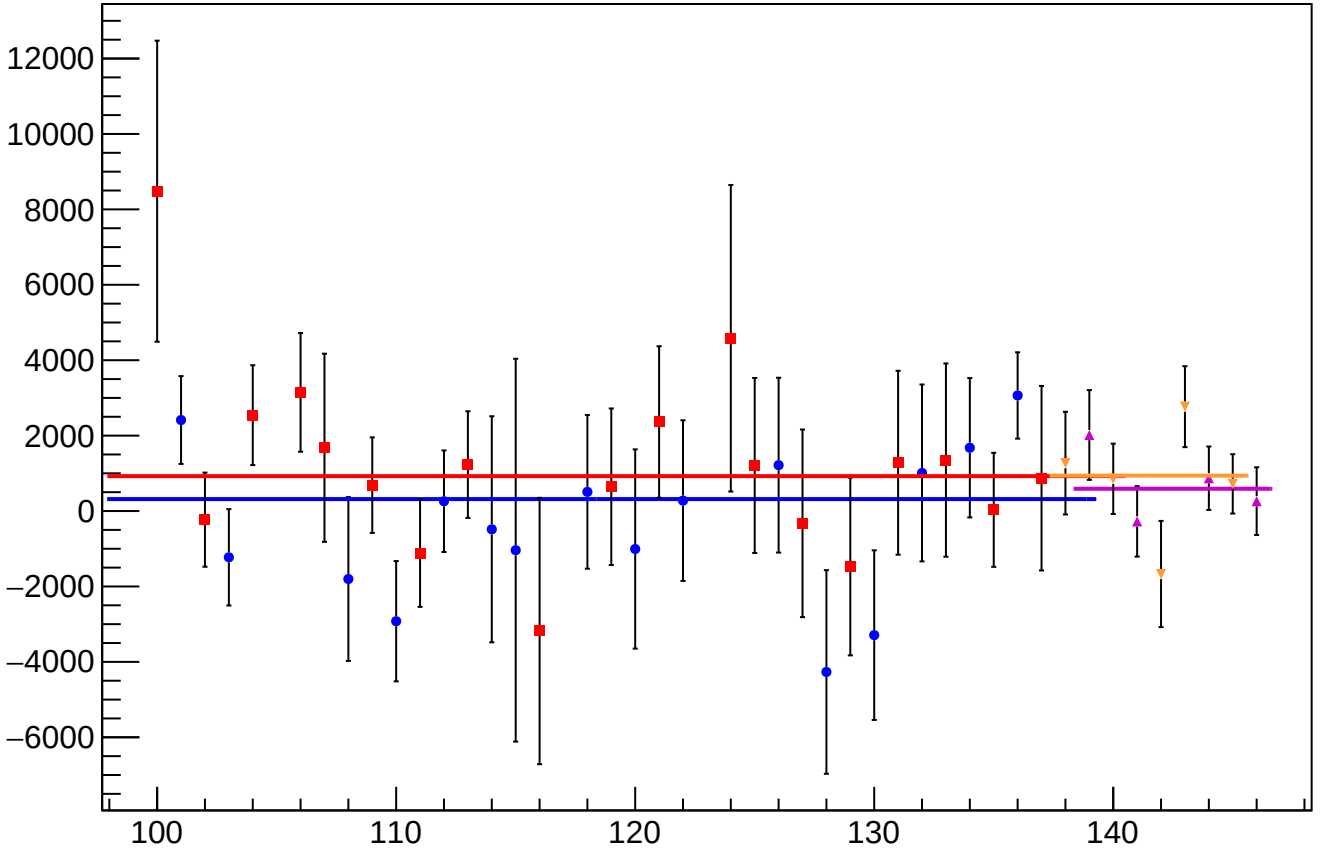
Left In: 888.066+/-0.340 χ^2/NDF:86504.0/3

+ sign 1027.857+/-0.228 χ^2/NDF: 1357472.2/20

All: 1025.483+/-0.160 χ^2/NDF: 2533727.7/43

- sign 1023.159+/-0.225 χ^2/NDF: 1176040.6/22

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 939.129+/-462.410 χ^2/NDF:6.5/4

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

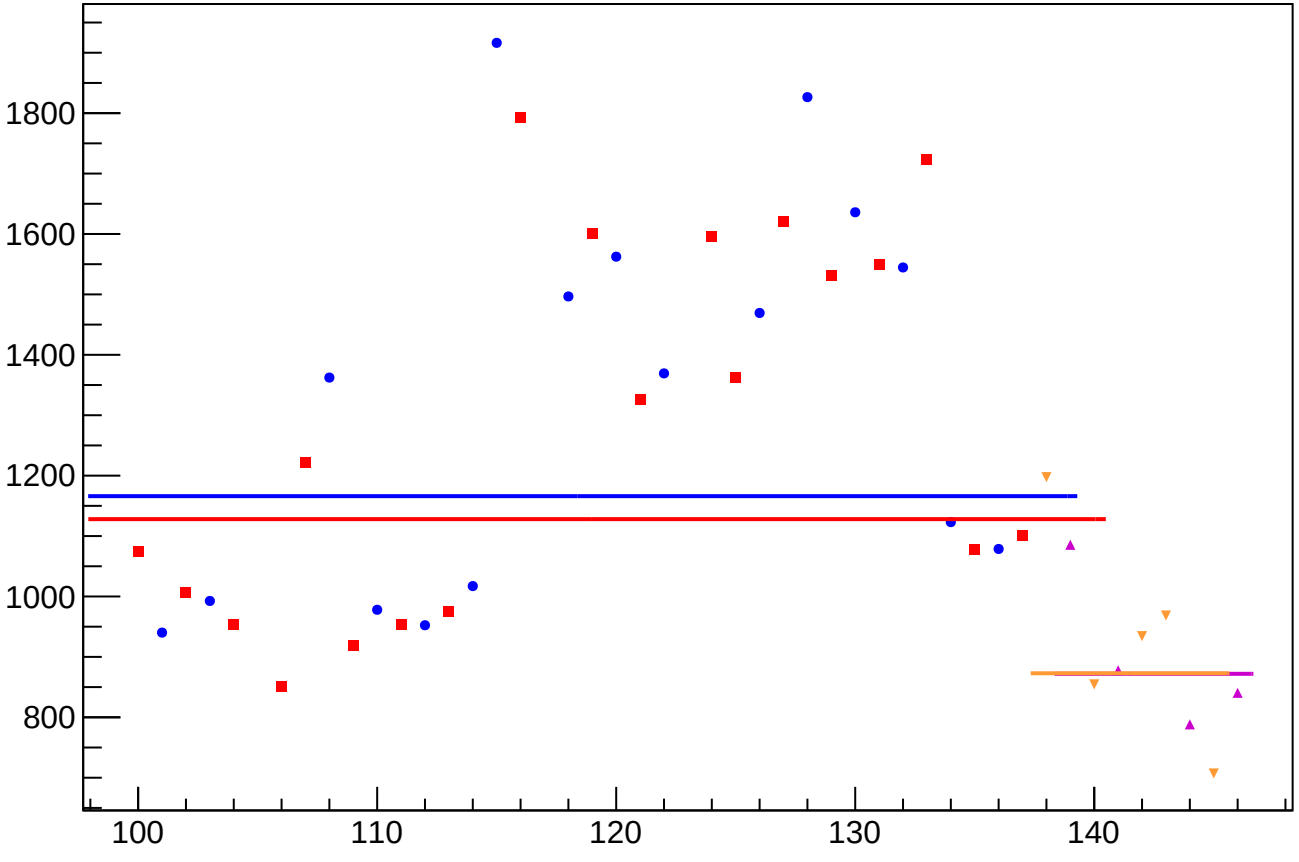
Left In: 591.289+/-471.155 χ^2/NDF:2.5/3

\+ sign 617.256+/-321.141 χ^2/NDF: 29.6/20

All: 697.820+/-225.149 χ^2/NDF: 47.1/43

\- sign 775.700+/-315.746 χ^2/NDF: 17.3/22

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 872.876+/-0.327 χ^2/NDF:222891.1/4

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

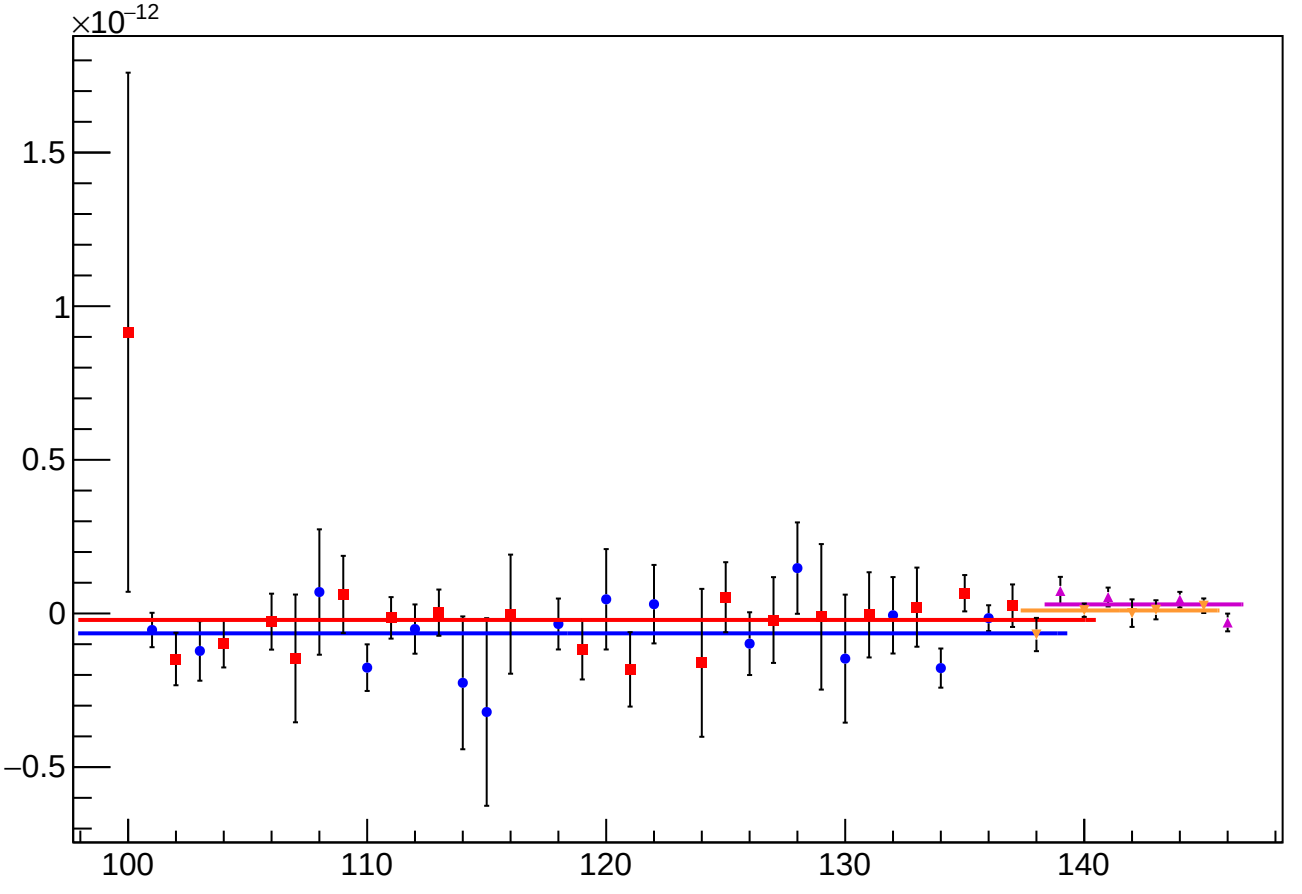
Left In: 871.982+/-0.333 χ^2/NDF:86646.5/3

+ sign 1024.649+/-0.227 χ^2/NDF: 1316157.5/20

All: 1018.738+/-0.159 χ^2/NDF: 2505240.4/43

- sign 1013.025+/-0.223 χ^2/NDF: 1187750.6/22

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

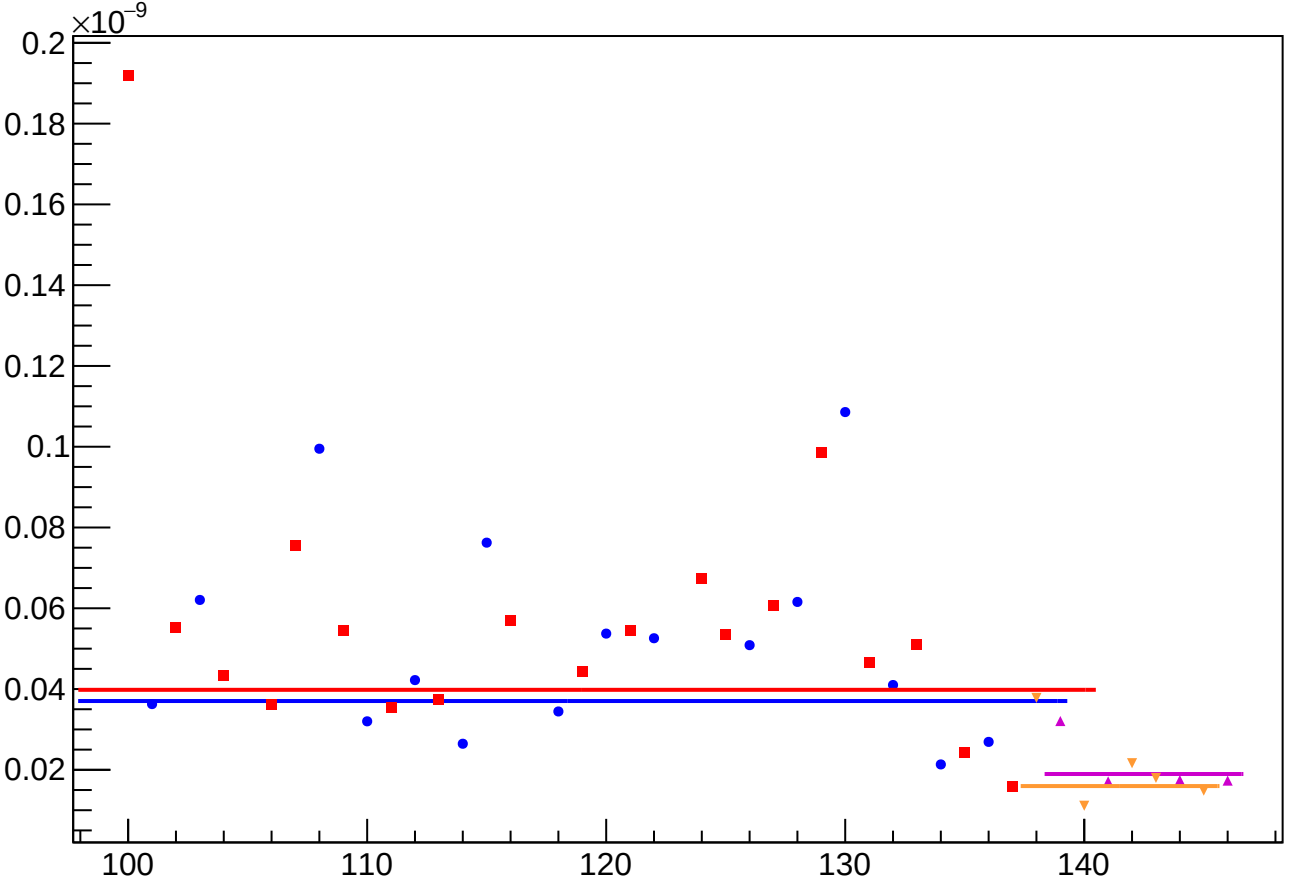
Left In: 0.000+/-0.000 χ^2/NDF:6.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.6/20

All: 0.000+/-0.000 χ^2/NDF: 46.5/43

- sign 0.000+/-0.000 χ^2/NDF: 20.9/22

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:471068.1/4

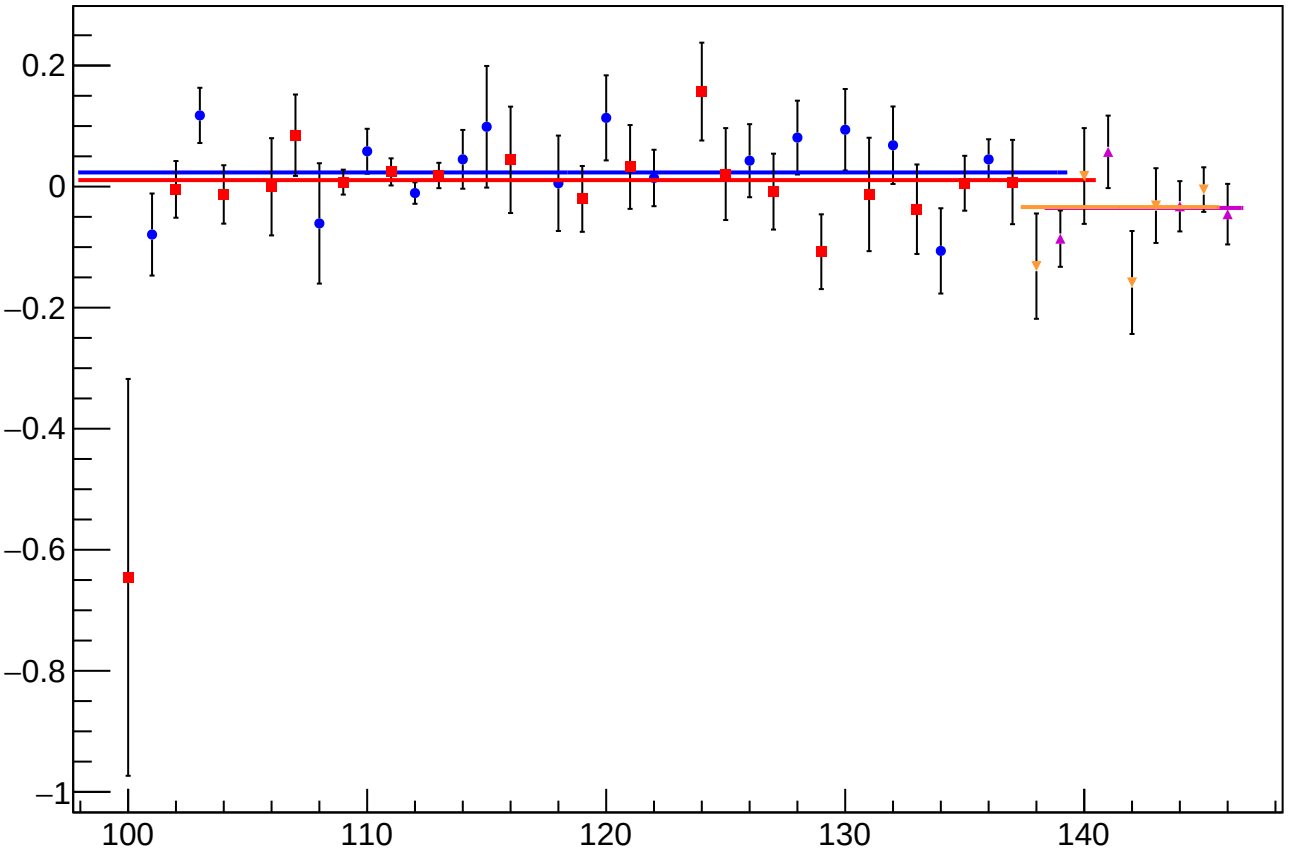
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:184553.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 2831170.3/20

All: 0.000+/-0.000 χ^2/NDF: 5147767.5/43

- sign 0.000+/-0.000 χ^2/NDF: 2222106.1/22



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

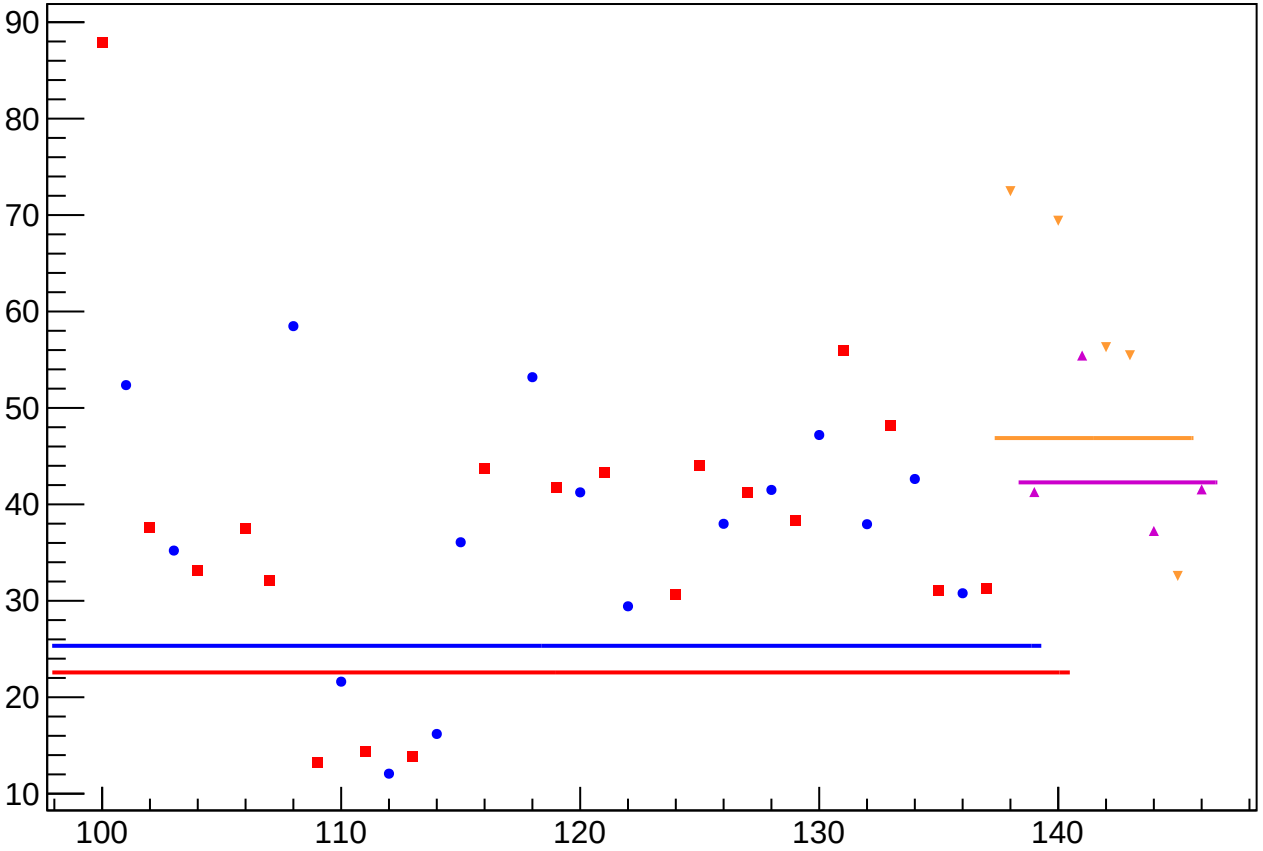
Left In: -0.035+/-0.024 χ^2/NDF:3.6/3

+ sign 0.015+/-0.010 χ^2/NDF: 29.2/20

All: 0.009+/-0.007 χ^2/NDF: 50.8/43

- sign 0.004+/-0.009 χ^2/NDF: 21.0/22

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: 46.876+/-0.019 χ^2/NDF:699996.8/4

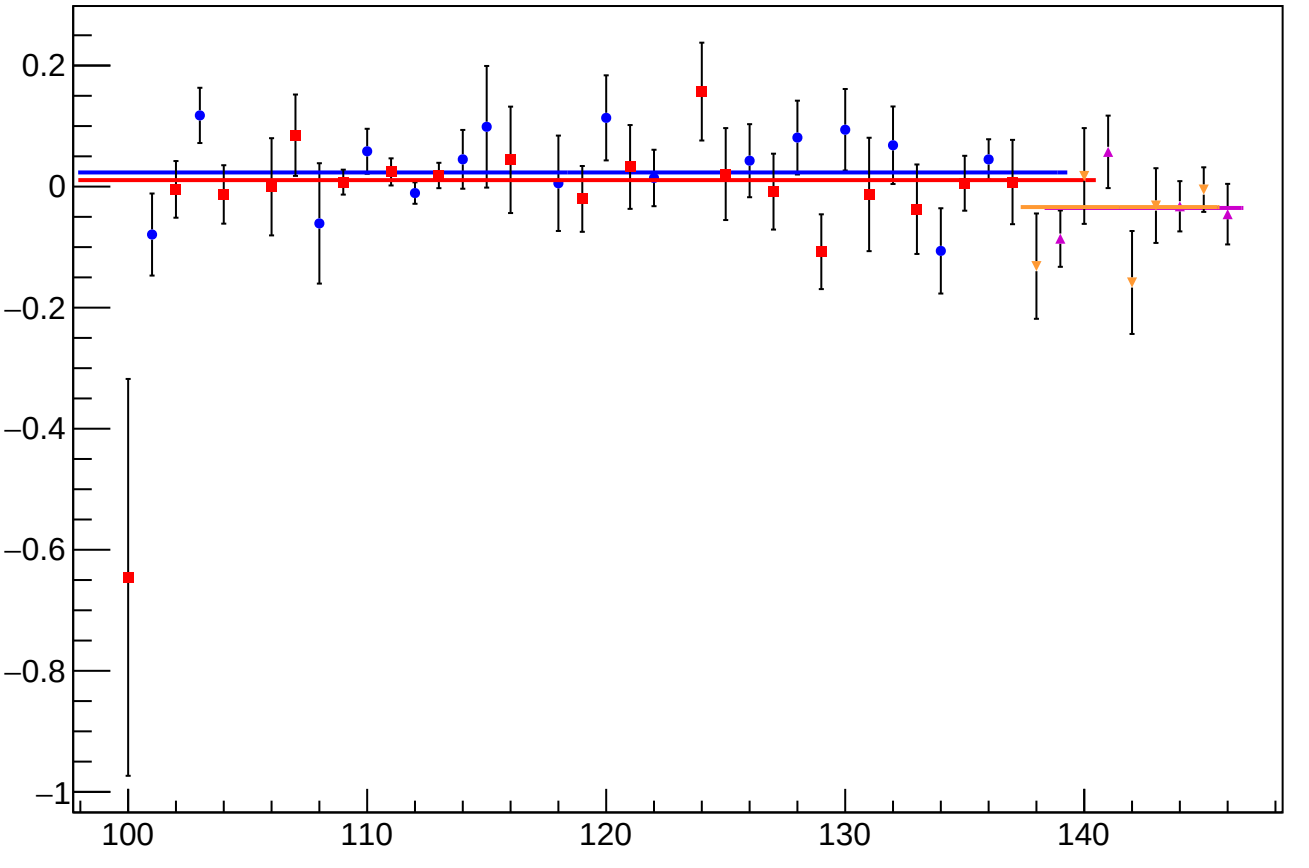
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.279+/-0.017 χ^2/NDF:127230.5/3

+ sign 28.544+/-0.007 χ^2/NDF: 4754144.2/20

All: 26.769+/-0.005 χ^2/NDF: 9275761.2/43

- sign 25.365+/-0.006 χ^2/NDF: 4413361.6/22



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

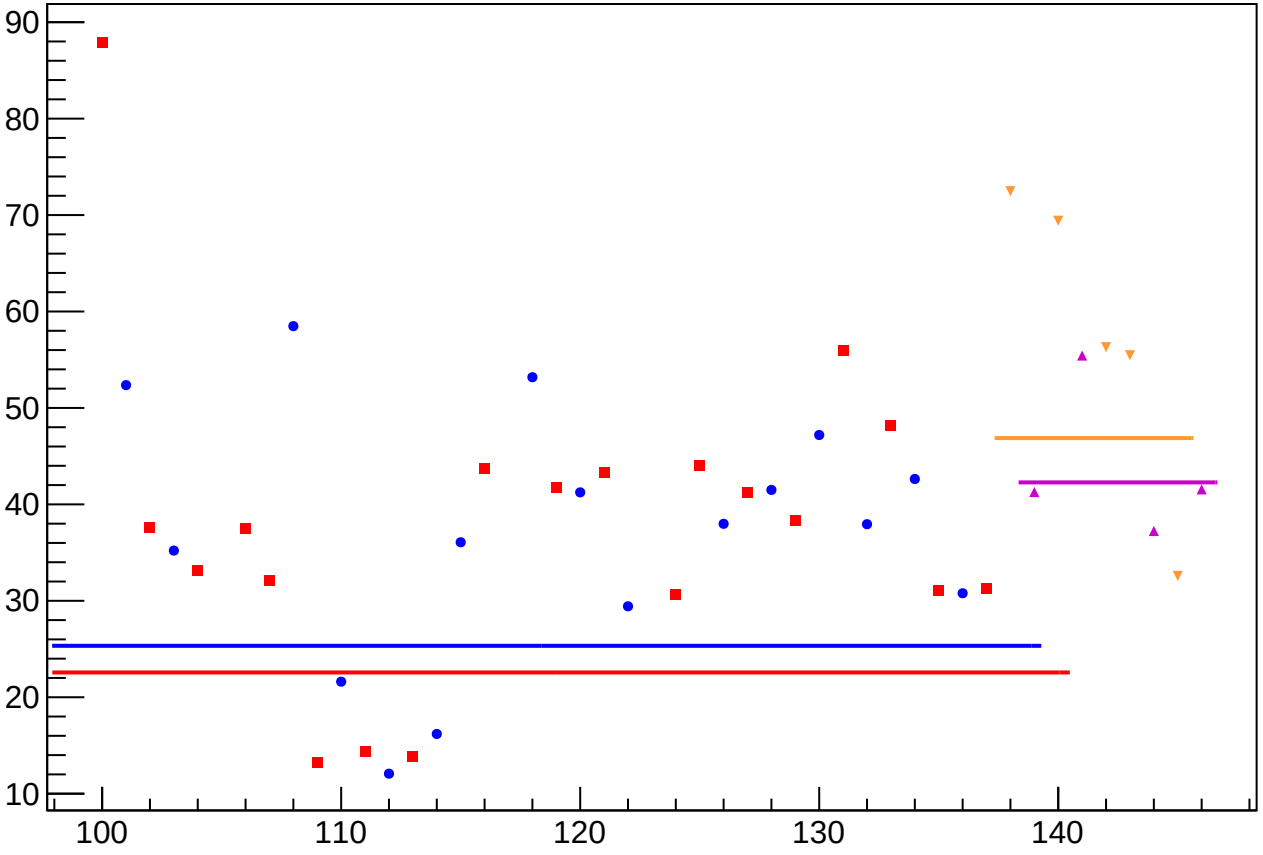
Left In: -0.035+/-0.024 χ^2/NDF:3.6/3

+ sign 0.015+/-0.010 χ^2/NDF: 29.2/20

All: 0.009+/-0.007 χ^2/NDF: 50.8/43

- sign 0.004+/-0.009 χ^2/NDF: 21.0/22

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.876+/-0.019 χ^2/NDF:699996.8/4

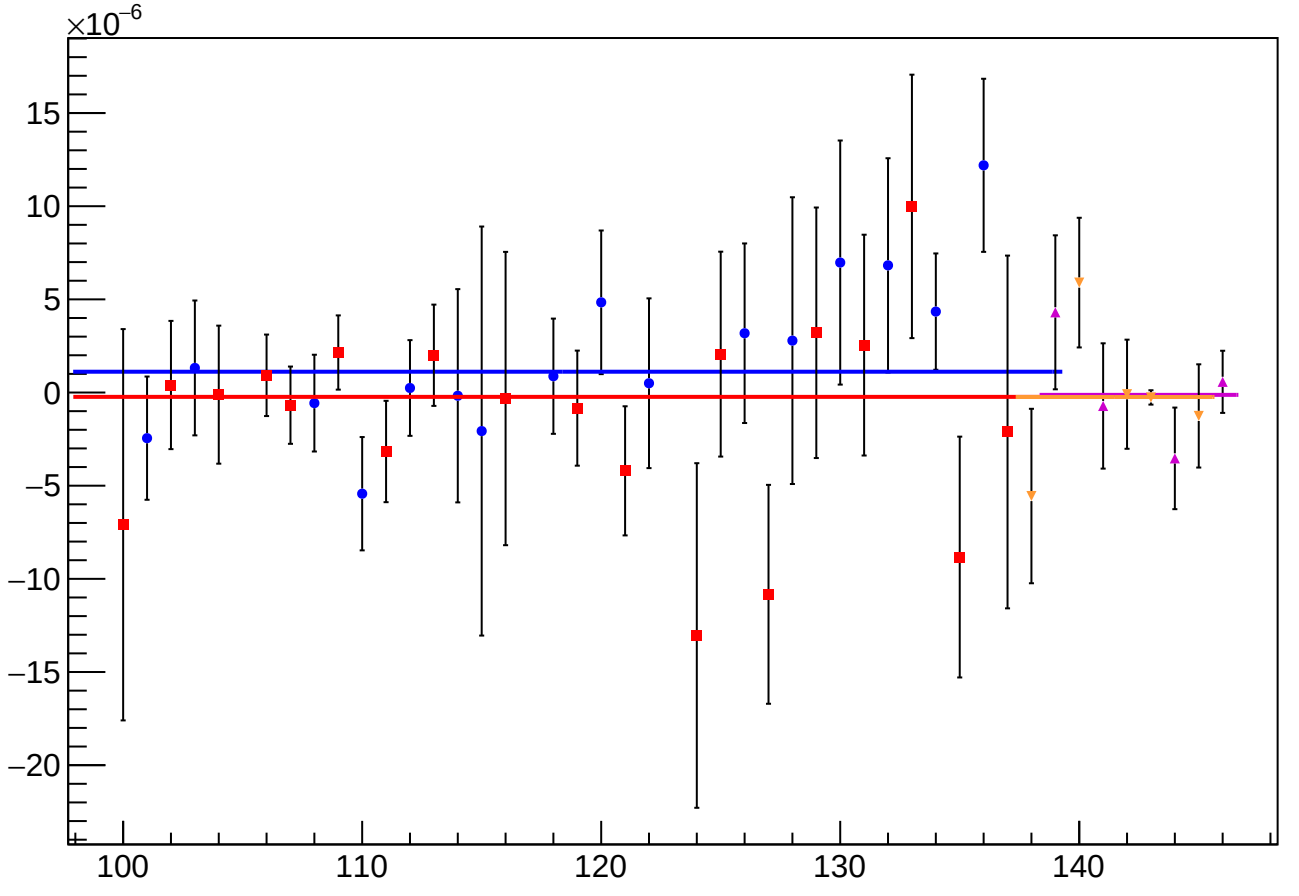
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.279+/-0.017 χ^2/NDF:127230.5/3

+ sign 28.544+/-0.007 χ^2/NDF: 4754144.2/20

All: 26.769+/-0.005 χ^2/NDF: 9275761.2/43

- sign 25.365+/-0.006 χ^2/NDF: 4413361.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

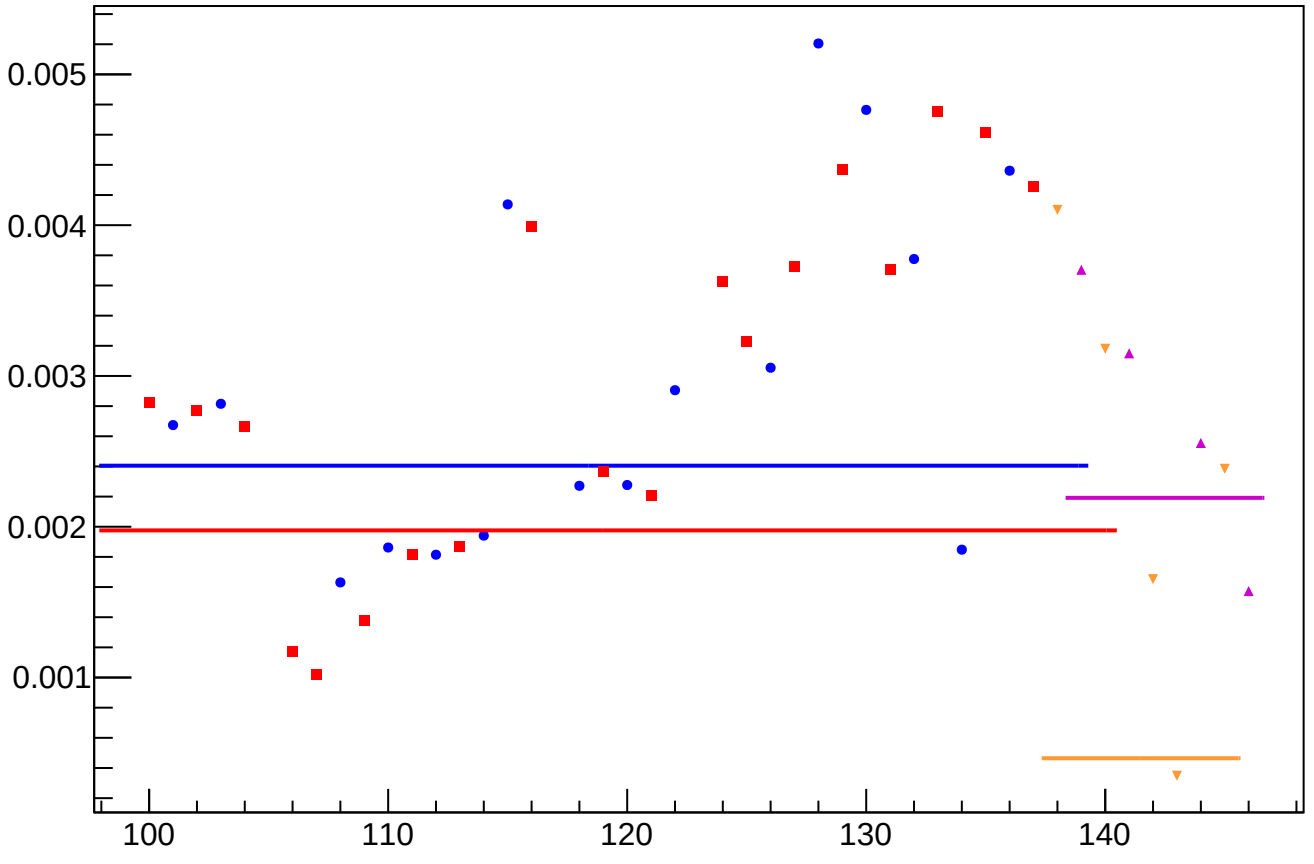
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/20

All: -0.000+/-0.000 χ^2/NDF: 40.6/43

- sign -0.000+/-0.000 χ^2/NDF: 18.1/22



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3894856.7/4

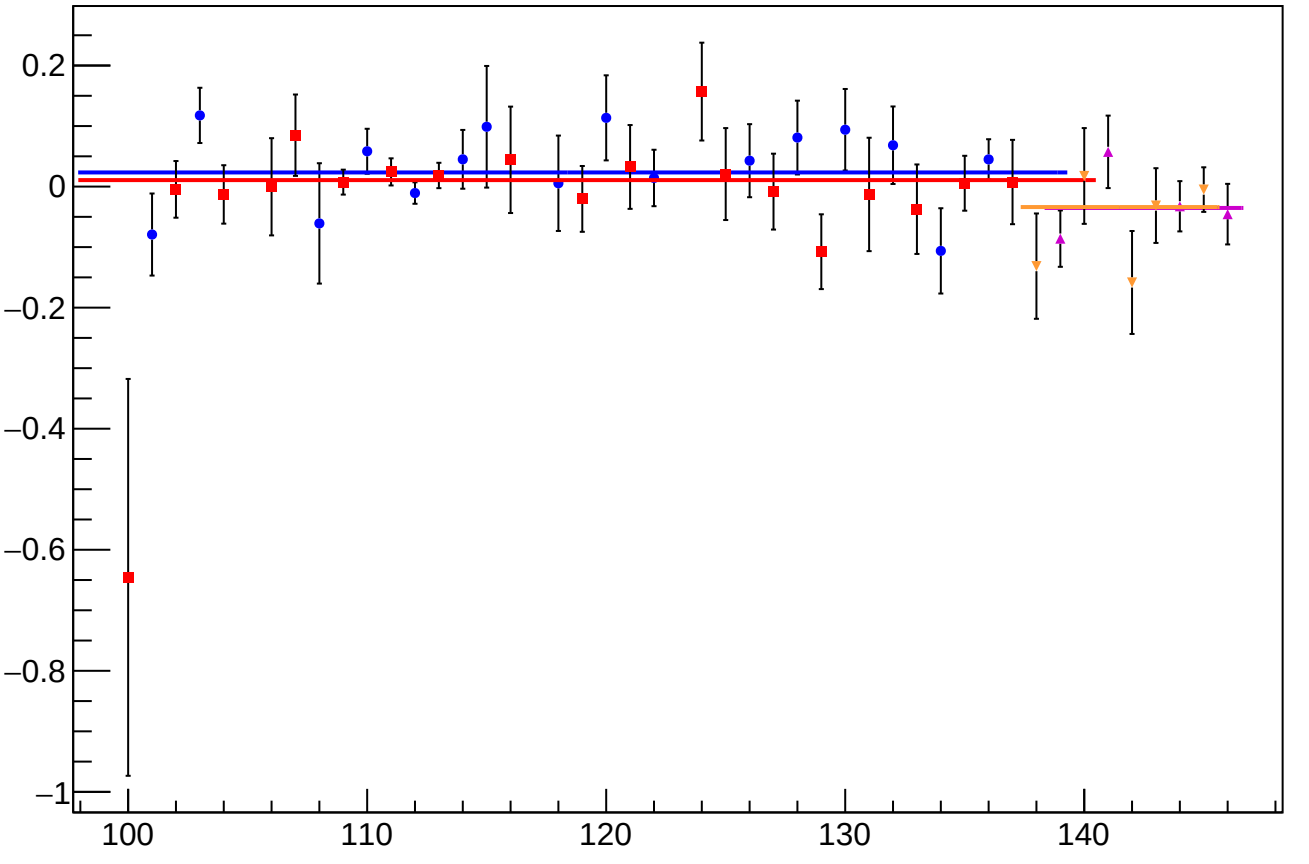
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:741066.7/3

+ sign 0.001+/-0.000 χ^2/NDF: 12620423.7/20

All: 0.001+/-0.000 χ^2/NDF: 22080119.7/43

- sign 0.002+/-0.000 χ^2/NDF: 3558447.8/22



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

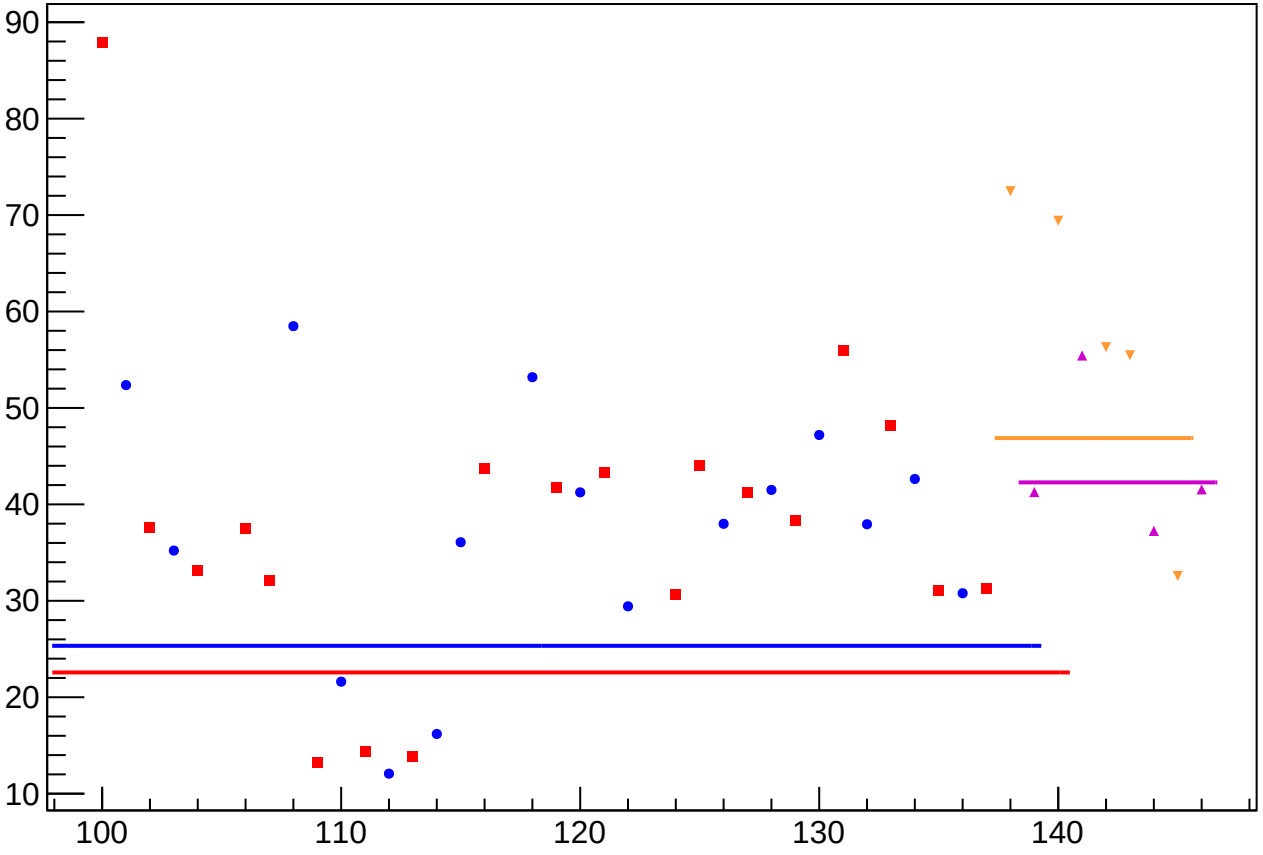
Left In: -0.035+/-0.024 χ^2/NDF:3.6/3

+ sign 0.015+/-0.010 χ^2/NDF: 29.2/20

All: 0.009+/-0.007 χ^2/NDF: 50.8/43

- sign 0.004+/-0.009 χ^2/NDF: 21.0/22

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: 46.876+/-0.019 χ^2/NDF:699969.5/4

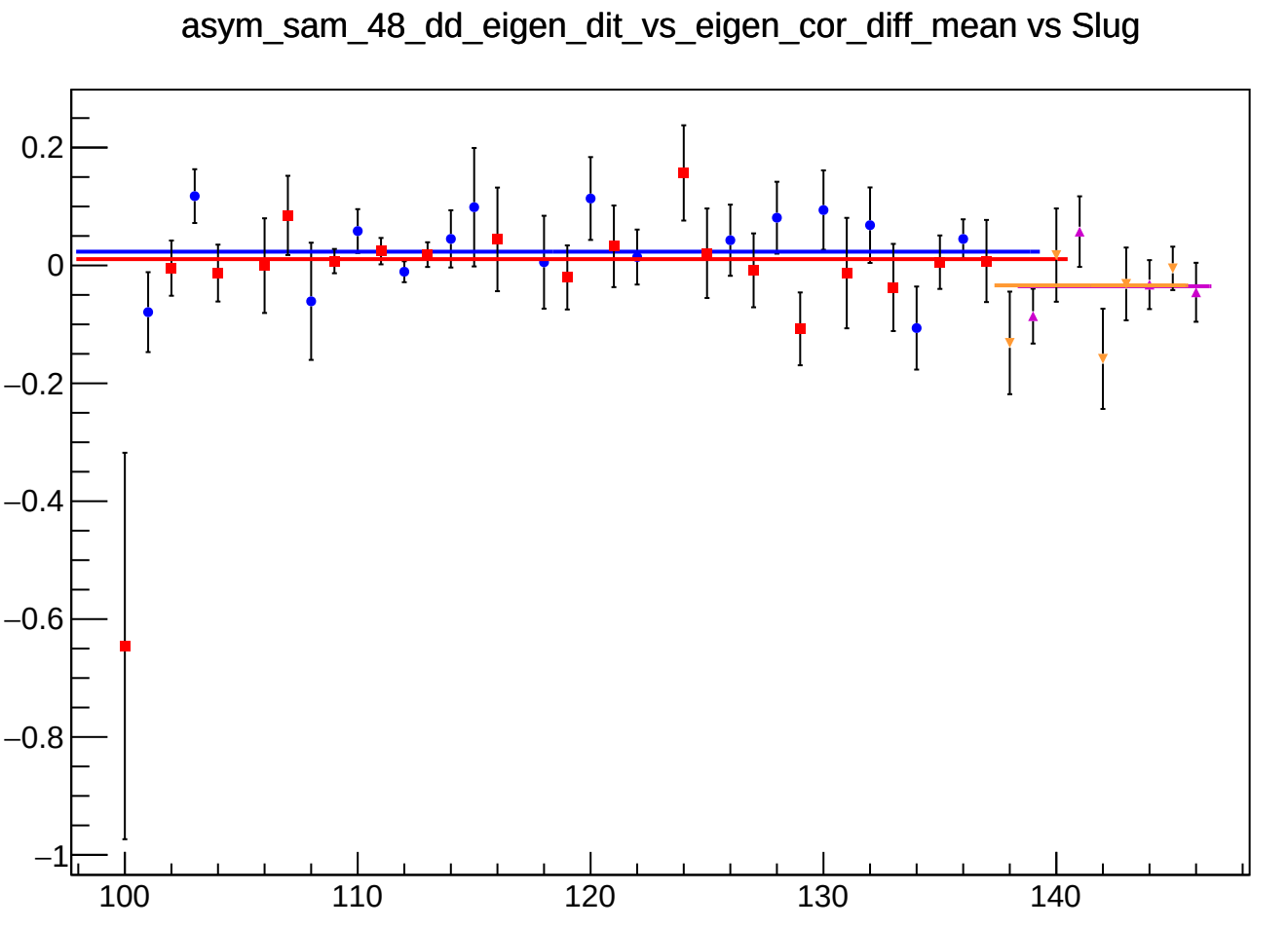
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 42.280+/-0.017 χ^2/NDF:127228.3/3

+ sign 28.543+/-0.007 χ^2/NDF: 4754720.3/20

All: 26.769+/-0.005 χ^2/NDF: 9276490.0/43

- sign 25.365+/-0.006 χ^2/NDF: 4413577.4/22



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

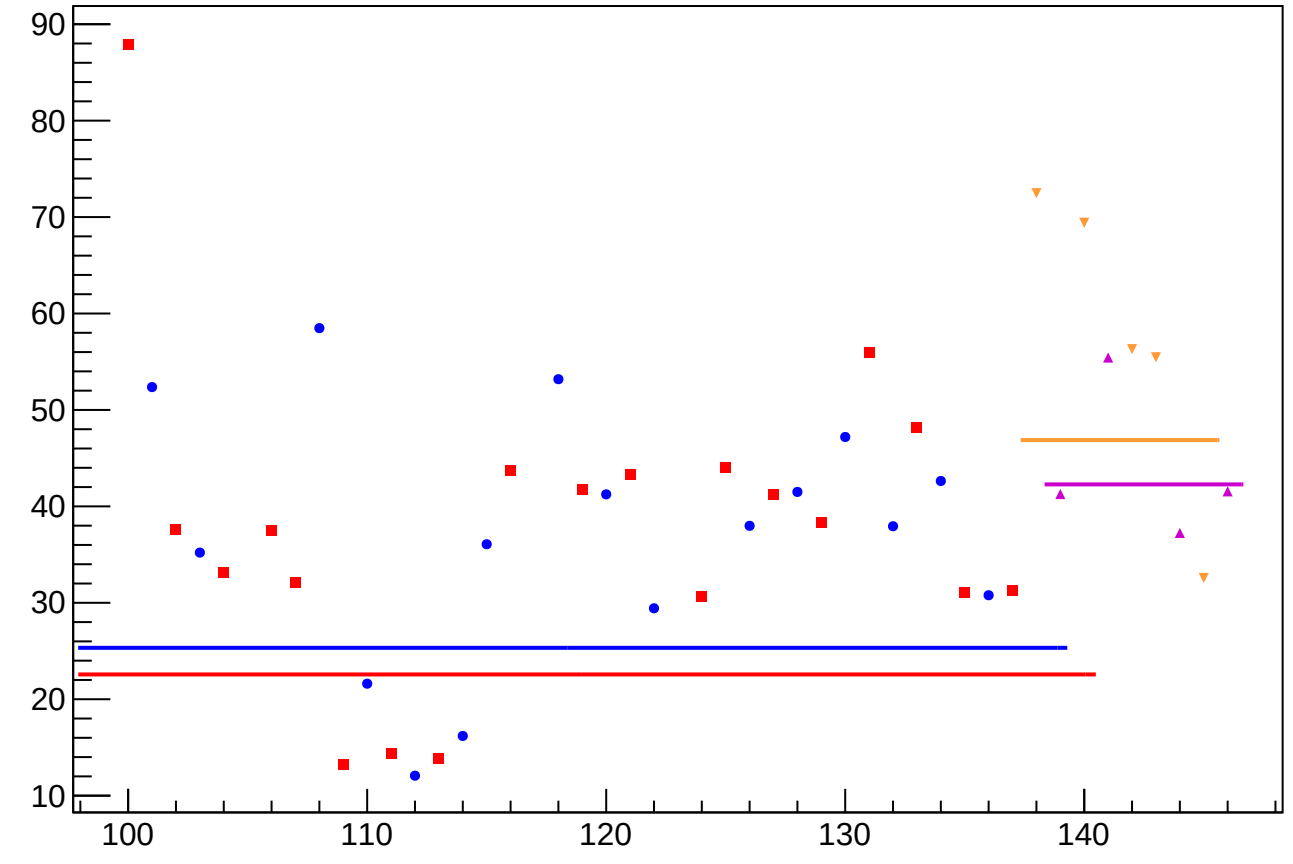
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.035+/-0.024 χ^2/NDF:3.6/3

+ sign 0.015+/-0.010 χ^2/NDF: 29.2/20

All: 0.009+/-0.007 χ^2/NDF: 50.8/43

- sign 0.004+/-0.009 χ^2/NDF: 21.0/22



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.876+/-0.019 χ^2/NDF:699969.5/4

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

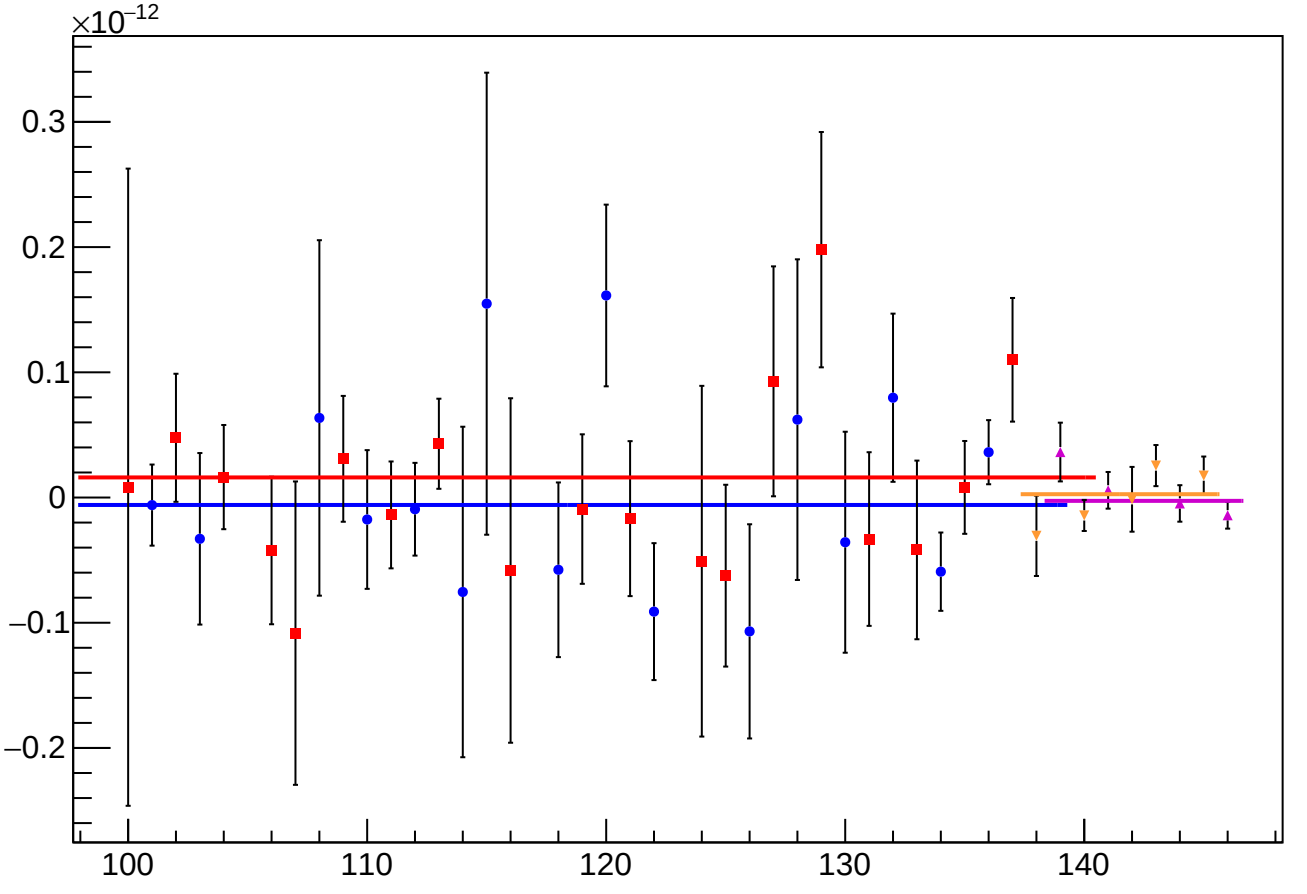
Left In: 42.280+/-0.017 χ^2/NDF:127228.3/3

+ sign 28.543+/-0.007 χ^2/NDF: 4754720.3/20

All: 26.769+/-0.005 χ^2/NDF: 9276490.0/43

- sign 25.365+/-0.006 χ^2/NDF: 4413577.4/22

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/4

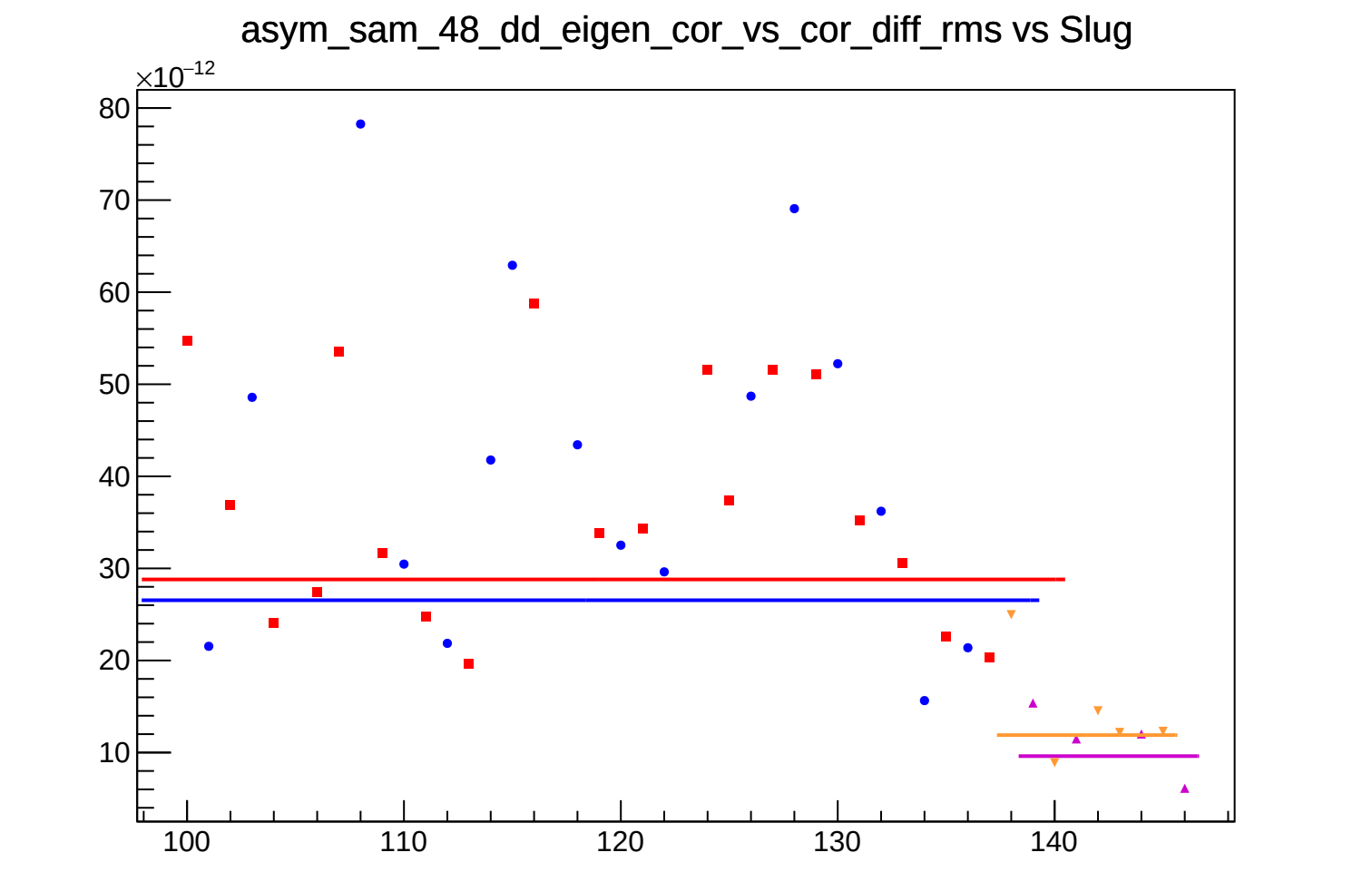
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/20

All: 0.000+/-0.000 χ^2/NDF: 45.8/43

- sign 0.000+/-0.000 χ^2/NDF: 20.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:471377.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

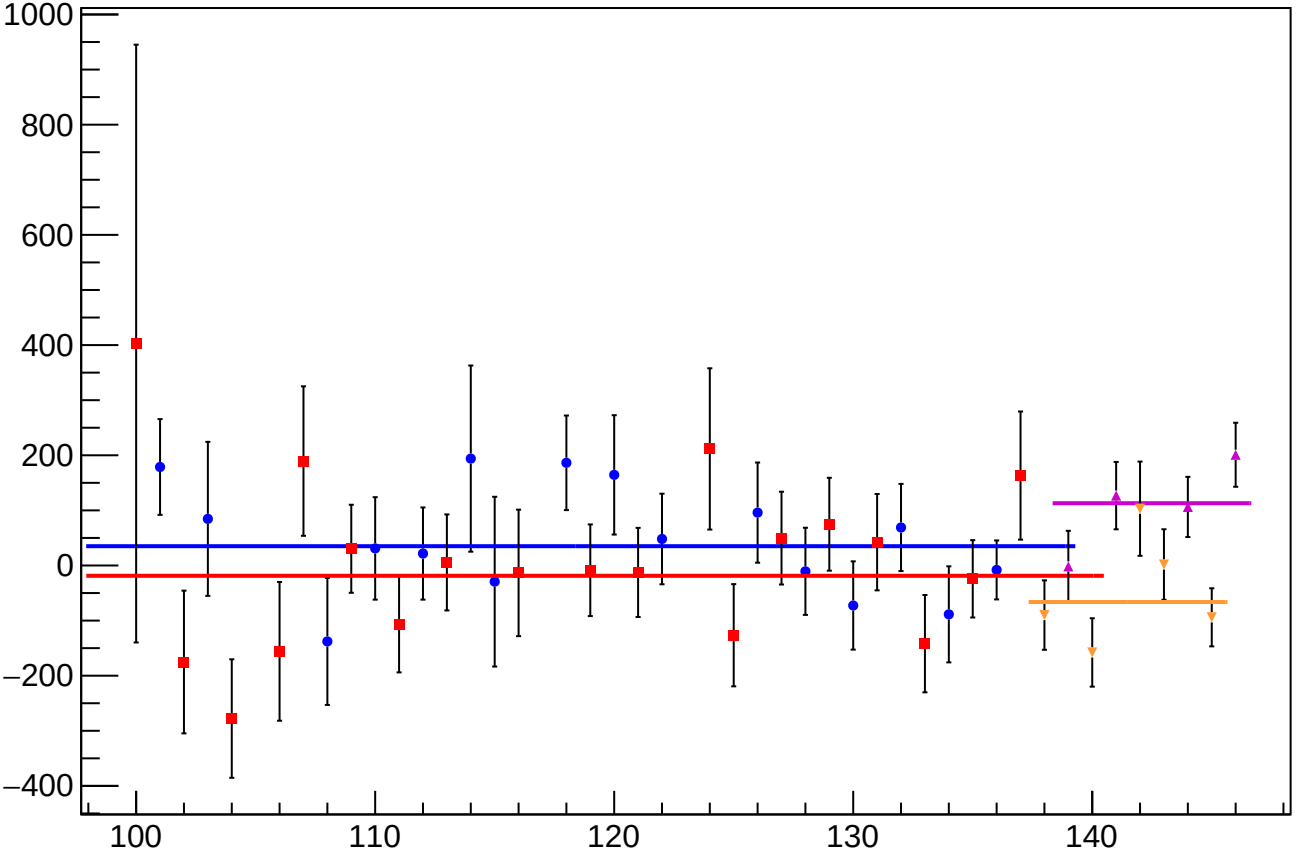
Left In: 0.000+/-0.000 χ^2/NDF:421211.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 4109399.0/20

All: 0.000+/-0.000 χ^2/NDF: 8779463.0/43

- sign 0.000+/-0.000 χ^2/NDF: 4577557.4/22

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -66.233+/-28.258 χ^2/NDF:7.6/4

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

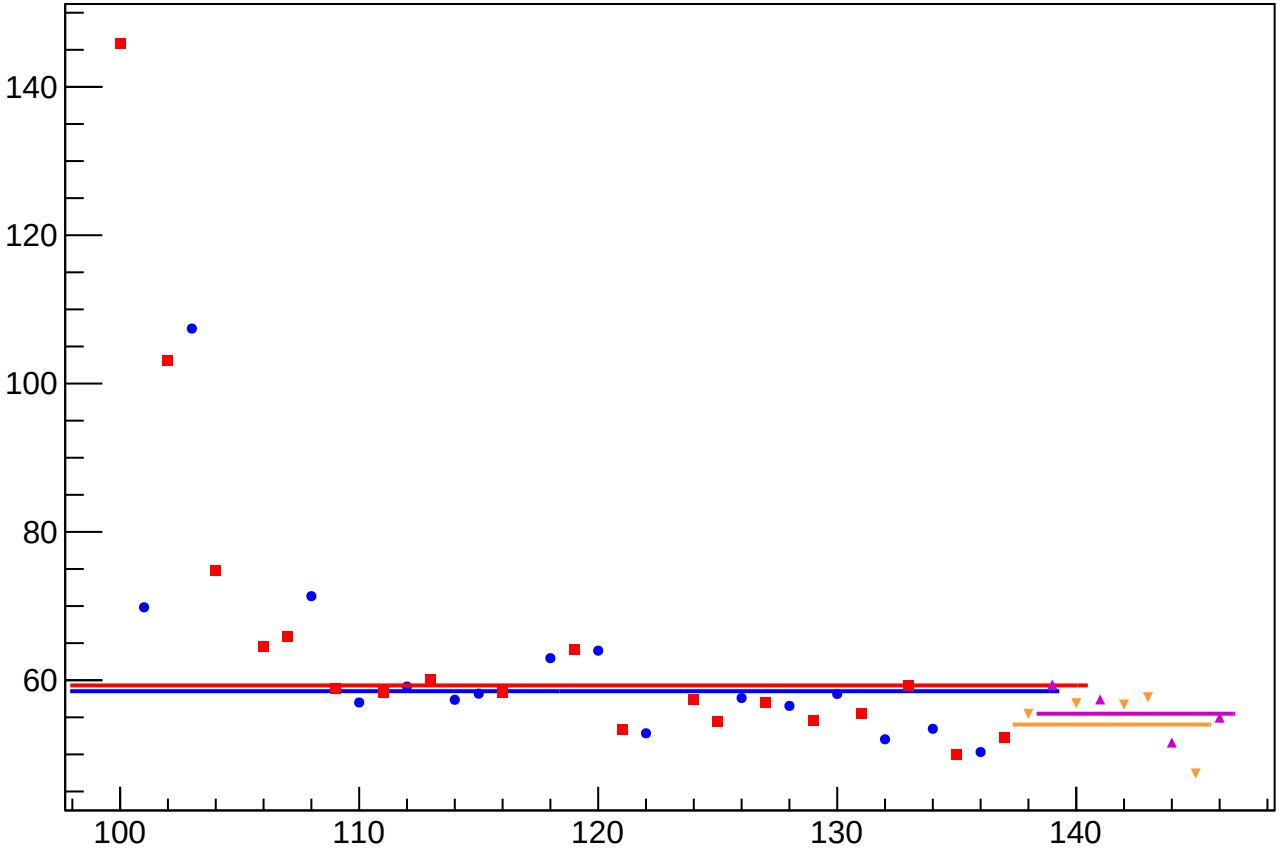
Left In: 113.017+/-29.634 χ^2/NDF:5.5/3

+ sign -3.483+/-17.425 χ^2/NDF: 31.8/20

All: 12.218+/-12.429 χ^2/NDF: 75.1/43

- sign 28.483+/-17.735 χ^2/NDF: 41.7/22

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 54.021+/-0.020 χ^2/NDF:45279.8/4

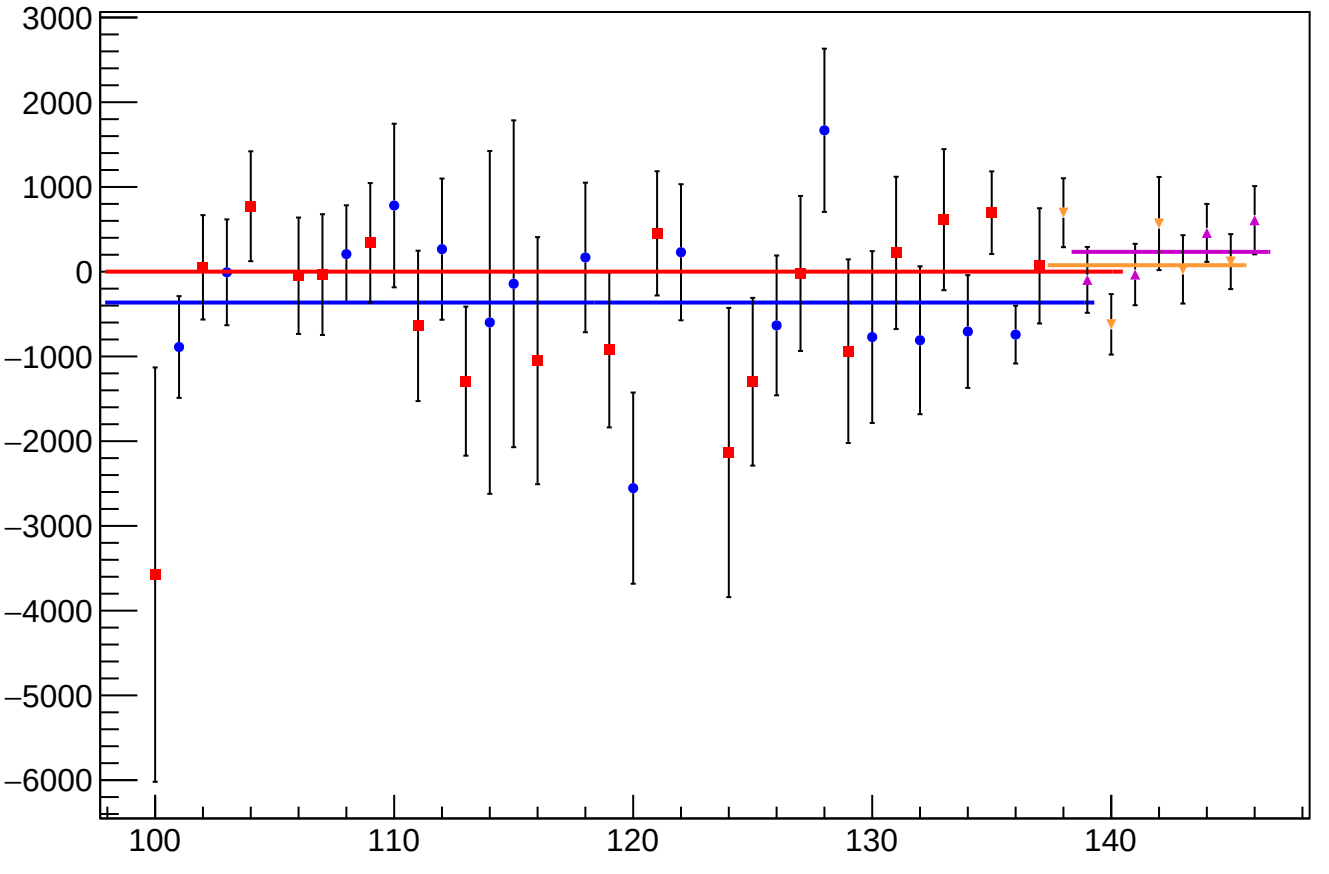
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

+ sign 56.810+/-0.012 χ^2/NDF: 469464.1/20

All: 57.363+/-0.009 χ^2/NDF: 921128.8/43

- sign 57.935+/-0.013 χ^2/NDF: 447569.3/22



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: 76.454+/-174.484 χ^2/NDF:7.0/4

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

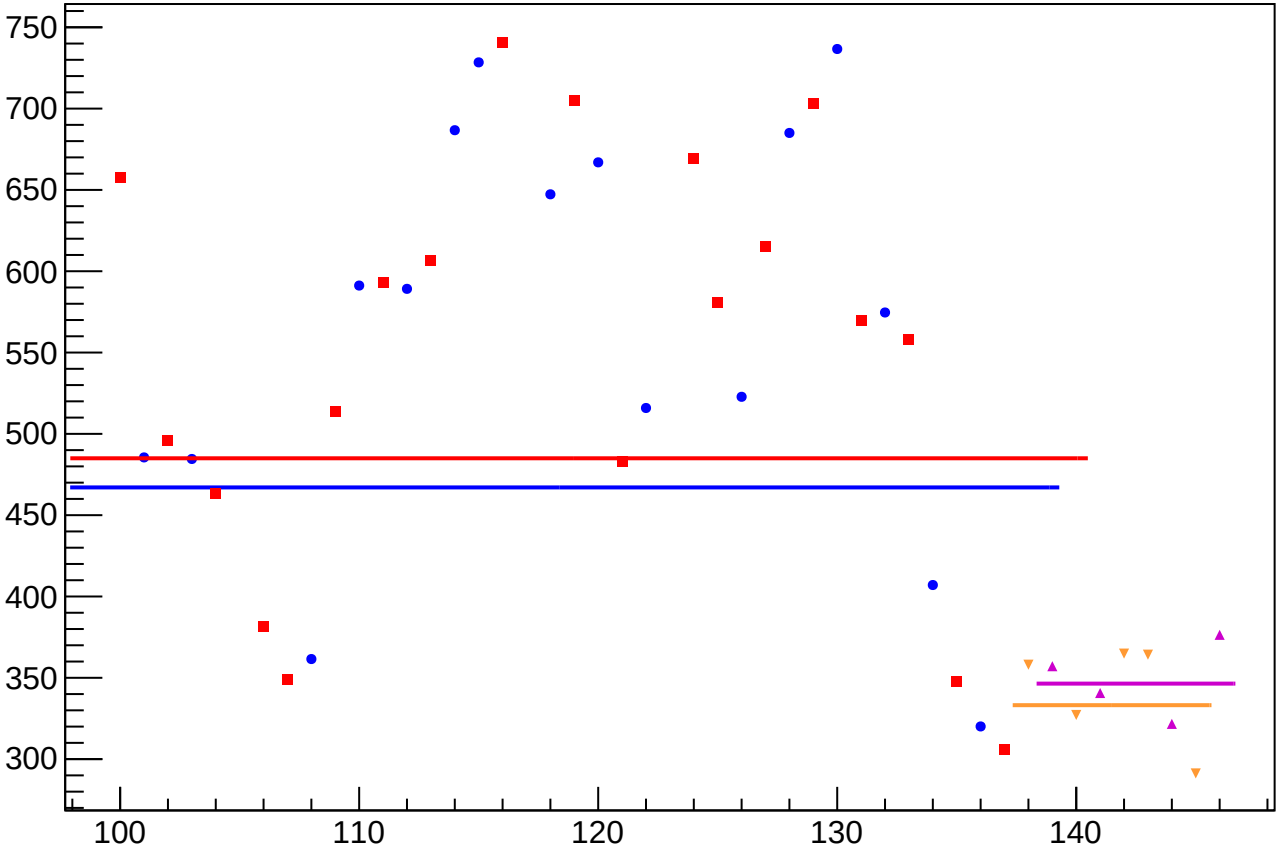
Left In: 233.938+/-185.806 χ^2/NDF:2.6/3

+ sign -136.225+/-125.486 χ^2/NDF: 25.3/20

All: -15.191+/-90.423 χ^2/NDF: 45.7/43

- sign 115.533+/-130.412 χ^2/NDF: 18.4/22

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 333.169+/-0.123 χ^2/NDF:60017.5/4

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

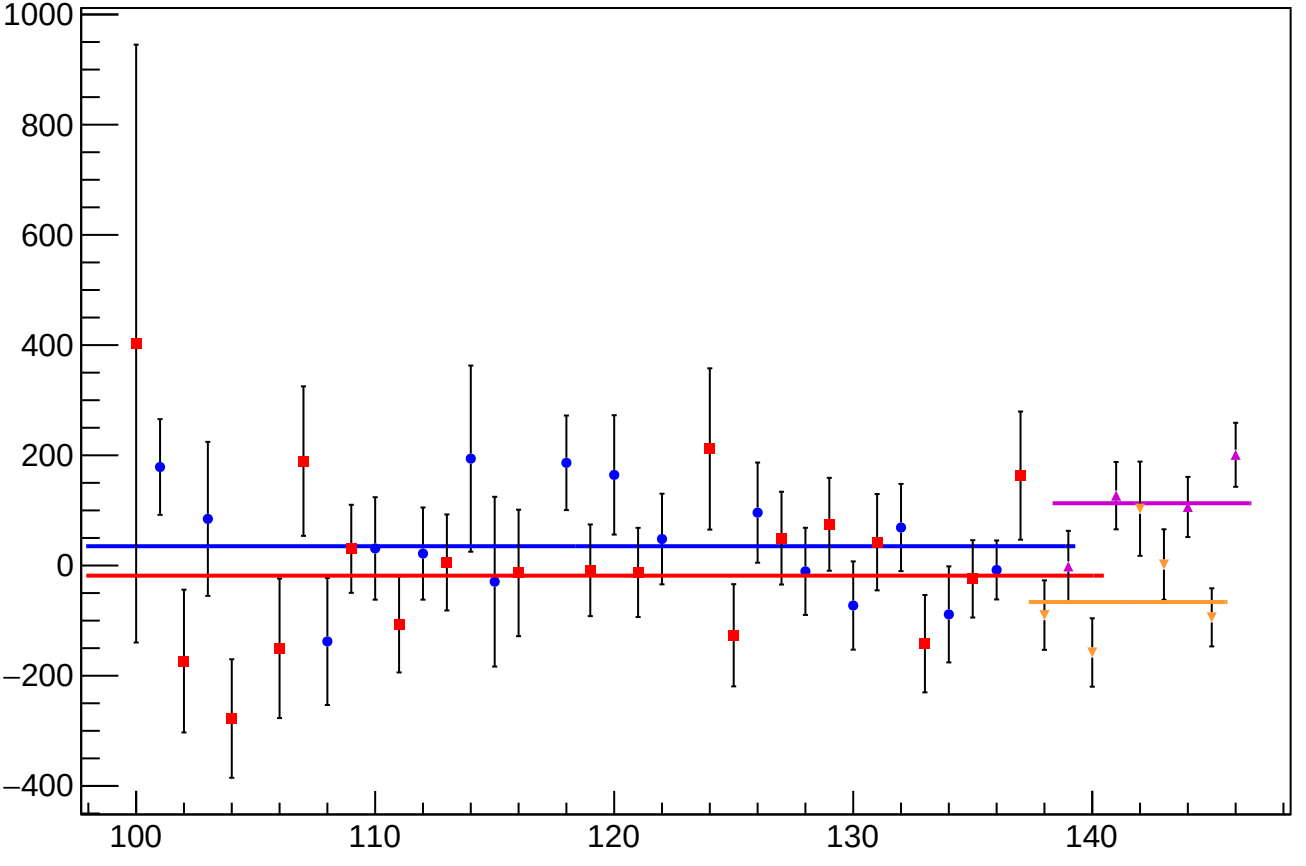
Left In: 346.430+/-0.131 χ^2/NDF:23626.4/3

\+ sign 397.813+/-0.089 χ^2/NDF: 1658913.8/20

All: 406.906+/-0.064 χ^2/NDF: 3142727.6/43

\- sign 416.728+/-0.092 χ^2/NDF: 1461967.9/22

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -66.233+/-28.258 χ^2/NDF:7.6/4

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

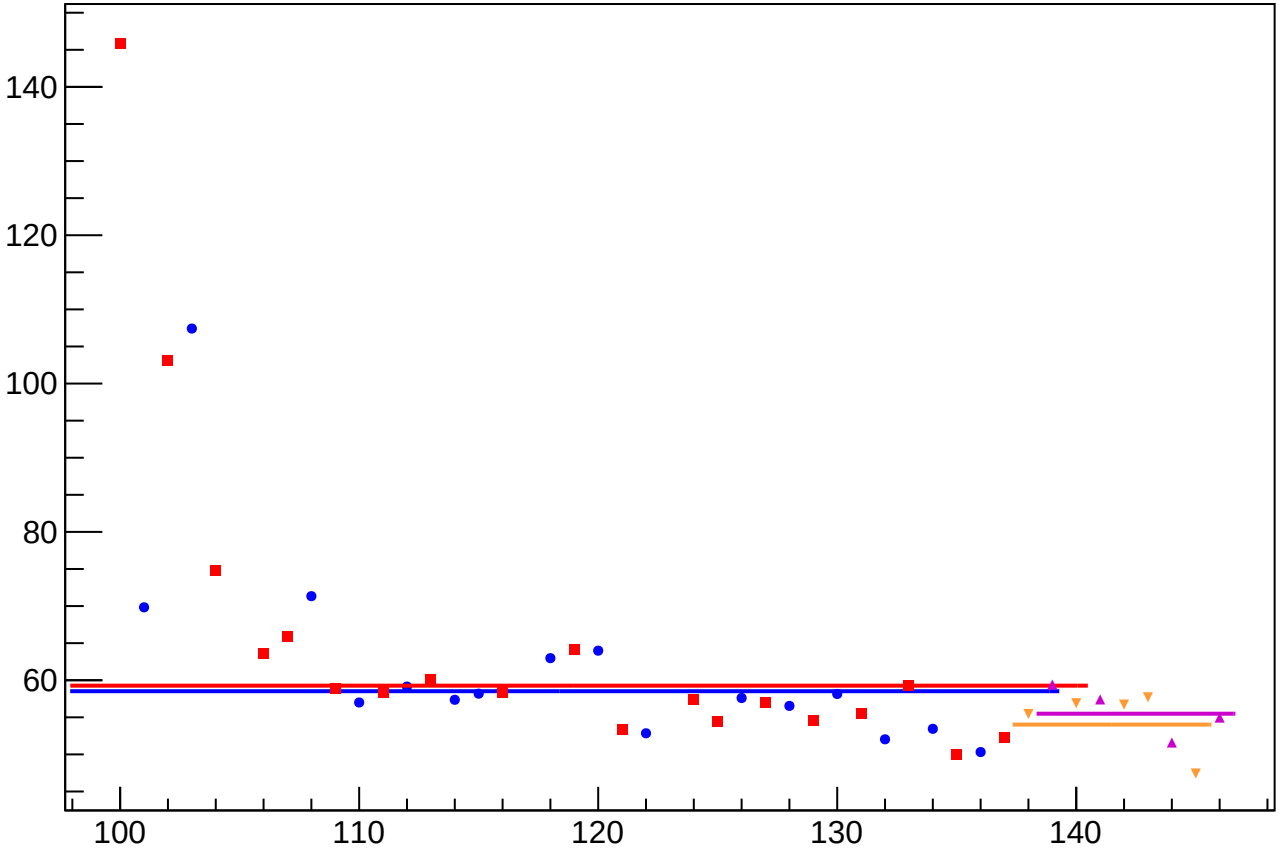
Left In: 113.020+/-29.634 χ^2/NDF:5.5/3

+ sign -3.484+/-17.425 χ^2/NDF: 31.8/20

All: 12.308+/-12.430 χ^2/NDF: 75.0/43

- sign 28.671+/-17.737 χ^2/NDF: 41.5/22

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 54.021+/-0.020 χ^2/NDF:45279.8/4

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

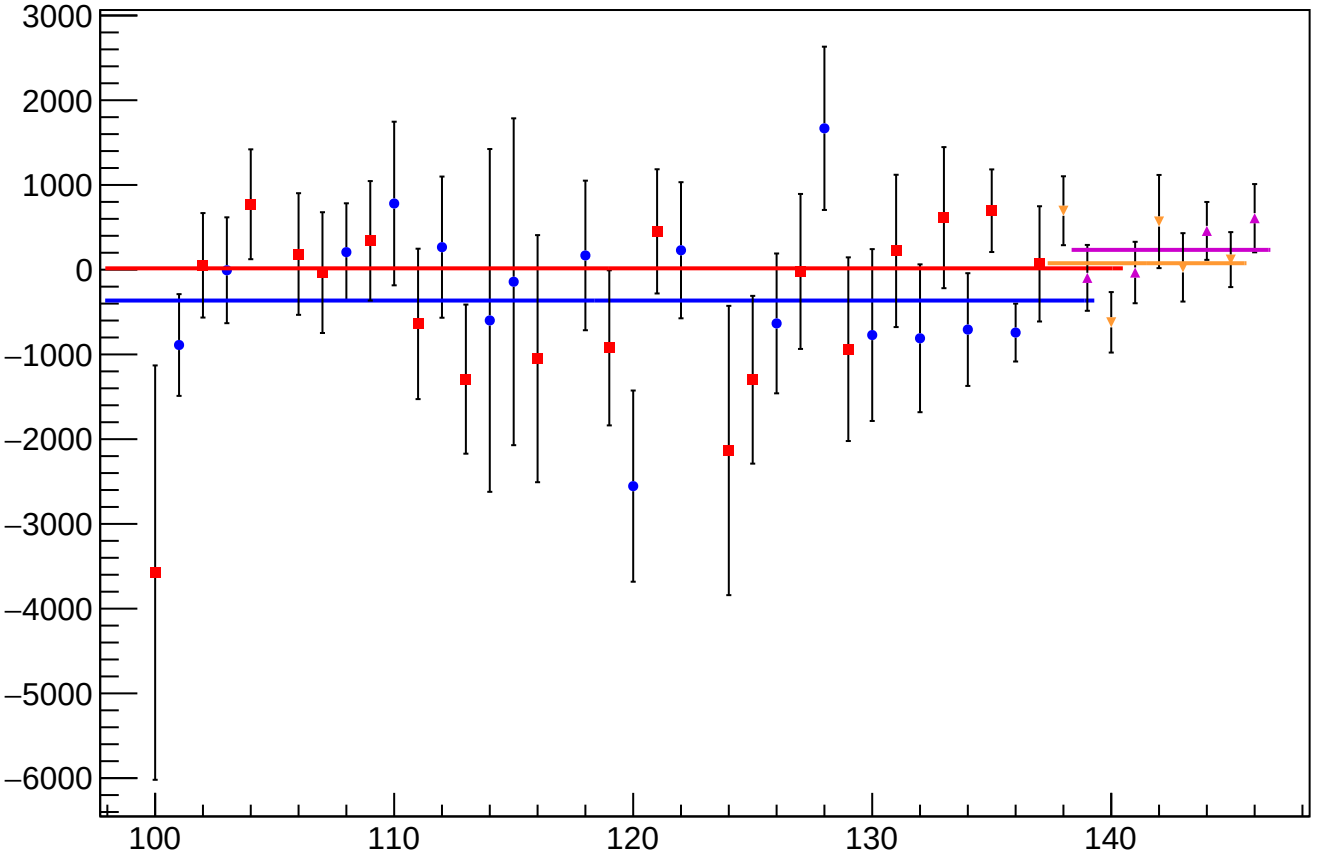
Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

+ sign 56.810+/-0.012 χ^2/NDF: 469466.2/20

All: 57.353+/-0.009 χ^2/NDF: 919629.4/43

- sign 57.915+/-0.013 χ^2/NDF: 446218.0/22

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 76.451+/-174.484 χ^2/NDF:7.0/4

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

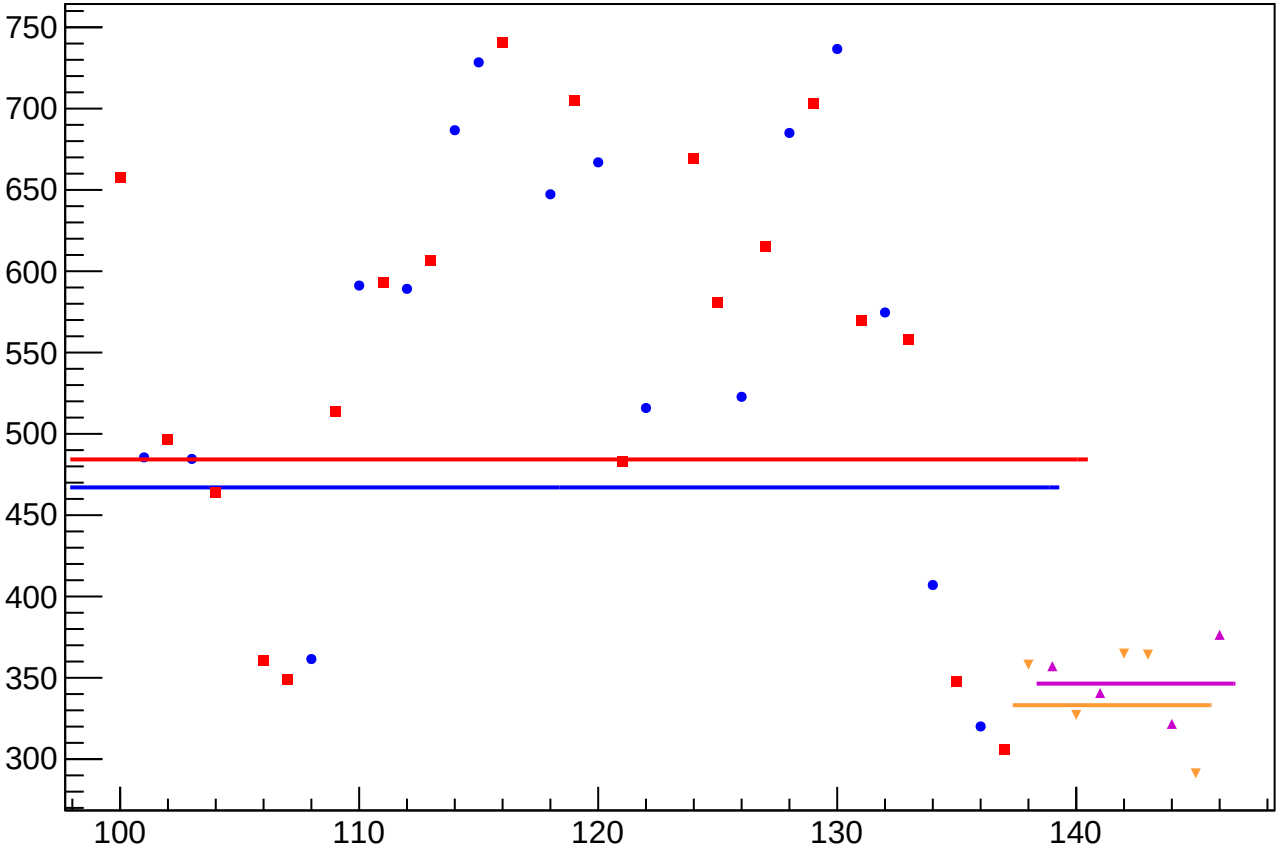
Left In: 233.936+/-185.806 χ^2/NDF:2.6/3

+ sign -136.208+/-125.486 χ^2/NDF: 25.3/20

All: -11.439+/-90.491 χ^2/NDF: 45.7/43

- sign 123.740+/-130.616 χ^2/NDF: 18.4/22

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 333.169+/-0.123 χ^2/NDF:60018.1/4

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

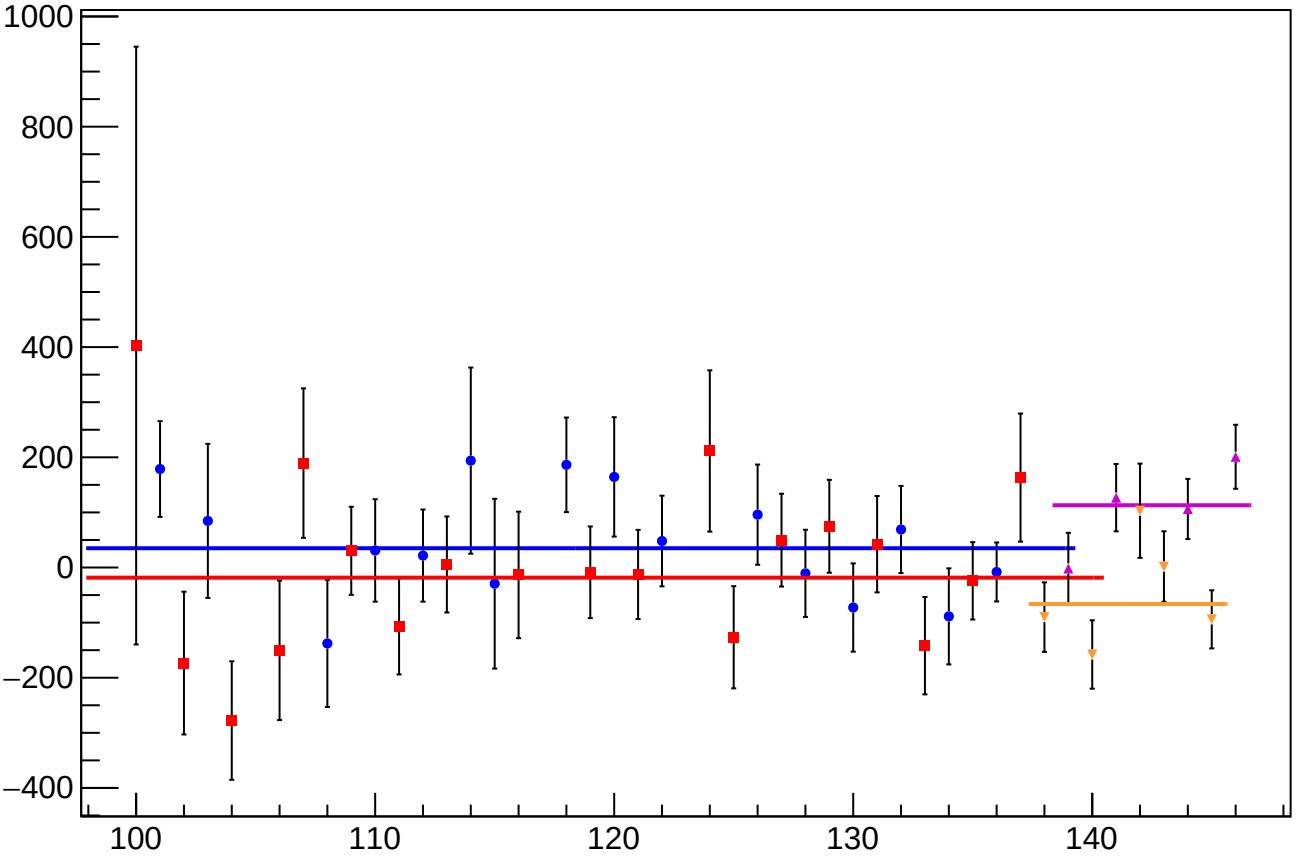
Left In: 346.430+/-0.131 χ^2/NDF:23626.7/3

+ sign 397.814+/-0.089 χ^2/NDF: 1658935.9/20

All: 406.618+/-0.064 χ^2/NDF: 3148660.6/43

- sign 416.156+/-0.092 χ^2/NDF: 1469214.2/22

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -66.233+/-28.258 χ^2/NDF:7.6/4

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

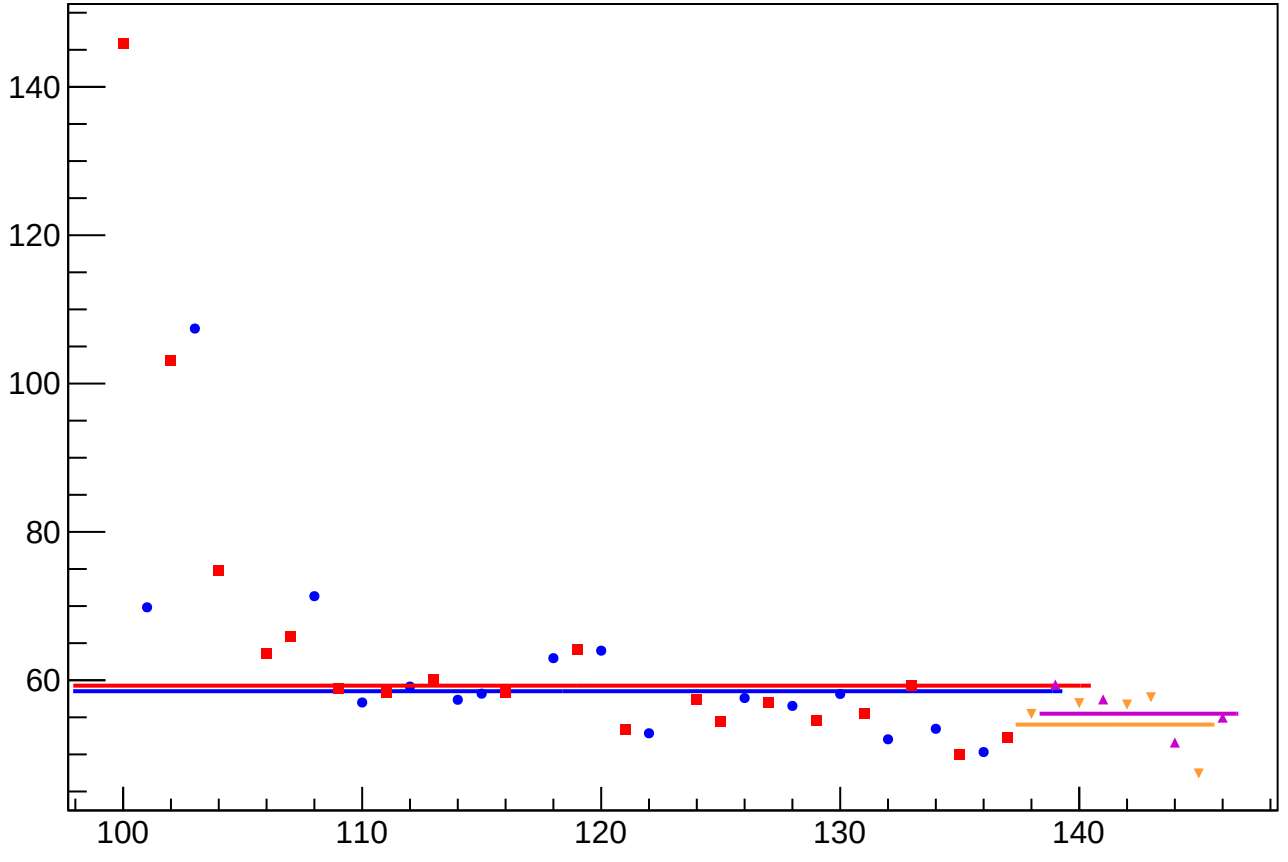
Left In: 113.020+/-29.634 χ^2/NDF:5.5/3

+ sign -3.484+/-17.425 χ^2/NDF: 31.8/20

All: 12.308+/-12.430 χ^2/NDF: 75.0/43

- sign 28.671+/-17.737 χ^2/NDF: 41.5/22

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 54.021+/-0.020 χ^2/NDF:45279.8/4

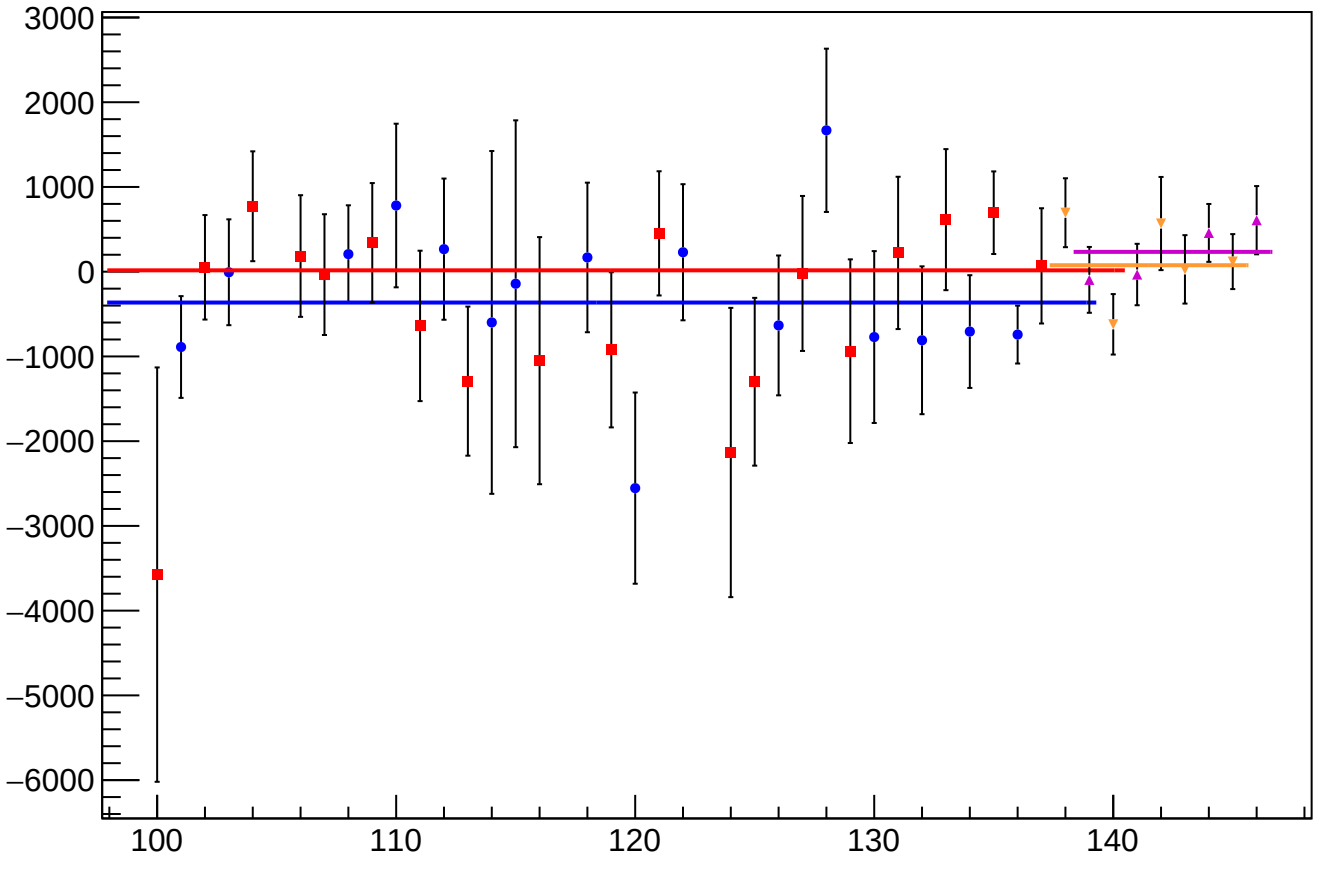
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

+ sign 56.810+/-0.012 χ^2/NDF: 469466.2/20

All: 57.353+/-0.009 χ^2/NDF: 919629.4/43

- sign 57.915+/-0.013 χ^2/NDF: 446218.0/22



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 76.451+/-174.484 χ^2/NDF:7.0/4

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

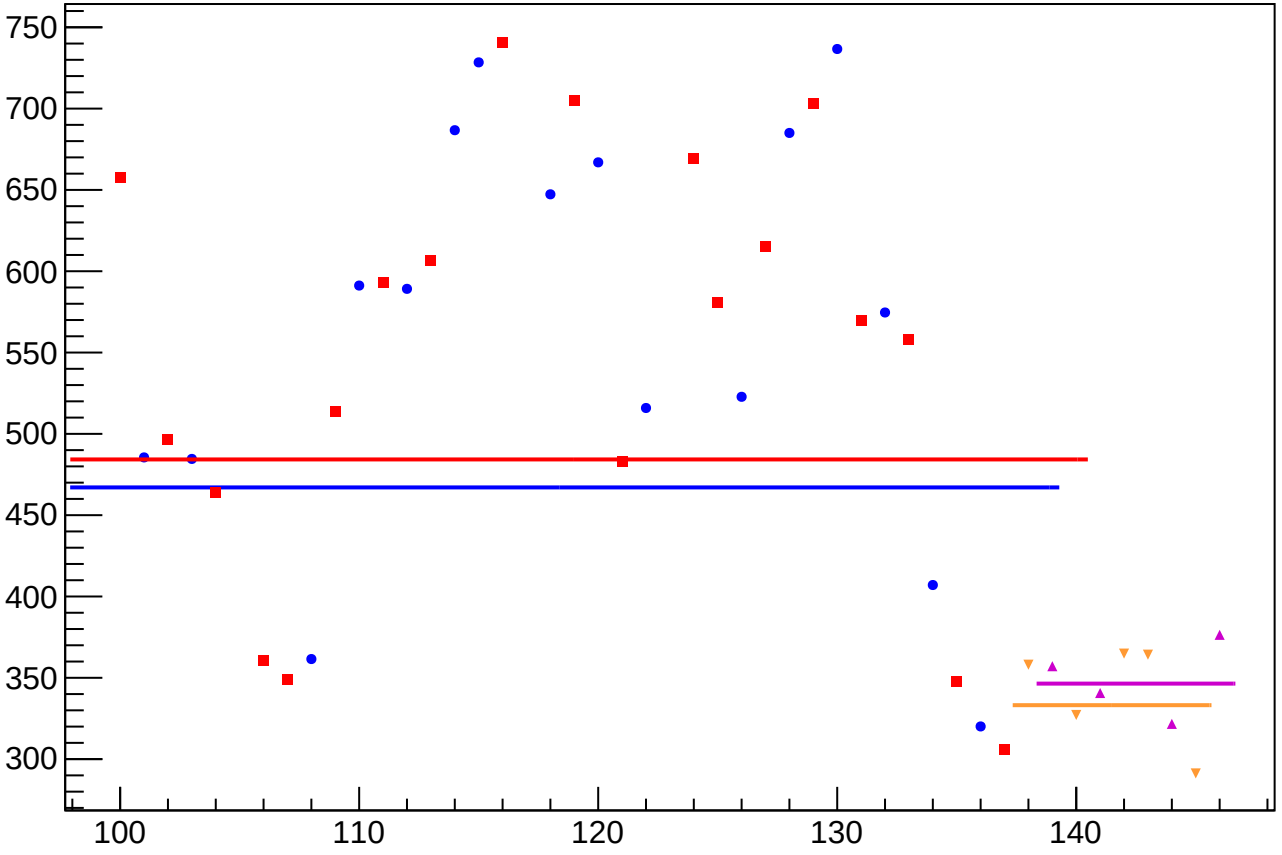
Left In: 233.936+/-185.806 χ^2/NDF:2.6/3

\+ sign -136.208+/-125.486 χ^2/NDF: 25.3/20

All: -11.439+/-90.491 χ^2/NDF: 45.7/43

\- sign 123.740+/-130.616 χ^2/NDF: 18.4/22

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: 333.169+/-0.123 χ^2/NDF:60018.1/4

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

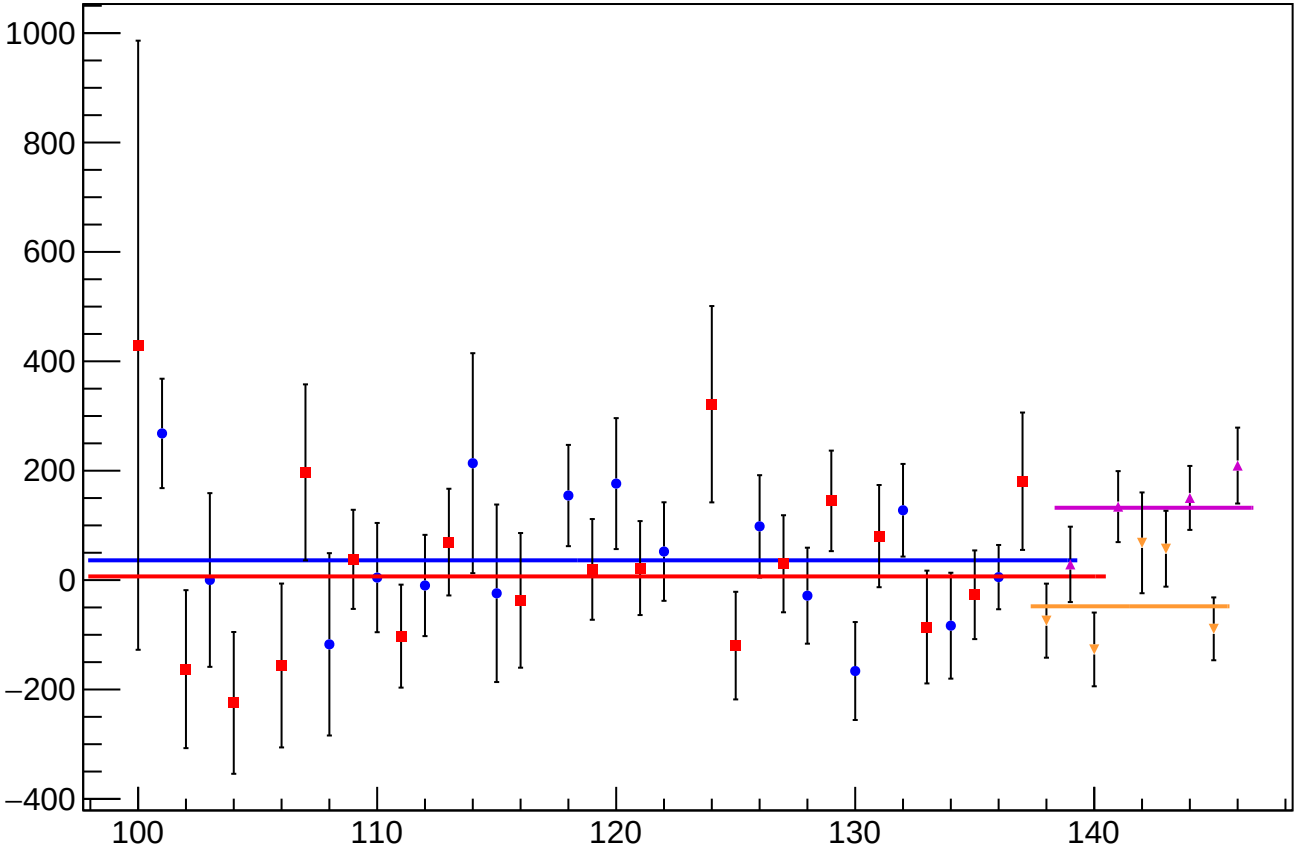
Left In: 346.430+/-0.131 χ^2/NDF:23626.7/3

+ sign 397.814+/-0.089 χ^2/NDF: 1658935.9/20

All: 406.618+/-0.064 χ^2/NDF: 3148660.6/43

- sign 416.156+/-0.092 χ^2/NDF: 1469214.2/22

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -47.910+/-30.612 χ^2/NDF:5.9/4

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

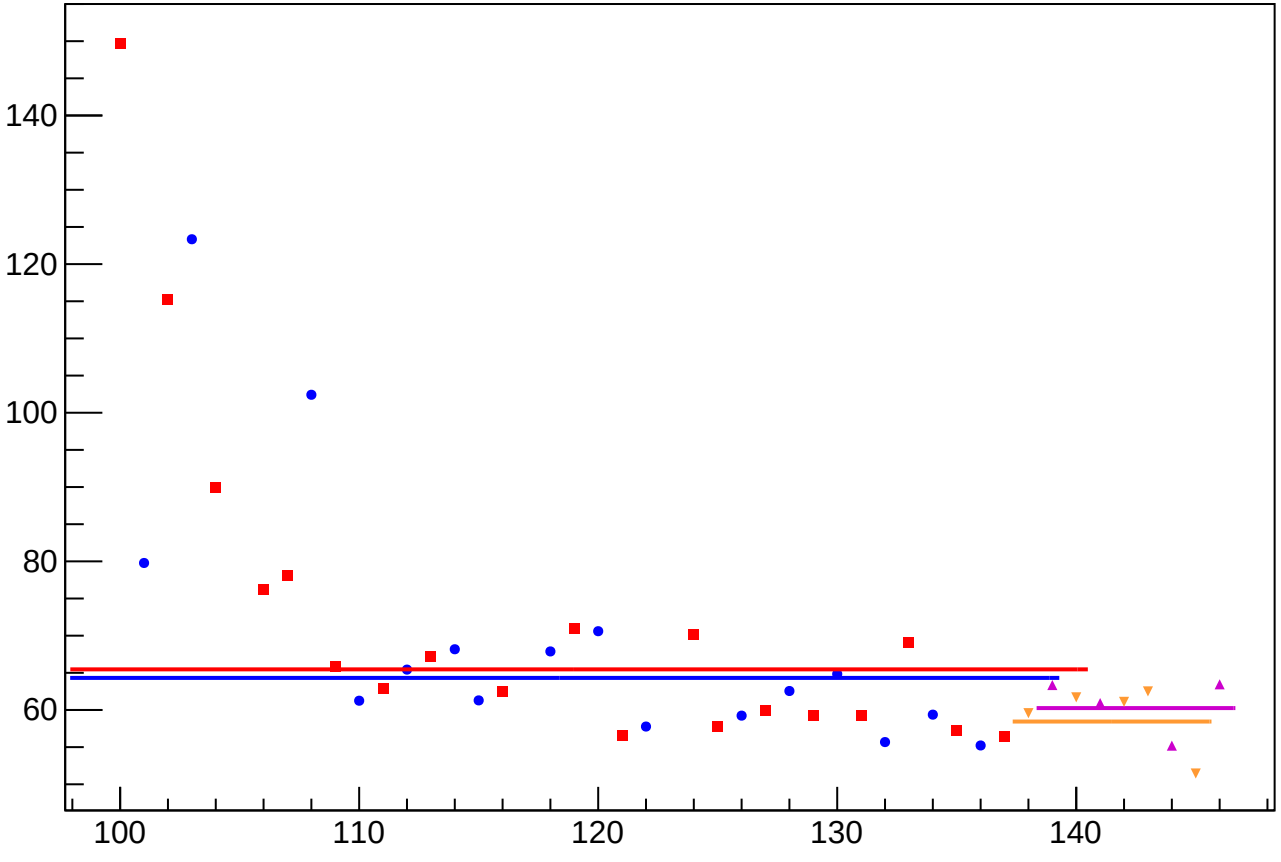
Left In: 132.241+/-32.474 χ^2/NDF:3.6/3

\+ sign 3.380+/-19.115 χ^2/NDF: 30.2/20

All: 27.293+/-13.681 χ^2/NDF: 66.8/43

\- sign 52.413+/-19.591 χ^2/NDF: 33.4/22

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 58.443+/-0.022 χ^2/NDF:43342.4/4

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

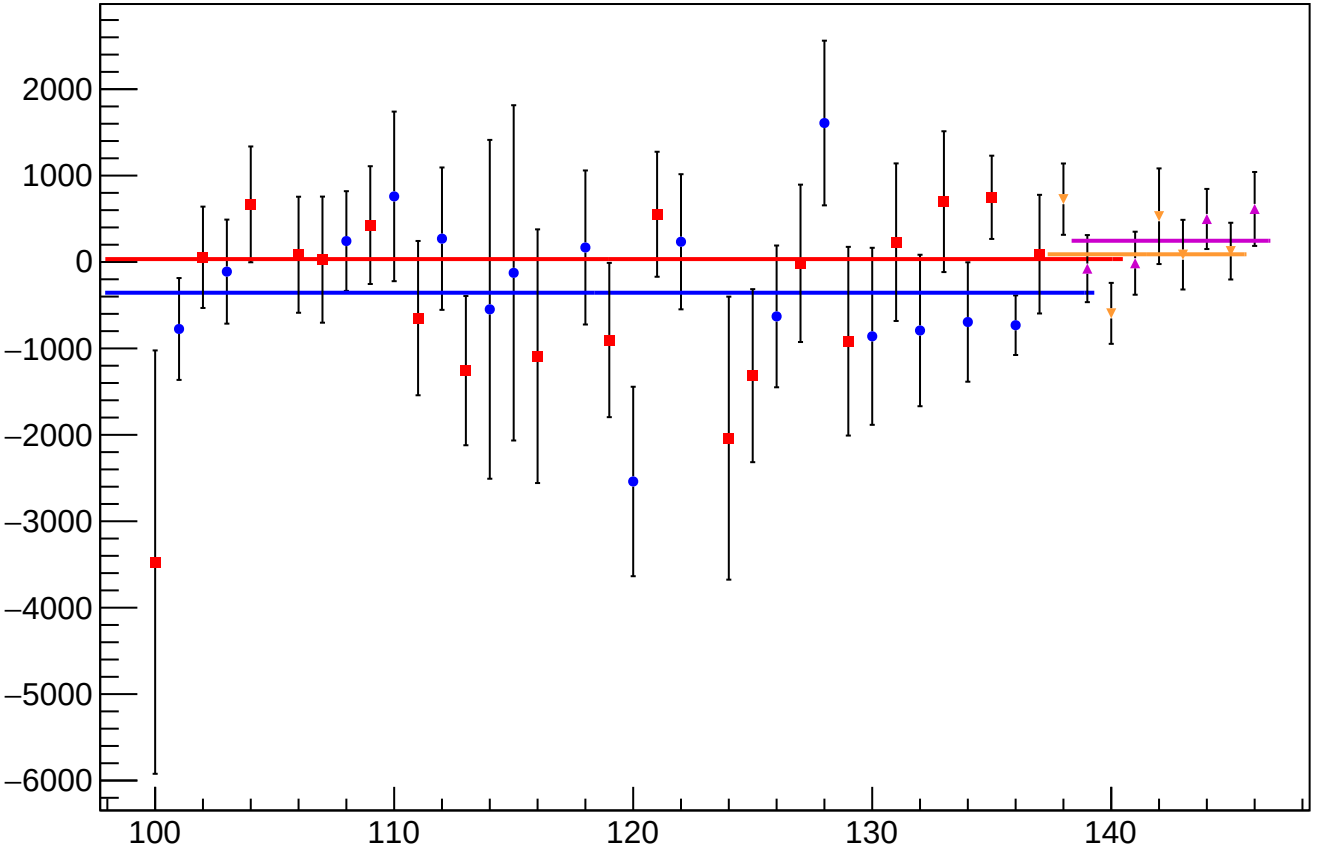
Left In: 60.255+/-0.023 χ^2/NDF:23466.0/3

+ sign 62.027+/-0.014 χ^2/NDF: 620317.6/20

All: 62.779+/-0.010 χ^2/NDF: 1165259.0/43

- sign 63.569+/-0.014 χ^2/NDF: 538587.2/22

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 89.357+/-175.112 χ^2/NDF:6.8/4

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

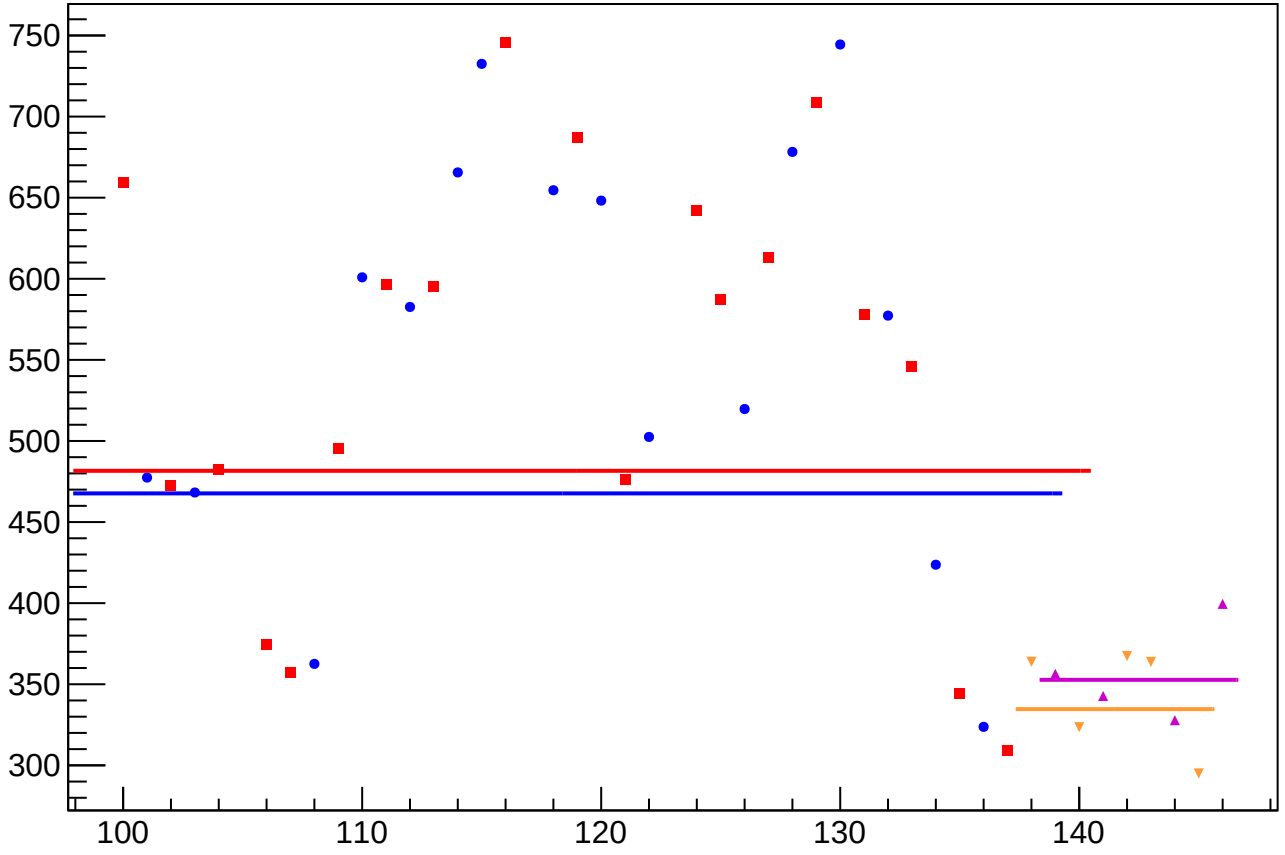
Left In: 245.878+/-189.342 χ^2/NDF:2.5/3

+ sign -126.551+/-125.629 χ^2/NDF: 24.7/20

All: -1.111+/-90.688 χ^2/NDF: 45.3/43

- sign 135.384+/-131.047 χ^2/NDF: 18.5/22

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 334.669+/-0.124 χ^2/NDF:58610.5/4

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

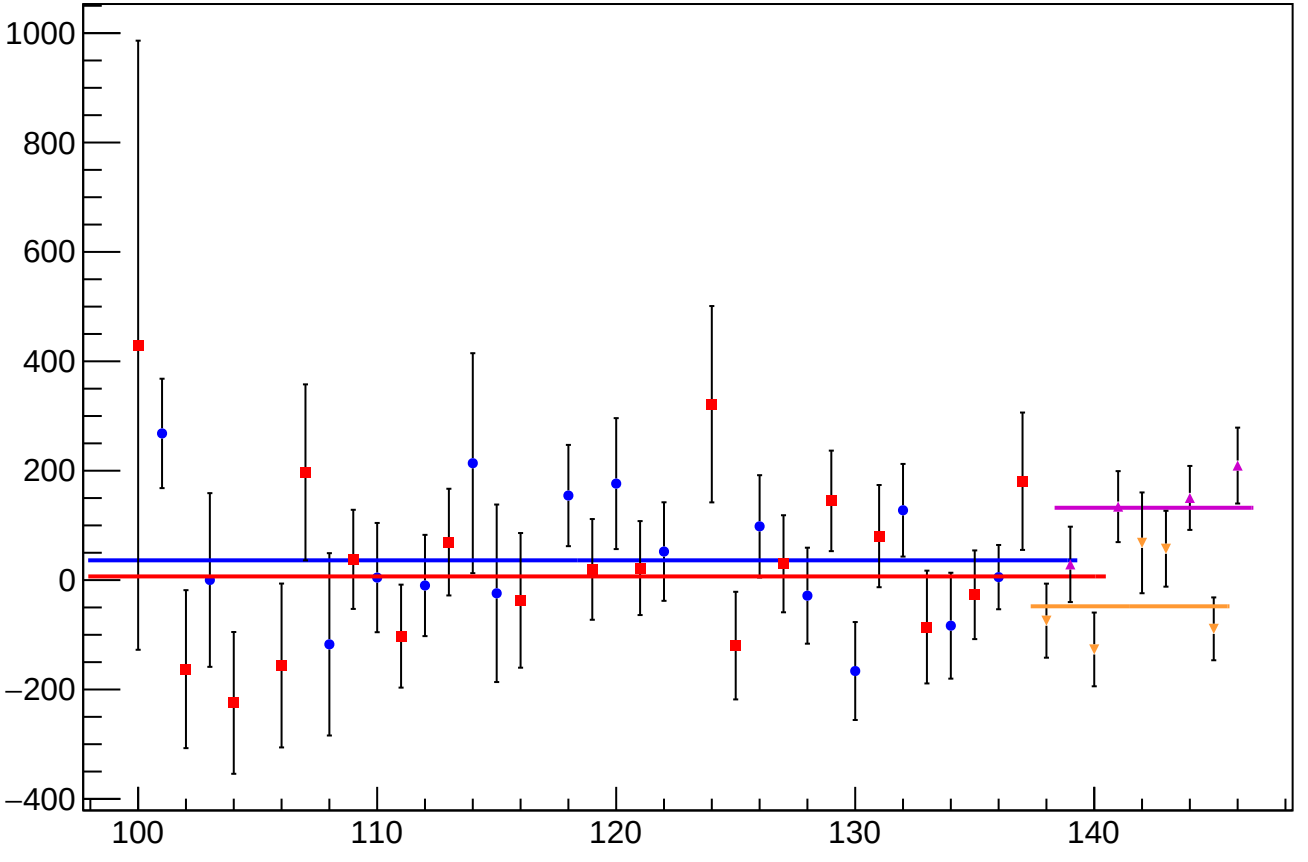
Left In: 352.720+/-0.134 χ^2/NDF:35892.7/3

\+ sign 399.218+/-0.089 χ^2/NDF: 1604514.7/20

All: 409.104+/-0.064 χ^2/NDF: 3003296.6/43

\- sign 419.862+/-0.093 χ^2/NDF: 1372917.3/22

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -47.910+/-30.612 χ^2/NDF:5.9/4

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

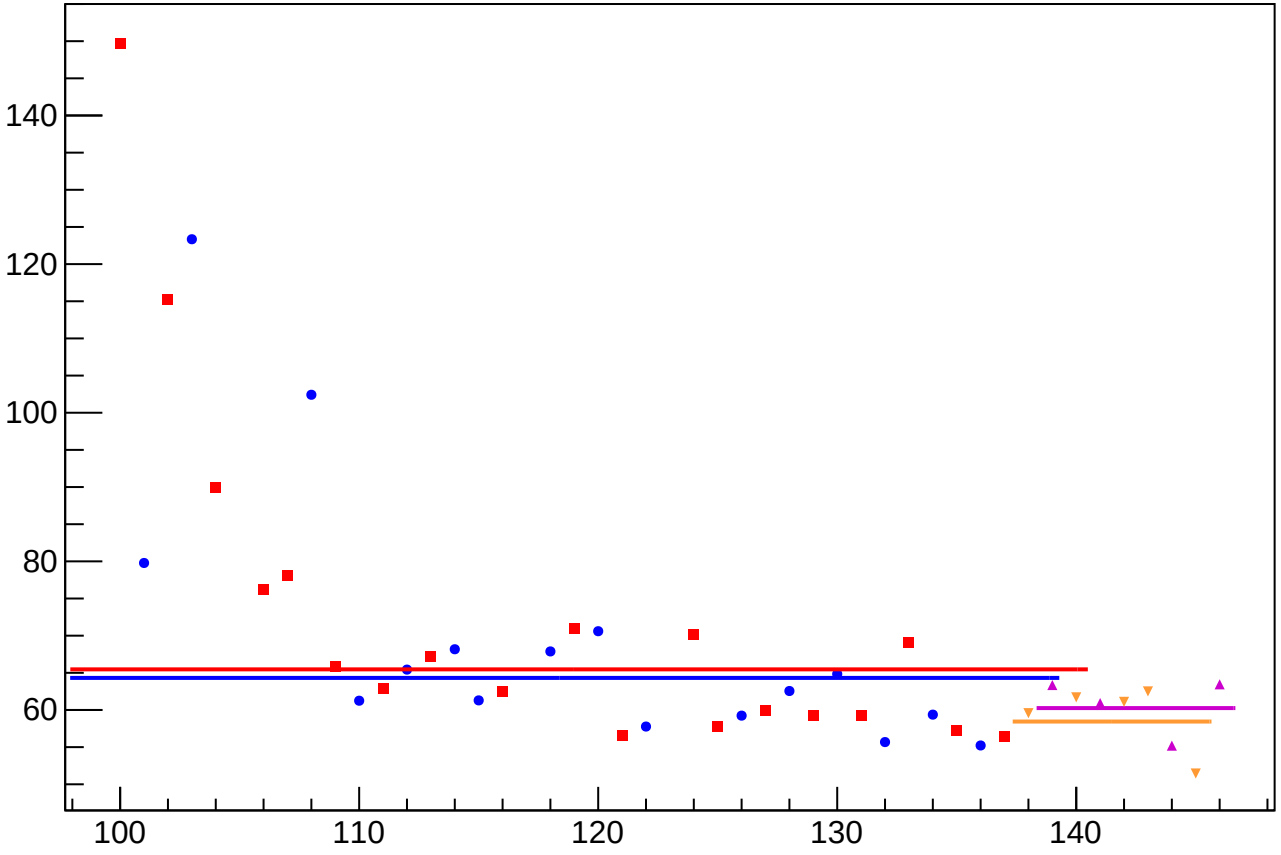
Left In: 132.241+/-32.474 χ^2/NDF:3.6/3

\+ sign 3.381+/-19.115 χ^2/NDF: 30.2/20

All: 27.293+/-13.681 χ^2/NDF: 66.8/43

\- sign 52.413+/-19.591 χ^2/NDF: 33.4/22

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 58.444+/-0.022 χ^2/NDF:43343.5/4

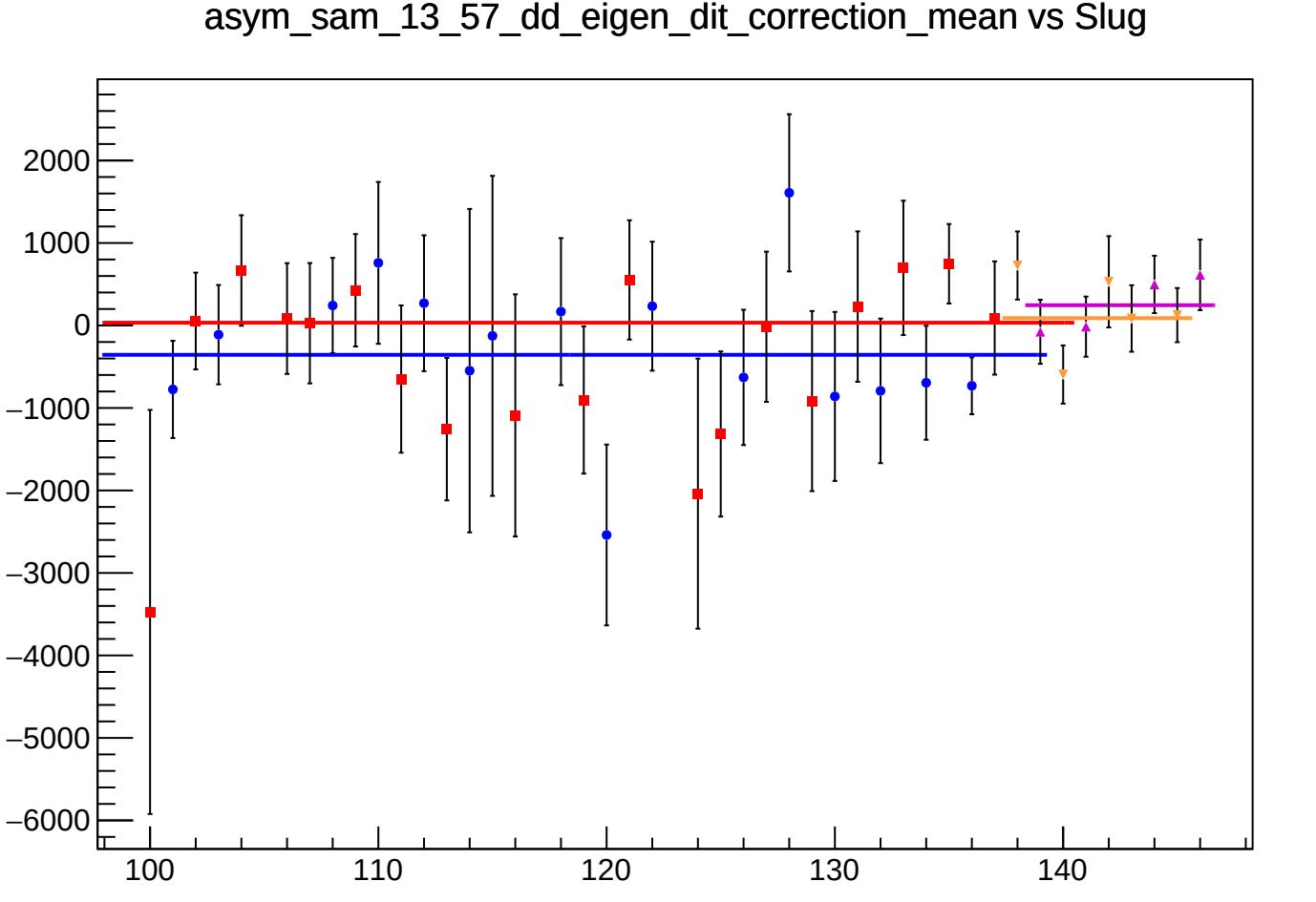
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 60.255+/-0.023 χ^2/NDF:23467.0/3

+ sign 62.027+/-0.014 χ^2/NDF: 620325.1/20

All: 62.779+/-0.010 χ^2/NDF: 1165271.8/43

- sign 63.569+/-0.014 χ^2/NDF: 538592.6/22



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: 89.356+/-175.112 χ^2/NDF:6.8/4

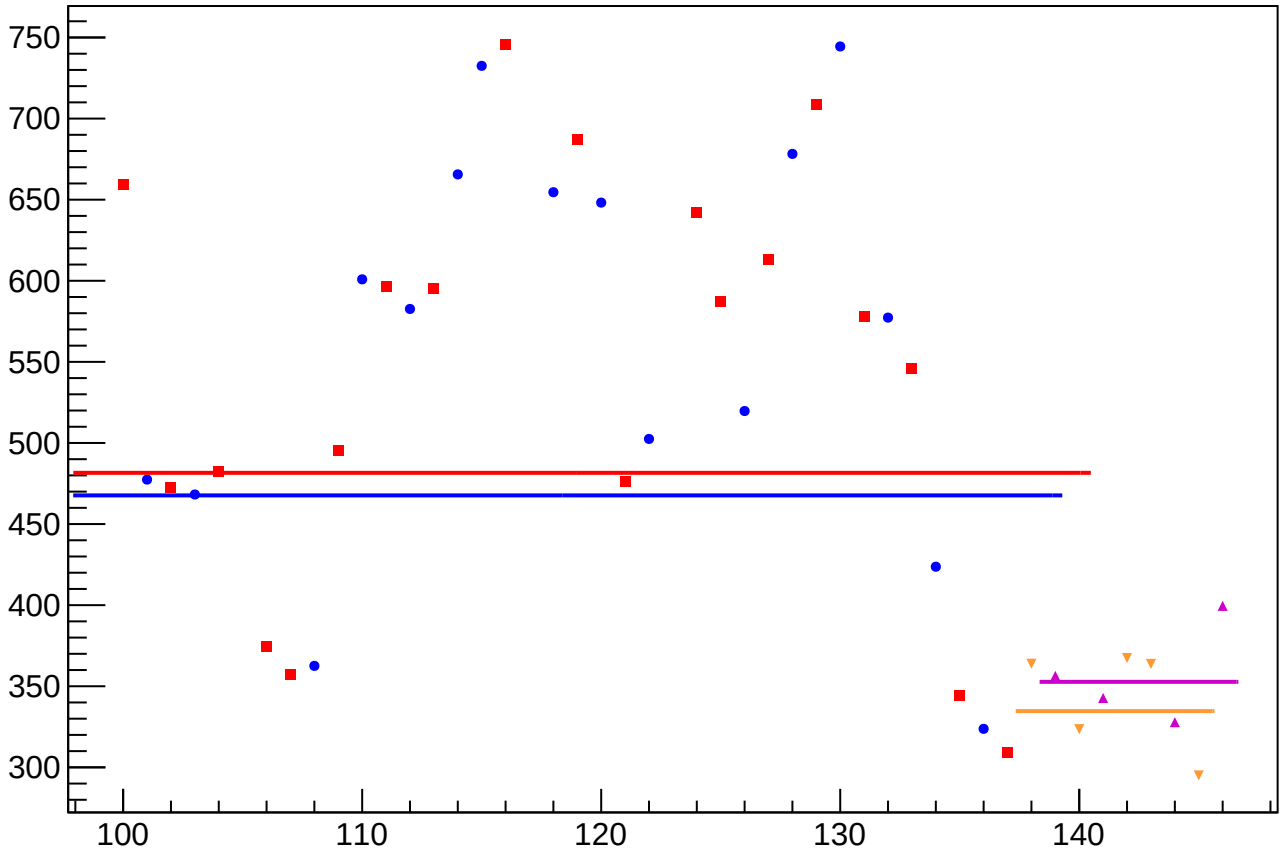
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 245.878+/-189.343 χ^2/NDF:2.5/3

+ sign -126.552+/-125.629 χ^2/NDF: 24.7/20

All: -1.111+/-90.688 χ^2/NDF: 45.3/43

- sign 135.384+/-131.047 χ^2/NDF: 18.5/22



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 334.669+/-0.124 χ^2/NDF:58610.5/4

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

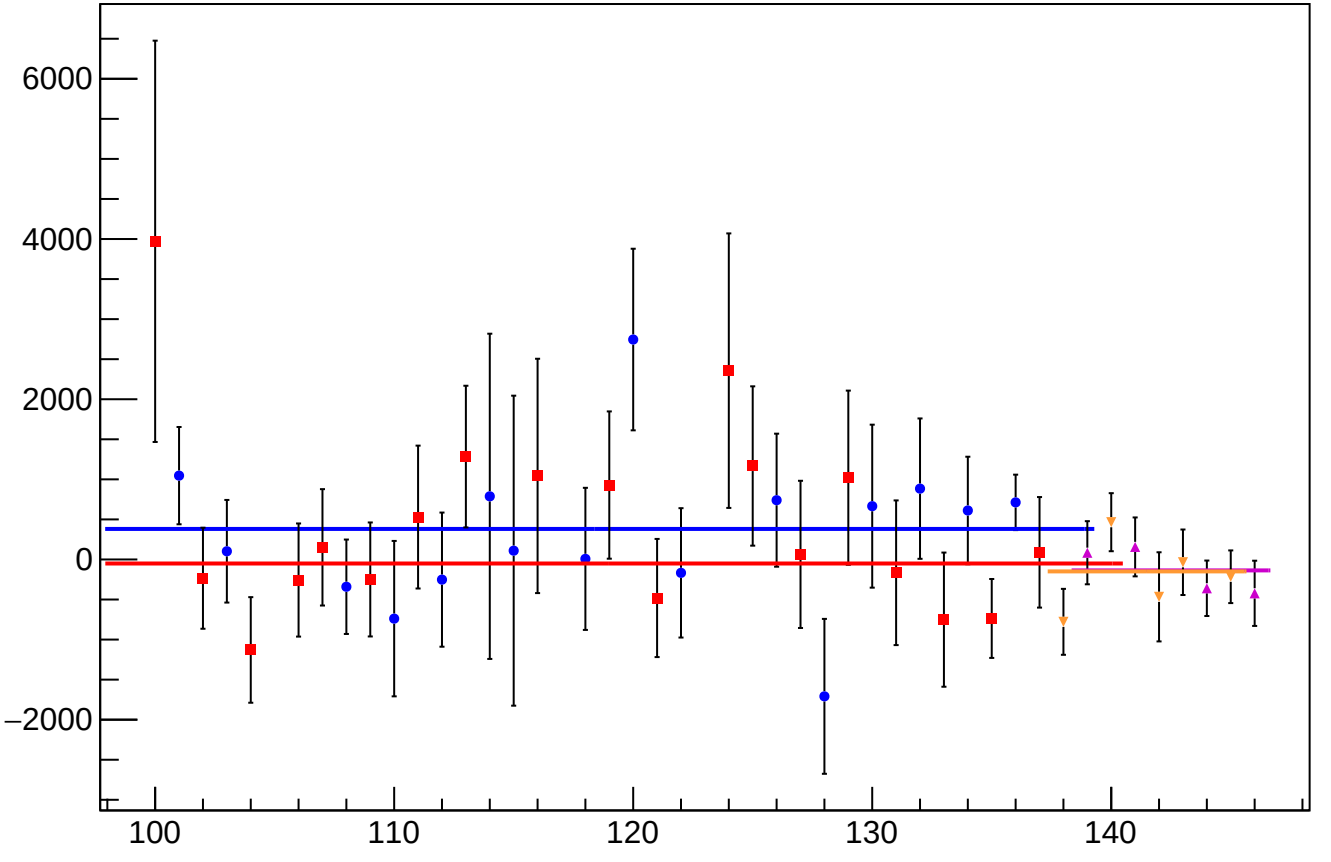
Left In: 352.720+/-0.134 χ^2/NDF:35892.8/3

+ sign 399.218+/-0.089 χ^2/NDF: 1604510.3/20

All: 409.104+/-0.064 χ^2/NDF: 3003283.1/43

- sign 419.862+/-0.093 χ^2/NDF: 1372908.0/22

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -148.929+/-176.801 χ^2/NDF:5.7/4

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

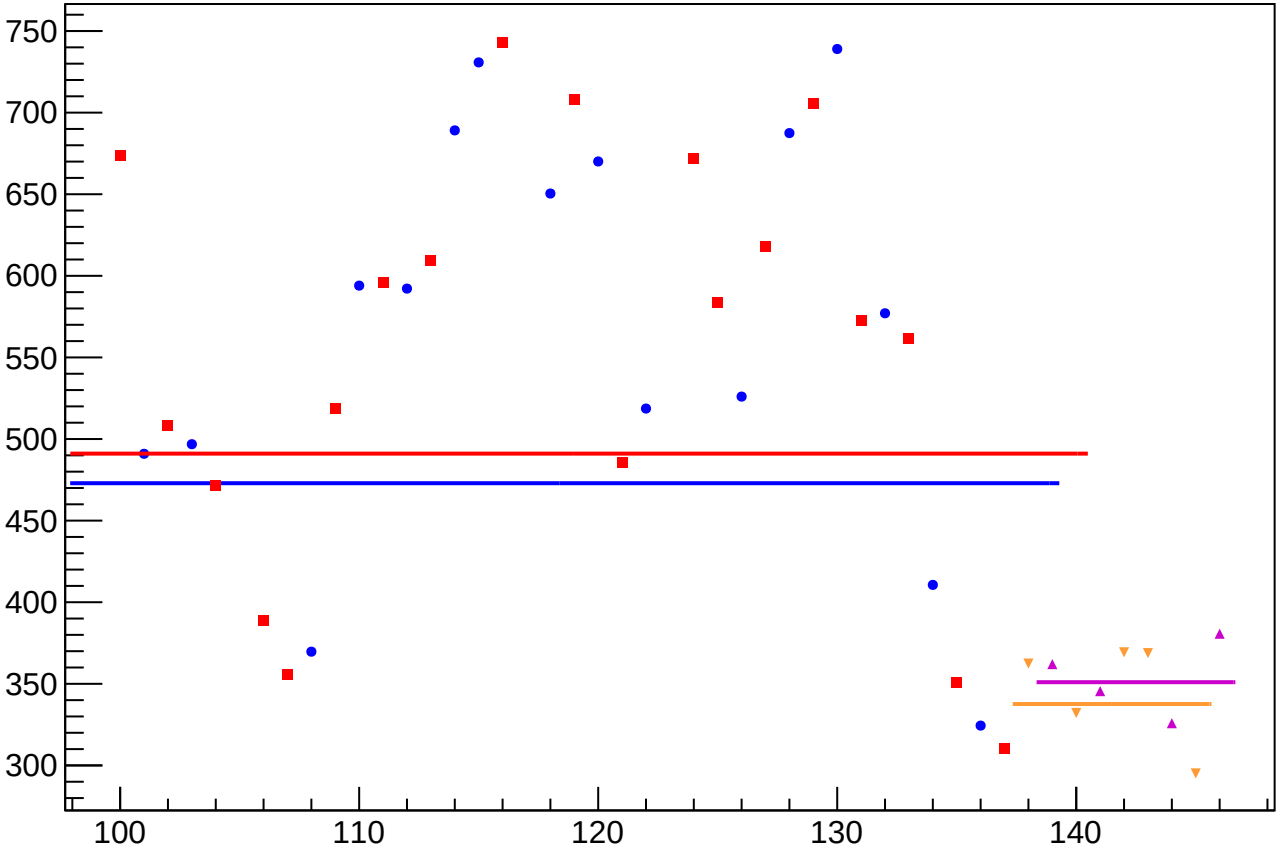
Left In: -136.487+/-188.232 χ^2/NDF:1.9/3

+ sign 107.448+/-127.036 χ^2/NDF: 26.2/20

All: 11.210+/-91.545 χ^2/NDF: 46.8/43

- sign -92.755+/-132.038 χ^2/NDF: 19.4/22

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 337.622+/-0.125 χ^2/NDF:59301.5/4

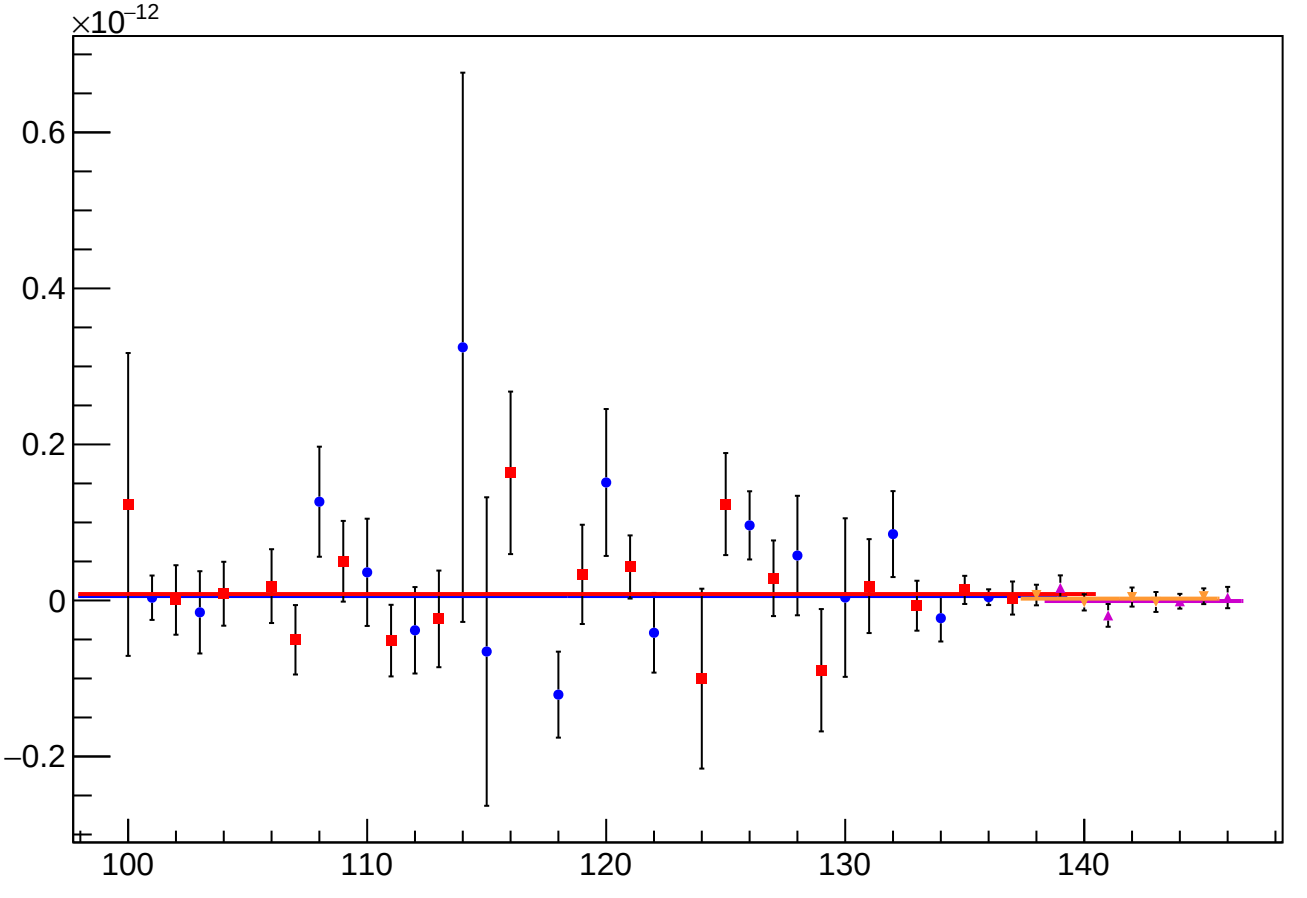
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 351.006+/-0.133 χ^2/NDF:23217.7/3

+ sign 403.070+/-0.090 χ^2/NDF: 1626155.7/20

All: 412.241+/-0.065 χ^2/NDF: 3080989.1/43

- sign 422.148+/-0.093 χ^2/NDF: 1433151.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/4

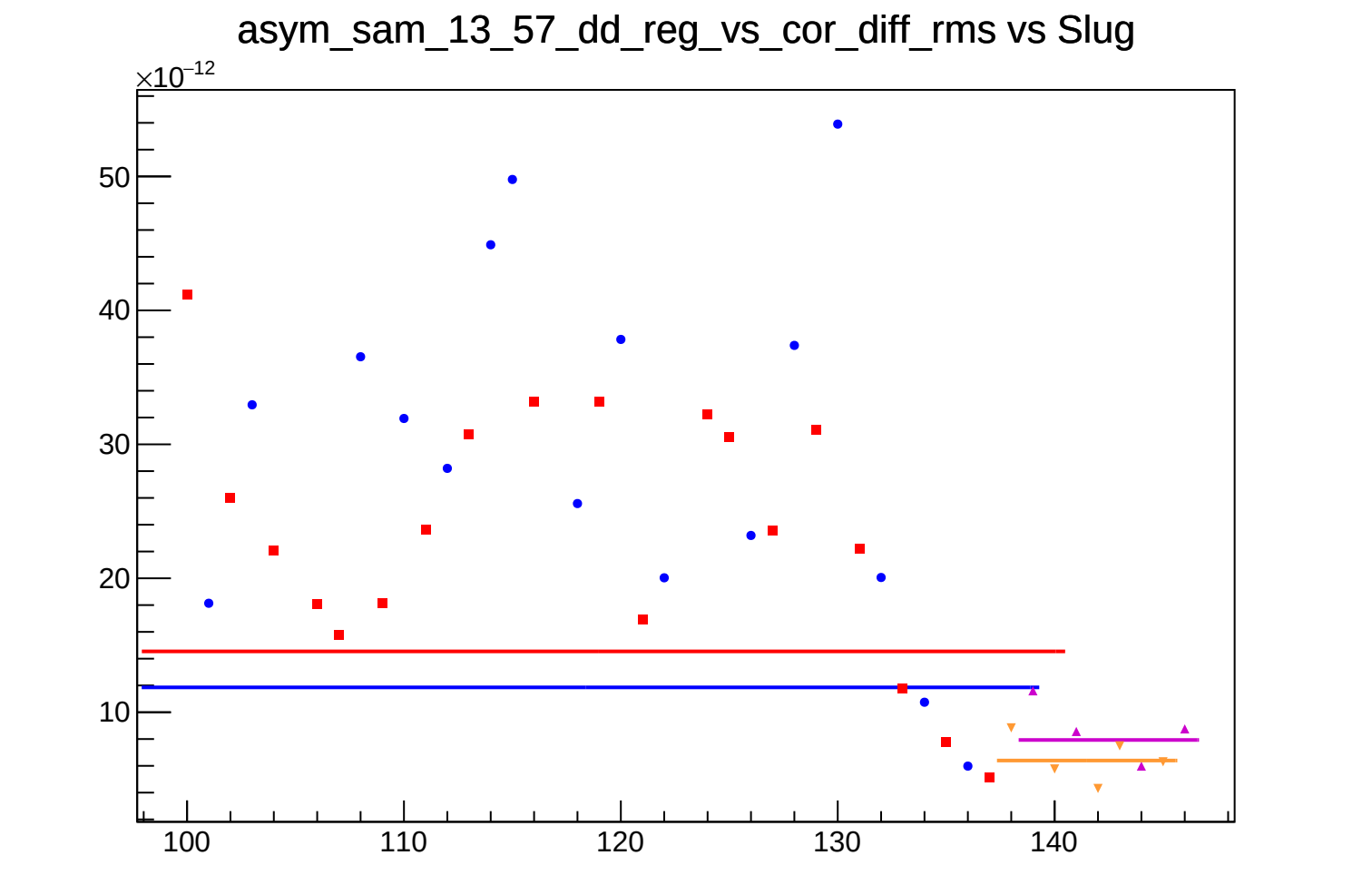
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

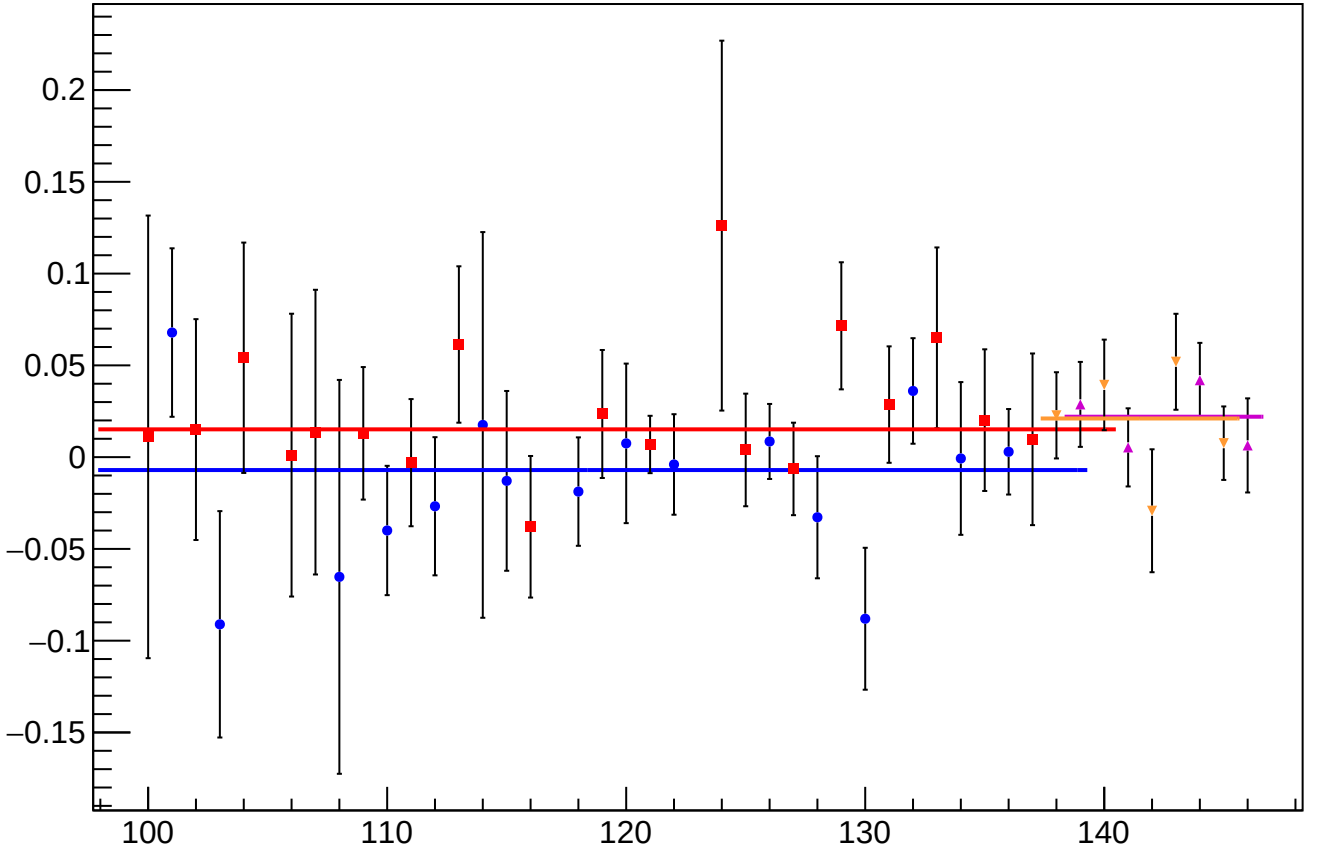
+ sign 0.000+/-0.000 χ^2/NDF: 21.8/20

All: 0.000+/-0.000 χ^2/NDF: 39.3/43

- sign 0.000+/-0.000 χ^2/NDF: 17.5/22


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:148596.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:201035.7/3
+ sign 0.000+/-0.000 χ²/NDF: 3642918.5/20
All: 0.000+/-0.000 χ²/NDF: 6488660.9/43
- sign 0.000+/-0.000 χ²/NDF: 2664422.3/22

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: 0.021+/-0.011 χ^2/NDF:4.7/4

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

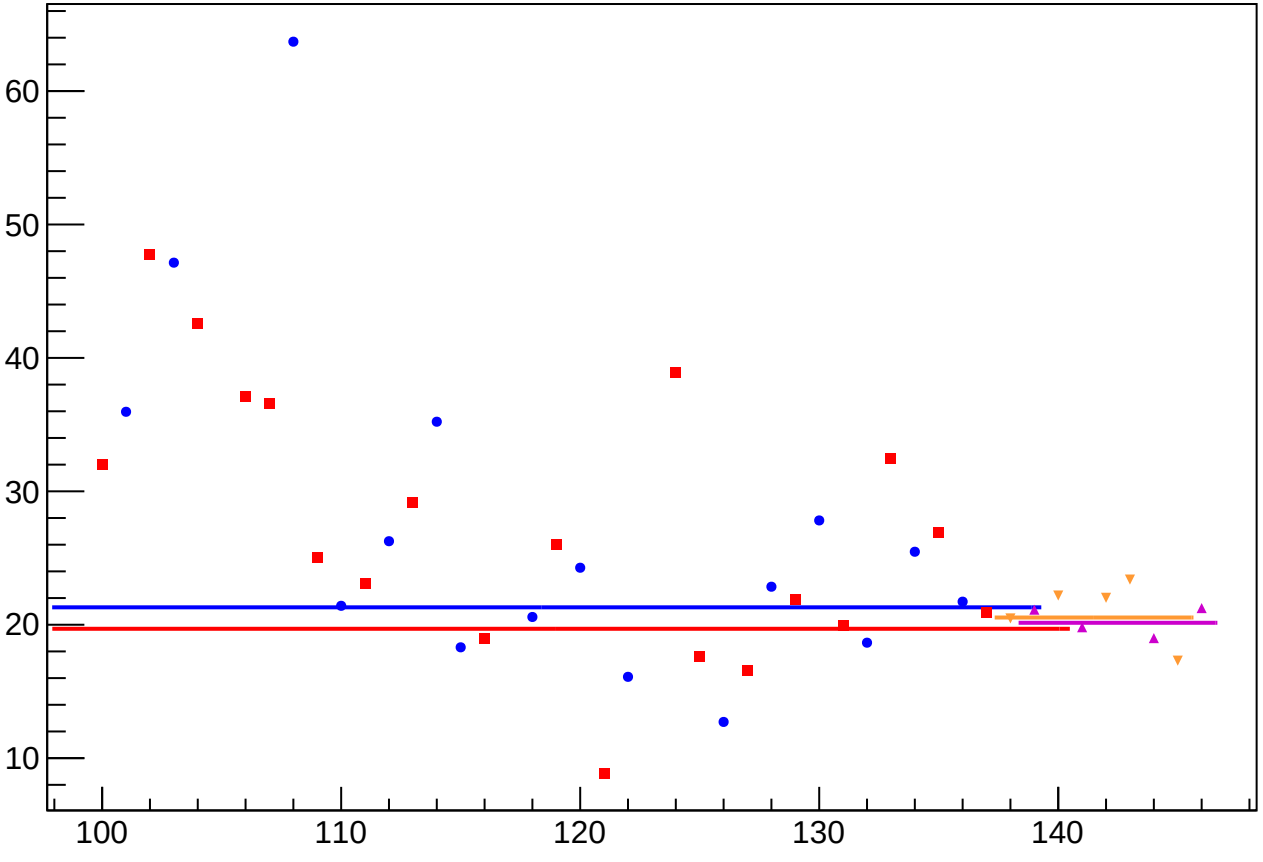
Left In: 0.022+/-0.011 χ^2/NDF:2.0/3

+ sign 0.004+/-0.007 χ^2/NDF: 23.1/20

All: 0.011+/-0.005 χ^2/NDF: 37.5/43

- sign 0.018+/-0.007 χ^2/NDF: 12.4/22

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: 20.541+/-0.008 χ^2/NDF:88686.6/4

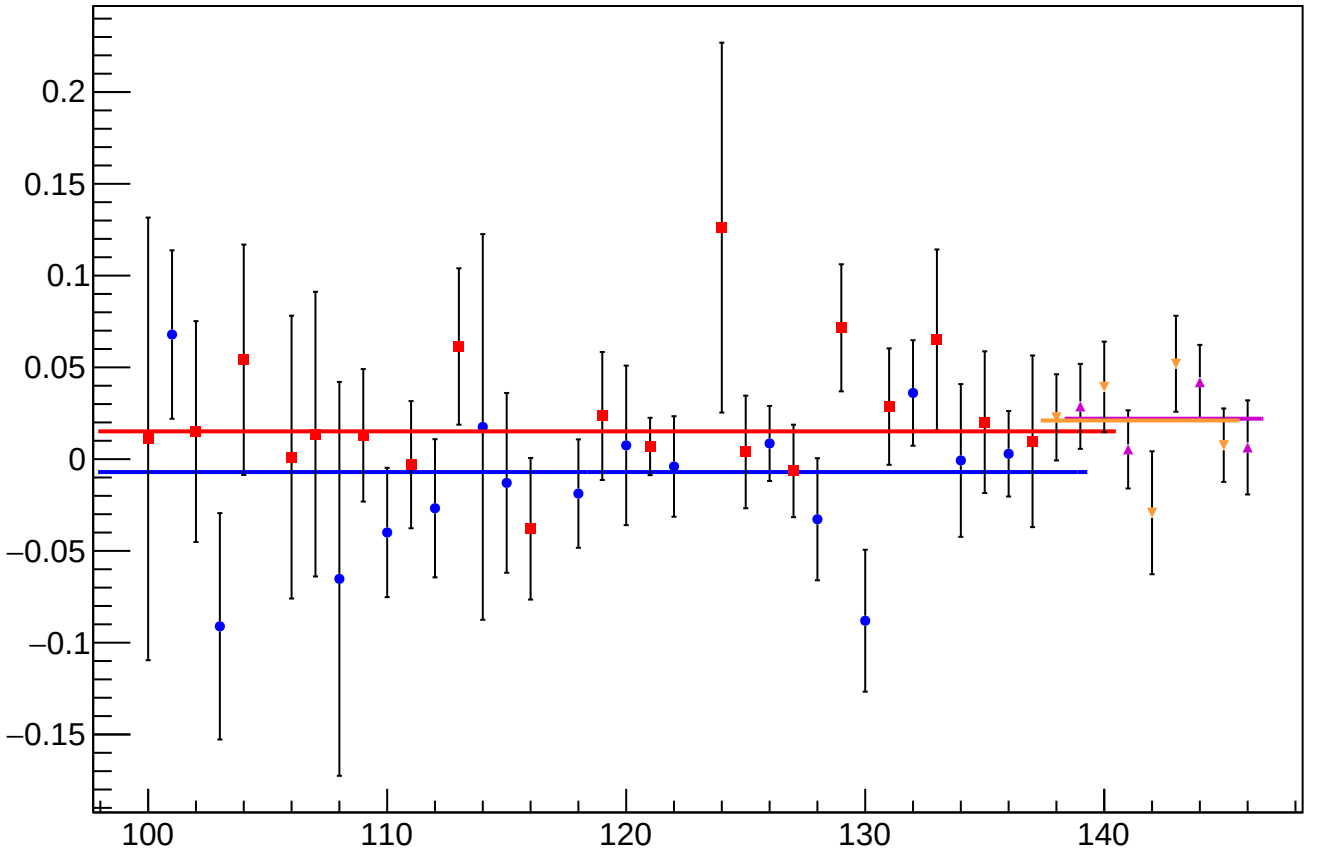
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.146+/-0.008 χ^2/NDF:14175.0/3

+ sign 21.014+/-0.005 χ^2/NDF: 1574079.8/20

All: 20.421+/-0.003 χ^2/NDF: 4059226.0/43

- sign 19.855+/-0.005 χ^2/NDF: 2455250.8/22



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.011 χ^2/NDF:4.7/4

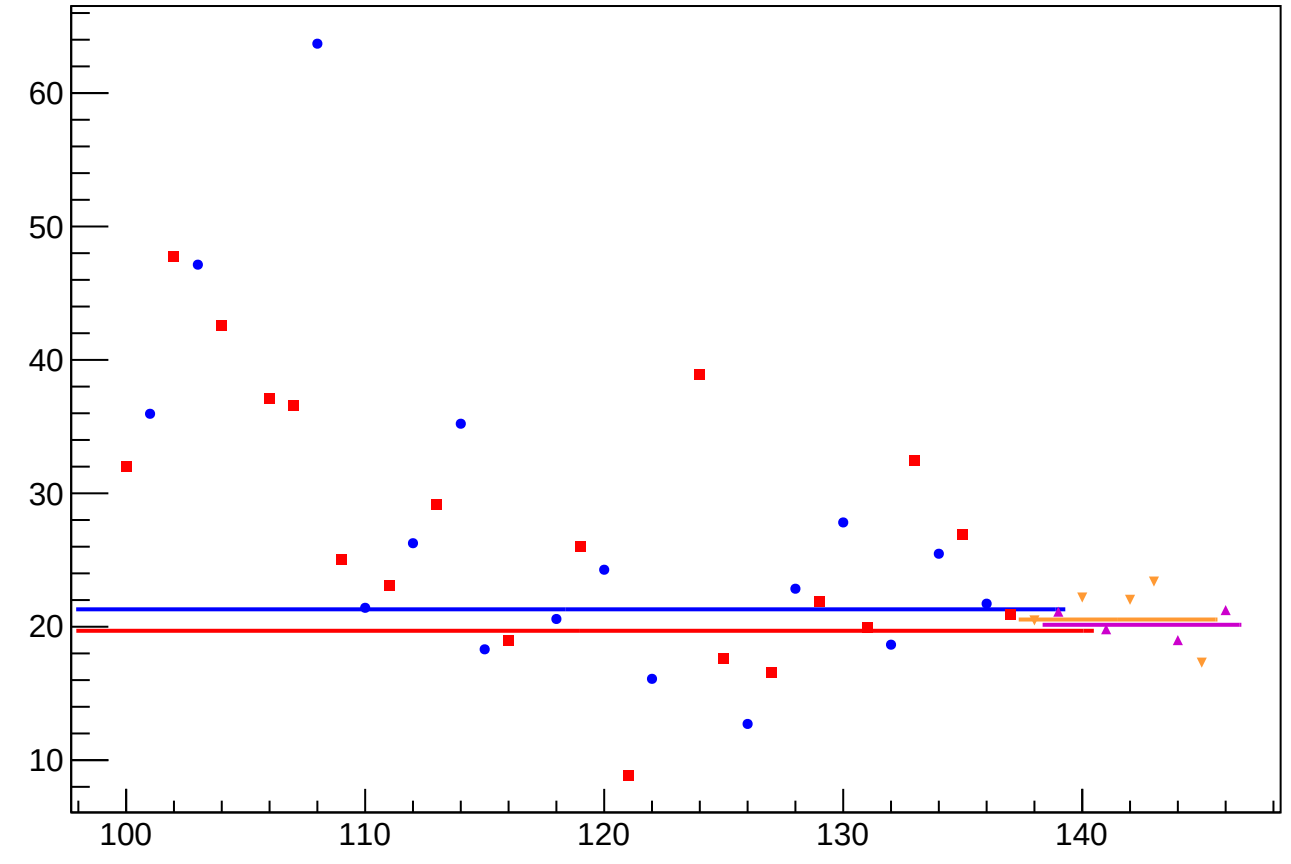
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.022+/-0.011 χ^2/NDF:2.0/3

\+ sign 0.004+/-0.007 χ^2/NDF: 23.1/20

All: 0.011+/-0.005 χ^2/NDF: 37.5/43

\- sign 0.018+/-0.007 χ^2/NDF: 12.4/22



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.541+/-0.008 χ^2/NDF:88686.6/4

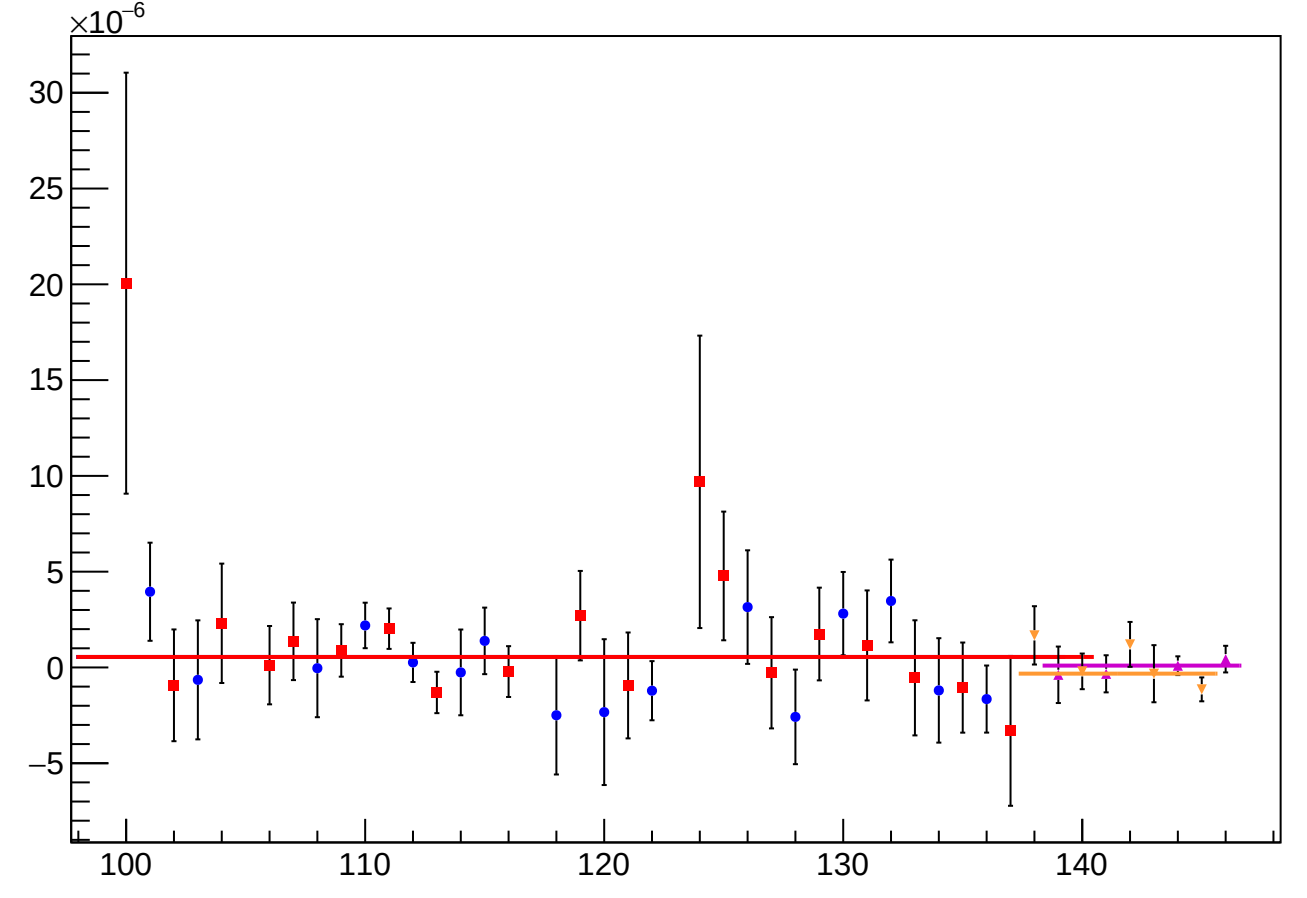
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.146+/-0.008 χ^2/NDF:14175.0/3

+ sign 21.014+/-0.005 χ^2/NDF: 1574079.8/20

All: 20.421+/-0.003 χ^2/NDF: 4059226.0/43

- sign 19.855+/-0.005 χ^2/NDF: 2455250.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/4

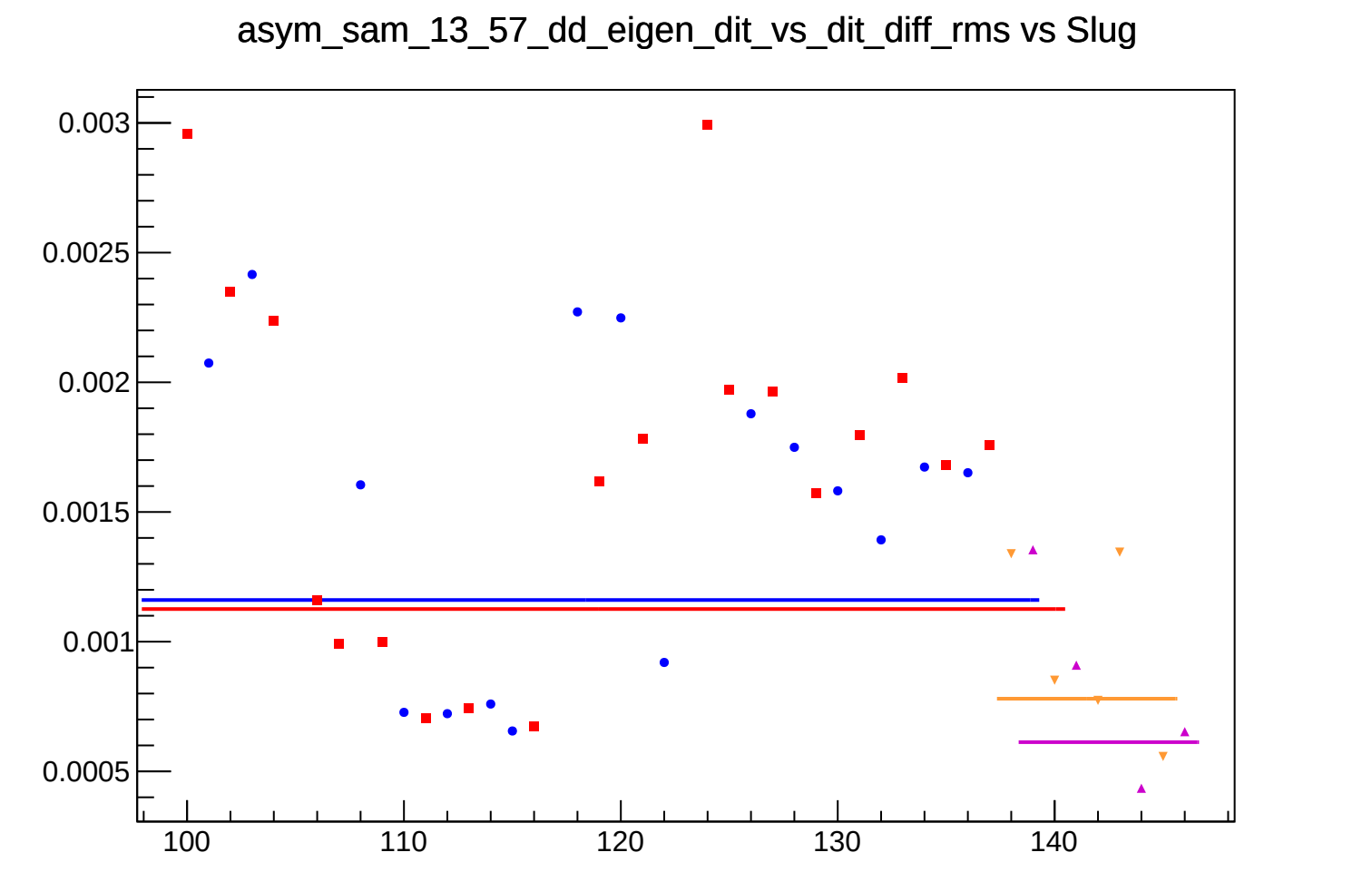
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.4/20

All: 0.000+/-0.000 χ^2/NDF: 38.1/43

- sign 0.000+/-0.000 χ^2/NDF: 16.5/22



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:823960.9/4

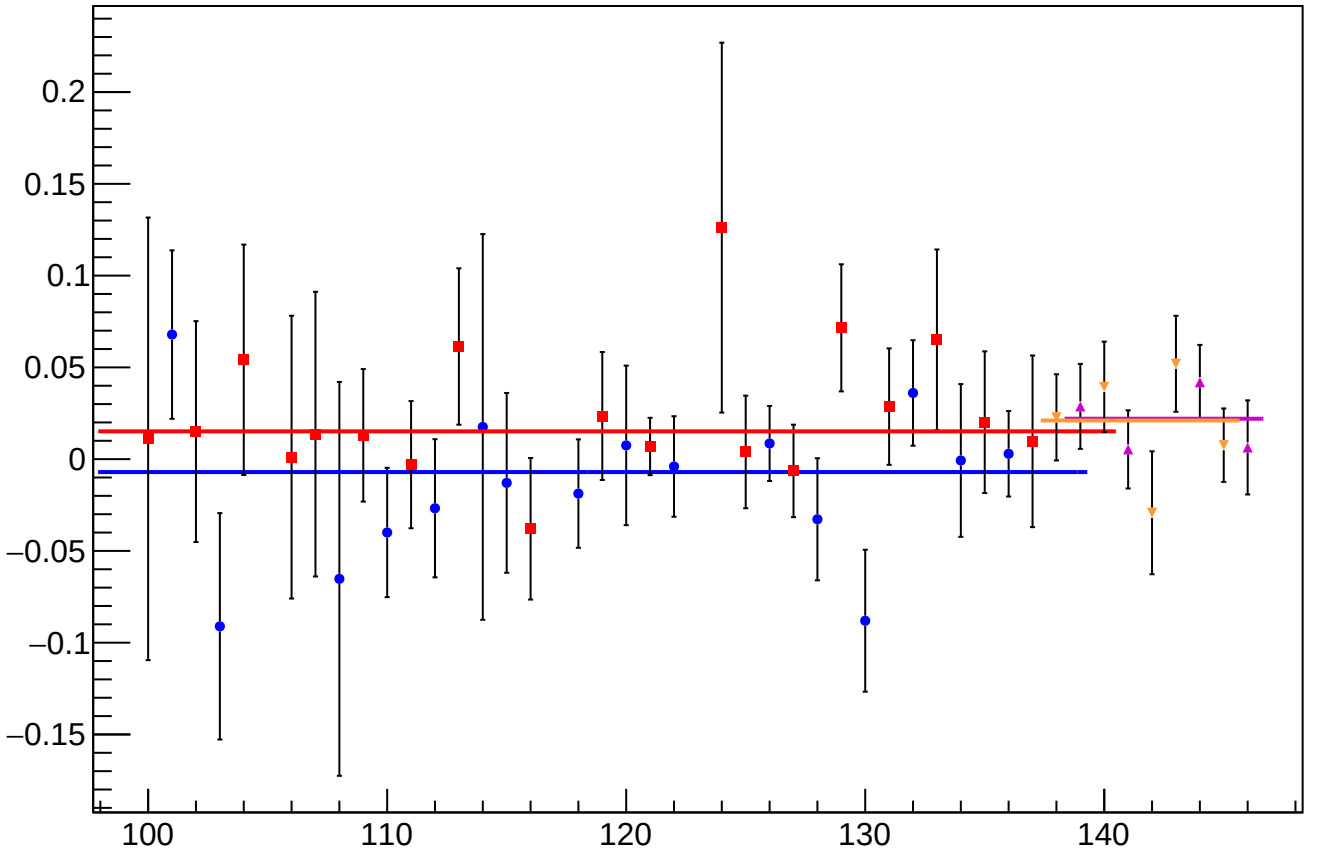
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:964555.7/3

+ sign 0.001+/-0.000 χ^2/NDF: 4053885.1/20

All: 0.001+/-0.000 χ^2/NDF: 9422131.5/43

- sign 0.001+/-0.000 χ^2/NDF: 5142343.2/22



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.011 χ^2/NDF:4.7/4

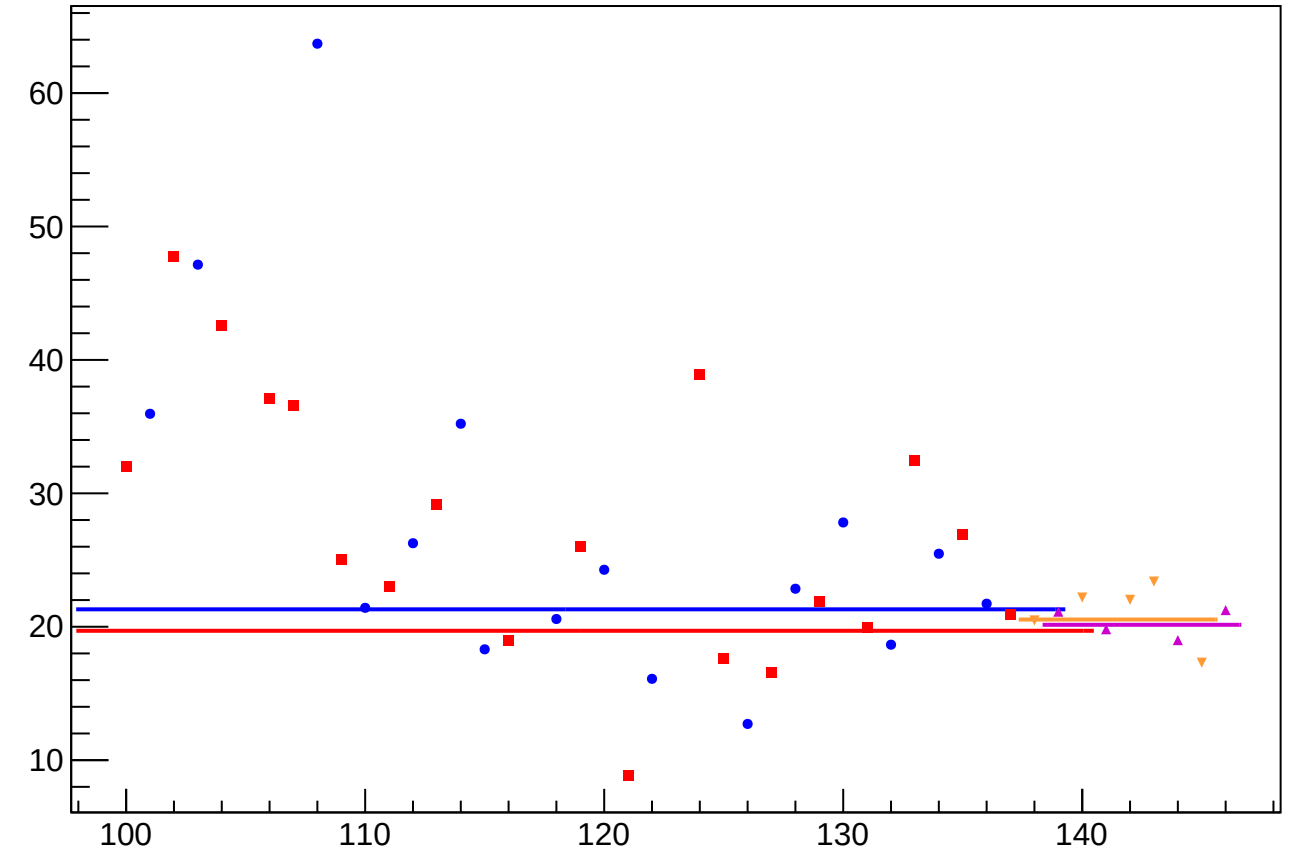
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.022+/-0.011 χ^2/NDF:2.0/3

\+ sign 0.004+/-0.007 χ^2/NDF: 23.1/20

All: 0.011+/-0.005 χ^2/NDF: 37.5/43

\- sign 0.018+/-0.007 χ^2/NDF: 12.4/22



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.541+/-0.008 χ^2/NDF:88699.8/4

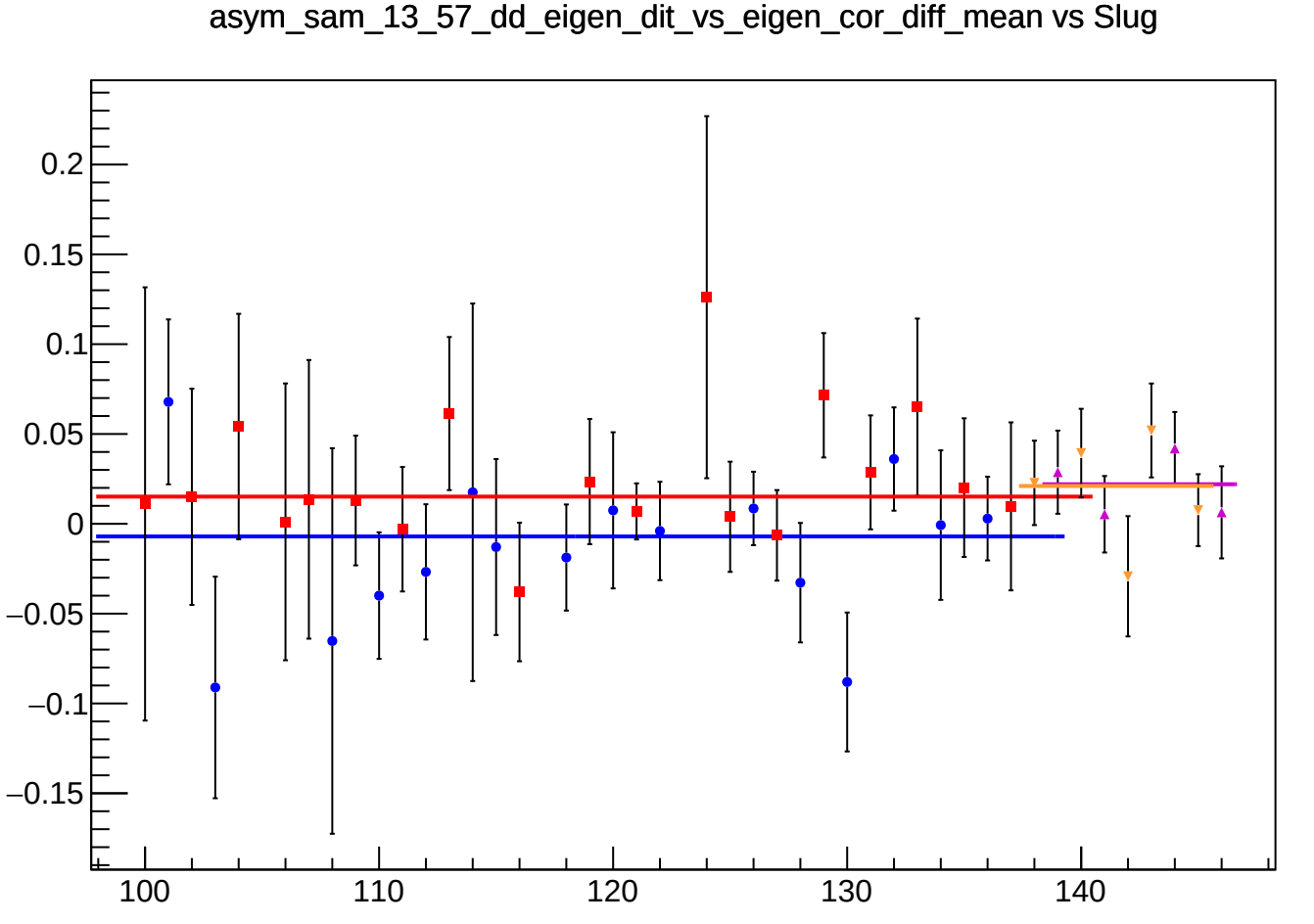
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.146+/-0.008 χ^2/NDF:14179.3/3

+ sign 21.014+/-0.005 χ^2/NDF: 1573929.6/20

All: 20.421+/-0.003 χ^2/NDF: 4058693.4/43

- sign 19.855+/-0.005 χ^2/NDF: 2454884.1/22



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.011 χ^2/NDF:4.7/4

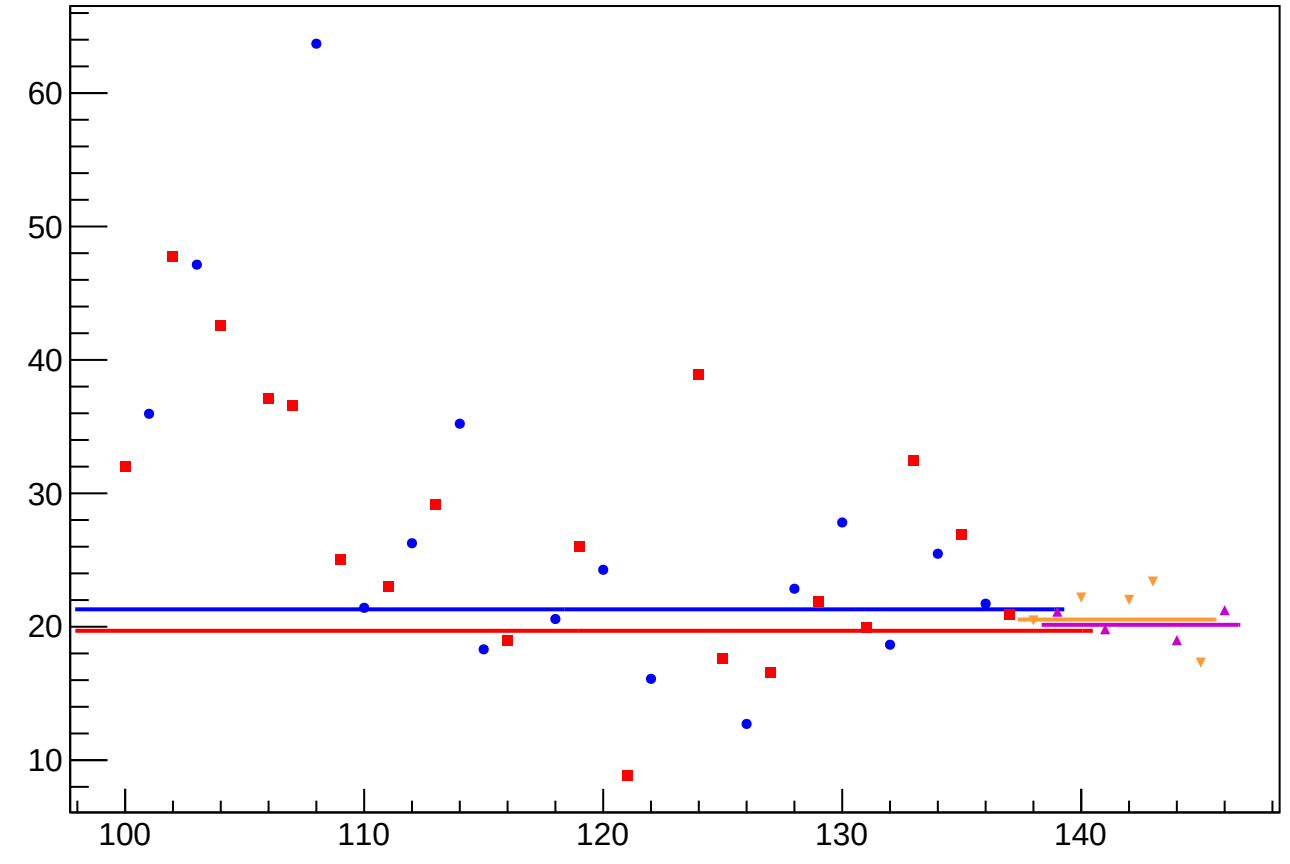
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.022+/-0.011 χ^2/NDF:2.0/3

\+ sign 0.004+/-0.007 χ^2/NDF: 23.1/20

All: 0.011+/-0.005 χ^2/NDF: 37.5/43

\- sign 0.018+/-0.007 χ^2/NDF: 12.4/22



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.541+/-0.008 χ^2/NDF:88699.8/4

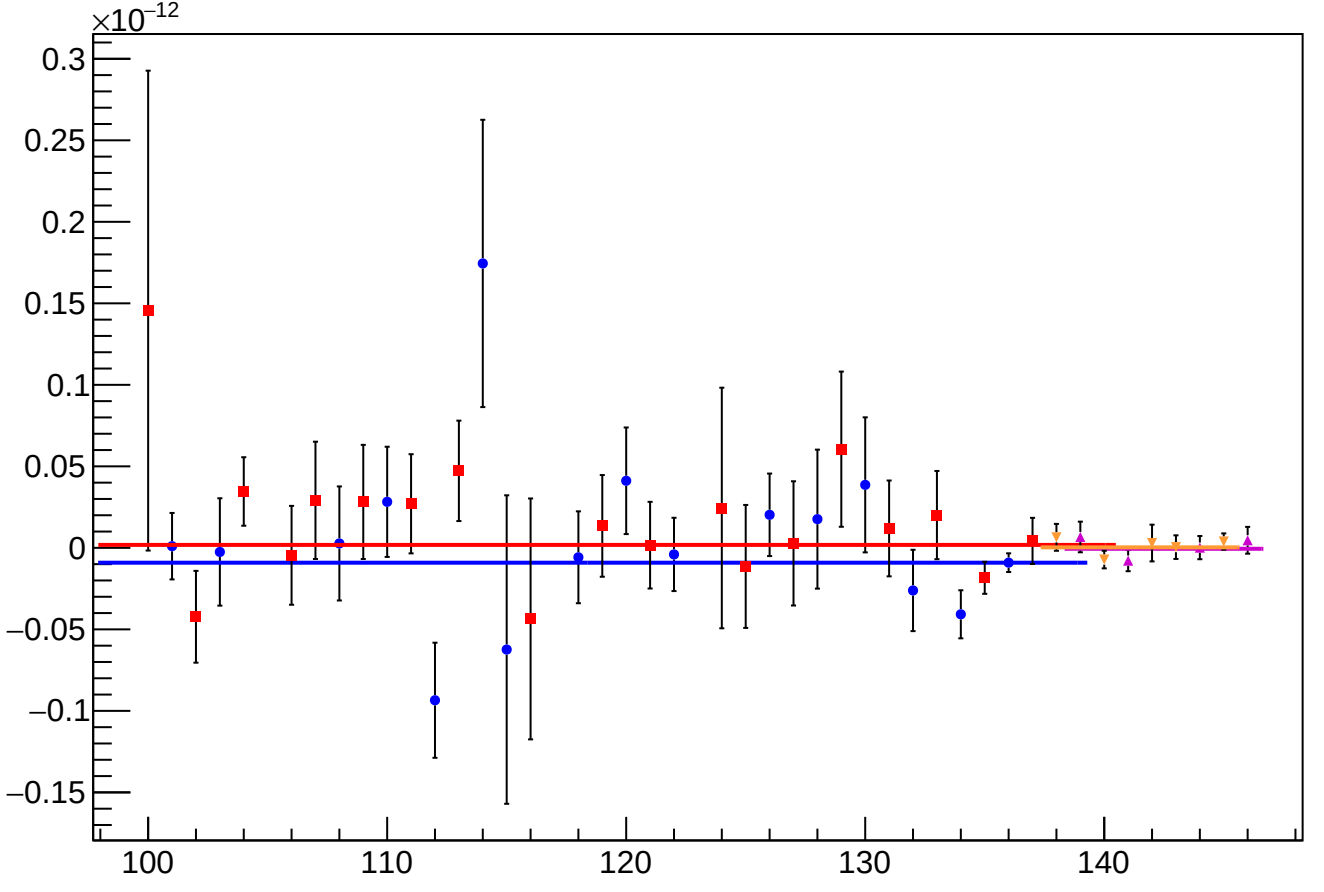
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.146+/-0.008 χ^2/NDF:14179.3/3

+ sign 21.014+/-0.005 χ^2/NDF: 1573929.6/20

All: 20.421+/-0.003 χ^2/NDF: 4058693.4/43

- sign 19.855+/-0.005 χ^2/NDF: 2454884.1/22



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/4

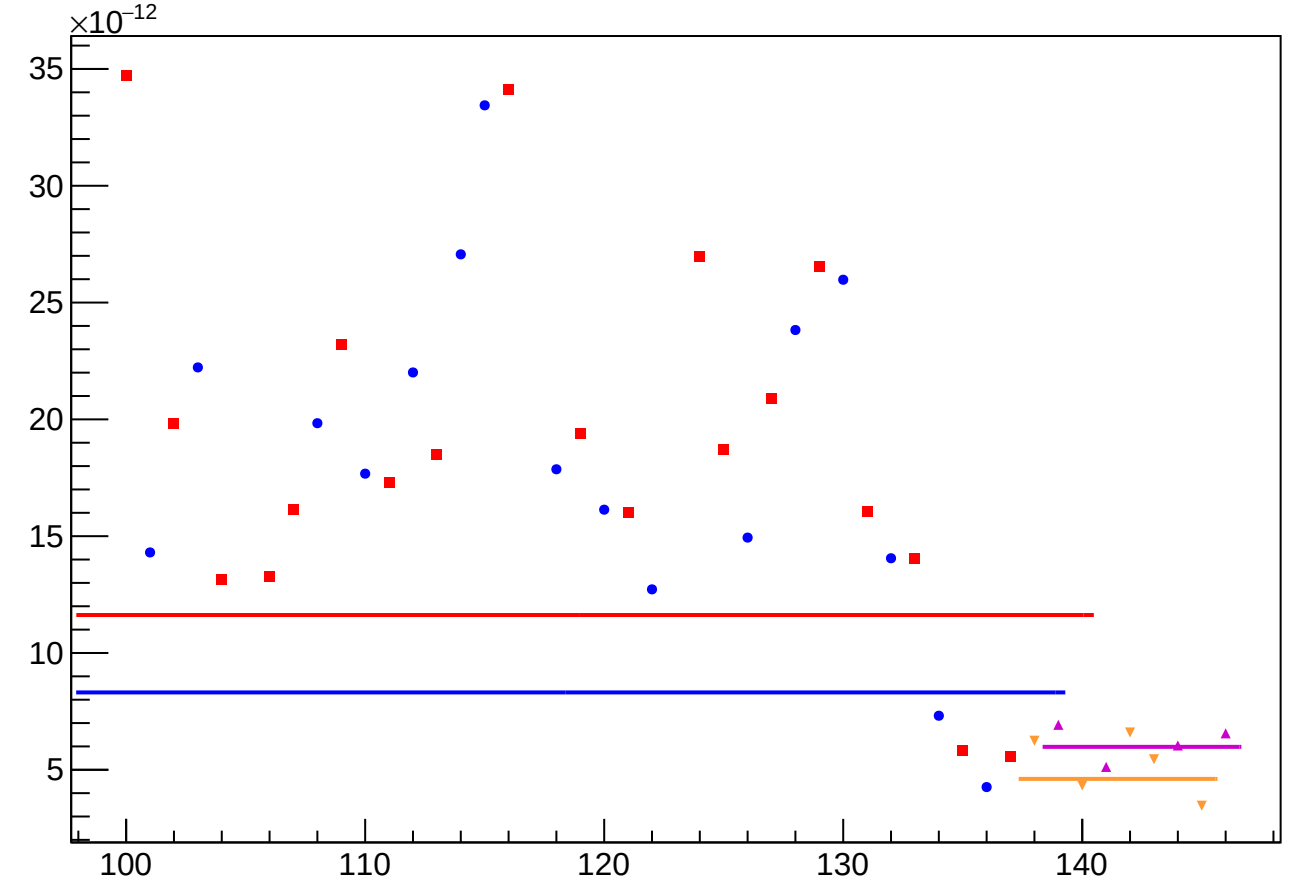
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/20

All: -0.000+/-0.000 χ^2/NDF: 48.5/43

- sign 0.000+/-0.000 χ^2/NDF: 19.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:278433.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

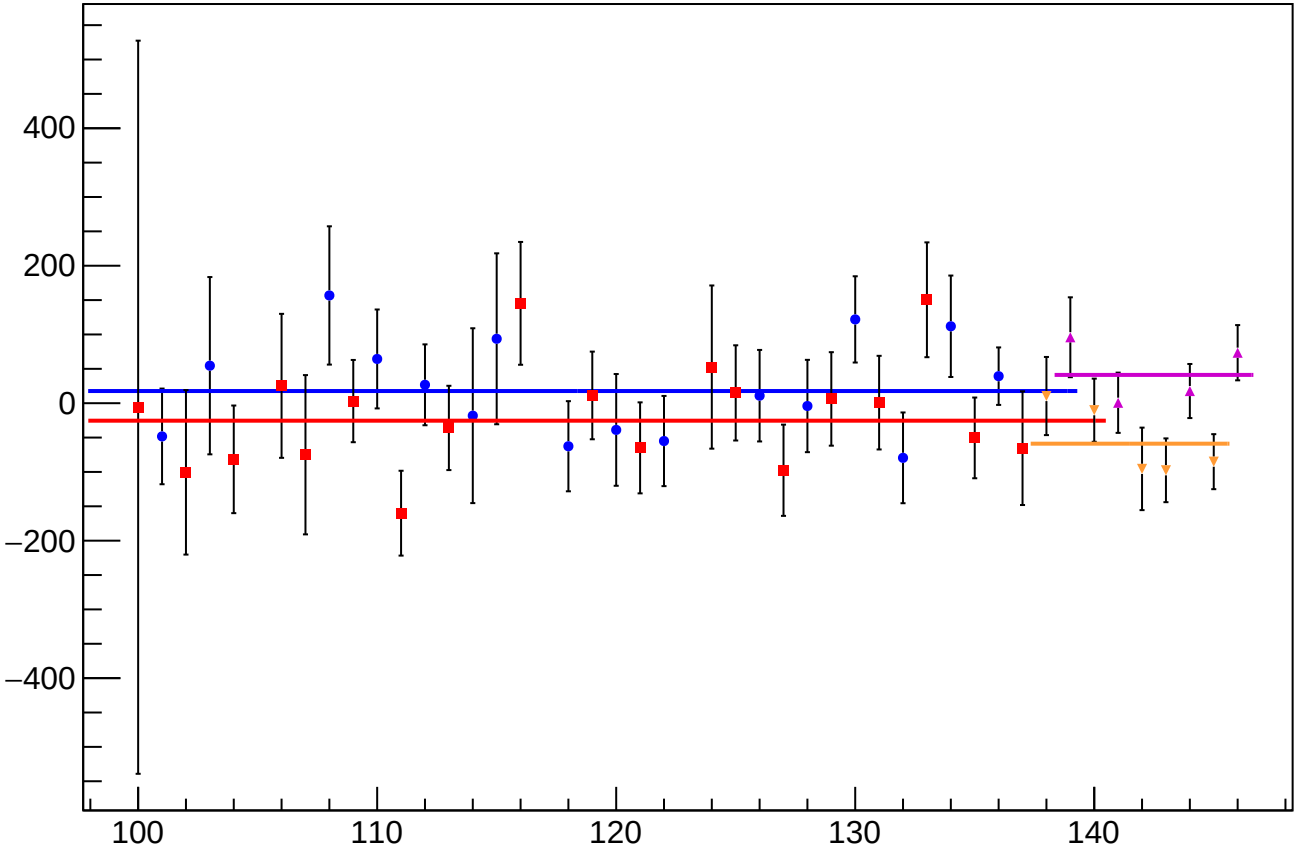
Left In: 0.000+/-0.000 χ^2/NDF:65237.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 4960374.6/20

All: 0.000+/-0.000 χ^2/NDF: 9501801.6/43

- sign 0.000+/-0.000 χ^2/NDF: 4040988.2/22

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -58.892+/-21.566 χ^2/NDF:4.1/4

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

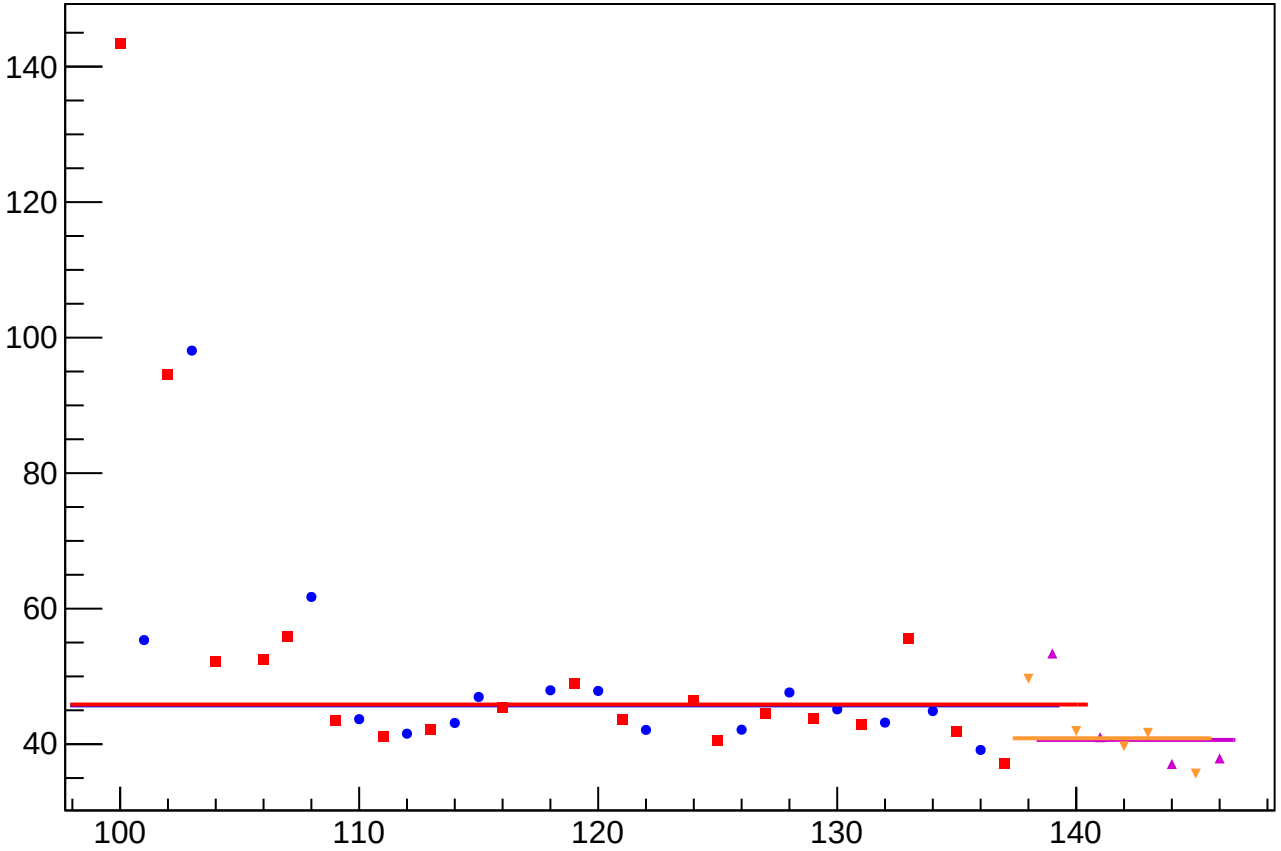
Left In: 41.150+/-21.916 χ^2/NDF:2.7/3

+ sign -12.646+/-13.575 χ^2/NDF: 25.7/20

All: -6.238+/-9.607 χ^2/NDF: 52.4/43

- sign 0.190+/-13.597 χ^2/NDF: 26.3/22

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.872+/-0.015 χ^2/NDF:84148.9/4

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

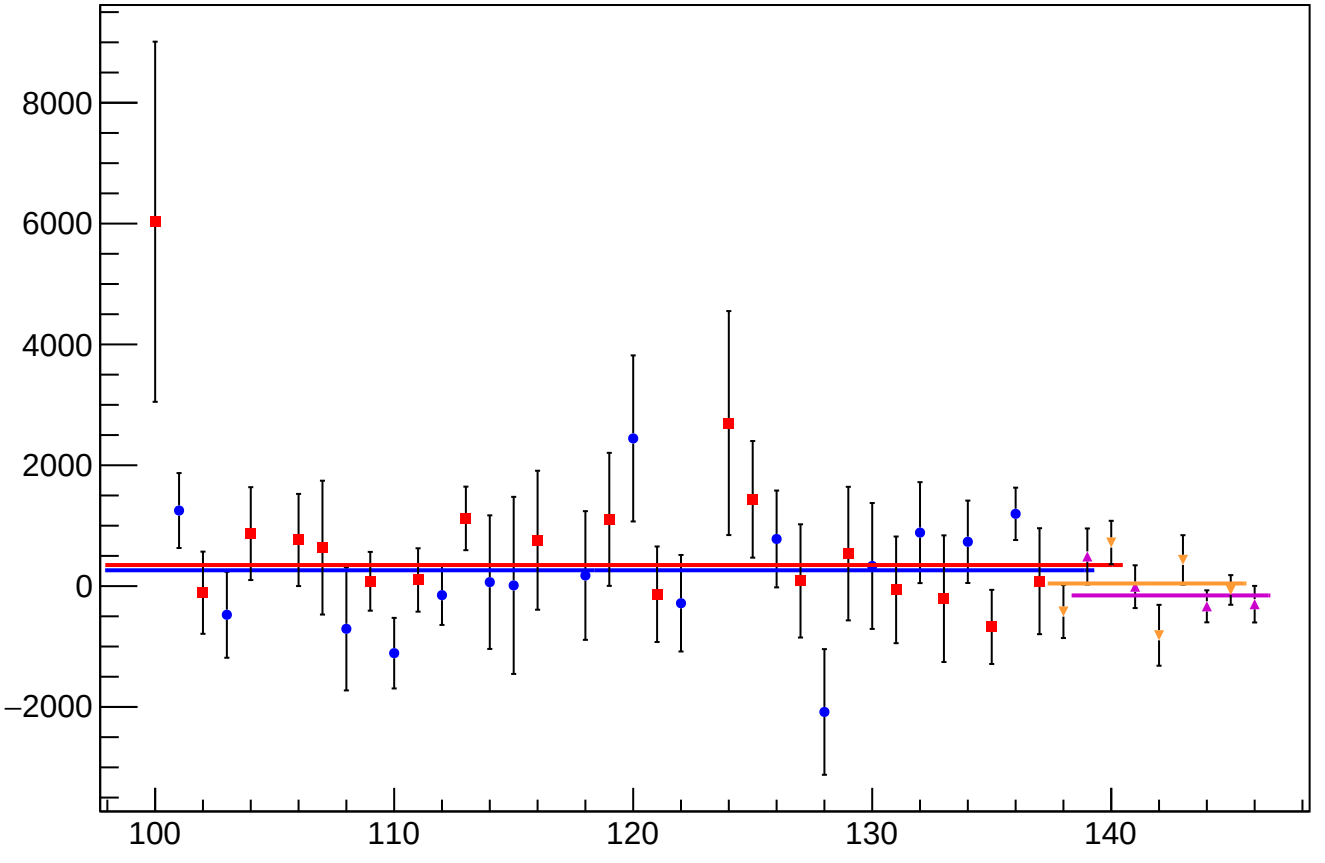
Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

+ sign 43.803+/-0.010 χ^2/NDF: 646793.6/20

All: 43.822+/-0.007 χ^2/NDF: 1378761.9/43

- sign 43.840+/-0.010 χ^2/NDF: 731961.0/22

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 43.324+/-159.220 χ^2/NDF:8.7/4

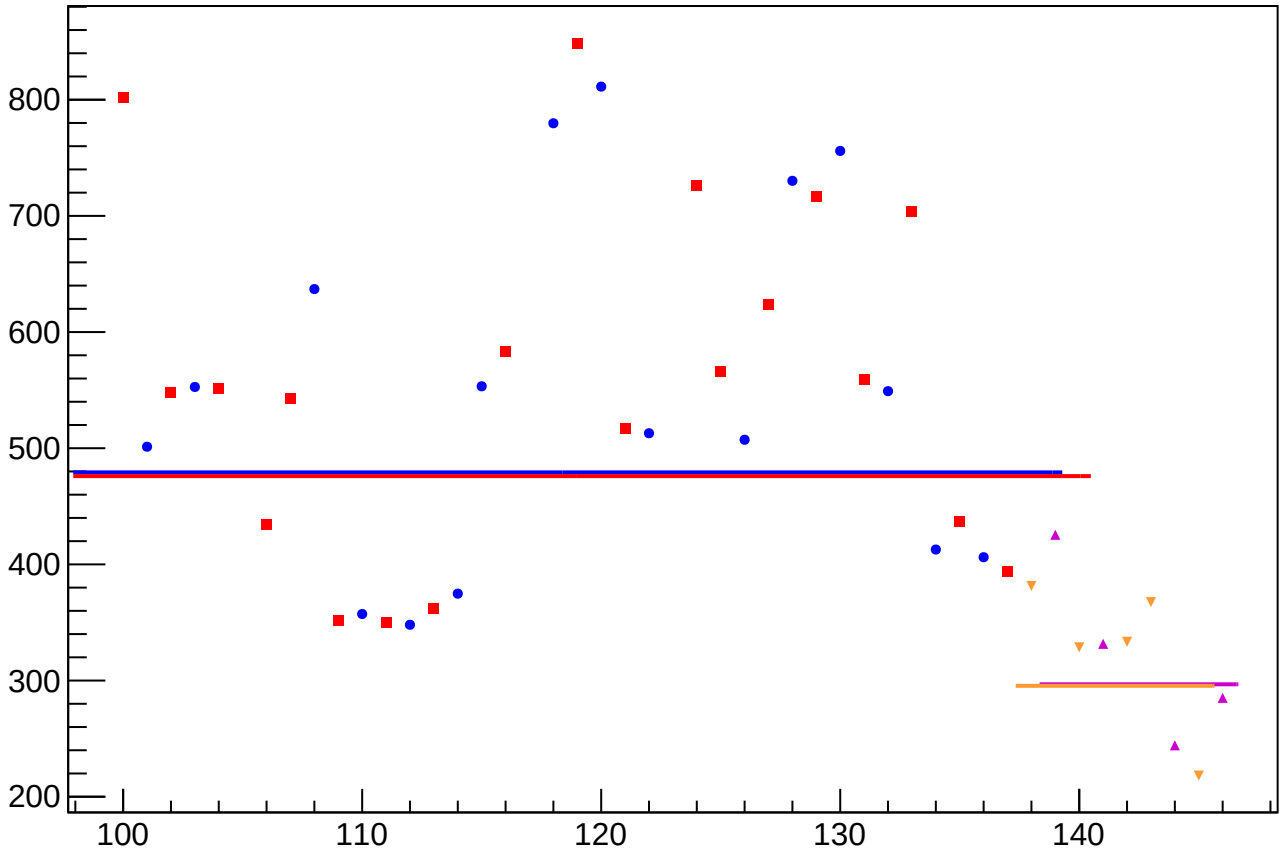
Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -154.368+/-162.619 χ^2/NDF:2.8/3

+ sign 136.230+/-120.738 χ^2/NDF: 34.4/20

All: 103.533+/-85.422 χ^2/NDF: 56.6/43

- sign 70.764+/-120.872 χ^2/NDF: 22.0/22



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 295.466+/-0.113 χ^2/NDF:365495.7/4

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

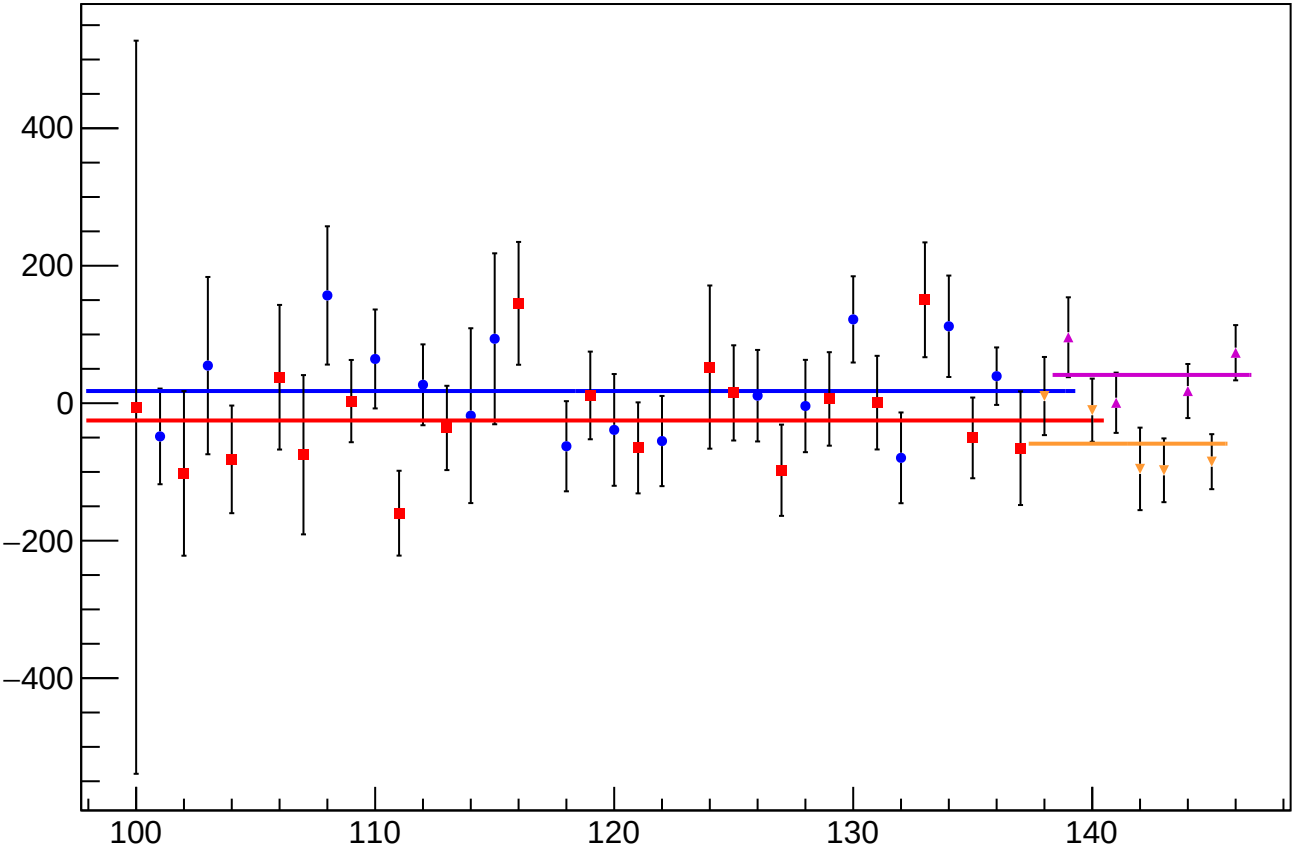
Left In: 296.768+/-0.115 χ^2/NDF:255365.5/3

+ sign 373.538+/-0.085 χ^2/NDF: 2449707.8/20

All: 375.255+/-0.060 χ^2/NDF: 4799546.7/43

- sign 376.976+/-0.085 χ^2/NDF: 2349028.7/22

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -58.890+/-21.566 χ^2/NDF:4.1/4

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

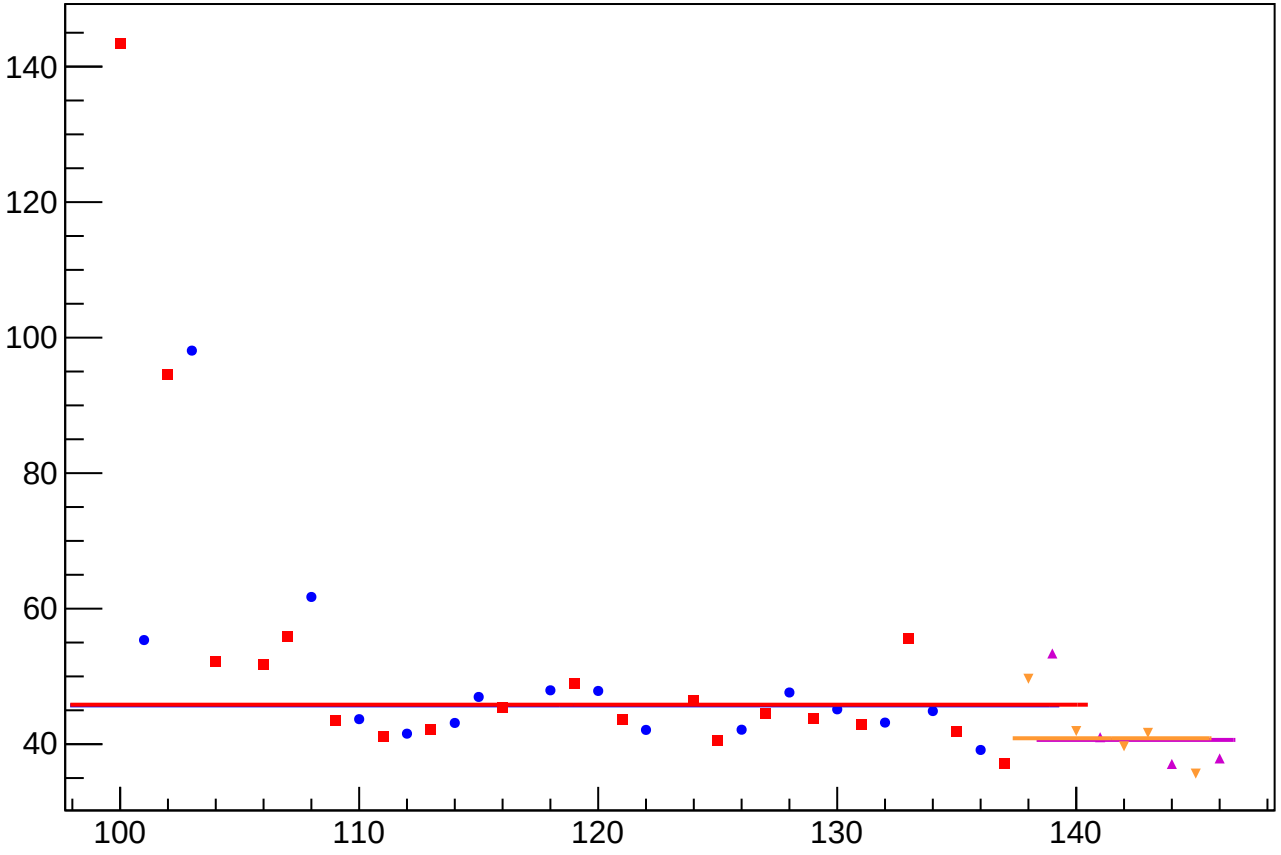
Left In: 41.147+/-21.916 χ^2/NDF:2.7/3

+ sign -12.642+/-13.575 χ^2/NDF: 25.7/20

All: -6.145+/-9.607 χ^2/NDF: 52.5/43

- sign 0.375+/-13.598 χ^2/NDF: 26.4/22

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.872+/-0.015 χ^2/NDF:84148.9/4

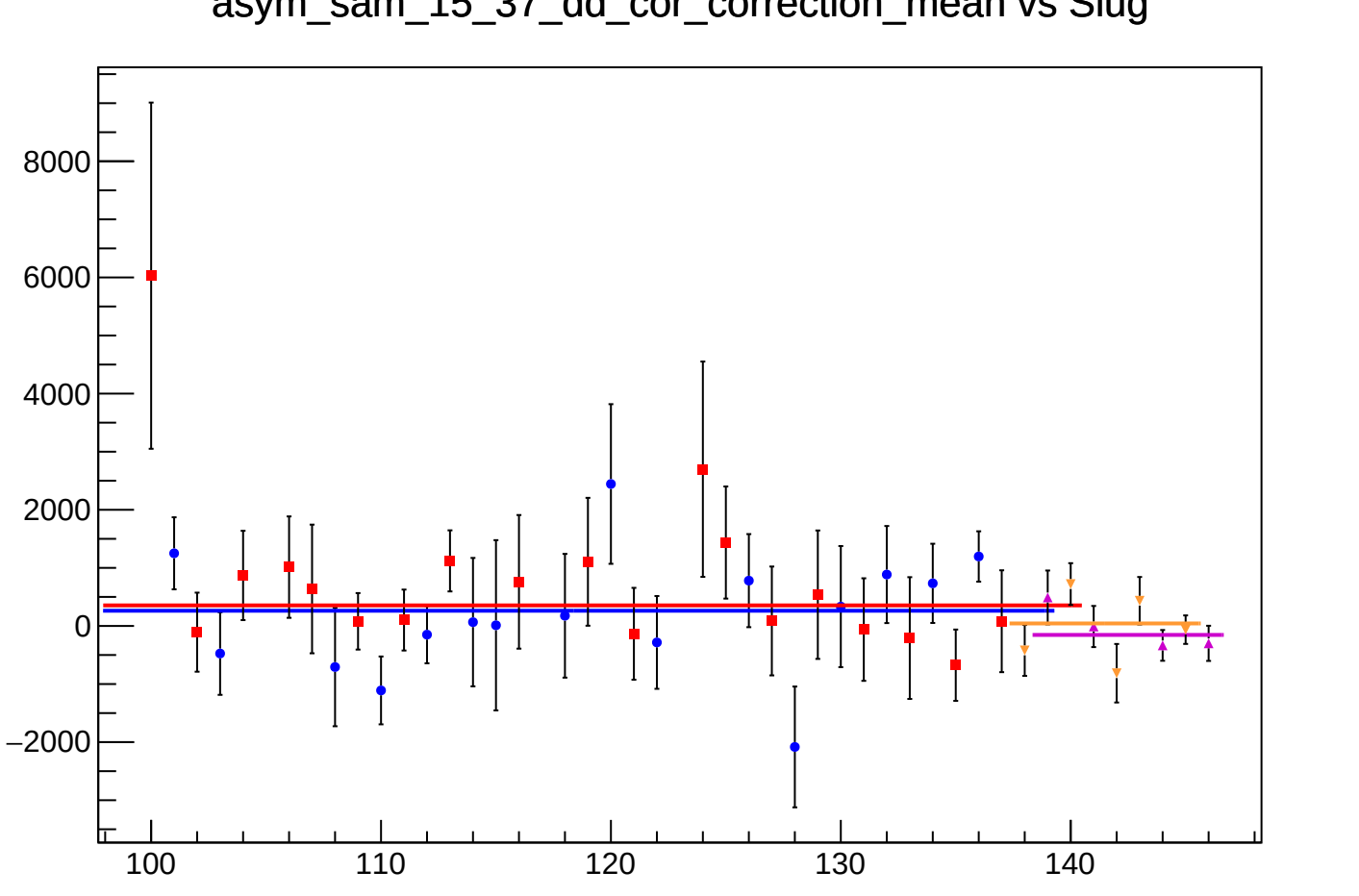
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

+ sign 43.803+/-0.010 χ^2/NDF: 646796.6/20

All: 43.814+/-0.007 χ^2/NDF: 1376430.5/43

- sign 43.825+/-0.010 χ^2/NDF: 729631.3/22



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 43.322+/-159.220 χ^2/NDF:8.7/4

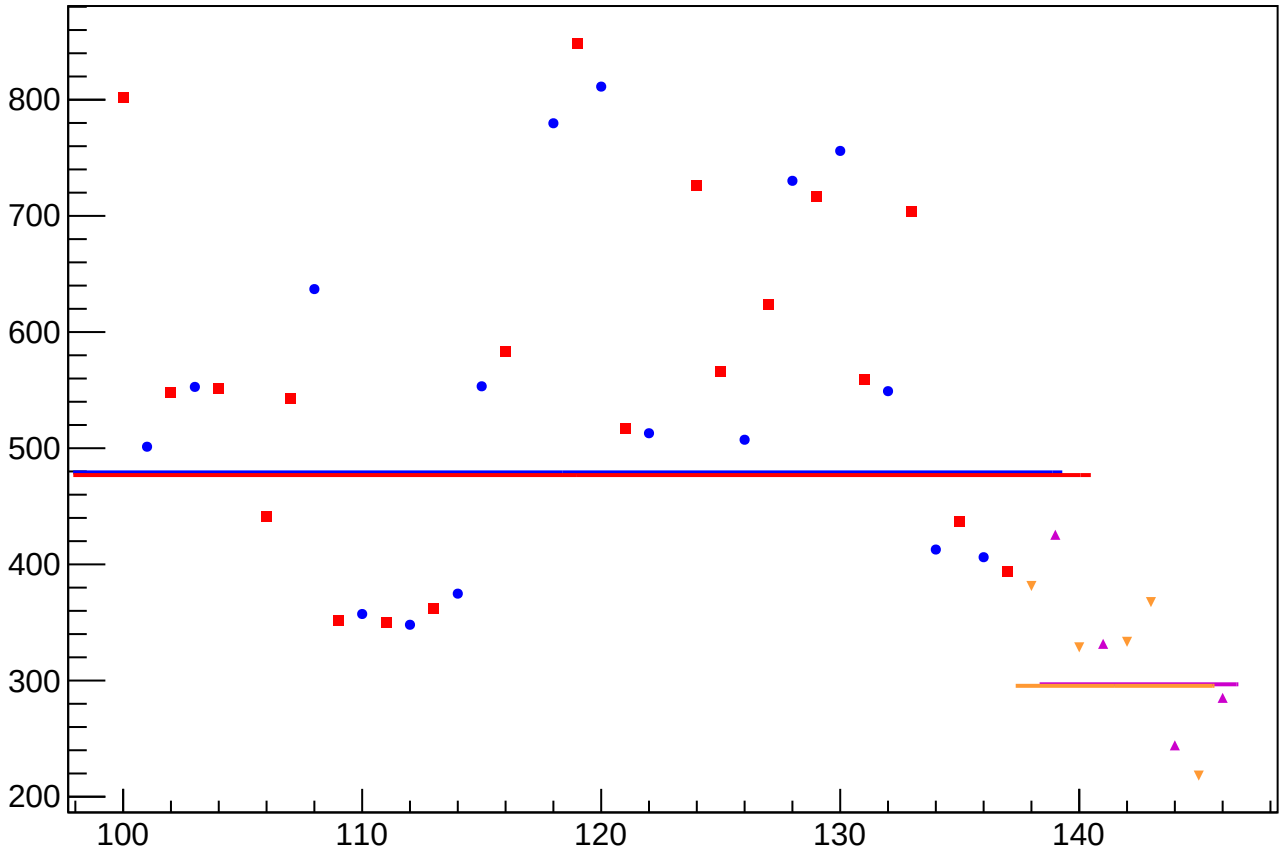
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -154.369+/-162.620 χ^2/NDF:2.8/3

+ sign 136.229+/-120.738 χ^2/NDF: 34.4/20

All: 104.018+/-85.550 χ^2/NDF: 56.9/43

- sign 71.542+/-121.236 χ^2/NDF: 22.3/22



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 295.466+/-0.113 χ^2/NDF:365495.9/4

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

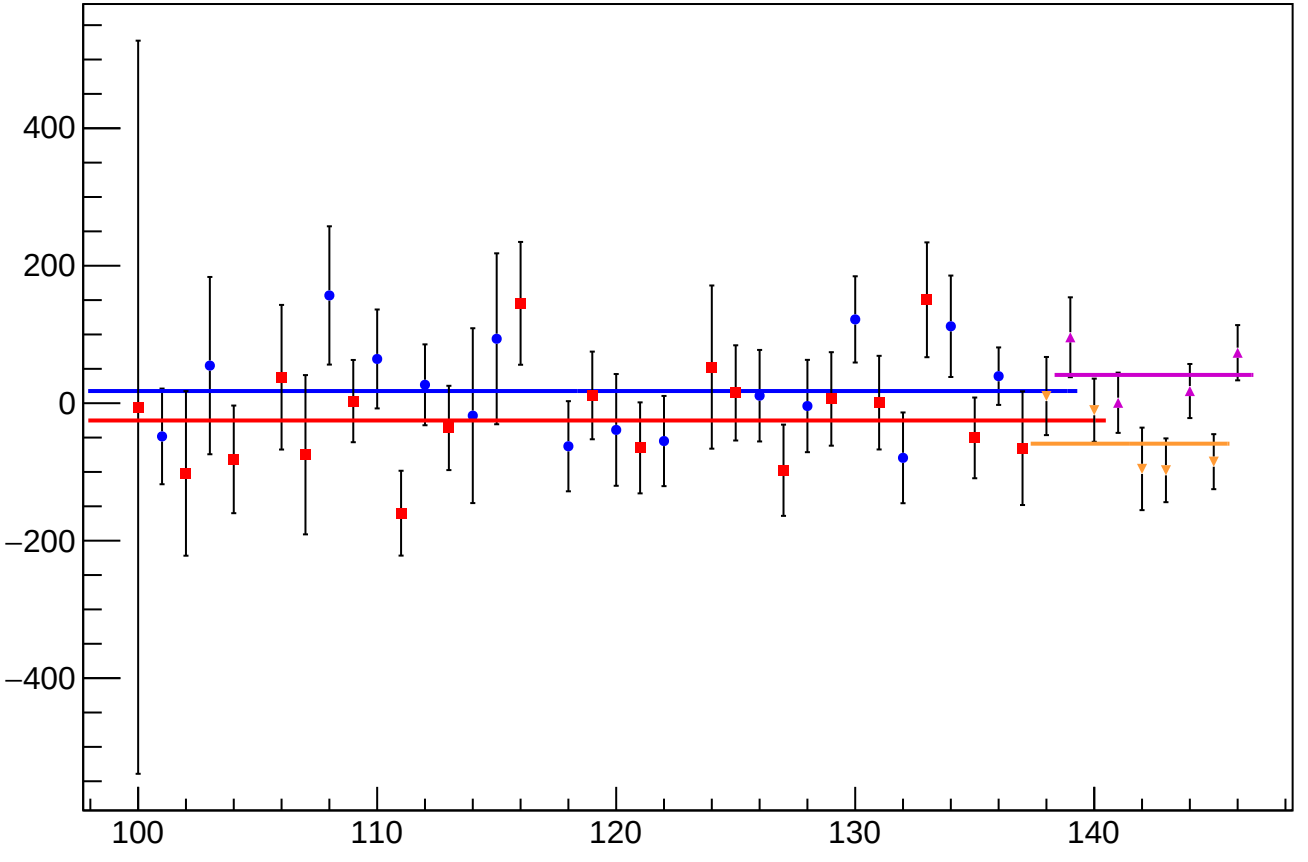
Left In: 296.768+/-0.115 χ^2/NDF:255366.5/3

+ sign 373.538+/-0.085 χ^2/NDF: 2449757.9/20

All: 375.152+/-0.060 χ^2/NDF: 4799577.4/43

- sign 376.780+/-0.086 χ^2/NDF: 2349101.3/22

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -58.890+/-21.566 χ^2/NDF:4.1/4

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

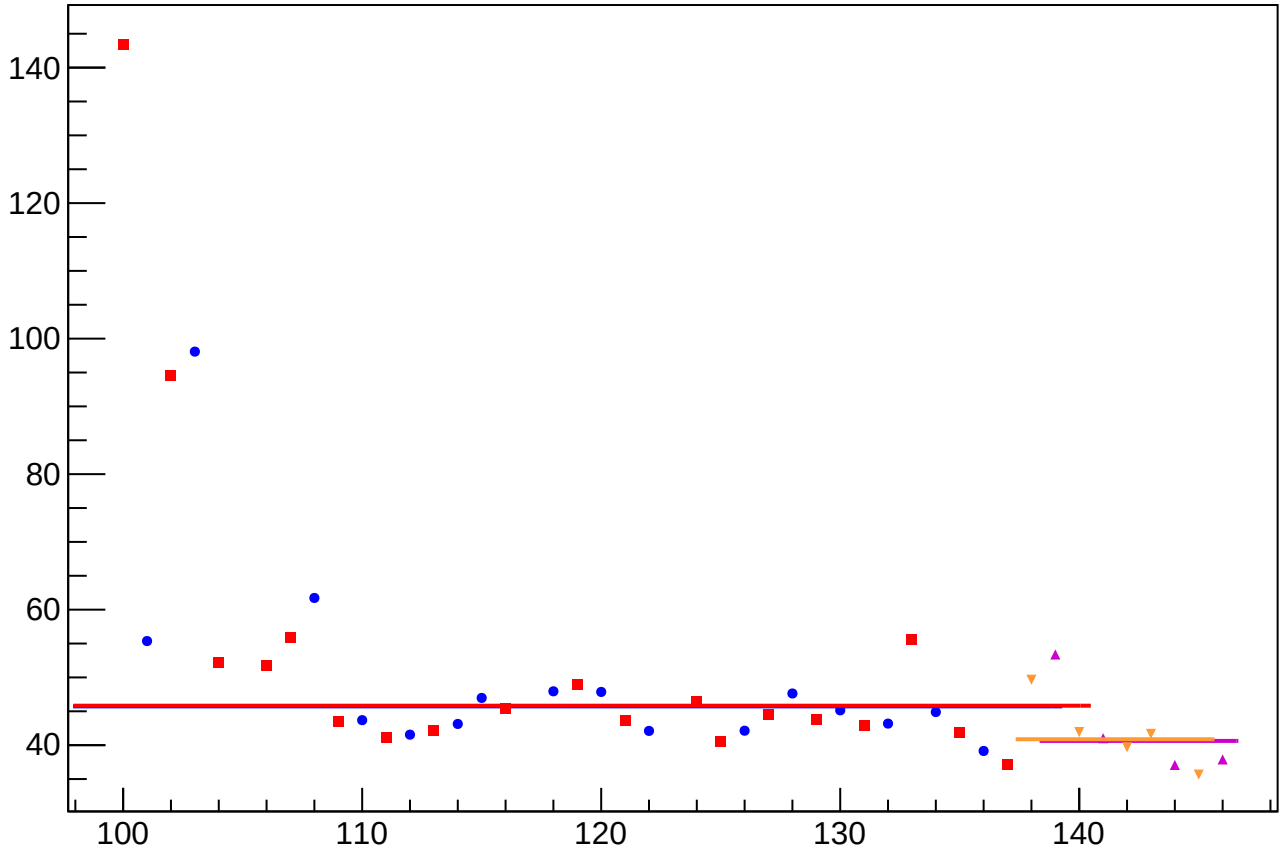
Left In: 41.147+/-21.916 χ^2/NDF:2.7/3

+ sign -12.642+/-13.575 χ^2/NDF: 25.7/20

All: -6.145+/-9.607 χ^2/NDF: 52.5/43

- sign 0.375+/-13.598 χ^2/NDF: 26.4/22

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.872+/-0.015 χ^2/NDF:84148.9/4

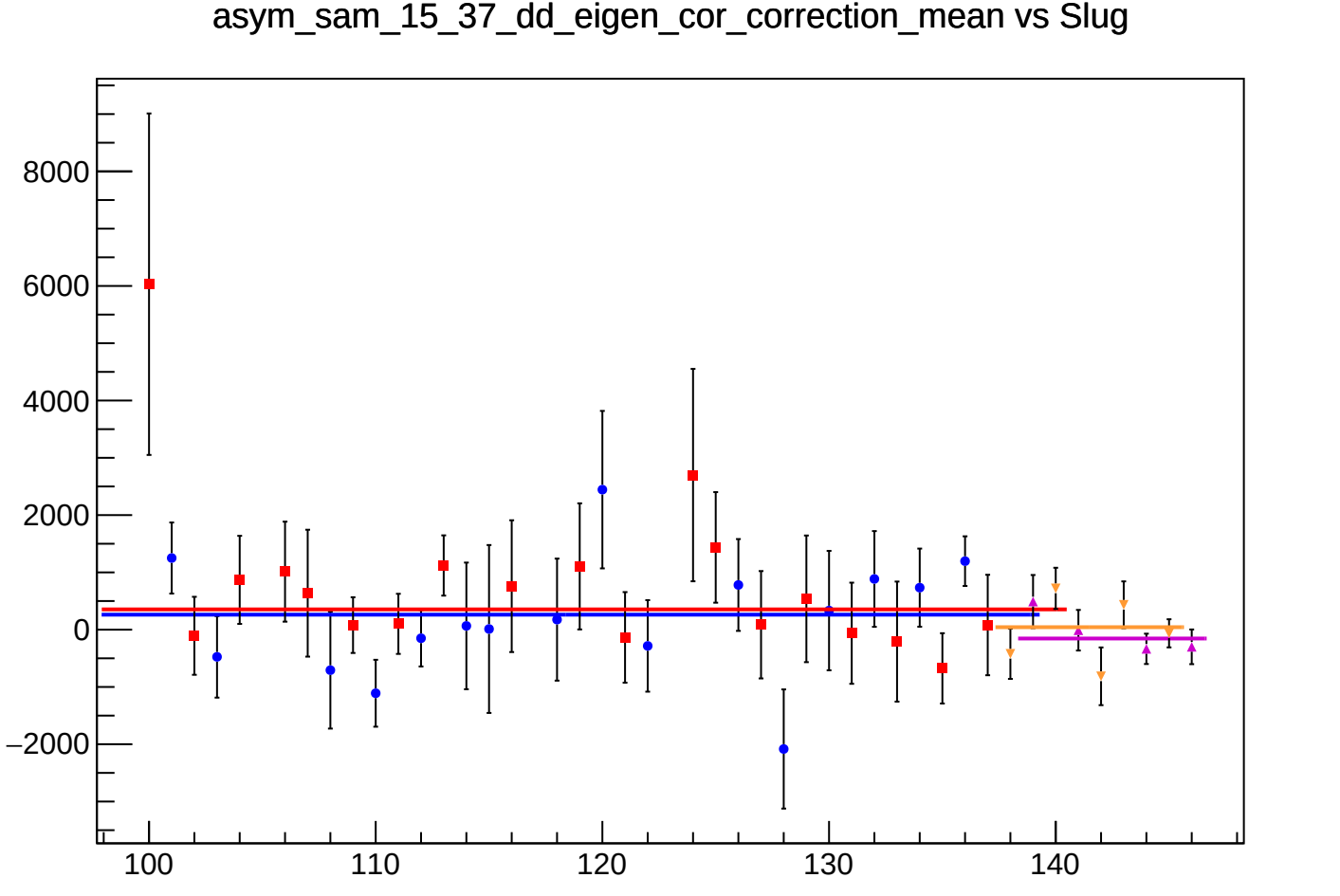
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

+ sign 43.803+/-0.010 χ^2/NDF: 646796.6/20

All: 43.814+/-0.007 χ^2/NDF: 1376430.5/43

- sign 43.825+/-0.010 χ^2/NDF: 729631.3/22



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 43.322+/-159.220 χ^2/NDF:8.7/4

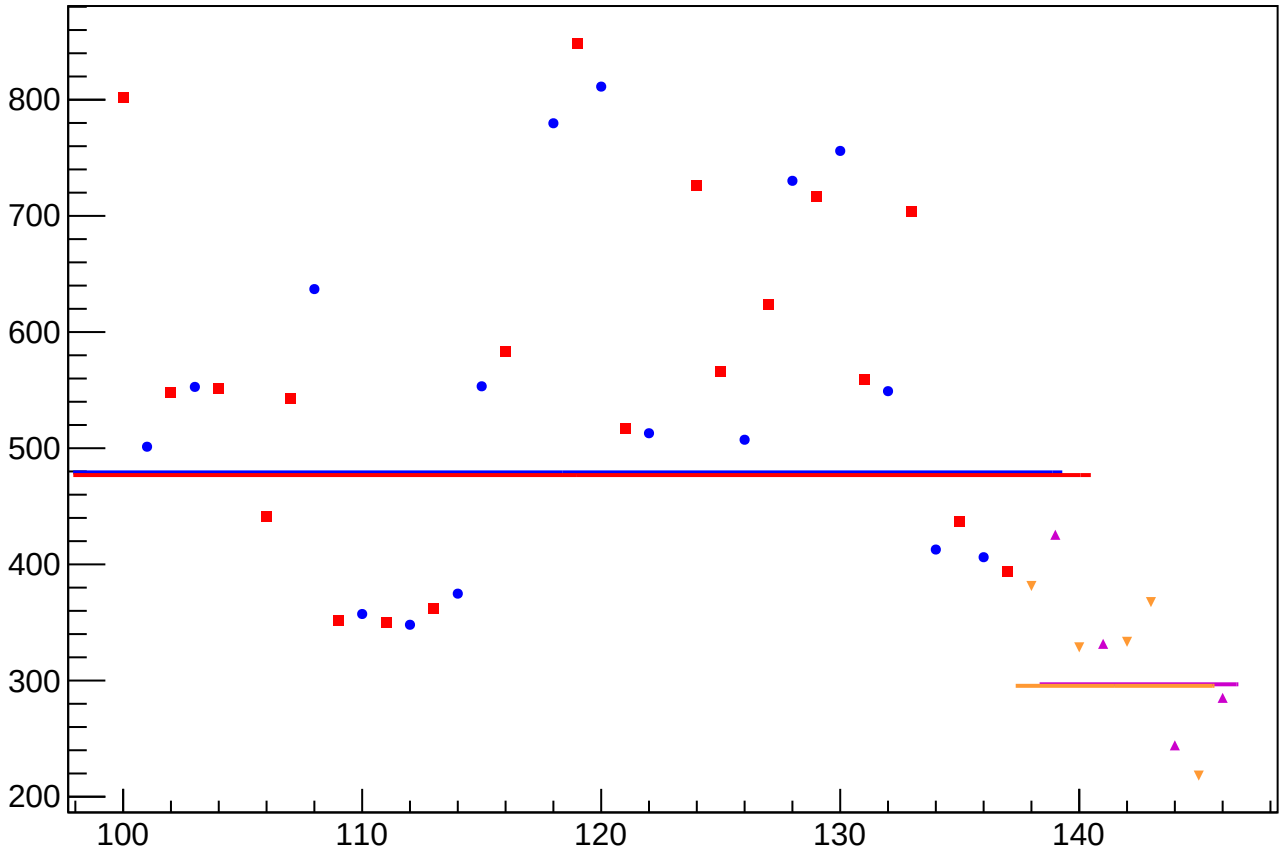
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -154.369+/-162.620 χ^2/NDF:2.8/3

+ sign 136.229+/-120.738 χ^2/NDF: 34.4/20

All: 104.018+/-85.550 χ^2/NDF: 56.9/43

- sign 71.542+/-121.236 χ^2/NDF: 22.3/22



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 295.466+/-0.113 χ^2/NDF:365495.9/4

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

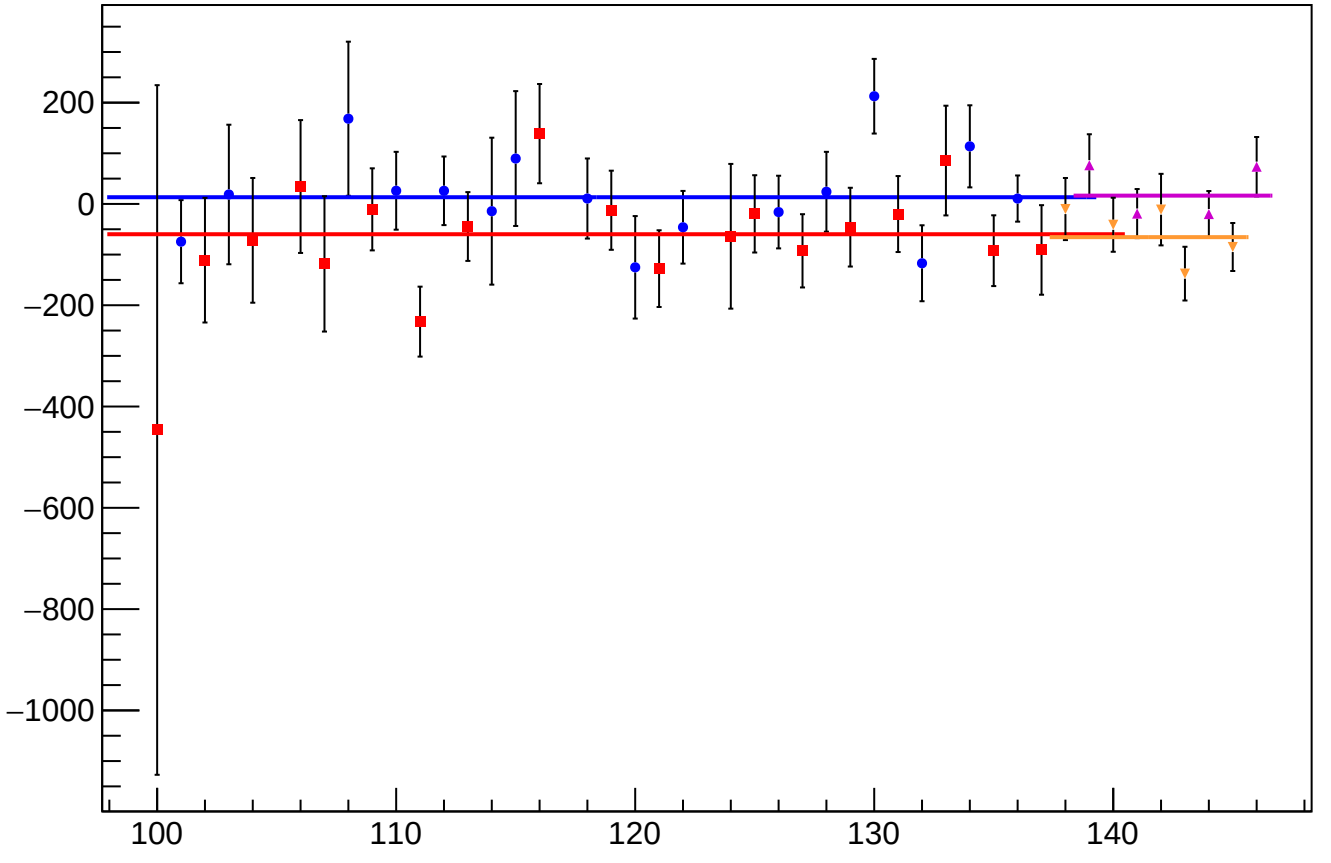
Left In: 296.768+/-0.115 χ^2/NDF:255366.5/3

+ sign 373.538+/-0.085 χ^2/NDF: 2449757.9/20

All: 375.152+/-0.060 χ^2/NDF: 4799577.4/43

- sign 376.780+/-0.086 χ^2/NDF: 2349101.3/22

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -65.568+/-24.854 χ^2/NDF:3.6/4

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

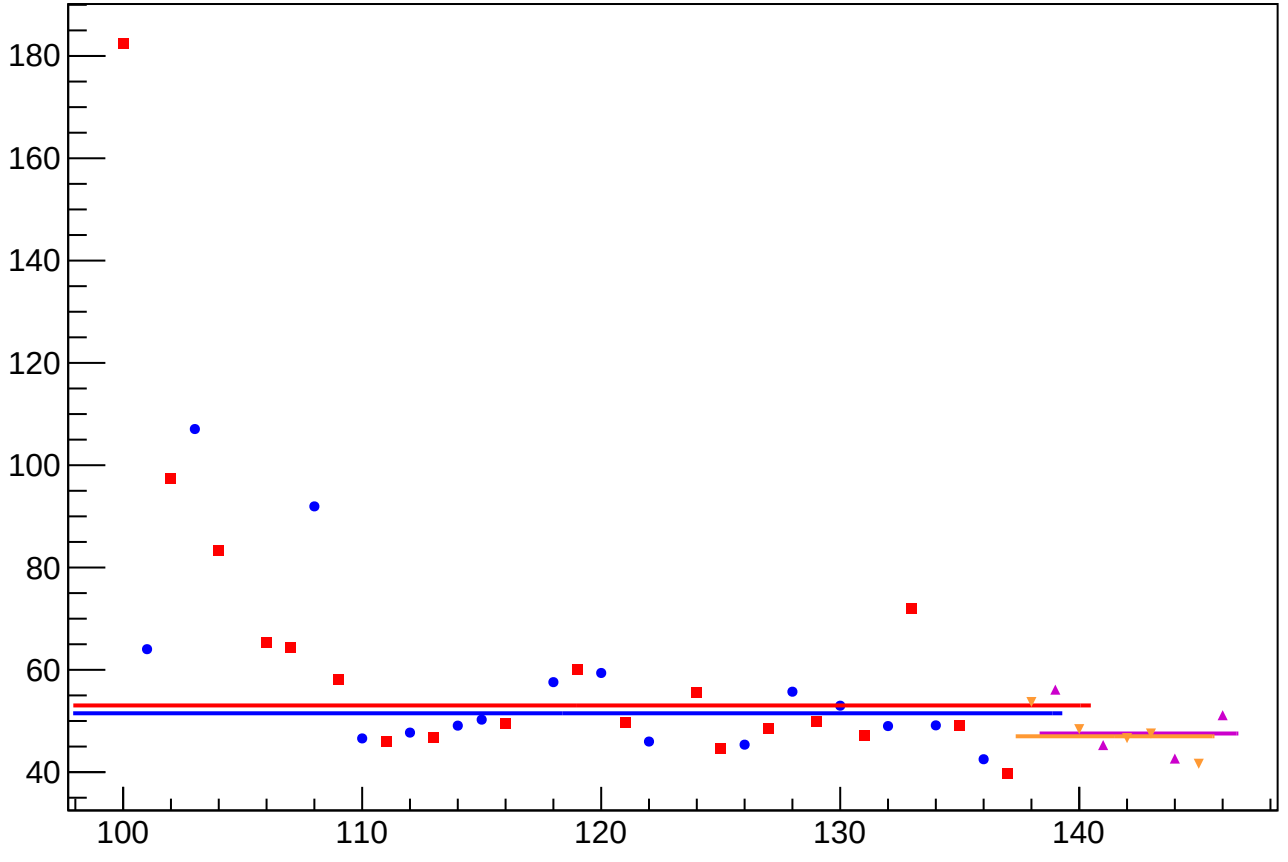
Left In: 16.399+/-26.085 χ^2/NDF:3.1/3

+ sign -17.435+/-15.510 χ^2/NDF: 27.0/20

All: -24.099+/-11.132 χ^2/NDF: 51.9/43

- sign -31.181+/-15.988 χ^2/NDF: 24.5/22

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.009+/-0.018 χ^2/NDF:51170.4/4

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

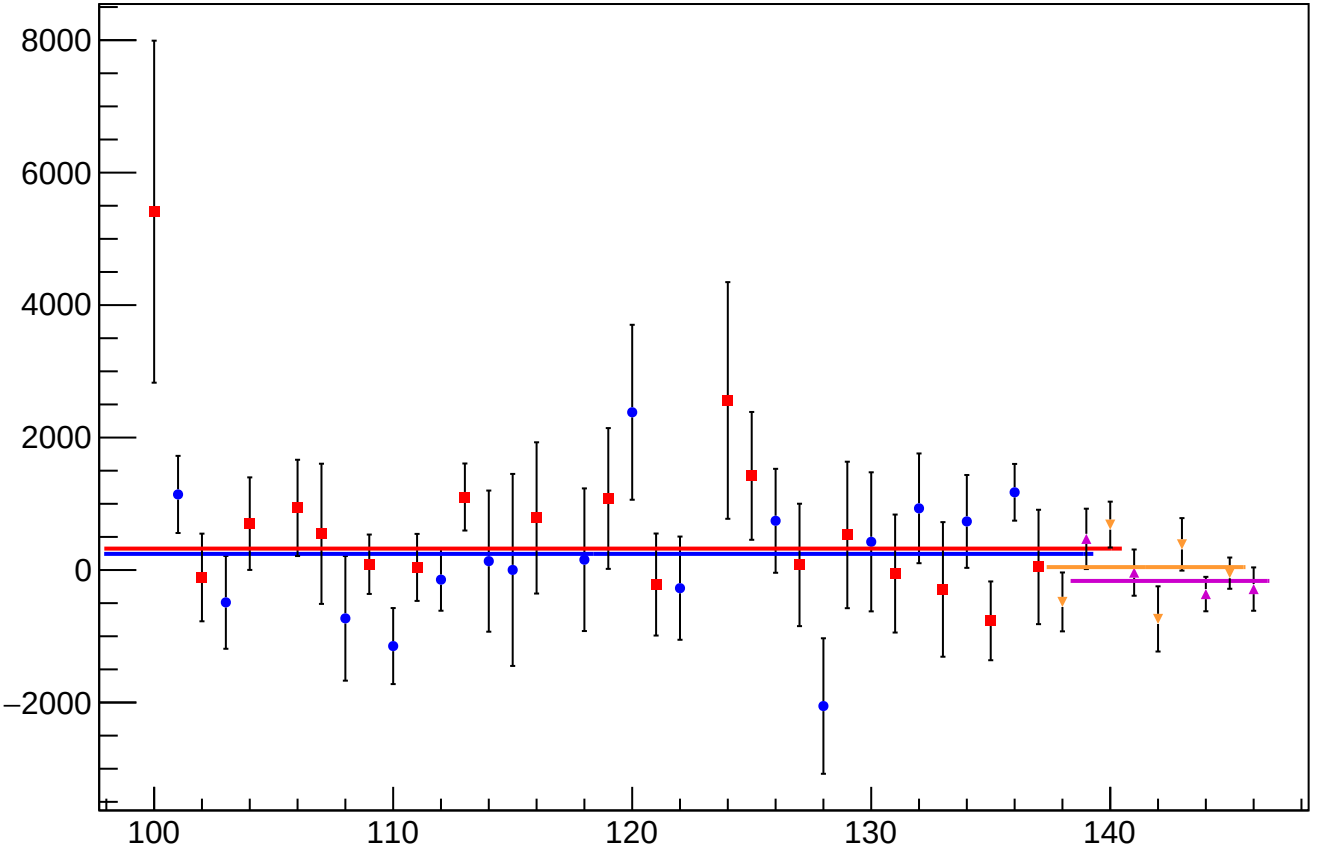
Left In: 47.554+/-0.018 χ^2/NDF:74428.0/3

+ sign 49.754+/-0.011 χ^2/NDF: 758207.3/20

All: 50.347+/-0.008 χ^2/NDF: 1606759.3/43

- sign 50.977+/-0.011 χ^2/NDF: 842522.2/22

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 44.169+/-154.578 χ^2/NDF:8.3/4

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

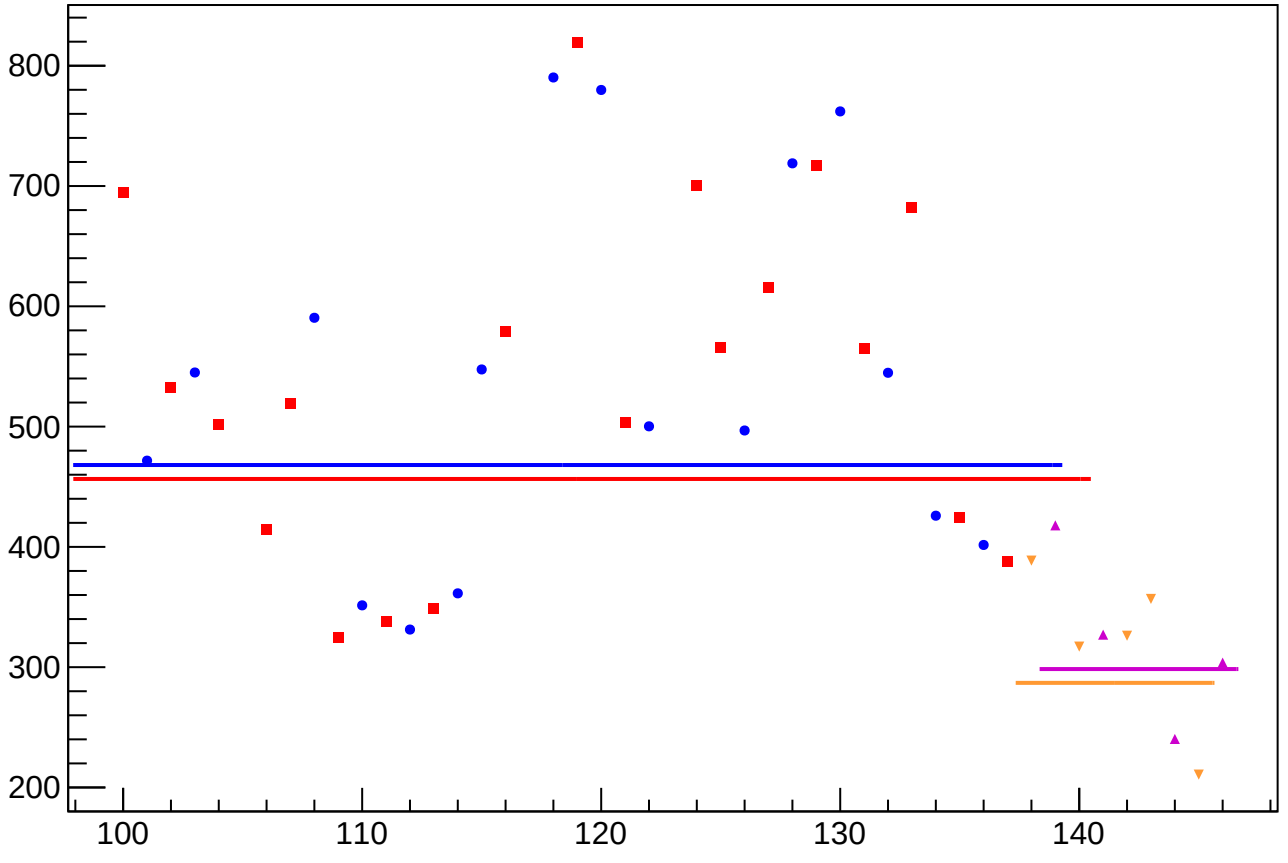
Left In: -164.479+/-164.006 χ^2/NDF:2.8/3

+ sign 128.444+/-117.511 χ^2/NDF: 34.5/20

All: 97.512+/-83.693 χ^2/NDF: 58.1/43

- sign 65.670+/-119.228 χ^2/NDF: 23.4/22

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 286.964+/-0.109 χ^2/NDF:403420.2/4

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

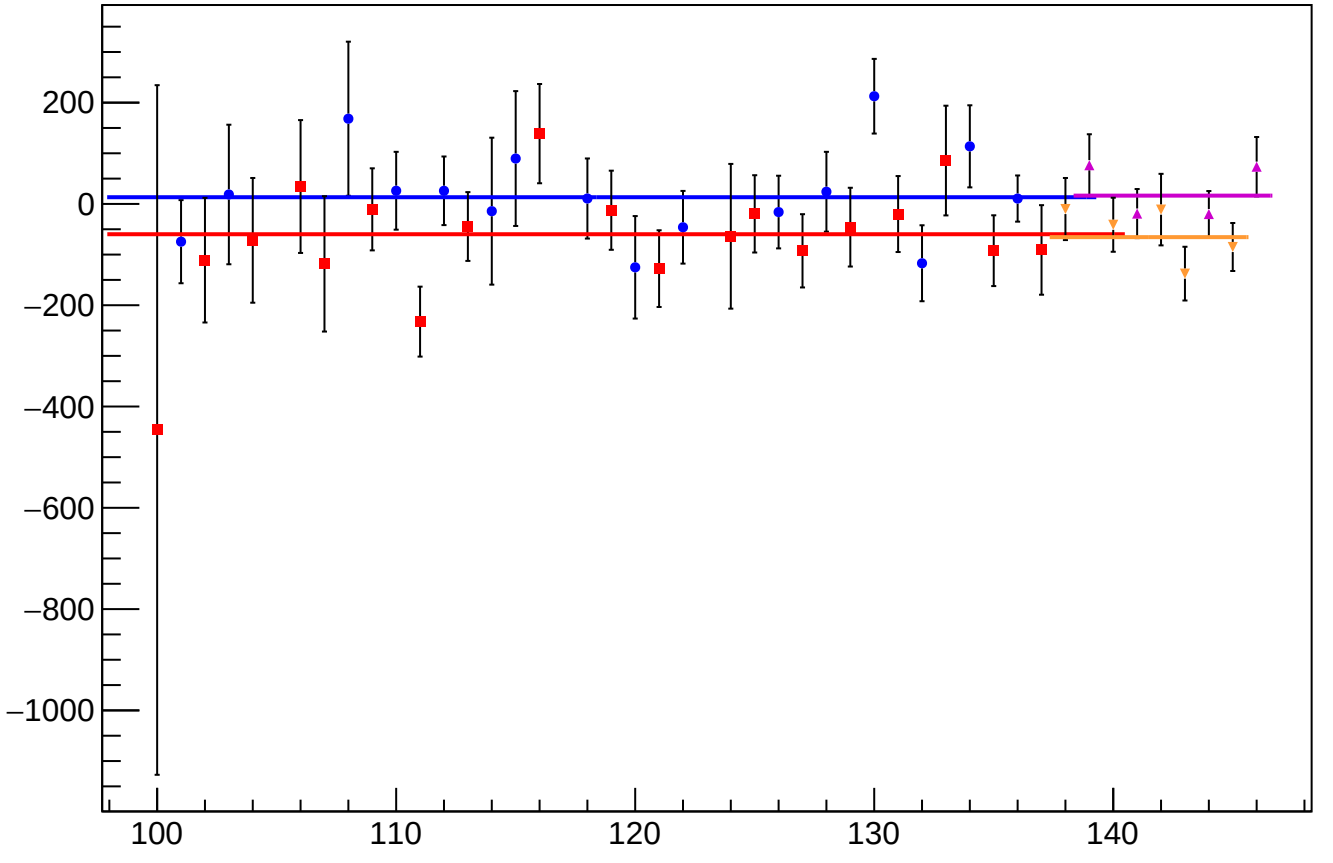
Left In: 298.439+/-0.116 χ^2/NDF:251374.3/3

+ sign 363.406+/-0.083 χ^2/NDF: 2545088.2/20

All: 368.110+/-0.059 χ^2/NDF: 4761077.6/43

- sign 372.952+/-0.084 χ^2/NDF: 2209485.7/22

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -65.568+/-24.854 χ^2/NDF:3.6/4

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

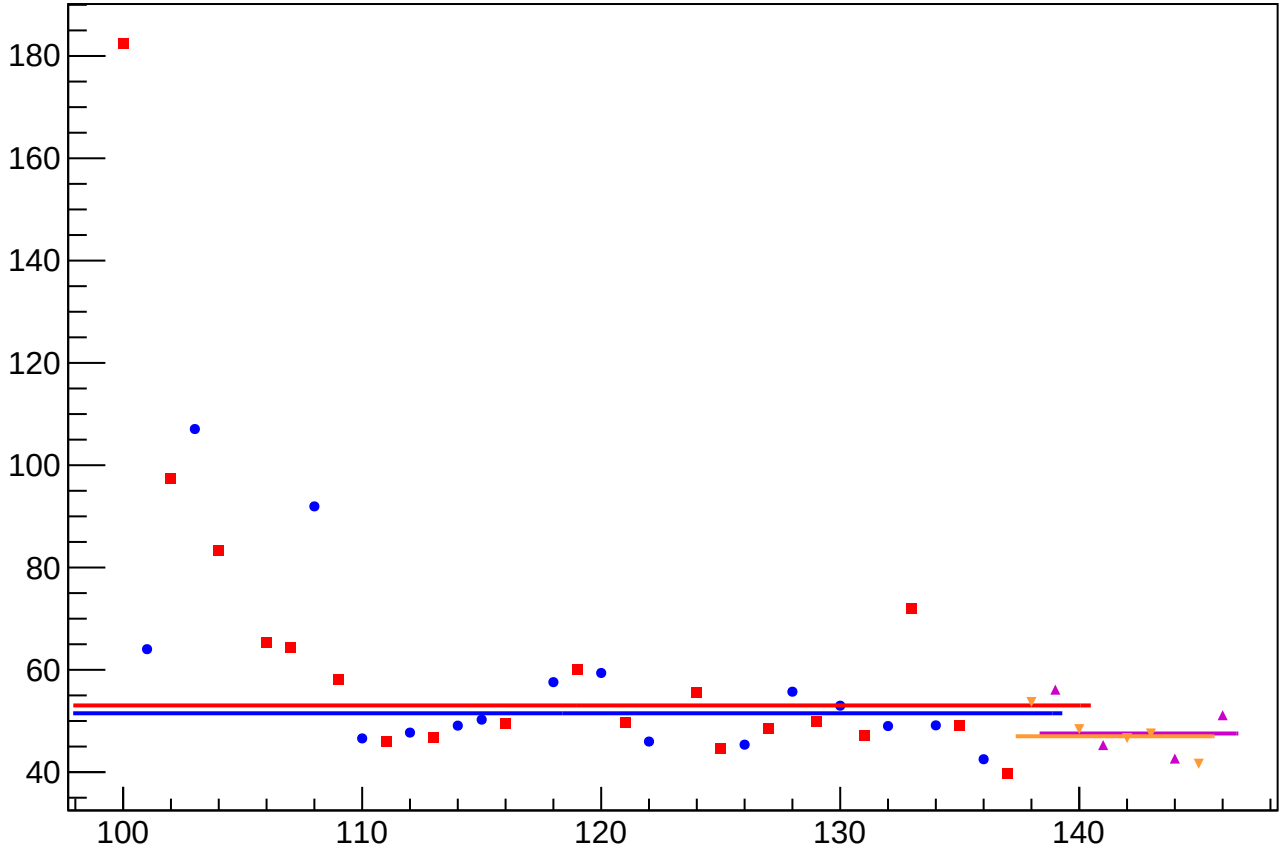
Left In: 16.399+/-26.085 χ^2/NDF:3.1/3

+ sign -17.434+/-15.510 χ^2/NDF: 27.0/20

All: -24.100+/-11.132 χ^2/NDF: 51.9/43

- sign -31.182+/-15.988 χ^2/NDF: 24.5/22

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.009+/-0.018 χ^2/NDF:51170.7/4

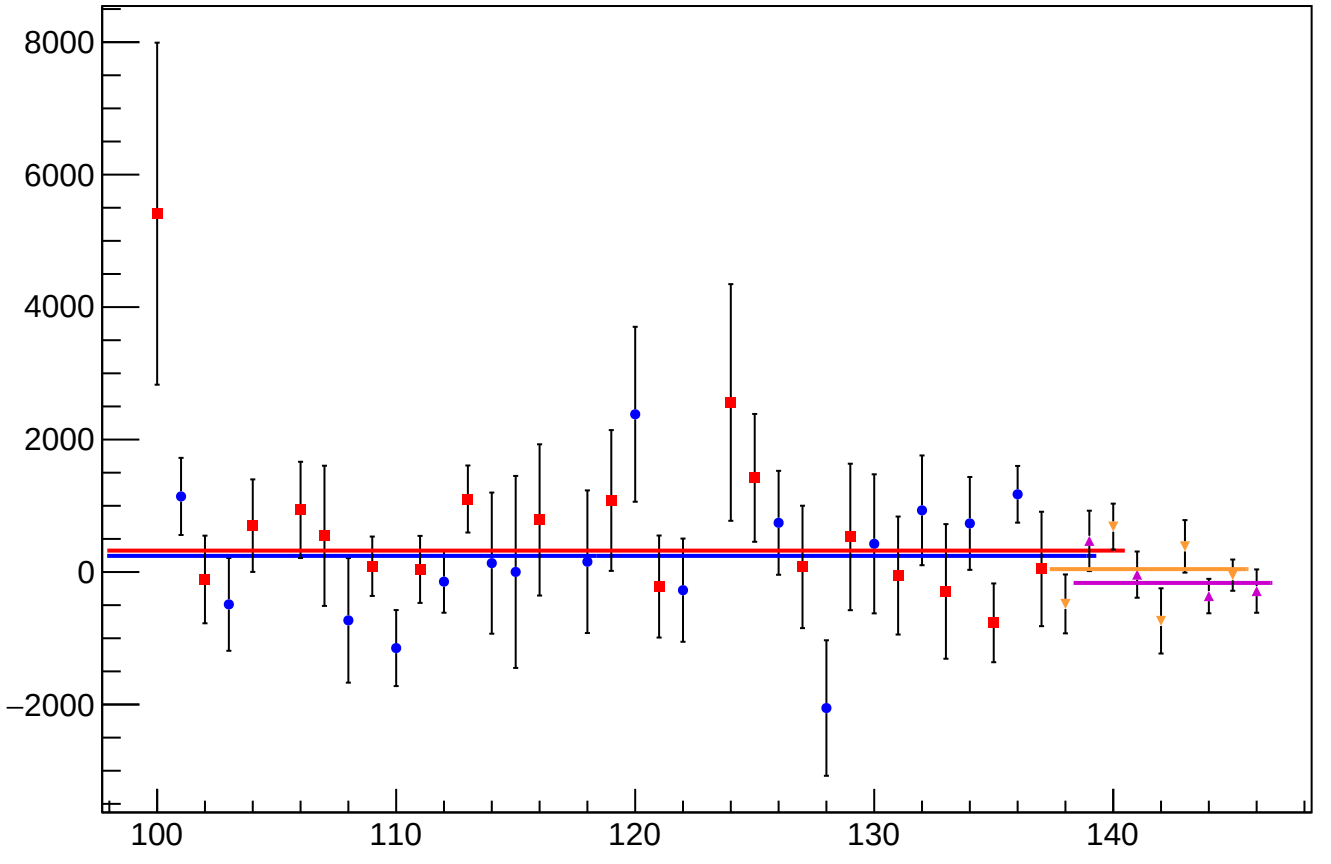
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 47.554+/-0.018 χ^2/NDF:74428.0/3

+ sign 49.754+/-0.011 χ^2/NDF: 758211.6/20

All: 50.347+/-0.008 χ^2/NDF: 1606772.9/43

- sign 50.977+/-0.011 χ^2/NDF: 842531.5/22



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 44.170+/-154.578 χ^2/NDF:8.3/4

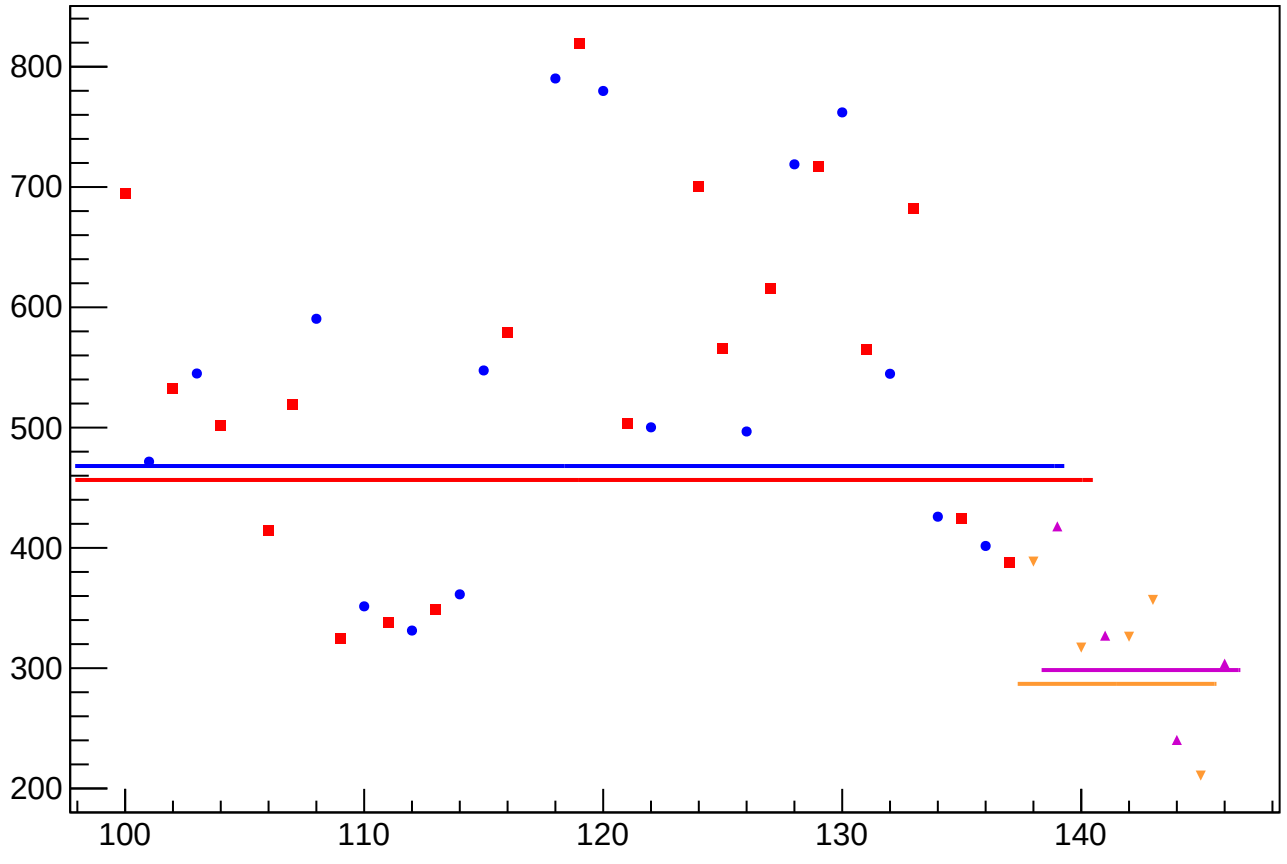
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -164.479+/-164.006 χ^2/NDF:2.8/3

+ sign 128.444+/-117.510 χ^2/NDF: 34.5/20

All: 97.513+/-83.693 χ^2/NDF: 58.1/43

- sign 65.671+/-119.227 χ^2/NDF: 23.4/22



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 286.963+/-0.109 χ^2/NDF:403422.4/4

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

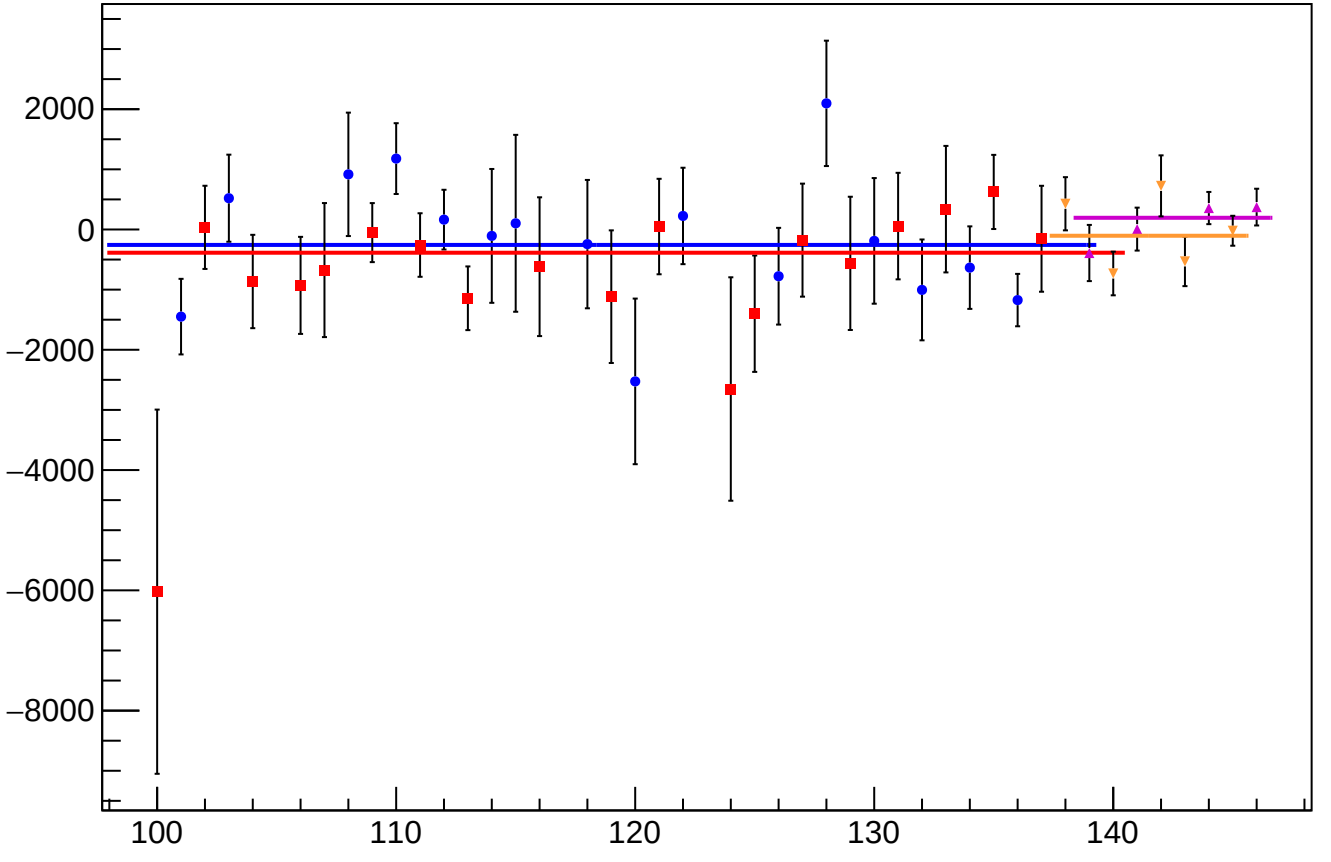
Left In: 298.439+/-0.116 χ^2/NDF:251376.2/3

+ sign 363.406+/-0.083 χ^2/NDF: 2545084.6/20

All: 368.110+/-0.059 χ^2/NDF: 4761063.5/43

- sign 372.952+/-0.084 χ^2/NDF: 2209474.9/22

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -104.167+/-160.825 χ^2/NDF:8.3/4

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

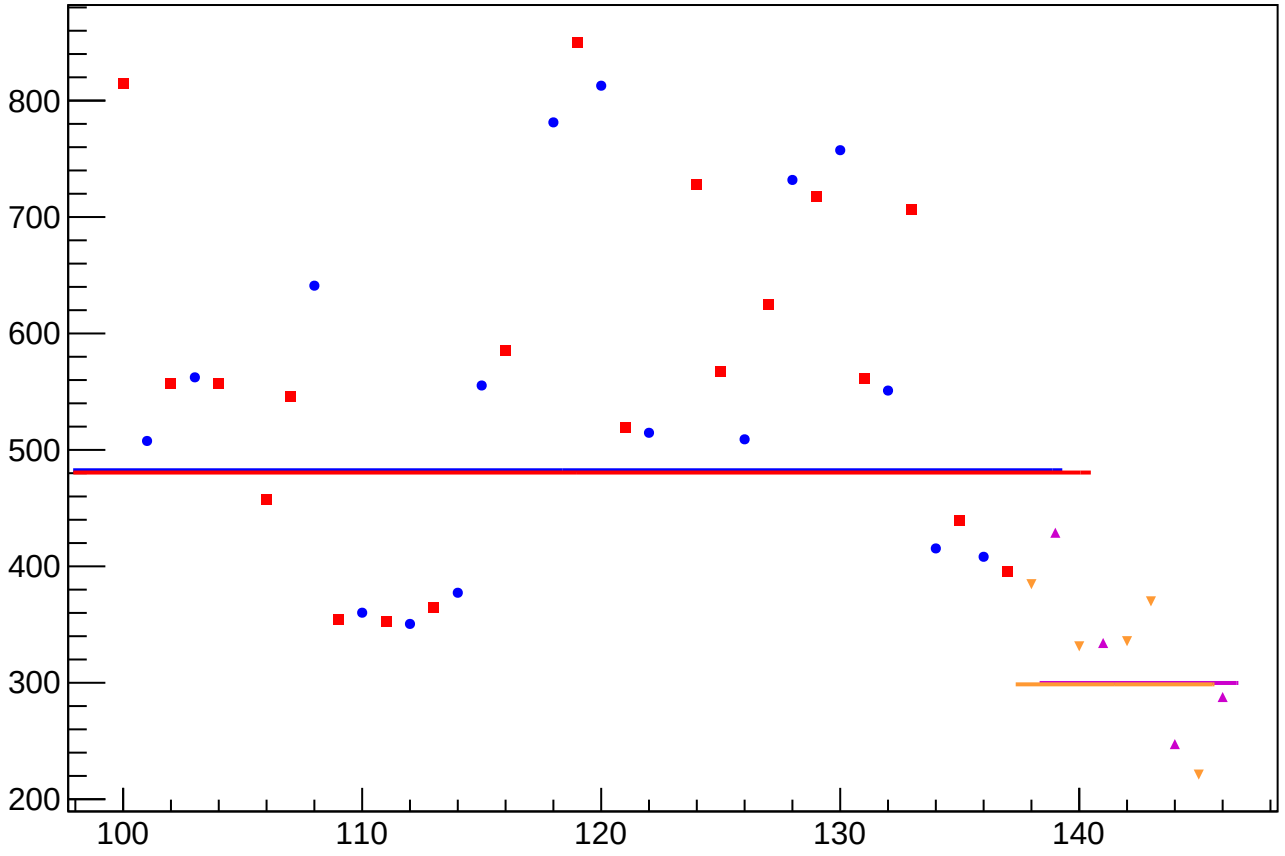
Left In: 194.473+/-164.213 χ^2/NDF:2.6/3

\+ sign -169.255+/-121.784 χ^2/NDF: 35.6/20

All: -117.557+/-86.201 χ^2/NDF: 58.4/43

\- sign -65.649+/-122.030 χ^2/NDF: 22.4/22

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 298.652+/-0.114 χ^2/NDF:356684.1/4

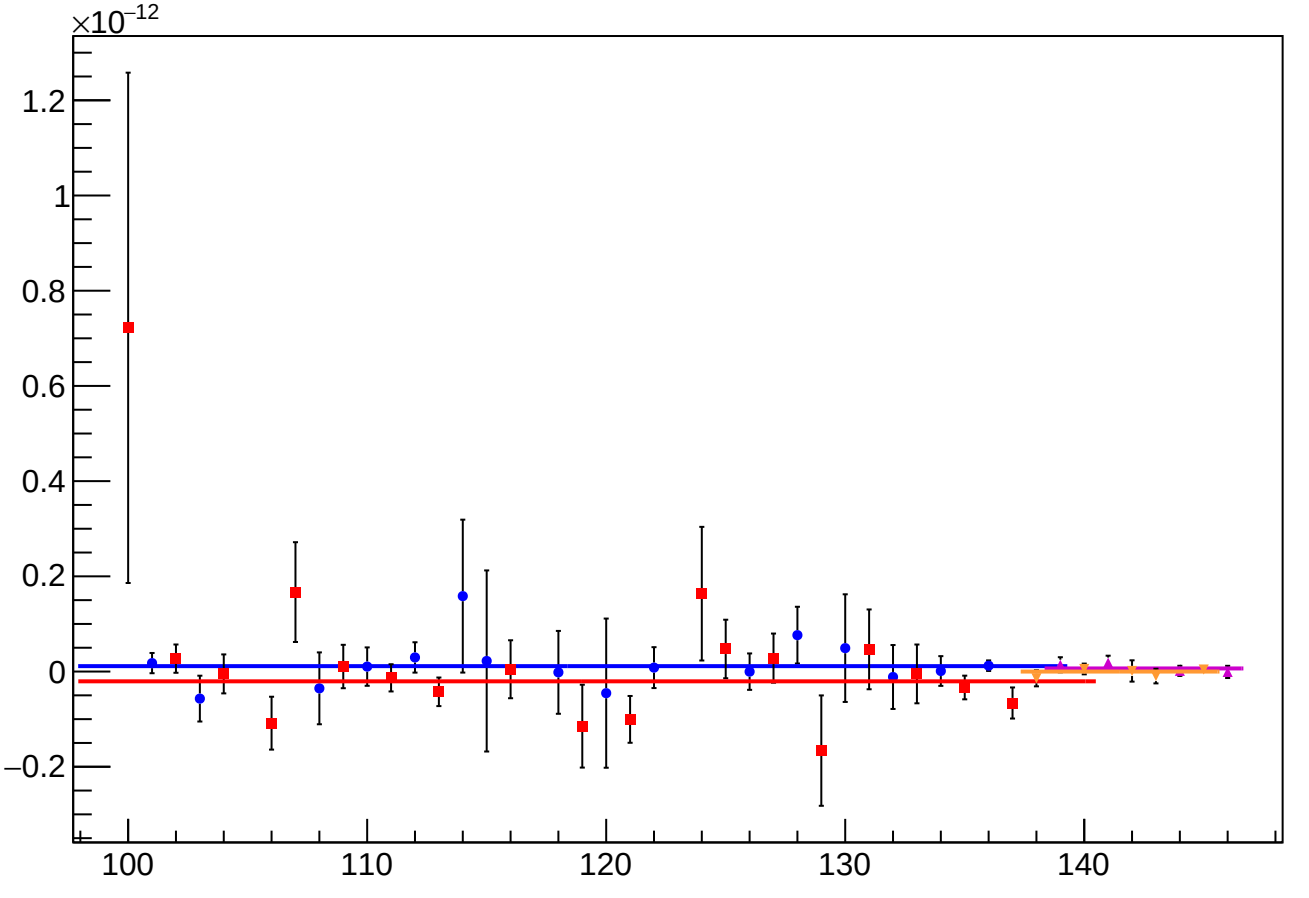
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 299.834+/-0.116 χ^2/NDF:251025.8/3

+ sign 377.083+/-0.086 χ^2/NDF: 2418272.2/20

All: 378.917+/-0.061 χ^2/NDF: 4748711.1/43

- sign 380.758+/-0.086 χ^2/NDF: 2329530.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

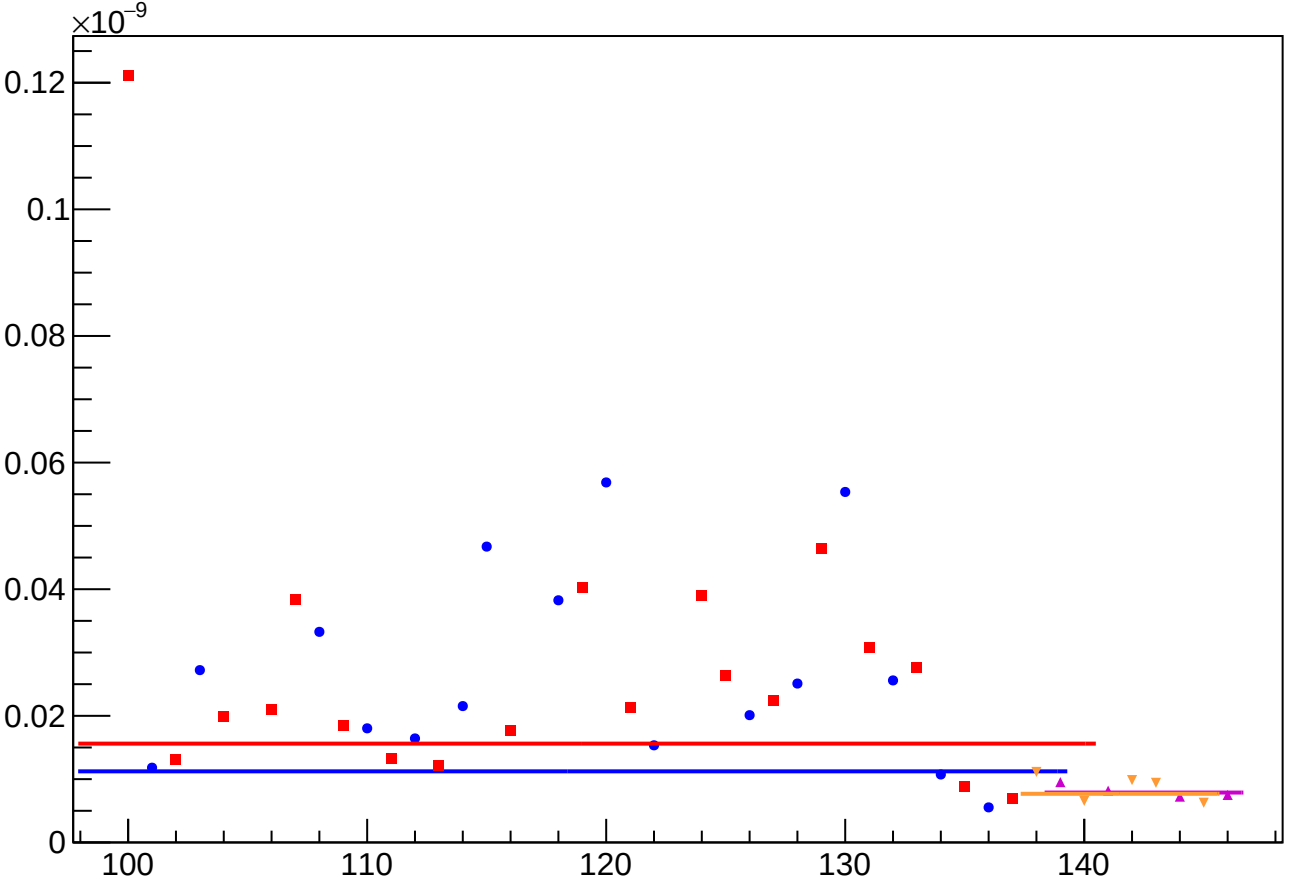
Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 8.2/20

All: 0.000+/-0.000 χ^2/NDF: 39.0/43

- sign -0.000+/-0.000 χ^2/NDF: 30.2/22

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:189441.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

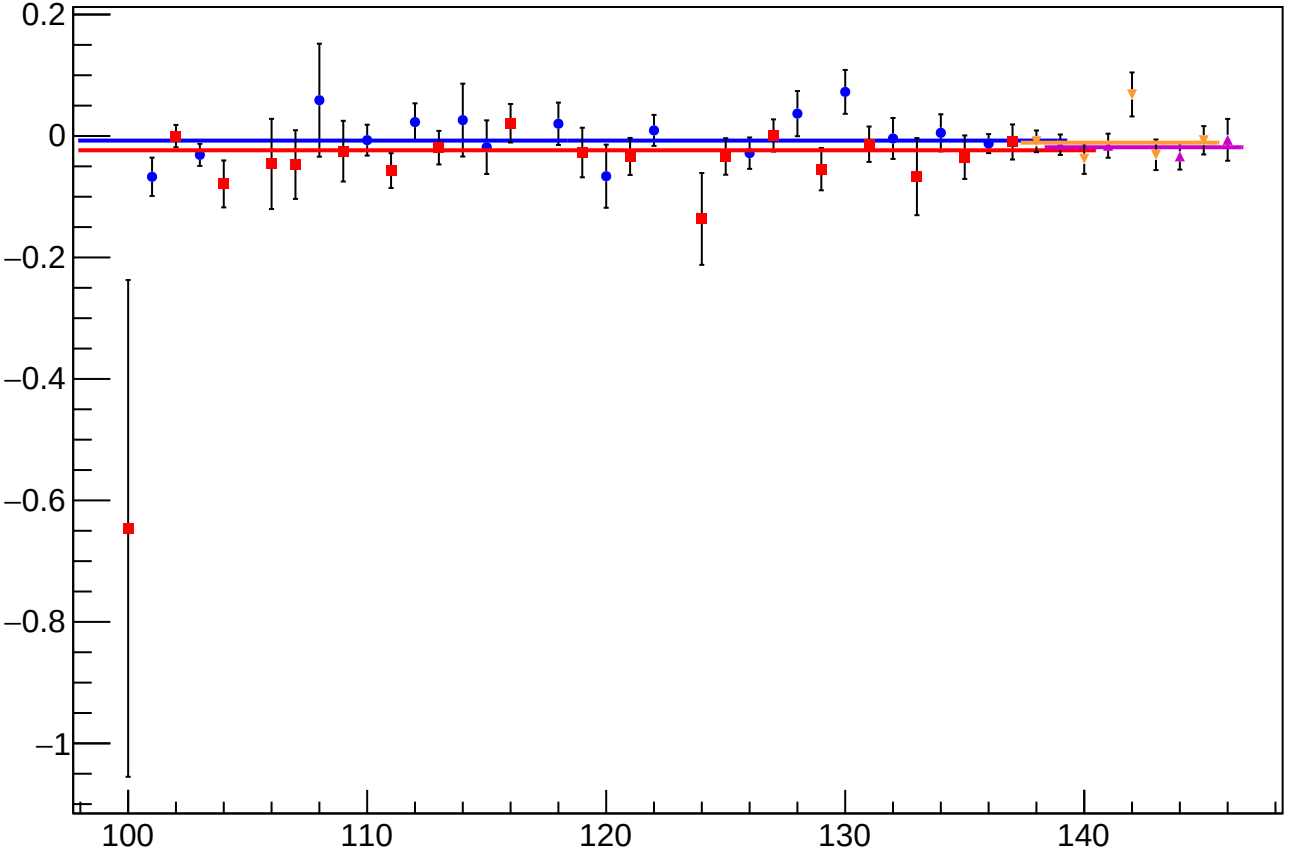
Left In: 0.000+/-0.000 χ^2/NDF:31521.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 2545649.3/20

All: 0.000+/-0.000 χ^2/NDF: 4620797.6/43

- sign 0.000+/-0.000 χ^2/NDF: 2025478.6/22

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.011 χ^2/NDF:6.6/4

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

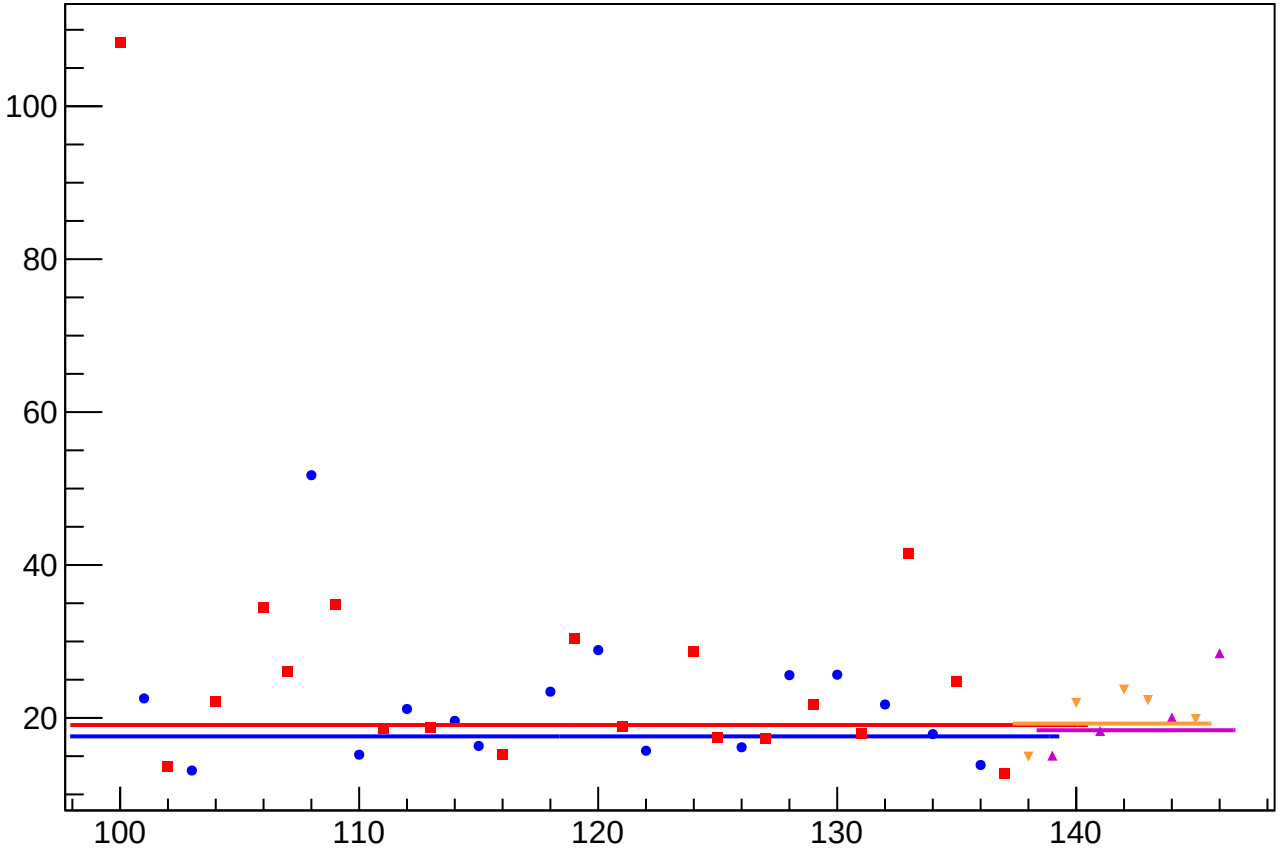
Left In: -0.019+/-0.011 χ^2/NDF:0.7/3

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/20

All: -0.015+/-0.004 χ^2/NDF: 41.2/43

- sign -0.022+/-0.006 χ^2/NDF: 15.5/22

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: 19.267+/-0.007 χ^2/NDF:202273.2/4

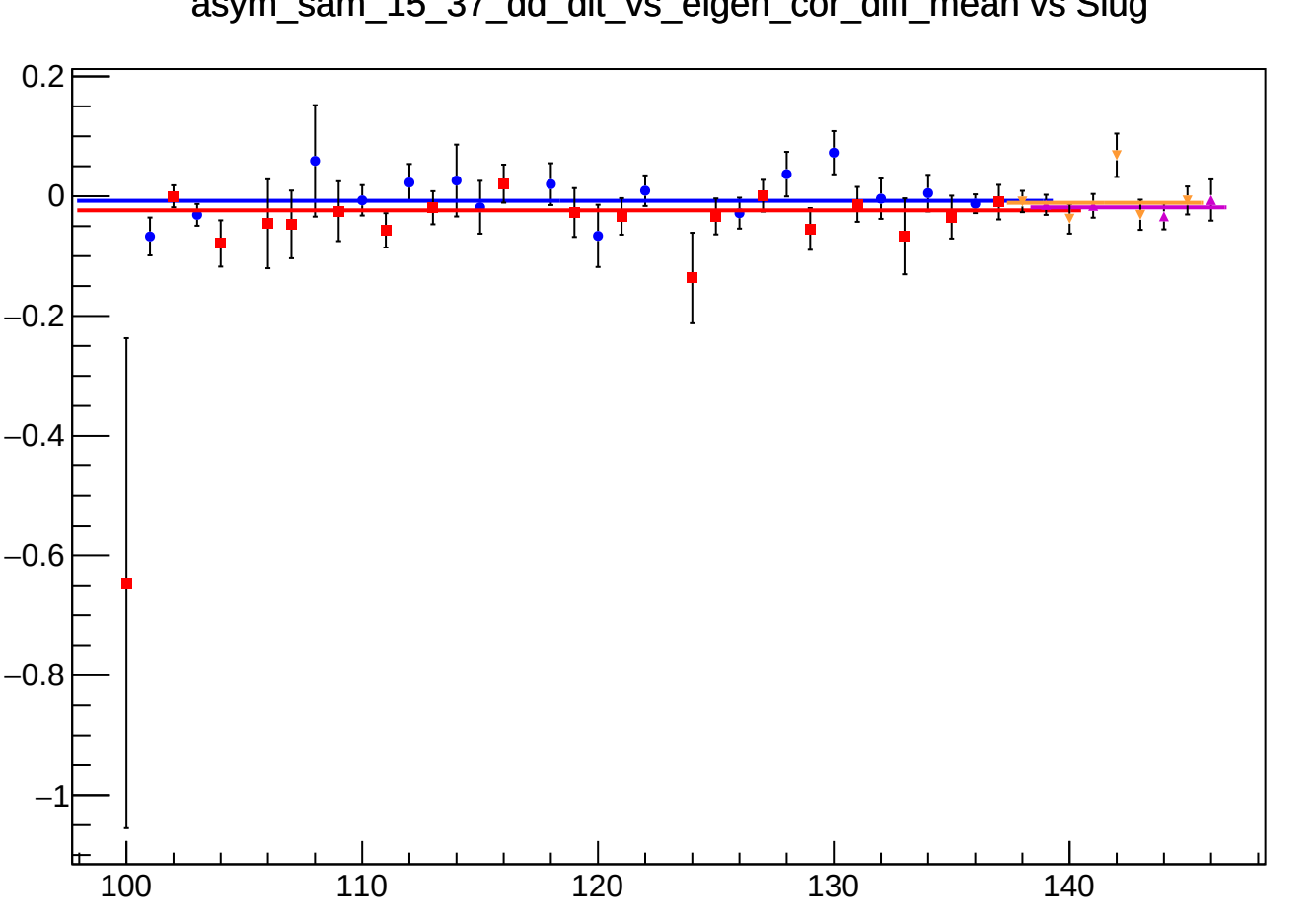
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 18.394+/-0.007 χ^2/NDF:261257.5/3

+ sign 18.121+/-0.004 χ^2/NDF: 1229783.0/20

All: 18.461+/-0.003 χ^2/NDF: 2758062.3/43

- sign 18.833+/-0.004 χ^2/NDF: 1514635.4/22



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.011 χ^2/NDF:6.6/4

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

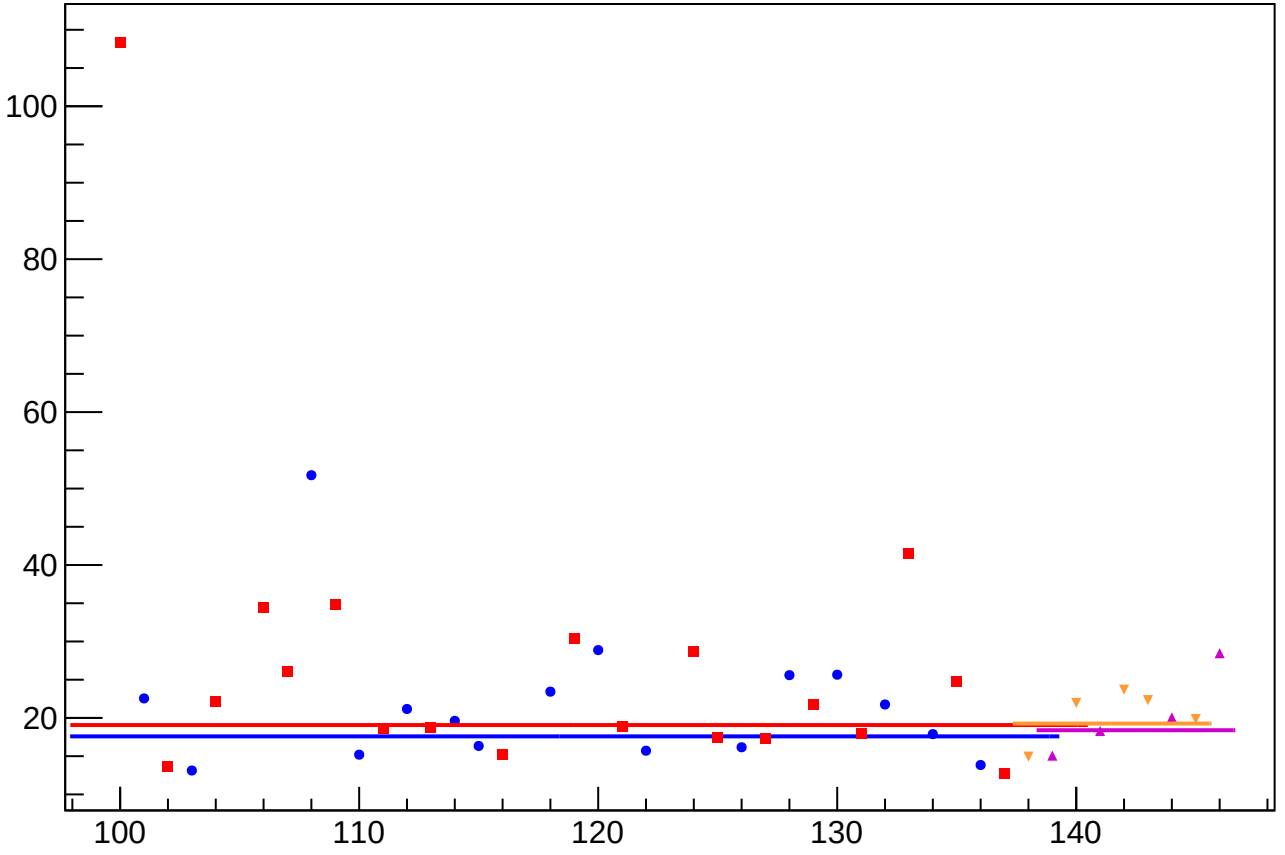
Left In: -0.019+/-0.011 χ^2/NDF:0.7/3

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/20

All: -0.015+/-0.004 χ^2/NDF: 41.2/43

- sign -0.022+/-0.006 χ^2/NDF: 15.5/22

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.267+/-0.007 χ^2/NDF:202273.2/4

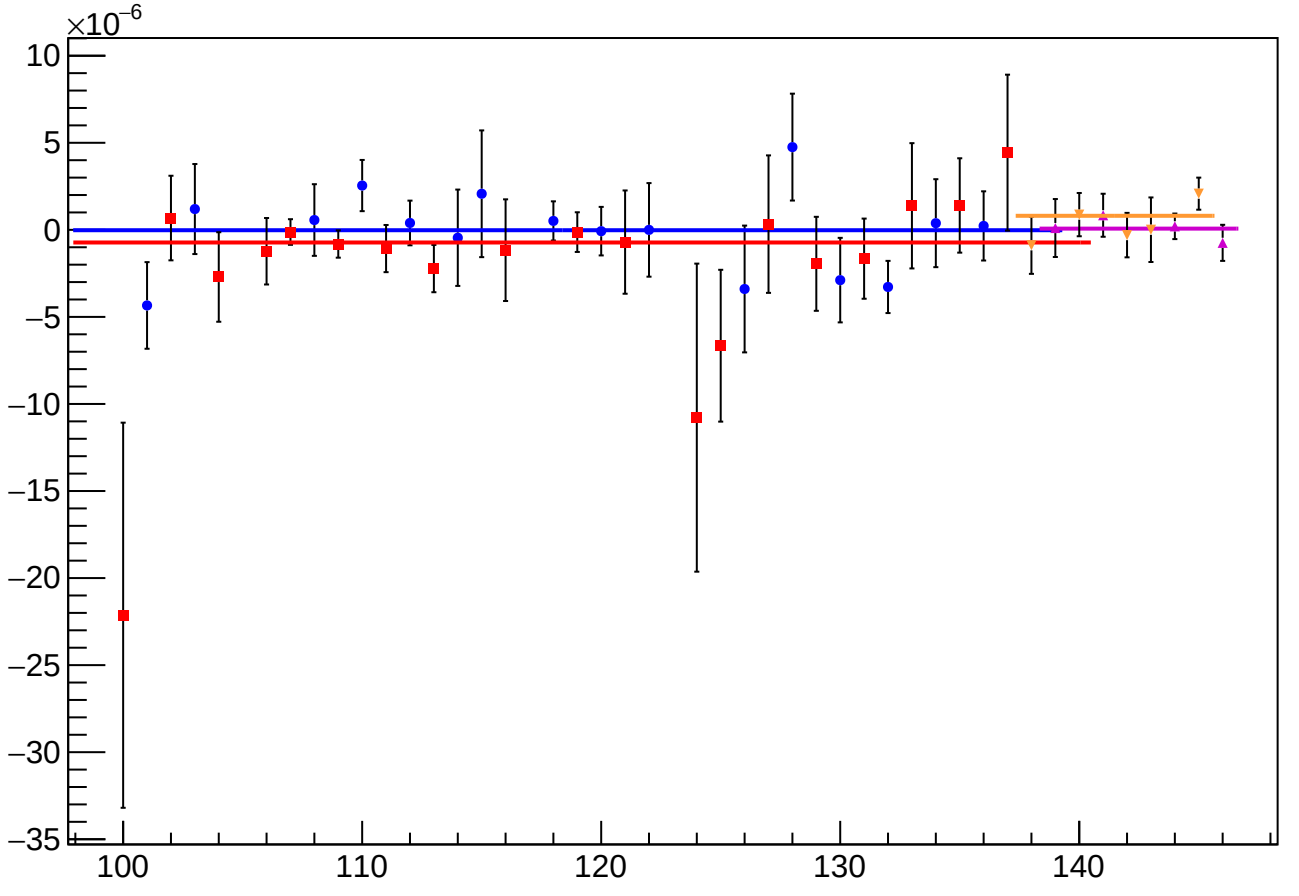
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 18.394+/-0.007 χ^2/NDF:261257.5/3

+ sign 18.121+/-0.004 χ^2/NDF: 1229783.0/20

All: 18.461+/-0.003 χ^2/NDF: 2758062.3/43

- sign 18.833+/-0.004 χ^2/NDF: 1514635.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/4

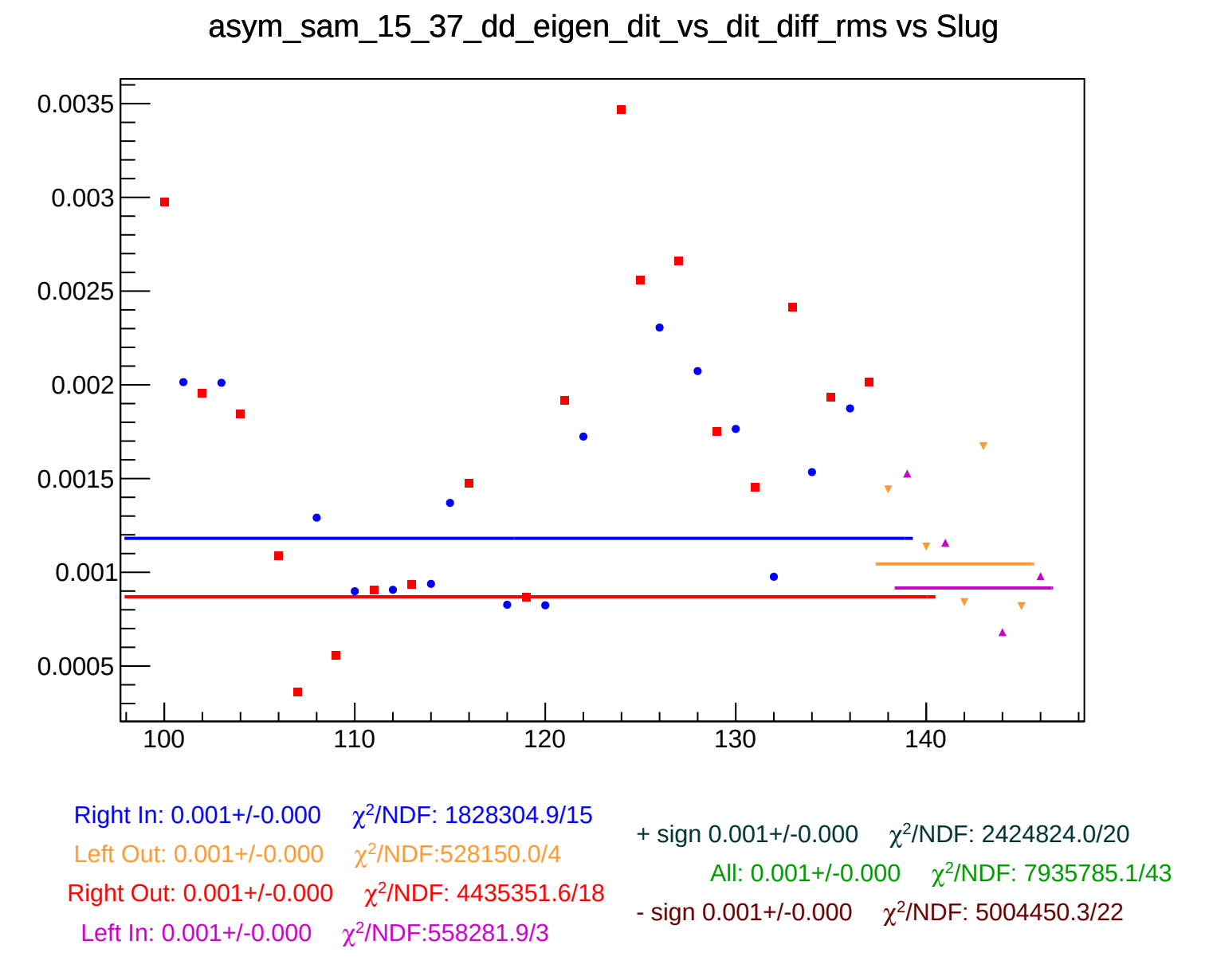
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

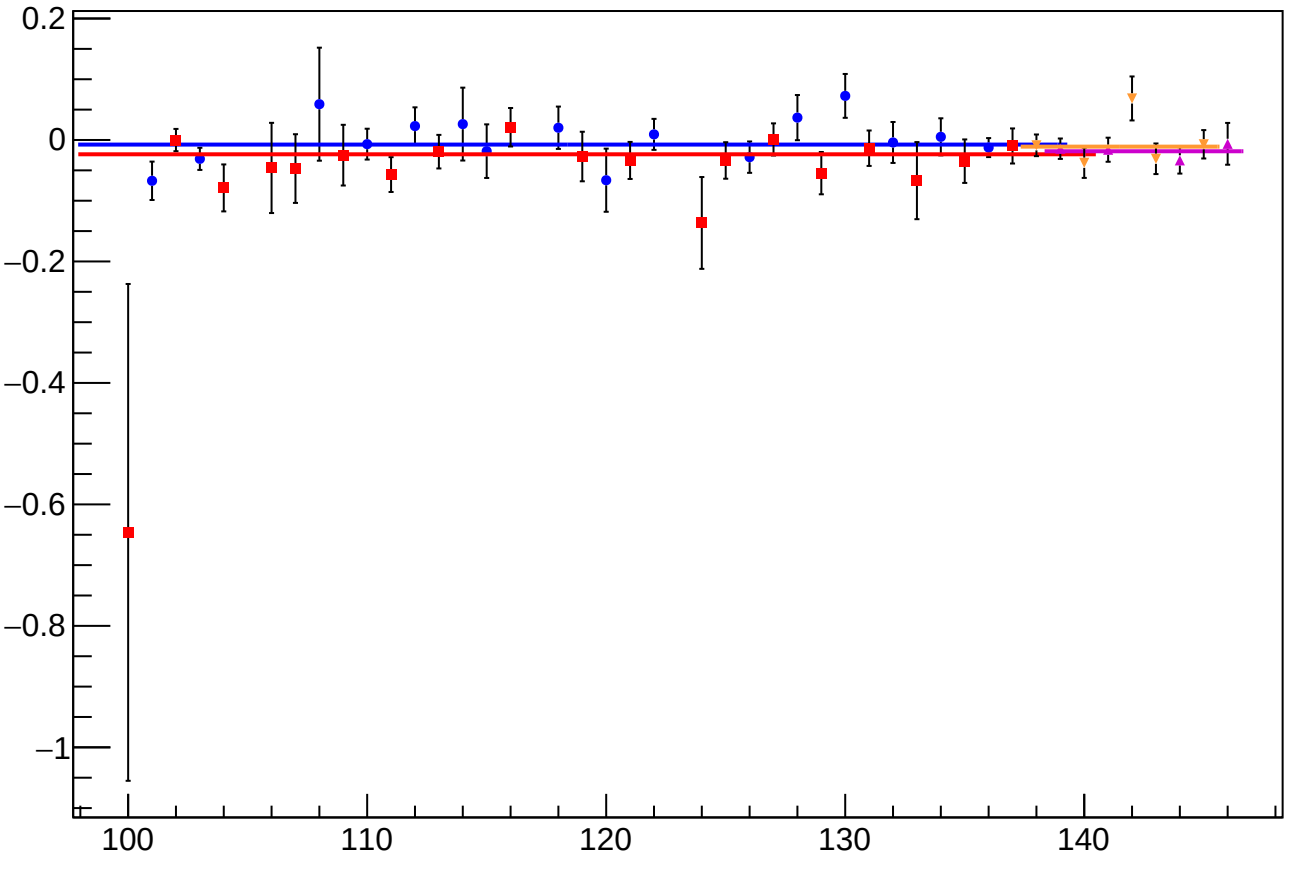
Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/20

All: -0.000+/-0.000 χ^2/NDF: 39.7/43

- sign -0.000+/-0.000 χ^2/NDF: 15.5/22


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
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:528150.0/4
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:558281.9/3
+ sign 0.001+/-0.000 χ²/NDF: 2424824.0/20
All: 0.001+/-0.000 χ²/NDF: 7935785.1/43
- sign 0.001+/-0.000 χ²/NDF: 5004450.3/22



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.011 χ^2/NDF:6.6/4

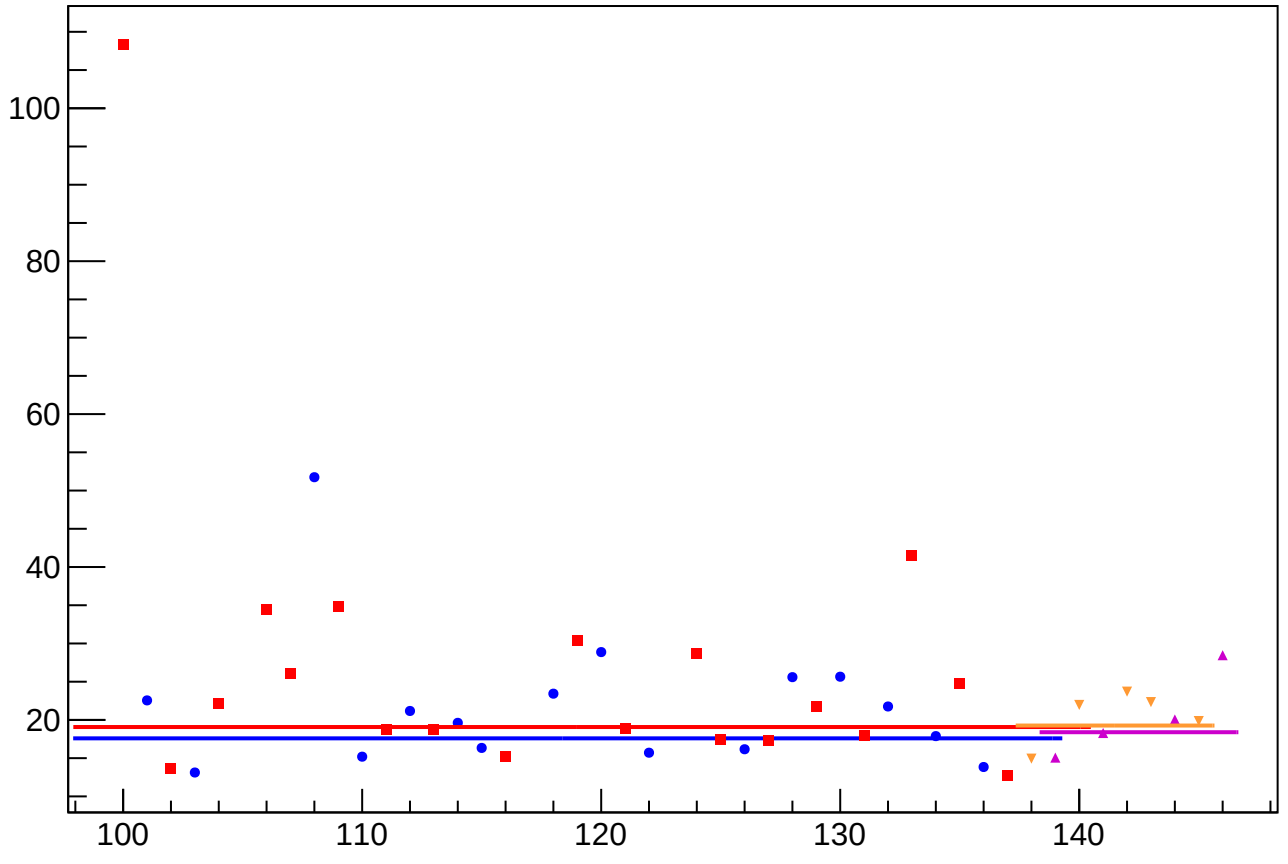
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.019+/-0.011 χ^2/NDF:0.7/3

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/20

All: -0.015+/-0.004 χ^2/NDF: 41.2/43

- sign -0.022+/-0.006 χ^2/NDF: 15.5/22



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 19.267+/-0.007 χ^2/NDF:202275.3/4

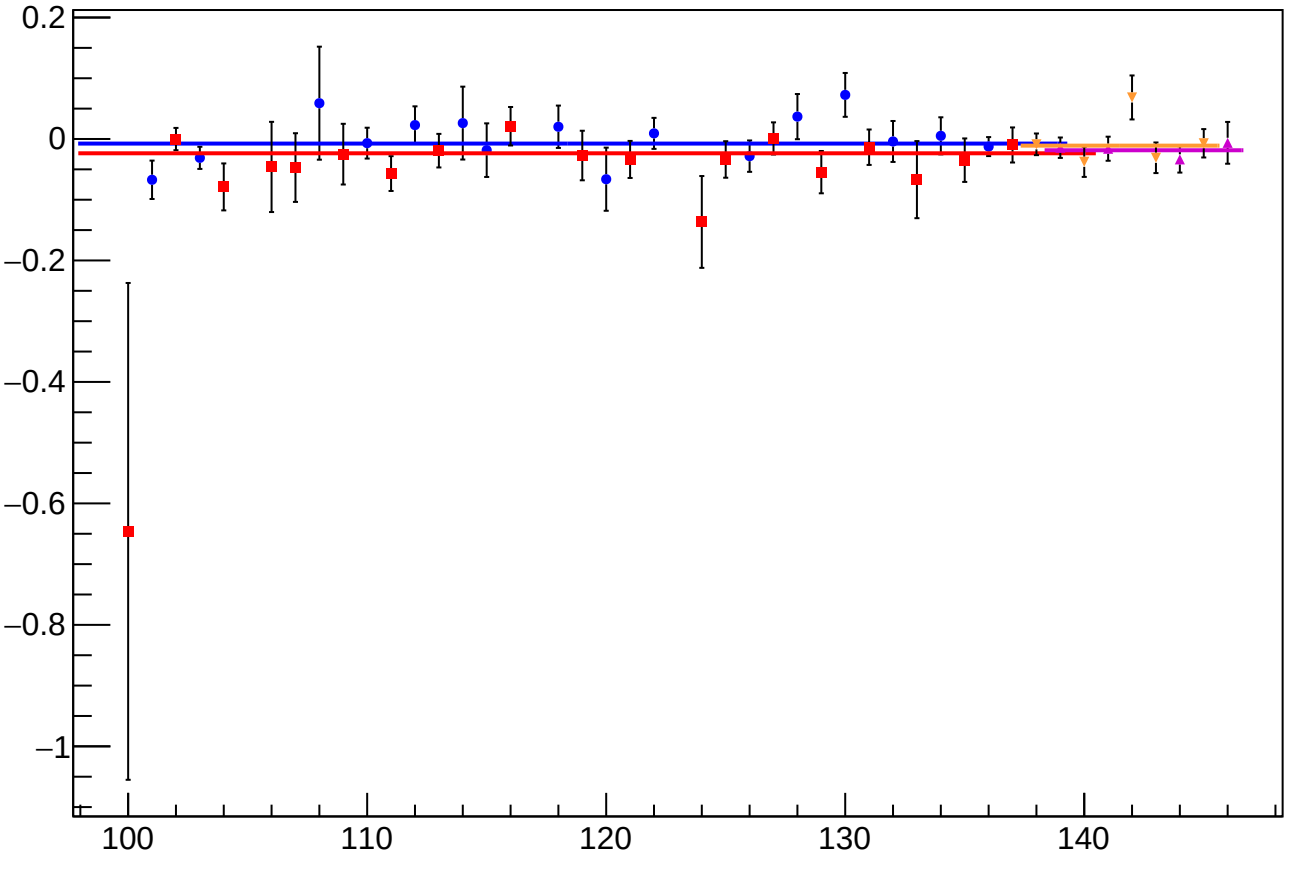
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 18.394+/-0.007 χ^2/NDF:261245.8/3

+ sign 18.122+/-0.004 χ^2/NDF: 1229827.6/20

All: 18.461+/-0.003 χ^2/NDF: 2758026.8/43

- sign 18.834+/-0.004 χ^2/NDF: 1514546.6/22



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.011 χ^2/NDF:6.6/4

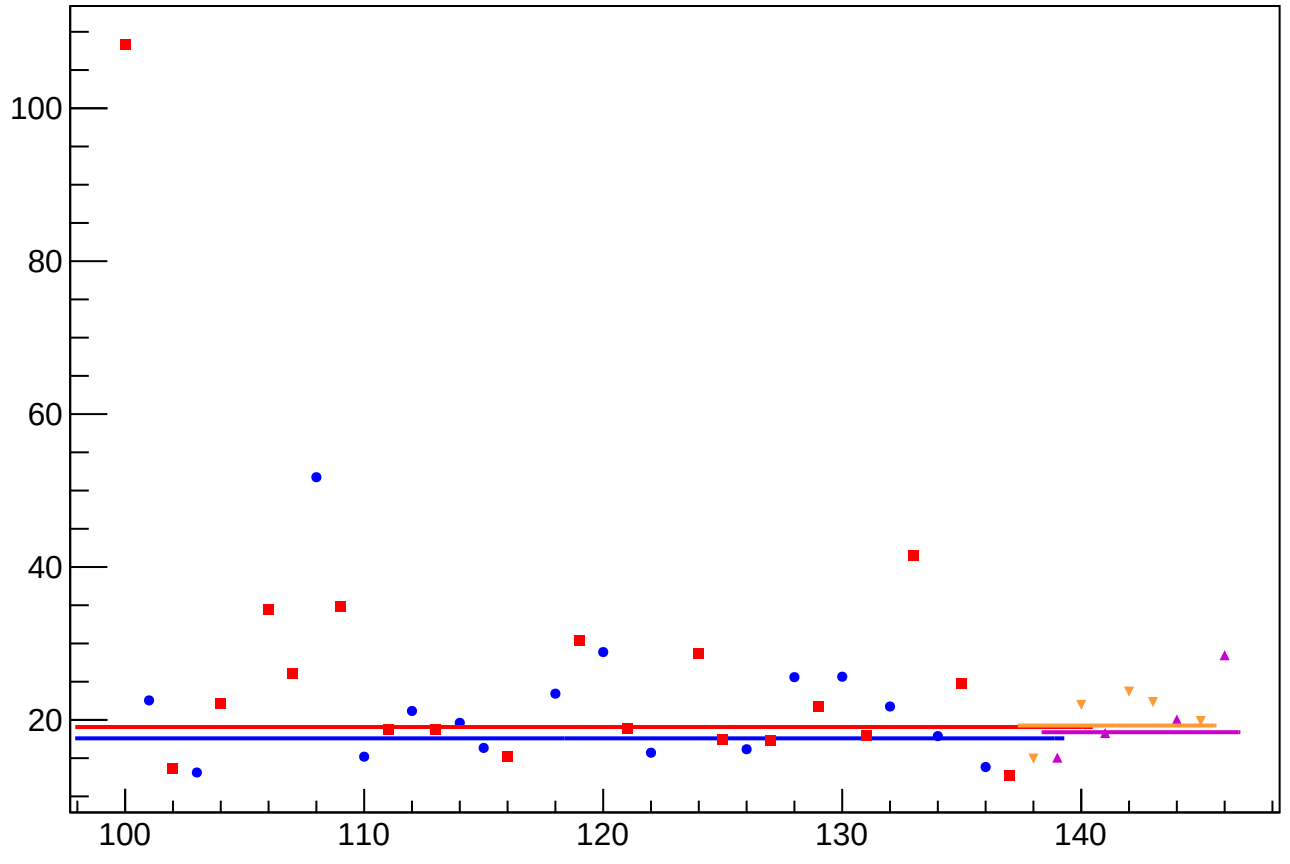
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.019+/-0.011 χ^2/NDF:0.7/3

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/20

All: -0.015+/-0.004 χ^2/NDF: 41.2/43

- sign -0.022+/-0.006 χ^2/NDF: 15.5/22



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 19.267+/-0.007 χ^2/NDF:202275.3/4

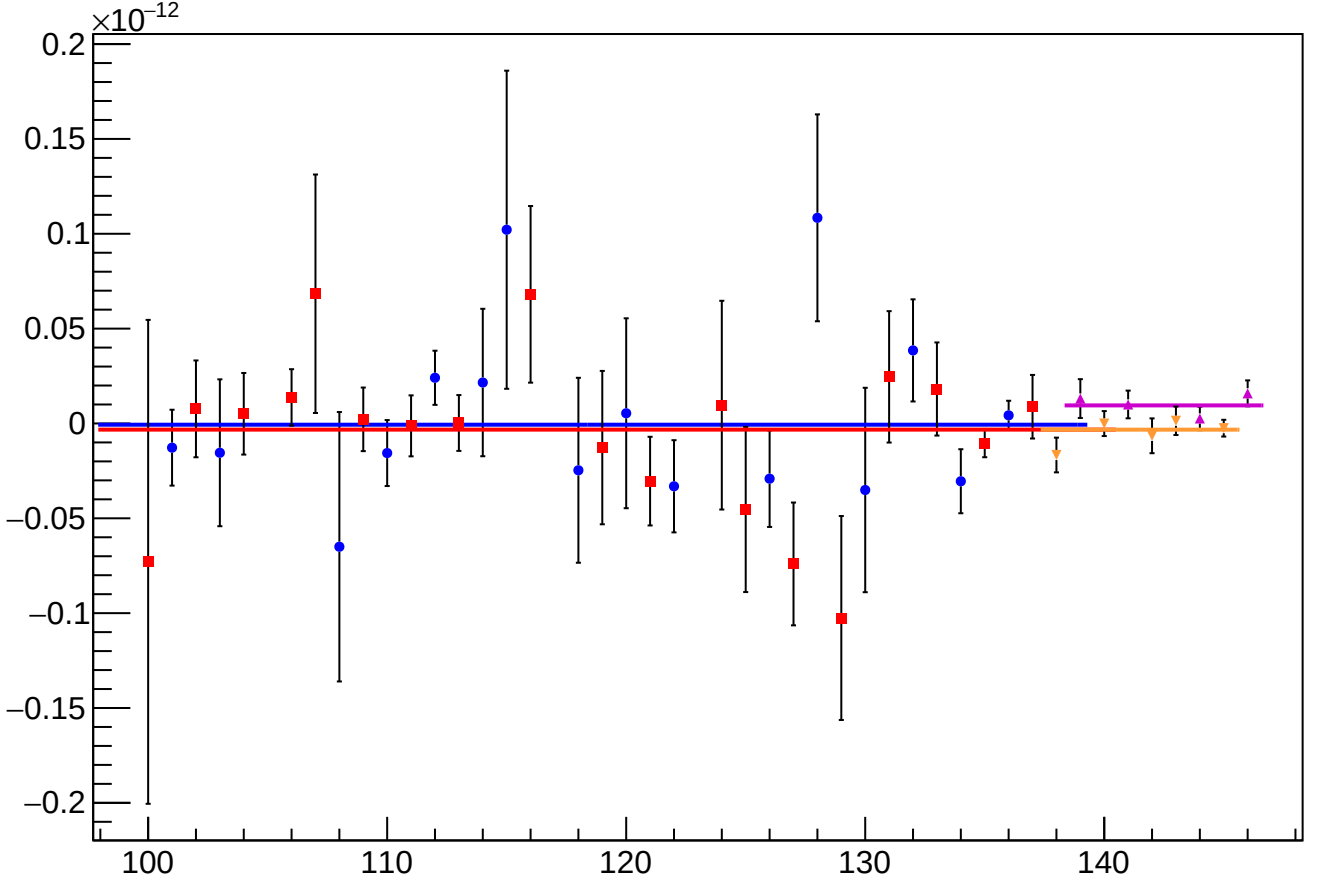
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 18.394+/-0.007 χ^2/NDF:261245.8/3

+ sign 18.122+/-0.004 χ^2/NDF: 1229827.6/20

All: 18.461+/-0.003 χ^2/NDF: 2758026.8/43

- sign 18.834+/-0.004 χ^2/NDF: 1514546.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/4

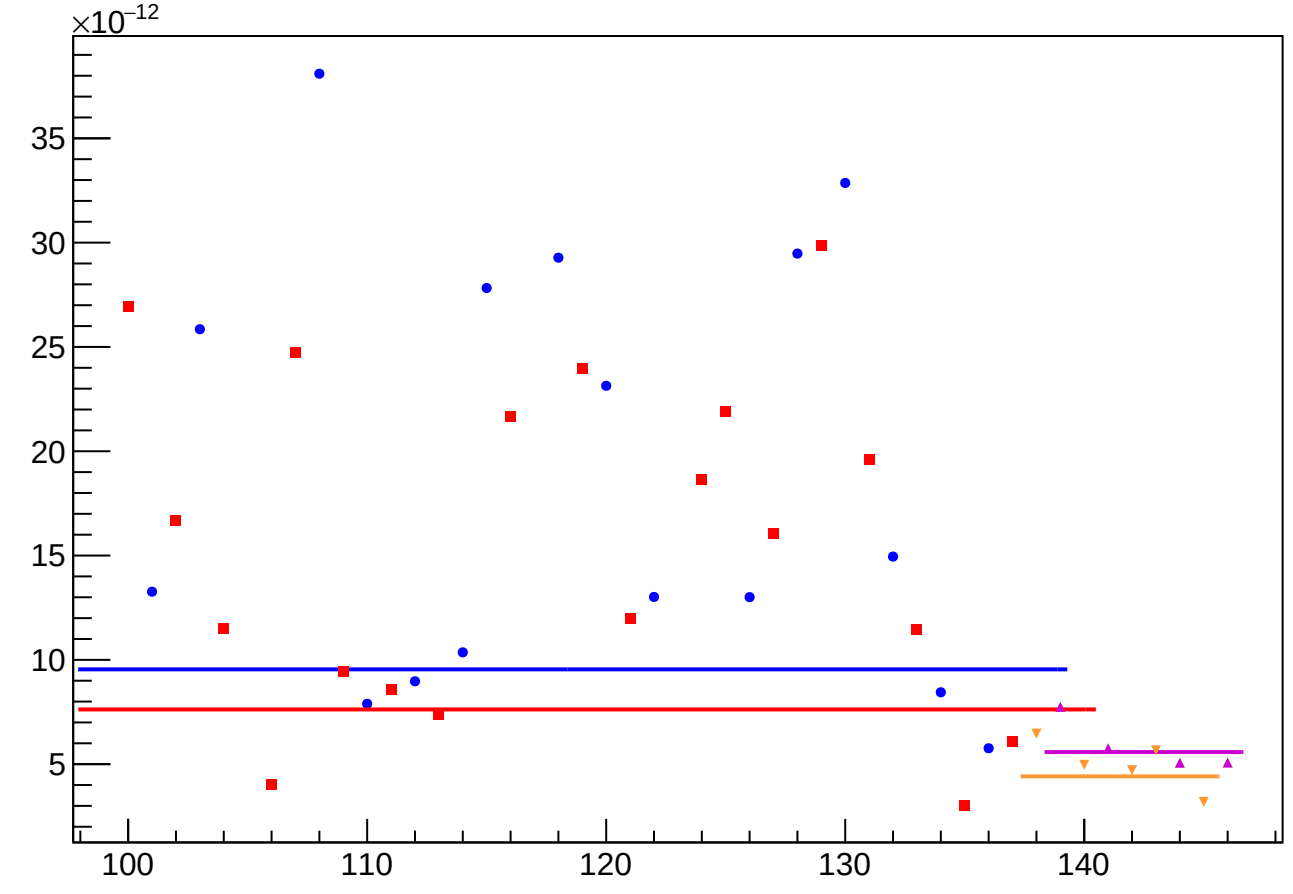
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/3

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/20

All: 0.000+/-0.000 χ^2/NDF: 53.2/43

- sign 0.000+/-0.000 χ^2/NDF: 26.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:325592.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

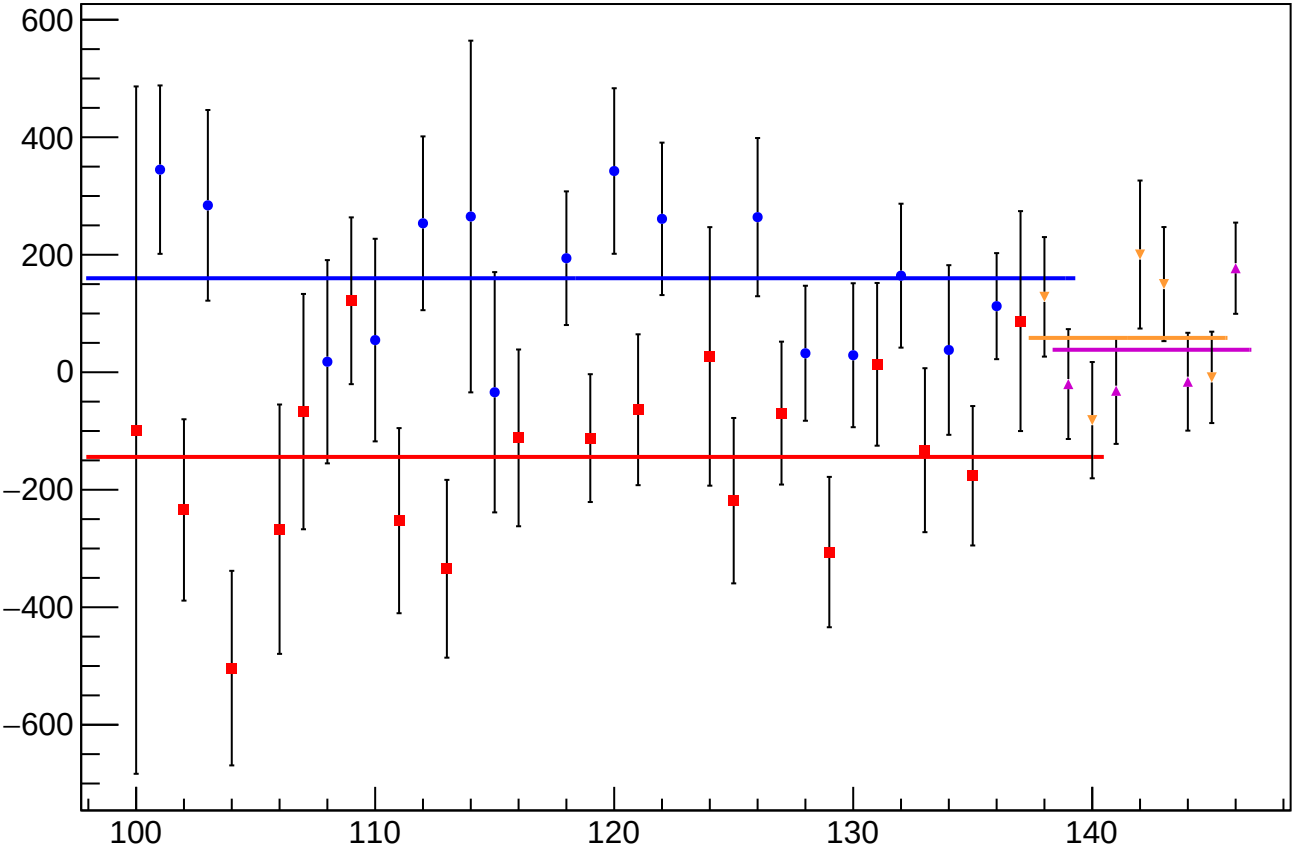
Left In: 0.000+/-0.000 χ^2/NDF:115713.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 4492094.4/20

All: 0.000+/-0.000 χ^2/NDF: 8009468.6/43

- sign 0.000+/-0.000 χ^2/NDF: 3452554.9/22

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 58.479+/-43.306 χ^2/NDF:5.4/4

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

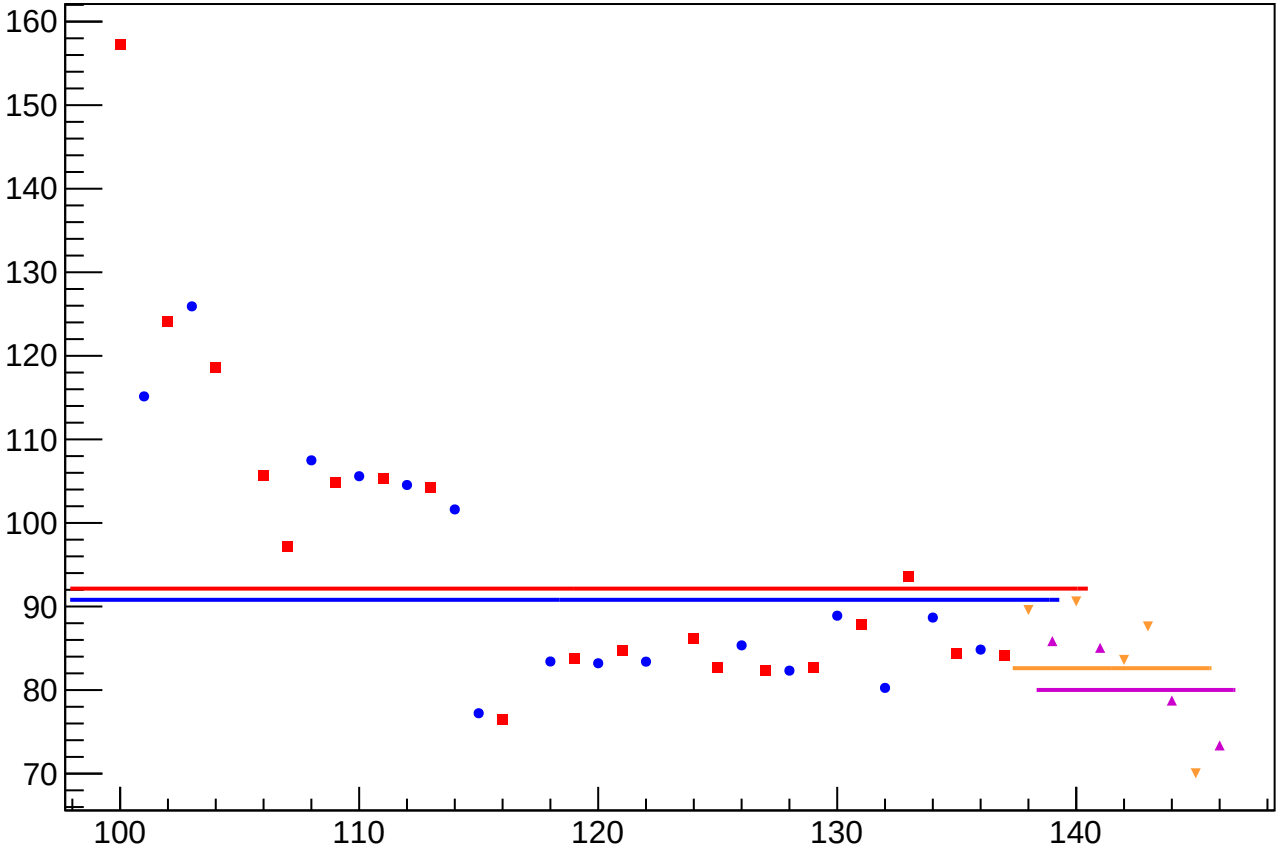
Left In: 38.276+/-42.770 χ^2/NDF:4.6/3

+ sign 121.062+/-26.825 χ^2/NDF: 19.8/20

All: 23.666+/-18.930 χ^2/NDF: 79.2/43

- sign -72.945+/-26.717 χ^2/NDF: 33.1/22

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 82.617+/-0.031 χ^2/NDF:80156.9/4

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

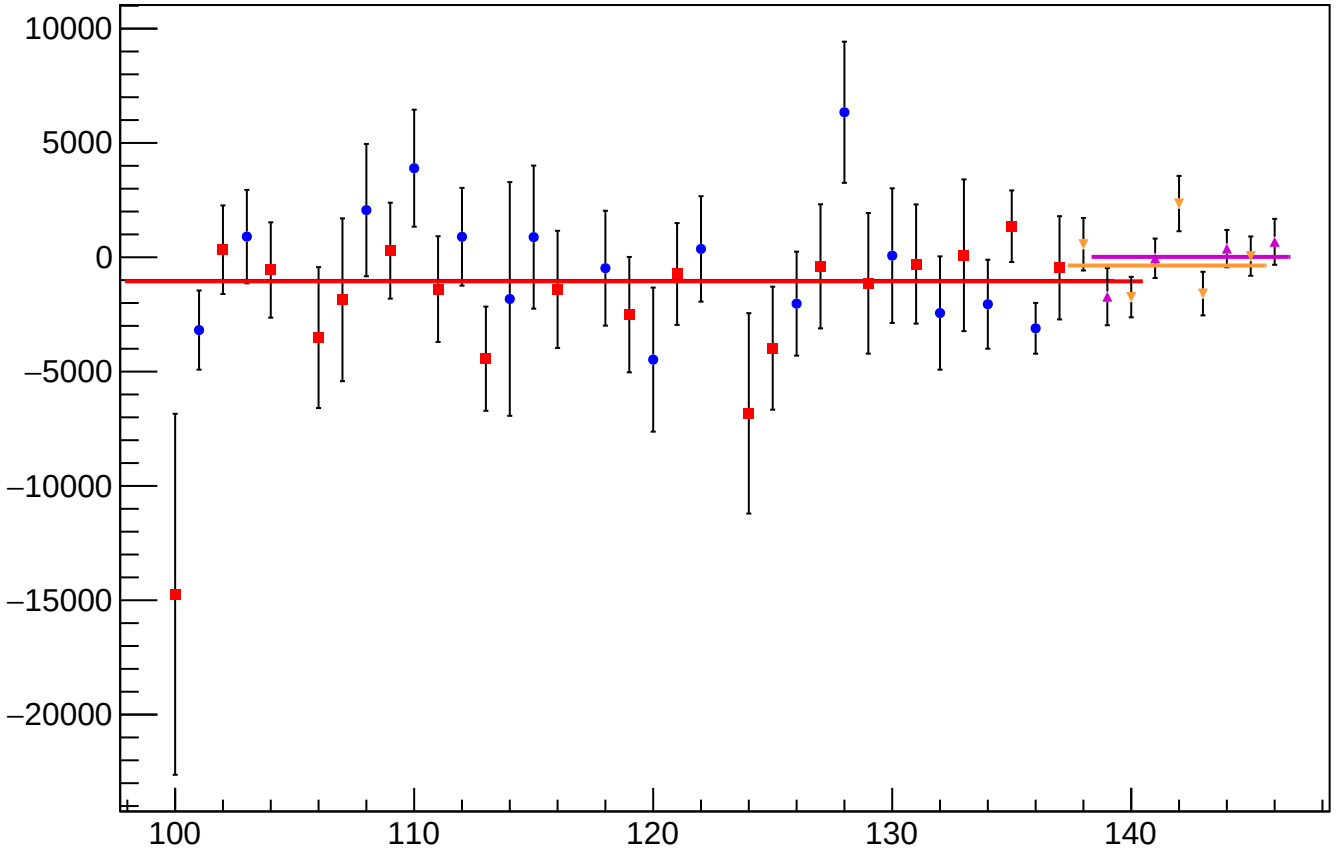
Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

+ sign 87.661+/-0.019 χ^2/NDF: 396946.9/20

All: 87.535+/-0.013 χ^2/NDF: 826209.3/43

- sign 87.410+/-0.019 χ^2/NDF: 429174.0/22

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -359.914+/-439.768 χ^2/NDF:10.0/4

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

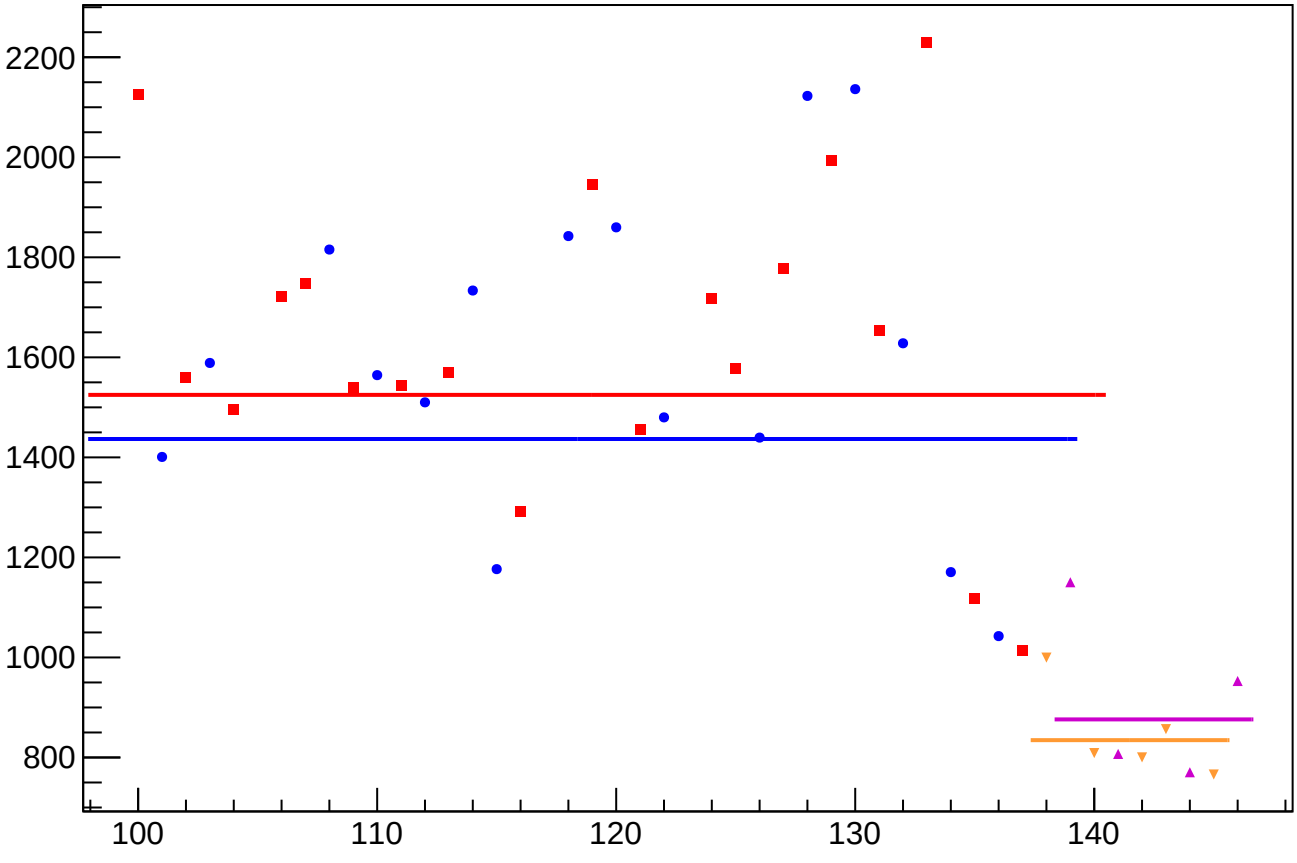
Left In: 17.307+/-472.912 χ^2/NDF:2.6/3

\+ sign -623.085+/-343.522 χ^2/NDF: 31.1/20

All: -527.055+/-249.729 χ^2/NDF: 48.9/43

\- sign -419.426+/-363.678 χ^2/NDF: 17.5/22

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 834.655+/-0.311 χ^2/NDF:58473.8/4

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

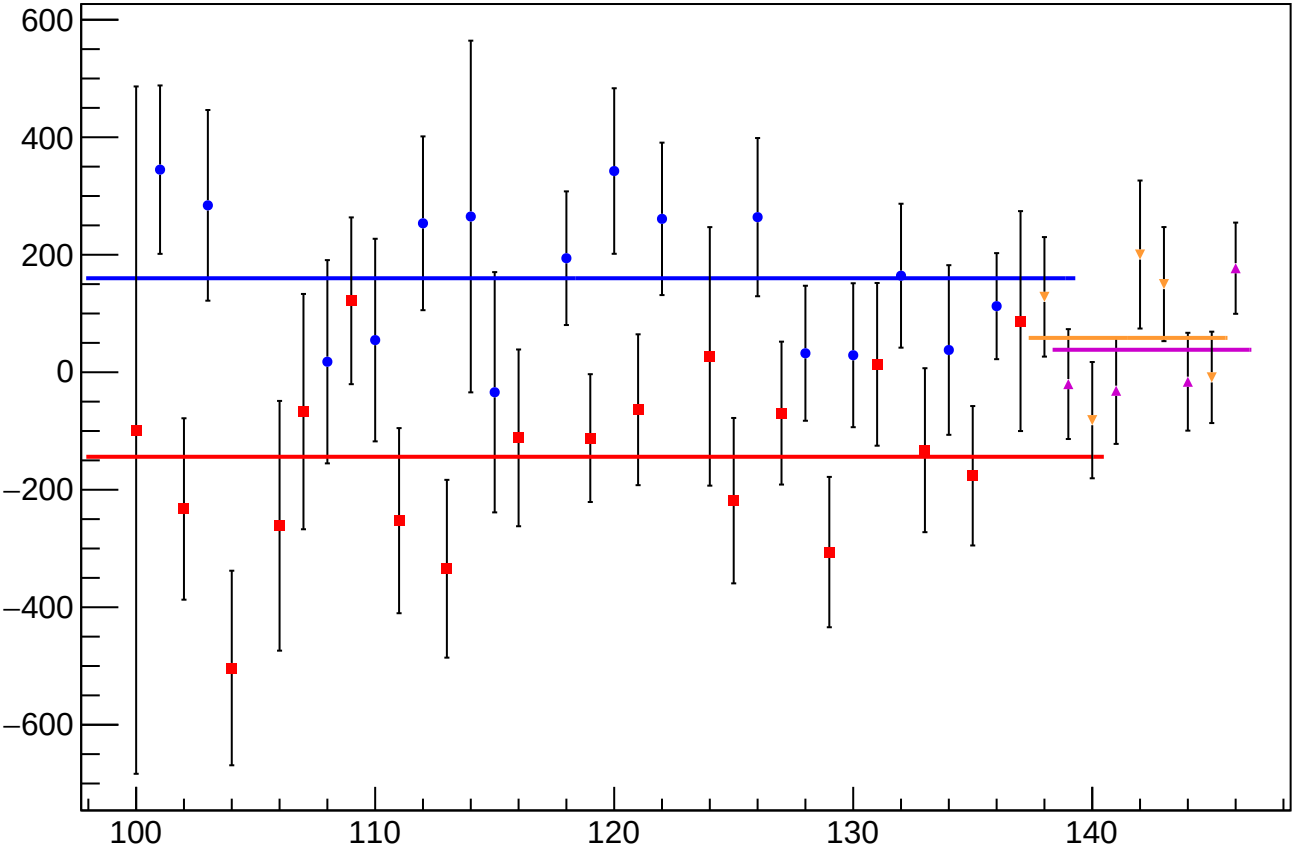
Left In: 876.129+/-0.334 χ^2/NDF:154040.6/3

+ sign 1069.354+/-0.243 χ^2/NDF: 2195472.8/20

All: 1103.253+/-0.177 χ^2/NDF: 4433663.5/43

- sign 1141.246+/-0.257 χ^2/NDF: 2196887.3/22

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 58.482+/-43.306 χ^2/NDF:5.4/4

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

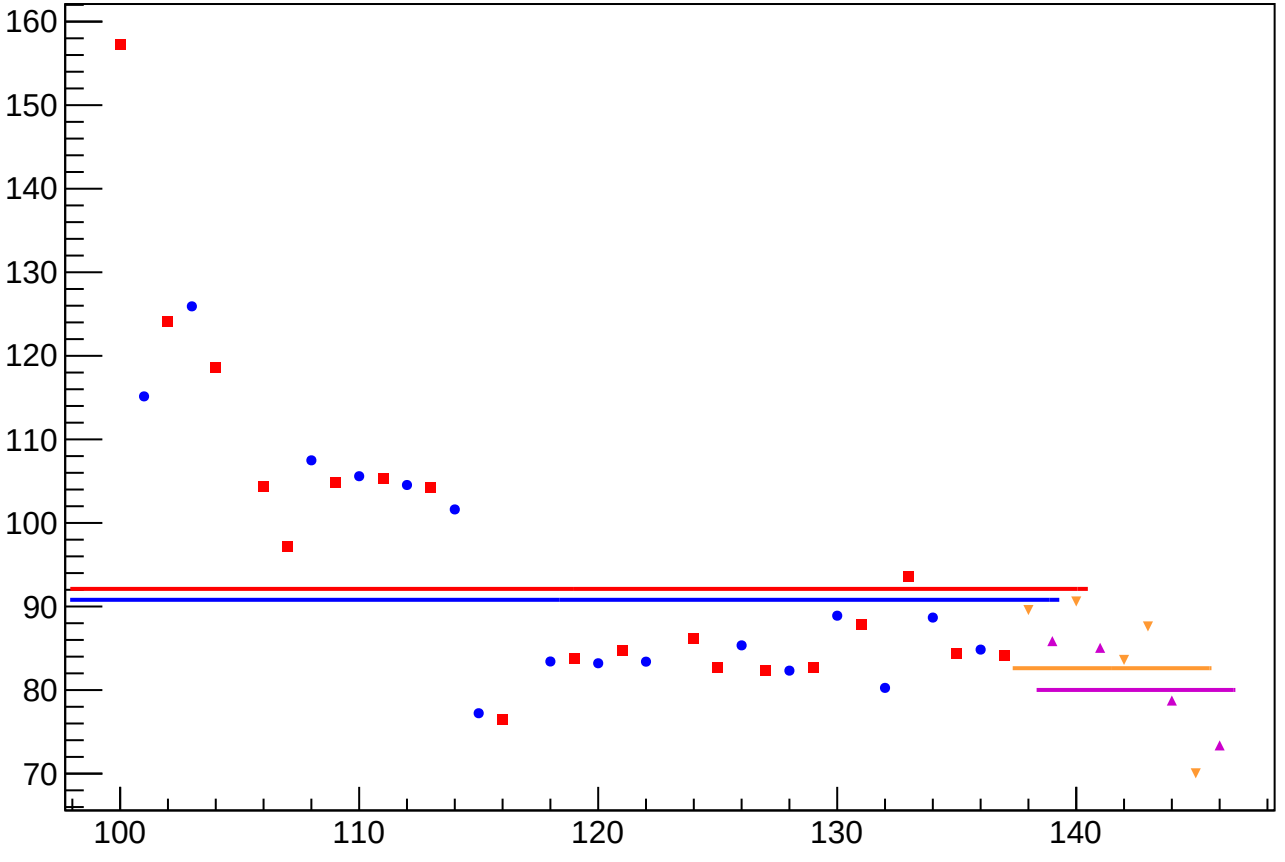
Left In: 38.270+/-42.770 χ^2/NDF:4.6/3

+ sign 121.061+/-26.825 χ^2/NDF: 19.8/20

All: 23.749+/-18.930 χ^2/NDF: 79.1/43

- sign -72.786+/-26.718 χ^2/NDF: 33.0/22

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 82.617+/-0.031 χ^2/NDF:80156.9/4

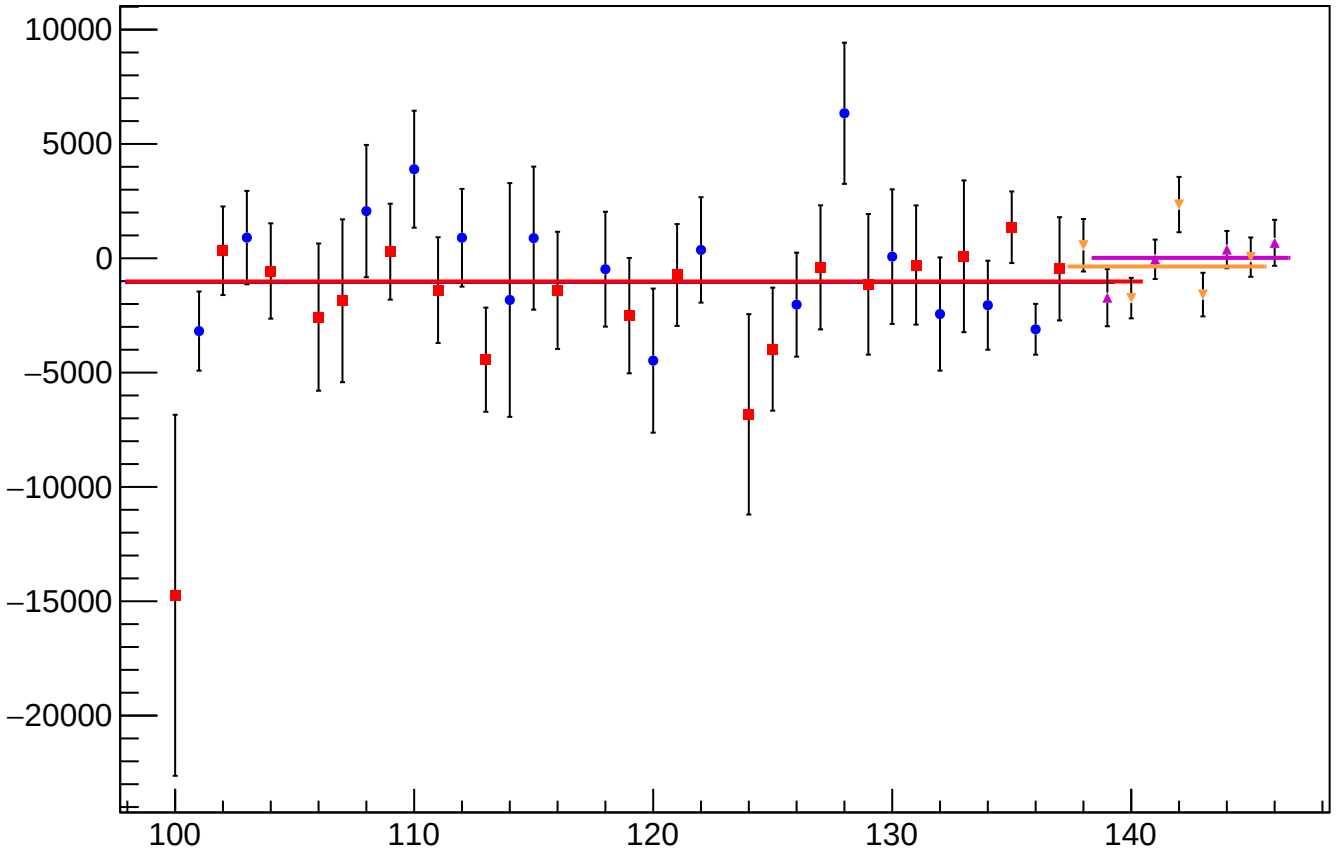
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

+ sign 87.661+/-0.019 χ^2/NDF: 396948.8/20

All: 87.525+/-0.013 χ^2/NDF: 824422.9/43

- sign 87.389+/-0.019 χ^2/NDF: 427370.7/22



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -359.905+/-439.768 χ^2/NDF:10.0/4

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

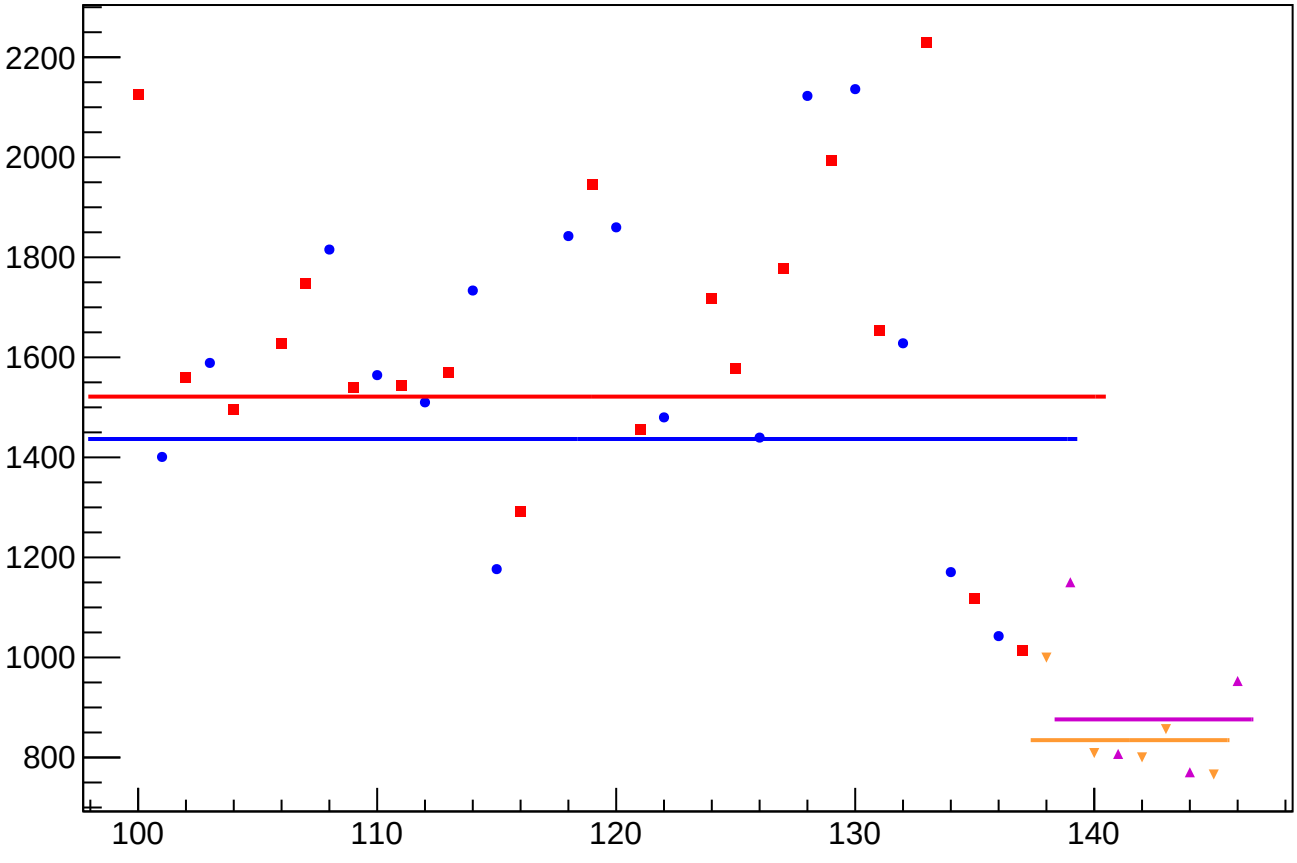
Left In: 17.291+/-472.912 χ^2/NDF:2.6/3

\+ sign -623.069+/-343.523 χ^2/NDF: 31.2/20

All: -519.809+/-249.799 χ^2/NDF: 48.3/43

\- sign -403.938+/-363.897 χ^2/NDF: 17.0/22

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 834.654+/-0.311 χ^2/NDF:58474.1/4

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

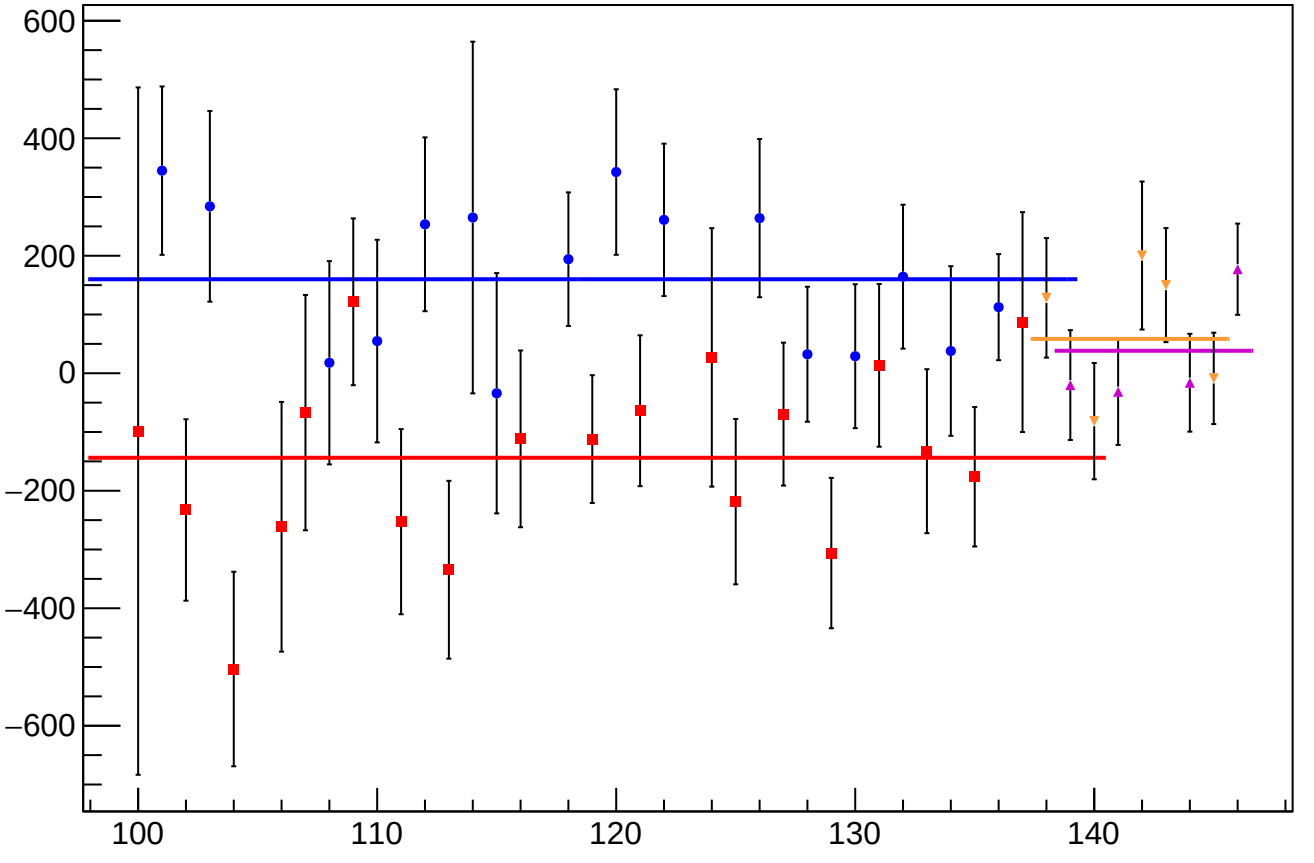
Left In: 876.128+/-0.334 χ^2/NDF:154040.5/3

+ sign 1069.354+/-0.243 χ^2/NDF: 2195496.1/20

All: 1102.349+/-0.177 χ^2/NDF: 4406330.5/43

- sign 1139.374+/-0.257 χ^2/NDF: 2171679.6/22

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 58.482+/-43.306 χ^2/NDF:5.4/4

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

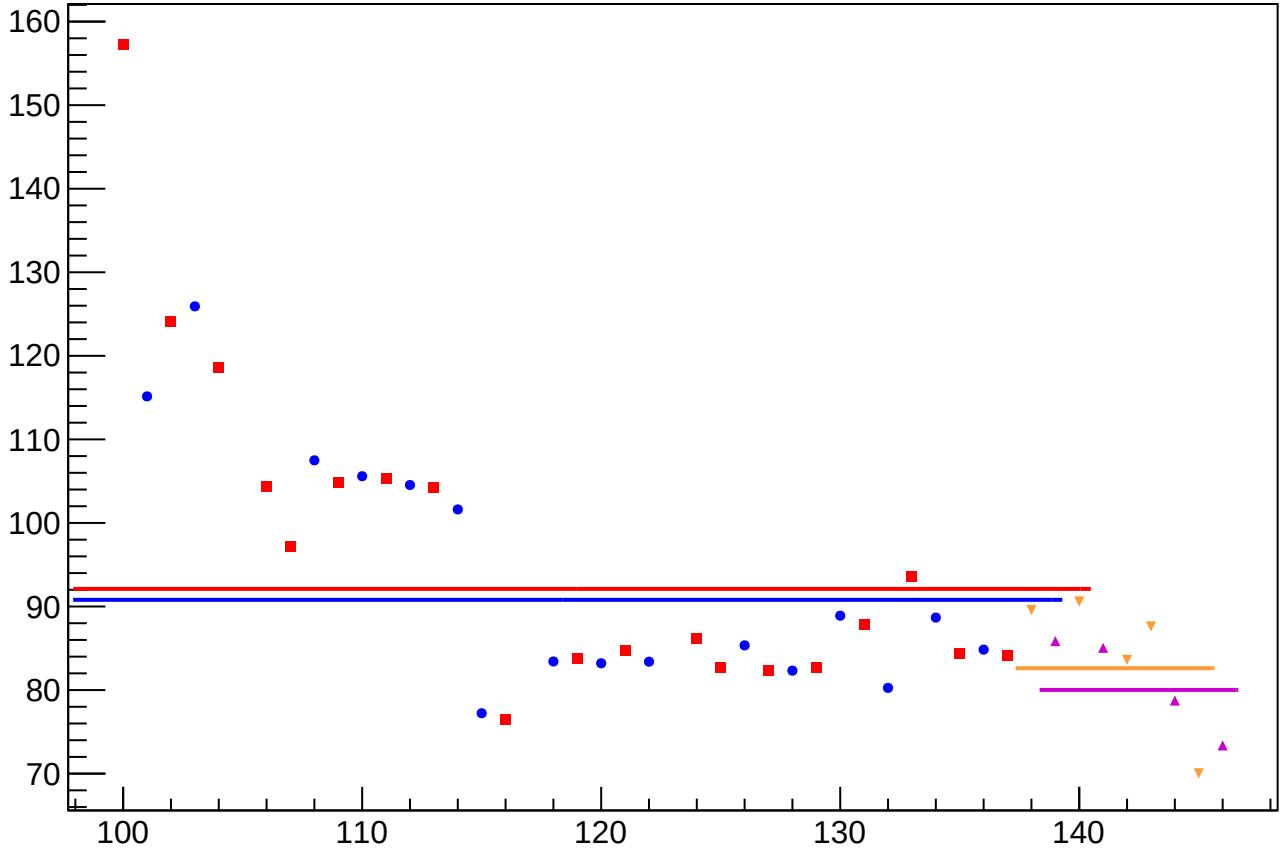
Left In: 38.270+/-42.770 χ^2/NDF:4.6/3

+ sign 121.061+/-26.825 χ^2/NDF: 19.8/20

All: 23.749+/-18.930 χ^2/NDF: 79.1/43

- sign -72.786+/-26.718 χ^2/NDF: 33.0/22

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 82.617+/-0.031 χ^2/NDF:80156.9/4

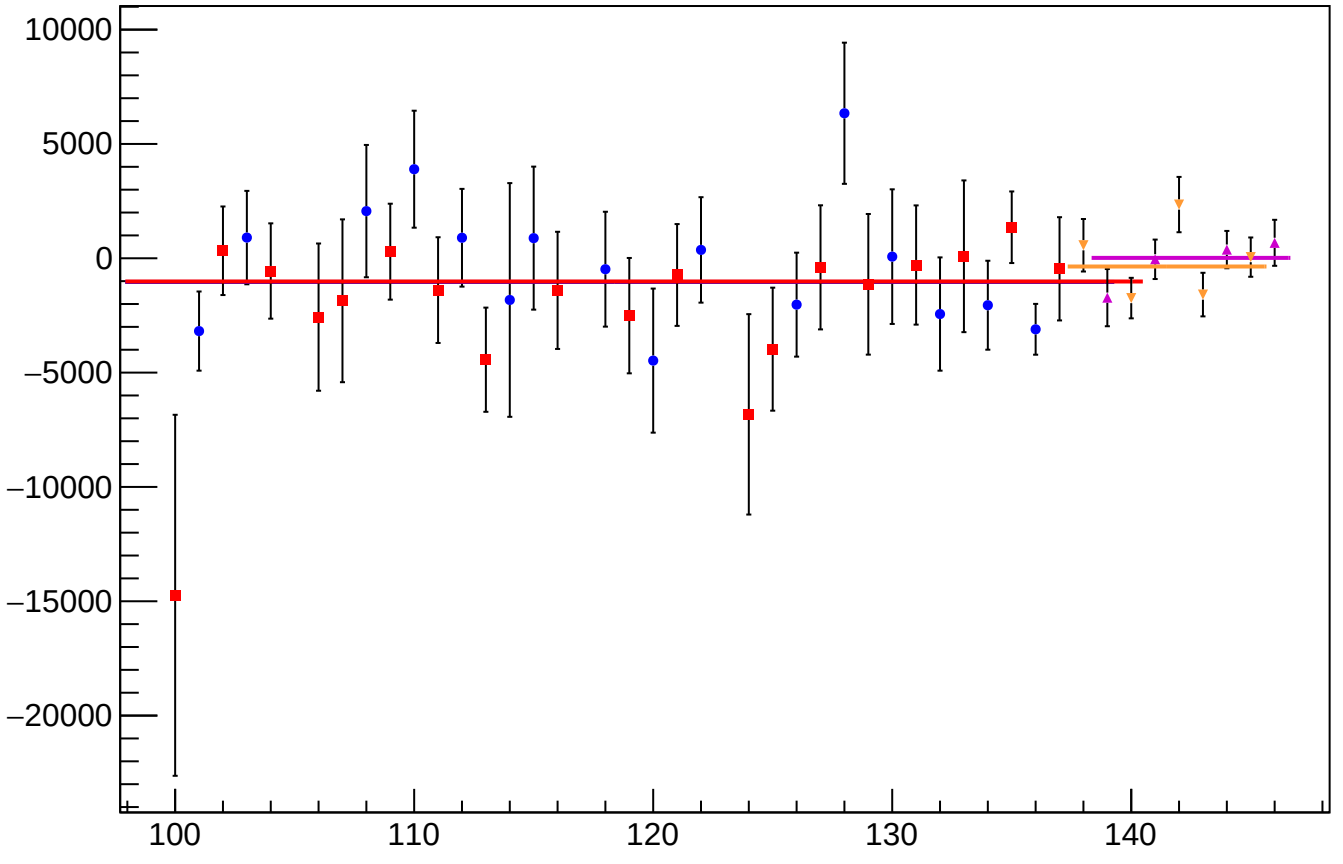
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

+ sign 87.661+/-0.019 χ^2/NDF: 396948.8/20

All: 87.525+/-0.013 χ^2/NDF: 824422.9/43

- sign 87.389+/-0.019 χ^2/NDF: 427370.7/22



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -359.905+/-439.768 χ^2/NDF:10.0/4

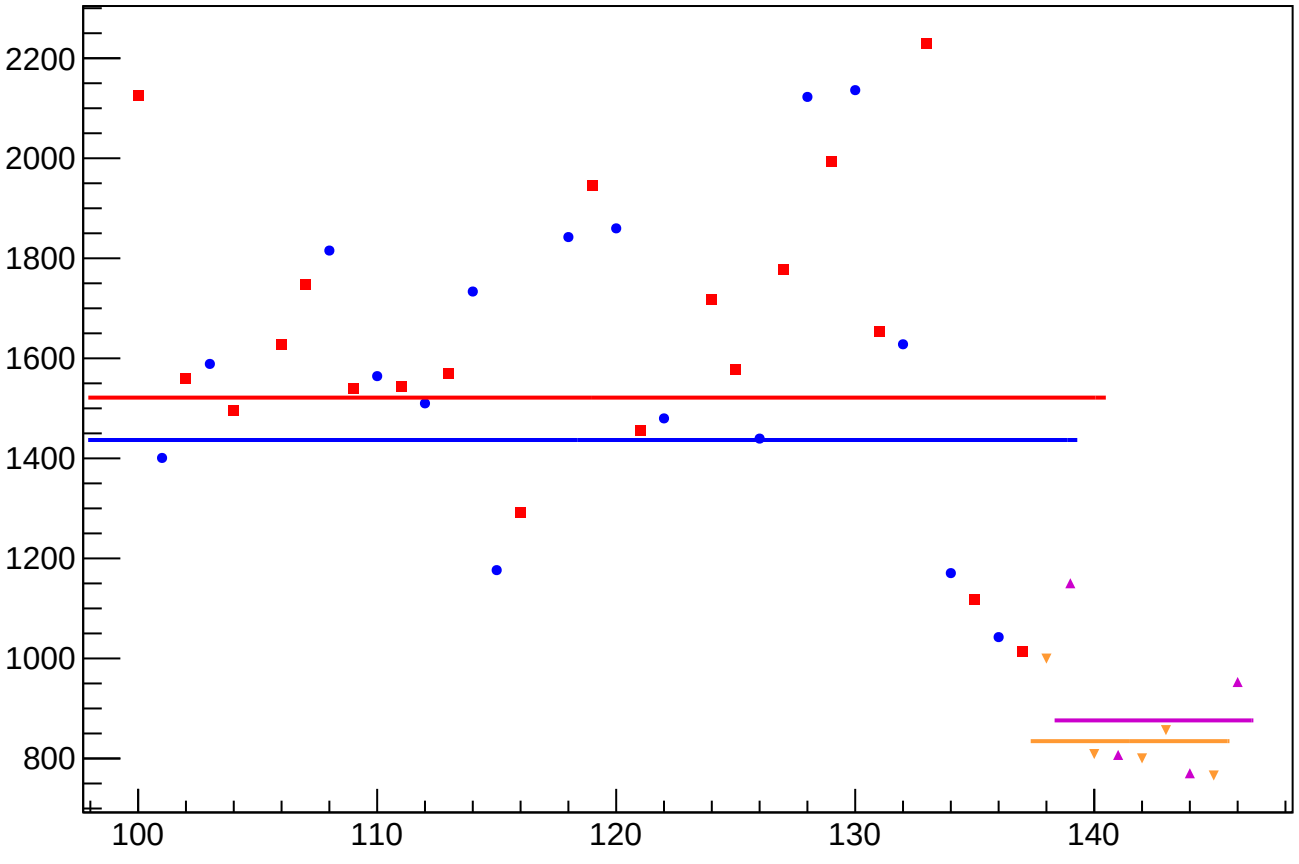
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 17.291+/-472.912 χ^2/NDF:2.6/3

\+ sign -623.069+/-343.523 χ^2/NDF: 31.2/20

All: -519.809+/-249.799 χ^2/NDF: 48.3/43

\- sign -403.938+/-363.897 χ^2/NDF: 17.0/22



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 834.654+/-0.311 χ^2/NDF:58474.1/4

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

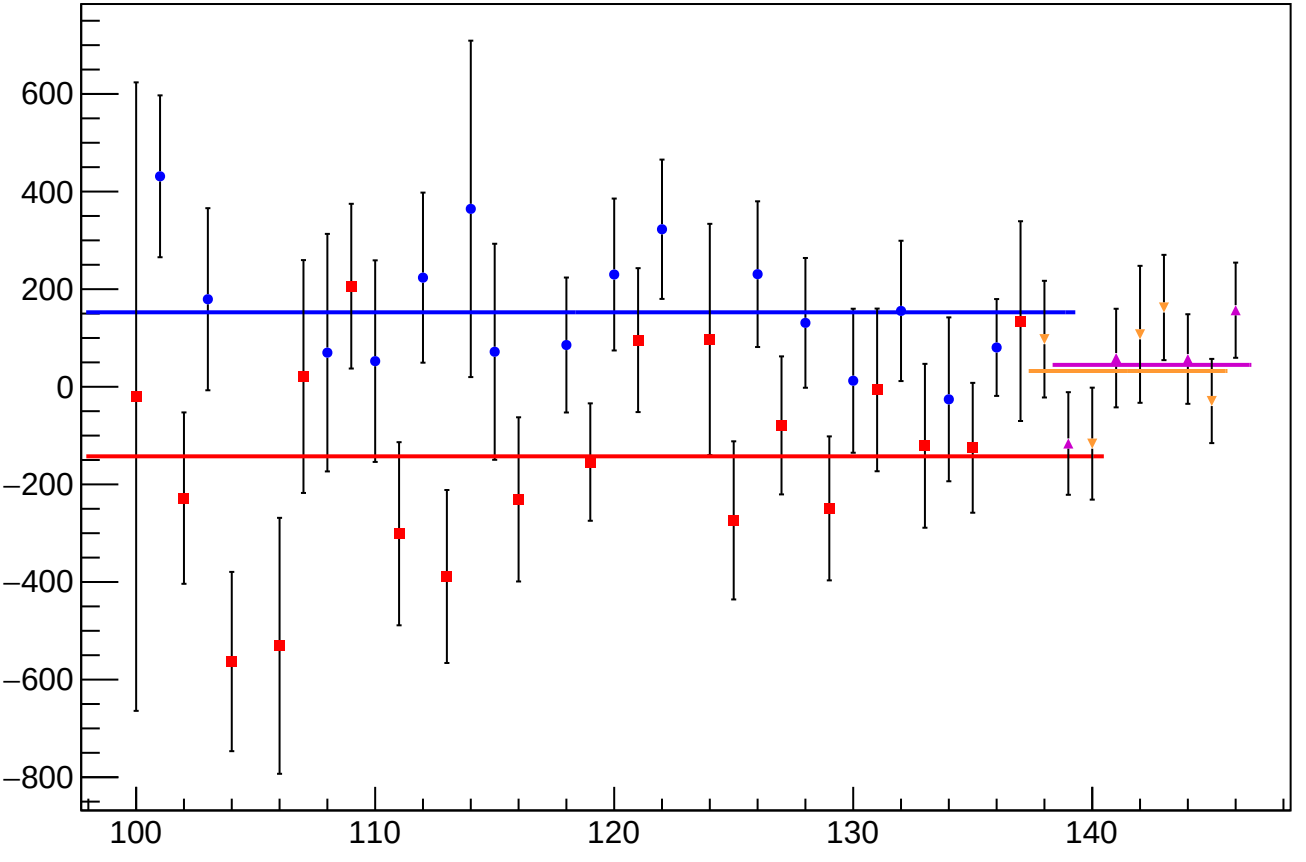
Left In: 876.128+/-0.334 χ^2/NDF:154040.5/3

+ sign 1069.354+/-0.243 χ^2/NDF: 2195496.1/20

All: 1102.349+/-0.177 χ^2/NDF: 4406330.5/43

- sign 1139.374+/-0.257 χ^2/NDF: 2171679.6/22

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 32.342+/-48.964 χ^2/NDF:4.2/4

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

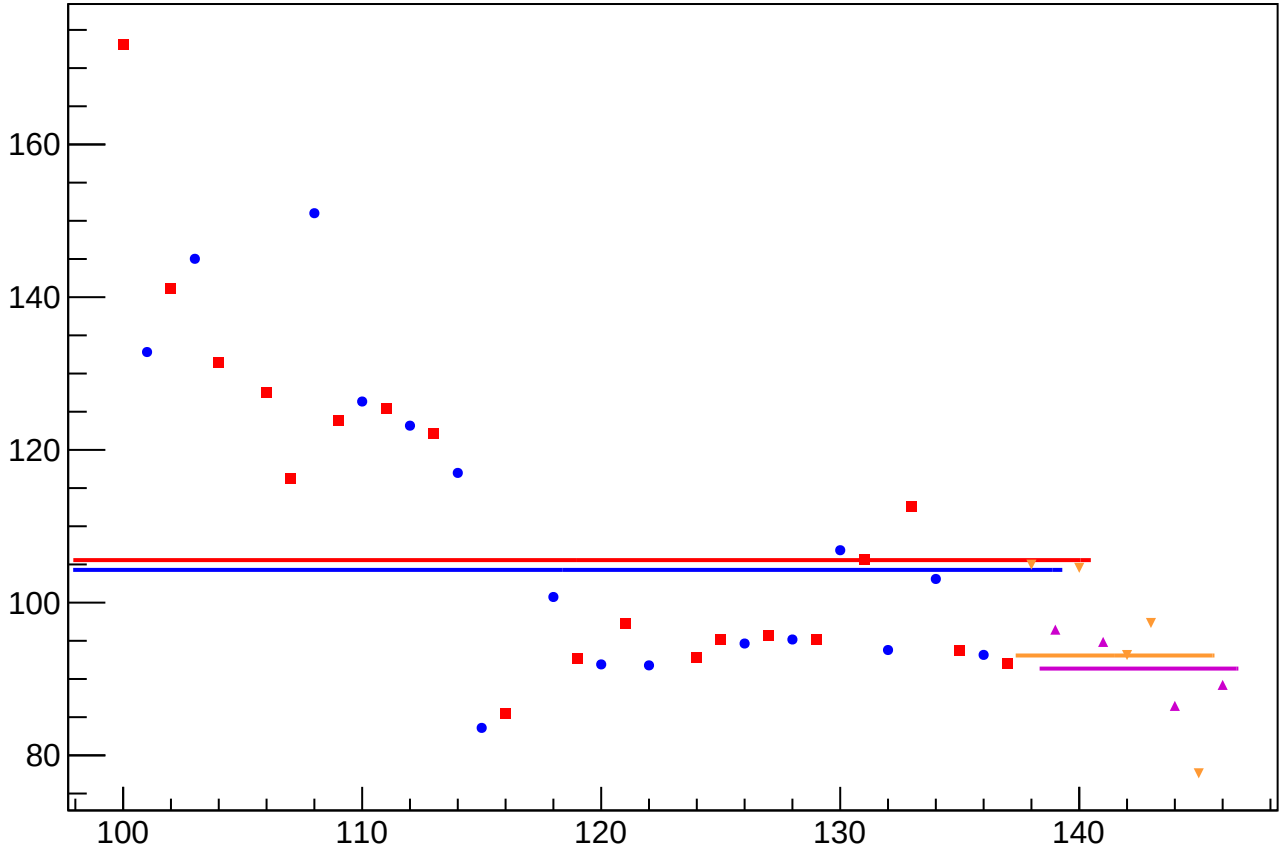
Left In: 44.883+/-49.245 χ^2/NDF:3.7/3

+ sign 105.284+/-30.718 χ^2/NDF: 16.5/20

All: 17.946+/-21.727 χ^2/NDF: 68.2/43

- sign -69.498+/-30.737 χ^2/NDF: 35.5/22

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 93.076+/-0.035 χ^2/NDF:106941.6/4

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

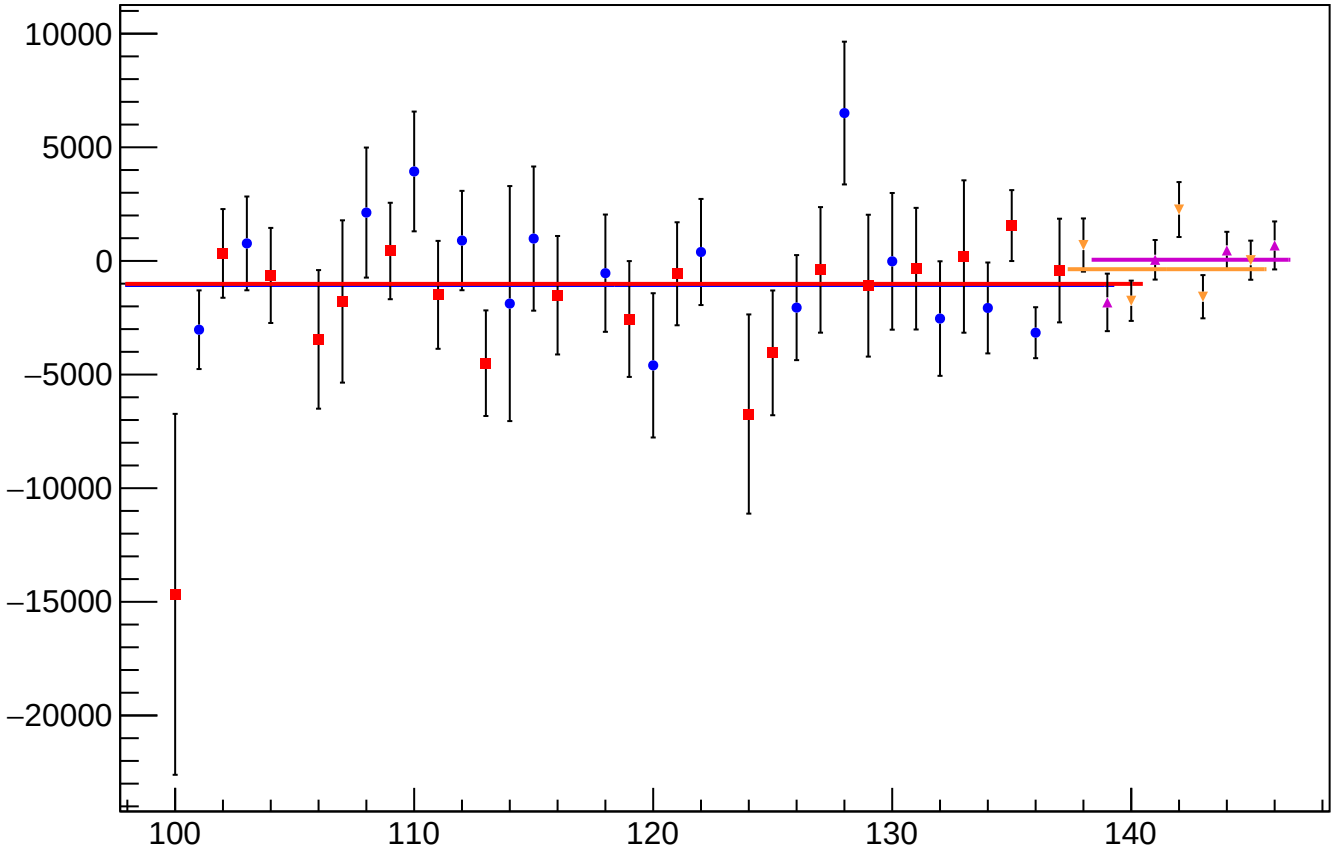
Left In: 91.362+/-0.035 χ^2/NDF:13721.4/3

\+ sign 99.874+/-0.022 χ^2/NDF: 548823.1/20

All: 99.954+/-0.015 χ^2/NDF: 1008772.7/43

\- sign 100.034+/-0.022 χ^2/NDF: 459922.5/22

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -364.013+/-440.838 χ^2/NDF:9.8/4

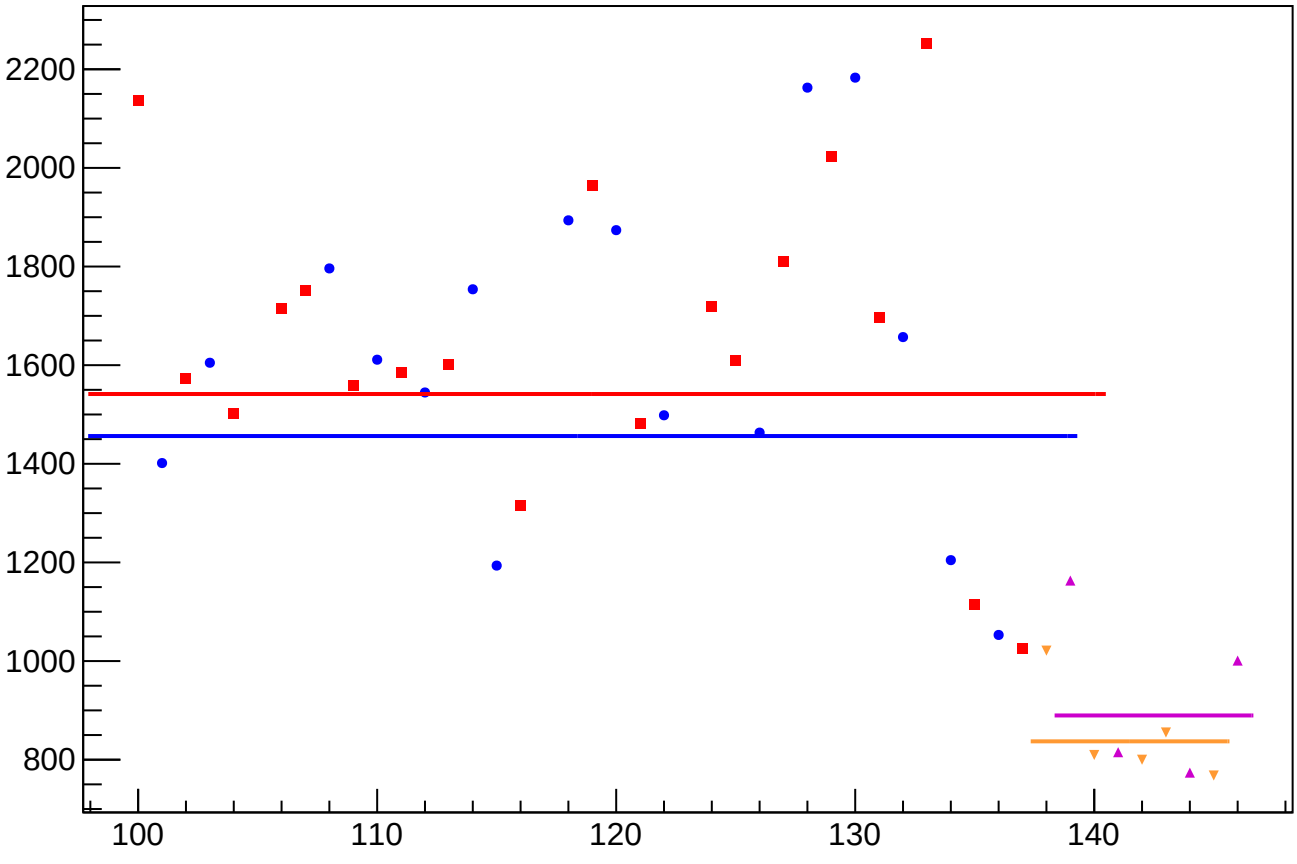
Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 51.820+/-480.606 χ^2/NDF:2.8/3

+ sign -631.439+/-345.827 χ^2/NDF: 30.8/20

All: -516.019+/-252.262 χ^2/NDF: 49.2/43

- sign -384.766+/-368.784 χ^2/NDF: 18.1/22



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 837.208+/-0.312 χ^2/NDF:66949.2/4

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

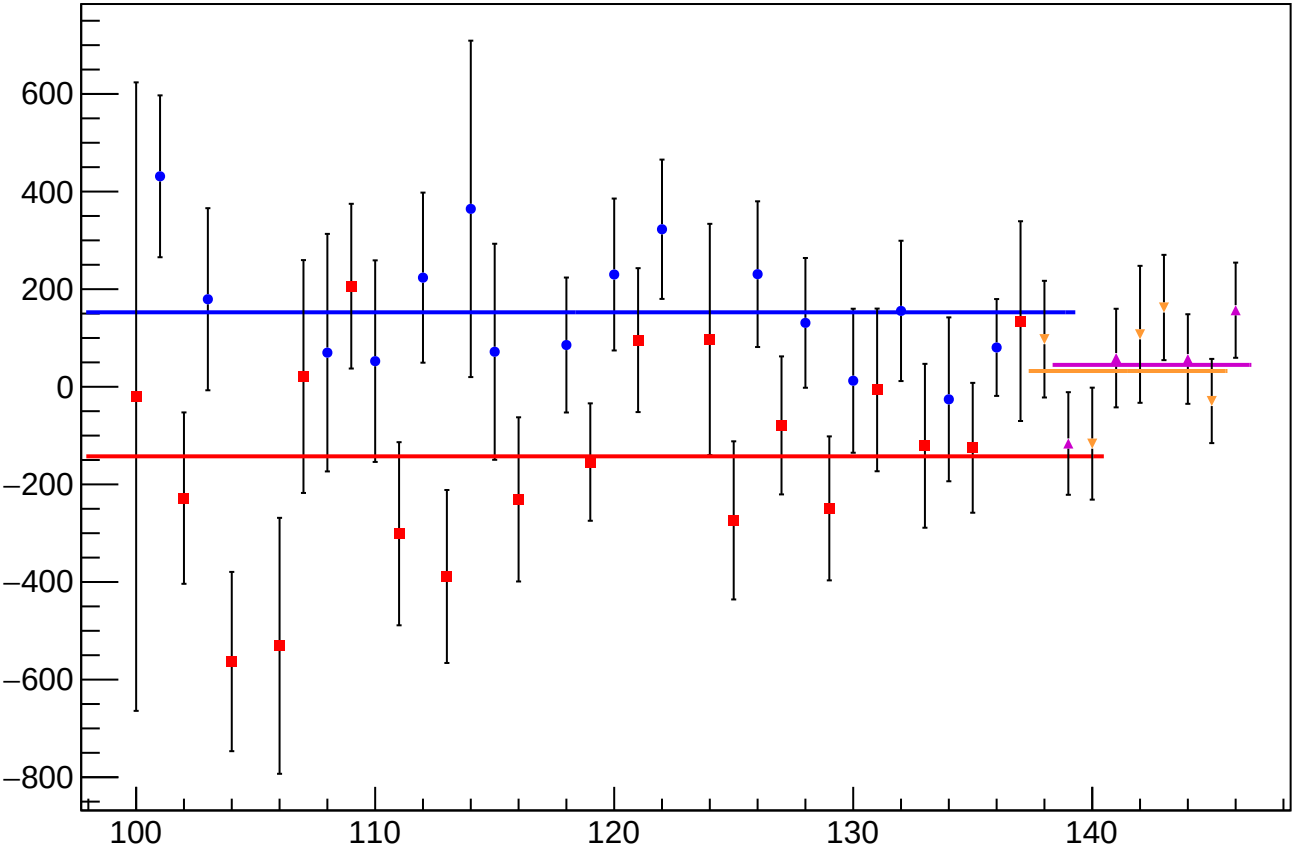
Left In: 889.709+/-0.340 χ^2/NDF:170371.8/3

+ sign 1075.309+/-0.245 χ^2/NDF: 2268772.5/20

All: 1113.878+/-0.178 χ^2/NDF: 4524353.5/43

- sign 1157.737+/-0.261 χ^2/NDF: 2202416.3/22

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 32.338+/-48.964 χ^2/NDF:4.2/4

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

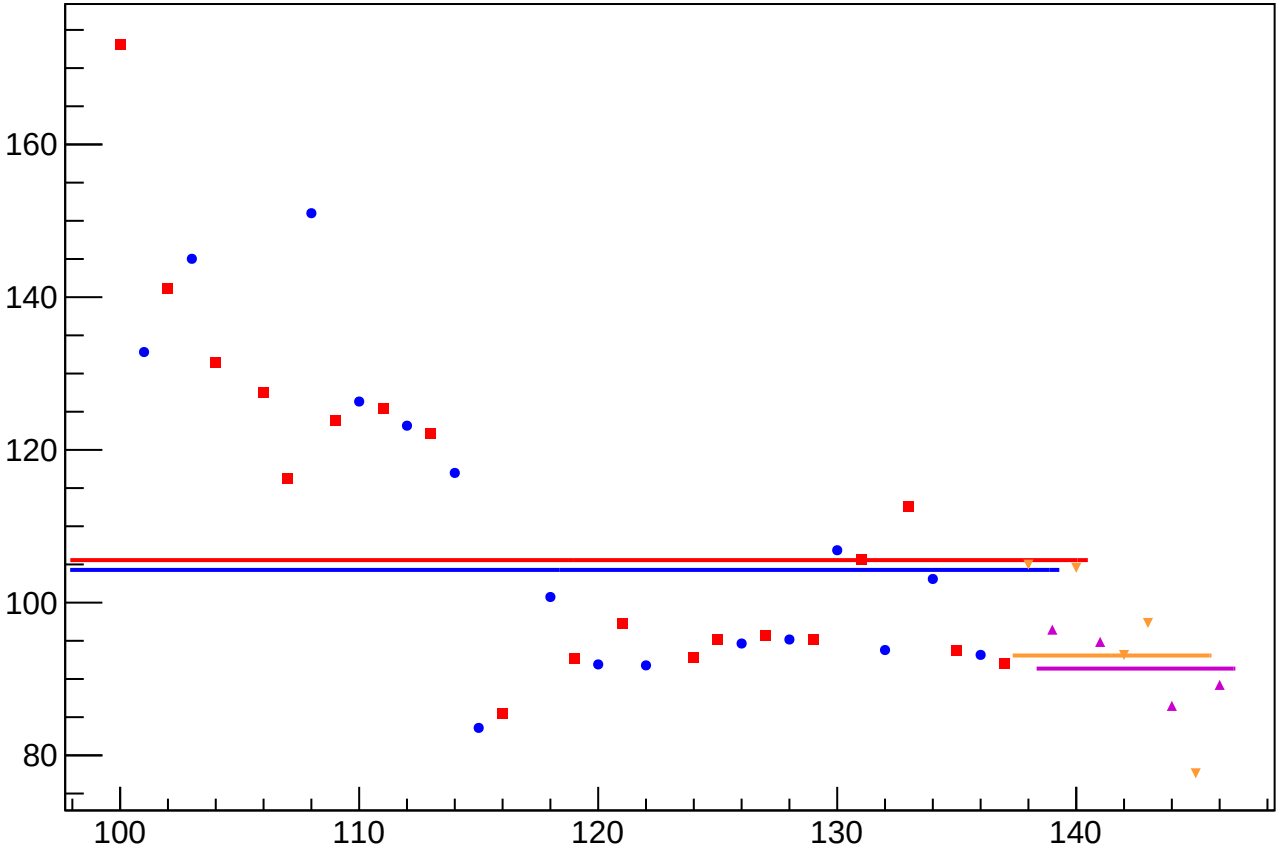
Left In: 44.883+/-49.244 χ^2/NDF:3.7/3

+ sign 105.285+/-30.718 χ^2/NDF: 16.5/20

All: 17.947+/-21.727 χ^2/NDF: 68.2/43

- sign -69.497+/-30.736 χ^2/NDF: 35.5/22

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 93.076+/-0.035 χ^2/NDF:106940.9/4

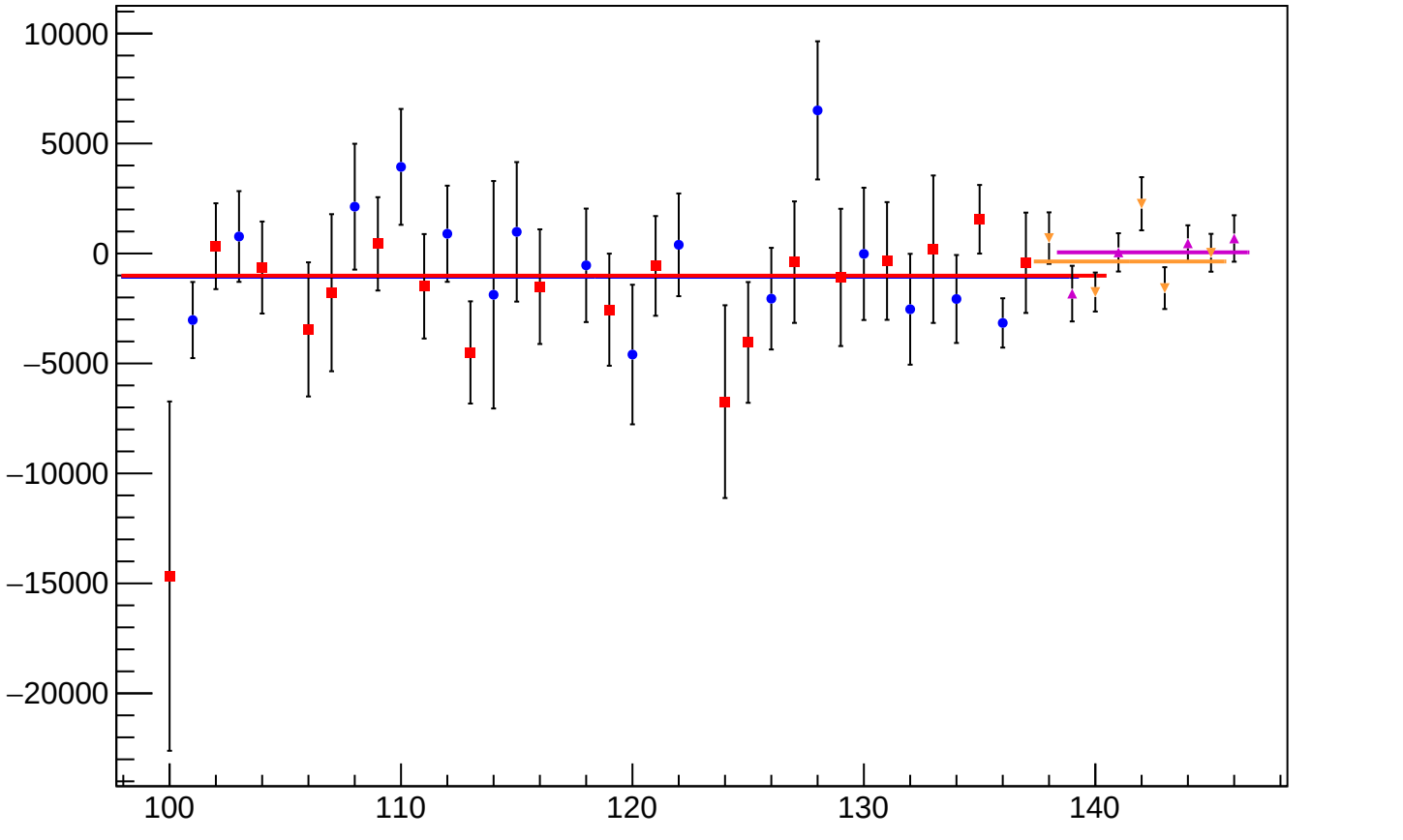
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.362+/-0.035 χ^2/NDF:13720.9/3

+ sign 99.874+/-0.022 χ^2/NDF: 548814.4/20

All: 99.953+/-0.015 χ^2/NDF: 1008755.0/43

- sign 100.033+/-0.022 χ^2/NDF: 459913.5/22



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -364.016+/-440.837 χ^2/NDF:9.8/4

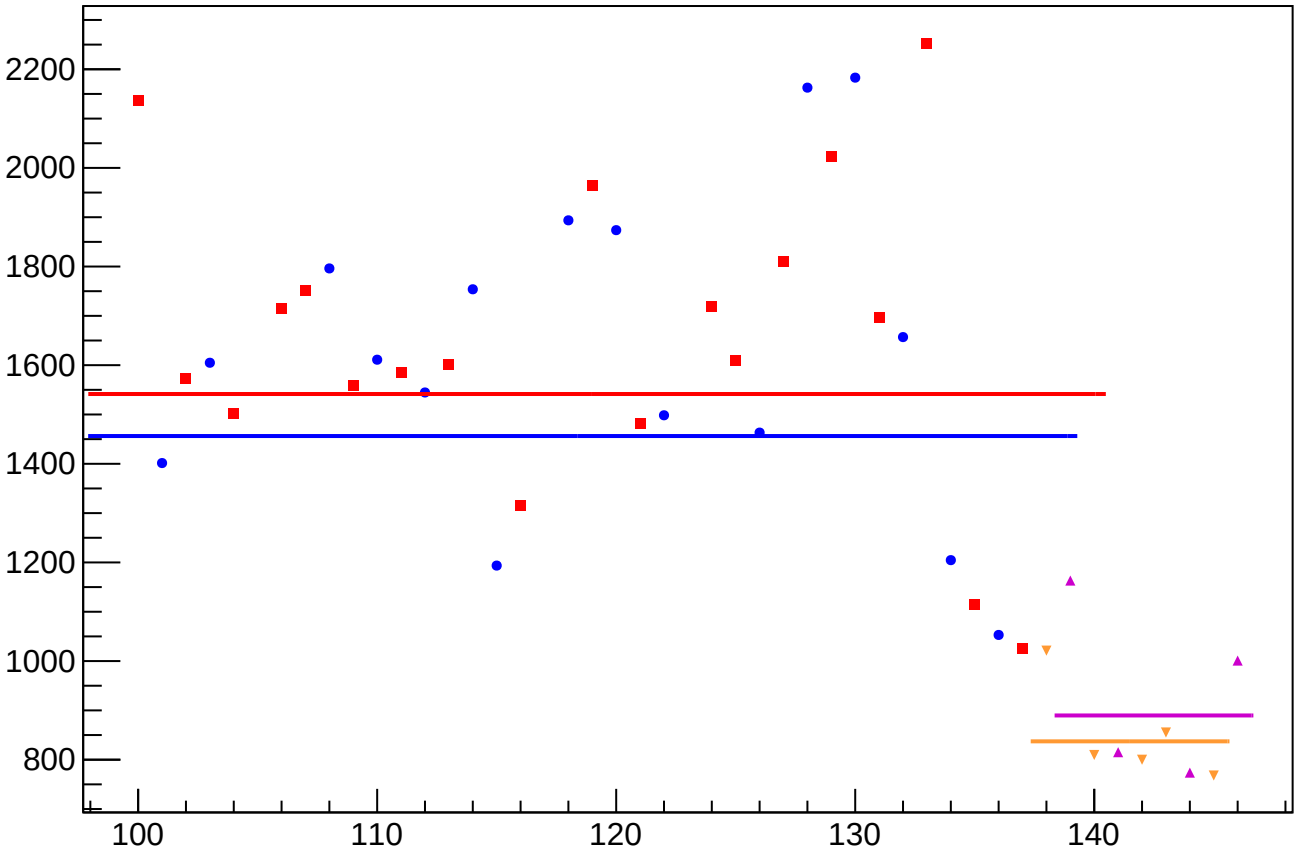
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 51.818+/-480.606 χ^2/NDF:2.8/3

\+ sign -631.439+/-345.827 χ^2/NDF: 30.8/20

All: -516.019+/-252.262 χ^2/NDF: 49.2/43

\- sign -384.767+/-368.783 χ^2/NDF: 18.1/22



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 837.207+/-0.312 χ^2/NDF:66948.7/4

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

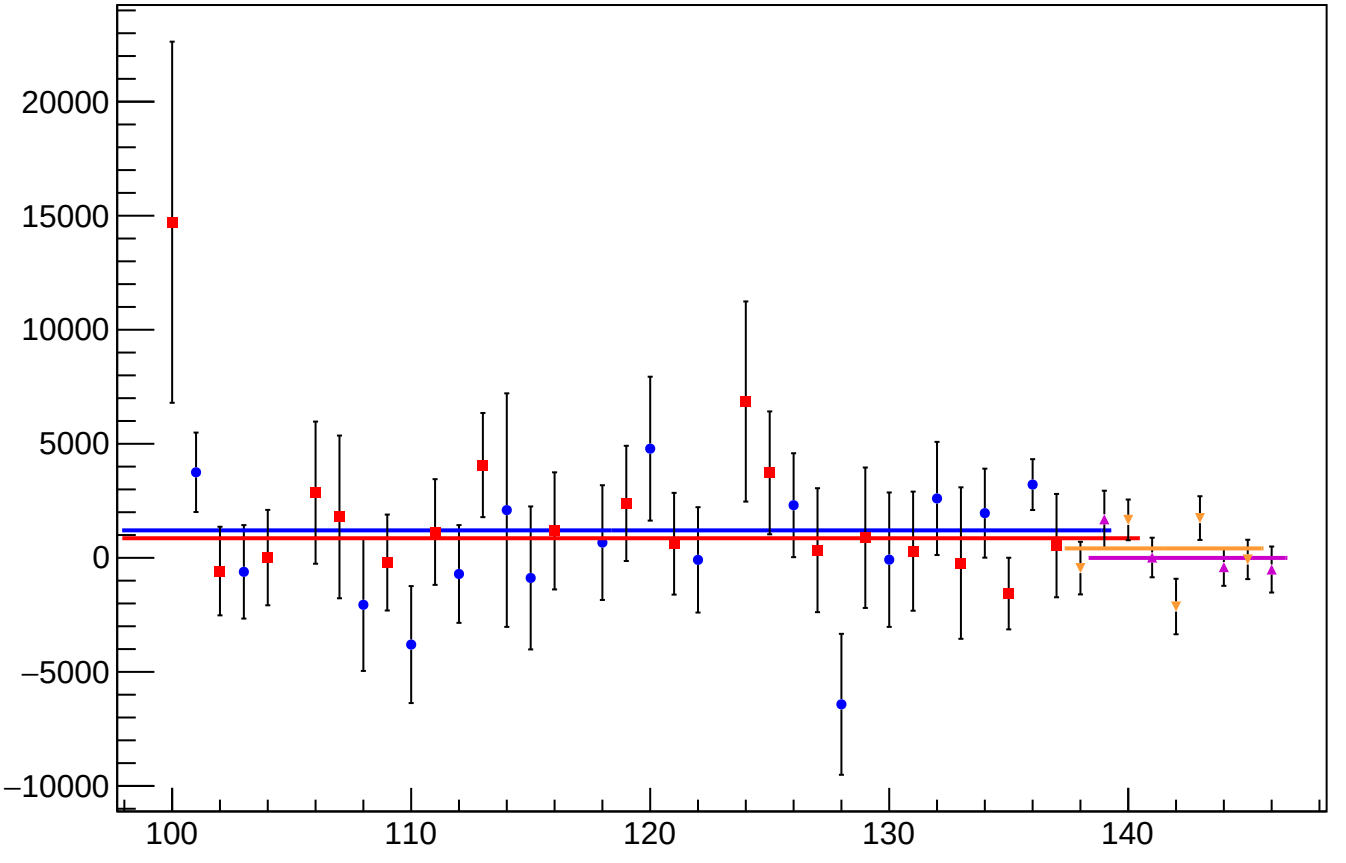
Left In: 889.708+/-0.340 χ^2/NDF:170371.1/3

+ sign 1075.307+/-0.245 χ^2/NDF: 2268768.4/20

All: 1113.876+/-0.178 χ^2/NDF: 4524344.7/43

- sign 1157.736+/-0.261 χ^2/NDF: 2202411.2/22

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 413.822+/-442.071 χ^2/NDF:9.1/4

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

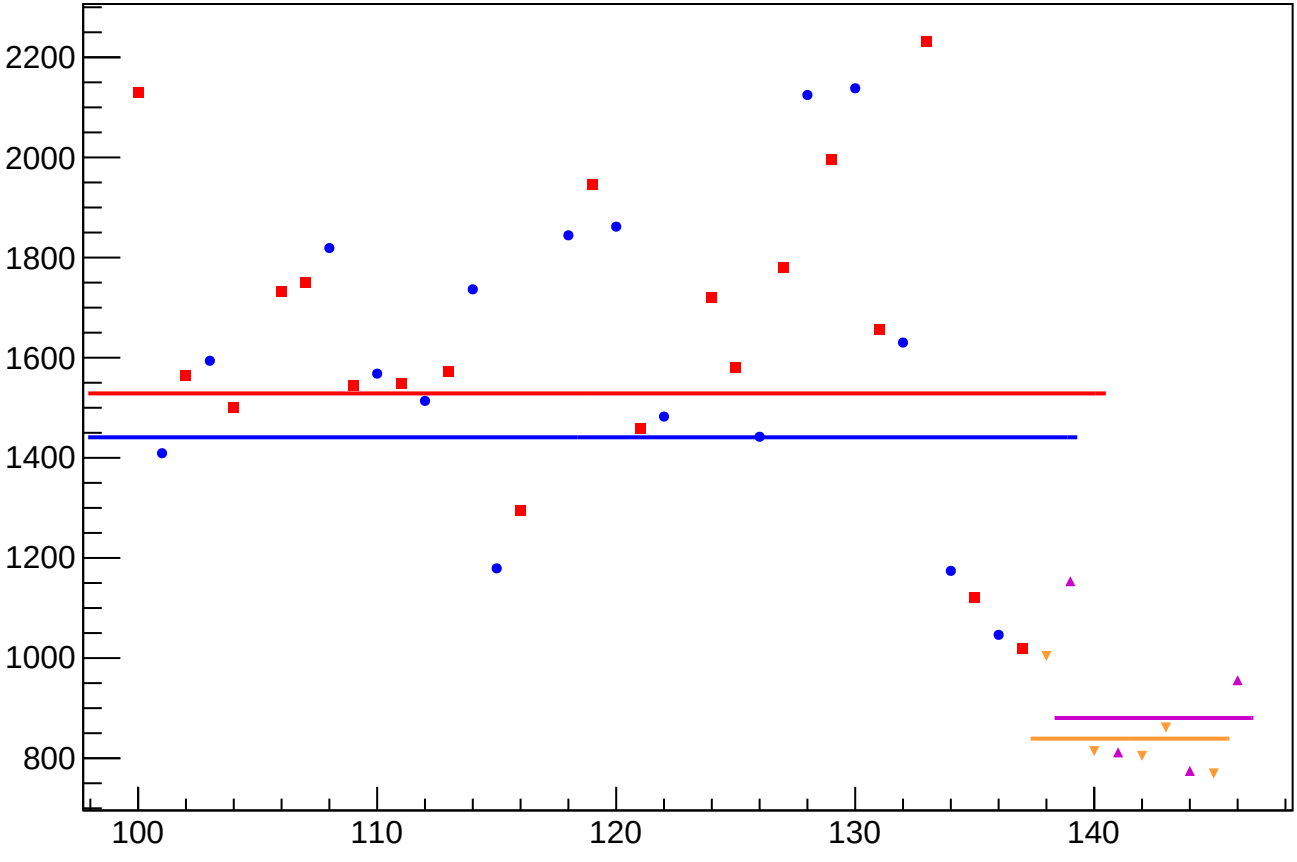
Left In: -2.957+/-475.092 χ^2/NDF:2.3/3

\+ sign 723.041+/-344.990 χ^2/NDF: 31.5/20

All: 547.154+/-250.736 χ^2/NDF: 48.3/43

\- sign 350.217+/-365.049 χ^2/NDF: 16.2/22

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 839.143+/-0.313 χ^2/NDF:58182.7/4

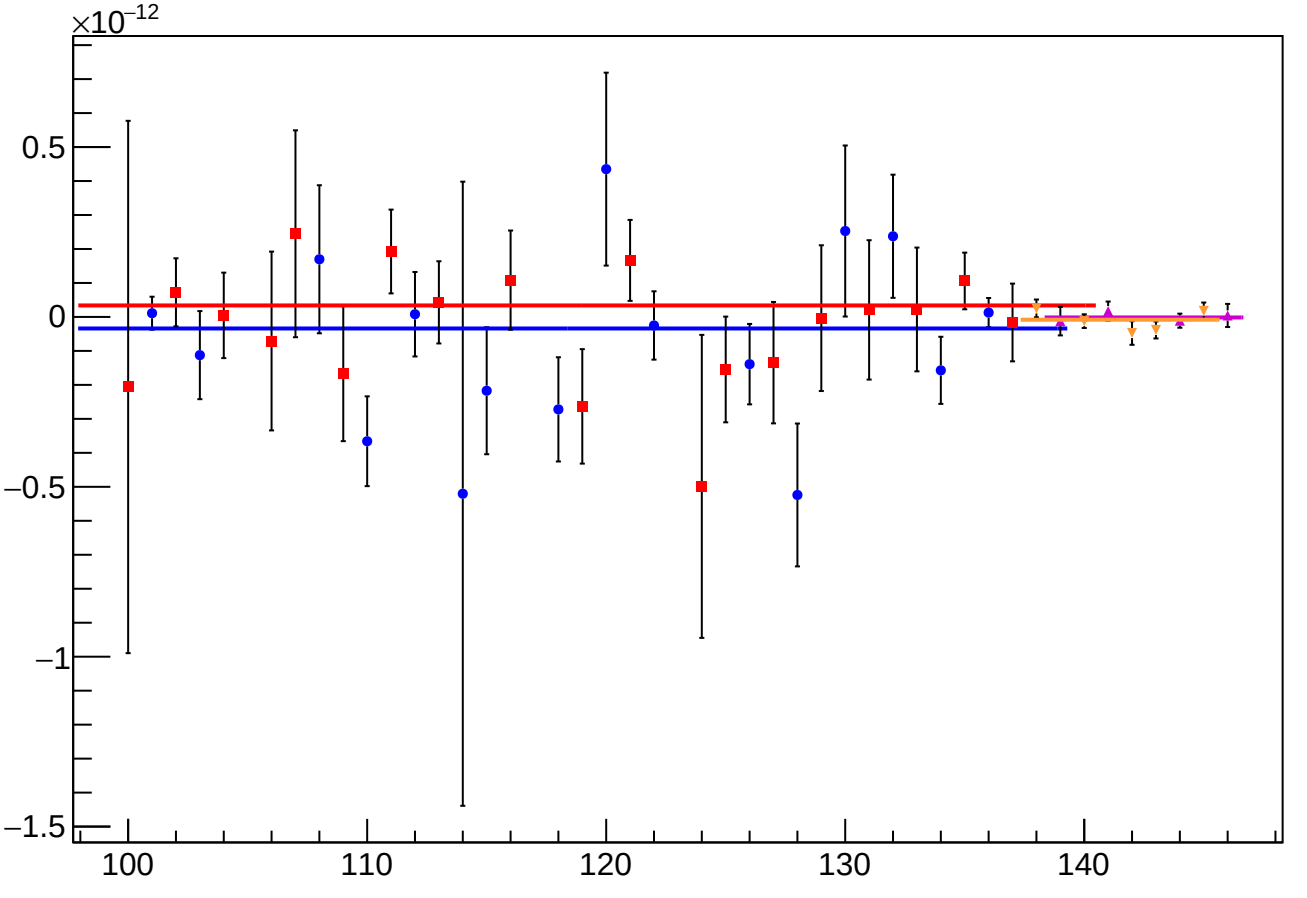
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 880.357+/-0.336 χ^2/NDF:151750.8/3

+ sign 1074.470+/-0.244 χ^2/NDF: 2178391.5/20

All: 1108.167+/-0.177 χ^2/NDF: 4397681.5/43

- sign 1145.897+/-0.258 χ^2/NDF: 2178844.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

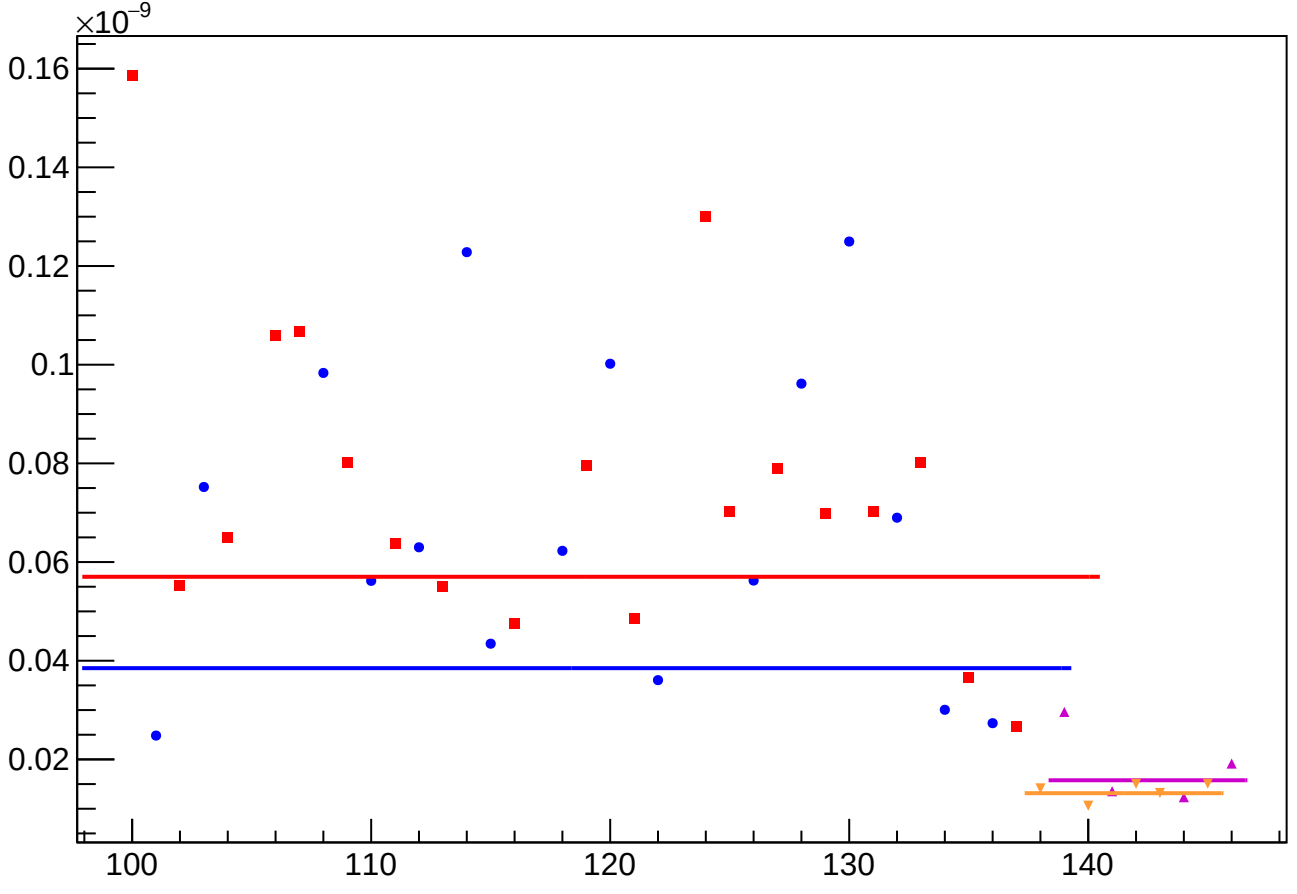
Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/20

All: -0.000+/-0.000 χ^2/NDF: 49.4/43

- sign 0.000+/-0.000 χ^2/NDF: 14.7/22

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52817.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

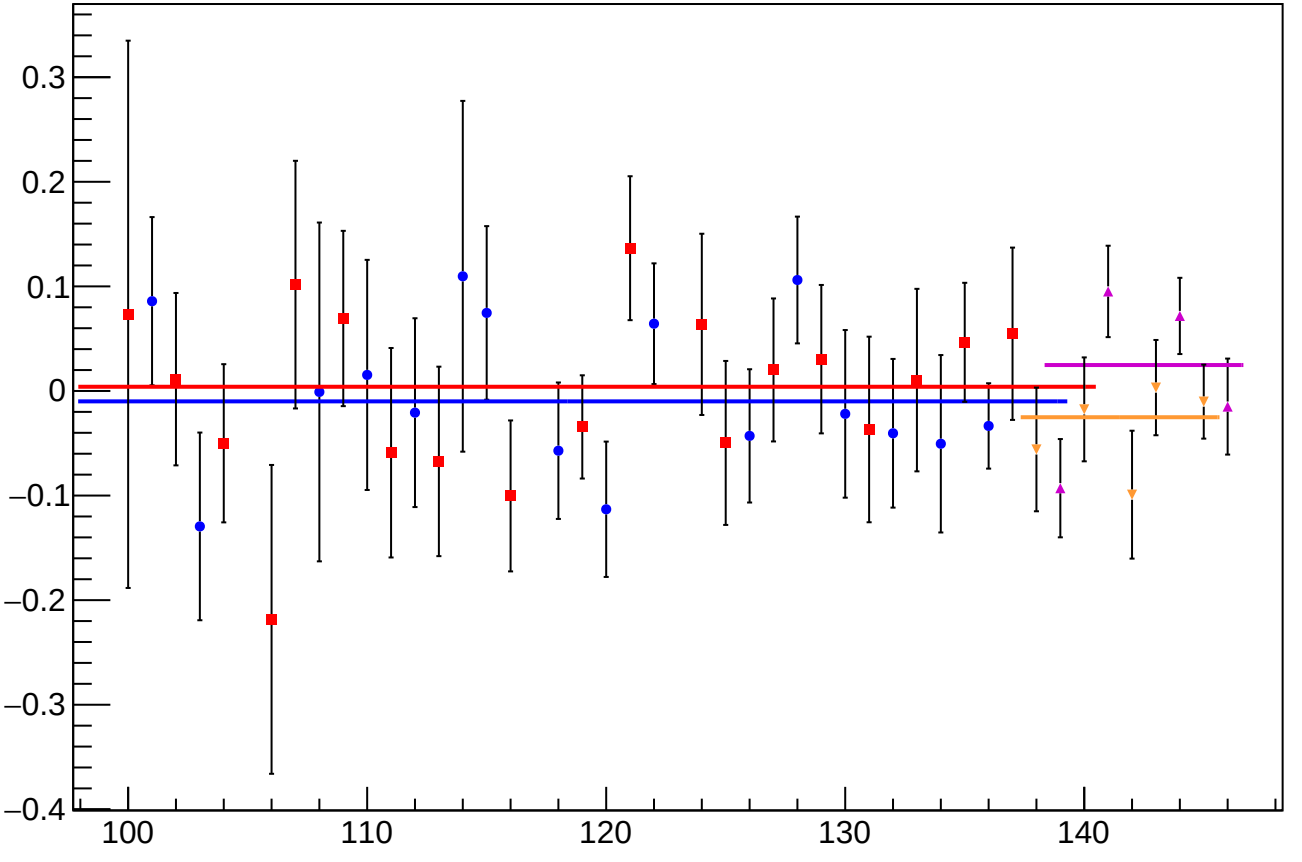
Left In: 0.000+/-0.000 χ^2/NDF:304455.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 3141553.8/20

All: 0.000+/-0.000 χ^2/NDF: 6792453.8/43

- sign 0.000+/-0.000 χ^2/NDF: 3500427.4/22

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: -0.025+/-0.021 χ^2/NDF:2.3/4

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

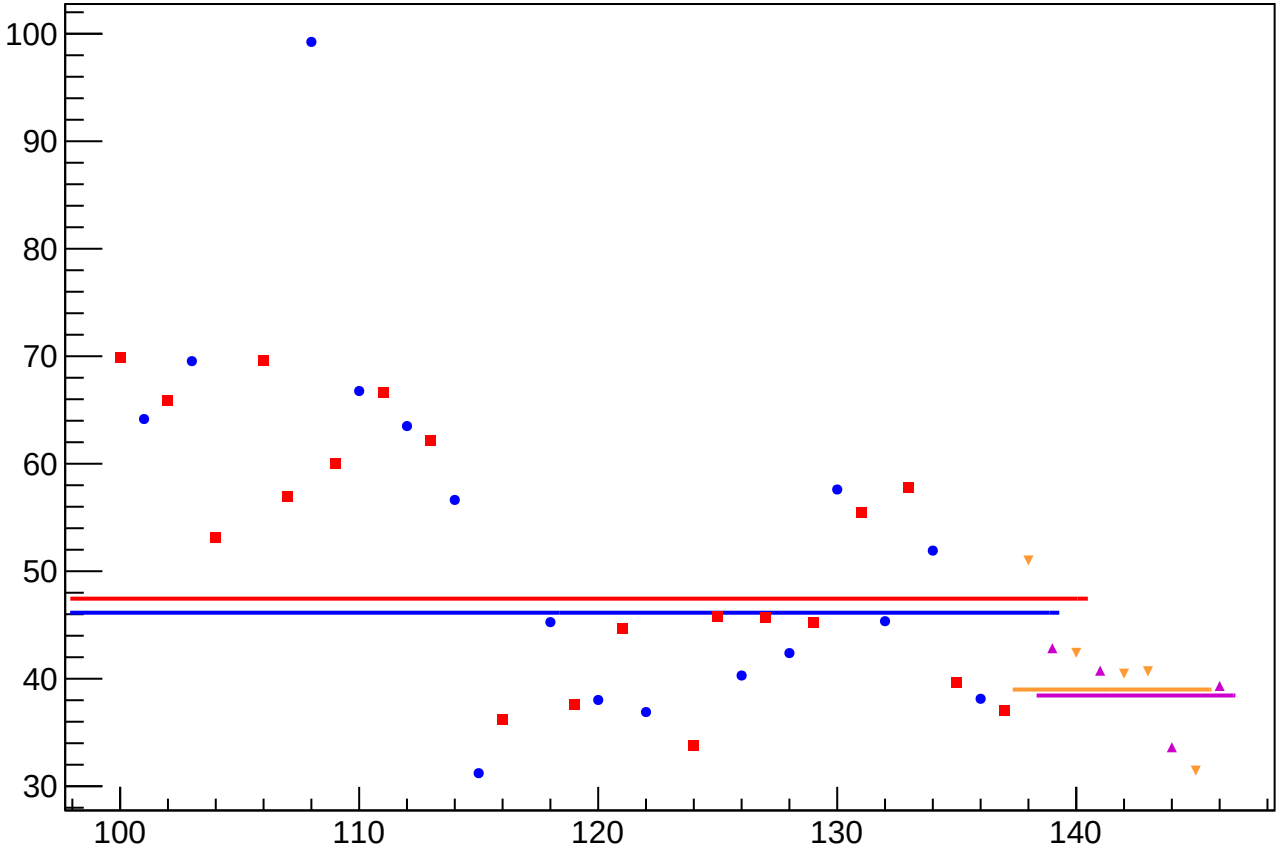
Left In: 0.025+/-0.021 χ^2/NDF:11.3/3

+ sign -0.016+/-0.014 χ^2/NDF: 16.9/20

All: -0.002+/-0.010 χ^2/NDF: 44.8/43

- sign 0.013+/-0.014 χ^2/NDF: 25.7/22

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: 38.995+/-0.015 χ^2/NDF:186749.2/4

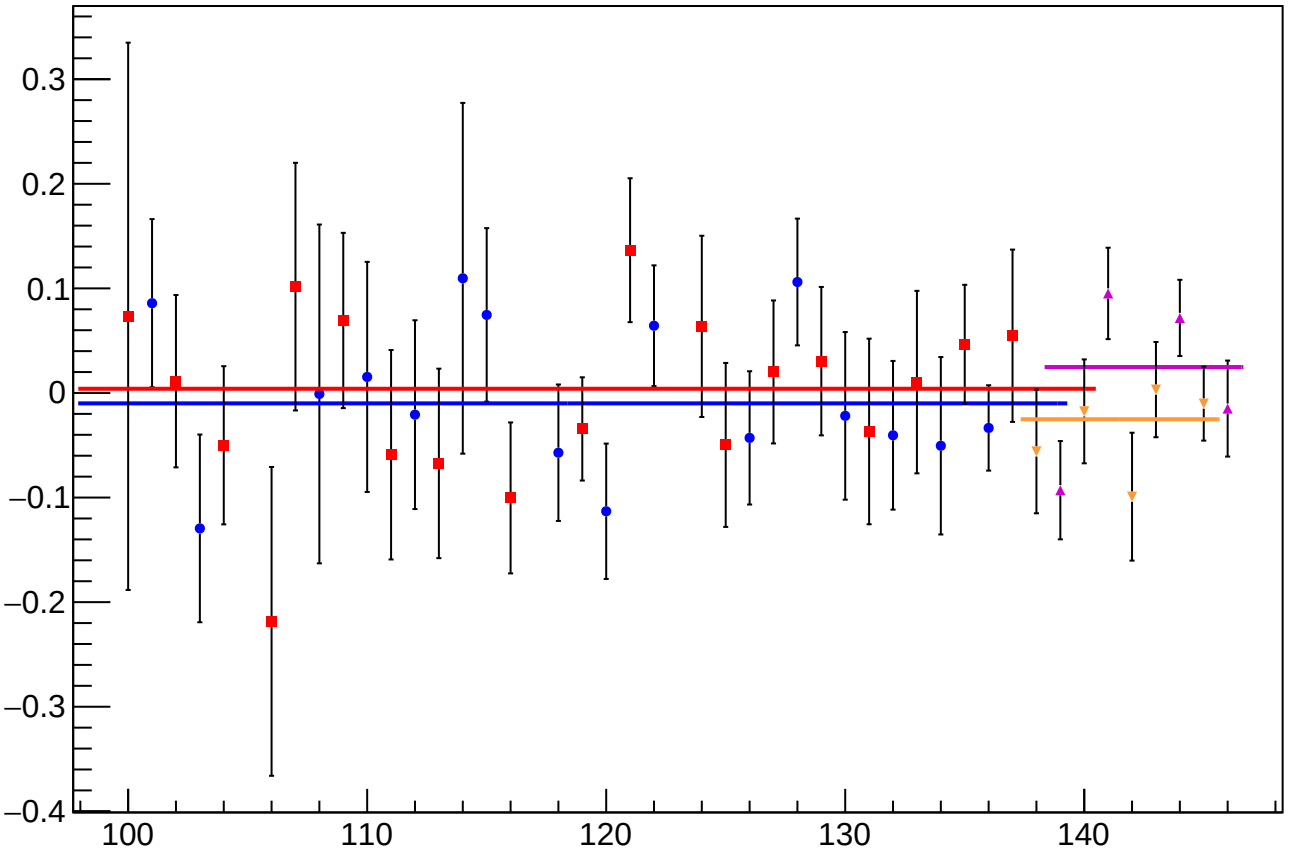
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.439+/-0.015 χ^2/NDF:58753.8/3

+ sign 43.138+/-0.010 χ^2/NDF: 1222632.7/20

All: 43.404+/-0.007 χ^2/NDF: 2145486.5/43

- sign 43.673+/-0.010 χ^2/NDF: 921334.7/22



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.025+/-0.021 χ^2/NDF:2.3/4

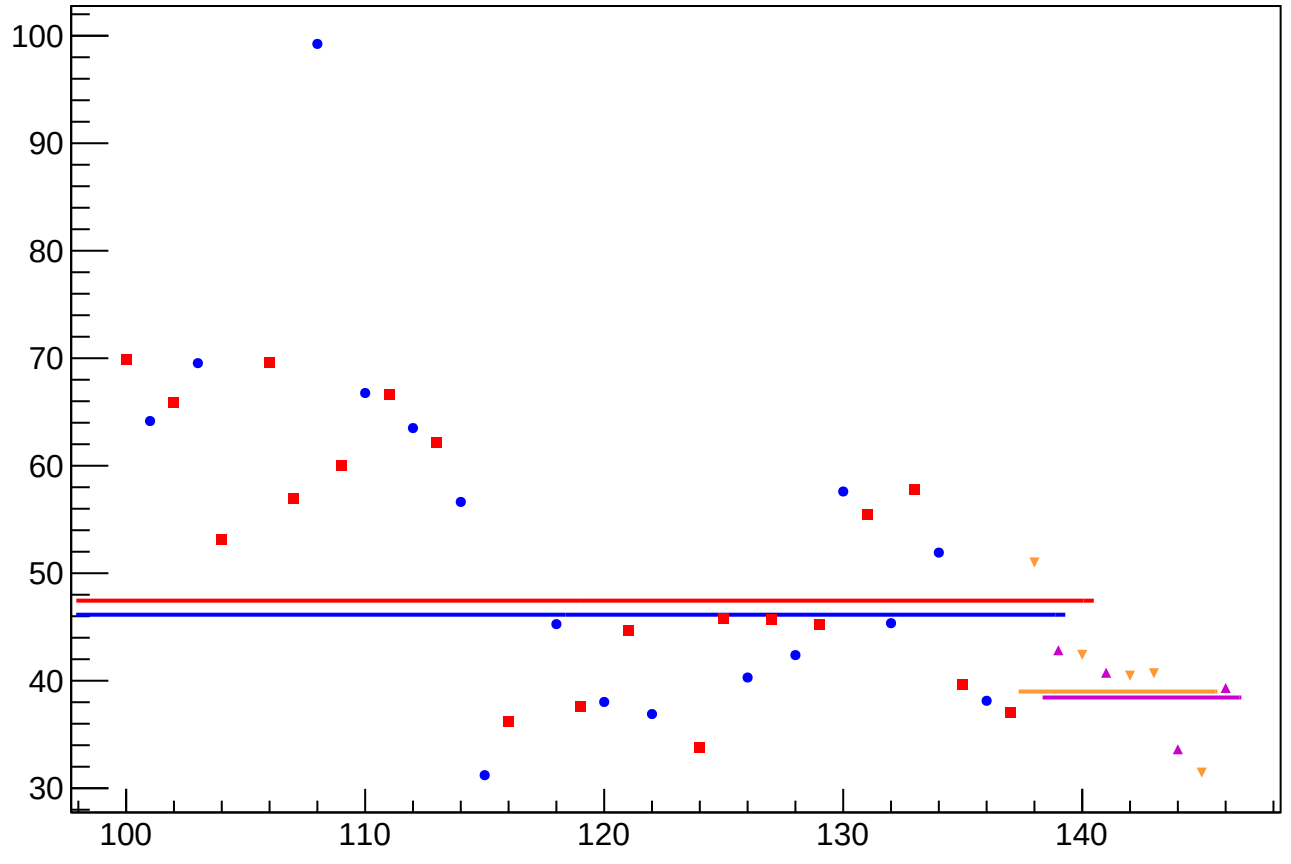
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.021 χ^2/NDF:11.3/3

+ sign -0.016+/-0.014 χ^2/NDF: 16.9/20

All: -0.002+/-0.010 χ^2/NDF: 44.8/43

- sign 0.013+/-0.014 χ^2/NDF: 25.7/22



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.995+/-0.015 χ^2/NDF:186749.2/4

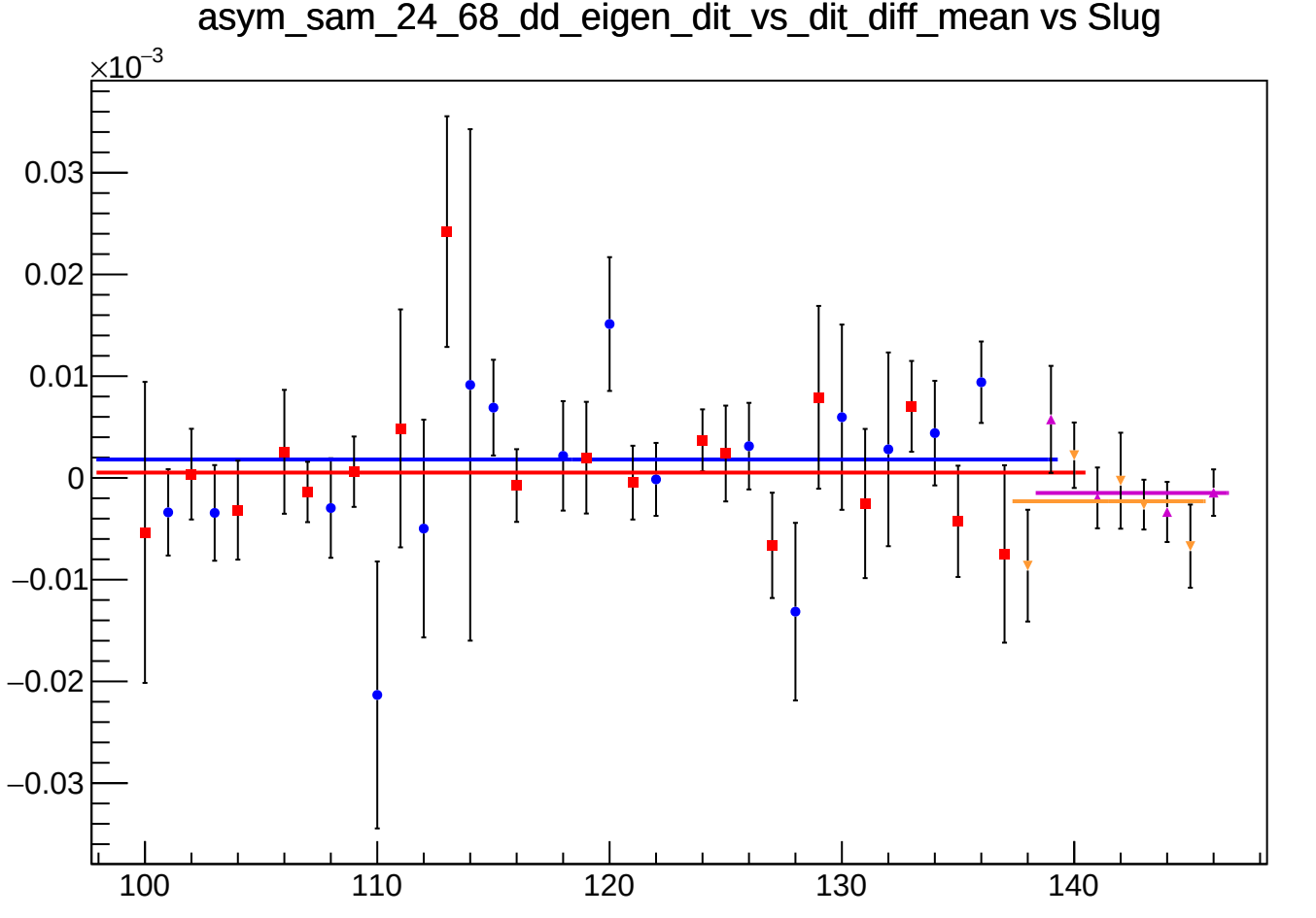
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

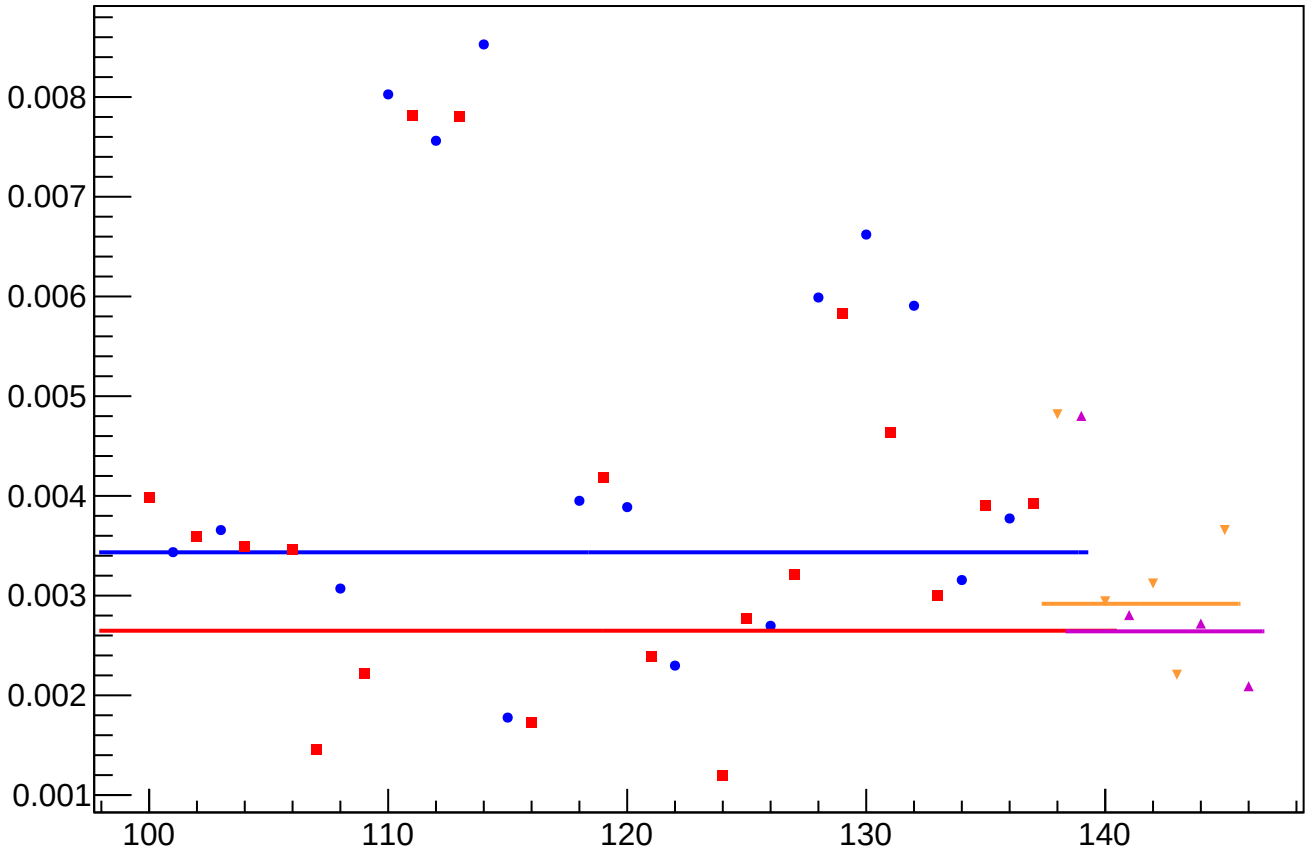
Left In: 38.439+/-0.015 χ^2/NDF:58753.8/3

+ sign 43.138+/-0.010 χ^2/NDF: 1222632.7/20

All: 43.404+/-0.007 χ^2/NDF: 2145486.5/43

- sign 43.673+/-0.010 χ^2/NDF: 921334.7/22


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 13.8/18
Left In: -0.000+/-0.000 χ²/NDF:2.3/3
+ sign 0.000+/-0.000 χ²/NDF: 28.5/20
All: -0.000+/-0.000 χ²/NDF: 45.8/43
- sign -0.000+/-0.000 χ²/NDF: 17.3/22



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:477800.7/4

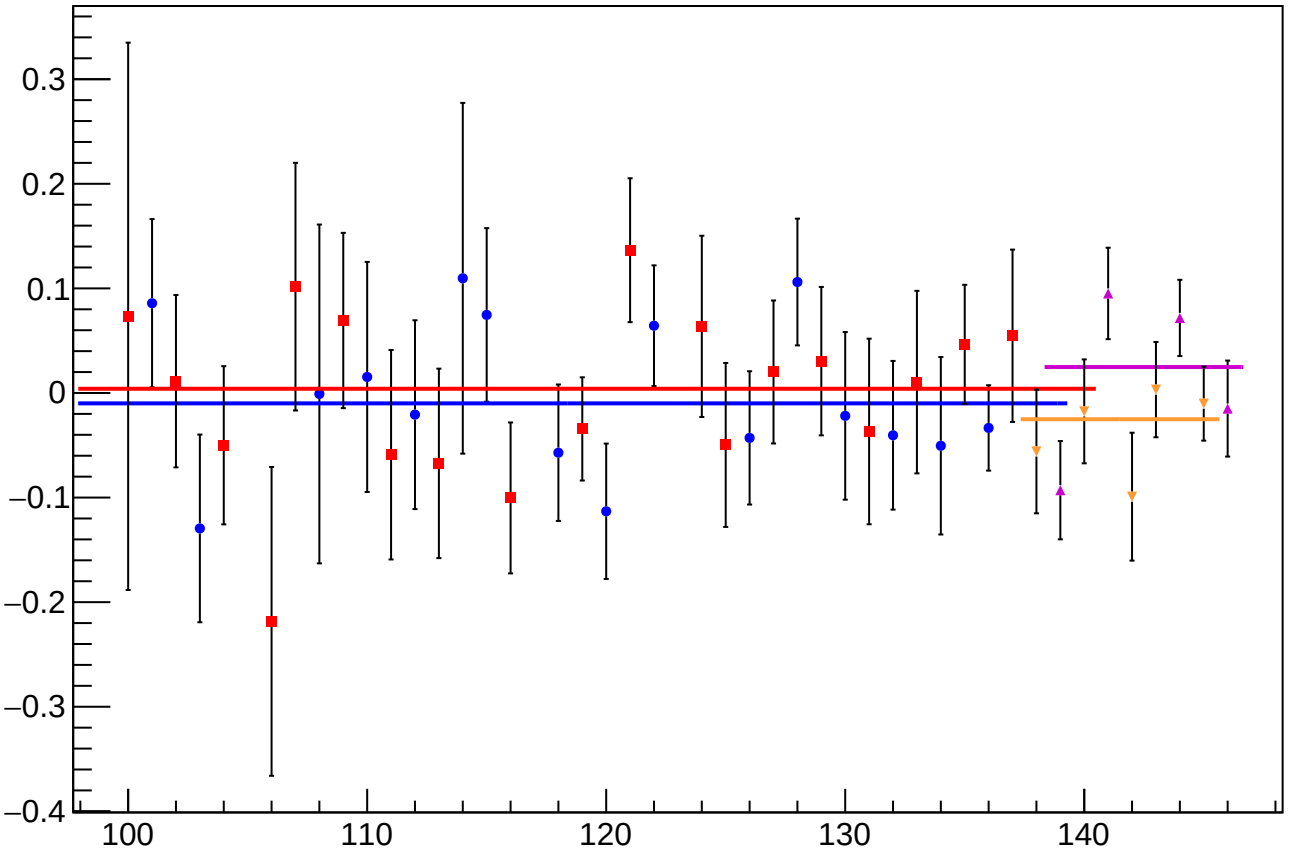
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:460687.7/3

+ sign 0.003+/-0.000 χ^2/NDF: 2348207.4/20

All: 0.003+/-0.000 χ^2/NDF: 5853529.8/43

- sign 0.003+/-0.000 χ^2/NDF: 3157583.5/22



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.025+/-0.021 χ^2/NDF:2.3/4

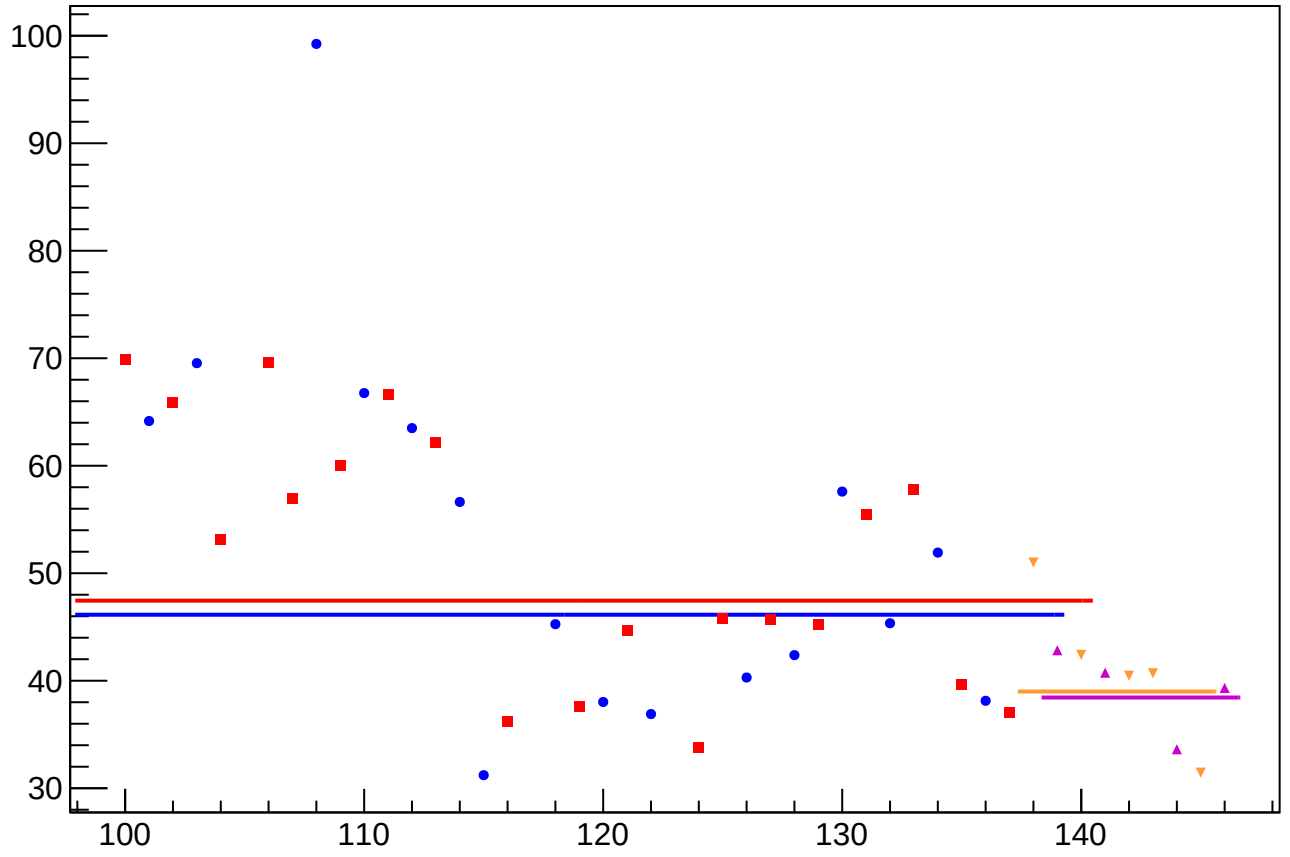
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.021 χ^2/NDF:11.3/3

+ sign -0.016+/-0.014 χ^2/NDF: 16.9/20

All: -0.002+/-0.010 χ^2/NDF: 44.8/43

- sign 0.013+/-0.014 χ^2/NDF: 25.7/22



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.995+/-0.015 χ^2/NDF:186745.0/4

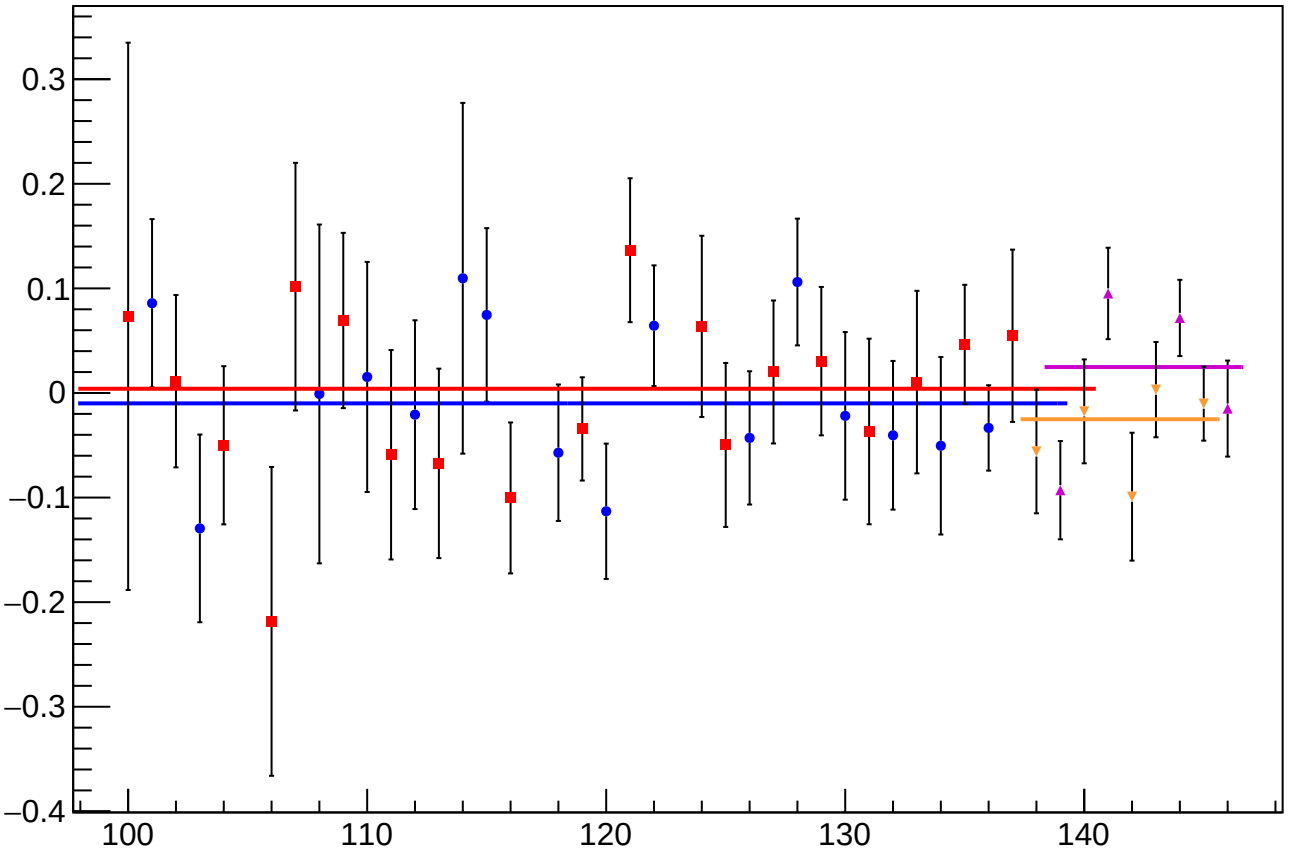
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.439+/-0.015 χ^2/NDF:58750.2/3

+ sign 43.137+/-0.010 χ^2/NDF: 1222544.3/20

All: 43.403+/-0.007 χ^2/NDF: 2145352.0/43

- sign 43.673+/-0.010 χ^2/NDF: 921288.2/22



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.025+/-0.021 χ^2/NDF:2.3/4

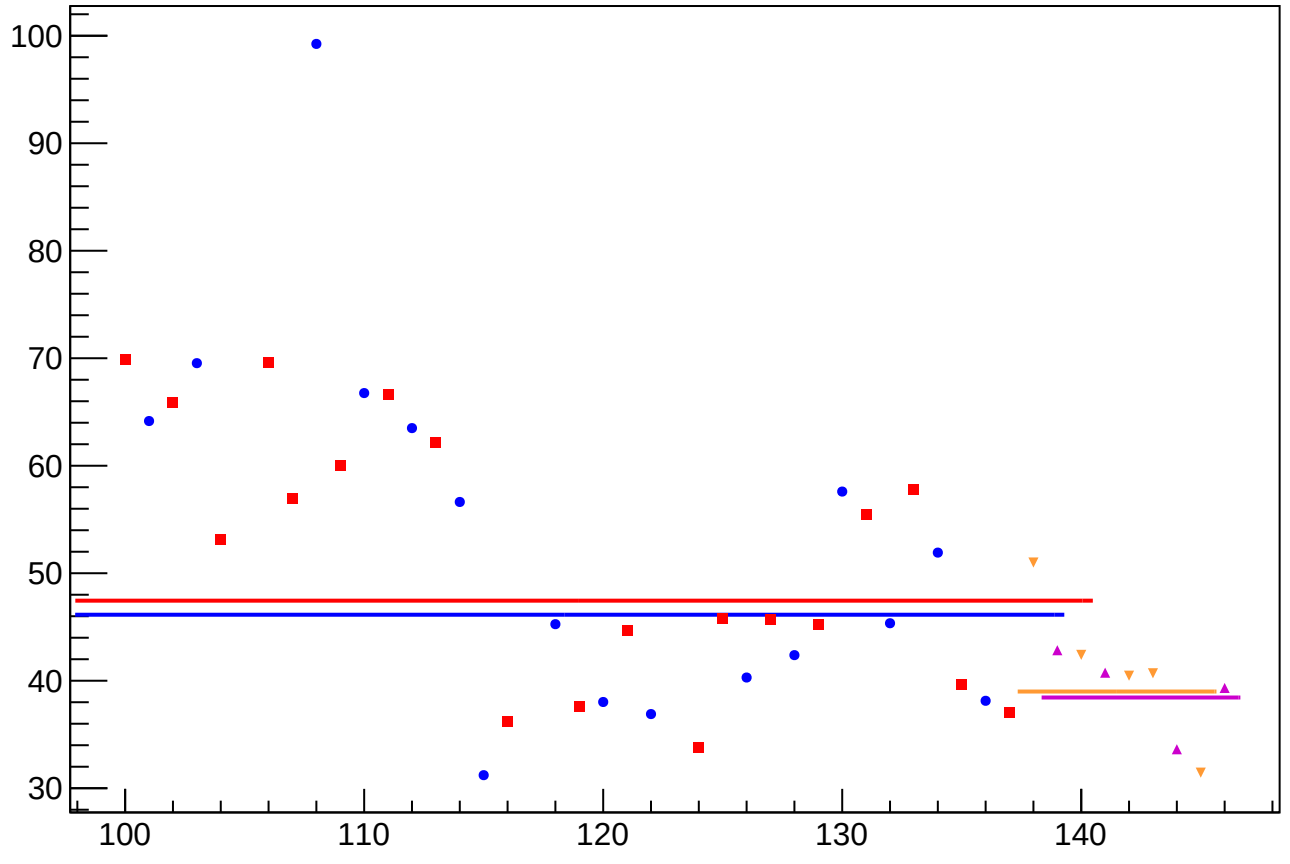
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.025+/-0.021 χ^2/NDF:11.3/3

+ sign -0.016+/-0.014 χ^2/NDF: 16.9/20

All: -0.002+/-0.010 χ^2/NDF: 44.8/43

- sign 0.013+/-0.014 χ^2/NDF: 25.7/22



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.995+/-0.015 χ^2/NDF:186745.0/4

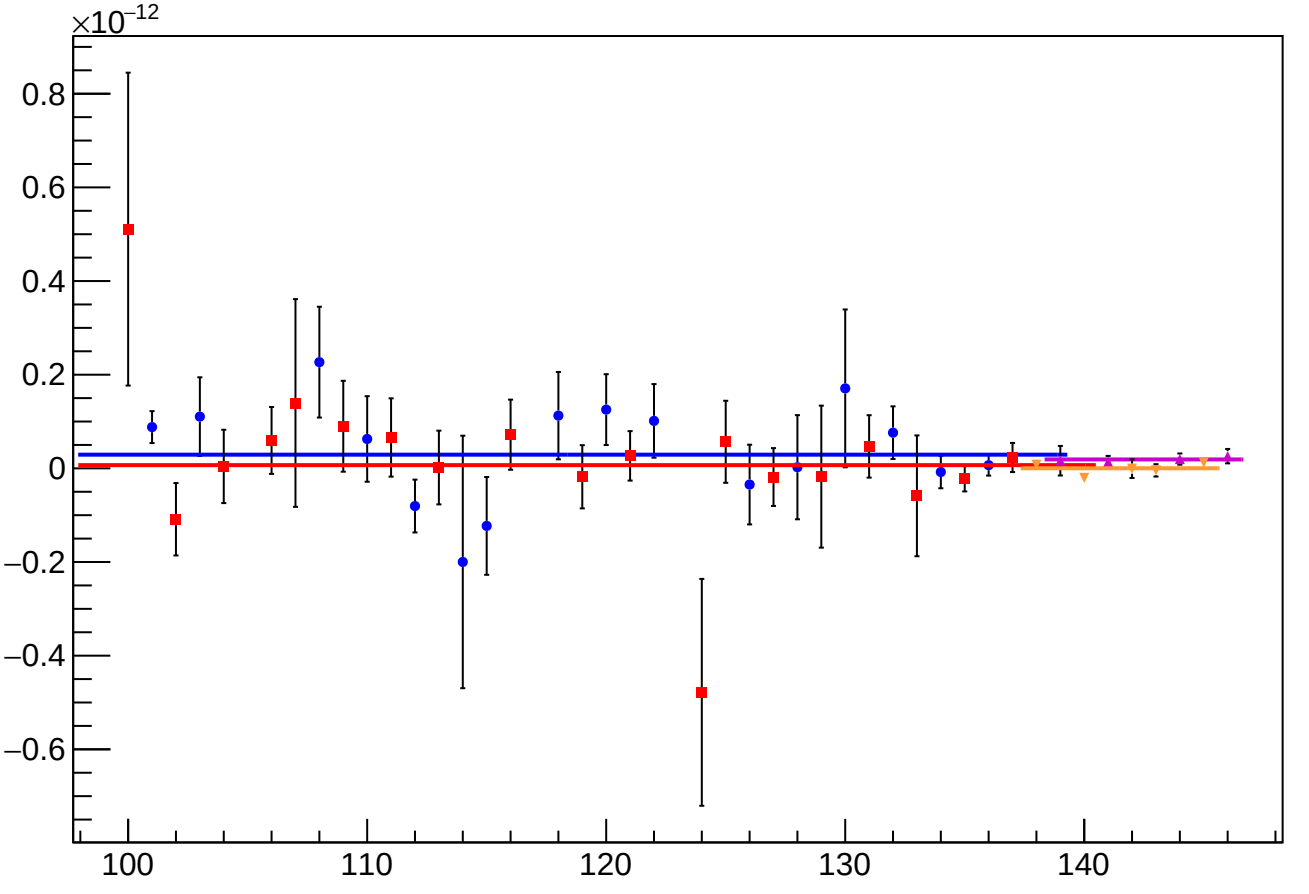
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.439+/-0.015 χ^2/NDF:58750.2/3

+ sign 43.137+/-0.010 χ^2/NDF: 1222544.3/20

All: 43.403+/-0.007 χ^2/NDF: 2145352.0/43

- sign 43.673+/-0.010 χ^2/NDF: 921288.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/4

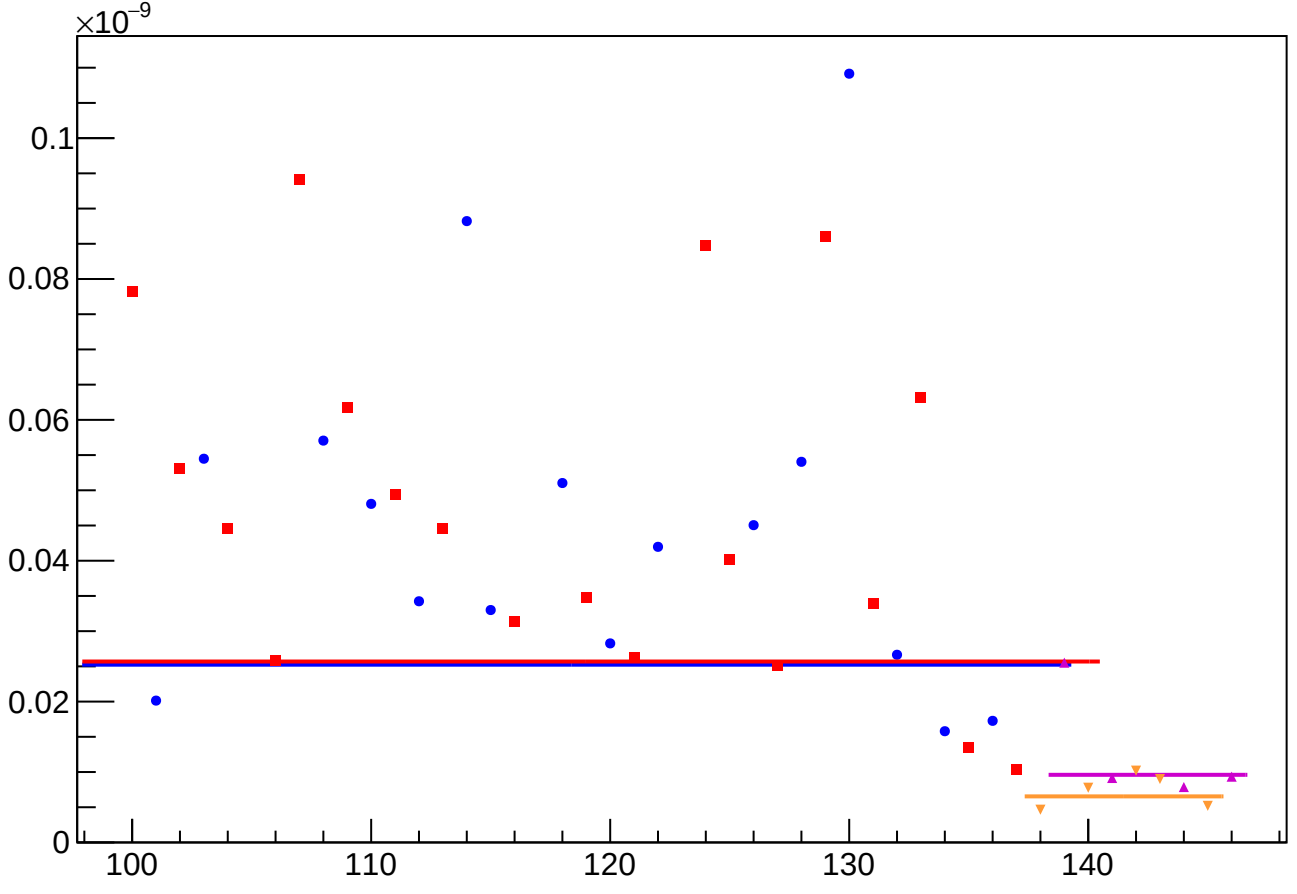
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/20

All: 0.000+/-0.000 χ^2/NDF: 48.7/43

- sign 0.000+/-0.000 χ^2/NDF: 15.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:279389.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

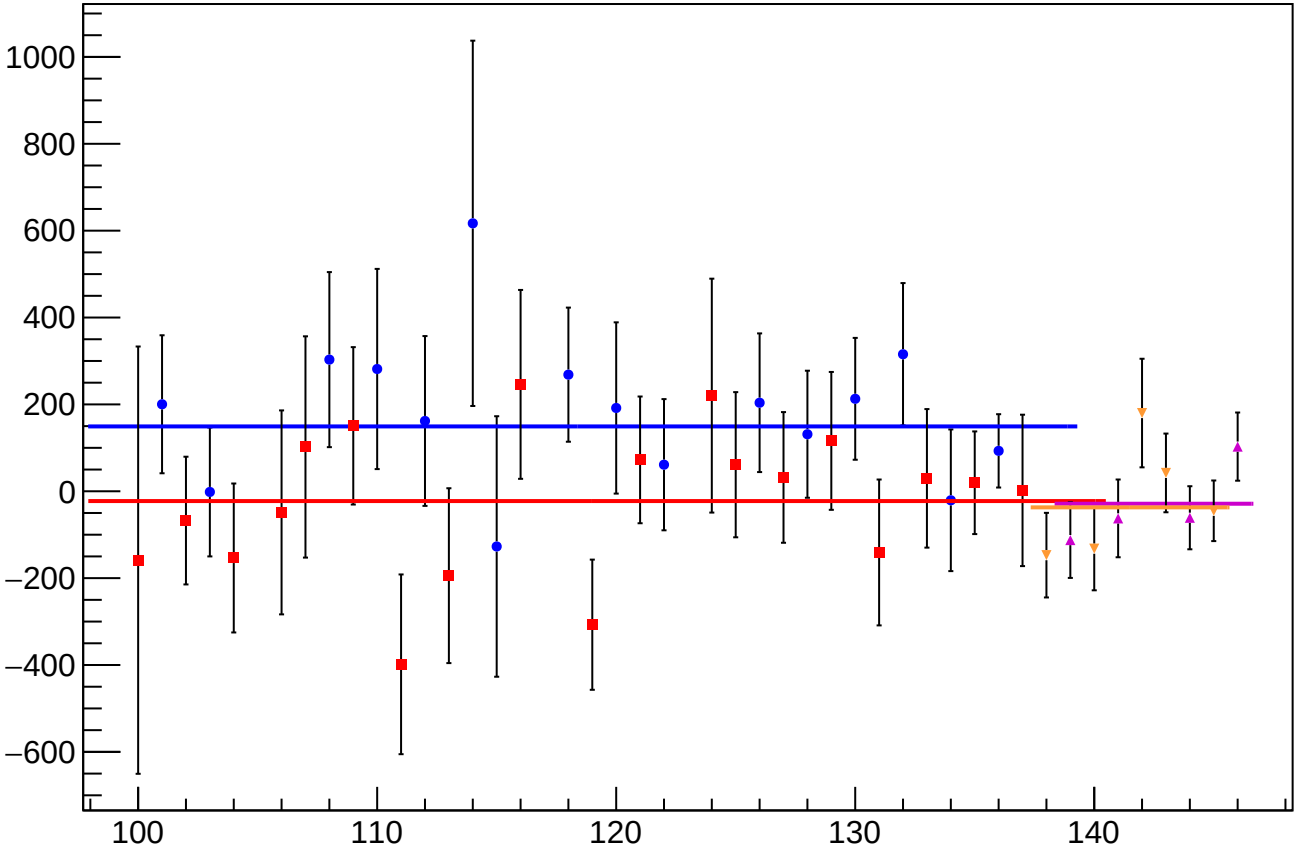
Left In: 0.000+/-0.000 χ^2/NDF:554210.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5748812.8/20

All: 0.000+/-0.000 χ^2/NDF: 11594733.6/43

- sign 0.000+/-0.000 χ^2/NDF: 5333055.1/22

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -37.064+/-40.638 χ^2/NDF:6.1/4

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

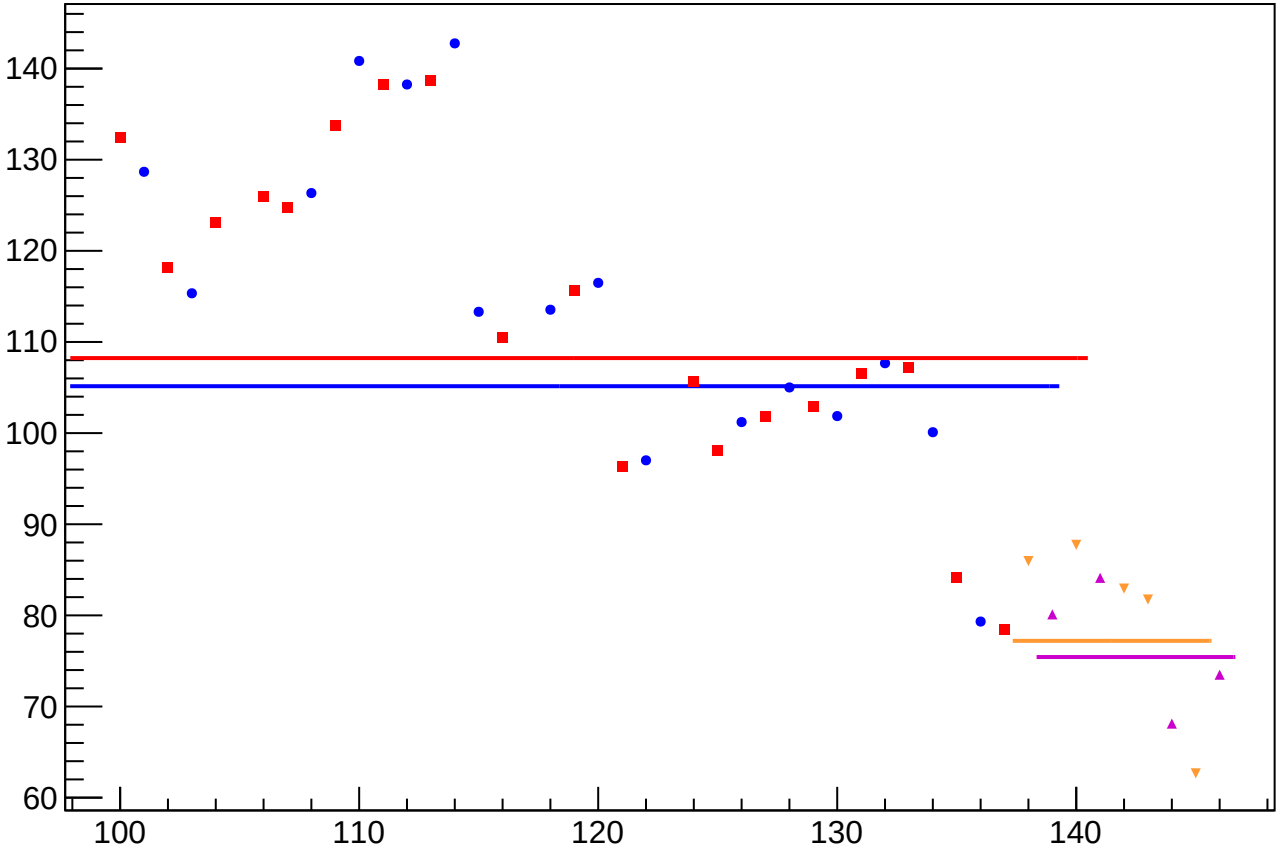
Left In: -28.698+/-40.538 χ^2/NDF:4.1/3

+ sign 58.325+/-28.393 χ^2/NDF: 24.8/20

All: 16.538+/-20.118 χ^2/NDF: 47.5/43

- sign -25.590+/-28.509 χ^2/NDF: 18.3/22

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 77.208+/-0.029 χ^2/NDF:136412.8/4

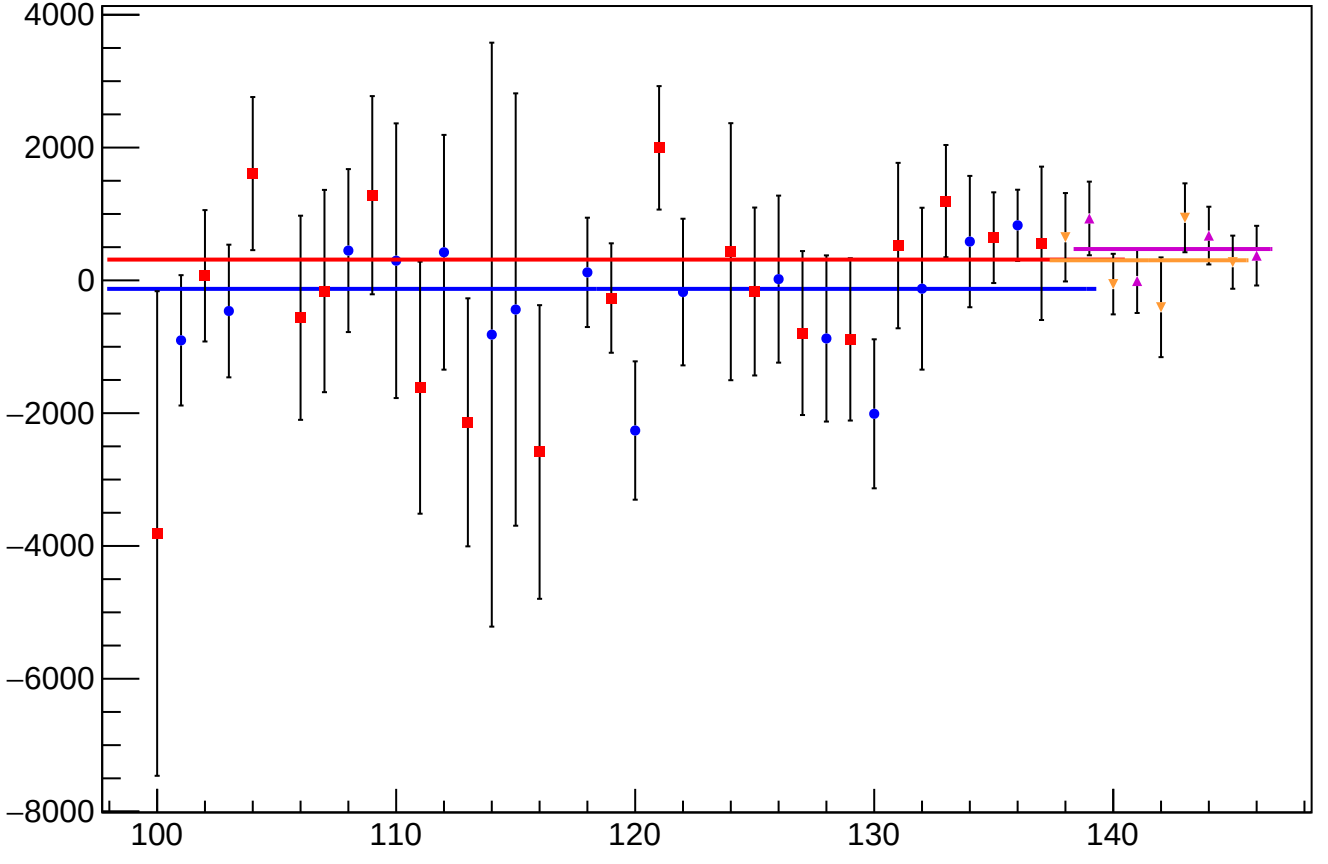
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

+ sign 91.508+/-0.020 χ^2/NDF: 1028653.7/20

All: 91.757+/-0.014 χ^2/NDF: 2086891.7/43

- sign 92.009+/-0.020 χ^2/NDF: 1057927.5/22



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 302.548+/-230.658 χ^2/NDF:3.3/4

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

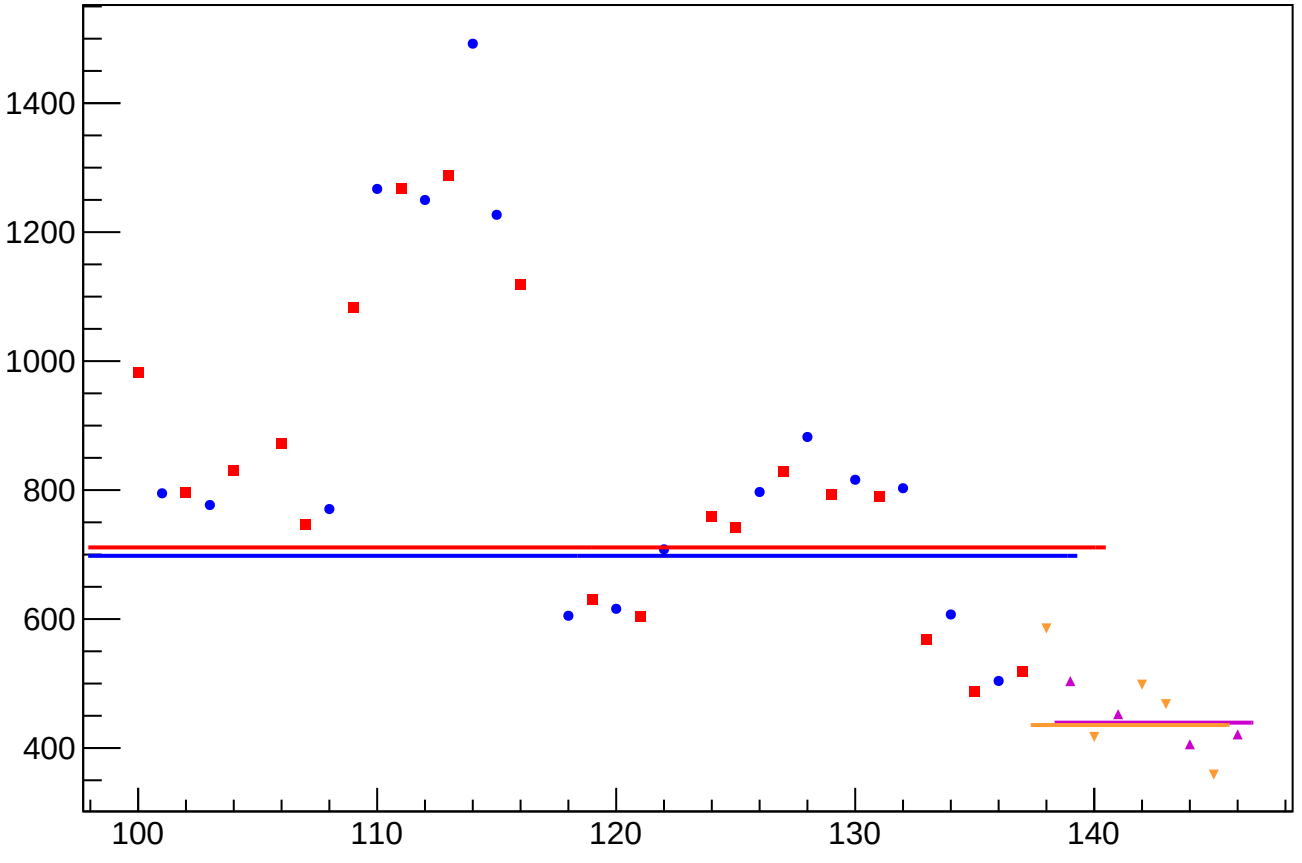
Left In: 471.960+/-237.018 χ^2/NDF:2.0/3

\+ sign 119.791+/-174.993 χ^2/NDF: 17.1/20

All: 258.772+/-124.844 χ^2/NDF: 35.5/43

\- sign 402.828+/-178.160 χ^2/NDF: 17.1/22

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 435.678+/-0.163 χ^2/NDF:200132.8/4

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

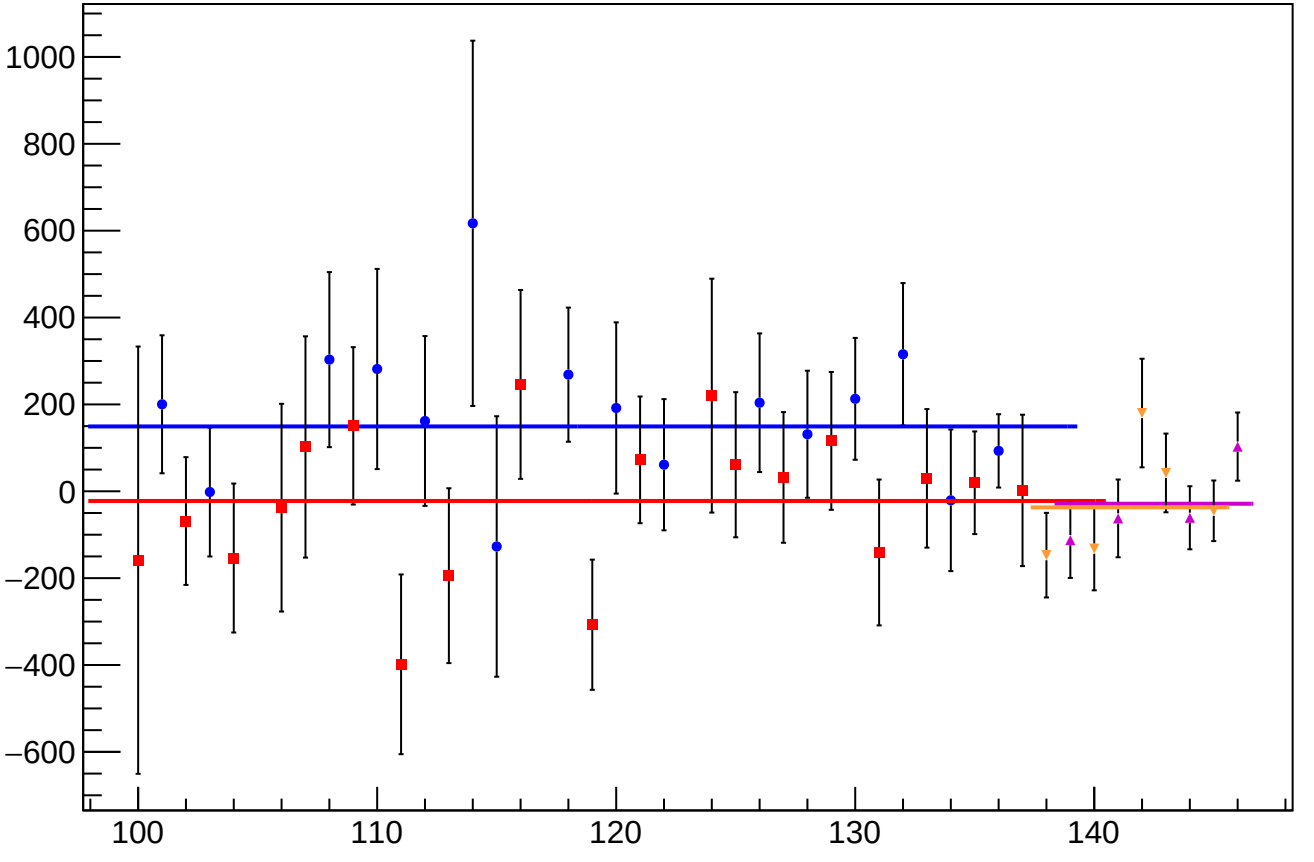
Left In: 439.345+/-0.168 χ^2/NDF:43673.8/3

+ sign 547.036+/-0.124 χ^2/NDF: 2211324.8/20

All: 552.198+/-0.088 χ^2/NDF: 4437216.9/43

- sign 557.549+/-0.126 χ^2/NDF: 2222347.7/22

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -37.073+/-40.638 χ^2/NDF:6.1/4

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

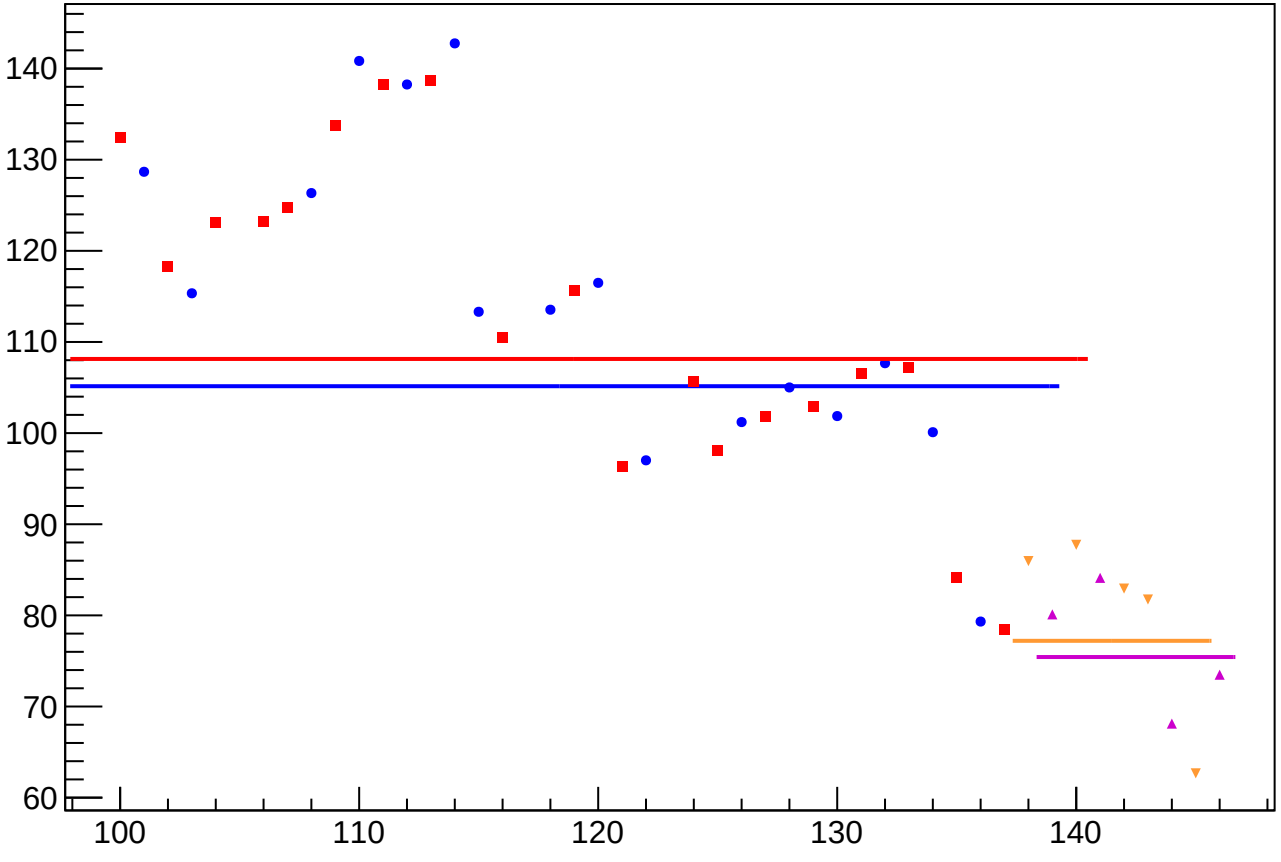
Left In: -28.695+/-40.538 χ^2/NDF:4.1/3

\+ sign 58.316+/-28.393 χ^2/NDF: 24.8/20

All: 16.608+/-20.120 χ^2/NDF: 47.5/43

\- sign -25.463+/-28.517 χ^2/NDF: 18.3/22

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 77.208+/-0.029 χ^2/NDF:136412.8/4

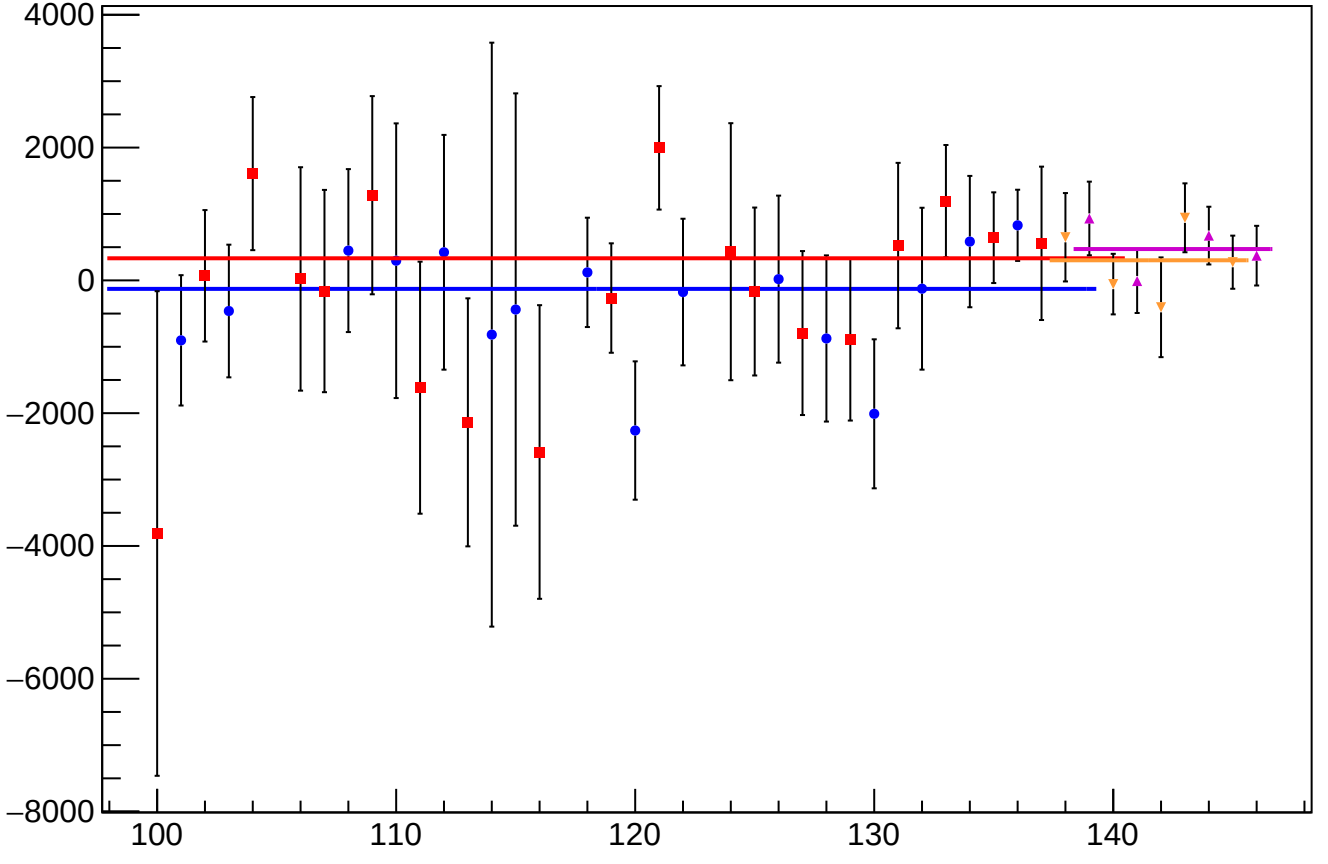
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

+ sign 91.508+/-0.020 χ^2/NDF: 1028654.1/20

All: 91.729+/-0.014 χ^2/NDF: 2078967.8/43

- sign 91.951+/-0.020 χ^2/NDF: 1050070.7/22



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 302.540+/-230.658 χ^2/NDF:3.3/4

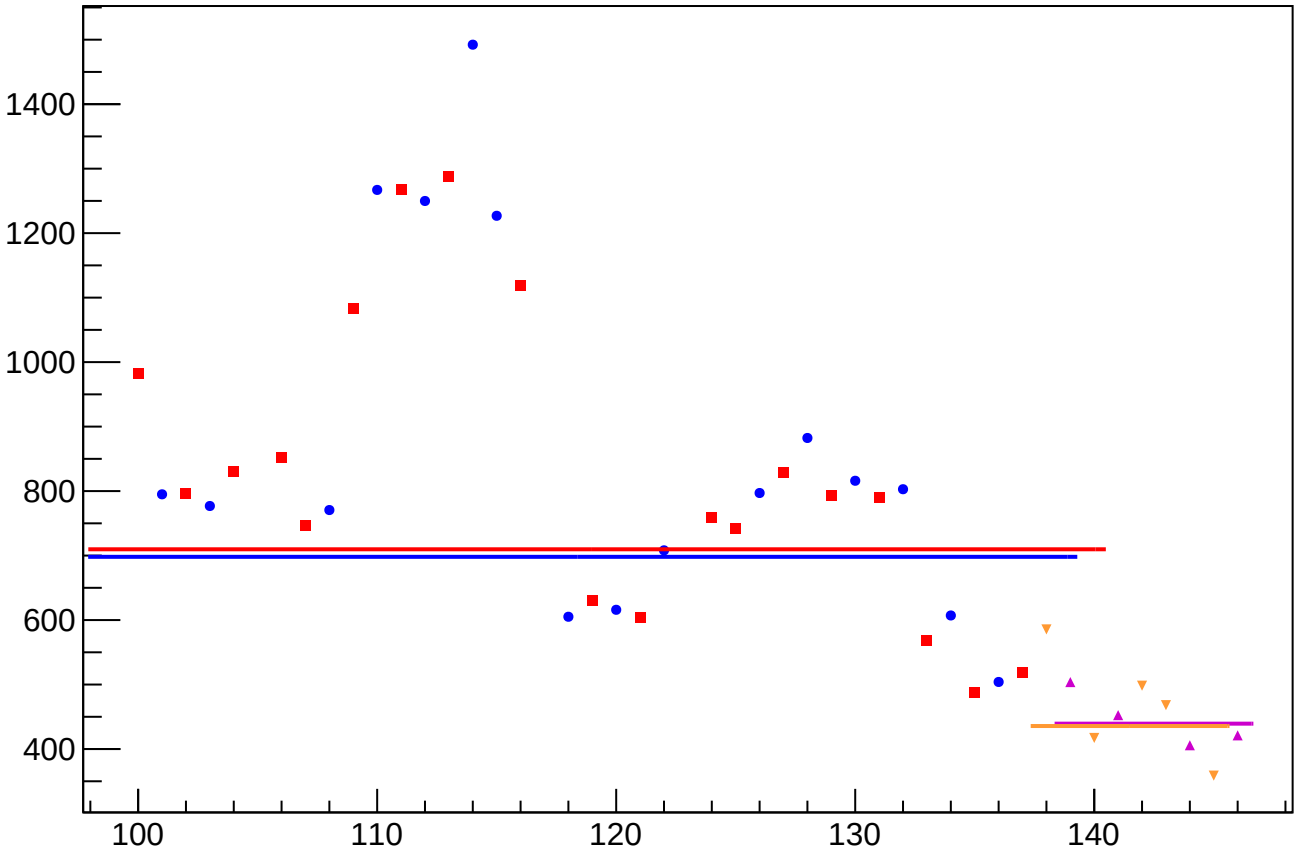
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 471.964+/-237.018 χ^2/NDF:2.0/3

+ sign 119.791+/-174.994 χ^2/NDF: 17.1/20

All: 262.889+/-124.913 χ^2/NDF: 35.3/43

- sign 411.549+/-178.362 χ^2/NDF: 16.8/22



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 435.678+/-0.163 χ^2/NDF:200134.8/4

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

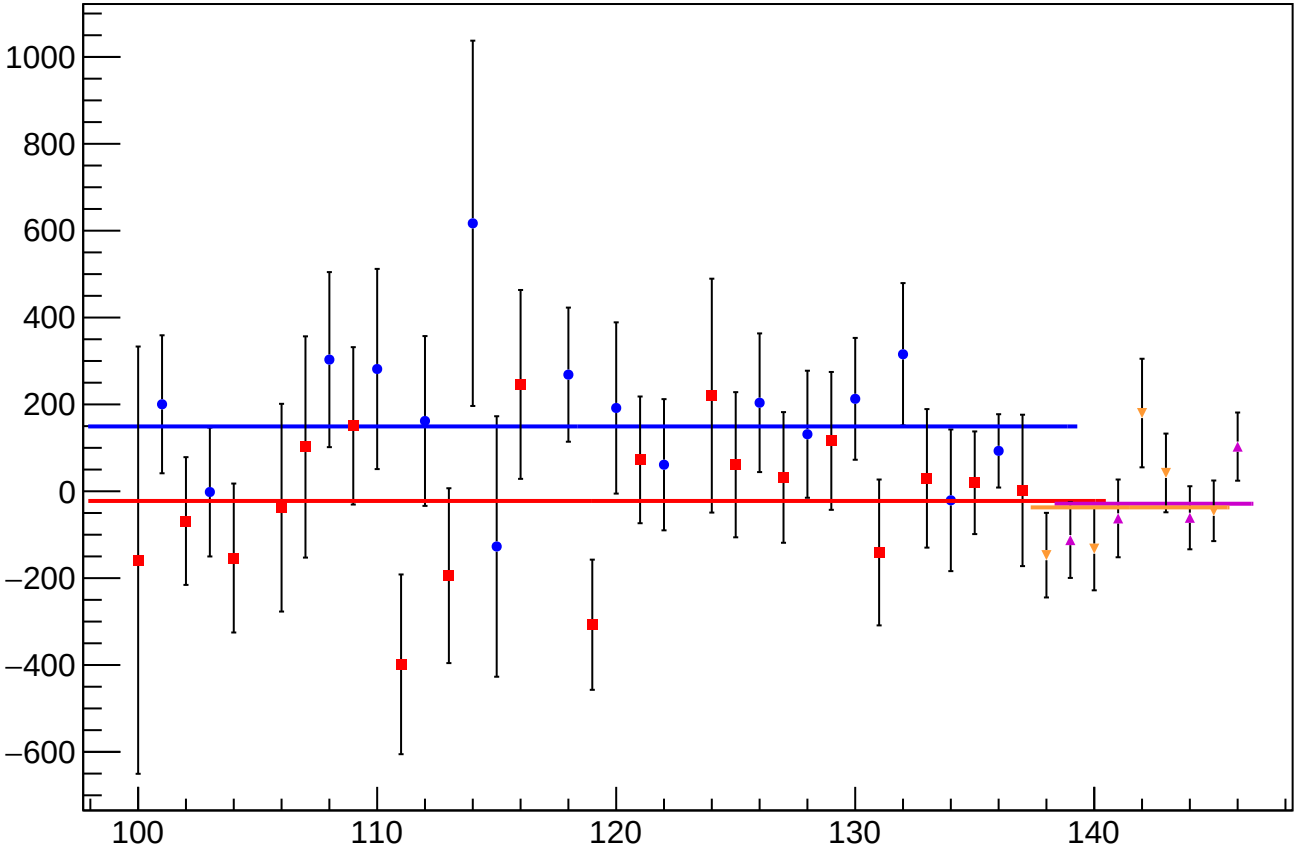
Left In: 439.345+/-0.168 χ^2/NDF:43673.4/3

+ sign 547.036+/-0.124 χ^2/NDF: 2211342.4/20

All: 551.737+/-0.088 χ^2/NDF: 4414049.7/43

- sign 556.621+/-0.126 χ^2/NDF: 2199764.5/22

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -37.073+/-40.638 χ^2/NDF:6.1/4

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

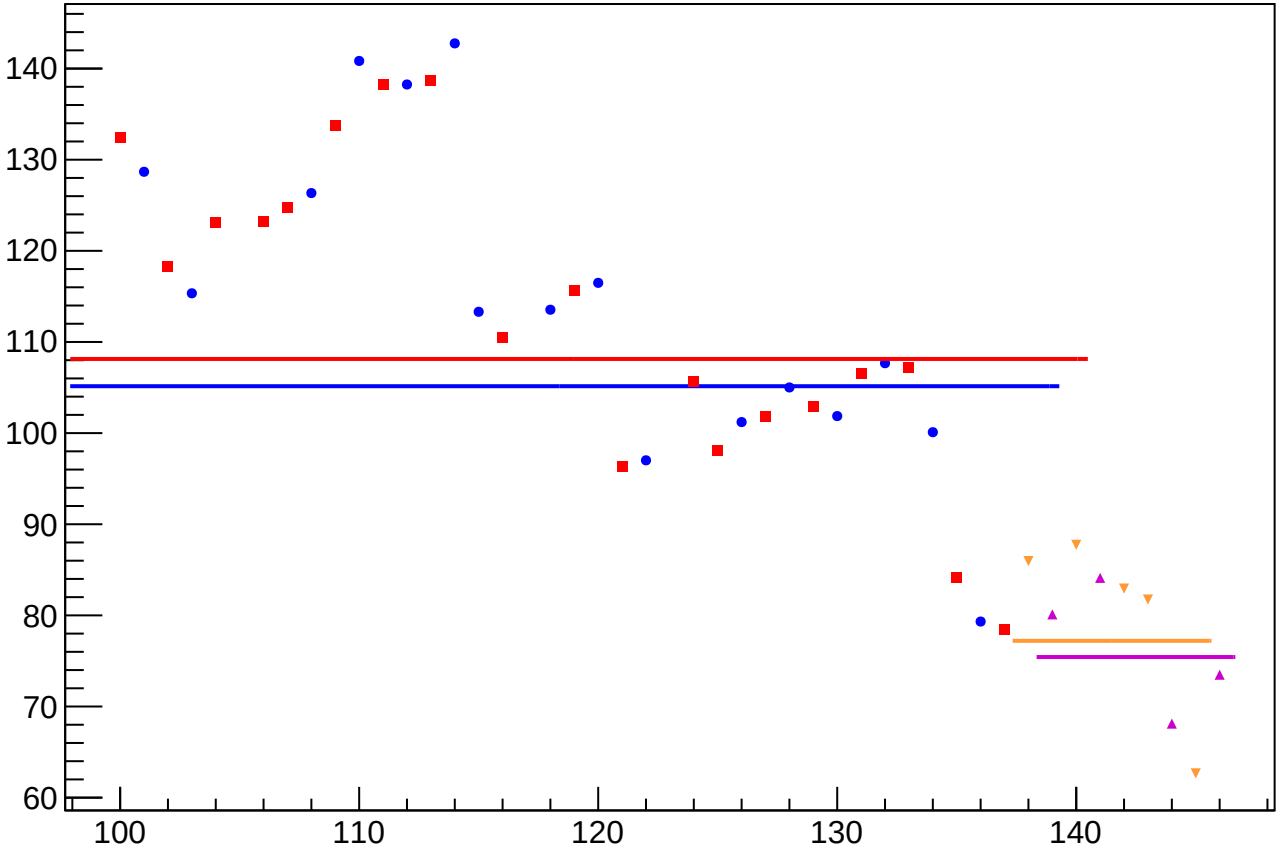
Left In: -28.695+/-40.538 χ^2/NDF:4.1/3

+ sign 58.316+/-28.393 χ^2/NDF: 24.8/20

All: 16.608+/-20.120 χ^2/NDF: 47.5/43

- sign -25.463+/-28.517 χ^2/NDF: 18.3/22

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 77.208+/-0.029 χ^2/NDF:136412.8/4

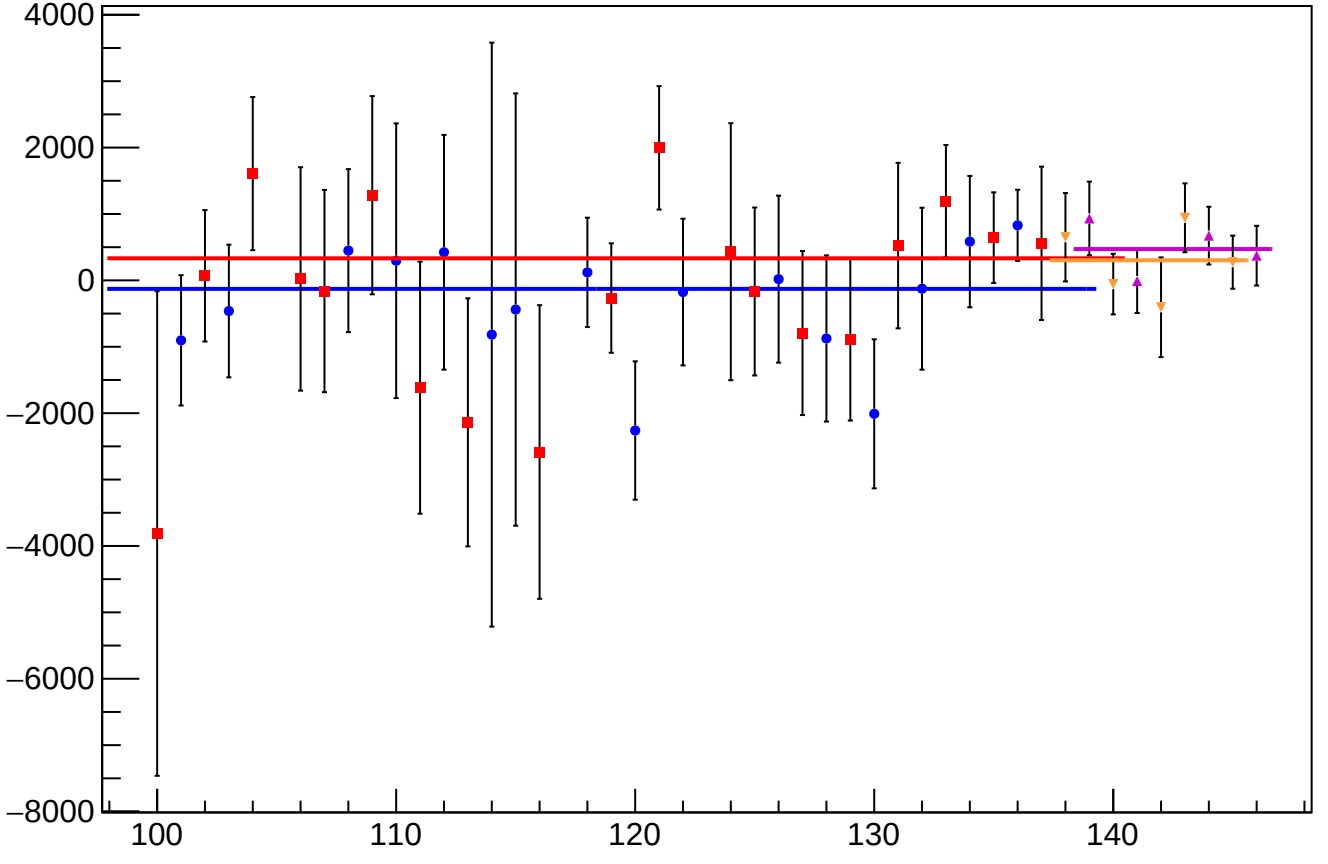
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

+ sign 91.508+/-0.020 χ^2/NDF: 1028654.1/20

All: 91.729+/-0.014 χ^2/NDF: 2078967.8/43

- sign 91.951+/-0.020 χ^2/NDF: 1050070.7/22



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 302.540+/-230.658 χ^2/NDF:3.3/4

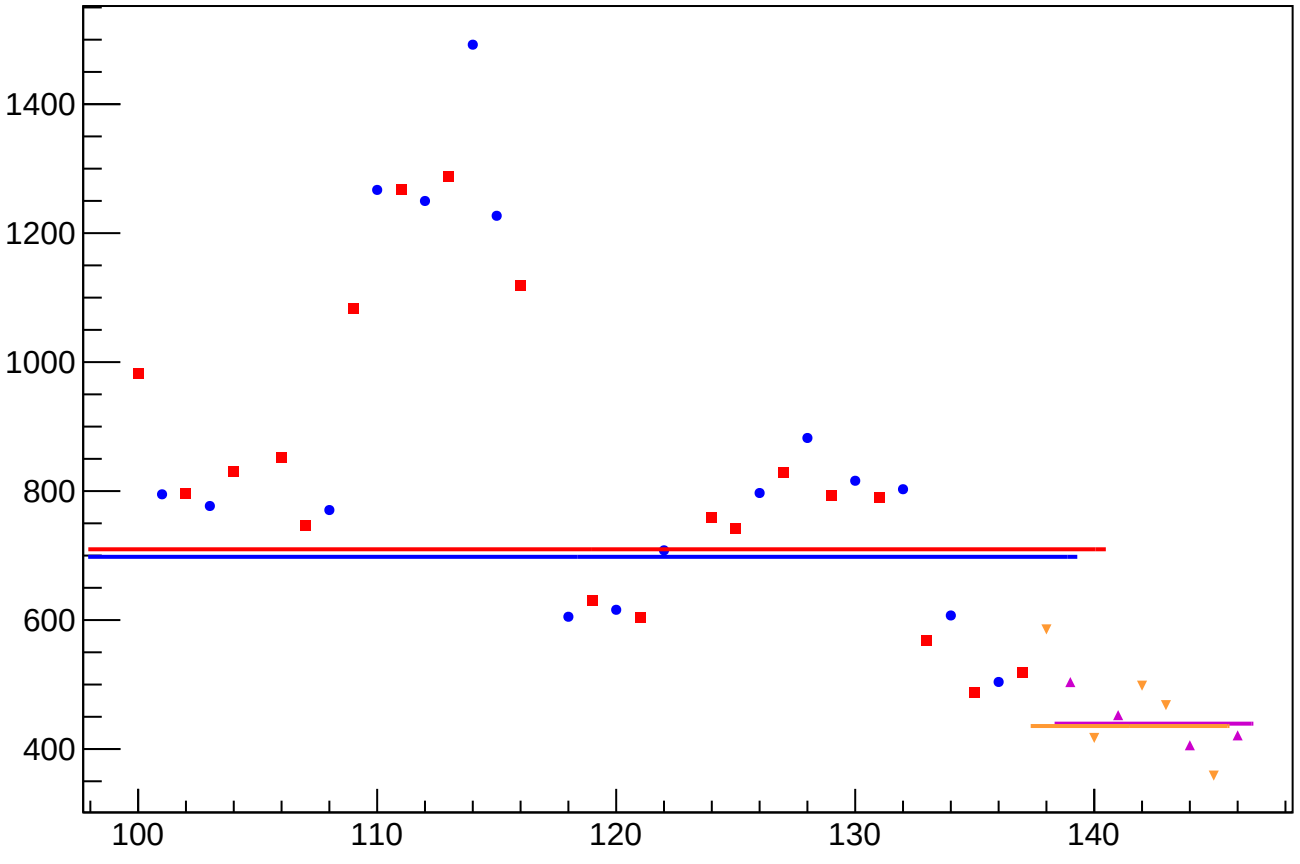
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 471.964+/-237.018 χ^2/NDF:2.0/3

+ sign 119.791+/-174.994 χ^2/NDF: 17.1/20

All: 262.889+/-124.913 χ^2/NDF: 35.3/43

- sign 411.549+/-178.362 χ^2/NDF: 16.8/22



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 435.678+/-0.163 χ^2/NDF:200134.8/4

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

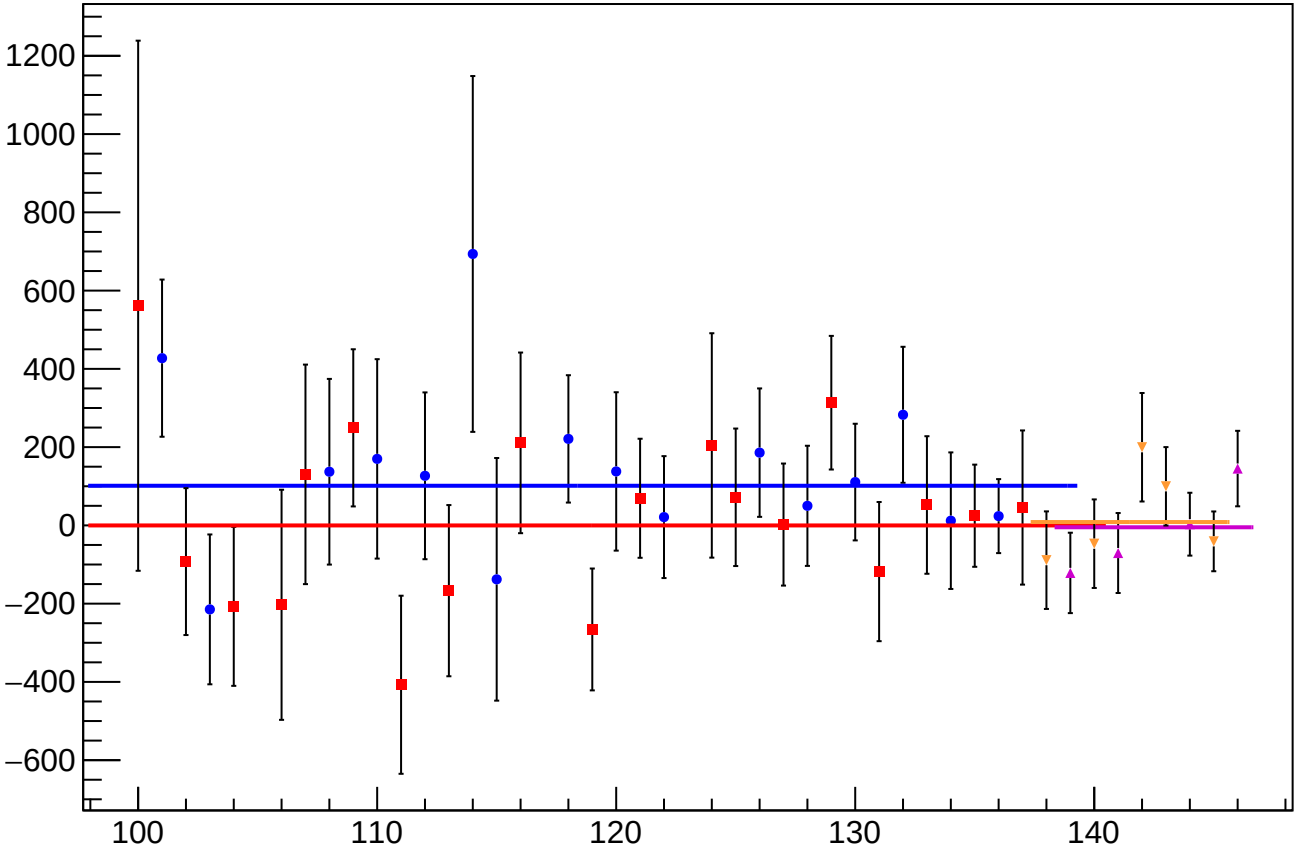
Left In: 439.345+/-0.168 χ^2/NDF:43673.4/3

\+ sign 547.036+/-0.124 χ^2/NDF: 2211342.4/20

All: 551.737+/-0.088 χ^2/NDF: 4414049.7/43

\- sign 556.621+/-0.126 χ^2/NDF: 2199764.5/22

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 8.554+/-46.348 χ^2/NDF:4.0/4

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

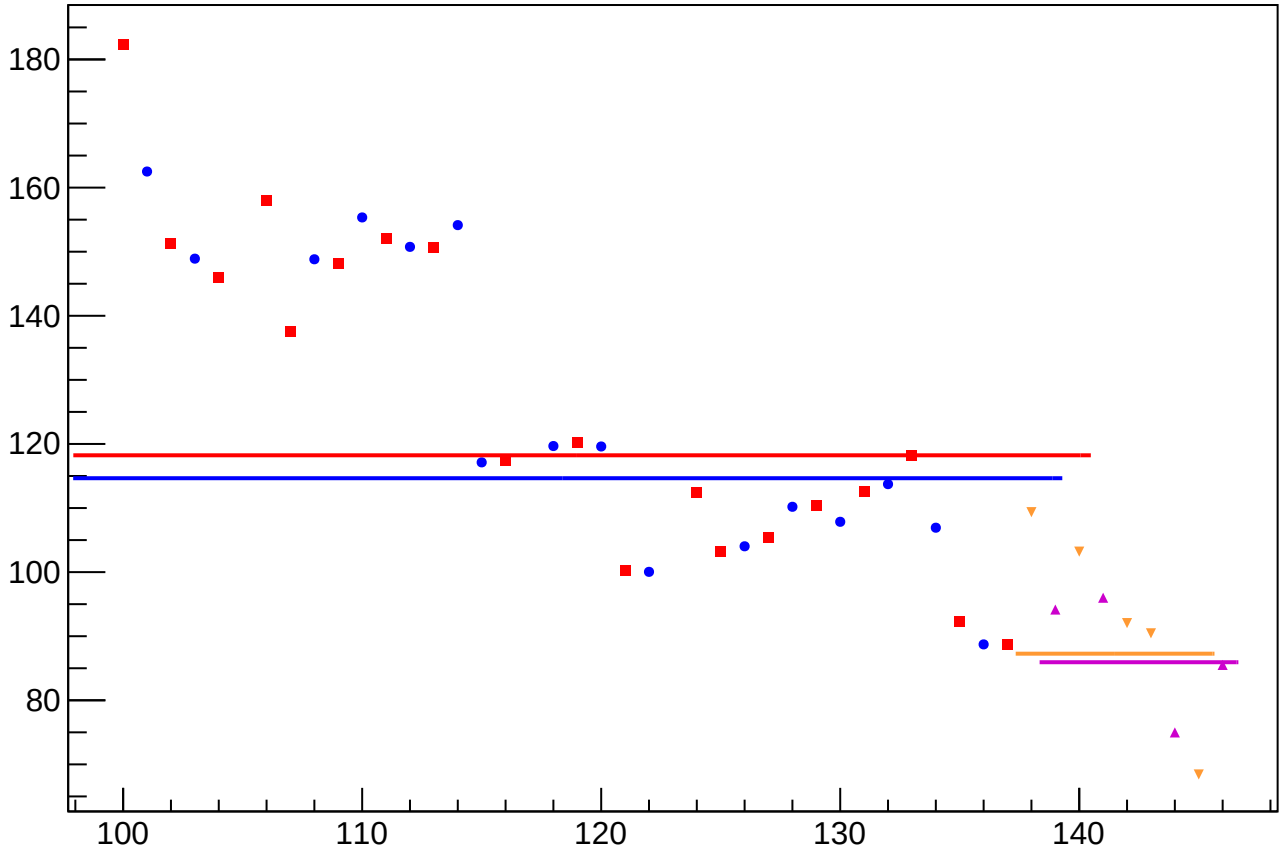
Left In: -4.825+/-46.983 χ^2/NDF:4.1/3

+ sign 57.844+/-31.722 χ^2/NDF: 17.1/20

All: 28.144+/-22.573 χ^2/NDF: 39.7/43

- sign -2.323+/-32.129 χ^2/NDF: 20.7/22

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 87.274+/-0.033 χ^2/NDF:228489.8/4

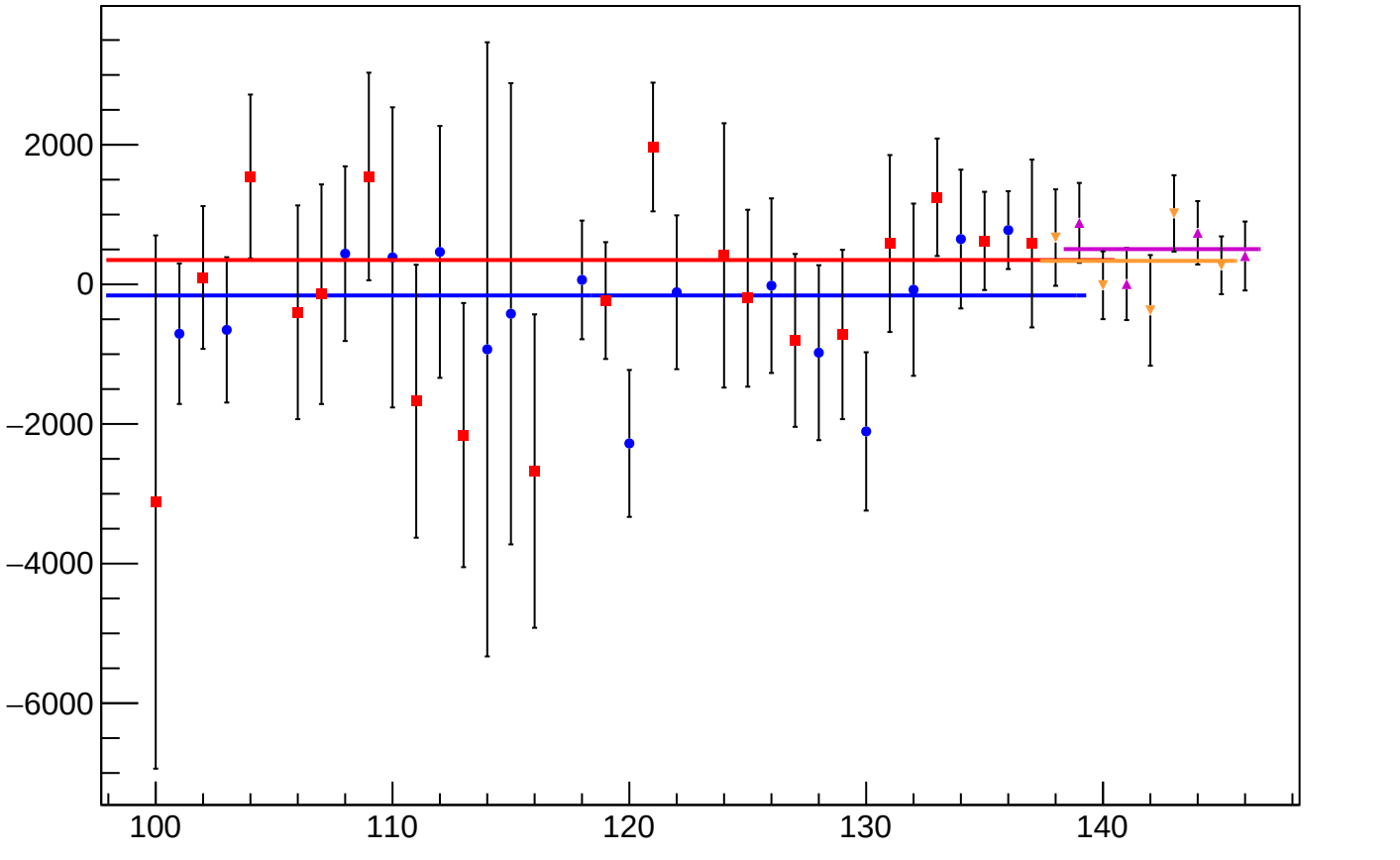
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 85.941+/-0.033 χ^2/NDF:69449.1/3

+ sign 101.828+/-0.022 χ^2/NDF: 1131496.9/20

All: 102.471+/-0.016 χ^2/NDF: 2188914.0/43

- sign 103.131+/-0.023 χ^2/NDF: 1055753.3/22



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 336.523+/-241.816 χ^2/NDF:3.1/4

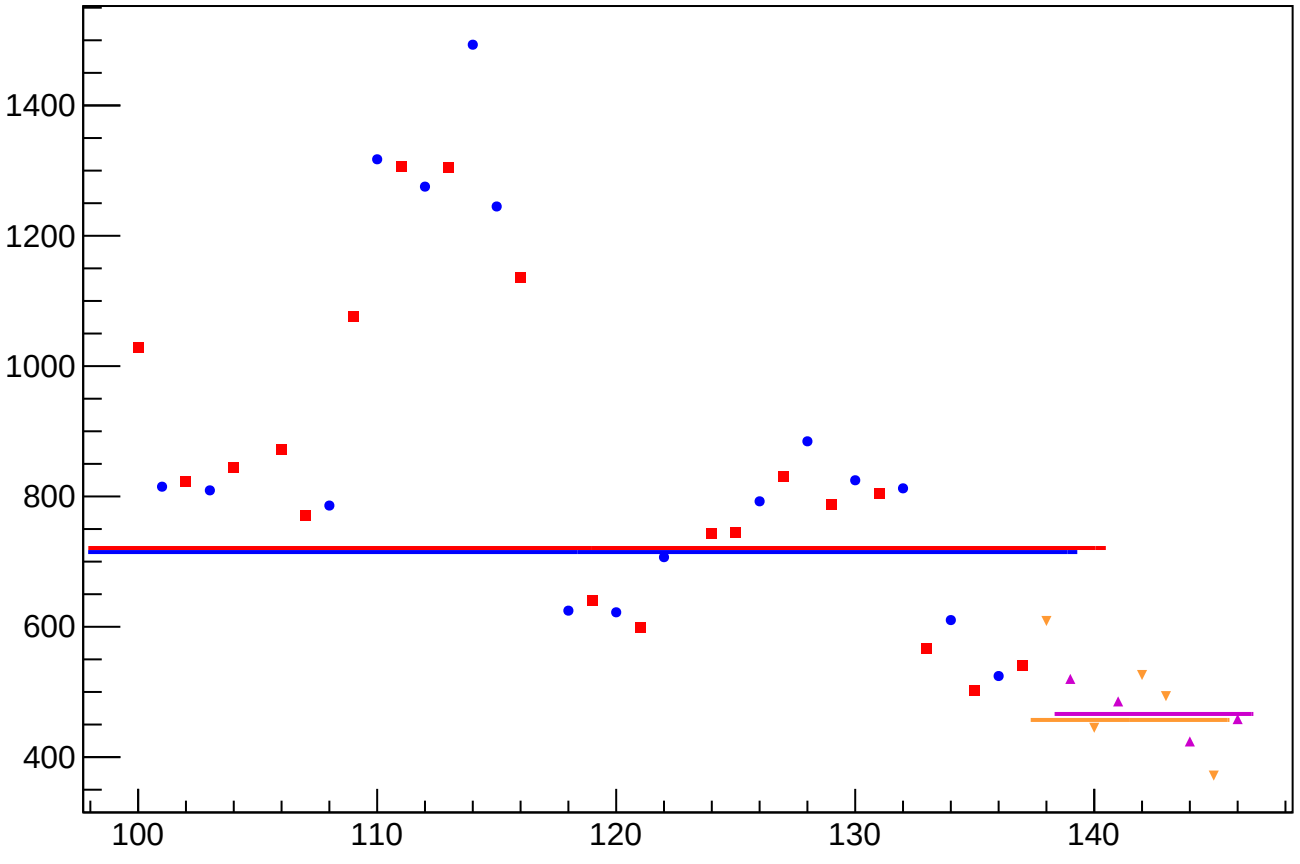
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 504.969+/-251.977 χ^2/NDF:1.7/3

\+ sign 120.007+/-181.467 χ^2/NDF: 16.9/20

All: 273.278+/-129.667 χ^2/NDF: 34.5/43

\- sign 433.173+/-185.347 χ^2/NDF: 16.2/22



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 457.051+/-0.171 χ^2/NDF:207061.2/4

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

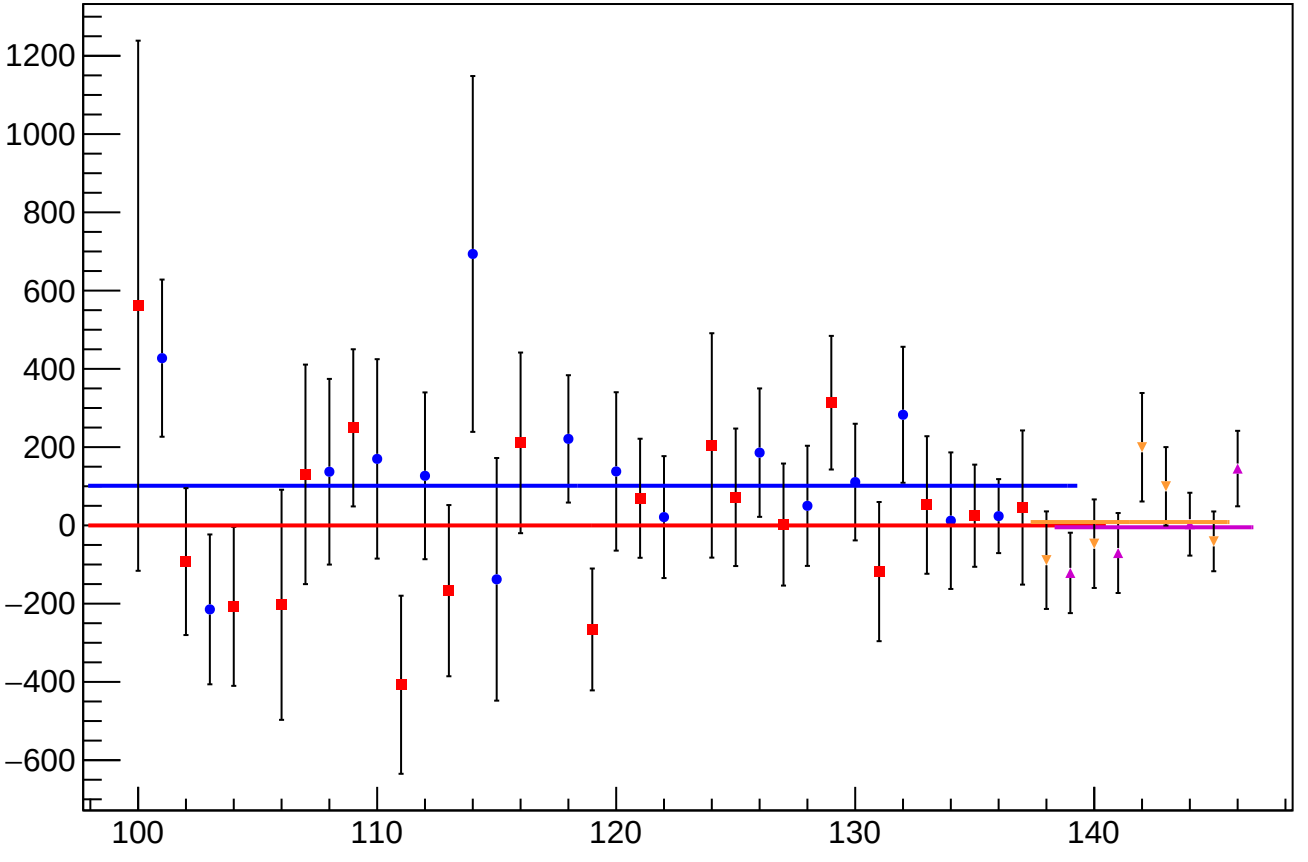
Left In: 466.234+/-0.178 χ^2/NDF:38189.3/3

+ sign 569.589+/-0.128 χ^2/NDF: 2074867.3/20

All: 576.203+/-0.092 χ^2/NDF: 4074374.2/43

- sign 583.103+/-0.131 χ^2/NDF: 1994079.0/22

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 8.553+/-46.348 χ^2/NDF:4.0/4

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

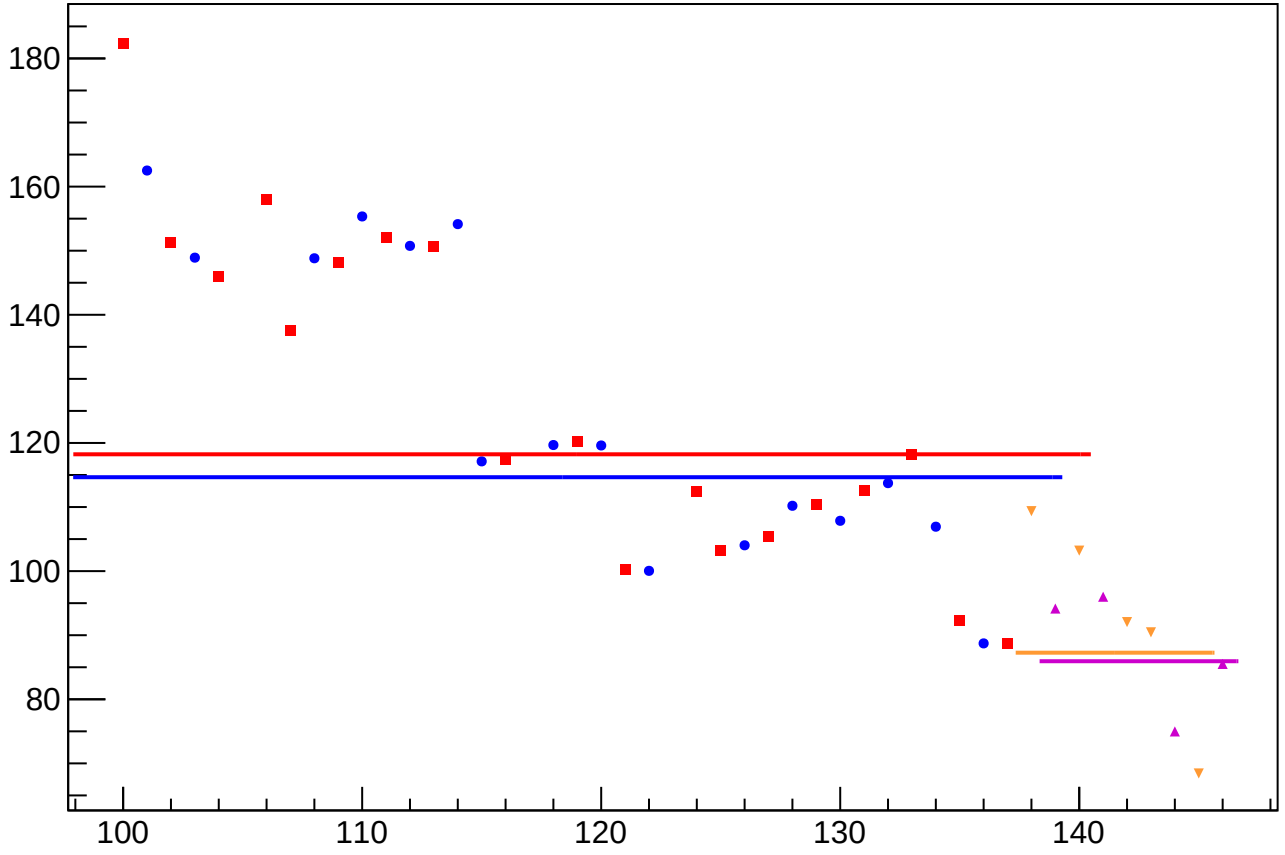
Left In: -4.824+/-46.983 χ^2/NDF:4.1/3

+ sign 57.842+/-31.722 χ^2/NDF: 17.1/20

All: 28.143+/-22.573 χ^2/NDF: 39.7/43

- sign -2.322+/-32.129 χ^2/NDF: 20.7/22

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 87.274+/-0.033 χ^2/NDF:228494.0/4

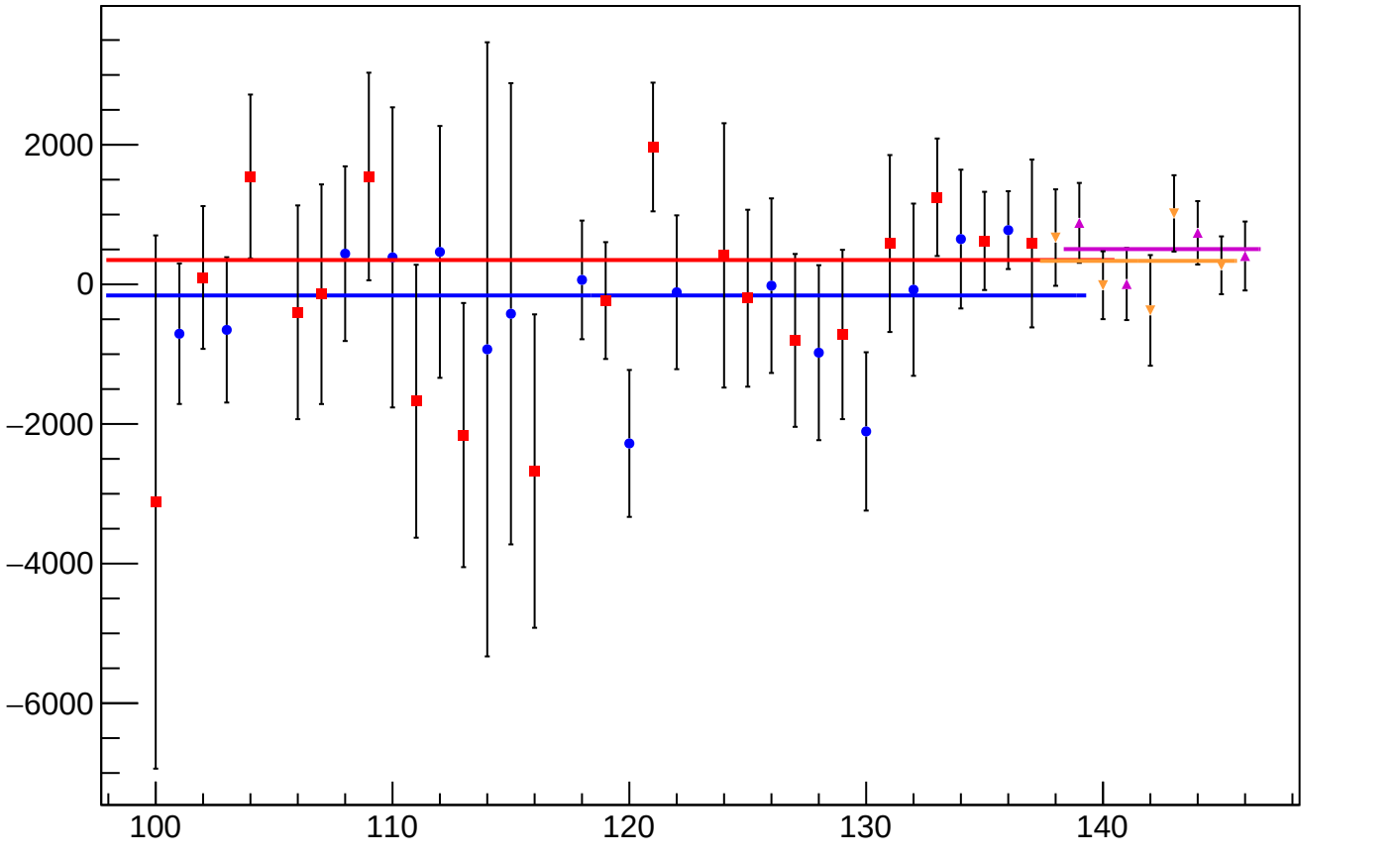
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 85.941+/-0.033 χ^2/NDF:69449.7/3

+ sign 101.828+/-0.022 χ^2/NDF: 1131492.1/20

All: 102.471+/-0.016 χ^2/NDF: 2188900.1/43

- sign 103.131+/-0.023 χ^2/NDF: 1055744.2/22



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 336.522+/-241.816 χ^2/NDF:3.1/4

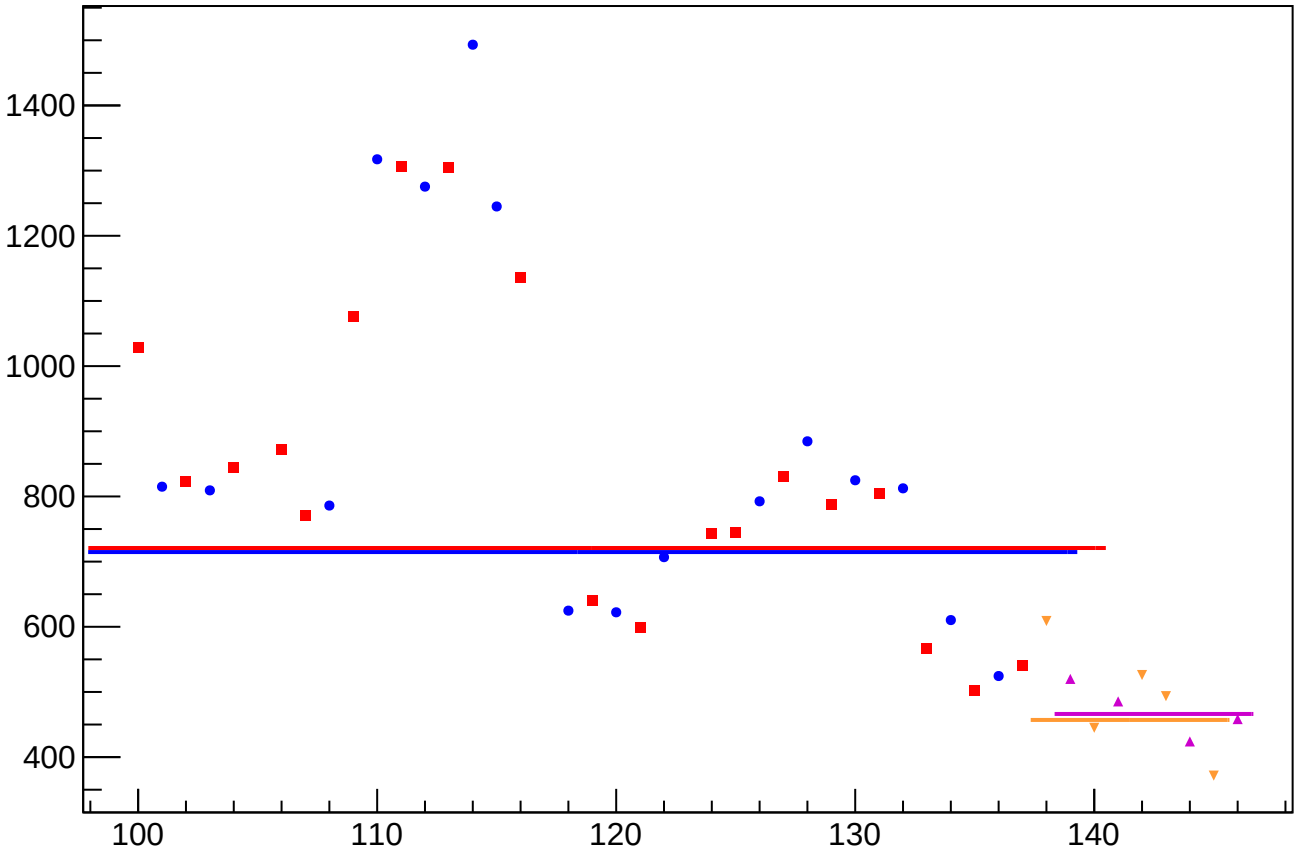
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 504.969+/-251.977 χ^2/NDF:1.7/3

\+ sign 120.006+/-181.467 χ^2/NDF: 16.9/20

All: 273.277+/-129.666 χ^2/NDF: 34.5/43

\- sign 433.173+/-185.347 χ^2/NDF: 16.2/22



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 457.051+/-0.171 χ^2/NDF:207064.5/4

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

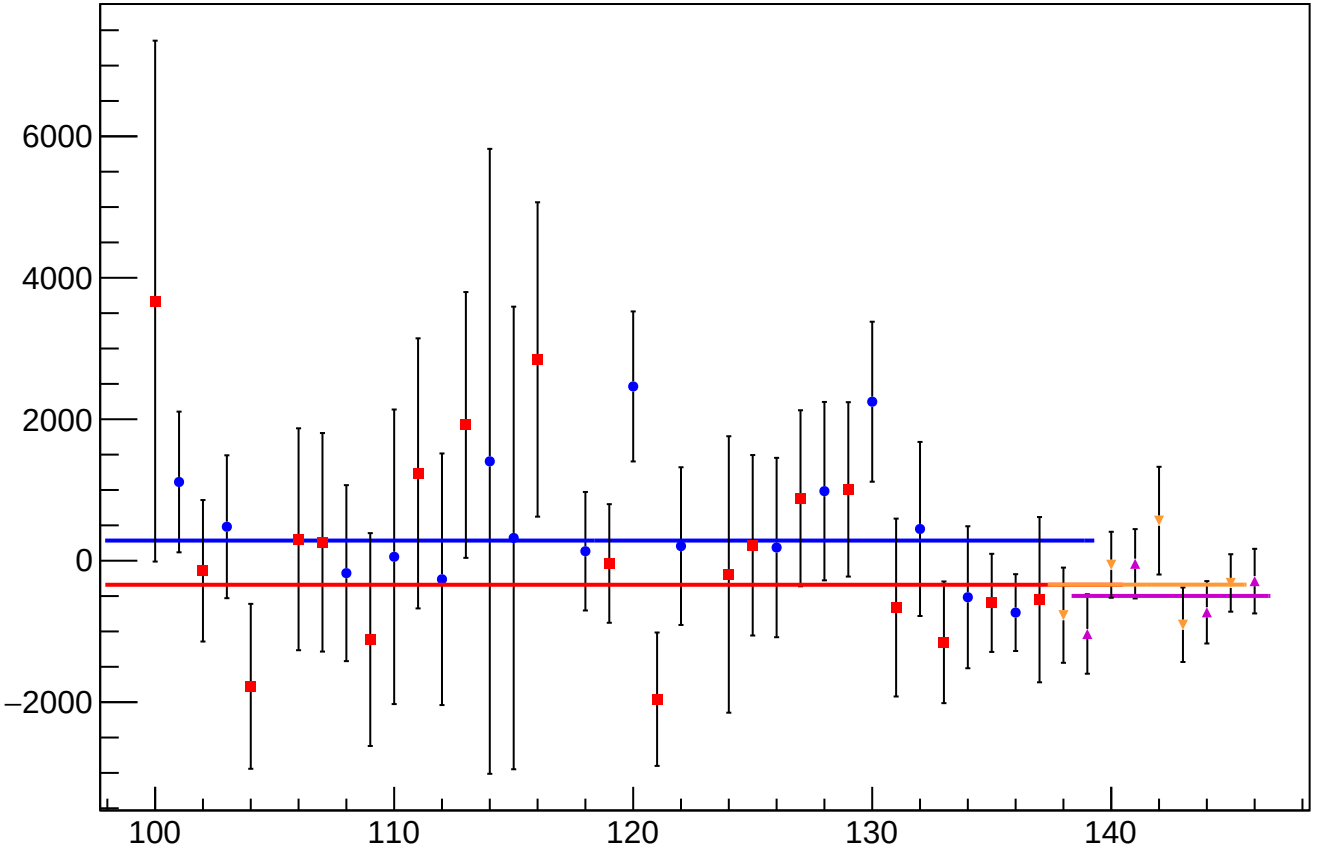
Left In: 466.234+/-0.178 χ^2/NDF:38189.9/3

\+ sign 569.589+/-0.128 χ^2/NDF: 2074866.5/20

All: 576.203+/-0.092 χ^2/NDF: 4074364.1/43

\- sign 583.103+/-0.131 χ^2/NDF: 1994069.5/22

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -338.378+/-234.454 χ^2/NDF:3.3/4

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

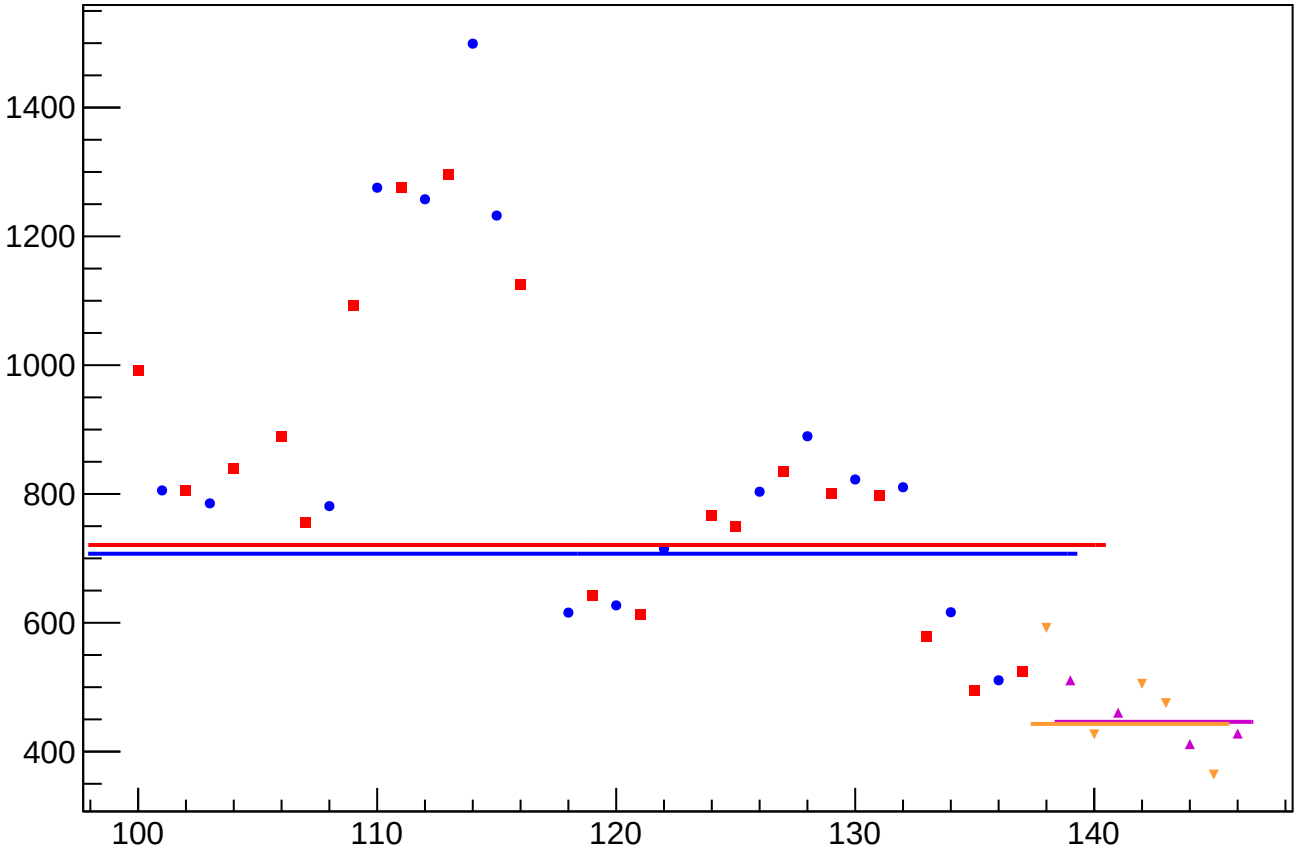
Left In: -497.816+/-240.648 χ^2/NDF:2.3/3

+ sign -72.681+/-177.572 χ^2/NDF: 19.2/20

All: -247.726+/-126.653 χ^2/NDF: 37.7/43

- sign -428.988+/-180.698 χ^2/NDF: 16.5/22

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 443.010+/-0.166 χ^2/NDF:196473.6/4

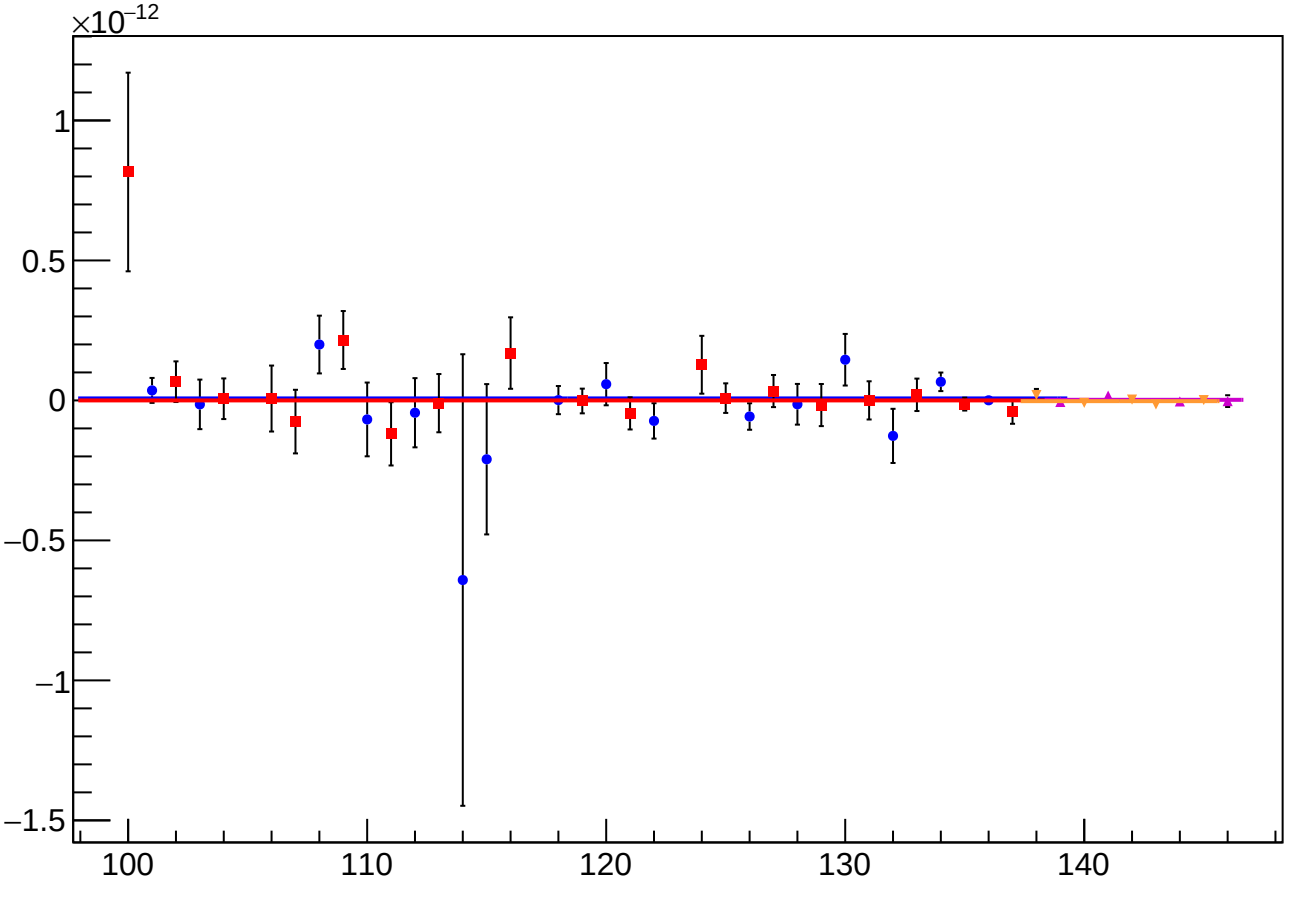
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 446.179+/-0.170 χ^2/NDF:43463.6/3

+ sign 555.657+/-0.126 χ^2/NDF: 2176010.6/20

All: 560.715+/-0.090 χ^2/NDF: 4373931.3/43

- sign 565.954+/-0.128 χ^2/NDF: 2194616.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/4

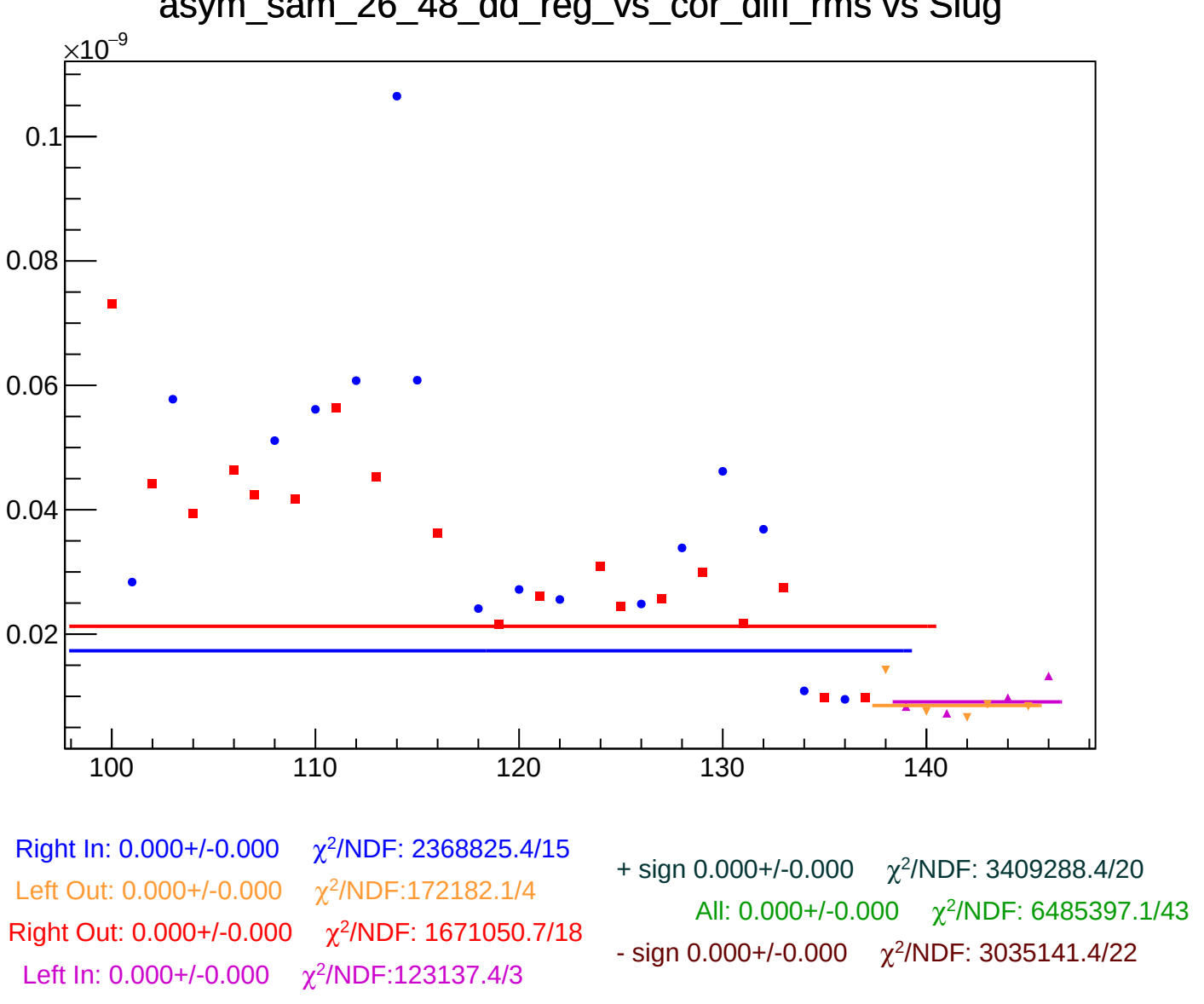
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

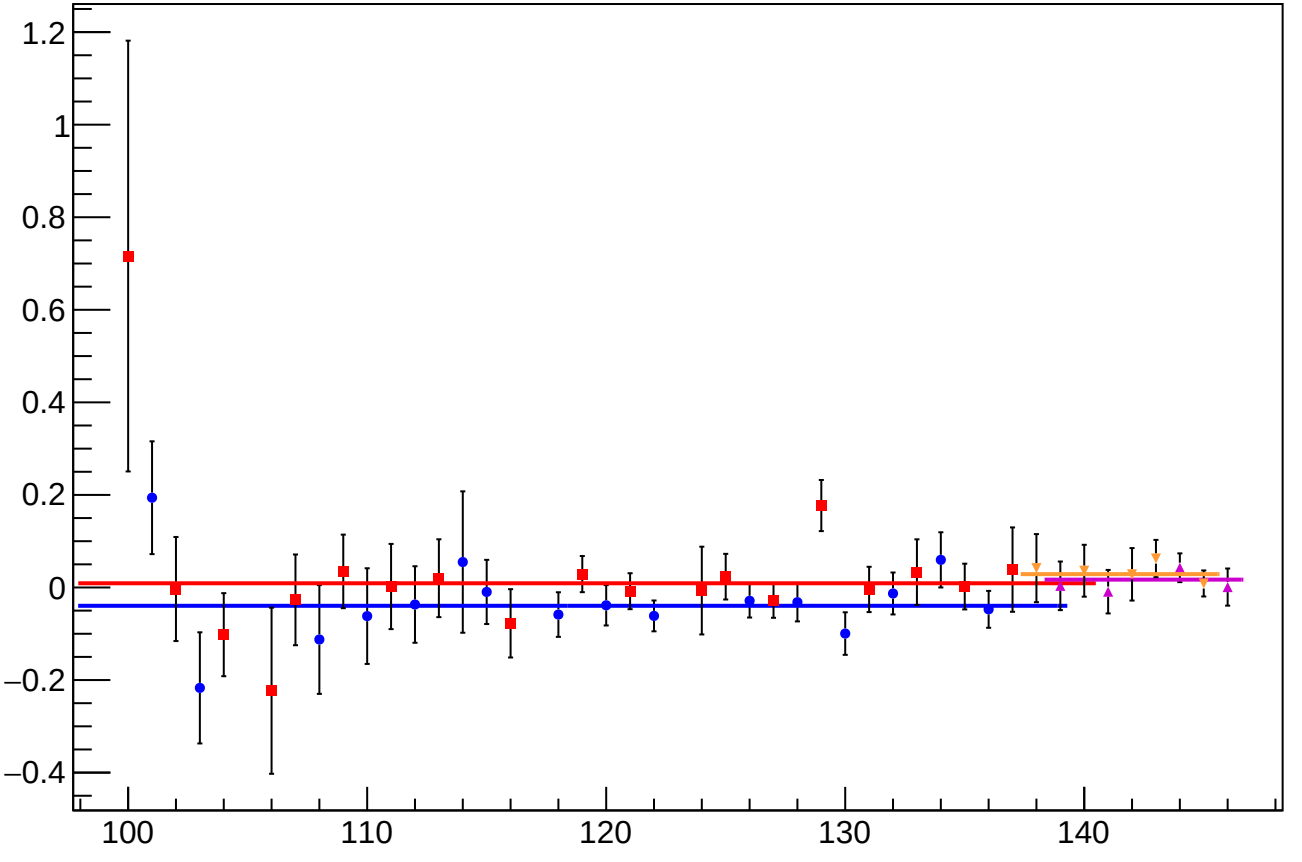
\+ sign -0.000+/-0.000 χ^2/NDF: 19.9/20

All: 0.000+/-0.000 χ^2/NDF: 39.4/43

\- sign 0.000+/-0.000 χ^2/NDF: 19.5/22


asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:172182.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:123137.4/3
+ sign 0.000+/-0.000 χ²/NDF: 3409288.4/20
All: 0.000+/-0.000 χ²/NDF: 6485397.1/43
- sign 0.000+/-0.000 χ²/NDF: 3035141.4/22

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: 0.029+/-0.019 χ^2/NDF:1.3/4

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

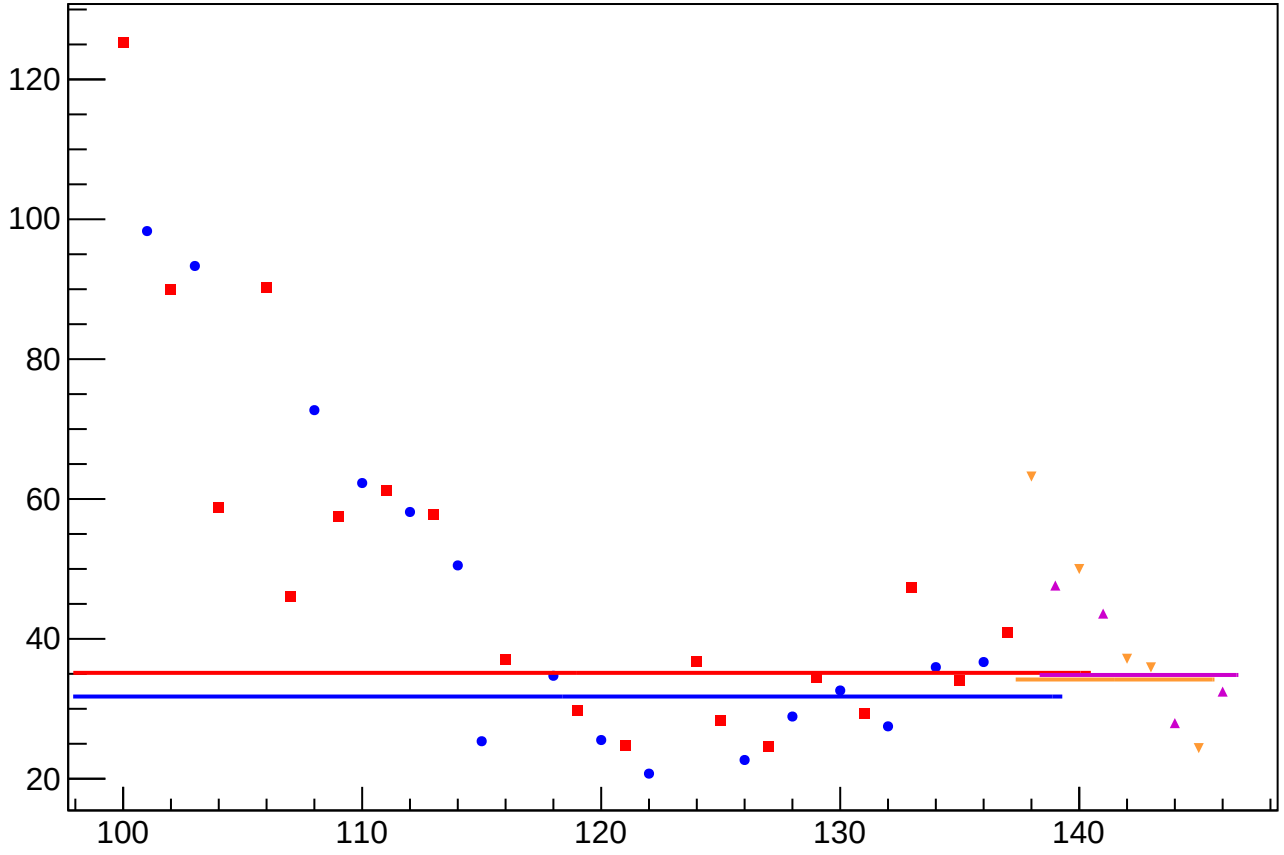
Left In: 0.017+/-0.020 χ^2/NDF:1.2/3

+ sign -0.018+/-0.011 χ^2/NDF: 22.3/20

All: -0.004+/-0.008 χ^2/NDF: 45.3/43

- sign 0.012+/-0.012 χ^2/NDF: 19.6/22

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 34.189+/-0.014 χ^2/NDF:722124.3/4

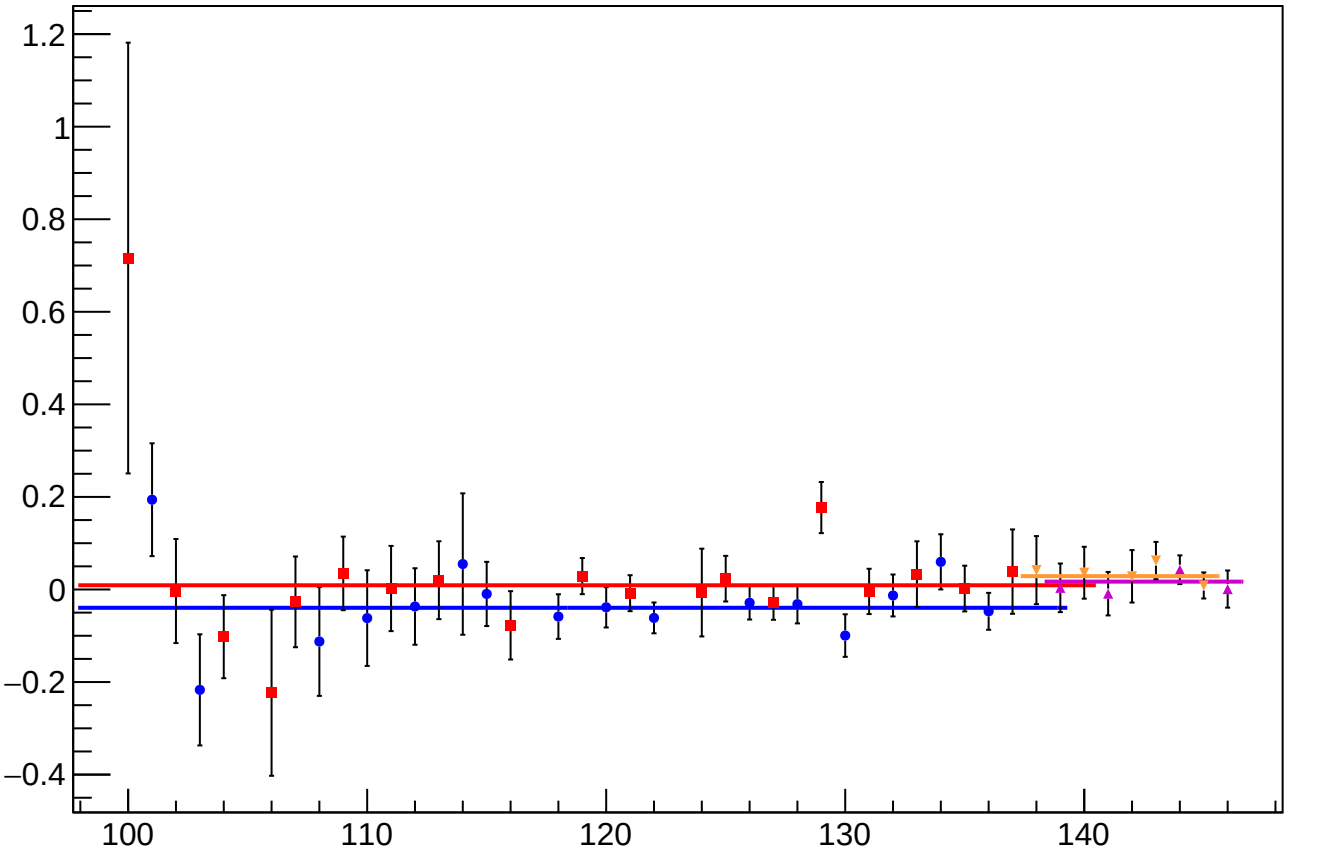
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293509.0/3

+ sign 32.530+/-0.008 χ^2/NDF: 2996276.2/20

All: 33.705+/-0.006 χ^2/NDF: 5184720.3/43

- sign 35.040+/-0.008 χ^2/NDF: 2138483.3/22



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

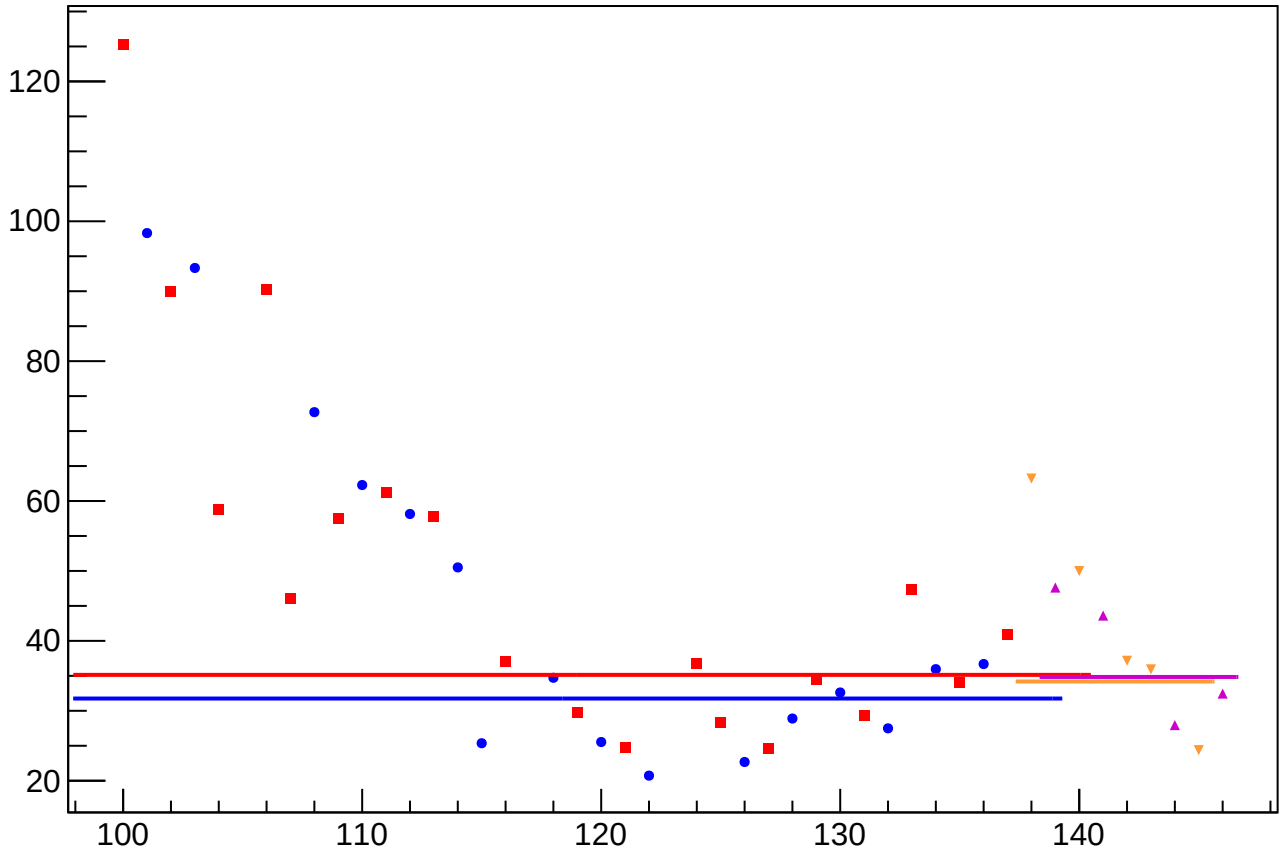
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.017+/-0.020 χ^2/NDF:1.2/3

\+ sign -0.018+/-0.011 χ^2/NDF: 22.3/20

All: -0.004+/-0.008 χ^2/NDF: 45.3/43

\- sign 0.012+/-0.012 χ^2/NDF: 19.6/22



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 34.189+/-0.014 χ^2/NDF:722124.3/4

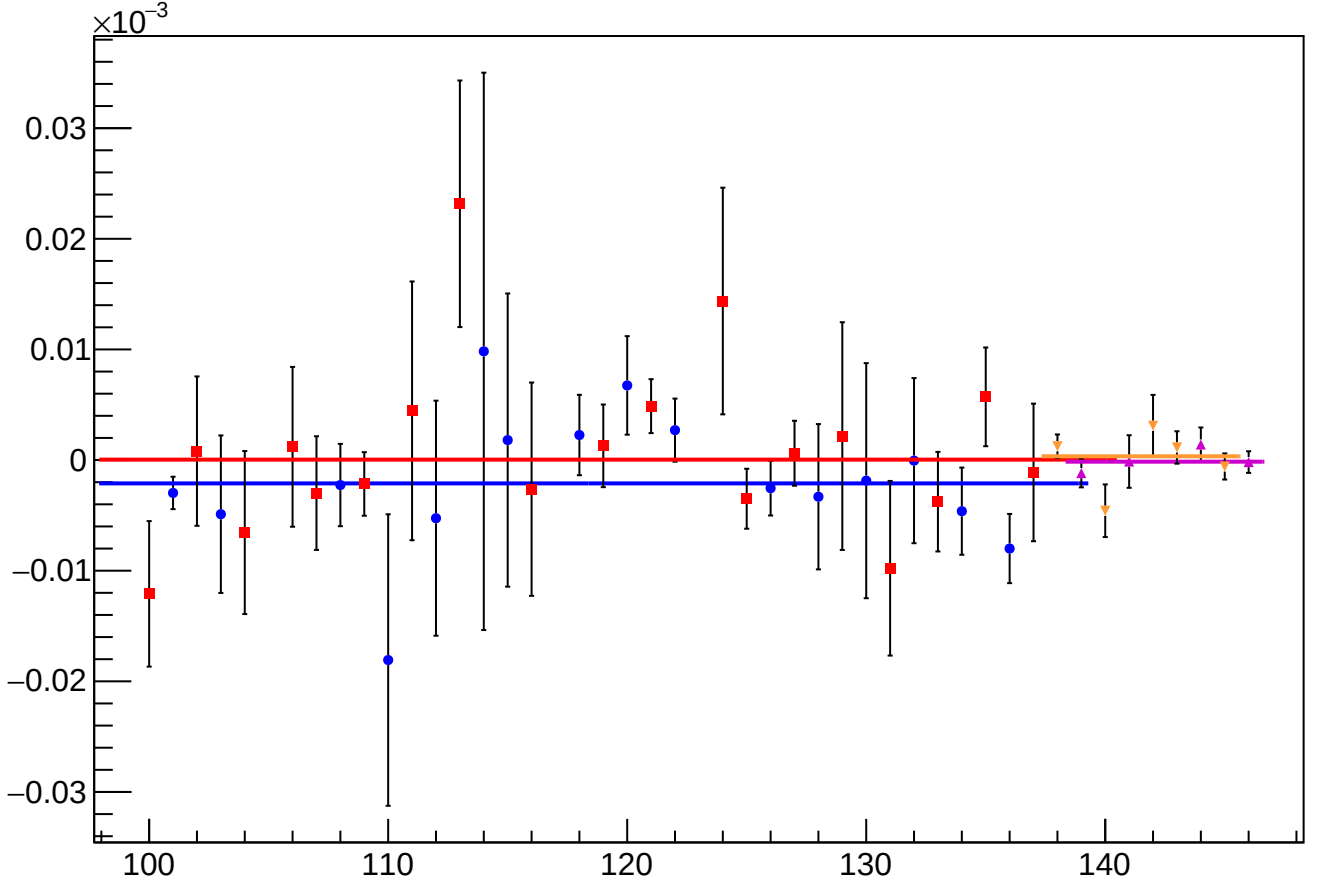
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293509.0/3

+ sign 32.530+/-0.008 χ^2/NDF: 2996276.2/20

All: 33.705+/-0.006 χ^2/NDF: 5184720.3/43

- sign 35.040+/-0.008 χ^2/NDF: 2138483.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/4

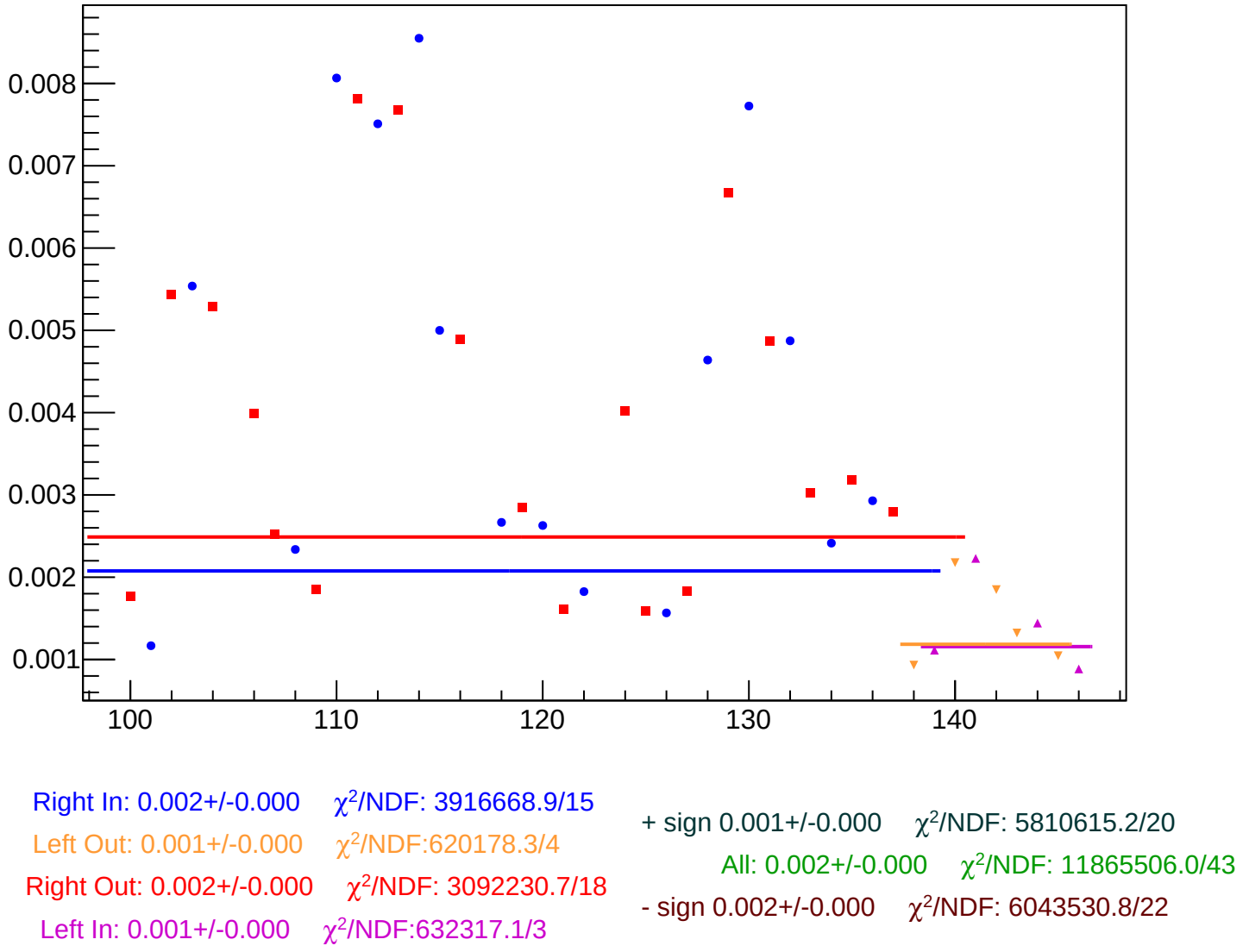
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

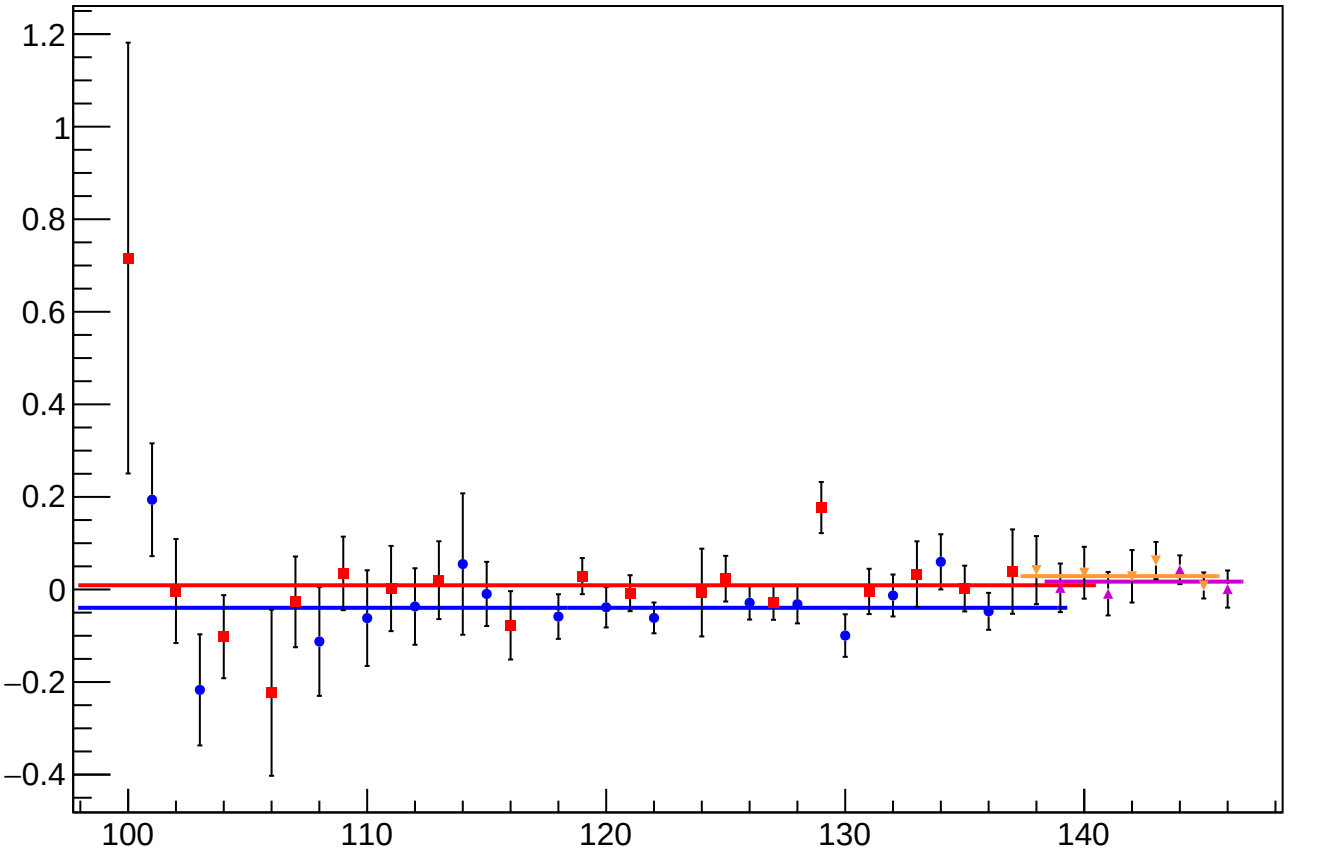
Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/20

All: -0.000+/-0.000 χ^2/NDF: 49.8/43

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


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
Right In: 0.002+/-0.000 χ²/NDF: 3916668.9/15
Left Out: 0.001+/-0.000 χ²/NDF:620178.3/4
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:632317.1/3
+ sign 0.001+/-0.000 χ²/NDF: 5810615.2/20
All: 0.002+/-0.000 χ²/NDF: 11865506.0/43
- sign 0.002+/-0.000 χ²/NDF: 6043530.8/22



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

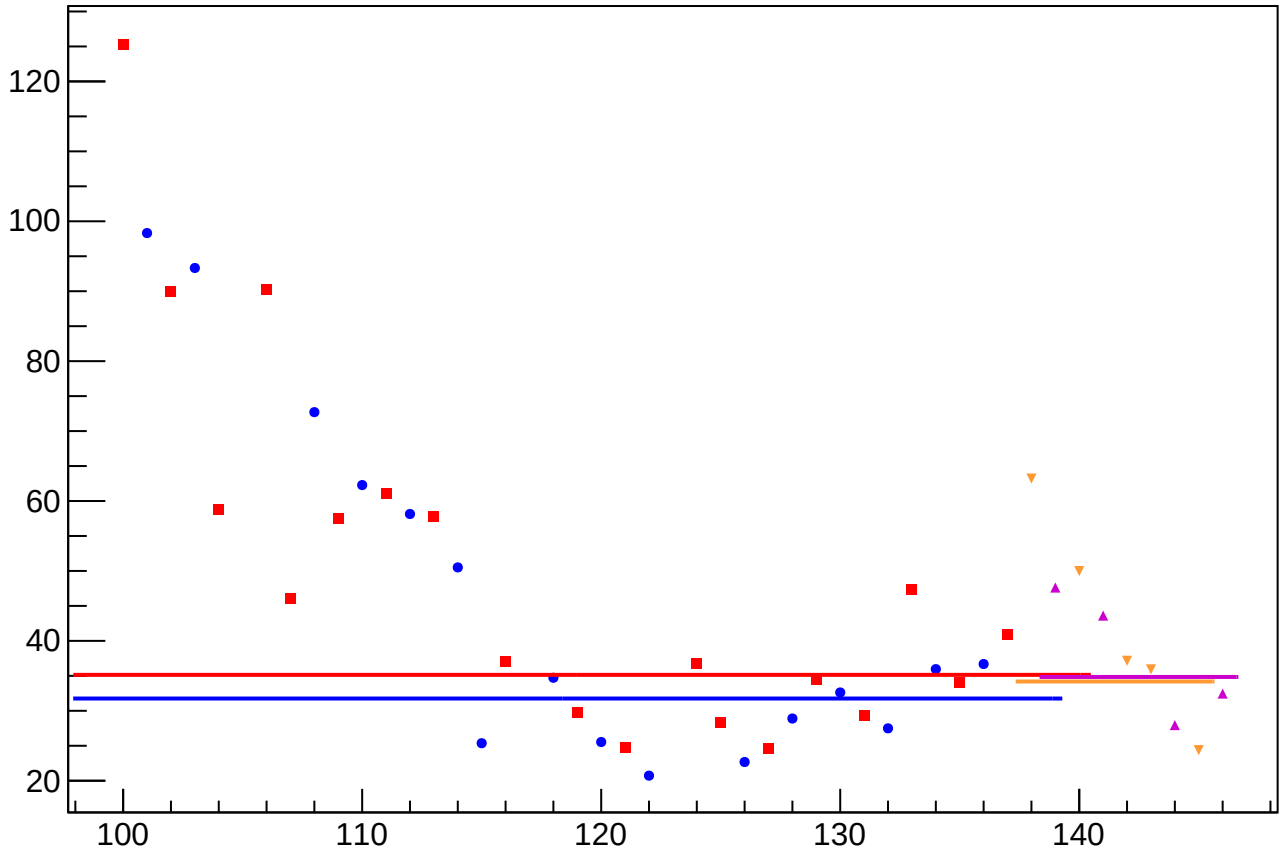
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.017+/-0.020 χ^2/NDF:1.2/3

+ sign -0.018+/-0.011 χ^2/NDF: 22.3/20

All: -0.004+/-0.008 χ^2/NDF: 45.3/43

- sign 0.012+/-0.012 χ^2/NDF: 19.6/22



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 34.189+/-0.014 χ^2/NDF:722164.0/4

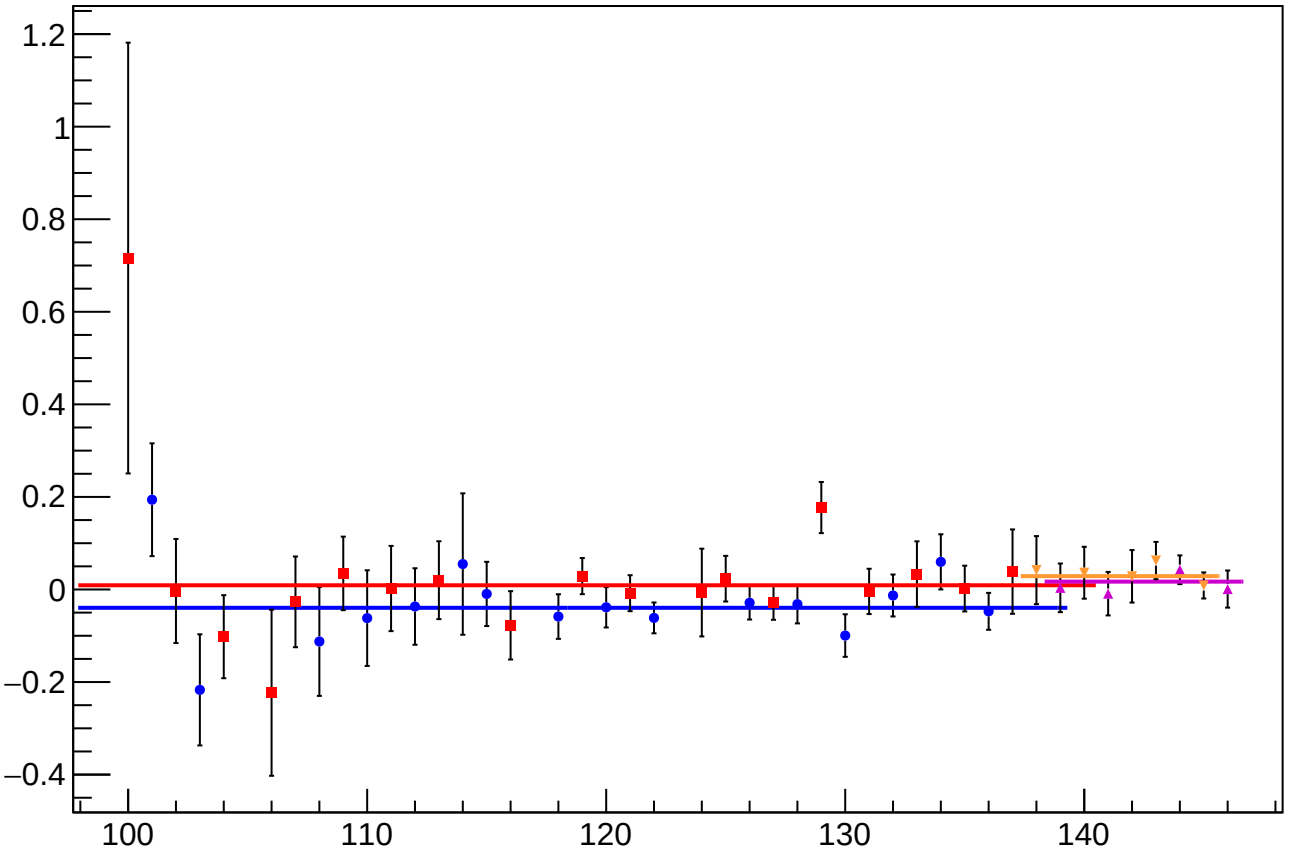
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293518.4/3

+ sign 32.530+/-0.008 χ^2/NDF: 2996279.9/20

All: 33.705+/-0.006 χ^2/NDF: 5184634.9/43

- sign 35.040+/-0.008 χ^2/NDF: 2138389.5/22



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

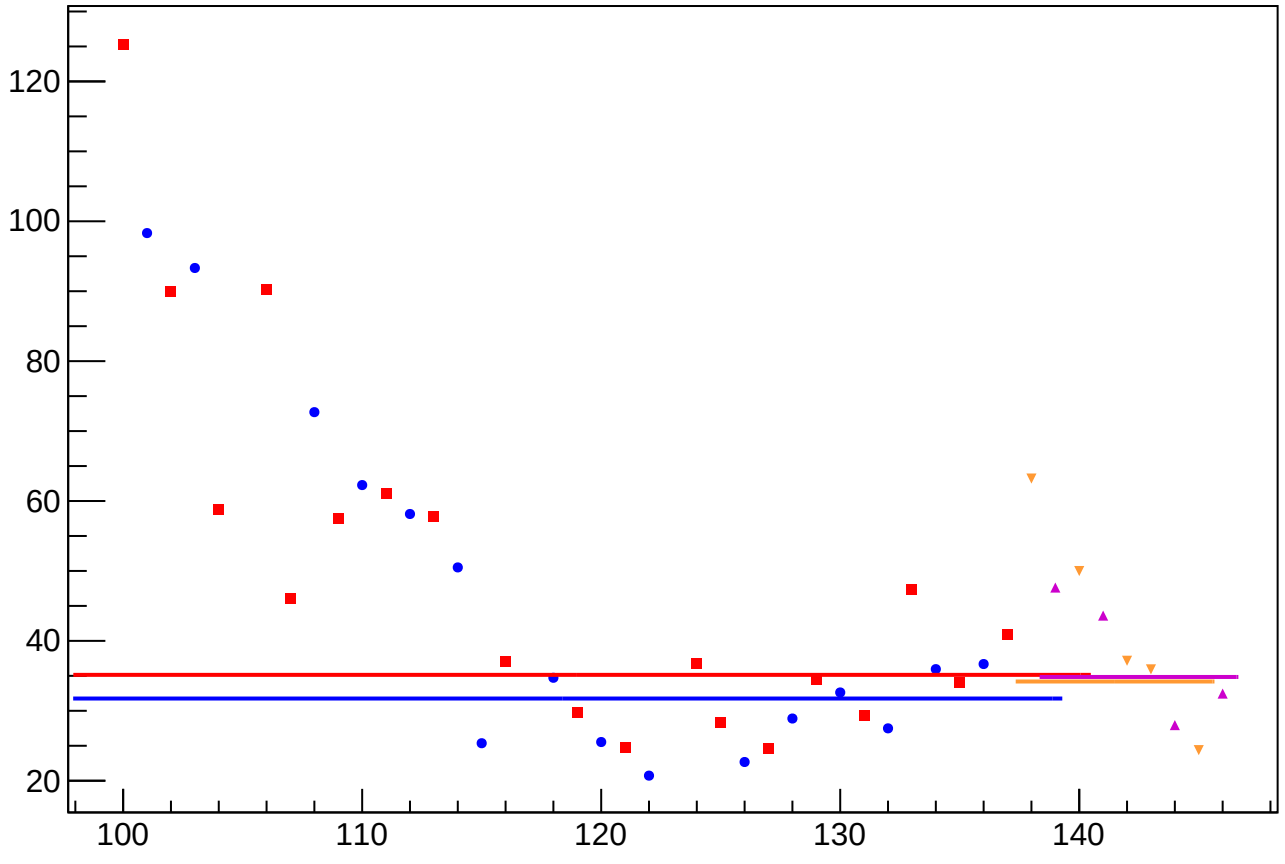
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.017+/-0.020 χ^2/NDF:1.2/3

+ sign -0.018+/-0.011 χ^2/NDF: 22.3/20

All: -0.004+/-0.008 χ^2/NDF: 45.3/43

- sign 0.012+/-0.012 χ^2/NDF: 19.6/22



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 34.189+/-0.014 χ^2/NDF:722164.0/4

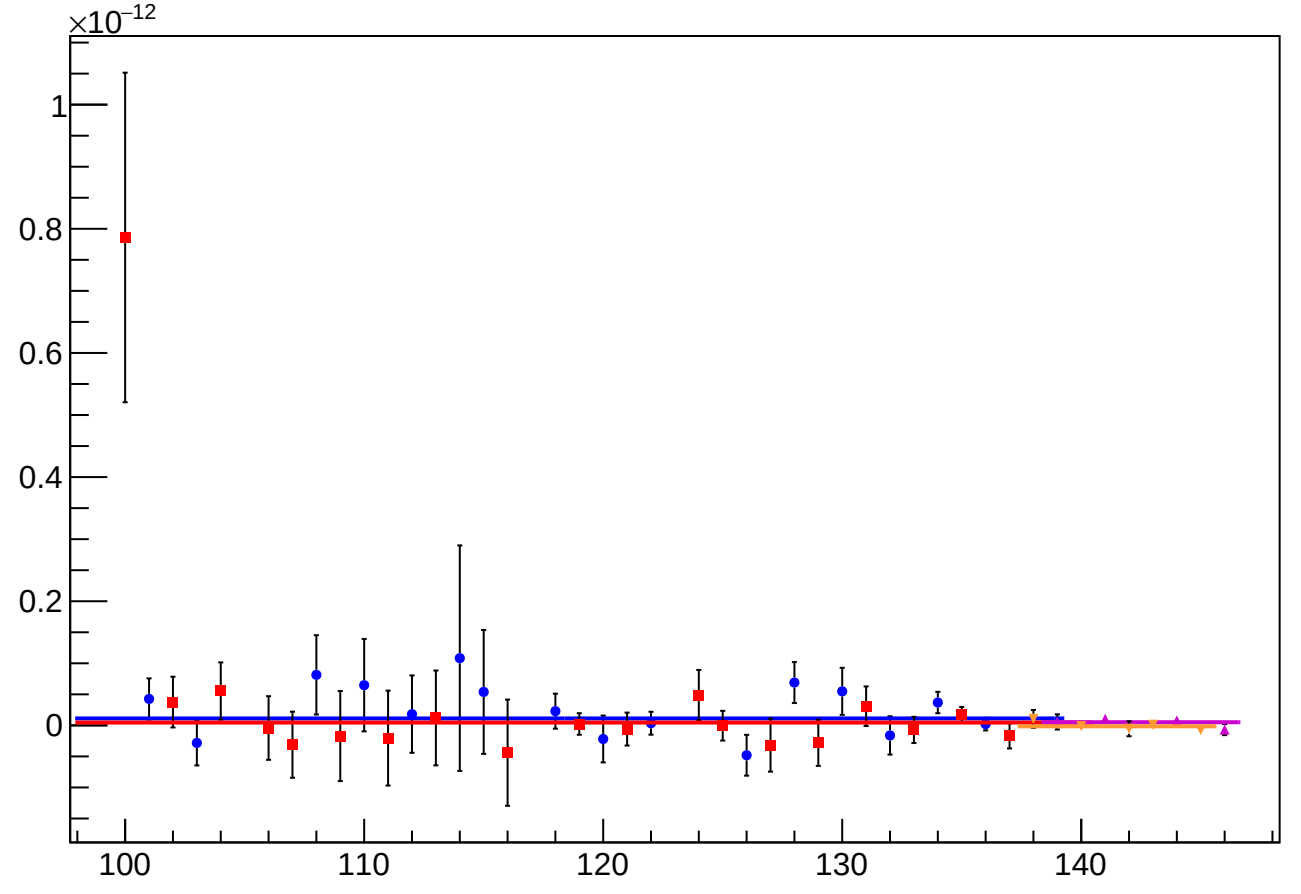
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293518.4/3

+ sign 32.530+/-0.008 χ^2/NDF: 2996279.9/20

All: 33.705+/-0.006 χ^2/NDF: 5184634.9/43

- sign 35.040+/-0.008 χ^2/NDF: 2138389.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/4

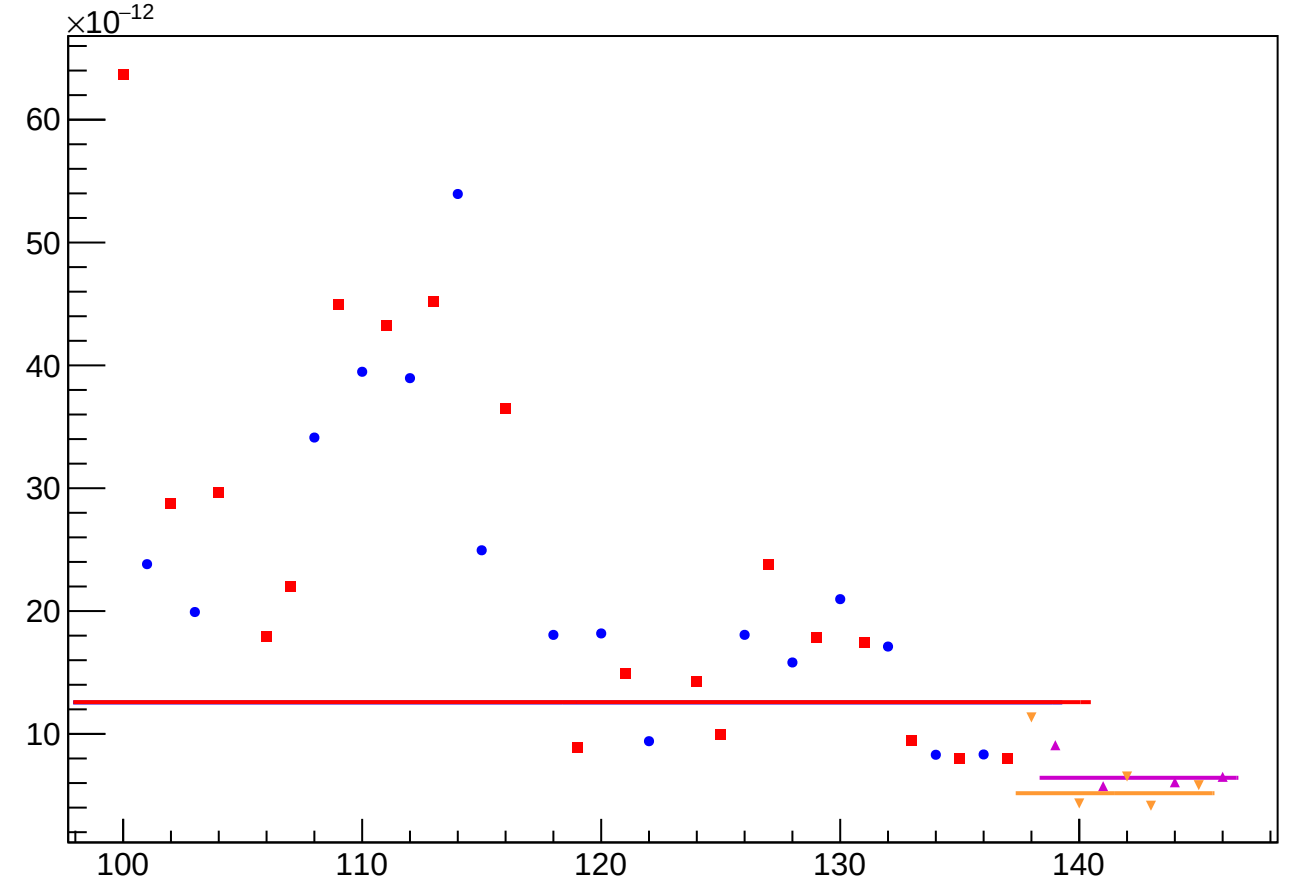
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.5/20

All: 0.000+/-0.000 χ^2/NDF: 42.0/43

- sign 0.000+/-0.000 χ^2/NDF: 20.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:499141.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

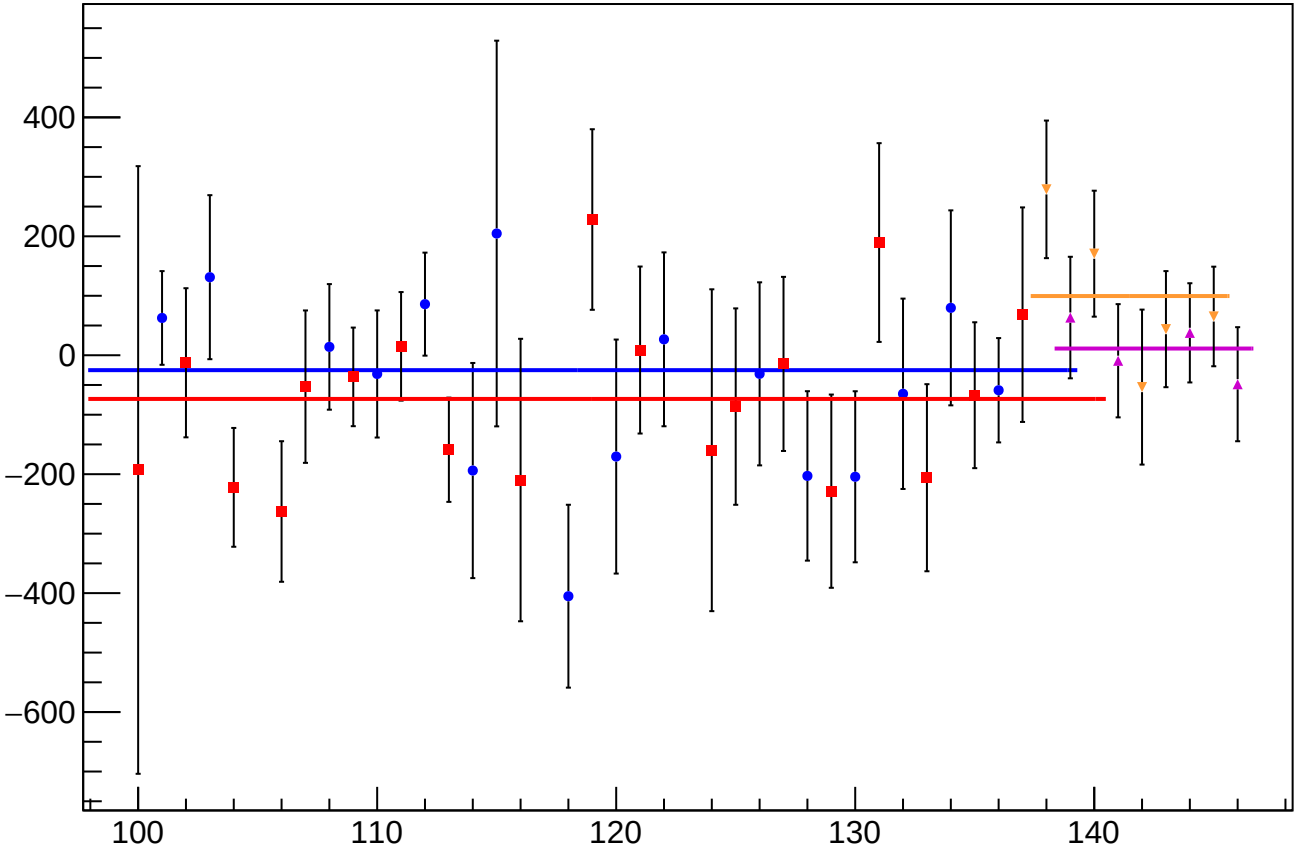
Left In: 0.000+/-0.000 χ^2/NDF:115771.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 4702608.4/20

All: 0.000+/-0.000 χ^2/NDF: 8955940.0/43

- sign 0.000+/-0.000 χ^2/NDF: 4078713.3/22

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 99.551+/-46.110 χ^2/NDF:4.7/4

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

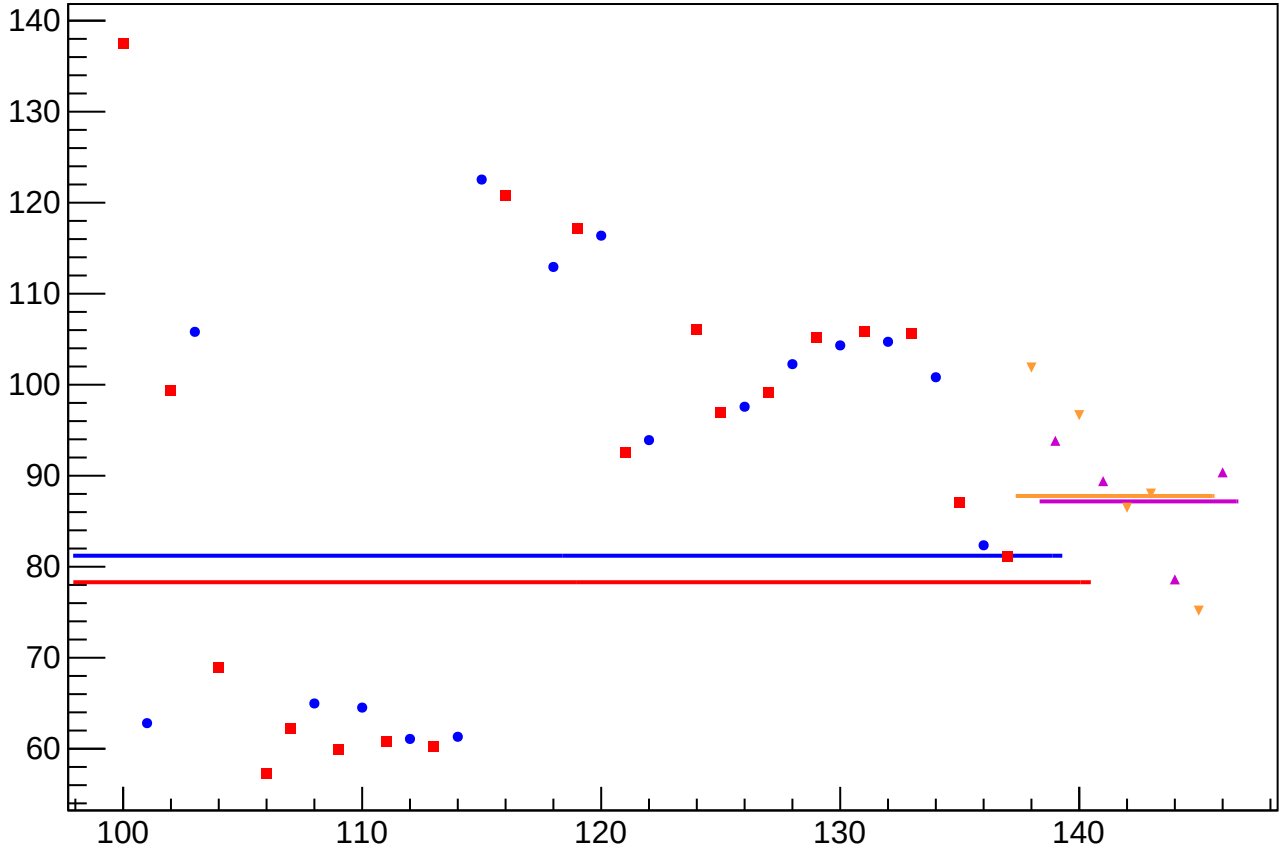
Left In: 11.273+/-46.699 χ^2/NDF:0.8/3

+ sign 14.118+/-25.857 χ^2/NDF: 25.9/20

All: -18.140+/-18.048 χ^2/NDF: 48.9/43

- sign -48.781+/-25.202 χ^2/NDF: 19.9/22

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 87.775+/-0.033 χ^2/NDF:89319.7/4

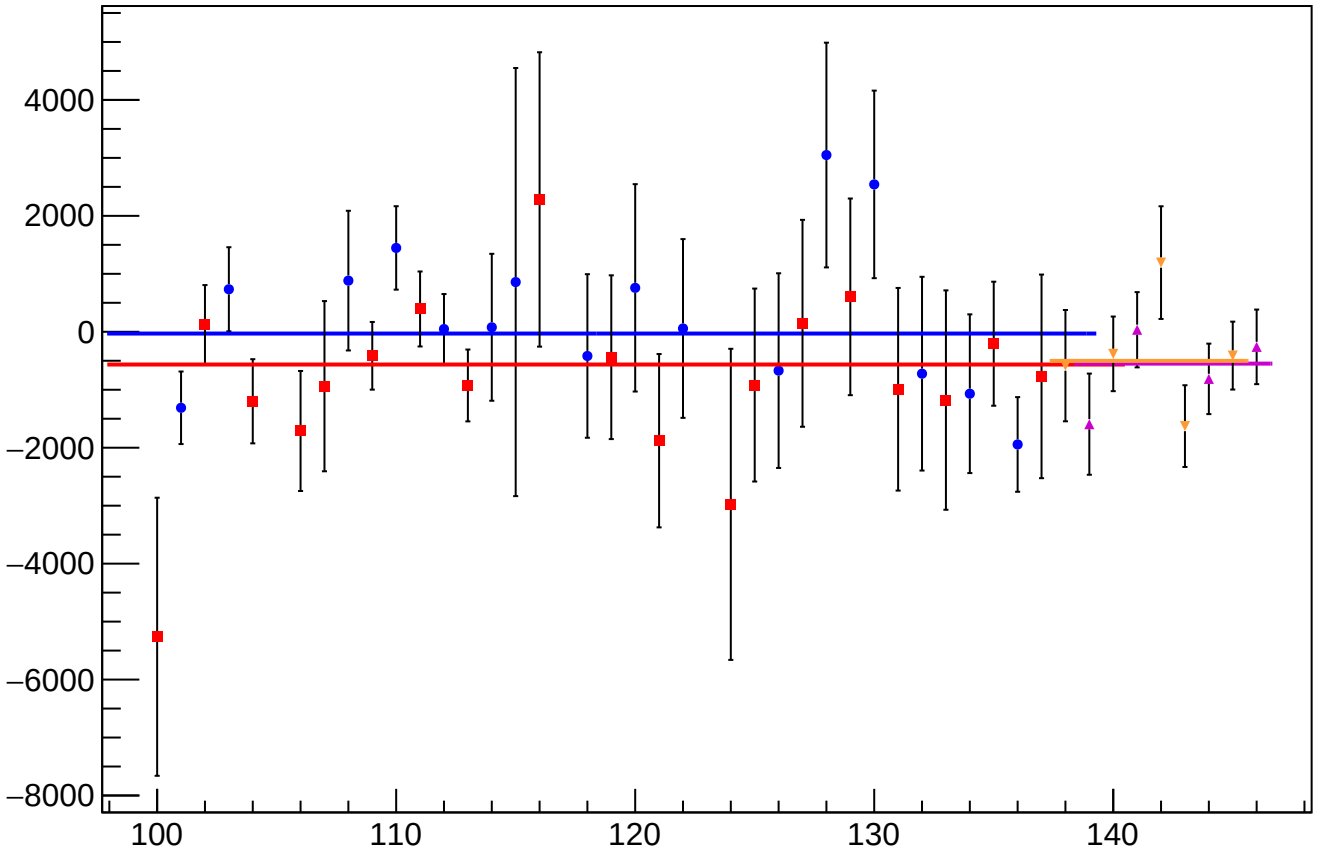
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

+ sign 83.274+/-0.018 χ^2/NDF: 904795.0/20

All: 82.049+/-0.013 χ^2/NDF: 1932409.0/43

- sign 80.884+/-0.018 χ^2/NDF: 1018852.1/22



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -501.997+/-324.749 χ^2/NDF:5.7/4

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

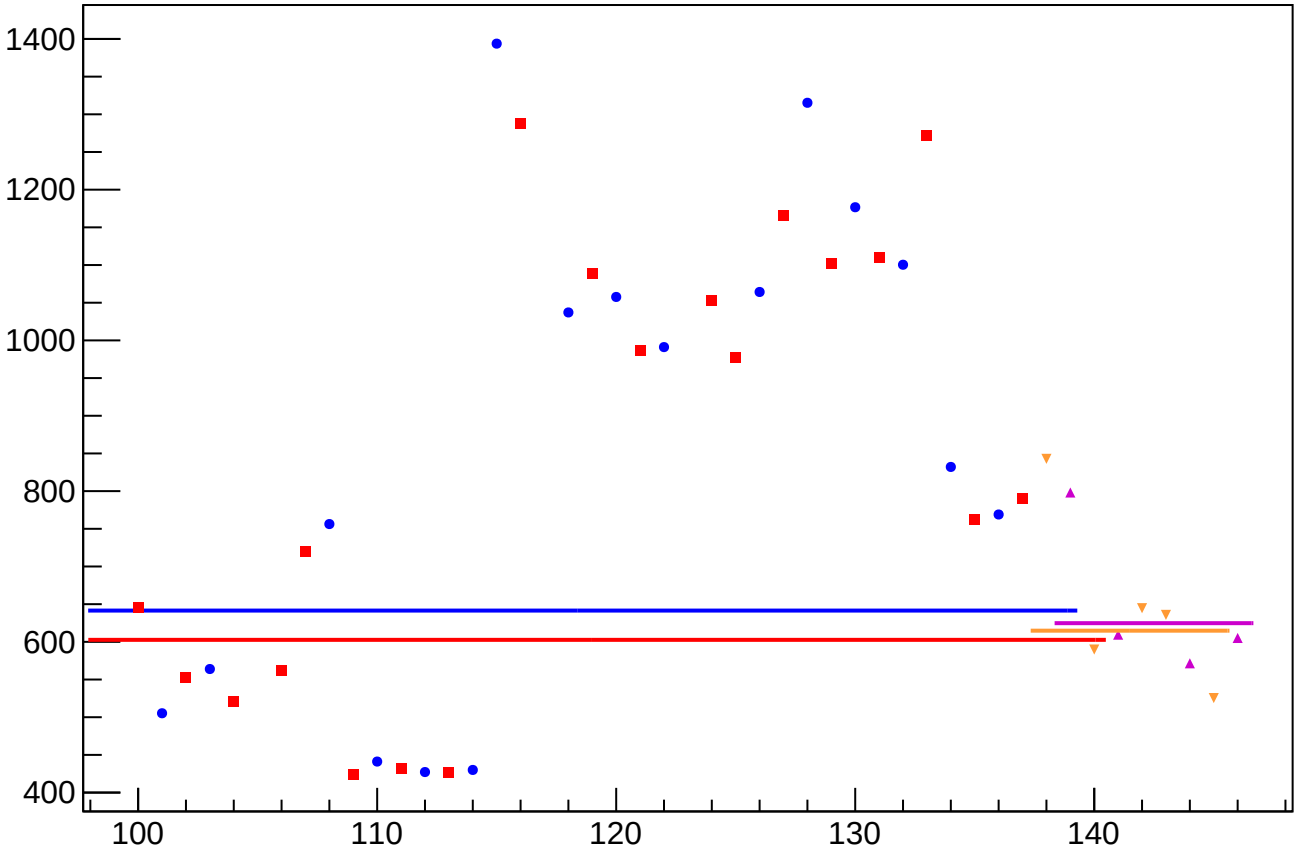
Left In: -549.045+/-336.940 χ^2/NDF:2.6/3

\+ sign -212.016+/-201.527 χ^2/NDF: 28.8/20

All: -391.829+/-140.011 χ^2/NDF: 46.3/43

\- sign -559.601+/-194.663 χ^2/NDF: 15.9/22

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 614.826+/-0.230 χ^2/NDF:166079.2/4

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

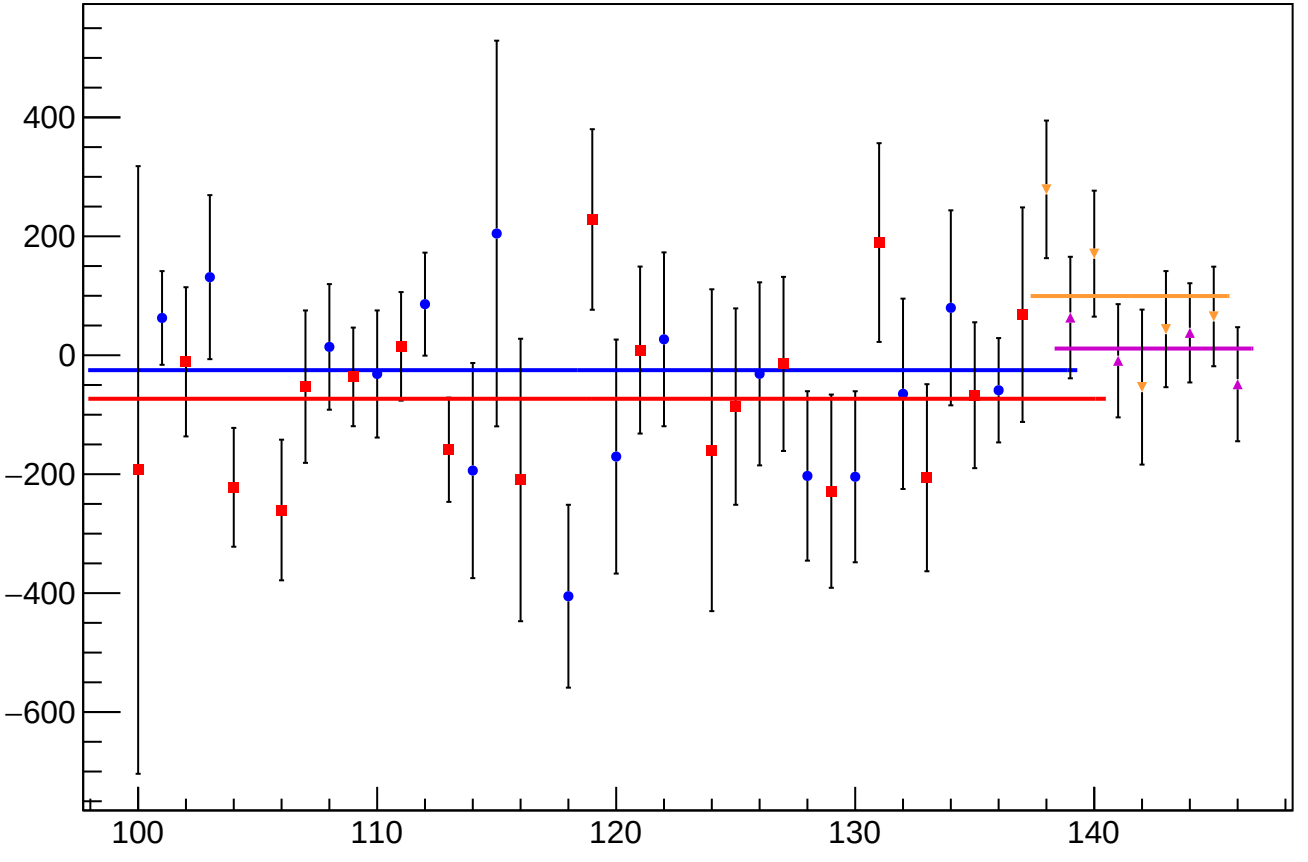
Left In: 624.791+/-0.238 χ^2/NDF:97269.6/3

+ sign 631.227+/-0.143 χ^2/NDF: 2049365.8/20

All: 620.268+/-0.099 χ^2/NDF: 4234127.7/43

- sign 610.043+/-0.138 χ^2/NDF: 2173329.1/22

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 99.564+/-46.110 χ^2/NDF:4.7/4

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

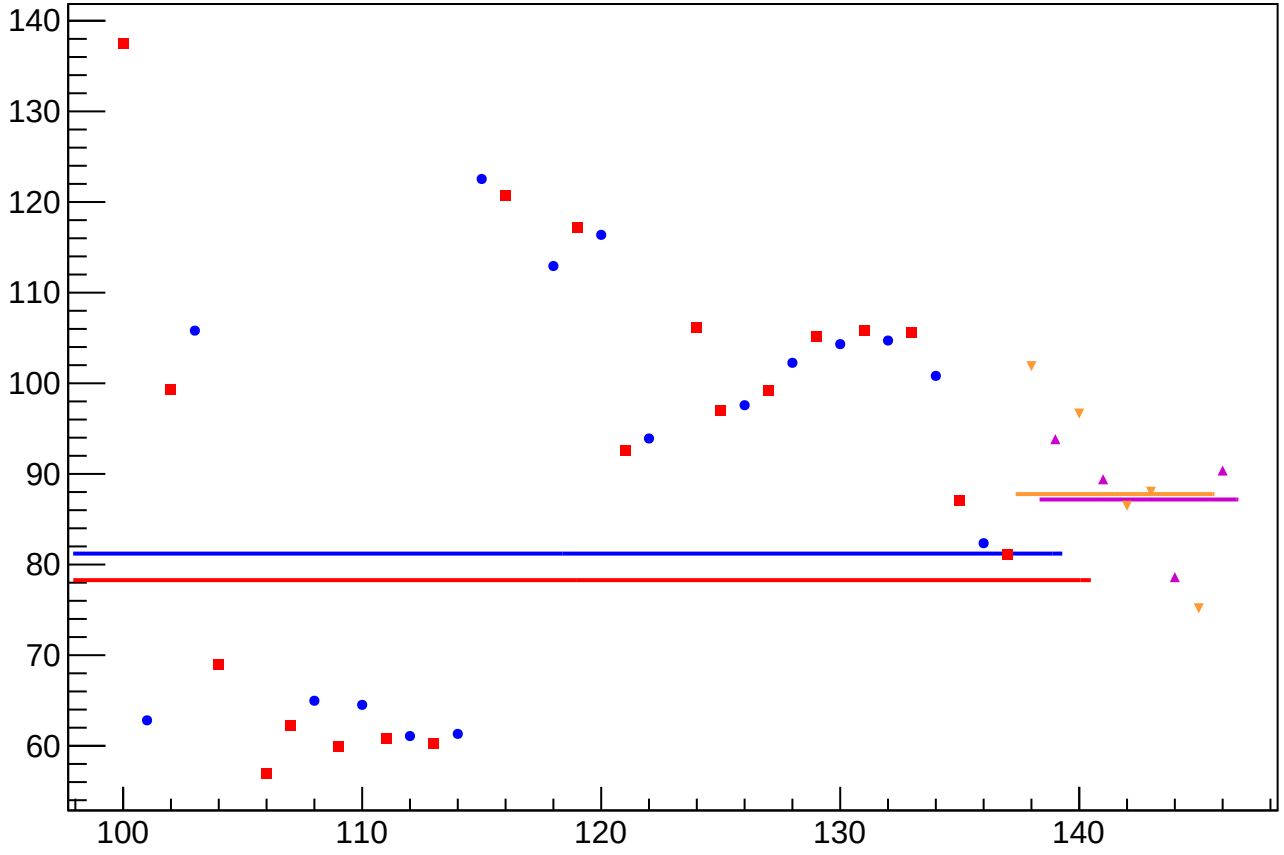
Left In: 11.265+/-46.699 χ^2/NDF:0.8/3

+ sign 14.119+/-25.857 χ^2/NDF: 25.9/20

All: -18.041+/-18.048 χ^2/NDF: 48.8/43

- sign -48.594+/-25.203 χ^2/NDF: 19.8/22

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 87.775+/-0.033 χ^2/NDF:89319.7/4

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

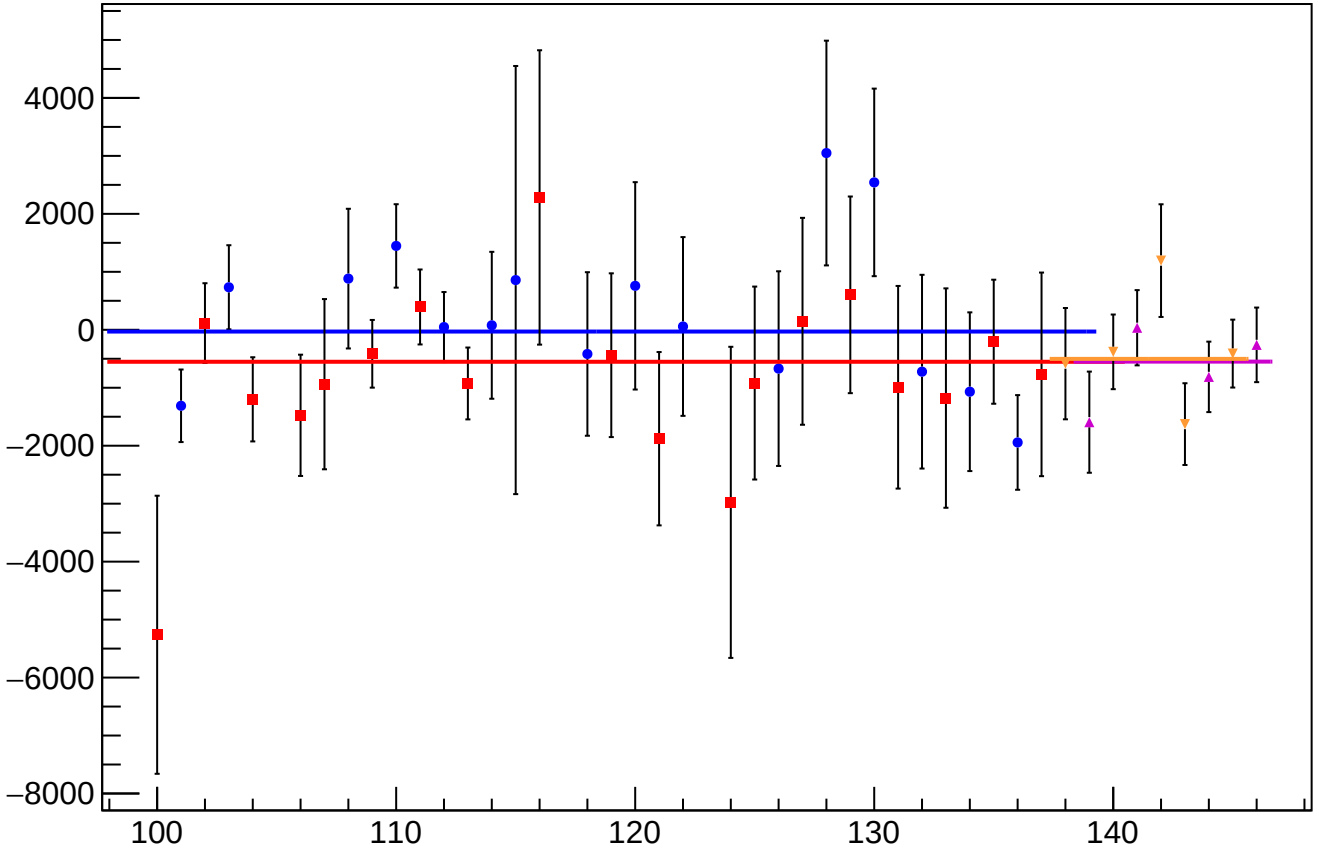
Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

+ sign 83.274+/-0.018 χ^2/NDF: 904797.2/20

All: 82.042+/-0.013 χ^2/NDF: 1934858.4/43

- sign 80.871+/-0.018 χ^2/NDF: 1021204.1/22

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -501.985+/-324.749 χ^2/NDF:5.7/4

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

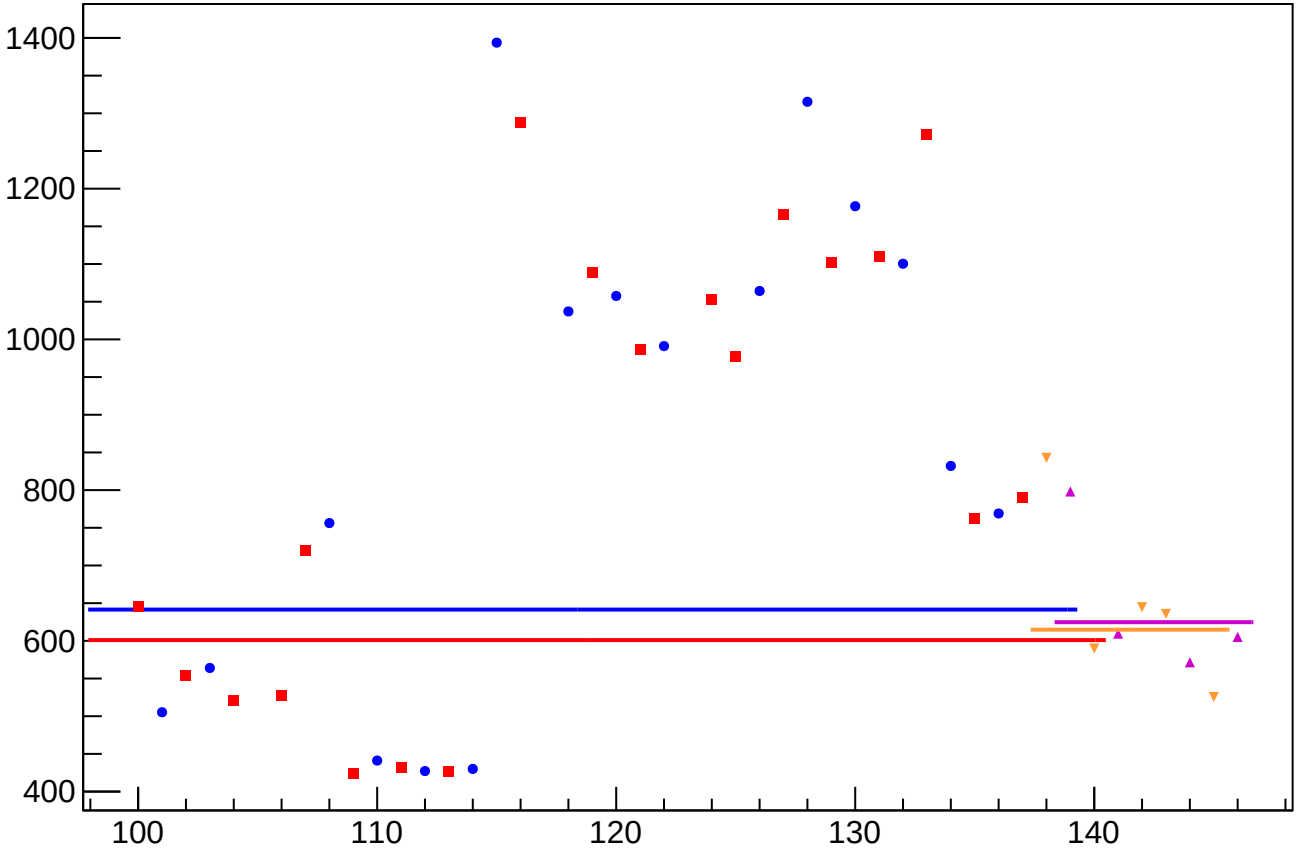
Left In: -549.053+/-336.941 χ^2/NDF:2.6/3

\+ sign -212.031+/-201.529 χ^2/NDF: 28.8/20

All: -387.308+/-140.042 χ^2/NDF: 45.7/43

\- sign -550.981+/-194.743 χ^2/NDF: 15.5/22

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 614.826+/-0.230 χ^2/NDF:166080.0/4

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

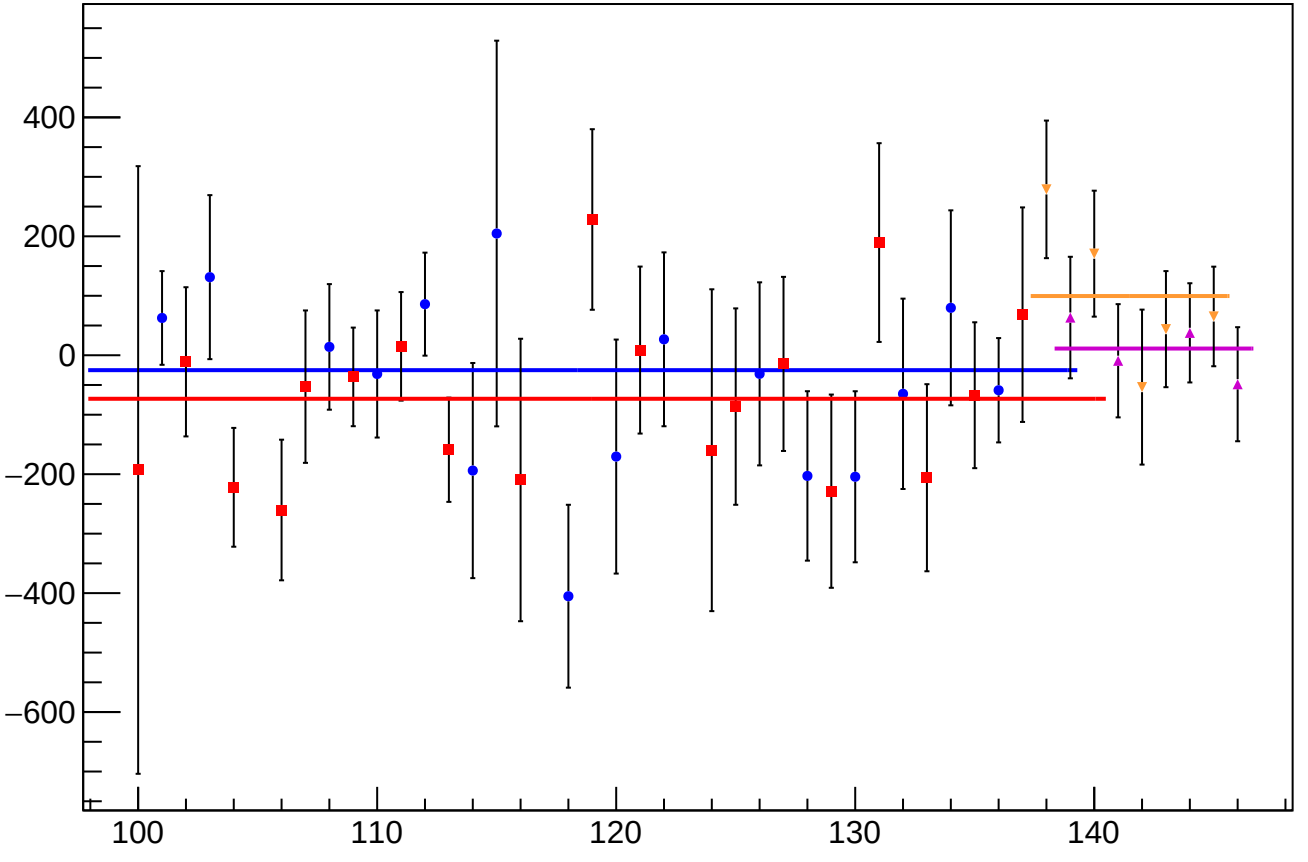
Left In: 624.792+/-0.238 χ^2/NDF:97268.6/3

+ sign 631.232+/-0.143 χ^2/NDF: 2049331.7/20

All: 619.700+/-0.099 χ^2/NDF: 4243151.7/43

- sign 608.931+/-0.138 χ^2/NDF: 2181155.5/22

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 99.564+/-46.110 χ^2/NDF:4.7/4

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

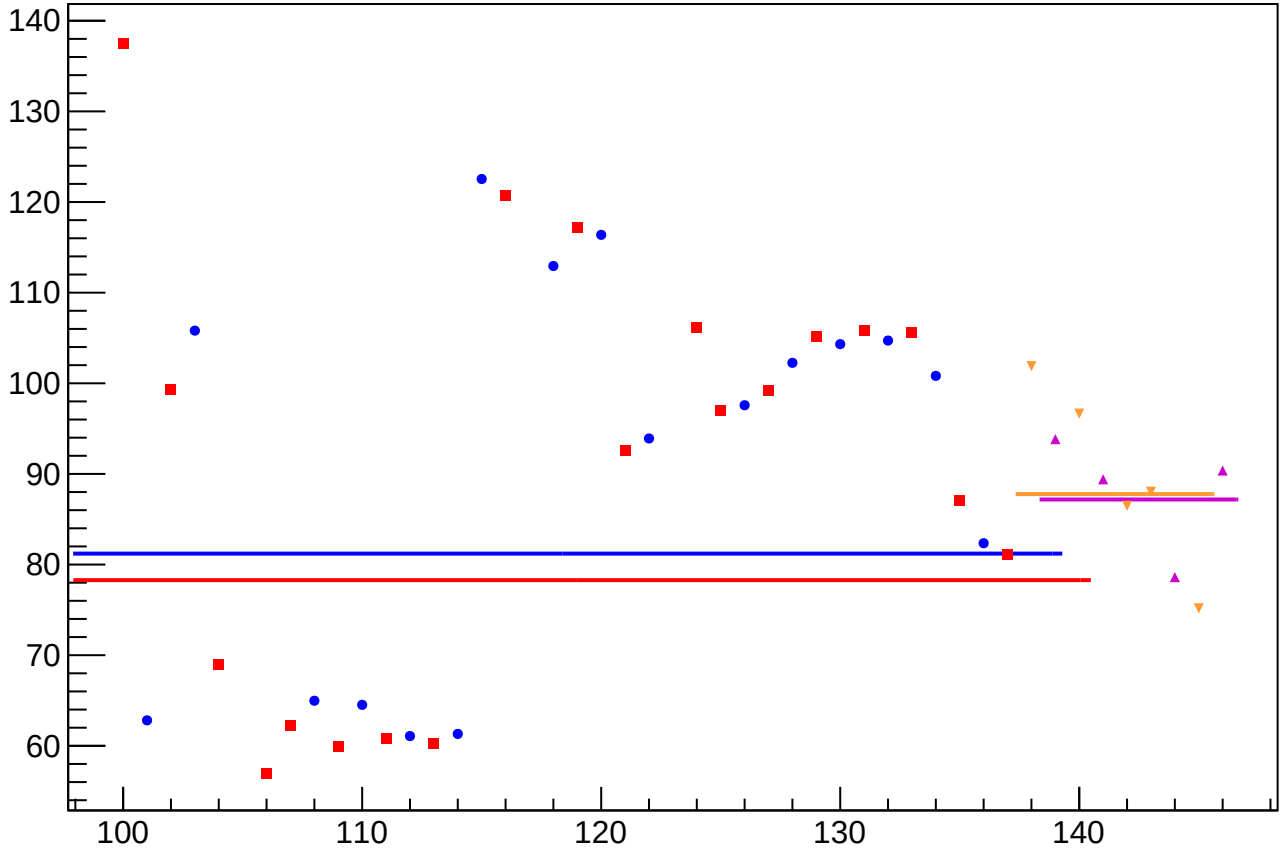
Left In: 11.265+/-46.699 χ^2/NDF:0.8/3

+ sign 14.119+/-25.857 χ^2/NDF: 25.9/20

All: -18.041+/-18.048 χ^2/NDF: 48.8/43

- sign -48.594+/-25.203 χ^2/NDF: 19.8/22

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 87.775+/-0.033 χ^2/NDF:89319.7/4

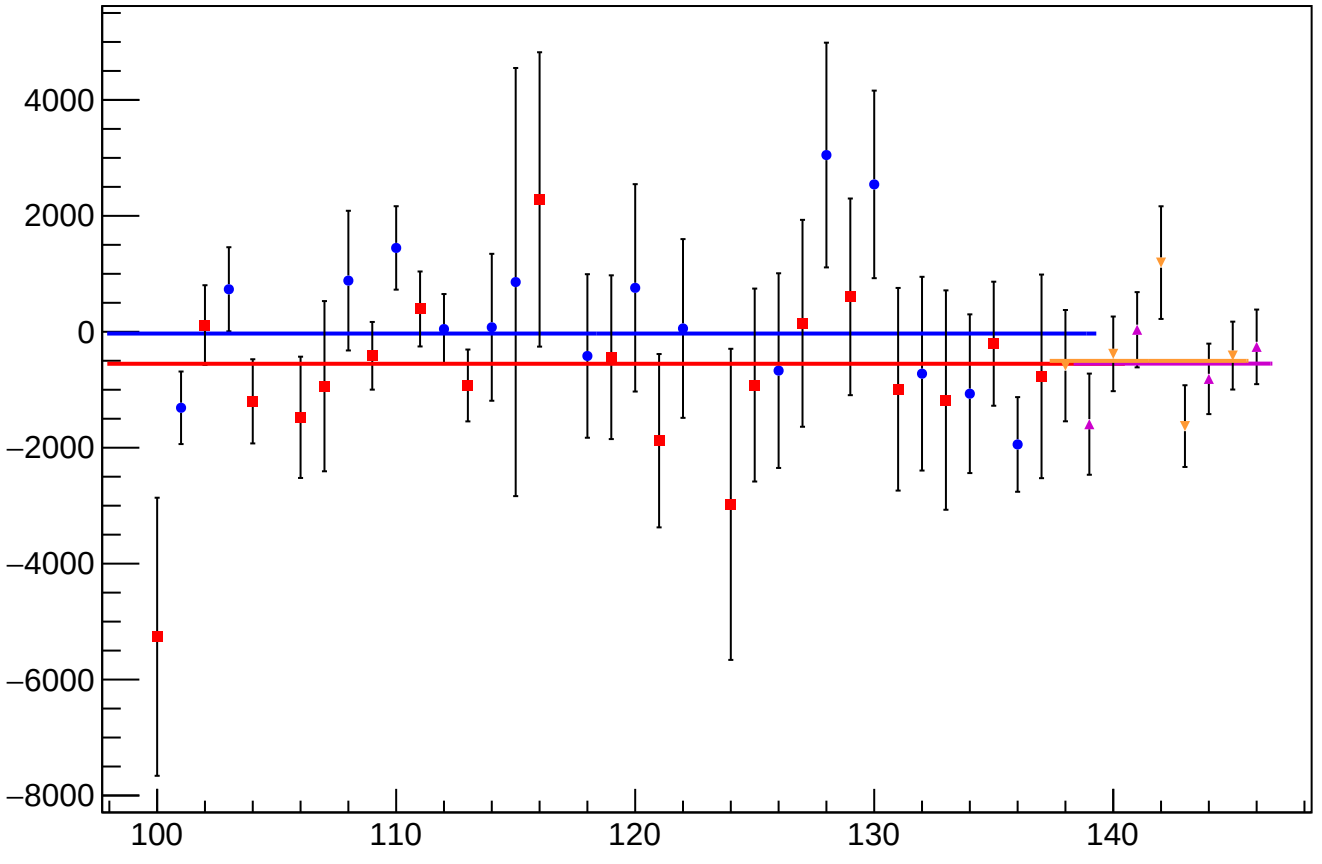
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

+ sign 83.274+/-0.018 χ^2/NDF: 904797.2/20

All: 82.042+/-0.013 χ^2/NDF: 1934858.4/43

- sign 80.871+/-0.018 χ^2/NDF: 1021204.1/22



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -501.985+/-324.749 χ^2/NDF:5.7/4

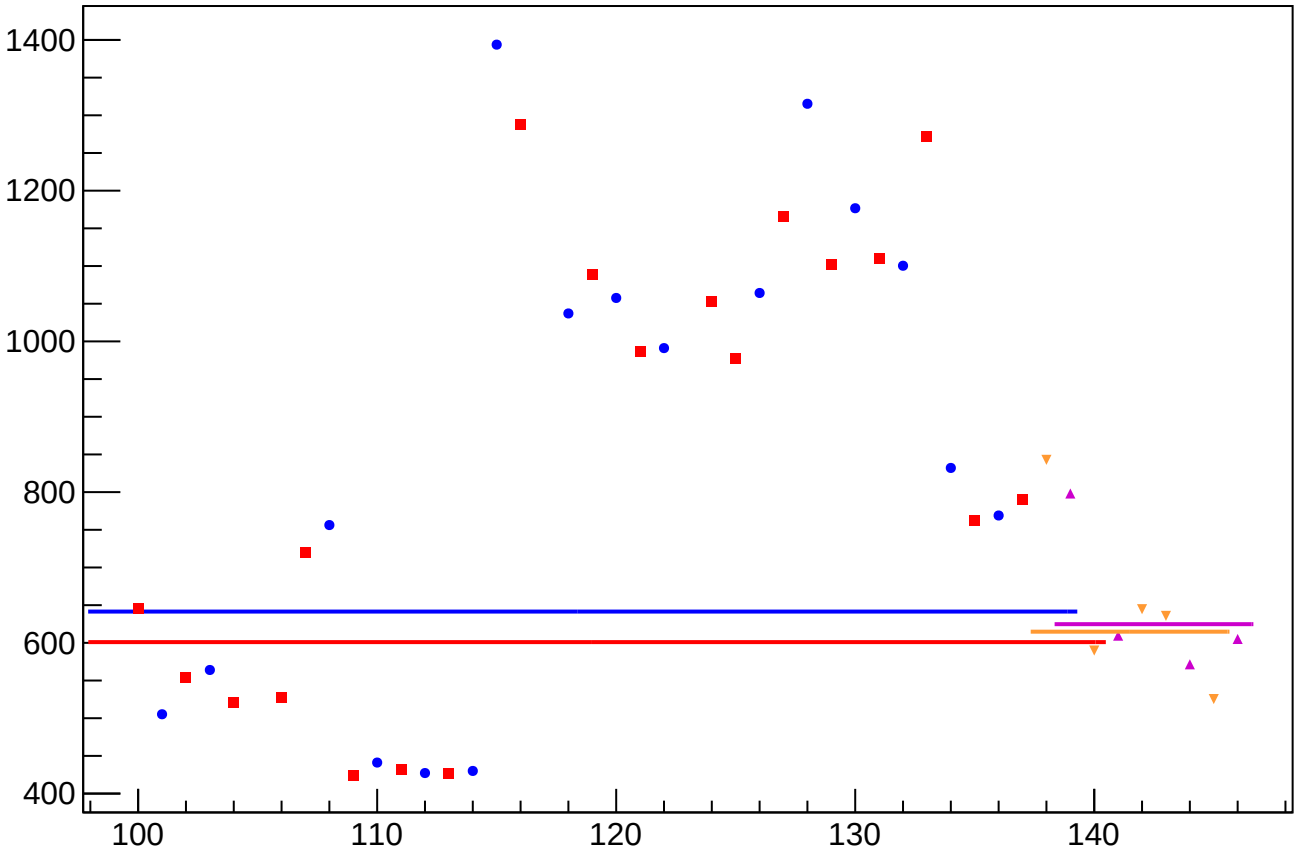
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -549.053+/-336.941 χ^2/NDF:2.6/3

+ sign -212.031+/-201.529 χ^2/NDF: 28.8/20

All: -387.308+/-140.042 χ^2/NDF: 45.7/43

- sign -550.981+/-194.743 χ^2/NDF: 15.5/22



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 614.826+/-0.230 χ^2/NDF:166080.0/4

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

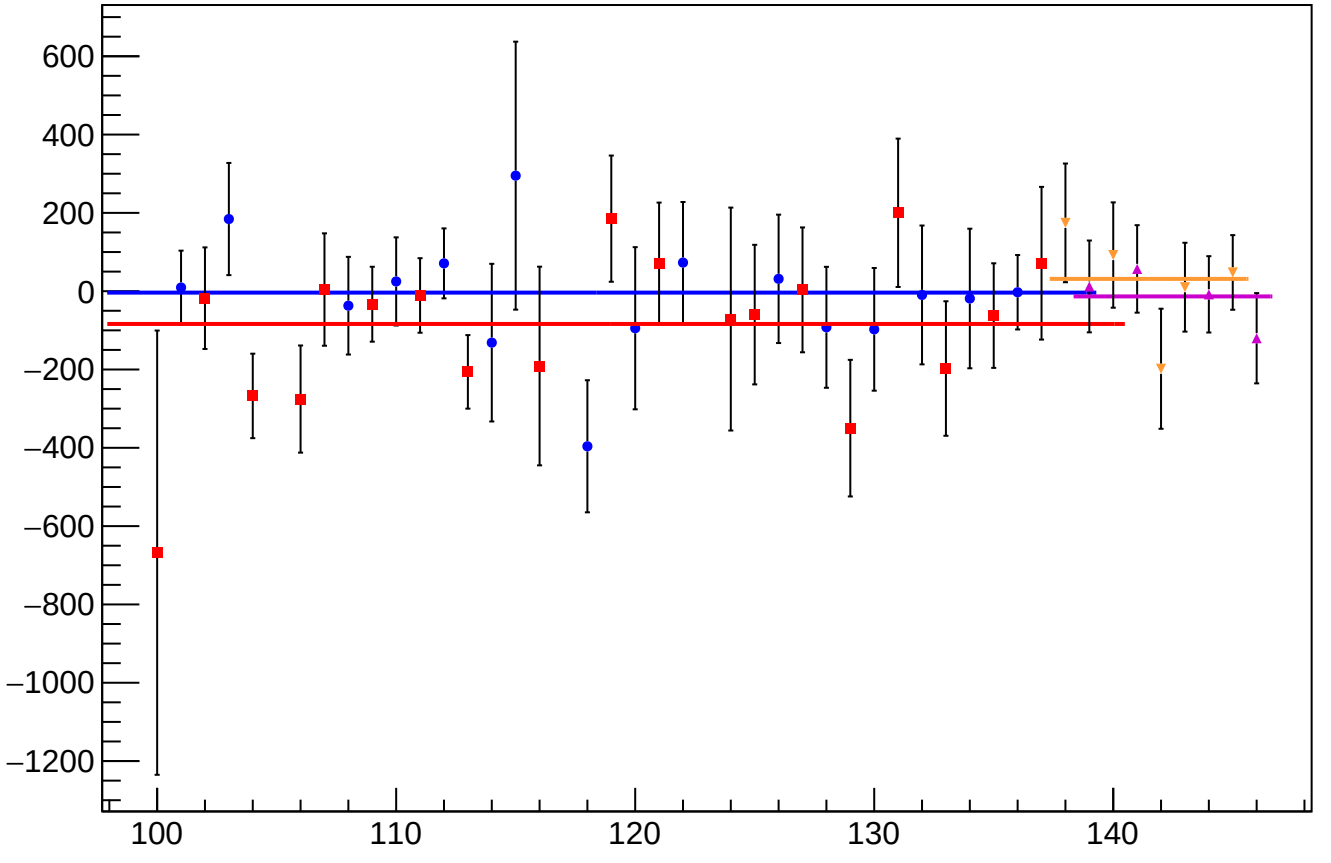
Left In: 624.792+/-0.238 χ^2/NDF:97268.6/3

+ sign 631.232+/-0.143 χ^2/NDF: 2049331.7/20

All: 619.700+/-0.099 χ^2/NDF: 4243151.7/43

- sign 608.931+/-0.138 χ^2/NDF: 2181155.5/22

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 31.417+/-55.121 χ^2/NDF:3.4/4

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

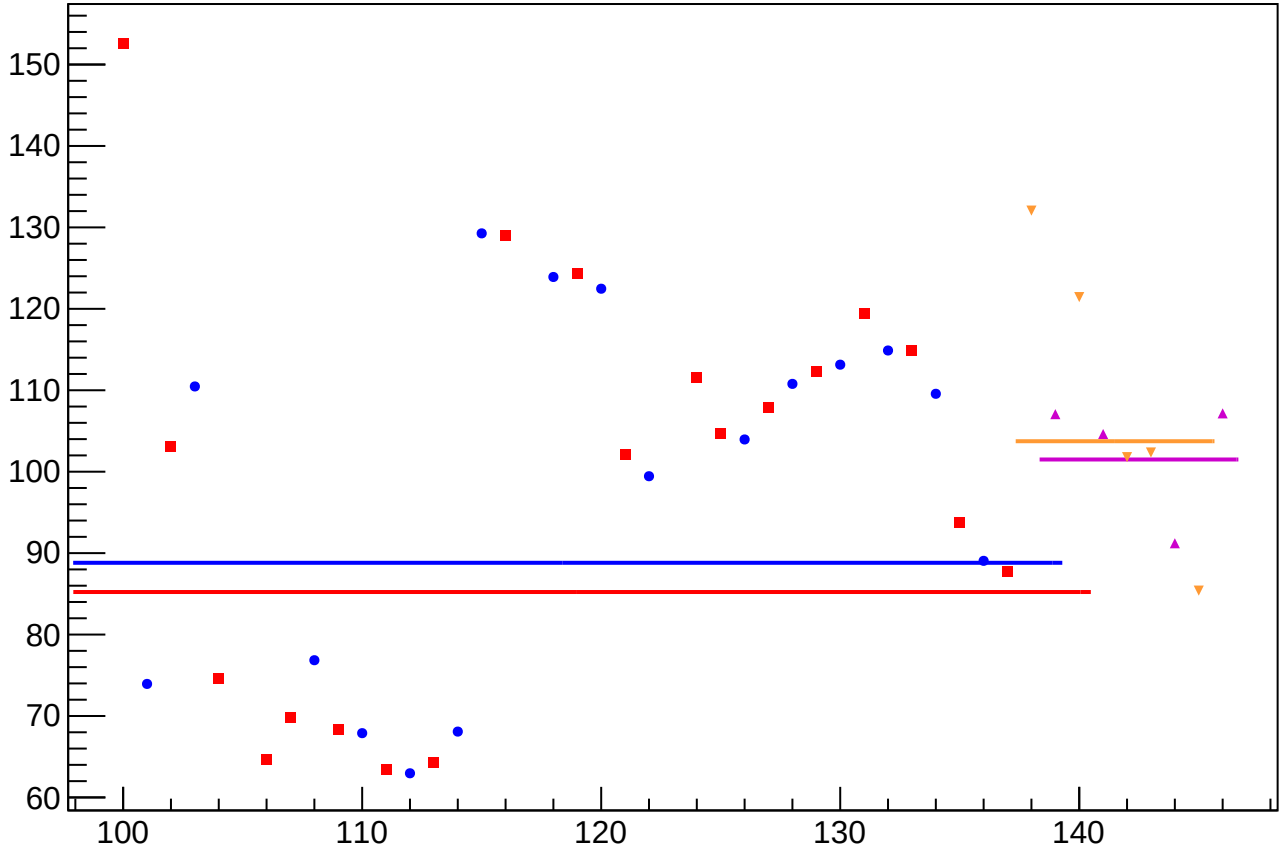
Left In: -13.330+/-54.768 χ^2/NDF:1.3/3

+ sign 6.088+/-29.031 χ^2/NDF: 14.0/20

All: -30.826+/-20.166 χ^2/NDF: 38.7/43

- sign -65.246+/-28.034 χ^2/NDF: 21.6/22

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 103.741+/-0.039 χ^2/NDF:179204.3/4

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

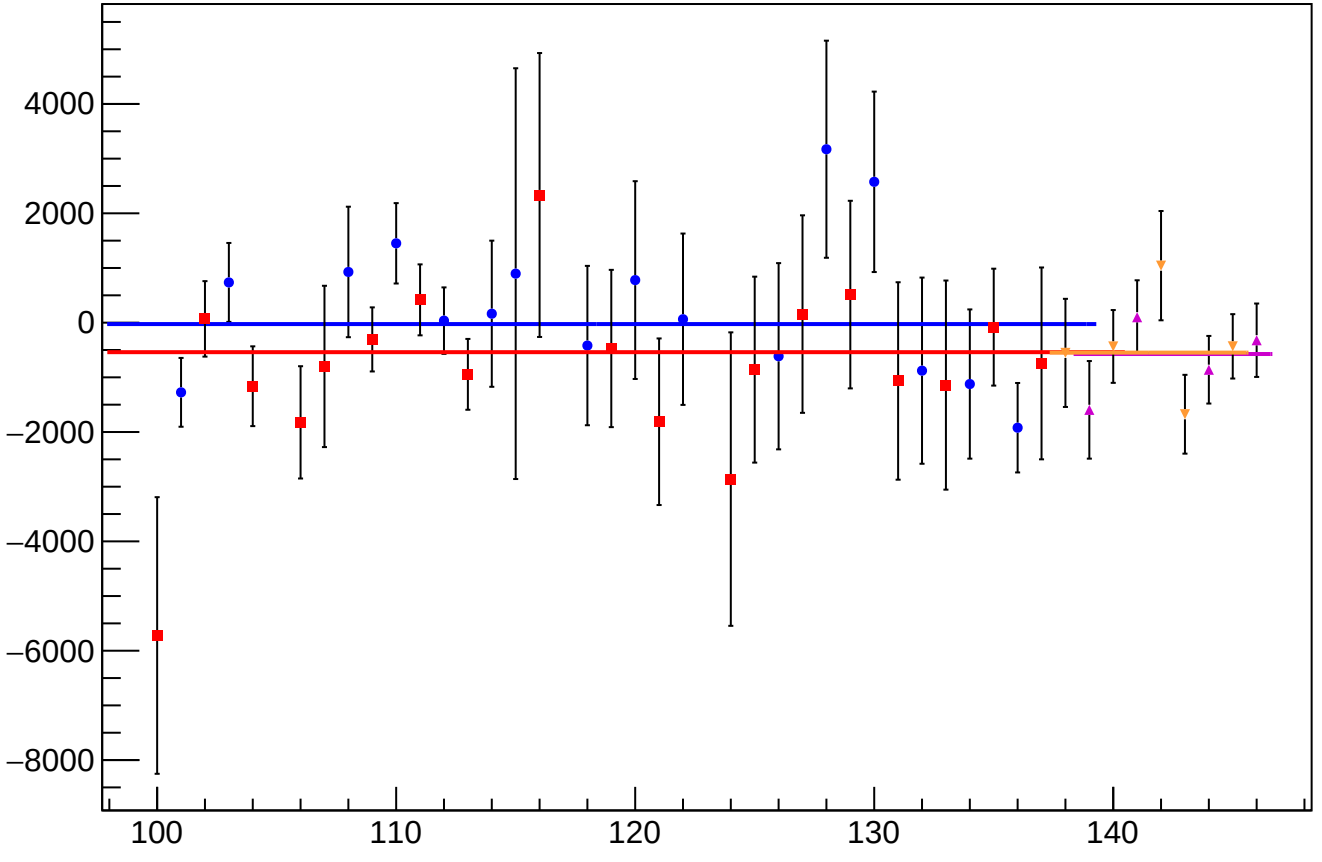
Left In: 101.498+/-0.039 χ^2/NDF:33182.1/3

+ sign 92.954+/-0.021 χ^2/NDF: 1009806.1/20

All: 91.161+/-0.014 χ^2/NDF: 2072128.6/43

- sign 89.488+/-0.020 χ^2/NDF: 1047572.3/22

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -547.565+/-331.687 χ^2/NDF:5.0/4

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

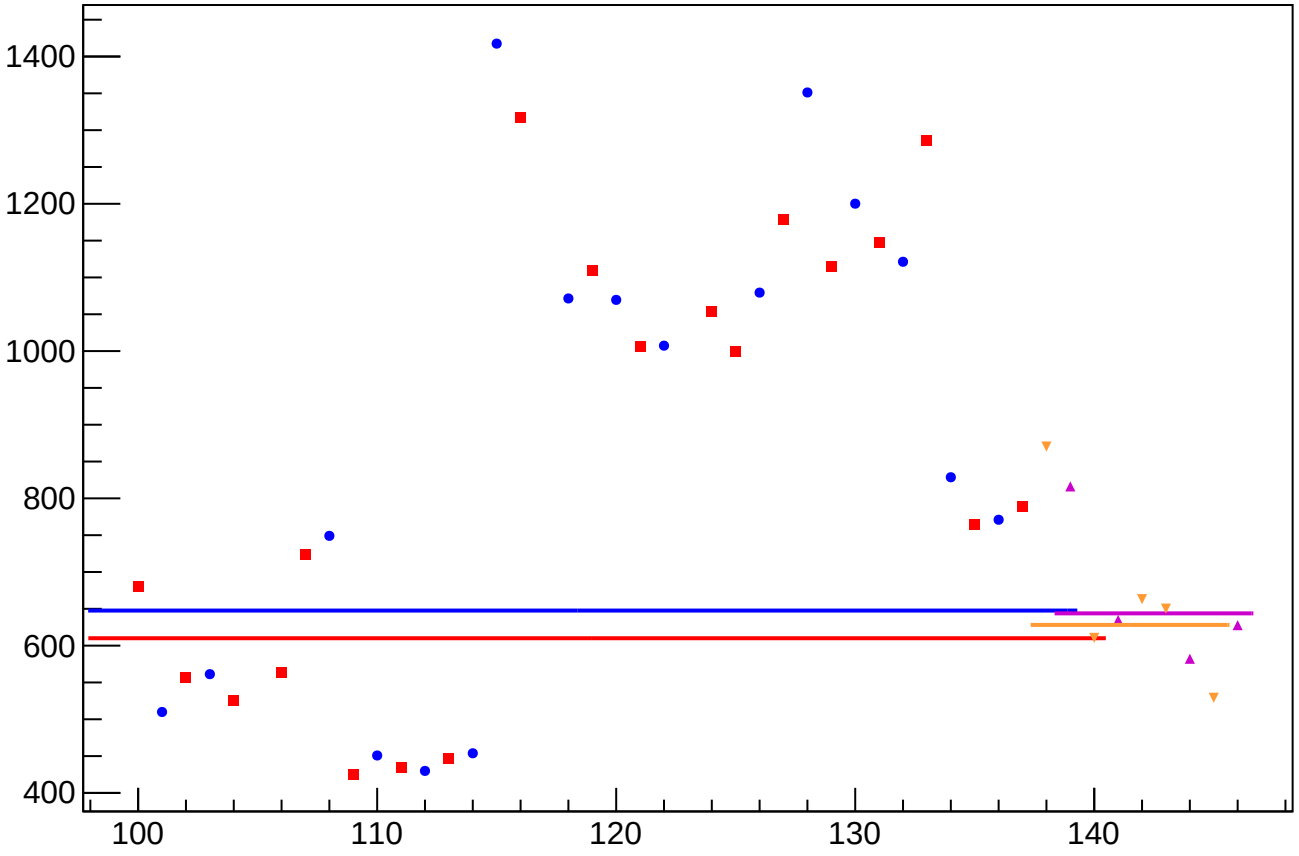
Left In: -573.353+/-347.522 χ^2/NDF:2.7/3

+ sign -223.797+/-204.334 χ^2/NDF: 28.1/20

All: -392.200+/-142.257 χ^2/NDF: 45.8/43

- sign -550.599+/-198.172 χ^2/NDF: 16.3/22

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 628.148+/-0.235 χ^2/NDF:182166.8/4

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

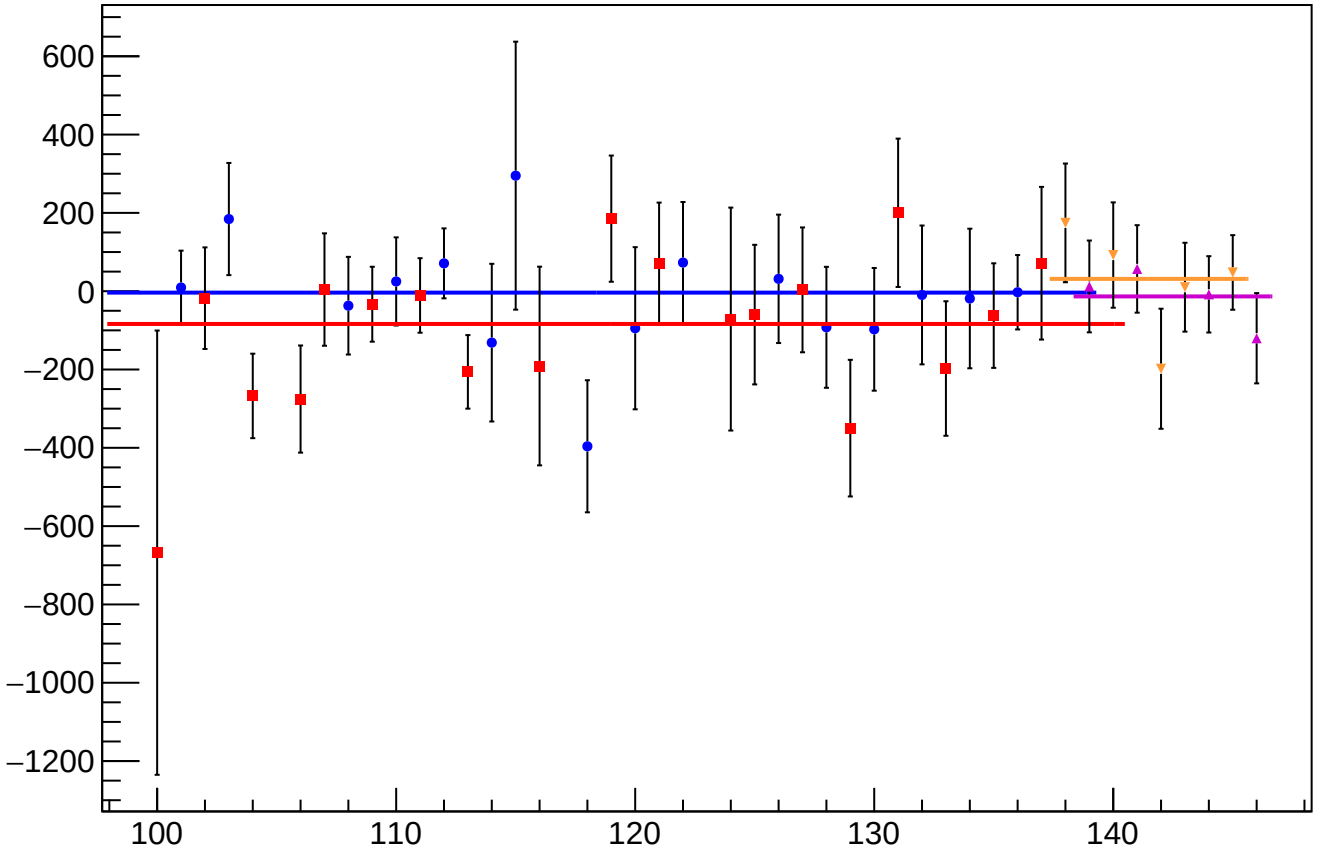
Left In: 643.824+/-0.246 χ^2/NDF:95973.6/3

+ sign 640.243+/-0.144 χ^2/NDF: 2074268.7/20

All: 630.347+/-0.101 χ^2/NDF: 4266332.7/43

- sign 621.040+/-0.140 χ^2/NDF: 2182961.5/22

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 31.417+/-55.121 χ^2/NDF:3.4/4

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

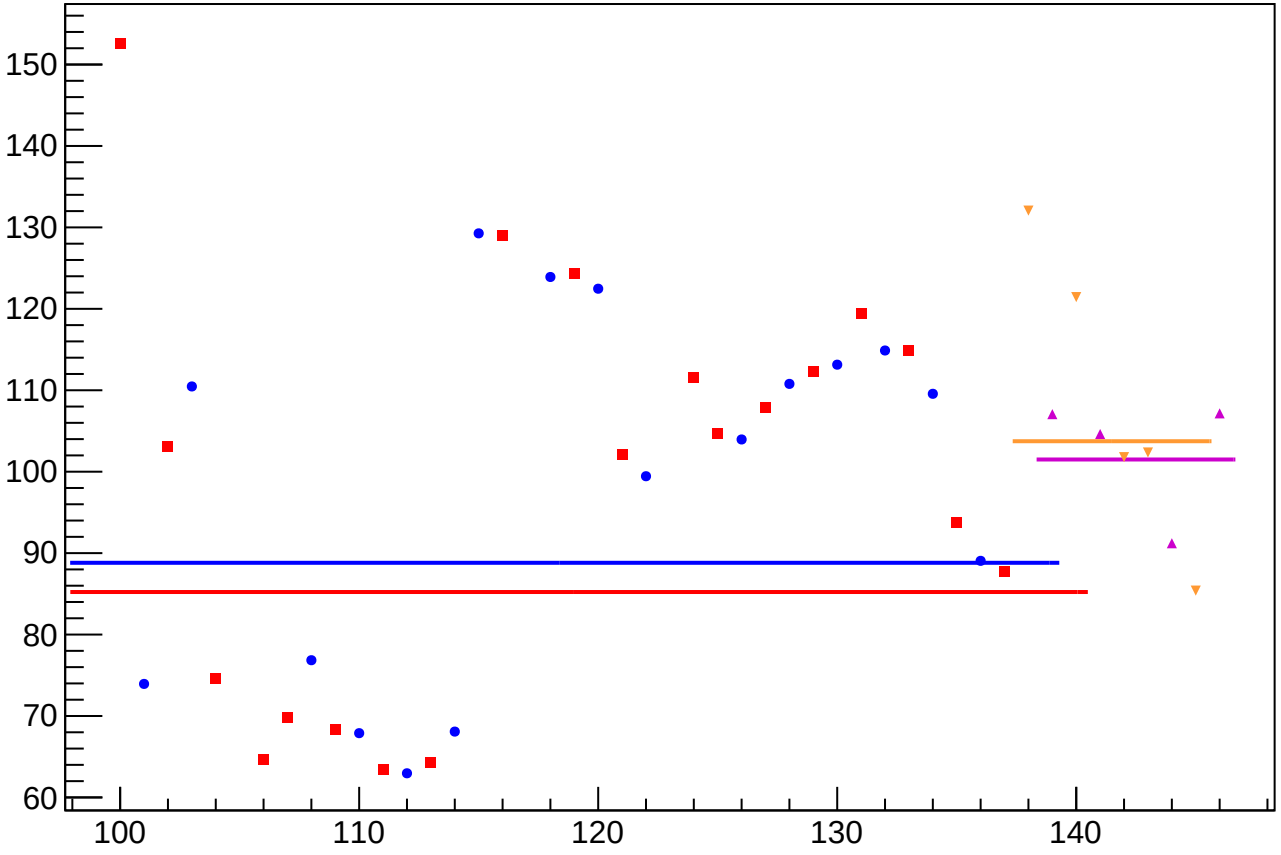
Left In: -13.331+/-54.768 χ^2/NDF:1.3/3

+ sign 6.089+/-29.031 χ^2/NDF: 14.0/20

All: -30.825+/-20.166 χ^2/NDF: 38.7/43

- sign -65.246+/-28.034 χ^2/NDF: 21.6/22

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 103.741+/-0.039 χ^2/NDF:179202.7/4

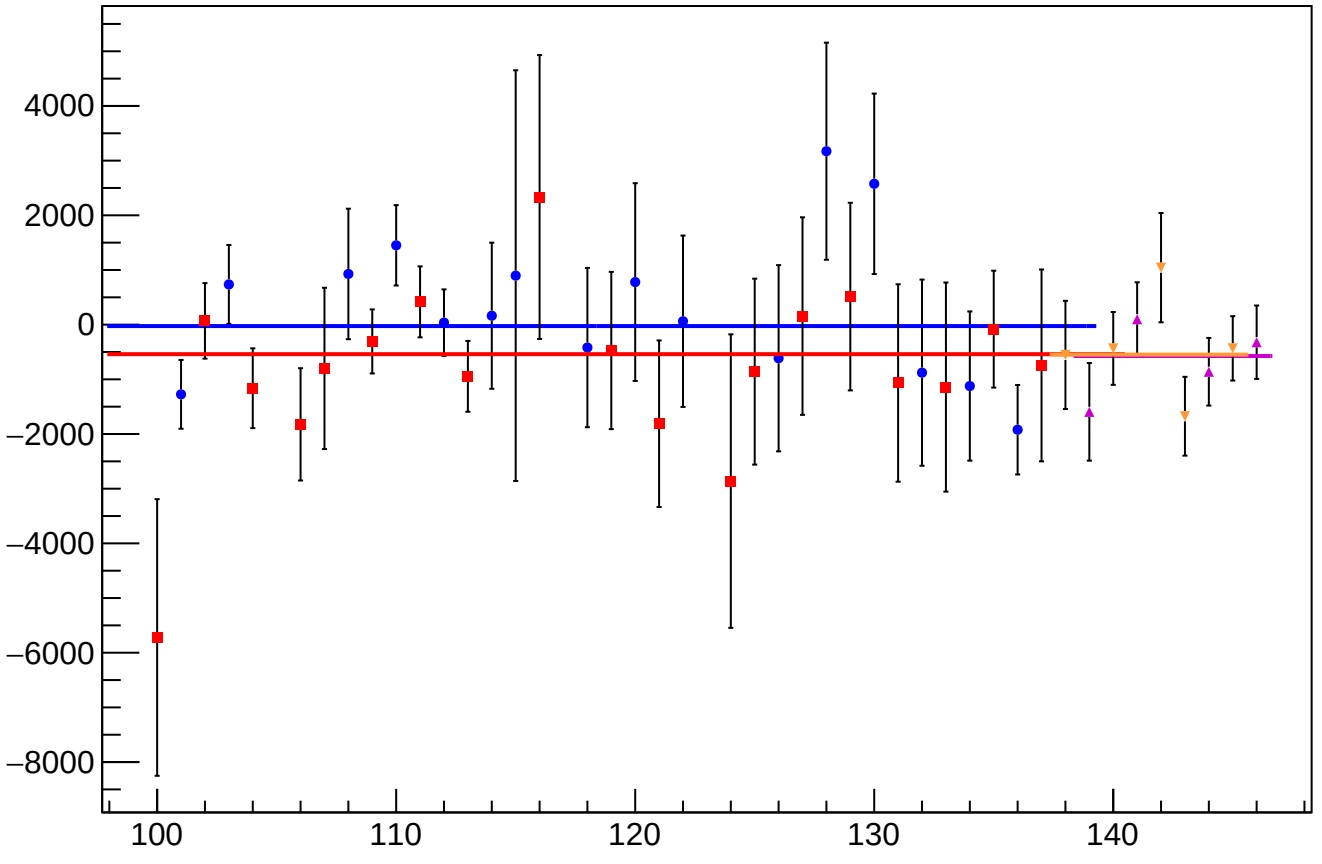
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 101.499+/-0.039 χ^2/NDF:33182.4/3

+ sign 92.954+/-0.021 χ^2/NDF: 1009807.9/20

All: 91.161+/-0.014 χ^2/NDF: 2072137.6/43

- sign 89.489+/-0.020 χ^2/NDF: 1047579.5/22



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -547.566+/-331.687 χ^2/NDF:5.0/4

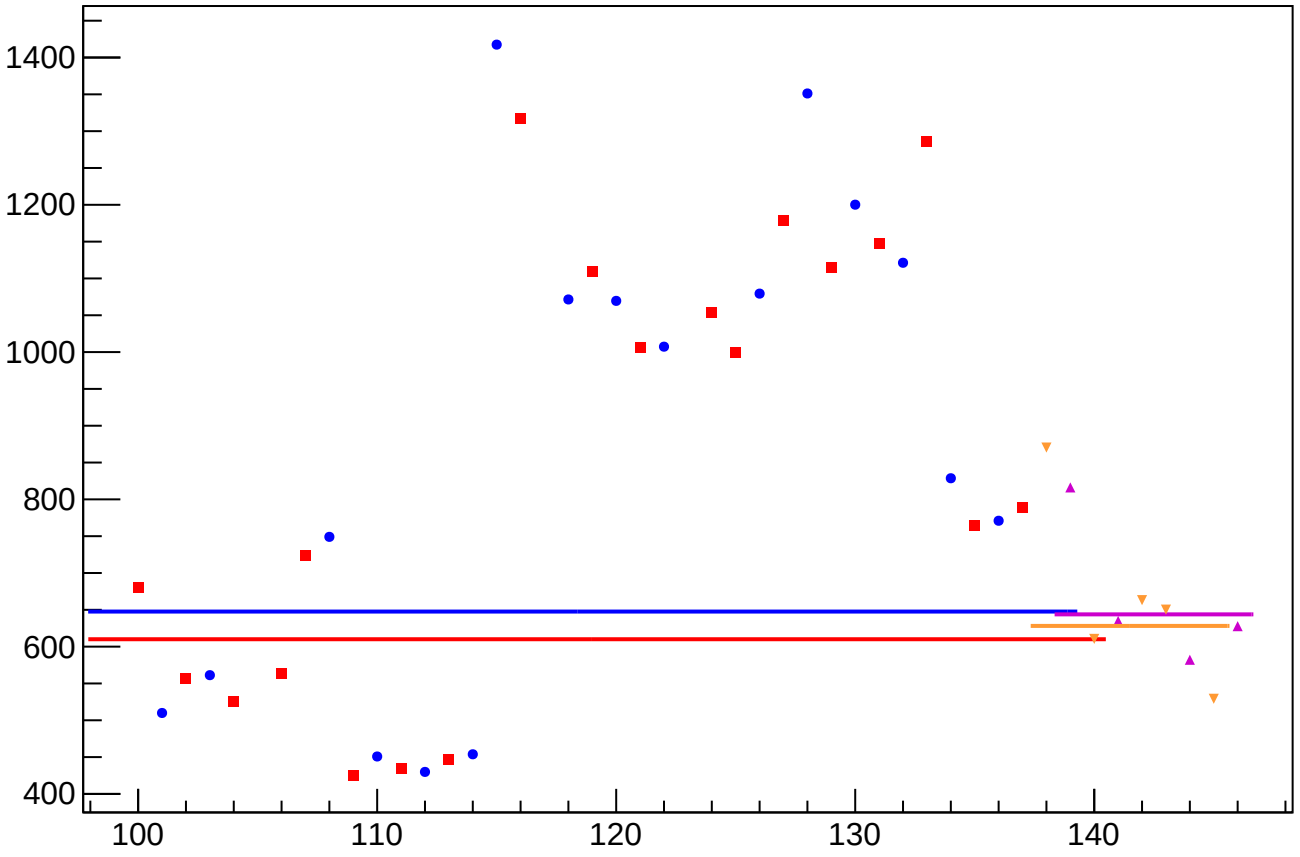
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -573.353+/-347.522 χ^2/NDF:2.7/3

+ sign -223.797+/-204.333 χ^2/NDF: 28.1/20

All: -392.200+/-142.257 χ^2/NDF: 45.8/43

- sign -550.599+/-198.171 χ^2/NDF: 16.3/22



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 628.147+/-0.235 χ^2/NDF:182167.8/4

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

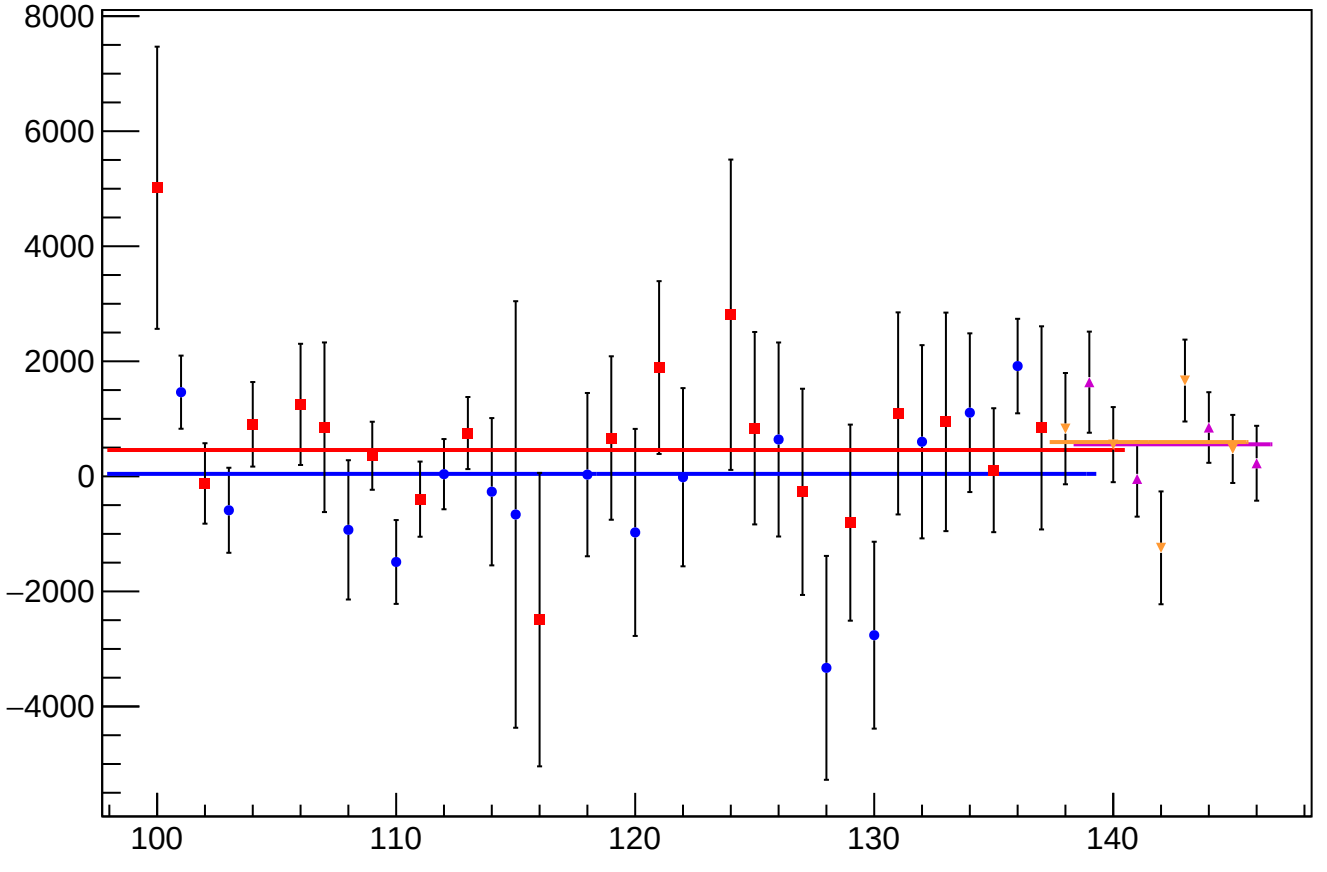
Left In: 643.824+/-0.246 χ^2/NDF:95973.5/3

+ sign 640.242+/-0.144 χ^2/NDF: 2074274.3/20

All: 630.347+/-0.101 χ^2/NDF: 4266341.4/43

- sign 621.039+/-0.140 χ^2/NDF: 2182964.7/22

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 596.371+/-328.181 χ^2/NDF:5.9/4

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

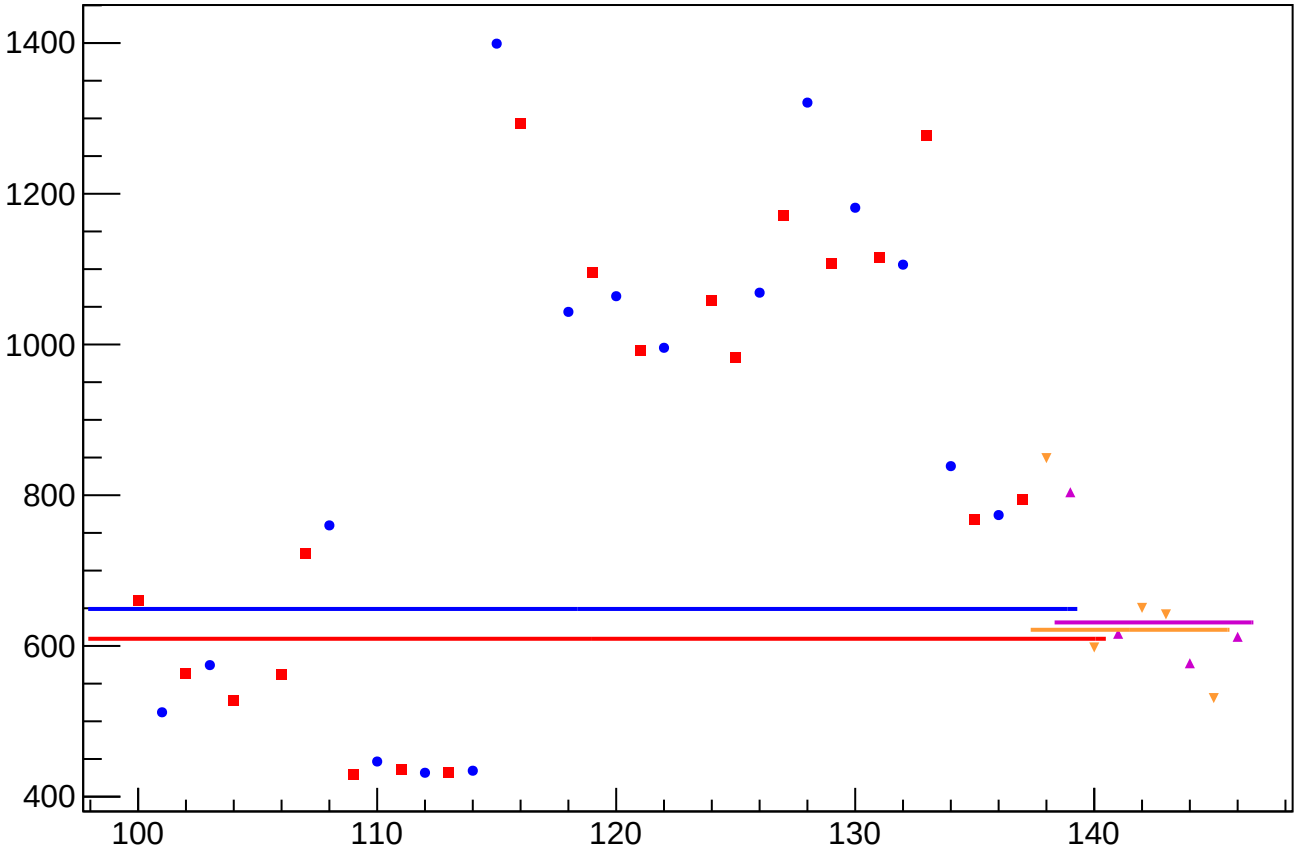
Left In: 557.052+/-340.328 χ^2/NDF:2.8/3

+ sign 256.278+/-203.696 χ^2/NDF: 30.8/20

All: 377.805+/-141.513 χ^2/NDF: 45.7/43

- sign 491.177+/-196.744 χ^2/NDF: 14.1/22

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 621.445+/-0.232 χ^2/NDF:163825.5/4

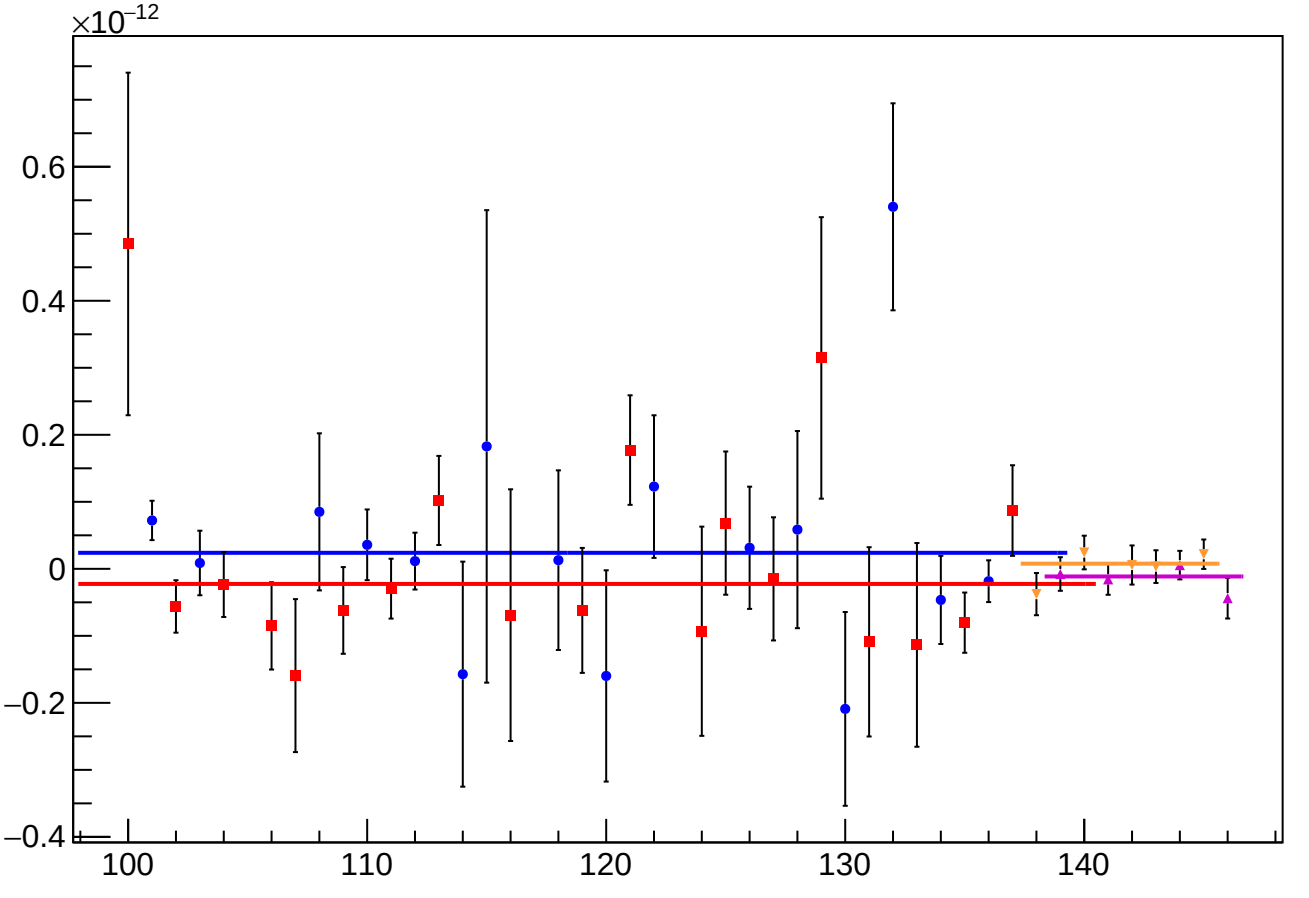
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 631.204+/-0.241 χ^2/NDF:95622.6/3

+ sign 638.440+/-0.144 χ^2/NDF: 2018366.0/20

All: 627.226+/-0.100 χ^2/NDF: 4174704.2/43

- sign 616.764+/-0.139 χ^2/NDF: 2144621.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

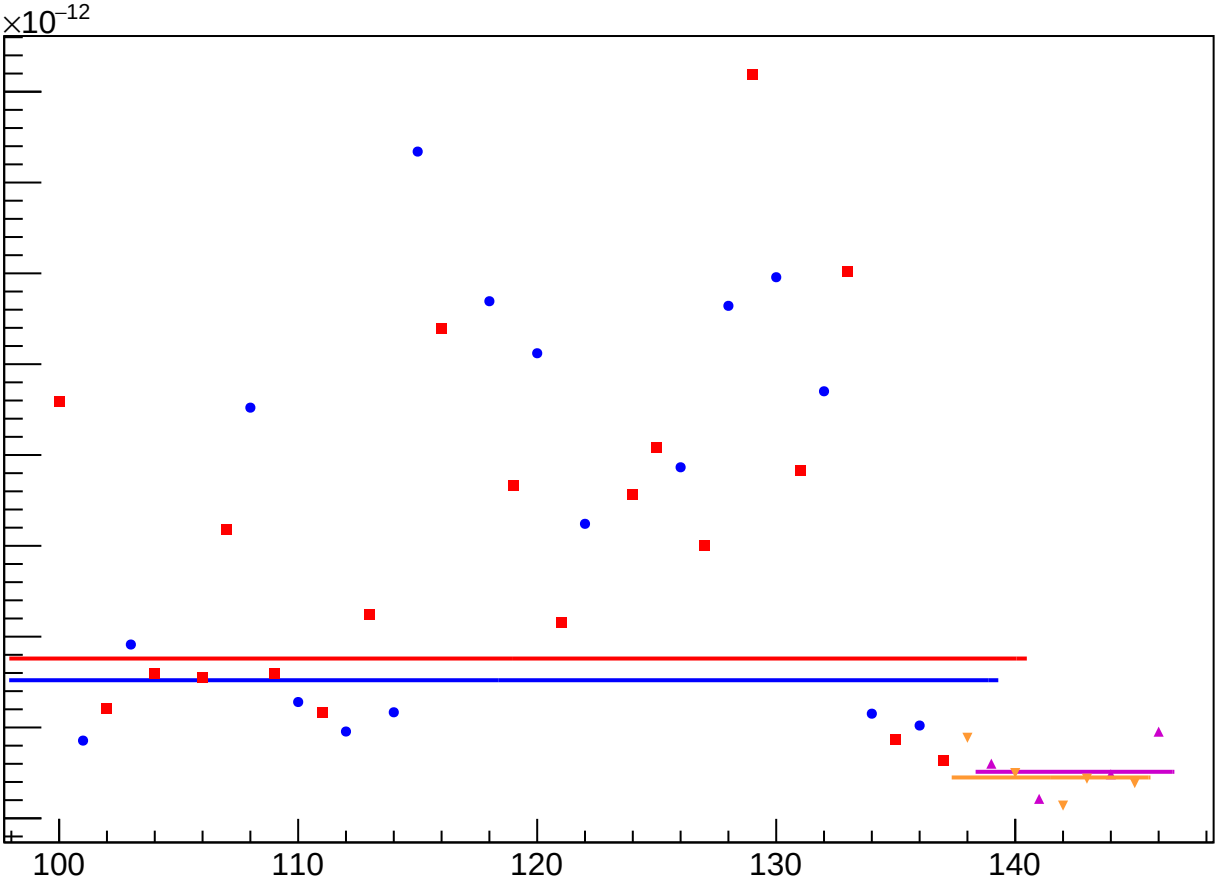
Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/20

All: 0.000+/-0.000 χ^2/NDF: 59.8/43

- sign -0.000+/-0.000 χ^2/NDF: 27.8/22

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:63400.8/4

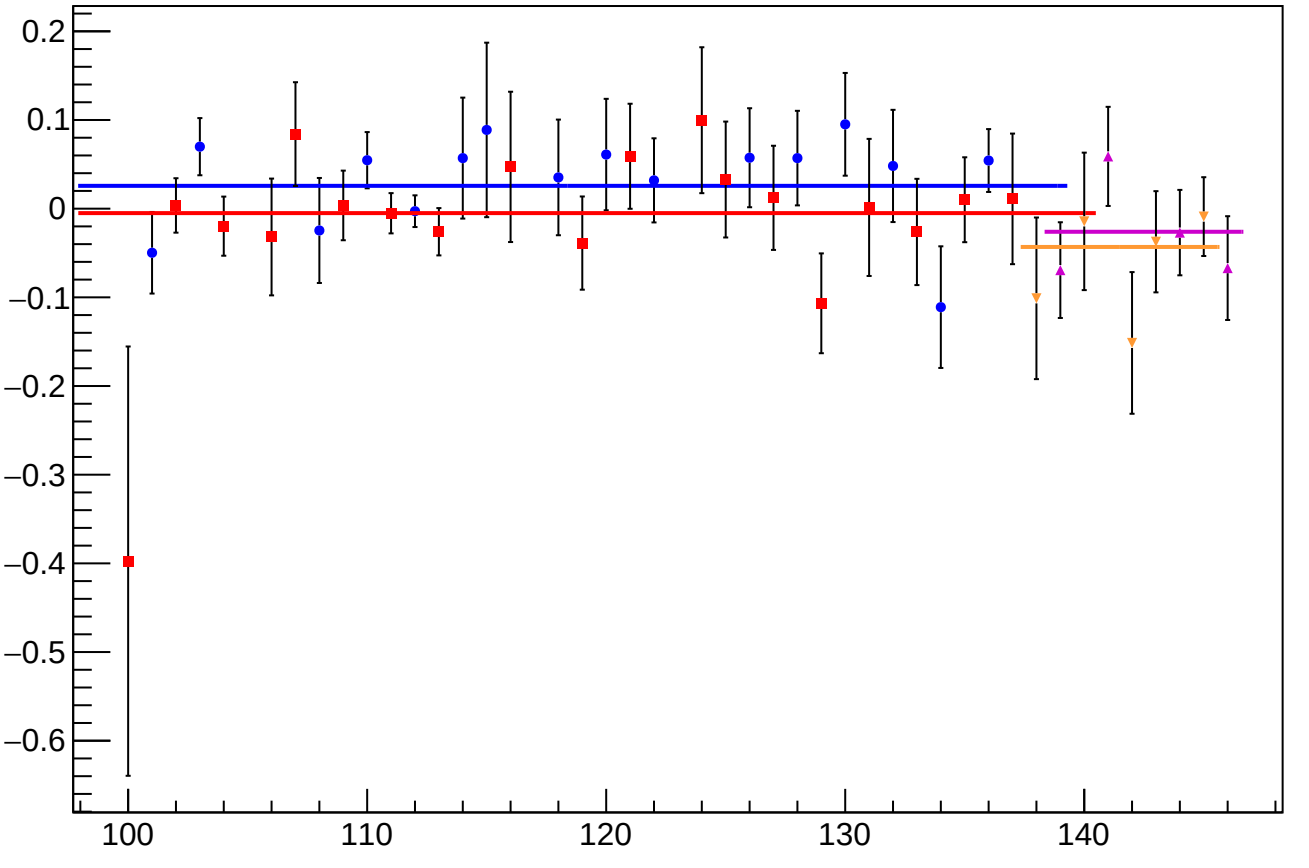
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:78534.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 2004816.3/20

All: 0.000+/-0.000 χ^2/NDF: 3836262.0/43

- sign 0.000+/-0.000 χ^2/NDF: 1816445.1/22



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.043+/-0.028 χ^2/NDF:3.0/4

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

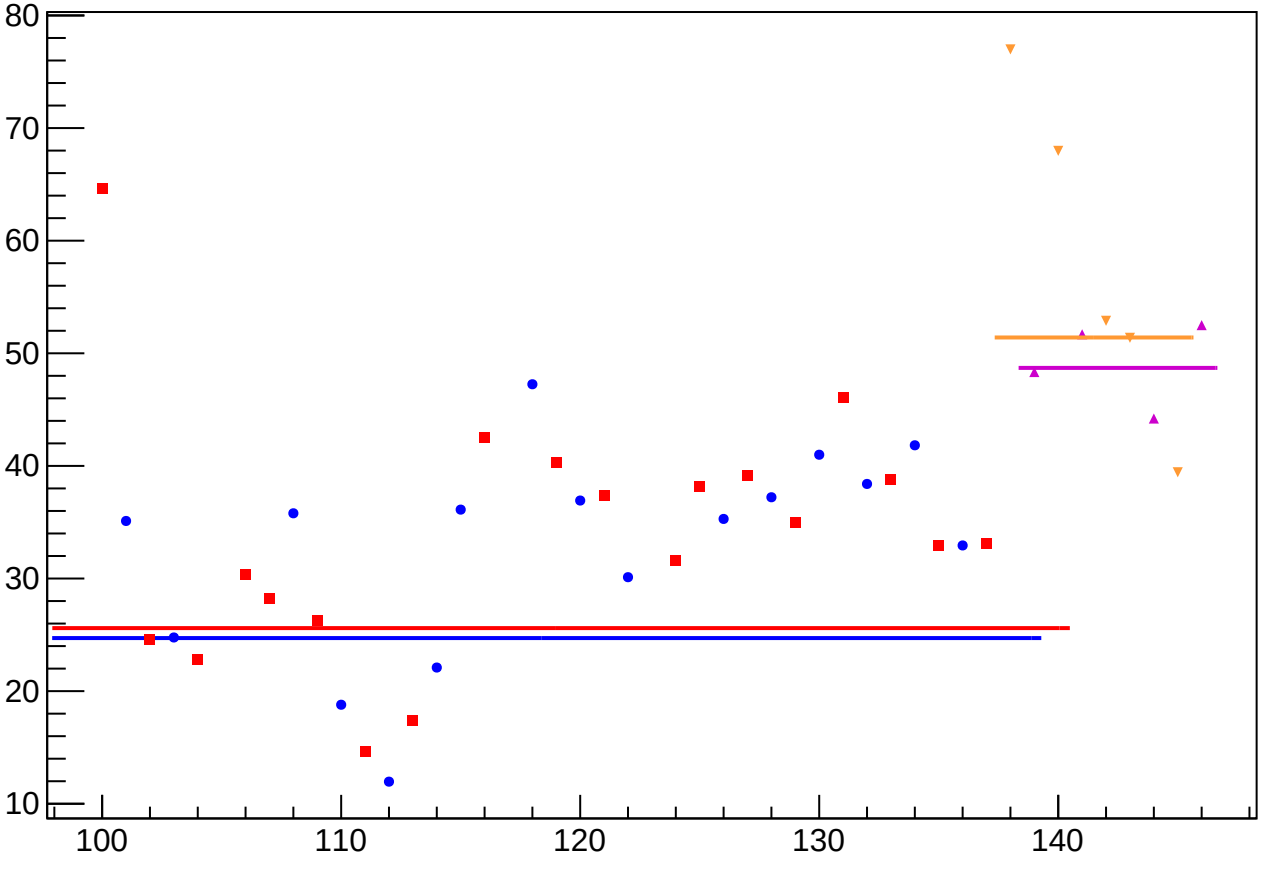
Left In: -0.026+/-0.027 χ^2/NDF:3.4/3

+ sign 0.018+/-0.010 χ^2/NDF: 24.8/20

All: 0.005+/-0.007 χ^2/NDF: 45.7/43

- sign -0.008+/-0.010 χ^2/NDF: 17.6/22

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 51.404+/-0.020 χ^2/NDF:394871.8/4

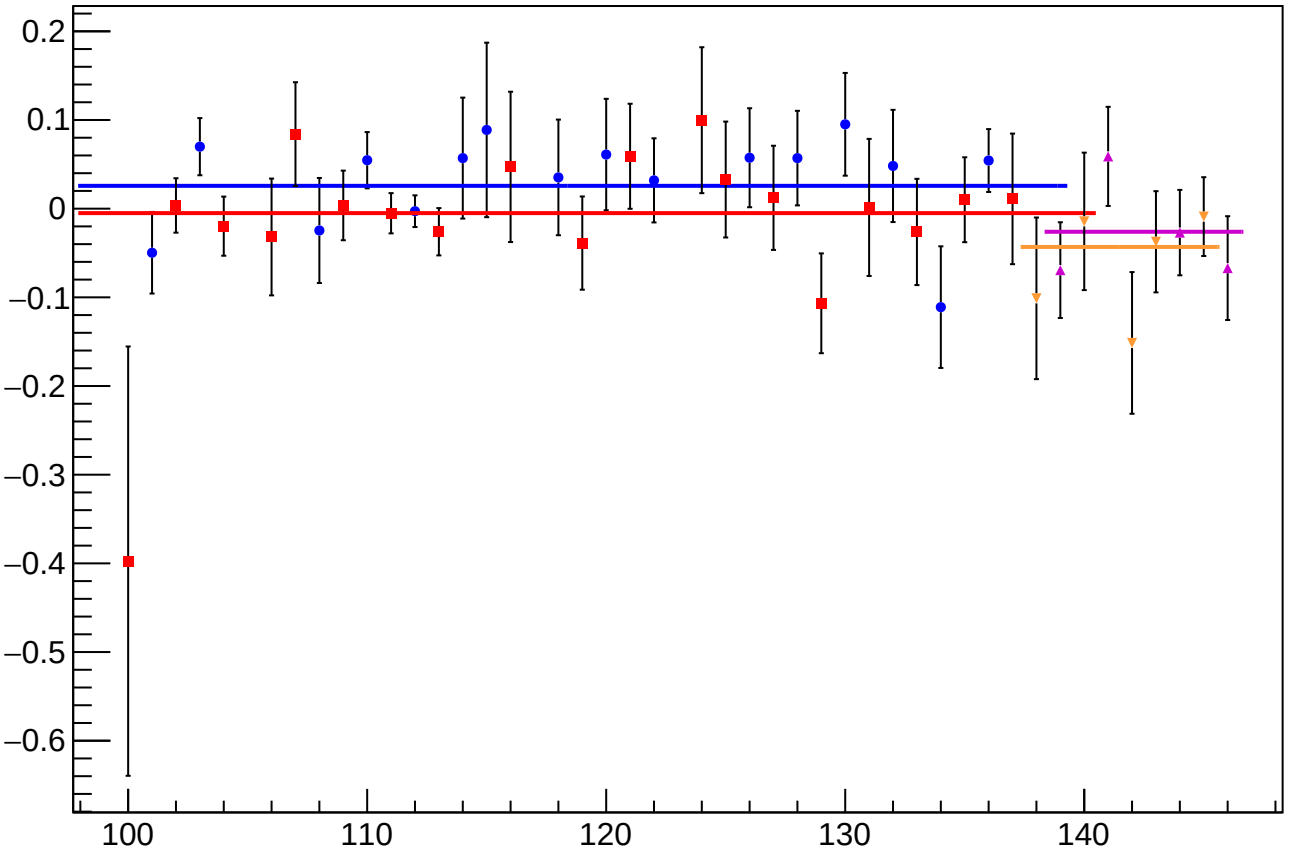
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 48.704+/-0.019 χ^2/NDF:31648.6/3

+ sign 27.884+/-0.007 χ^2/NDF: 4268576.7/20

All: 28.237+/-0.005 χ^2/NDF: 7199992.8/43

- sign 28.585+/-0.007 χ^2/NDF: 2926185.1/22



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.043+/-0.028 χ^2/NDF:3.0/4

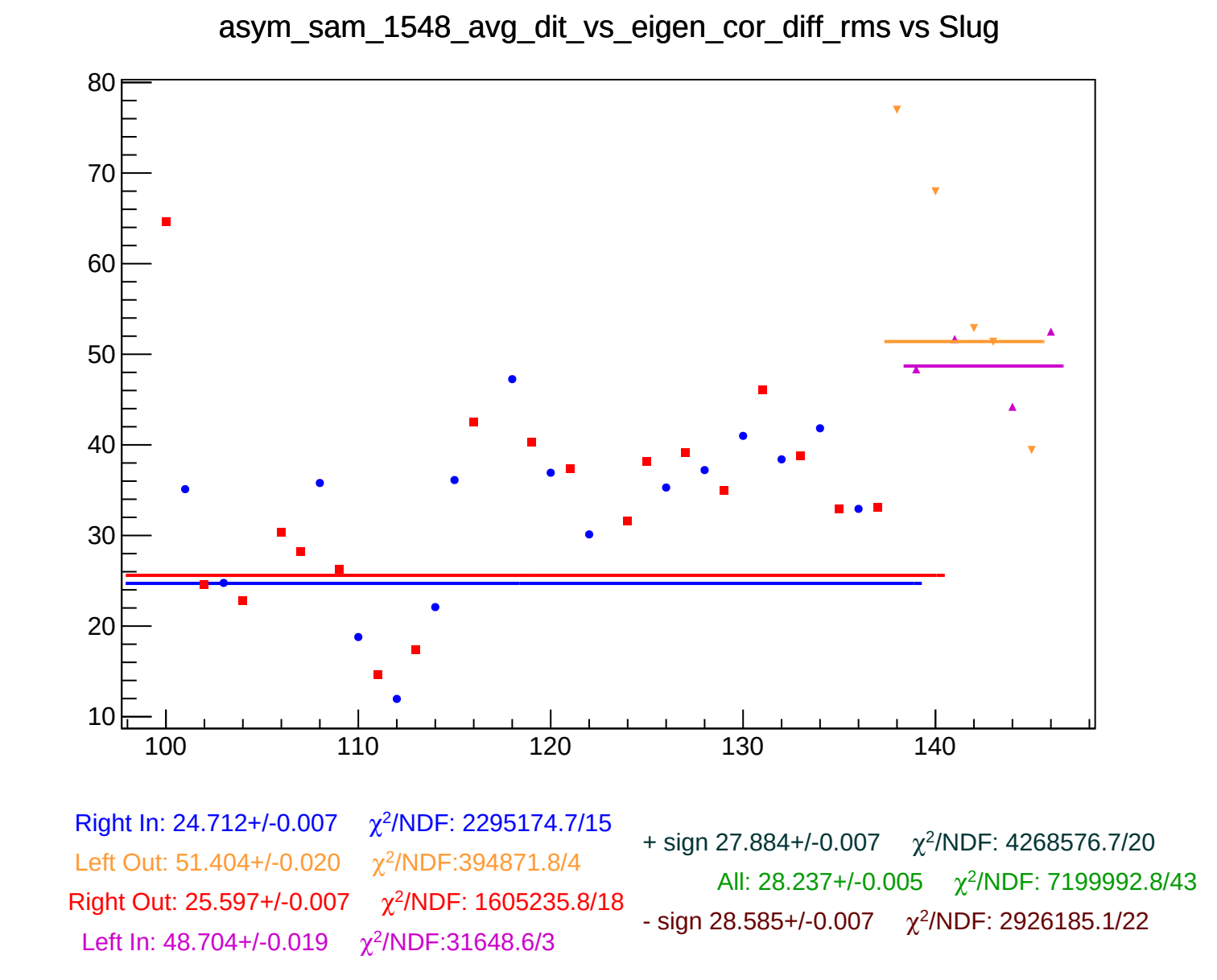
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

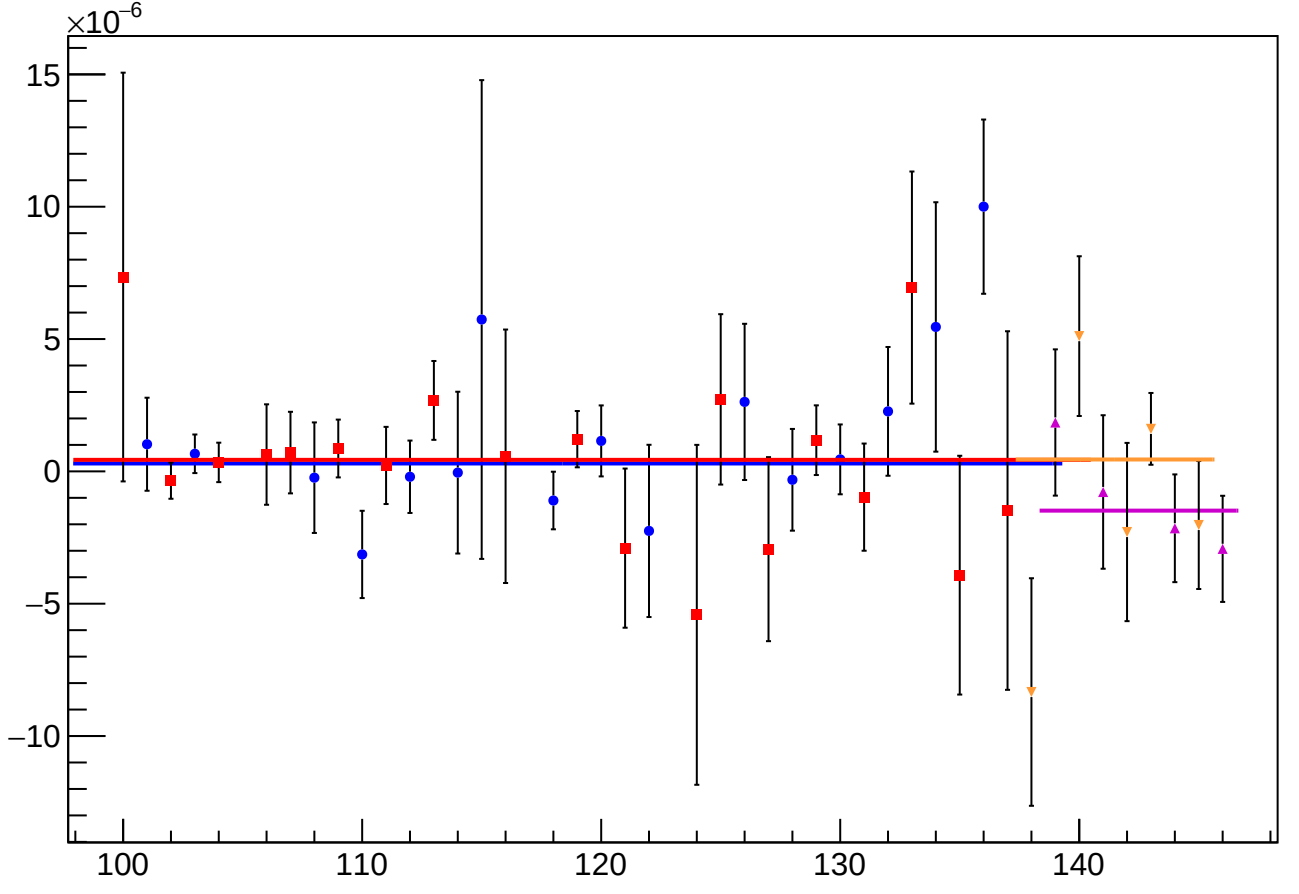
Left In: -0.026+/-0.027 χ^2/NDF:3.4/3

+ sign 0.018+/-0.010 χ^2/NDF: 24.8/20

All: 0.005+/-0.007 χ^2/NDF: 45.7/43

- sign -0.008+/-0.010 χ^2/NDF: 17.6/22


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 51.404+/-0.020 χ²/NDF:394871.8/4
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 48.704+/-0.019 χ²/NDF:31648.6/3
+ sign 27.884+/-0.007 χ²/NDF: 4268576.7/20
All: 28.237+/-0.005 χ²/NDF: 7199992.8/43
- sign 28.585+/-0.007 χ²/NDF: 2926185.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/4

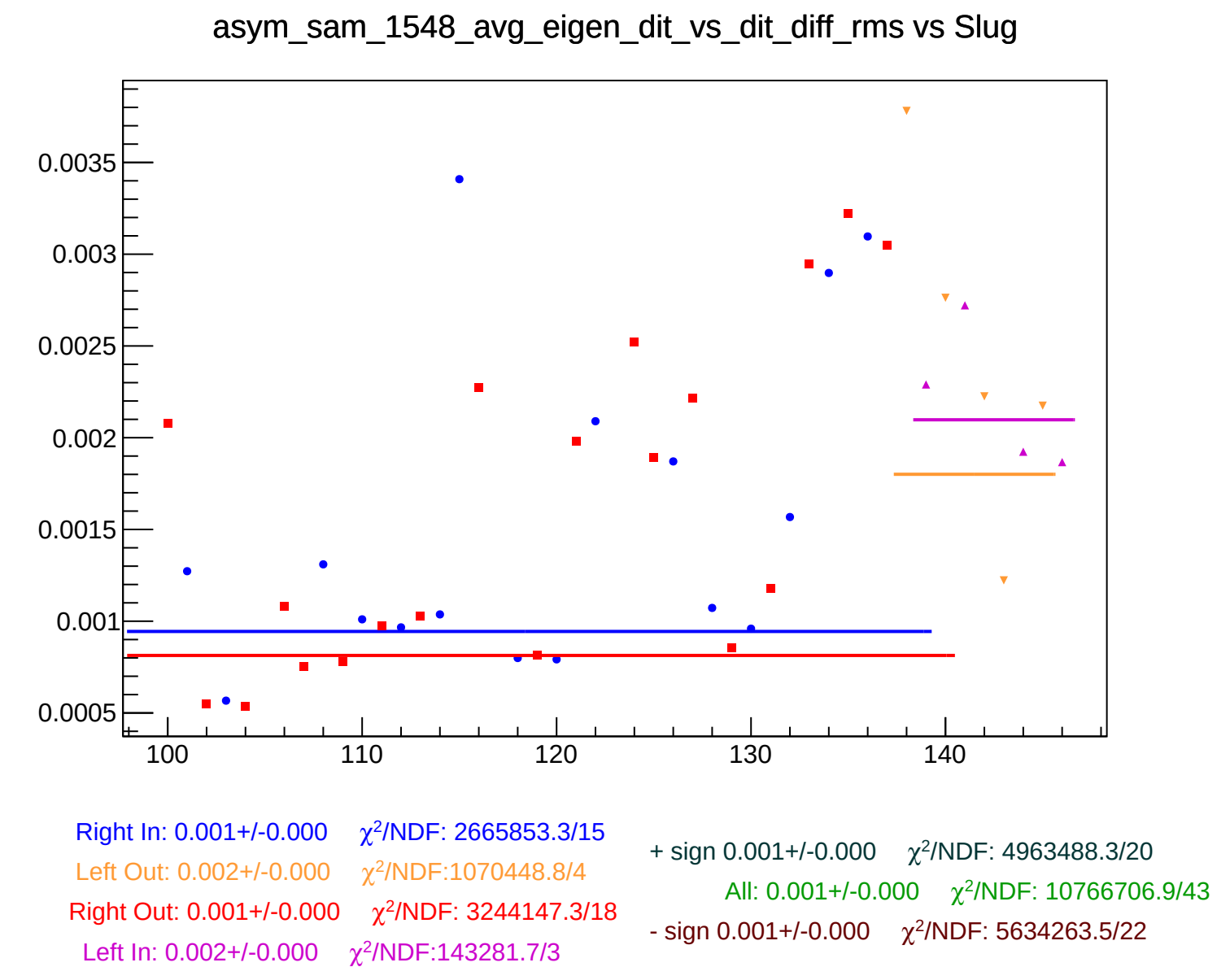
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

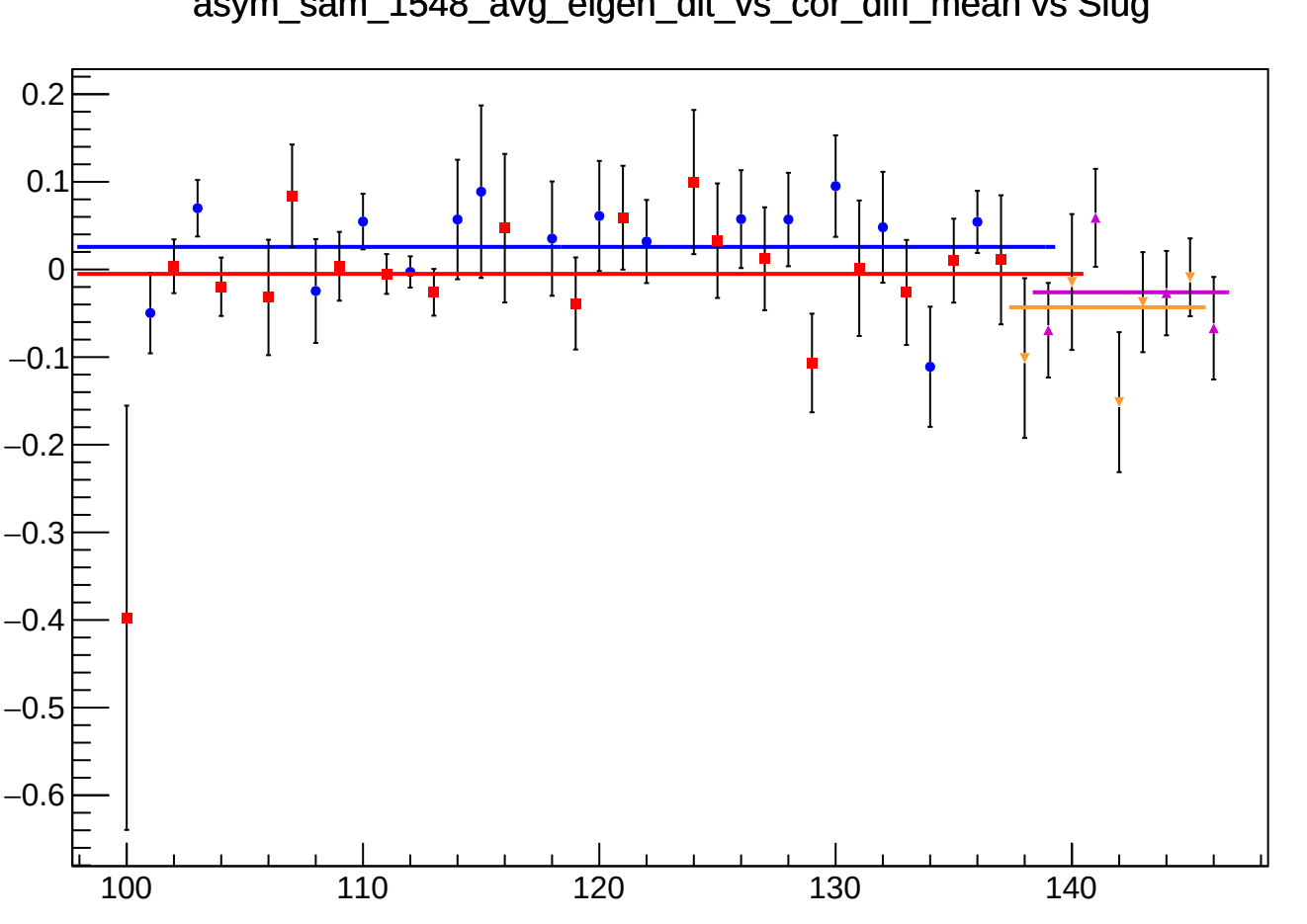
Left In: -0.000+/-0.000 χ^2/NDF:2.1/3

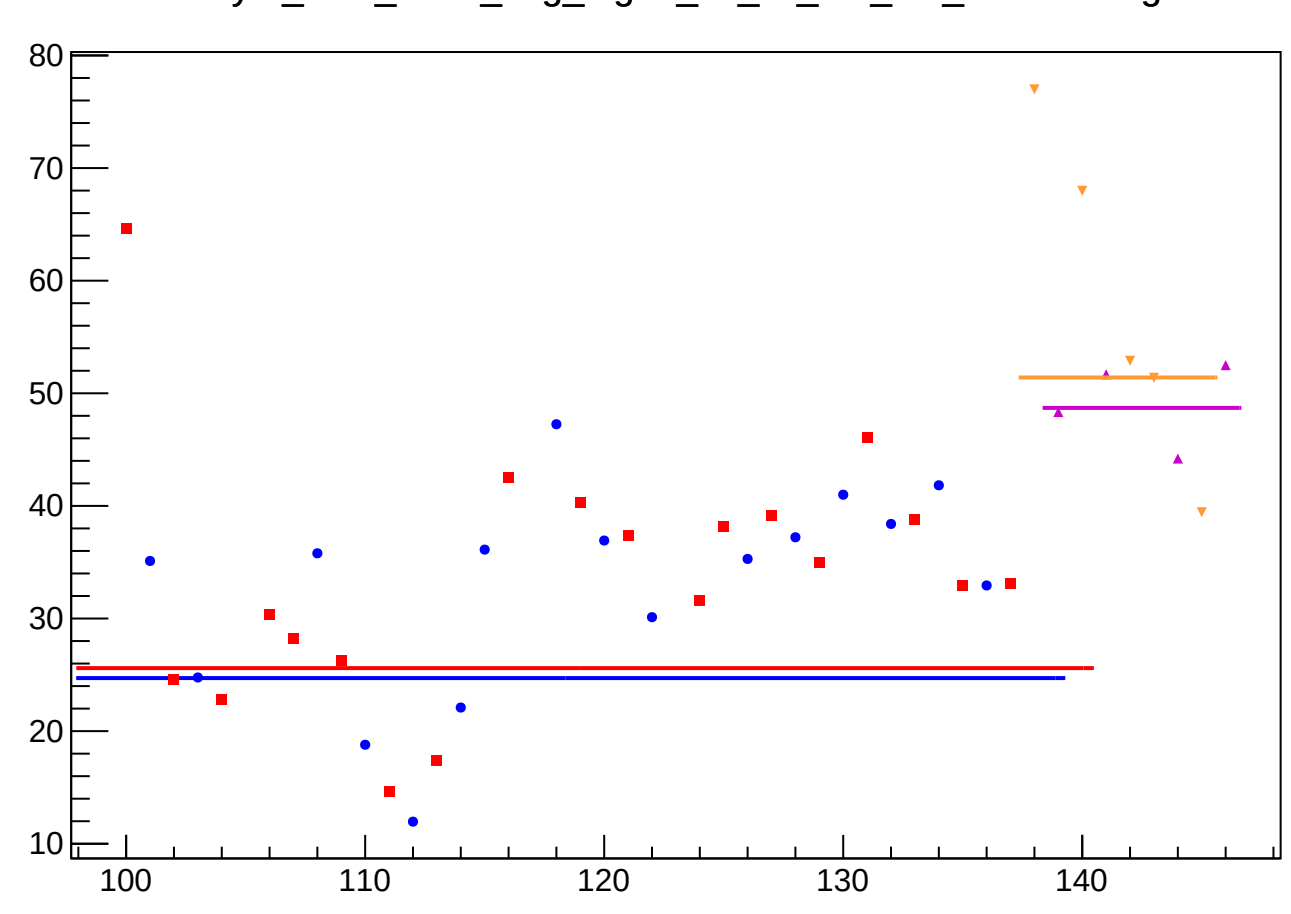
+ sign 0.000+/-0.000 χ^2/NDF: 28.3/20

All: 0.000+/-0.000 χ^2/NDF: 45.7/43

- sign 0.000+/-0.000 χ^2/NDF: 17.3/22


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
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1070448.8/4
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:143281.7/3
+ sign 0.001+/-0.000 χ²/NDF: 4963488.3/20
All: 0.001+/-0.000 χ²/NDF: 10766706.9/43
- sign 0.001+/-0.000 χ²/NDF: 5634263.5/22


asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.043+/-0.028 χ²/NDF:3.0/4
Right Out: -0.005+/-0.010 χ²/NDF: 13.6/18
Left In: -0.026+/-0.027 χ²/NDF:3.4/3
+ sign 0.018+/-0.010 χ²/NDF: 24.8/20
All: 0.005+/-0.007 χ²/NDF: 45.7/43
- sign -0.008+/-0.010 χ²/NDF: 17.6/22



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 51.405+/-0.020 χ^2/NDF:394858.6/4

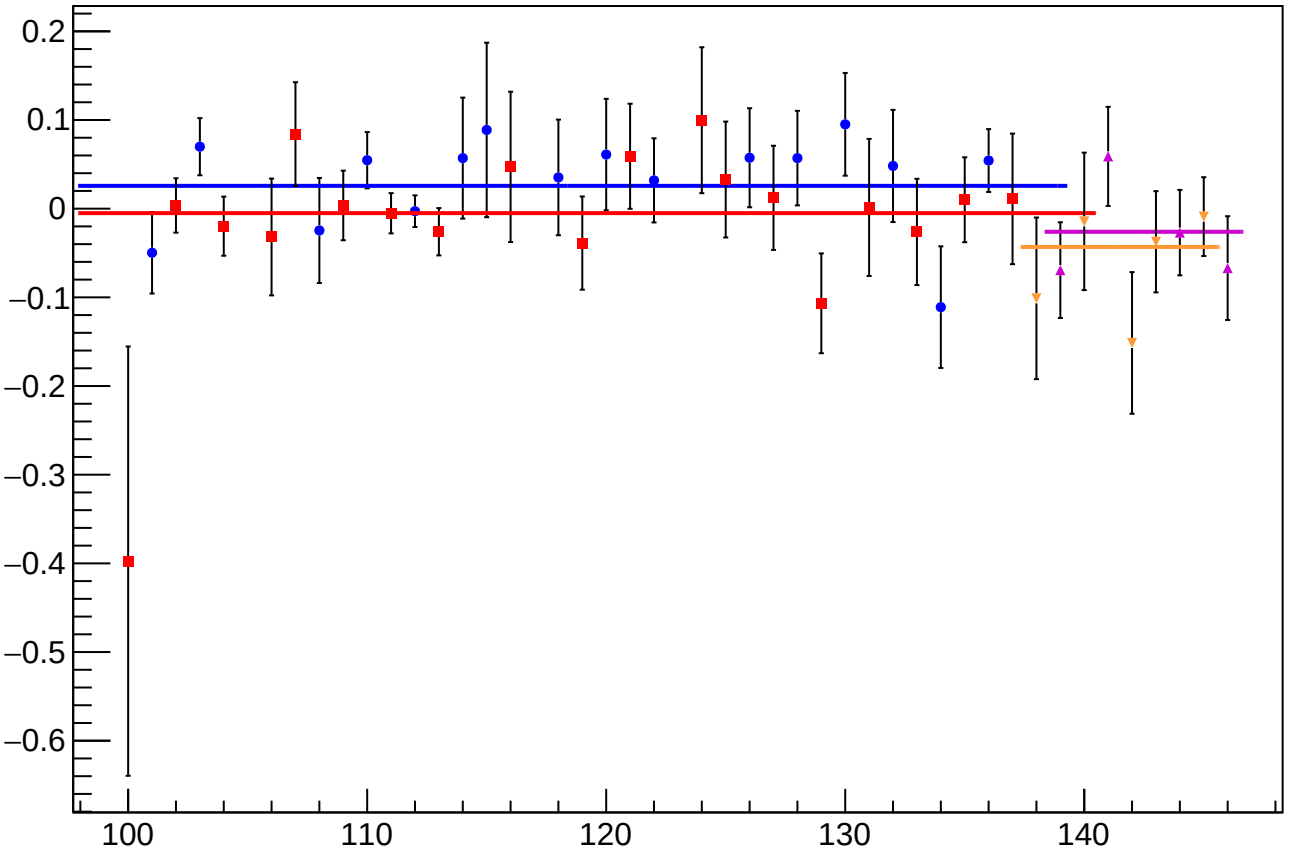
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 48.704+/-0.019 χ^2/NDF:31652.3/3

+ sign 27.883+/-0.007 χ^2/NDF: 4268853.6/20

All: 28.236+/-0.005 χ^2/NDF: 7200519.6/43

- sign 28.584+/-0.007 χ^2/NDF: 2926432.5/22



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.043+/-0.028 χ^2/NDF:3.0/4

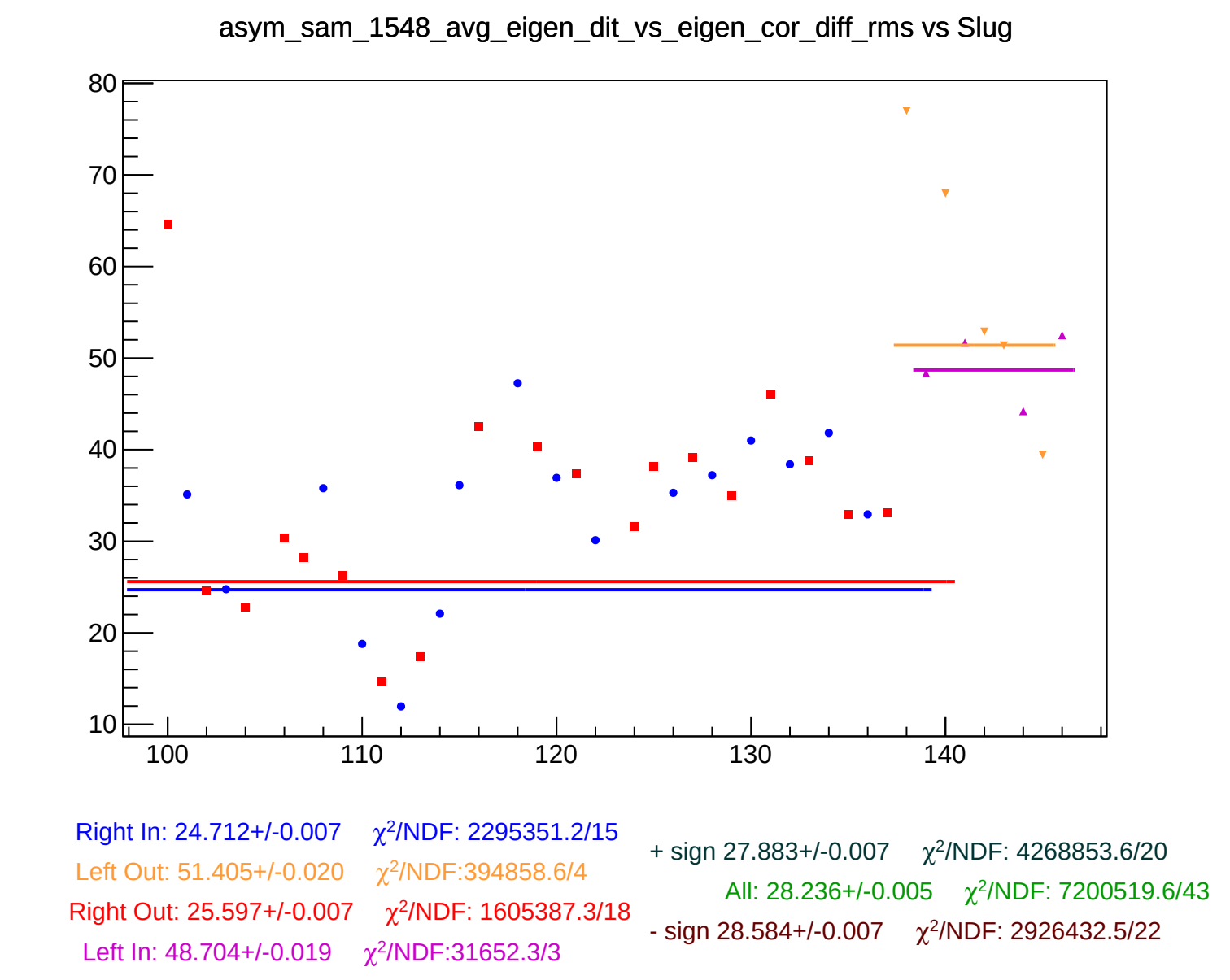
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

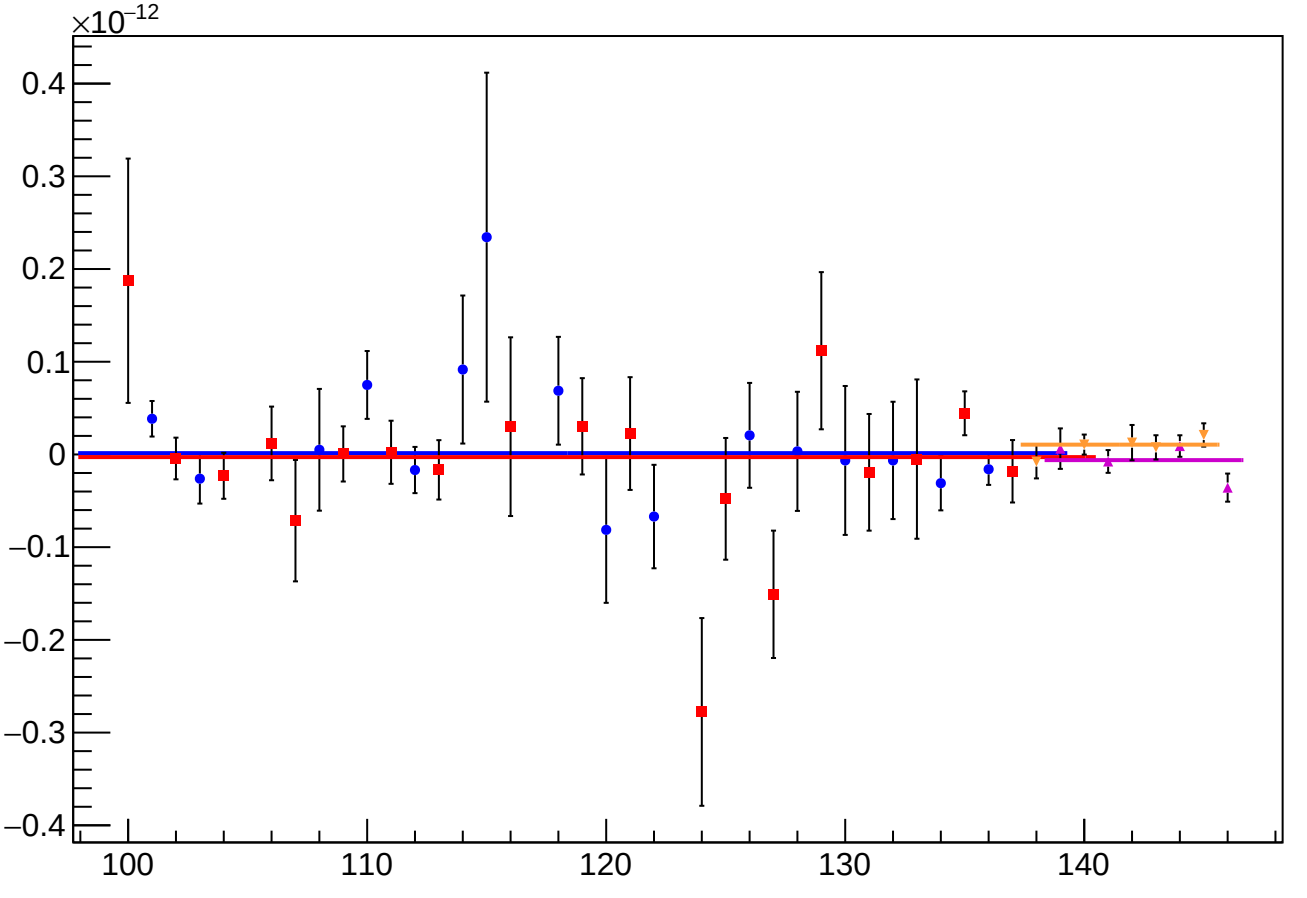
Left In: -0.026+/-0.027 χ^2/NDF:3.4/3

+ sign 0.018+/-0.010 χ^2/NDF: 24.8/20

All: 0.005+/-0.007 χ^2/NDF: 45.7/43

- sign -0.008+/-0.010 χ^2/NDF: 17.6/22


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 51.405+/-0.020 χ²/NDF:394858.6/4
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 48.704+/-0.019 χ²/NDF:31652.3/3
+ sign 27.883+/-0.007 χ²/NDF: 4268853.6/20
All: 28.236+/-0.005 χ²/NDF: 7200519.6/43
- sign 28.584+/-0.007 χ²/NDF: 2926432.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/4

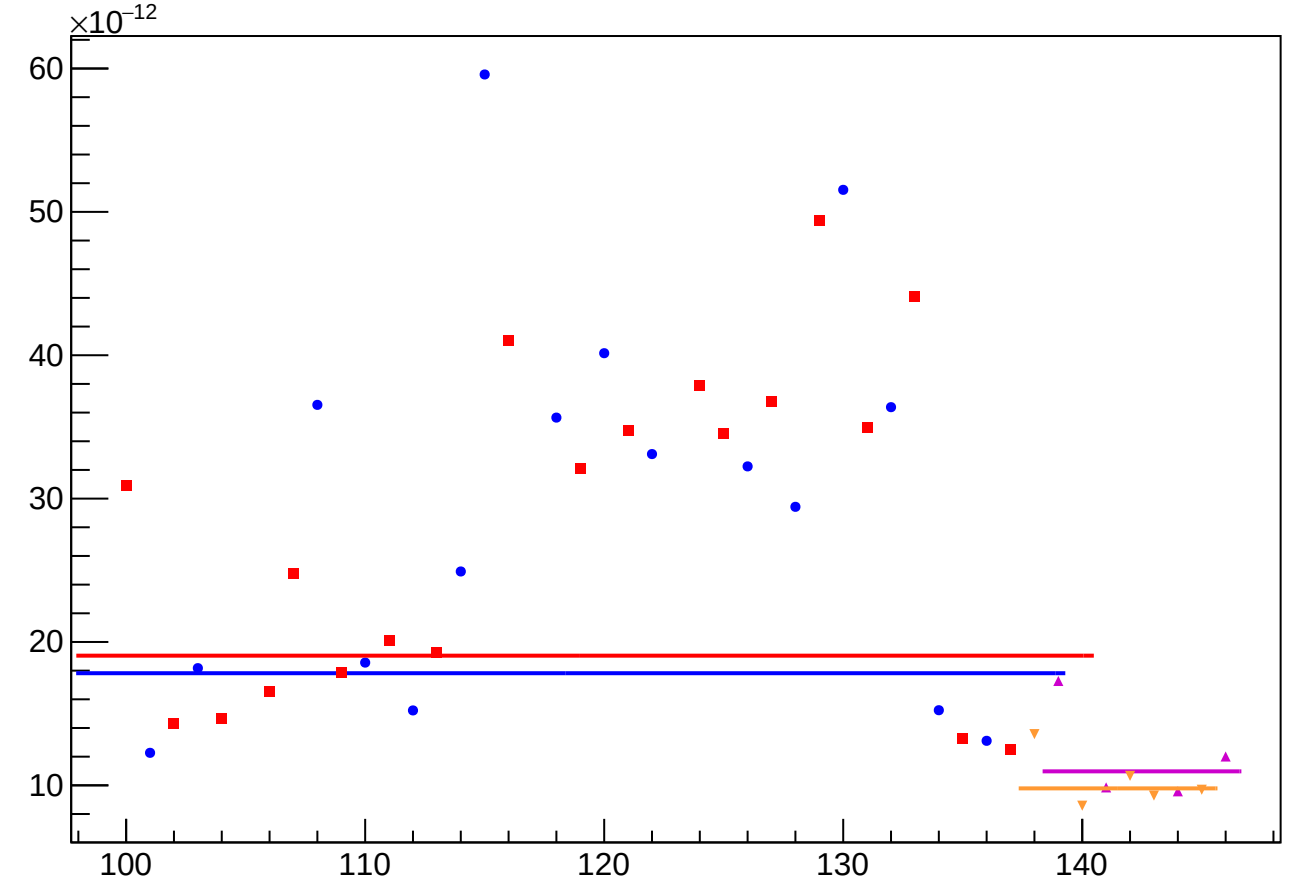
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/20

All: 0.000+/-0.000 χ^2/NDF: 53.4/43

- sign -0.000+/-0.000 χ^2/NDF: 29.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:119104.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

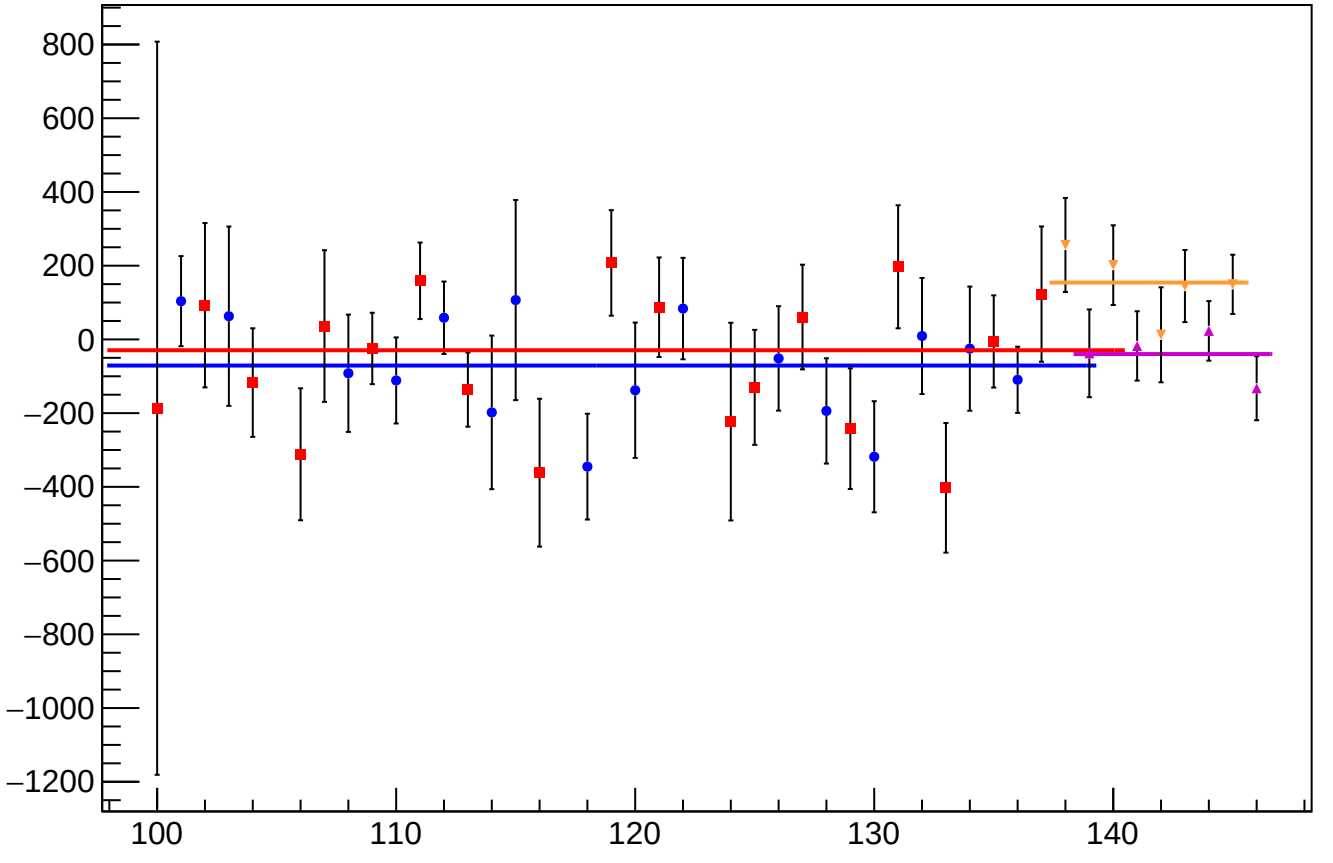
Left In: 0.000+/-0.000 χ^2/NDF:221503.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3131699.6/20

All: 0.000+/-0.000 χ^2/NDF: 6037459.1/43

- sign 0.000+/-0.000 χ^2/NDF: 2827047.4/22

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 154.261+/-46.295 χ^2/NDF:2.1/4

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

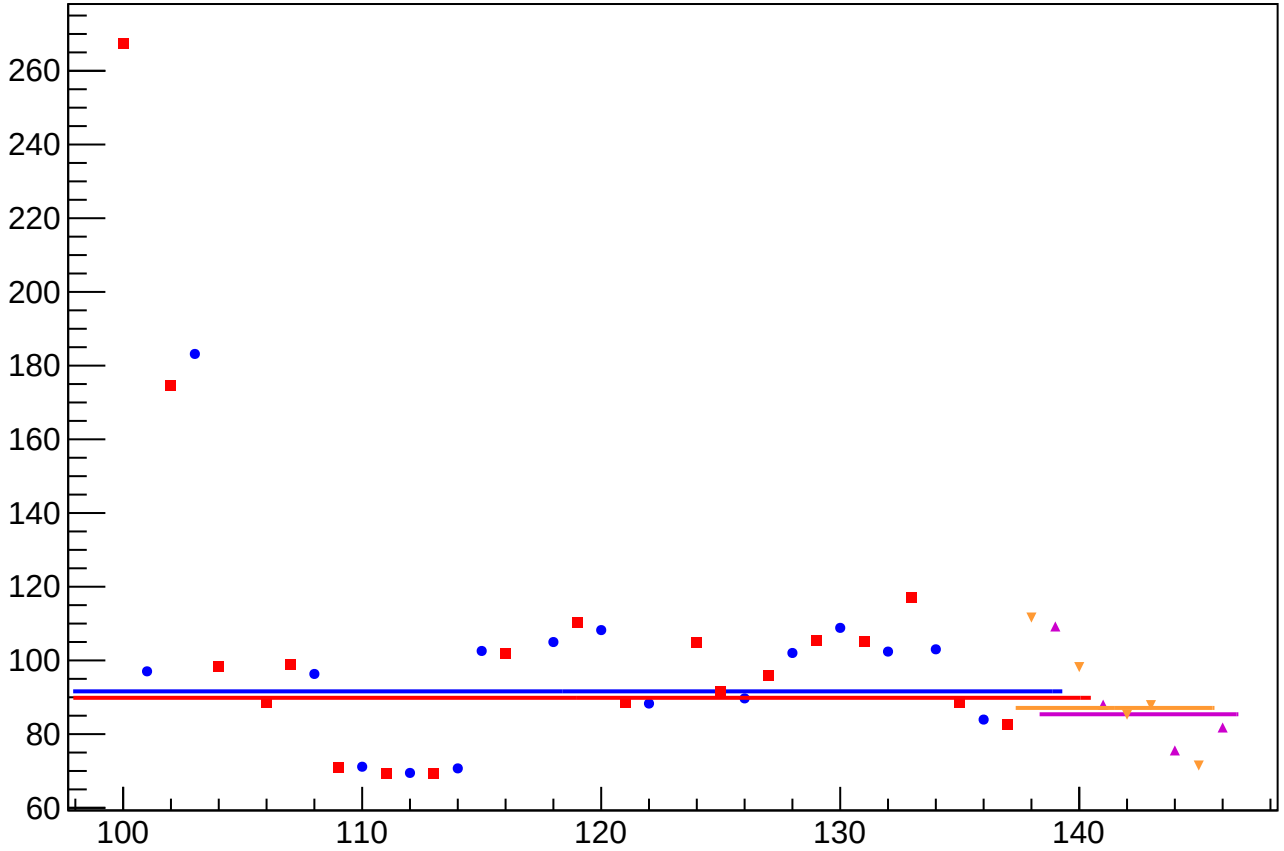
Left In: -39.730+/-46.164 χ^2/NDF:1.8/3

+ sign 11.357+/-27.981 χ^2/NDF: 31.1/20

All: -11.241+/-19.614 χ^2/NDF: 58.2/43

- sign -33.073+/-27.503 χ^2/NDF: 25.8/22

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 87.110+/-0.033 χ^2/NDF:171050.7/4

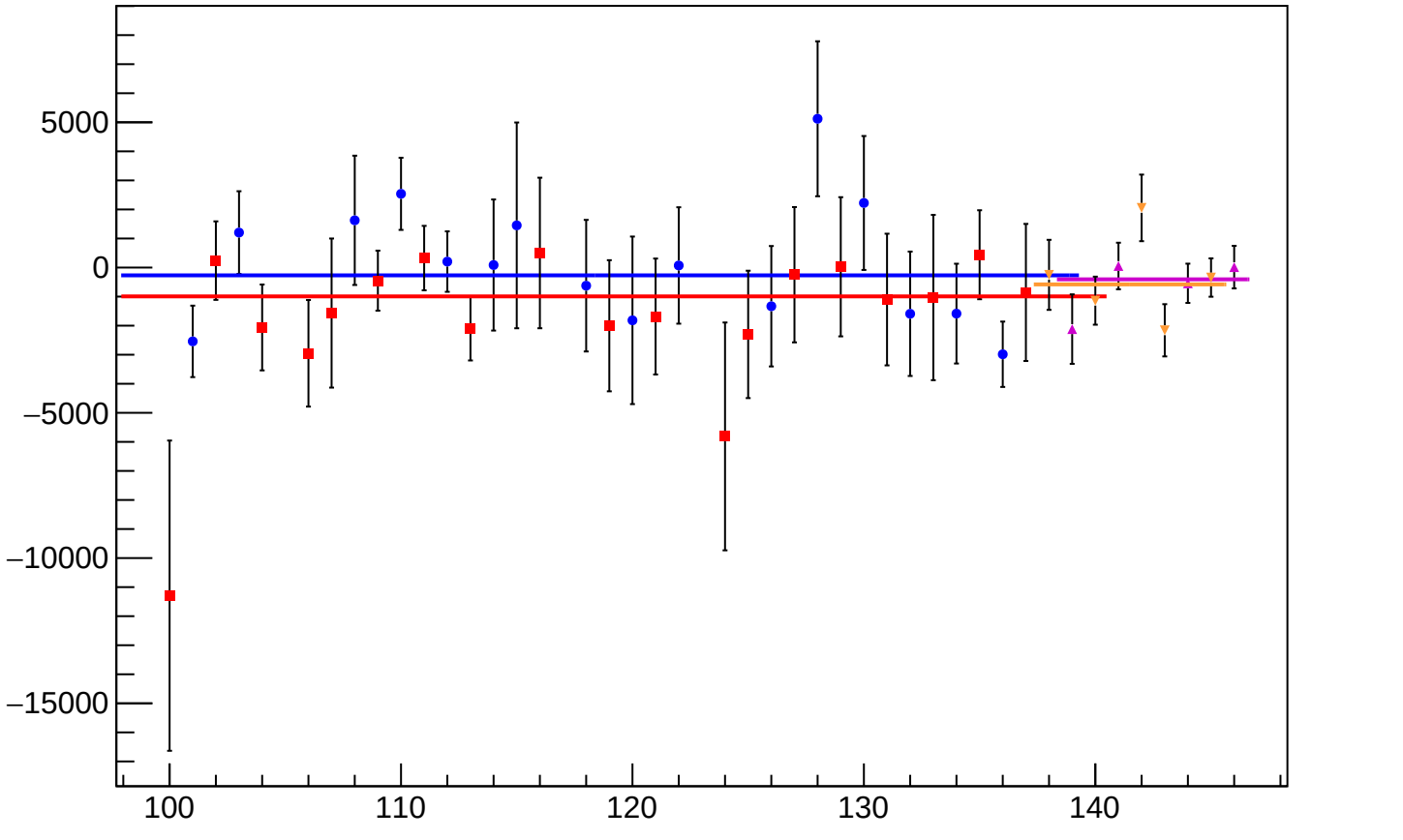
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

+ sign 89.965+/-0.020 χ^2/NDF: 763708.2/20

All: 89.103+/-0.014 χ^2/NDF: 1640381.6/43

- sign 88.270+/-0.019 χ^2/NDF: 872940.1/22



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -580.244+/-393.870 χ^2/NDF:9.0/4

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

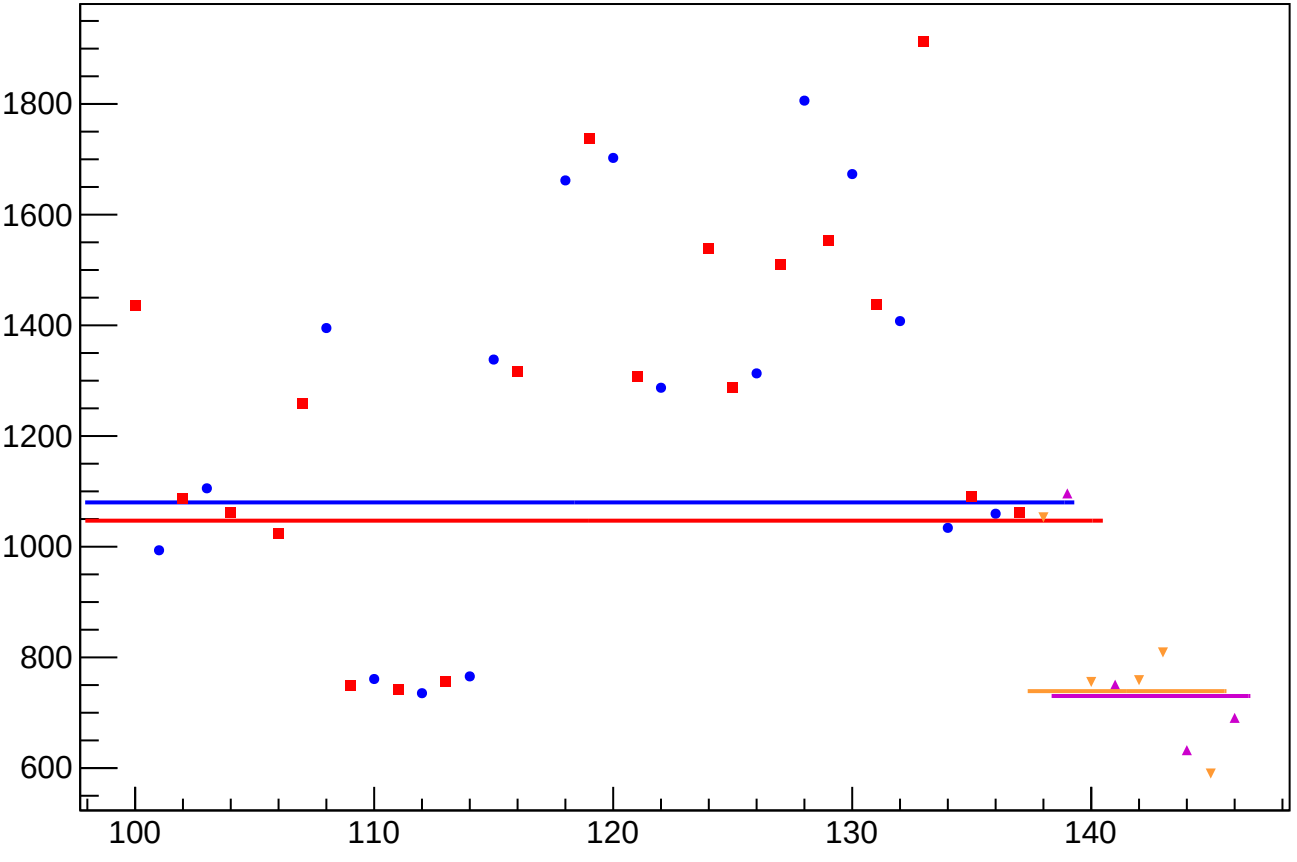
Left In: -405.379+/-398.110 χ^2/NDF:2.7/3

+ sign -434.207+/-287.167 χ^2/NDF: 32.8/20

All: -567.789+/-201.373 χ^2/NDF: 49.7/43

- sign -697.029+/-282.461 χ^2/NDF: 16.5/22

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 739.040+/-0.279 χ^2/NDF:251035.2/4

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

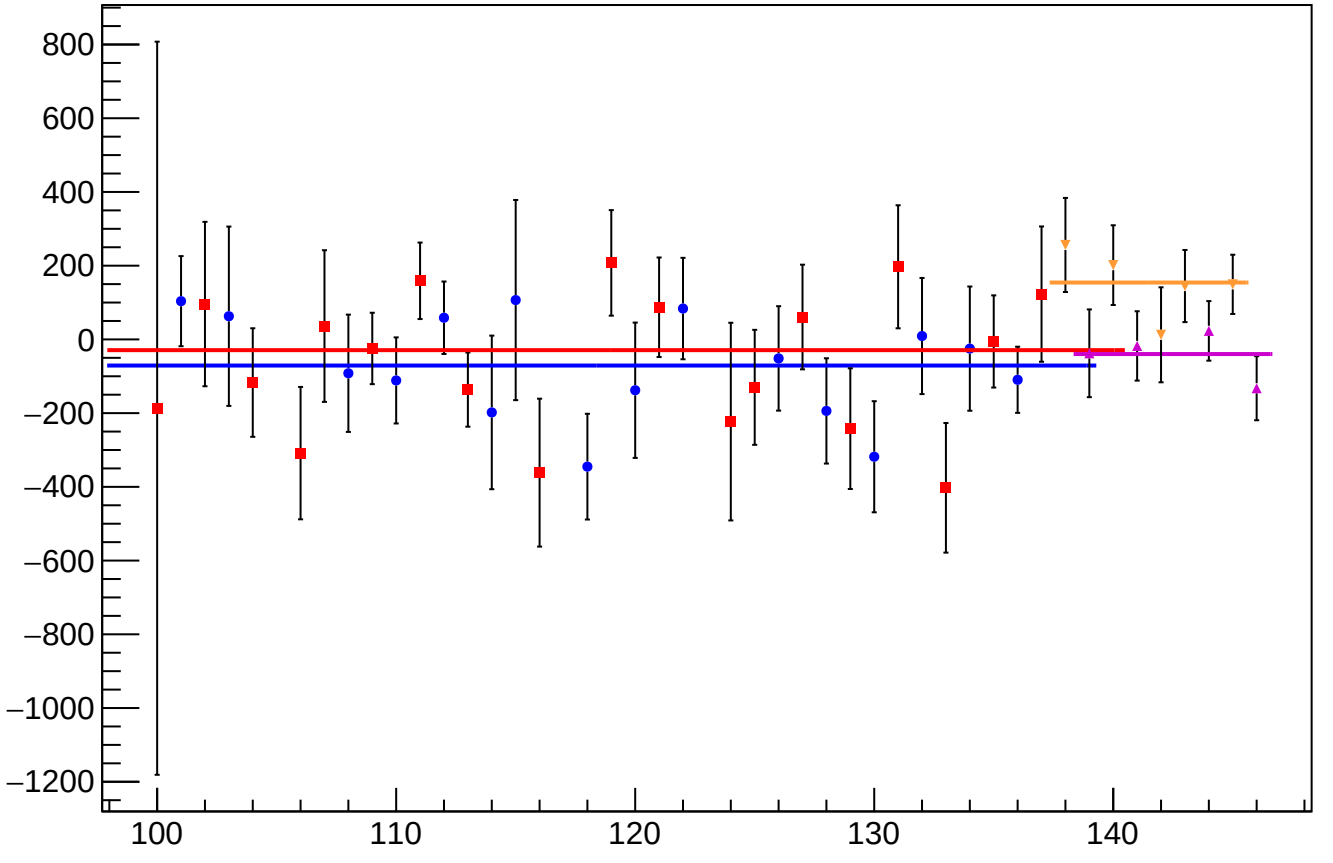
Left In: 730.237+/-0.282 χ^2/NDF:236446.3/3

+ sign 898.776+/-0.203 χ^2/NDF: 2006751.1/20

All: 893.084+/-0.142 χ^2/NDF: 4072442.9/43

- sign 887.576+/-0.200 χ^2/NDF: 2064145.4/22

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 154.274+/-46.295 χ^2/NDF:2.1/4

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

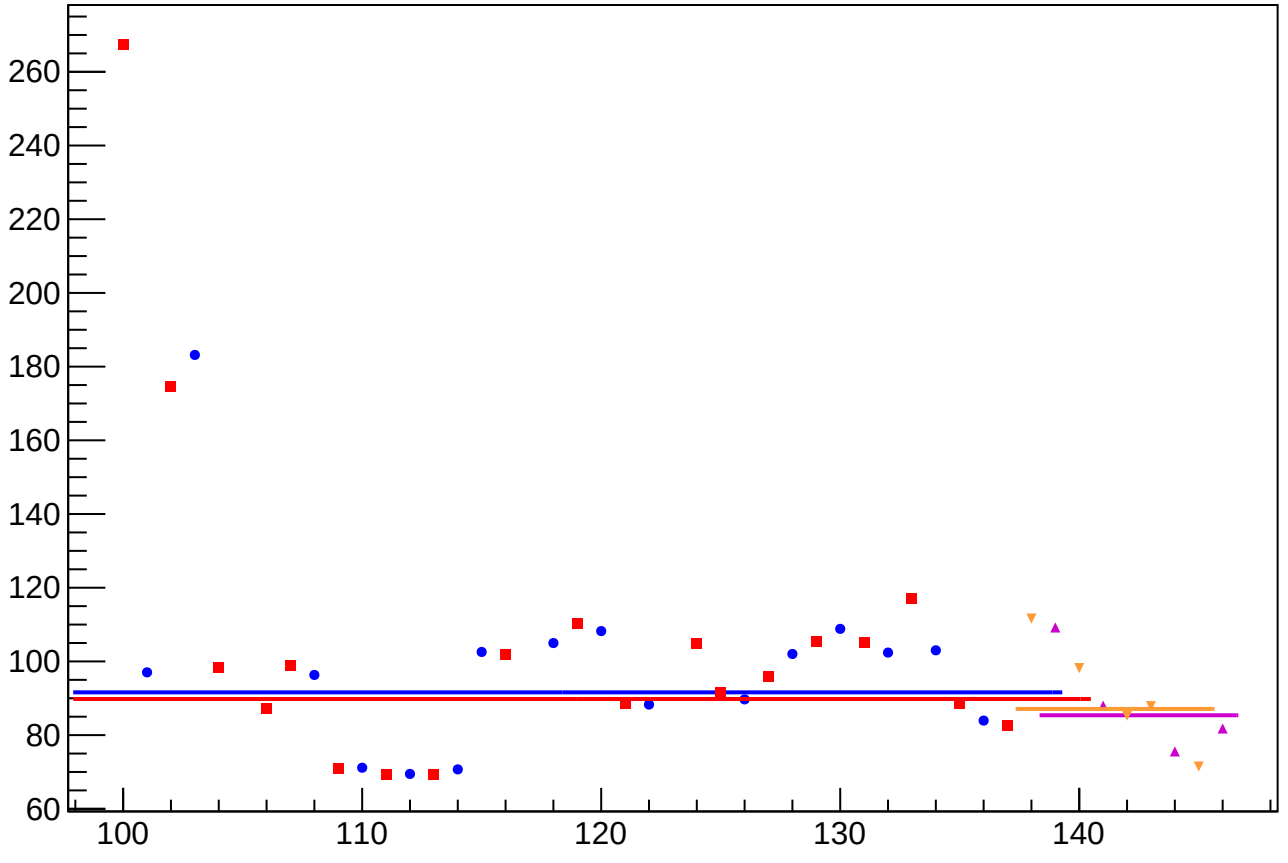
Left In: -39.736+/-46.164 χ^2/NDF:1.8/3

+ sign 11.355+/-27.981 χ^2/NDF: 31.1/20

All: -11.160+/-19.615 χ^2/NDF: 58.2/43

- sign -32.914+/-27.505 χ^2/NDF: 25.8/22

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 87.110+/-0.033 χ^2/NDF:171050.7/4

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

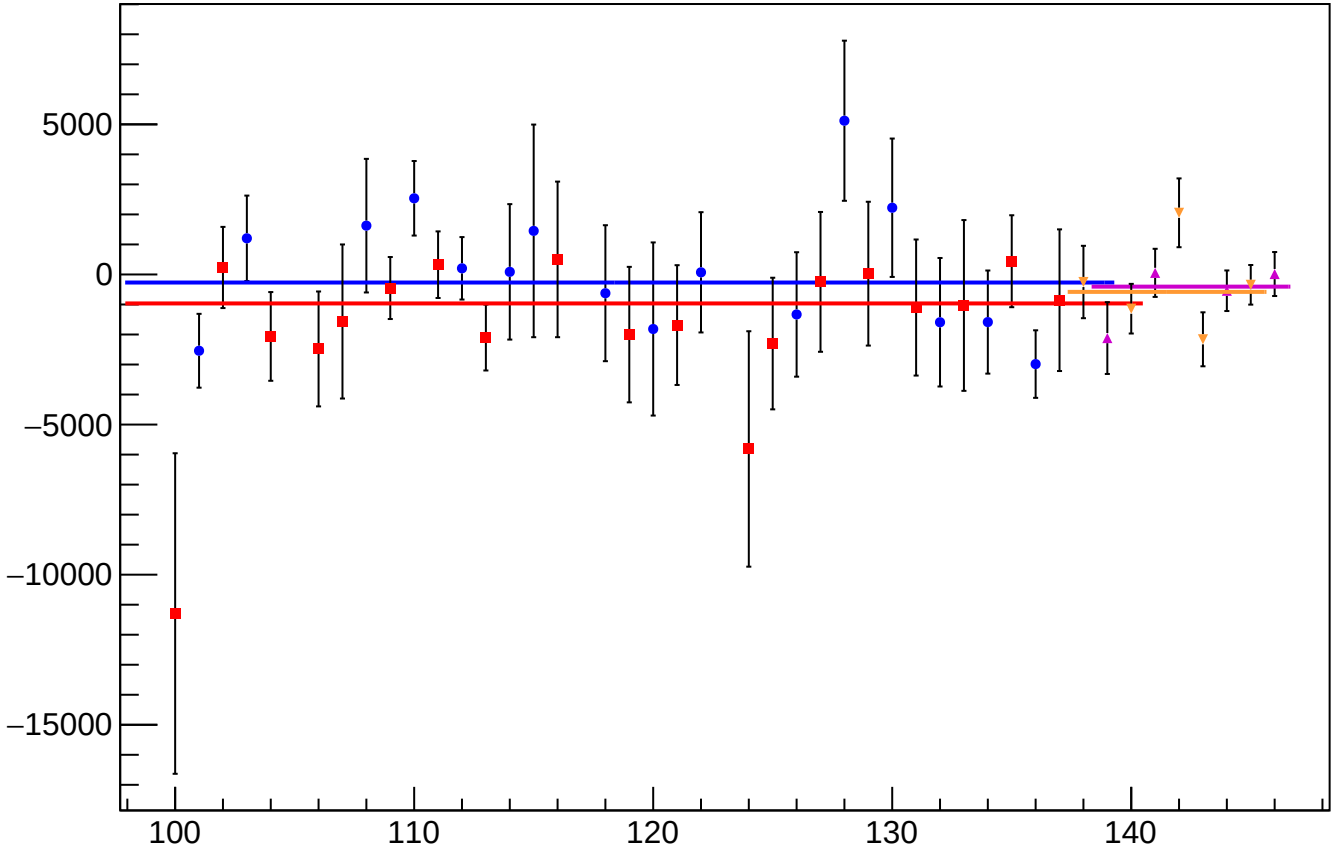
Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

+ sign 89.965+/-0.020 χ^2/NDF: 763711.3/20

All: 89.087+/-0.014 χ^2/NDF: 1640809.7/43

- sign 88.239+/-0.019 χ^2/NDF: 873228.2/22

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -580.233+/-393.870 χ^2/NDF:9.0/4

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

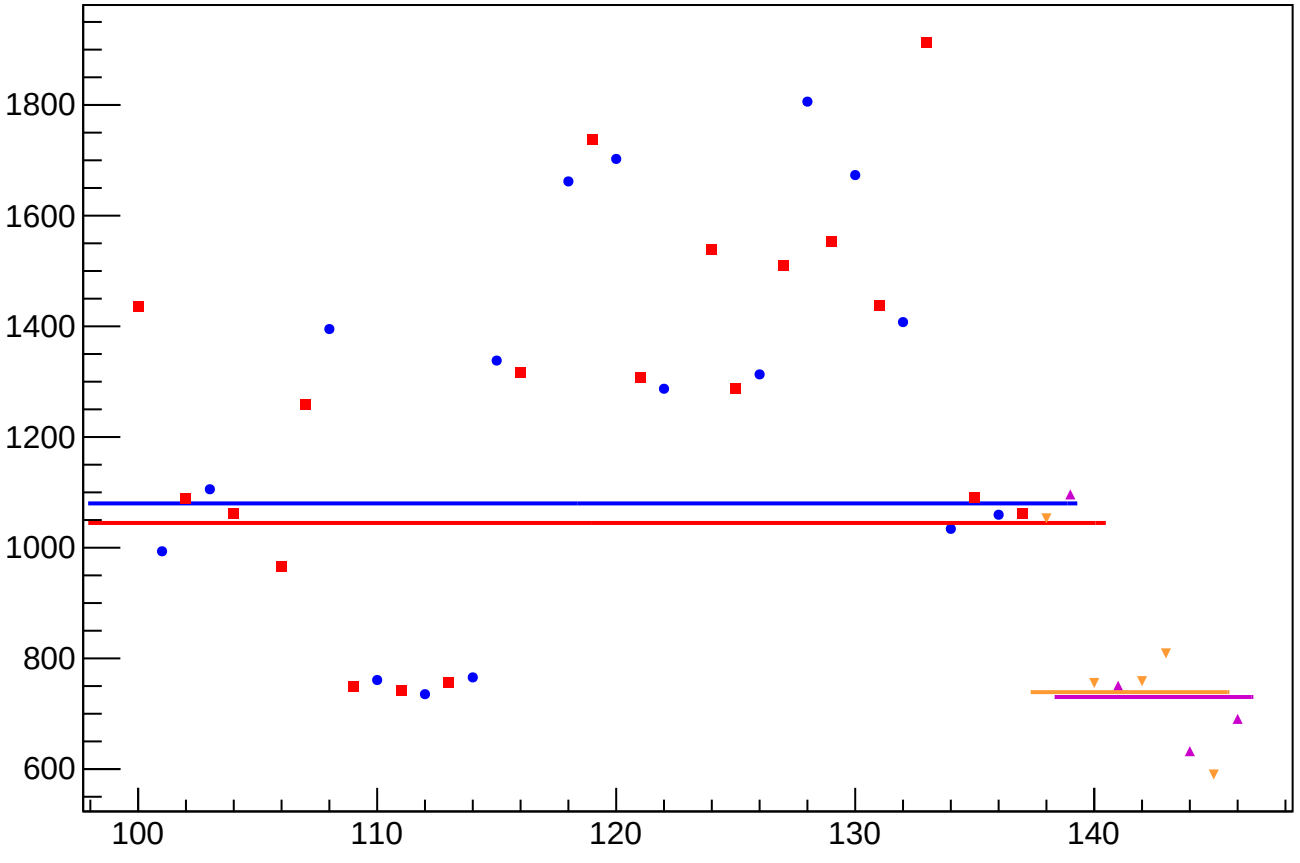
Left In: -405.388+/-398.110 χ^2/NDF:2.7/3

\+ sign -434.213+/-287.168 χ^2/NDF: 32.8/20

All: -560.396+/-201.476 χ^2/NDF: 49.0/43

\- sign -682.722+/-282.744 χ^2/NDF: 15.8/22

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 739.039+/-0.279 χ^2/NDF:251035.1/4

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

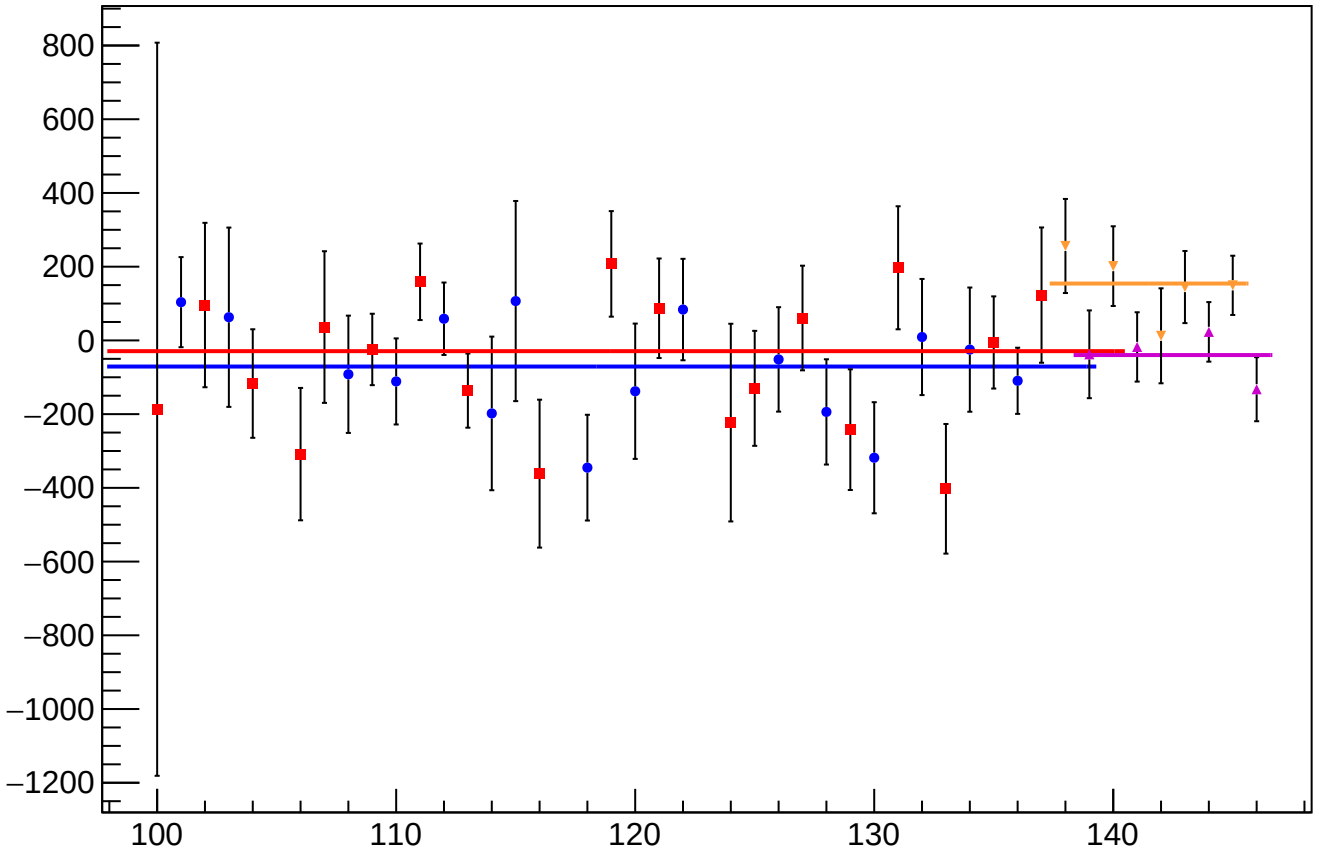
Left In: 730.237+/-0.282 χ^2/NDF:236445.8/3

+ sign 898.778+/-0.203 χ^2/NDF: 2006789.9/20

All: 892.337+/-0.142 χ^2/NDF: 4065536.5/43

- sign 886.092+/-0.200 χ^2/NDF: 2056764.5/22

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 154.274+/-46.295 χ^2/NDF:2.1/4

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

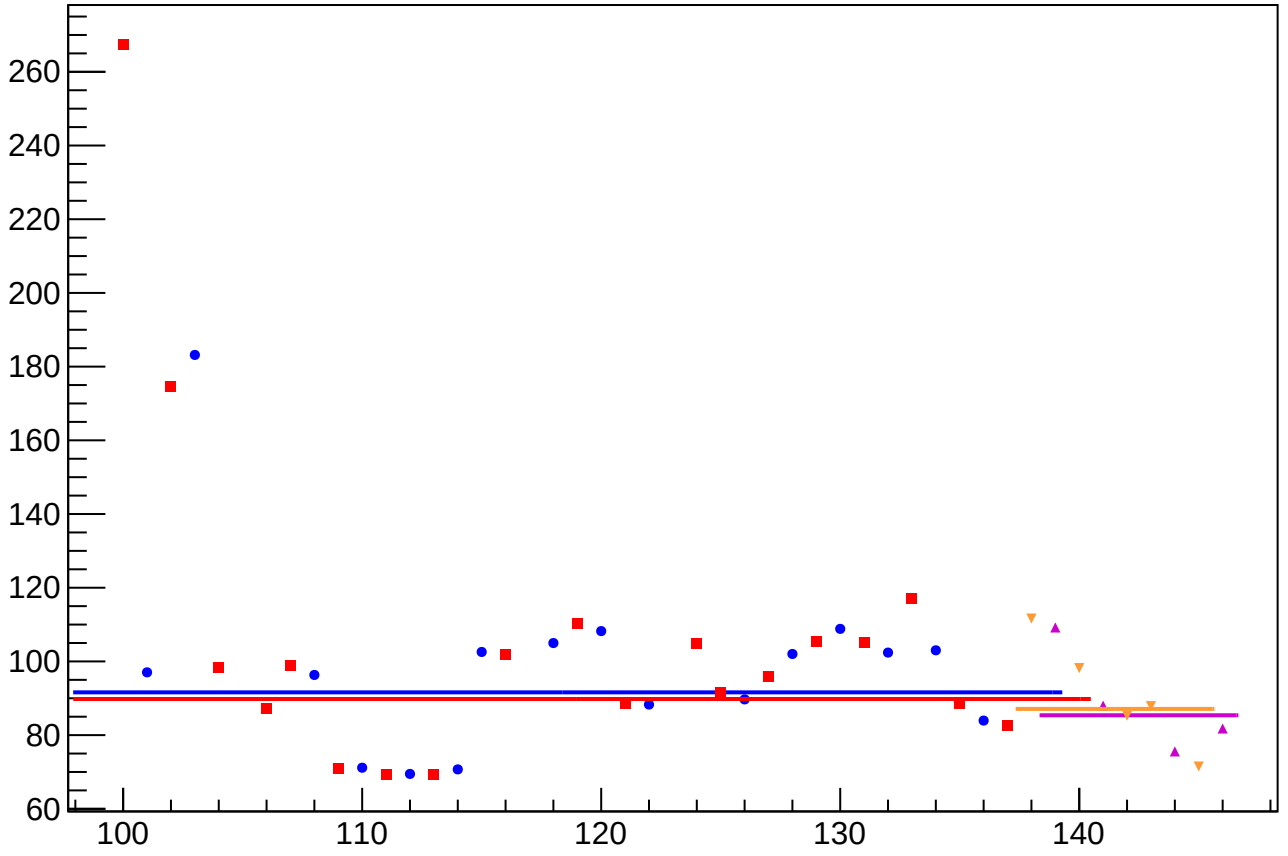
Left In: -39.736+/-46.164 χ^2/NDF:1.8/3

+ sign 11.355+/-27.981 χ^2/NDF: 31.1/20

All: -11.160+/-19.615 χ^2/NDF: 58.2/43

- sign -32.914+/-27.505 χ^2/NDF: 25.8/22

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 87.110+/-0.033 χ^2/NDF:171050.7/4

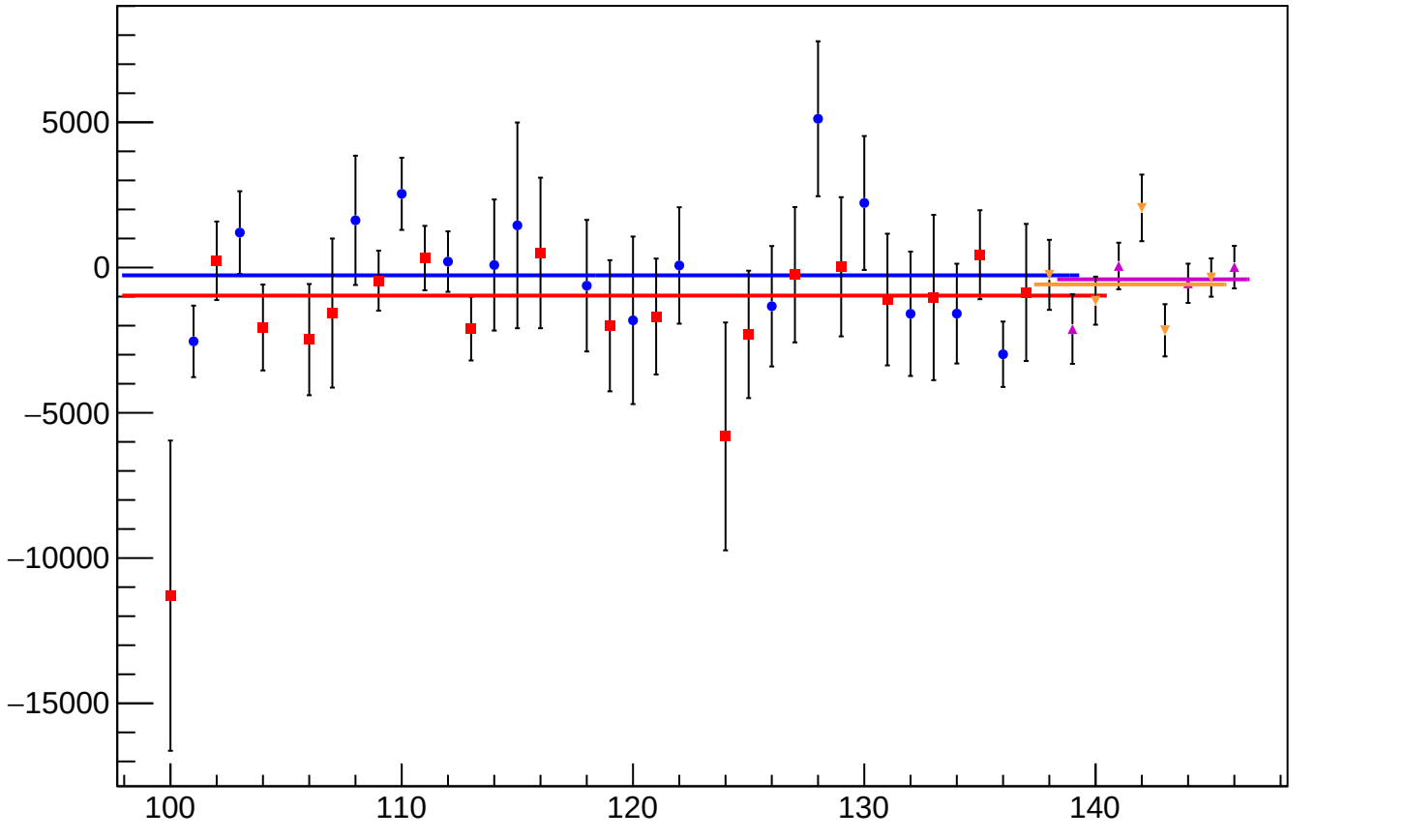
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

+ sign 89.965+/-0.020 χ^2/NDF: 763711.3/20

All: 89.087+/-0.014 χ^2/NDF: 1640809.7/43

- sign 88.239+/-0.019 χ^2/NDF: 873228.2/22



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -580.233+/-393.870 χ^2/NDF:9.0/4

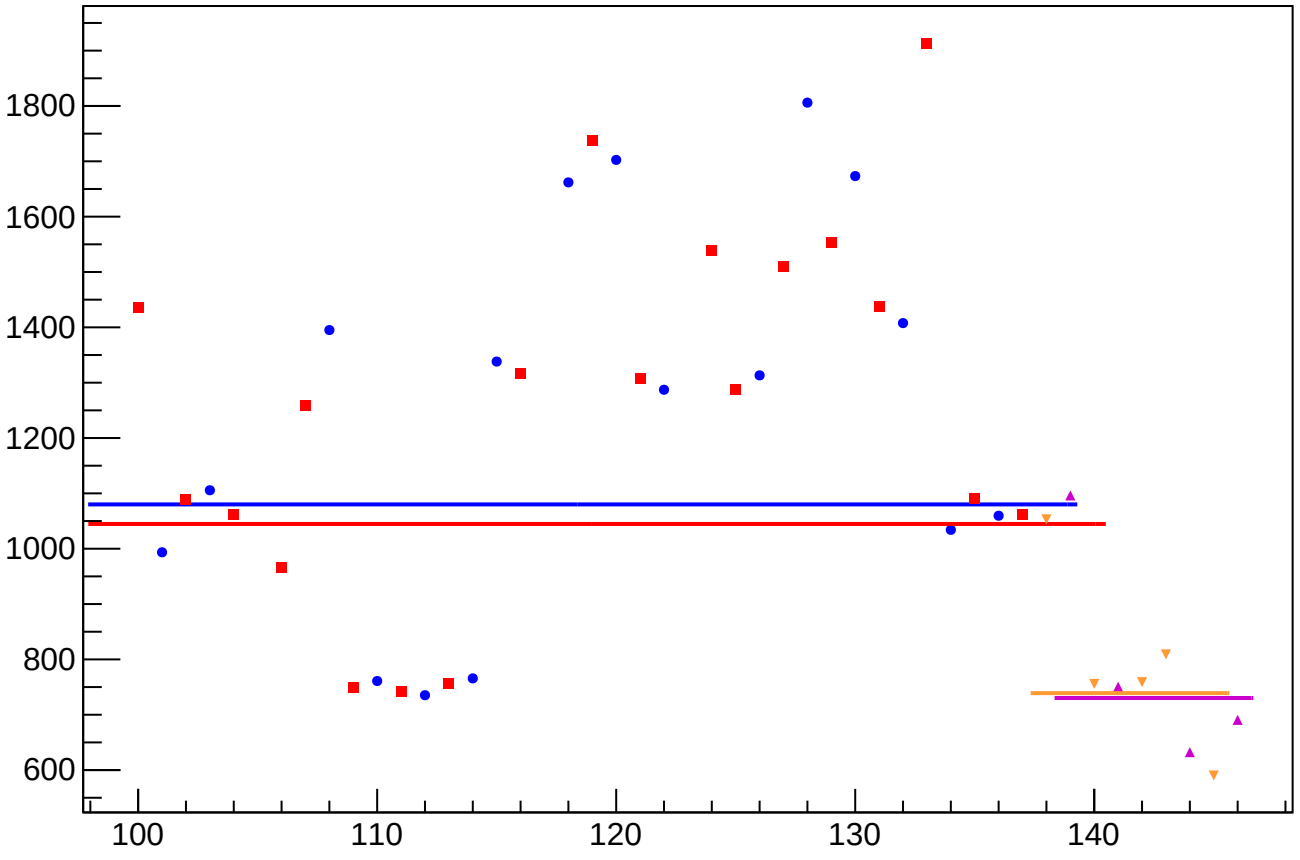
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -405.388+/-398.110 χ^2/NDF:2.7/3

+ sign -434.213+/-287.168 χ^2/NDF: 32.8/20

All: -560.396+/-201.476 χ^2/NDF: 49.0/43

- sign -682.722+/-282.744 χ^2/NDF: 15.8/22



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 739.039+/-0.279 χ^2/NDF:251035.1/4

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

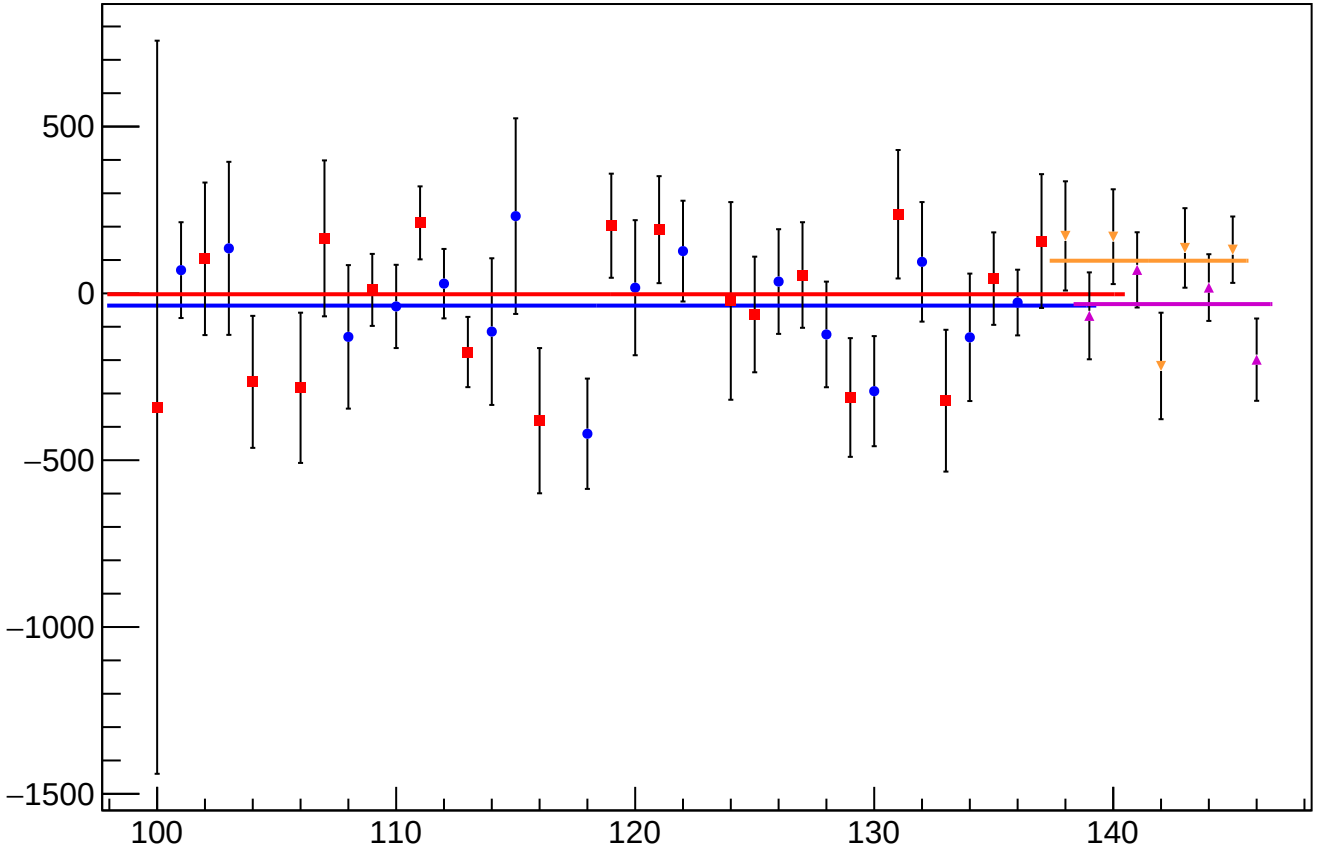
Left In: 730.237+/-0.282 χ^2/NDF:236445.8/3

+ sign 898.778+/-0.203 χ^2/NDF: 2006789.9/20

All: 892.337+/-0.142 χ^2/NDF: 4065536.5/43

- sign 886.092+/-0.200 χ^2/NDF: 2056764.5/22

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 97.906+/-57.970 χ^2/NDF:4.6/4

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

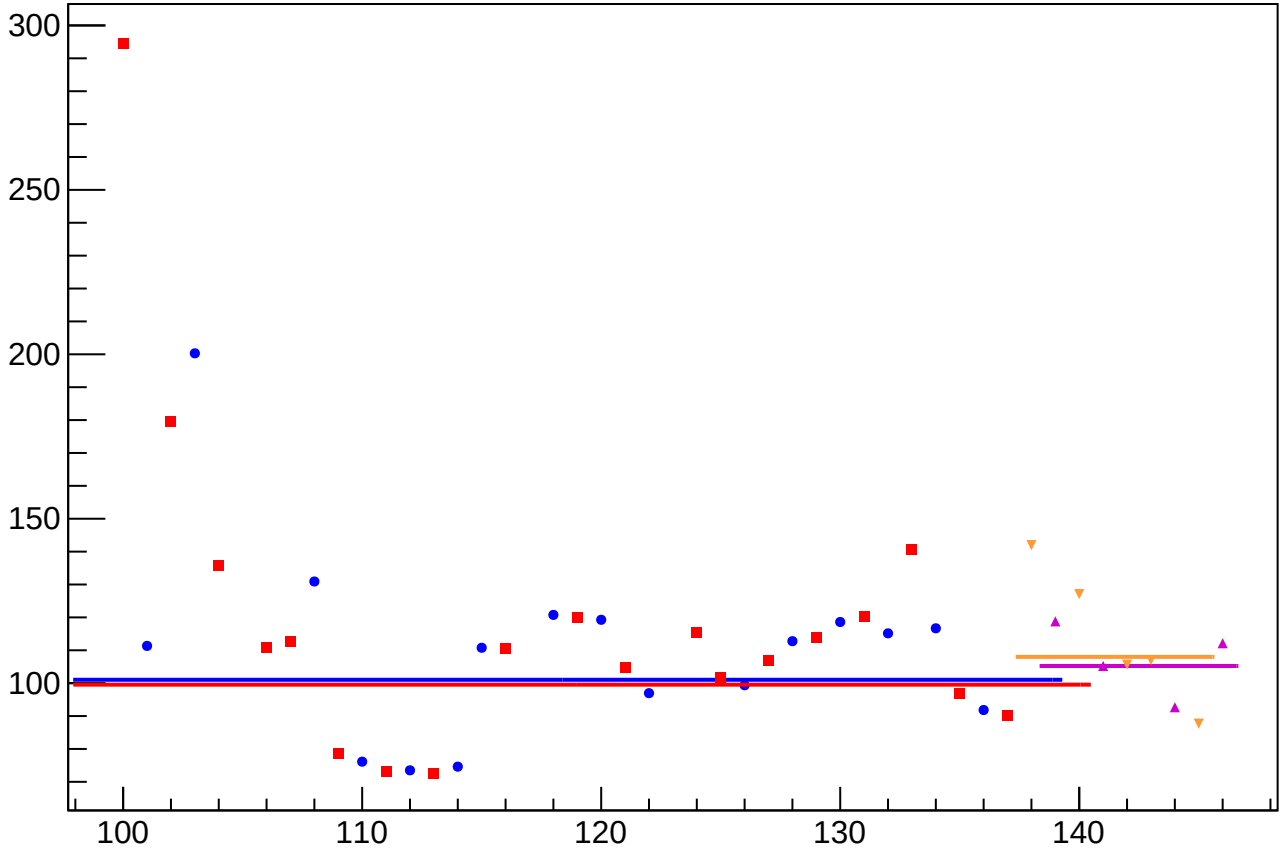
Left In: -32.110+/-57.413 χ^2/NDF:3.0/3

+ sign 5.302+/-32.353 χ^2/NDF: 21.2/20

All: -3.310+/-22.673 χ^2/NDF: 49.2/43

- sign -11.622+/-31.783 χ^2/NDF: 27.9/22

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.995+/-0.041 χ^2/NDF:206140.0/4

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

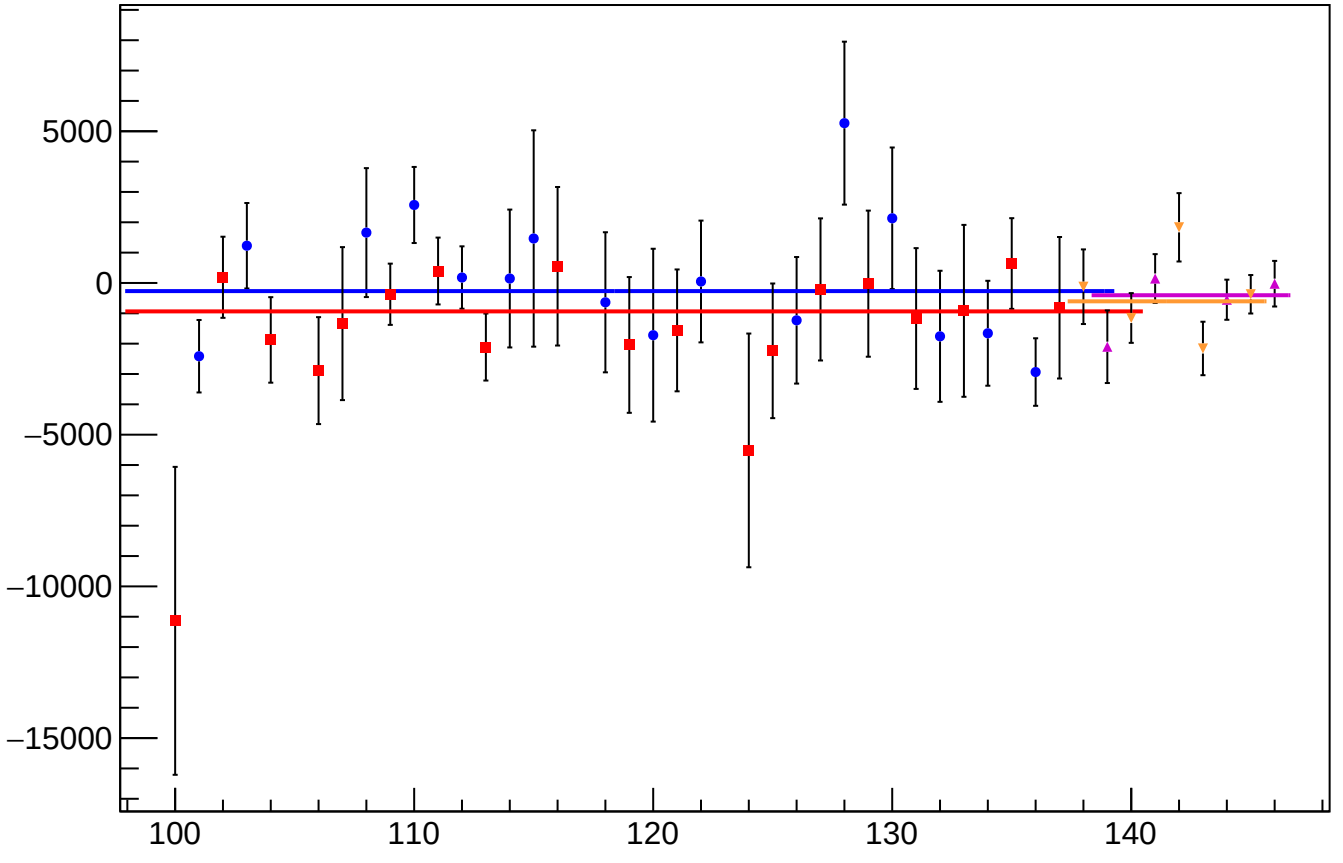
Left In: 105.223+/-0.041 χ^2/NDF:59513.9/3

+ sign 103.200+/-0.023 χ^2/NDF: 942106.4/20

All: 102.226+/-0.016 χ^2/NDF: 1899235.9/43

- sign 101.287+/-0.022 χ^2/NDF: 953568.9/22

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -604.919+/-385.929 χ^2/NDF:8.5/4

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

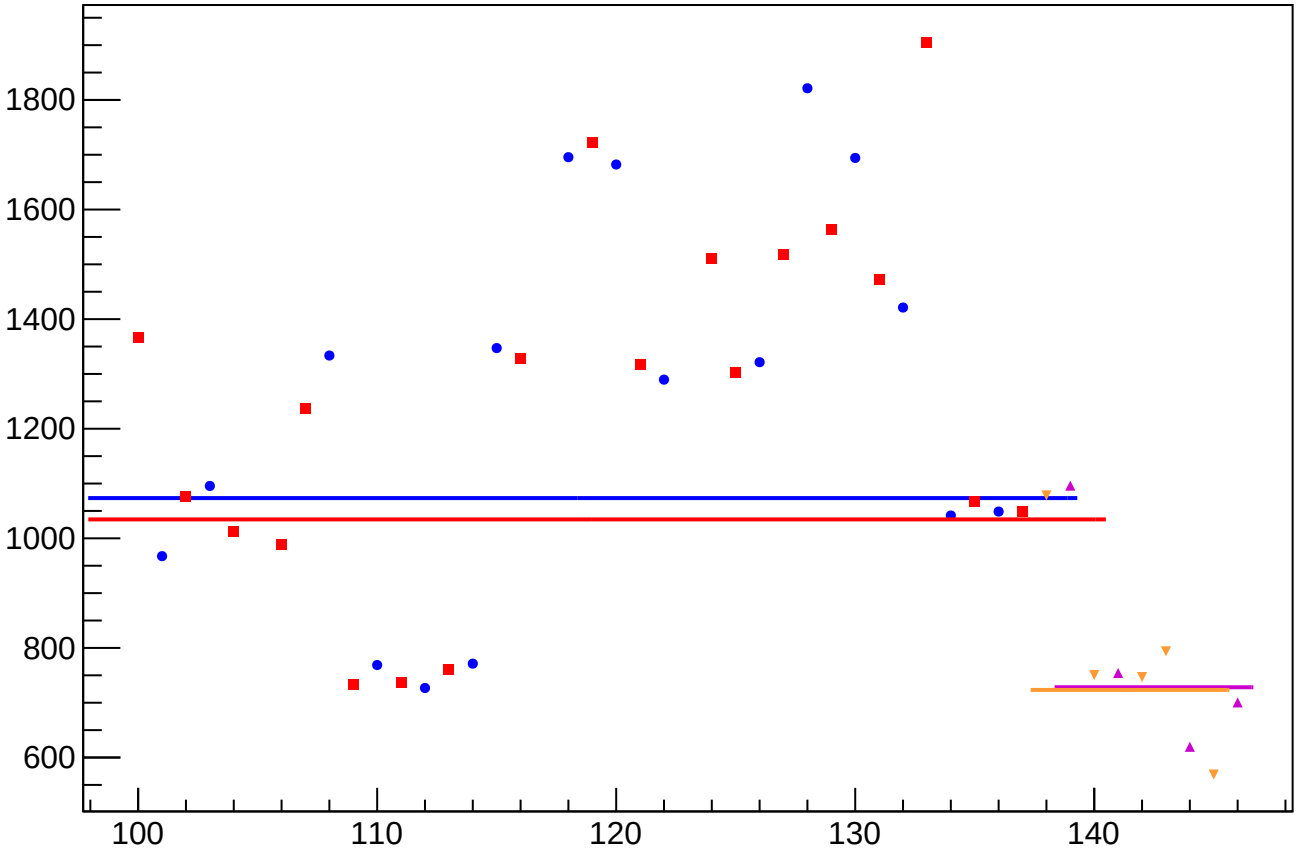
Left In: -404.161+/-398.316 χ^2/NDF:2.8/3

+ sign -449.450+/-283.260 χ^2/NDF: 32.3/20

All: -561.571+/-199.460 χ^2/NDF: 49.5/43

- sign -671.842+/-280.913 χ^2/NDF: 16.8/22

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 723.337+/-0.273 χ^2/NDF:301180.4/4

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

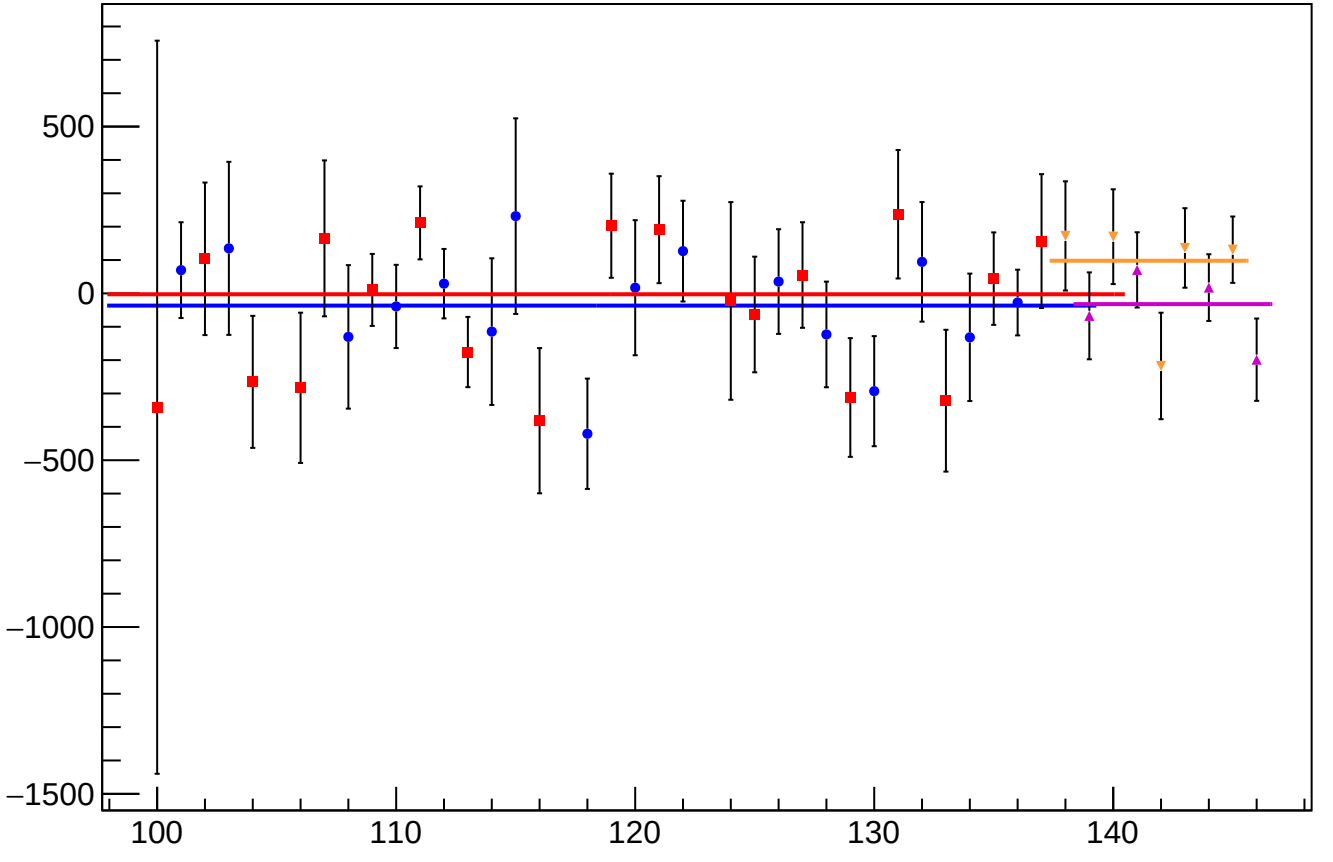
Left In: 728.219+/-0.282 χ^2/NDF:247942.2/3

+ sign 884.843+/-0.200 χ^2/NDF: 2137541.7/20

All: 883.500+/-0.141 χ^2/NDF: 4209417.7/43

- sign 882.180+/-0.199 χ^2/NDF: 2071786.9/22

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 97.905+/-57.971 χ^2/NDF:4.6/4

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

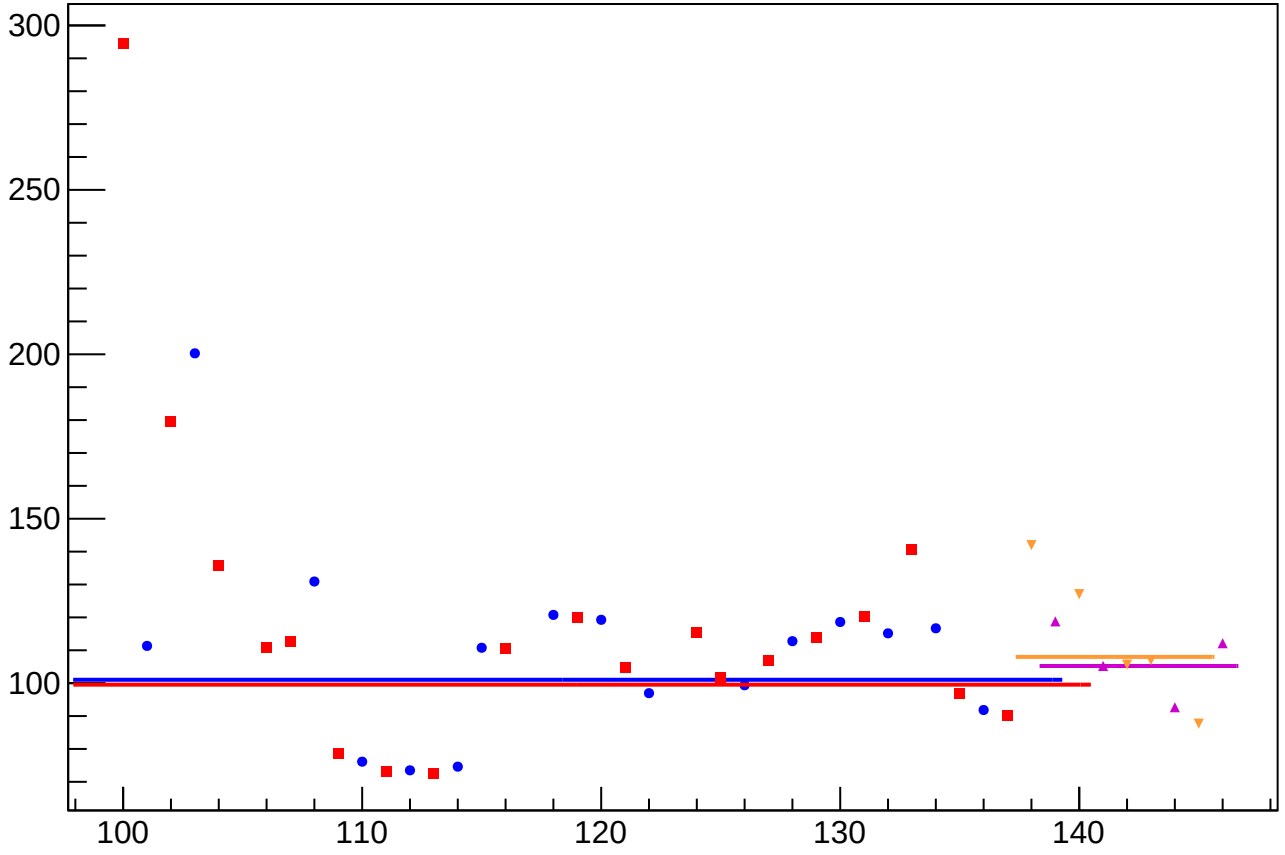
Left In: -32.111+/-57.414 χ^2/NDF:3.0/3

+ sign 5.303+/-32.354 χ^2/NDF: 21.2/20

All: -3.309+/-22.673 χ^2/NDF: 49.2/43

- sign -11.620+/-31.783 χ^2/NDF: 27.9/22

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.995+/-0.041 χ^2/NDF:206132.6/4

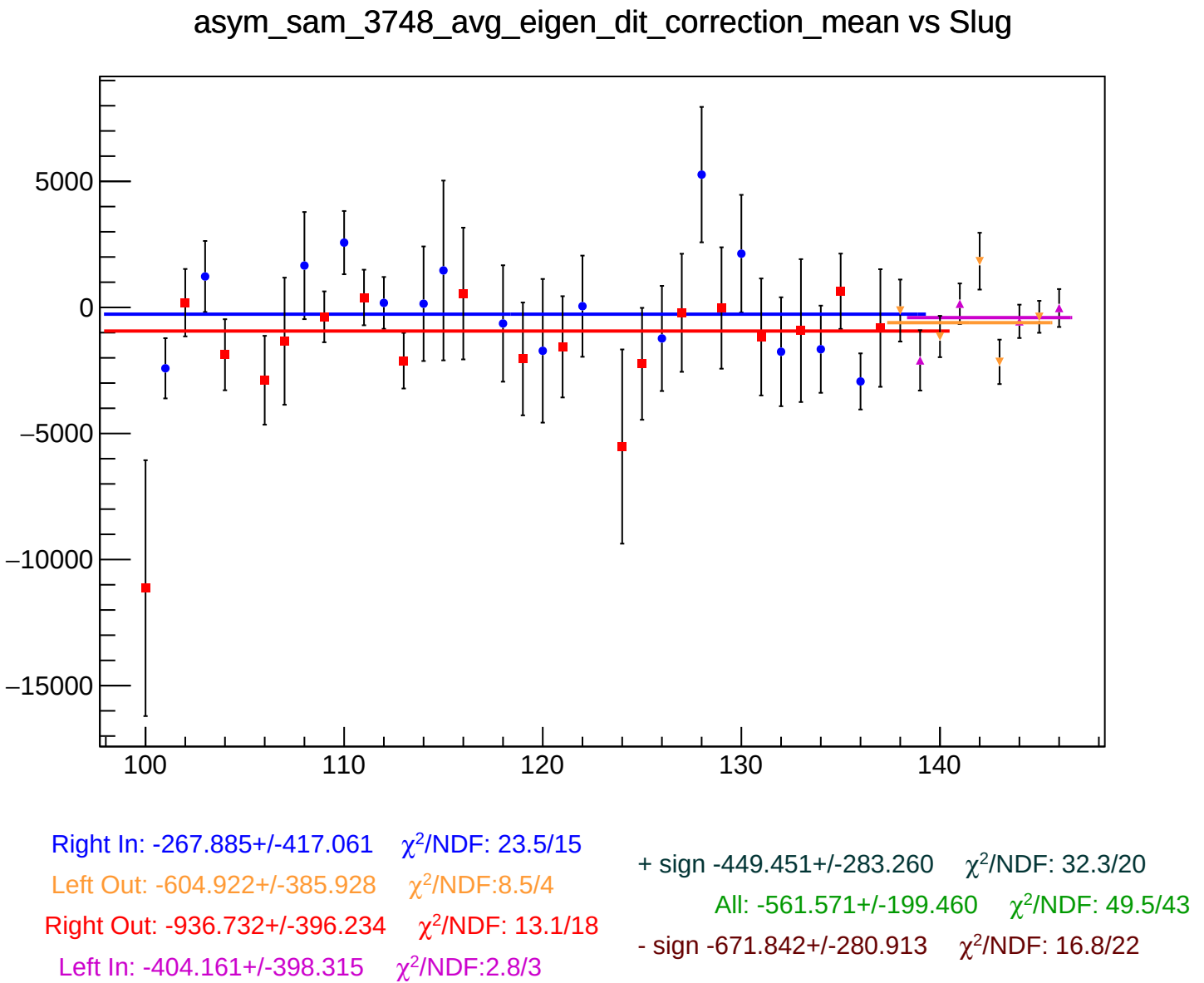
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

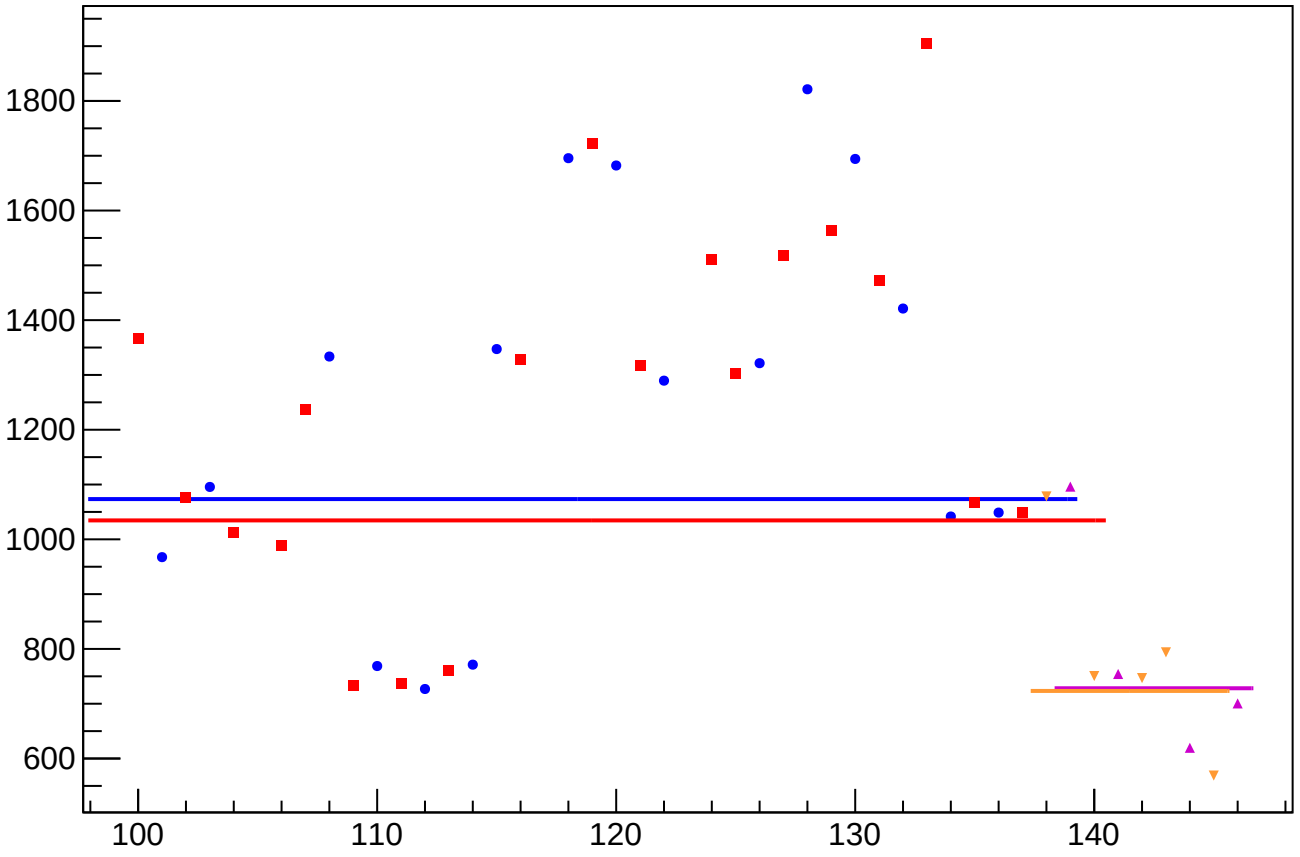
Left In: 105.224+/-0.041 χ^2/NDF:59512.2/3

+ sign 103.200+/-0.023 χ^2/NDF: 942100.3/20

All: 102.227+/-0.016 χ^2/NDF: 1899231.8/43

- sign 101.287+/-0.022 χ^2/NDF: 953570.7/22


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
Right In: -267.885+/-417.061 χ²/NDF: 23.5/15
Left Out: -604.922+/-385.928 χ²/NDF:8.5/4
Right Out: -936.732+/-396.234 χ²/NDF: 13.1/18
Left In: -404.161+/-398.315 χ²/NDF:2.8/3
+ sign -449.451+/-283.260 χ²/NDF: 32.3/20
All: -561.571+/-199.460 χ²/NDF: 49.5/43
- sign -671.842+/-280.913 χ²/NDF: 16.8/22



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 723.336+/-0.273 χ^2/NDF:301181.9/4

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

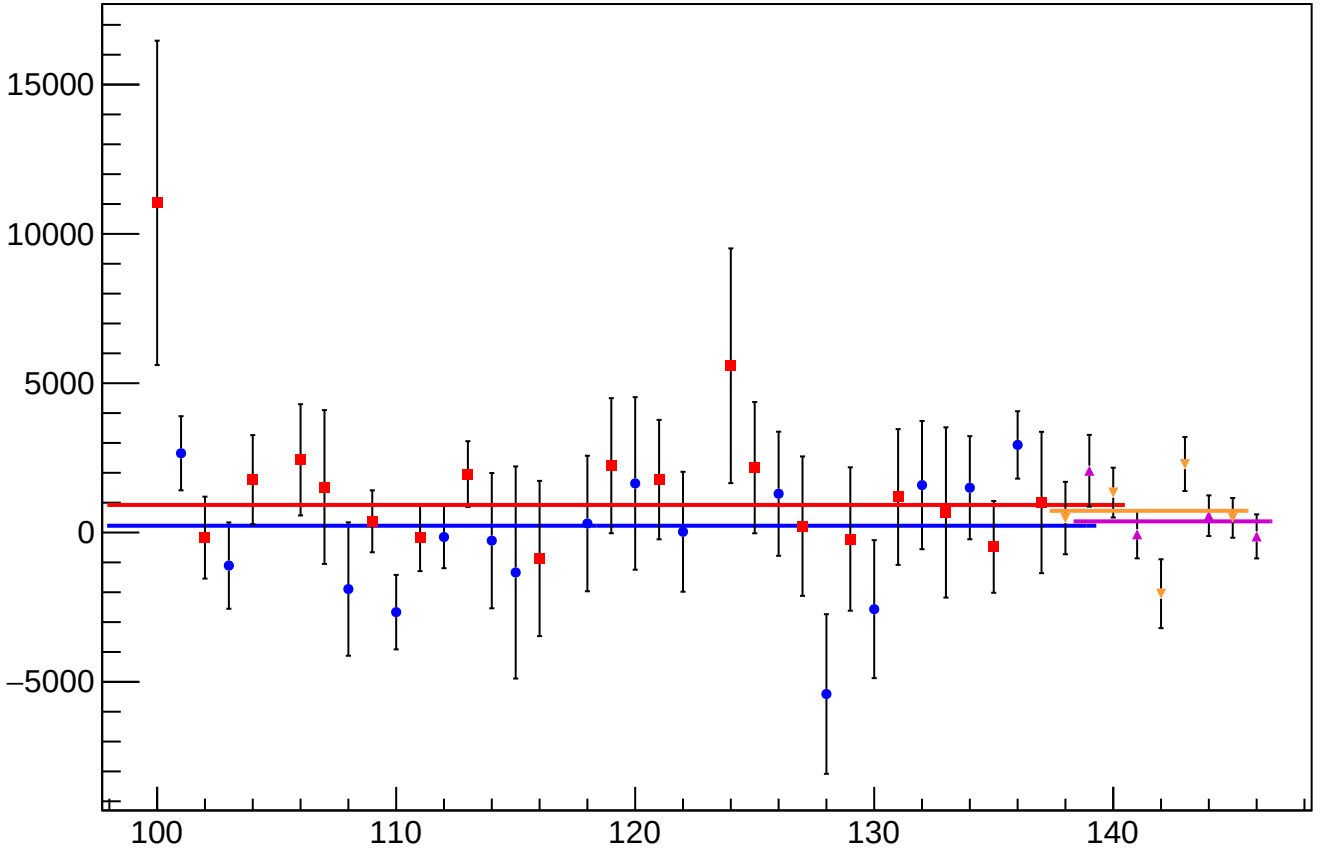
Left In: 728.219+/-0.282 χ^2/NDF:247942.3/3

+ sign 884.841+/-0.200 χ^2/NDF: 2137549.8/20

All: 883.499+/-0.141 χ^2/NDF: 4209426.7/43

- sign 882.178+/-0.199 χ^2/NDF: 2071787.8/22

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 727.682+/-396.716 χ^2/NDF:9.5/4

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

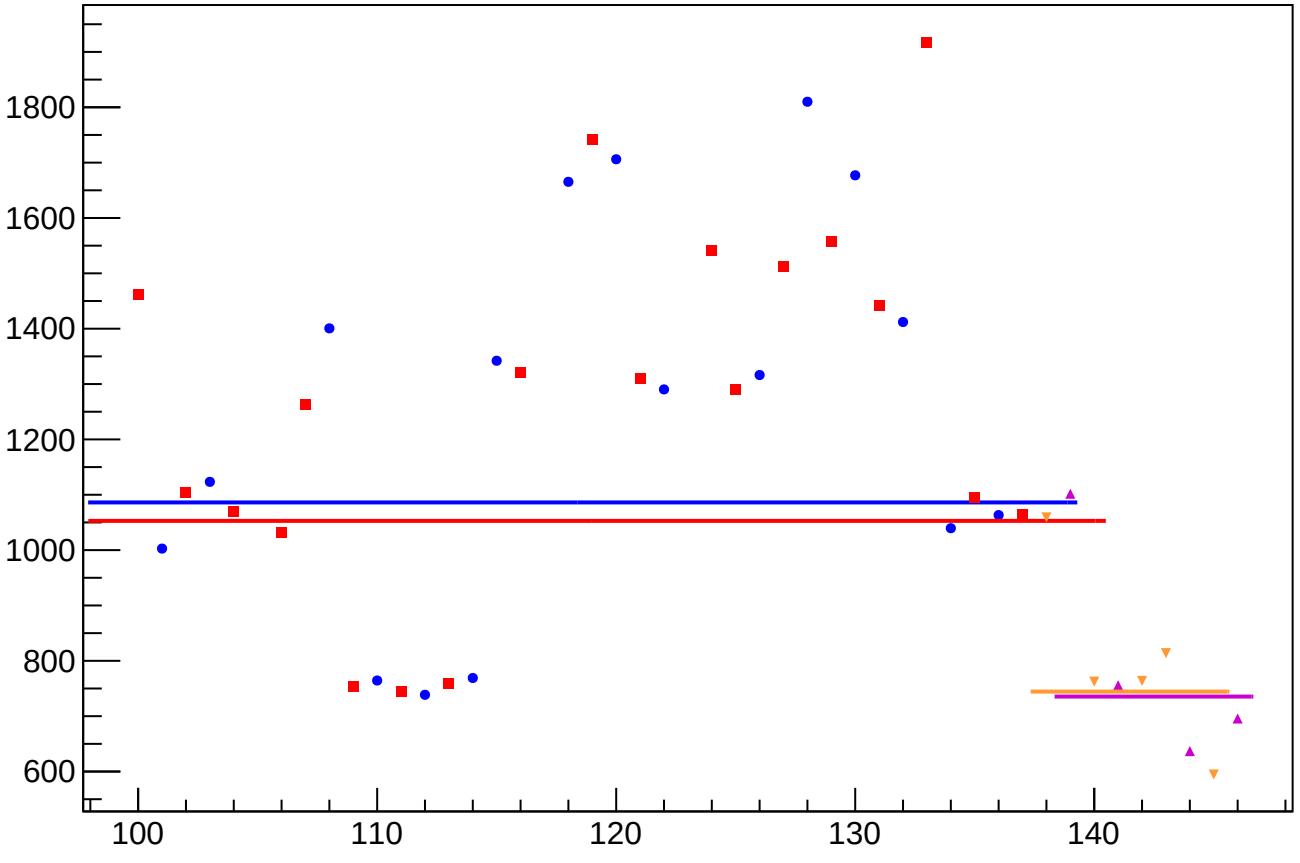
Left In: 373.398+/-400.883 χ^2/NDF:2.8/3

+ sign 492.928+/-288.994 χ^2/NDF: 34.7/20

All: 571.242+/-202.651 χ^2/NDF: 49.8/43

- sign 647.005+/-284.248 χ^2/NDF: 14.9/22

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 744.452+/-0.281 χ^2/NDF:249613.9/4

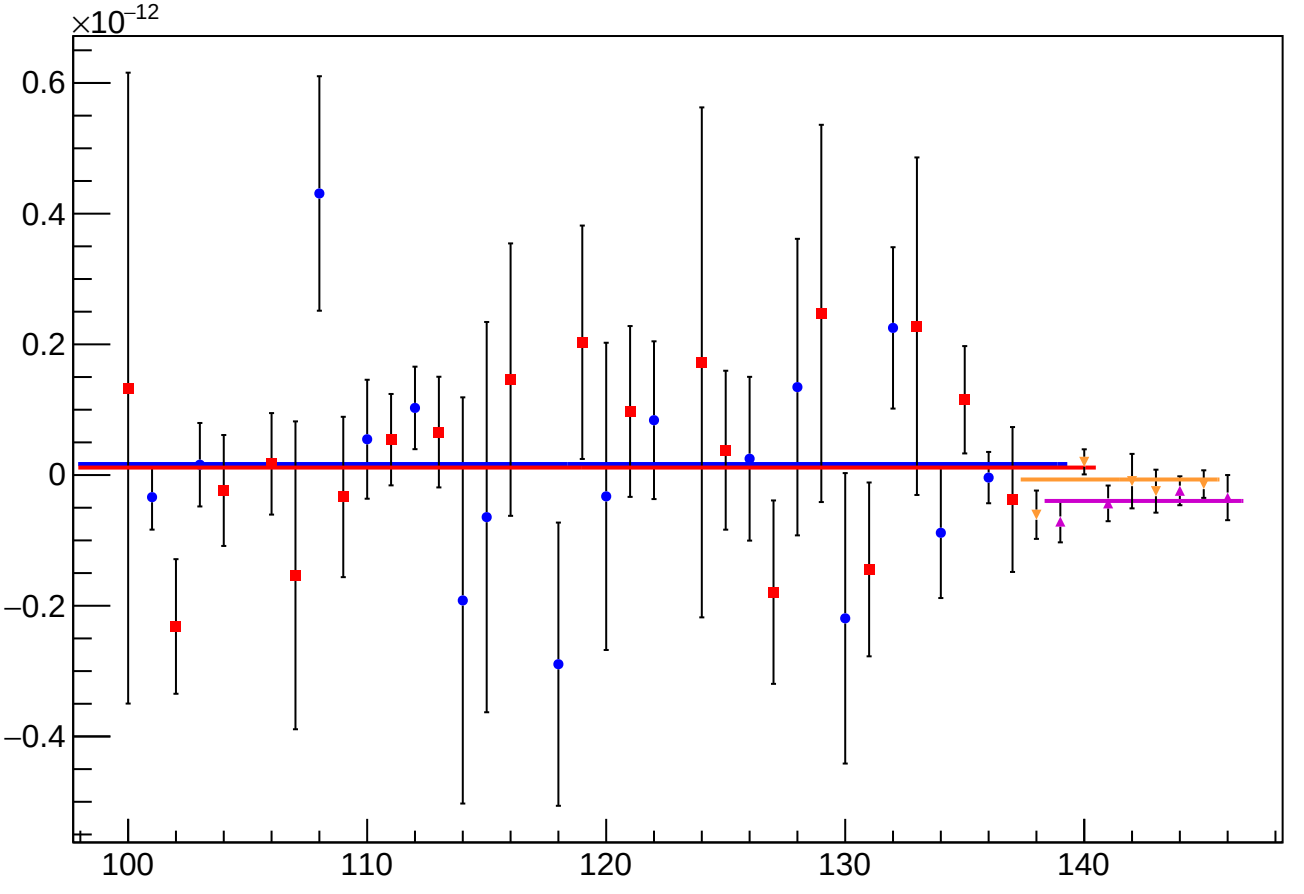
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

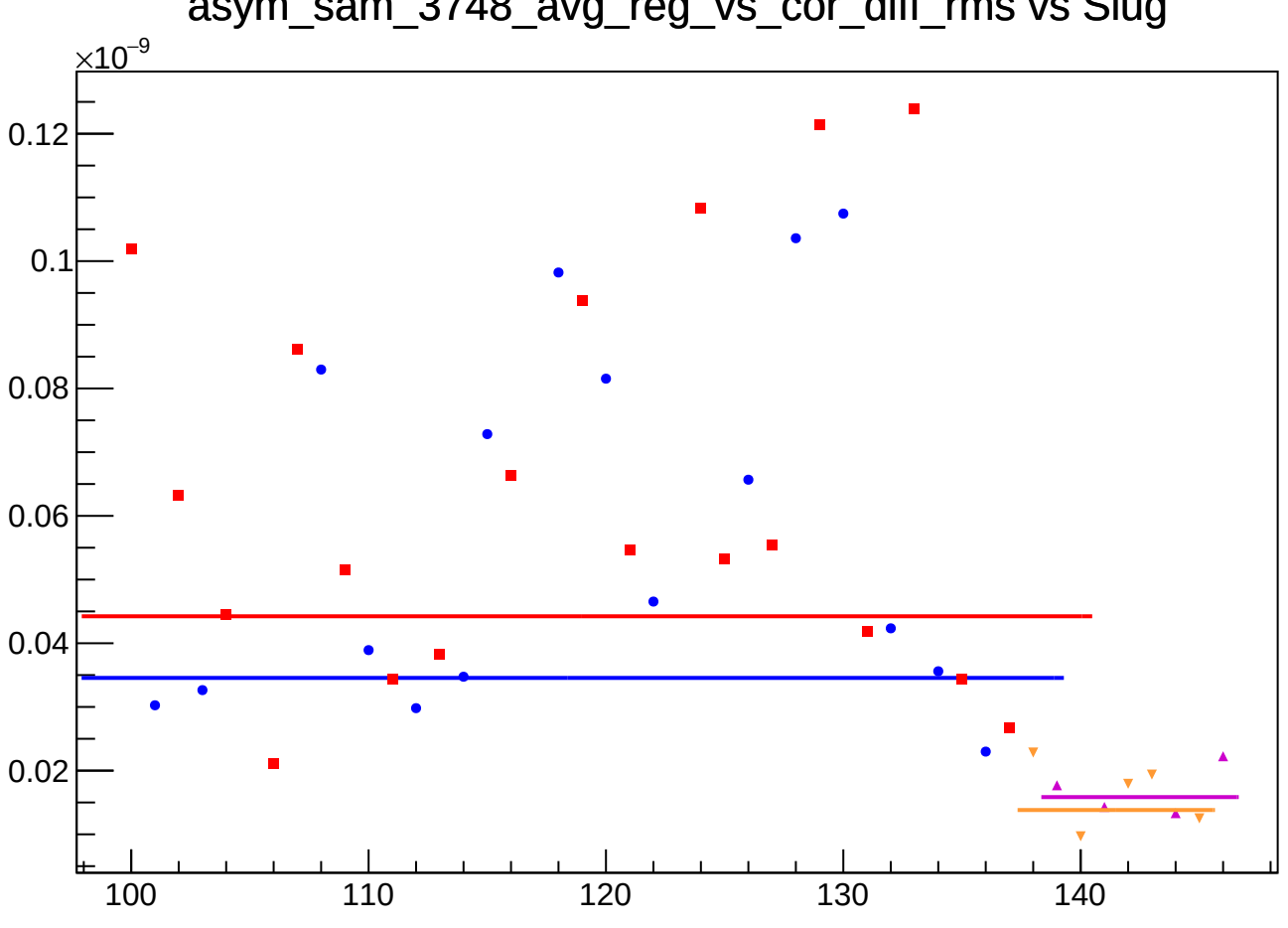
Left In: 735.434+/-0.283 χ^2/NDF:234774.1/3

+ sign 904.818+/-0.204 χ^2/NDF: 1993415.5/20

All: 898.941+/-0.143 χ^2/NDF: 4047635.8/43

- sign 893.256+/-0.201 χ^2/NDF: 2052593.3/22


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:4.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 15.8/18
Left In: -0.000+/-0.000 χ²/NDF:1.5/3
+ sign -0.000+/-0.000 χ²/NDF: 22.3/20
All: -0.000+/-0.000 χ²/NDF: 45.4/43
- sign -0.000+/-0.000 χ²/NDF: 20.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:295872.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

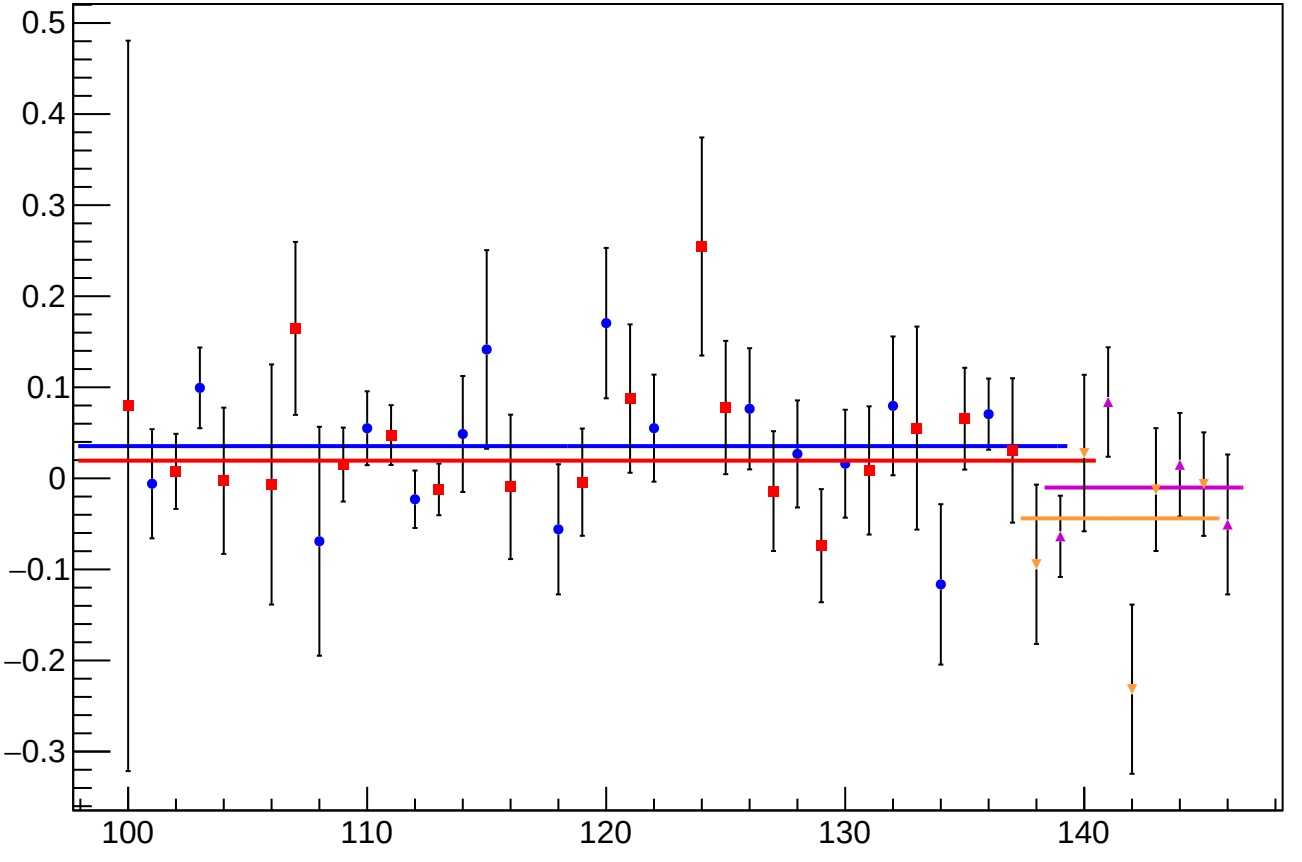
Left In: 0.000+/-0.000 χ^2/NDF:108042.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 2883362.4/20

All: 0.000+/-0.000 χ^2/NDF: 5909378.5/43

- sign 0.000+/-0.000 χ^2/NDF: 2942265.2/22

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: -0.044+/-0.033 χ^2/NDF:5.8/4

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

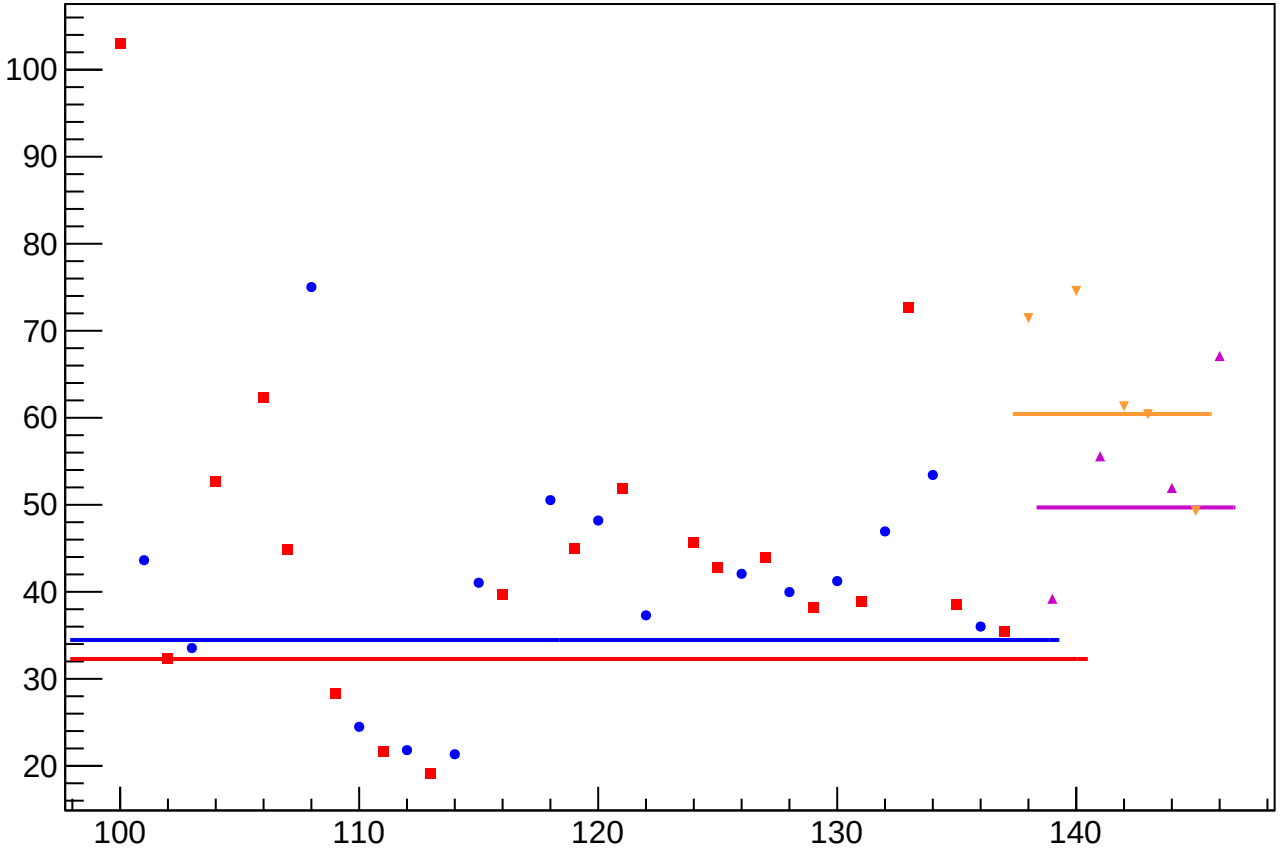
Left In: -0.010+/-0.028 χ^2/NDF:4.4/3

+ sign 0.024+/-0.013 χ^2/NDF: 27.6/20

All: 0.019+/-0.009 χ^2/NDF: 46.5/43

- sign 0.014+/-0.012 χ^2/NDF: 18.6/22

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: 60.436+/-0.023 χ^2/NDF:162930.8/4

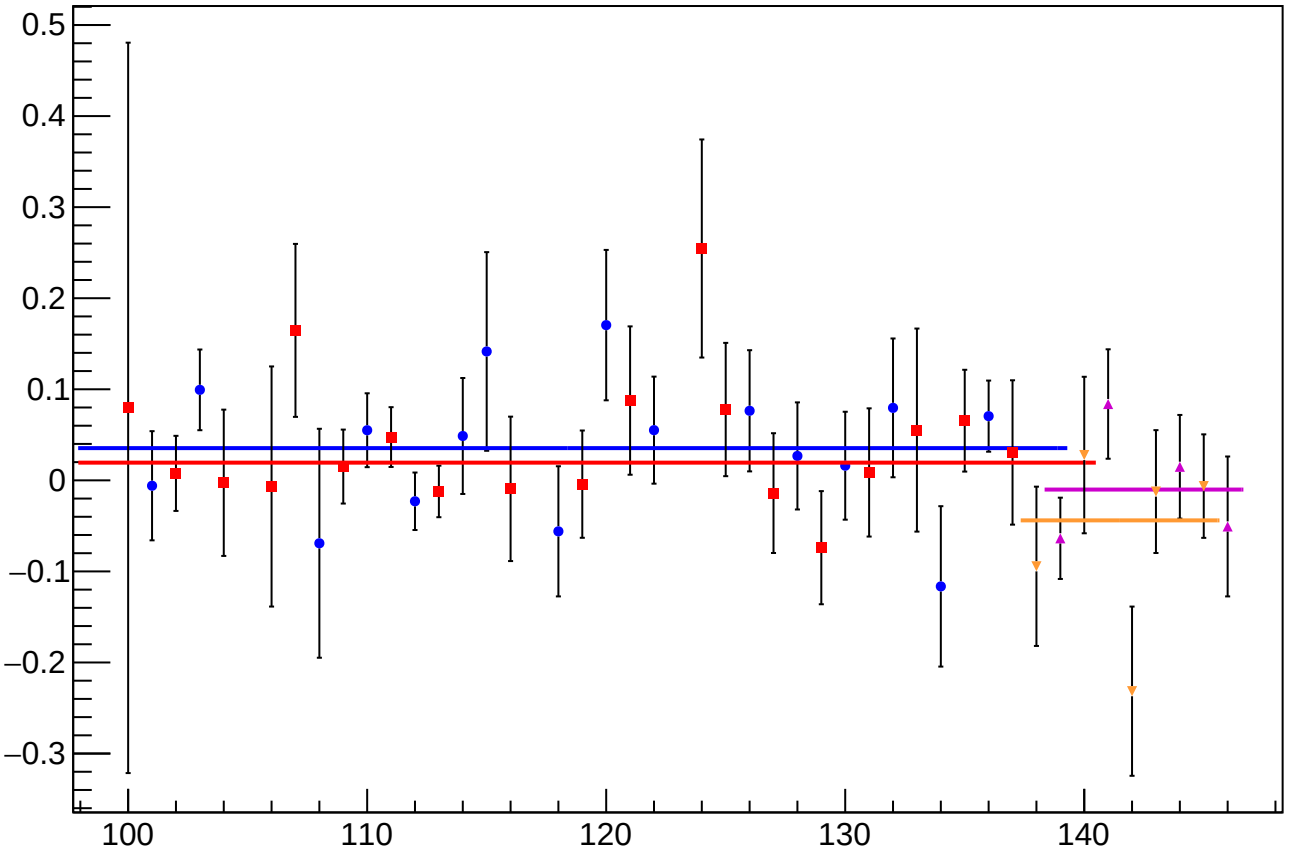
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.698+/-0.020 χ^2/NDF:235336.5/3

+ sign 38.352+/-0.009 χ^2/NDF: 2379452.3/20

All: 36.759+/-0.006 χ^2/NDF: 4971794.7/43

- sign 35.384+/-0.008 χ^2/NDF: 2534715.9/22



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.044+/-0.033 χ^2/NDF:5.8/4

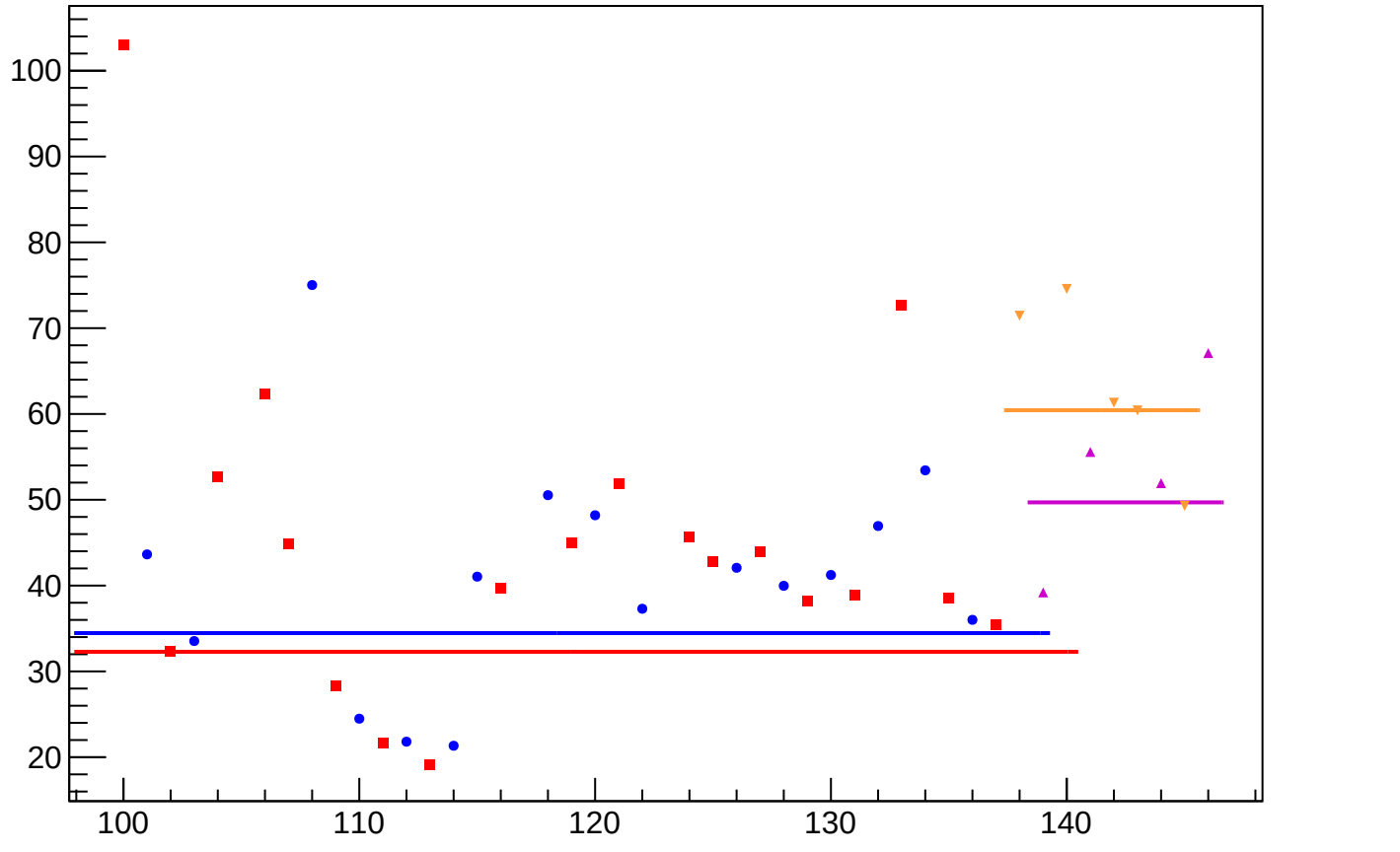
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.028 χ^2/NDF:4.4/3

+ sign 0.024+/-0.013 χ^2/NDF: 27.6/20

All: 0.019+/-0.009 χ^2/NDF: 46.5/43

- sign 0.014+/-0.012 χ^2/NDF: 18.6/22



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 60.436+/-0.023 χ^2/NDF:162930.8/4

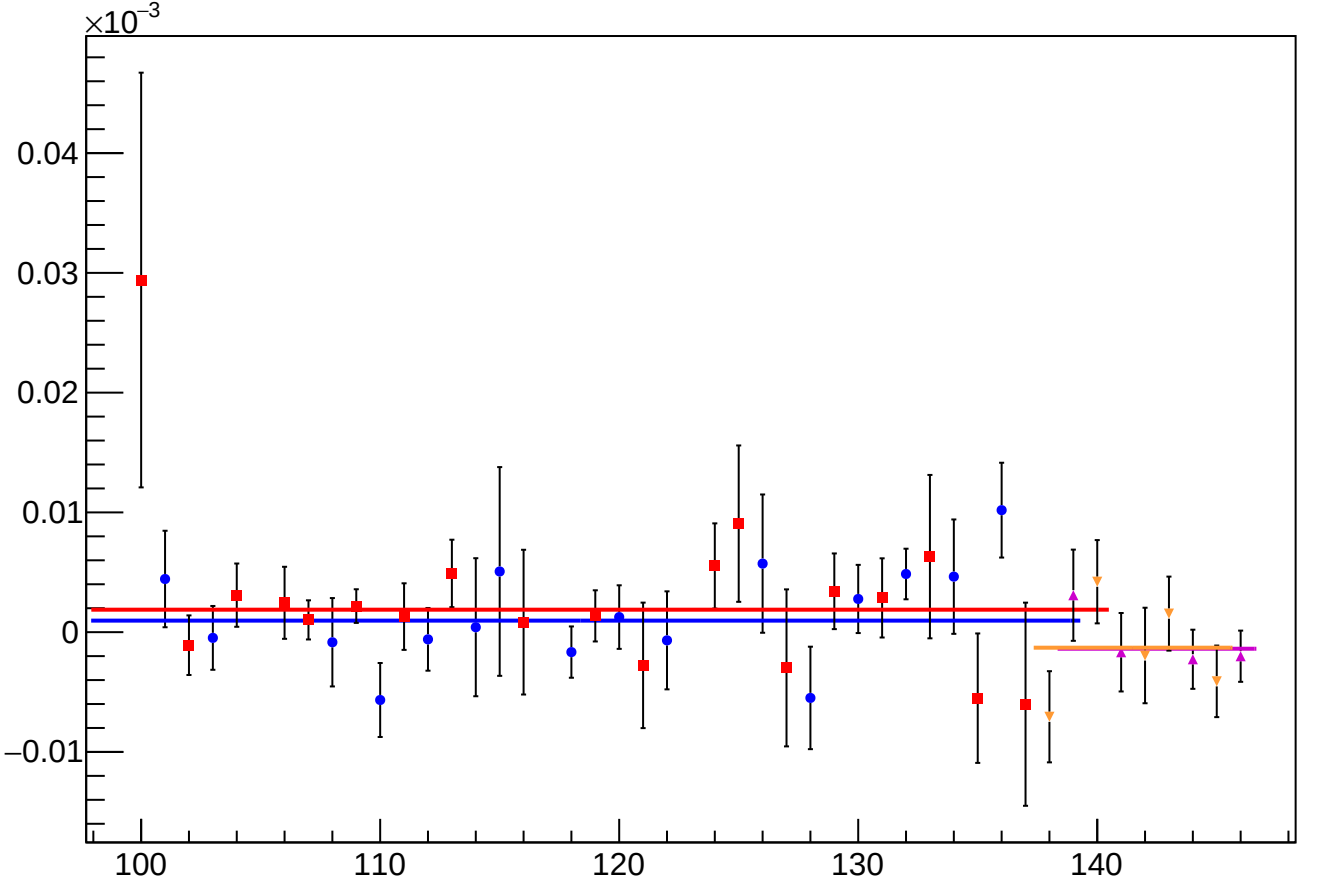
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.698+/-0.020 χ^2/NDF:235336.5/3

+ sign 38.352+/-0.009 χ^2/NDF: 2379452.3/20

All: 36.759+/-0.006 χ^2/NDF: 4971794.7/43

- sign 35.384+/-0.008 χ^2/NDF: 2534715.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/4

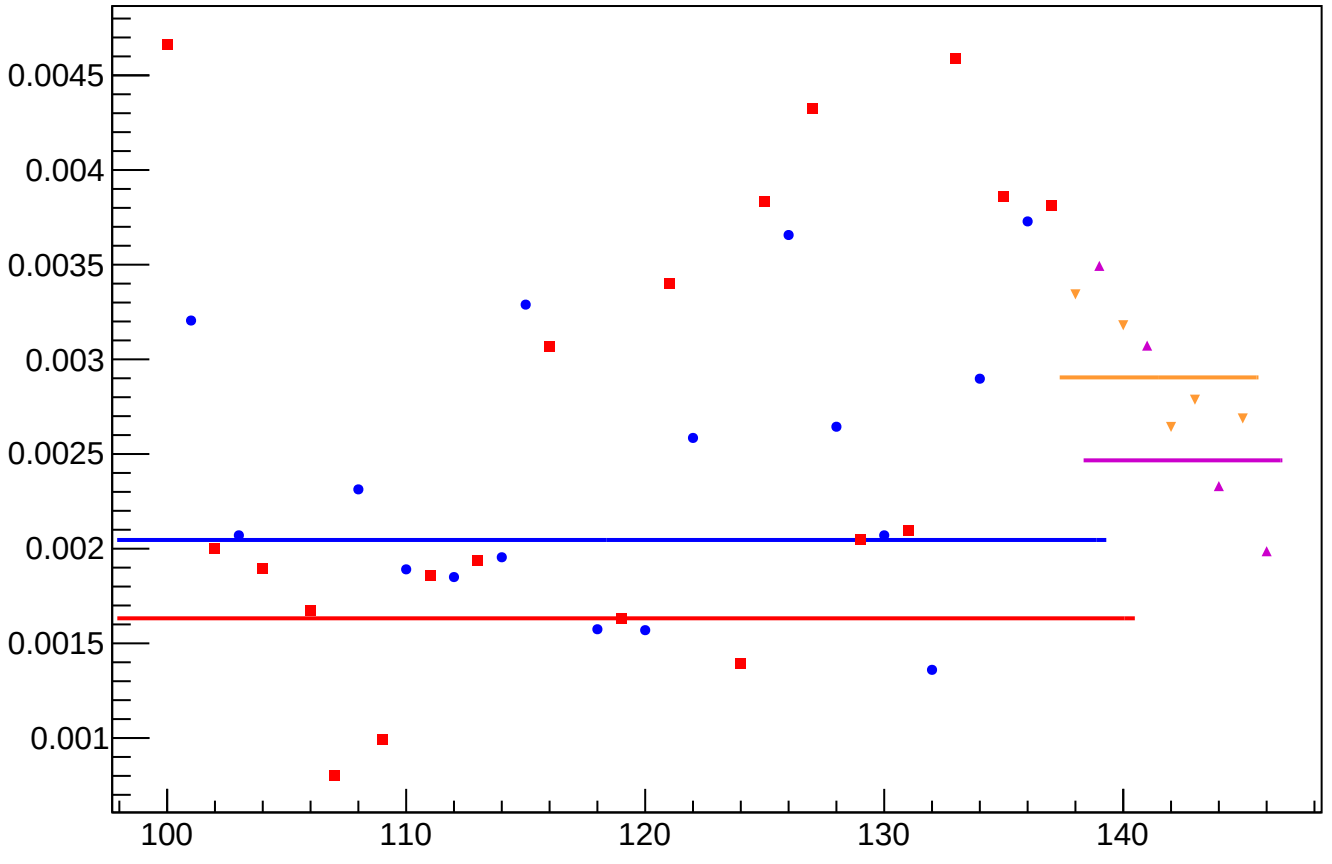
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/20

All: 0.000+/-0.000 χ^2/NDF: 49.0/43

- sign 0.000+/-0.000 χ^2/NDF: 19.1/22



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:61146.9/4

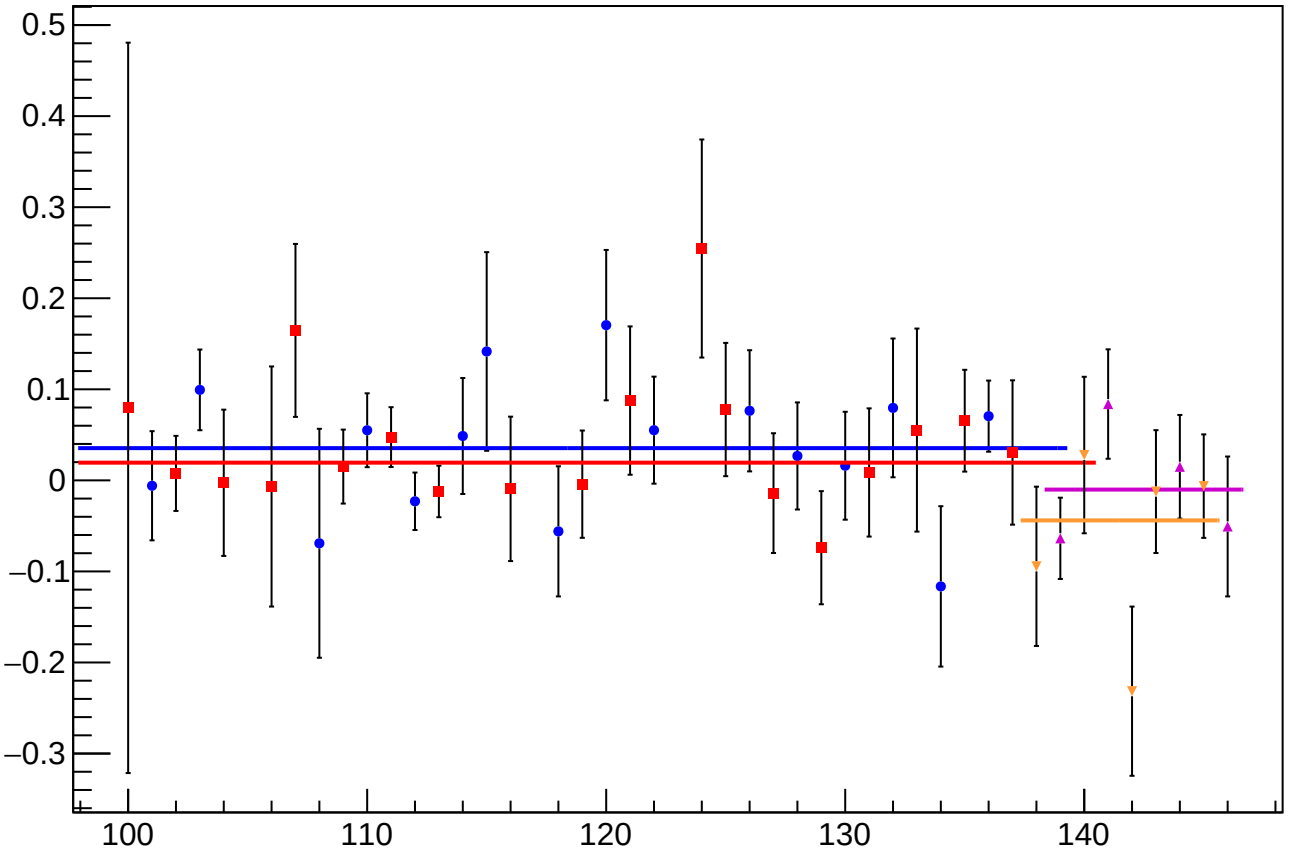
Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:320845.7/3

+ sign 0.002+/-0.000 χ^2/NDF: 1817720.9/20

All: 0.002+/-0.000 χ^2/NDF: 6118622.0/43

- sign 0.002+/-0.000 χ^2/NDF: 3859285.3/22



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.044+/-0.033 χ^2/NDF:5.8/4

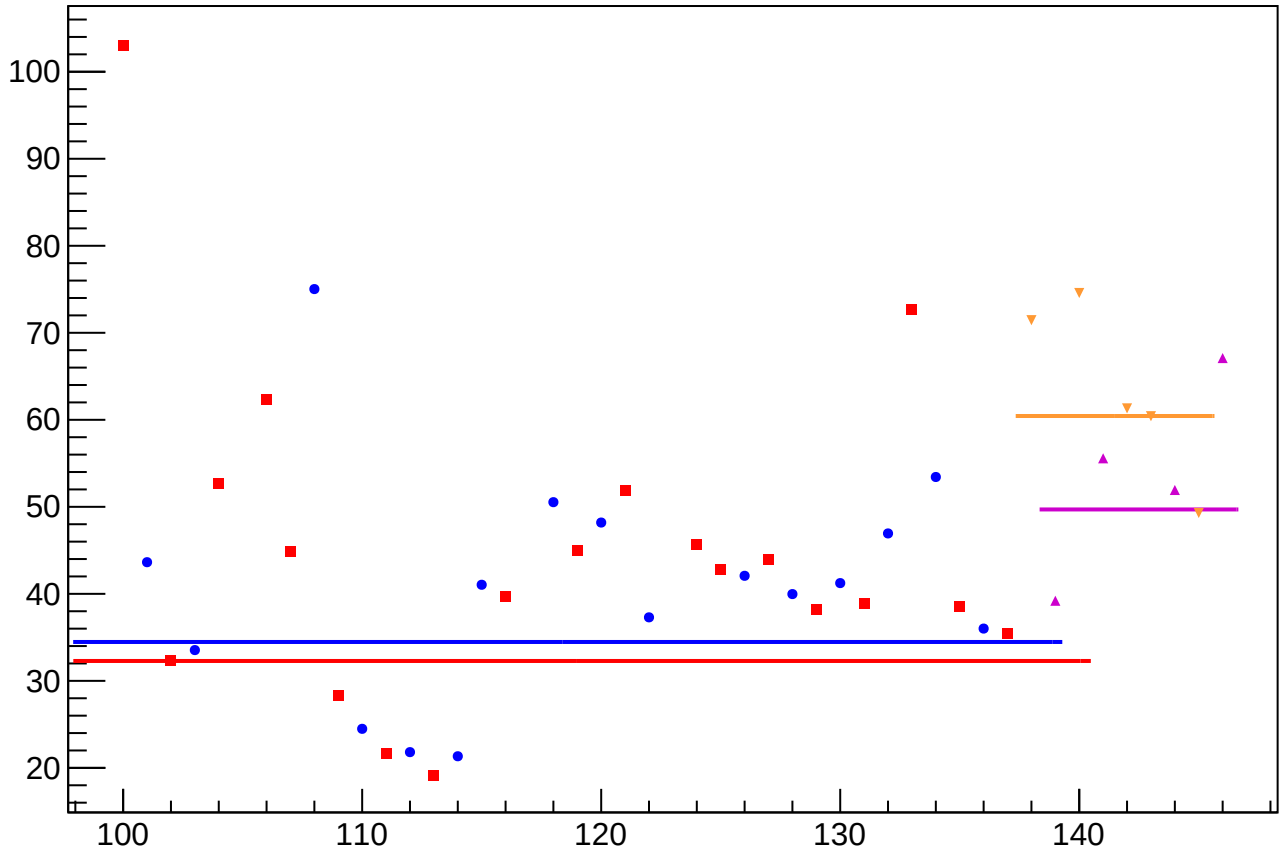
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.028 χ^2/NDF:4.4/3

+ sign 0.024+/-0.013 χ^2/NDF: 27.6/20

All: 0.019+/-0.009 χ^2/NDF: 46.5/43

- sign 0.014+/-0.012 χ^2/NDF: 18.6/22



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 60.437+/-0.023 χ^2/NDF:162912.7/4

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

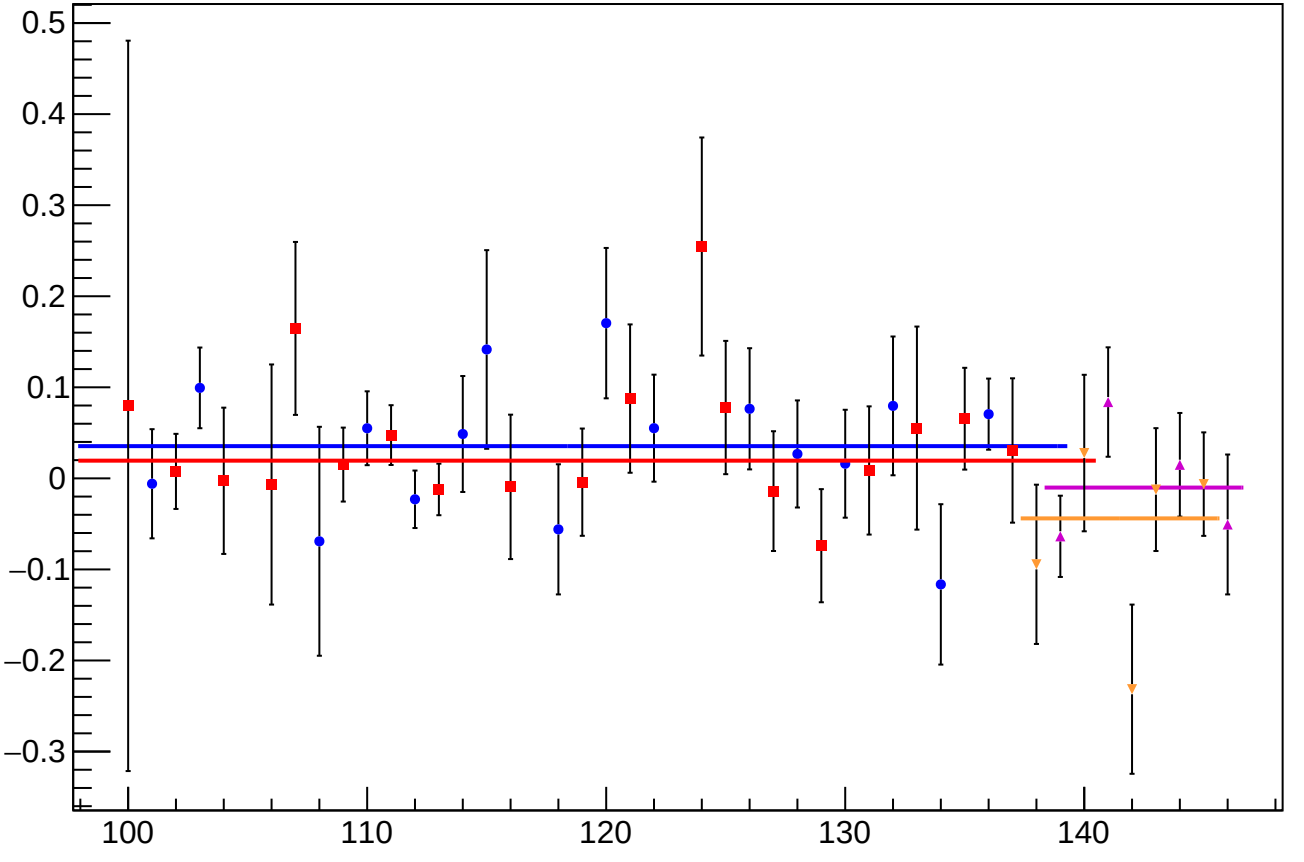
Left In: 49.698+/-0.020 χ^2/NDF:235359.0/3

+ sign 38.352+/-0.009 χ^2/NDF: 2379413.8/20

All: 36.759+/-0.006 χ^2/NDF: 4971734.1/43

- sign 35.385+/-0.008 χ^2/NDF: 2534693.9/22

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: -0.044+/-0.033 χ^2/NDF:5.8/4

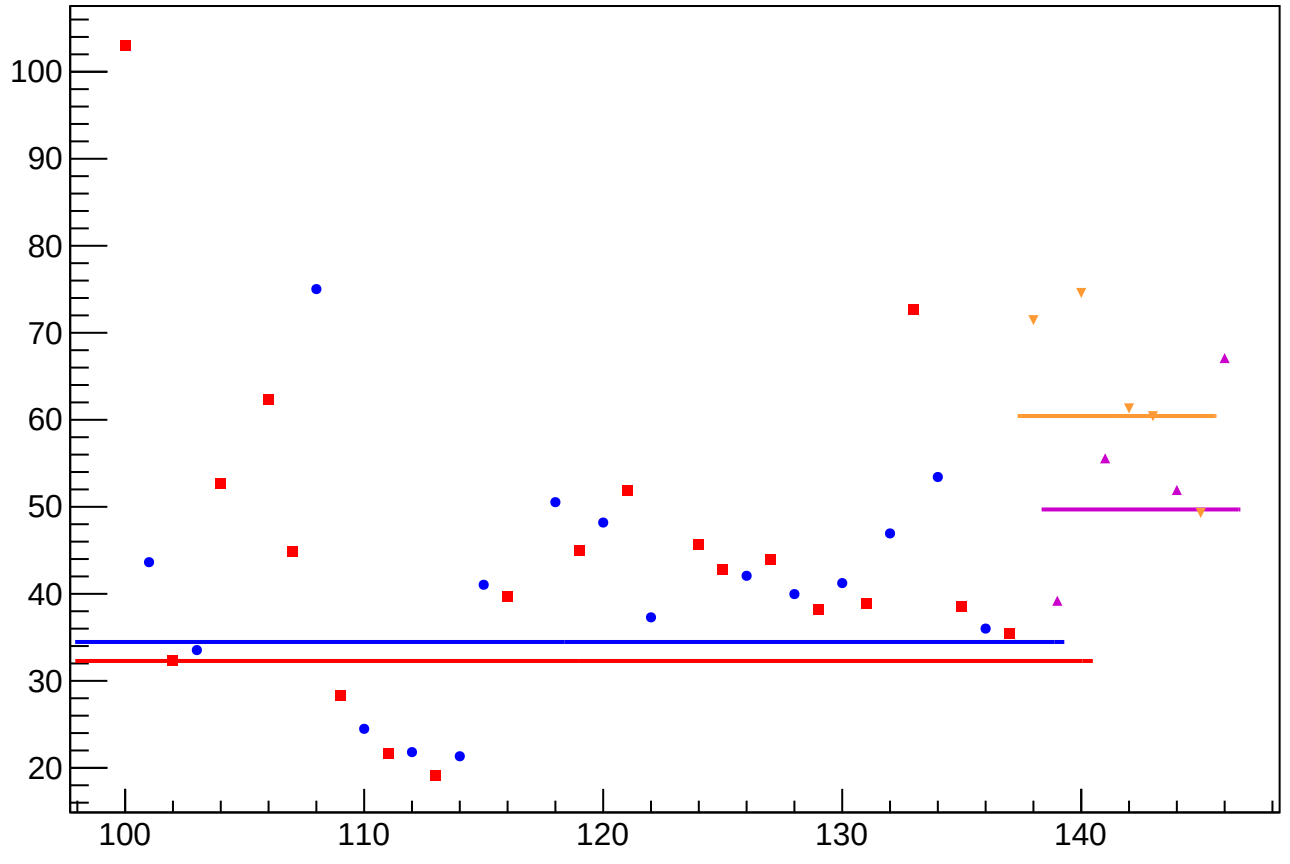
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.028 χ^2/NDF:4.4/3

+ sign 0.024+/-0.013 χ^2/NDF: 27.6/20

All: 0.019+/-0.009 χ^2/NDF: 46.5/43

- sign 0.014+/-0.012 χ^2/NDF: 18.6/22



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 60.437+/-0.023 χ^2/NDF:162912.7/4

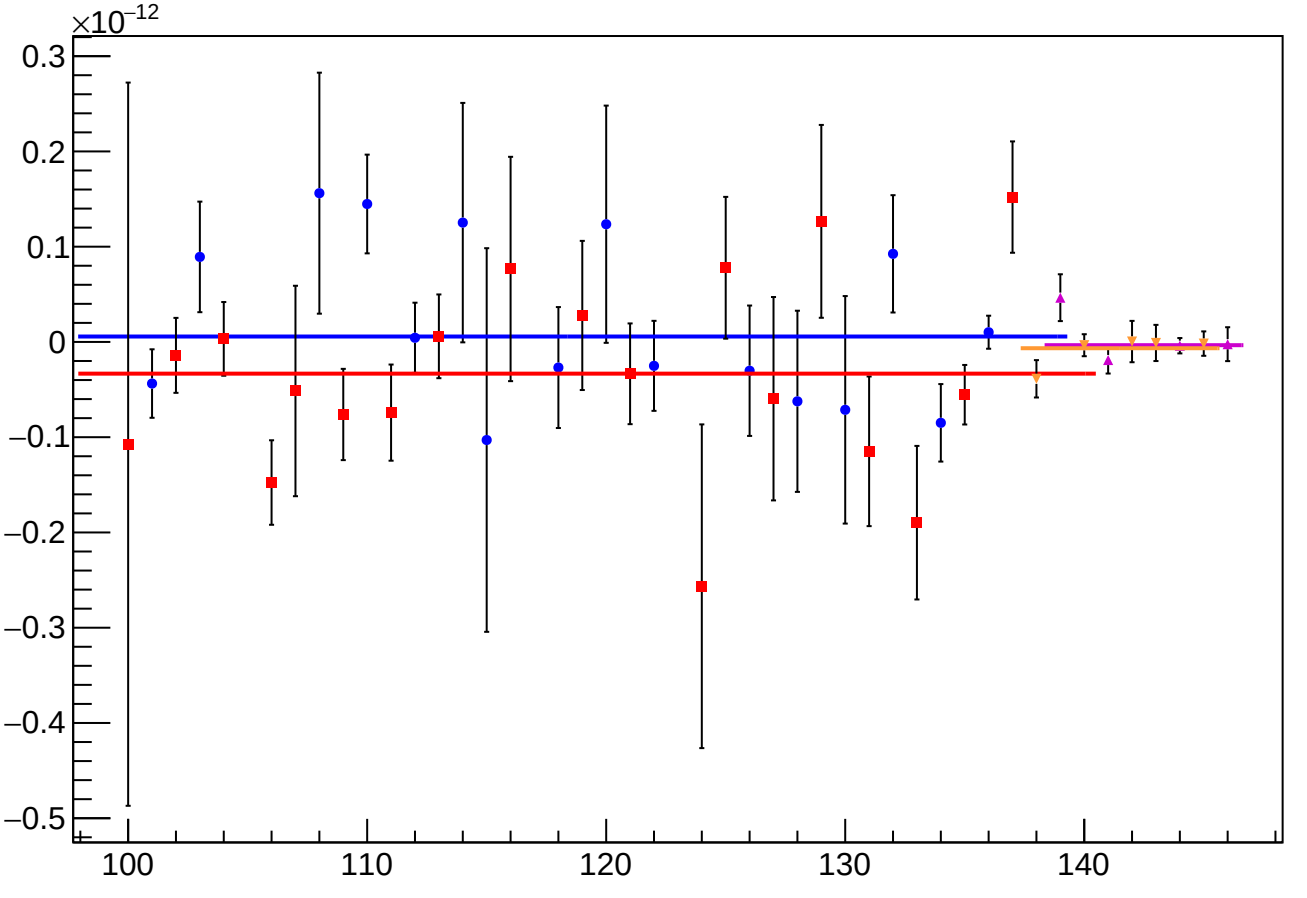
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.698+/-0.020 χ^2/NDF:235359.0/3

+ sign 38.352+/-0.009 χ^2/NDF: 2379413.8/20

All: 36.759+/-0.006 χ^2/NDF: 4971734.1/43

- sign 35.385+/-0.008 χ^2/NDF: 2534693.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/4

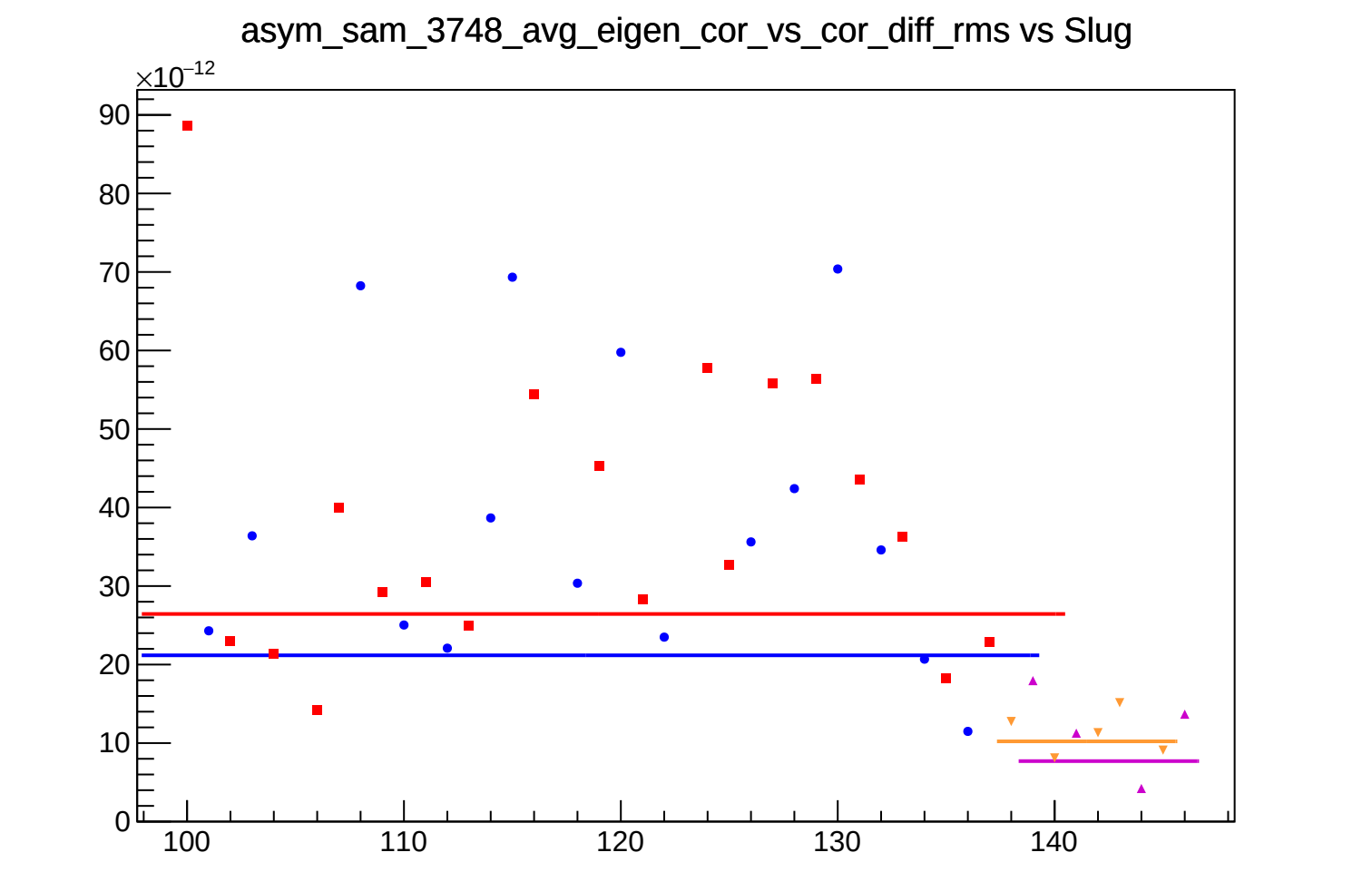
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/20

All: -0.000+/-0.000 χ^2/NDF: 71.1/43

- sign -0.000+/-0.000 χ^2/NDF: 43.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:254942.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

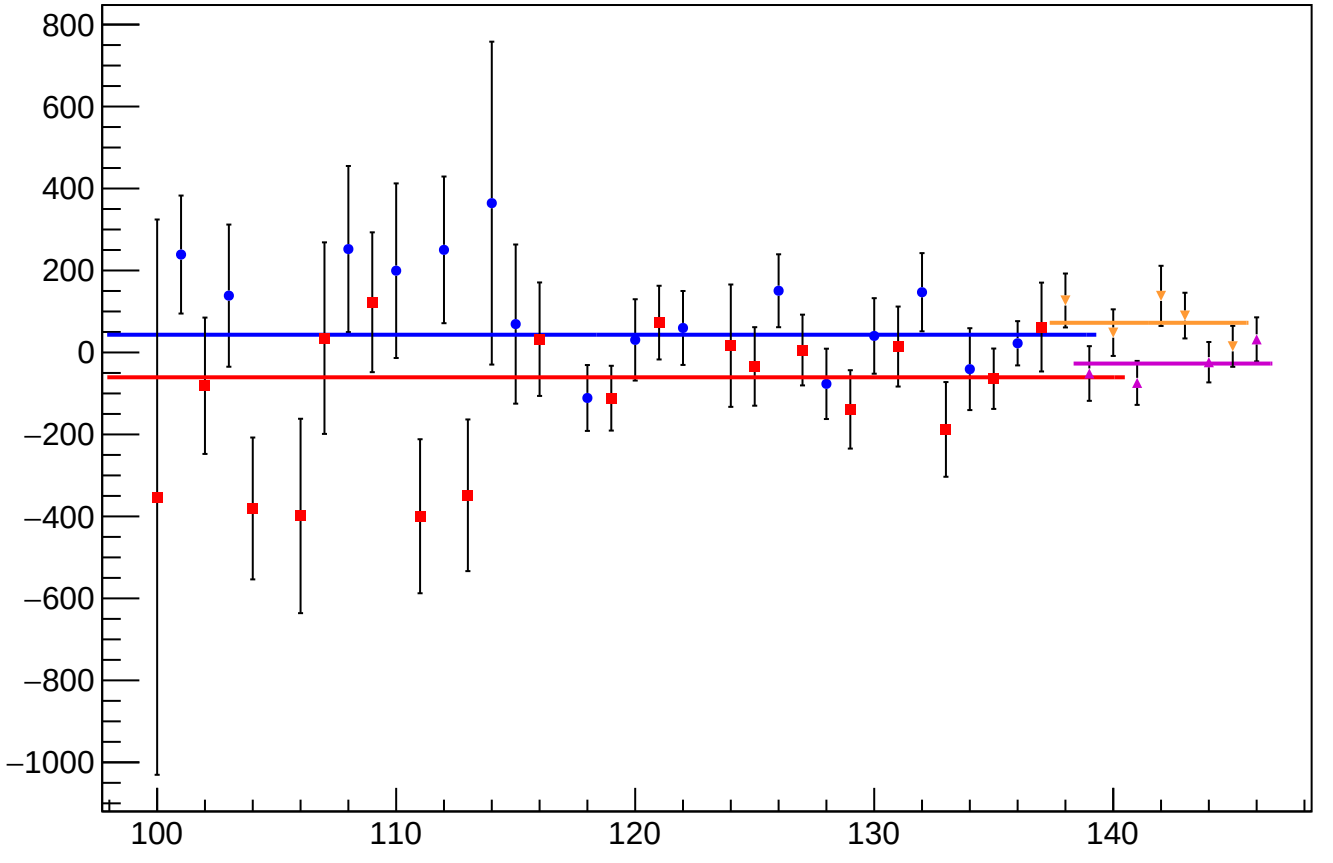
Left In: 0.000+/-0.000 χ^2/NDF:1072298.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 3687937.5/20

All: 0.000+/-0.000 χ^2/NDF: 9432263.8/43

- sign 0.000+/-0.000 χ^2/NDF: 5638320.3/22

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.386+/-26.274 χ^2/NDF:3.1/4

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

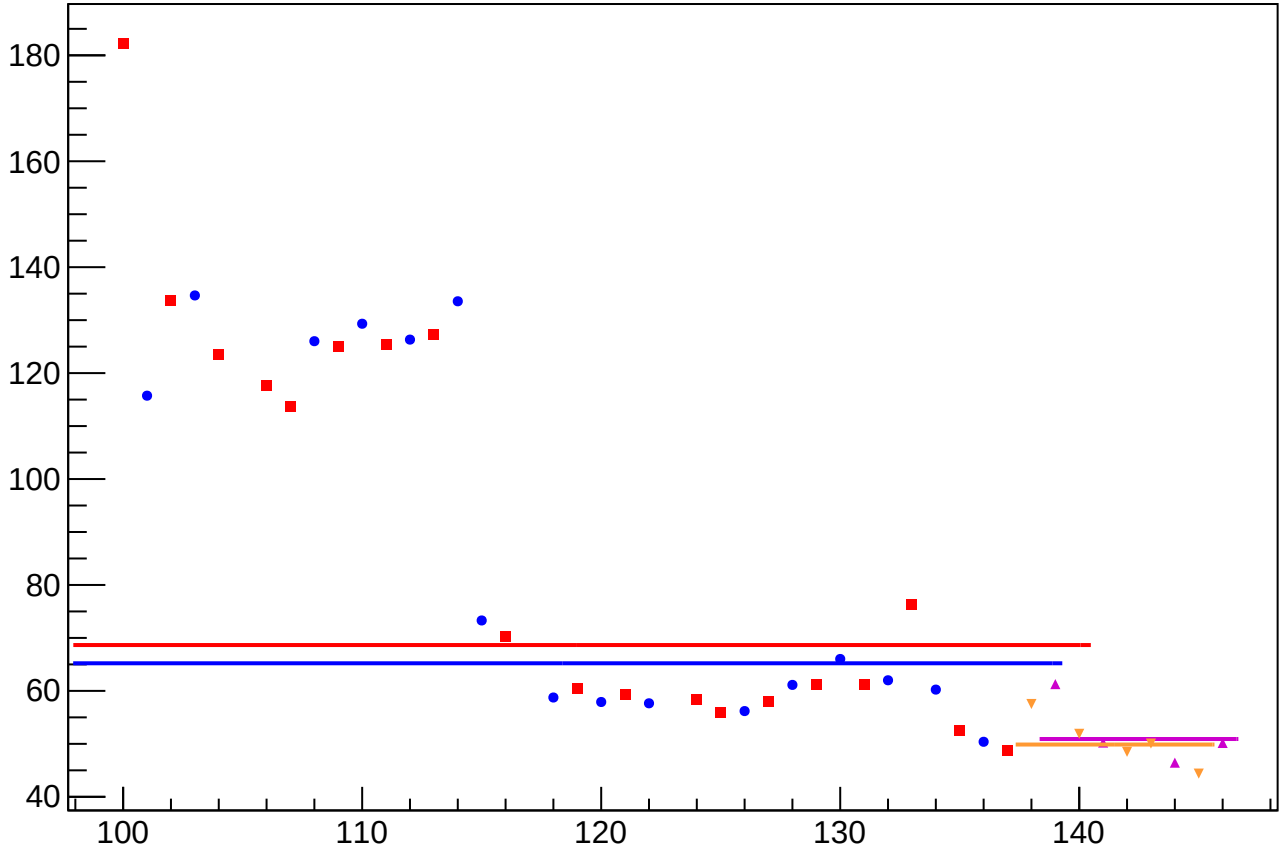
Left In: -27.081+/-27.416 χ^2/NDF:2.1/3

+ sign 57.540+/-18.402 χ^2/NDF: 18.7/20

All: 8.849+/-13.285 χ^2/NDF: 56.6/43

- sign -44.153+/-19.199 χ^2/NDF: 23.3/22

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.871+/-0.019 χ^2/NDF:54486.0/4

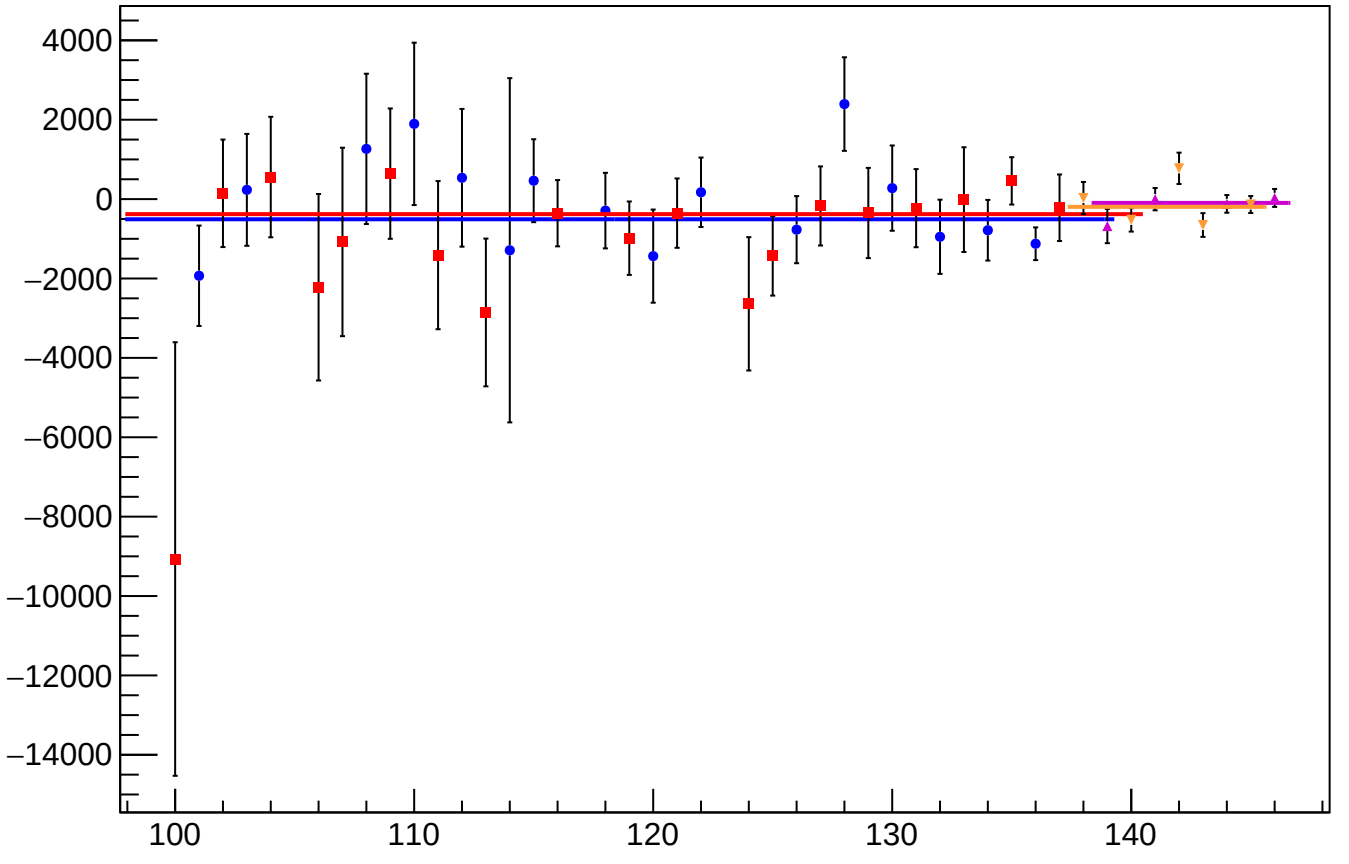
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

+ sign 57.687+/-0.013 χ^2/NDF: 1848410.6/20

All: 58.773+/-0.009 χ^2/NDF: 3996101.5/43

- sign 59.956+/-0.014 χ^2/NDF: 2133132.2/22



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -194.545+/-132.229 χ^2/NDF:10.0/4

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

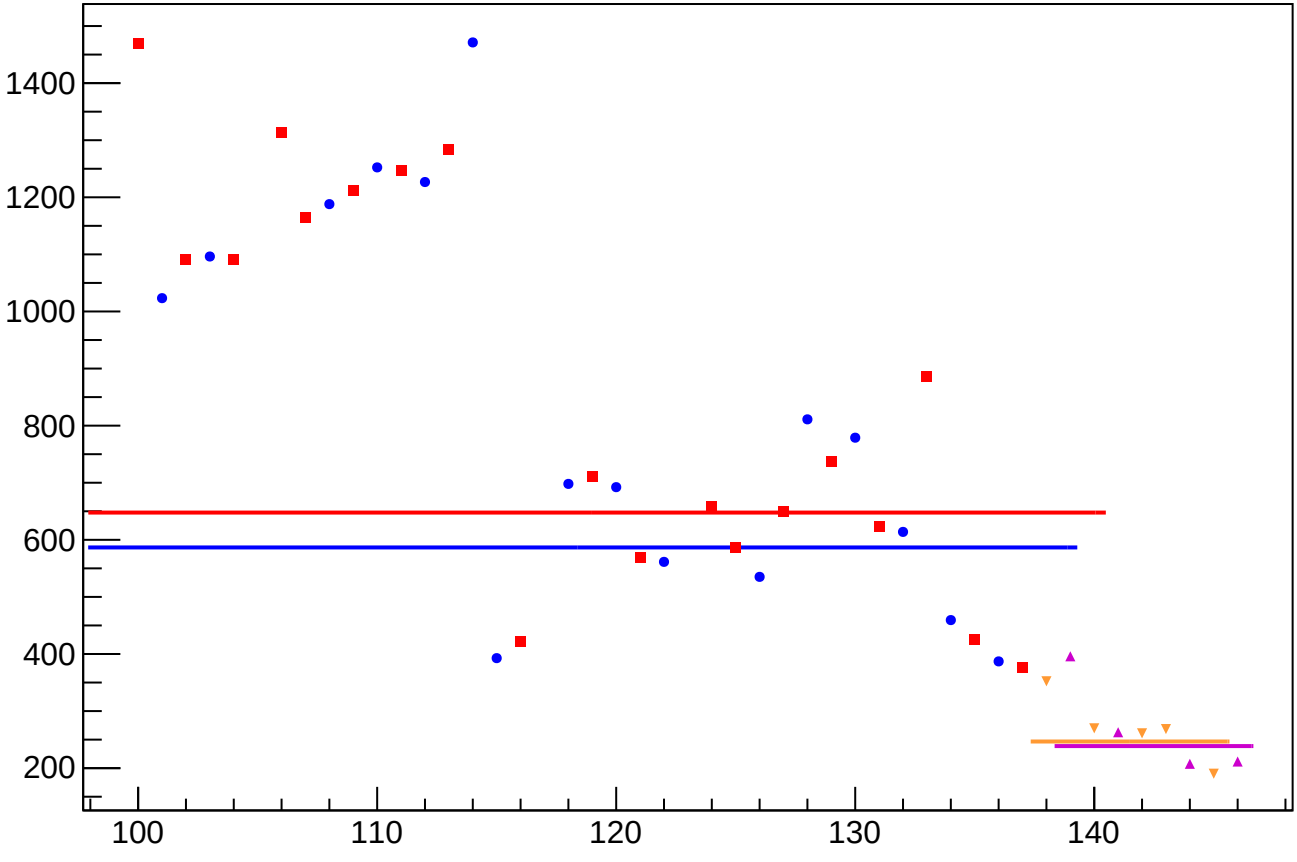
Left In: -95.496+/-131.629 χ^2/NDF:2.3/3

+ sign -268.966+/-115.466 χ^2/NDF: 27.0/20

All: -212.588+/-82.219 χ^2/NDF: 42.4/43

- sign -154.604+/-117.100 χ^2/NDF: 15.0/22

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 246.708+/-0.094 χ^2/NDF:301792.3/4

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

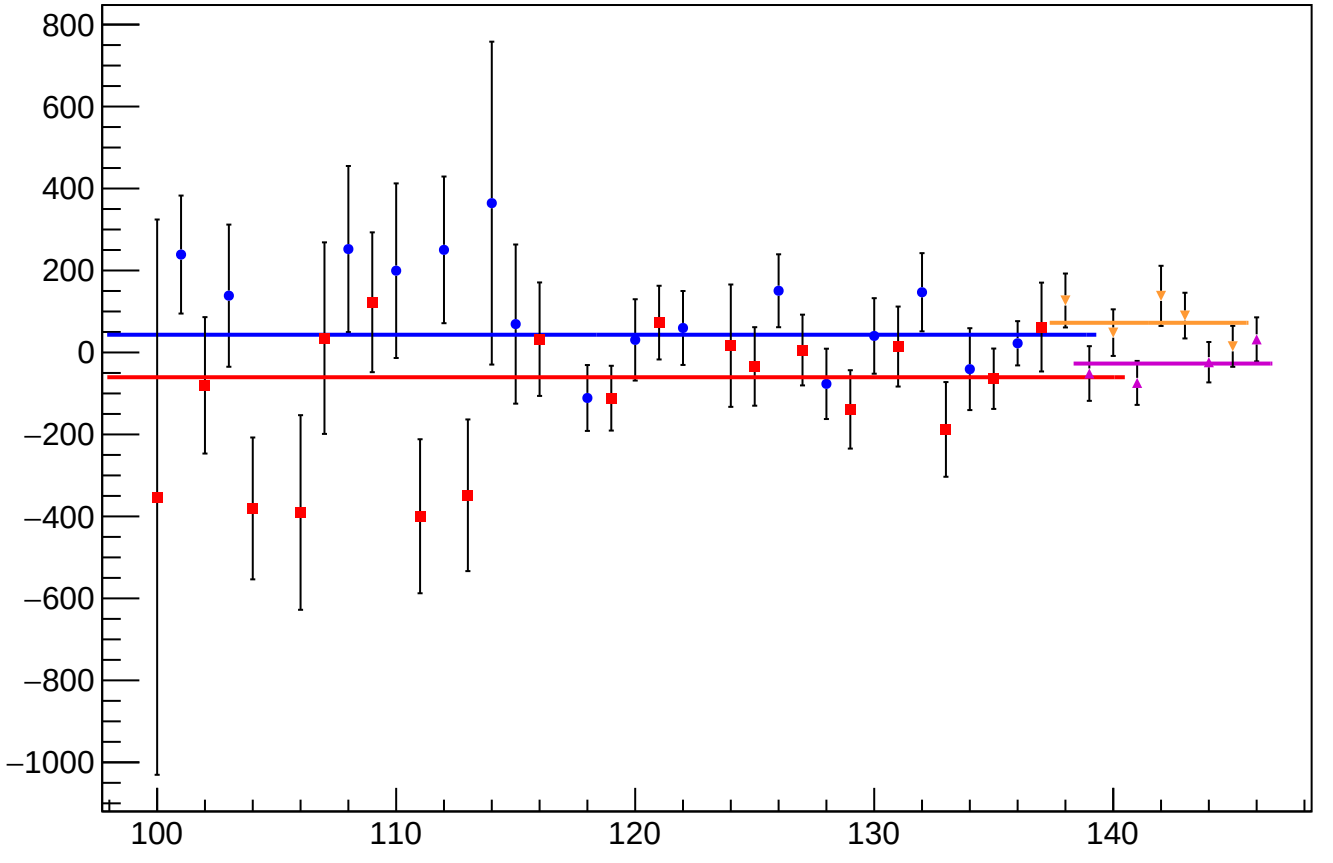
Left In: 238.696+/-0.093 χ^2/NDF:348609.6/3

+ sign 327.434+/-0.082 χ^2/NDF: 5493907.7/20

All: 325.746+/-0.058 χ^2/NDF: 11977239.9/43

- sign 324.010+/-0.083 χ^2/NDF: 6482465.2/22

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.389+/-26.274 χ^2/NDF:3.1/4

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

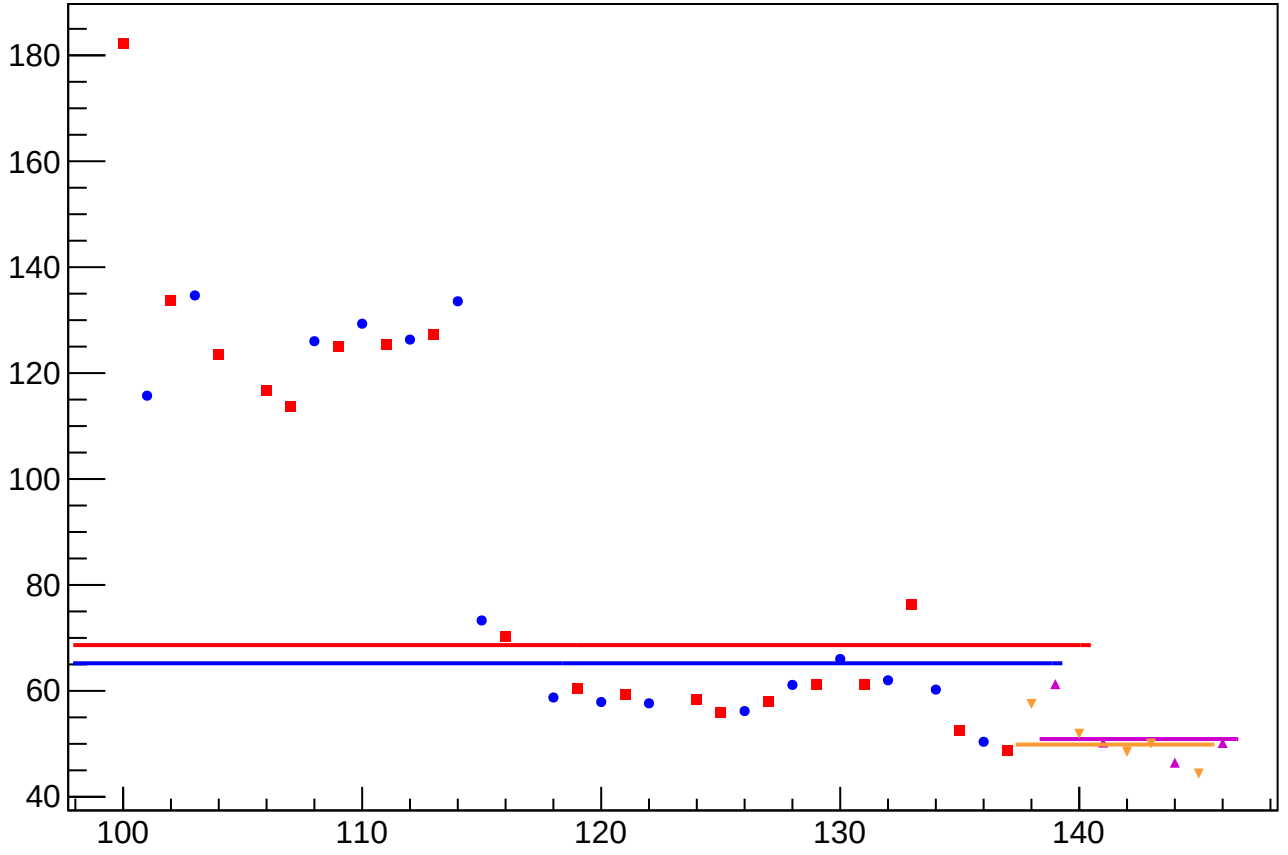
Left In: -27.084+/-27.416 χ^2/NDF:2.1/3

+ sign 57.538+/-18.402 χ^2/NDF: 18.7/20

All: 8.885+/-13.285 χ^2/NDF: 56.4/43

- sign -44.077+/-19.199 χ^2/NDF: 23.2/22

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.871+/-0.019 χ^2/NDF:54486.0/4

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

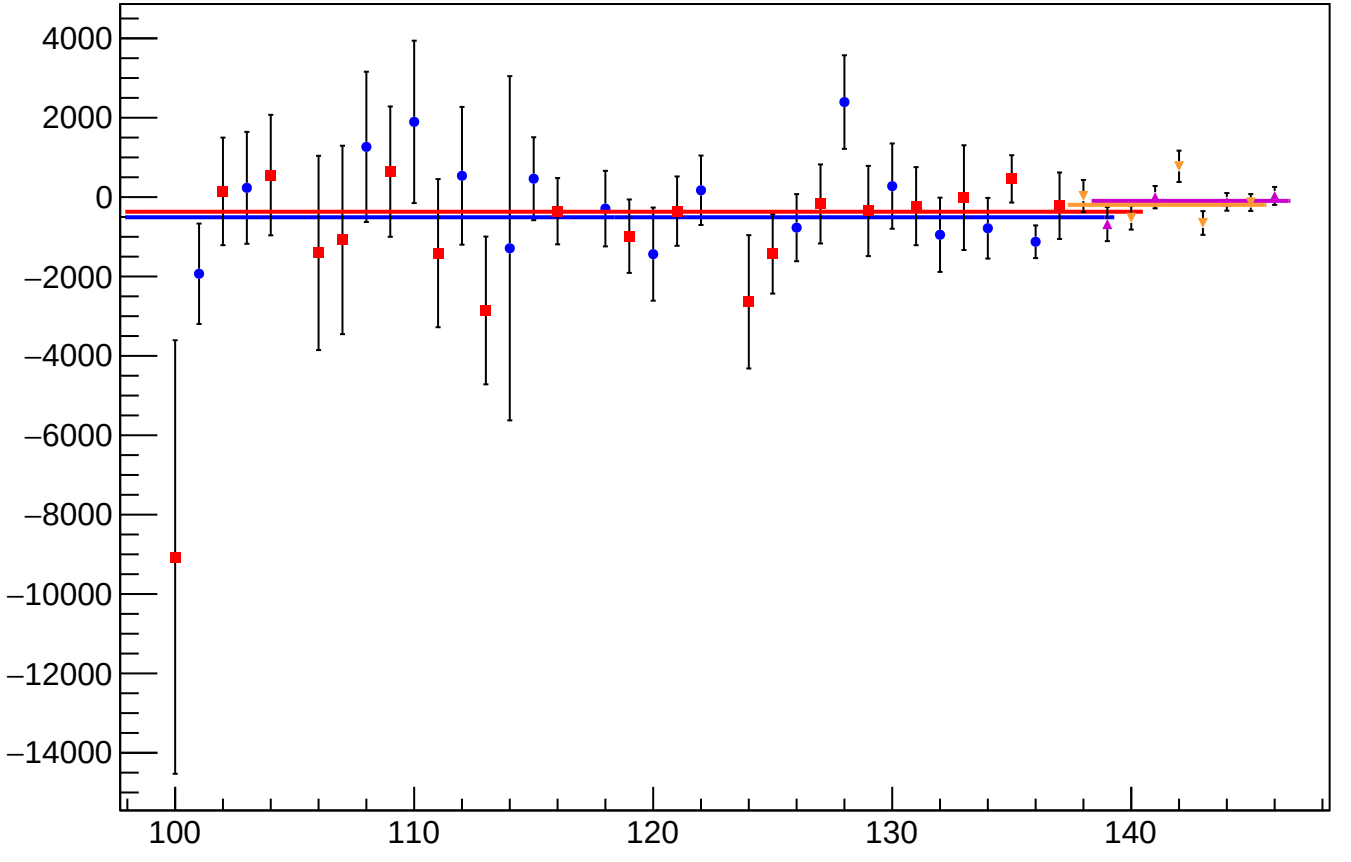
Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

+ sign 57.687+/-0.013 χ^2/NDF: 1848412.8/20

All: 58.770+/-0.009 χ^2/NDF: 3991958.4/43

- sign 59.948+/-0.014 χ^2/NDF: 2129084.5/22

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -194.541+/-132.229 χ^2/NDF:10.0/4

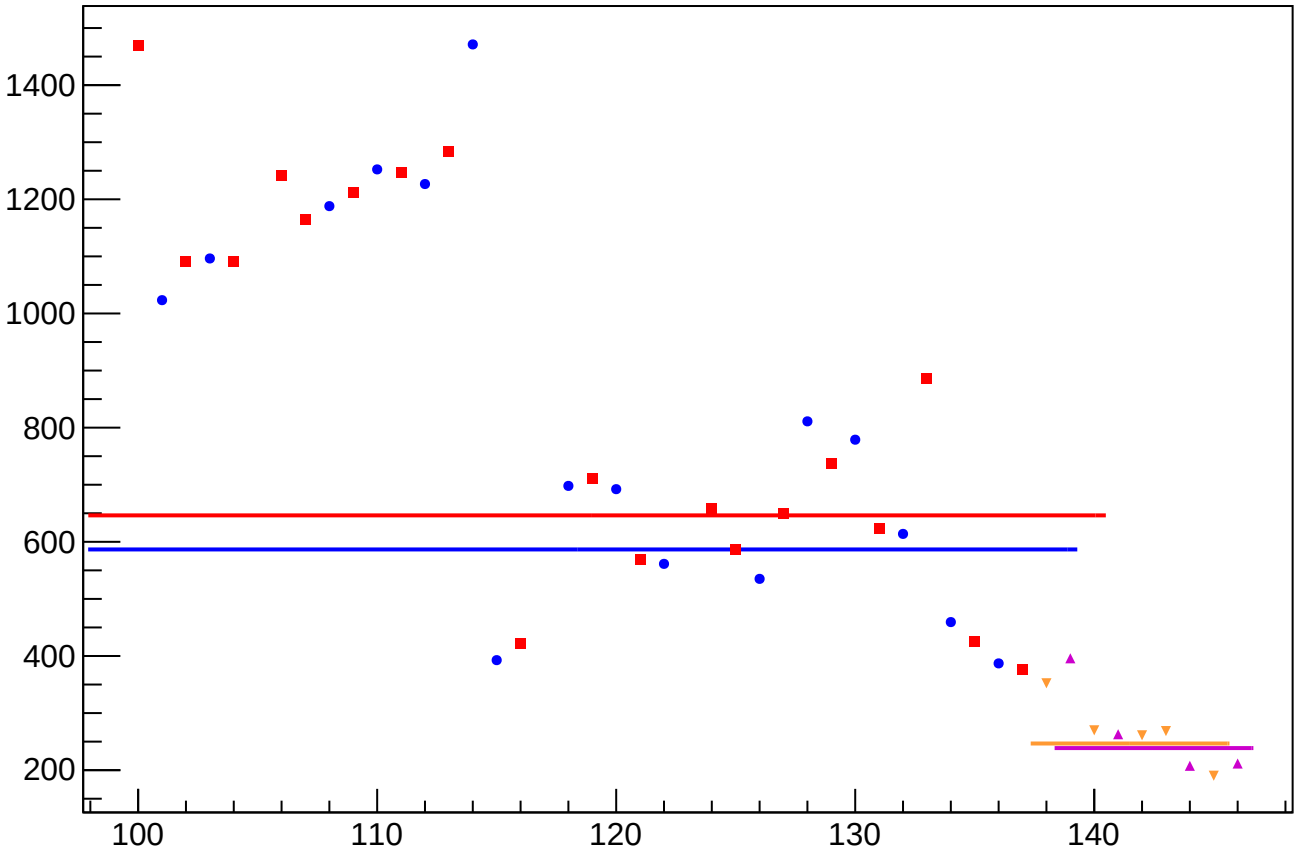
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -95.495+/-131.629 χ^2/NDF:2.3/3

+ sign -268.958+/-115.466 χ^2/NDF: 27.0/20

All: -211.483+/-82.223 χ^2/NDF: 41.9/43

- sign -152.357+/-117.112 χ^2/NDF: 14.4/22



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 246.707+/-0.094 χ^2/NDF:301792.3/4

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

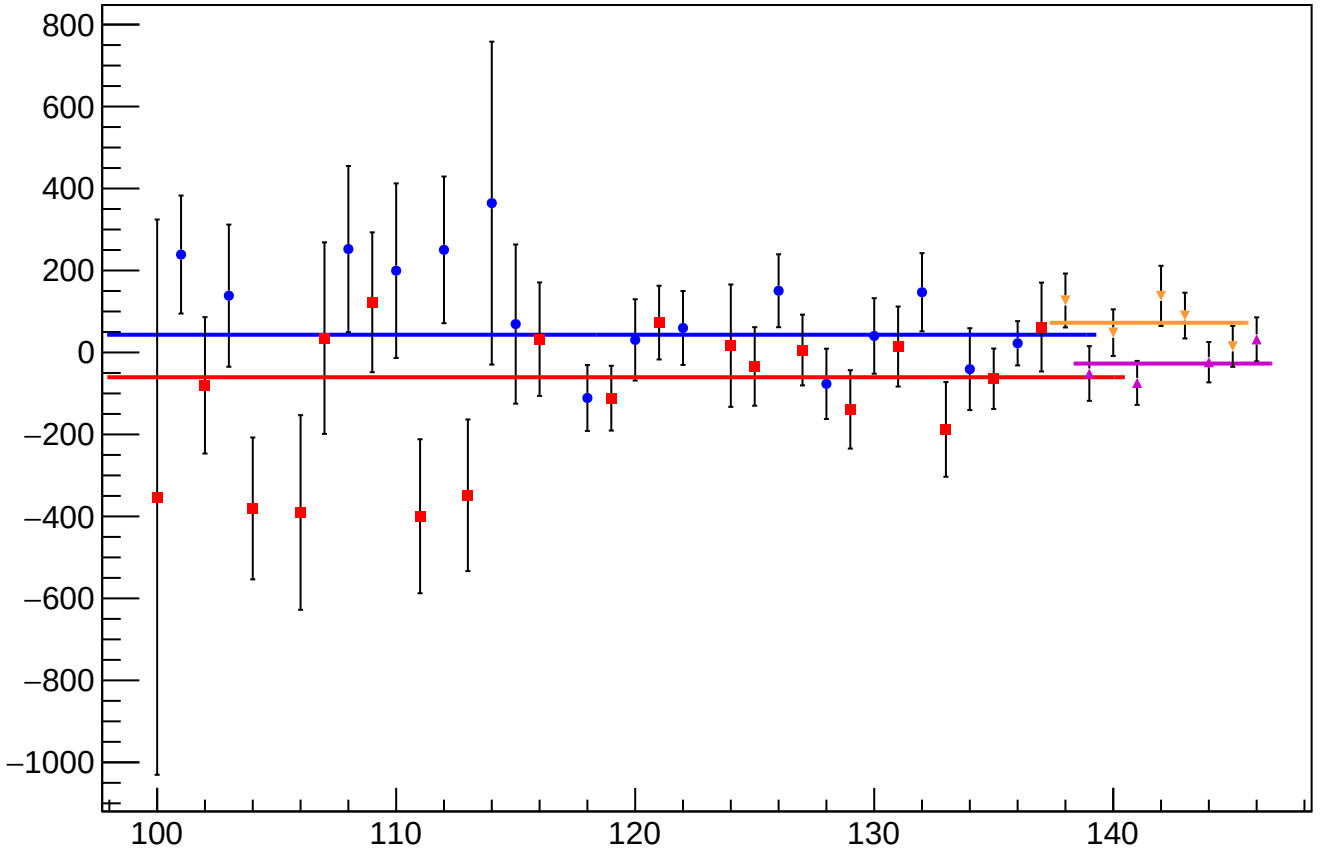
Left In: 238.697+/-0.093 χ^2/NDF:348608.5/3

+ sign 327.433+/-0.082 χ^2/NDF: 5493939.5/20

All: 325.568+/-0.058 χ^2/NDF: 11904186.2/43

- sign 323.650+/-0.083 χ^2/NDF: 6409188.2/22

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.389+/-26.274 χ^2/NDF:3.1/4

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

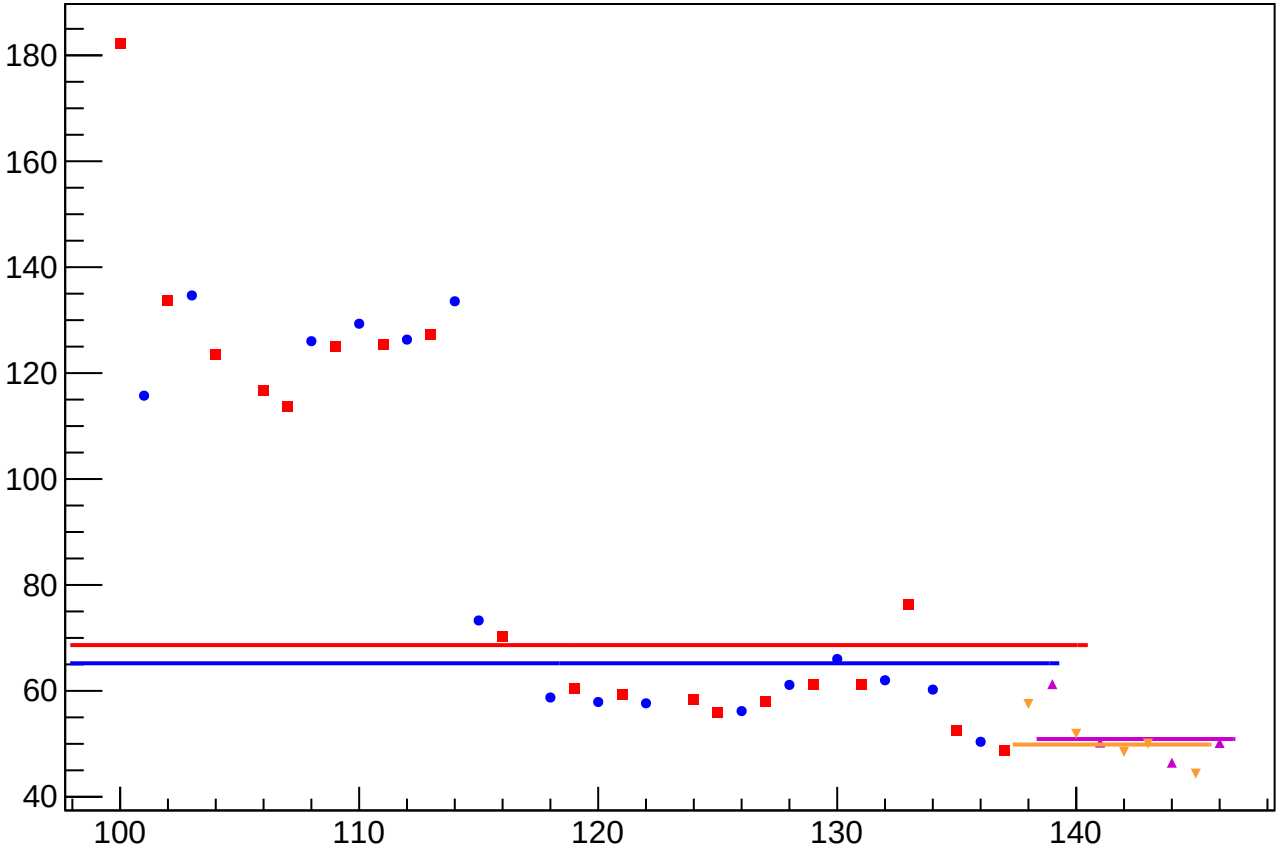
Left In: -27.084+/-27.416 χ^2/NDF:2.1/3

+ sign 57.538+/-18.402 χ^2/NDF: 18.7/20

All: 8.885+/-13.285 χ^2/NDF: 56.4/43

- sign -44.077+/-19.199 χ^2/NDF: 23.2/22

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.871+/-0.019 χ^2/NDF:54486.0/4

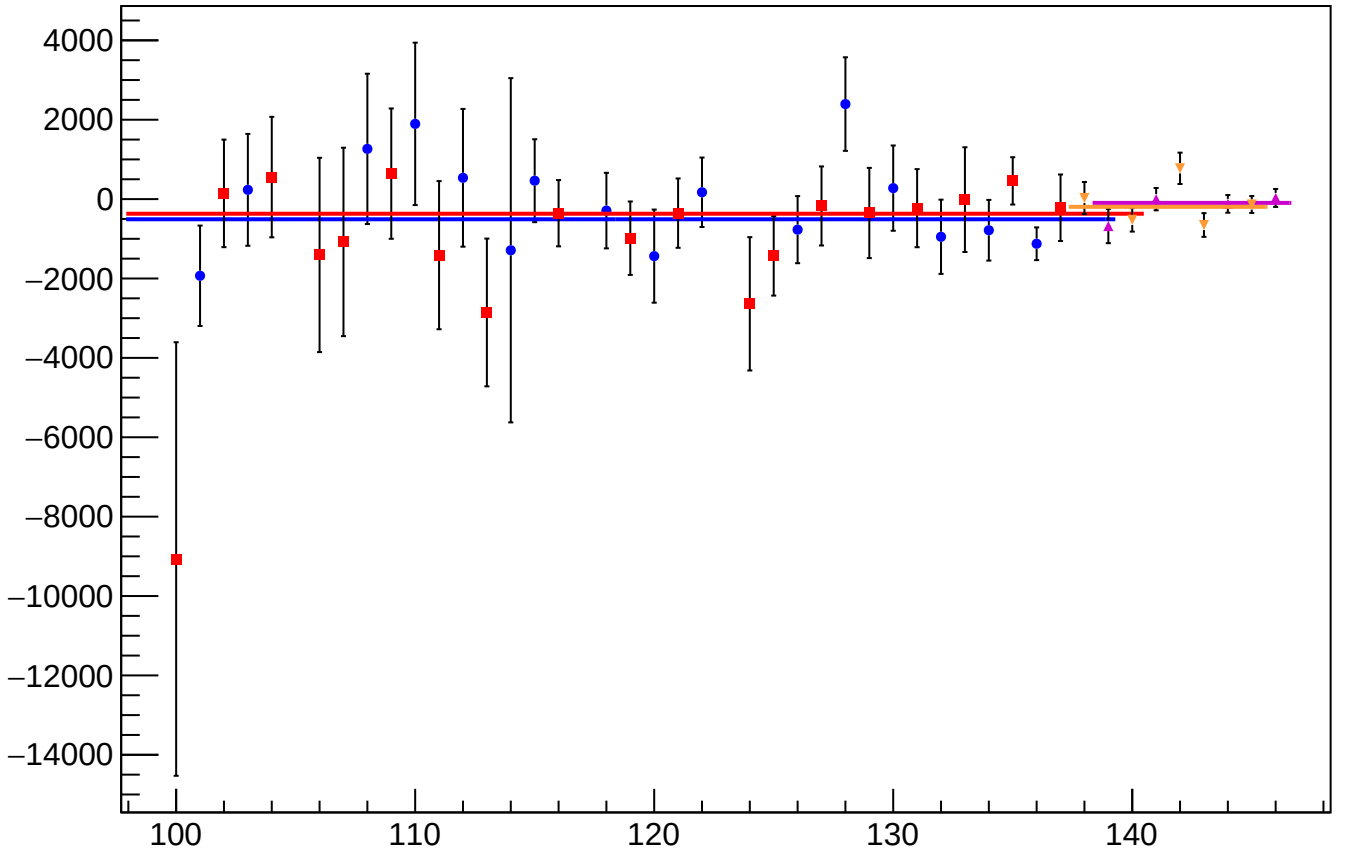
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

+ sign 57.687+/-0.013 χ^2/NDF: 1848412.8/20

All: 58.770+/-0.009 χ^2/NDF: 3991958.4/43

- sign 59.948+/-0.014 χ^2/NDF: 2129084.5/22



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -194.541+/-132.229 χ^2/NDF:10.0/4

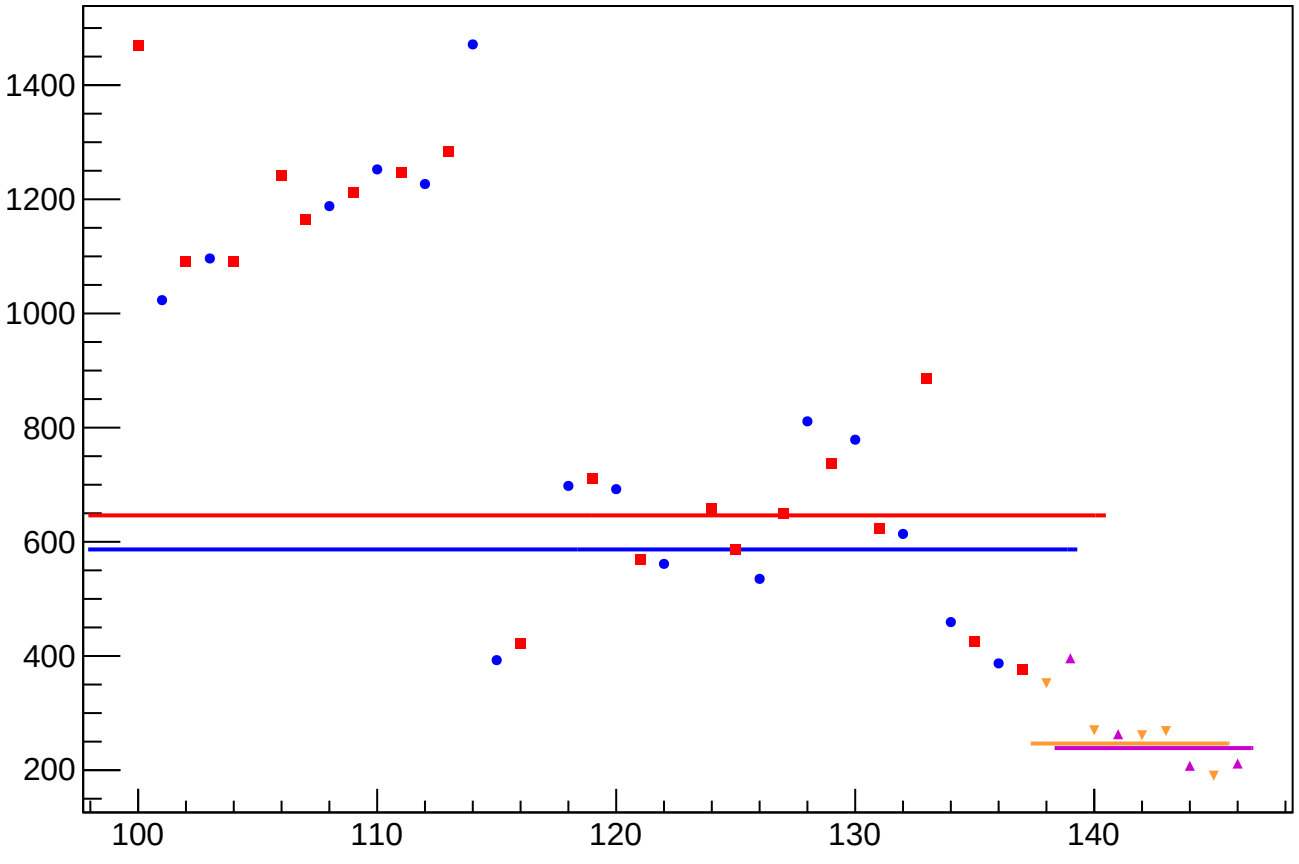
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -95.495+/-131.629 χ^2/NDF:2.3/3

+ sign -268.958+/-115.466 χ^2/NDF: 27.0/20

All: -211.483+/-82.223 χ^2/NDF: 41.9/43

- sign -152.357+/-117.112 χ^2/NDF: 14.4/22



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 246.707+/-0.094 χ^2/NDF:301792.3/4

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

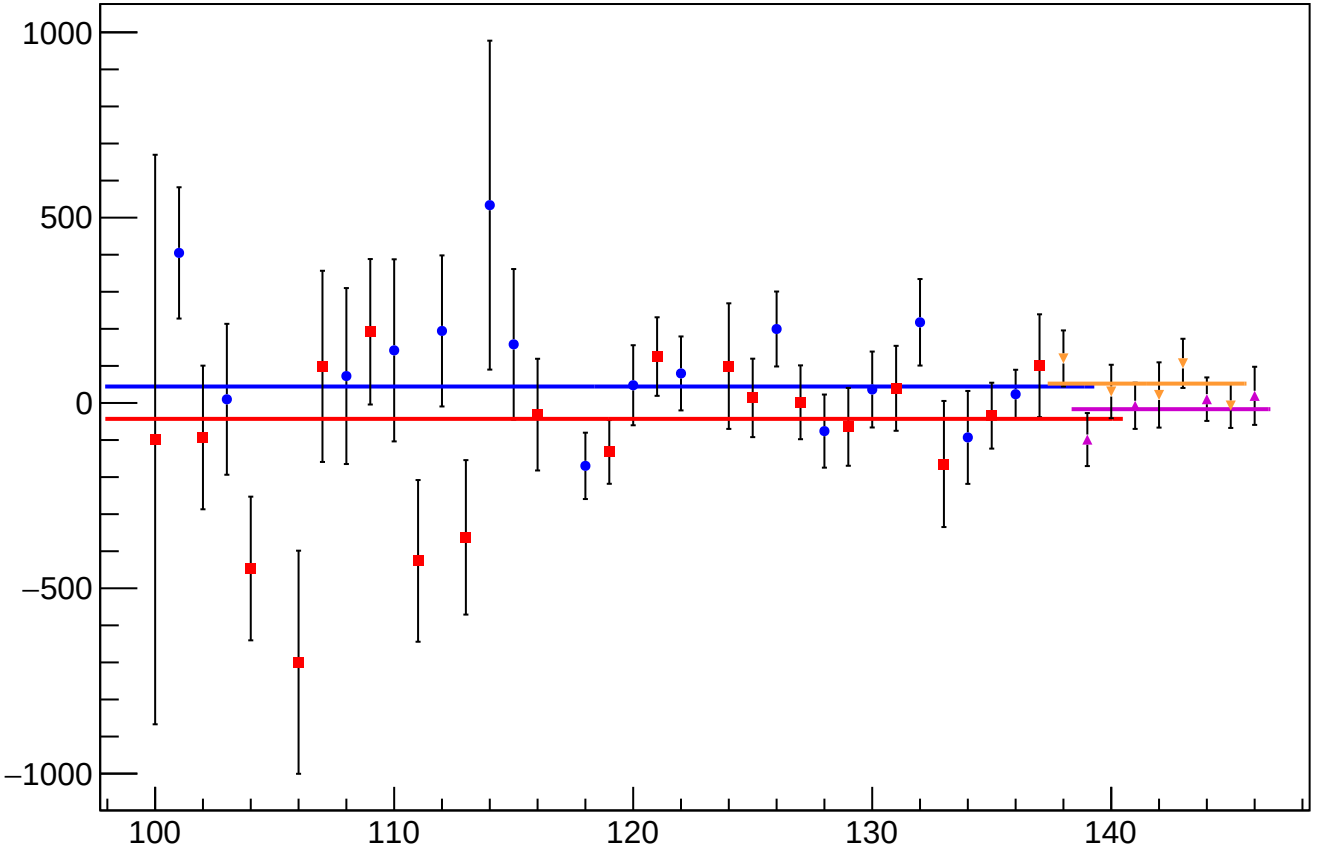
Left In: 238.697+/-0.093 χ^2/NDF:348608.5/3

+ sign 327.433+/-0.082 χ^2/NDF: 5493939.5/20

All: 325.568+/-0.058 χ^2/NDF: 11904186.2/43

- sign 323.650+/-0.083 χ^2/NDF: 6409188.2/22

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 52.217+/-31.658 χ^2/NDF:2.7/4

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

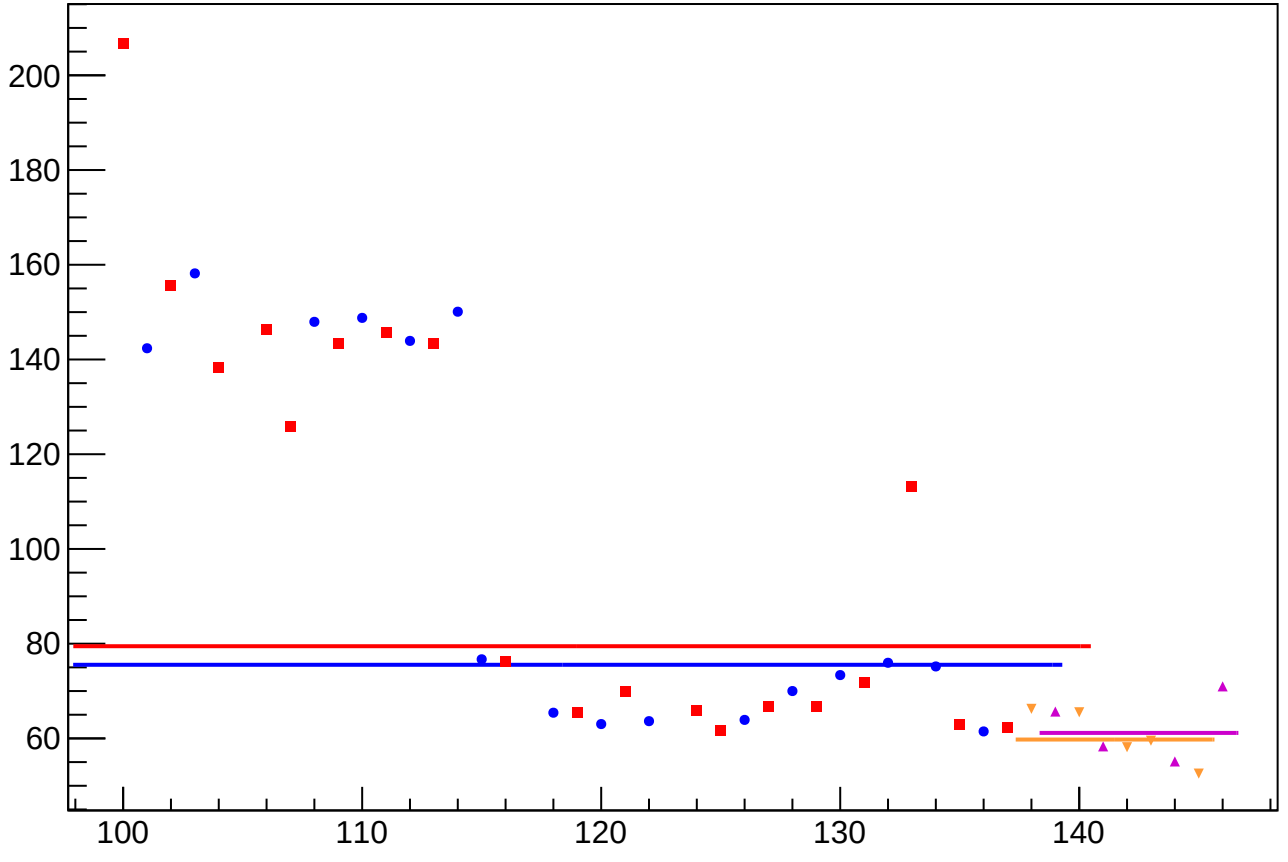
Left In: -16.731+/-33.221 χ^2/NDF:1.8/3

+ sign 48.080+/-21.741 χ^2/NDF: 22.3/20

All: 10.535+/-15.721 χ^2/NDF: 53.9/43

- sign -30.616+/-22.761 χ^2/NDF: 25.4/22

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.763+/-0.022 χ^2/NDF:56493.1/4

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

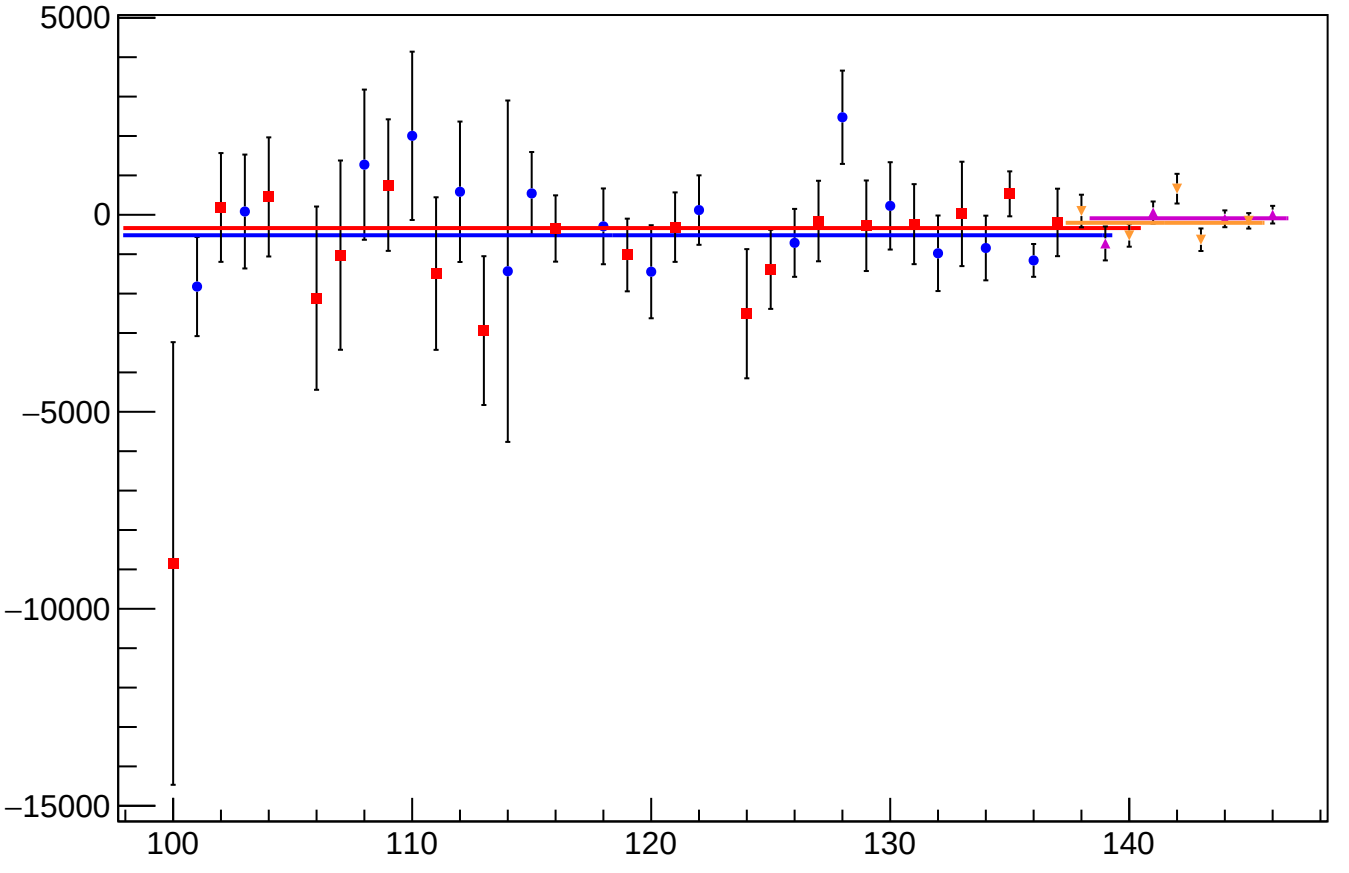
Left In: 61.161+/-0.023 χ^2/NDF:64580.7/3

+ sign 68.102+/-0.015 χ^2/NDF: 1784647.3/20

All: 69.424+/-0.011 χ^2/NDF: 3870504.0/43

- sign 70.873+/-0.016 χ^2/NDF: 2070355.6/22

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -203.221+/-125.747 χ^2/NDF:9.4/4

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

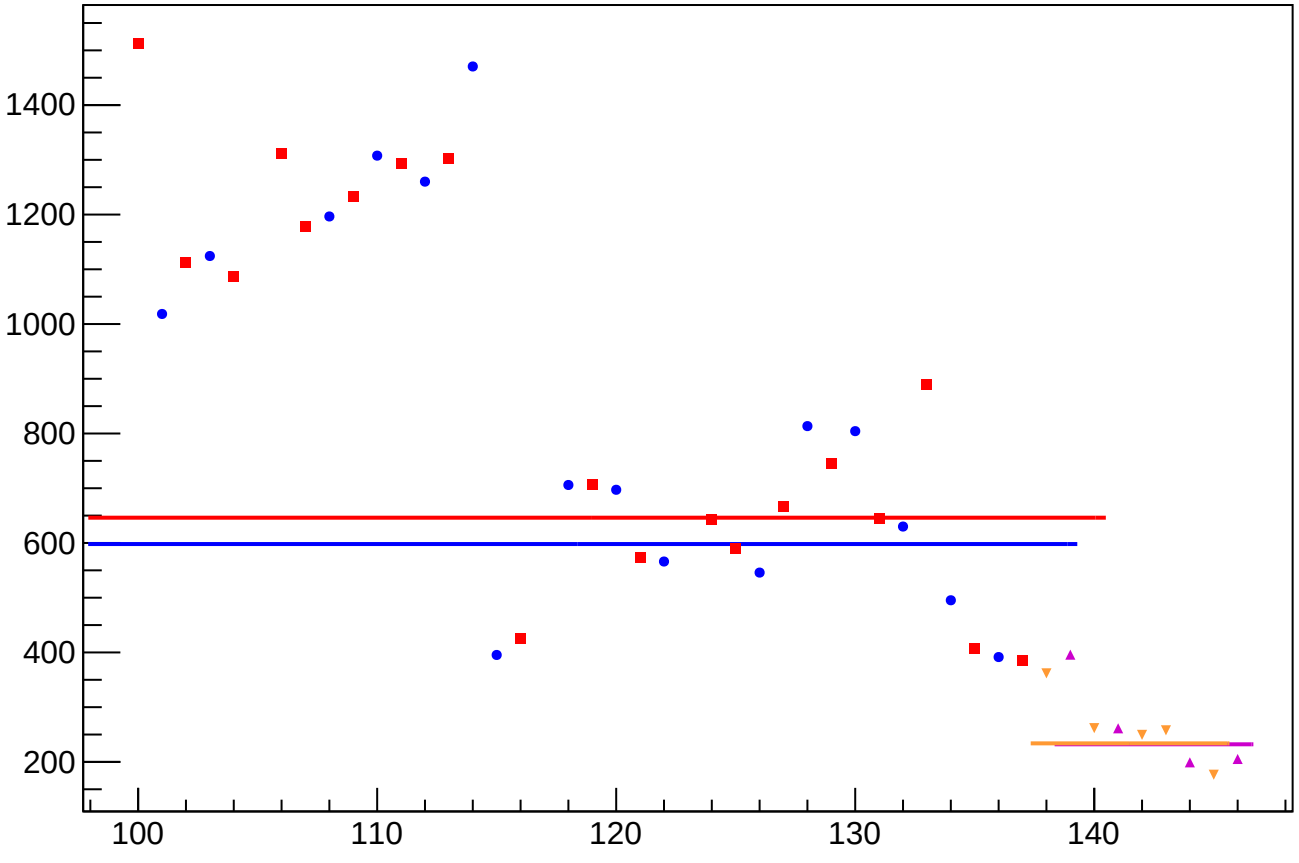
Left In: -88.508+/-128.965 χ^2/NDF:2.6/3

+ sign -270.708+/-111.515 χ^2/NDF: 26.5/20

All: -206.799+/-80.135 χ^2/NDF: 42.5/43

- sign -138.559+/-115.232 χ^2/NDF: 15.3/22

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 233.868+/-0.089 χ^2/NDF:397575.4/4

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

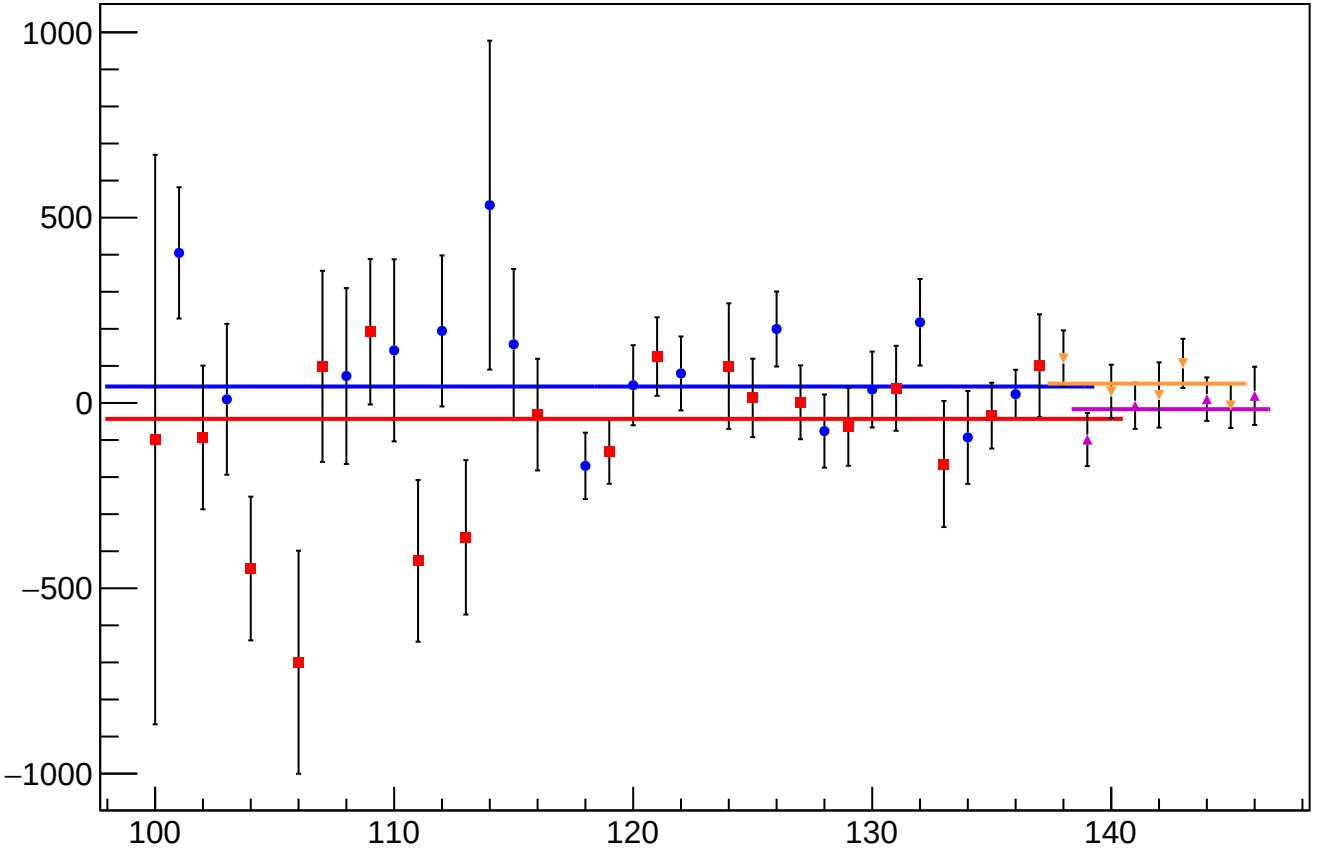
Left In: 232.162+/-0.091 χ^2/NDF:387041.4/3

+ sign 311.637+/-0.079 χ^2/NDF: 6027605.9/20

All: 313.576+/-0.057 χ^2/NDF: 12777719.7/43

- sign 315.646+/-0.081 χ^2/NDF: 6748864.1/22

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 52.216+/-31.658 χ^2/NDF:2.7/4

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

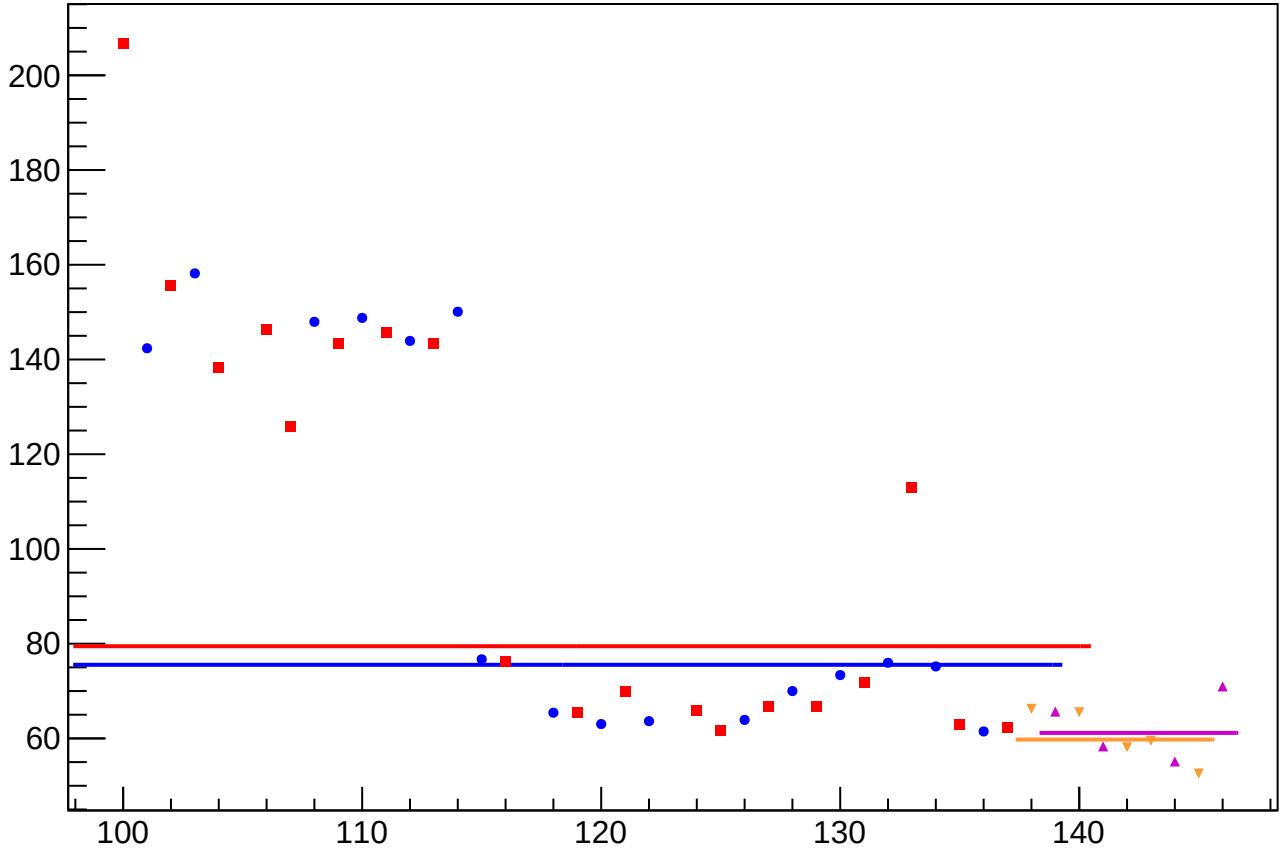
Left In: -16.731+/-33.221 χ^2/NDF:1.8/3

+ sign 48.080+/-21.741 χ^2/NDF: 22.3/20

All: 10.536+/-15.721 χ^2/NDF: 53.9/43

- sign -30.616+/-22.761 χ^2/NDF: 25.4/22

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.763+/-0.022 χ^2/NDF:56488.0/4

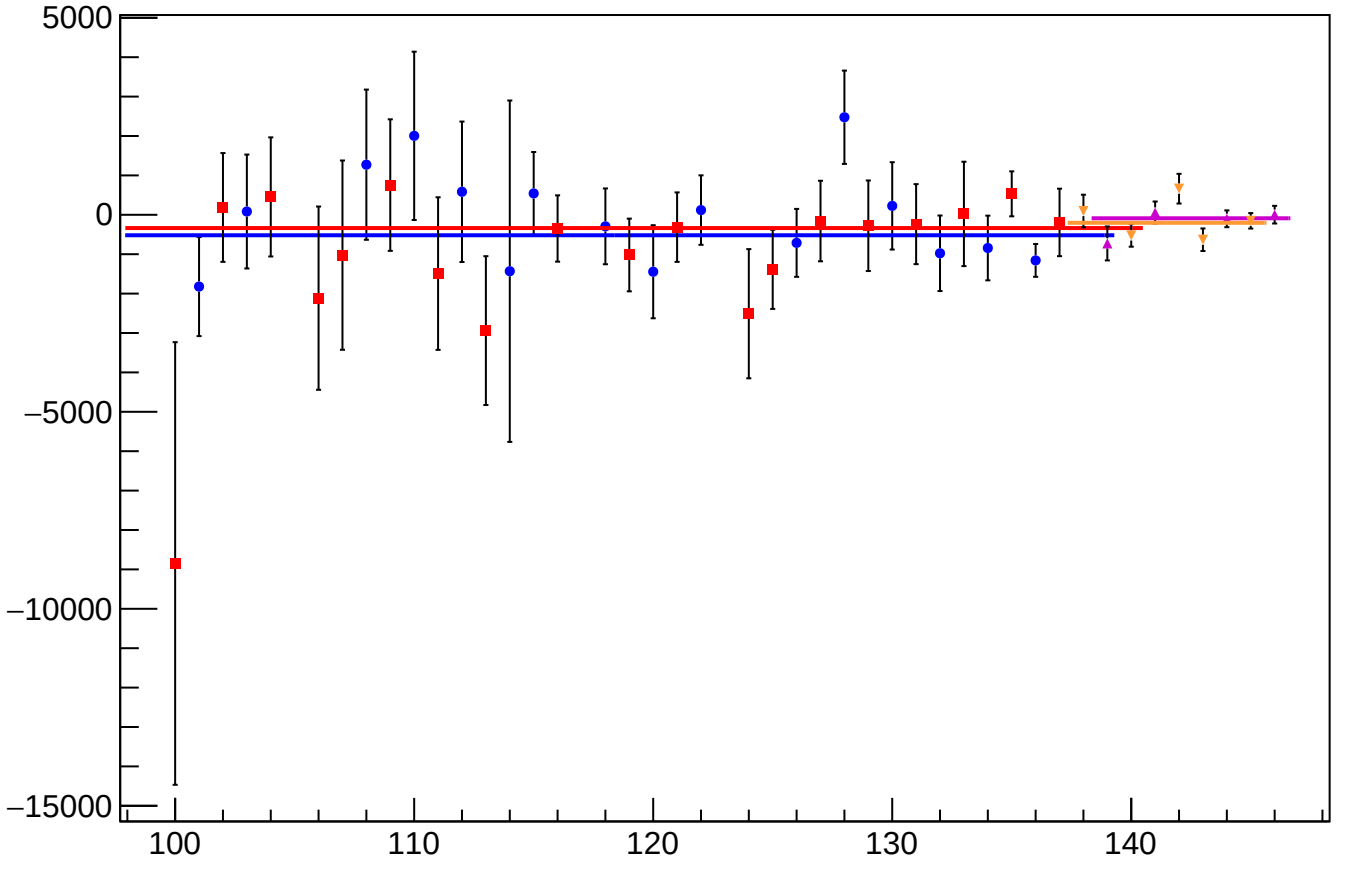
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.162+/-0.023 χ^2/NDF:64579.8/3

+ sign 68.102+/-0.015 χ^2/NDF: 1784610.0/20

All: 69.424+/-0.011 χ^2/NDF: 3870441.3/43

- sign 70.873+/-0.016 χ^2/NDF: 2070330.0/22



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -203.223+/-125.747 χ^2/NDF:9.4/4

Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

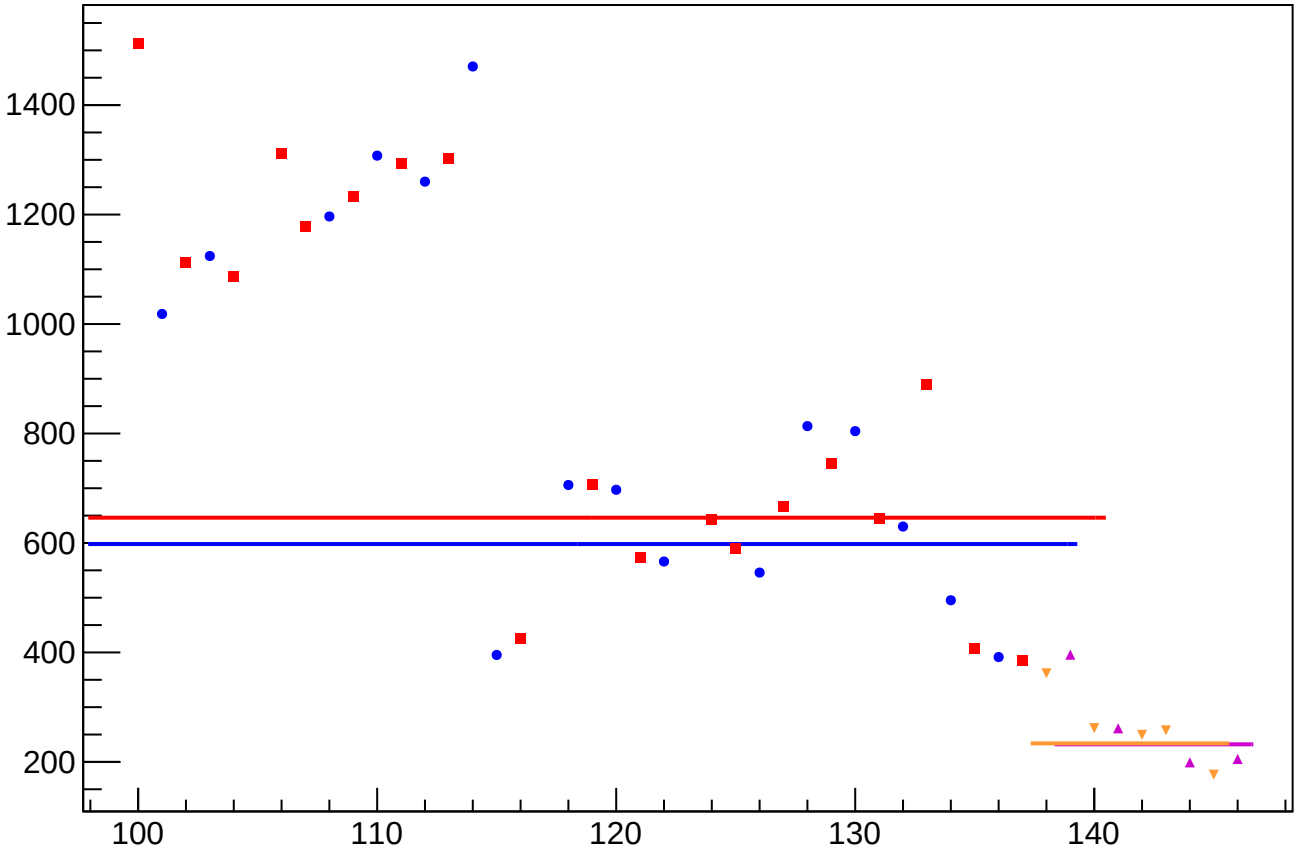
Left In: -88.508+/-128.965 χ^2/NDF:2.6/3

+ sign -270.709+/-111.515 χ^2/NDF: 26.5/20

All: -206.800+/-80.135 χ^2/NDF: 42.5/43

- sign -138.559+/-115.231 χ^2/NDF: 15.3/22

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 233.868+/-0.089 χ^2/NDF:397576.3/4

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

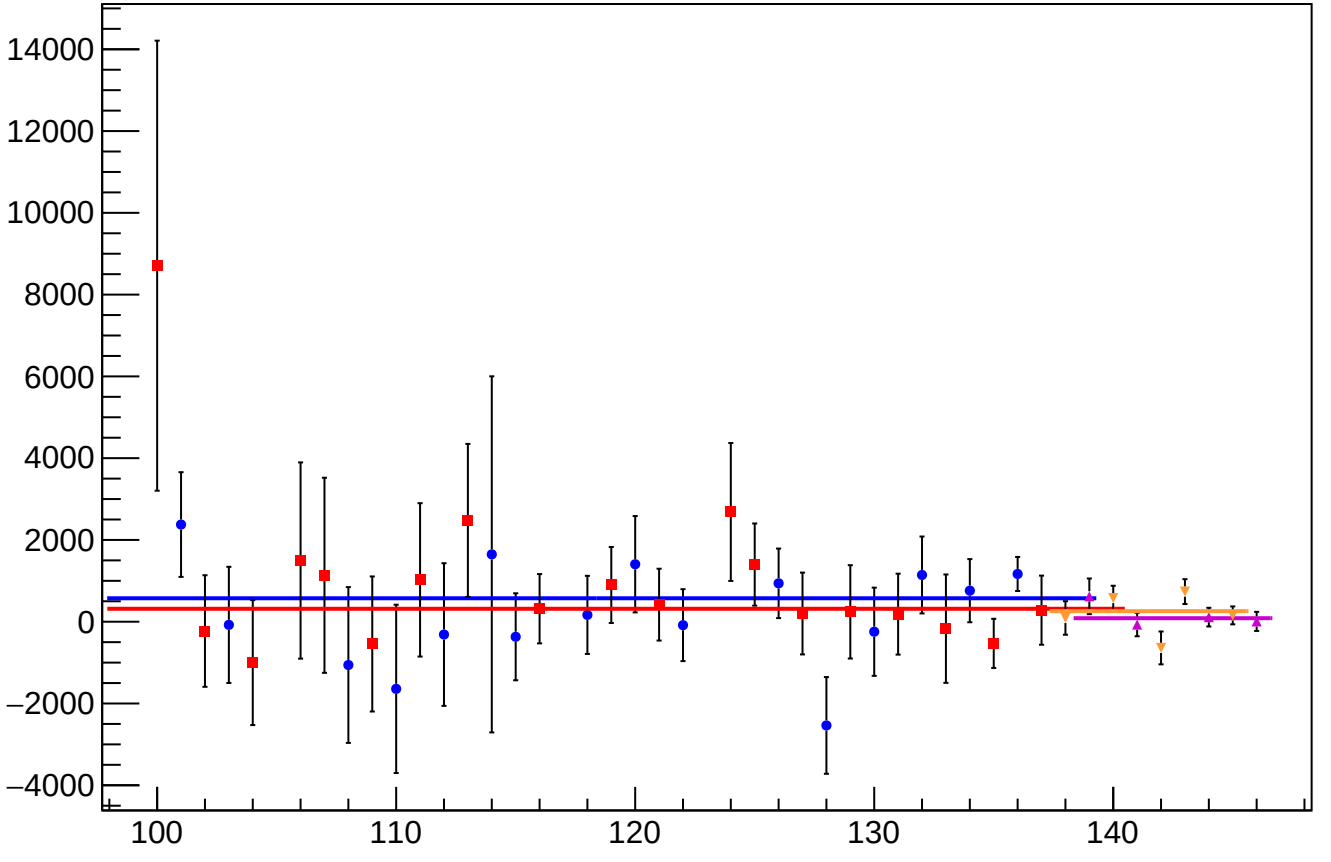
Left In: 232.162+/-0.091 χ^2/NDF:387037.5/3

+ sign 311.636+/-0.079 χ^2/NDF: 6027601.4/20

All: 313.575+/-0.057 χ^2/NDF: 12777701.4/43

- sign 315.645+/-0.081 χ^2/NDF: 6748849.9/22

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 257.964+/-135.060 χ^2/NDF:9.0/4

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

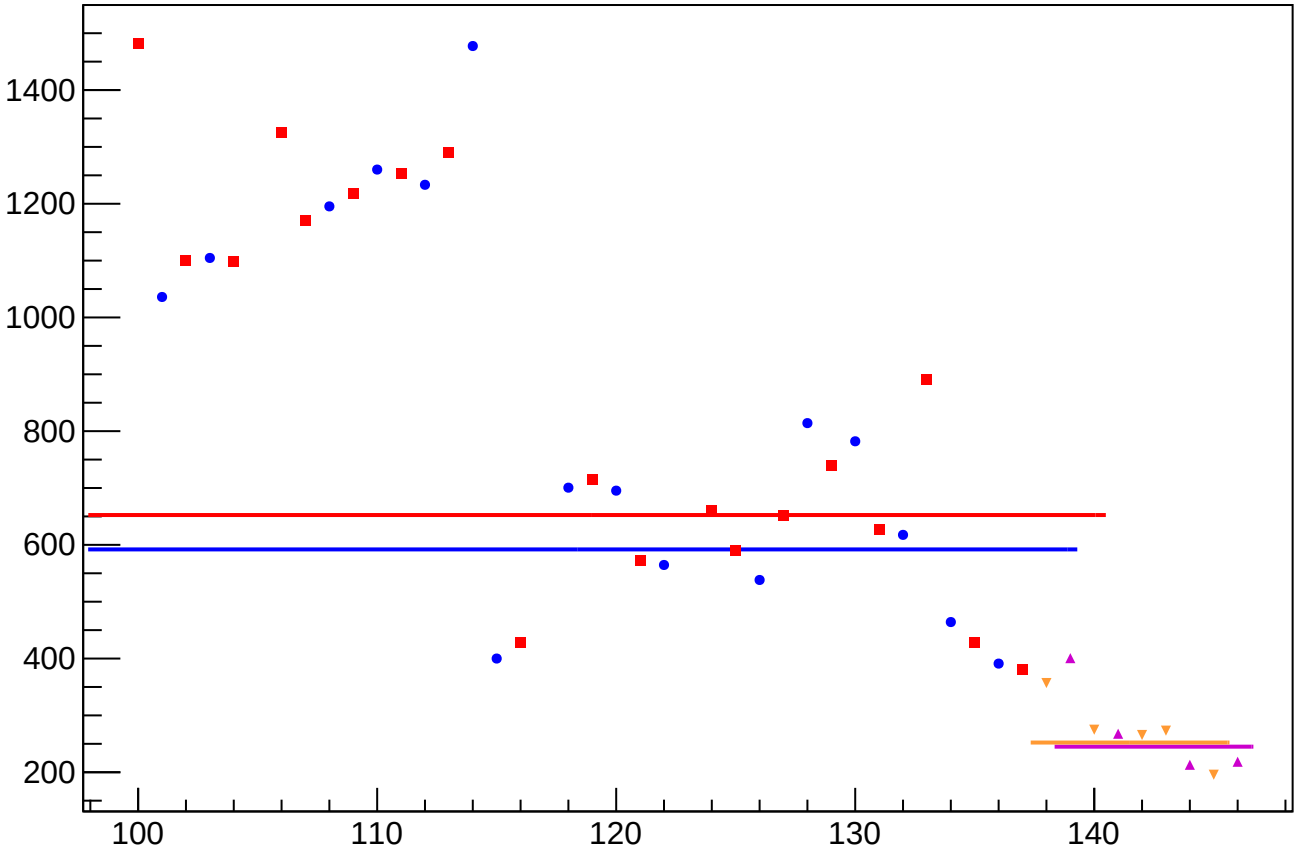
Left In: 85.718+/-134.911 χ^2/NDF:1.9/3

+ sign 334.346+/-117.574 χ^2/NDF: 26.9/20

All: 236.489+/-83.836 χ^2/NDF: 41.9/43

- sign 135.271+/-119.576 χ^2/NDF: 13.6/22

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 252.268+/-0.096 χ^2/NDF:286858.7/4

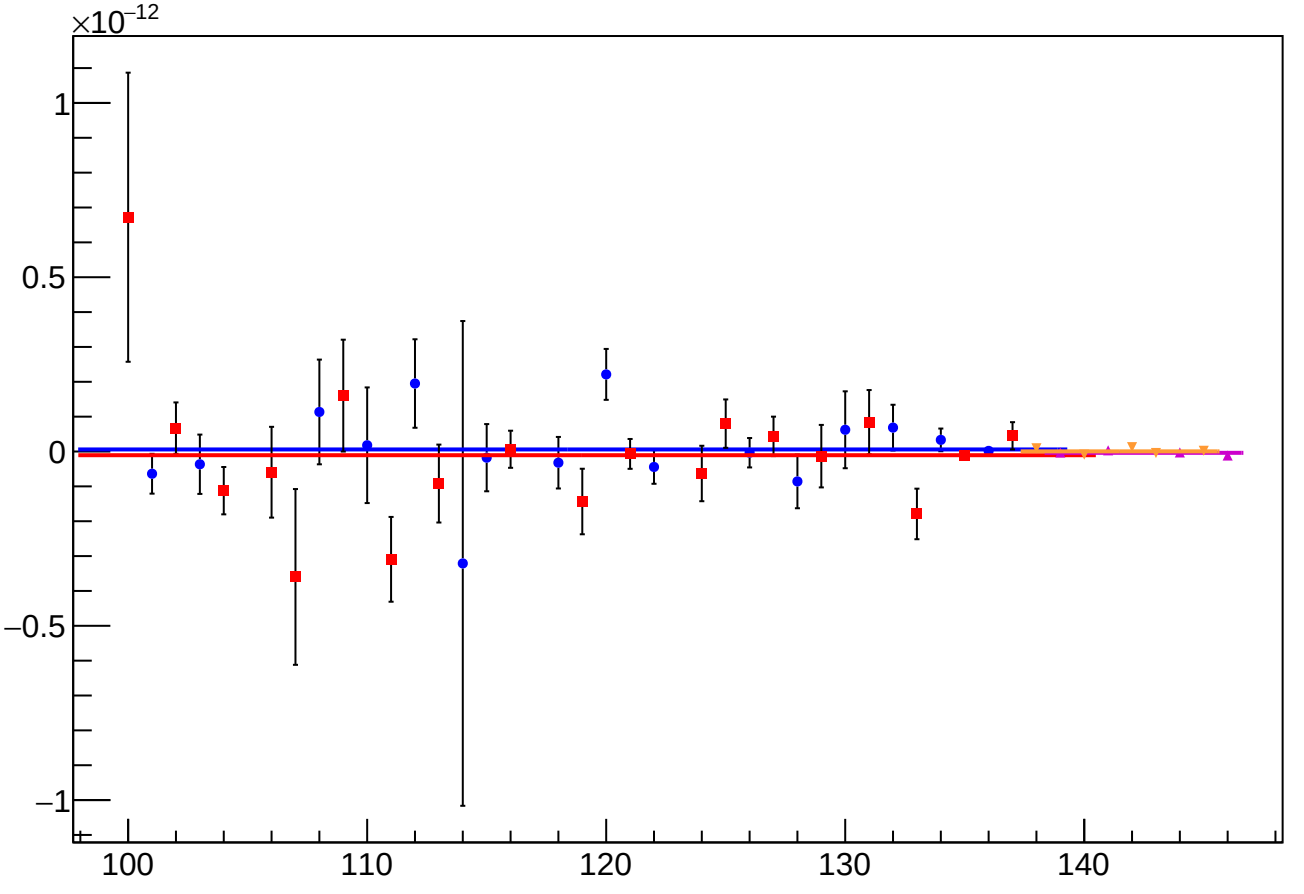
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 245.010+/-0.095 χ^2/NDF:332218.9/3

+ sign 334.533+/-0.083 χ^2/NDF: 5386648.5/20

All: 333.471+/-0.059 χ^2/NDF: 11720550.1/43

- sign 332.372+/-0.085 χ^2/NDF: 6333569.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/4

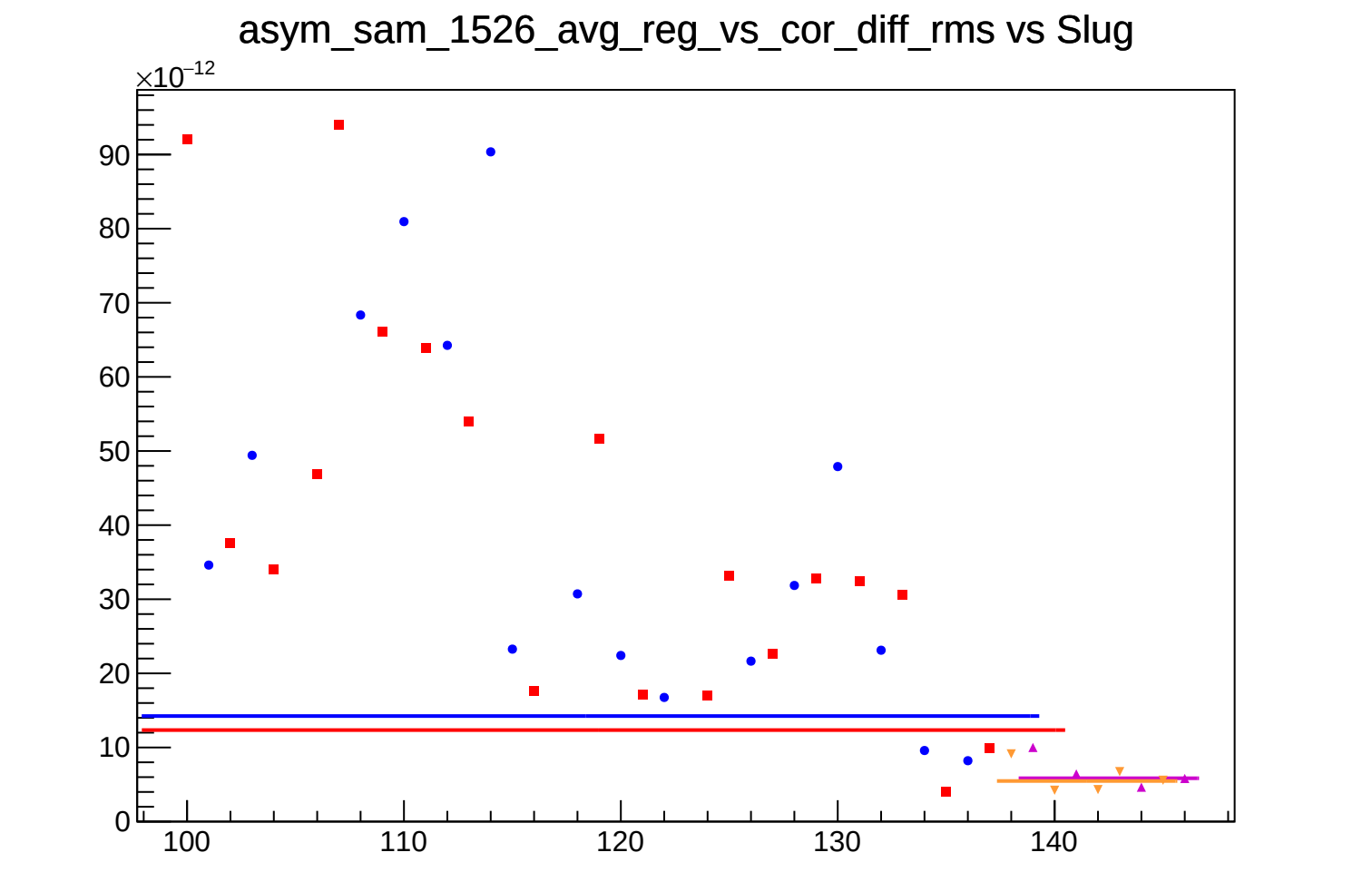
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/20

All: -0.000+/-0.000 χ^2/NDF: 53.6/43

- sign -0.000+/-0.000 χ^2/NDF: 30.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:234551.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

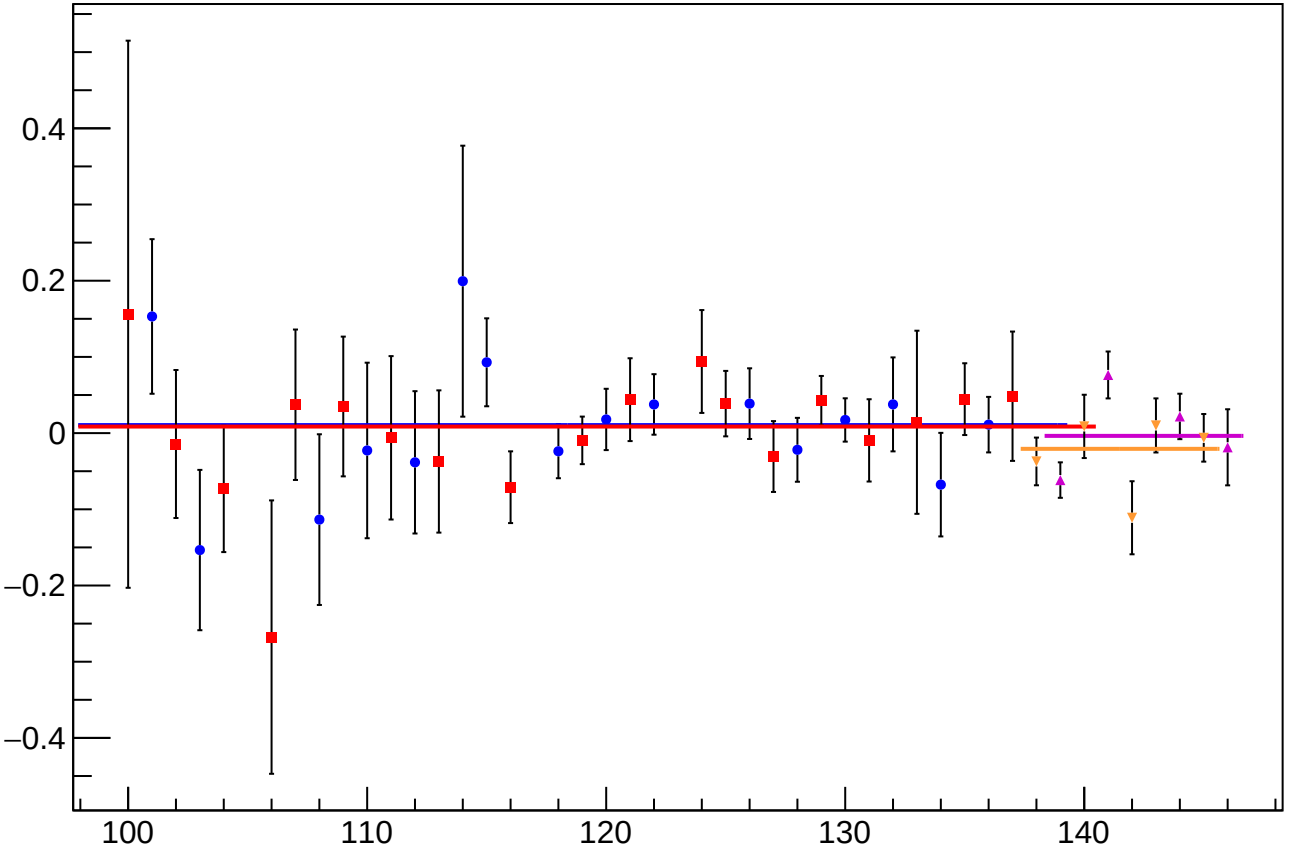
Left In: 0.000+/-0.000 χ^2/NDF:226796.8/3

+ sign 0.000+/-0.000 χ^2/NDF: 3904060.2/20

All: 0.000+/-0.000 χ^2/NDF: 8232138.8/43

- sign 0.000+/-0.000 χ^2/NDF: 4326197.3/22

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

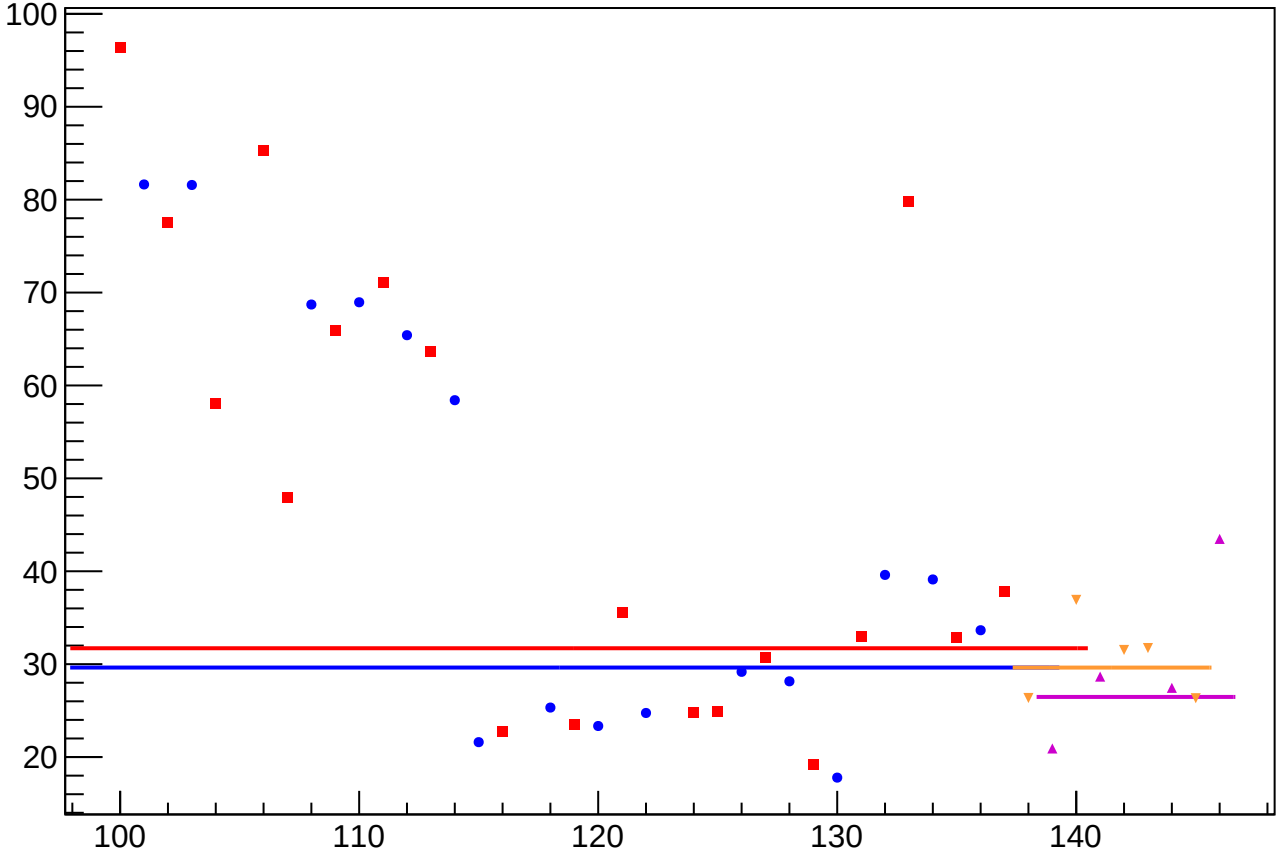
Left In: -0.004+/-0.015 χ^2/NDF:13.8/3

+ sign -0.001+/-0.010 χ^2/NDF: 20.8/20

All: 0.001+/-0.007 χ^2/NDF: 47.5/43

- sign 0.003+/-0.010 χ^2/NDF: 26.6/22

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: 29.631+/-0.011 χ^2/NDF:115878.2/4

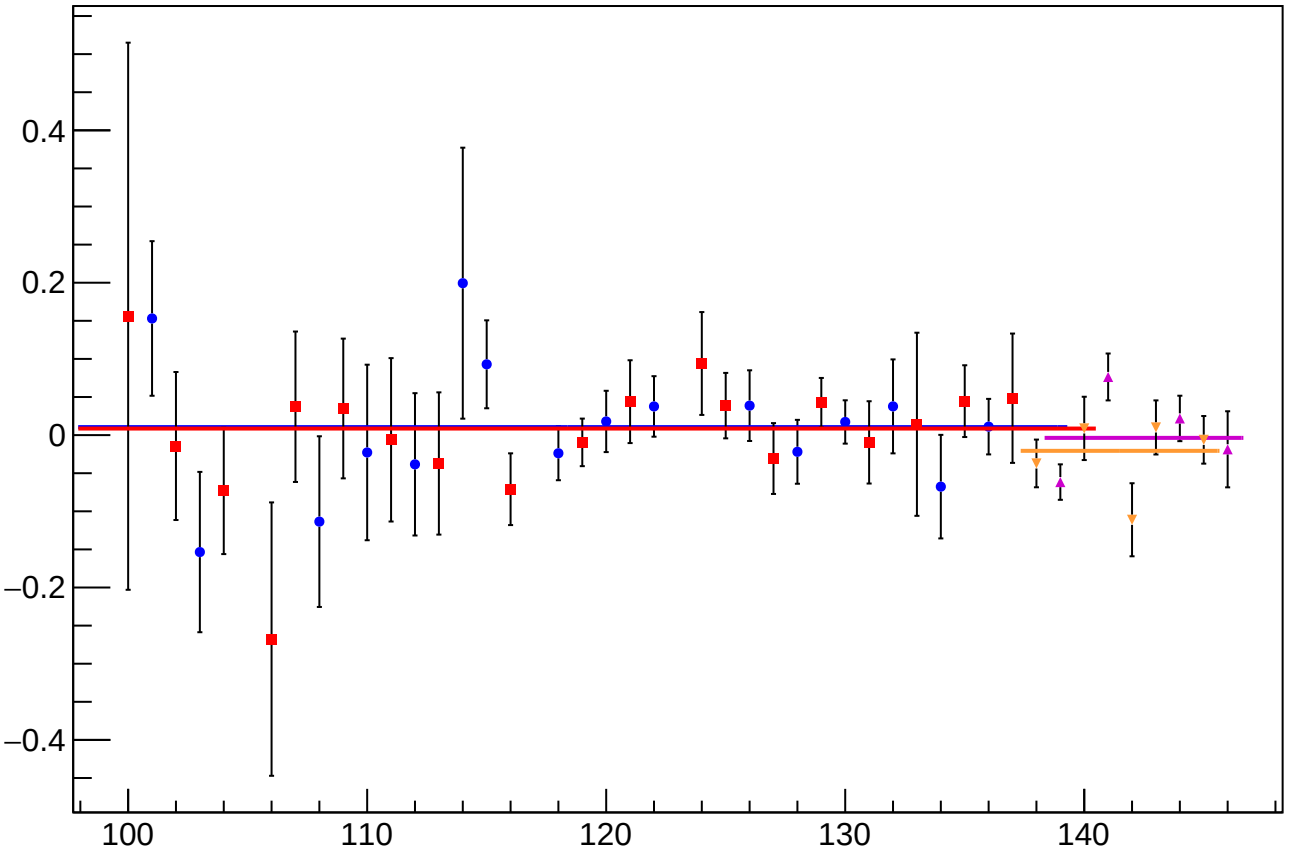
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 26.472+/-0.011 χ^2/NDF:358008.5/3

+ sign 29.633+/-0.007 χ^2/NDF: 2564346.3/20

All: 29.528+/-0.005 χ^2/NDF: 5711151.7/43

- sign 29.422+/-0.007 χ^2/NDF: 3146353.6/22



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

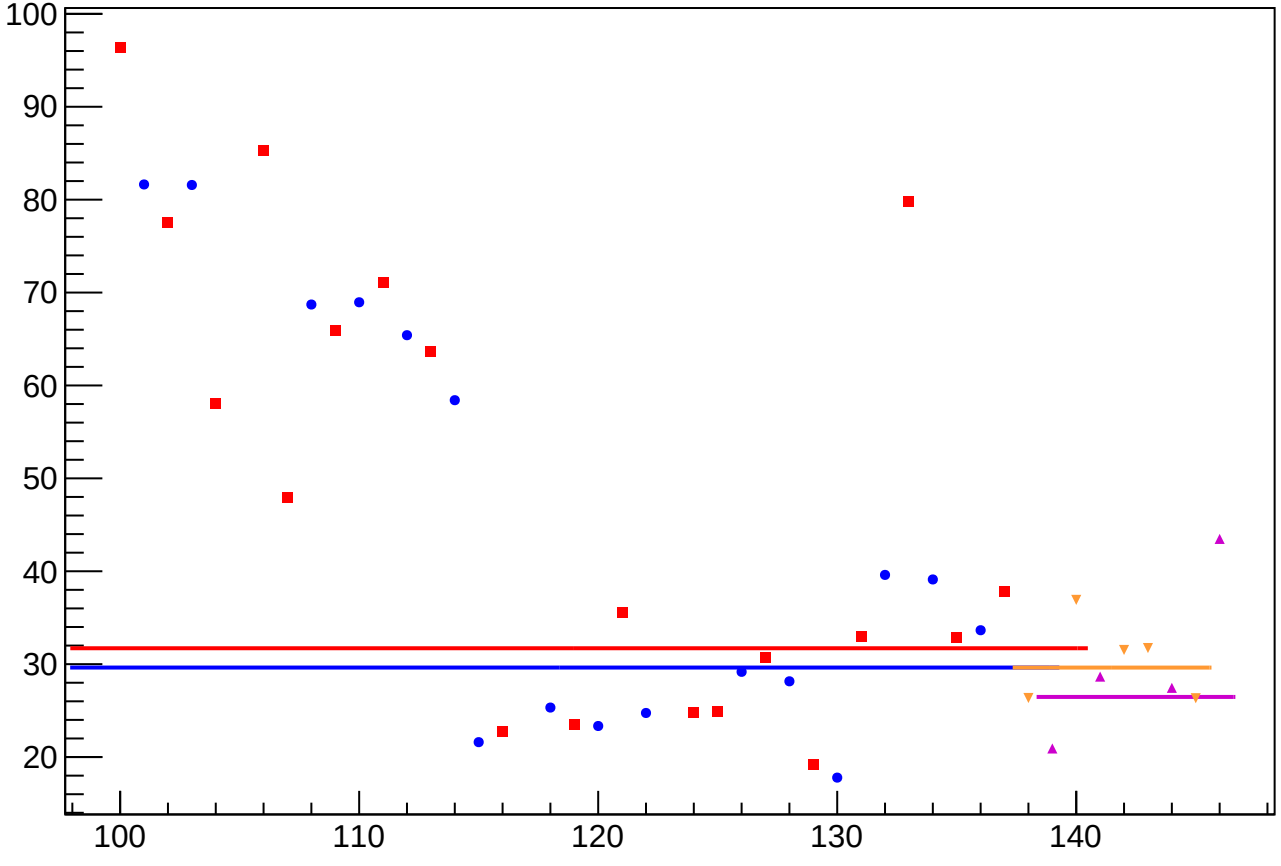
Left In: -0.004+/-0.015 χ^2/NDF:13.8/3

+ sign -0.001+/-0.010 χ^2/NDF: 20.8/20

All: 0.001+/-0.007 χ^2/NDF: 47.5/43

- sign 0.003+/-0.010 χ^2/NDF: 26.6/22

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.631+/-0.011 χ^2/NDF:115878.2/4

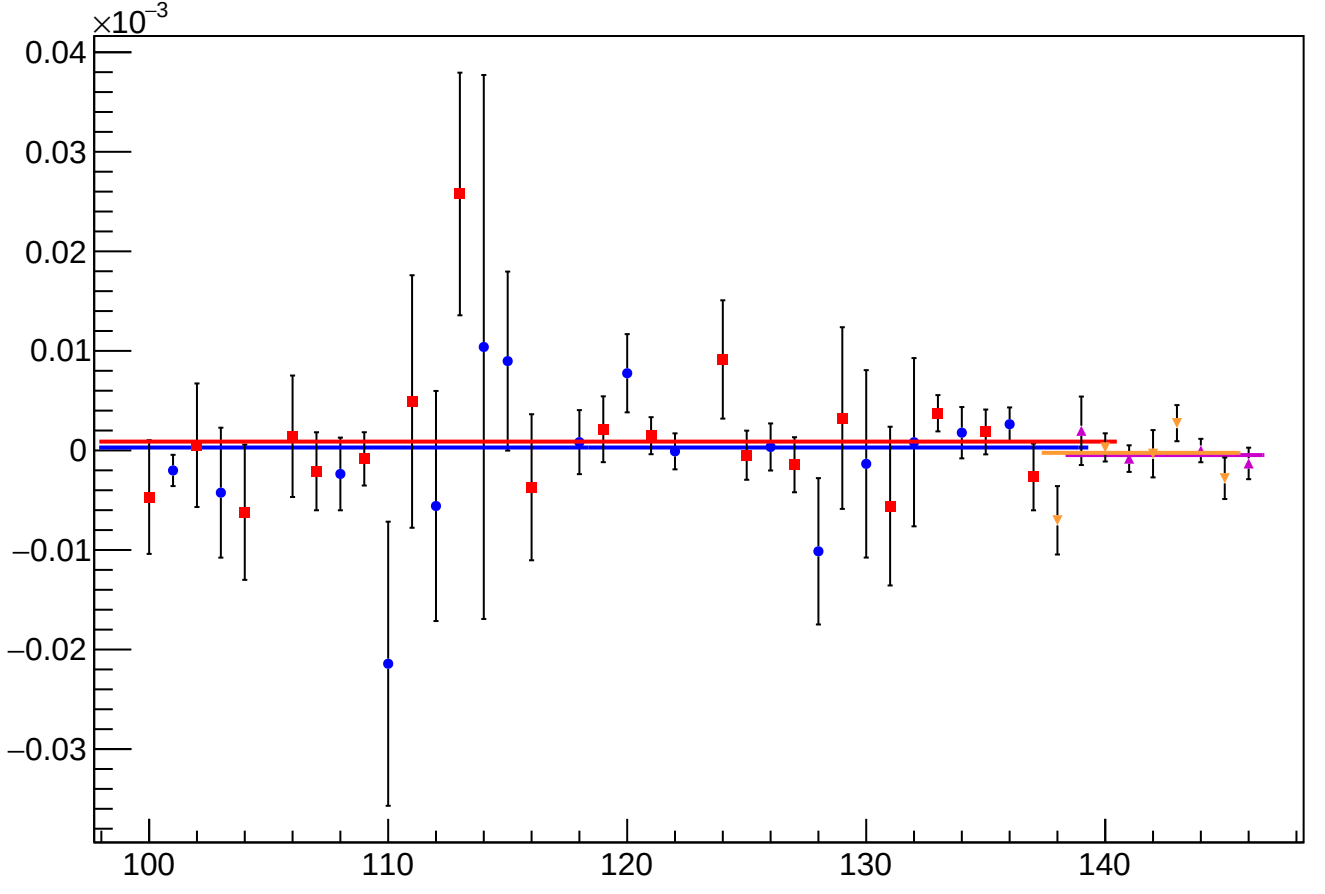
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 26.472+/-0.011 χ^2/NDF:358008.5/3

+ sign 29.633+/-0.007 χ^2/NDF: 2564346.3/20

All: 29.528+/-0.005 χ^2/NDF: 5711151.7/43

- sign 29.422+/-0.007 χ^2/NDF: 3146353.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/4

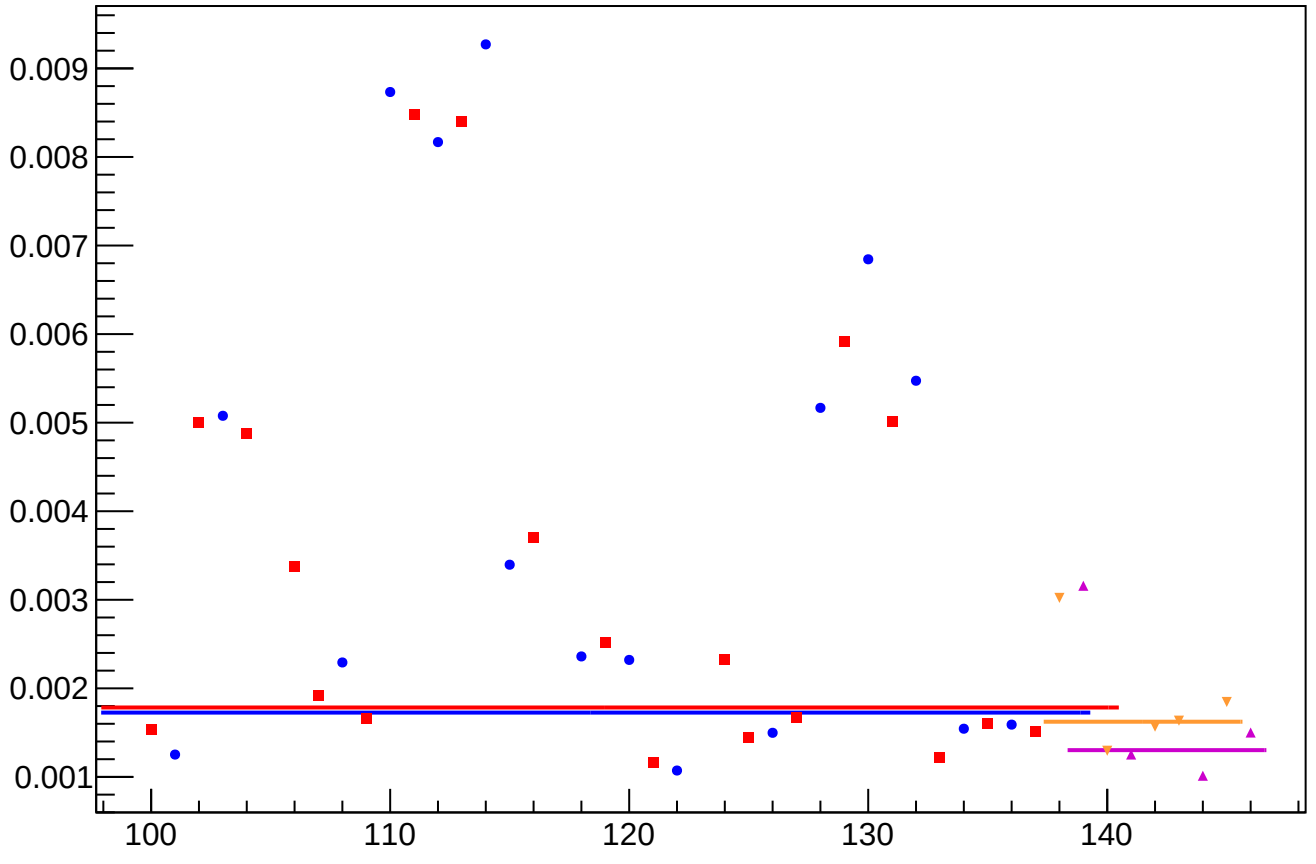
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/20

All: 0.000+/-0.000 χ^2/NDF: 41.2/43

- sign 0.000+/-0.000 χ^2/NDF: 17.9/22



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:462405.9/4

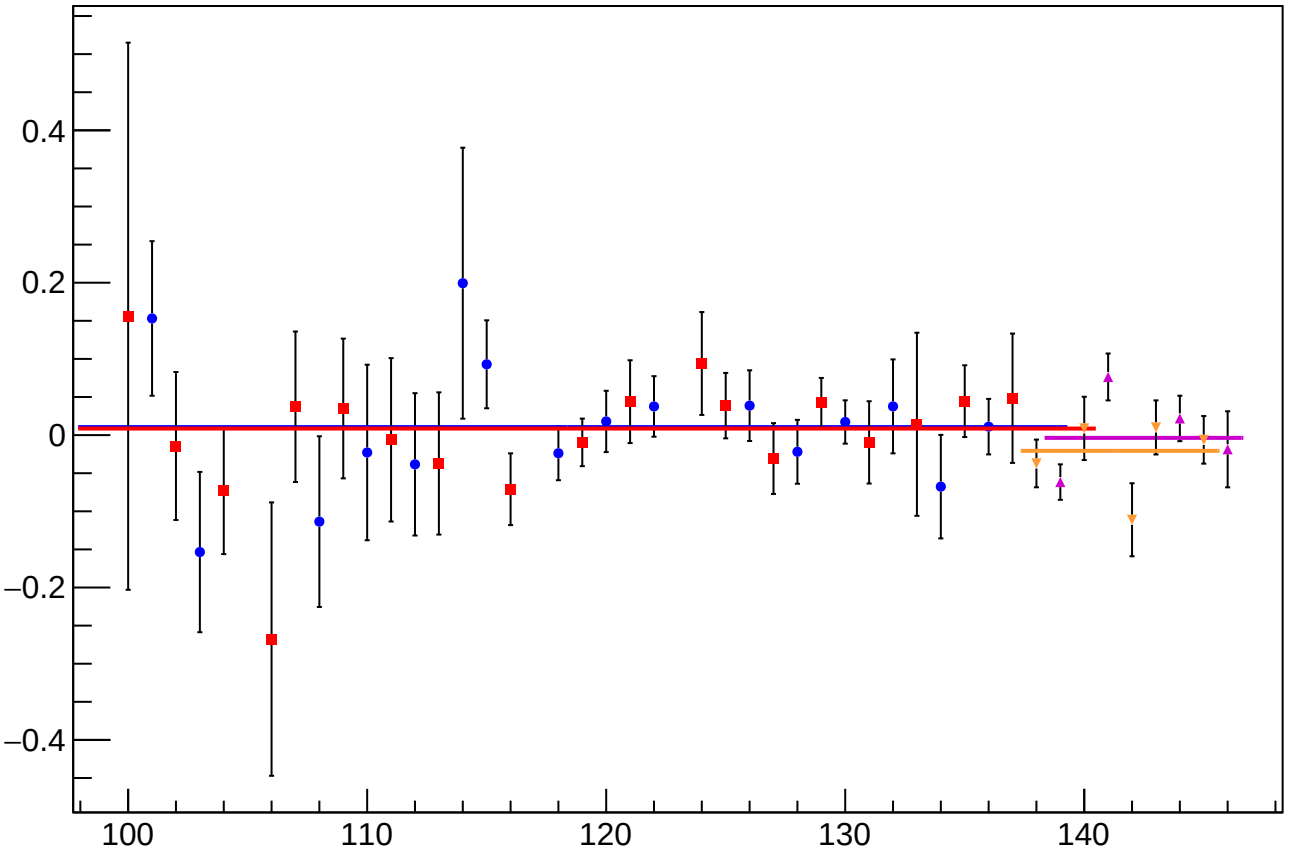
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:737681.8/3

+ sign 0.002+/-0.000 χ^2/NDF: 4410320.1/20

All: 0.002+/-0.000 χ^2/NDF: 9332508.6/43

- sign 0.002+/-0.000 χ^2/NDF: 4853381.4/22



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

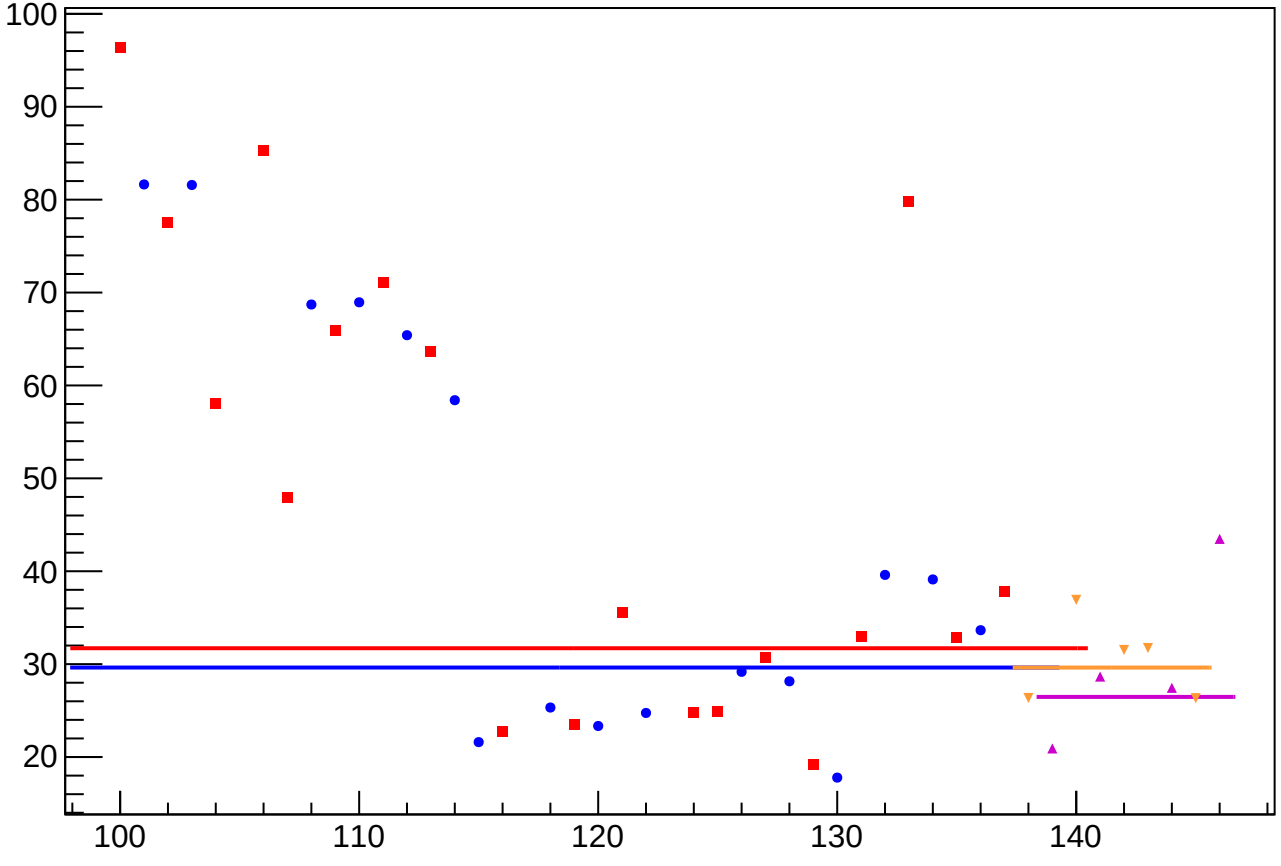
Left In: -0.004+/-0.015 χ^2/NDF:13.8/3

+ sign -0.001+/-0.010 χ^2/NDF: 20.8/20

All: 0.001+/-0.007 χ^2/NDF: 47.5/43

- sign 0.003+/-0.010 χ^2/NDF: 26.6/22

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.632+/-0.011 χ^2/NDF:115870.8/4

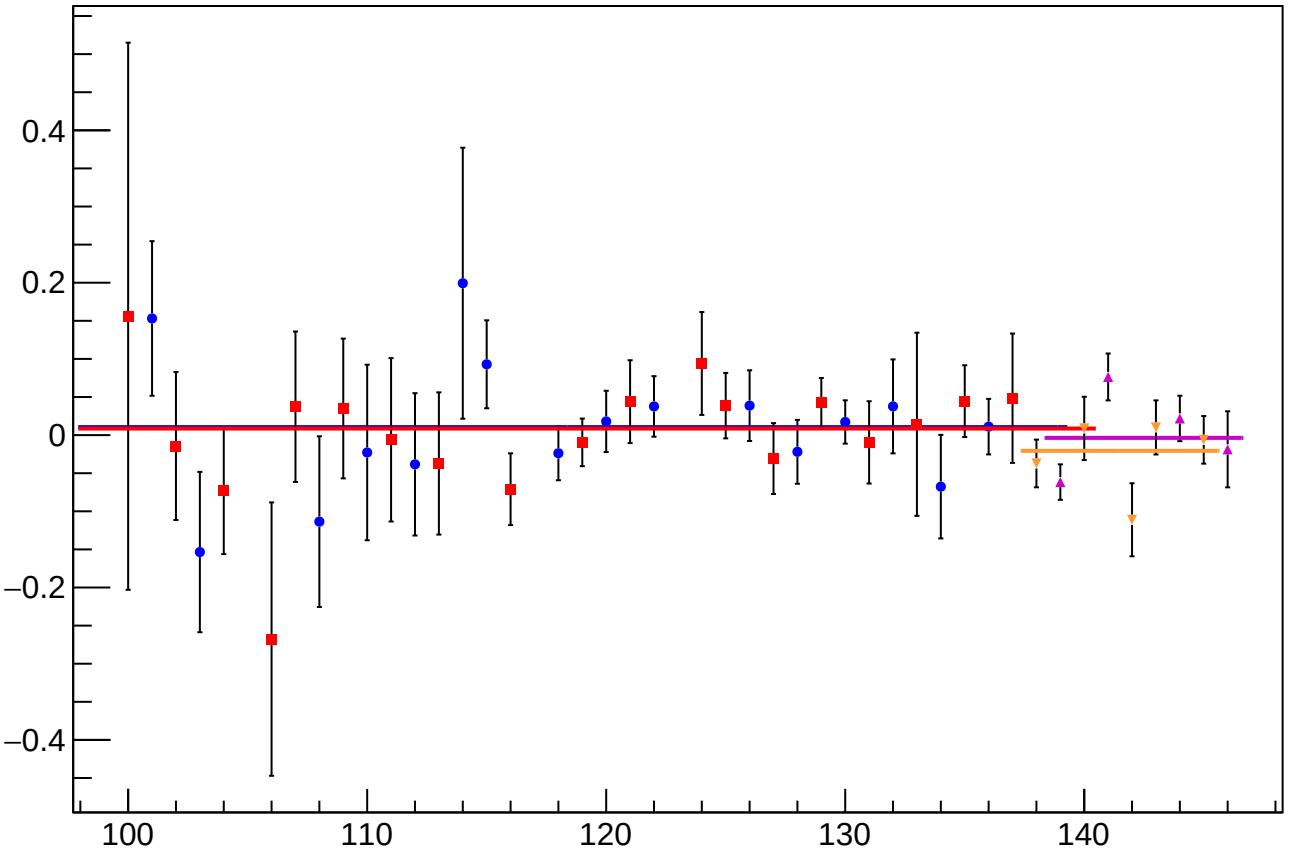
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 26.473+/-0.011 χ^2/NDF:358003.5/3

+ sign 29.633+/-0.007 χ^2/NDF: 2564541.4/20

All: 29.528+/-0.005 χ^2/NDF: 5711420.2/43

- sign 29.422+/-0.007 χ^2/NDF: 3146428.0/22



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

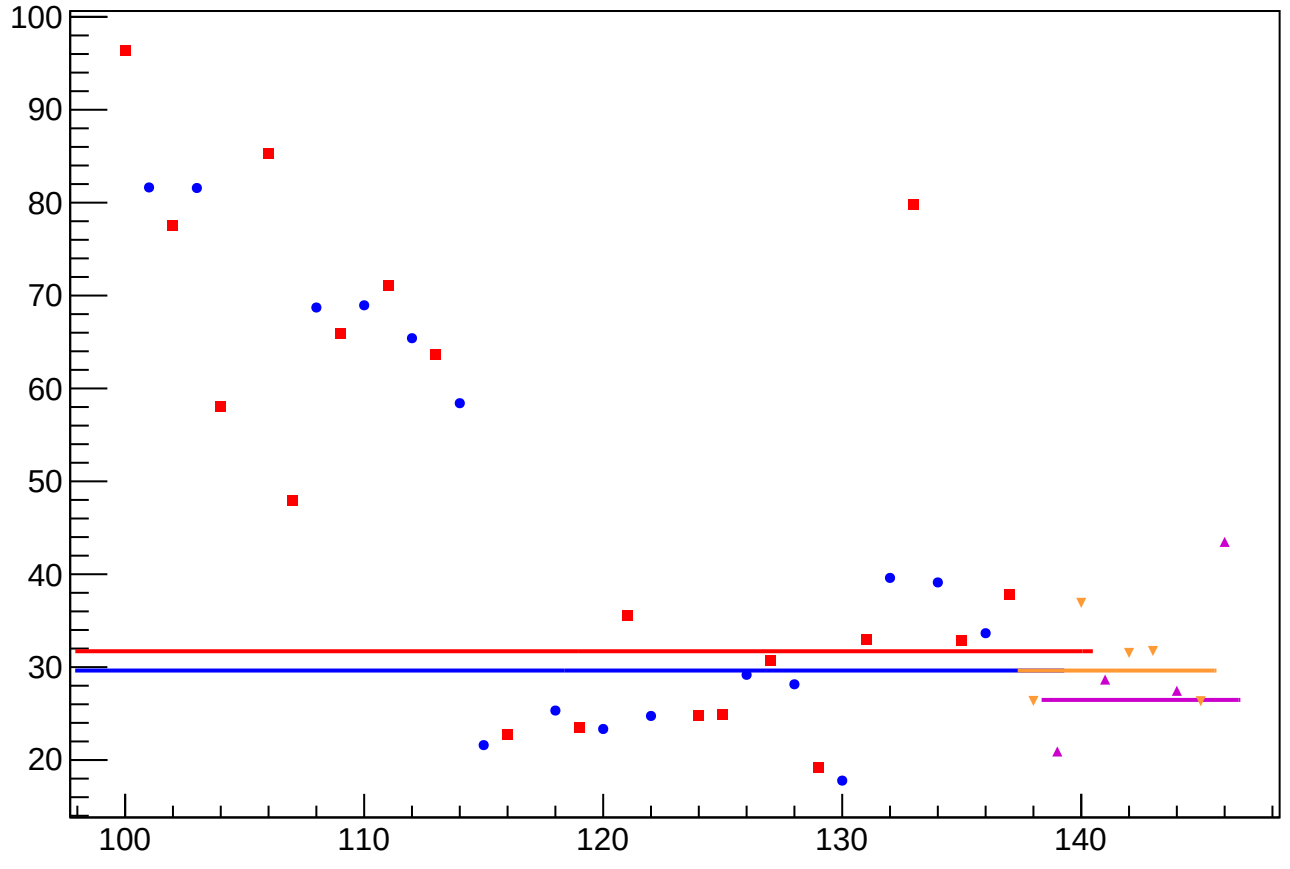
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.015 χ^2/NDF:13.8/3

+ sign -0.001+/-0.010 χ^2/NDF: 20.8/20

All: 0.001+/-0.007 χ^2/NDF: 47.5/43

- sign 0.003+/-0.010 χ^2/NDF: 26.6/22



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.632+/-0.011 χ^2/NDF:115870.8/4

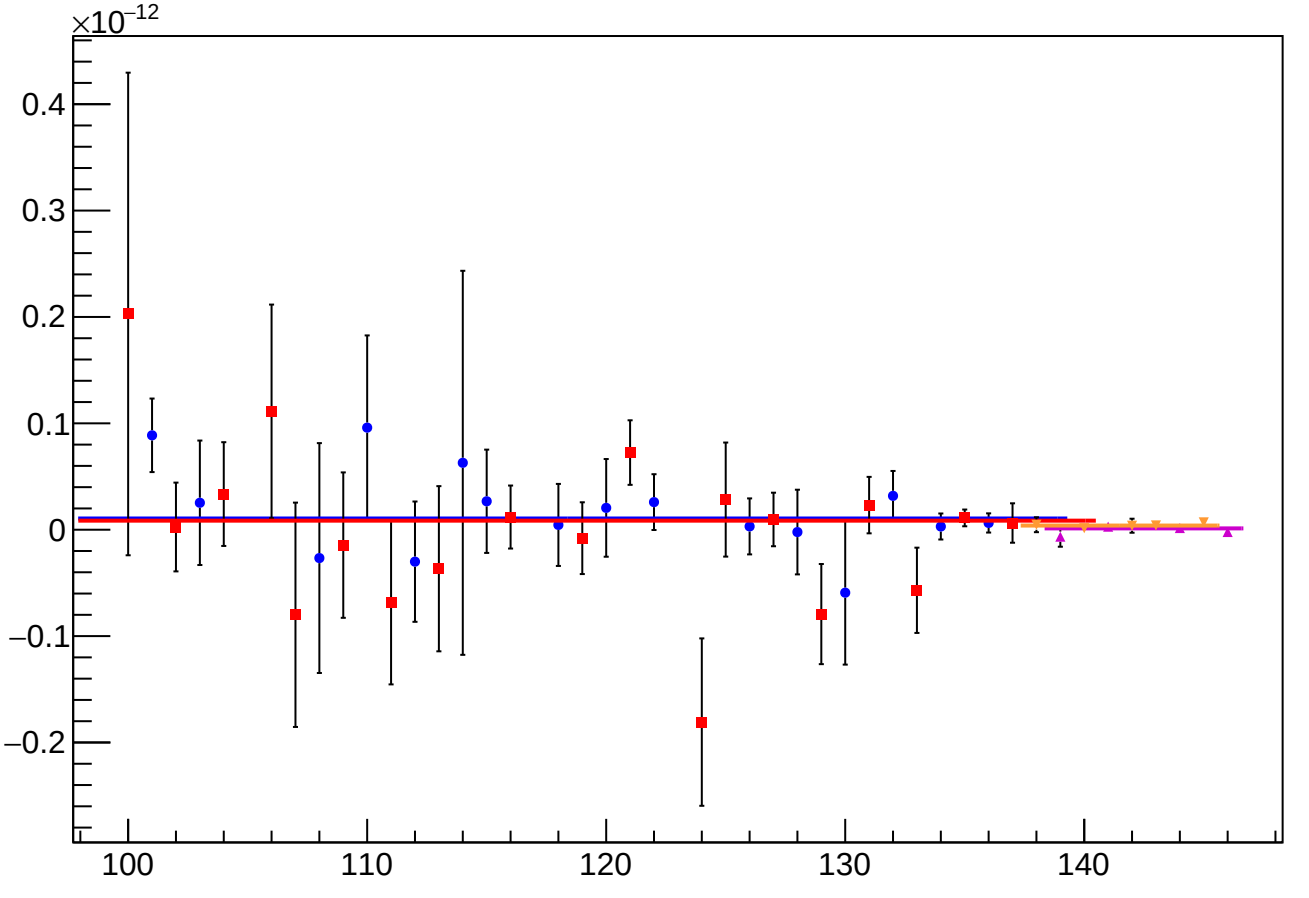
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 26.473+/-0.011 χ^2/NDF:358003.5/3

\+ sign 29.633+/-0.007 χ^2/NDF: 2564541.4/20

All: 29.528+/-0.005 χ^2/NDF: 5711420.2/43

\- sign 29.422+/-0.007 χ^2/NDF: 3146428.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

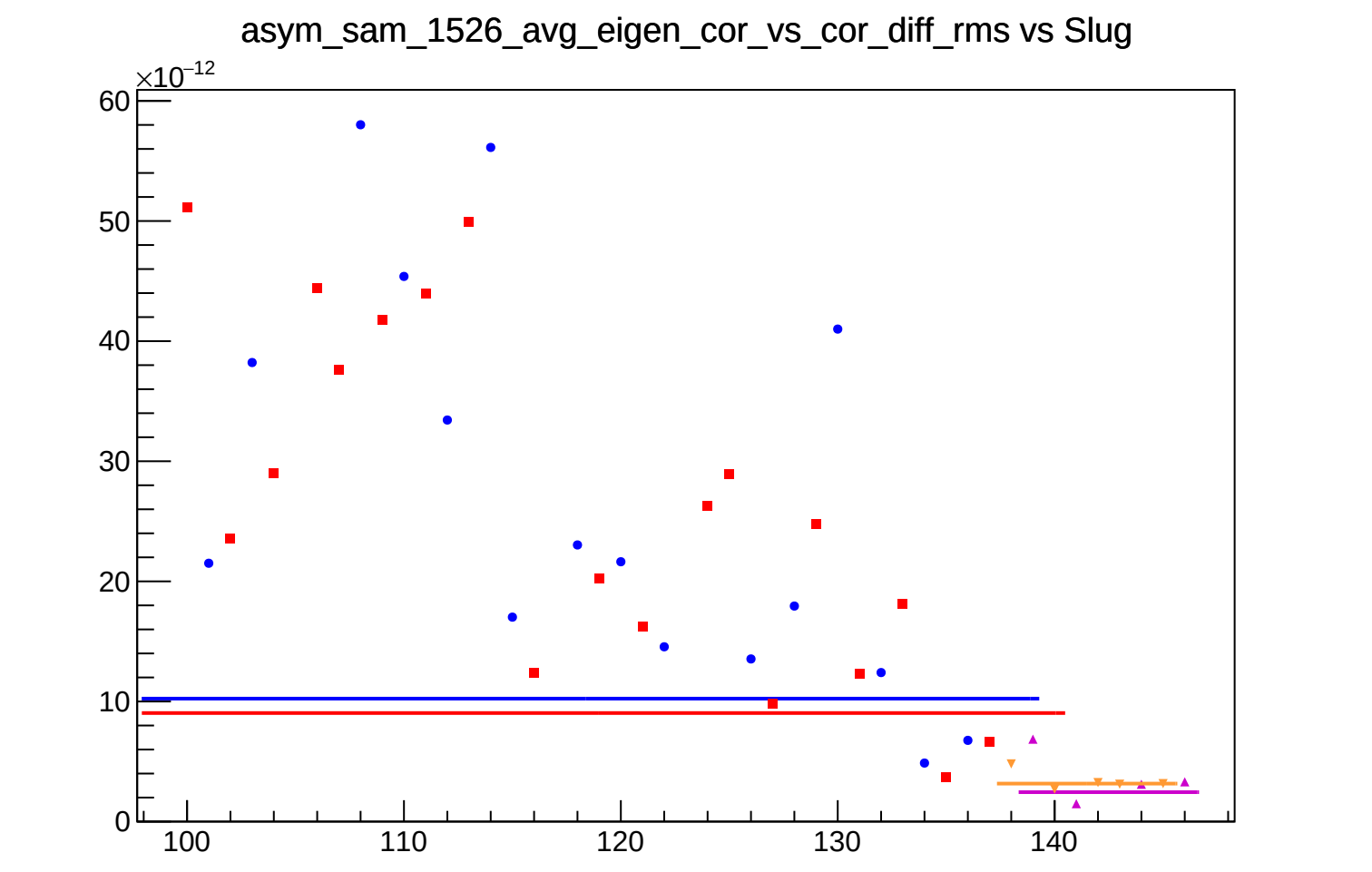
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 12.1/20

All: 0.000+/-0.000 χ^2/NDF: 37.4/43

- sign 0.000+/-0.000 χ^2/NDF: 24.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:140535.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

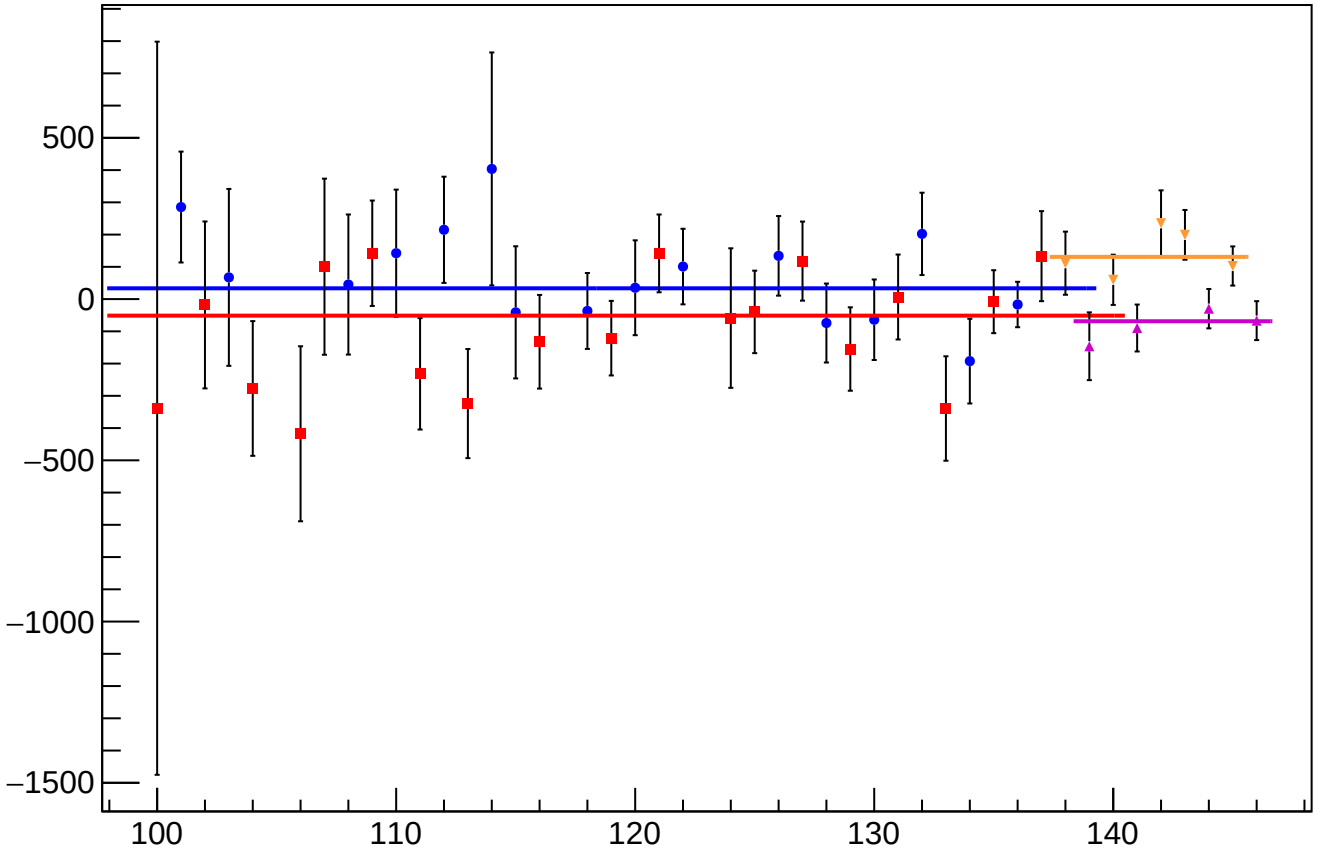
Left In: 0.000+/-0.000 χ^2/NDF:812433.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 6121598.7/20

All: 0.000+/-0.000 χ^2/NDF: 13873837.9/43

- sign 0.000+/-0.000 χ^2/NDF: 7556362.8/22

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 130.924+/-35.257 χ^2/NDF:2.9/4

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

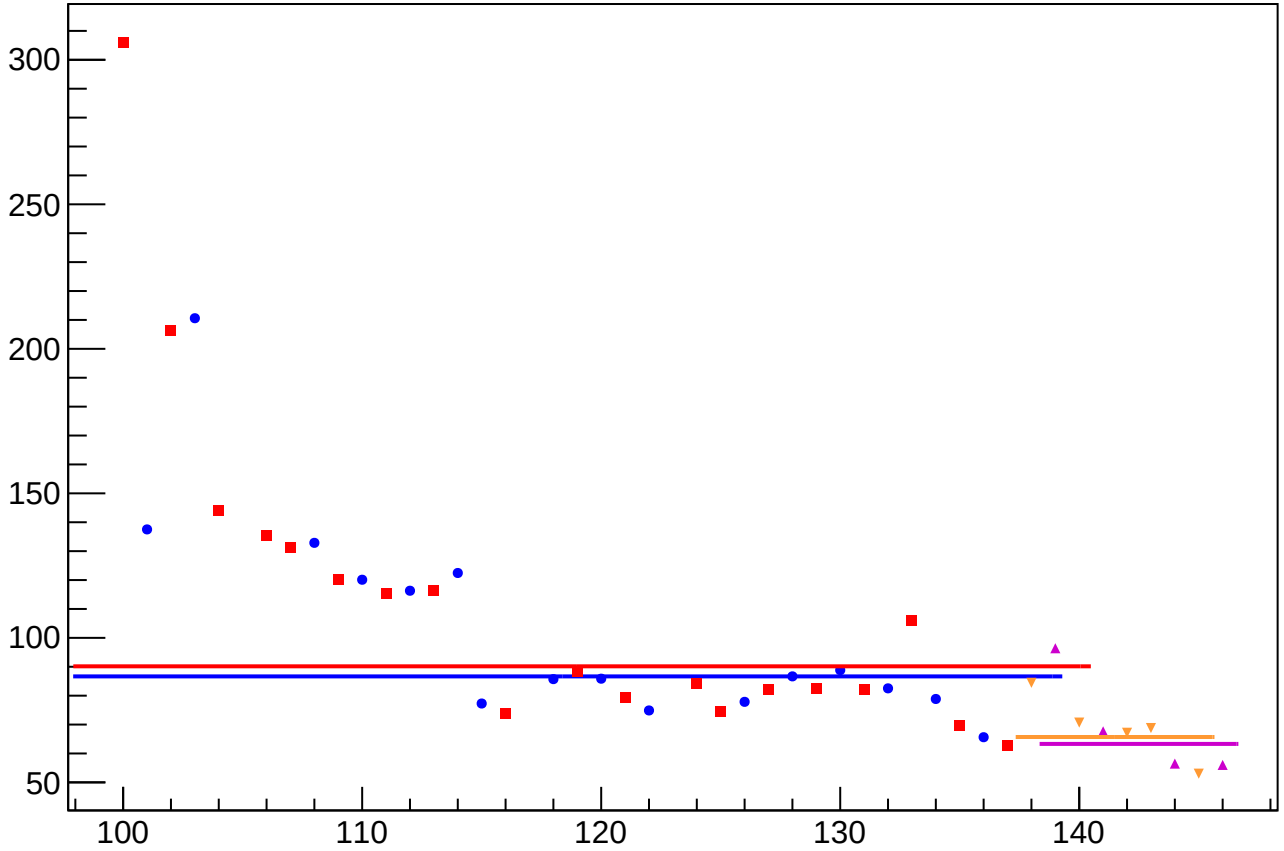
Left In: -68.696+/-34.868 χ^2/NDF:1.0/3

+ sign 80.237+/-24.429 χ^2/NDF: 19.7/20

All: 10.741+/-17.351 χ^2/NDF: 56.8/43

- sign -60.012+/-24.649 χ^2/NDF: 20.7/22

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.698+/-0.025 χ^2/NDF:172603.9/4

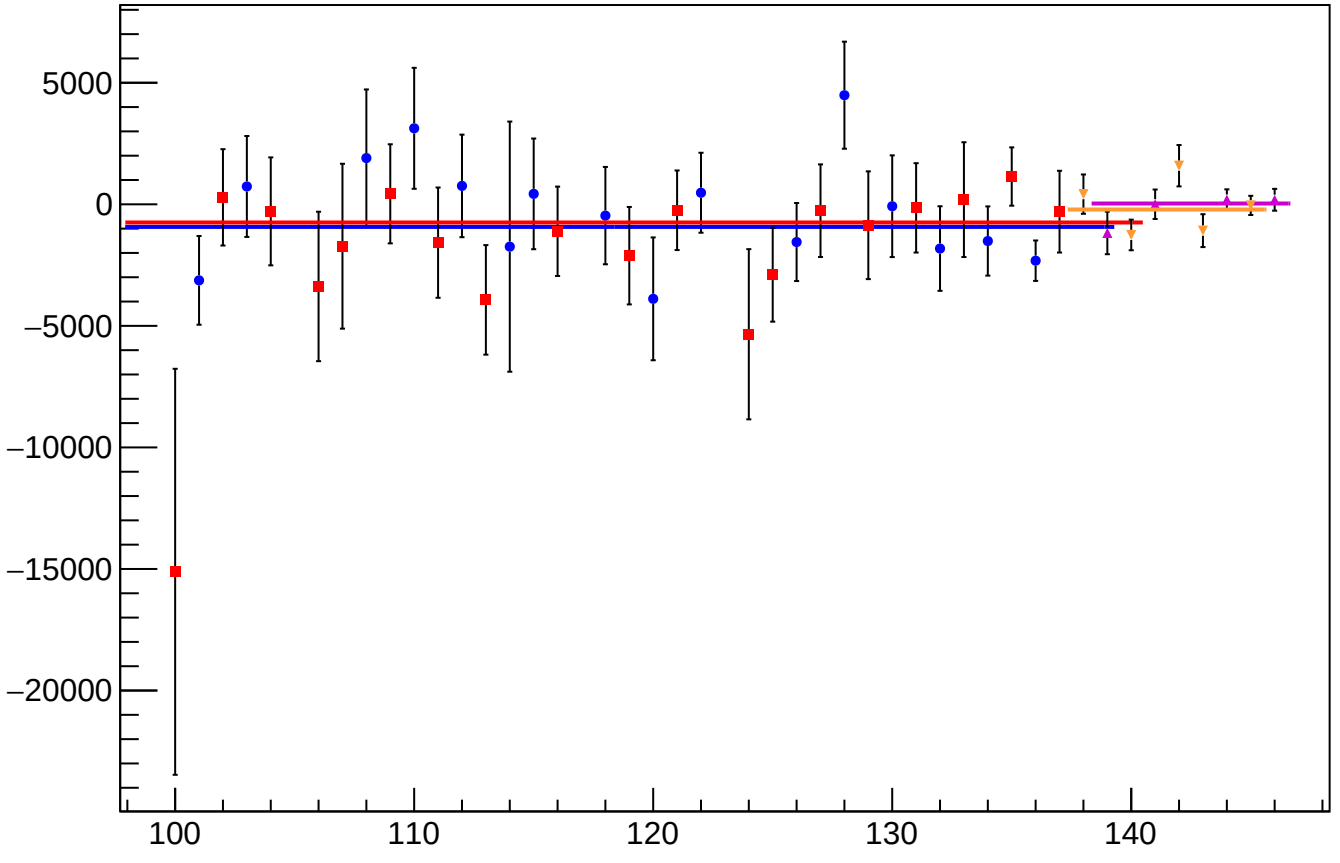
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

+ sign 76.599+/-0.017 χ^2/NDF: 1579184.3/20

All: 76.667+/-0.012 χ^2/NDF: 3581835.8/43

- sign 76.736+/-0.017 χ^2/NDF: 2002620.7/22



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -214.049+/-266.921 χ^2/NDF:9.7/4

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

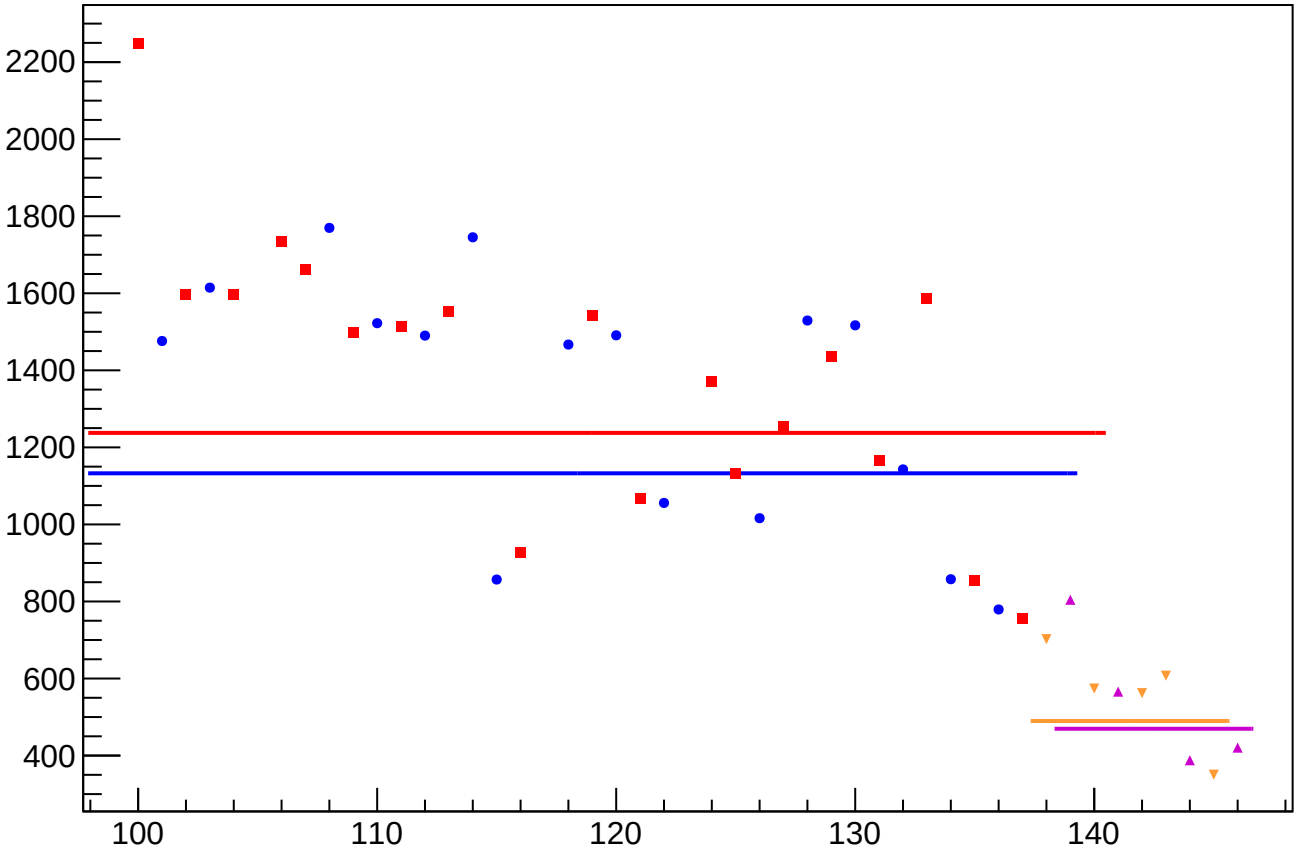
Left In: 33.063+/-261.811 χ^2/NDF:2.2/3

\+ sign -406.029+/-228.336 χ^2/NDF: 30.2/20

All: -279.582+/-161.507 χ^2/NDF: 48.1/43

\- sign -152.979+/-228.476 χ^2/NDF: 17.3/22

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 489.761+/-0.189 χ^2/NDF:497878.9/4

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

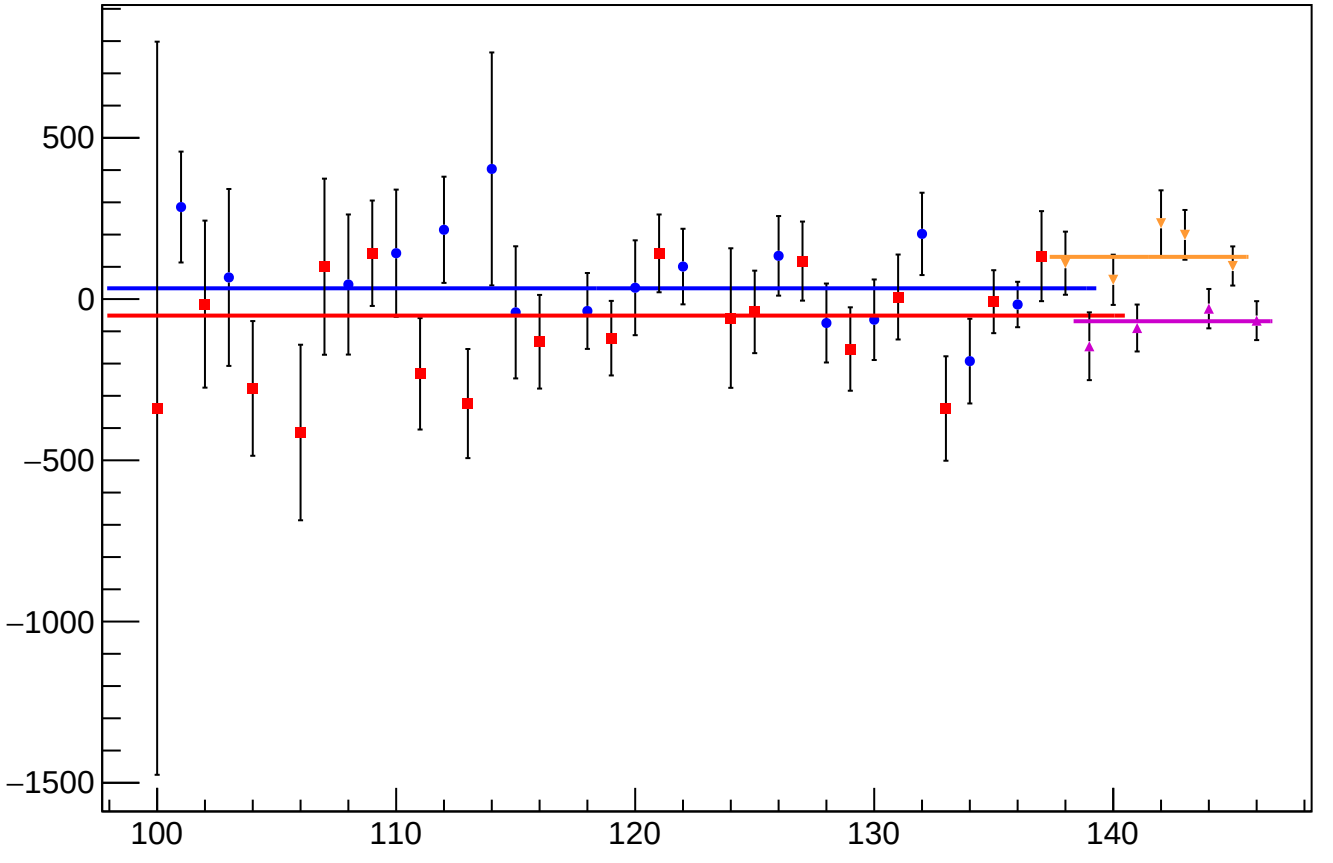
Left In: 469.577+/-0.185 χ^2/NDF:441605.3/3

+ sign 662.203+/-0.161 χ^2/NDF: 4734257.8/20

All: 657.454+/-0.114 χ^2/NDF: 10176500.7/43

- sign 652.699+/-0.162 χ^2/NDF: 5440511.7/22

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 130.926+/-35.257 χ^2/NDF:2.9/4

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

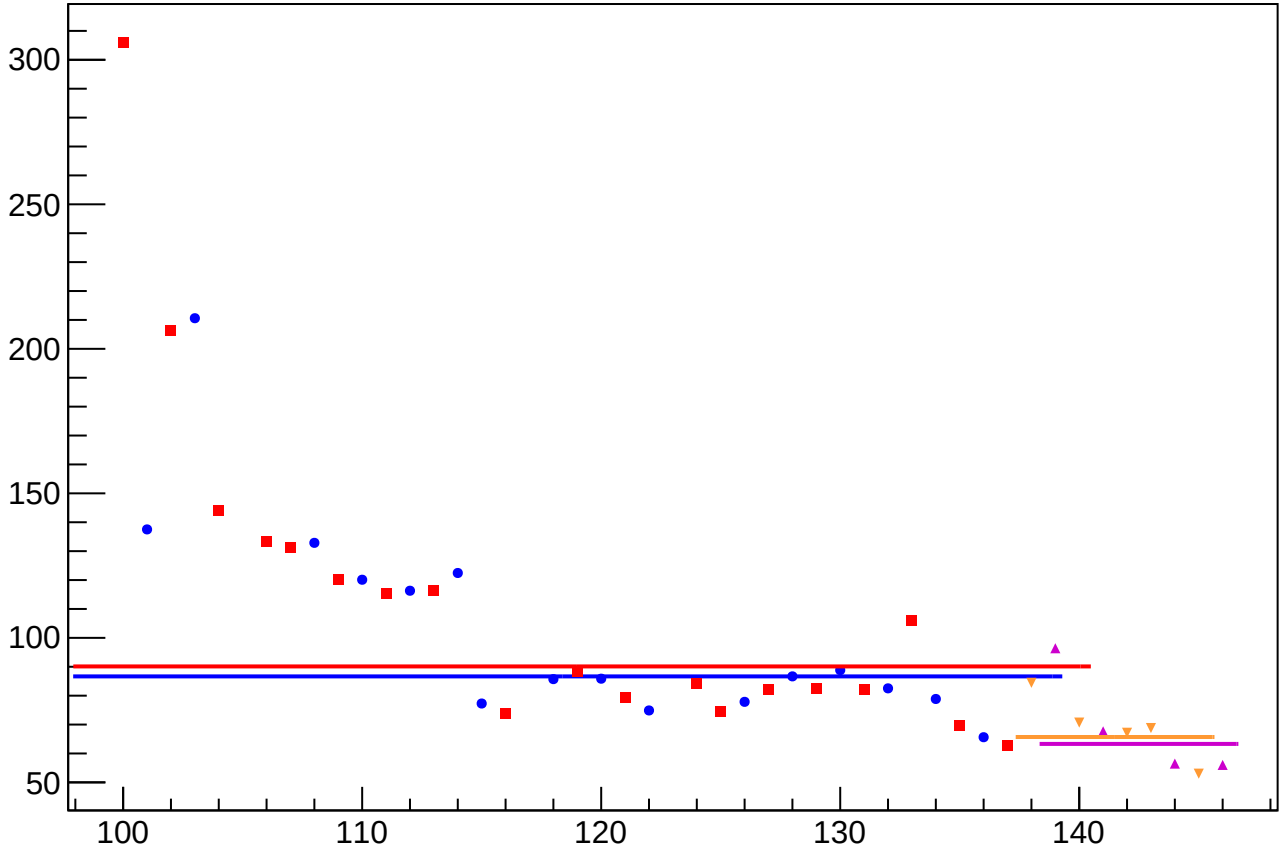
Left In: -68.696+/-34.868 χ^2/NDF:1.0/3

+ sign 80.233+/-24.429 χ^2/NDF: 19.7/20

All: 10.778+/-17.352 χ^2/NDF: 56.7/43

- sign -59.938+/-24.650 χ^2/NDF: 20.7/22

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.698+/-0.025 χ^2/NDF:172603.9/4

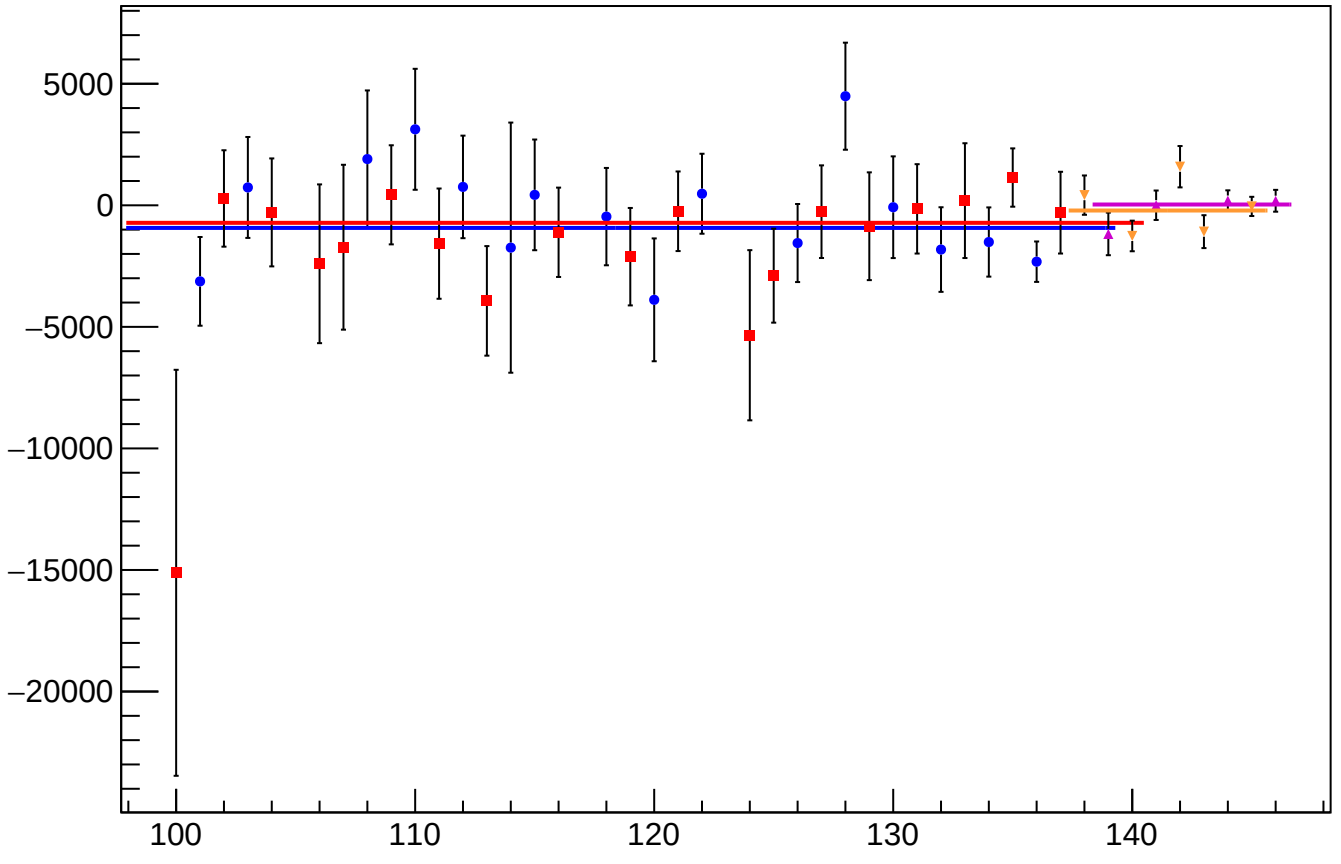
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

+ sign 76.599+/-0.017 χ^2/NDF: 1579187.0/20

All: 76.657+/-0.012 χ^2/NDF: 3575463.2/43

- sign 76.716+/-0.017 χ^2/NDF: 1996253.5/22



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -214.042+/-266.921 χ^2/NDF:9.7/4

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

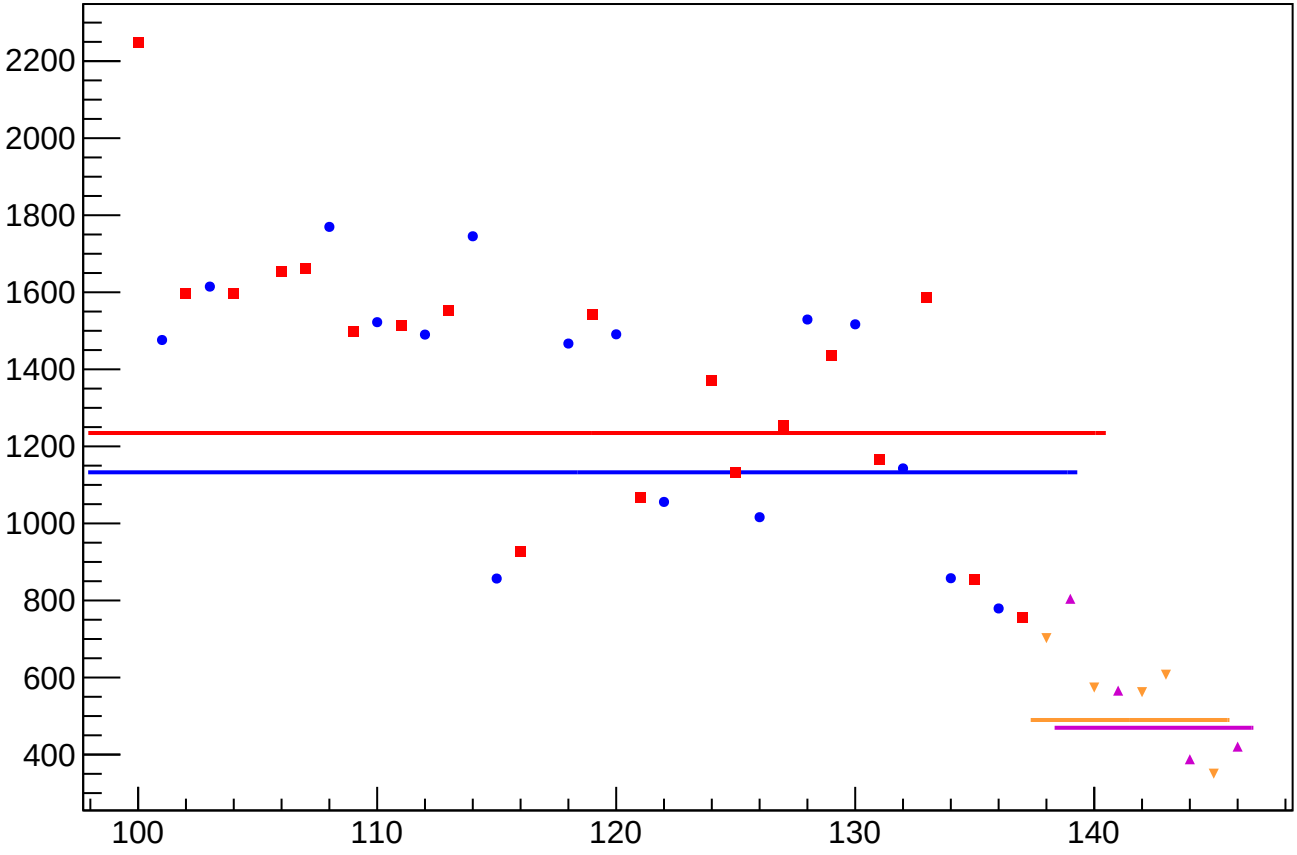
Left In: 33.059+/-261.811 χ^2/NDF:2.2/3

\+ sign -406.014+/-228.336 χ^2/NDF: 30.2/20

All: -276.263+/-161.534 χ^2/NDF: 47.5/43

\- sign -146.268+/-228.550 χ^2/NDF: 16.7/22

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 489.760+/-0.189 χ^2/NDF:497879.0/4

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

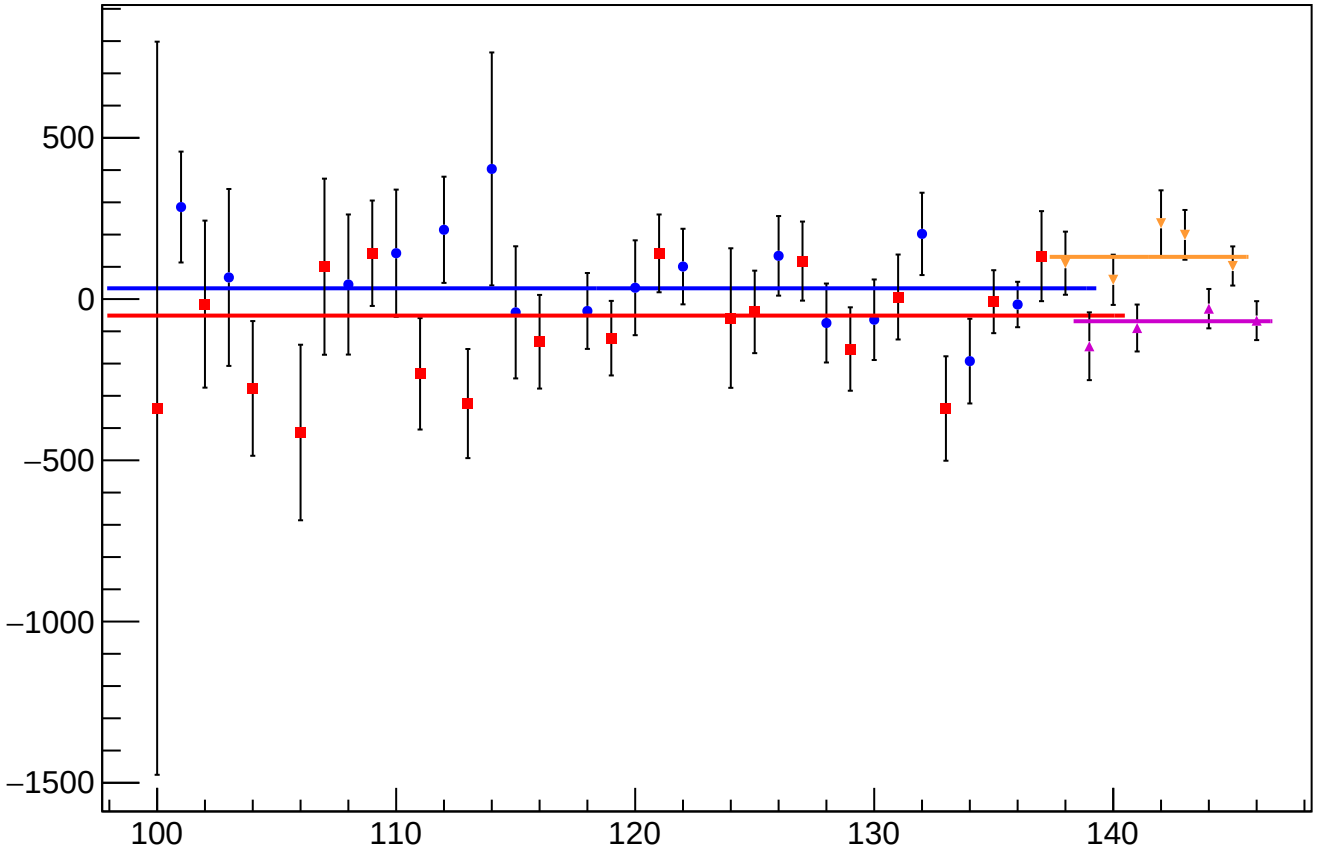
Left In: 469.577+/-0.185 χ^2/NDF:441606.2/3

+ sign 662.202+/-0.161 χ^2/NDF: 4734298.9/20

All: 656.923+/-0.114 χ^2/NDF: 10118725.5/43

- sign 651.634+/-0.162 χ^2/NDF: 5382286.3/22

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 130.926+/-35.257 χ^2/NDF:2.9/4

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

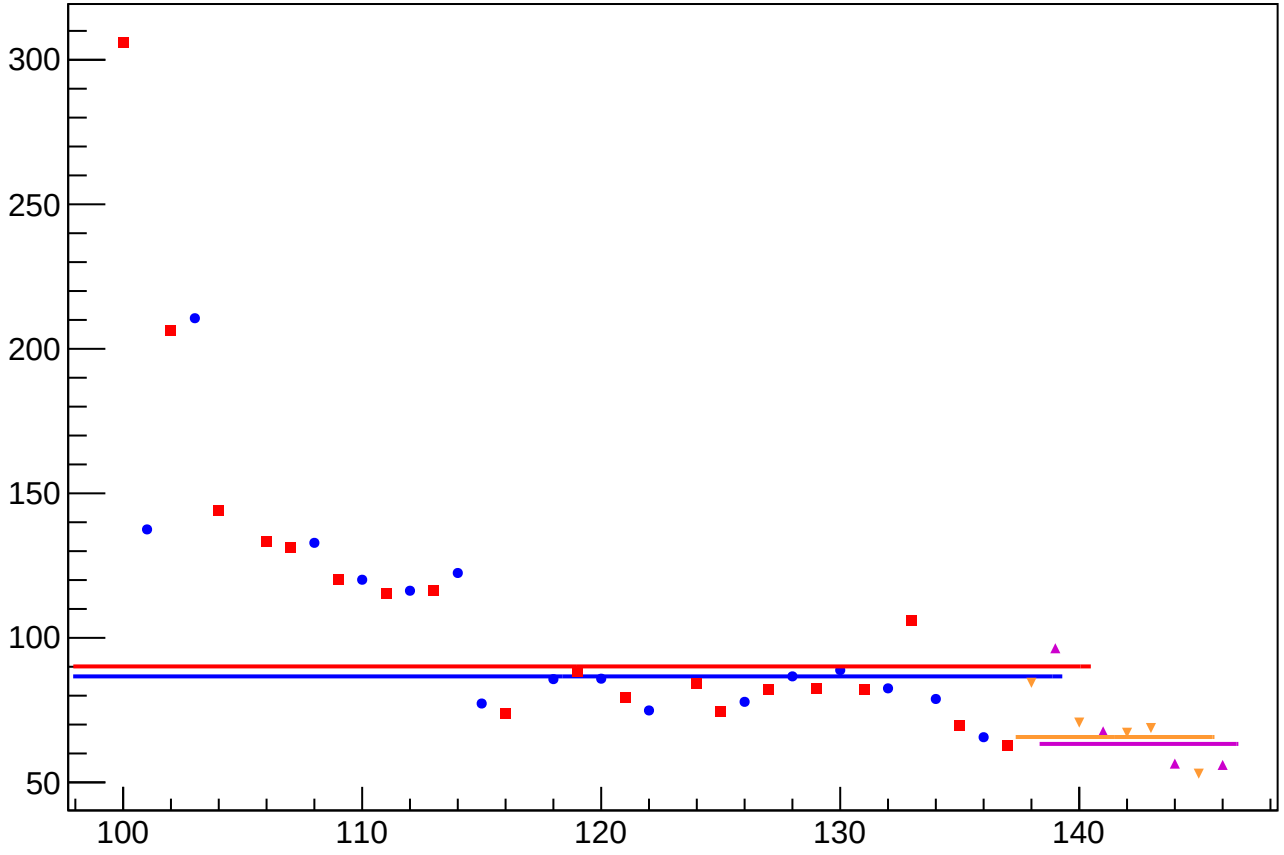
Left In: -68.696+/-34.868 χ^2/NDF:1.0/3

+ sign 80.233+/-24.429 χ^2/NDF: 19.7/20

All: 10.778+/-17.352 χ^2/NDF: 56.7/43

- sign -59.938+/-24.650 χ^2/NDF: 20.7/22

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.698+/-0.025 χ^2/NDF:172603.9/4

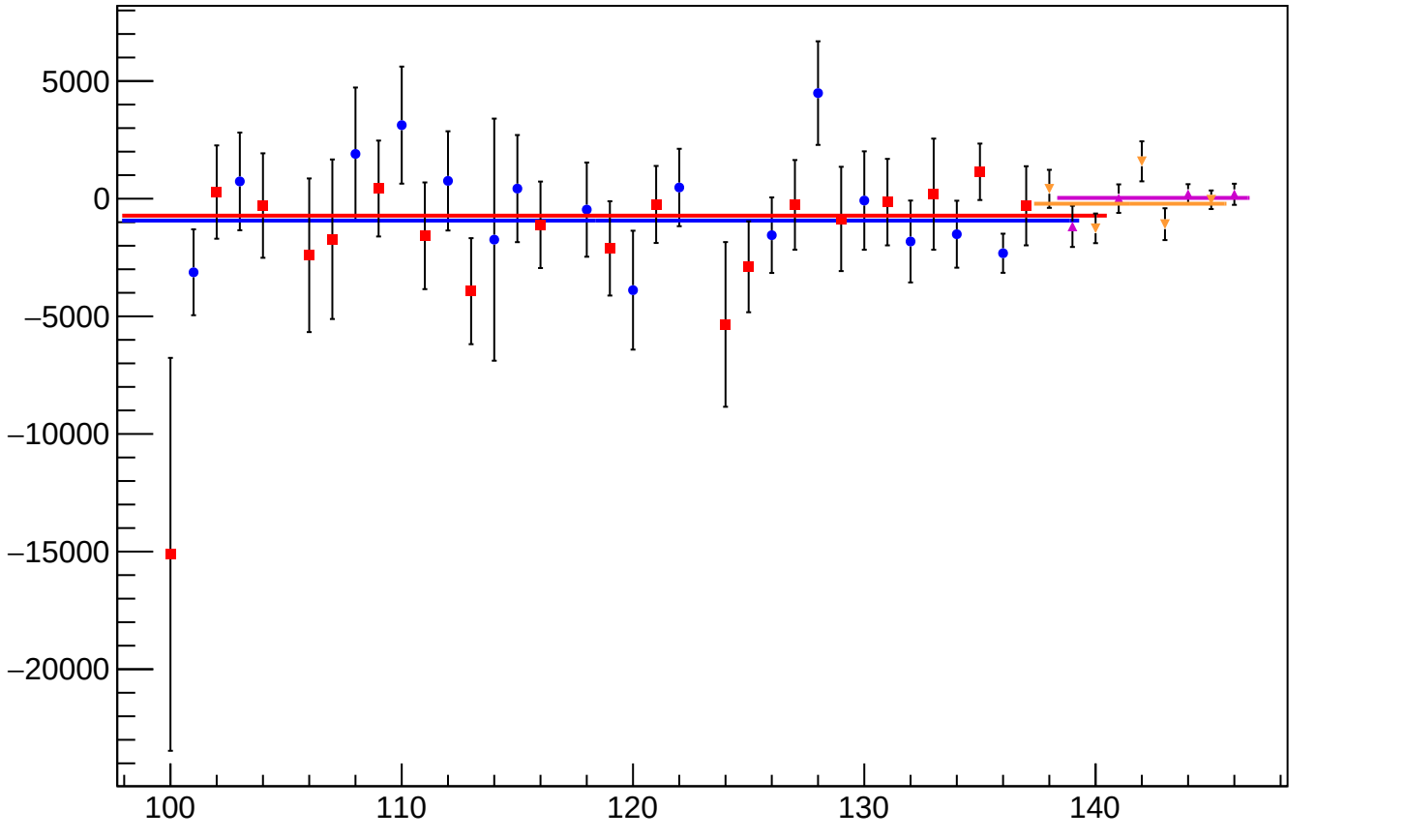
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

+ sign 76.599+/-0.017 χ^2/NDF: 1579187.0/20

All: 76.657+/-0.012 χ^2/NDF: 3575463.2/43

- sign 76.716+/-0.017 χ^2/NDF: 1996253.5/22



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -214.042+/-266.921 χ^2/NDF:9.7/4

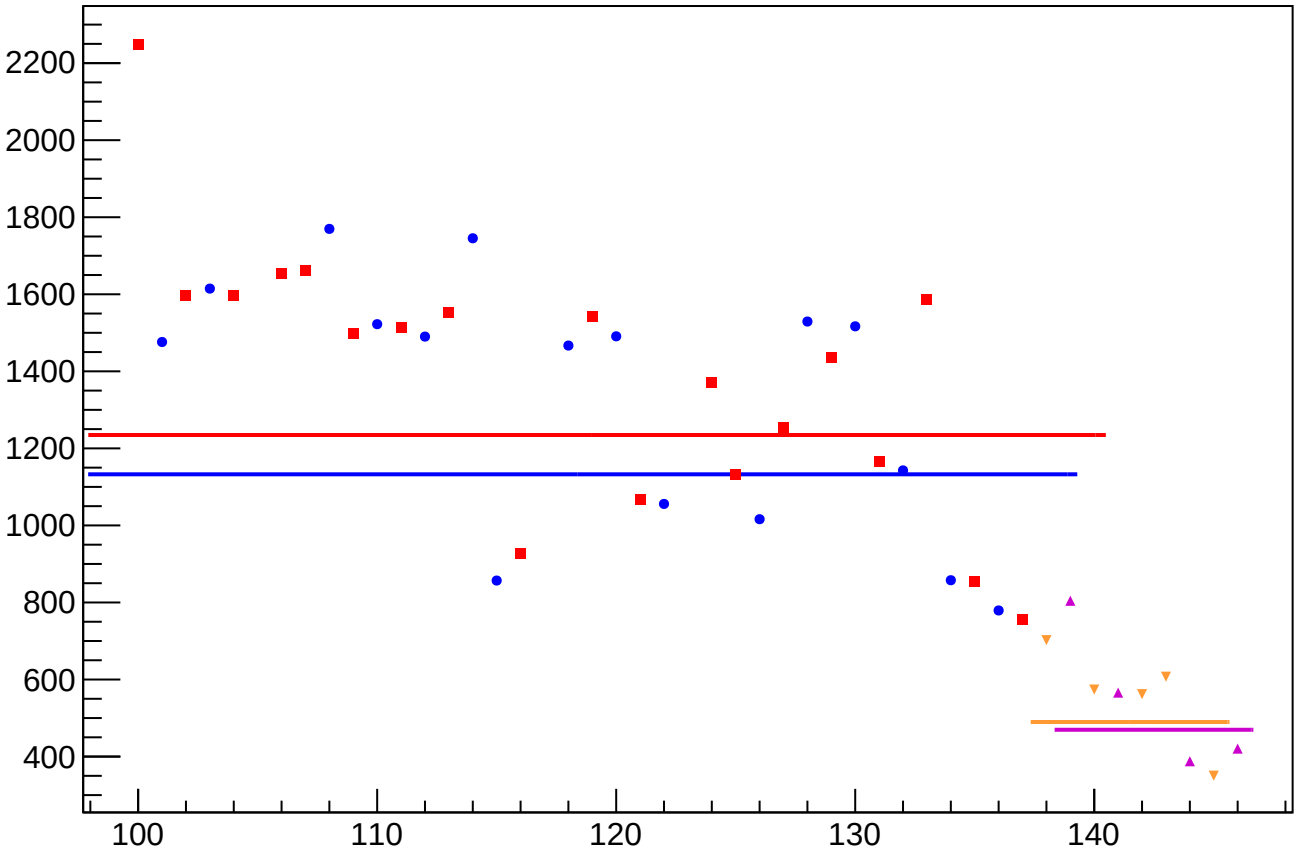
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 33.059+/-261.811 χ^2/NDF:2.2/3

\+ sign -406.014+/-228.336 χ^2/NDF: 30.2/20

All: -276.263+/-161.534 χ^2/NDF: 47.5/43

\- sign -146.268+/-228.550 χ^2/NDF: 16.7/22



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 489.760+/-0.189 χ^2/NDF:497879.0/4

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

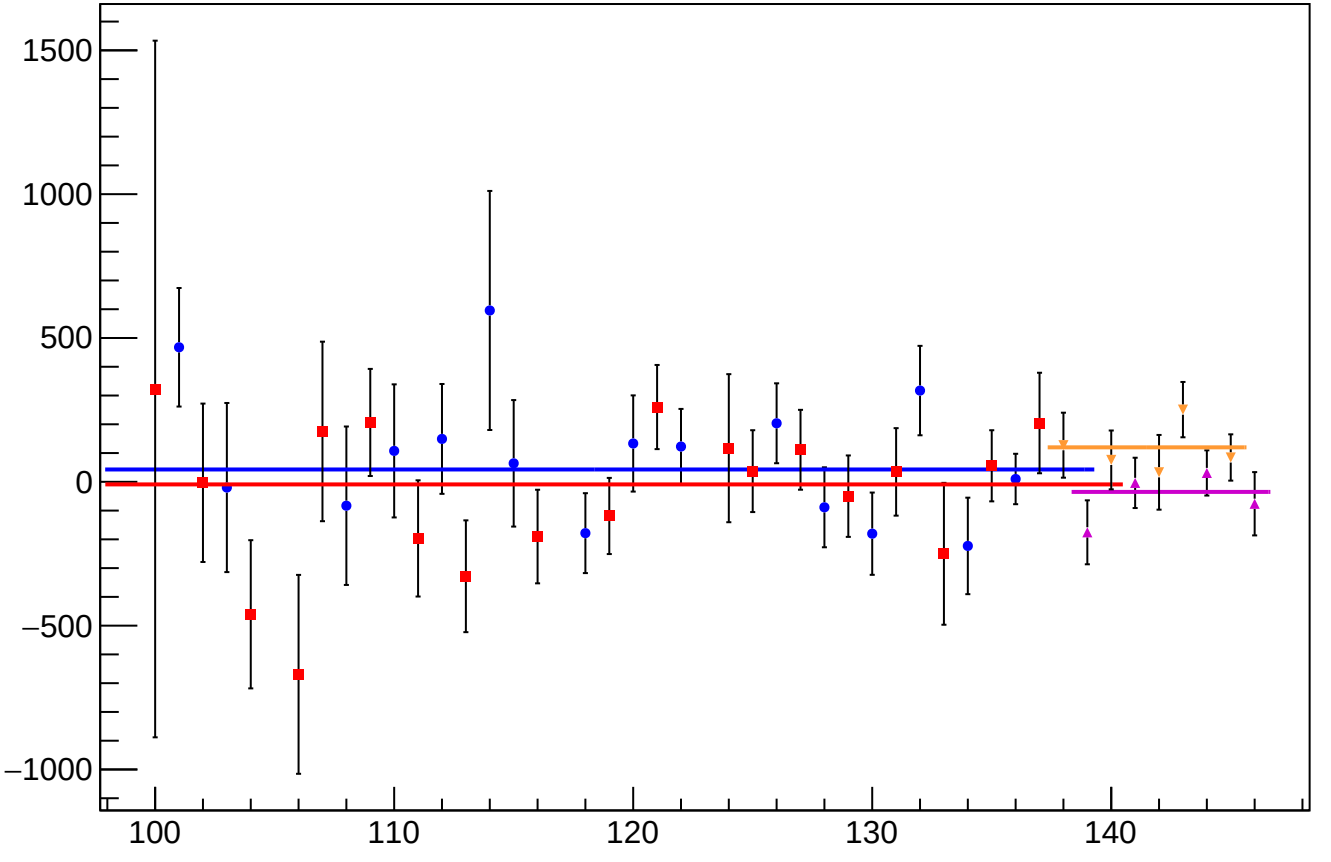
Left In: 469.577+/-0.185 χ^2/NDF:441606.2/3

+ sign 662.202+/-0.161 χ^2/NDF: 4734298.9/20

All: 656.923+/-0.114 χ^2/NDF: 10118725.5/43

- sign 651.634+/-0.162 χ^2/NDF: 5382286.3/22

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 119.851+/-44.910 χ^2/NDF:2.7/4

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

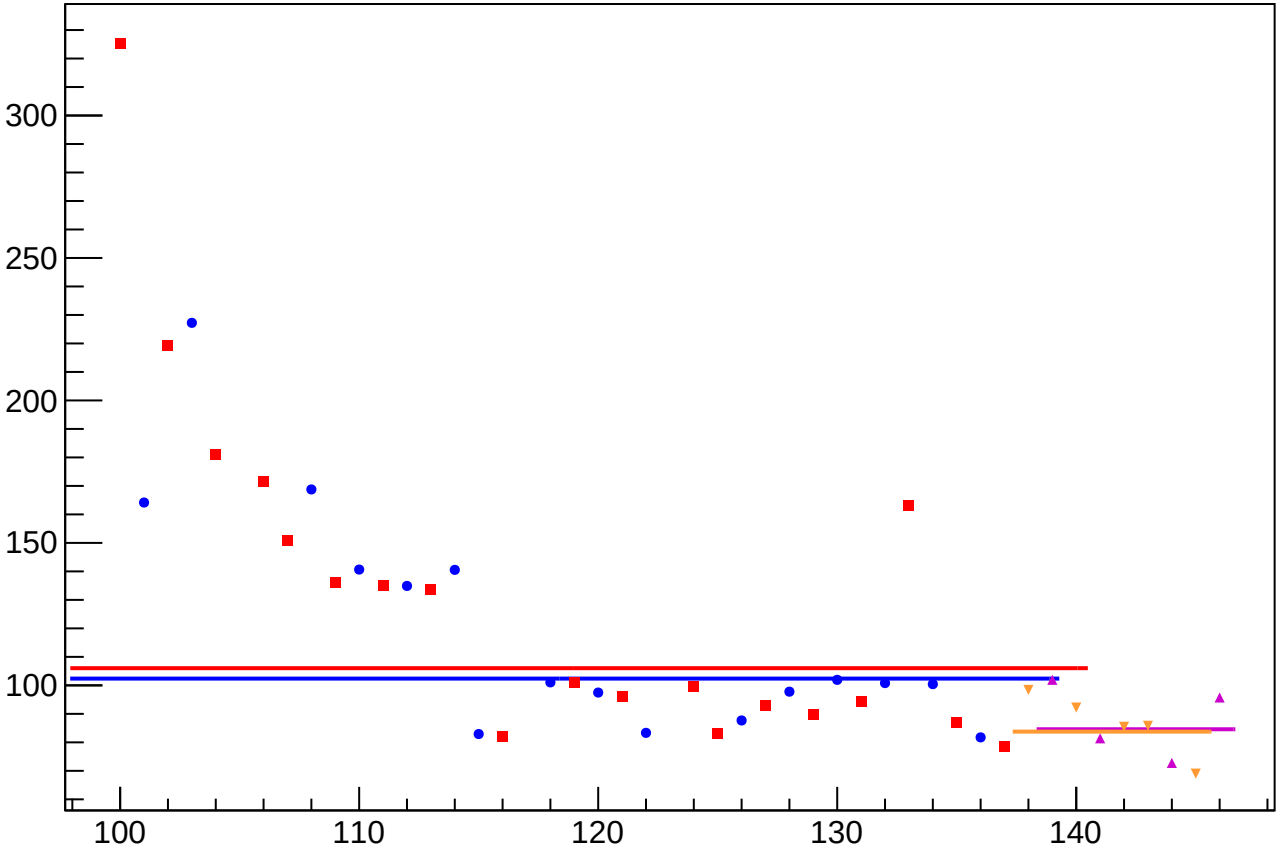
Left In: -35.057+/-46.822 χ^2/NDF:2.6/3

+ sign 76.899+/-29.848 χ^2/NDF: 24.6/20

All: 29.927+/-21.458 χ^2/NDF: 53.8/43

- sign -20.321+/-30.871 χ^2/NDF: 24.1/22

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 83.766+/-0.032 χ^2/NDF:115636.7/4

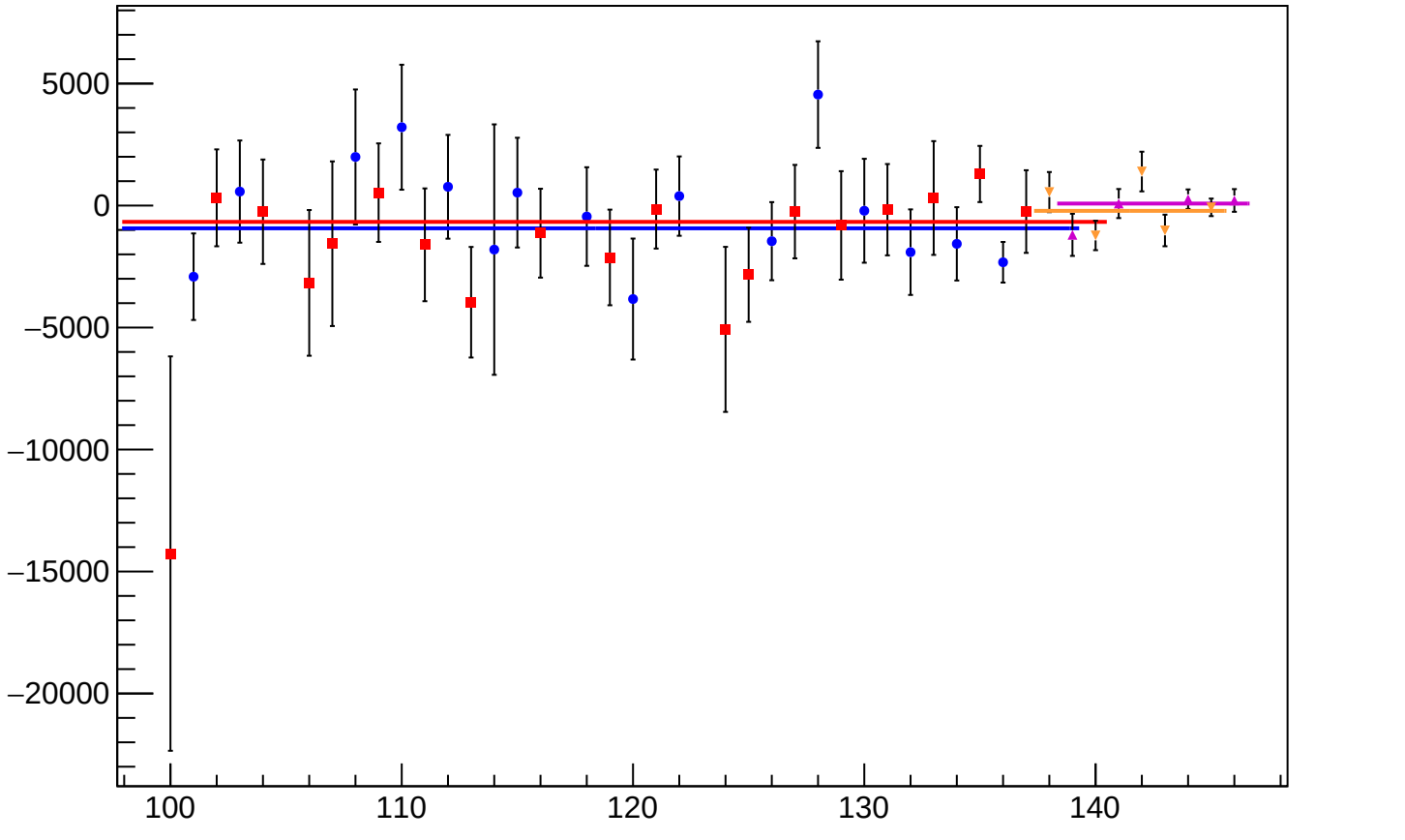
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 84.595+/-0.033 χ^2/NDF:117138.8/3

+ sign 94.157+/-0.021 χ^2/NDF: 1289735.9/20

All: 95.392+/-0.015 χ^2/NDF: 2842261.5/43

- sign 96.713+/-0.022 χ^2/NDF: 1545436.0/22



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -216.679+/-250.956 χ^2/NDF:9.3/4

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

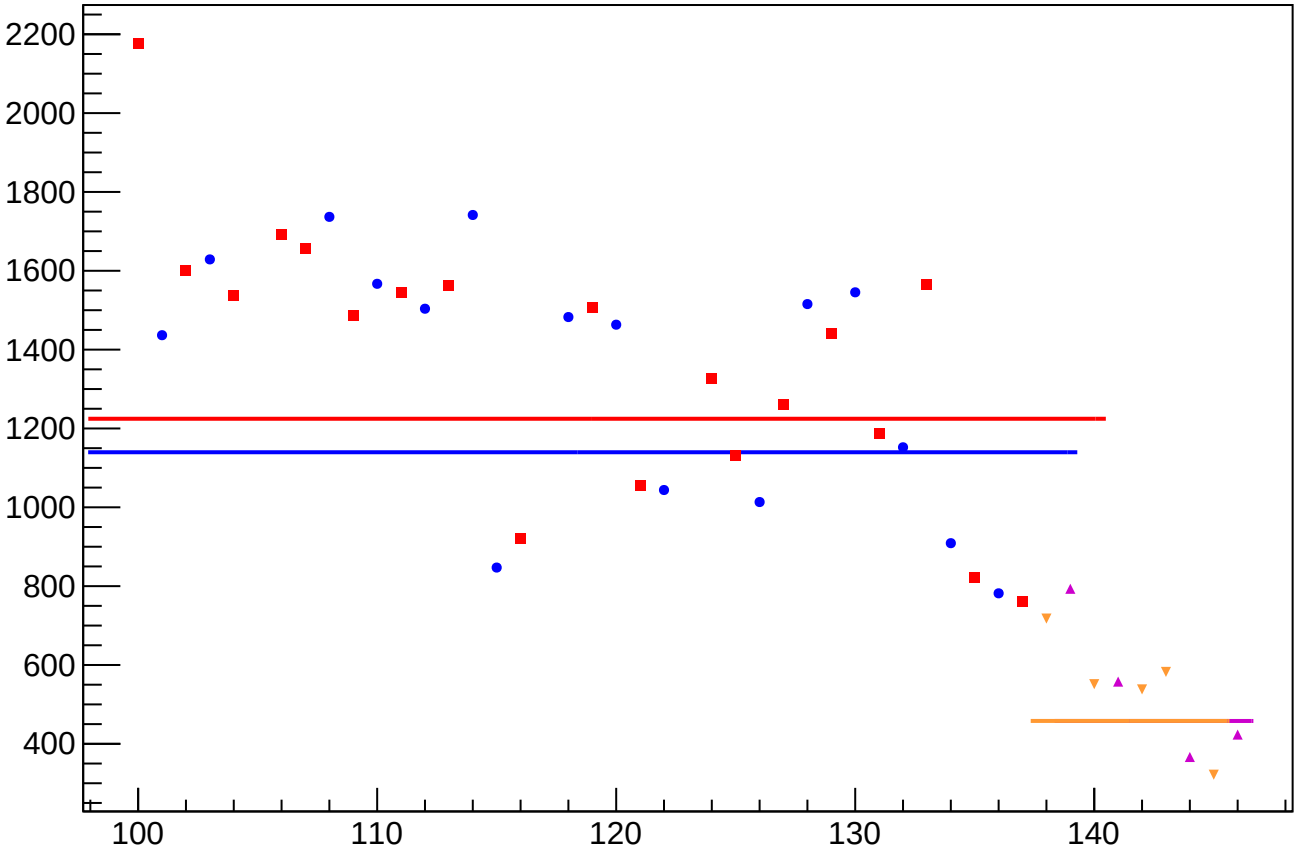
Left In: 82.261+/-257.930 χ^2/NDF:2.5/3

+ sign -390.721+/-218.320 χ^2/NDF: 29.8/20

All: -247.753+/-156.802 χ^2/NDF: 48.6/43

- sign -95.431+/-225.350 χ^2/NDF: 17.9/22

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 458.080+/-0.177 χ^2/NDF:628679.0/4

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

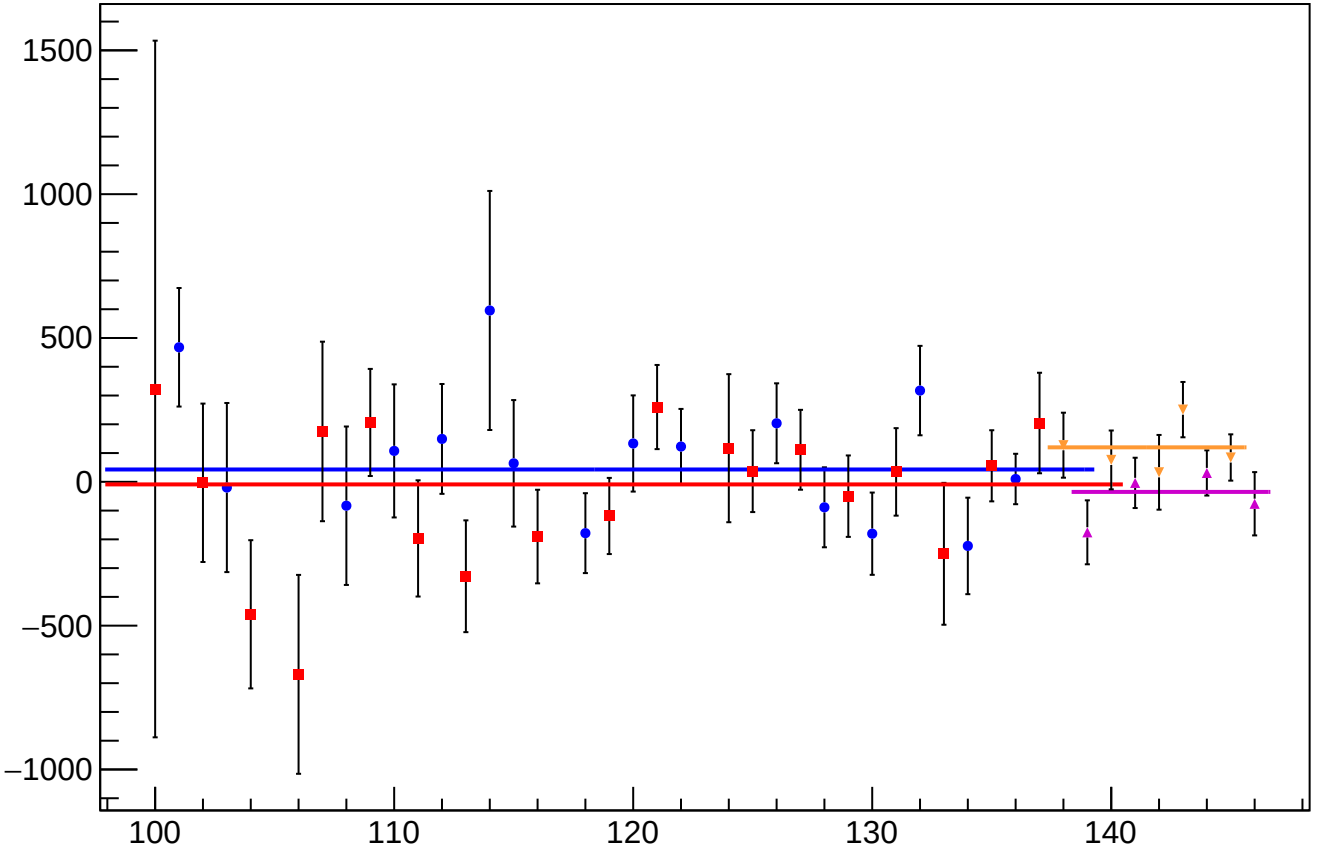
Left In: 457.976+/-0.182 χ^2/NDF:472868.7/3

+ sign 623.824+/-0.154 χ^2/NDF: 5309560.0/20

All: 631.377+/-0.111 χ^2/NDF: 10891773.9/43

- sign 639.426+/-0.159 χ^2/NDF: 5577268.5/22

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 119.848+/-44.910 χ^2/NDF:2.7/4

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

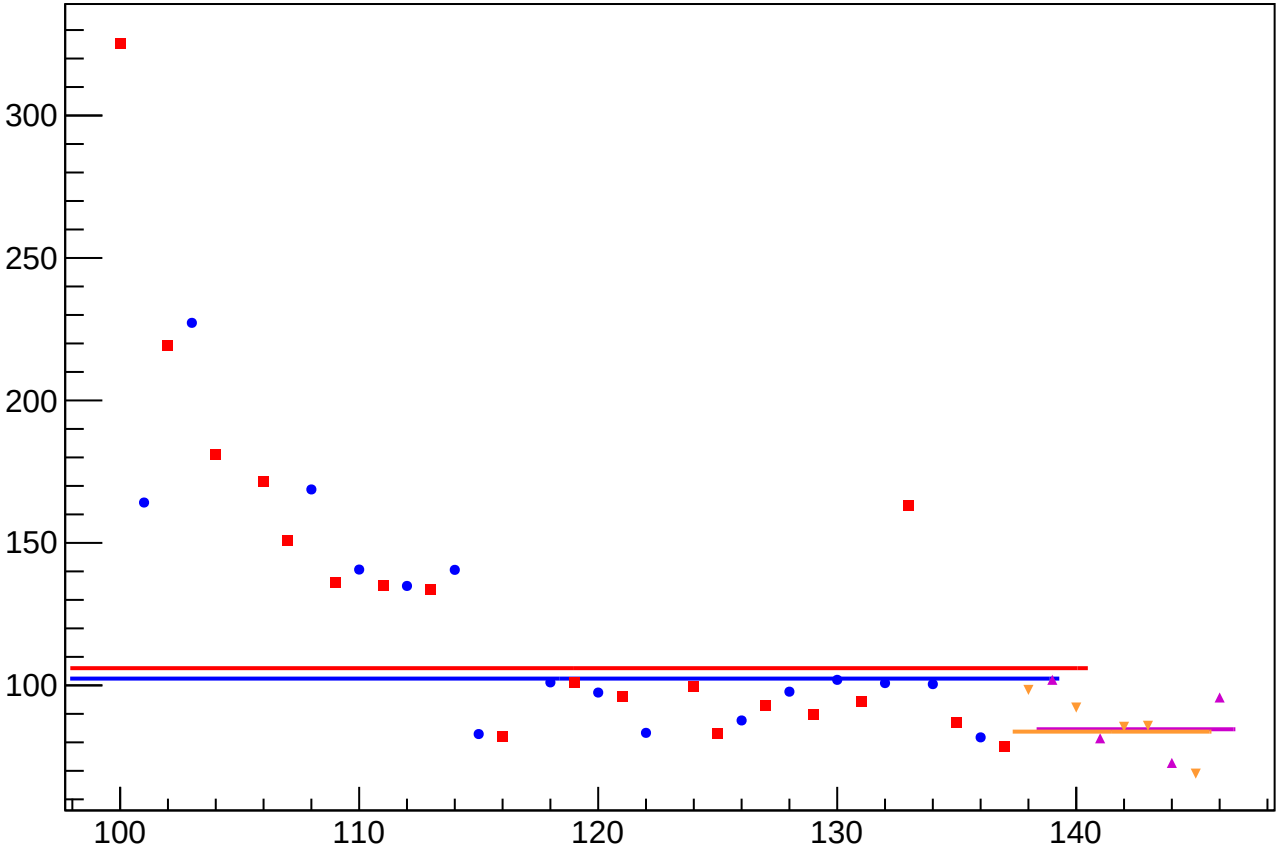
Left In: -35.058+/-46.822 χ^2/NDF:2.6/3

+ sign 76.898+/-29.848 χ^2/NDF: 24.6/20

All: 29.927+/-21.458 χ^2/NDF: 53.8/43

- sign -20.319+/-30.871 χ^2/NDF: 24.1/22

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 83.766+/-0.032 χ^2/NDF:115627.1/4

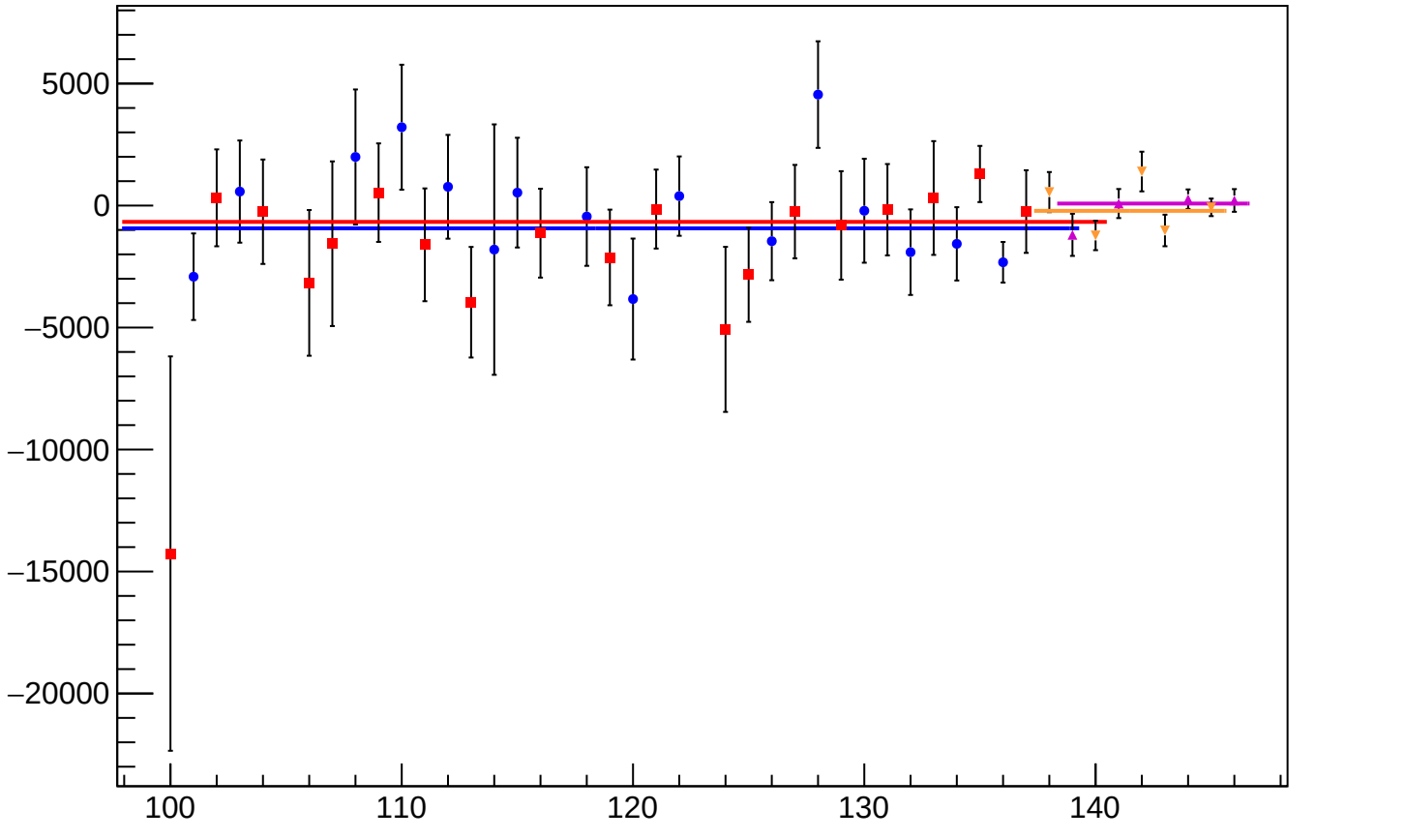
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 84.595+/-0.033 χ^2/NDF:117136.2/3

+ sign 94.157+/-0.021 χ^2/NDF: 1289706.2/20

All: 95.392+/-0.015 χ^2/NDF: 2842220.0/43

- sign 96.713+/-0.022 χ^2/NDF: 1545424.1/22



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -216.682+/-250.955 χ^2/NDF:9.3/4

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

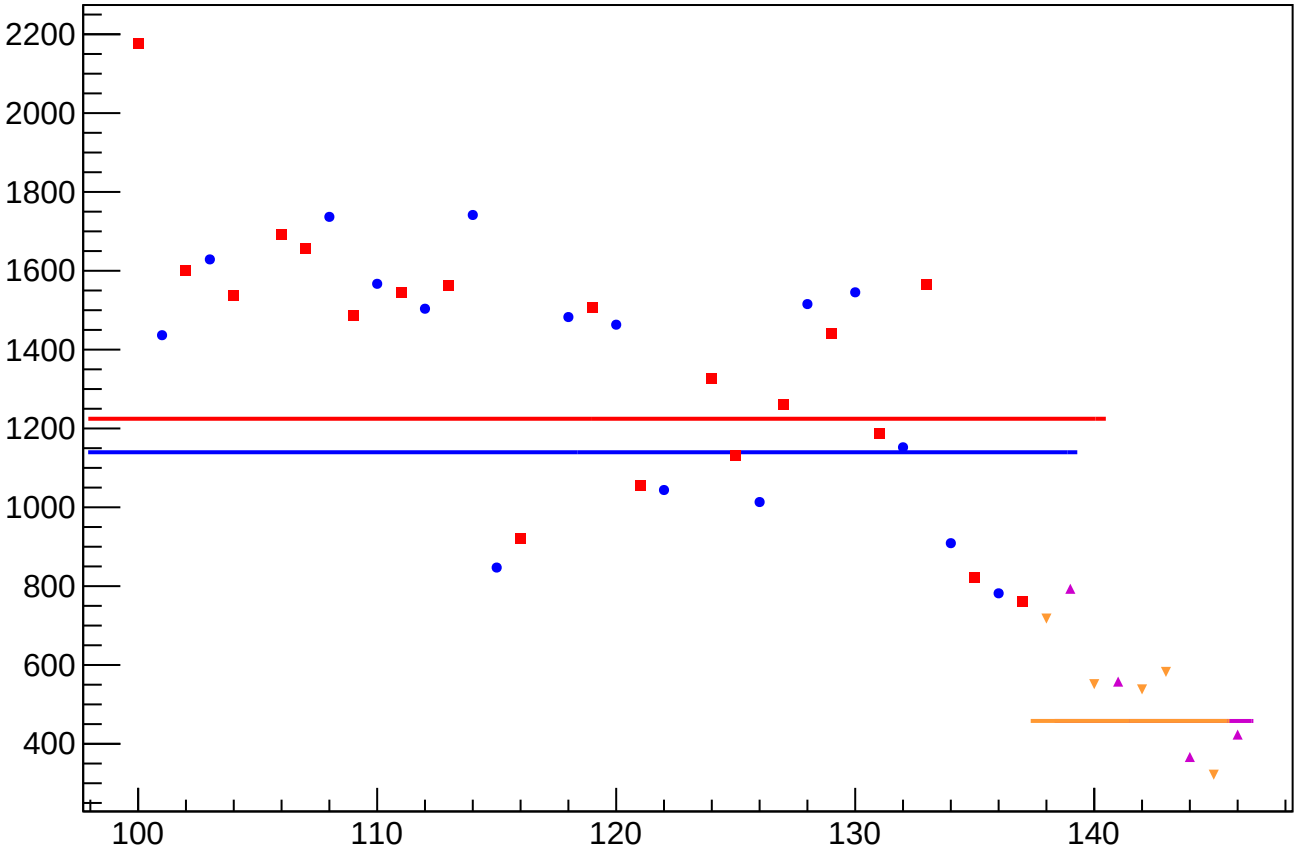
Left In: 82.261+/-257.930 χ^2/NDF:2.5/3

+ sign -390.722+/-218.320 χ^2/NDF: 29.8/20

All: -247.754+/-156.802 χ^2/NDF: 48.6/43

- sign -95.431+/-225.349 χ^2/NDF: 17.9/22

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 458.078+/-0.177 χ^2/NDF:628686.8/4

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

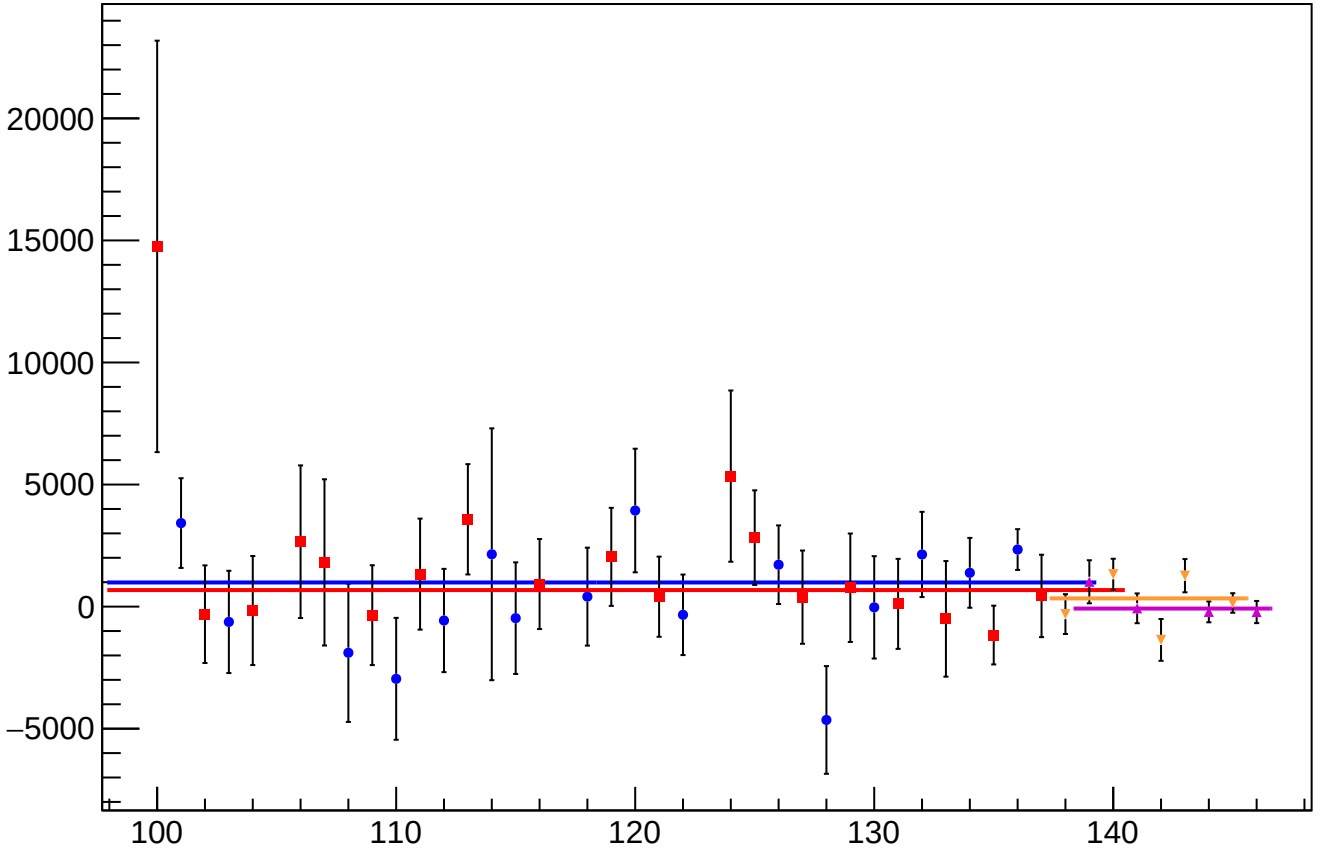
Left In: 457.975+/-0.182 χ^2/NDF:472869.9/3

+ sign 623.822+/-0.154 χ^2/NDF: 5309572.2/20

All: 631.376+/-0.111 χ^2/NDF: 10891781.9/43

- sign 639.425+/-0.159 χ^2/NDF: 5577263.8/22

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 337.141+/-269.545 χ^2/NDF:9.1/4

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

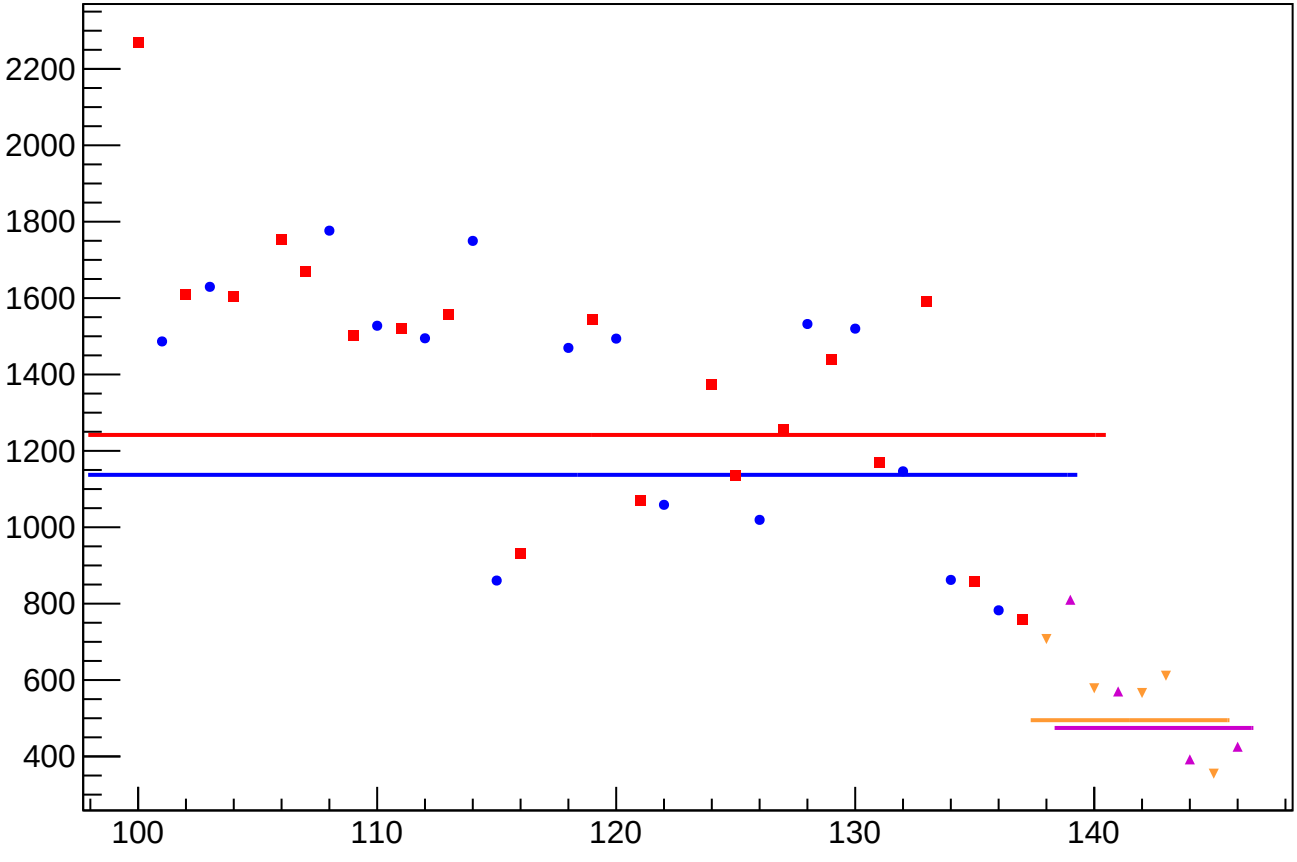
Left In: -79.425+/-264.471 χ^2/NDF:1.7/3

+ sign 513.566+/-230.219 χ^2/NDF: 29.7/20

All: 308.406+/-162.869 χ^2/NDF: 46.9/43

- sign 102.843+/-230.445 χ^2/NDF: 15.6/22

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 494.880+/-0.191 χ^2/NDF:488286.3/4

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

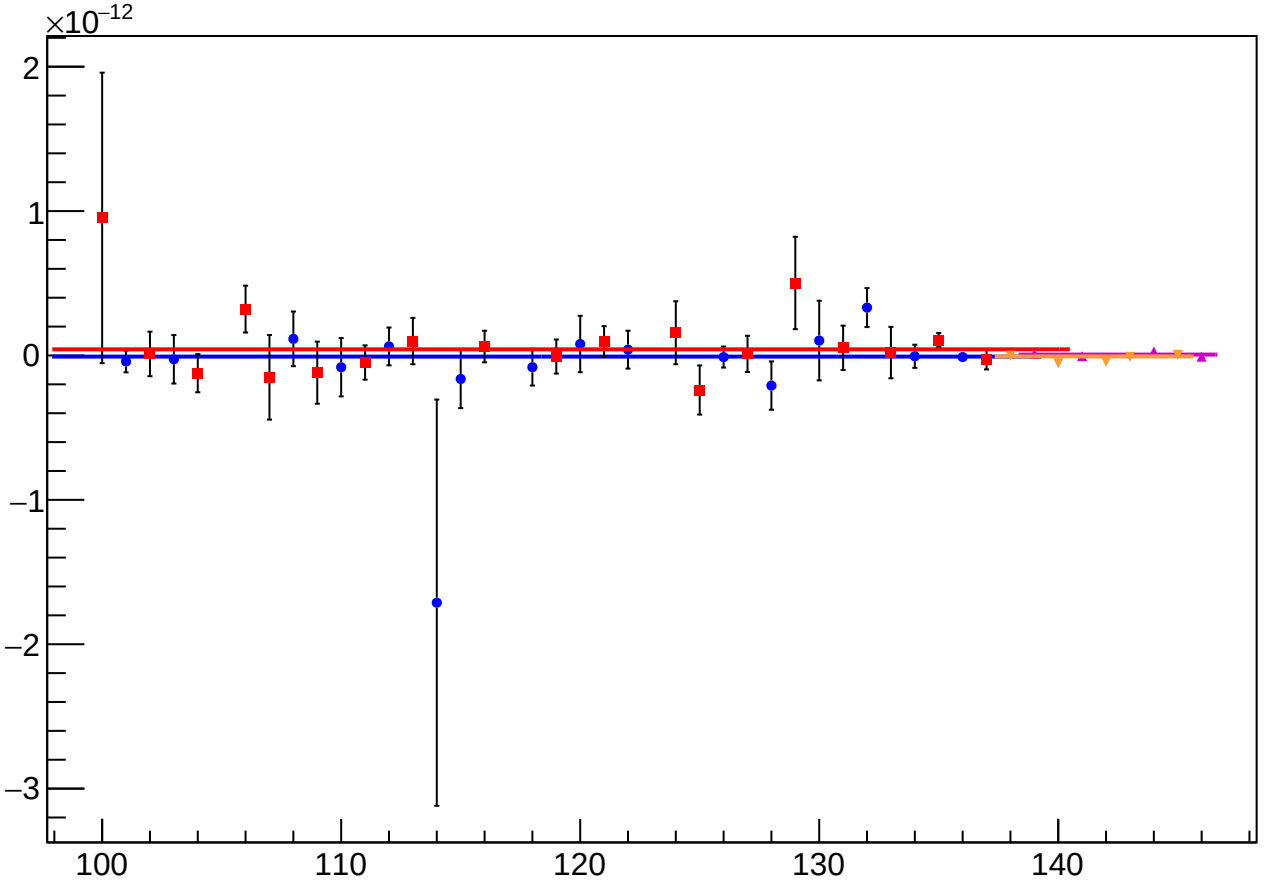
Left In: 474.578+/-0.187 χ^2/NDF:436194.7/3

+ sign 668.642+/-0.163 χ^2/NDF: 4684429.0/20

All: 663.962+/-0.115 χ^2/NDF: 10073012.1/43

- sign 659.273+/-0.163 χ^2/NDF: 5386928.2/22

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

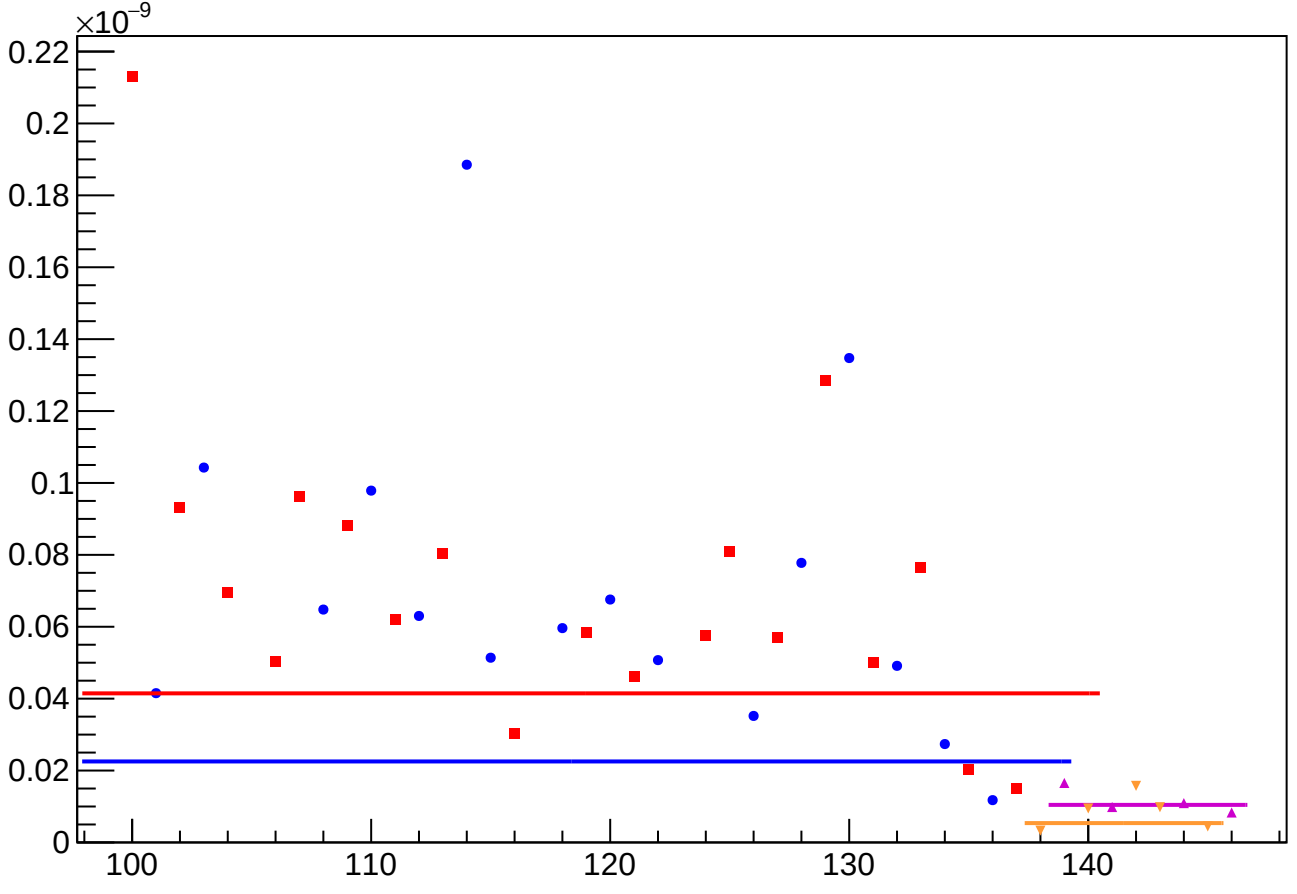
Left In: 0.000+/-0.000 χ^2/NDF:2.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/20

All: -0.000+/-0.000 χ^2/NDF: 44.3/43

- sign 0.000+/-0.000 χ^2/NDF: 20.0/22

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:499629.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

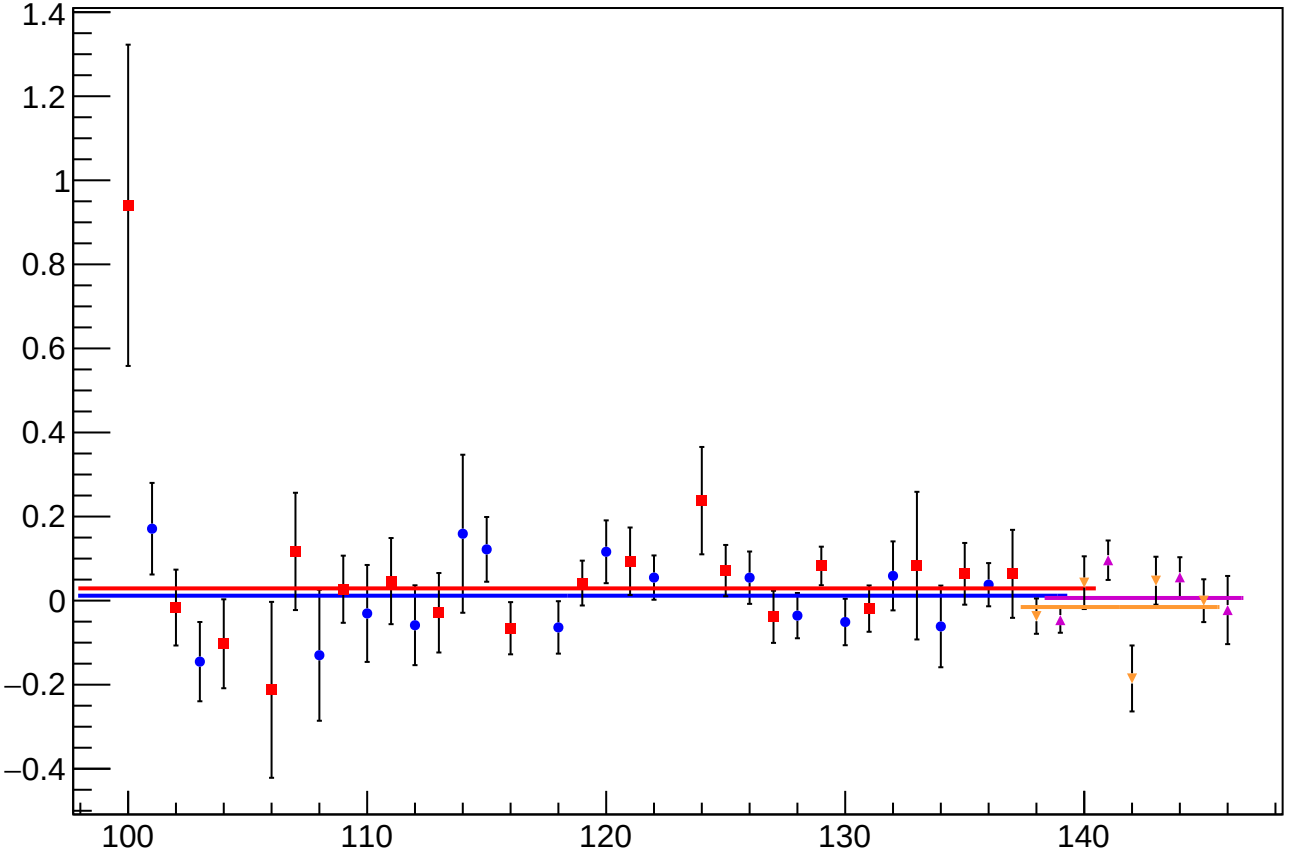
Left In: 0.000+/-0.000 χ^2/NDF:144790.2/3

+ sign 0.000+/-0.000 χ^2/NDF: 5103688.9/20

All: 0.000+/-0.000 χ^2/NDF: 10241666.2/43

- sign 0.000+/-0.000 χ^2/NDF: 4344374.7/22

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+/-0.024 χ^2/NDF:7.1/4

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

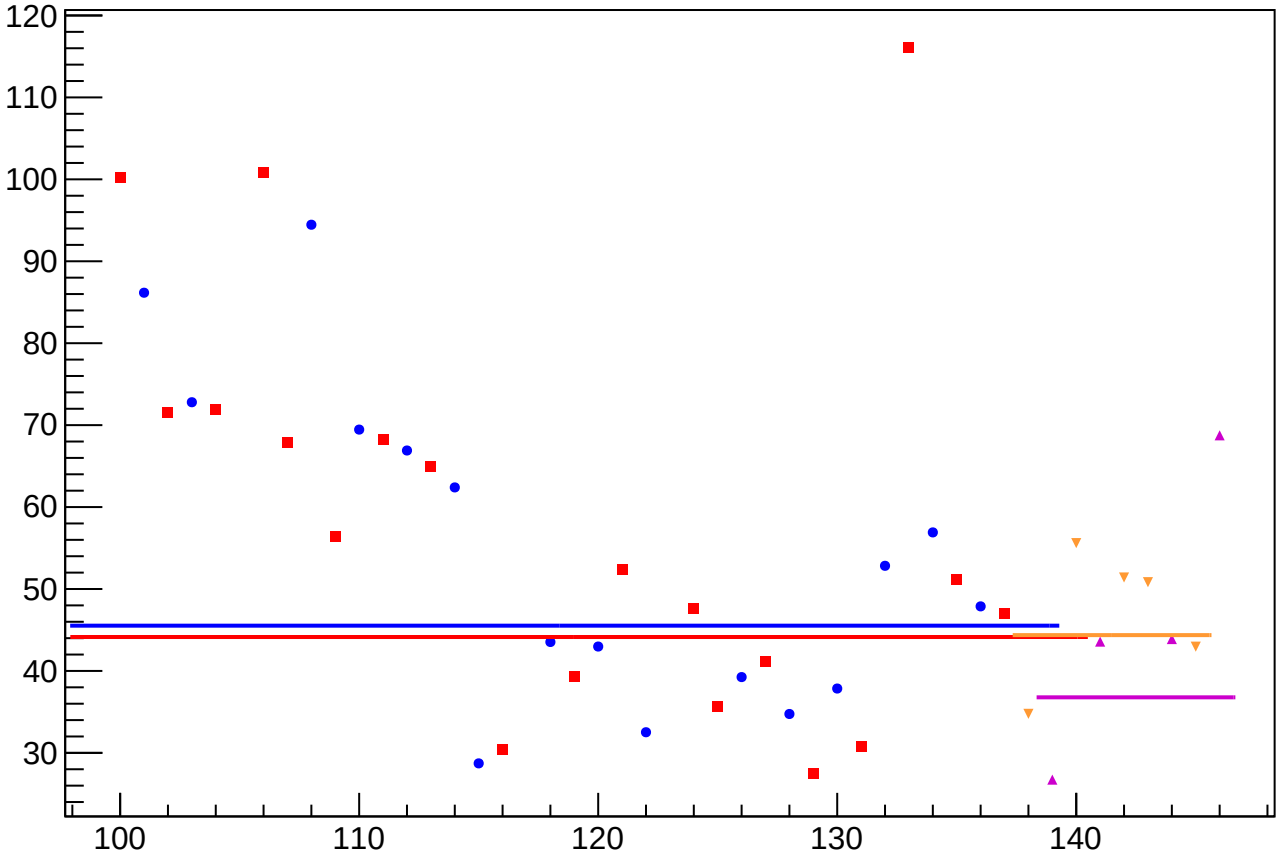
Left In: 0.006+/-0.022 χ^2/NDF:7.9/3

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/20

All: 0.011+/-0.010 χ^2/NDF: 53.6/43

- sign 0.020+/-0.014 χ^2/NDF: 28.1/22

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: 44.372+/-0.017 χ^2/NDF:211914.3/4

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

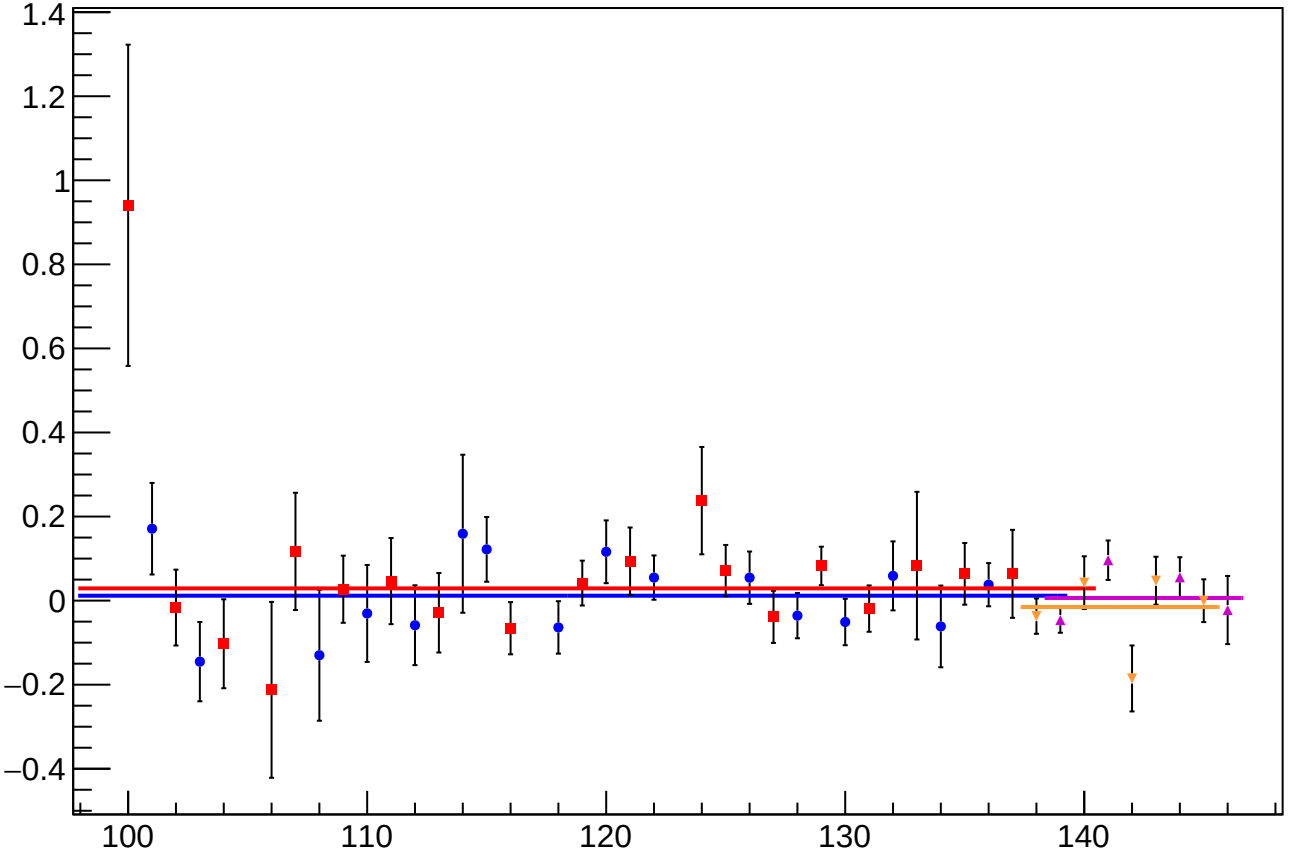
Left In: 36.778+/-0.015 χ^2/NDF:620008.5/3

+ sign 45.110+/-0.010 χ^2/NDF: 1468733.7/20

All: 43.002+/-0.007 χ^2/NDF: 4048103.1/43

- sign 41.142+/-0.010 χ^2/NDF: 2501514.2/22

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.015+/-0.024 χ^2/NDF:7.1/4

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

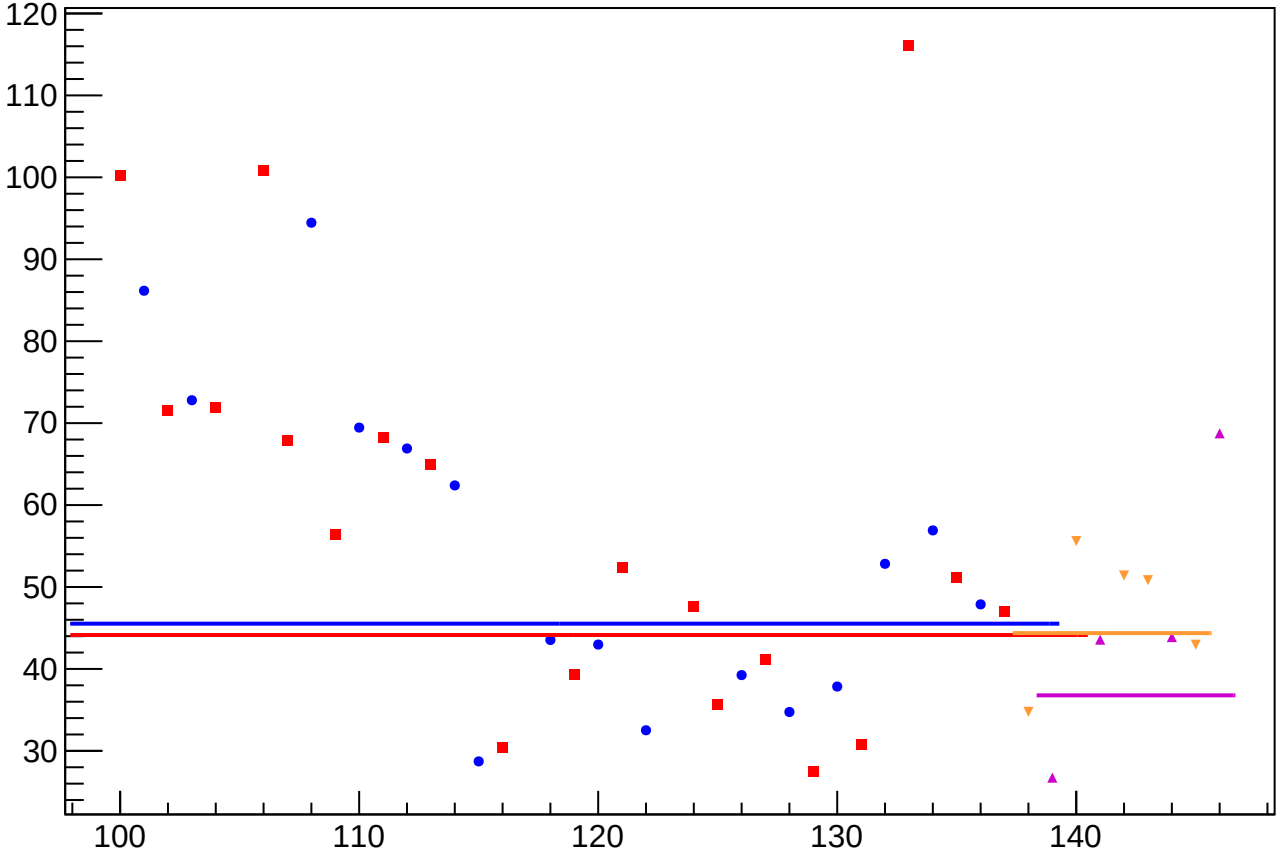
Left In: 0.006+/-0.022 χ^2/NDF:7.9/3

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/20

All: 0.011+/-0.010 χ^2/NDF: 53.6/43

- sign 0.020+/-0.014 χ^2/NDF: 28.1/22

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.372+/-0.017 χ^2/NDF:211914.3/4

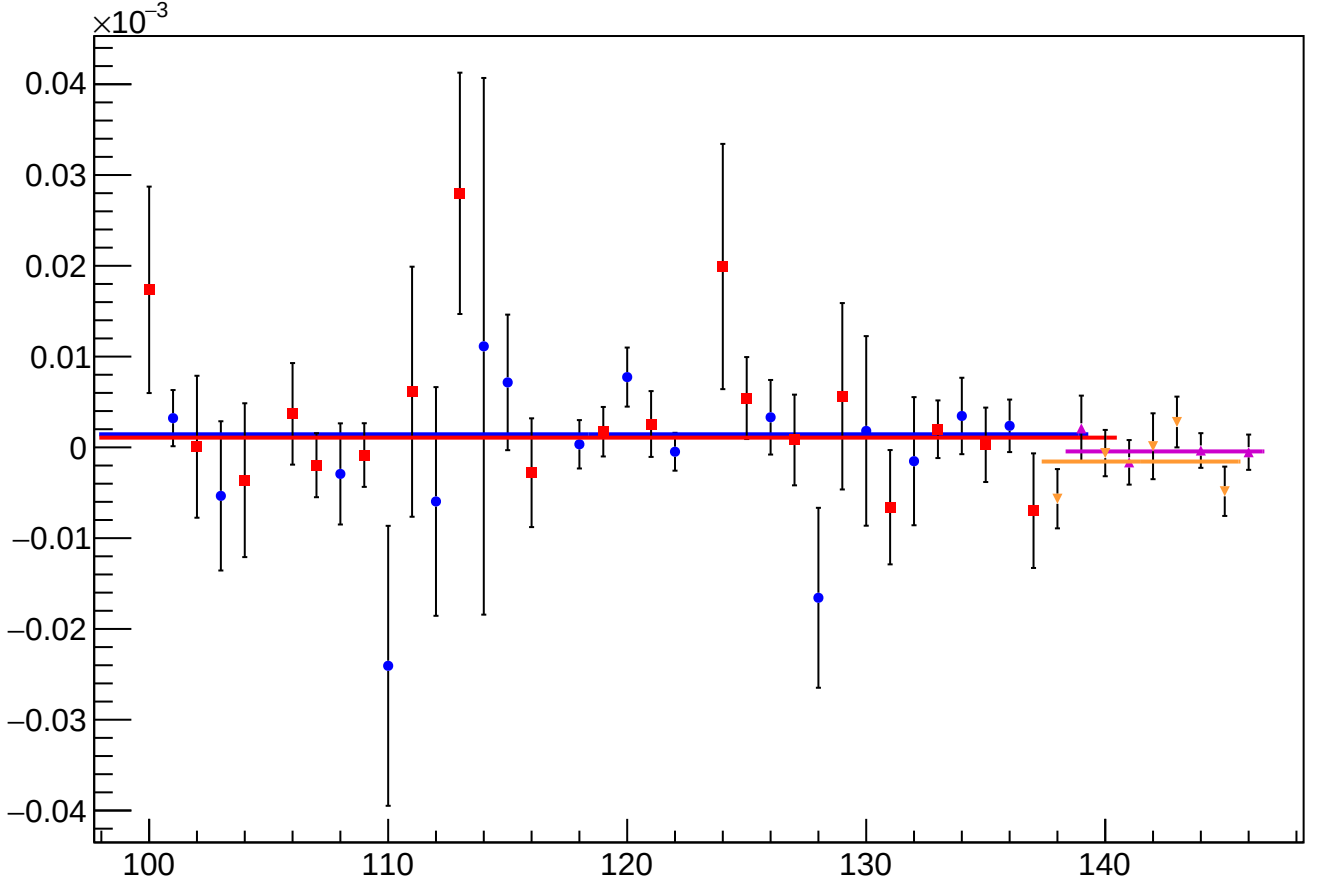
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 36.778+/-0.015 χ^2/NDF:620008.5/3

+ sign 45.110+/-0.010 χ^2/NDF: 1468733.7/20

All: 43.002+/-0.007 χ^2/NDF: 4048103.1/43

- sign 41.142+/-0.010 χ^2/NDF: 2501514.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/4

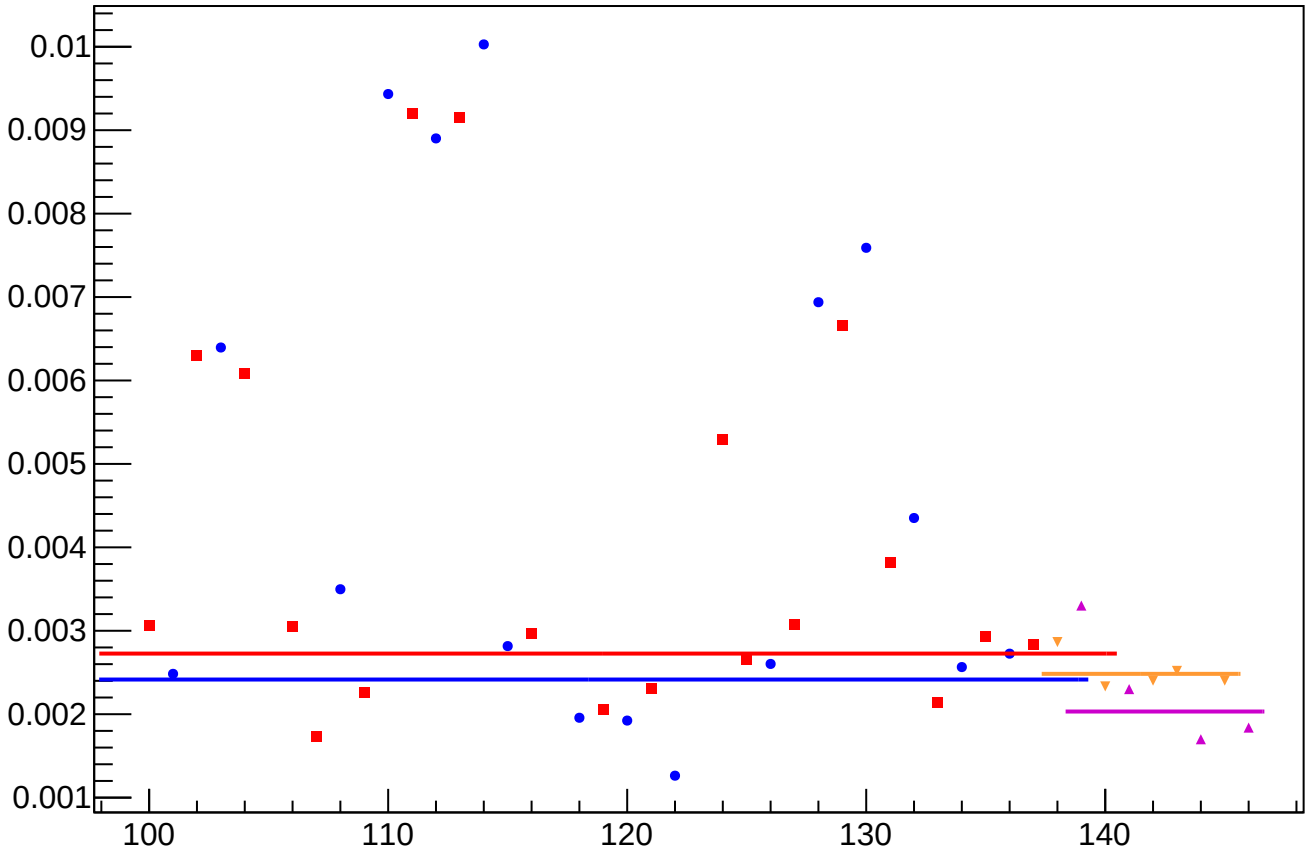
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/20

All: 0.000+/-0.000 χ^2/NDF: 39.7/43

- sign 0.000+/-0.000 χ^2/NDF: 16.5/22



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:37304.4/4

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

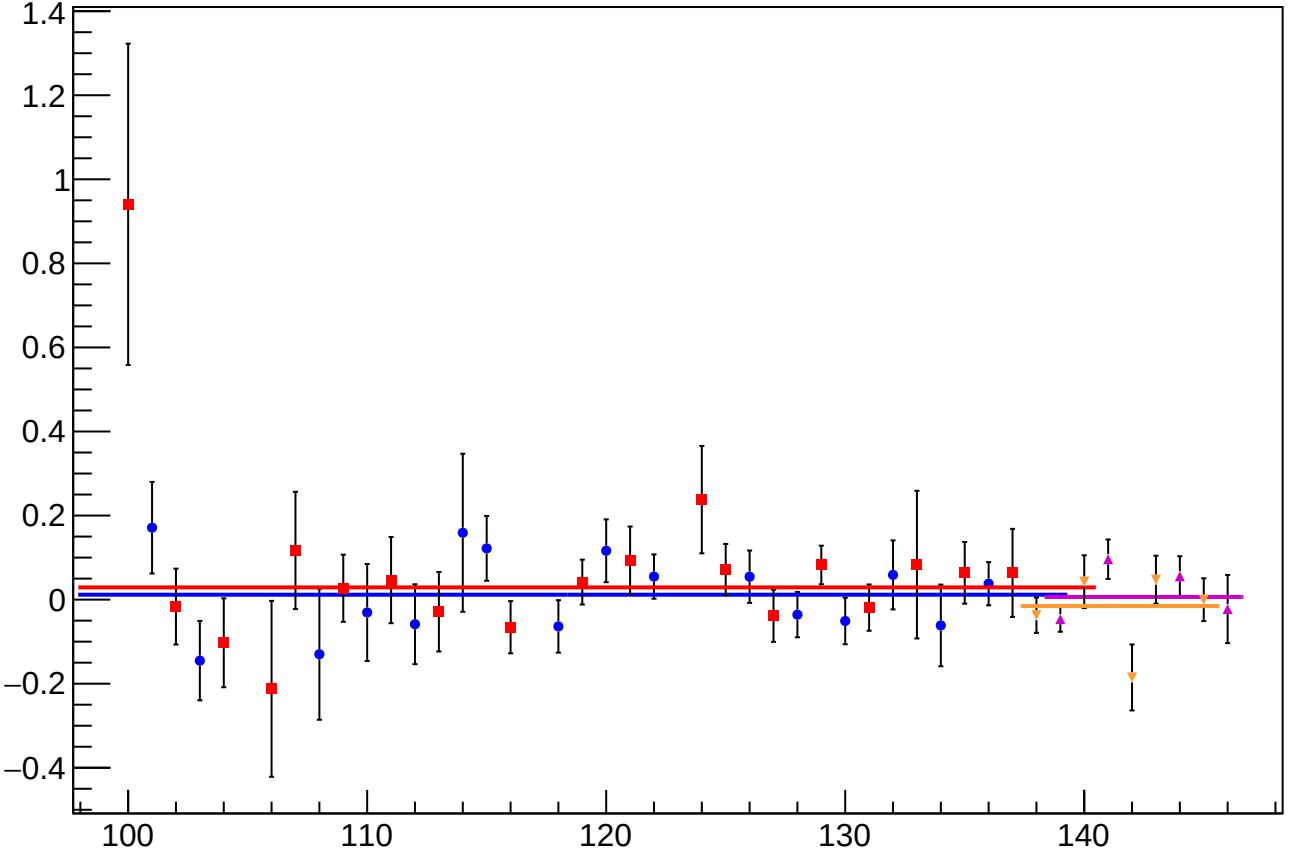
Left In: 0.002+/-0.000 χ^2/NDF:351949.7/3

+ sign 0.002+/-0.000 χ^2/NDF: 3472738.6/20

All: 0.002+/-0.000 χ^2/NDF: 6715407.2/43

- sign 0.002+/-0.000 χ^2/NDF: 3237132.7/22

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+/-0.024 χ^2/NDF:7.1/4

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

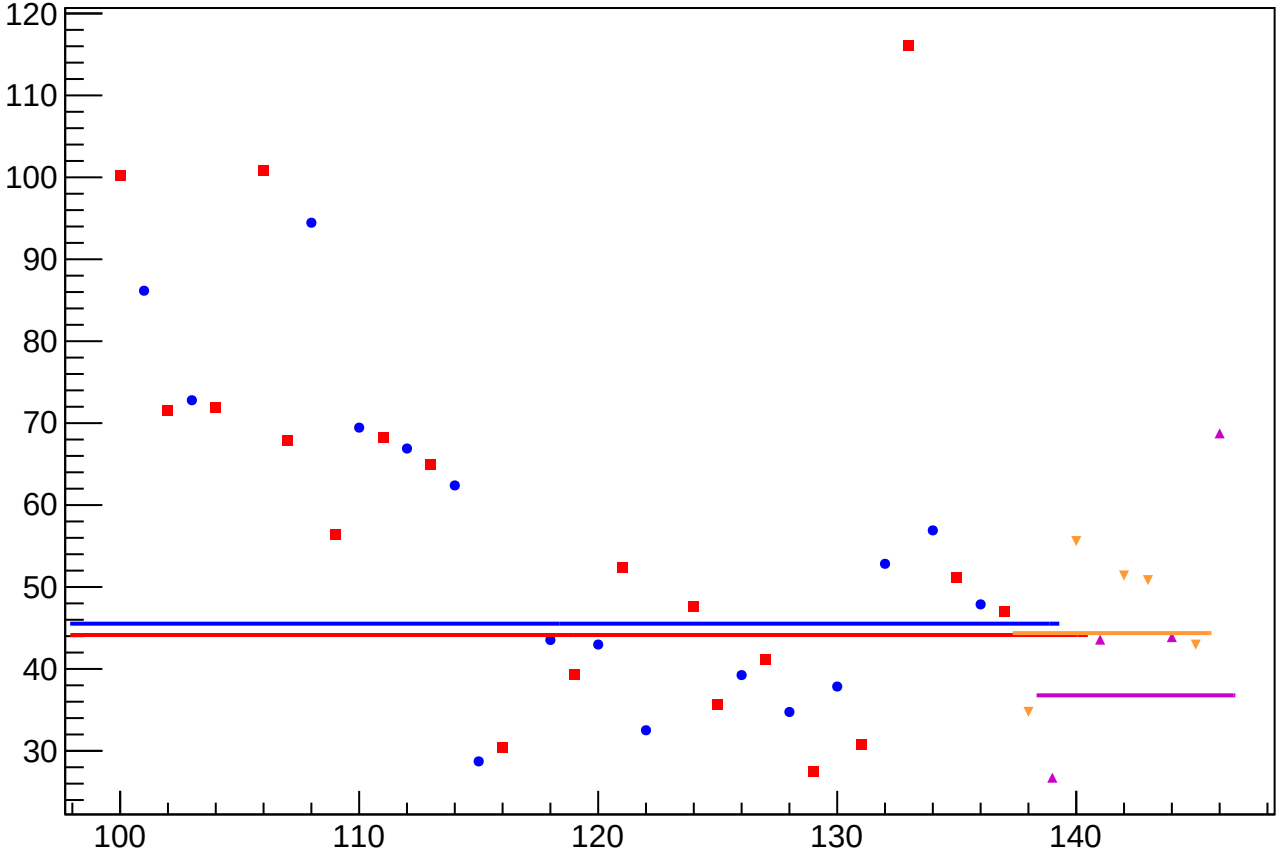
Left In: 0.006+/-0.022 χ^2/NDF:7.9/3

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/20

All: 0.011+/-0.010 χ^2/NDF: 53.6/43

- sign 0.020+/-0.014 χ^2/NDF: 28.1/22

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.372+/-0.017 χ^2/NDF:211928.8/4

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

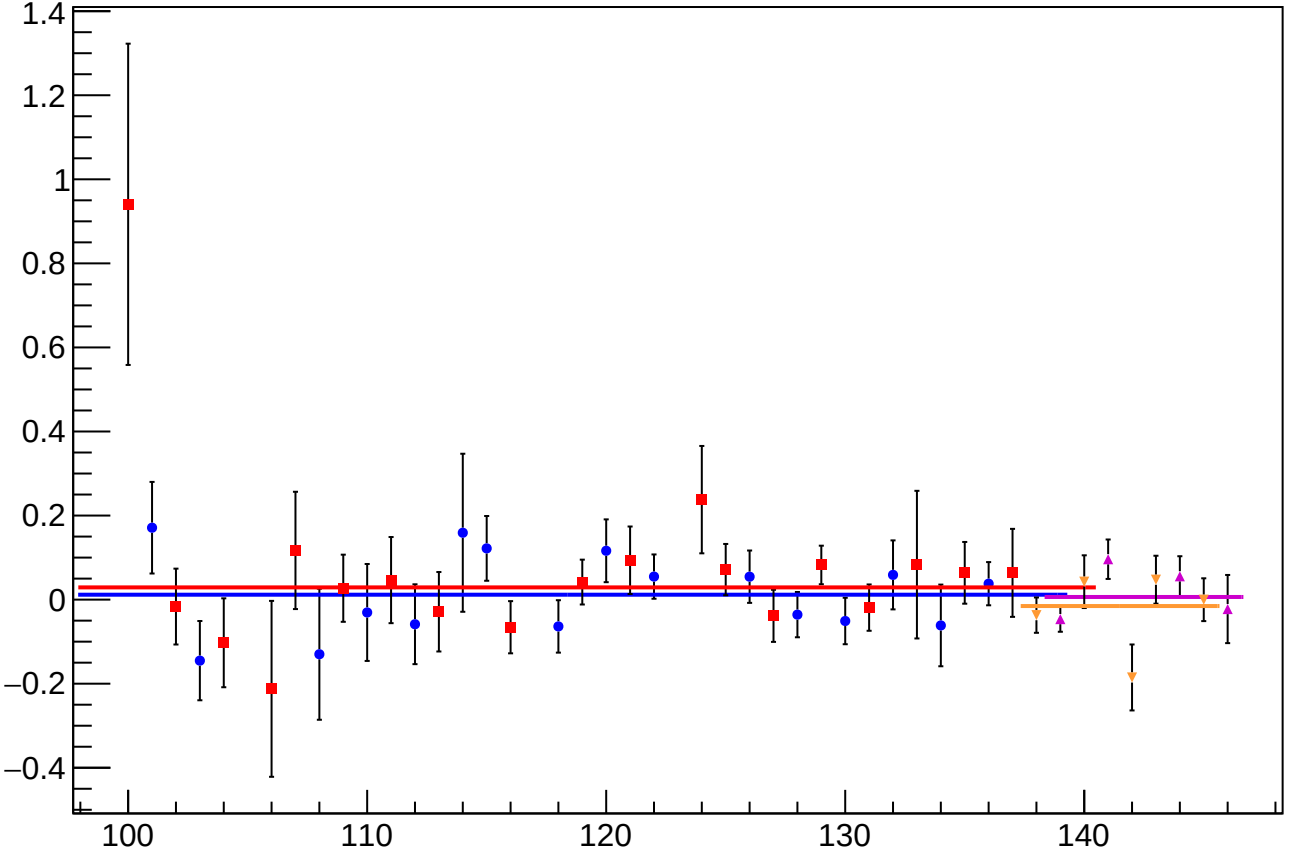
Left In: 36.778+/-0.015 χ^2/NDF:620025.1/3

+ sign 45.110+/-0.010 χ^2/NDF: 1468701.2/20

All: 43.003+/-0.007 χ^2/NDF: 4048003.2/43

- sign 41.143+/-0.010 χ^2/NDF: 2501454.7/22

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.015+/-0.024 χ^2/NDF:7.1/4

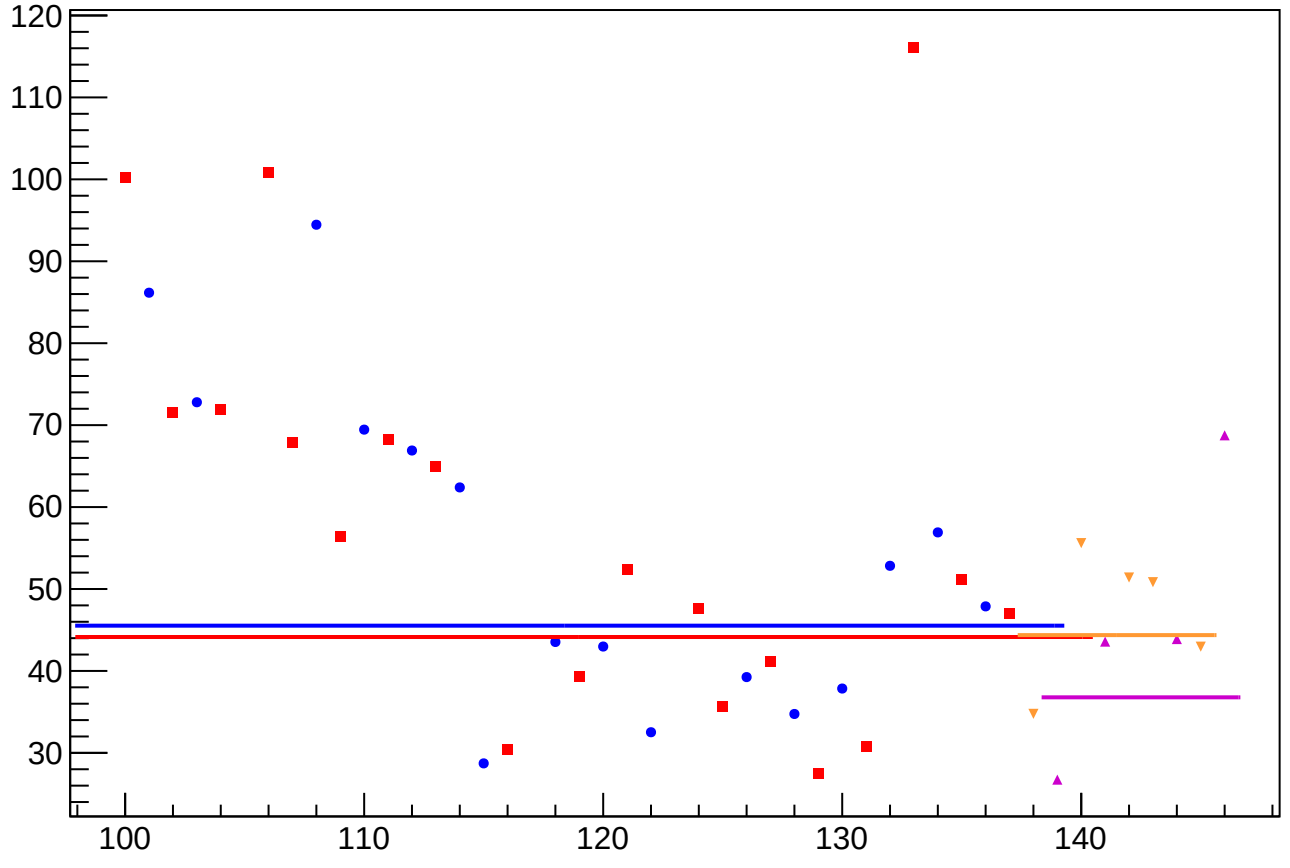
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.022 χ^2/NDF:7.9/3

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/20

All: 0.011+/-0.010 χ^2/NDF: 53.6/43

- sign 0.020+/-0.014 χ^2/NDF: 28.1/22



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.372+/-0.017 χ^2/NDF:211928.8/4

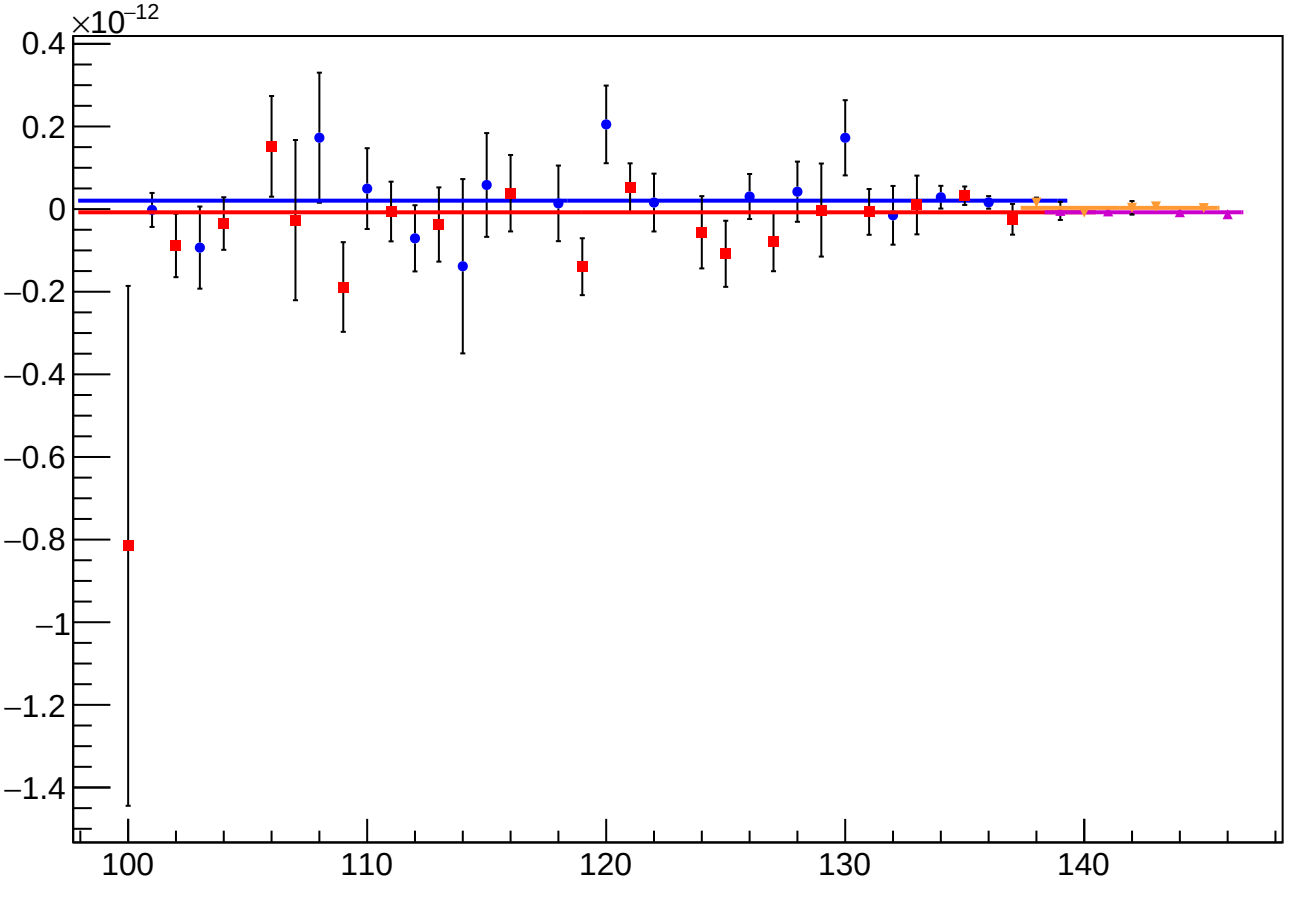
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 36.778+/-0.015 χ^2/NDF:620025.1/3

+ sign 45.110+/-0.010 χ^2/NDF: 1468701.2/20

All: 43.003+/-0.007 χ^2/NDF: 4048003.2/43

- sign 41.143+/-0.010 χ^2/NDF: 2501454.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

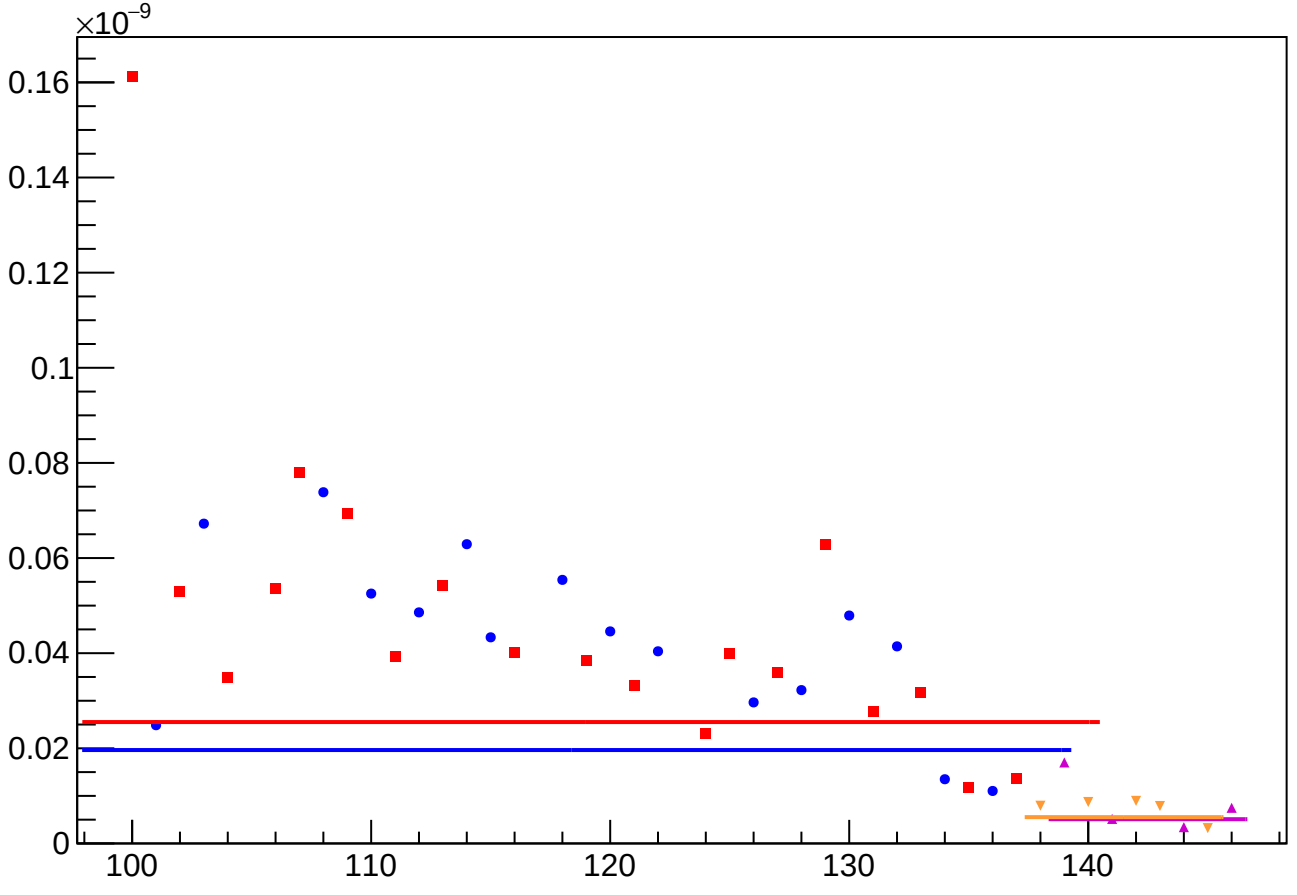
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/20

All: -0.000+/-0.000 χ^2/NDF: 40.5/43

- sign -0.000+/-0.000 χ^2/NDF: 19.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:758699.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

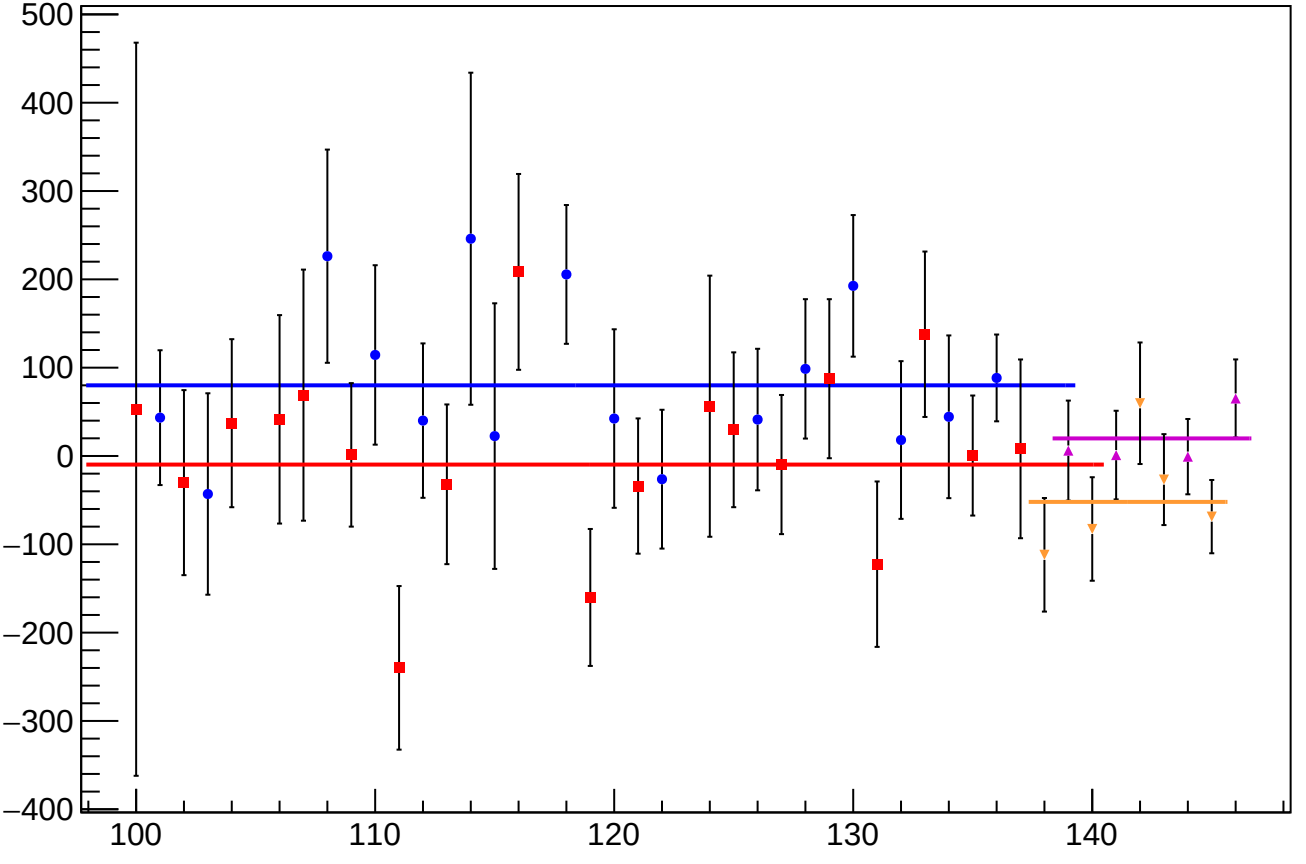
Left In: 0.000+/-0.000 χ^2/NDF:874760.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 6804505.9/20

All: 0.000+/-0.000 χ^2/NDF: 14456200.2/43

- sign 0.000+/-0.000 χ^2/NDF: 7642964.3/22

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -51.981+/-24.235 χ^2/NDF:4.2/4

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

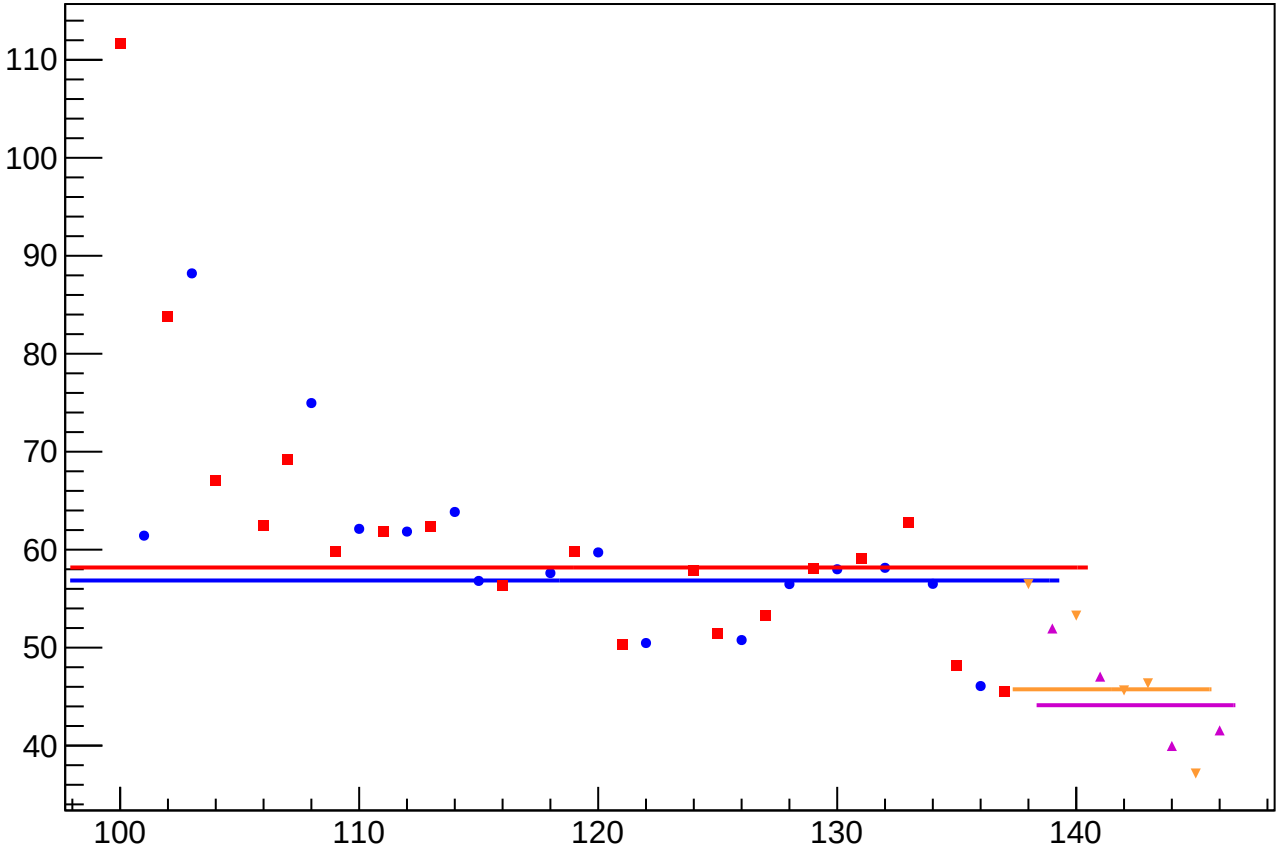
Left In: 19.883+/-23.765 χ^2/NDF:1.5/3

+ sign 21.948+/-16.072 χ^2/NDF: 32.3/20

All: 12.767+/-11.336 χ^2/NDF: 55.7/43

- sign 3.678+/-15.991 χ^2/NDF: 22.7/22

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 45.746+/-0.017 χ^2/NDF:174814.2/4

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

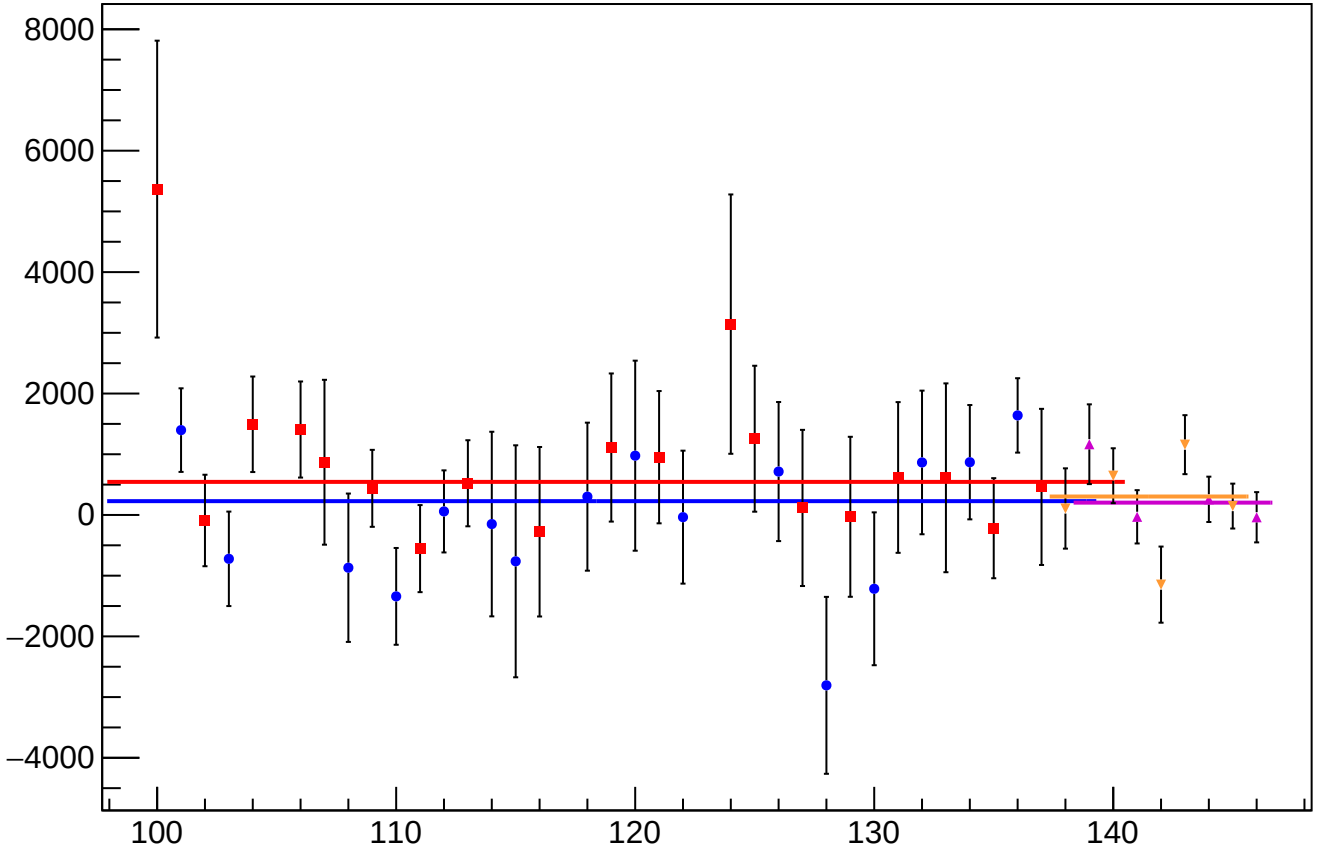
Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

+ sign 51.968+/-0.011 χ^2/NDF: 751799.4/20

All: 51.892+/-0.008 χ^2/NDF: 1520354.3/43

- sign 51.816+/-0.011 χ^2/NDF: 768464.7/22

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 303.743+/-216.800 χ^2/NDF:9.3/4

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

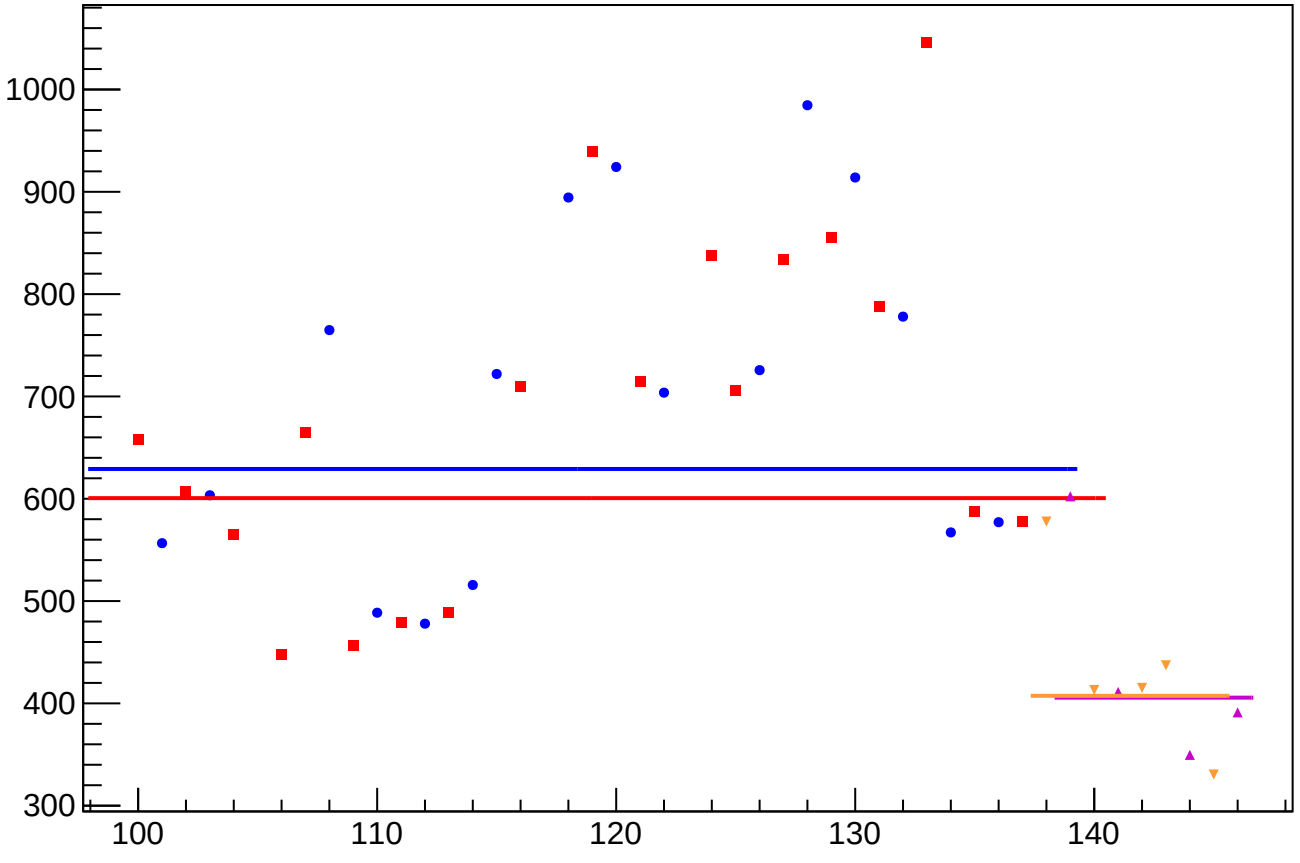
Left In: 203.061+/-220.798 χ^2/NDF:2.8/3

+ sign 269.680+/-161.247 χ^2/NDF: 31.0/20

All: 320.238+/-112.983 χ^2/NDF: 48.5/43

- sign 369.001+/-158.357 χ^2/NDF: 17.3/22

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 407.411+/-0.153 χ^2/NDF:227368.6/4

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

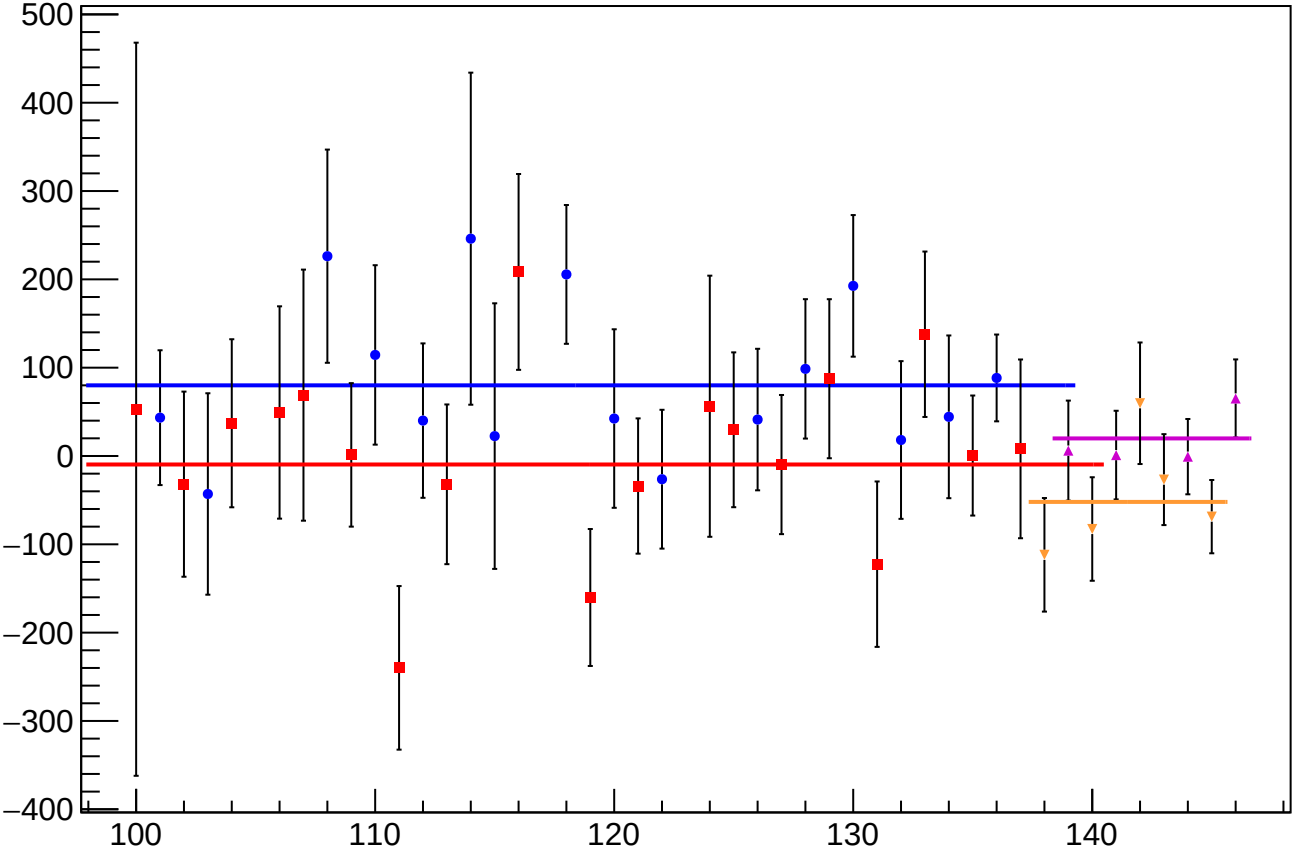
Left In: 405.596+/-0.156 χ^2/NDF:226970.9/3

+ sign 506.465+/-0.114 χ^2/NDF: 1854465.4/20

All: 503.322+/-0.080 χ^2/NDF: 3715061.4/43

- sign 500.290+/-0.112 χ^2/NDF: 1859103.0/22

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -51.988+/-24.235 χ^2/NDF:4.2/4

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

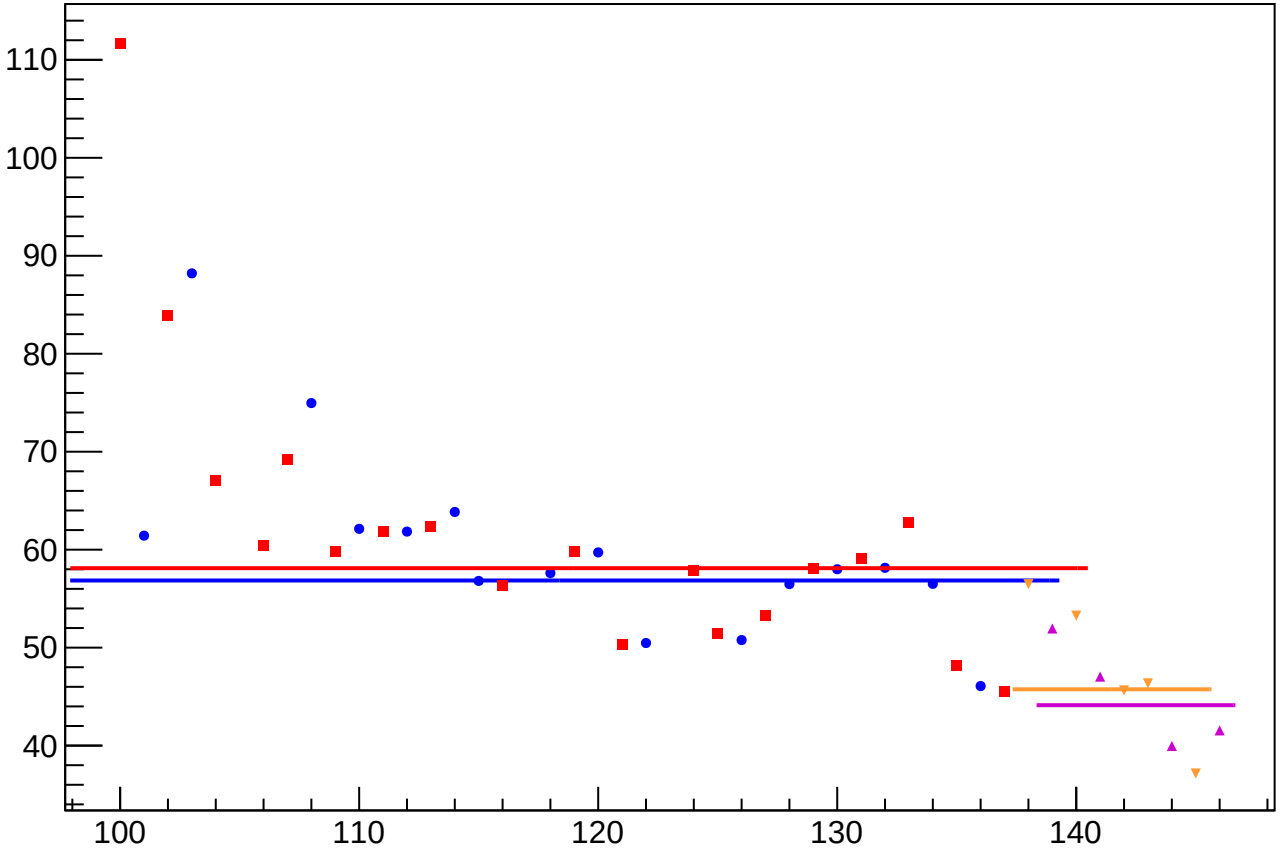
Left In: 19.889+/-23.765 χ^2/NDF:1.5/3

\+ sign 21.947+/-16.072 χ^2/NDF: 32.3/20

All: 12.806+/-11.338 χ^2/NDF: 55.7/43

\- sign 3.751+/-15.997 χ^2/NDF: 22.7/22

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 45.746+/-0.017 χ^2/NDF:174814.2/4

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

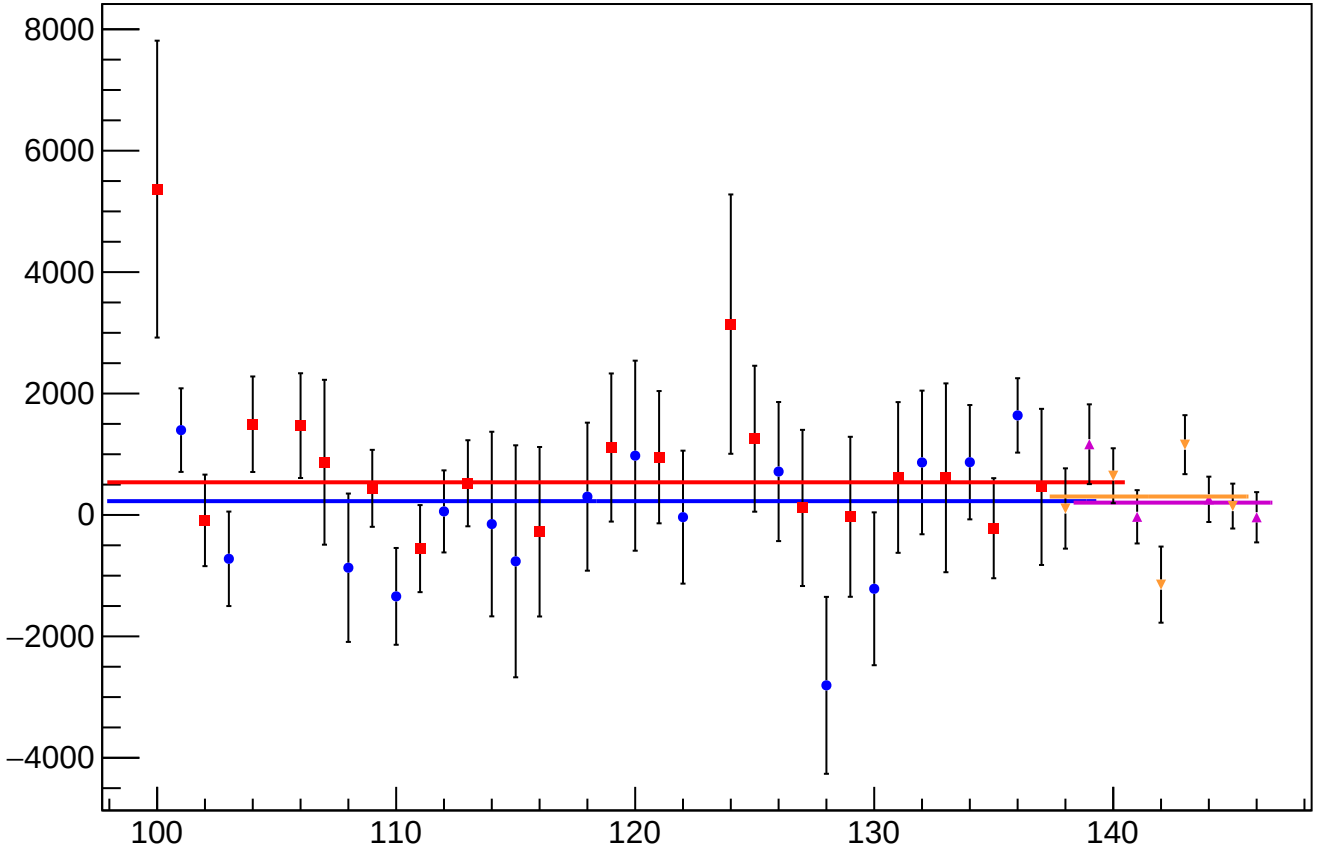
Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

+ sign 51.968+/-0.011 χ^2/NDF: 751803.3/20

All: 51.870+/-0.008 χ^2/NDF: 1514635.0/43

- sign 51.773+/-0.011 χ^2/NDF: 762683.2/22

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 303.736+/-216.800 χ^2/NDF:9.3/4

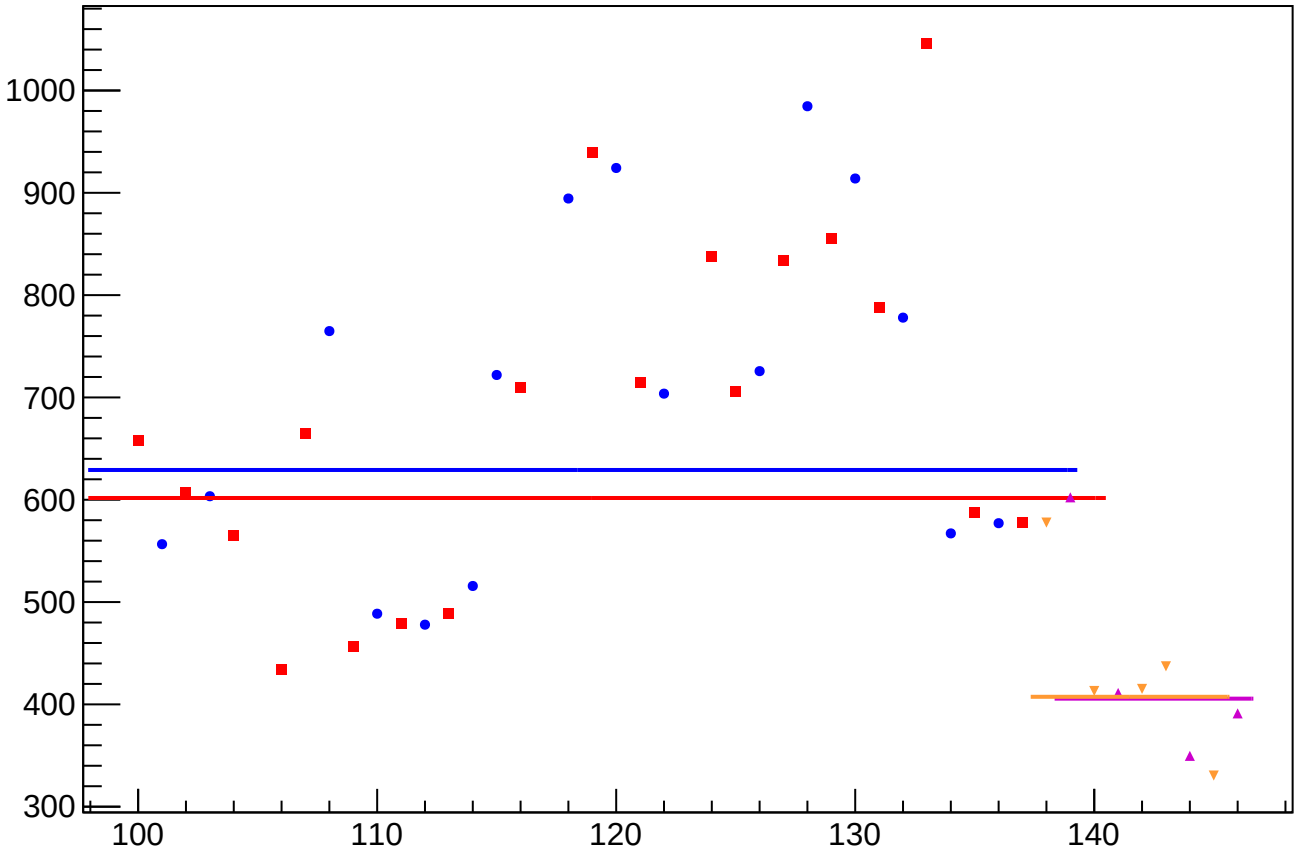
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 203.068+/-220.798 χ^2/NDF:2.8/3

\+ sign 269.693+/-161.247 χ^2/NDF: 31.0/20

All: 317.885+/-113.168 χ^2/NDF: 48.4/43

\- sign 364.665+/-158.866 χ^2/NDF: 17.2/22



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 407.411+/-0.153 χ^2/NDF:227368.3/4

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

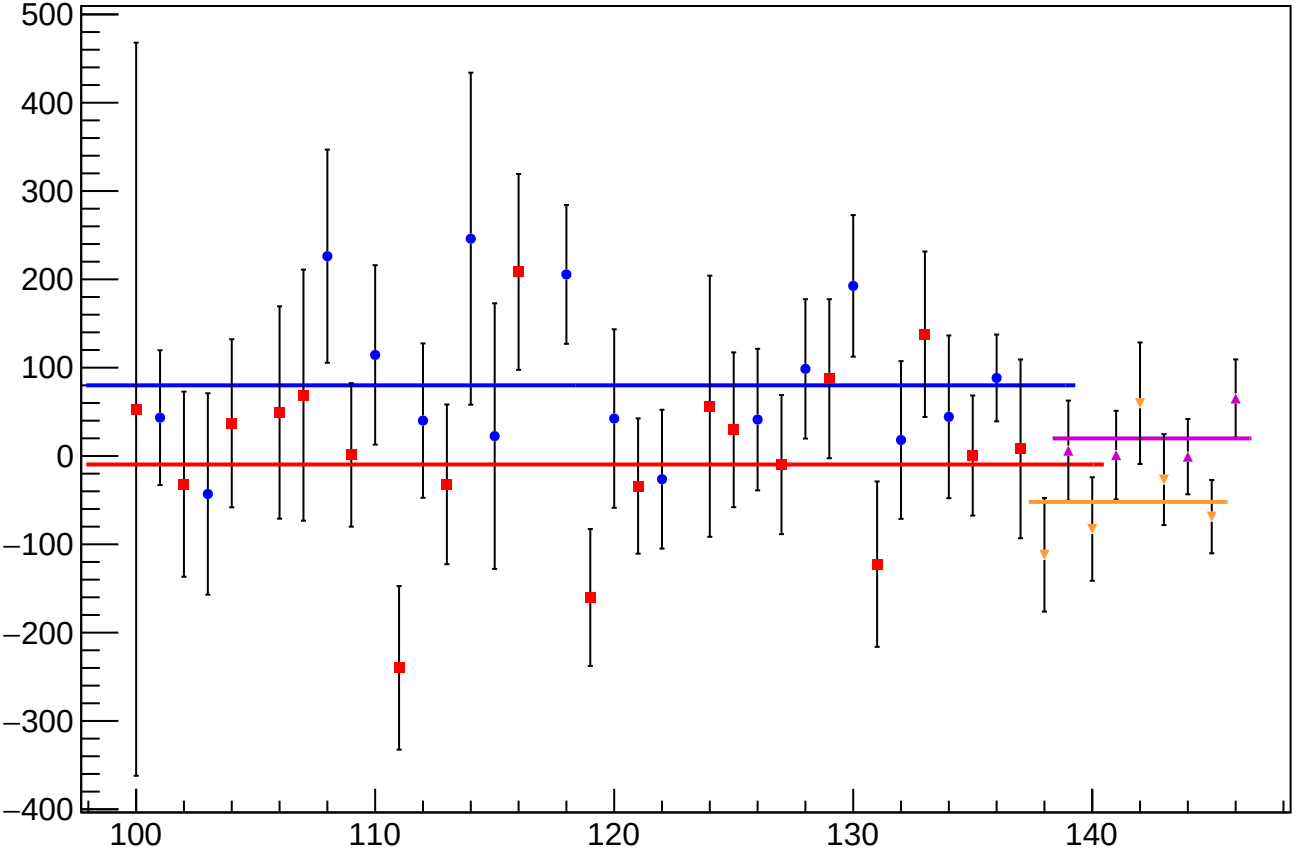
Left In: 405.596+/-0.156 χ^2/NDF:226970.2/3

+ sign 506.466+/-0.114 χ^2/NDF: 1854492.3/20

All: 503.281+/-0.080 χ^2/NDF: 3718118.4/43

- sign 500.188+/-0.112 χ^2/NDF: 1862087.8/22

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -51.988+/-24.235 χ^2/NDF:4.2/4

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

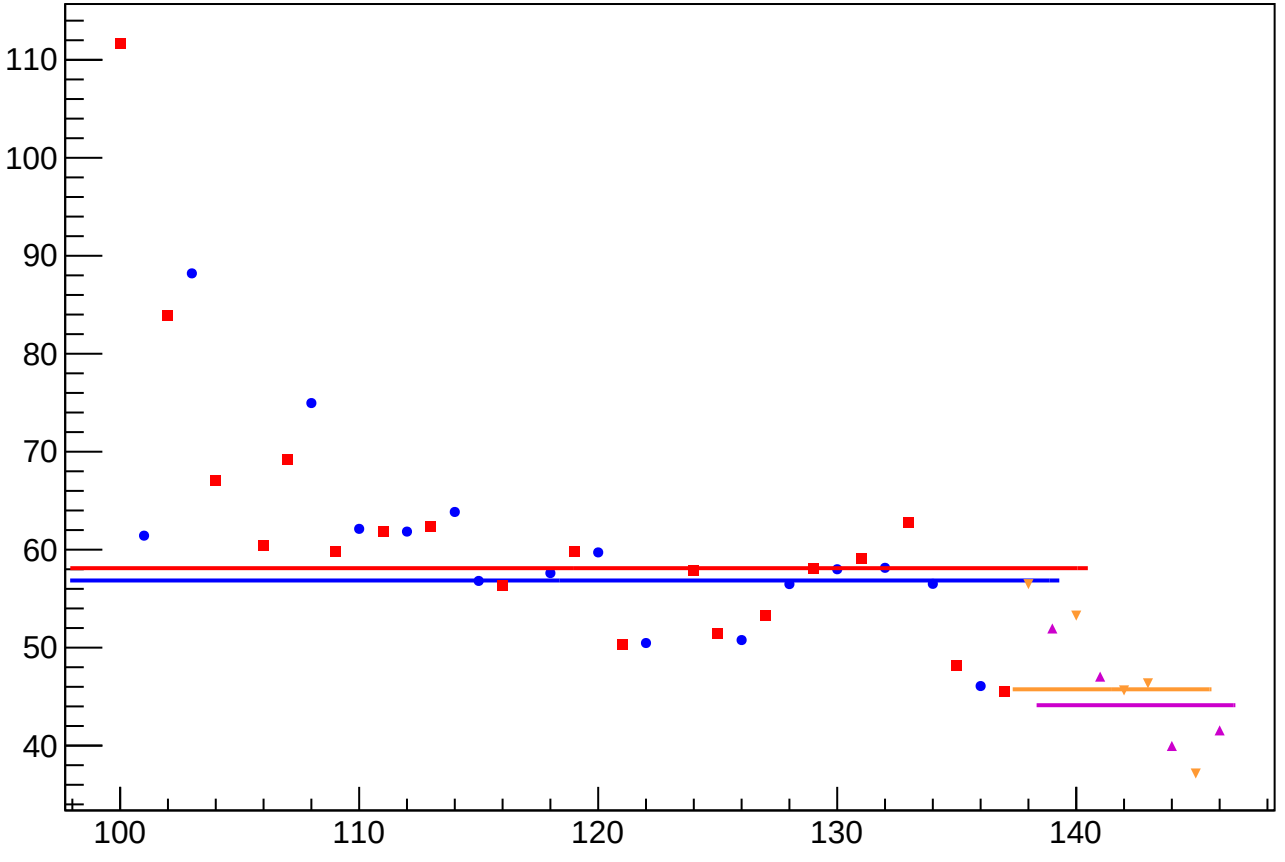
Left In: 19.889+/-23.765 χ^2/NDF:1.5/3

+ sign 21.947+/-16.072 χ^2/NDF: 32.3/20

All: 12.806+/-11.338 χ^2/NDF: 55.7/43

- sign 3.751+/-15.997 χ^2/NDF: 22.7/22

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 45.746+/-0.017 χ^2/NDF:174814.2/4

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

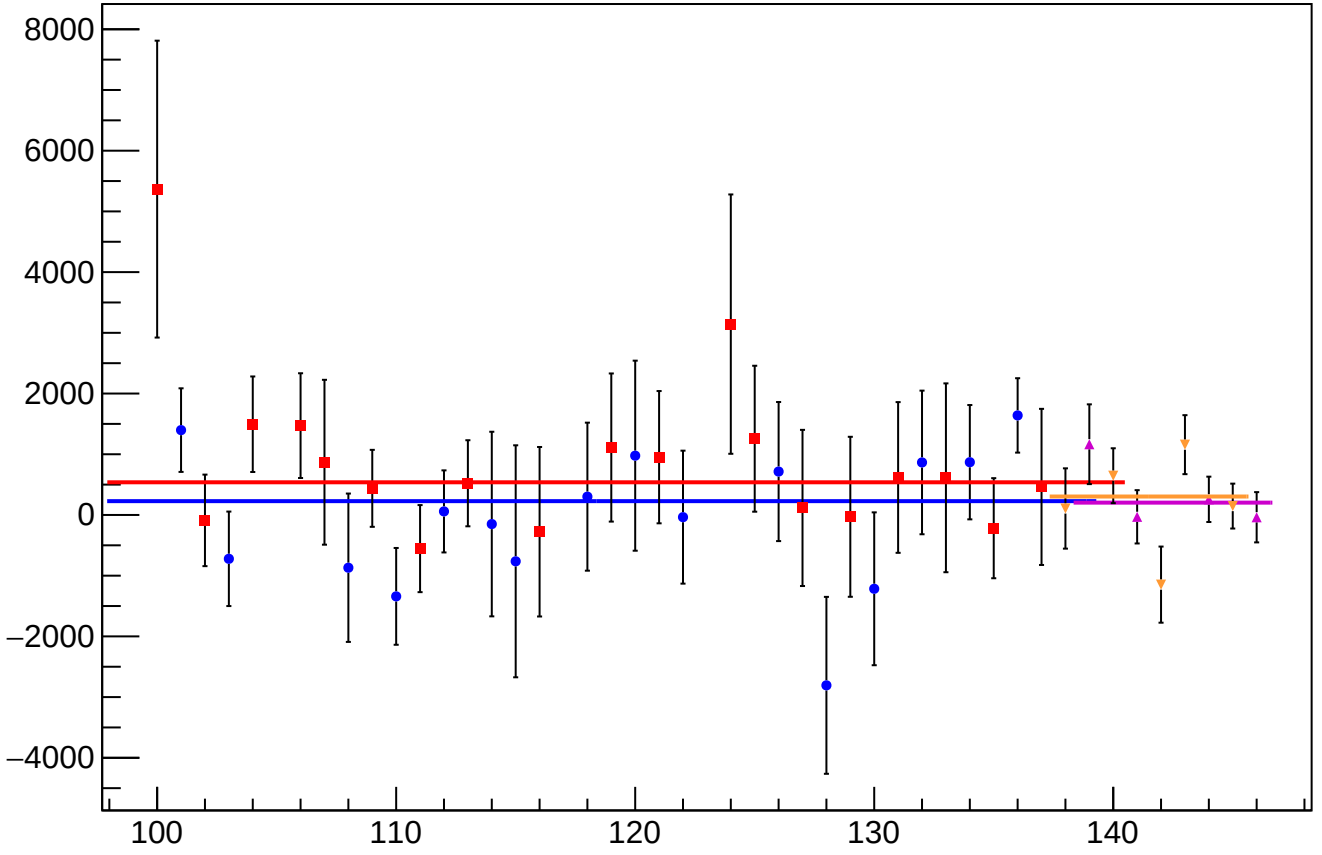
Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

+ sign 51.968+/-0.011 χ^2/NDF: 751803.3/20

All: 51.870+/-0.008 χ^2/NDF: 1514635.0/43

- sign 51.773+/-0.011 χ^2/NDF: 762683.2/22

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 303.736+/-216.800 χ^2/NDF:9.3/4

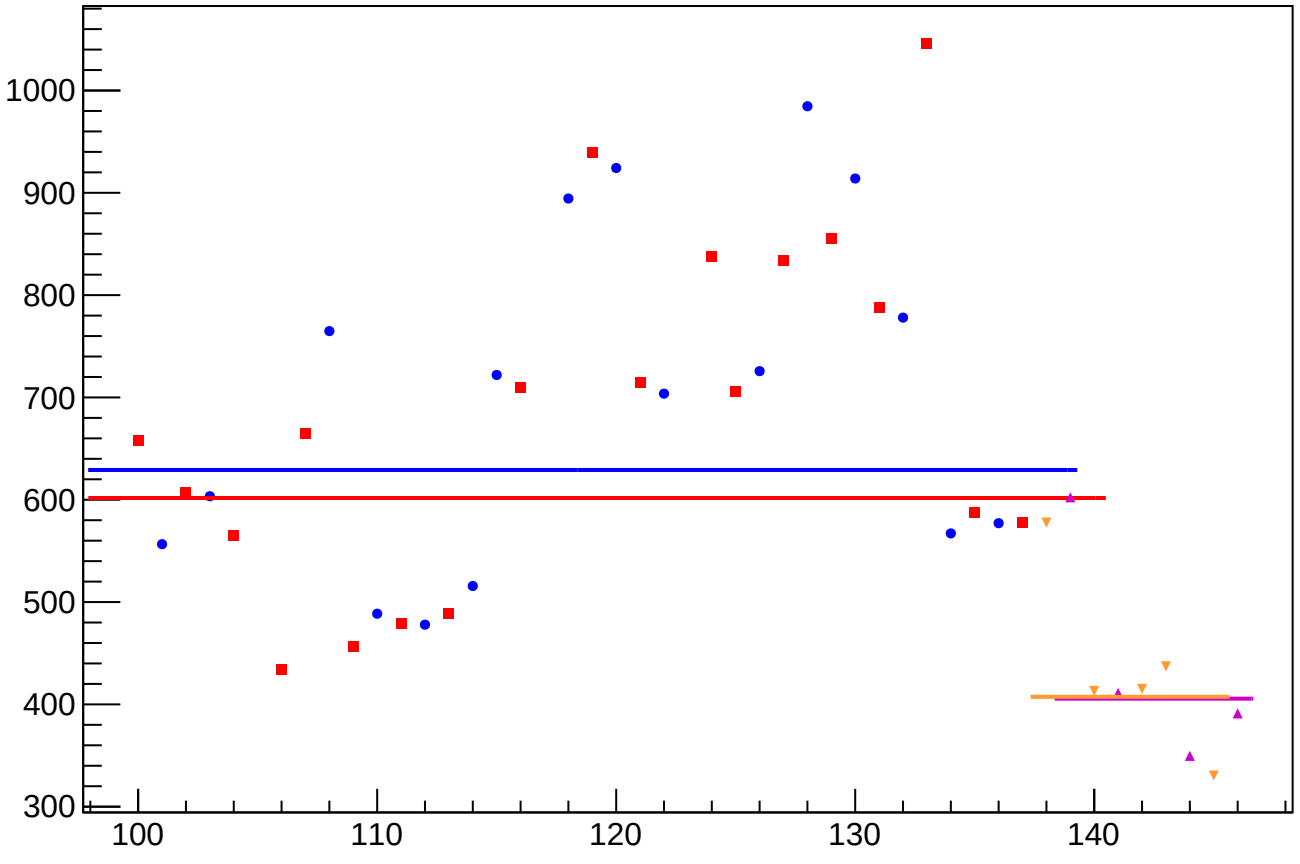
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 203.068+/-220.798 χ^2/NDF:2.8/3

\+ sign 269.693+/-161.247 χ^2/NDF: 31.0/20

All: 317.885+/-113.168 χ^2/NDF: 48.4/43

\- sign 364.665+/-158.866 χ^2/NDF: 17.2/22



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 407.411+/-0.153 χ^2/NDF:227368.3/4

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

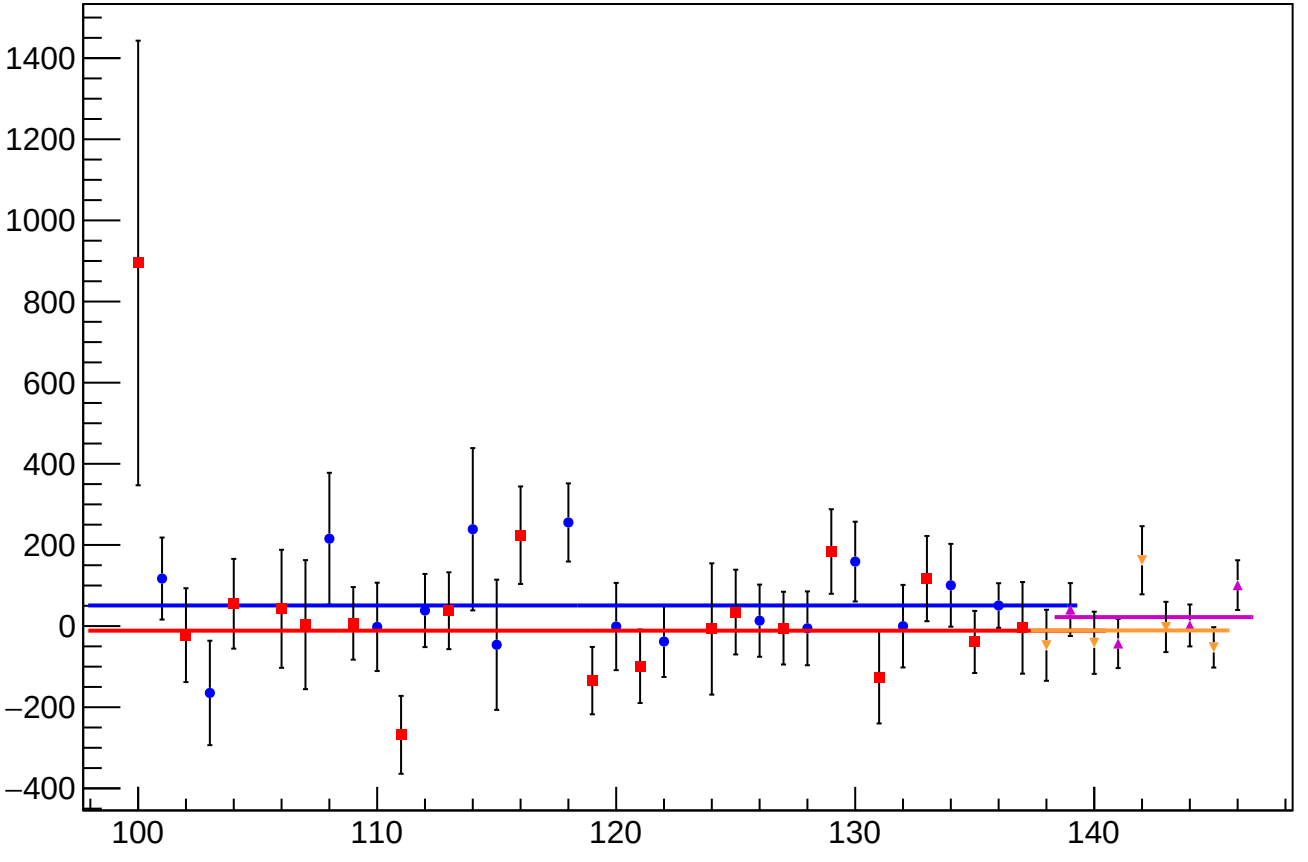
Left In: 405.596+/-0.156 χ^2/NDF:226970.2/3

+ sign 506.466+/-0.114 χ^2/NDF: 1854492.3/20

All: 503.281+/-0.080 χ^2/NDF: 3718118.4/43

- sign 500.188+/-0.112 χ^2/NDF: 1862087.8/22

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.750+/-30.068 χ^2/NDF:5.3/4

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

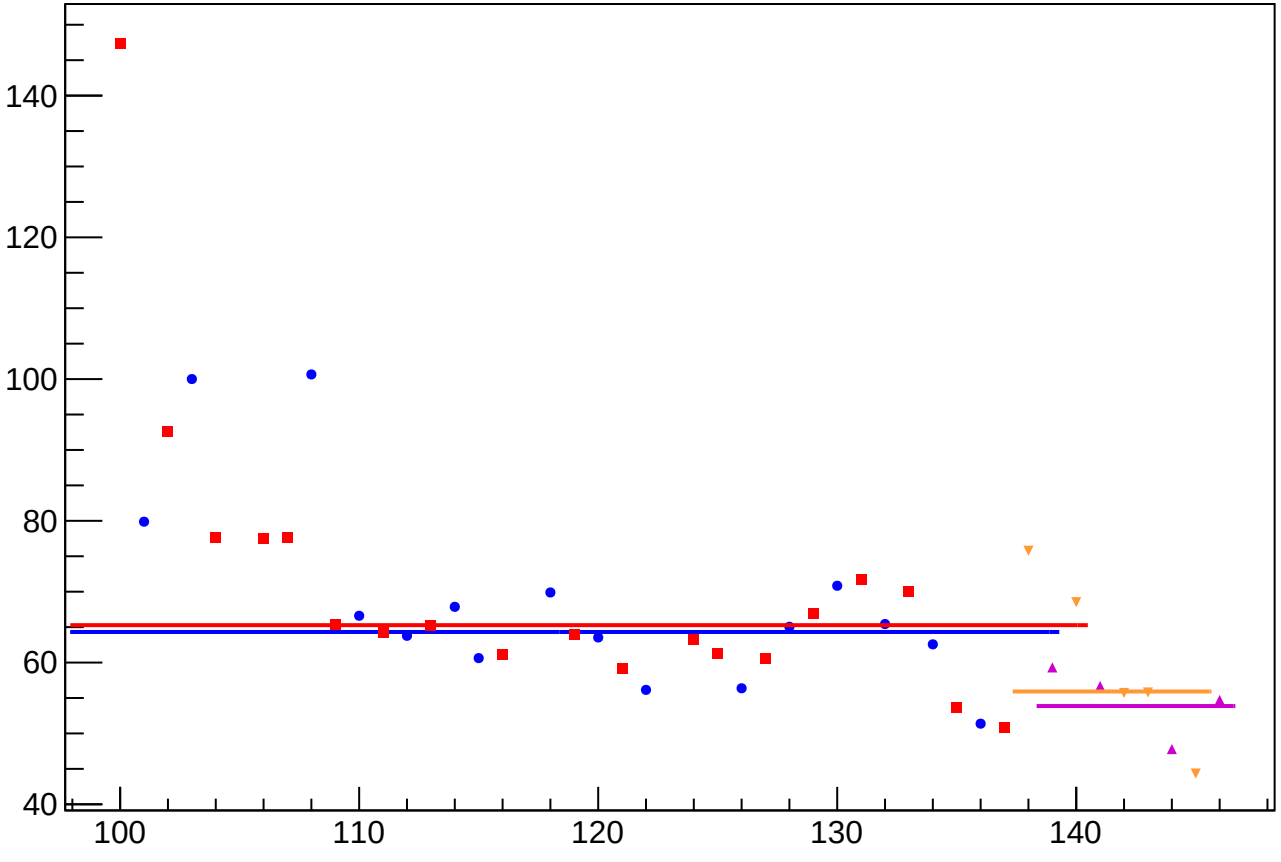
Left In: 22.110+/-29.511 χ^2/NDF:3.0/3

+ sign 26.287+/-18.990 χ^2/NDF: 21.6/20

All: 14.123+/-13.349 χ^2/NDF: 50.3/43

- sign 2.239+/-18.770 χ^2/NDF: 27.8/22

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.919+/-0.021 χ^2/NDF:265034.0/4

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

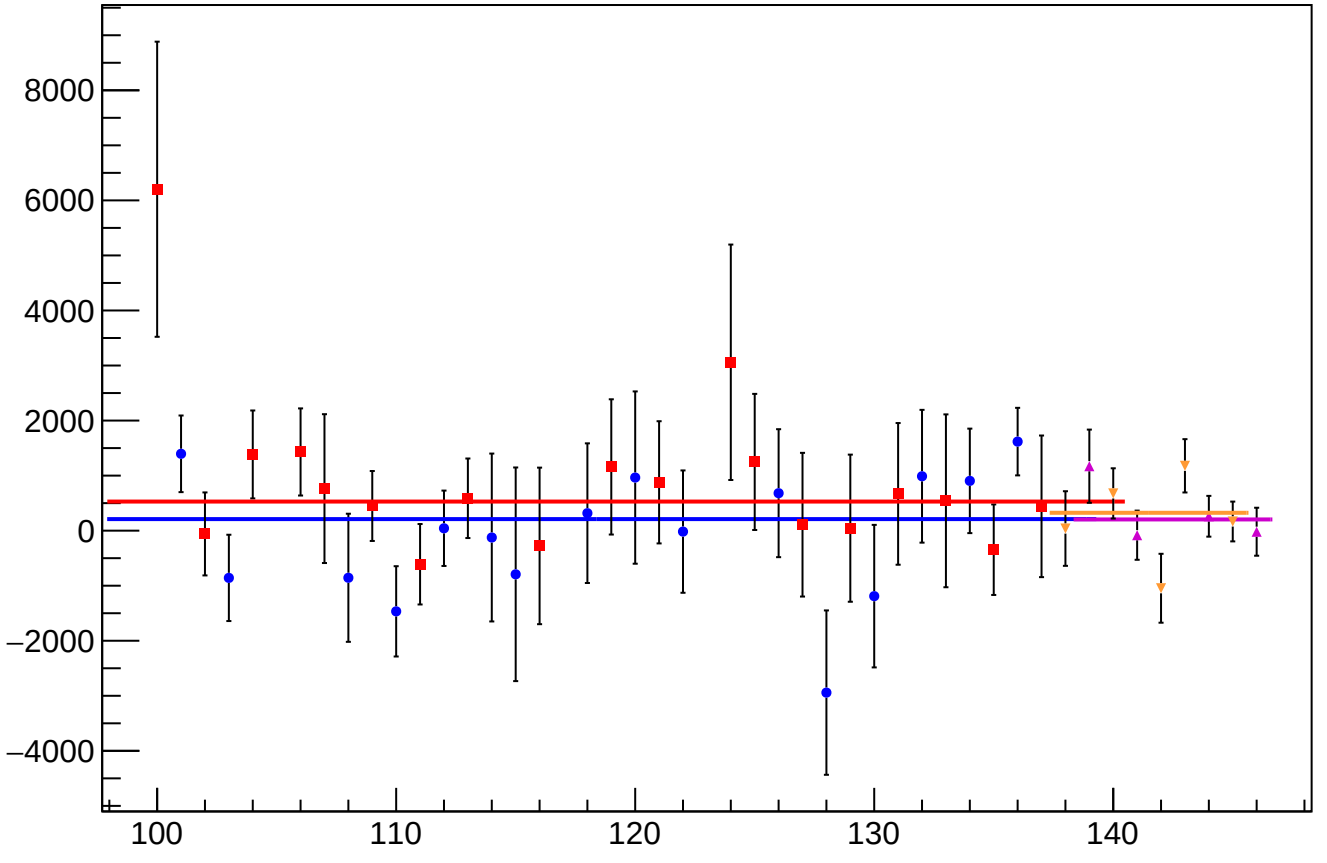
Left In: 53.864+/-0.021 χ^2/NDF:46400.9/3

+ sign 60.967+/-0.013 χ^2/NDF: 823779.7/20

All: 60.812+/-0.009 χ^2/NDF: 1367724.0/43

- sign 60.660+/-0.013 χ^2/NDF: 543679.7/22

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 324.552+/-215.914 χ^2/NDF:8.9/4

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

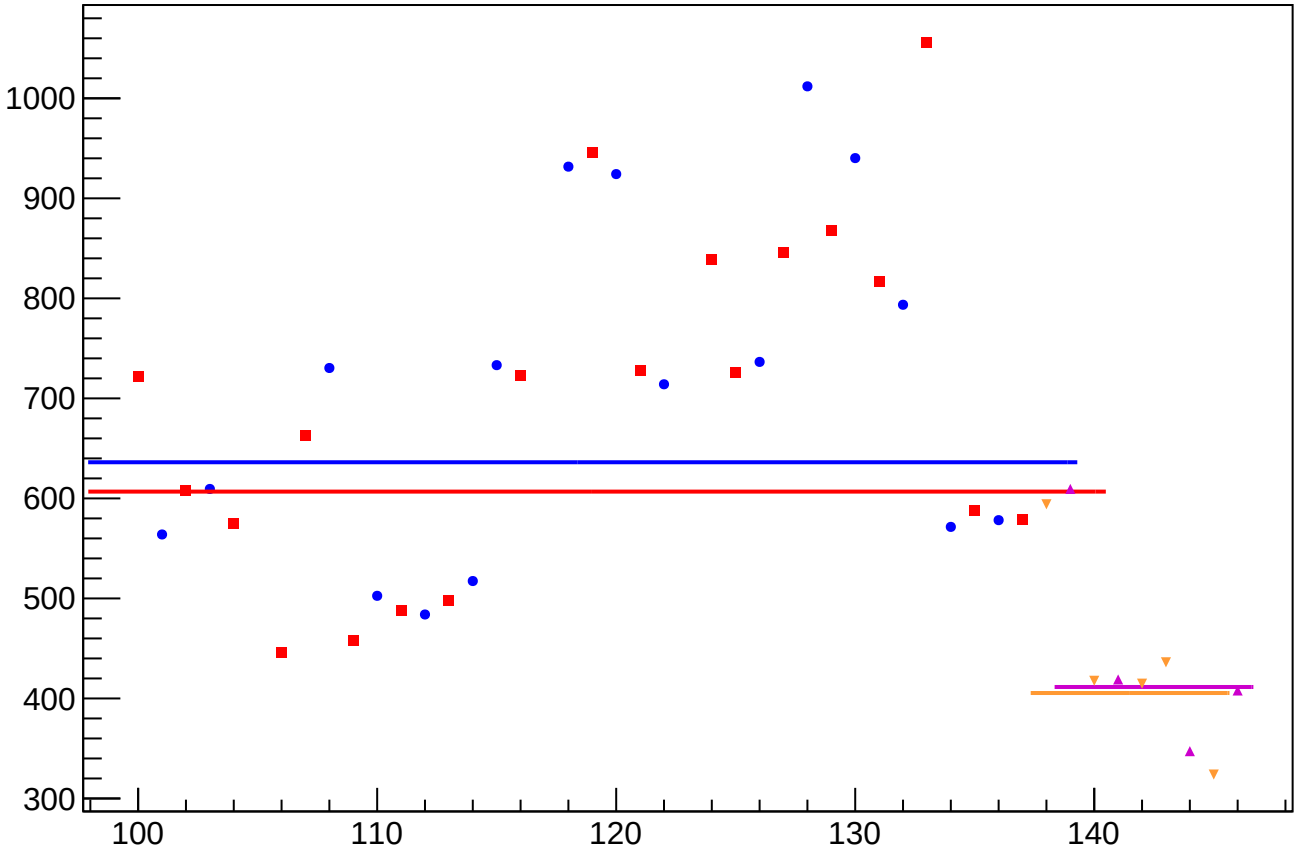
Left In: 203.735+/-224.625 χ^2/NDF:2.8/3

+ sign 274.207+/-161.637 χ^2/NDF: 31.4/20

All: 318.686+/-113.923 χ^2/NDF: 49.2/43

- sign 362.591+/-160.591 χ^2/NDF: 17.7/22

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 405.442+/-0.153 χ^2/NDF:266589.4/4

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

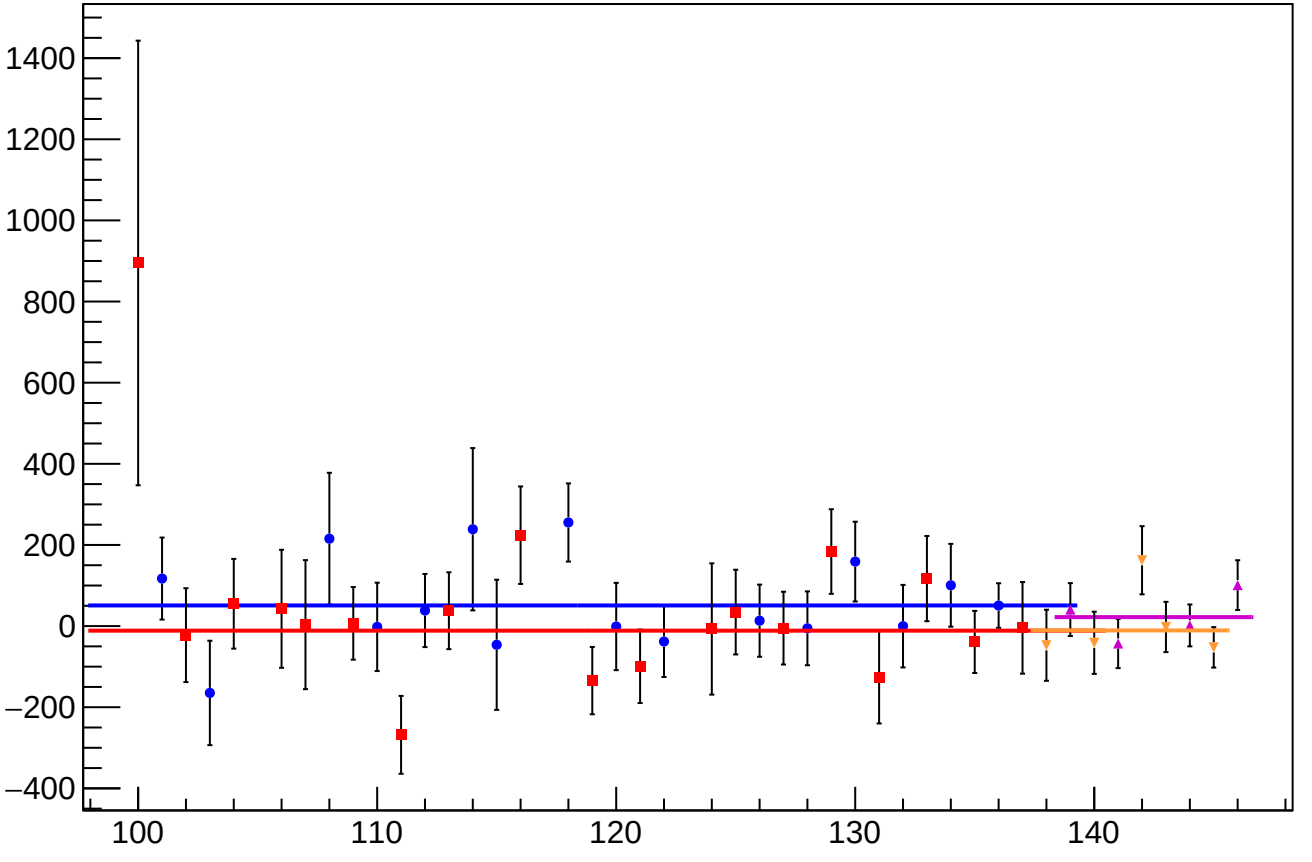
Left In: 411.465+/-0.159 χ^2/NDF:238057.8/3

+ sign 506.851+/-0.114 χ^2/NDF: 1975511.5/20

All: 506.906+/-0.081 χ^2/NDF: 3846863.9/43

- sign 506.961+/-0.114 χ^2/NDF: 1871352.0/22

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.749+/-30.069 χ^2/NDF:5.3/4

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

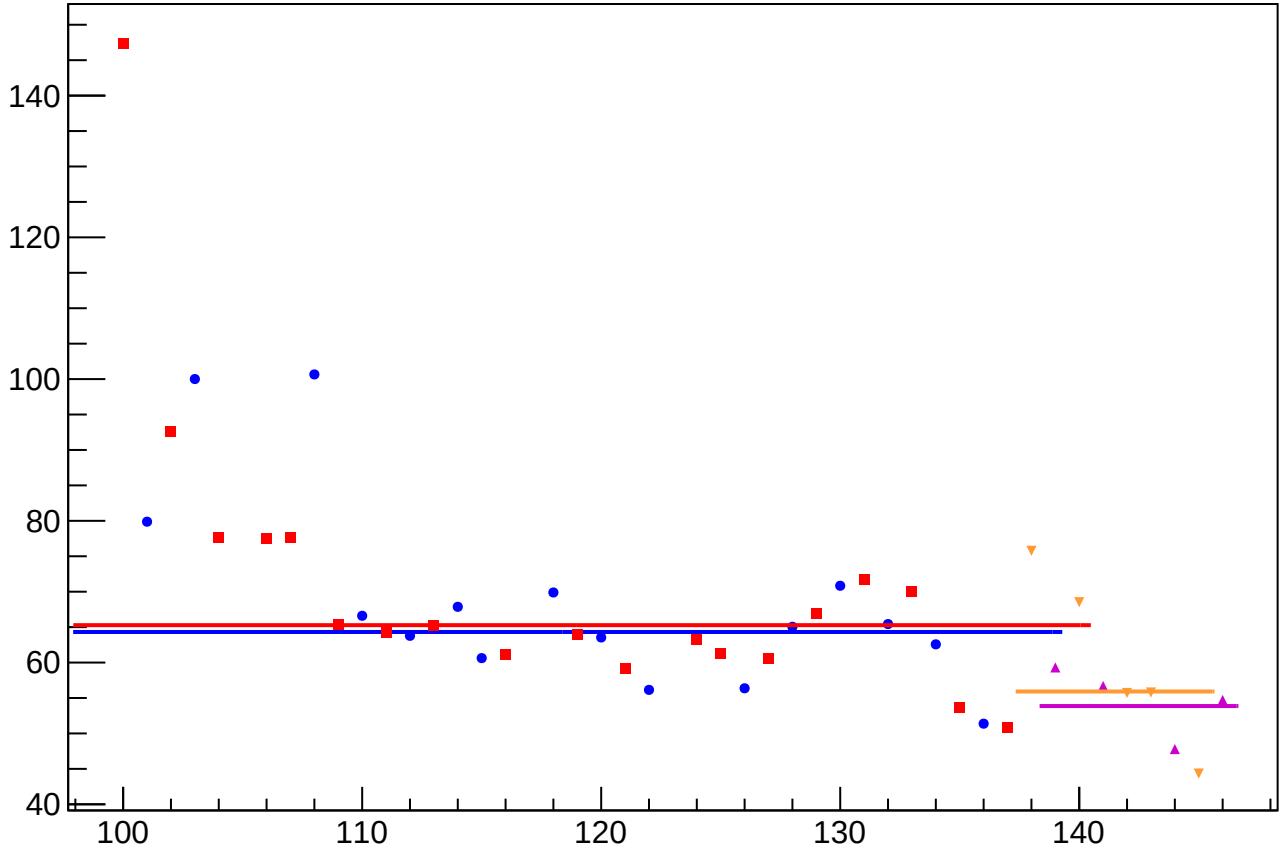
Left In: 22.109+/-29.511 χ^2/NDF:3.0/3

+ sign 26.286+/-18.990 χ^2/NDF: 21.6/20

All: 14.123+/-13.349 χ^2/NDF: 50.3/43

- sign 2.239+/-18.770 χ^2/NDF: 27.8/22

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.919+/-0.021 χ^2/NDF:265021.0/4

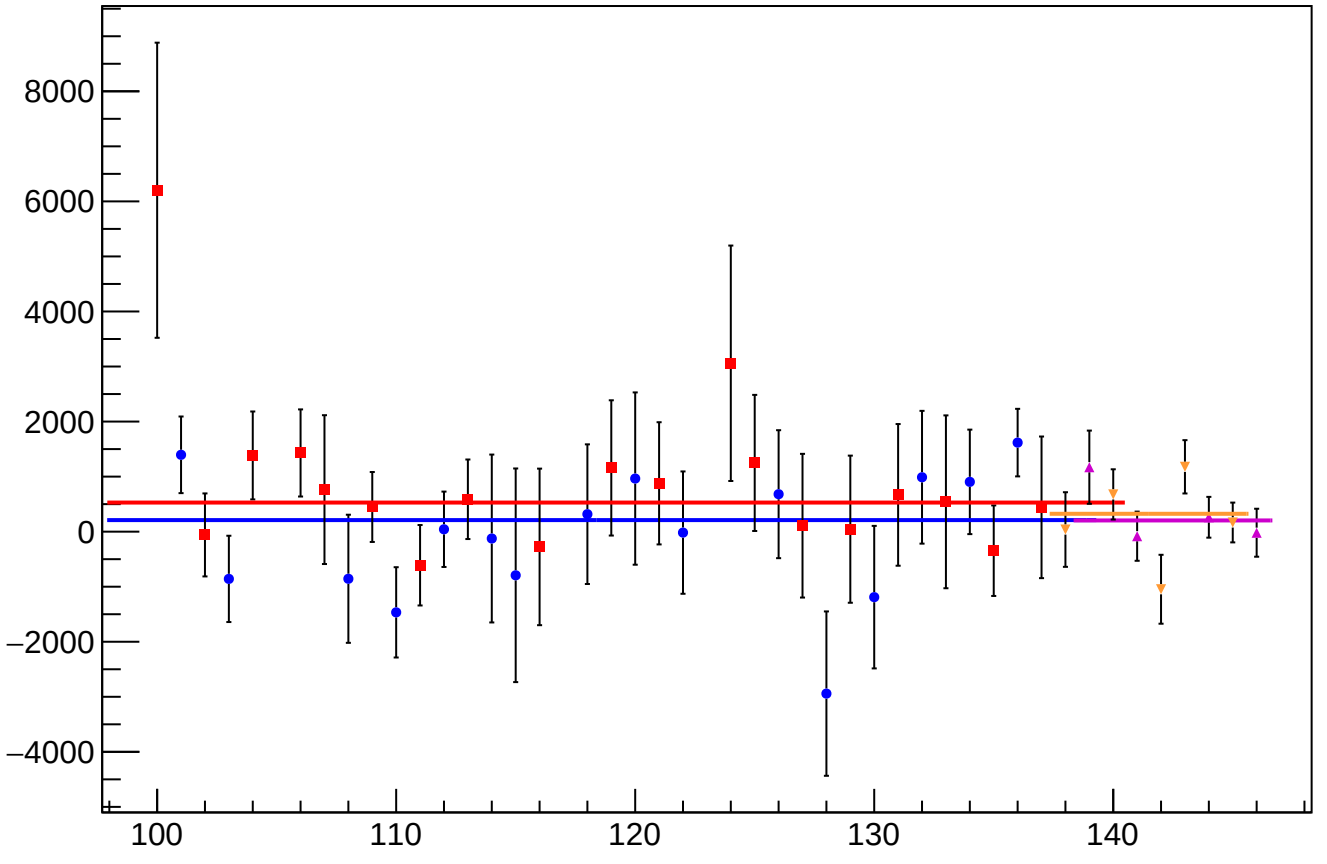
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 53.864+/-0.021 χ^2/NDF:46397.1/3

+ sign 60.967+/-0.013 χ^2/NDF: 823758.0/20

All: 60.812+/-0.009 χ^2/NDF: 1367695.7/43

- sign 60.660+/-0.013 χ^2/NDF: 543672.9/22



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 324.553+/-215.913 χ^2/NDF:8.9/4

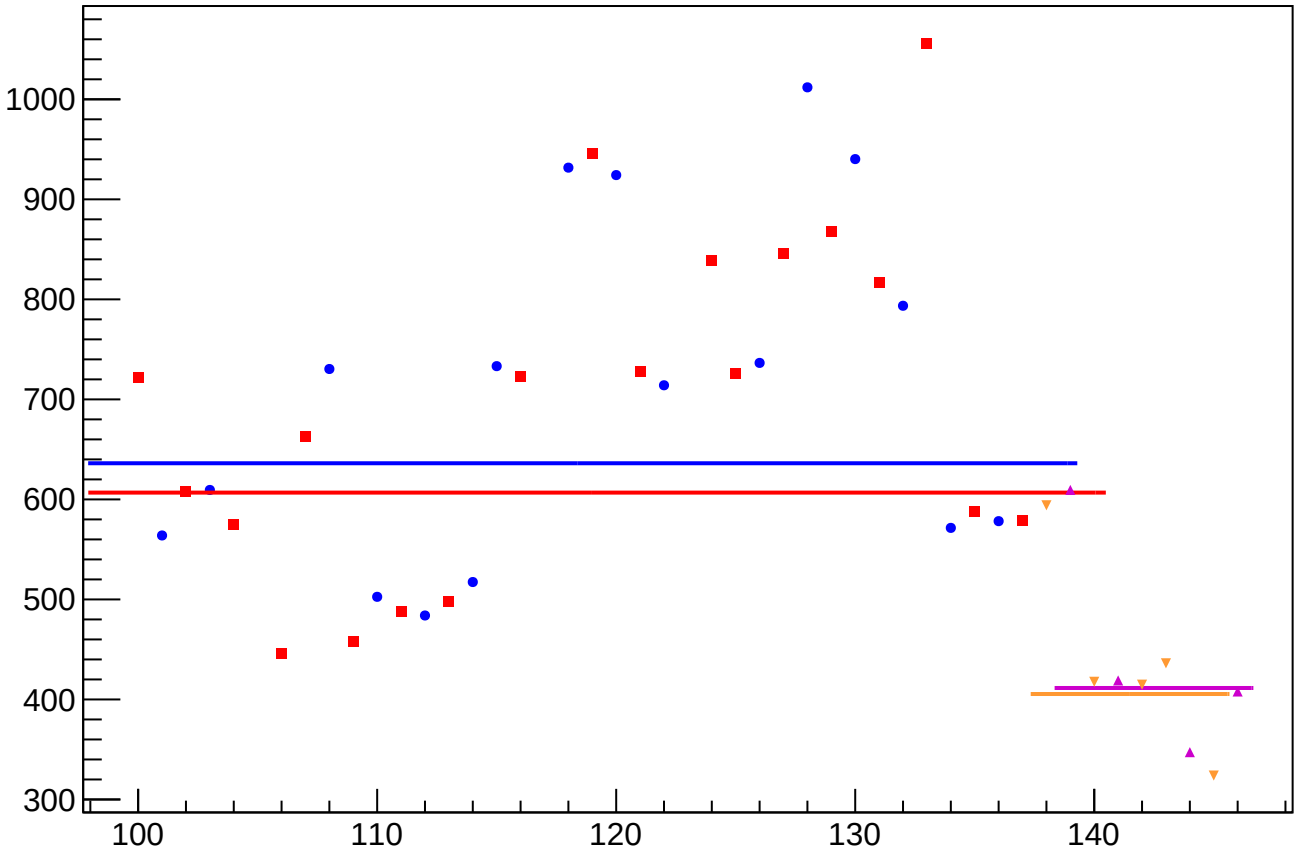
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 203.735+/-224.625 χ^2/NDF:2.8/3

\+ sign 274.207+/-161.637 χ^2/NDF: 31.4/20

All: 318.686+/-113.923 χ^2/NDF: 49.2/43

\- sign 362.590+/-160.591 χ^2/NDF: 17.7/22



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 405.441+/-0.153 χ^2/NDF:266591.1/4

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

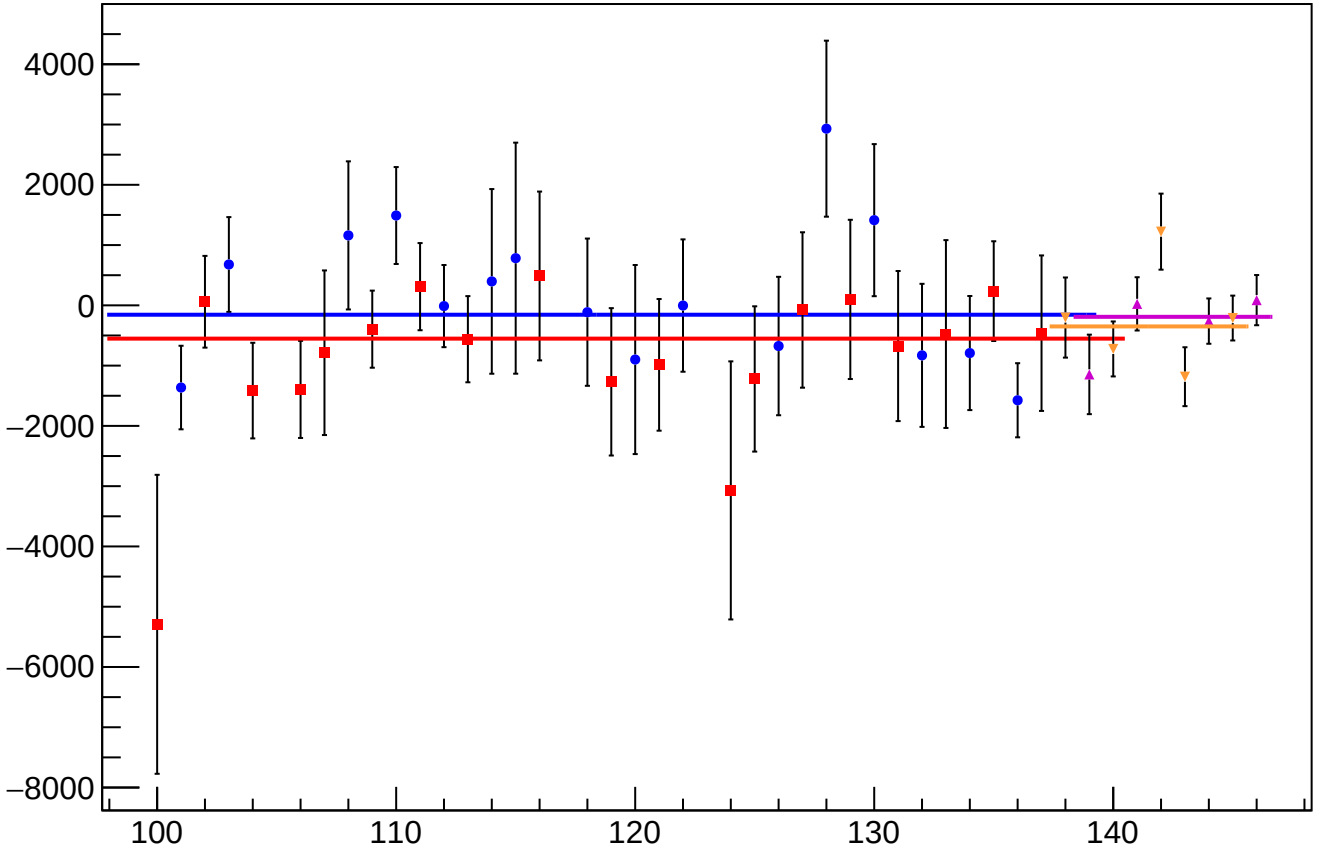
Left In: 411.464+/-0.159 χ^2/NDF:238057.4/3

+ sign 506.850+/-0.114 χ^2/NDF: 1975525.2/20

All: 506.905+/-0.081 χ^2/NDF: 3846882.1/43

- sign 506.960+/-0.114 χ^2/NDF: 1871356.5/22

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -349.737+/-218.236 χ^2/NDF:10.0/4

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

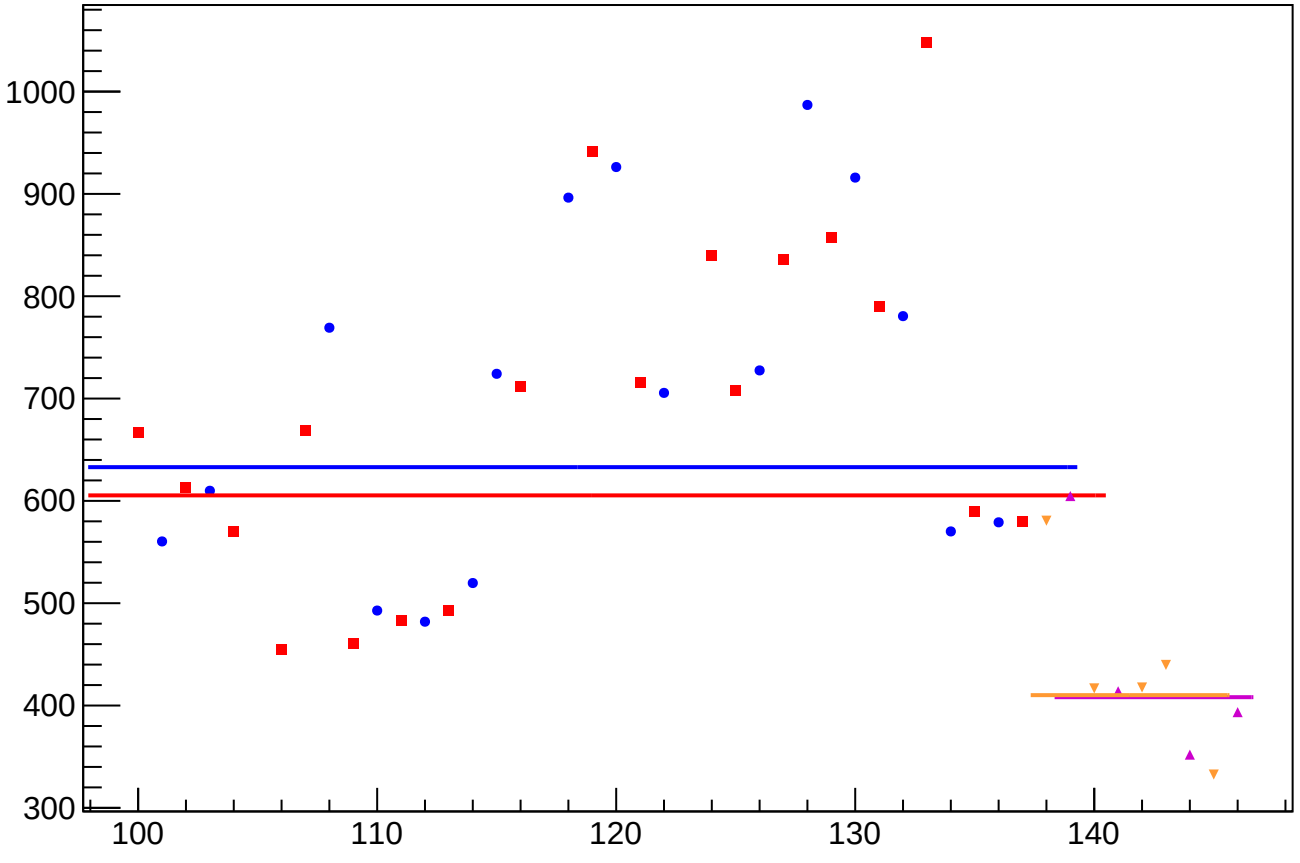
Left In: -190.481+/-222.158 χ^2/NDF:2.8/3

+ sign -262.925+/-162.247 χ^2/NDF: 32.8/20

All: -315.334+/-113.712 χ^2/NDF: 49.3/43

- sign -365.931+/-159.416 χ^2/NDF: 16.2/22

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 410.156+/-0.154 χ^2/NDF:226559.0/4

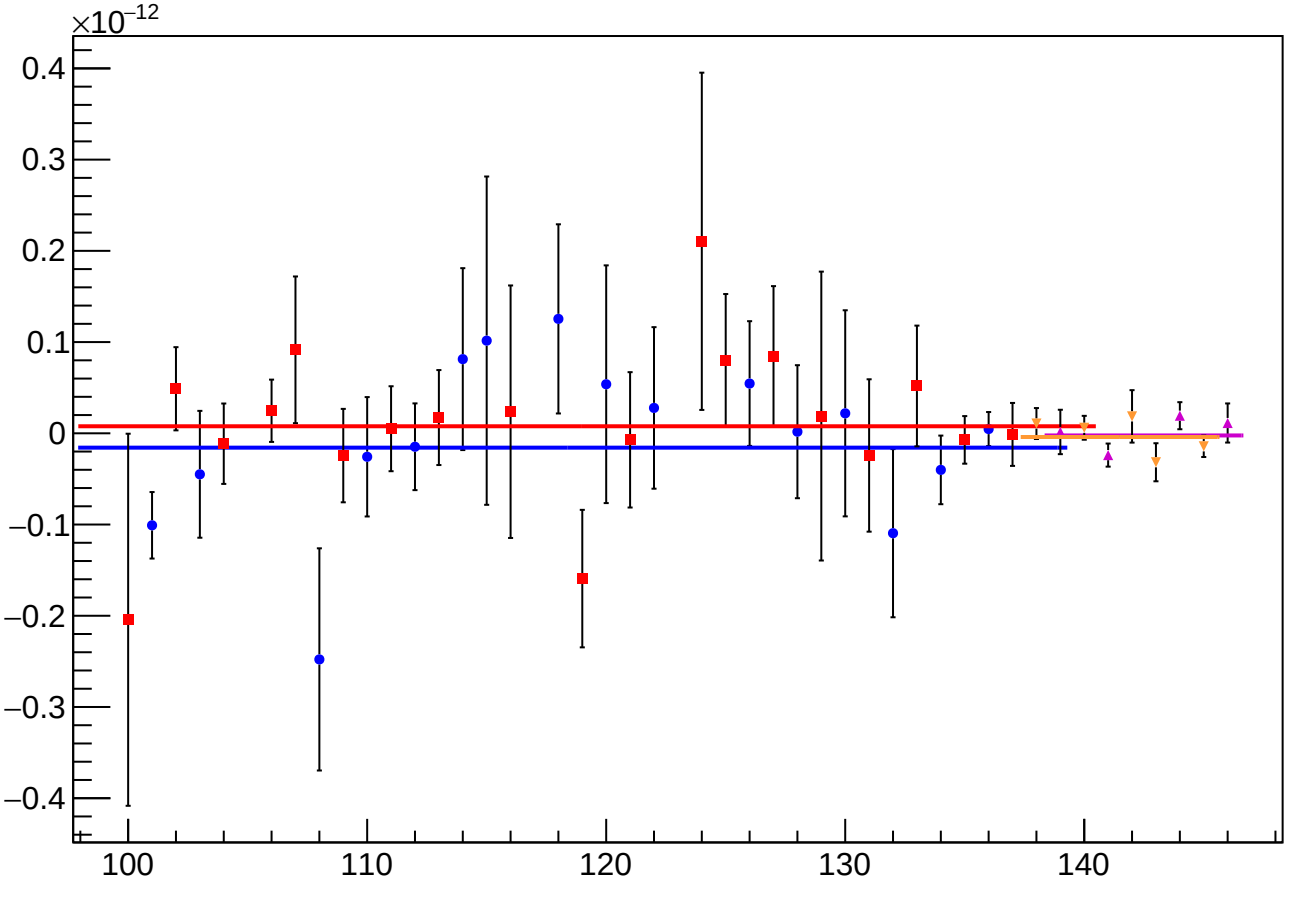
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 408.163+/-0.157 χ^2/NDF:225045.0/3

+ sign 509.816+/-0.115 χ^2/NDF: 1840168.7/20

All: 506.768+/-0.080 χ^2/NDF: 3685096.0/43

- sign 503.825+/-0.113 χ^2/NDF: 1843539.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

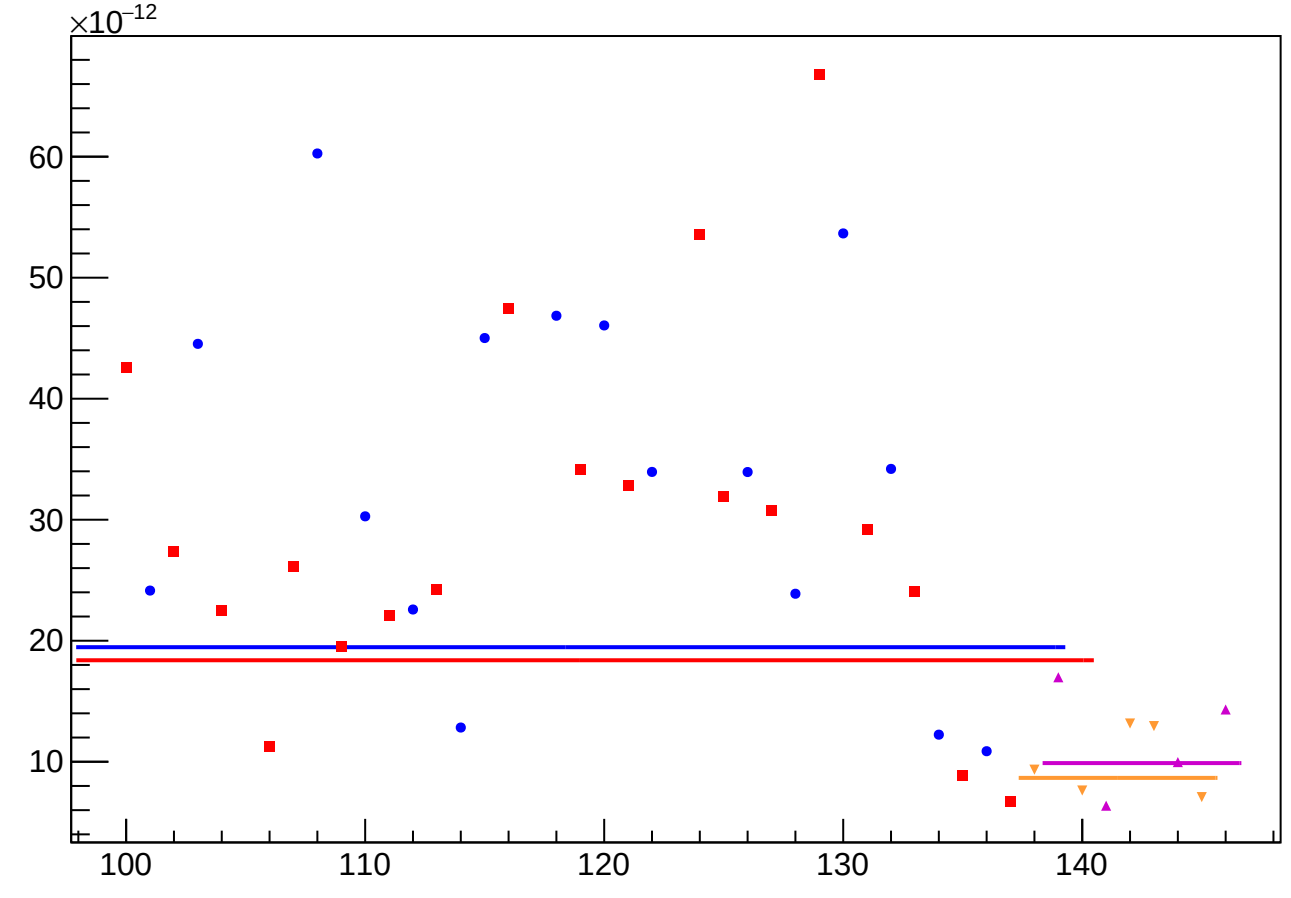
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 22.1/20

All: -0.000+/-0.000 χ^2/NDF: 41.6/43

- sign 0.000+/-0.000 χ^2/NDF: 18.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:185775.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

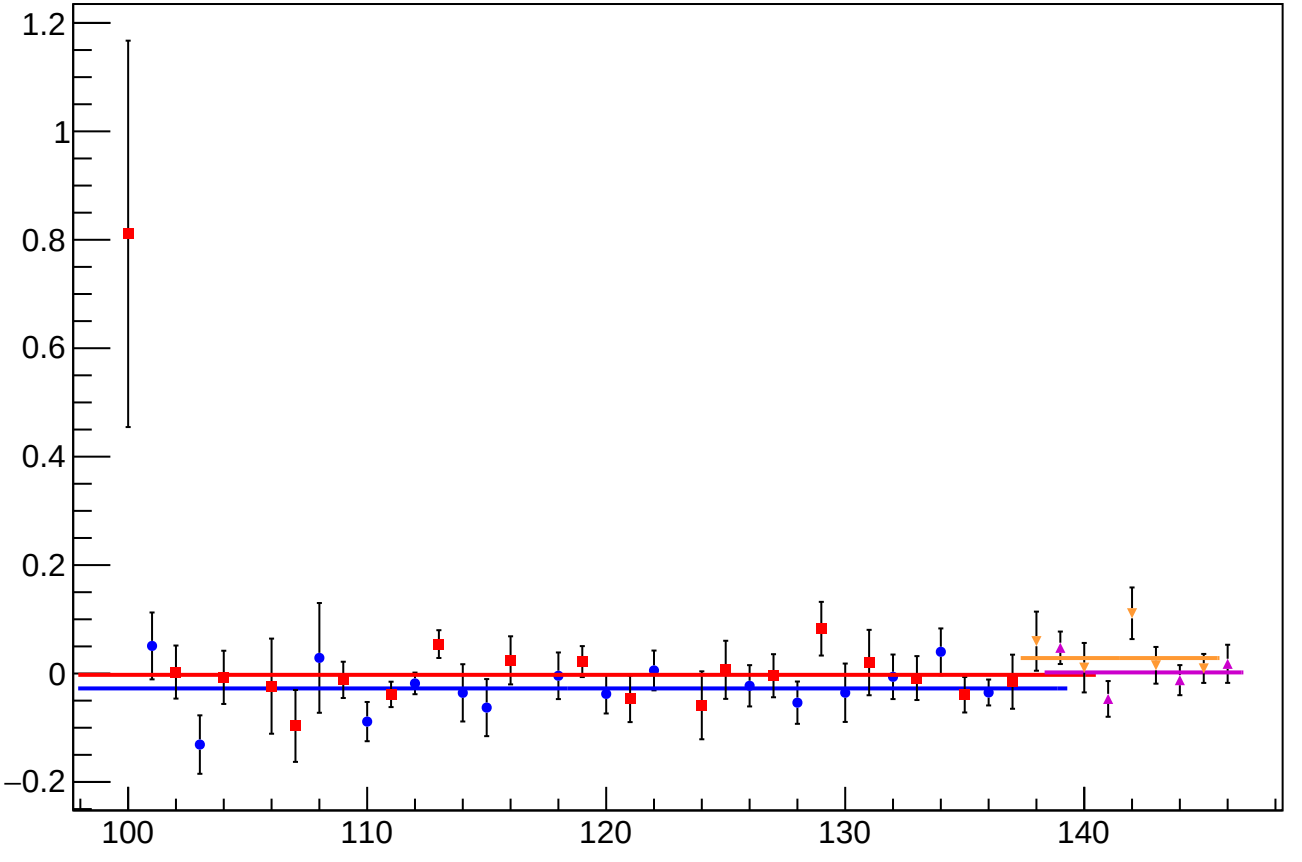
Left In: 0.000+/-0.000 χ^2/NDF:410105.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 3039018.5/20

All: 0.000+/-0.000 χ^2/NDF: 5603984.7/43

- sign 0.000+/-0.000 χ^2/NDF: 2523073.5/22

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: 0.029+/-0.017 χ^2/NDF:4.2/4

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

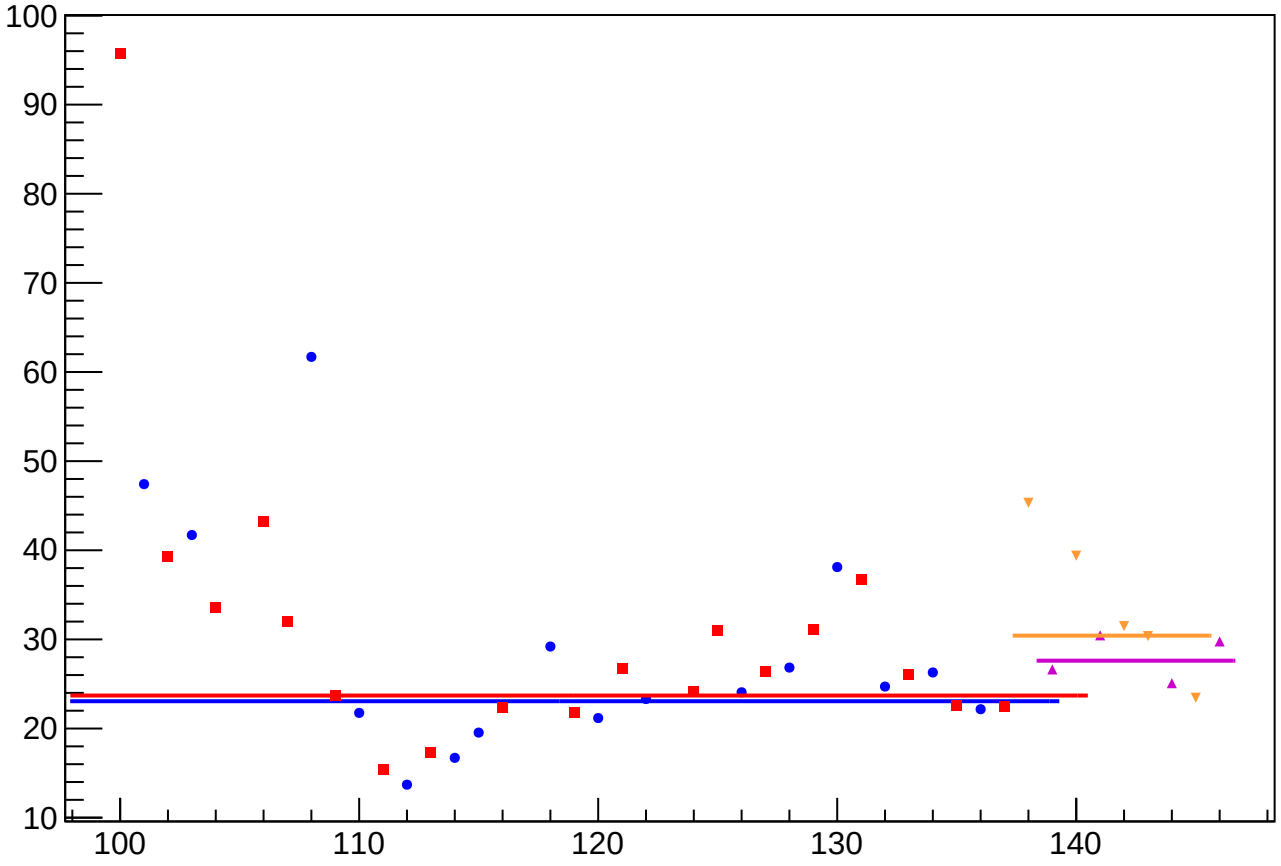
Left In: 0.002+/-0.016 χ^2/NDF:5.0/3

+ sign -0.014+/-0.008 χ^2/NDF: 26.3/20

All: -0.008+/-0.006 χ^2/NDF: 54.7/43

- sign -0.001+/-0.008 χ^2/NDF: 27.1/22

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: 30.424+/-0.012 χ^2/NDF:363807.9/4

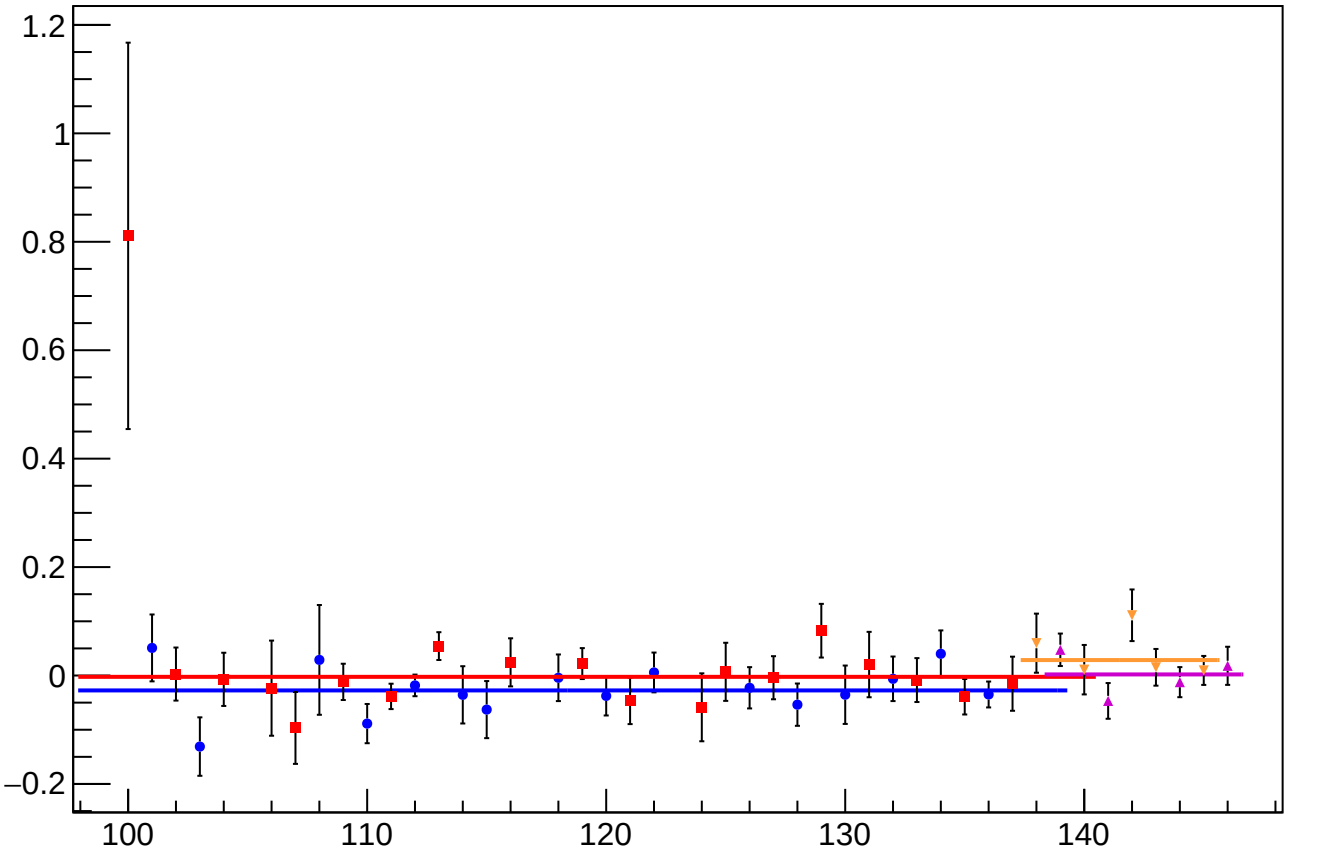
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.612+/-0.011 χ^2/NDF:41153.1/3

\+ sign 24.813+/-0.006 χ^2/NDF: 2219774.3/20

All: 24.772+/-0.004 χ^2/NDF: 3442827.3/43

\- sign 24.733+/-0.006 χ^2/NDF: 1222952.9/22



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

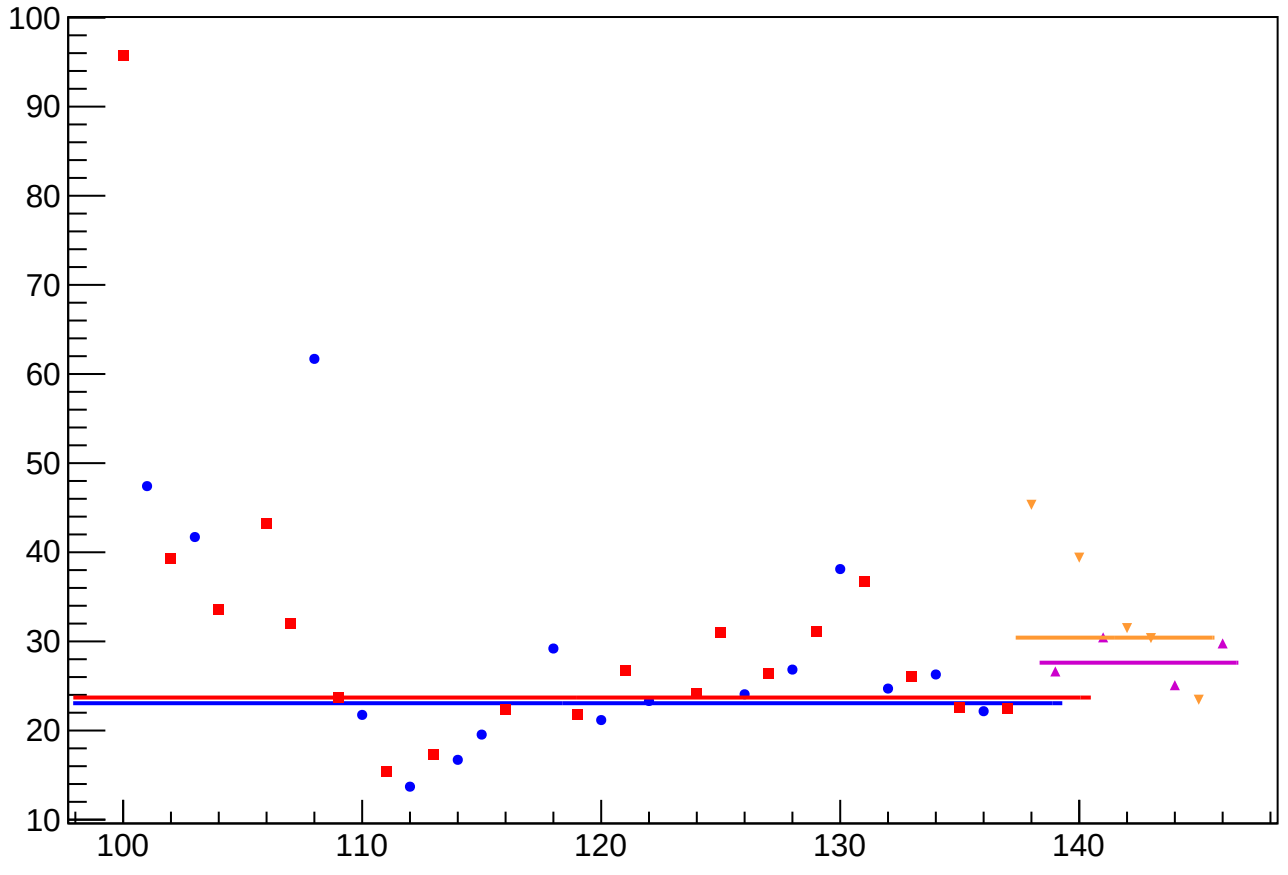
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.016 χ^2/NDF:5.0/3

+ sign -0.014+/-0.008 χ^2/NDF: 26.3/20

All: -0.008+/-0.006 χ^2/NDF: 54.7/43

- sign -0.001+/-0.008 χ^2/NDF: 27.1/22



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 30.424+/-0.012 χ^2/NDF:363807.9/4

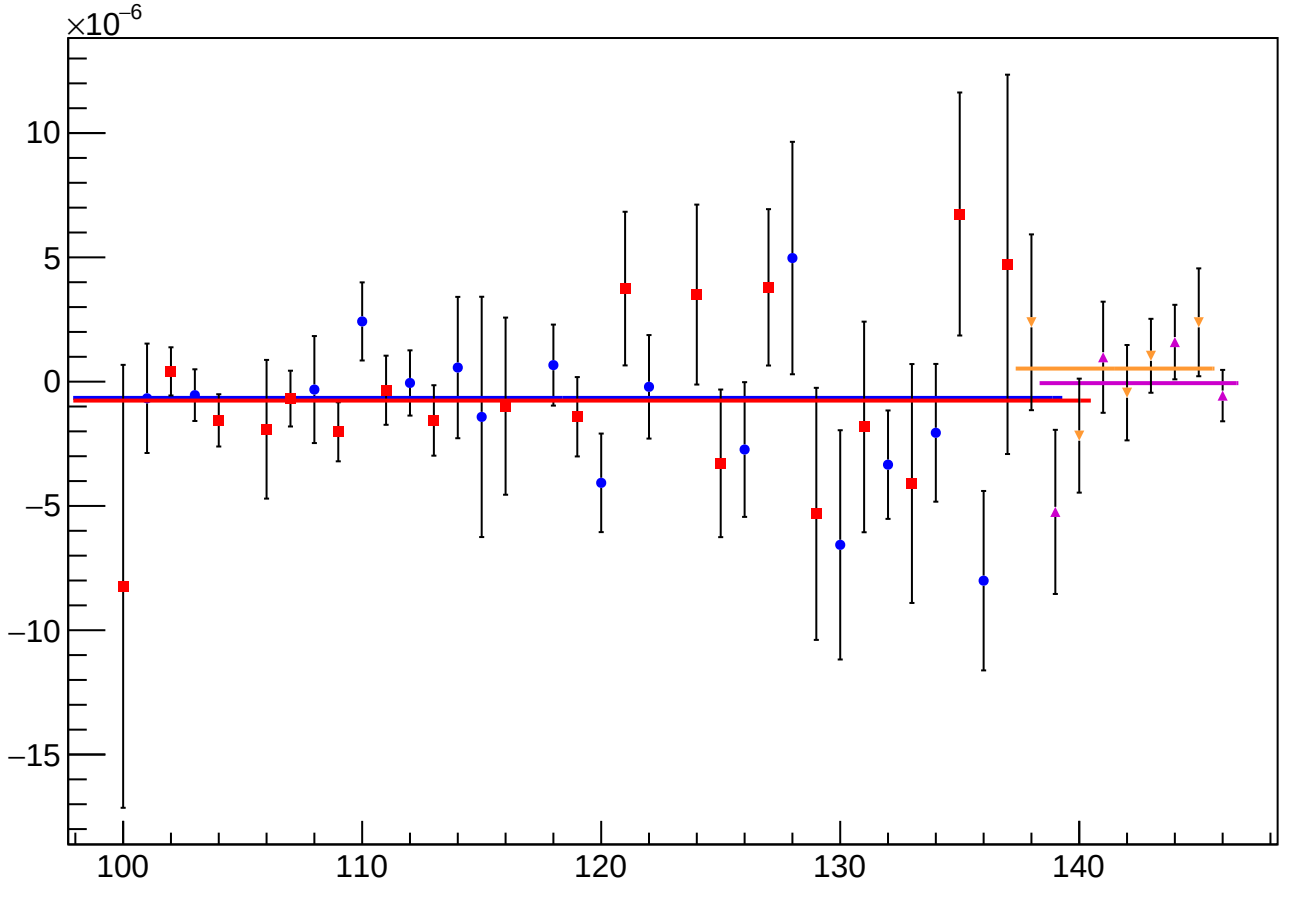
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.612+/-0.011 χ^2/NDF:41153.1/3

+ sign 24.813+/-0.006 χ^2/NDF: 2219774.3/20

All: 24.772+/-0.004 χ^2/NDF: 3442827.3/43

- sign 24.733+/-0.006 χ^2/NDF: 1222952.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/4

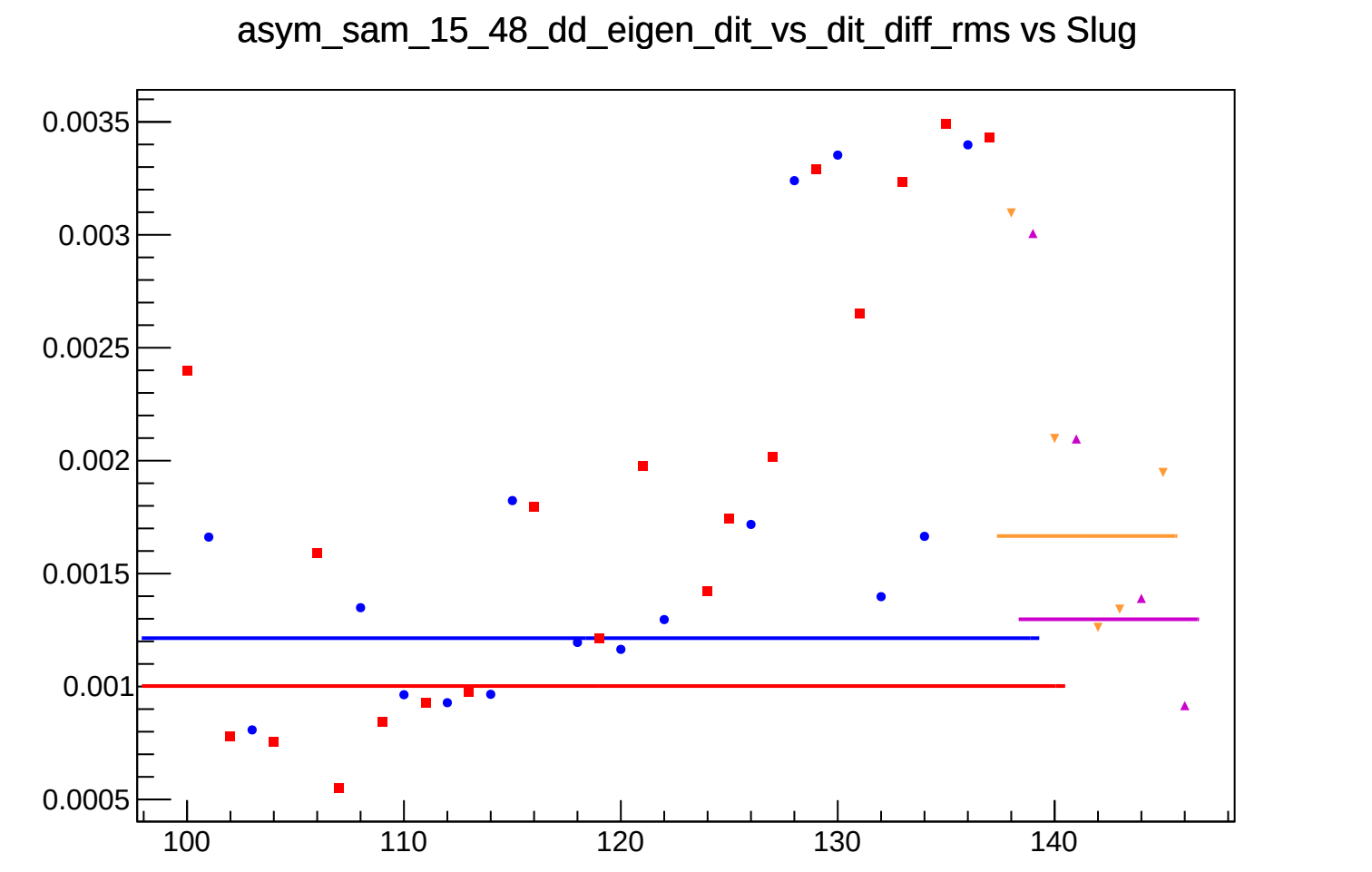
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

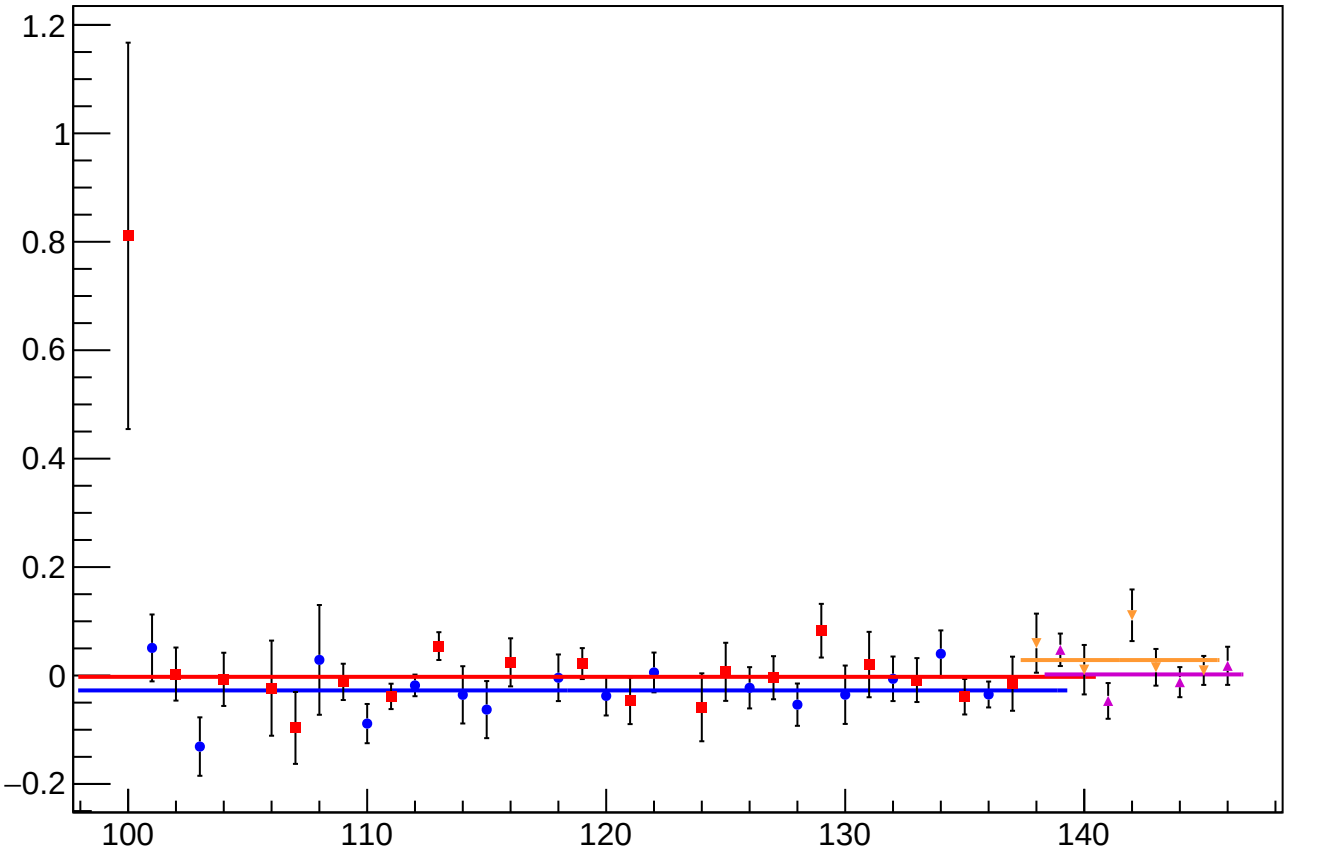
Left In: -0.000+/-0.000 χ^2/NDF:4.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/20

All: -0.000+/-0.000 χ^2/NDF: 41.7/43

- sign -0.000+/-0.000 χ^2/NDF: 19.9/22


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
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.002+/-0.000 χ²/NDF:615601.8/4
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:1071873.9/3
+ sign 0.001+/-0.000 χ²/NDF: 3262466.8/20
All: 0.001+/-0.000 χ²/NDF: 8217410.6/43
- sign 0.001+/-0.000 χ²/NDF: 4574977.4/22



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

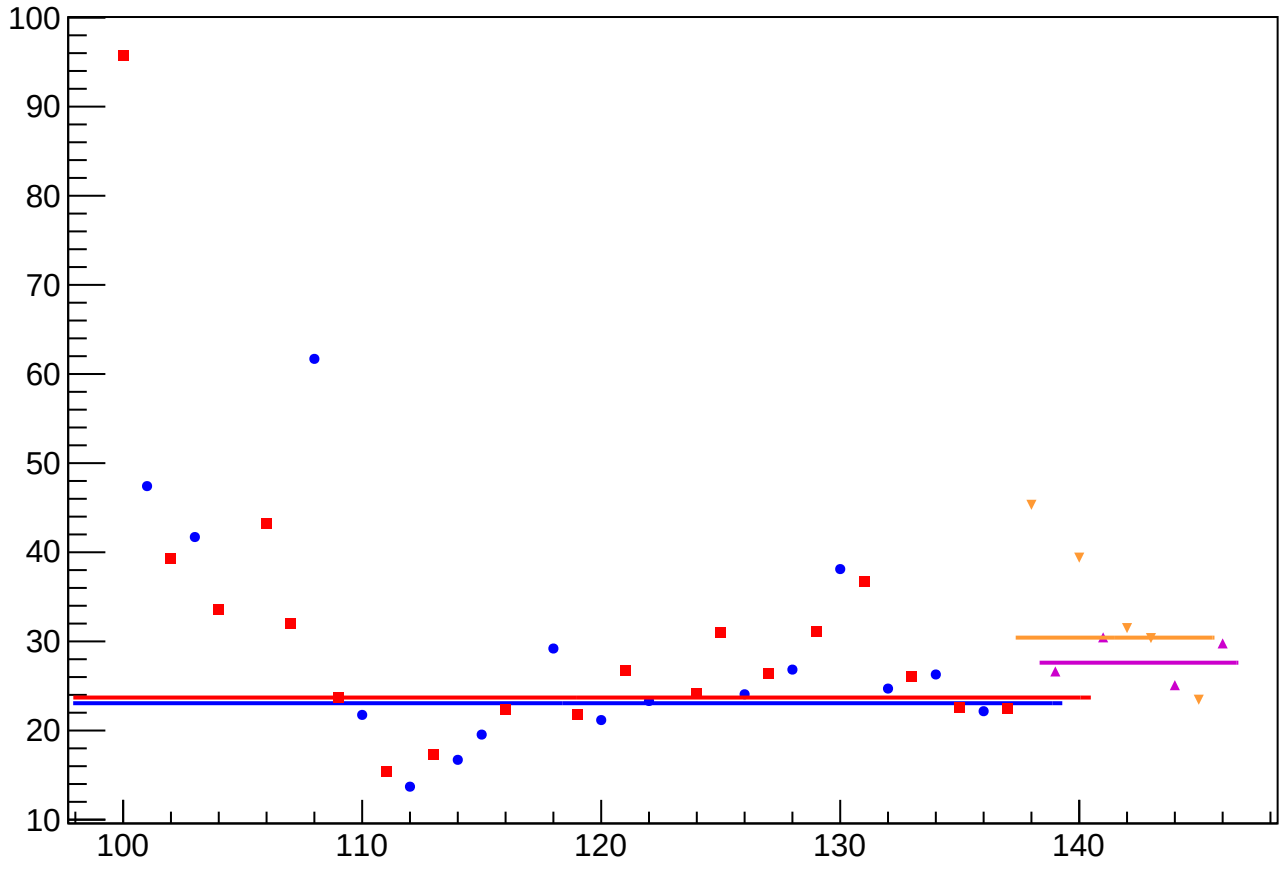
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.016 χ^2/NDF:5.0/3

+ sign -0.014+/-0.008 χ^2/NDF: 26.3/20

All: -0.008+/-0.006 χ^2/NDF: 54.7/43

- sign -0.001+/-0.008 χ^2/NDF: 27.1/22



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 30.425+/-0.012 χ^2/NDF:363757.0/4

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

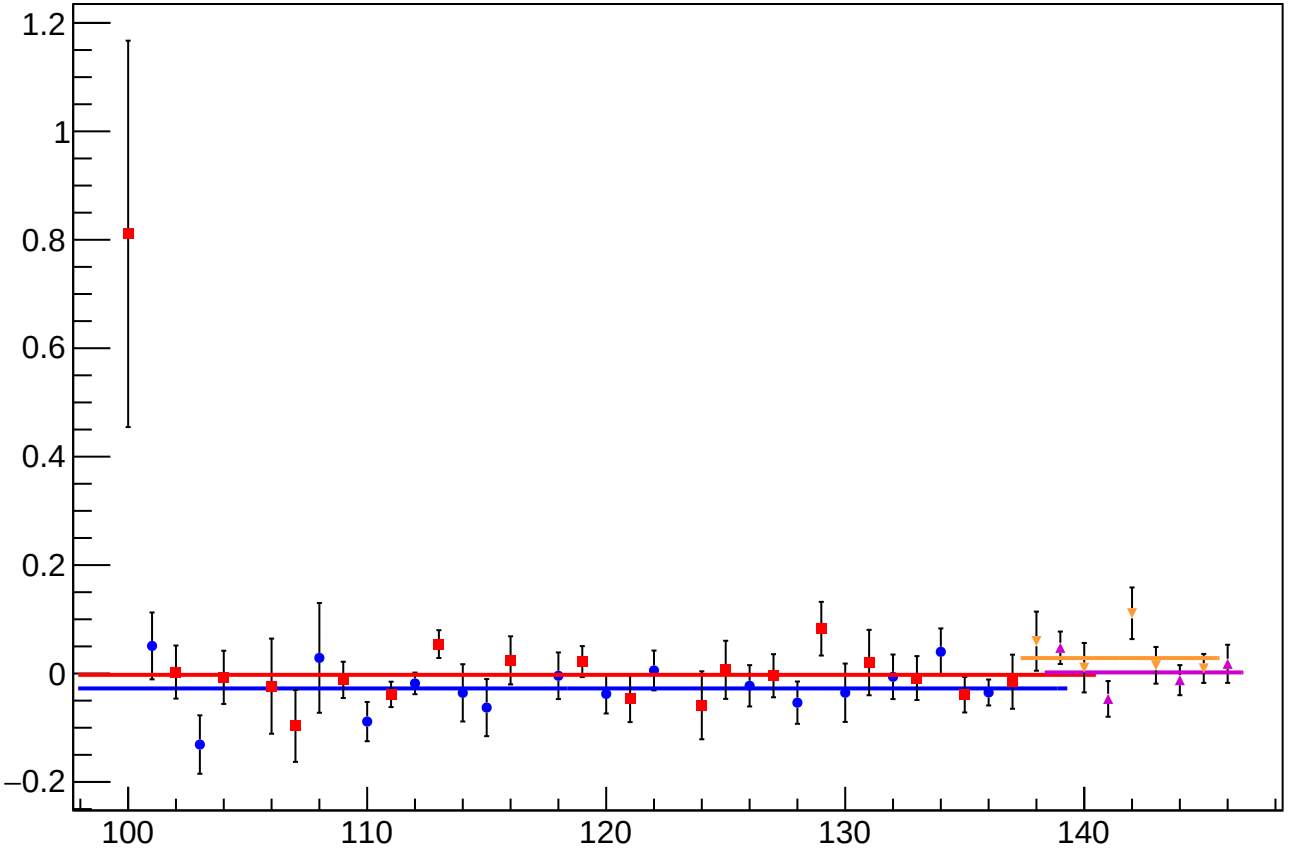
Left In: 27.612+/-0.011 χ^2/NDF:41155.1/3

+ sign 24.813+/-0.006 χ^2/NDF: 2219789.8/20

All: 24.772+/-0.004 χ^2/NDF: 3442895.0/43

- sign 24.732+/-0.006 χ^2/NDF: 1223004.8/22

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

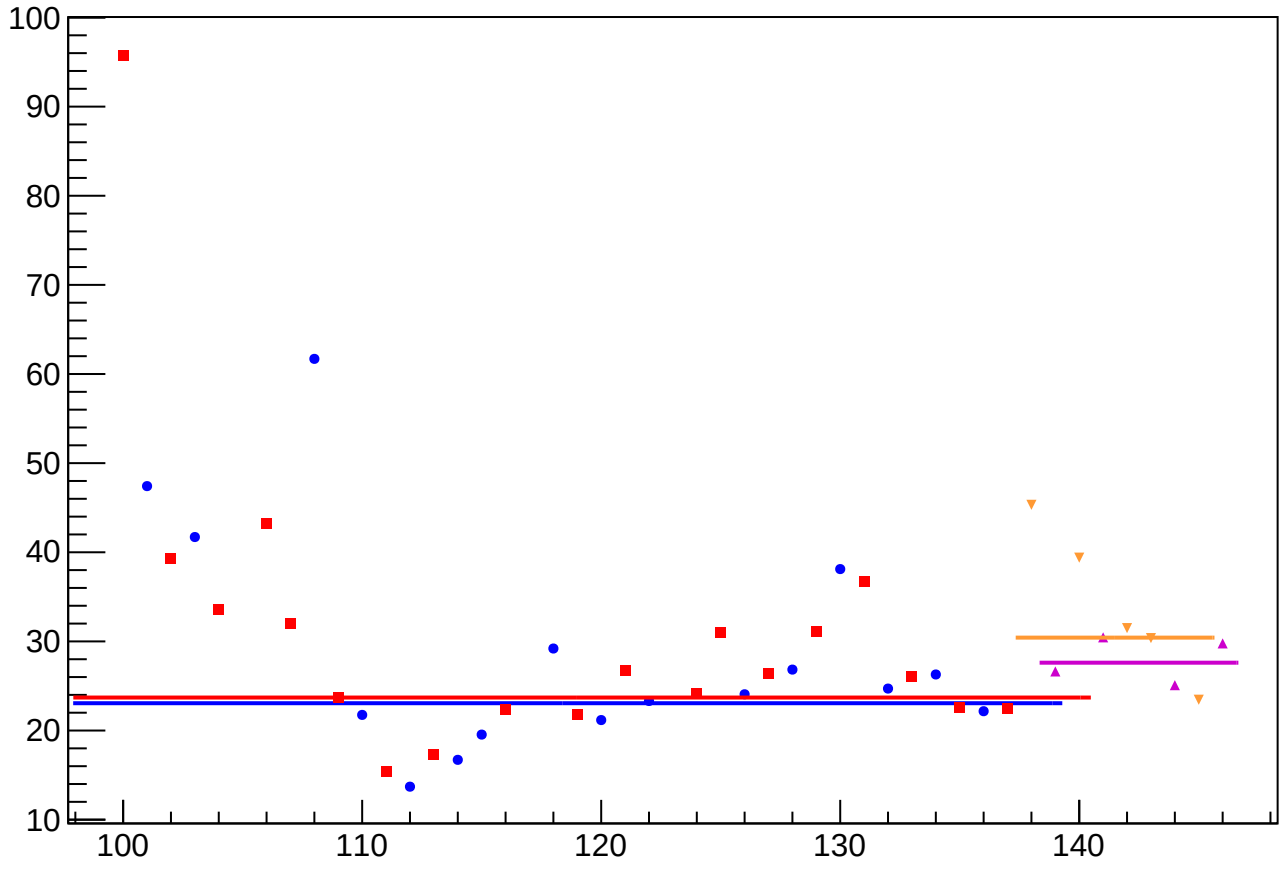
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.016 χ^2/NDF:5.0/3

+ sign -0.014+/-0.008 χ^2/NDF: 26.3/20

All: -0.008+/-0.006 χ^2/NDF: 54.7/43

- sign -0.001+/-0.008 χ^2/NDF: 27.1/22



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 30.425+/-0.012 χ^2/NDF:363757.0/4

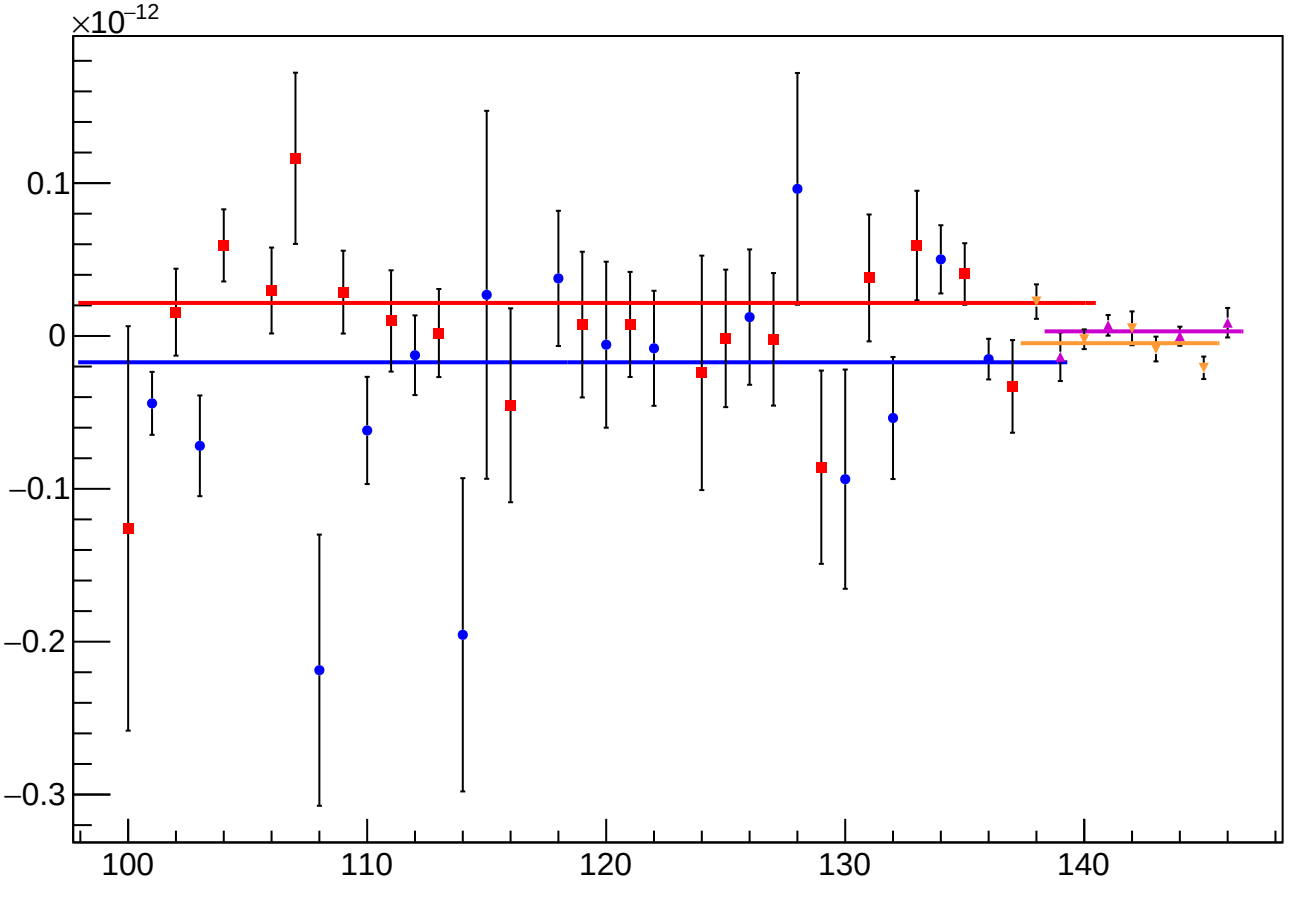
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.612+/-0.011 χ^2/NDF:41155.1/3

+ sign 24.813+/-0.006 χ^2/NDF: 2219789.8/20

All: 24.772+/-0.004 χ^2/NDF: 3442895.0/43

- sign 24.732+/-0.006 χ^2/NDF: 1223004.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/4

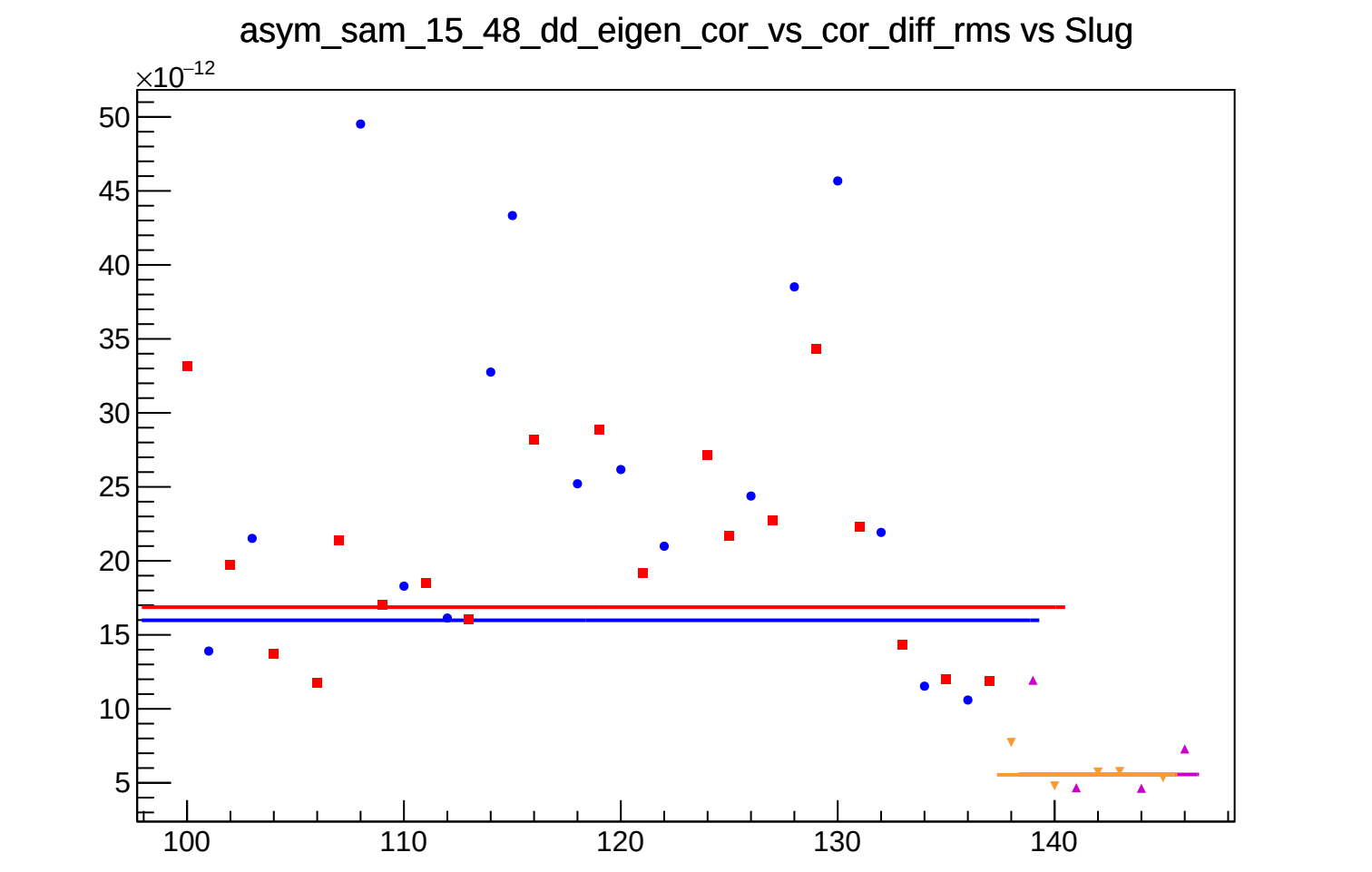
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/3

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/20

All: -0.000+/-0.000 χ^2/NDF: 76.2/43

- sign 0.000+/-0.000 χ^2/NDF: 24.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:105785.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

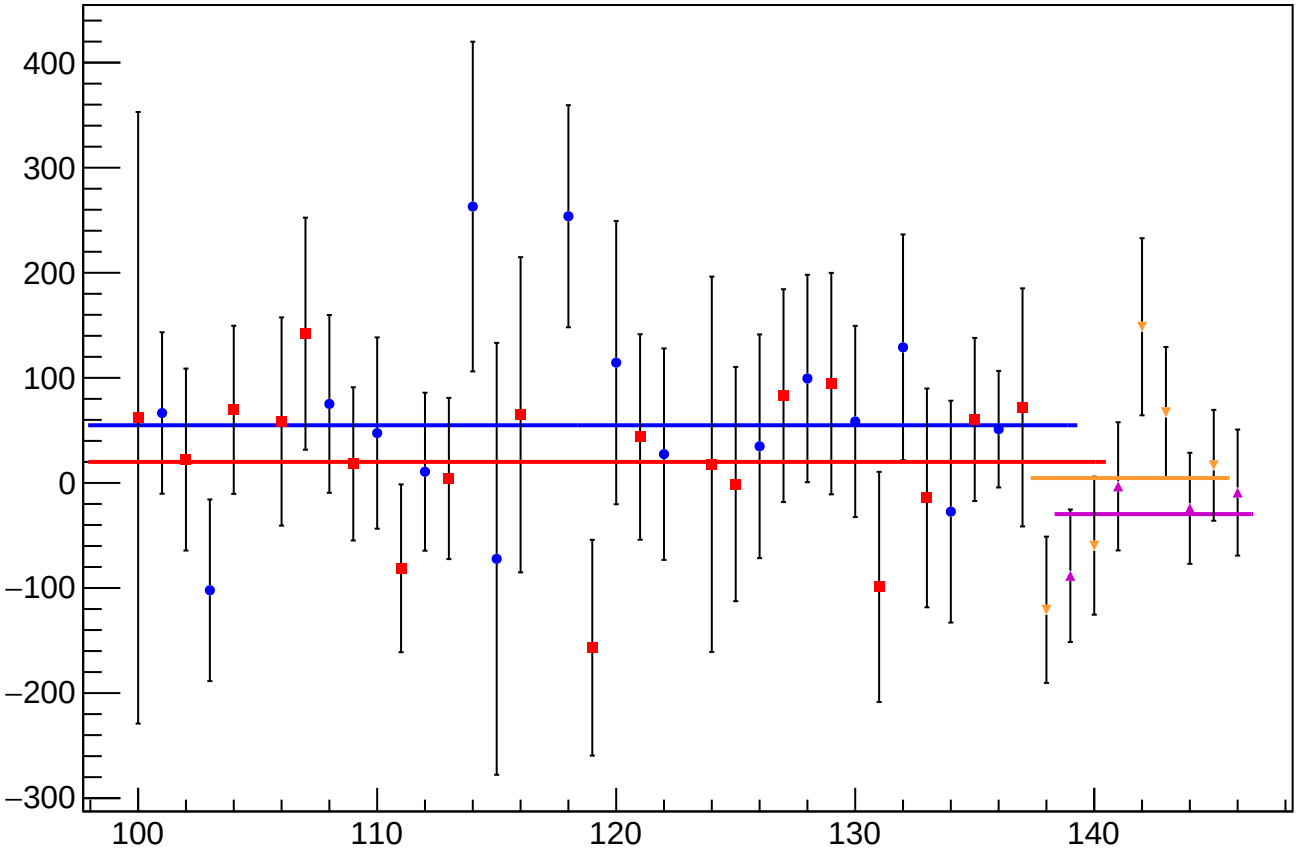
Left In: 0.000+/-0.000 χ^2/NDF:465202.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4822850.7/20

All: 0.000+/-0.000 χ^2/NDF: 9402355.7/43

- sign 0.000+/-0.000 χ^2/NDF: 4564755.3/22

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 4.651+/-28.909 χ^2/NDF:8.2/4

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

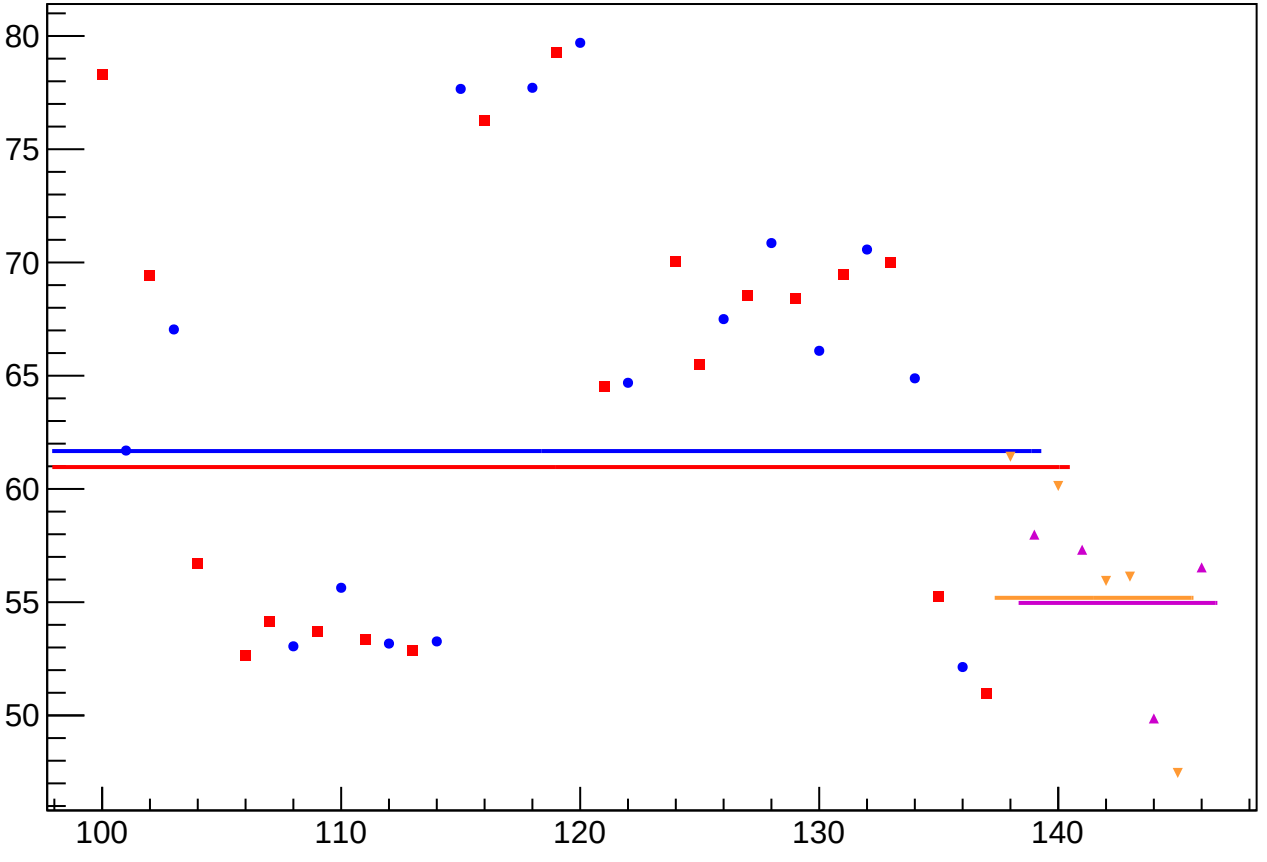
Left In: -29.646+/-29.408 χ^2/NDF:1.2/3

+ sign 35.227+/-18.084 χ^2/NDF: 21.0/20

All: 18.251+/-12.724 χ^2/NDF: 35.0/43

- sign 1.608+/-17.905 χ^2/NDF: 12.2/22

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 55.193+/-0.020 χ^2/NDF:70864.7/4

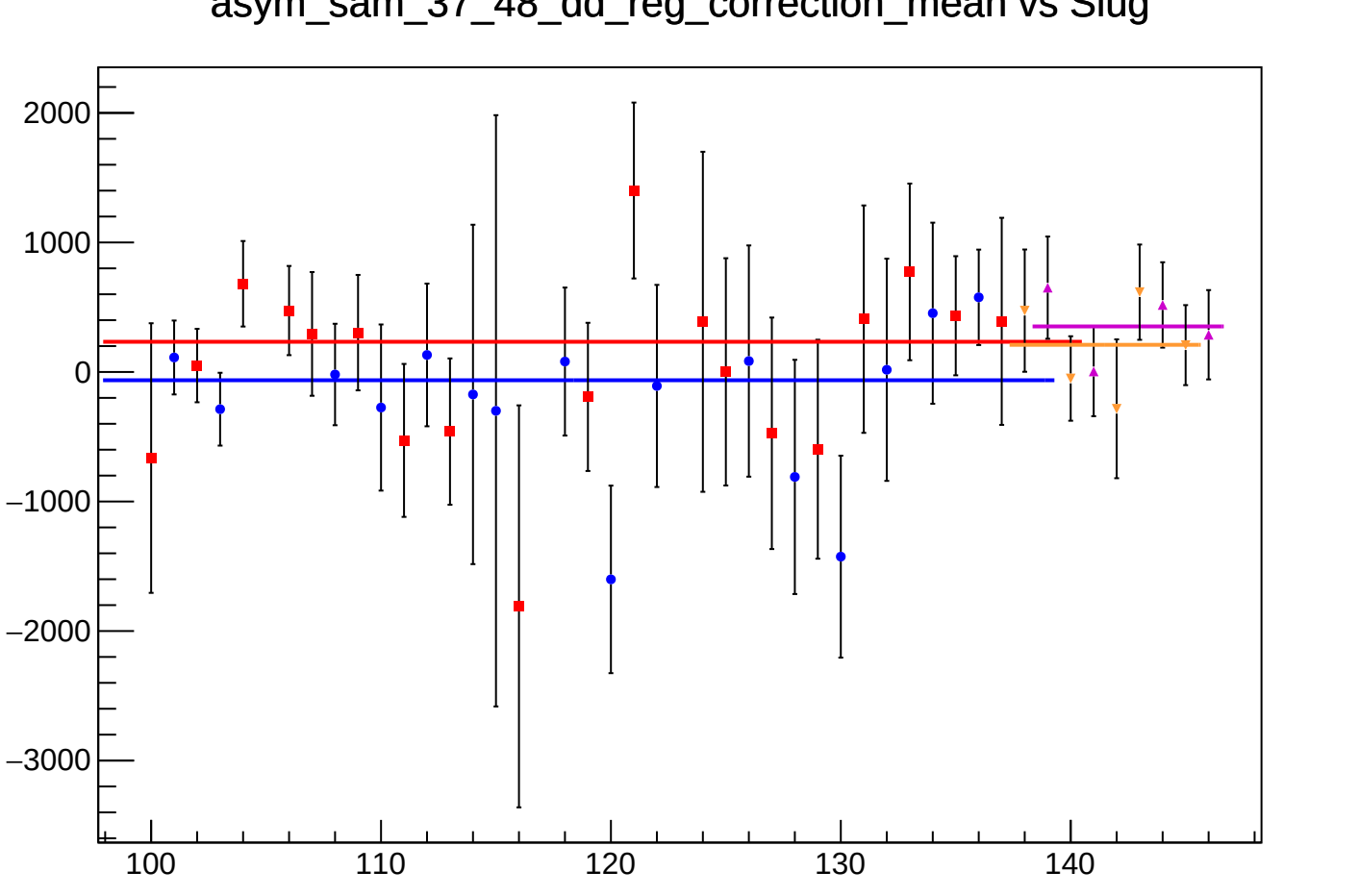
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

+ sign 59.137+/-0.013 χ^2/NDF: 399135.0/20

All: 58.938+/-0.009 χ^2/NDF: 763709.9/43

- sign 58.743+/-0.013 χ^2/NDF: 364094.0/22



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 209.711+/-168.441 χ^2/NDF:3.0/4

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

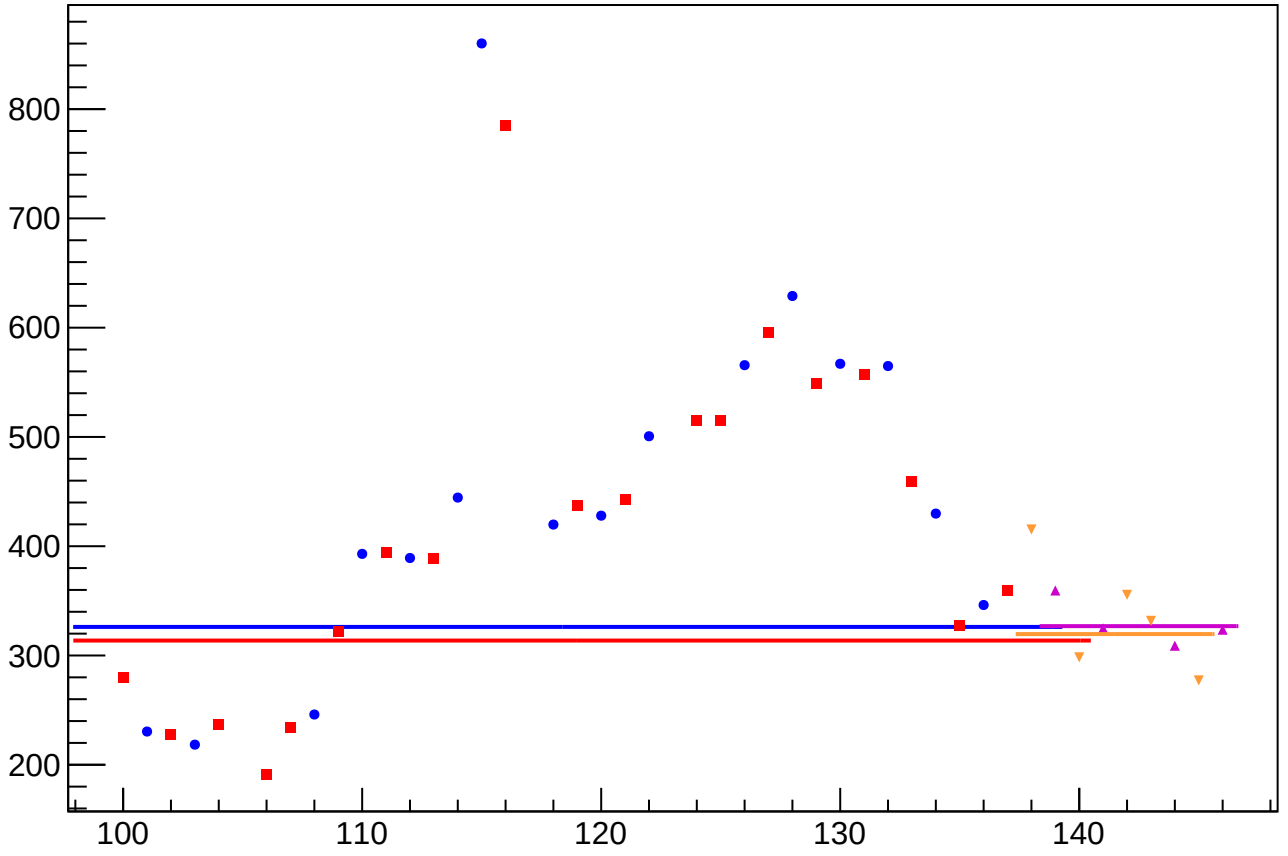
Left In: 351.755+/-175.665 χ^2/NDF:1.9/3

+ sign 37.958+/-102.752 χ^2/NDF: 17.9/20

All: 157.468+/-71.899 χ^2/NDF: 37.2/43

- sign 272.118+/-100.641 χ^2/NDF: 16.7/22

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 319.594+/-0.119 χ^2/NDF:139638.4/4

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

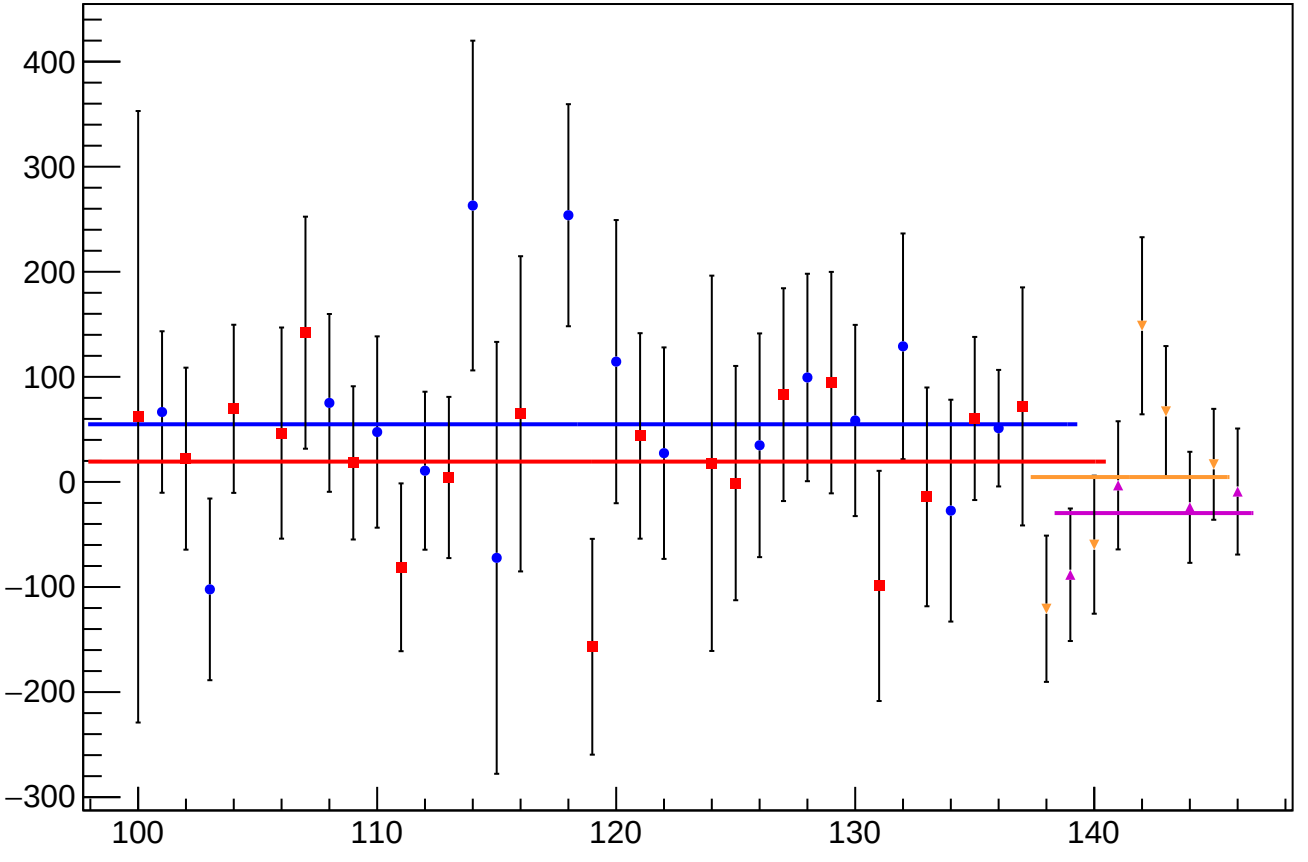
Left In: 326.860+/-0.124 χ^2/NDF:19826.5/3

+ sign 323.709+/-0.073 χ^2/NDF: 1875534.8/20

All: 320.796+/-0.051 χ^2/NDF: 3693431.1/43

- sign 318.001+/-0.071 χ^2/NDF: 1814746.5/22

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 4.642+/-28.909 χ^2/NDF:8.2/4

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

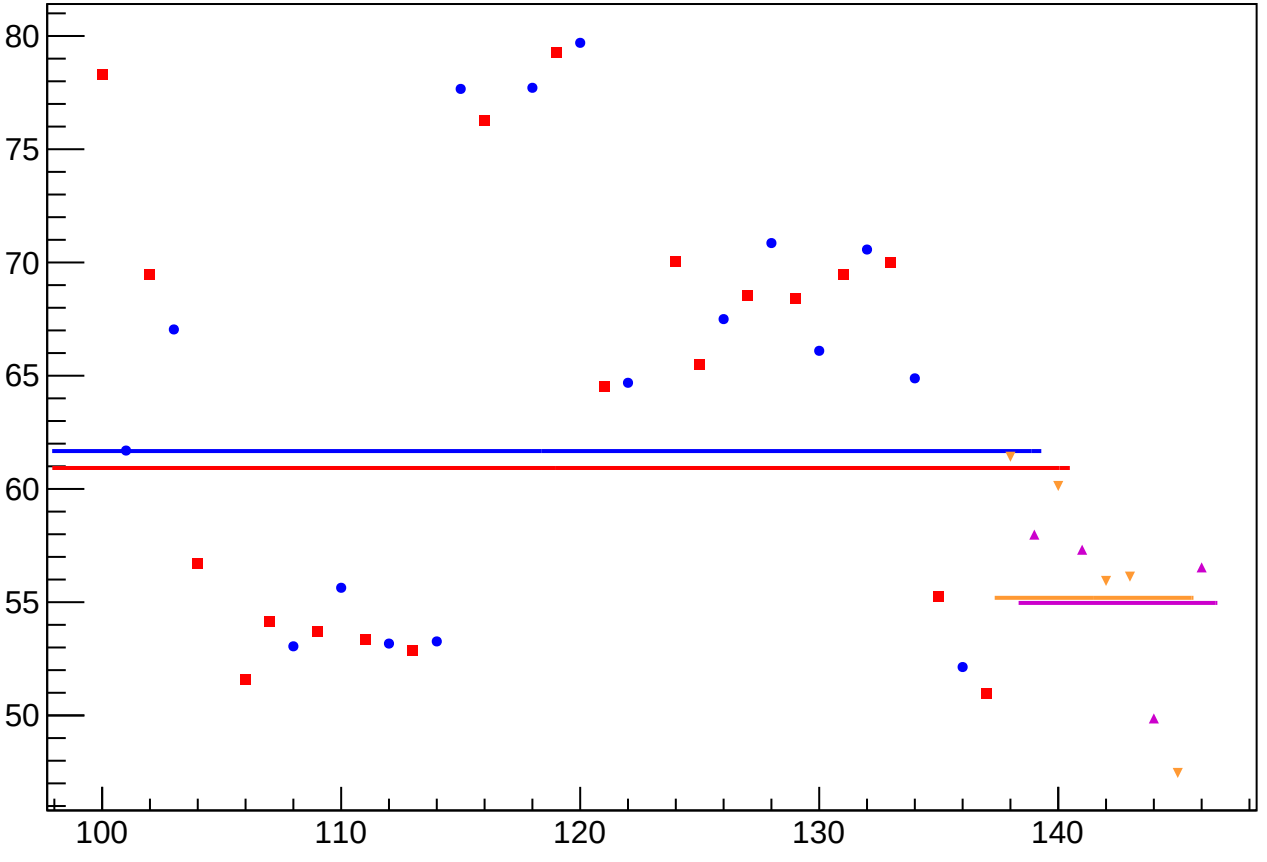
Left In: -29.639+/-29.408 χ^2/NDF:1.2/3

+ sign 35.220+/-18.084 χ^2/NDF: 21.0/20

All: 18.036+/-12.726 χ^2/NDF: 34.9/43

- sign 1.174+/-17.913 χ^2/NDF: 12.1/22

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 55.193+/-0.020 χ^2/NDF:70864.7/4

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

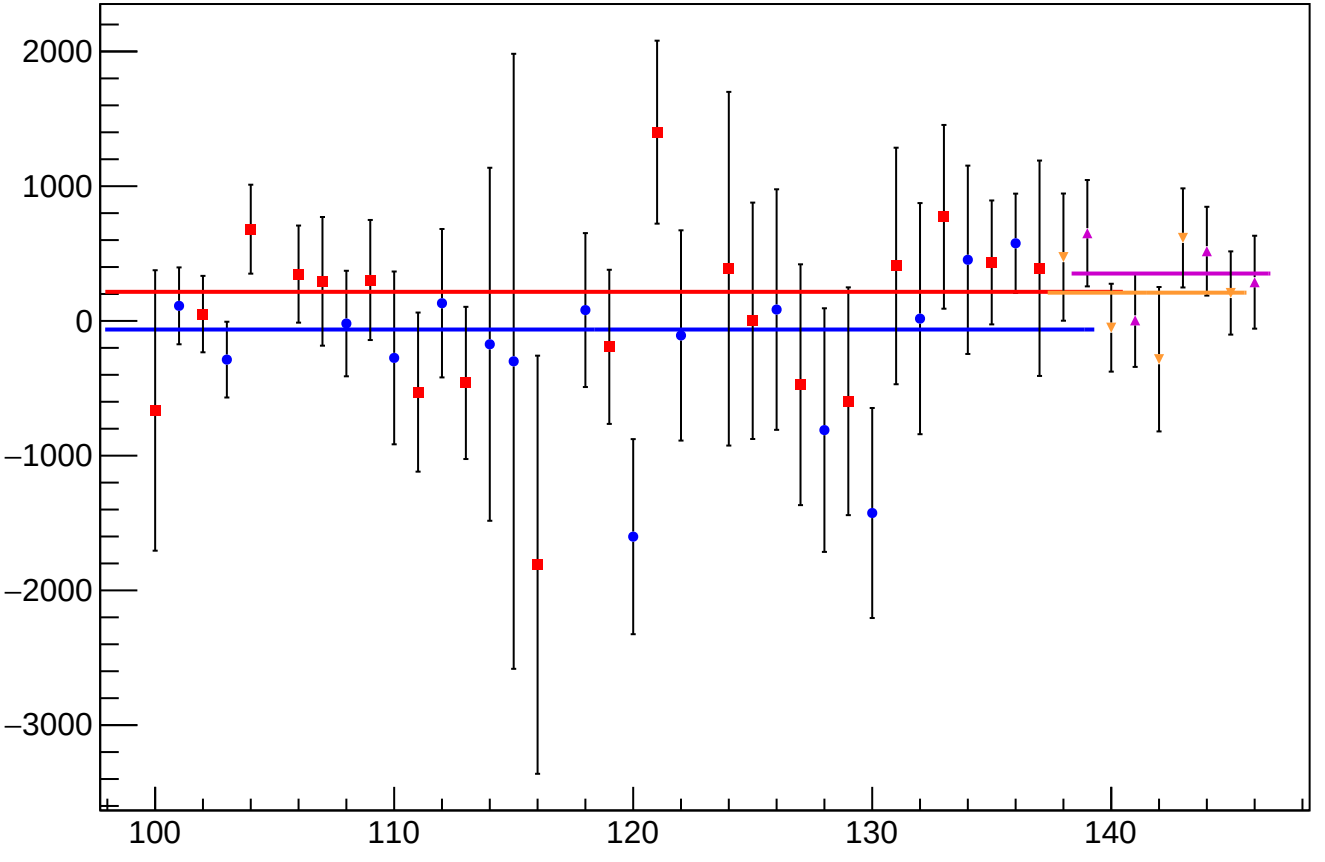
Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

+ sign 59.137+/-0.013 χ^2/NDF: 399135.2/20

All: 58.924+/-0.009 χ^2/NDF: 766438.1/43

- sign 58.715+/-0.013 χ^2/NDF: 366752.2/22

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 209.704+/-168.441 χ^2/NDF:3.0/4

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

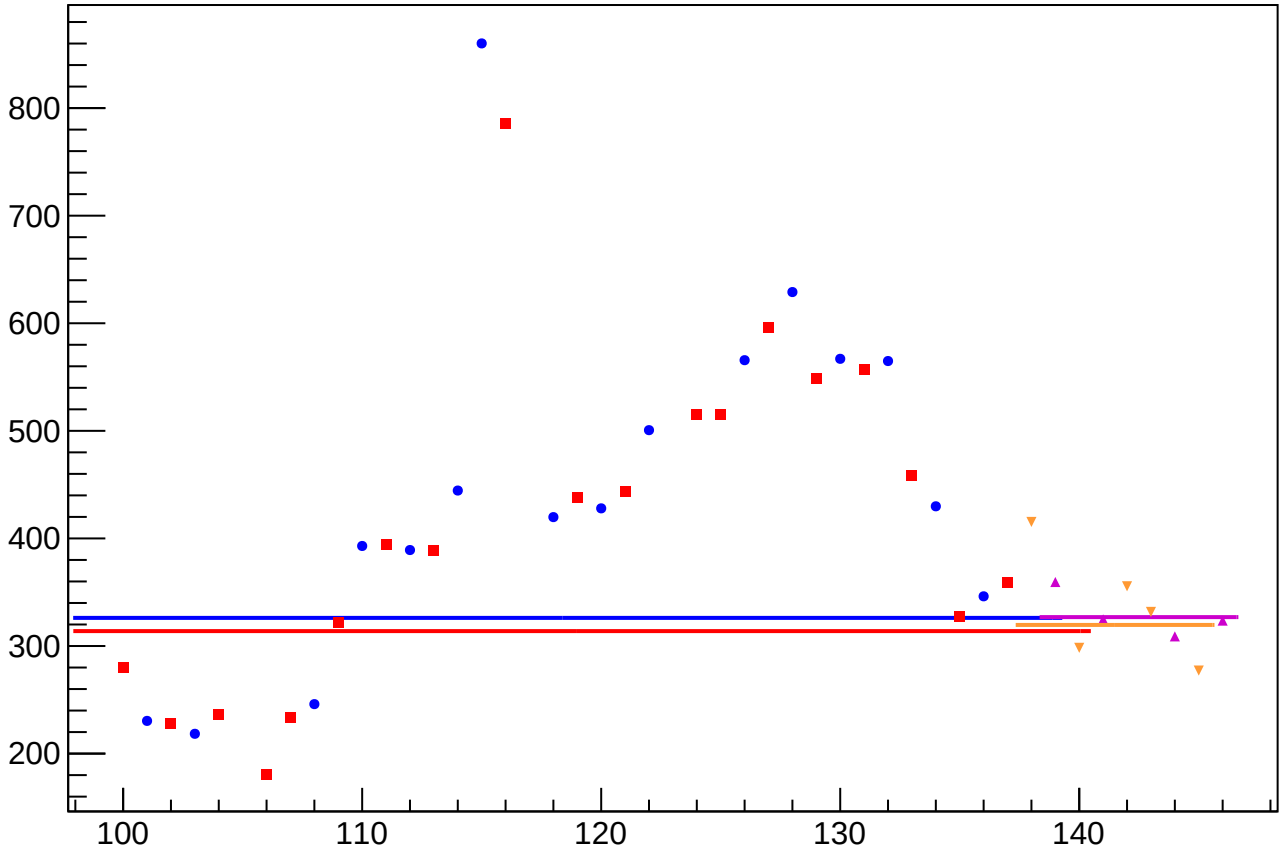
Left In: 351.760+/-175.665 χ^2/NDF:1.9/3

\+ sign 37.966+/-102.753 χ^2/NDF: 17.9/20

All: 151.293+/-72.039 χ^2/NDF: 36.6/43

\- sign 260.843+/-101.026 χ^2/NDF: 16.4/22

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 319.594+/-0.119 χ^2/NDF:139639.9/4

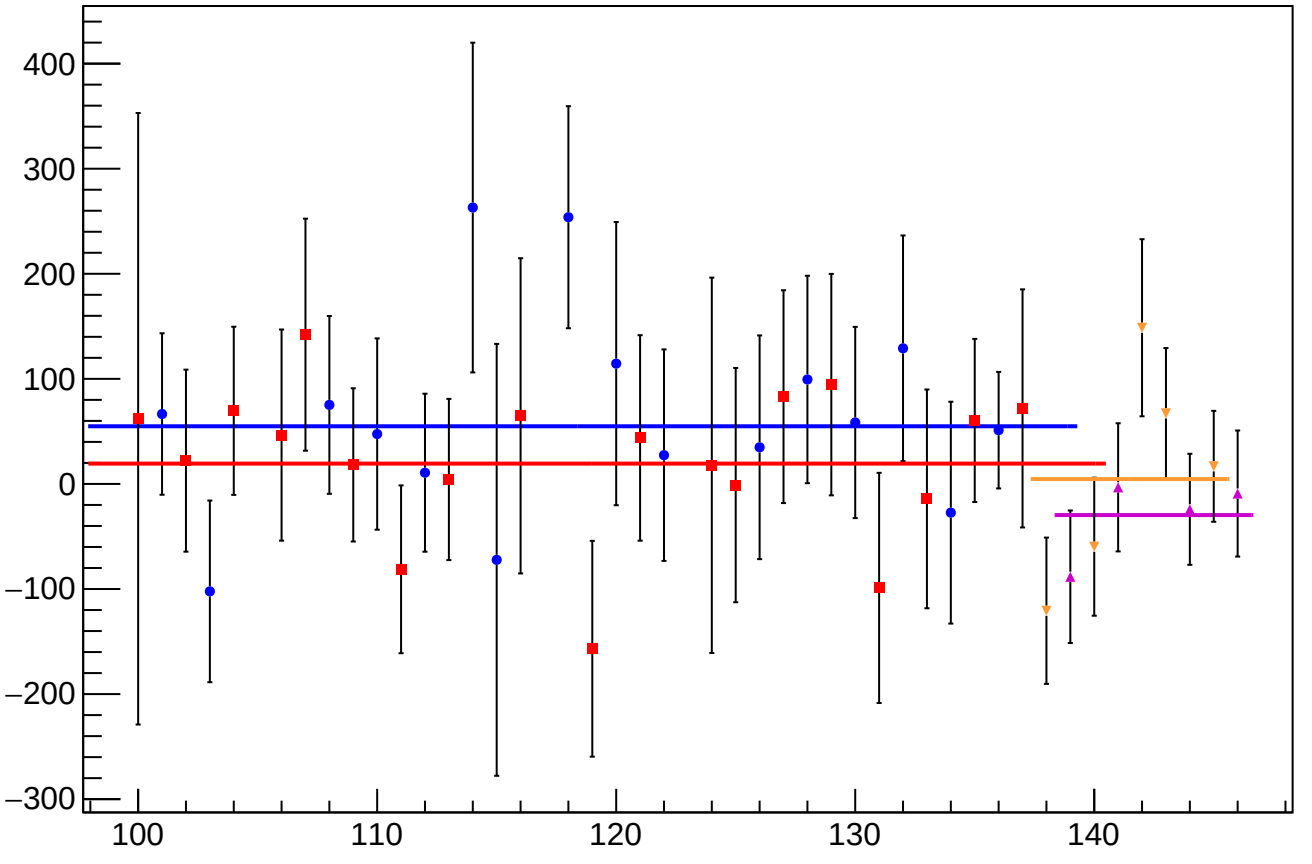
Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 326.861+/-0.124 χ^2/NDF:19825.9/3

+ sign 323.710+/-0.073 χ^2/NDF: 1875477.2/20

All: 320.888+/-0.051 χ^2/NDF: 3711379.7/43

- sign 318.160+/-0.071 χ^2/NDF: 1832935.7/22



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 4.642+/-28.909 χ^2/NDF:8.2/4

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

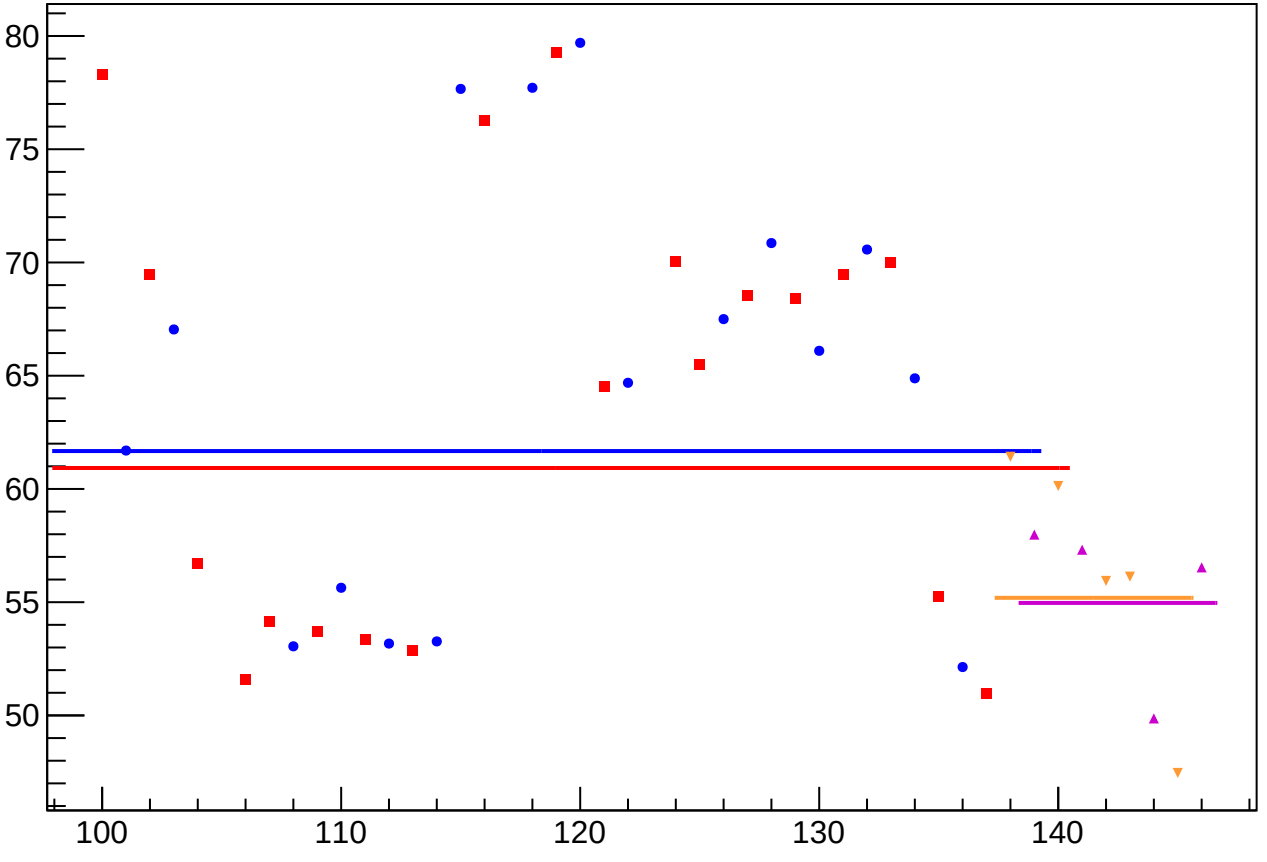
Left In: -29.639+/-29.408 χ^2/NDF:1.2/3

+ sign 35.220+/-18.084 χ^2/NDF: 21.0/20

All: 18.036+/-12.726 χ^2/NDF: 34.9/43

- sign 1.174+/-17.913 χ^2/NDF: 12.1/22

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 55.193+/-0.020 χ^2/NDF:70864.7/4

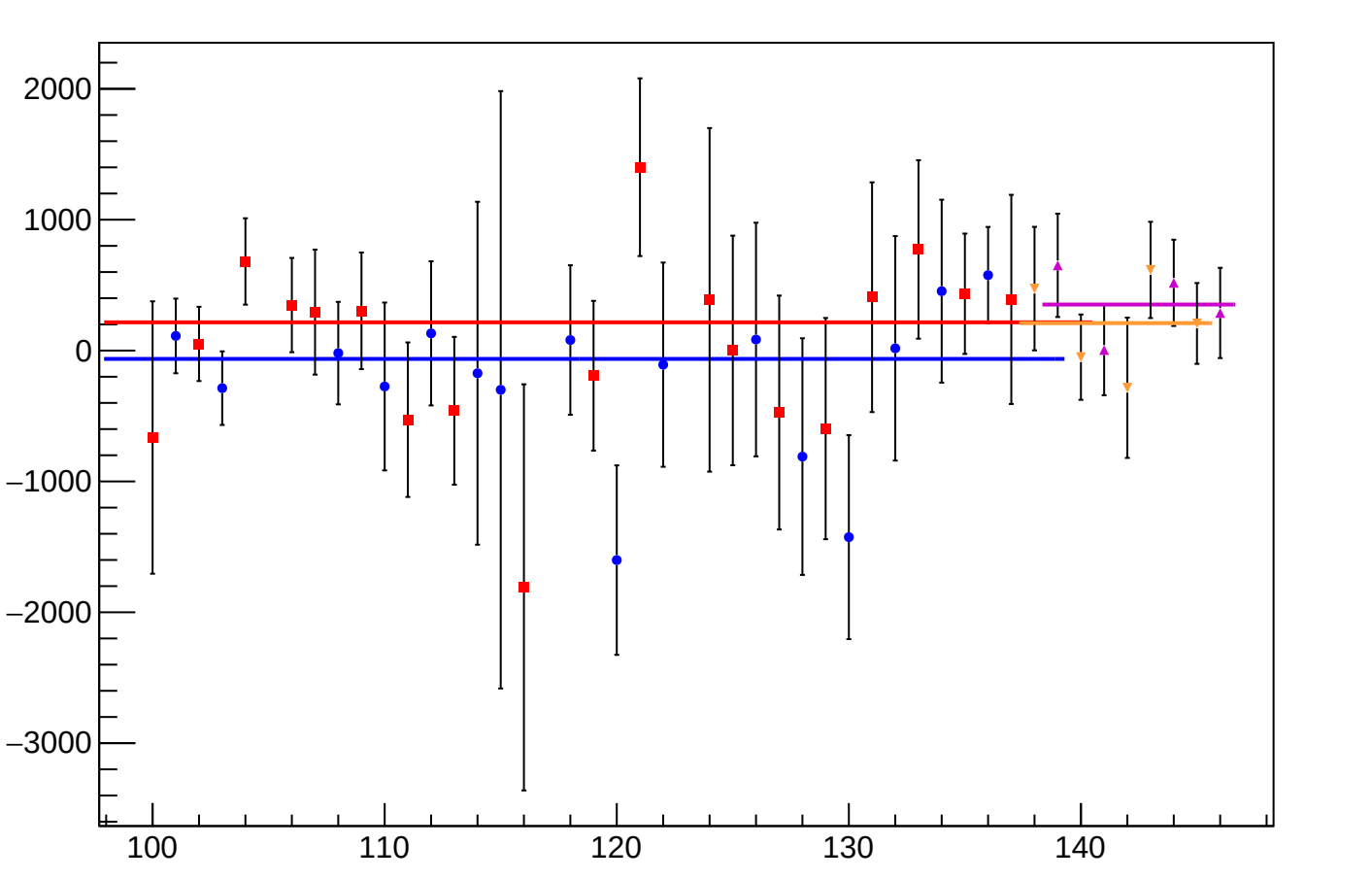
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

+ sign 59.137+/-0.013 χ^2/NDF: 399135.2/20

All: 58.924+/-0.009 χ^2/NDF: 766438.1/43

- sign 58.715+/-0.013 χ^2/NDF: 366752.2/22



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 209.704+/-168.441 χ^2/NDF:3.0/4

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

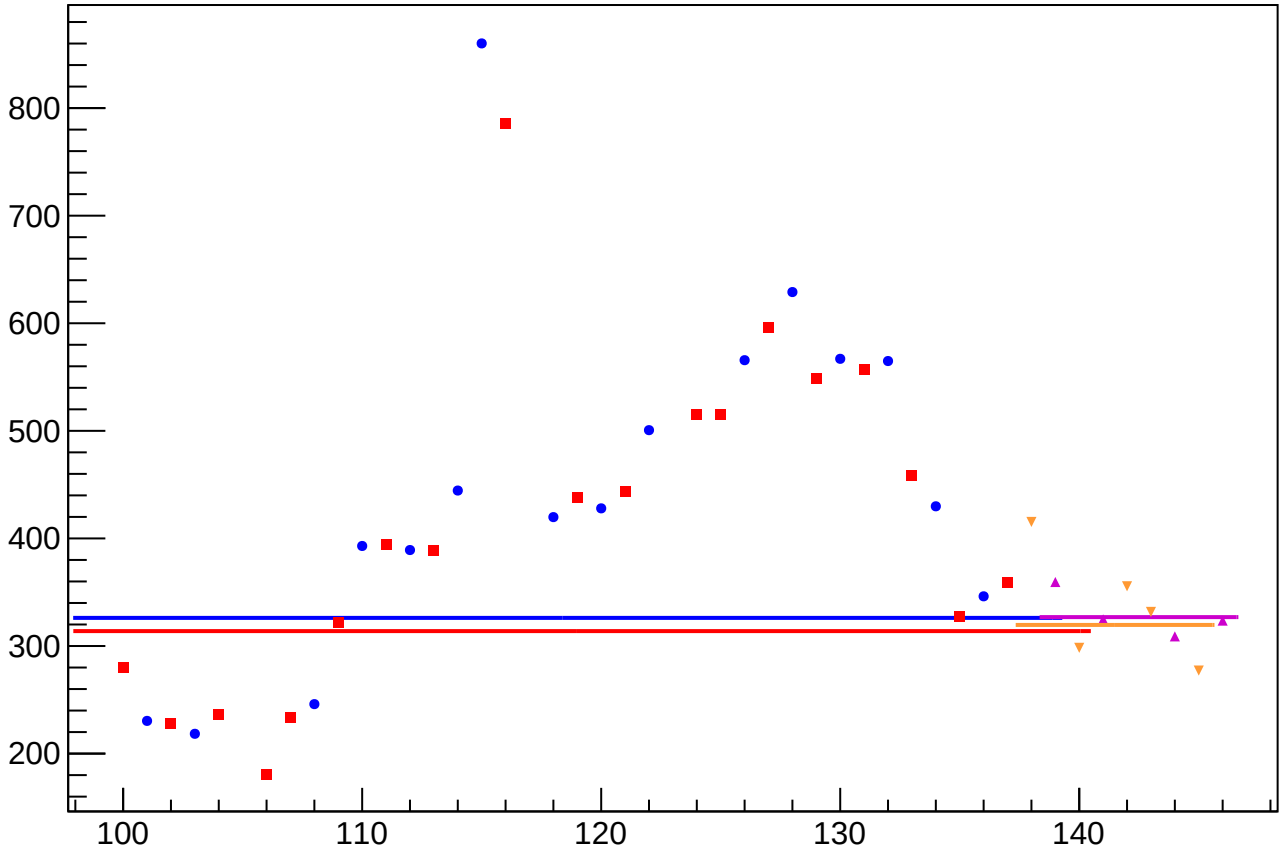
Left In: 351.760+/-175.665 χ^2/NDF:1.9/3

\+ sign 37.966+/-102.753 χ^2/NDF: 17.9/20

All: 151.293+/-72.039 χ^2/NDF: 36.6/43

\- sign 260.843+/-101.026 χ^2/NDF: 16.4/22

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 319.594+/-0.119 χ^2/NDF:139639.9/4

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

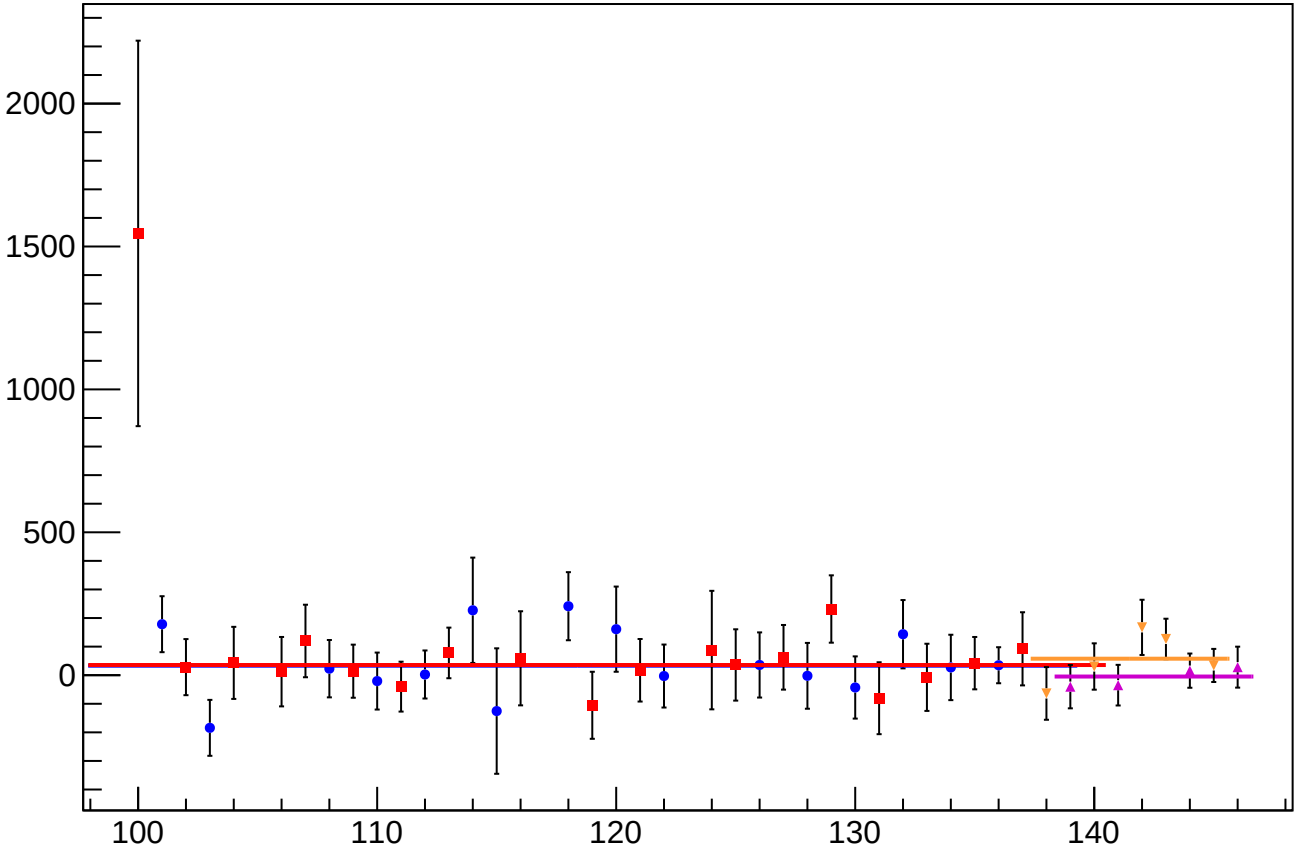
Left In: 326.861+/-0.124 χ^2/NDF:19825.9/3

+ sign 323.710+/-0.073 χ^2/NDF: 1875477.2/20

All: 320.888+/-0.051 χ^2/NDF: 3711379.7/43

- sign 318.160+/-0.071 χ^2/NDF: 1832935.7/22

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 57.723+/-33.814 χ^2/NDF:4.3/4

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

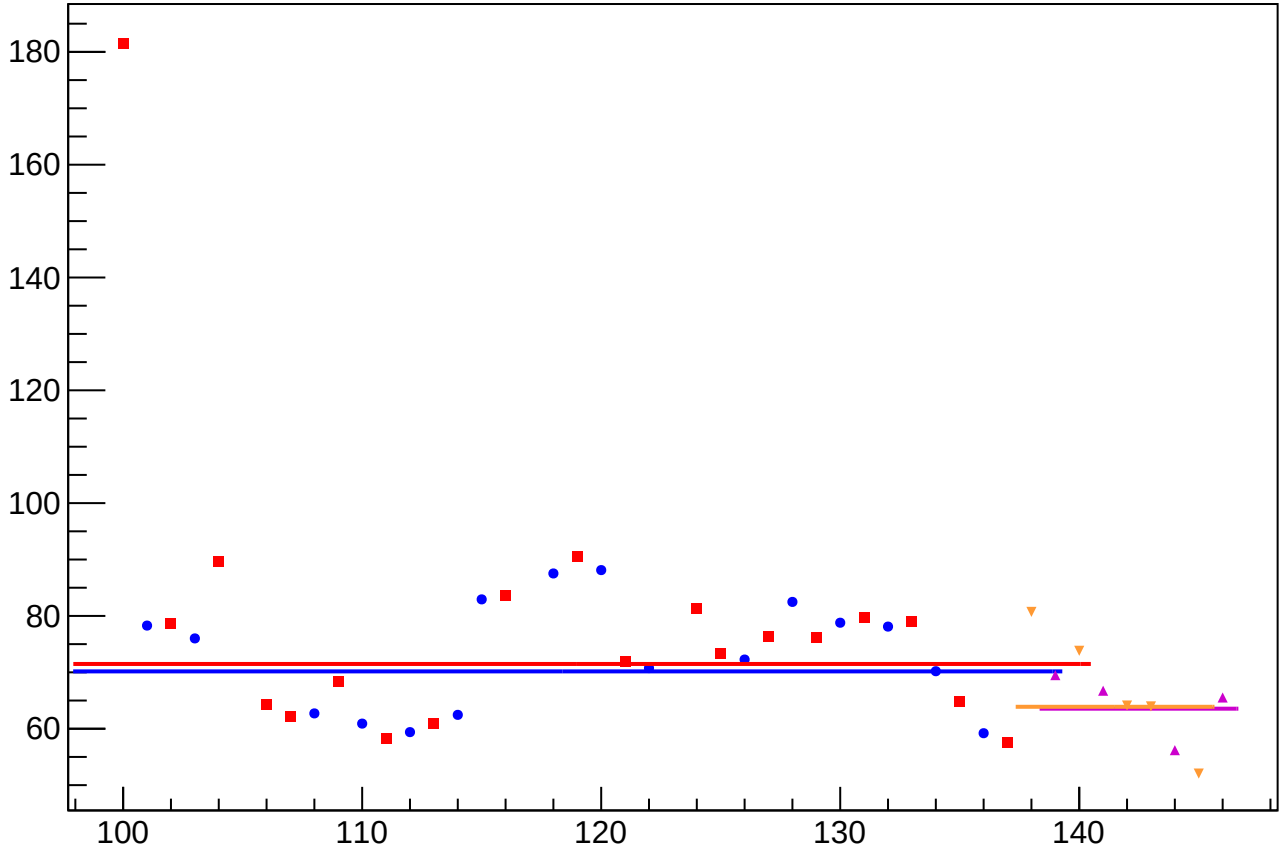
Left In: -4.676+/-34.393 χ^2/NDF:0.7/3

+ sign 42.617+/-20.816 χ^2/NDF: 19.1/20

All: 31.688+/-14.787 χ^2/NDF: 33.4/43

- sign 20.556+/-21.010 χ^2/NDF: 13.7/22

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 63.892+/-0.024 χ^2/NDF:180272.7/4

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

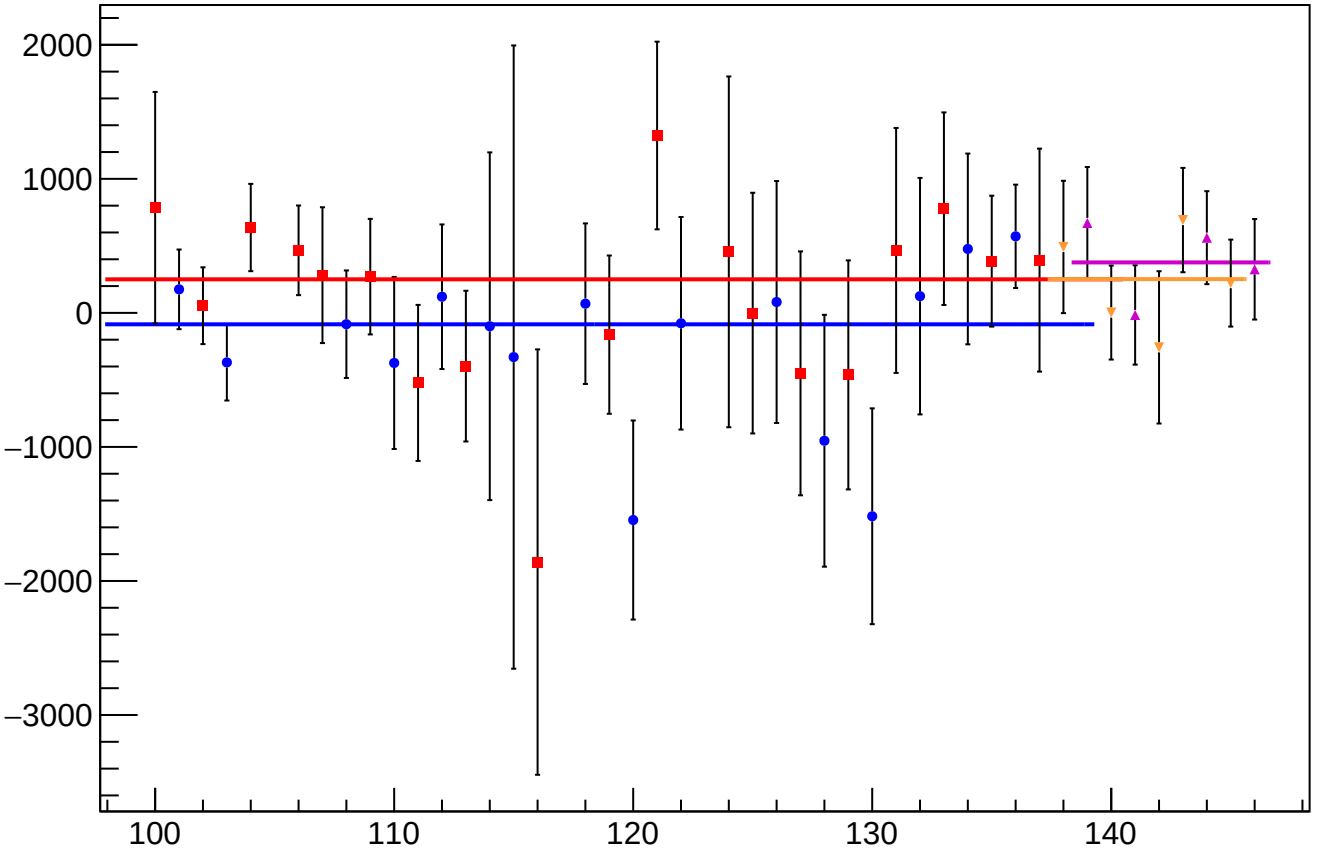
Left In: 63.555+/-0.024 χ^2/NDF:48030.3/3

+ sign 67.789+/-0.015 χ^2/NDF: 492303.7/20

All: 68.153+/-0.010 χ^2/NDF: 933904.6/43

- sign 68.525+/-0.015 χ^2/NDF: 440363.7/22

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 251.887+/-178.321 χ^2/NDF:2.8/4

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

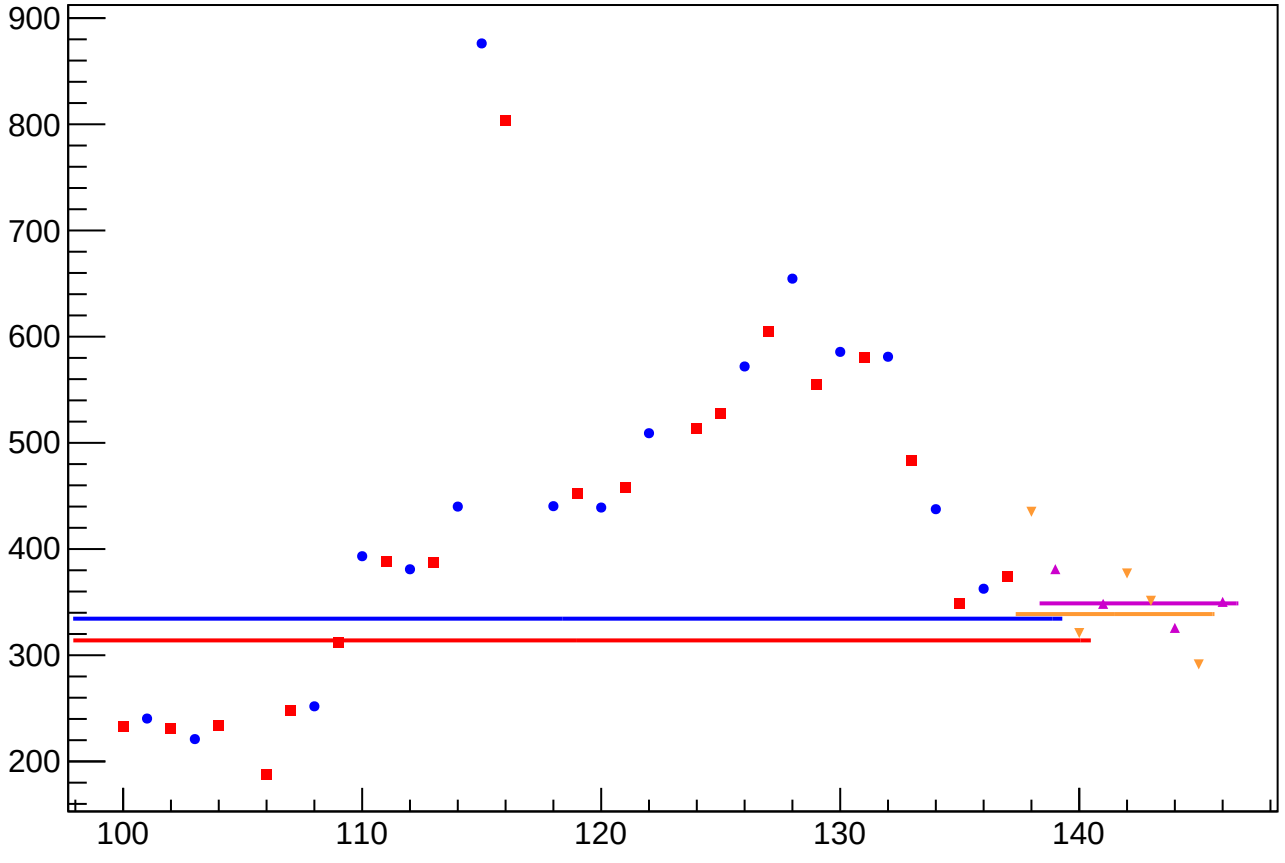
Left In: 376.552+/-187.545 χ^2/NDF:1.9/3

+ sign 35.157+/-106.549 χ^2/NDF: 18.8/20

All: 166.081+/-74.066 χ^2/NDF: 36.5/43

- sign 288.500+/-103.029 χ^2/NDF: 14.7/22

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 338.770+/-0.126 χ^2/NDF:135188.0/4

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

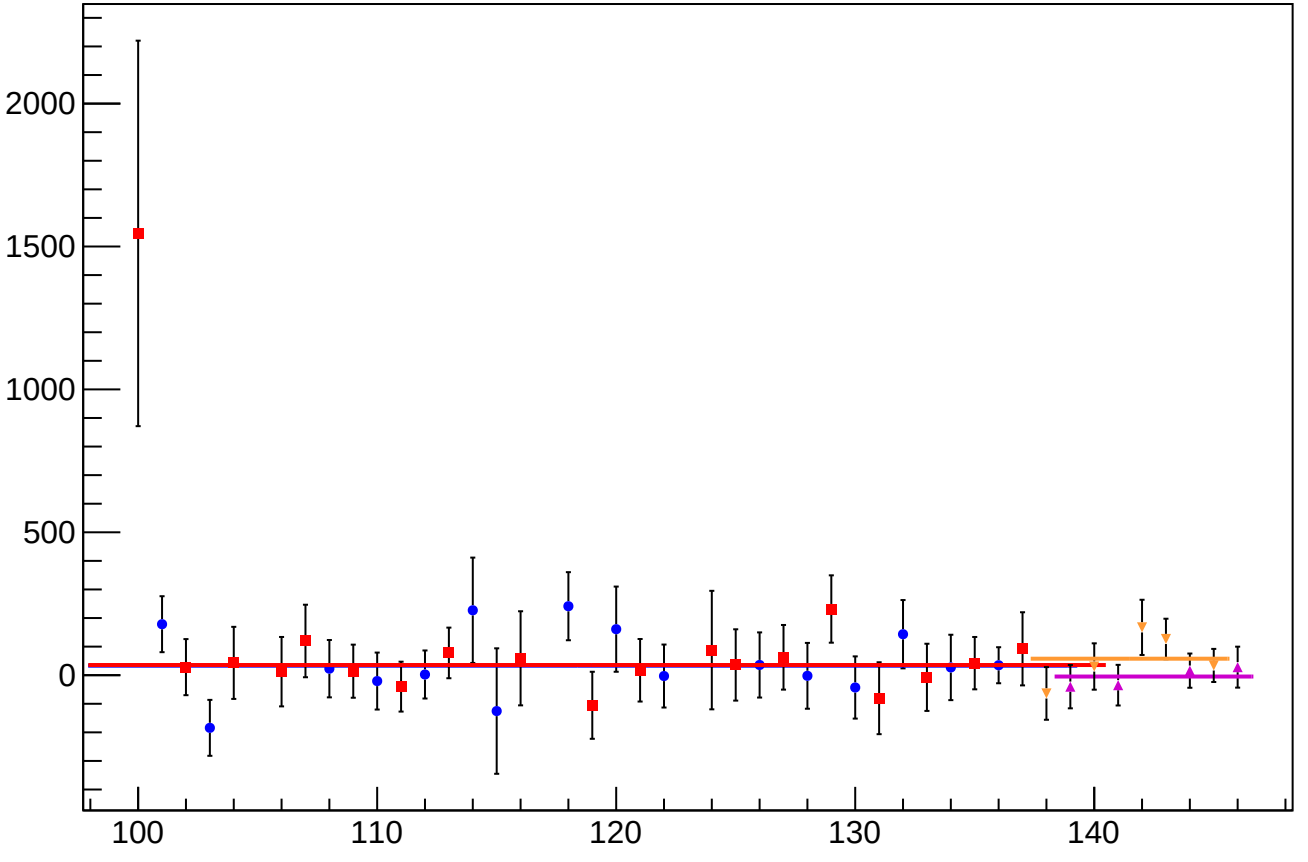
Left In: 348.834+/-0.133 χ^2/NDF:20797.1/3

+ sign 335.980+/-0.075 χ^2/NDF: 1866559.7/20

All: 330.043+/-0.052 χ^2/NDF: 3852230.7/43

- sign 324.493+/-0.073 χ^2/NDF: 1973656.6/22

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 57.722+/-33.814 χ^2/NDF:4.3/4

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

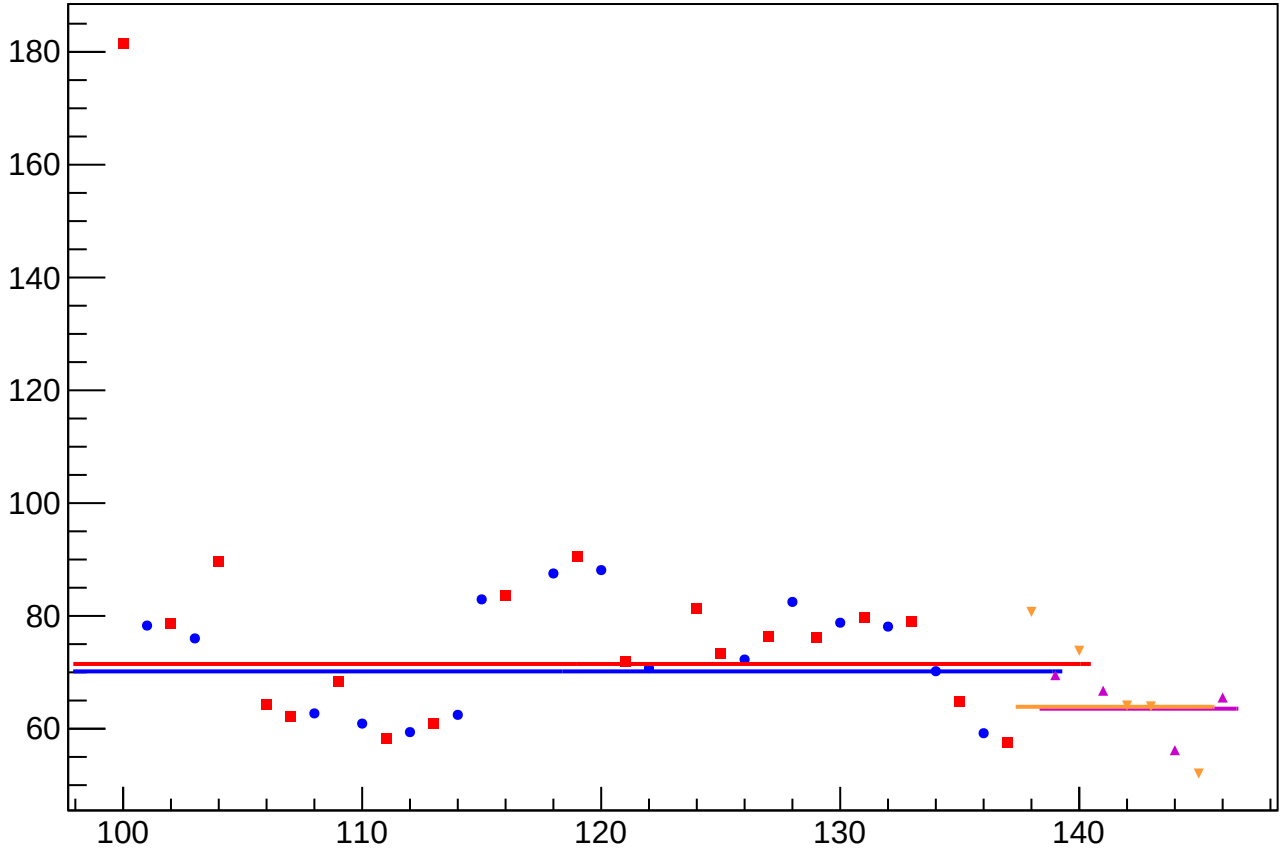
Left In: -4.677+/-34.393 χ^2/NDF:0.7/3

+ sign 42.616+/-20.816 χ^2/NDF: 19.1/20

All: 31.688+/-14.787 χ^2/NDF: 33.4/43

- sign 20.556+/-21.010 χ^2/NDF: 13.7/22

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 63.892+/-0.024 χ^2/NDF:180273.6/4

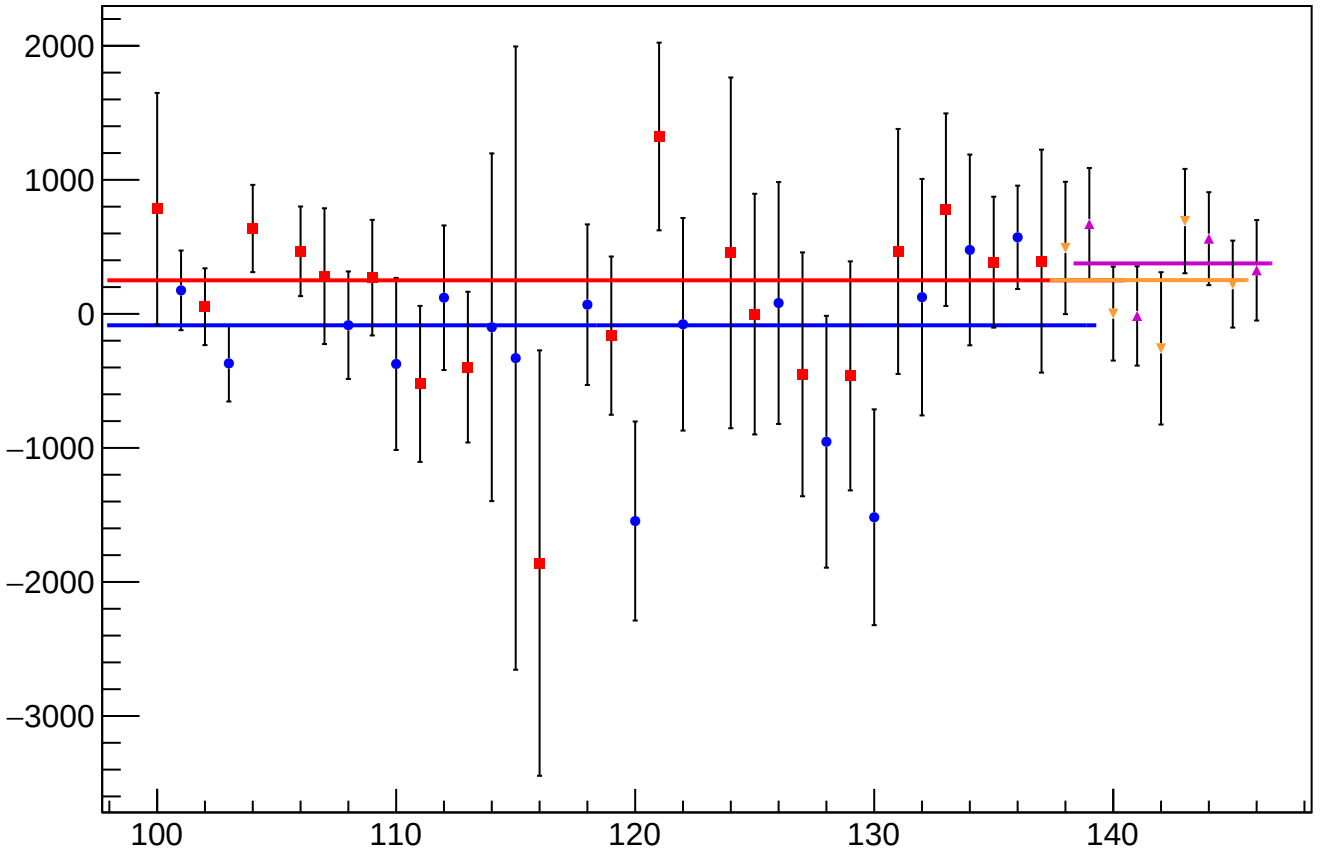
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 63.555+/-0.024 χ^2/NDF:48028.9/3

+ sign 67.789+/-0.015 χ^2/NDF: 492311.2/20

All: 68.153+/-0.010 χ^2/NDF: 933920.0/43

- sign 68.525+/-0.015 χ^2/NDF: 440371.4/22



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 251.887+/-178.321 χ^2/NDF:2.8/4

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

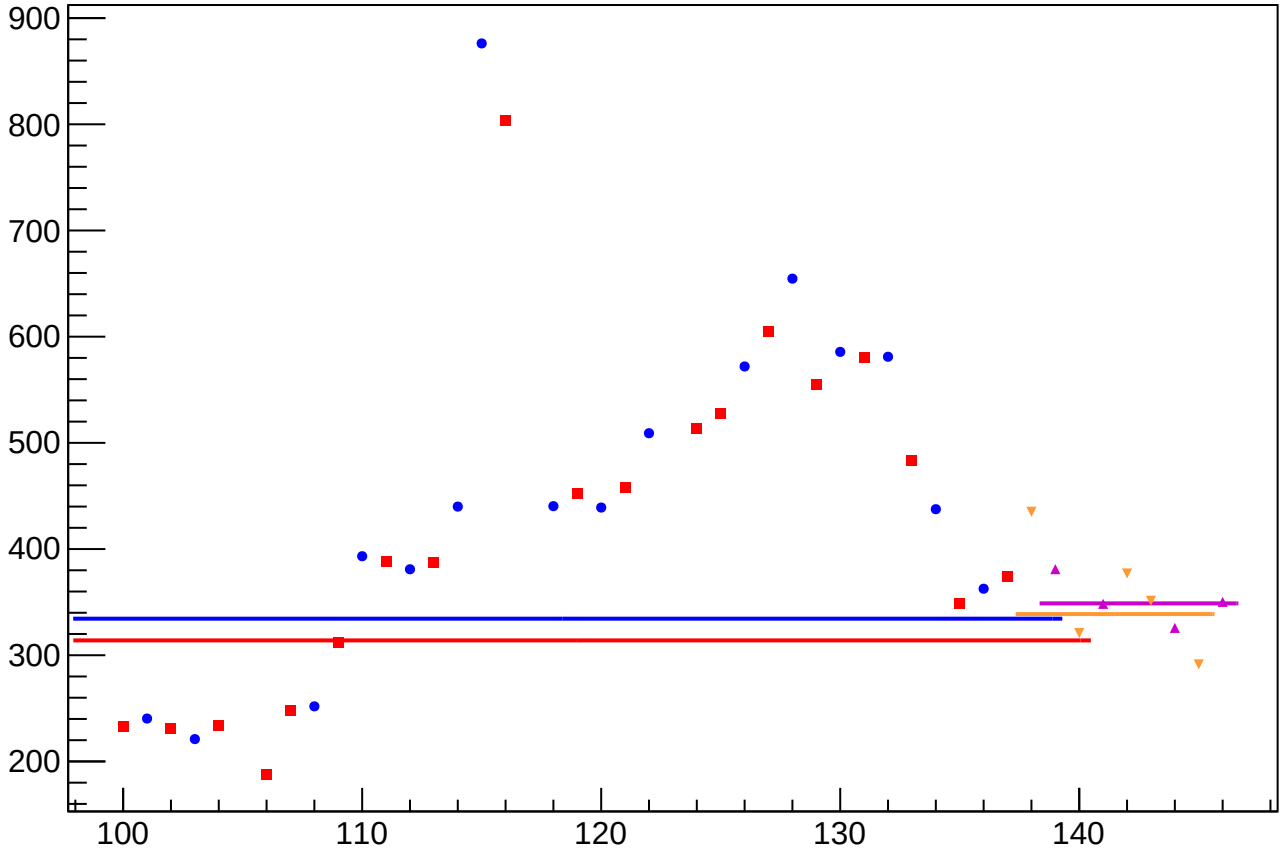
Left In: 376.551+/-187.545 χ^2/NDF:1.9/3

+ sign 35.156+/-106.549 χ^2/NDF: 18.8/20

All: 166.081+/-74.066 χ^2/NDF: 36.5/43

- sign 288.500+/-103.029 χ^2/NDF: 14.7/22

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 338.770+/-0.126 χ^2/NDF:135189.3/4

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

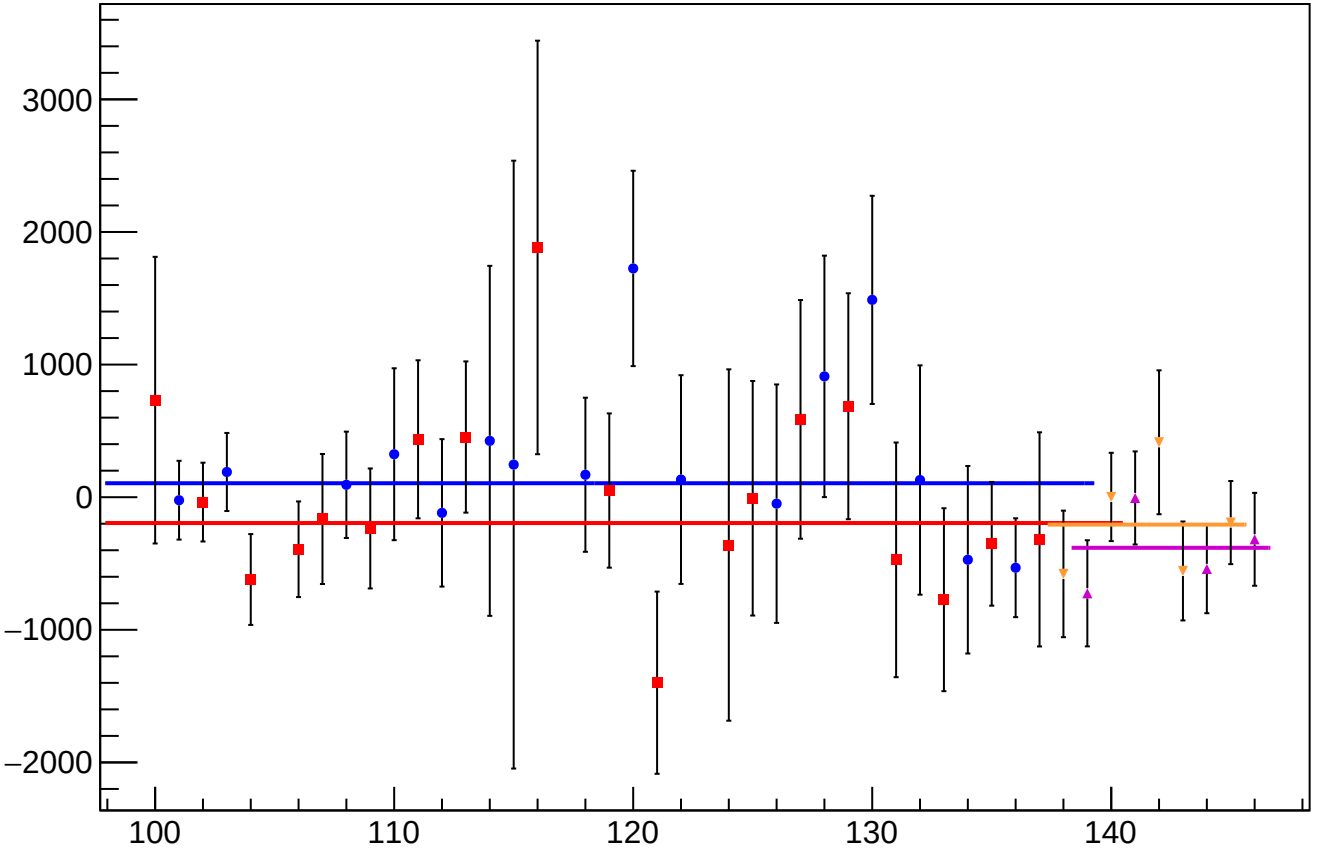
Left In: 348.834+/-0.133 χ^2/NDF:20797.0/3

+ sign 335.980+/-0.075 χ^2/NDF: 1866559.8/20

All: 330.043+/-0.052 χ^2/NDF: 3852228.9/43

- sign 324.492+/-0.073 χ^2/NDF: 1973654.8/22

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -206.668+/-171.053 χ^2/NDF:3.2/4

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

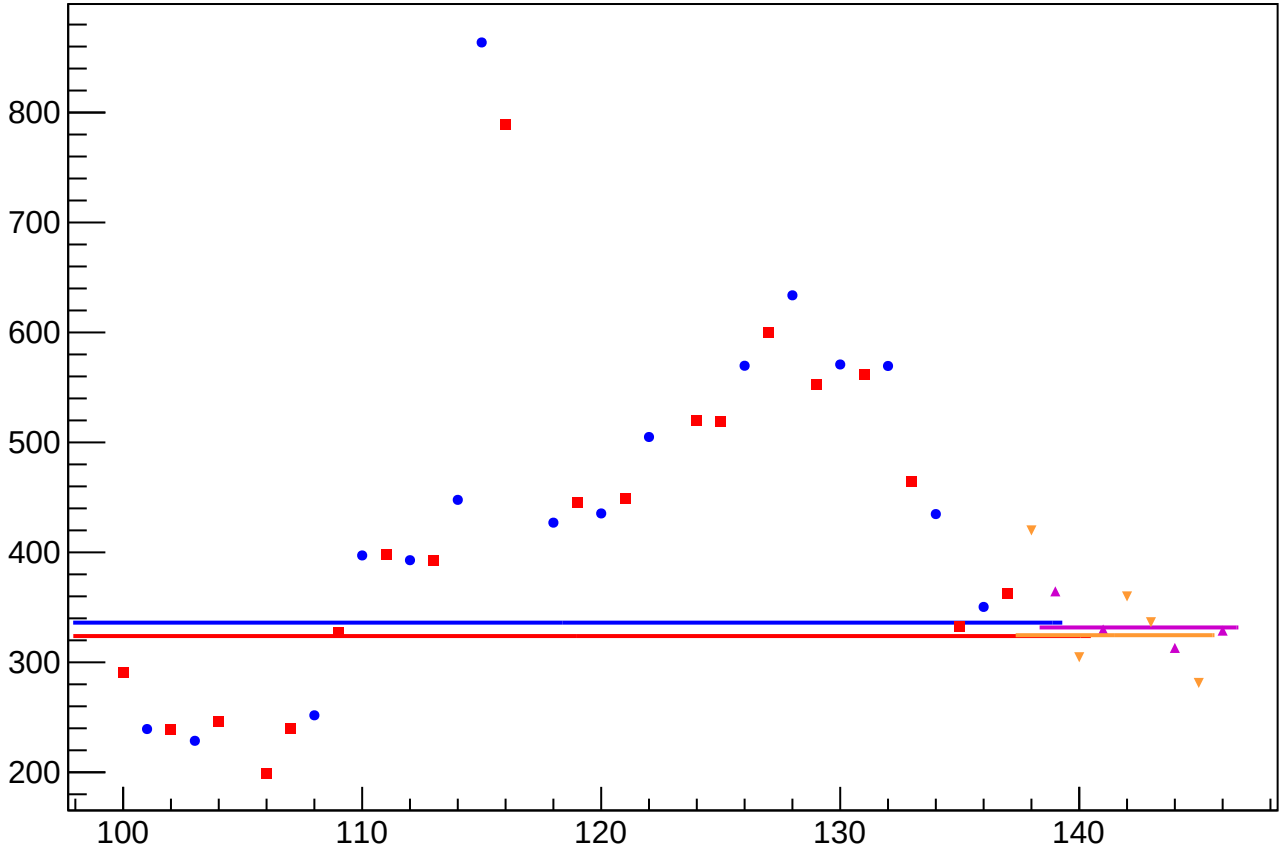
Left In: -381.632+/-178.227 χ^2/NDF:2.1/3

\+ sign -12.237+/-105.019 χ^2/NDF: 18.2/20

All: -137.069+/-73.533 χ^2/NDF: 37.0/43

\- sign -257.133+/-102.994 χ^2/NDF: 16.0/22

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 324.670+/-0.121 χ^2/NDF:135860.1/4

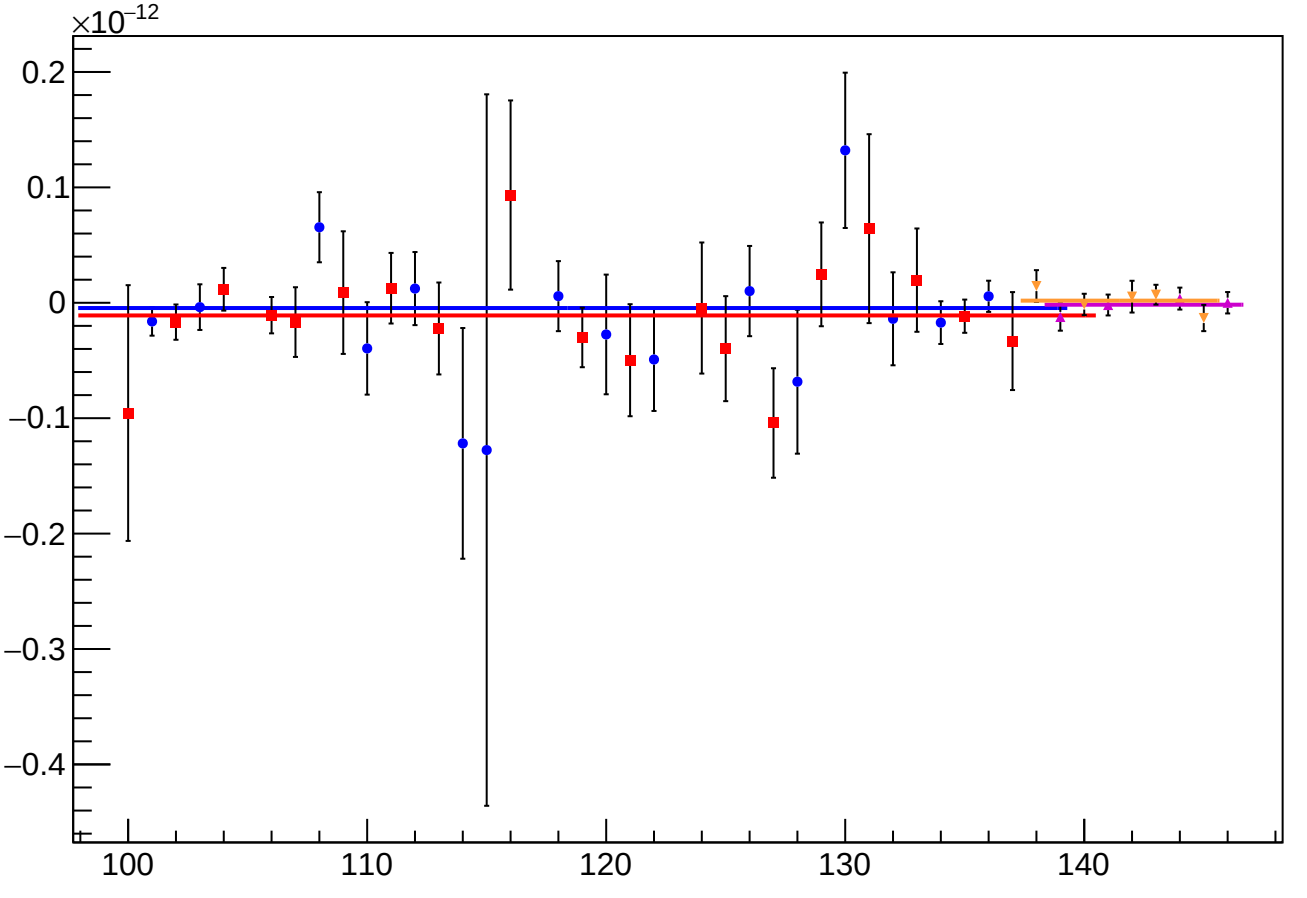
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 331.713+/-0.126 χ^2/NDF:19878.2/3

+ sign 331.787+/-0.074 χ^2/NDF: 1760413.8/20

All: 329.091+/-0.052 χ^2/NDF: 3450866.1/43

- sign 326.499+/-0.073 χ^2/NDF: 1687868.2/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

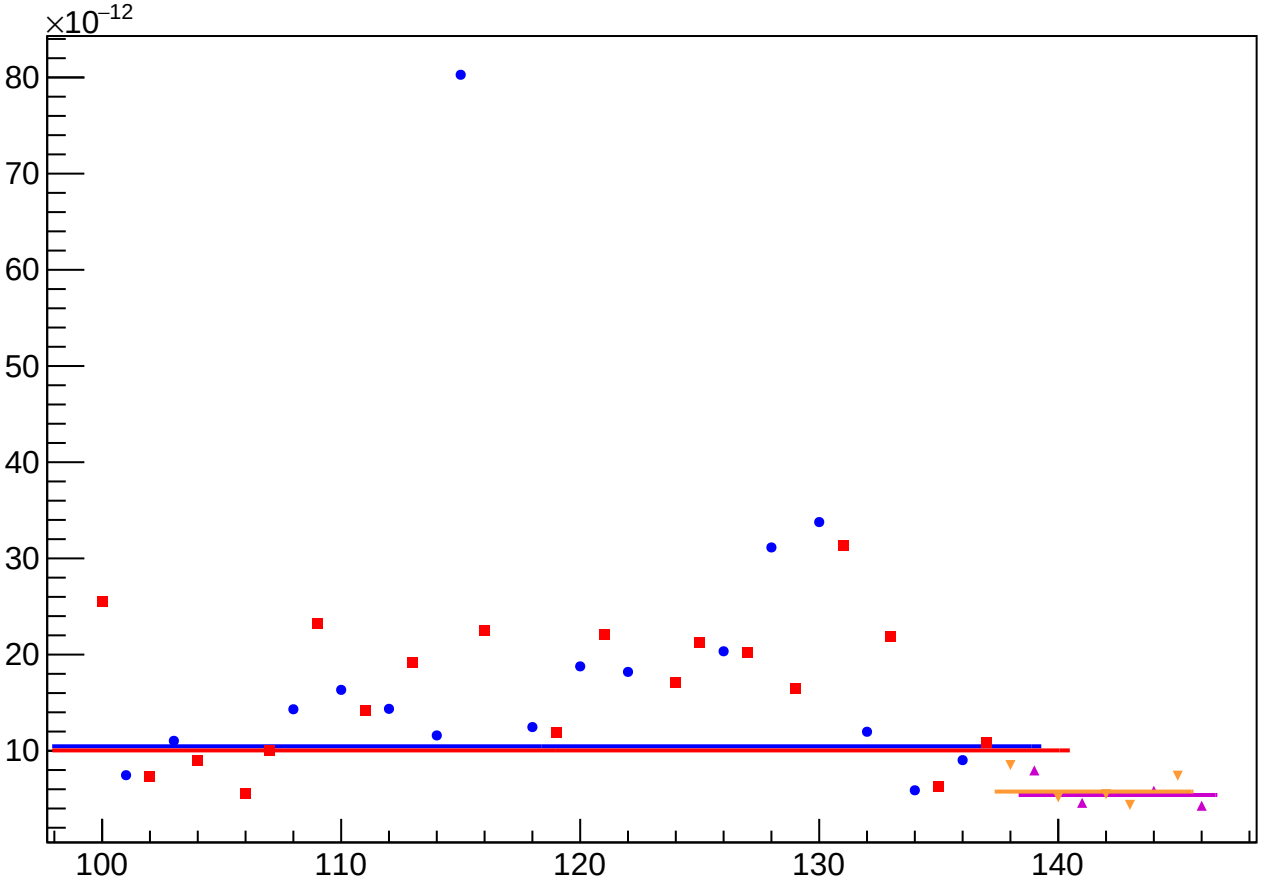
Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.3/20

All: -0.000+/-0.000 χ^2/NDF: 35.8/43

- sign -0.000+/-0.000 χ^2/NDF: 14.8/22

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:183277.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

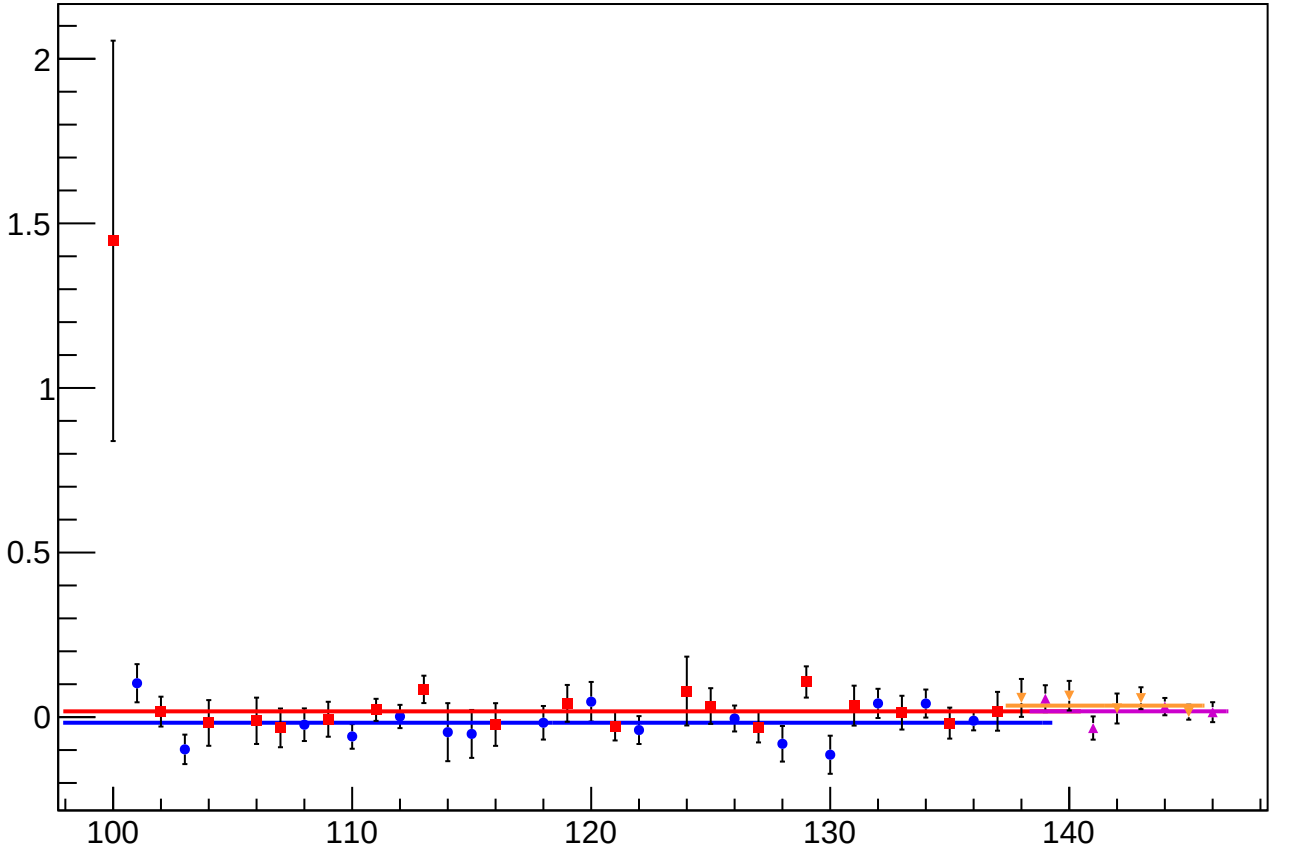
Left In: 0.000+/-0.000 χ^2/NDF:141827.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 2054073.1/20

All: 0.000+/-0.000 χ^2/NDF: 4280186.5/43

- sign 0.000+/-0.000 χ^2/NDF: 2218744.9/22

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: 0.035+/-0.016 χ^2/NDF:1.9/4

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

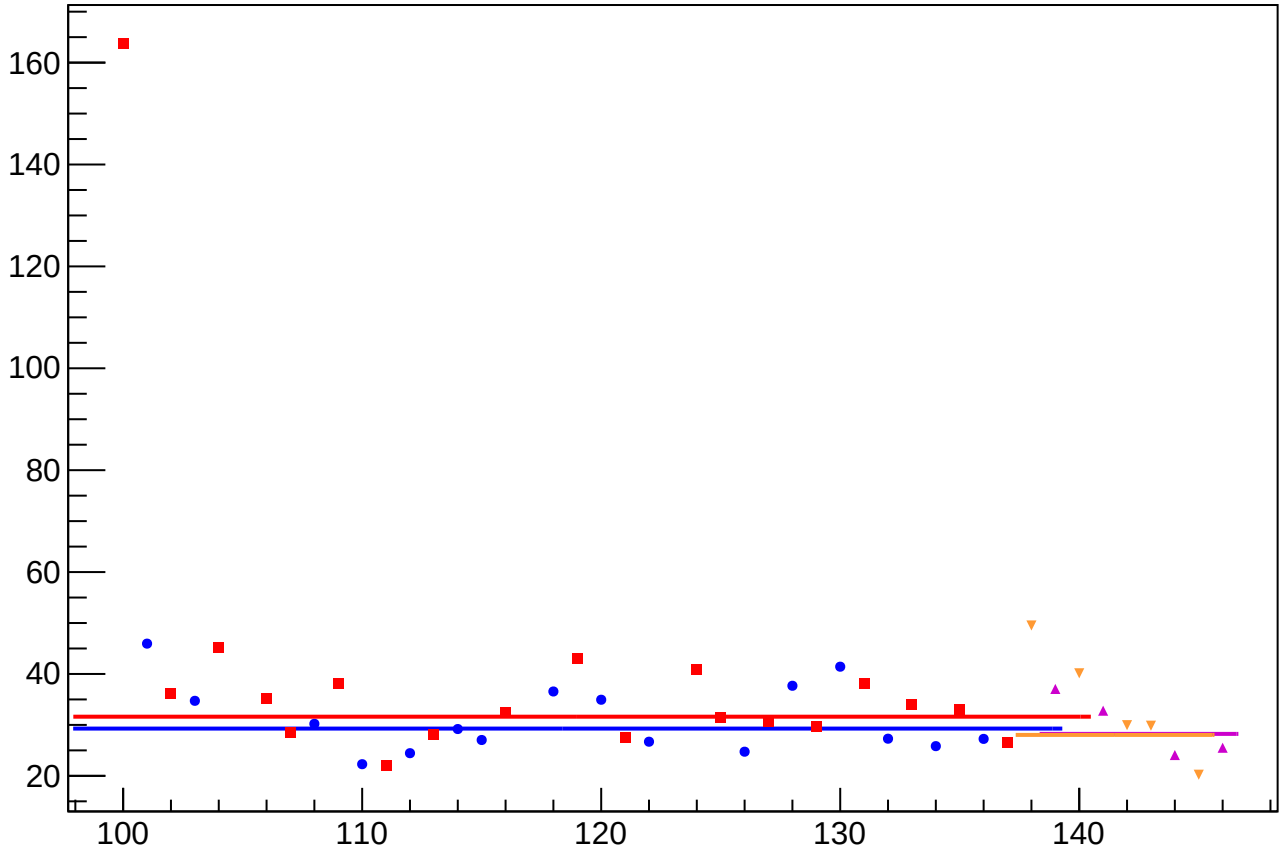
Left In: 0.018+/-0.016 χ^2/NDF:3.3/3

+ sign 0.001+/-0.009 χ^2/NDF: 28.0/20

All: 0.009+/-0.007 χ^2/NDF: 49.6/43

- sign 0.018+/-0.010 χ^2/NDF: 20.1/22

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: 28.036+/-0.011 χ^2/NDF:666493.3/4

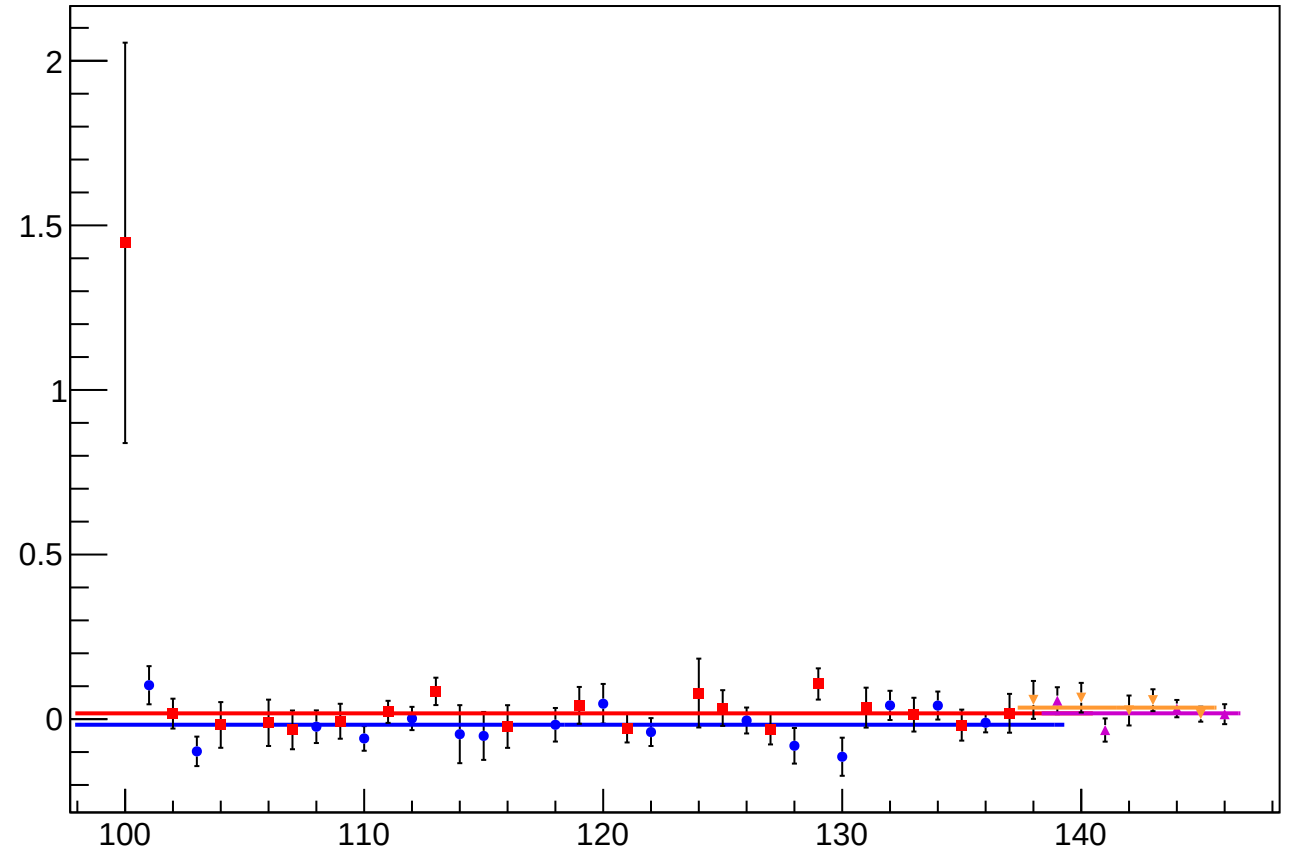
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.236+/-0.011 χ^2/NDF:192465.0/3

+ sign 28.849+/-0.006 χ^2/NDF: 1235438.6/20

All: 29.576+/-0.005 χ^2/NDF: 2083498.5/43

- sign 30.378+/-0.007 χ^2/NDF: 821633.8/22



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

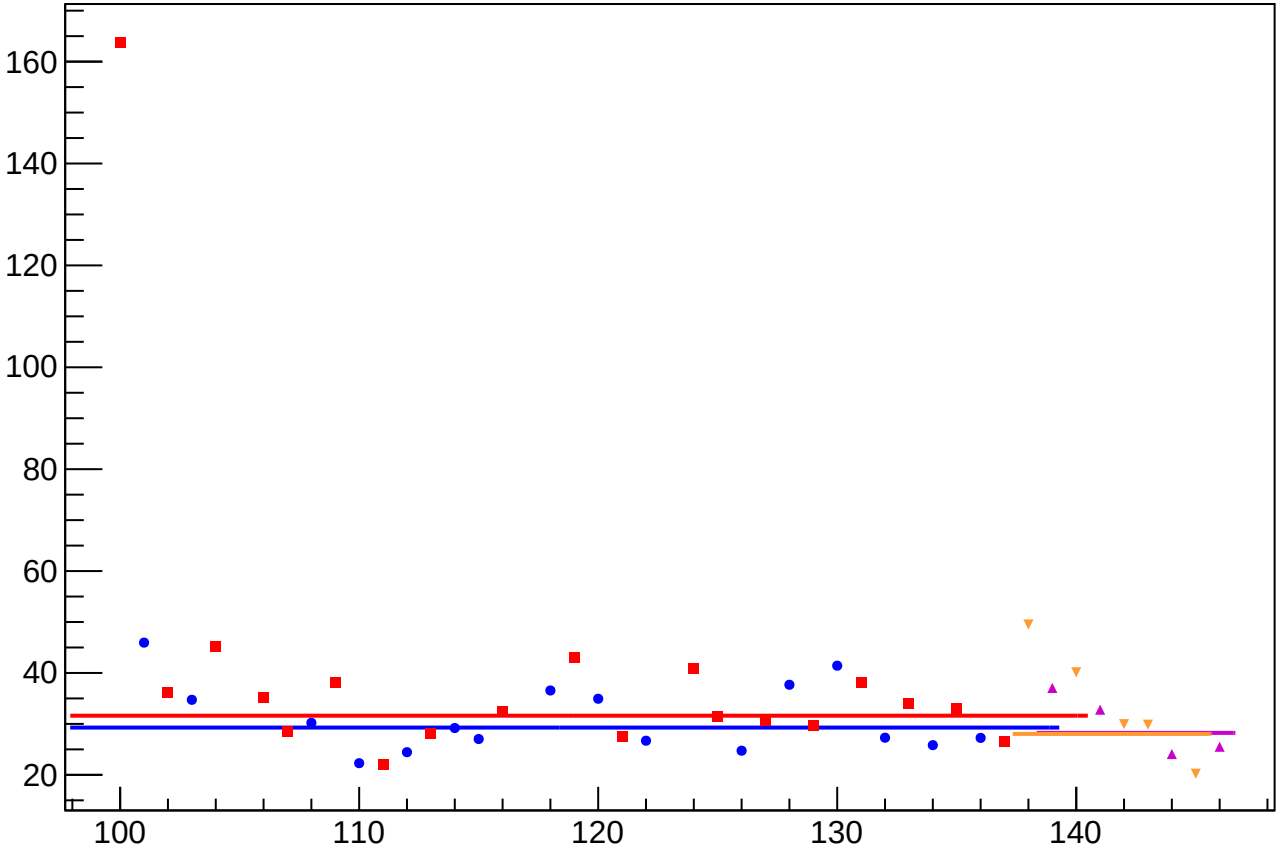
Left In: 0.018+/-0.016 χ^2/NDF:3.3/3

+ sign 0.001+/-0.009 χ^2/NDF: 28.0/20

All: 0.009+/-0.007 χ^2/NDF: 49.6/43

- sign 0.018+/-0.010 χ^2/NDF: 20.1/22

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.036+/-0.011 χ^2/NDF:666493.3/4

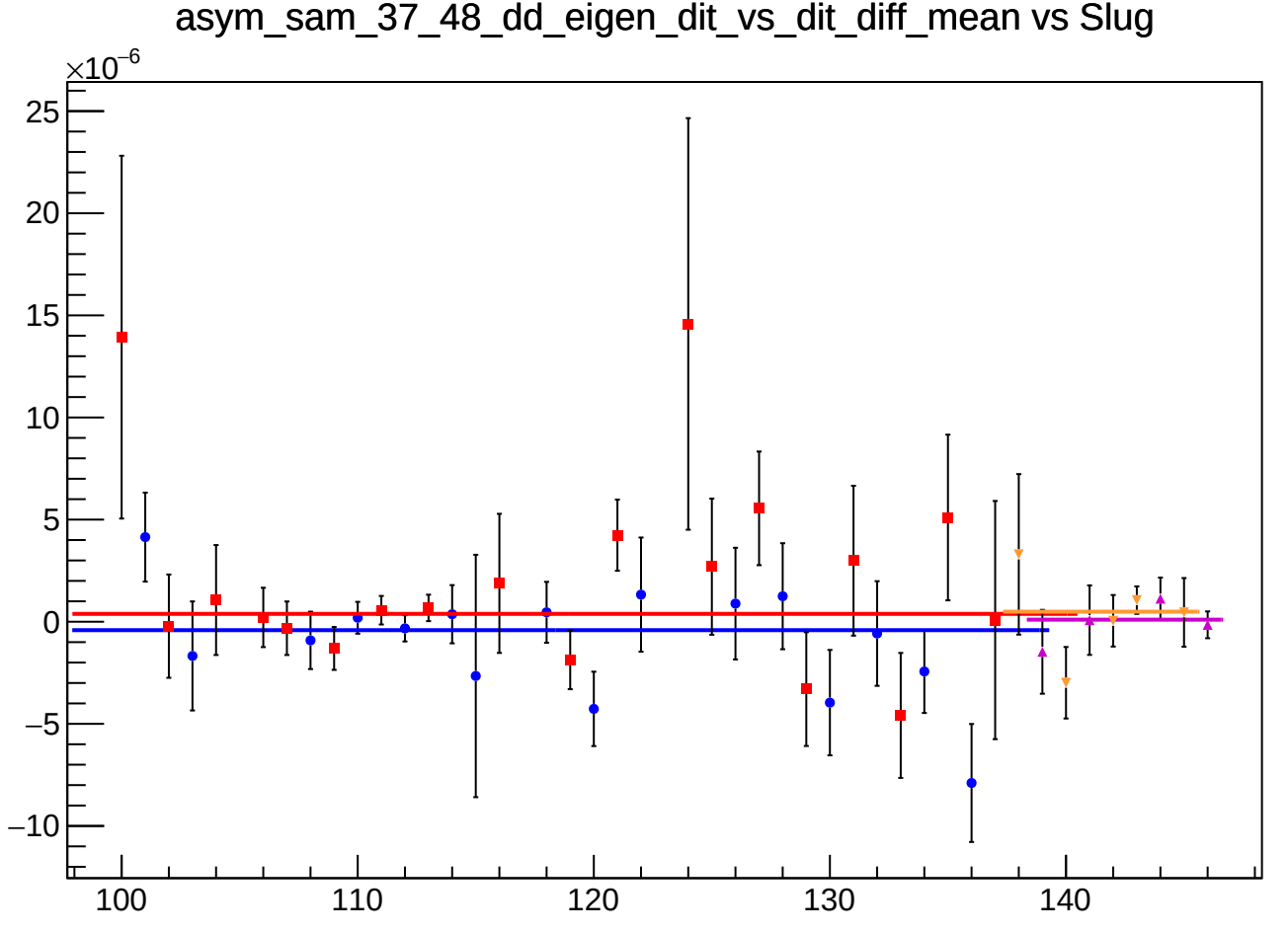
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.236+/-0.011 χ^2/NDF:192465.0/3

+ sign 28.849+/-0.006 χ^2/NDF: 1235438.6/20

All: 29.576+/-0.005 χ^2/NDF: 2083498.5/43

- sign 30.378+/-0.007 χ^2/NDF: 821633.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/4

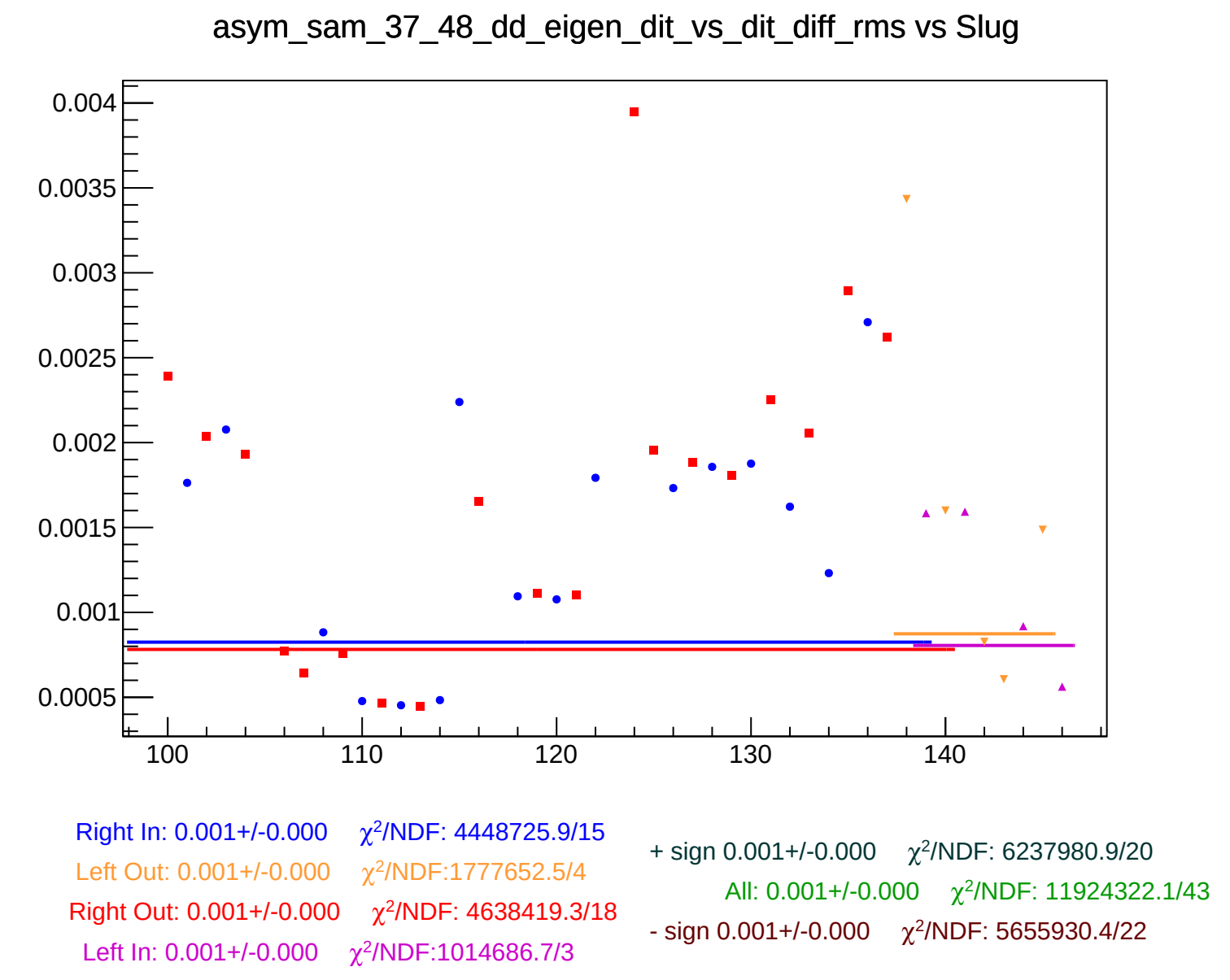
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

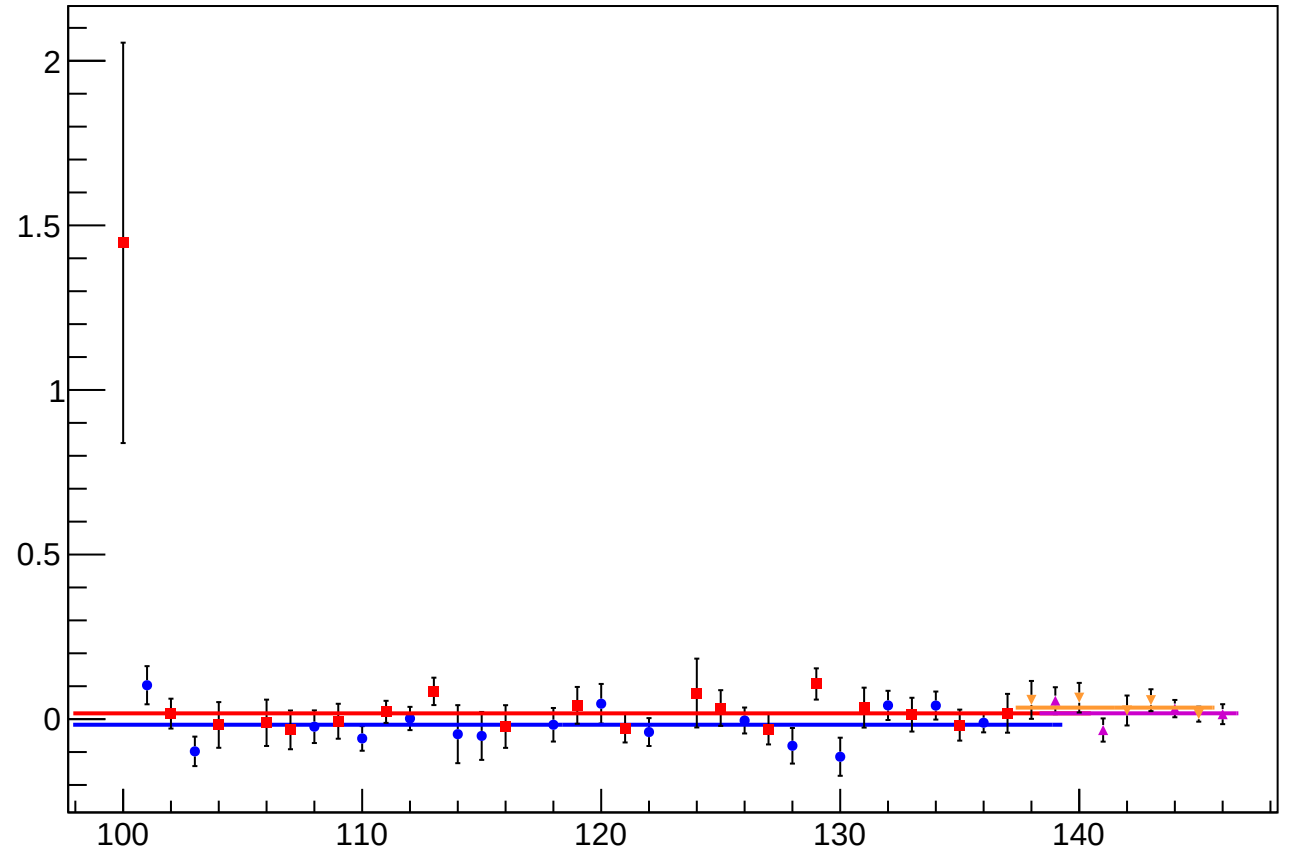
Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/20

All: 0.000+/-0.000 χ^2/NDF: 56.7/43

- sign 0.000+/-0.000 χ^2/NDF: 27.2/22


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1777652.5/4
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:1014686.7/3
+ sign 0.001+/-0.000 χ²/NDF: 6237980.9/20
All: 0.001+/-0.000 χ²/NDF: 11924322.1/43
- sign 0.001+/-0.000 χ²/NDF: 5655930.4/22



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

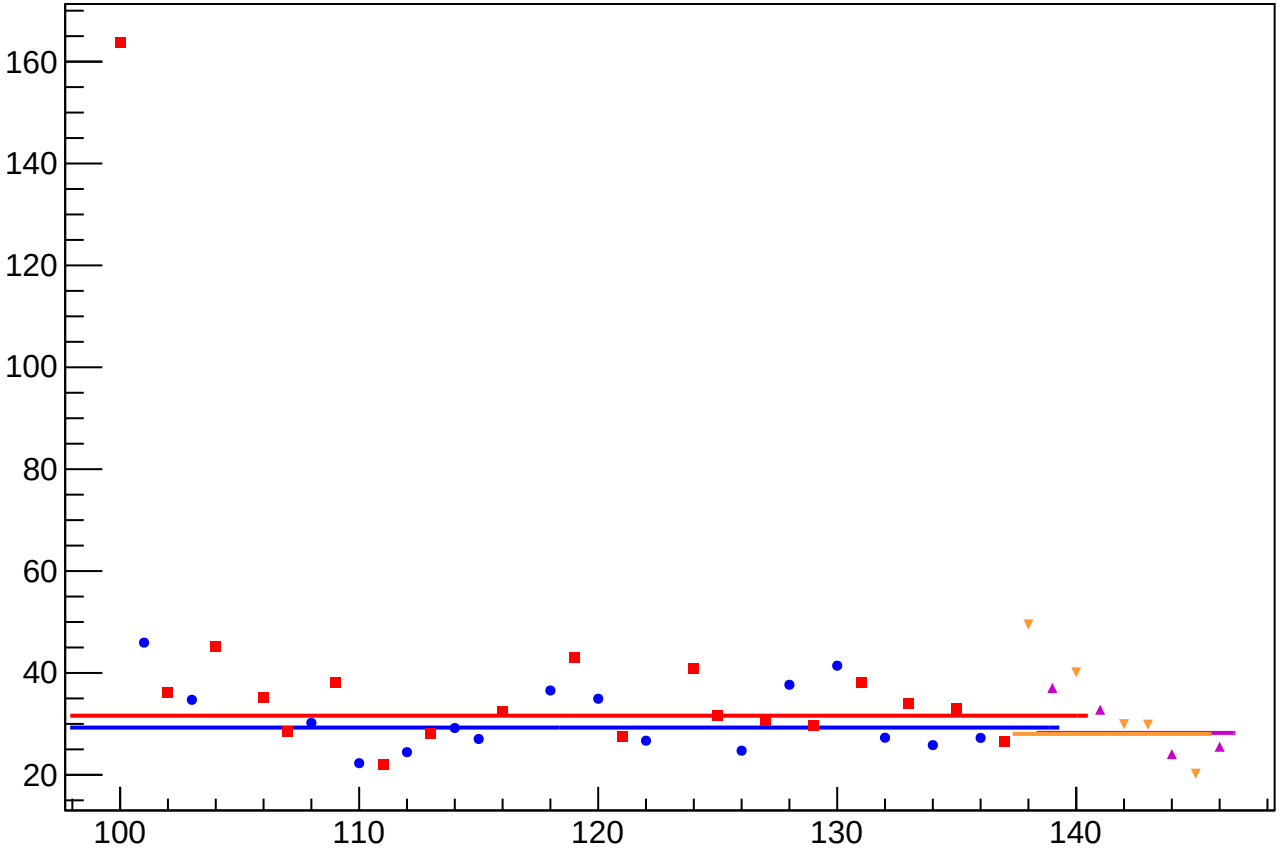
Left In: 0.018+/-0.016 χ^2/NDF:3.3/3

+ sign 0.001+/-0.009 χ^2/NDF: 28.0/20

All: 0.009+/-0.007 χ^2/NDF: 49.6/43

- sign 0.018+/-0.010 χ^2/NDF: 20.1/22

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.036+/-0.011 χ^2/NDF:666537.0/4

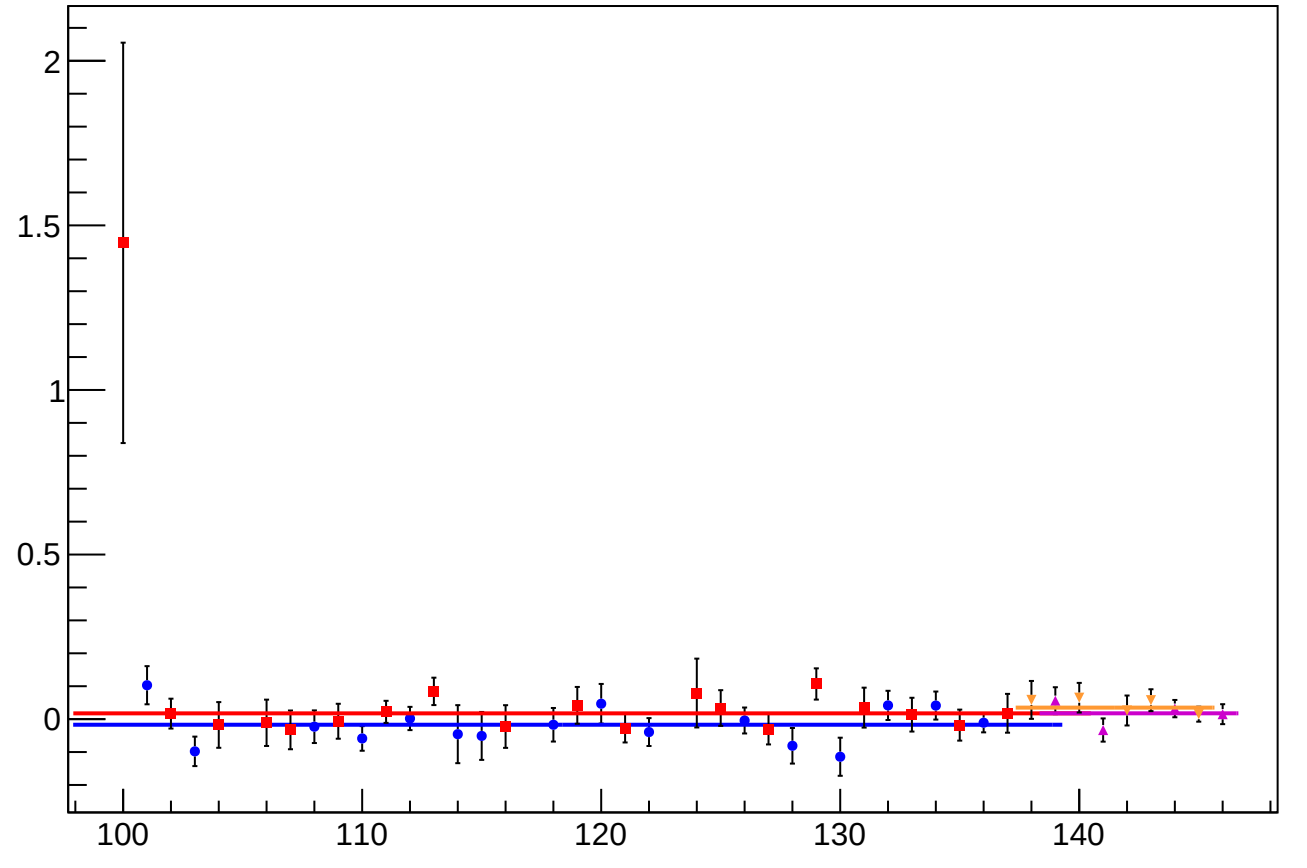
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.235+/-0.011 χ^2/NDF:192443.3/3

+ sign 28.849+/-0.006 χ^2/NDF: 1235492.3/20

All: 29.576+/-0.005 χ^2/NDF: 2083548.8/43

- sign 30.379+/-0.007 χ^2/NDF: 821621.4/22



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

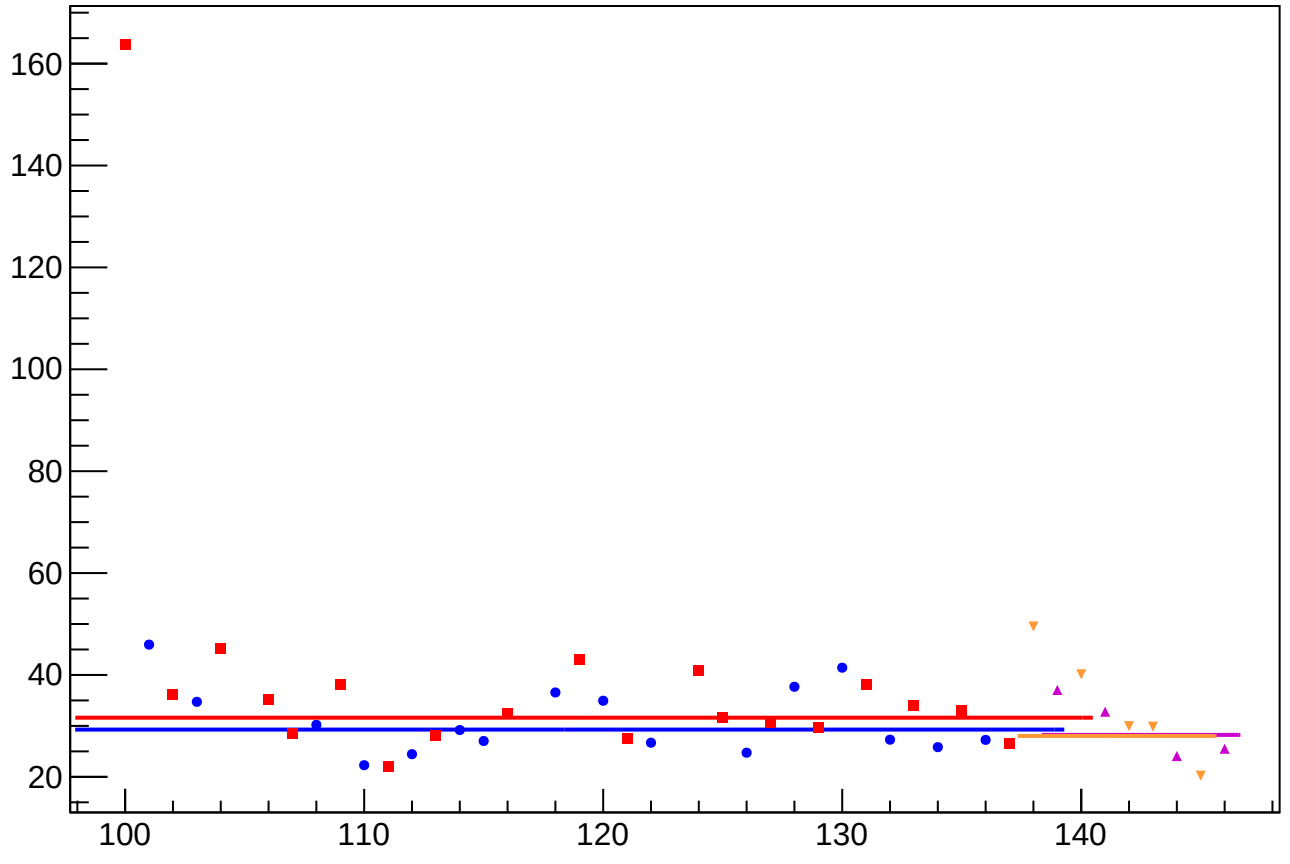
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.018+/-0.016 χ^2/NDF:3.3/3

+ sign 0.001+/-0.009 χ^2/NDF: 28.0/20

All: 0.009+/-0.007 χ^2/NDF: 49.6/43

- sign 0.018+/-0.010 χ^2/NDF: 20.1/22



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.036+/-0.011 χ^2/NDF:666537.0/4

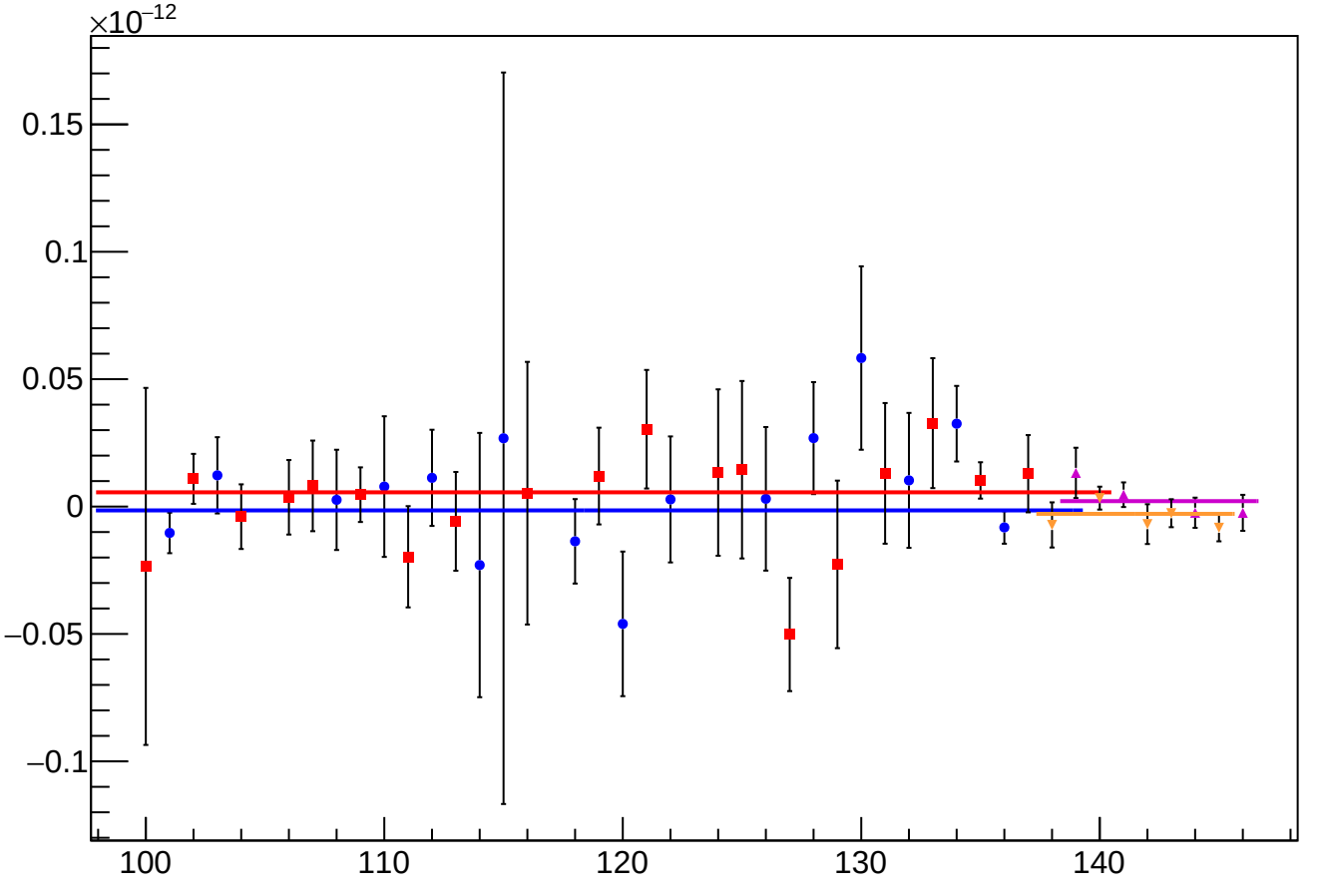
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.235+/-0.011 χ^2/NDF:192443.3/3

+ sign 28.849+/-0.006 χ^2/NDF: 1235492.3/20

All: 29.576+/-0.005 χ^2/NDF: 2083548.8/43

- sign 30.379+/-0.007 χ^2/NDF: 821621.4/22



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/4

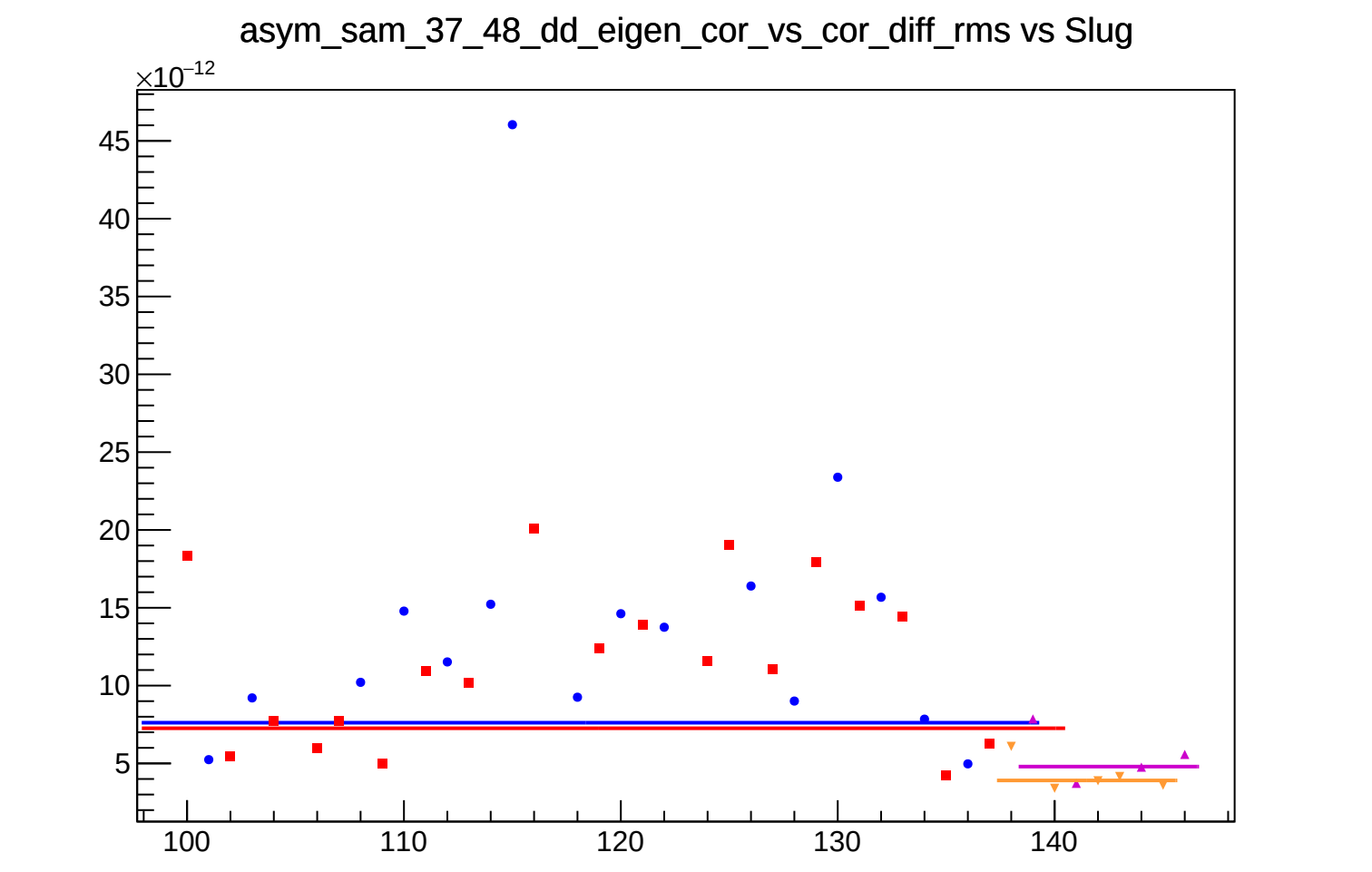
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 20.5/20

All: 0.000+/-0.000 χ^2/NDF: 40.4/43

- sign 0.000+/-0.000 χ^2/NDF: 16.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:158164.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

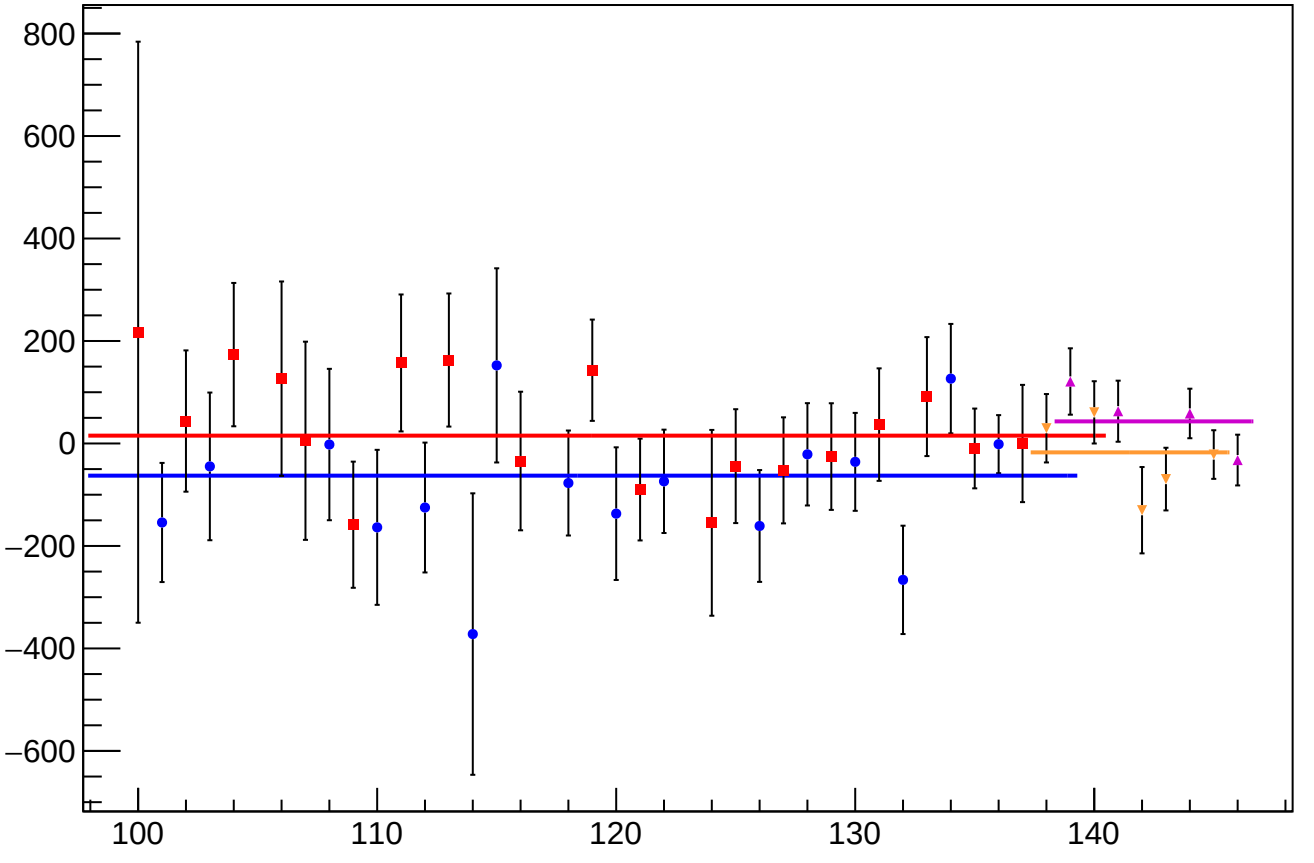
Left In: 0.000+/-0.000 χ^2/NDF:316067.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 3465184.3/20

All: 0.000+/-0.000 χ^2/NDF: 6415363.7/43

- sign 0.000+/-0.000 χ^2/NDF: 2838128.0/22

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -17.376+/-27.239 χ^2/NDF:4.7/4

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

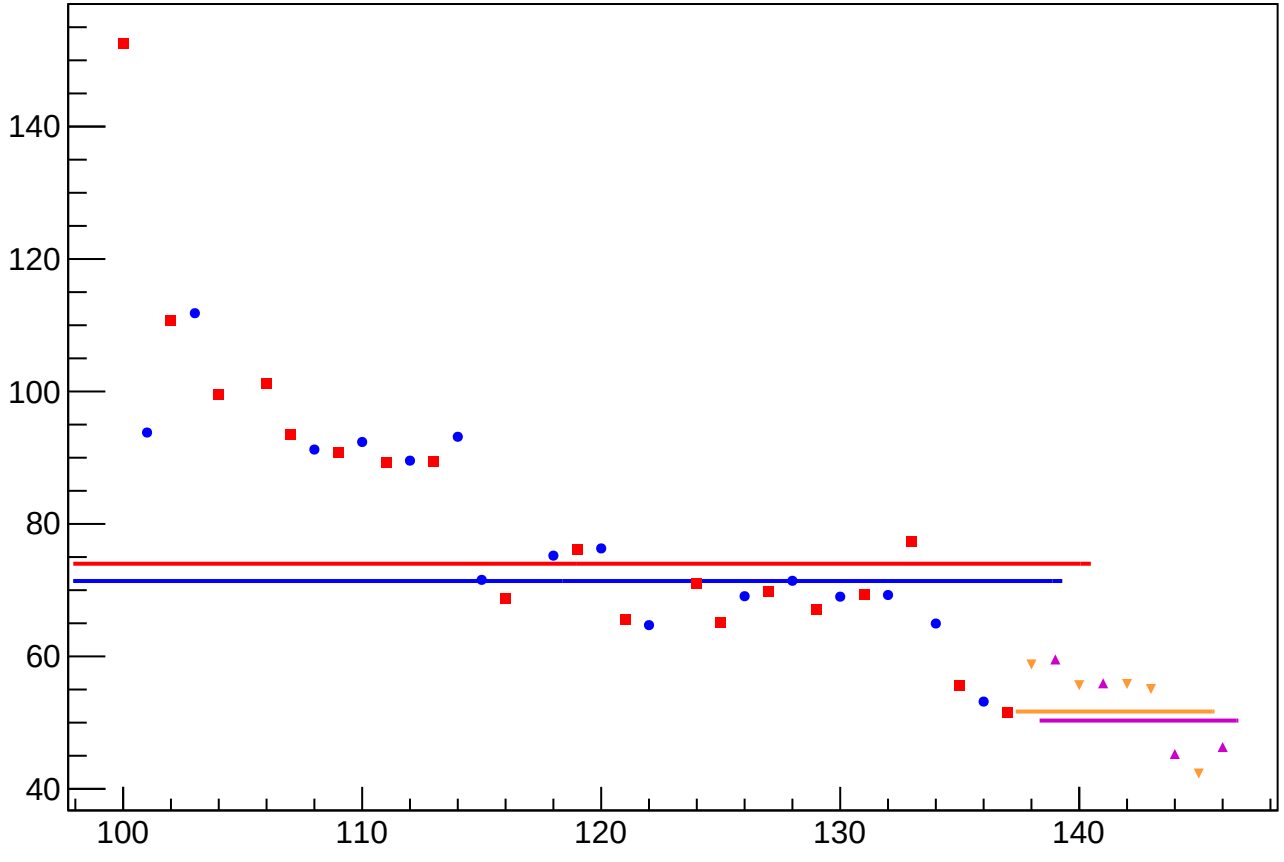
Left In: 43.101+/-27.160 χ^2/NDF:4.0/3

+ sign -40.108+/-19.252 χ^2/NDF: 19.6/20

All: -5.600+/-13.671 χ^2/NDF: 42.0/43

- sign 29.503+/-19.417 χ^2/NDF: 16.0/22

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 51.677+/-0.019 χ^2/NDF:120187.7/4

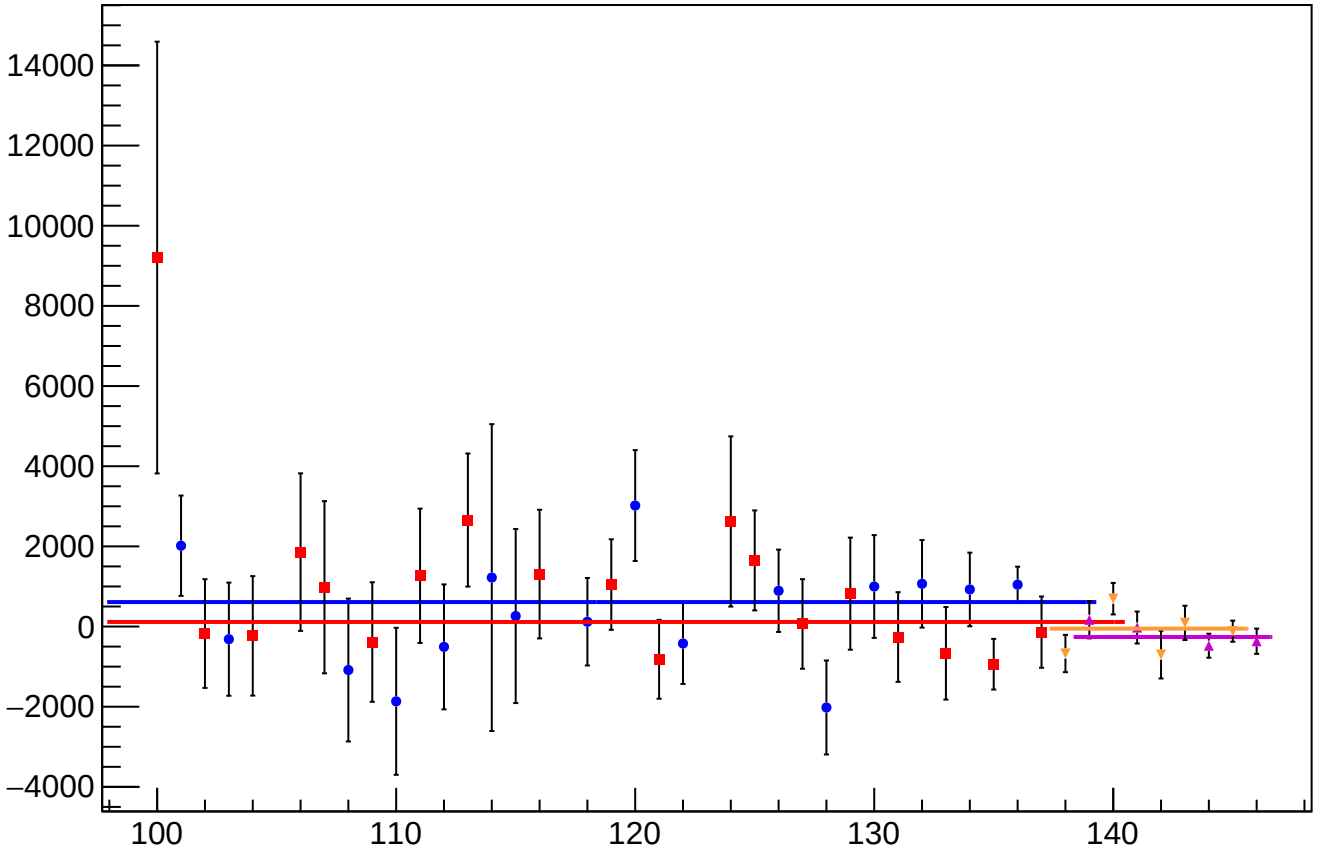
Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

+ sign 61.539+/-0.014 χ^2/NDF: 1234991.2/20

All: 61.713+/-0.010 χ^2/NDF: 2710367.5/43

- sign 61.890+/-0.014 χ^2/NDF: 1475047.4/22



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: -52.036+/-172.109 χ^2/NDF:6.8/4

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

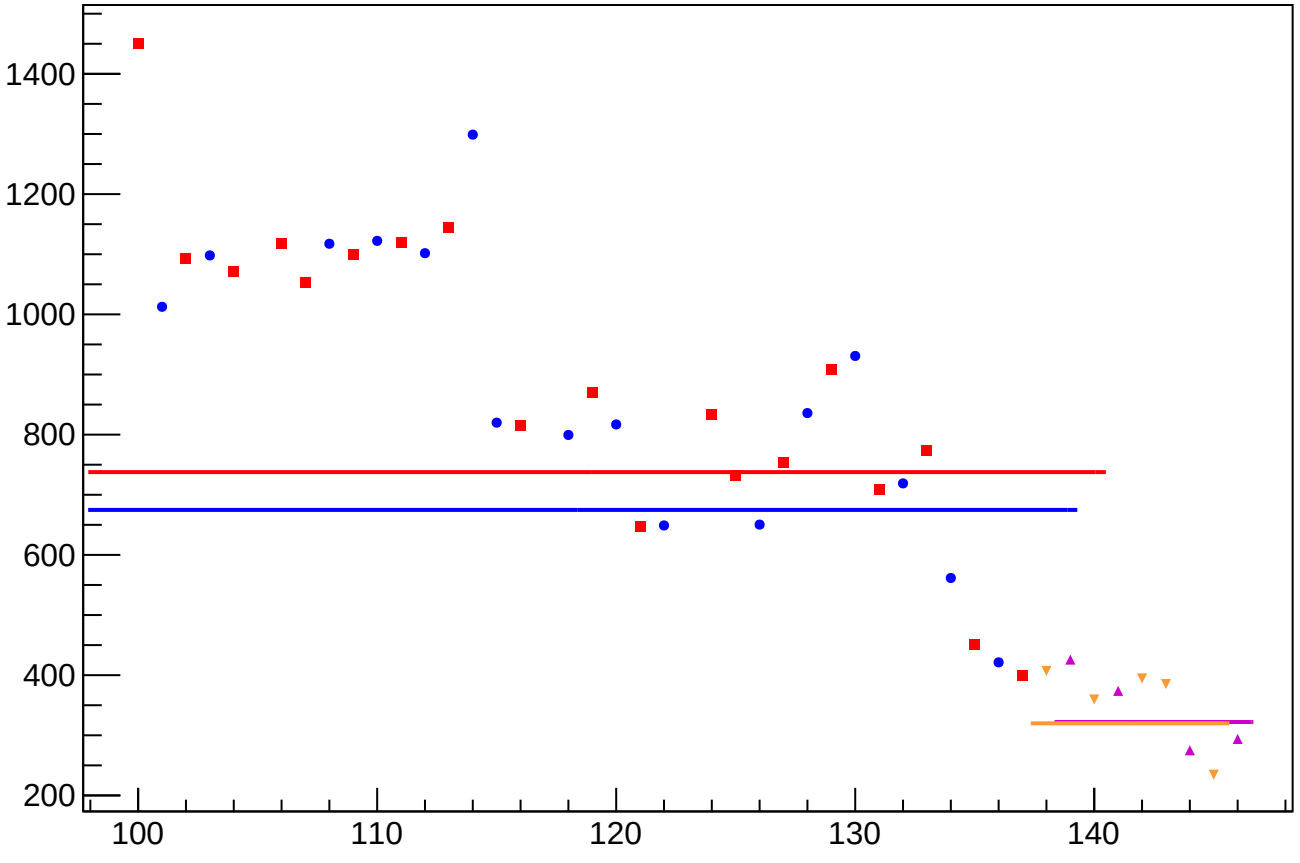
Left In: -260.939+/-176.338 χ^2/NDF:1.8/3

\+ sign 142.668+/-144.628 χ^2/NDF: 26.8/20

All: -1.655+/-104.066 χ^2/NDF: 47.5/43

\- sign -156.600+/-149.855 χ^2/NDF: 18.7/22

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 319.860+/-0.122 χ^2/NDF:378397.8/4

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

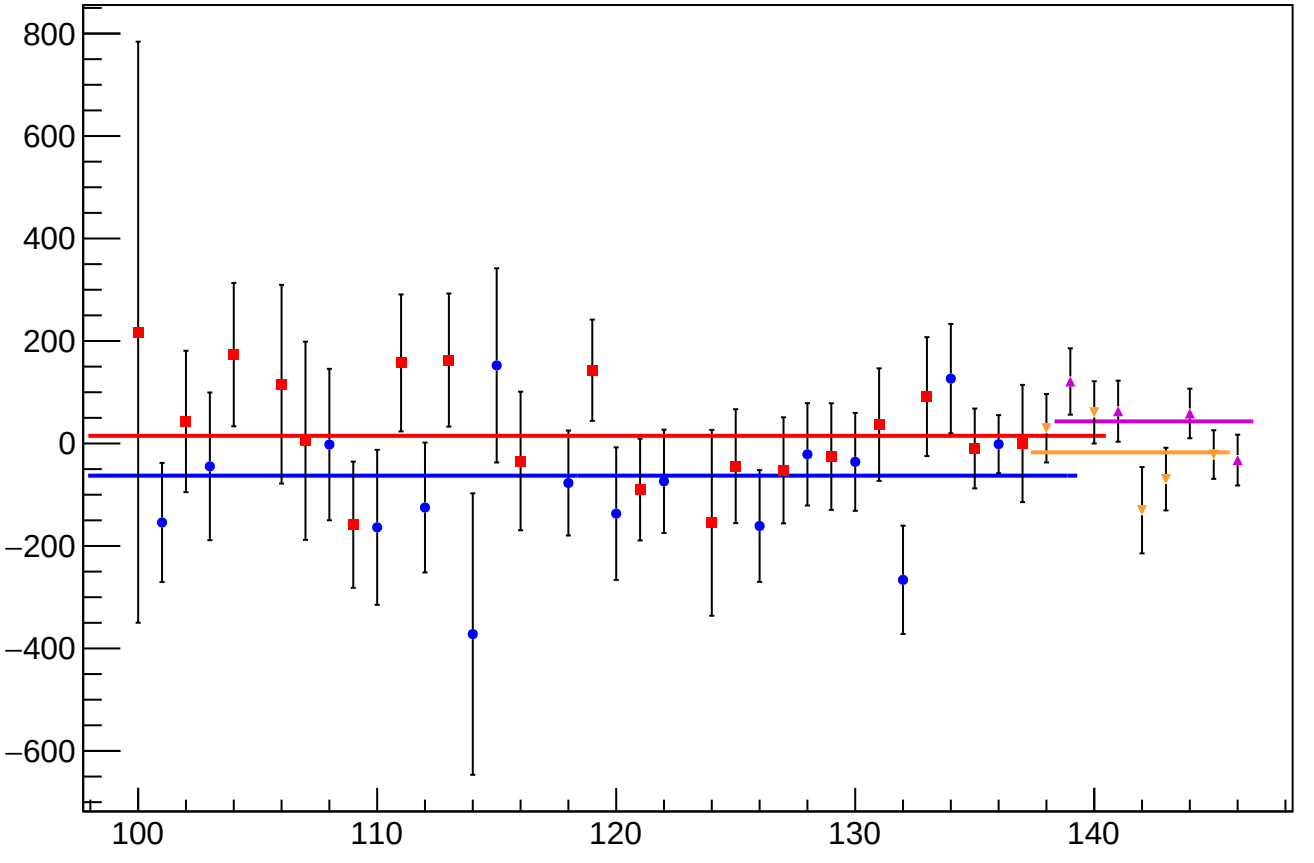
Left In: 322.112+/-0.125 χ^2/NDF:199158.9/3

+ sign 424.168+/-0.102 χ^2/NDF: 4495957.1/20

All: 430.627+/-0.074 χ^2/NDF: 9305896.0/43

- sign 437.560+/-0.106 χ^2/NDF: 4801668.3/22

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -17.373+/-27.239 χ^2/NDF:4.7/4

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

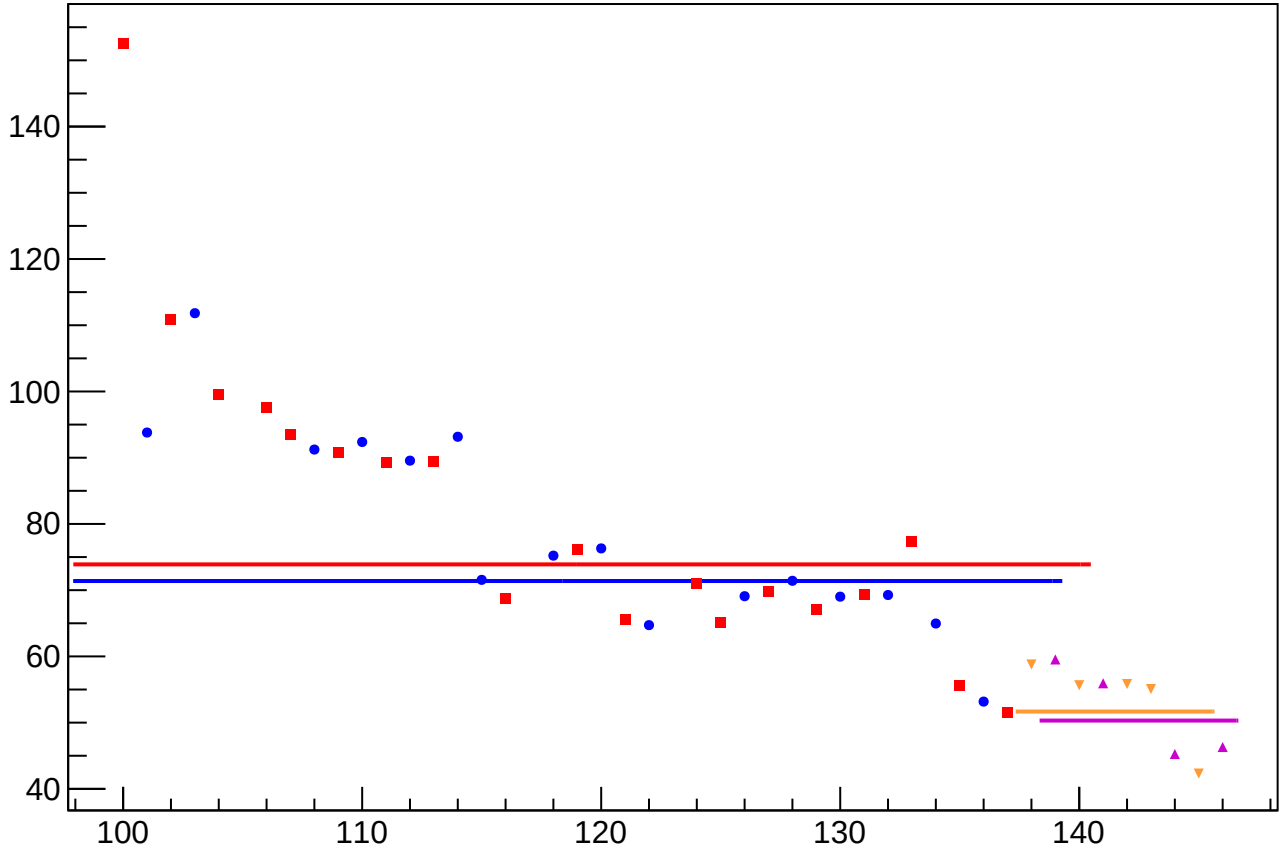
Left In: 43.102+/-27.160 χ^2/NDF:4.0/3

+ sign -40.103+/-19.252 χ^2/NDF: 19.6/20

All: -5.689+/-13.673 χ^2/NDF: 41.9/43

- sign 29.336+/-19.422 χ^2/NDF: 15.9/22

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 51.677+/-0.019 χ^2/NDF:120187.7/4

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

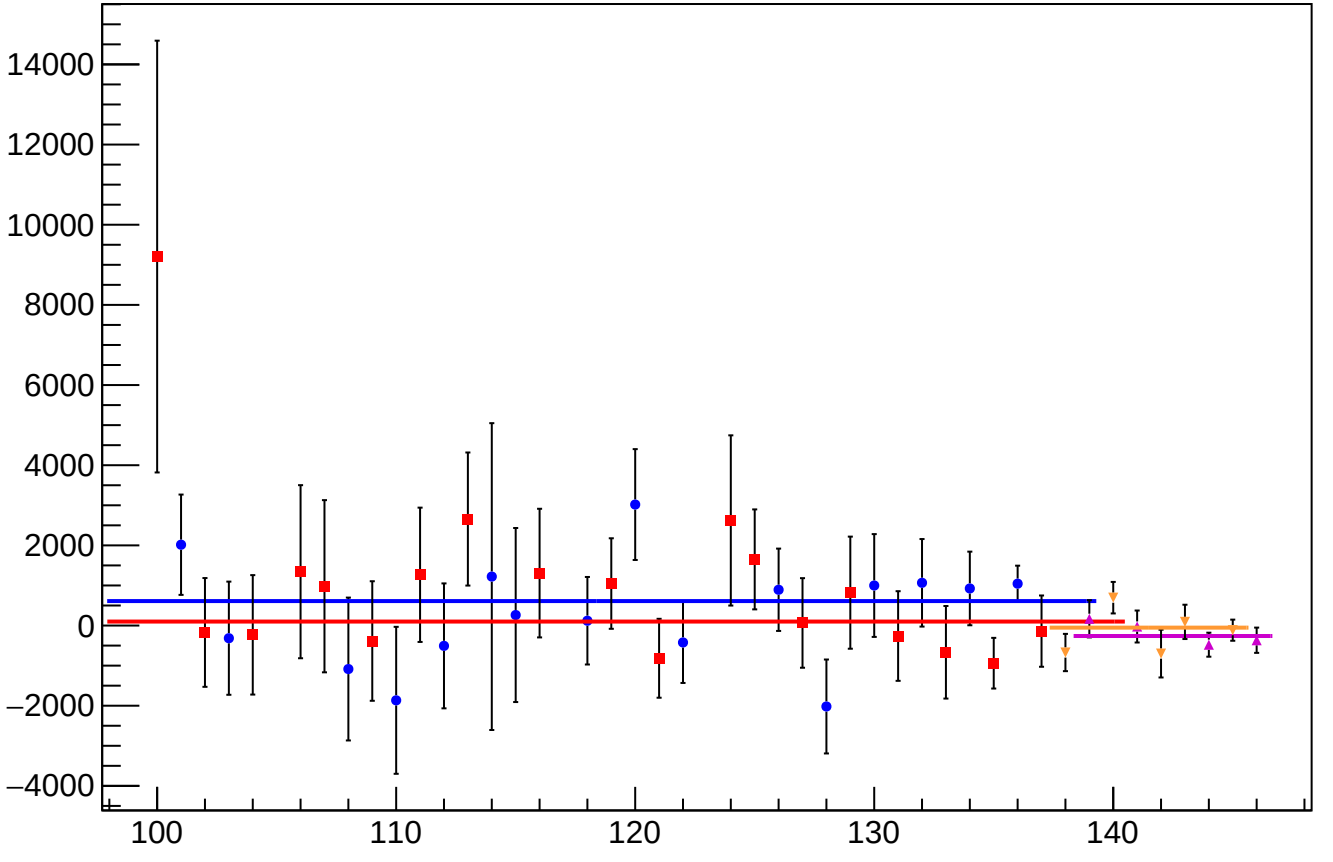
Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

+ sign 61.539+/-0.014 χ^2/NDF: 1234993.9/20

All: 61.686+/-0.010 χ^2/NDF: 2692236.5/43

- sign 61.836+/-0.014 χ^2/NDF: 1457008.0/22

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -52.036+/-172.109 χ^2/NDF:6.8/4

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

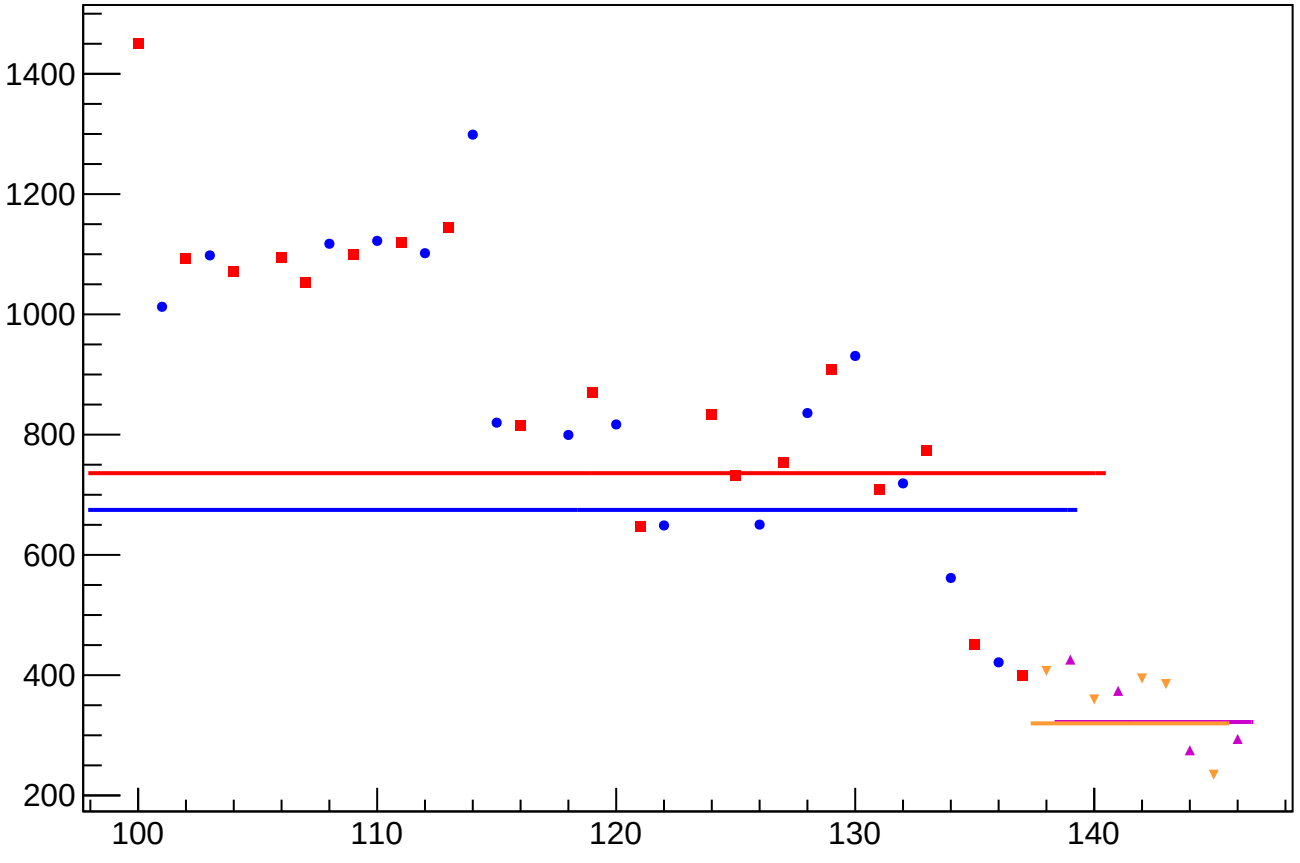
Left In: -260.935+/-176.338 χ^2/NDF:1.8/3

+ sign 142.664+/-144.628 χ^2/NDF: 26.8/20

All: -3.727+/-104.092 χ^2/NDF: 47.0/43

- sign -161.050+/-149.931 χ^2/NDF: 18.1/22

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 319.859+/-0.122 χ^2/NDF:378402.3/4

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

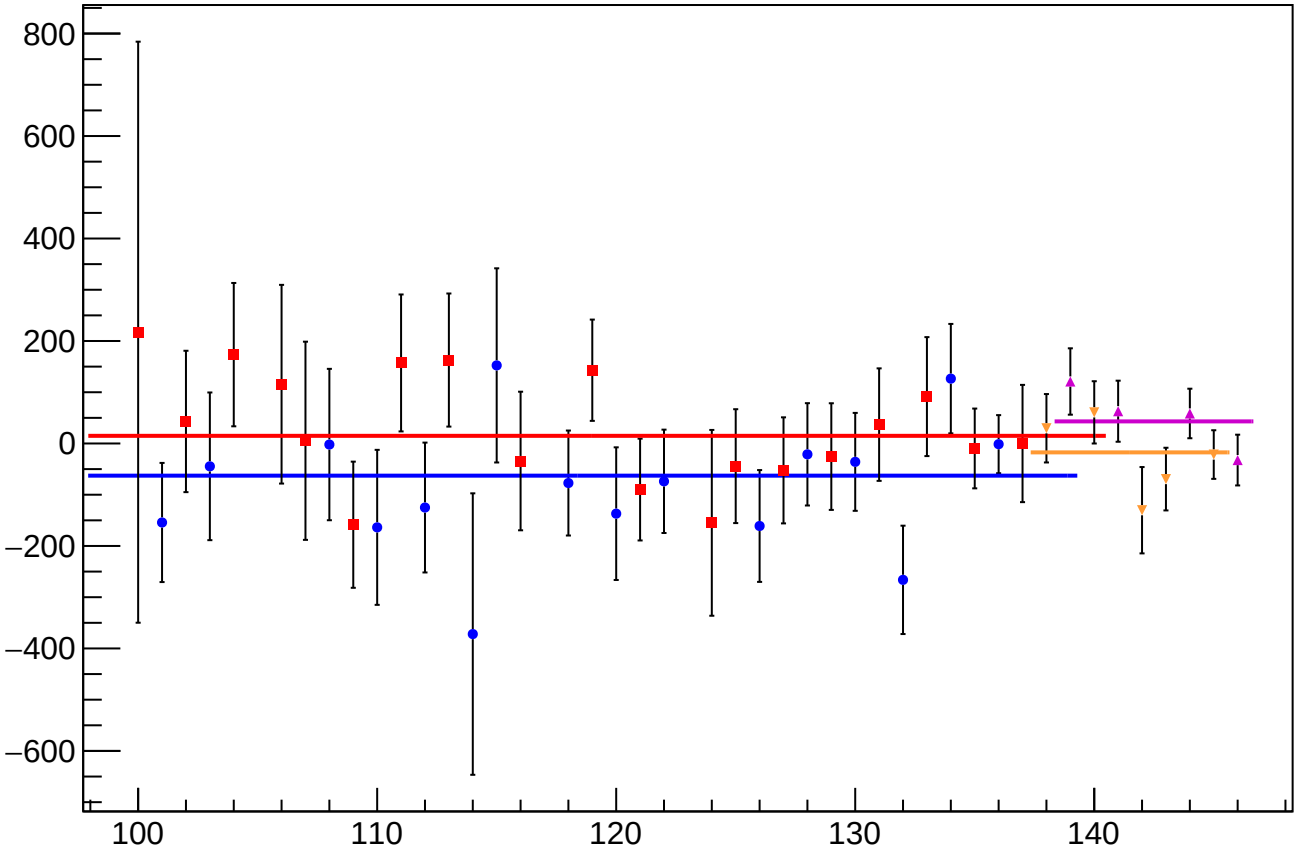
Left In: 322.112+/-0.125 χ^2/NDF:199159.6/3

+ sign 424.167+/-0.102 χ^2/NDF: 4495992.4/20

All: 430.242+/-0.074 χ^2/NDF: 9251147.9/43

- sign 436.770+/-0.106 χ^2/NDF: 4747835.2/22

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -17.373+/-27.239 χ^2/NDF:4.7/4

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

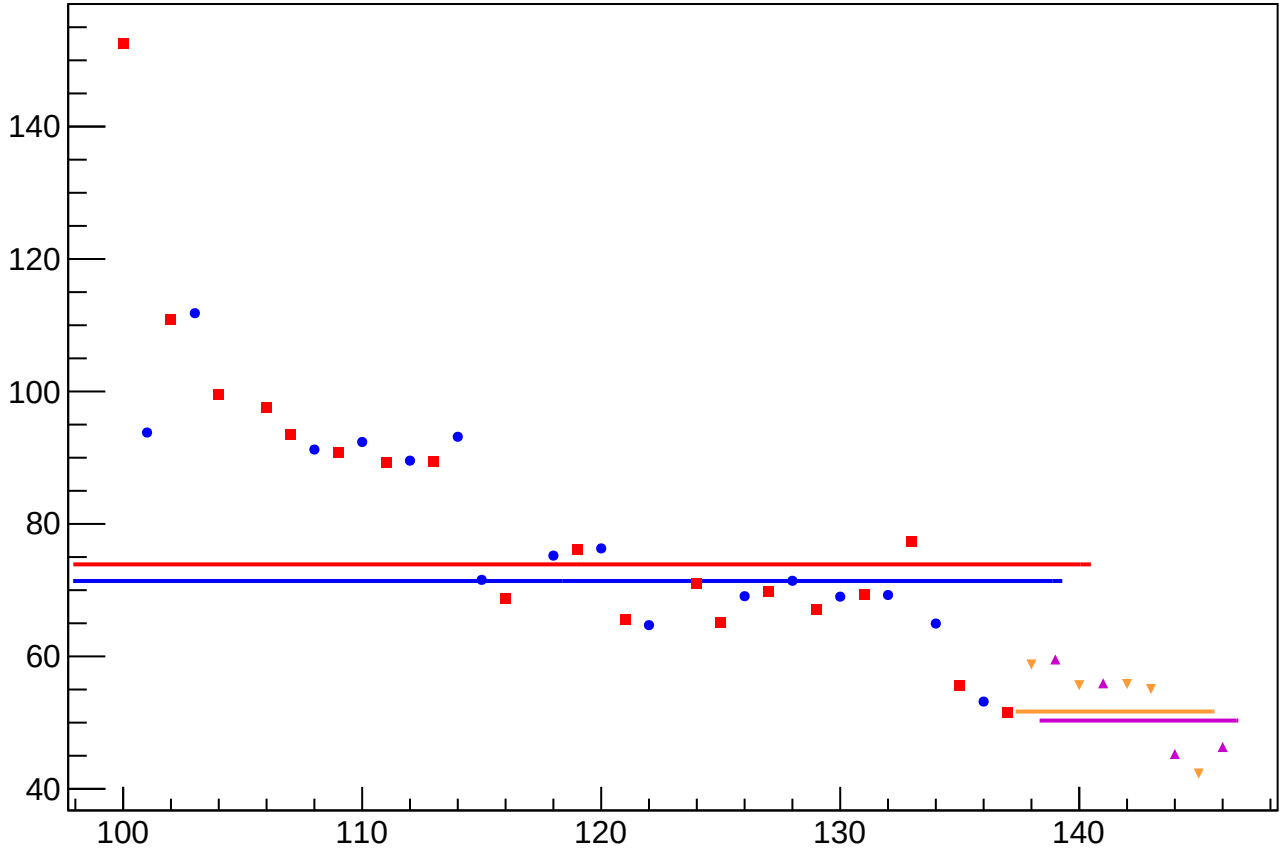
Left In: 43.102+/-27.160 χ^2/NDF:4.0/3

+ sign -40.103+/-19.252 χ^2/NDF: 19.6/20

All: -5.689+/-13.673 χ^2/NDF: 41.9/43

- sign 29.336+/-19.422 χ^2/NDF: 15.9/22

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 51.677+/-0.019 χ^2/NDF:120187.7/4

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

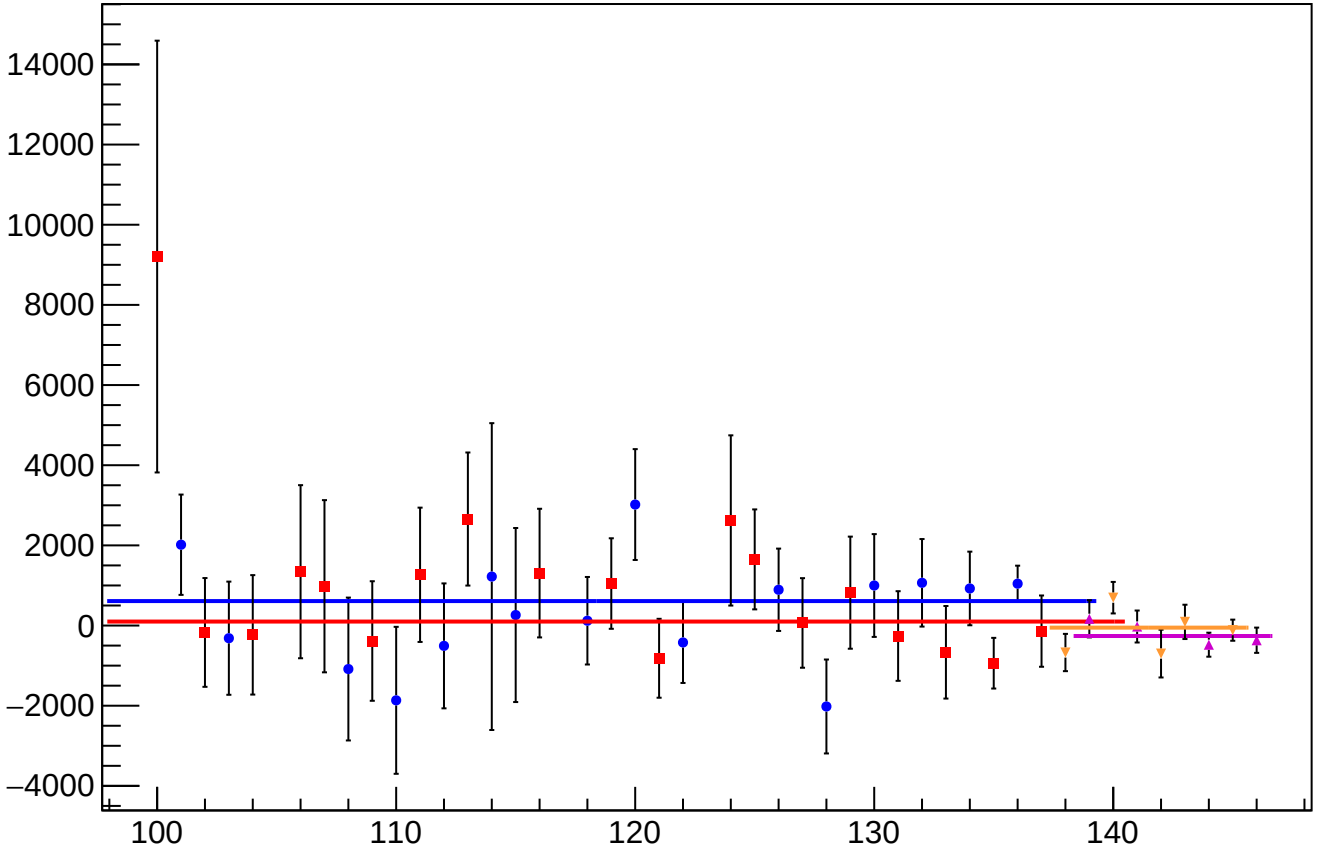
Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

+ sign 61.539+/-0.014 χ^2/NDF: 1234993.9/20

All: 61.686+/-0.010 χ^2/NDF: 2692236.5/43

- sign 61.836+/-0.014 χ^2/NDF: 1457008.0/22

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: -52.036+/-172.109 χ^2/NDF:6.8/4

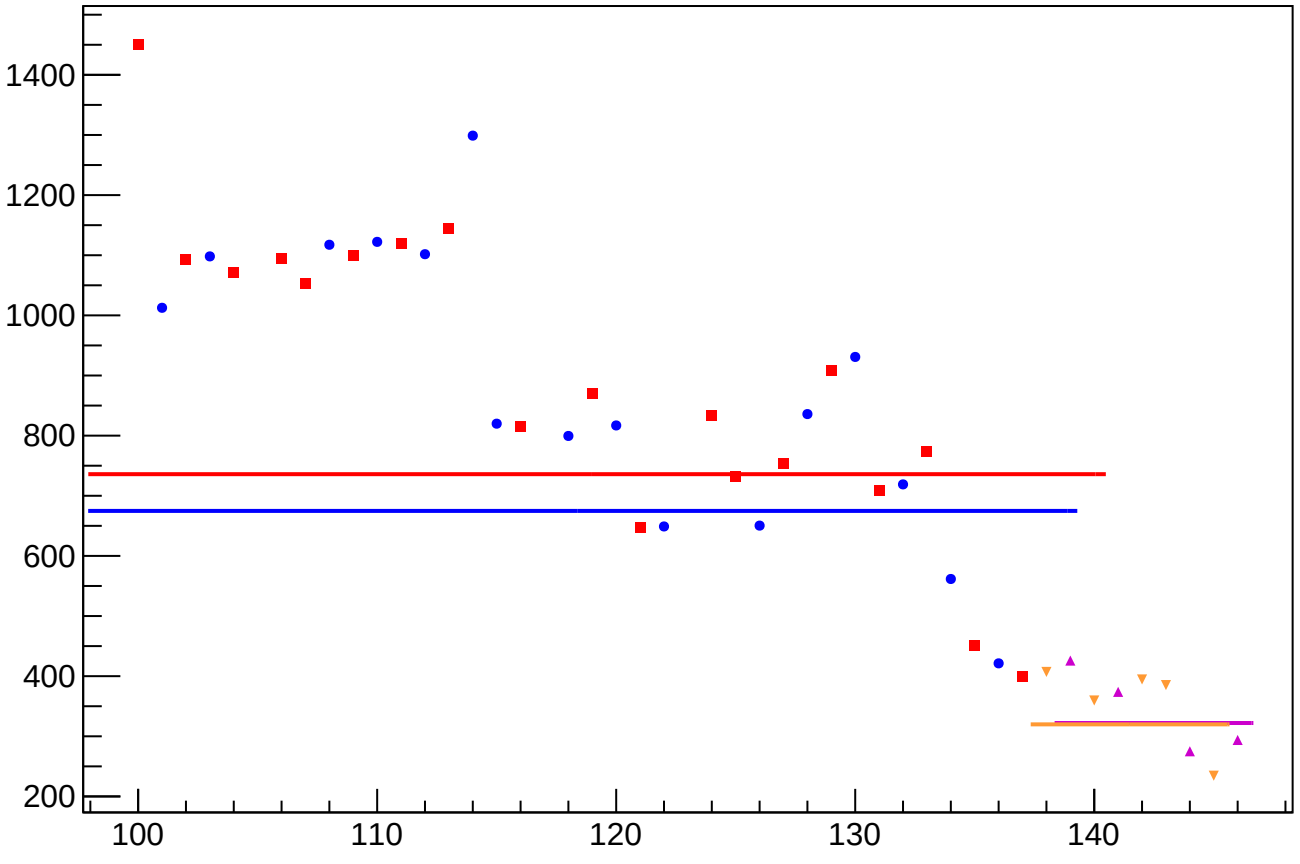
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -260.935+/-176.338 χ^2/NDF:1.8/3

+ sign 142.664+/-144.628 χ^2/NDF: 26.8/20

All: -3.727+/-104.092 χ^2/NDF: 47.0/43

- sign -161.050+/-149.931 χ^2/NDF: 18.1/22



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 319.859+/-0.122 χ^2/NDF:378402.3/4

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

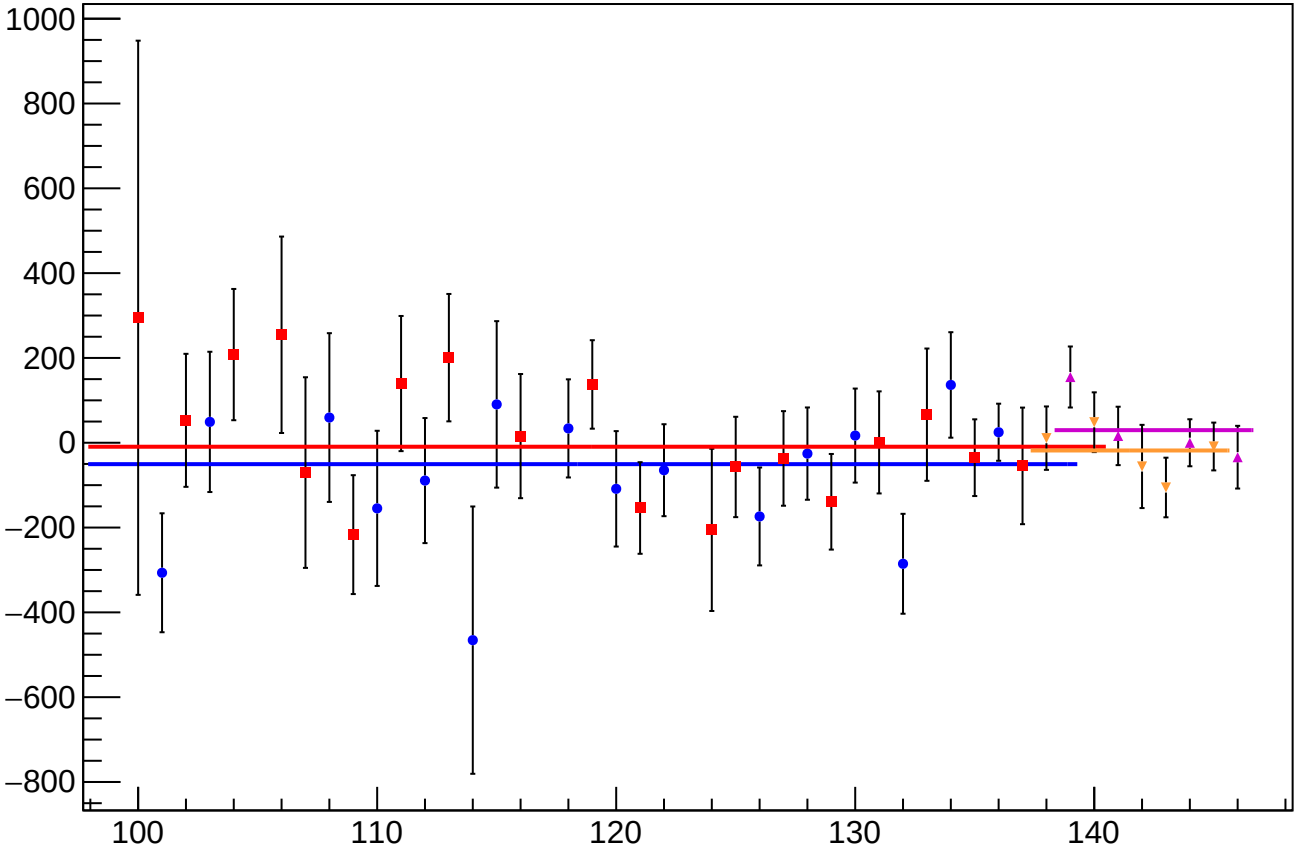
Left In: 322.112+/-0.125 χ^2/NDF:199159.6/3

+ sign 424.167+/-0.102 χ^2/NDF: 4495992.4/20

All: 430.242+/-0.074 χ^2/NDF: 9251147.9/43

- sign 436.770+/-0.106 χ^2/NDF: 4747835.2/22

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -18.225+/-31.599 χ^2/NDF:2.8/4

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

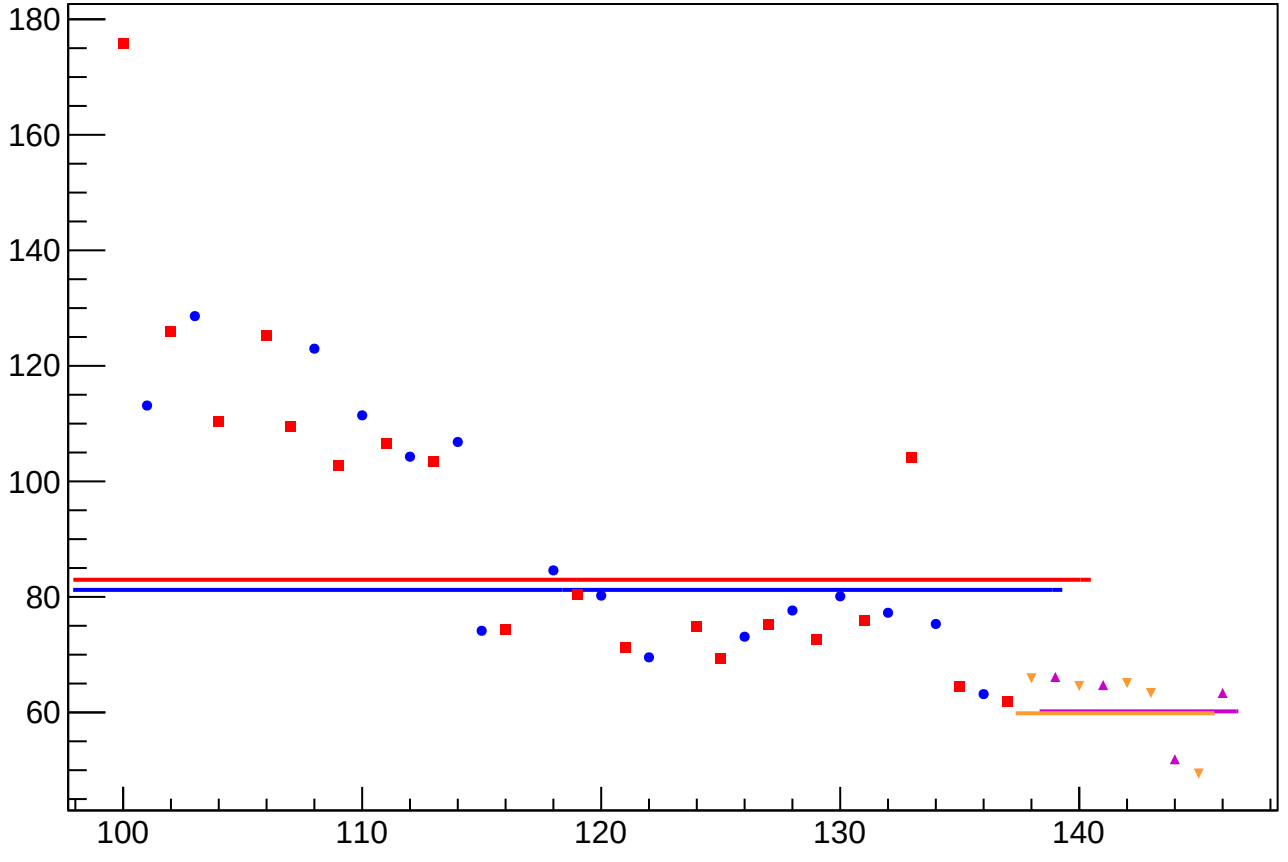
Left In: 29.716+/-33.108 χ^2/NDF:4.1/3

+ sign -34.621+/-22.151 χ^2/NDF: 19.7/20

All: -13.349+/-15.860 χ^2/NDF: 42.0/43

- sign 9.030+/-22.720 χ^2/NDF: 20.4/22

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 59.852+/-0.022 χ^2/NDF:101336.7/4

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

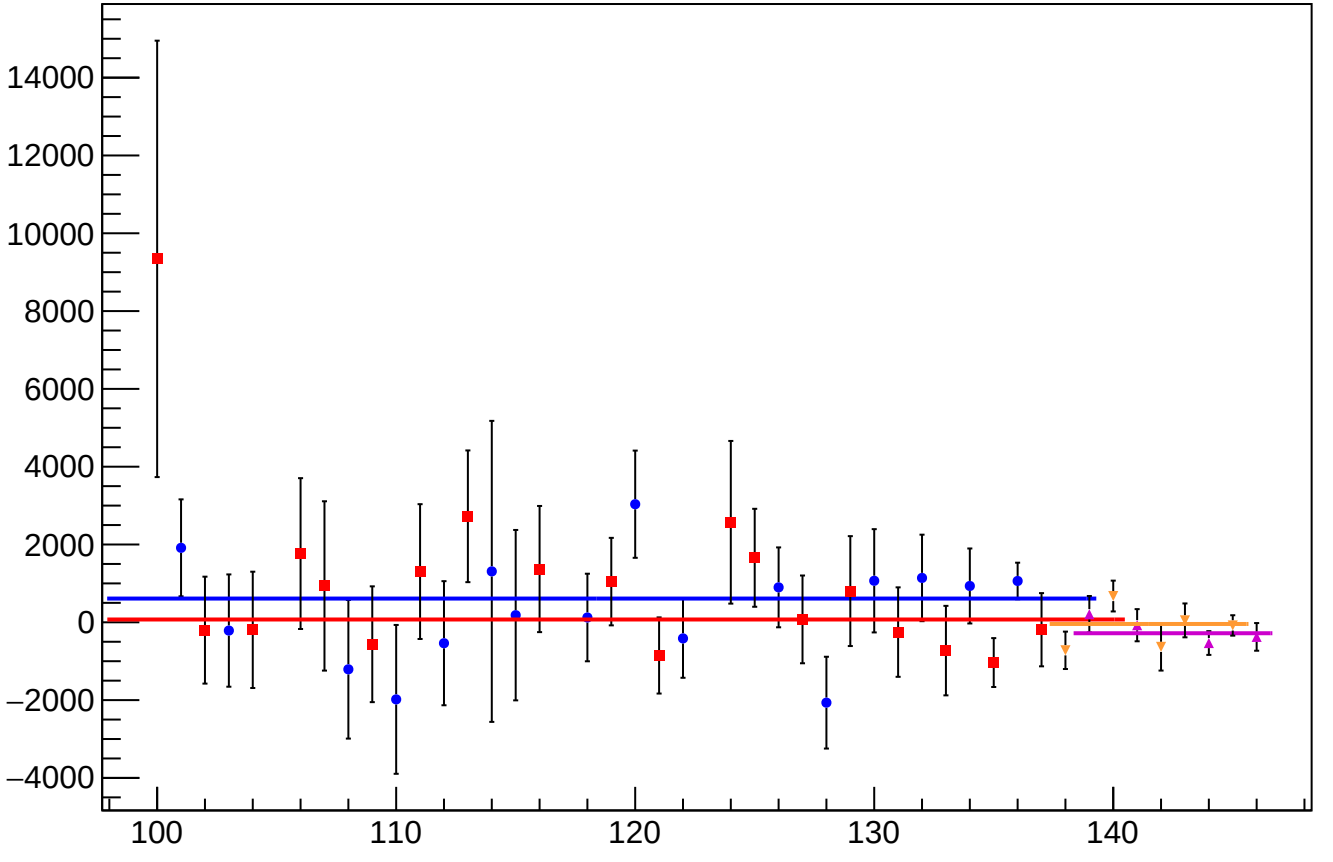
Left In: 60.184+/-0.023 χ^2/NDF:70865.1/3

+ sign 70.718+/-0.016 χ^2/NDF: 1229237.5/20

All: 71.460+/-0.011 χ^2/NDF: 2536356.5/43

- sign 72.240+/-0.016 χ^2/NDF: 1302519.0/22

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: -42.946+/-173.523 χ^2/NDF:6.3/4

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

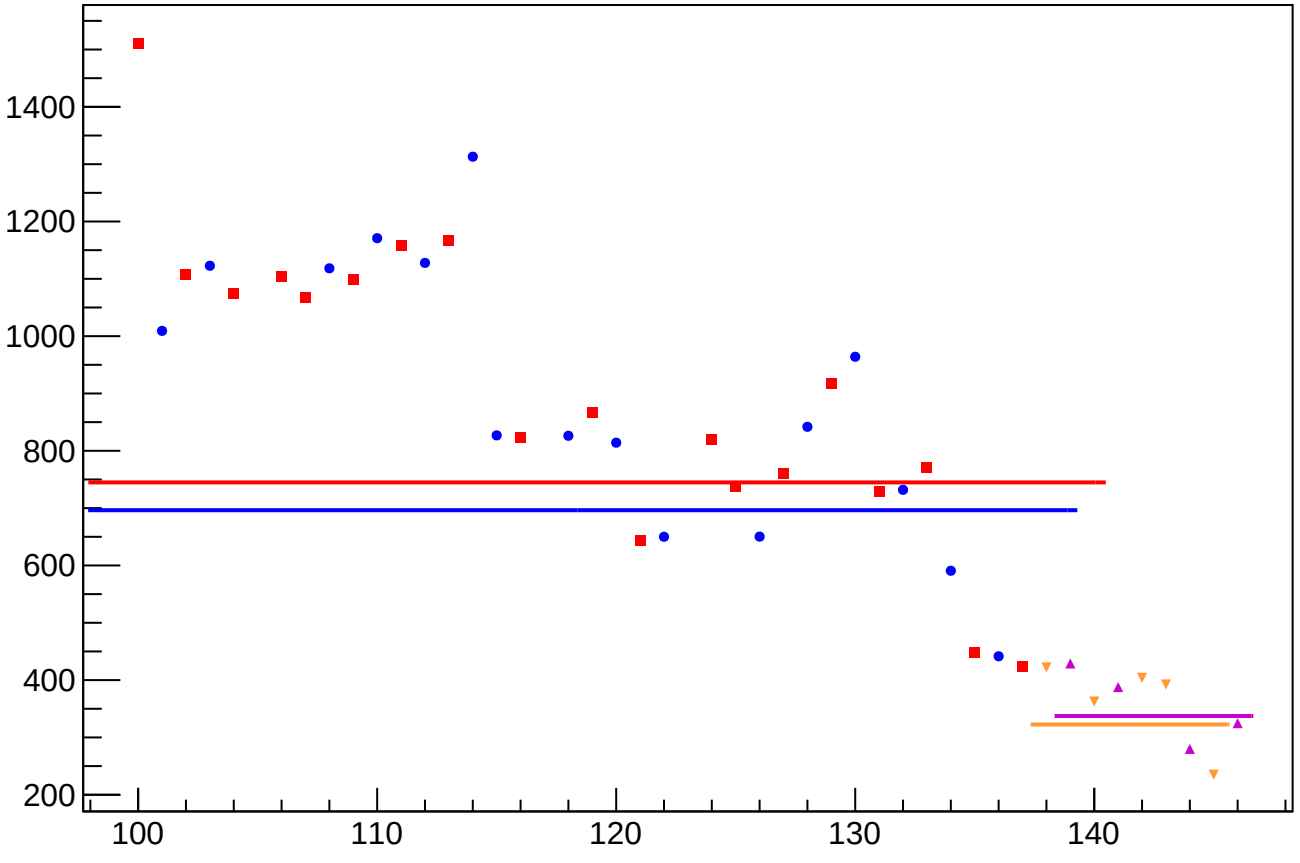
Left In: -280.962+/-185.458 χ^2/NDF:2.1/3

+ sign 144.092+/-146.595 χ^2/NDF: 26.1/20

All: -6.664+/-106.745 χ^2/NDF: 47.7/43

- sign -176.813+/-155.739 χ^2/NDF: 19.3/22

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 322.598+/-0.123 χ^2/NDF:416148.8/4

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

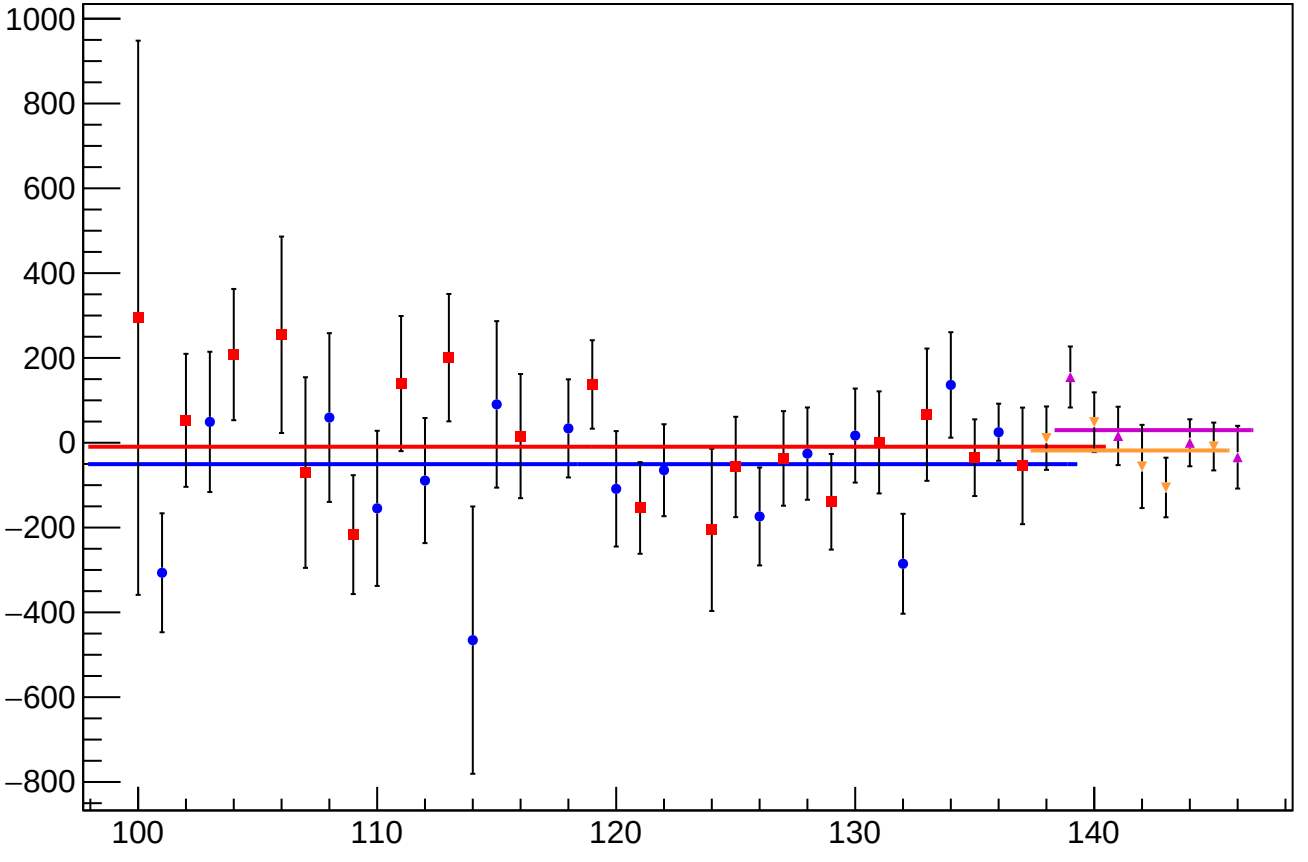
Left In: 337.393+/-0.131 χ^2/NDF:179928.4/3

\+ sign 429.603+/-0.104 χ^2/NDF: 4588229.0/20

All: 442.720+/-0.075 χ^2/NDF: 9147040.3/43

\- sign 457.523+/-0.110 χ^2/NDF: 4524729.8/22

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -18.223+/-31.599 χ^2/NDF:2.8/4

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

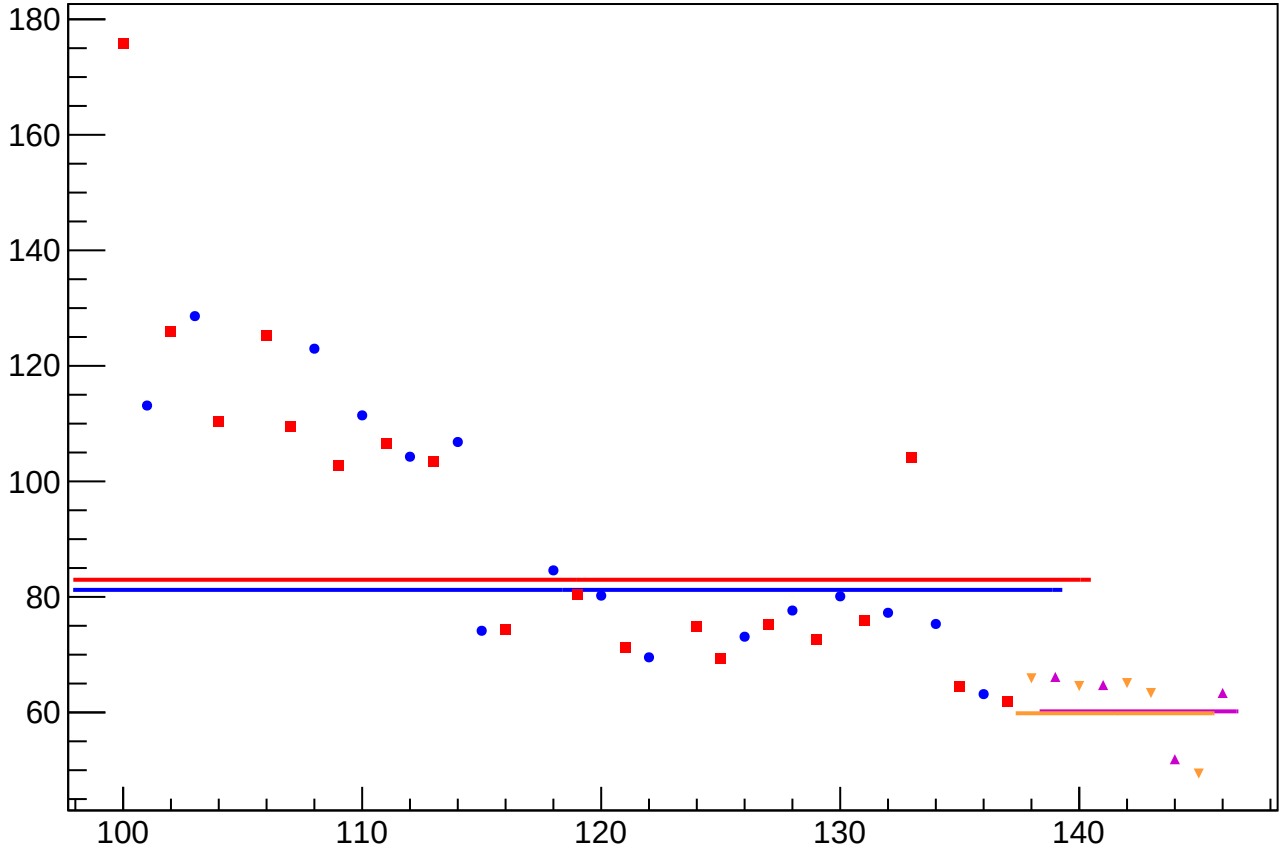
Left In: 29.715+/-33.108 χ^2/NDF:4.1/3

+ sign -34.621+/-22.151 χ^2/NDF: 19.7/20

All: -13.349+/-15.860 χ^2/NDF: 42.0/43

- sign 9.030+/-22.720 χ^2/NDF: 20.4/22

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 59.853+/-0.022 χ^2/NDF:101333.8/4

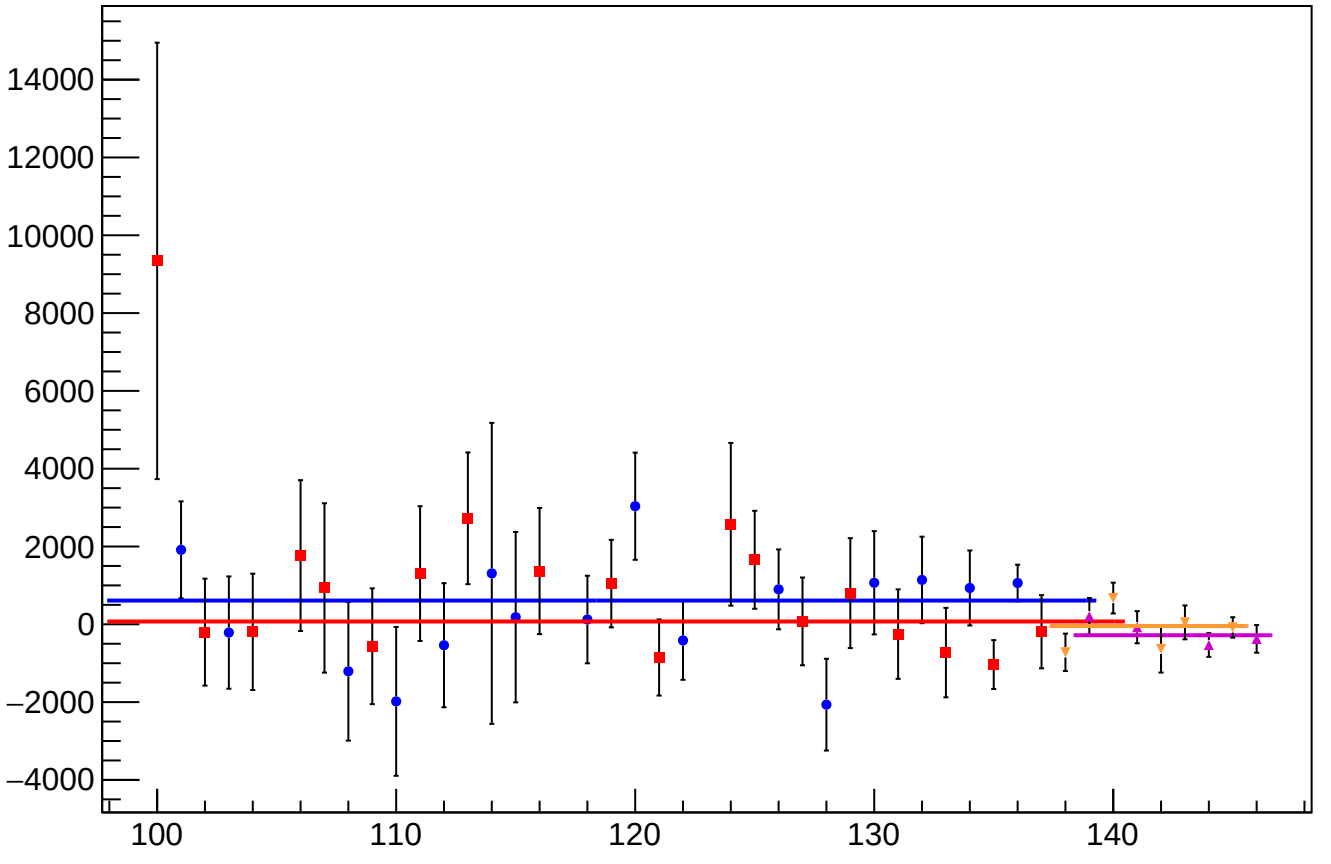
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 60.184+/-0.023 χ^2/NDF:70865.8/3

+ sign 70.718+/-0.016 χ^2/NDF: 1229191.9/20

All: 71.460+/-0.011 χ^2/NDF: 2536278.1/43

- sign 72.240+/-0.016 χ^2/NDF: 1302485.8/22



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: -42.945+/-173.523 χ^2/NDF:6.3/4

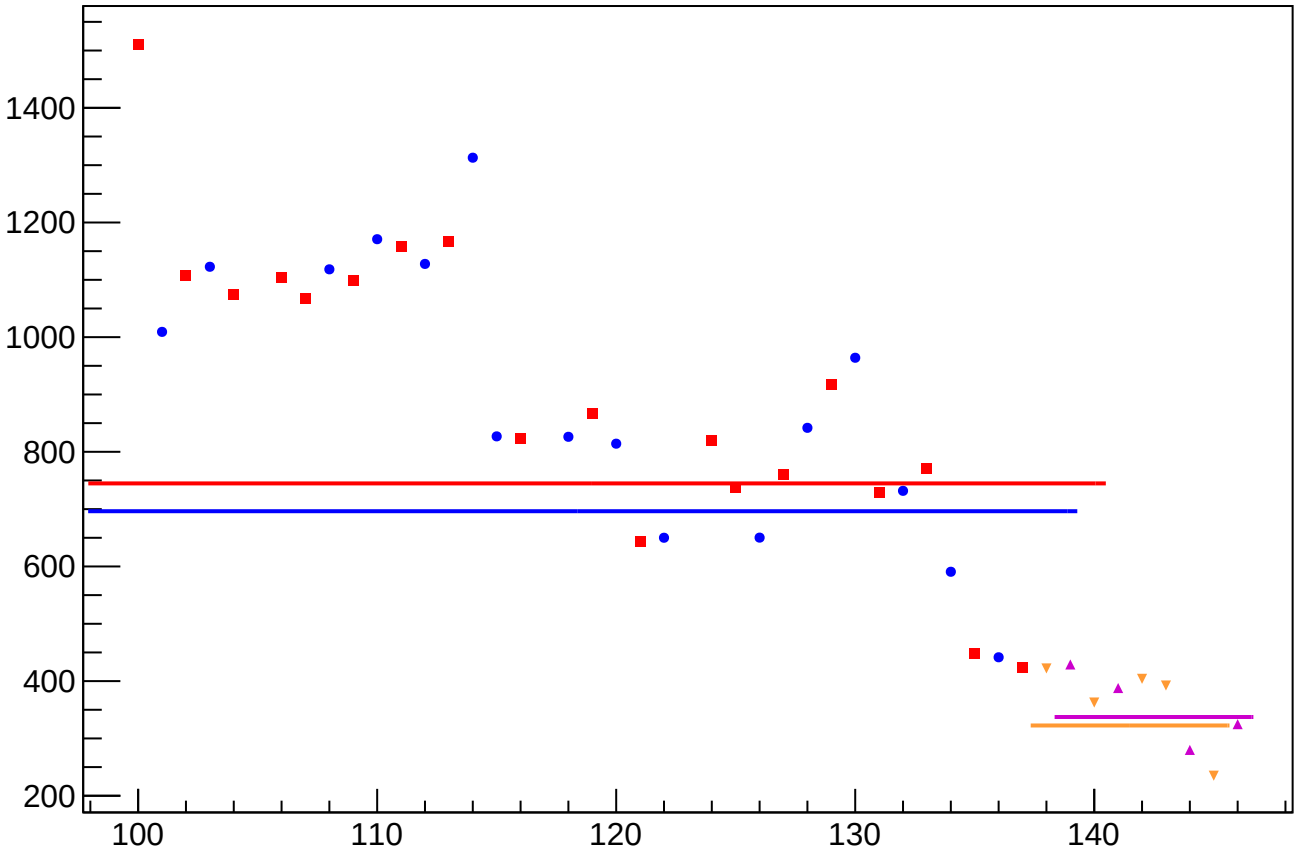
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -280.962+/-185.458 χ^2/NDF:2.1/3

\+ sign 144.092+/-146.595 χ^2/NDF: 26.1/20

All: -6.664+/-106.745 χ^2/NDF: 47.7/43

\- sign -176.812+/-155.739 χ^2/NDF: 19.3/22



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 322.598+/-0.123 χ^2/NDF:416158.8/4

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

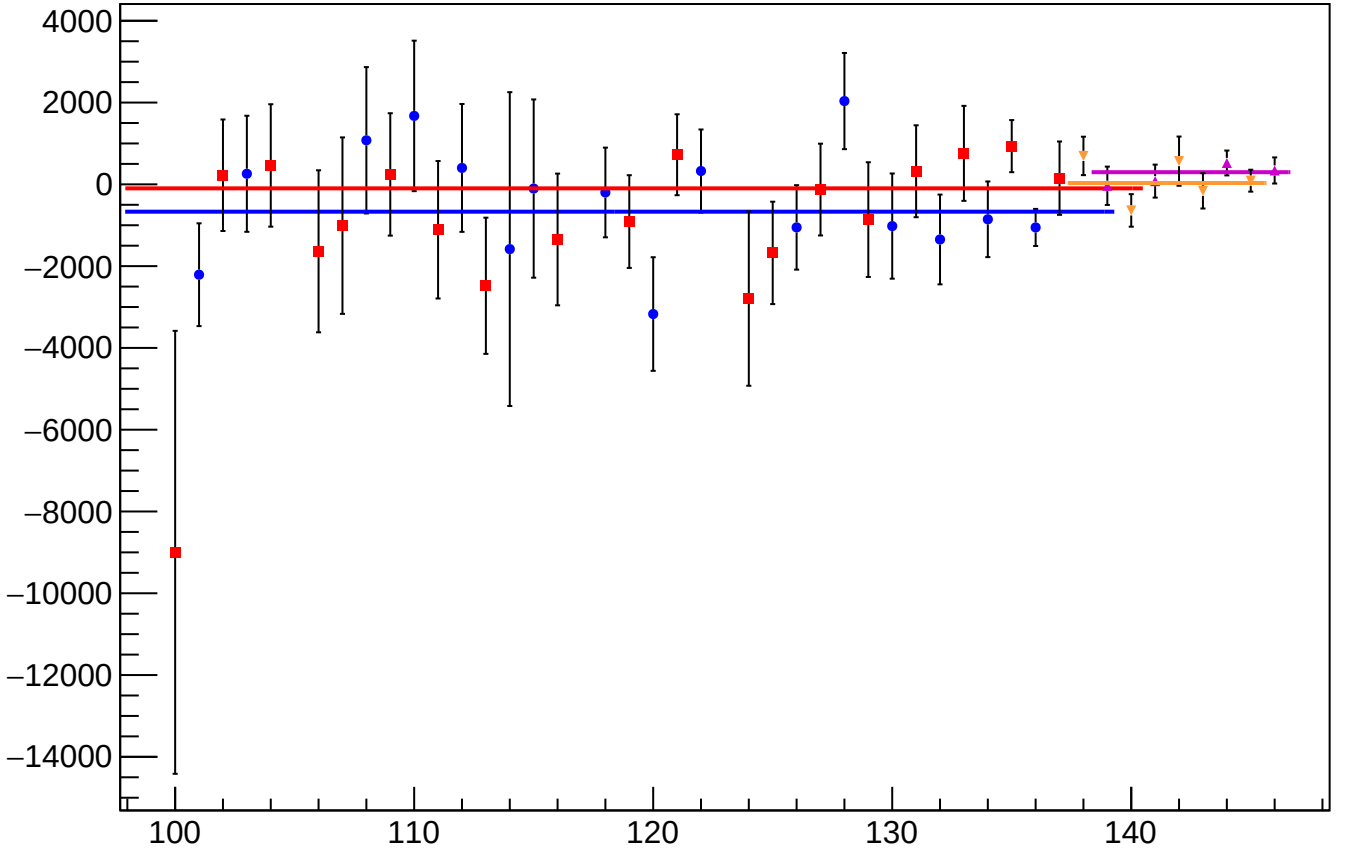
Left In: 337.393+/-0.131 χ^2/NDF:179930.1/3

+ sign 429.603+/-0.104 χ^2/NDF: 4588226.4/20

All: 442.720+/-0.075 χ^2/NDF: 9147023.1/43

- sign 457.523+/-0.110 χ^2/NDF: 4524714.4/22

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: 33.138+/-174.382 χ^2/NDF:5.9/4

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

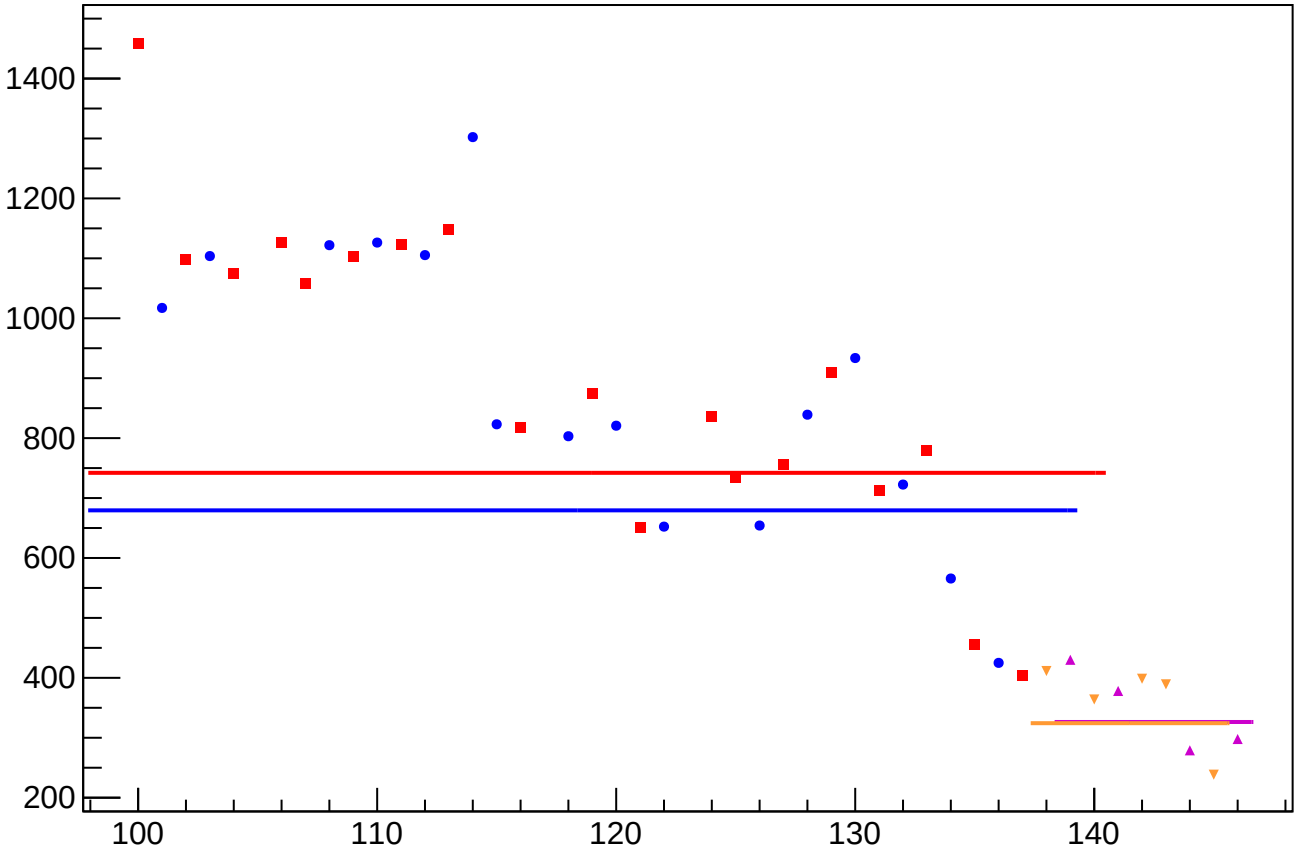
Left In: 297.579+/-178.556 χ^2/NDF:1.4/3

+ sign -175.070+/-146.237 χ^2/NDF: 26.8/20

All: -0.574+/-105.198 χ^2/NDF: 47.3/43

- sign 186.568+/-151.443 χ^2/NDF: 17.6/22

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 324.322+/-0.123 χ^2/NDF:369471.9/4

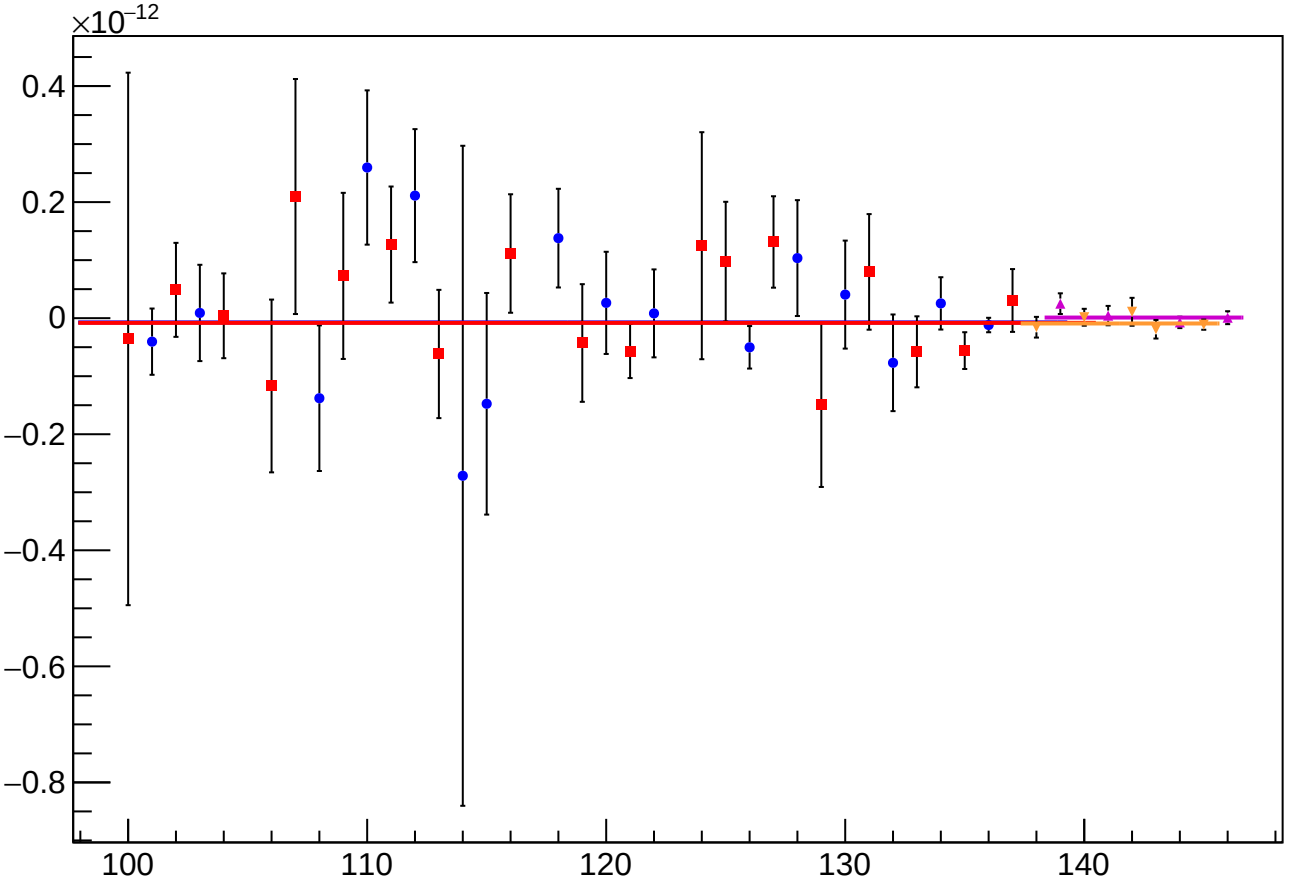
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 326.326+/-0.126 χ^2/NDF:195451.2/3

+ sign 429.709+/-0.103 χ^2/NDF: 4432037.4/20

All: 436.121+/-0.074 χ^2/NDF: 9182742.3/43

- sign 442.998+/-0.107 χ^2/NDF: 4742736.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.8/4

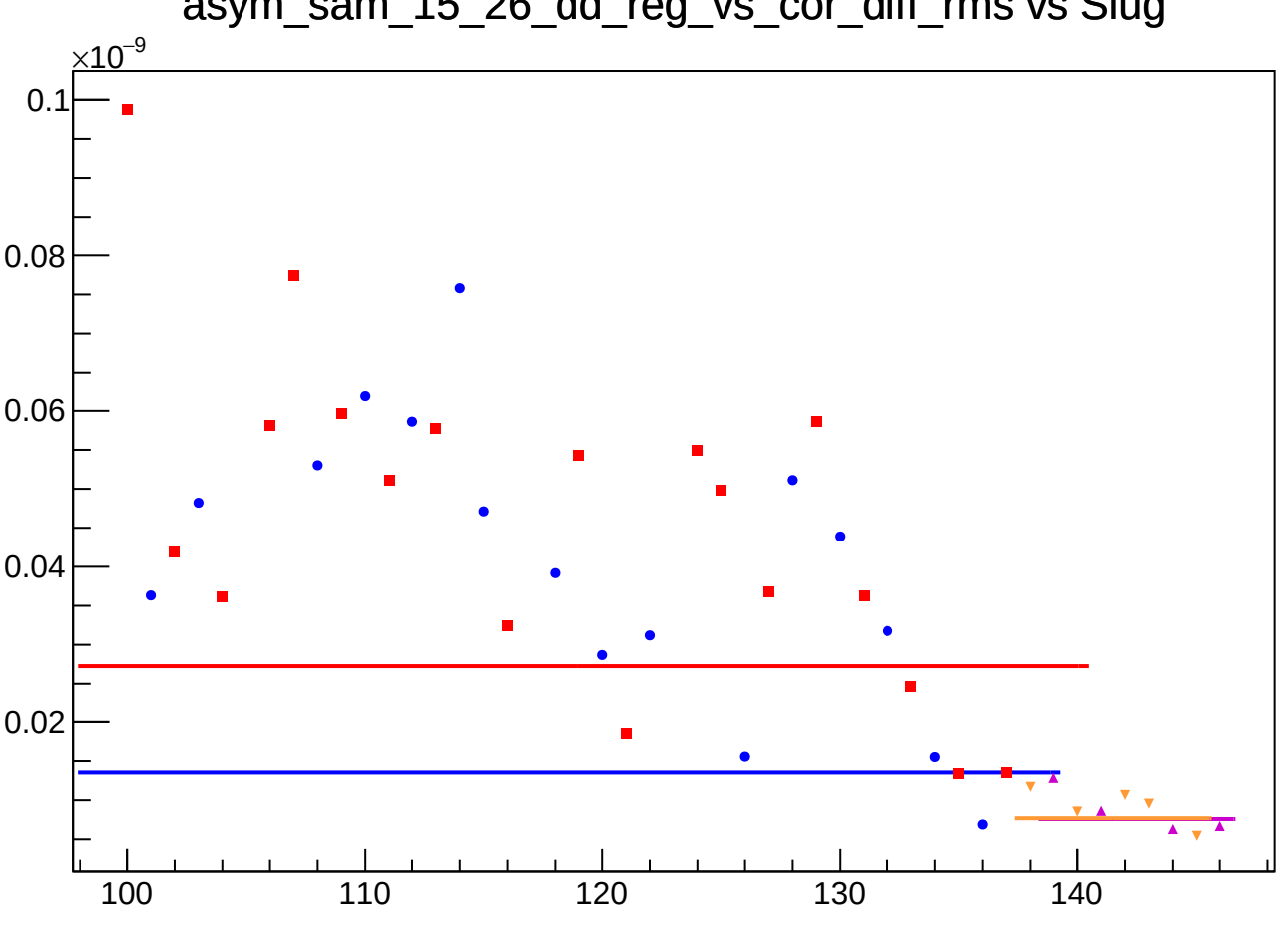
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/3

+ sign -0.000+/-0.000 χ^2/NDF: 19.1/20

All: -0.000+/-0.000 χ^2/NDF: 40.1/43

- sign -0.000+/-0.000 χ^2/NDF: 19.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:296196.4/4

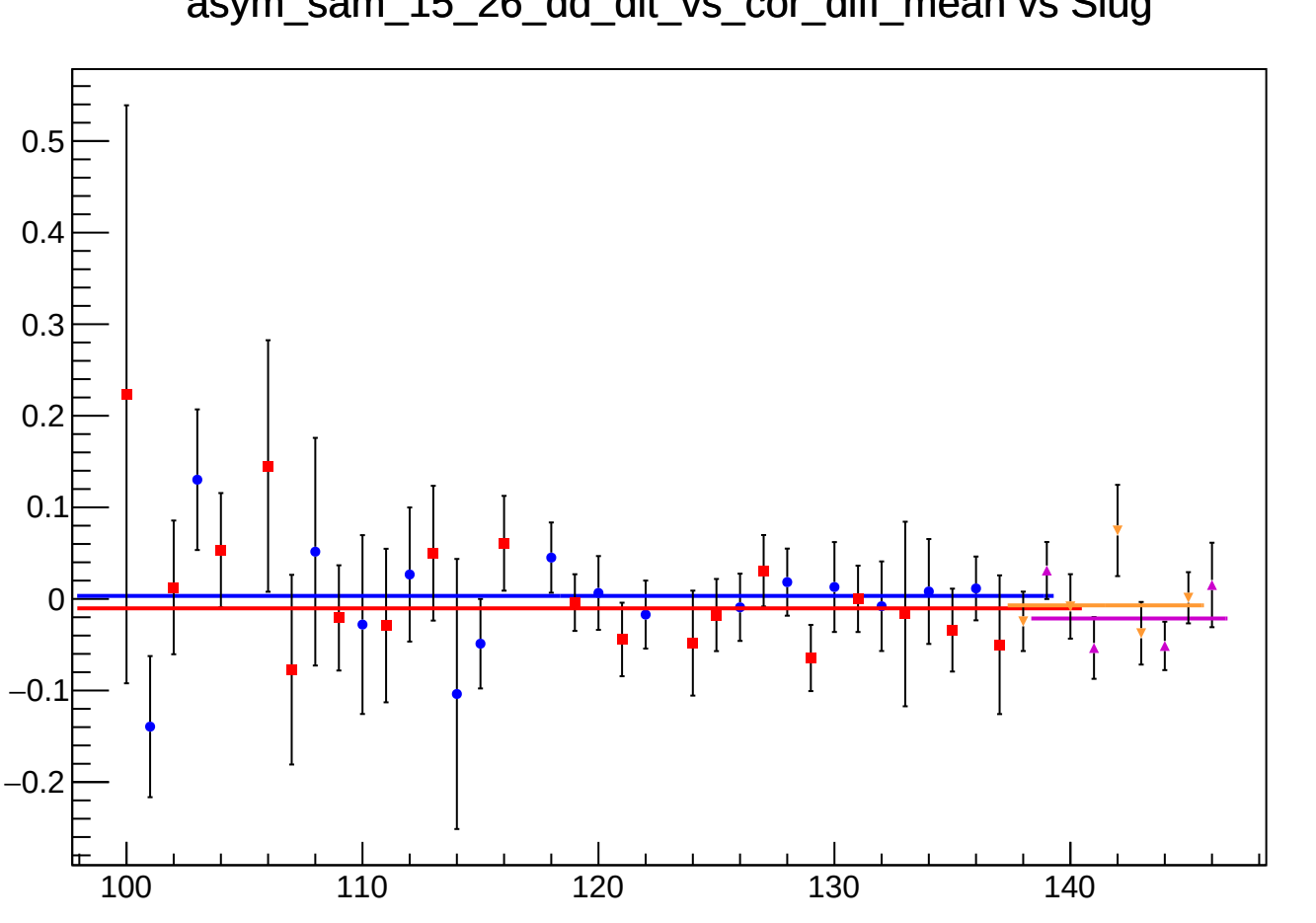
Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:229313.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 3806482.2/20

All: 0.000+/-0.000 χ^2/NDF: 8064396.9/43

- sign 0.000+/-0.000 χ^2/NDF: 4242288.1/22



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

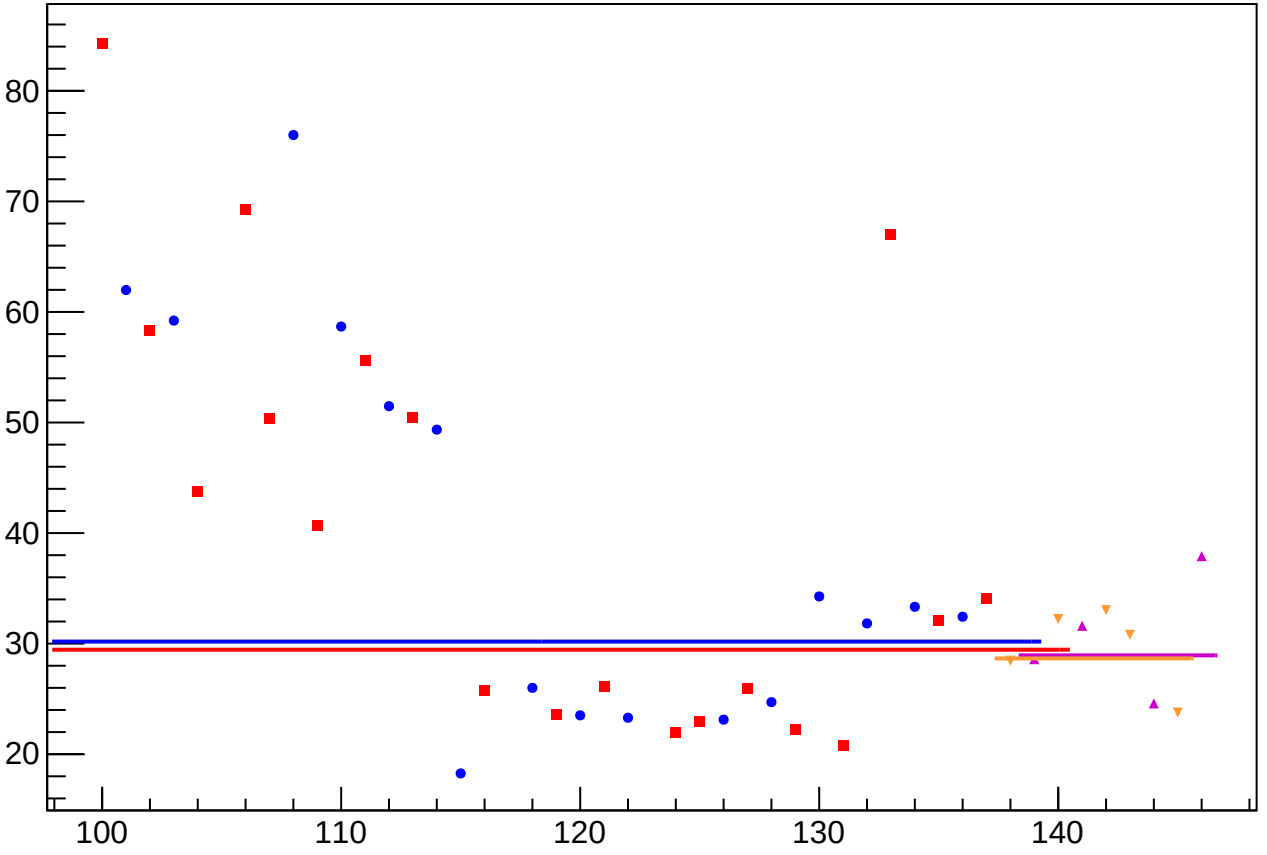
Left In: -0.021+/-0.016 χ^2/NDF:5.7/3

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/20

All: -0.007+/-0.007 χ^2/NDF: 32.4/43

- sign -0.014+/-0.010 χ^2/NDF: 17.2/22

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: 28.662+/-0.011 χ^2/NDF:105122.6/4

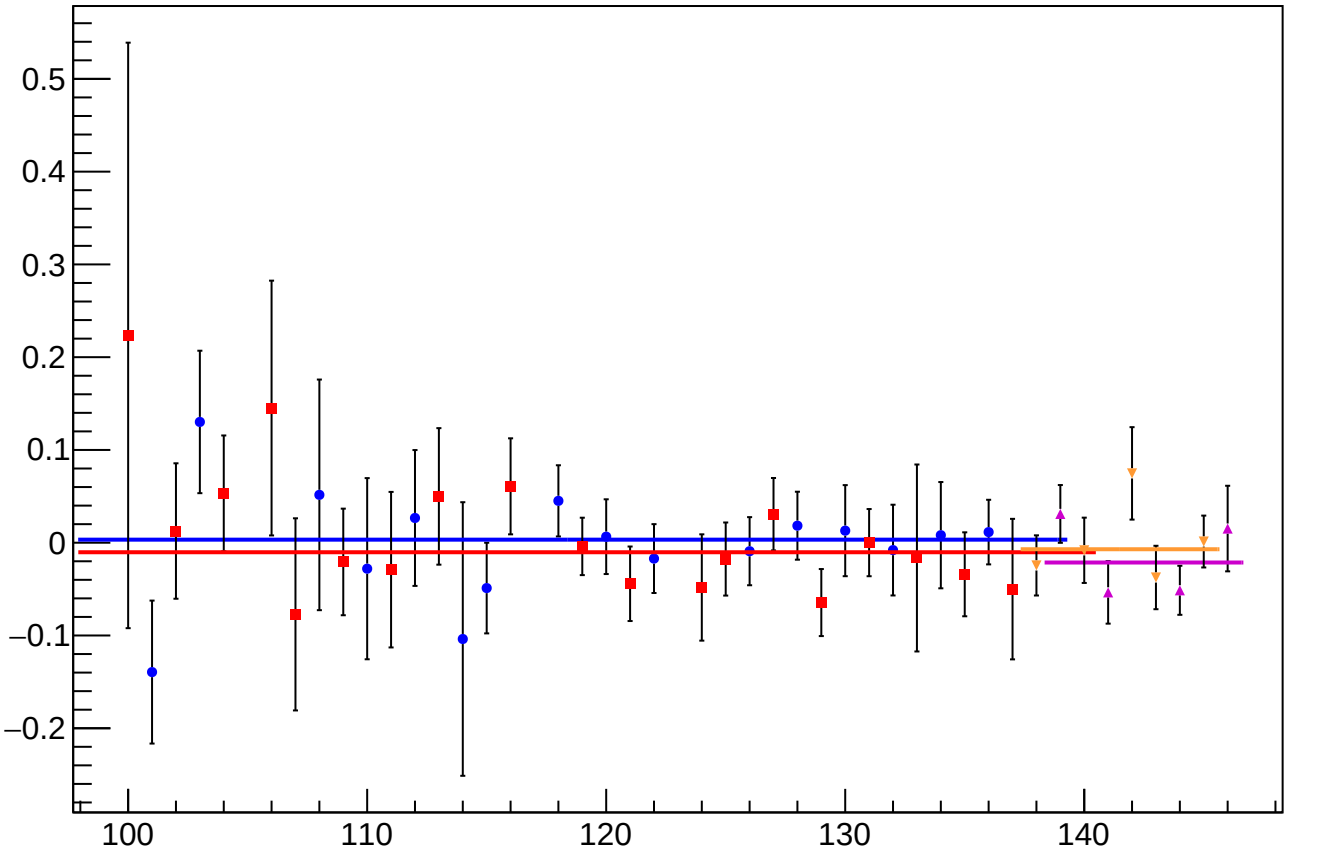
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.938+/-0.011 χ^2/NDF:142482.1/3

+ sign 29.587+/-0.007 χ^2/NDF: 1804625.2/20

All: 29.430+/-0.005 χ^2/NDF: 3798131.9/43

- sign 29.273+/-0.007 χ^2/NDF: 1992428.7/22



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

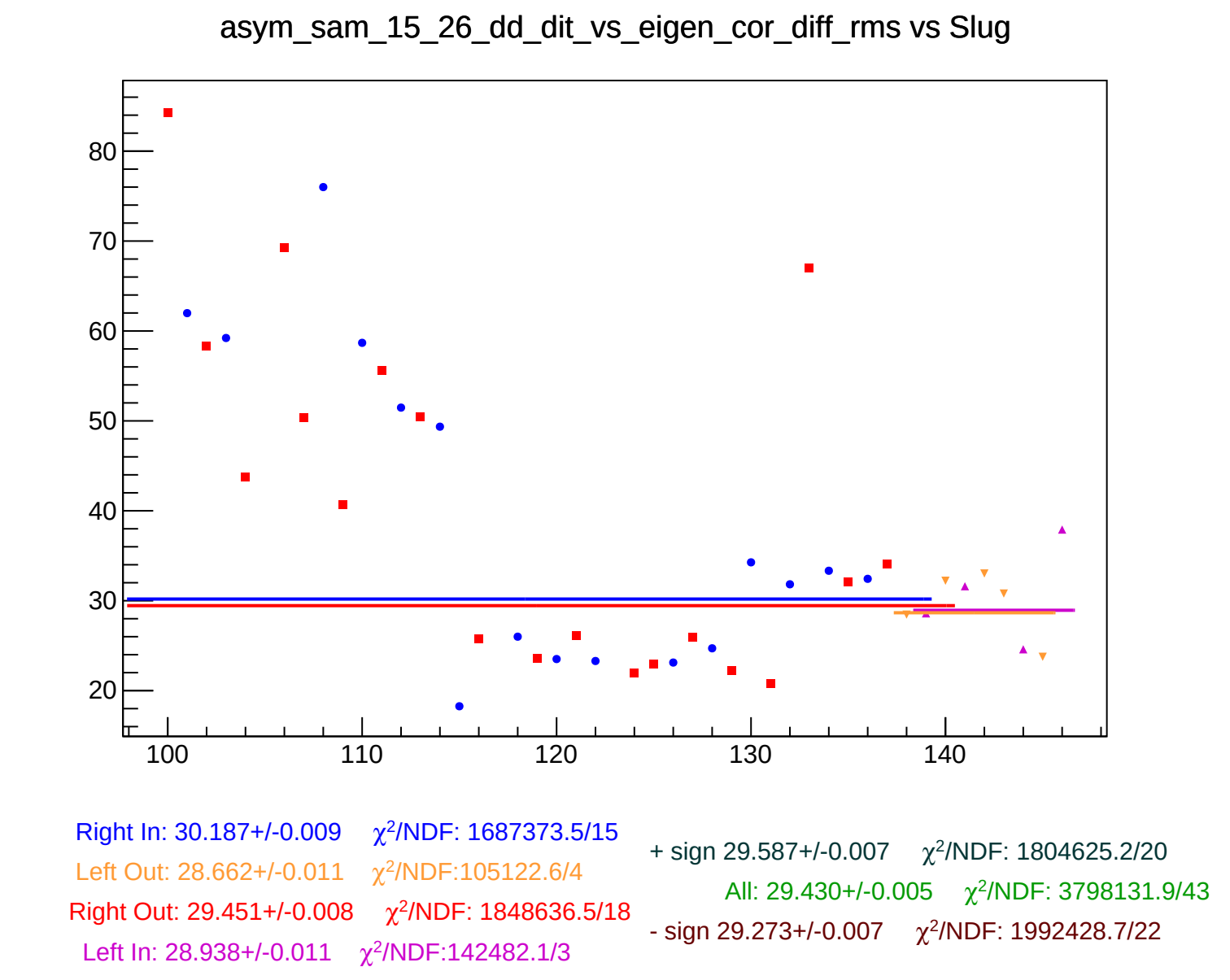
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

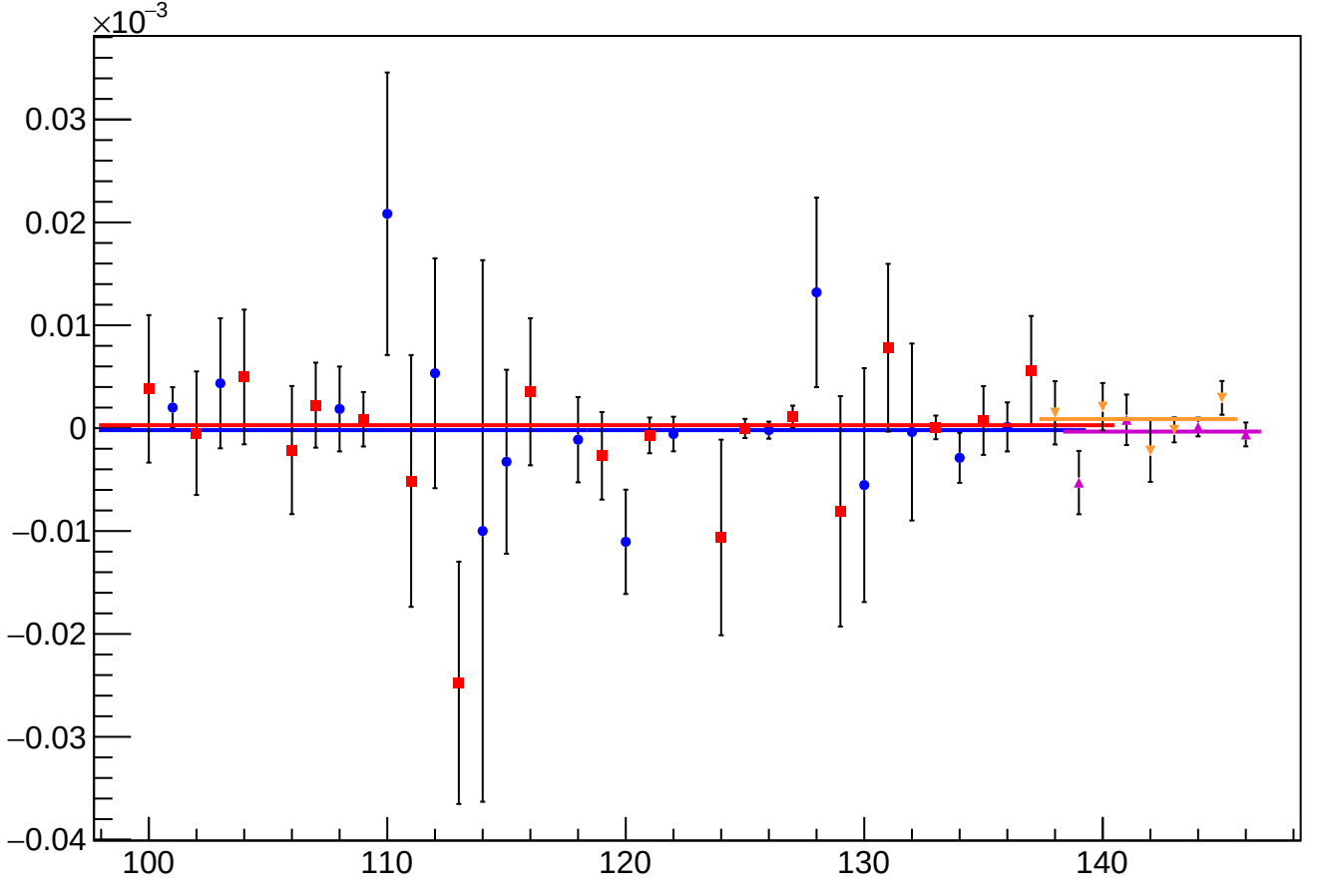
Left In: -0.021+/-0.016 χ^2/NDF:5.7/3

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/20

All: -0.007+/-0.007 χ^2/NDF: 32.4/43

- sign -0.014+/-0.010 χ^2/NDF: 17.2/22


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
Right In: 30.187+/-0.009 χ²/NDF: 1687373.5/15
Left Out: 28.662+/-0.011 χ²/NDF:105122.6/4
Right Out: 29.451+/-0.008 χ²/NDF: 1848636.5/18
Left In: 28.938+/-0.011 χ²/NDF:142482.1/3
+ sign 29.587+/-0.007 χ²/NDF: 1804625.2/20
All: 29.430+/-0.005 χ²/NDF: 3798131.9/43
- sign 29.273+/-0.007 χ²/NDF: 1992428.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/4

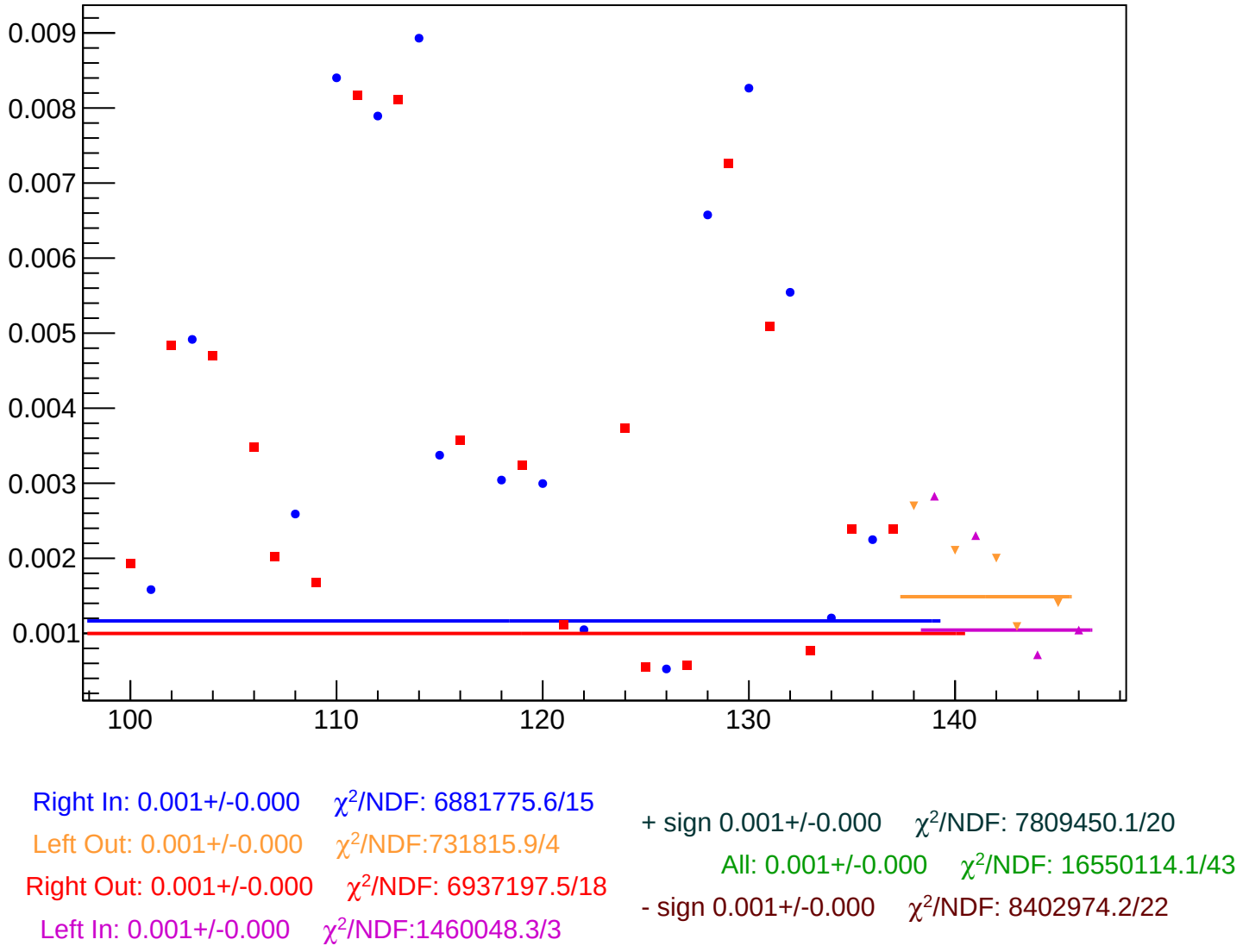
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

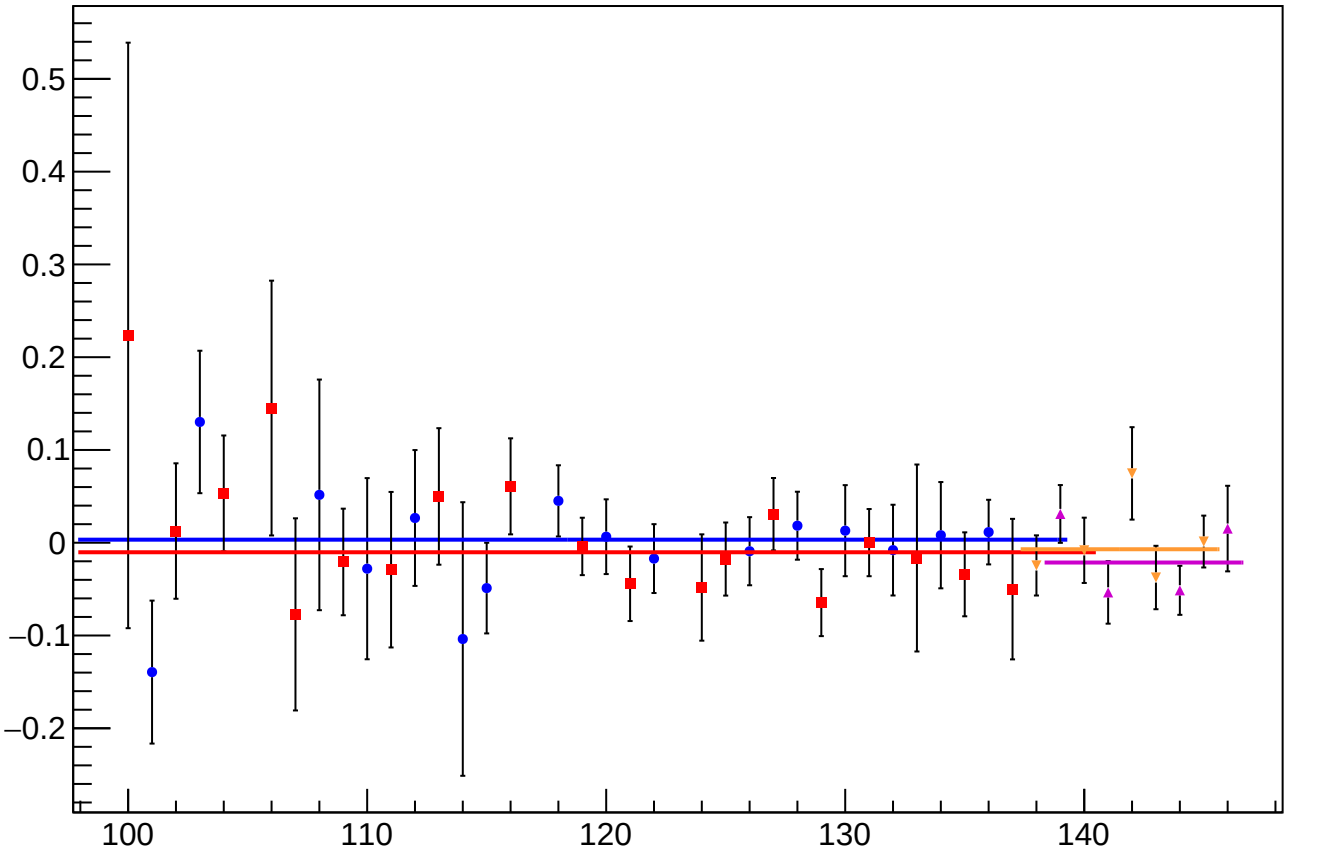
Left In: -0.000+/-0.000 χ^2/NDF:3.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 17.9/20

All: 0.000+/-0.000 χ^2/NDF: 33.0/43

- sign 0.000+/-0.000 χ^2/NDF: 15.1/22


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
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.001+/-0.000 χ²/NDF:731815.9/4
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.001+/-0.000 χ²/NDF:1460048.3/3
+ sign 0.001+/-0.000 χ²/NDF: 7809450.1/20
All: 0.001+/-0.000 χ²/NDF: 16550114.1/43
- sign 0.001+/-0.000 χ²/NDF: 8402974.2/22



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

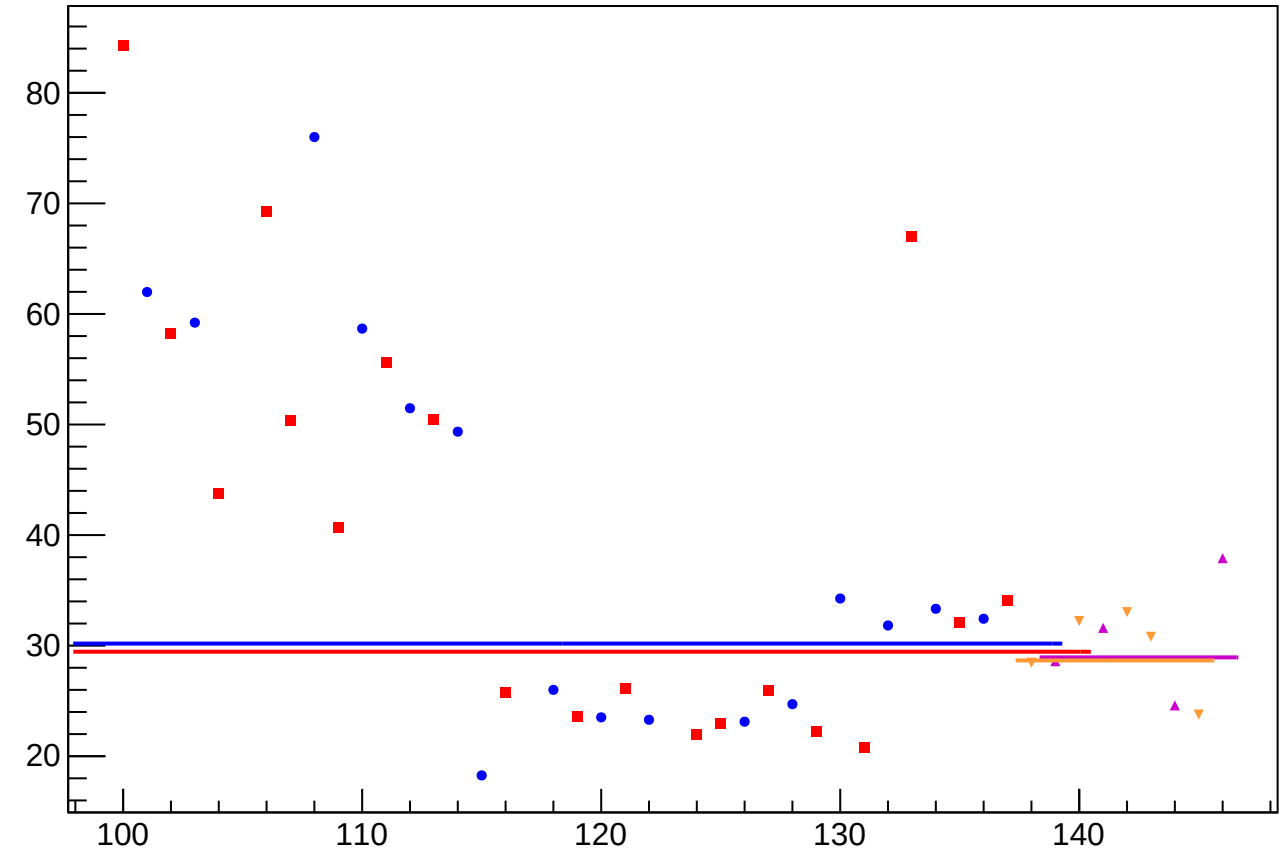
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.021+/-0.016 χ^2/NDF:5.7/3

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/20

All: -0.007+/-0.007 χ^2/NDF: 32.4/43

- sign -0.014+/-0.010 χ^2/NDF: 17.2/22



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.662+/-0.011 χ^2/NDF:105109.7/4

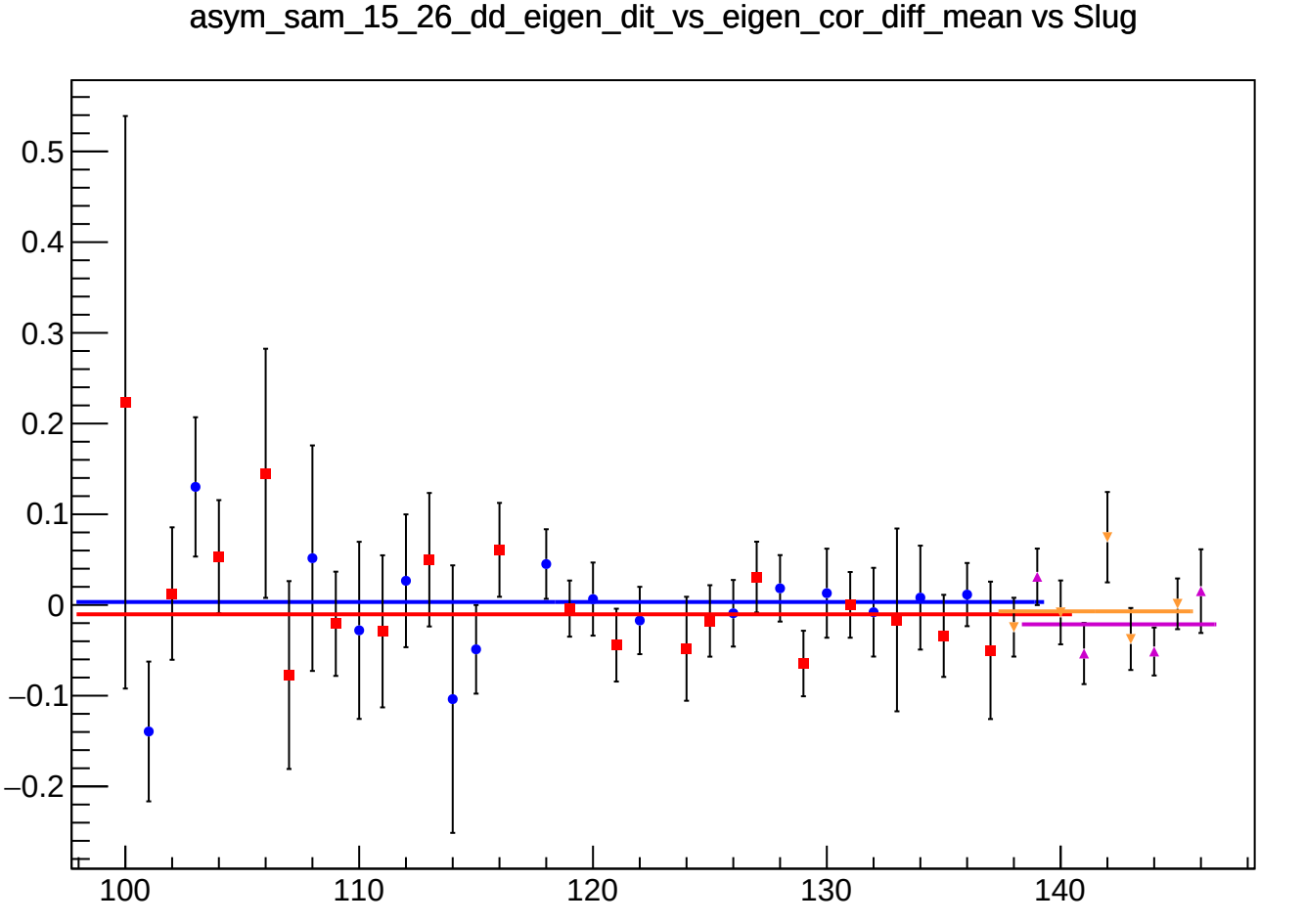
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.939+/-0.011 χ^2/NDF:142482.9/3

+ sign 29.587+/-0.007 χ^2/NDF: 1804419.9/20

All: 29.430+/-0.005 χ^2/NDF: 3797921.5/43

- sign 29.273+/-0.007 χ^2/NDF: 1992420.5/22



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

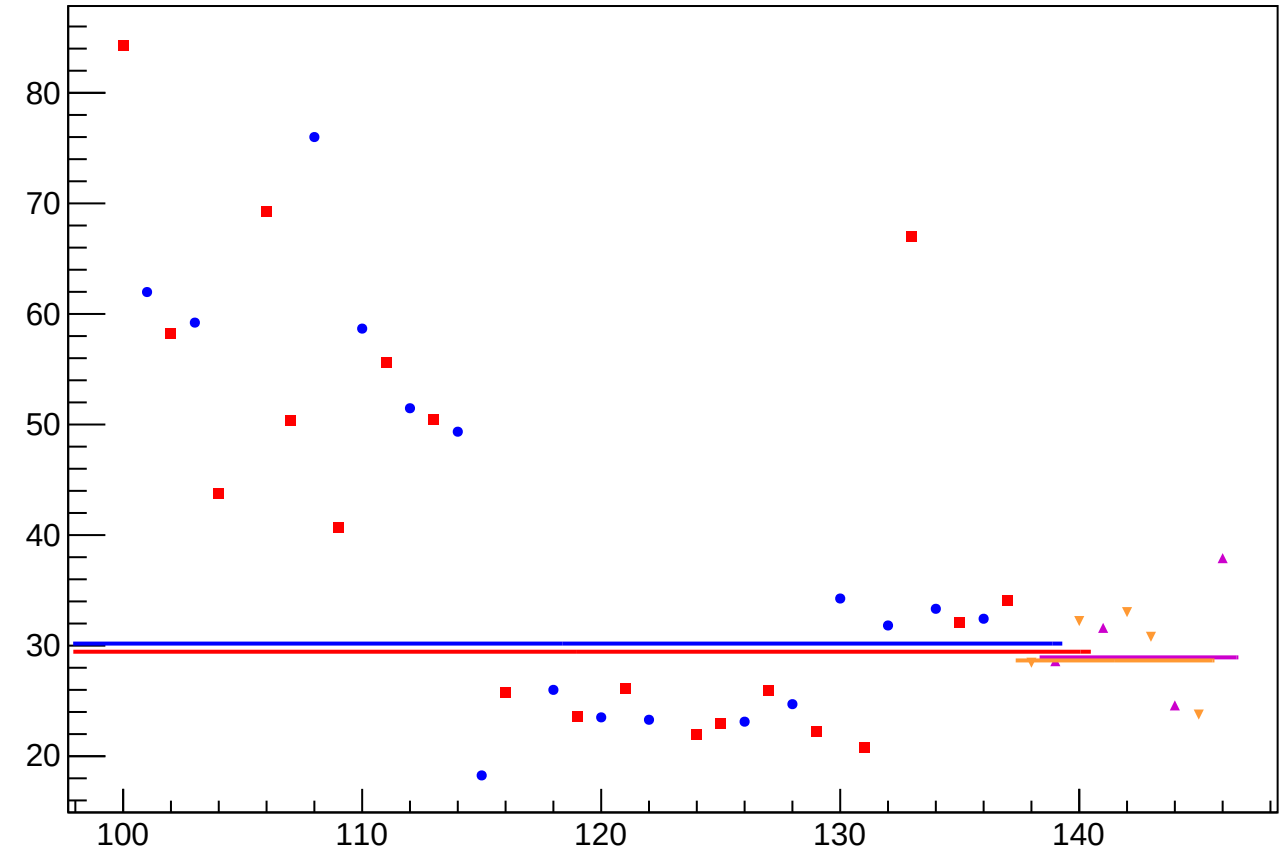
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.021+/-0.016 χ^2/NDF:5.7/3

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/20

All: -0.007+/-0.007 χ^2/NDF: 32.4/43

- sign -0.014+/-0.010 χ^2/NDF: 17.2/22



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.662+/-0.011 χ^2/NDF:105109.7/4

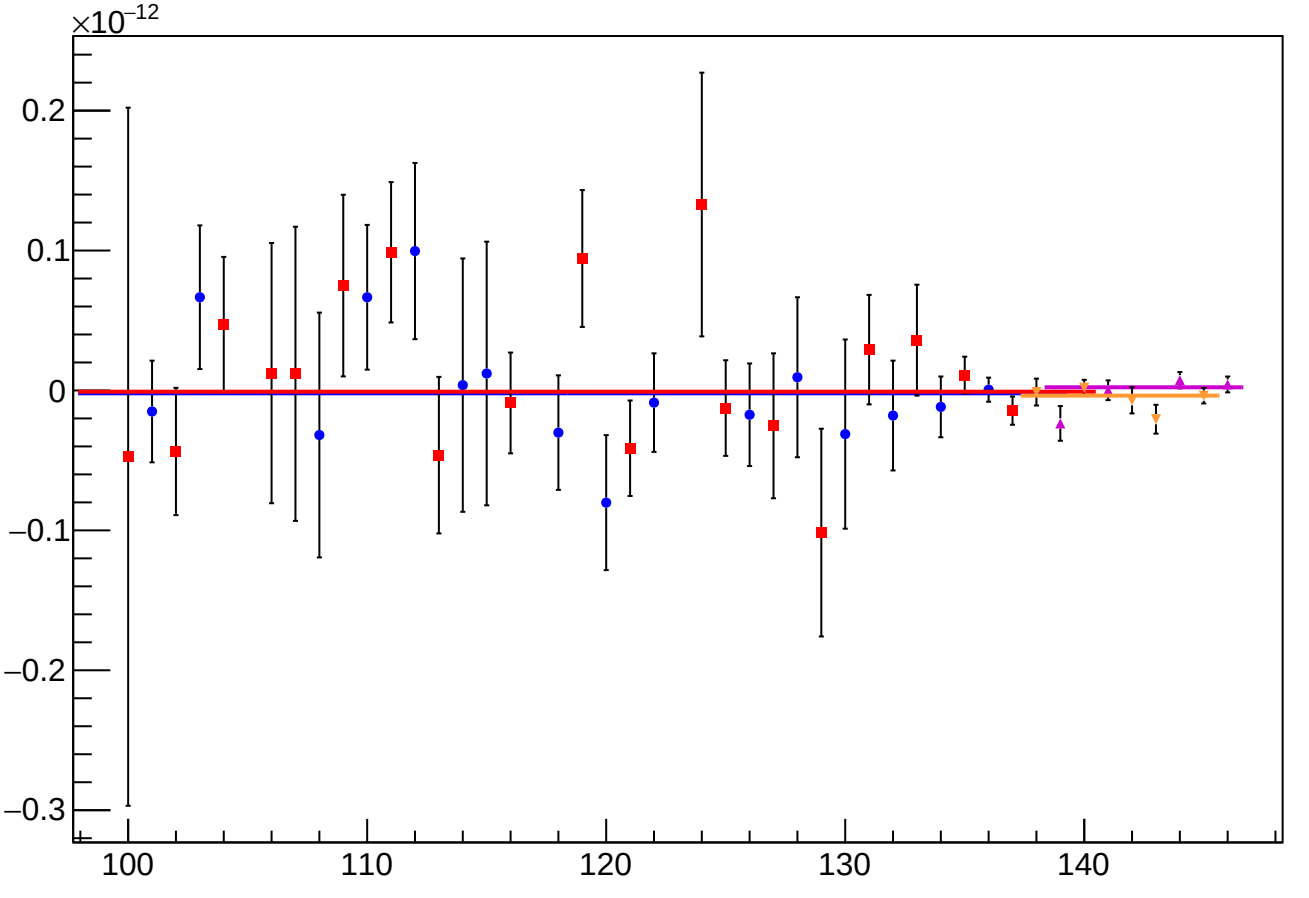
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.939+/-0.011 χ^2/NDF:142482.9/3

+ sign 29.587+/-0.007 χ^2/NDF: 1804419.9/20

All: 29.430+/-0.005 χ^2/NDF: 3797921.5/43

- sign 29.273+/-0.007 χ^2/NDF: 1992420.5/22



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/4

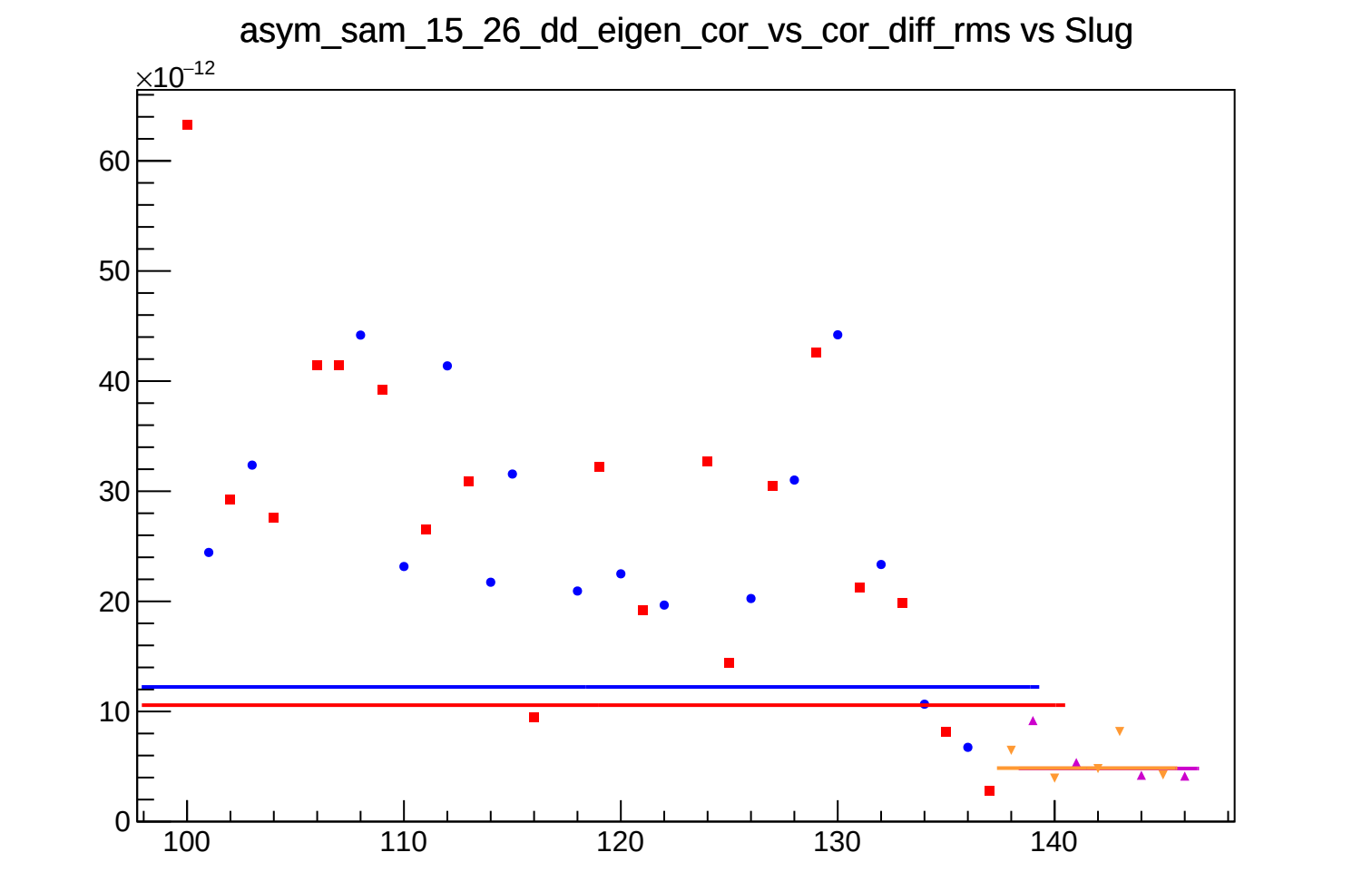
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/3

+ sign -0.000+/-0.000 χ^2/NDF: 14.3/20

All: -0.000+/-0.000 χ^2/NDF: 42.6/43

- sign 0.000+/-0.000 χ^2/NDF: 26.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:340874.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

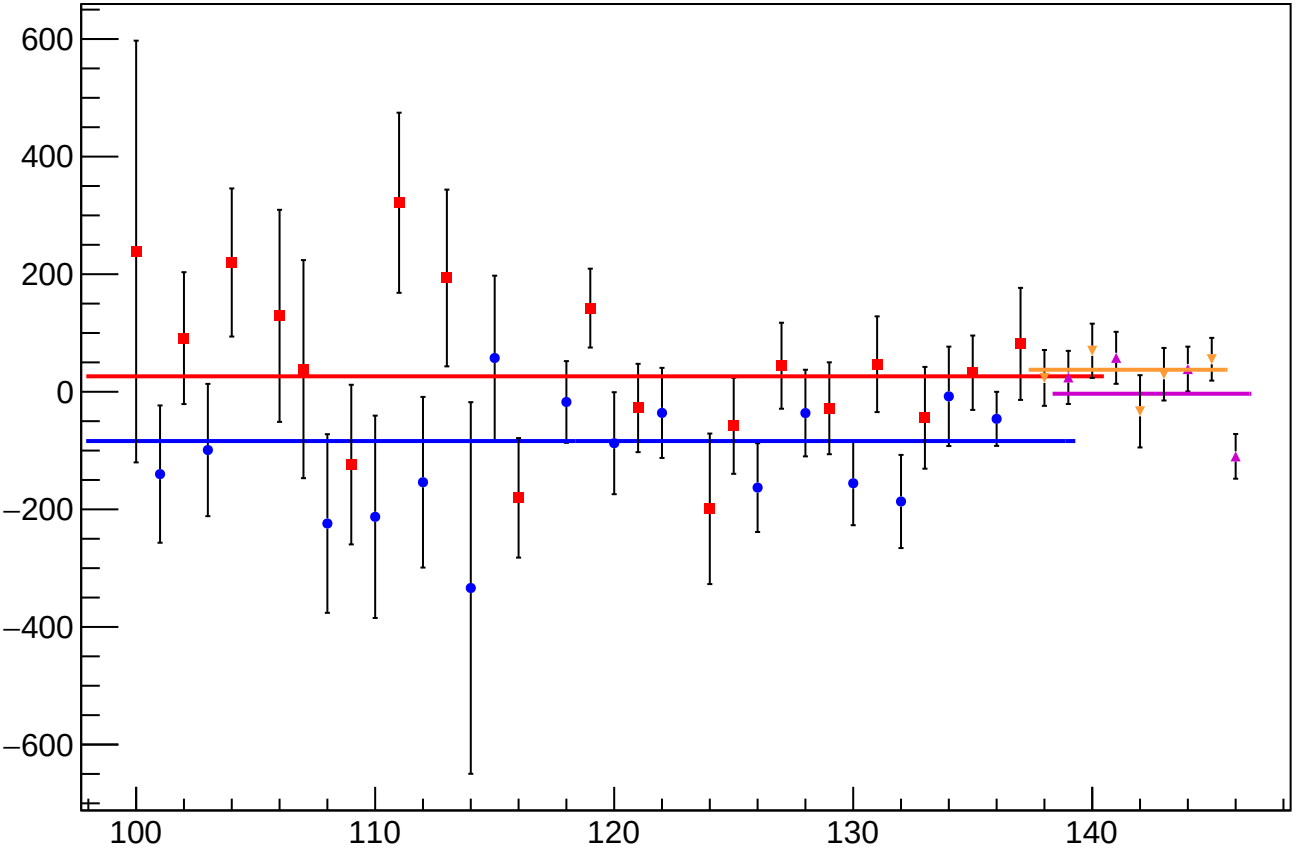
Left In: 0.000+/-0.000 χ^2/NDF:309983.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 5683904.6/20

All: 0.000+/-0.000 χ^2/NDF: 11953974.7/43

- sign 0.000+/-0.000 χ^2/NDF: 6265006.8/22

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 37.485+/-20.263 χ^2/NDF:2.2/4

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

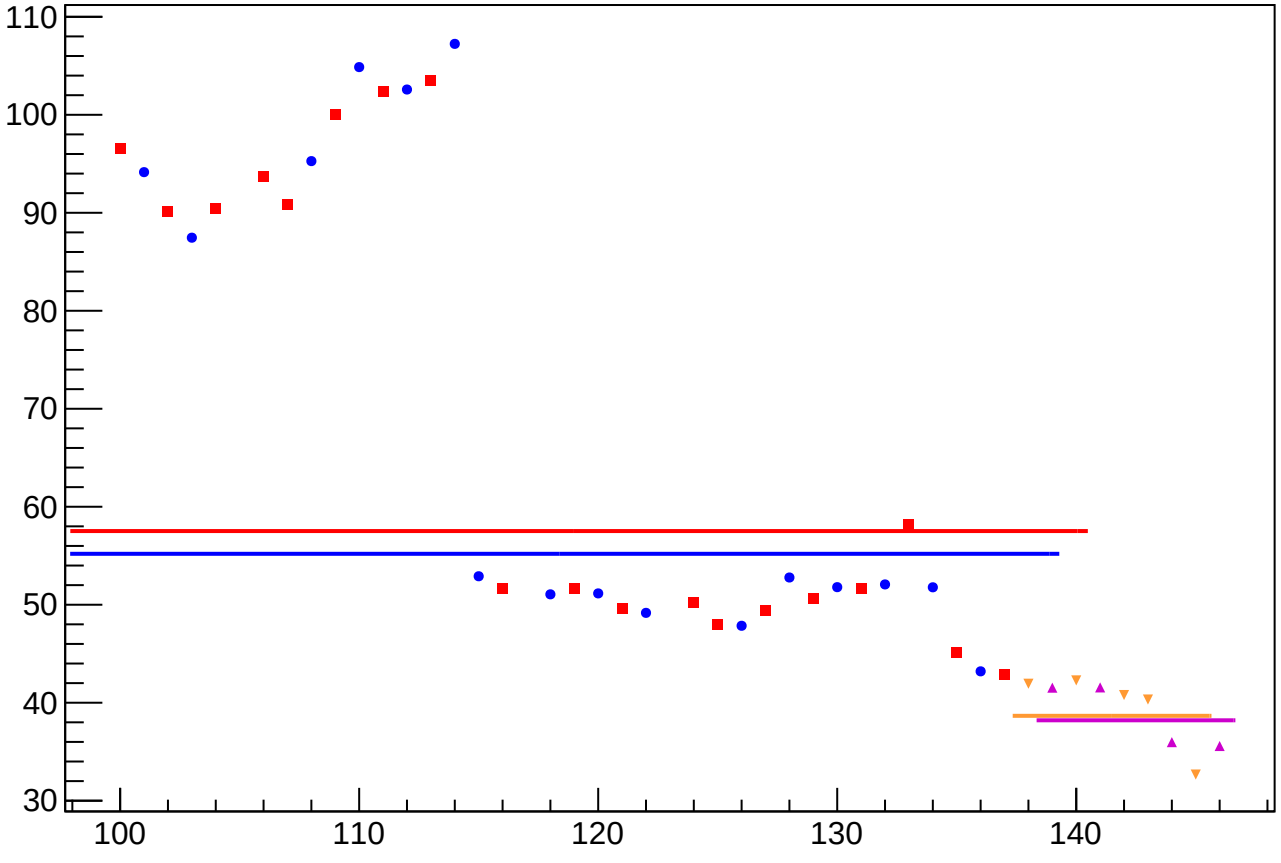
Left In: -3.312+/-20.488 χ^2/NDF:11.4/3

+ sign -19.755+/-14.725 χ^2/NDF: 29.6/20

All: -4.973+/-10.513 χ^2/NDF: 67.0/43

- sign 10.397+/-15.014 χ^2/NDF: 35.3/22

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.664+/-0.014 χ^2/NDF:81367.3/4

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

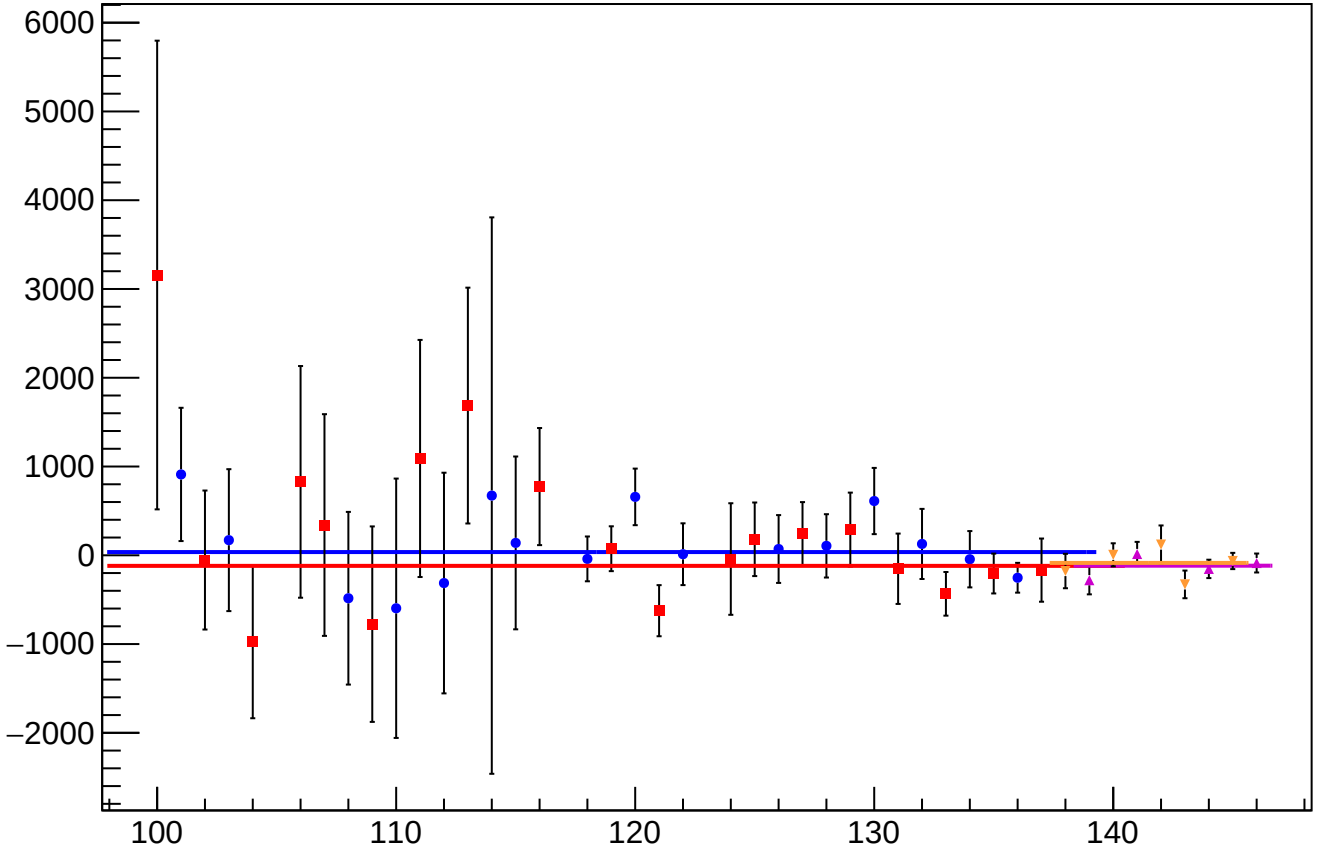
Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

+ sign 46.466+/-0.010 χ^2/NDF: 1862385.3/20

All: 46.800+/-0.007 χ^2/NDF: 4007811.6/43

- sign 47.147+/-0.011 χ^2/NDF: 2143331.3/22

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -85.884+/-61.136 χ^2/NDF:4.1/4

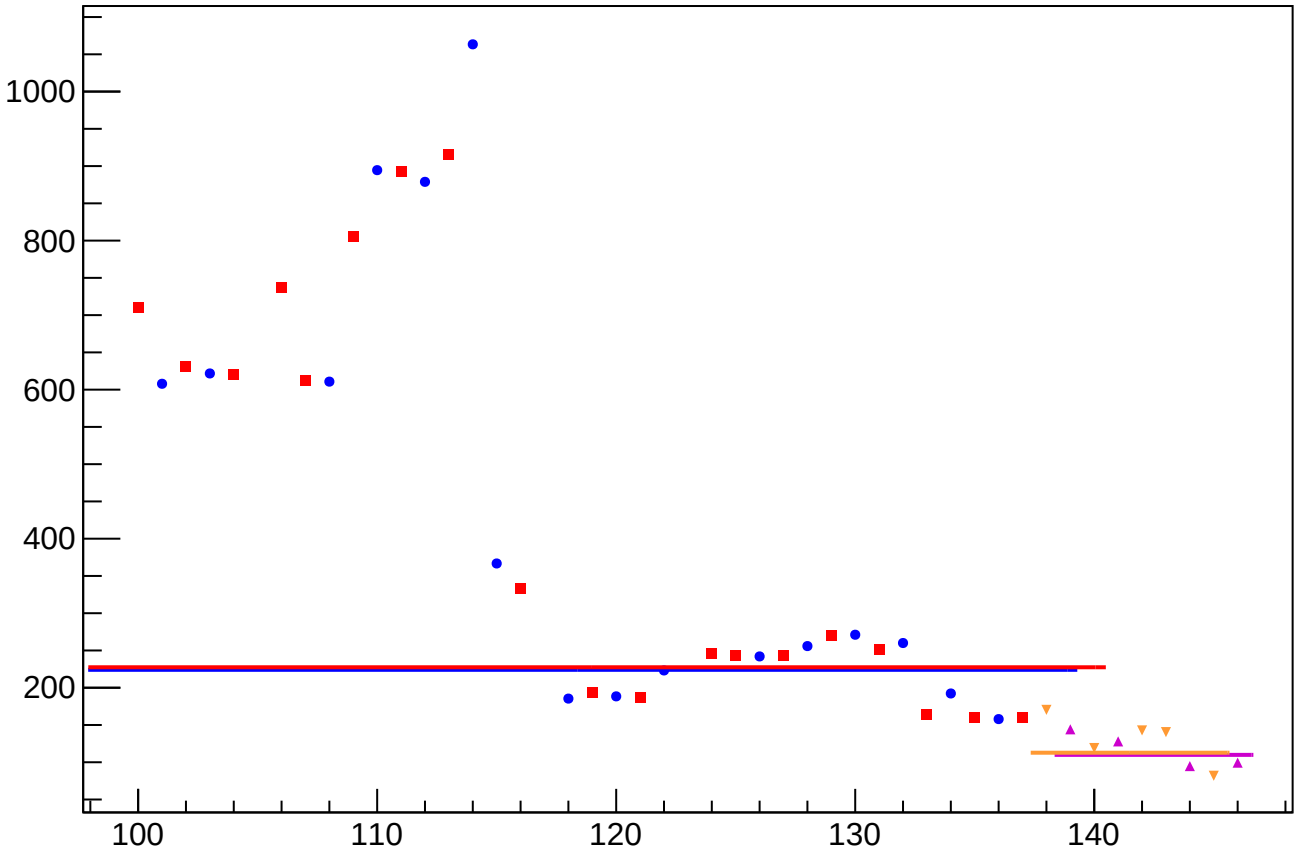
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -117.231+/-60.414 χ^2/NDF:2.2/3

\+ sign -49.317+/-51.179 χ^2/NDF: 16.7/20

All: -83.598+/-36.163 χ^2/NDF: 35.8/43

\- sign -117.781+/-51.106 χ^2/NDF: 18.2/22



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 112.803+/-0.043 χ^2/NDF:510019.2/4

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

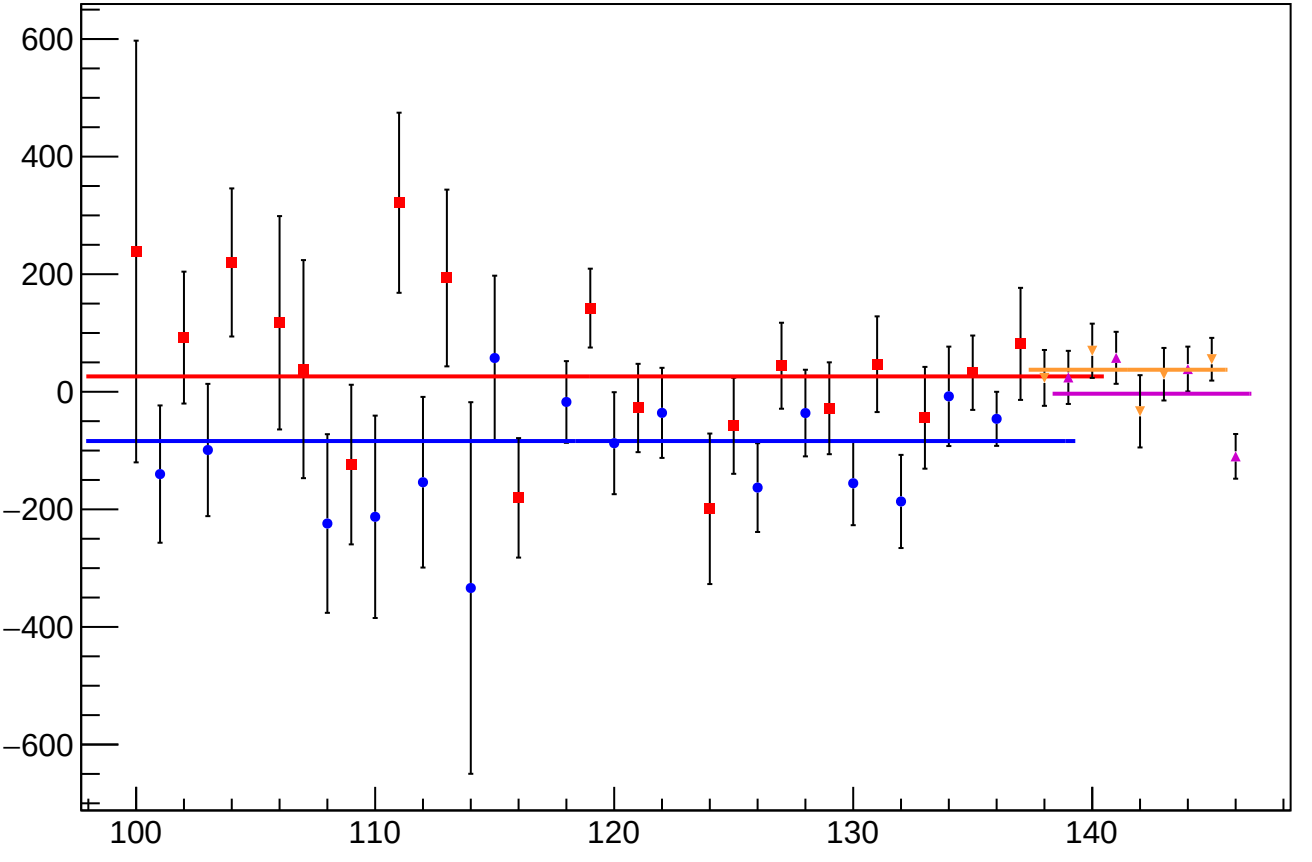
Left In: 109.898+/-0.043 χ^2/NDF:188895.4/3

+ sign 146.087+/-0.036 χ^2/NDF: 5459251.3/20

All: 144.706+/-0.026 χ^2/NDF: 11445168.6/43

- sign 143.329+/-0.036 χ^2/NDF: 5983009.3/22

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 37.486+/-20.263 χ^2/NDF:2.2/4

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

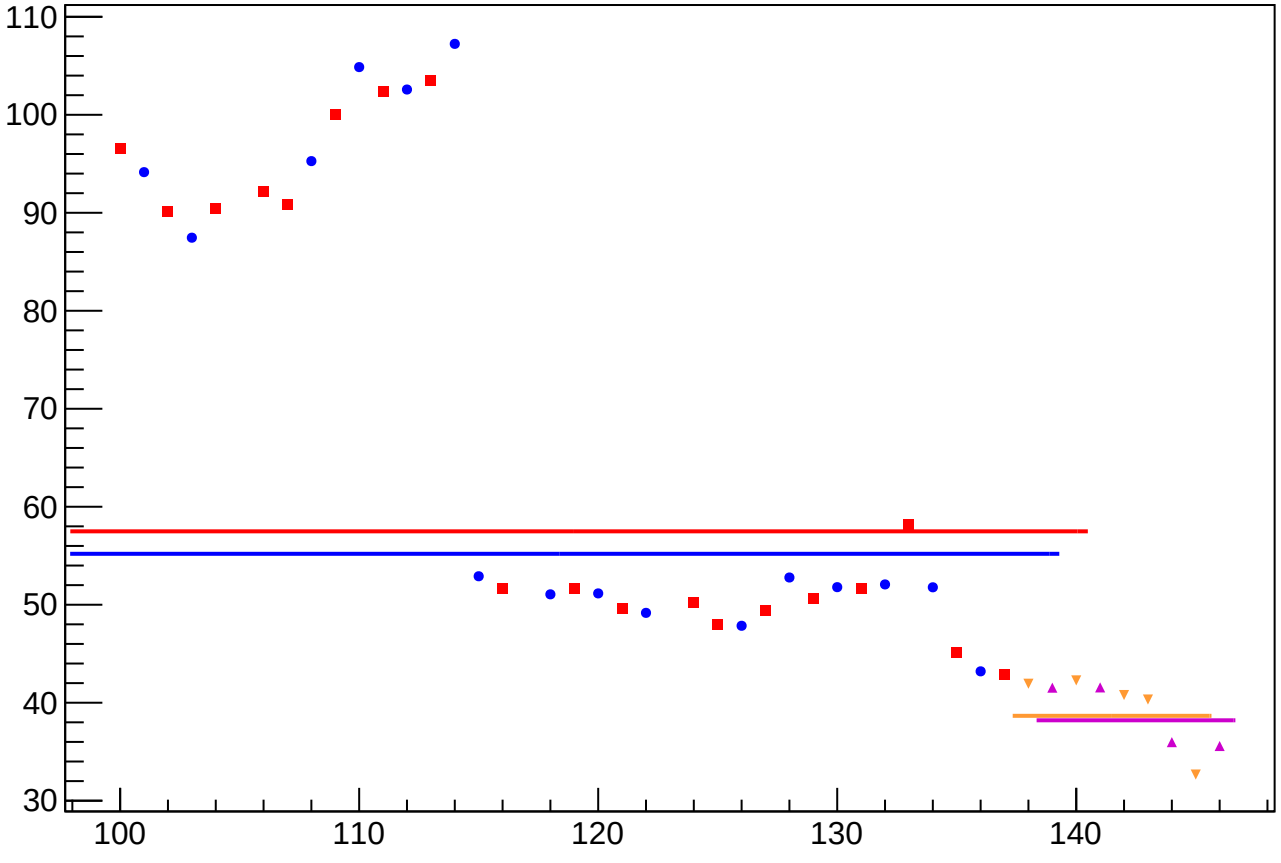
Left In: -3.310+/-20.488 χ^2/NDF:11.4/3

+ sign -19.754+/-14.725 χ^2/NDF: 29.6/20

All: -5.009+/-10.513 χ^2/NDF: 66.9/43

- sign 10.323+/-15.015 χ^2/NDF: 35.2/22

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.664+/-0.014 χ^2/NDF:81367.3/4

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

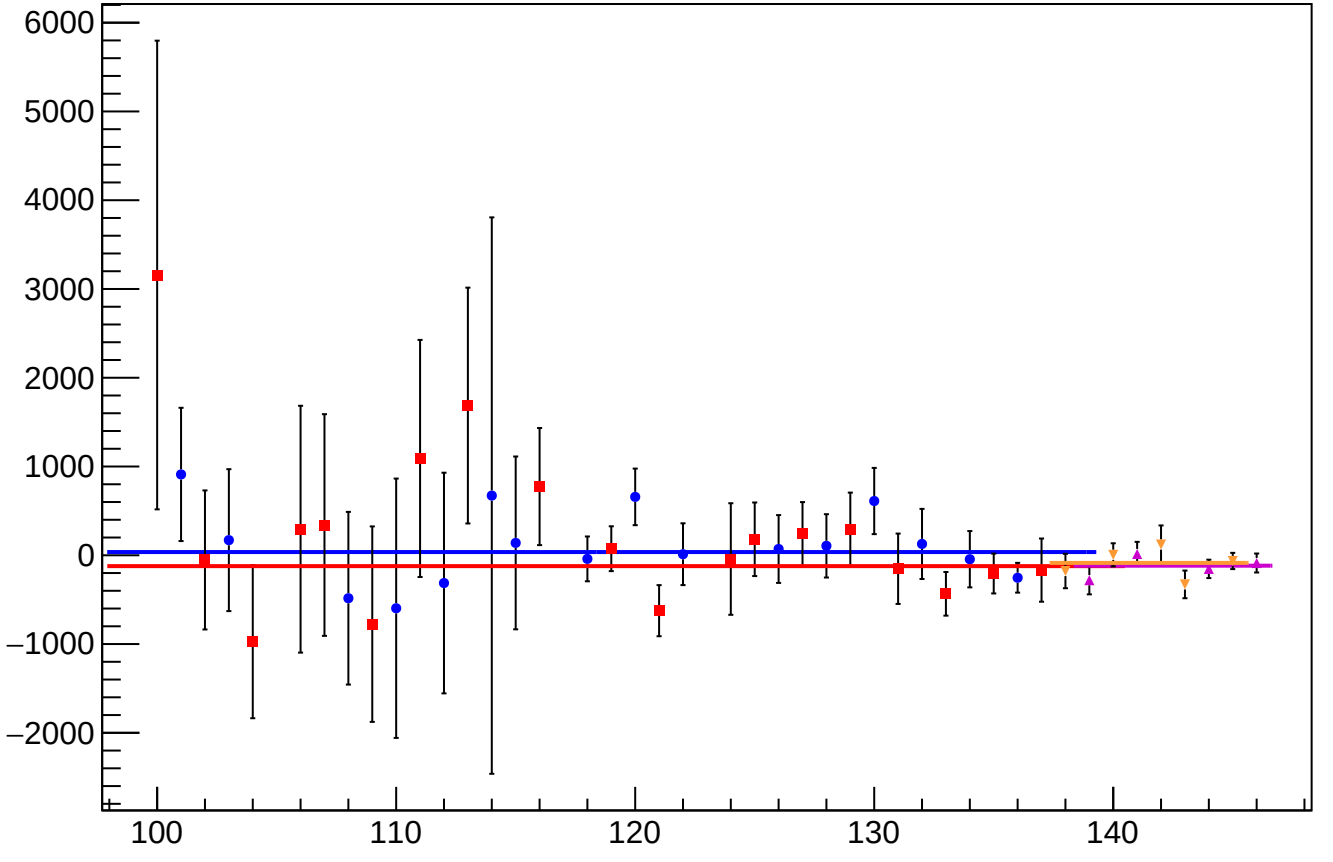
Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

+ sign 46.466+/-0.010 χ^2/NDF: 1862385.6/20

All: 46.793+/-0.007 χ^2/NDF: 3997776.5/43

- sign 47.133+/-0.011 χ^2/NDF: 2133383.1/22

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -85.884+/-61.136 χ^2/NDF:4.1/4

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

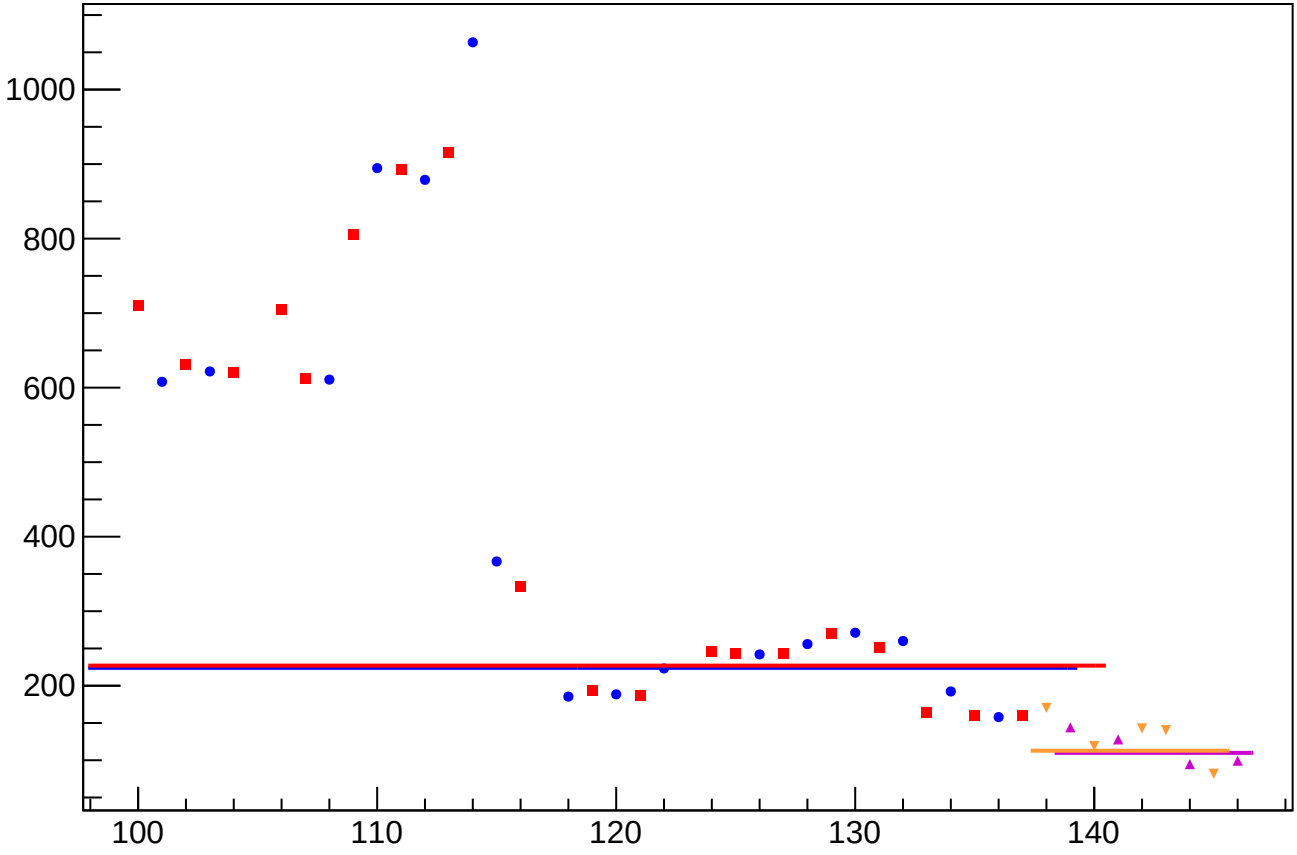
Left In: -117.230+/-60.414 χ^2/NDF:2.2/3

+ sign -49.317+/-51.179 χ^2/NDF: 16.7/20

All: -84.039+/-36.165 χ^2/NDF: 35.4/43

- sign -118.668+/-51.111 χ^2/NDF: 17.8/22

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 112.803+/-0.043 χ^2/NDF:510022.5/4

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

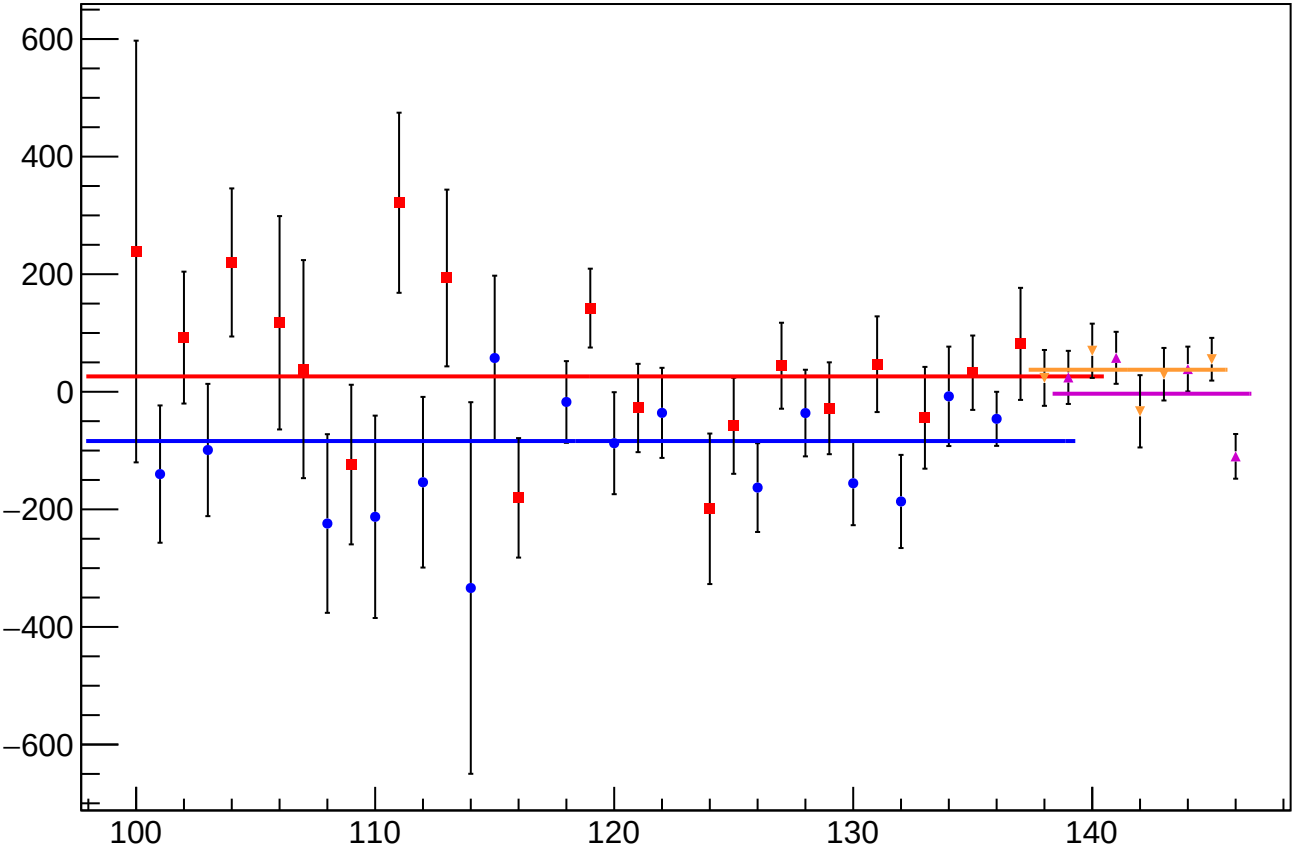
Left In: 109.897+/-0.043 χ^2/NDF:188897.1/3

+ sign 146.087+/-0.036 χ^2/NDF: 5459264.9/20

All: 144.630+/-0.026 χ^2/NDF: 11358288.1/43

- sign 143.176+/-0.036 χ^2/NDF: 5895785.8/22

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 37.486+/-20.263 χ^2/NDF:2.2/4

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

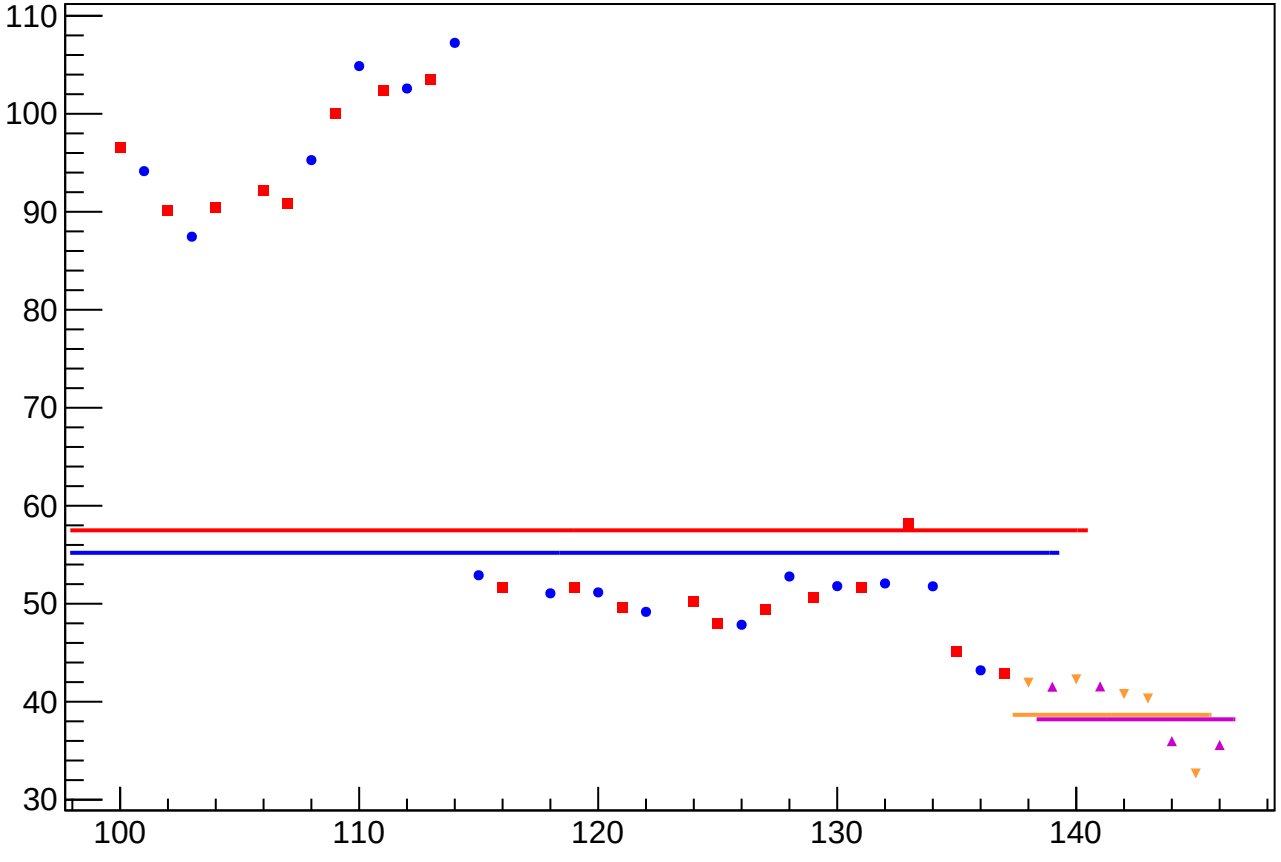
Left In: -3.310+/-20.488 χ^2/NDF:11.4/3

+ sign -19.754+/-14.725 χ^2/NDF: 29.6/20

All: -5.009+/-10.513 χ^2/NDF: 66.9/43

- sign 10.323+/-15.015 χ^2/NDF: 35.2/22

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.664+/-0.014 χ^2/NDF:81367.3/4

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

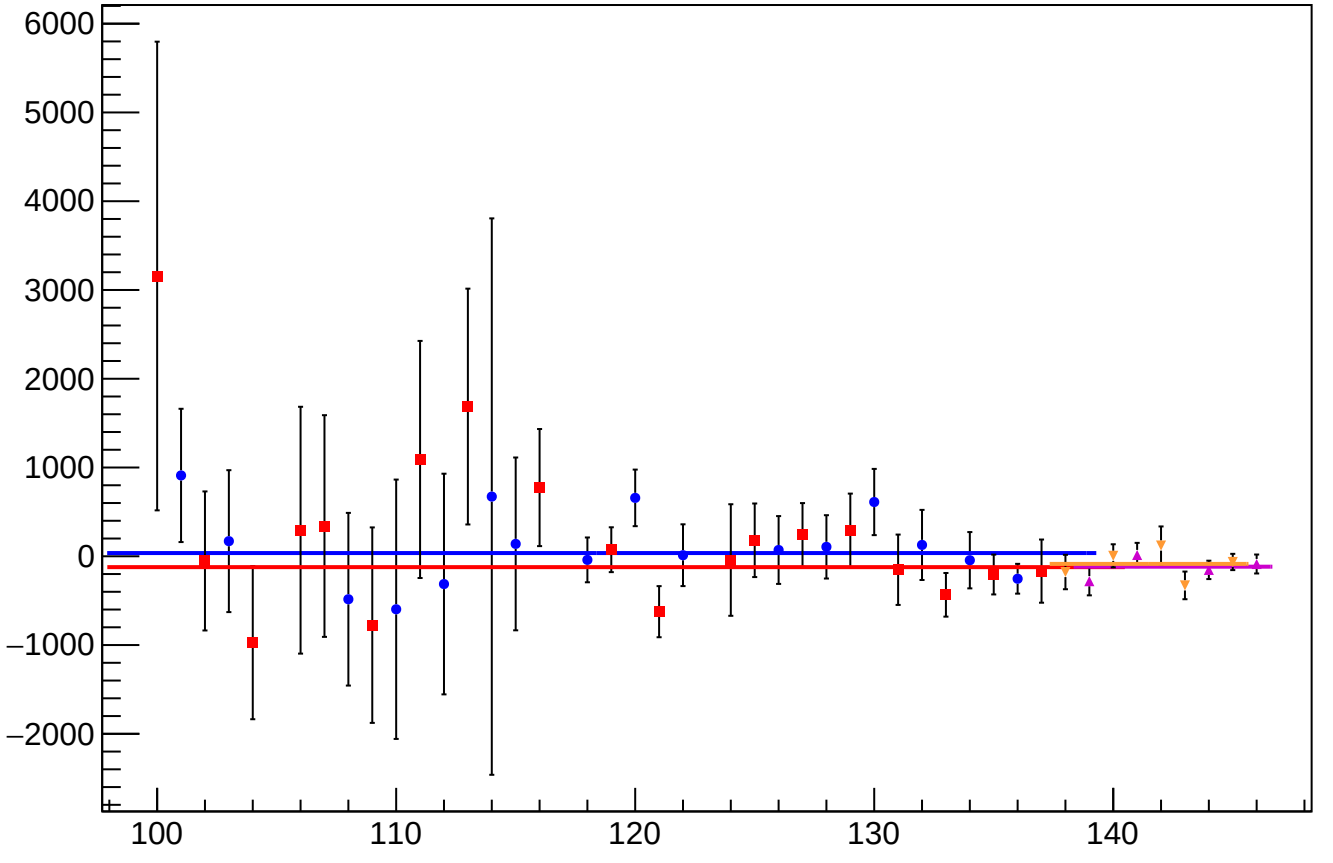
Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

+ sign 46.466+/-0.010 χ^2/NDF: 1862385.6/20

All: 46.793+/-0.007 χ^2/NDF: 3997776.5/43

- sign 47.133+/-0.011 χ^2/NDF: 2133383.1/22

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -85.884+/-61.136 χ^2/NDF:4.1/4

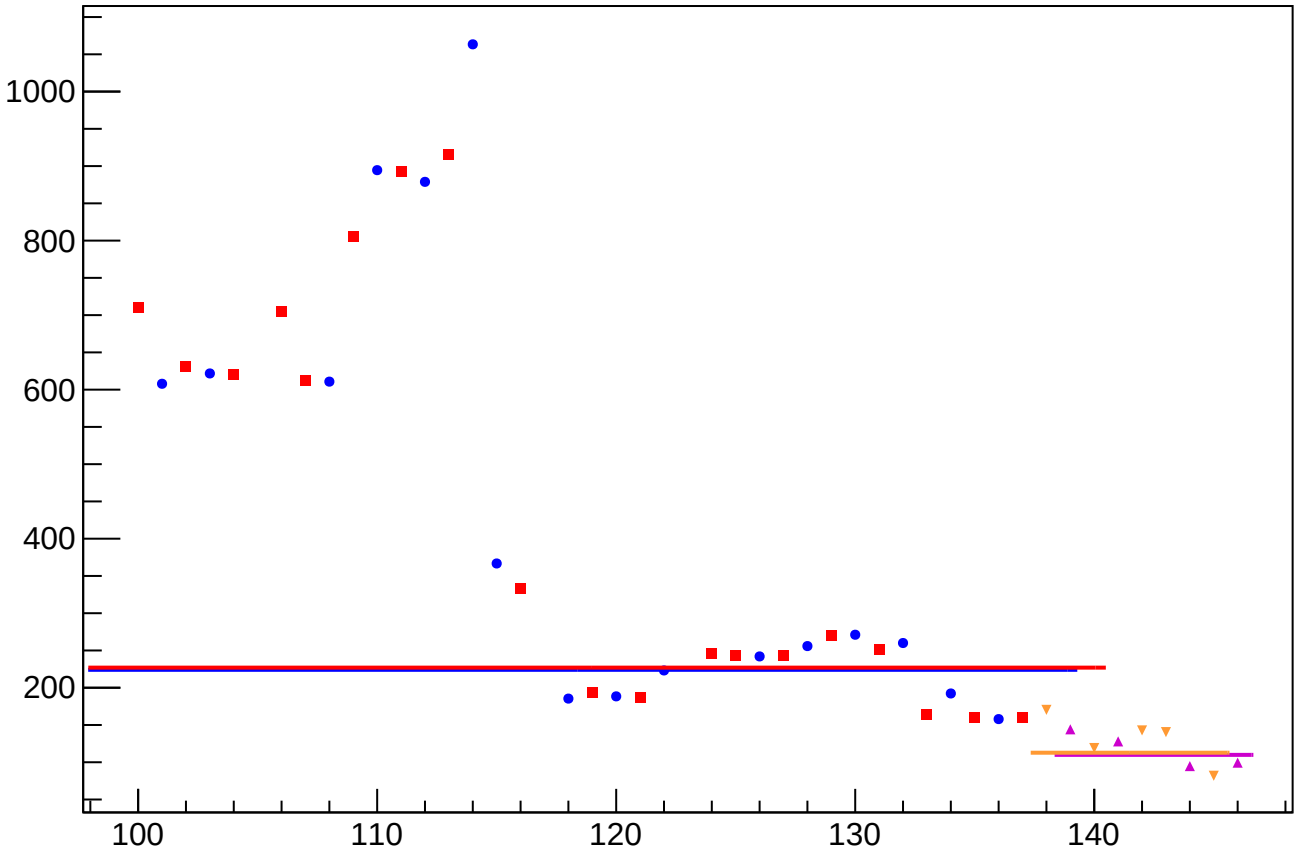
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -117.230+/-60.414 χ^2/NDF:2.2/3

+ sign -49.317+/-51.179 χ^2/NDF: 16.7/20

All: -84.039+/-36.165 χ^2/NDF: 35.4/43

- sign -118.668+/-51.111 χ^2/NDF: 17.8/22



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 112.803+/-0.043 χ^2/NDF:510022.5/4

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

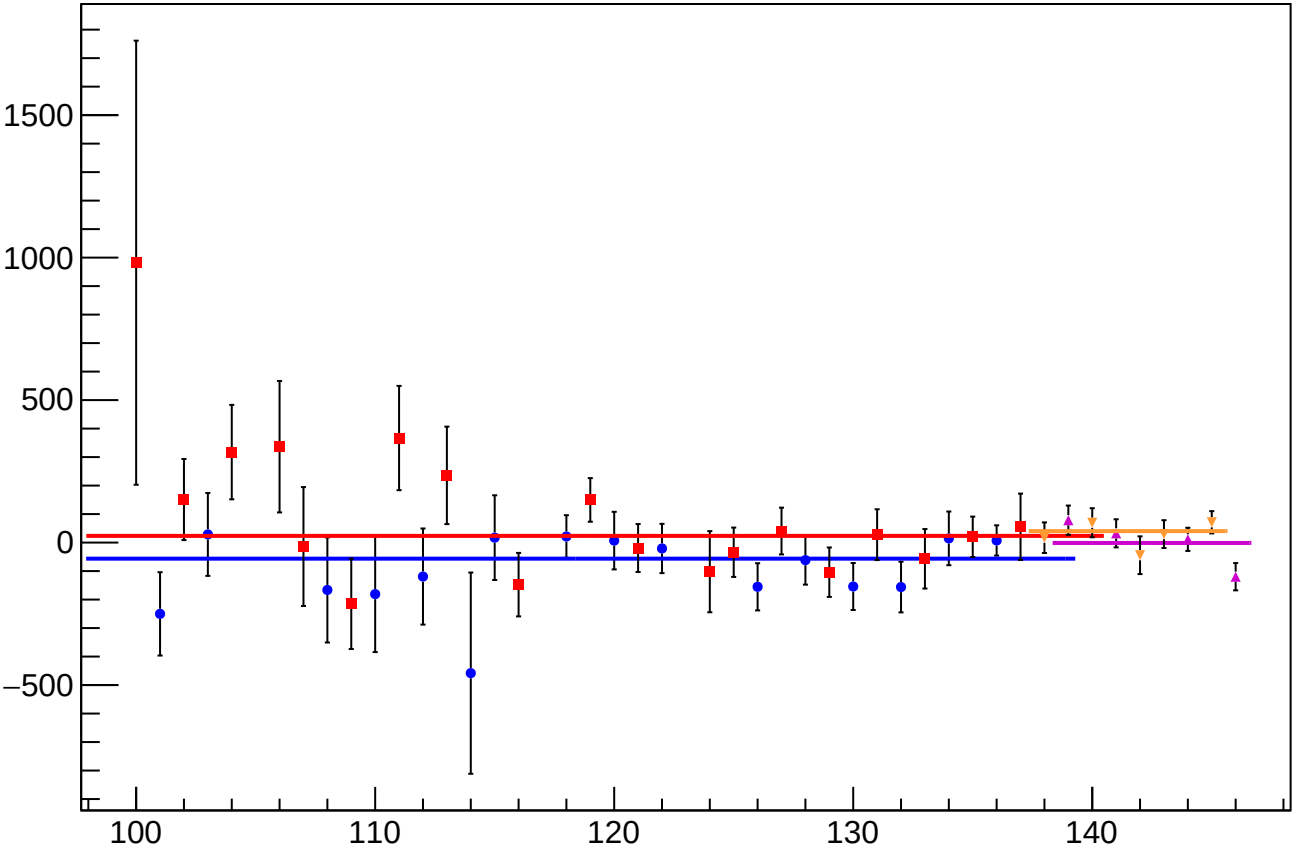
Left In: 109.897+/-0.043 χ^2/NDF:188897.1/3

+ sign 146.087+/-0.036 χ^2/NDF: 5459264.9/20

All: 144.630+/-0.026 χ^2/NDF: 11358288.1/43

- sign 143.176+/-0.036 χ^2/NDF: 5895785.8/22

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 40.137+/-22.177 χ^2/NDF:2.8/4

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

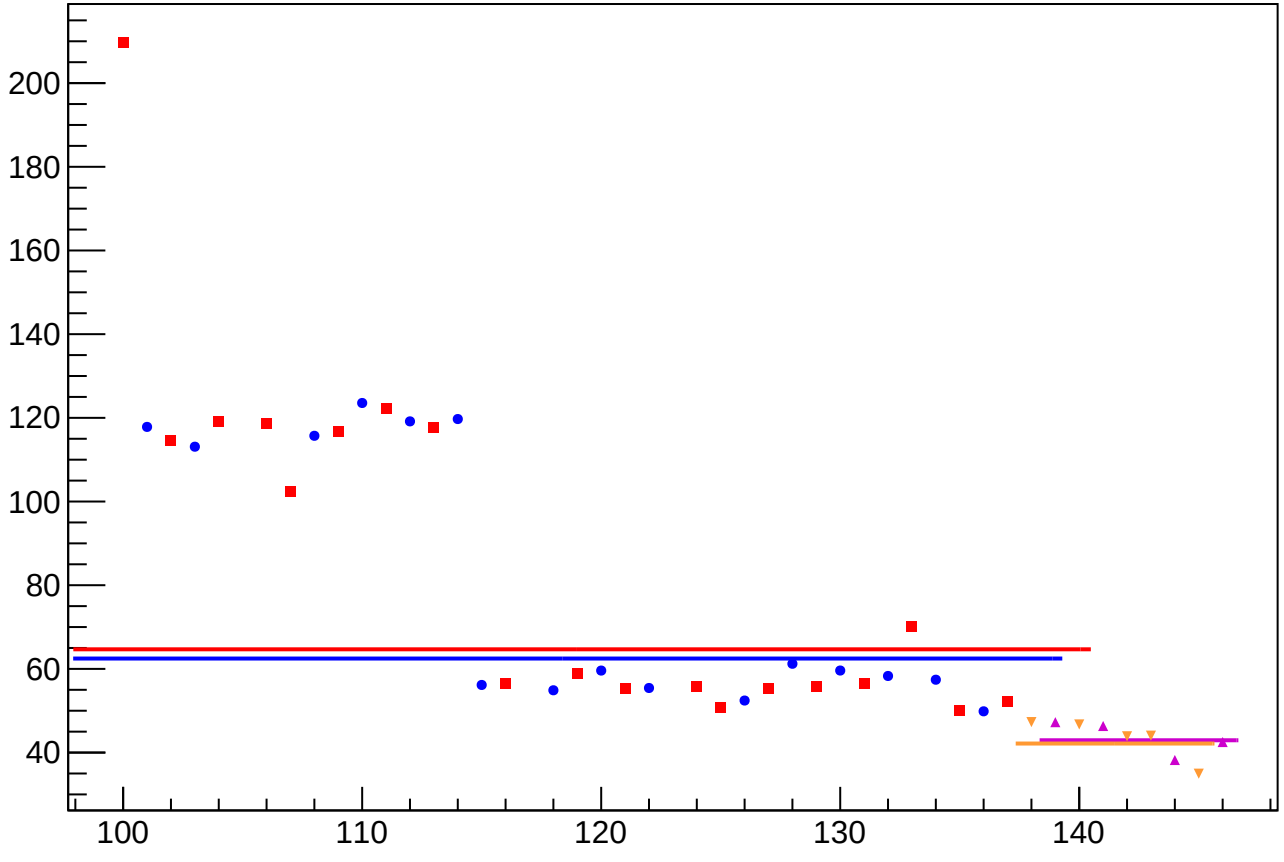
Left In: -1.307+/-23.367 χ^2/NDF:9.1/3

+ sign -3.367+/-16.438 χ^2/NDF: 23.6/20

All: 3.130+/-11.858 χ^2/NDF: 57.6/43

- sign 10.179+/-17.122 χ^2/NDF: 33.7/22

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.160+/-0.016 χ^2/NDF:106542.4/4

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

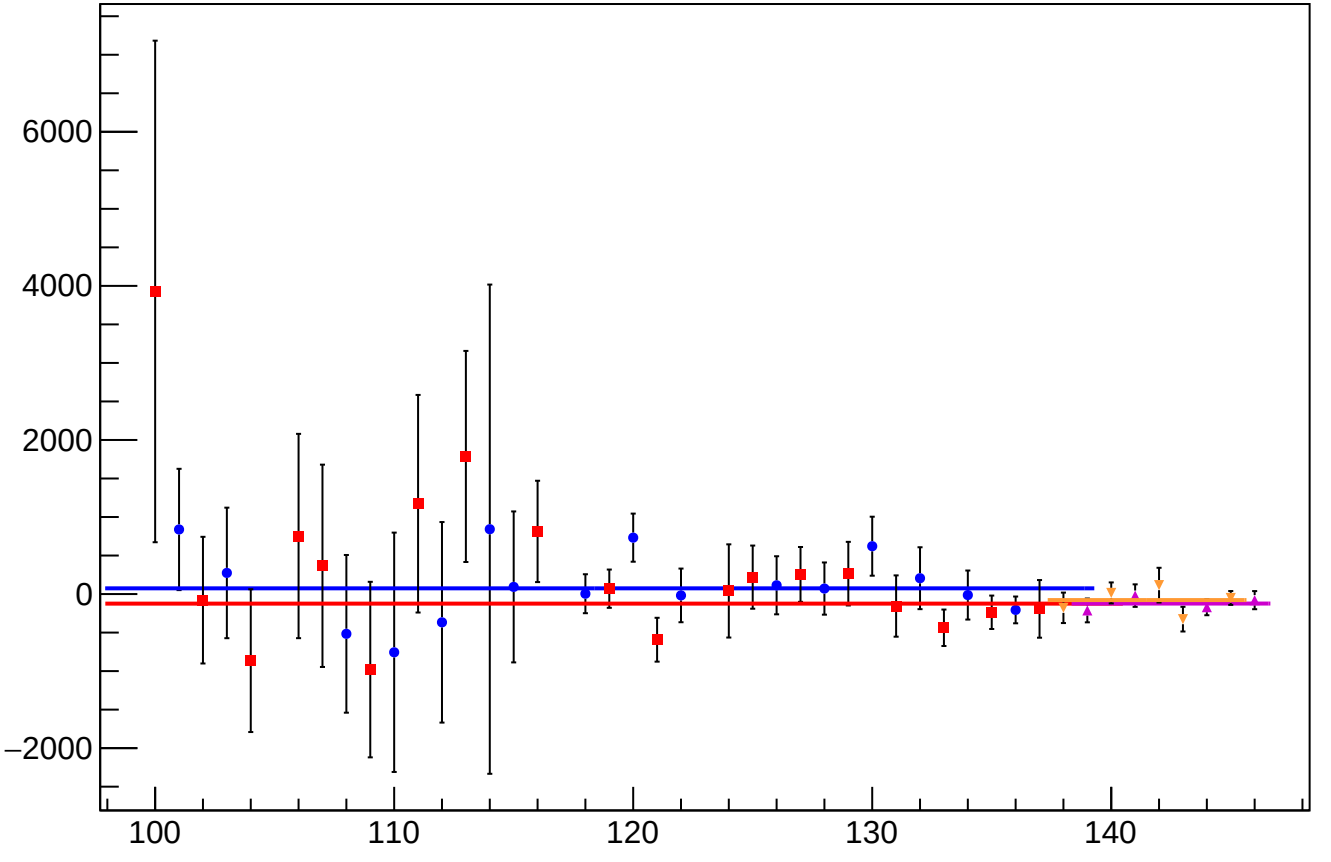
Left In: 42.941+/-0.017 χ^2/NDF:50799.8/3

+ sign 51.313+/-0.012 χ^2/NDF: 2210922.3/20

All: 52.126+/-0.008 χ^2/NDF: 4664002.3/43

- sign 53.008+/-0.012 χ^2/NDF: 2442875.0/22

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -78.240+/-61.825 χ^2/NDF:4.0/4

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

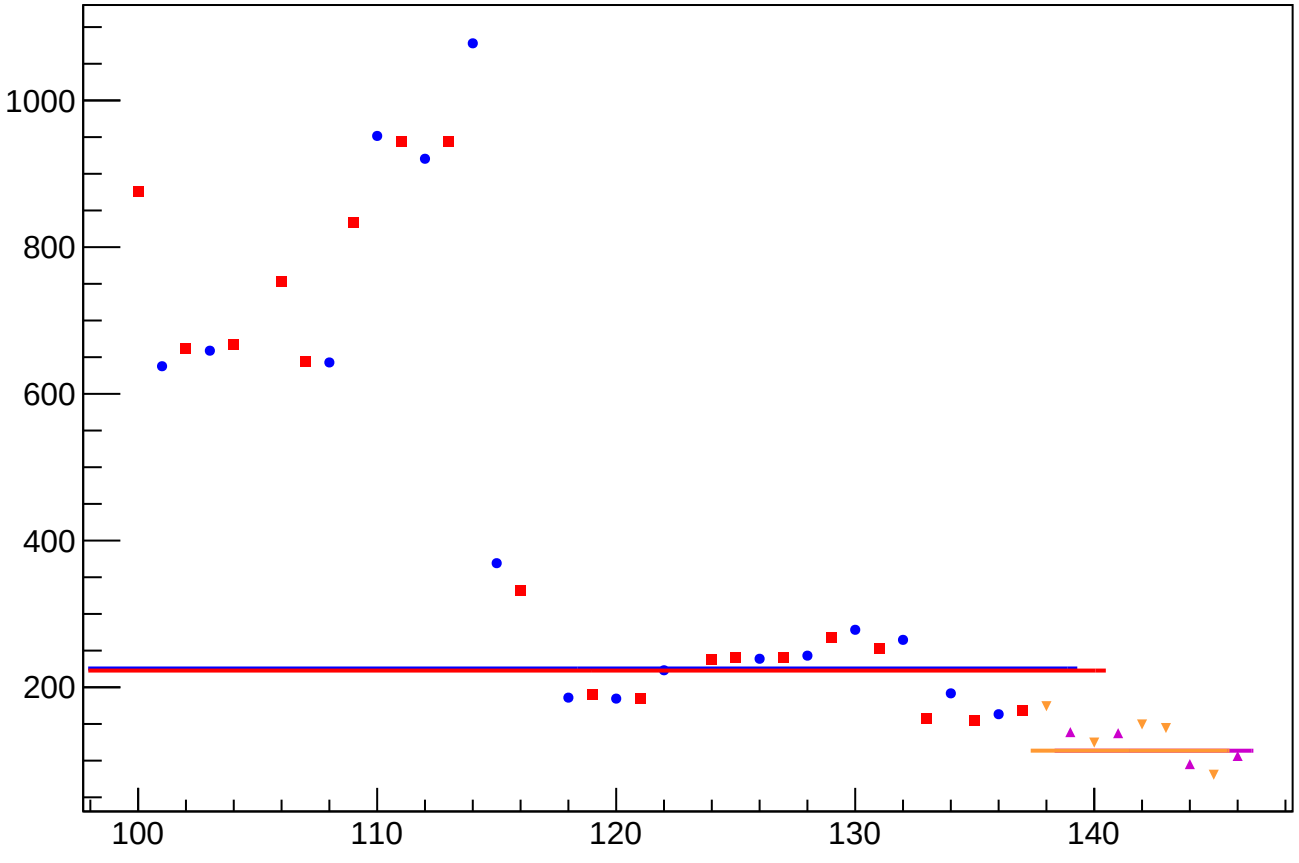
Left In: -123.194+/-62.963 χ^2/NDF:1.2/3

+ sign -32.516+/-51.735 χ^2/NDF: 17.0/20

All: -77.406+/-36.824 χ^2/NDF: 36.0/43

- sign -123.503+/-52.426 χ^2/NDF: 17.5/22

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 113.604+/-0.044 χ^2/NDF:591526.6/4

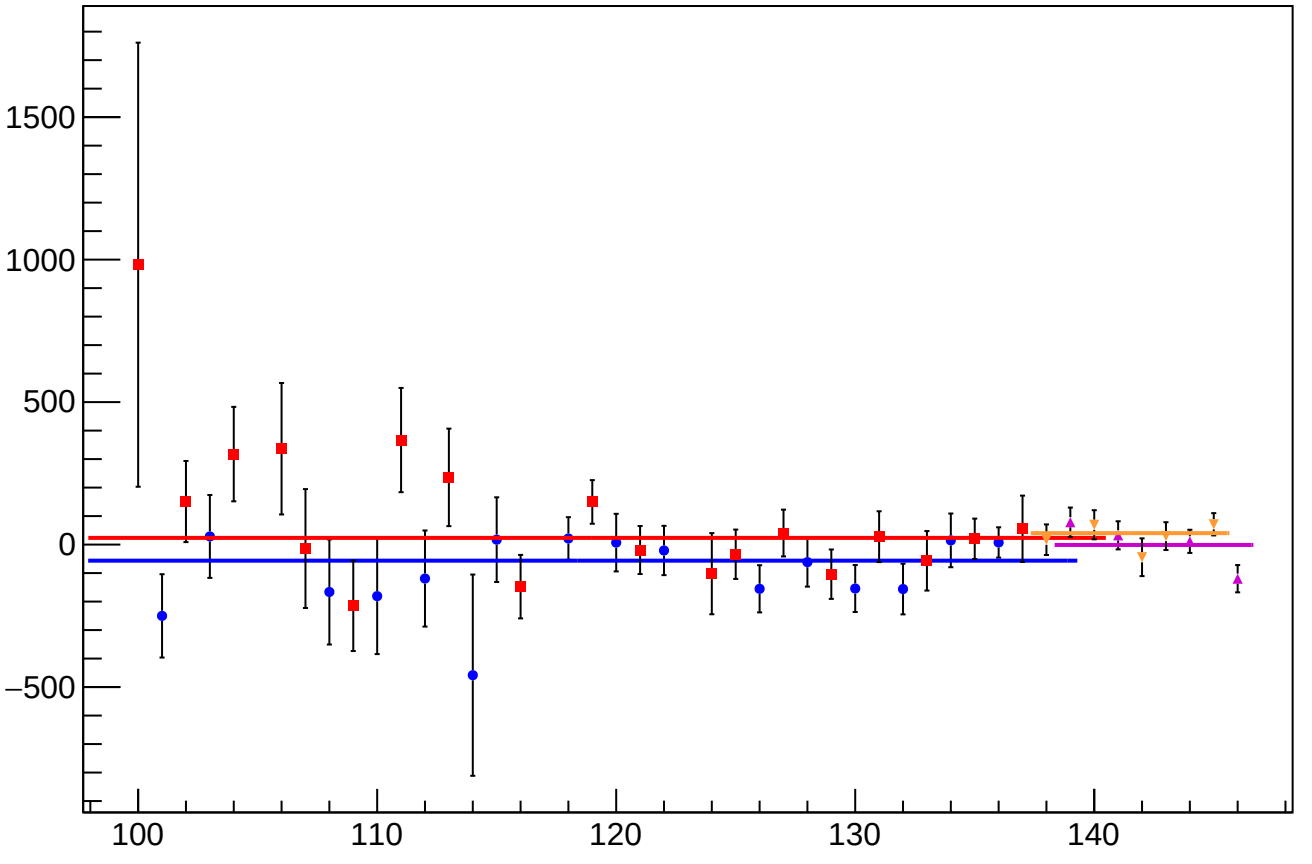
Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 113.534+/-0.045 χ^2/NDF:175507.7/3

+ sign 147.180+/-0.037 χ^2/NDF: 5585419.8/20

All: 147.112+/-0.026 χ^2/NDF: 11455920.8/43

- sign 147.042+/-0.037 χ^2/NDF: 5870493.9/22



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 40.138+/-22.177 χ^2/NDF:2.8/4

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

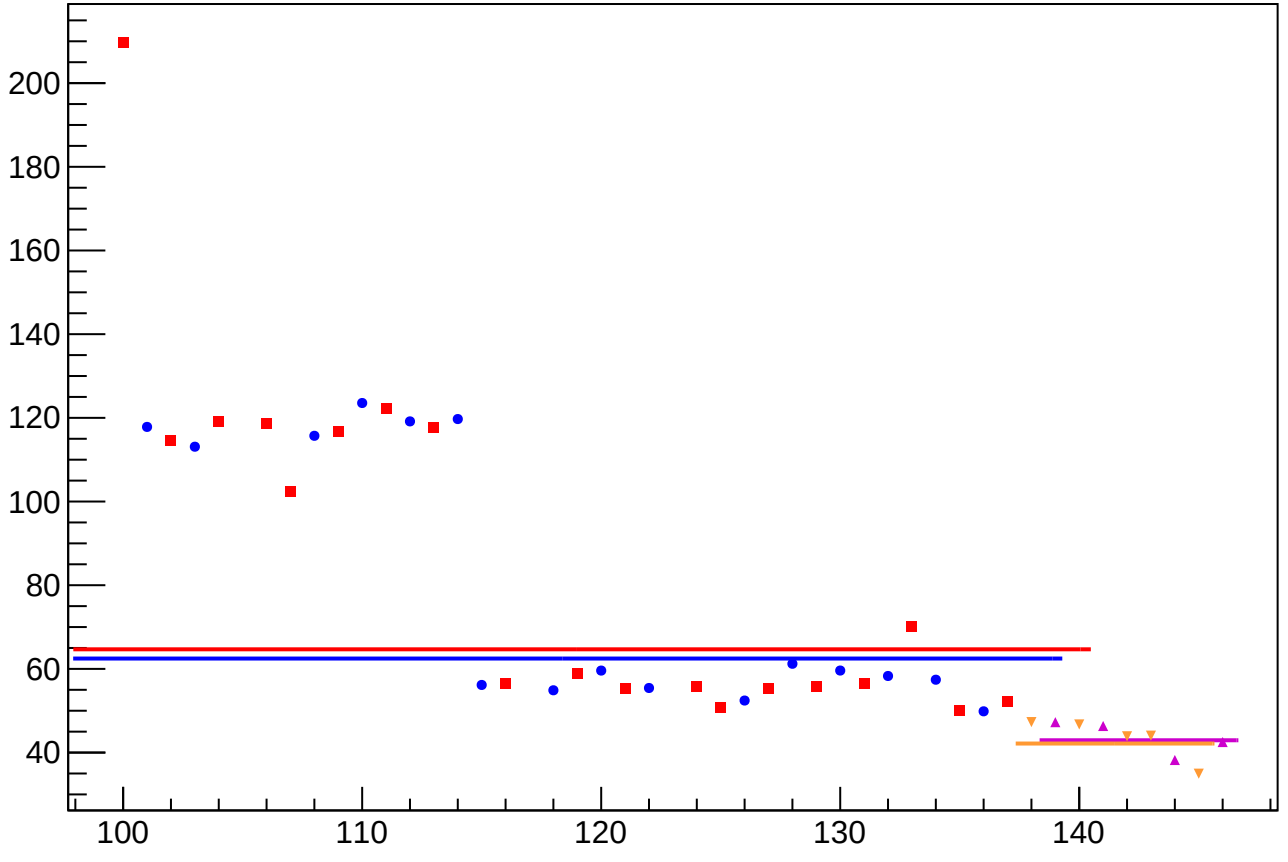
Left In: -1.308+/-23.367 χ^2/NDF:9.1/3

+ sign -3.367+/-16.438 χ^2/NDF: 23.6/20

All: 3.130+/-11.858 χ^2/NDF: 57.6/43

- sign 10.180+/-17.122 χ^2/NDF: 33.7/22

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.160+/-0.016 χ^2/NDF:106546.1/4

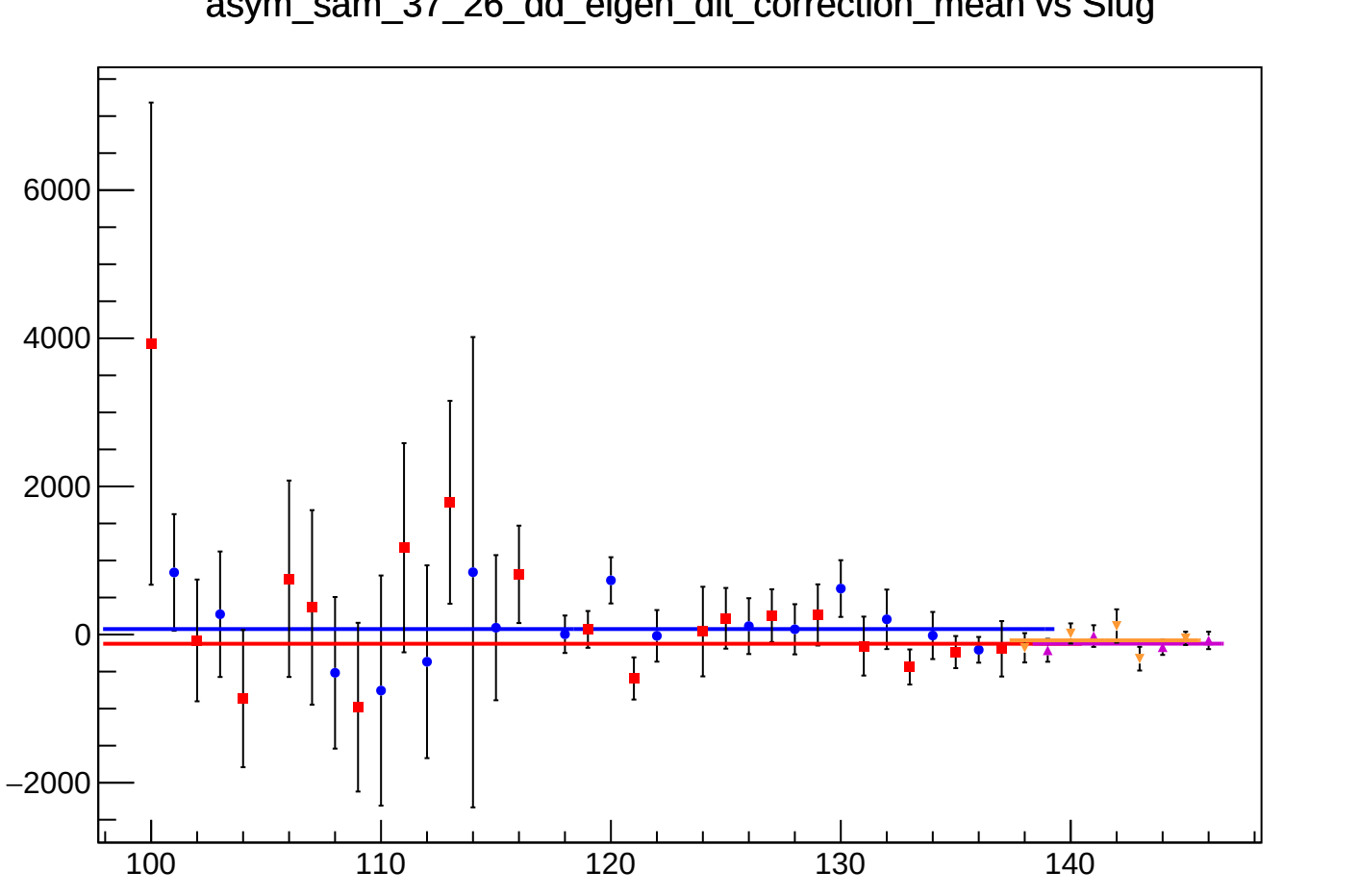
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.941+/-0.017 χ^2/NDF:50798.7/3

+ sign 51.313+/-0.012 χ^2/NDF: 2210867.8/20

All: 52.126+/-0.008 χ^2/NDF: 4663908.1/43

- sign 53.008+/-0.012 χ^2/NDF: 2442835.1/22



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -78.239+/-61.825 χ^2/NDF:4.0/4

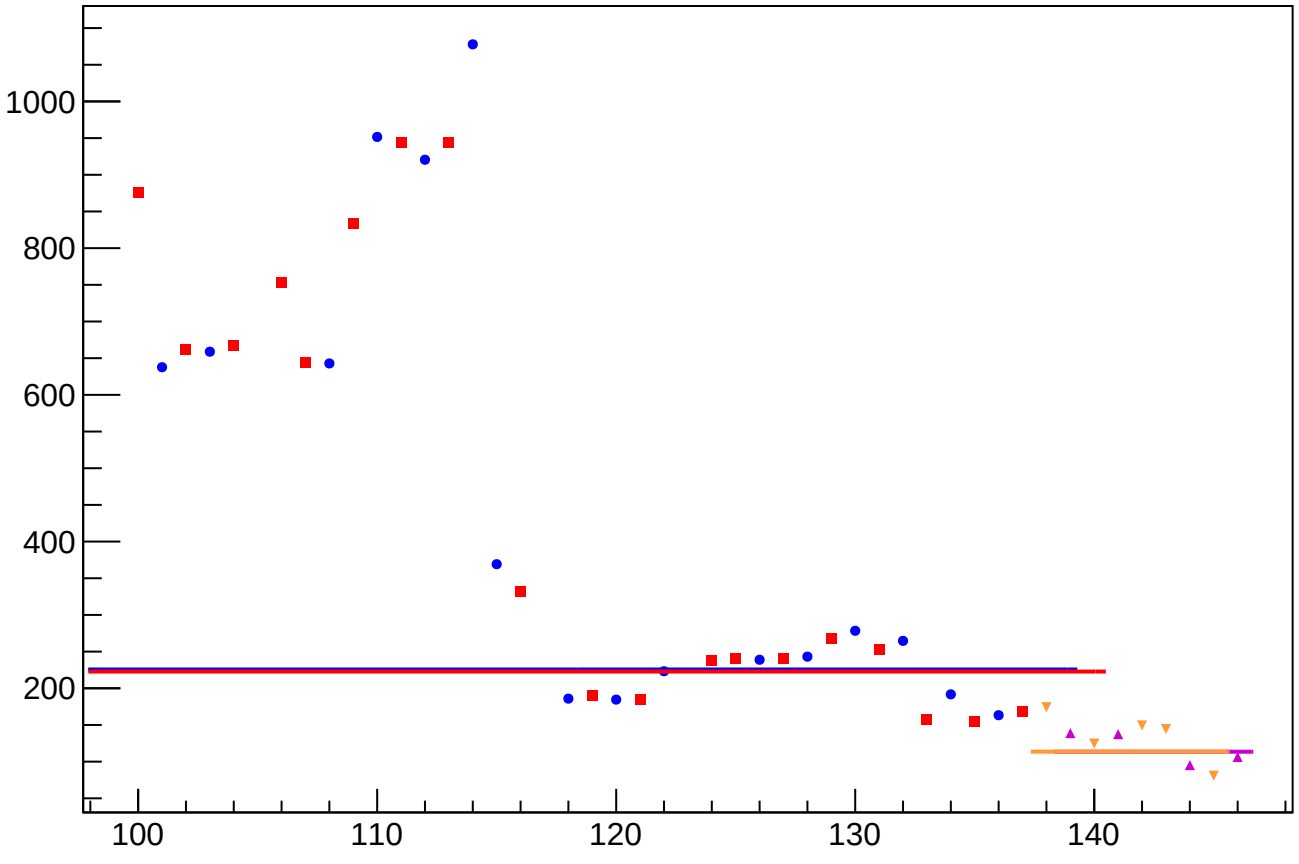
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -123.194+/-62.963 χ^2/NDF:1.2/3

+ sign -32.515+/-51.735 χ^2/NDF: 17.0/20

All: -77.405+/-36.824 χ^2/NDF: 36.0/43

- sign -123.503+/-52.426 χ^2/NDF: 17.5/22



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 113.604+/-0.044 χ^2/NDF:591534.1/4

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

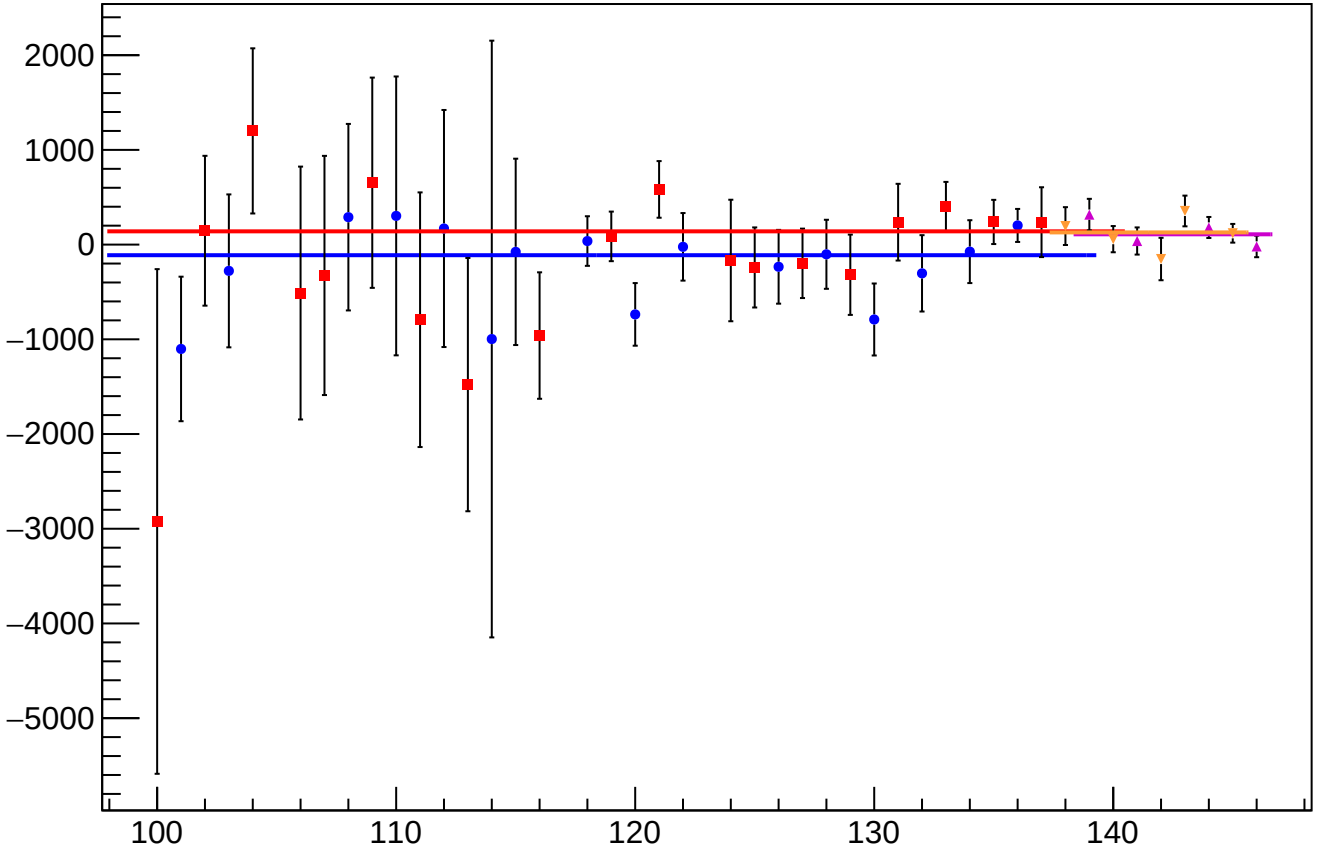
Left In: 113.535+/-0.045 χ^2/NDF:175512.9/3

+ sign 147.181+/-0.037 χ^2/NDF: 5585395.0/20

All: 147.112+/-0.026 χ^2/NDF: 11455886.9/43

- sign 147.042+/-0.037 χ^2/NDF: 5870484.8/22

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 128.834+/-64.833 χ^2/NDF:3.9/4

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

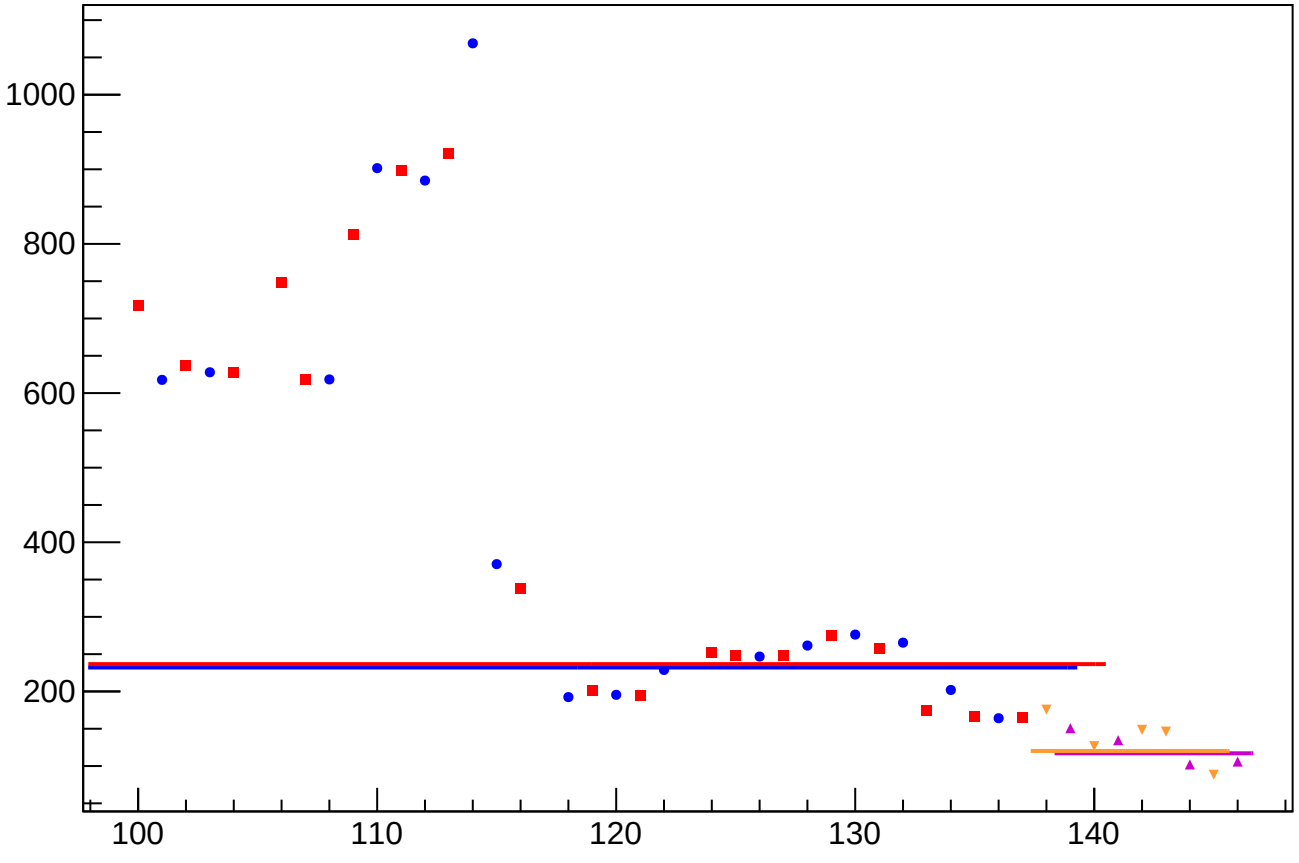
Left In: 108.669+/-64.135 χ^2/NDF:3.5/3

+ sign 54.015+/-53.824 χ^2/NDF: 21.0/20

All: 85.940+/-38.070 χ^2/NDF: 39.9/43

- sign 117.901+/-53.855 χ^2/NDF: 18.2/22

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 120.219+/-0.046 χ^2/NDF:449699.7/4

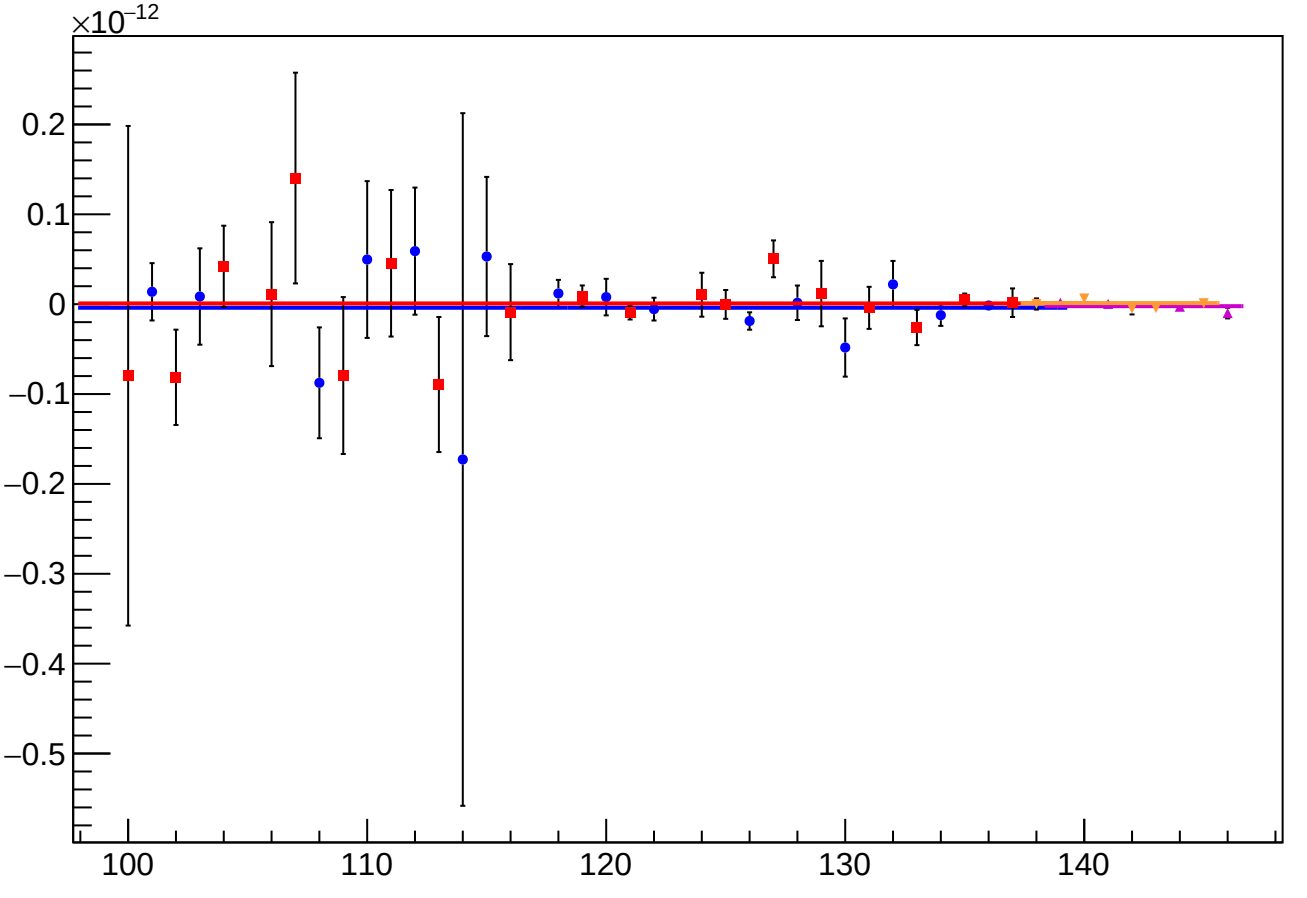
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 117.088+/-0.045 χ^2/NDF:167197.9/3

+ sign 154.991+/-0.038 χ^2/NDF: 5186381.7/20

All: 153.668+/-0.027 χ^2/NDF: 10926562.3/43

- sign 152.344+/-0.038 χ^2/NDF: 5737764.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/4

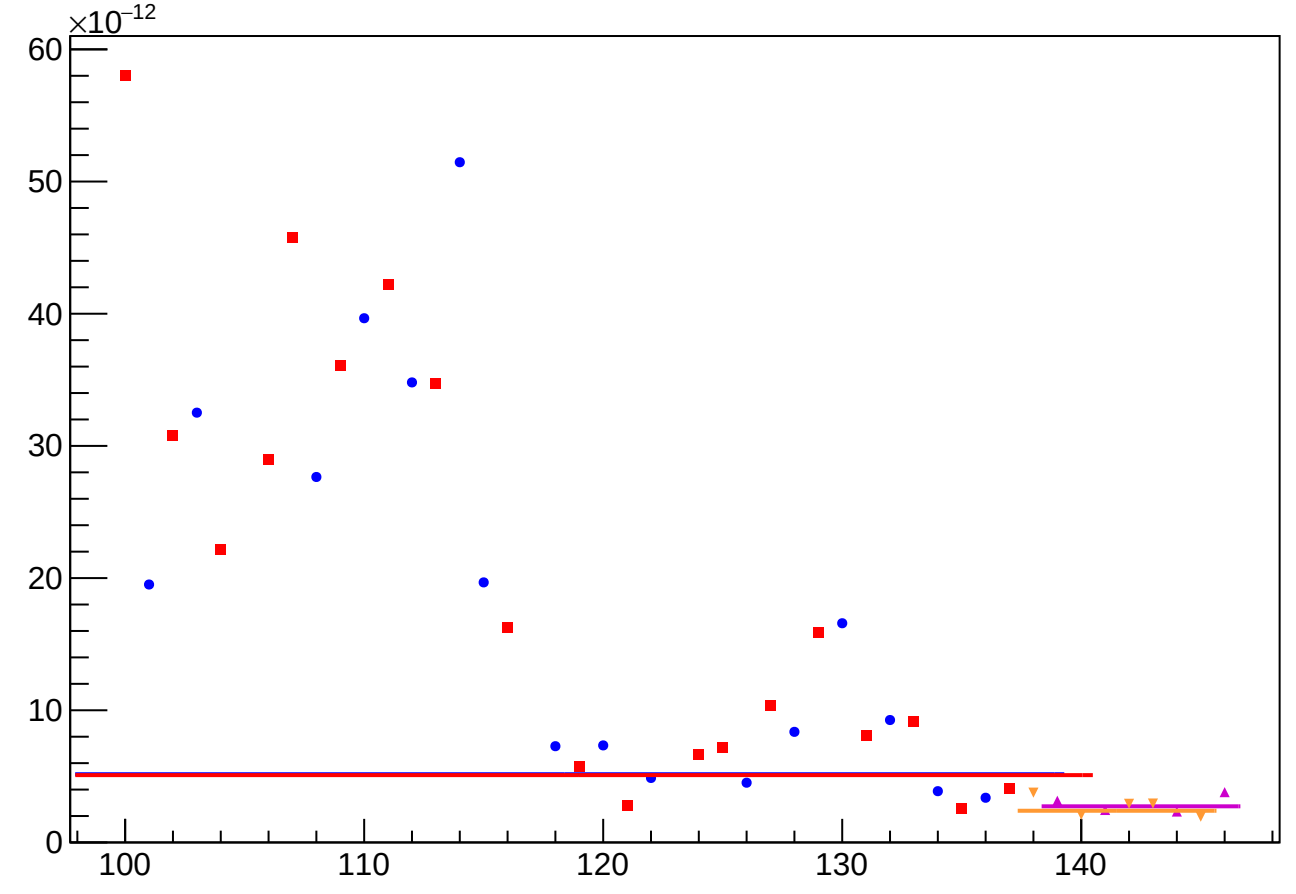
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/3

+ sign 0.000+/-0.000 χ^2/NDF: 17.1/20

All: -0.000+/-0.000 χ^2/NDF: 38.6/43

- sign -0.000+/-0.000 χ^2/NDF: 21.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:188600.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

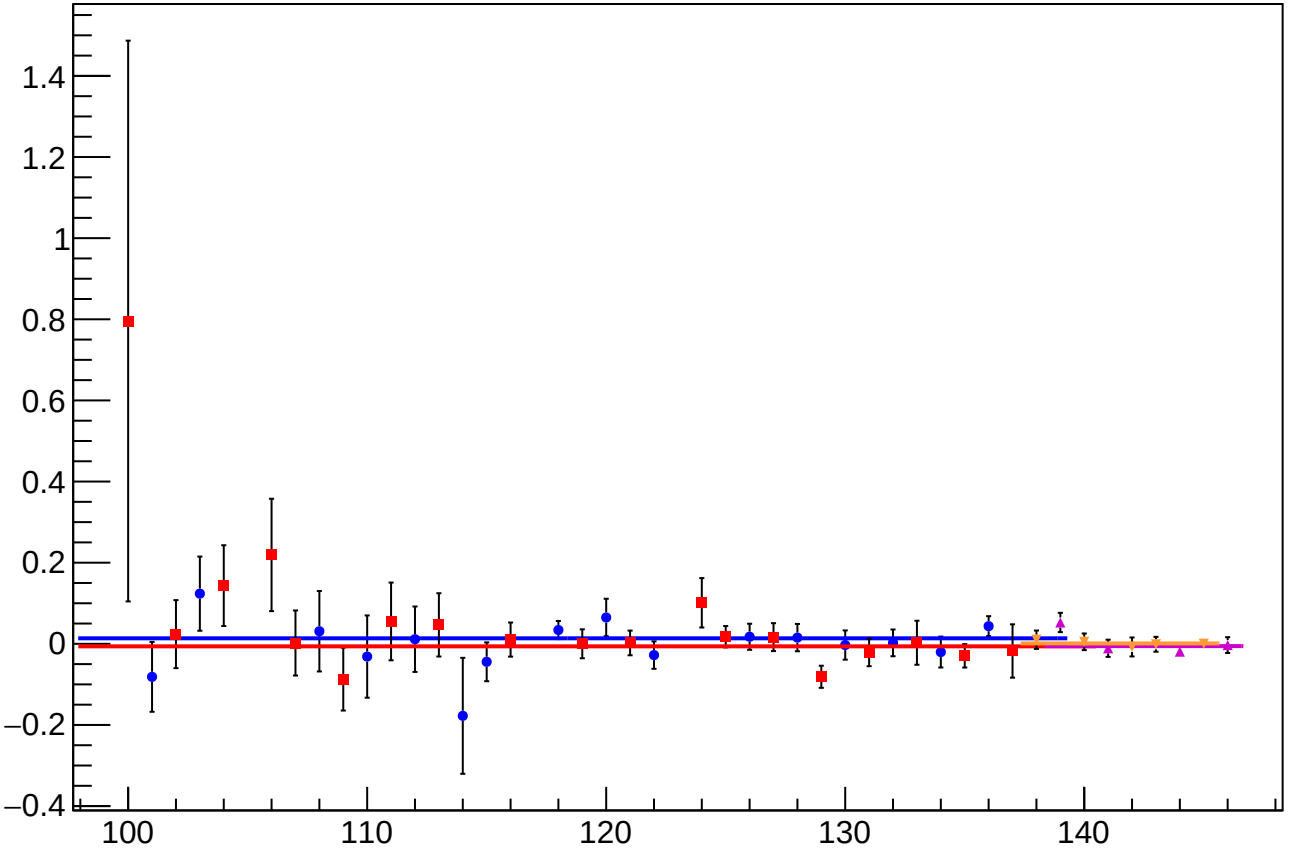
Left In: 0.000+/-0.000 χ^2/NDF:113464.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 3695193.6/20

All: 0.000+/-0.000 χ^2/NDF: 7613451.0/43

- sign 0.000+/-0.000 χ^2/NDF: 3890510.5/22

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: 0.001+/-0.008 χ^2/NDF:0.4/4

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

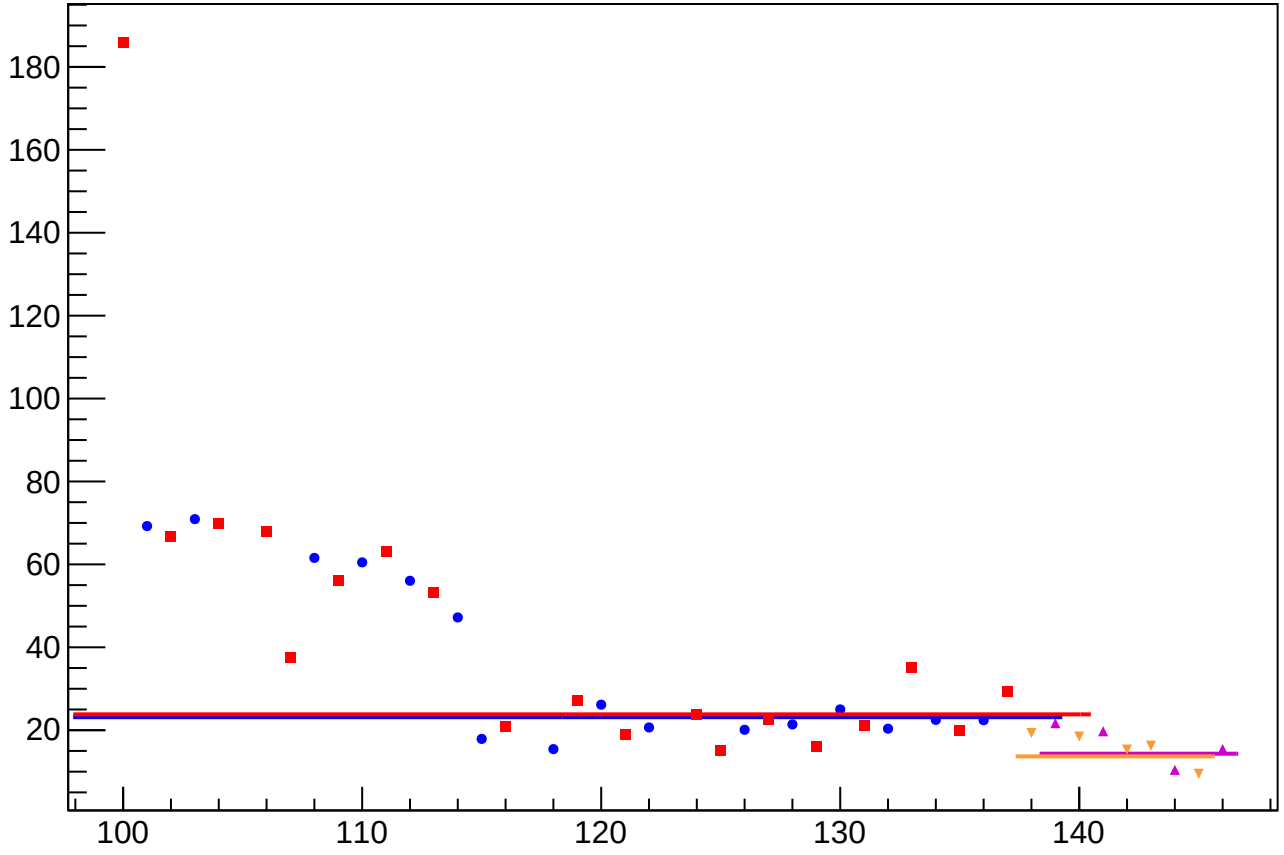
Left In: -0.006+/-0.009 χ^2/NDF:7.4/3

+ sign 0.006+/-0.006 χ^2/NDF: 13.7/20

All: 0.000+/-0.004 χ^2/NDF: 44.3/43

- sign -0.006+/-0.006 χ^2/NDF: 28.9/22

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: 13.695+/-0.005 χ^2/NDF:556930.5/4

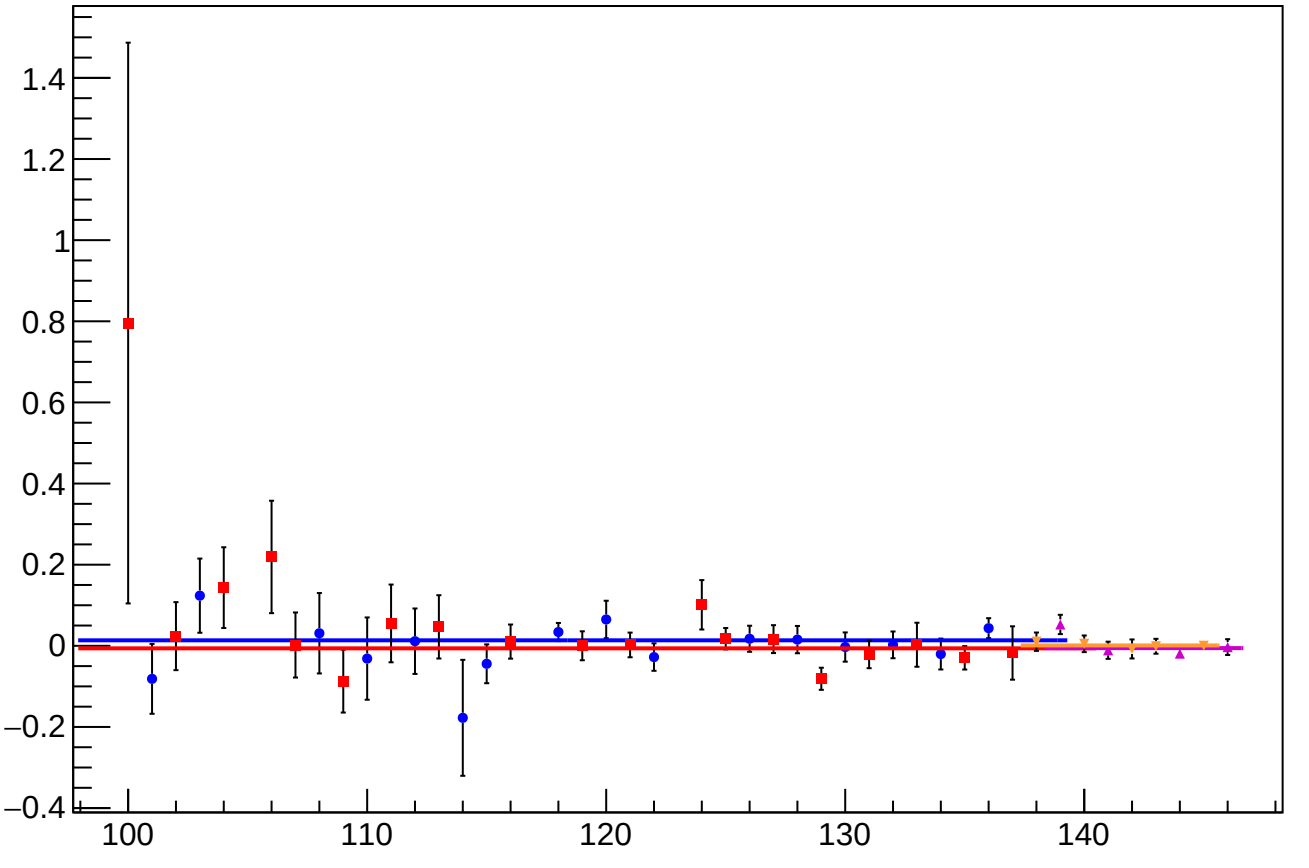
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.335+/-0.006 χ^2/NDF:547791.3/3

\+ sign 17.270+/-0.004 χ^2/NDF: 4108517.1/20

All: 17.743+/-0.003 χ^2/NDF: 8618369.3/43

\- sign 18.287+/-0.005 χ^2/NDF: 4483625.4/22



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.008 χ^2/NDF:0.4/4

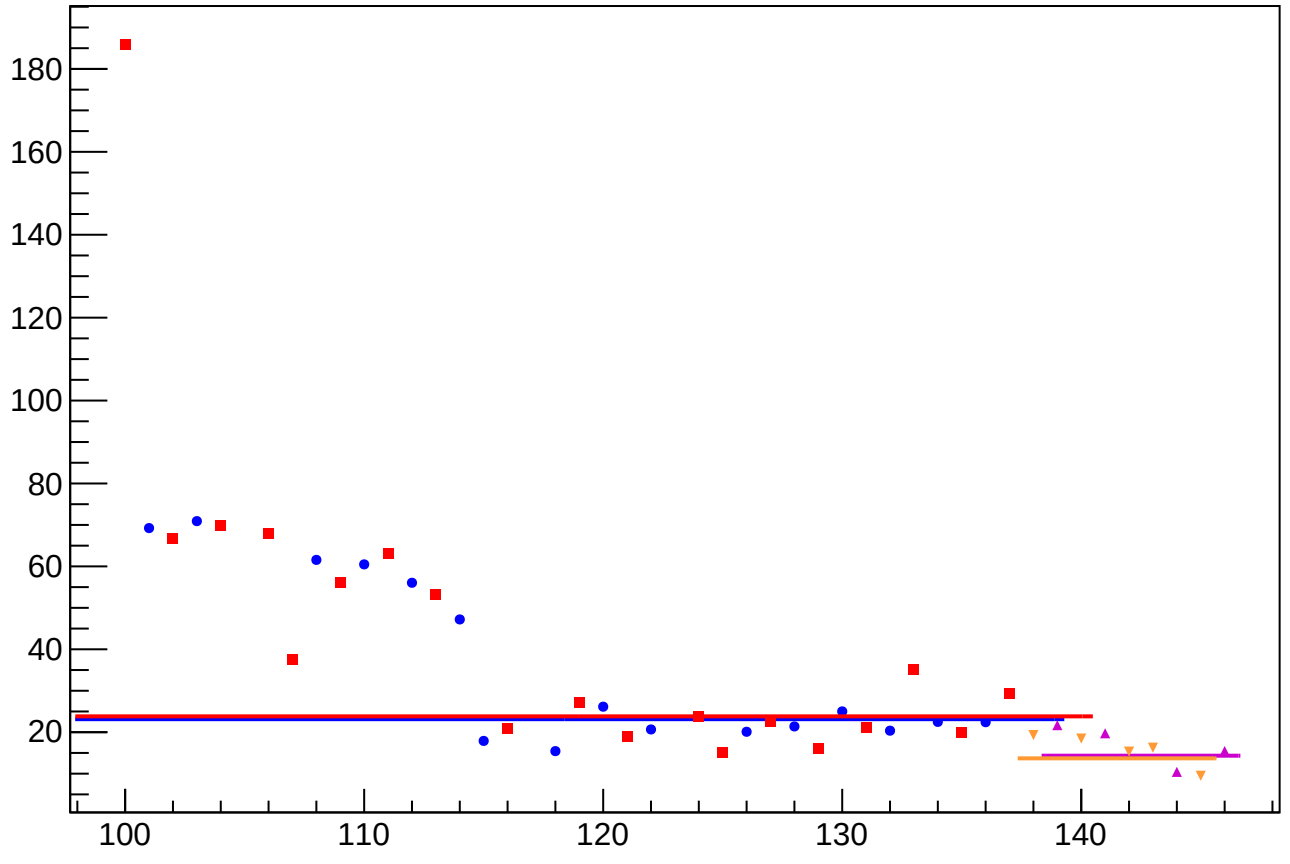
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.006+/-0.009 χ^2/NDF:7.4/3

+ sign 0.006+/-0.006 χ^2/NDF: 13.7/20

All: 0.000+/-0.004 χ^2/NDF: 44.3/43

- sign -0.006+/-0.006 χ^2/NDF: 28.9/22



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 13.695+/-0.005 χ^2/NDF:556930.5/4

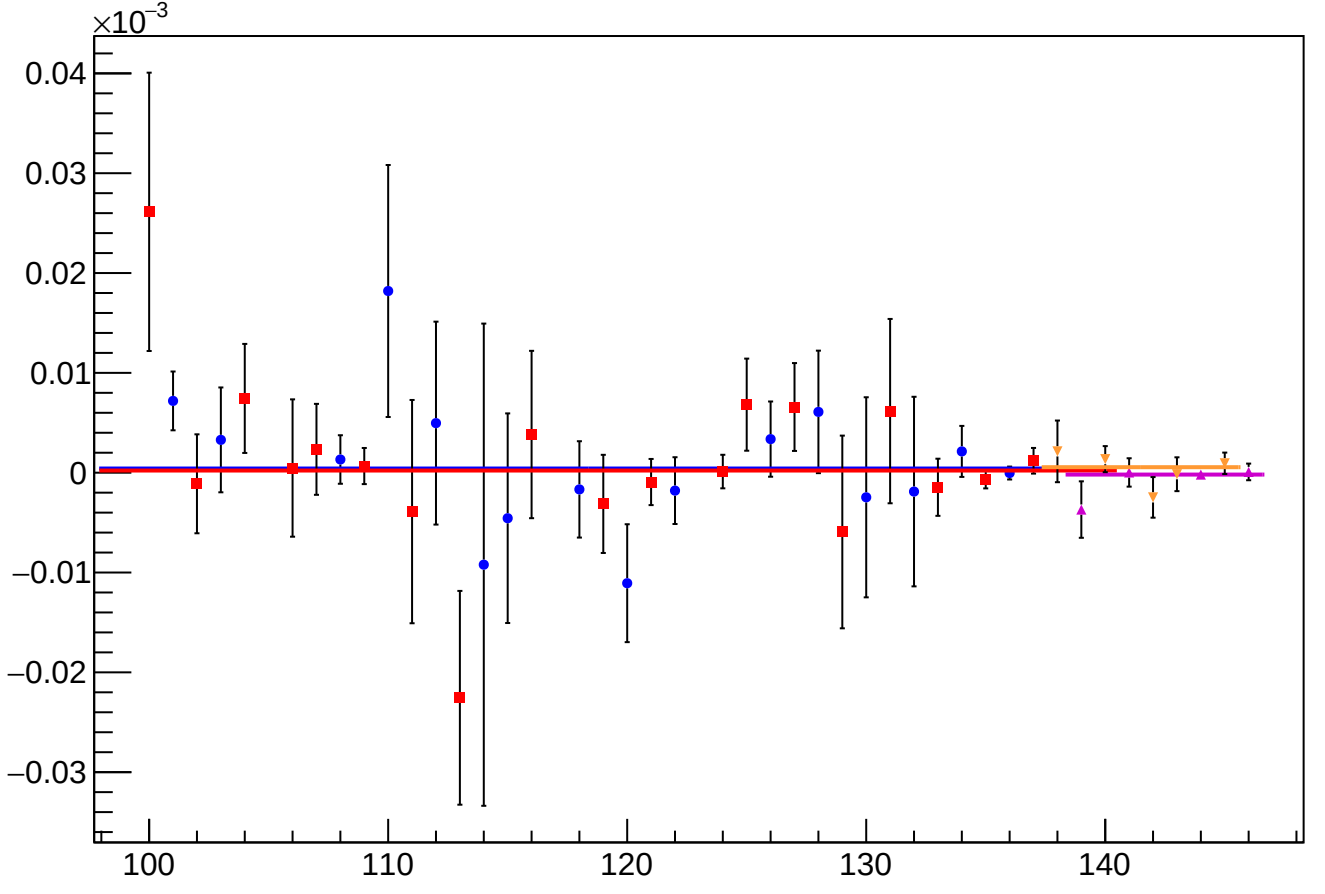
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.335+/-0.006 χ^2/NDF:547791.3/3

+ sign 17.270+/-0.004 χ^2/NDF: 4108517.1/20

All: 17.743+/-0.003 χ^2/NDF: 8618369.3/43

- sign 18.287+/-0.005 χ^2/NDF: 4483625.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/4

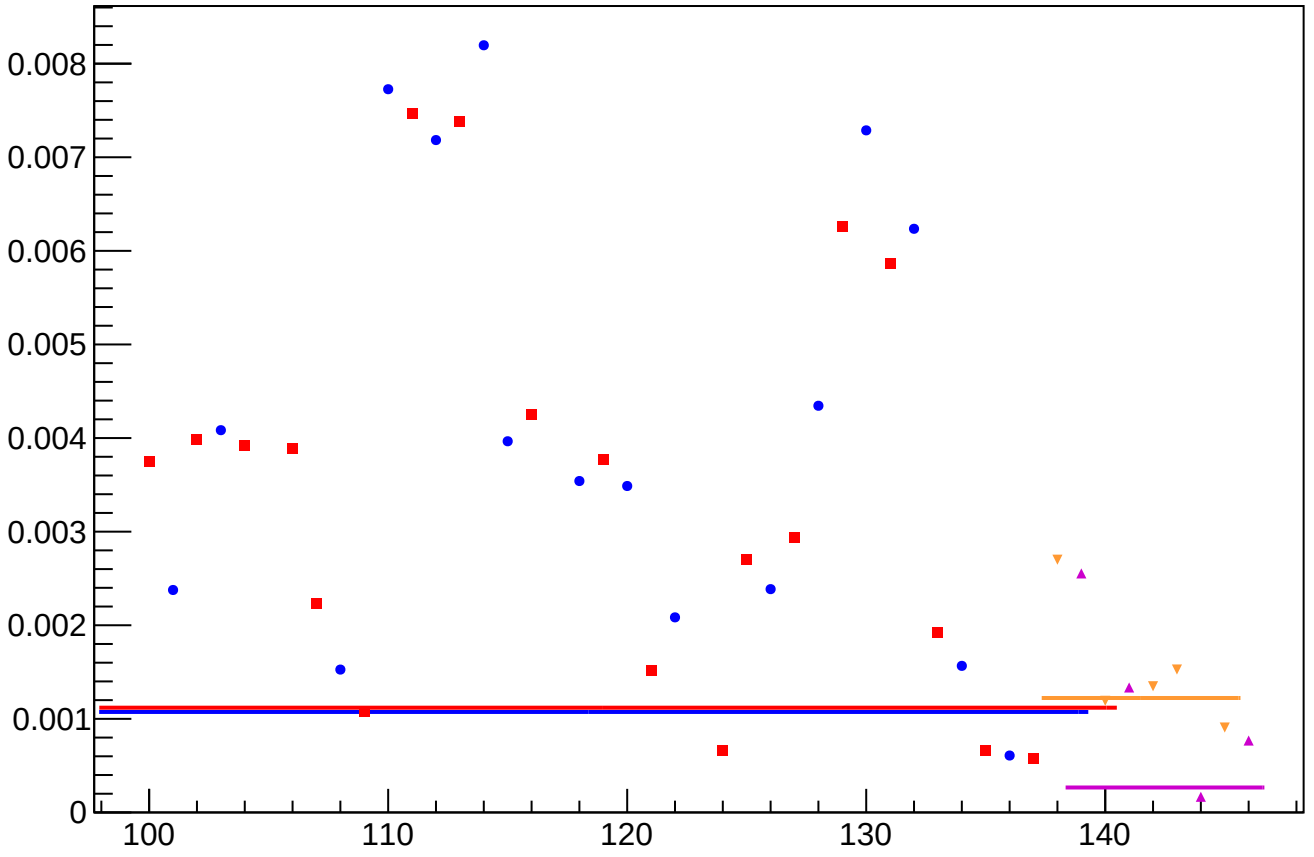
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/20

All: -0.000+/-0.000 χ^2/NDF: 39.9/43

- sign -0.000+/-0.000 χ^2/NDF: 20.0/22



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:703508.3/4

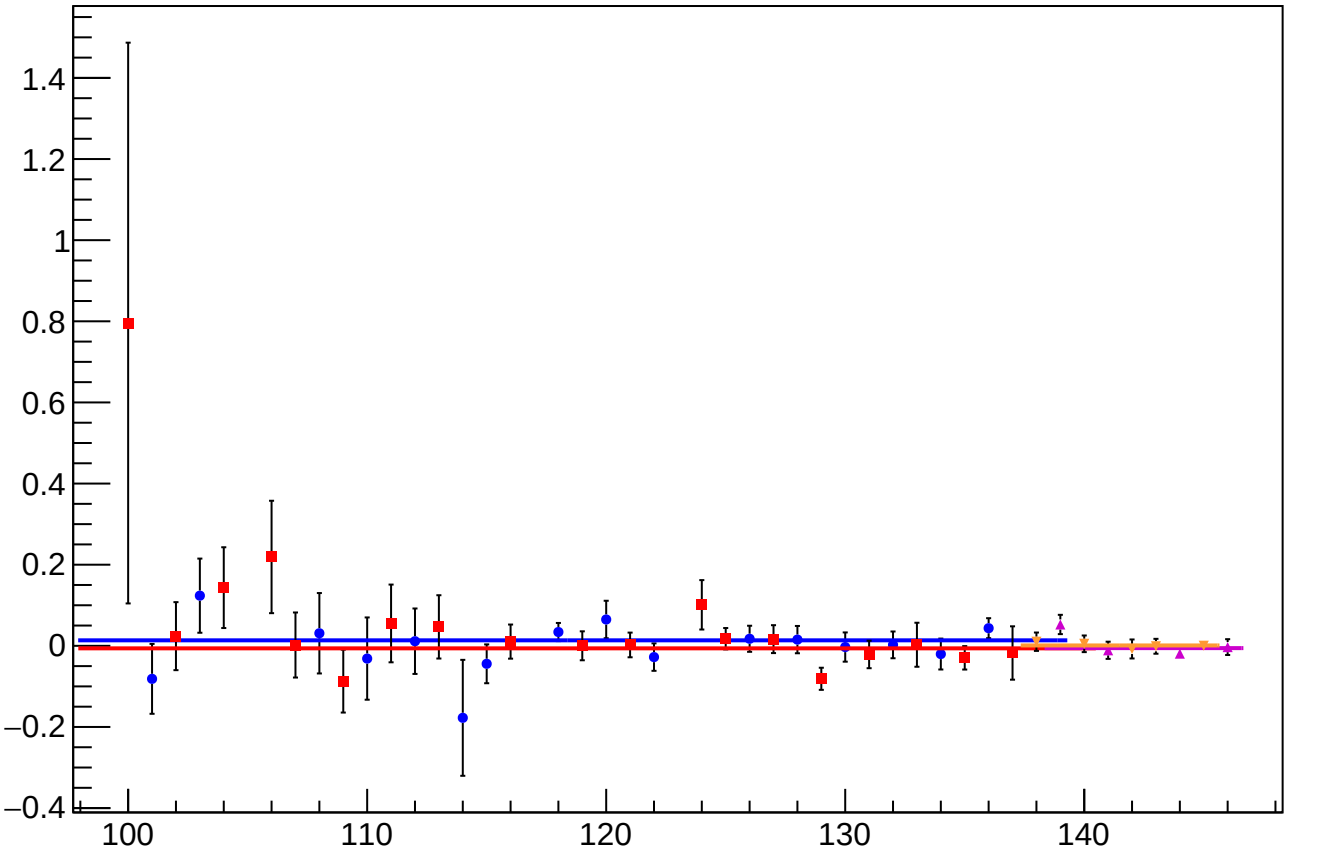
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3467659.7/3

+ sign 0.001+/-0.000 χ^2/NDF: 7805794.4/20

All: 0.001+/-0.000 χ^2/NDF: 26528976.6/43

- sign 0.000+/-0.000 χ^2/NDF: 14091285.7/22



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.008 χ^2/NDF:0.4/4

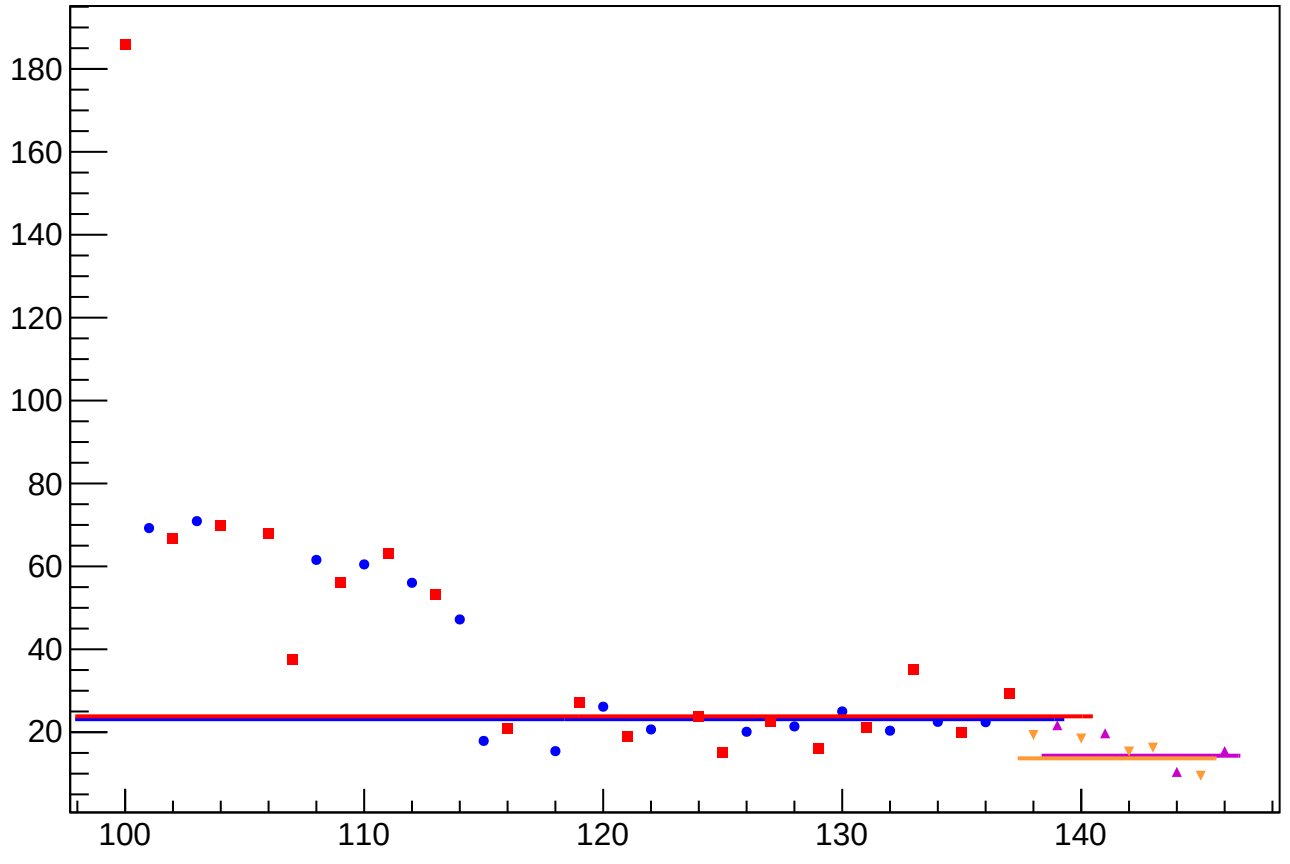
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.006+/-0.009 χ^2/NDF:7.4/3

+ sign 0.006+/-0.006 χ^2/NDF: 13.7/20

All: 0.000+/-0.004 χ^2/NDF: 44.3/43

- sign -0.006+/-0.006 χ^2/NDF: 28.9/22



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 13.696+/-0.005 χ^2/NDF:557018.0/4

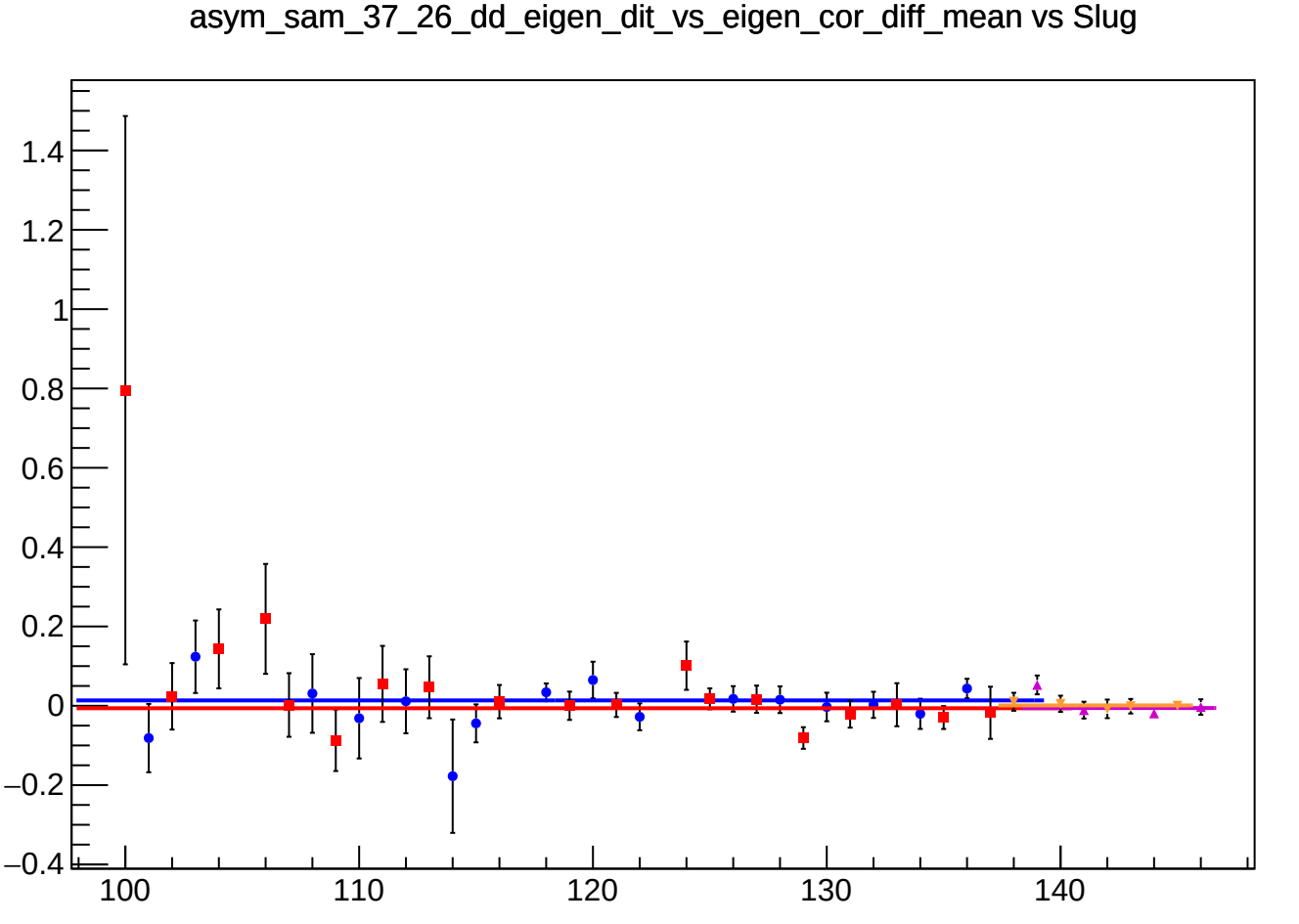
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

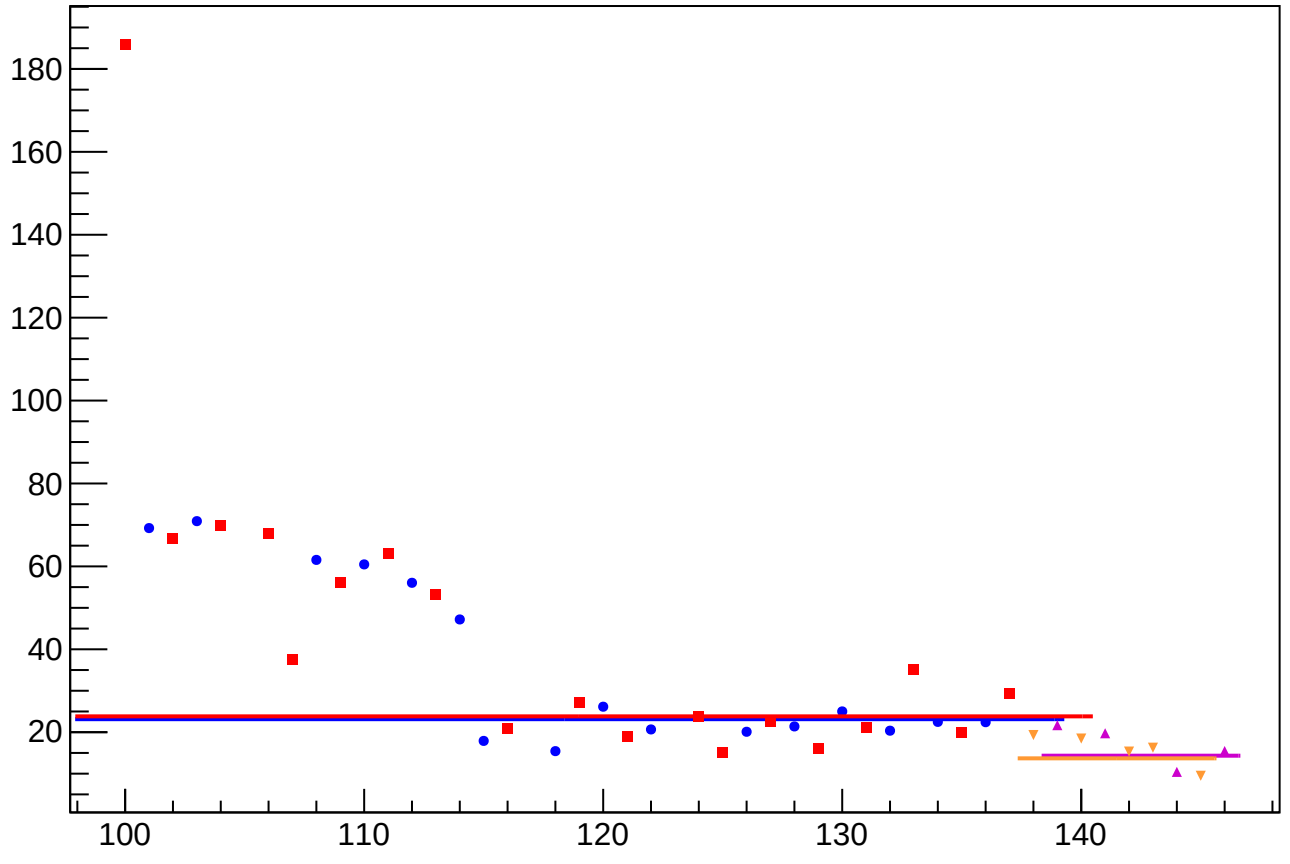
Left In: 14.335+/-0.006 χ^2/NDF:547769.8/3

+ sign 17.270+/-0.004 χ^2/NDF: 4108368.0/20

All: 17.743+/-0.003 χ^2/NDF: 8618019.4/43

- sign 18.287+/-0.005 χ^2/NDF: 4483415.0/22


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: 0.001+/-0.008 χ²/NDF:0.4/4
Right Out: -0.006+/-0.010 χ²/NDF: 21.5/18
Left In: -0.006+/-0.009 χ²/NDF:7.4/3
+ sign 0.006+/-0.006 χ²/NDF: 13.7/20
All: 0.000+/-0.004 χ²/NDF: 44.3/43
- sign -0.006+/-0.006 χ²/NDF: 28.9/22



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 13.696+/-0.005 χ^2/NDF:557018.0/4

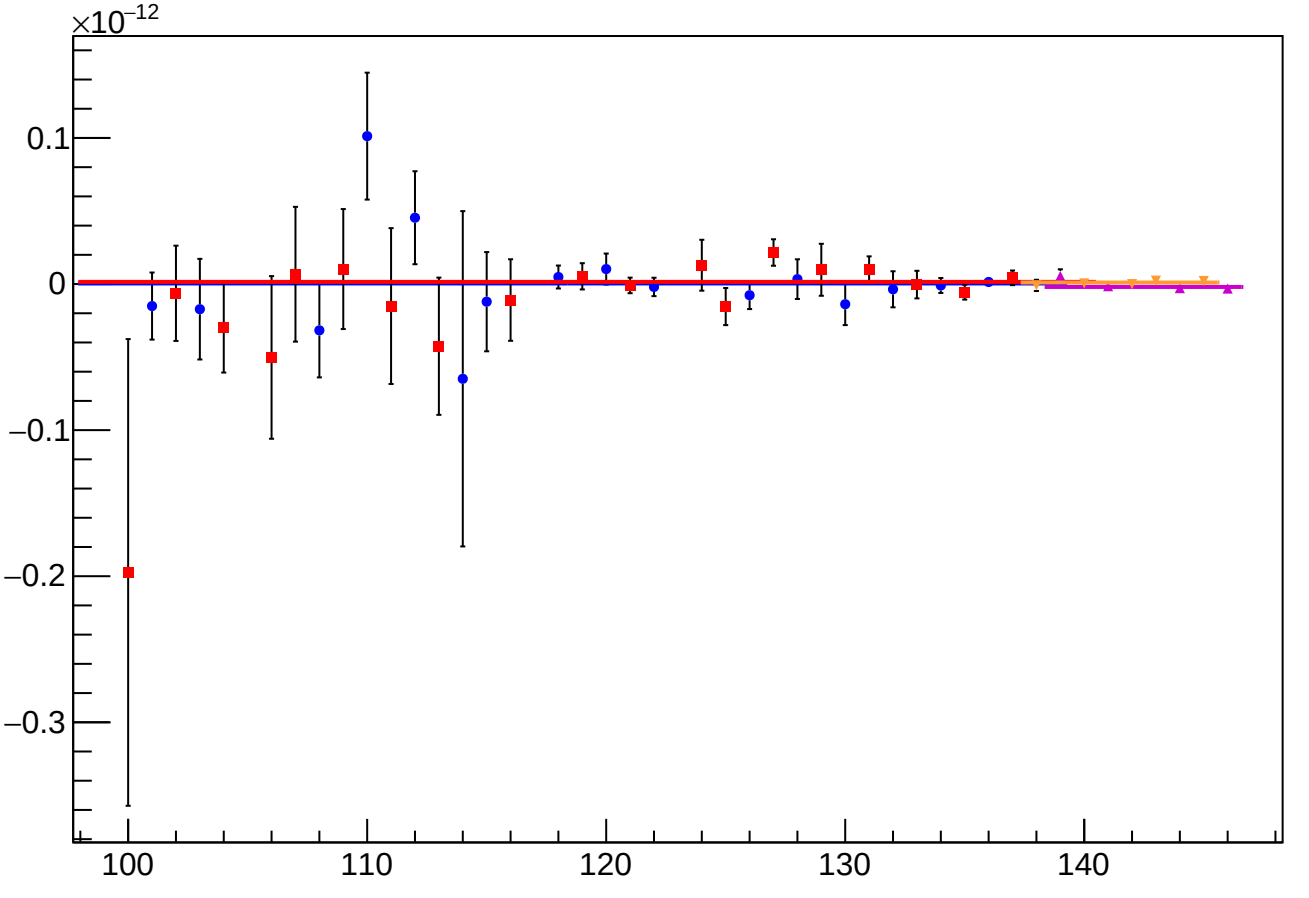
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.335+/-0.006 χ^2/NDF:547769.8/3

\+ sign 17.270+/-0.004 χ^2/NDF: 4108368.0/20

All: 17.743+/-0.003 χ^2/NDF: 8618019.4/43

\- sign 18.287+/-0.005 χ^2/NDF: 4483415.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/4

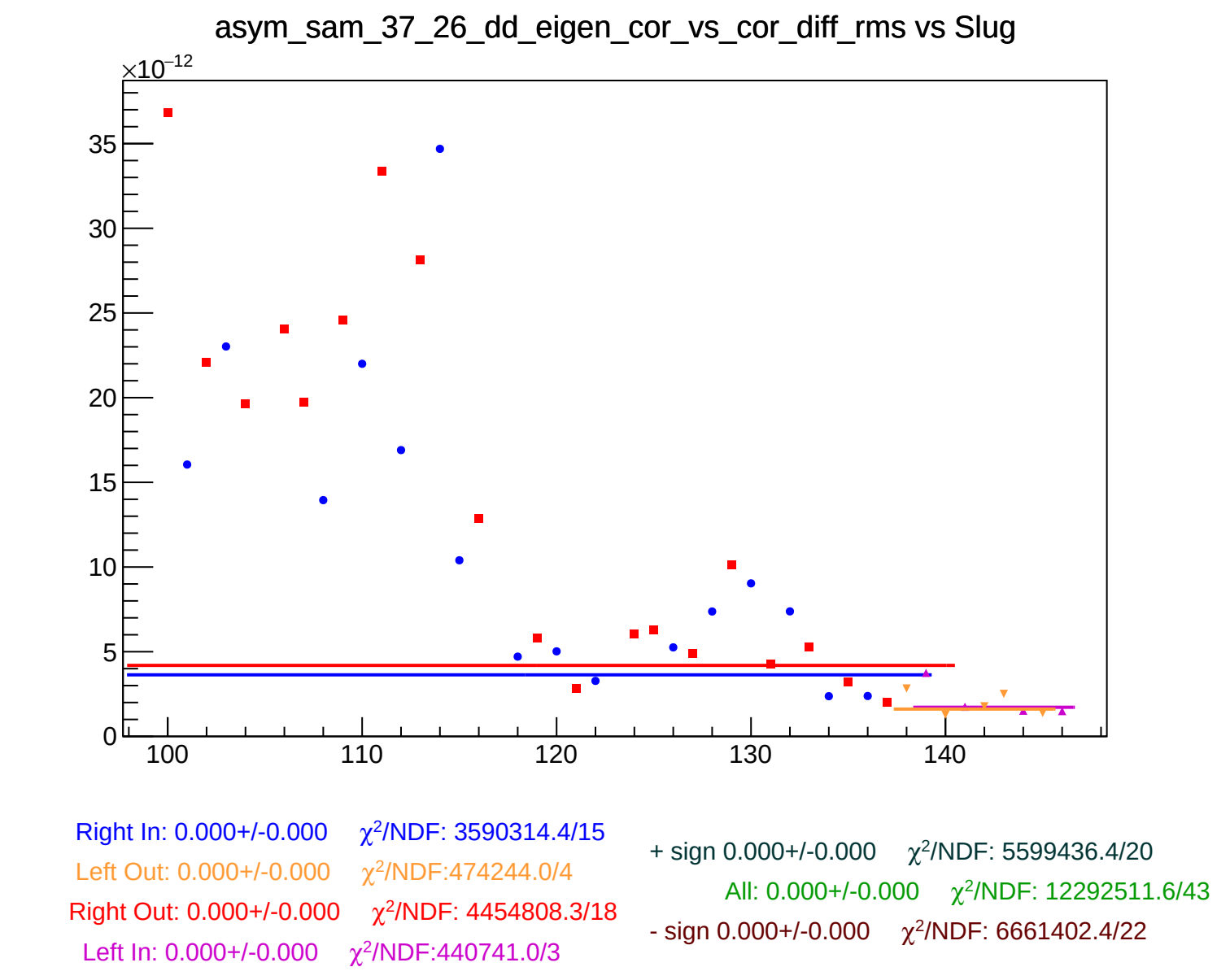
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/3

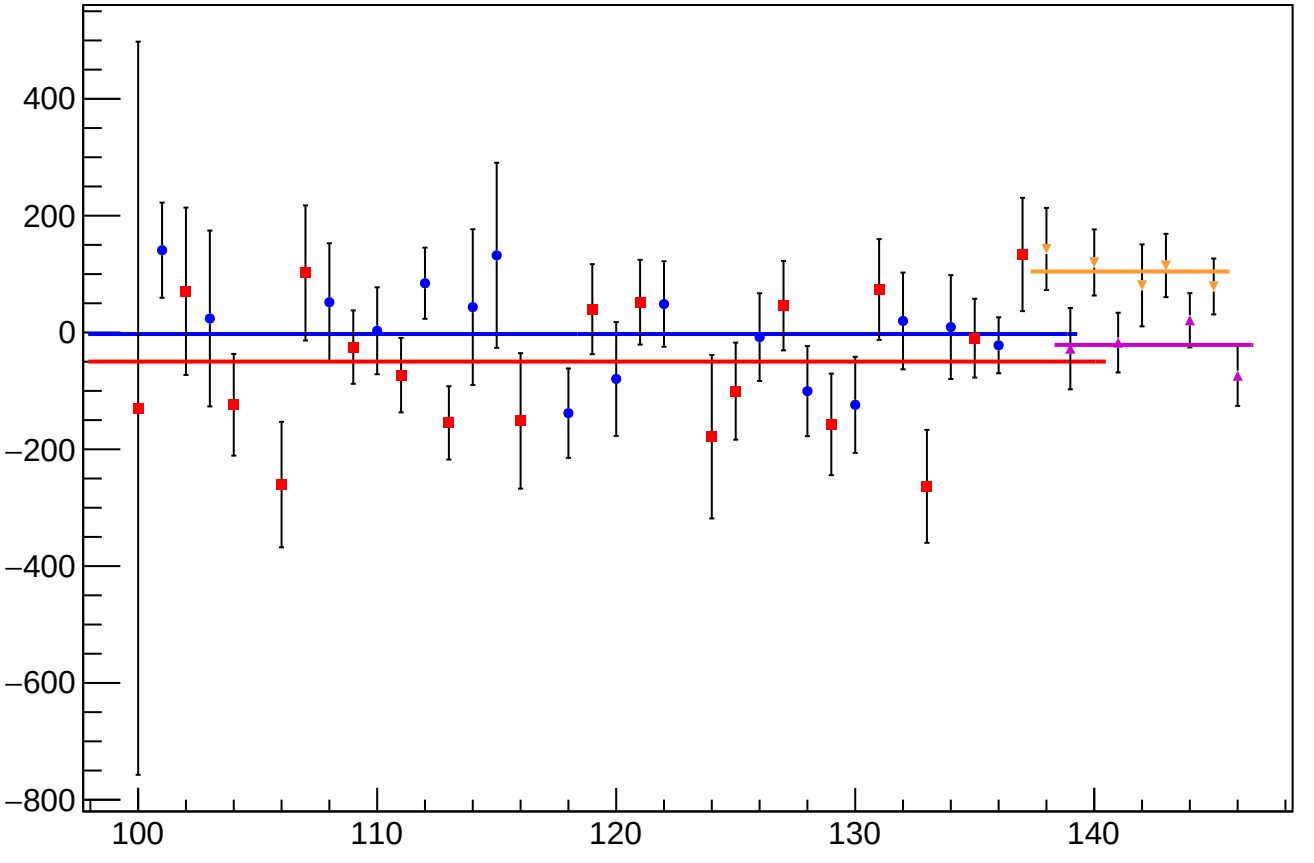
+ sign 0.000+/-0.000 χ^2/NDF: 14.0/20

All: -0.000+/-0.000 χ^2/NDF: 37.0/43

- sign -0.000+/-0.000 χ^2/NDF: 20.5/22


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:474244.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:440741.0/3
+ sign 0.000+/-0.000 χ²/NDF: 5599436.4/20
All: 0.000+/-0.000 χ²/NDF: 12292511.6/43
- sign 0.000+/-0.000 χ²/NDF: 6661402.4/22

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 104.477+/-25.860 χ^2/NDF:0.8/4

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

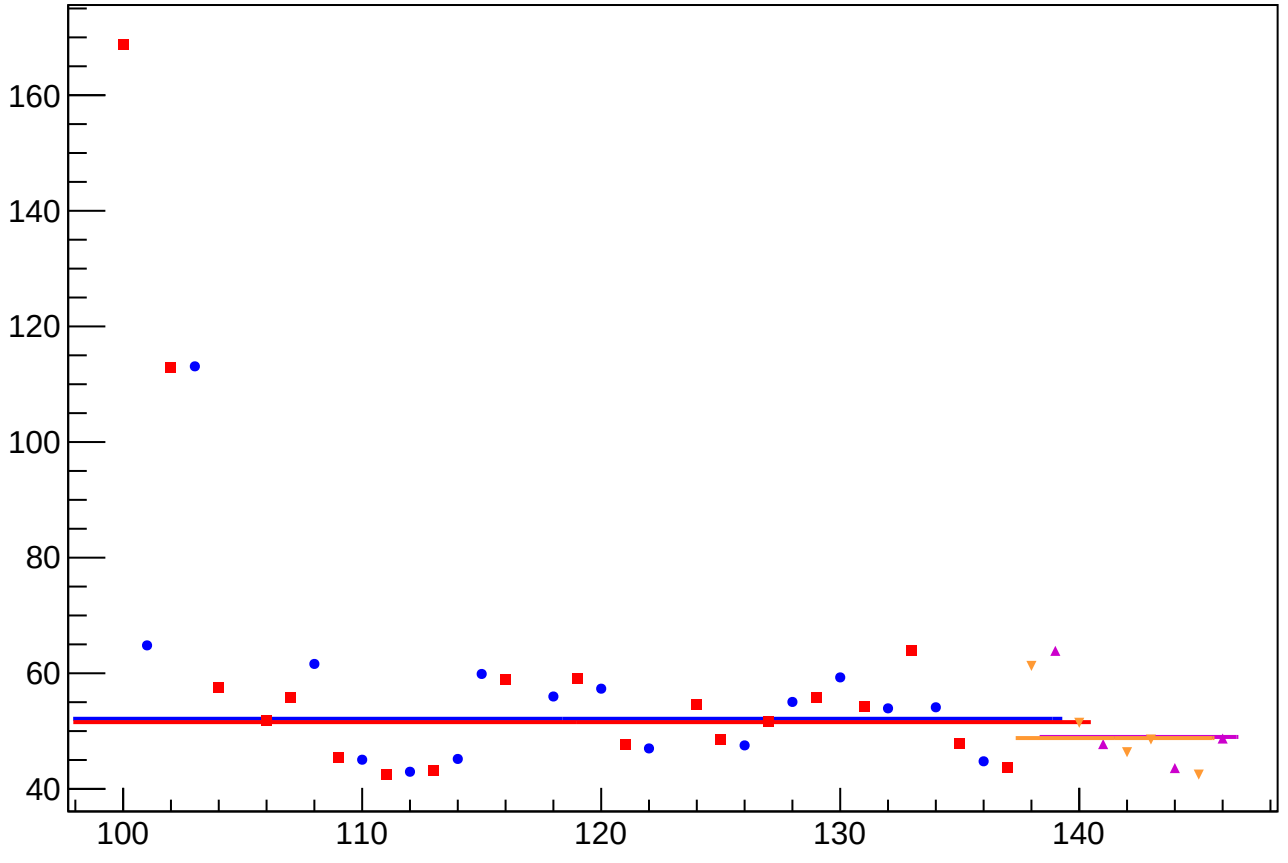
Left In: -21.238+/-26.479 χ^2/NDF:1.9/3

+ sign 37.452+/-15.818 χ^2/NDF: 26.1/20

All: -1.245+/-11.166 χ^2/NDF: 70.0/43

- sign -39.682+/-15.765 χ^2/NDF: 32.0/22

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.792+/-0.018 χ^2/NDF:104690.4/4

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

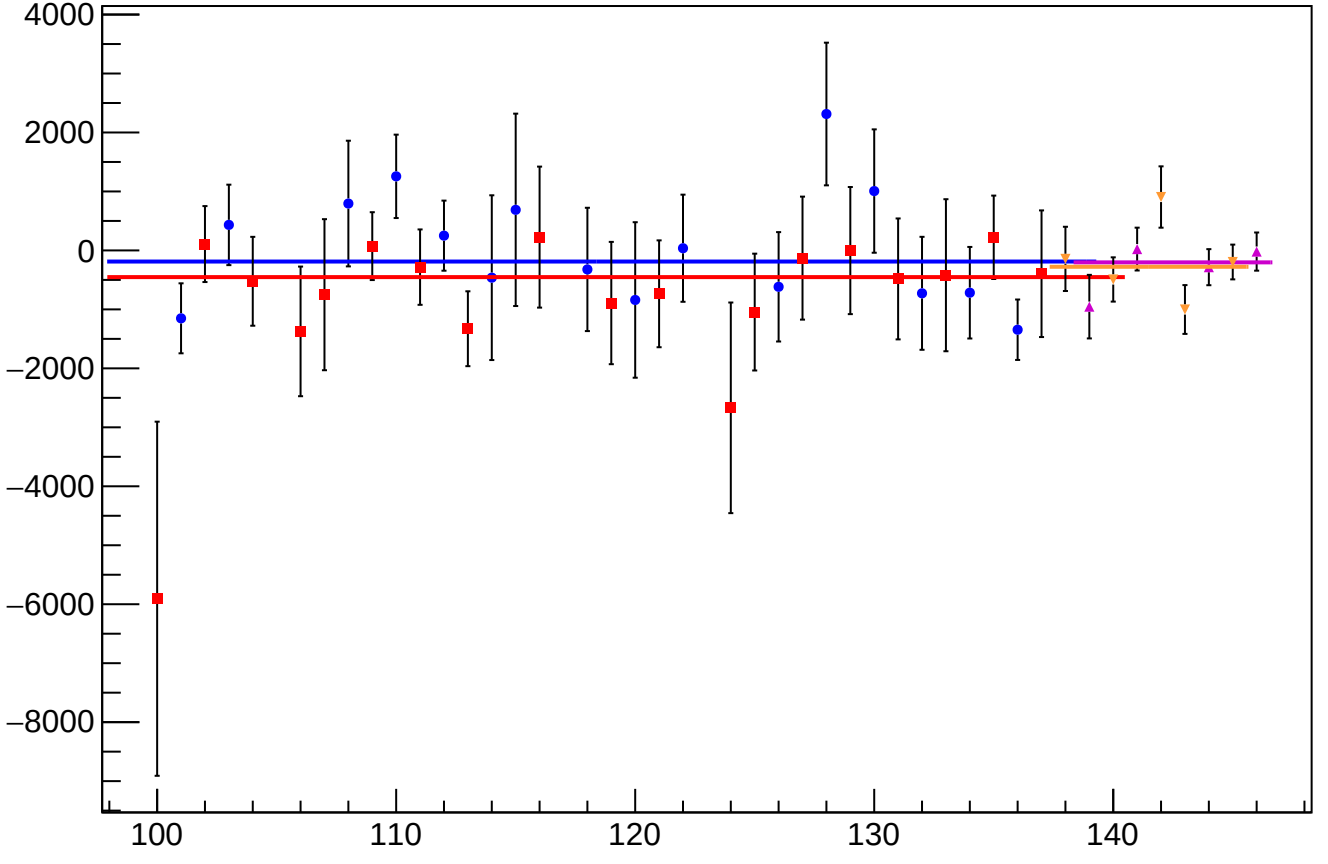
Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

+ sign 50.880+/-0.011 χ^2/NDF: 688442.2/20

All: 50.760+/-0.008 χ^2/NDF: 1459864.4/43

- sign 50.641+/-0.011 χ^2/NDF: 771193.2/22

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -277.463+/-178.144 χ^2/NDF:8.7/4

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

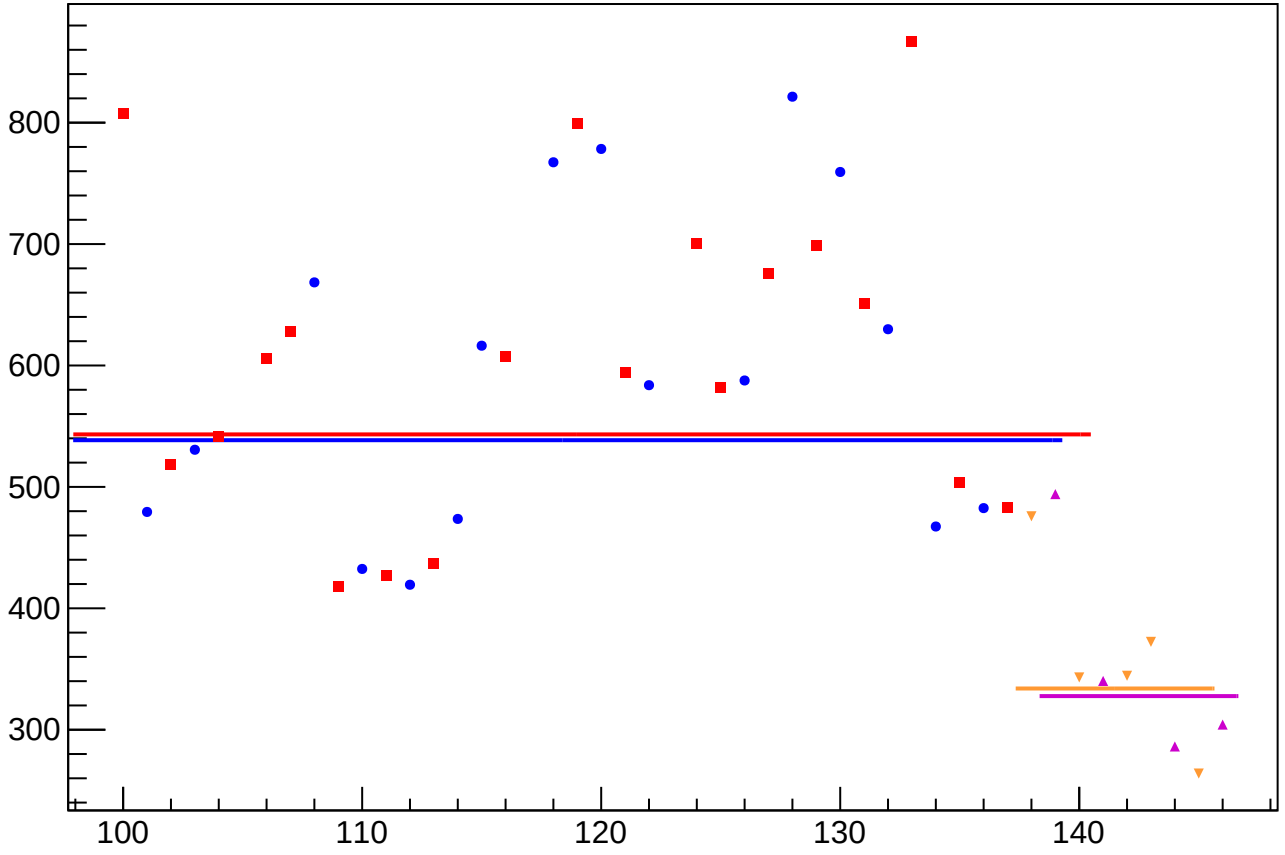
Left In: -202.642+/-178.844 χ^2/NDF:2.7/3

+ sign -239.386+/-134.694 χ^2/NDF: 30.2/20

All: -275.401+/-95.160 χ^2/NDF: 45.2/43

- sign -311.291+/-134.458 χ^2/NDF: 14.9/22

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 333.963+/-0.126 χ^2/NDF:267728.1/4

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

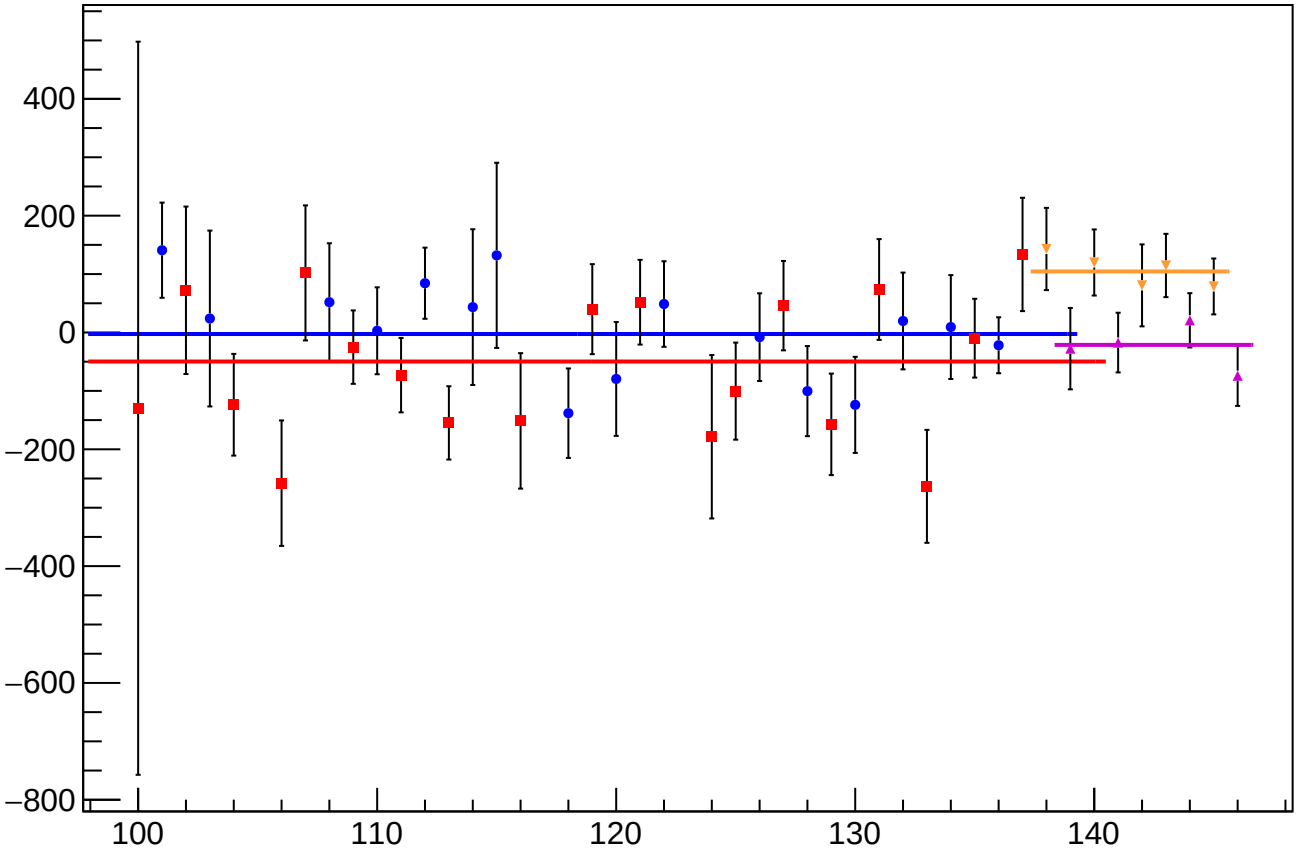
Left In: 327.706+/-0.126 χ^2/NDF:240185.2/3

\+ sign 421.555+/-0.095 χ^2/NDF: 2010631.6/20

All: 421.485+/-0.067 χ^2/NDF: 4150873.0/43

\- sign 421.415+/-0.095 χ^2/NDF: 2140240.4/22

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 104.482+/-25.860 χ^2/NDF:0.8/4

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

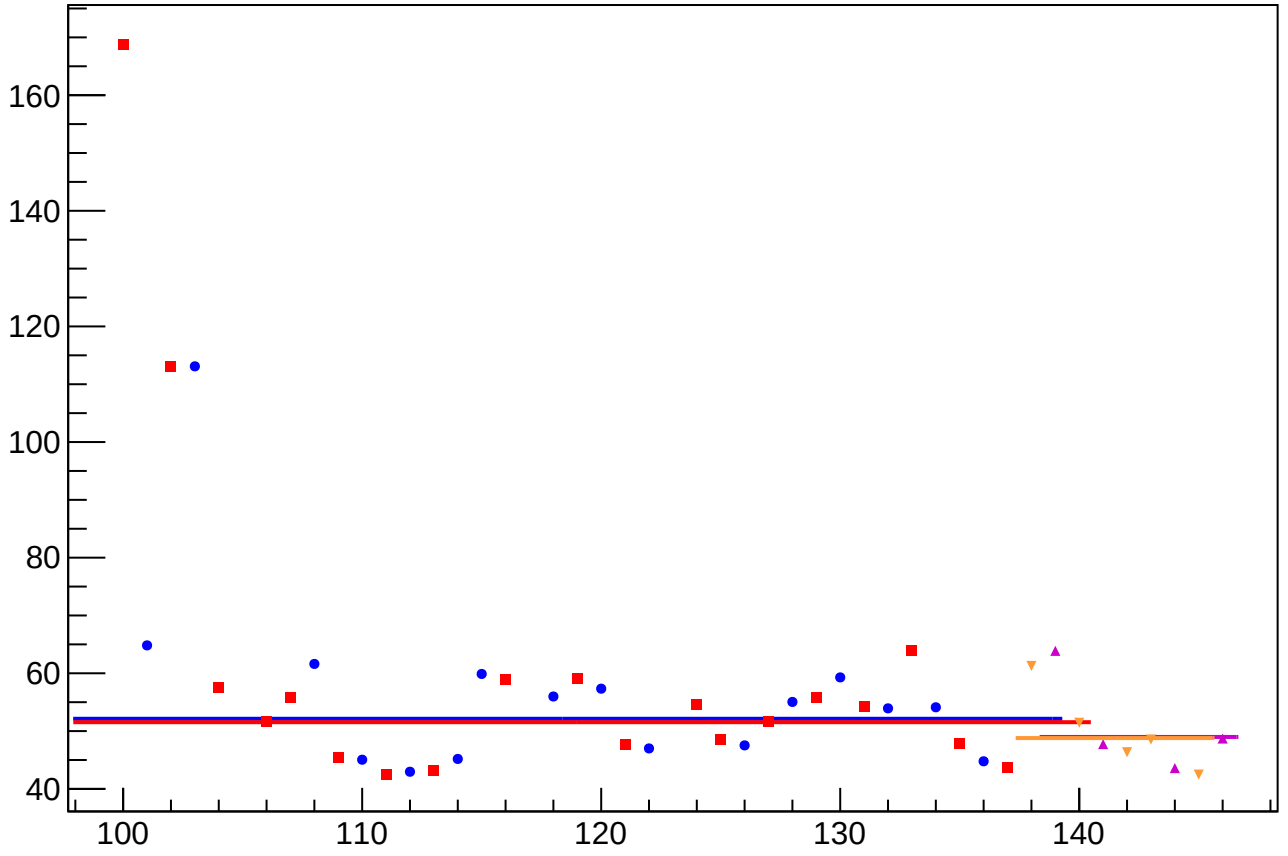
Left In: -21.239+/-26.479 χ^2/NDF:1.9/3

+ sign 37.452+/-15.818 χ^2/NDF: 26.1/20

All: -1.207+/-11.166 χ^2/NDF: 69.9/43

- sign -39.607+/-15.765 χ^2/NDF: 31.9/22

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.792+/-0.018 χ^2/NDF:104690.4/4

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

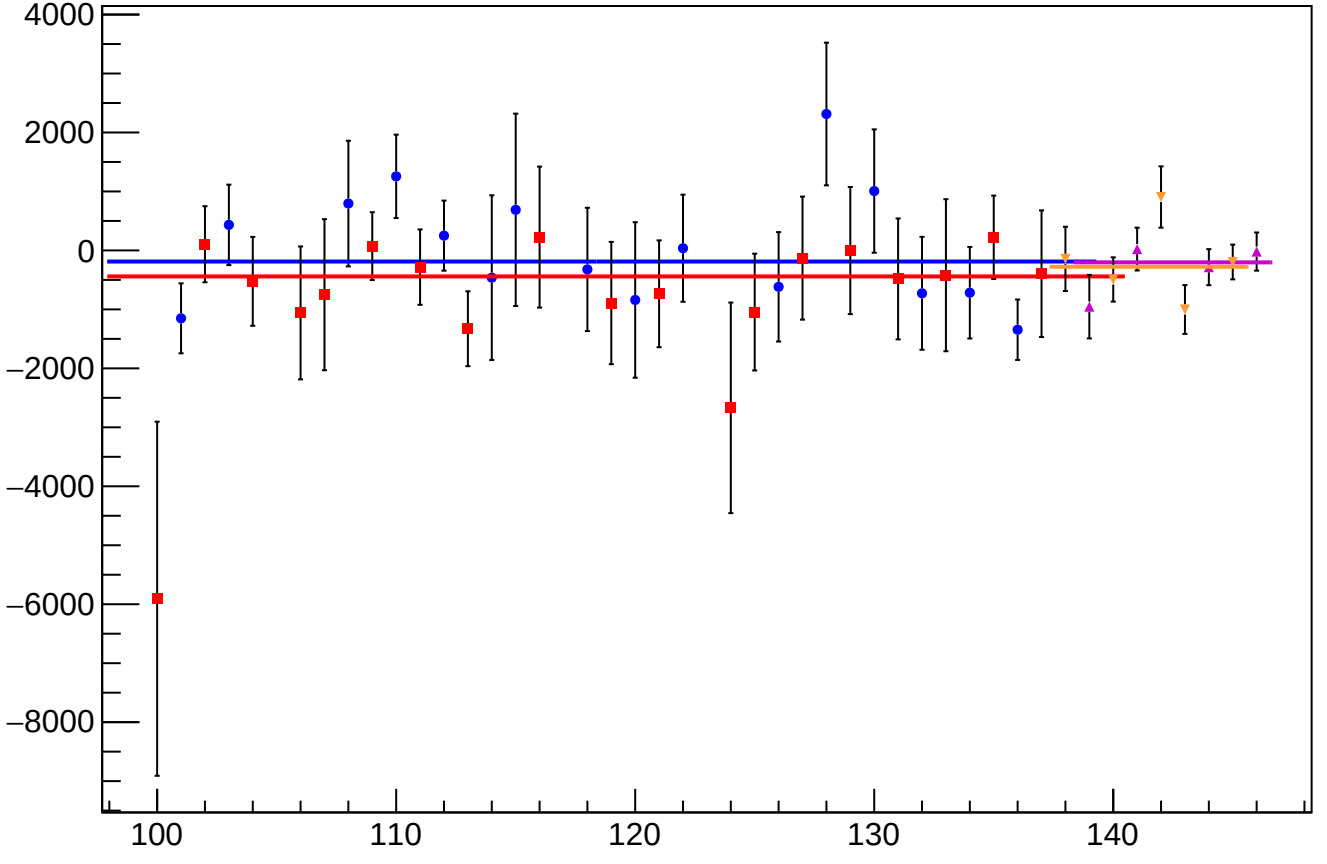
Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

+ sign 50.880+/-0.011 χ^2/NDF: 688444.5/20

All: 50.757+/-0.008 χ^2/NDF: 1460002.1/43

- sign 50.635+/-0.011 χ^2/NDF: 771315.6/22

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -277.458+/-178.144 χ^2/NDF:8.7/4

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

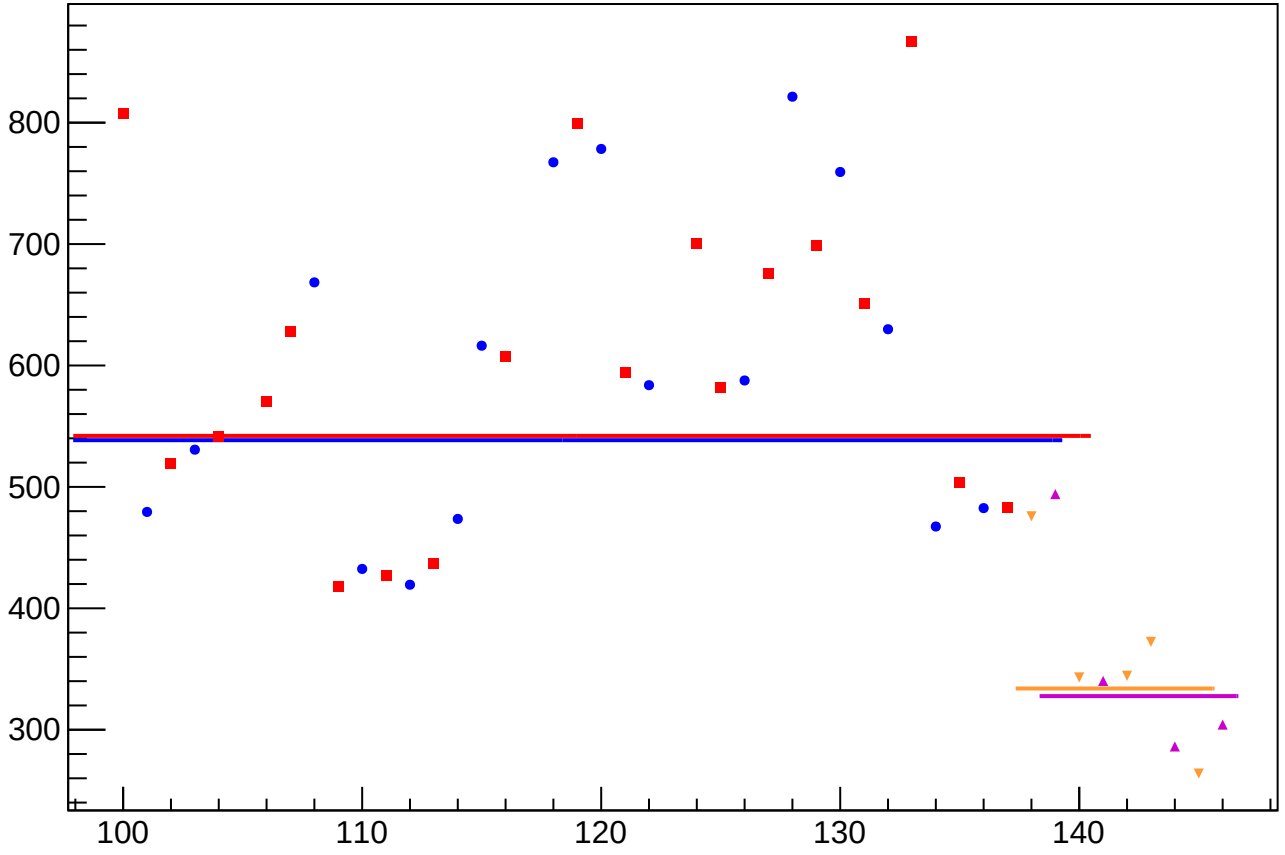
Left In: -202.644+/-178.844 χ^2/NDF:2.7/3

+ sign -239.374+/-134.695 χ^2/NDF: 30.2/20

All: -272.851+/-95.179 χ^2/NDF: 44.7/43

- sign -306.238+/-134.513 χ^2/NDF: 14.4/22

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 333.962+/-0.126 χ^2/NDF:267728.1/4

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

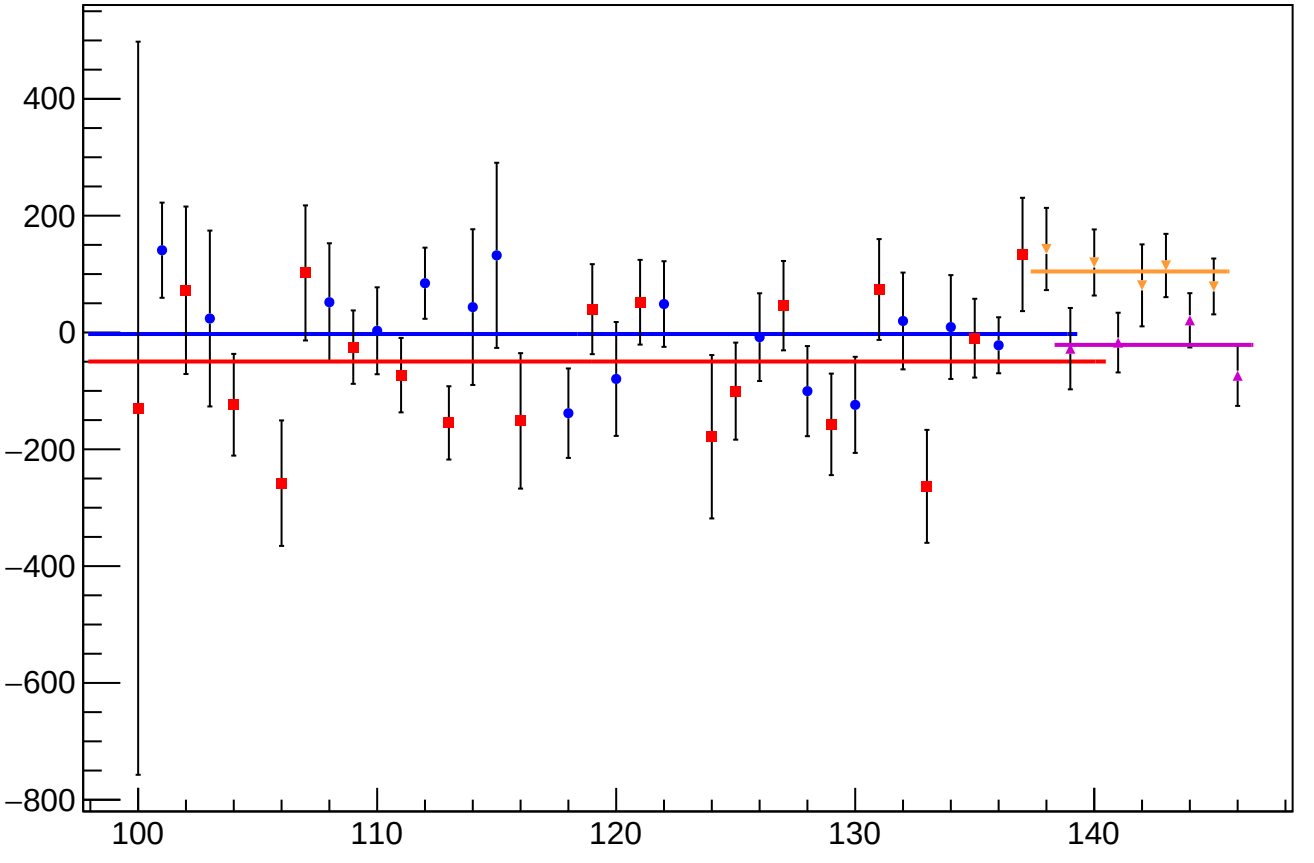
Left In: 327.706+/-0.126 χ^2/NDF:240185.1/3

\+ sign 421.556+/-0.095 χ^2/NDF: 2010678.4/20

All: 421.171+/-0.067 χ^2/NDF: 4129844.8/43

\- sign 420.786+/-0.095 χ^2/NDF: 2119133.7/22

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 104.482+/-25.860 χ^2/NDF:0.8/4

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

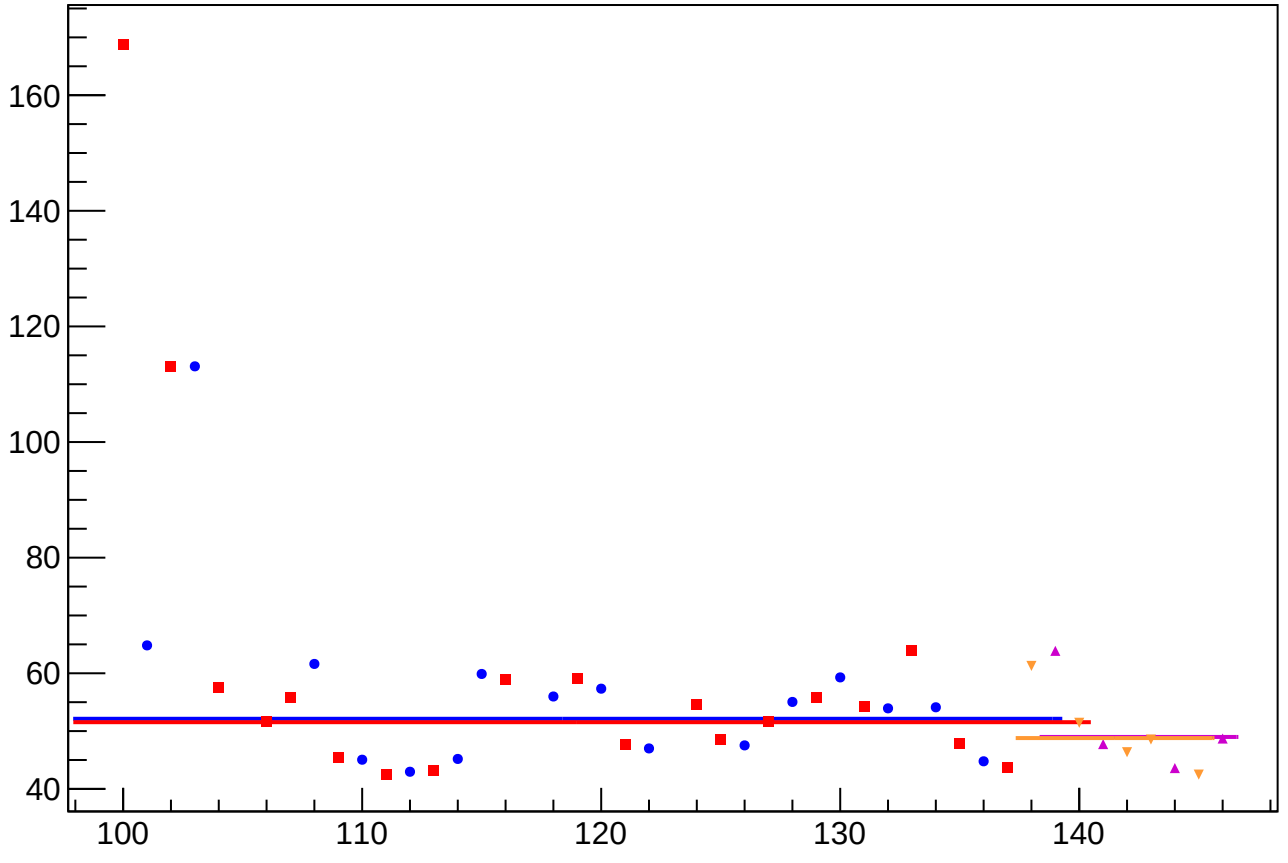
Left In: -21.239+/-26.479 χ^2/NDF:1.9/3

+ sign 37.452+/-15.818 χ^2/NDF: 26.1/20

All: -1.207+/-11.166 χ^2/NDF: 69.9/43

- sign -39.607+/-15.765 χ^2/NDF: 31.9/22

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.792+/-0.018 χ^2/NDF:104690.4/4

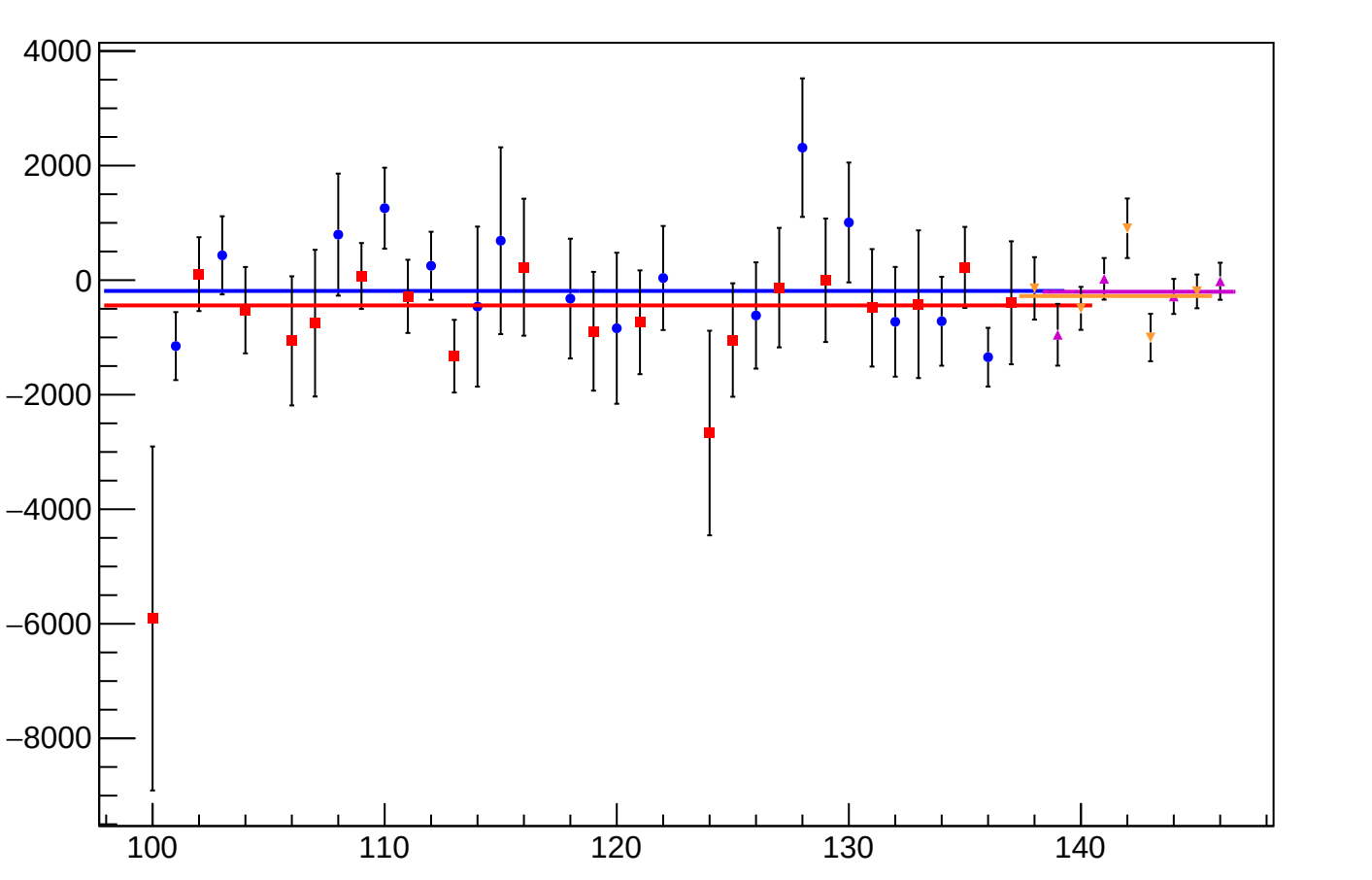
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

+ sign 50.880+/-0.011 χ^2/NDF: 688444.5/20

All: 50.757+/-0.008 χ^2/NDF: 1460002.1/43

- sign 50.635+/-0.011 χ^2/NDF: 771315.6/22



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -277.458+/-178.144 χ^2/NDF:8.7/4

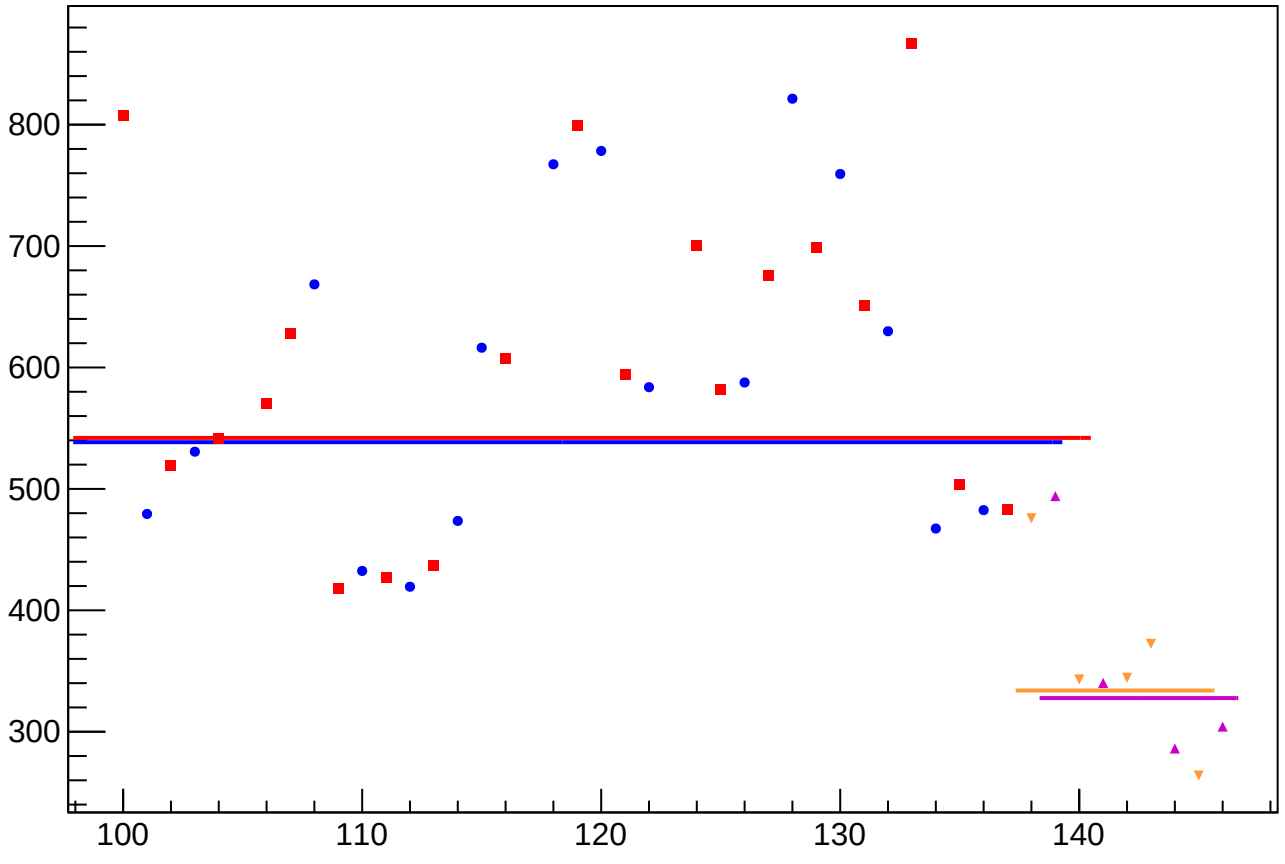
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -202.644+/-178.844 χ^2/NDF:2.7/3

+ sign -239.374+/-134.695 χ^2/NDF: 30.2/20

All: -272.851+/-95.179 χ^2/NDF: 44.7/43

- sign -306.238+/-134.513 χ^2/NDF: 14.4/22



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 333.962+/-0.126 χ^2/NDF:267728.1/4

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

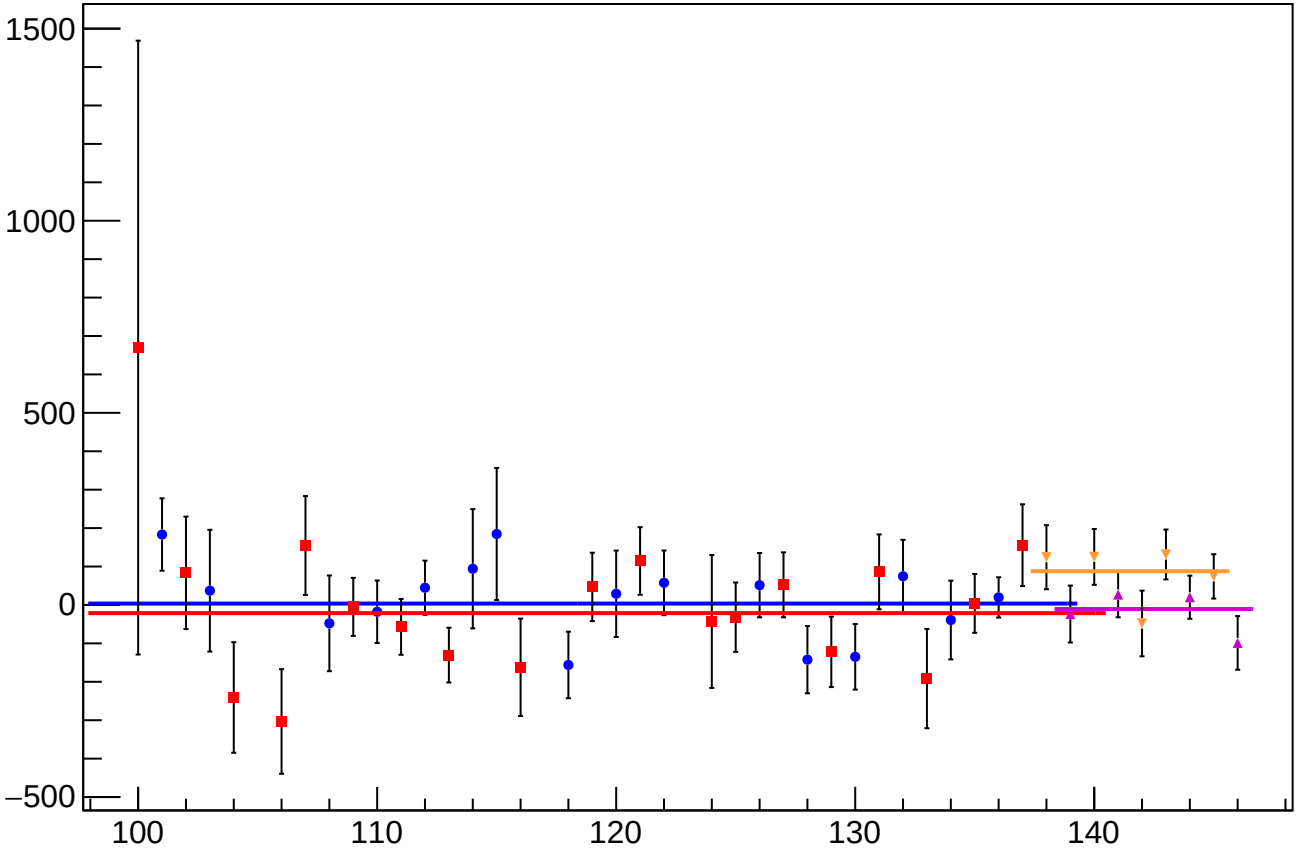
Left In: 327.706+/-0.126 χ^2/NDF:240185.1/3

+ sign 421.556+/-0.095 χ^2/NDF: 2010678.4/20

All: 421.171+/-0.067 χ^2/NDF: 4129844.8/43

- sign 420.786+/-0.095 χ^2/NDF: 2119133.7/22

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 87.805+/-31.507 χ^2/NDF:3.5/4

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

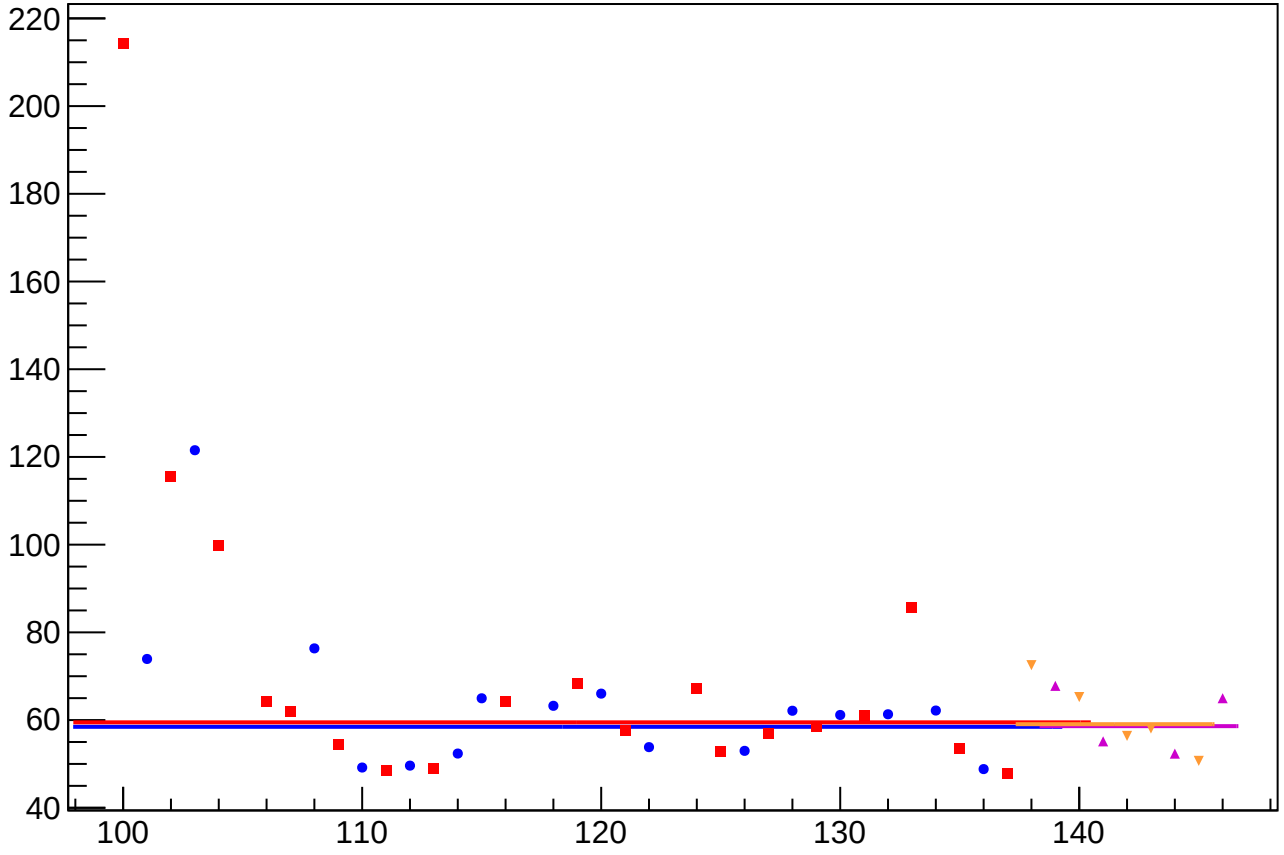
Left In: -10.558+/-31.779 χ^2/NDF:2.3/3

+ sign 32.004+/-18.299 χ^2/NDF: 24.4/20

All: 7.471+/-13.013 χ^2/NDF: 54.8/43

- sign -17.625+/-18.508 χ^2/NDF: 26.8/22

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 59.063+/-0.022 χ^2/NDF:110996.1/4

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

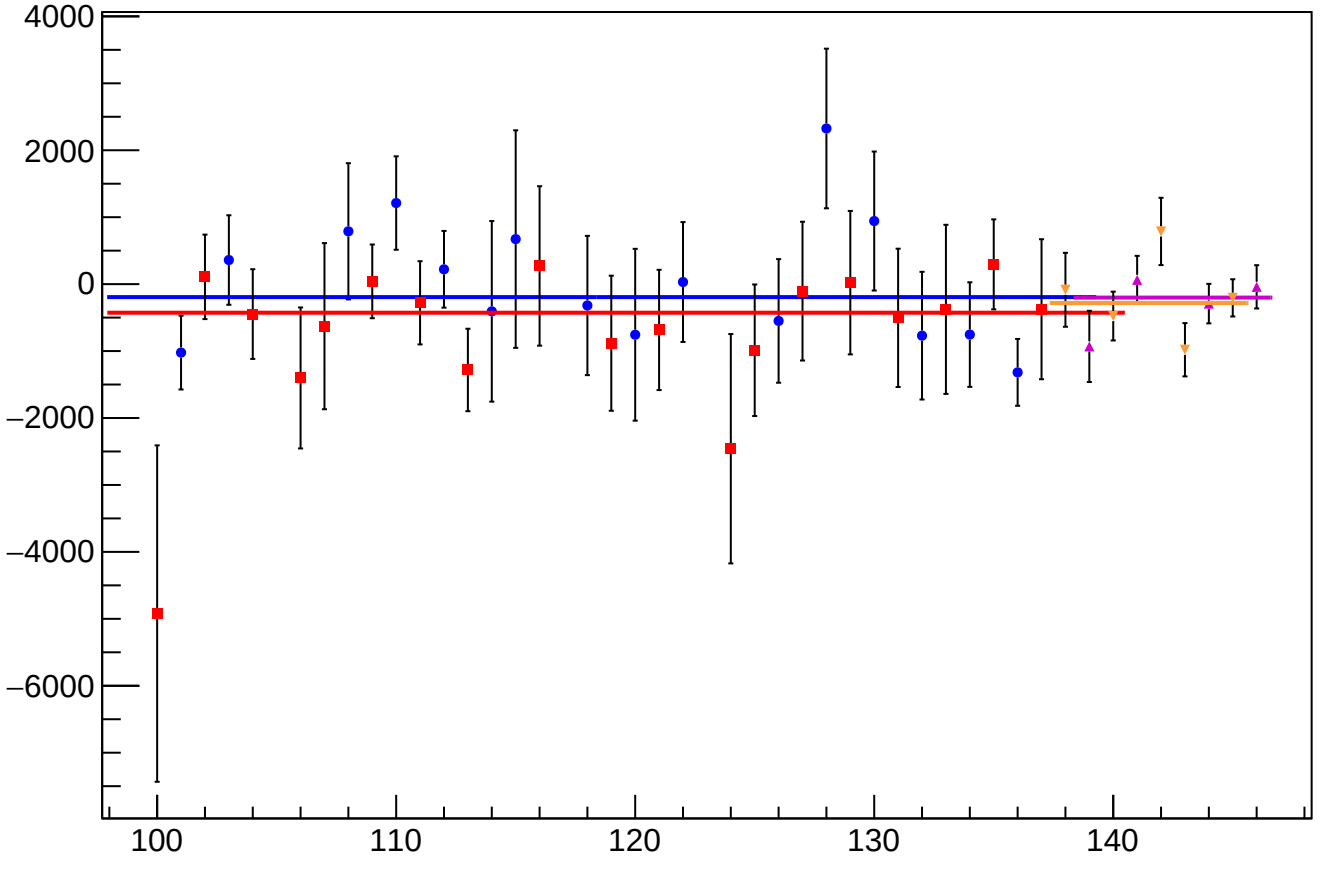
Left In: 58.616+/-0.022 χ^2/NDF:79187.8/3

+ sign 58.667+/-0.013 χ^2/NDF: 694457.2/20

All: 58.925+/-0.009 χ^2/NDF: 1560317.8/43

- sign 59.189+/-0.013 χ^2/NDF: 865054.7/22

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -282.252+/-171.447 χ^2/NDF:8.1/4

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

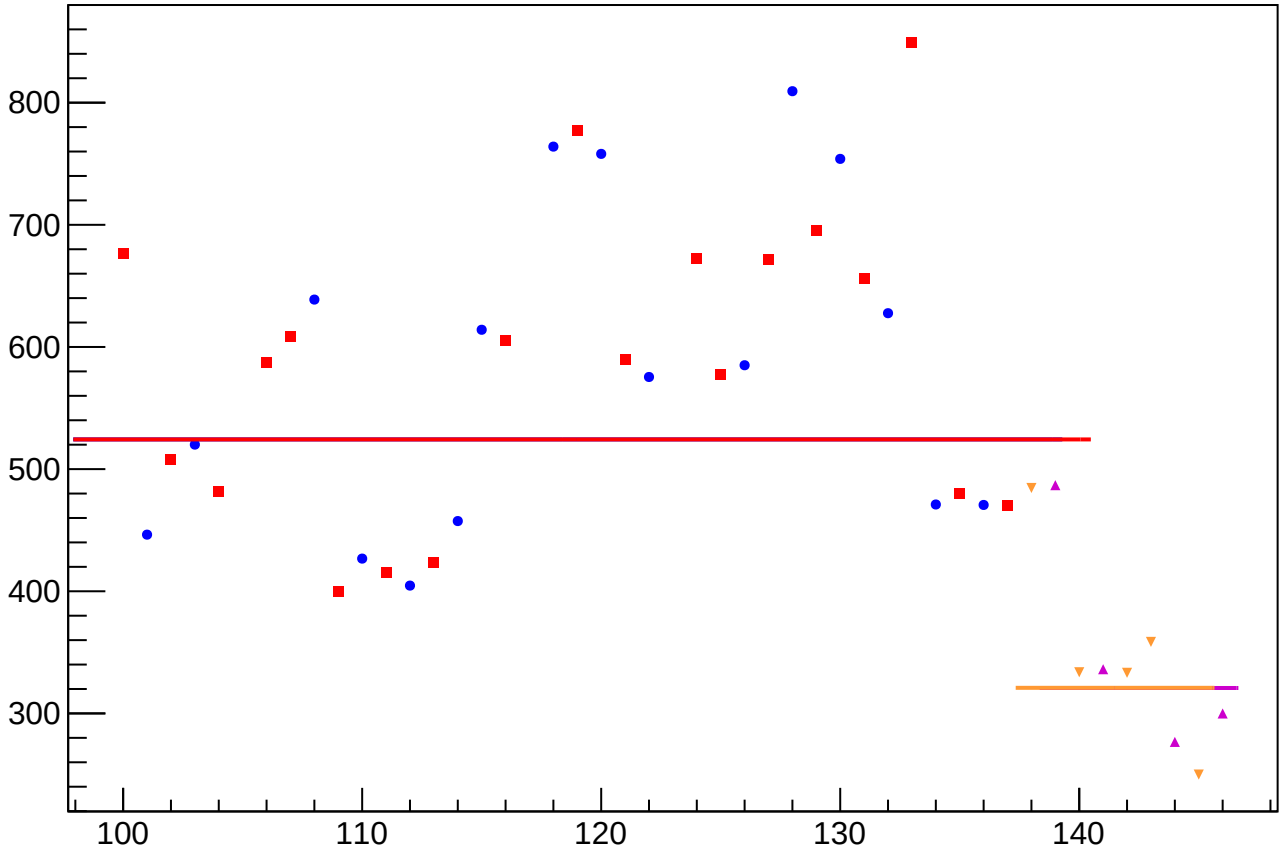
Left In: -201.261+/-175.681 χ^2/NDF:2.8/3

+ sign -244.957+/-130.332 χ^2/NDF: 29.0/20

All: -272.932+/-92.436 χ^2/NDF: 43.9/43

- sign -301.246+/-131.118 χ^2/NDF: 14.8/22

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 320.954+/-0.121 χ^2/NDF:327433.3/4

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

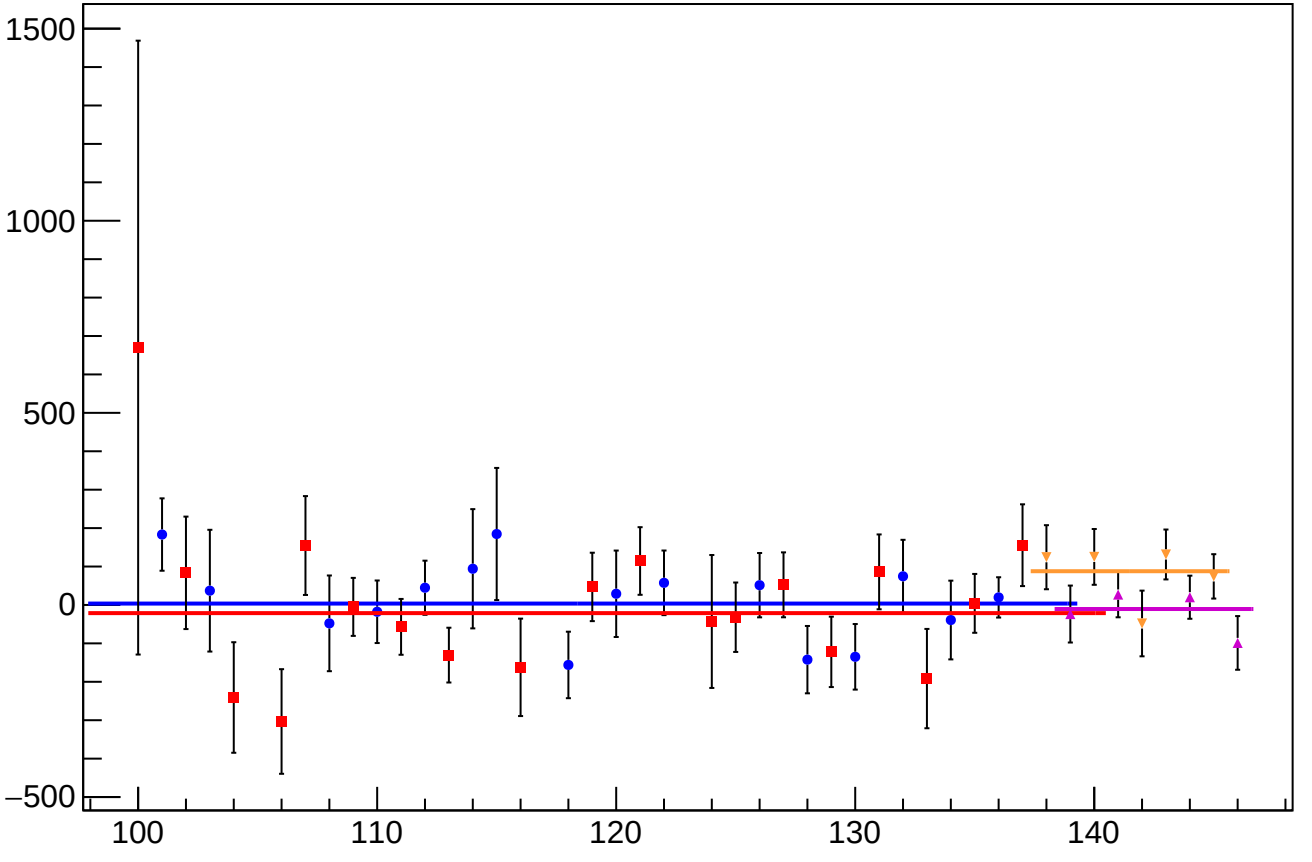
Left In: 320.820+/-0.124 χ^2/NDF:251770.9/3

+ sign 406.800+/-0.092 χ^2/NDF: 2173823.7/20

All: 408.866+/-0.065 χ^2/NDF: 4301242.5/43

- sign 410.958+/-0.093 χ^2/NDF: 2126406.9/22

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 87.804+/-31.507 χ^2/NDF:3.5/4

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

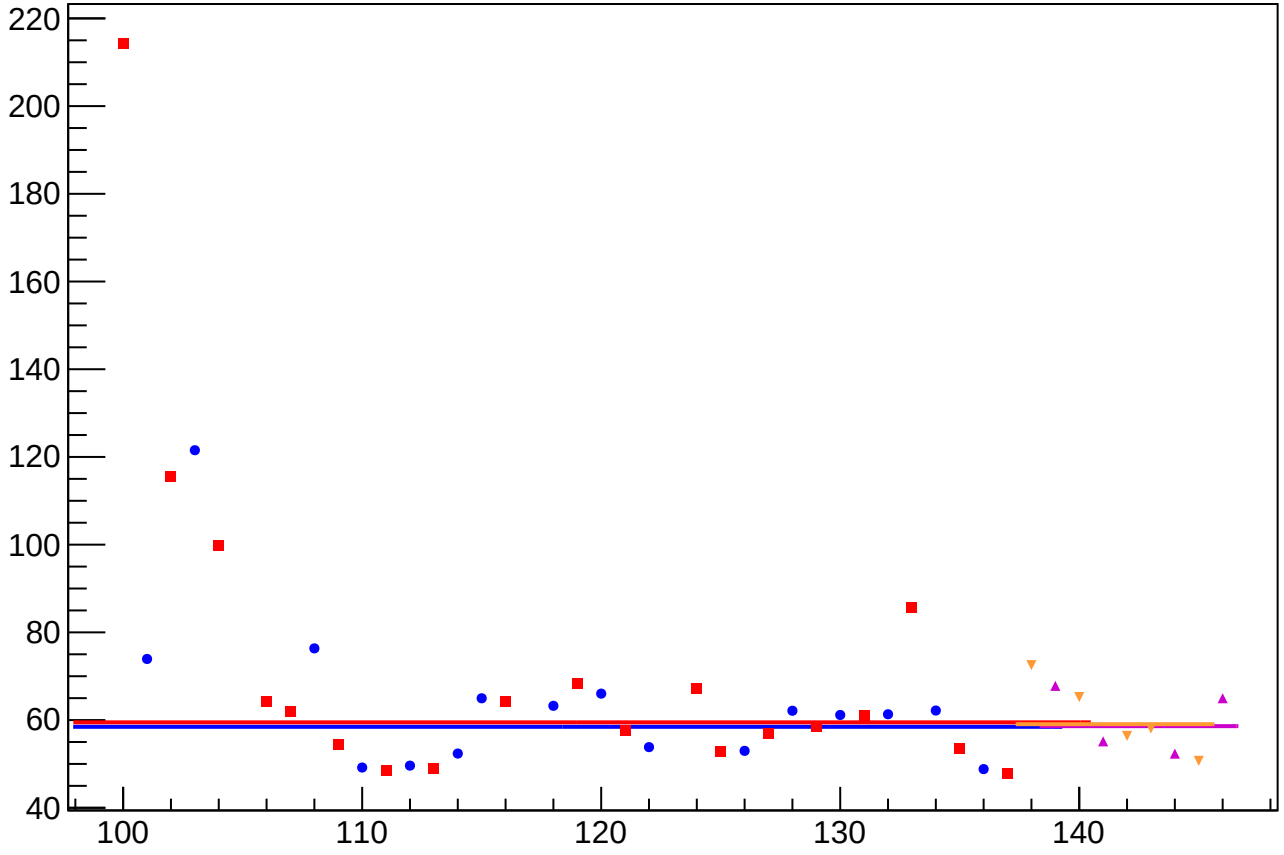
Left In: -10.559+/-31.779 χ^2/NDF:2.3/3

+ sign 32.004+/-18.300 χ^2/NDF: 24.4/20

All: 7.471+/-13.013 χ^2/NDF: 54.8/43

- sign -17.625+/-18.509 χ^2/NDF: 26.8/22

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 59.063+/-0.022 χ^2/NDF:110995.7/4

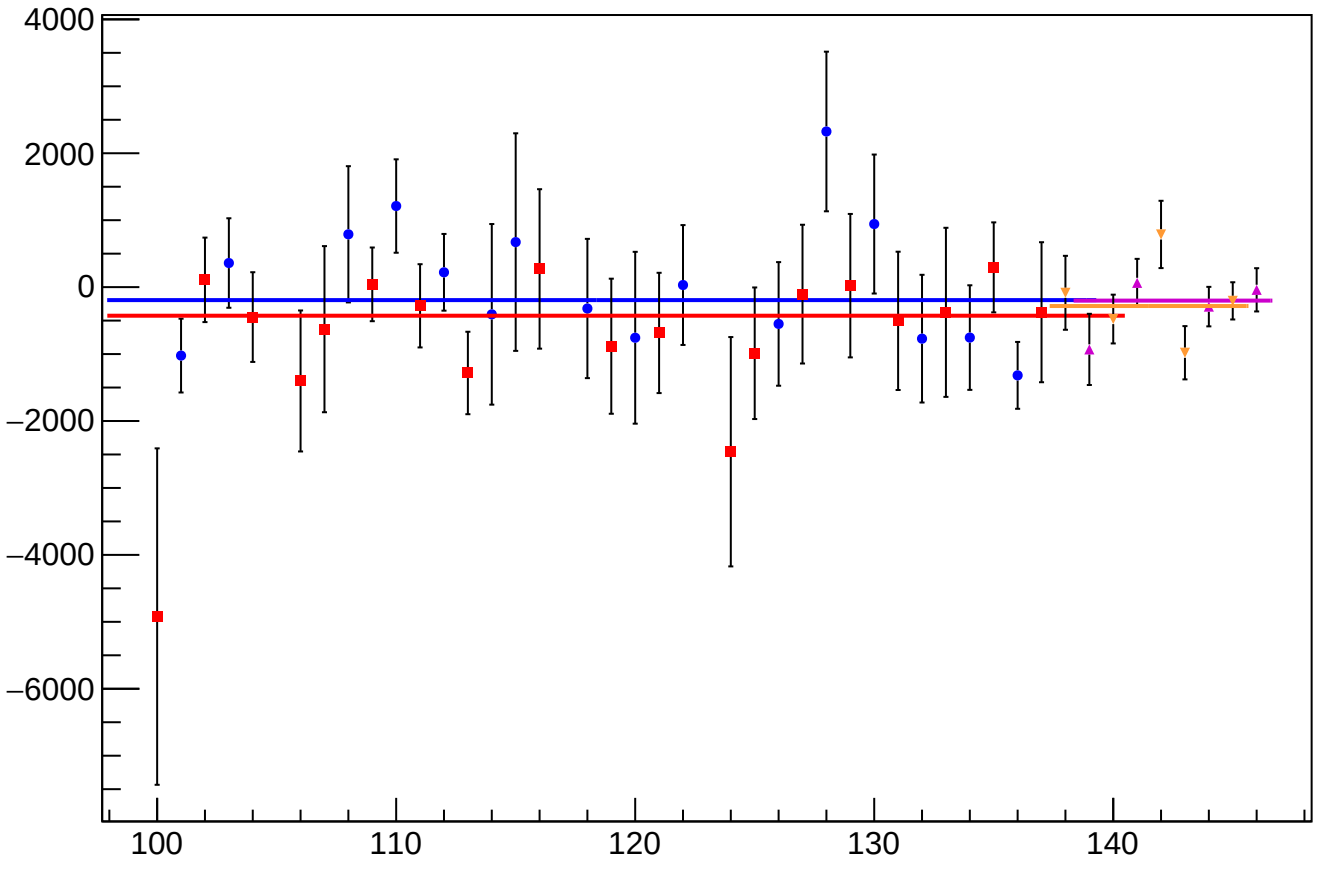
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 58.616+/-0.022 χ^2/NDF:79186.8/3

+ sign 58.667+/-0.013 χ^2/NDF: 694453.5/20

All: 58.925+/-0.009 χ^2/NDF: 1560313.0/43

- sign 59.190+/-0.013 χ^2/NDF: 865053.6/22



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -282.253+/-171.447 χ^2/NDF:8.1/4

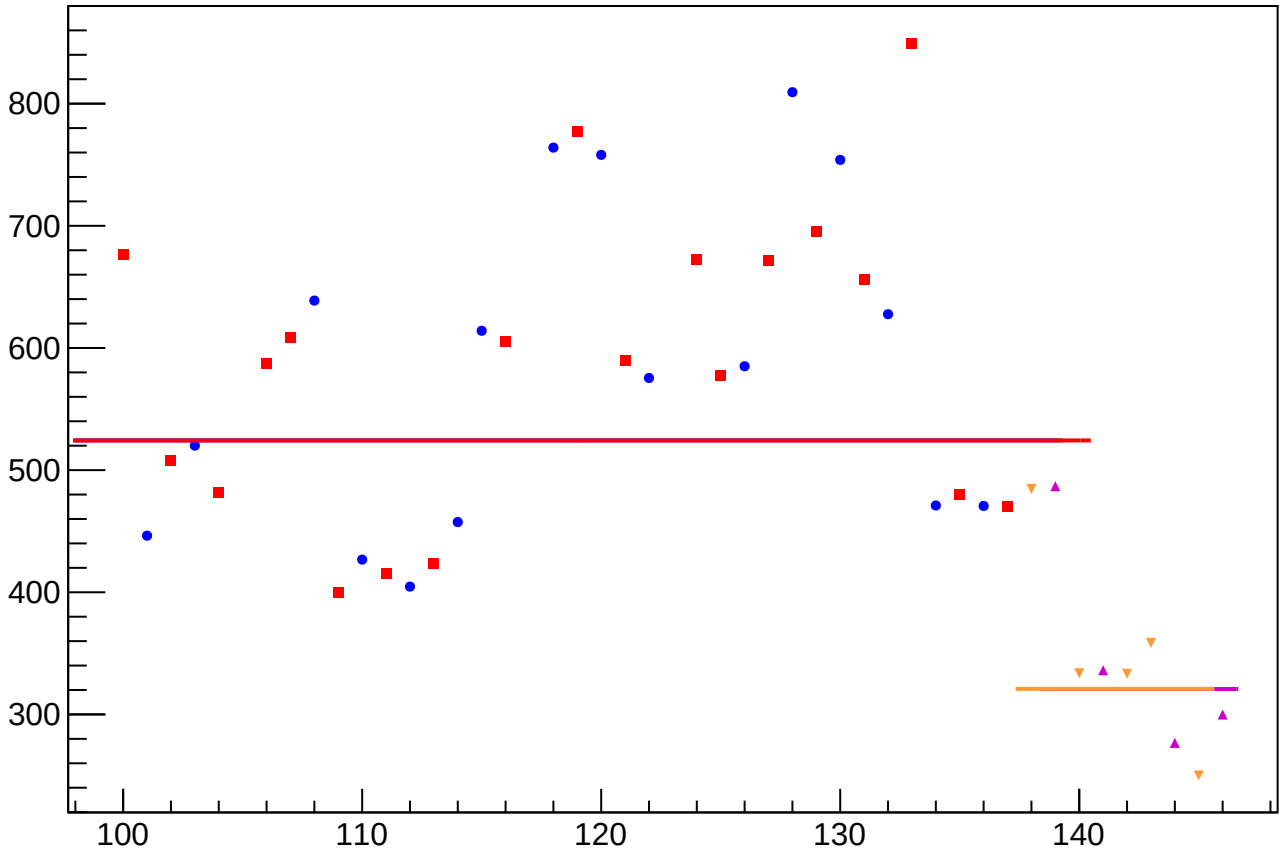
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -201.262+/-175.681 χ^2/NDF:2.8/3

+ sign -244.958+/-130.332 χ^2/NDF: 29.0/20

All: -272.933+/-92.435 χ^2/NDF: 43.9/43

- sign -301.246+/-131.118 χ^2/NDF: 14.8/22



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 320.954+/-0.121 χ^2/NDF:327434.0/4

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

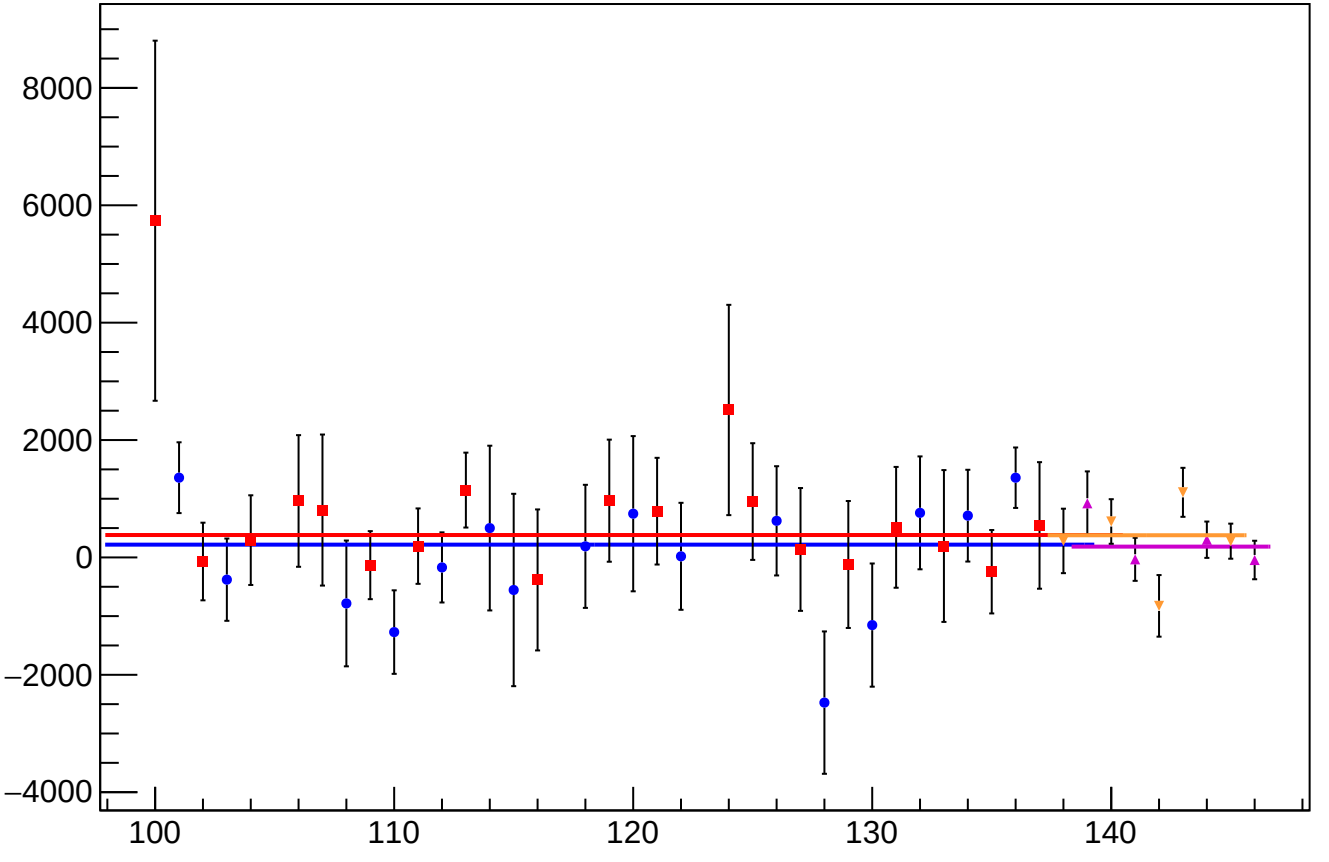
Left In: 320.820+/-0.124 χ^2/NDF:251771.8/3

+ sign 406.799+/-0.092 χ^2/NDF: 2173821.6/20

All: 408.866+/-0.065 χ^2/NDF: 4301234.4/43

- sign 410.958+/-0.093 χ^2/NDF: 2126400.9/22

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 378.073+/-180.123 χ^2/NDF:8.9/4

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

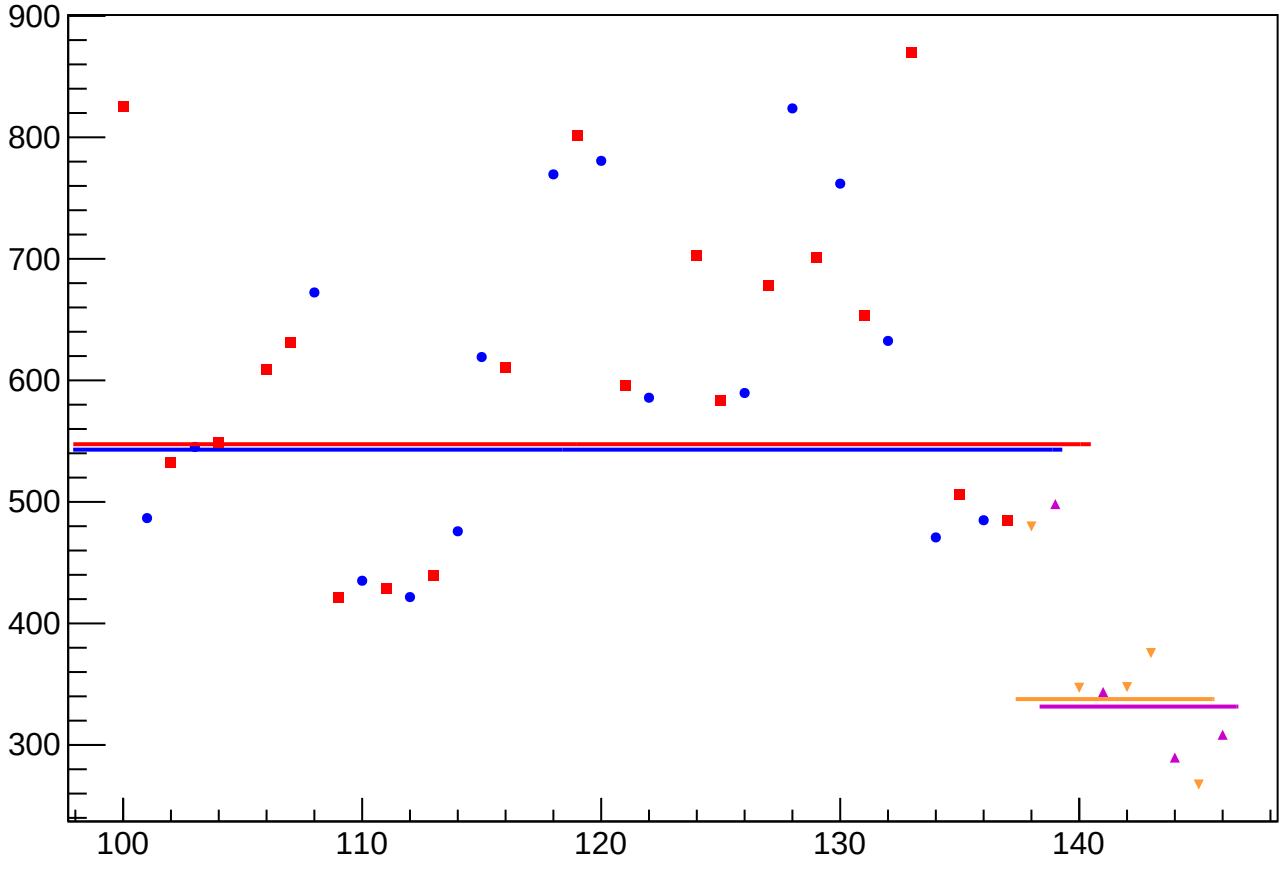
Left In: 184.105+/-180.903 χ^2/NDF:2.8/3

+ sign 309.178+/-136.021 χ^2/NDF: 32.1/20

All: 289.756+/-96.107 χ^2/NDF: 45.5/43

- sign 270.394+/-135.810 χ^2/NDF: 13.3/22

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 337.767+/-0.127 χ^2/NDF:262849.3/4

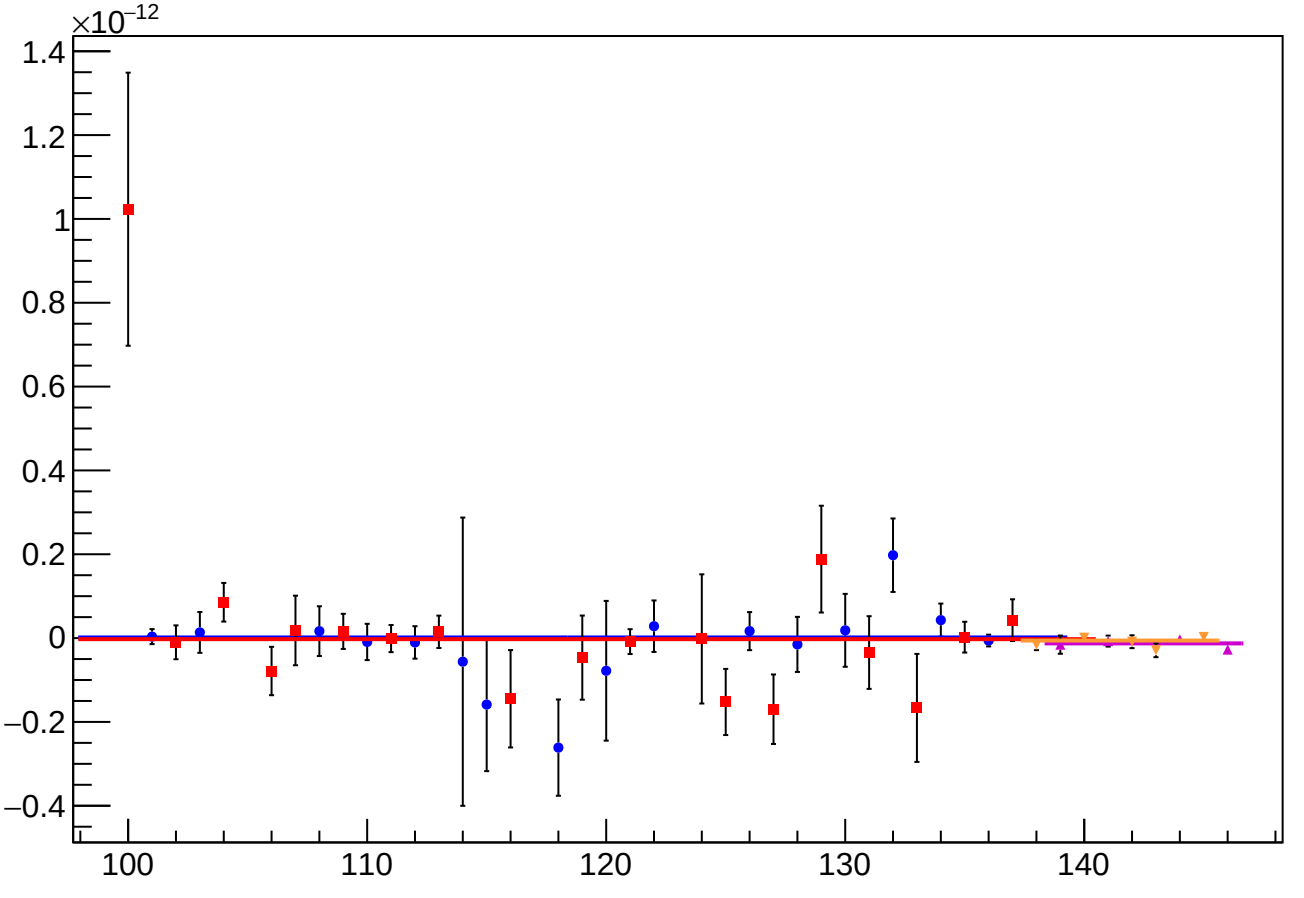
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 331.588+/-0.128 χ^2/NDF:236830.3/3

+ sign 425.963+/-0.096 χ^2/NDF: 1983890.1/20

All: 425.879+/-0.068 χ^2/NDF: 4093895.6/43

- sign 425.796+/-0.096 χ^2/NDF: 2110004.0/22



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

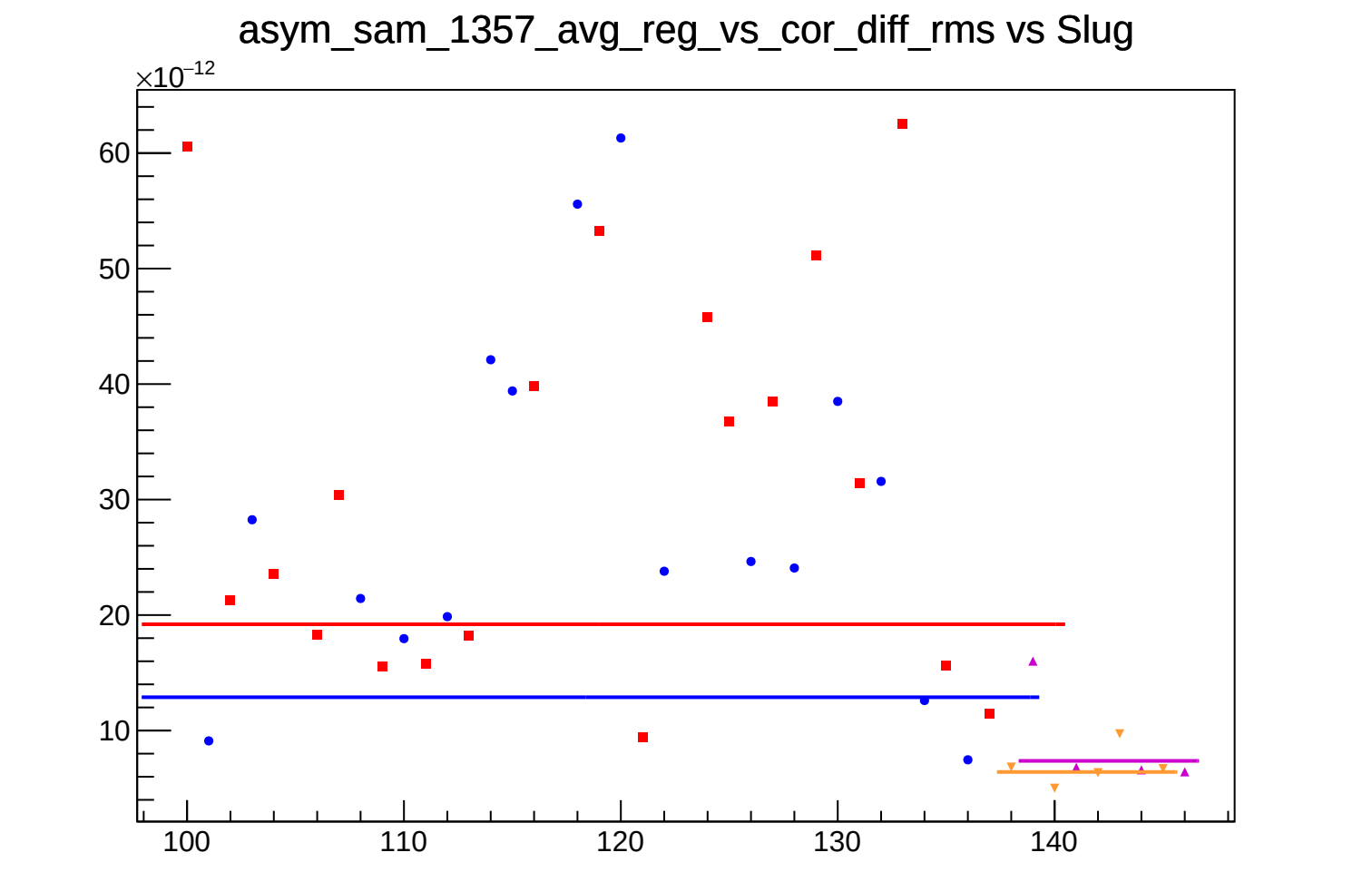
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/3

+ sign -0.000+/-0.000 χ^2/NDF: 18.0/20

All: -0.000+/-0.000 χ^2/NDF: 52.3/43

- sign -0.000+/-0.000 χ^2/NDF: 33.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:132379.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

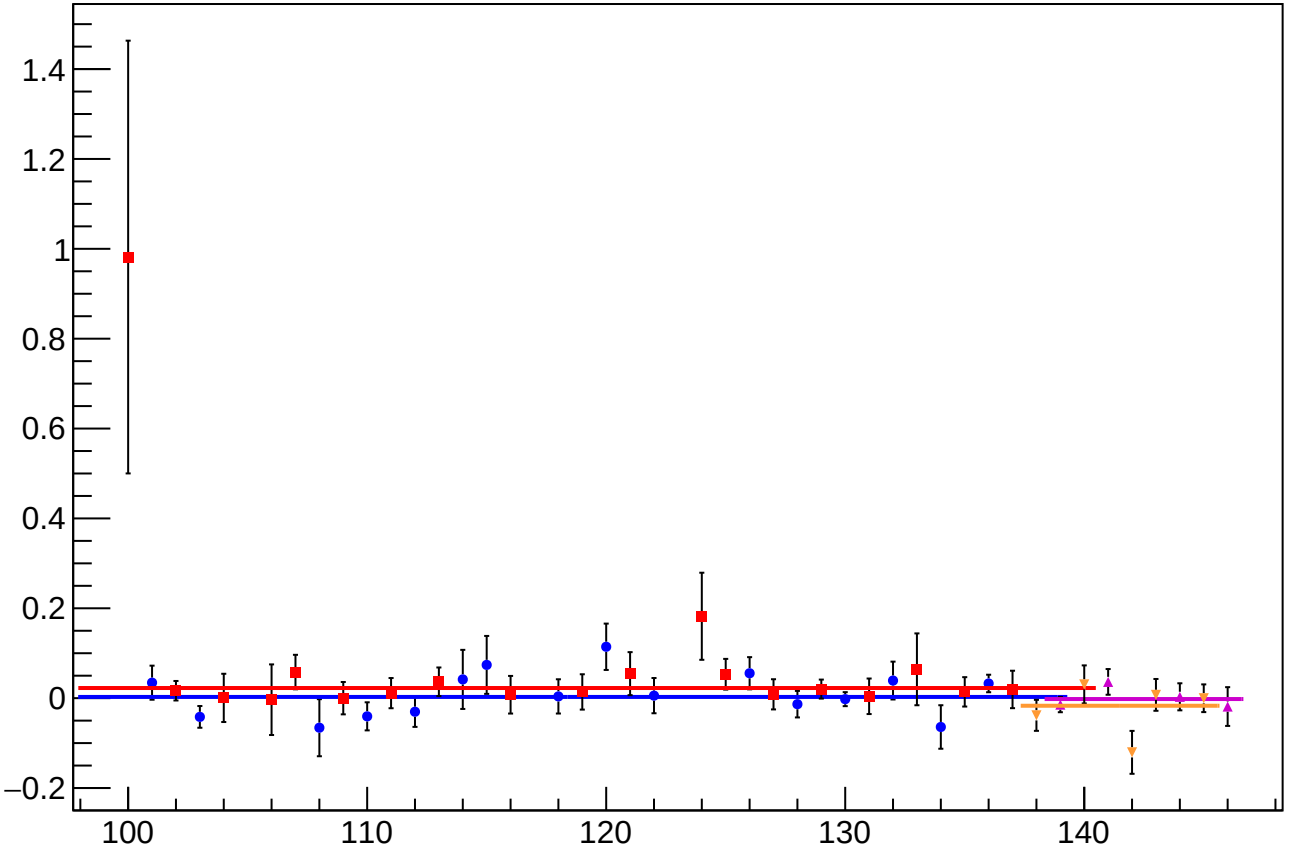
Left In: 0.000+/-0.000 χ^2/NDF:346761.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 2652241.7/20

All: 0.000+/-0.000 χ^2/NDF: 5997060.5/43

- sign 0.000+/-0.000 χ^2/NDF: 3217024.7/22

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.017+/-0.016 χ^2/NDF:7.1/4

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

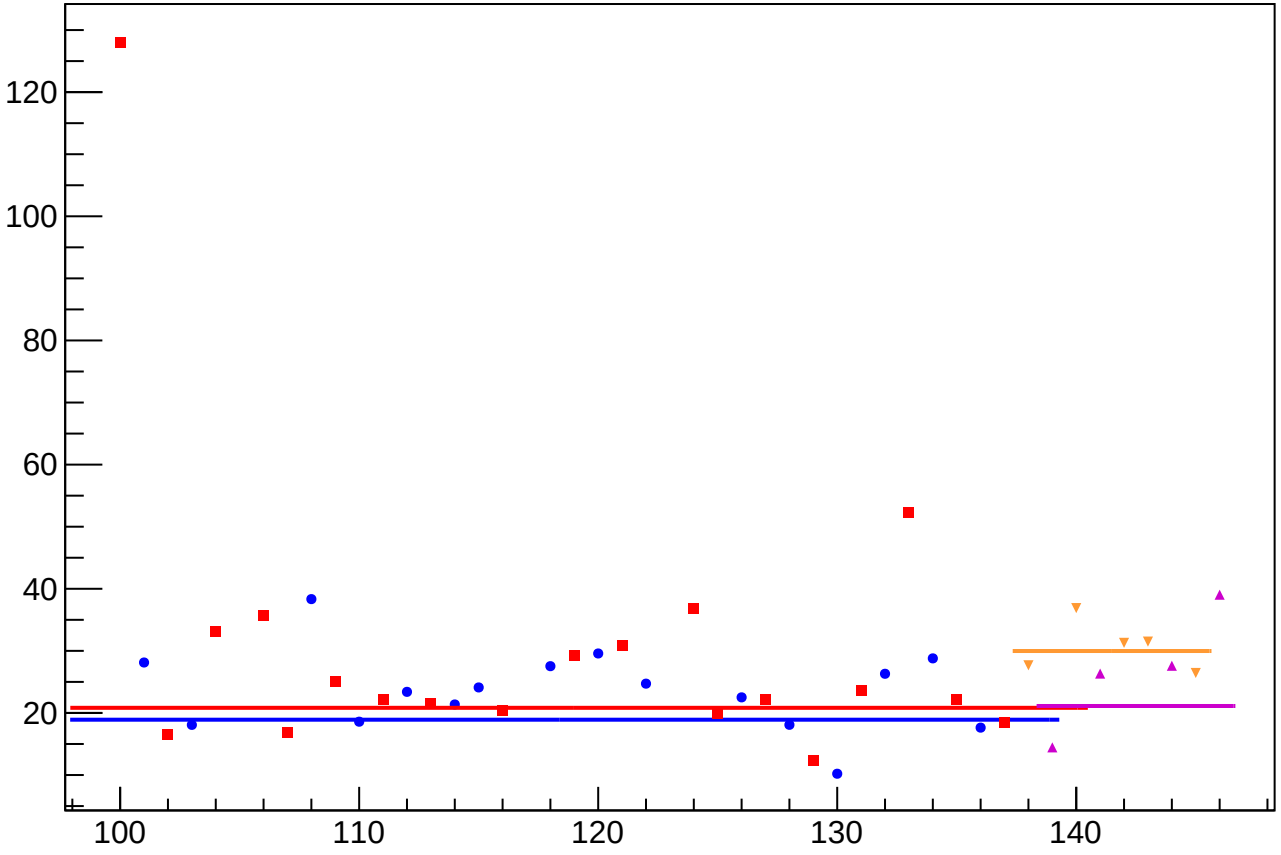
Left In: -0.002+/-0.013 χ^2/NDF:2.5/3

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/20

All: 0.007+/-0.005 χ^2/NDF: 48.6/43

- sign 0.015+/-0.007 χ^2/NDF: 15.9/22

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: 29.975+/-0.012 χ^2/NDF:93810.6/4

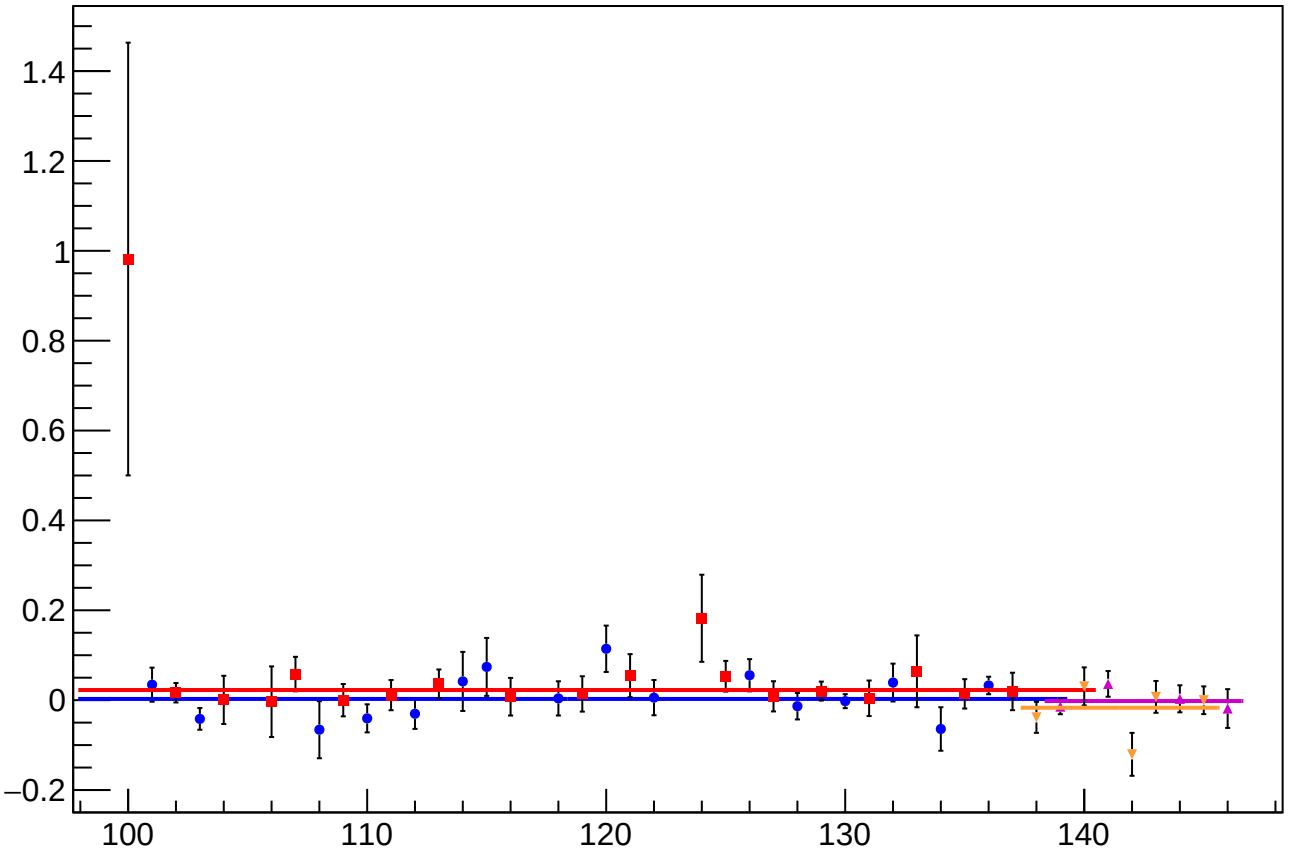
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.119+/-0.009 χ^2/NDF:813757.6/3

+ sign 20.940+/-0.005 χ^2/NDF: 2221166.3/20

All: 20.929+/-0.004 χ^2/NDF: 4327223.4/43

- sign 20.918+/-0.005 χ^2/NDF: 2106046.9/22



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.017+/-0.016 χ^2/NDF:7.1/4

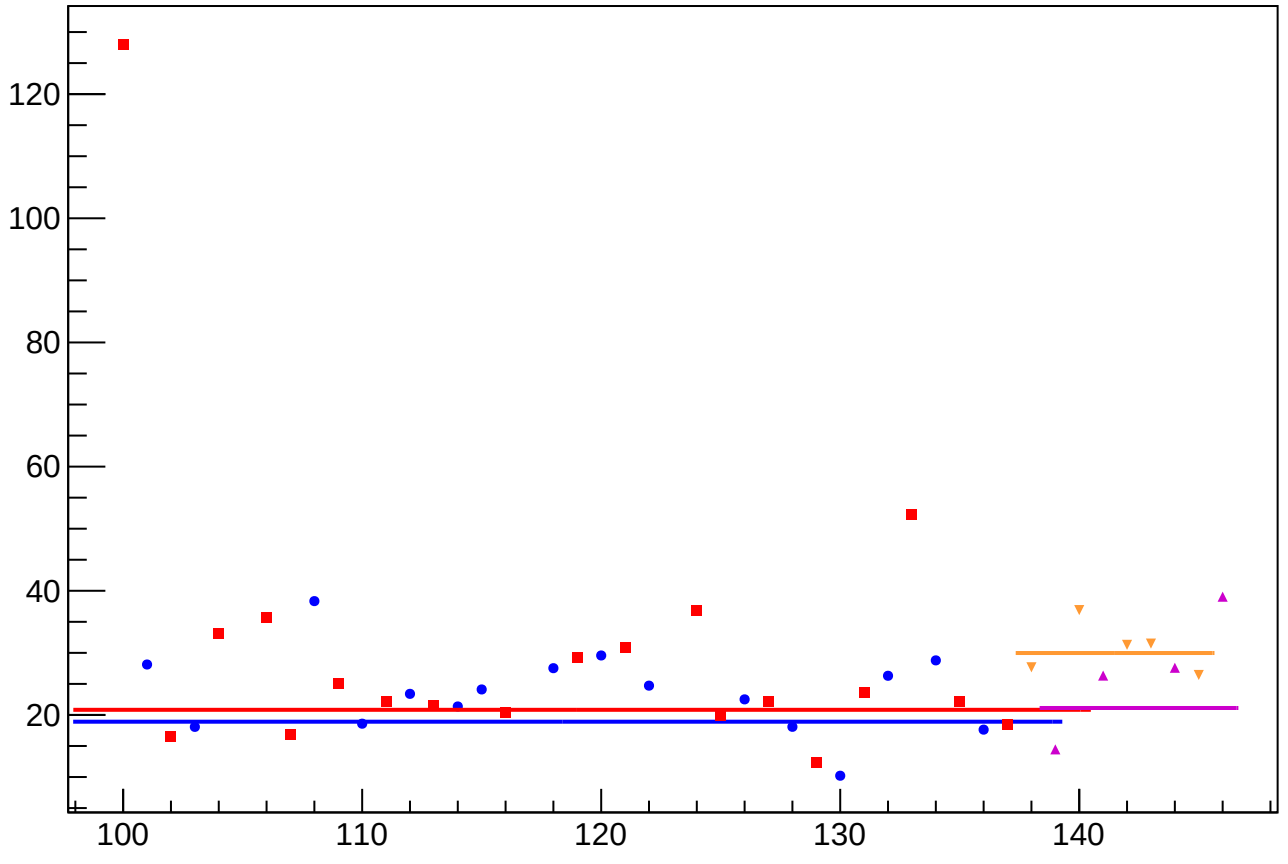
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.002+/-0.013 χ^2/NDF:2.5/3

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/20

All: 0.007+/-0.005 χ^2/NDF: 48.6/43

- sign 0.015+/-0.007 χ^2/NDF: 15.9/22



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 29.975+/-0.012 χ^2/NDF:93810.6/4

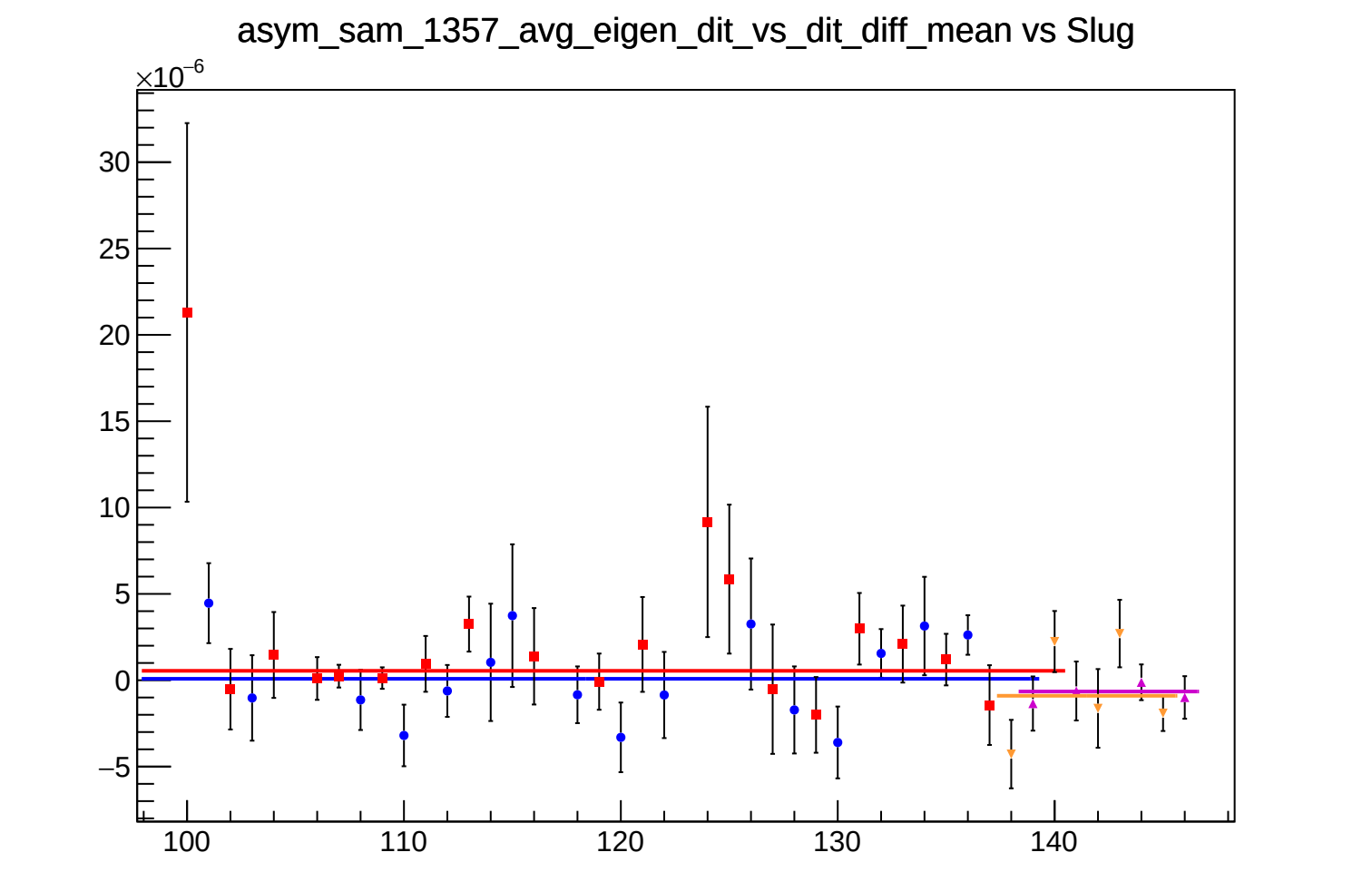
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.119+/-0.009 χ^2/NDF:813757.6/3

+ sign 20.940+/-0.005 χ^2/NDF: 2221166.3/20

All: 20.929+/-0.004 χ^2/NDF: 4327223.4/43

- sign 20.918+/-0.005 χ^2/NDF: 2106046.9/22



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/4

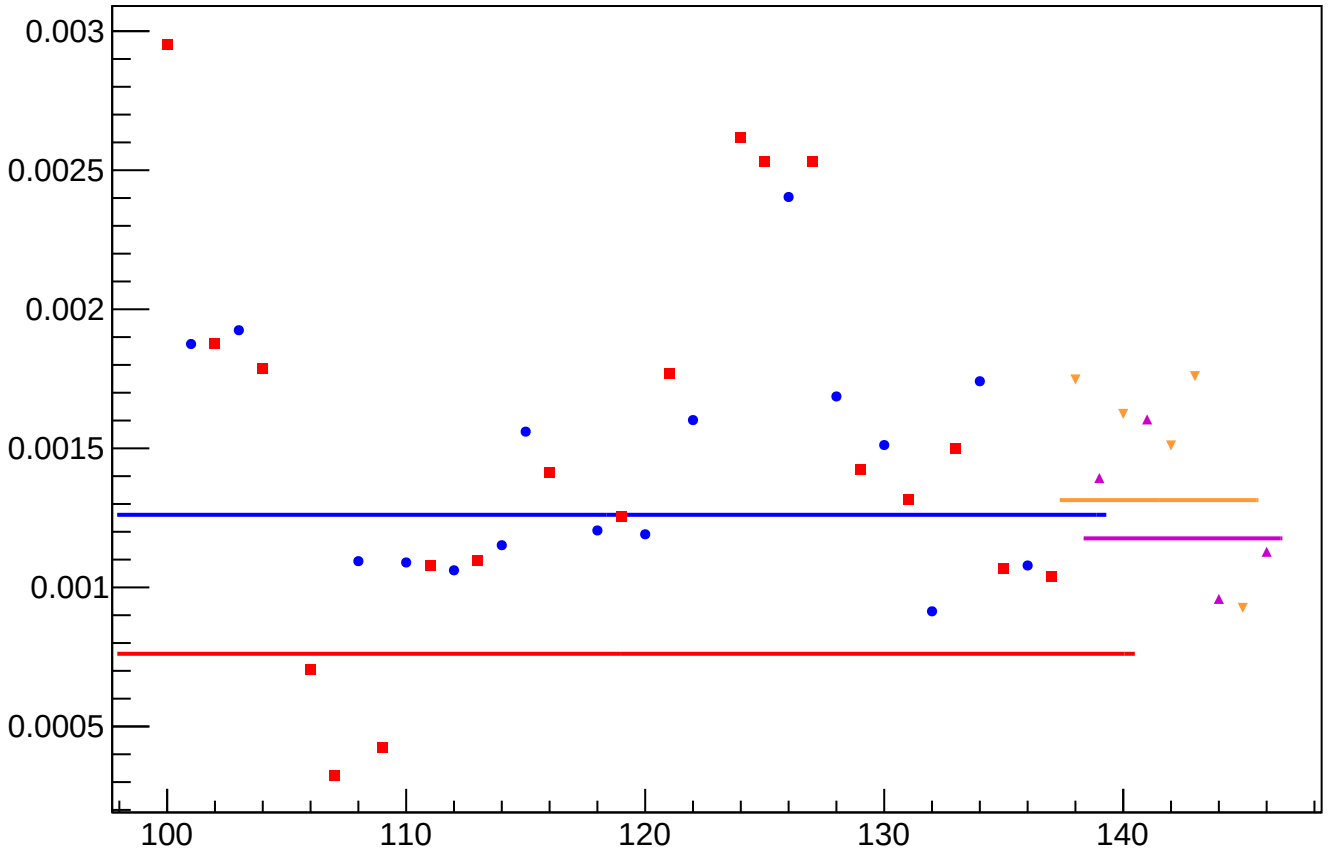
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/20

All: 0.000+/-0.000 χ^2/NDF: 55.2/43

- sign 0.000+/-0.000 χ^2/NDF: 18.8/22



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:557936.2/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

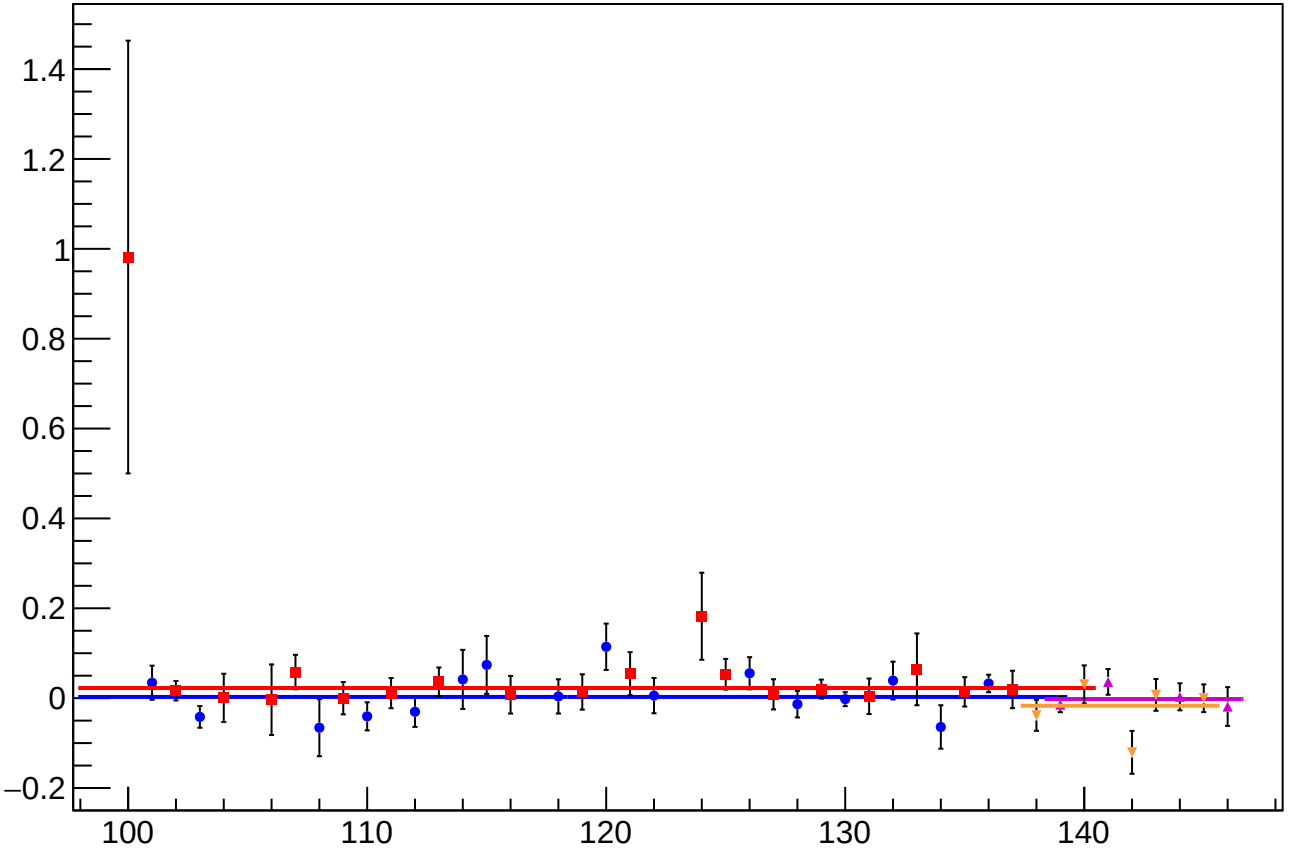
Left In: 0.001+/-0.000 χ^2/NDF:255448.0/3

+ sign 0.001+/-0.000 χ^2/NDF: 1472734.1/20

All: 0.001+/-0.000 χ^2/NDF: 8494700.6/43

- sign 0.001+/-0.000 χ^2/NDF: 5564085.1/22

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.017+/-0.016 χ^2/NDF:7.1/4

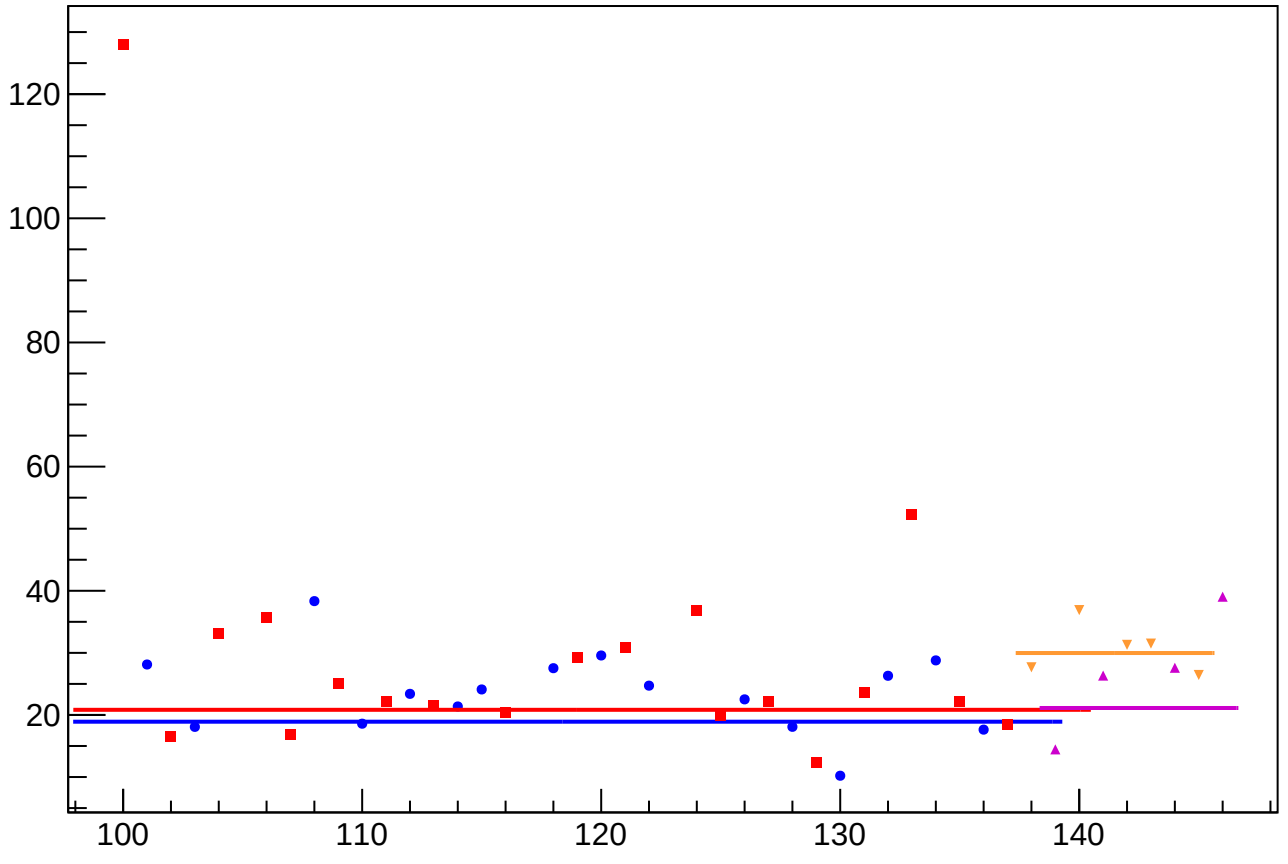
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.002+/-0.013 χ^2/NDF:2.5/3

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/20

All: 0.007+/-0.005 χ^2/NDF: 48.6/43

- sign 0.015+/-0.007 χ^2/NDF: 15.9/22



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 29.975+/-0.012 χ^2/NDF:93815.9/4

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

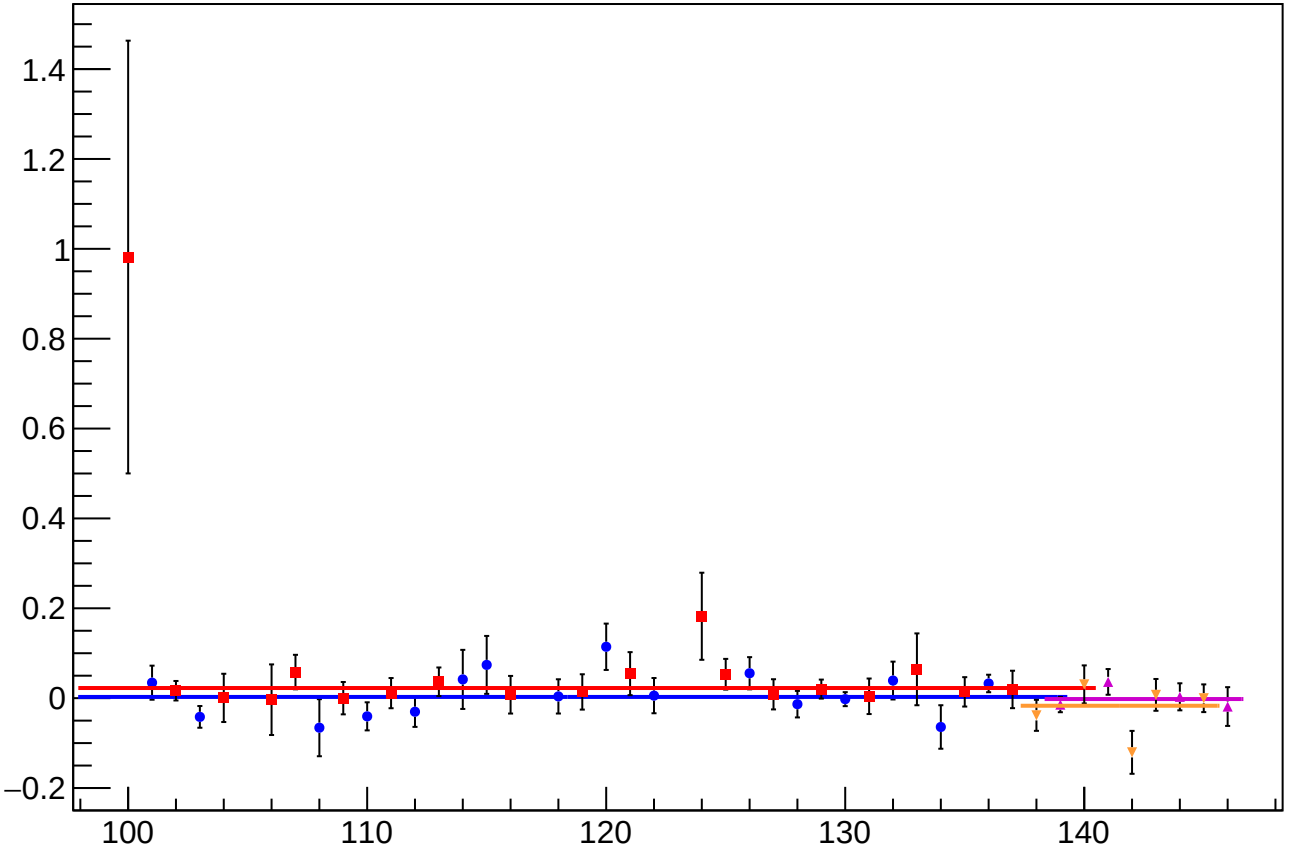
Left In: 21.120+/-0.009 χ^2/NDF:813699.4/3

+ sign 20.941+/-0.005 χ^2/NDF: 2221042.9/20

All: 20.929+/-0.004 χ^2/NDF: 4327040.8/43

- sign 20.918+/-0.005 χ^2/NDF: 2105987.6/22

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.017+/-0.016 χ^2/NDF:7.1/4

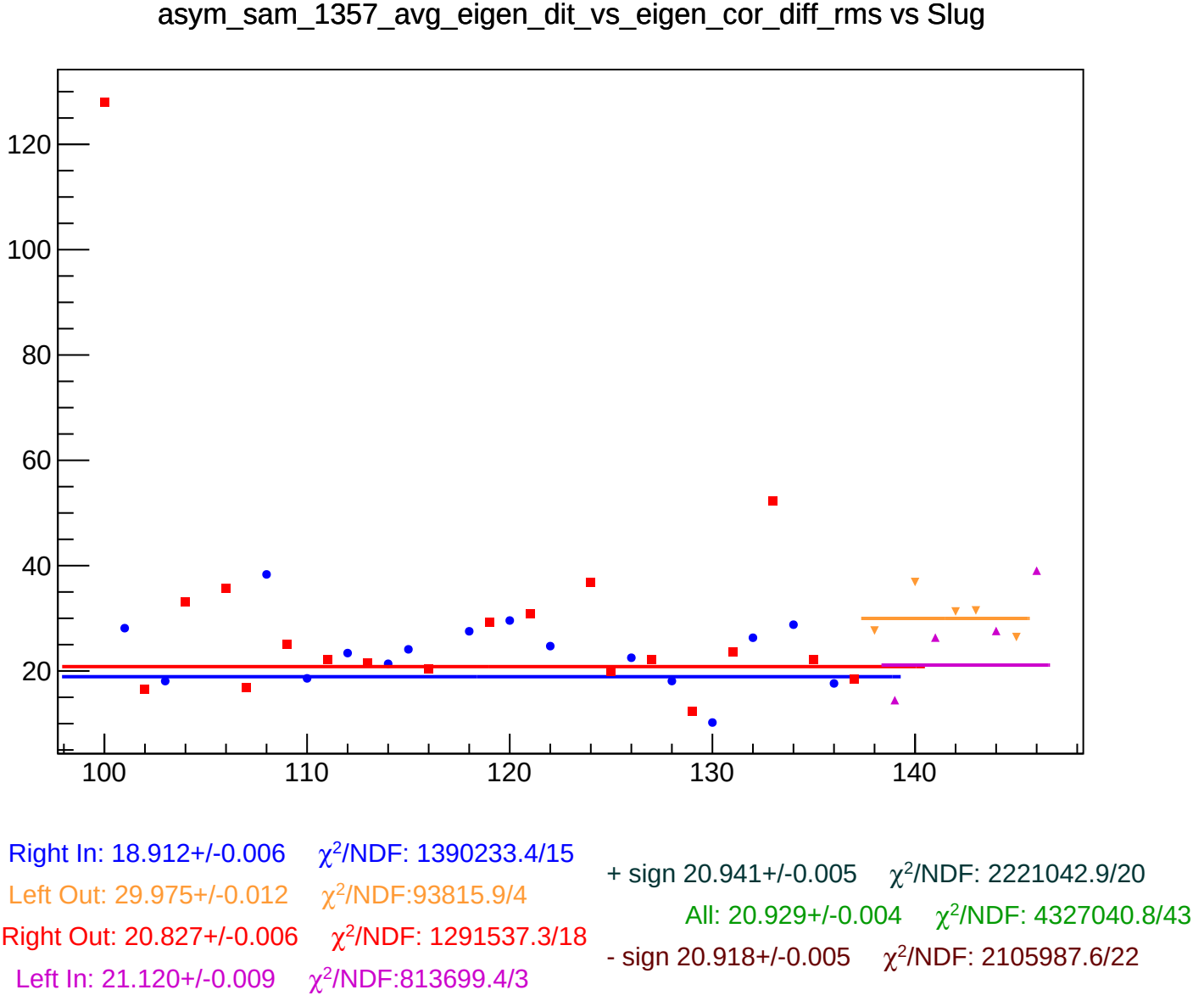
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

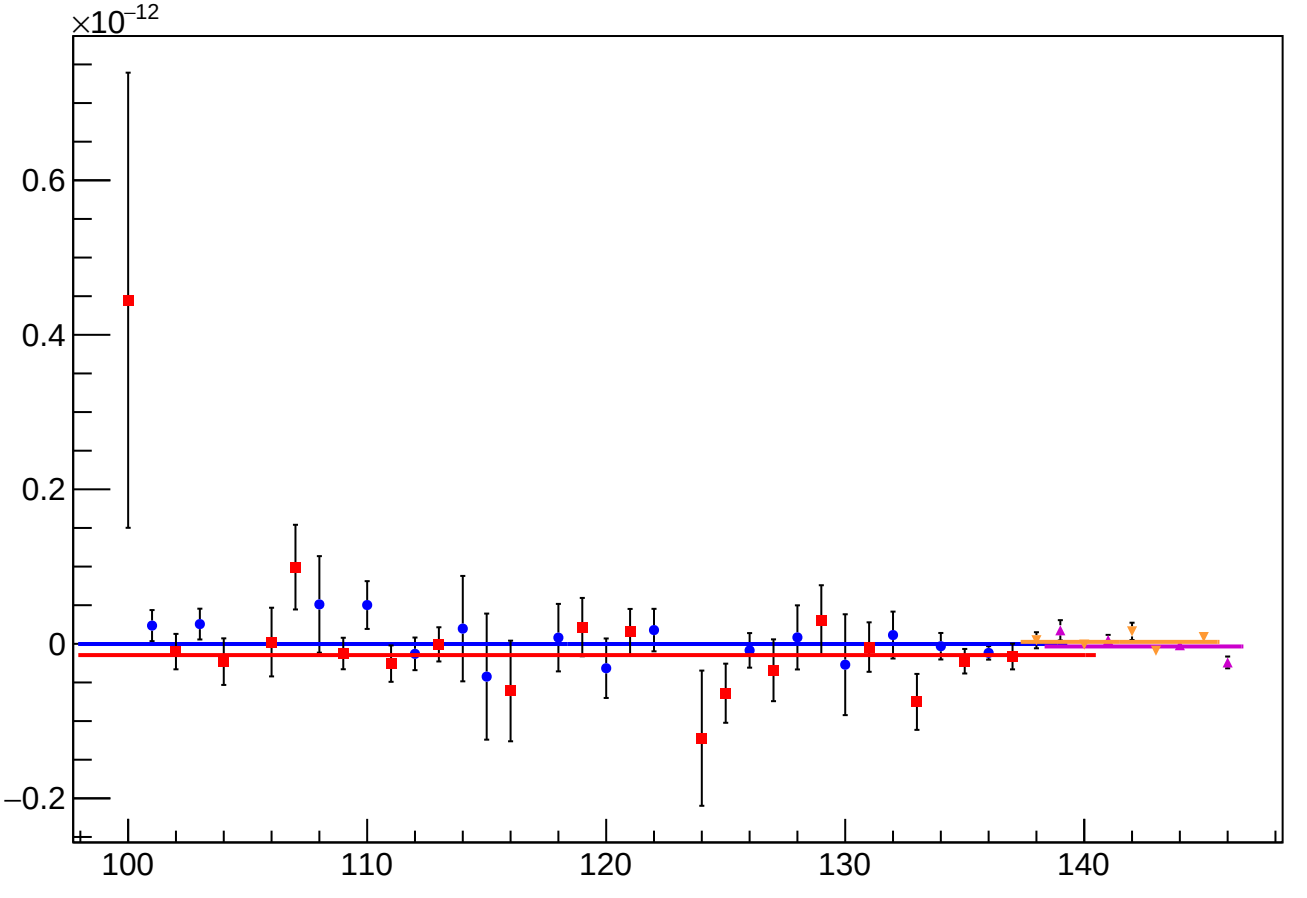
Left In: -0.002+/-0.013 χ^2/NDF:2.5/3

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/20

All: 0.007+/-0.005 χ^2/NDF: 48.6/43

- sign 0.015+/-0.007 χ^2/NDF: 15.9/22


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
Right In: 18.912+/-0.006 χ²/NDF: 1390233.4/15
Left Out: 29.975+/-0.012 χ²/NDF:93815.9/4
Right Out: 20.827+/-0.006 χ²/NDF: 1291537.3/18
Left In: 21.120+/-0.009 χ²/NDF:813699.4/3
+ sign 20.941+/-0.005 χ²/NDF: 2221042.9/20
All: 20.929+/-0.004 χ²/NDF: 4327040.8/43
- sign 20.918+/-0.005 χ²/NDF: 2105987.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

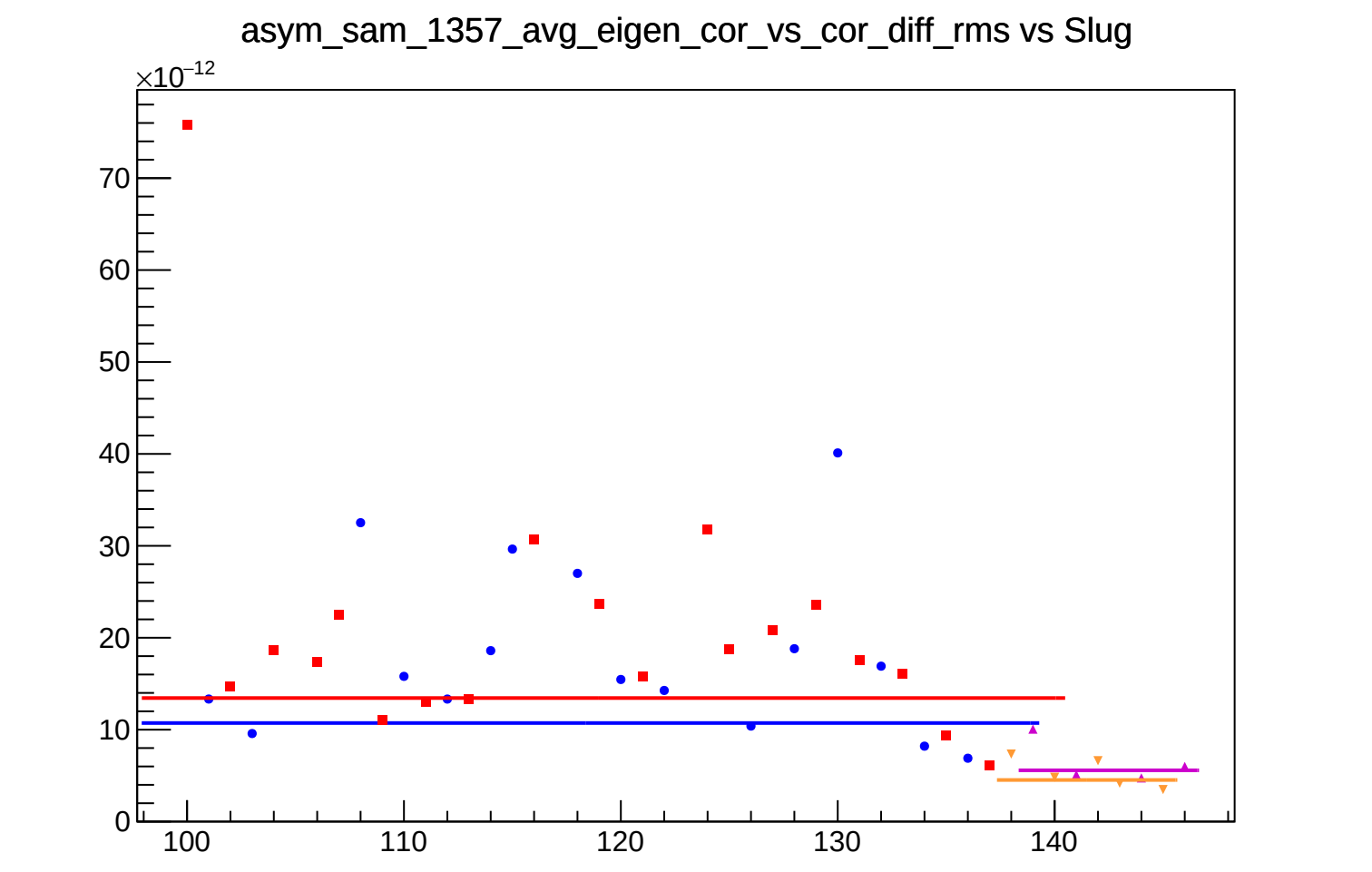
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/3

+ sign 0.000+/-0.000 χ^2/NDF: 17.4/20

All: -0.000+/-0.000 χ^2/NDF: 52.4/43

- sign -0.000+/-0.000 χ^2/NDF: 31.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:315515.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

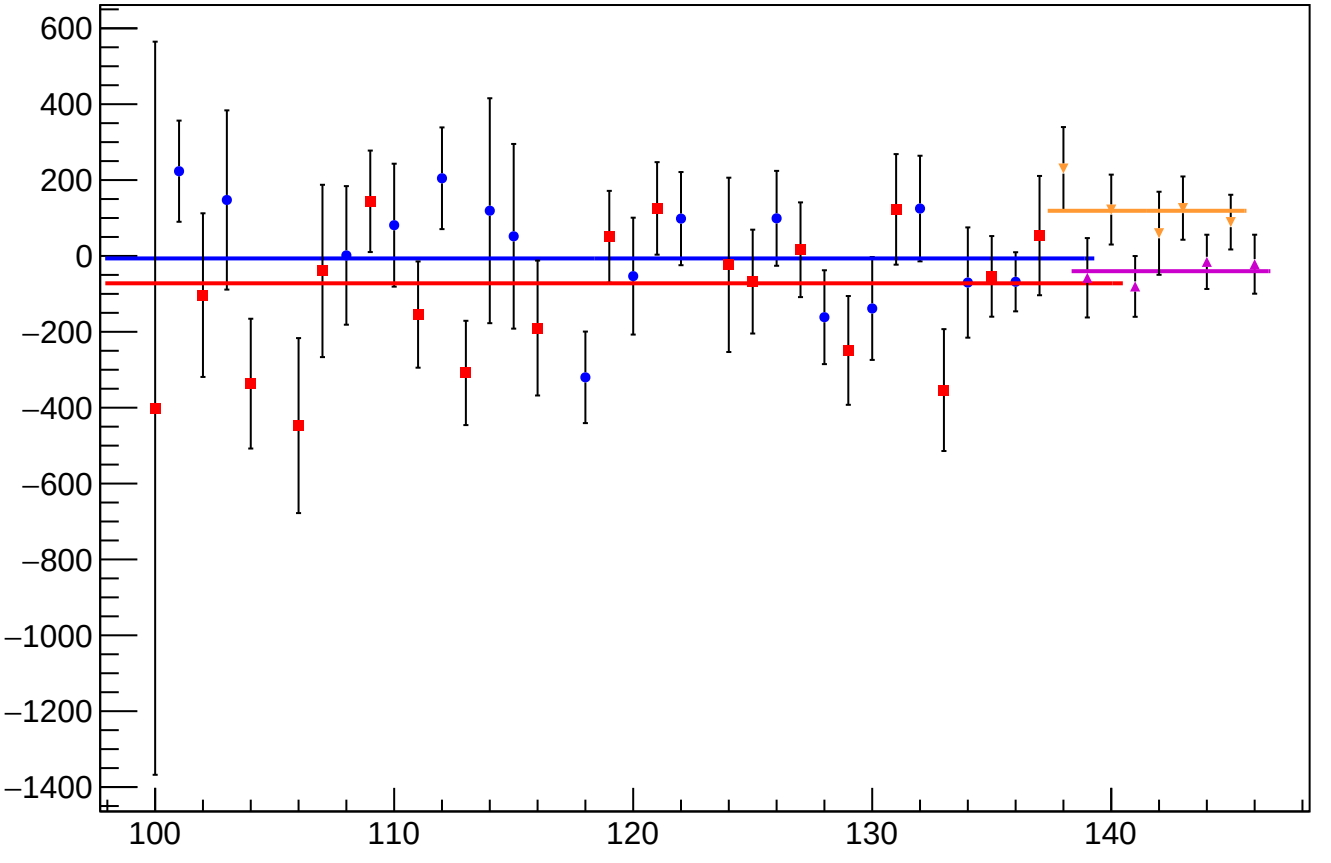
Left In: 0.000+/-0.000 χ^2/NDF:286403.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 4046630.6/20

All: 0.000+/-0.000 χ^2/NDF: 8204842.2/43

- sign 0.000+/-0.000 χ^2/NDF: 3875883.9/22

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 119.013+/-40.131 χ^2/NDF:1.5/4

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

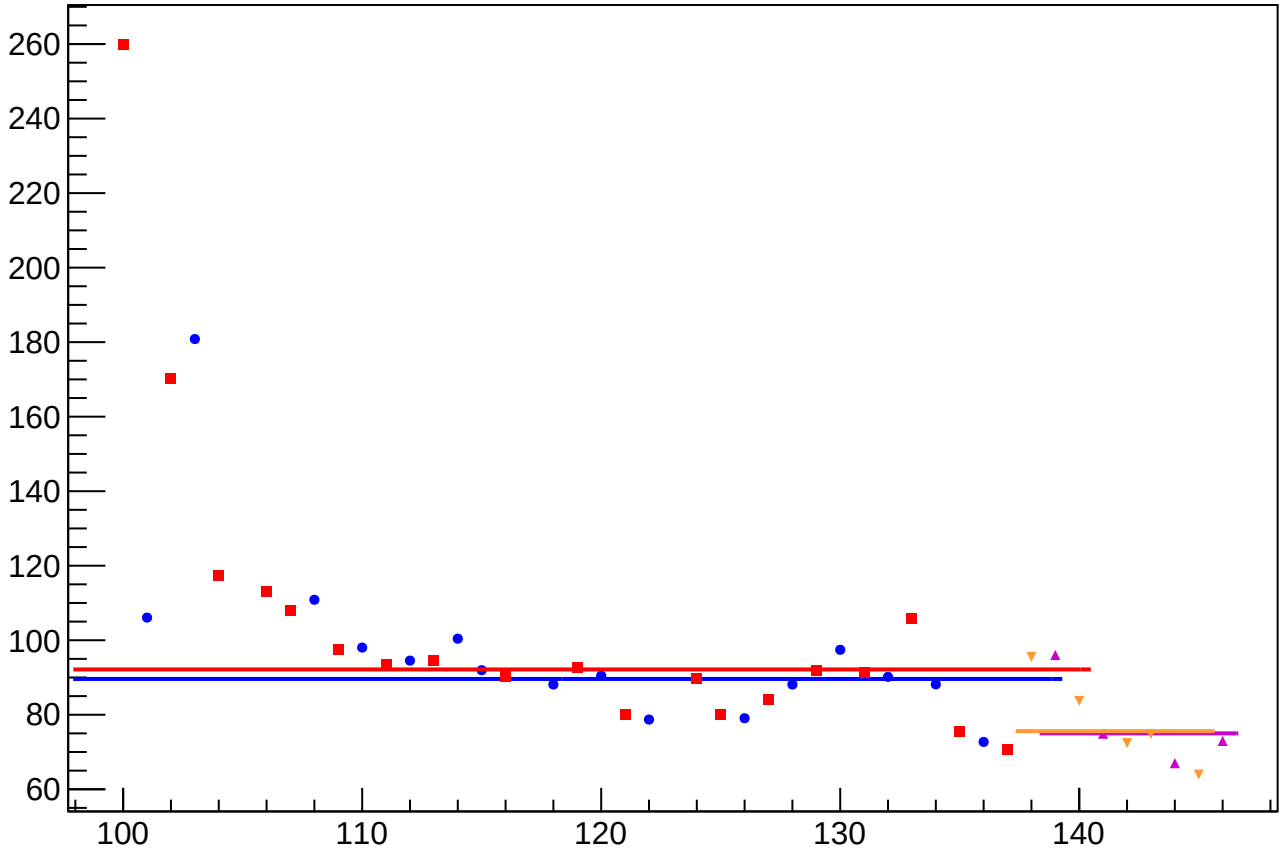
Left In: -40.170+/-40.547 χ^2/NDF:0.5/3

+ sign 46.425+/-26.068 χ^2/NDF: 26.1/20

All: -5.302+/-18.564 χ^2/NDF: 57.7/43

- sign -58.533+/-26.444 χ^2/NDF: 23.6/22

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.594+/-0.028 χ^2/NDF:136041.5/4

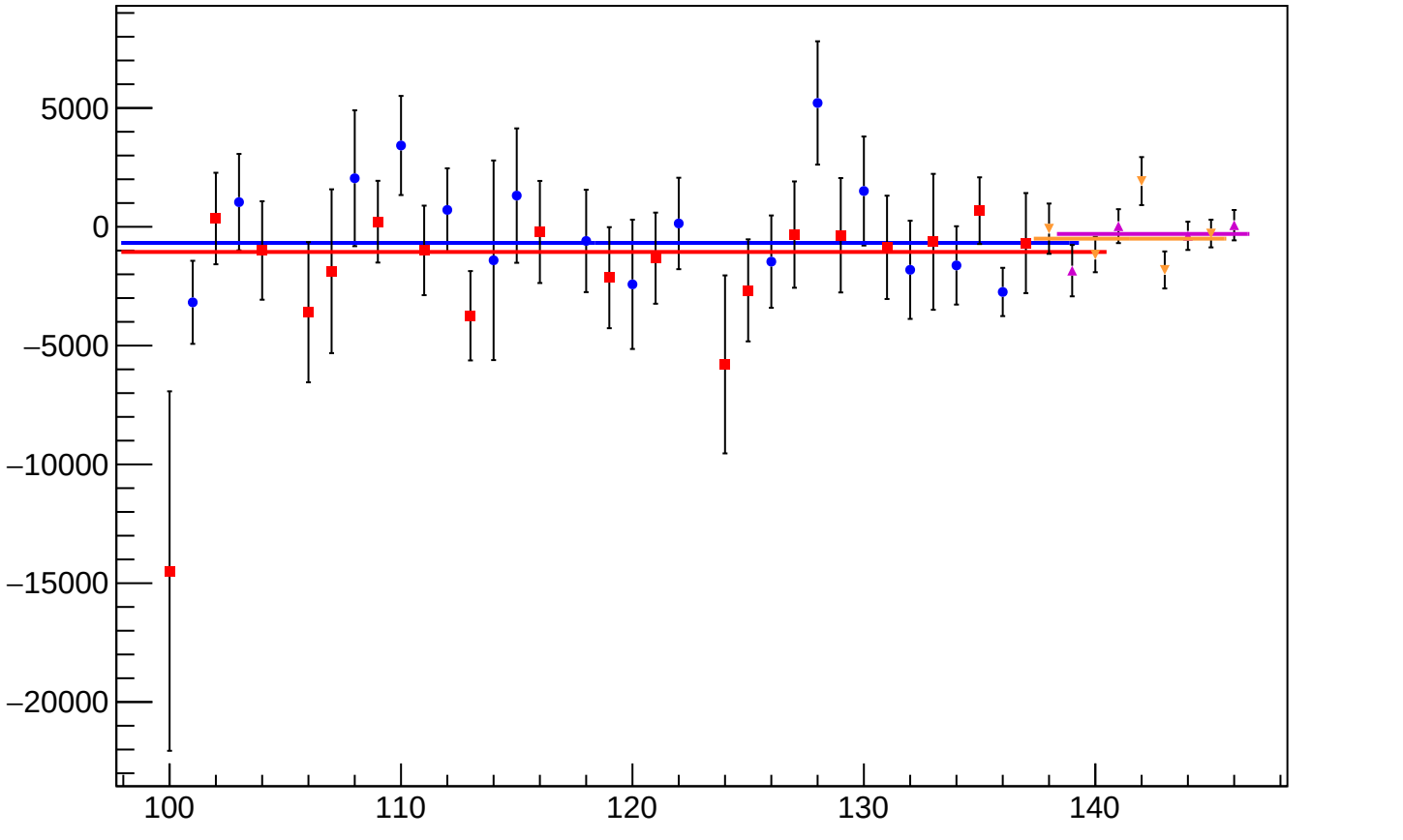
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

+ sign 83.693+/-0.018 χ^2/NDF: 775312.8/20

All: 84.271+/-0.013 χ^2/NDF: 1632272.6/43

- sign 84.866+/-0.019 χ^2/NDF: 854961.2/22



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -499.148+/-347.329 χ^2/NDF:9.7/4

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

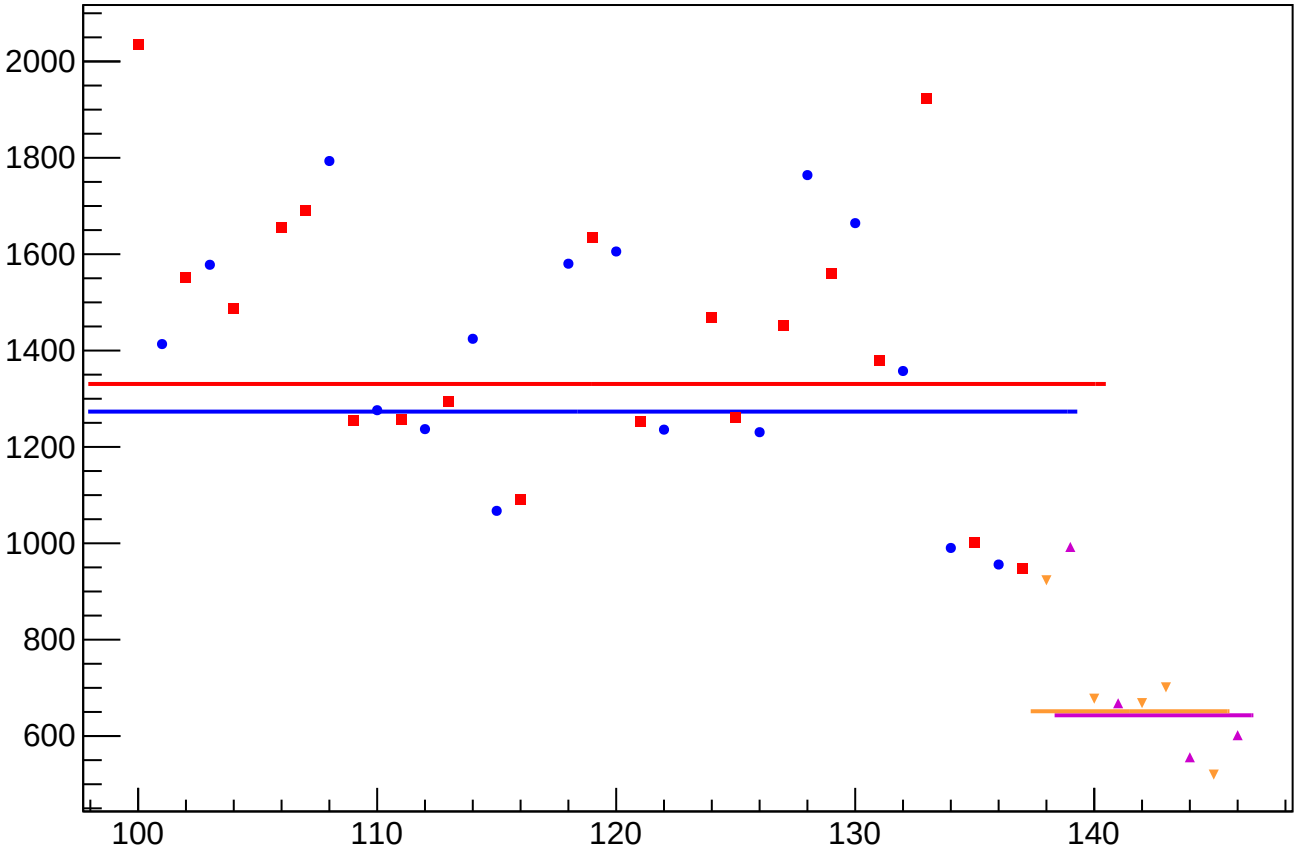
Left In: -300.248+/-351.346 χ^2/NDF:2.6/3

+ sign -559.326+/-282.676 χ^2/NDF: 30.1/20

All: -556.427+/-201.314 χ^2/NDF: 45.7/43

- sign -553.444+/-286.771 χ^2/NDF: 15.6/22

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 651.449+/-0.246 χ^2/NDF:245151.9/4

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

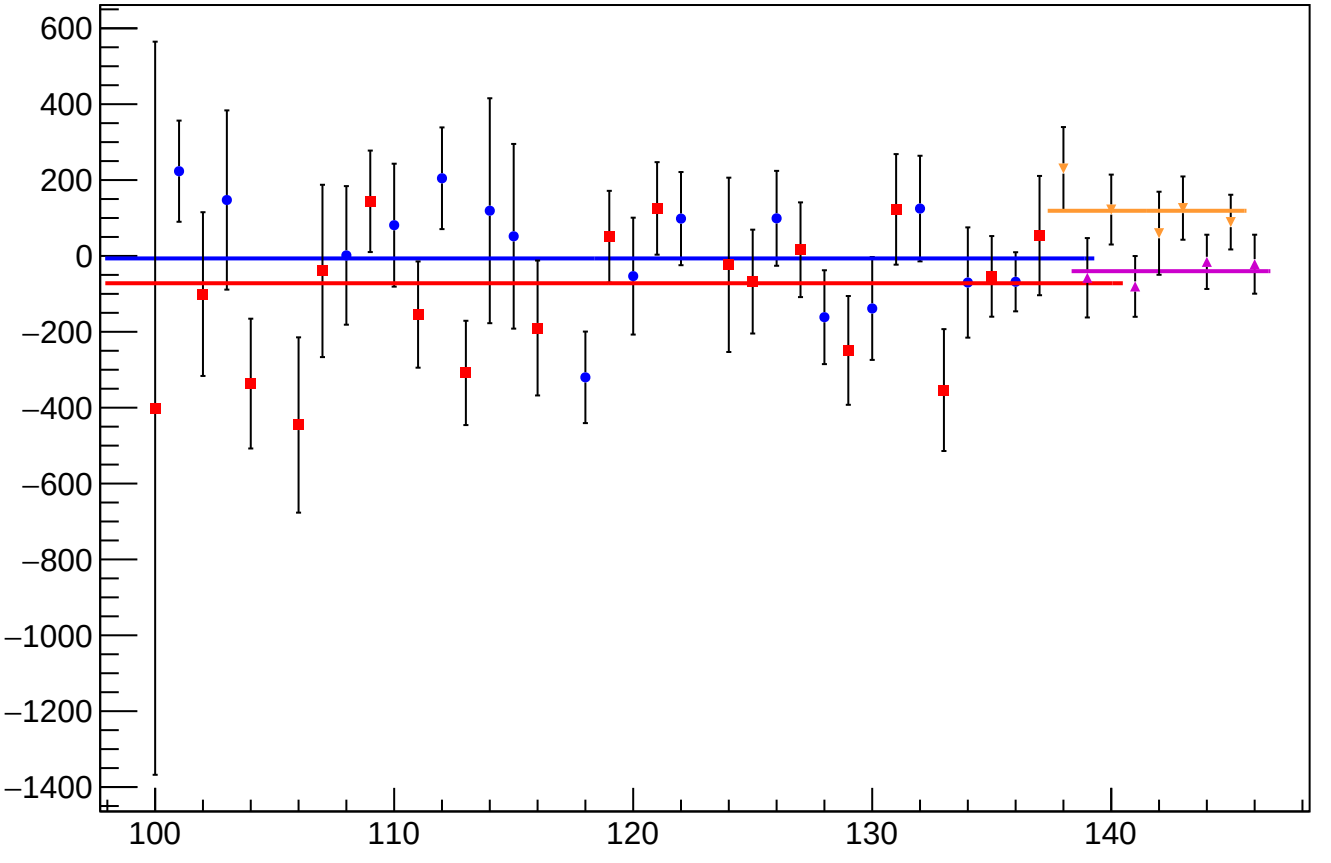
Left In: 643.087+/-0.248 χ^2/NDF:262601.4/3

+ sign 861.416+/-0.200 χ^2/NDF: 3007401.9/20

All: 866.933+/-0.142 χ^2/NDF: 6299199.9/43

- sign 872.611+/-0.203 χ^2/NDF: 3290252.3/22

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 119.025+/-40.131 χ^2/NDF:1.5/4

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

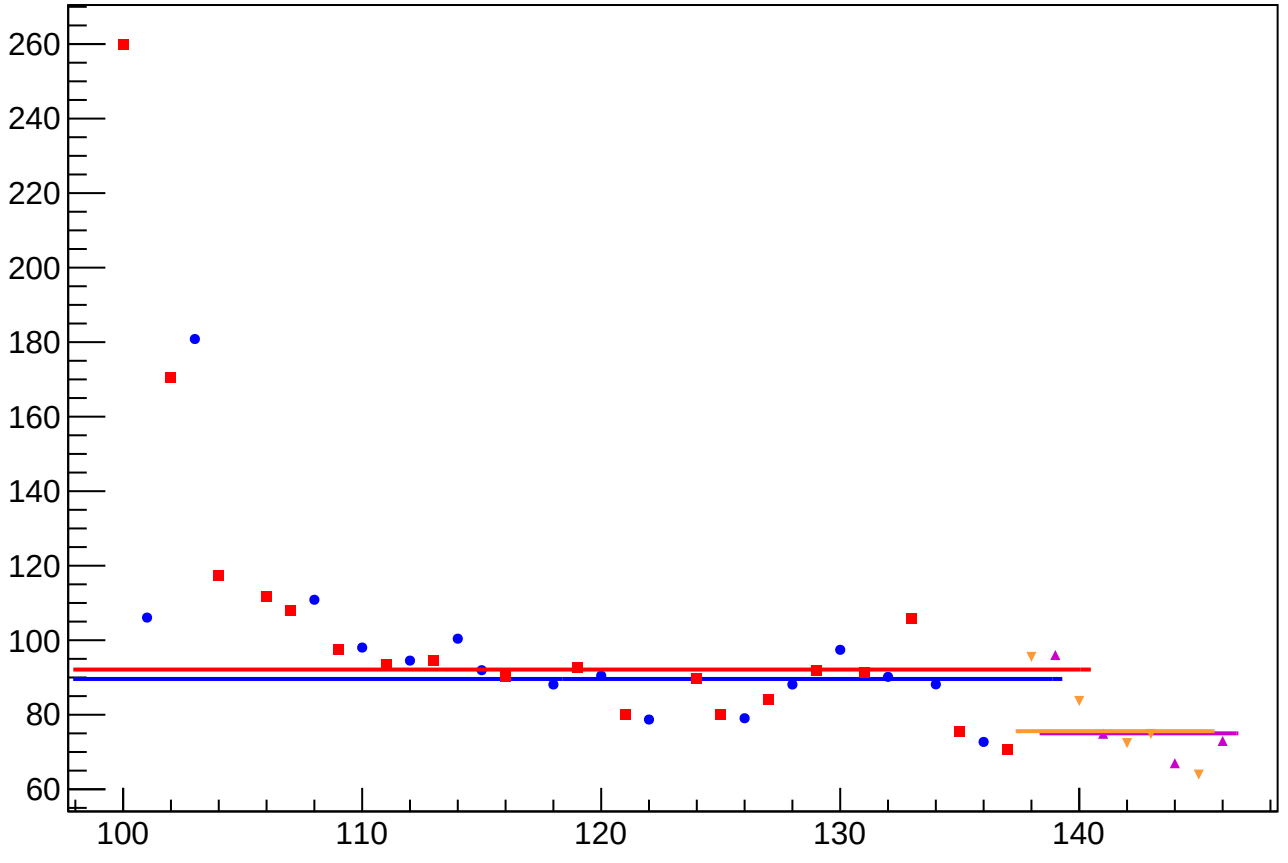
Left In: -40.179+/-40.547 χ^2/NDF:0.5/3

+ sign 46.425+/-26.068 χ^2/NDF: 26.1/20

All: -5.262+/-18.565 χ^2/NDF: 57.6/43

- sign -58.454+/-26.445 χ^2/NDF: 23.6/22

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.594+/-0.028 χ^2/NDF:136041.5/4

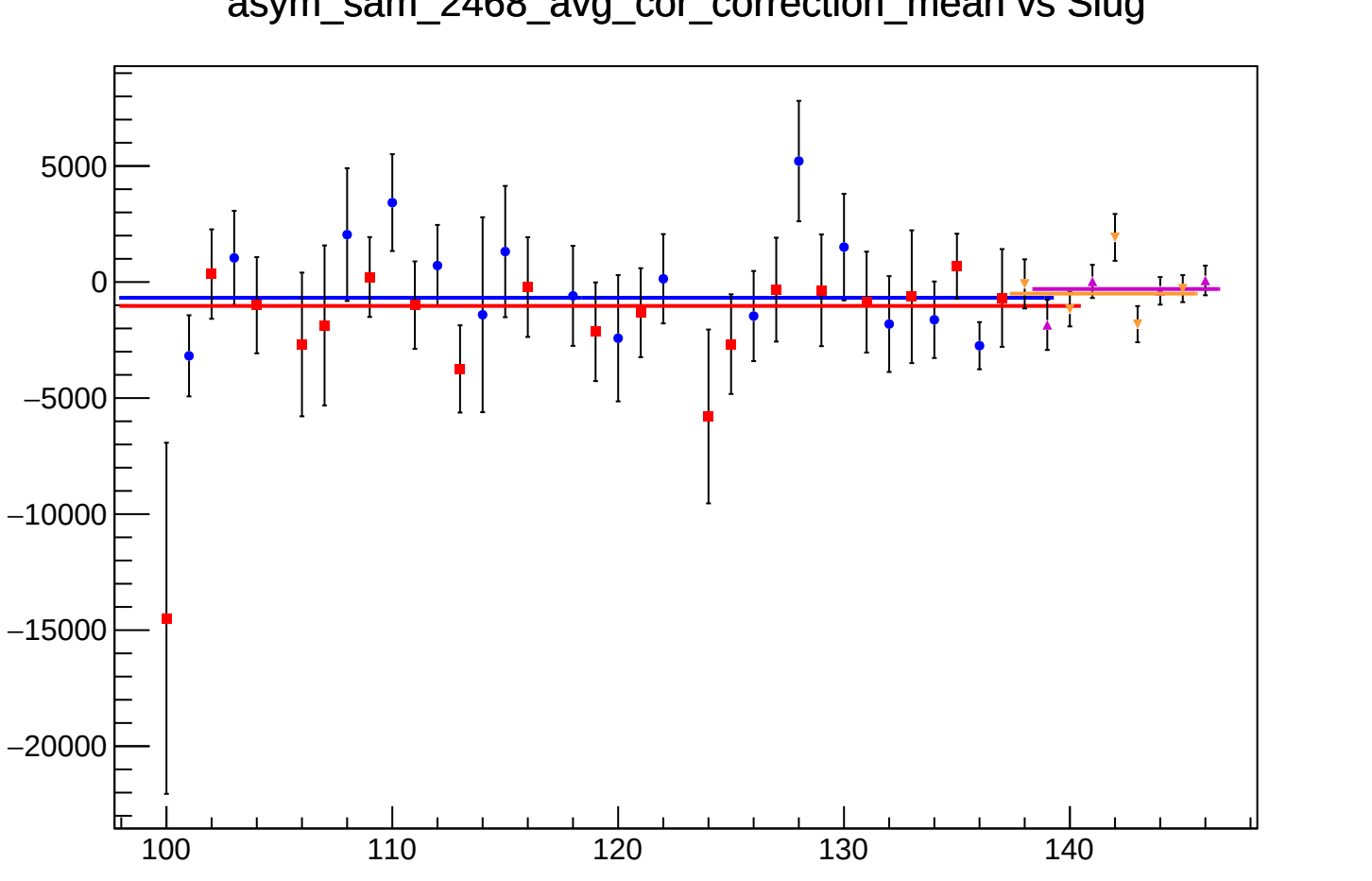
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

+ sign 83.693+/-0.018 χ^2/NDF: 775316.4/20

All: 84.262+/-0.013 χ^2/NDF: 1629675.8/43

- sign 84.848+/-0.019 χ^2/NDF: 852424.1/22



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -499.137+/-347.328 χ^2/NDF:9.7/4

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

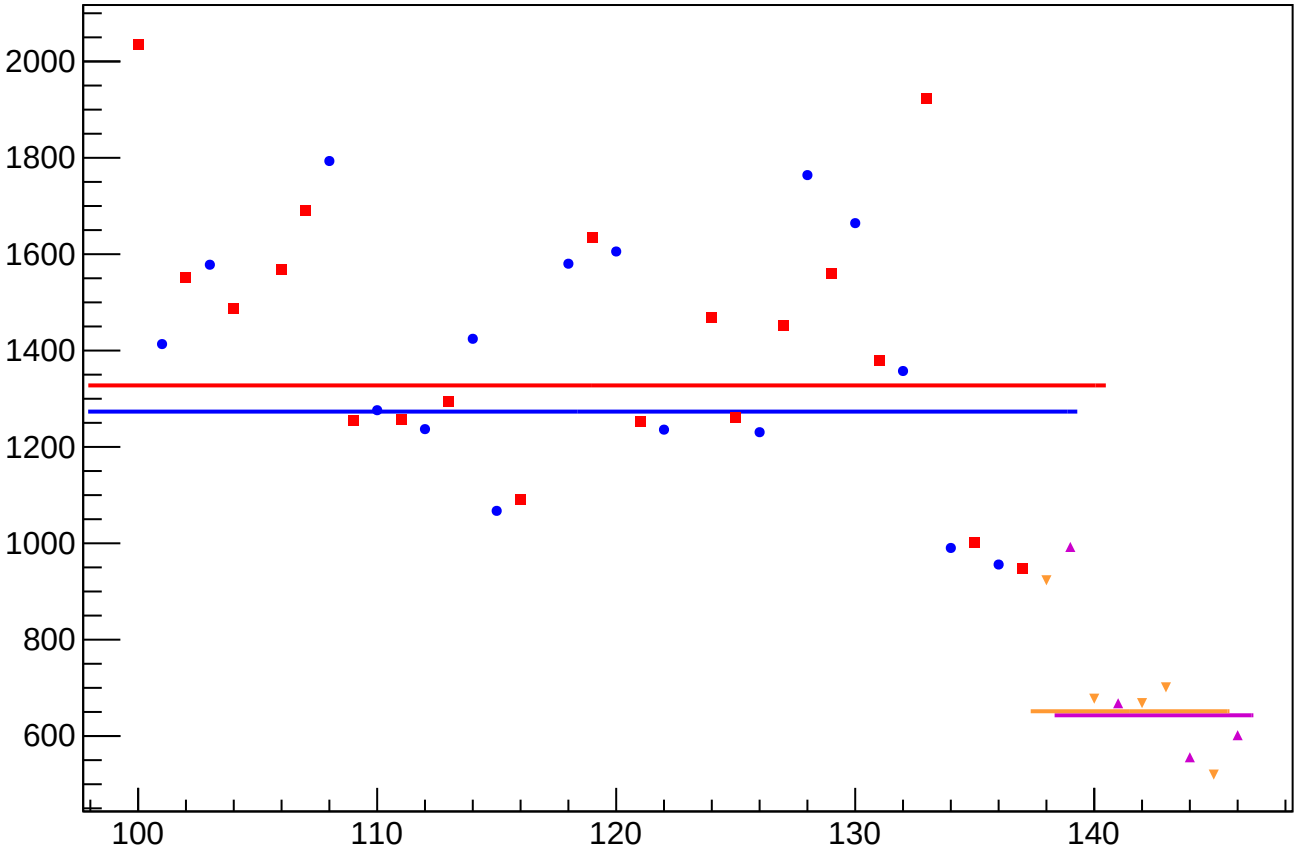
Left In: -300.255+/-351.346 χ^2/NDF:2.6/3

+ sign -559.306+/-282.676 χ^2/NDF: 30.1/20

All: -551.378+/-201.359 χ^2/NDF: 45.1/43

- sign -543.210+/-286.900 χ^2/NDF: 15.0/22

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 651.448+/-0.246 χ^2/NDF:245151.8/4

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

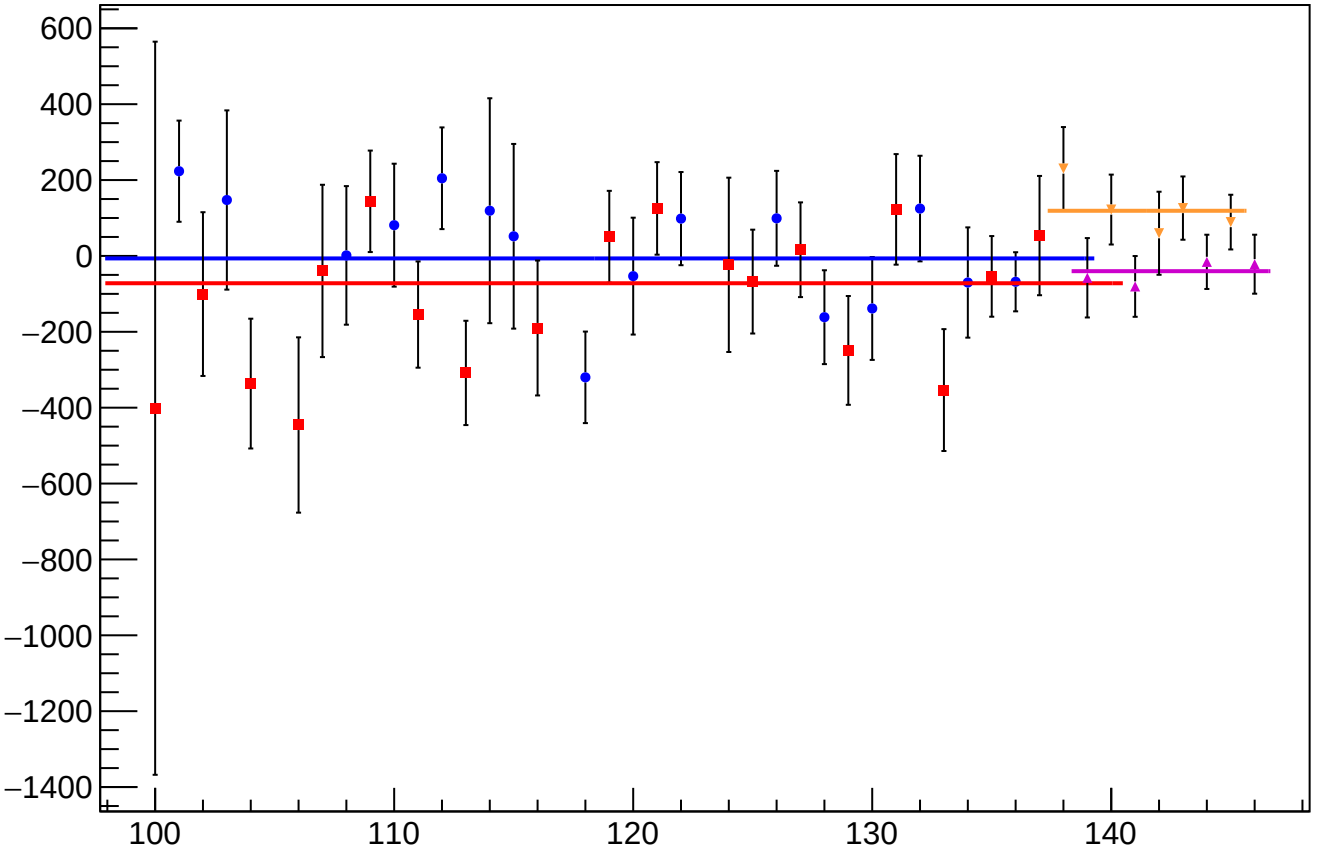
Left In: 643.087+/-0.248 χ^2/NDF:262600.7/3

+ sign 861.416+/-0.200 χ^2/NDF: 3007447.5/20

All: 866.232+/-0.142 χ^2/NDF: 6259685.0/43

- sign 871.193+/-0.203 χ^2/NDF: 3251058.9/22

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 119.025+/-40.131 χ^2/NDF:1.5/4

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

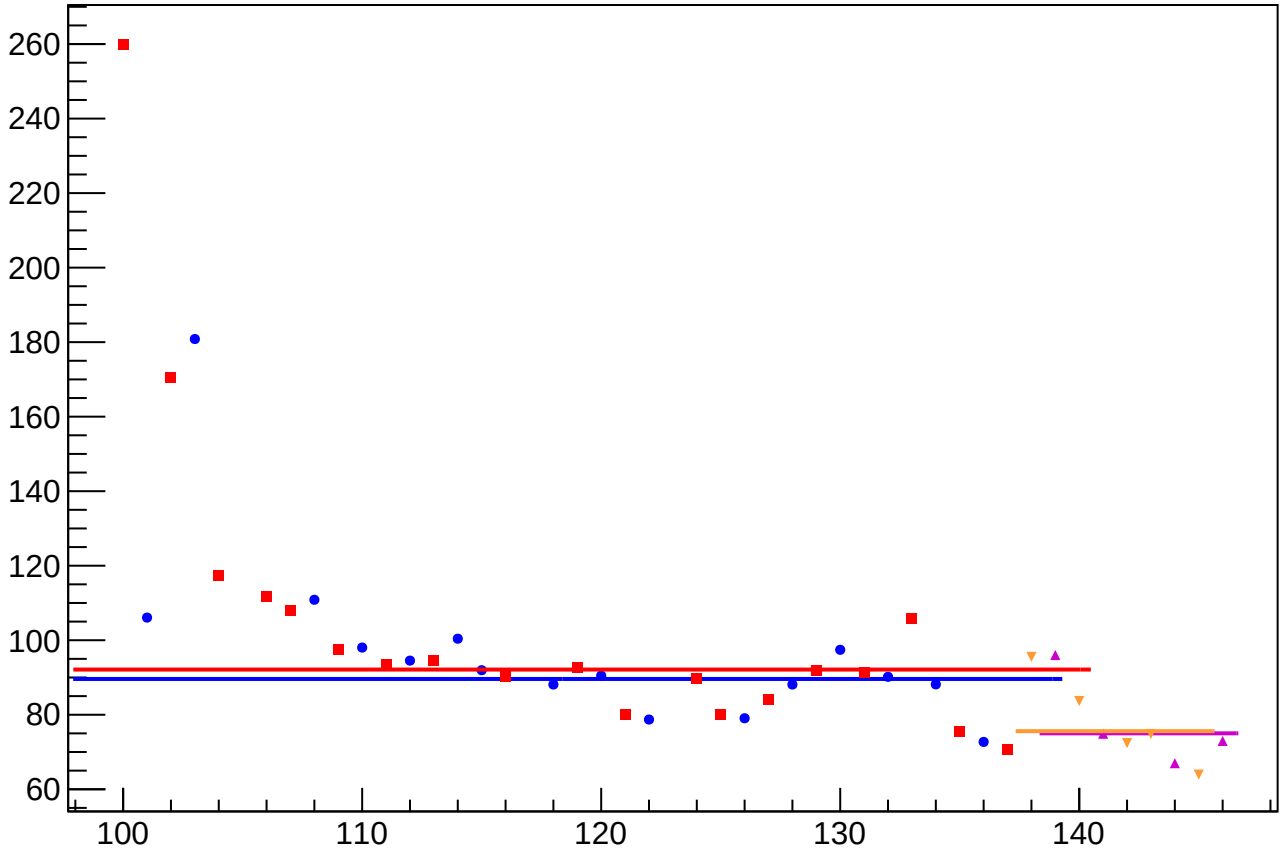
Left In: -40.179+/-40.547 χ^2/NDF:0.5/3

+ sign 46.425+/-26.068 χ^2/NDF: 26.1/20

All: -5.262+/-18.565 χ^2/NDF: 57.6/43

- sign -58.454+/-26.445 χ^2/NDF: 23.6/22

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.594+/-0.028 χ^2/NDF:136041.5/4

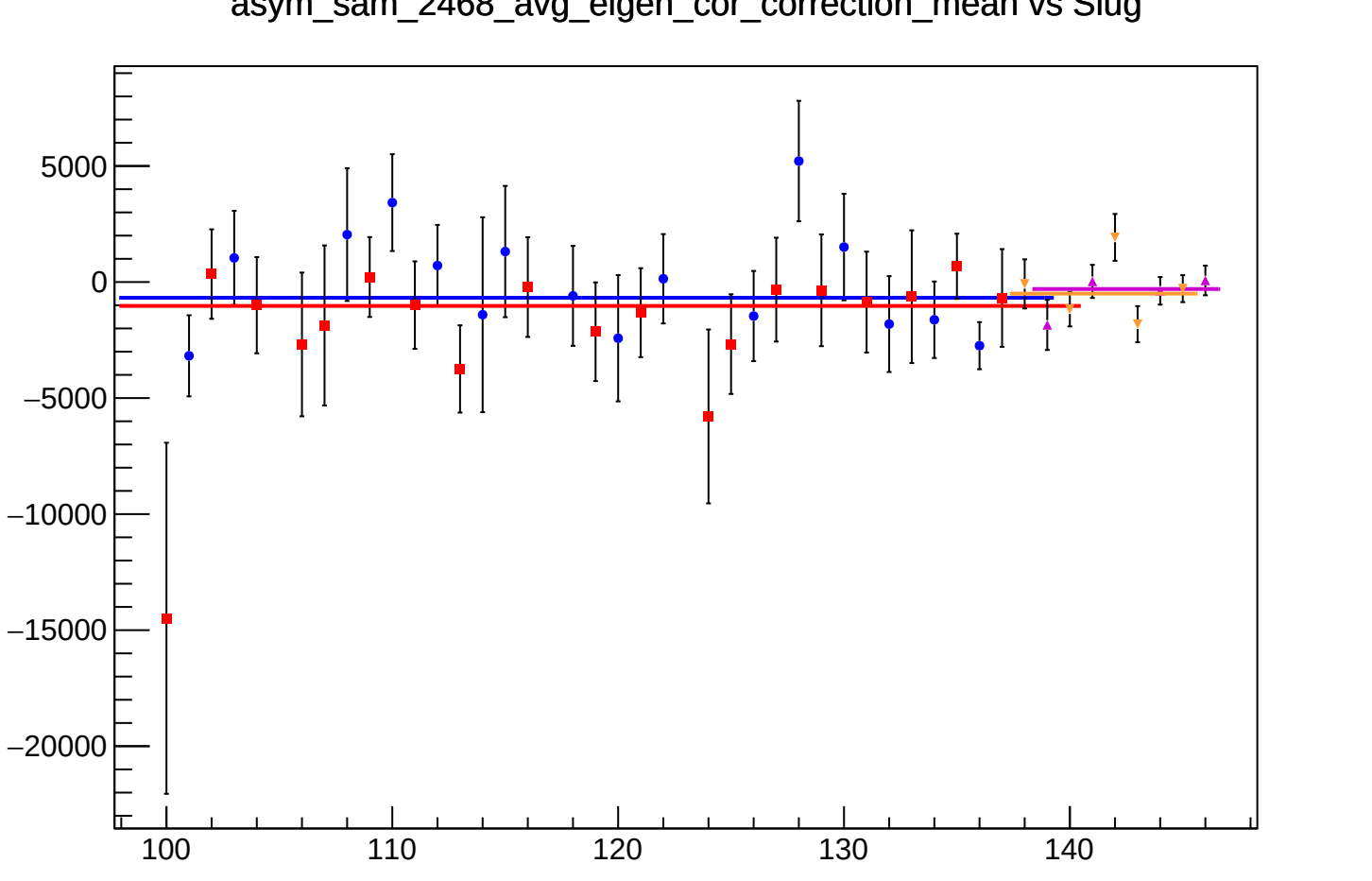
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

+ sign 83.693+/-0.018 χ^2/NDF: 775316.4/20

All: 84.262+/-0.013 χ^2/NDF: 1629675.8/43

- sign 84.848+/-0.019 χ^2/NDF: 852424.1/22



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -499.137+/-347.328 χ^2/NDF:9.7/4

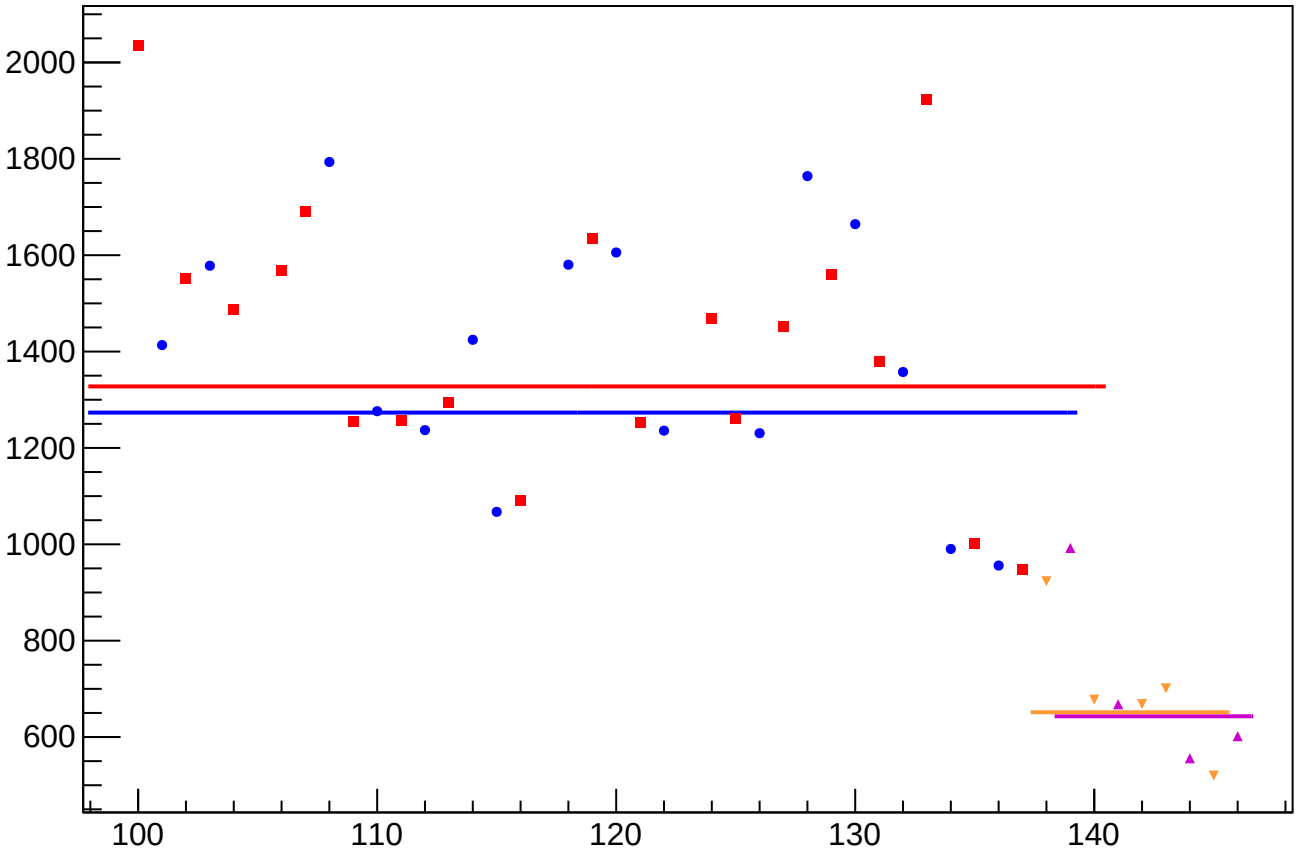
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -300.255+/-351.346 χ^2/NDF:2.6/3

+ sign -559.306+/-282.676 χ^2/NDF: 30.1/20

All: -551.378+/-201.359 χ^2/NDF: 45.1/43

- sign -543.210+/-286.900 χ^2/NDF: 15.0/22



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 651.448+/-0.246 χ^2/NDF:245151.8/4

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

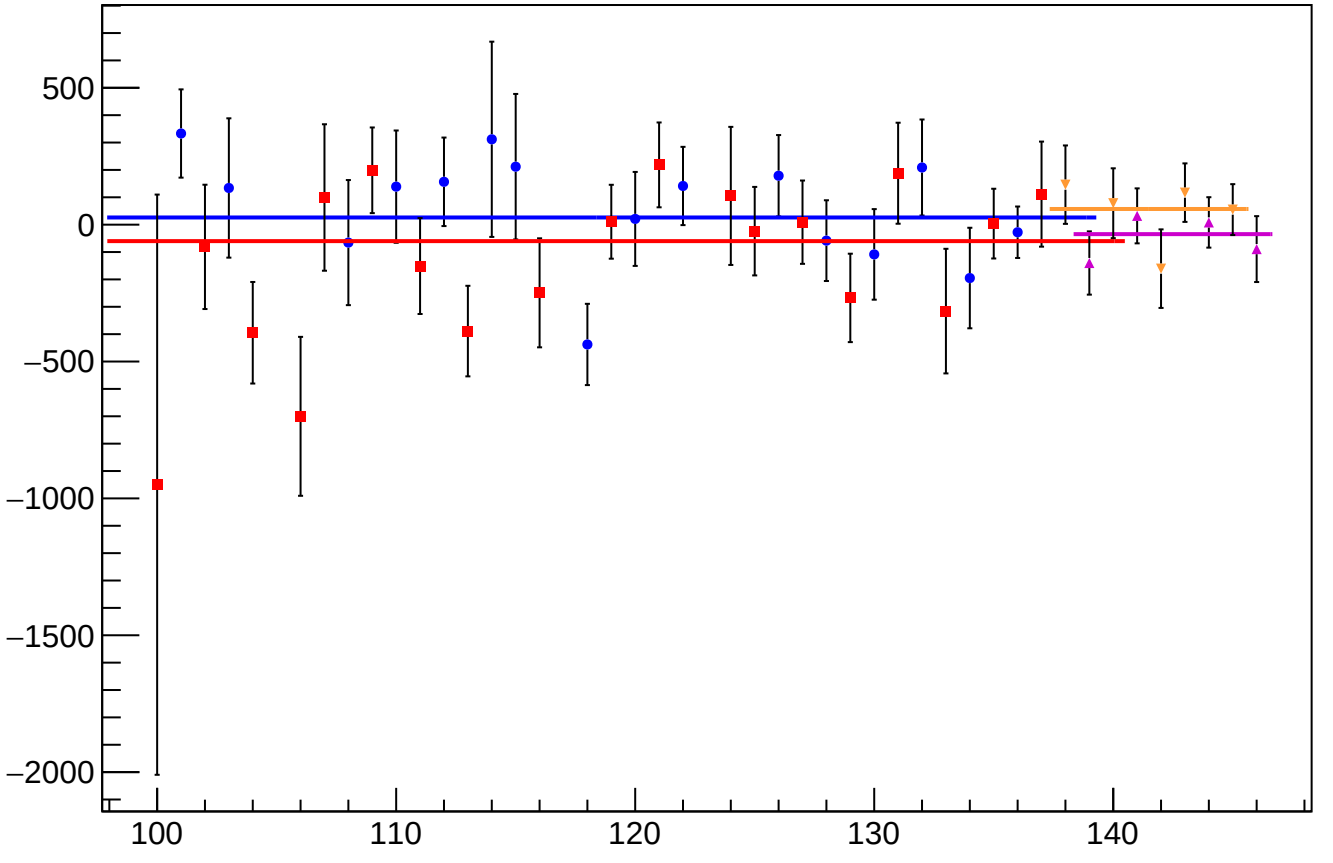
Left In: 643.087+/-0.248 χ^2/NDF:262600.7/3

+ sign 861.416+/-0.200 χ^2/NDF: 3007447.5/20

All: 866.232+/-0.142 χ^2/NDF: 6259685.0/43

- sign 871.193+/-0.203 χ^2/NDF: 3251058.9/22

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 57.295+/-52.557 χ^2/NDF:3.0/4

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

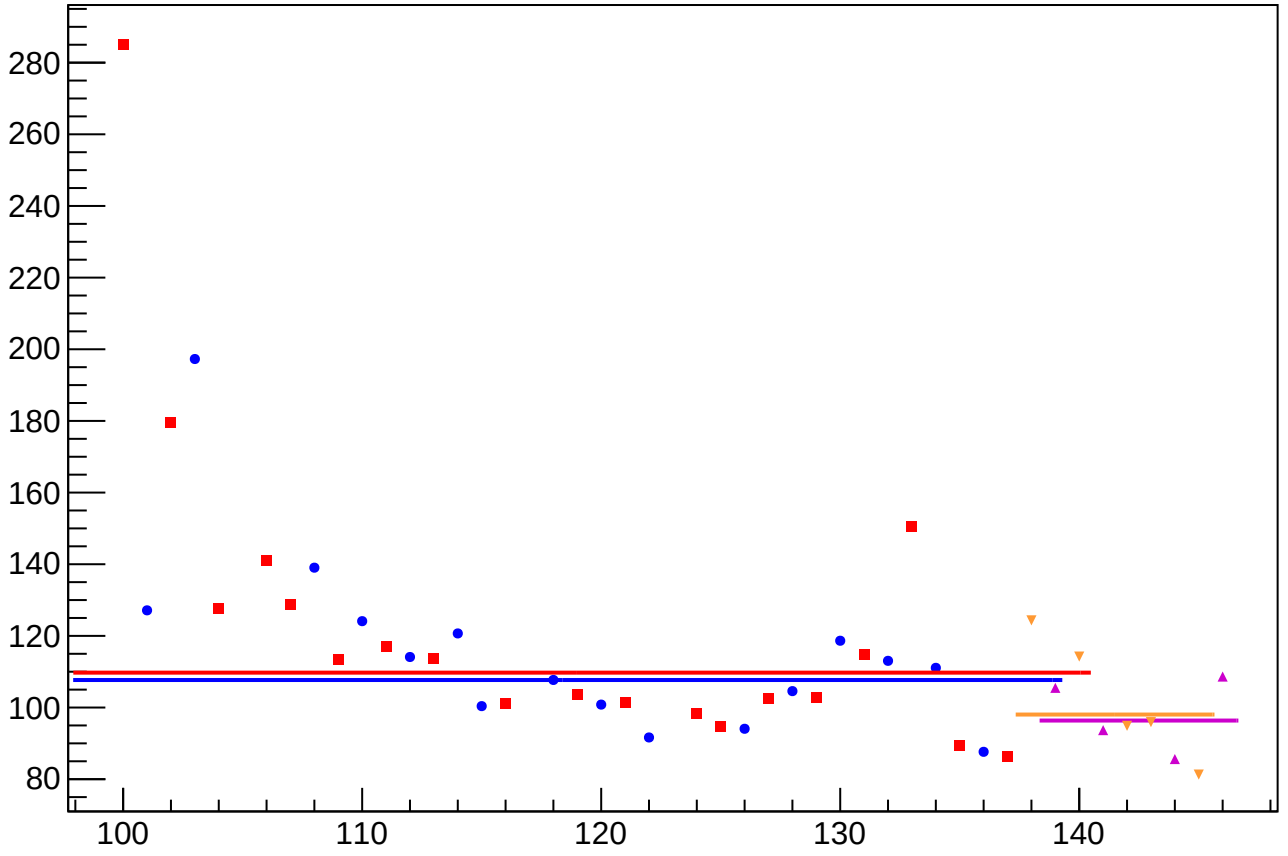
Left In: -34.600+/-52.636 χ^2/NDF:1.7/3

\+ sign 38.074+/-32.434 χ^2/NDF: 24.6/20

All: -5.898+/-22.994 χ^2/NDF: 57.2/43

\- sign -50.329+/-32.603 χ^2/NDF: 28.8/22

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 98.044+/-0.037 χ^2/NDF:166228.7/4

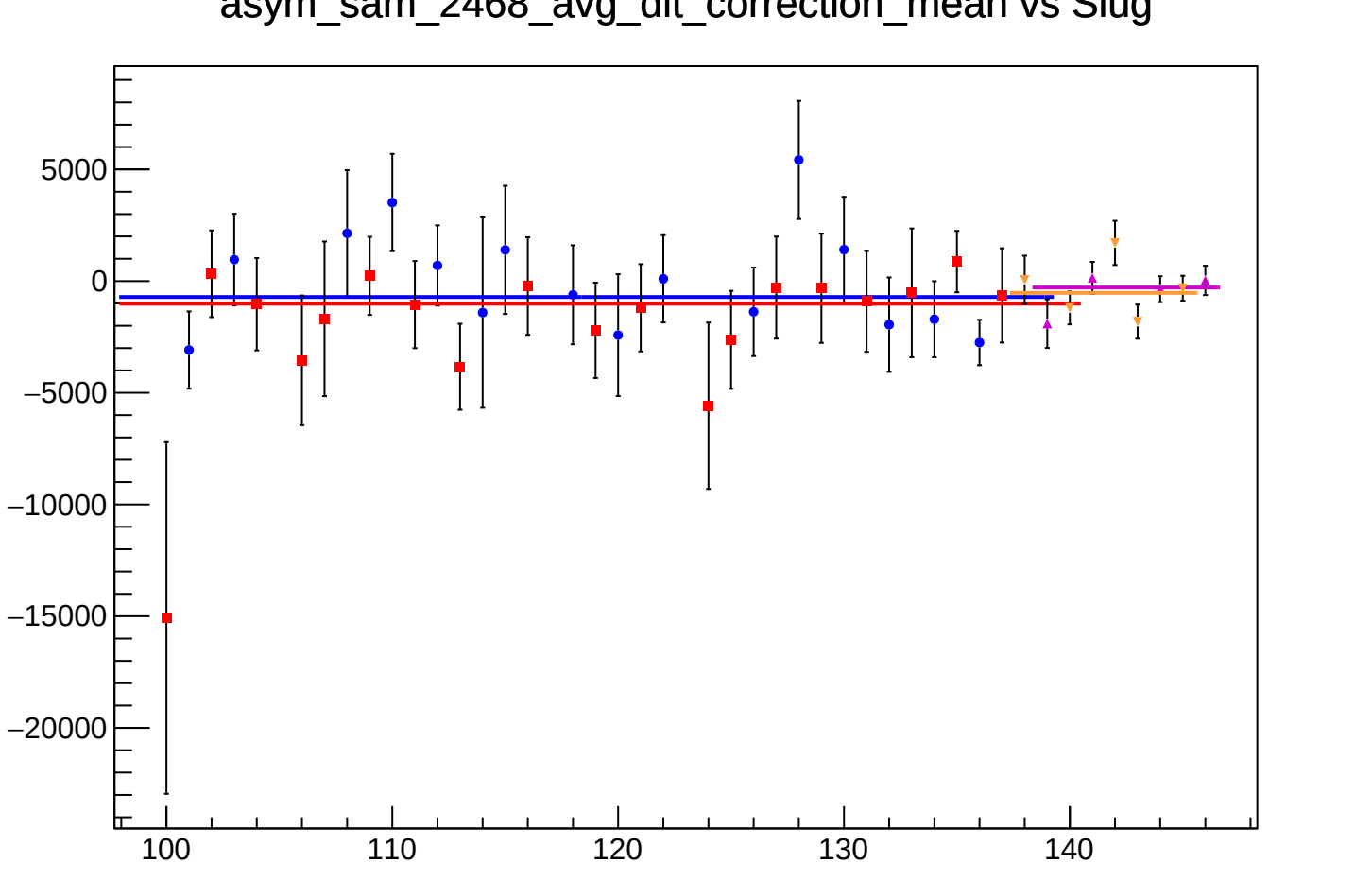
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 96.367+/-0.037 χ^2/NDF:61939.8/3

+ sign 104.010+/-0.023 χ^2/NDF: 690982.5/20

All: 104.308+/-0.016 χ^2/NDF: 1324609.0/43

- sign 104.609+/-0.023 χ^2/NDF: 633287.0/22



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -526.428+/-339.794 χ^2/NDF:9.2/4

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

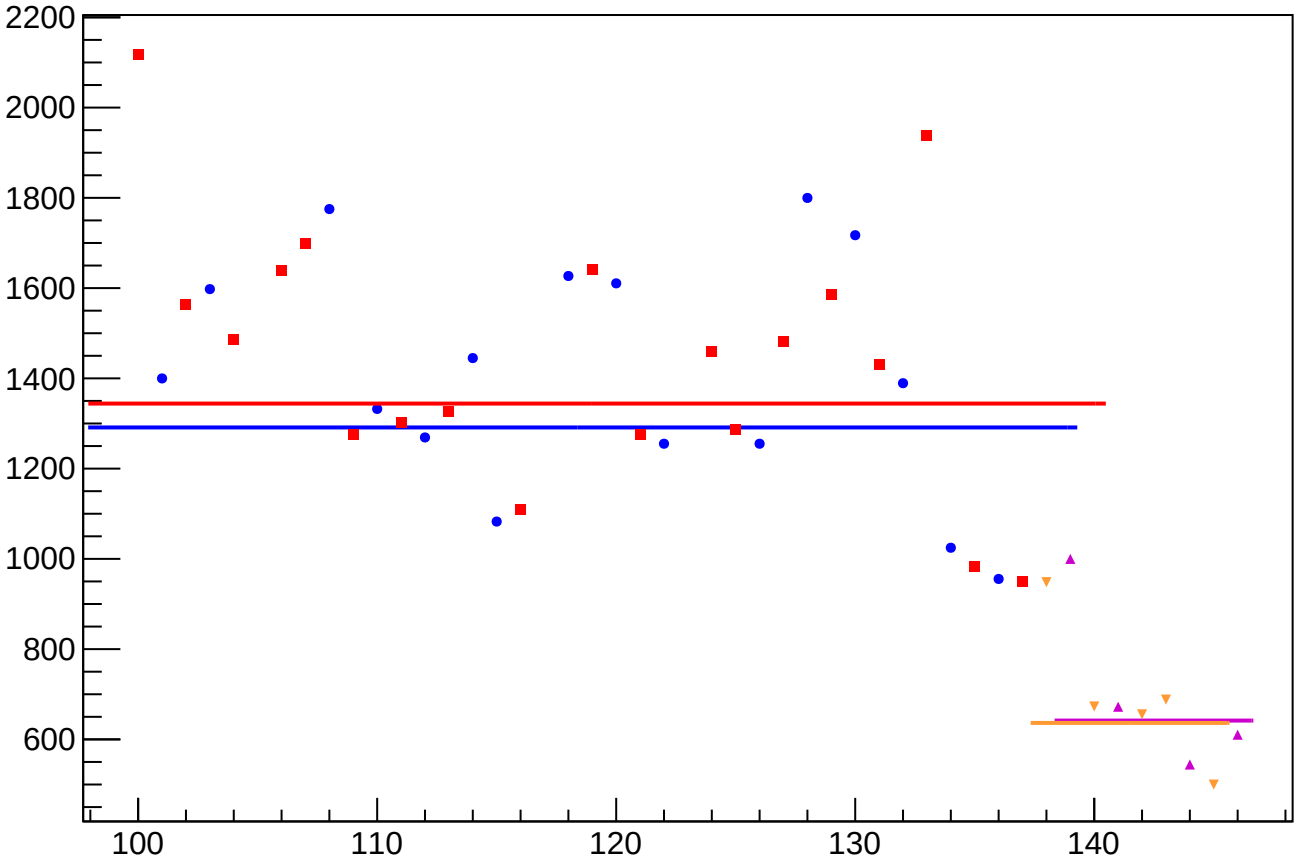
Left In: -287.588+/-351.977 χ^2/NDF:2.8/3

+ sign -586.436+/-279.824 χ^2/NDF: 29.4/20

All: -557.225+/-200.719 χ^2/NDF: 45.4/43

- sign -526.266+/-288.076 χ^2/NDF: 16.0/22

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 636.473+/-0.240 χ^2/NDF:301257.7/4

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

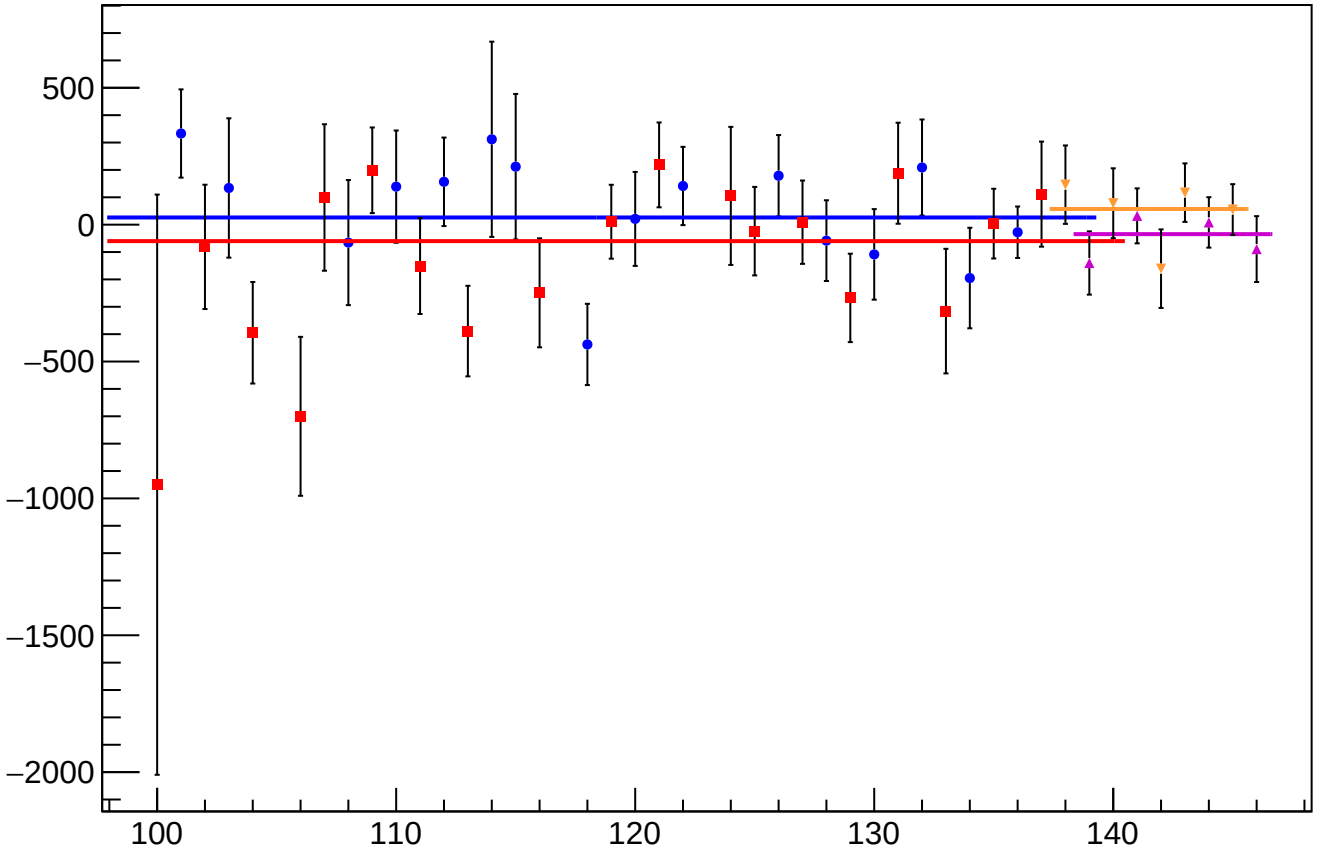
Left In: 641.725+/-0.249 χ^2/NDF:280550.6/3

+ sign 847.193+/-0.198 χ^2/NDF: 3302048.2/20

All: 860.018+/-0.142 χ^2/NDF: 6711597.8/43

- sign 873.610+/-0.204 χ^2/NDF: 3400896.2/22

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 57.294+/-52.557 χ^2/NDF:3.0/4

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

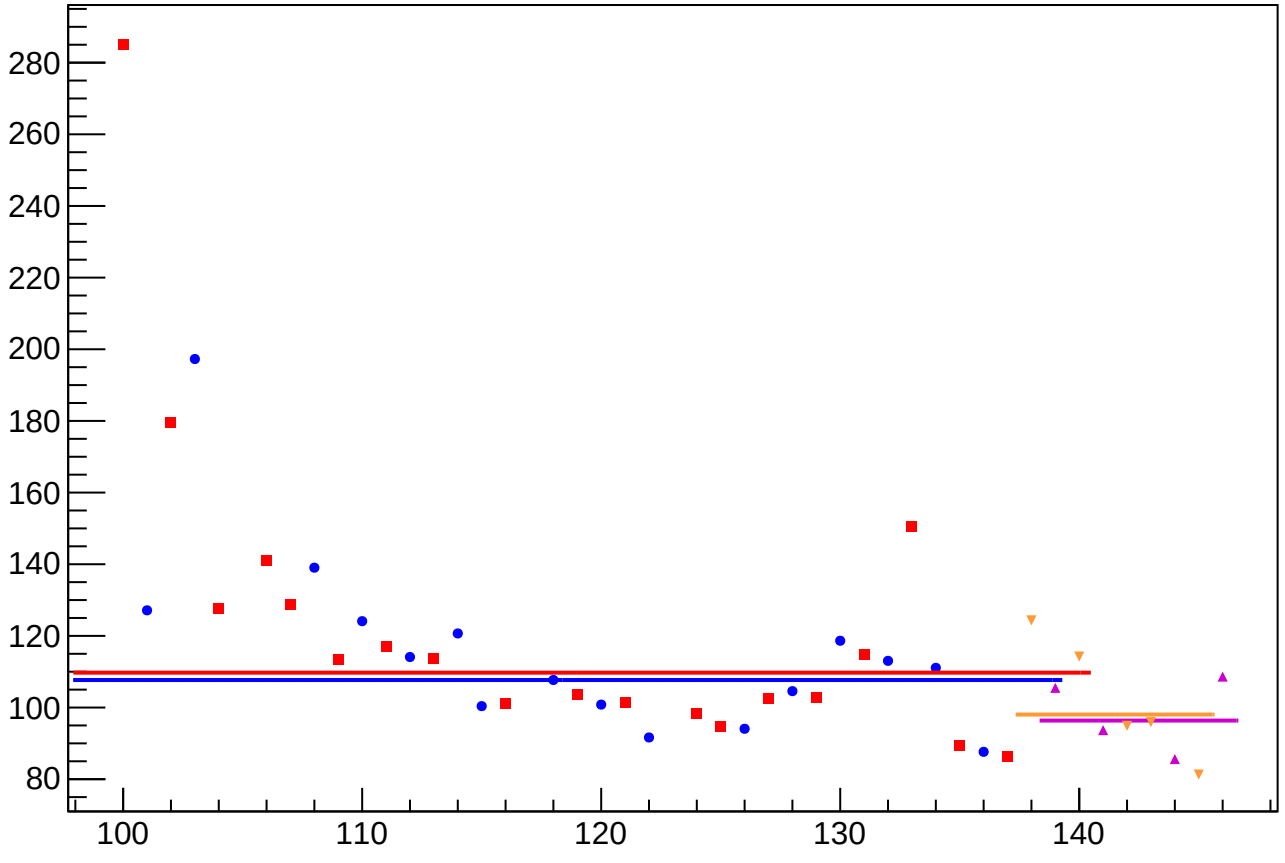
Left In: -34.600+/-52.636 χ^2/NDF:1.7/3

\+ sign 38.074+/-32.434 χ^2/NDF: 24.6/20

All: -5.898+/-22.994 χ^2/NDF: 57.2/43

\- sign -50.328+/-32.603 χ^2/NDF: 28.8/22

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 98.044+/-0.037 χ^2/NDF:166215.6/4

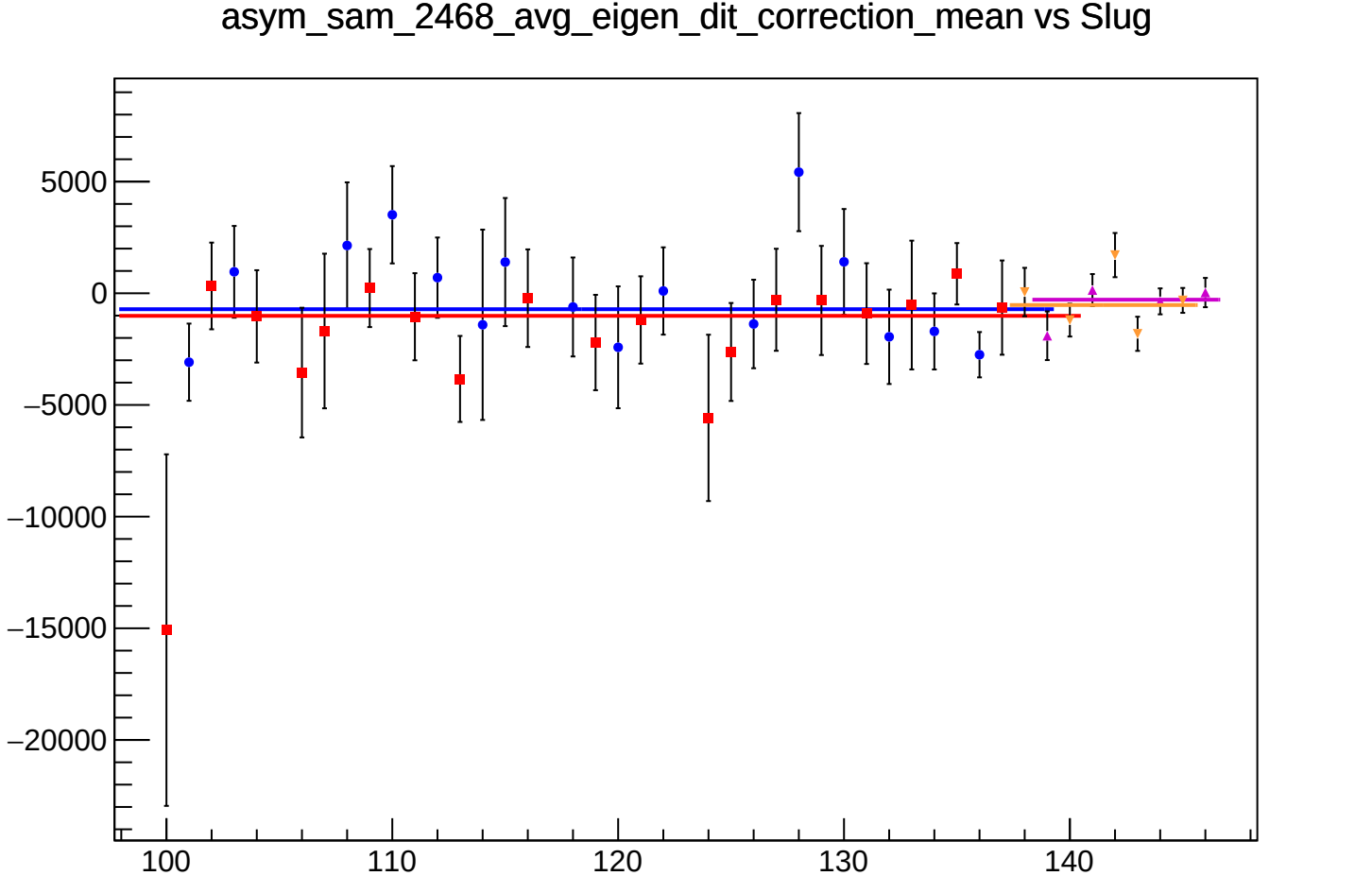
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 96.368+/-0.037 χ^2/NDF:61937.8/3

+ sign 104.010+/-0.023 χ^2/NDF: 690944.9/20

All: 104.308+/-0.016 χ^2/NDF: 1324554.7/43

- sign 104.609+/-0.023 χ^2/NDF: 633270.3/22



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -526.430+/-339.793 χ^2/NDF:9.2/4

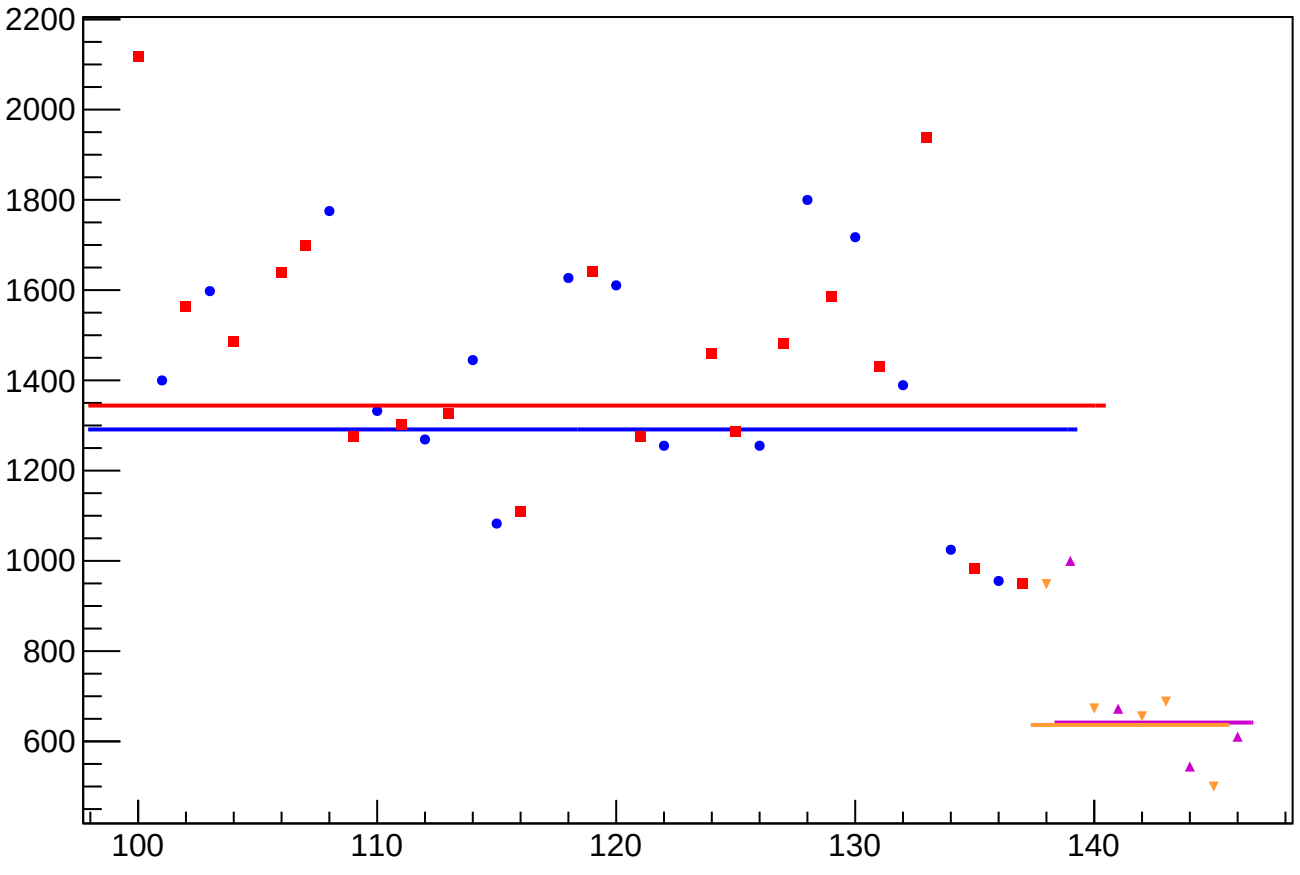
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -287.588+/-351.976 χ^2/NDF:2.8/3

+ sign -586.436+/-279.823 χ^2/NDF: 29.4/20

All: -557.225+/-200.719 χ^2/NDF: 45.4/43

- sign -526.266+/-288.076 χ^2/NDF: 16.0/22



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 636.471+/-0.240 χ^2/NDF:301259.3/4

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

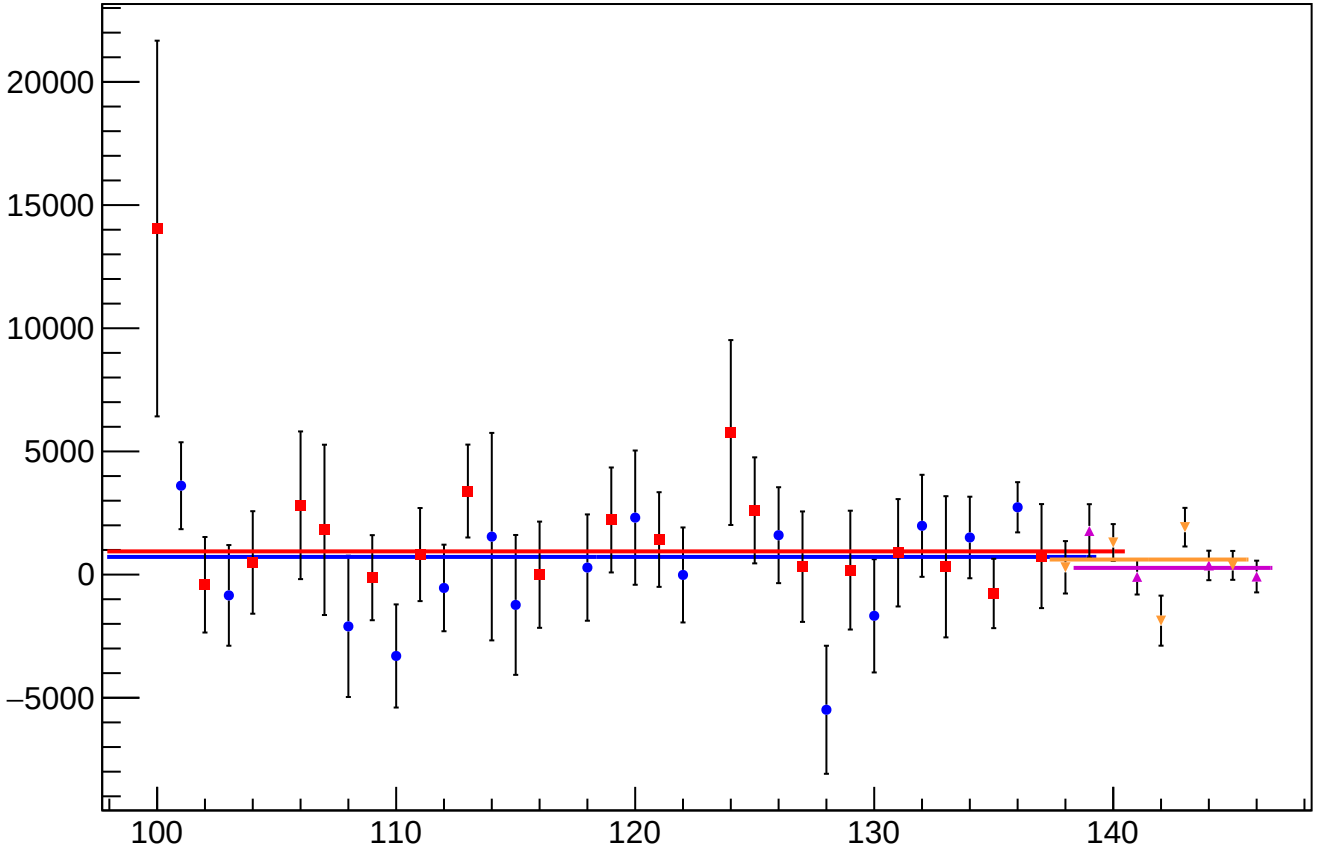
Left In: 641.724+/-0.249 χ^2/NDF:280549.0/3

\+ sign 847.191+/-0.198 χ^2/NDF: 3302052.2/20

All: 860.016+/-0.142 χ^2/NDF: 6711596.0/43

\- sign 873.608+/-0.204 χ^2/NDF: 3400889.8/22

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 611.536+/-349.772 χ^2/NDF:9.9/4

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

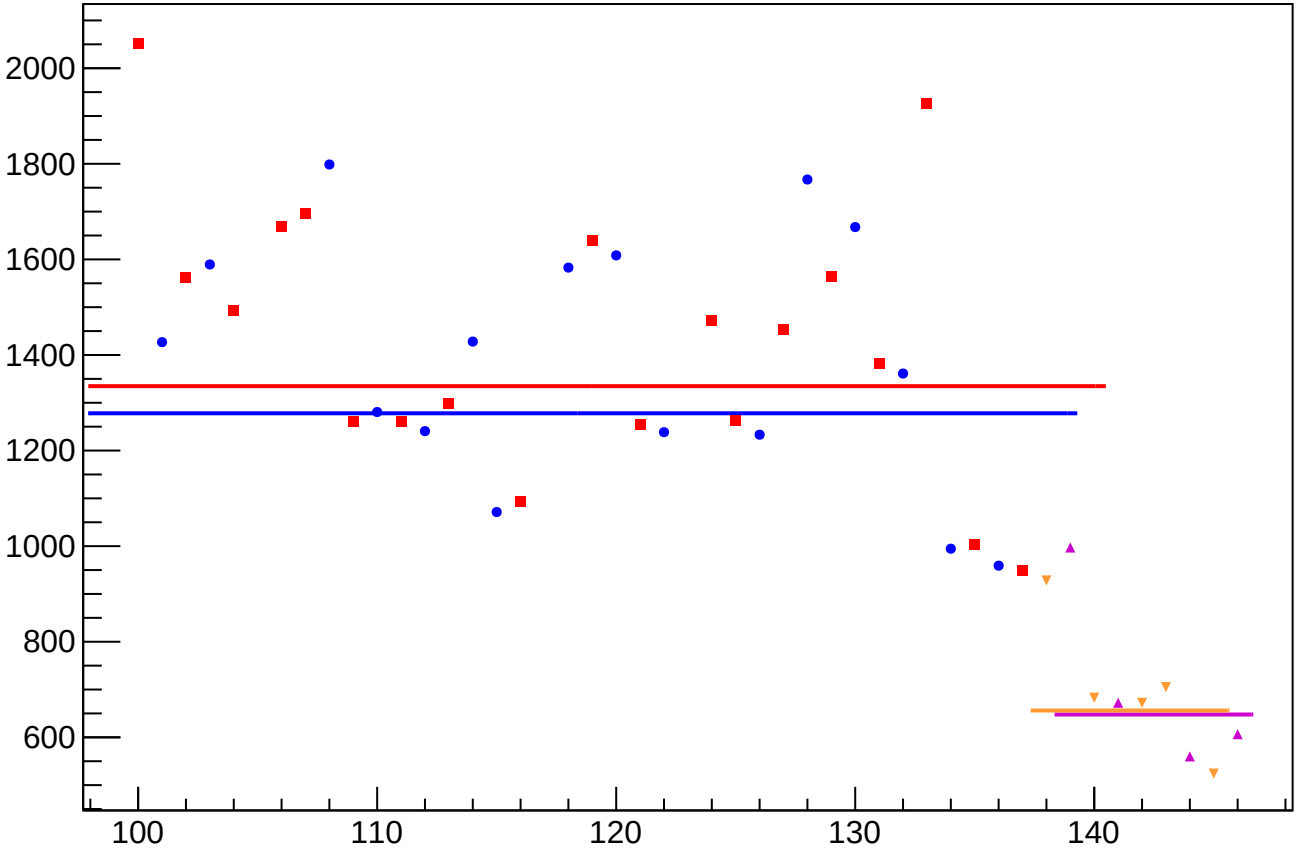
Left In: 272.084+/-353.834 χ^2/NDF:2.5/3

+ sign 647.514+/-284.337 χ^2/NDF: 30.9/20

All: 573.285+/-202.495 χ^2/NDF: 45.3/43

- sign 496.893+/-288.451 χ^2/NDF: 14.3/22

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 656.120+/-0.247 χ^2/NDF:243126.3/4

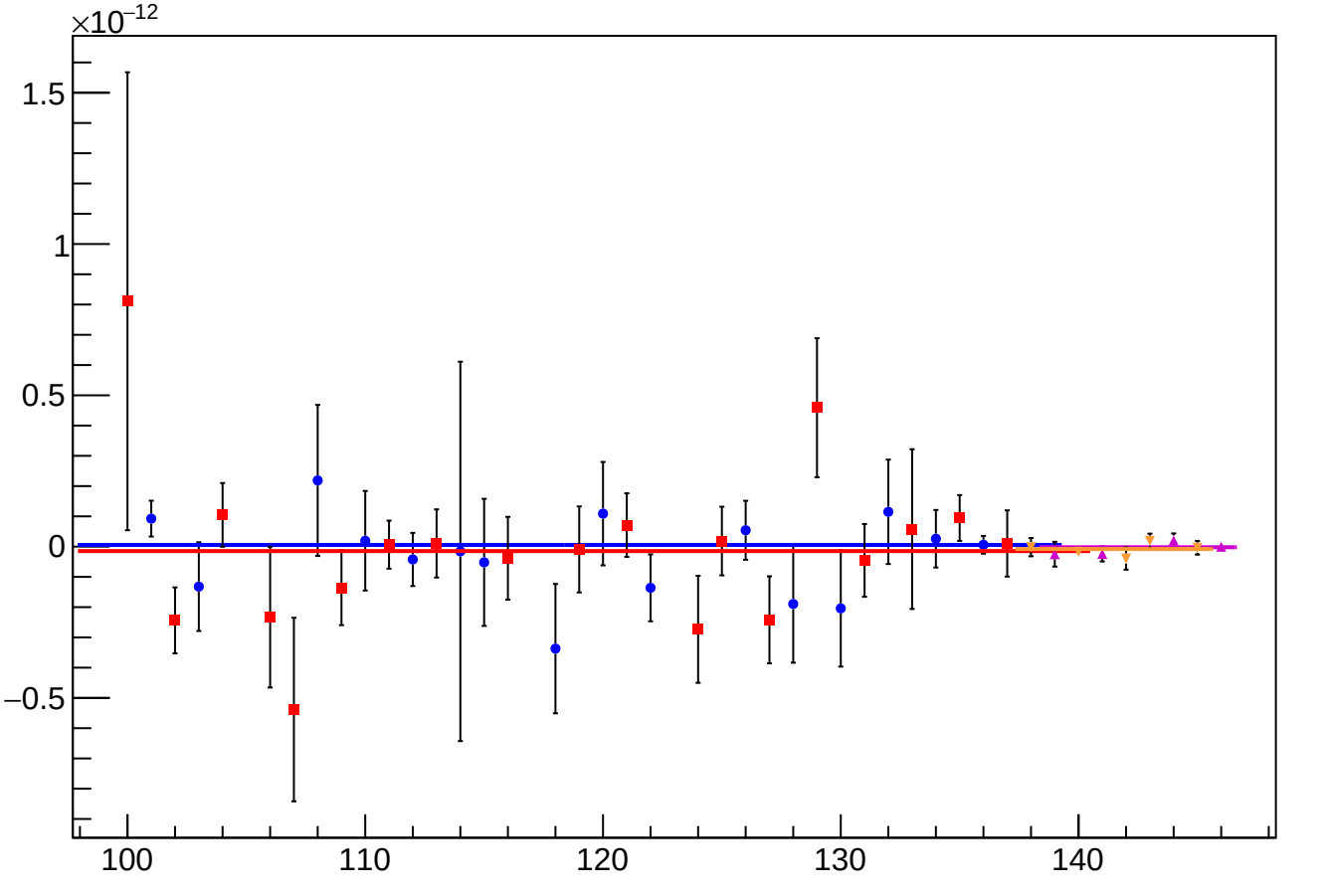
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 647.773+/-0.250 χ^2/NDF:260264.1/3

+ sign 867.029+/-0.201 χ^2/NDF: 2984901.2/20

All: 872.539+/-0.143 χ^2/NDF: 6247548.2/43

- sign 878.210+/-0.204 χ^2/NDF: 3261122.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/4

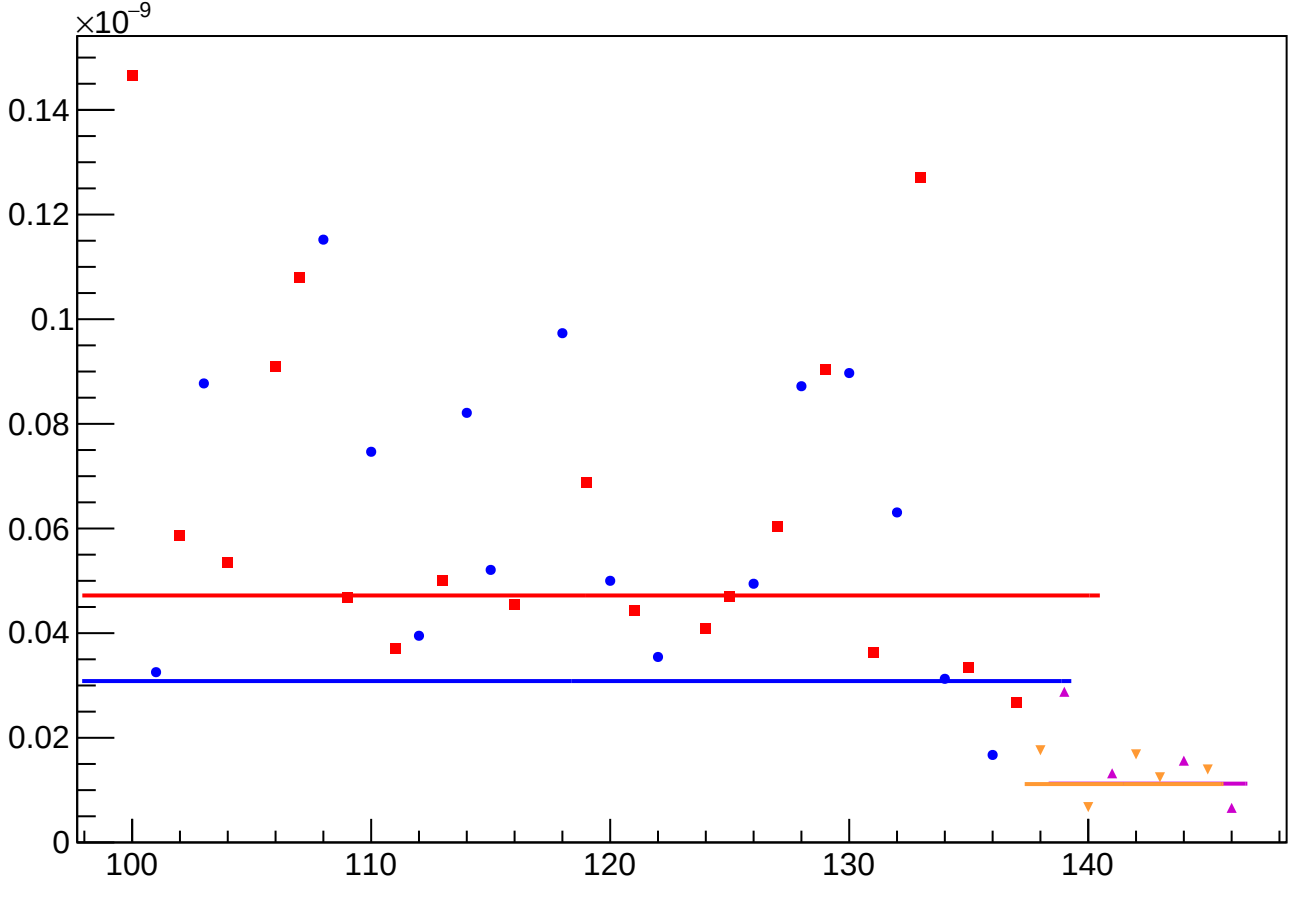
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/3

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/20

All: -0.000+/-0.000 χ^2/NDF: 40.4/43

- sign -0.000+/-0.000 χ^2/NDF: 26.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:343312.0/4

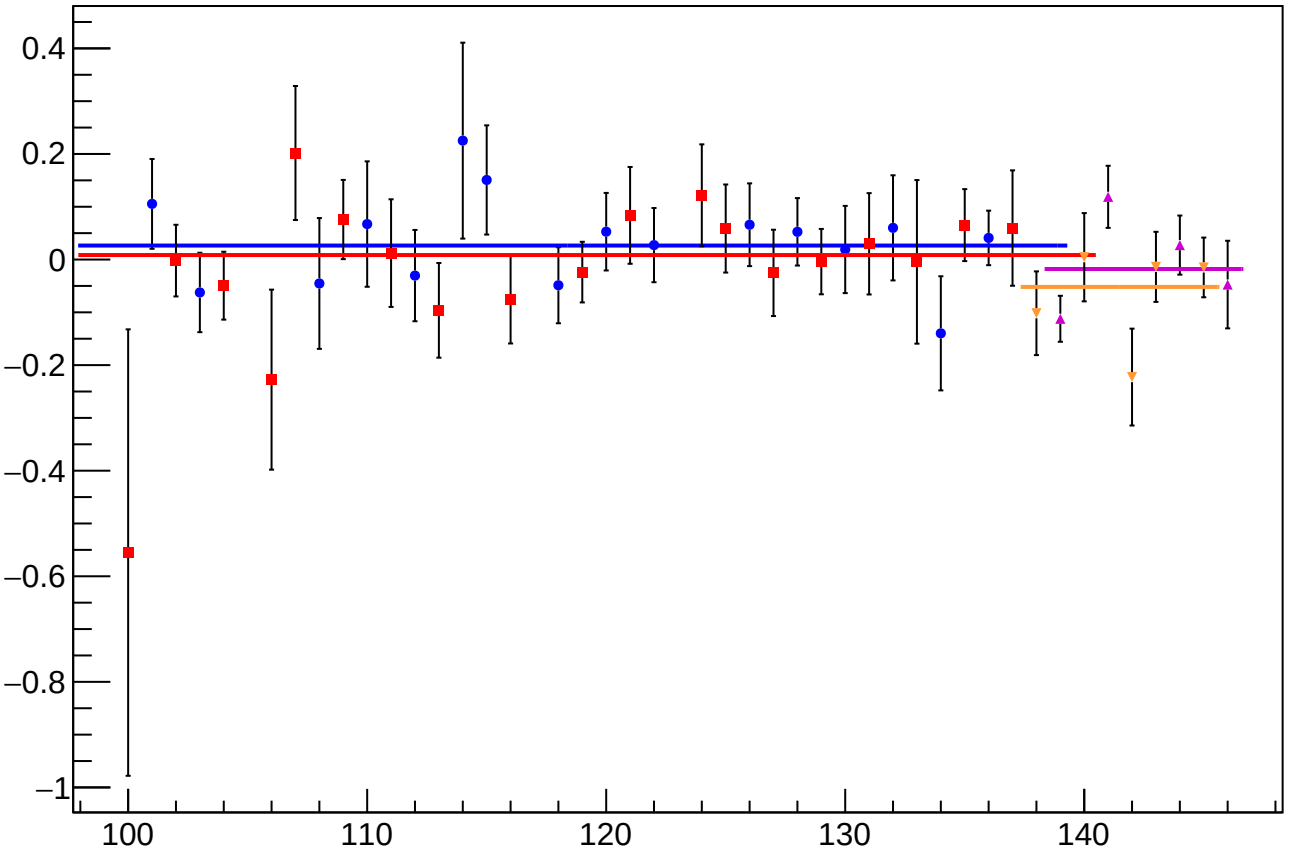
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:655305.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 3623996.1/20

All: 0.000+/-0.000 χ^2/NDF: 7784082.2/43

- sign 0.000+/-0.000 χ^2/NDF: 4150366.2/22



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

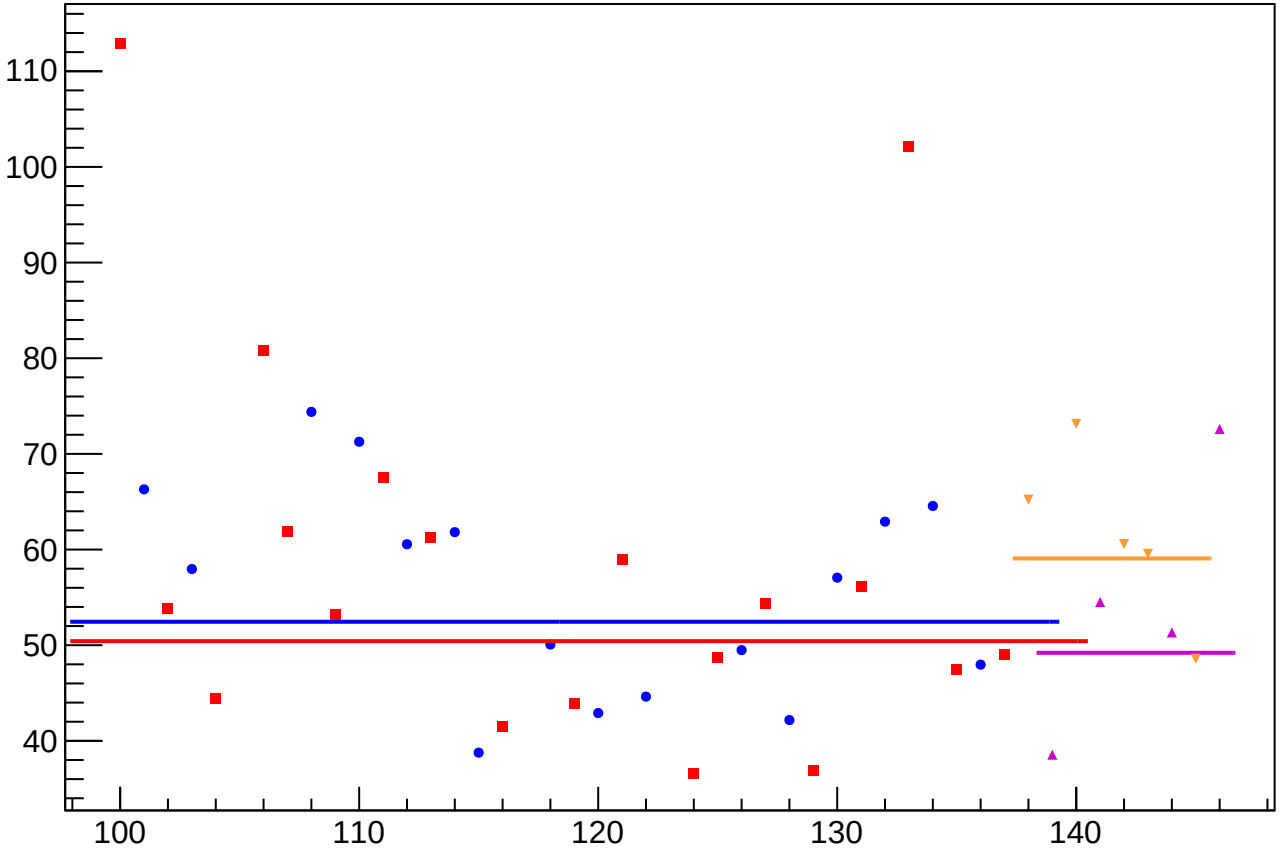
Left In: -0.018+/-0.028 χ^2/NDF:10.9/3

+ sign 0.004+/-0.017 χ^2/NDF: 19.2/20

All: 0.002+/-0.012 χ^2/NDF: 44.7/43

- sign -0.000+/-0.016 χ^2/NDF: 25.4/22

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: 59.069+/-0.023 χ^2/NDF:138041.3/4

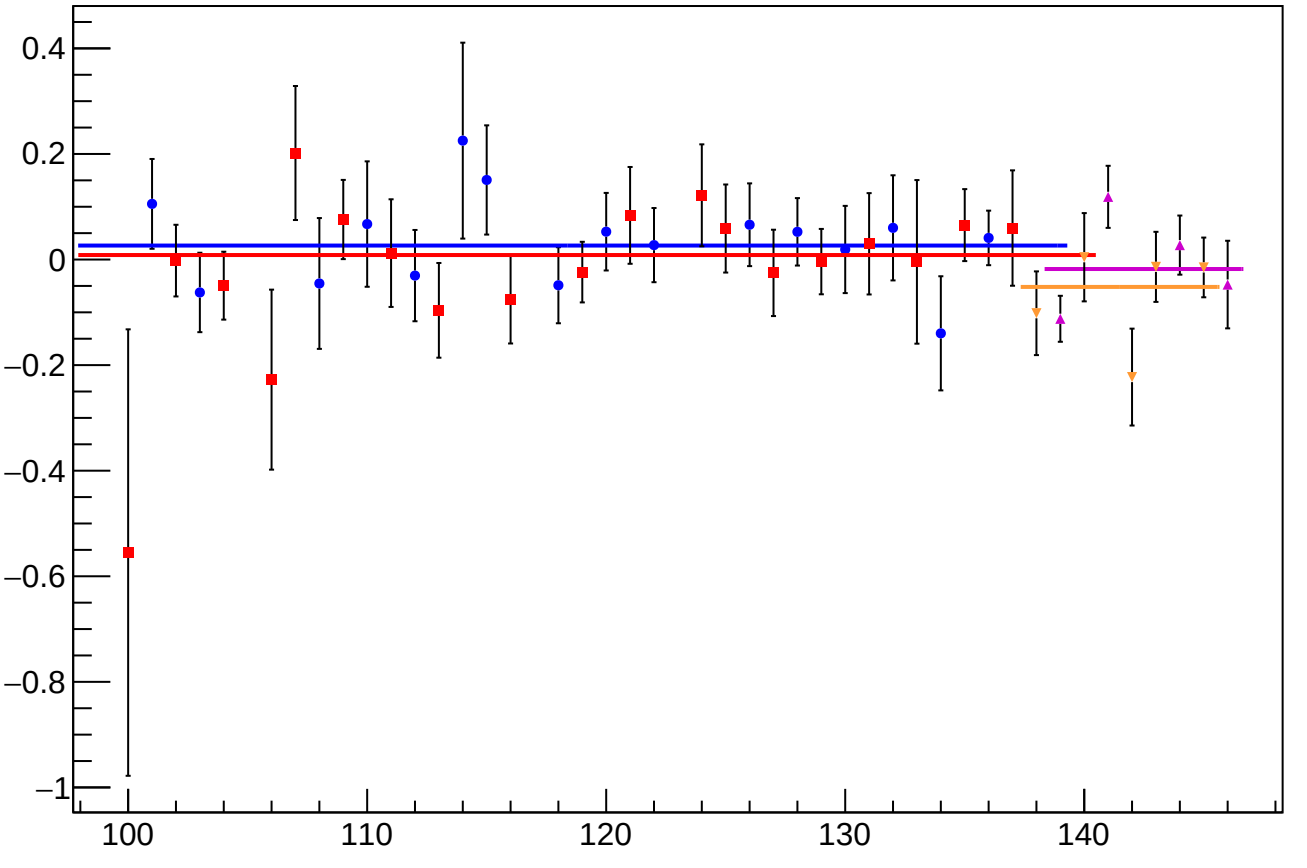
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.206+/-0.020 χ^2/NDF:297966.1/3

+ sign 54.341+/-0.012 χ^2/NDF: 616165.6/20

All: 52.019+/-0.008 χ^2/NDF: 1660842.2/43

- sign 50.025+/-0.011 χ^2/NDF: 977268.0/22



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

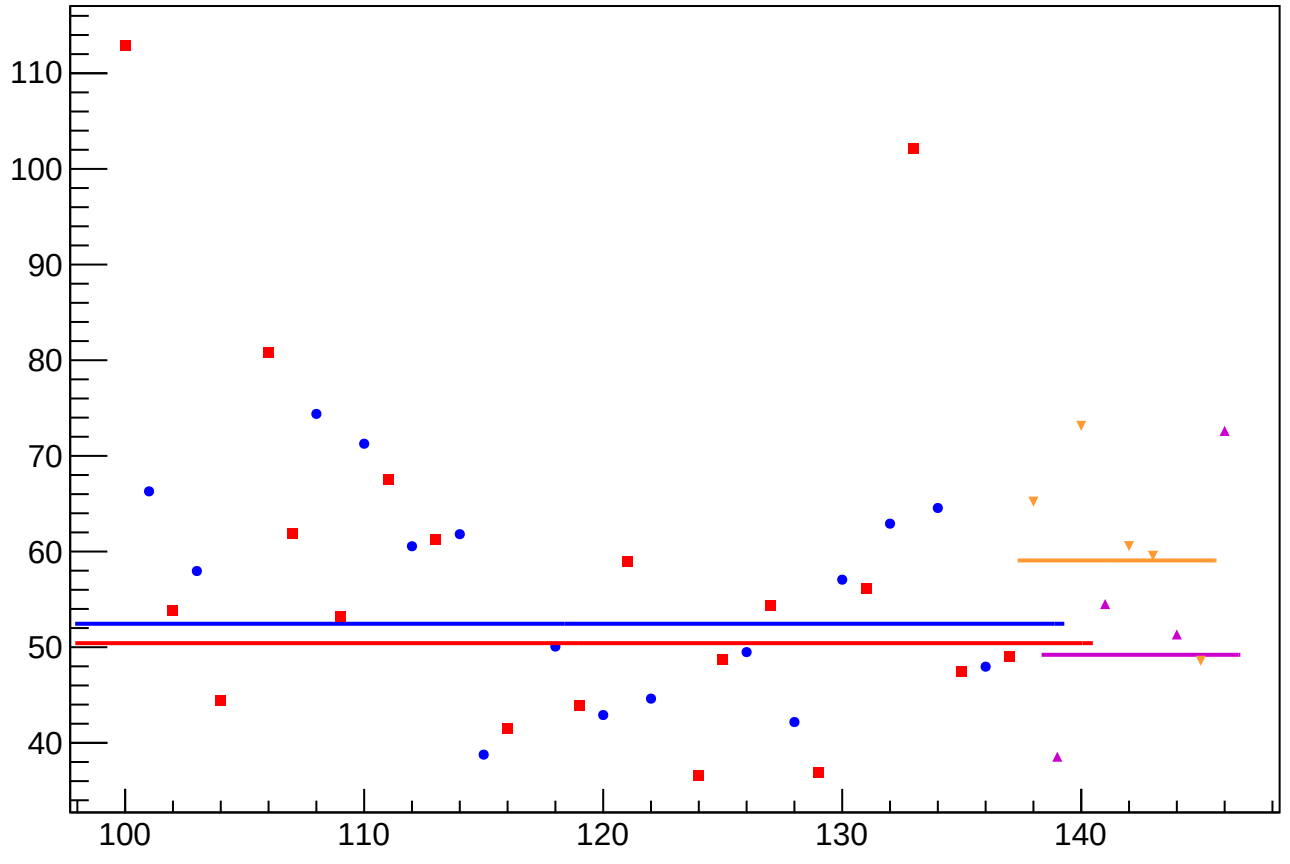
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.018+/-0.028 χ^2/NDF:10.9/3

+ sign 0.004+/-0.017 χ^2/NDF: 19.2/20

All: 0.002+/-0.012 χ^2/NDF: 44.7/43

- sign -0.000+/-0.016 χ^2/NDF: 25.4/22



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 59.069+/-0.023 χ^2/NDF:138041.3/4

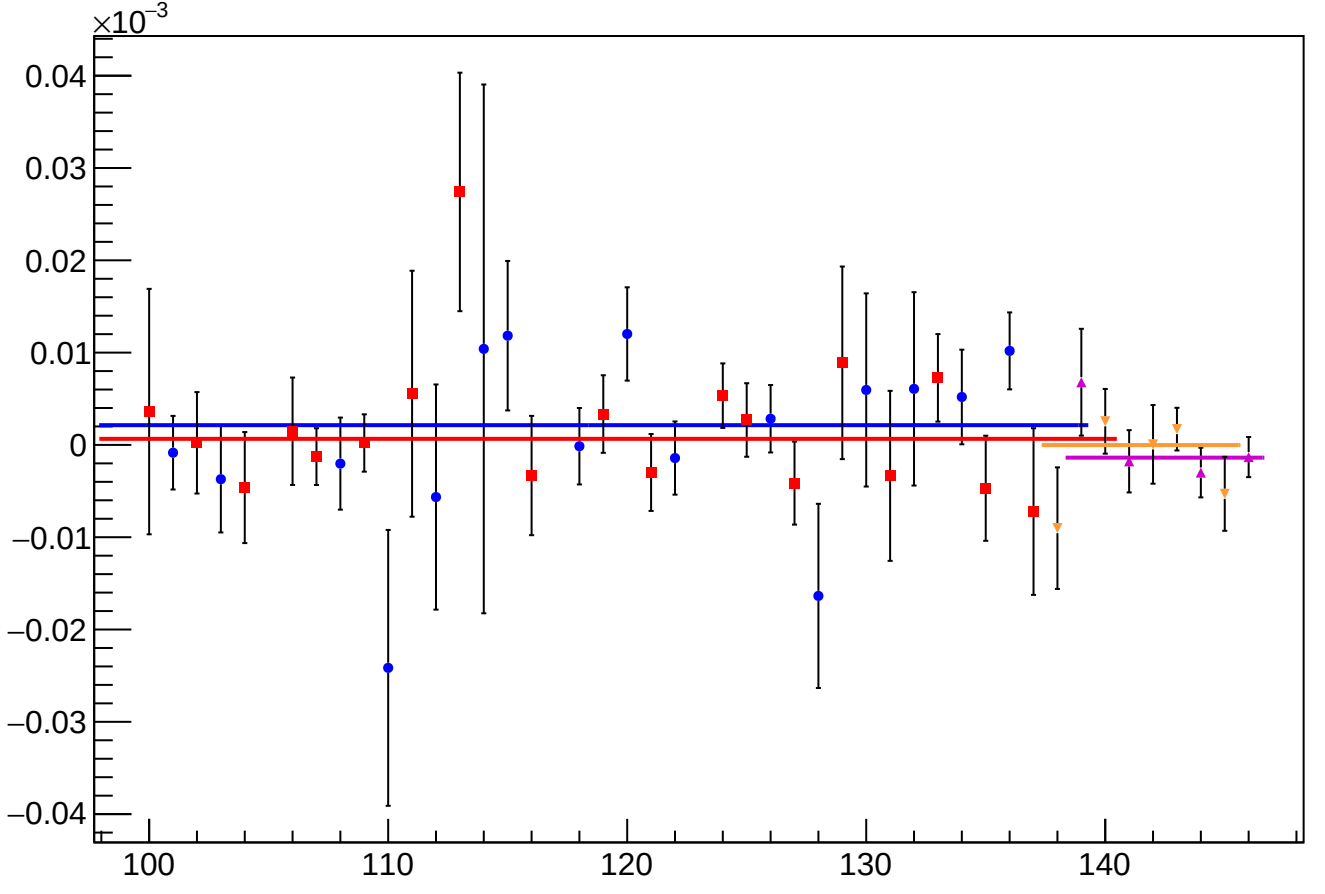
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.206+/-0.020 χ^2/NDF:297966.1/3

+ sign 54.341+/-0.012 χ^2/NDF: 616165.6/20

All: 52.019+/-0.008 χ^2/NDF: 1660842.2/43

- sign 50.025+/-0.011 χ^2/NDF: 977268.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

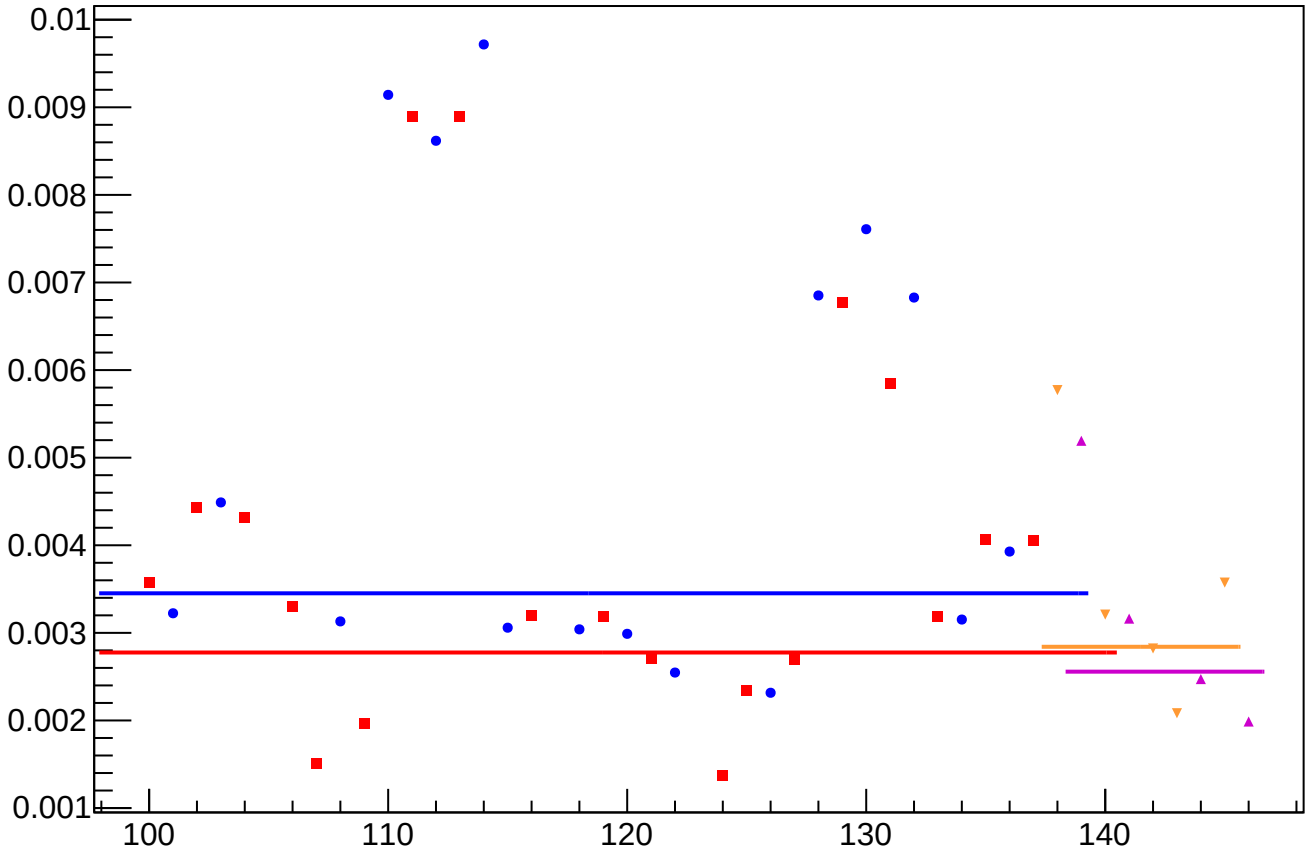
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/20

All: 0.000+/-0.000 χ^2/NDF: 45.1/43

- sign -0.000+/-0.000 χ^2/NDF: 18.4/22



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:700548.2/4

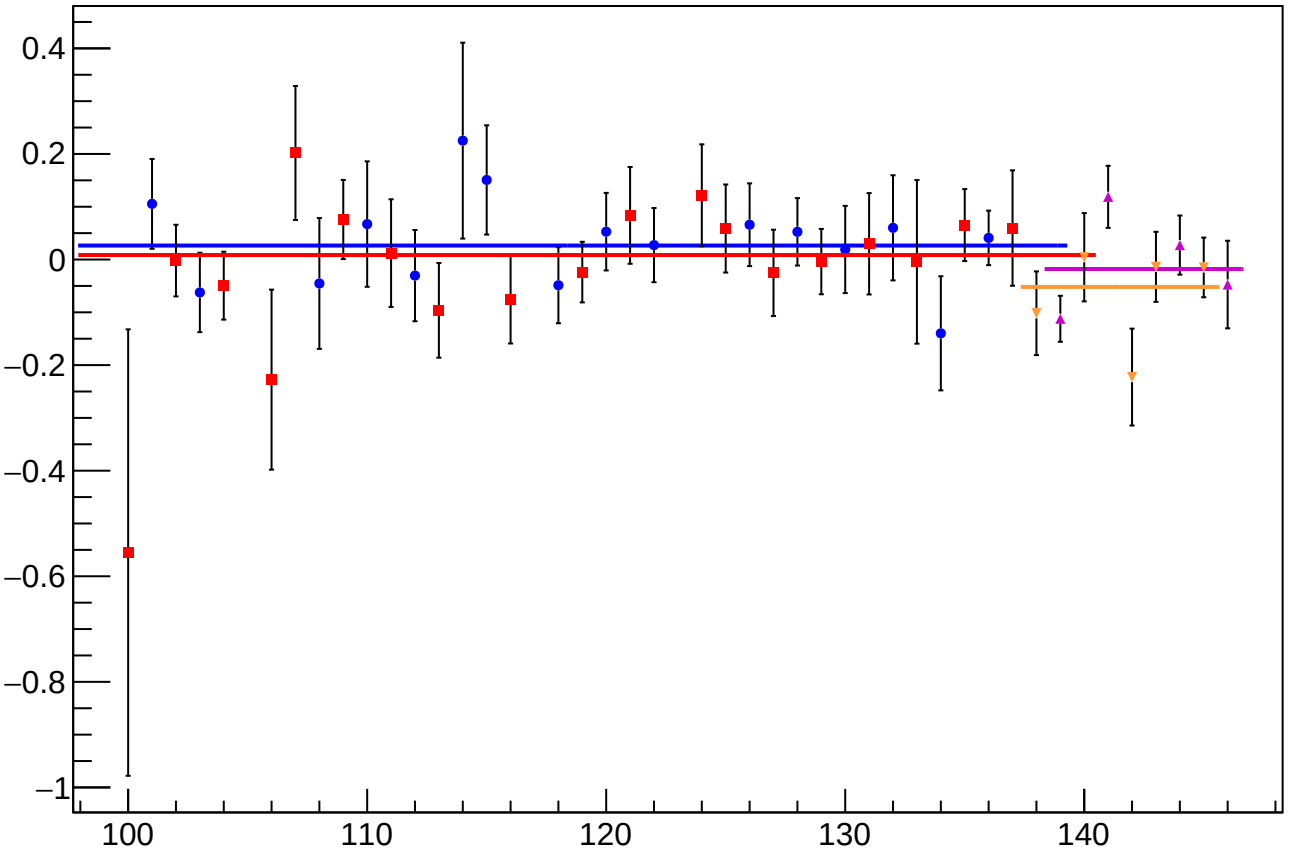
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:618275.2/3

+ sign 0.003+/-0.000 χ^2/NDF: 2822441.3/20

All: 0.003+/-0.000 χ^2/NDF: 6457855.7/43

- sign 0.003+/-0.000 χ^2/NDF: 3380867.9/22



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

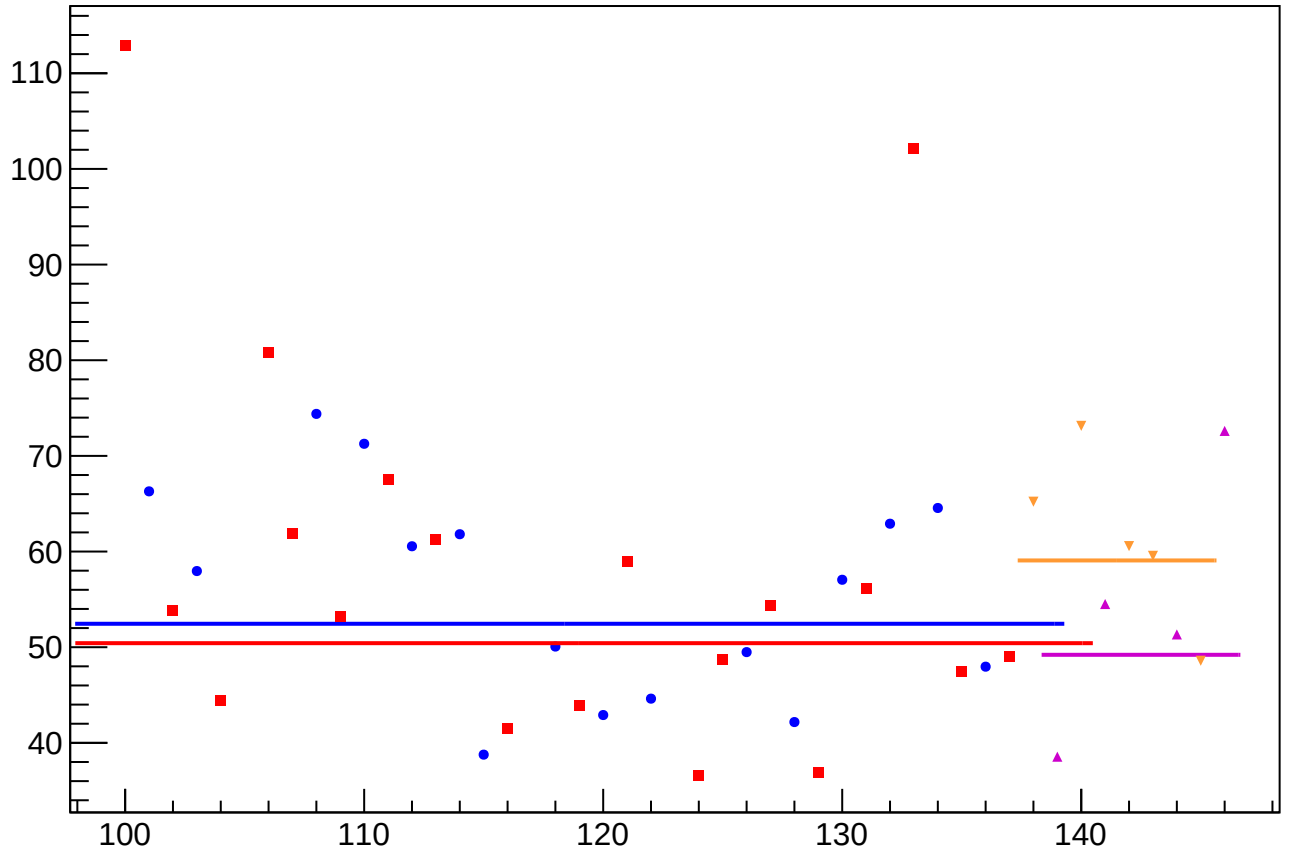
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.018+/-0.028 χ^2/NDF:10.9/3

+ sign 0.004+/-0.017 χ^2/NDF: 19.2/20

All: 0.002+/-0.012 χ^2/NDF: 44.7/43

- sign -0.000+/-0.016 χ^2/NDF: 25.4/22



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 59.070+/-0.023 χ^2/NDF:138010.1/4

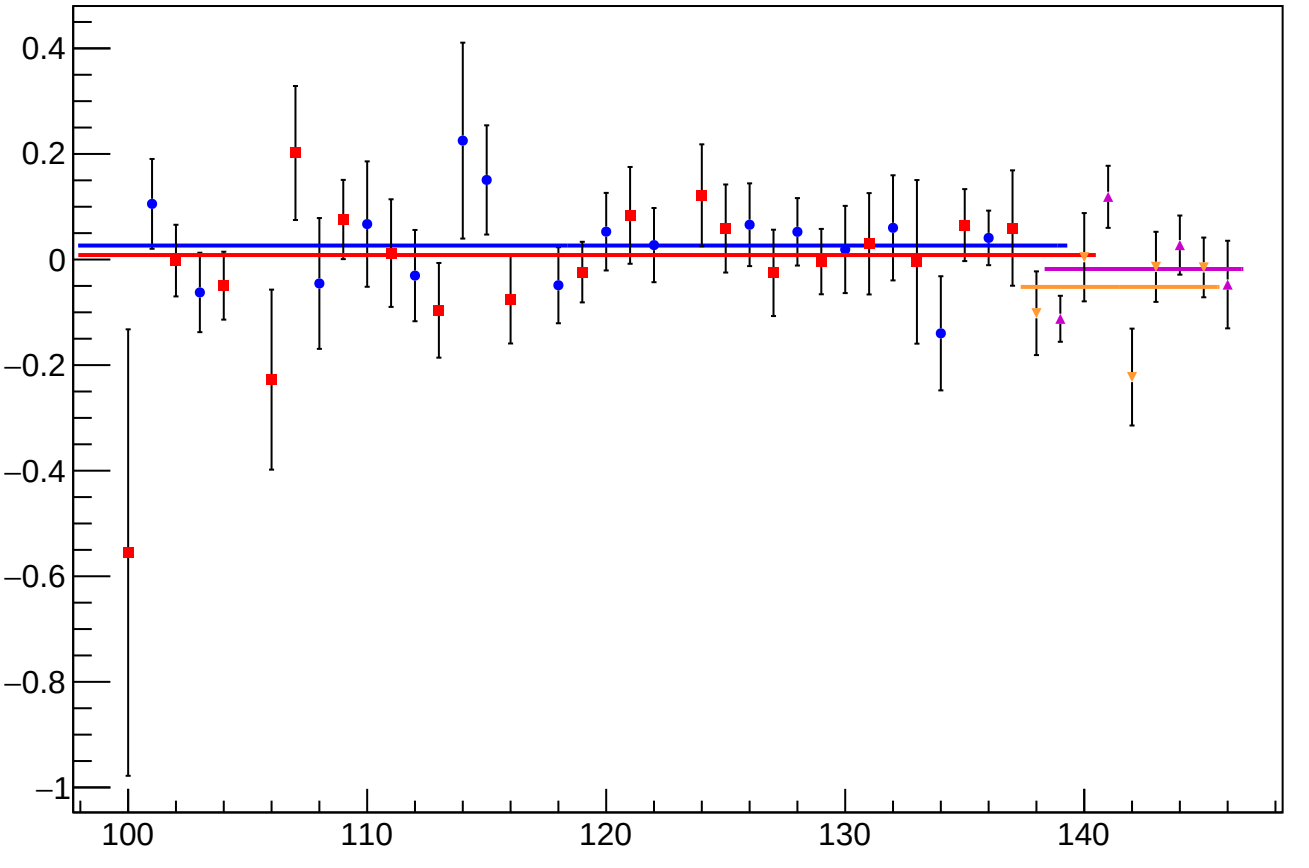
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.205+/-0.020 χ^2/NDF:298004.9/3

+ sign 54.340+/-0.012 χ^2/NDF: 616121.1/20

All: 52.018+/-0.008 χ^2/NDF: 1660843.8/43

- sign 50.024+/-0.011 χ^2/NDF: 977309.3/22



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

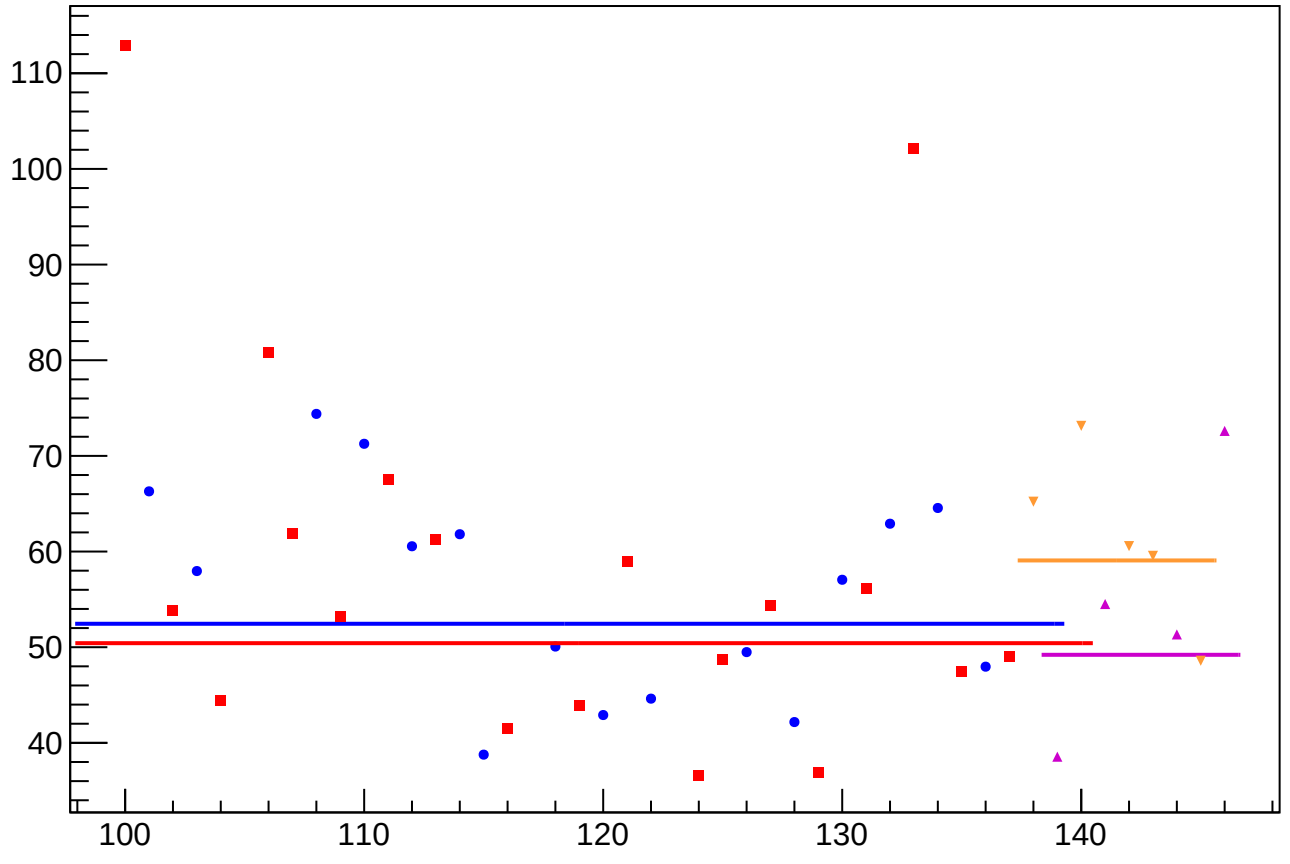
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.018+/-0.028 χ^2/NDF:10.9/3

+ sign 0.004+/-0.017 χ^2/NDF: 19.2/20

All: 0.002+/-0.012 χ^2/NDF: 44.7/43

- sign -0.000+/-0.016 χ^2/NDF: 25.4/22



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 59.070+/-0.023 χ^2/NDF:138010.1/4

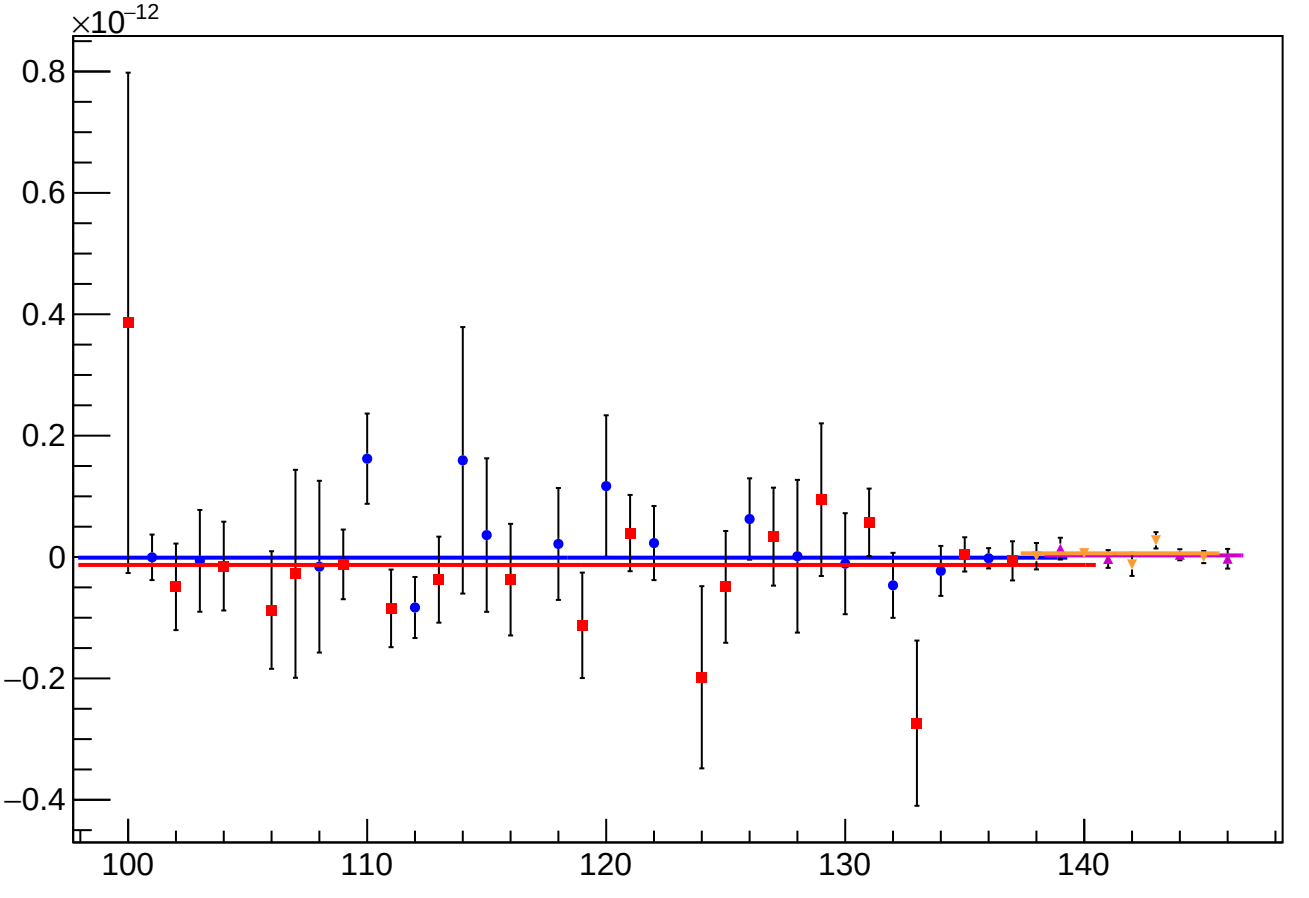
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.205+/-0.020 χ^2/NDF:298004.9/3

+ sign 54.340+/-0.012 χ^2/NDF: 616121.1/20

All: 52.018+/-0.008 χ^2/NDF: 1660843.8/43

- sign 50.024+/-0.011 χ^2/NDF: 977309.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/4

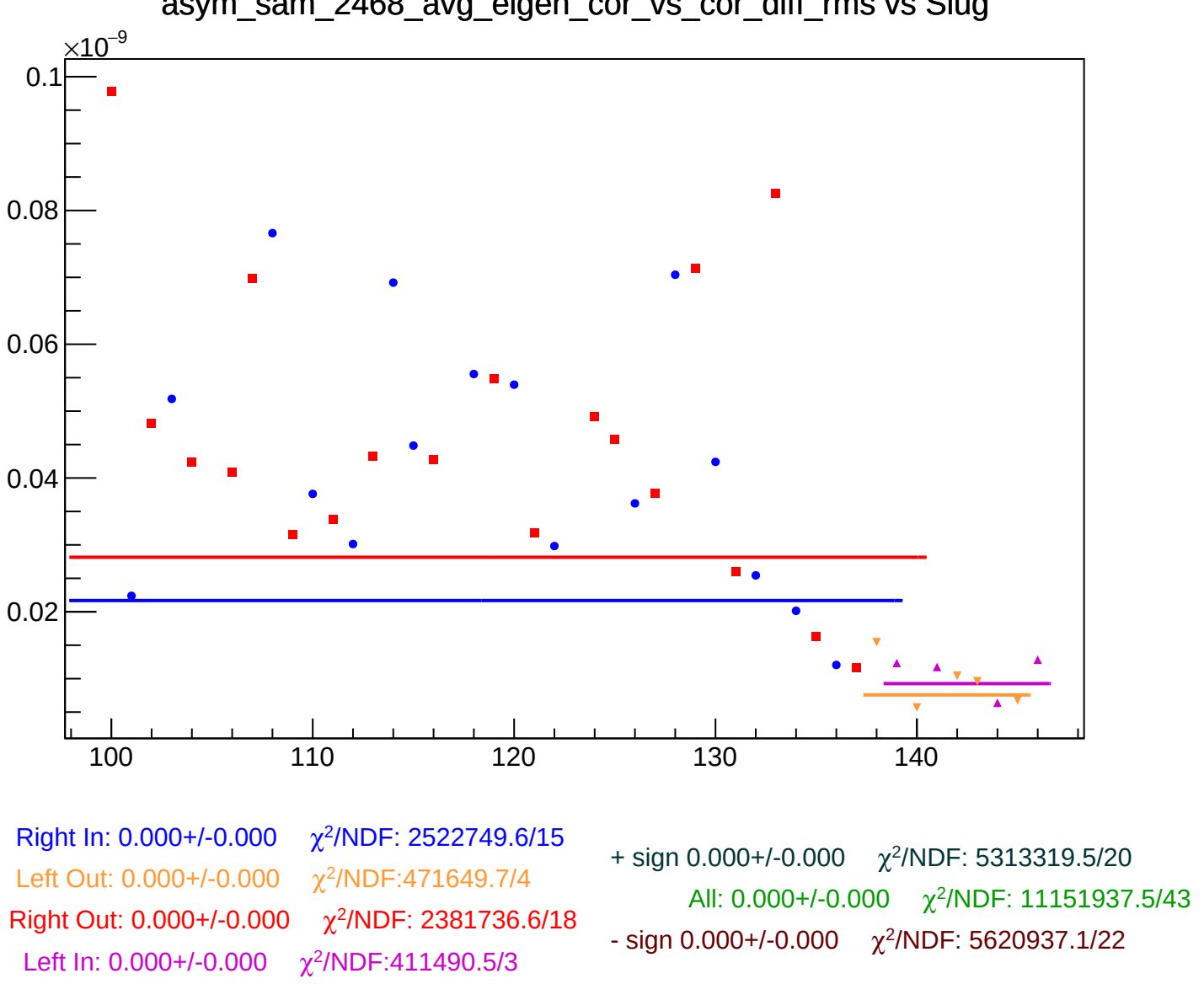
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

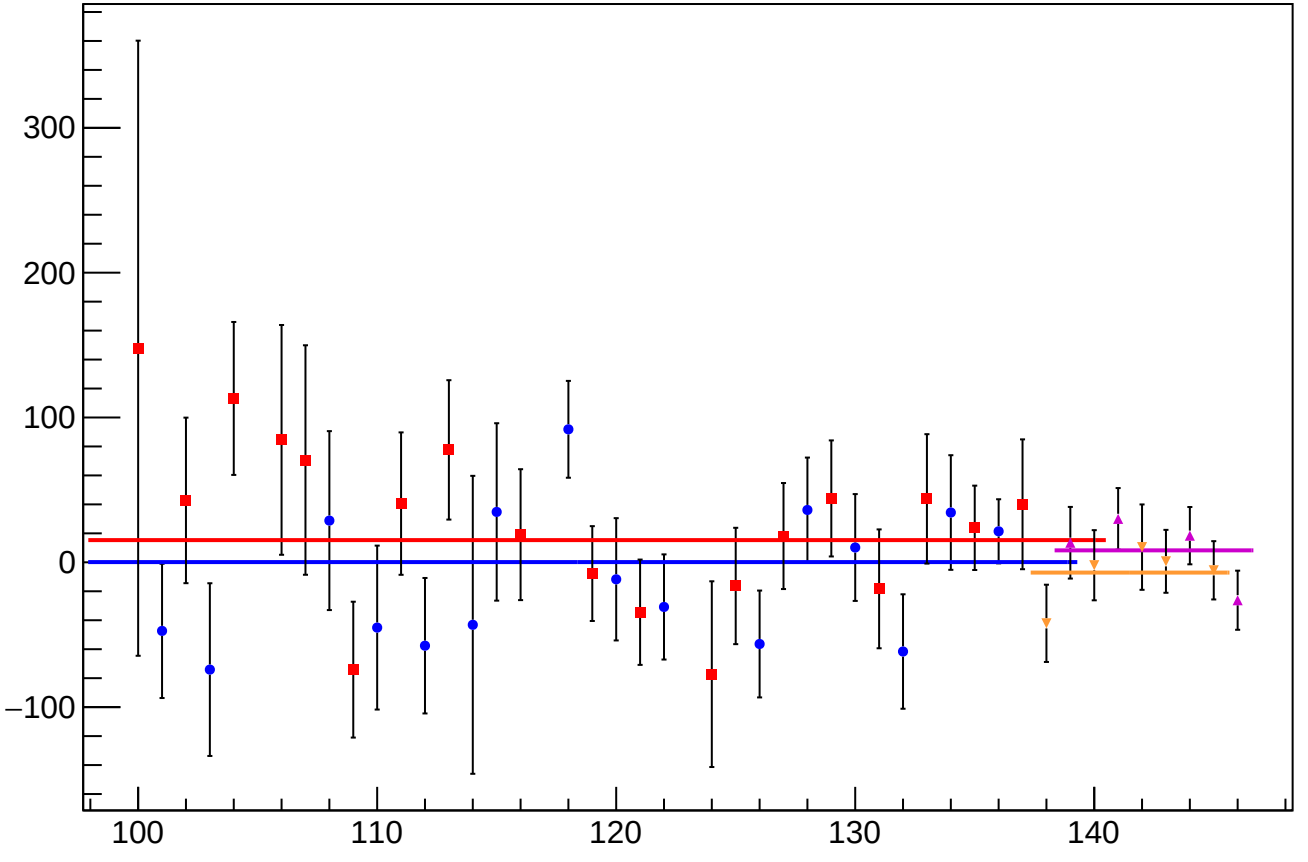
+ sign 0.000+/-0.000 χ^2/NDF: 15.5/20

All: 0.000+/-0.000 χ^2/NDF: 31.2/43

- sign 0.000+/-0.000 χ^2/NDF: 15.3/22


asym_sam_2468_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
Right In: 0.000+/-0.000 χ²/NDF: 2522749.6/15
Left Out: 0.000+/-0.000 χ²/NDF:471649.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 2381736.6/18
Left In: 0.000+/-0.000 χ²/NDF:411490.5/3
+ sign 0.000+/-0.000 χ²/NDF: 5313319.5/20
All: 0.000+/-0.000 χ²/NDF: 11151937.5/43
- sign 0.000+/-0.000 χ²/NDF: 5620937.1/22

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.093+/-10.630 χ^2/NDF:2.3/4

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

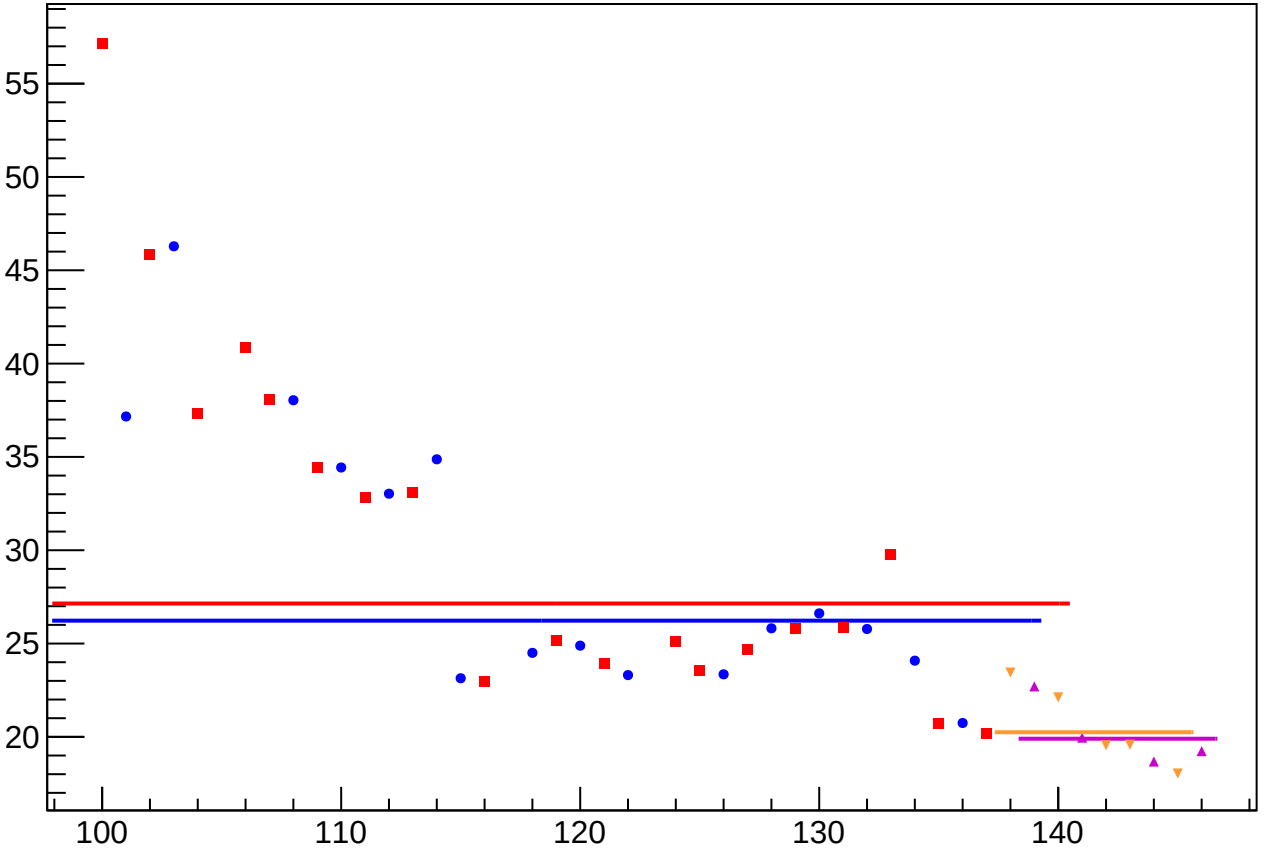
Left In: 8.256+/-10.659 χ^2/NDF:4.2/3

+ sign -3.265+/-7.302 χ^2/NDF: 23.8/20

All: 4.235+/-5.196 χ^2/NDF: 48.3/43

- sign 11.927+/-7.394 χ^2/NDF: 22.4/22

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.248+/-0.008 χ^2/NDF:67820.1/4

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

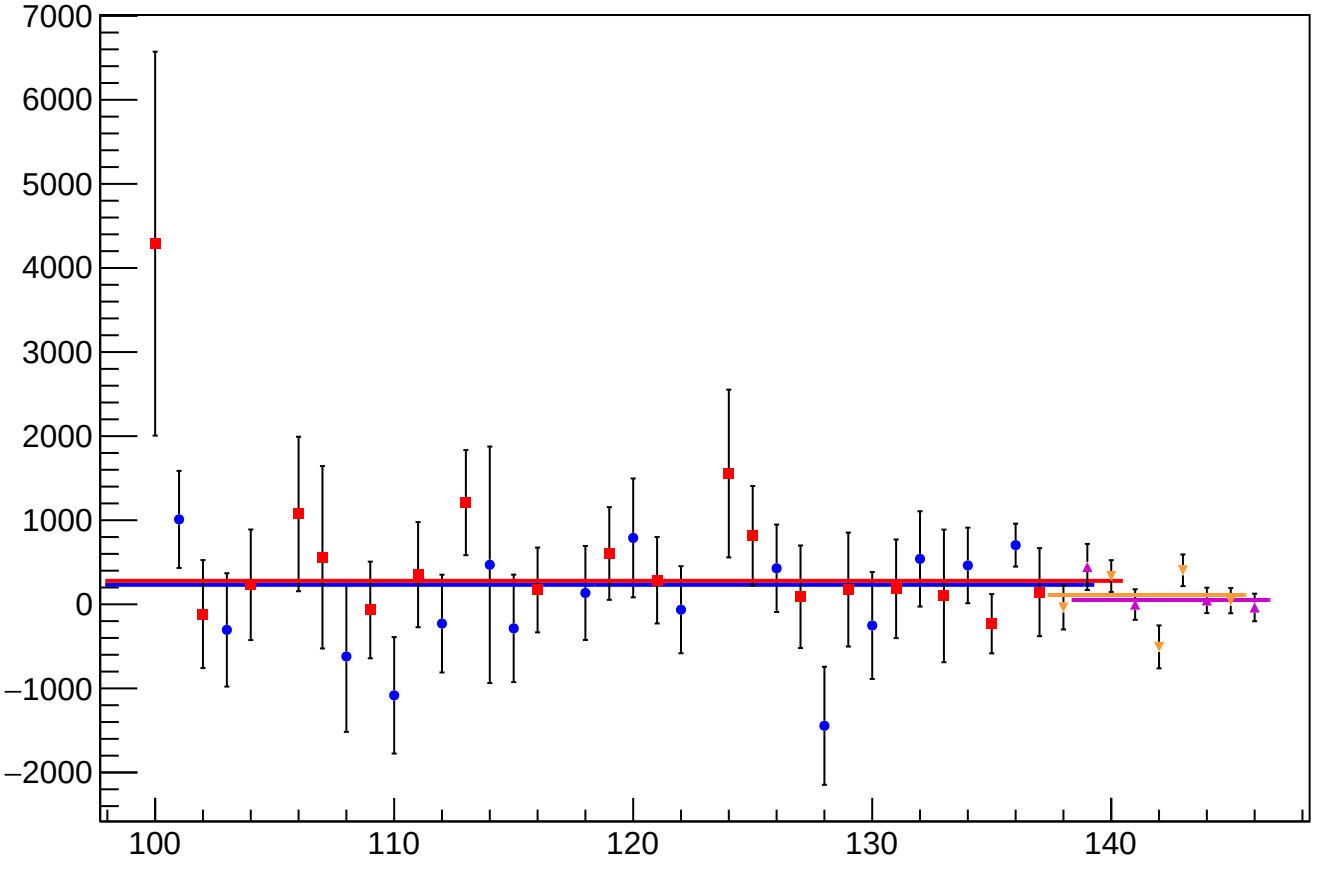
Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

+ sign 23.406+/-0.005 χ^2/NDF: 1078023.9/20

All: 23.531+/-0.004 χ^2/NDF: 2349404.3/43

- sign 23.659+/-0.005 χ^2/NDF: 1270196.0/22

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 110.943+/-87.416 χ^2/NDF:10.2/4

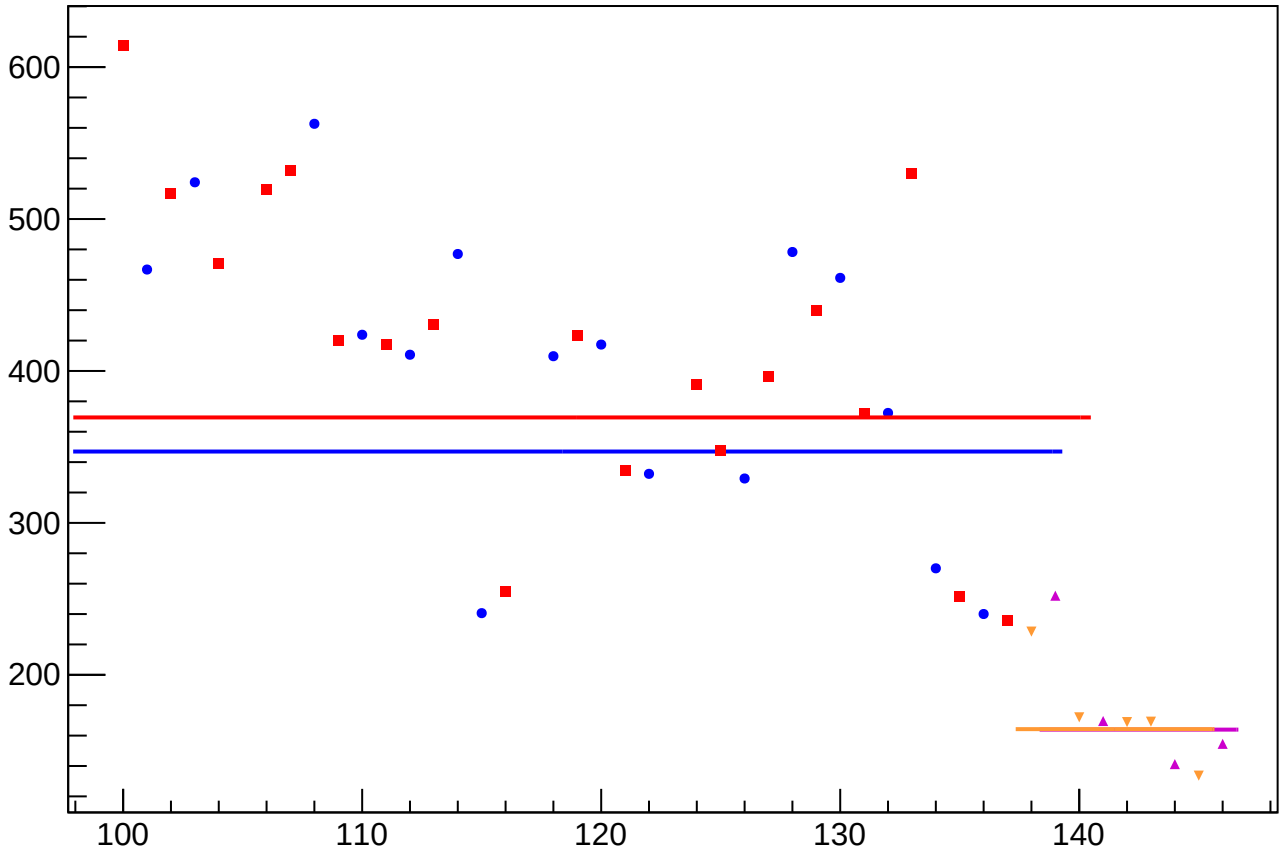
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 51.663+/-89.512 χ^2/NDF:2.4/3

+ sign 146.781+/-73.356 χ^2/NDF: 30.4/20

All: 132.626+/-52.581 χ^2/NDF: 46.9/43

- sign 117.666+/-75.410 χ^2/NDF: 16.4/22



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 164.256+/-0.062 χ^2/NDF:208989.7/4

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

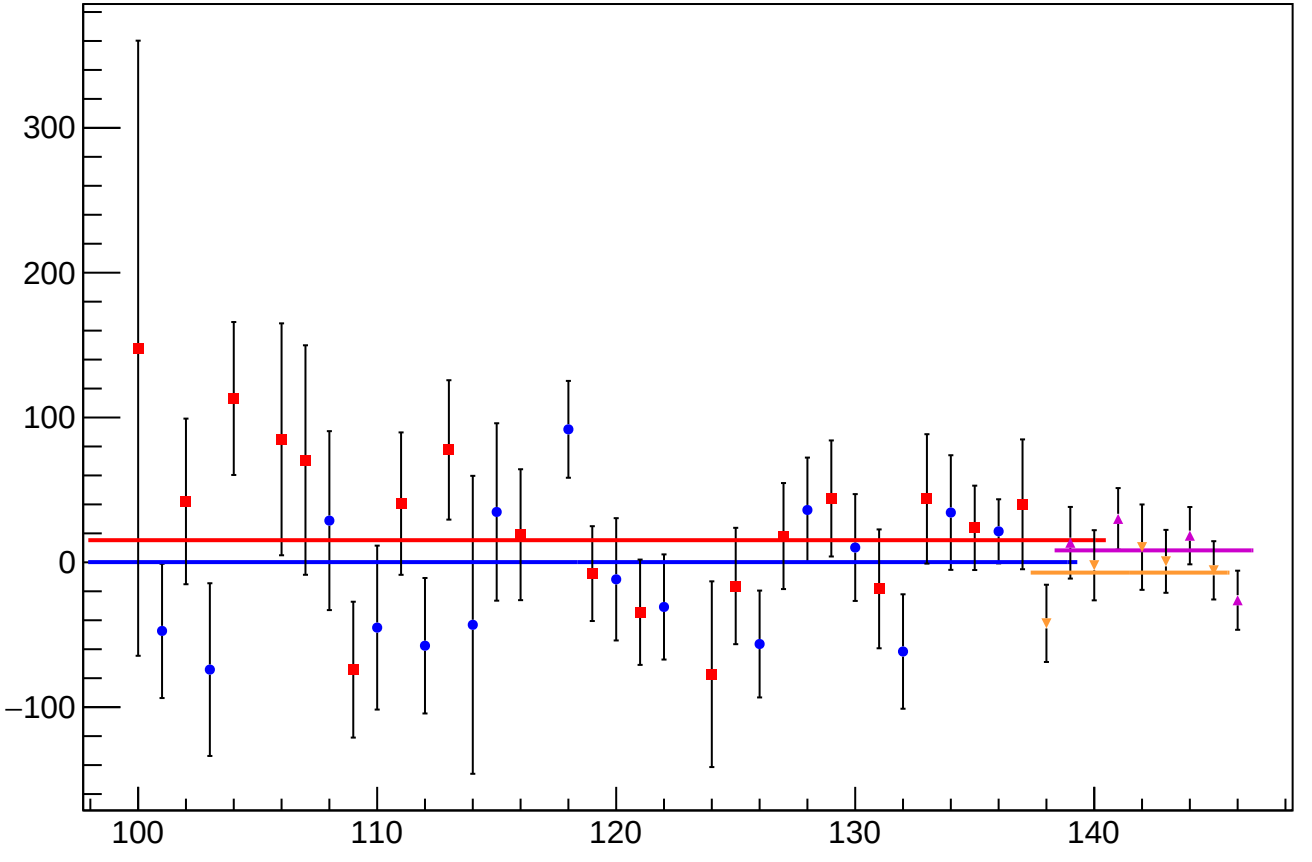
Left In: 163.938+/-0.063 χ^2/NDF:260068.9/3

+ sign 218.306+/-0.052 χ^2/NDF: 3851763.9/20

All: 220.871+/-0.037 χ^2/NDF: 8094757.5/43

- sign 223.582+/-0.053 χ^2/NDF: 4237963.8/22

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.096+/-10.630 χ^2/NDF:2.3/4

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

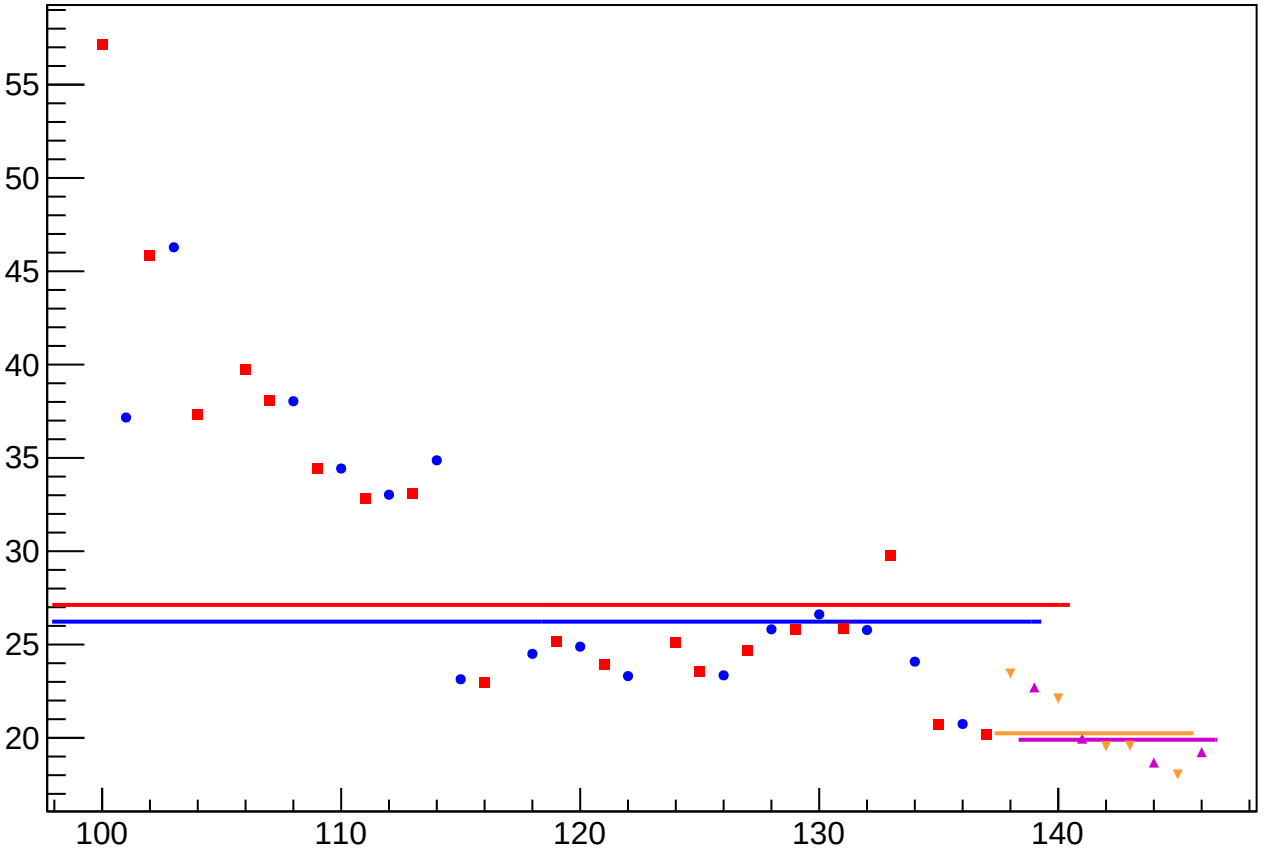
Left In: 8.260+/-10.659 χ^2/NDF:4.2/3

+ sign -3.265+/-7.302 χ^2/NDF: 23.8/20

All: 4.225+/-5.196 χ^2/NDF: 48.3/43

- sign 11.907+/-7.395 χ^2/NDF: 22.4/22

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.248+/-0.008 χ^2/NDF:67820.1/4

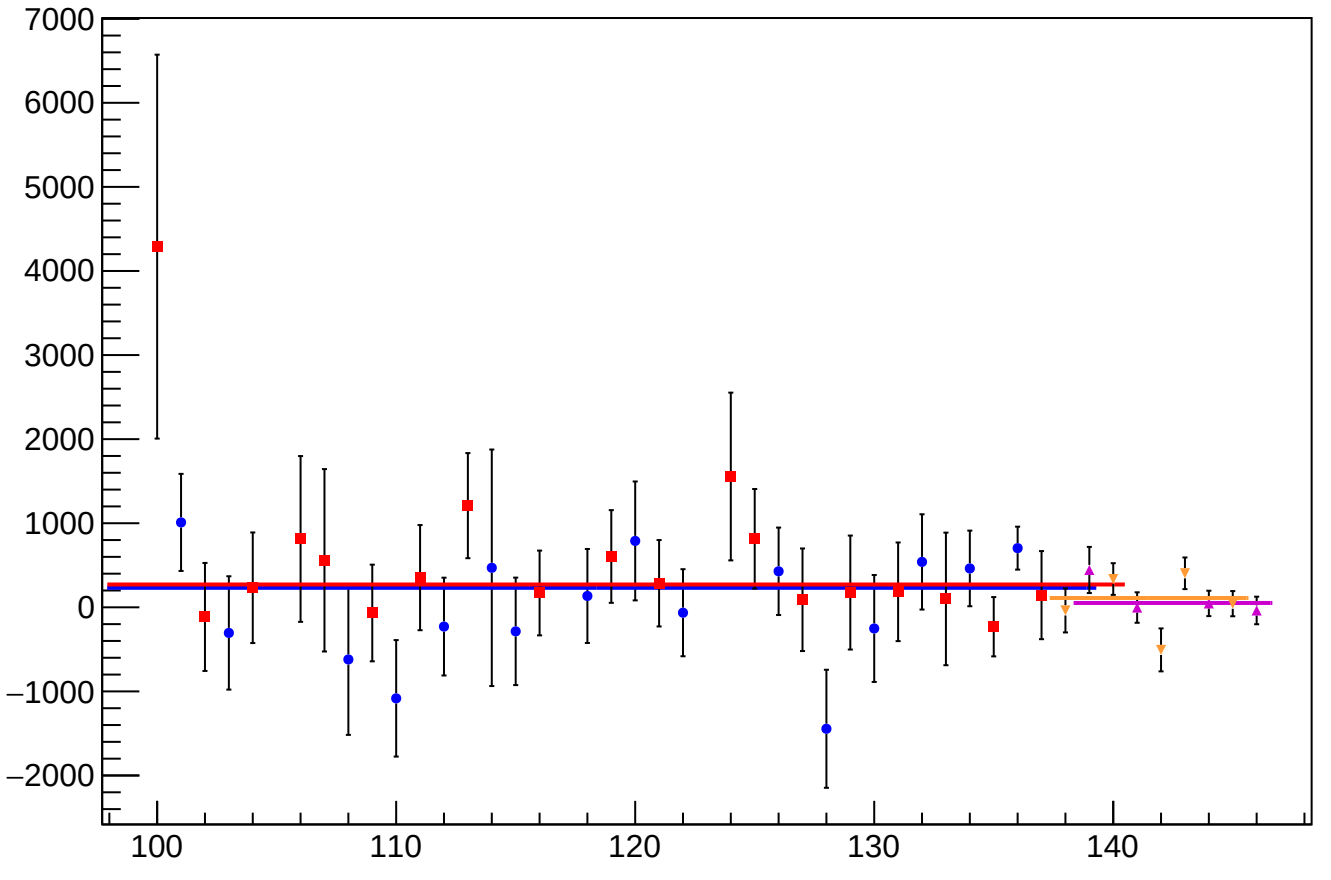
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

+ sign 23.406+/-0.005 χ^2/NDF: 1078027.3/20

All: 23.525+/-0.004 χ^2/NDF: 2336582.7/43

- sign 23.647+/-0.005 χ^2/NDF: 1257480.6/22



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 110.939+/-87.416 χ^2/NDF:10.2/4

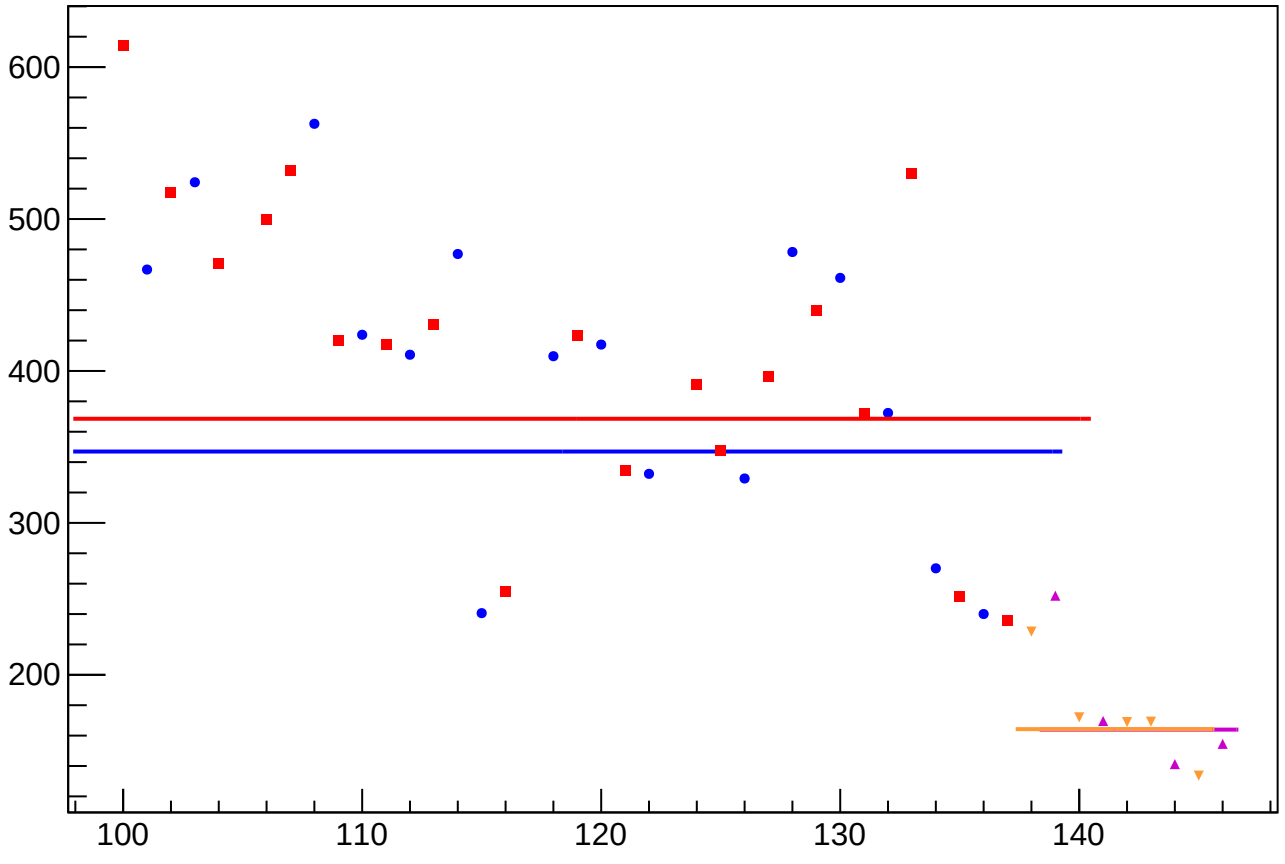
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 51.666+/-89.512 χ^2/NDF:2.4/3

\+ sign 146.777+/-73.356 χ^2/NDF: 30.4/20

All: 131.486+/-52.593 χ^2/NDF: 46.3/43

\- sign 115.313+/-75.444 χ^2/NDF: 15.8/22



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 164.255+/-0.062 χ^2/NDF:208989.8/4

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

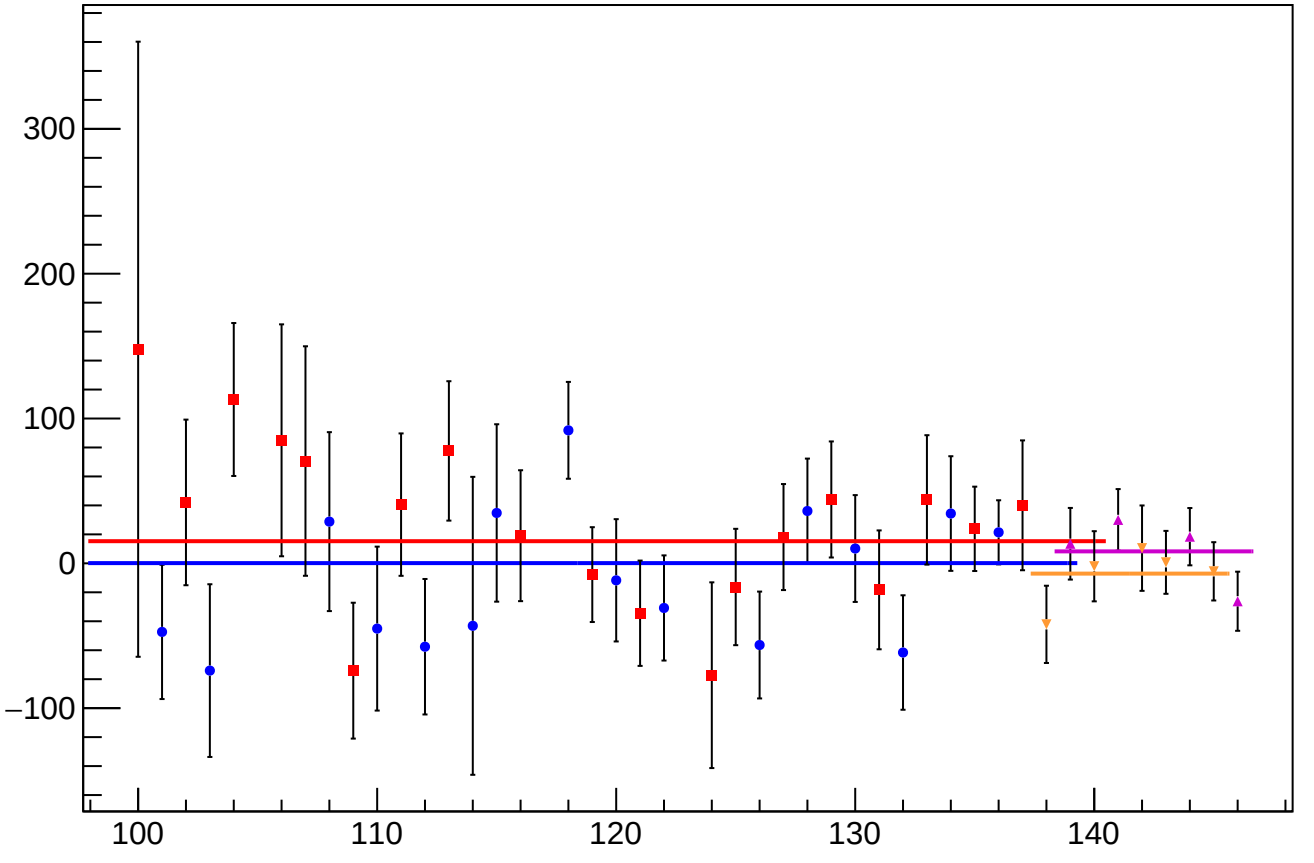
Left In: 163.938+/-0.063 χ^2/NDF:260067.9/3

+ sign 218.306+/-0.052 χ^2/NDF: 3851796.6/20

All: 220.684+/-0.037 χ^2/NDF: 8043003.2/43

- sign 223.200+/-0.053 χ^2/NDF: 4186880.9/22

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.096+/-10.630 χ^2/NDF:2.3/4

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

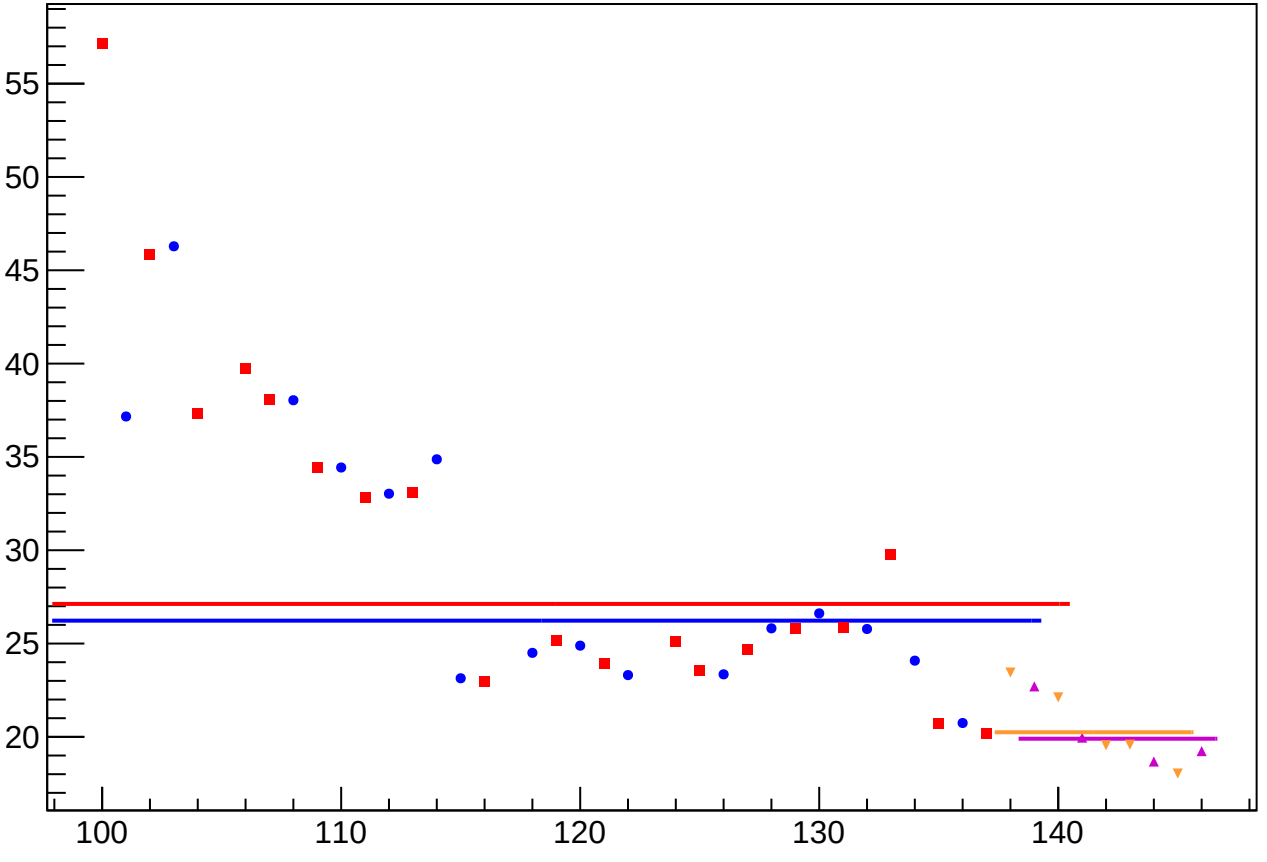
Left In: 8.260+/-10.659 χ^2/NDF:4.2/3

+ sign -3.265+/-7.302 χ^2/NDF: 23.8/20

All: 4.225+/-5.196 χ^2/NDF: 48.3/43

- sign 11.907+/-7.395 χ^2/NDF: 22.4/22

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.248+/-0.008 χ^2/NDF:67820.1/4

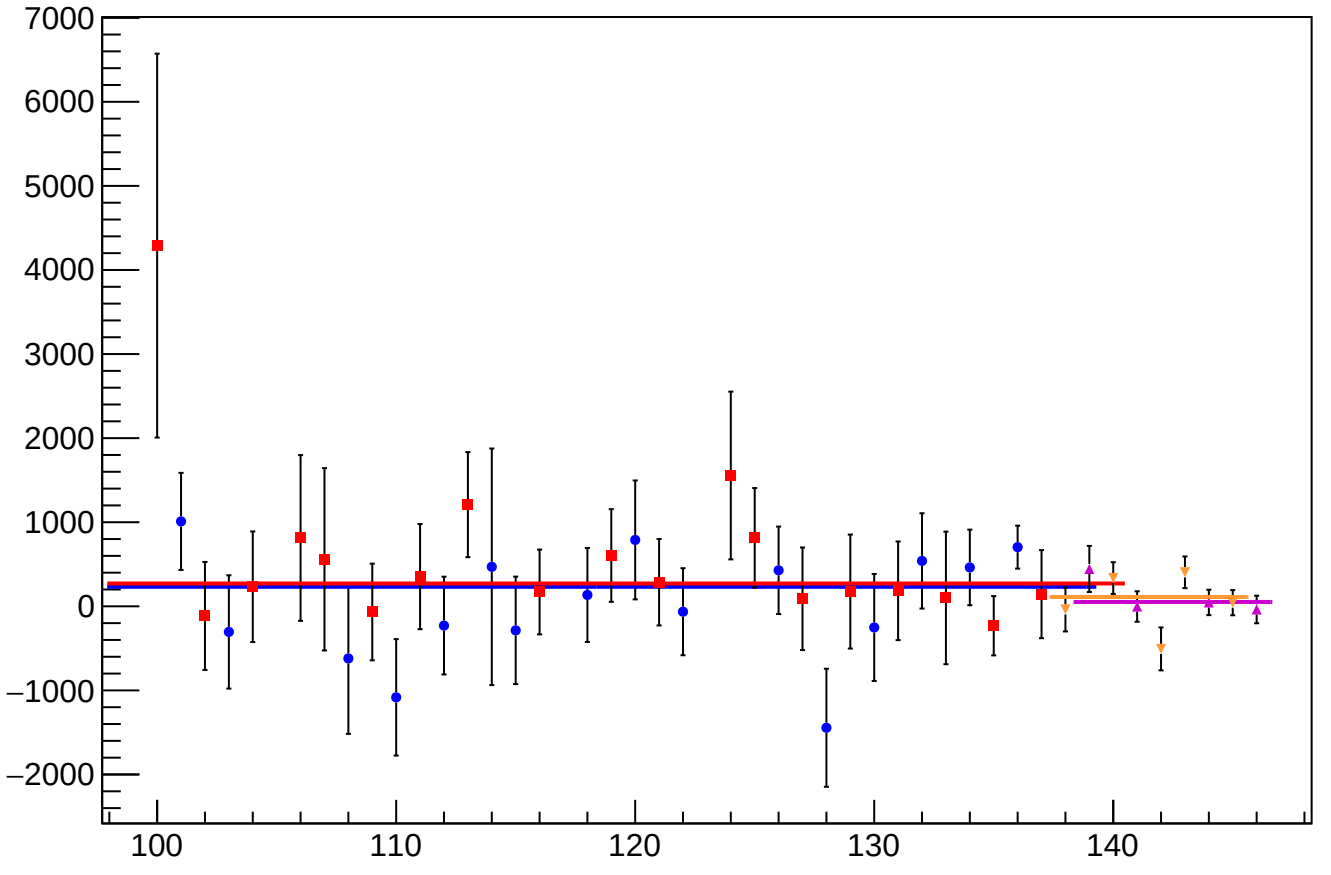
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

+ sign 23.406+/-0.005 χ^2/NDF: 1078027.3/20

All: 23.525+/-0.004 χ^2/NDF: 2336582.7/43

- sign 23.647+/-0.005 χ^2/NDF: 1257480.6/22



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 110.939+/-87.416 χ^2/NDF:10.2/4

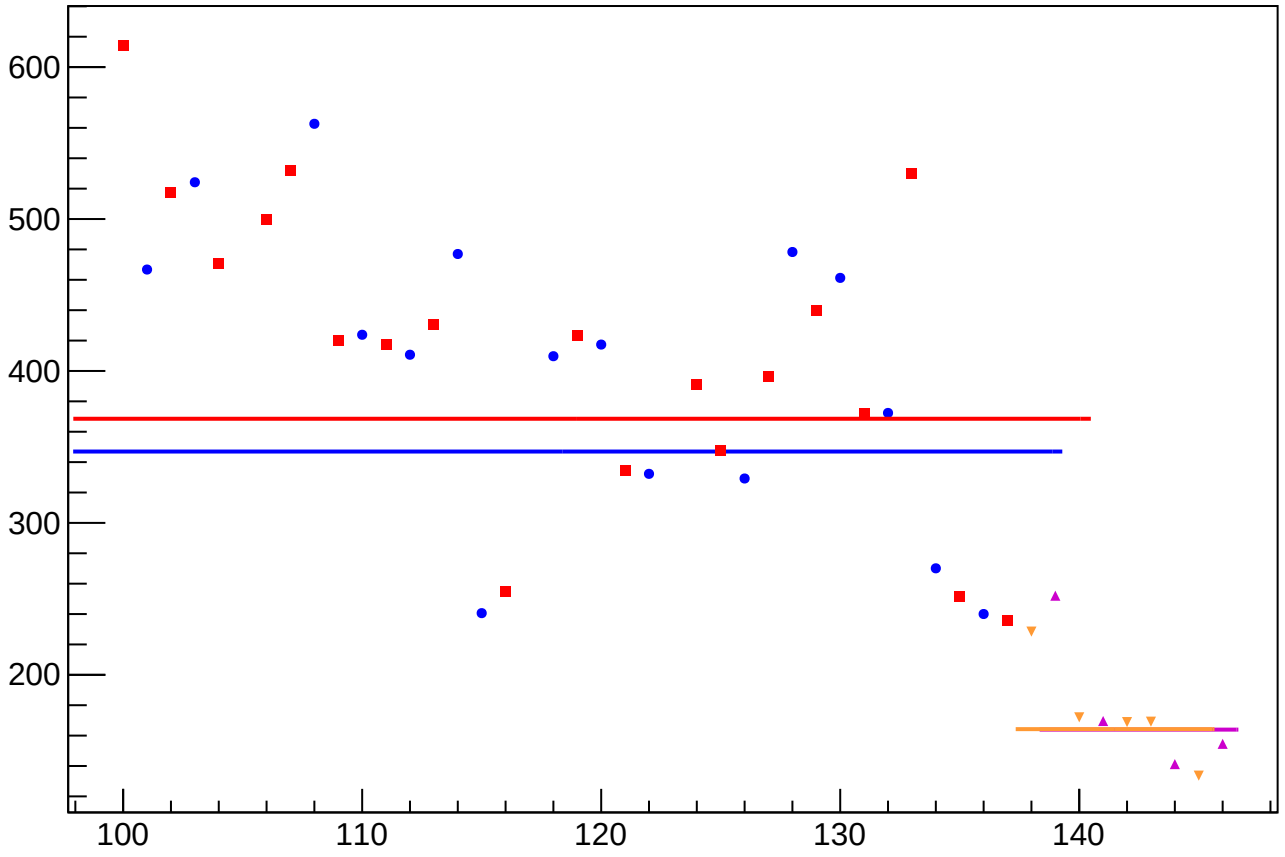
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 51.666+/-89.512 χ^2/NDF:2.4/3

+ sign 146.777+/-73.356 χ^2/NDF: 30.4/20

All: 131.486+/-52.593 χ^2/NDF: 46.3/43

- sign 115.313+/-75.444 χ^2/NDF: 15.8/22



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 164.255+/-0.062 χ^2/NDF:208989.8/4

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

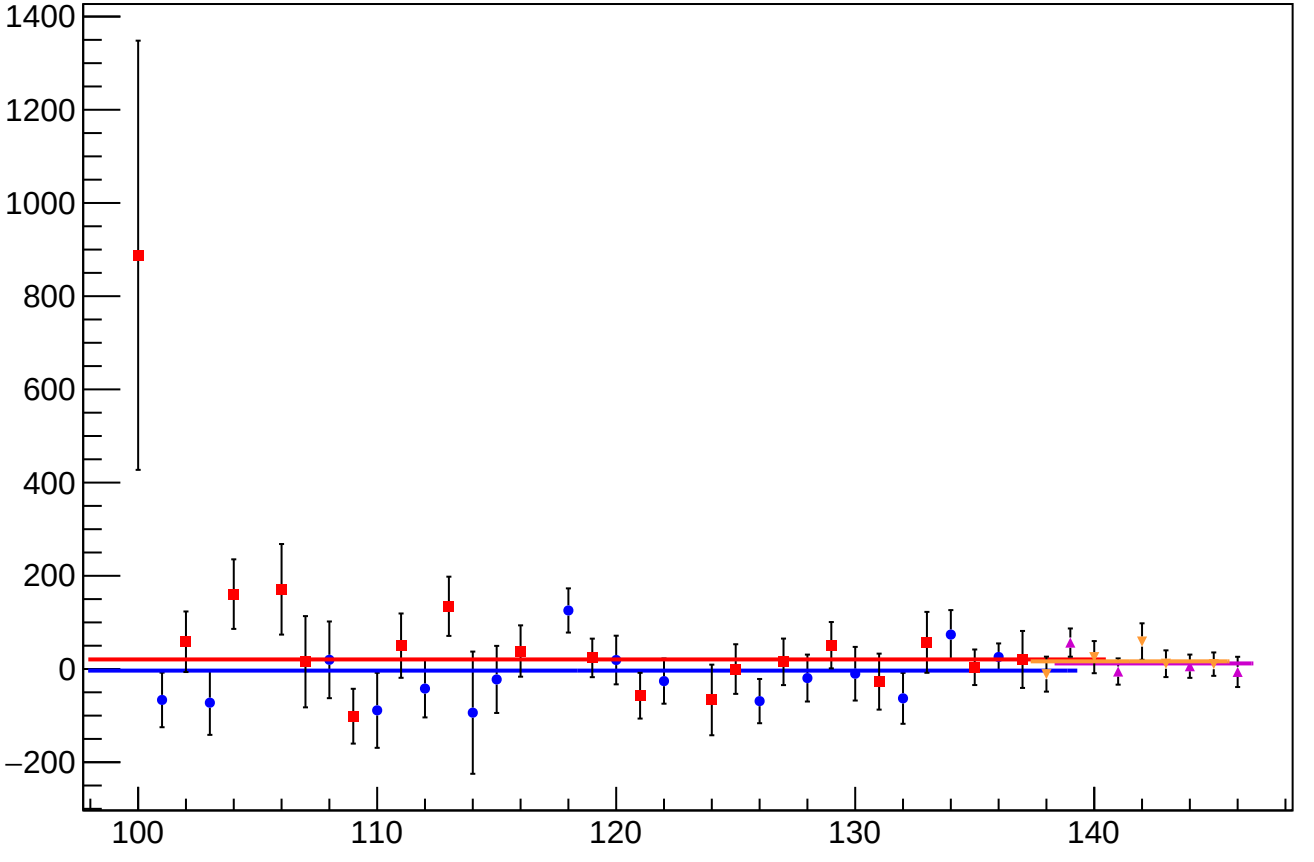
Left In: 163.938+/-0.063 χ^2/NDF:260067.9/3

+ sign 218.306+/-0.052 χ^2/NDF: 3851796.6/20

All: 220.684+/-0.037 χ^2/NDF: 8043003.2/43

- sign 223.200+/-0.053 χ^2/NDF: 4186880.9/22

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 16.458+/-14.134 χ^2/NDF:1.9/4

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

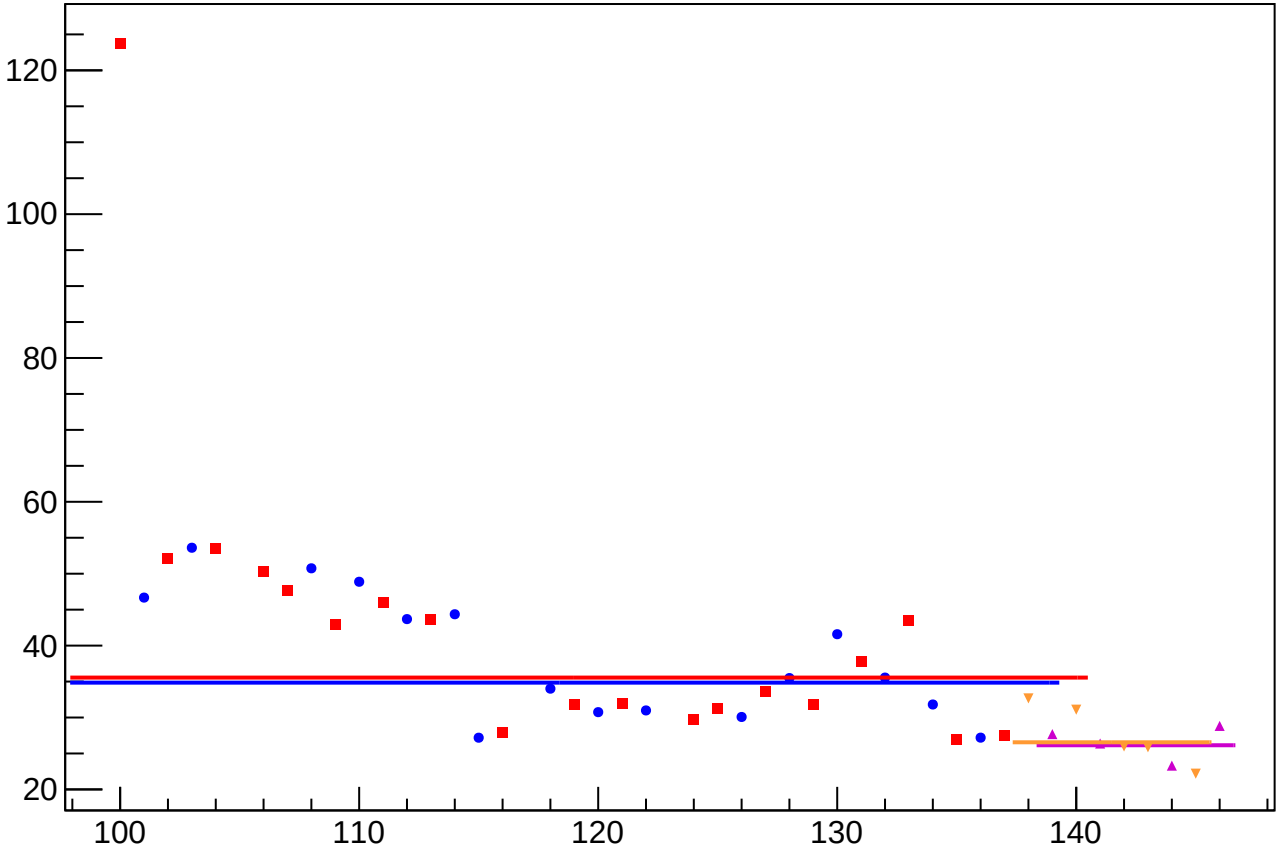
Left In: 11.963+/-14.282 χ^2/NDF:2.9/3

+ sign 5.983+/-9.721 χ^2/NDF: 21.4/20

All: 11.206+/-6.902 χ^2/NDF: 48.2/43

- sign 16.516+/-9.801 χ^2/NDF: 26.3/22

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.555+/-0.010 χ^2/NDF:149605.0/4

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

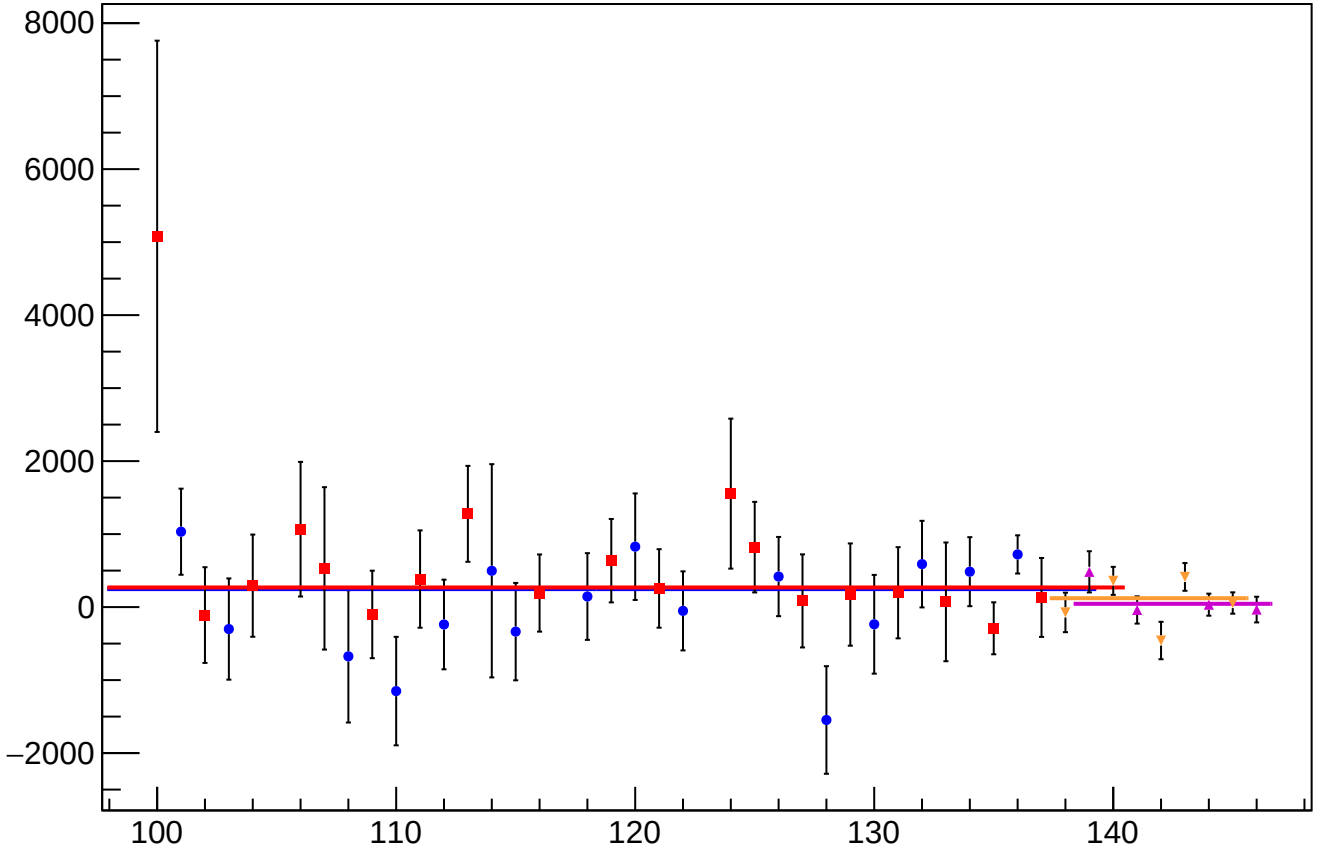
Left In: 26.143+/-0.010 χ^2/NDF:44932.3/3

+ sign 30.926+/-0.007 χ^2/NDF: 1170785.6/20

All: 31.023+/-0.005 χ^2/NDF: 2455301.2/43

- sign 31.121+/-0.007 χ^2/NDF: 1284113.9/22

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 121.697+/-87.577 χ^2/NDF:9.7/4

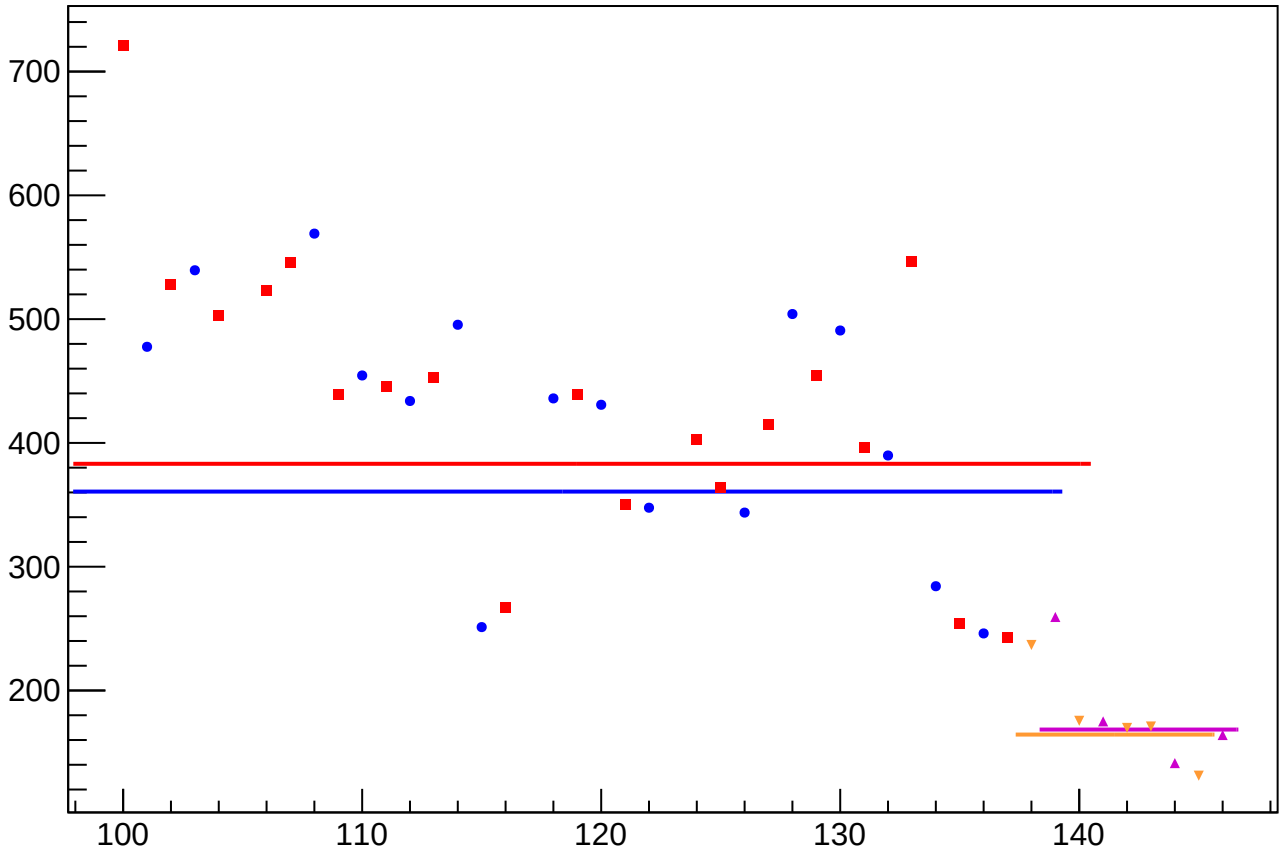
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 45.097+/-92.324 χ^2/NDF:2.8/3

+ sign 156.702+/-74.288 χ^2/NDF: 30.1/20

All: 134.215+/-53.769 χ^2/NDF: 47.4/43

- sign 109.473+/-77.923 χ^2/NDF: 17.1/22



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 164.397+/-0.062 χ^2/NDF:255715.0/4

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

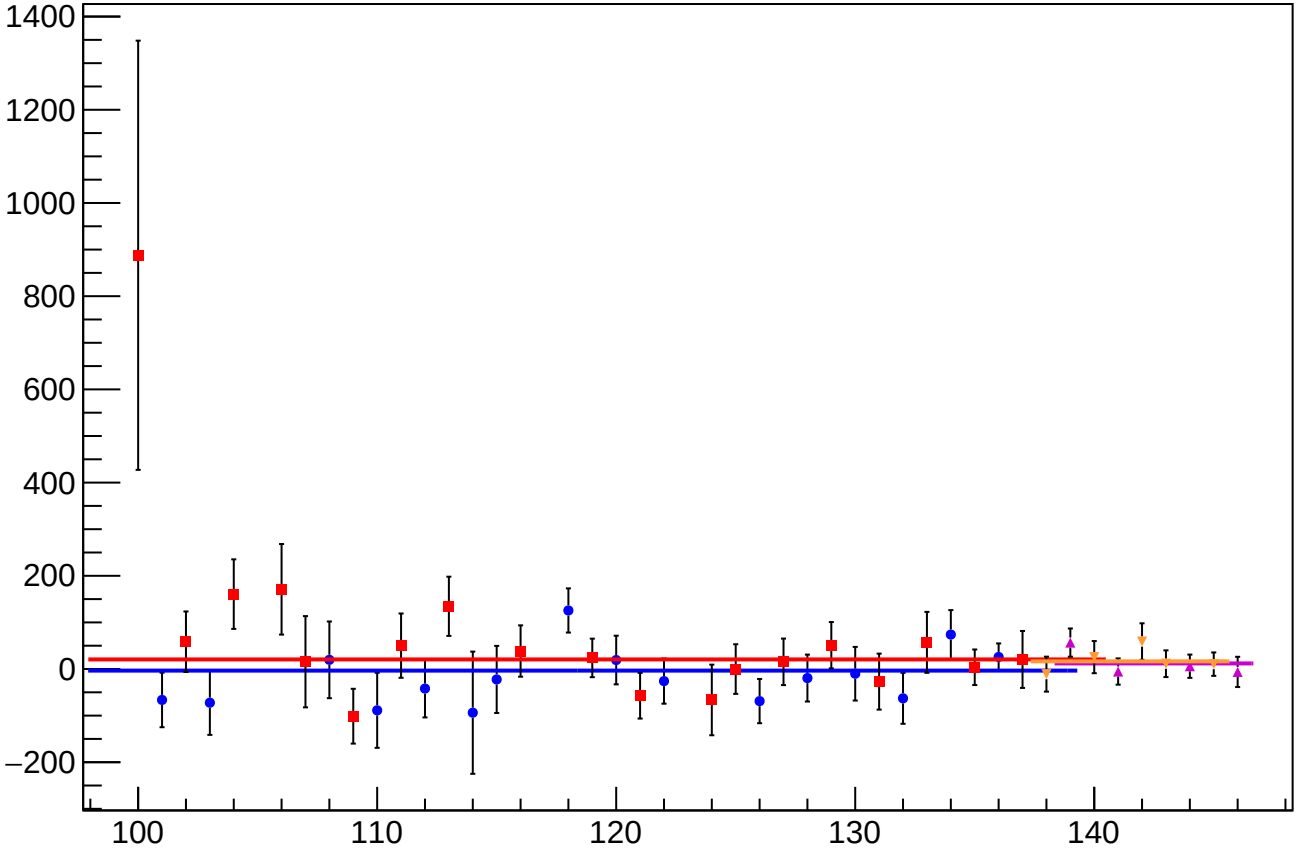
Left In: 168.451+/-0.065 χ^2/NDF:275723.8/3

+ sign 219.451+/-0.053 χ^2/NDF: 4166476.3/20

All: 224.569+/-0.038 χ^2/NDF: 8535669.8/43

- sign 230.200+/-0.055 χ^2/NDF: 4349259.2/22

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 16.459+/-14.134 χ^2/NDF:1.9/4

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

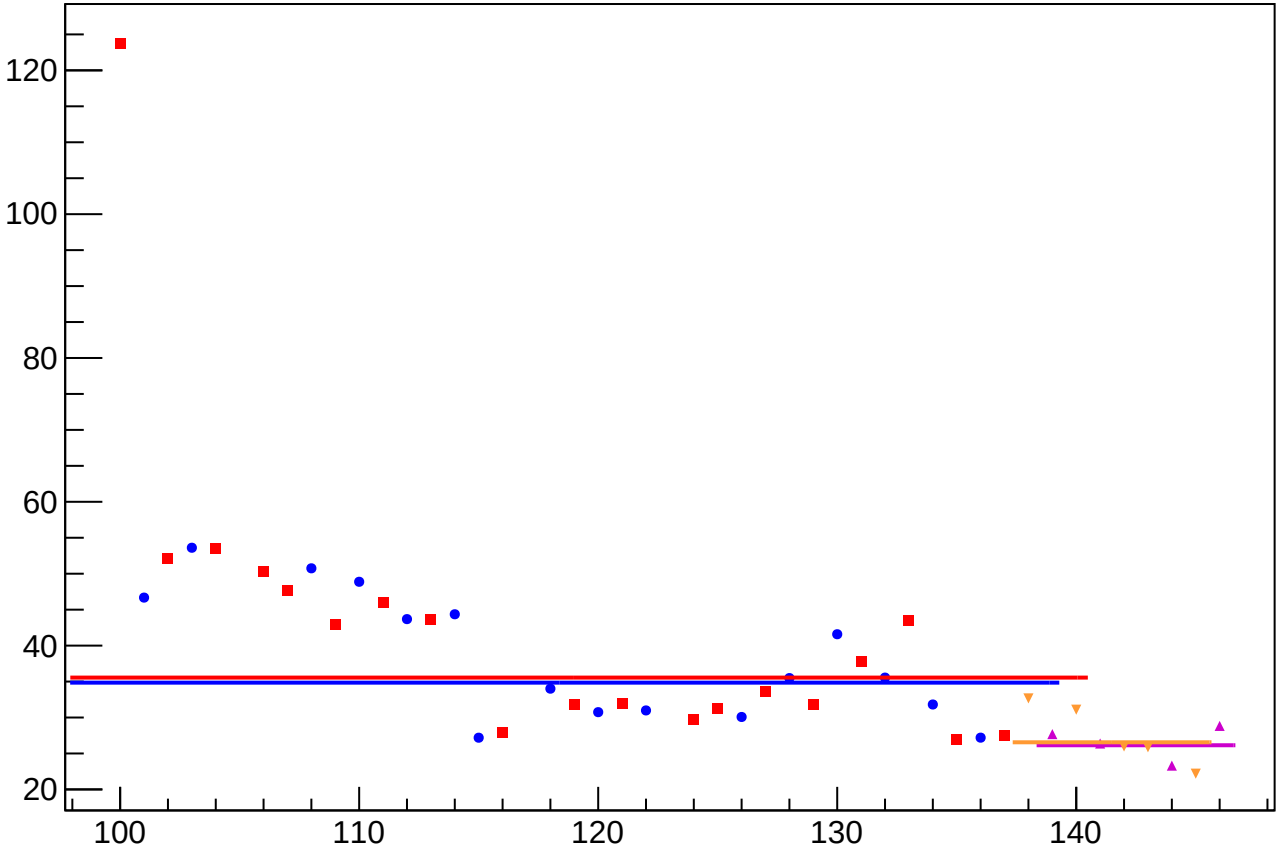
Left In: 11.963+/-14.282 χ^2/NDF:2.9/3

+ sign 5.982+/-9.721 χ^2/NDF: 21.4/20

All: 11.206+/-6.902 χ^2/NDF: 48.2/43

- sign 16.516+/-9.801 χ^2/NDF: 26.3/22

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.555+/-0.010 χ^2/NDF:149588.2/4

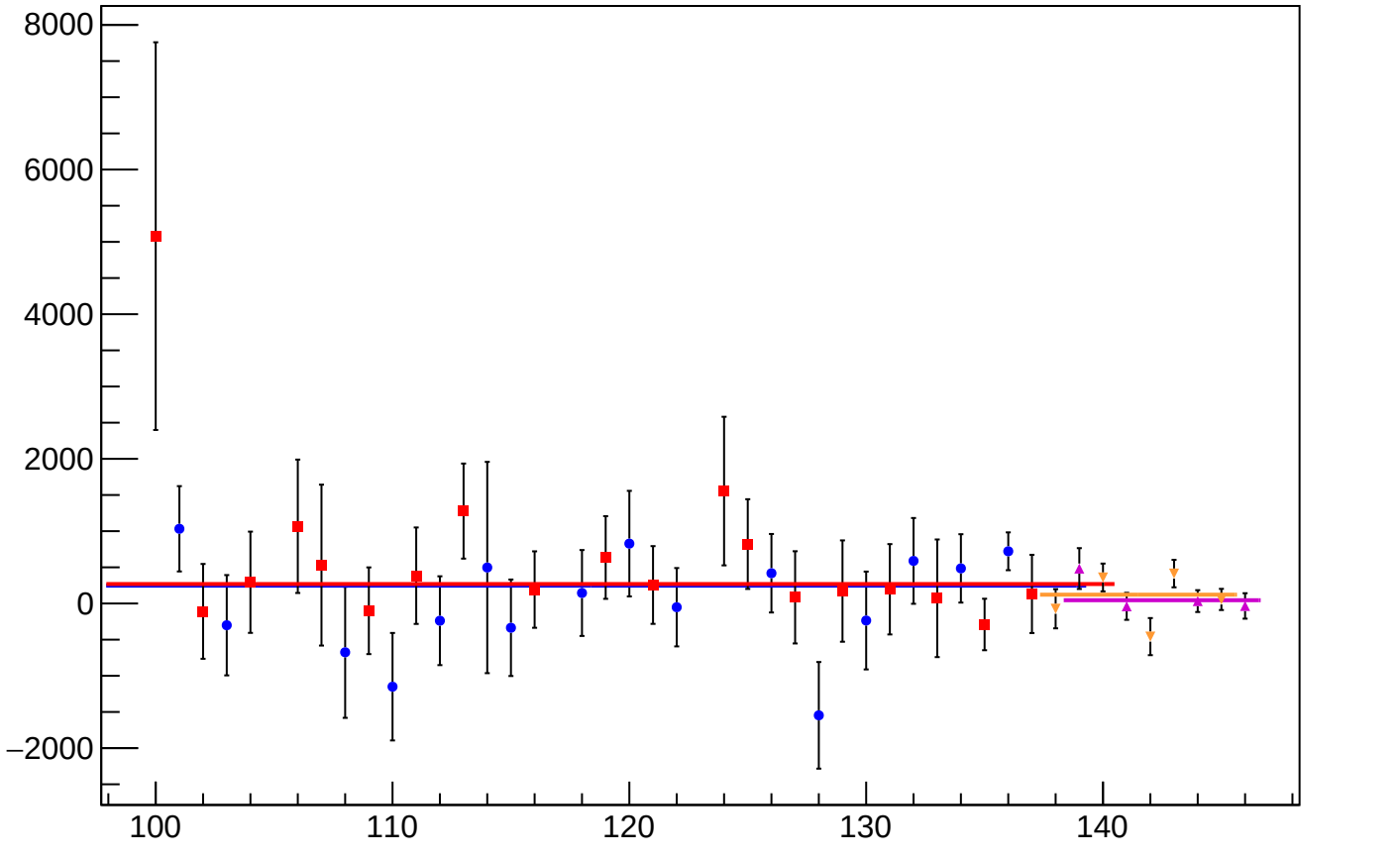
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

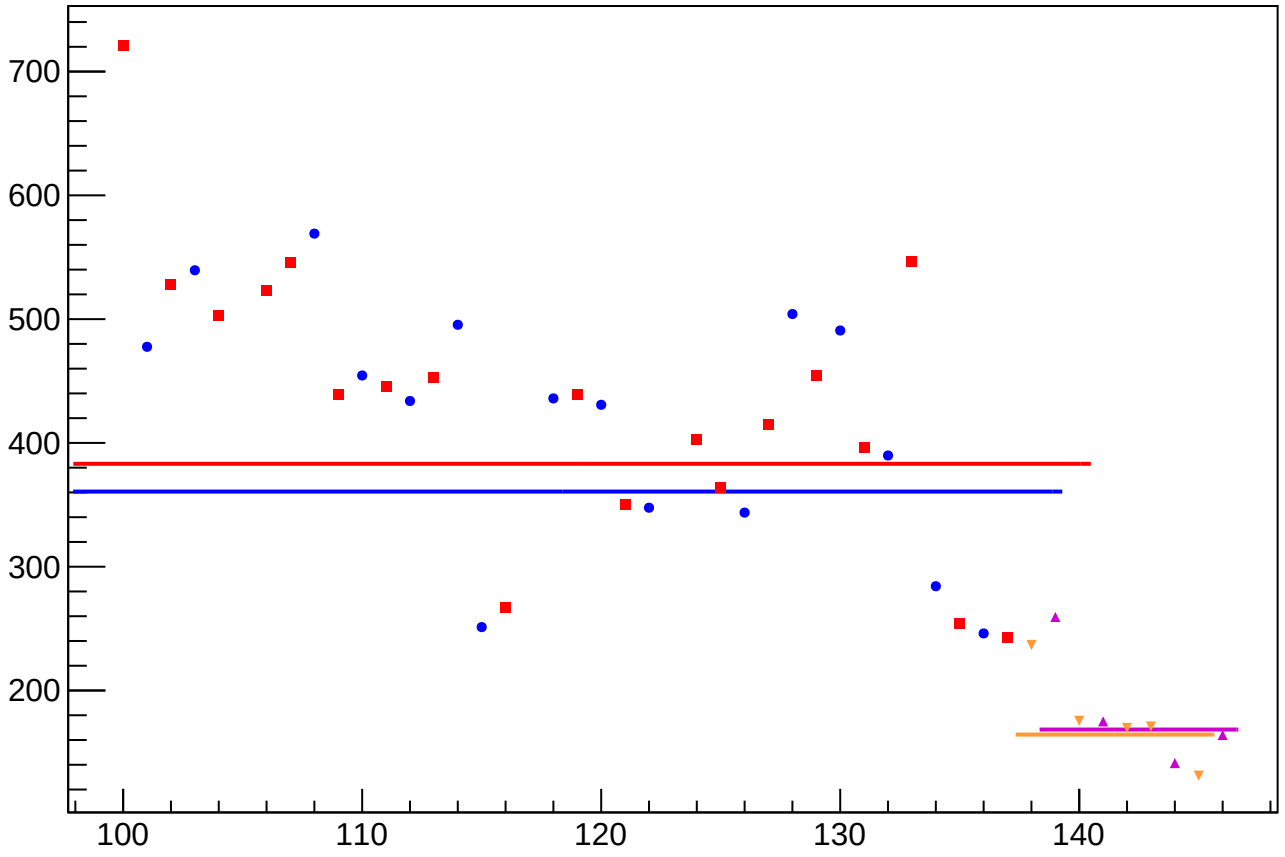
Left In: 26.143+/-0.010 χ^2/NDF:44927.6/3

+ sign 30.926+/-0.007 χ^2/NDF: 1170674.3/20

All: 31.023+/-0.005 χ^2/NDF: 2455125.6/43

- sign 31.121+/-0.007 χ^2/NDF: 1284049.7/22


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
Right In: 246.505+/-140.274 χ²/NDF: 19.8/15
Left Out: 121.697+/-87.577 χ²/NDF:9.7/4
Right Out: 268.913+/-145.295 χ²/NDF: 12.6/18
Left In: 45.097+/-92.324 χ²/NDF:2.8/3
+ sign 156.701+/-74.288 χ²/NDF: 30.1/20
All: 134.215+/-53.769 χ²/NDF: 47.4/43
- sign 109.473+/-77.923 χ²/NDF: 17.1/22



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 164.397+/-0.062 χ^2/NDF:255717.0/4

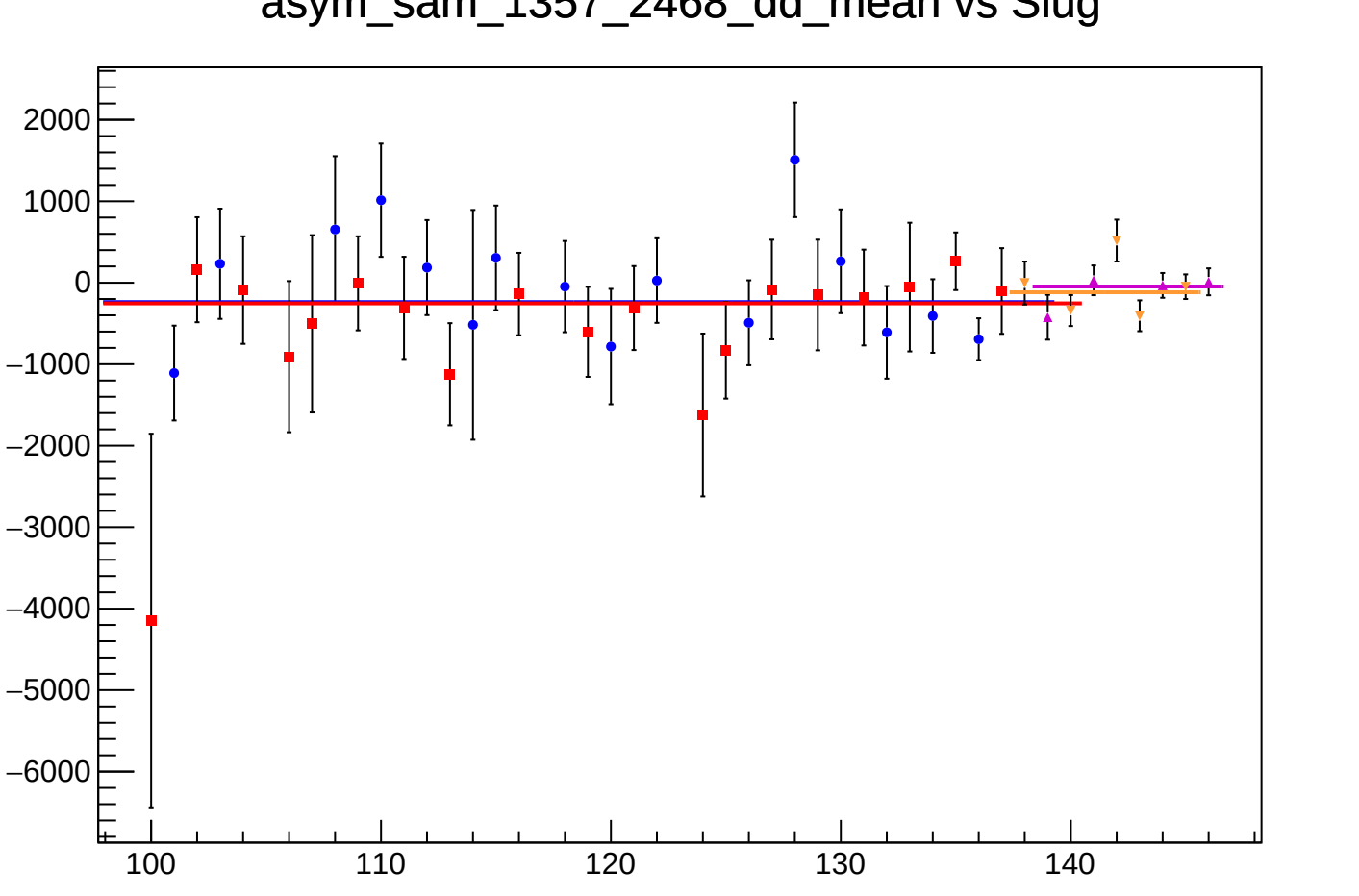
Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 168.451+/-0.065 χ^2/NDF:275719.9/3

+ sign 219.450+/-0.053 χ^2/NDF: 4166485.4/20

All: 224.568+/-0.038 χ^2/NDF: 8535676.0/43

- sign 230.199+/-0.055 χ^2/NDF: 4349254.9/22



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -117.260+/-88.102 χ^2/NDF:10.2/4

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

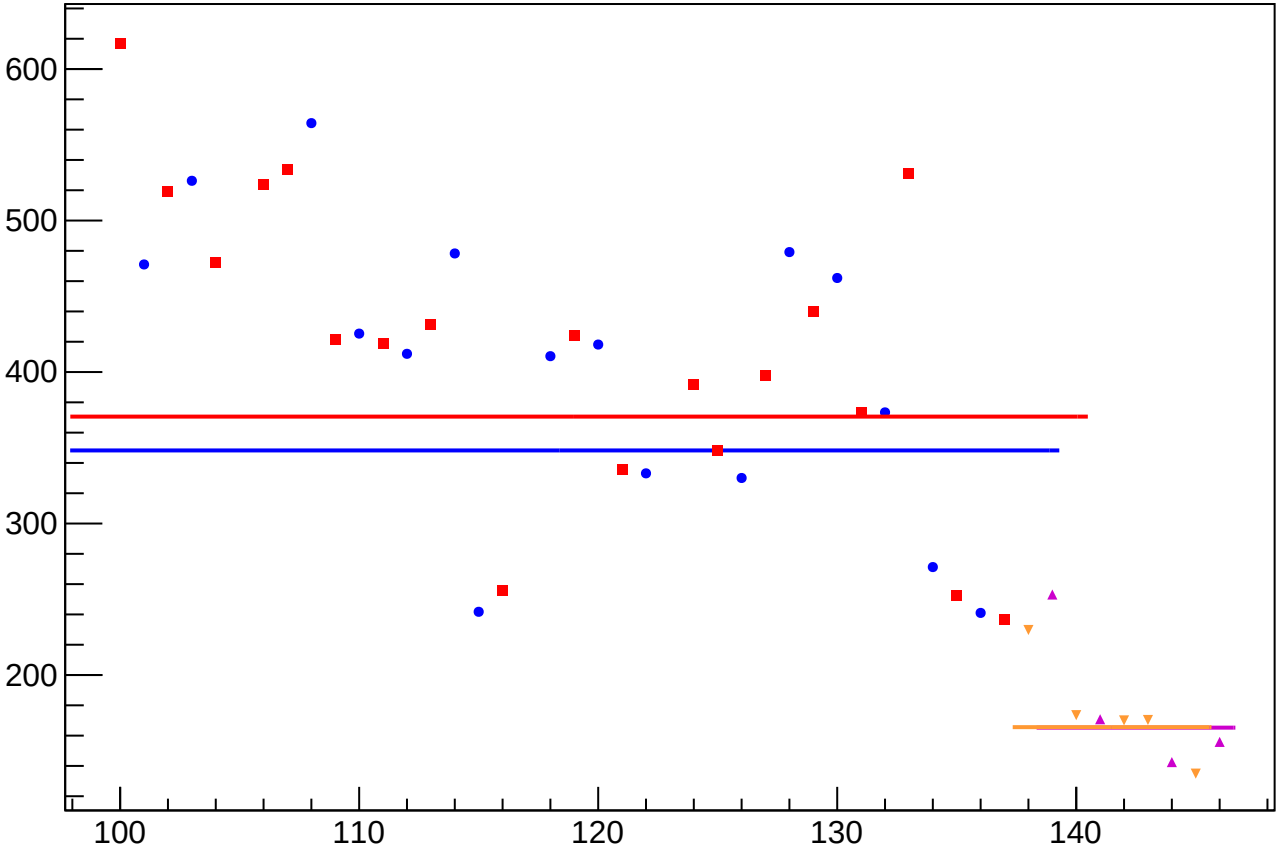
Left In: -46.385+/-90.204 χ^2/NDF:2.2/3

+ sign -153.206+/-73.838 χ^2/NDF: 30.7/20

All: -130.676+/-52.923 χ^2/NDF: 46.3/43

- sign -106.875+/-75.893 χ^2/NDF: 15.4/22

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 165.594+/-0.062 χ^2/NDF:206254.5/4

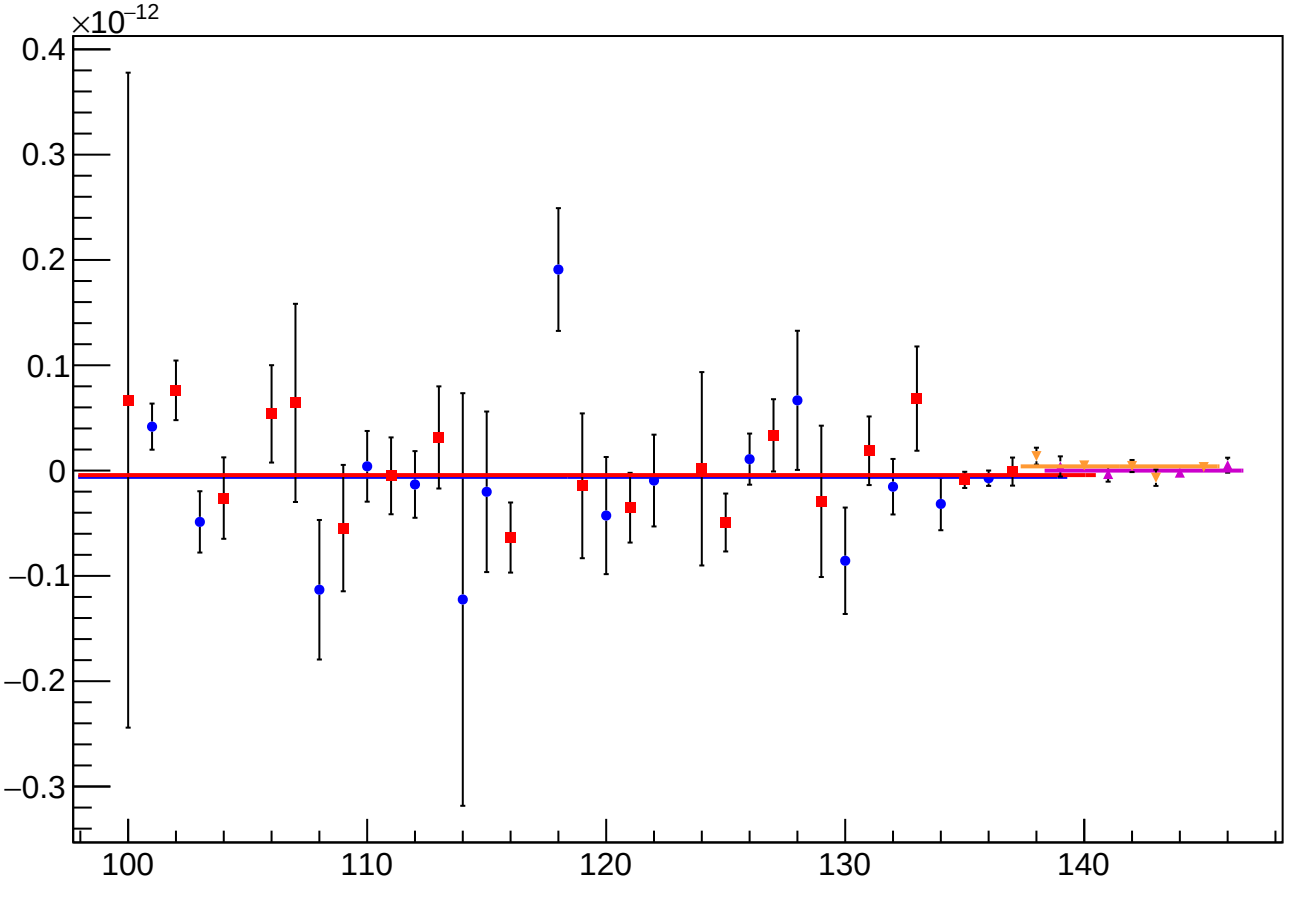
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 165.267+/-0.064 χ^2/NDF:256329.9/3

+ sign 219.955+/-0.052 χ^2/NDF: 3821531.7/20

All: 222.529+/-0.037 χ^2/NDF: 8027781.2/43

- sign 225.248+/-0.054 χ^2/NDF: 4201251.6/22



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/4

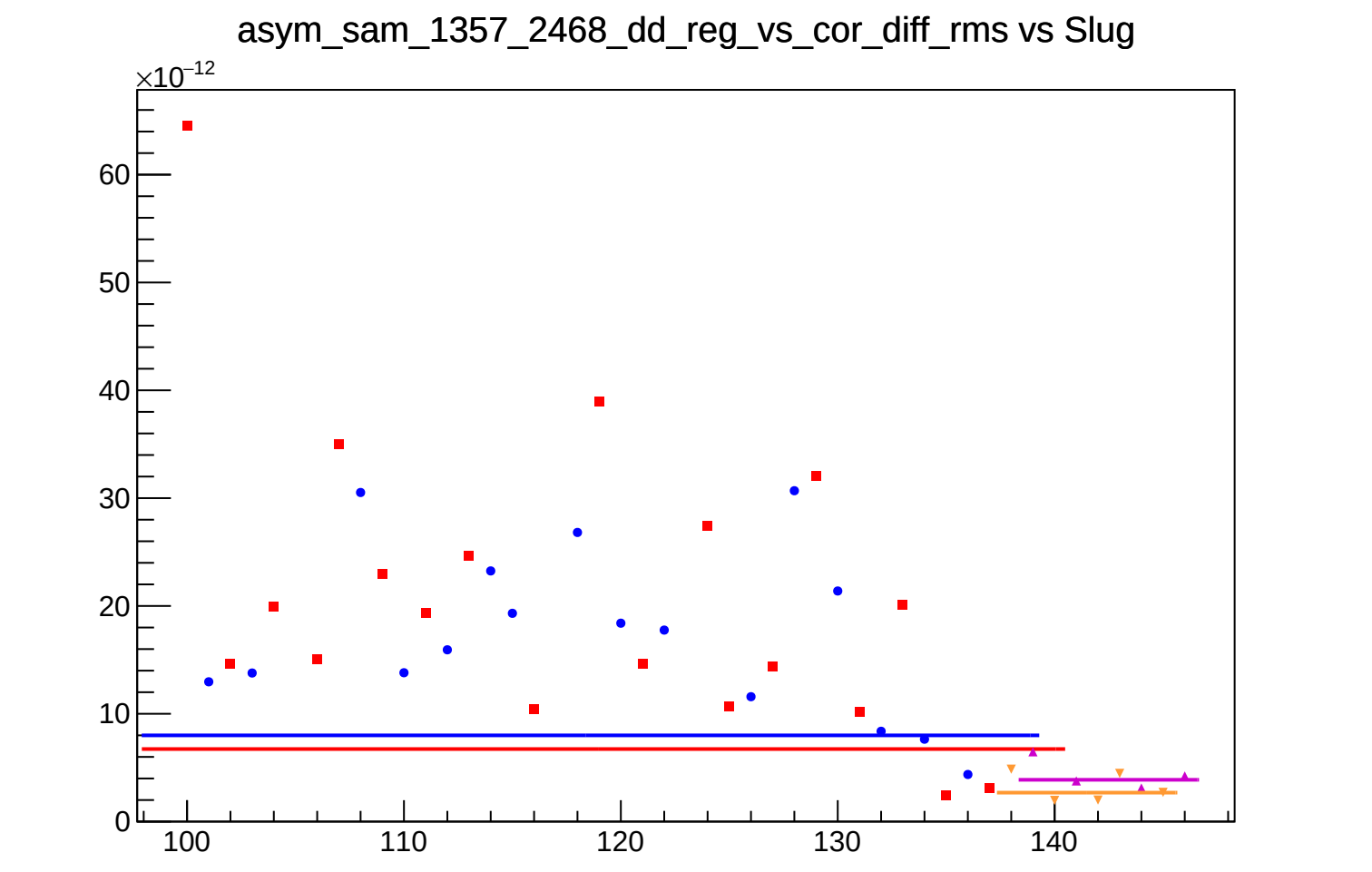
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/20

All: 0.000+/-0.000 χ^2/NDF: 58.8/43

- sign -0.000+/-0.000 χ^2/NDF: 24.5/22



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:344842.2/4

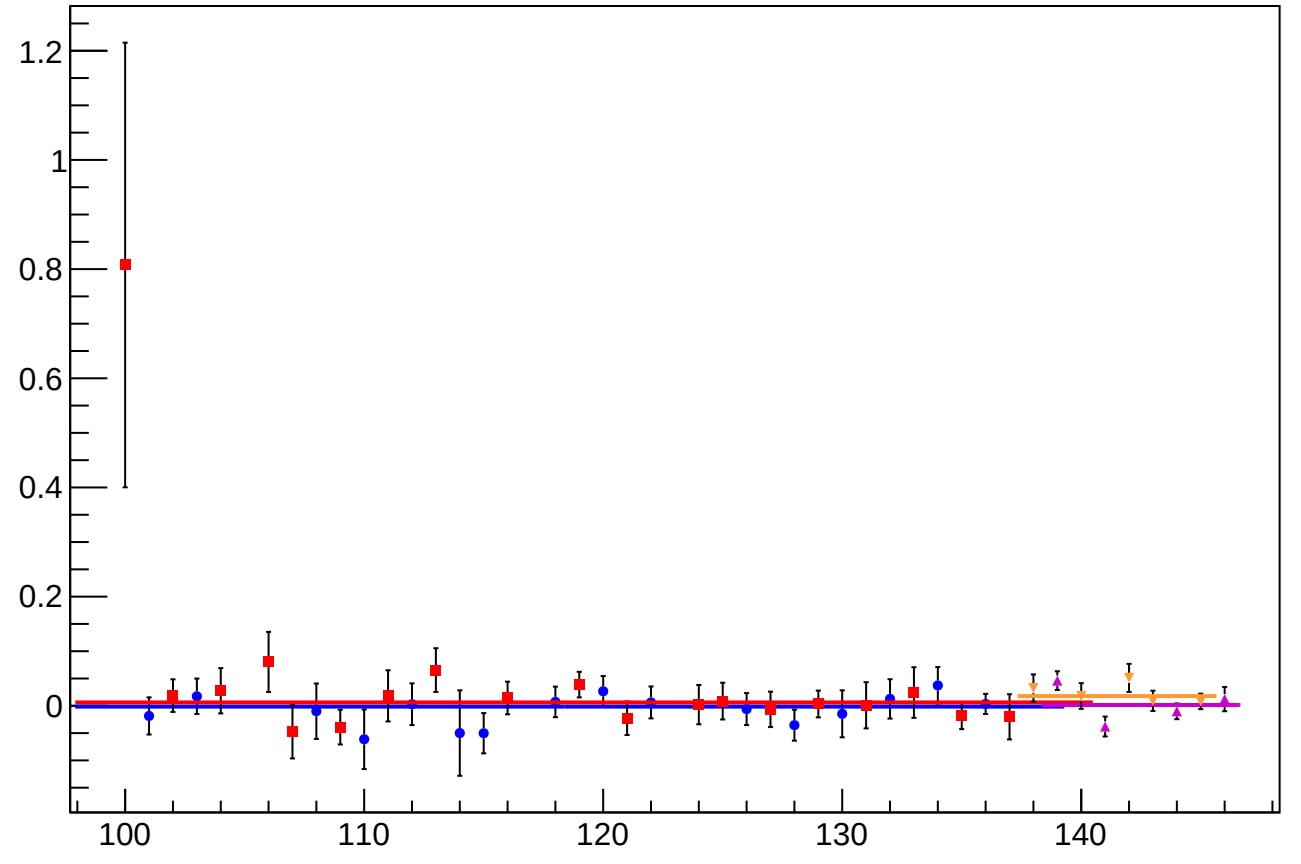
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:203486.4/3

+ sign 0.000+/-0.000 χ^2/NDF: 3771340.8/20

All: 0.000+/-0.000 χ^2/NDF: 7937168.1/43

- sign 0.000+/-0.000 χ^2/NDF: 3974362.0/22



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

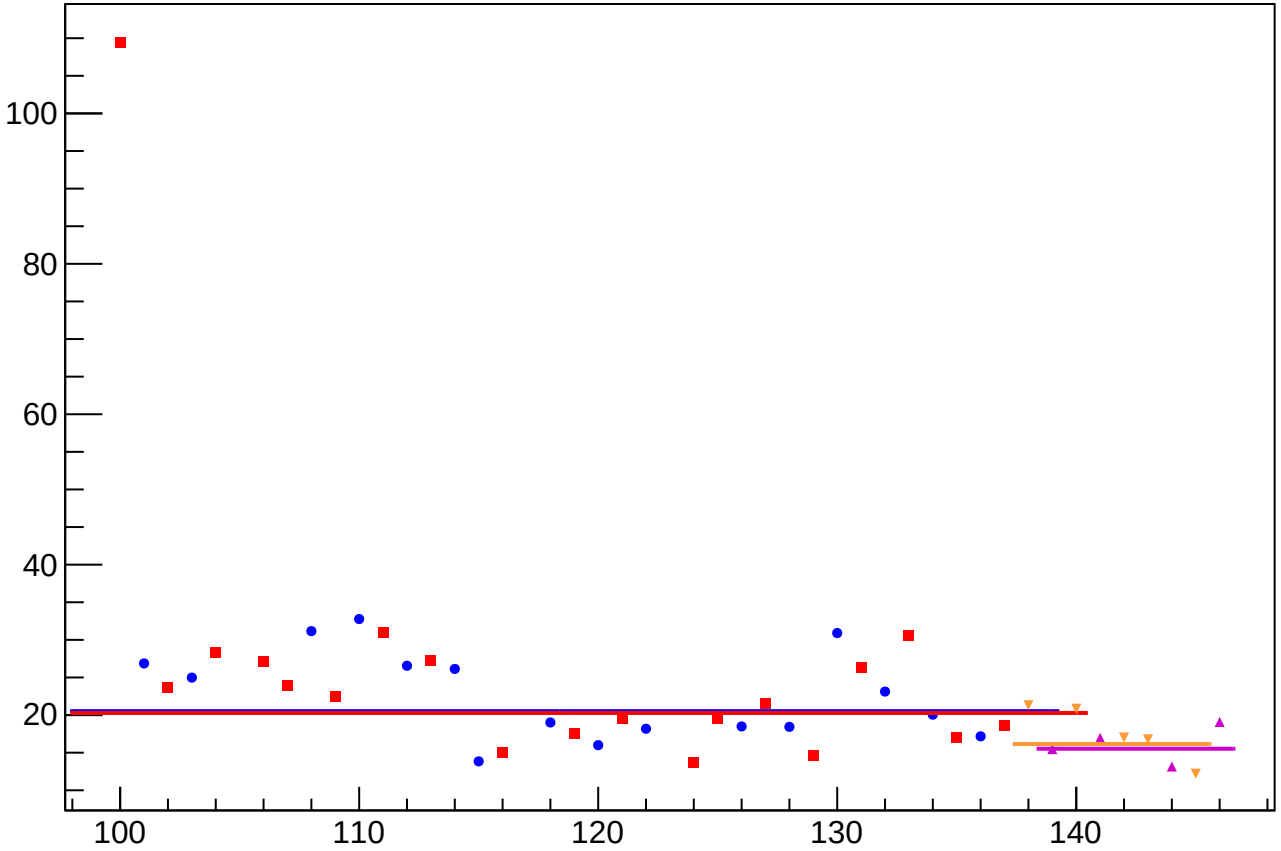
Left In: 0.001+/-0.009 χ^2/NDF:12.4/3

+ sign 0.007+/-0.006 χ^2/NDF: 13.6/20

All: 0.006+/-0.004 χ^2/NDF: 42.5/43

- sign 0.004+/-0.006 χ^2/NDF: 28.8/22

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: 16.151+/-0.006 χ^2/NDF:325204.6/4

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

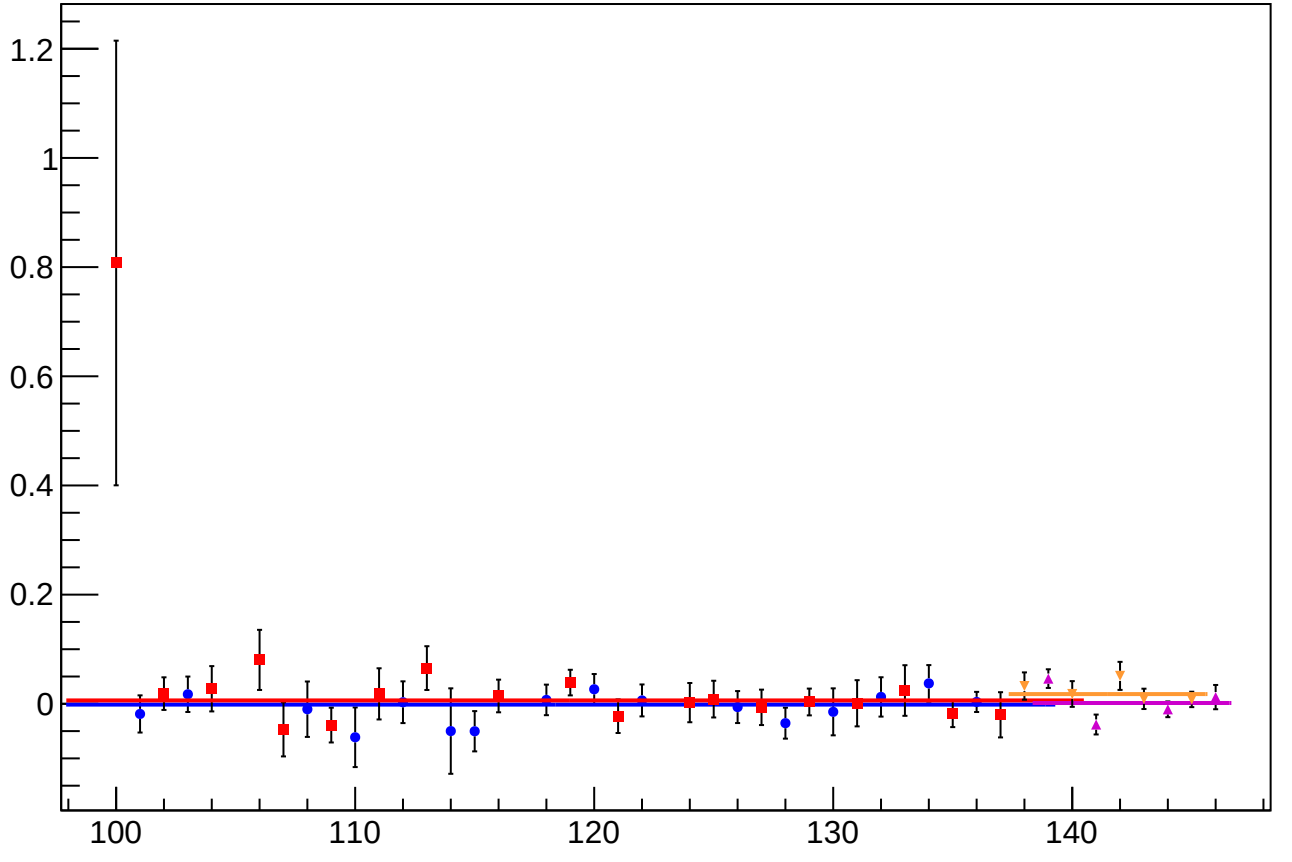
Left In: 15.525+/-0.006 χ^2/NDF:117404.4/3

+ sign 18.536+/-0.004 χ^2/NDF: 1298364.8/20

All: 18.330+/-0.003 χ^2/NDF: 2613997.8/43

- sign 18.131+/-0.004 χ^2/NDF: 1310917.9/22

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

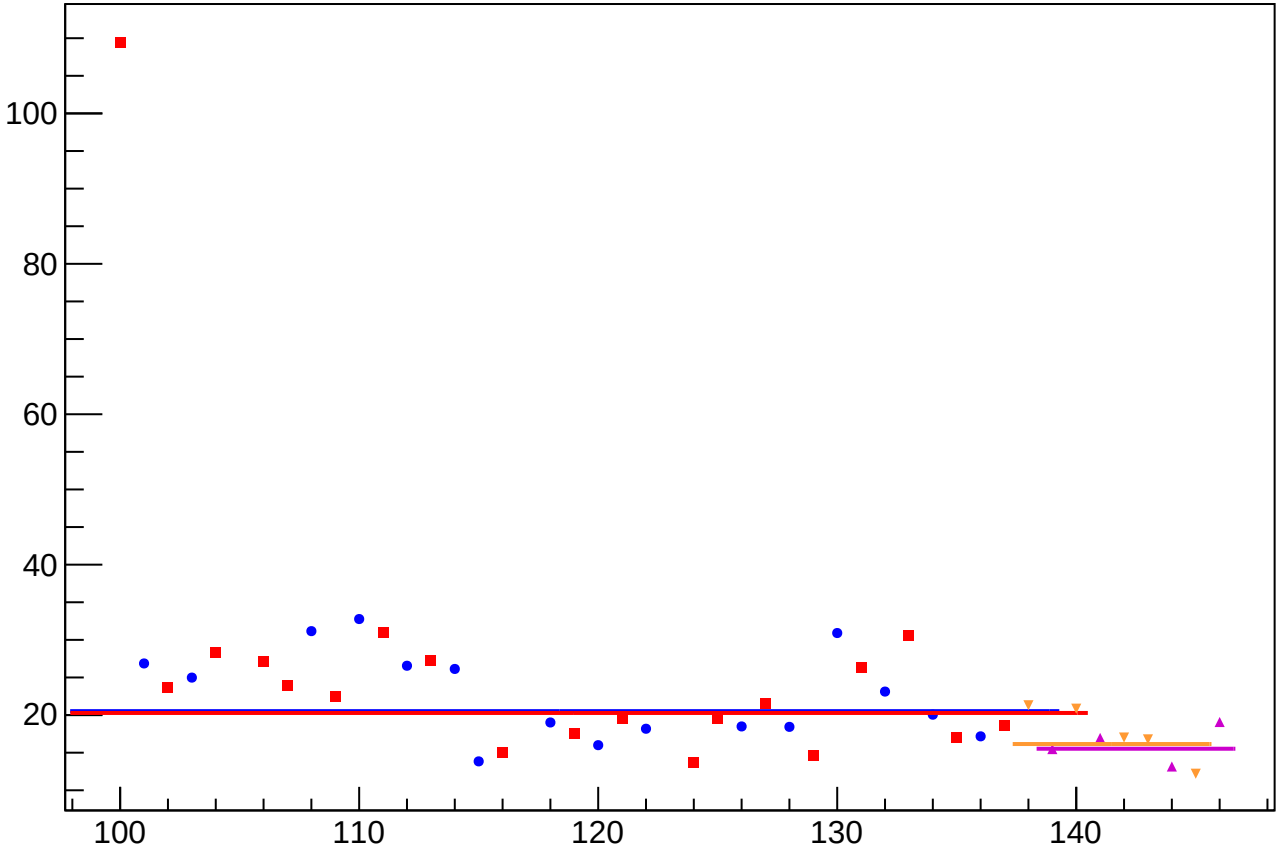
Left In: 0.001+/-0.009 χ^2/NDF:12.4/3

+ sign 0.007+/-0.006 χ^2/NDF: 13.6/20

All: 0.006+/-0.004 χ^2/NDF: 42.5/43

- sign 0.004+/-0.006 χ^2/NDF: 28.8/22

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.151+/-0.006 χ^2/NDF:325204.6/4

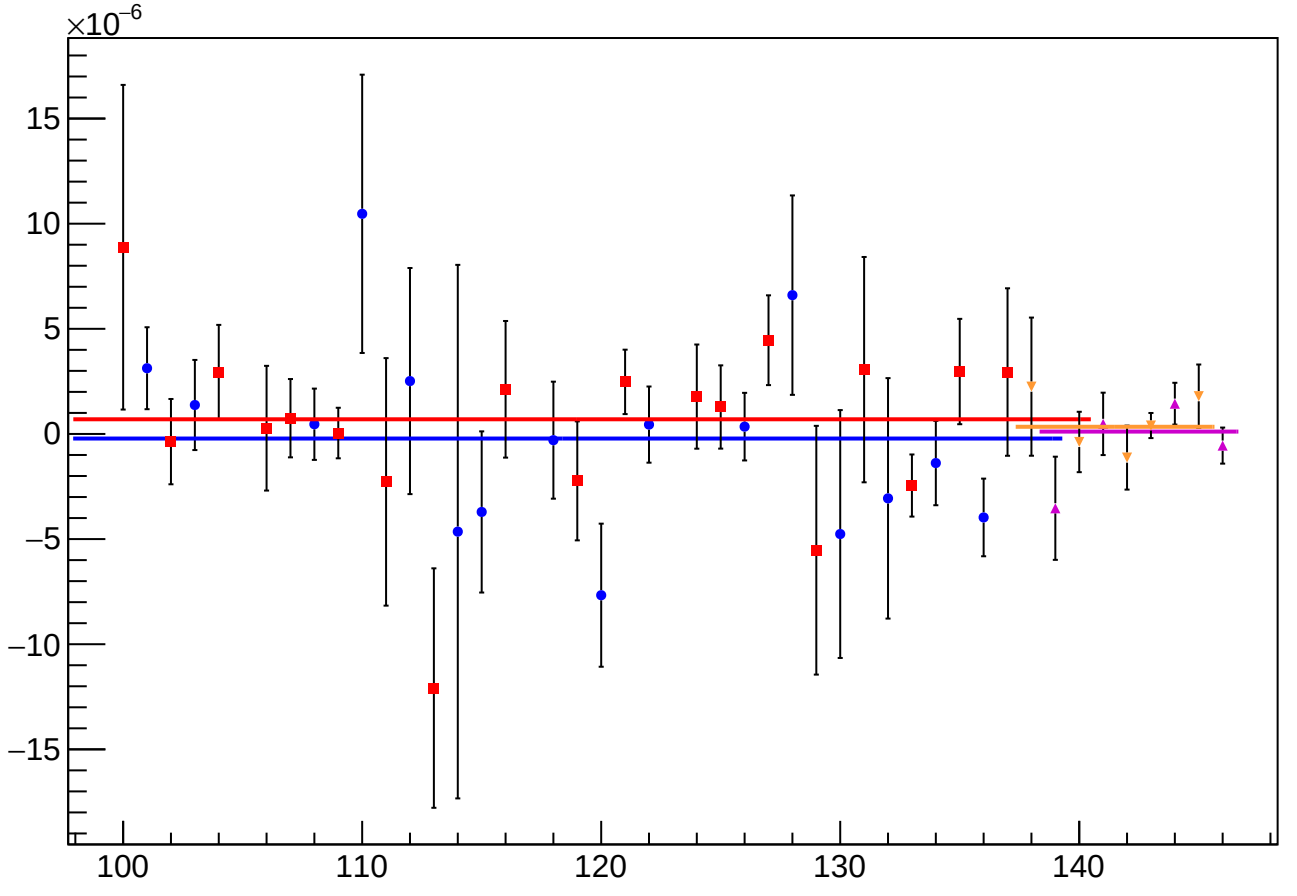
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.525+/-0.006 χ^2/NDF:117404.4/3

+ sign 18.536+/-0.004 χ^2/NDF: 1298364.8/20

All: 18.330+/-0.003 χ^2/NDF: 2613997.8/43

- sign 18.131+/-0.004 χ^2/NDF: 1310917.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/4

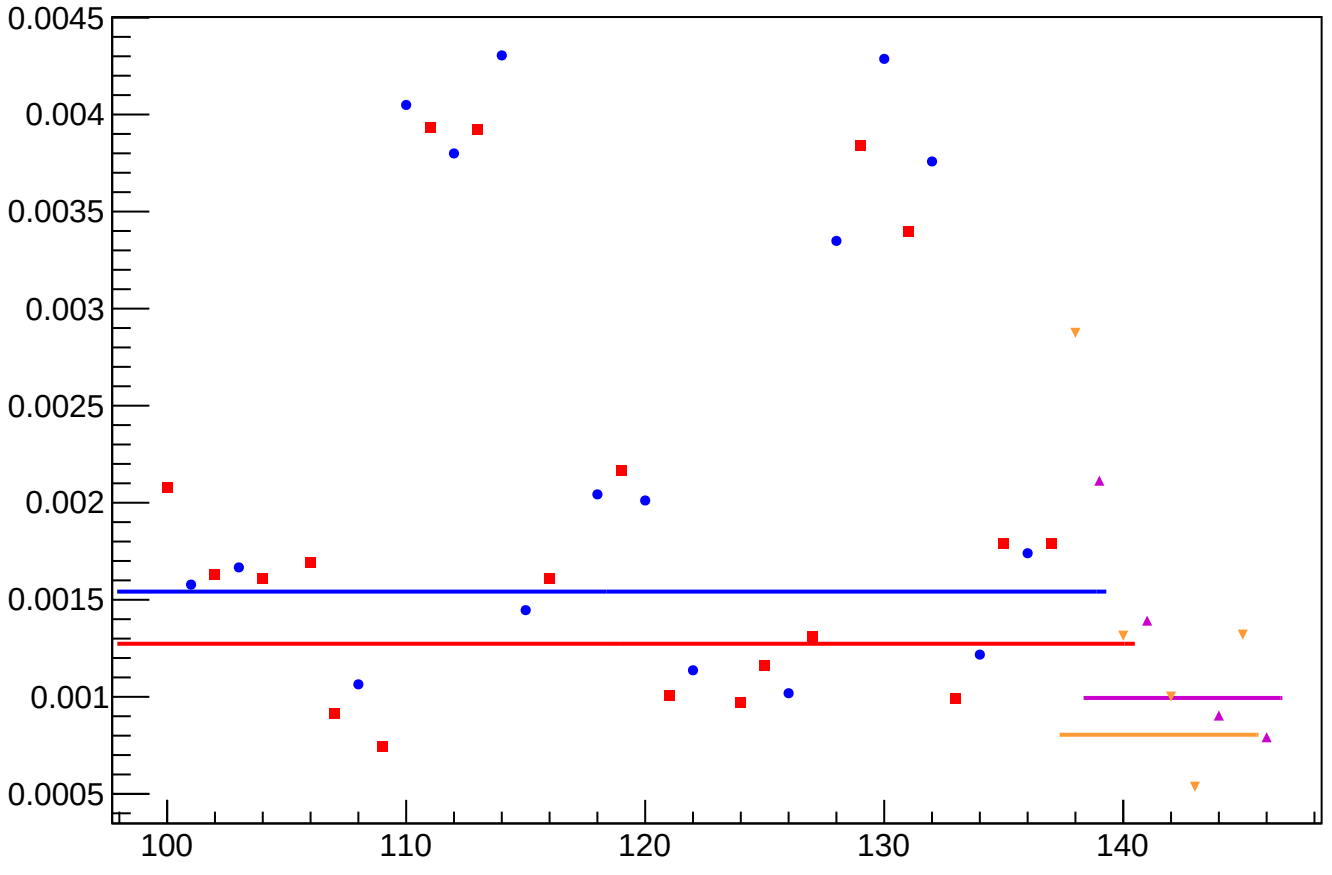
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/3

+ sign 0.000+/-0.000 χ^2/NDF: 22.9/20

All: 0.000+/-0.000 χ^2/NDF: 49.4/43

- sign 0.000+/-0.000 χ^2/NDF: 26.2/22



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1716411.2/4

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

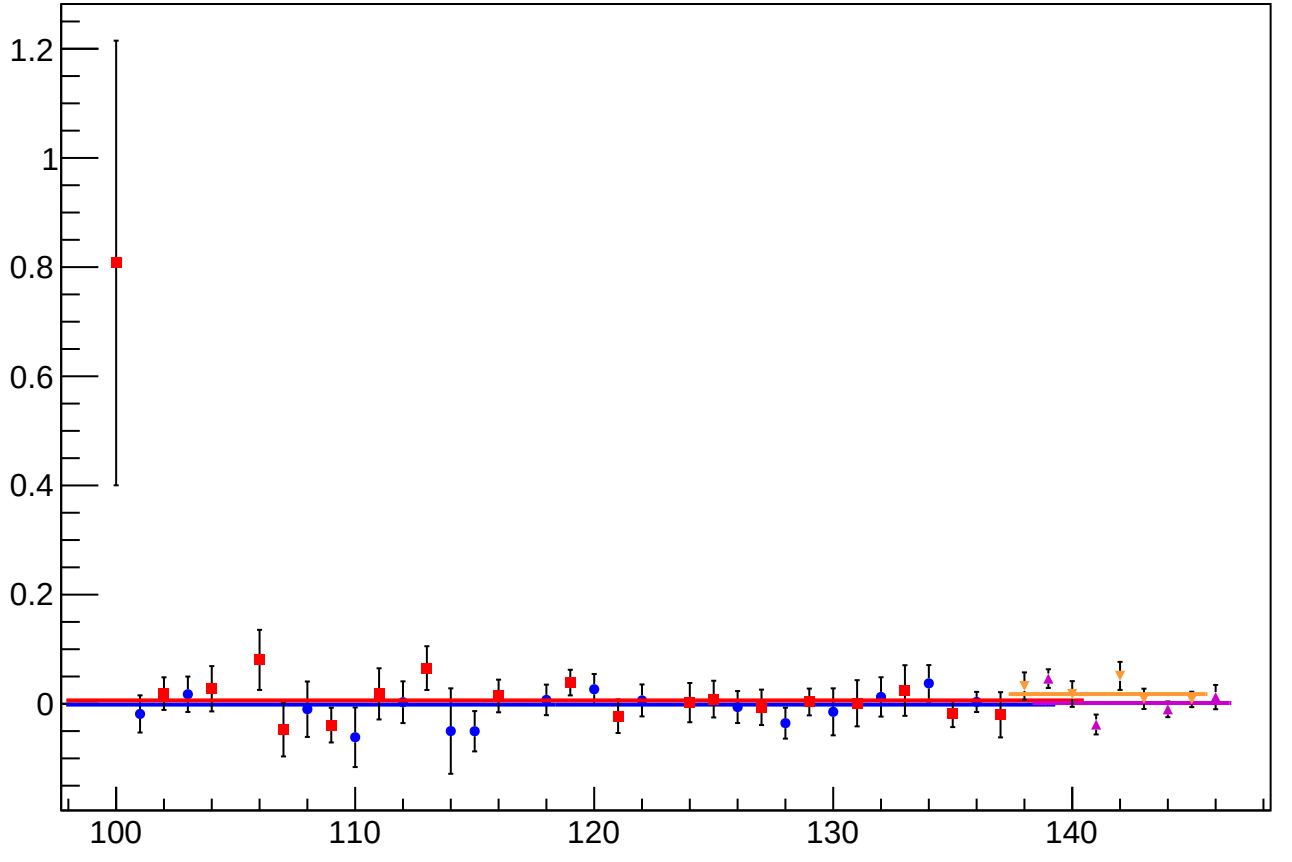
Left In: 0.001+/-0.000 χ^2/NDF:688677.7/3

+ sign 0.001+/-0.000 χ^2/NDF: 5852273.1/20

All: 0.001+/-0.000 χ^2/NDF: 9496239.5/43

- sign 0.001+/-0.000 χ^2/NDF: 3612099.3/22

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

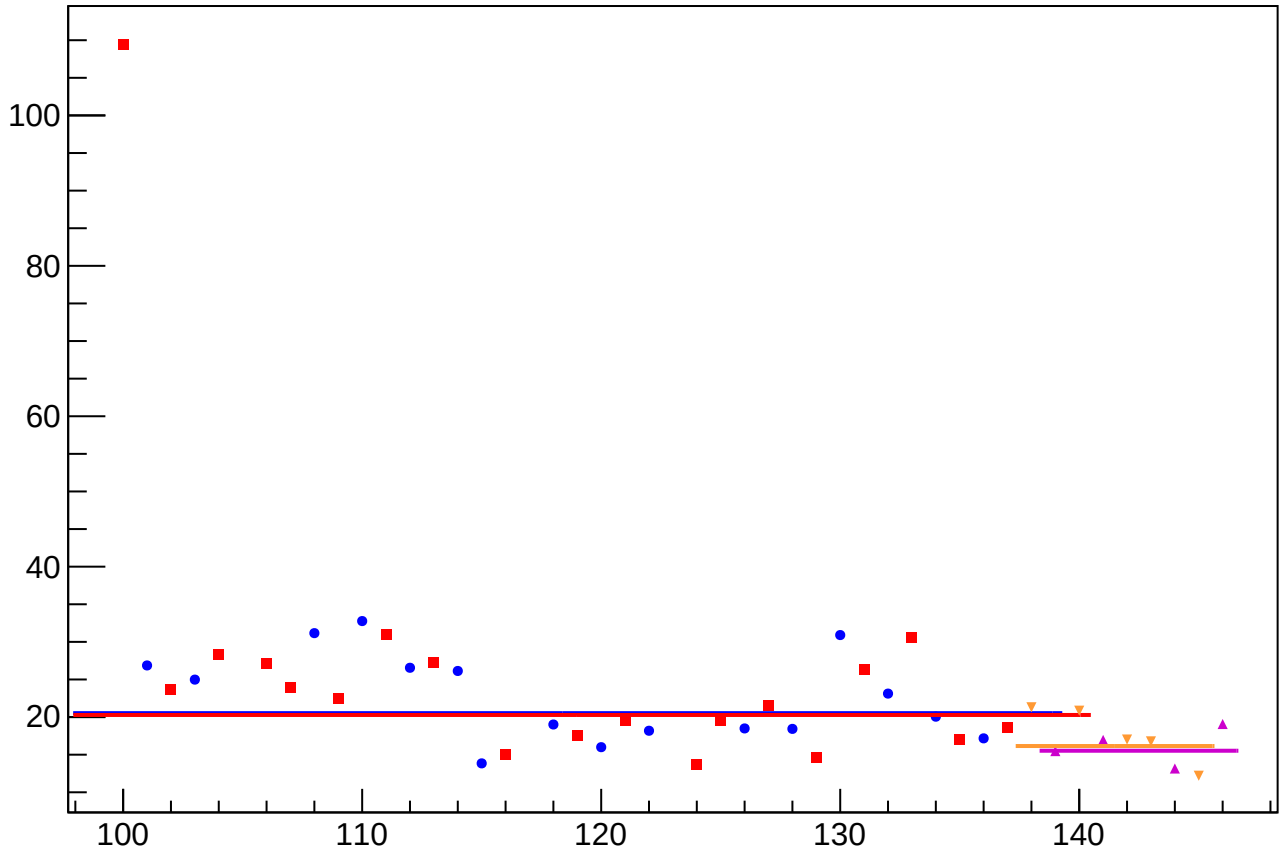
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.009 χ^2/NDF:12.4/3

+ sign 0.007+/-0.006 χ^2/NDF: 13.6/20

All: 0.006+/-0.004 χ^2/NDF: 42.5/43

- sign 0.004+/-0.006 χ^2/NDF: 28.8/22



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.151+/-0.006 χ^2/NDF:325136.5/4

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

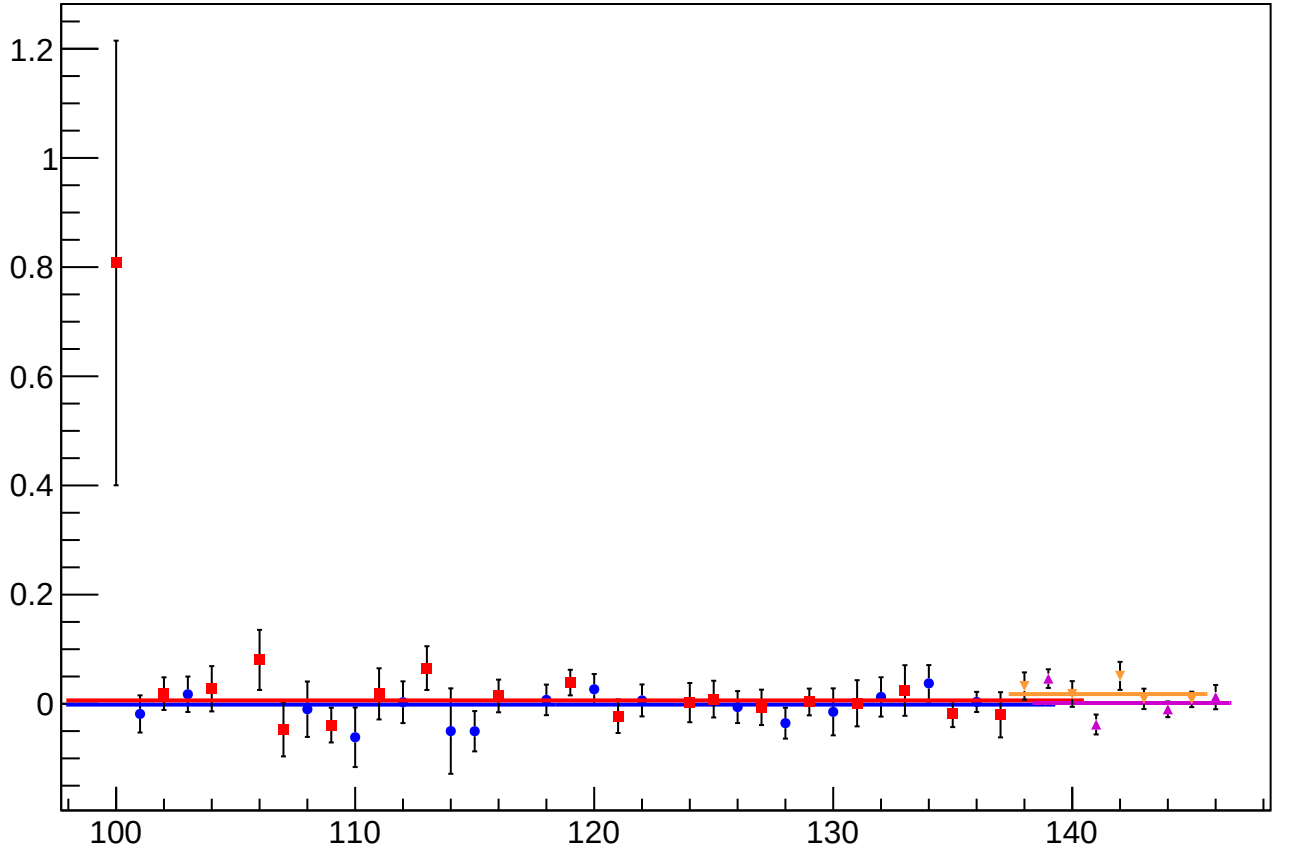
Left In: 15.524+/-0.006 χ^2/NDF:117399.5/3

\+ sign 18.536+/-0.004 χ^2/NDF: 1298082.8/20

All: 18.329+/-0.003 χ^2/NDF: 2613653.6/43

\- sign 18.131+/-0.004 χ^2/NDF: 1310849.7/22

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

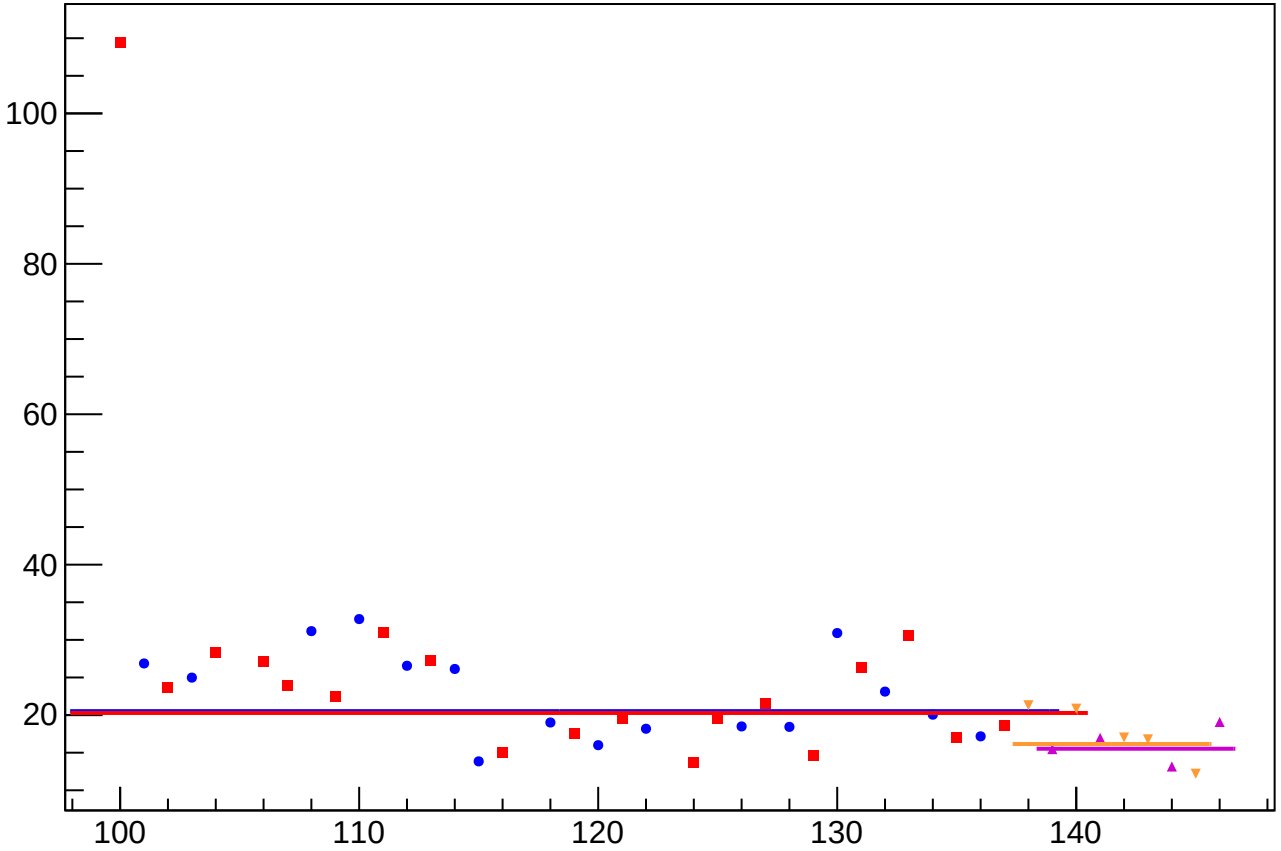
Left In: 0.002+/-0.009 χ^2/NDF:12.4/3

+ sign 0.007+/-0.006 χ^2/NDF: 13.6/20

All: 0.006+/-0.004 χ^2/NDF: 42.5/43

- sign 0.004+/-0.006 χ^2/NDF: 28.8/22

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.151+/-0.006 χ^2/NDF:325136.5/4

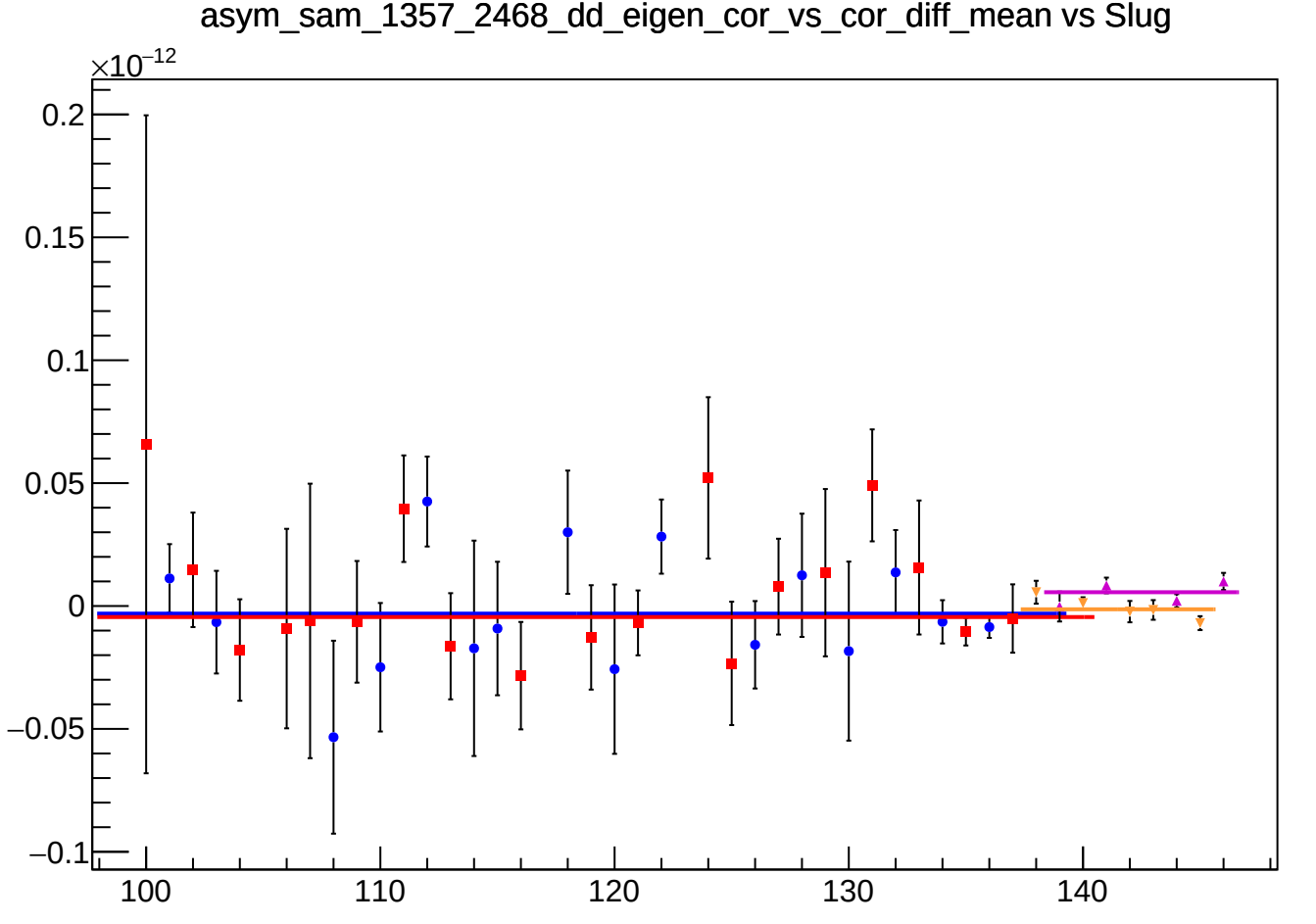
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.524+/-0.006 χ^2/NDF:117399.5/3

\+ sign 18.536+/-0.004 χ^2/NDF: 1298082.8/20

All: 18.329+/-0.003 χ^2/NDF: 2613653.6/43

\- sign 18.131+/-0.004 χ^2/NDF: 1310849.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/4

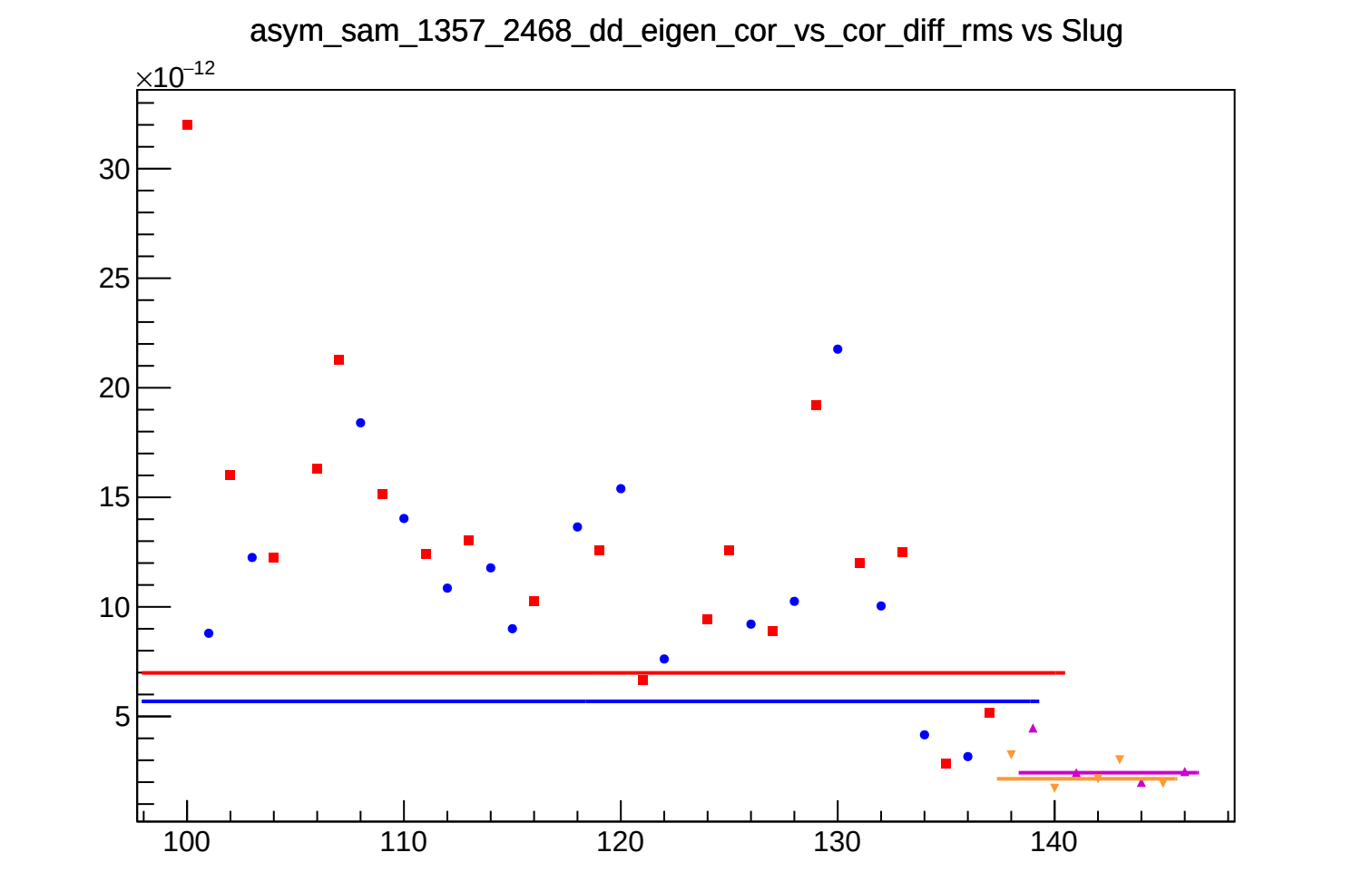
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/3

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/20

All: 0.000+/-0.000 χ^2/NDF: 64.3/43

- sign 0.000+/-0.000 χ^2/NDF: 29.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:281545.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

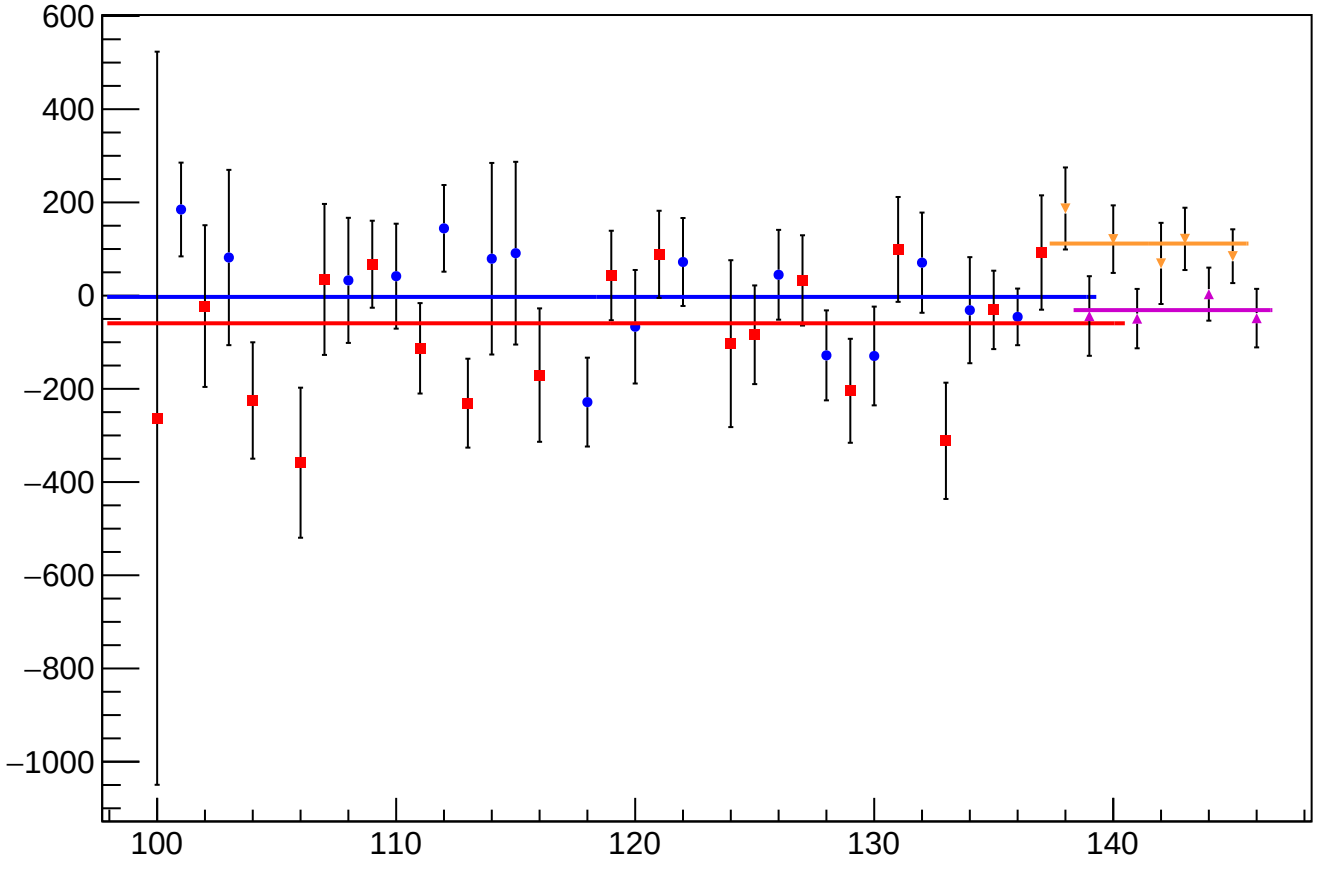
Left In: 0.000+/-0.000 χ^2/NDF:278995.1/3

+ sign 0.000+/-0.000 χ^2/NDF: 4946861.0/20

All: 0.000+/-0.000 χ^2/NDF: 10744661.6/43

- sign 0.000+/-0.000 χ^2/NDF: 5714144.8/22

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 111.725+/-32.016 χ^2/NDF:1.2/4

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

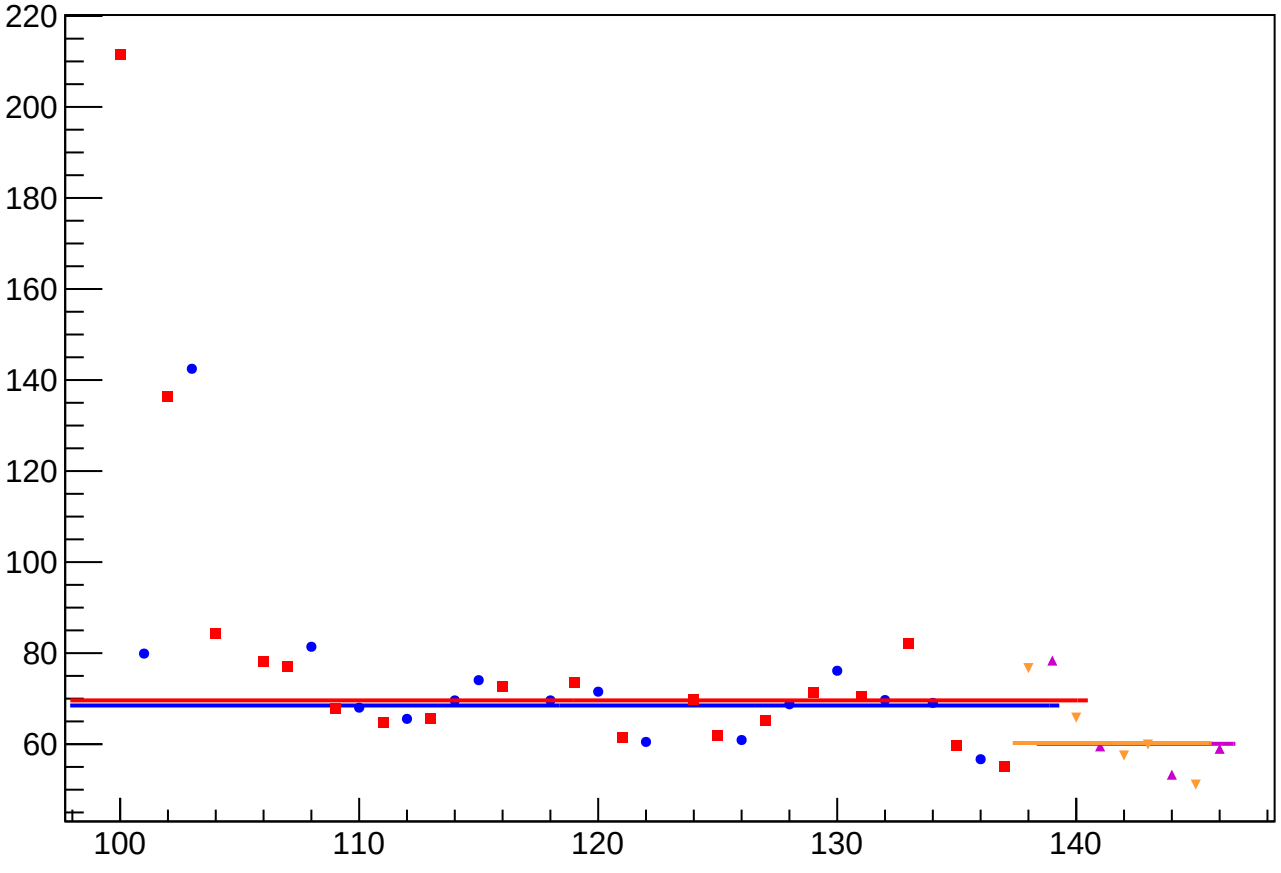
Left In: -31.080+/-32.515 χ^2/NDF:0.5/3

+ sign 43.181+/-20.282 χ^2/NDF: 26.6/20

All: -2.014+/-14.414 χ^2/NDF: 63.3/43

- sign -48.126+/-20.487 χ^2/NDF: 26.7/22

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.258+/-0.023 χ^2/NDF:133950.2/4

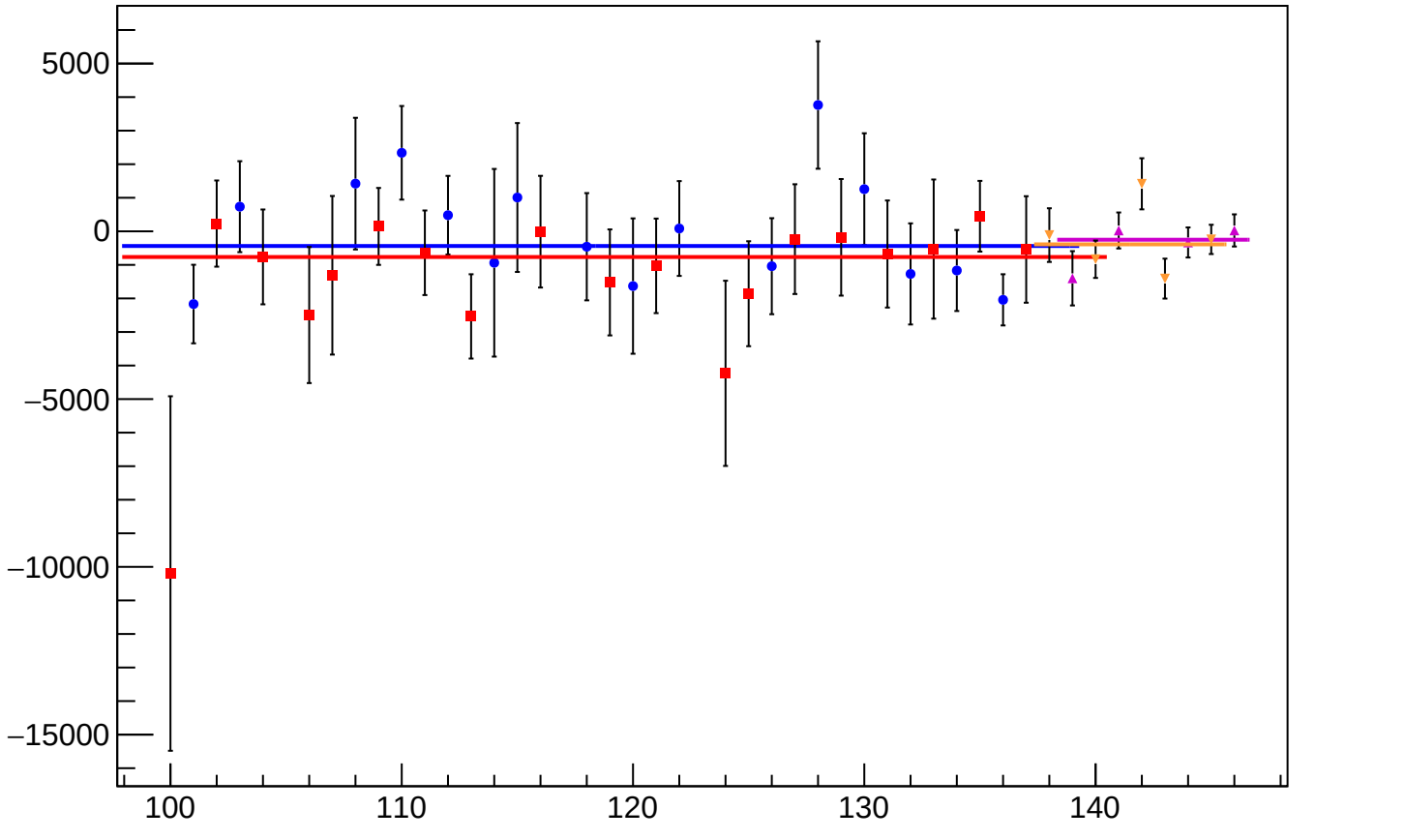
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

+ sign 65.191+/-0.014 χ^2/NDF: 685144.2/20

All: 65.509+/-0.010 χ^2/NDF: 1431181.4/43

- sign 65.833+/-0.014 χ^2/NDF: 745047.4/22



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -388.204+/-261.800 χ^2/NDF:9.4/4

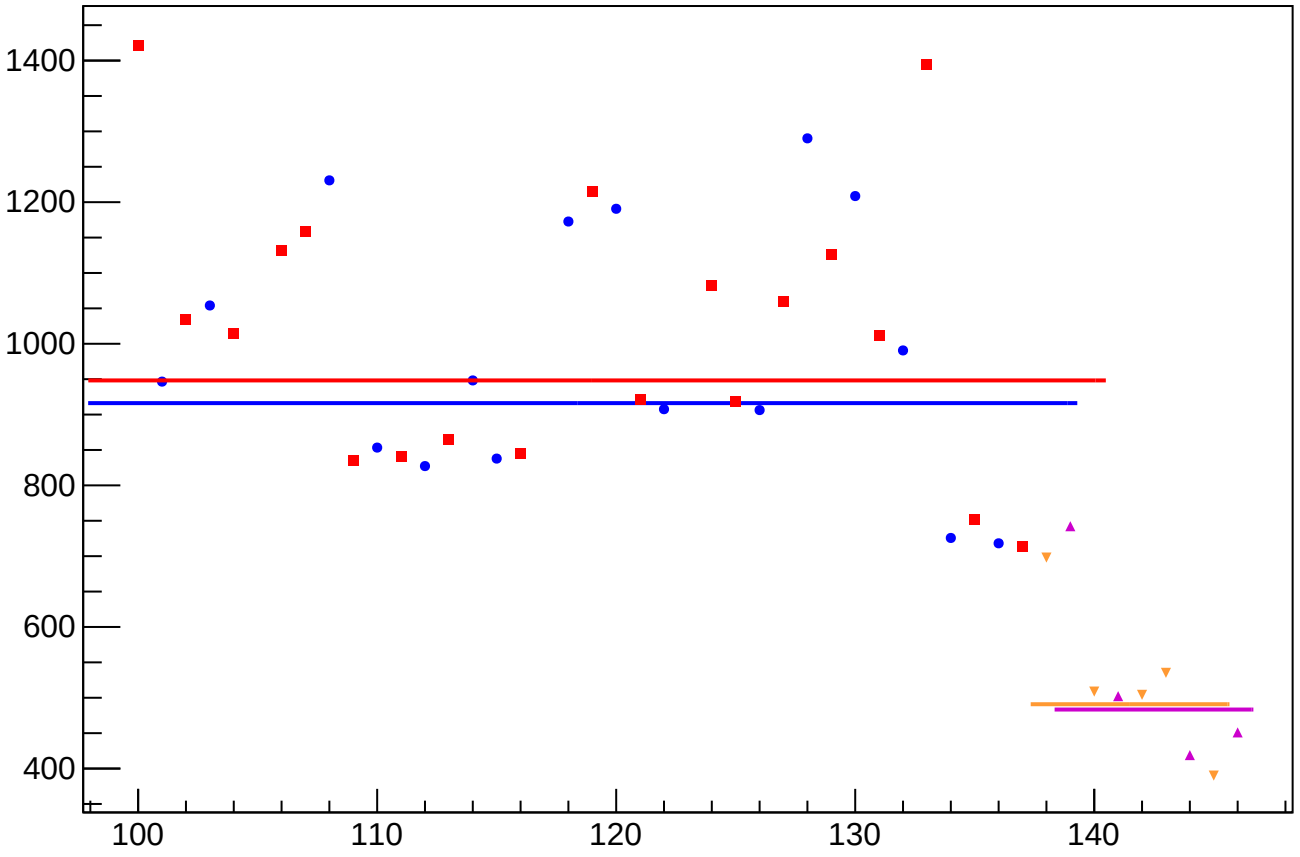
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -250.325+/-264.033 χ^2/NDF:2.7/3

\+ sign -405.943+/-209.400 χ^2/NDF: 30.0/20

All: -420.357+/-148.785 χ^2/NDF: 45.3/43

\- sign -435.053+/-211.444 χ^2/NDF: 15.3/22



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 490.871+/-0.185 χ^2/NDF:254676.1/4

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

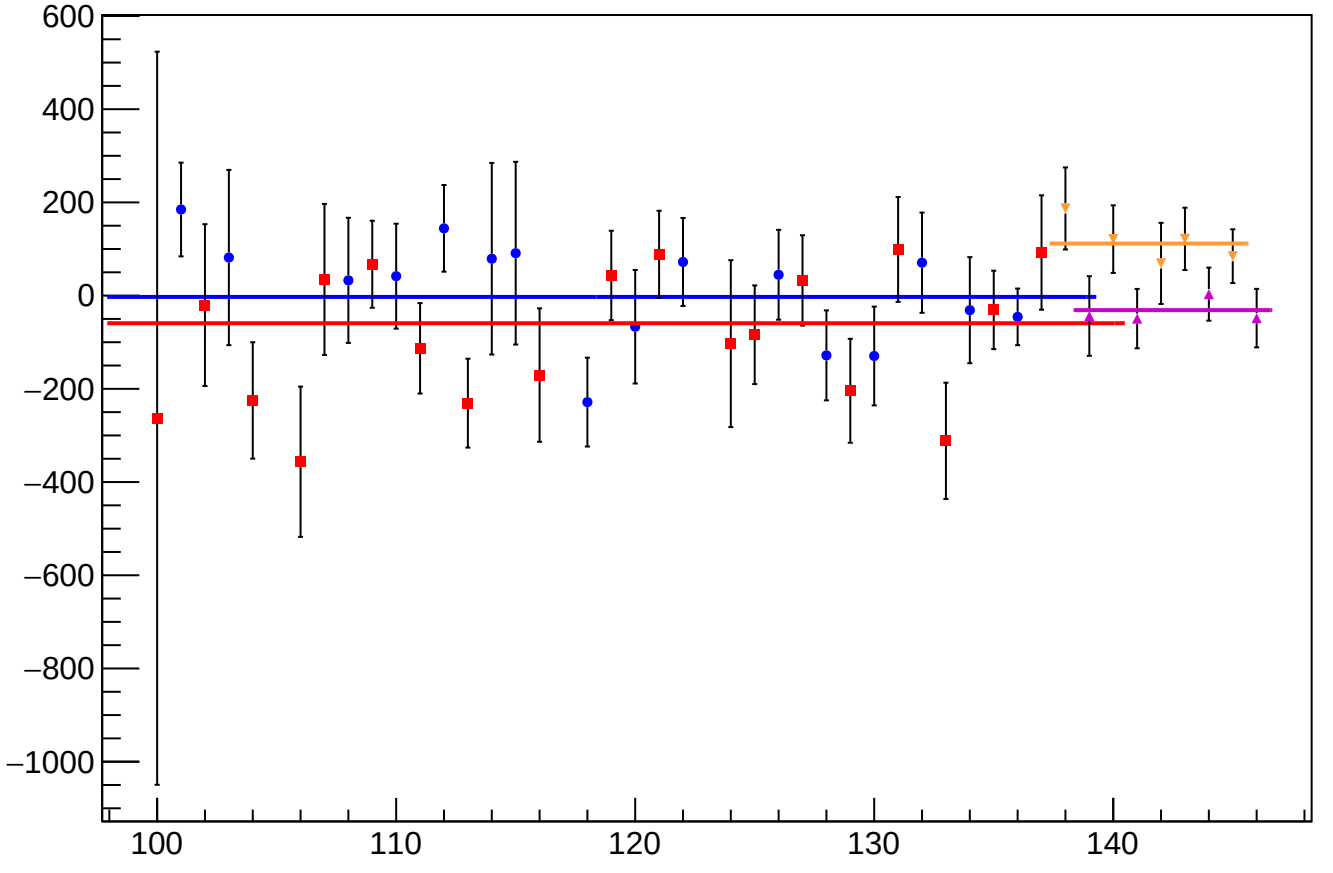
Left In: 483.366+/-0.187 χ^2/NDF:257688.7/3

+ sign 644.084+/-0.148 χ^2/NDF: 2665236.2/20

All: 647.066+/-0.105 χ^2/NDF: 5562688.6/43

- sign 650.107+/-0.150 χ^2/NDF: 2896633.1/22

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 111.734+/-32.016 χ^2/NDF:1.2/4

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

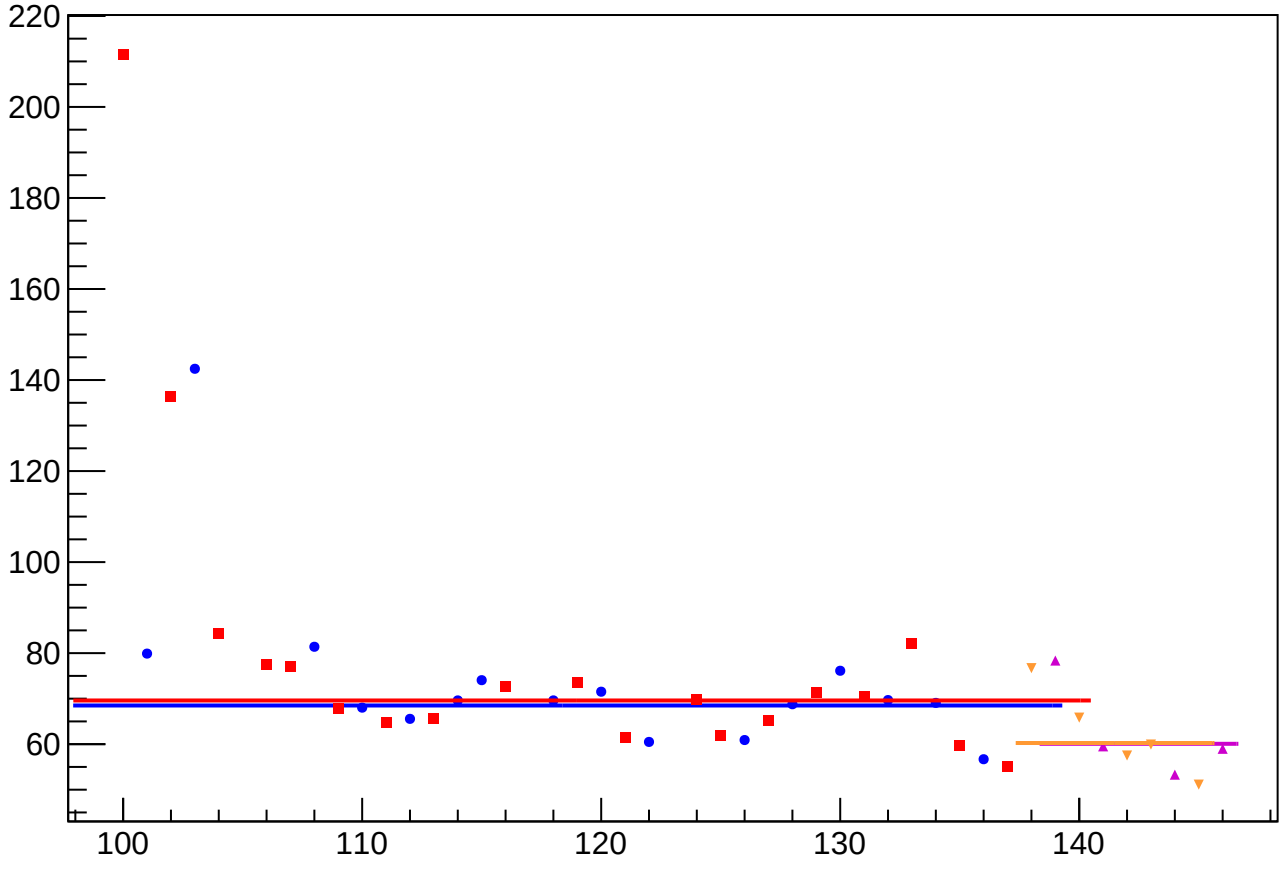
Left In: -31.084+/-32.515 χ^2/NDF:0.5/3

+ sign 43.180+/-20.282 χ^2/NDF: 26.6/20

All: -1.977+/-14.414 χ^2/NDF: 63.2/43

- sign -48.054+/-20.487 χ^2/NDF: 26.6/22

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.258+/-0.023 χ^2/NDF:133950.2/4

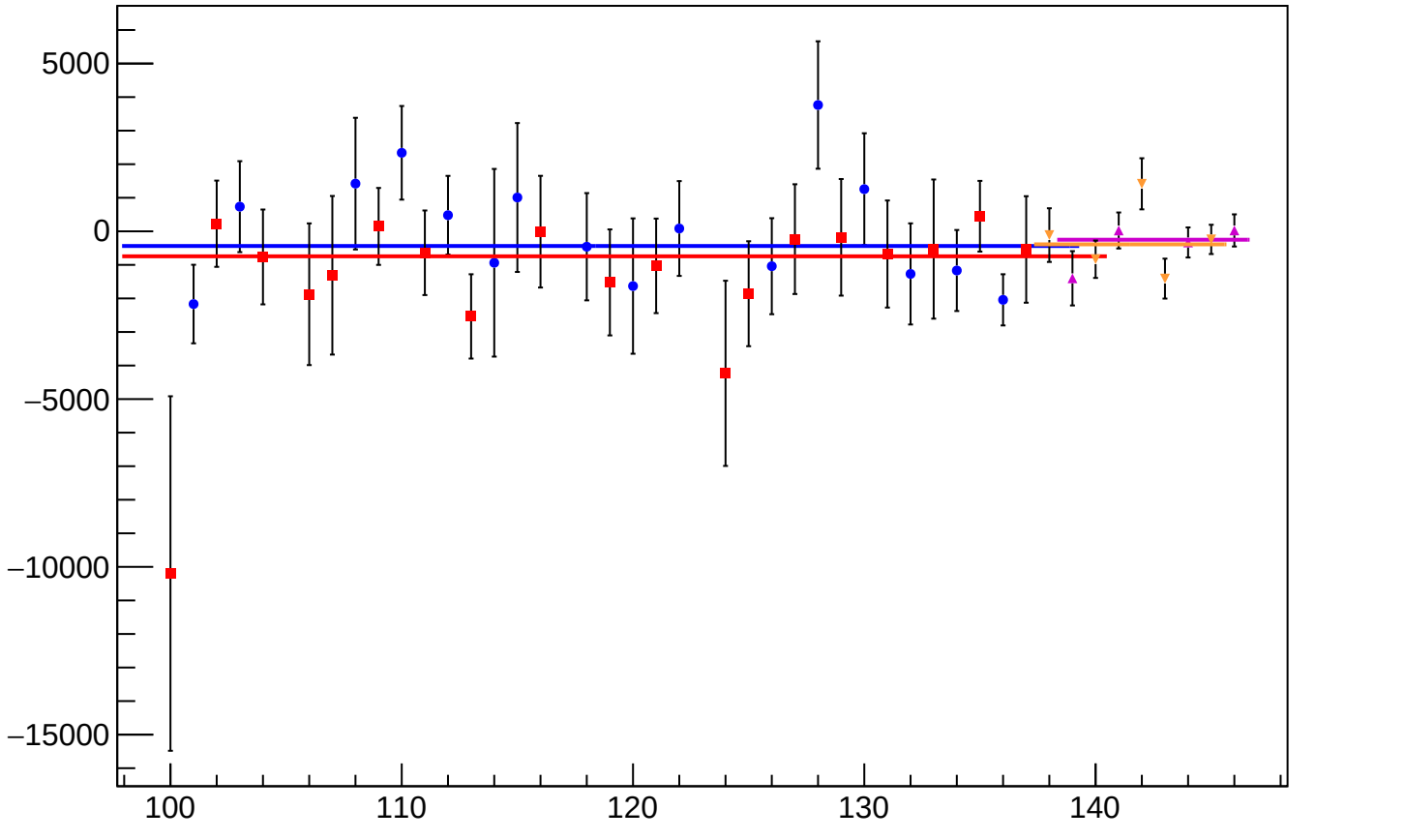
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

+ sign 65.191+/-0.014 χ^2/NDF: 685147.2/20

All: 65.503+/-0.010 χ^2/NDF: 1430111.4/43

- sign 65.821+/-0.014 χ^2/NDF: 744010.5/22



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -388.197+/-261.800 χ^2/NDF:9.4/4

Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

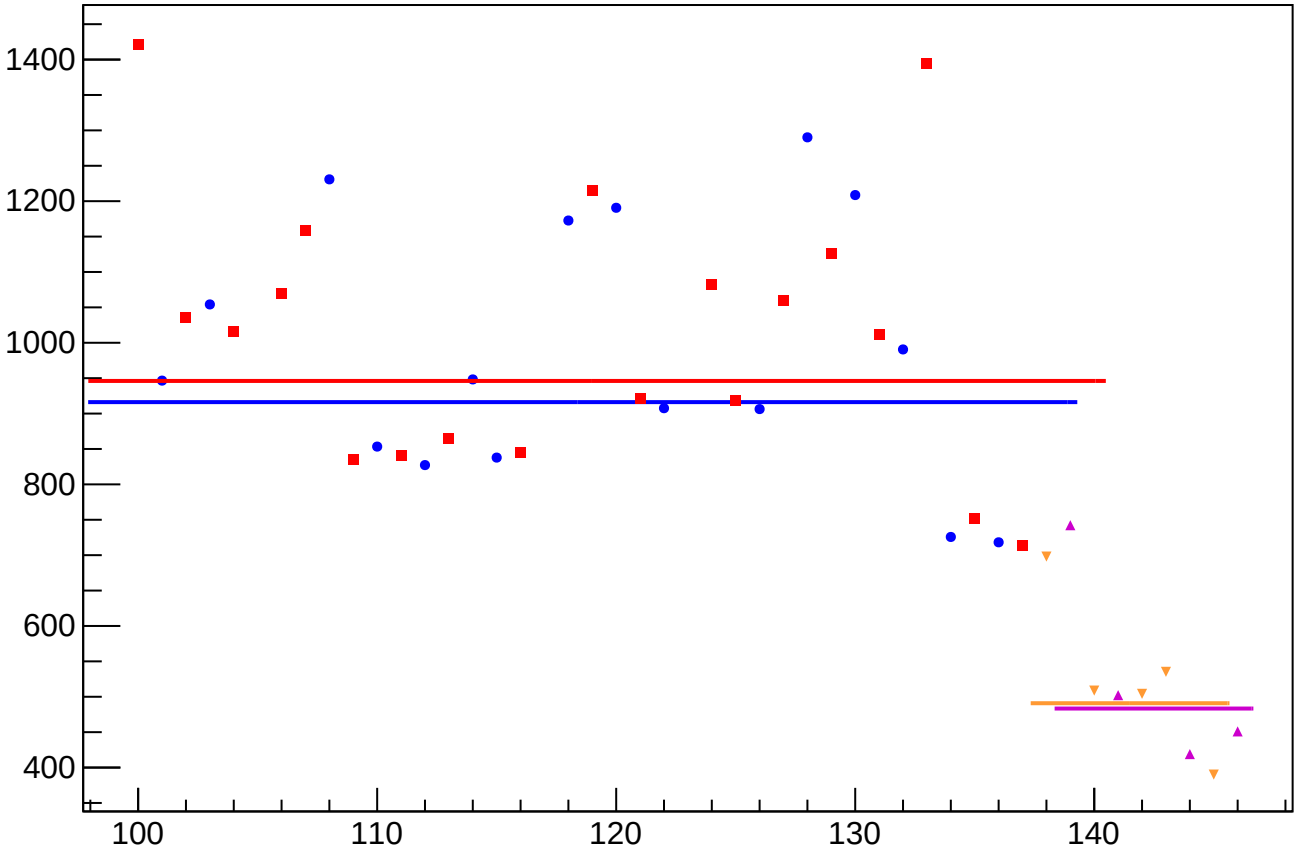
Left In: -250.330+/-264.033 χ^2/NDF:2.7/3

+ sign -405.927+/-209.400 χ^2/NDF: 30.0/20

All: -416.485+/-148.818 χ^2/NDF: 44.8/43

- sign -427.260+/-211.537 χ^2/NDF: 14.8/22

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 490.870+/-0.185 χ^2/NDF:254676.1/4

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

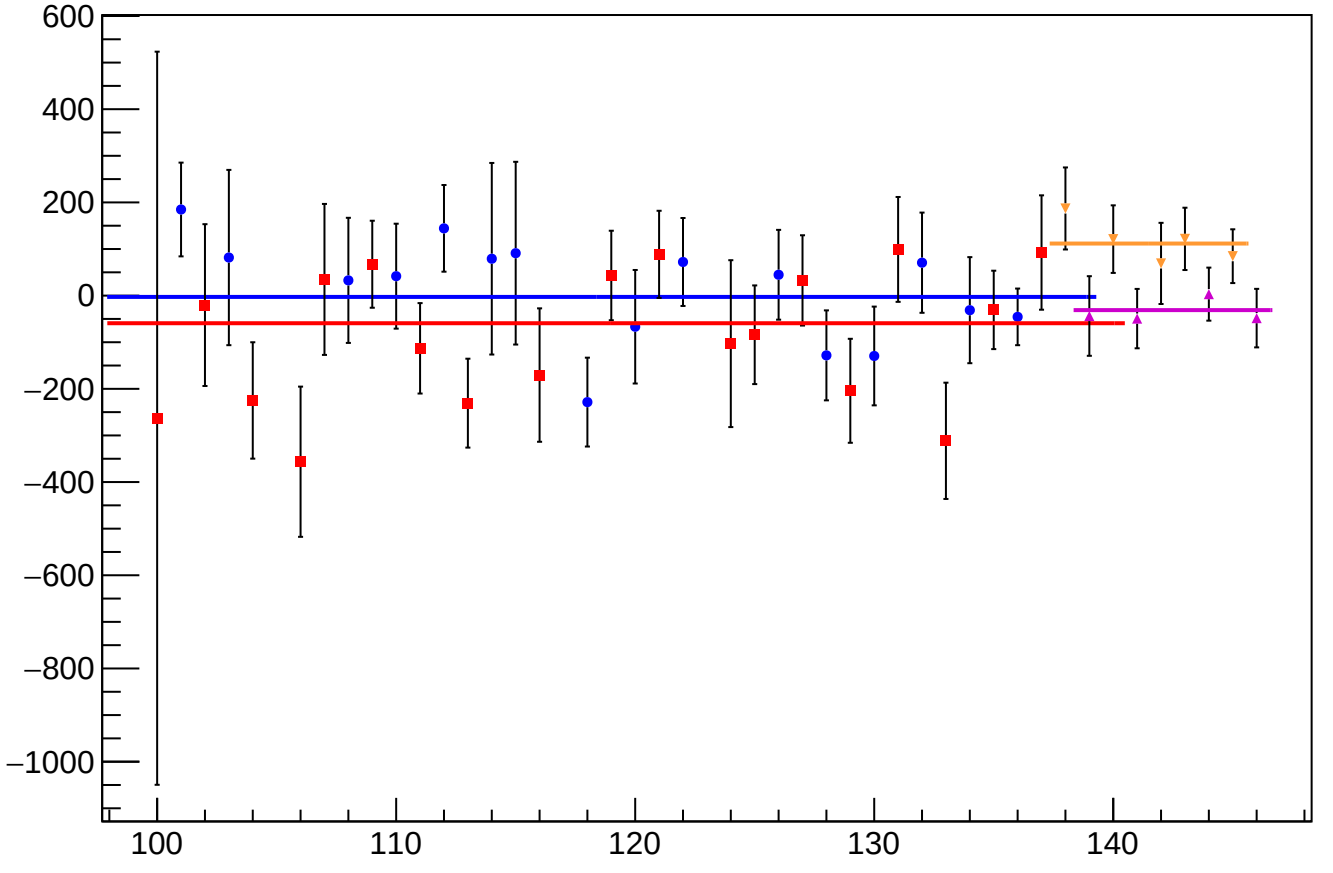
Left In: 483.366+/-0.187 χ^2/NDF:257688.1/3

+ sign 644.084+/-0.148 χ^2/NDF: 2665285.8/20

All: 646.554+/-0.105 χ^2/NDF: 5528758.6/43

- sign 649.076+/-0.150 χ^2/NDF: 2862910.1/22

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 111.734+/-32.016 χ^2/NDF:1.2/4

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

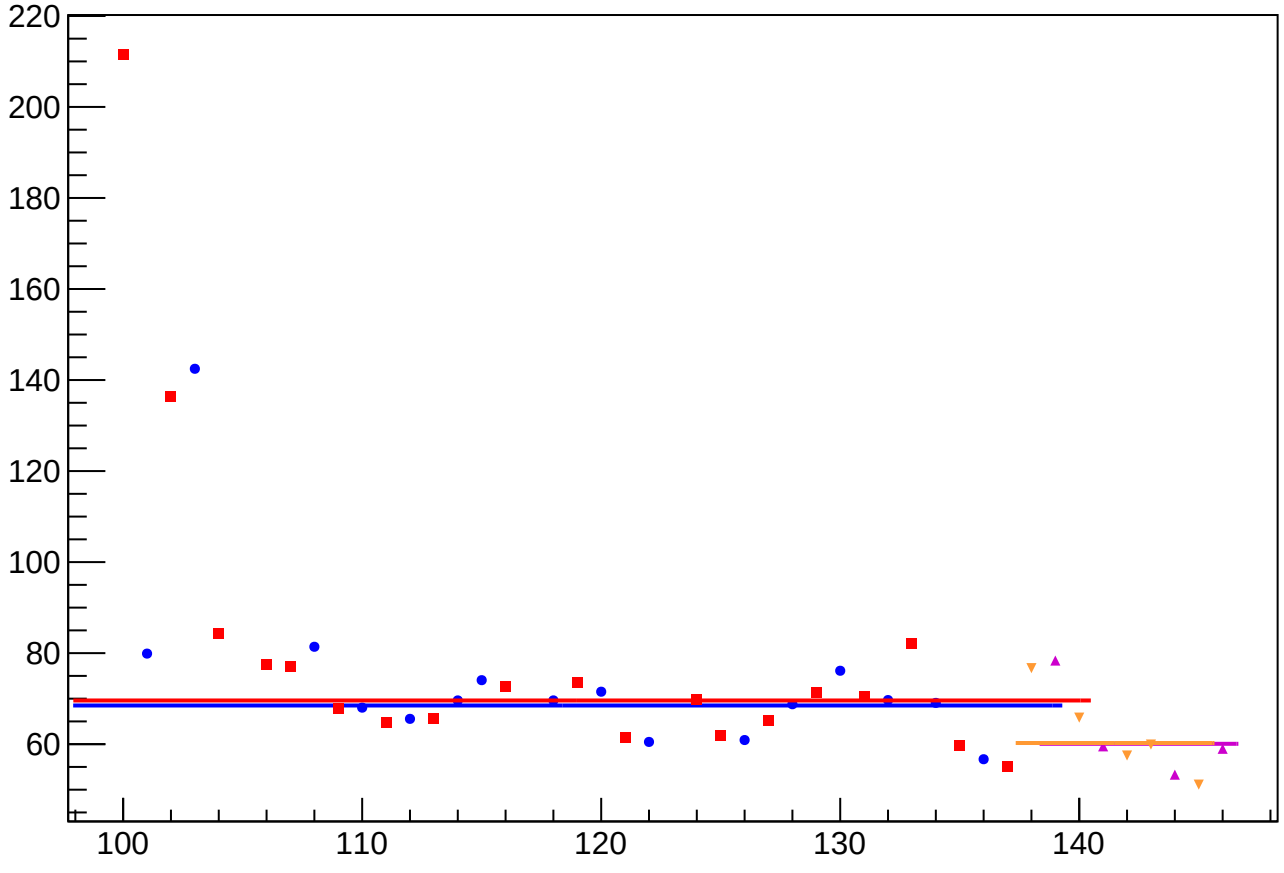
Left In: -31.084+/-32.515 χ^2/NDF:0.5/3

+ sign 43.180+/-20.282 χ^2/NDF: 26.6/20

All: -1.977+/-14.414 χ^2/NDF: 63.2/43

- sign -48.054+/-20.487 χ^2/NDF: 26.6/22

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.258+/-0.023 χ^2/NDF:133950.2/4

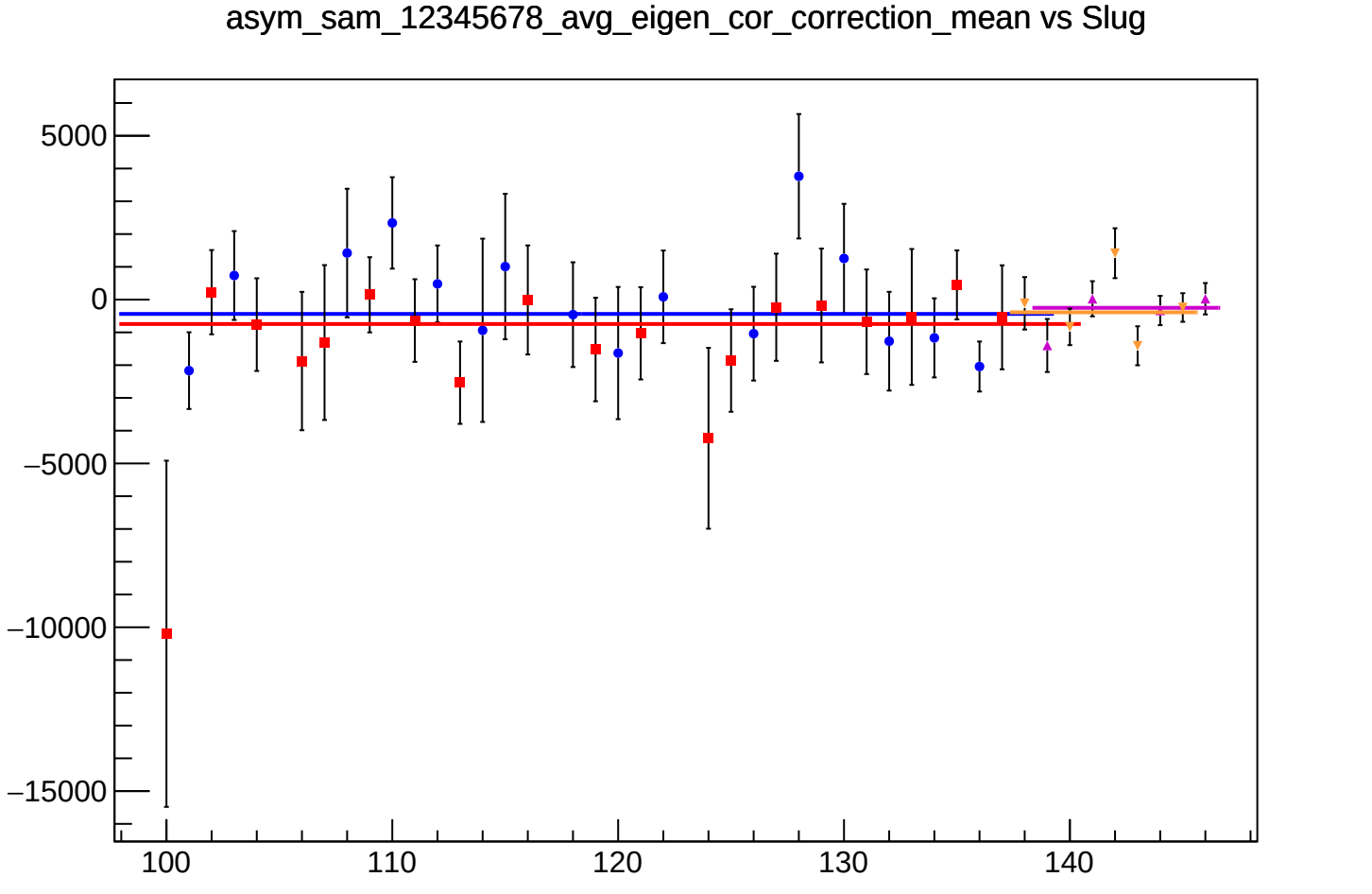
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

+ sign 65.191+/-0.014 χ^2/NDF: 685147.2/20

All: 65.503+/-0.010 χ^2/NDF: 1430111.4/43

- sign 65.821+/-0.014 χ^2/NDF: 744010.5/22



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -388.197+/-261.800 χ^2/NDF:9.4/4

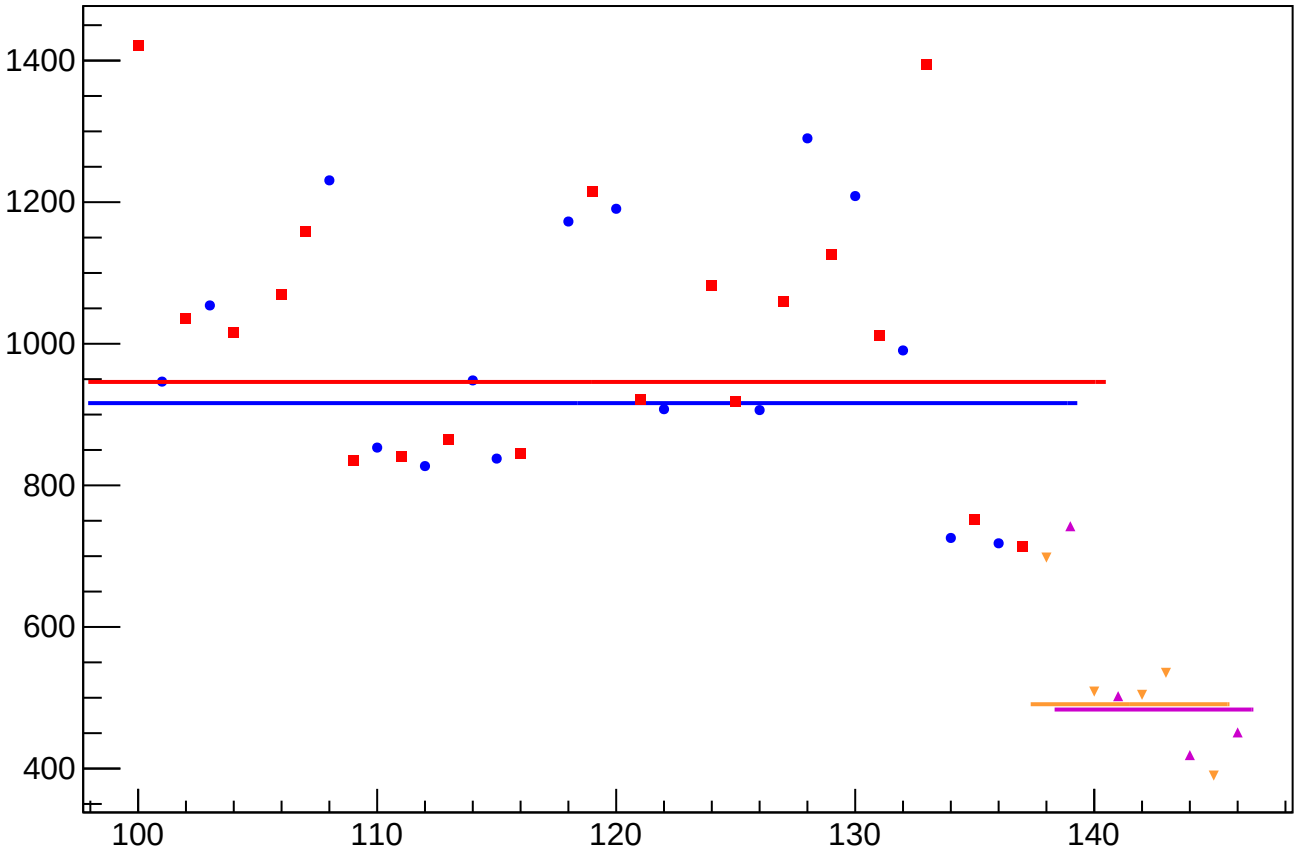
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -250.330+/-264.033 χ^2/NDF:2.7/3

+ sign -405.927+/-209.400 χ^2/NDF: 30.0/20

All: -416.485+/-148.818 χ^2/NDF: 44.8/43

- sign -427.260+/-211.537 χ^2/NDF: 14.8/22



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 490.870+/-0.185 χ^2/NDF:254676.1/4

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

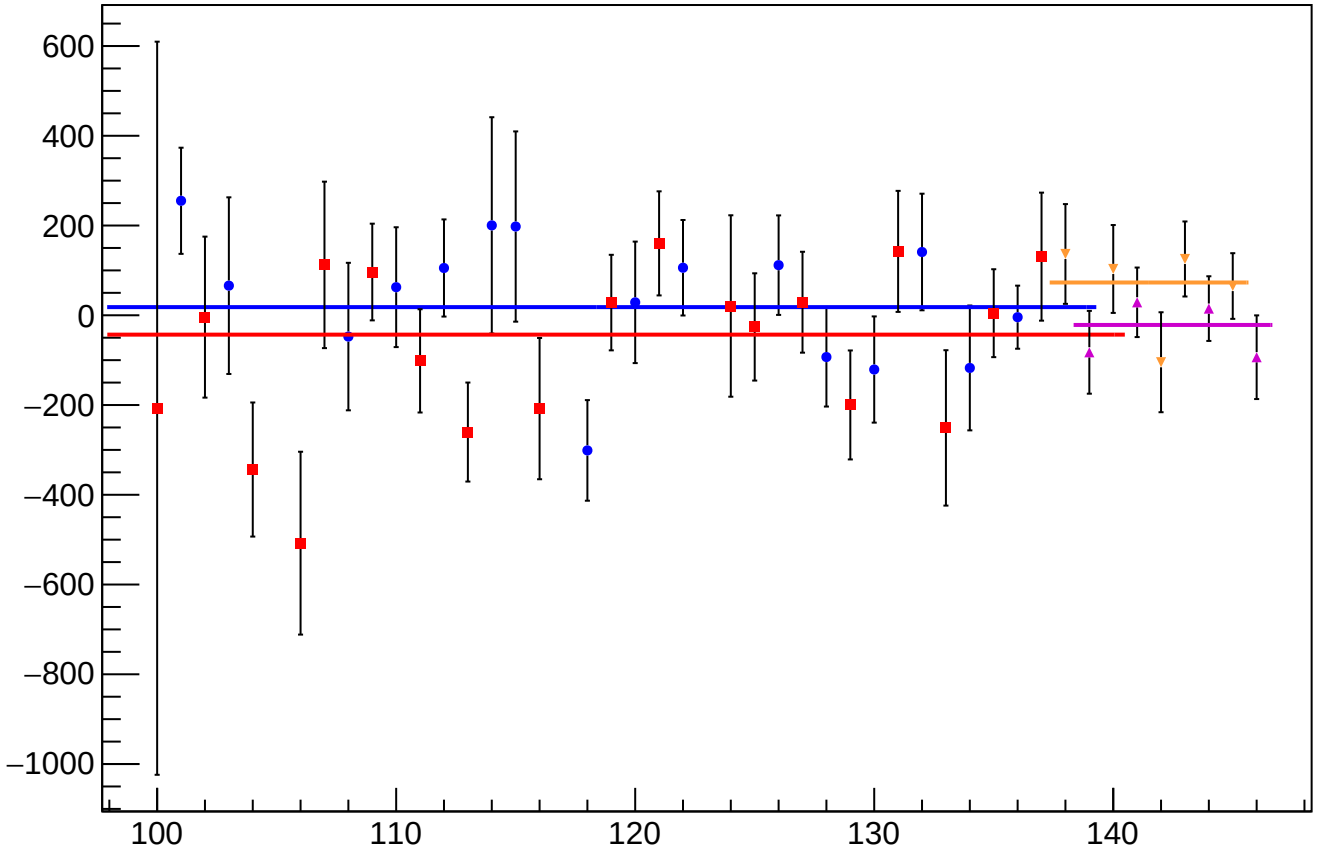
Left In: 483.366+/-0.187 χ^2/NDF:257688.1/3

+ sign 644.084+/-0.148 χ^2/NDF: 2665285.8/20

All: 646.554+/-0.105 χ^2/NDF: 5528758.6/43

- sign 649.076+/-0.150 χ^2/NDF: 2862910.1/22

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 73.035+/-40.972 χ^2/NDF:3.4/4

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

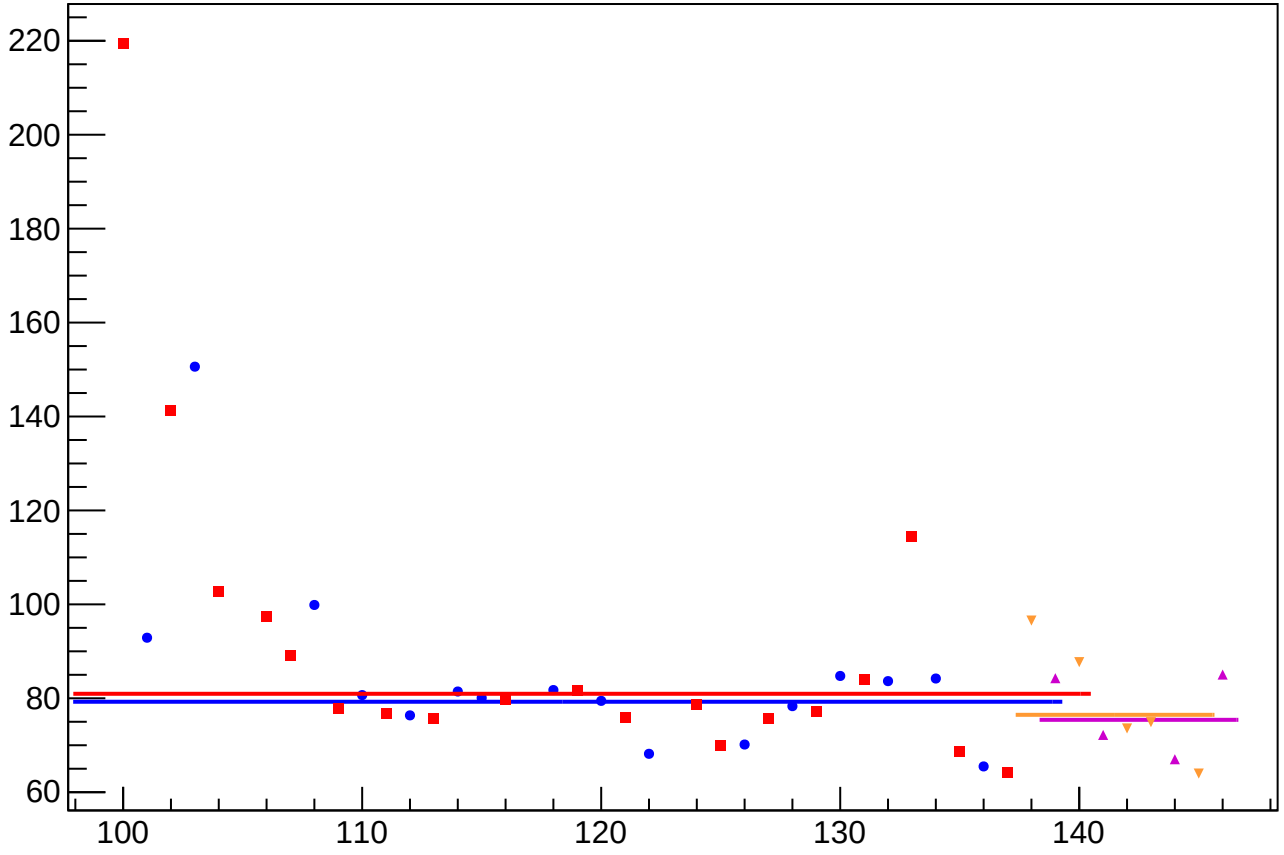
Left In: -21.555+/-41.108 χ^2/NDF:1.7/3

+ sign 37.609+/-24.386 χ^2/NDF: 24.7/20

All: 1.419+/-17.319 χ^2/NDF: 58.7/43

- sign -35.413+/-24.601 χ^2/NDF: 29.6/22

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 76.480+/-0.029 χ^2/NDF:151917.2/4

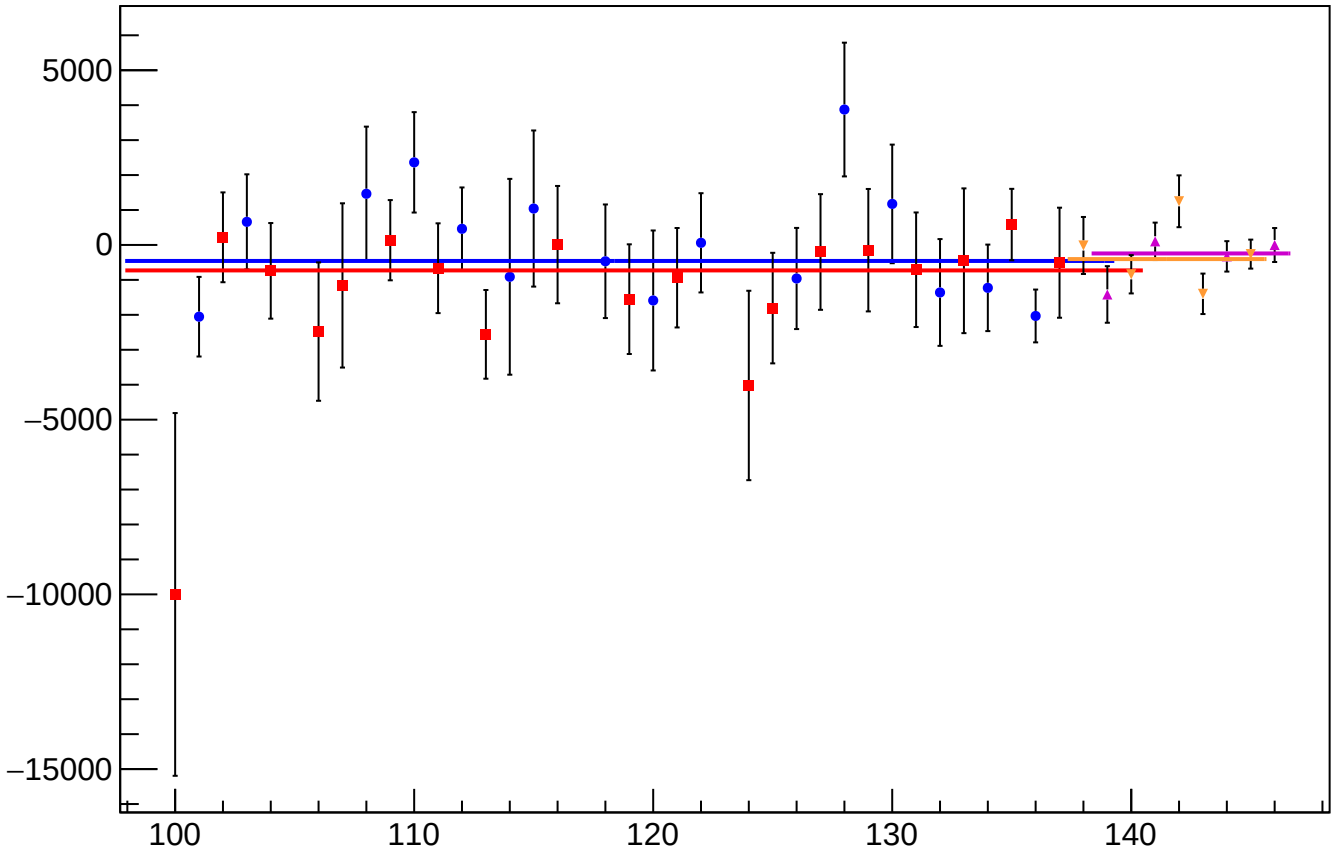
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 75.413+/-0.029 χ^2/NDF:70406.2/3

+ sign 78.277+/-0.017 χ^2/NDF: 602825.1/20

All: 78.622+/-0.012 χ^2/NDF: 1211575.6/43

- sign 78.972+/-0.017 χ^2/NDF: 607945.3/22



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -404.418+/-254.466 χ^2/NDF:8.9/4

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

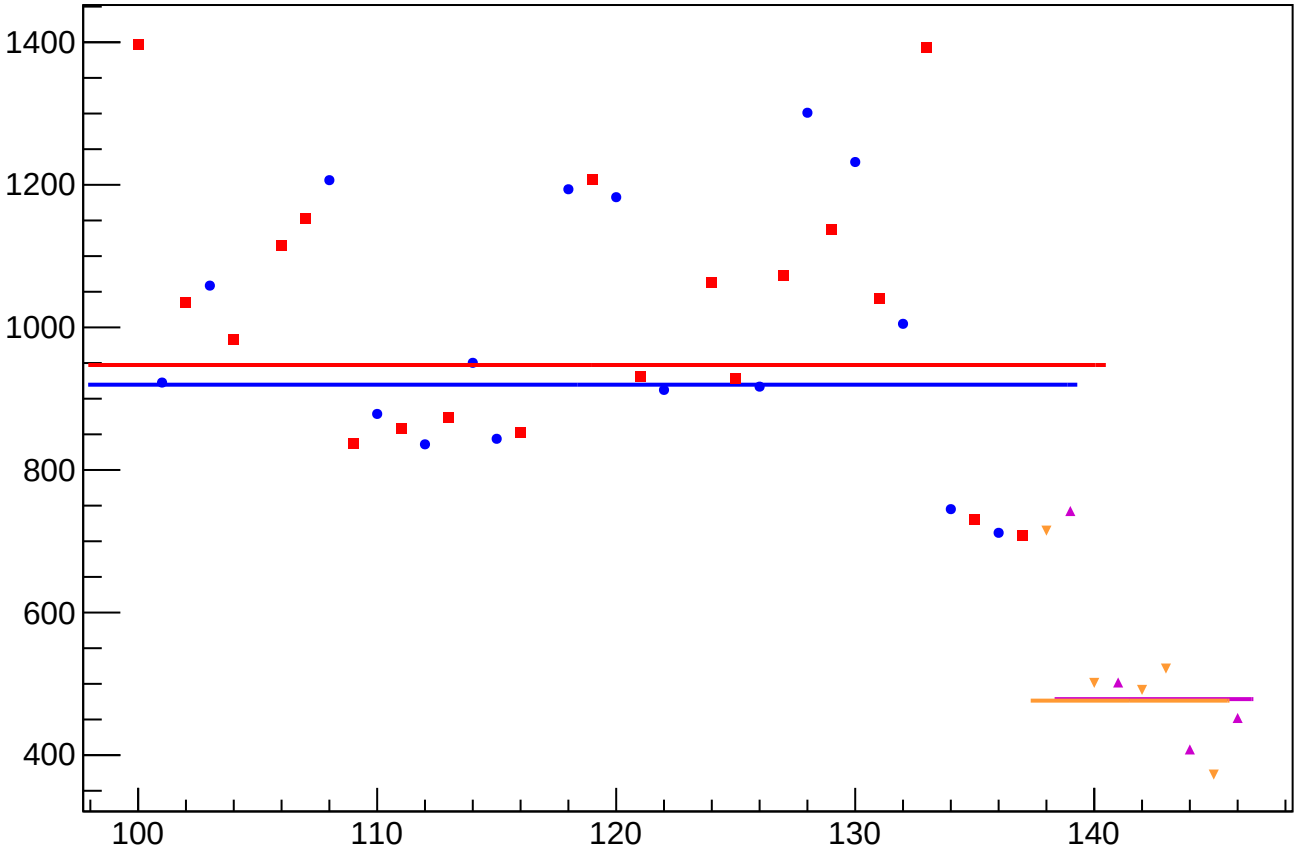
Left In: -243.280+/-262.421 χ^2/NDF:2.8/3

\+ sign -422.979+/-205.833 χ^2/NDF: 29.2/20

All: -419.737+/-147.172 χ^2/NDF: 44.7/43

\- sign -416.347+/-210.511 χ^2/NDF: 15.6/22

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 476.454+/-0.180 χ^2/NDF:312812.4/4

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

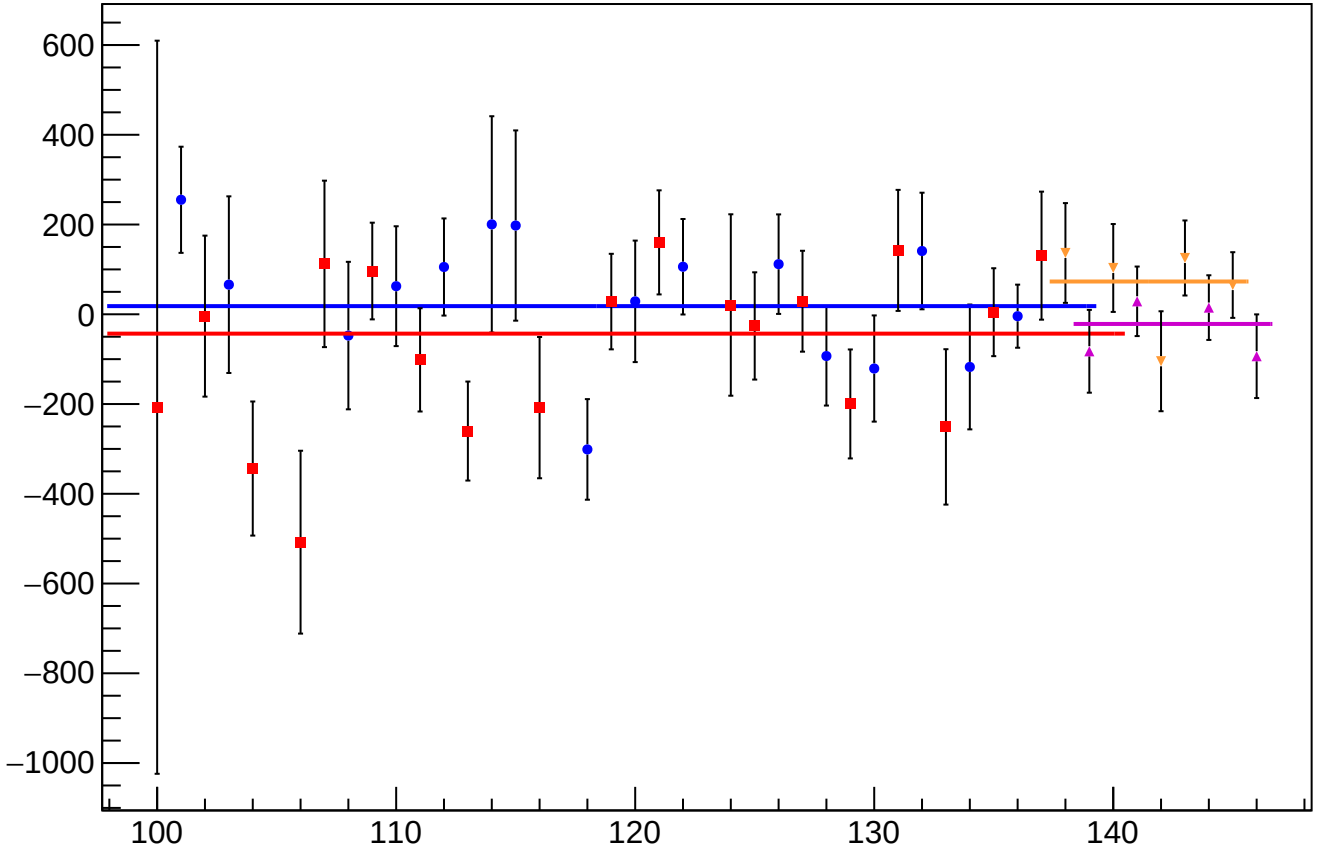
Left In: 478.580+/-0.186 χ^2/NDF:274696.8/3

+ sign 629.666+/-0.146 χ^2/NDF: 2925496.9/20

All: 637.486+/-0.104 χ^2/NDF: 5906016.6/43

- sign 645.666+/-0.149 χ^2/NDF: 2974613.6/22

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 73.035+/-40.972 χ^2/NDF:3.4/4

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

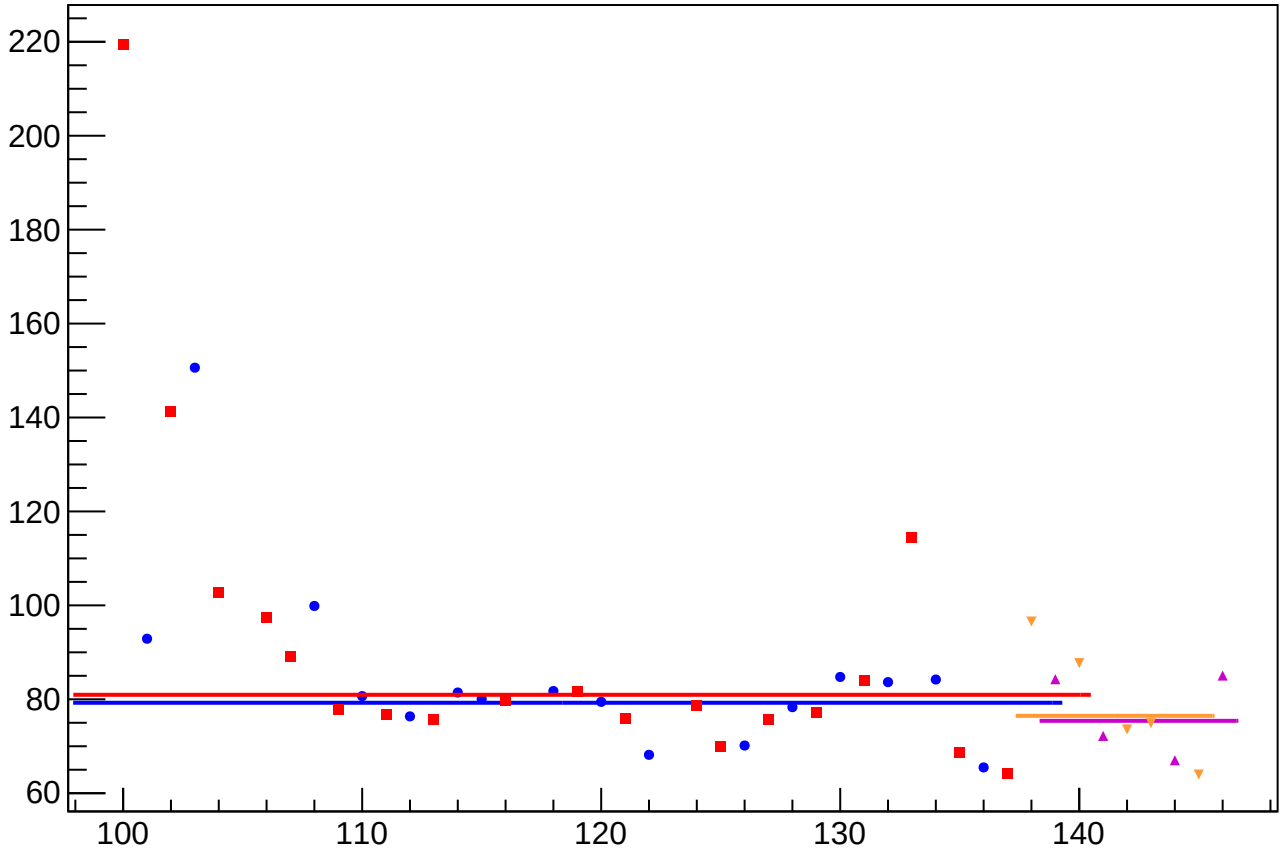
Left In: -21.556+/-41.108 χ^2/NDF:1.7/3

+ sign 37.608+/-24.386 χ^2/NDF: 24.7/20

All: 1.419+/-17.319 χ^2/NDF: 58.7/43

- sign -35.412+/-24.601 χ^2/NDF: 29.6/22

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 76.481+/-0.029 χ^2/NDF:151908.7/4

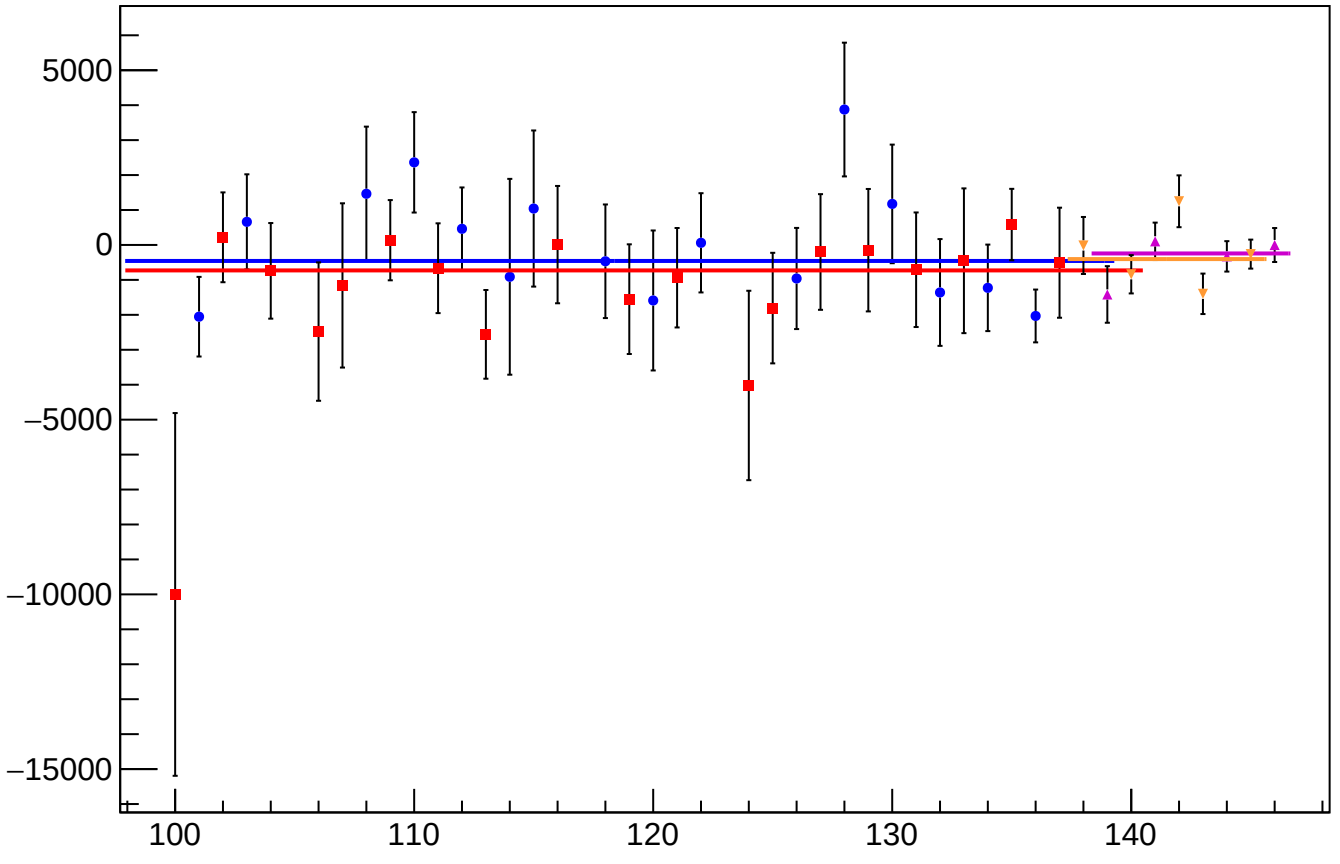
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 75.414+/-0.029 χ^2/NDF:70405.1/3

+ sign 78.277+/-0.017 χ^2/NDF: 602810.9/20

All: 78.622+/-0.012 χ^2/NDF: 1211564.3/43

- sign 78.972+/-0.017 χ^2/NDF: 607948.2/22



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -404.420+/-254.465 χ^2/NDF:8.9/4

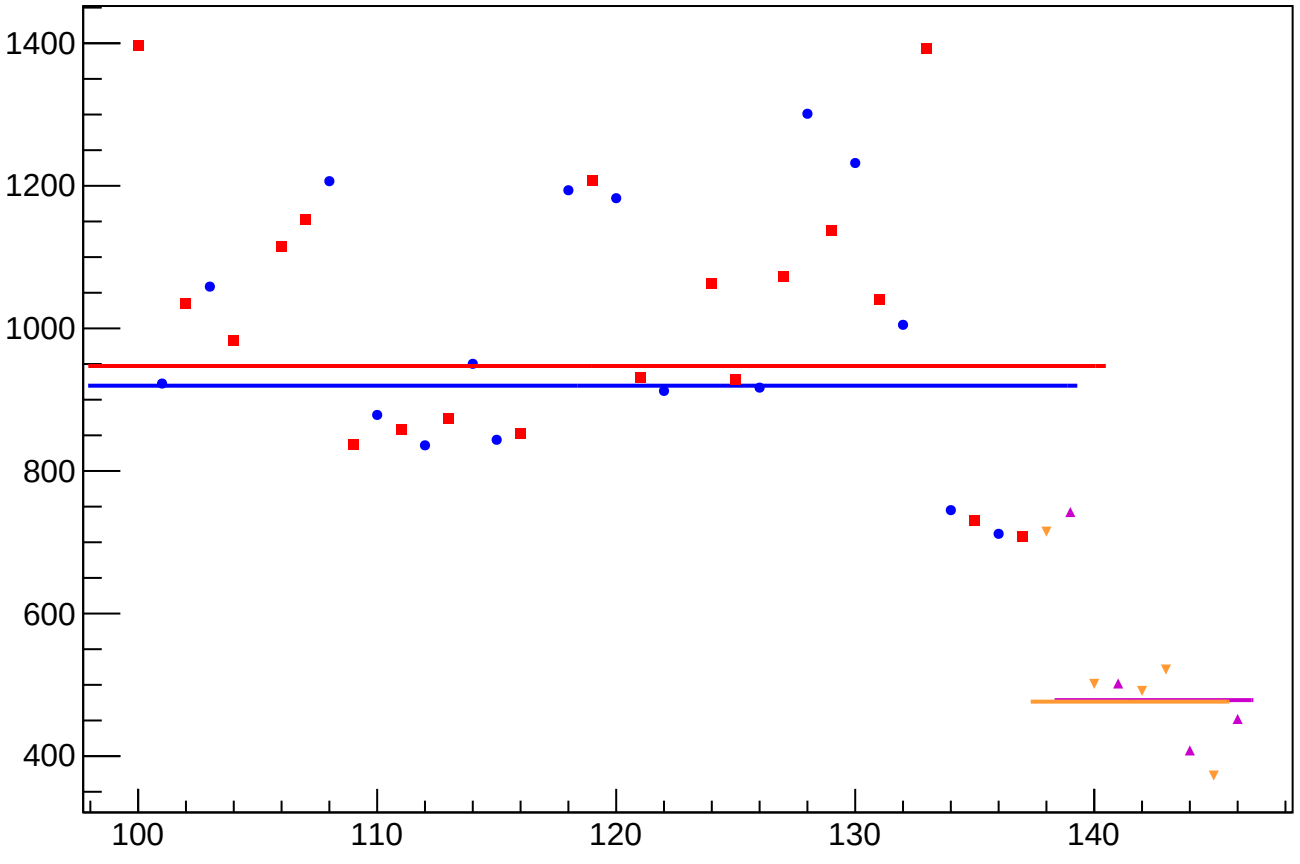
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -243.281+/-262.421 χ^2/NDF:2.8/3

+ sign -422.979+/-205.833 χ^2/NDF: 29.2/20

All: -419.737+/-147.172 χ^2/NDF: 44.7/43

- sign -416.347+/-210.511 χ^2/NDF: 15.6/22



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 476.453+/-0.180 χ^2/NDF:312813.7/4

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

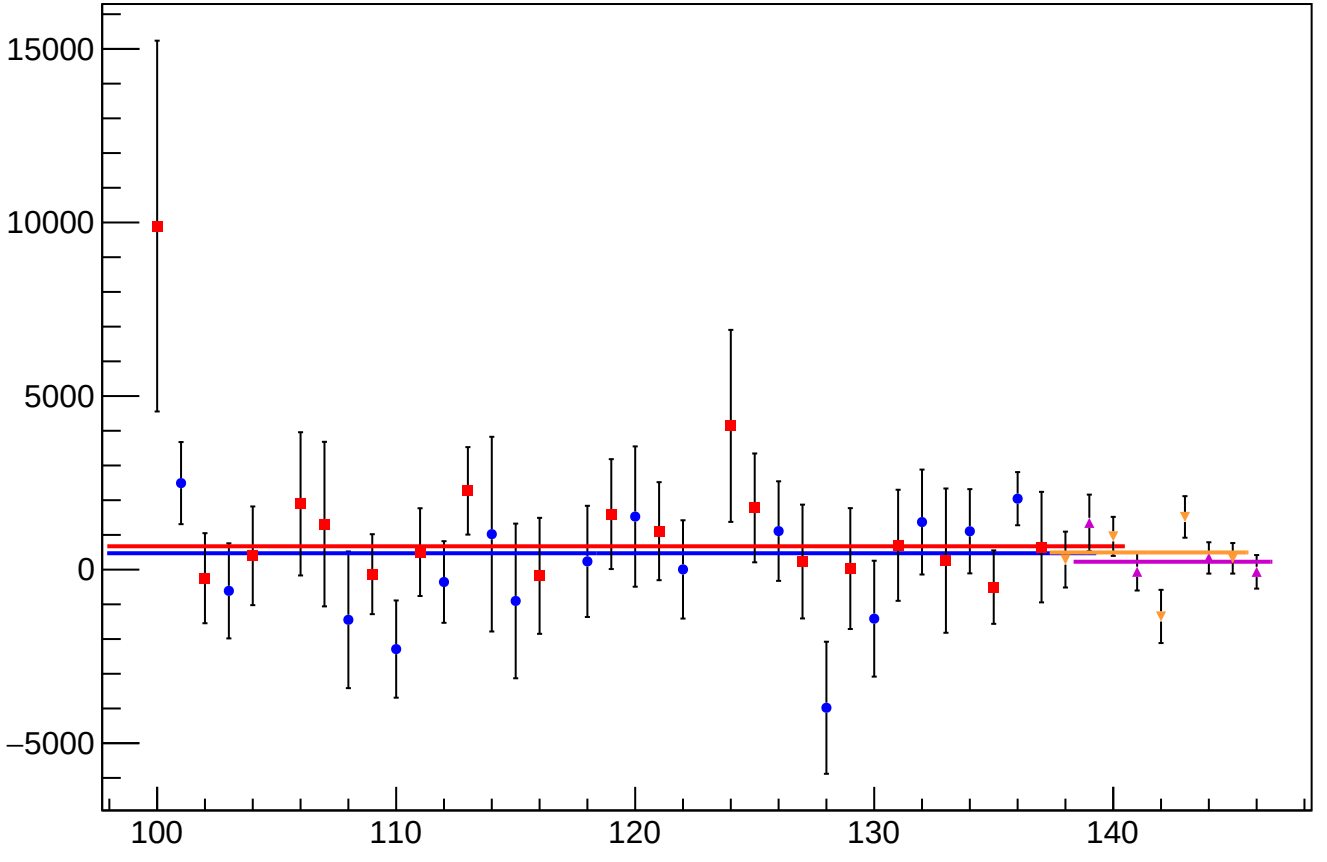
Left In: 478.580+/-0.186 χ^2/NDF:274695.9/3

+ sign 629.665+/-0.146 χ^2/NDF: 2925498.2/20

All: 637.485+/-0.104 χ^2/NDF: 5906011.5/43

- sign 645.665+/-0.149 χ^2/NDF: 2974606.7/22

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 494.517+/-263.863 χ^2/NDF:9.6/4

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

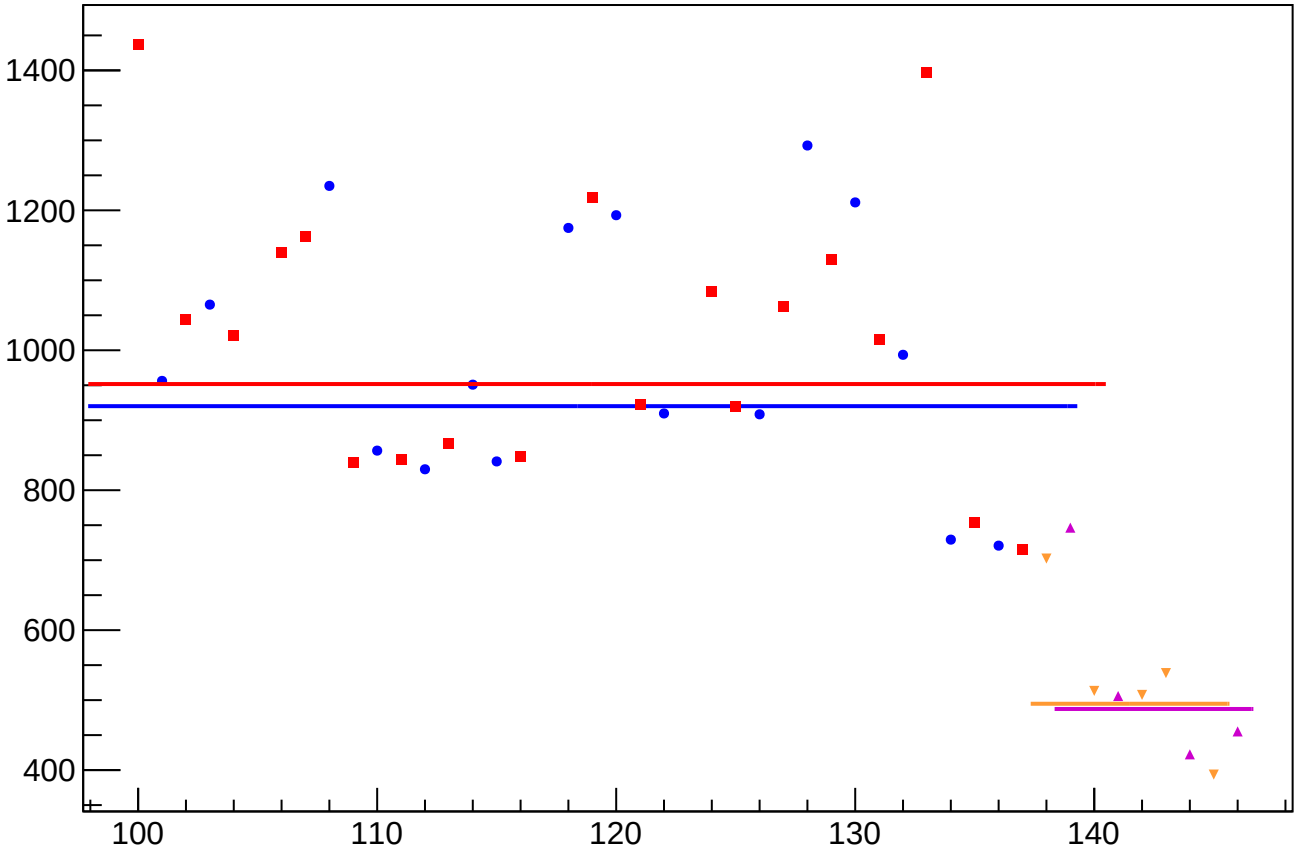
Left In: 227.063+/-266.151 χ^2/NDF:2.6/3

+ sign 486.373+/-210.778 χ^2/NDF: 31.1/20

All: 437.488+/-149.768 χ^2/NDF: 45.1/43

- sign 387.640+/-212.844 χ^2/NDF: 13.9/22

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 494.812+/-0.187 χ^2/NDF:252124.1/4

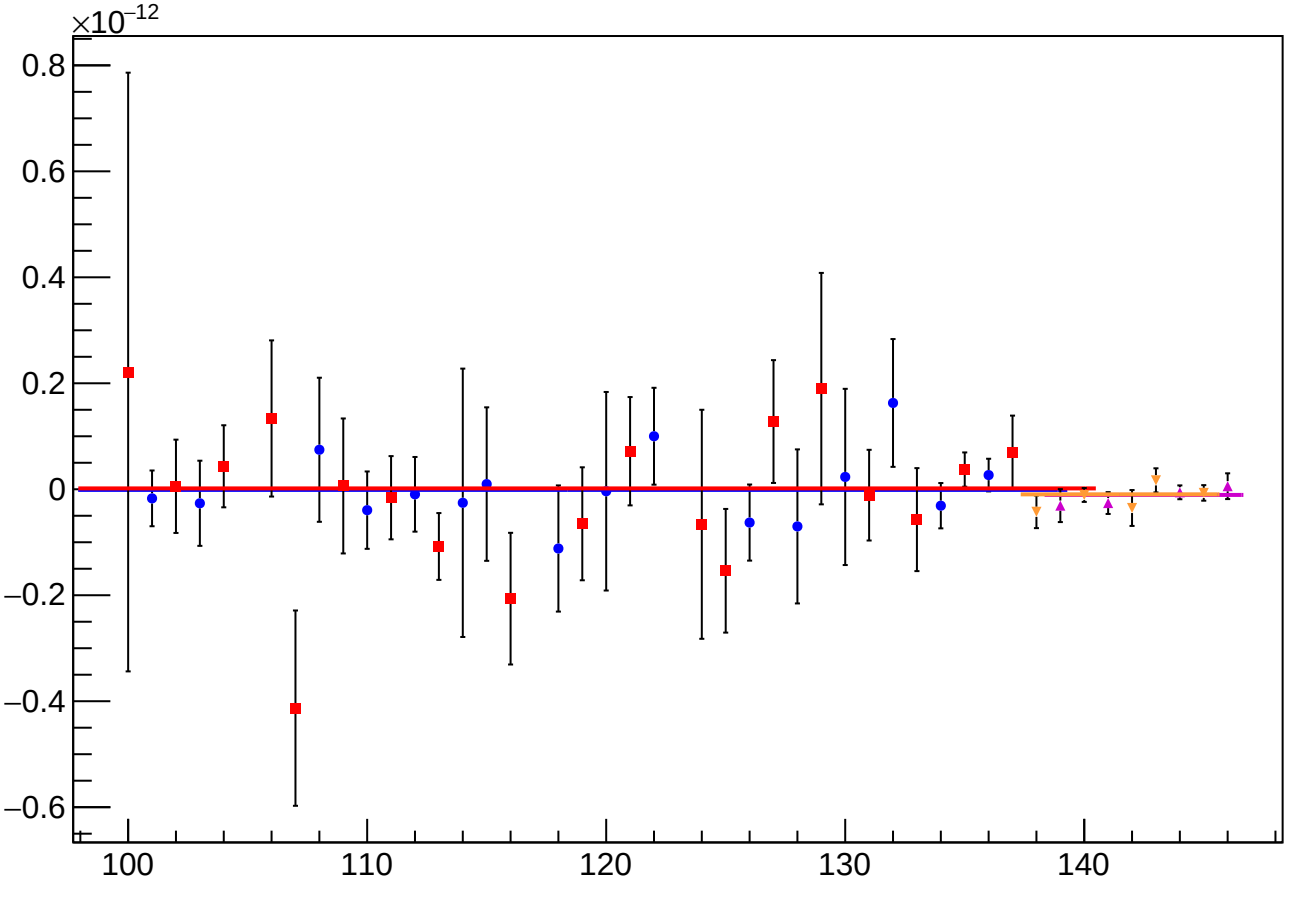
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 487.348+/-0.188 χ^2/NDF:255247.9/3

+ sign 648.731+/-0.149 χ^2/NDF: 2641296.5/20

All: 651.706+/-0.106 χ^2/NDF: 5508177.8/43

- sign 654.739+/-0.151 χ^2/NDF: 2866076.8/22



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/4

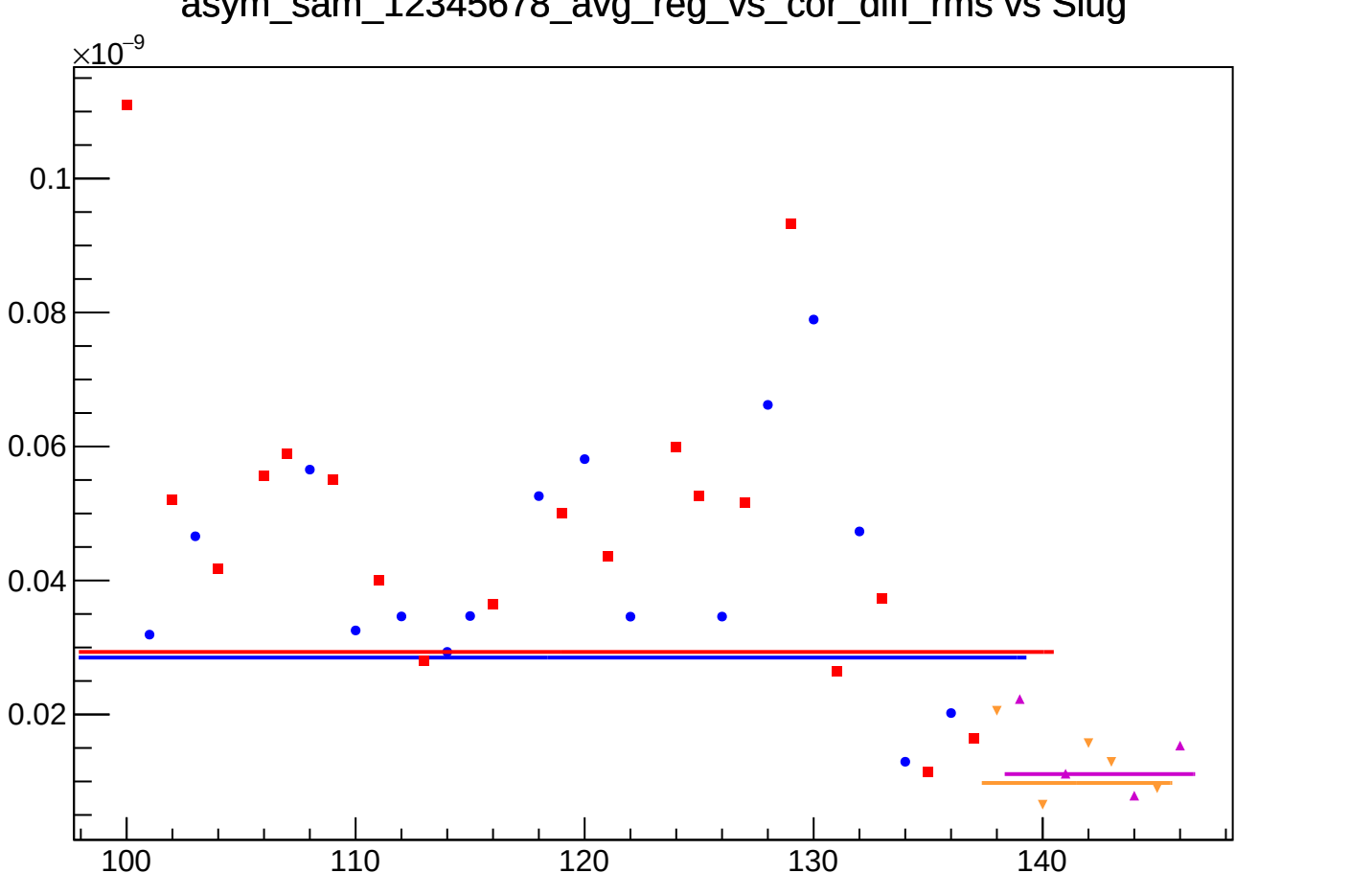
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

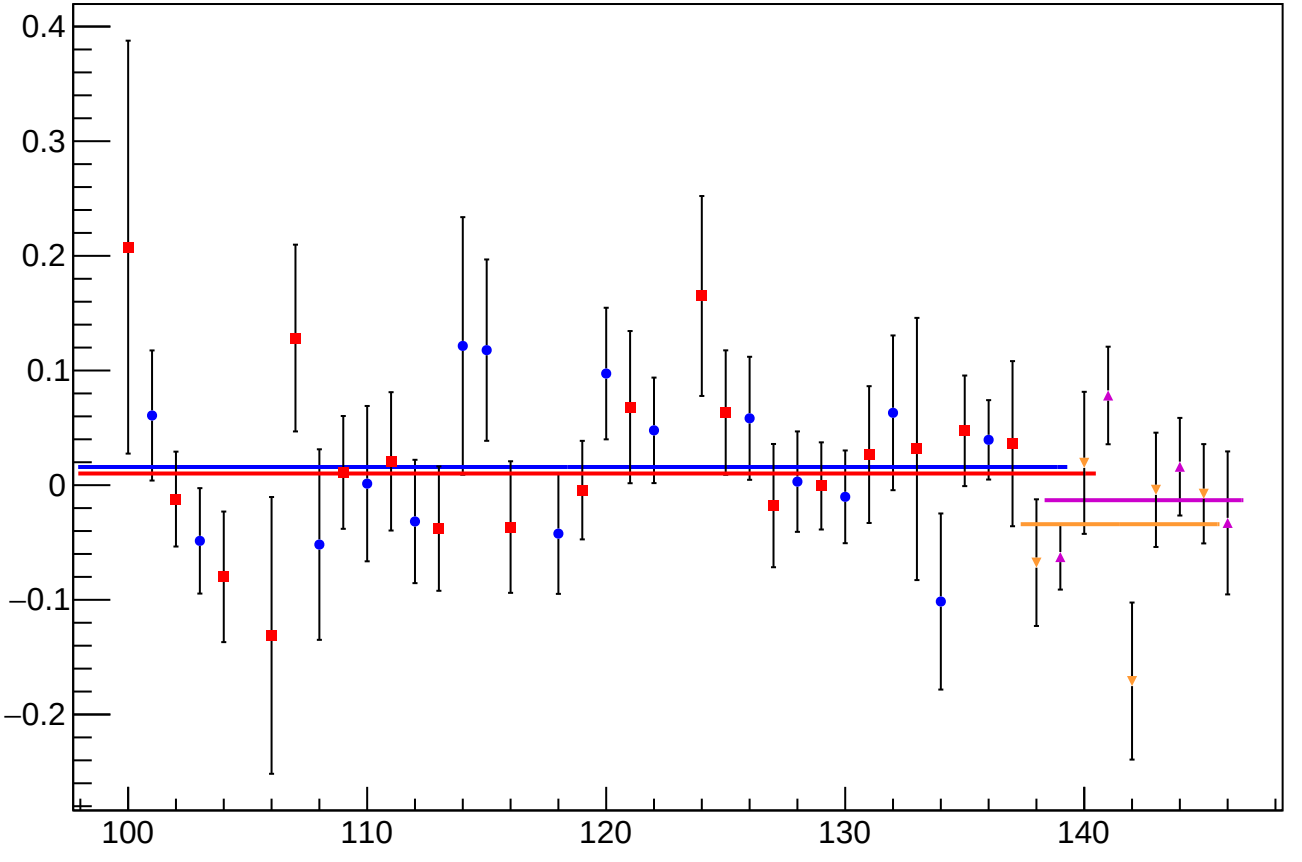
+ sign -0.000+/-0.000 χ^2/NDF: 10.3/20

All: -0.000+/-0.000 χ^2/NDF: 31.7/43

- sign -0.000+/-0.000 χ^2/NDF: 21.3/22


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
Right In: 0.000+/-0.000 χ²/NDF: 1152293.4/15
Left Out: 0.000+/-0.000 χ²/NDF:473498.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 1645968.5/18
Left In: 0.000+/-0.000 χ²/NDF:443112.0/3
+ sign 0.000+/-0.000 χ²/NDF: 3453459.4/20
All: 0.000+/-0.000 χ²/NDF: 7016171.7/43
- sign 0.000+/-0.000 χ²/NDF: 3527142.8/22

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

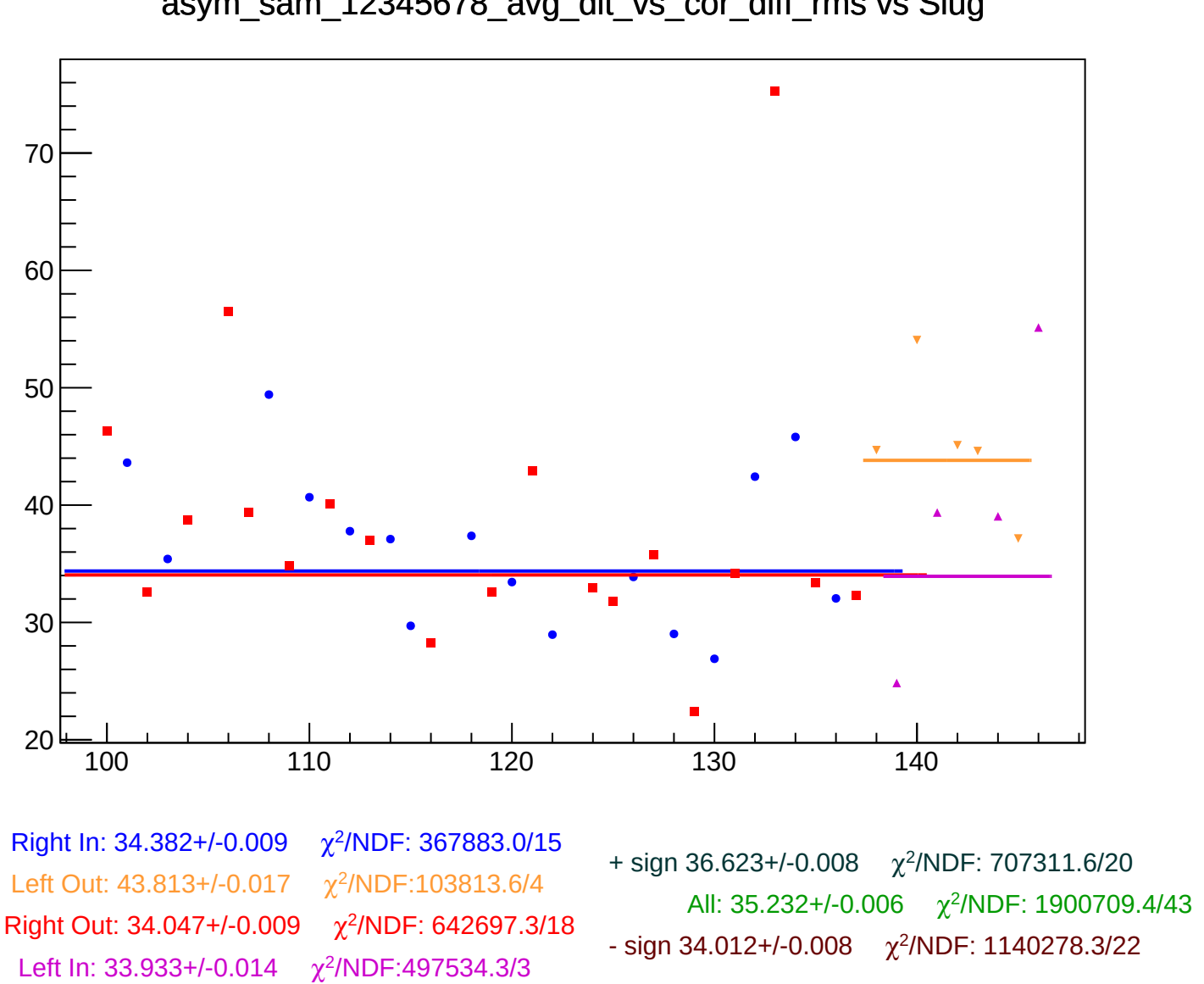
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

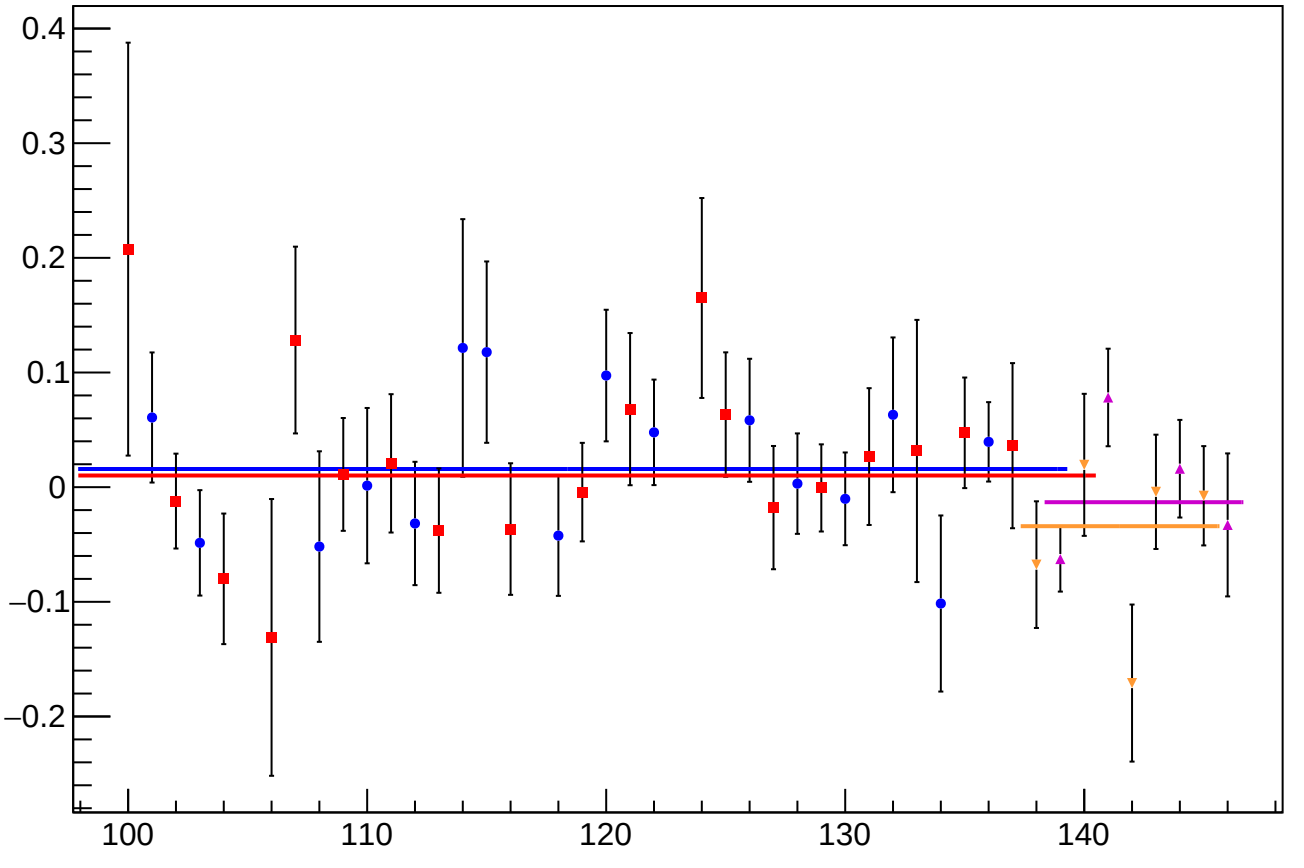
Left In: -0.013+/-0.020 χ^2/NDF:8.2/3

+ sign 0.004+/-0.012 χ^2/NDF: 23.9/20

All: 0.003+/-0.008 χ^2/NDF: 48.2/43

- sign 0.003+/-0.011 χ^2/NDF: 24.3/22


asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
Right In: 34.382+/-0.009 χ²/NDF: 367883.0/15
Left Out: 43.813+/-0.017 χ²/NDF:103813.6/4
Right Out: 34.047+/-0.009 χ²/NDF: 642697.3/18
Left In: 33.933+/-0.014 χ²/NDF:497534.3/3
+ sign 36.623+/-0.008 χ²/NDF: 707311.6/20
All: 35.232+/-0.006 χ²/NDF: 1900709.4/43
- sign 34.012+/-0.008 χ²/NDF: 1140278.3/22



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

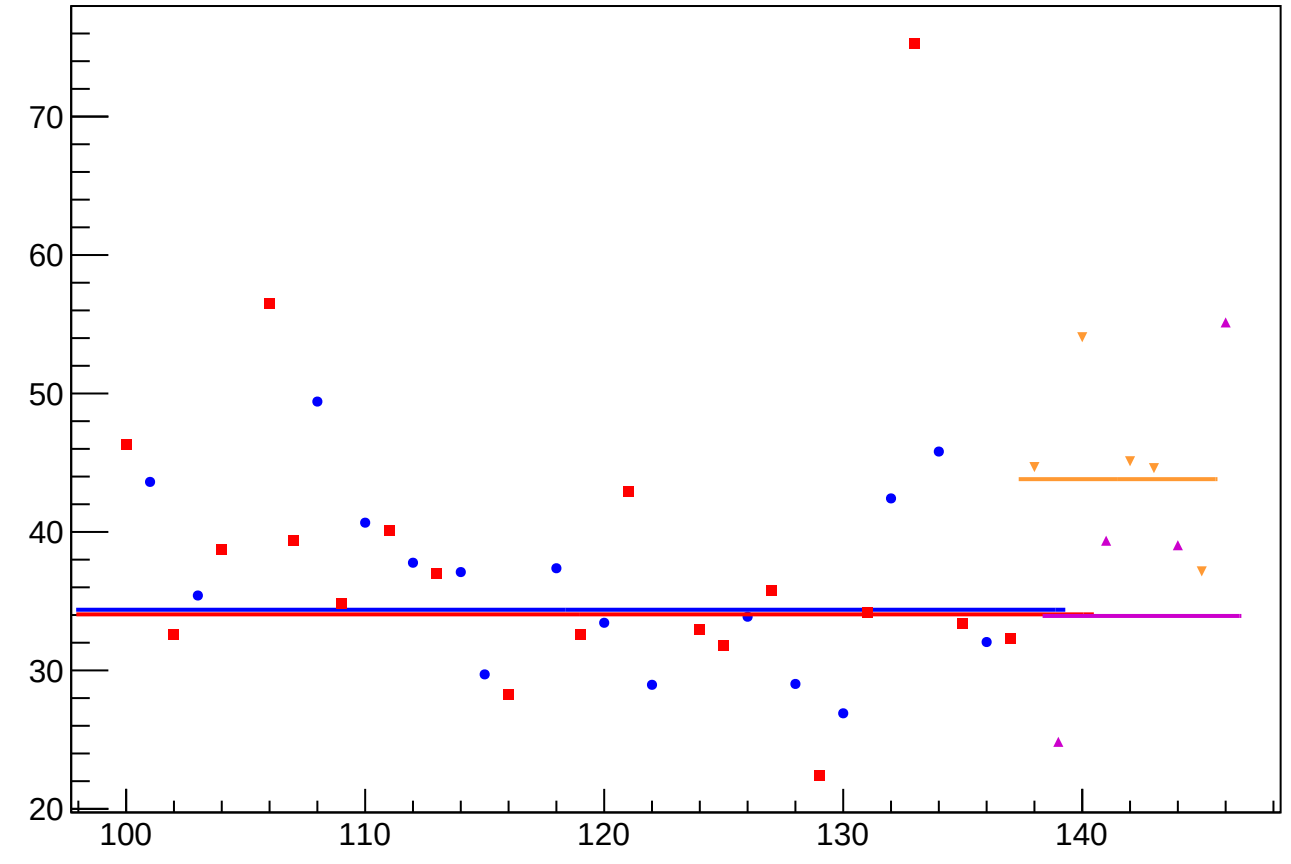
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.013+/-0.020 χ^2/NDF:8.2/3

+ sign 0.004+/-0.012 χ^2/NDF: 23.9/20

All: 0.003+/-0.008 χ^2/NDF: 48.2/43

- sign 0.003+/-0.011 χ^2/NDF: 24.3/22



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 43.813+/-0.017 χ^2/NDF:103813.6/4

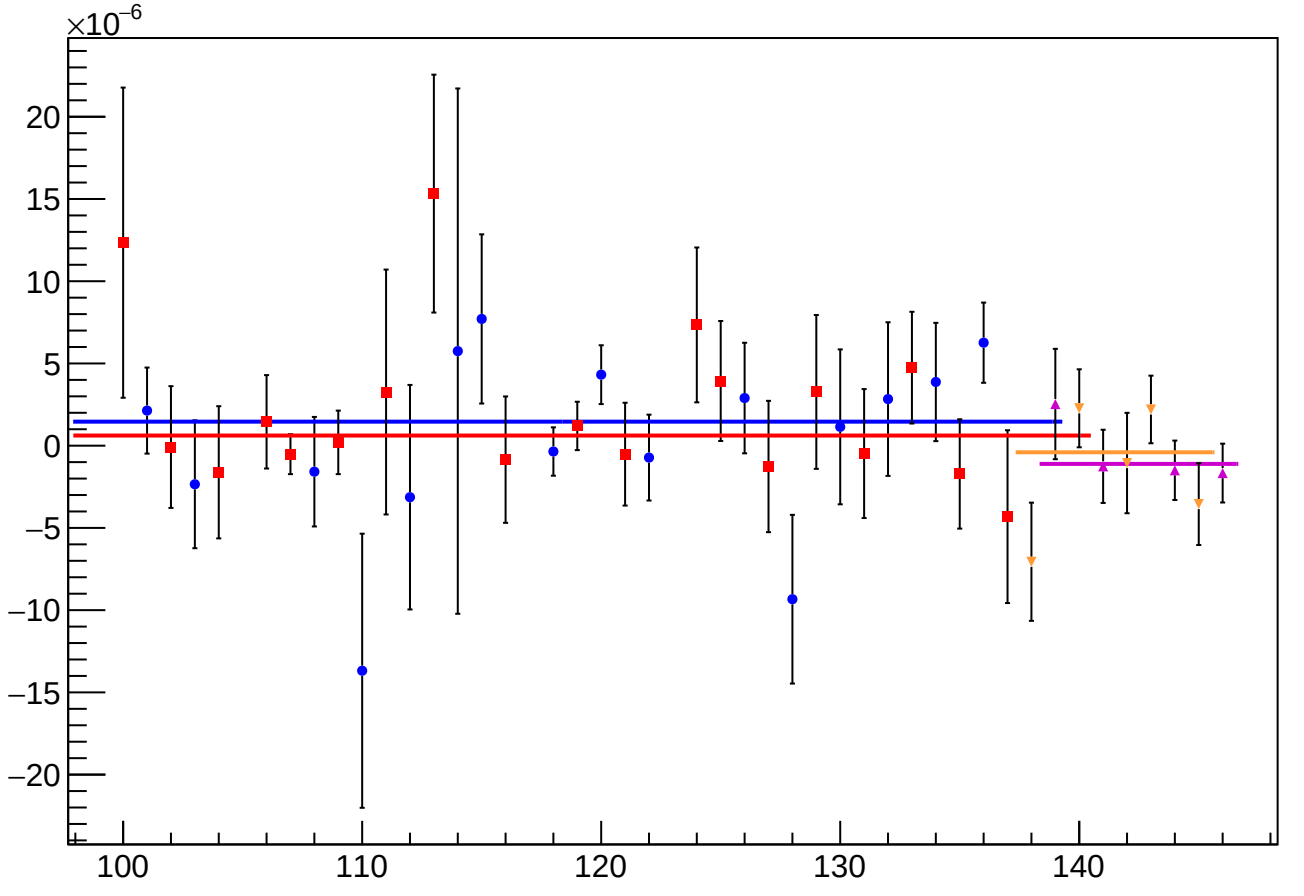
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.933+/-0.014 χ^2/NDF:497534.3/3

+ sign 36.623+/-0.008 χ^2/NDF: 707311.6/20

All: 35.232+/-0.006 χ^2/NDF: 1900709.4/43

- sign 34.012+/-0.008 χ^2/NDF: 1140278.3/22



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

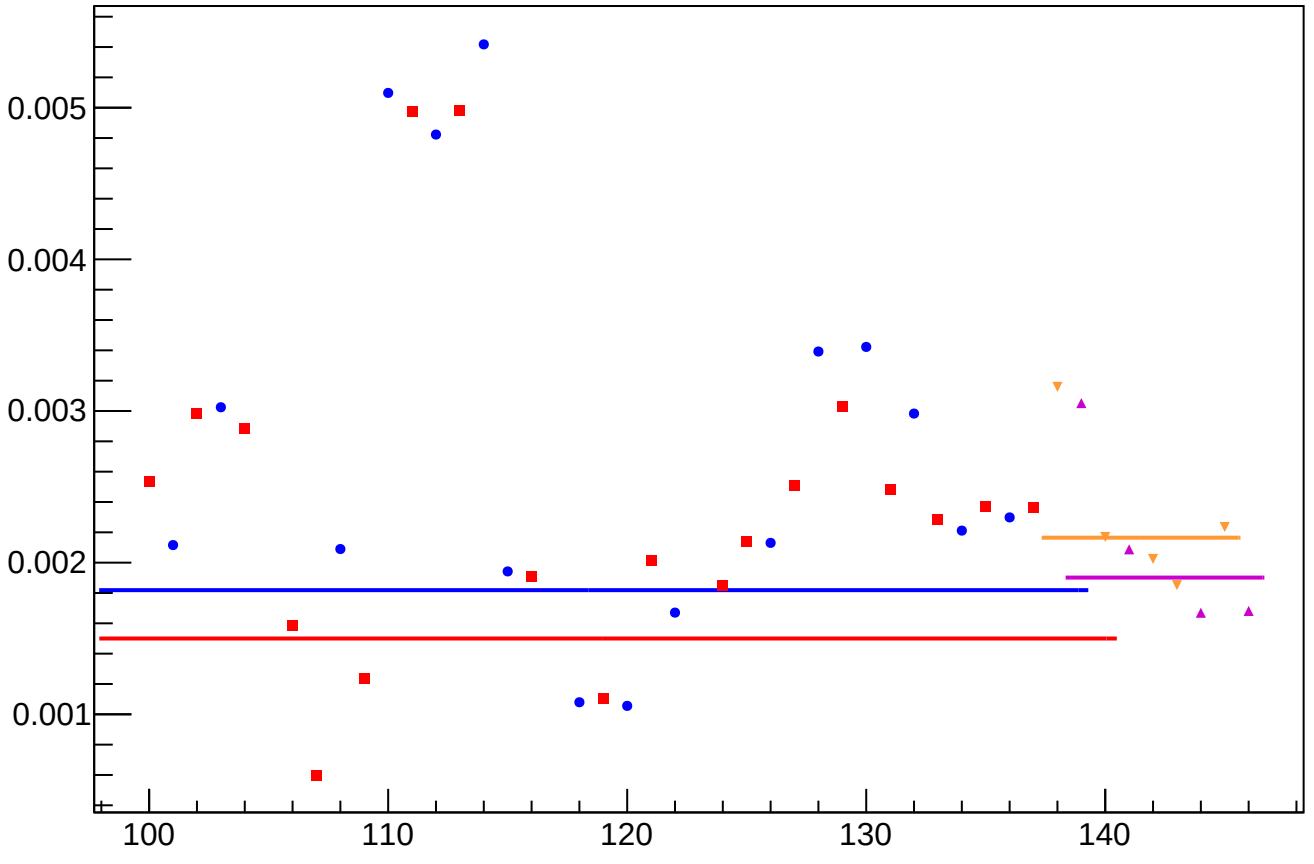
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/20

All: 0.000+/-0.000 χ^2/NDF: 48.8/43

- sign 0.000+/-0.000 χ^2/NDF: 17.2/22



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:205267.6/4

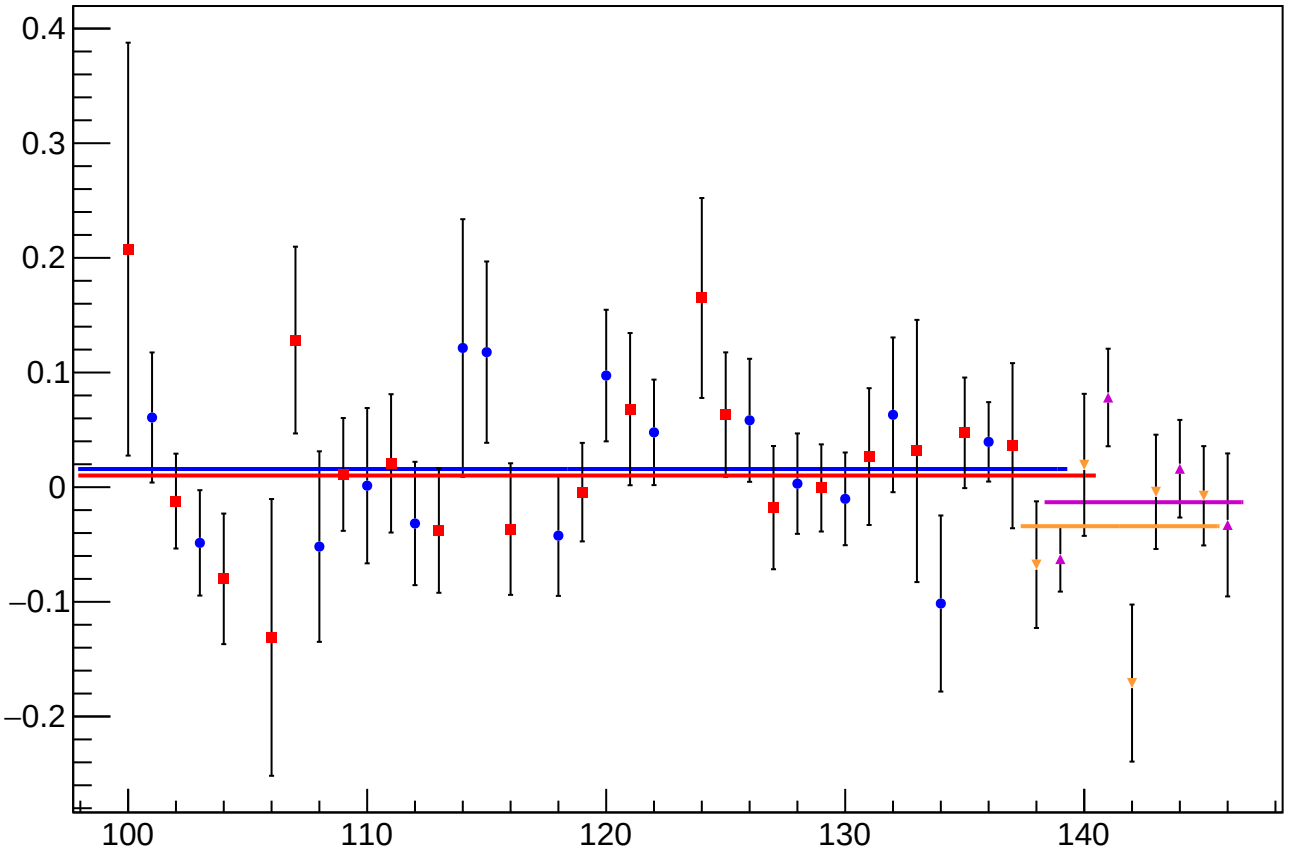
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:312400.3/3

+ sign 0.002+/-0.000 χ^2/NDF: 2902756.1/20

All: 0.002+/-0.000 χ^2/NDF: 7396848.8/43

- sign 0.002+/-0.000 χ^2/NDF: 4214783.5/22



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

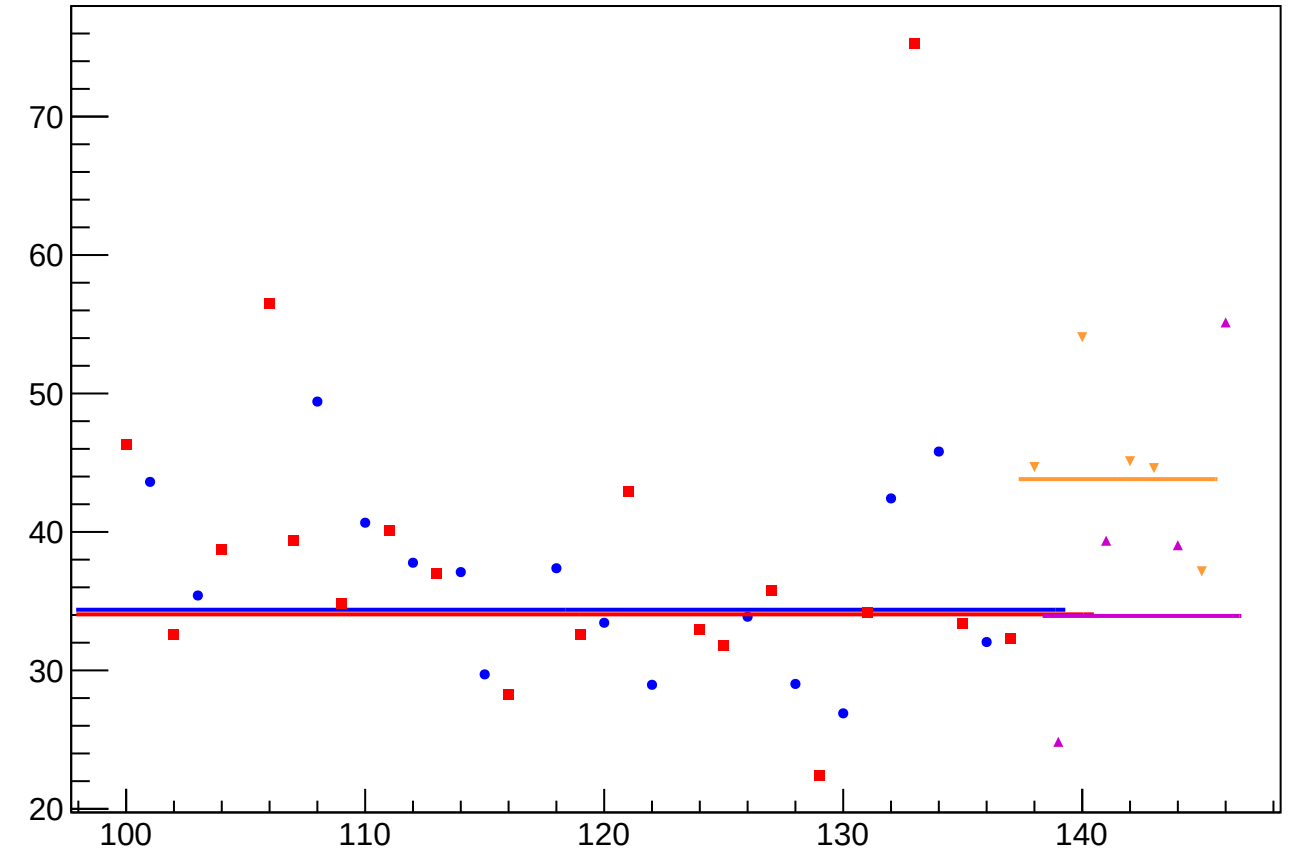
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.013+/-0.020 χ^2/NDF:8.2/3

+ sign 0.004+/-0.012 χ^2/NDF: 23.9/20

All: 0.003+/-0.008 χ^2/NDF: 48.2/43

- sign 0.003+/-0.011 χ^2/NDF: 24.3/22



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 43.814+/-0.017 χ^2/NDF:103799.8/4

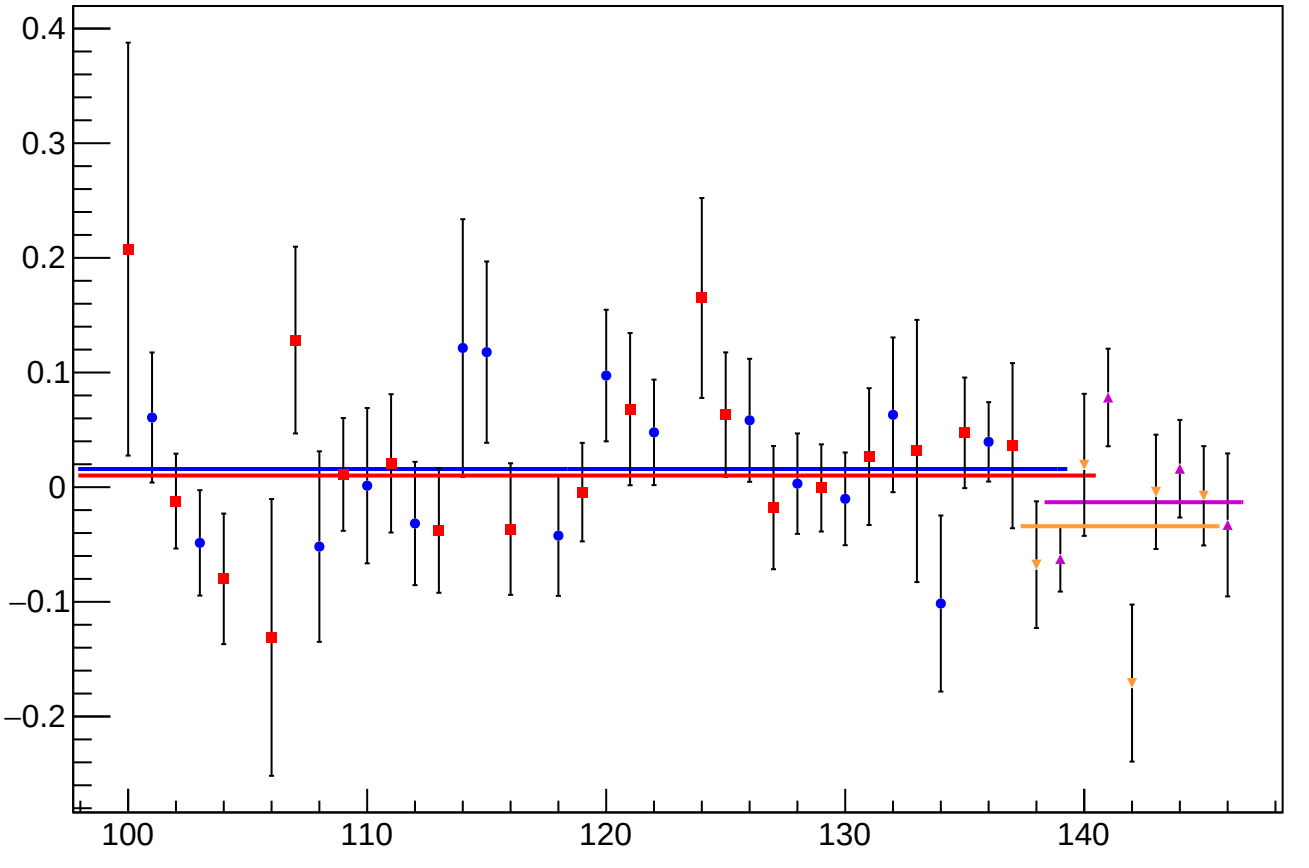
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.933+/-0.014 χ^2/NDF:497546.1/3

+ sign 36.623+/-0.008 χ^2/NDF: 707420.3/20

All: 35.232+/-0.006 χ^2/NDF: 1900862.6/43

- sign 34.011+/-0.008 χ^2/NDF: 1140333.6/22



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

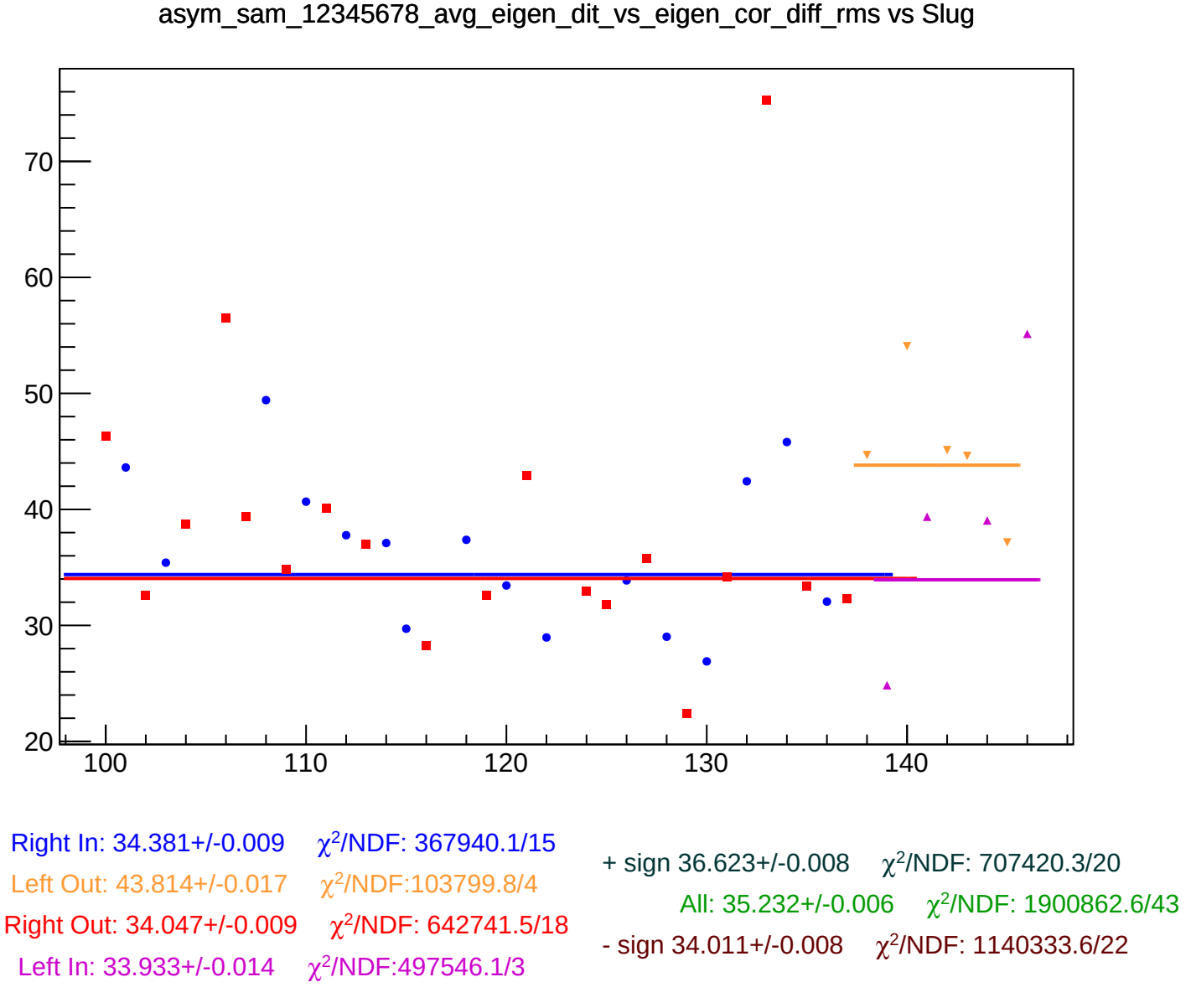
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

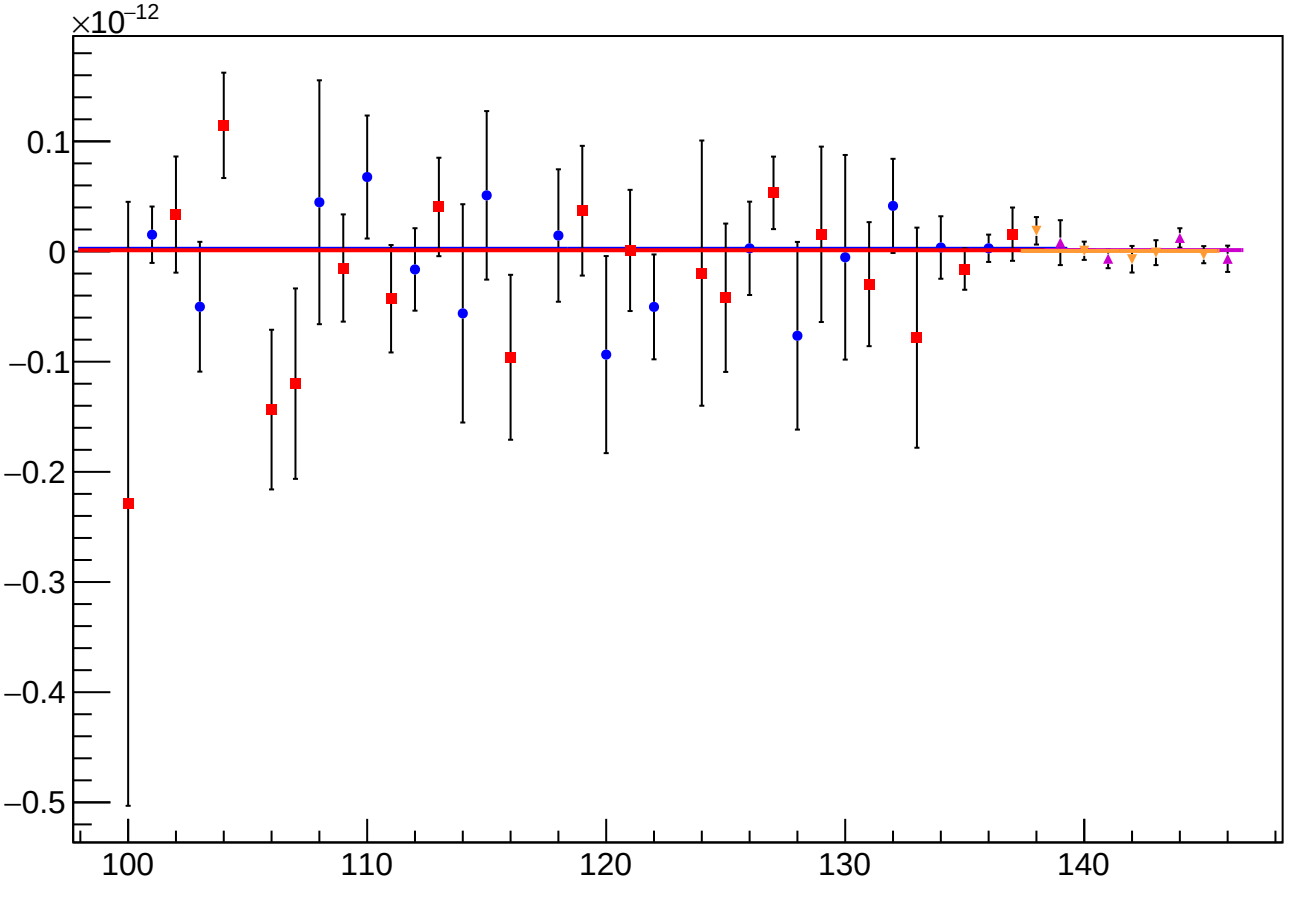
Left In: -0.013+/-0.020 χ^2/NDF:8.2/3

+ sign 0.004+/-0.012 χ^2/NDF: 23.9/20

All: 0.003+/-0.008 χ^2/NDF: 48.2/43

- sign 0.003+/-0.011 χ^2/NDF: 24.3/22


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 43.814+/-0.017 χ²/NDF:103799.8/4
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 33.933+/-0.014 χ²/NDF:497546.1/3
+ sign 36.623+/-0.008 χ²/NDF: 707420.3/20
All: 35.232+/-0.006 χ²/NDF: 1900862.6/43
- sign 34.011+/-0.008 χ²/NDF: 1140333.6/22



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/4

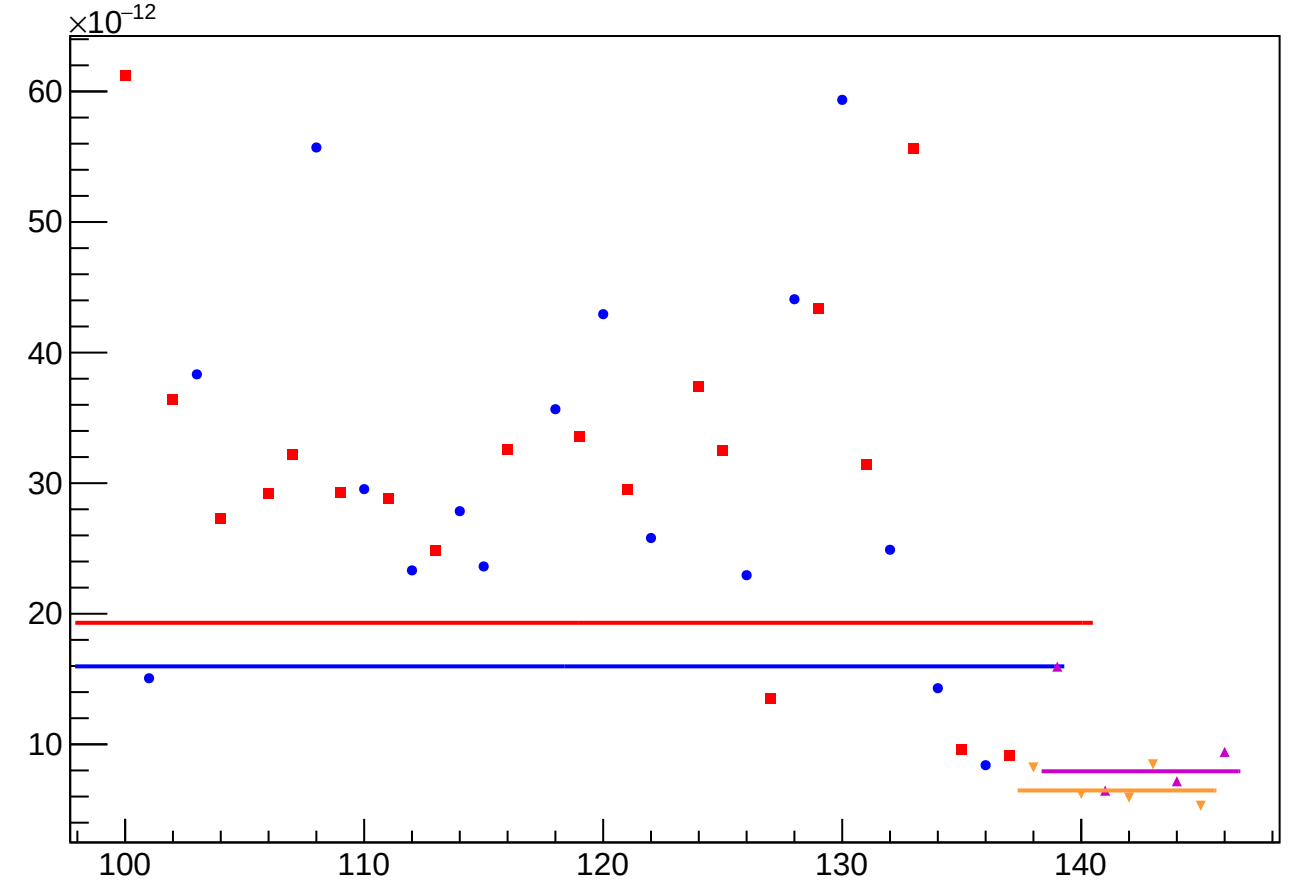
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/3

+ sign 0.000+/-0.000 χ^2/NDF: 10.5/20

All: 0.000+/-0.000 χ^2/NDF: 34.9/43

- sign 0.000+/-0.000 χ^2/NDF: 24.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:154105.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

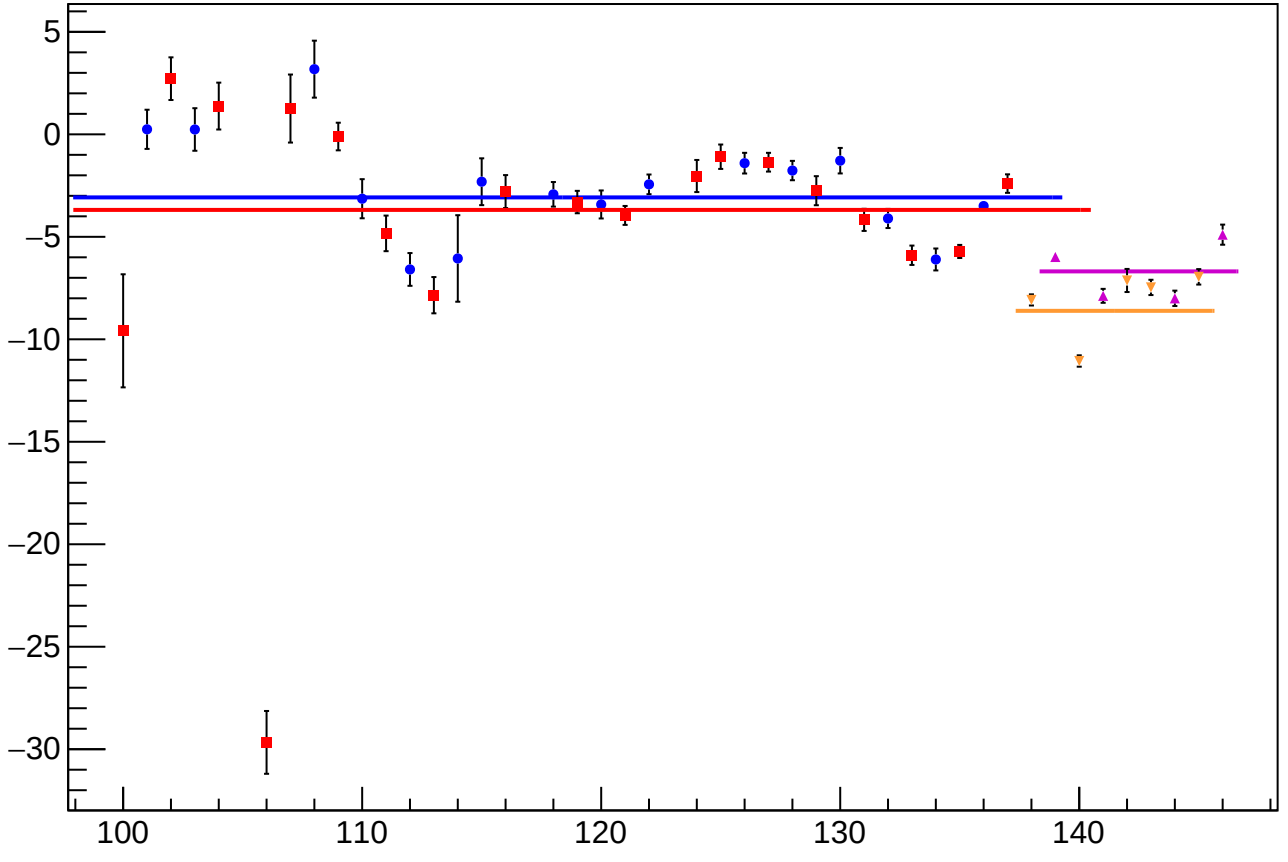
Left In: 0.000+/-0.000 χ^2/NDF:414578.3/3

+ sign 0.000+/-0.000 χ^2/NDF: 4874637.3/20

All: 0.000+/-0.000 χ^2/NDF: 9895615.8/43

- sign 0.000+/-0.000 χ^2/NDF: 4814185.1/22

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.611+/-0.151 χ^2/NDF:117.2/4

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

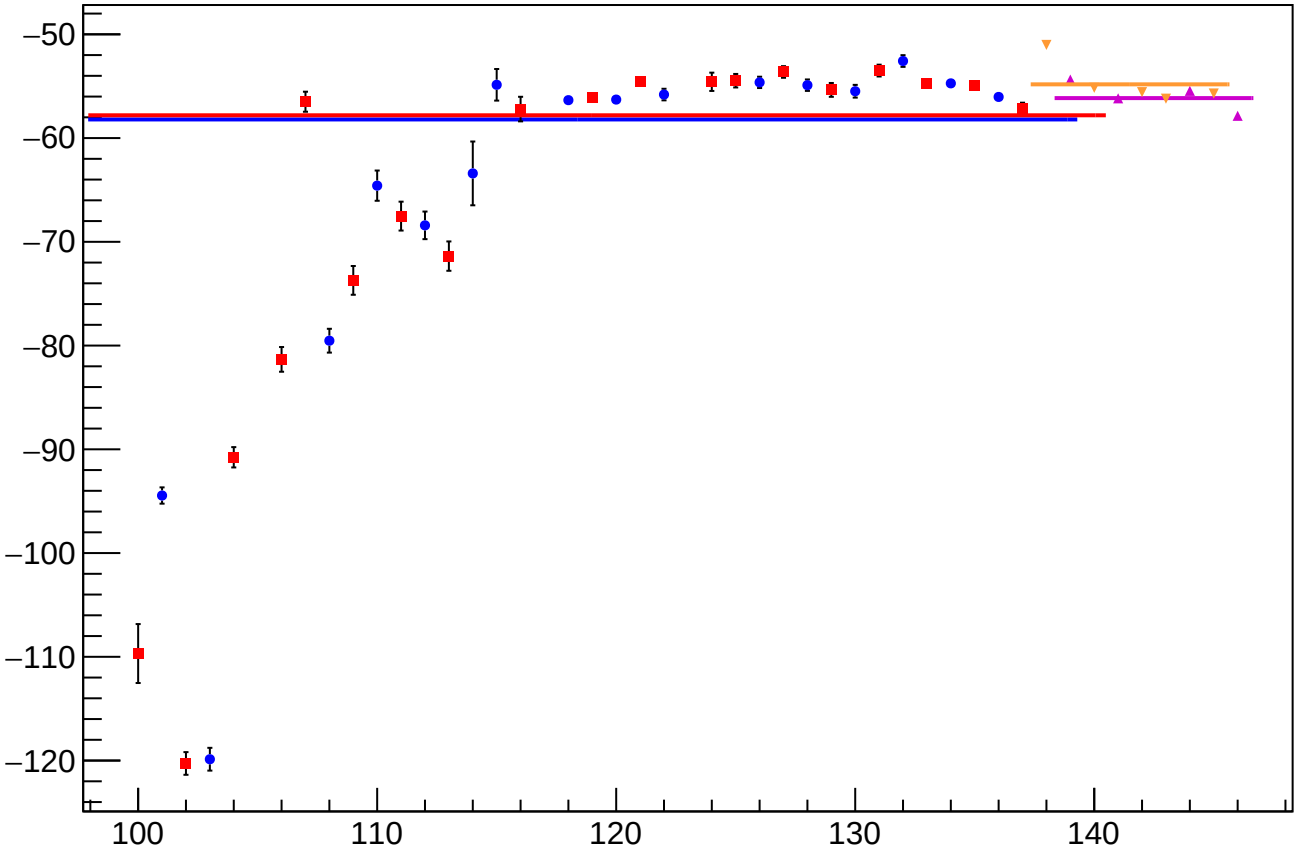
Left In: -6.687+/-0.164 χ^2/NDF:46.5/3

+ sign -5.541+/-0.101 χ^2/NDF: 997.0/20

All: -5.265+/-0.073 χ^2/NDF: 1787.8/43

- sign -4.955+/-0.107 χ^2/NDF: 774.9/22

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.821+/-0.130 χ^2/NDF:186.7/4

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

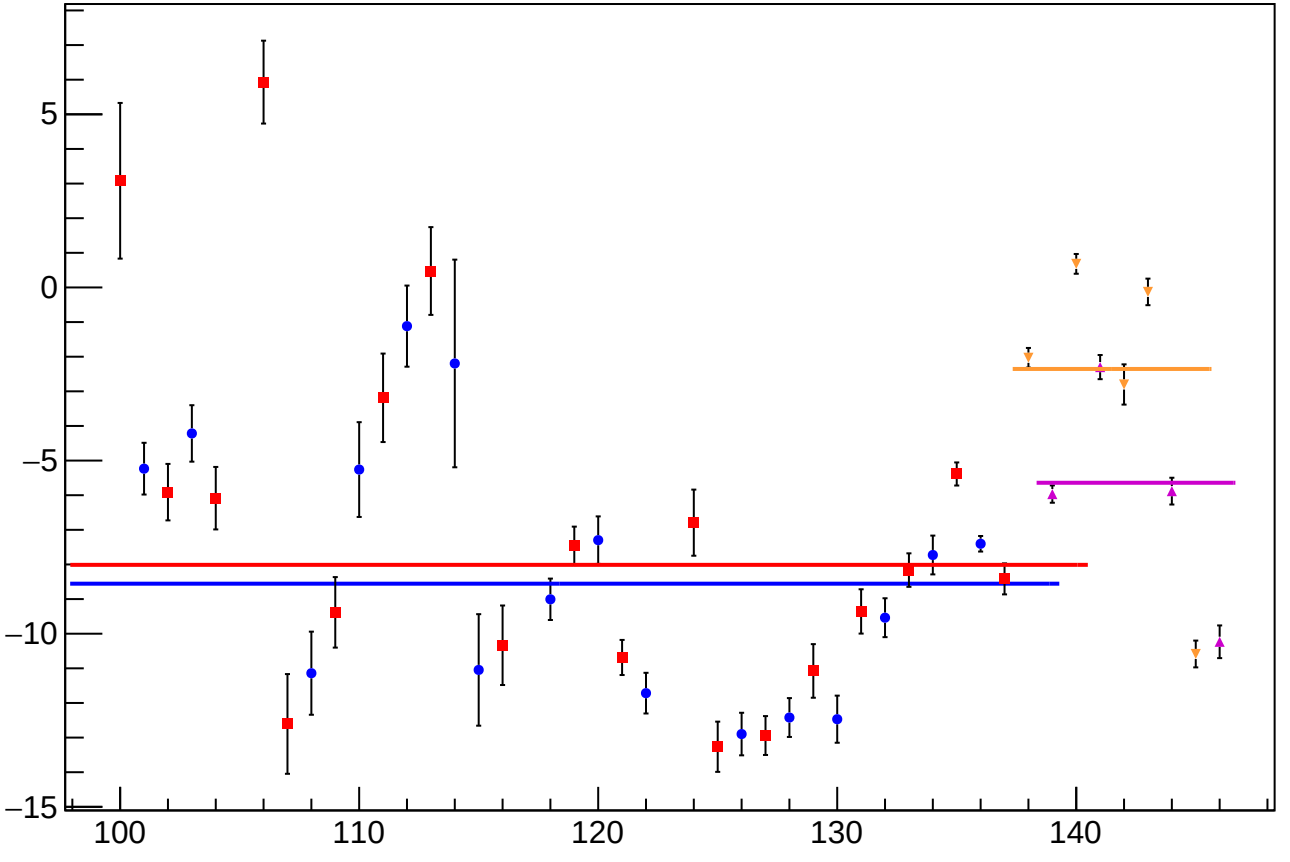
Left In: -56.147+/-0.150 χ^2/NDF:54.3/3

+ sign -56.447+/-0.094 χ^2/NDF: 6637.1/20

All: -56.720+/-0.069 χ^2/NDF: 12568.5/43

- sign -57.040+/-0.102 χ^2/NDF: 5913.0/22

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -2.354+/-0.156 χ^2/NDF:601.5/4

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

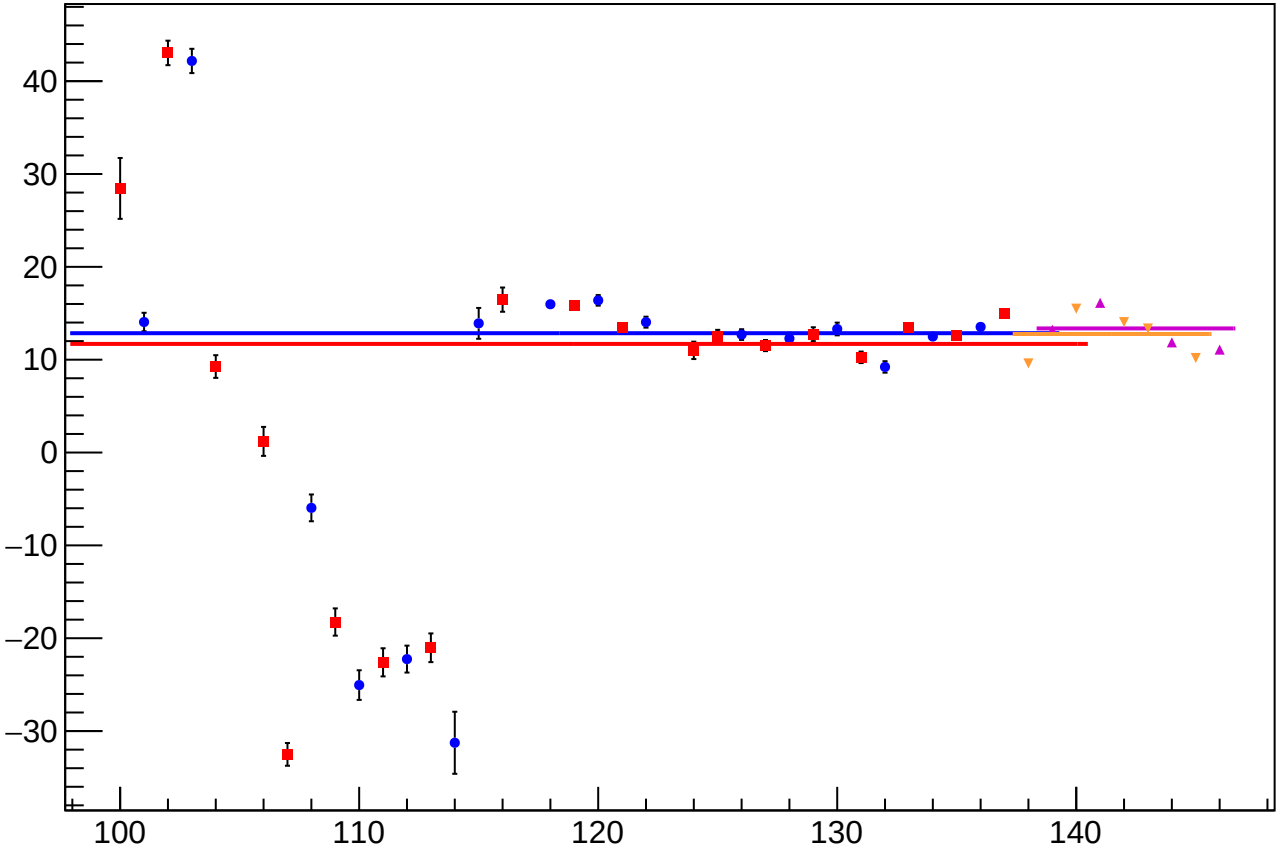
Left In: -5.641+/-0.168 χ^2/NDF:188.5/3

+ sign -5.686+/-0.106 χ^2/NDF: 1751.8/20

All: -6.272+/-0.077 χ^2/NDF: 2603.6/43

- sign -6.938+/-0.113 χ^2/NDF: 786.7/22

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.767+/-0.151 χ^2/NDF:242.4/4

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

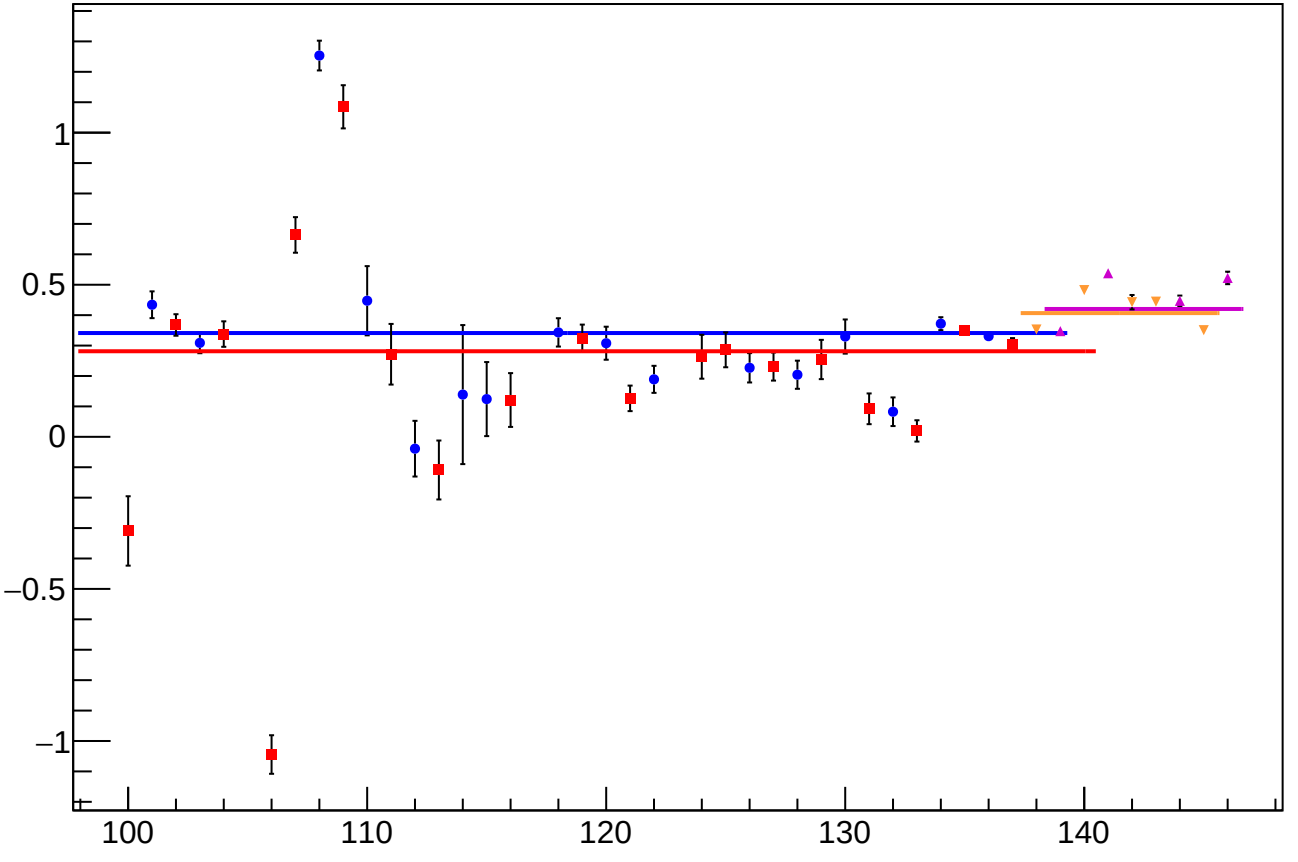
Left In: 13.368+/-0.172 χ^2/NDF:144.3/3

\+ sign 12.811+/-0.107 χ^2/NDF: 2371.0/20

All: 12.642+/-0.078 χ^2/NDF: 6071.2/43

\- sign 12.445+/-0.115 χ^2/NDF: 3694.8/22

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.407+/-0.006 χ^2/NDF:81.5/4

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

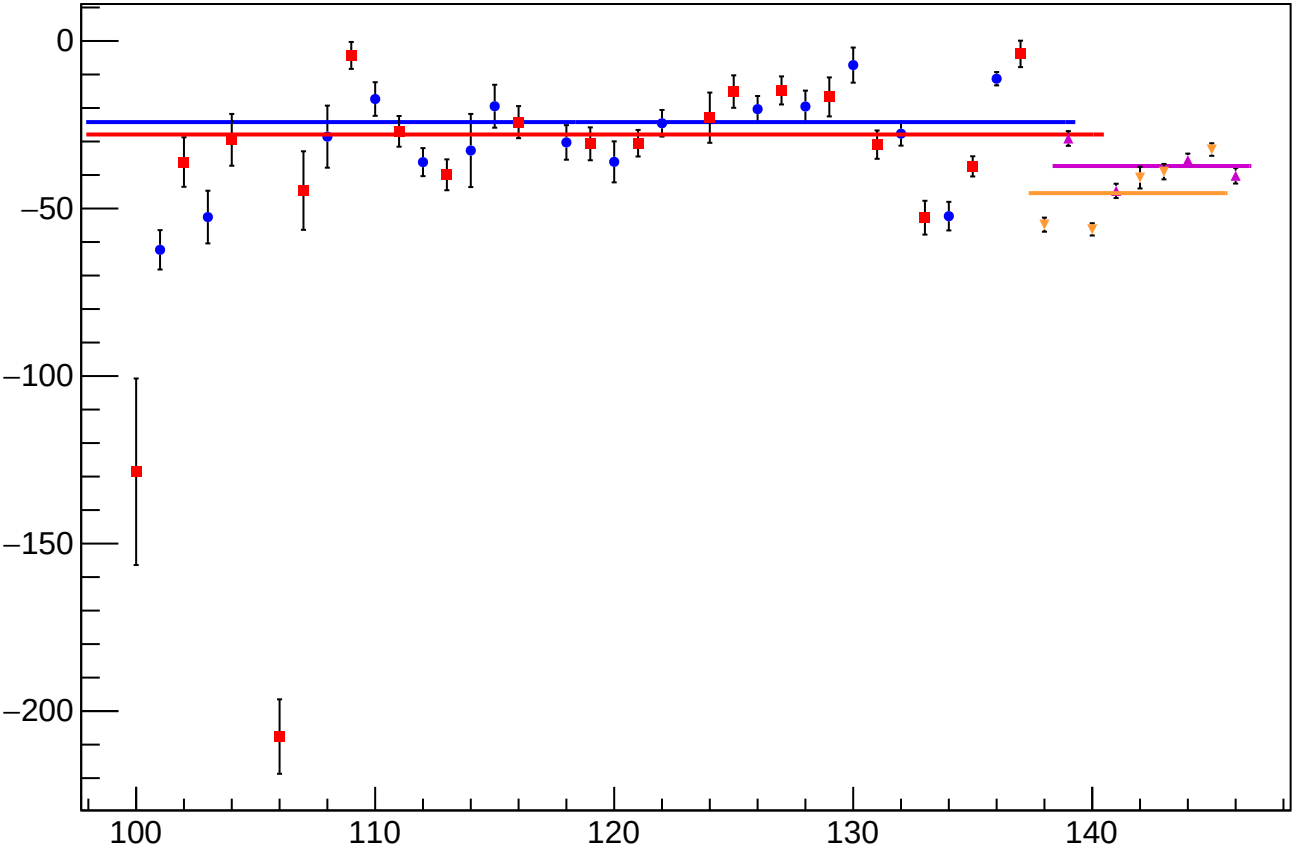
Left In: 0.420+/-0.007 χ^2/NDF:162.2/3

+ sign 0.381+/-0.005 χ^2/NDF: 558.1/20

All: 0.375+/-0.004 χ^2/NDF: 1669.3/43

- sign 0.368+/-0.005 χ^2/NDF: 1108.1/22

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.405+/-0.958 χ^2/NDF:112.6/4

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

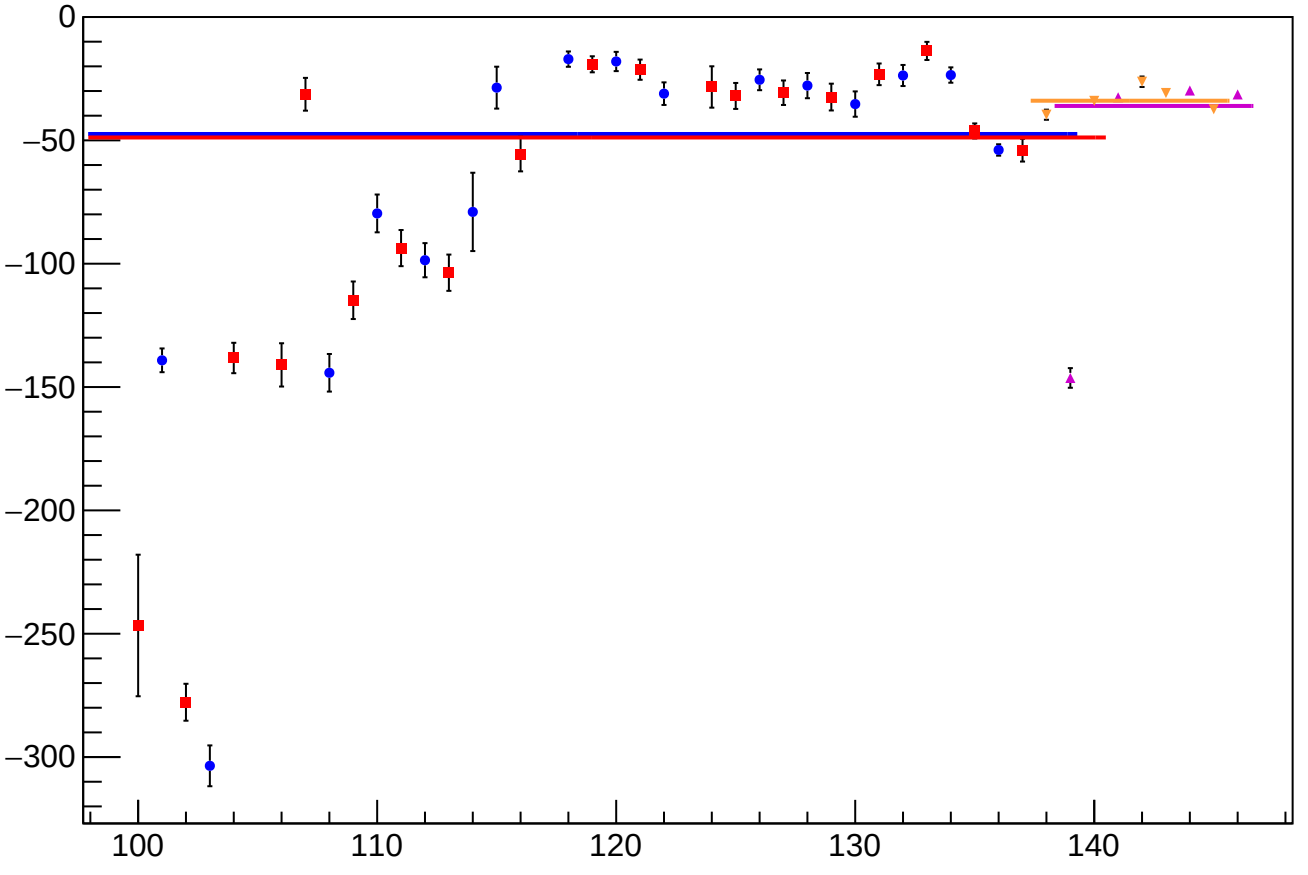
Left In: -37.318+/-1.070 χ^2/NDF:28.4/3

+ sign -36.132+/-0.718 χ^2/NDF: 497.6/20

All: -34.646+/-0.528 χ^2/NDF: 985.0/43

- sign -32.899+/-0.779 χ^2/NDF: 478.1/22

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -33.931+/-0.773 χ^2/NDF:29.4/4

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

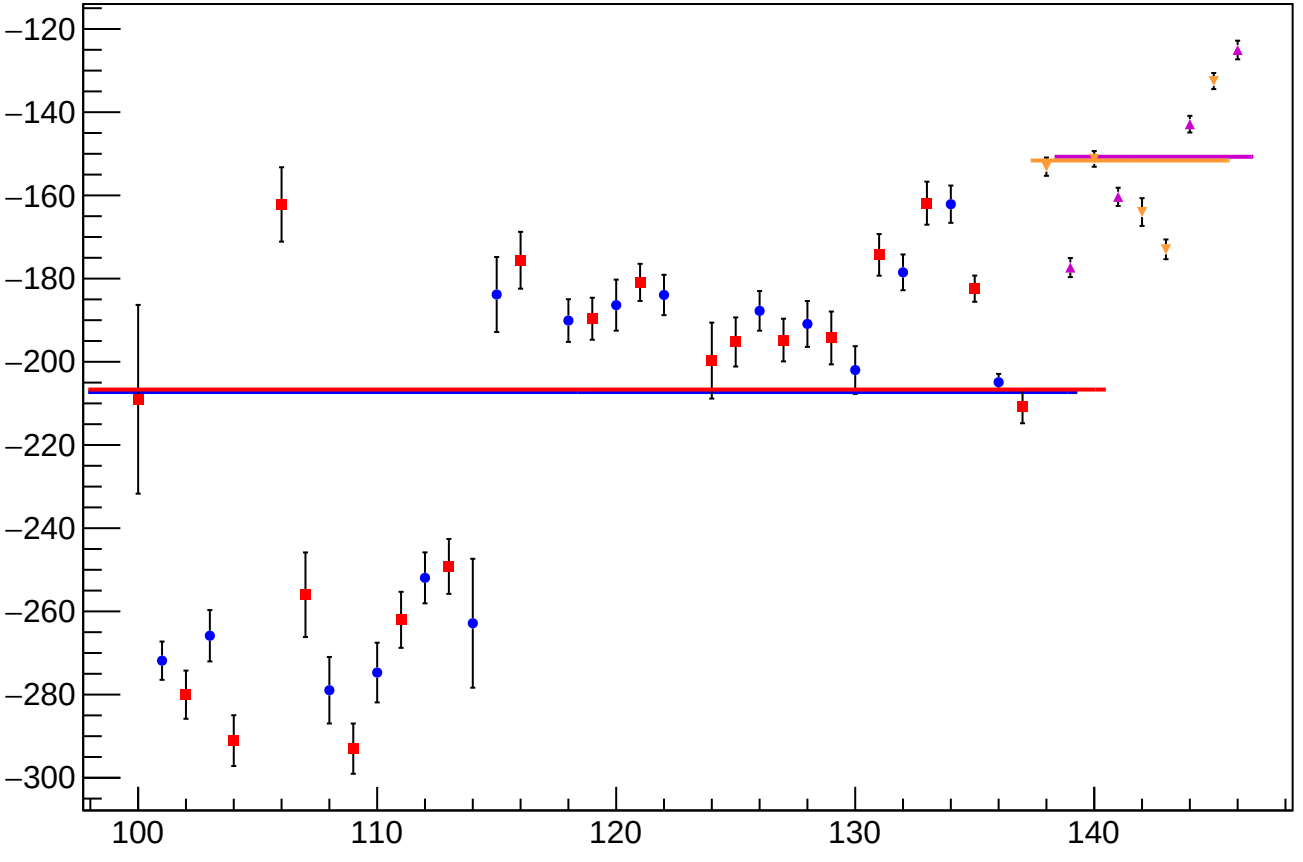
Left In: -36.050+/-0.820 χ^2/NDF:801.0/3

\+ sign -38.382+/-0.632 χ^2/NDF: 2003.4/20

All: -39.234+/-0.461 χ^2/NDF: 4661.8/43

\- sign -40.202+/-0.674 χ^2/NDF: 2654.5/22

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -151.612+/-0.989 χ^2/NDF:192.8/4

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

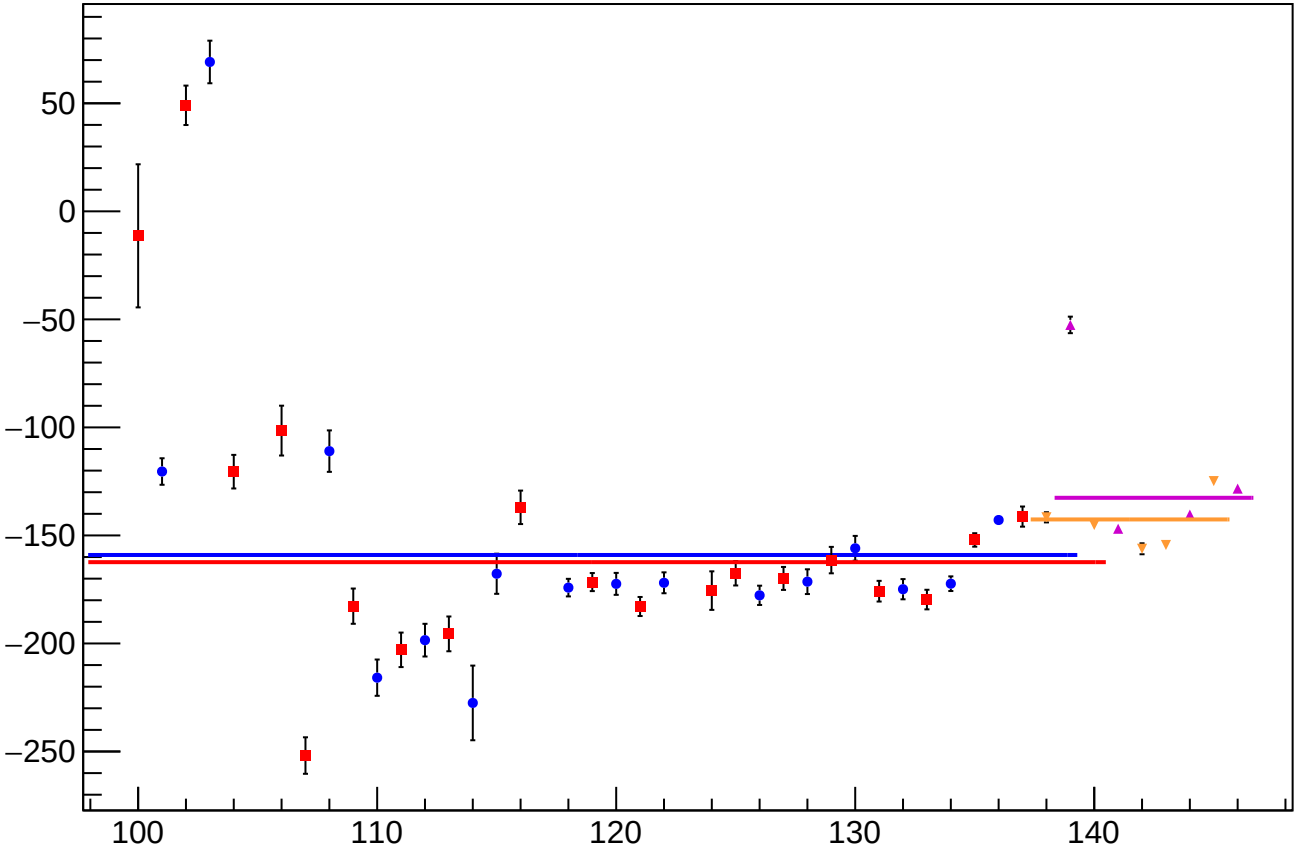
Left In: -150.715+/-1.087 χ^2/NDF:300.4/3

+ sign -174.607+/-0.757 χ^2/NDF: 2250.4/20

All: -174.406+/-0.559 χ^2/NDF: 4631.5/43

- sign -174.166+/-0.828 χ^2/NDF: 2381.0/22

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -142.601+/-0.908 χ^2/NDF:168.3/4

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

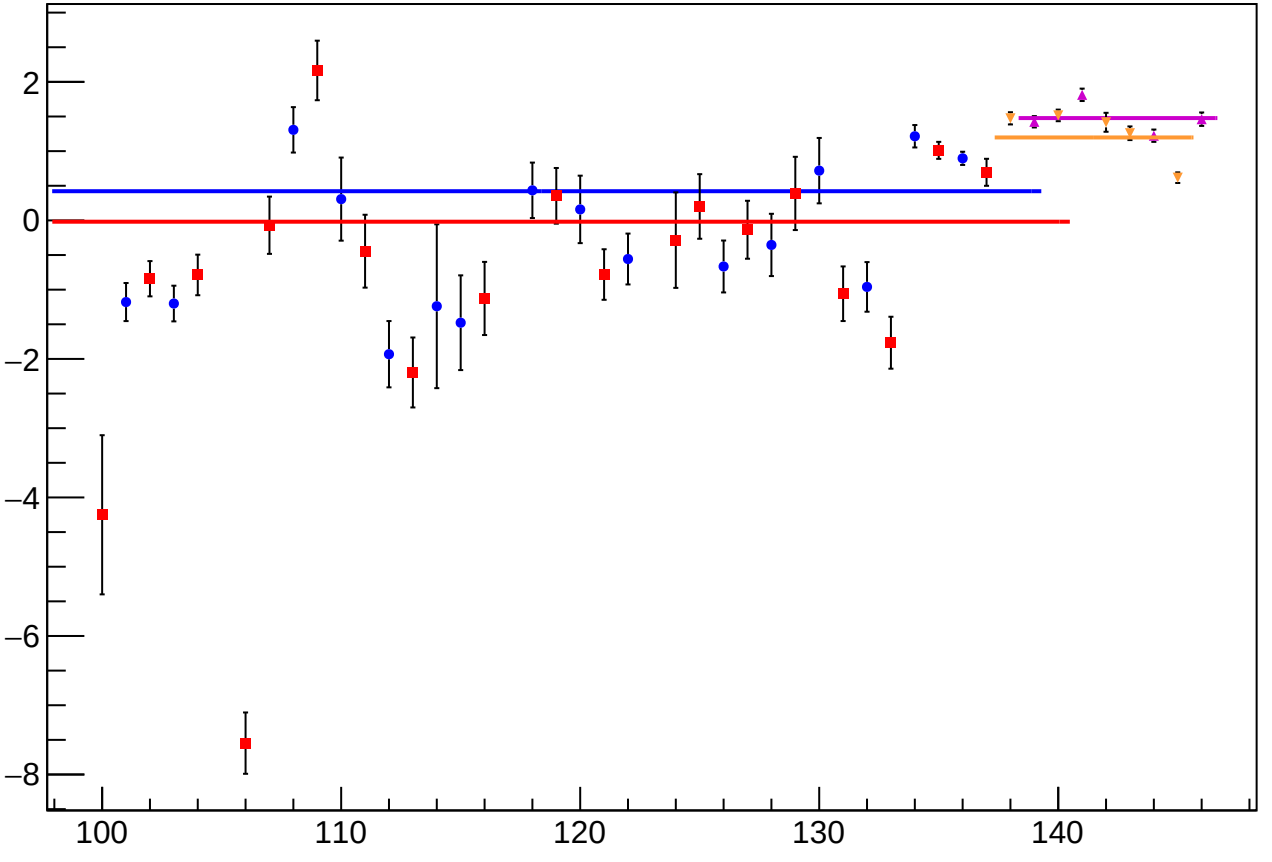
Left In: -132.583+/-0.977 χ^2/NDF:525.1/3

+ sign -148.428+/-0.729 χ^2/NDF: 1100.4/20

All: -145.953+/-0.535 χ^2/NDF: 2850.7/43

- sign -143.078+/-0.786 χ^2/NDF: 1725.4/22

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.198+/-0.041 χ^2/NDF:84.5/4

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

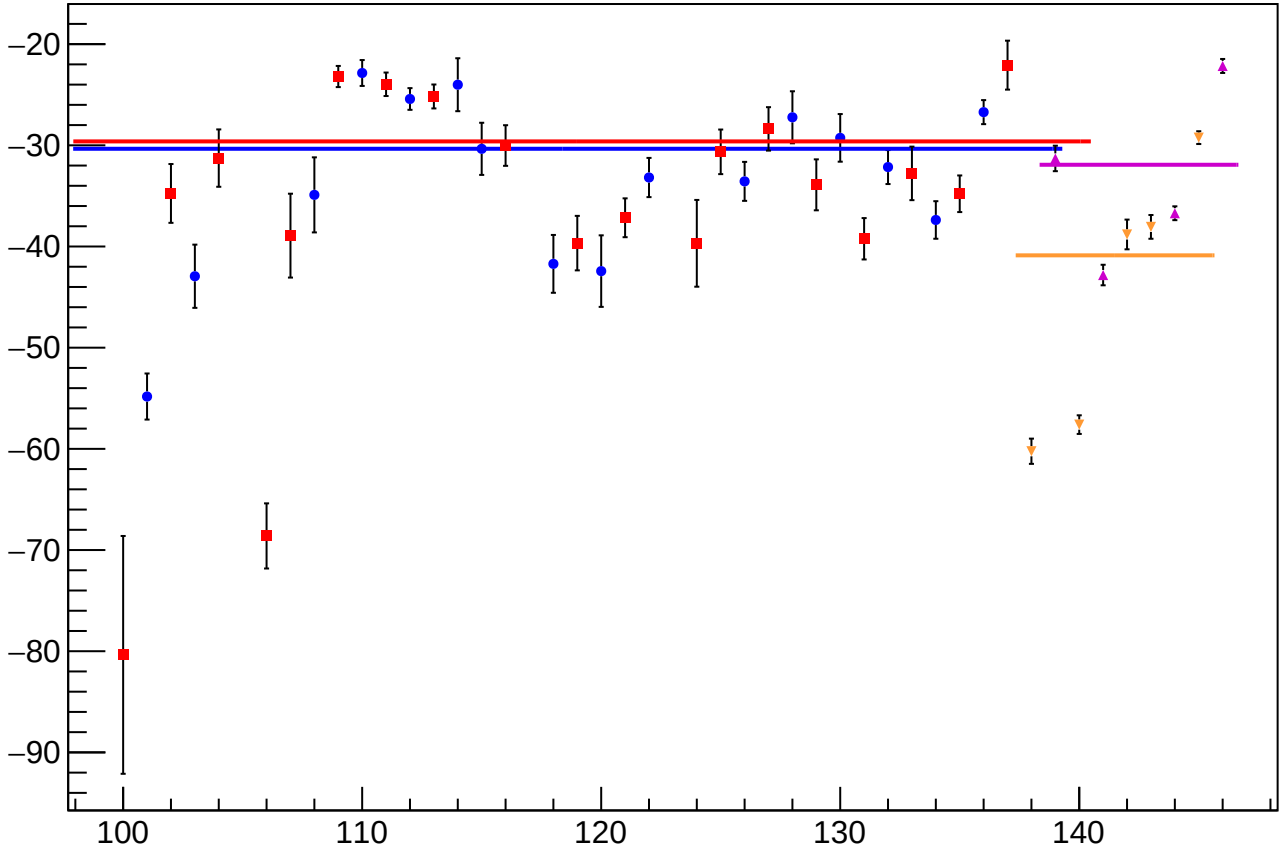
Left In: 1.477+/-0.044 χ^2/NDF:22.7/3

+ sign 0.976+/-0.035 χ^2/NDF: 384.6/20

All: 1.018+/-0.026 χ^2/NDF: 1209.2/43

- sign 1.067+/-0.038 χ^2/NDF: 821.5/22

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.874+/-0.426 χ^2/NDF:917.8/4

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

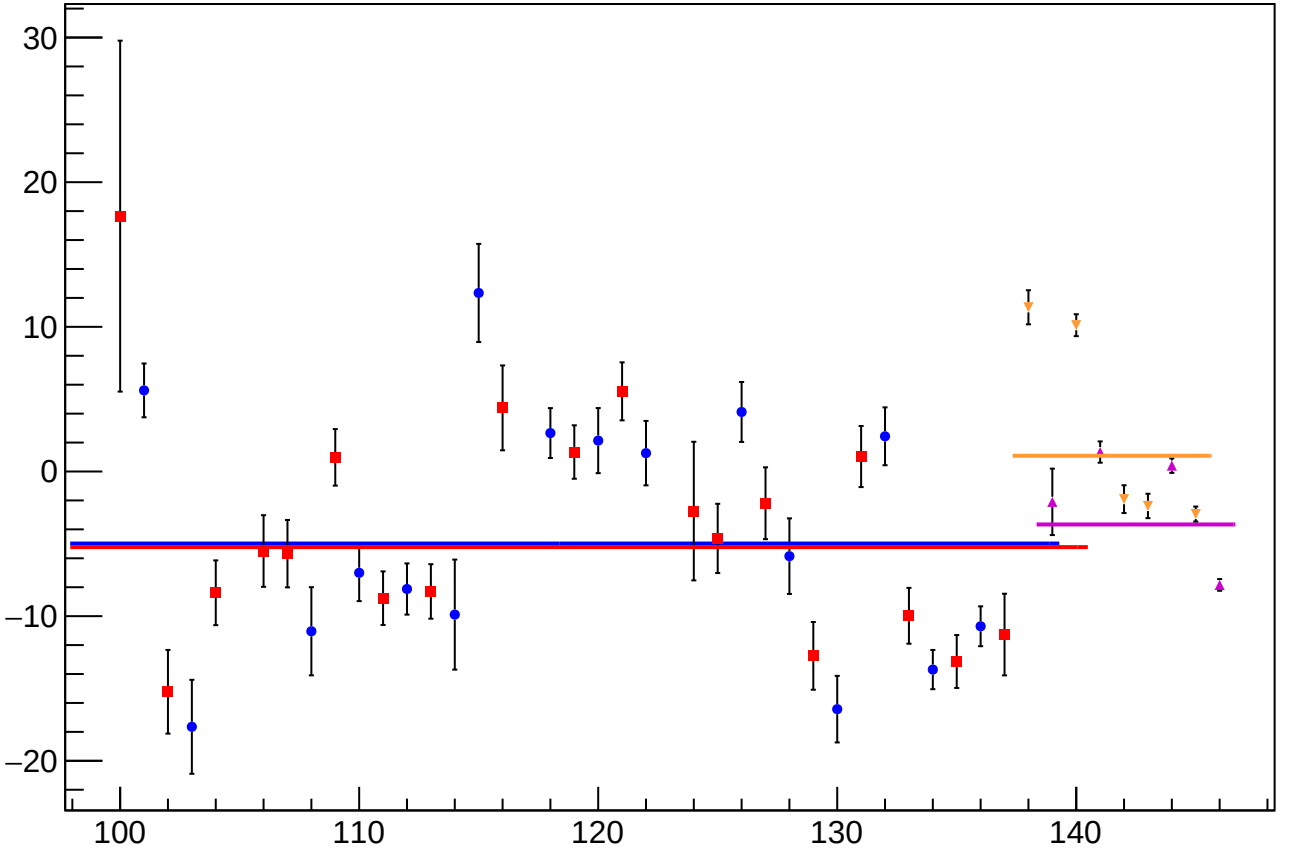
Left In: -31.922+/-0.414 χ^2/NDF:364.2/3

+ sign -36.103+/-0.315 χ^2/NDF: 1448.7/20

All: -33.399+/-0.219 χ^2/NDF: 2299.2/43

- sign -30.864+/-0.305 χ^2/NDF: 707.6/22

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 1.088+/-0.339 χ^2/NDF:305.3/4

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

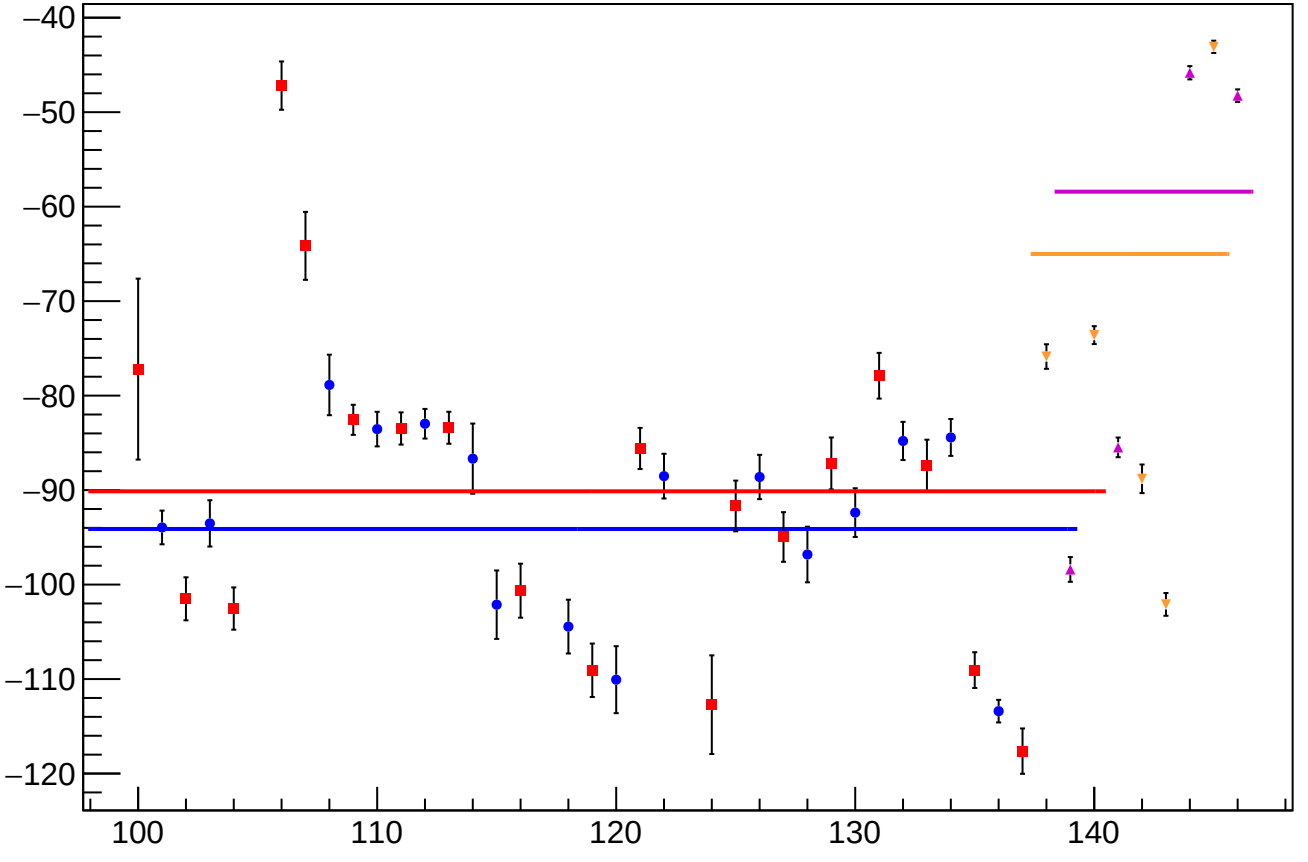
Left In: -3.661+/-0.287 χ^2/NDF:218.9/3

+ sign -0.776+/-0.282 χ^2/NDF: 640.8/20

All: -2.584+/-0.188 χ^2/NDF: 1076.7/43

- sign -4.024+/-0.252 χ^2/NDF: 362.2/22

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -65.009+/-0.439 χ^2/NDF:2479.6/4

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

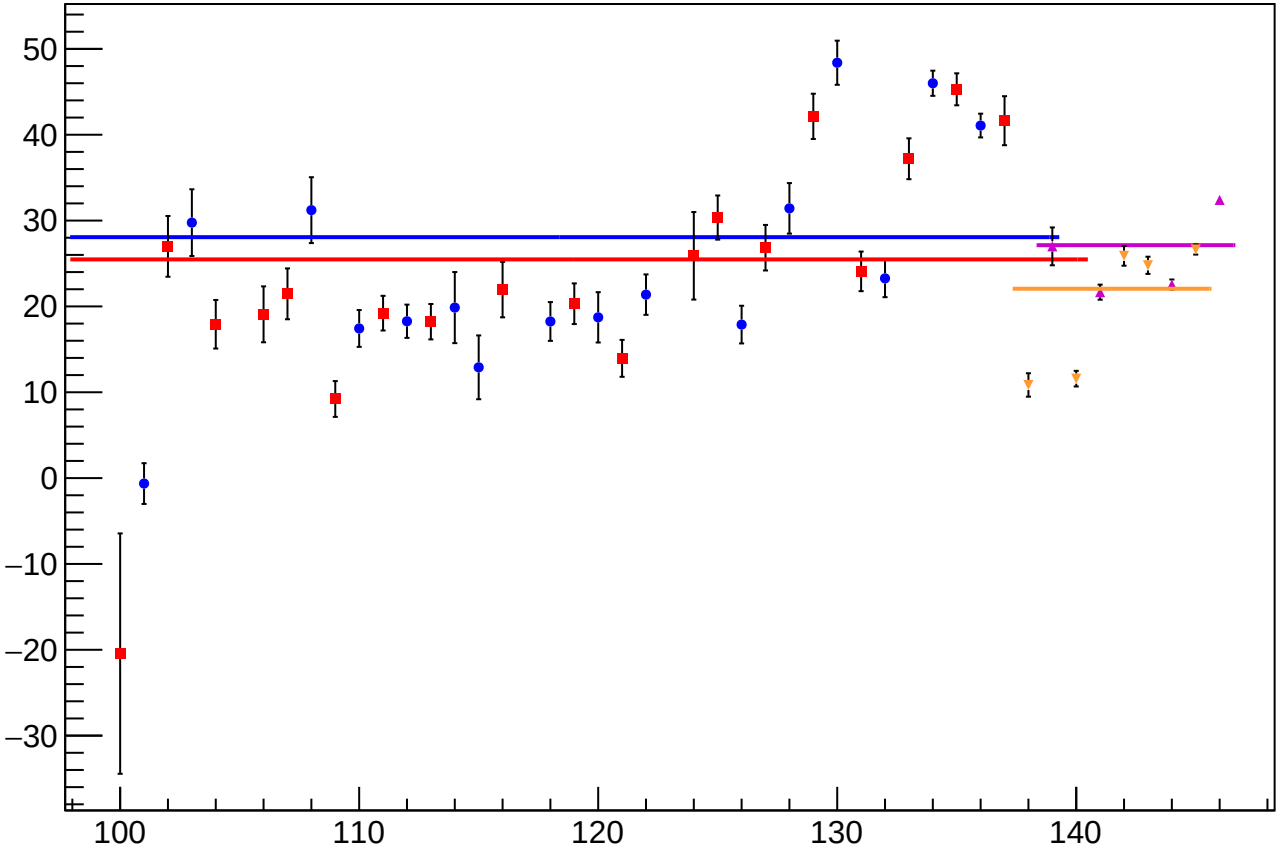
Left In: -58.414+/-0.416 χ^2/NDF:2159.7/3

+ sign -76.663+/-0.340 χ^2/NDF: 4707.7/20

All: -73.313+/-0.237 χ^2/NDF: 9995.1/43

- sign -70.148+/-0.330 χ^2/NDF: 5098.3/22

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 22.061+/-0.397 χ^2/NDF:277.4/4

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

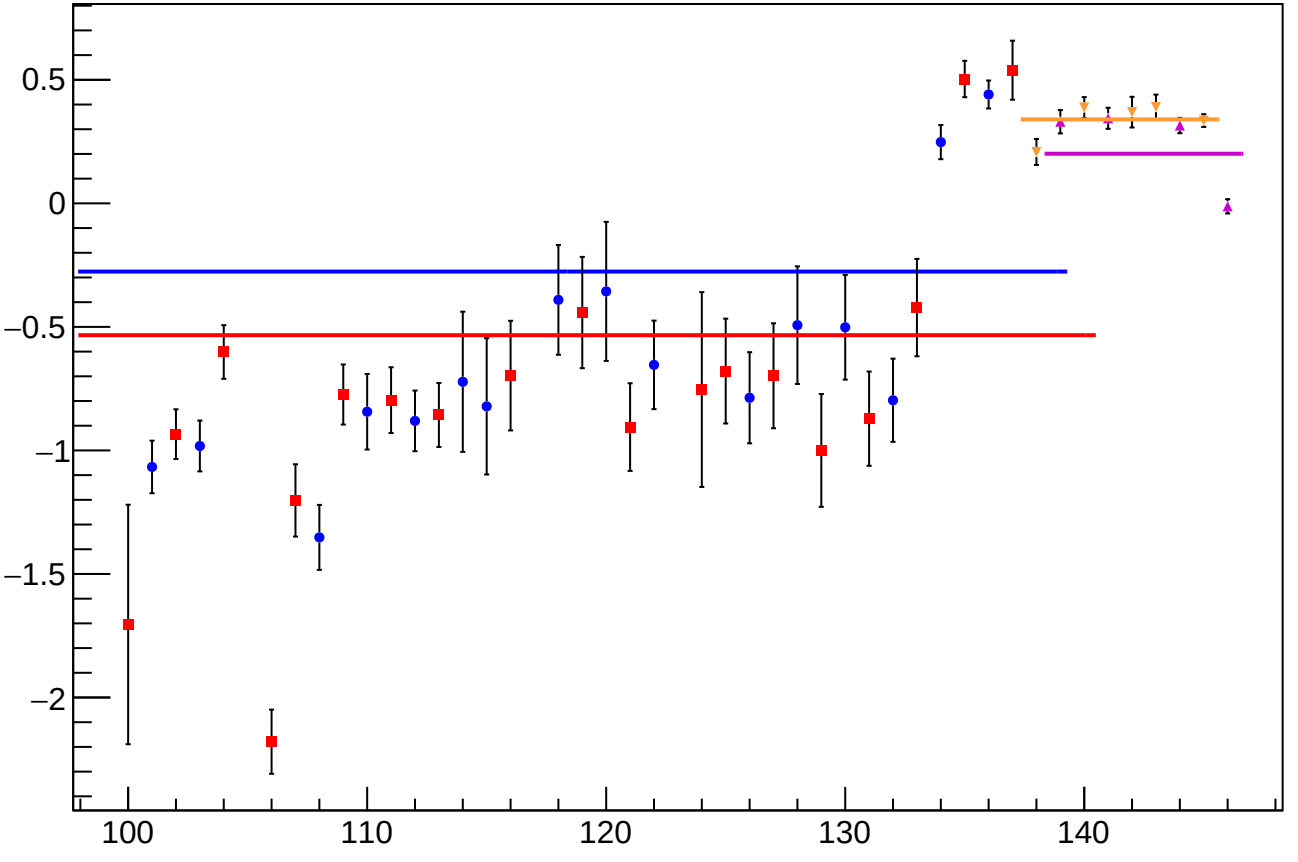
Left In: 27.135+/-0.349 χ^2/NDF:206.1/3

+ sign 24.030+/-0.326 χ^2/NDF: 935.5/20

All: 25.476+/-0.221 χ^2/NDF: 1538.5/43

- sign 26.706+/-0.300 χ^2/NDF: 566.6/22

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.340+/-0.018 χ^2/NDF:8.8/4

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

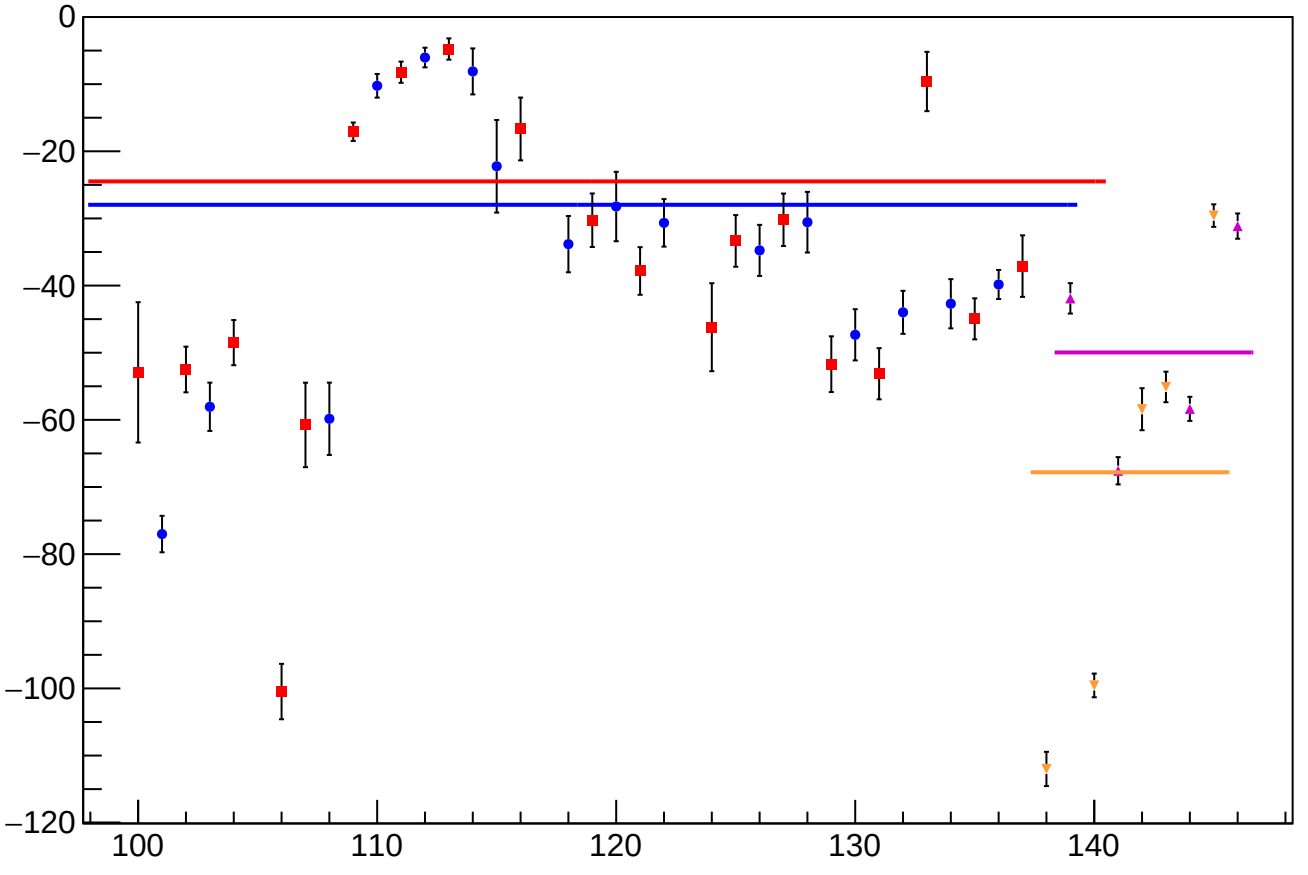
Left In: 0.201+/-0.018 χ^2/NDF:86.8/3

+ sign 0.181+/-0.016 χ^2/NDF: 764.5/20

All: 0.109+/-0.011 χ^2/NDF: 1793.4/43

- sign 0.037+/-0.015 χ^2/NDF: 985.7/22

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -67.808+/-0.943 χ^2/NDF:1182.3/4

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

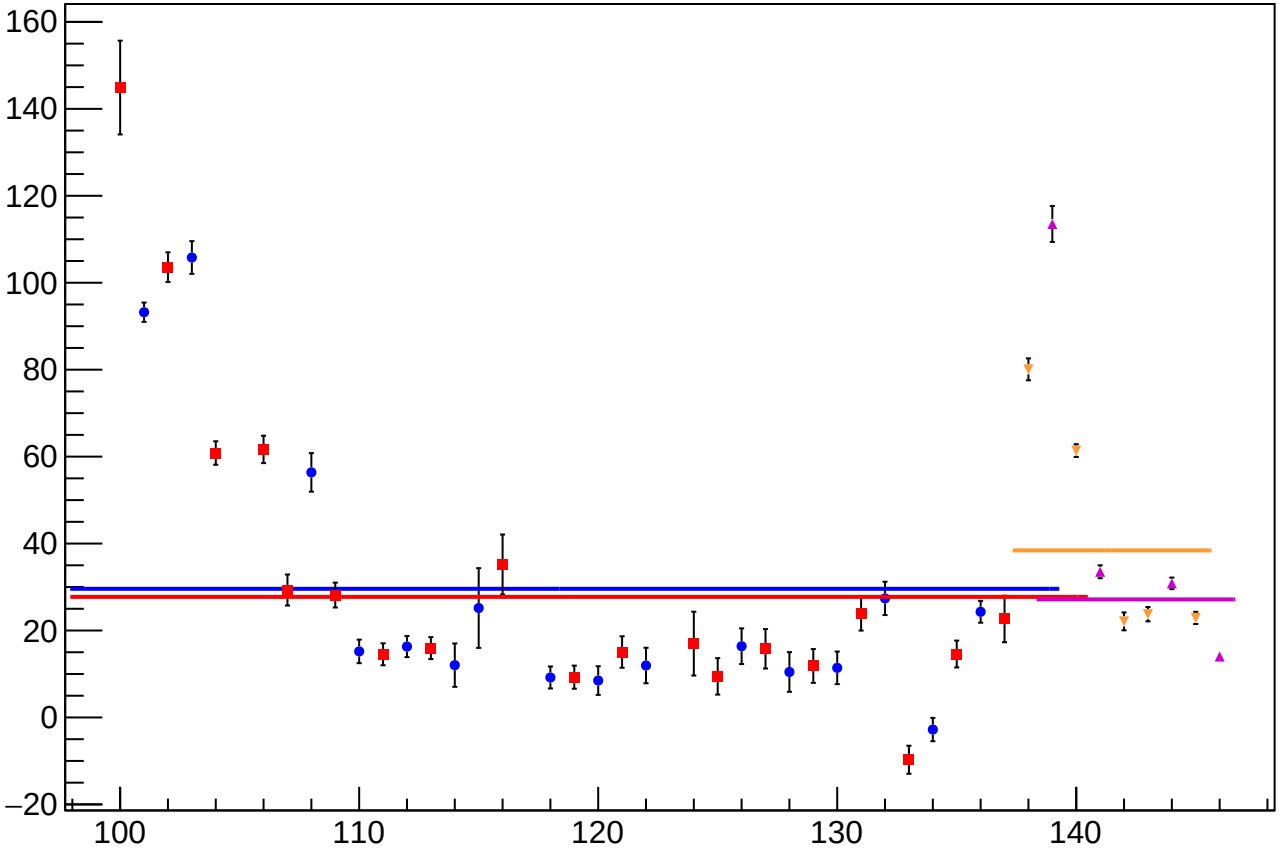
Left In: -49.962+/-0.985 χ^2/NDF:209.7/3

+ sign -42.836+/-0.576 χ^2/NDF: 3196.0/20

All: -37.390+/-0.398 χ^2/NDF: 5026.7/43

- sign -32.426+/-0.550 χ^2/NDF: 1659.9/22

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 38.434+/-0.759 χ^2/NDF:782.4/4

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

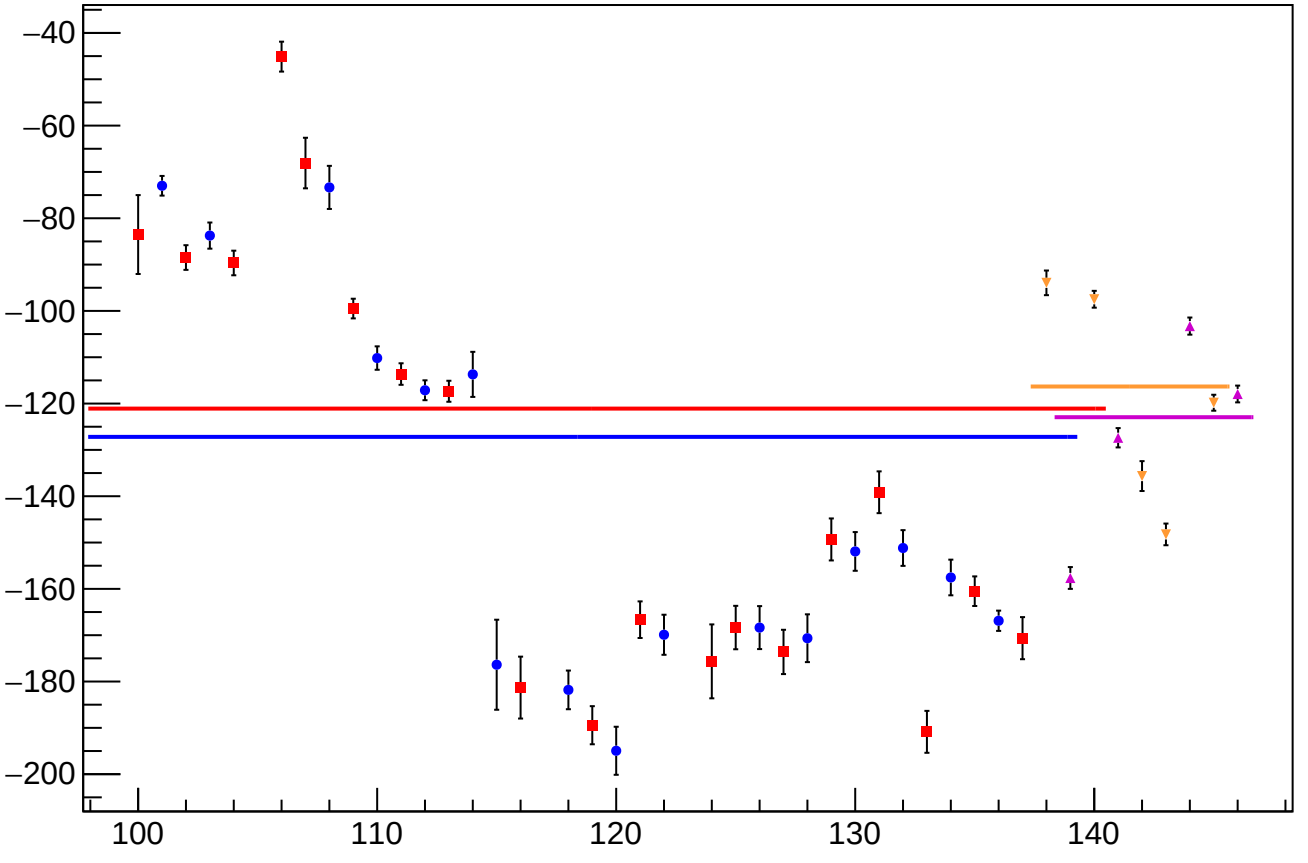
Left In: 27.157+/-0.737 χ^2/NDF:592.1/3

\+ sign 34.288+/-0.553 χ^2/NDF: 2511.8/20

All: 30.782+/-0.387 χ^2/NDF: 4368.0/43

\- sign 27.424+/-0.541 χ^2/NDF: 1777.5/22

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -116.318+/-0.971 χ^2/NDF:404.5/4

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

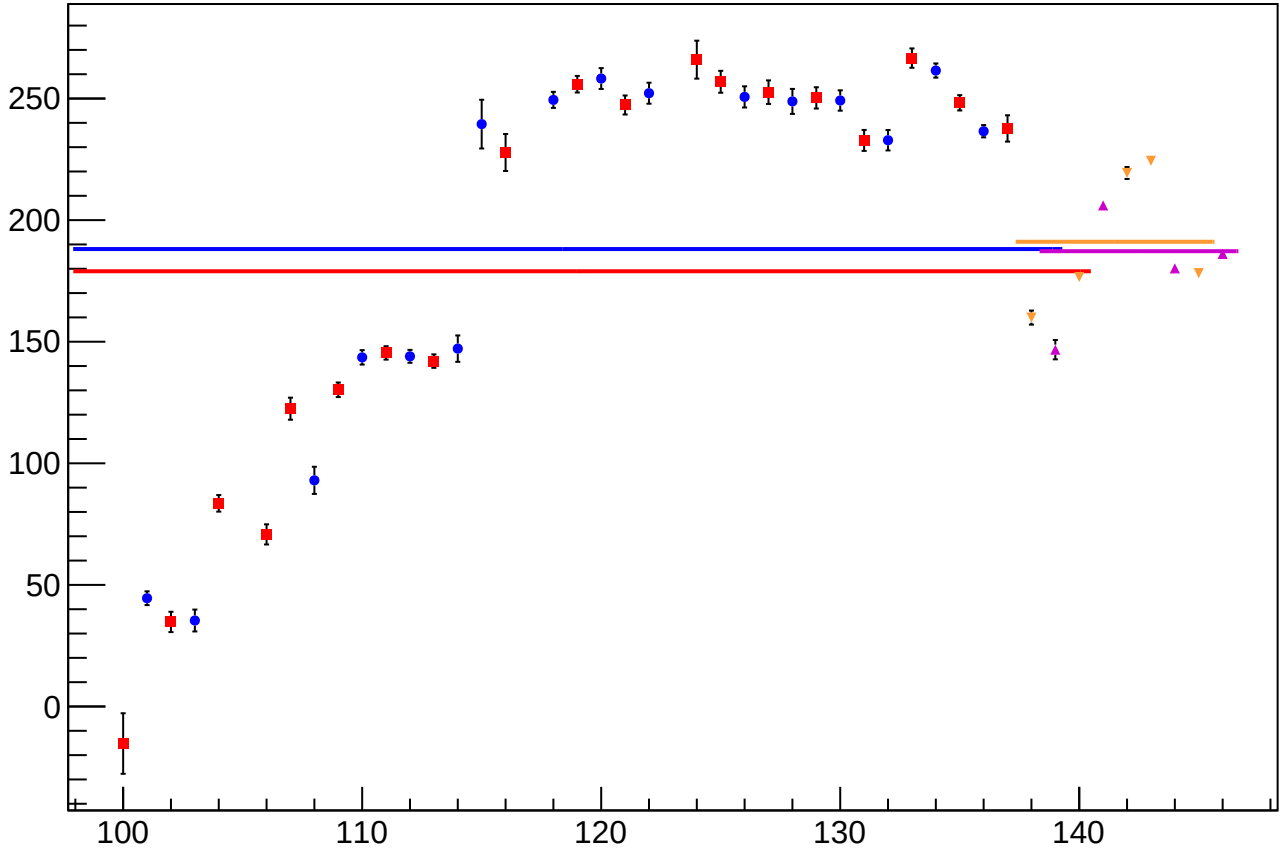
Left In: -122.944+/-0.996 χ^2/NDF:342.7/3

+ sign -122.605+/-0.631 χ^2/NDF: 2655.1/20

All: -122.204+/-0.443 χ^2/NDF: 5398.0/43

- sign -121.812+/-0.623 χ^2/NDF: 2742.1/22

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 191.109+/-0.890 χ^2/NDF:674.6/4

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

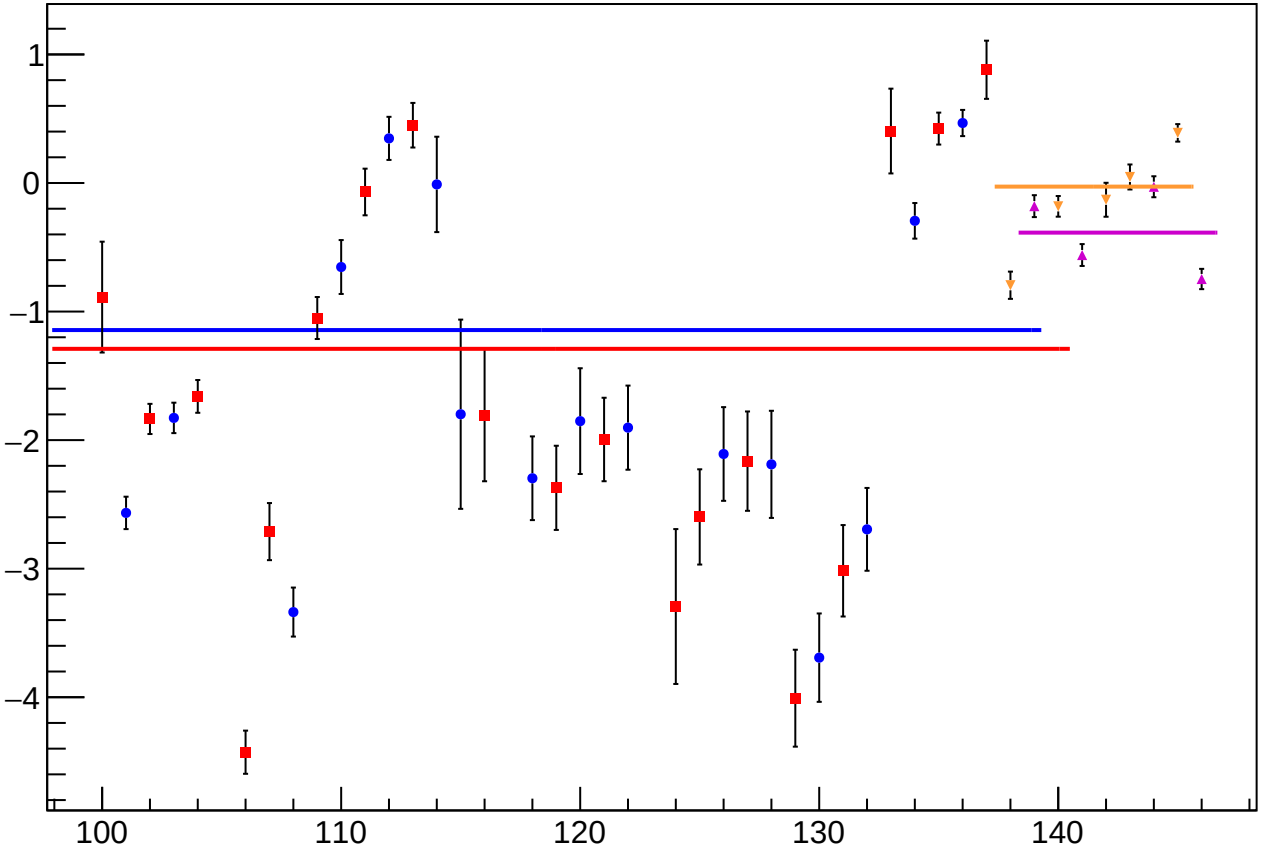
Left In: 187.224+/-0.879 χ^2/NDF:238.8/3

+ sign 189.655+/-0.639 χ^2/NDF: 7798.8/20

All: 186.407+/-0.449 χ^2/NDF: 14800.1/43

- sign 183.233+/-0.631 χ^2/NDF: 6950.2/22

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.028+/-0.040 χ^2/NDF:94.8/4

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

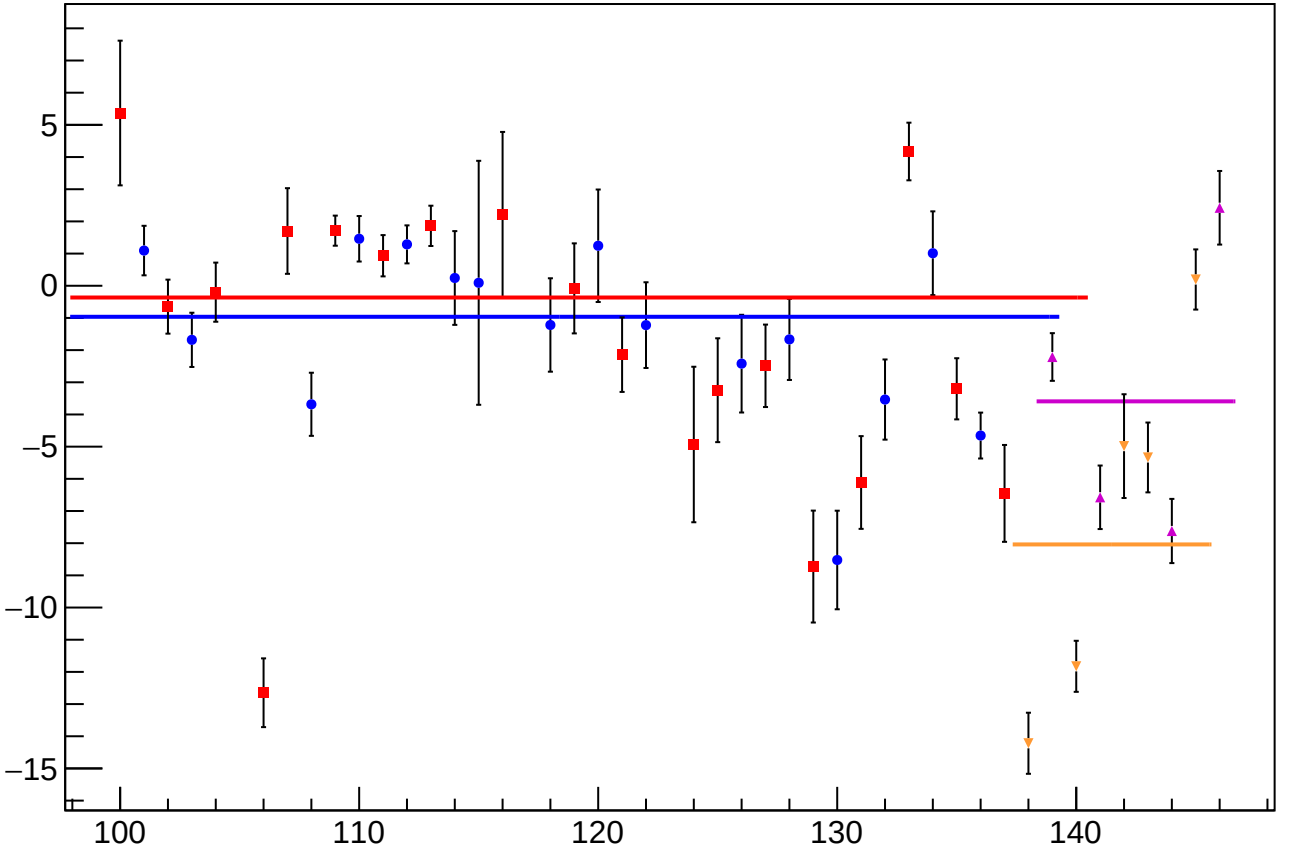
Left In: -0.386+/-0.041 χ^2/NDF:50.1/3

+ sign -0.486+/-0.031 χ^2/NDF: 1200.4/20

All: -0.629+/-0.022 χ^2/NDF: 2498.8/43

- sign -0.776+/-0.031 χ^2/NDF: 1254.8/22

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -8.039+/-0.444 χ^2/NDF:152.5/4

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

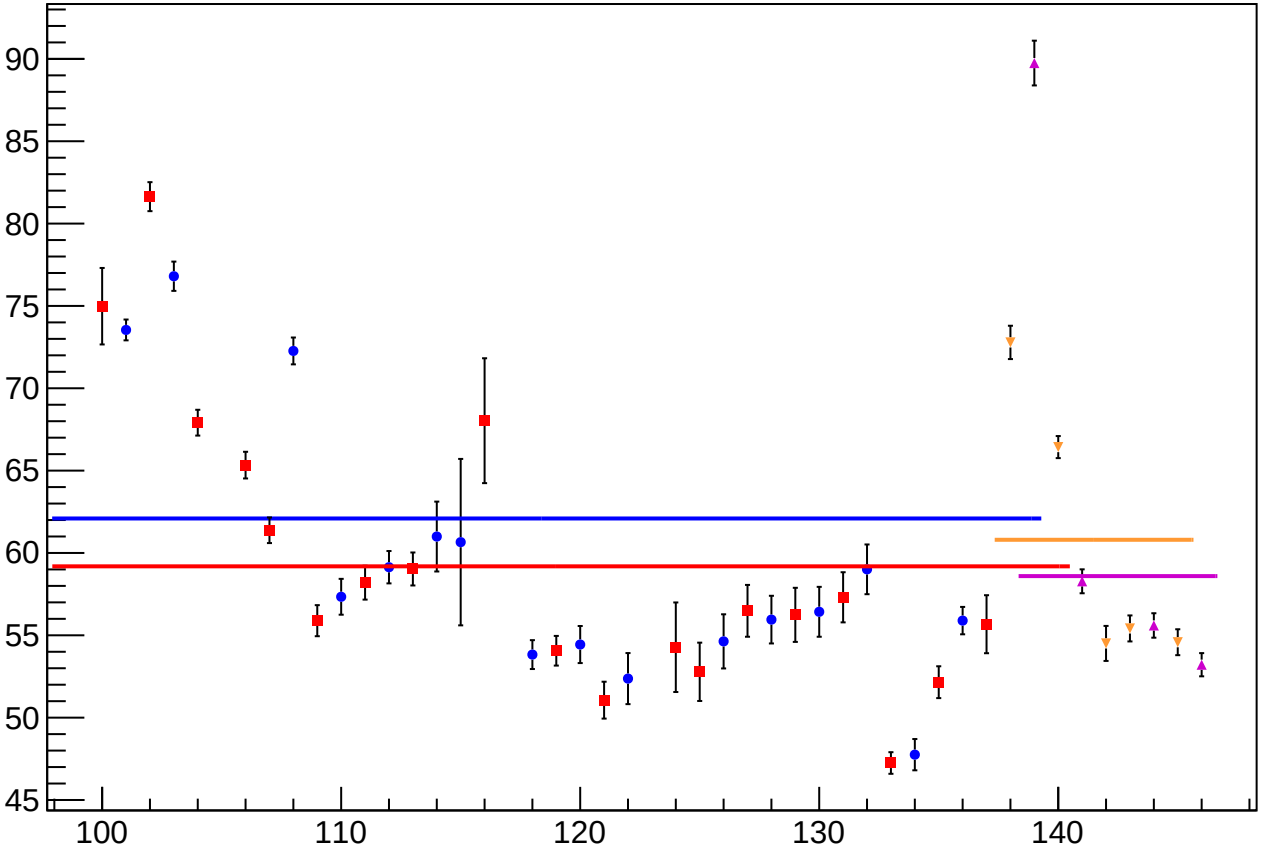
Left In: -3.592+/-0.465 χ^2/NDF:56.6/3

+ sign -2.701+/-0.220 χ^2/NDF: 447.4/20

All: -1.761+/-0.149 χ^2/NDF: 857.2/43

- sign -0.971+/-0.202 χ^2/NDF: 376.2/22

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 60.800+/-0.370 χ^2/NDF:355.0/4

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

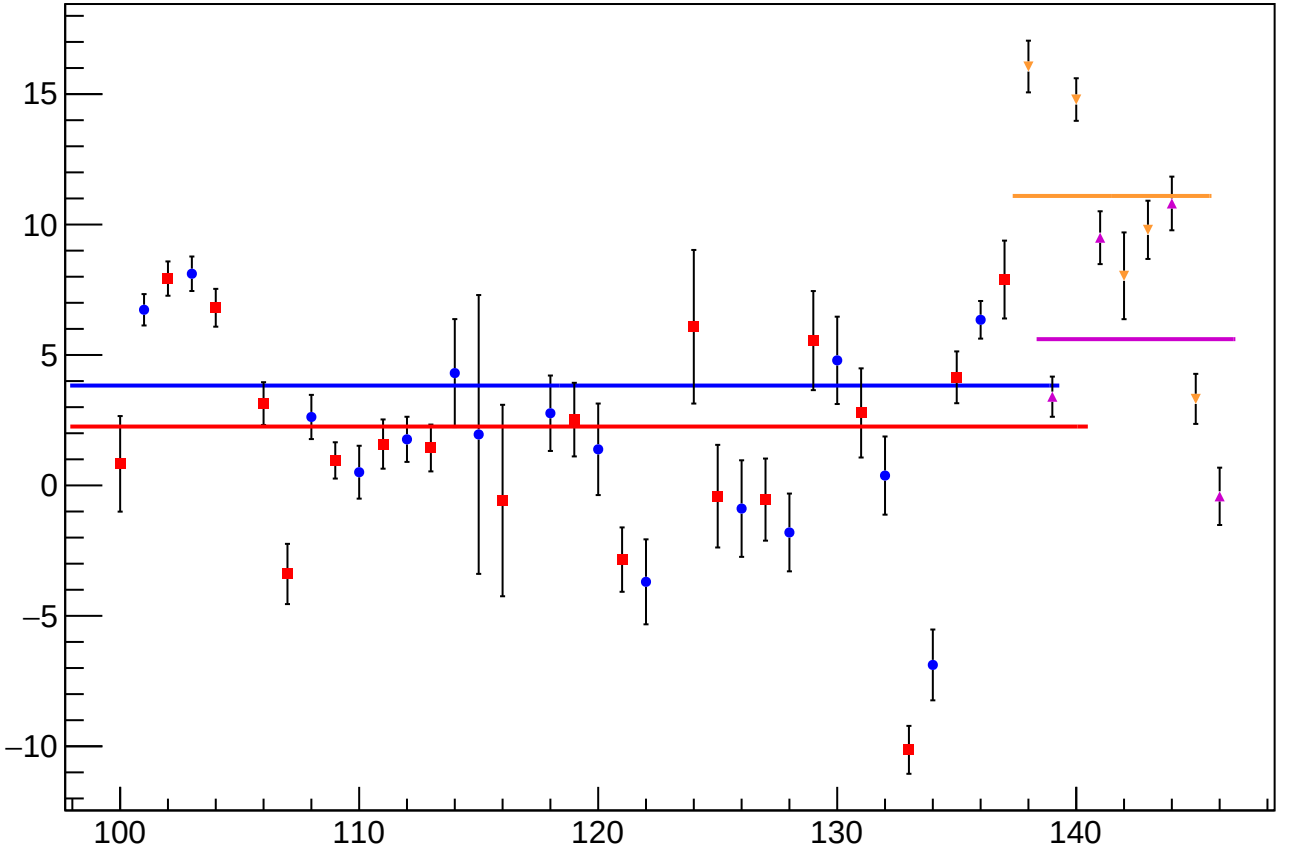
Left In: 58.595+/-0.400 χ^2/NDF:600.3/3

+ sign 61.654+/-0.216 χ^2/NDF: 1664.3/20

All: 60.294+/-0.150 χ^2/NDF: 3745.2/43

- sign 59.027+/-0.208 χ^2/NDF: 2004.0/22

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.096+/-0.458 χ^2/NDF:116.1/4

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

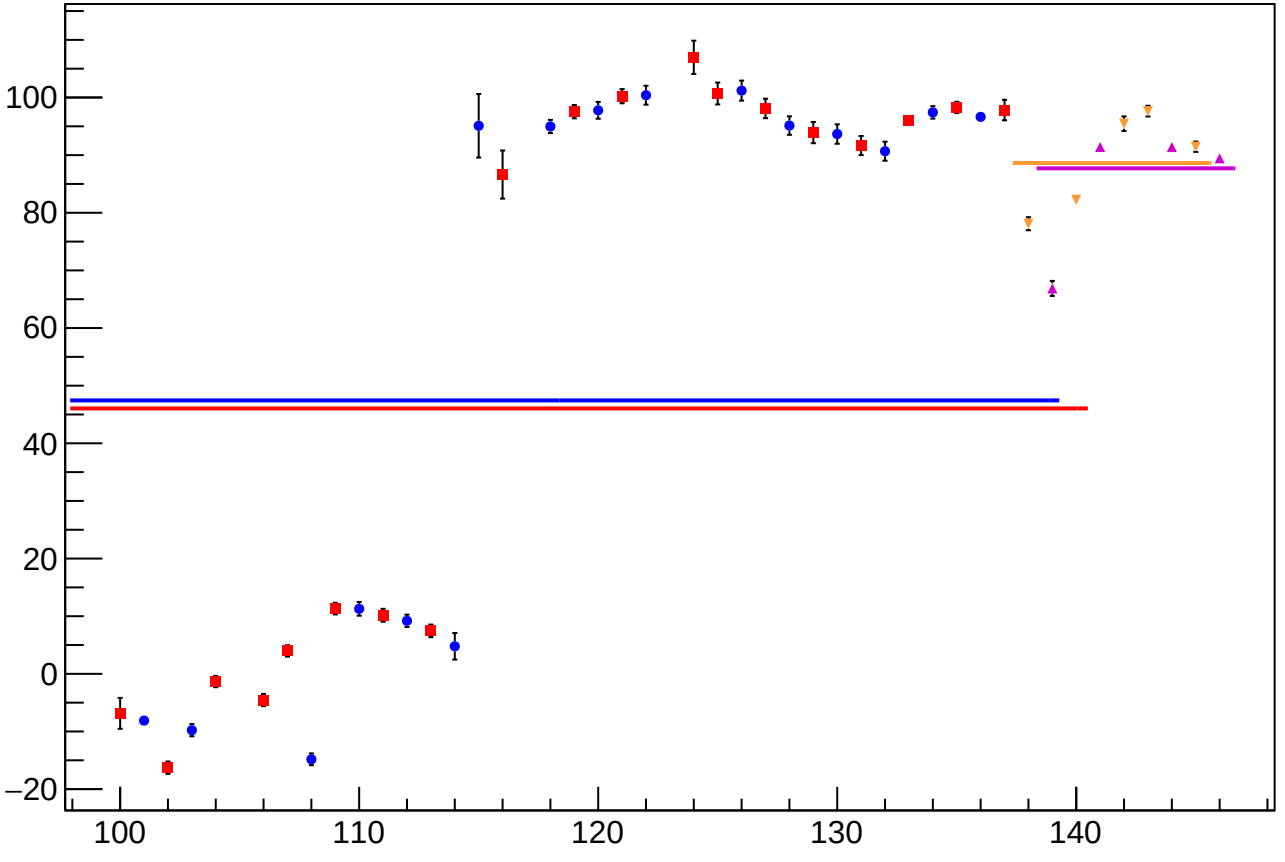
Left In: 5.607+/-0.475 χ^2/NDF:78.6/3

+ sign 5.655+/-0.230 χ^2/NDF: 513.4/20

All: 4.247+/-0.158 χ^2/NDF: 1074.9/43

- sign 2.968+/-0.219 χ^2/NDF: 489.7/22

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 88.638+/-0.432 χ^2/NDF:282.2/4

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

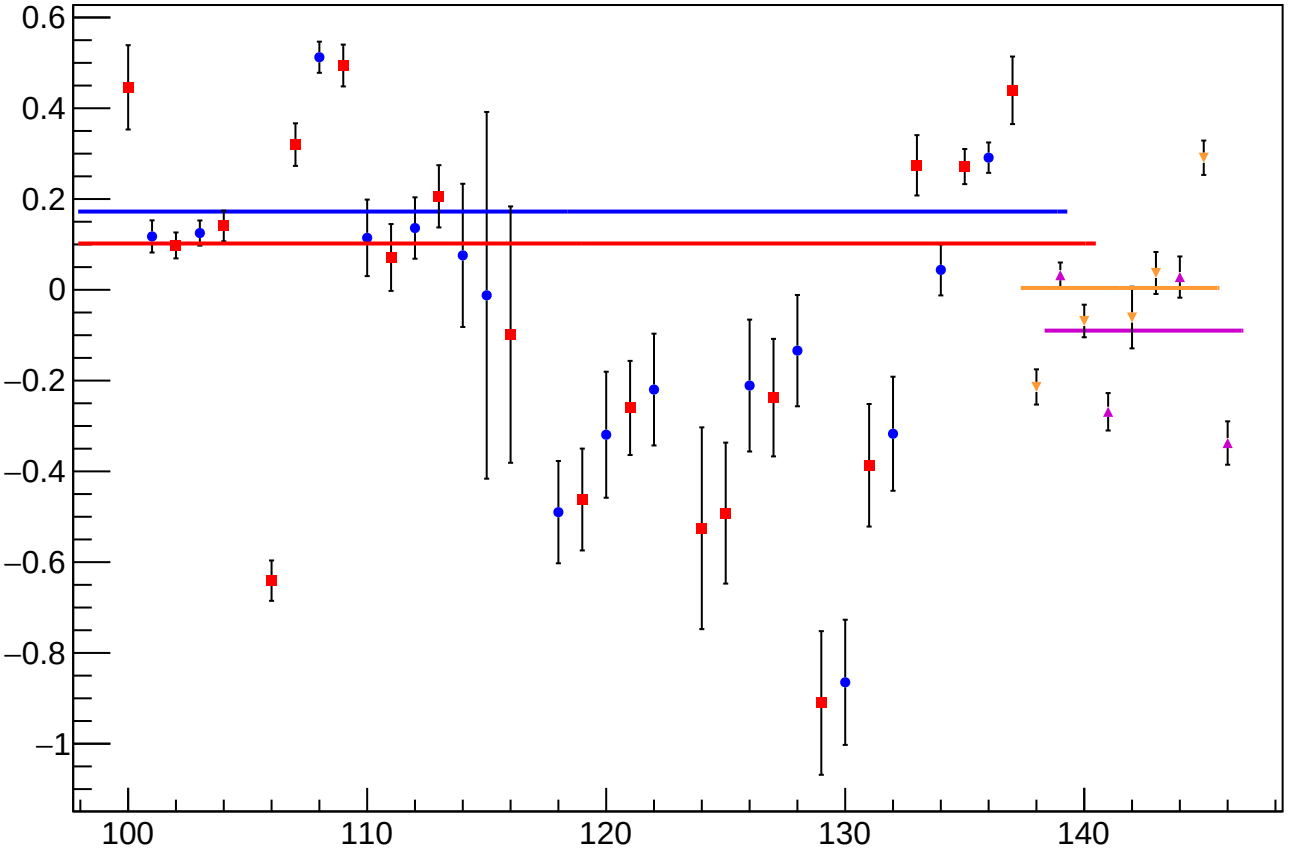
Left In: 87.712+/-0.466 χ^2/NDF:295.5/3

+ sign 61.331+/-0.251 χ^2/NDF: 33197.7/20

All: 59.277+/-0.174 χ^2/NDF: 68339.3/43

- sign 57.352+/-0.243 χ^2/NDF: 35011.7/22

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:94.5/4

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

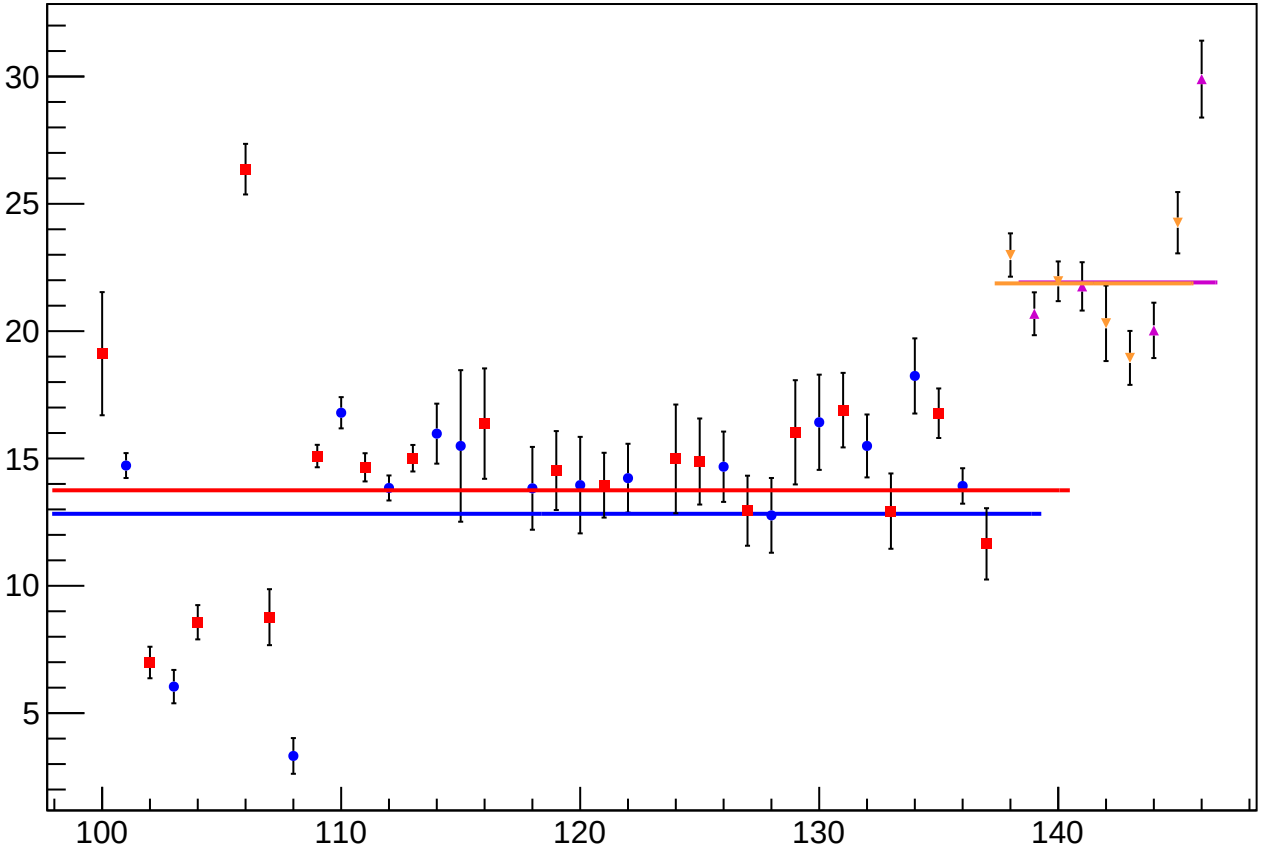
Left In: -0.090+/-0.019 χ^2/NDF:71.5/3

+ sign 0.112+/-0.011 χ^2/NDF: 410.6/20

All: 0.074+/-0.008 χ^2/NDF: 1131.1/43

- sign 0.038+/-0.011 χ^2/NDF: 698.5/22

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.875+/-0.444 χ^2/NDF:14.4/4

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

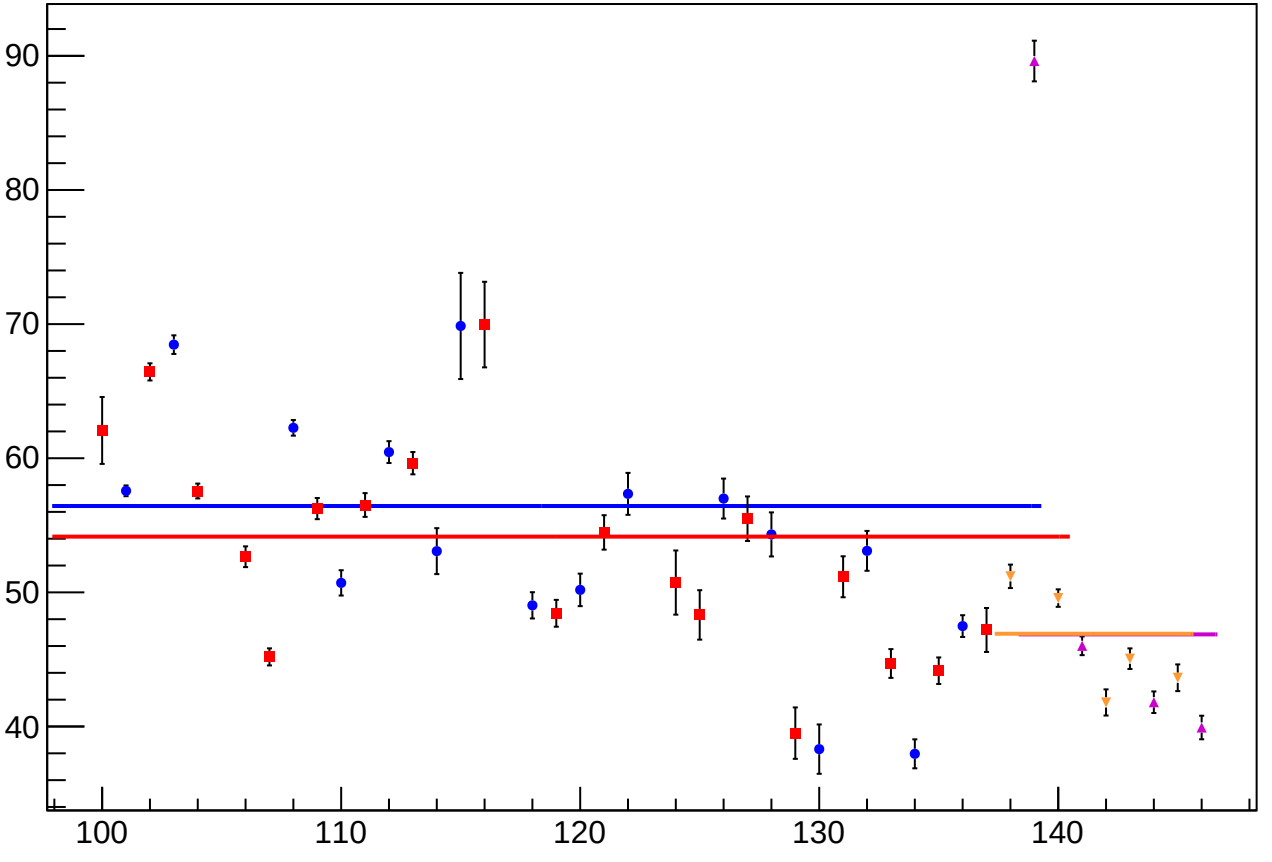
Left In: 21.914+/-0.513 χ^2/NDF:33.1/3

+ sign 14.531+/-0.193 χ^2/NDF: 738.8/20

All: 14.702+/-0.135 χ^2/NDF: 1396.4/43

- sign 14.867+/-0.190 χ^2/NDF: 656.0/22

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.914+/-0.367 χ^2/NDF:84.8/4

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

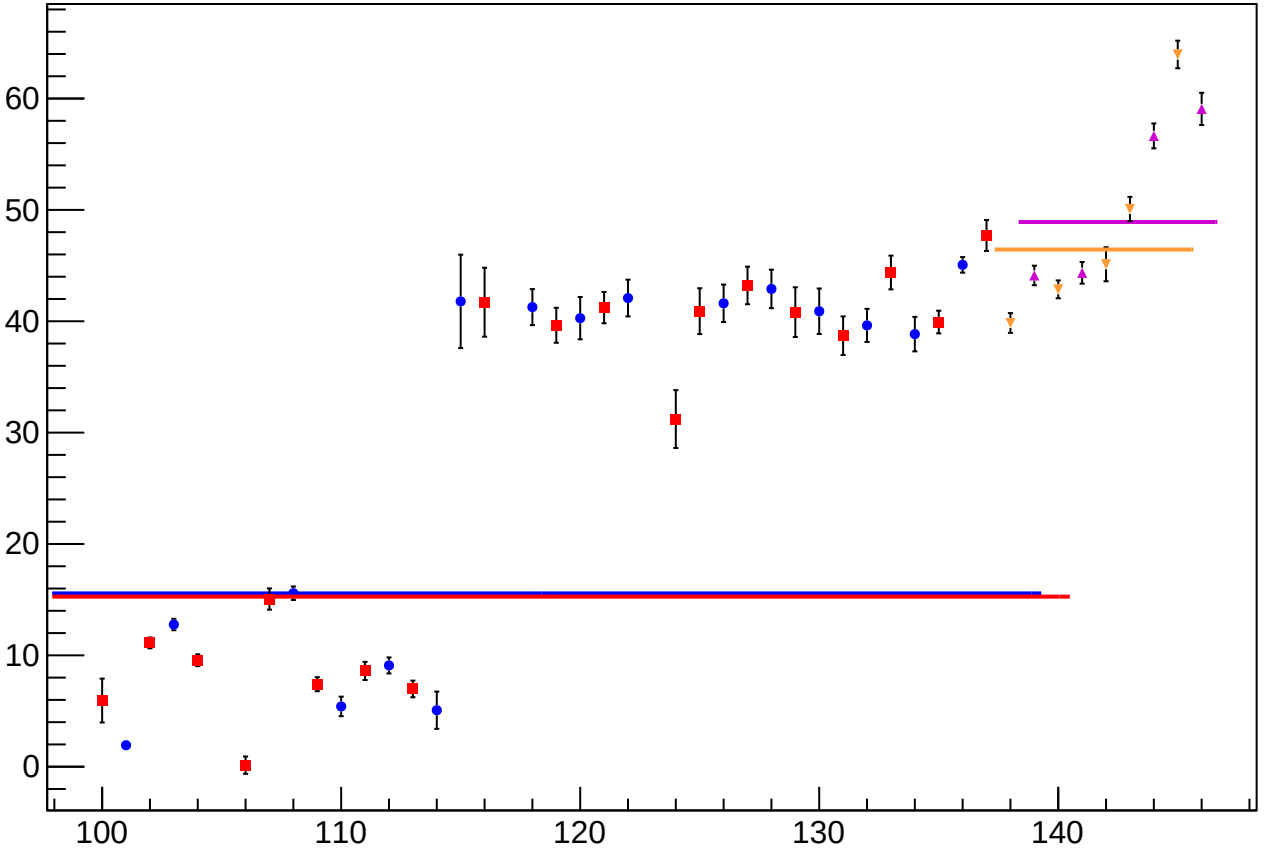
Left In: 46.867+/-0.433 χ^2/NDF:897.5/3

+ sign 53.893+/-0.190 χ^2/NDF: 1665.6/20

All: 53.282+/-0.137 χ^2/NDF: 3814.9/43

- sign 52.610+/-0.199 χ^2/NDF: 2127.6/22

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 46.441+/-0.459 χ^2/NDF:287.0/4

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

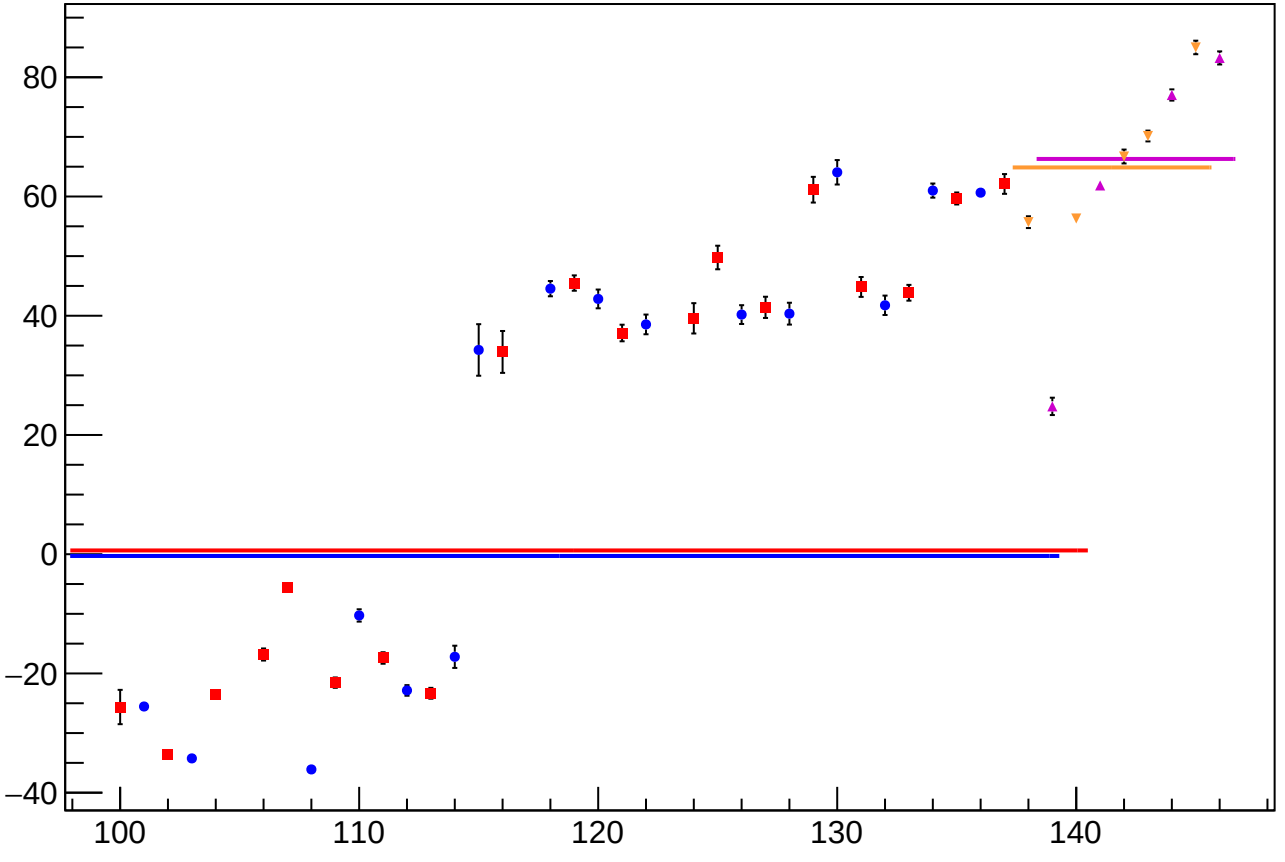
Left In: 48.913+/-0.525 χ^2/NDF:149.0/3

+ sign 21.074+/-0.194 χ^2/NDF: 9180.6/20

All: 20.687+/-0.140 χ^2/NDF: 16710.0/43

- sign 20.267+/-0.202 χ^2/NDF: 7521.2/22

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.875+/-0.431 χ^2/NDF:555.6/4

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

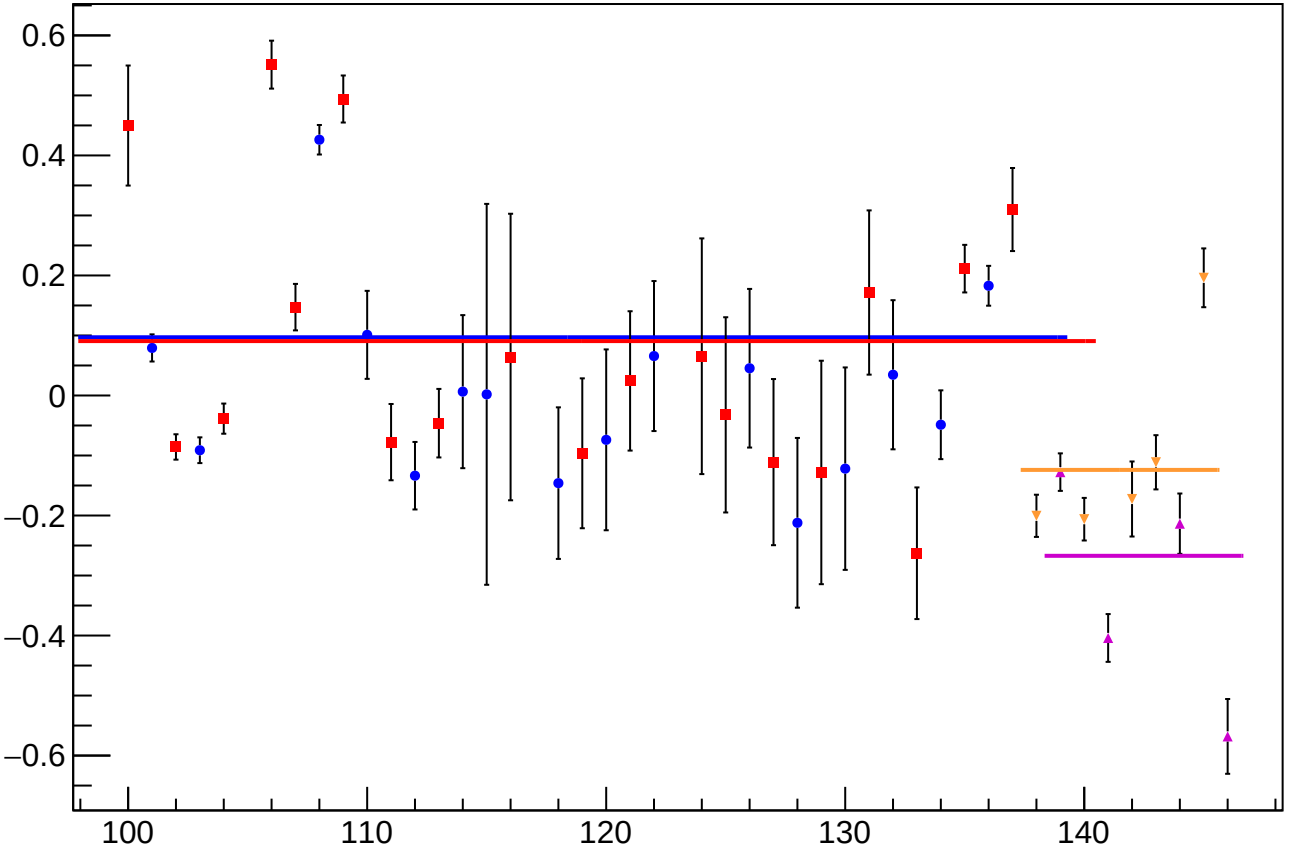
Left In: 66.300+/-0.507 χ^2/NDF:1209.7/3

+ sign 17.217+/-0.224 χ^2/NDF: 38289.8/20

All: 15.966+/-0.162 χ^2/NDF: 68789.4/43

- sign 14.597+/-0.234 χ^2/NDF: 30434.1/22

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.124+/-0.019 χ^2/NDF:53.4/4

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

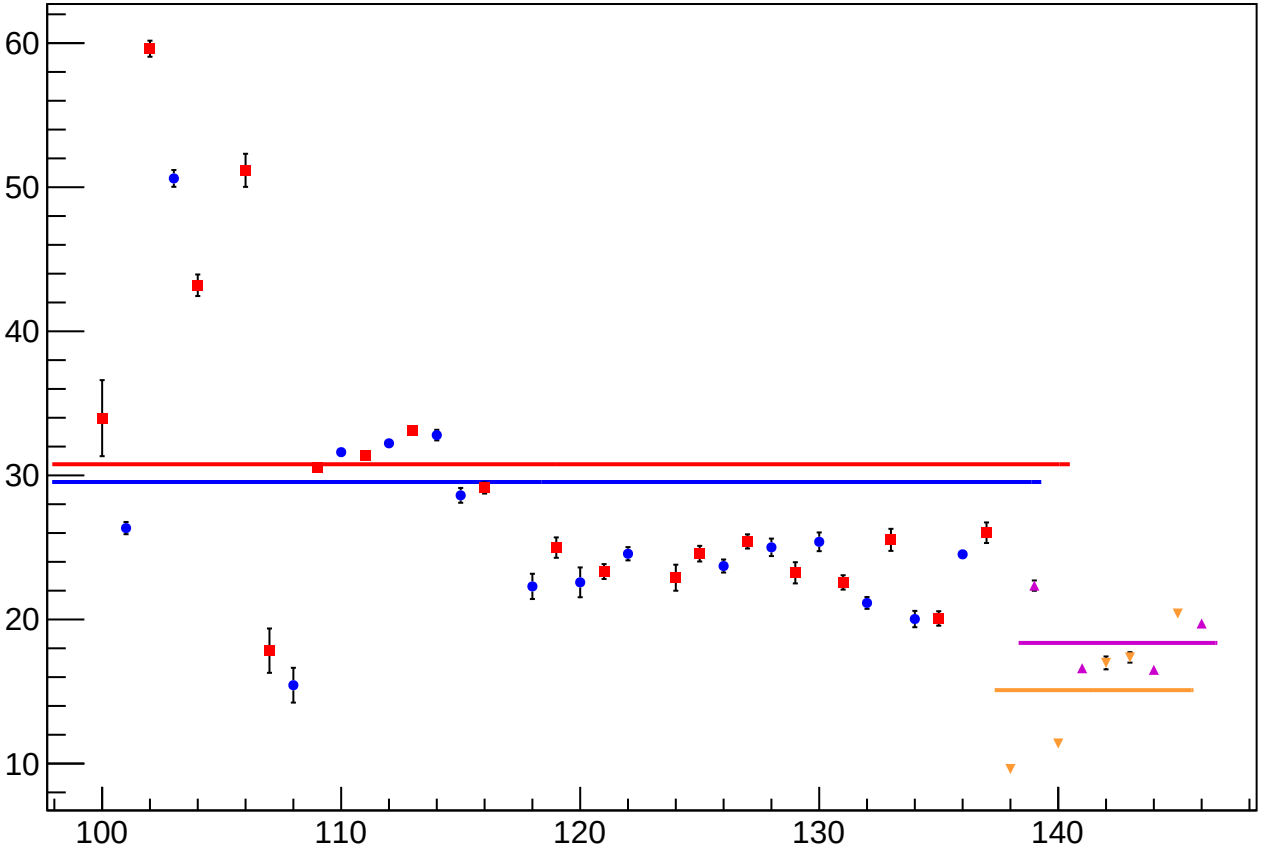
Left In: -0.267+/-0.021 χ^2/NDF:56.2/3

+ sign 0.040+/-0.010 χ^2/NDF: 452.7/20

All: 0.025+/-0.007 χ^2/NDF: 1140.9/43

- sign 0.008+/-0.010 χ^2/NDF: 682.9/22

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.096+/-0.144 χ^2/NDF:895.1/4

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

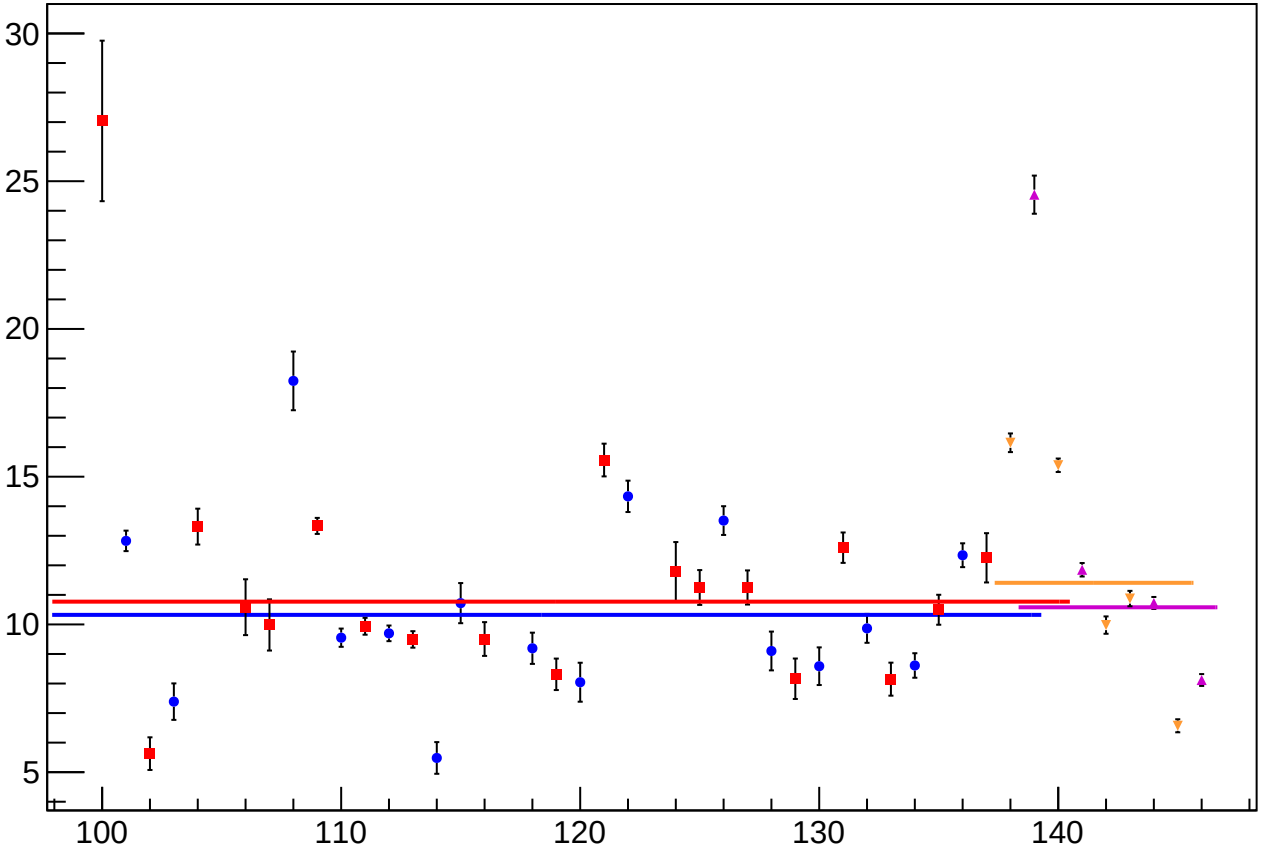
Left In: 18.374+/-0.159 χ^2/NDF:216.0/3

+ sign 25.347+/-0.077 χ^2/NDF: 11432.8/20

All: 26.922+/-0.053 χ^2/NDF: 22331.9/43

- sign 28.267+/-0.072 χ^2/NDF: 10132.7/22

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.408+/-0.115 χ^2/NDF:1037.9/4

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

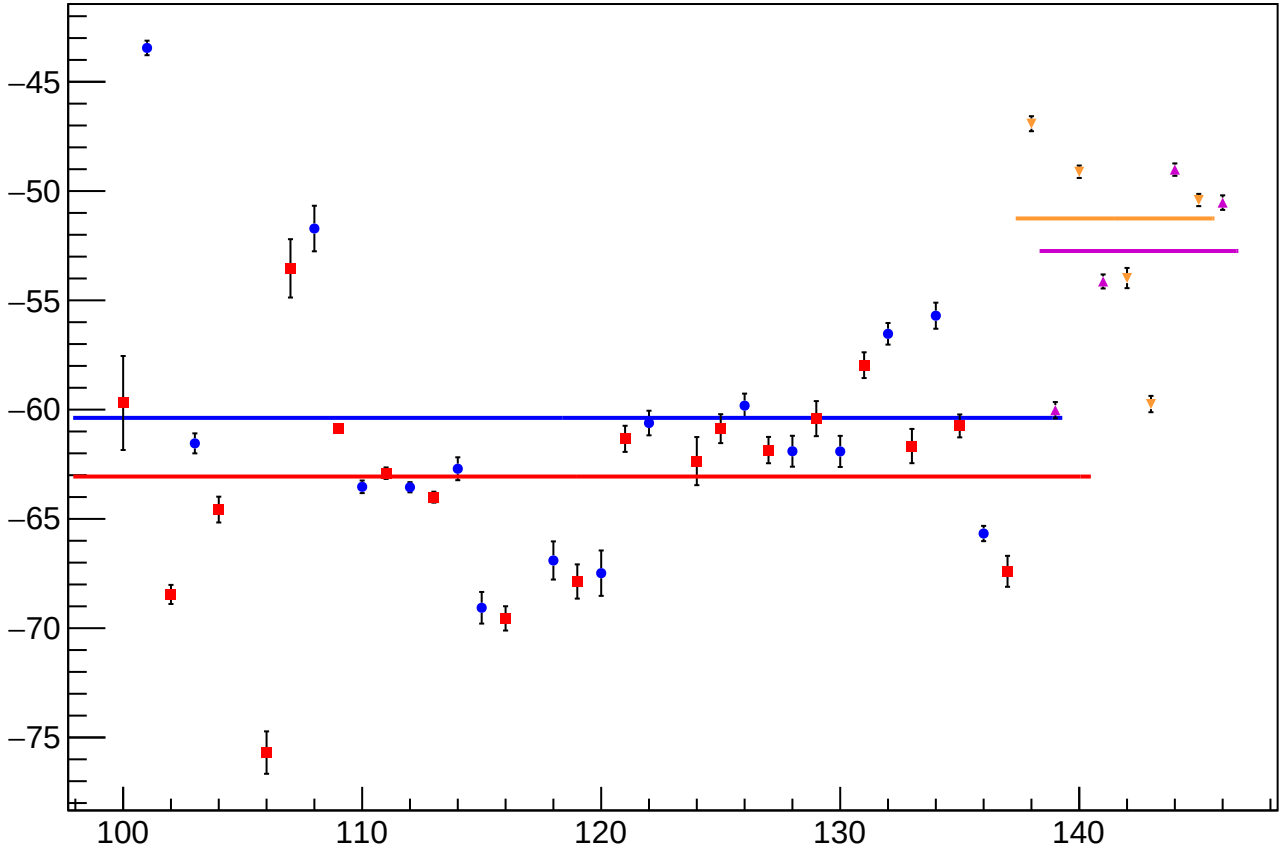
Left In: 10.580+/-0.119 χ^2/NDF:650.6/3

+ sign 10.863+/-0.081 χ^2/NDF: 1485.5/20

All: 10.773+/-0.058 χ^2/NDF: 2555.8/43

- sign 10.681+/-0.082 χ^2/NDF: 1067.7/22

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -51.254+/-0.148 χ^2/NDF:777.1/4

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

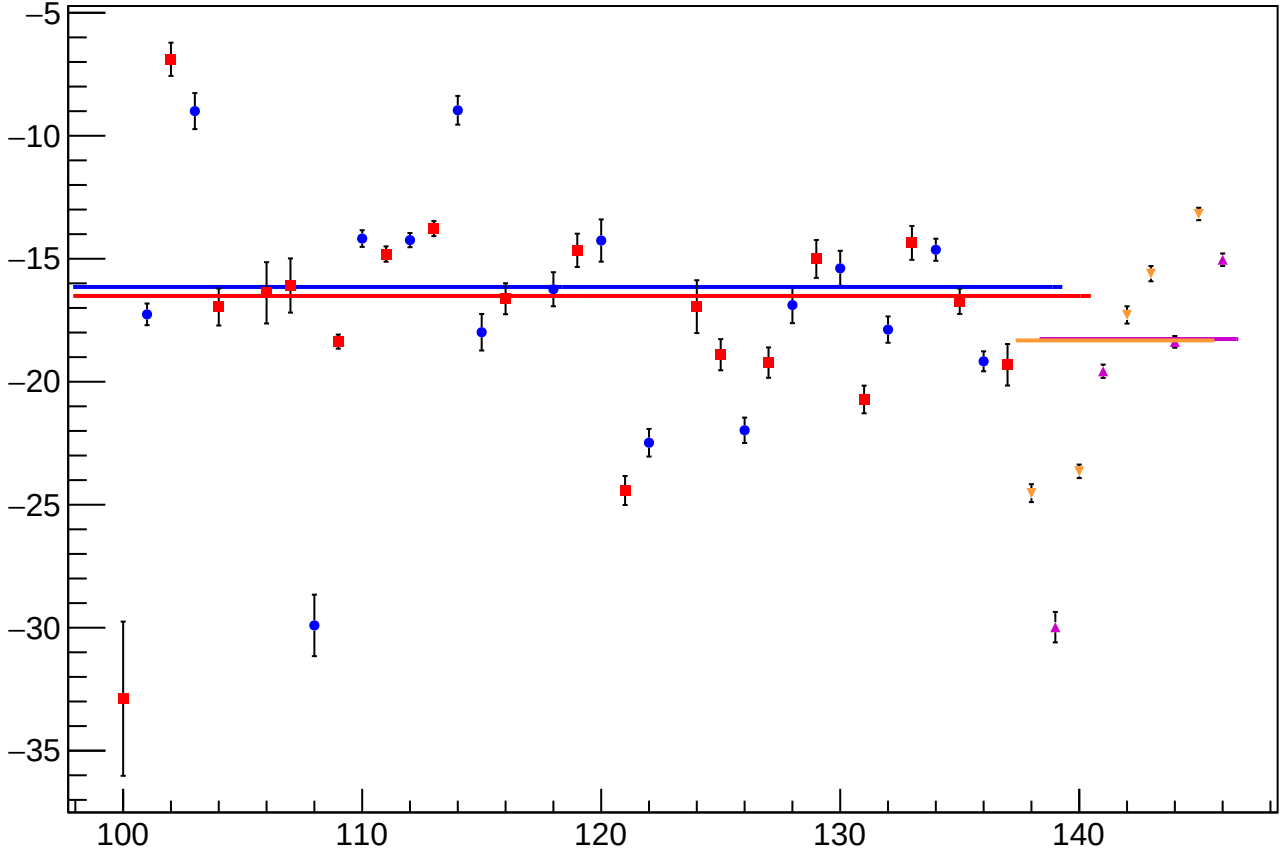
Left In: -52.743+/-0.162 χ^2/NDF:617.2/3

+ sign -57.030+/-0.090 χ^2/NDF: 6766.2/20

All: -58.478+/-0.063 χ^2/NDF: 11570.8/43

- sign -59.909+/-0.089 χ^2/NDF: 4289.0/22

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.321+/-0.135 χ^2/NDF:1164.3/4

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

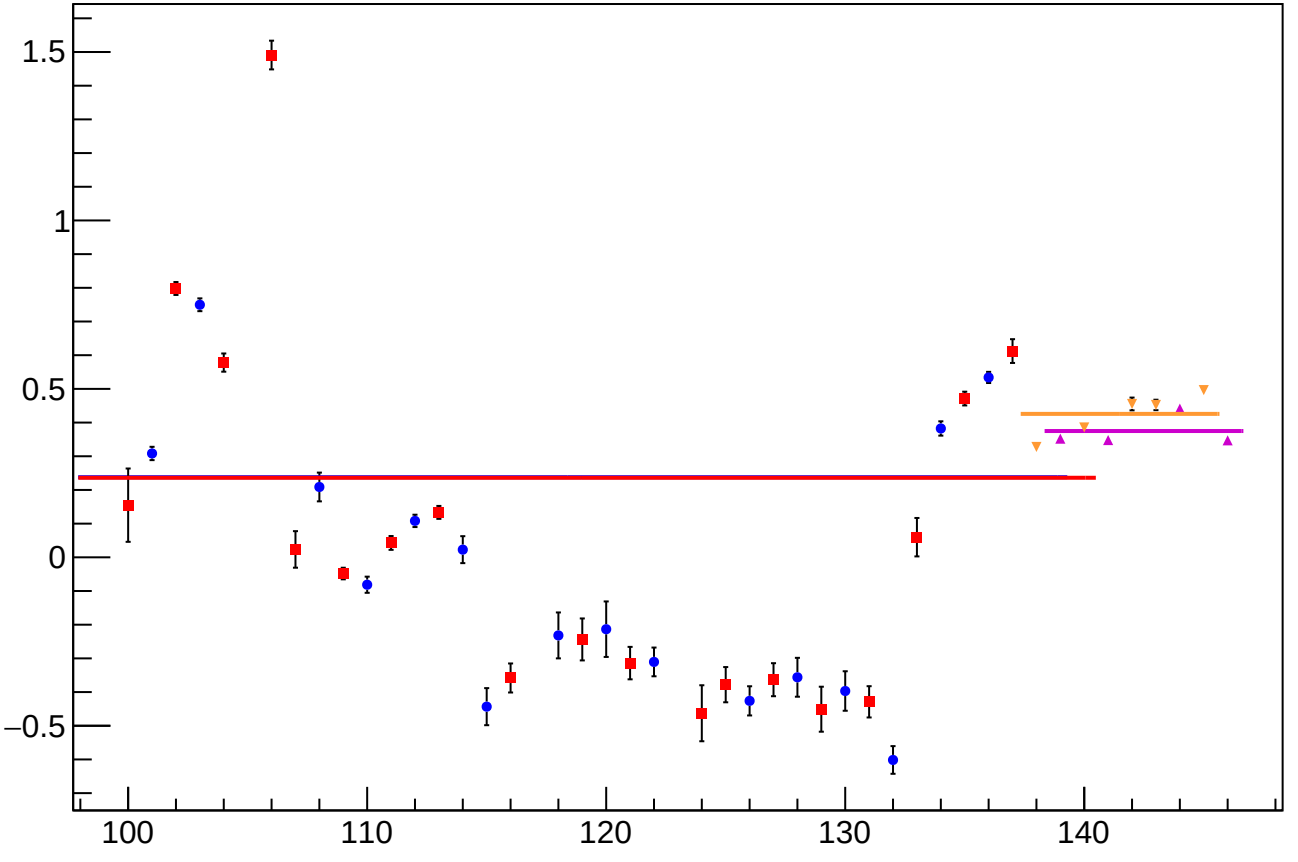
Left In: -18.263+/-0.142 χ^2/NDF:543.6/3

\+ sign -17.170+/-0.093 χ^2/NDF: 2098.9/20

All: -17.220+/-0.066 χ^2/NDF: 3413.4/43

\- sign -17.271+/-0.094 χ^2/NDF: 1313.9/22

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.426+/-0.006 χ^2/NDF:105.6/4

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

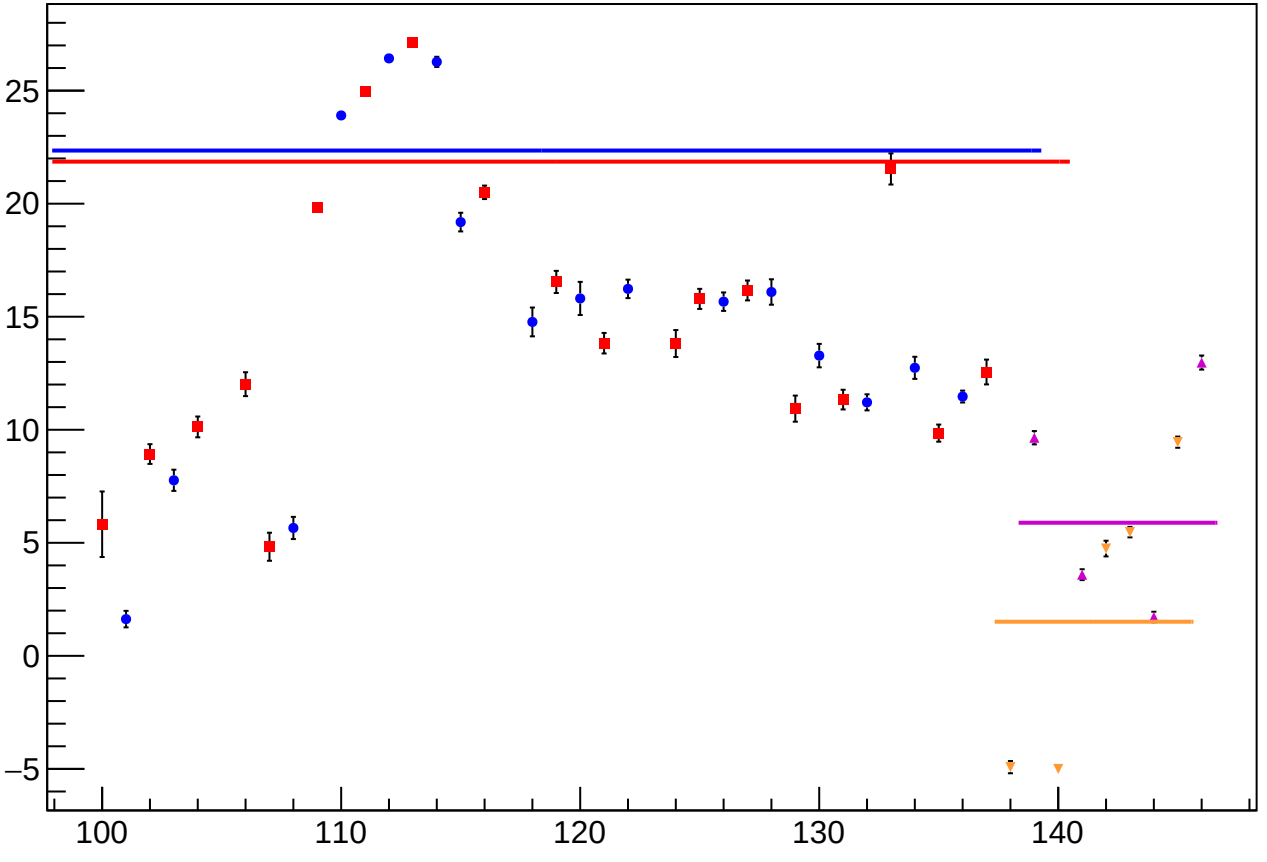
Left In: 0.375+/-0.007 χ^2/NDF:38.3/3

+ sign 0.345+/-0.005 χ^2/NDF: 3141.5/20

All: 0.328+/-0.003 χ^2/NDF: 7004.9/43

- sign 0.310+/-0.005 χ^2/NDF: 3836.5/22

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 1.509+/-0.113 χ^2/NDF:2896.1/4

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

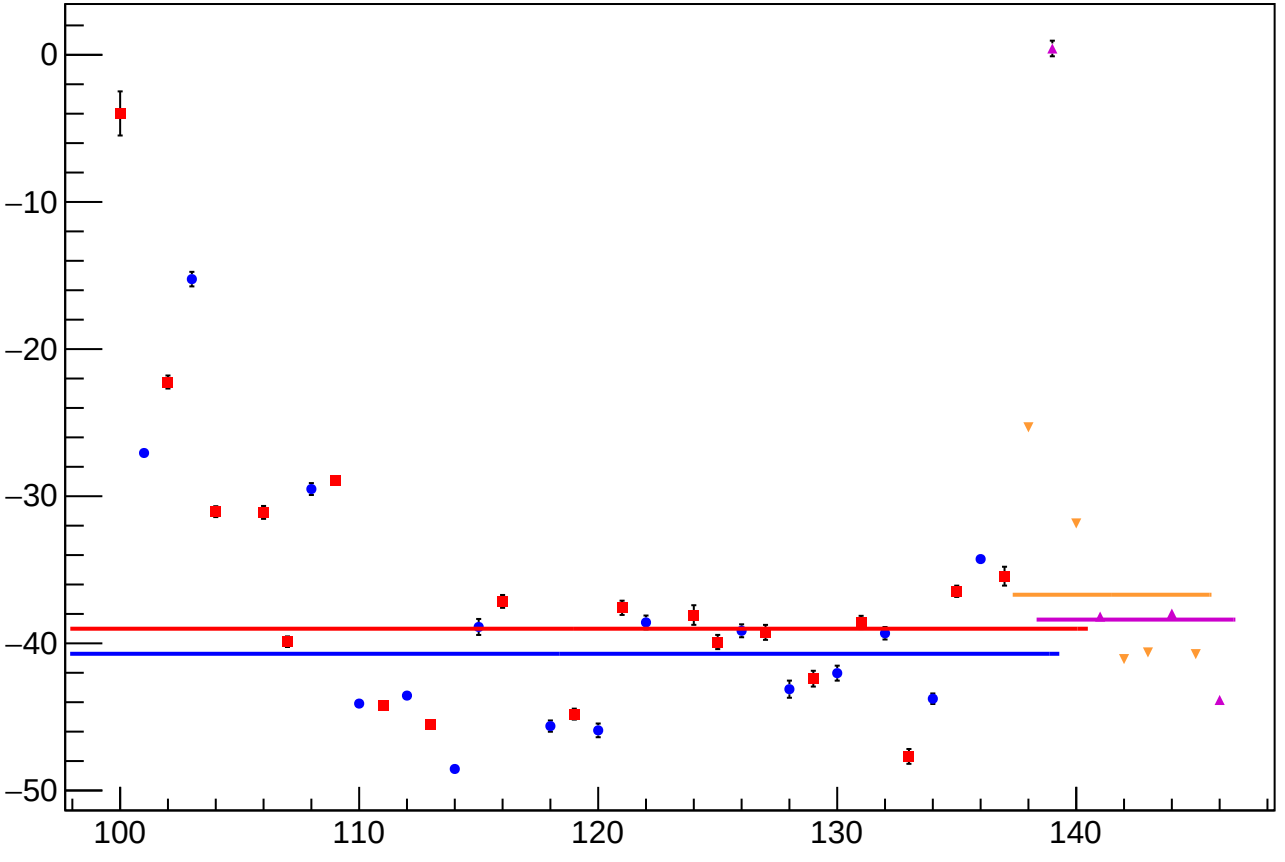
Left In: 5.888+/-0.132 χ^2/NDF:1091.6/3

+ sign 18.163+/-0.051 χ^2/NDF: 42514.9/20

All: 19.277+/-0.033 χ^2/NDF: 68202.3/43

- sign 20.108+/-0.044 χ^2/NDF: 24840.1/22

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -36.695+/-0.089 χ^2/NDF:3947.7/4

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

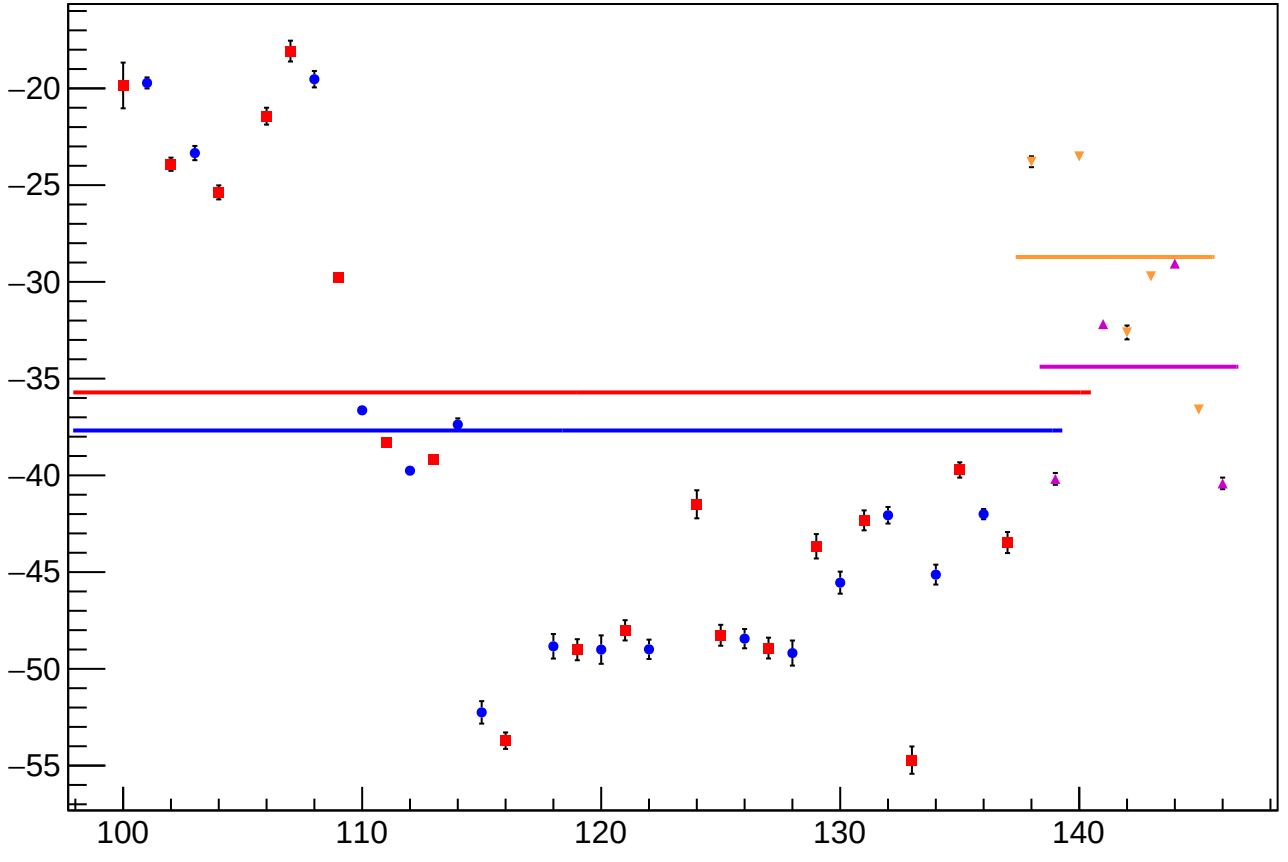
Left In: -38.385+/-0.101 χ^2/NDF:6217.5/3

+ sign -39.010+/-0.058 χ^2/NDF: 12893.7/20

All: -38.904+/-0.041 χ^2/NDF: 29244.5/43

- sign -38.799+/-0.058 χ^2/NDF: 16344.2/22

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -28.713+/-0.116 χ^2/NDF:1951.4/4

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

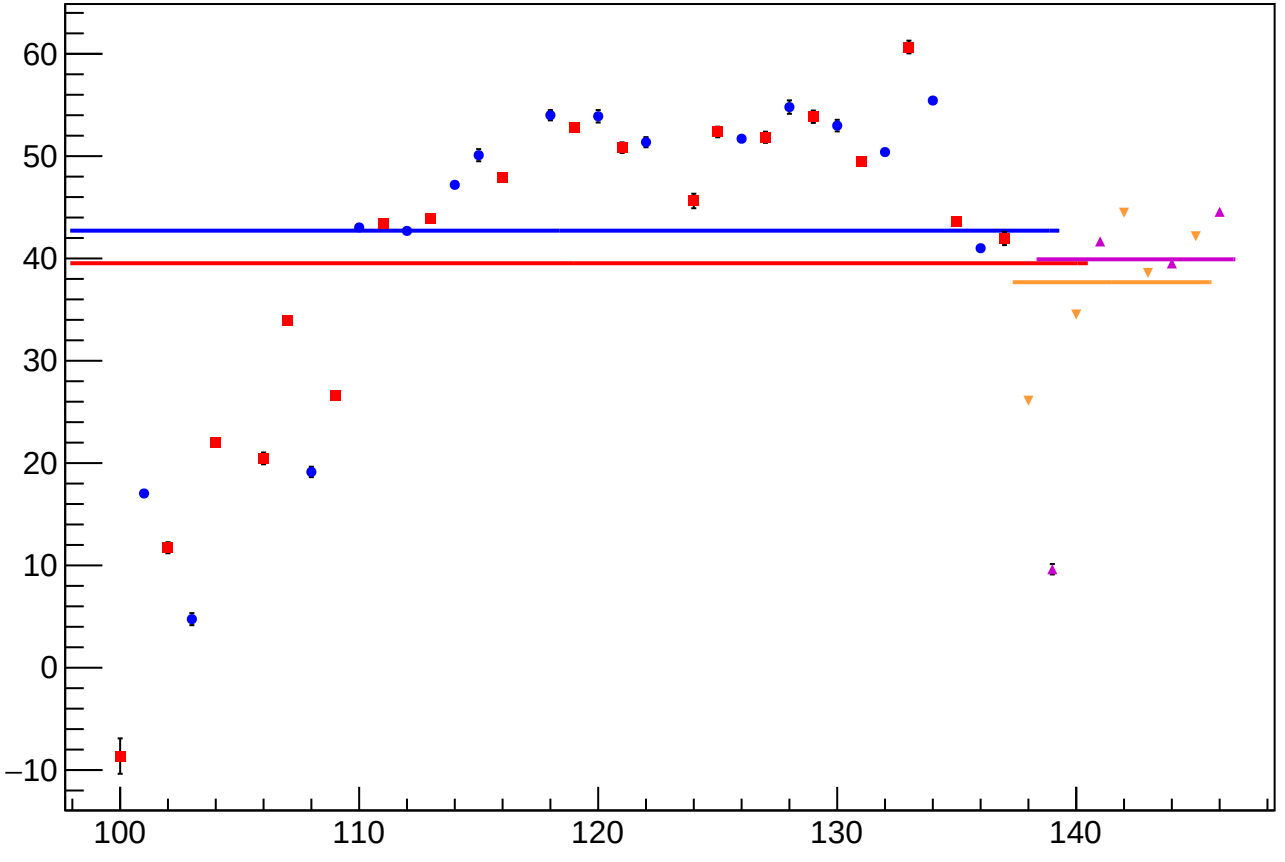
Left In: -34.385+/-0.134 χ^2/NDF:1334.4/3

+ sign -35.111+/-0.062 χ^2/NDF: 17042.9/20

All: -35.301+/-0.042 χ^2/NDF: 31748.8/43

- sign -35.465+/-0.058 χ^2/NDF: 14688.6/22

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 37.678+/-0.105 χ^2/NDF:2713.5/4

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

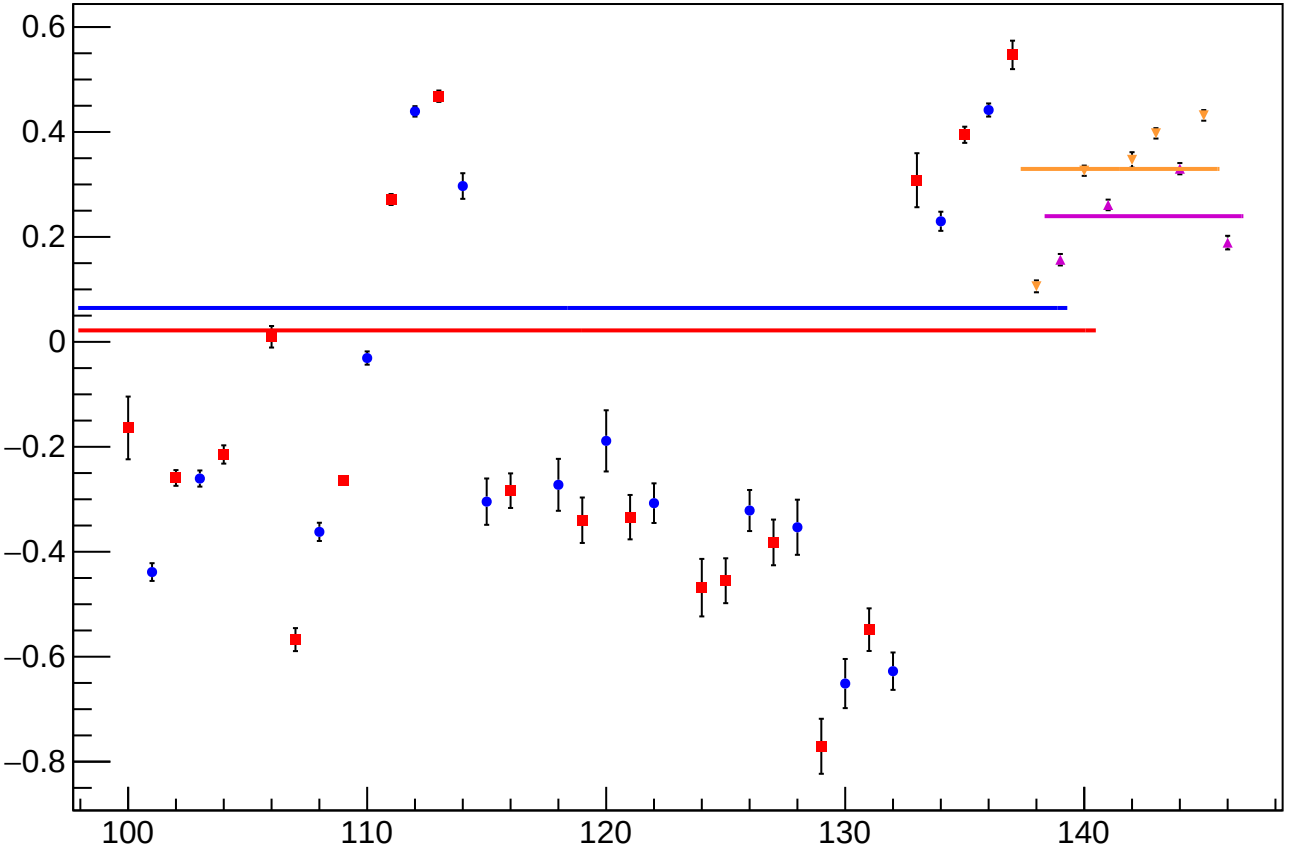
Left In: 39.916+/-0.120 χ^2/NDF:4017.4/3

+ sign 40.725+/-0.066 χ^2/NDF: 18867.0/20

All: 40.180+/-0.047 χ^2/NDF: 41003.8/43

- sign 39.648+/-0.065 χ^2/NDF: 22002.8/22

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.330+/-0.005 χ^2/NDF:537.4/4

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

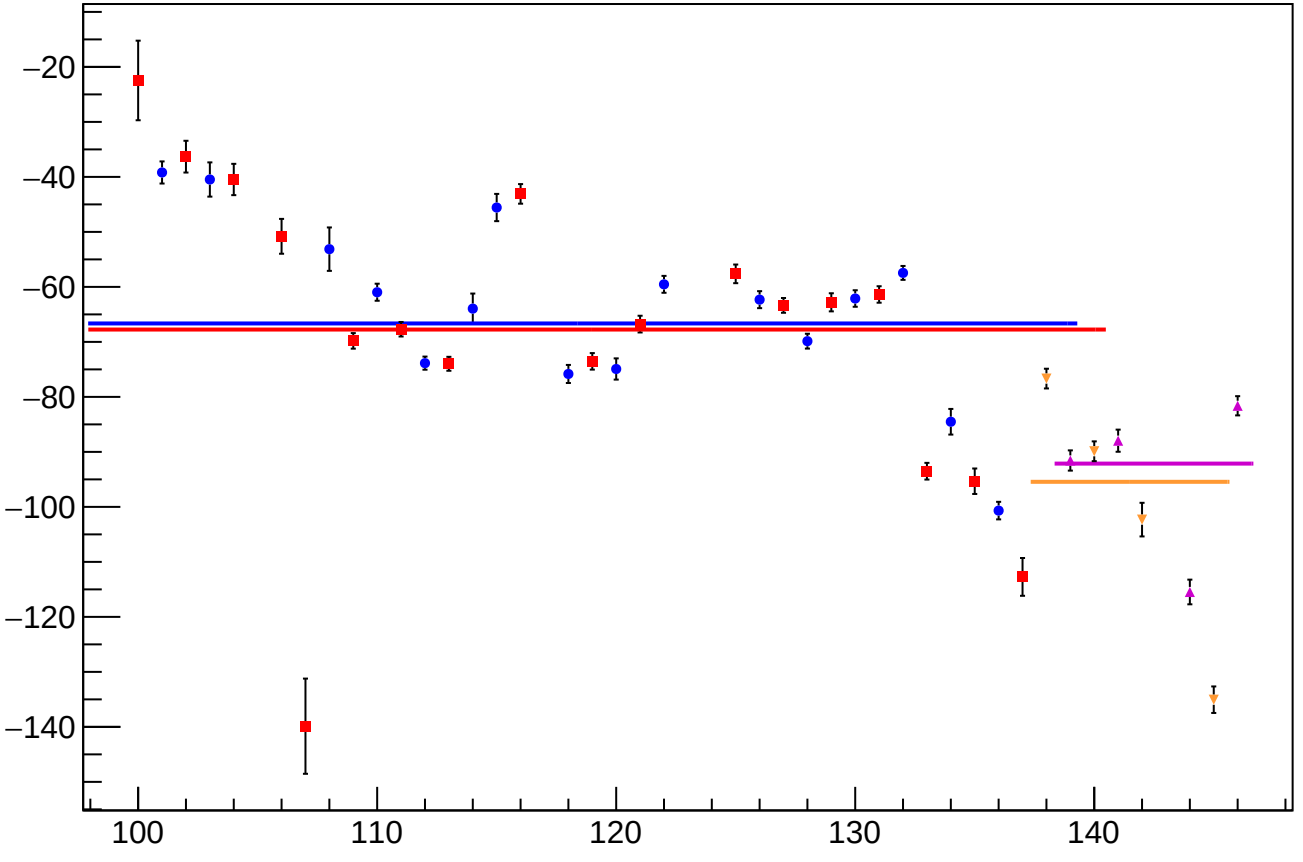
Left In: 0.240+/-0.006 χ^2/NDF:148.2/3

+ sign 0.197+/-0.003 χ^2/NDF: 7534.4/20

All: 0.152+/-0.002 χ^2/NDF: 15394.4/43

- sign 0.106+/-0.003 χ^2/NDF: 7506.1/22

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -95.441+/-1.055 χ^2/NDF:394.1/3

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

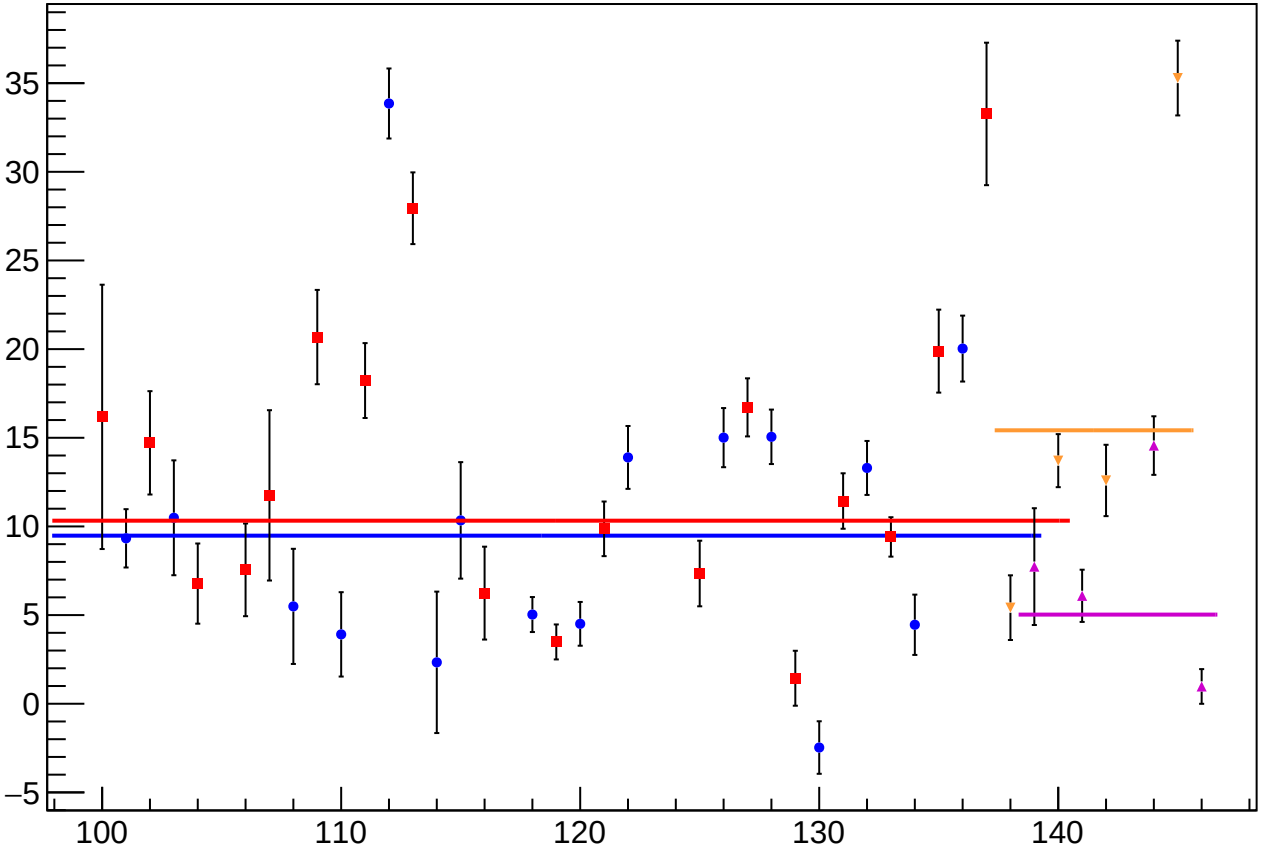
Left In: -92.129+/-0.967 χ^2/NDF:148.9/3

+ sign -70.689+/-0.395 χ^2/NDF: 2087.3/19

All: -71.163+/-0.276 χ^2/NDF: 4028.9/41

- sign -71.613+/-0.385 χ^2/NDF: 1938.7/21

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 15.422+/-0.906 χ^2/NDF:122.2/3

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

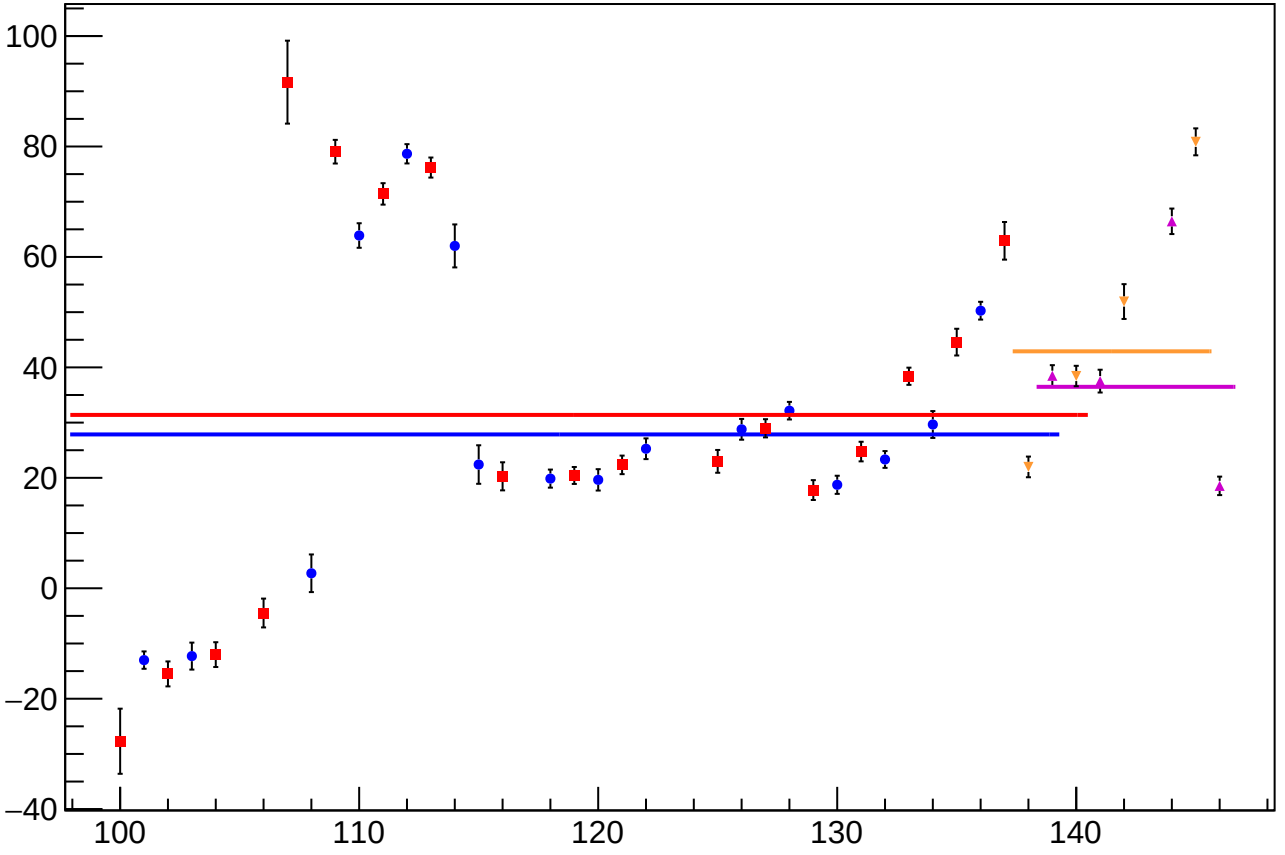
Left In: 5.028+/-0.713 χ^2/NDF:51.7/3

+ sign 10.565+/-0.387 χ^2/NDF: 499.3/19

All: 9.692+/-0.268 χ^2/NDF: 864.3/41

- sign 8.886+/-0.372 χ^2/NDF: 355.2/21

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 42.907+/-1.087 χ^2/NDF:380.8/3

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

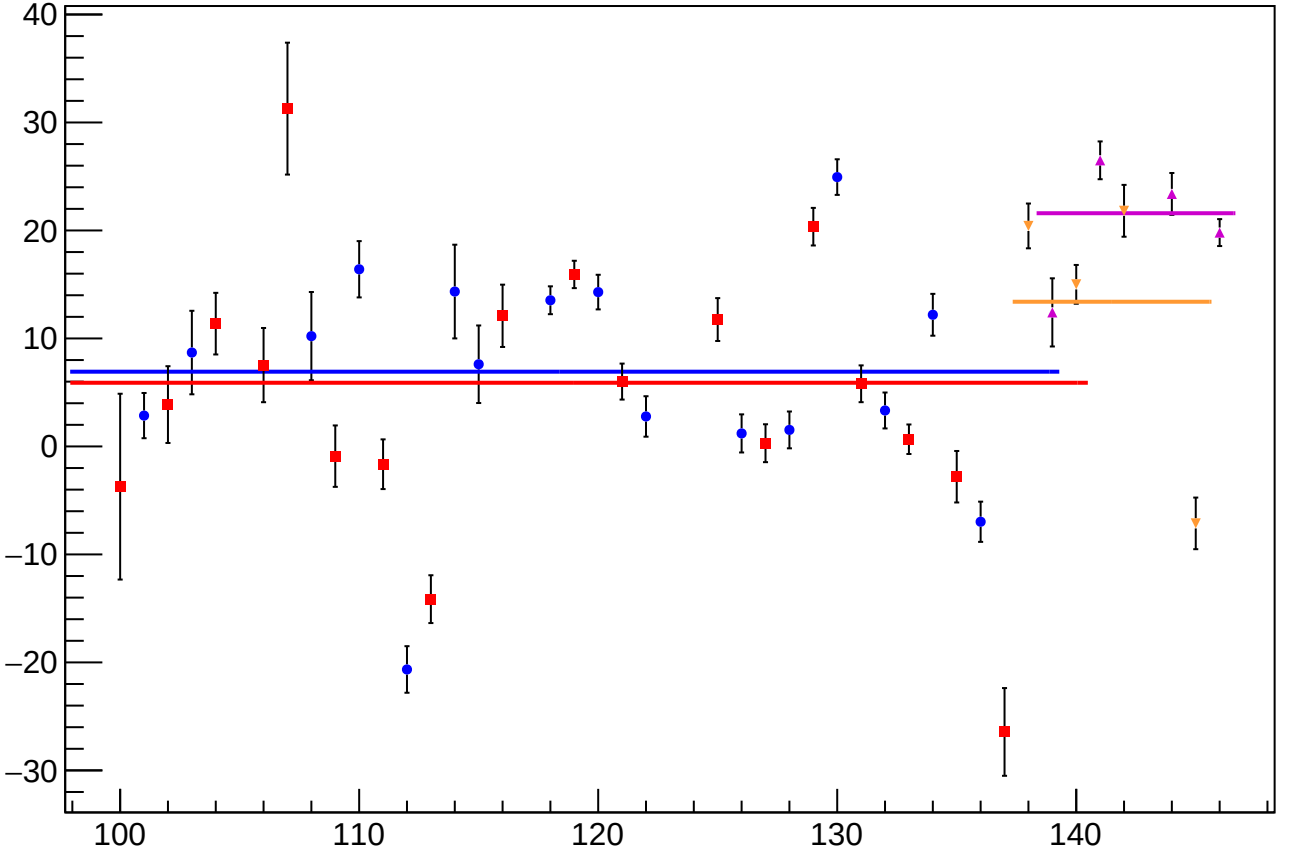
Left In: 36.480+/-0.975 χ^2/NDF:284.8/3

+ sign 30.336+/-0.441 χ^2/NDF: 3014.8/19

All: 31.385+/-0.310 χ^2/NDF: 6344.0/41

- sign 32.410+/-0.436 χ^2/NDF: 3318.0/21

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 13.399+/-1.059 χ^2/NDF:98.3/3

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

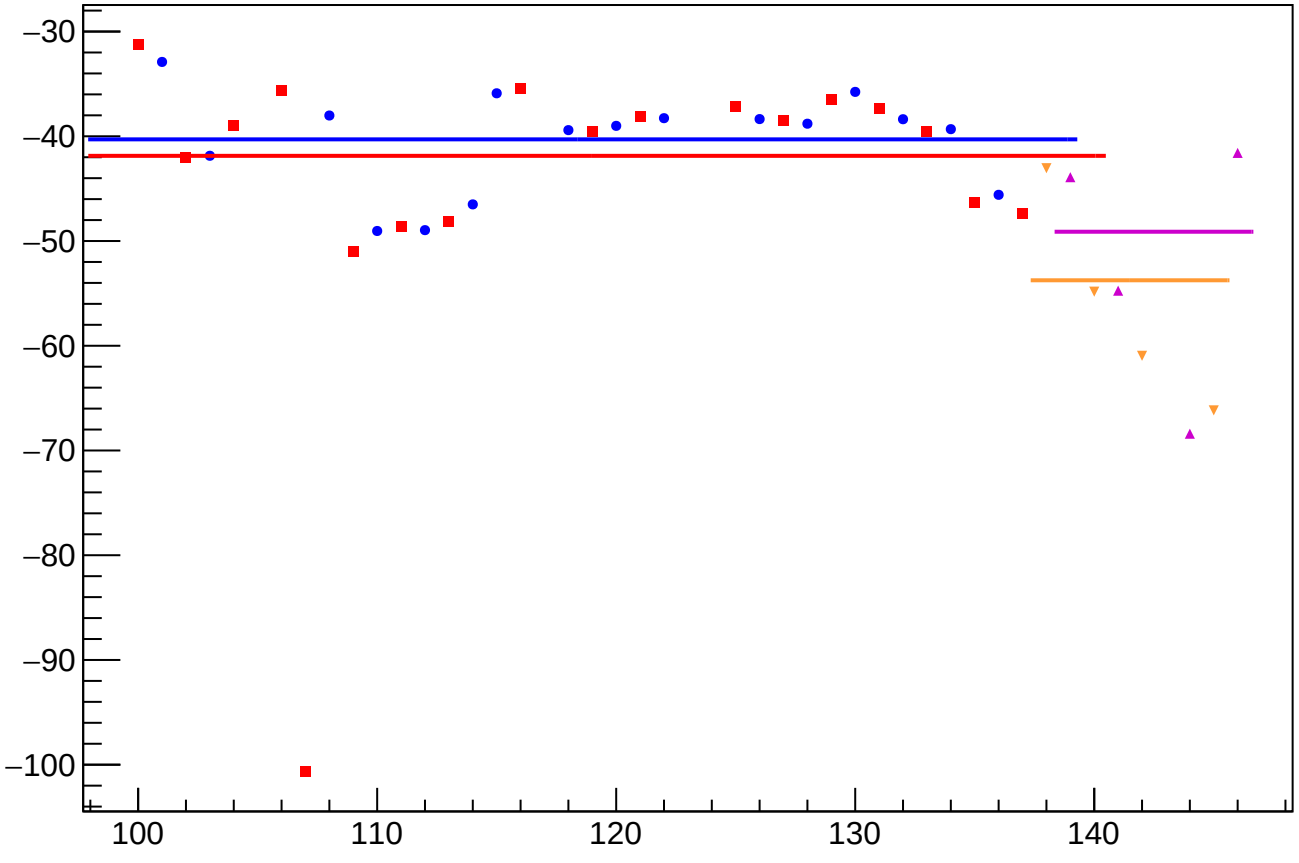
Left In: 21.596+/-0.865 χ^2/NDF:19.2/3

+ sign 8.085+/-0.449 χ^2/NDF: 573.3/19

All: 8.995+/-0.312 χ^2/NDF: 1214.6/41

- sign 9.847+/-0.434 χ^2/NDF: 633.3/21

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -53.750+/-0.045 χ^2/NDF:40568.0/3

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

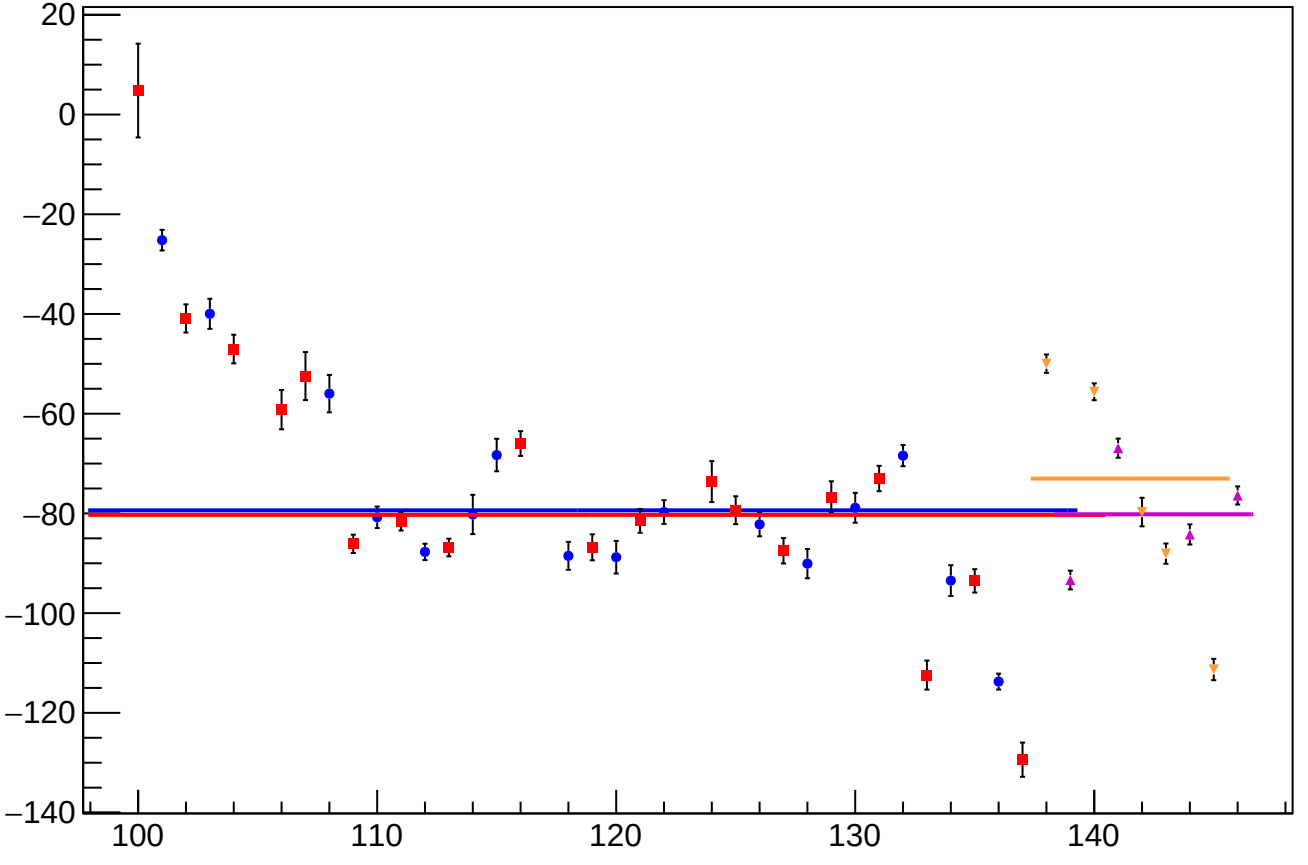
Left In: -49.113+/-0.039 χ^2/NDF:55800.9/3

+ sign -44.709+/-0.026 χ^2/NDF: 121504.0/19

All: -44.732+/-0.018 χ^2/NDF: 256332.1/41

- sign -44.753+/-0.025 χ^2/NDF: 134826.5/21

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.012+/-0.903 χ^2/NDF:642.2/4

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

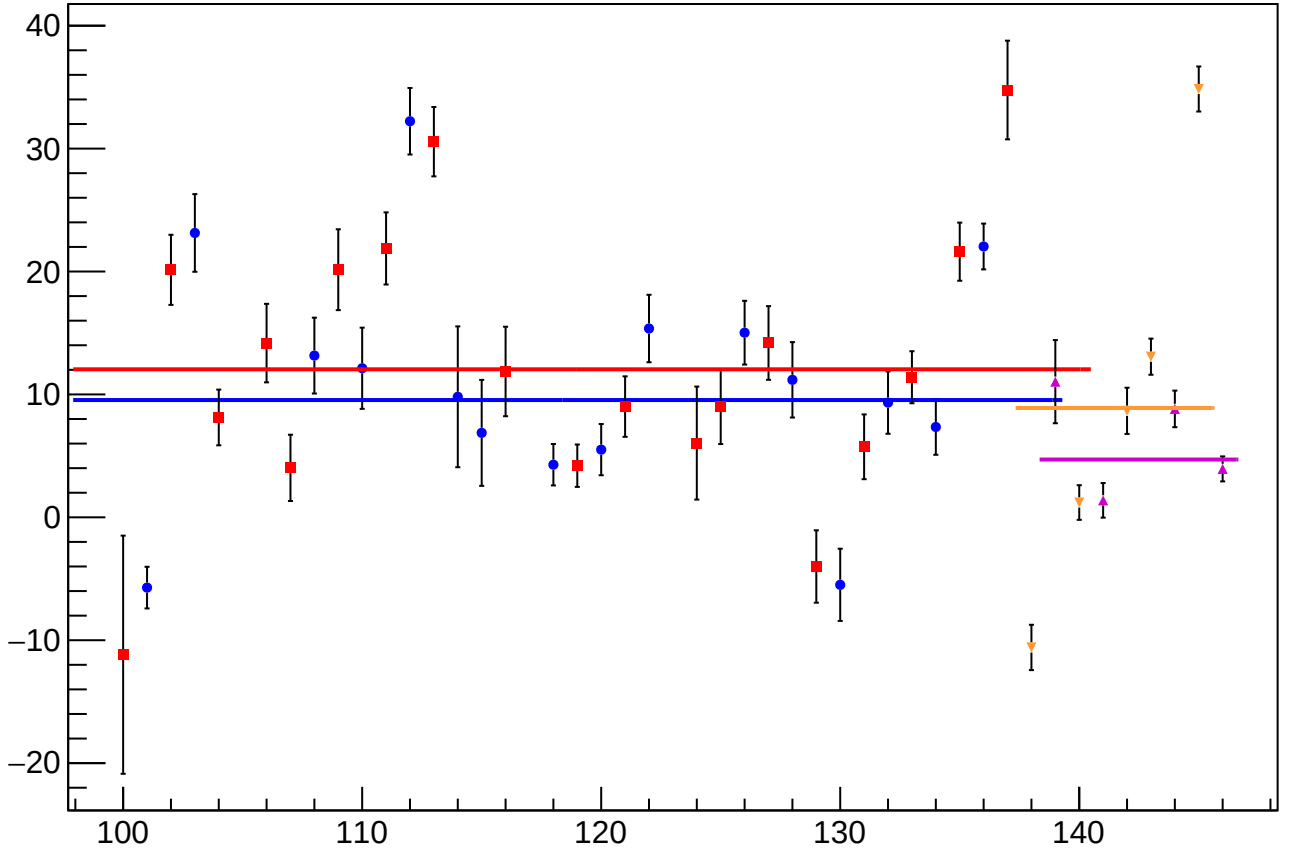
Left In: -80.172+/-0.953 χ^2/NDF:105.1/3

+ sign -77.382+/-0.506 χ^2/NDF: 2152.2/20

All: -78.809+/-0.359 χ^2/NDF: 3188.0/43

- sign -80.259+/-0.510 χ^2/NDF: 1019.8/22

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 8.897+/-0.737 χ^2/NDF:350.1/4

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

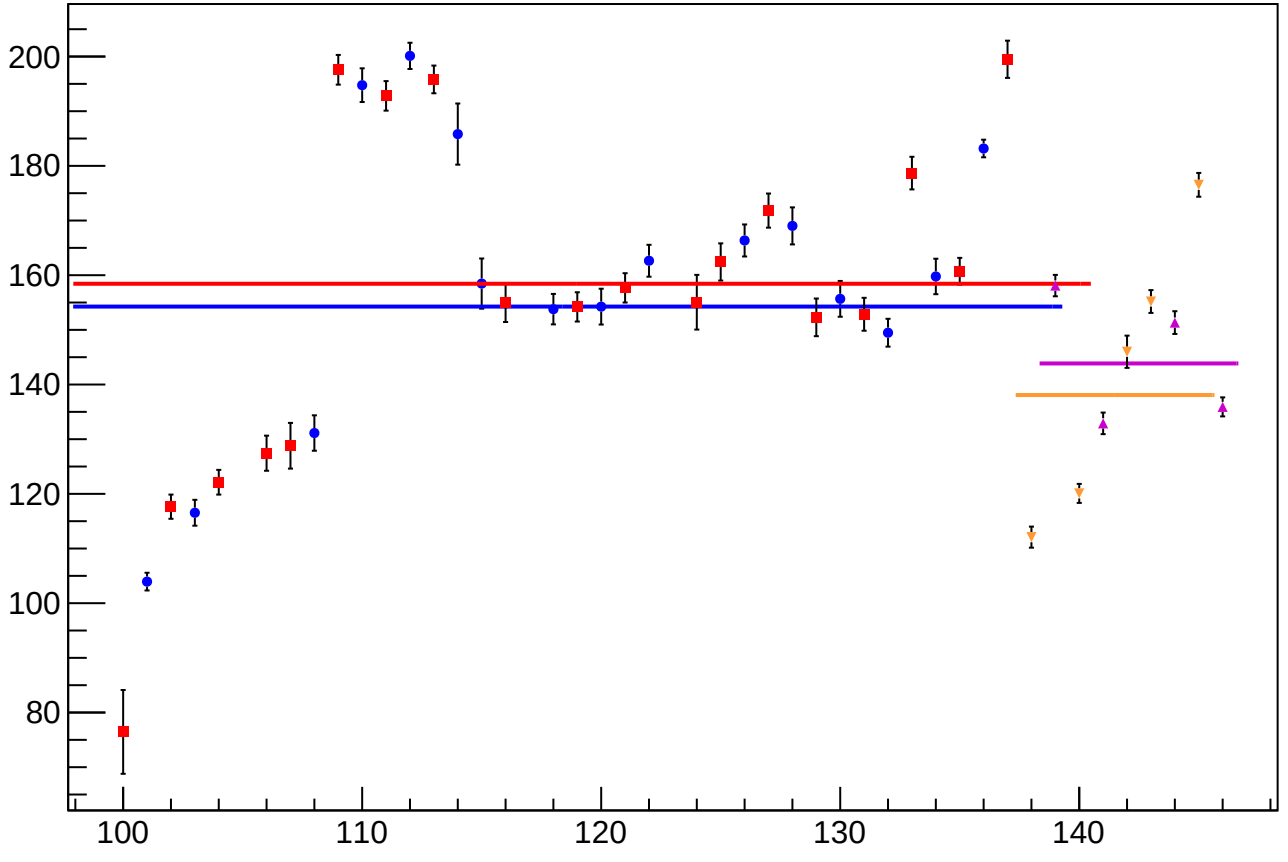
Left In: 4.702+/-0.705 χ^2/NDF:17.3/3

+ sign 9.274+/-0.475 χ^2/NDF: 617.6/20

All: 9.009+/-0.335 χ^2/NDF: 891.1/43

- sign 8.746+/-0.473 χ^2/NDF: 272.8/22

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 138.082+/-0.930 χ^2/NDF:675.2/4

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

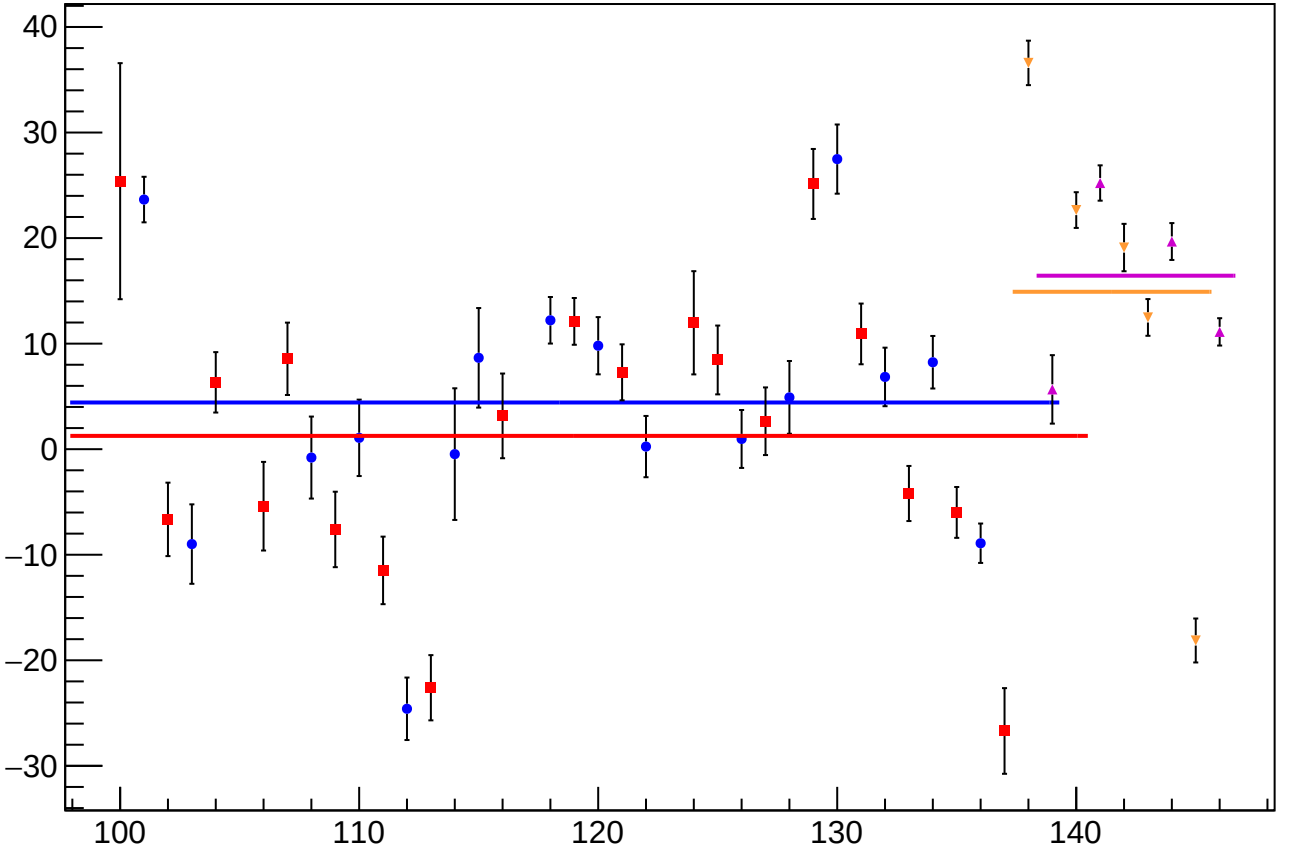
Left In: 143.856+/-0.963 χ^2/NDF:117.5/3

+ sign 148.826+/-0.539 χ^2/NDF: 3089.6/20

All: 151.116+/-0.387 χ^2/NDF: 5061.3/43

- sign 153.557+/-0.557 χ^2/NDF: 1934.4/22

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.913+/-0.866 χ^2/NDF:384.1/4

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

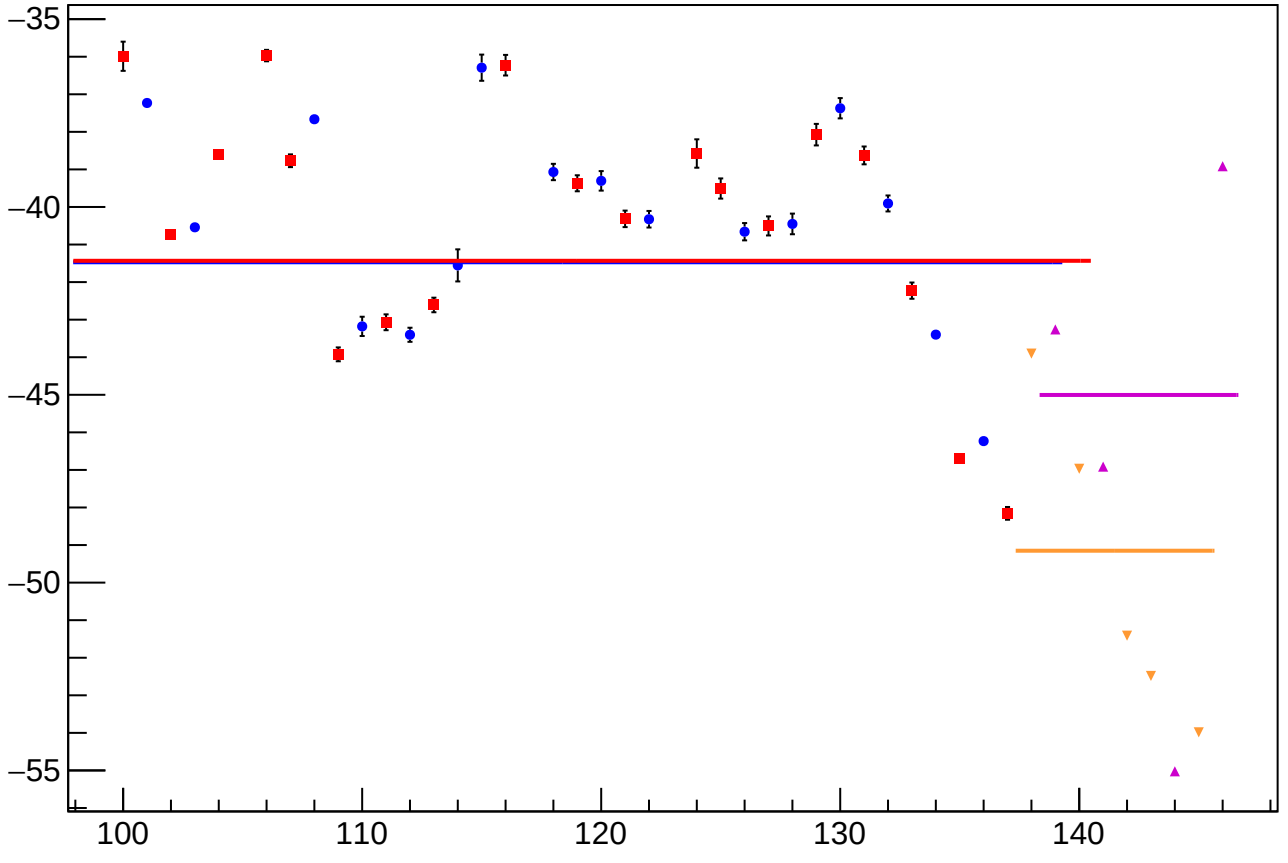
Left In: 16.436+/-0.853 χ^2/NDF:58.9/3

+ sign 8.670+/-0.551 χ^2/NDF: 787.5/20

All: 8.187+/-0.391 χ^2/NDF: 1295.2/43

- sign 7.696+/-0.555 χ^2/NDF: 506.2/22

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -49.151+/-0.039 χ^2/NDF:10407.0/4

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

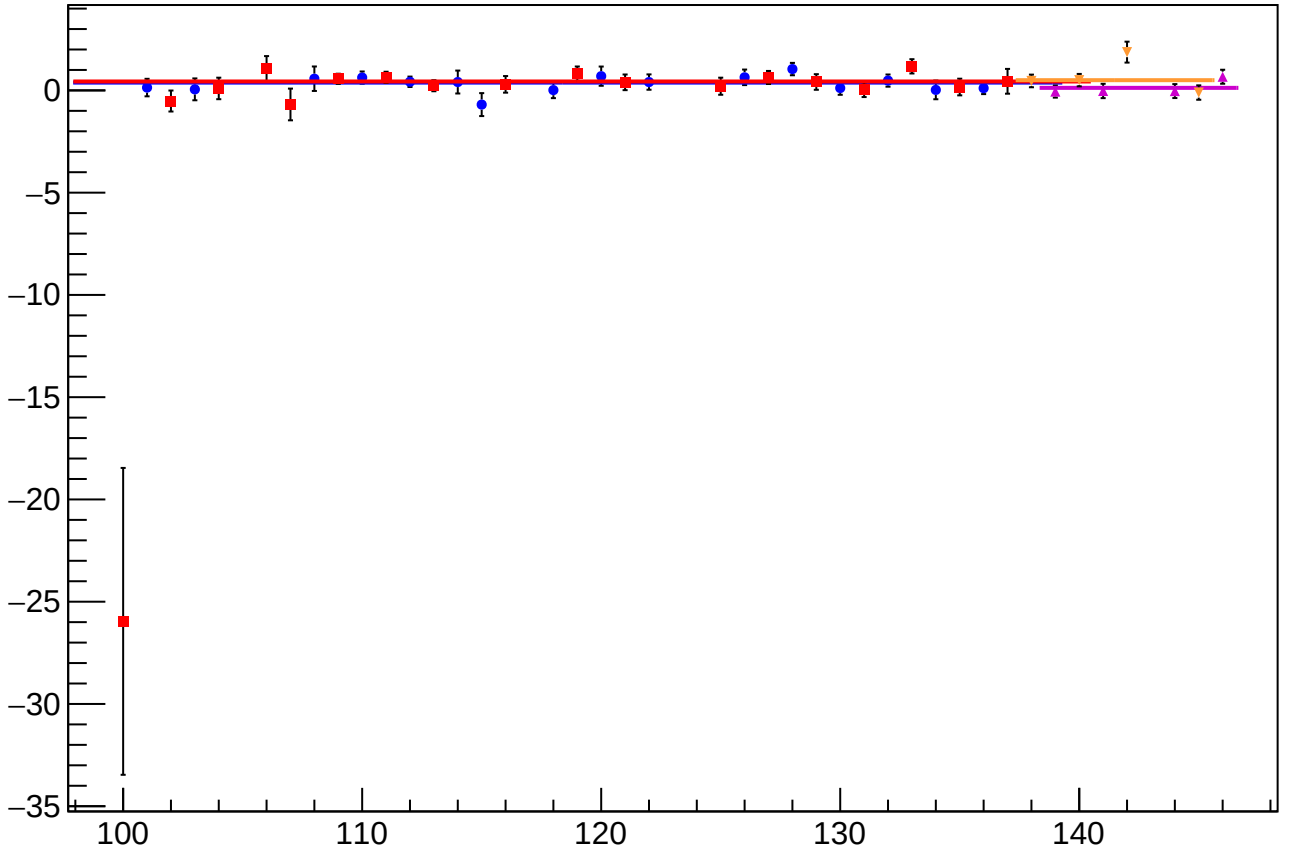
Left In: -45.004+/-0.039 χ^2/NDF:19380.1/3

+ sign -45.261+/-0.027 χ^2/NDF: 38351.3/20

All: -44.273+/-0.019 χ^2/NDF: 72798.2/43

- sign -43.235+/-0.028 χ^2/NDF: 31727.6/22

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.500+/-0.174 χ^2/NDF:10.2/3

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

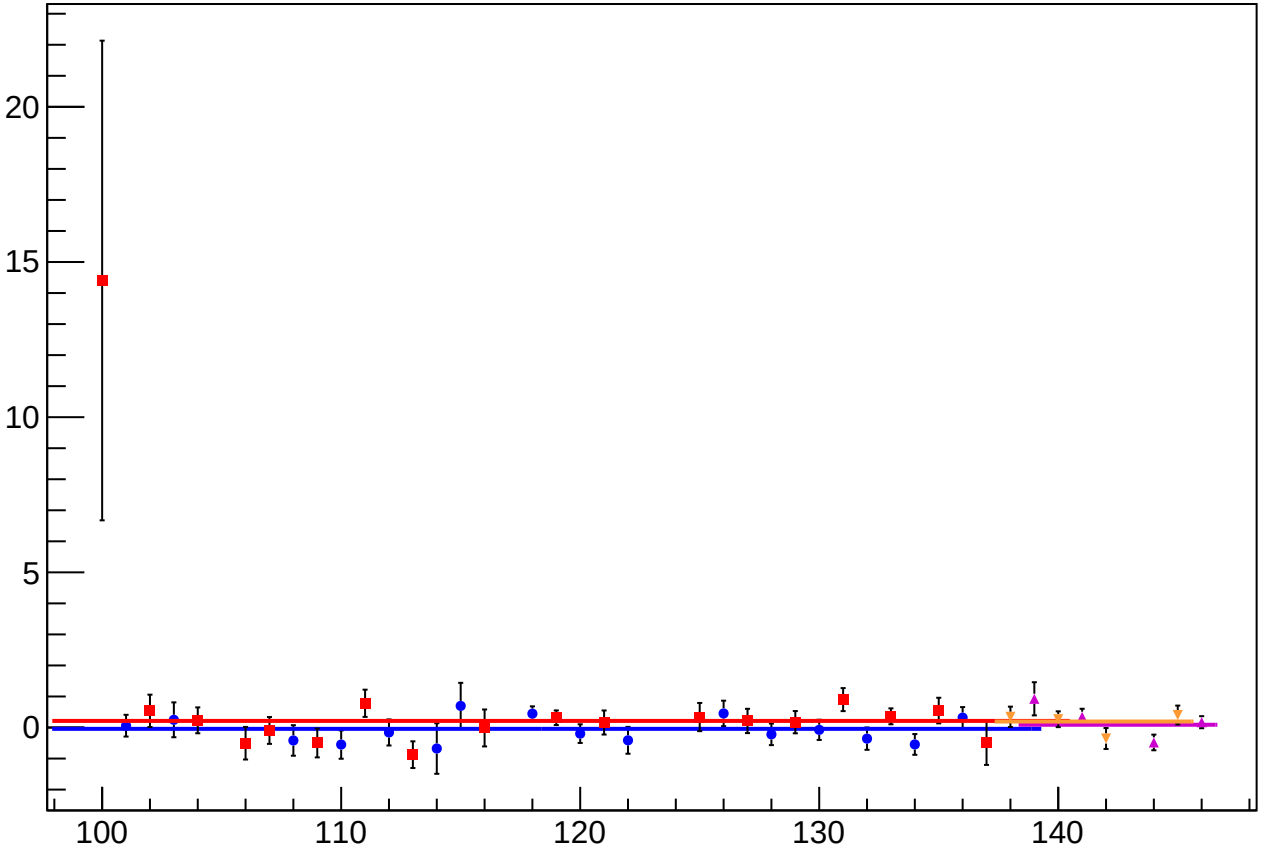
Left In: 0.124+/-0.165 χ^2/NDF:3.3/3

+ sign 0.408+/-0.081 χ^2/NDF: 24.5/19

All: 0.386+/-0.057 χ^2/NDF: 59.7/41

- sign 0.365+/-0.079 χ^2/NDF: 35.1/21

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.193+/-0.150 χ^2/NDF:3.4/3

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

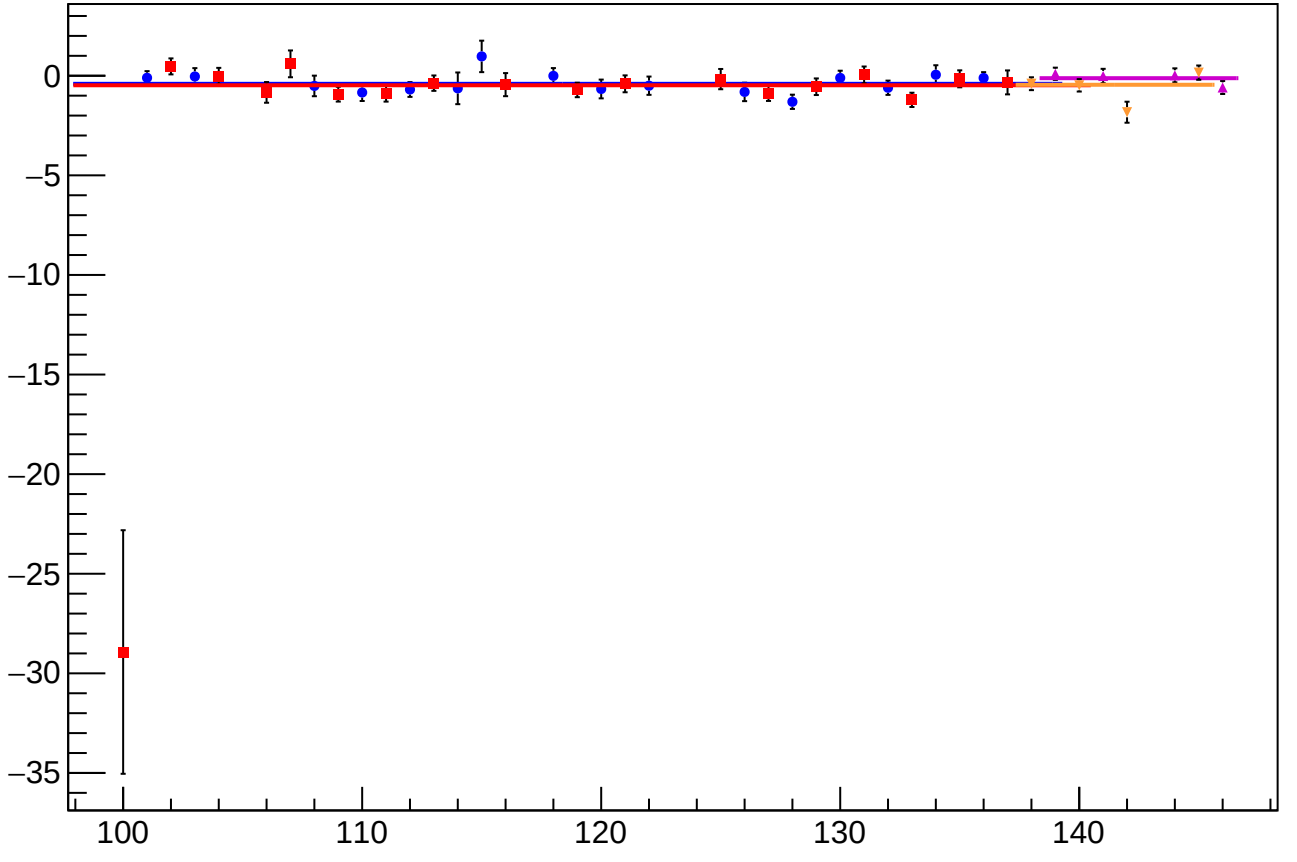
Left In: 0.089+/-0.128 χ^2/NDF:8.7/3

+ sign 0.024+/-0.080 χ^2/NDF: 20.2/19

All: 0.100+/-0.055 χ^2/NDF: 53.7/41

- sign 0.169+/-0.076 χ^2/NDF: 31.7/21

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.453+/-0.179 χ^2/NDF:9.7/3

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

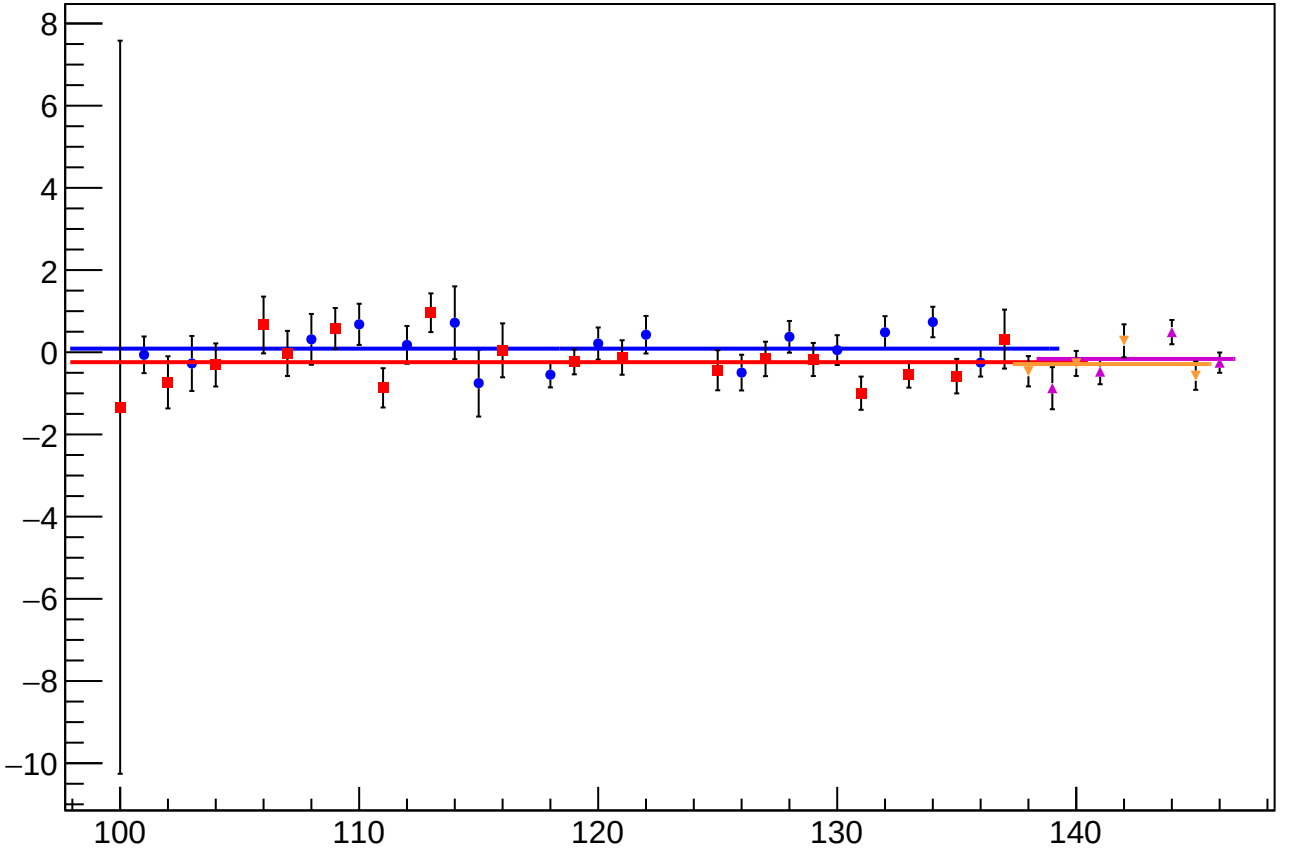
Left In: -0.123+/-0.167 χ^2/NDF:2.8/3

+ sign -0.418+/-0.089 χ^2/NDF: 27.6/19

All: -0.398+/-0.063 χ^2/NDF: 76.0/41

- sign -0.379+/-0.089 χ^2/NDF: 48.3/21

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.288+/-0.175 χ^2/NDF:2.9/3

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

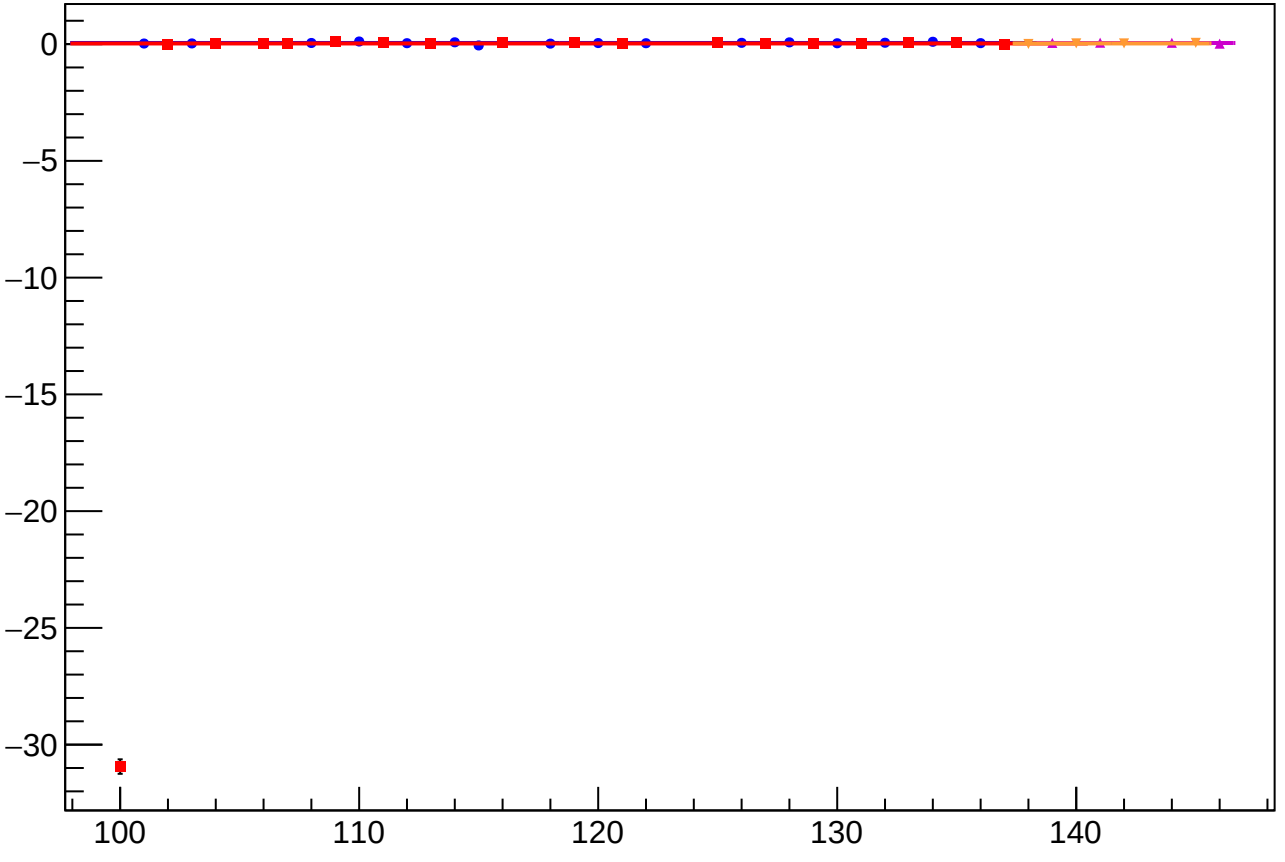
Left In: -0.163+/-0.154 χ^2/NDF:8.0/3

+ sign -0.017+/-0.092 χ^2/NDF: 22.1/19

All: -0.119+/-0.064 χ^2/NDF: 52.3/41

- sign -0.215+/-0.089 χ^2/NDF: 27.8/21

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.029+/-0.007 χ^2/NDF:6.2/3

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

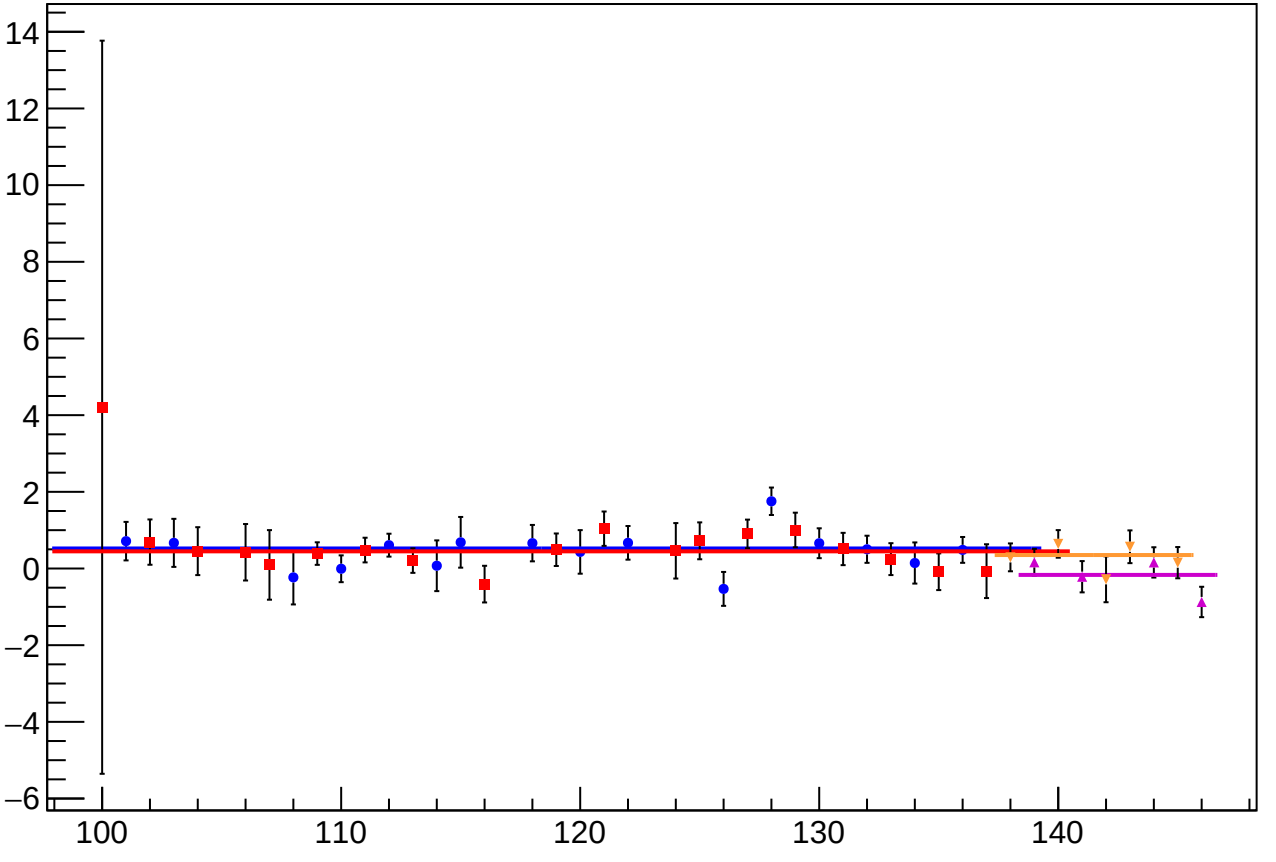
Left In: 0.047+/-0.007 χ^2/NDF:5.5/3

+ sign 0.040+/-0.005 χ^2/NDF: 29.7/19

All: 0.039+/-0.003 χ^2/NDF: 10060.7/41

- sign 0.037+/-0.005 χ^2/NDF: 10030.9/21

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.351+/-0.184 χ^2/NDF:2.3/4

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

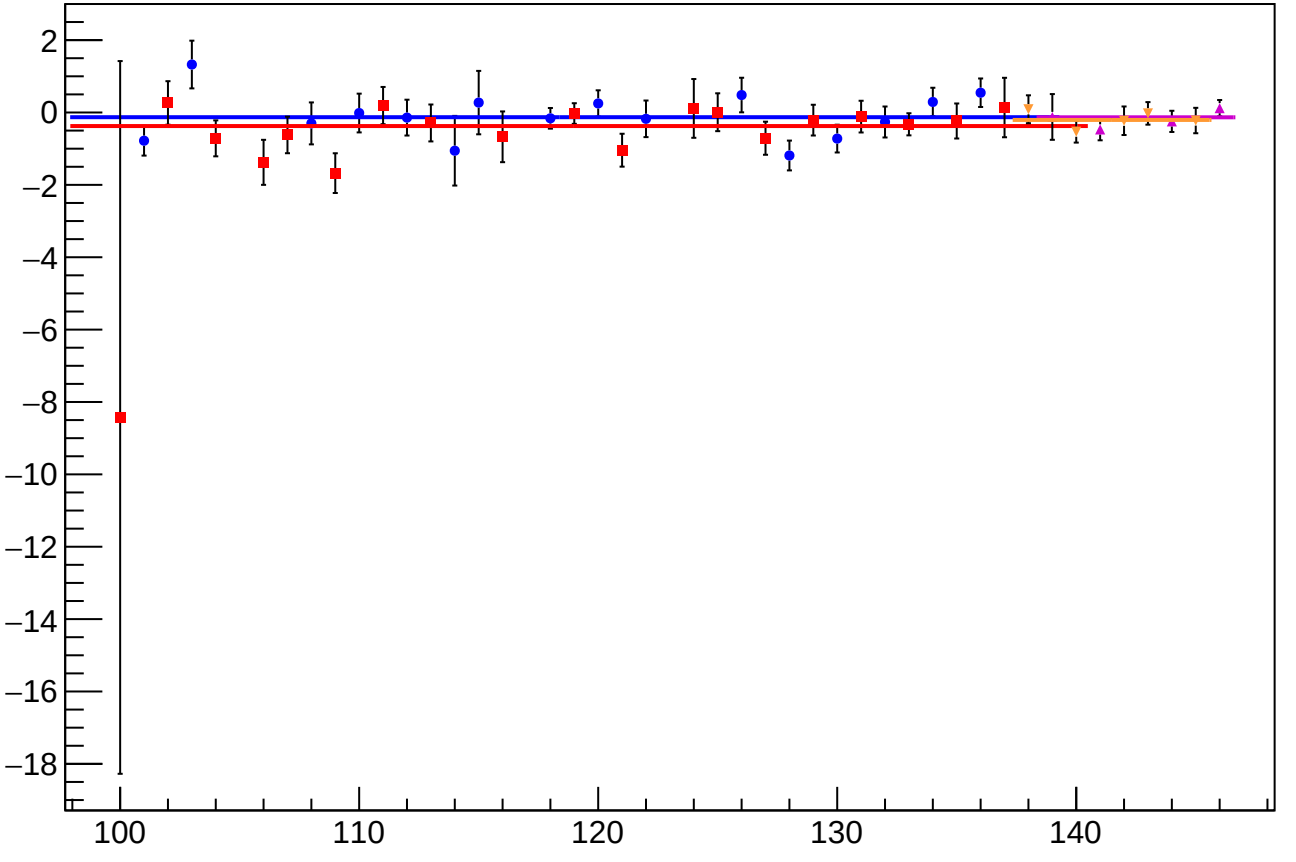
Left In: -0.167+/-0.193 χ^2/NDF:4.8/3

+ sign 0.478+/-0.093 χ^2/NDF: 25.5/20

All: 0.391+/-0.066 χ^2/NDF: 51.3/43

- sign 0.307+/-0.092 χ^2/NDF: 24.0/22

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.206+/-0.153 χ^2/NDF:2.1/4

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

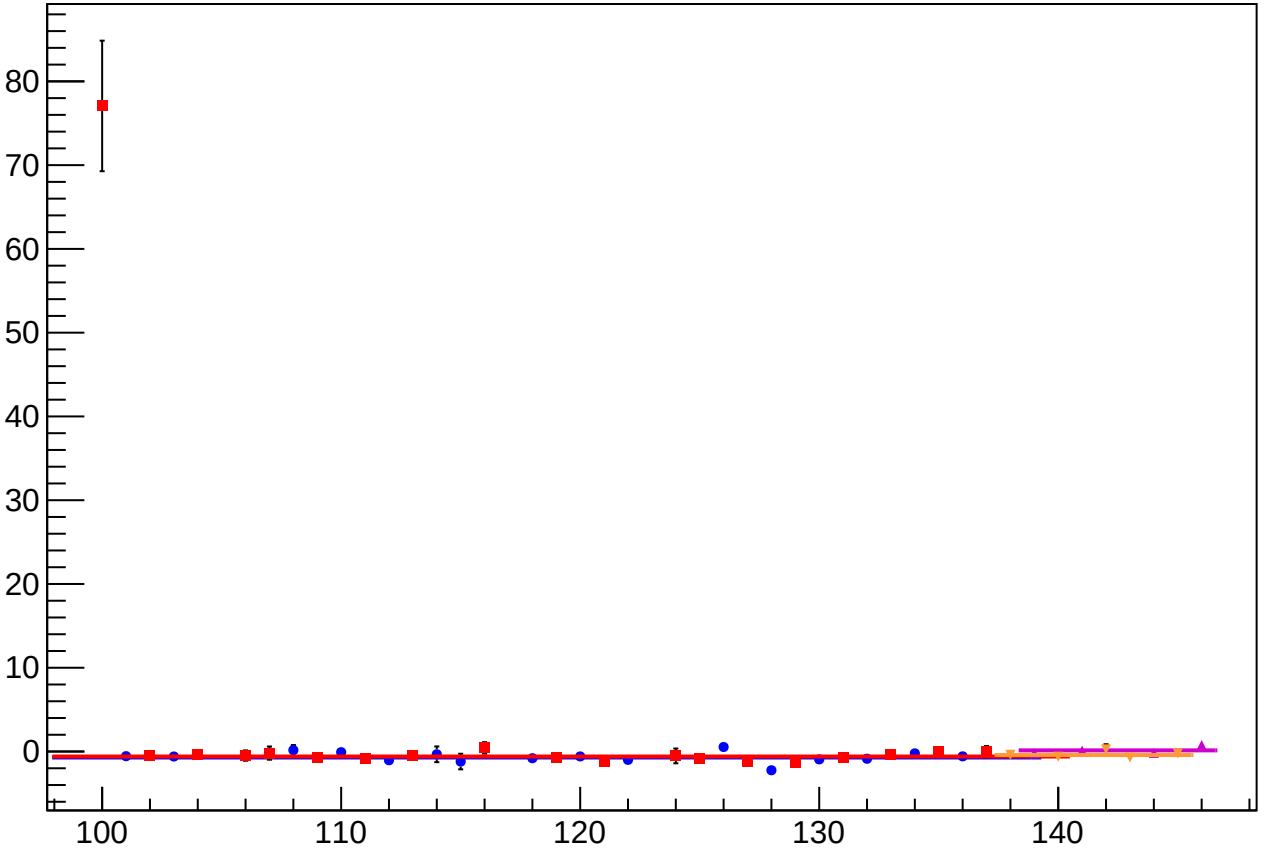
Left In: -0.133+/-0.149 χ^2/NDF:2.7/3

+ sign -0.156+/-0.090 χ^2/NDF: 26.8/20

All: -0.223+/-0.063 χ^2/NDF: 50.4/43

- sign -0.288+/-0.089 χ^2/NDF: 22.5/22

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.421+/-0.190 χ^2/NDF:2.1/4

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

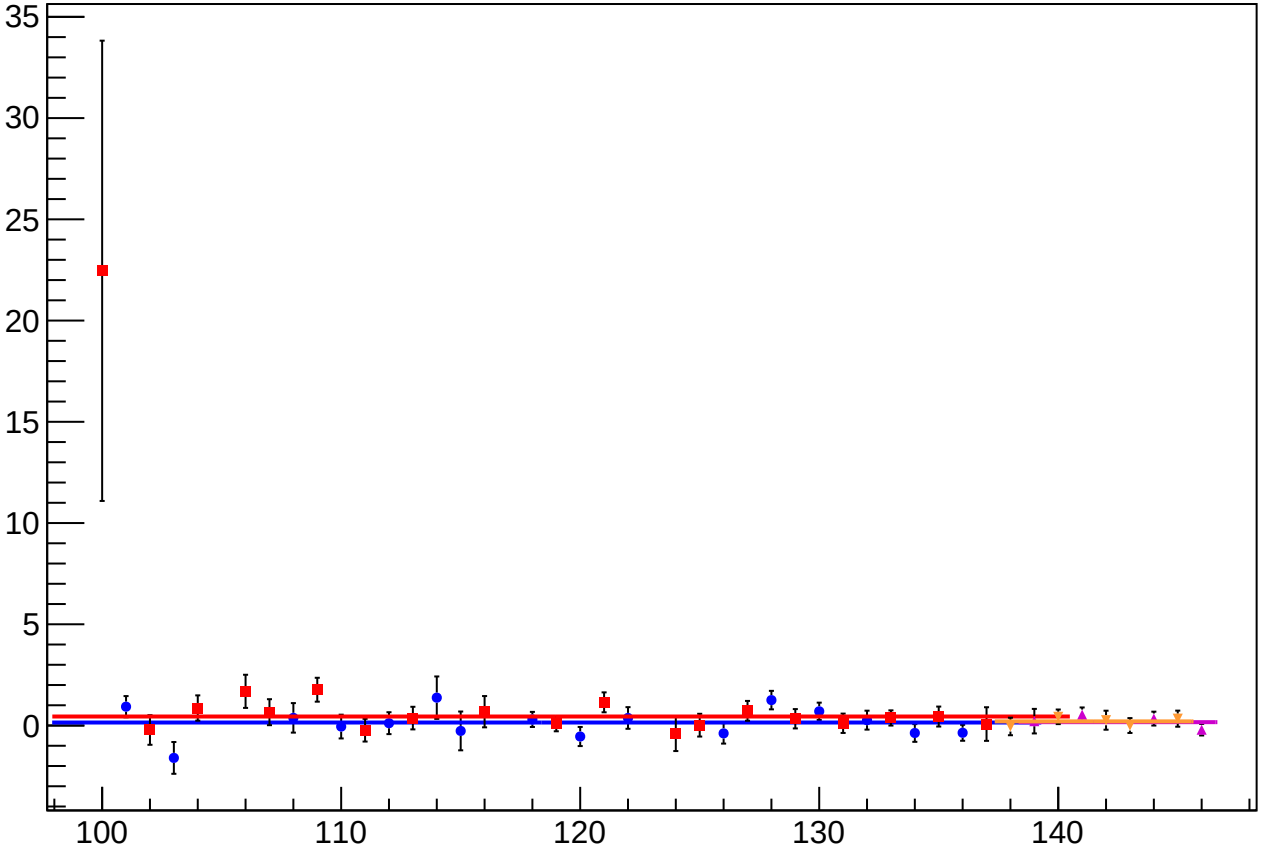
Left In: 0.135+/-0.195 χ^2/NDF:4.2/3

+ sign -0.628+/-0.102 χ^2/NDF: 28.7/20

All: -0.511+/-0.073 χ^2/NDF: 156.6/43

- sign -0.393+/-0.103 χ^2/NDF: 125.3/22

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.204+/-0.179 χ^2/NDF:1.2/4

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

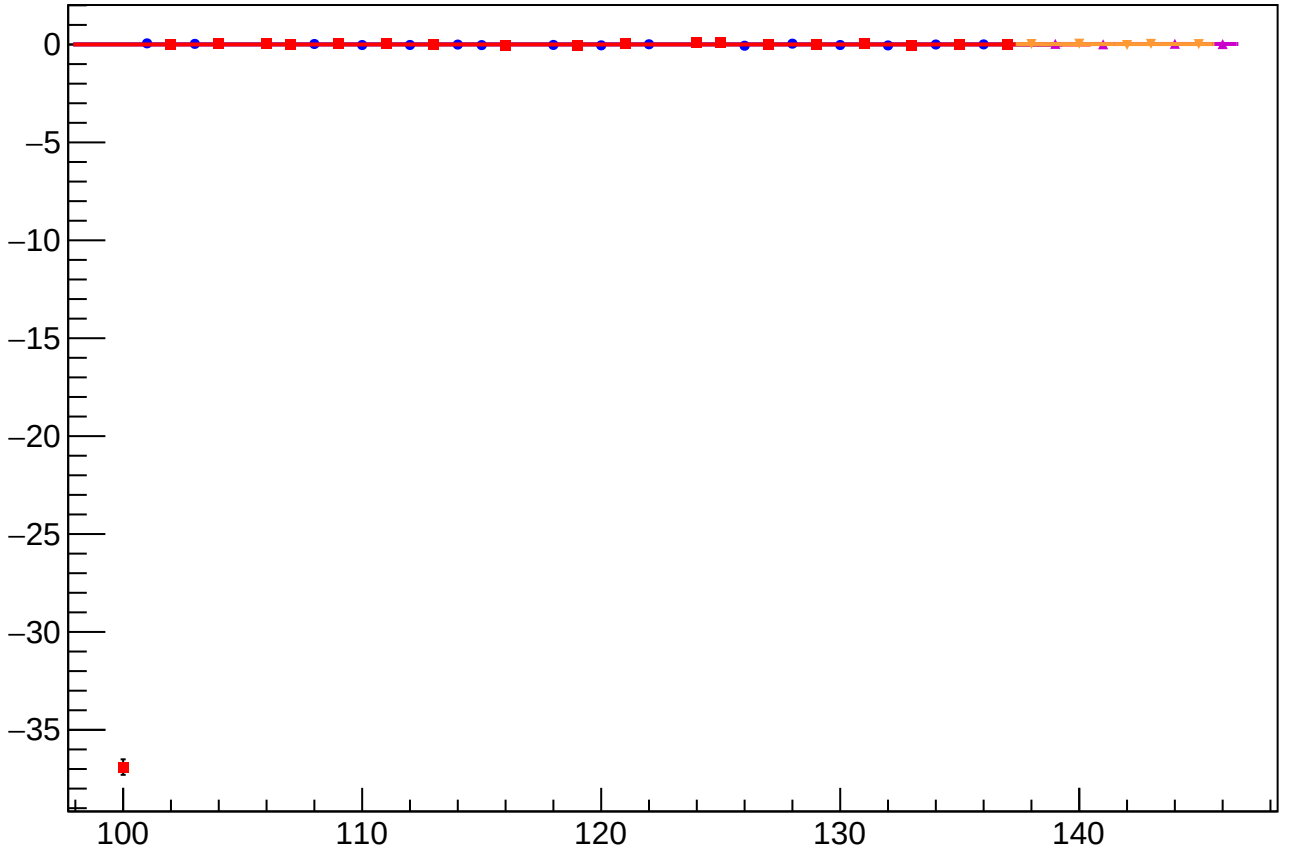
Left In: 0.166+/-0.178 χ^2/NDF:3.1/3

+ sign 0.167+/-0.104 χ^2/NDF: 24.5/20

All: 0.258+/-0.074 χ^2/NDF: 50.4/43

- sign 0.350+/-0.104 χ^2/NDF: 24.4/22

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.022+/-0.008 χ^2/NDF:5.3/4

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

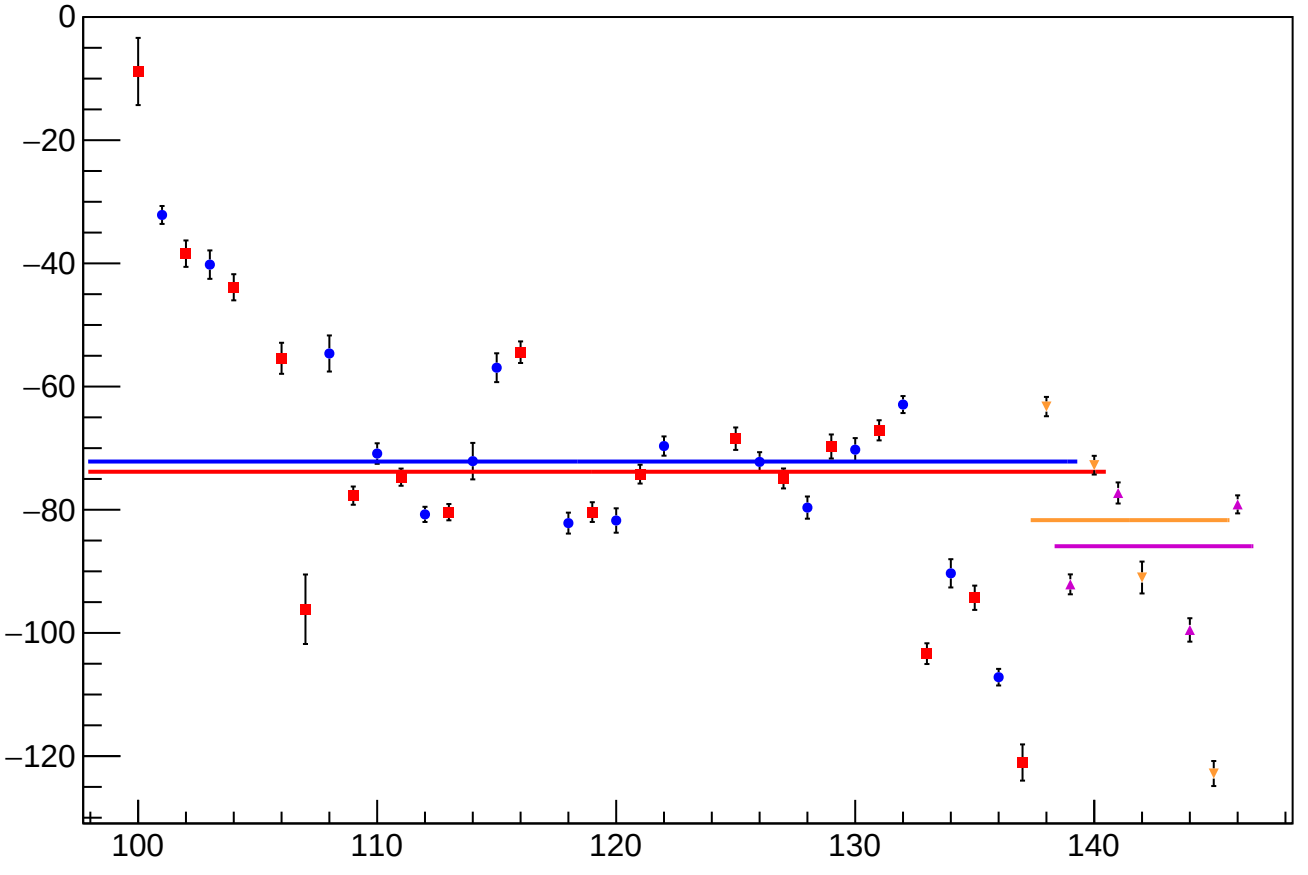
Left In: 0.027+/-0.008 χ^2/NDF:1.4/3

\+ sign 0.014+/-0.005 χ^2/NDF: 25.0/20

All: 0.014+/-0.004 χ^2/NDF: 8785.0/43

\- sign 0.014+/-0.005 χ^2/NDF: 8760.0/22

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -81.688+/-0.901 χ^2/NDF:595.3/3

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

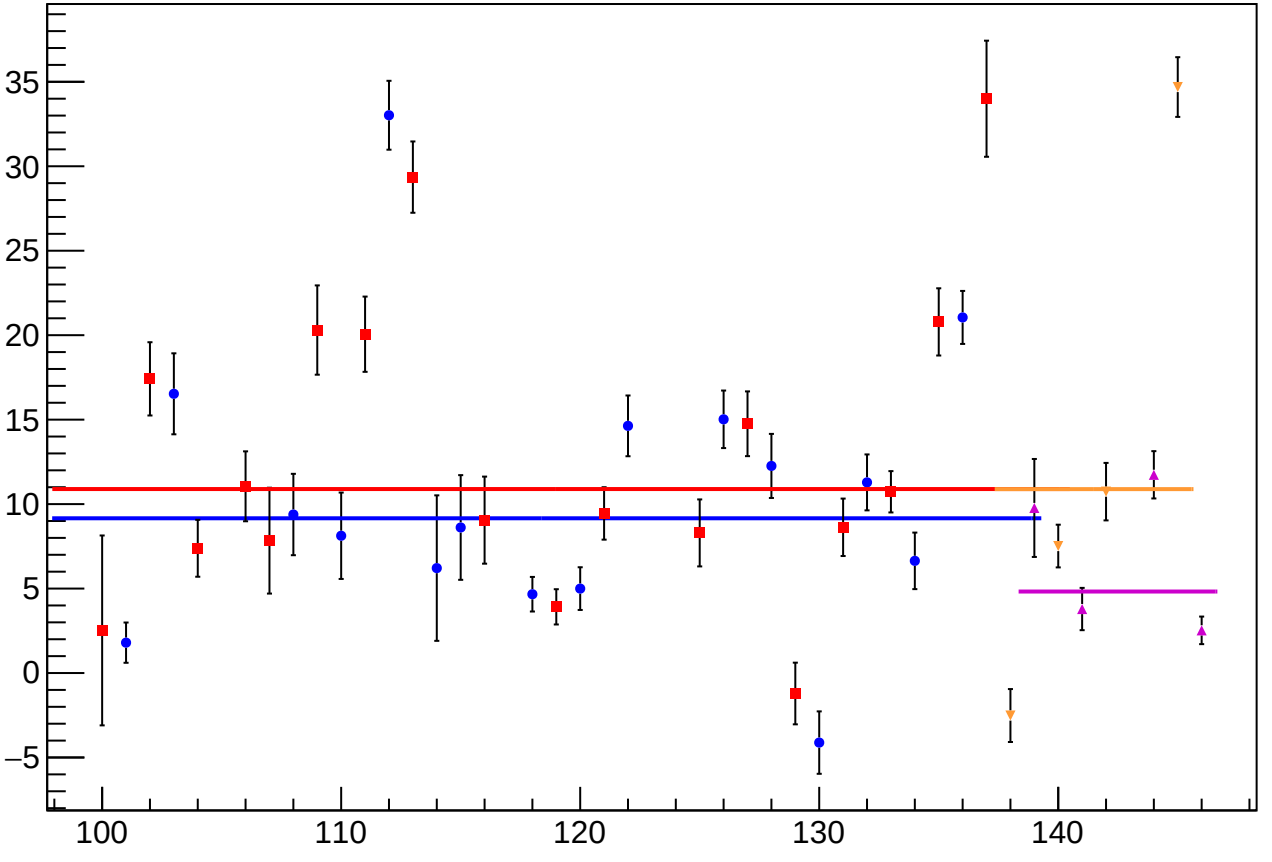
Left In: -85.923+/-0.826 χ^2/NDF:112.7/3

+ sign -73.950+/-0.390 χ^2/NDF: 2621.9/19

All: -75.207+/-0.273 χ^2/NDF: 4481.2/41

- sign -76.415+/-0.382 χ^2/NDF: 1839.0/21

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 10.887+/-0.767 χ^2/NDF:261.6/3

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

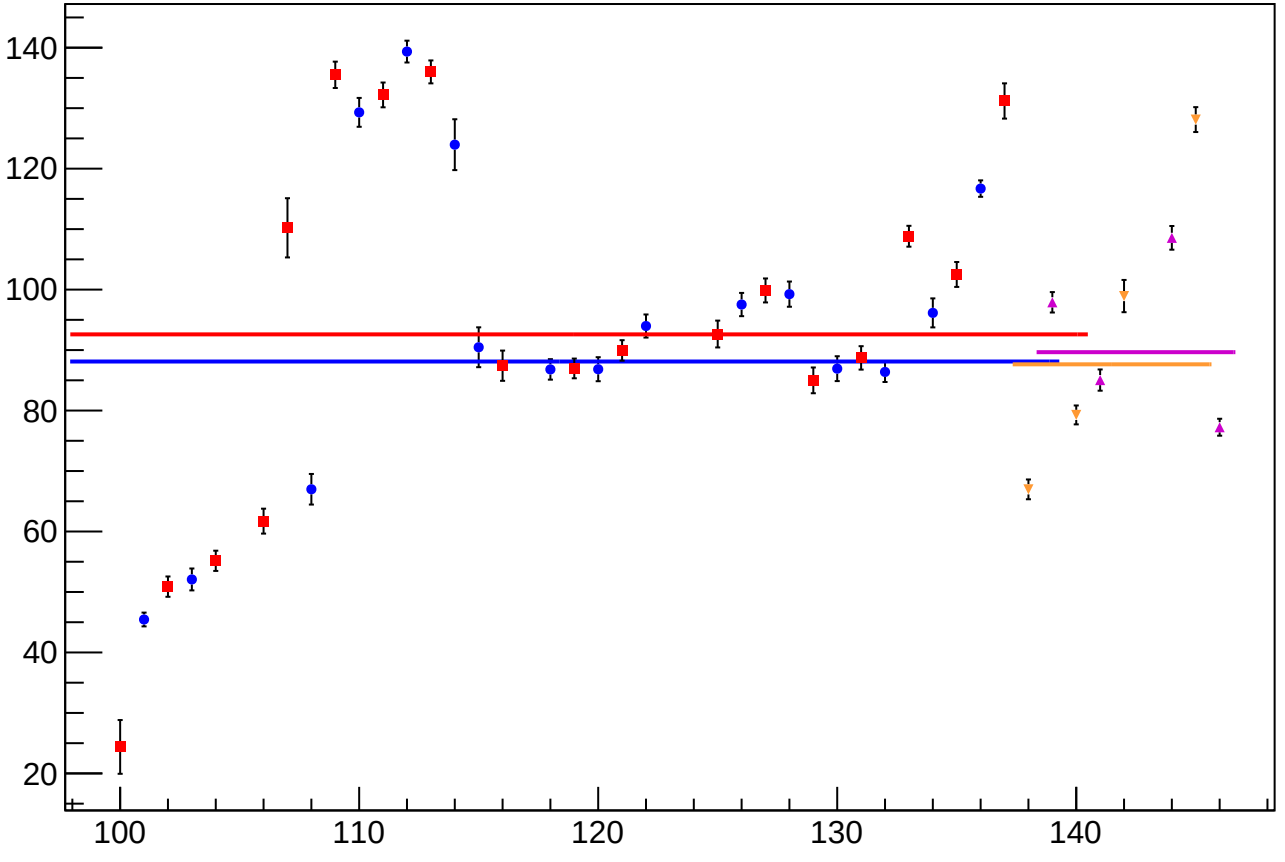
Left In: 4.825+/-0.601 χ^2/NDF:35.9/3

+ sign 9.566+/-0.372 χ^2/NDF: 617.5/19

All: 9.151+/-0.257 χ^2/NDF: 1012.4/41

- sign 8.773+/-0.355 χ^2/NDF: 392.4/21

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 87.644+/-0.929 χ^2/NDF:592.5/3

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

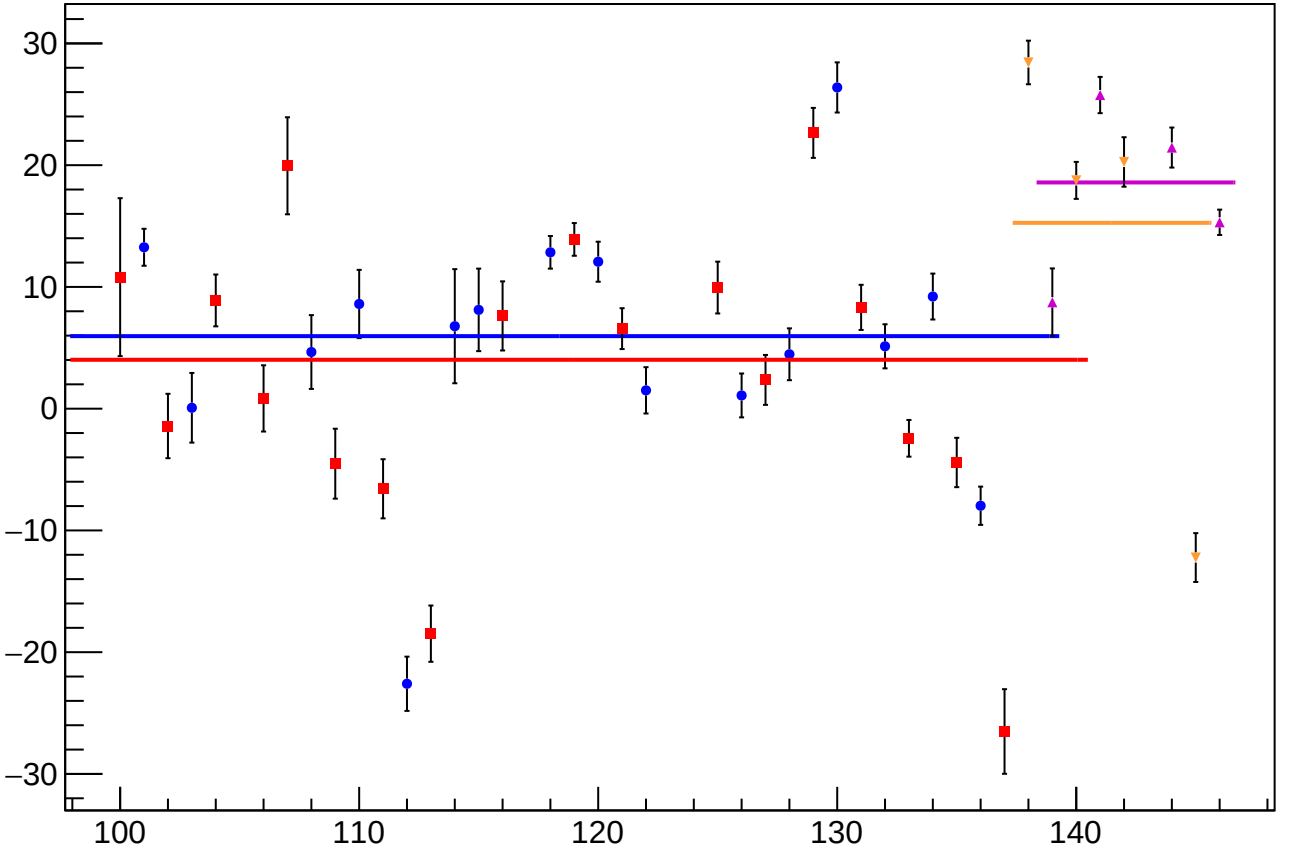
Left In: 89.653+/-0.832 χ^2/NDF:202.5/3

+ sign 88.015+/-0.418 χ^2/NDF: 4154.4/19

All: 89.937+/-0.296 χ^2/NDF: 7619.5/41

- sign 91.854+/-0.418 χ^2/NDF: 3422.9/21

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 15.264+/-0.899 χ^2/NDF:253.2/3

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

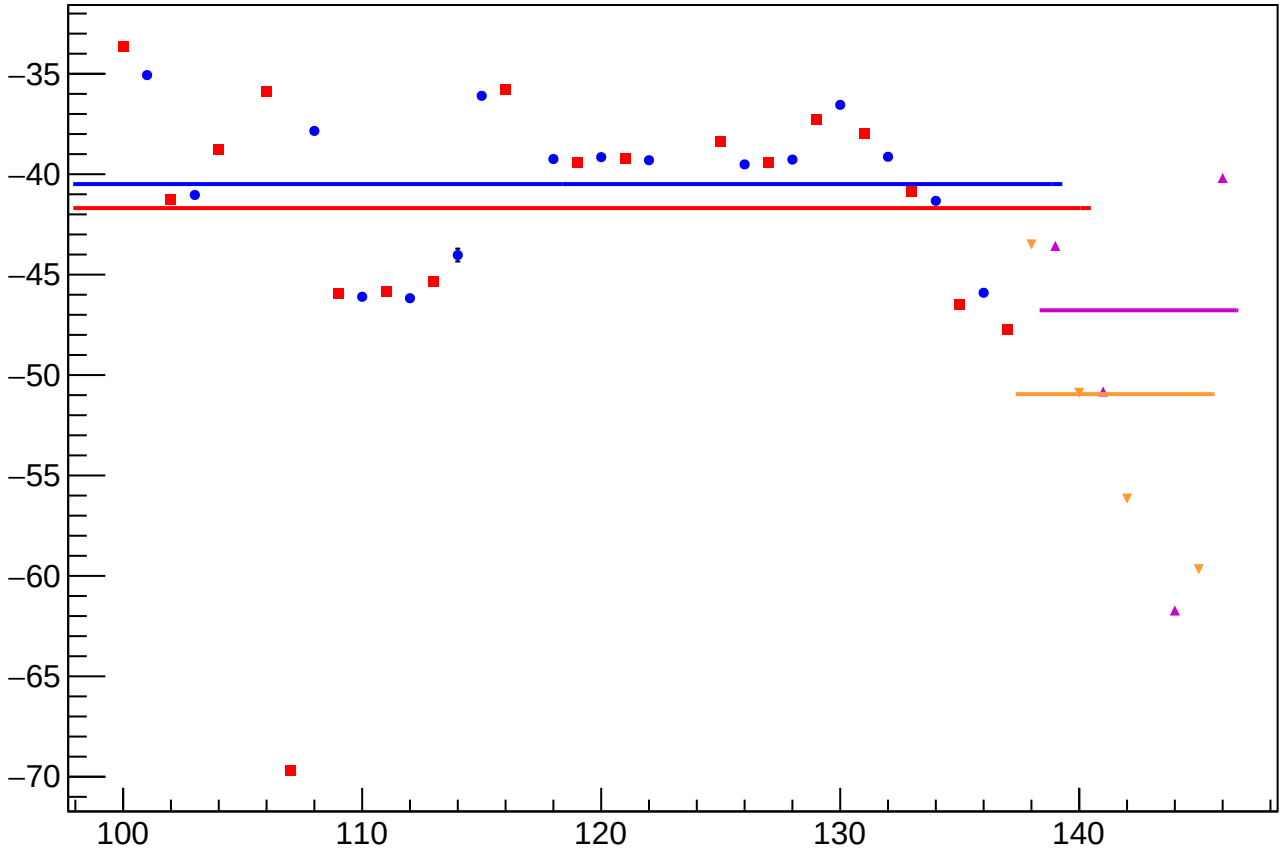
Left In: 18.581+/-0.730 χ^2/NDF:48.7/3

\+ sign 8.119+/-0.433 χ^2/NDF: 762.2/19

All: 8.464+/-0.301 χ^2/NDF: 1497.3/41

\- sign 8.785+/-0.418 χ^2/NDF: 733.8/21

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -50.950+/-0.039 χ^2/NDF:26704.4/3

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

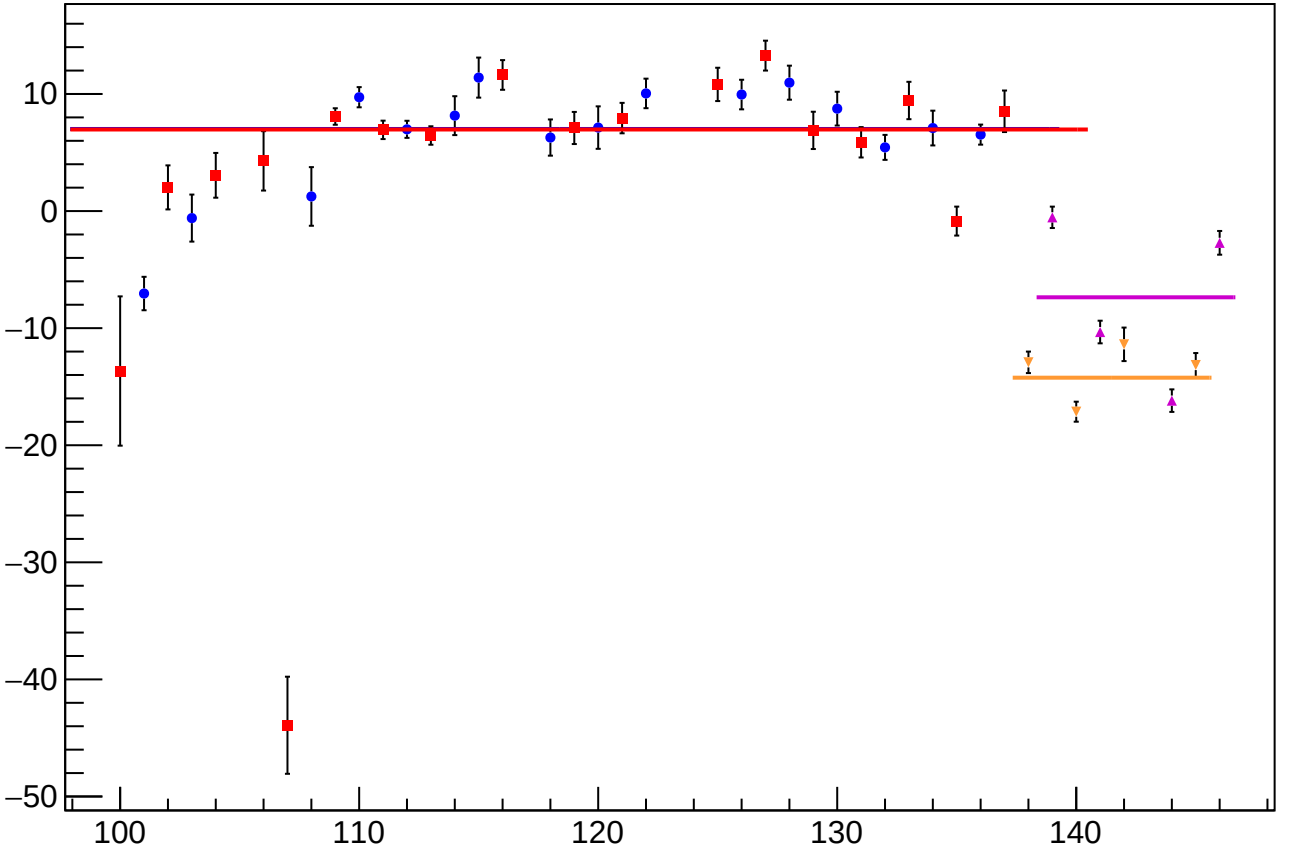
Left In: -46.776+/-0.034 χ^2/NDF:46894.5/3

+ sign -44.158+/-0.023 χ^2/NDF: 92680.3/19

All: -44.009+/-0.016 χ^2/NDF: 189477.6/41

- sign -43.868+/-0.022 χ^2/NDF: 96713.5/21

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -14.231+/-0.500 χ^2/NDF:18.7/3

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

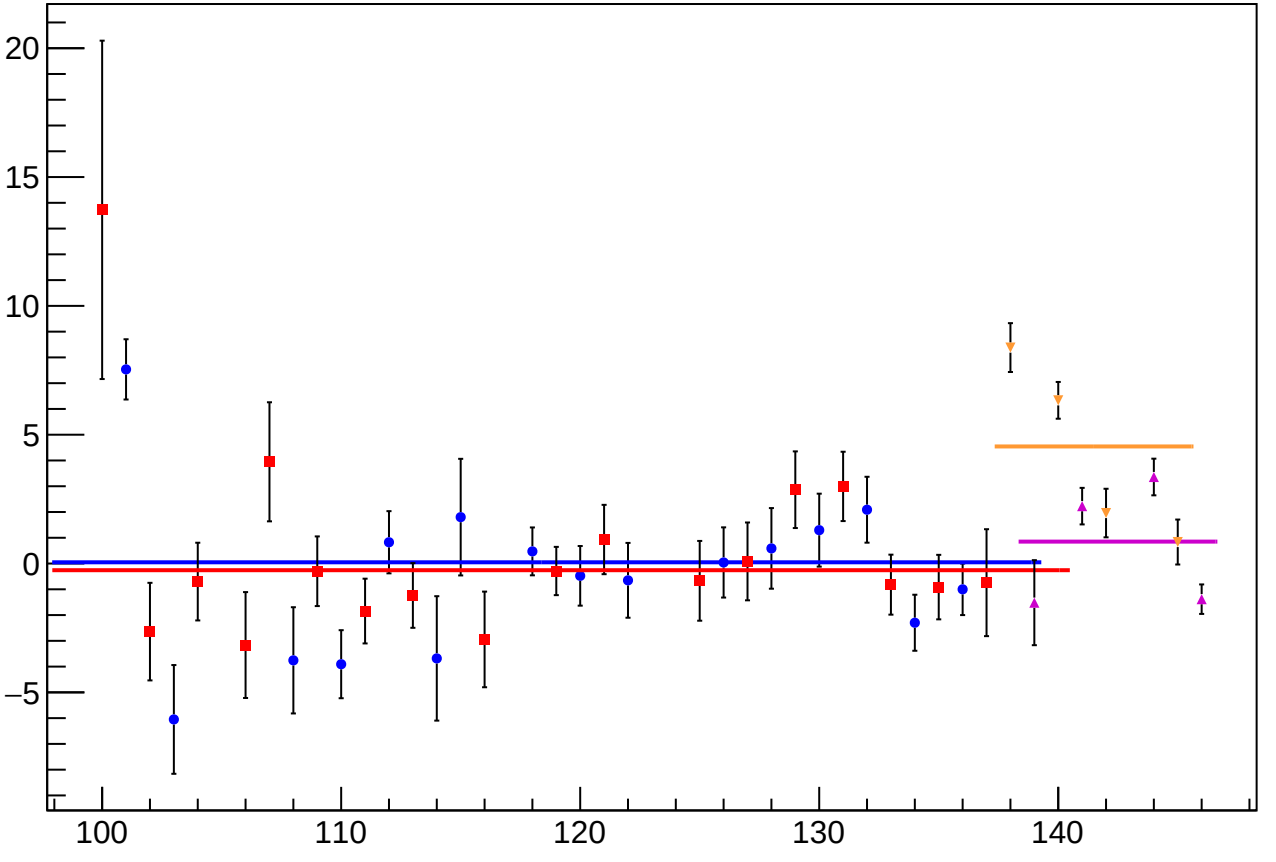
Left In: -7.365+/-0.481 χ^2/NDF:170.6/3

+ sign 1.137+/-0.263 χ^2/NDF: 1479.7/19

All: 2.097+/-0.183 χ^2/NDF: 2583.3/41

- sign 2.988+/-0.253 χ^2/NDF: 1078.0/21

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 4.544+/-0.426 χ^2/NDF:48.3/3

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

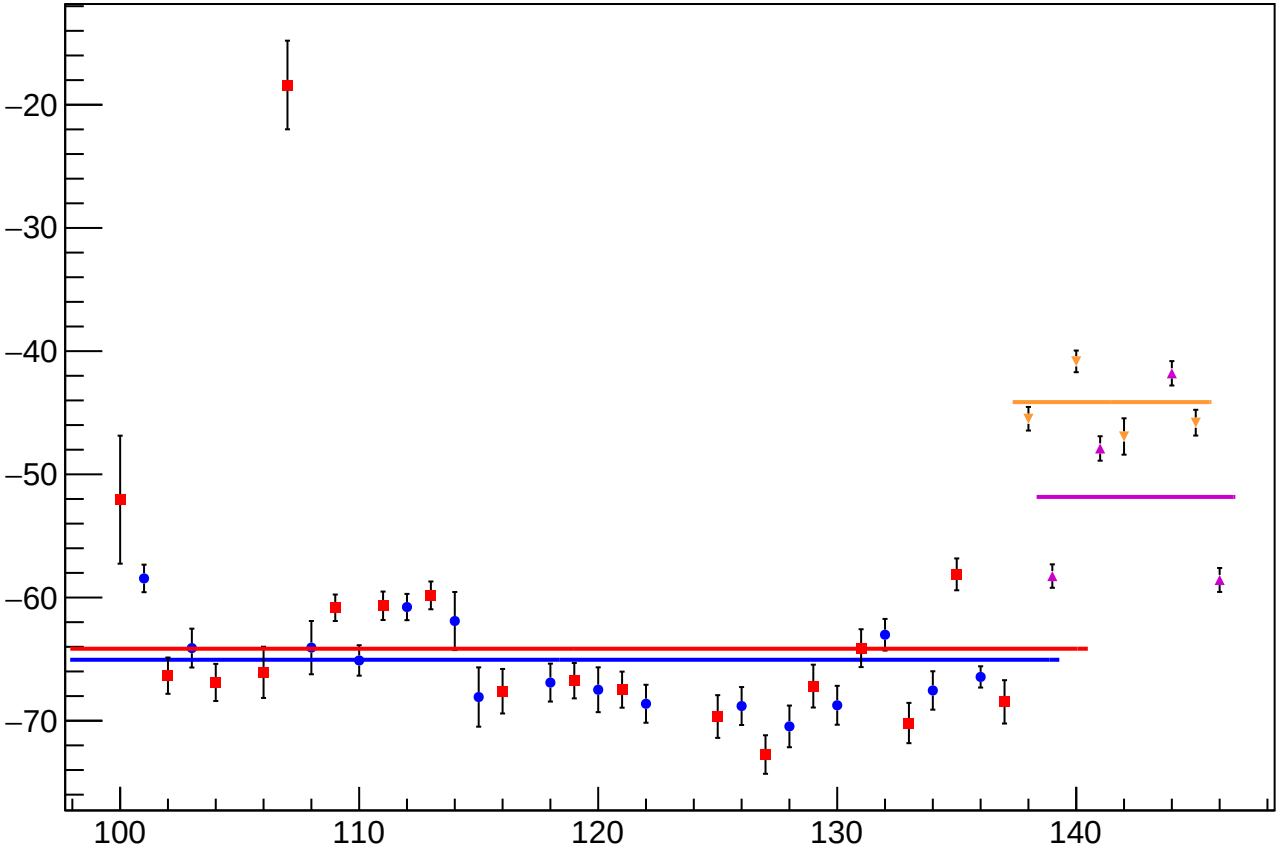
Left In: 0.851+/-0.368 χ^2/NDF:33.5/3

+ sign 1.745+/-0.262 χ^2/NDF: 192.7/19

All: 0.973+/-0.181 χ^2/NDF: 275.3/41

- sign 0.260+/-0.251 χ^2/NDF: 65.9/21

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -44.136+/-0.516 χ^2/NDF:22.3/3

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

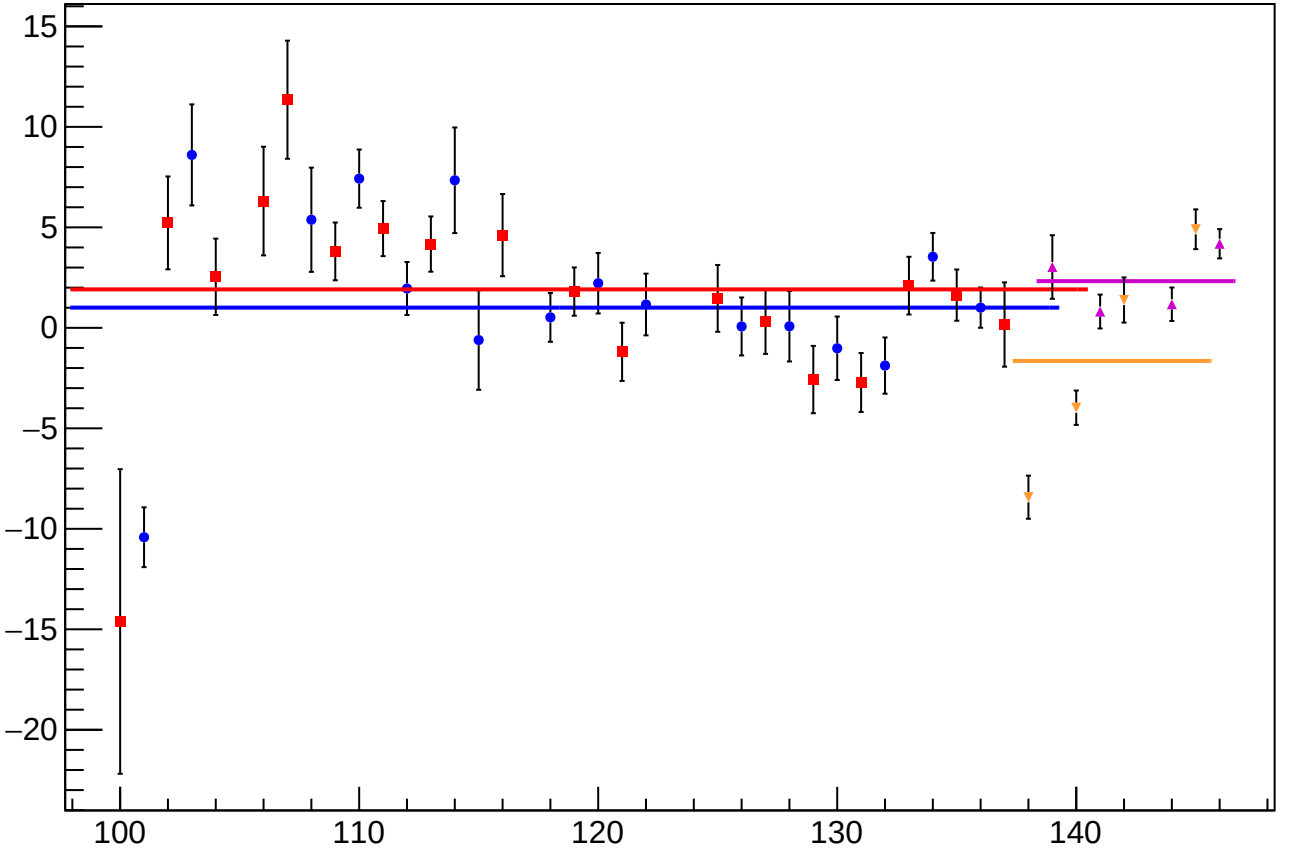
Left In: -51.833+/-0.488 χ^2/NDF:212.1/3

\+ sign -58.357+/-0.292 χ^2/NDF: 1232.3/19

All: -59.086+/-0.206 χ^2/NDF: 2173.1/41

\- sign -59.806+/-0.290 χ^2/NDF: 928.3/21

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -1.645+/-0.497 χ^2/NDF:98.4/3

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

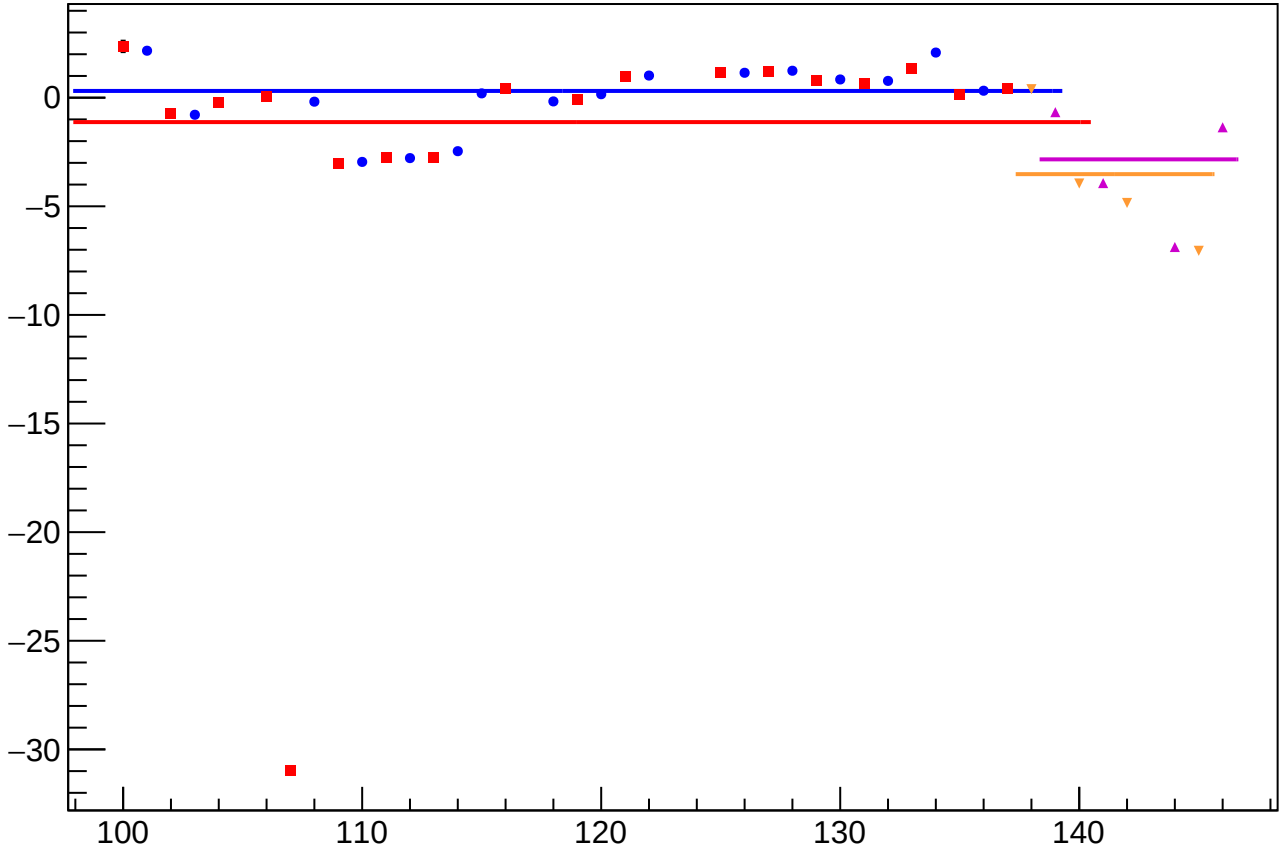
Left In: 2.323+/-0.441 χ^2/NDF:11.9/3

+ sign 0.042+/-0.300 χ^2/NDF: 225.8/19

All: 1.094+/-0.209 χ^2/NDF: 316.7/41

- sign 2.093+/-0.292 χ^2/NDF: 66.8/21

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -3.520+/-0.021 χ^2/NDF:18556.7/3

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

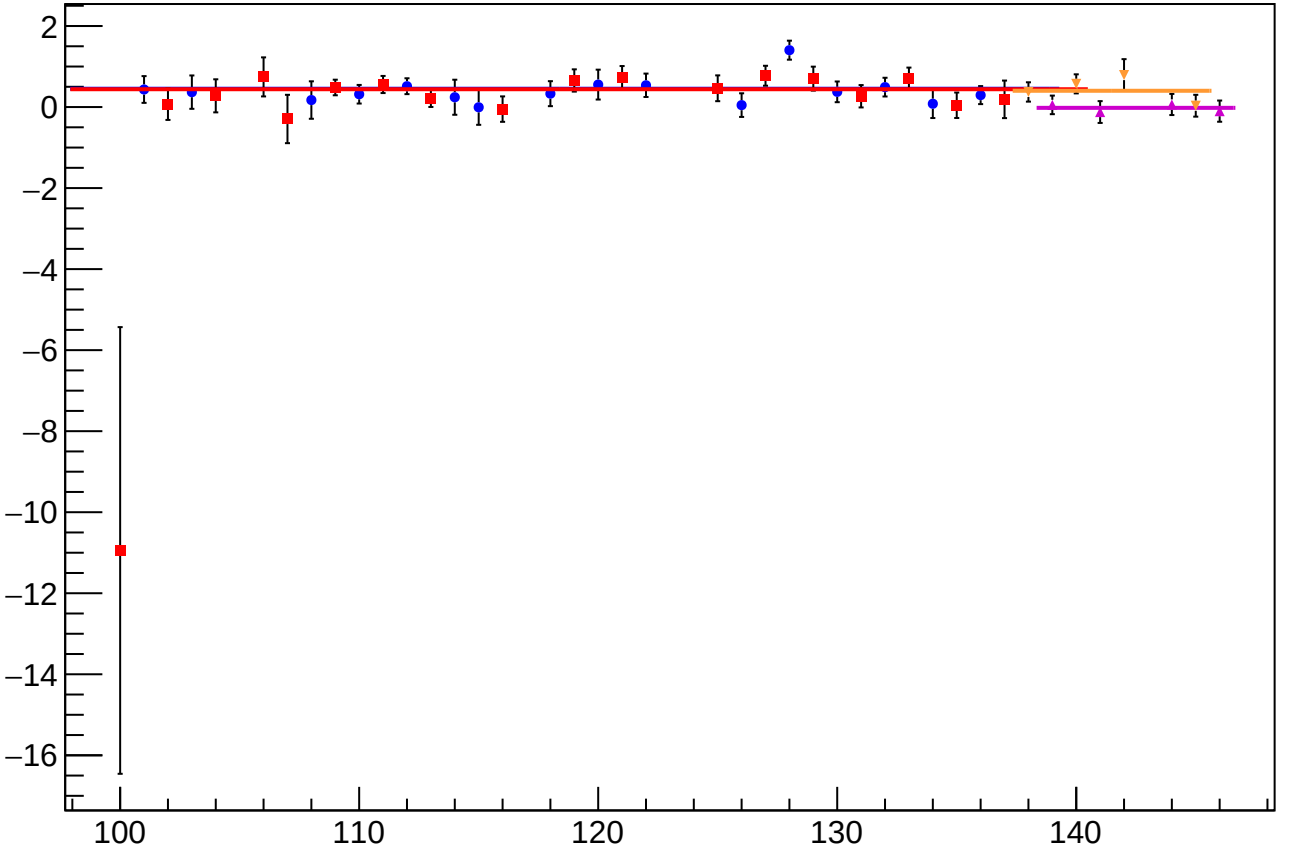
Left In: -2.839+/-0.020 χ^2/NDF:14345.8/3

+ sign -1.589+/-0.015 χ^2/NDF: 39796.4/19

All: -1.838+/-0.011 χ^2/NDF: 104366.3/41

- sign -2.081+/-0.015 χ^2/NDF: 64021.5/21

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.402+/-0.134 χ^2/NDF:3.4/3

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

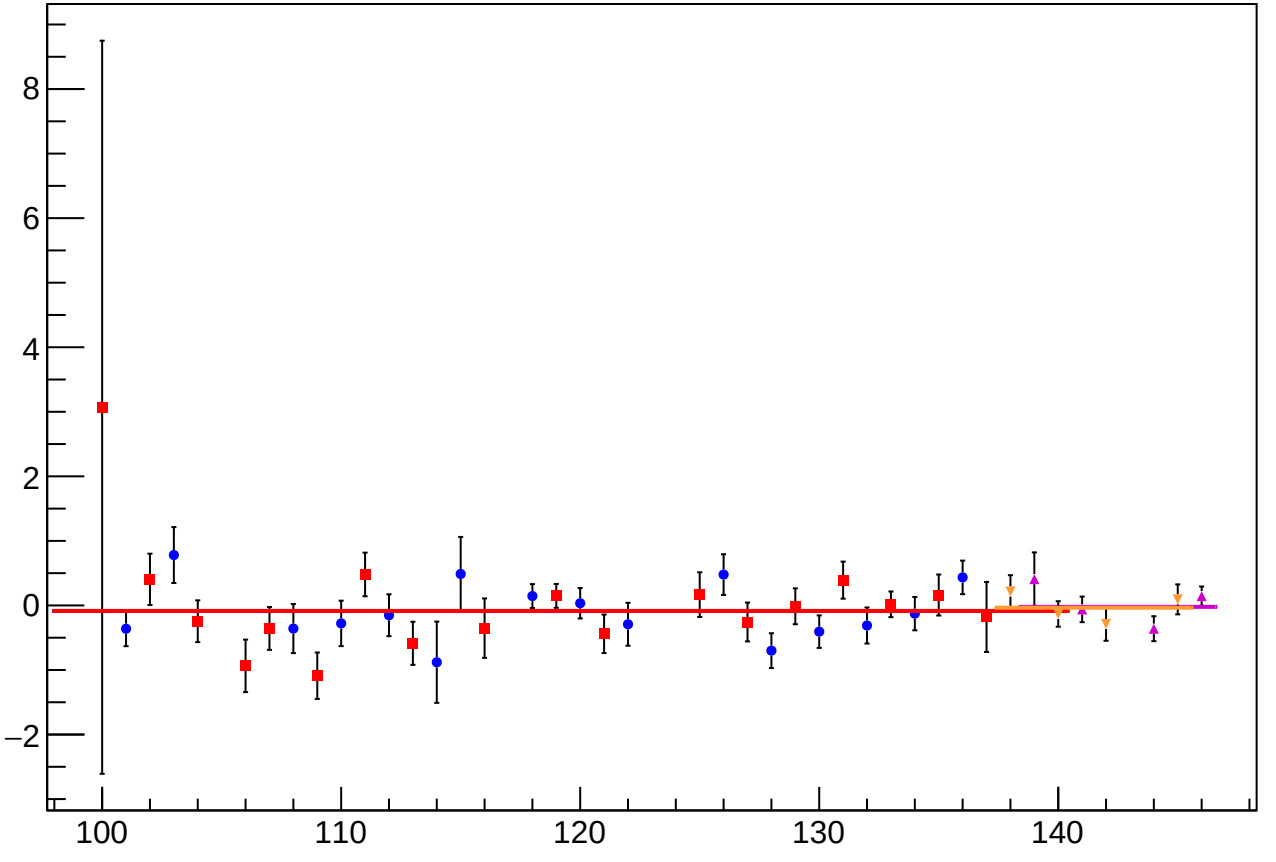
Left In: -0.020+/-0.127 χ^2/NDF:0.4/3

+ sign 0.441+/-0.063 χ^2/NDF: 26.1/19

All: 0.386+/-0.044 χ^2/NDF: 56.7/41

- sign 0.333+/-0.061 χ^2/NDF: 29.1/21

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: -0.035+/-0.116 χ^2/NDF:2.5/3

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

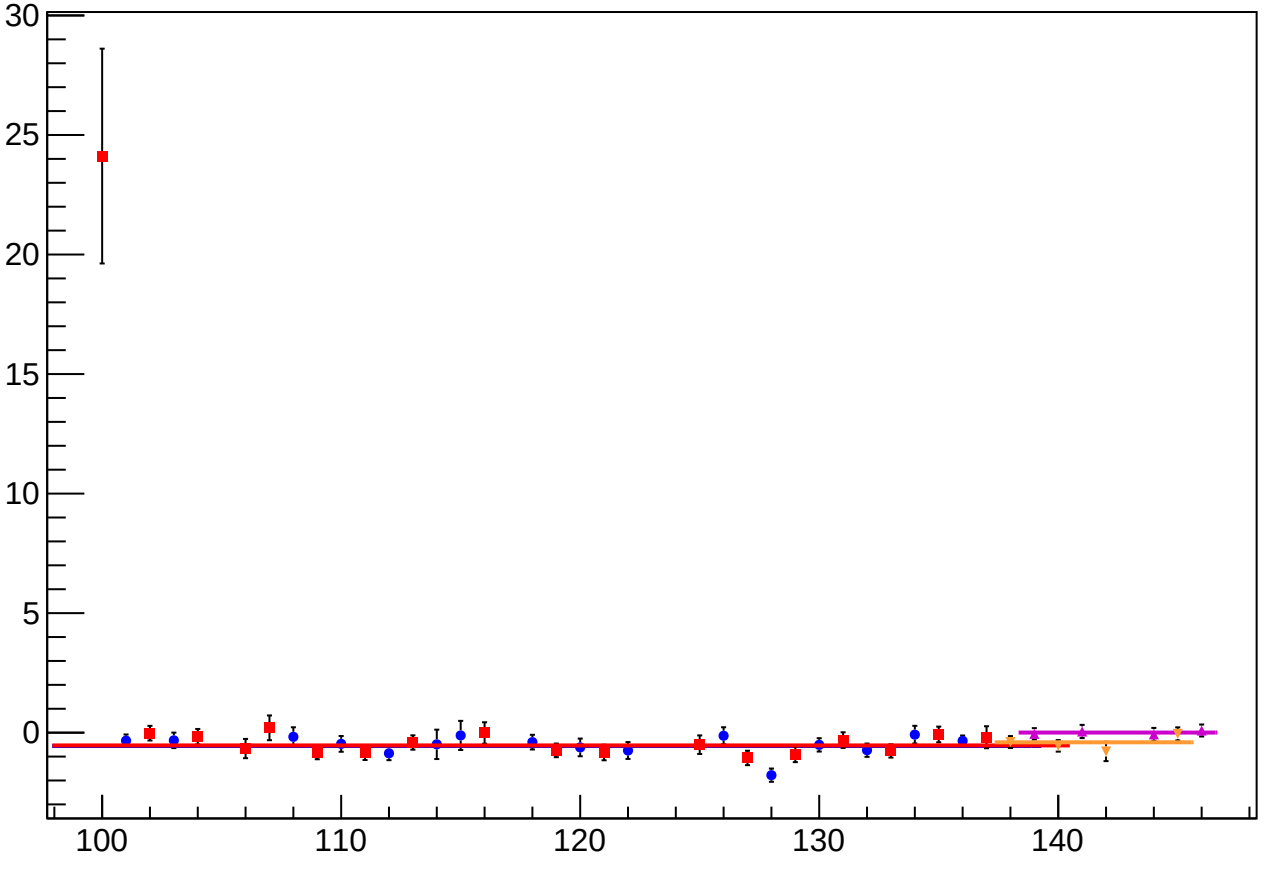
Left In: -0.022+/-0.098 χ^2/NDF:5.4/3

+ sign -0.072+/-0.062 χ^2/NDF: 28.0/19

All: -0.067+/-0.043 χ^2/NDF: 61.6/41

- sign -0.063+/-0.059 χ^2/NDF: 33.6/21

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.403+/-0.138 χ^2/NDF:2.9/3

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

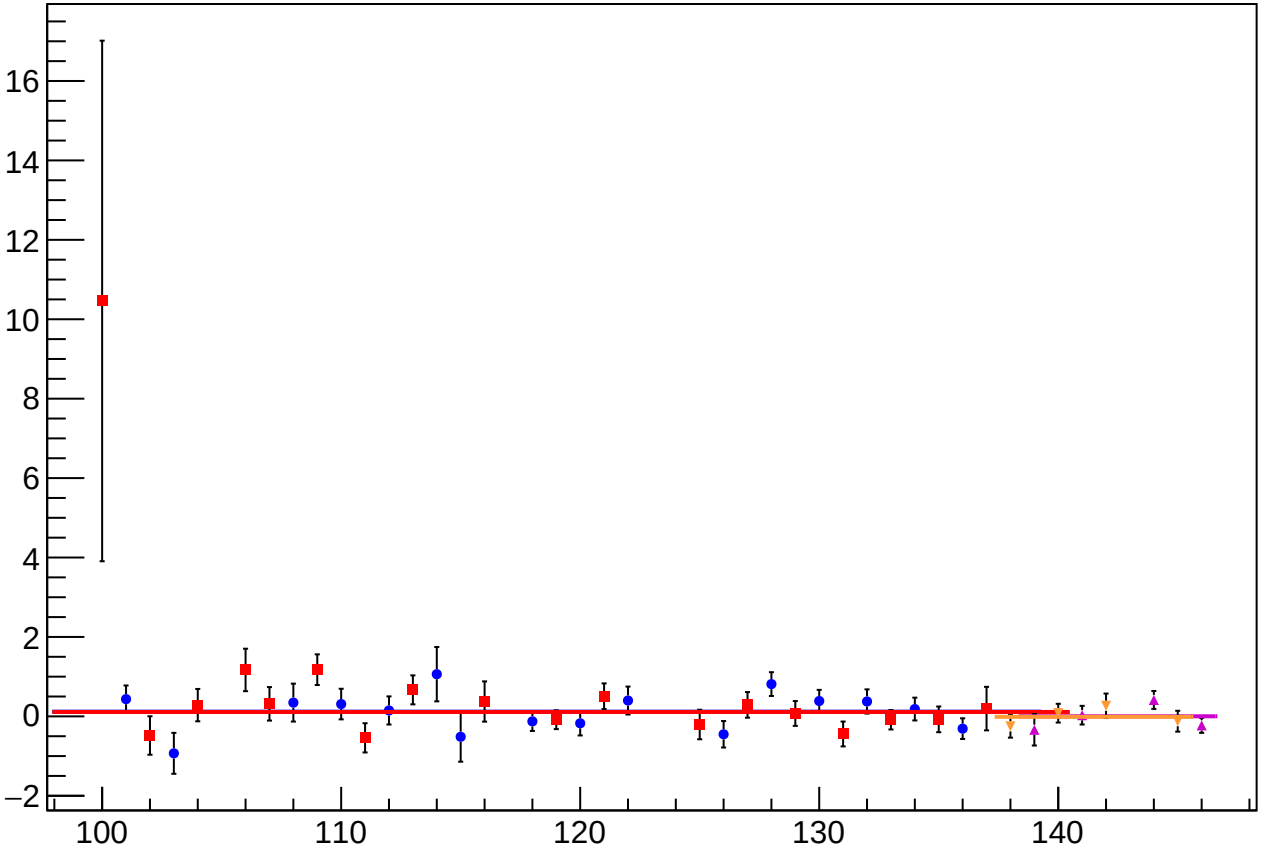
Left In: 0.004+/-0.129 χ^2/NDF:0.3/3

+ sign -0.520+/-0.069 χ^2/NDF: 32.2/19

All: -0.450+/-0.049 χ^2/NDF: 96.2/41

- sign -0.382+/-0.068 χ^2/NDF: 62.0/21

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.011+/-0.134 χ^2/NDF:1.8/3

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

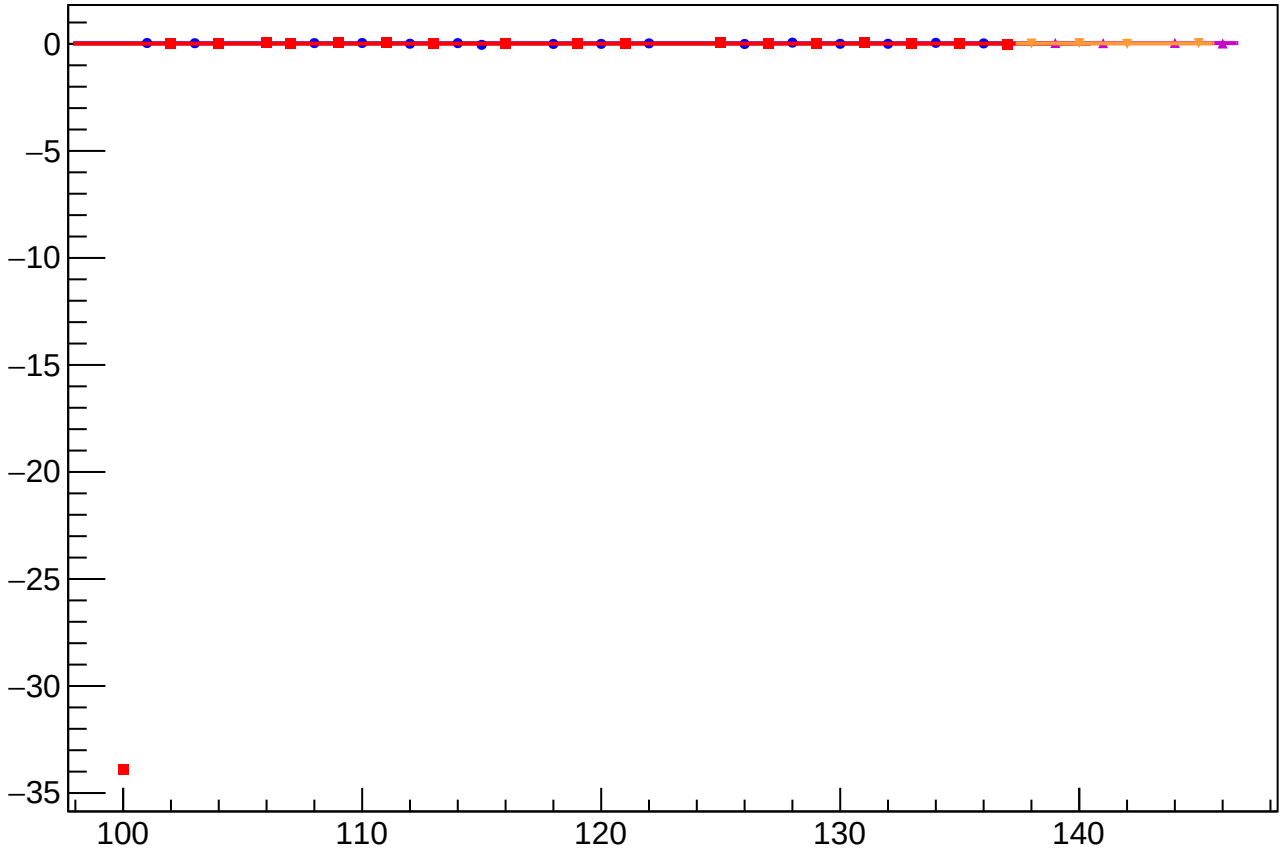
Left In: 0.002+/-0.118 χ^2/NDF:5.5/3

+ sign 0.082+/-0.071 χ^2/NDF: 26.1/19

All: 0.078+/-0.049 χ^2/NDF: 61.2/41

- sign 0.074+/-0.069 χ^2/NDF: 35.1/21

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.025+/-0.006 χ^2/NDF:5.2/3

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

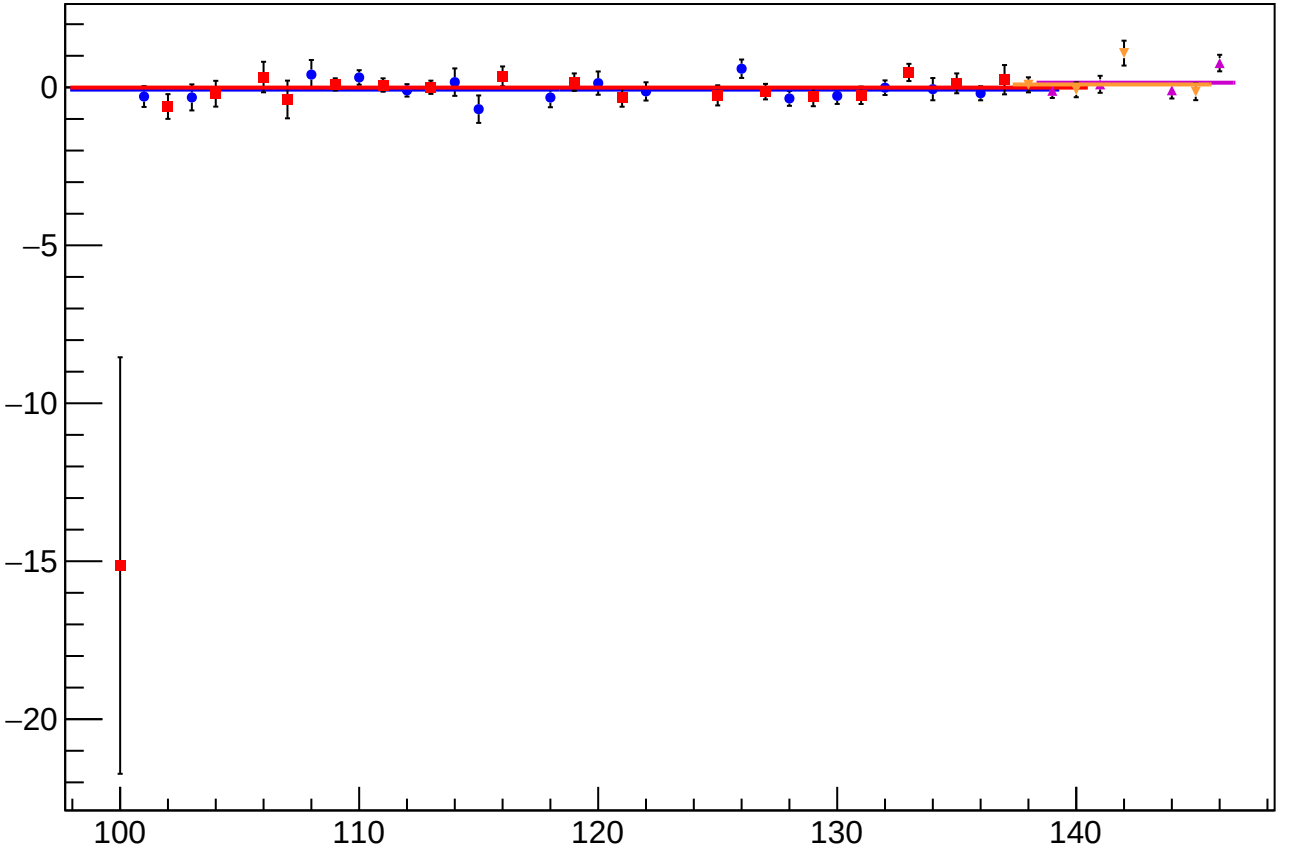
Left In: 0.037+/-0.005 χ^2/NDF:3.5/3

+ sign 0.026+/-0.004 χ^2/NDF: 20.0/19

All: 0.025+/-0.003 χ^2/NDF: 22298.4/41

- sign 0.024+/-0.004 χ^2/NDF: 22278.1/21

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.092+/-0.134 χ^2/NDF:7.6/3

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

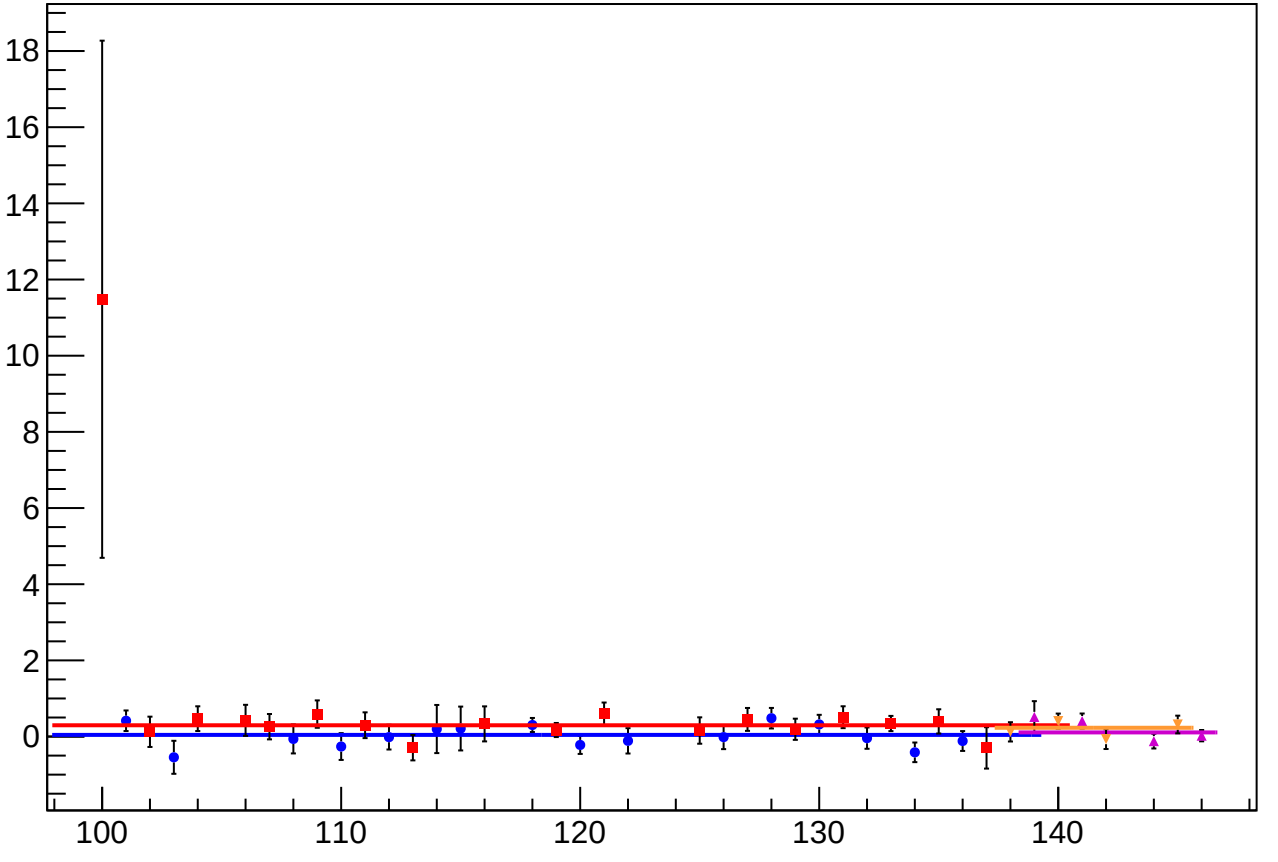
Left In: 0.148+/-0.127 χ^2/NDF:7.8/3

+ sign -0.034+/-0.063 χ^2/NDF: 24.2/19

All: -0.002+/-0.044 χ^2/NDF: 51.8/41

- sign 0.029+/-0.061 χ^2/NDF: 27.1/21

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.231+/-0.116 χ^2/NDF:2.4/3

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

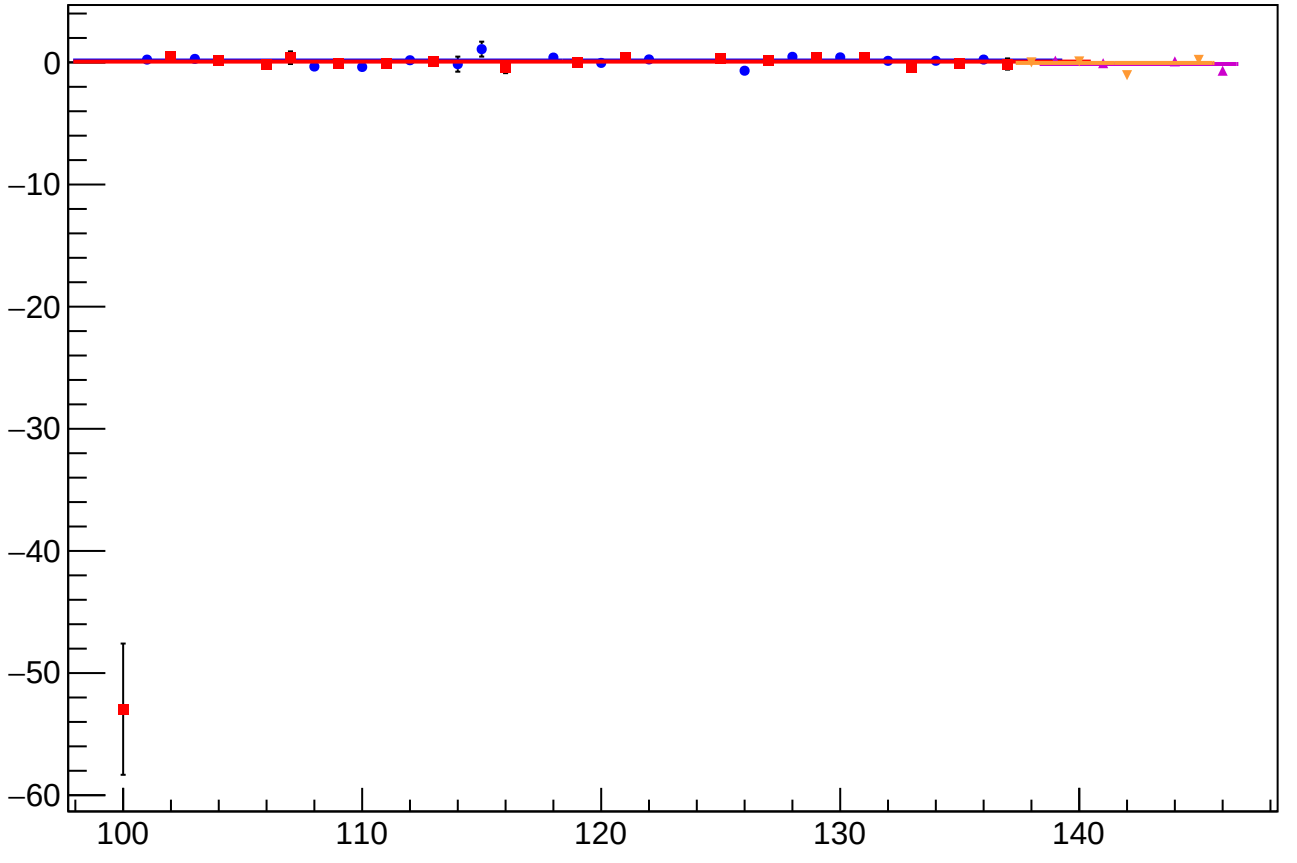
Left In: 0.109+/-0.098 χ^2/NDF:5.0/3

+ sign 0.097+/-0.062 χ^2/NDF: 20.0/19

All: 0.166+/-0.043 χ^2/NDF: 40.7/41

- sign 0.229+/-0.059 χ^2/NDF: 18.3/21

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.043+/-0.138 χ^2/NDF:7.2/3

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

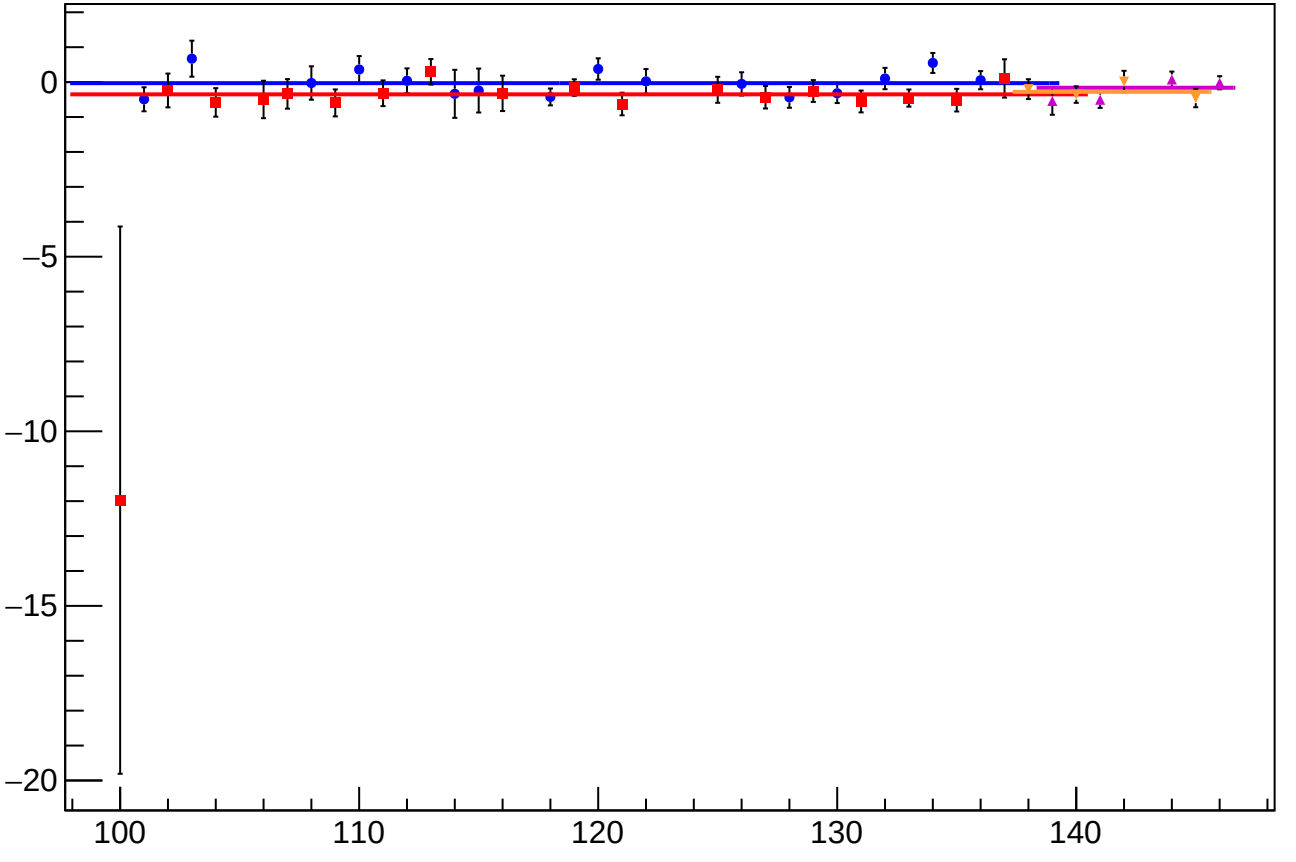
Left In: -0.132+/-0.129 χ^2/NDF:6.8/3

+ sign 0.104+/-0.069 χ^2/NDF: 24.3/19

All: 0.057+/-0.049 χ^2/NDF: 143.1/41

- sign 0.010+/-0.068 χ^2/NDF: 117.8/21

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.279+/-0.134 χ^2/NDF:1.5/3

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

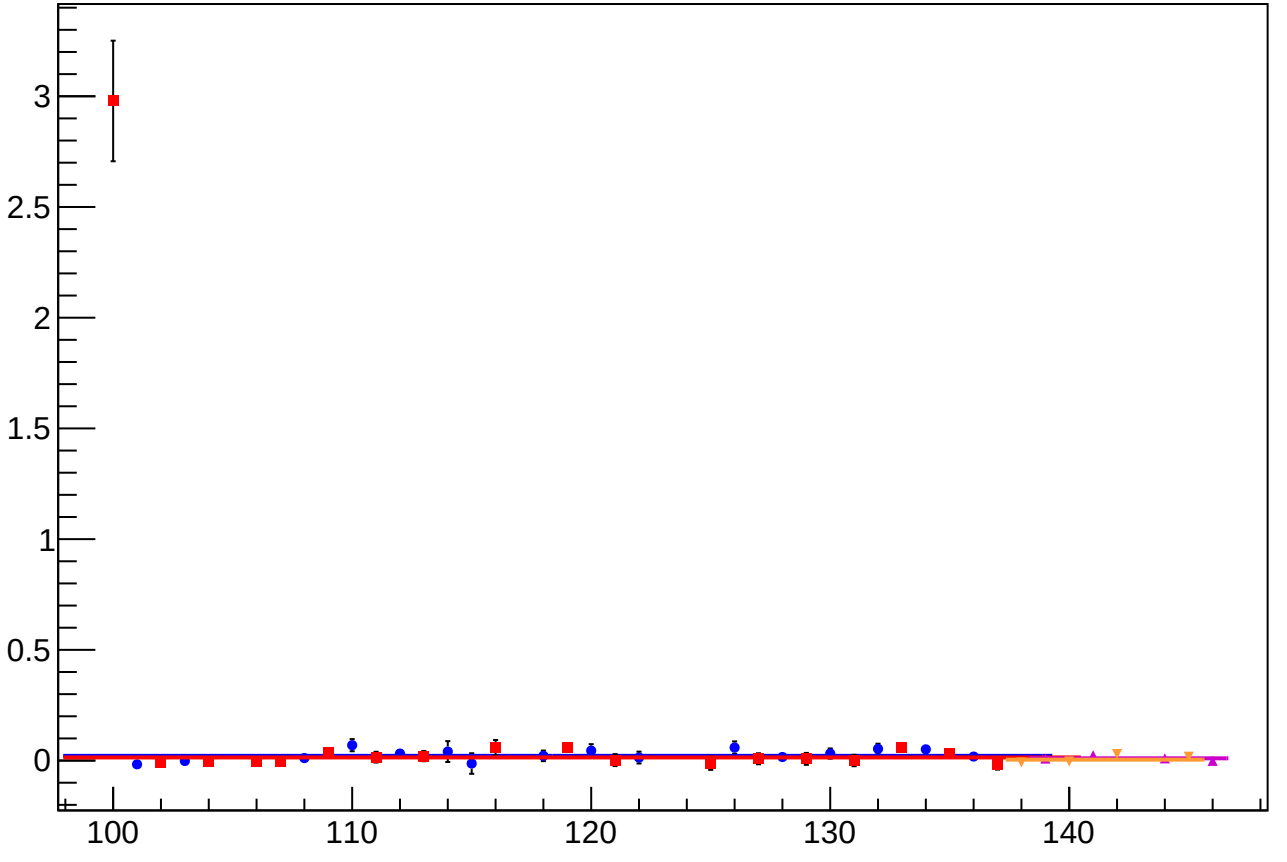
Left In: -0.161+/-0.118 χ^2/NDF:4.7/3

+ sign -0.100+/-0.071 χ^2/NDF: 20.8/19

All: -0.196+/-0.049 χ^2/NDF: 40.2/41

- sign -0.286+/-0.069 χ^2/NDF: 15.8/21

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.004+/-0.006 χ^2/NDF:6.0/3

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

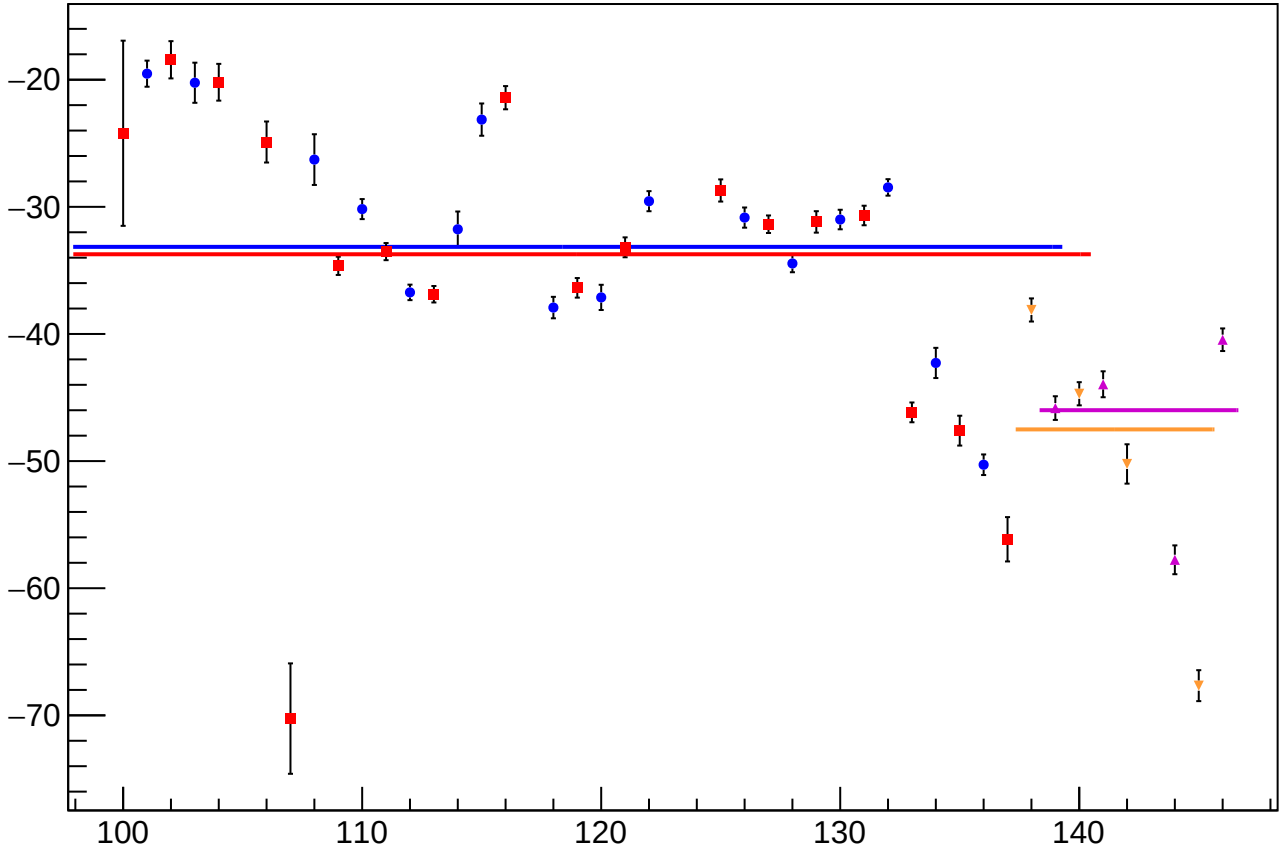
Left In: 0.010+/-0.005 χ^2/NDF:2.7/3

+ sign 0.014+/-0.004 χ^2/NDF: 33.8/19

All: 0.013+/-0.003 χ^2/NDF: 177.9/41

- sign 0.012+/-0.004 χ^2/NDF: 144.0/21

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -47.507+/-0.534 χ^2/NDF:393.4/3

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

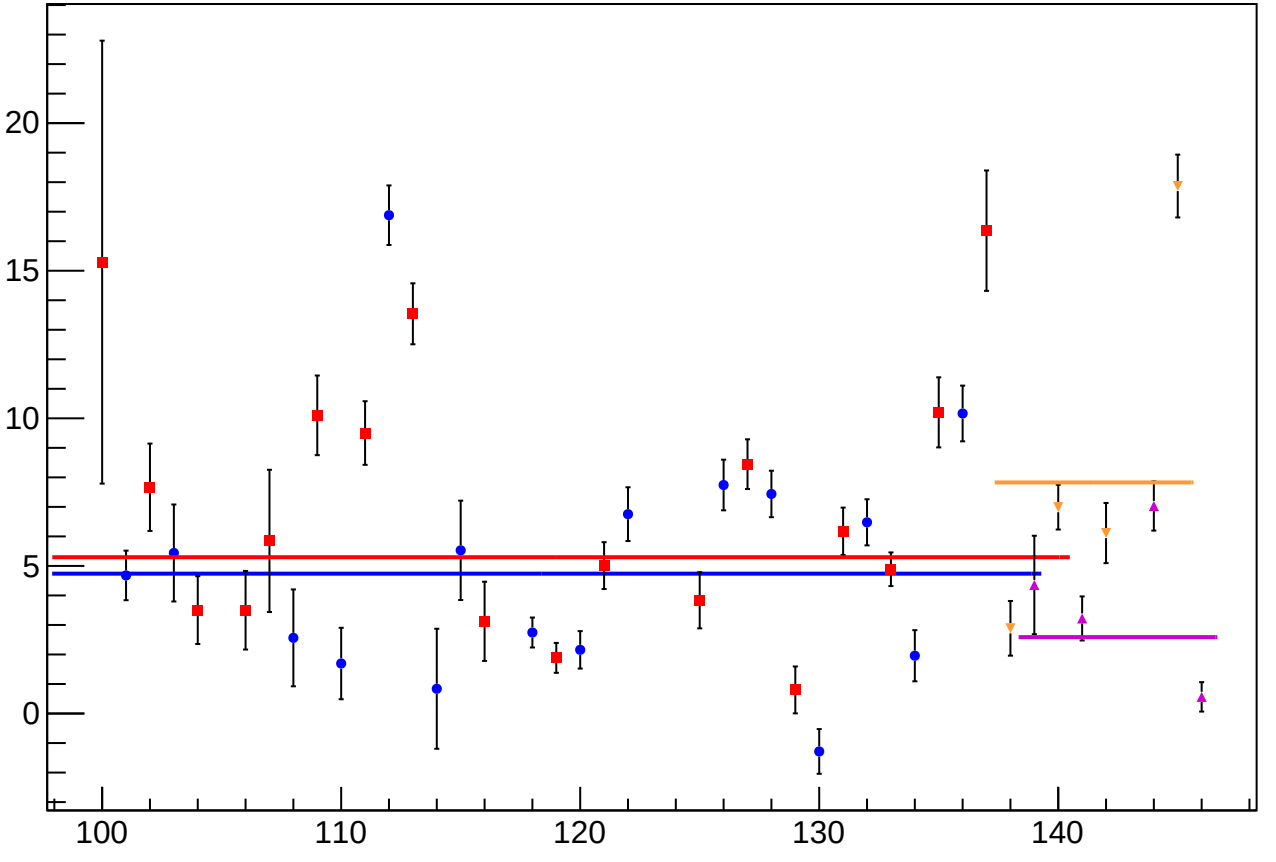
Left In: -45.996+/-0.491 χ^2/NDF:150.6/3

+ sign -35.198+/-0.202 χ^2/NDF: 2026.8/19

All: -35.457+/-0.141 χ^2/NDF: 3853.5/41

- sign -35.705+/-0.197 χ^2/NDF: 1823.5/21

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 7.828+/-0.459 χ^2/NDF:121.6/3

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

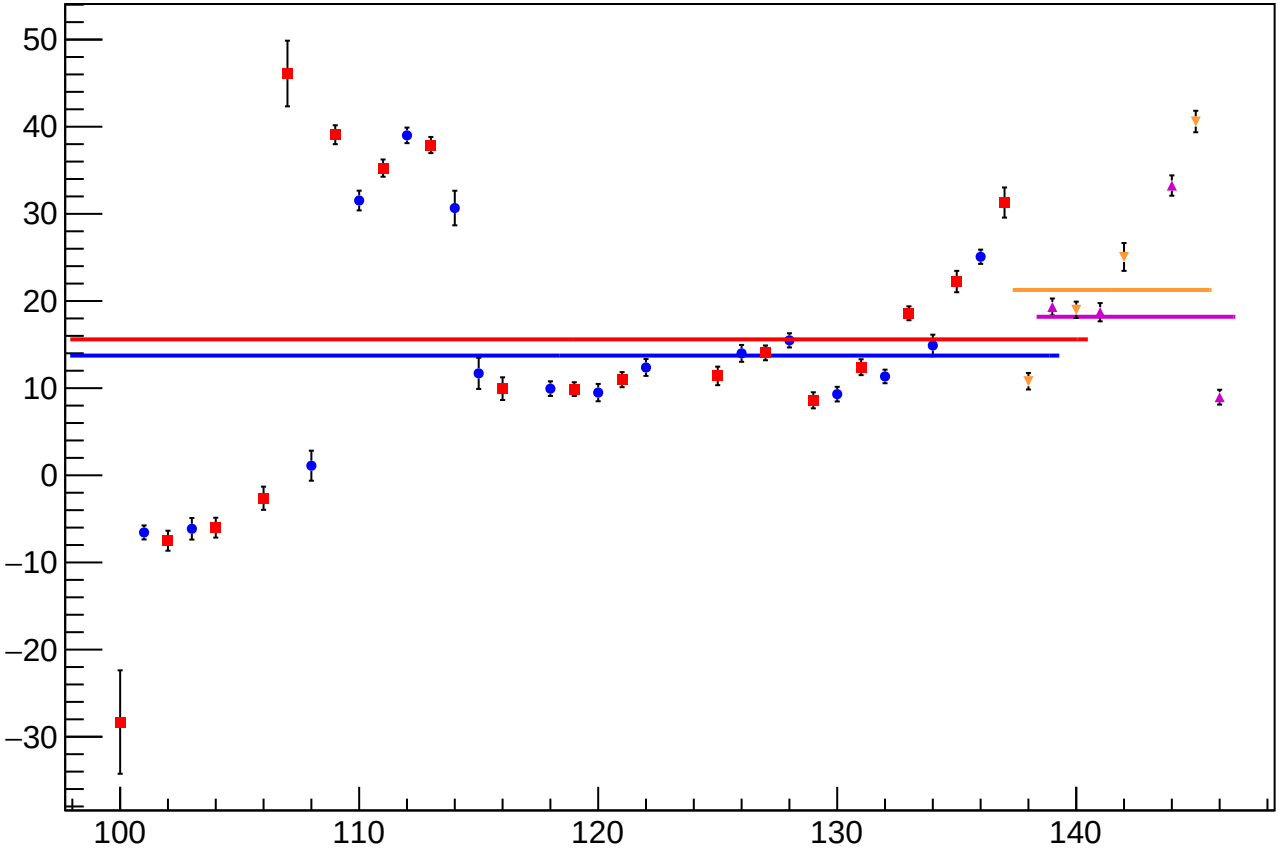
Left In: 2.589+/-0.362 χ^2/NDF:46.6/3

+ sign 5.313+/-0.198 χ^2/NDF: 488.1/19

All: 4.917+/-0.137 χ^2/NDF: 827.9/41

- sign 4.550+/-0.190 χ^2/NDF: 332.1/21

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 21.269+/-0.551 χ^2/NDF:379.2/3

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

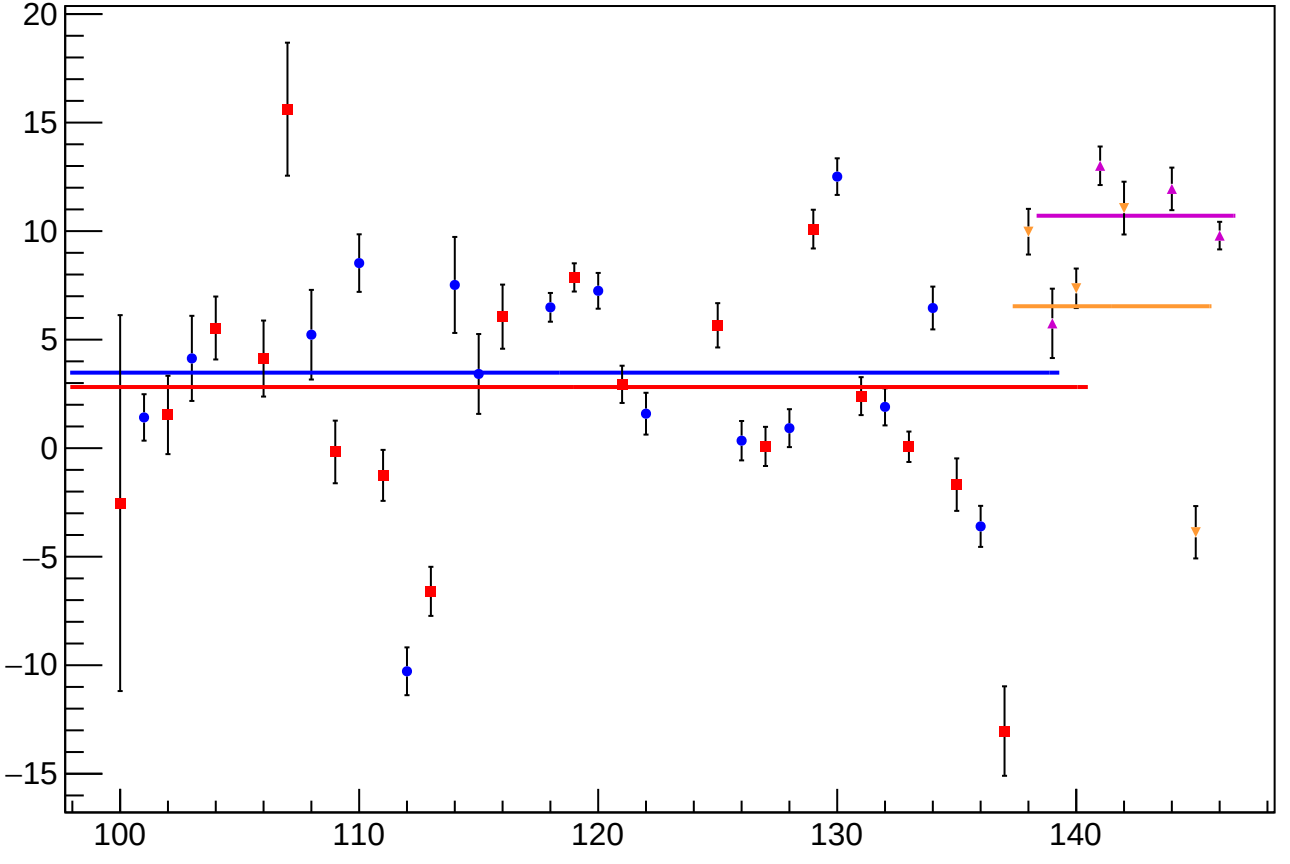
Left In: 18.193+/-0.495 χ^2/NDF:285.4/3

\+ sign 14.997+/-0.225 χ^2/NDF: 2884.9/19

All: 15.567+/-0.159 χ^2/NDF: 6031.2/41

\- sign 16.127+/-0.223 χ^2/NDF: 3133.6/21

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 6.539+/-0.537 χ^2/NDF:99.8/3

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

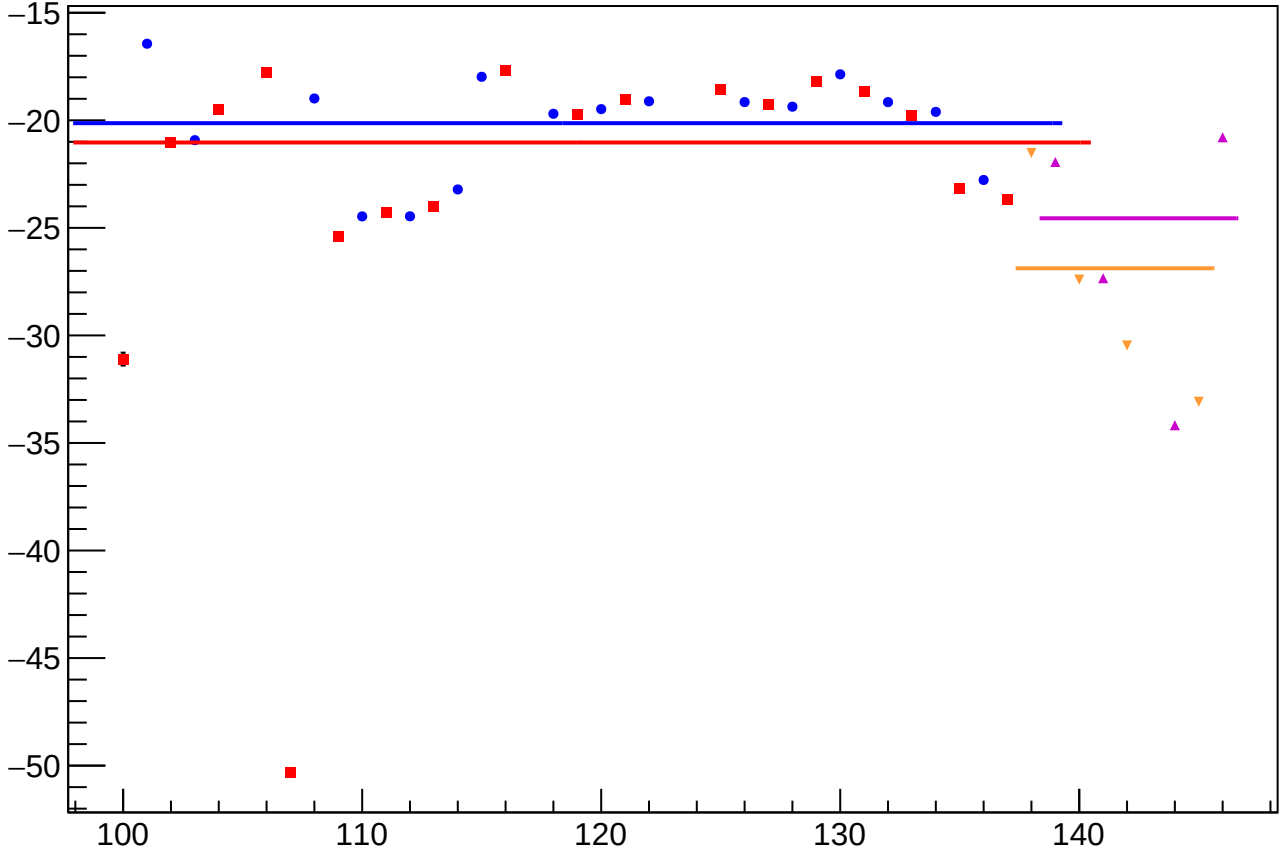
Left In: 10.708+/-0.439 χ^2/NDF:20.0/3

+ sign 4.038+/-0.229 χ^2/NDF: 554.0/19

All: 4.448+/-0.160 χ^2/NDF: 1165.7/41

- sign 4.831+/-0.222 χ^2/NDF: 605.5/21

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -26.879+/-0.023 χ^2/NDF:39617.9/3

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

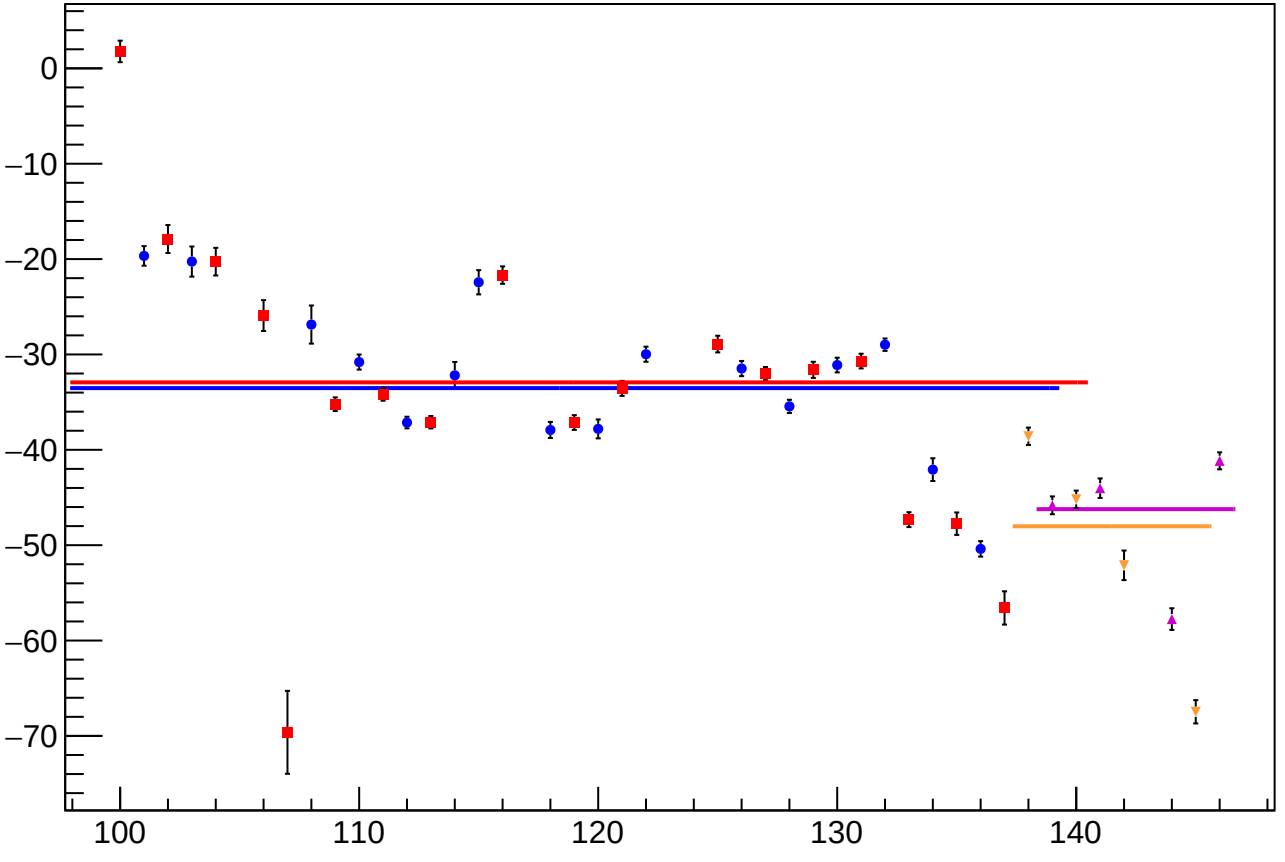
Left In: -24.556+/-0.020 χ^2/NDF:54249.7/3

+ sign -22.368+/-0.013 χ^2/NDF: 118232.6/19

All: -22.412+/-0.009 χ^2/NDF: 248540.8/41

- sign -22.452+/-0.013 χ^2/NDF: 130287.0/21

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -48.020+/-0.535 χ^2/NDF:378.0/3

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

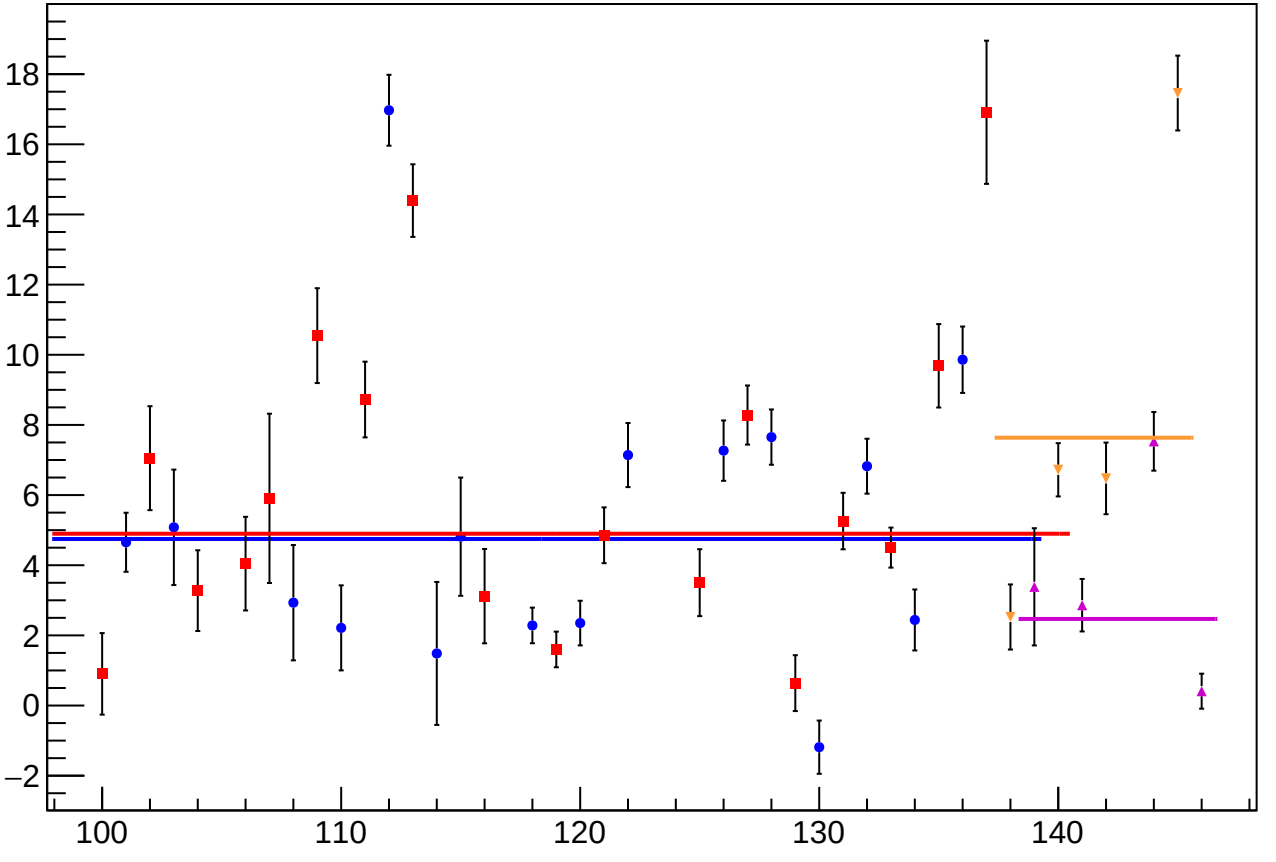
Left In: -46.220+/-0.492 χ^2/NDF:140.2/3

+ sign -35.598+/-0.202 χ^2/NDF: 2015.3/19

All: -35.292+/-0.140 χ^2/NDF: 4946.7/41

- sign -35.009+/-0.194 χ^2/NDF: 2927.0/21

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 7.636+/-0.460 χ^2/NDF:117.9/3

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

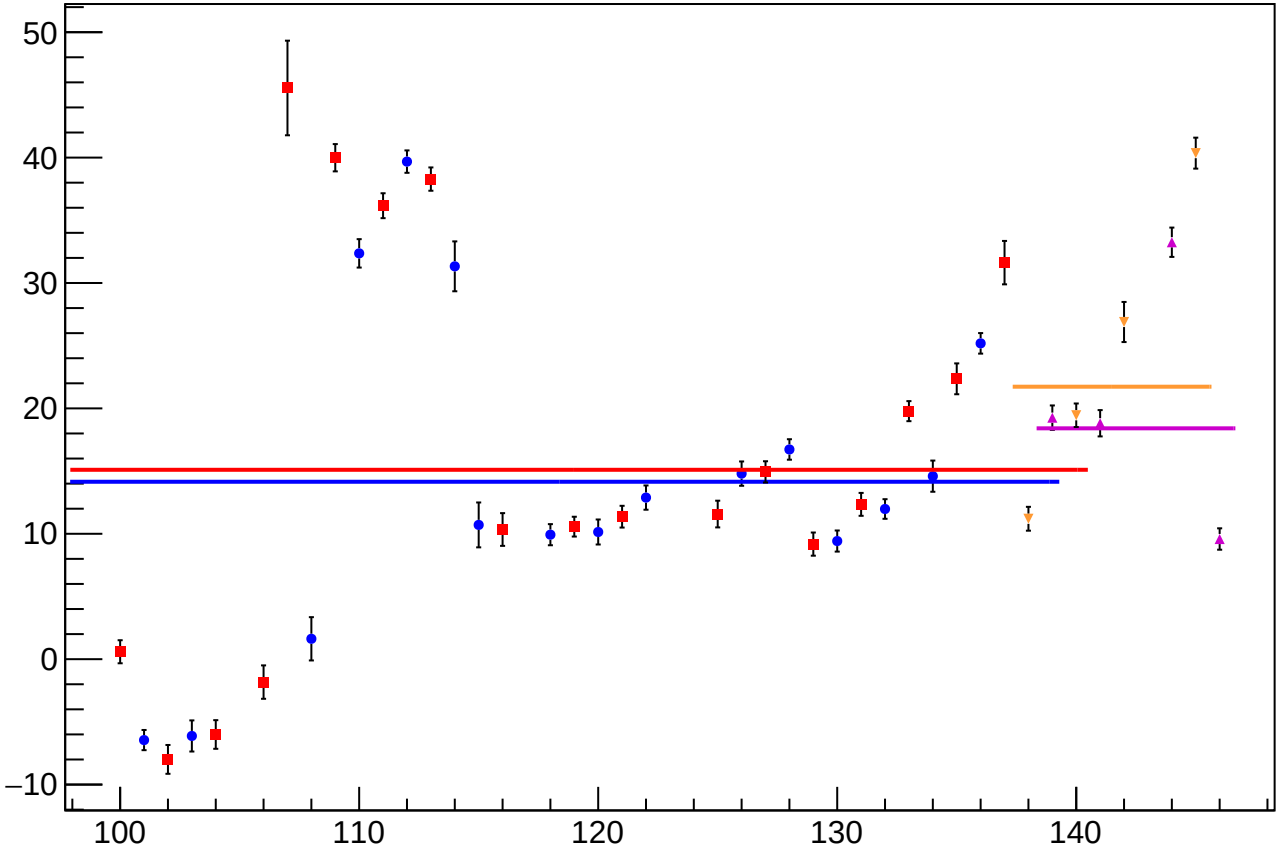
Left In: 2.469+/-0.363 χ^2/NDF:54.3/3

+ sign 5.285+/-0.198 χ^2/NDF: 475.8/19

All: 4.739+/-0.136 χ^2/NDF: 850.3/41

- sign 4.246+/-0.188 χ^2/NDF: 360.1/21

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 21.730+/-0.552 χ^2/NDF:366.4/3

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

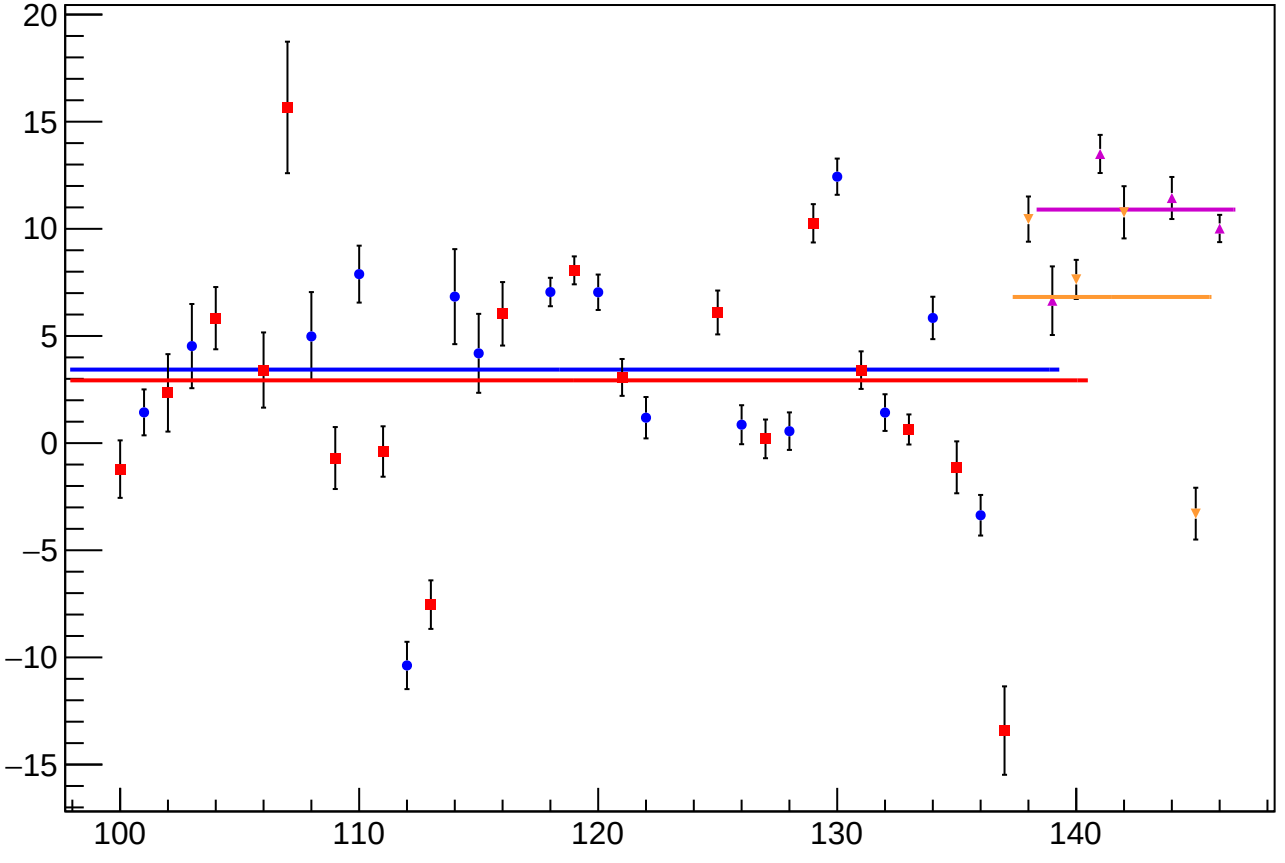
Left In: 18.409+/-0.496 χ^2/NDF:269.2/3

\+ sign 15.418+/-0.226 χ^2/NDF: 2926.1/19

All: 15.584+/-0.157 χ^2/NDF: 6334.5/41

\- sign 15.739+/-0.217 χ^2/NDF: 3407.4/21

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 6.820+/-0.538 χ^2/NDF:93.1/3

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

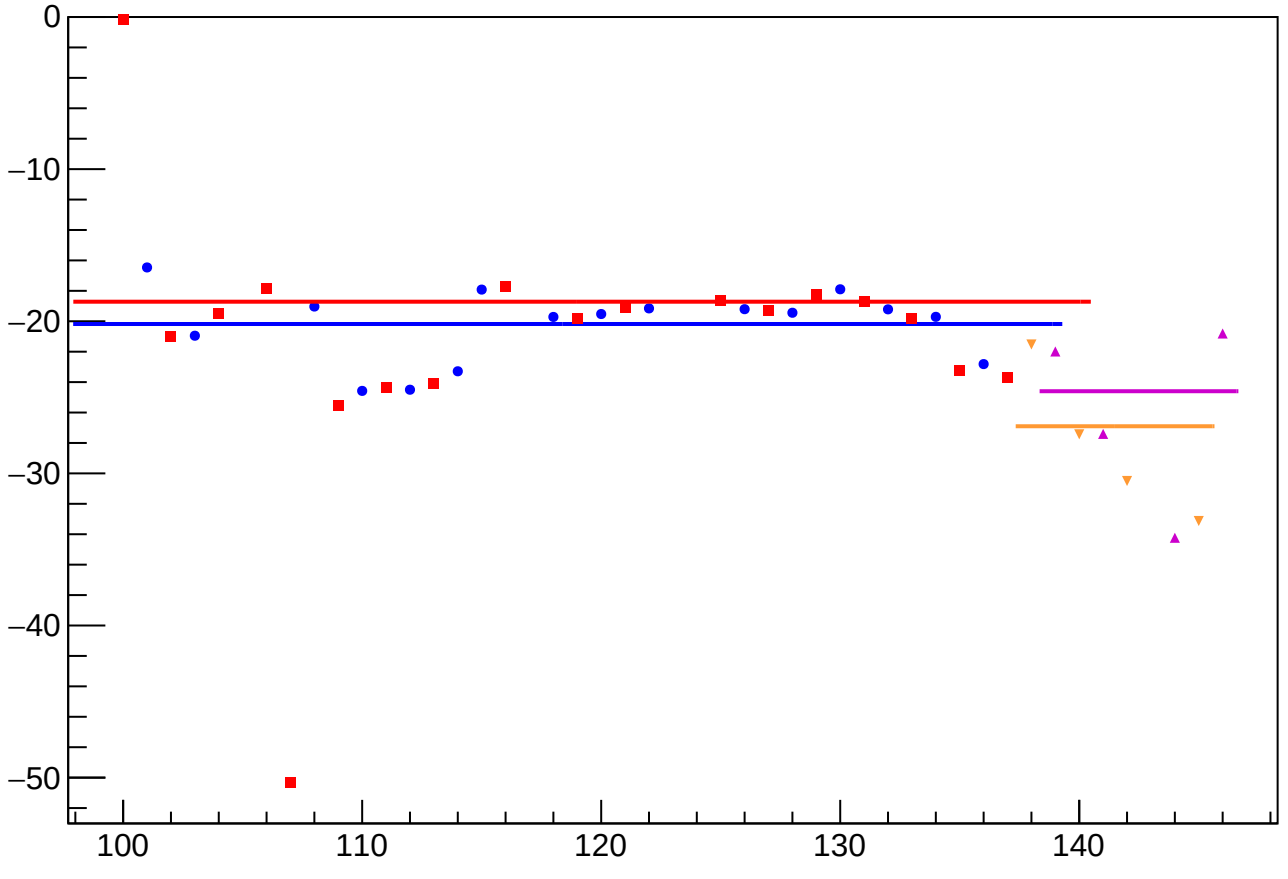
Left In: 10.898+/-0.440 χ^2/NDF:17.8/3

+ sign 4.051+/-0.230 χ^2/NDF: 549.6/19

All: 4.501+/-0.159 χ^2/NDF: 1188.7/41

- sign 4.912+/-0.220 χ^2/NDF: 631.8/21

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -26.902+/-0.023 χ^2/NDF:39710.3/3

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

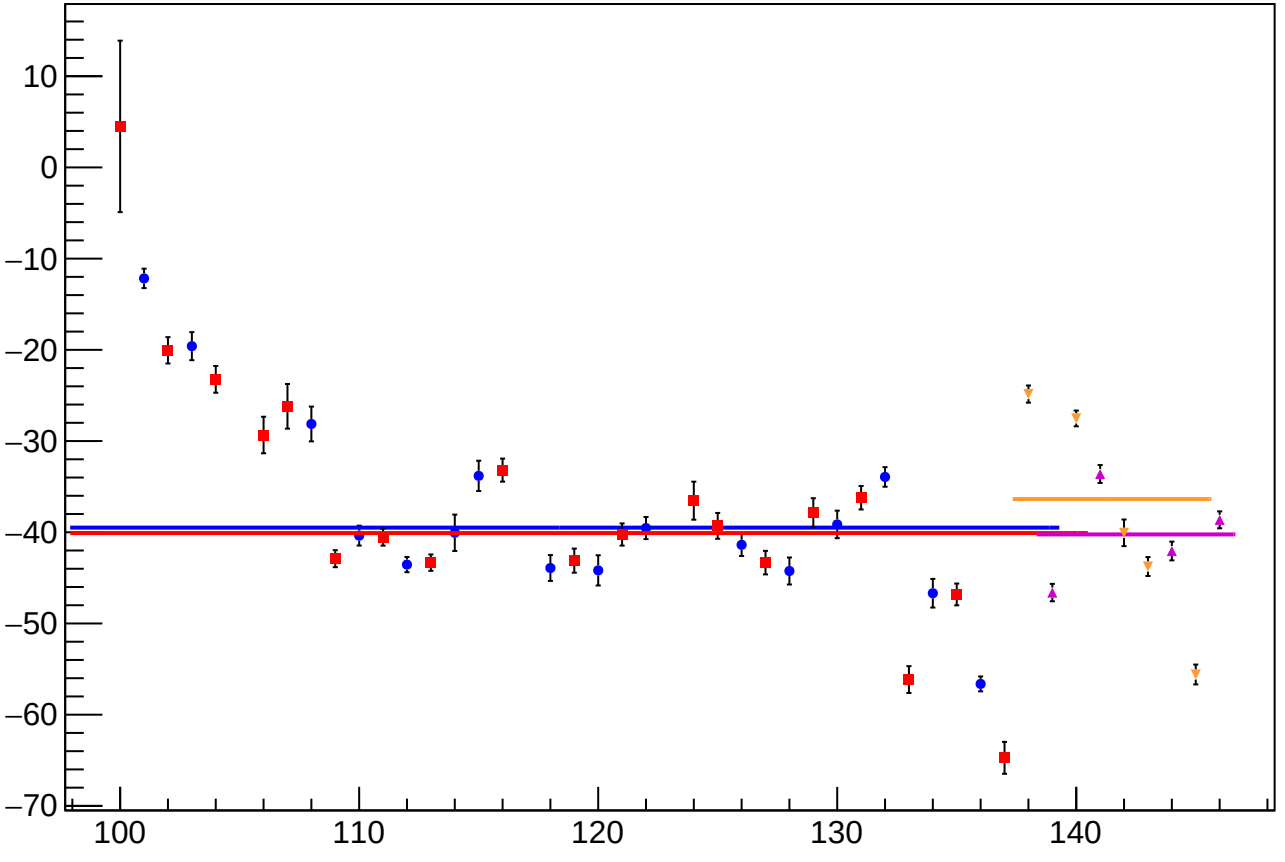
Left In: -24.599+/-0.020 χ^2/NDF:54348.4/3

+ sign -22.409+/-0.013 χ^2/NDF: 117708.7/19

All: -21.620+/-0.009 χ^2/NDF: 467264.6/41

- sign -20.927+/-0.012 χ^2/NDF: 342763.9/21

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -36.363+/-0.461 χ^2/NDF:623.8/4

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

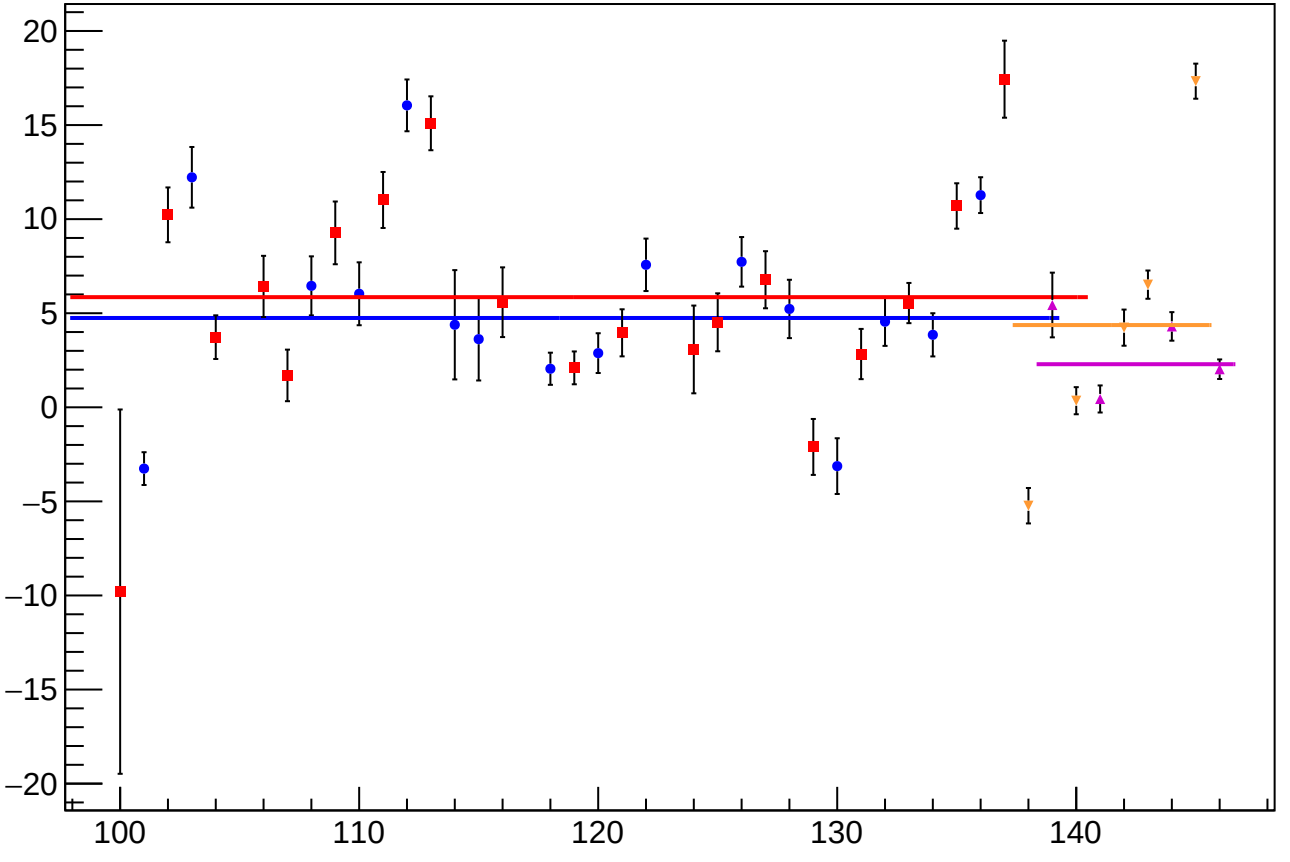
Left In: -40.235+/-0.486 χ^2/NDF:96.2/3

+ sign -38.514+/-0.258 χ^2/NDF: 2072.6/20

All: -39.316+/-0.183 χ^2/NDF: 3023.3/43

- sign -40.131+/-0.260 χ^2/NDF: 931.1/22

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 4.371+/-0.376 χ^2/NDF:336.5/4

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

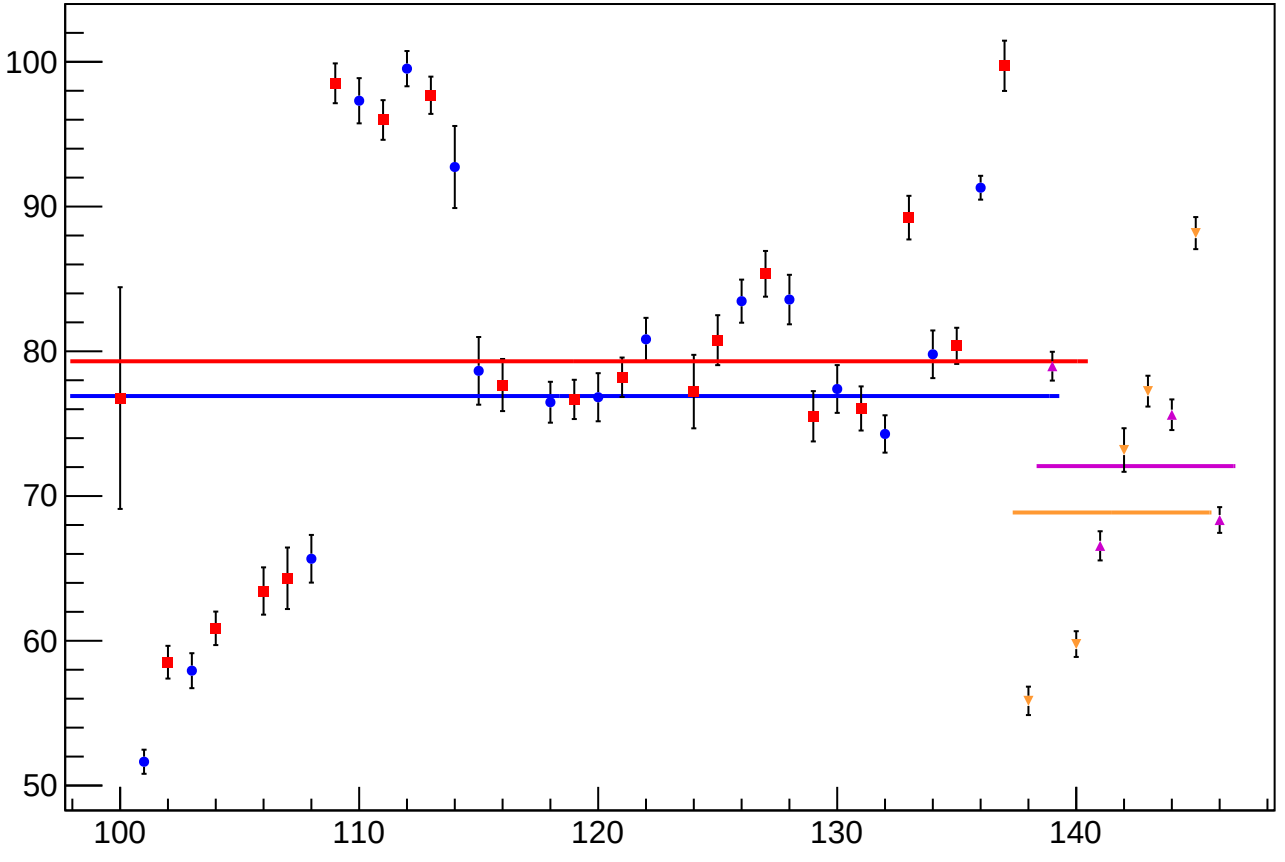
Left In: 2.291+/-0.360 χ^2/NDF:17.2/3

\+ sign 4.592+/-0.242 χ^2/NDF: 610.9/20

All: 4.426+/-0.171 χ^2/NDF: 870.8/43

\- sign 4.261+/-0.241 χ^2/NDF: 259.0/22

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 68.863+/-0.475 χ^2/NDF:653.9/4

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

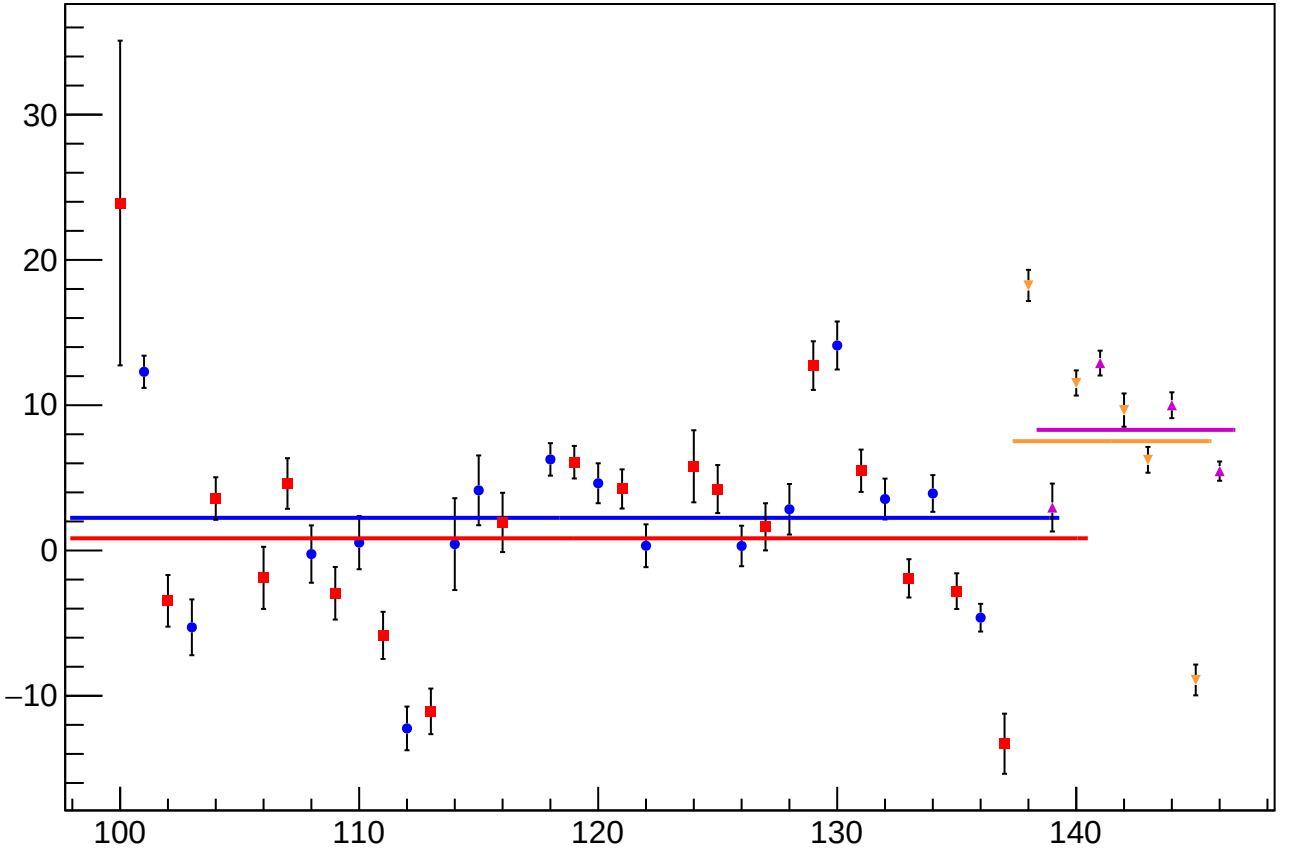
Left In: 72.069+/-0.491 χ^2/NDF:106.7/3

+ sign 74.214+/-0.275 χ^2/NDF: 2961.0/20

All: 75.508+/-0.197 χ^2/NDF: 4754.9/43

- sign 76.890+/-0.284 χ^2/NDF: 1748.0/22

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.525+/-0.442 χ^2/NDF:367.0/4

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

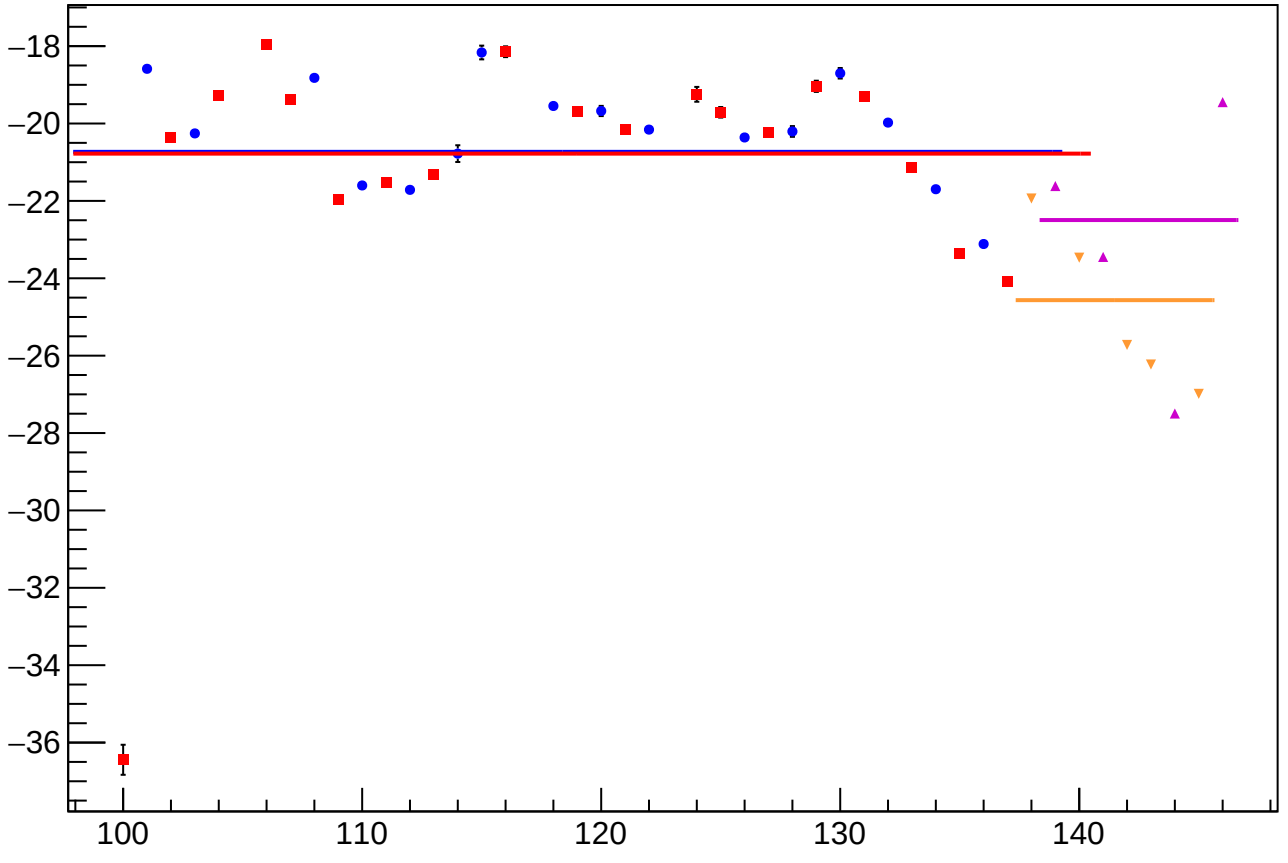
Left In: 8.303+/-0.435 χ^2/NDF:61.4/3

+ sign 4.375+/-0.281 χ^2/NDF: 771.7/20

All: 4.184+/-0.199 χ^2/NDF: 1260.1/43

- sign 3.990+/-0.283 χ^2/NDF: 487.4/22

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -24.565+/-0.020 χ^2/NDF:10072.5/4

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

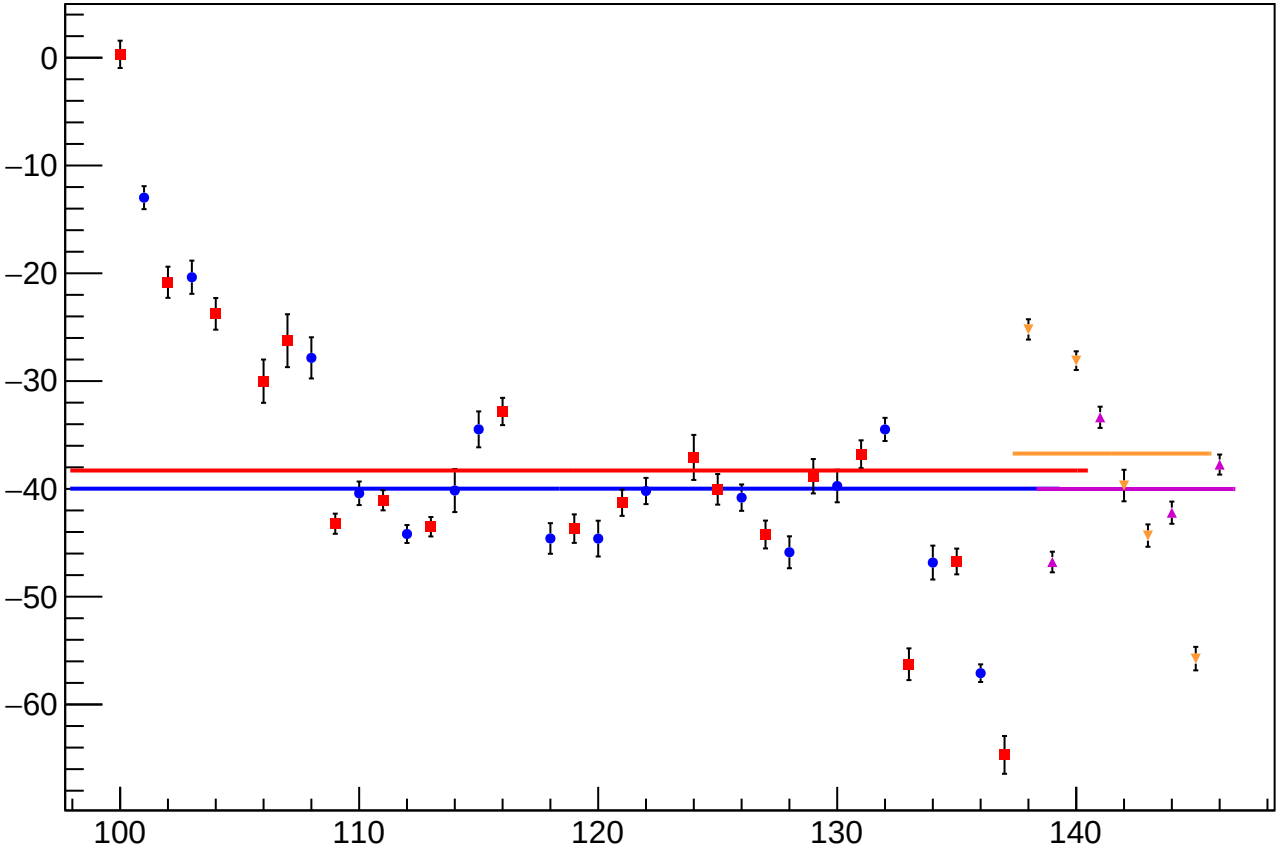
Left In: -22.495+/-0.020 χ^2/NDF:18613.5/3

+ sign -22.623+/-0.014 χ^2/NDF: 36914.8/20

All: -22.147+/-0.010 χ^2/NDF: 71039.0/43

- sign -21.646+/-0.014 χ^2/NDF: 31695.6/22

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -36.723+/-0.462 χ^2/NDF:610.6/4

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

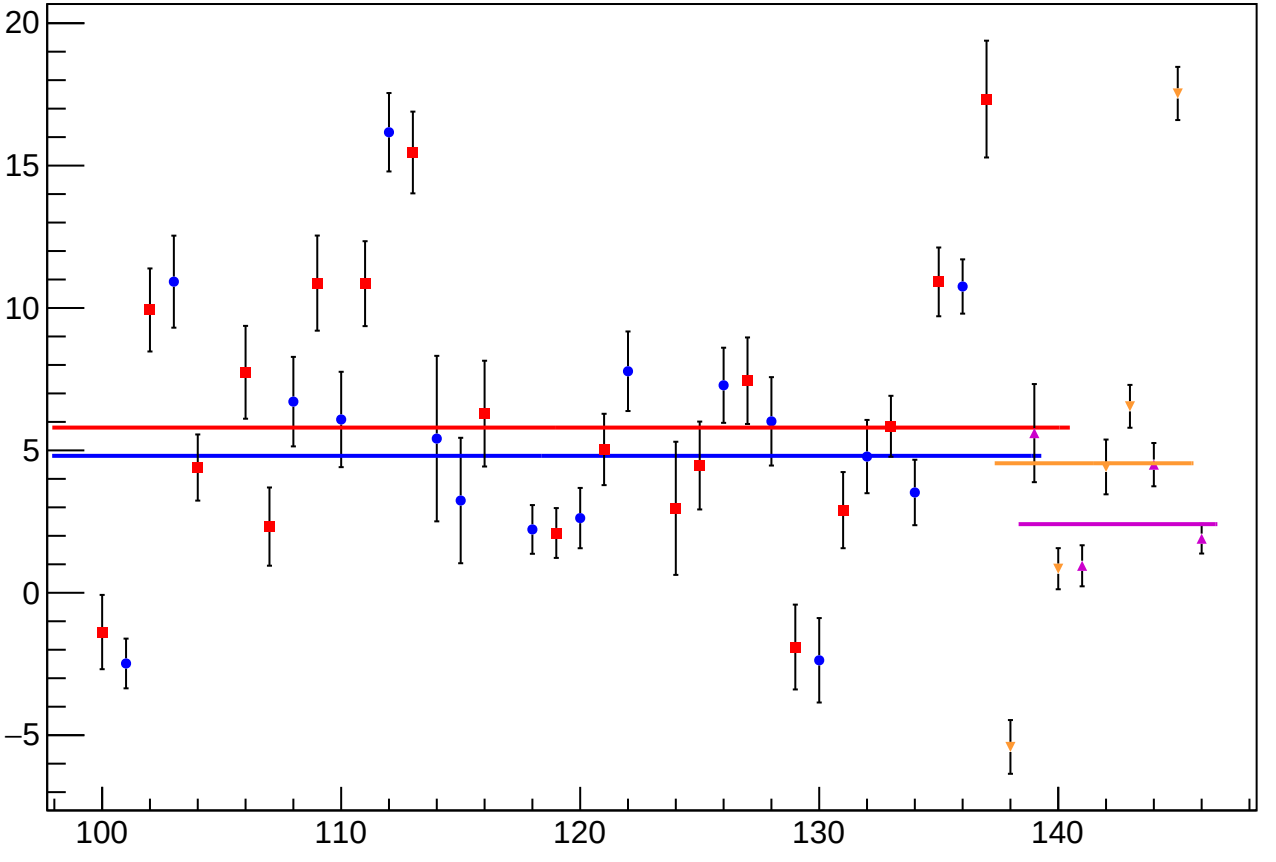
Left In: -40.009+/-0.487 χ^2/NDF:106.2/3

\+ sign -38.962+/-0.258 χ^2/NDF: 2043.3/20

All: -38.862+/-0.181 χ^2/NDF: 3932.6/43

\- sign -38.765+/-0.255 χ^2/NDF: 1889.0/22

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 4.548+/-0.377 χ^2/NDF:338.3/4

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

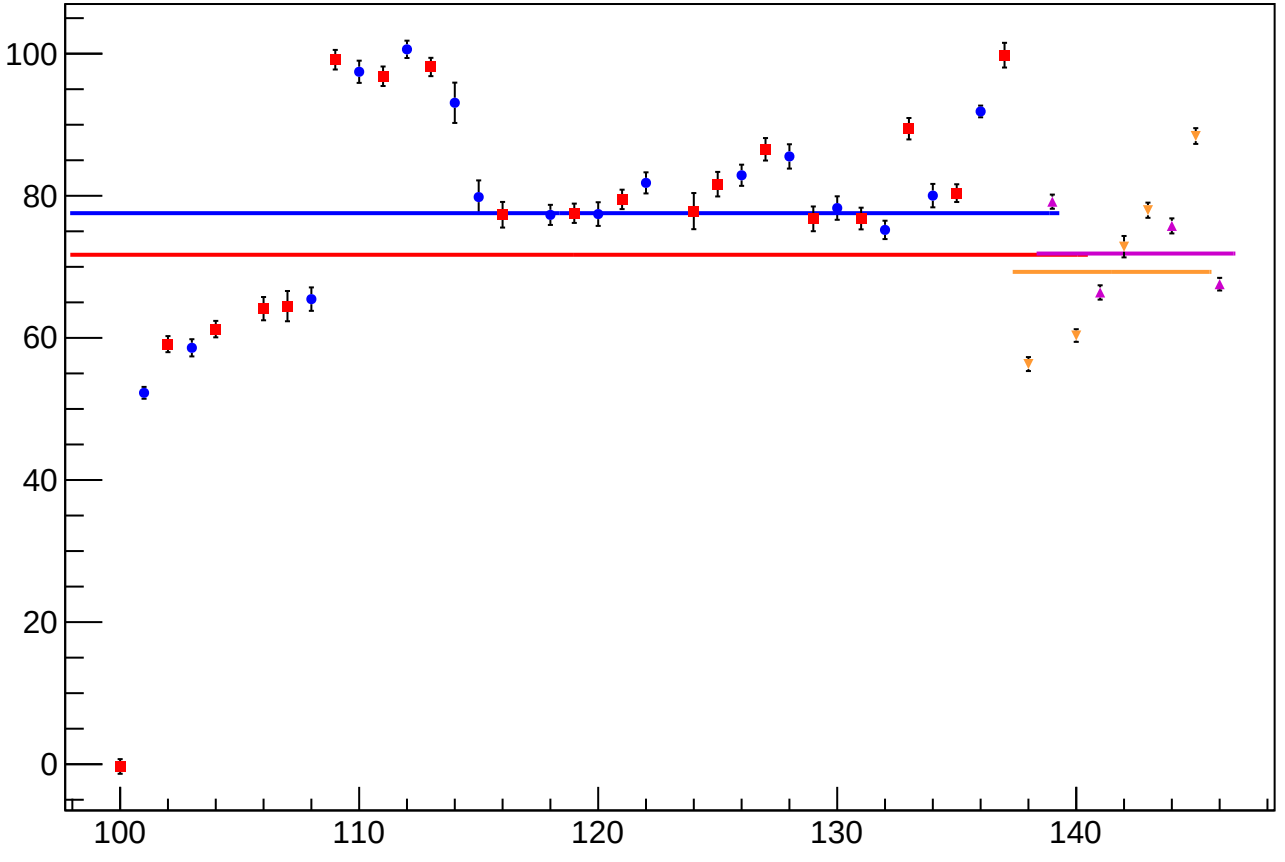
Left In: 2.410+/-0.361 χ^2/NDF:16.1/3

+ sign 4.701+/-0.242 χ^2/NDF: 579.1/20

All: 4.514+/-0.170 χ^2/NDF: 862.8/43

- sign 4.335+/-0.237 χ^2/NDF: 282.6/22

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 69.291+/-0.475 χ^2/NDF:643.7/4

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

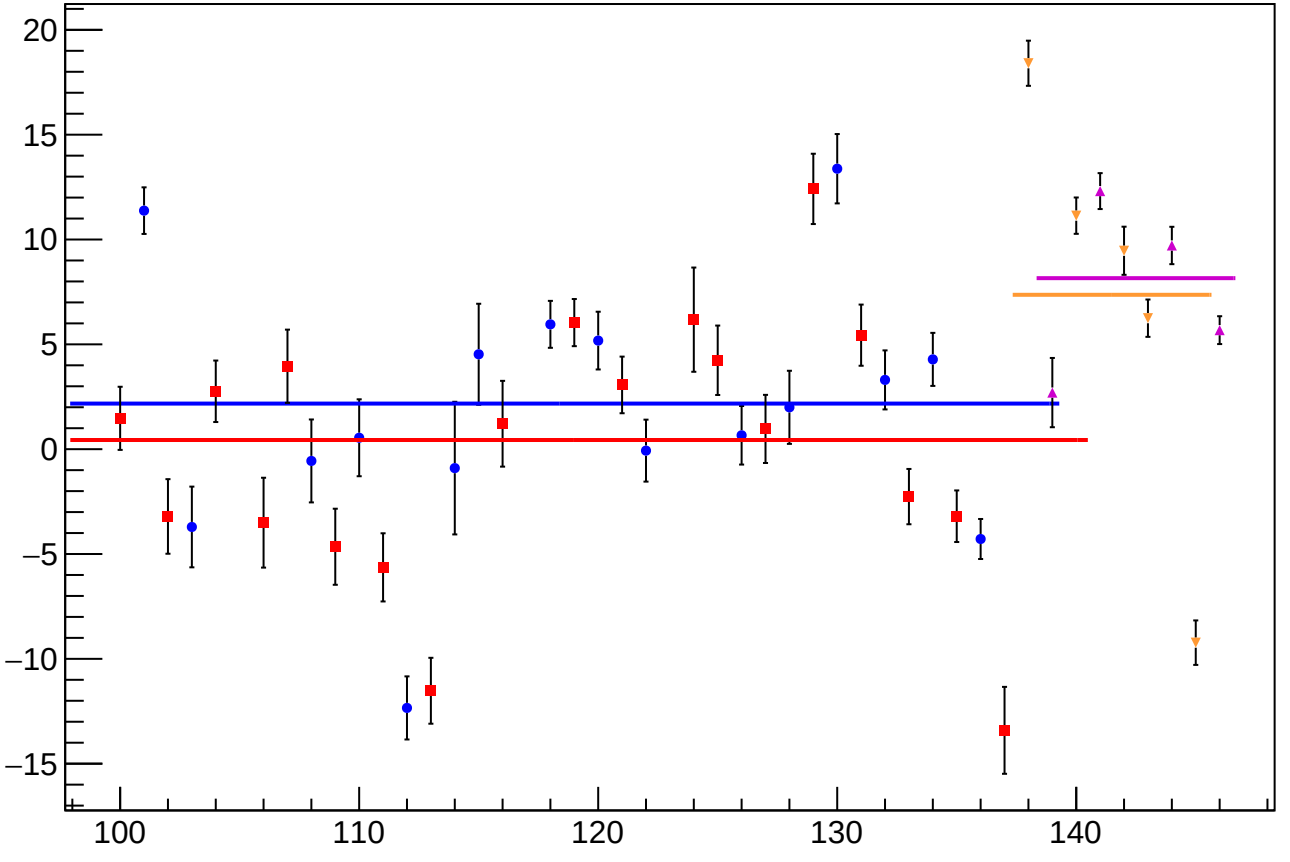
Left In: 71.872+/-0.492 χ^2/NDF:119.8/3

+ sign 74.787+/-0.275 χ^2/NDF: 2962.9/20

All: 73.265+/-0.194 χ^2/NDF: 10047.3/43

- sign 71.752+/-0.274 χ^2/NDF: 7023.4/22

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 7.363+/-0.443 χ^2/NDF:373.7/4

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

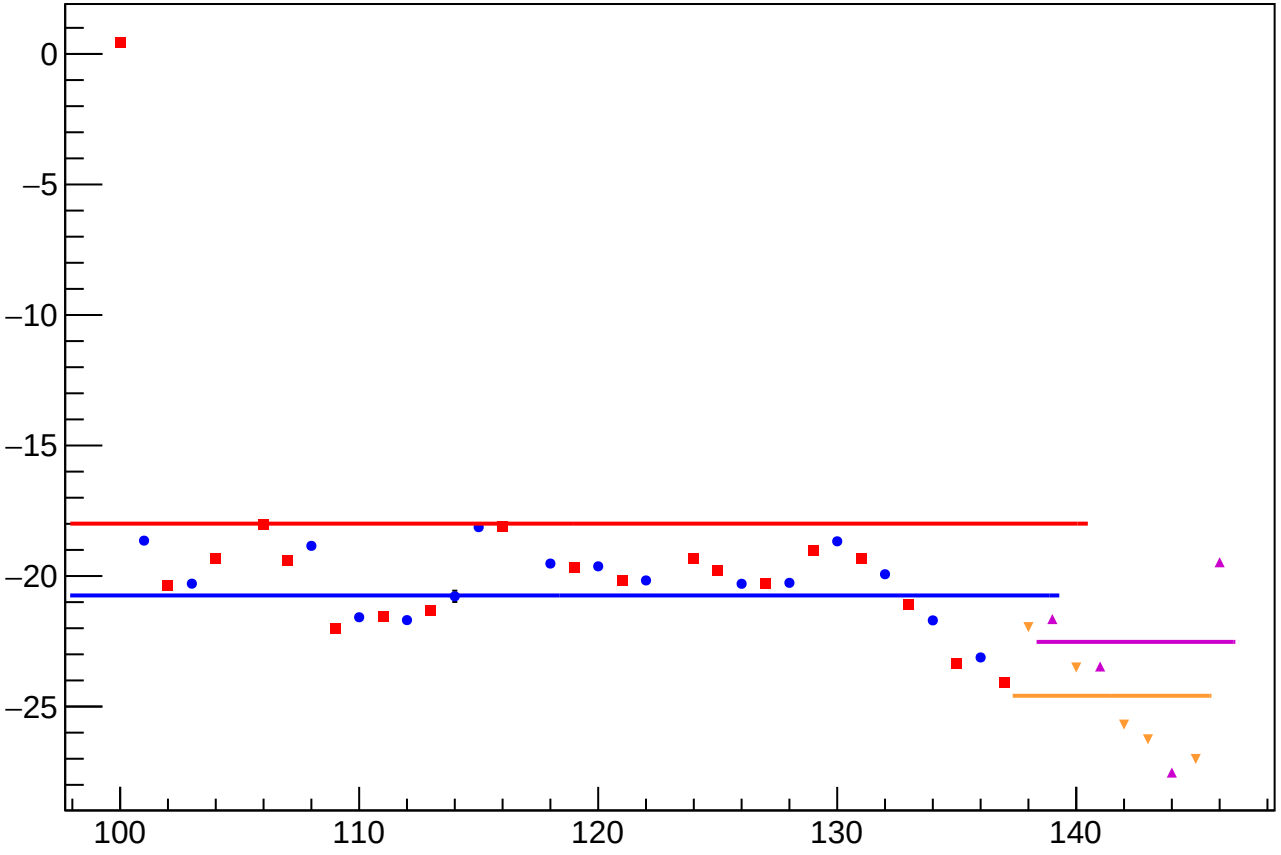
Left In: 8.157+/-0.436 χ^2/NDF:51.4/3

+ sign 4.265+/-0.281 χ^2/NDF: 746.0/20

All: 3.922+/-0.198 χ^2/NDF: 1240.0/43

- sign 3.585+/-0.279 χ^2/NDF: 491.0/22

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -24.587+/-0.020 χ^2/NDF:10000.4/4

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

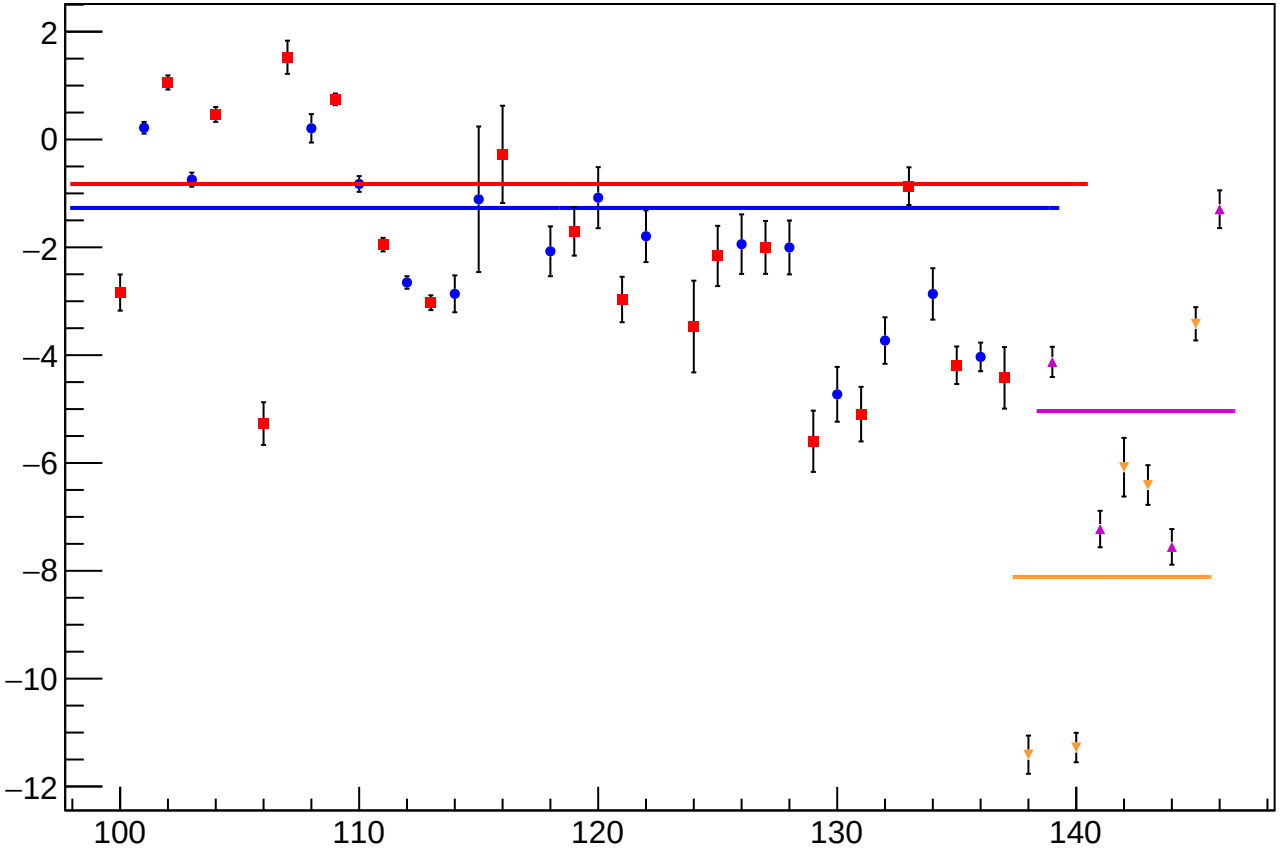
Left In: -22.523+/-0.020 χ^2/NDF:18566.5/3

+ sign -22.639+/-0.014 χ^2/NDF: 36755.7/20

All: -21.372+/-0.010 χ^2/NDF: 249623.9/43

- sign -20.127+/-0.014 χ^2/NDF: 196273.3/22

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -8.113+/-0.153 χ^2/NDF:488.1/4

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

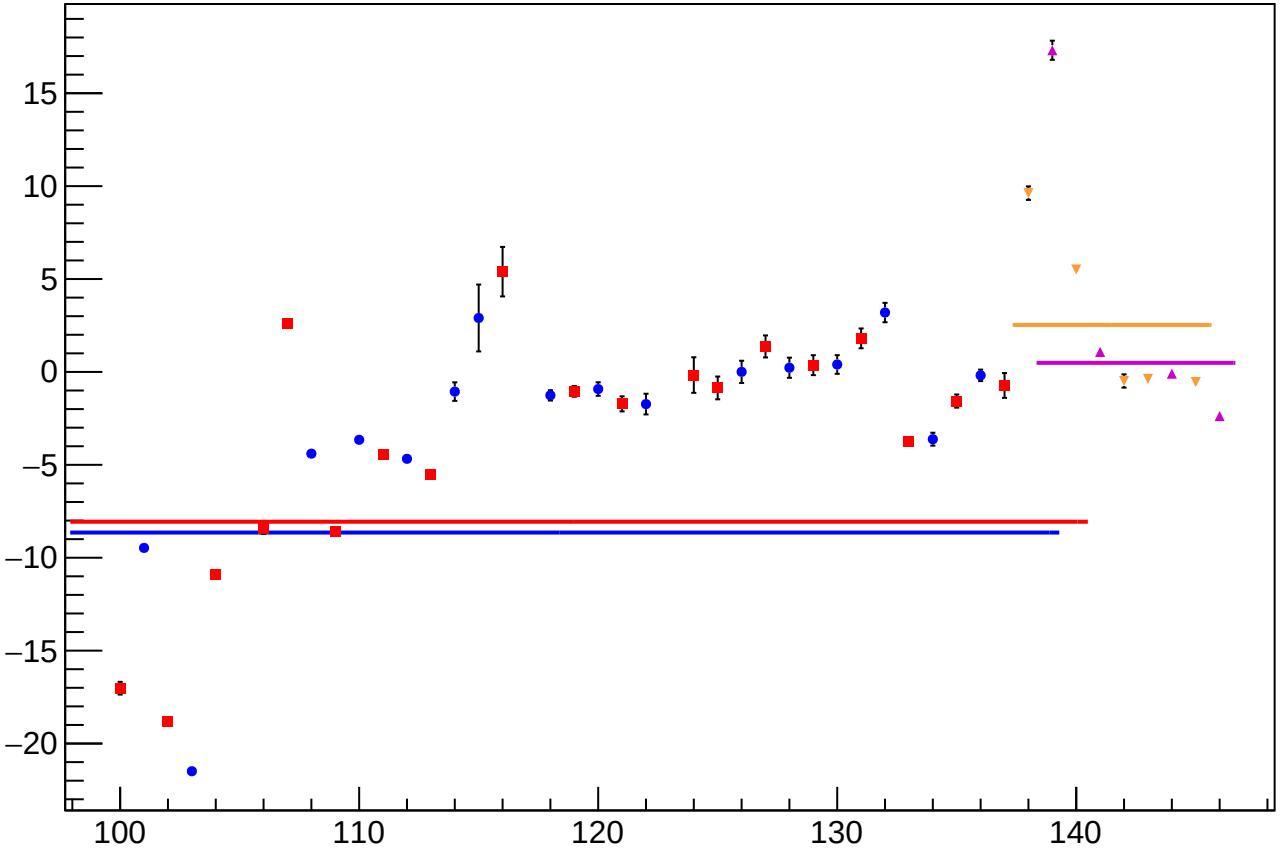
Left In: -5.037+/-0.161 χ^2/NDF:224.8/3

+ sign -2.040+/-0.051 χ^2/NDF: 2878.1/20

All: -1.603+/-0.035 χ^2/NDF: 5248.7/43

- sign -1.211+/-0.049 χ^2/NDF: 2233.3/22

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 2.528+/-0.126 χ^2/NDF:879.8/4

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

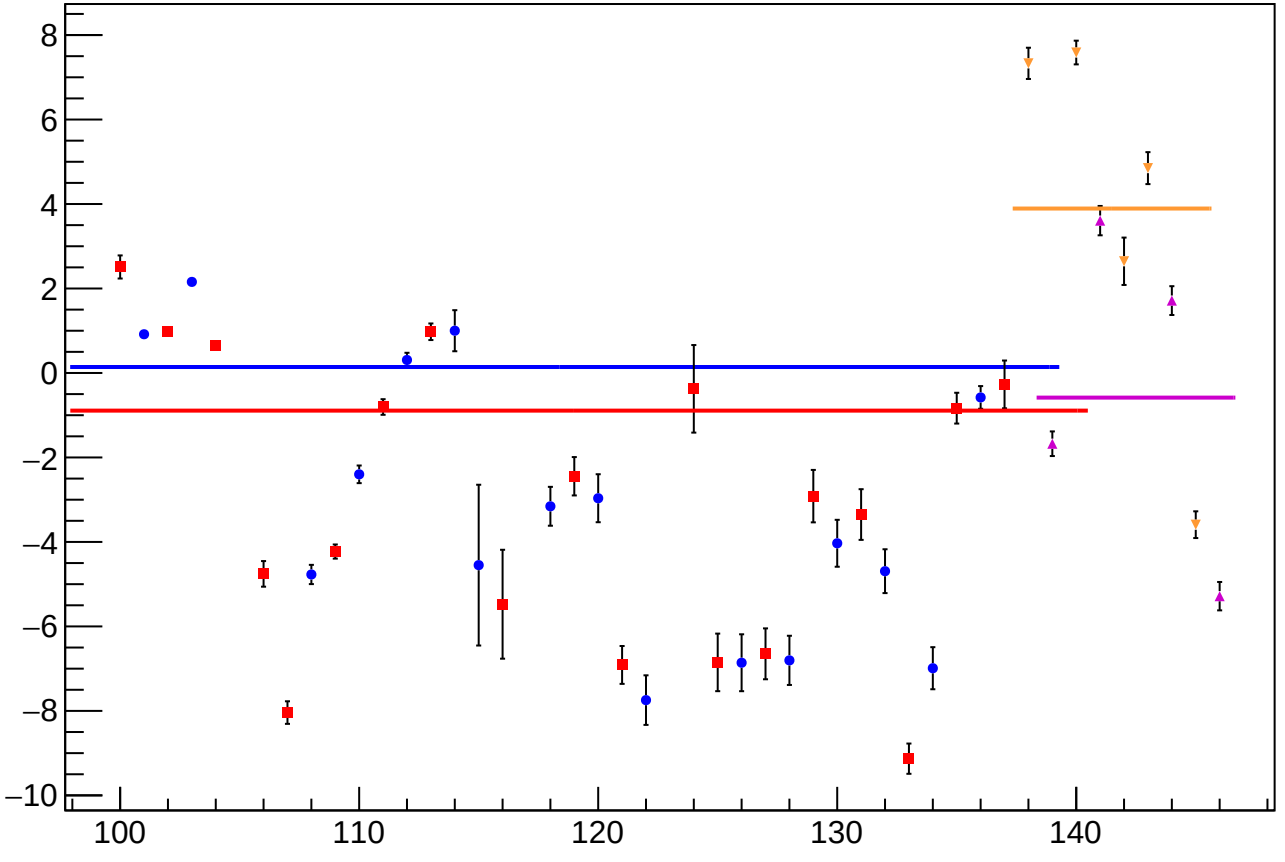
Left In: 0.488+/-0.131 χ^2/NDF:1258.8/3

+ sign -6.741+/-0.052 χ^2/NDF: 21270.4/20

All: -6.708+/-0.037 χ^2/NDF: 40549.9/43

- sign -6.674+/-0.053 χ^2/NDF: 19278.7/22

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 3.893+/-0.158 χ^2/NDF:830.2/4

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

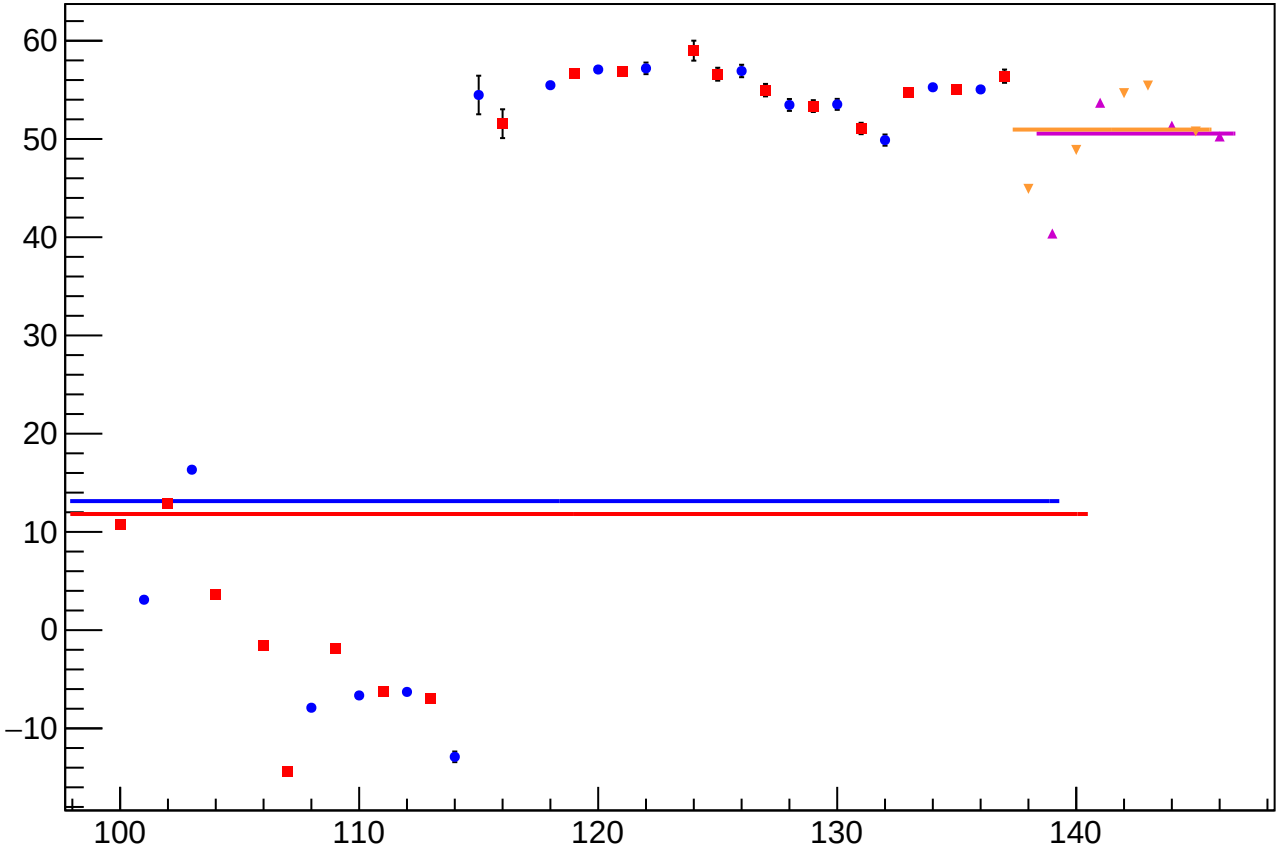
Left In: -0.583+/-0.163 χ^2/NDF:400.6/3

+ sign 0.521+/-0.050 χ^2/NDF: 3297.9/20

All: -0.160+/-0.036 χ^2/NDF: 7060.8/43

- sign -0.861+/-0.051 χ^2/NDF: 3389.4/22

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.958+/-0.147 χ^2/NDF:549.2/4

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

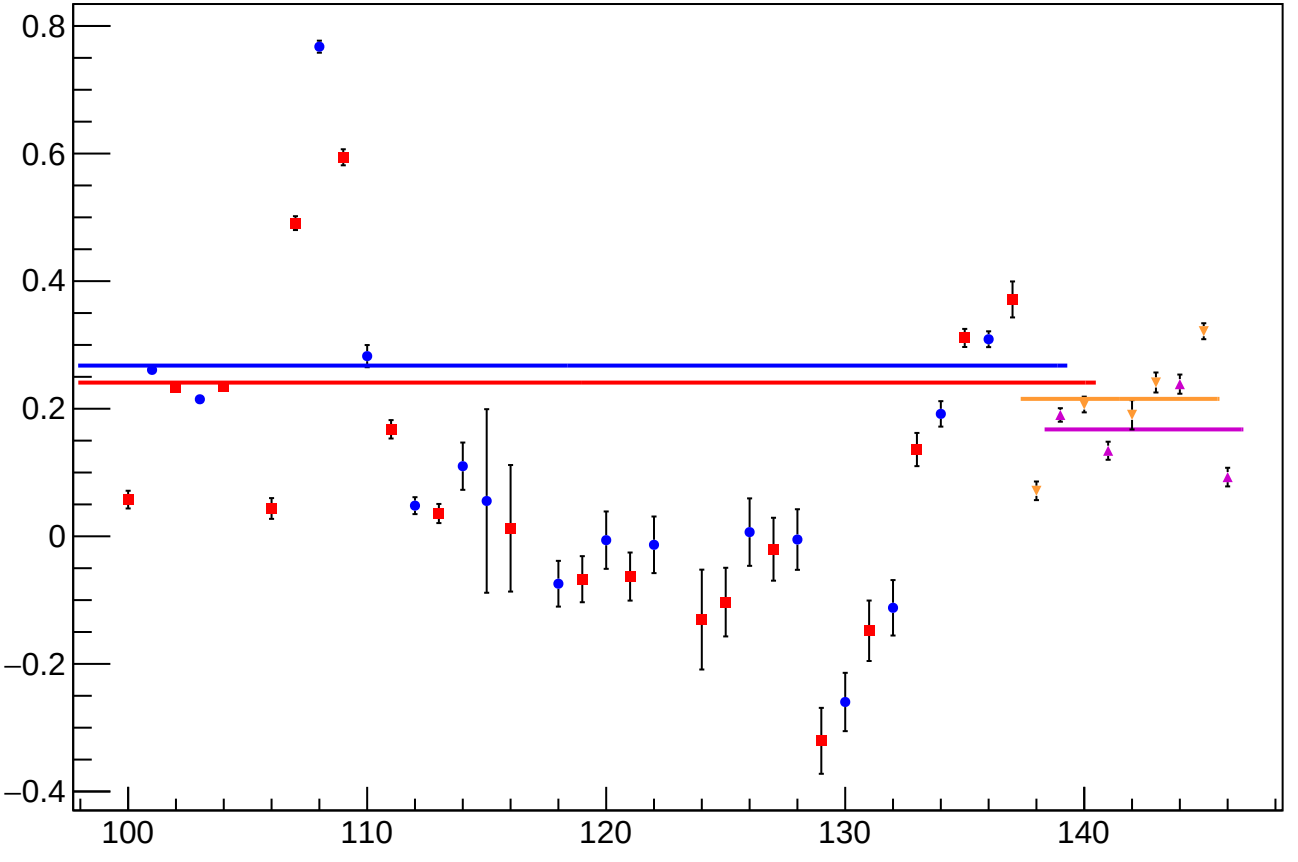
Left In: 50.552+/-0.154 χ^2/NDF:544.8/3

+ sign 19.783+/-0.062 χ^2/NDF: 163586.4/20

All: 18.959+/-0.044 χ^2/NDF: 335678.6/43

- sign 18.124+/-0.062 χ^2/NDF: 171732.8/22

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.215+/-0.007 χ^2/NDF:173.9/4

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

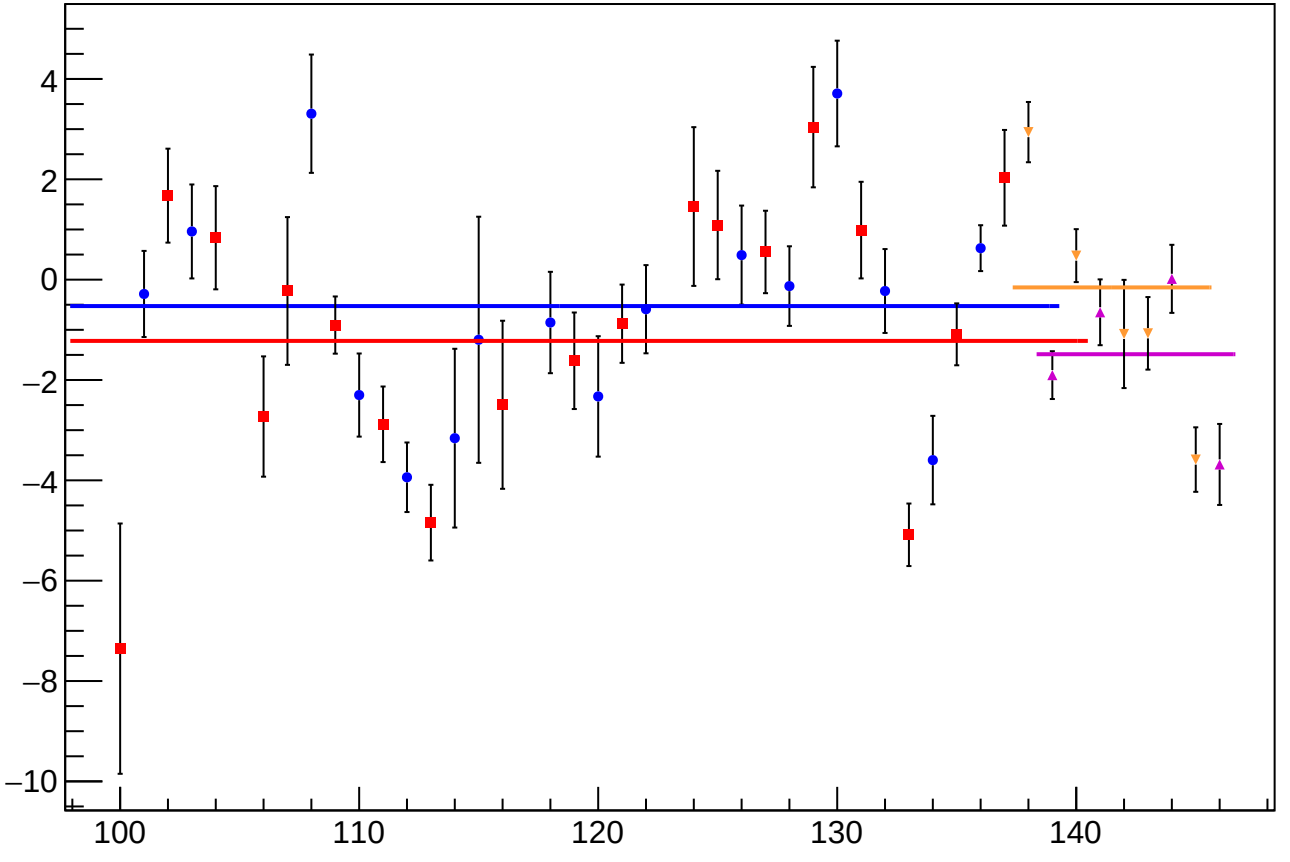
Left In: 0.168+/-0.007 χ^2/NDF:58.7/3

+ sign 0.260+/-0.003 χ^2/NDF: 3948.6/20

All: 0.245+/-0.002 χ^2/NDF: 6518.6/43

- sign 0.230+/-0.003 χ^2/NDF: 2503.5/22

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.155+/-0.294 χ^2/NDF:58.8/4

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

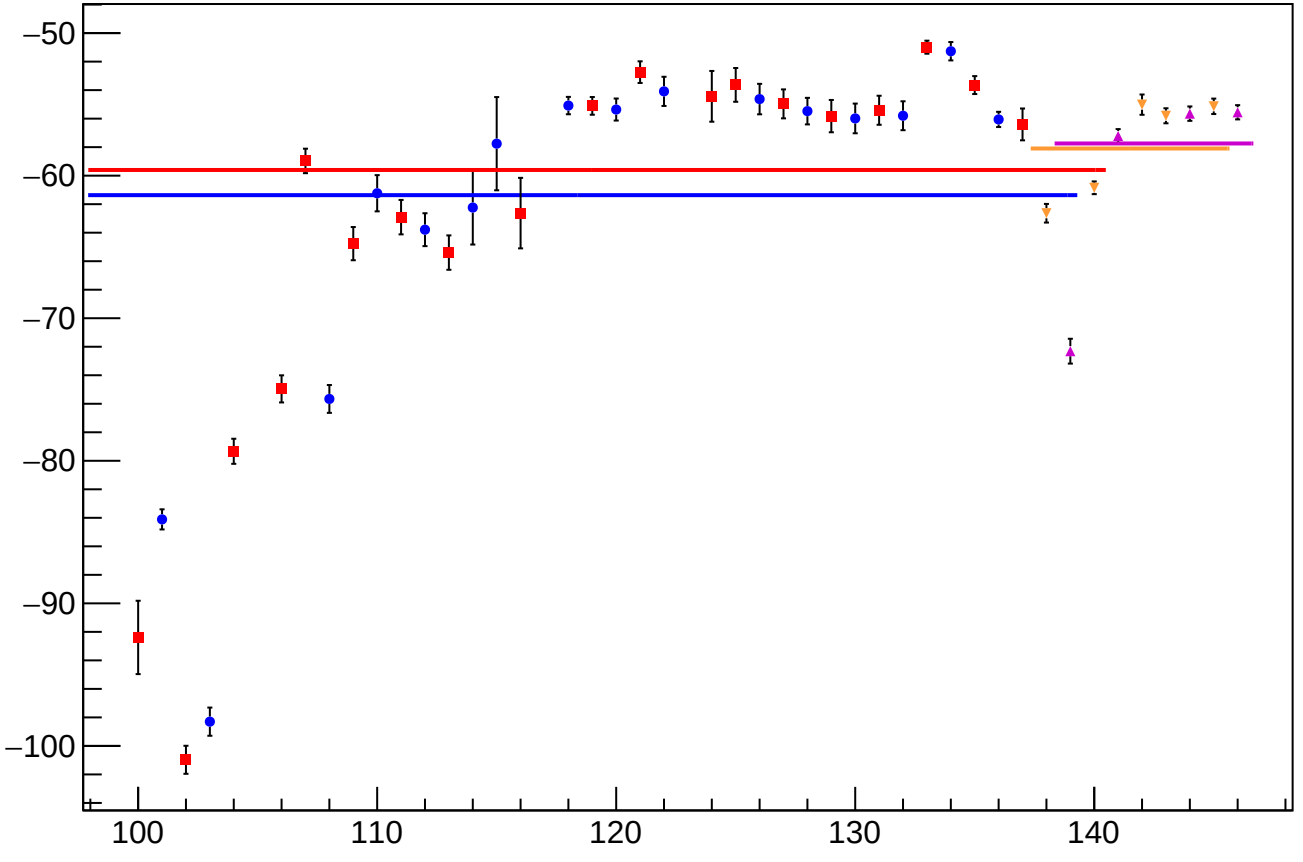
Left In: -1.486+/-0.309 χ^2/NDF:14.7/3

+ sign -0.395+/-0.175 χ^2/NDF: 142.6/20

All: -0.859+/-0.122 χ^2/NDF: 302.5/43

- sign -1.302+/-0.171 χ^2/NDF: 146.1/22

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -58.095+/-0.247 χ^2/NDF:153.8/4

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

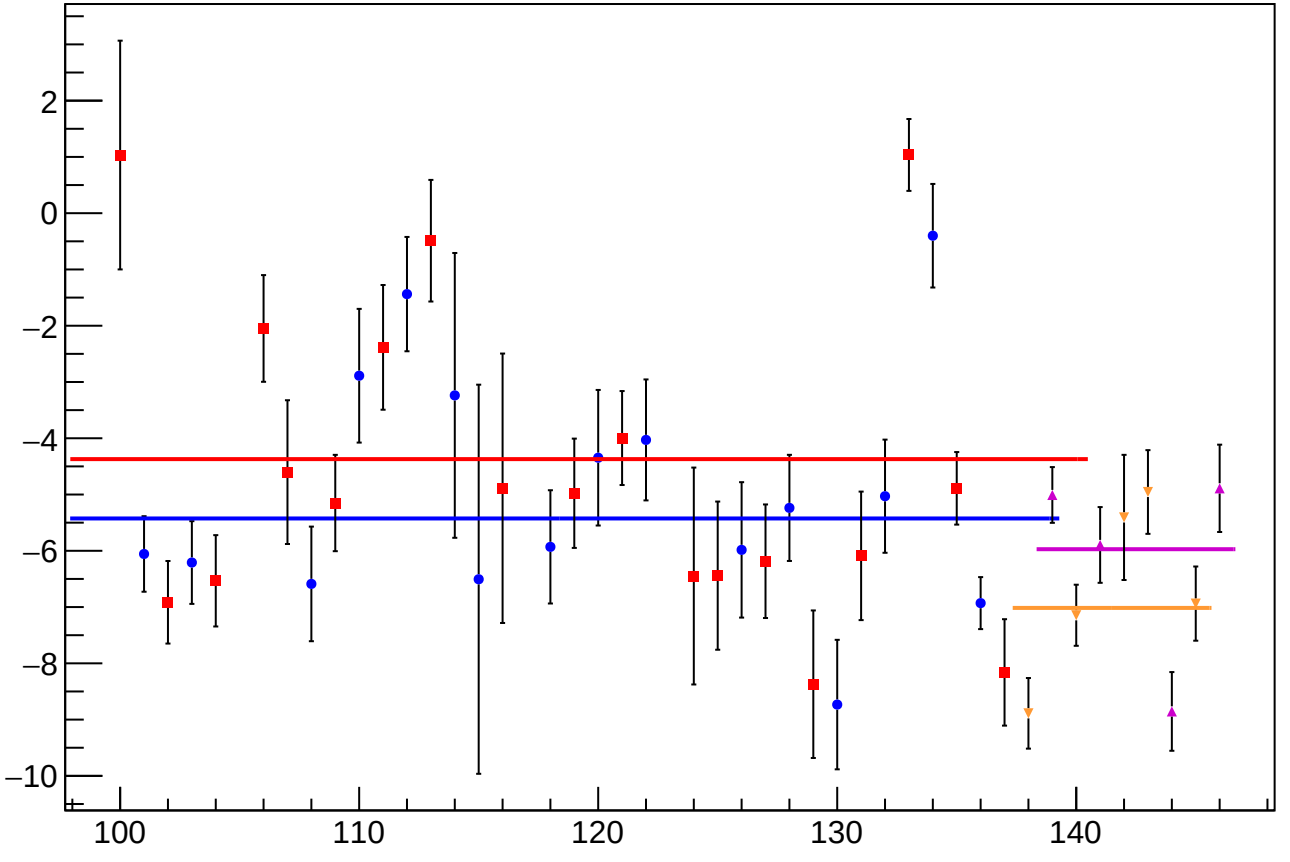
Left In: -57.742+/-0.272 χ^2/NDF:317.2/3

+ sign -59.929+/-0.164 χ^2/NDF: 3603.1/20

All: -59.427+/-0.116 χ^2/NDF: 7390.1/43

- sign -58.921+/-0.165 χ^2/NDF: 3768.1/22

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.015+/-0.304 χ^2/NDF:18.7/4

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

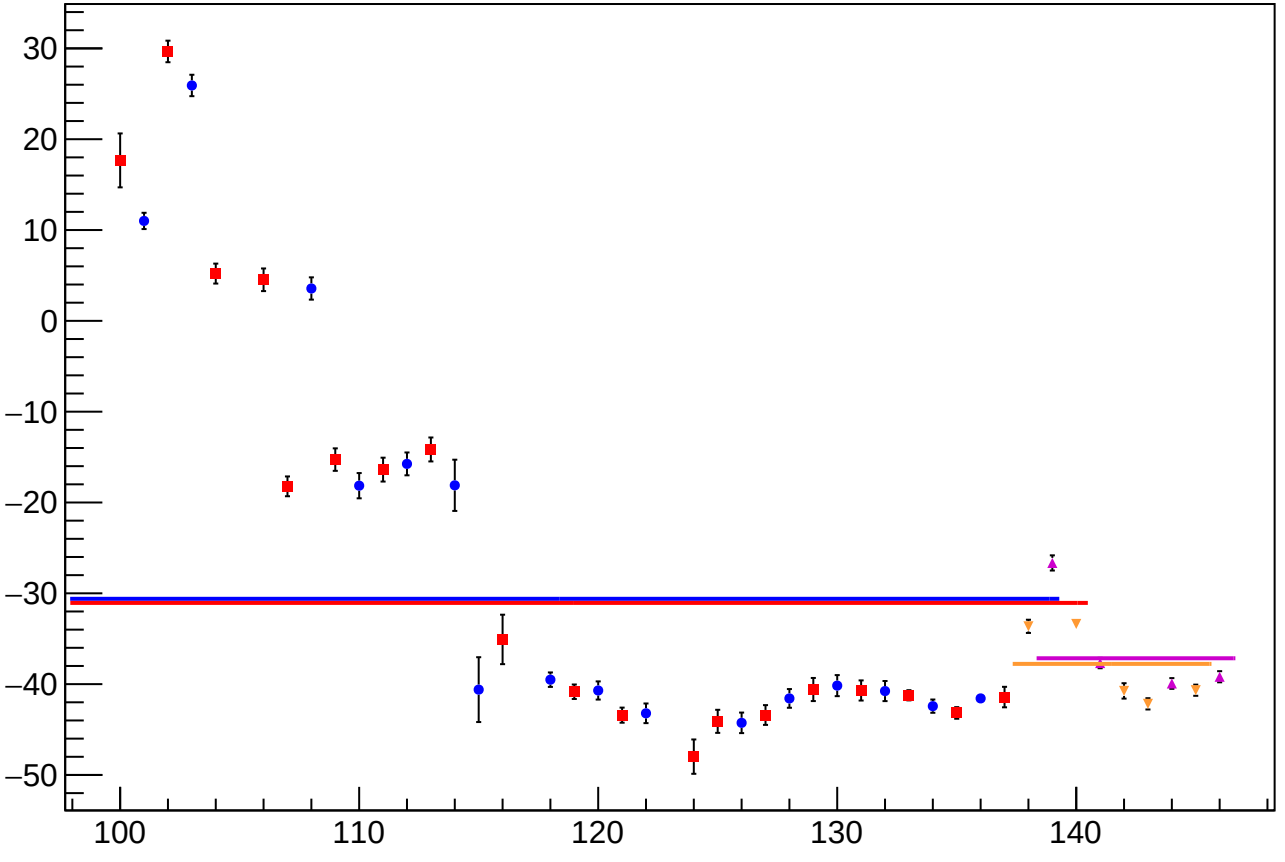
Left In: -5.972+/-0.316 χ^2/NDF:22.7/3

+ sign -6.005+/-0.183 χ^2/NDF: 112.1/20

All: -5.449+/-0.129 χ^2/NDF: 326.9/43

- sign -4.900+/-0.182 χ^2/NDF: 196.5/22

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -37.770+/-0.288 χ^2/NDF:184.7/4

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

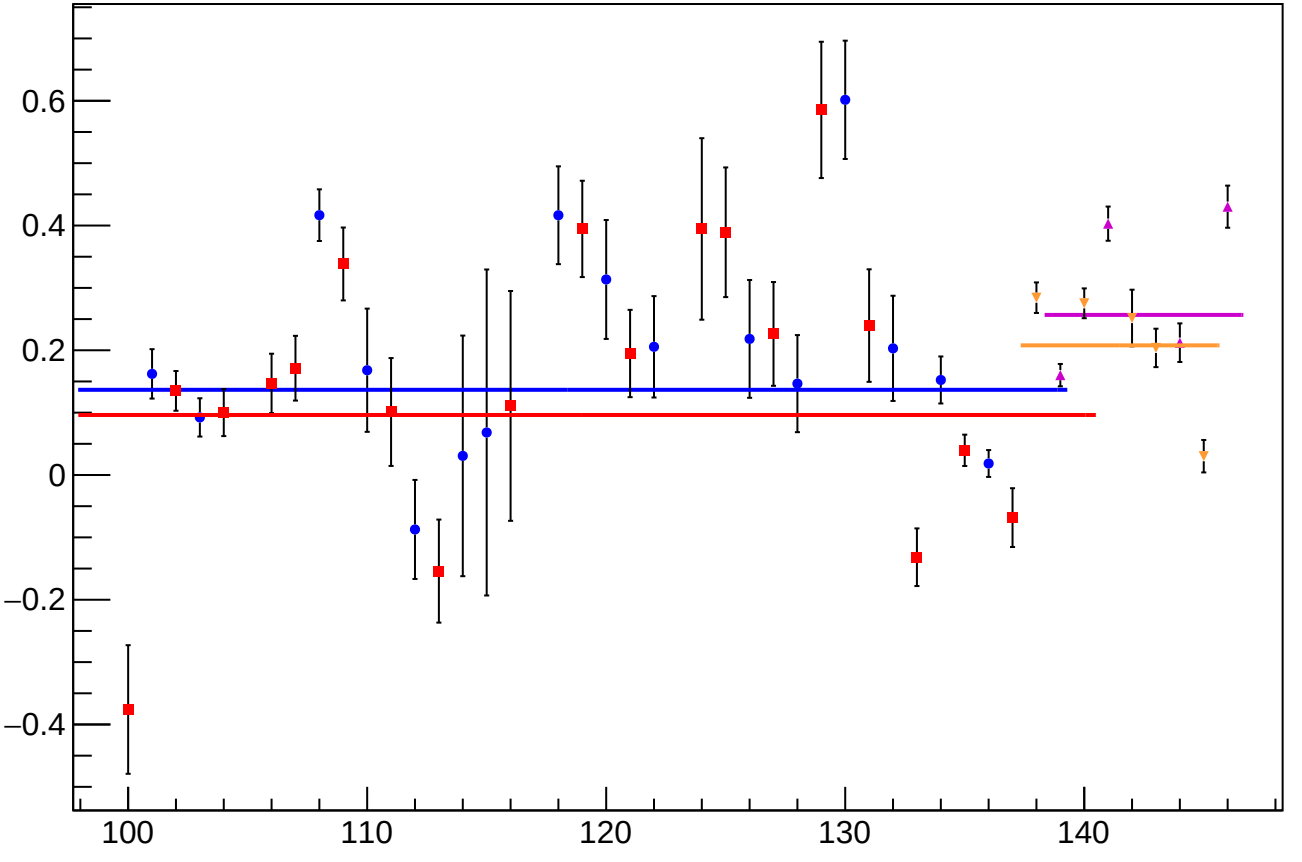
Left In: -37.152+/-0.316 χ^2/NDF:191.5/3

+ sign -33.670+/-0.189 χ^2/NDF: 7475.8/20

All: -33.466+/-0.134 χ^2/NDF: 14883.7/43

- sign -33.260+/-0.190 χ^2/NDF: 7405.6/22

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.208+/-0.012 χ^2/NDF:65.3/4

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

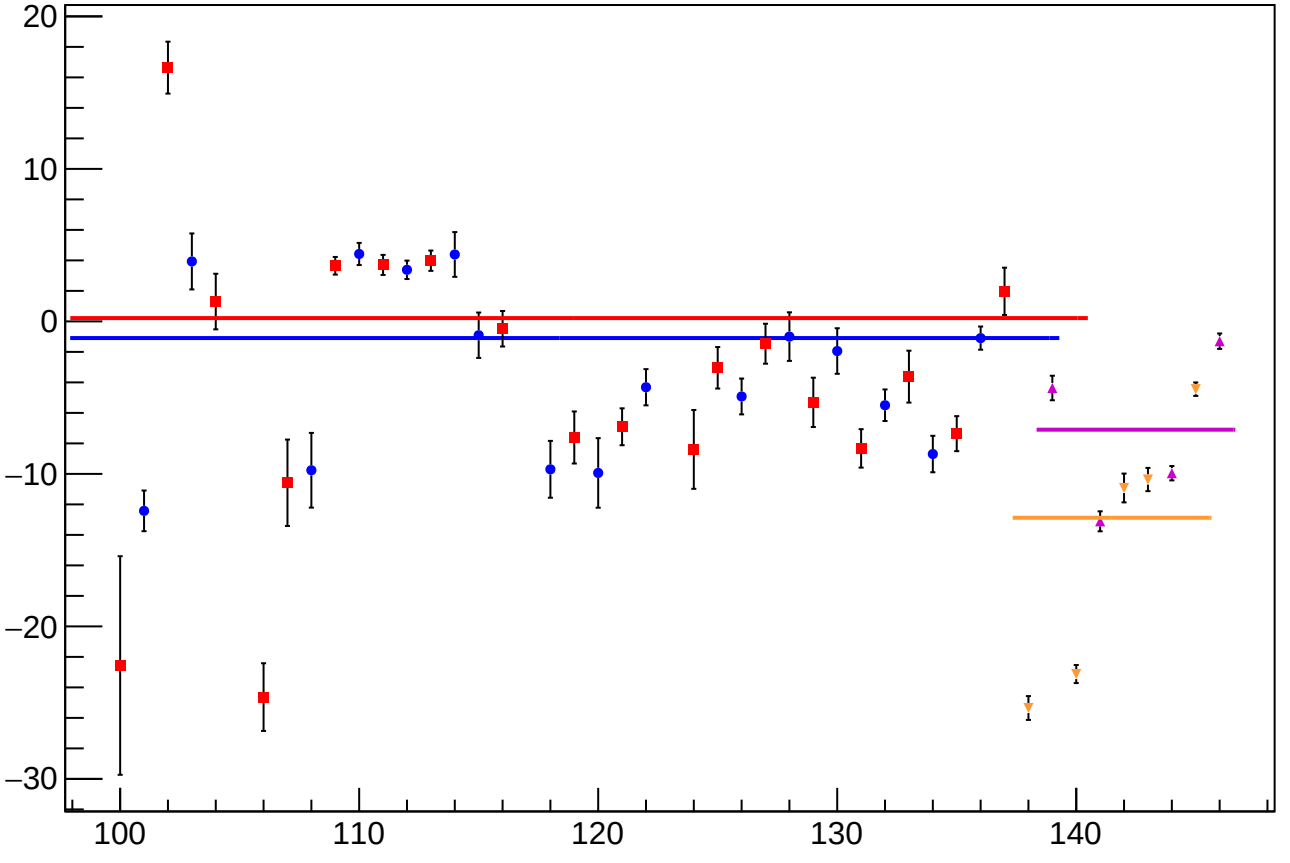
Left In: 0.257+/-0.013 χ^2/NDF:86.0/3

+ sign 0.172+/-0.009 χ^2/NDF: 210.8/20

All: 0.174+/-0.006 χ^2/NDF: 527.8/43

- sign 0.175+/-0.009 χ^2/NDF: 317.0/22

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.876+/-0.283 χ^2/NDF:933.9/4

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

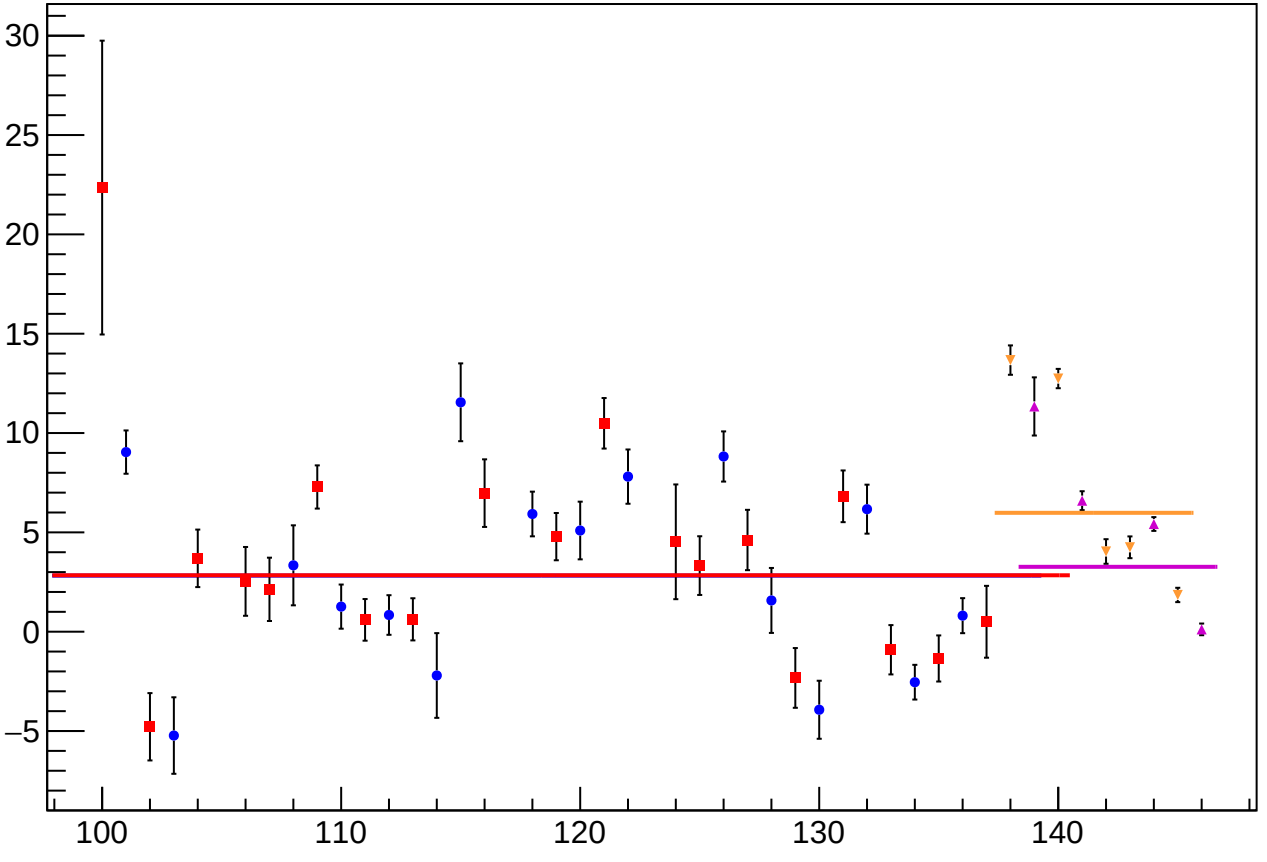
Left In: -7.101+/-0.285 χ^2/NDF:263.4/3

+ sign -6.927+/-0.199 χ^2/NDF: 2139.2/20

All: -5.012+/-0.139 χ^2/NDF: 3455.0/43

- sign -3.187+/-0.195 χ^2/NDF: 1135.7/22

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 5.984+/-0.225 χ^2/NDF:452.2/4

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

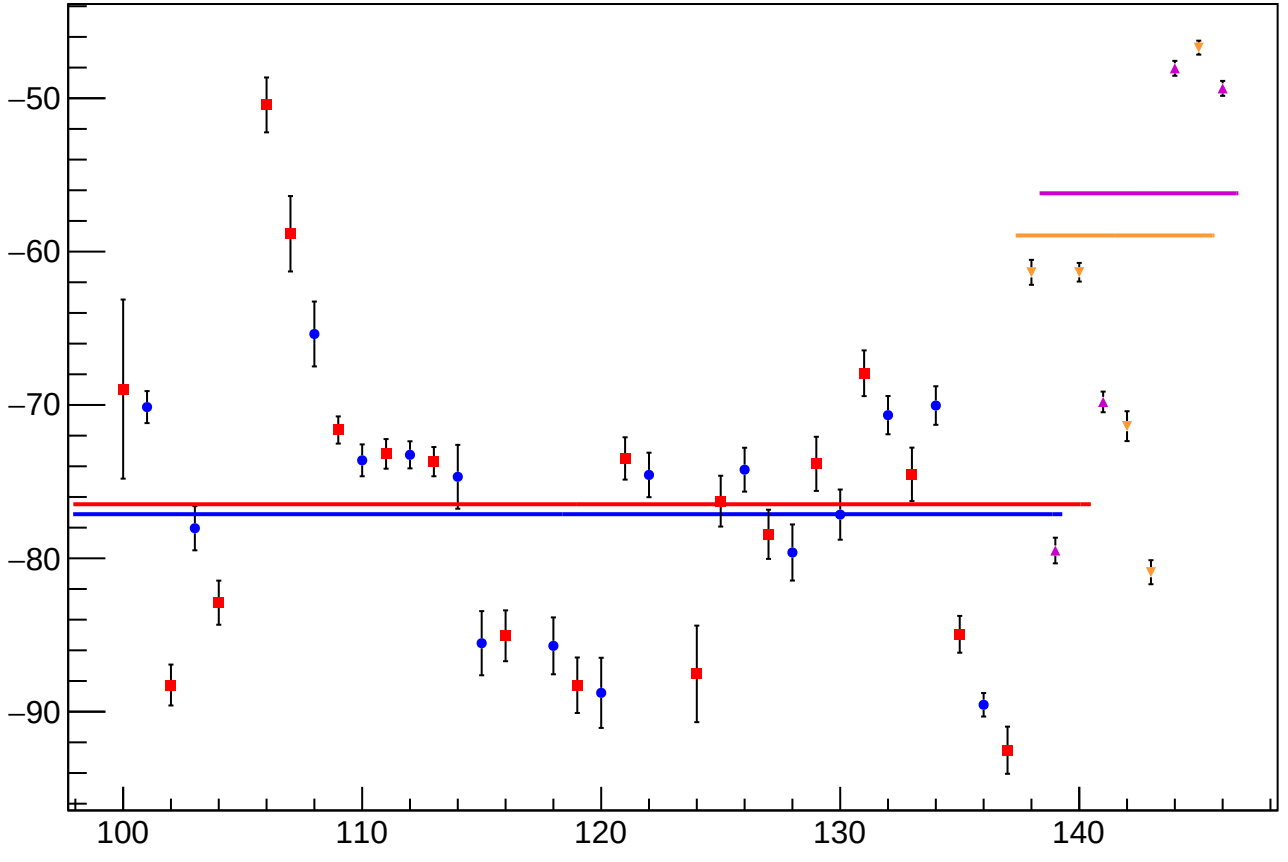
Left In: 3.266+/-0.201 χ^2/NDF:232.6/3

+ sign 4.906+/-0.183 χ^2/NDF: 718.8/20

All: 3.965+/-0.125 χ^2/NDF: 1147.0/43

- sign 3.146+/-0.171 χ^2/NDF: 378.8/22

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -58.947+/-0.292 χ^2/NDF:1695.8/4

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

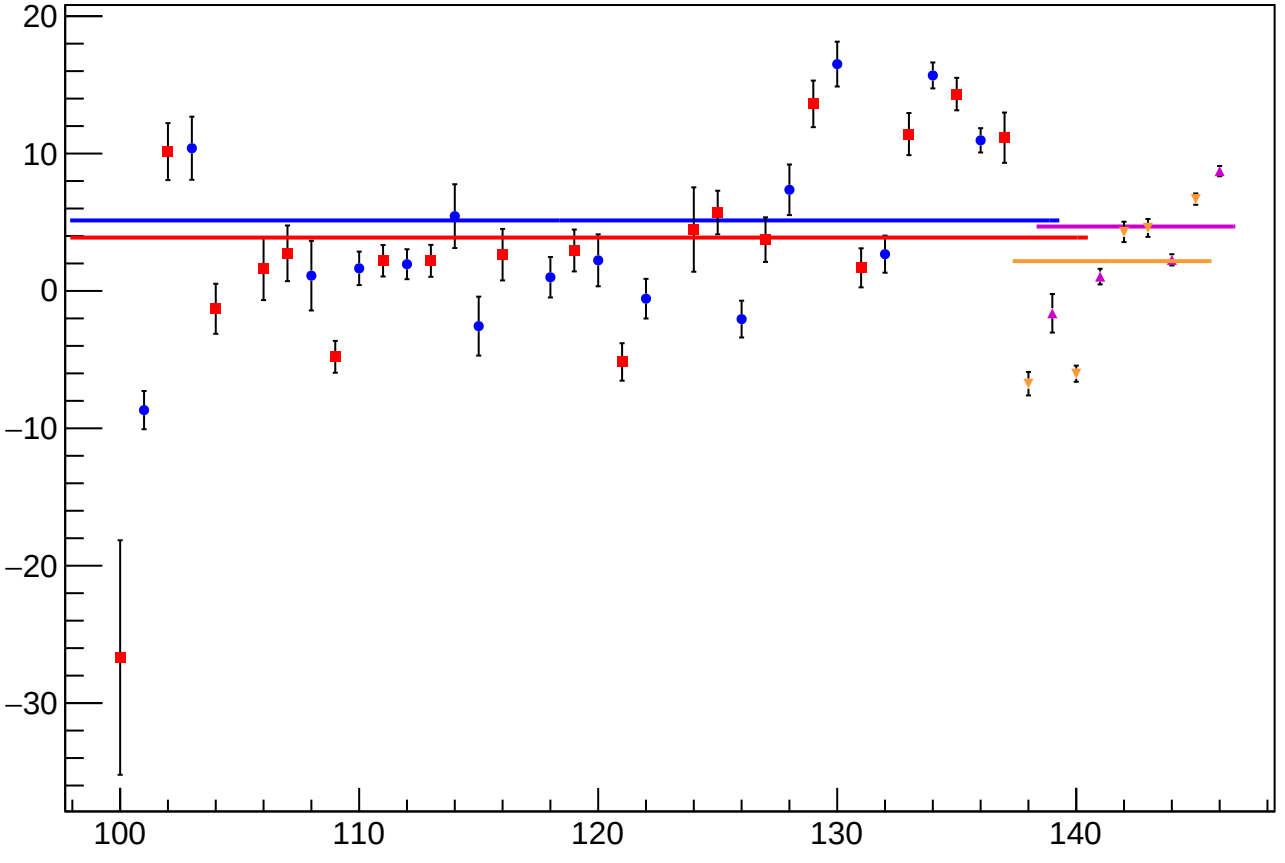
Left In: -56.197+/-0.288 χ^2/NDF:1662.3/3

+ sign -67.038+/-0.218 χ^2/NDF: 3920.9/20

All: -66.012+/-0.153 χ^2/NDF: 8479.9/43

- sign -64.998+/-0.216 χ^2/NDF: 4514.8/22

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 2.169+/-0.264 χ^2/NDF:445.3/4

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

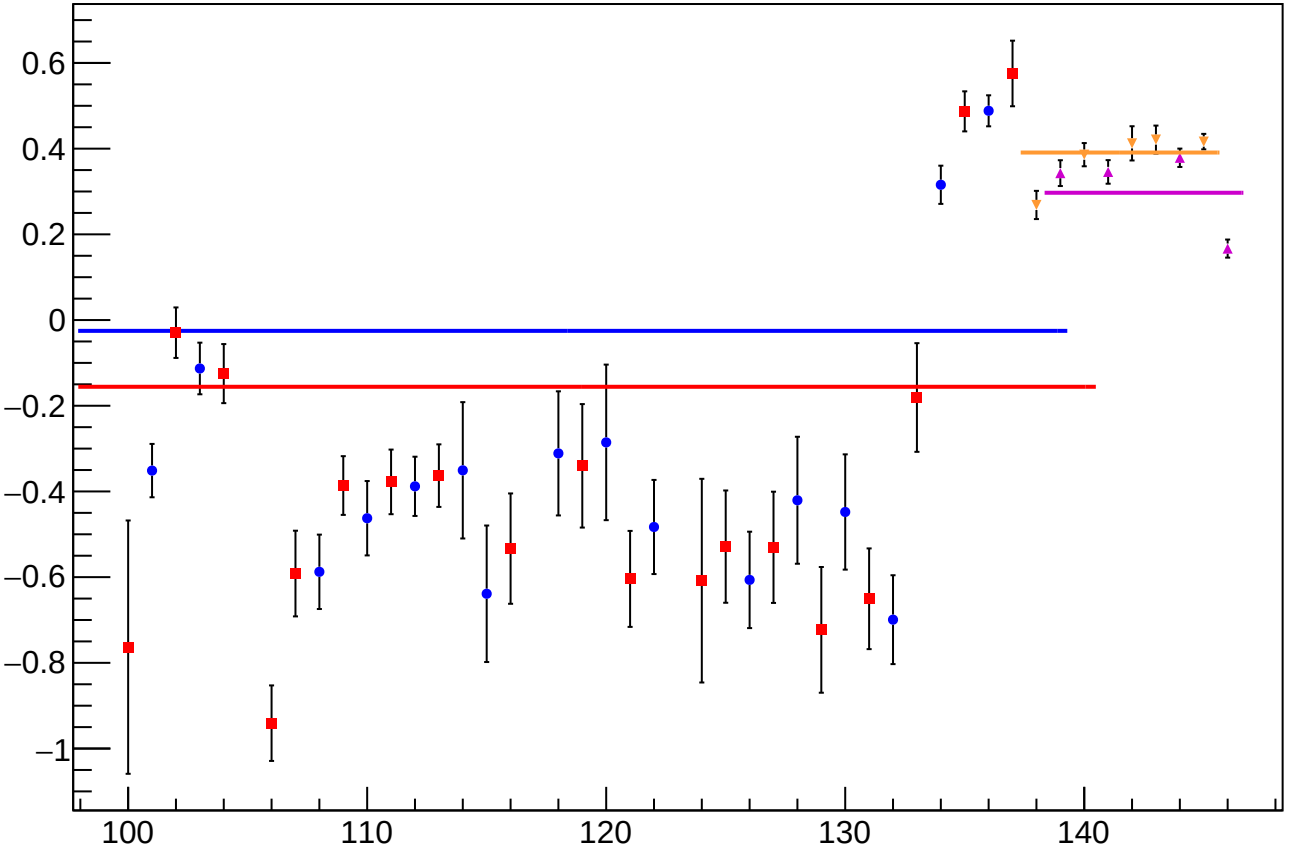
Left In: 4.689+/-0.243 χ^2/NDF:214.3/3

+ sign 3.247+/-0.211 χ^2/NDF: 903.3/20

All: 3.868+/-0.146 χ^2/NDF: 1429.2/43

- sign 4.438+/-0.202 χ^2/NDF: 509.2/22

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.391+/-0.012 χ^2/NDF:17.0/4

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

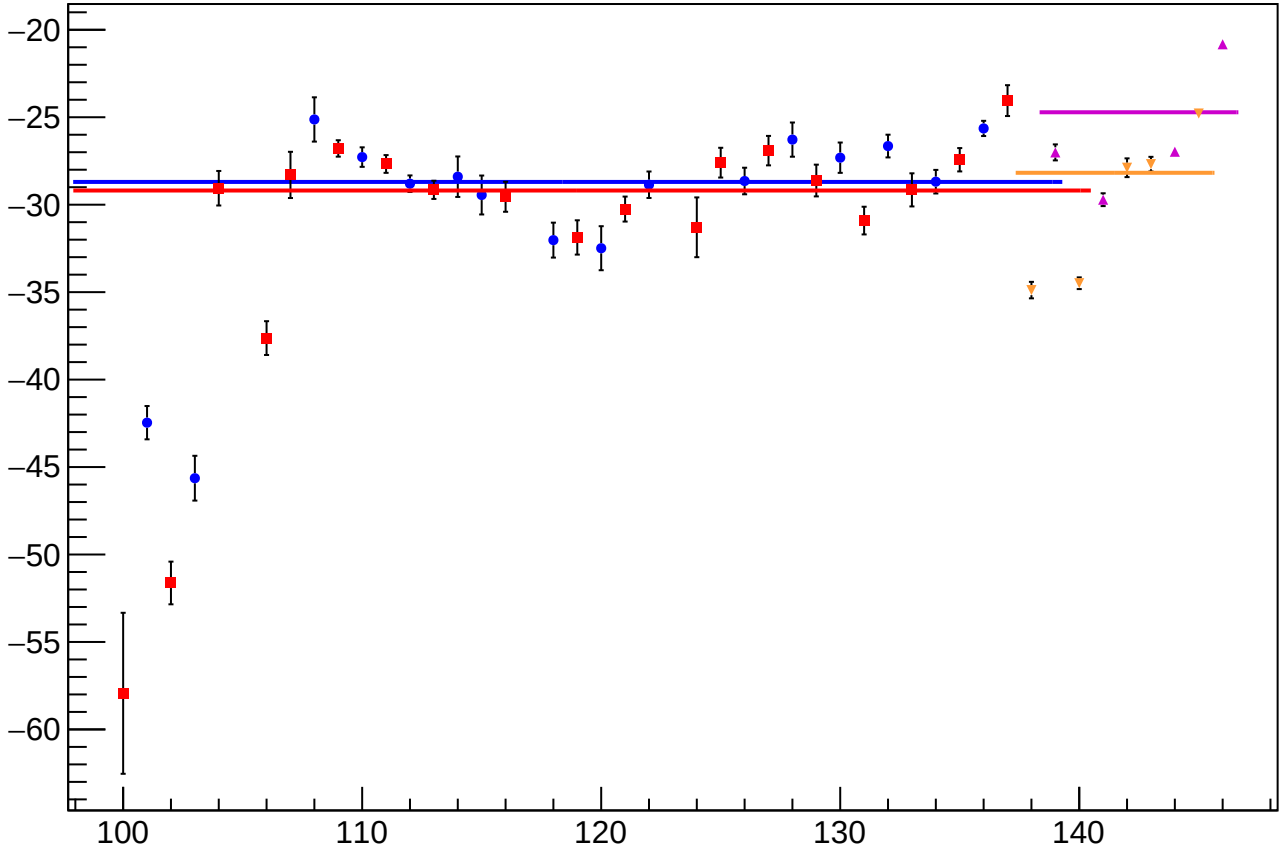
Left In: 0.297+/-0.012 χ^2/NDF:58.0/3

+ sign 0.271+/-0.010 χ^2/NDF: 873.4/20

All: 0.226+/-0.007 χ^2/NDF: 1837.4/43

- sign 0.178+/-0.010 χ^2/NDF: 922.5/22

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.176+/-0.146 χ^2/NDF:839.7/4

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

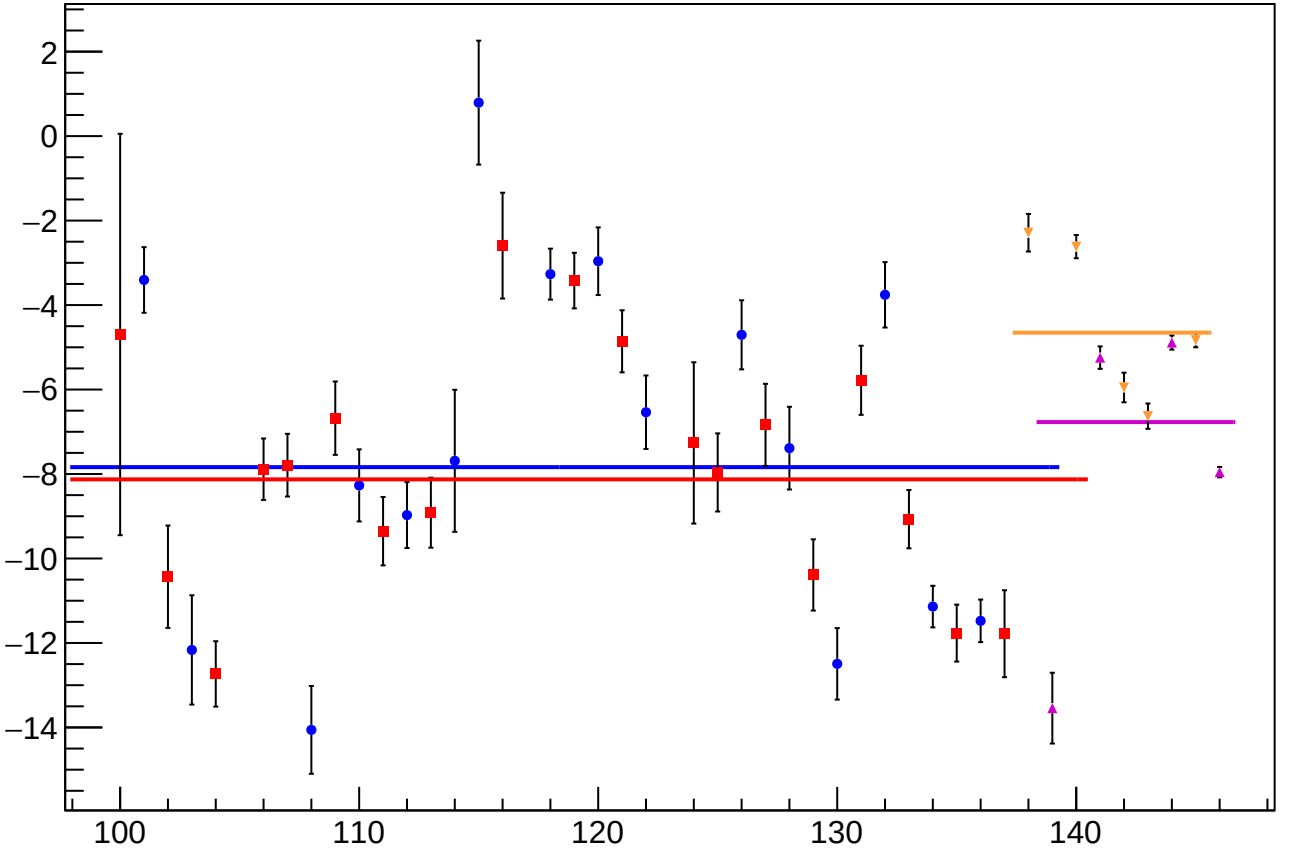
Left In: -24.716+/-0.135 χ^2/NDF:664.4/3

+ sign -28.375+/-0.115 χ^2/NDF: 1331.9/20

All: -27.282+/-0.079 χ^2/NDF: 3117.3/43

- sign -26.310+/-0.108 χ^2/NDF: 1613.9/22

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -4.654+/-0.117 χ^2/NDF:141.3/4

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

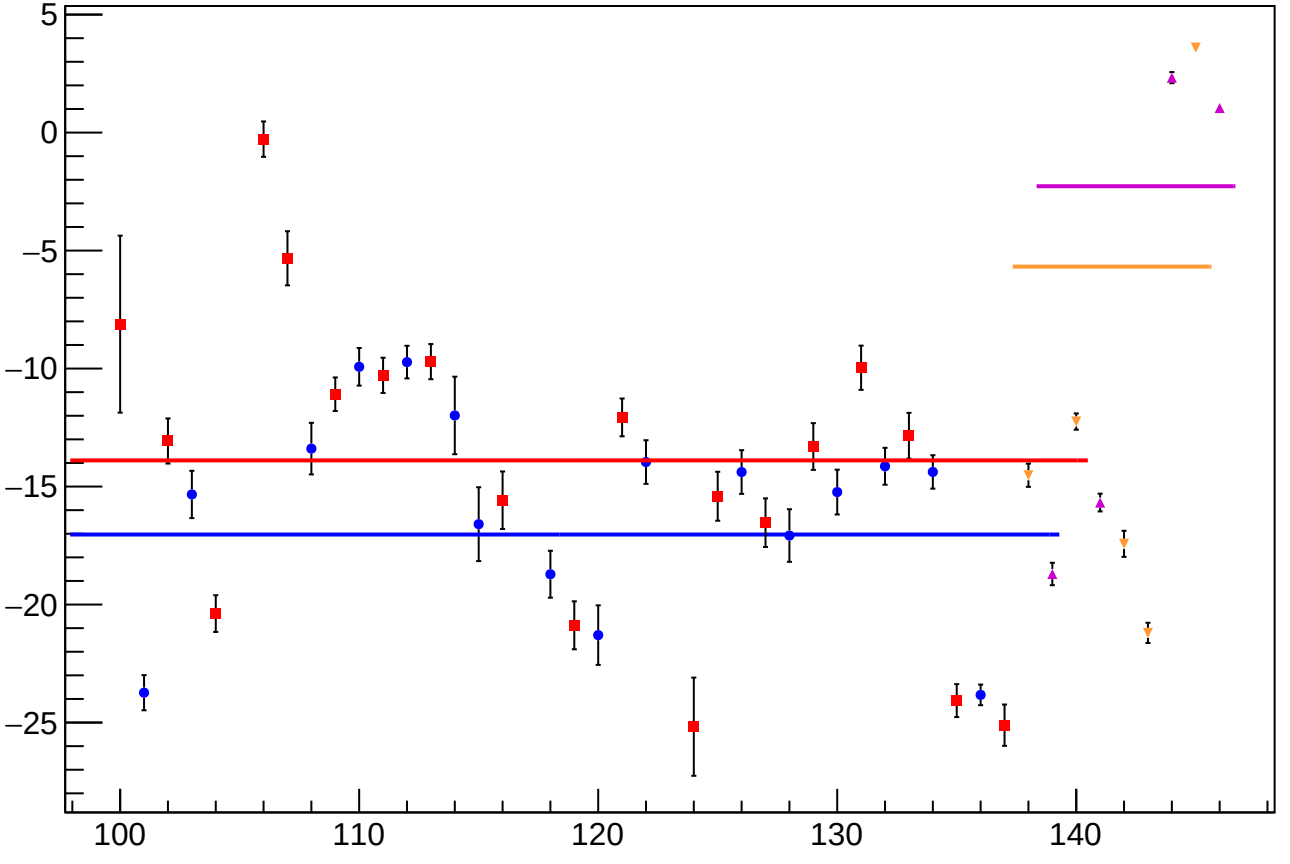
Left In: -6.771+/-0.092 χ^2/NDF:316.6/3

+ sign -5.496+/-0.100 χ^2/NDF: 720.7/20

All: -6.392+/-0.064 χ^2/NDF: 1409.1/43

- sign -7.016+/-0.084 χ^2/NDF: 552.9/22

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -5.681+/-0.150 χ^2/NDF:4436.5/4

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

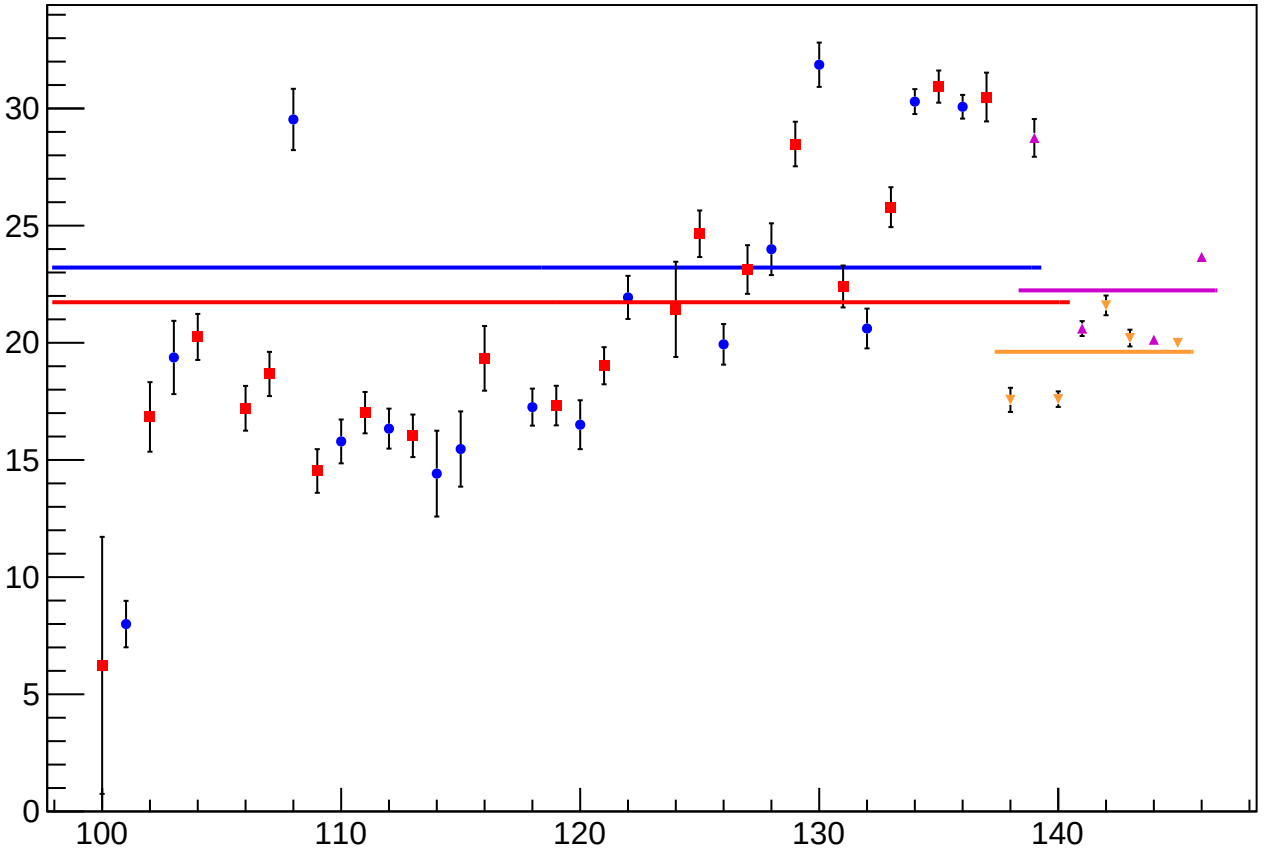
Left In: -2.273+/-0.135 χ^2/NDF:3122.3/3

\+ sign -9.534+/-0.122 χ^2/NDF: 6979.5/20

All: -7.469+/-0.083 χ^2/NDF: 13830.3/43

\- sign -5.684+/-0.113 χ^2/NDF: 6316.4/22

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 19.617+/-0.137 χ^2/NDF:81.9/4

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

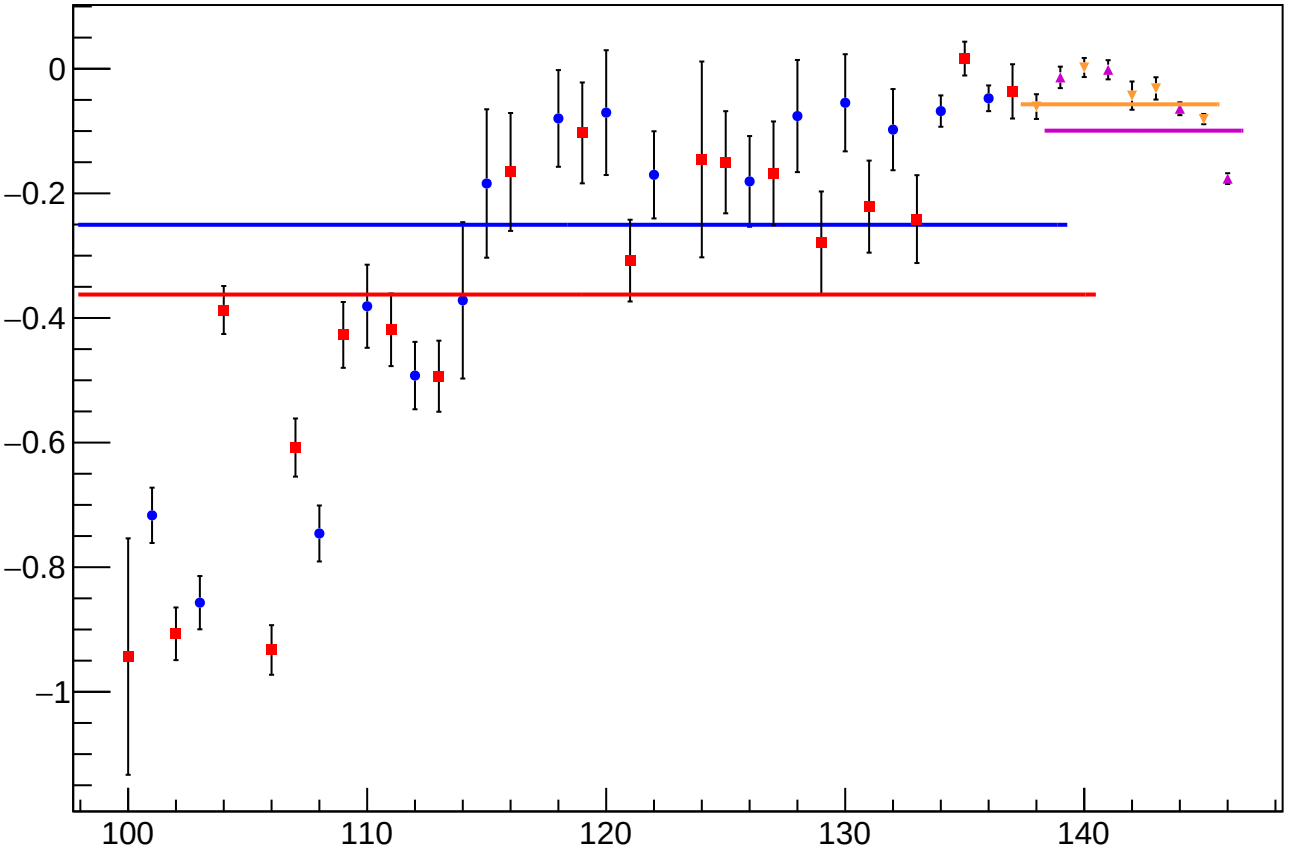
Left In: 22.237+/-0.112 χ^2/NDF:291.8/3

+ sign 20.629+/-0.116 χ^2/NDF: 1285.2/20

All: 21.489+/-0.076 χ^2/NDF: 2236.1/43

- sign 22.136+/-0.100 χ^2/NDF: 854.1/22

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.057+/-0.006 χ^2/NDF:25.6/4

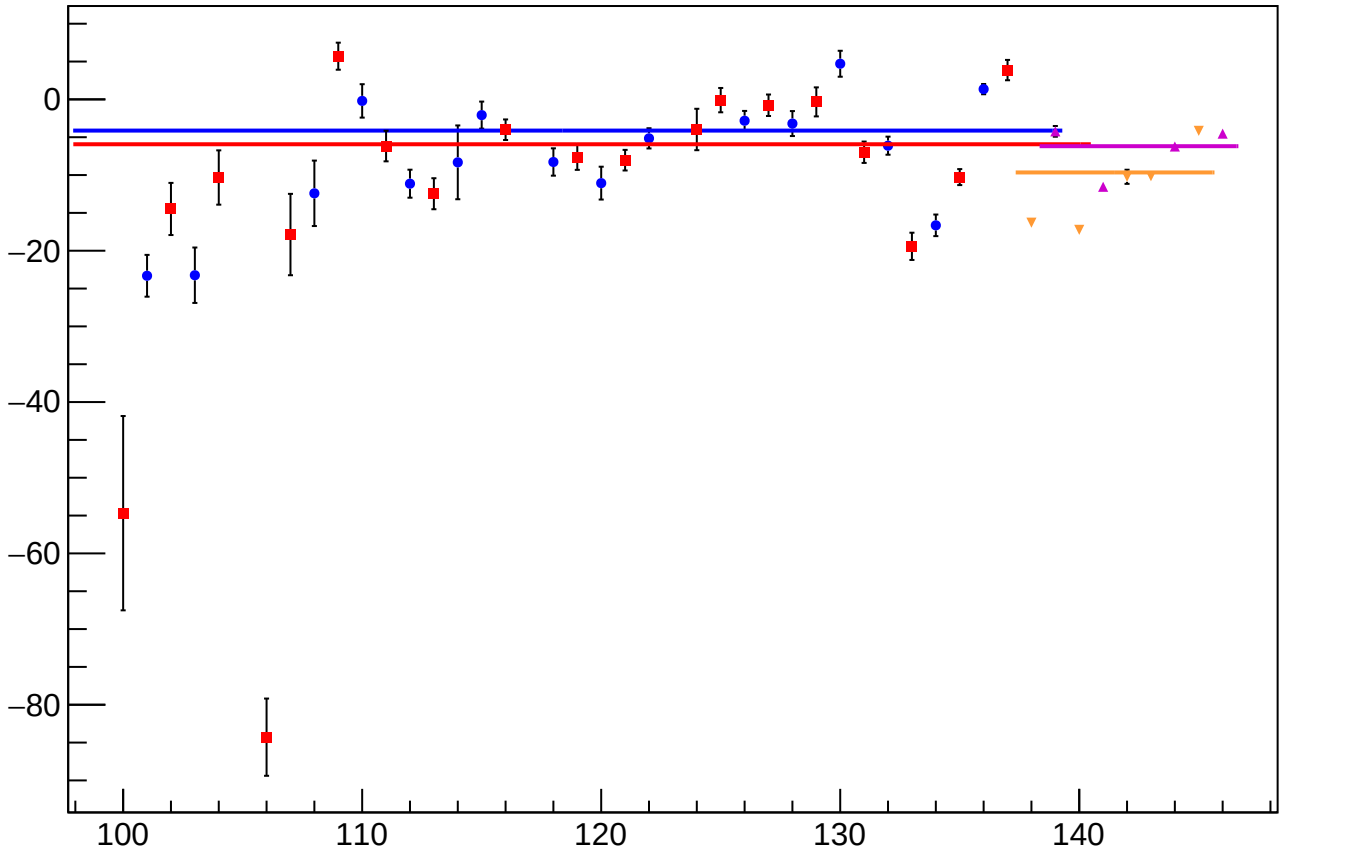
Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.099+/-0.006 χ^2/NDF:156.0/3

+ sign -0.099+/-0.005 χ^2/NDF: 874.6/20

All: -0.124+/-0.004 χ^2/NDF: 2147.2/43

- sign -0.146+/-0.005 χ^2/NDF: 1233.5/22



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -9.656+/-0.247 χ^2/NDF:511.8/4

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

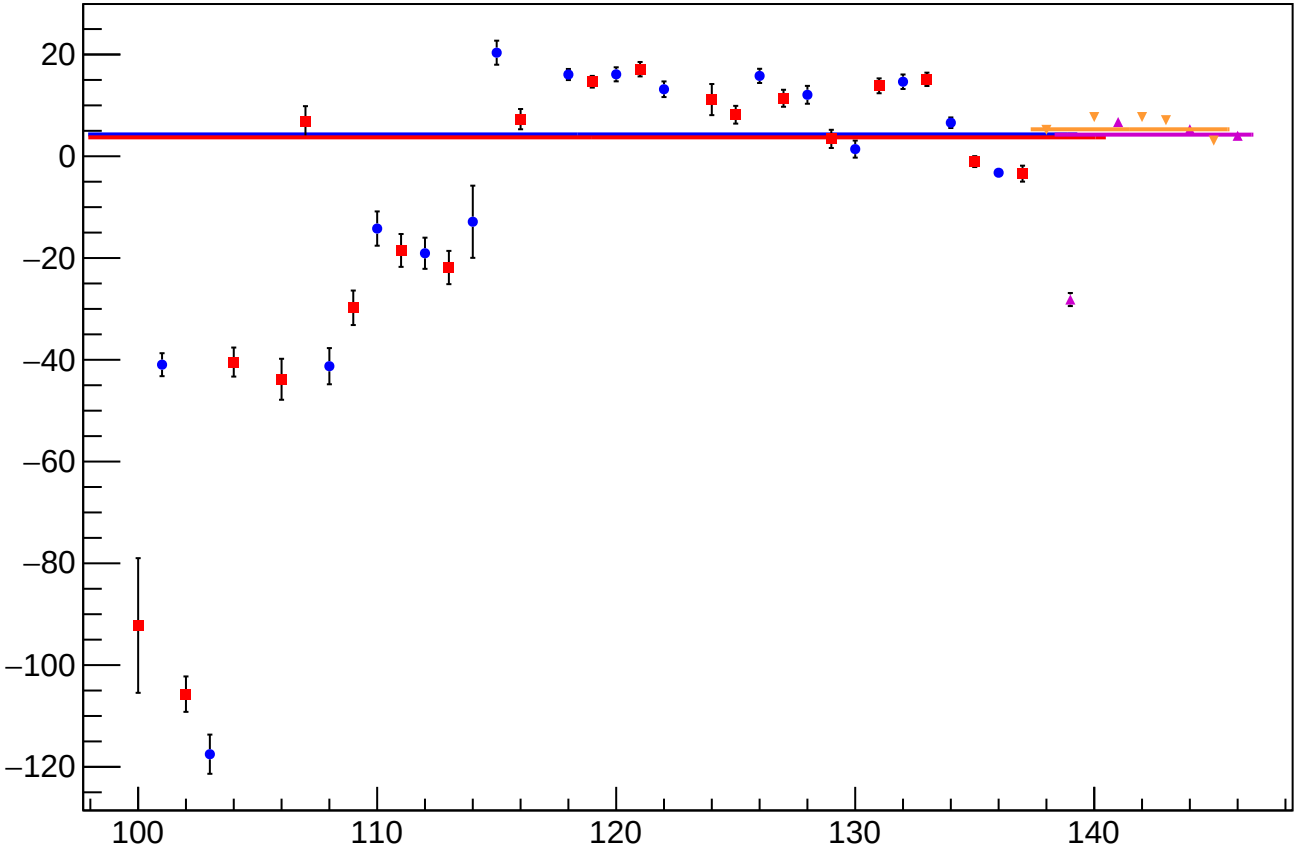
Left In: -6.186+/-0.248 χ^2/NDF:97.2/3

+ sign -8.020+/-0.208 χ^2/NDF: 947.6/20

All: -7.087+/-0.148 χ^2/NDF: 1569.0/43

- sign -6.117+/-0.212 χ^2/NDF: 580.2/22

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.301+/-0.198 χ^2/NDF:112.8/4

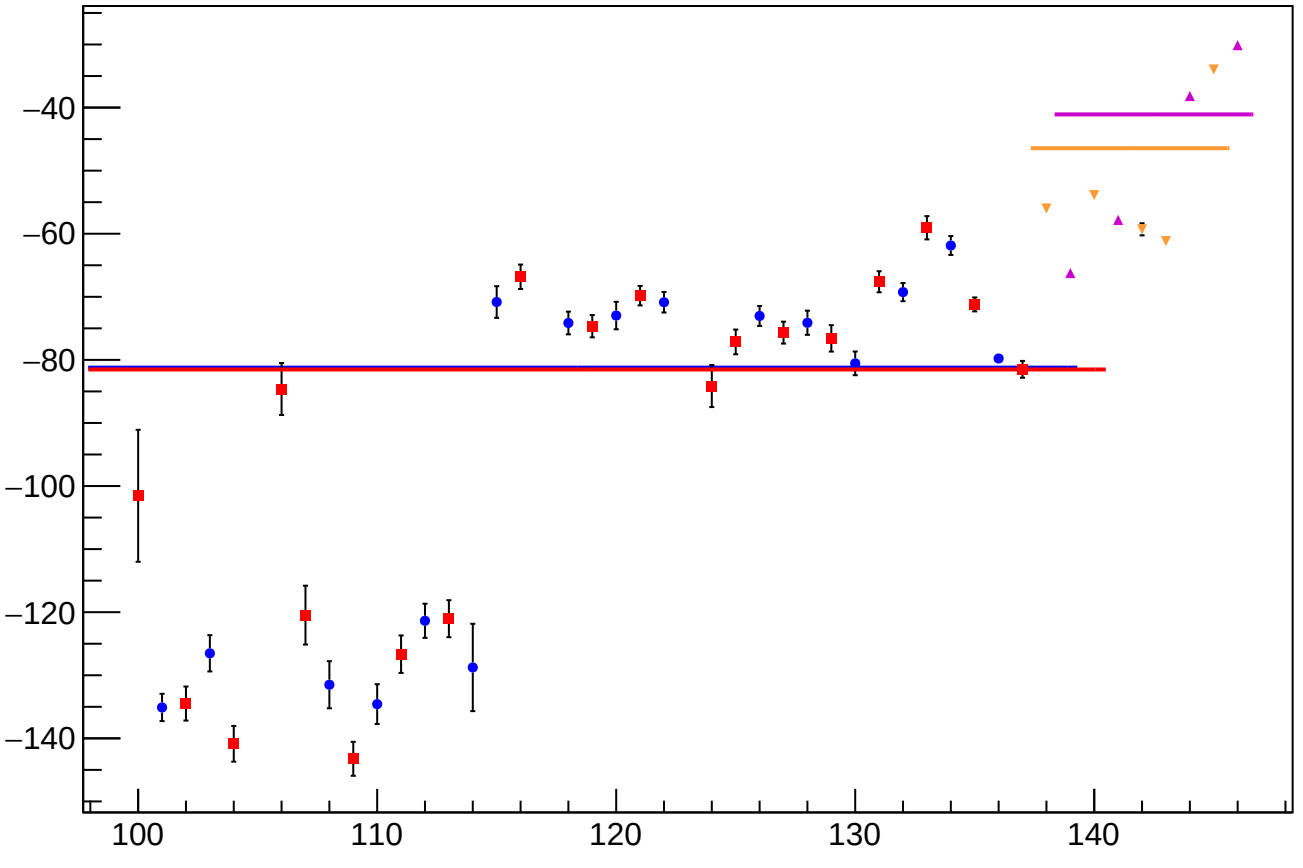
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.250+/-0.176 χ^2/NDF:677.5/3

+ sign 5.091+/-0.176 χ^2/NDF: 2287.3/20

All: 4.595+/-0.119 χ^2/NDF: 4988.2/43

- sign 4.171+/-0.163 χ^2/NDF: 2686.1/22



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -46.441+/-0.255 χ^2/NDF:2087.7/4

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

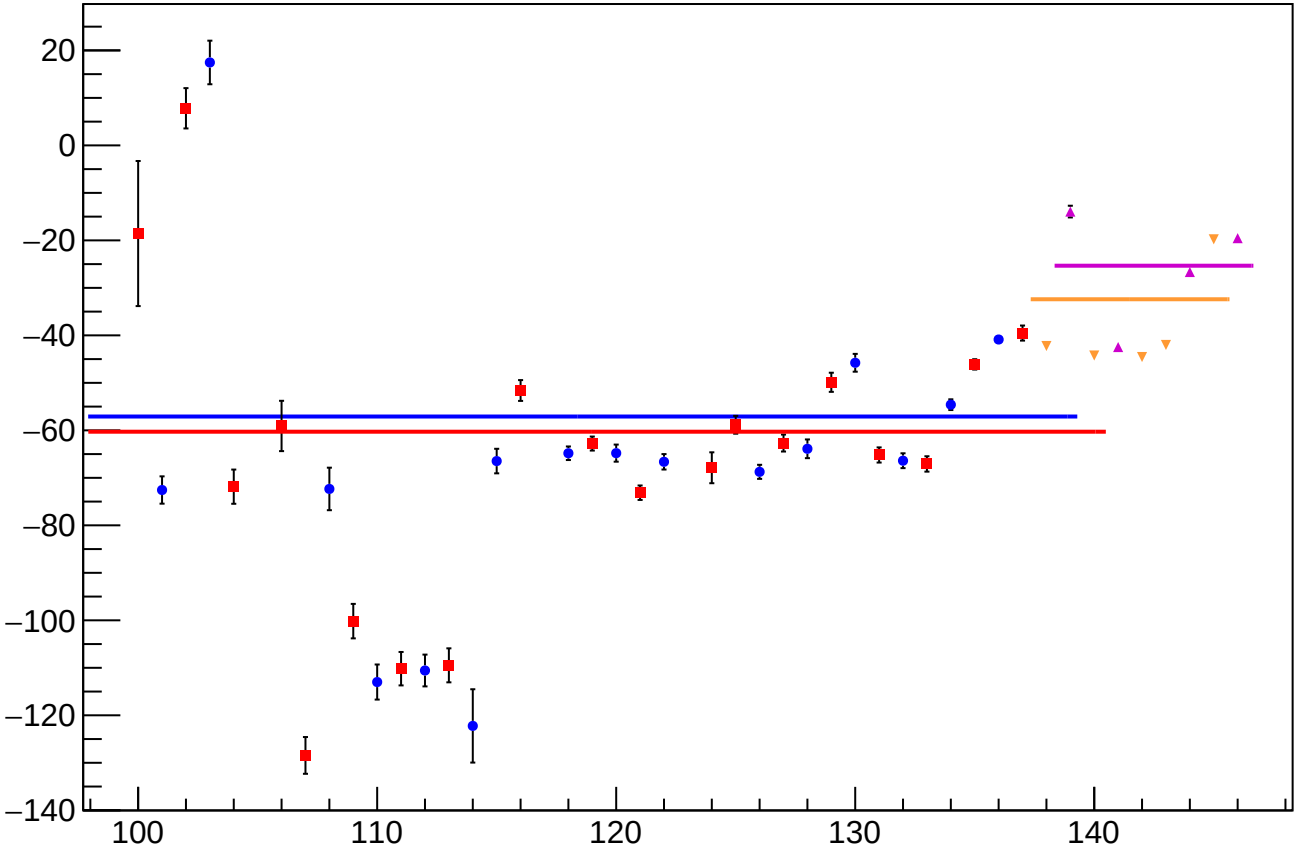
Left In: -41.084+/-0.249 χ^2/NDF:2659.9/3

+ sign -55.939+/-0.218 χ^2/NDF: 9123.1/20

All: -53.089+/-0.154 χ^2/NDF: 20365.1/43

- sign -50.202+/-0.219 χ^2/NDF: 10897.4/22

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.398+/-0.231 χ^2/NDF:2576.5/4

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

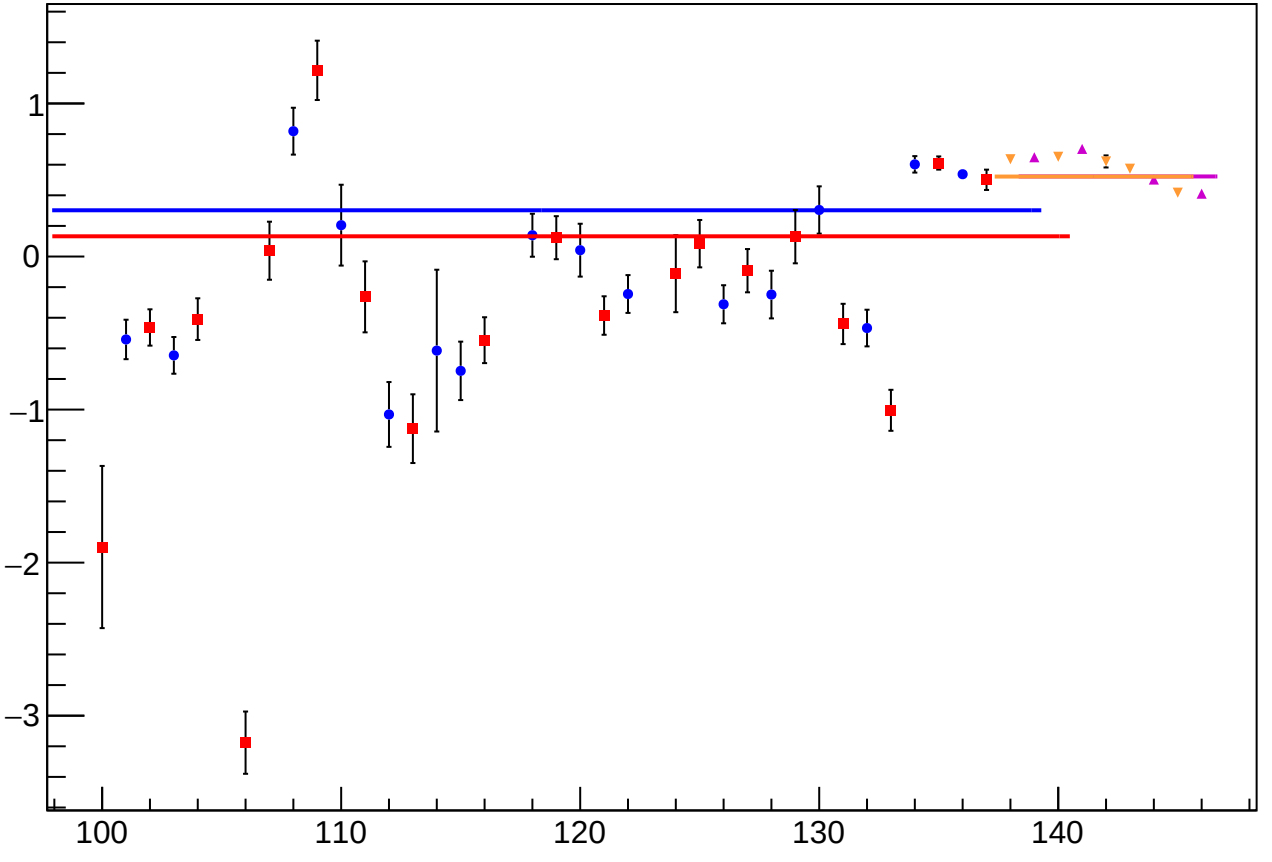
Left In: -25.334+/-0.212 χ^2/NDF:1441.5/3

+ sign -38.022+/-0.203 χ^2/NDF: 6700.8/20

All: -34.473+/-0.140 χ^2/NDF: 14904.8/43

- sign -31.256+/-0.193 χ^2/NDF: 7622.4/22

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.523+/-0.010 χ^2/NDF:100.6/4

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

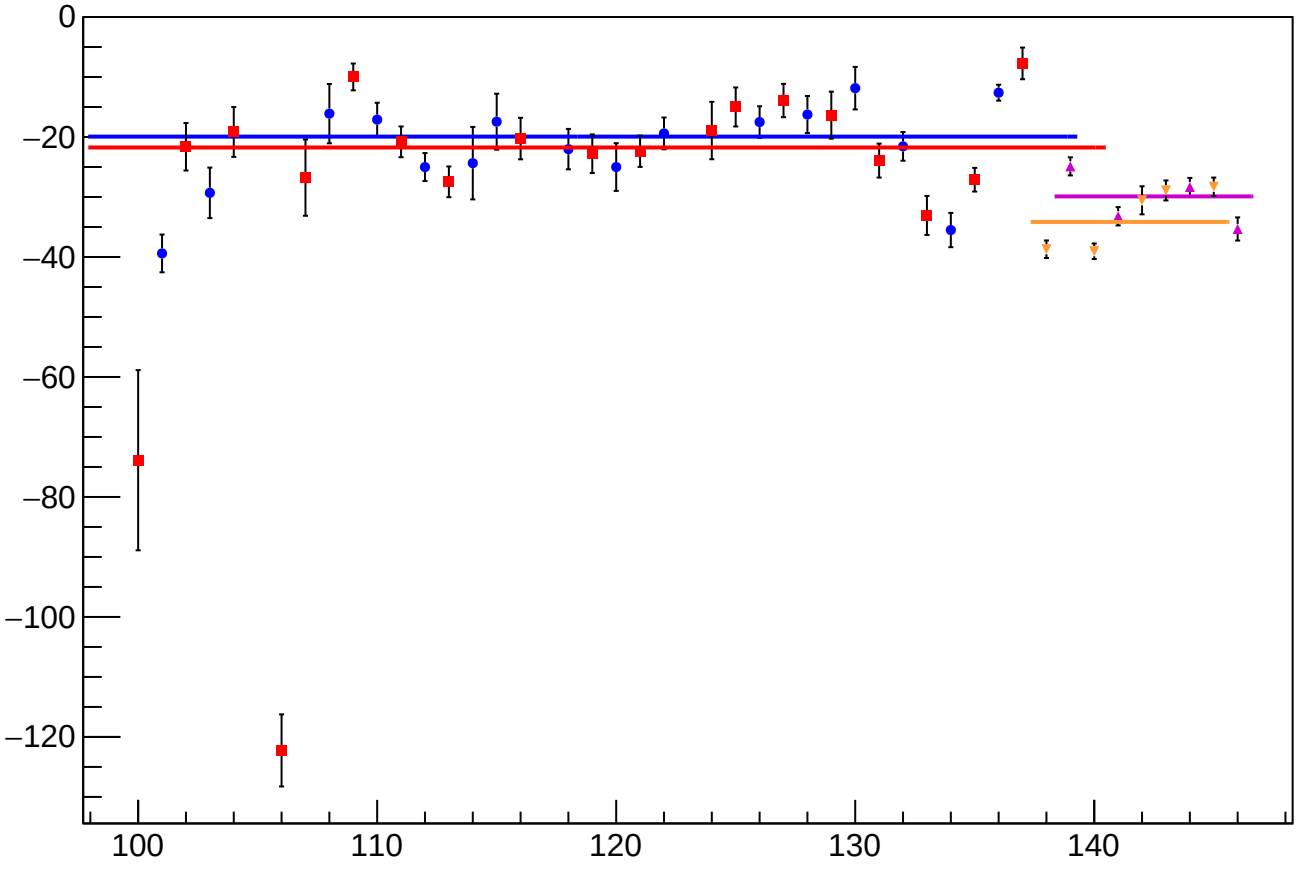
Left In: 0.523+/-0.011 χ^2/NDF:113.3/3

+ sign 0.485+/-0.010 χ^2/NDF: 551.7/20

All: 0.478+/-0.007 χ^2/NDF: 1526.8/43

- sign 0.470+/-0.010 χ^2/NDF: 973.9/22

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.158+/-0.701 χ^2/NDF:50.8/4

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

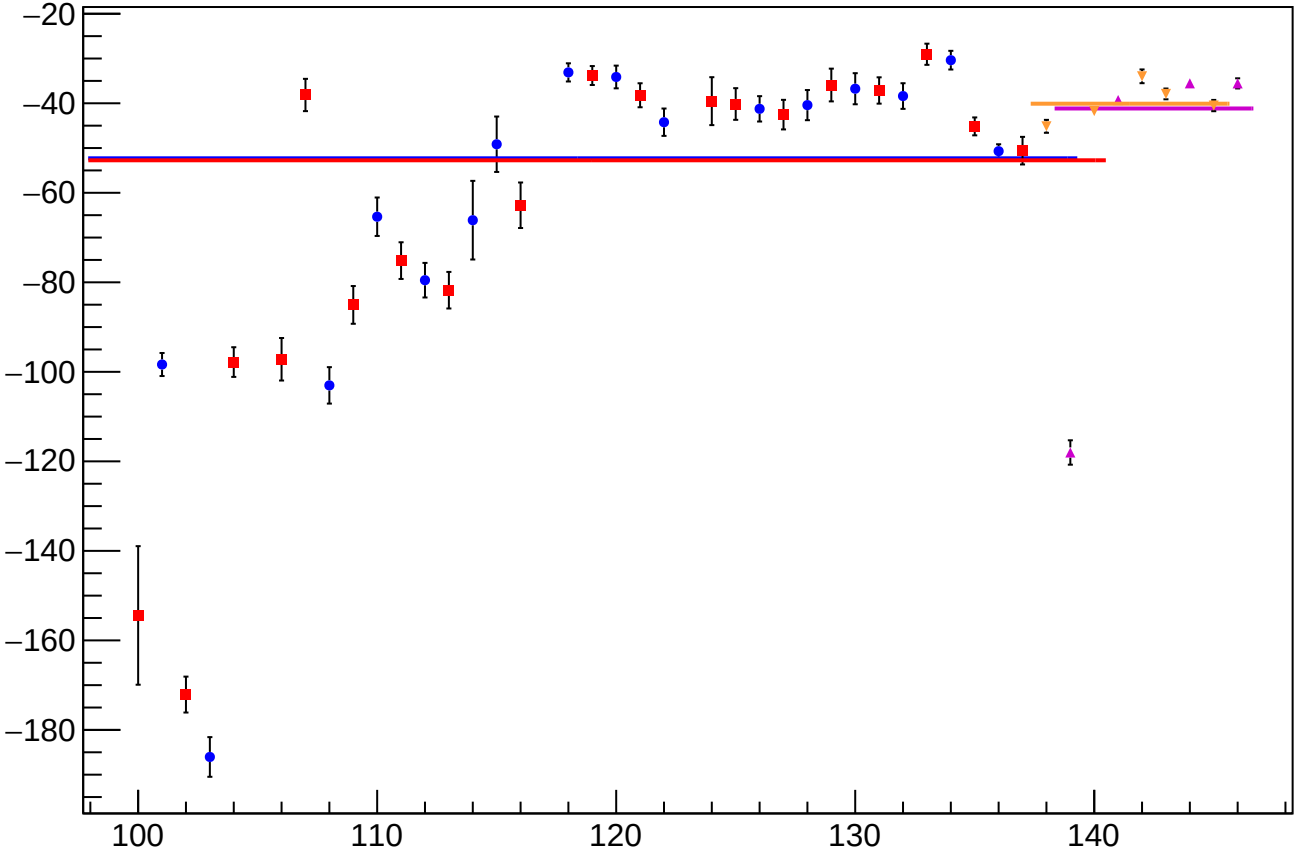
Left In: -29.901+/-0.798 χ^2/NDF:24.7/3

+ sign -26.979+/-0.494 χ^2/NDF: 378.9/20

All: -26.234+/-0.362 χ^2/NDF: 854.9/43

- sign -25.368+/-0.532 χ^2/NDF: 471.0/22

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -40.094+/-0.569 χ^2/NDF:33.9/4

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

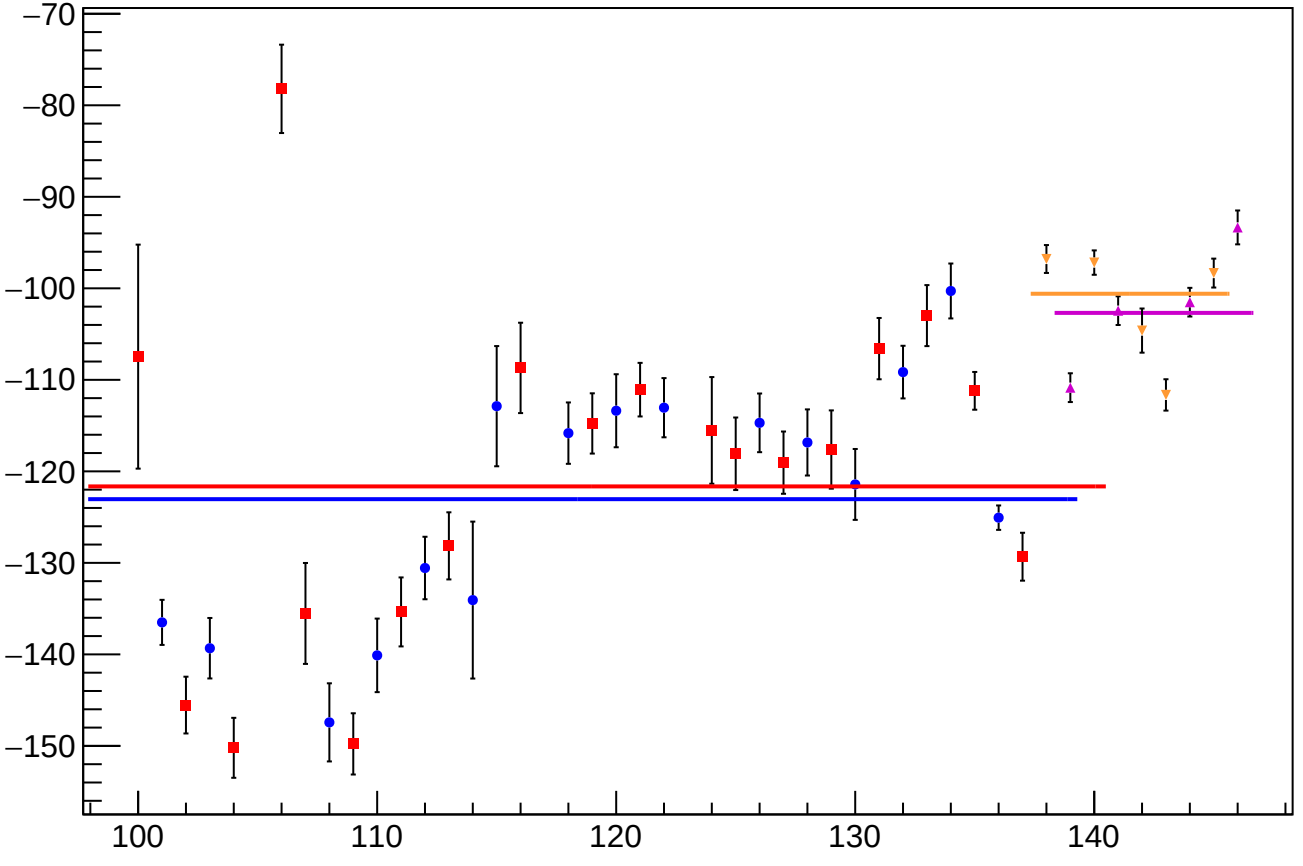
Left In: -41.164+/-0.631 χ^2/NDF:846.9/3

+ sign -44.885+/-0.444 χ^2/NDF: 1992.4/20

All: -45.386+/-0.327 χ^2/NDF: 4644.4/43

- sign -45.978+/-0.483 χ^2/NDF: 2649.2/22

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -100.593+/-0.724 χ^2/NDF:59.2/4

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

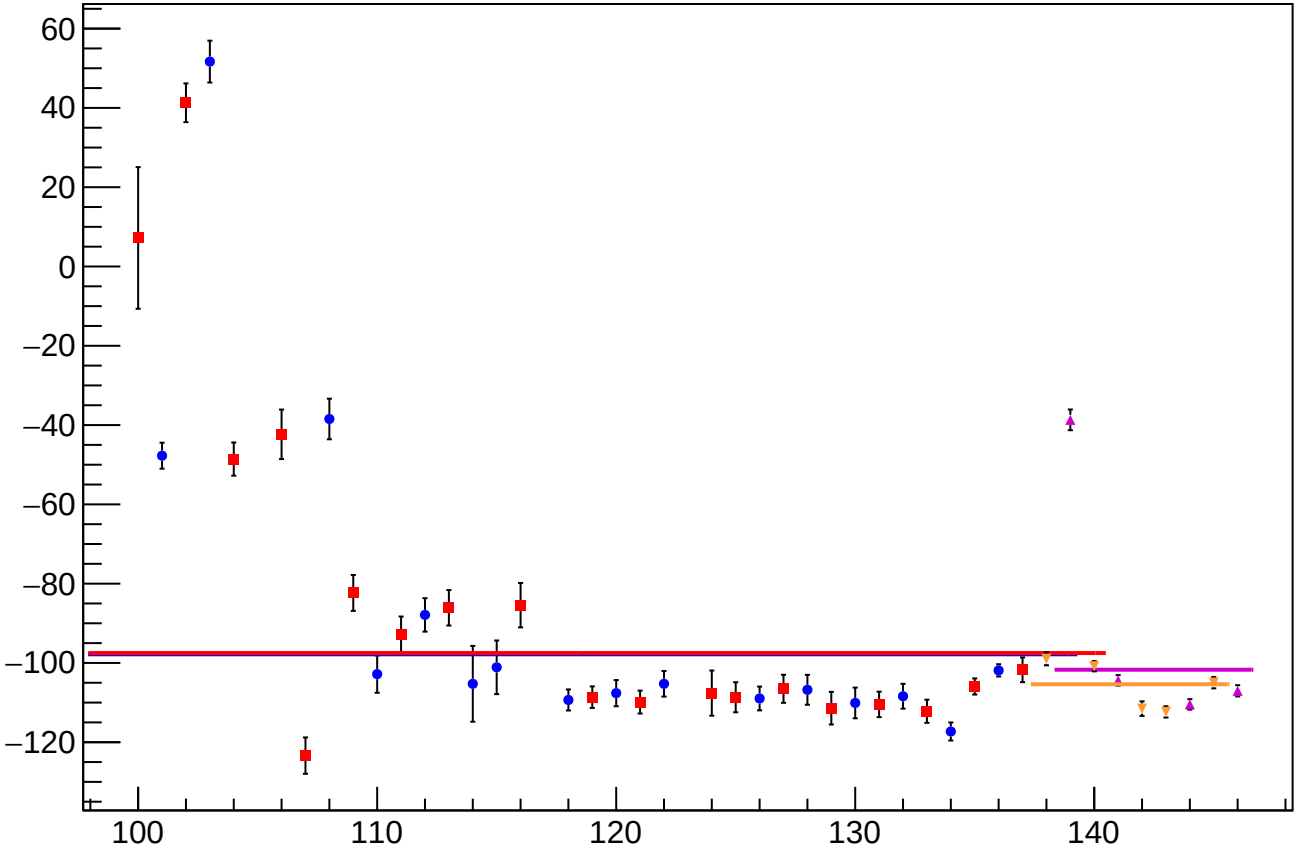
Left In: -102.685+/-0.814 χ^2/NDF:53.0/3

+ sign -111.422+/-0.521 χ^2/NDF: 749.6/20

All: -111.826+/-0.385 χ^2/NDF: 1504.2/43

- sign -112.310+/-0.571 χ^2/NDF: 753.3/22

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.375+/-0.669 χ^2/NDF:62.6/4

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

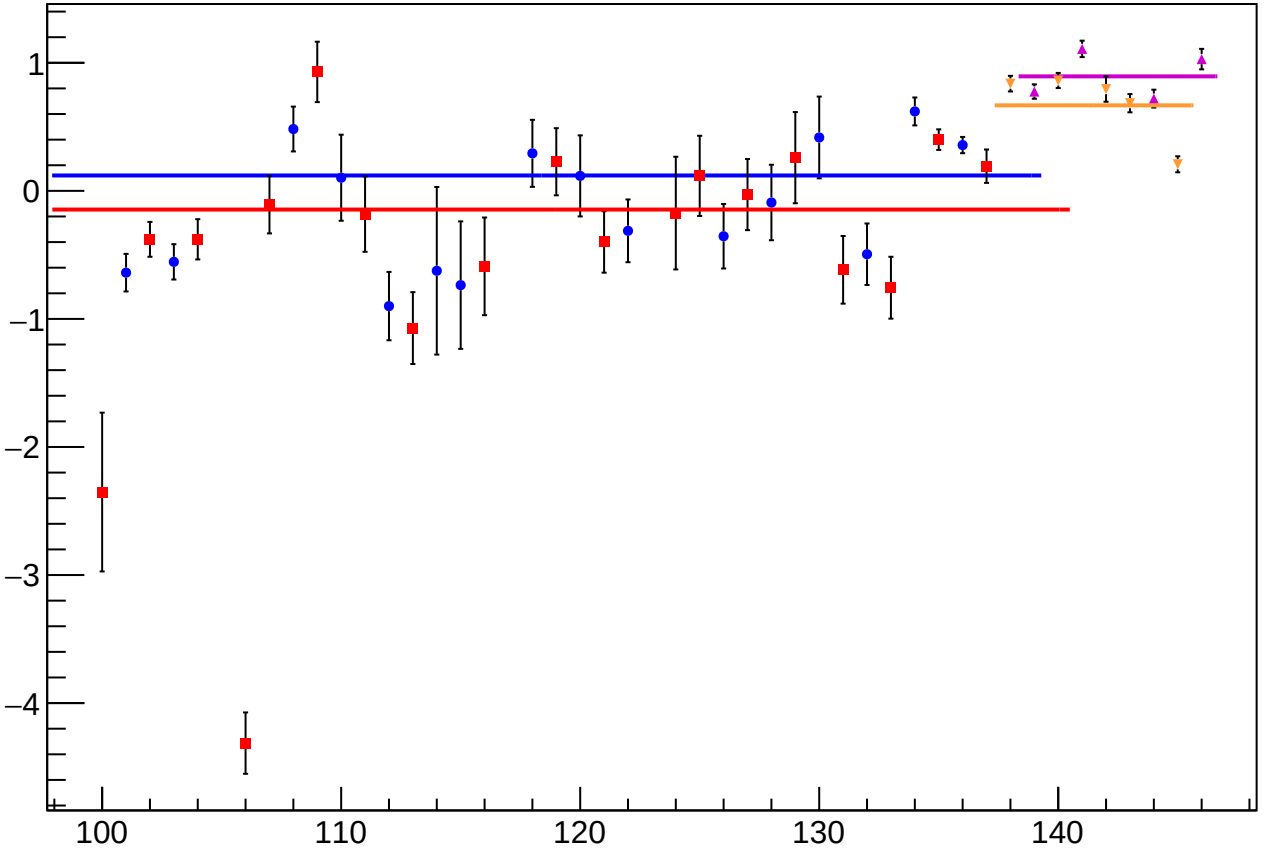
Left In: -101.709+/-0.748 χ^2/NDF:643.1/3

+ sign -102.230+/-0.511 χ^2/NDF: 1446.5/20

All: -101.149+/-0.377 χ^2/NDF: 3349.8/43

- sign -99.856+/-0.559 χ^2/NDF: 1893.5/22

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.668+/-0.030 χ^2/NDF:74.3/4

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

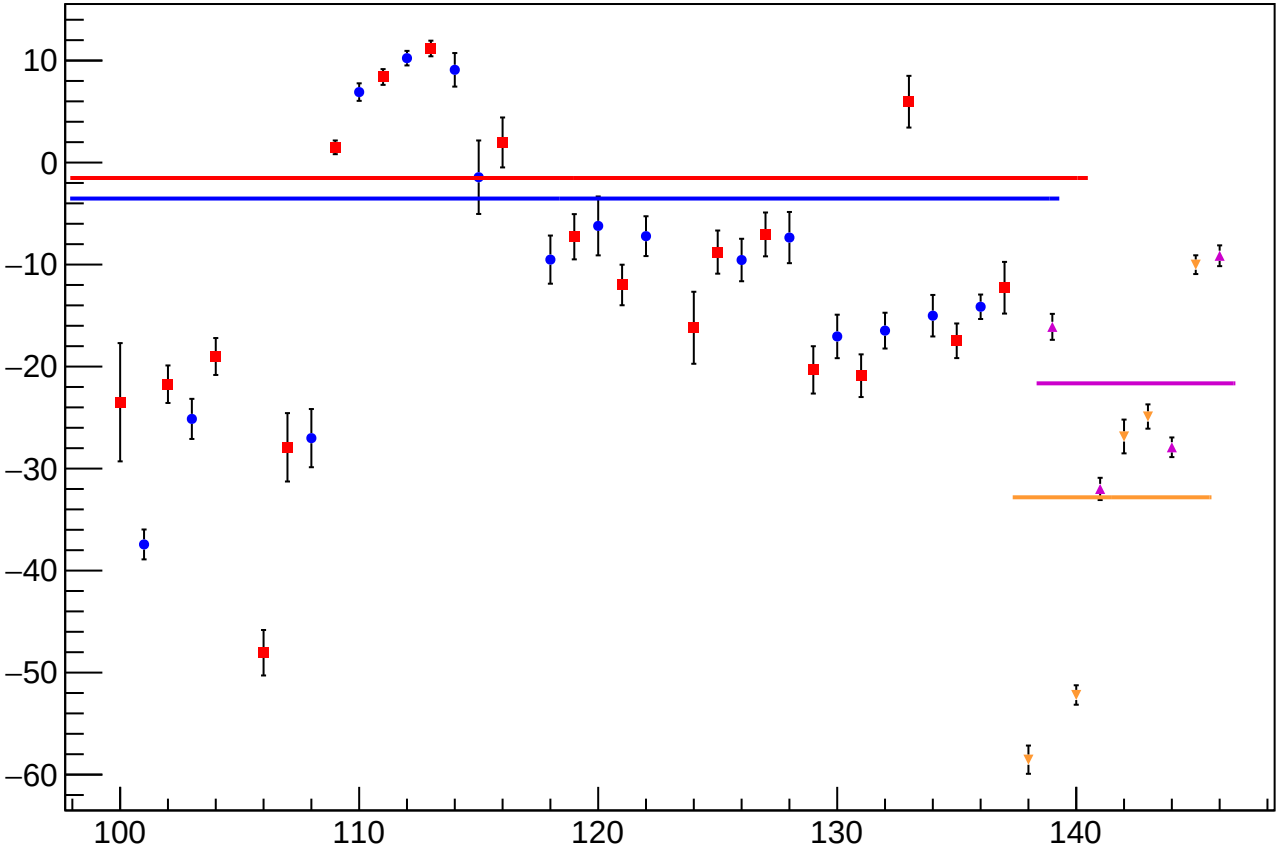
Left In: 0.894+/-0.033 χ^2/NDF:24.7/3

+ sign 0.478+/-0.024 χ^2/NDF: 313.5/20

All: 0.502+/-0.018 χ^2/NDF: 1110.3/43

- sign 0.530+/-0.027 χ^2/NDF: 794.7/22

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -32.815+/-0.508 χ^2/NDF:1430.4/4

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

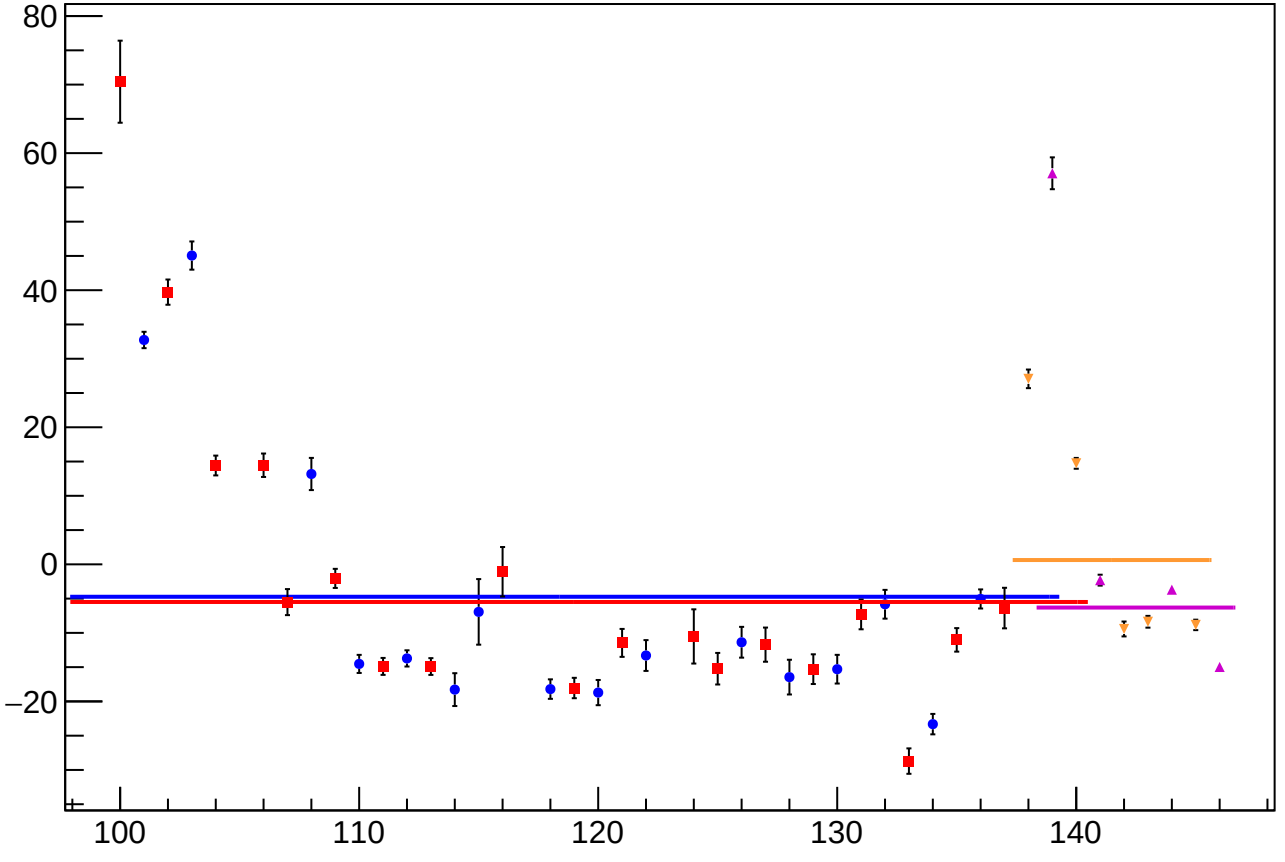
Left In: -21.644+/-0.535 χ^2/NDF:302.1/3

+ sign -13.919+/-0.303 χ^2/NDF: 5103.5/20

All: -10.408+/-0.208 χ^2/NDF: 8197.5/43

- sign -7.274+/-0.286 χ^2/NDF: 2839.2/22

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: 0.629+/-0.406 χ^2/NDF:1046.5/4

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

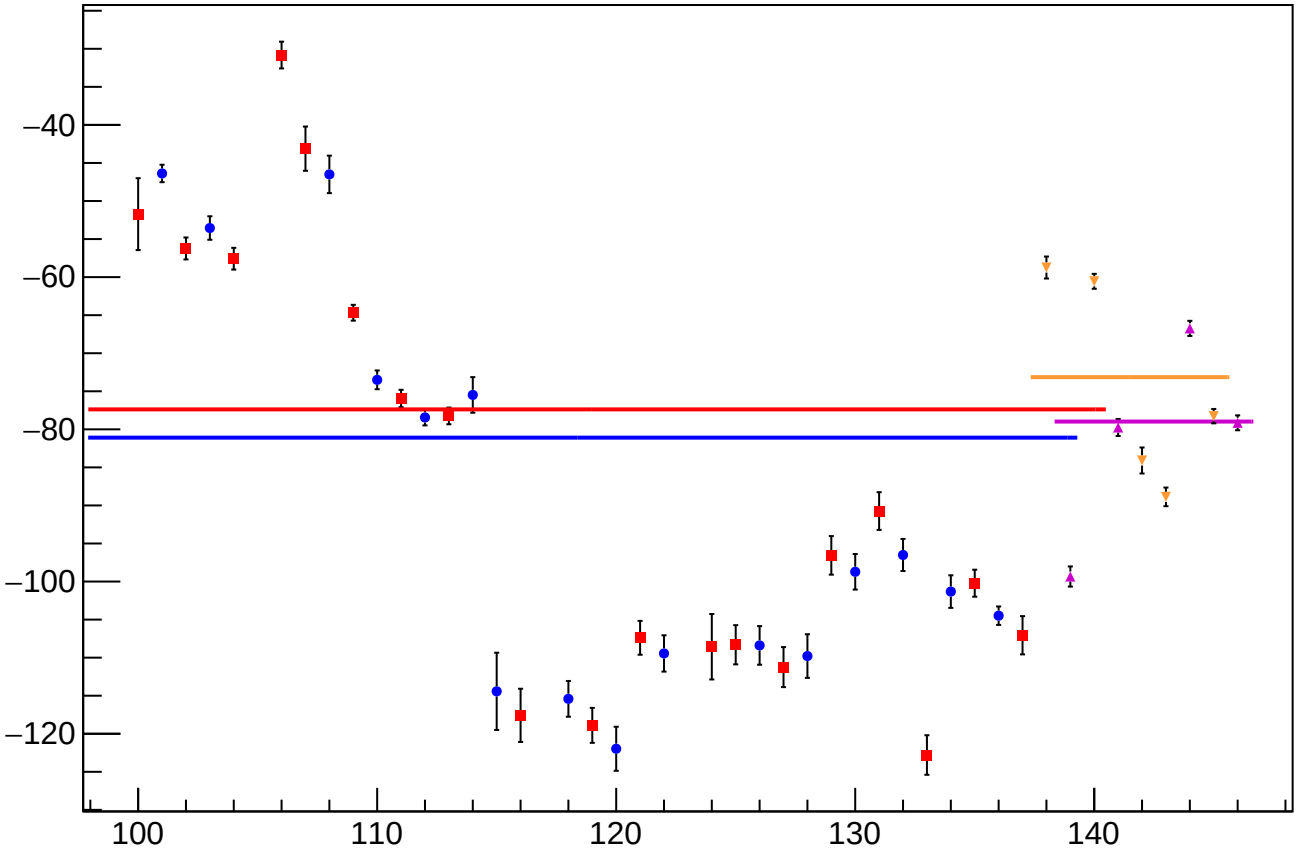
Left In: -6.306+/-0.395 χ^2/NDF:983.0/3

+ sign -1.894+/-0.296 χ^2/NDF: 3276.3/20

All: -3.960+/-0.206 χ^2/NDF: 5865.2/43

- sign -5.926+/-0.288 χ^2/NDF: 2493.6/22

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -73.143+/-0.523 χ^2/NDF:500.0/4

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

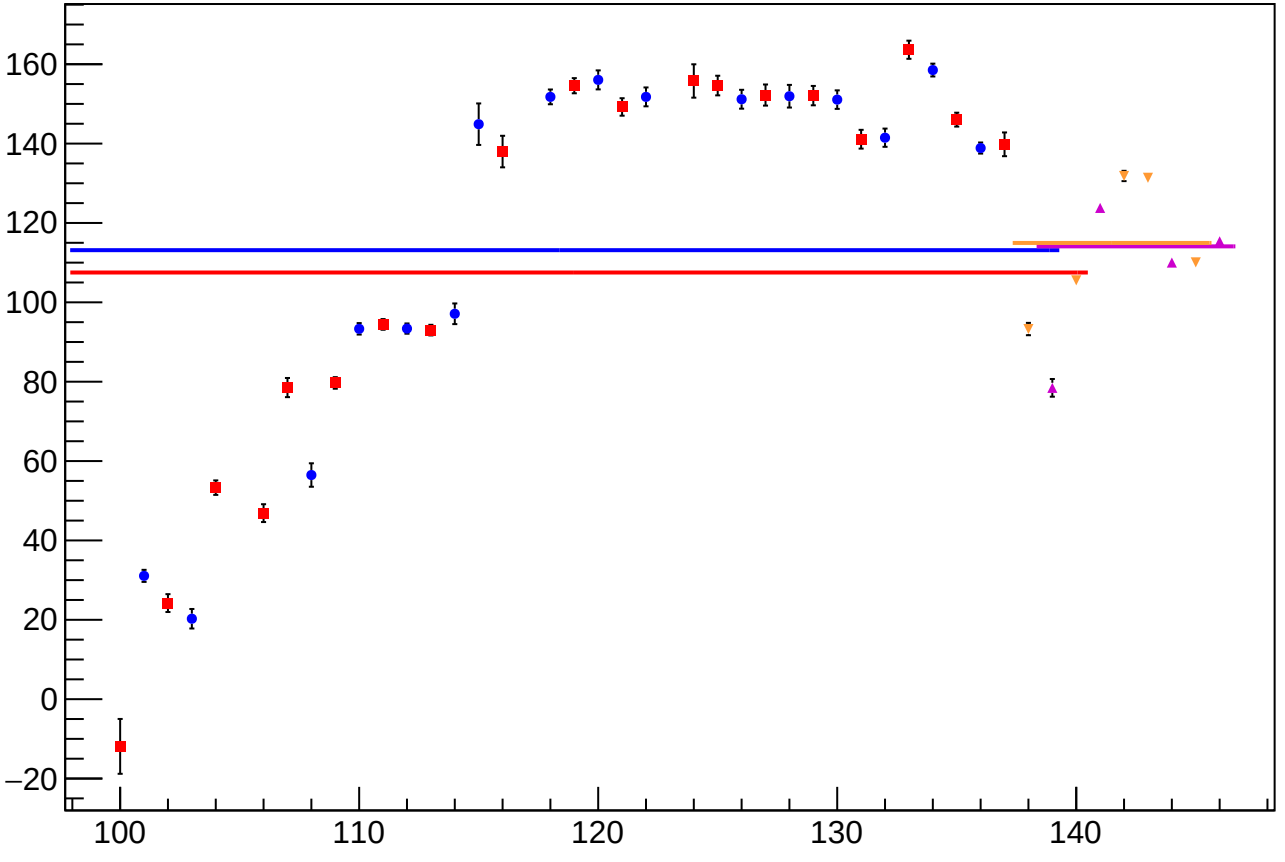
Left In: -78.978+/-0.540 χ^2/NDF:389.0/3

+ sign -77.815+/-0.336 χ^2/NDF: 3505.8/20

All: -77.897+/-0.235 χ^2/NDF: 7030.1/43

- sign -77.976+/-0.330 χ^2/NDF: 3524.1/22

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 114.965+/-0.477 χ^2/NDF:752.8/4

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

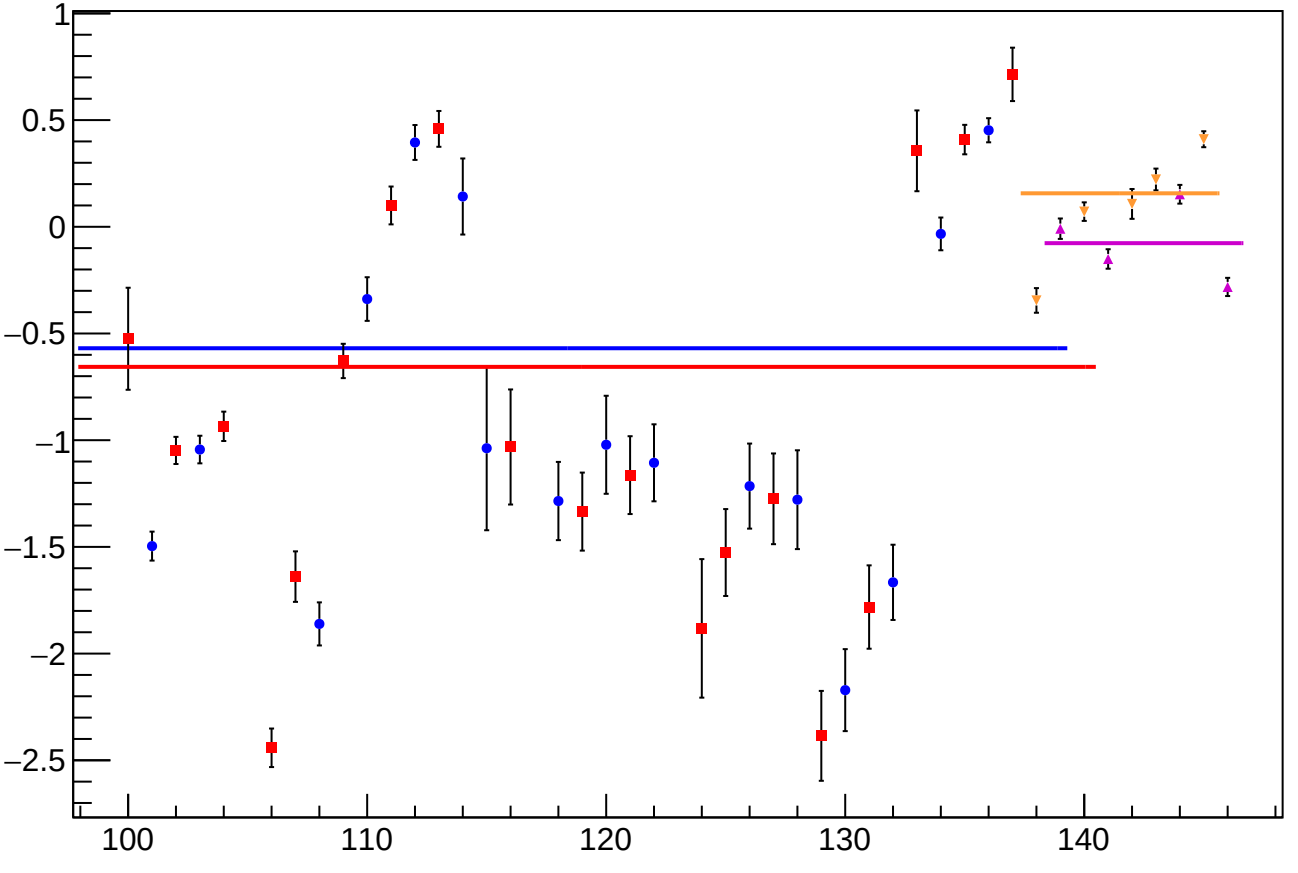
Left In: 114.102+/-0.472 χ^2/NDF:387.0/3

+ sign 114.076+/-0.342 χ^2/NDF: 8964.0/20

All: 112.442+/-0.240 χ^2/NDF: 17035.9/43

- sign 110.856+/-0.336 χ^2/NDF: 8026.8/22

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.157+/-0.022 χ^2/NDF:127.6/4

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

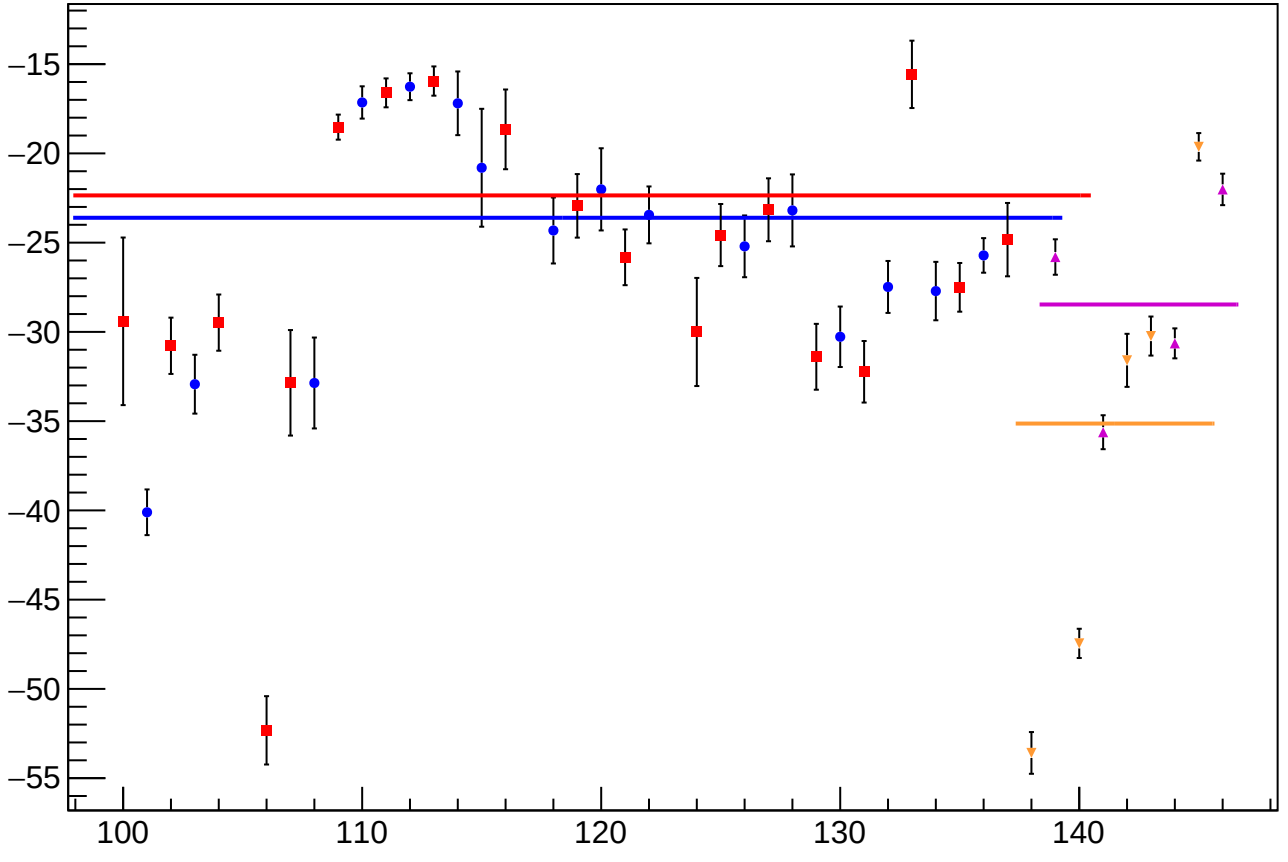
Left In: -0.077+/-0.022 χ^2/NDF:55.0/3

+ sign -0.143+/-0.017 χ^2/NDF: 1689.9/20

All: -0.237+/-0.012 χ^2/NDF: 3420.1/43

- sign -0.333+/-0.017 χ^2/NDF: 1665.2/22

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -35.135+/-0.439 χ^2/NDF:905.9/4

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

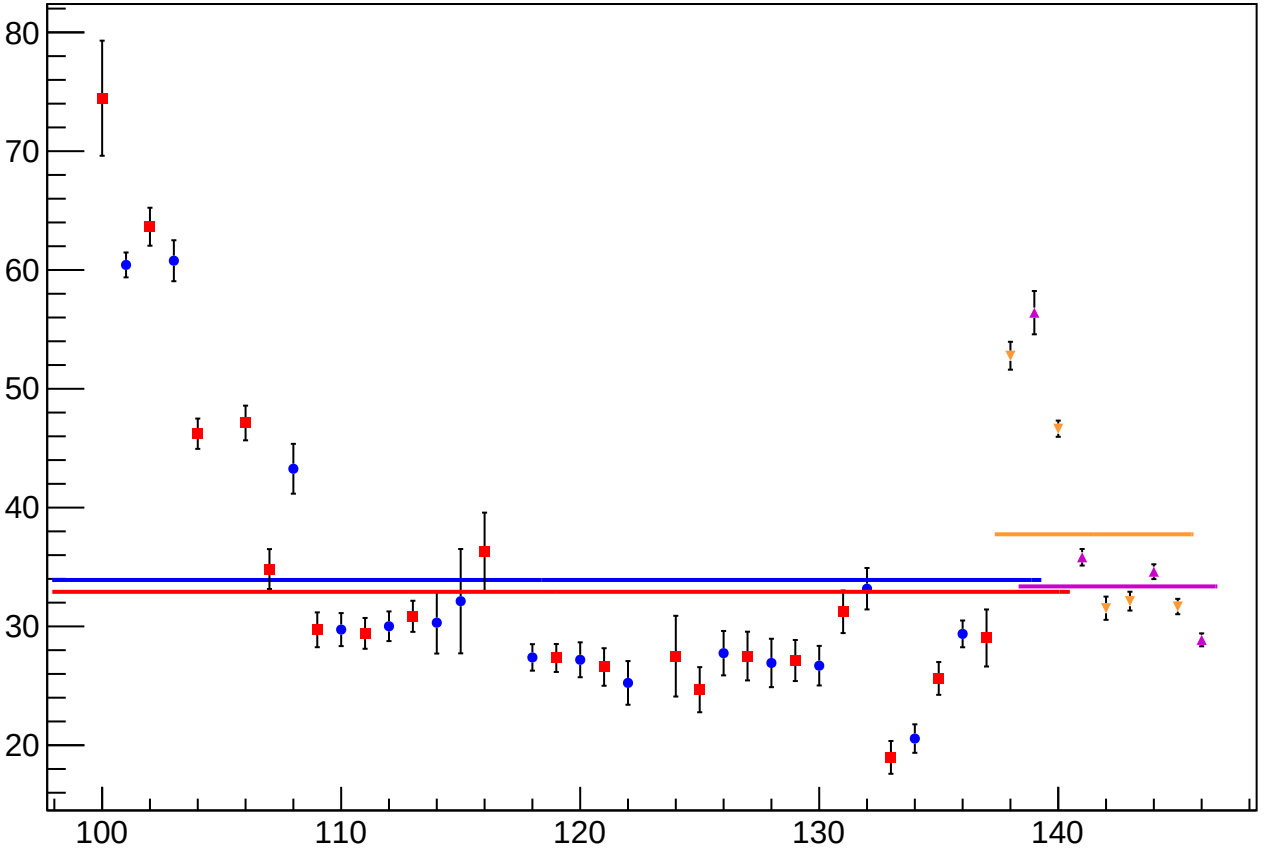
Left In: -28.465+/-0.455 χ^2/NDF:124.0/3

+ sign -28.064+/-0.273 χ^2/NDF: 1735.9/20

All: -26.158+/-0.189 χ^2/NDF: 2626.0/43

- sign -24.390+/-0.263 χ^2/NDF: 795.9/22

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 37.753+/-0.356 χ^2/NDF:513.2/4

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

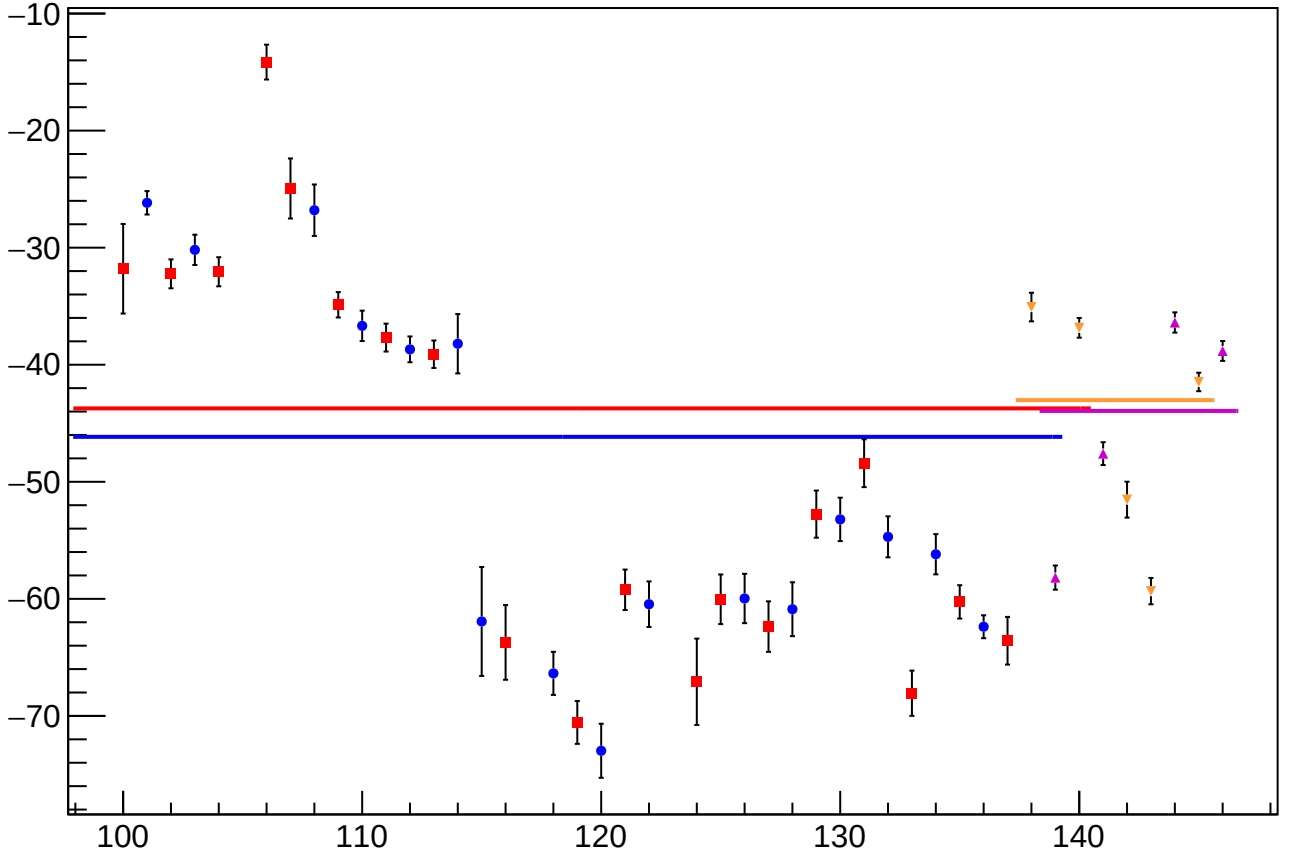
Left In: 33.366+/-0.347 χ^2/NDF:244.6/3

+ sign 35.935+/-0.258 χ^2/NDF: 1752.9/20

All: 34.521+/-0.181 χ^2/NDF: 2932.2/43

- sign 33.155+/-0.254 χ^2/NDF: 1120.4/22

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -43.023+/-0.452 χ^2/NDF:341.3/4

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

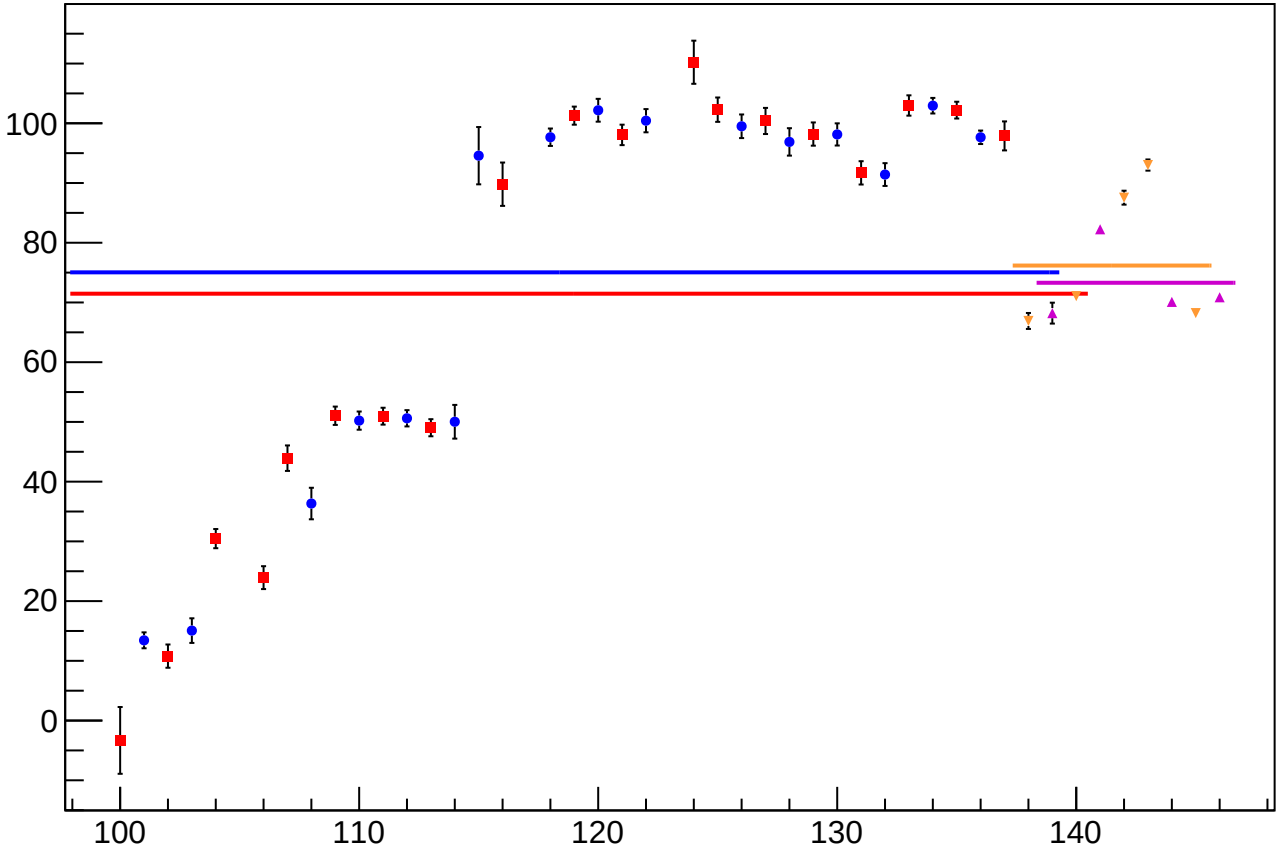
Left In: -43.947+/-0.461 χ^2/NDF:316.7/3

+ sign -44.821+/-0.295 χ^2/NDF: 1858.6/20

All: -44.315+/-0.208 χ^2/NDF: 3844.6/43

- sign -43.818+/-0.292 χ^2/NDF: 1980.2/22

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 76.182+/-0.416 χ^2/NDF:621.8/4

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

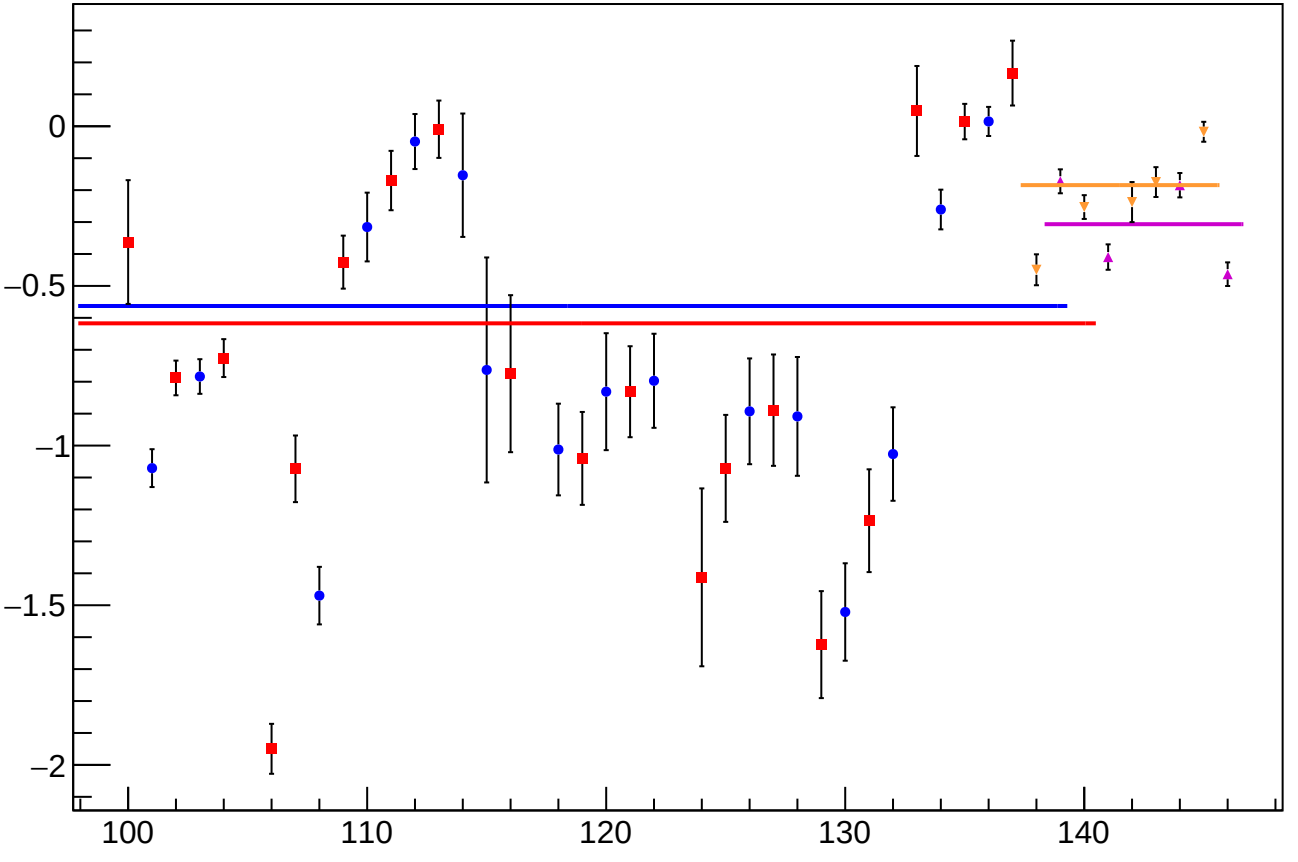
Left In: 73.297+/-0.412 χ^2/NDF:158.2/3

+ sign 75.627+/-0.298 χ^2/NDF: 6453.8/20

All: 74.007+/-0.210 χ^2/NDF: 12308.2/43

- sign 72.413+/-0.296 χ^2/NDF: 5795.9/22

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.184+/-0.019 χ^2/NDF:62.8/4

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

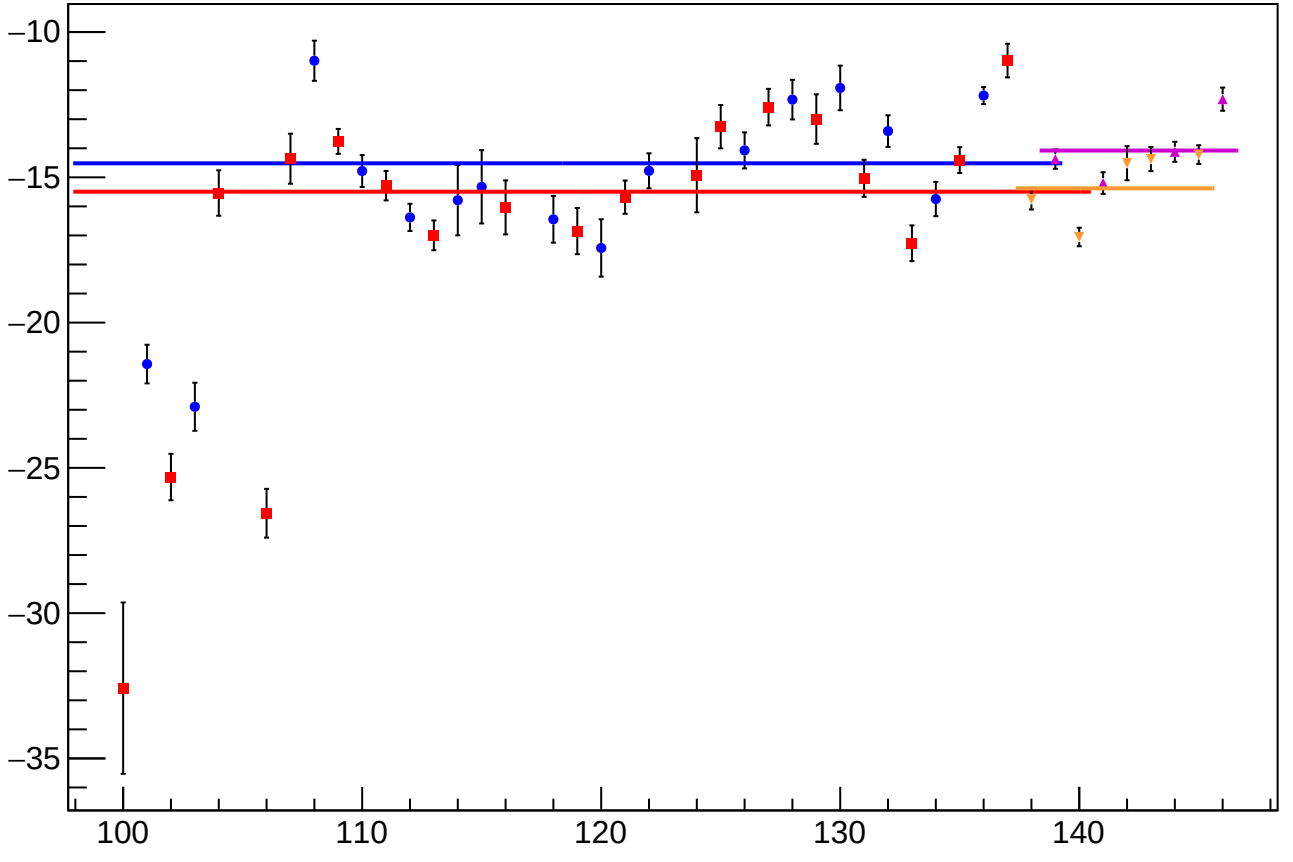
Left In: -0.307+/-0.019 χ^2/NDF:47.7/3

+ sign -0.340+/-0.014 χ^2/NDF: 726.2/20

All: -0.389+/-0.010 χ^2/NDF: 1600.0/43

- sign -0.438+/-0.014 χ^2/NDF: 850.5/22

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.380+/-0.166 χ^2/NDF:50.0/4

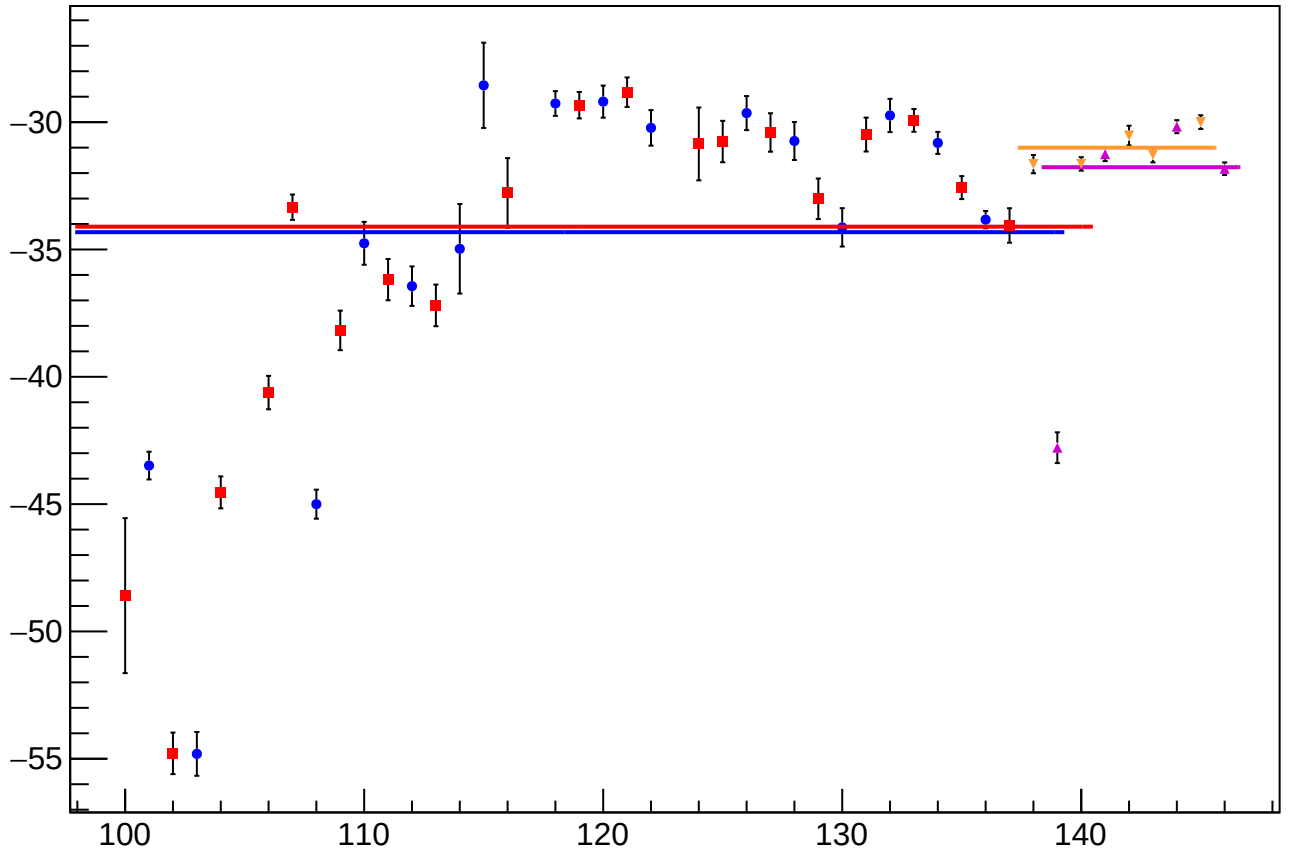
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.078+/-0.180 χ^2/NDF:29.4/3

+ sign -14.903+/-0.111 χ^2/NDF: 428.2/20

All: -14.908+/-0.080 χ^2/NDF: 998.0/43

- sign -14.914+/-0.115 χ^2/NDF: 569.8/22



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.004+/-0.137 χ^2/NDF:25.2/4

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

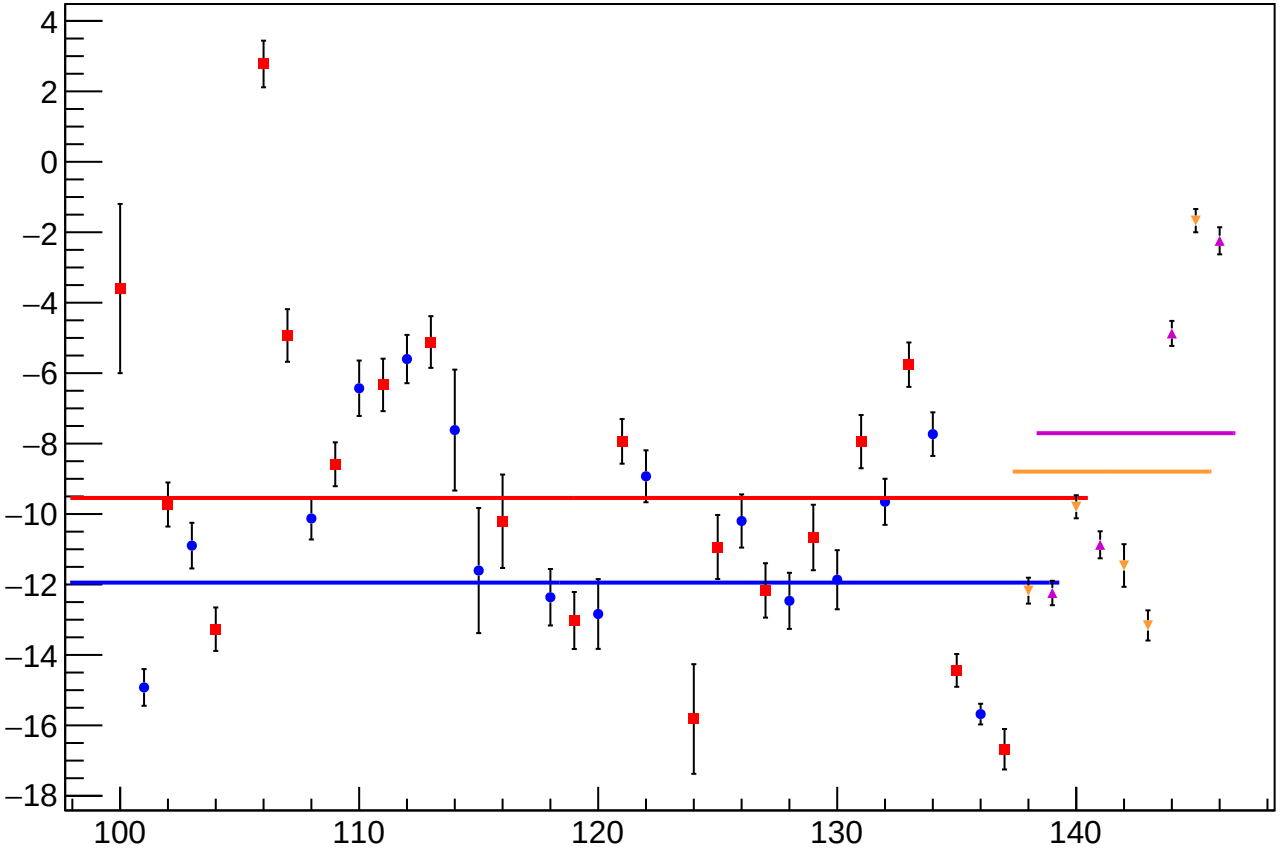
Left In: -31.769+/-0.145 χ^2/NDF:374.5/3

+ sign -32.474+/-0.102 χ^2/NDF: 1906.5/20

All: -32.662+/-0.073 χ^2/NDF: 3844.8/43

- sign -32.863+/-0.105 χ^2/NDF: 1931.3/22

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -8.795+/-0.171 χ^2/NDF:683.2/4

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

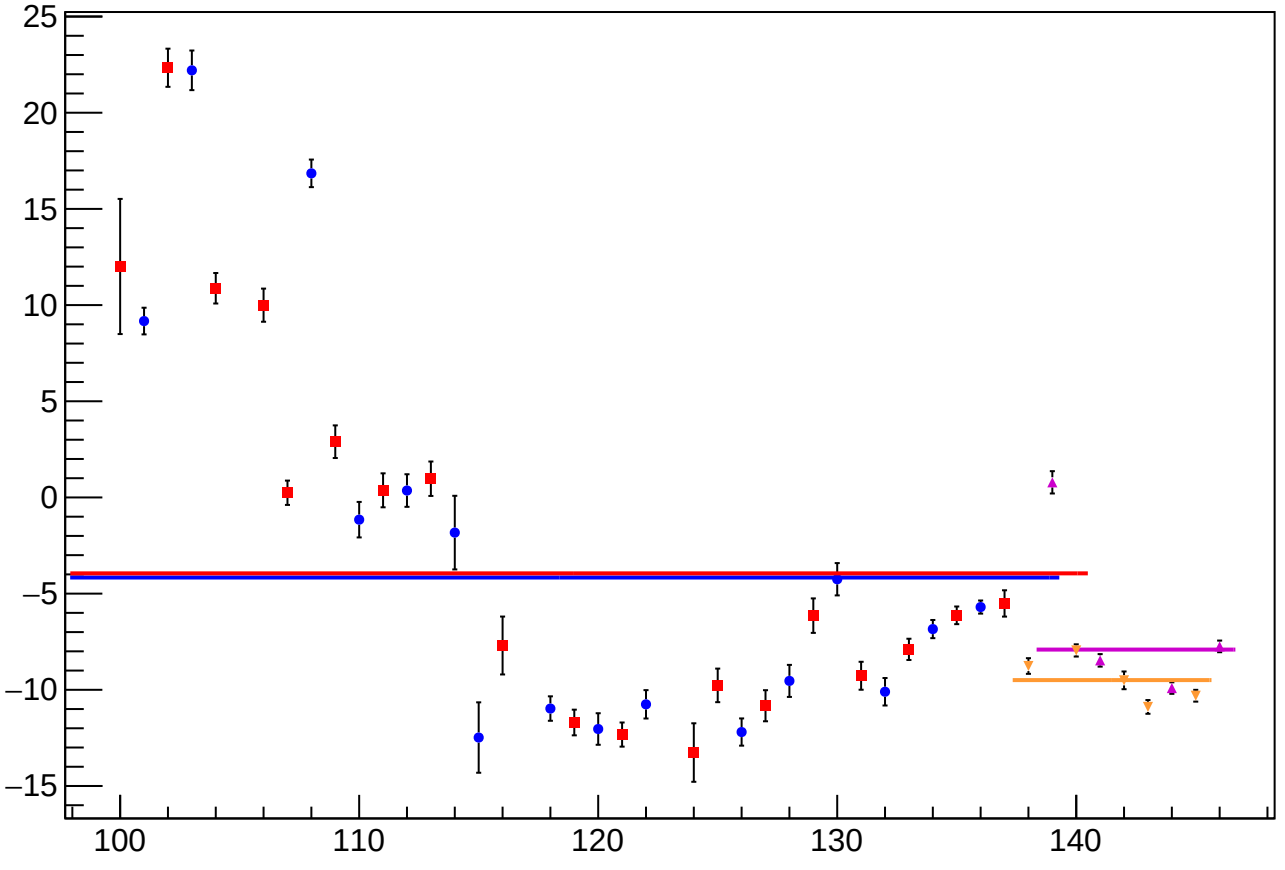
Left In: -7.704+/-0.183 χ^2/NDF:505.1/3

+ sign -10.476+/-0.117 χ^2/NDF: 1293.8/20

All: -9.639+/-0.085 χ^2/NDF: 2809.2/43

- sign -8.719+/-0.123 χ^2/NDF: 1407.8/22

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: -9.495+/-0.160 χ^2/NDF:49.0/4

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

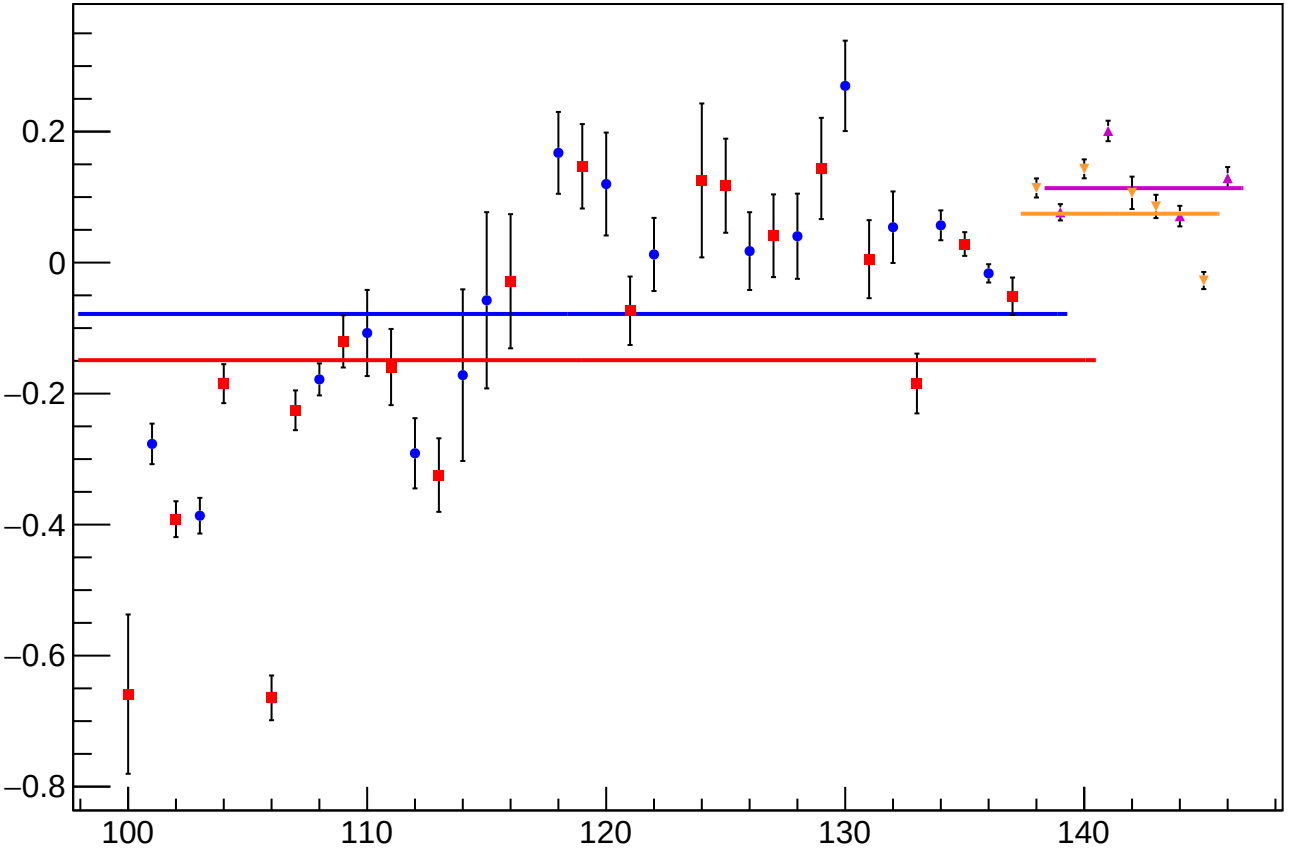
Left In: -7.909+/-0.170 χ^2/NDF:272.8/3

+ sign -7.022+/-0.117 χ^2/NDF: 3089.8/20

All: -6.531+/-0.085 χ^2/NDF: 5771.5/43

- sign -5.993+/-0.122 χ^2/NDF: 2644.8/22

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.075+/-0.007 χ^2/NDF:93.0/4

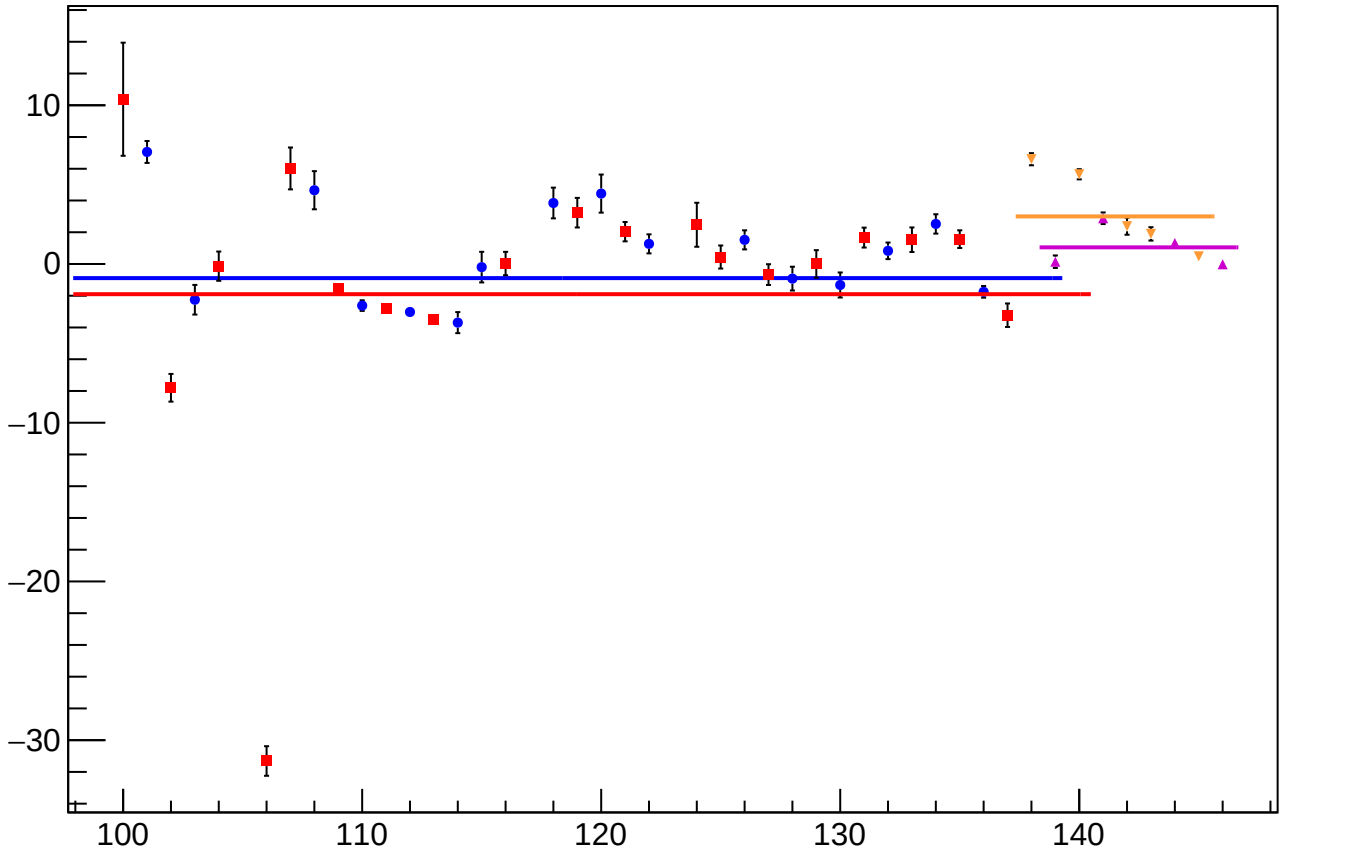
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.114+/-0.007 χ^2/NDF:48.2/3

+ sign 0.013+/-0.005 χ^2/NDF: 602.1/20

All: 0.011+/-0.004 χ^2/NDF: 1677.8/43

- sign 0.009+/-0.006 χ^2/NDF: 1075.4/22



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 2.998+/-0.154 χ^2/NDF:270.8/4

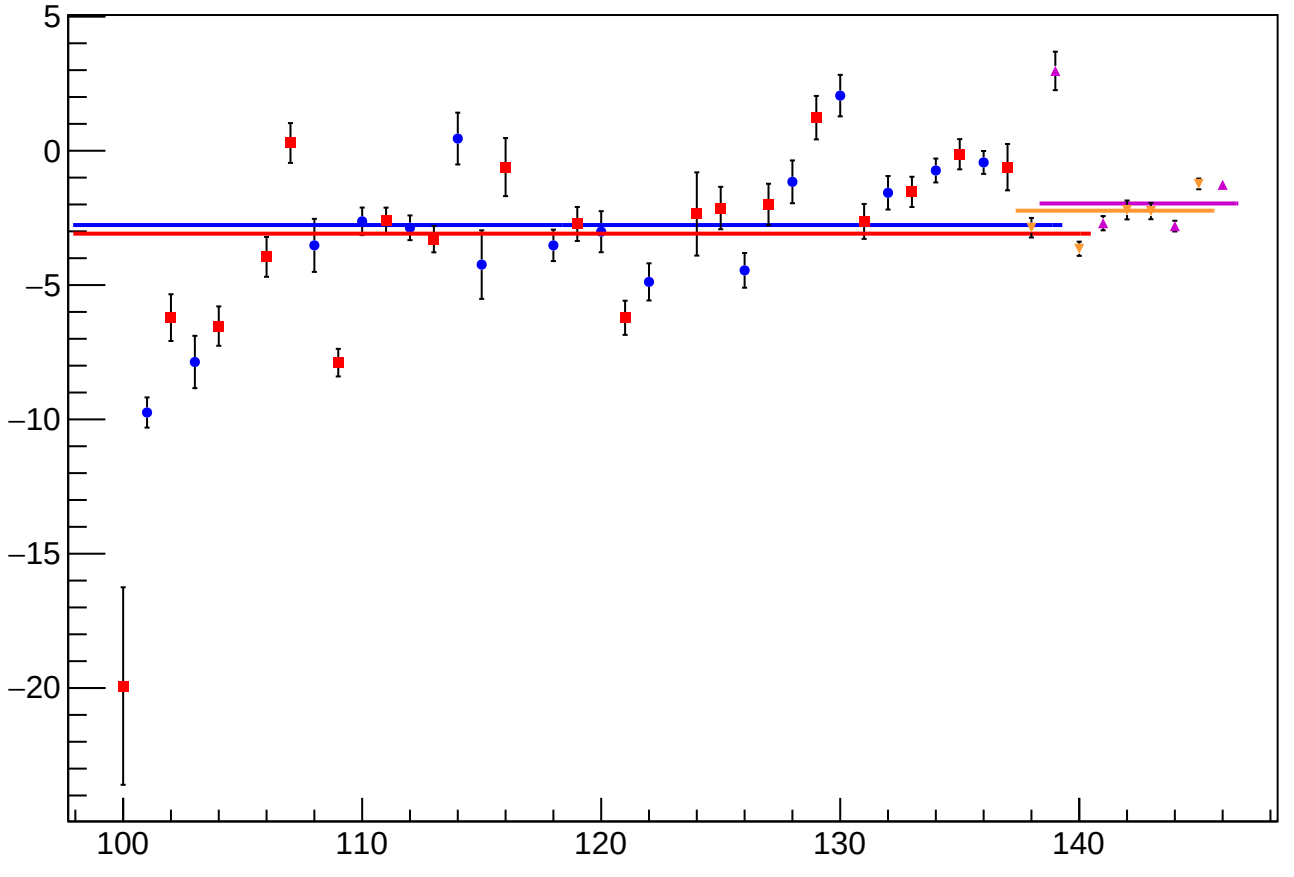
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.048+/-0.161 χ^2/NDF:44.0/3

+ sign 0.826+/-0.102 χ^2/NDF: 1008.4/20

All: 0.022+/-0.072 χ^2/NDF: 2711.7/43

- sign -0.754+/-0.100 χ^2/NDF: 1581.6/22



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.232+/-0.123 χ^2/NDF:56.7/4

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

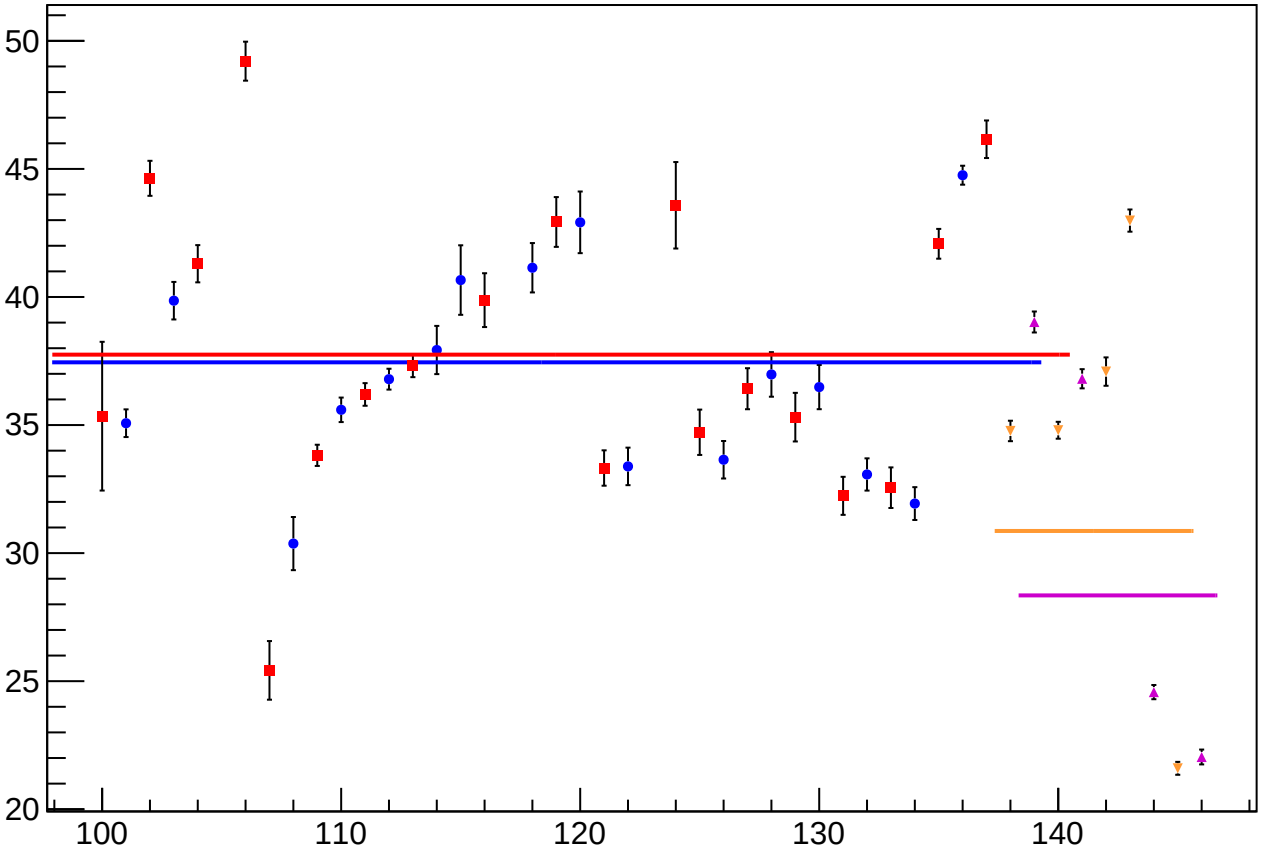
Left In: -1.963+/-0.117 χ^2/NDF:88.3/3

+ sign -2.436+/-0.097 χ^2/NDF: 374.0/20

All: -2.398+/-0.067 χ^2/NDF: 767.9/43

- sign -2.362+/-0.094 χ^2/NDF: 393.6/22

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: 30.865+/-0.159 χ^2/NDF:2494.2/4

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

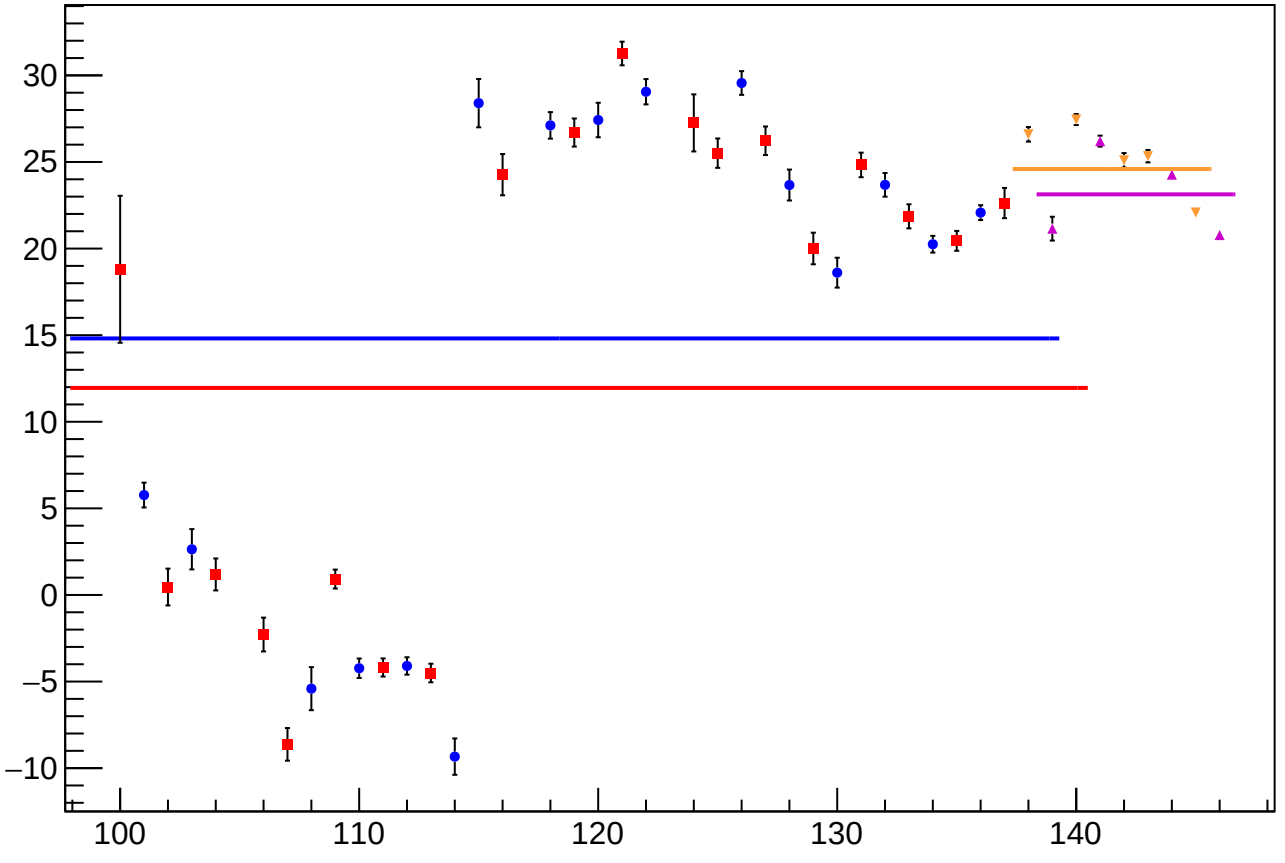
Left In: 28.349+/-0.162 χ^2/NDF:1846.6/3

+ sign 34.114+/-0.113 χ^2/NDF: 4051.3/20

All: 33.628+/-0.080 χ^2/NDF: 8605.3/43

- sign 33.135+/-0.114 χ^2/NDF: 4516.7/22

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.594+/-0.144 χ^2/NDF:229.2/4

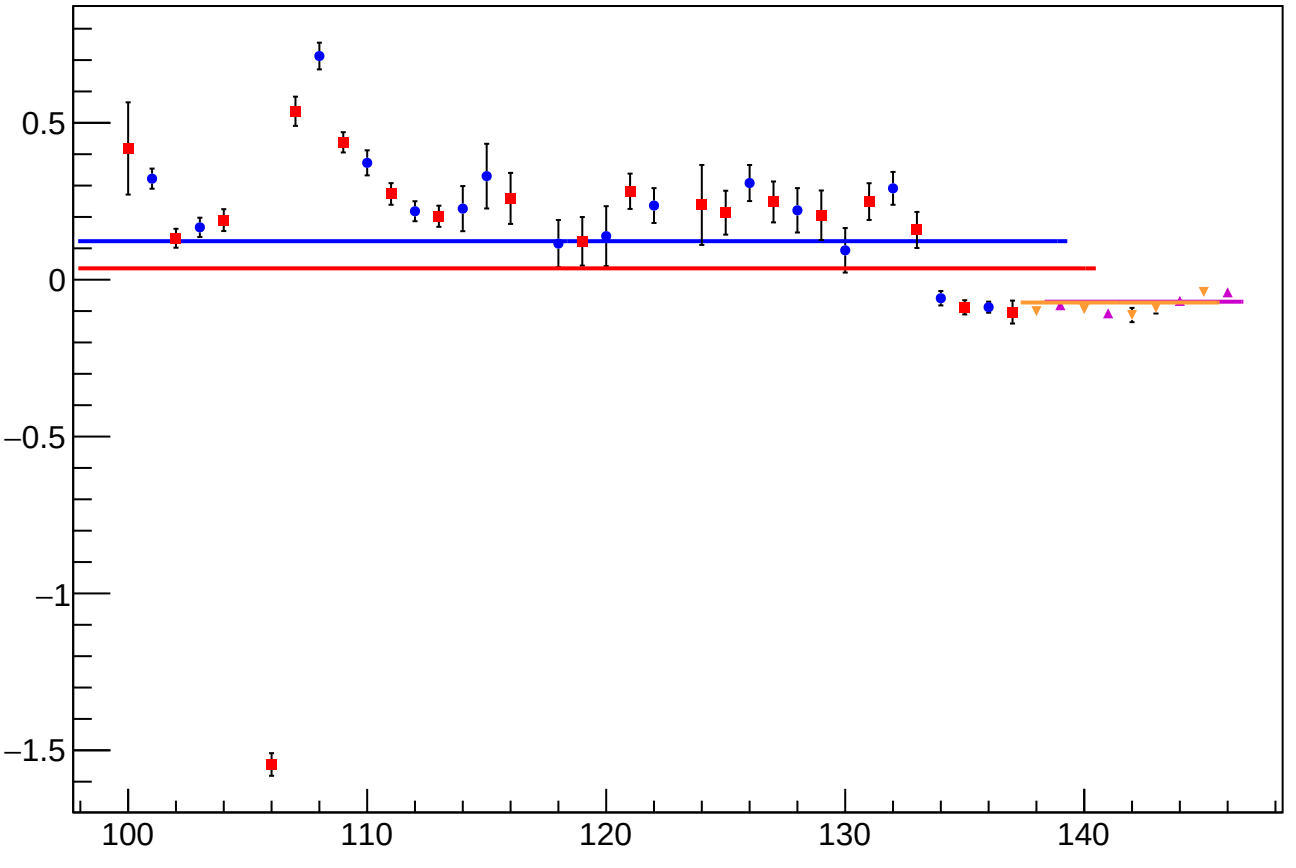
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.130+/-0.140 χ^2/NDF:237.8/3

+ sign 20.601+/-0.111 χ^2/NDF: 7788.6/20

All: 19.695+/-0.078 χ^2/NDF: 16712.5/43

- sign 18.807+/-0.110 χ^2/NDF: 8792.2/22



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.073+/-0.007 χ^2/NDF:20.3/4

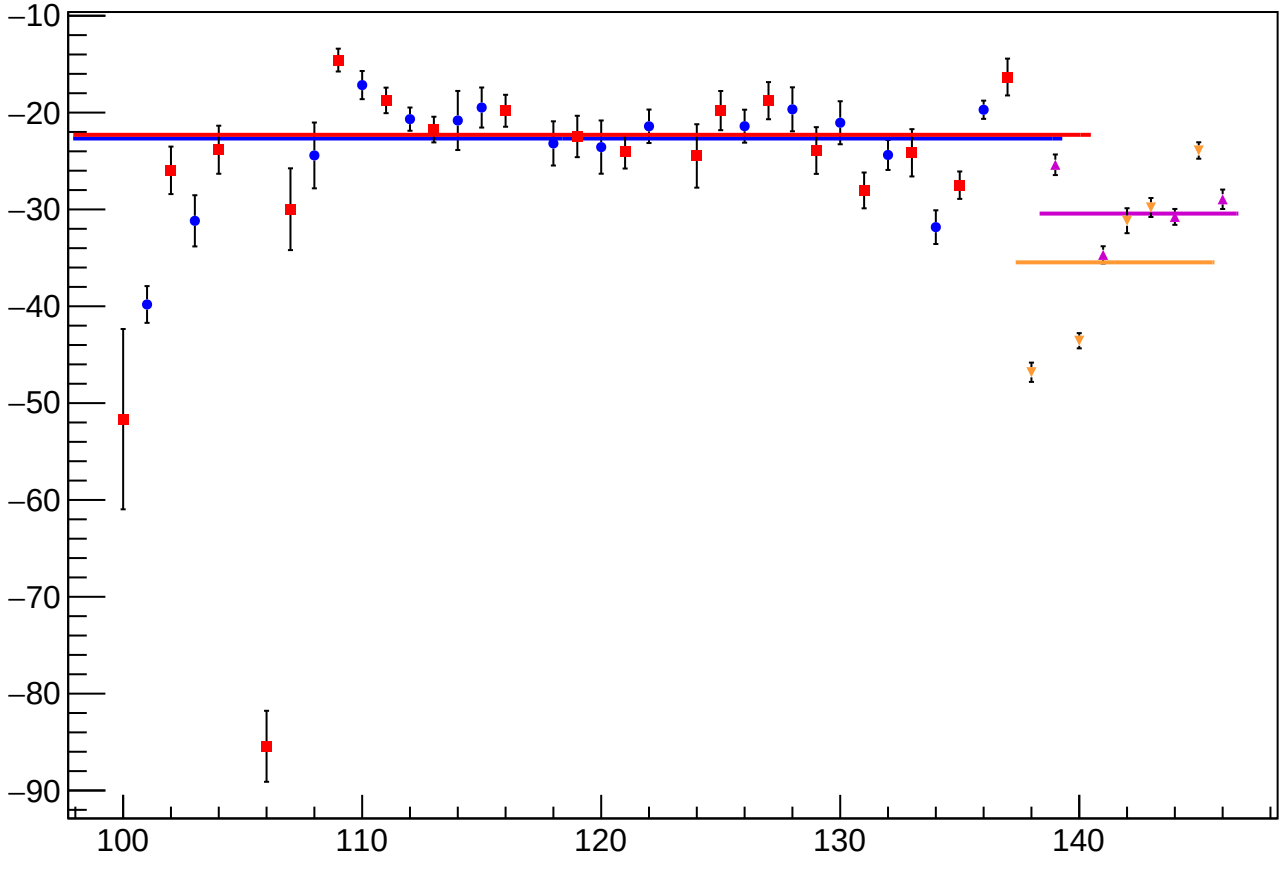
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.070+/-0.007 χ^2/NDF:12.1/3

+ sign -0.009+/-0.005 χ^2/NDF: 831.7/20

All: -0.022+/-0.004 χ^2/NDF: 3350.3/43

- sign -0.036+/-0.006 χ^2/NDF: 2506.8/22



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.465+/-0.421 χ^2/NDF:465.2/4

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

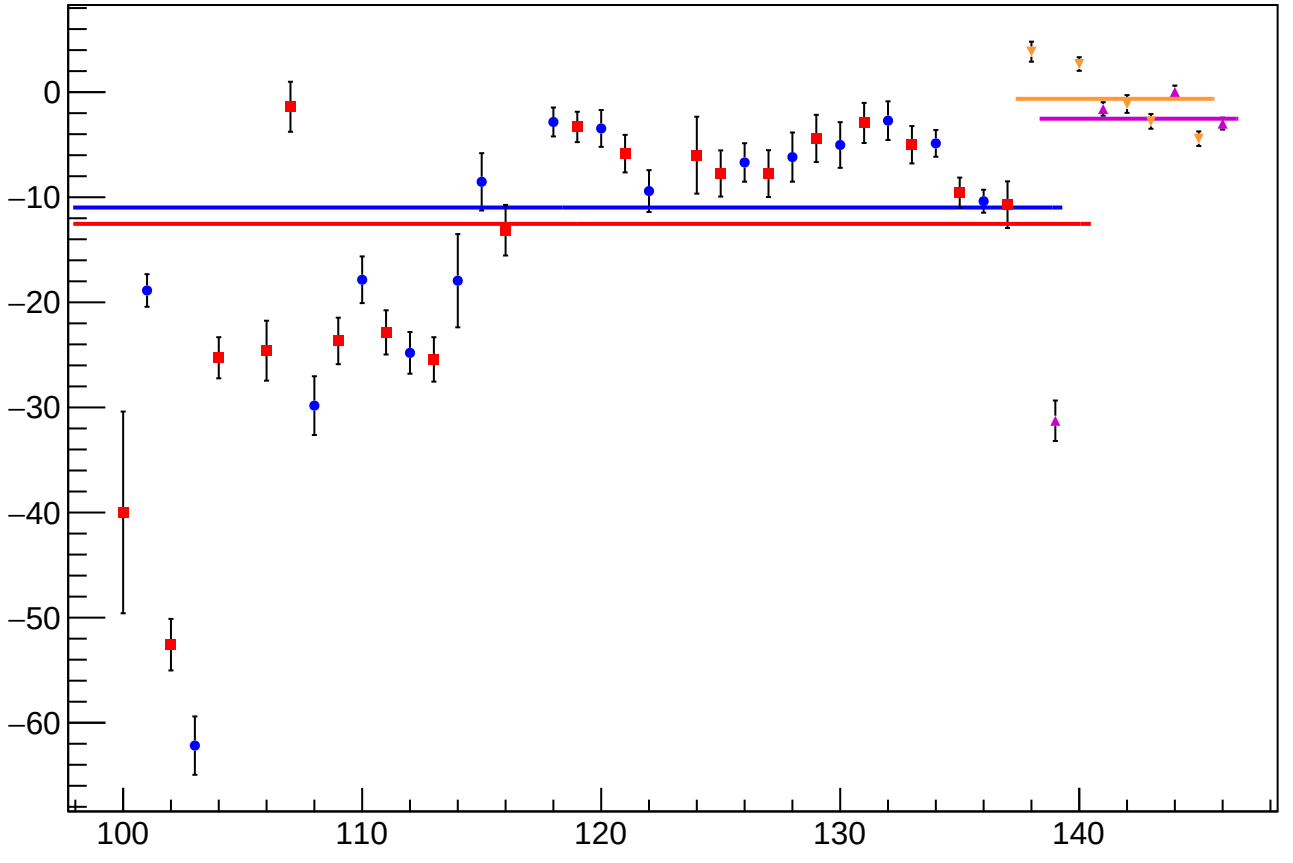
Left In: -30.428+/-0.464 χ^2/NDF:47.9/3

+ sign -29.278+/-0.302 χ^2/NDF: 1066.9/20

All: -27.766+/-0.219 χ^2/NDF: 1736.3/43

- sign -26.097+/-0.318 χ^2/NDF: 616.7/22

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -0.635+/-0.334 χ^2/NDF:87.6/4

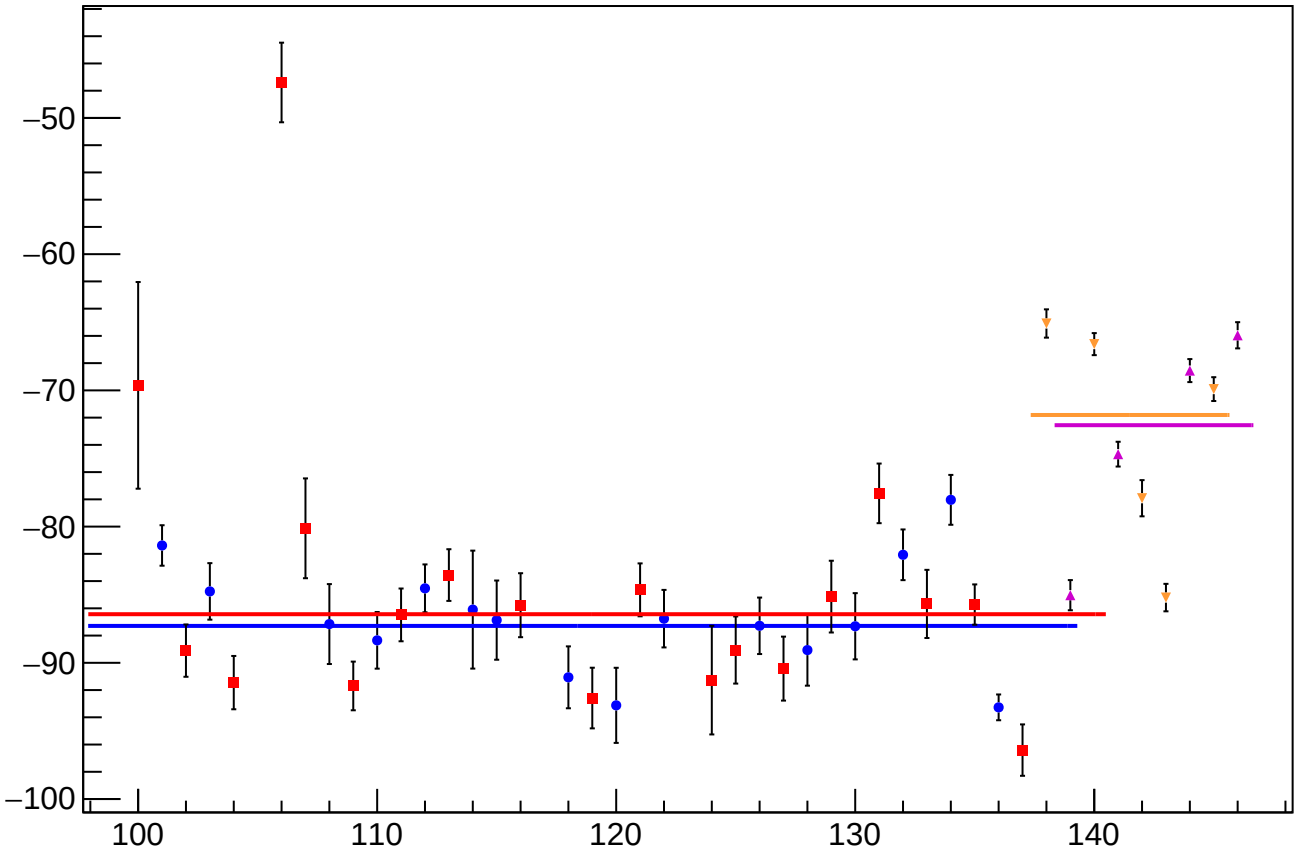
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.528+/-0.342 χ^2/NDF:243.3/3

+ sign -4.276+/-0.269 χ^2/NDF: 1012.2/20

All: -5.053+/-0.194 χ^2/NDF: 2132.3/43

- sign -5.887+/-0.279 χ^2/NDF: 1102.9/22



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -71.806+/-0.434 χ^2/NDF:285.8/4

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

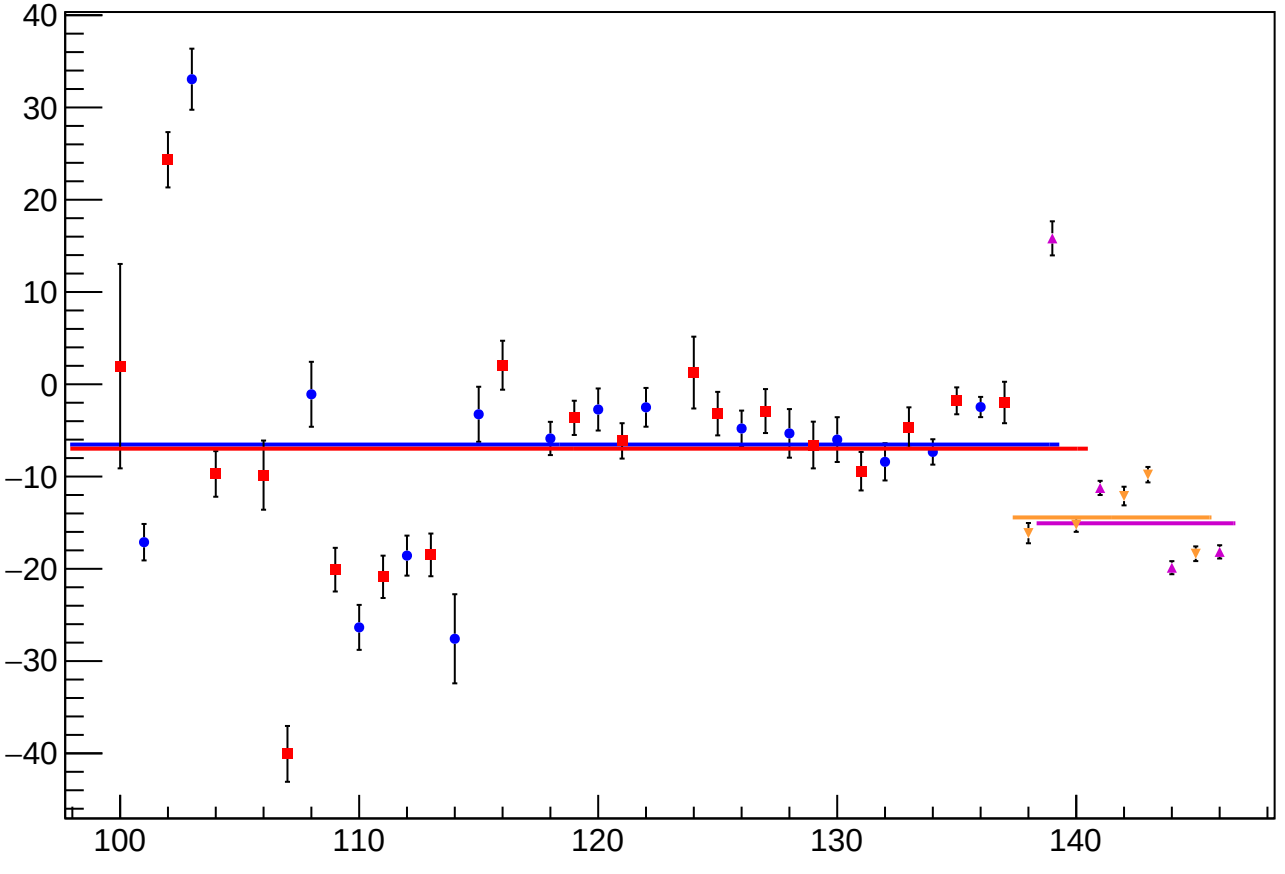
Left In: -72.555+/-0.471 χ^2/NDF:202.0/3

+ sign -78.759+/-0.322 χ^2/NDF: 959.1/20

All: -78.871+/-0.235 χ^2/NDF: 1829.0/43

- sign -79.000+/-0.345 χ^2/NDF: 869.7/22

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -14.431+/-0.394 χ^2/NDF:63.7/4

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

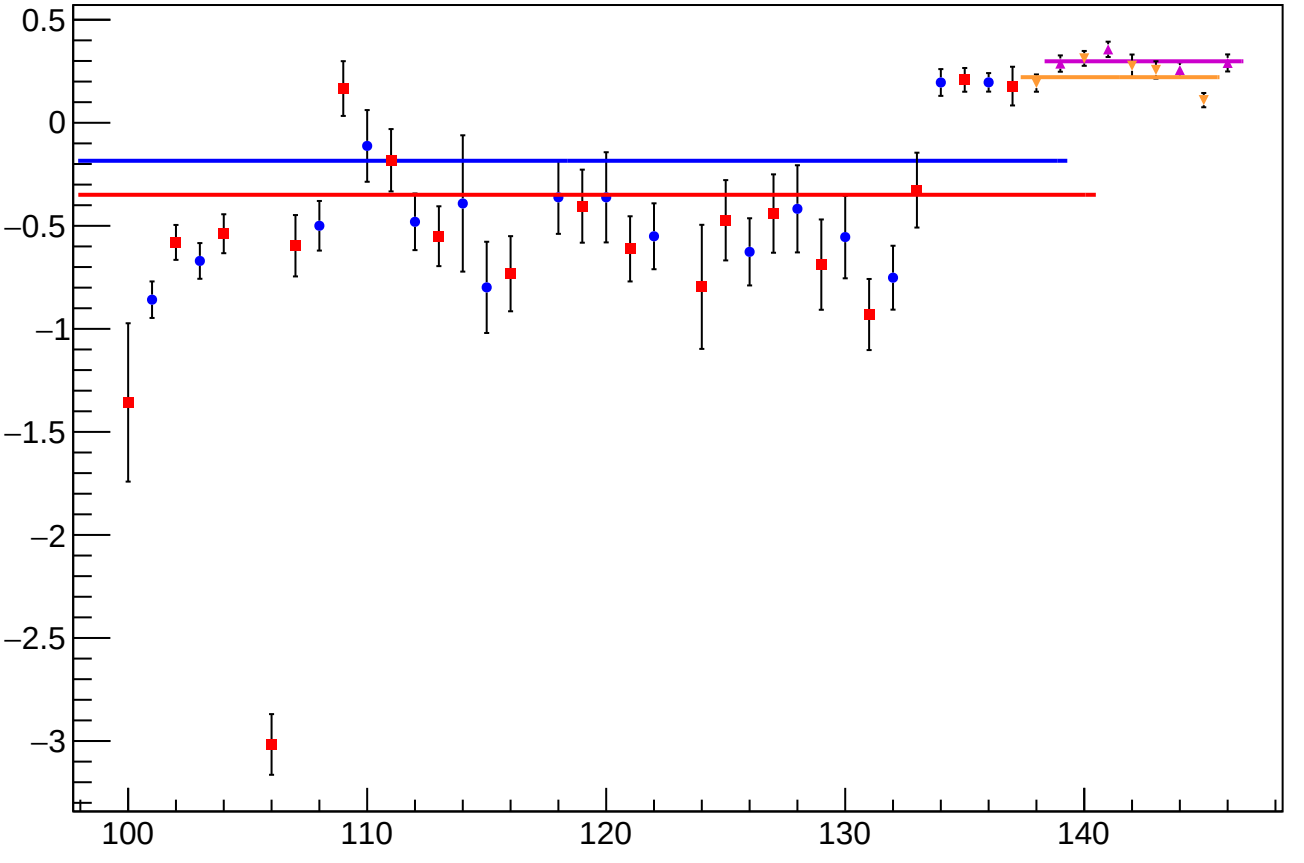
Left In: -15.066+/-0.412 χ^2/NDF:368.8/3

+ sign -11.466+/-0.311 χ^2/NDF: 528.6/20

All: -11.769+/-0.226 χ^2/NDF: 1409.0/43

- sign -12.106+/-0.328 χ^2/NDF: 878.4/22

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: 0.221+/-0.018 χ^2/NDF:18.9/4

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

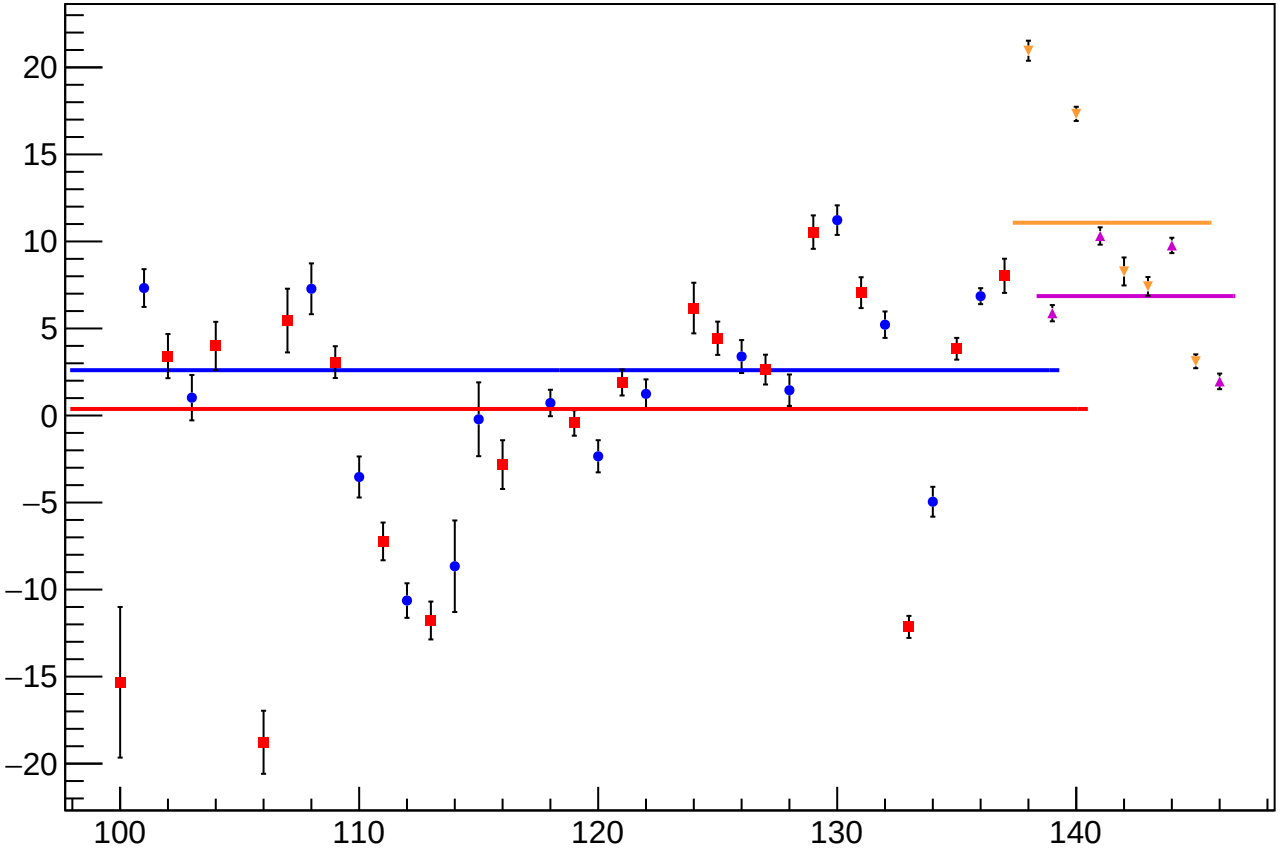
Left In: 0.298+/-0.019 χ^2/NDF:3.8/3

+ sign 0.095+/-0.015 χ^2/NDF: 424.2/20

All: 0.097+/-0.011 χ^2/NDF: 1283.6/43

- sign 0.100+/-0.016 χ^2/NDF: 859.3/22

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: 11.076+/-0.222 χ^2/NDF:986.5/4

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

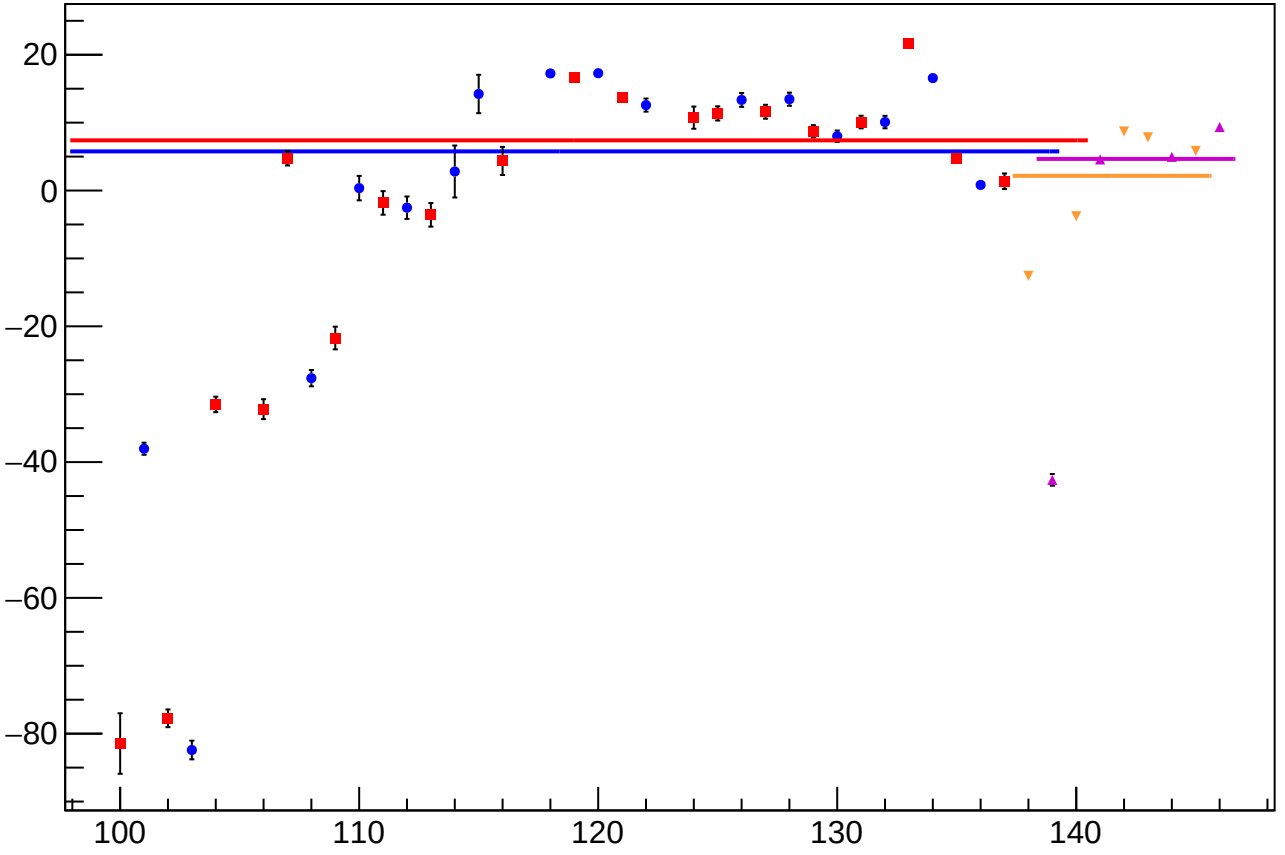
Left In: 6.861+/-0.231 χ^2/NDF:215.5/3

+ sign 6.884+/-0.158 χ^2/NDF: 2281.7/20

All: 5.216+/-0.112 χ^2/NDF: 4164.9/43

- sign 3.493+/-0.160 χ^2/NDF: 1655.5/22

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 2.169+/-0.180 χ^2/NDF:1431.7/4

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

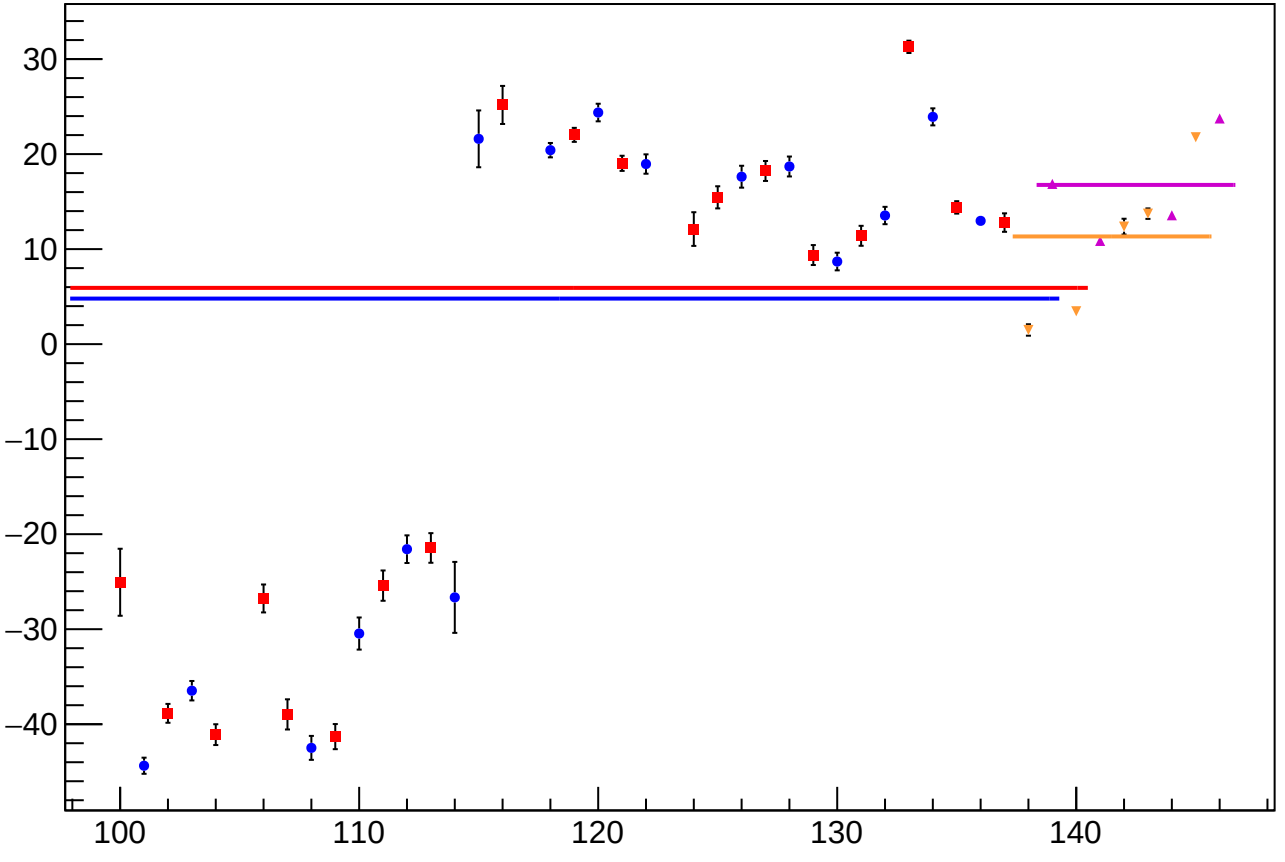
Left In: 4.660+/-0.178 χ^2/NDF:3324.3/3

+ sign 3.698+/-0.137 χ^2/NDF: 10534.8/20

All: 4.764+/-0.096 χ^2/NDF: 22469.4/43

- sign 5.815+/-0.136 χ^2/NDF: 11813.8/22

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 11.333+/-0.229 χ^2/NDF:1291.1/4

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

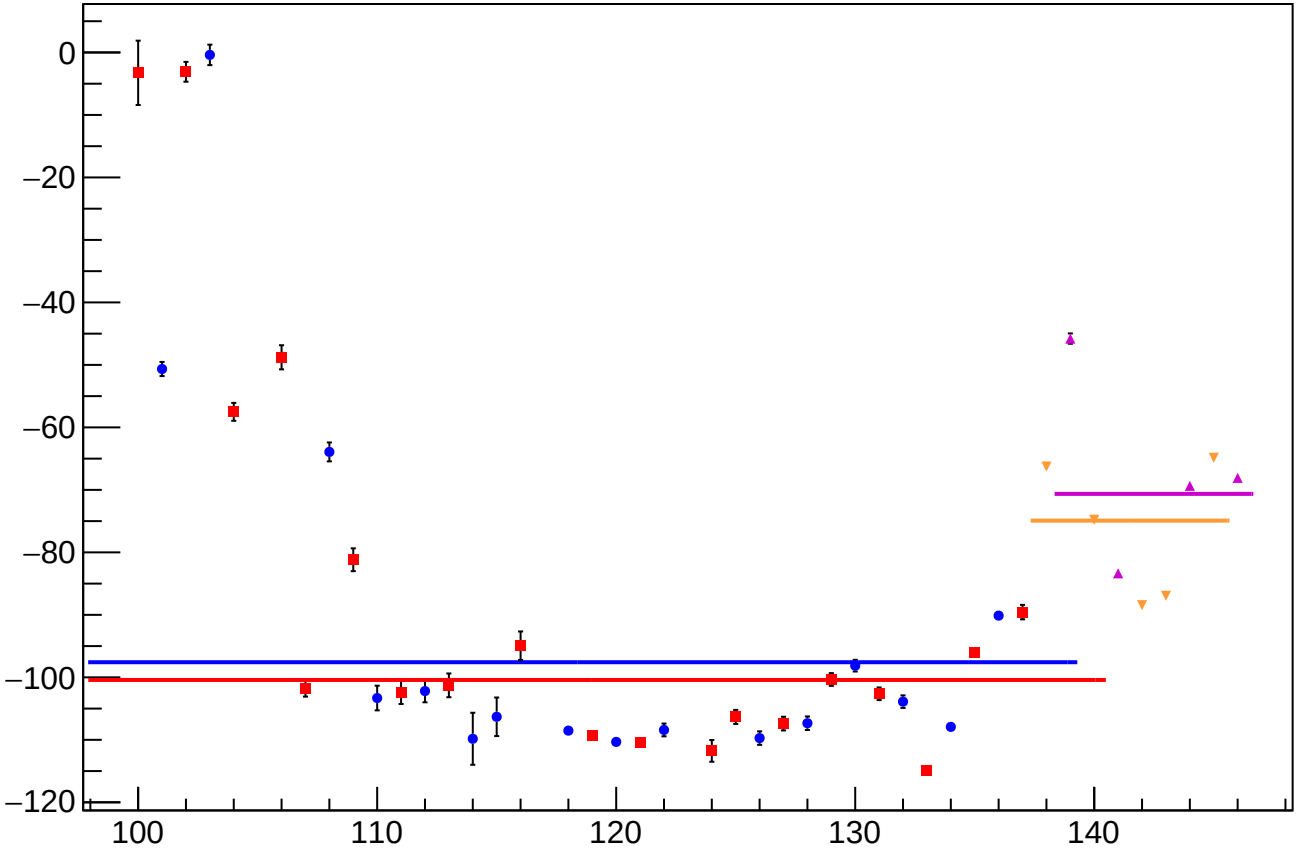
Left In: 16.756+/-0.234 χ^2/NDF:444.8/3

+ sign 8.188+/-0.165 χ^2/NDF: 11181.7/20

All: 9.803+/-0.117 χ^2/NDF: 22927.6/43

- sign 11.475+/-0.167 χ^2/NDF: 11550.0/22

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -74.920+/-0.211 χ^2/NDF:2022.0/4

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

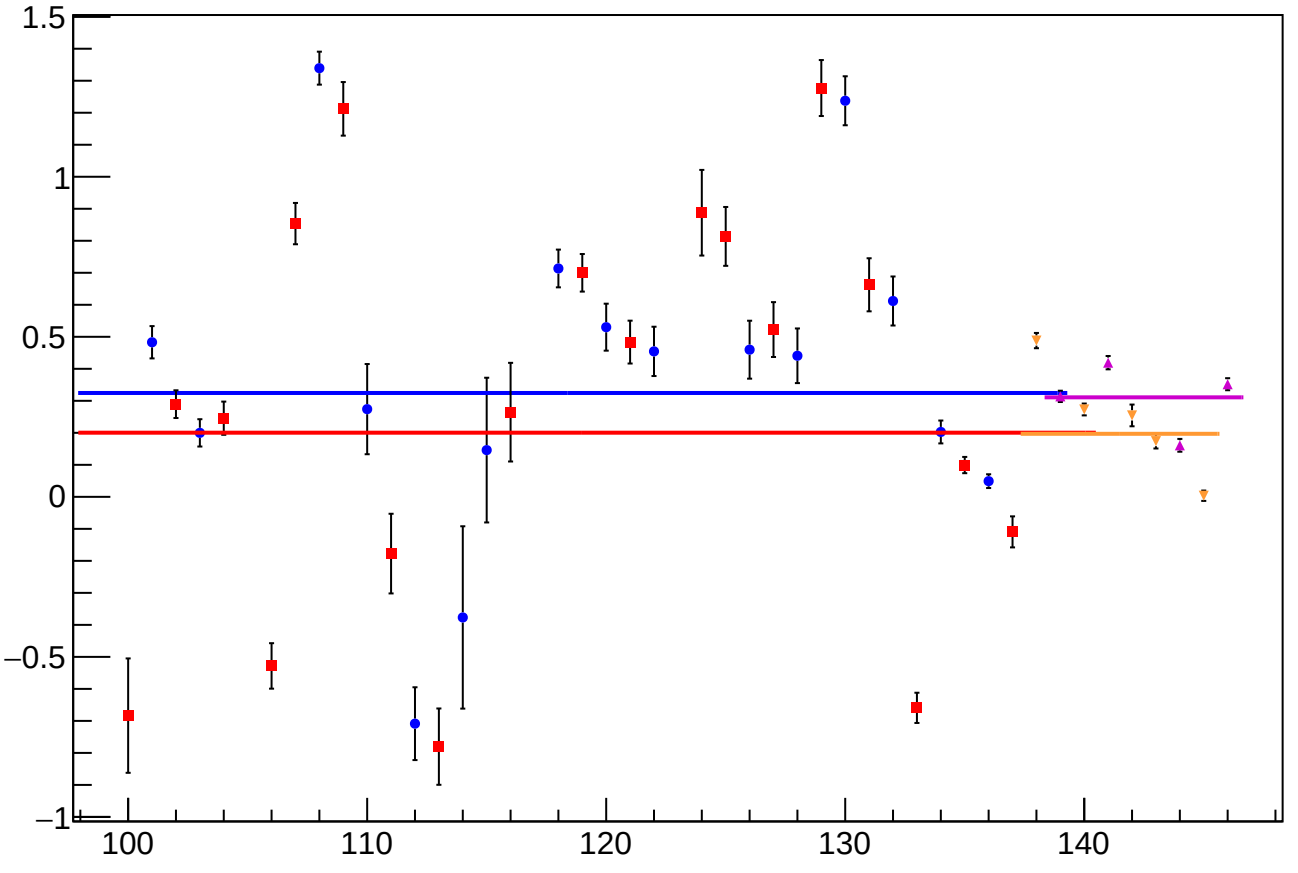
Left In: -70.641+/-0.212 χ^2/NDF:1835.2/3

\+ sign -84.731+/-0.159 χ^2/NDF: 14151.1/20

All: -84.178+/-0.112 χ^2/NDF: 31737.7/43

\- sign -83.624+/-0.159 χ^2/NDF: 17562.4/22

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: 0.197+/-0.009 χ^2/NDF:312.5/4

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

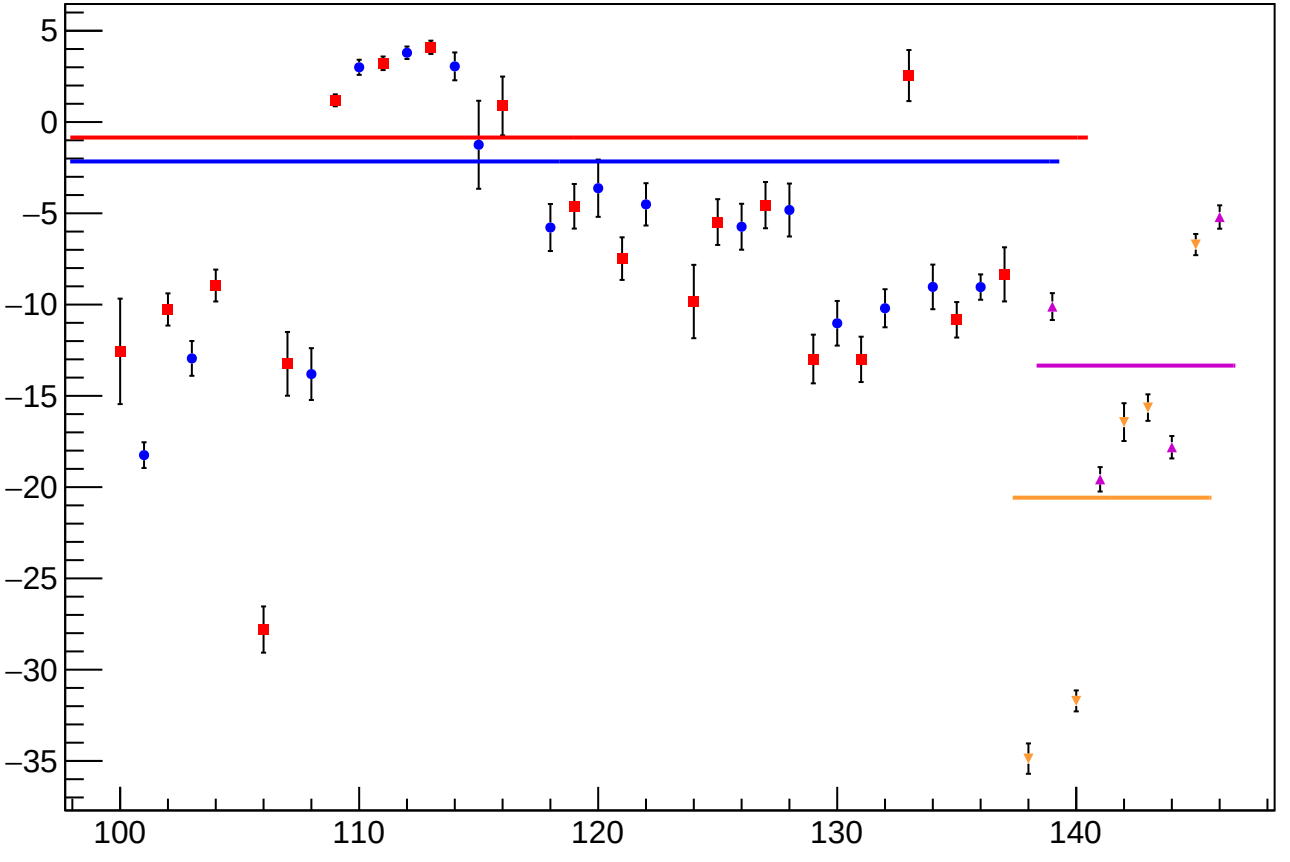
Left In: 0.311+/-0.010 χ^2/NDF:87.9/3

+ sign 0.240+/-0.008 χ^2/NDF: 1260.4/20

All: 0.257+/-0.006 χ^2/NDF: 2607.8/43

- sign 0.275+/-0.008 χ^2/NDF: 1337.1/22

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -20.577+/-0.312 χ^2/NDF:1304.7/4

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

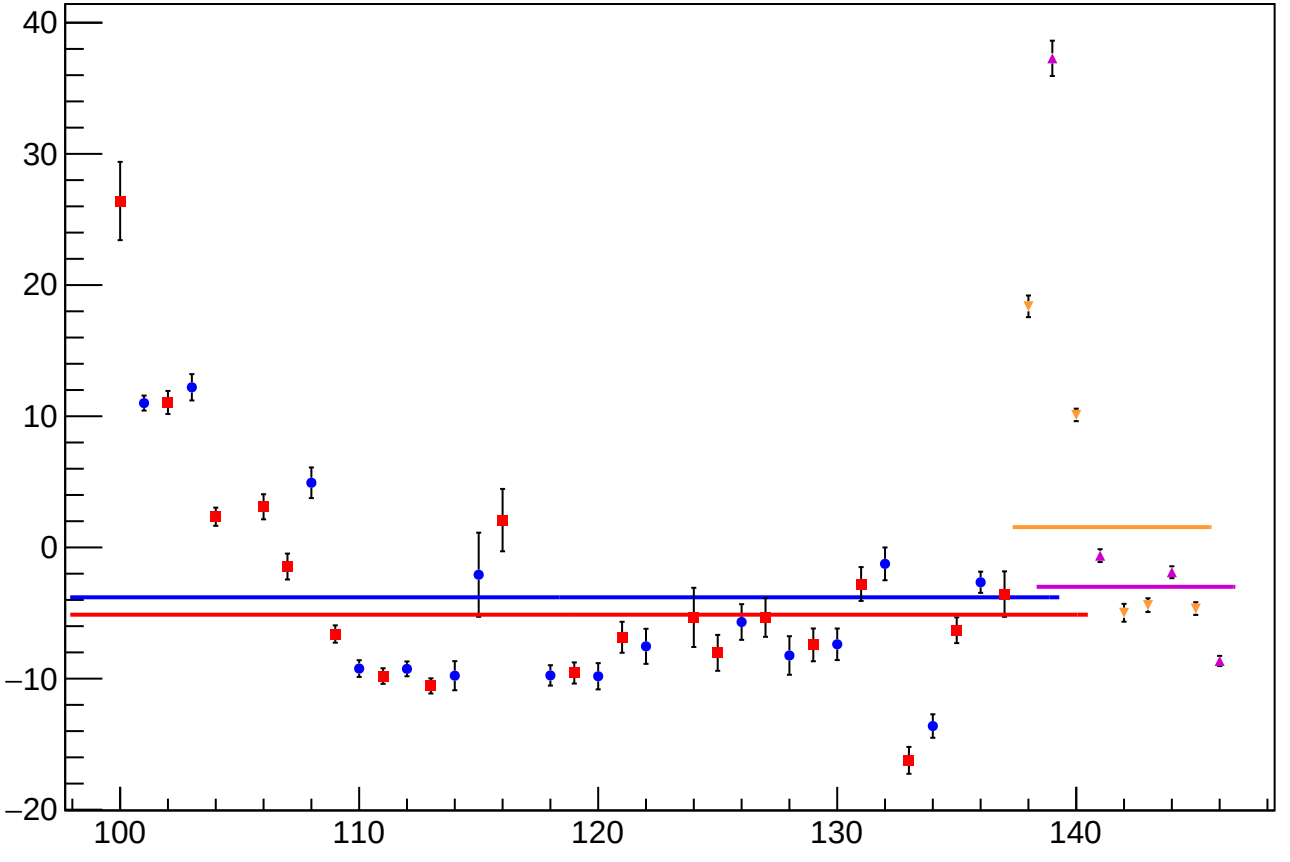
Left In: -13.342+/-0.330 χ^2/NDF:321.0/3

+ sign -7.220+/-0.163 χ^2/NDF: 5324.7/20

All: -5.206+/-0.111 χ^2/NDF: 8524.7/43

- sign -3.478+/-0.151 χ^2/NDF: 2918.1/22

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: 1.549+/-0.251 χ^2/NDF:1121.8/4

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

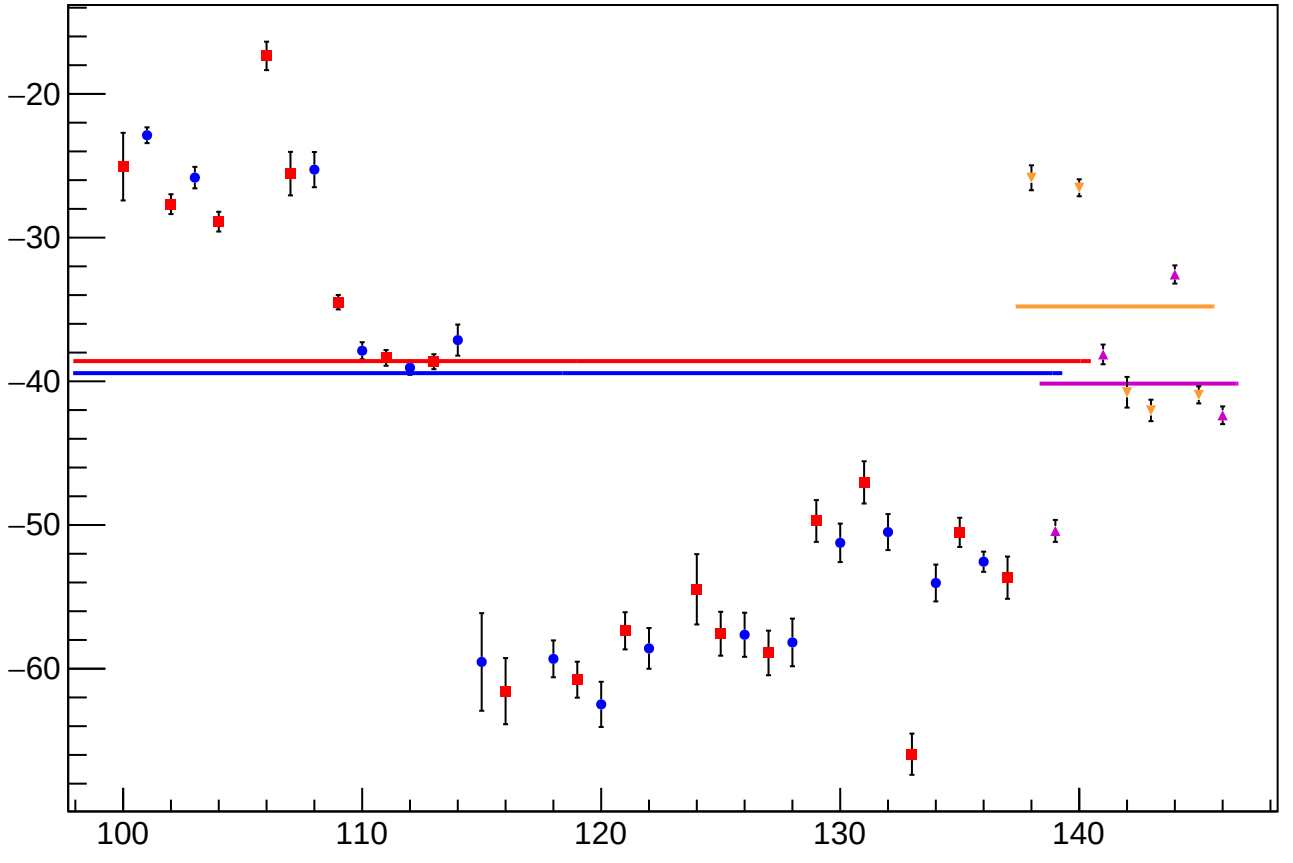
Left In: -3.000+/-0.248 χ^2/NDF:1137.8/3

+ sign -1.406+/-0.168 χ^2/NDF: 2798.8/20

All: -2.832+/-0.117 χ^2/NDF: 5099.8/43

- sign -4.196+/-0.164 χ^2/NDF: 2159.6/22

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -34.792+/-0.321 χ^2/NDF:534.0/4

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

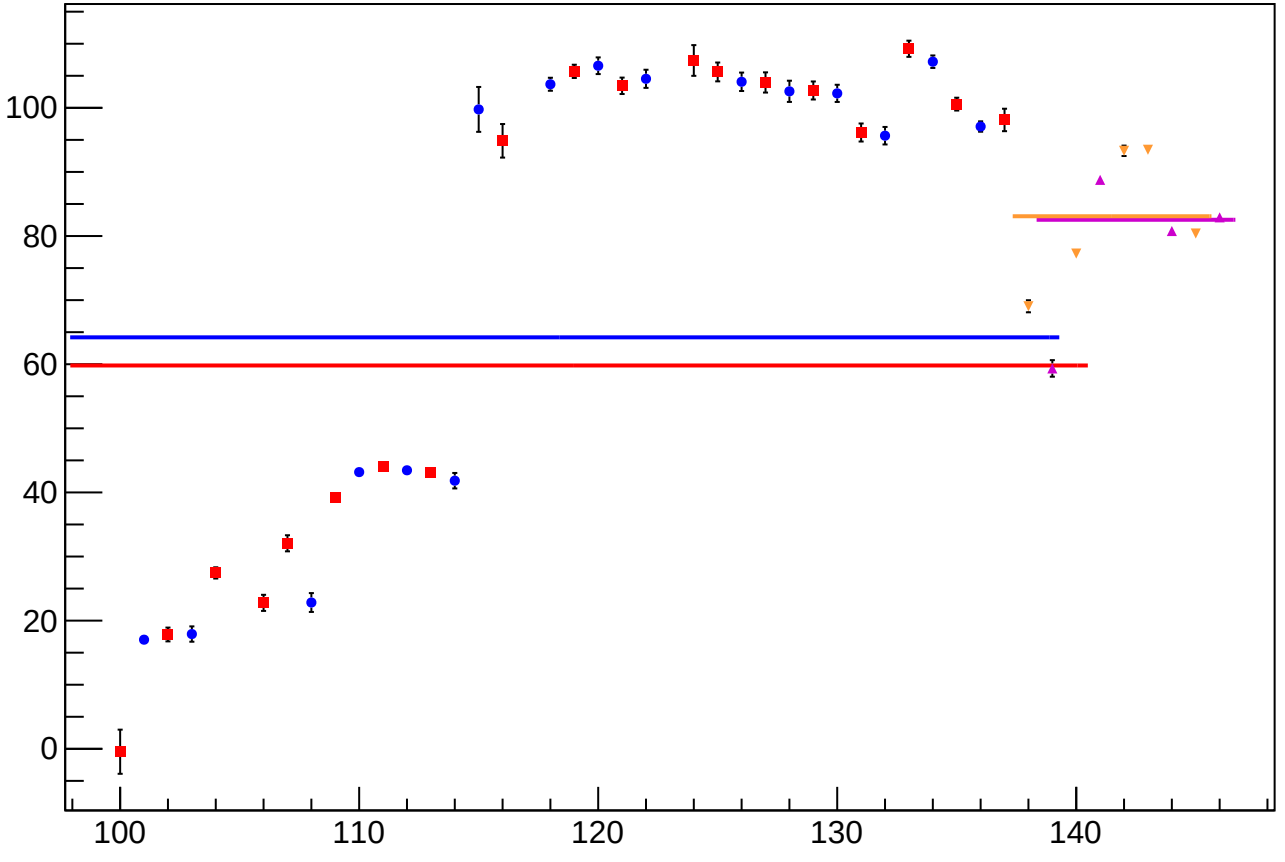
Left In: -40.159+/-0.334 χ^2/NDF:345.2/3

+ sign -37.901+/-0.185 χ^2/NDF: 3631.8/20

All: -38.489+/-0.129 χ^2/NDF: 6784.6/43

- sign -39.044+/-0.179 χ^2/NDF: 3133.0/22

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 83.085+/-0.294 χ^2/NDF:785.0/4

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

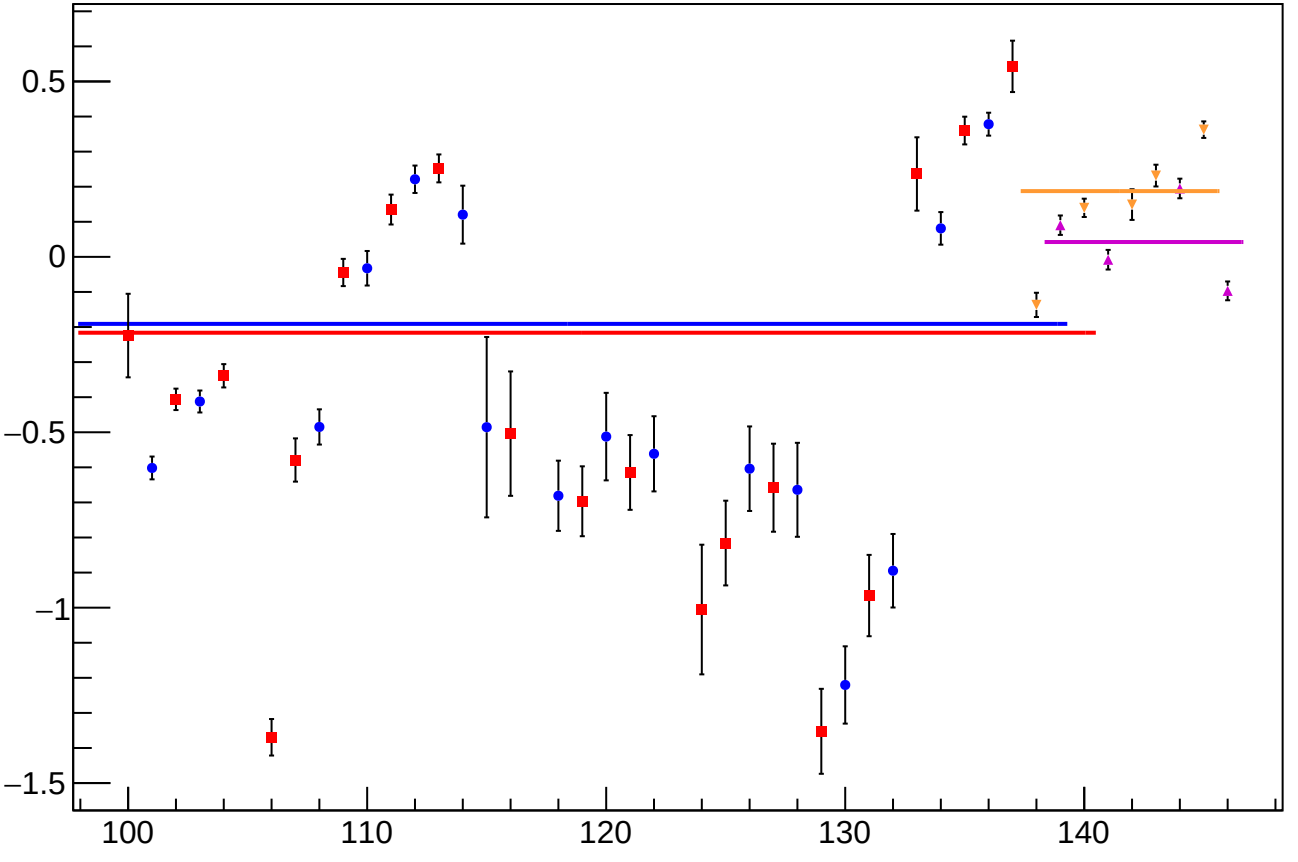
Left In: 82.537+/-0.296 χ^2/NDF:448.5/3

+ sign 72.387+/-0.194 χ^2/NDF: 21715.1/20

All: 70.775+/-0.136 χ^2/NDF: 43189.2/43

- sign 69.218+/-0.190 χ^2/NDF: 21338.1/22

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.187+/-0.013 χ^2/NDF:149.5/4

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

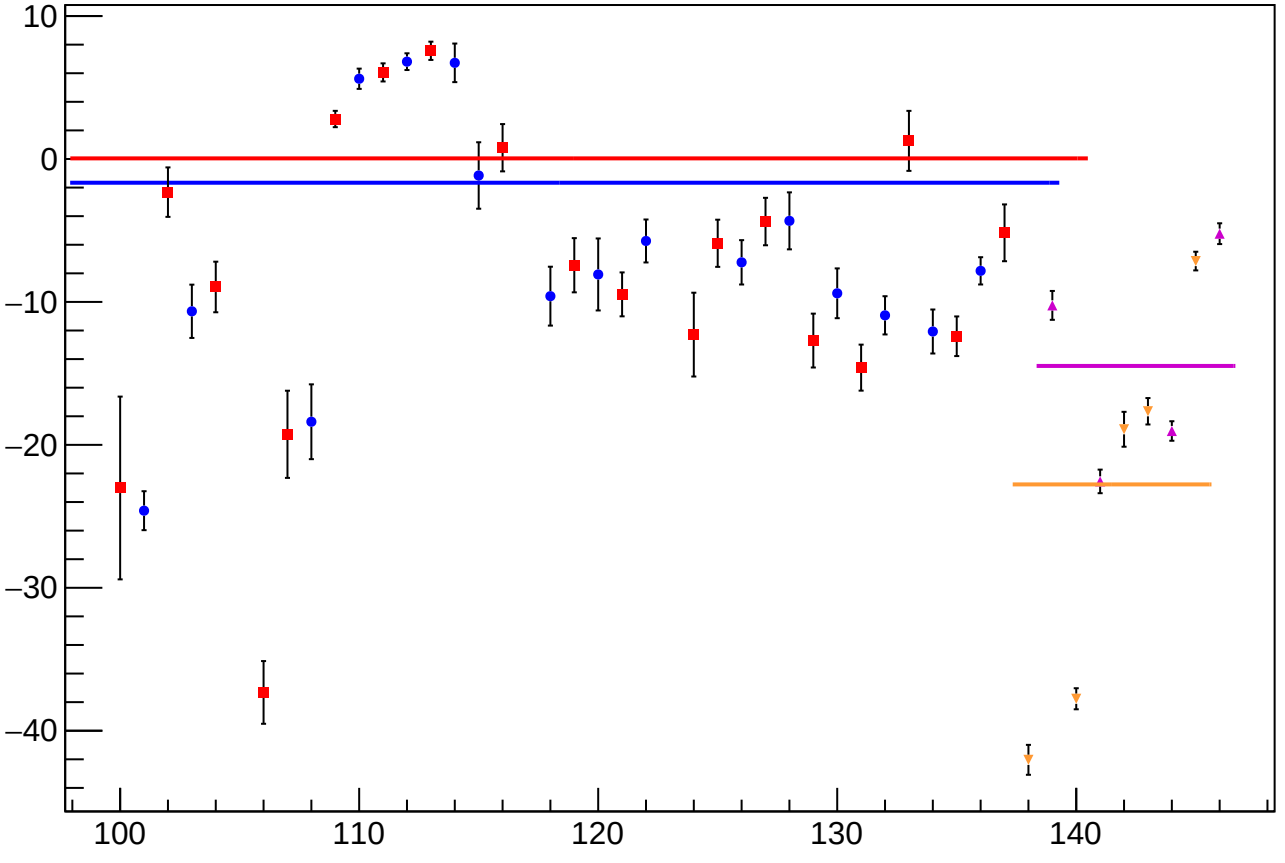
Left In: 0.042+/-0.014 χ^2/NDF:63.1/3

+ sign 0.000+/-0.009 χ^2/NDF: 1469.4/20

All: -0.047+/-0.007 χ^2/NDF: 3138.6/43

- sign -0.095+/-0.009 χ^2/NDF: 1618.1/22

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -22.767+/-0.380 χ^2/NDF:1366.2/4

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

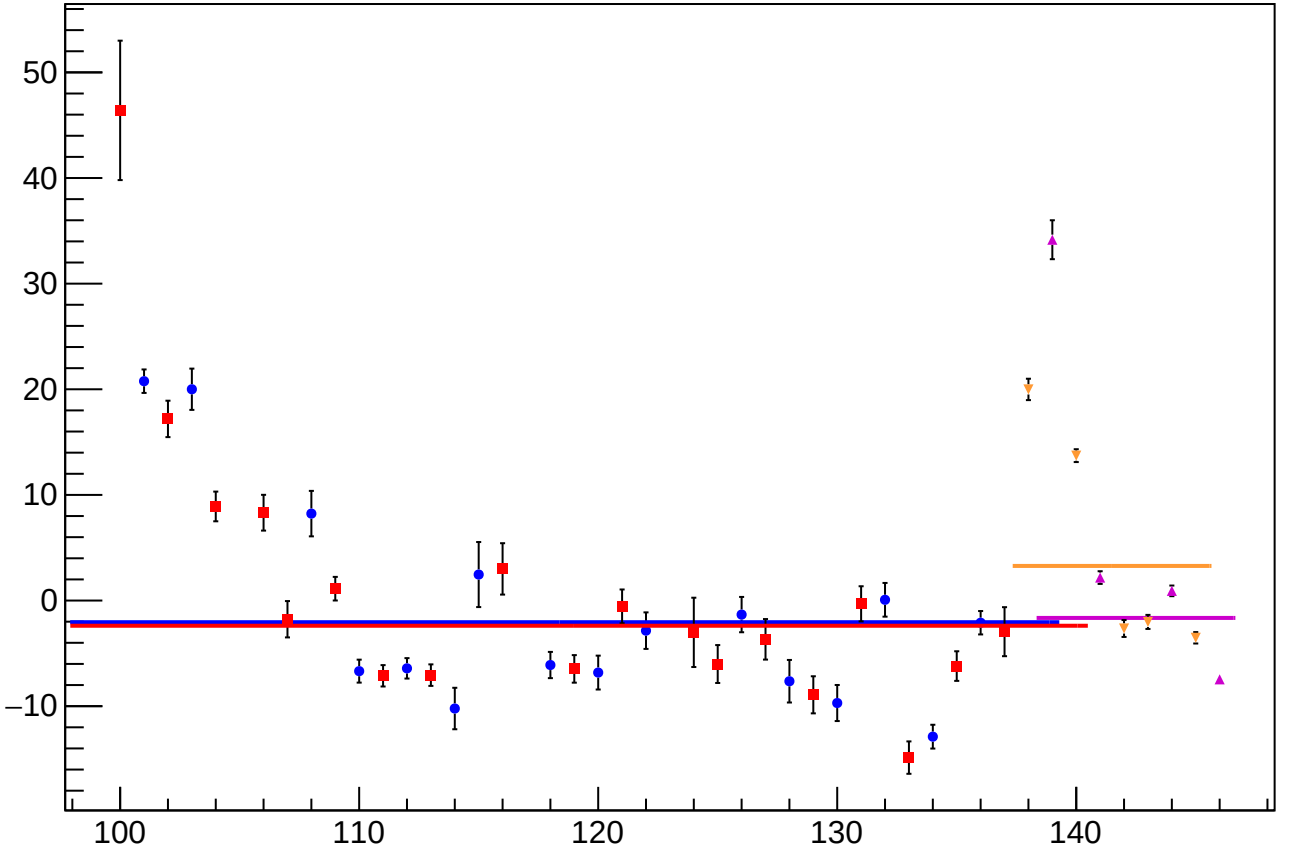
Left In: -14.478+/-0.393 χ^2/NDF:319.7/3

+ sign -10.043+/-0.239 χ^2/NDF: 4130.7/20

All: -7.357+/-0.165 χ^2/NDF: 6525.3/43

- sign -4.895+/-0.229 χ^2/NDF: 2152.9/22

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 3.277+/-0.302 χ^2/NDF:844.9/4

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

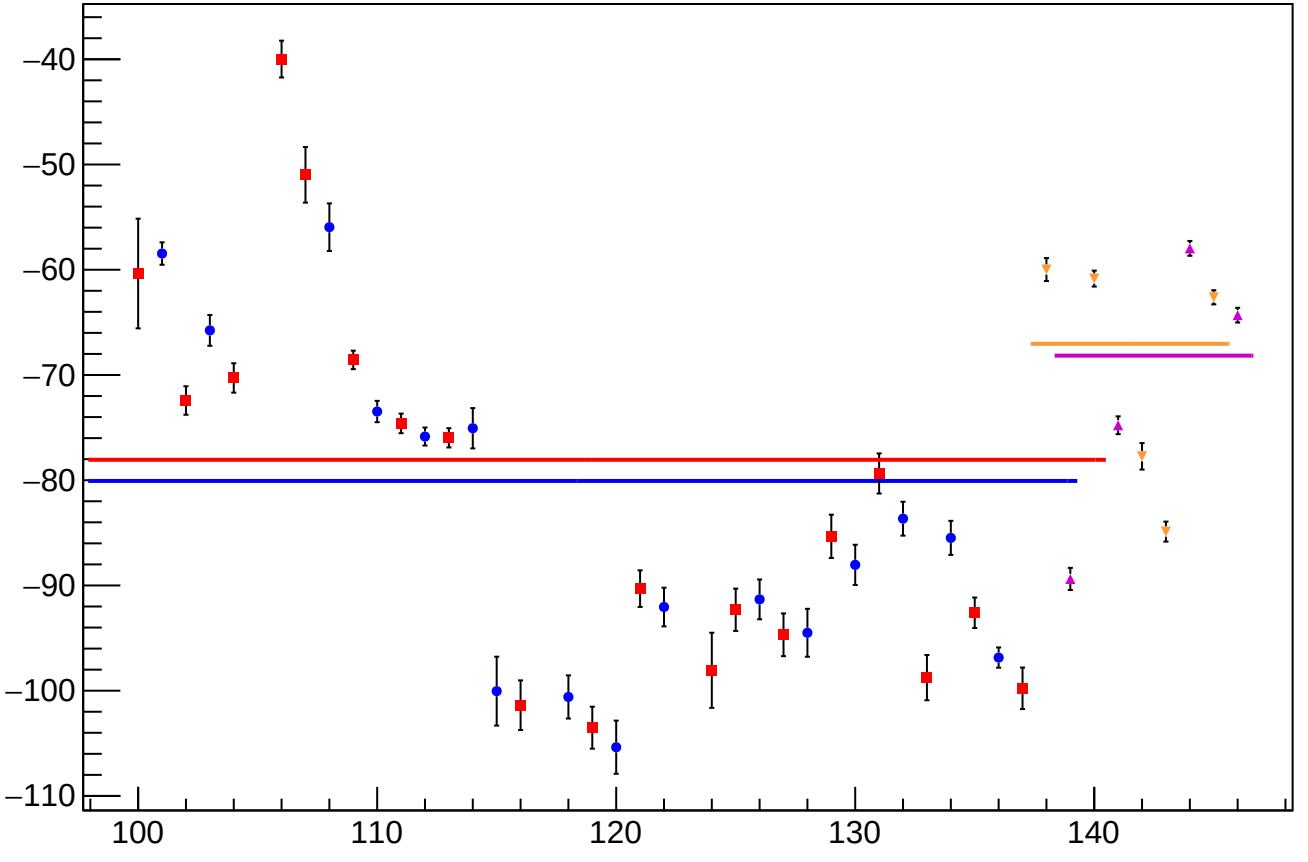
Left In: -1.645+/-0.284 χ^2/NDF:625.6/3

+ sign 1.045+/-0.231 χ^2/NDF: 1746.8/20

All: -0.501+/-0.160 χ^2/NDF: 2912.6/43

- sign -1.934+/-0.222 χ^2/NDF: 1079.2/22

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -67.038+/-0.391 χ^2/NDF:576.7/4

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

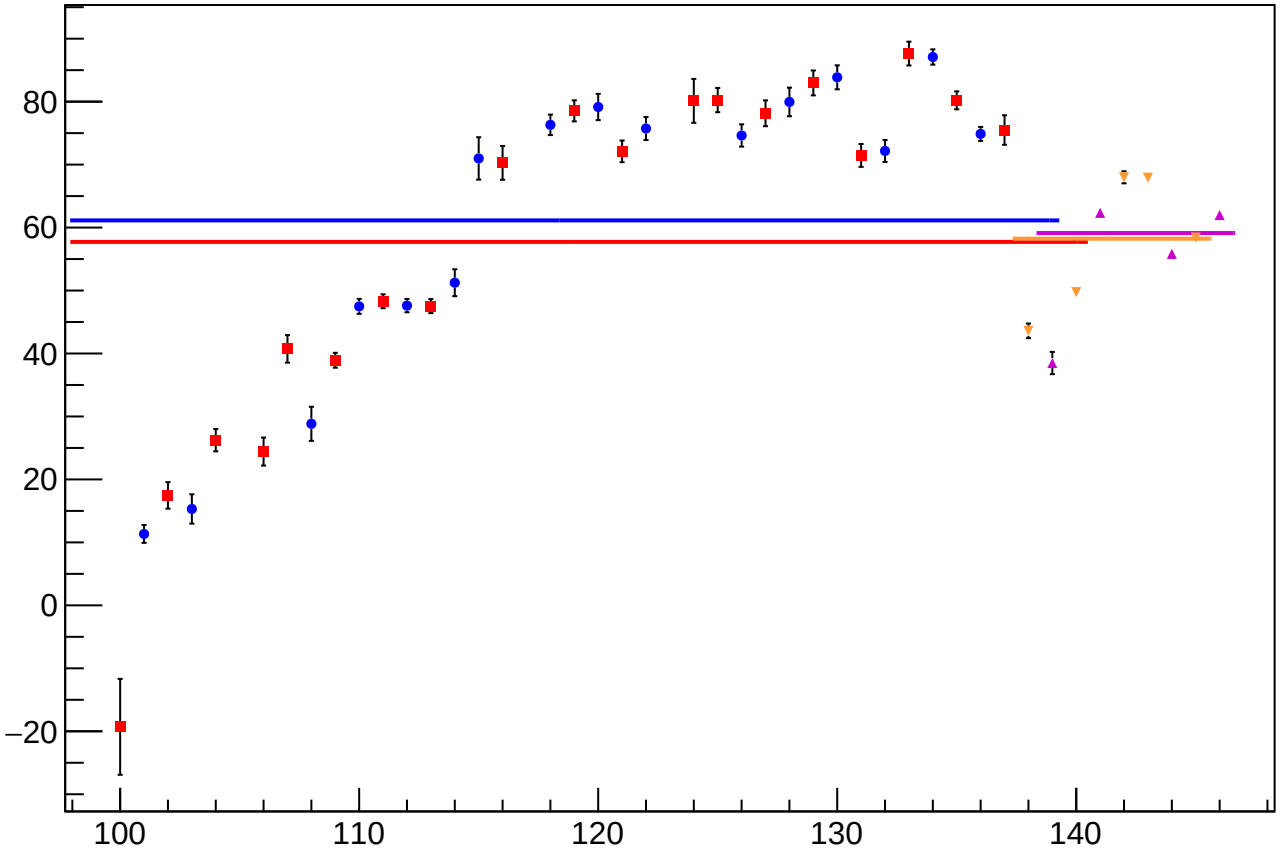
Left In: -68.161+/-0.397 χ^2/NDF:708.3/3

+ sign -74.014+/-0.267 χ^2/NDF: 2558.2/20

All: -73.843+/-0.188 χ^2/NDF: 5175.6/43

- sign -73.676+/-0.264 χ^2/NDF: 2616.6/22

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.232+/-0.355 χ^2/NDF:546.7/4

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

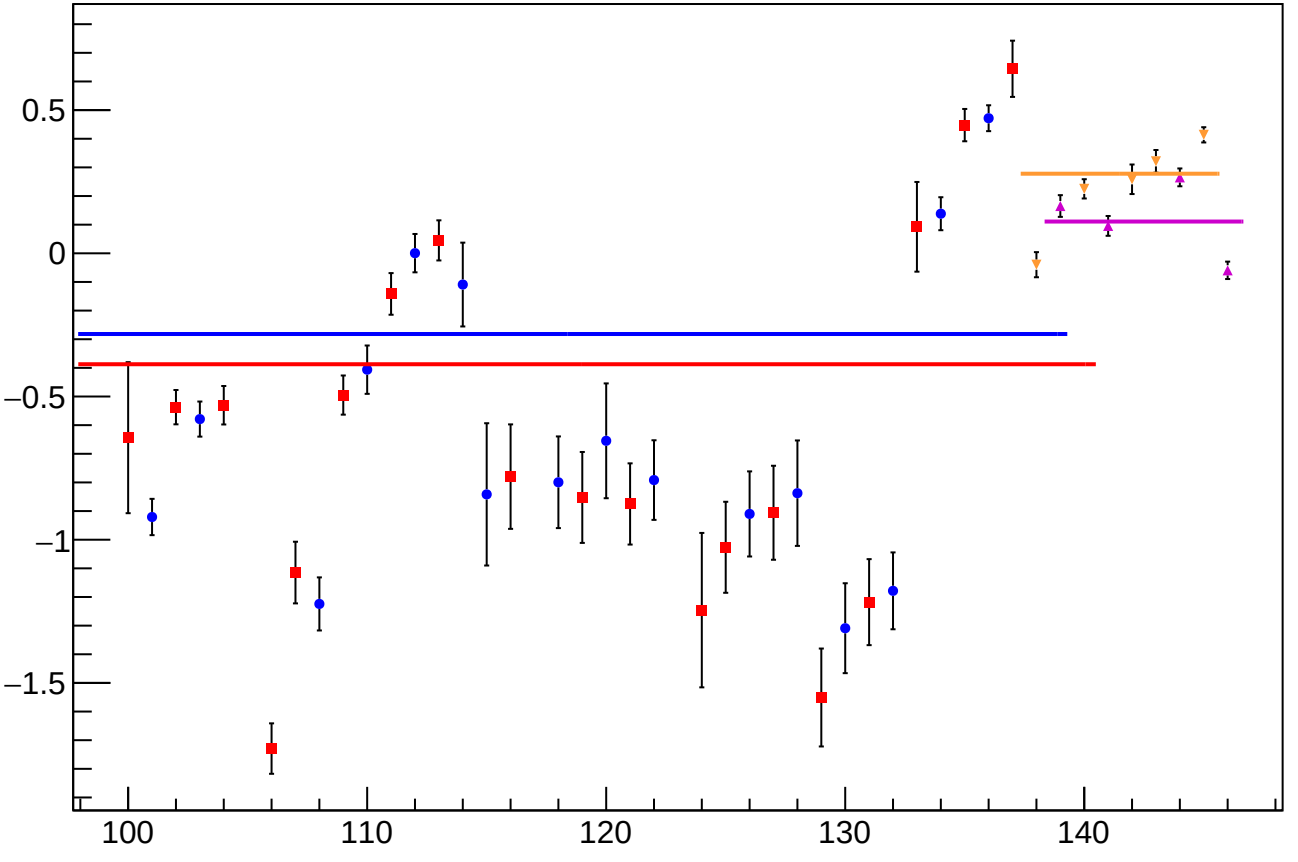
Left In: 59.131+/-0.342 χ^2/NDF:215.8/3

+ sign 59.511+/-0.266 χ^2/NDF: 3805.5/20

All: 59.014+/-0.186 χ^2/NDF: 6810.8/43

- sign 58.539+/-0.260 χ^2/NDF: 2998.5/22

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.278+/-0.016 χ^2/NDF:82.3/4

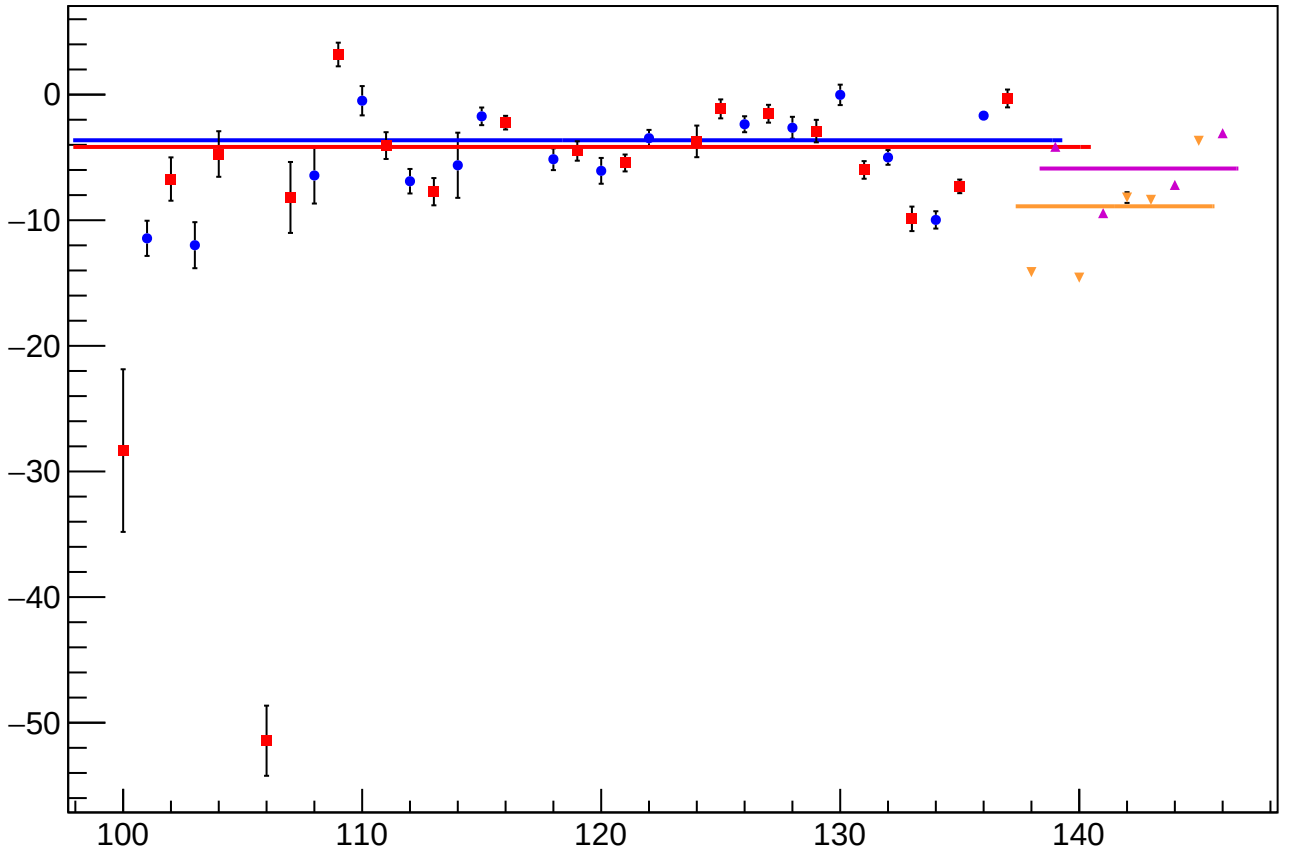
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.111+/-0.017 χ^2/NDF:58.2/3

+ sign 0.078+/-0.013 χ^2/NDF: 1240.2/20

All: 0.005+/-0.009 χ^2/NDF: 2510.1/43

- sign -0.070+/-0.013 χ^2/NDF: 1206.0/22



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.892+/-0.130 χ^2/NDF:1266.0/4

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

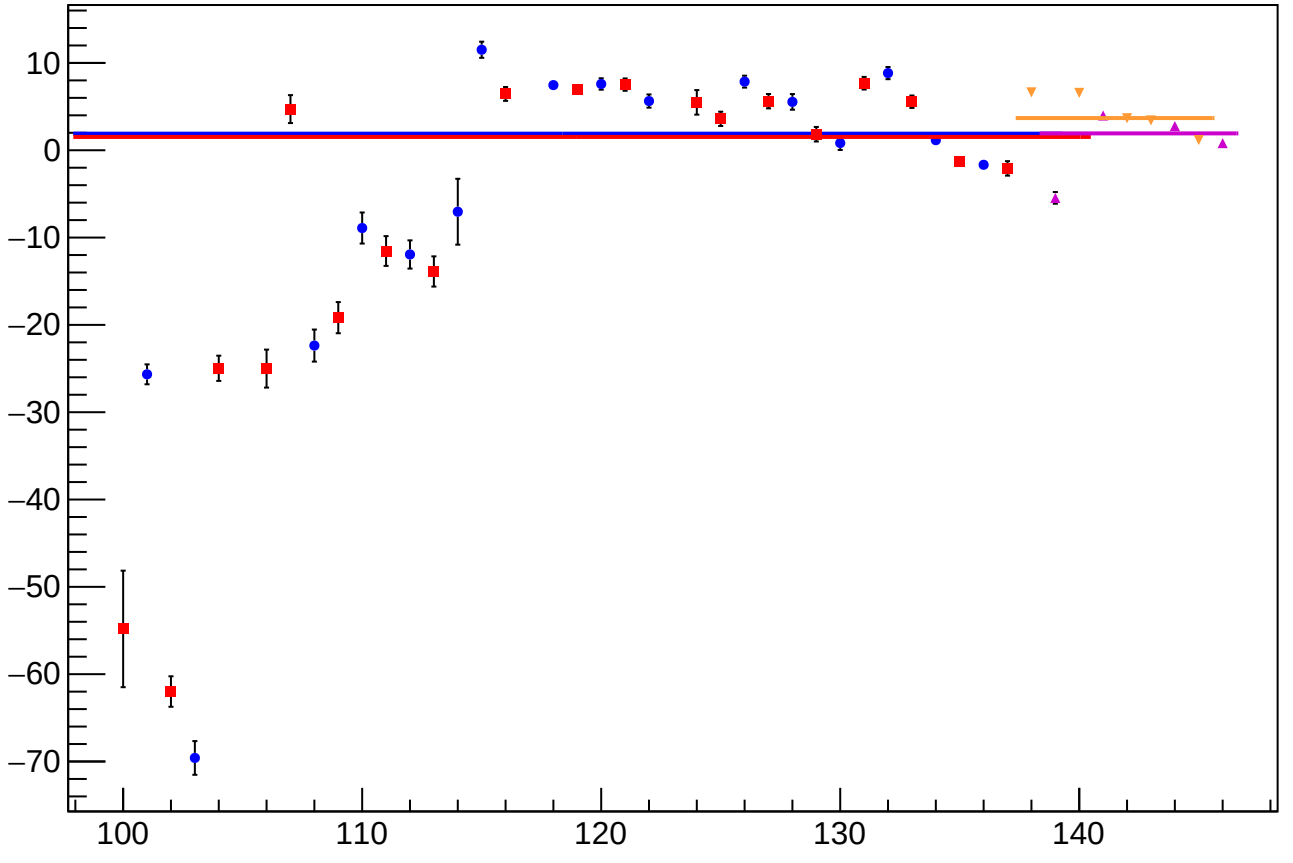
Left In: -5.884+/-0.132 χ^2/NDF:351.3/3

+ sign -7.210+/-0.107 χ^2/NDF: 2026.9/20

All: -6.314+/-0.077 χ^2/NDF: 3104.6/43

- sign -5.359+/-0.110 χ^2/NDF: 932.4/22

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.688+/-0.103 χ^2/NDF:450.8/4

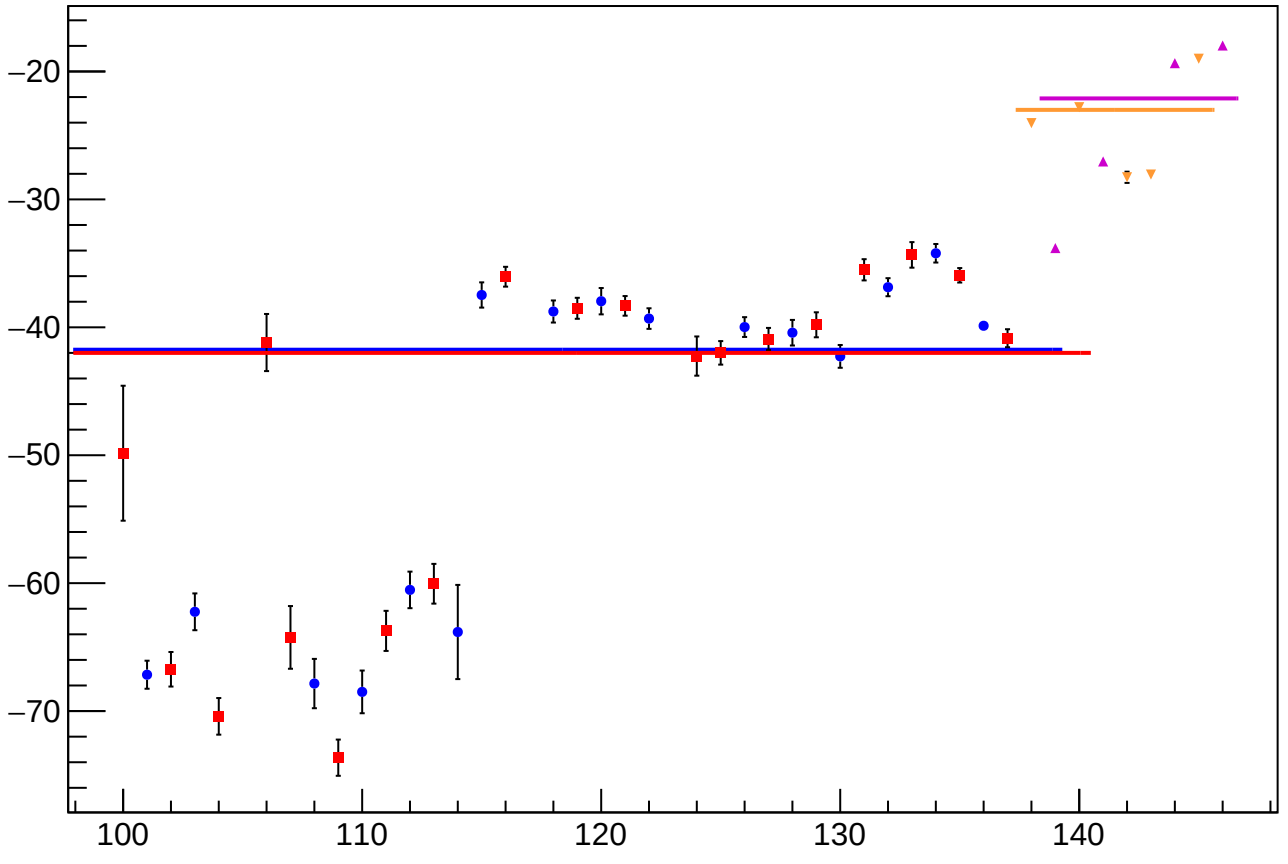
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 1.932+/-0.095 χ^2/NDF:303.6/3

+ sign 3.278+/-0.090 χ^2/NDF: 3358.1/20

All: 2.536+/-0.062 χ^2/NDF: 6353.0/43

- sign 1.862+/-0.086 χ^2/NDF: 2866.6/22



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -23.000+/-0.134 χ^2/NDF:728.7/4

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

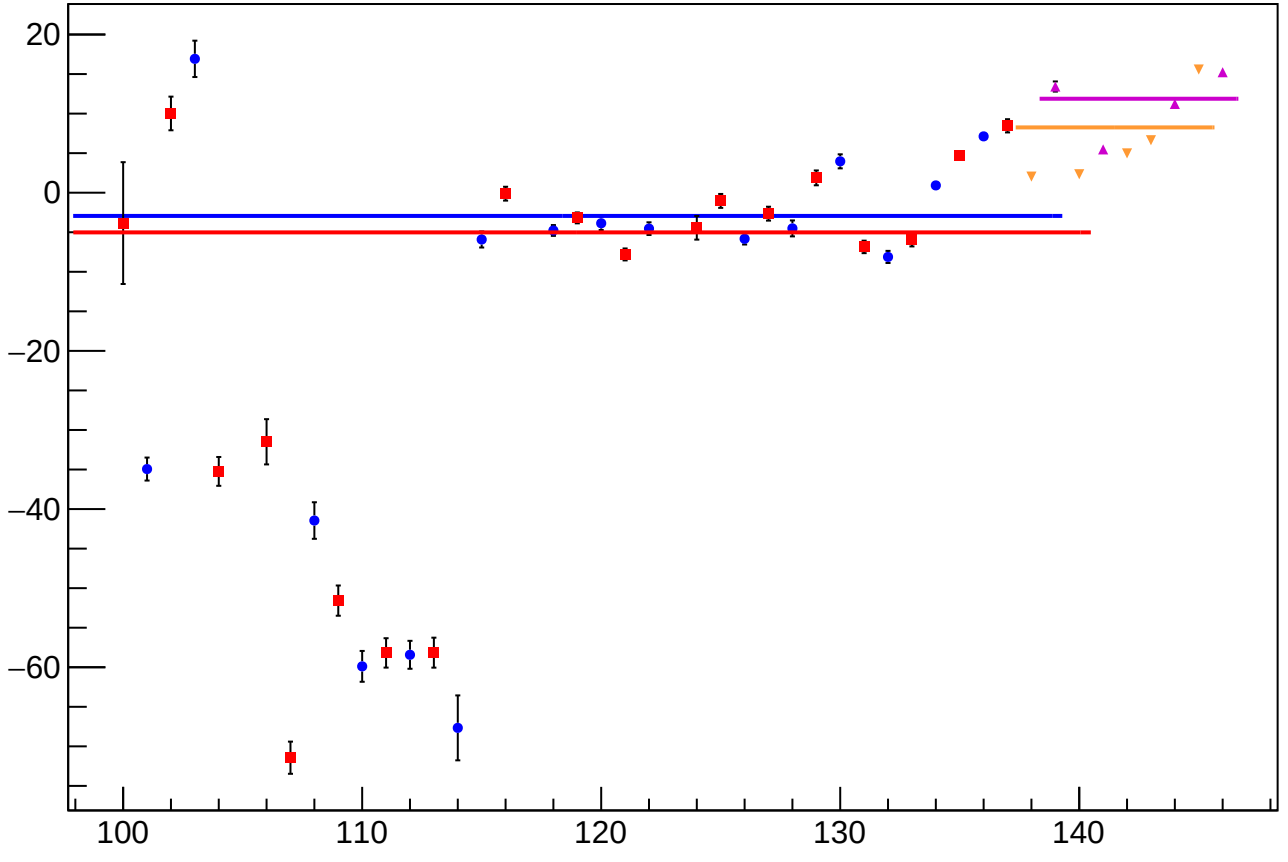
Left In: -22.106+/-0.133 χ^2/NDF:1682.6/3

+ sign -28.490+/-0.112 χ^2/NDF: 8130.5/20

All: -27.848+/-0.080 χ^2/NDF: 17525.8/43

- sign -27.172+/-0.115 χ^2/NDF: 9328.2/22

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.255+/-0.121 χ^2/NDF:2193.8/4

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

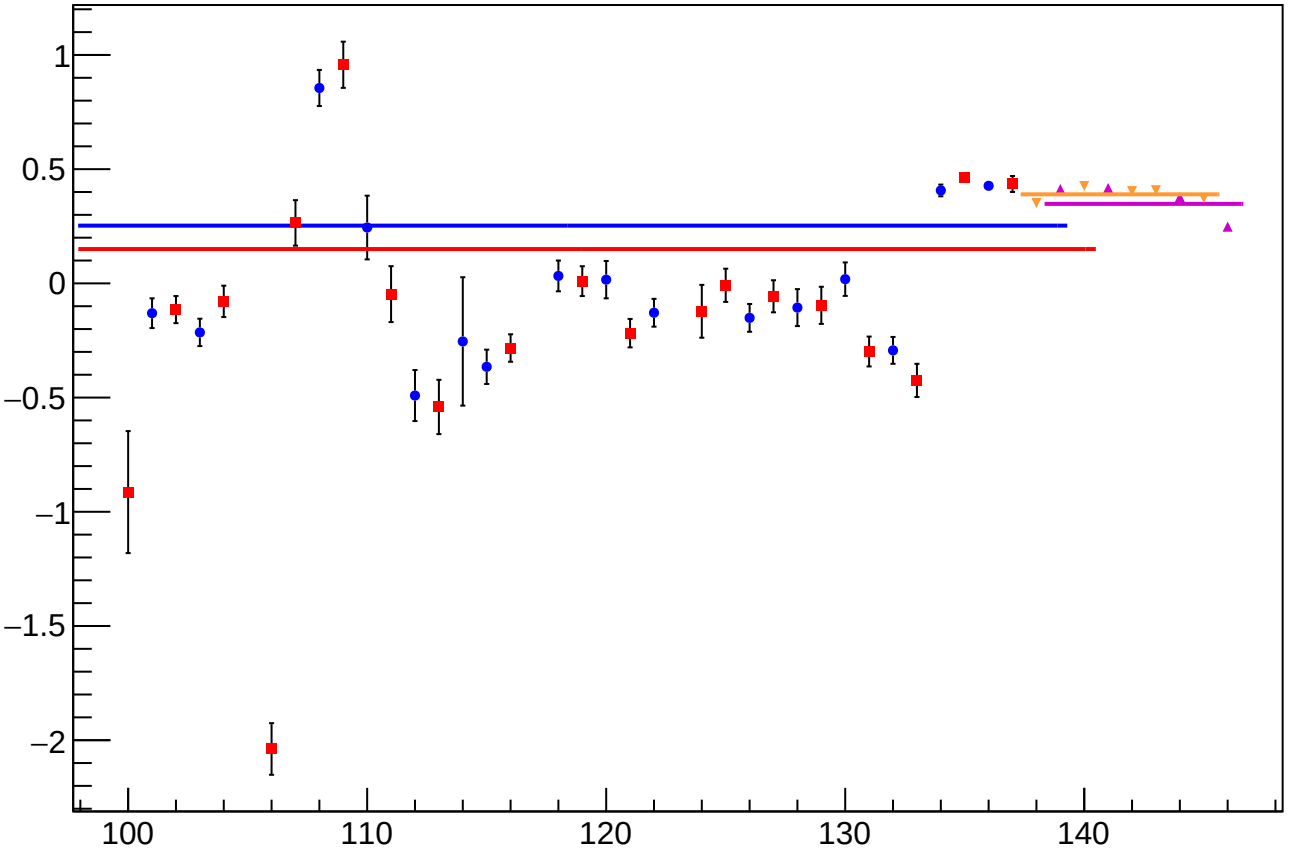
Left In: 11.879+/-0.114 χ^2/NDF:1028.9/3

+ sign 5.460+/-0.105 χ^2/NDF: 8057.1/20

All: 7.059+/-0.073 χ^2/NDF: 18196.1/43

- sign 8.585+/-0.102 χ^2/NDF: 9684.0/22

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.390+/-0.006 χ^2/NDF:21.4/4

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

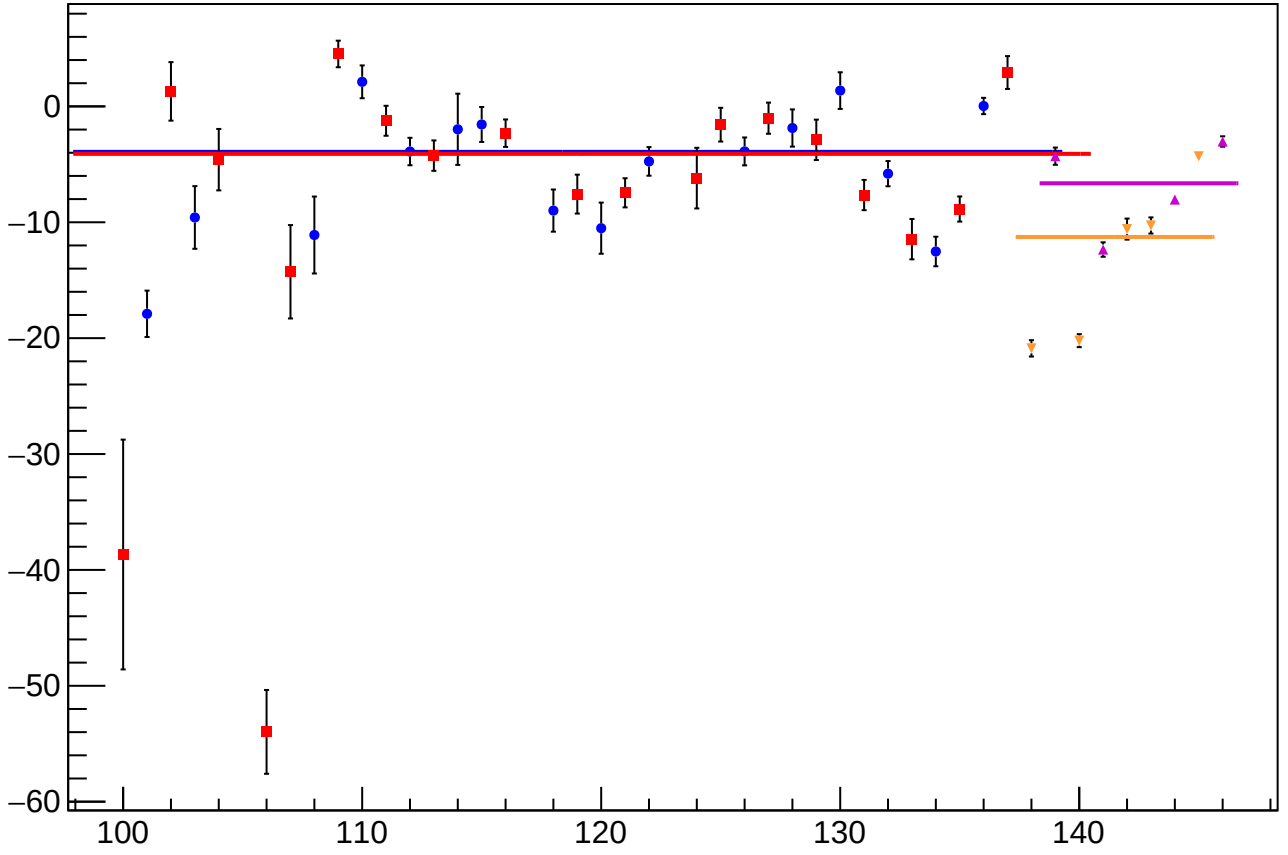
Left In: 0.348+/-0.006 χ^2/NDF:169.3/3

+ sign 0.364+/-0.005 χ^2/NDF: 768.3/20

All: 0.342+/-0.004 χ^2/NDF: 2182.8/43

- sign 0.318+/-0.005 χ^2/NDF: 1373.7/22

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.268+/-0.259 χ^2/NDF:754.5/4

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

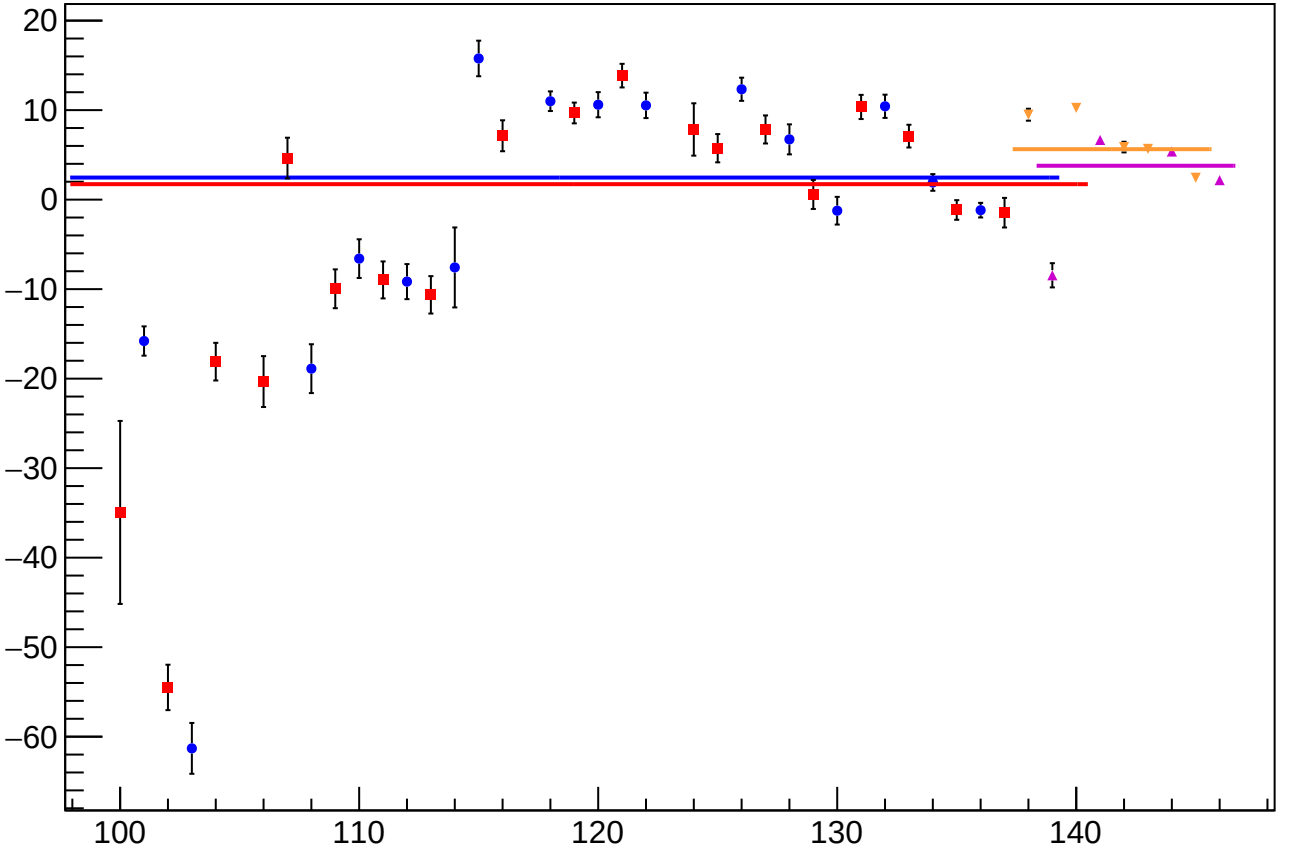
Left In: -6.635+/-0.260 χ^2/NDF:169.2/3

+ sign -8.630+/-0.207 χ^2/NDF: 1232.0/20

All: -7.212+/-0.148 χ^2/NDF: 1896.0/43

- sign -5.753+/-0.210 χ^2/NDF: 569.1/22

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.637+/-0.206 χ^2/NDF:232.5/4

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

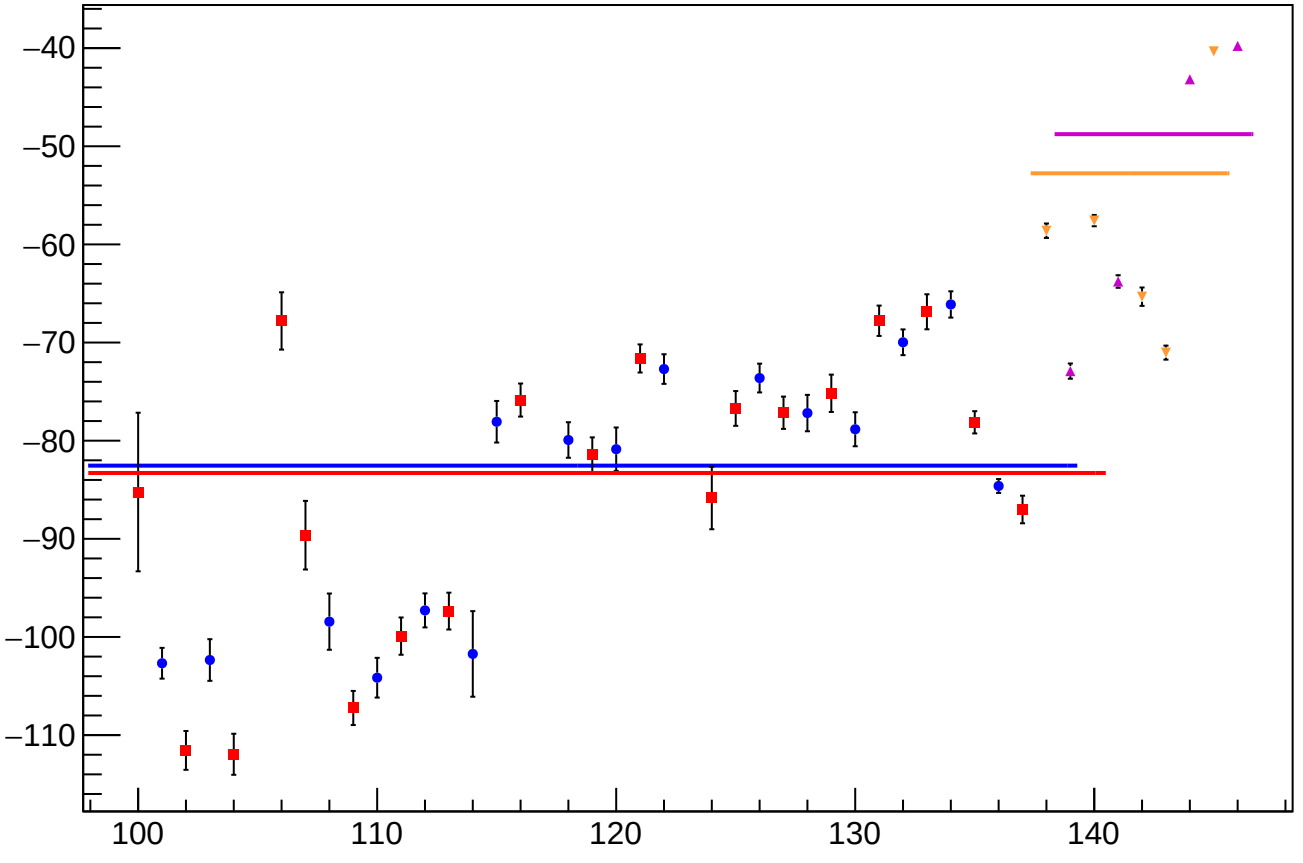
Left In: 3.785+/-0.183 χ^2/NDF:184.5/3

+ sign 4.842+/-0.179 χ^2/NDF: 1338.5/20

All: 4.071+/-0.121 χ^2/NDF: 2564.0/43

- sign 3.406+/-0.166 χ^2/NDF: 1190.8/22

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -52.756+/-0.267 χ^2/NDF:1897.3/4

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

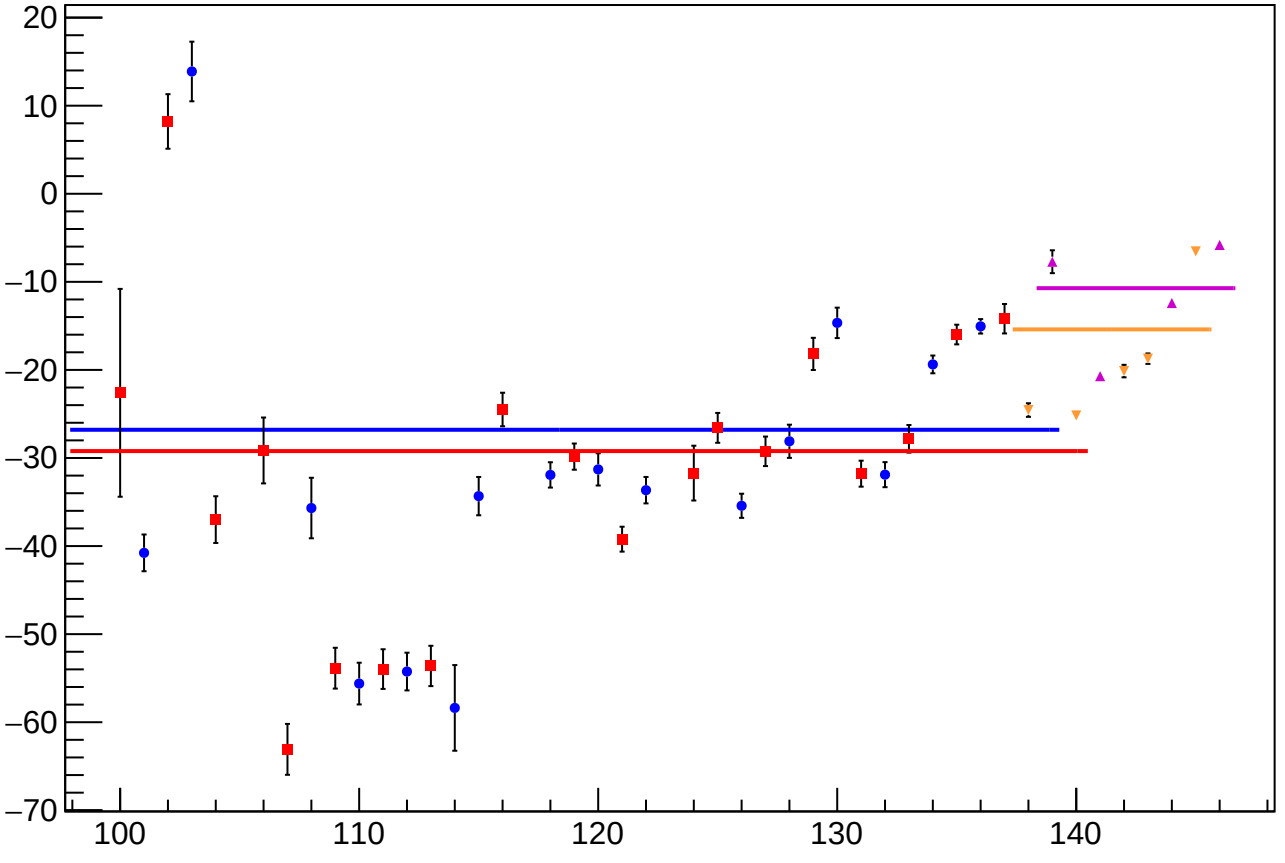
Left In: -48.765+/-0.262 χ^2/NDF:2112.5/3

+ sign -62.470+/-0.219 χ^2/NDF: 6784.2/20

All: -60.572+/-0.156 χ^2/NDF: 15099.5/43

- sign -58.639+/-0.222 χ^2/NDF: 8164.4/22

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.399+/-0.242 χ^2/NDF:1105.5/4

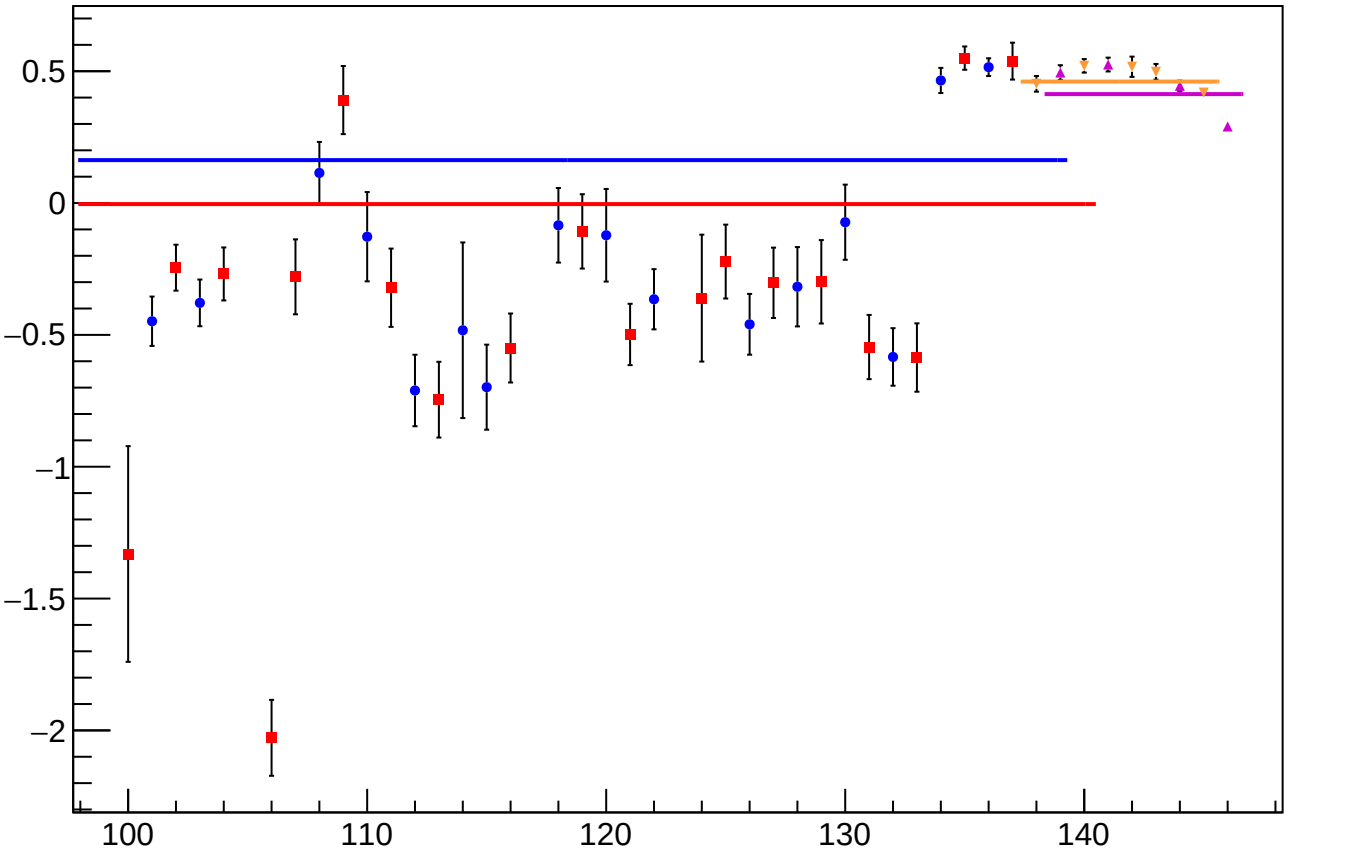
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -10.720+/-0.222 χ^2/NDF:585.2/3

+ sign -18.498+/-0.206 χ^2/NDF: 2673.3/20

All: -16.462+/-0.143 χ^2/NDF: 5860.6/43

- sign -14.598+/-0.197 χ^2/NDF: 3000.7/22



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.461+/-0.011 χ^2/NDF:15.9/4

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

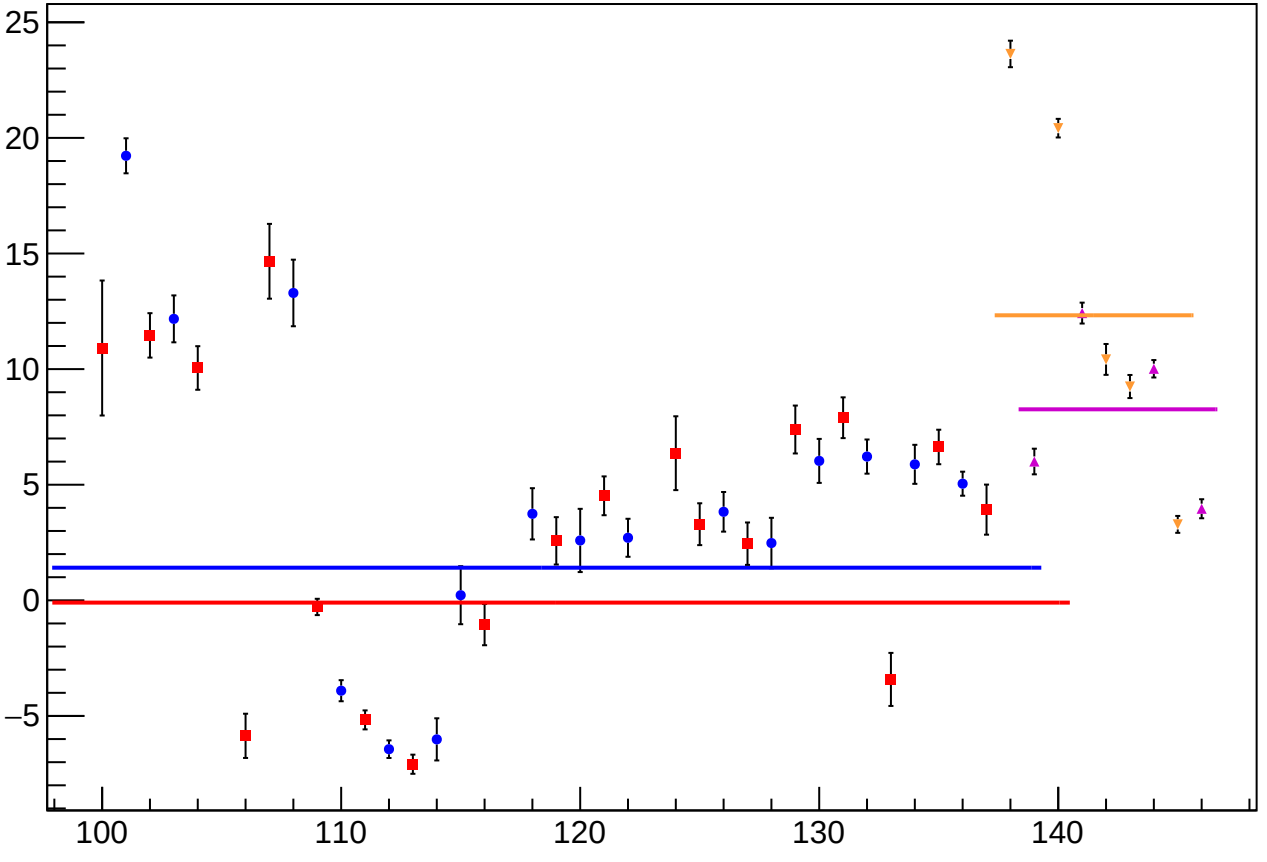
Left In: 0.413+/-0.011 χ^2/NDF:72.5/3

+ sign 0.399+/-0.010 χ^2/NDF: 591.7/20

All: 0.371+/-0.007 χ^2/NDF: 1496.0/43

- sign 0.342+/-0.010 χ^2/NDF: 888.3/22

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: 12.328+/-0.209 χ^2/NDF:1450.2/4

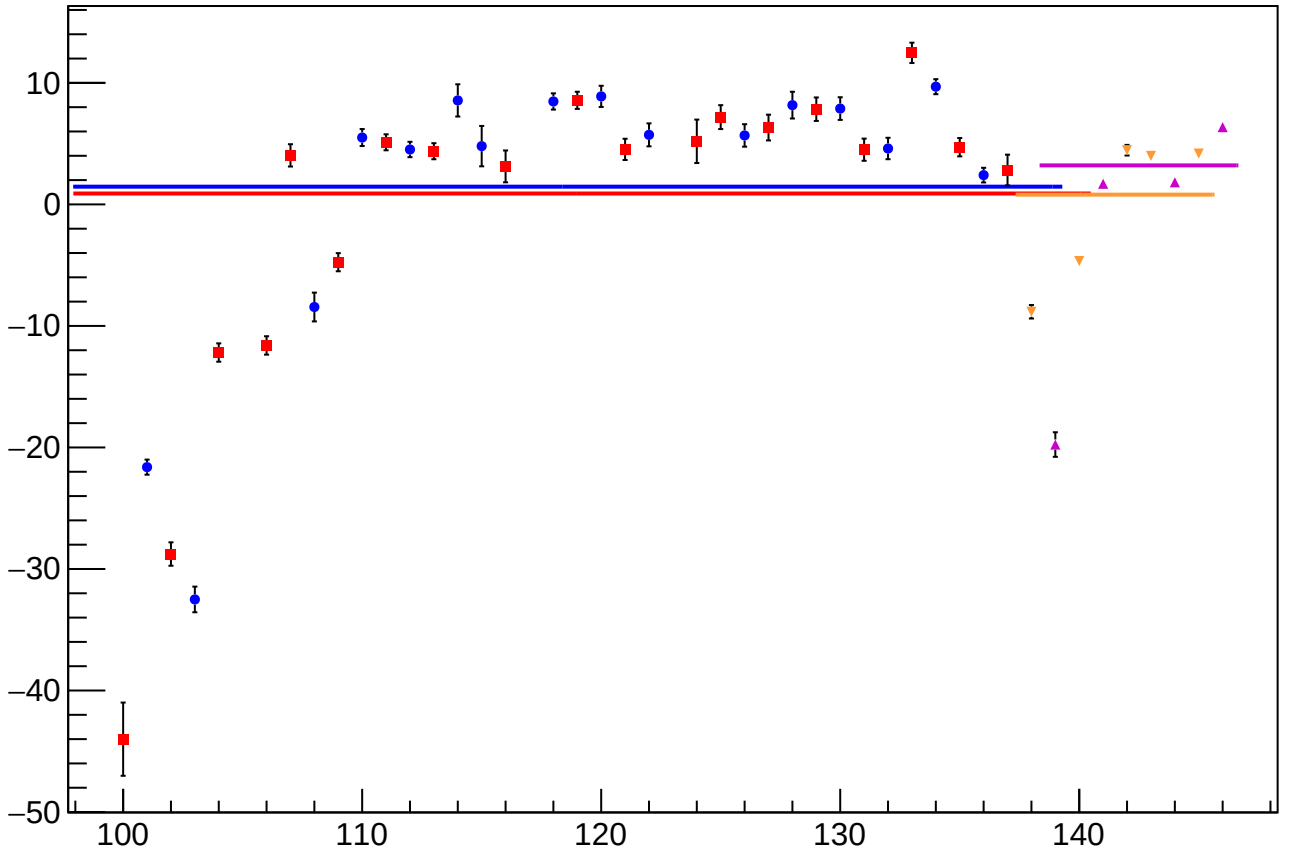
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 8.261+/-0.218 χ^2/NDF:232.3/3

+ sign 6.158+/-0.138 χ^2/NDF: 4517.5/20

All: 4.524+/-0.096 χ^2/NDF: 7094.7/43

- sign 3.006+/-0.133 χ^2/NDF: 2305.6/22



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 0.803+/-0.166 χ^2/NDF:846.5/4

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

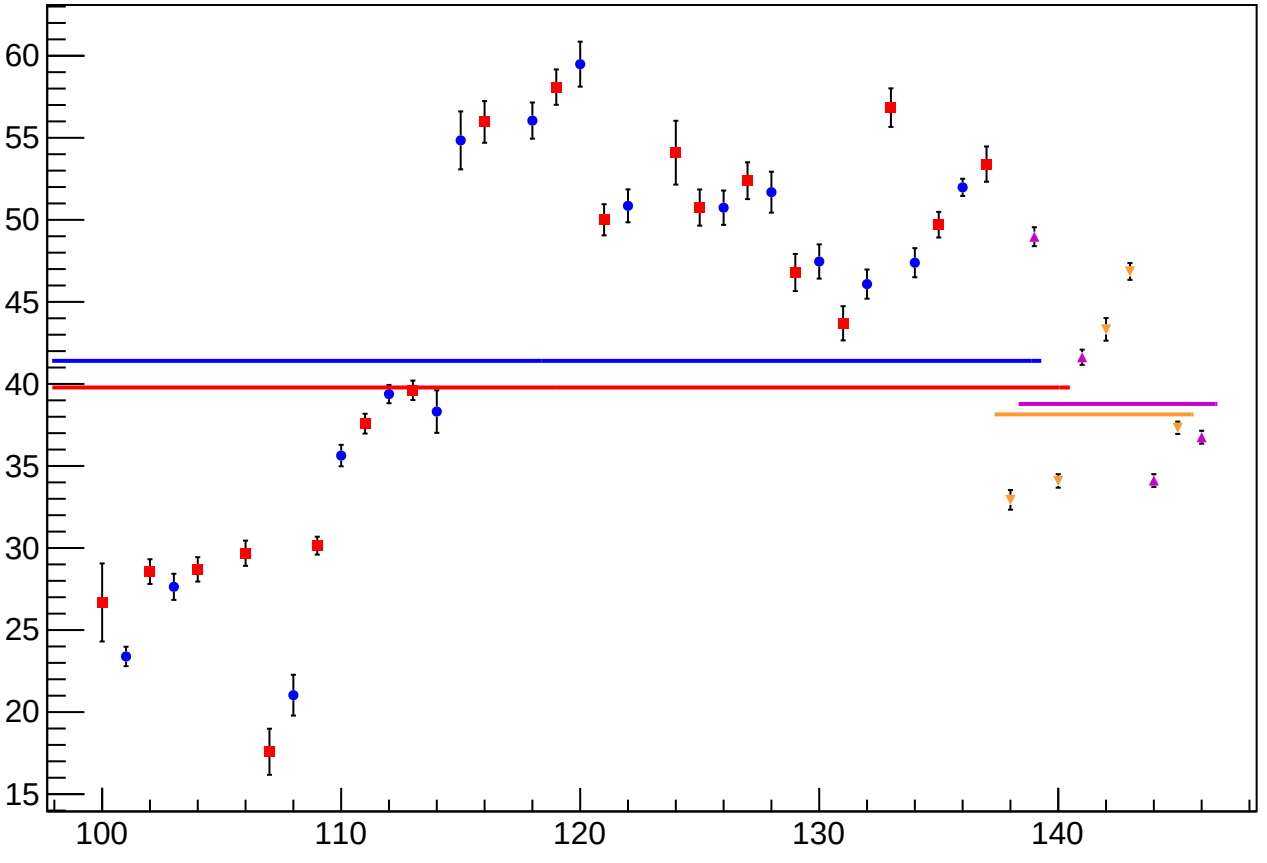
Left In: 3.210+/-0.157 χ^2/NDF:733.8/3

+ sign 1.066+/-0.129 χ^2/NDF: 3933.0/20

All: 1.725+/-0.089 χ^2/NDF: 7176.2/43

- sign 2.338+/-0.124 χ^2/NDF: 3192.6/22

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: 38.144+/-0.215 χ^2/NDF:521.0/4

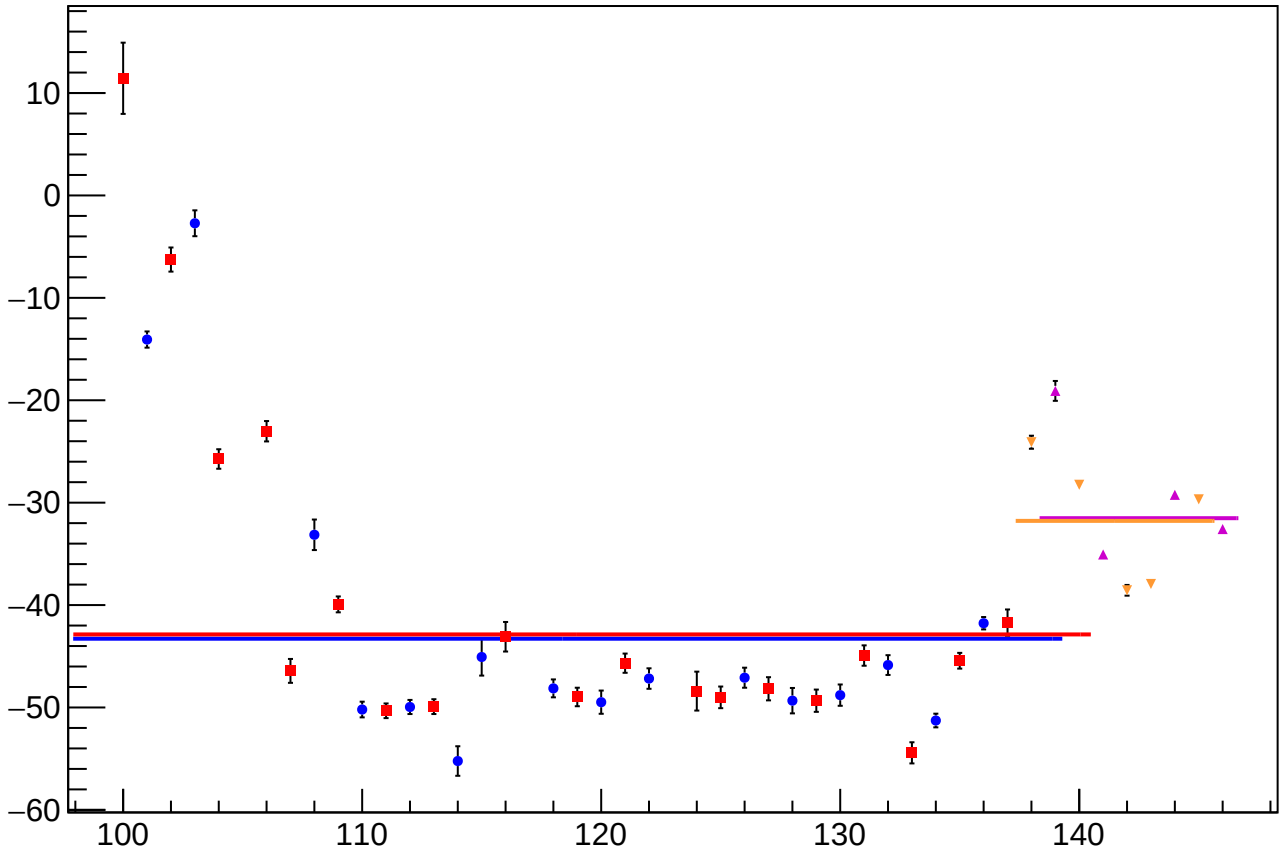
Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 38.782+/-0.220 χ^2/NDF:520.2/3

\+ sign 39.810+/-0.151 χ^2/NDF: 3384.4/20

All: 39.565+/-0.106 χ^2/NDF: 6574.9/43

\- sign 39.323+/-0.149 χ^2/NDF: 3185.2/22



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -31.779+/-0.195 χ^2/NDF:635.9/4

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

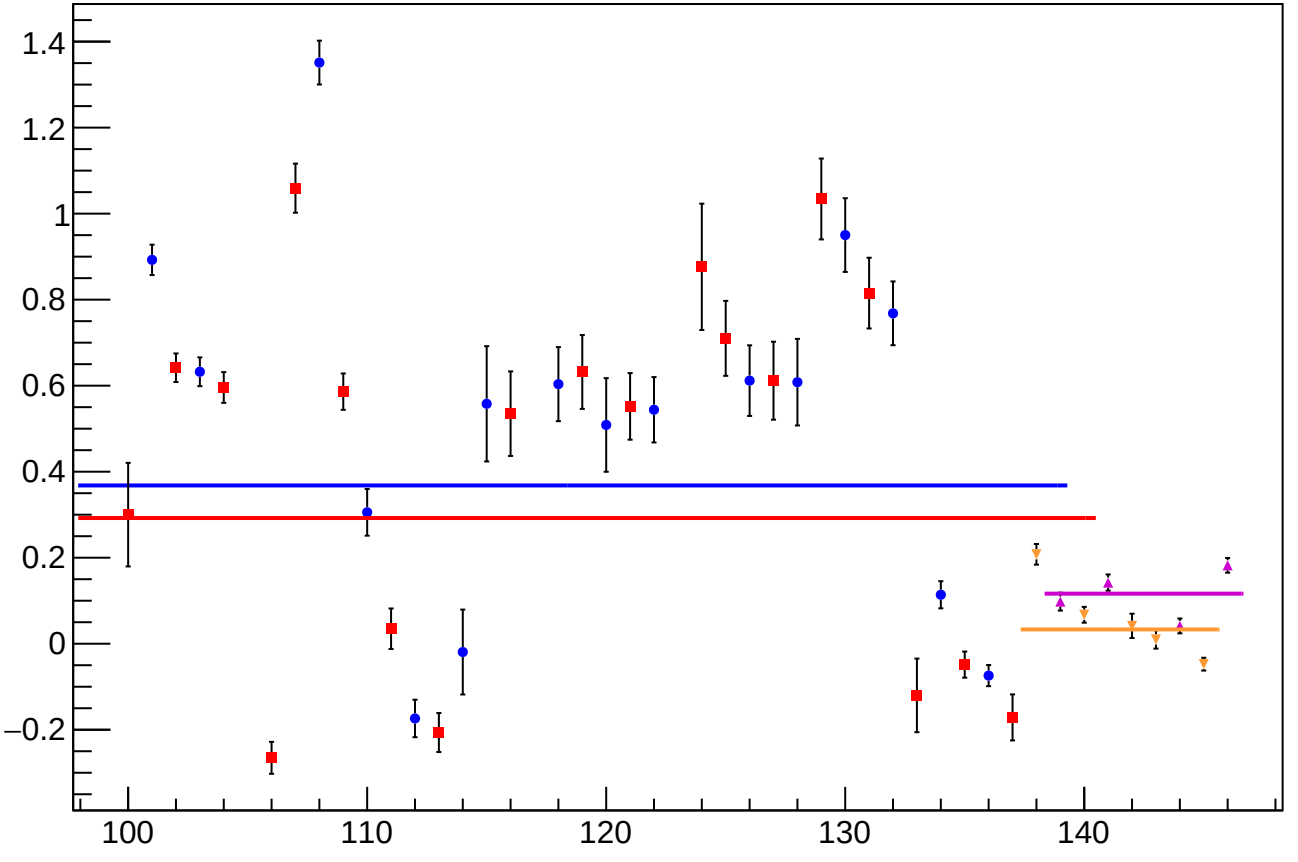
Left In: -31.517+/-0.189 χ^2/NDF:307.1/3

+ sign -36.612+/-0.149 χ^2/NDF: 5081.2/20

All: -36.363+/-0.104 χ^2/NDF: 9307.2/43

- sign -36.124+/-0.146 χ^2/NDF: 4220.5/22

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: 0.033+/-0.009 χ^2/NDF:86.9/4

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

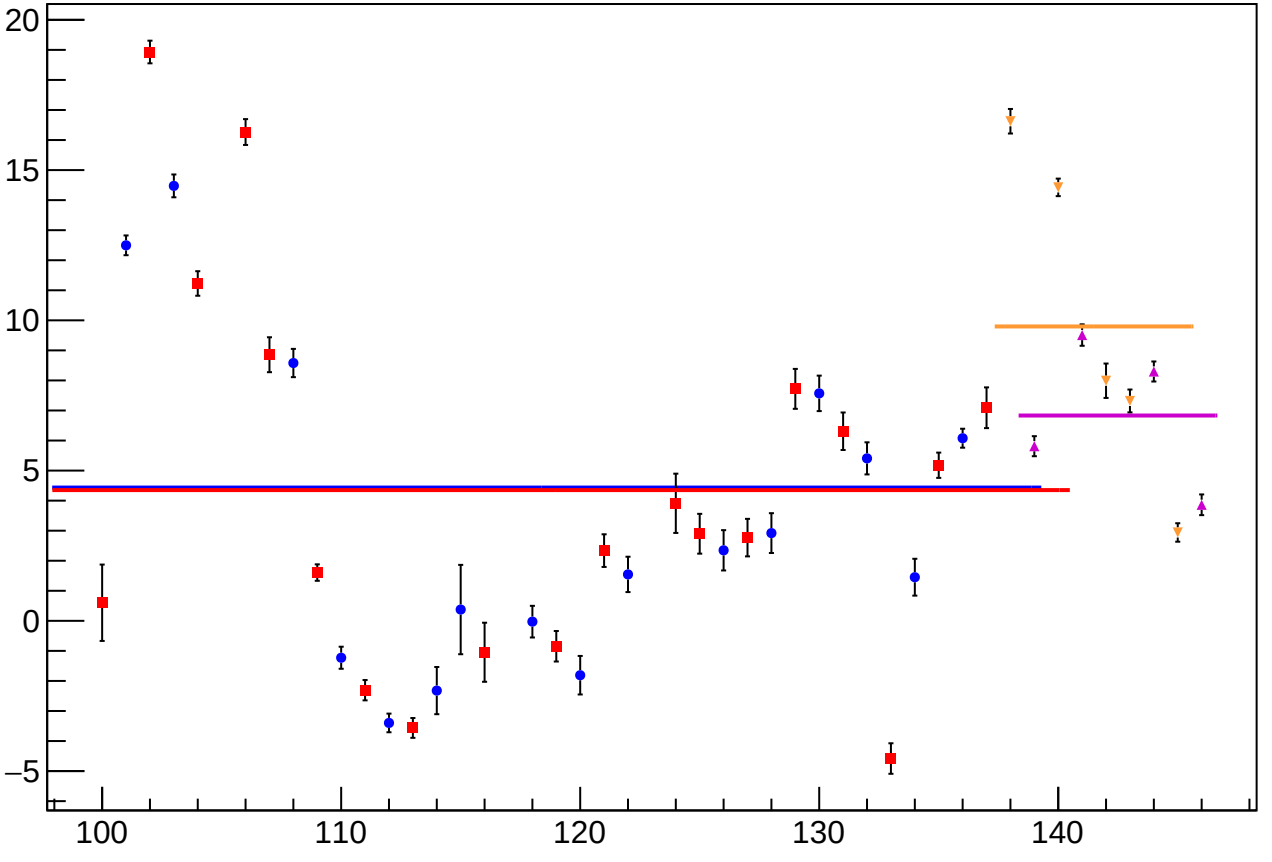
Left In: 0.116+/-0.009 χ^2/NDF:36.4/3

+ sign 0.149+/-0.007 χ^2/NDF: 1899.5/20

All: 0.165+/-0.005 χ^2/NDF: 3278.4/43

- sign 0.181+/-0.007 χ^2/NDF: 1369.7/22

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: 9.796+/-0.162 χ^2/NDF:1082.1/4

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

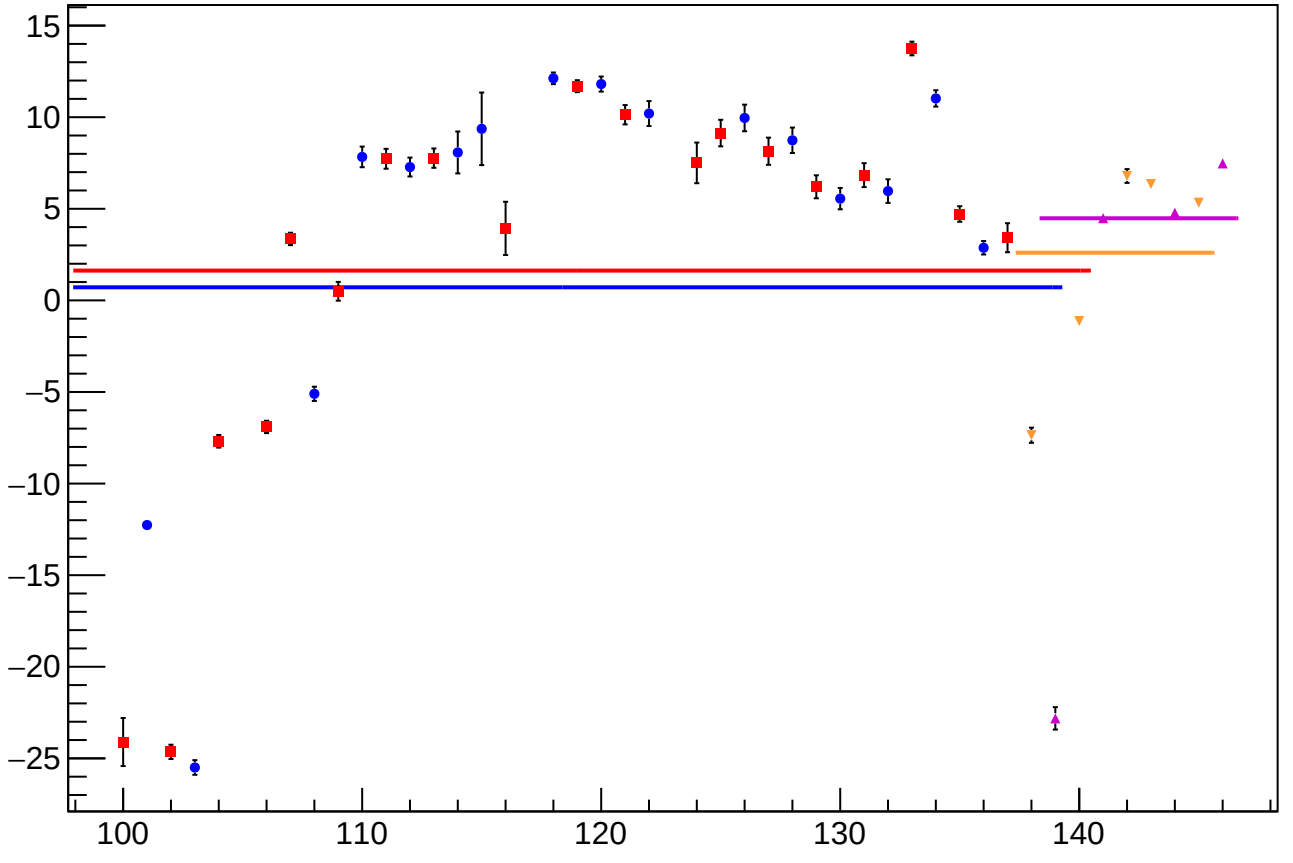
Left In: 6.833+/-0.171 χ^2/NDF:159.4/3

+ sign 6.279+/-0.095 χ^2/NDF: 4426.9/20

All: 5.656+/-0.066 χ^2/NDF: 9025.3/43

- sign 5.070+/-0.092 χ^2/NDF: 4514.6/22

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: 2.601+/-0.131 χ^2/NDF:1234.5/4

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

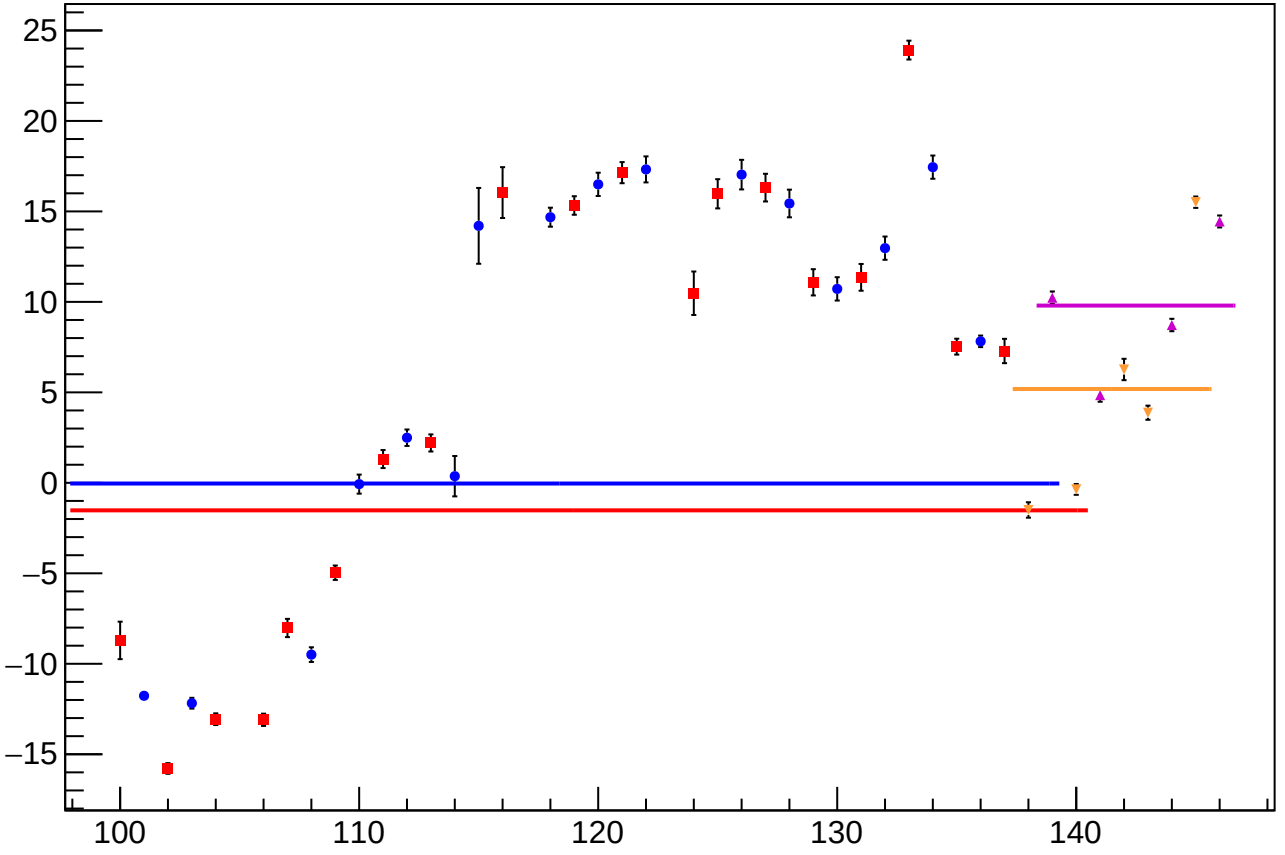
Left In: 4.482+/-0.133 χ^2/NDF:2195.7/3

+ sign 1.541+/-0.087 χ^2/NDF: 11804.4/20

All: 2.180+/-0.061 χ^2/NDF: 23632.8/43

- sign 2.797+/-0.085 χ^2/NDF: 11722.1/22

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: 5.186+/-0.166 χ^2/NDF:1675.6/4

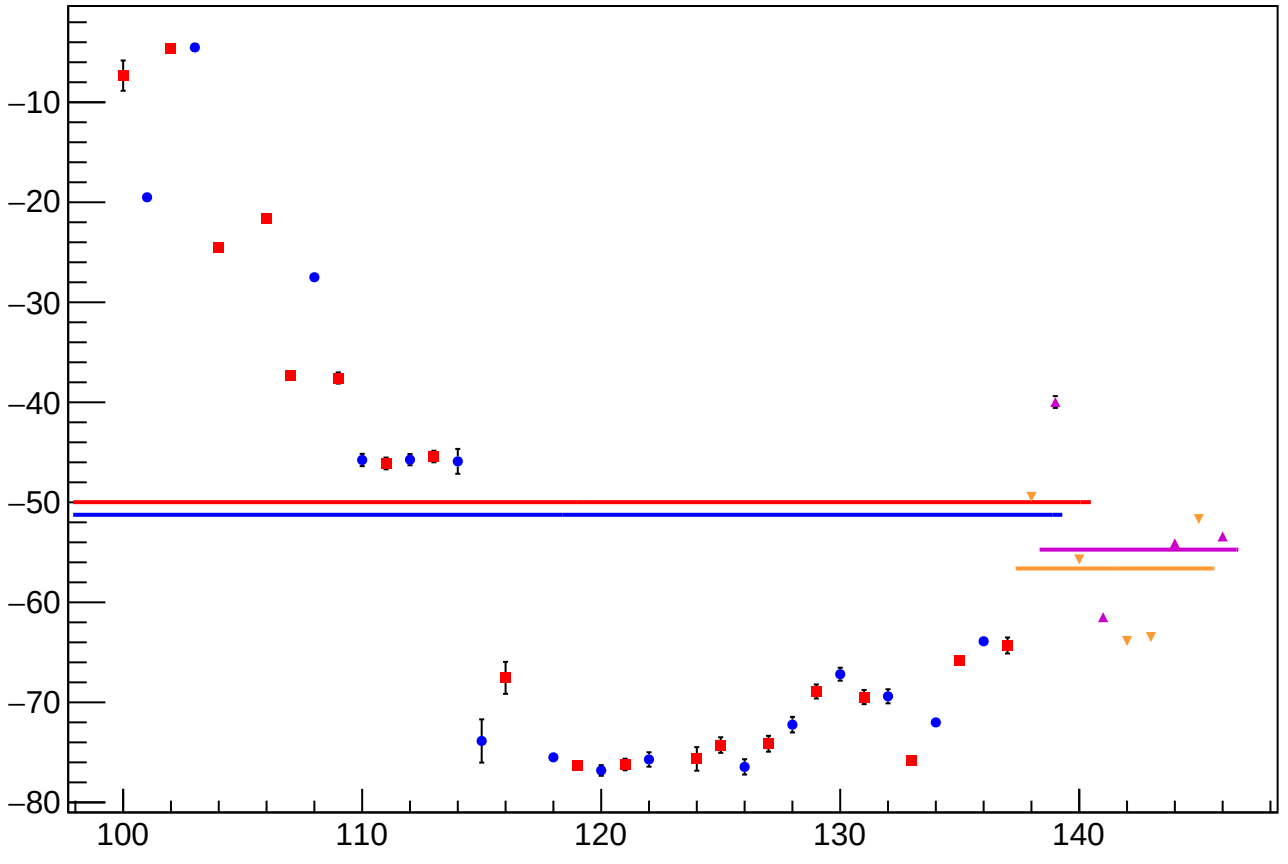
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 9.795+/-0.173 χ^2/NDF:391.0/3

+ sign 1.736+/-0.097 χ^2/NDF: 11600.5/20

All: 1.843+/-0.068 χ^2/NDF: 27087.7/43

- sign 1.948+/-0.096 χ^2/NDF: 15484.8/22



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -56.613+/-0.154 χ^2/NDF:1229.8/4

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

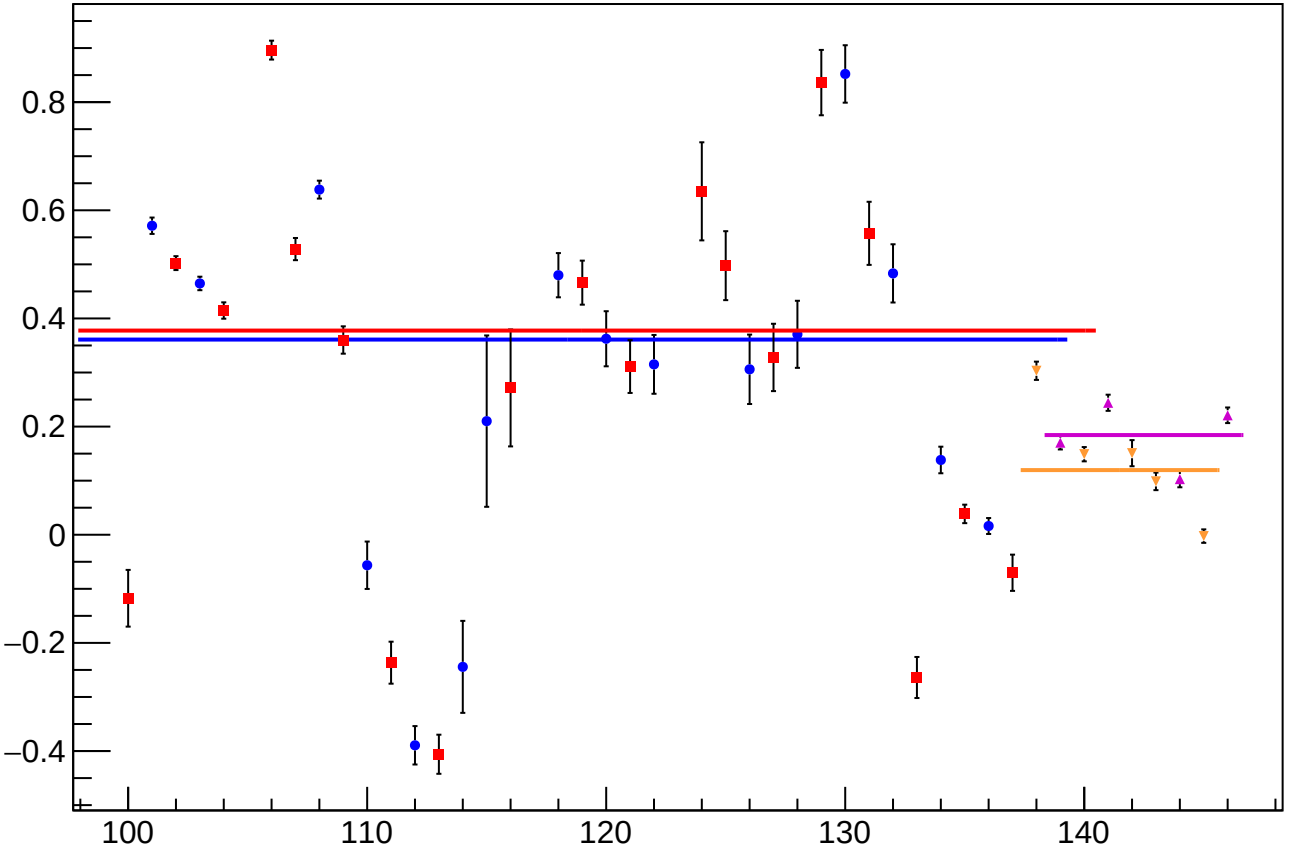
Left In: -54.728+/-0.158 χ^2/NDF:1133.8/3

\+ sign -53.594+/-0.102 χ^2/NDF: 35678.7/20

All: -52.743+/-0.072 χ^2/NDF: 71378.7/43

\- sign -51.910+/-0.101 χ^2/NDF: 35561.8/22

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.120+/-0.007 χ^2/NDF:222.3/4

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

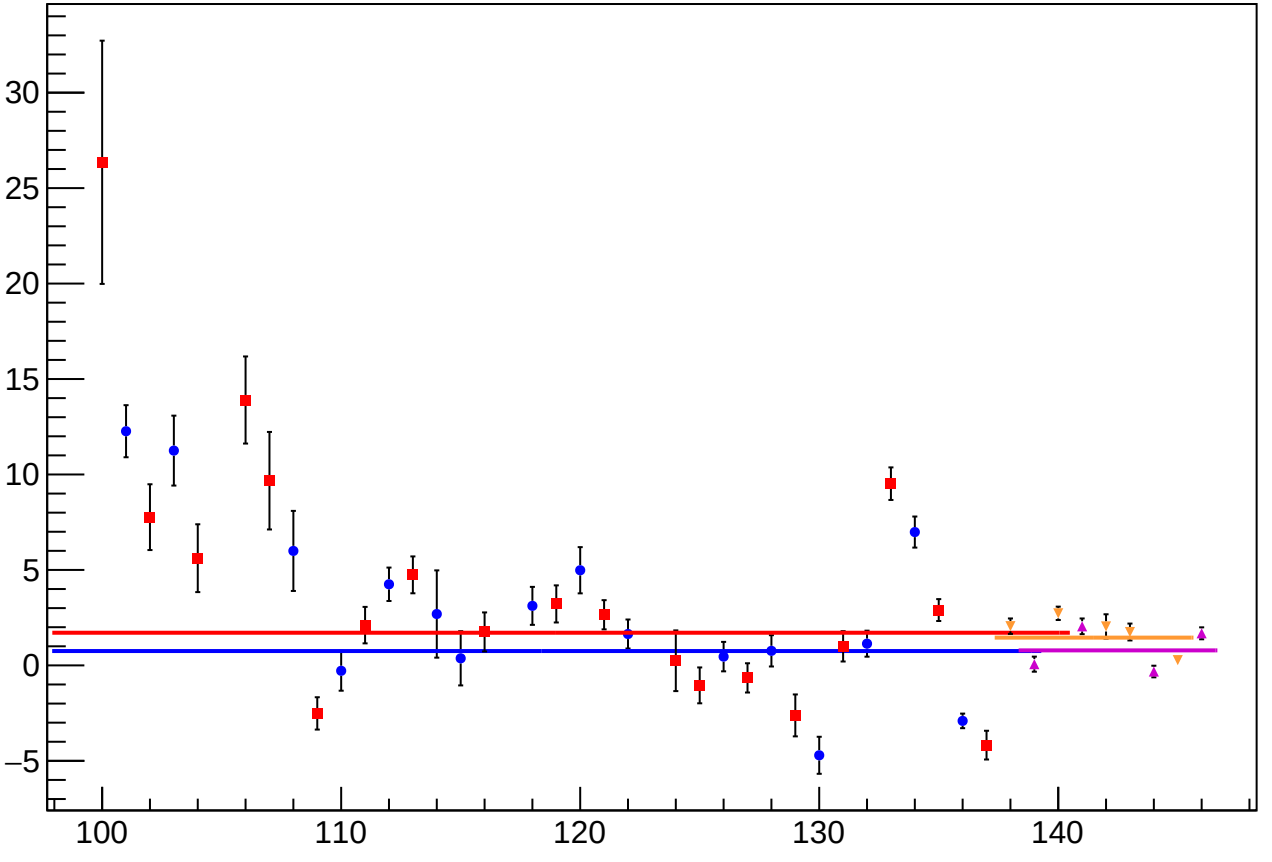
Left In: 0.184+/-0.007 χ^2/NDF:52.6/3

+ sign 0.249+/-0.005 χ^2/NDF: 2746.4/20

All: 0.272+/-0.003 χ^2/NDF: 6064.3/43

- sign 0.295+/-0.005 χ^2/NDF: 3269.9/22

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: 1.454+/-0.166 χ^2/NDF:36.8/4

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

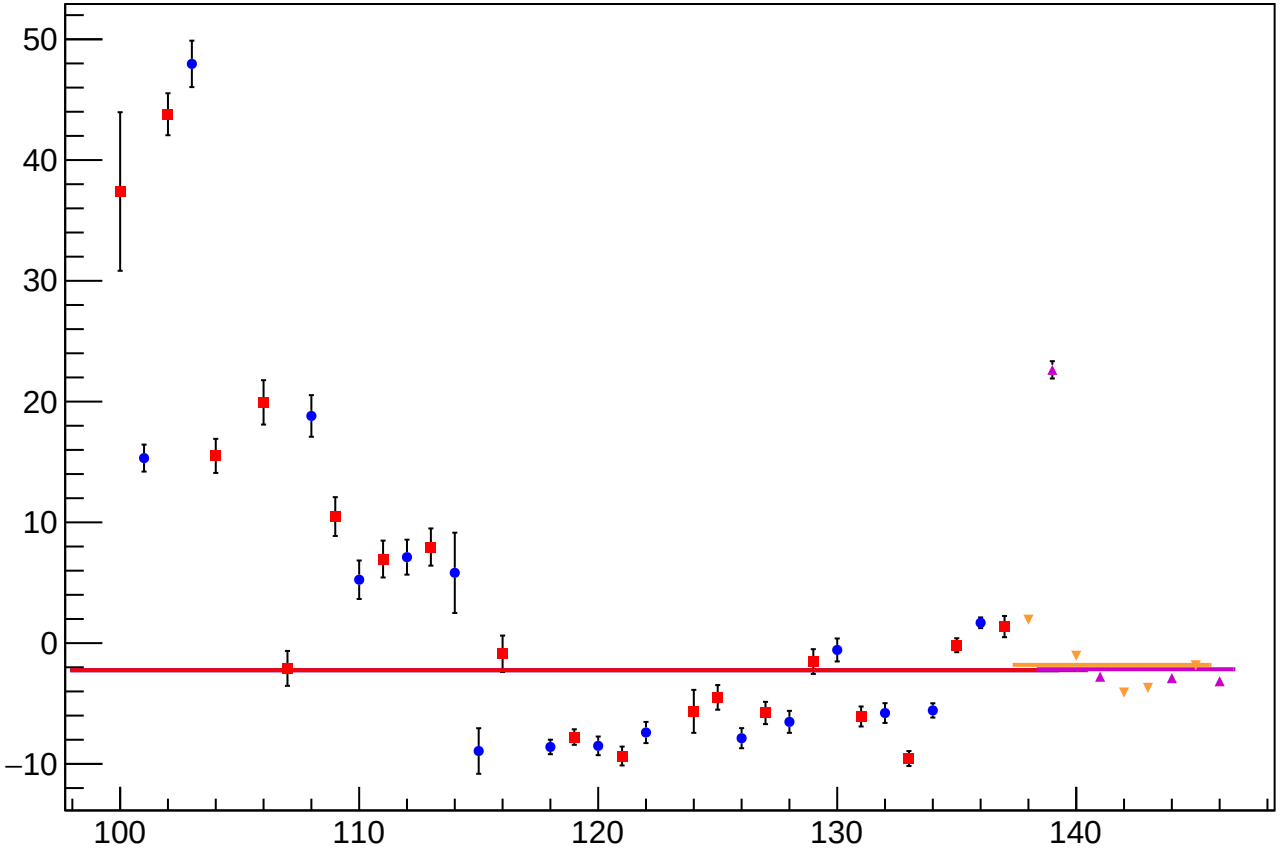
Left In: 0.786+/-0.173 χ^2/NDF:34.1/3

+ sign 1.188+/-0.131 χ^2/NDF: 373.7/20

All: 1.162+/-0.095 χ^2/NDF: 712.4/43

- sign 1.134+/-0.137 χ^2/NDF: 338.7/22

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: -1.799+/-0.134 χ^2/NDF:162.1/4

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

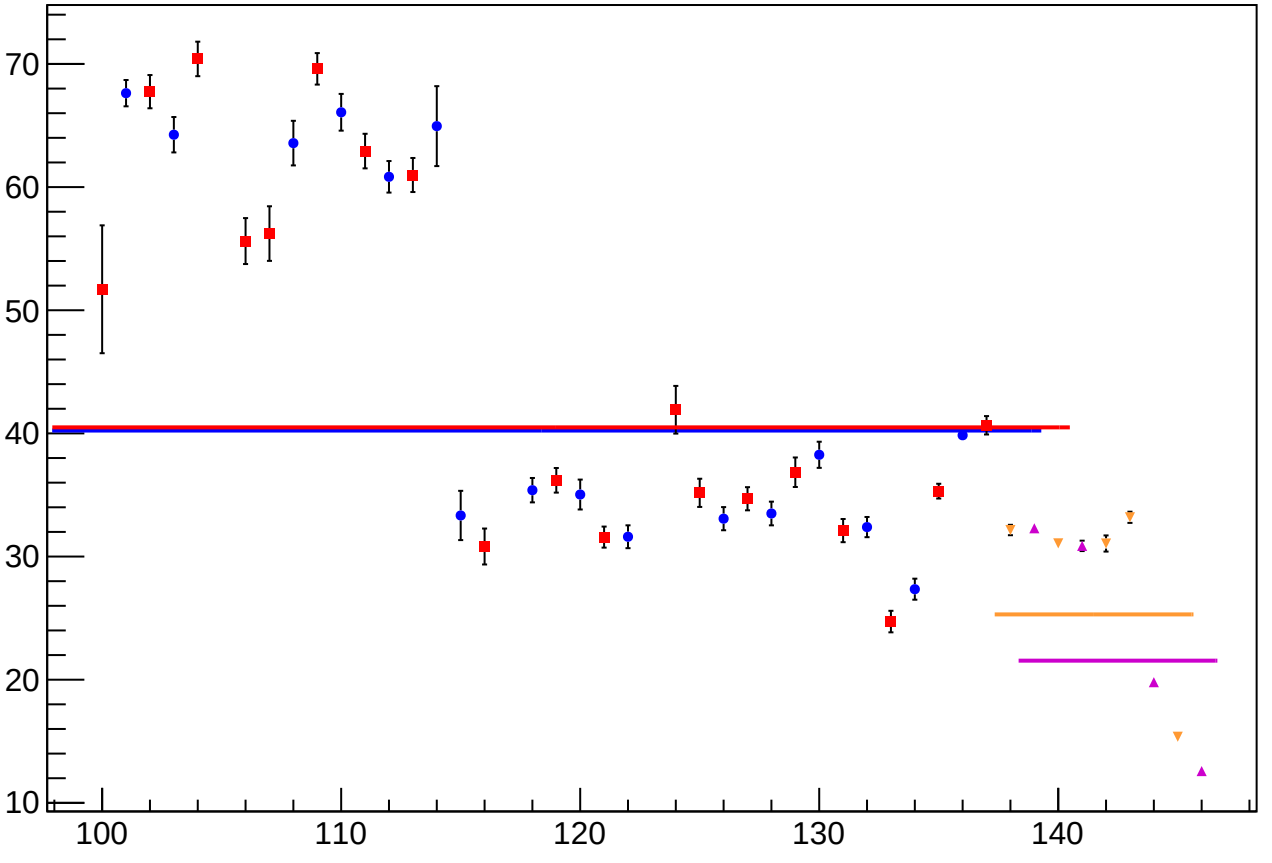
Left In: -2.160+/-0.129 χ^2/NDF:1233.5/3

+ sign -1.924+/-0.114 χ^2/NDF: 1737.7/20

All: -2.054+/-0.080 χ^2/NDF: 4529.5/43

- sign -2.180+/-0.113 χ^2/NDF: 2789.2/22

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.302+/-0.171 χ^2/NDF:2235.1/4

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

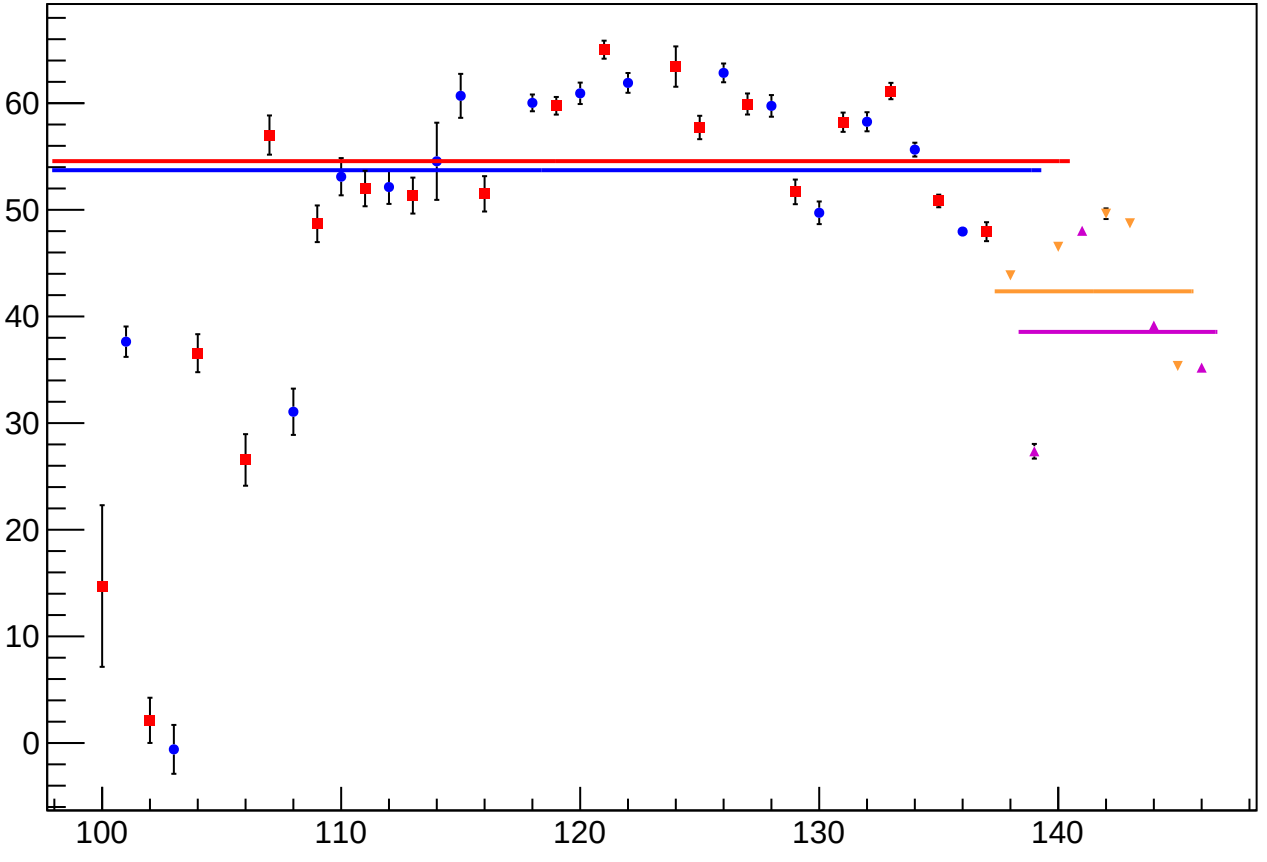
Left In: 21.546+/-0.175 χ^2/NDF:2086.8/3

+ sign 30.590+/-0.138 χ^2/NDF: 7213.7/20

All: 29.234+/-0.099 χ^2/NDF: 16045.1/43

- sign 27.762+/-0.143 χ^2/NDF: 8629.2/22

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.357+/-0.157 χ^2/NDF:1457.7/4

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

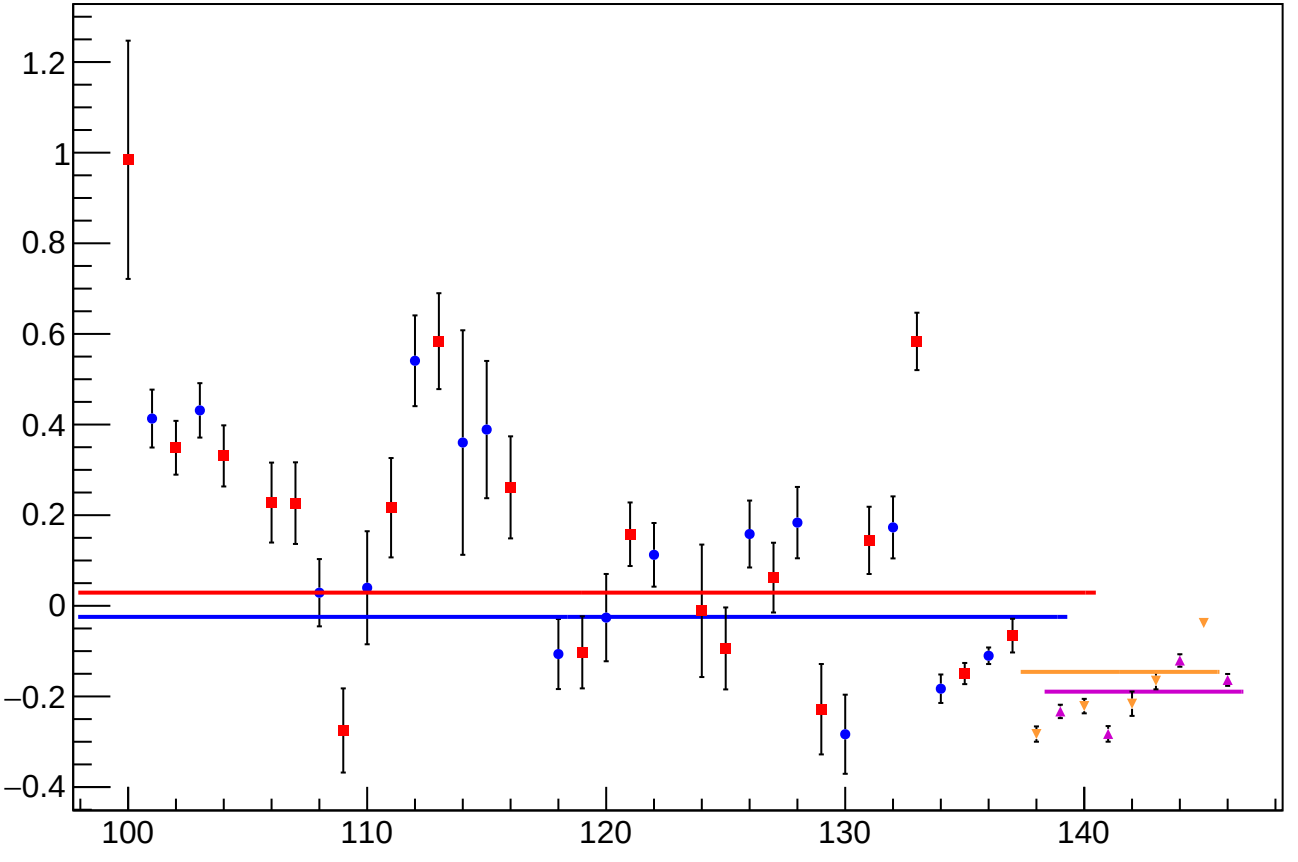
Left In: 38.553+/-0.154 χ^2/NDF:1171.5/3

+ sign 45.784+/-0.131 χ^2/NDF: 4397.4/20

All: 44.314+/-0.093 χ^2/NDF: 10030.6/43

- sign 42.821+/-0.132 χ^2/NDF: 5380.4/22

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: -0.146+/-0.007 χ^2/NDF:196.4/4

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

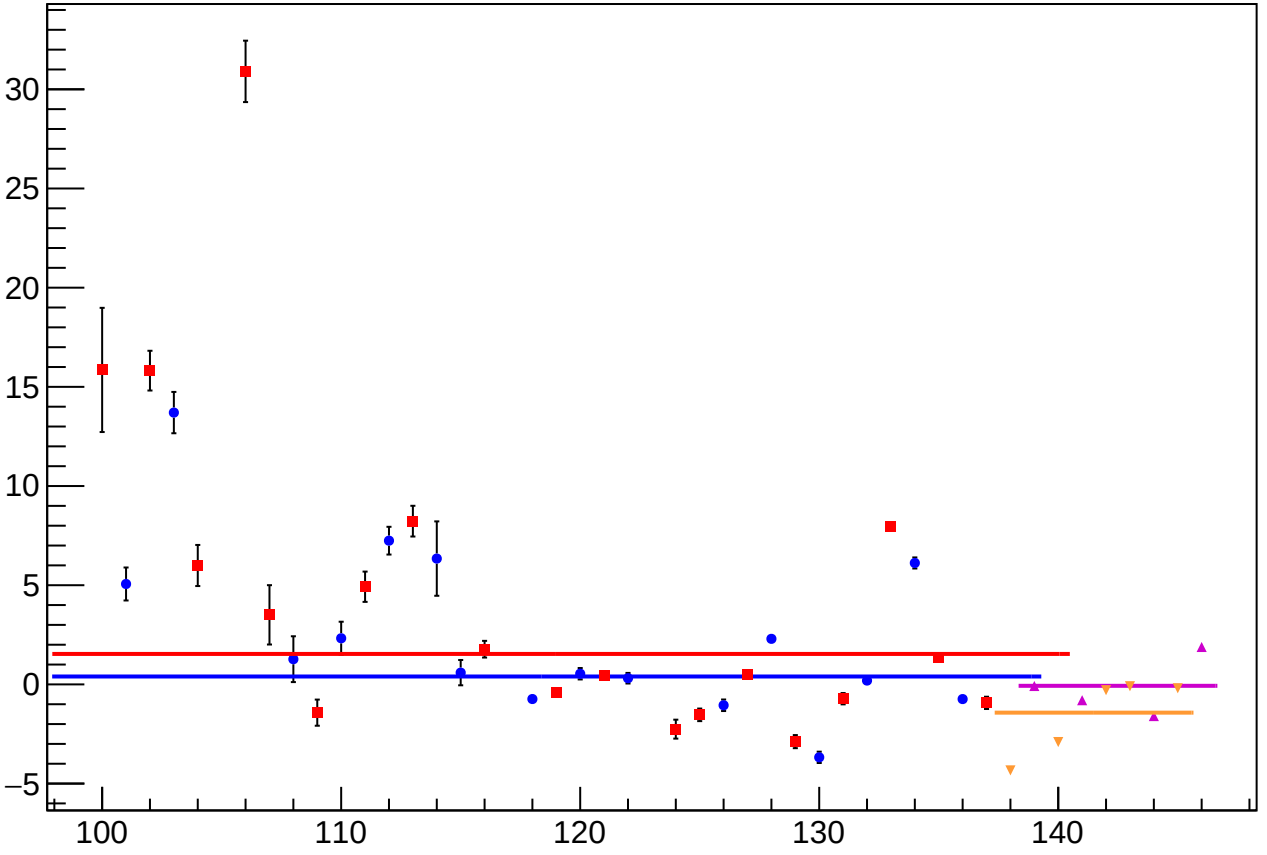
Left In: -0.189+/-0.007 χ^2/NDF:66.7/3

+ sign -0.118+/-0.006 χ^2/NDF: 495.2/20

All: -0.130+/-0.004 χ^2/NDF: 1034.2/43

- sign -0.144+/-0.006 χ^2/NDF: 530.0/22

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -1.424+/-0.062 χ^2/NDF:687.4/4

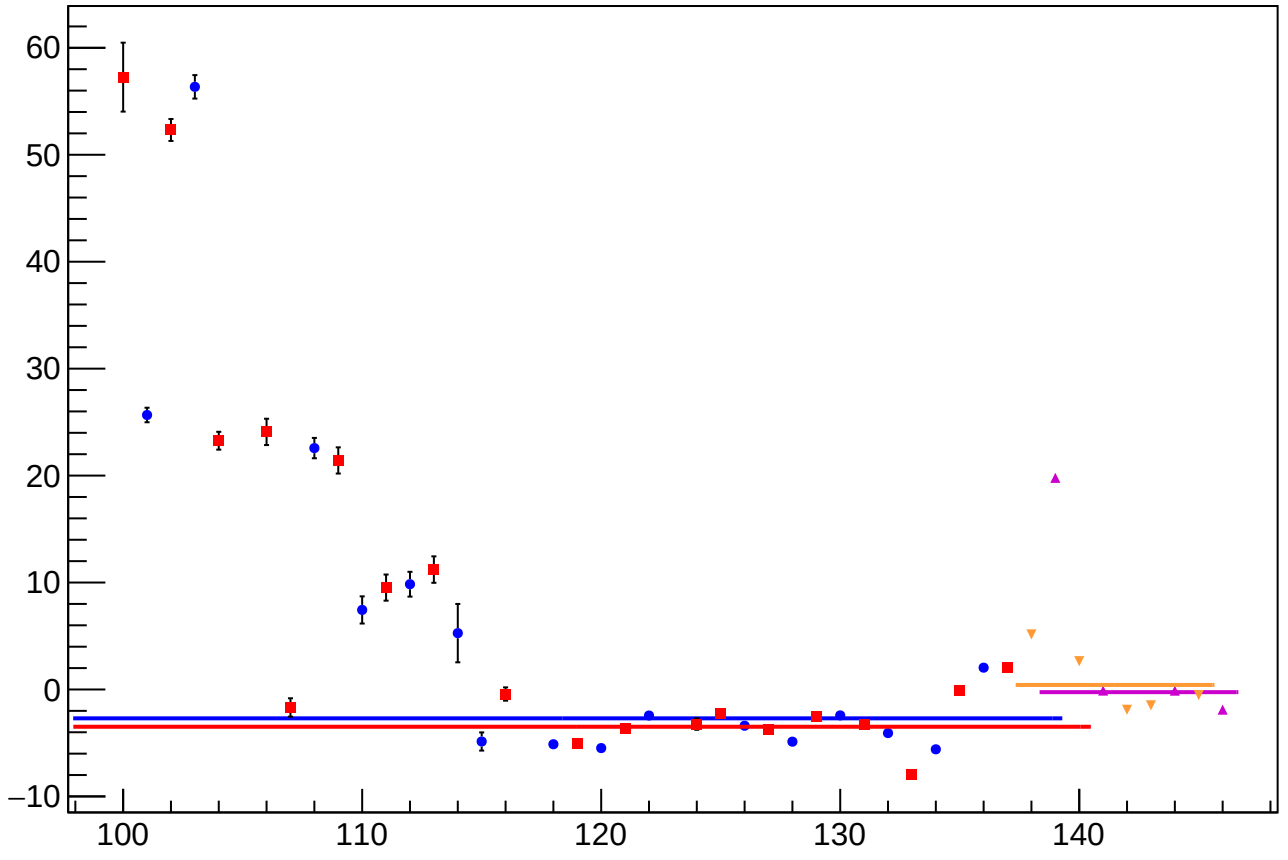
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.071+/-0.062 χ^2/NDF:521.0/3

+ sign -0.713+/-0.048 χ^2/NDF: 2125.8/20

All: -0.088+/-0.034 χ^2/NDF: 5658.2/43

- sign 0.548+/-0.049 χ^2/NDF: 3191.8/22



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: 0.423+/-0.050 χ^2/NDF:1856.3/4

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

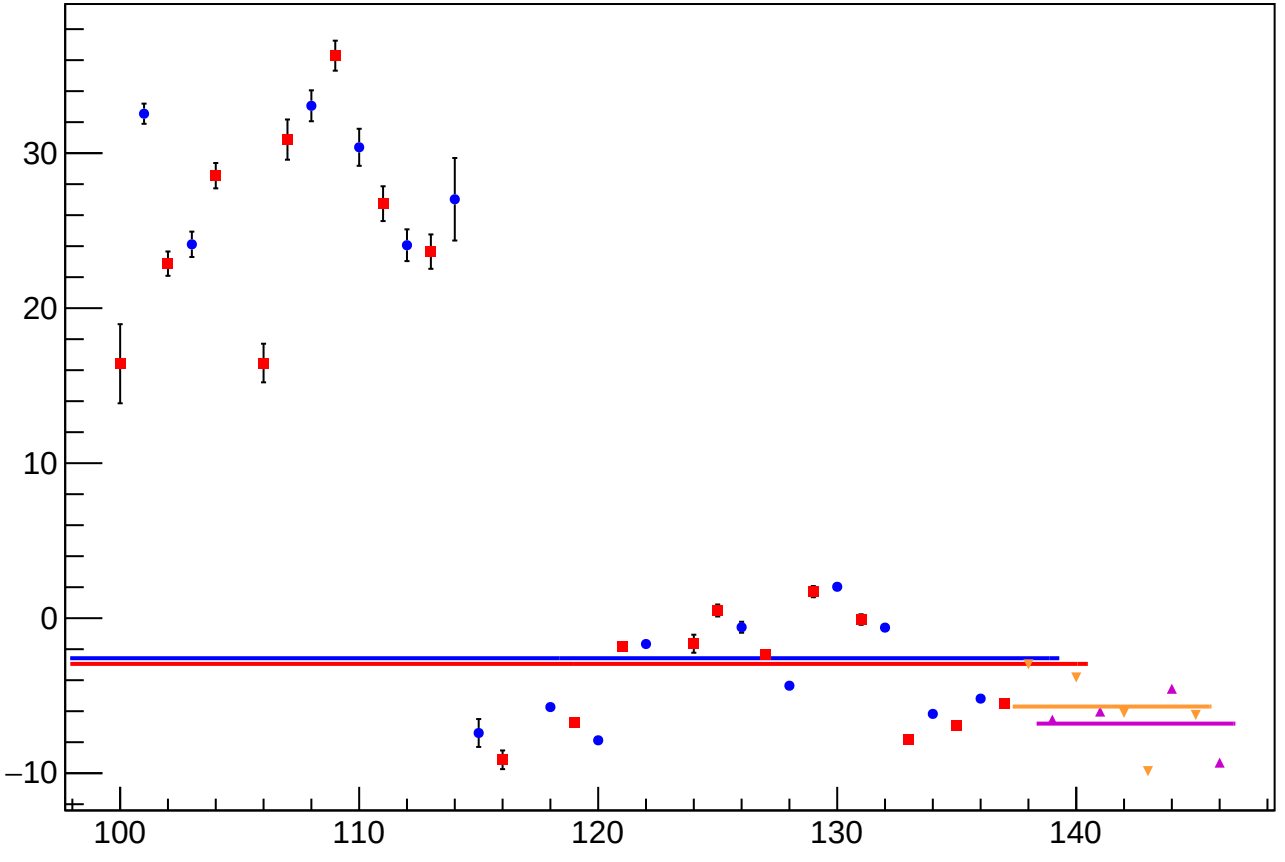
Left In: -0.250+/-0.047 χ^2/NDF:6775.0/3

+ sign -0.621+/-0.041 χ^2/NDF: 10257.0/20

All: -0.939+/-0.028 χ^2/NDF: 25762.4/43

- sign -1.228+/-0.039 χ^2/NDF: 15389.7/22

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: -5.700+/-0.064 χ^2/NDF:1092.5/4

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

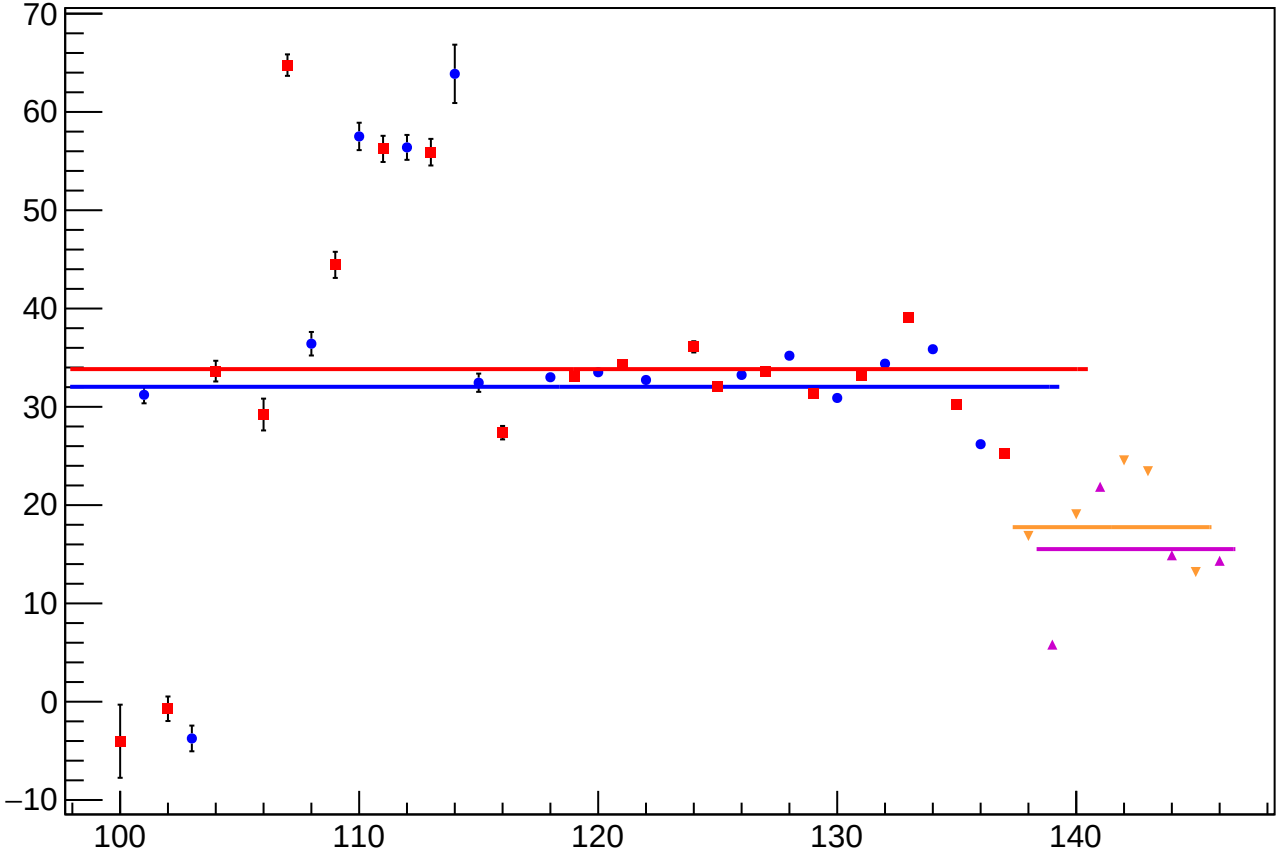
Left In: -6.801+/-0.063 χ^2/NDF:961.7/3

+ sign -4.550+/-0.050 χ^2/NDF: 10141.1/20

All: -4.999+/-0.036 χ^2/NDF: 20791.3/43

- sign -5.446+/-0.050 χ^2/NDF: 10492.1/22

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: 17.758+/-0.059 χ^2/NDF:5582.4/4

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

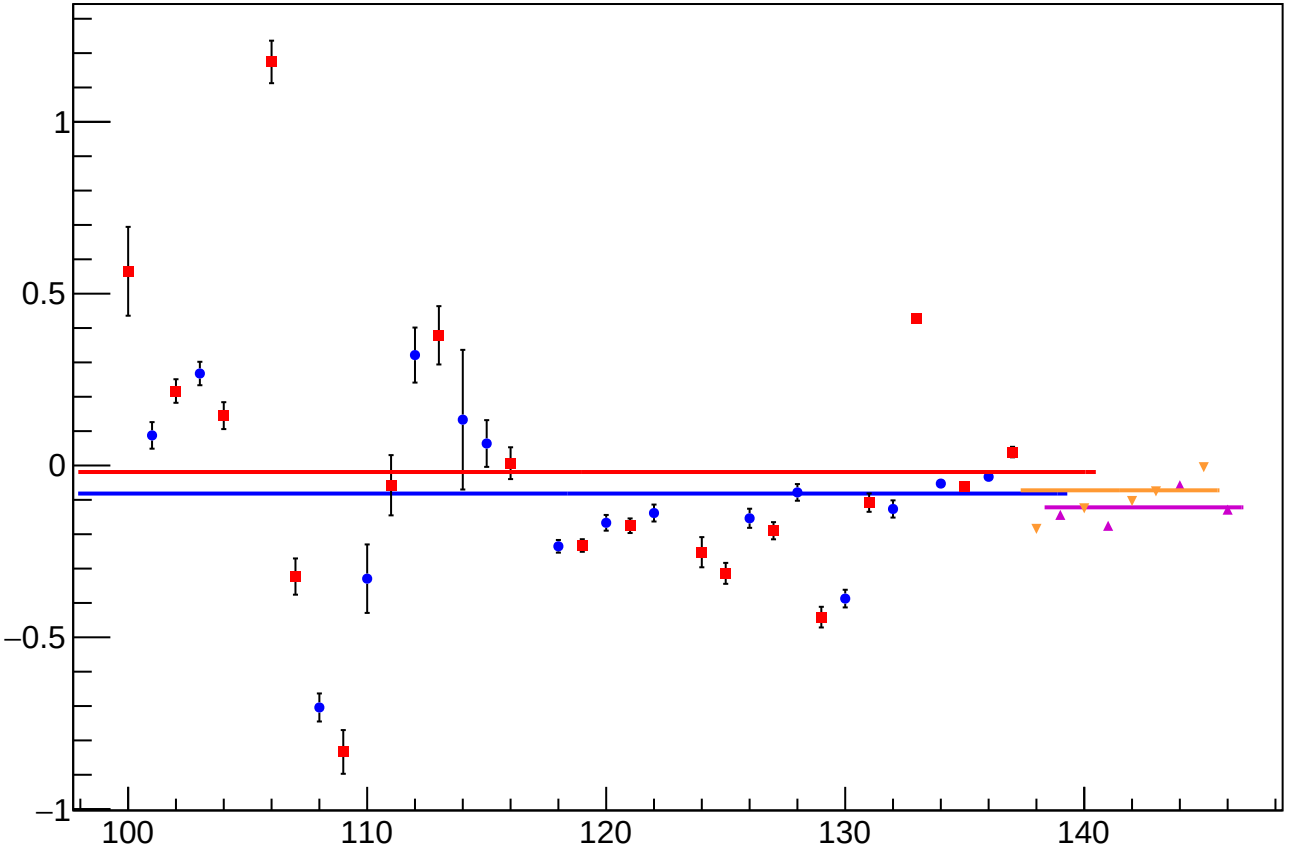
Left In: 15.525+/-0.056 χ^2/NDF:4313.4/3

+ sign 22.635+/-0.048 χ^2/NDF: 29159.5/20

All: 21.954+/-0.033 χ^2/NDF: 72520.7/43

- sign 21.318+/-0.046 χ^2/NDF: 42964.4/22

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: -0.072+/-0.003 χ^2/NDF:640.0/4

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

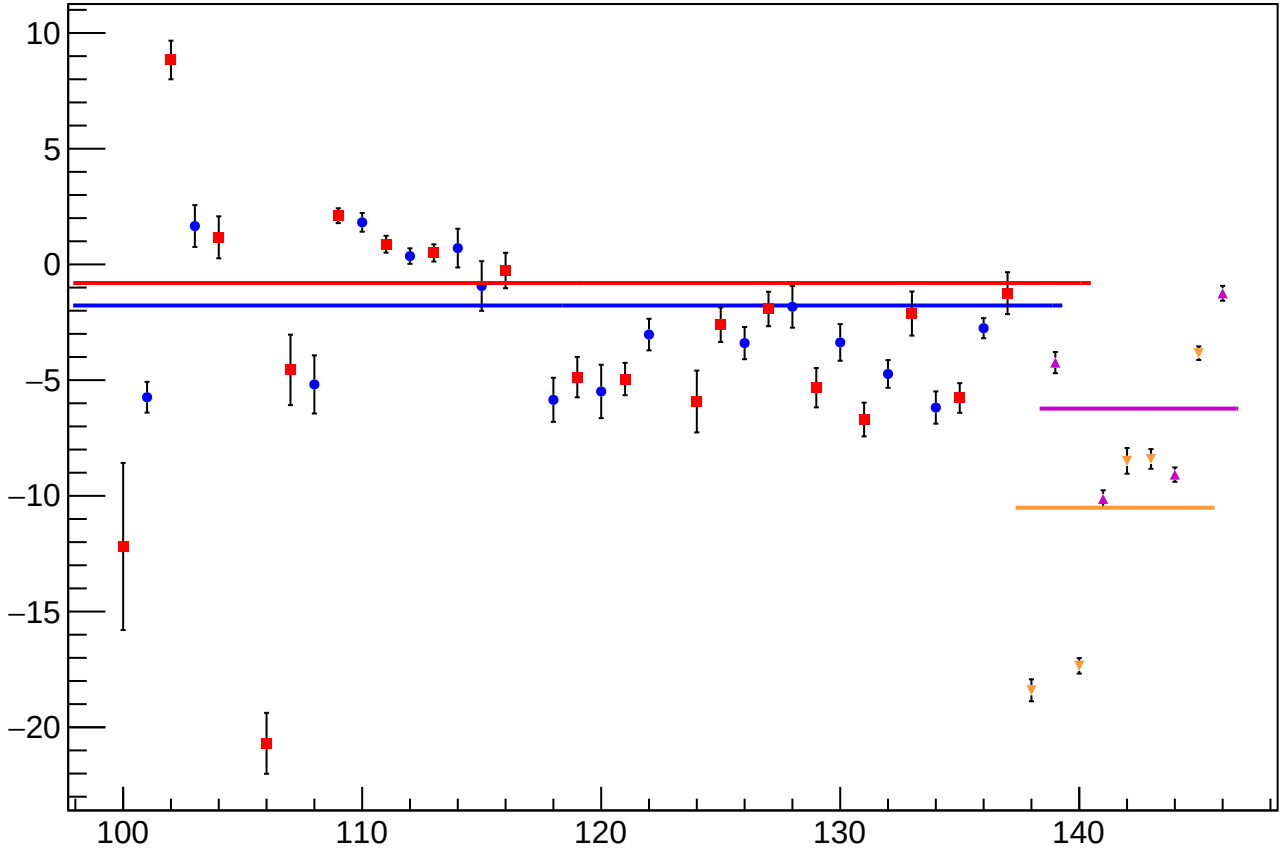
Left In: -0.122+/-0.003 χ^2/NDF:260.5/3

+ sign -0.074+/-0.002 χ^2/NDF: 1332.1/20

All: -0.088+/-0.002 χ^2/NDF: 4247.0/43

- sign -0.101+/-0.002 χ^2/NDF: 2847.1/22

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -10.512+/-0.172 χ^2/NDF:1247.1/4

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

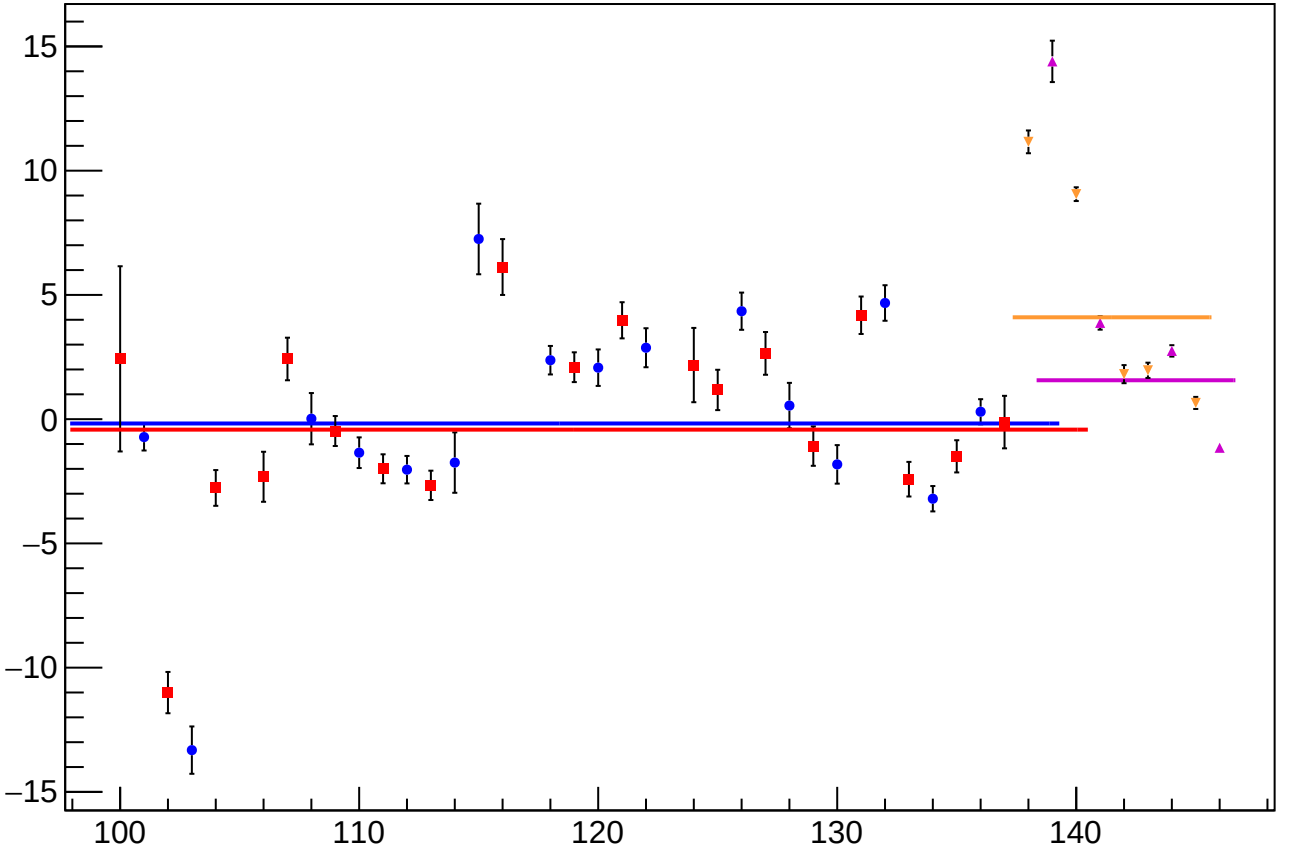
Left In: -6.230+/-0.177 χ^2/NDF:450.4/3

+ sign -5.743+/-0.116 χ^2/NDF: 2949.0/20

All: -4.364+/-0.081 χ^2/NDF: 4961.5/43

- sign -3.041+/-0.114 χ^2/NDF: 1736.2/22

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 4.099+/-0.138 χ^2/NDF:846.5/4

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

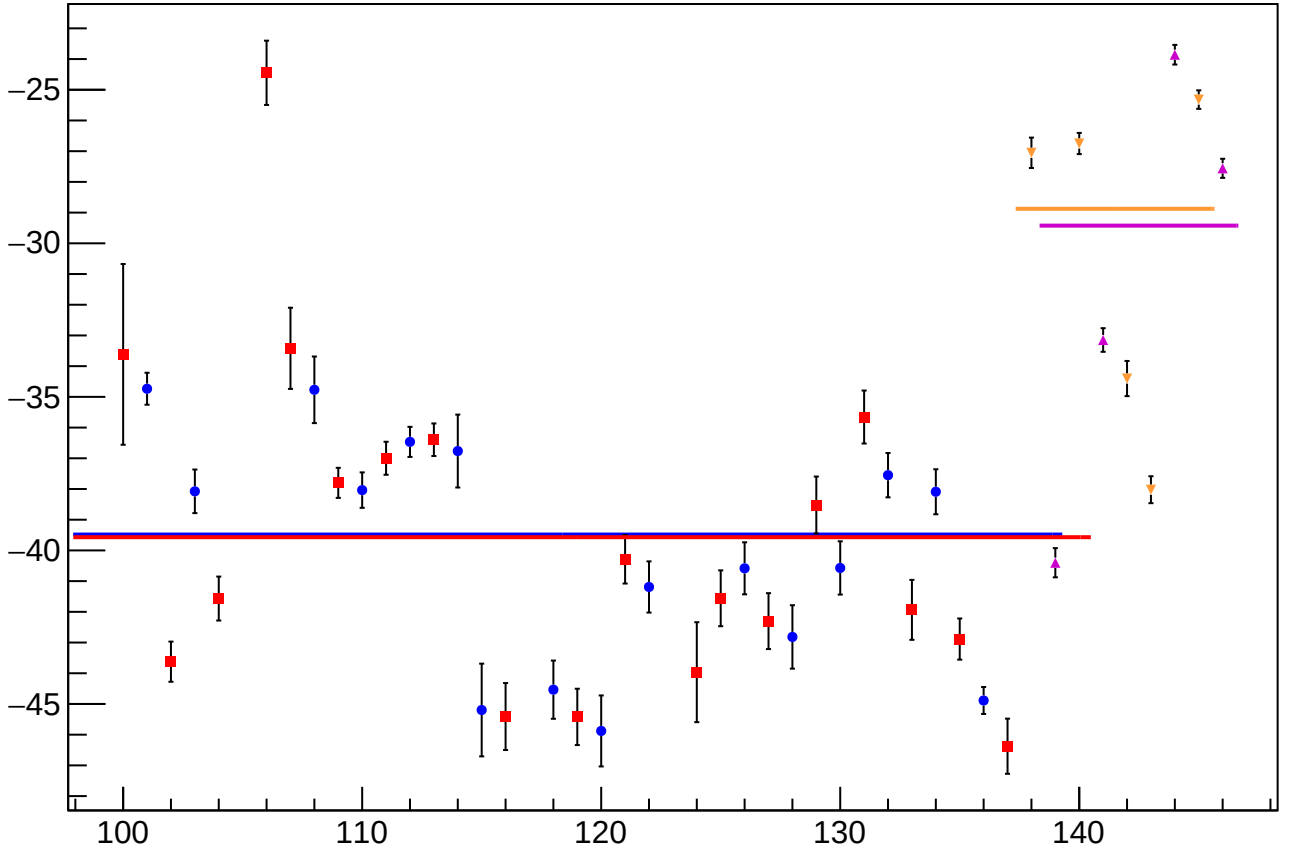
Left In: 1.566+/-0.129 χ^2/NDF:531.1/3

+ sign 2.445+/-0.108 χ^2/NDF: 1623.6/20

All: 1.636+/-0.075 χ^2/NDF: 2712.5/43

- sign 0.880+/-0.104 χ^2/NDF: 979.7/22

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -28.875+/-0.178 χ^2/NDF:718.9/4

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

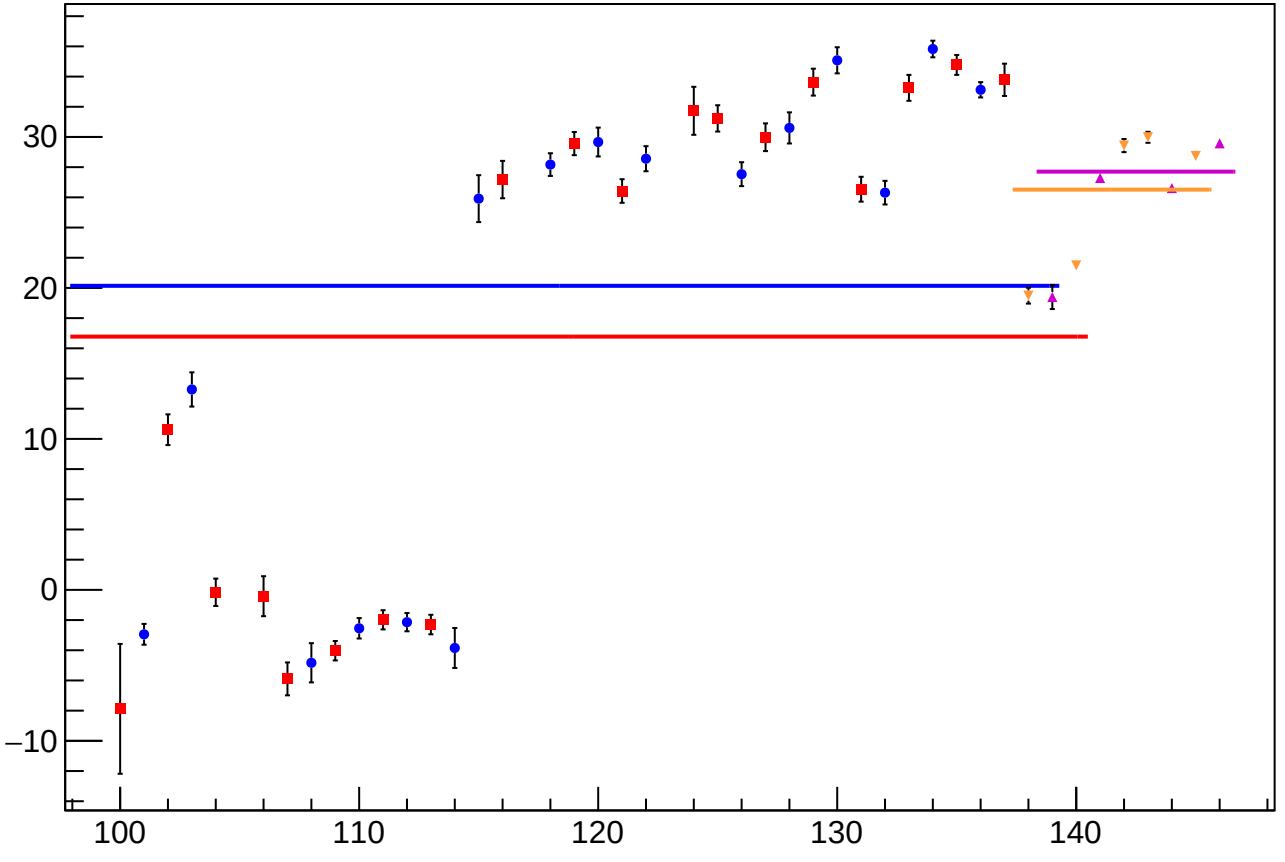
Left In: -29.424+/-0.179 χ^2/NDF:965.7/3

+ sign -34.099+/-0.126 χ^2/NDF: 2886.8/20

All: -34.265+/-0.090 χ^2/NDF: 6000.9/43

- sign -34.432+/-0.127 χ^2/NDF: 3110.6/22

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 26.512+/-0.161 χ^2/NDF:604.1/4

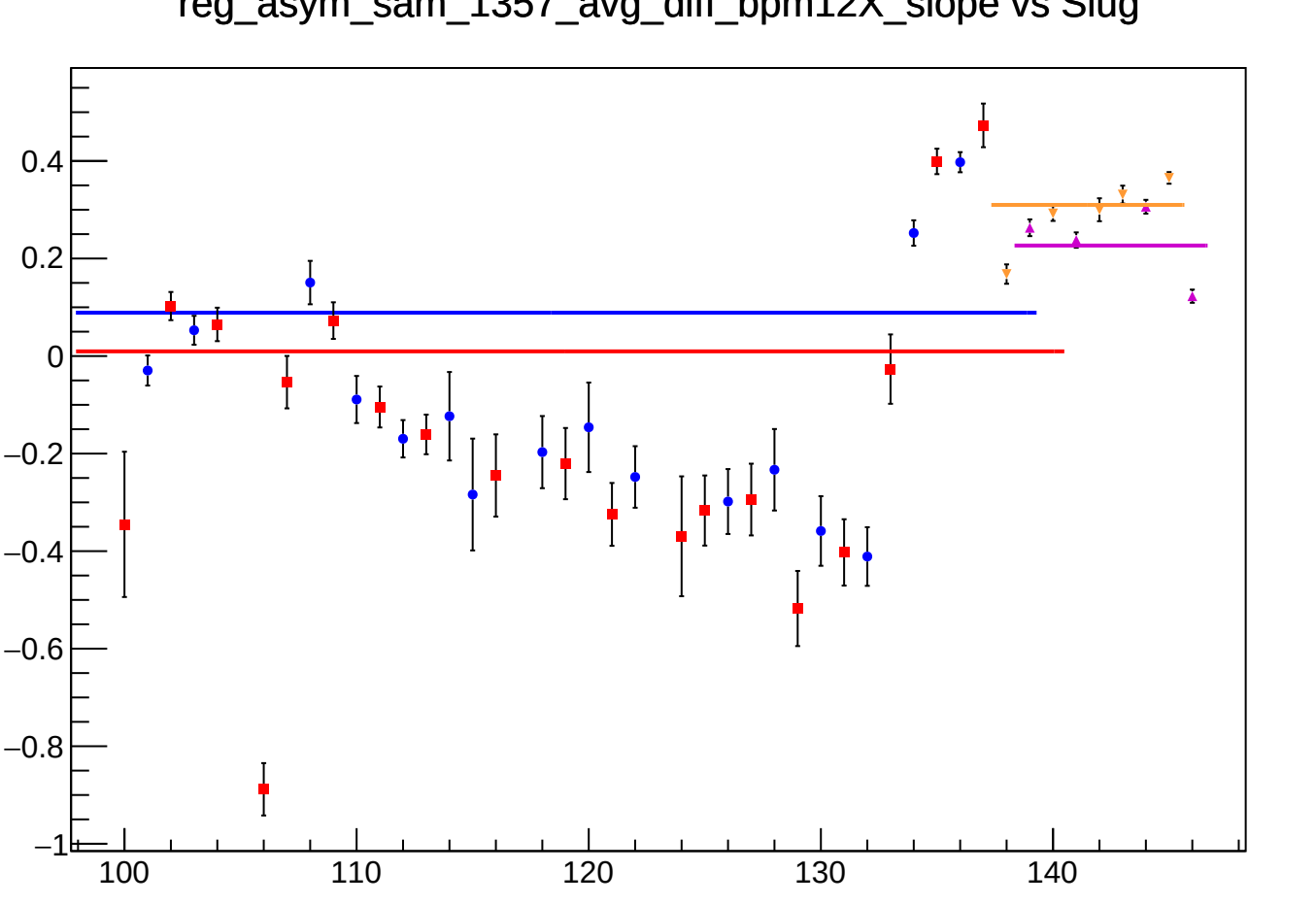
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.703+/-0.154 χ^2/NDF:185.9/3

+ sign 23.917+/-0.124 χ^2/NDF: 7923.5/20

All: 23.764+/-0.087 χ^2/NDF: 16726.1/43

- sign 23.617+/-0.122 χ^2/NDF: 8799.7/22



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.310+/-0.007 χ^2/NDF:75.3/4

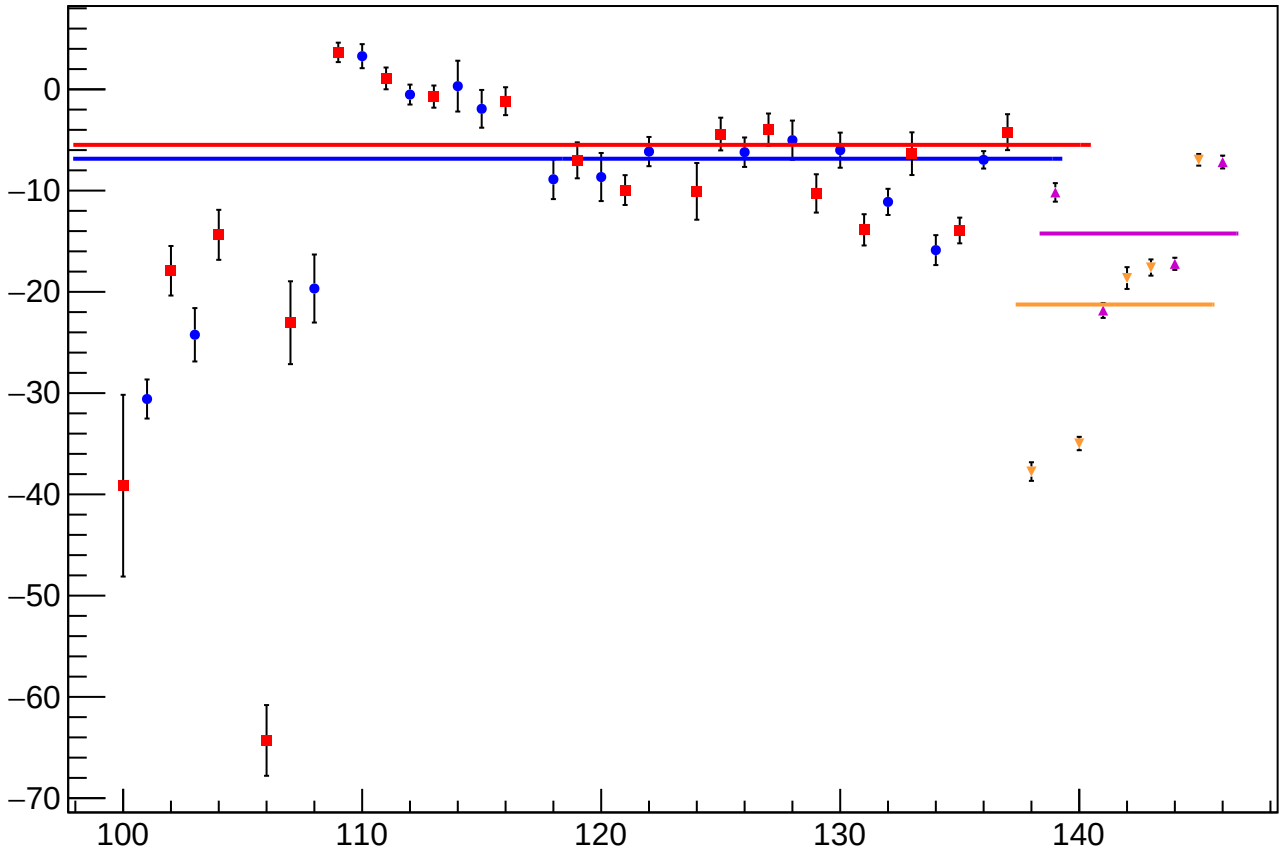
Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.227+/-0.007 χ^2/NDF:95.7/3

+ sign 0.237+/-0.006 χ^2/NDF: 940.4/20

All: 0.199+/-0.004 χ^2/NDF: 2219.6/43

- sign 0.158+/-0.006 χ^2/NDF: 1196.2/22



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -21.251+/-0.335 χ^2/NDF:1395.6/4

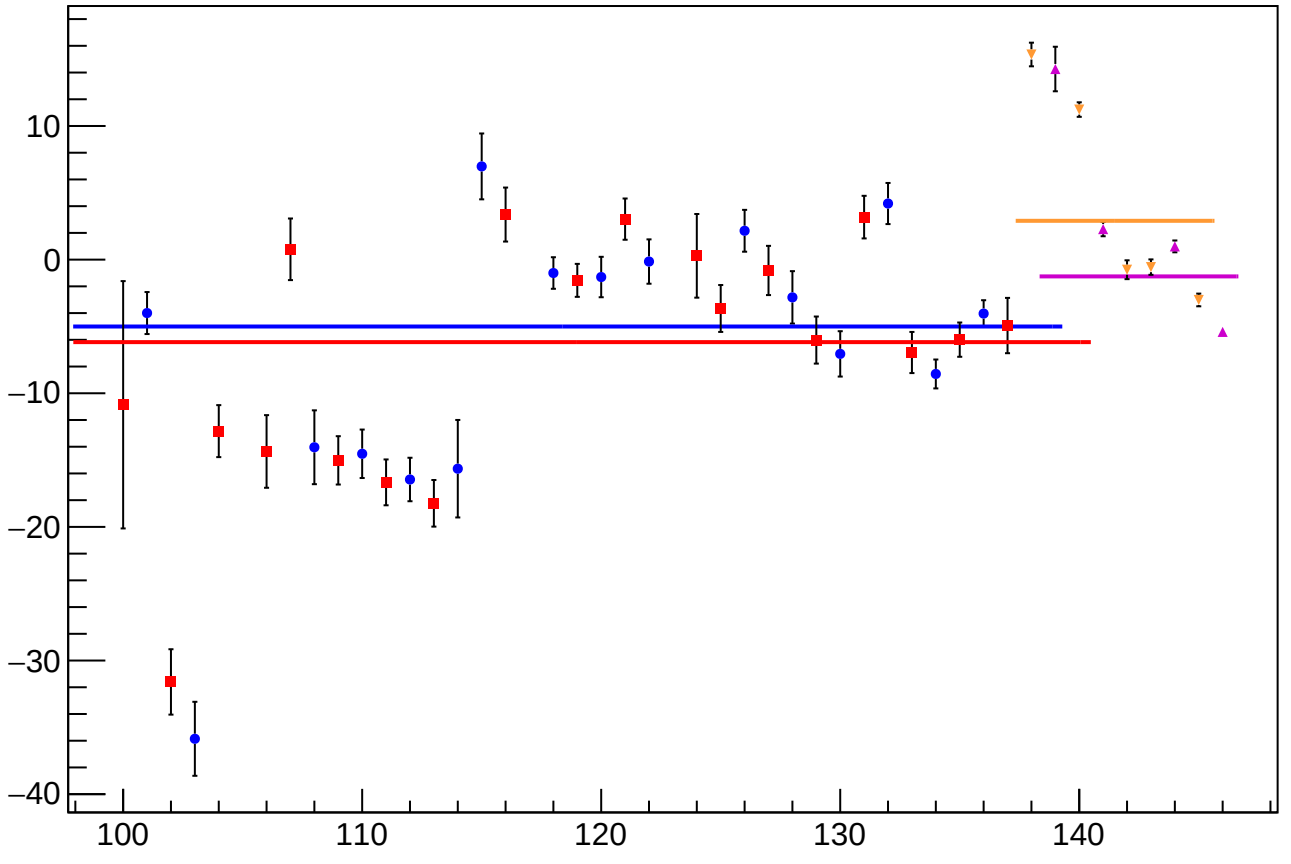
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.239+/-0.347 χ^2/NDF:275.2/3

+ sign -14.870+/-0.250 χ^2/NDF: 2603.9/20

All: -12.525+/-0.178 χ^2/NDF: 3962.3/43

- sign -10.128+/-0.253 χ^2/NDF: 1180.5/22



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 2.905+/-0.266 χ^2/NDF:650.0/4

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

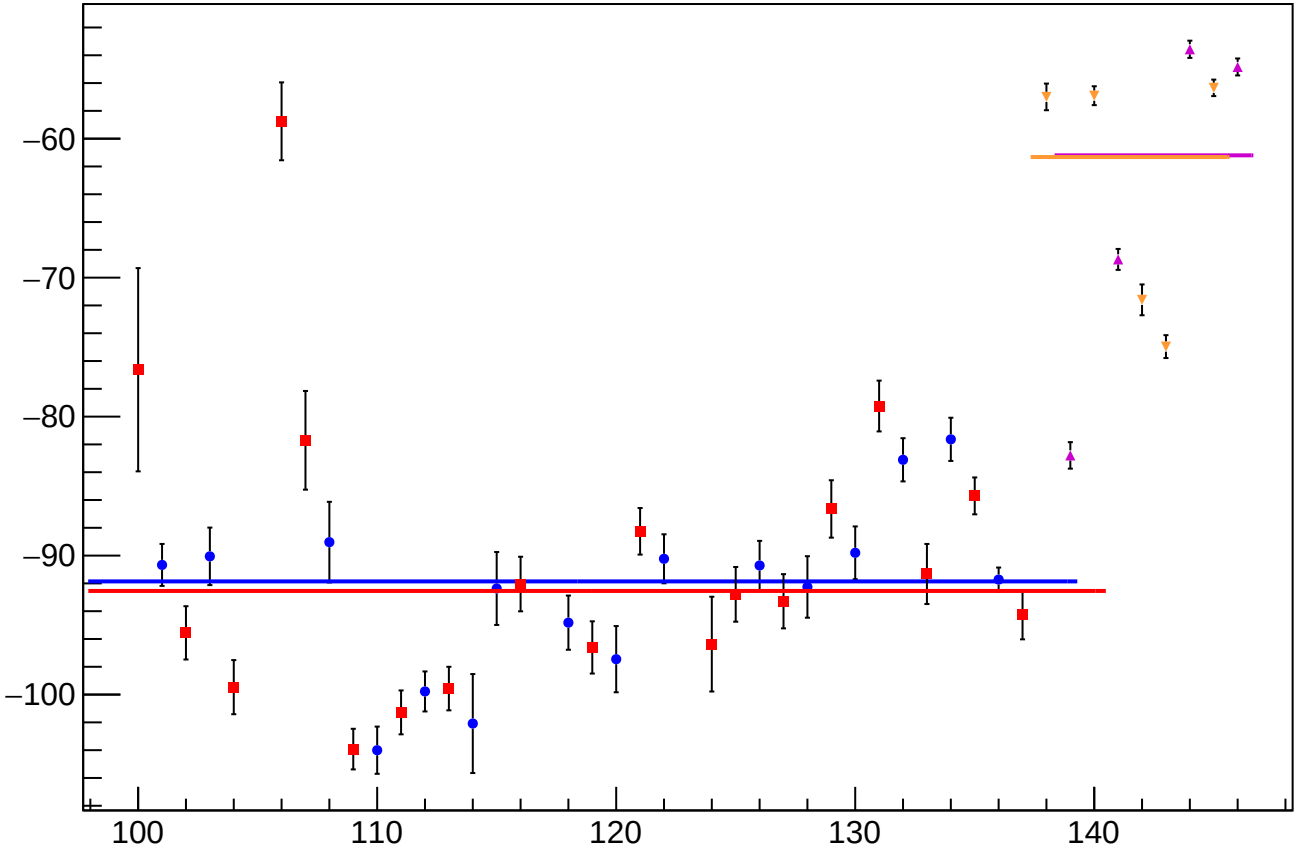
Left In: -1.255+/-0.250 χ^2/NDF:278.6/3

+ sign 0.435+/-0.221 χ^2/NDF: 1267.1/20

All: -1.106+/-0.154 χ^2/NDF: 2111.8/43

- sign -2.554+/-0.214 χ^2/NDF: 750.3/22

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -61.322+/-0.345 χ^2/NDF:492.9/4

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

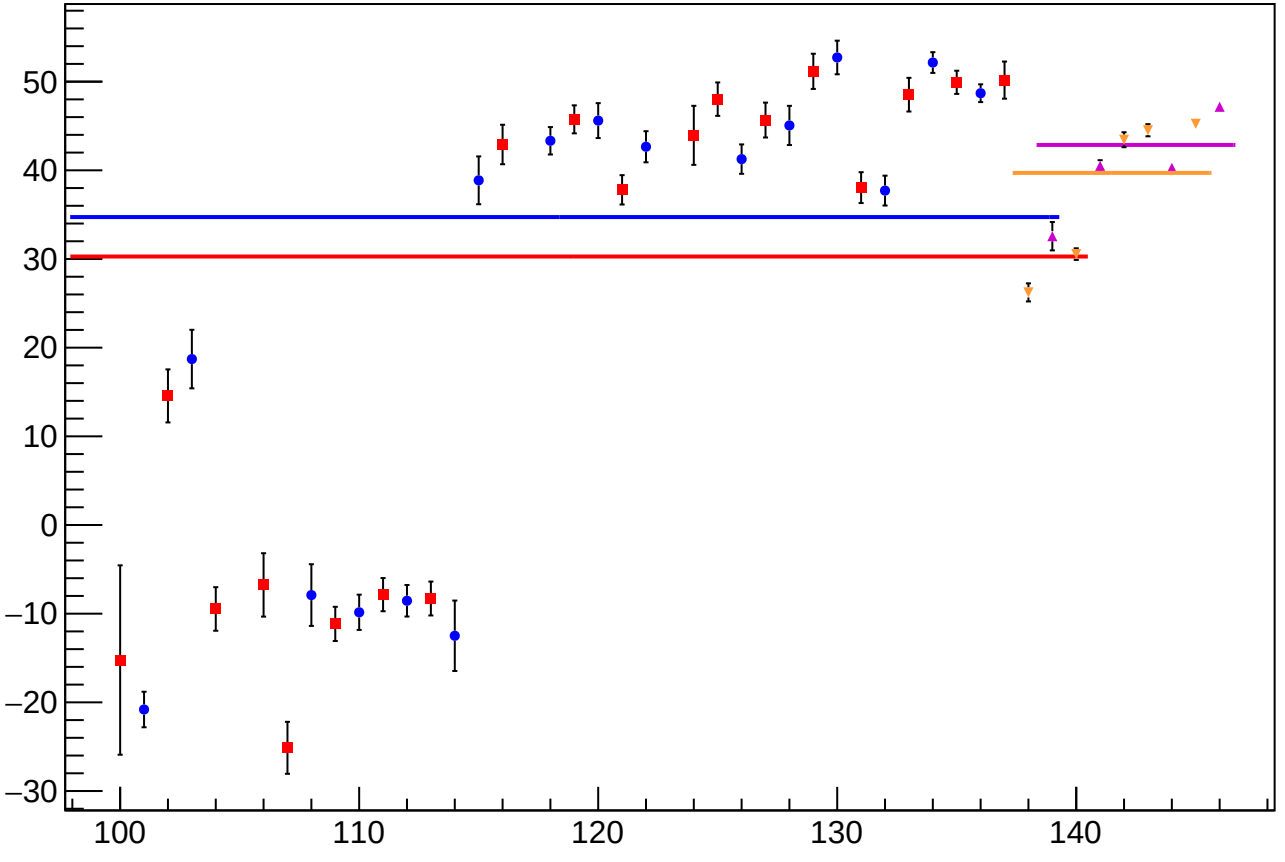
Left In: -61.200+/-0.350 χ^2/NDF:872.1/3

+ sign -73.498+/-0.268 χ^2/NDF: 3787.5/20

All: -73.443+/-0.191 χ^2/NDF: 8159.8/43

- sign -73.386+/-0.274 χ^2/NDF: 4372.3/22

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 39.708+/-0.313 χ^2/NDF:543.1/4

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

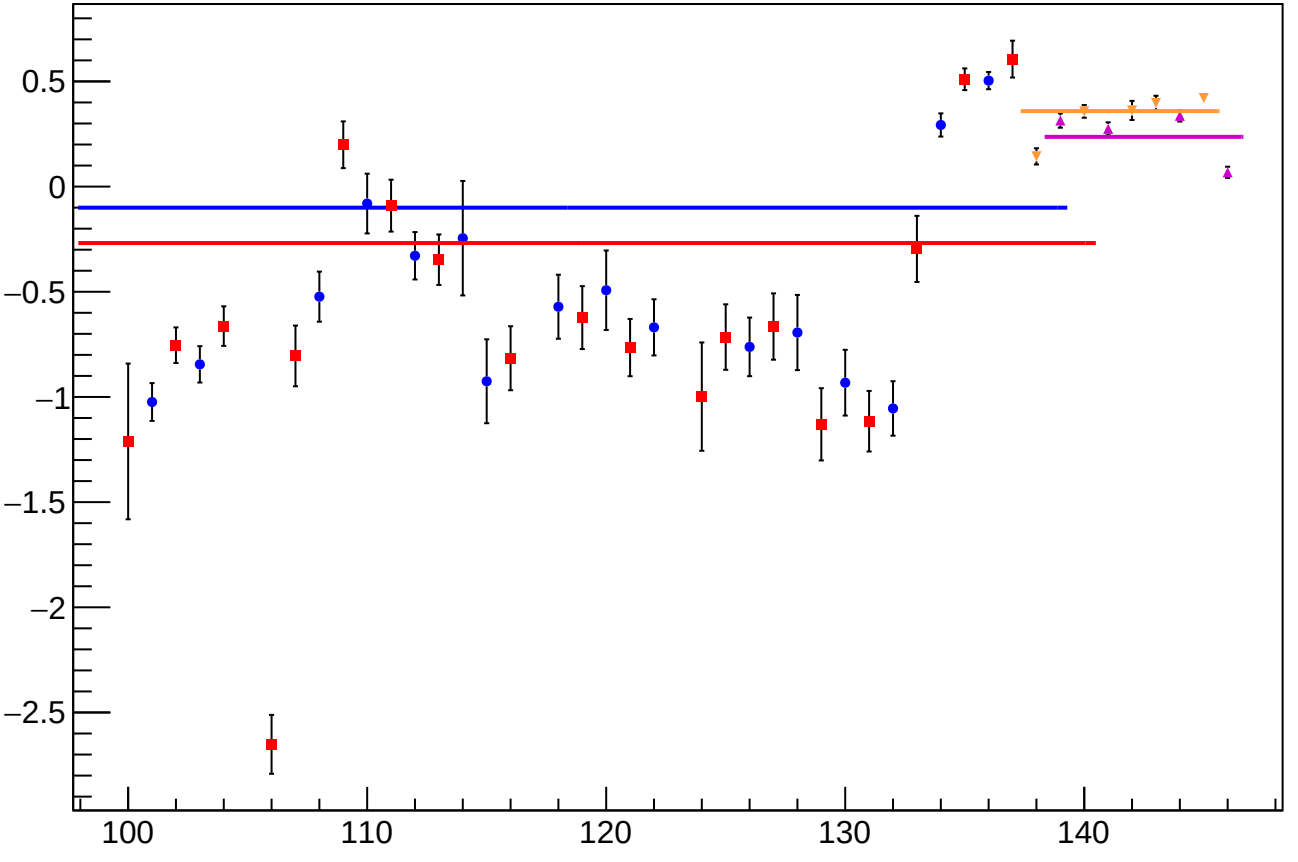
Left In: 42.861+/-0.301 χ^2/NDF:163.3/3

+ sign 38.046+/-0.255 χ^2/NDF: 3436.8/20

All: 38.617+/-0.180 χ^2/NDF: 7034.3/43

- sign 39.177+/-0.253 χ^2/NDF: 3587.6/22

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.359+/-0.014 χ^2/NDF:39.4/4

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

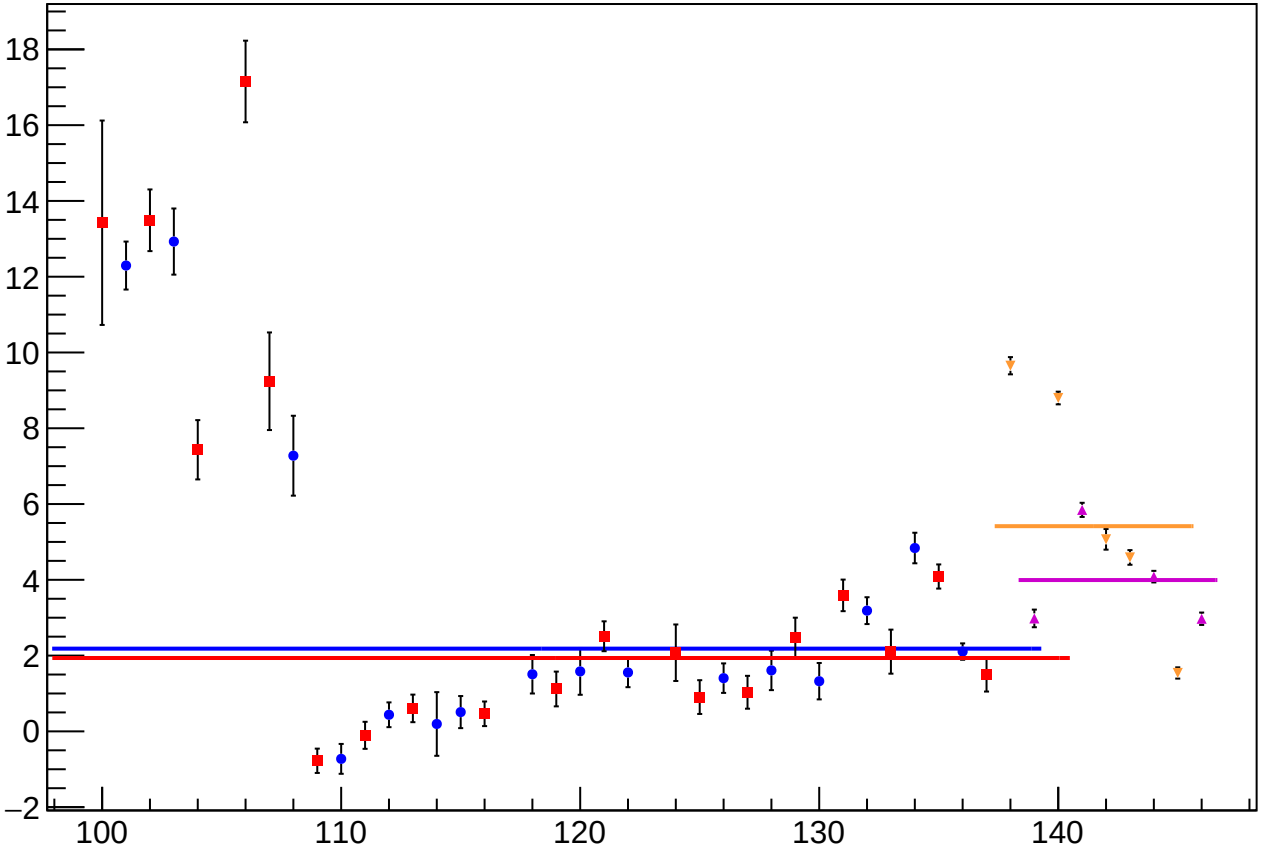
Left In: 0.237+/-0.015 χ^2/NDF:60.4/3

+ sign 0.239+/-0.012 χ^2/NDF: 940.9/20

All: 0.181+/-0.009 χ^2/NDF: 2151.5/43

- sign 0.117+/-0.013 χ^2/NDF: 1163.2/22

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.416+/-0.084 χ^2/NDF:1452.2/4

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

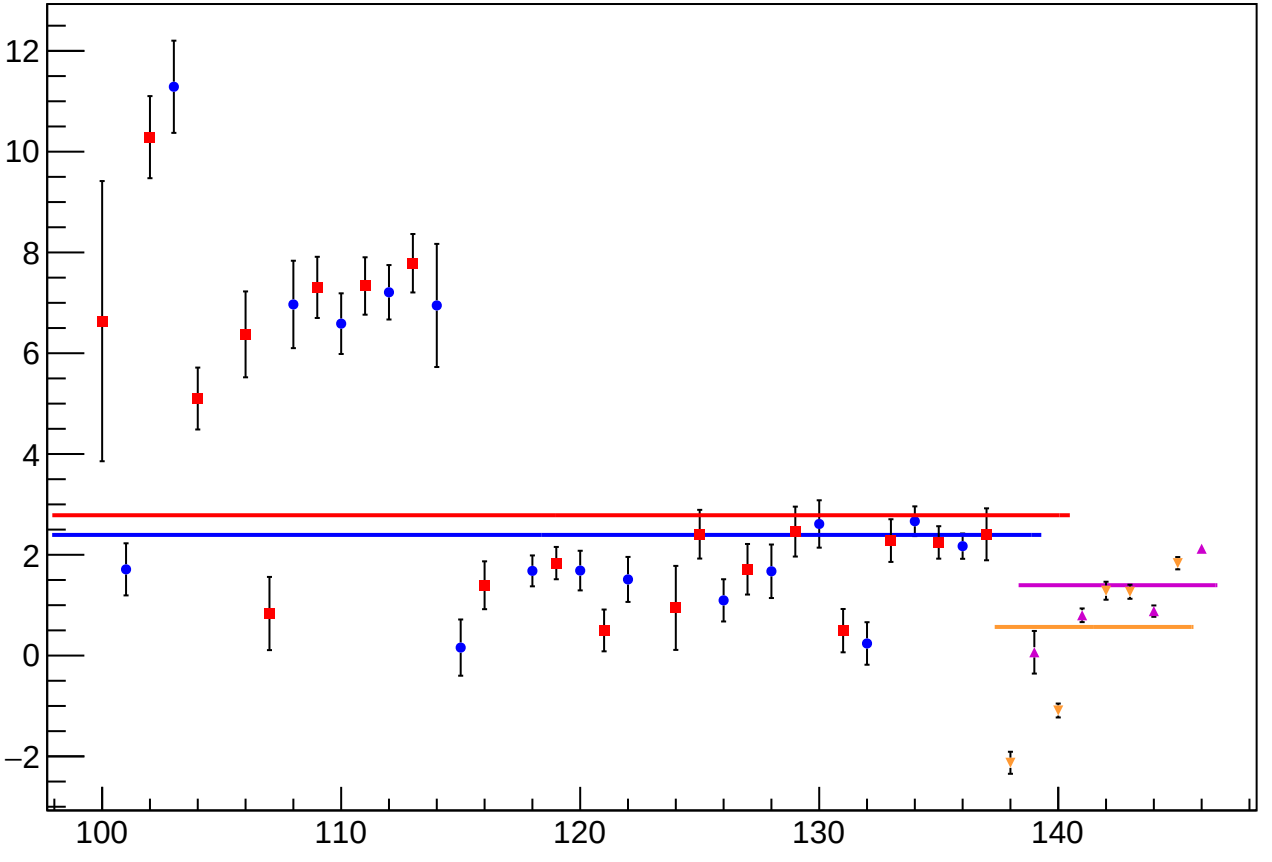
Left In: 3.994+/-0.089 χ^2/NDF:156.8/3

+ sign 4.146+/-0.066 χ^2/NDF: 2627.0/20

All: 3.660+/-0.047 χ^2/NDF: 3836.7/43

- sign 3.143+/-0.068 χ^2/NDF: 1097.1/22

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: 0.568+/-0.067 χ^2/NDF:444.3/4

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

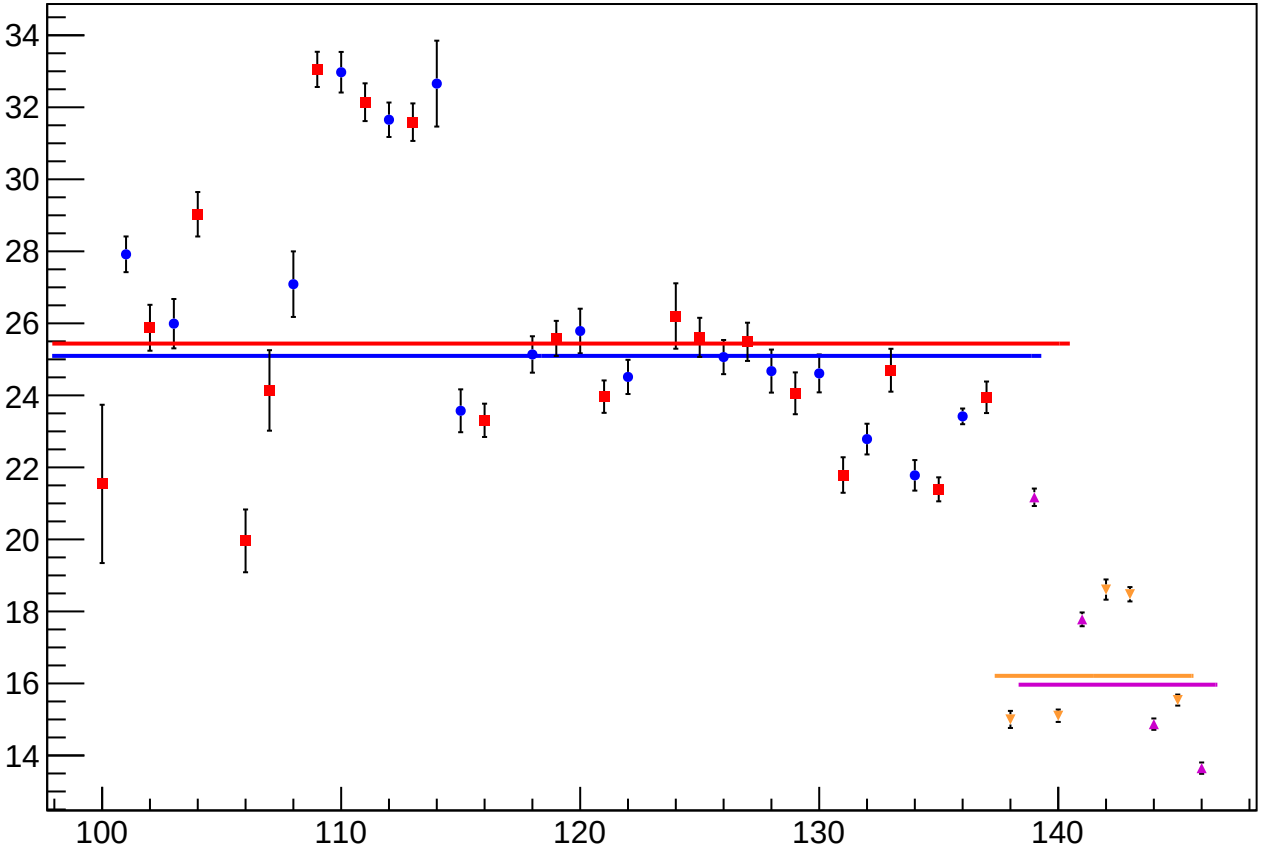
Left In: 1.396+/-0.063 χ^2/NDF:108.3/3

+ sign 1.073+/-0.057 χ^2/NDF: 983.9/20

All: 1.402+/-0.040 χ^2/NDF: 1678.9/43

- sign 1.715+/-0.056 χ^2/NDF: 629.9/22

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: 16.211+/-0.087 χ^2/NDF:288.8/4

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

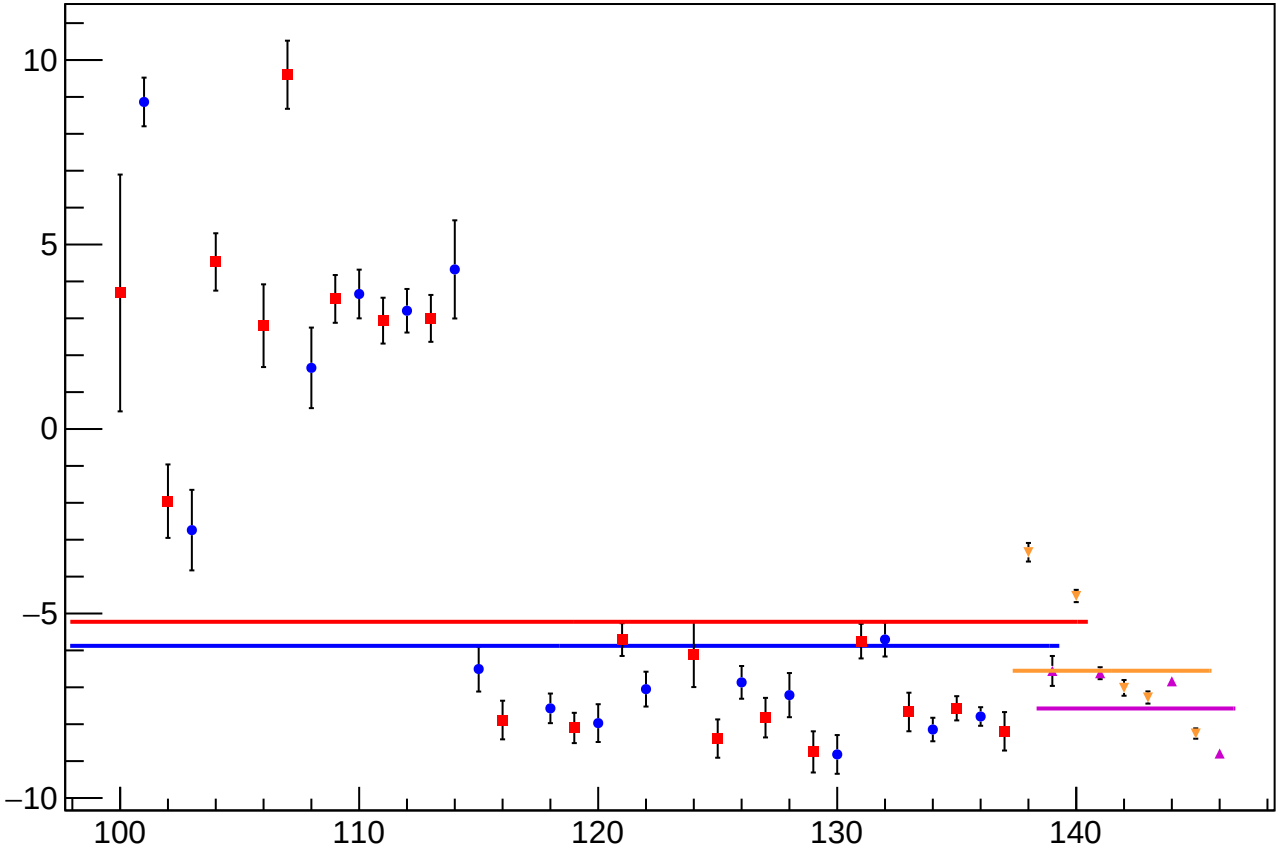
Left In: 15.965+/-0.089 χ^2/NDF:816.9/3

\+ sign 19.359+/-0.070 χ^2/NDF: 4601.9/20

All: 19.284+/-0.050 χ^2/NDF: 10137.5/43

\- sign 19.205+/-0.073 χ^2/NDF: 5533.3/22

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.551+/-0.079 χ^2/NDF:482.6/4

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

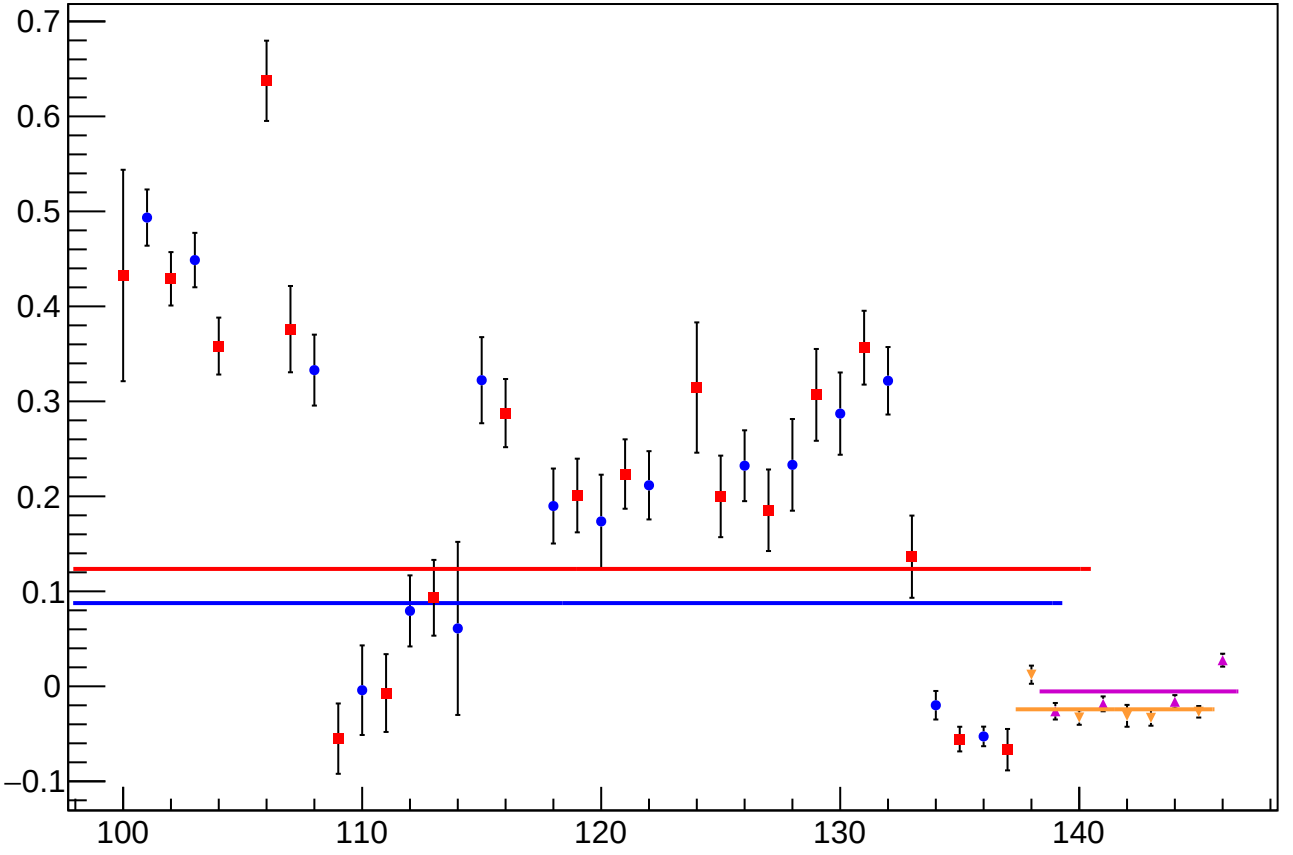
Left In: -7.574+/-0.076 χ^2/NDF:175.9/3

+ sign -6.350+/-0.066 χ^2/NDF: 1755.9/20

All: -6.659+/-0.047 χ^2/NDF: 3511.9/43

- sign -6.967+/-0.066 χ^2/NDF: 1712.1/22

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: -0.024+/-0.004 χ^2/NDF:17.5/4

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

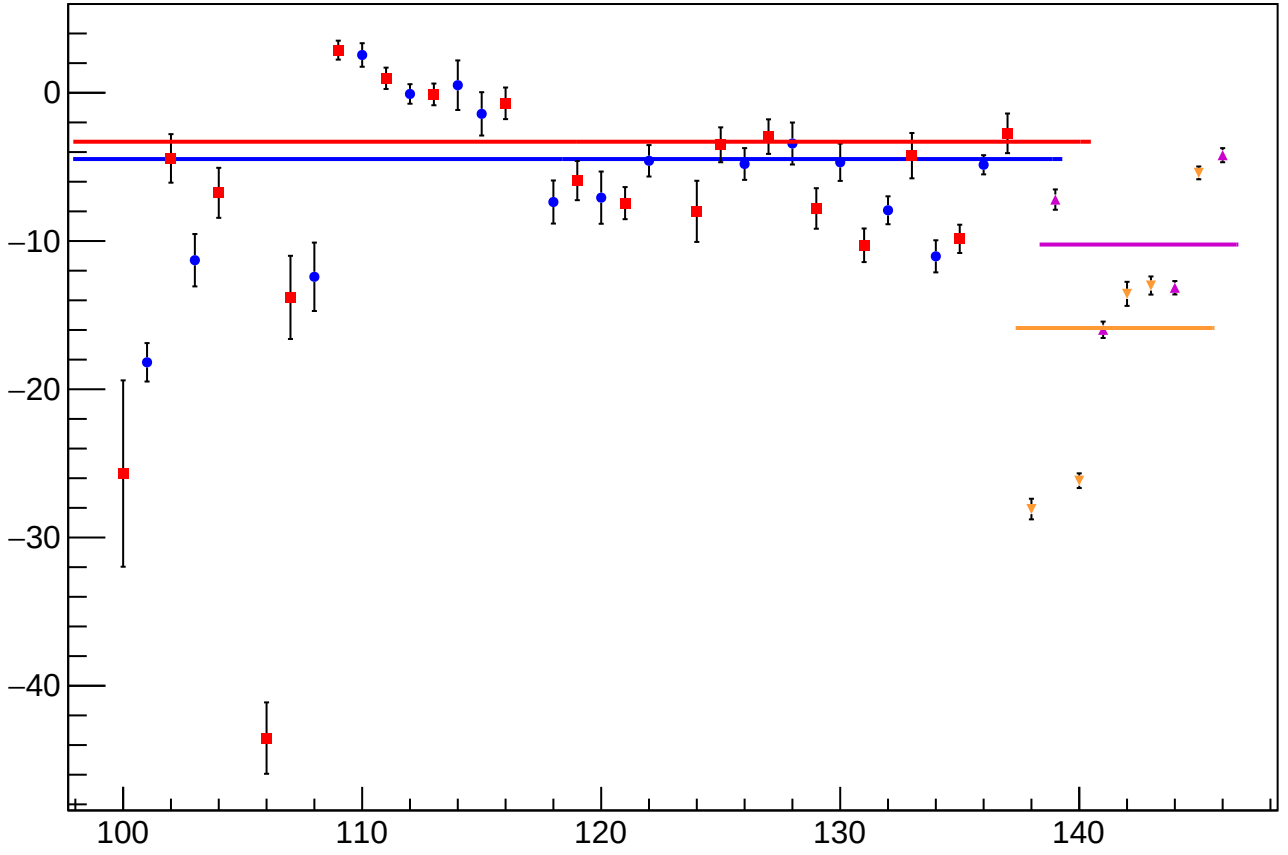
Left In: -0.005+/-0.004 χ^2/NDF:34.3/3

+ sign 0.001+/-0.003 χ^2/NDF: 1007.1/20

All: 0.011+/-0.002 χ^2/NDF: 2067.9/43

- sign 0.021+/-0.003 χ^2/NDF: 1042.3/22

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.866+/-0.253 χ^2/NDF:1354.7/4

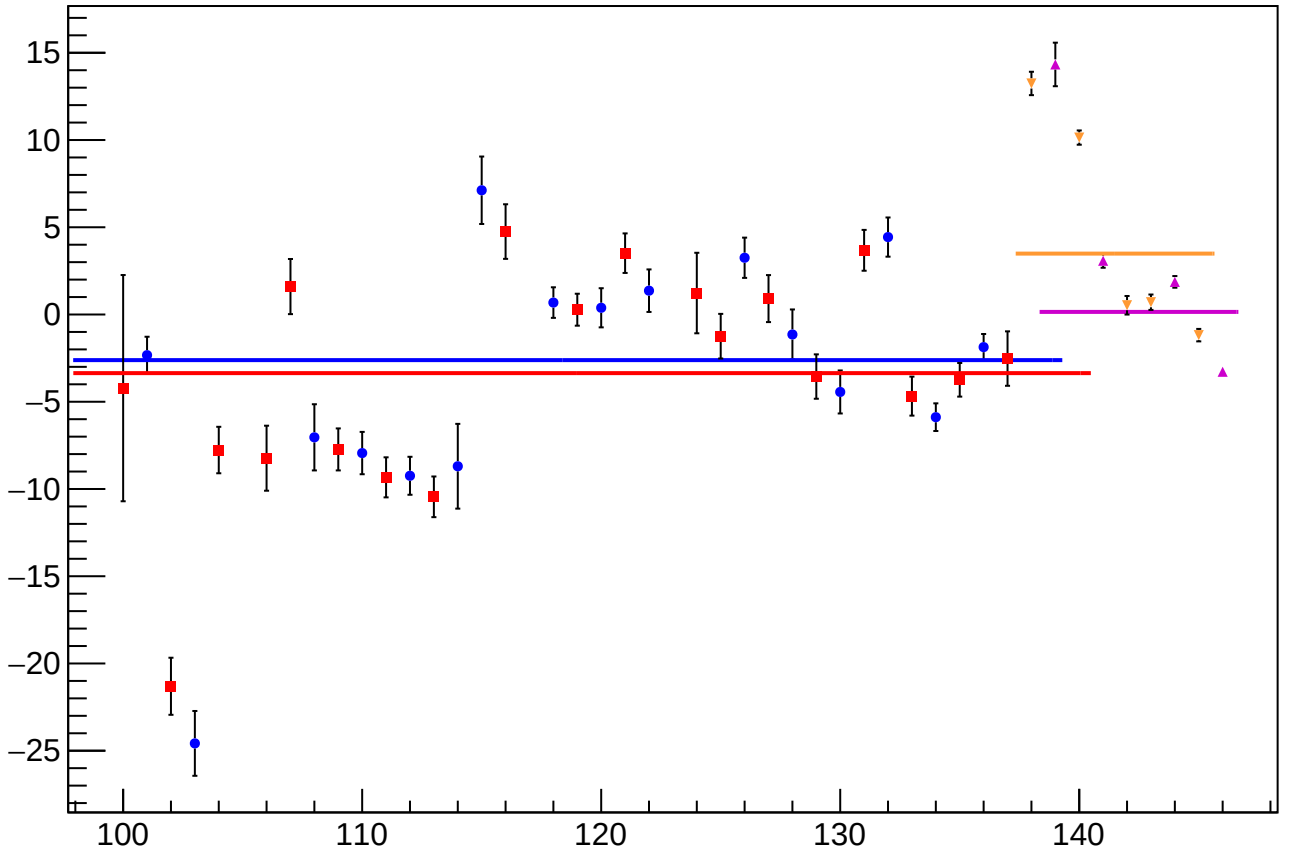
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.237+/-0.261 χ^2/NDF:329.5/3

+ sign -10.513+/-0.184 χ^2/NDF: 2642.0/20

All: -8.645+/-0.130 χ^2/NDF: 4116.0/43

- sign -6.768+/-0.184 χ^2/NDF: 1267.4/22



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 3.490+/-0.201 χ^2/NDF:718.3/4

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

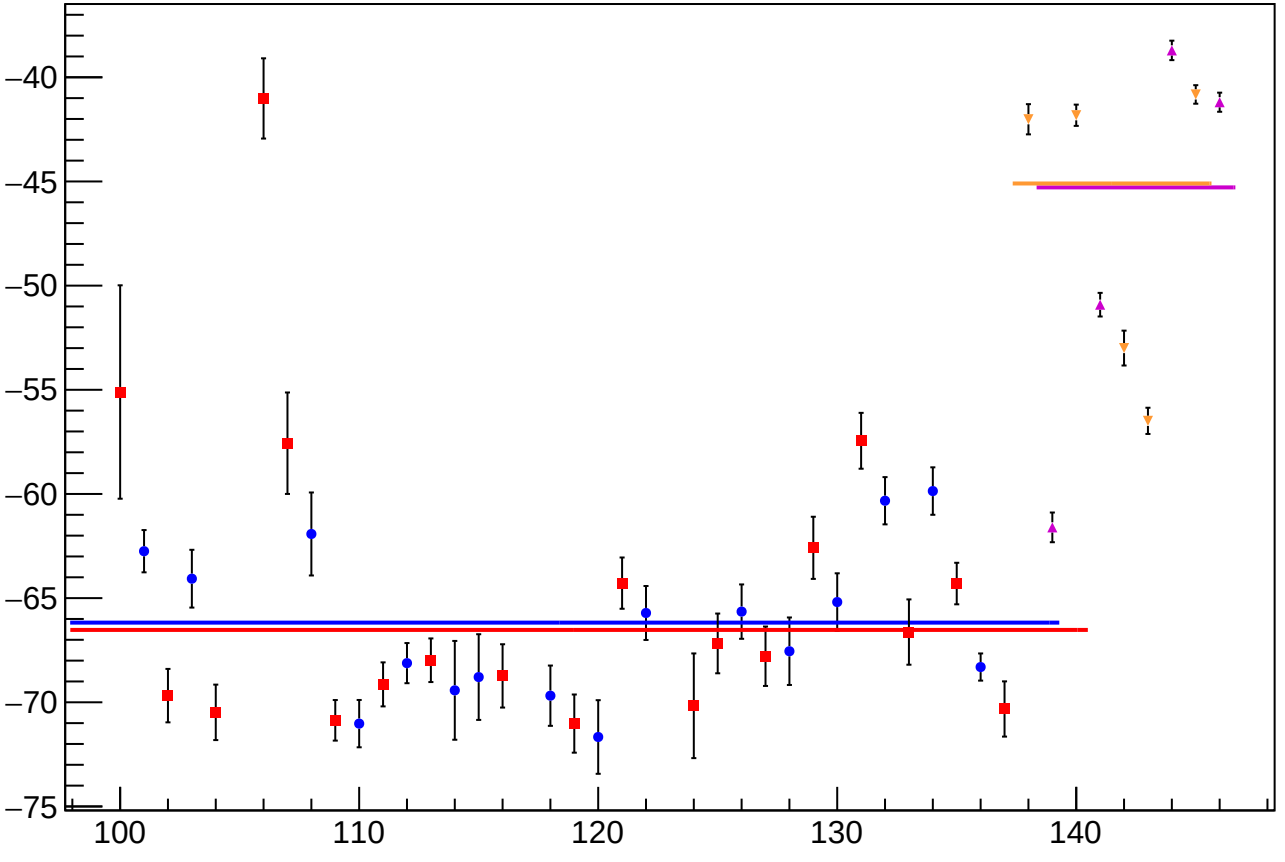
Left In: 0.149+/-0.188 χ^2/NDF:355.3/3

+ sign 1.468+/-0.164 χ^2/NDF: 1375.6/20

All: 0.273+/-0.114 χ^2/NDF: 2291.5/43

- sign -0.848+/-0.159 χ^2/NDF: 813.7/22

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -45.097+/-0.260 χ^2/NDF:568.5/4

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

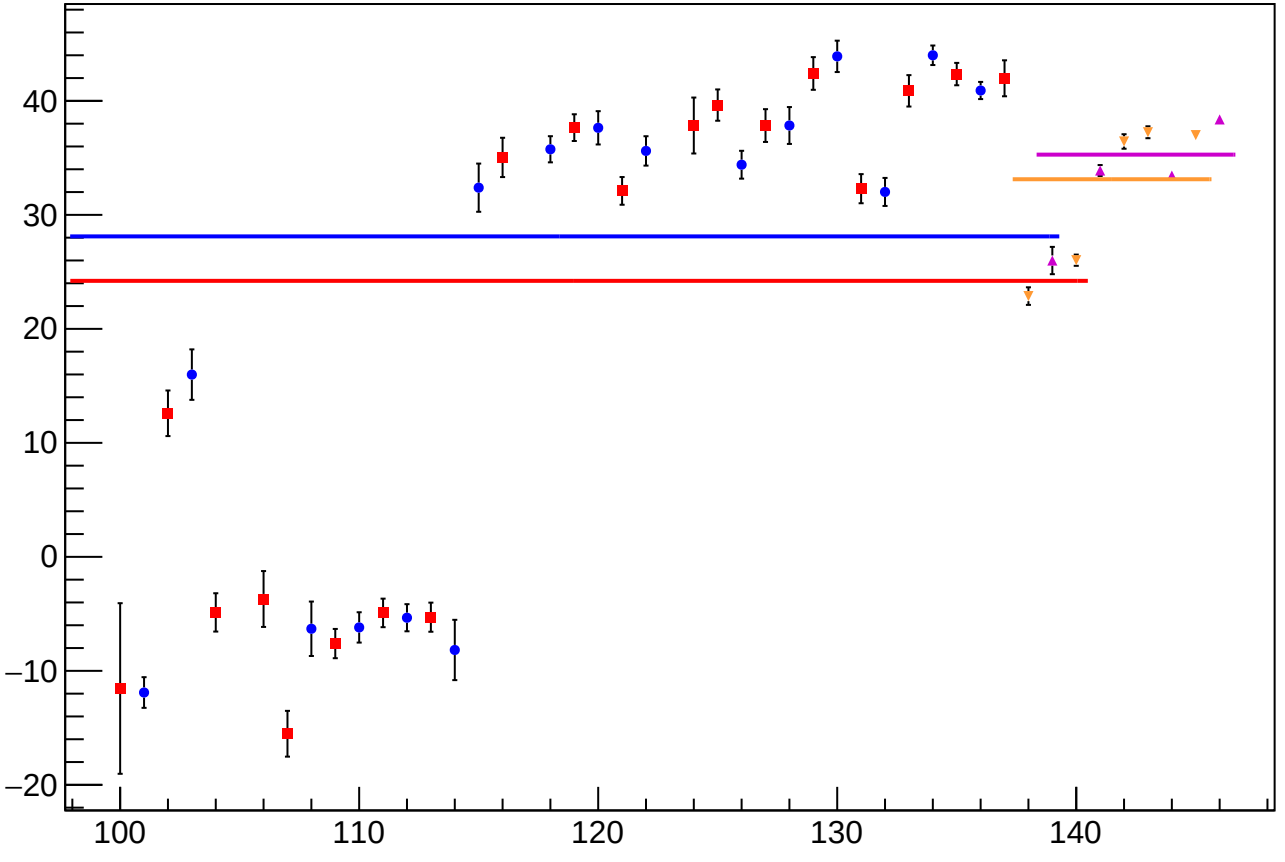
Left In: -45.285+/-0.263 χ^2/NDF:900.2/3

+ sign -54.006+/-0.198 χ^2/NDF: 3467.5/20

All: -54.055+/-0.141 χ^2/NDF: 7391.5/43

- sign -54.106+/-0.201 χ^2/NDF: 3923.9/22

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.125+/-0.236 χ^2/NDF:563.6/4

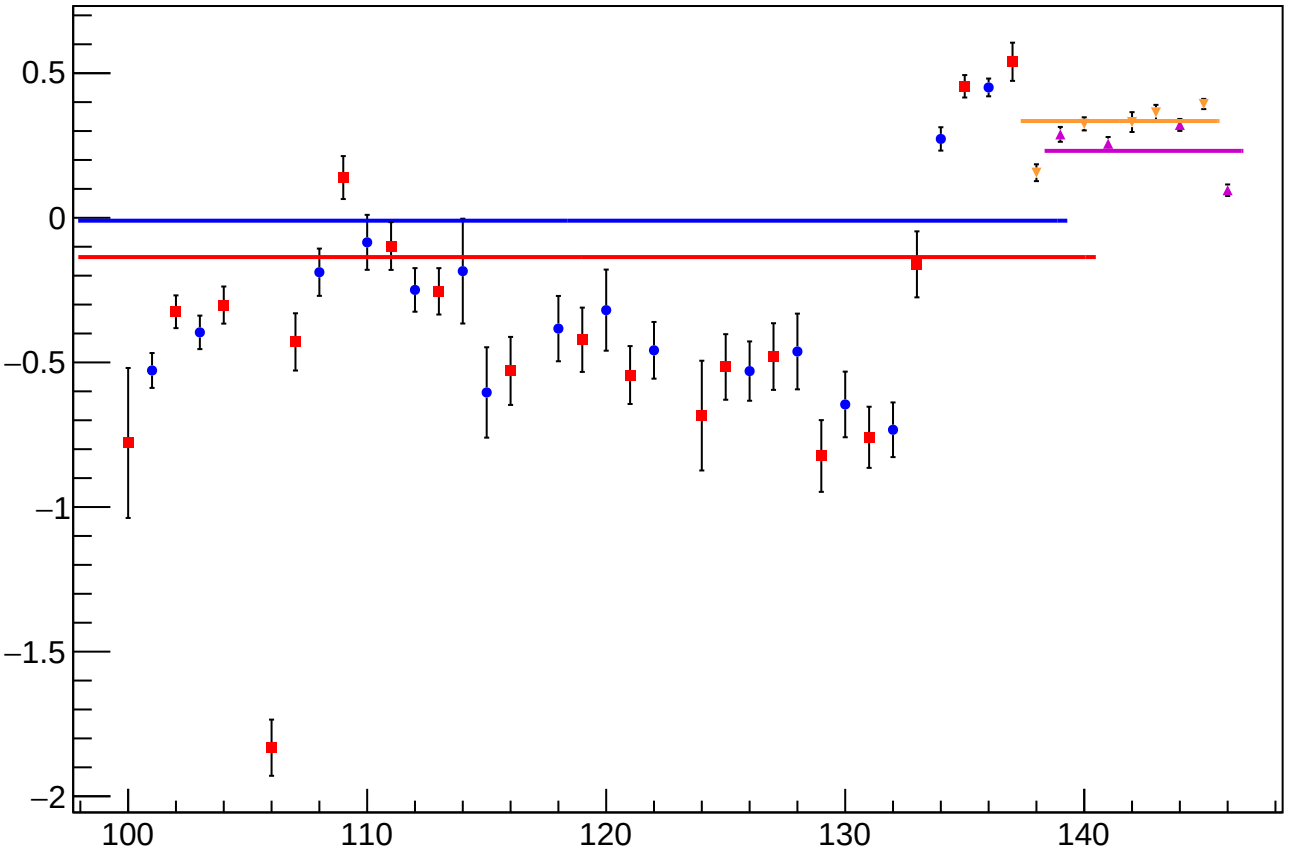
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.284+/-0.226 χ^2/NDF:166.4/3

+ sign 31.357+/-0.190 χ^2/NDF: 4450.2/20

All: 31.592+/-0.134 χ^2/NDF: 9209.3/43

- sign 31.821+/-0.188 χ^2/NDF: 4756.1/22



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.335+/-0.011 χ^2/NDF:50.2/4

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

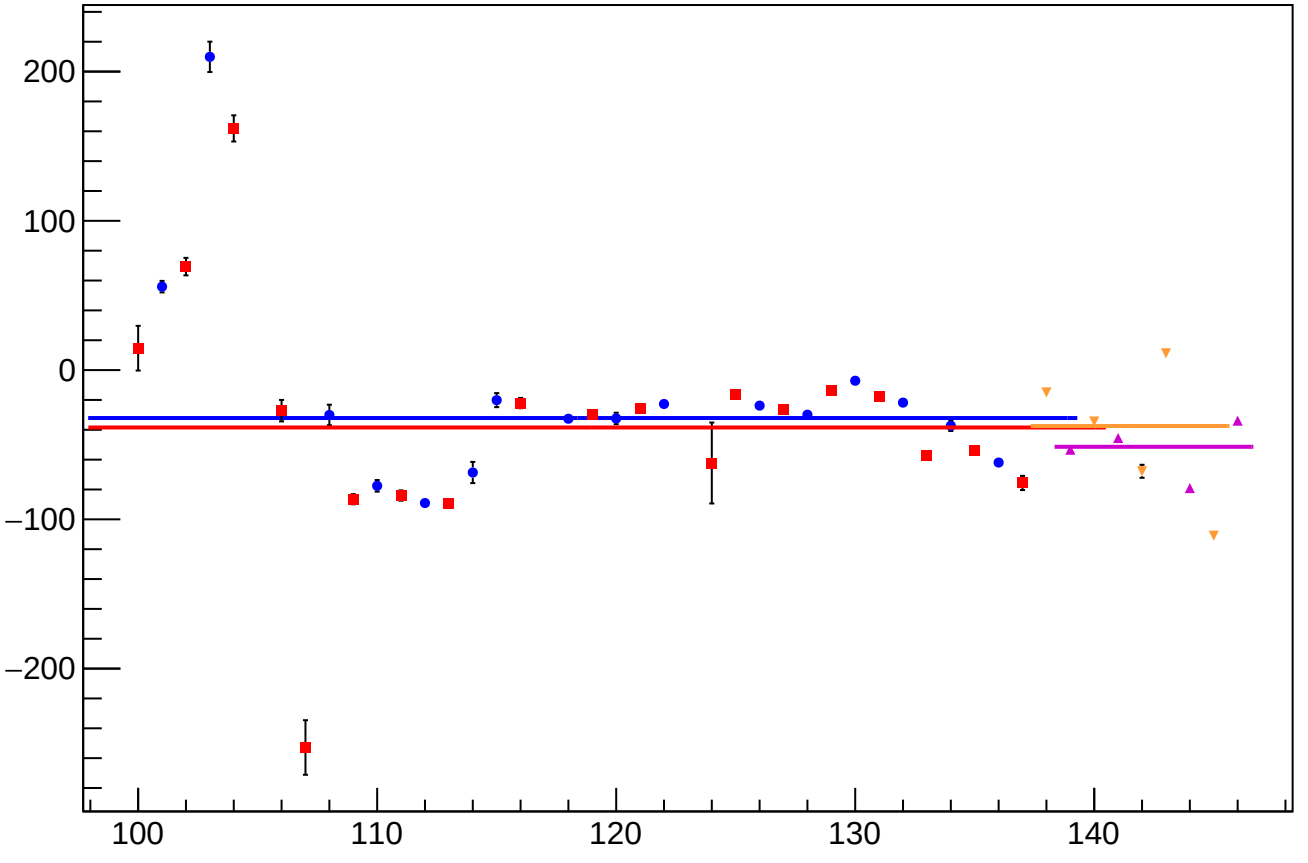
Left In: 0.231+/-0.011 χ^2/NDF:71.6/3

+ sign 0.239+/-0.009 χ^2/NDF: 923.1/20

All: 0.190+/-0.007 χ^2/NDF: 2155.2/43

- sign 0.138+/-0.010 χ^2/NDF: 1173.4/22

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -37.475+/-1.330 χ^2/NDF:875.9/4

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

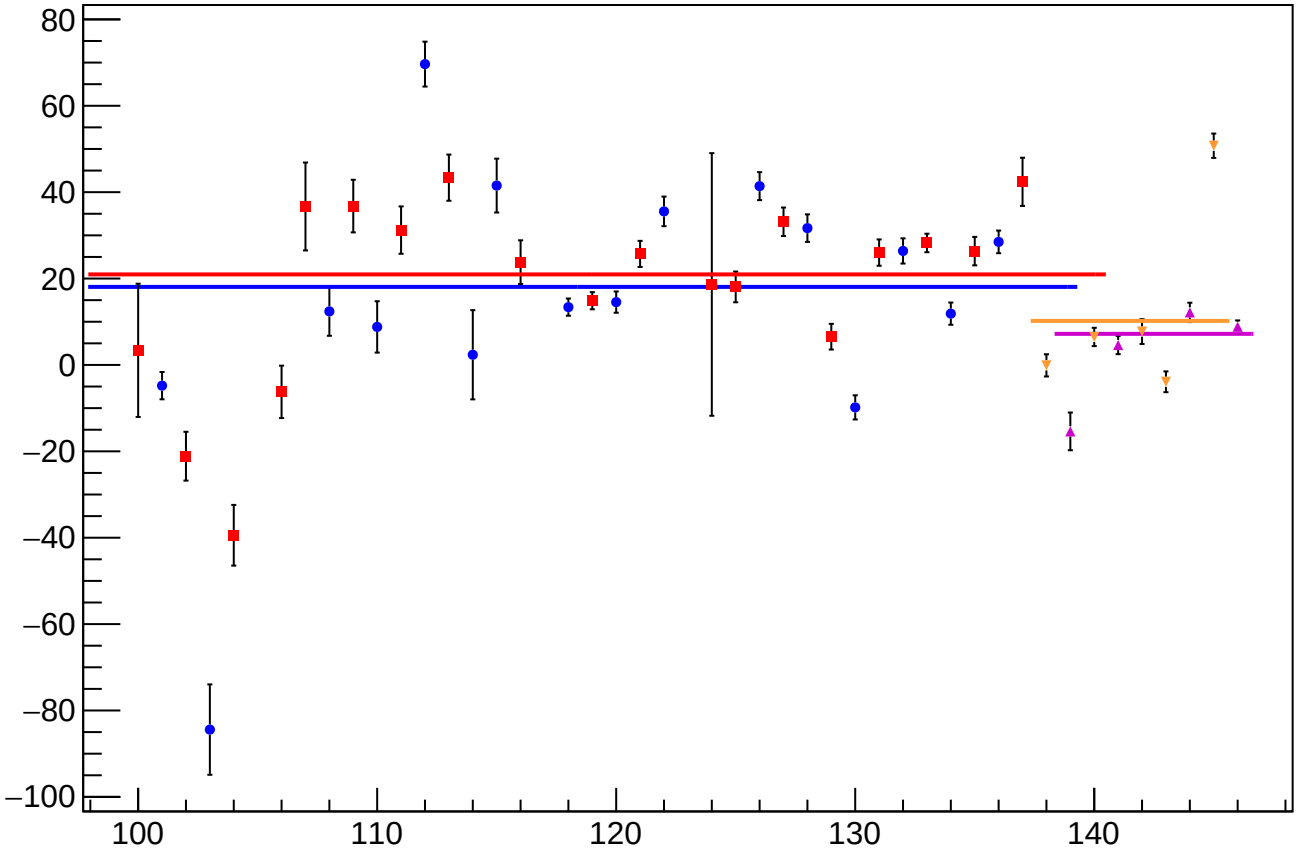
Left In: -51.393+/-1.352 χ^2/NDF:133.4/3

+ sign -33.651+/-0.712 χ^2/NDF: 2765.0/20

All: -37.837+/-0.509 χ^2/NDF: 5006.6/43

- sign -42.216+/-0.728 χ^2/NDF: 2170.9/22

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 10.193+/-1.122 χ^2/NDF:261.6/4

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

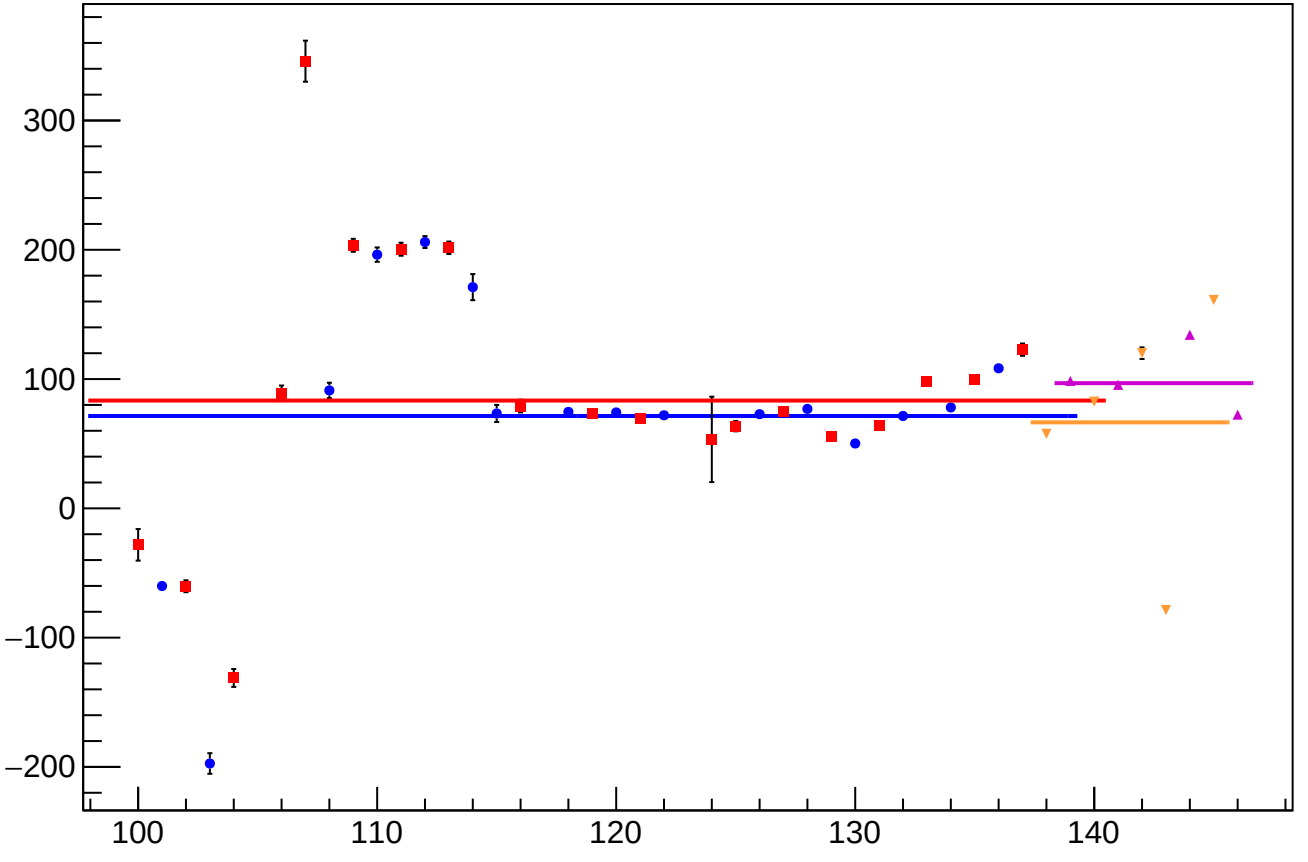
Left In: 7.200+/-1.028 χ^2/NDF:34.4/3

+ sign 15.316+/-0.664 χ^2/NDF: 793.1/20

All: 15.273+/-0.469 χ^2/NDF: 1194.7/43

- sign 15.231+/-0.663 χ^2/NDF: 401.6/22

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 66.513+/-1.371 χ^2/NDF:2867.9/4

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

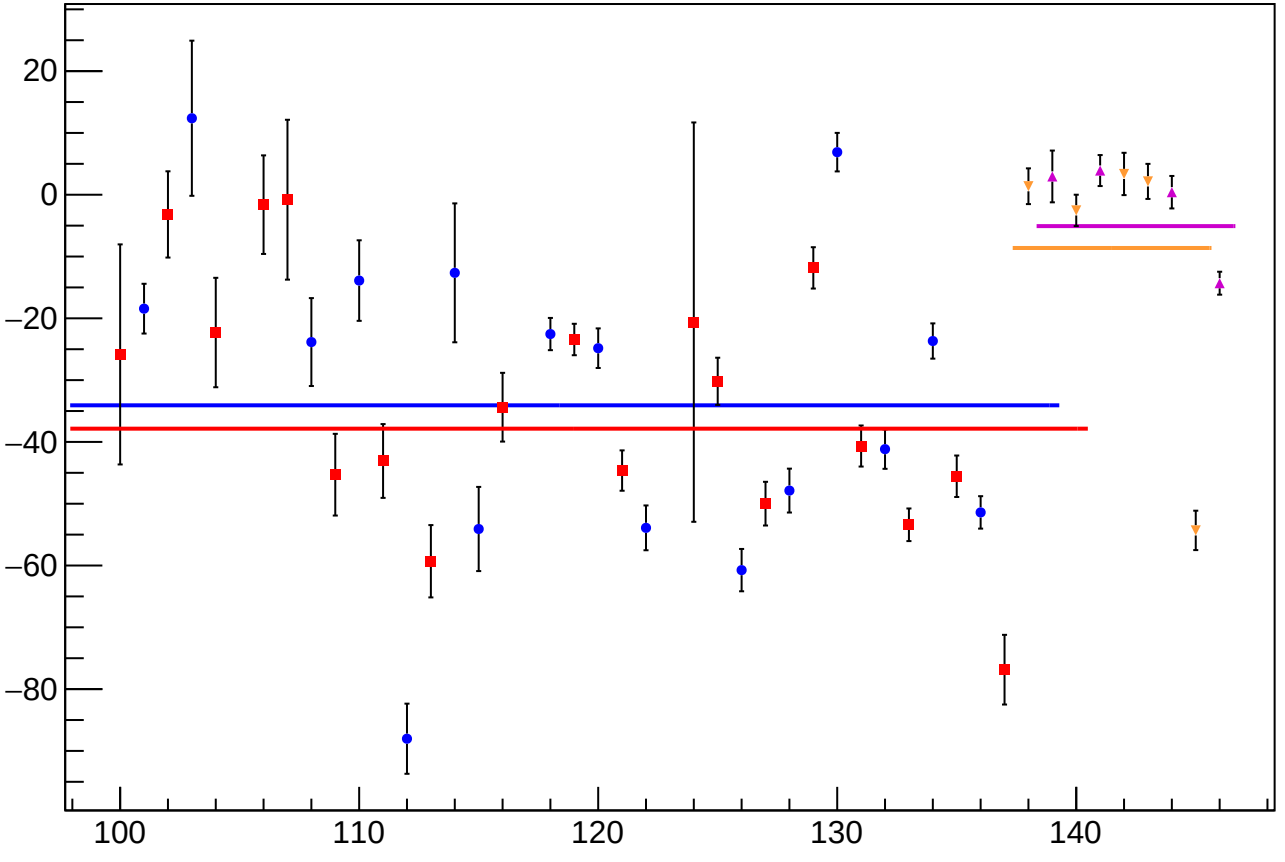
Left In: 96.836+/-1.367 χ^2/NDF:239.7/3

+ sign 69.871+/-0.770 χ^2/NDF: 7696.2/20

All: 78.593+/-0.555 χ^2/NDF: 12563.2/43

- sign 87.983+/-0.799 χ^2/NDF: 4600.8/22

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -8.618+/-1.310 χ^2/NDF:250.0/4

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

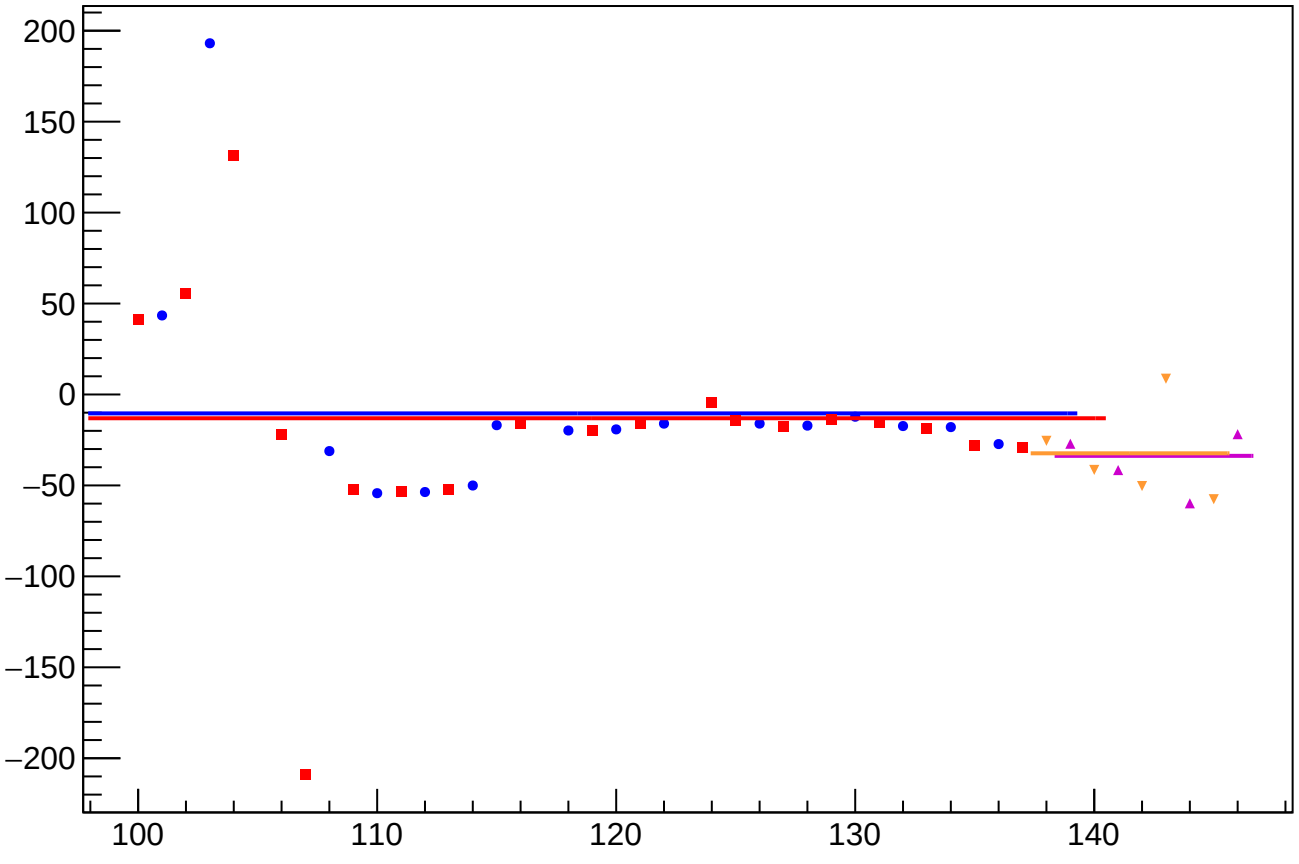
Left In: -5.078+/-1.239 χ^2/NDF:45.7/3

+ sign -25.396+/-0.765 χ^2/NDF: 1010.1/20

All: -25.215+/-0.545 χ^2/NDF: 1756.2/43

- sign -25.028+/-0.775 χ^2/NDF: 746.0/22

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -32.345+/-0.056 χ^2/NDF:143972.8/4

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

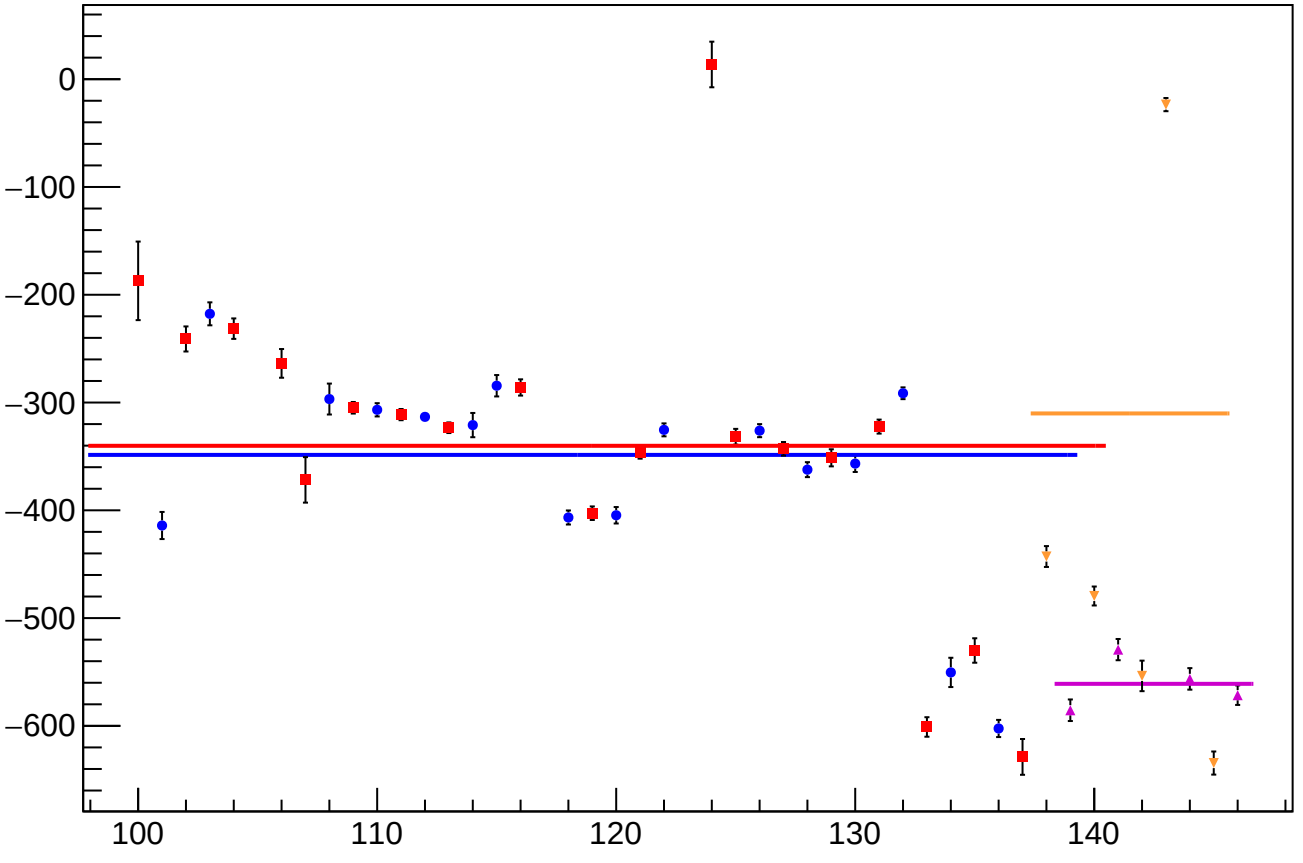
Left In: -33.738+/-0.055 χ^2/NDF:56795.1/3

+ sign -21.466+/-0.040 χ^2/NDF: 741525.1/20

All: -23.051+/-0.029 χ^2/NDF: 1312661.0/43

- sign -24.741+/-0.041 χ^2/NDF: 567892.5/22

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -310.121+/-3.953 χ^2/NDF:3962.1/4

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

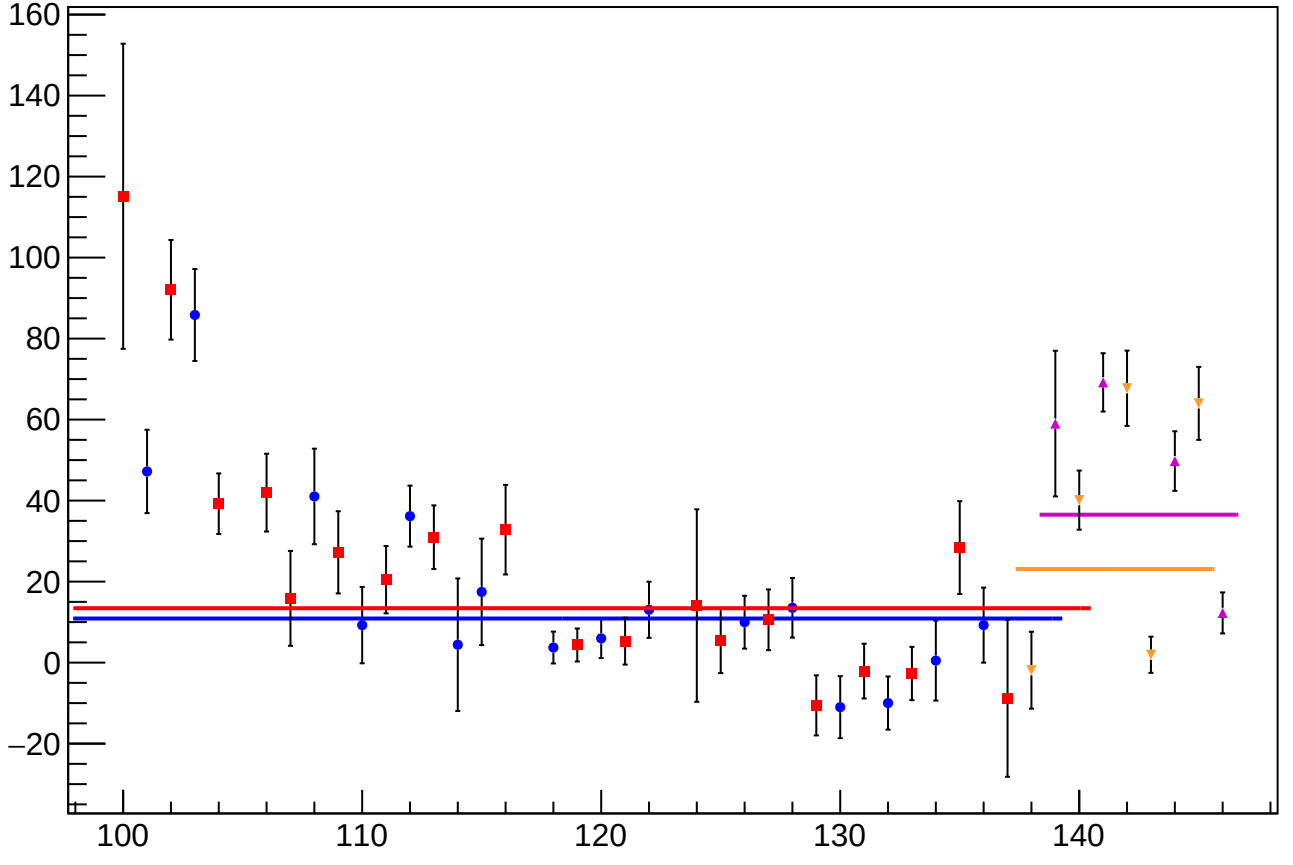
Left In: -561.003+/-4.851 χ^2/NDF:17.9/3

\+ sign -341.830+/-1.657 χ^2/NDF: 5898.5/20

All: -353.845+/-1.170 χ^2/NDF: 10050.5/43

\- sign -365.821+/-1.654 χ^2/NDF: 4047.1/22

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 23.103+/-3.103 χ^2/NDF:78.4/4

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

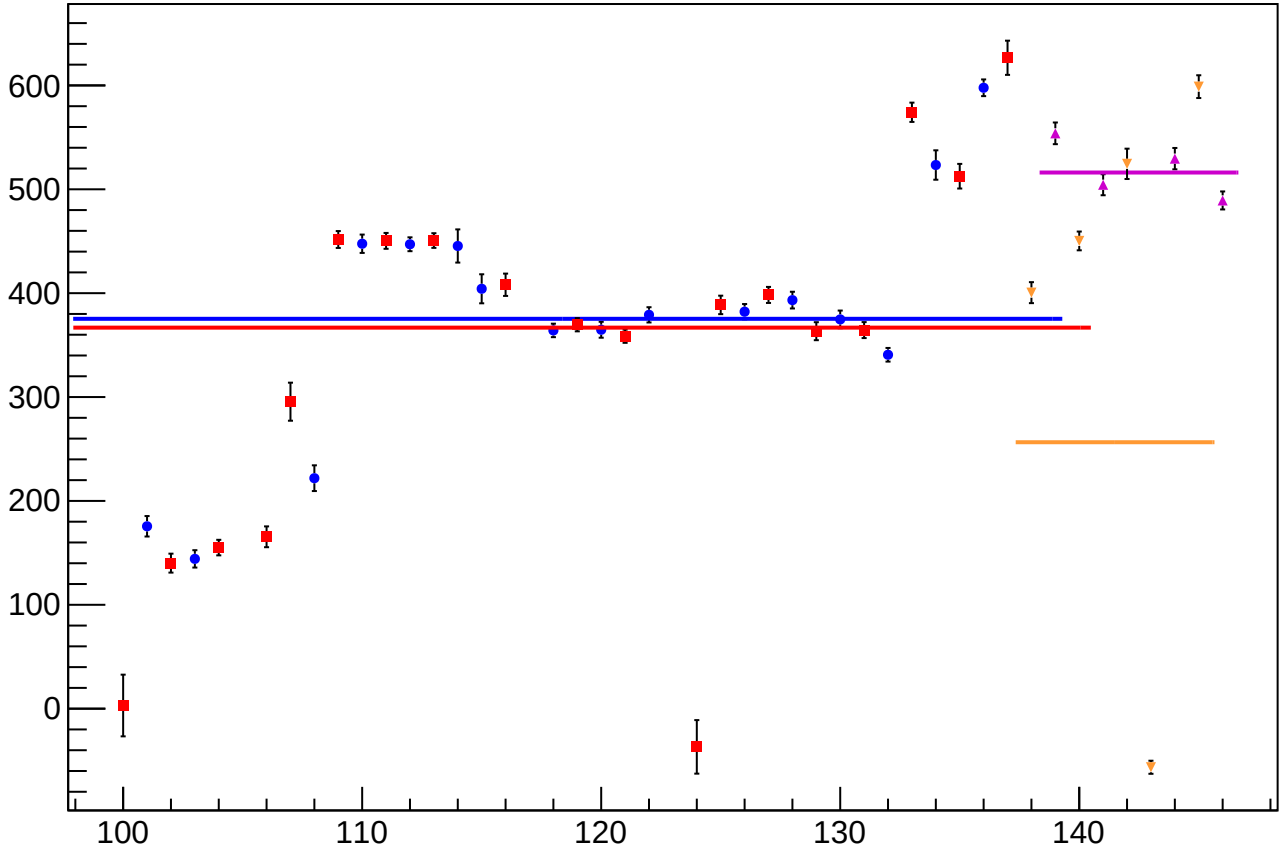
Left In: 36.517+/-3.540 χ^2/NDF:48.3/3

+ sign 14.073+/-1.584 χ^2/NDF: 188.1/20

All: 16.158+/-1.140 χ^2/NDF: 385.8/43

- sign 18.399+/-1.643 χ^2/NDF: 194.1/22

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 256.502+/-4.073 χ^2/NDF:4445.2/4

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

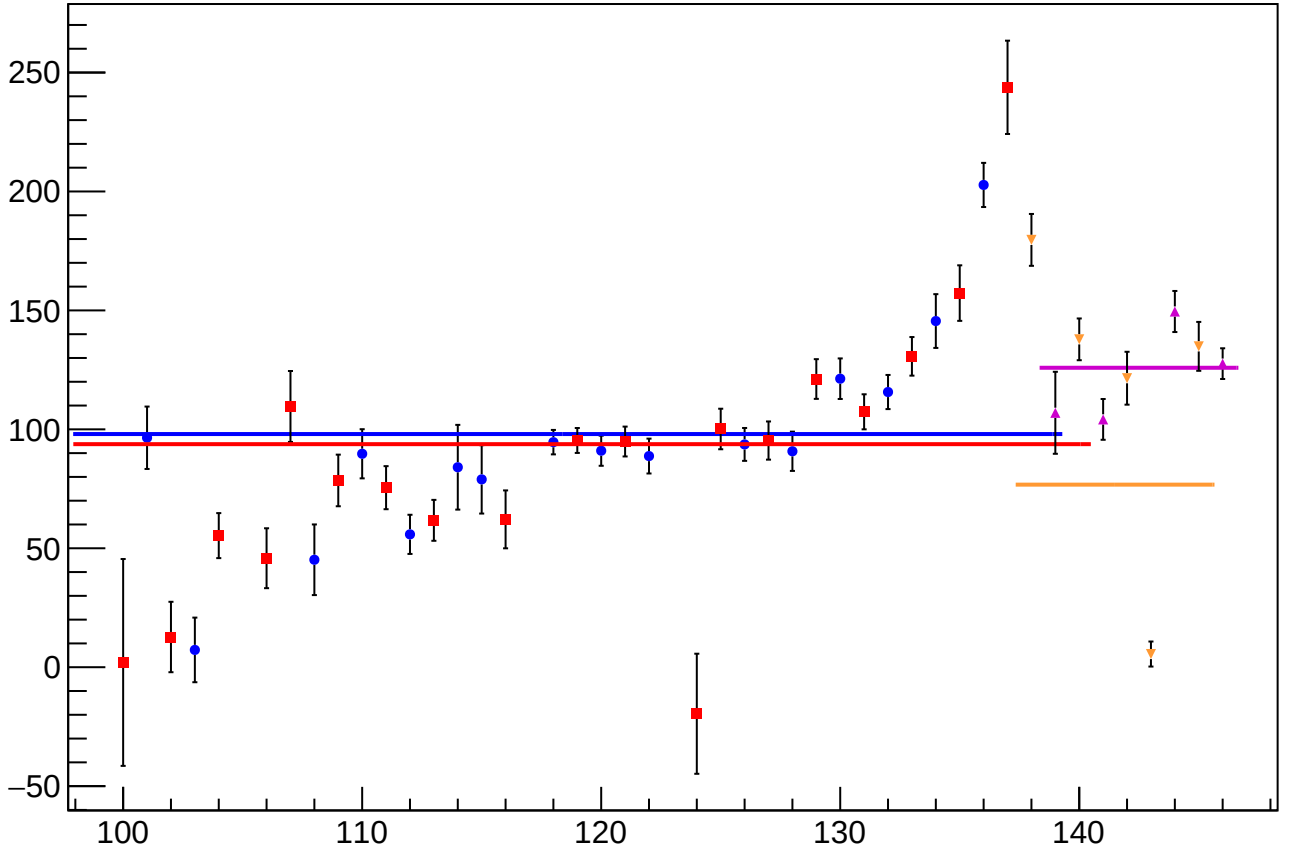
Left In: 516.151+/-4.894 χ^2/NDF:25.7/3

+ sign 350.312+/-1.868 χ^2/NDF: 7566.7/20

All: 369.483+/-1.329 χ^2/NDF: 12138.6/43

- sign 389.107+/-1.890 χ^2/NDF: 4358.9/22

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 76.751+/-3.650 χ^2/NDF:368.8/4

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

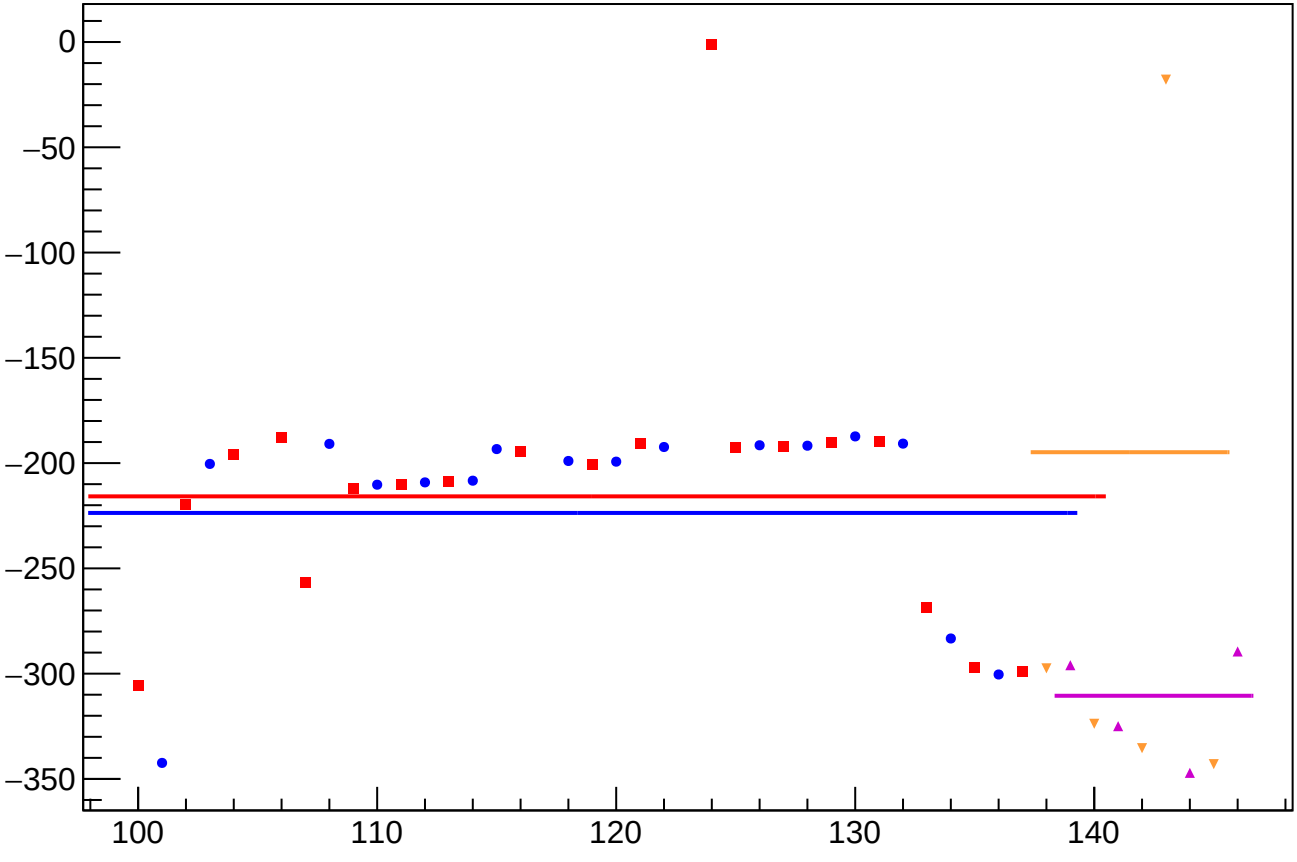
Left In: 125.885+/-4.288 χ^2/NDF:15.2/3

+ sign 92.564+/-1.849 χ^2/NDF: 643.5/20

All: 96.235+/-1.330 χ^2/NDF: 948.9/43

- sign 100.168+/-1.914 χ^2/NDF: 297.3/22

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -194.822+/-0.169 χ^2/NDF:795870.2/4

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

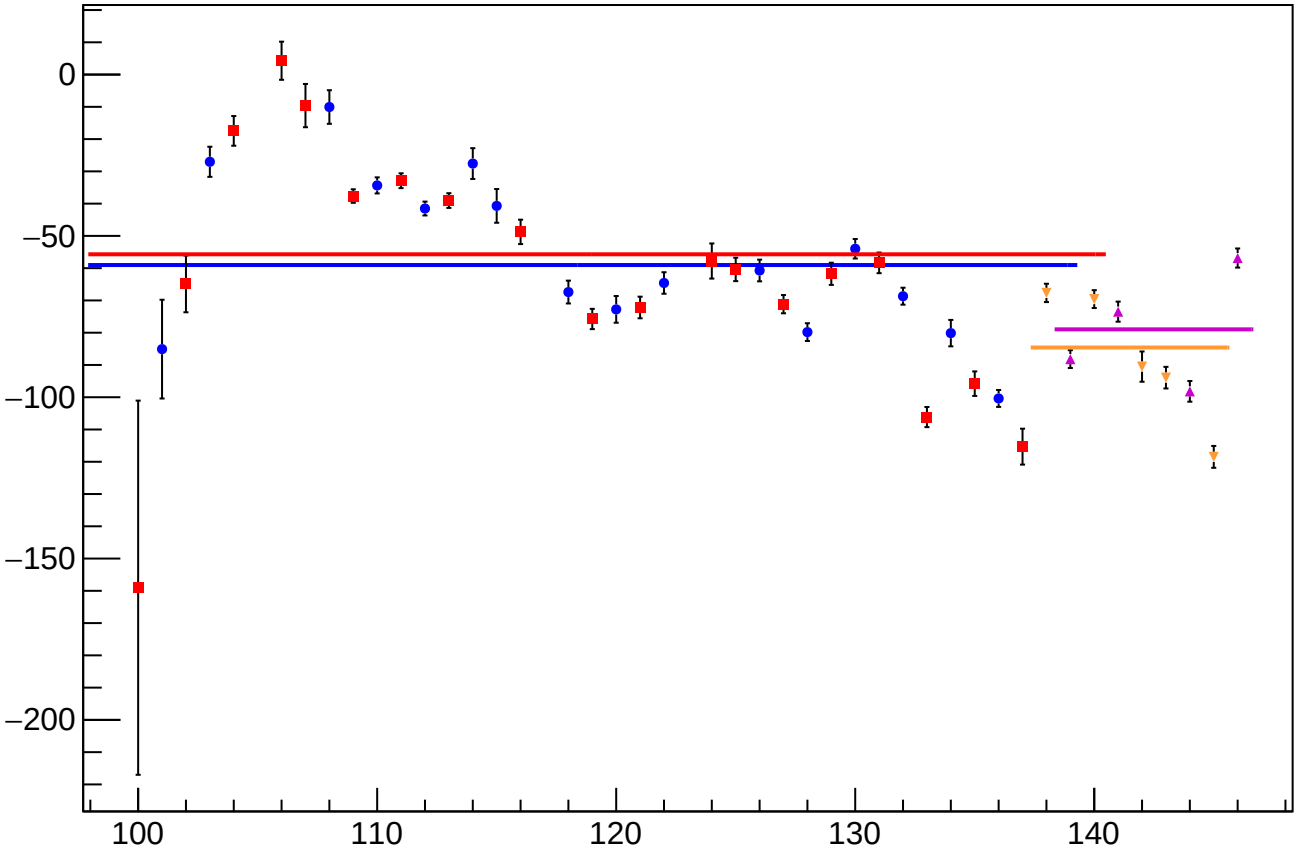
Left In: -310.504+/-0.200 χ^2/NDF:12241.3/3

+ sign -212.115+/-0.107 χ^2/NDF: 934821.1/20

All: -227.982+/-0.077 χ^2/NDF: 1228718.2/43

- sign -245.194+/-0.112 χ^2/NDF: 248119.8/22

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -84.587+/-1.449 χ^2/NDF:174.3/4

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

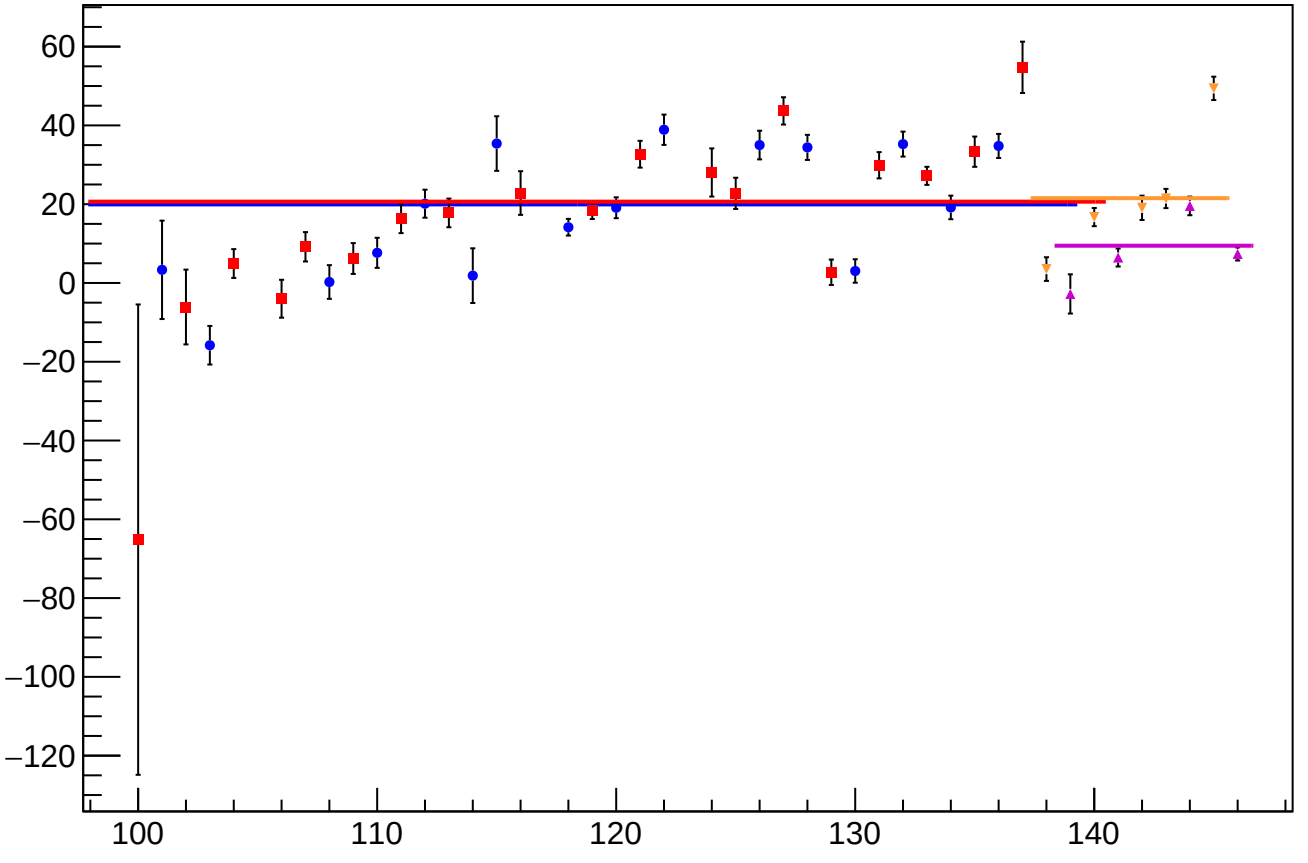
Left In: -78.958+/-1.498 χ^2/NDF:105.8/3

+ sign -65.336+/-0.720 χ^2/NDF: 1136.0/20

All: -62.980+/-0.501 χ^2/NDF: 2492.3/43

- sign -60.759+/-0.699 χ^2/NDF: 1335.5/22

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 21.529+/-1.208 χ^2/NDF:129.3/4

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

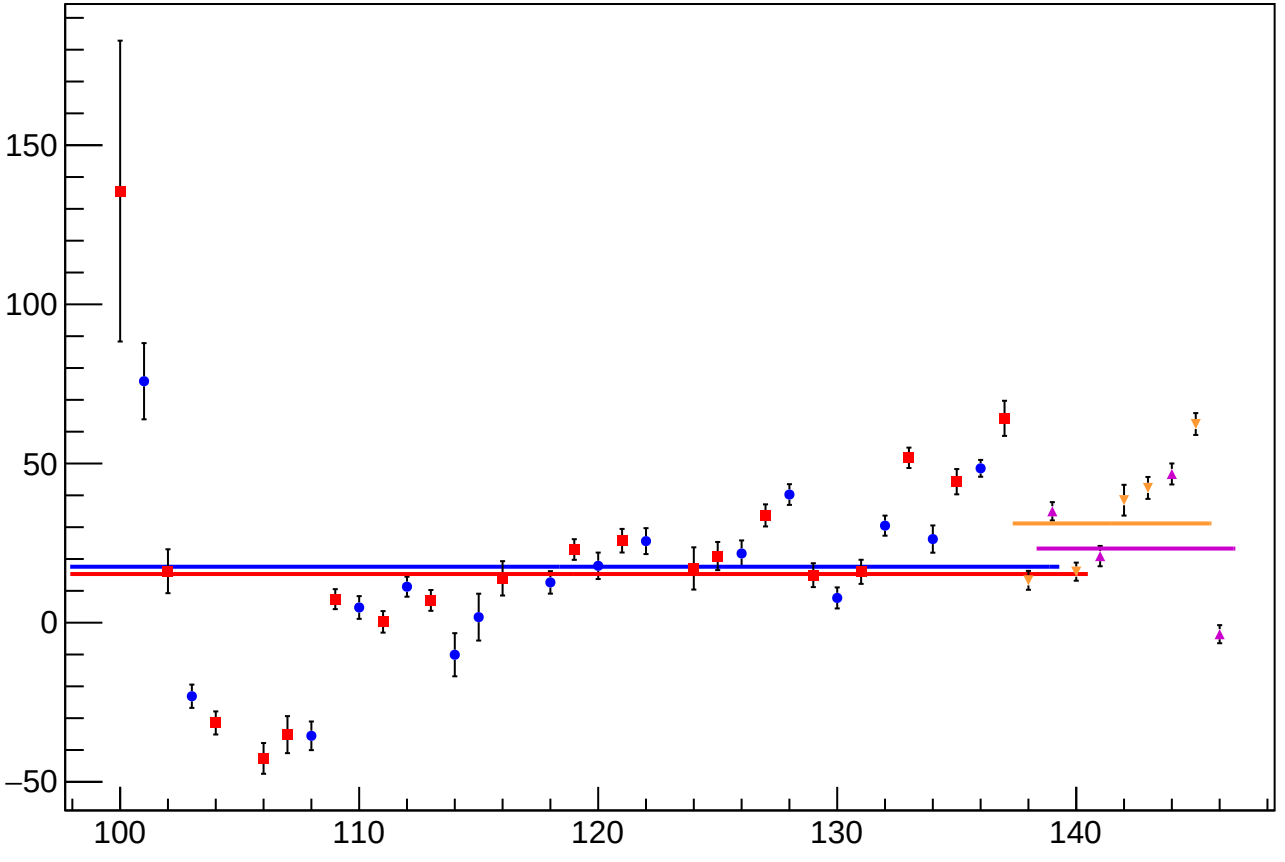
Left In: 9.458+/-1.144 χ^2/NDF:27.5/3

+ sign 20.484+/-0.705 χ^2/NDF: 377.6/20

All: 18.522+/-0.489 χ^2/NDF: 706.8/43

- sign 16.700+/-0.679 χ^2/NDF: 314.2/22

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 31.170+/-1.492 χ^2/NDF:160.1/4

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

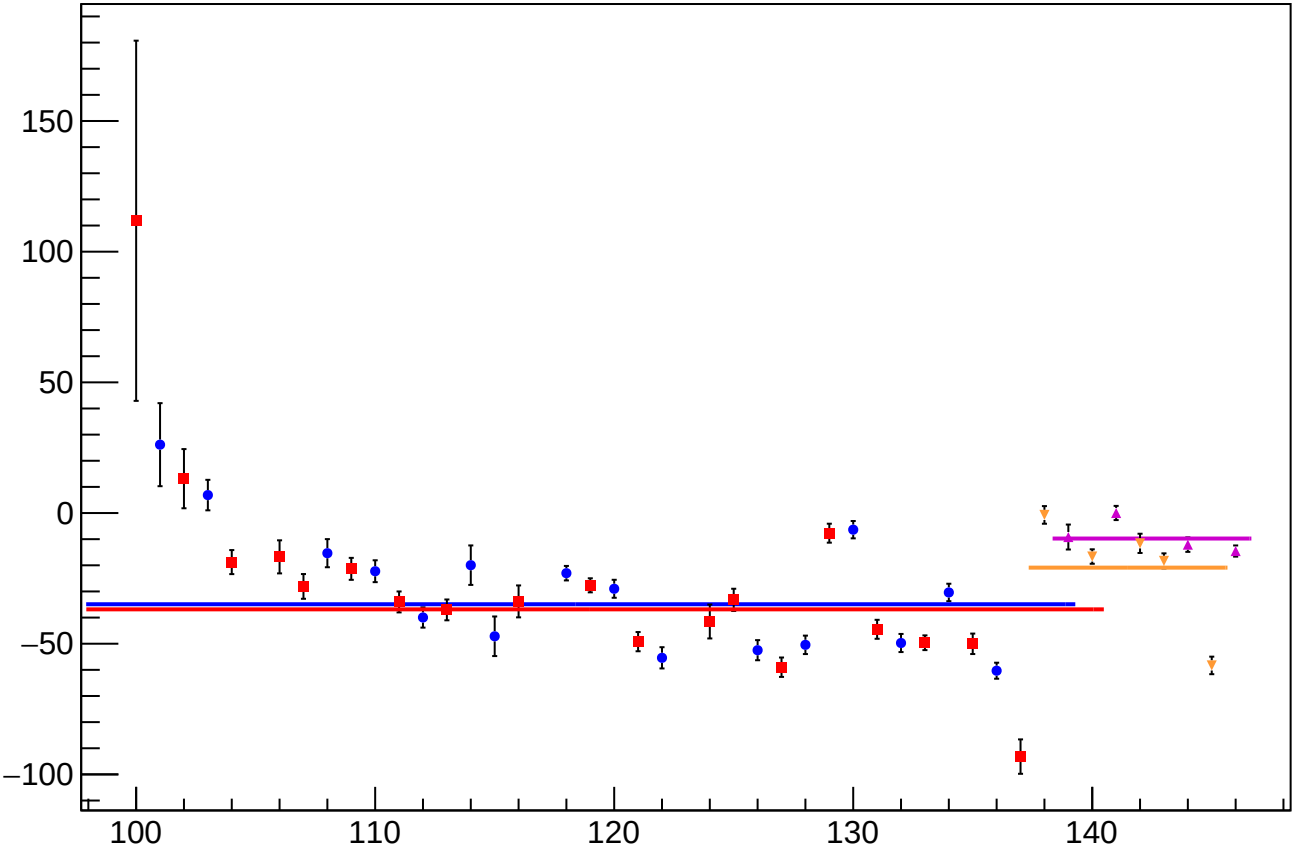
Left In: 23.288+/-1.517 χ^2/NDF:157.1/3

+ sign 21.534+/-0.805 χ^2/NDF: 765.1/20

All: 19.483+/-0.566 χ^2/NDF: 1685.3/43

- sign 17.483+/-0.795 χ^2/NDF: 907.4/22

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -20.890+/-1.412 χ^2/NDF:169.7/4

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

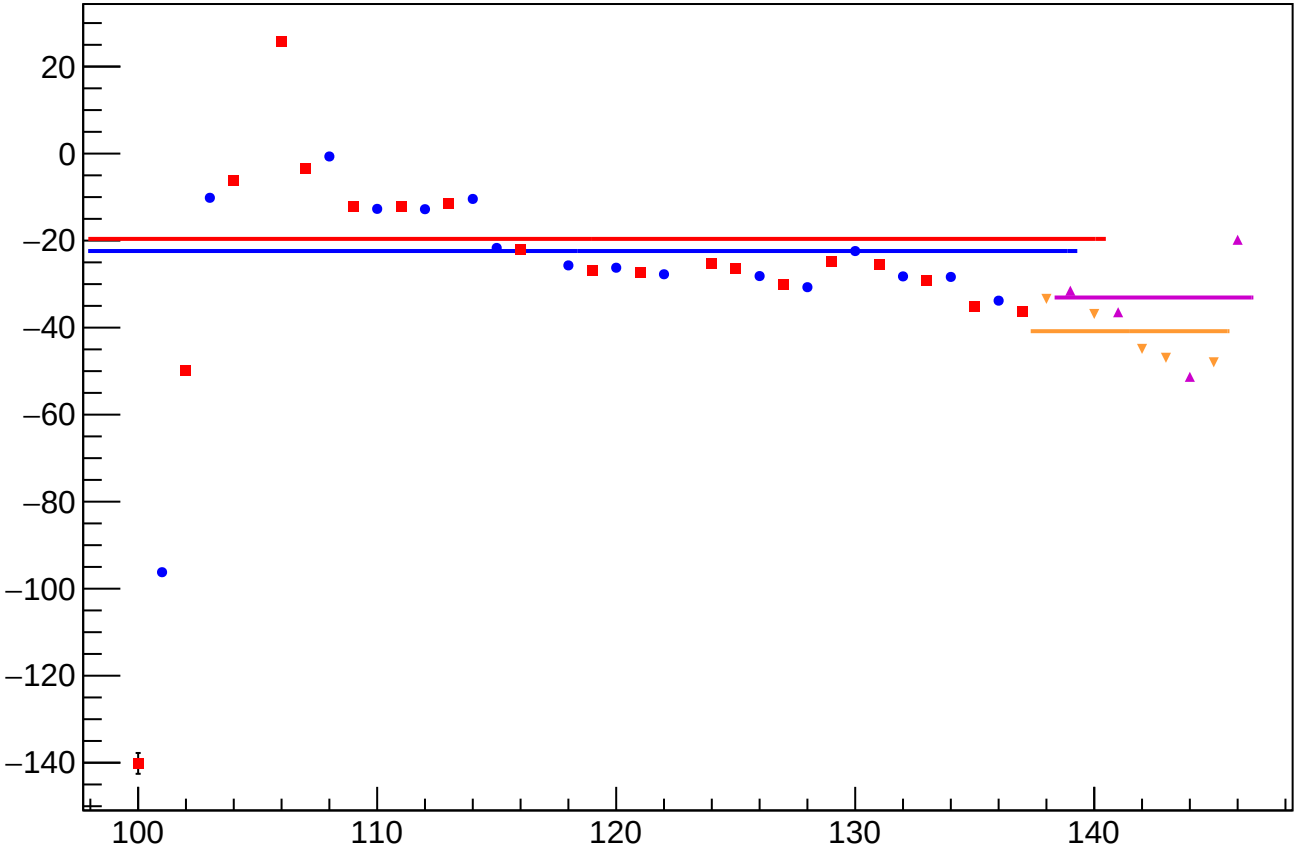
Left In: -9.758+/-1.374 χ^2/NDF:18.7/3

+ sign -30.279+/-0.811 χ^2/NDF: 582.3/20

All: -29.037+/-0.567 χ^2/NDF: 1166.6/43

- sign -27.851+/-0.792 χ^2/NDF: 579.7/22

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -40.819+/-0.061 χ^2/NDF:10069.0/4

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

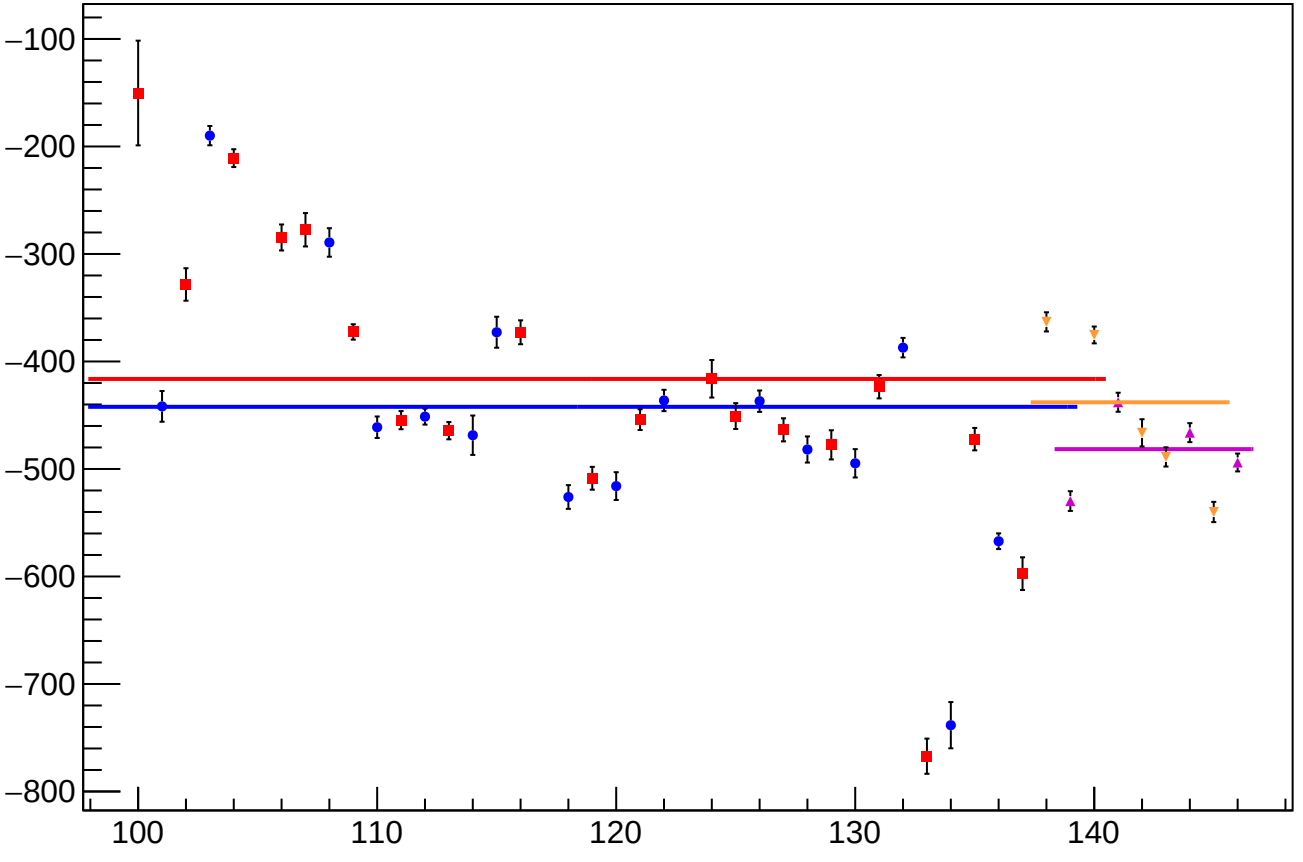
Left In: -33.078+/-0.061 χ^2/NDF:27905.2/3

+ sign -31.128+/-0.042 χ^2/NDF: 103952.7/20

All: -28.656+/-0.030 χ^2/NDF: 247530.8/43

- sign -26.140+/-0.043 χ^2/NDF: 136681.8/22

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -437.971+/-4.122 χ^2/NDF:289.0/4

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

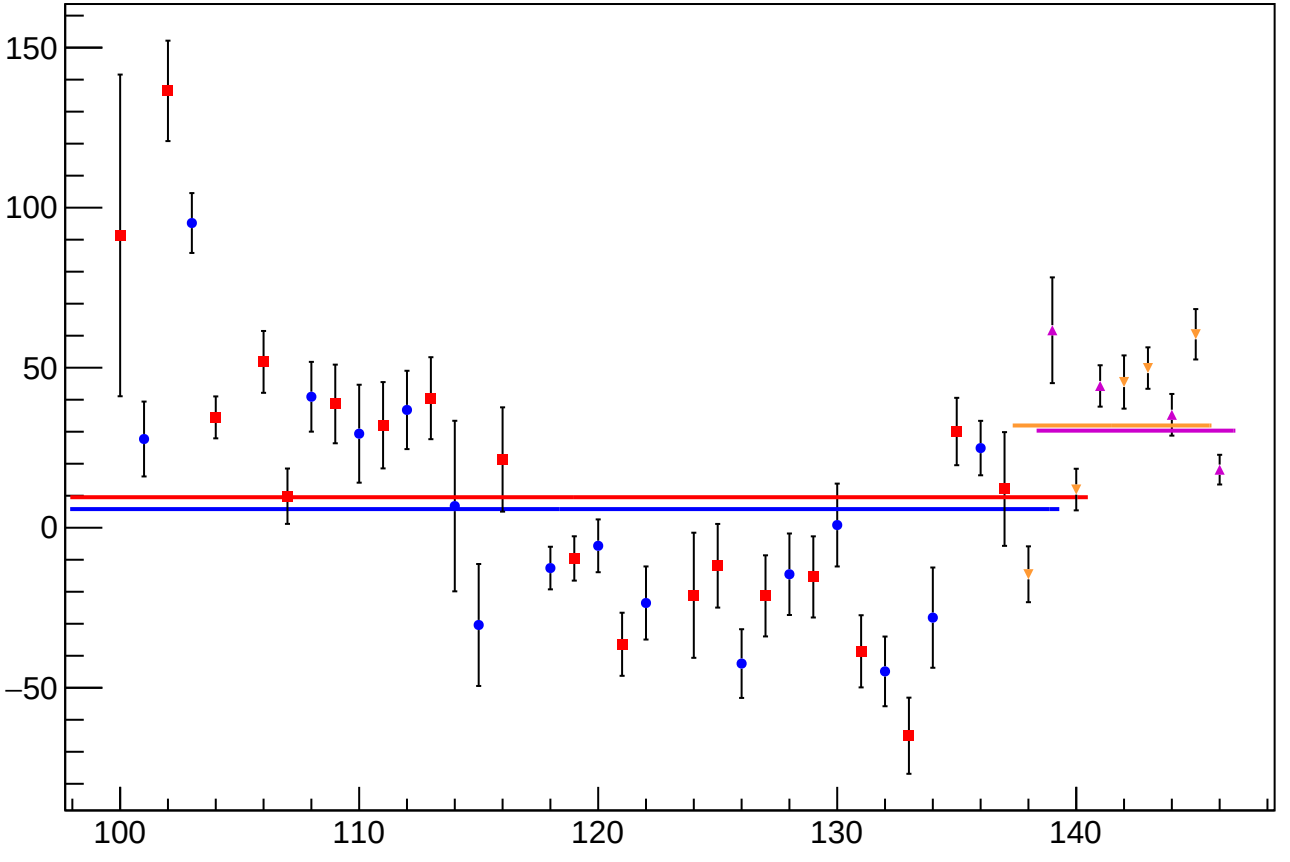
Left In: -481.543+/-4.388 χ^2/NDF:57.3/3

+ sign -440.930+/-2.248 χ^2/NDF: 1878.8/20

All: -436.586+/-1.567 χ^2/NDF: 3863.5/43

- sign -432.473+/-2.187 χ^2/NDF: 1977.5/22

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 31.942+/-3.311 χ^2/NDF:61.3/4

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

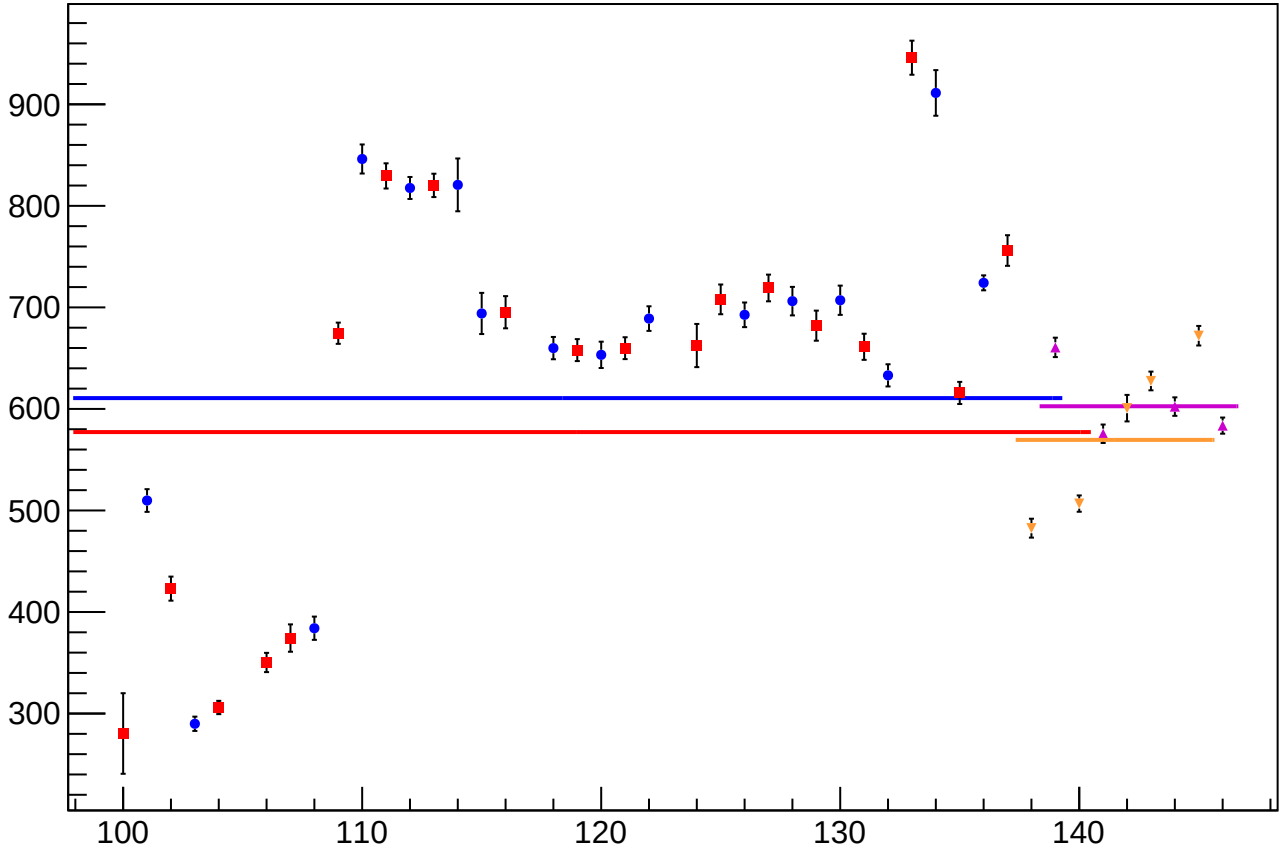
Left In: 30.331+/-3.201 χ^2/NDF:15.7/3

+ sign 16.386+/-2.105 χ^2/NDF: 286.5/20

All: 17.043+/-1.449 χ^2/NDF: 550.4/43

- sign 17.634+/-1.997 χ^2/NDF: 263.7/22

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 569.515+/-4.249 χ^2/NDF:306.6/4

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

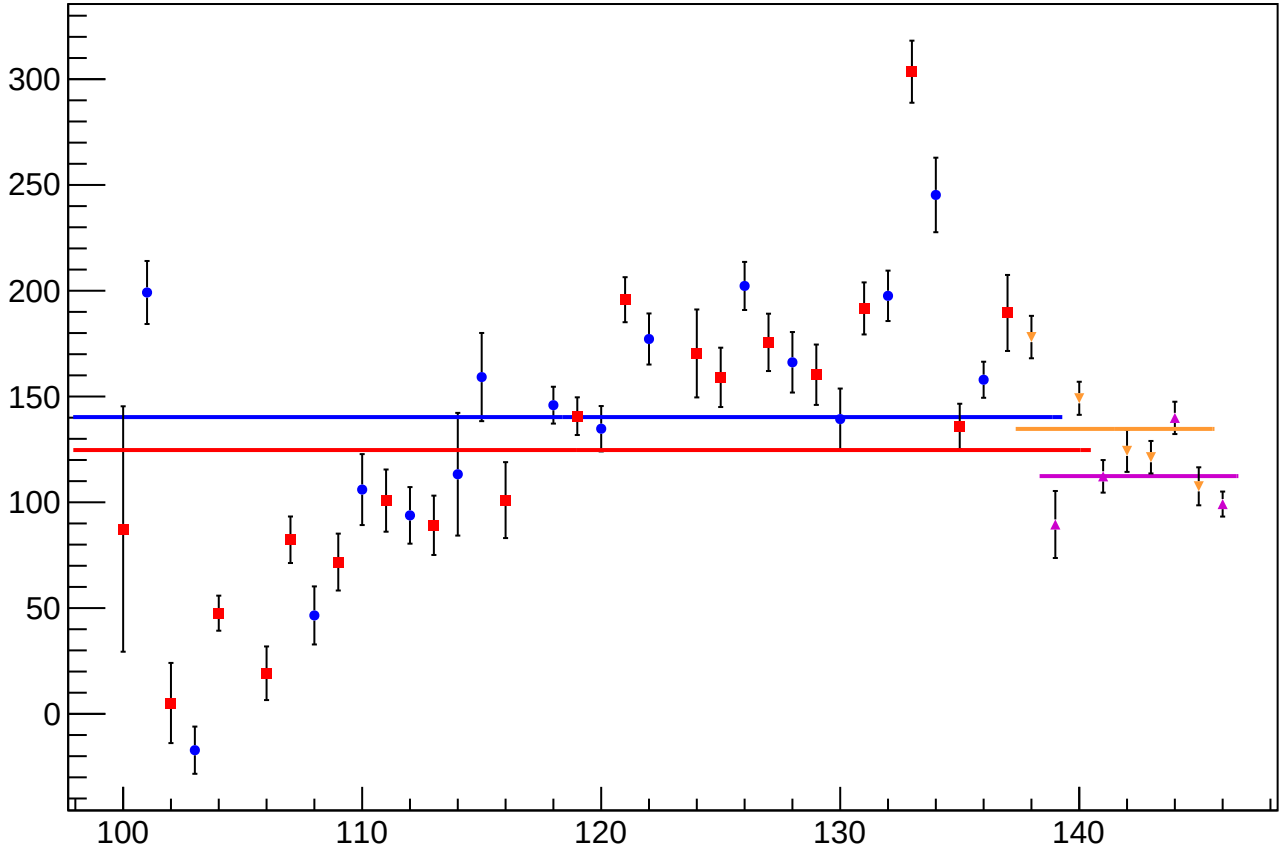
Left In: 602.635+/-4.429 χ^2/NDF:51.4/3

+ sign 597.636+/-2.391 χ^2/NDF: 4263.3/20

All: 590.822+/-1.672 χ^2/NDF: 9154.7/43

- sign 584.299+/-2.339 χ^2/NDF: 4875.5/22

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 134.691+/-3.898 χ^2/NDF:35.4/4

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

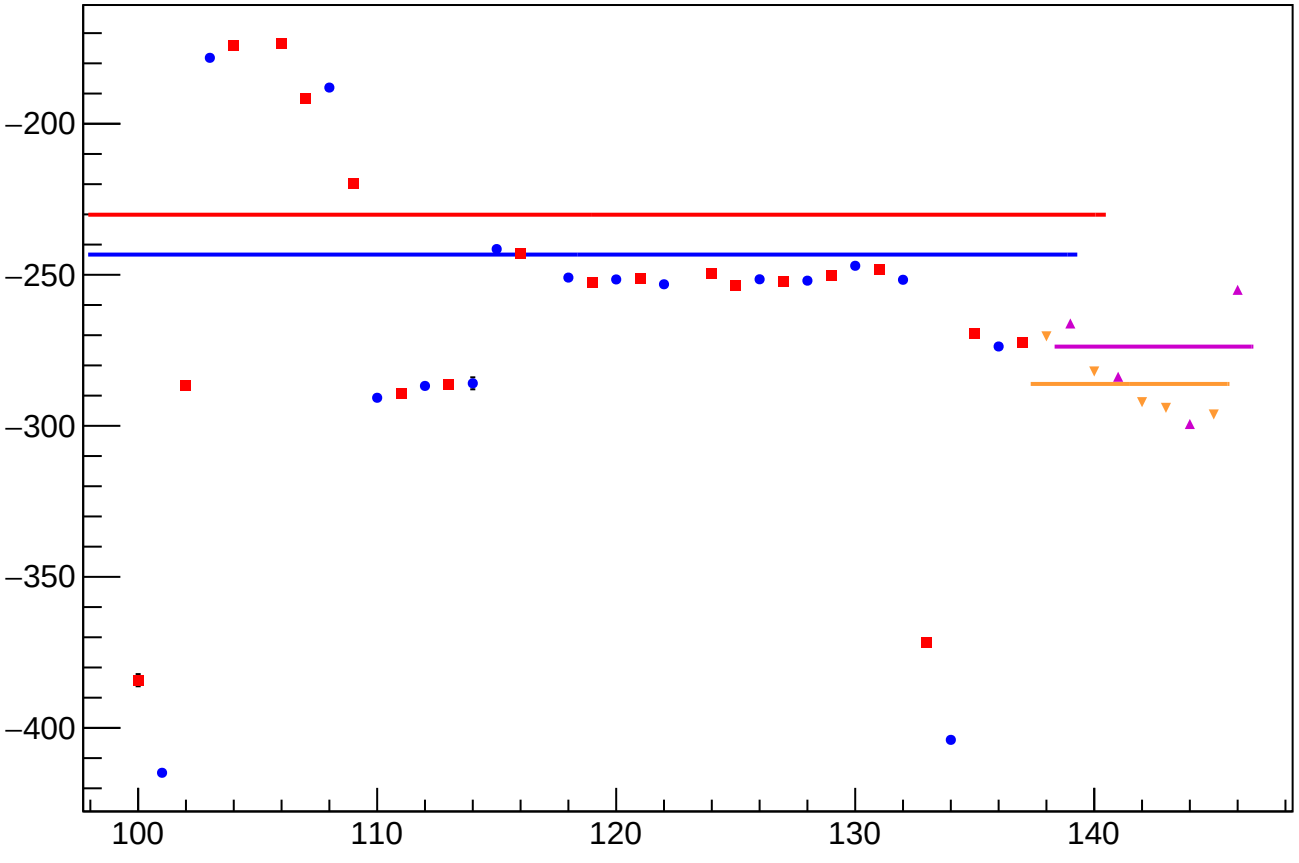
Left In: 112.386+/-3.875 χ^2/NDF:20.1/3

+ sign 138.070+/-2.451 χ^2/NDF: 422.0/20

All: 128.765+/-1.700 χ^2/NDF: 984.8/43

- sign 120.125+/-2.362 χ^2/NDF: 534.9/22

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -286.132+/-0.177 χ^2/NDF:3144.5/4

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

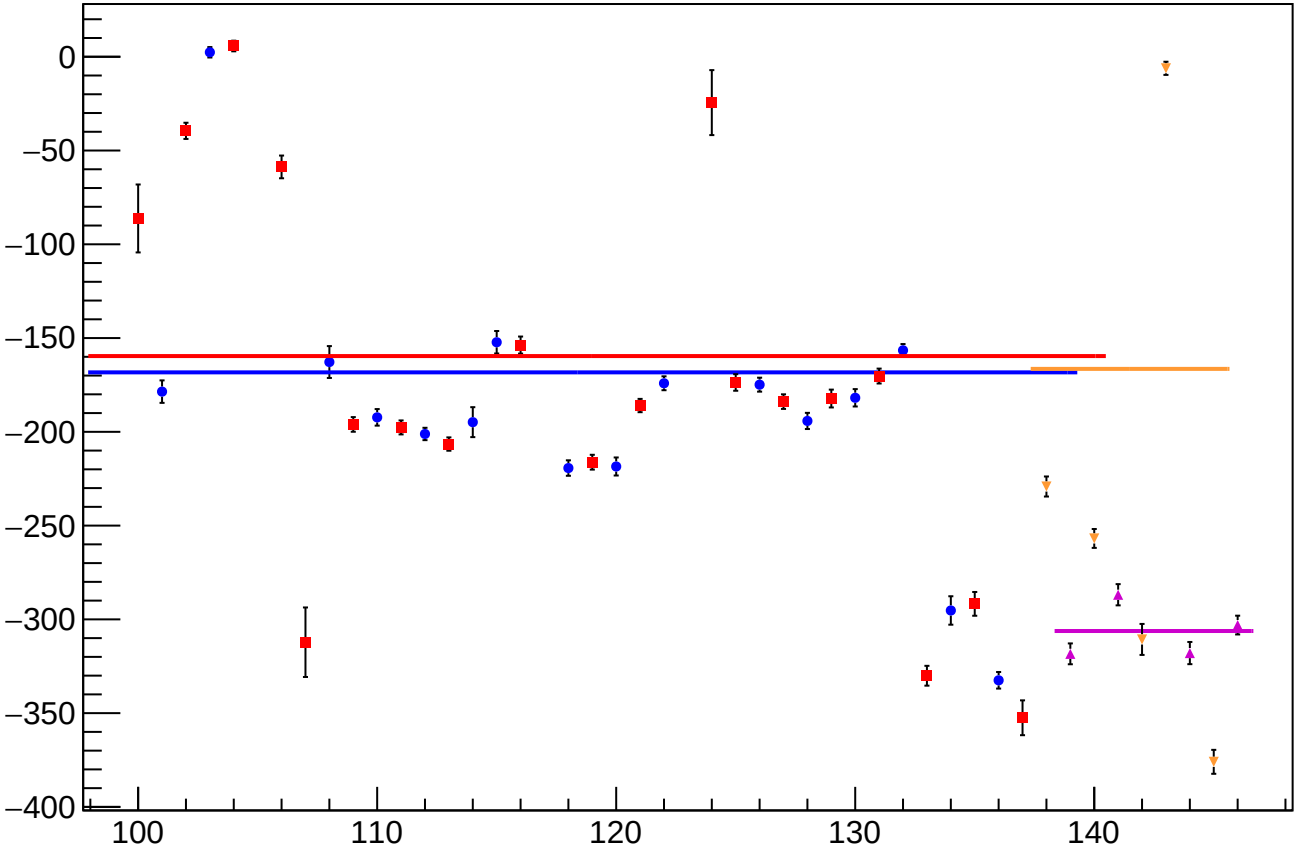
Left In: -273.775+/-0.181 χ^2/NDF:8206.8/3

+ sign -262.907+/-0.120 χ^2/NDF: 208411.2/20

All: -255.833+/-0.084 χ^2/NDF: 359059.3/43

- sign -248.853+/-0.119 χ^2/NDF: 143707.8/22

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -166.433+/-2.266 χ^2/NDF:3927.3/4

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

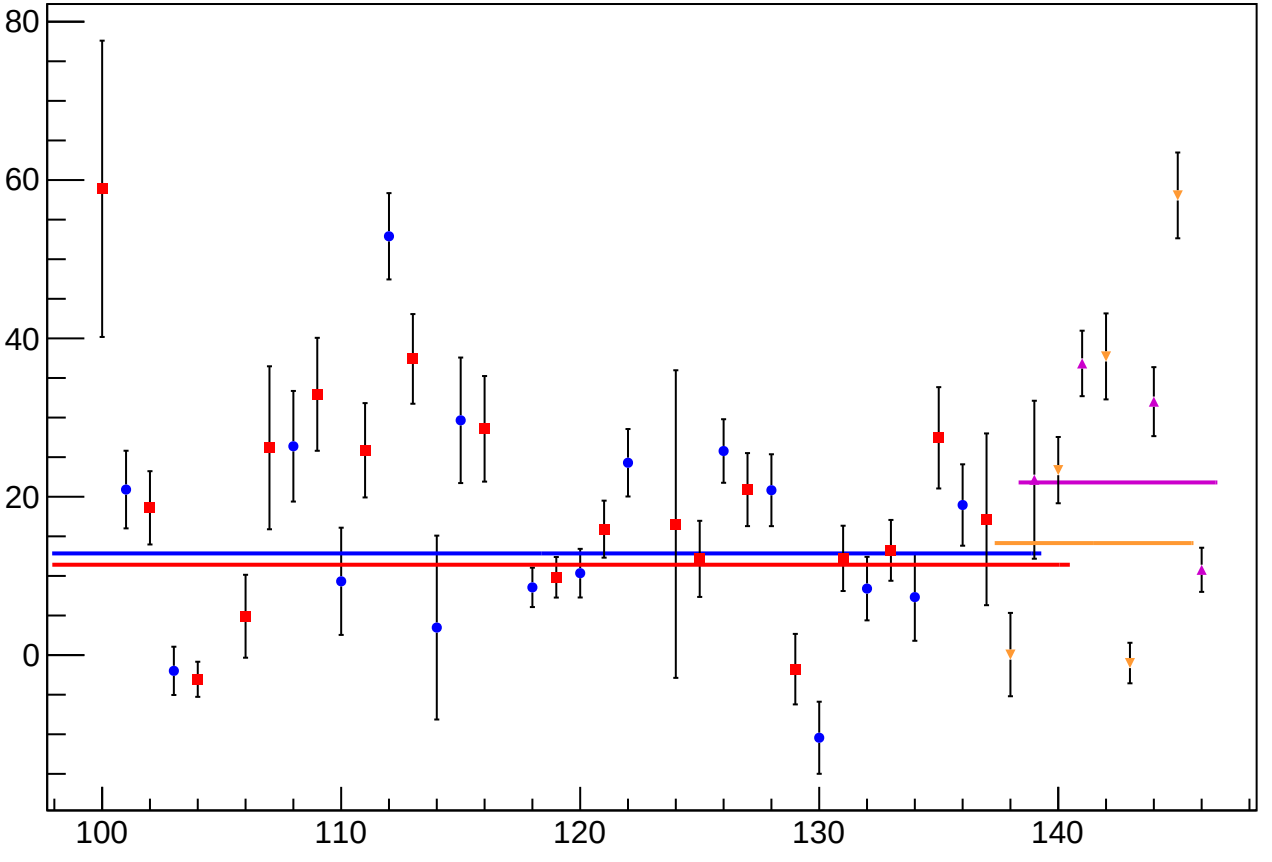
Left In: -306.207+/-2.752 χ^2/NDF:20.8/3

+ sign -167.949+/-0.972 χ^2/NDF: 9835.4/20

All: -172.958+/-0.688 χ^2/NDF: 19589.6/43

- sign -177.997+/-0.975 χ^2/NDF: 9700.9/22

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.148+/-1.785 χ^2/NDF:131.6/4

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

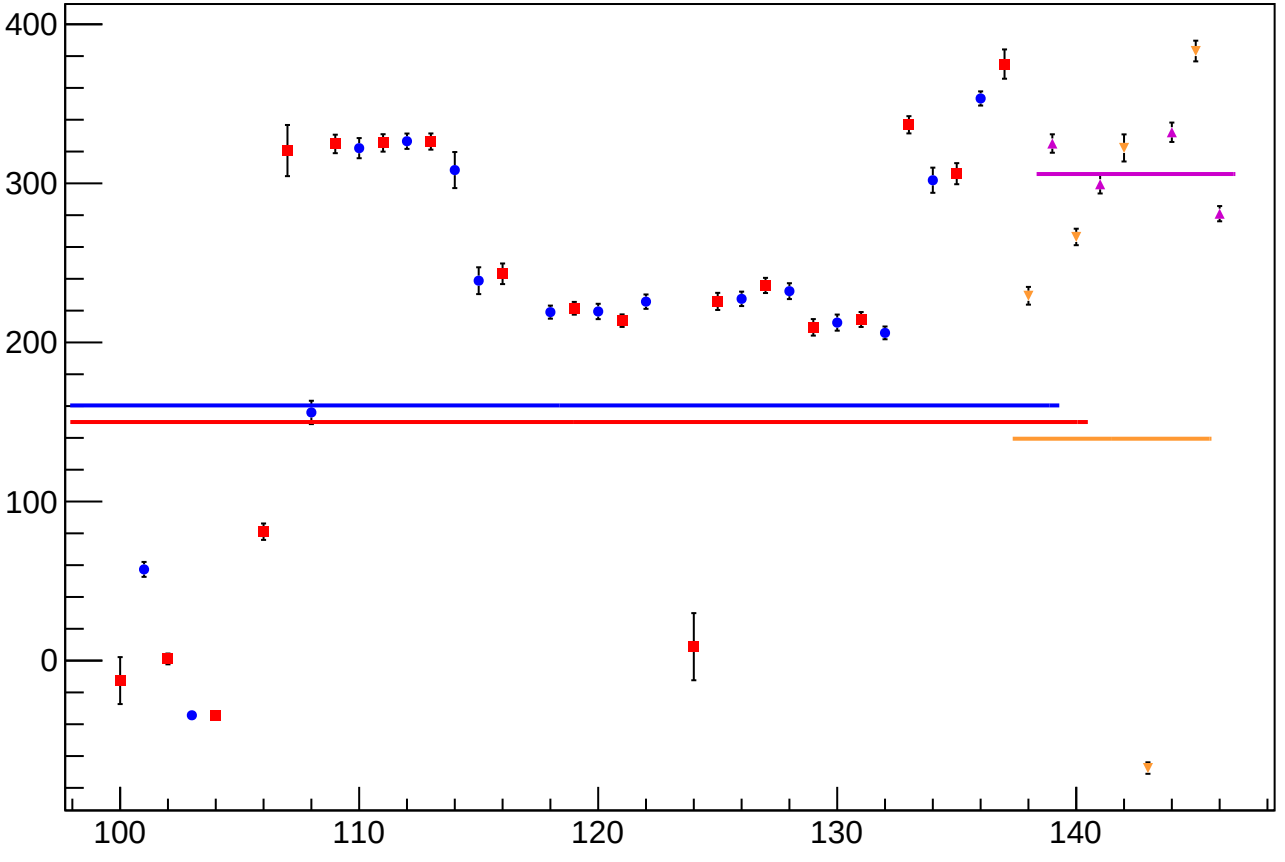
Left In: 21.806+/-2.000 χ^2/NDF:34.4/3

+ sign 13.190+/-0.922 χ^2/NDF: 275.7/20

All: 13.401+/-0.651 χ^2/NDF: 451.0/43

- sign 13.610+/-0.920 χ^2/NDF: 175.2/22

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 139.481+/-2.334 χ^2/NDF:6010.4/4

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

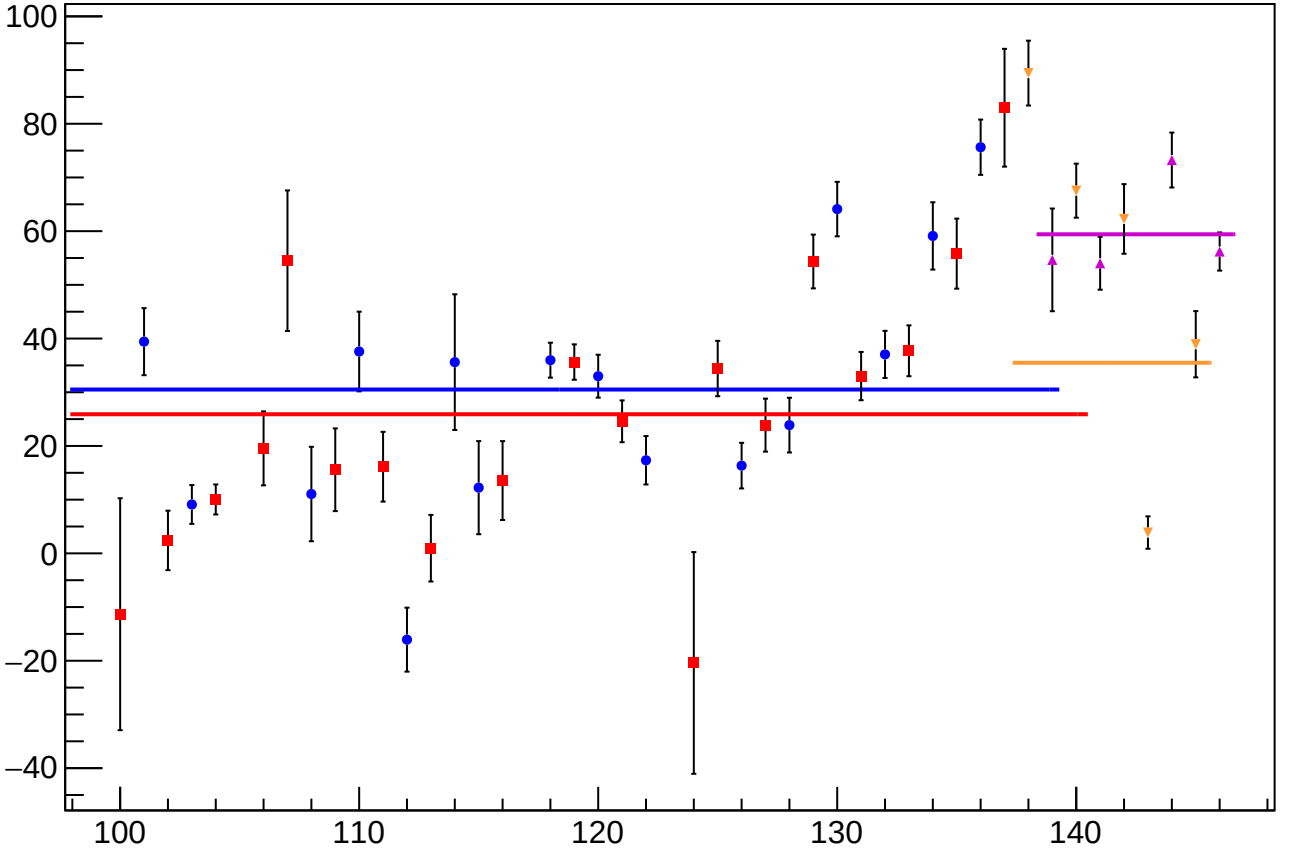
Left In: 305.870+/-2.773 χ^2/NDF:57.9/3

+ sign 156.382+/-1.024 χ^2/NDF: 20025.1/20

All: 163.856+/-0.725 χ^2/NDF: 39181.3/43

- sign 171.393+/-1.028 χ^2/NDF: 19049.1/22

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 35.489+/-2.100 χ^2/NDF:247.6/4

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

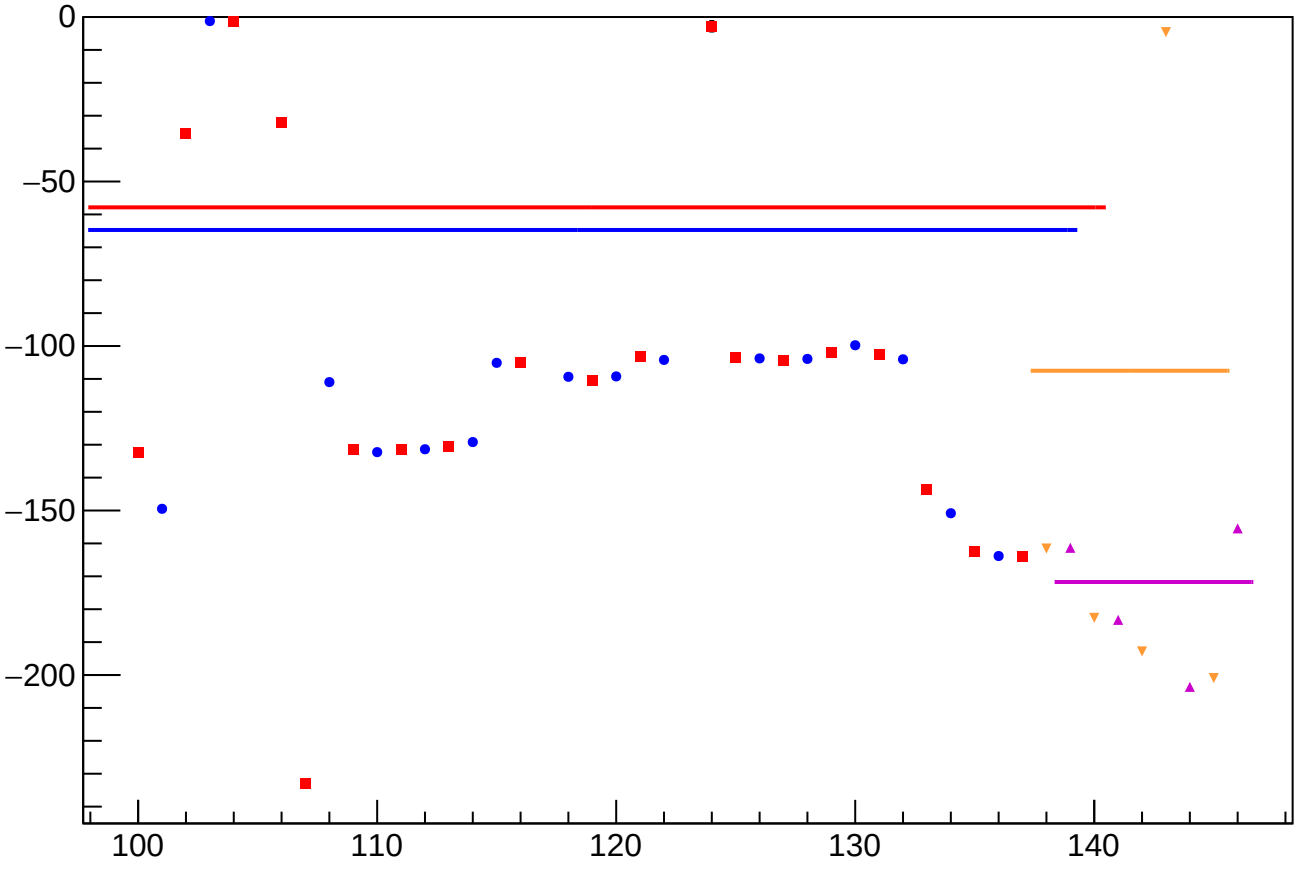
Left In: 59.416+/-2.428 χ^2/NDF:9.6/3

+ sign 31.820+/-1.077 χ^2/NDF: 528.7/20

All: 32.205+/-0.764 χ^2/NDF: 878.7/43

- sign 32.596+/-1.085 χ^2/NDF: 349.8/22

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -107.511+/-0.097 χ^2/NDF:826363.9/4

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

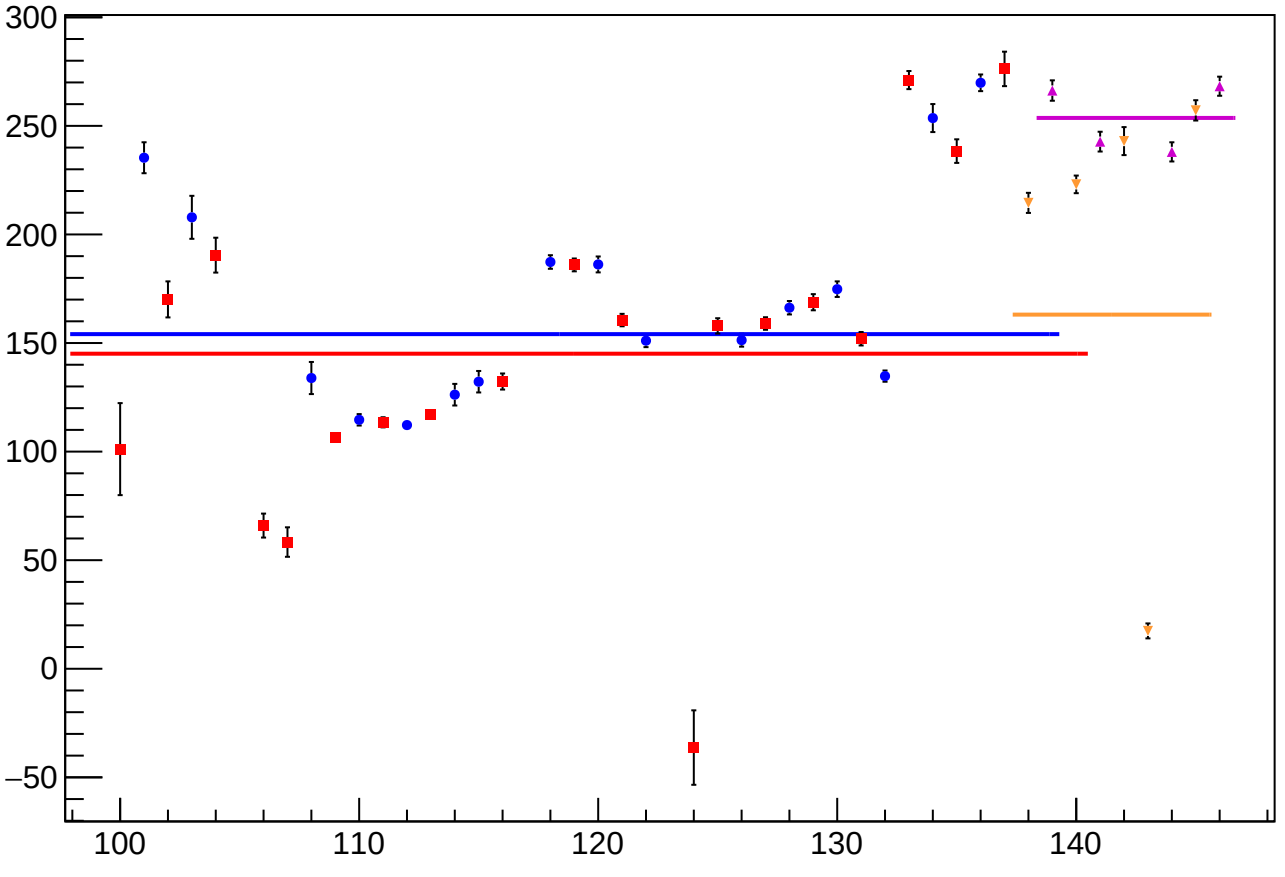
Left In: -171.728+/-0.113 χ^2/NDF:24762.7/3

+ sign -77.654+/-0.053 χ^2/NDF: 2006724.5/20

All: -80.886+/-0.038 χ^2/NDF: 3693326.8/43

- sign -84.262+/-0.054 χ^2/NDF: 1679082.0/22

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 163.082+/-1.955 χ^2/NDF:2688.2/4

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

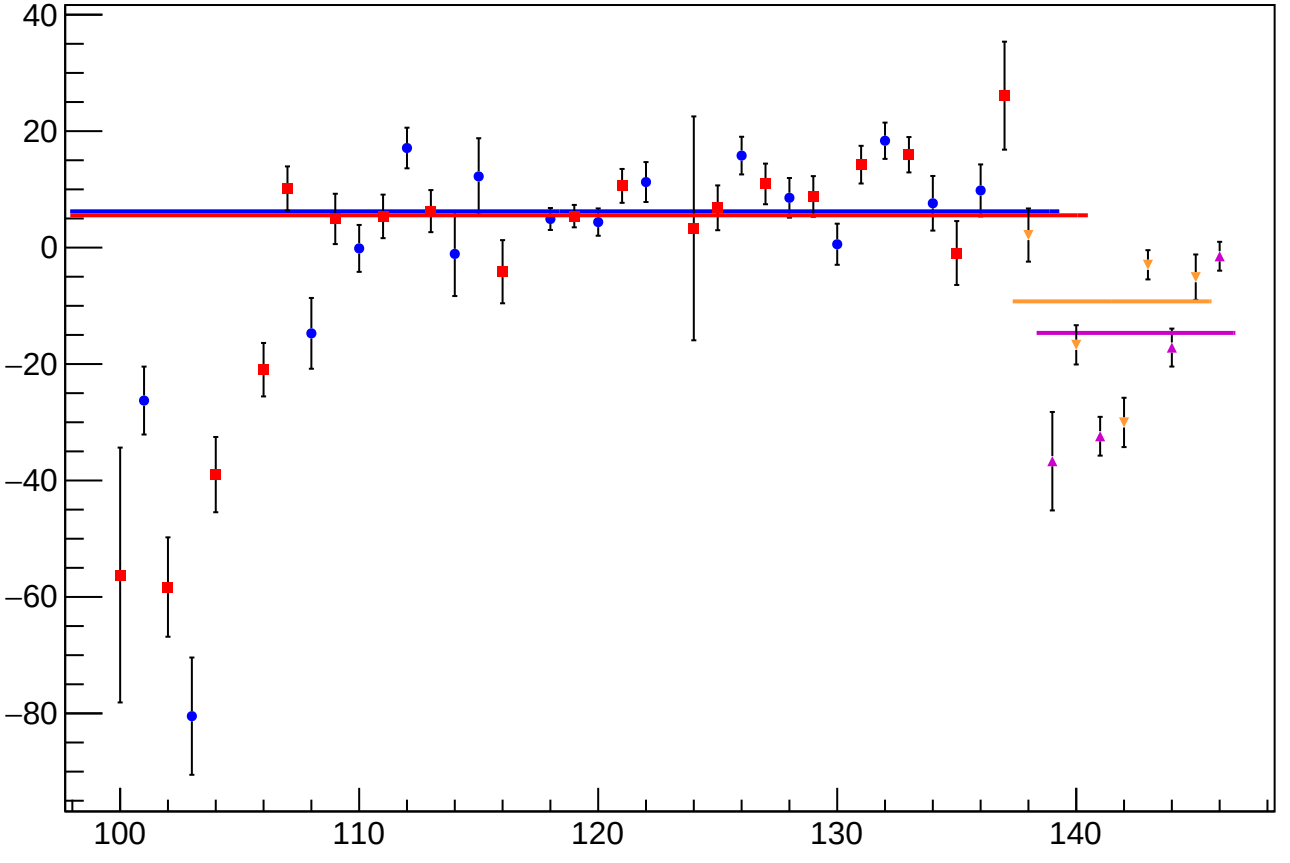
Left In: 253.655+/-2.256 χ^2/NDF:36.5/3

\+ sign 155.578+/-0.794 χ^2/NDF: 4986.9/20

All: 156.777+/-0.555 χ^2/NDF: 10029.0/43

\- sign 157.921+/-0.776 χ^2/NDF: 5037.7/22

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -9.237+/-1.551 χ^2/NDF:42.6/4

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

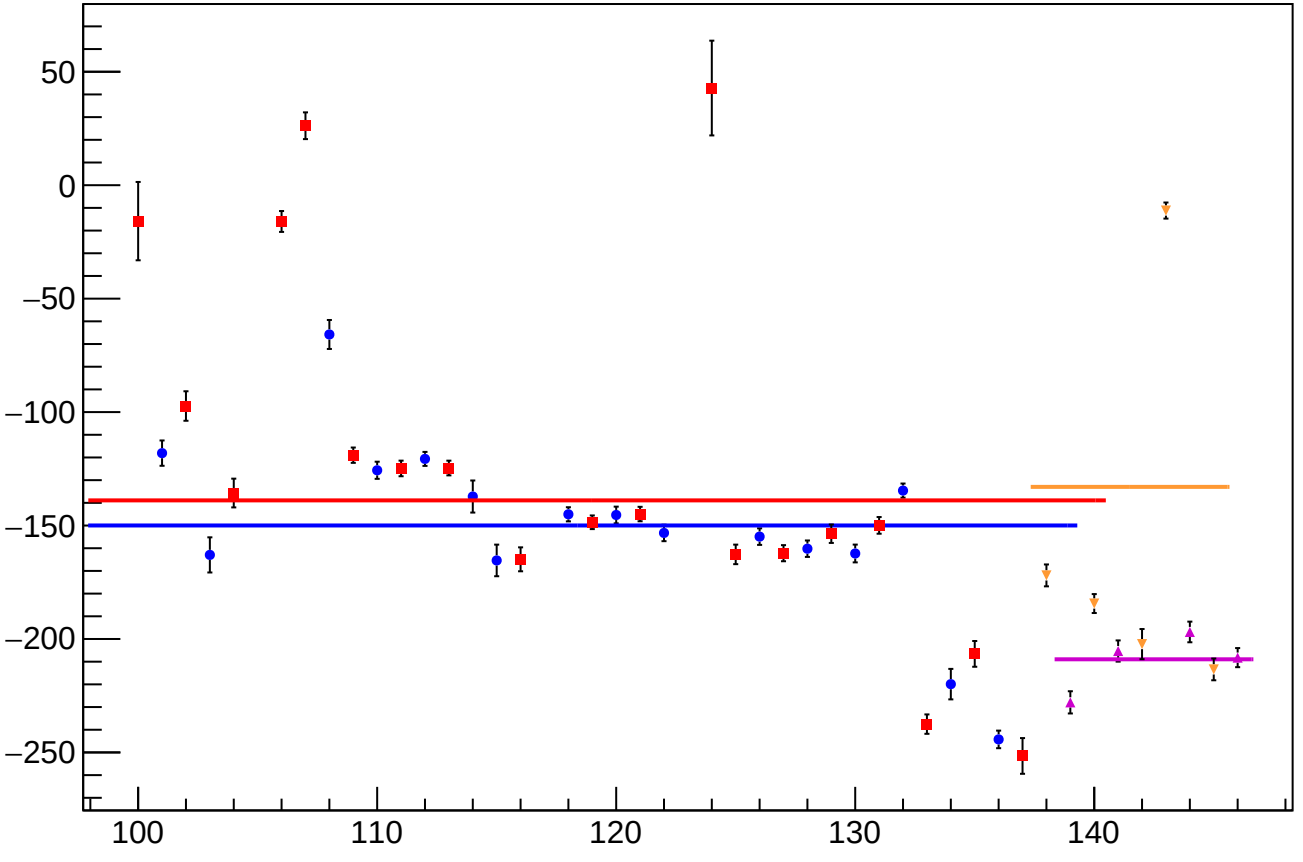
Left In: -14.651+/-1.664 χ^2/NDF:64.0/3

+ sign 2.398+/-0.772 χ^2/NDF: 279.5/20

All: 1.739+/-0.550 χ^2/NDF: 640.8/43

- sign 1.059+/-0.784 χ^2/NDF: 359.8/22

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -132.961+/-2.015 χ^2/NDF:1788.8/4

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

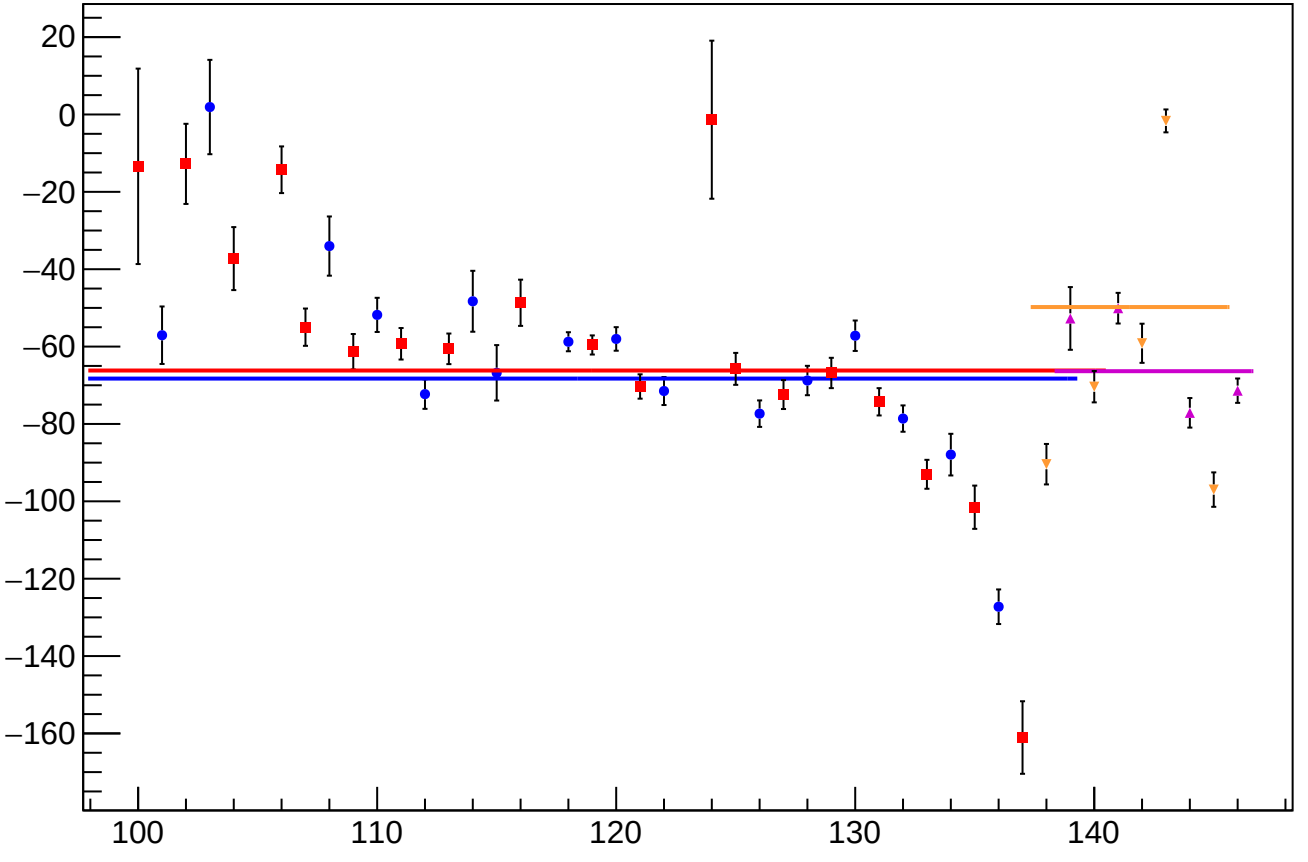
Left In: -208.955+/-2.280 χ^2/NDF:22.7/3

+ sign -146.472+/-0.914 χ^2/NDF: 2944.8/20

All: -148.285+/-0.645 χ^2/NDF: 6519.2/43

- sign -150.085+/-0.911 χ^2/NDF: 3566.5/22

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -49.781+/-1.823 χ^2/NDF:465.9/4

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

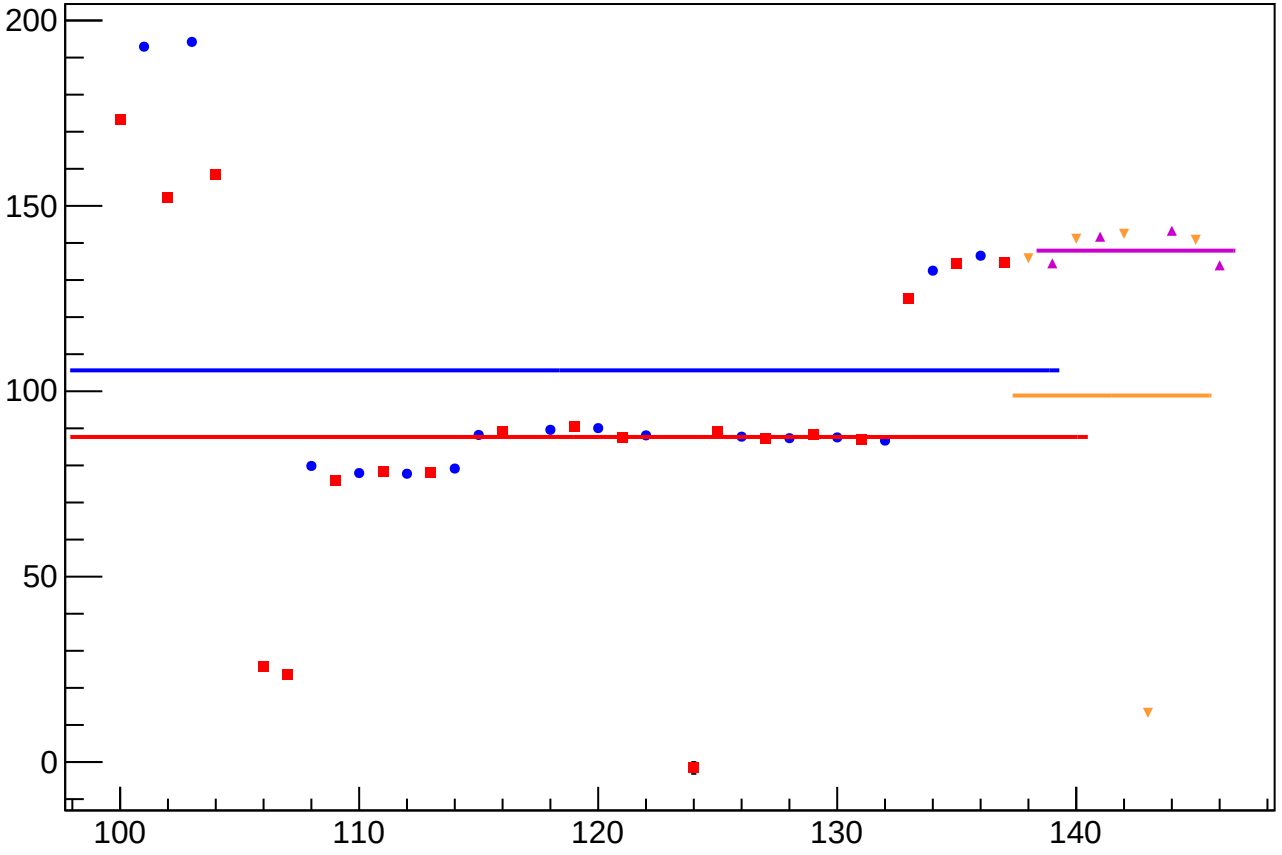
Left In: -66.361+/-2.007 χ^2/NDF:30.2/3

+ sign -63.776+/-0.899 χ^2/NDF: 859.2/20

All: -64.981+/-0.640 χ^2/NDF: 1251.4/43

- sign -66.222+/-0.912 χ^2/NDF: 388.6/22

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 98.851+/-0.084 χ^2/NDF:501156.0/4

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

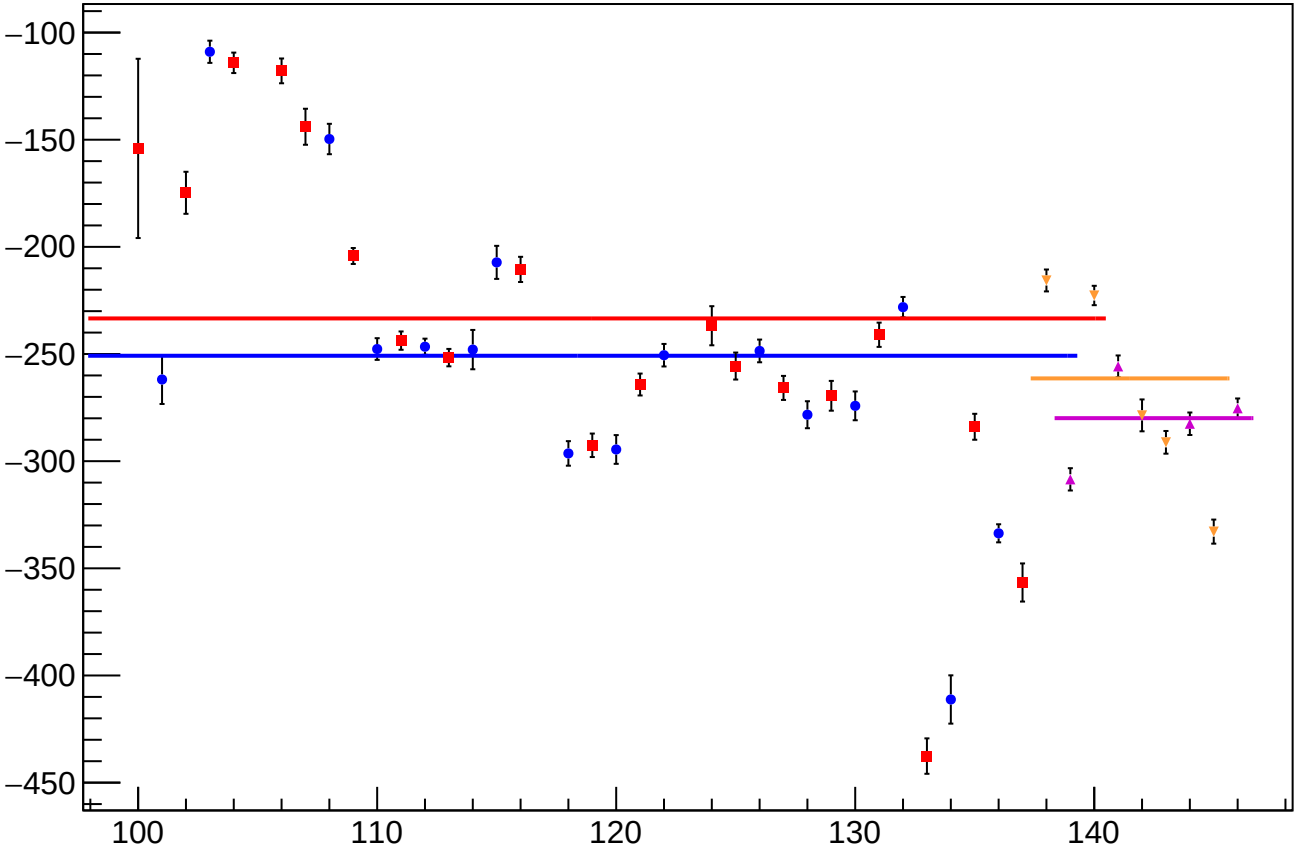
Left In: 137.928+/-0.093 χ^2/NDF:1941.3/3

\+ sign 102.805+/-0.054 χ^2/NDF: 744606.0/20

All: 103.548+/-0.038 χ^2/NDF: 1315168.4/43

\- sign 104.281+/-0.054 χ^2/NDF: 570187.0/22

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -261.379+/-2.406 χ^2/NDF:352.5/4

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

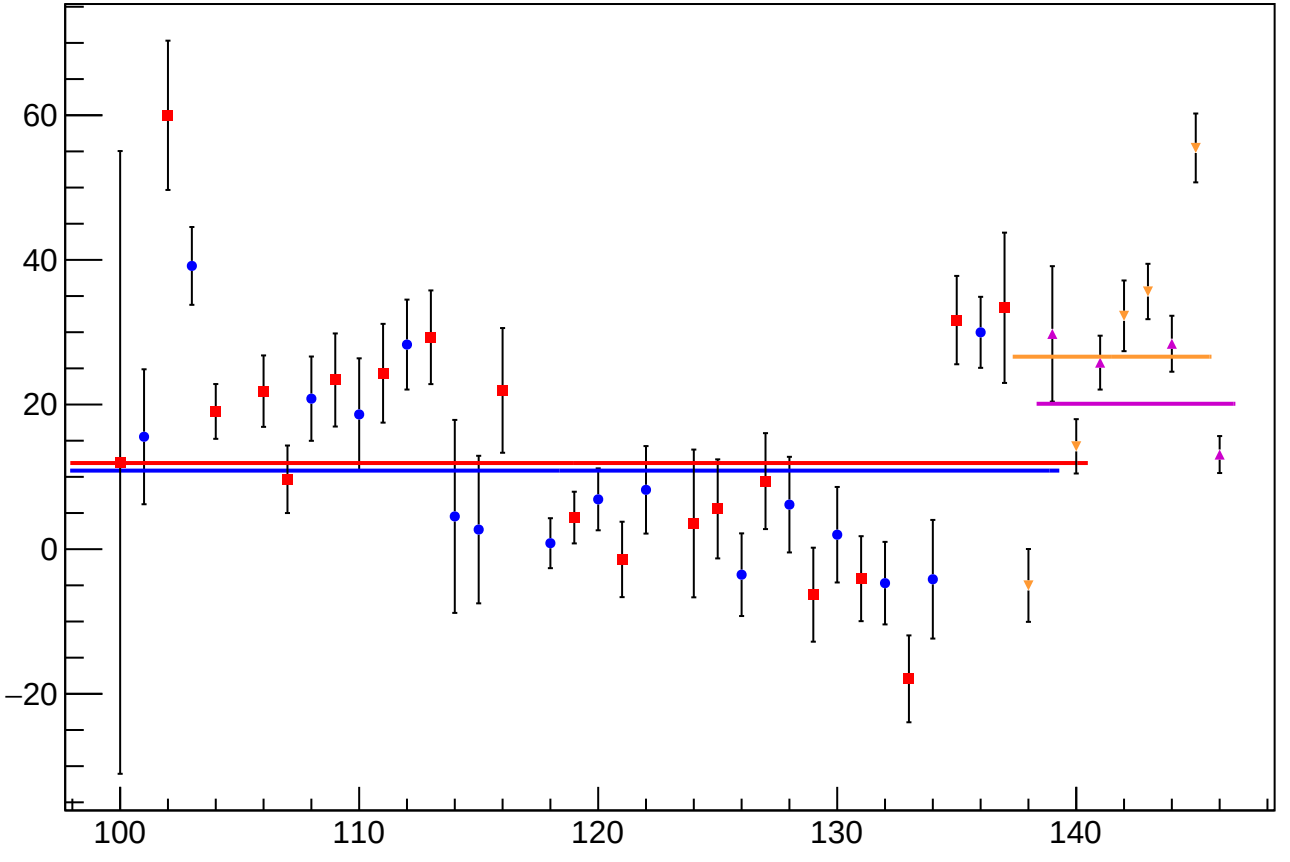
Left In: -279.929+/-2.506 χ^2/NDF:53.8/3

+ sign -253.593+/-1.234 χ^2/NDF: 2102.4/20

All: -248.391+/-0.852 χ^2/NDF: 4837.3/43

- sign -243.660+/-1.177 χ^2/NDF: 2701.0/22

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 26.615+/-1.944 χ^2/NDF:94.0/4

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

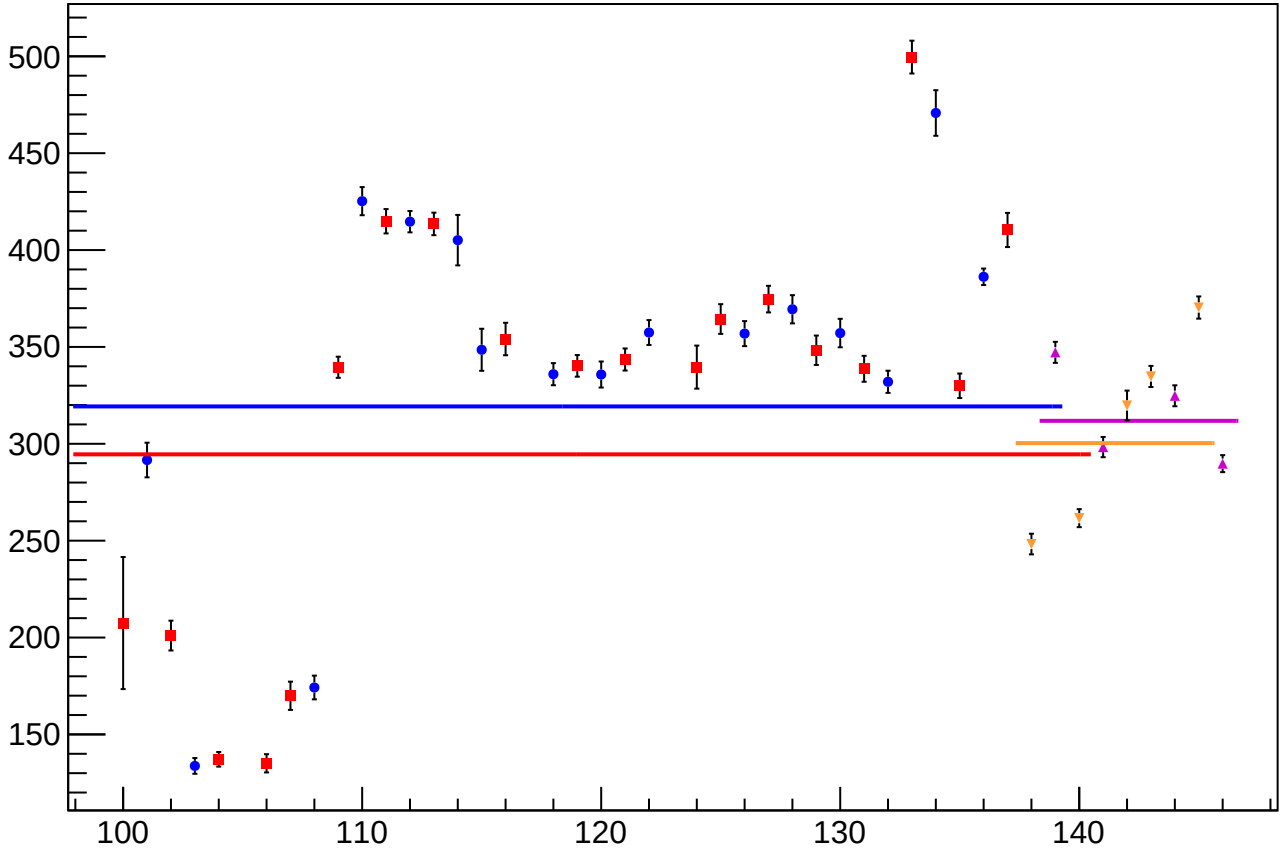
Left In: 20.106+/-1.815 χ^2/NDF:15.5/3

+ sign 16.596+/-1.173 χ^2/NDF: 220.4/20

All: 15.676+/-0.799 χ^2/NDF: 362.0/43

- sign 14.879+/-1.092 χ^2/NDF: 140.5/22

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 300.357+/-2.479 χ^2/NDF:360.6/4

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

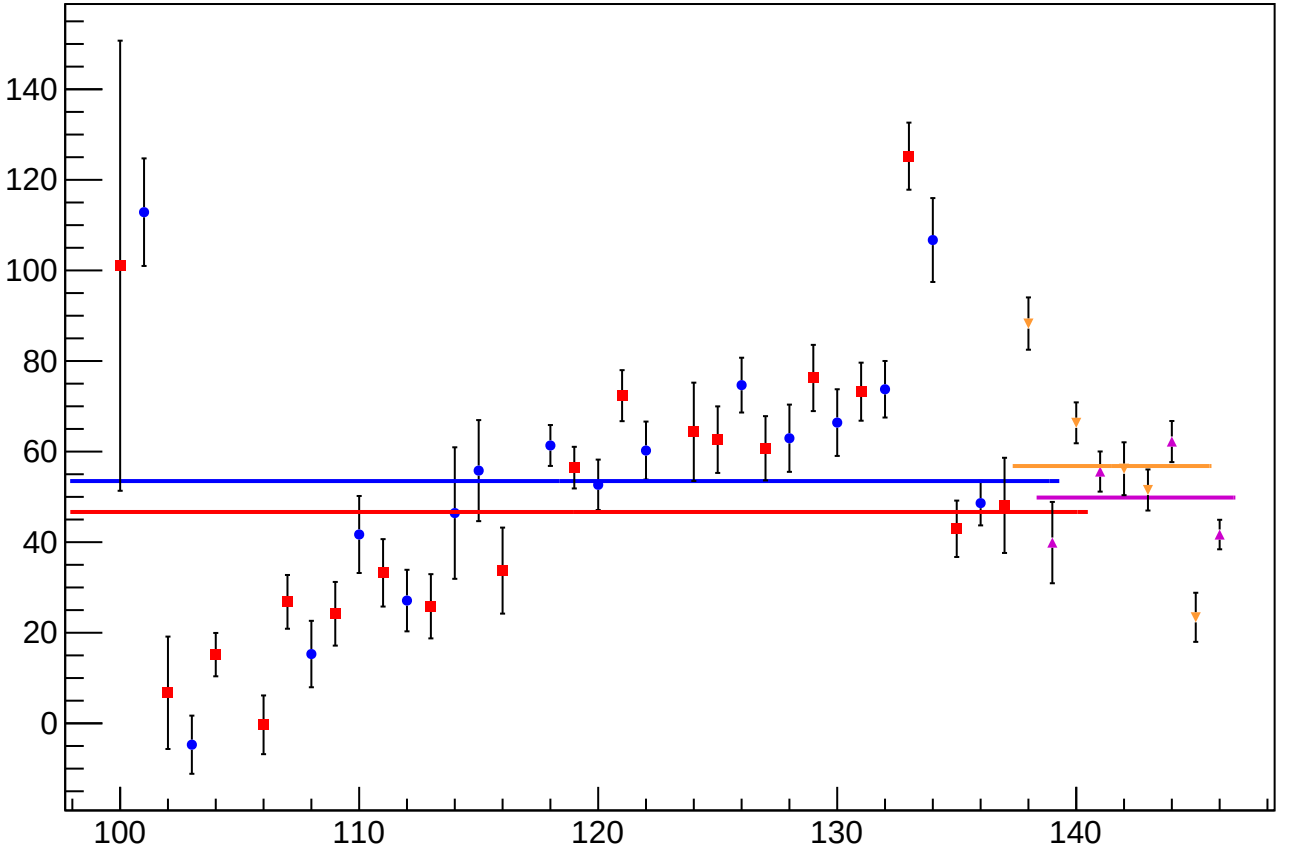
Left In: 311.855+/-2.526 χ^2/NDF:80.3/3

+ sign 313.793+/-1.336 χ^2/NDF: 4195.0/20

All: 306.063+/-0.923 χ^2/NDF: 9877.4/43

- sign 298.992+/-1.278 χ^2/NDF: 5618.3/22

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 56.810+/-2.288 χ^2/NDF:73.5/4

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

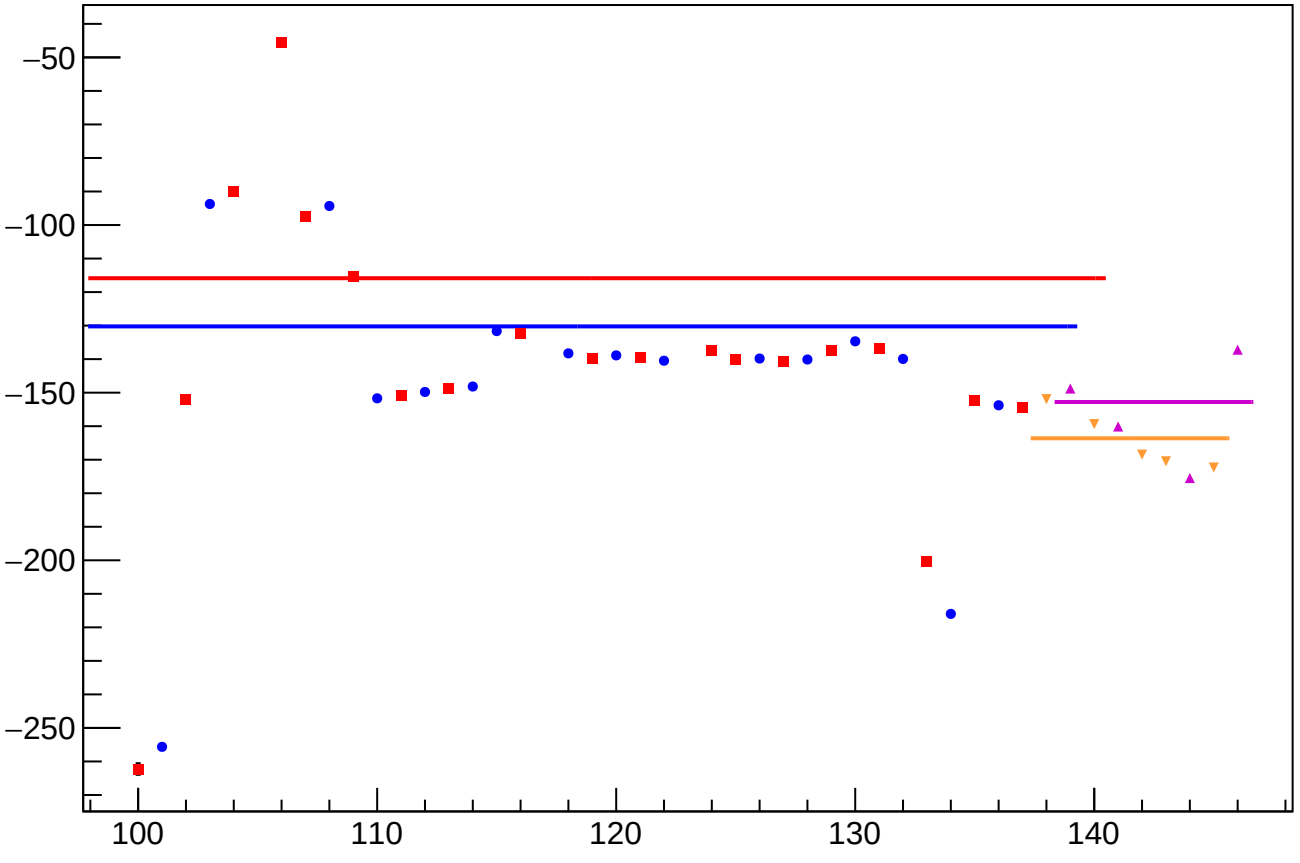
Left In: 49.851+/-2.203 χ^2/NDF:16.6/3

+ sign 54.672+/-1.364 χ^2/NDF: 292.1/20

All: 51.027+/-0.938 χ^2/NDF: 649.2/43

- sign 47.760+/-1.291 χ^2/NDF: 343.6/22

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -163.605+/-0.103 χ^2/NDF:6017.6/4

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

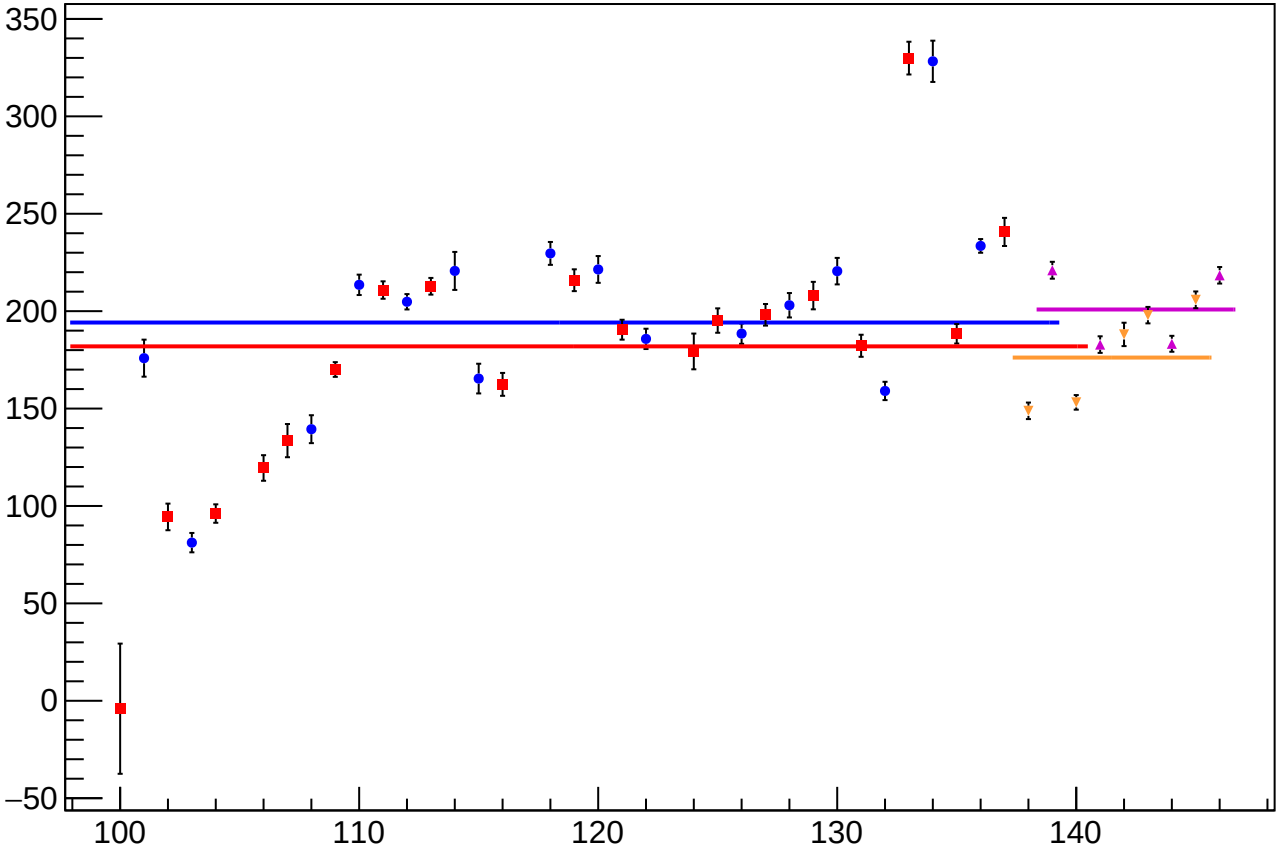
Left In: -152.781+/-0.103 χ^2/NDF:17212.3/3

+ sign -144.855+/-0.068 χ^2/NDF: 239029.1/20

All: -137.644+/-0.047 χ^2/NDF: 559302.5/43

- sign -130.911+/-0.066 χ^2/NDF: 298703.6/22

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 176.181+/-1.943 χ^2/NDF:157.3/4

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

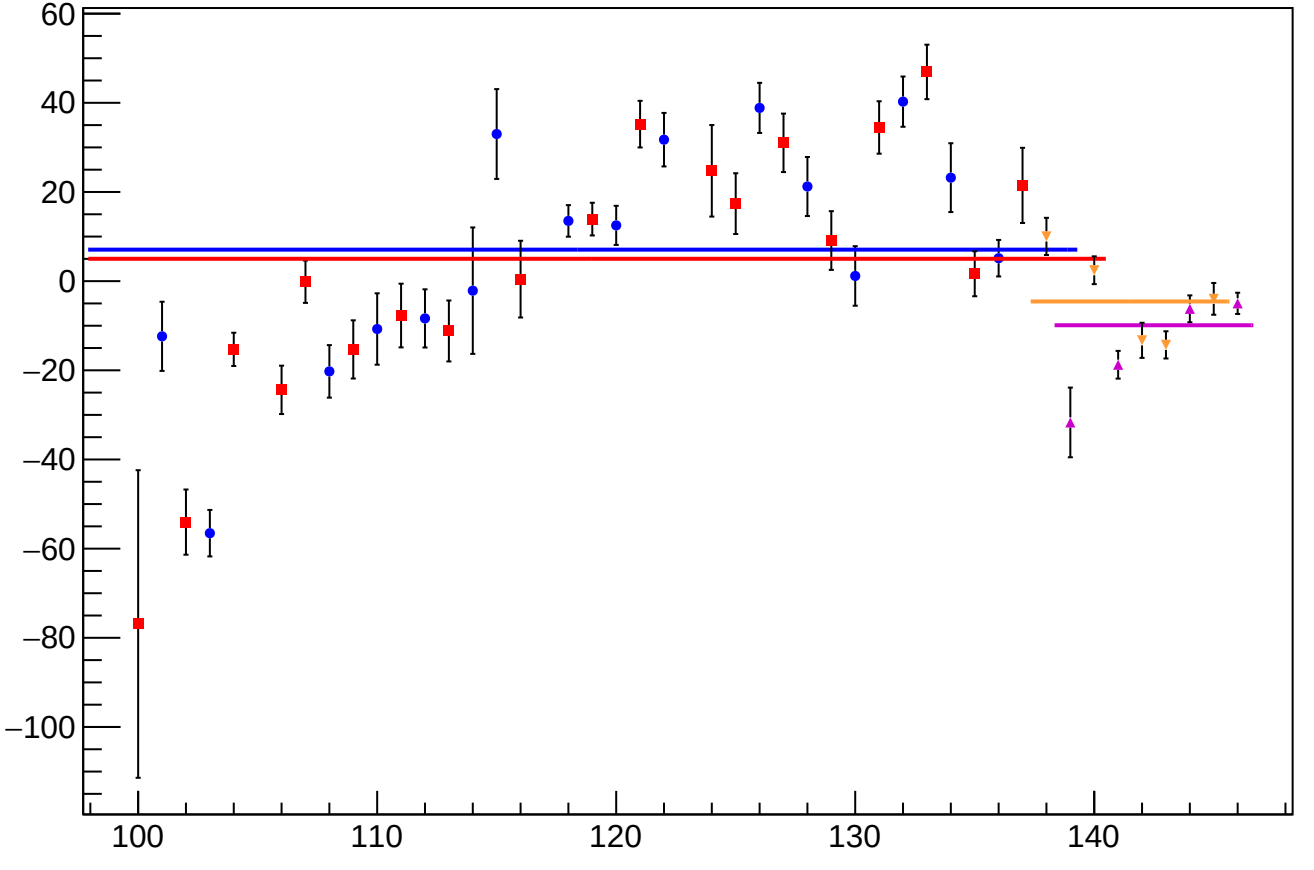
Left In: 200.855+/-2.113 χ^2/NDF:75.2/3

\+ sign 187.980+/-1.139 χ^2/NDF: 1248.7/20

All: 187.609+/-0.799 χ^2/NDF: 2586.6/43

\- sign 187.250+/-1.121 χ^2/NDF: 1337.7/22

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -4.557+/-1.560 χ^2/NDF:32.4/4

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

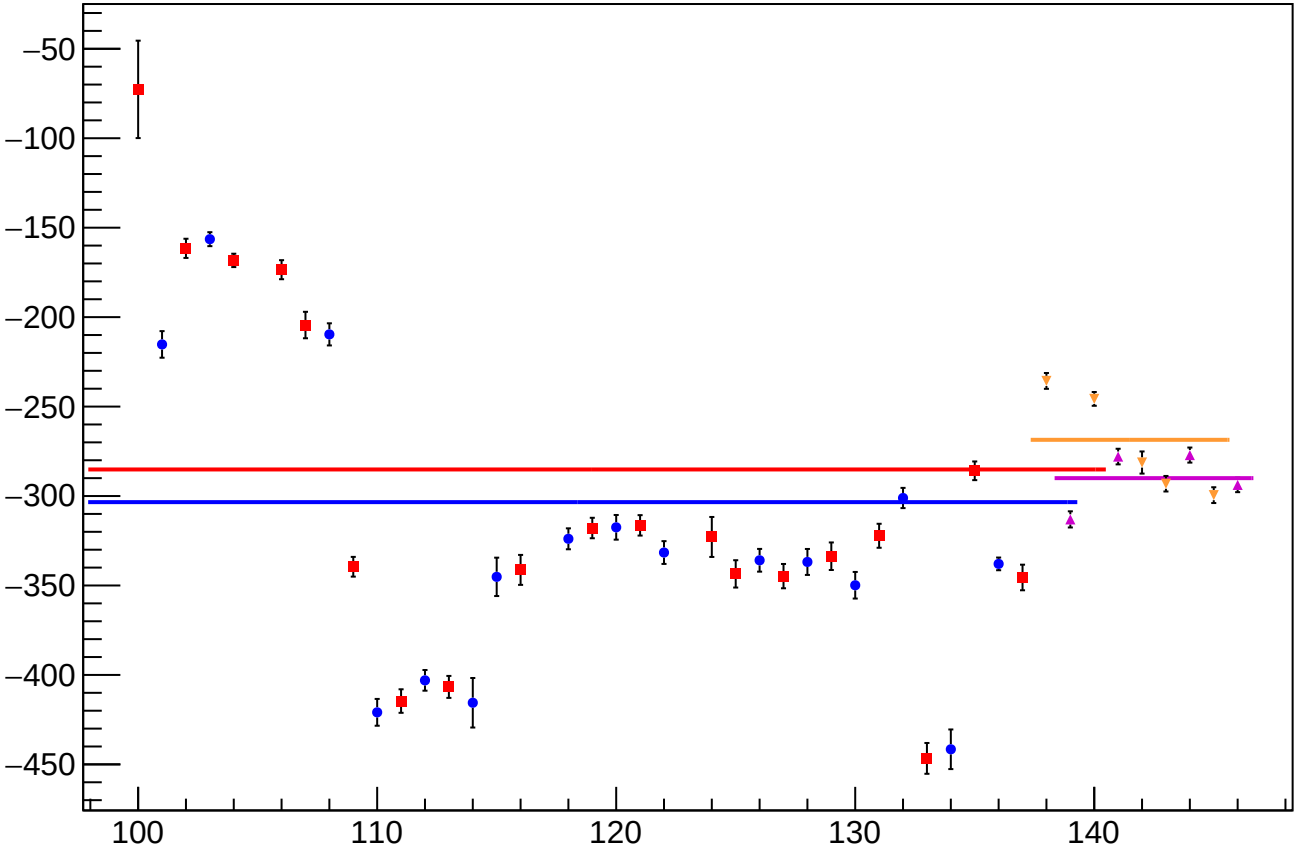
Left In: -9.893+/-1.570 χ^2/NDF:21.6/3

+ sign 1.708+/-1.059 χ^2/NDF: 354.9/20

All: 0.130+/-0.737 χ^2/NDF: 721.0/43

- sign -1.349+/-1.026 χ^2/NDF: 361.9/22

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -268.577+/-2.004 χ^2/NDF:175.9/4

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

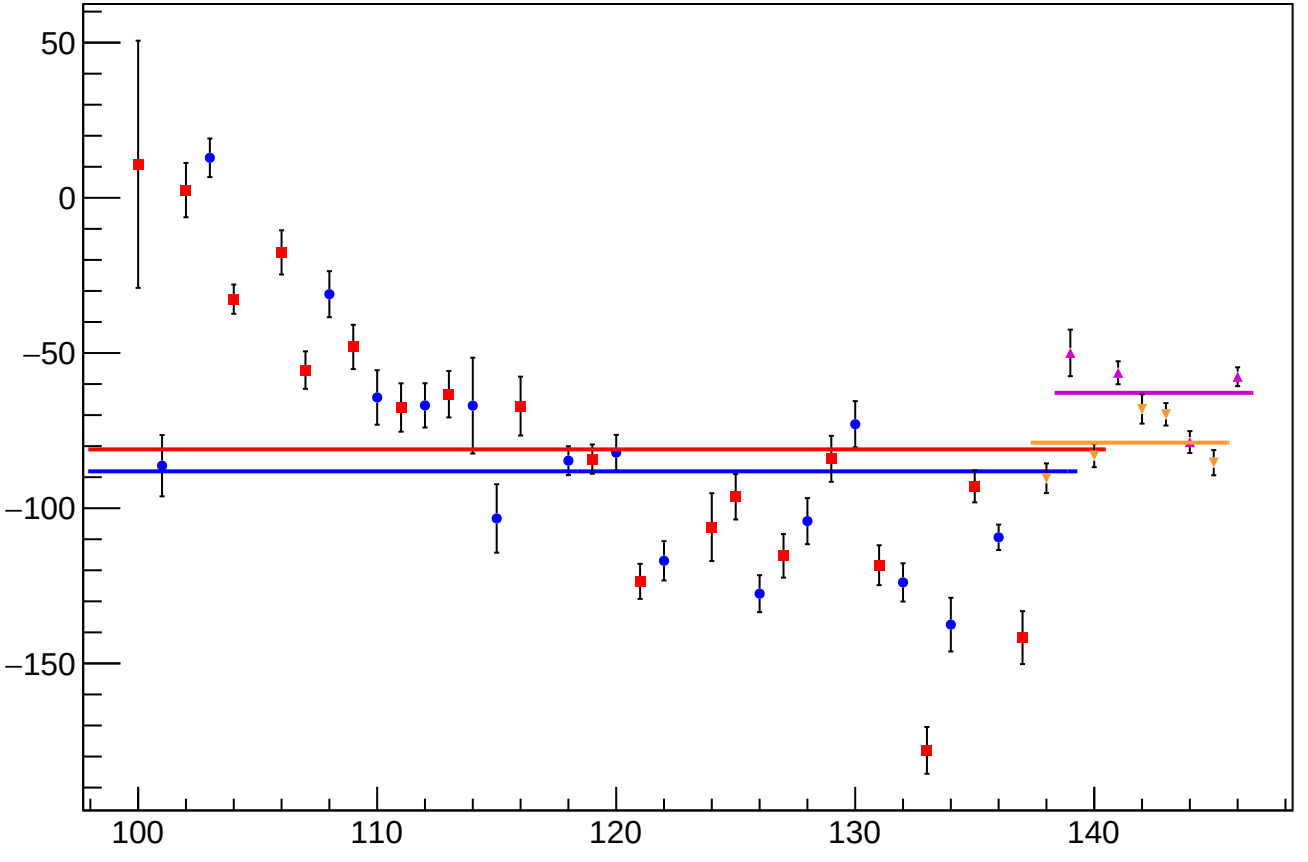
Left In: -289.997+/-2.139 χ^2/NDF:43.9/3

+ sign -290.582+/-1.216 χ^2/NDF: 3152.2/20

All: -288.604+/-0.854 χ^2/NDF: 6959.7/43

- sign -286.676+/-1.201 χ^2/NDF: 3802.3/22

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -78.874+/-1.835 χ^2/NDF:21.2/4

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

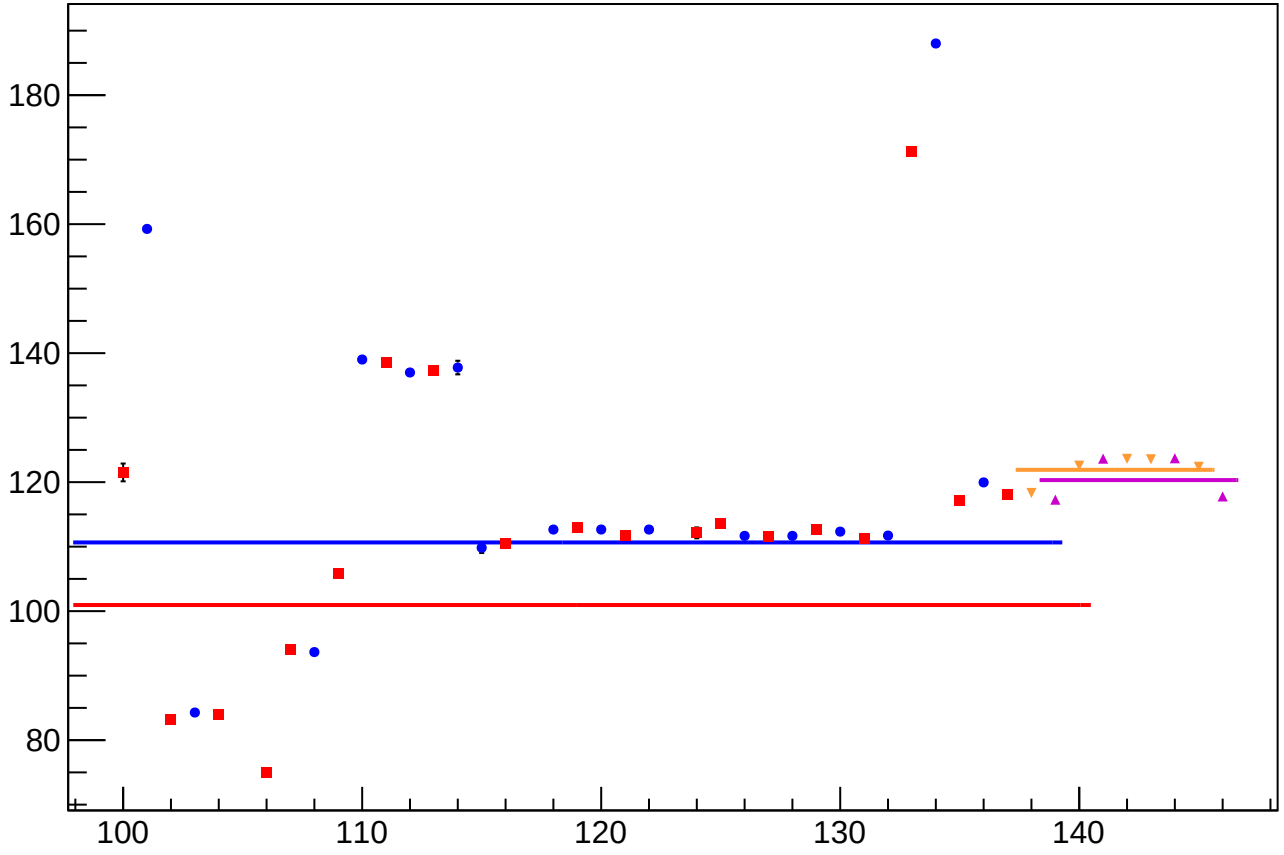
Left In: -62.830+/-1.891 χ^2/NDF:29.0/3

+ sign -83.971+/-1.229 χ^2/NDF: 547.1/20

All: -78.705+/-0.861 χ^2/NDF: 1344.7/43

- sign -73.621+/-1.207 χ^2/NDF: 761.5/22

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 121.910+/-0.083 χ^2/NDF:554.4/4

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

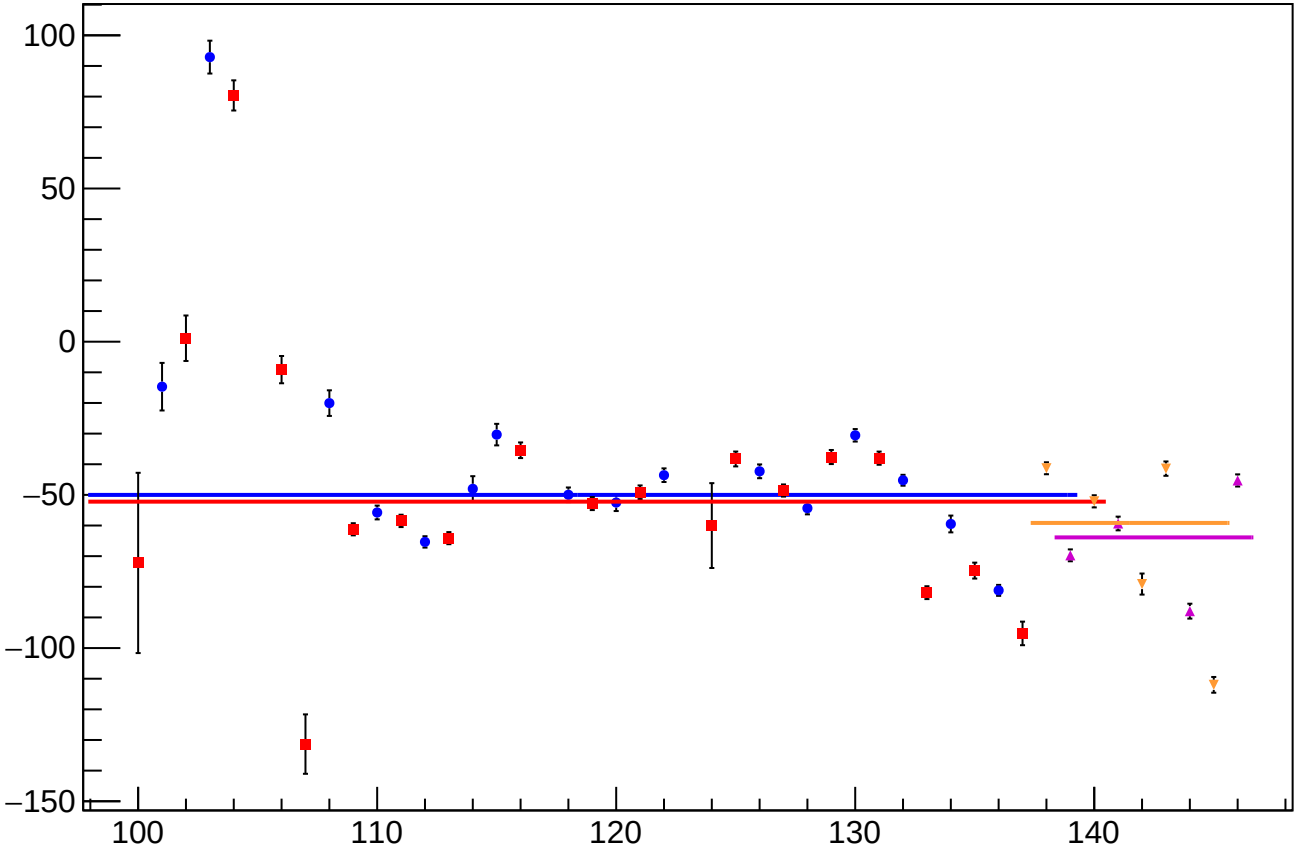
Left In: 120.320+/-0.087 χ^2/NDF:1232.1/3

+ sign 116.451+/-0.060 χ^2/NDF: 92943.7/20

All: 113.150+/-0.042 χ^2/NDF: 188651.3/43

- sign 109.885+/-0.059 χ^2/NDF: 89637.2/22

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -59.155+/-1.036 χ^2/NDF:608.8/4

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

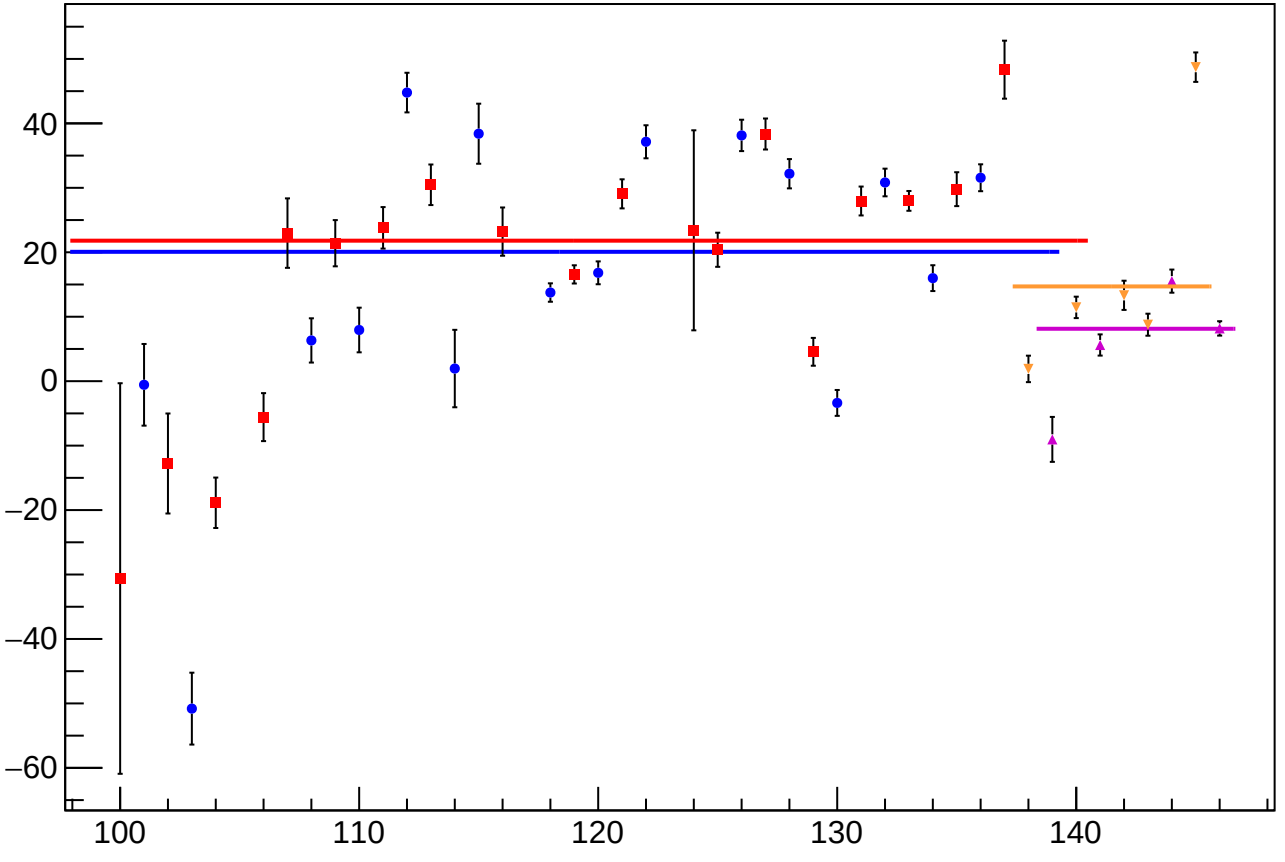
Left In: -63.879+/-1.061 χ^2/NDF:198.9/3

\+ sign -52.363+/-0.526 χ^2/NDF: 1994.0/20

All: -53.716+/-0.372 χ^2/NDF: 3867.7/43

\- sign -55.069+/-0.526 χ^2/NDF: 1860.4/22

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 14.700+/-0.868 χ^2/NDF:276.7/4

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

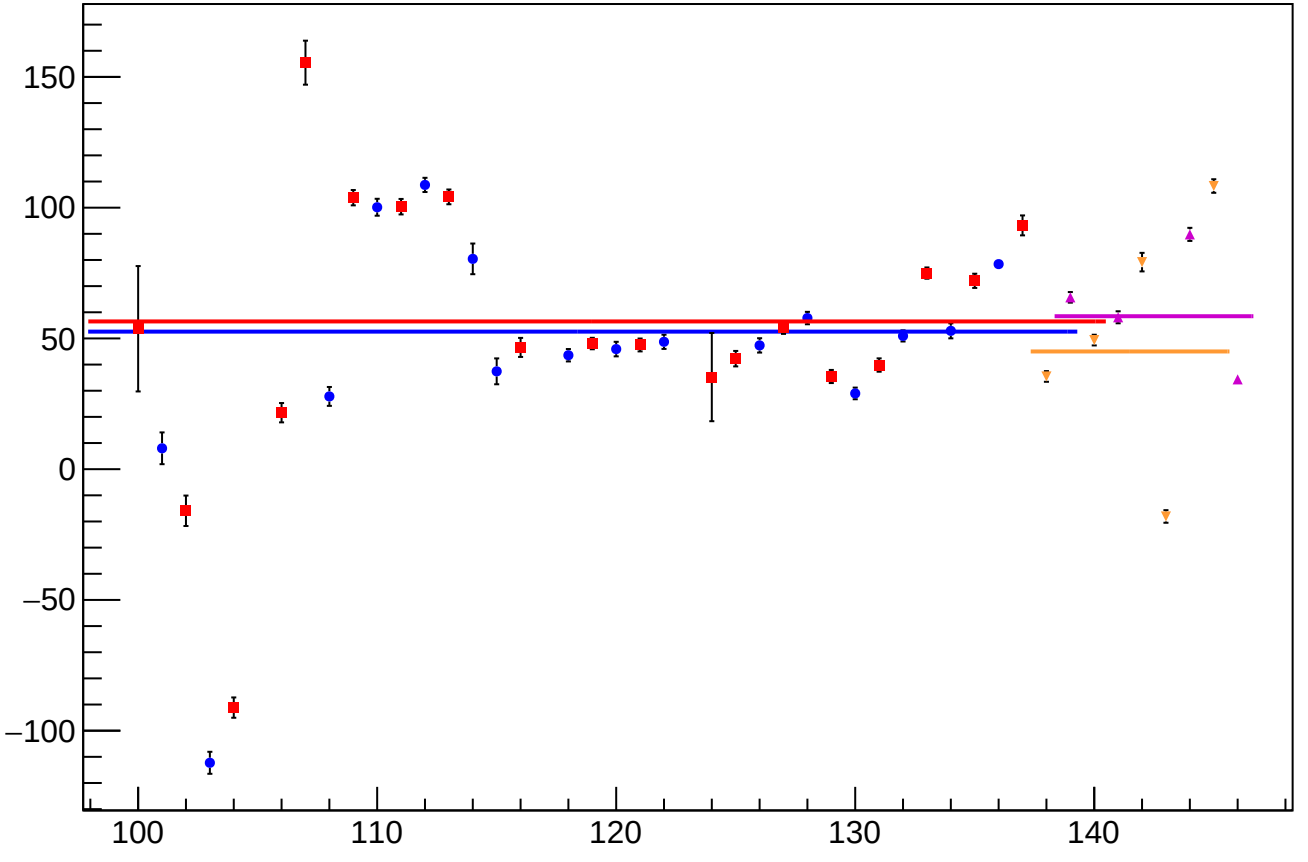
Left In: 8.132+/-0.799 χ^2/NDF:43.5/3

+ sign 18.288+/-0.500 χ^2/NDF: 938.5/20

All: 17.451+/-0.350 χ^2/NDF: 1566.0/43

- sign 16.645+/-0.491 χ^2/NDF: 622.0/22

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 45.017+/-1.067 χ^2/NDF:1398.3/4

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

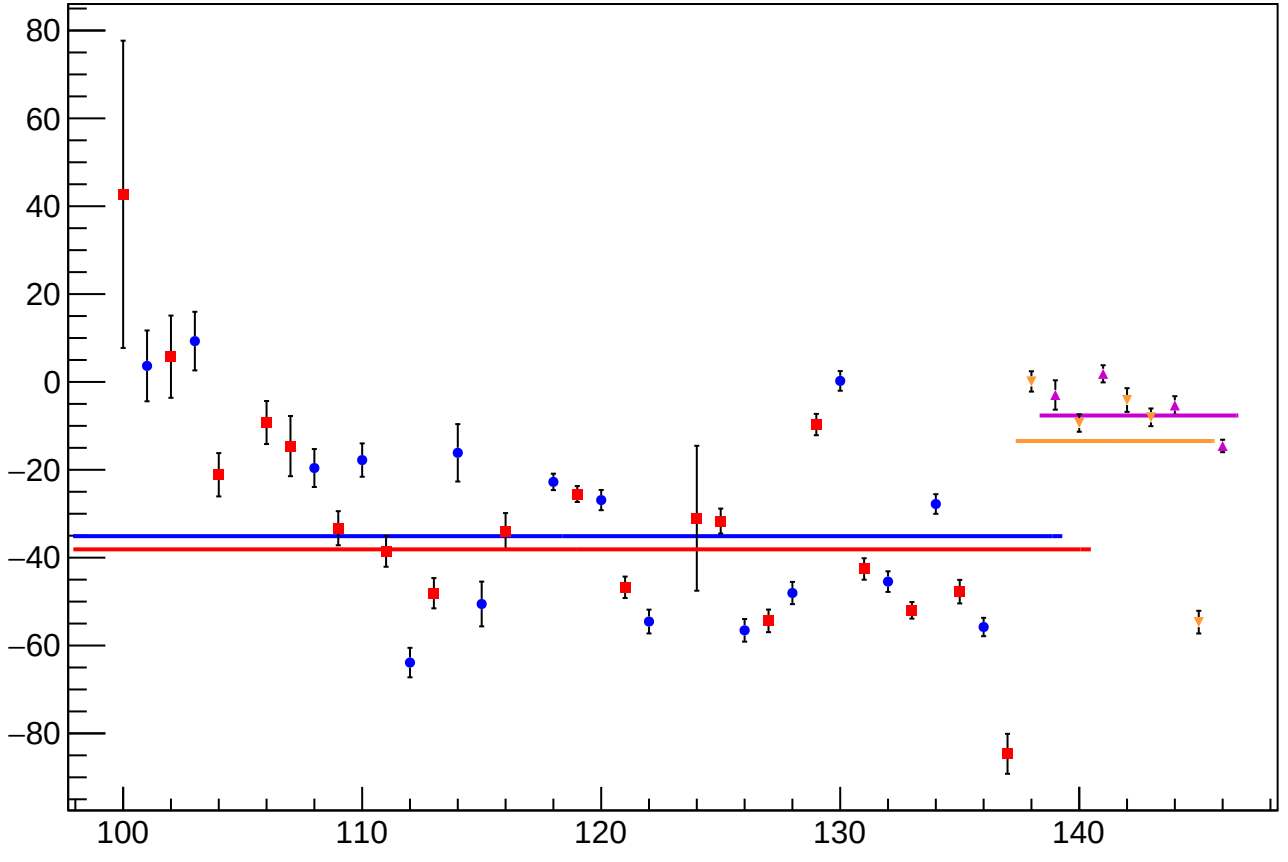
Left In: 58.493+/-1.072 χ^2/NDF:330.2/3

\+ sign 50.337+/-0.583 χ^2/NDF: 4093.2/20

All: 53.683+/-0.414 χ^2/NDF: 7458.0/43

\- sign 57.101+/-0.589 χ^2/NDF: 3298.2/22

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -13.450+/-1.014 χ^2/NDF:312.5/4

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

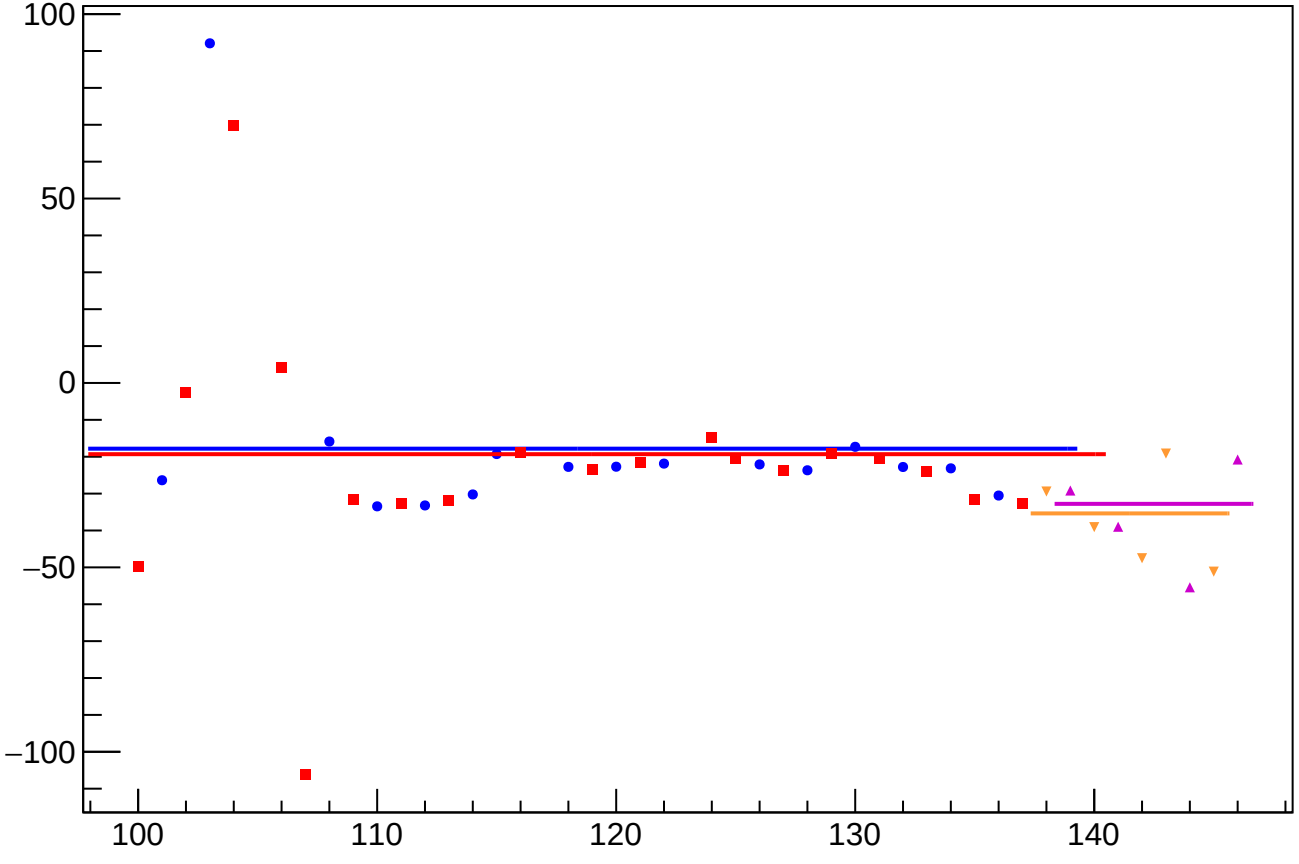
Left In: -7.642+/-0.966 χ^2/NDF:50.5/3

+ sign -28.114+/-0.576 χ^2/NDF: 1394.5/20

All: -27.726+/-0.407 χ^2/NDF: 2604.3/43

- sign -27.341+/-0.574 χ^2/NDF: 1208.9/22

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -35.369+/-0.044 χ^2/NDF:64256.2/4

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

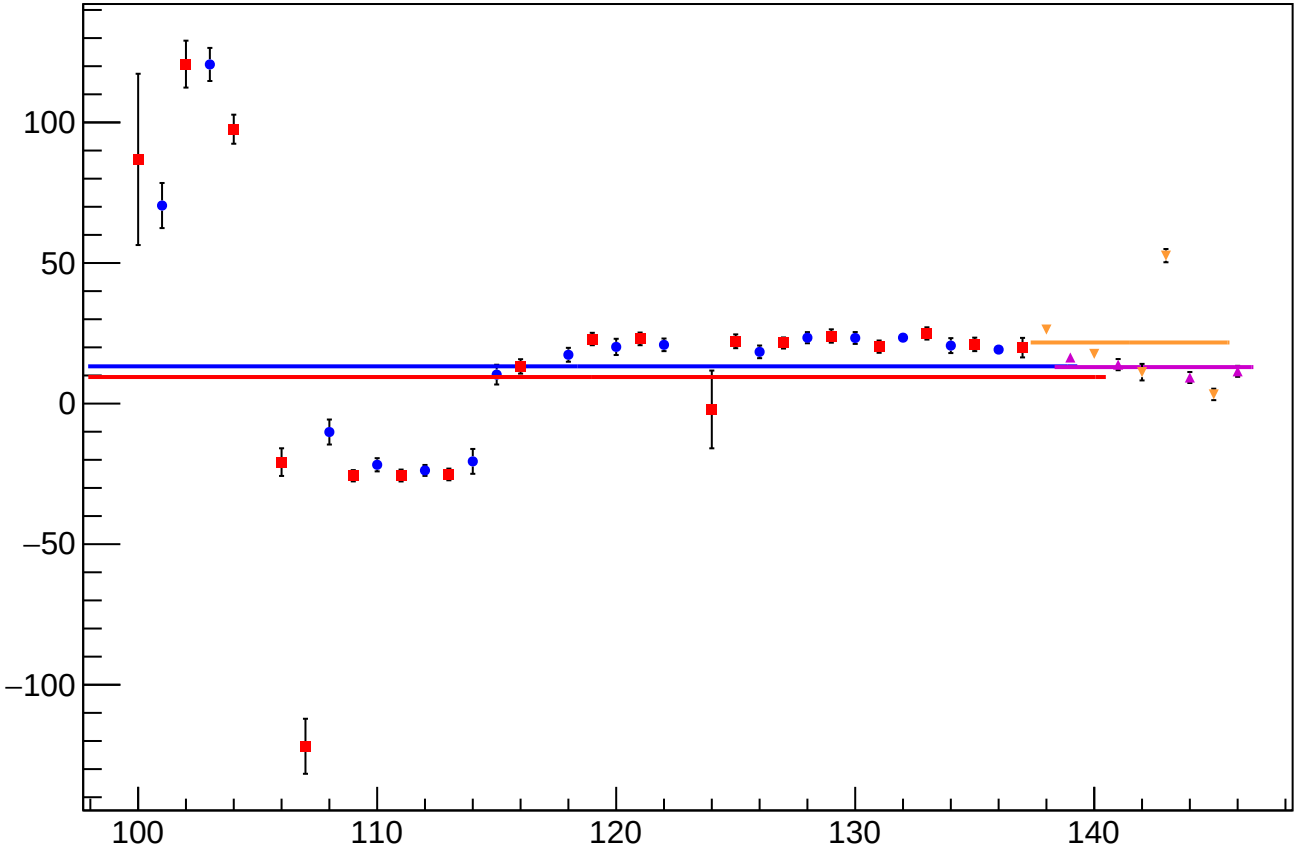
Left In: -32.779+/-0.043 χ^2/NDF:69075.5/3

+ sign -26.455+/-0.031 χ^2/NDF: 571486.2/20

All: -26.467+/-0.022 χ^2/NDF: 1030639.6/43

- sign -26.479+/-0.032 χ^2/NDF: 459153.0/22

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 21.734+/-0.922 χ^2/NDF:278.4/4

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

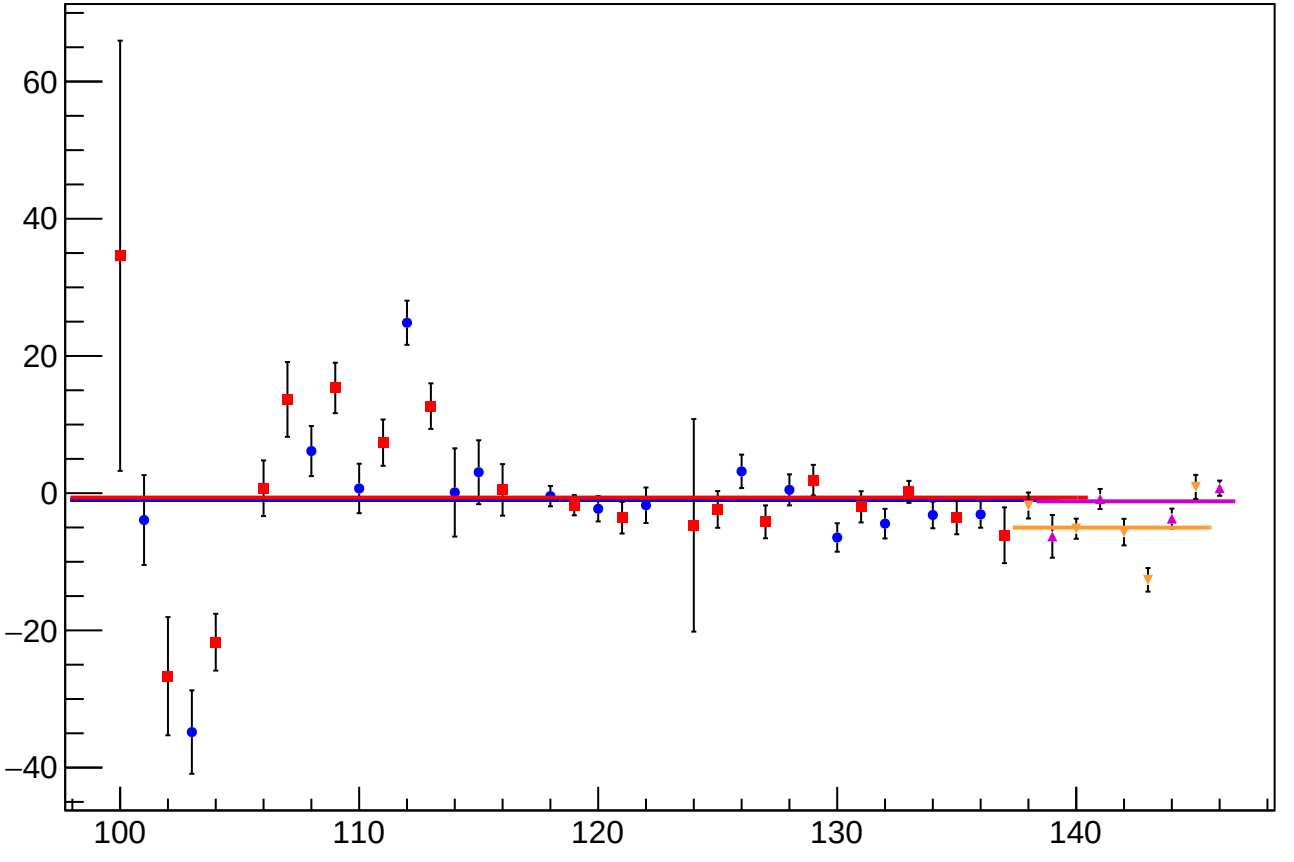
Left In: 12.985+/-0.948 χ^2/NDF:8.3/3

+ sign 15.860+/-0.511 χ^2/NDF: 1519.4/20

All: 13.202+/-0.363 χ^2/NDF: 3428.6/43

- sign 10.498+/-0.516 χ^2/NDF: 1854.7/22

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -5.017+/-0.773 χ^2/NDF:34.1/4

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

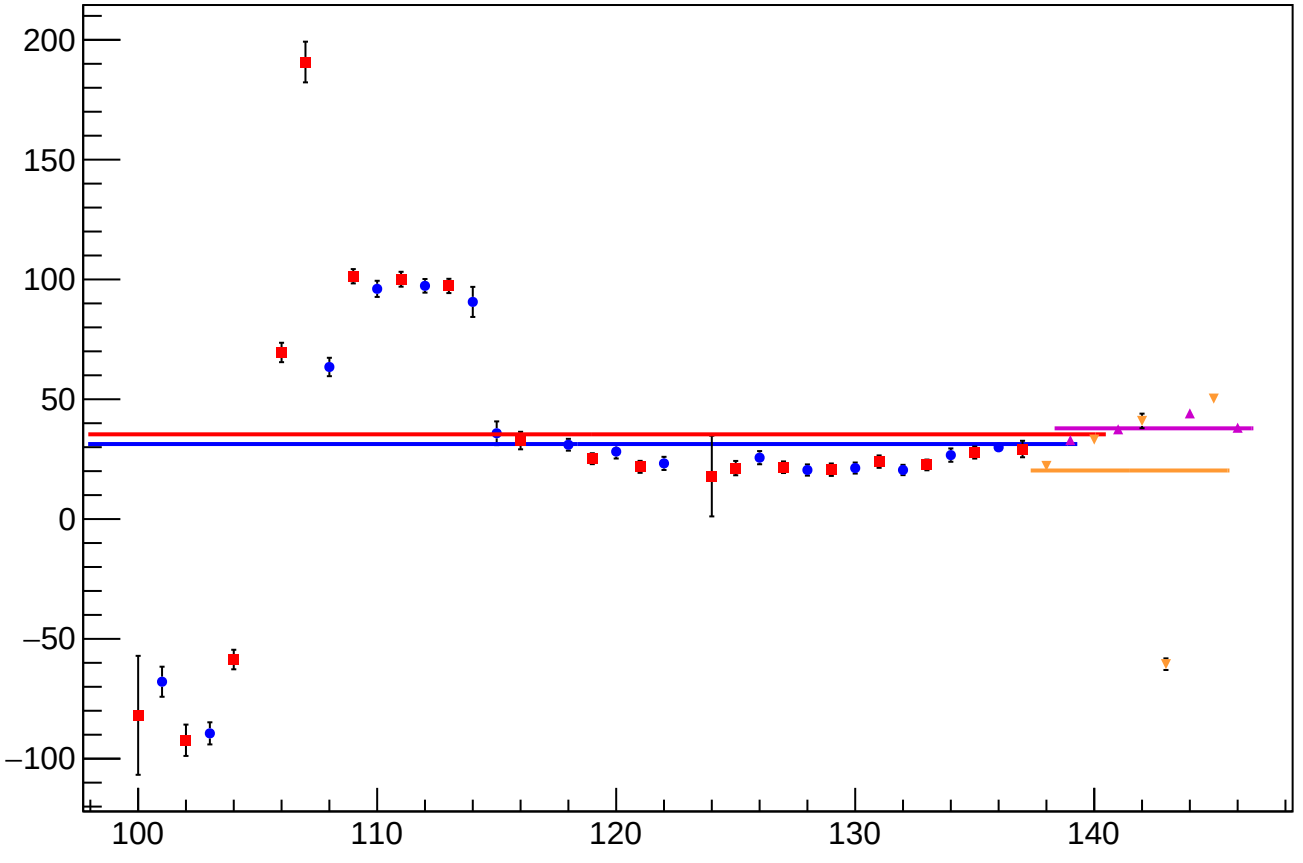
Left In: -1.190+/-0.732 χ^2/NDF:8.8/3

+ sign -2.566+/-0.483 χ^2/NDF: 166.9/20

All: -1.717+/-0.341 χ^2/NDF: 276.4/43

- sign -0.879+/-0.480 χ^2/NDF: 103.3/22

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 20.271+/-0.951 χ^2/NDF:1417.1/4

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

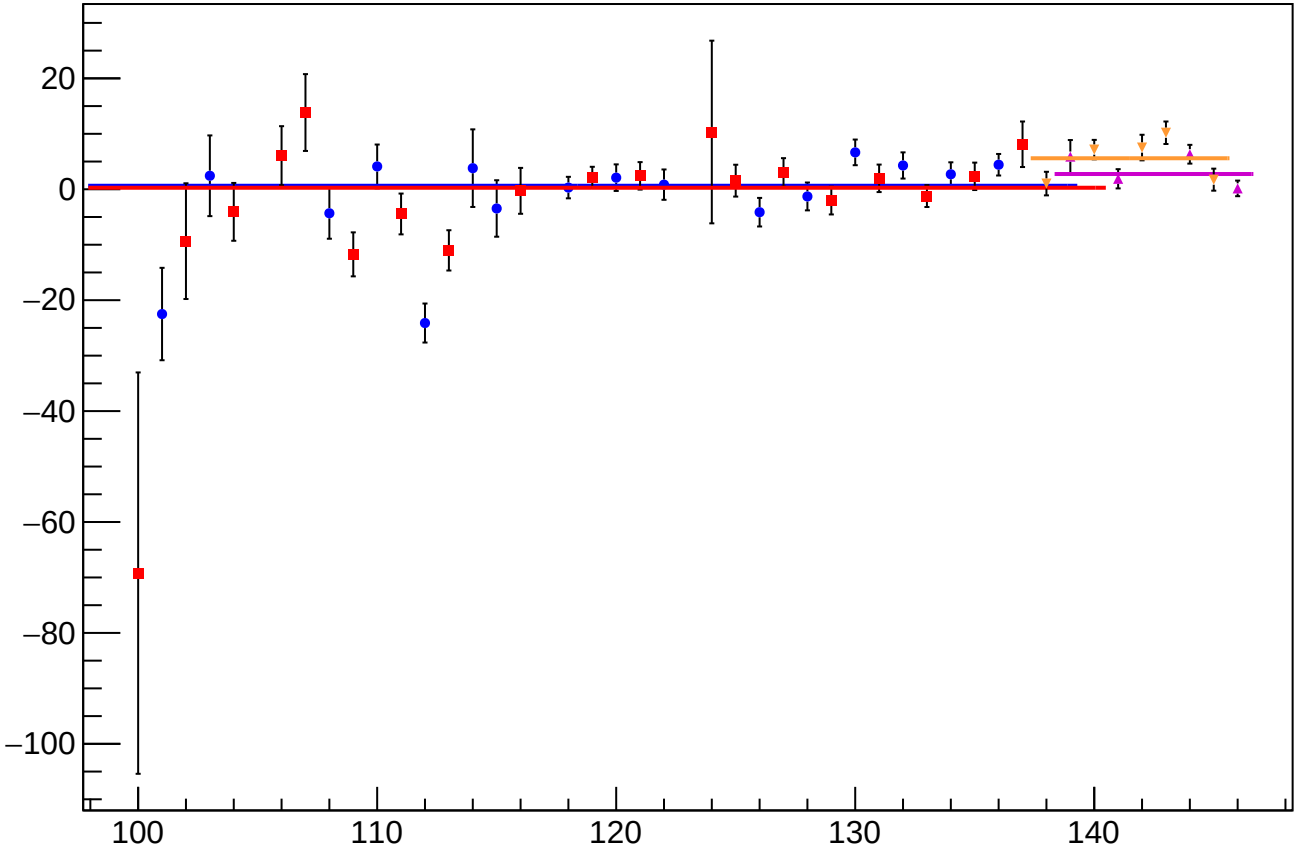
Left In: 37.864+/-0.961 χ^2/NDF:17.2/3

+ sign 27.428+/-0.564 χ^2/NDF: 3590.3/20

All: 31.758+/-0.403 χ^2/NDF: 6629.8/43

- sign 36.260+/-0.575 χ^2/NDF: 2919.2/22

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 5.592+/-0.901 χ^2/NDF:15.0/4

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

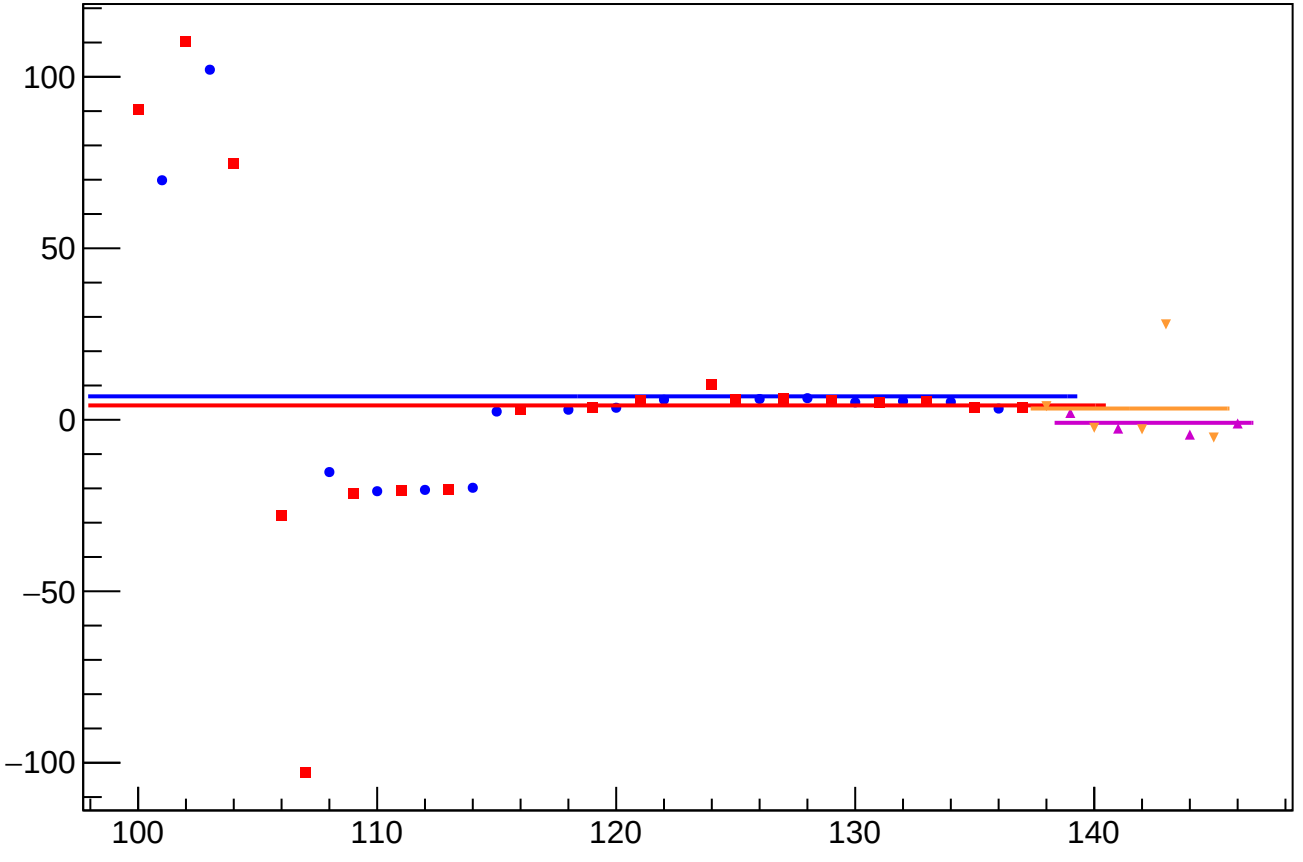
Left In: 2.752+/-0.877 χ^2/NDF:9.2/3

+ sign 2.513+/-0.555 χ^2/NDF: 112.2/20

All: 1.902+/-0.394 χ^2/NDF: 169.1/43

- sign 1.281+/-0.559 χ^2/NDF: 54.4/22

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 3.287+/-0.039 χ^2/NDF:77368.1/4

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

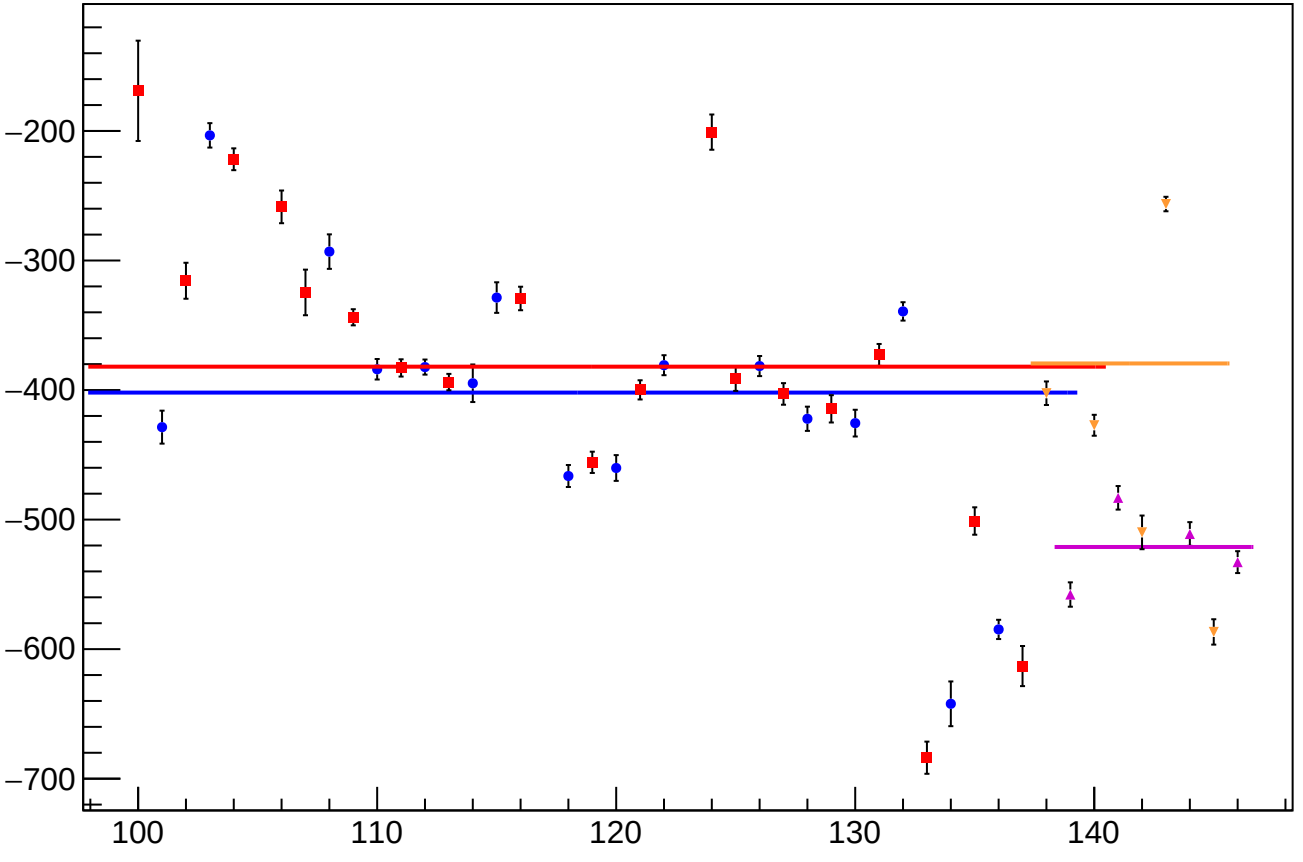
Left In: -0.880+/-0.039 χ^2/NDF:3890.2/3

+ sign 4.897+/-0.029 χ^2/NDF: 402075.8/20

All: 3.109+/-0.021 χ^2/NDF: 855483.7/43

- sign 1.210+/-0.030 χ^2/NDF: 445486.1/22

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -379.469+/-3.632 χ^2/NDF:1075.4/4

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

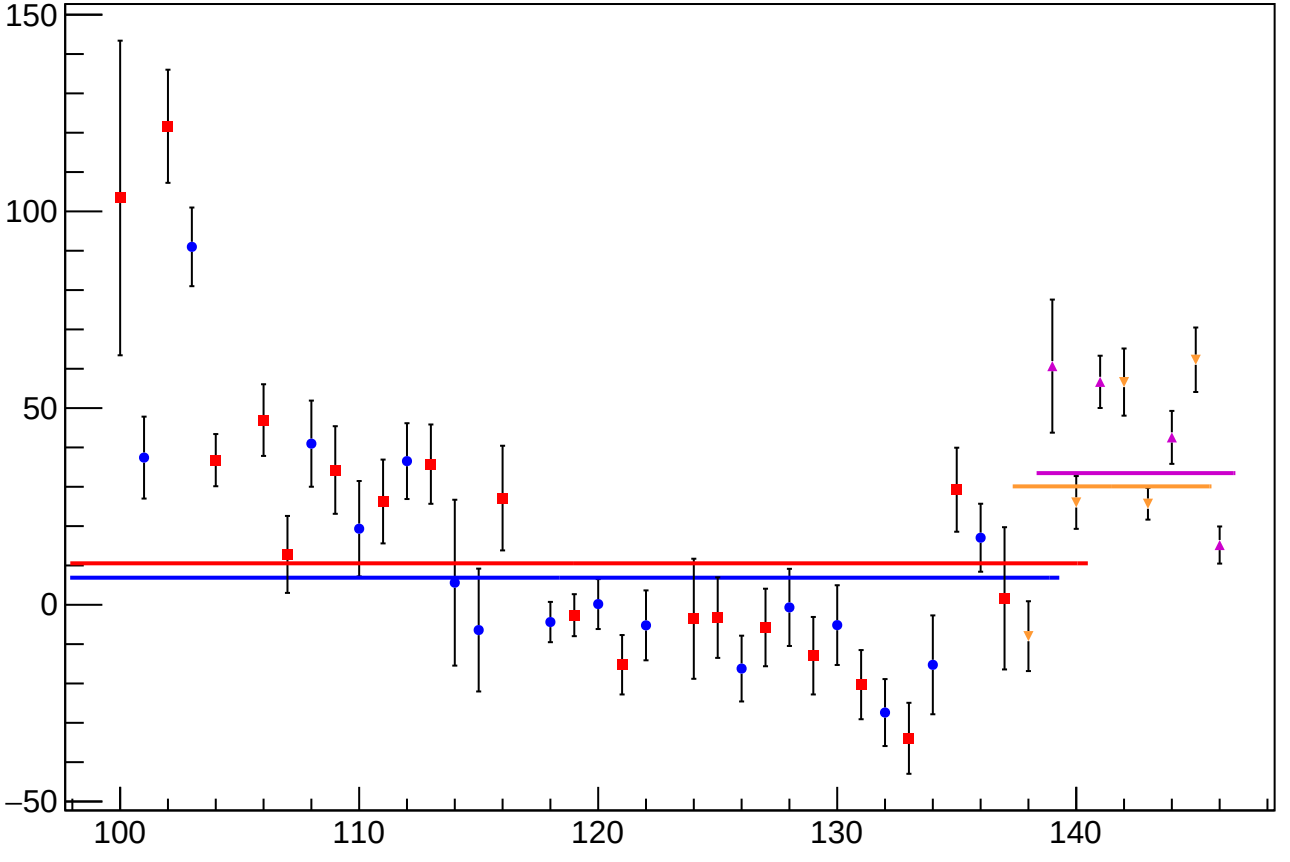
Left In: -521.139+/-4.500 χ^2/NDF:35.8/3

+ sign -395.779+/-1.904 χ^2/NDF: 2666.5/20

All: -401.498+/-1.352 χ^2/NDF: 5320.3/43

- sign -407.319+/-1.921 χ^2/NDF: 2635.6/22

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 30.101+/-2.833 χ^2/NDF:45.0/4

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

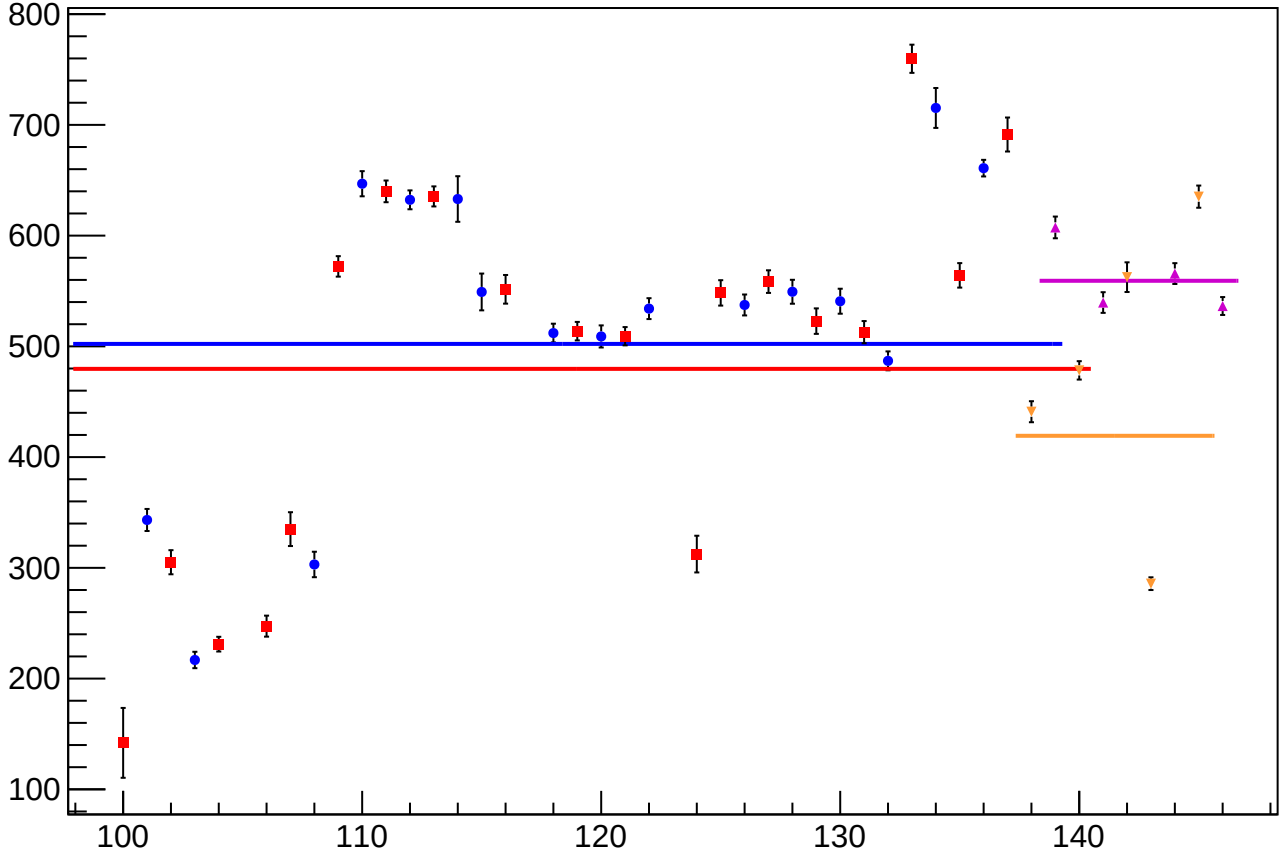
Left In: 33.473+/-3.277 χ^2/NDF:31.6/3

+ sign 15.937+/-1.769 χ^2/NDF: 224.4/20

All: 16.769+/-1.270 χ^2/NDF: 470.3/43

- sign 17.655+/-1.825 χ^2/NDF: 245.4/22

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 419.238+/-3.741 χ^2/NDF:1175.0/4

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

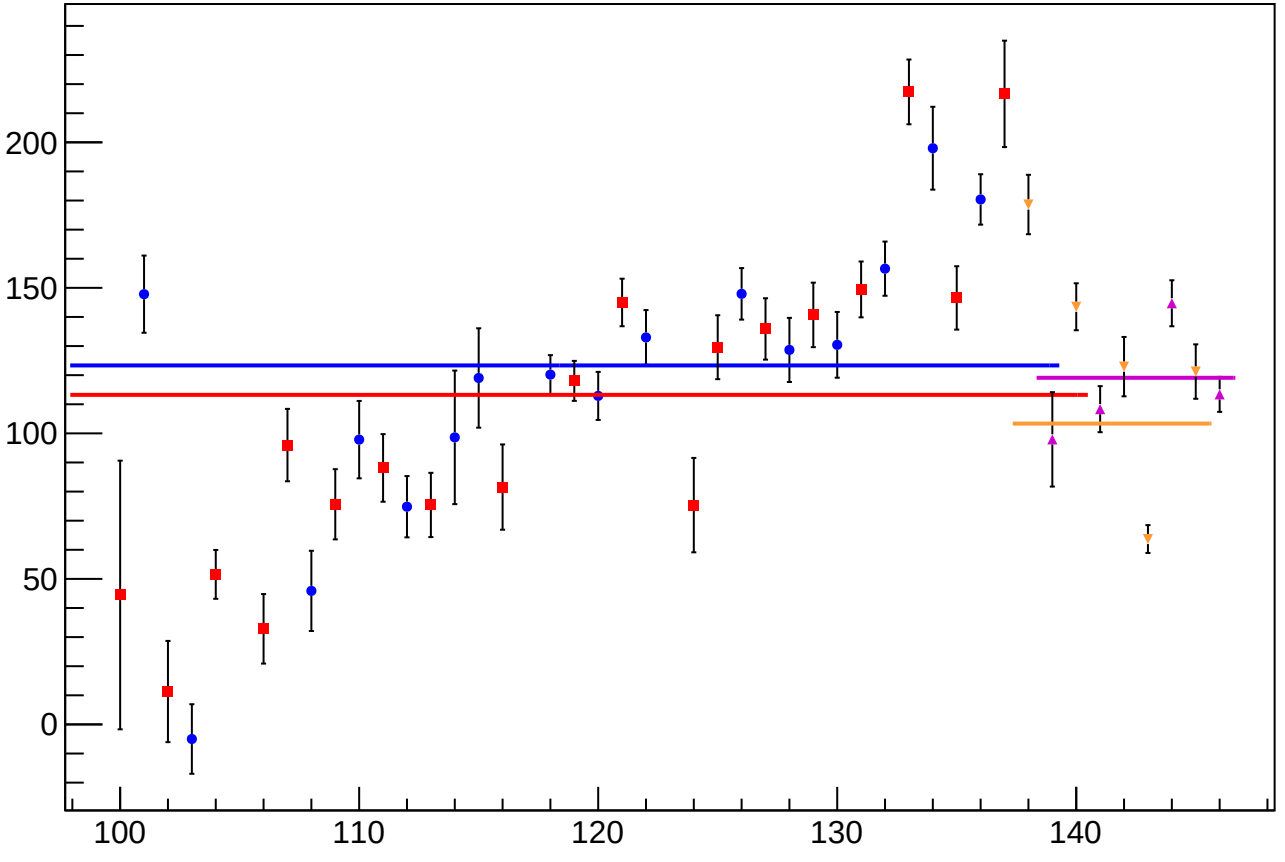
Left In: 559.214+/-4.540 χ^2/NDF:37.0/3

+ sign 476.703+/-2.075 χ^2/NDF: 4650.8/20

All: 486.646+/-1.483 χ^2/NDF: 9113.2/43

- sign 497.042+/-2.121 χ^2/NDF: 4415.4/22

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 103.373+/-3.340 χ^2/NDF:155.1/4

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

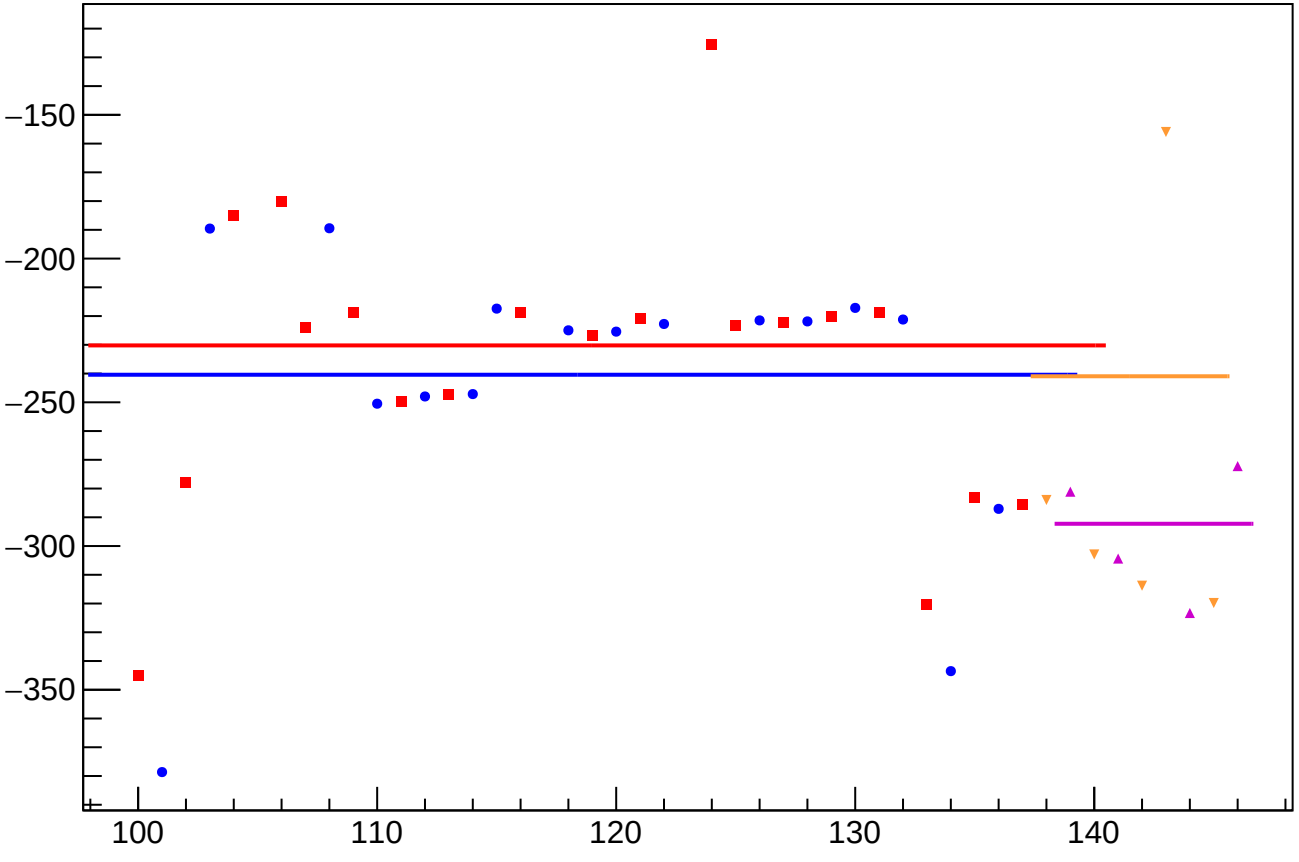
Left In: 119.096+/-3.969 χ^2/NDF:15.0/3

+ sign 115.711+/-2.065 χ^2/NDF: 448.6/20

All: 115.341+/-1.487 χ^2/NDF: 810.9/43

- sign 114.943+/-2.142 χ^2/NDF: 362.3/22

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -240.942+/-0.156 χ^2/NDF:223684.1/4

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

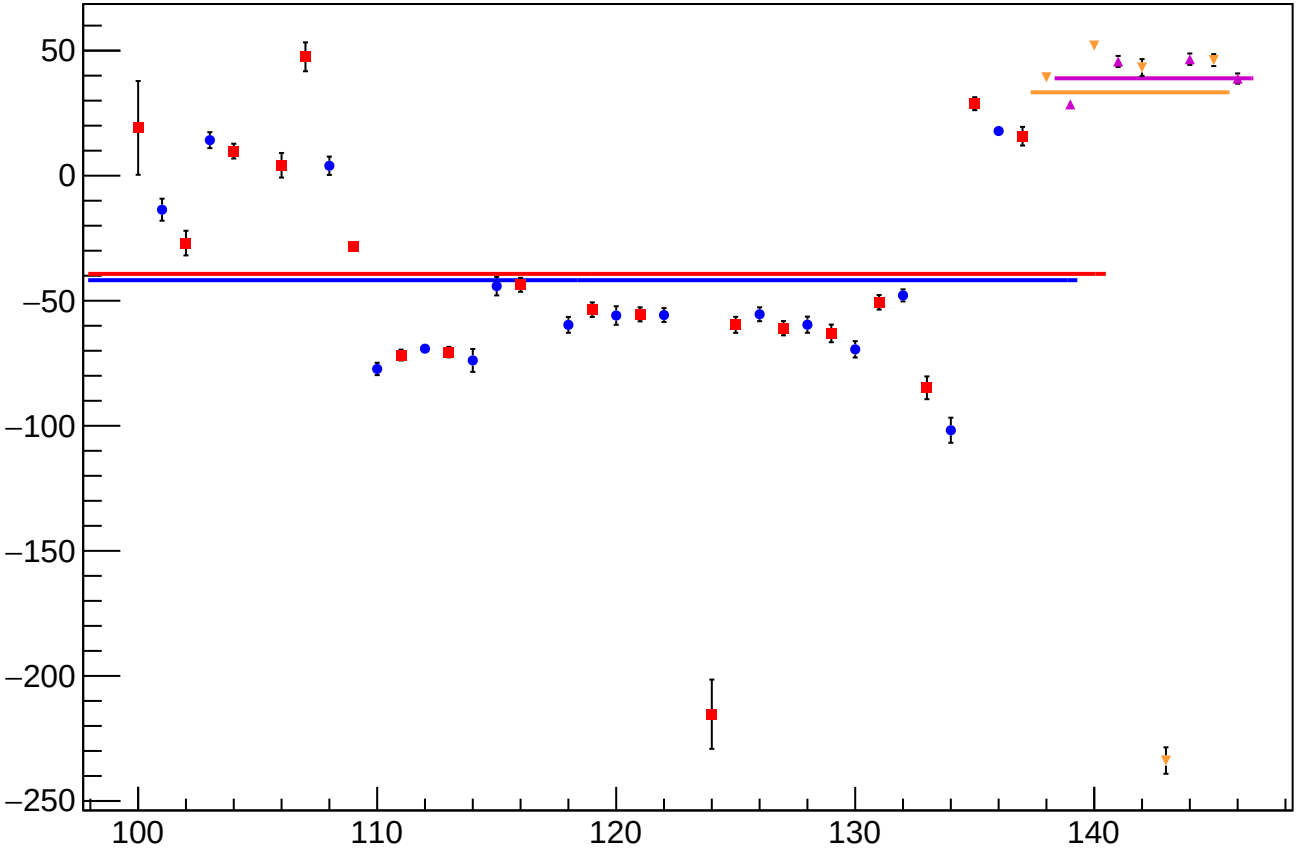
Left In: -292.256+/-0.186 χ^2/NDF:10783.5/3

+ sign -240.668+/-0.108 χ^2/NDF: 357842.2/20

All: -246.912+/-0.079 χ^2/NDF: 527828.7/43

- sign -253.965+/-0.115 χ^2/NDF: 162904.9/22

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 33.330+/-1.103 χ^2/NDF:2688.9/4

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

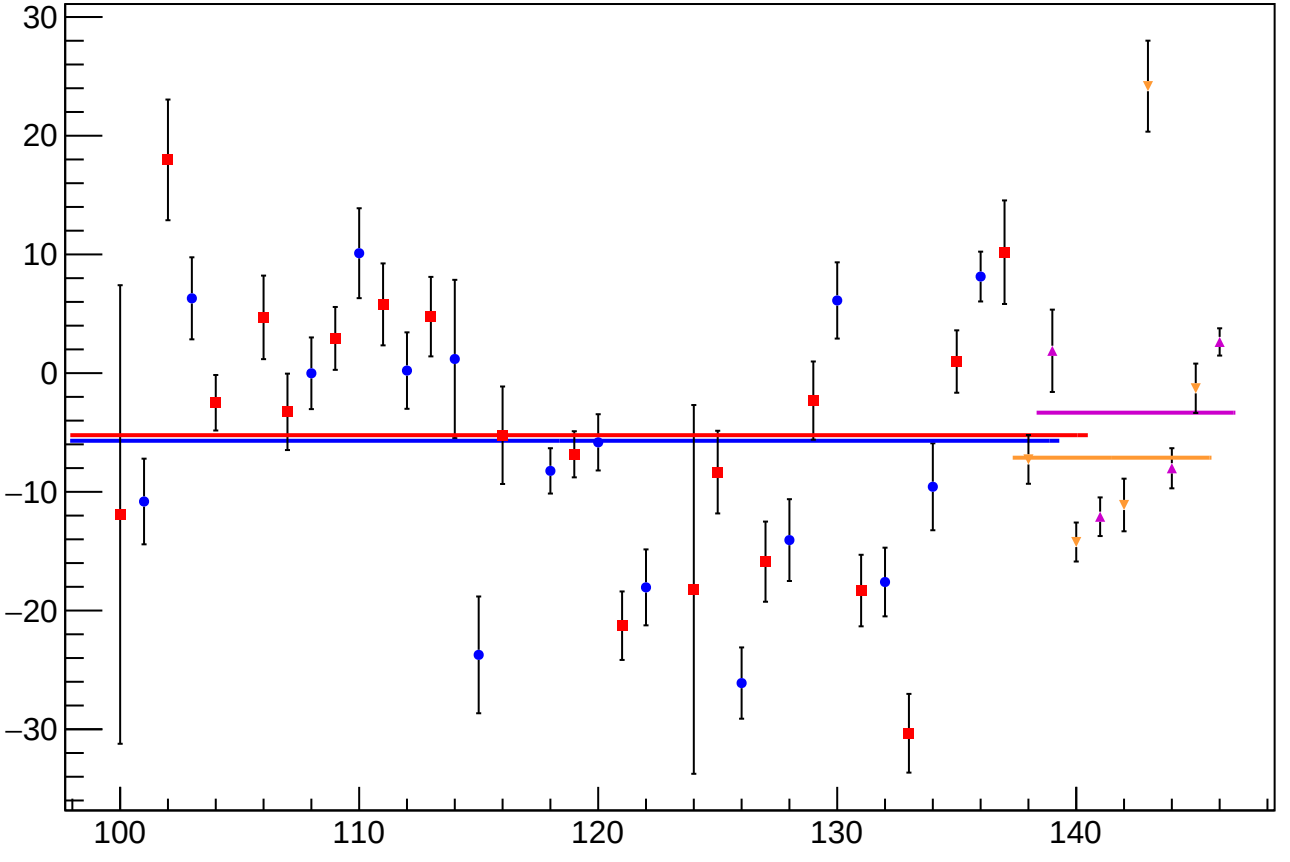
Left In: 38.931+/-1.052 χ^2/NDF:49.6/3

+ sign -19.220+/-0.605 χ^2/NDF: 8336.2/20

All: -17.640+/-0.415 χ^2/NDF: 14775.8/43

- sign -16.232+/-0.571 χ^2/NDF: 6426.7/22

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -7.122+/-0.949 χ^2/NDF:96.5/4

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

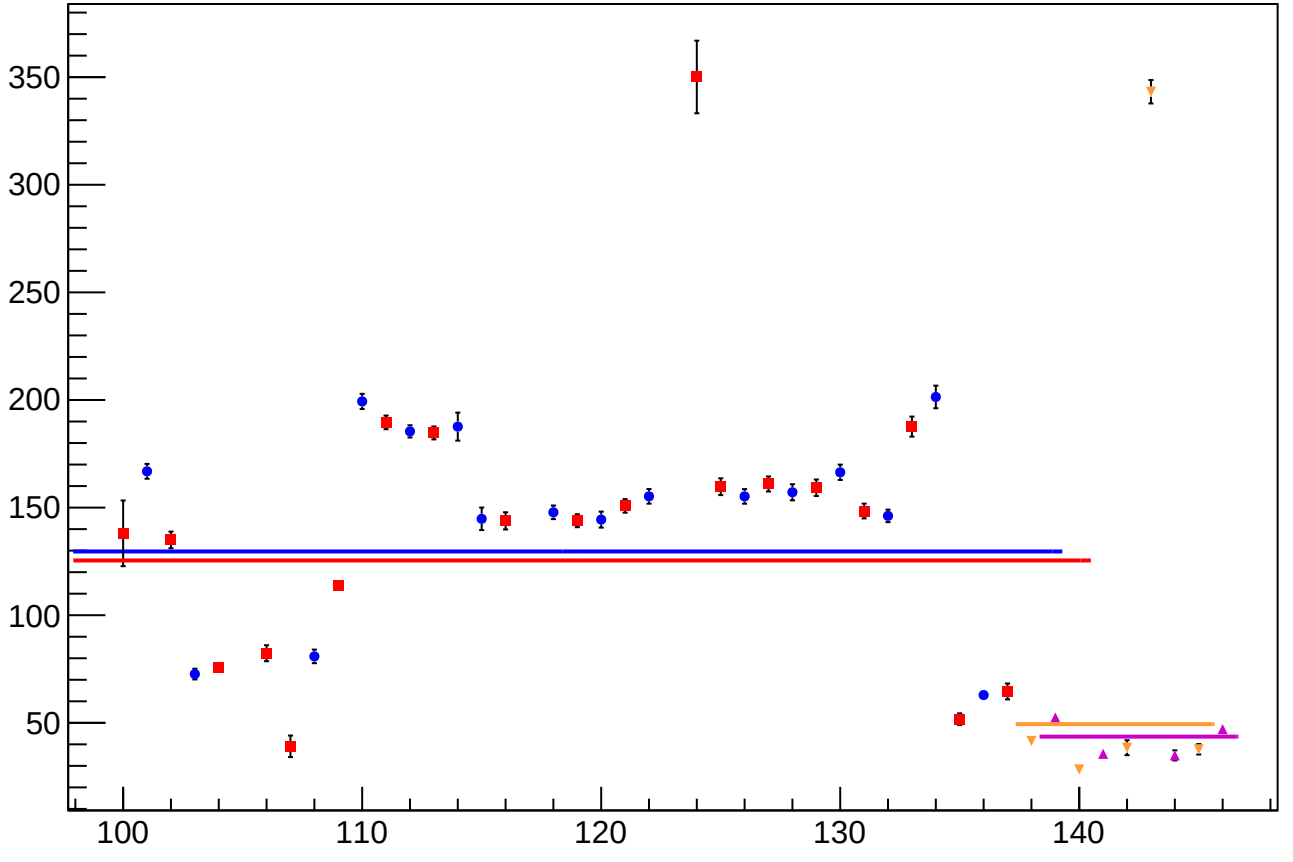
Left In: -3.331+/-0.799 χ^2/NDF:65.8/3

+ sign -6.248+/-0.590 χ^2/NDF: 294.6/20

All: -5.221+/-0.399 χ^2/NDF: 566.4/43

- sign -4.351+/-0.543 χ^2/NDF: 266.2/22

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.388+/-1.138 χ^2/NDF:3074.8/4

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

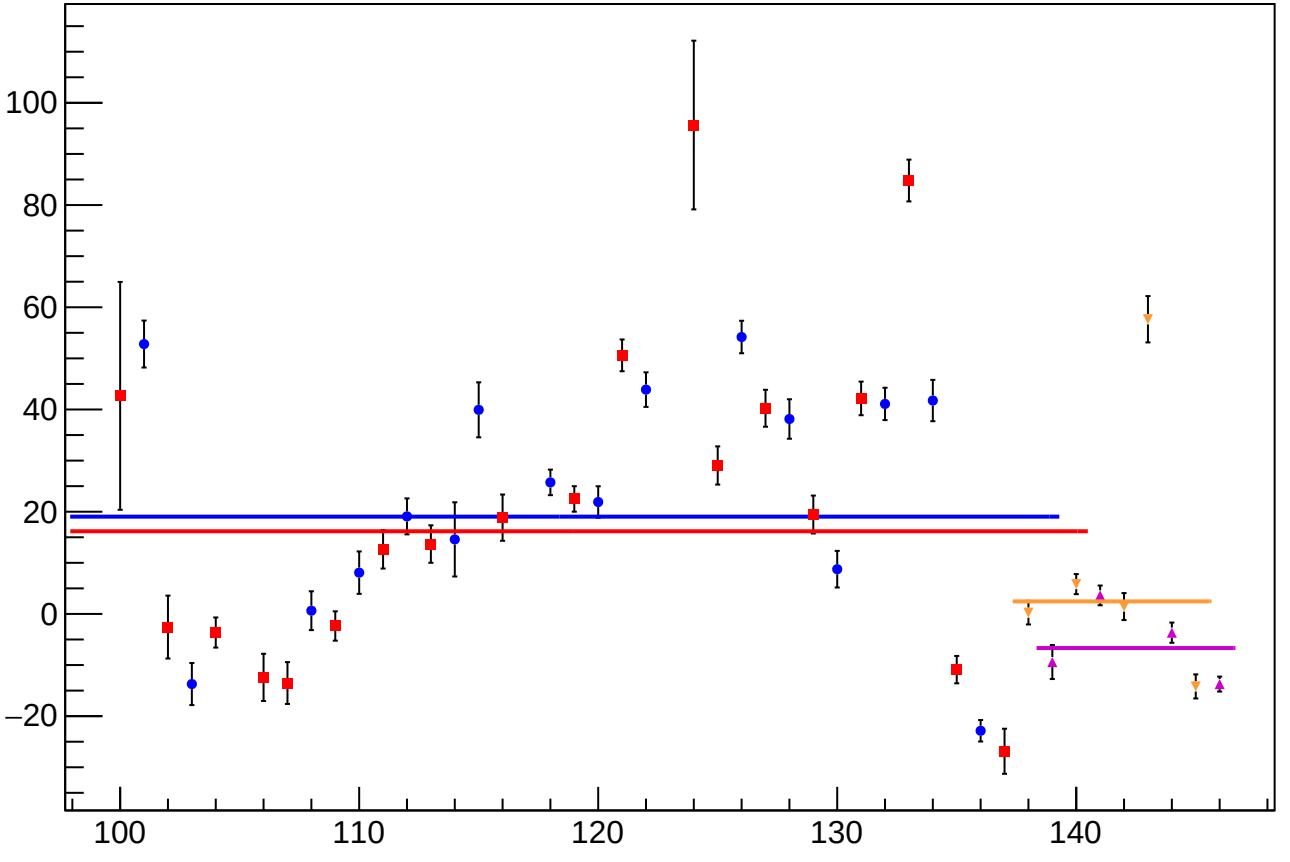
Left In: 43.584+/-1.064 χ^2/NDF:48.9/3

+ sign 103.041+/-0.655 χ^2/NDF: 10026.2/20

All: 99.599+/-0.456 χ^2/NDF: 17445.8/43

- sign 96.369+/-0.634 χ^2/NDF: 7366.1/22

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 2.454+/-1.105 χ^2/NDF:202.2/4

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

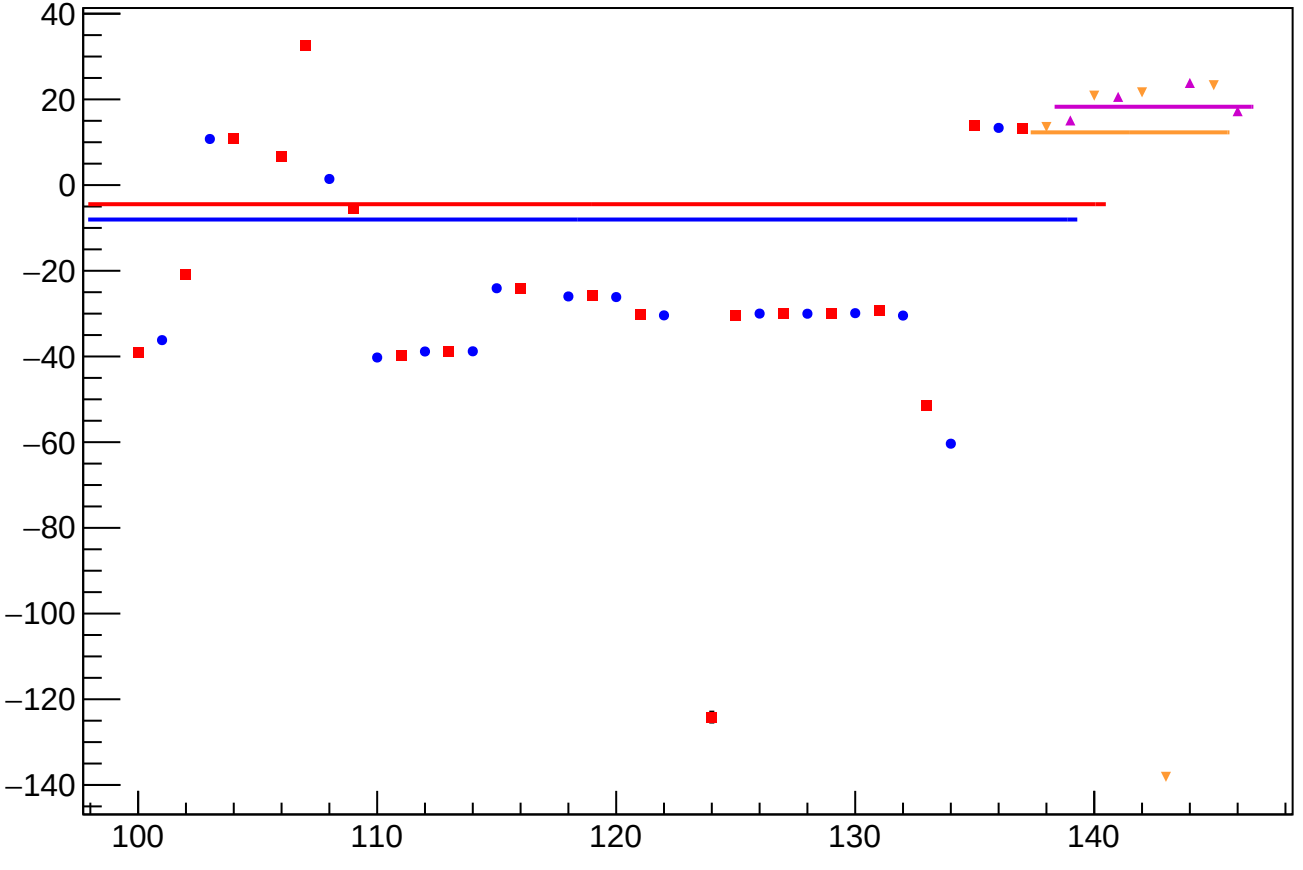
Left In: -6.674+/-0.962 χ^2/NDF:54.6/3

+ sign 12.782+/-0.679 χ^2/NDF: 1200.5/20

All: 9.280+/-0.464 χ^2/NDF: 2564.4/43

- sign 6.210+/-0.635 χ^2/NDF: 1314.0/22

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 12.306+/-0.047 χ^2/NDF:467851.2/4

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

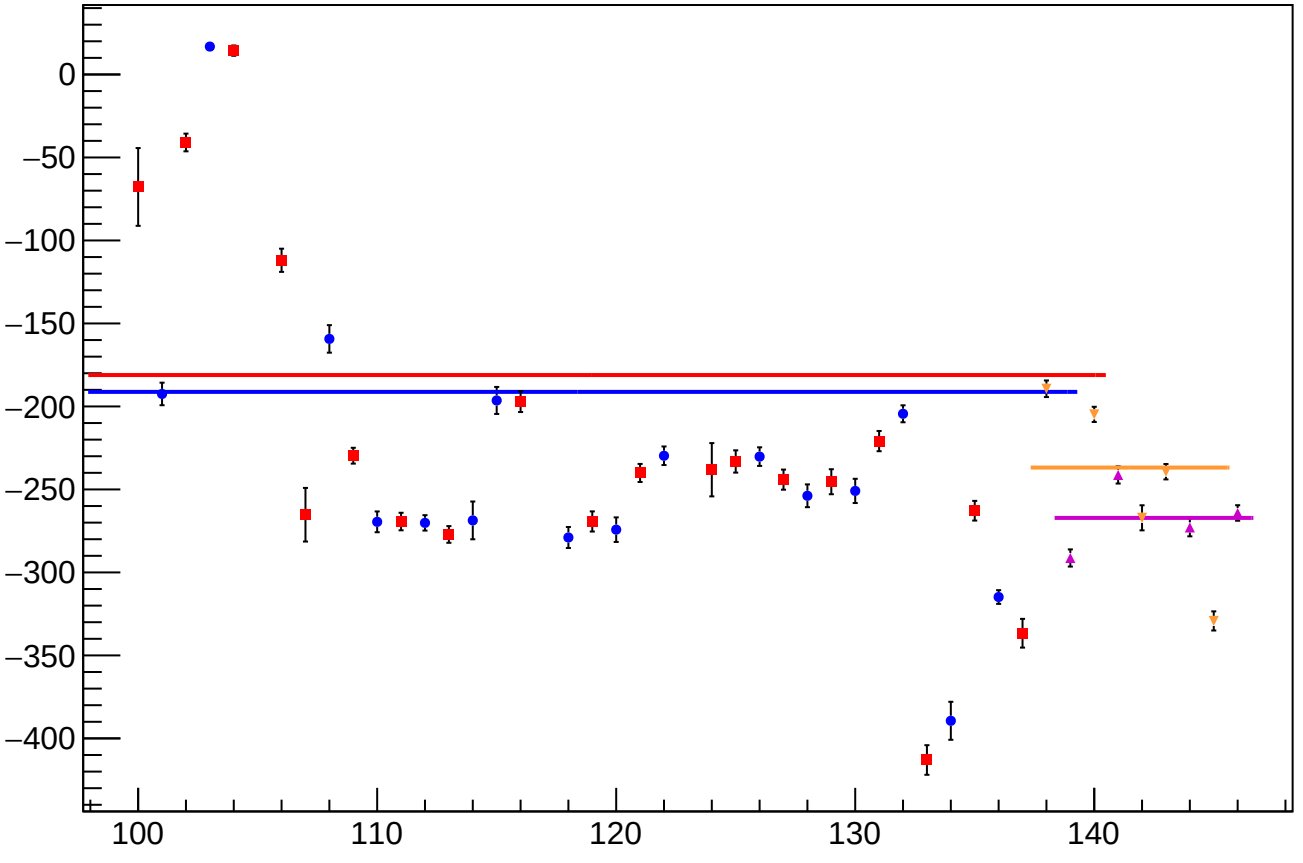
Left In: 18.283+/-0.043 χ^2/NDF:5549.2/3

+ sign 1.951+/-0.033 χ^2/NDF: 832496.9/20

All: 5.021+/-0.023 χ^2/NDF: 1211848.9/43

- sign 7.895+/-0.032 χ^2/NDF: 362282.8/22

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -236.830+/-2.345 χ^2/NDF:412.2/4

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

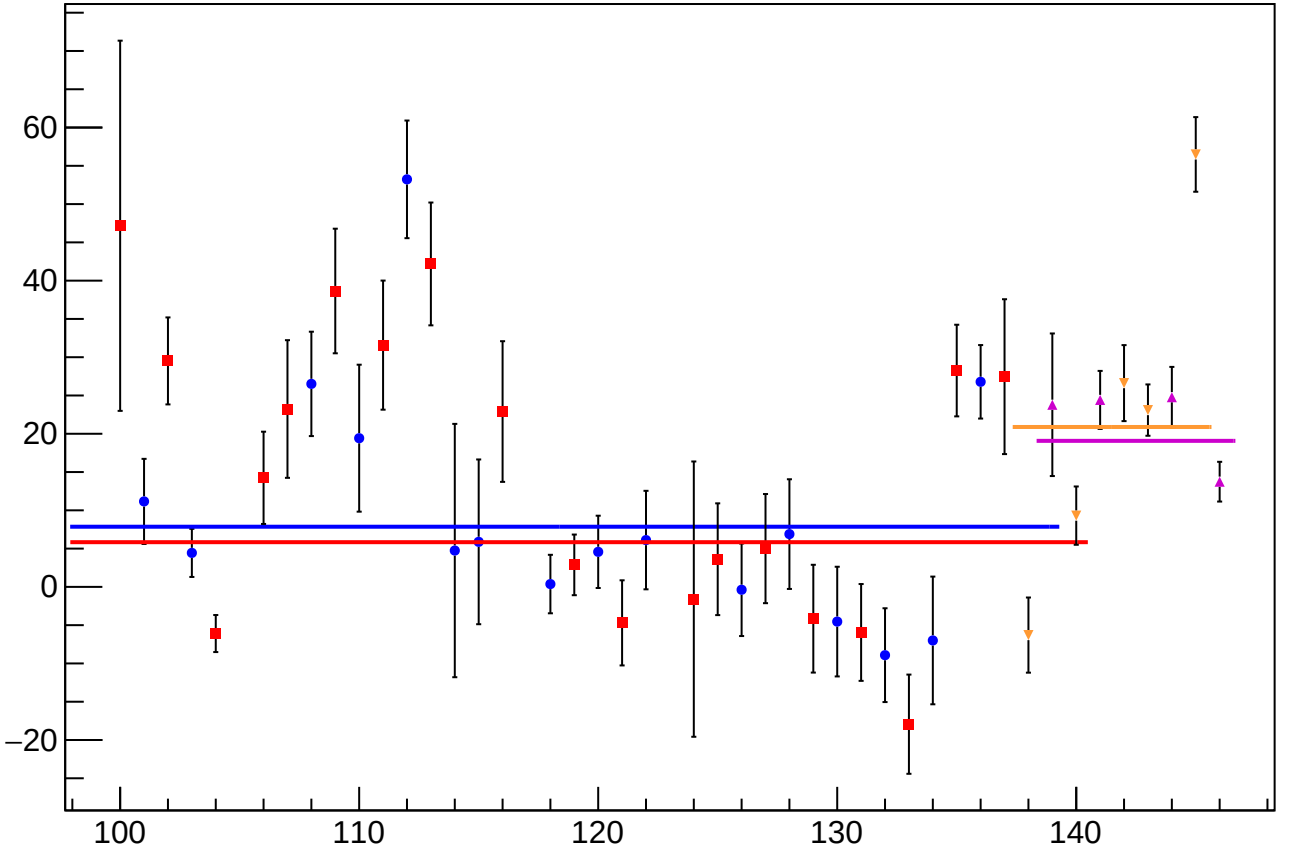
Left In: -267.157+/-2.541 χ^2/NDF:48.2/3

+ sign -203.440+/-1.214 χ^2/NDF: 7913.7/20

All: -202.094+/-0.858 χ^2/NDF: 16224.0/43

- sign -200.746+/-1.214 χ^2/NDF: 8307.8/22

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 20.886+/-1.883 χ^2/NDF:95.0/4

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

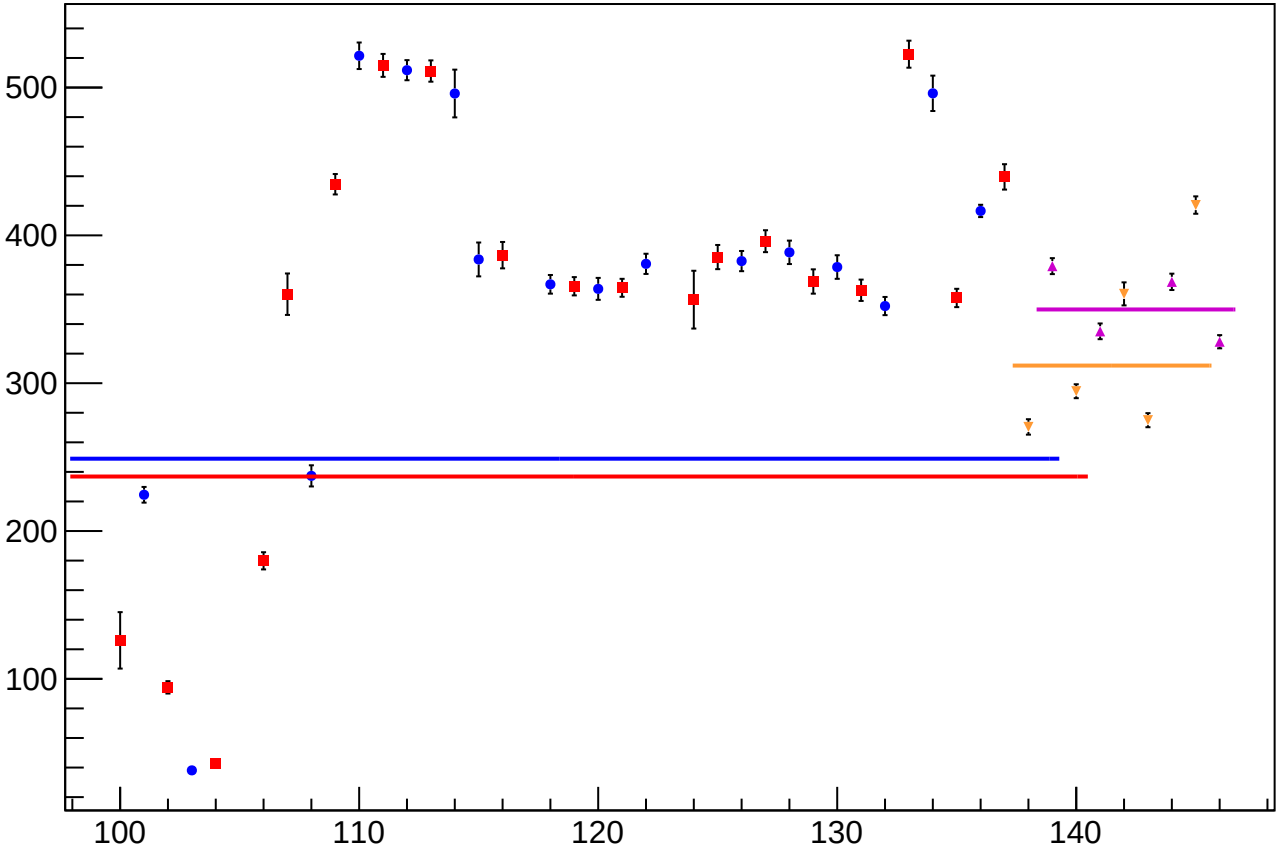
Left In: 19.075+/-1.846 χ^2/NDF:8.6/3

+ sign 12.659+/-1.143 χ^2/NDF: 206.2/20

All: 11.518+/-0.790 χ^2/NDF: 391.9/43

- sign 10.475+/-1.093 χ^2/NDF: 183.8/22

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 311.926+/-2.417 χ^2/NDF:516.1/4

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

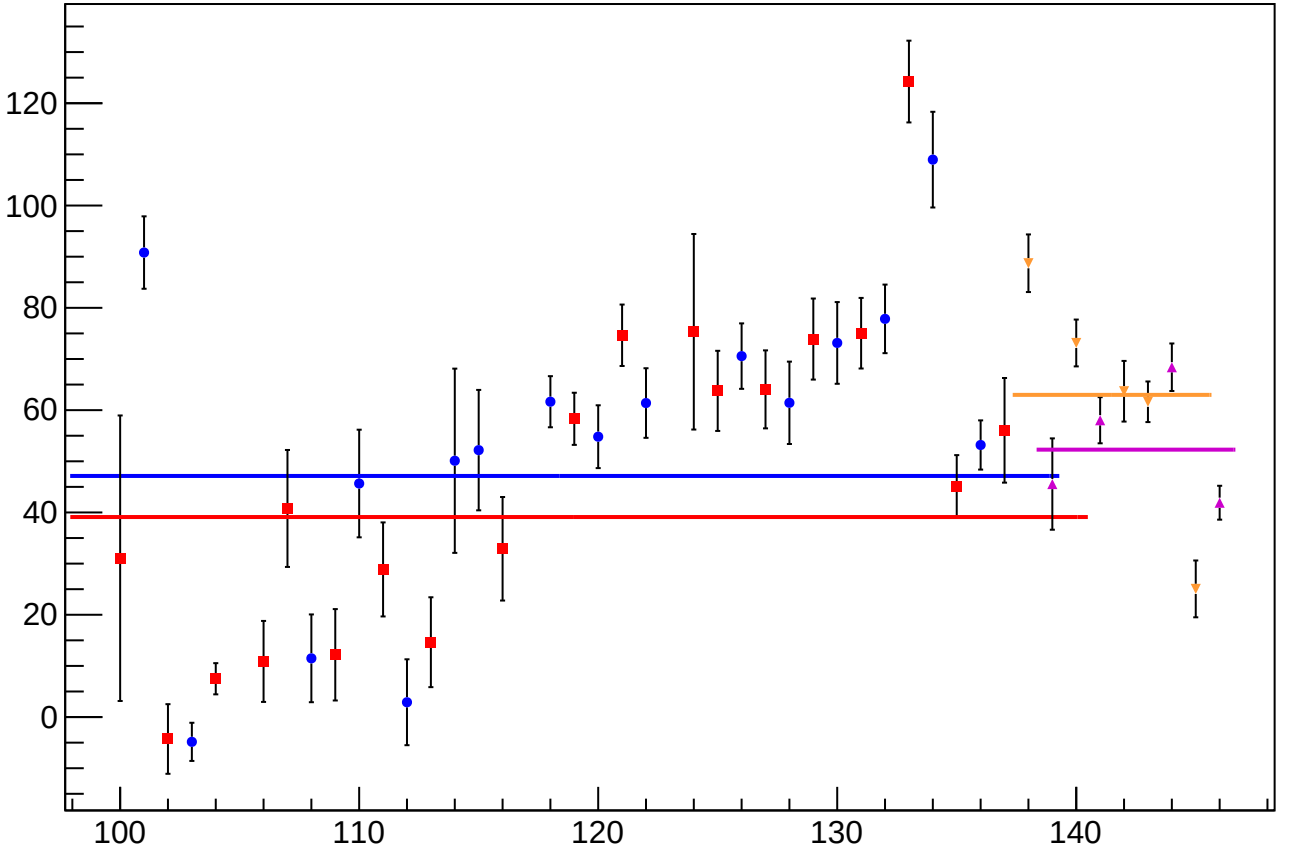
Left In: 349.880+/-2.561 χ^2/NDF:72.5/3

+ sign 265.128+/-1.225 χ^2/NDF: 16323.1/20

All: 264.101+/-0.869 χ^2/NDF: 33550.1/43

- sign 263.062+/-1.233 χ^2/NDF: 17225.6/22

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 62.987+/-2.216 χ^2/NDF:72.5/4

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

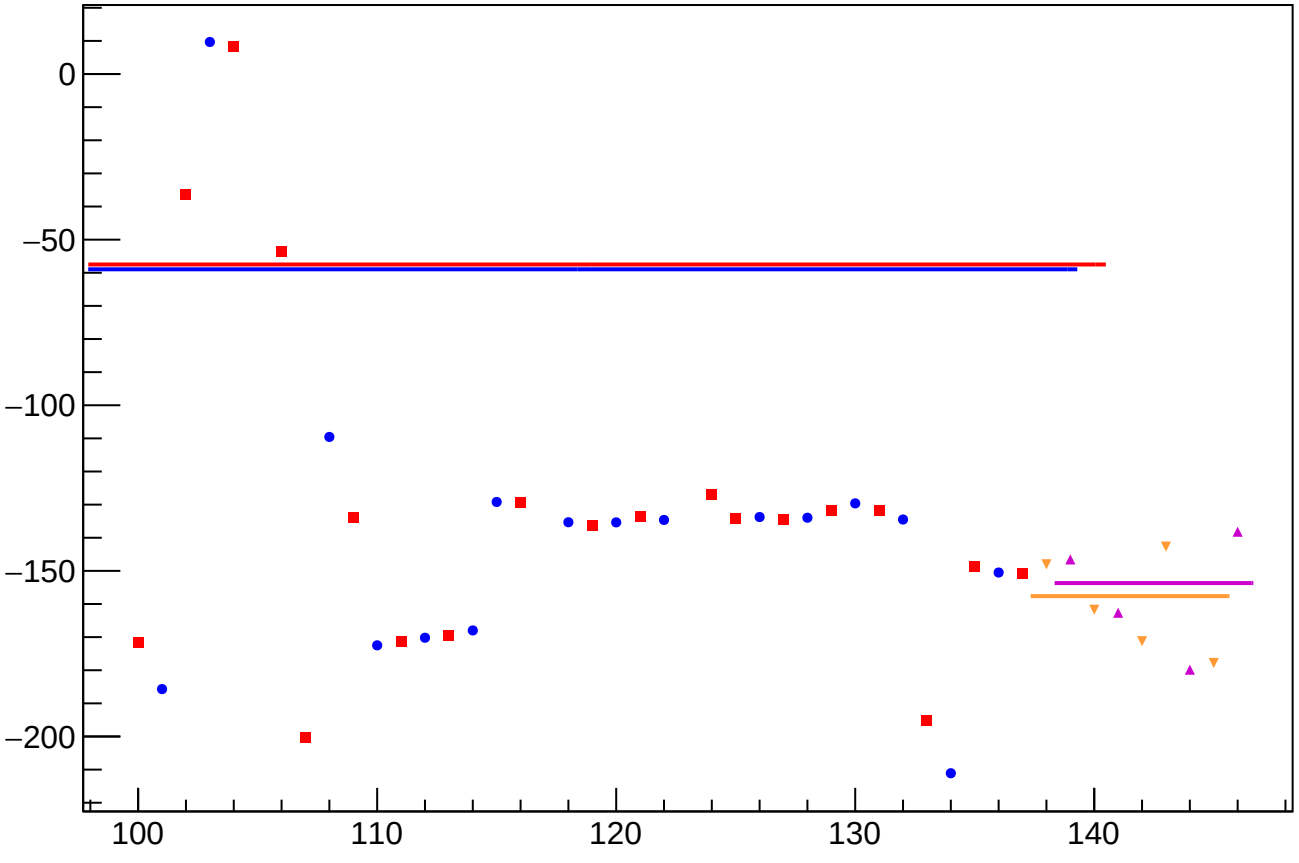
Left In: 52.278+/-2.240 χ^2/NDF:24.0/3

+ sign 52.866+/-1.333 χ^2/NDF: 490.5/20

All: 48.087+/-0.930 χ^2/NDF: 979.1/43

- sign 43.539+/-1.300 χ^2/NDF: 463.4/22

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -157.628+/-0.101 χ^2/NDF:17443.1/4

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

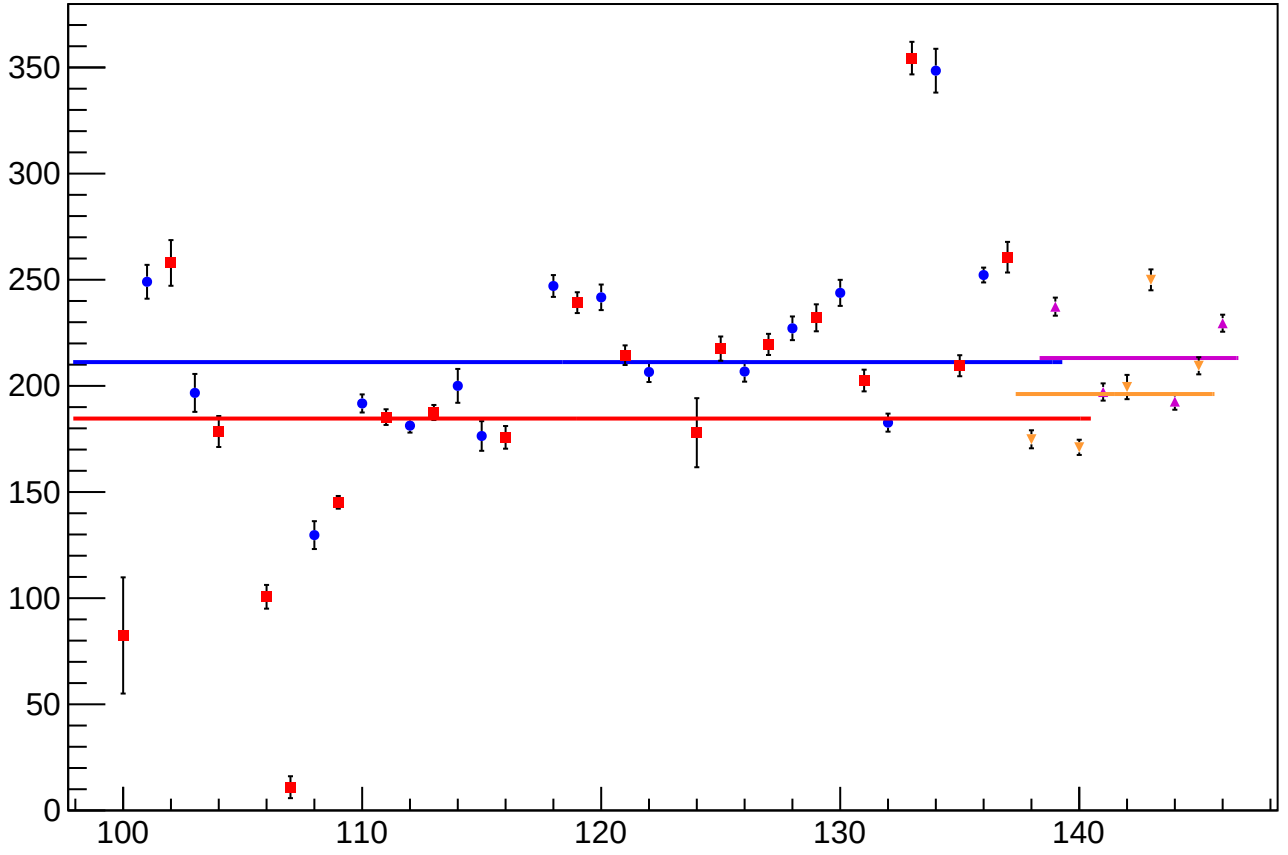
Left In: -153.682+/-0.105 χ^2/NDF:20723.3/3

+ sign -92.761+/-0.059 χ^2/NDF: 1877257.7/20

All: -91.292+/-0.042 χ^2/NDF: 3332904.3/43

- sign -89.738+/-0.061 χ^2/NDF: 1454365.1/22

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 196.167+/-1.936 χ^2/NDF:204.9/4

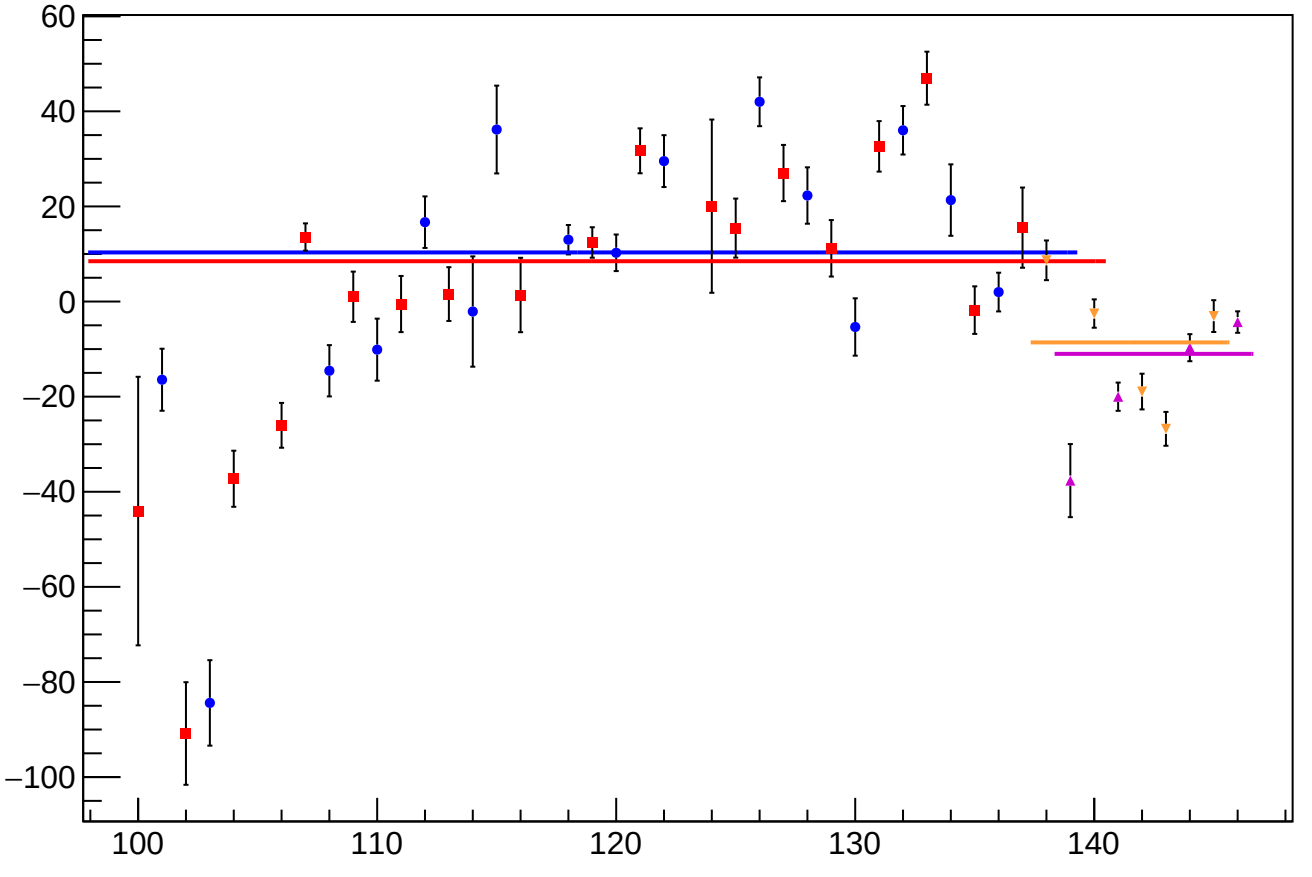
Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 213.127+/-2.019 χ^2/NDF:92.9/3

+ sign 206.556+/-1.077 χ^2/NDF: 1029.5/20

All: 198.938+/-0.743 χ^2/NDF: 3906.2/43

- sign 192.000+/-1.028 χ^2/NDF: 2781.0/22



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -8.595+/-1.564 χ^2/NDF:57.6/4

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

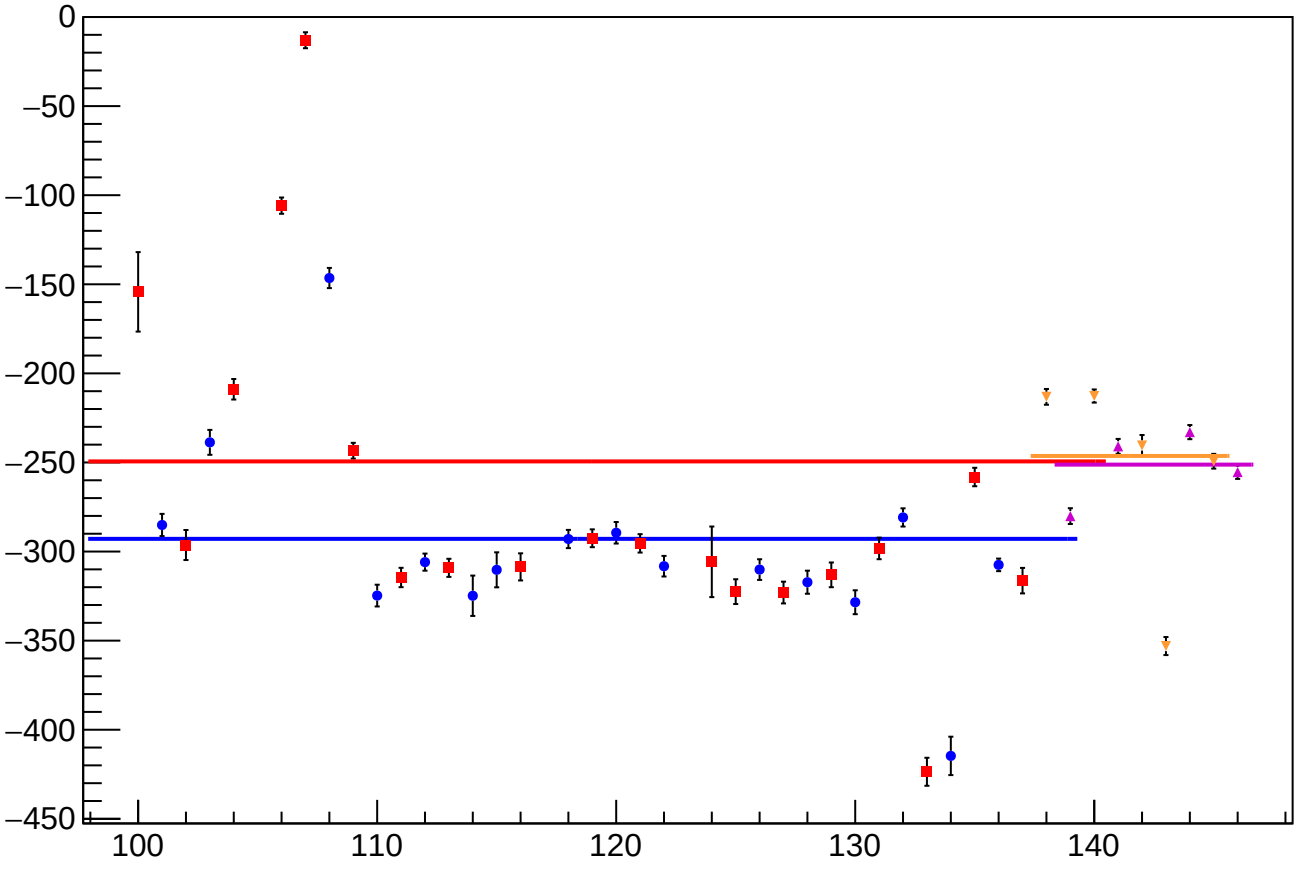
Left In: -11.005+/-1.491 χ^2/NDF:30.2/3

+ sign 2.366+/-1.014 χ^2/NDF: 405.7/20

All: 1.437+/-0.692 χ^2/NDF: 861.9/43

- sign 0.628+/-0.946 χ^2/NDF: 454.6/22

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -246.341+/-1.997 χ^2/NDF:585.0/4

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

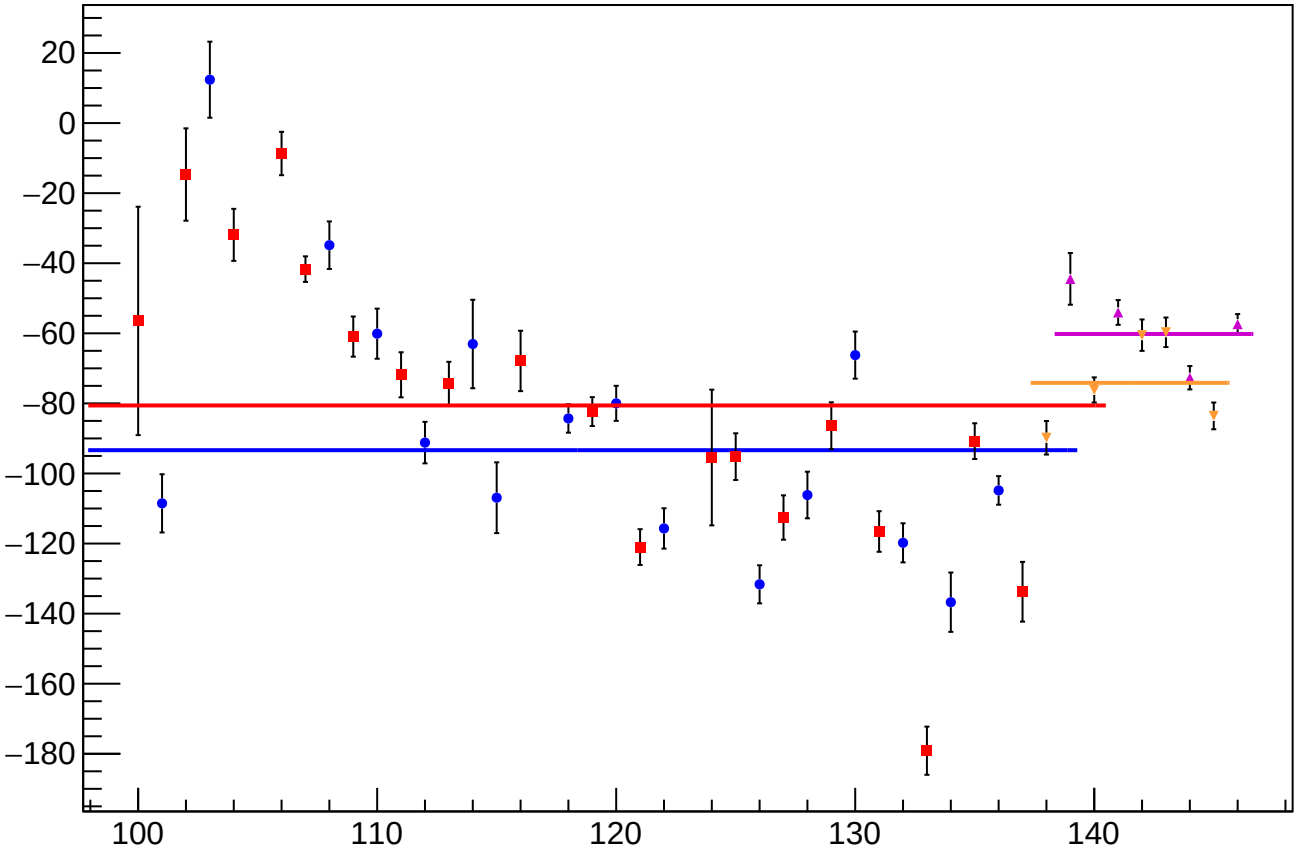
Left In: -251.211+/-2.042 χ^2/NDF:70.8/3

+ sign -276.551+/-1.182 χ^2/NDF: 1921.1/20

All: -262.737+/-0.820 χ^2/NDF: 7623.6/43

- sign -249.966+/-1.137 χ^2/NDF: 5439.8/22

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -74.140+/-1.838 χ^2/NDF:38.1/4

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

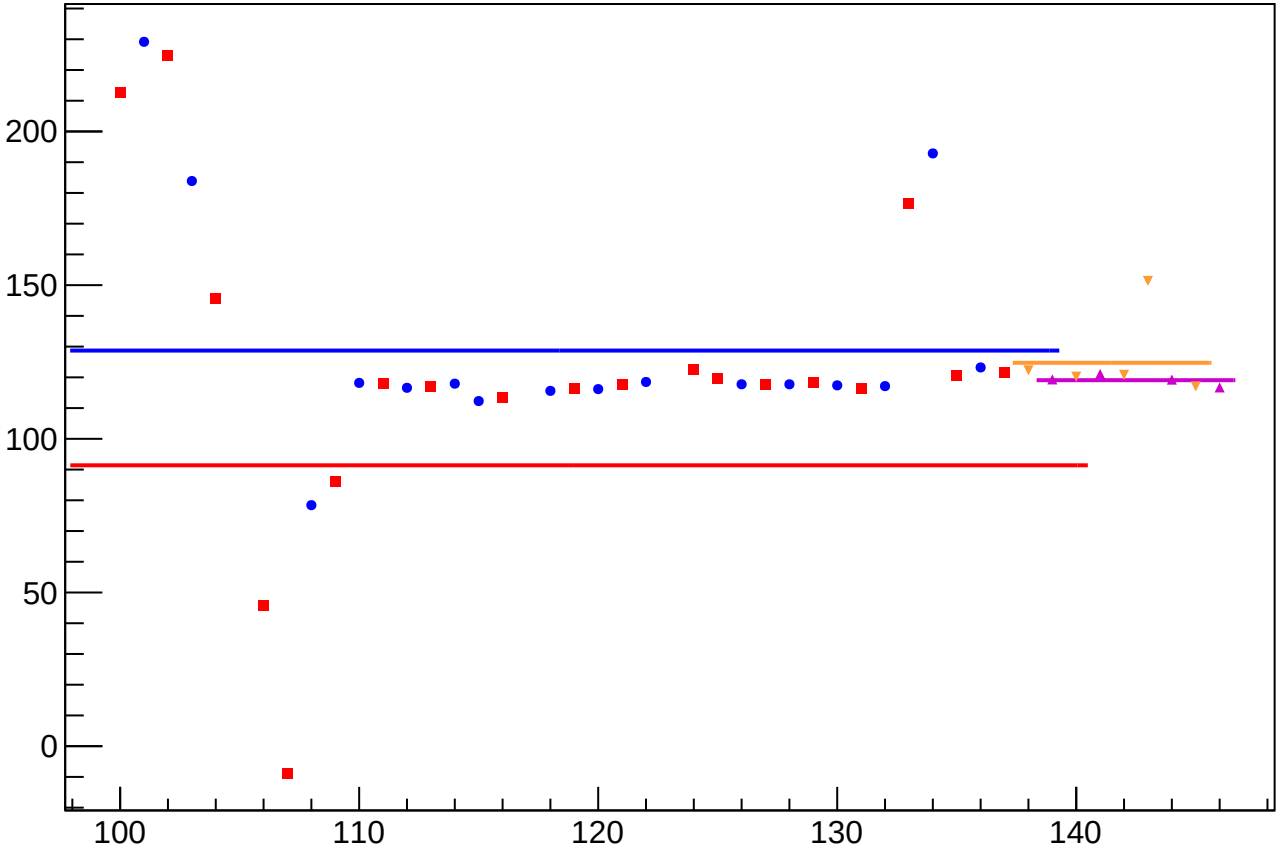
Left In: -60.192+/-1.797 χ^2/NDF:22.6/3

+ sign -85.463+/-1.178 χ^2/NDF: 457.8/20

All: -78.749+/-0.810 χ^2/NDF: 1336.6/43

- sign -72.722+/-1.116 χ^2/NDF: 817.1/22

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 124.740+/-0.083 χ^2/NDF:19322.4/4

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

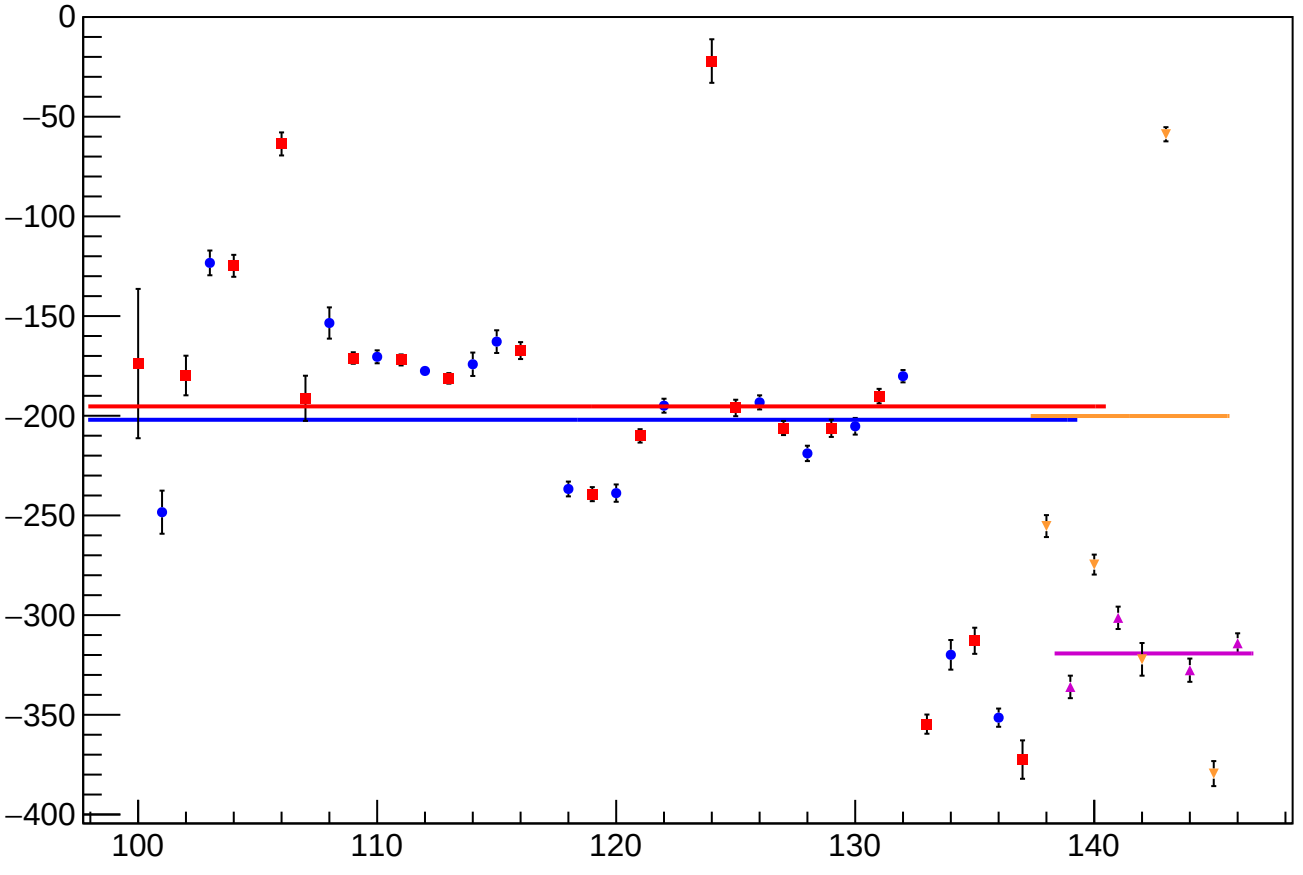
Left In: 119.074+/-0.084 χ^2/NDF:344.0/3

+ sign 126.585+/-0.061 χ^2/NDF: 203911.3/20

All: 114.902+/-0.042 χ^2/NDF: 937143.6/43

- sign 104.425+/-0.058 χ^2/NDF: 663021.0/22

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -200.134+/-2.282 χ^2/NDF:2937.8/4

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

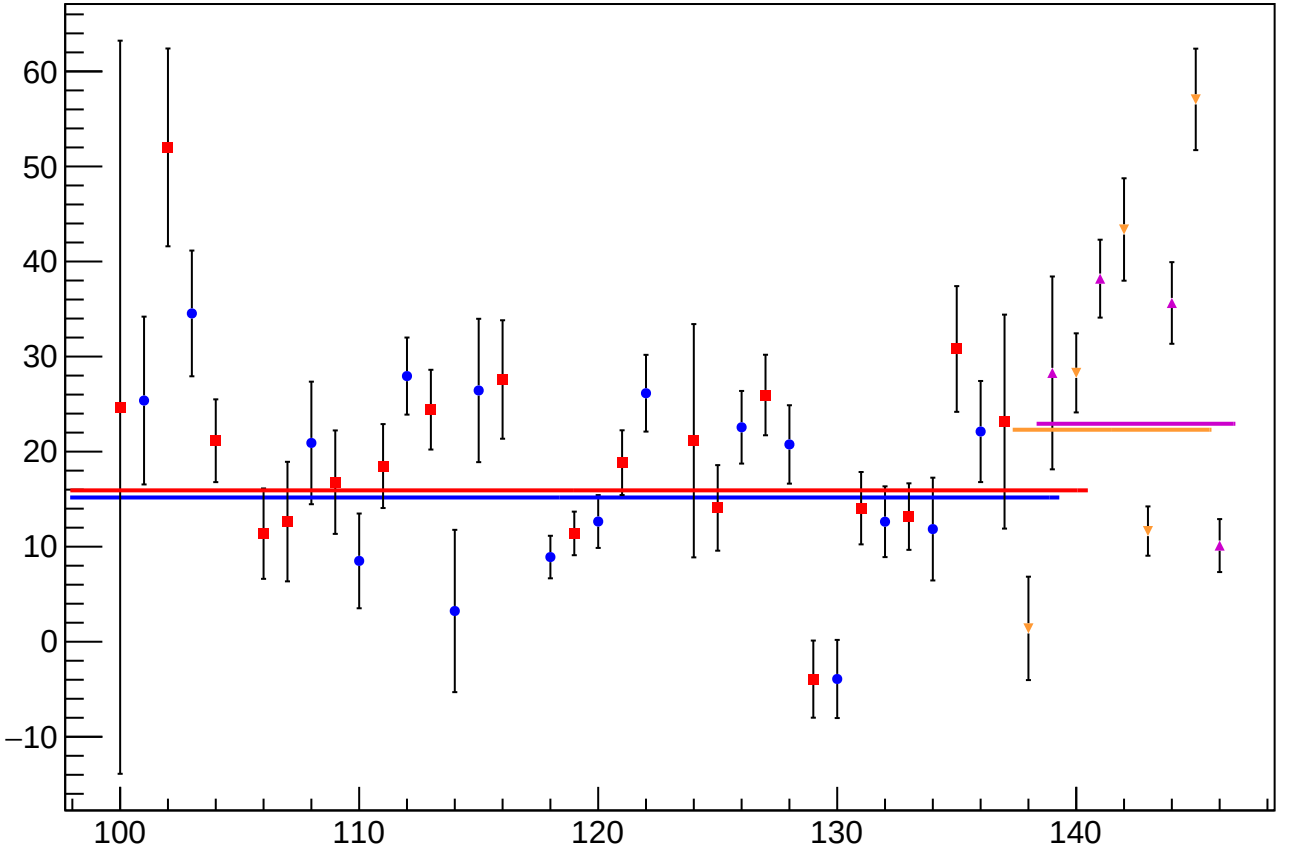
Left In: -319.229+/-2.745 χ^2/NDF:22.1/3

+ sign -201.704+/-0.934 χ^2/NDF: 4978.7/20

All: -205.501+/-0.655 χ^2/NDF: 9943.5/43

- sign -209.166+/-0.918 χ^2/NDF: 4932.3/22

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 22.303+/-1.797 χ^2/NDF:91.4/4

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

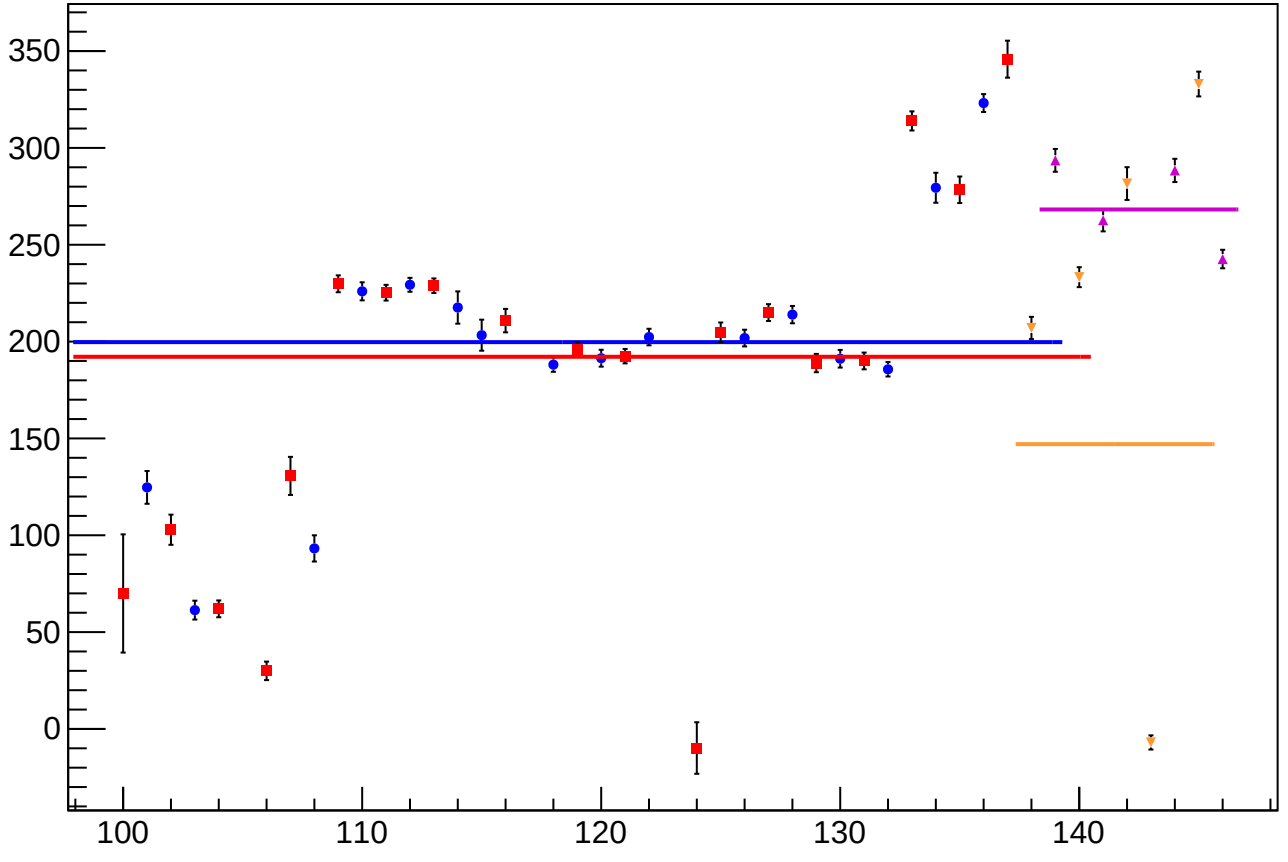
Left In: 22.930+/-1.991 χ^2/NDF:44.1/3

+ sign 16.984+/-0.905 χ^2/NDF: 175.5/20

All: 17.198+/-0.645 χ^2/NDF: 293.0/43

- sign 17.419+/-0.920 χ^2/NDF: 117.3/22

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 147.045+/-2.350 χ^2/NDF:3258.8/4

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

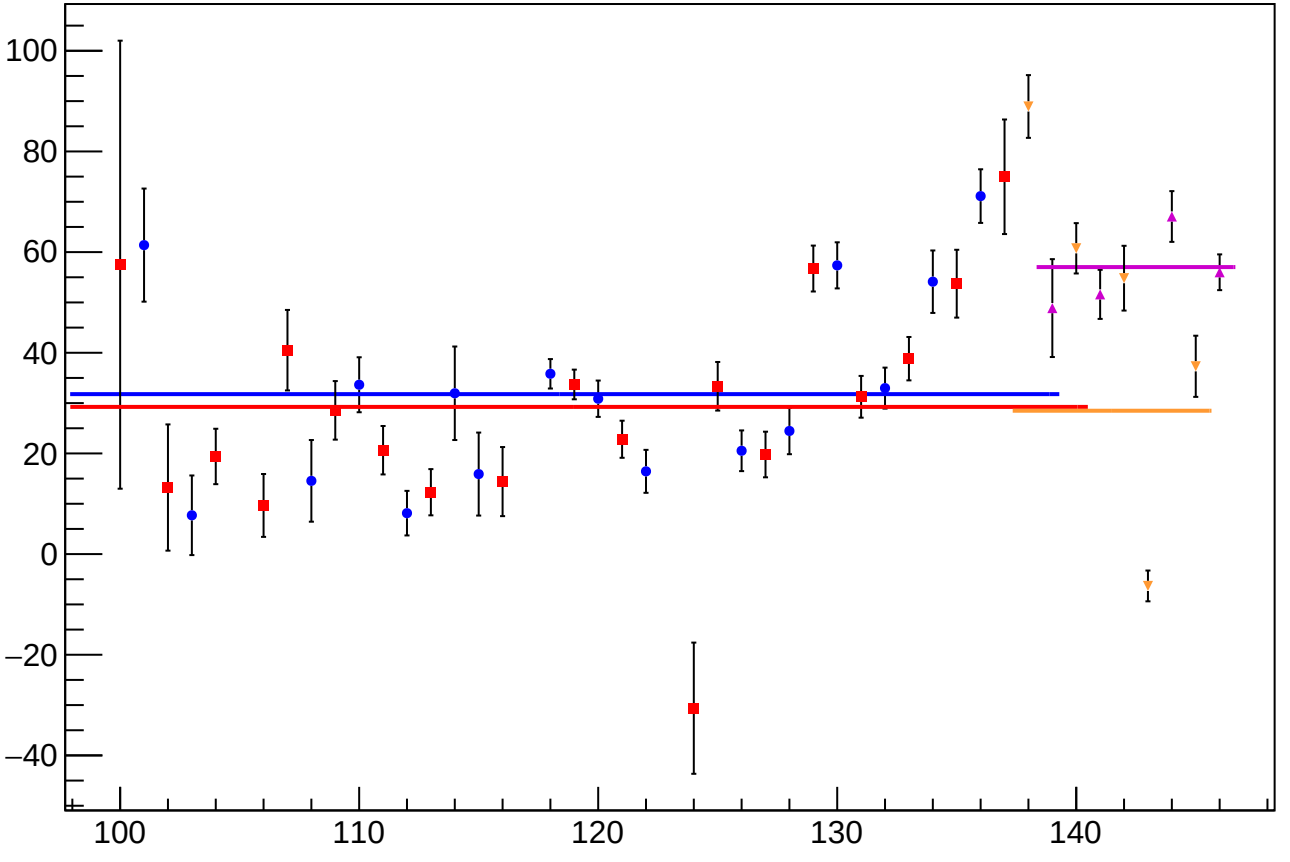
Left In: 268.219+/-2.767 χ^2/NDF:59.5/3

+ sign 188.887+/-1.066 χ^2/NDF: 5759.6/20

All: 196.152+/-0.752 χ^2/NDF: 10333.3/43

- sign 203.370+/-1.062 χ^2/NDF: 4481.1/22

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 28.484+/-2.114 χ^2/NDF:284.1/4

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

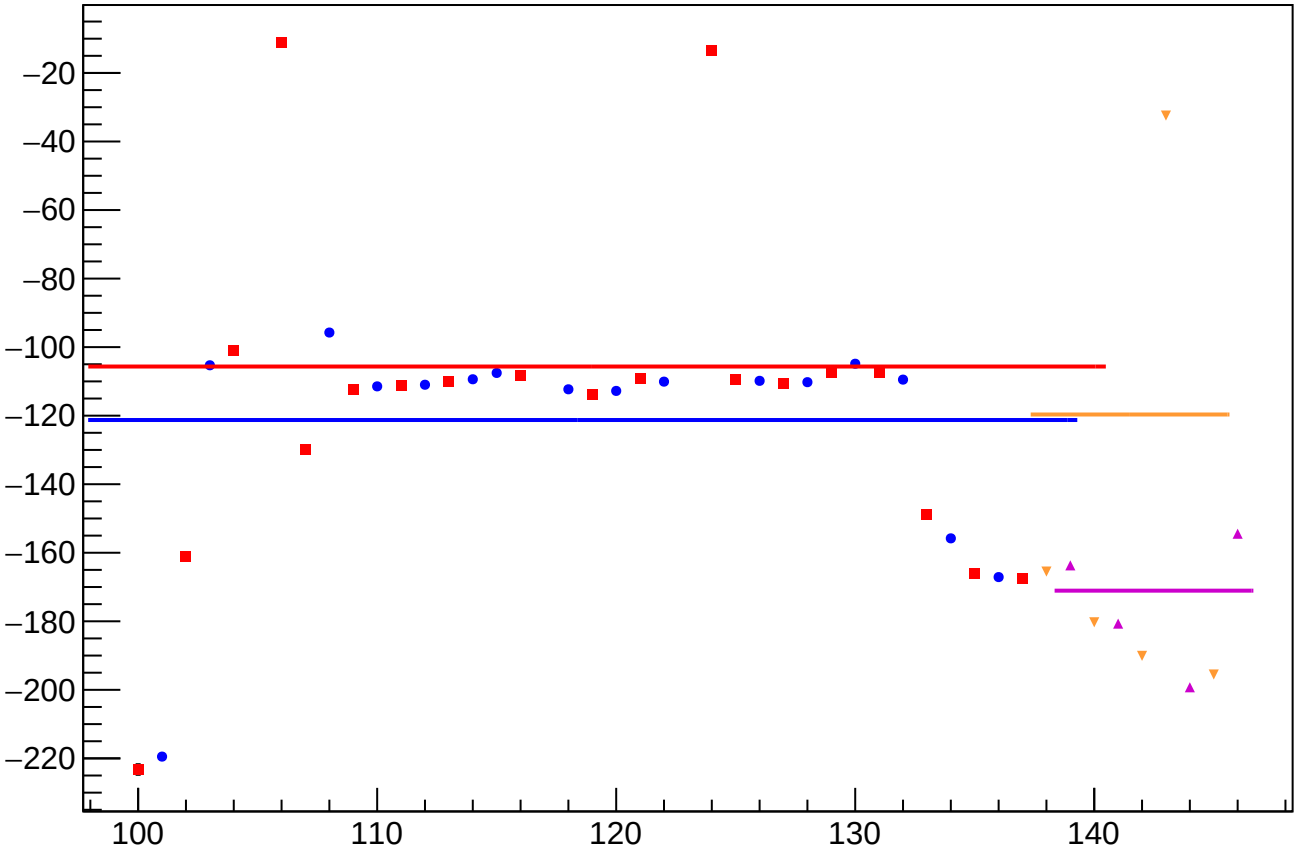
Left In: 57.026+/-2.417 χ^2/NDF:6.0/3

+ sign 30.962+/-1.054 χ^2/NDF: 462.9/20

All: 32.806+/-0.752 χ^2/NDF: 722.1/43

- sign 34.714+/-1.072 χ^2/NDF: 253.0/22

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -119.659+/-0.098 χ^2/NDF:569513.0/4

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

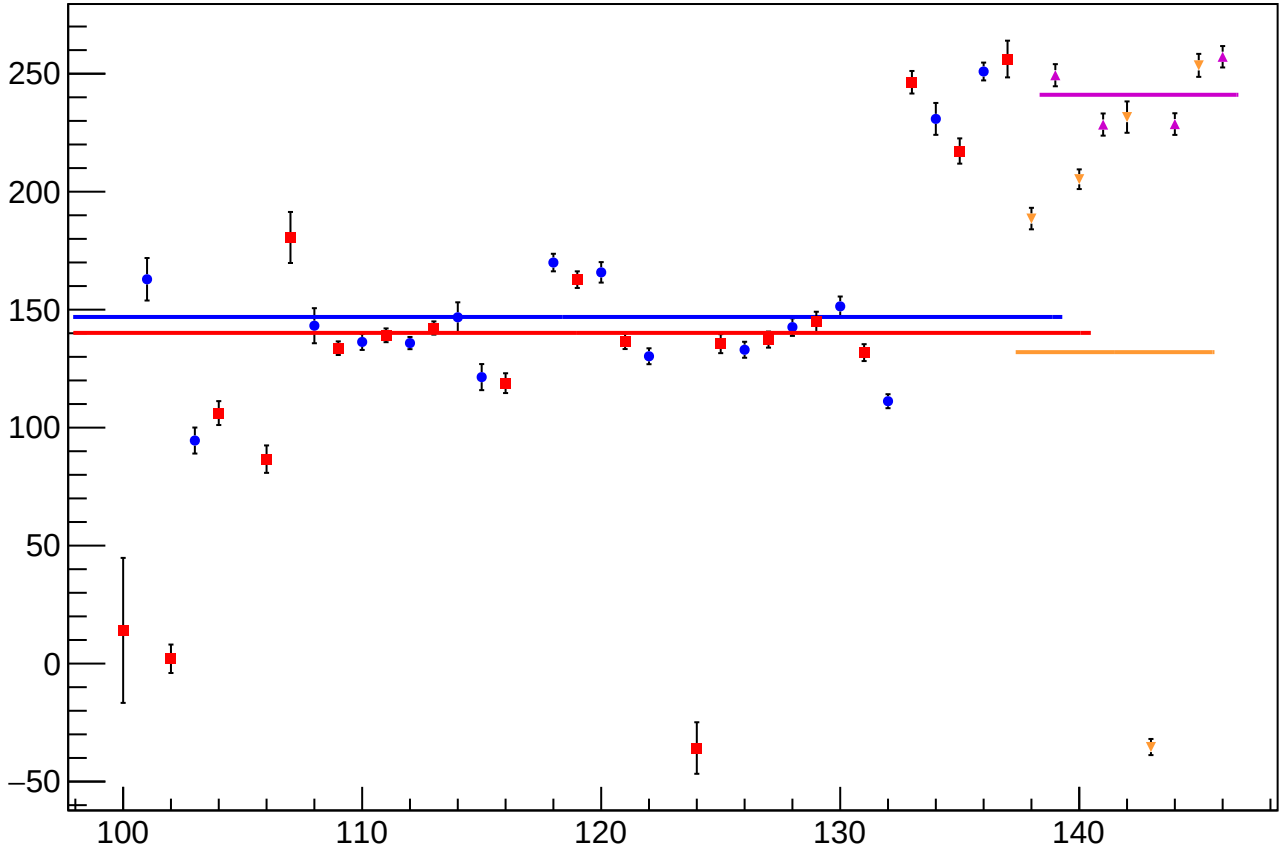
Left In: -171.061+/-0.113 χ^2/NDF:20416.8/3

+ sign -120.629+/-0.062 χ^2/NDF: 689075.2/20

All: -123.049+/-0.044 χ^2/NDF: 1300617.9/43

- sign -125.533+/-0.062 χ^2/NDF: 608406.9/22

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 131.994+/-1.976 χ^2/NDF:3706.8/4

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

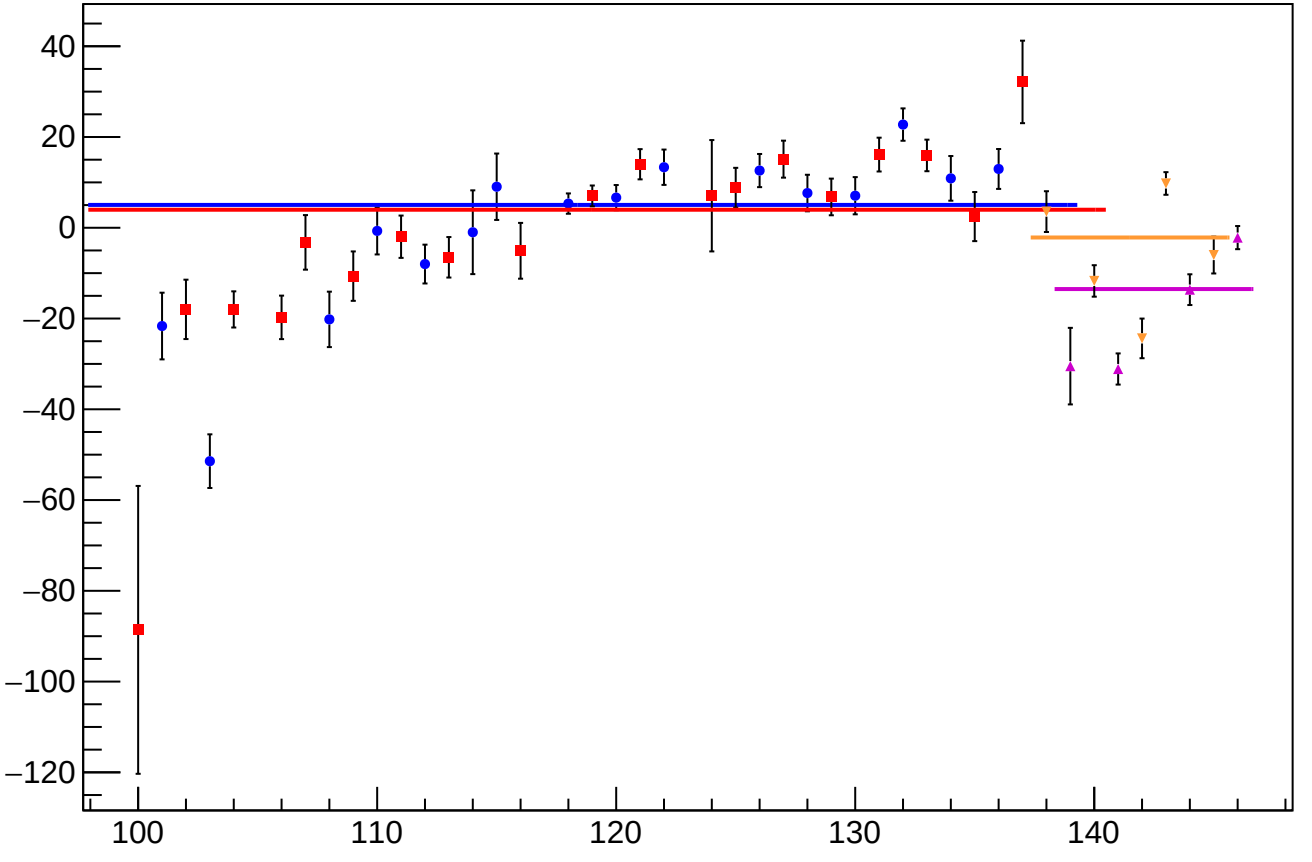
Left In: 241.068+/-2.313 χ^2/NDF:30.3/3

+ sign 143.850+/-0.895 χ^2/NDF: 5054.0/20

All: 149.467+/-0.630 χ^2/NDF: 8737.0/43

- sign 154.984+/-0.887 χ^2/NDF: 3604.8/22

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -2.143+/-1.568 χ^2/NDF:58.8/4

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

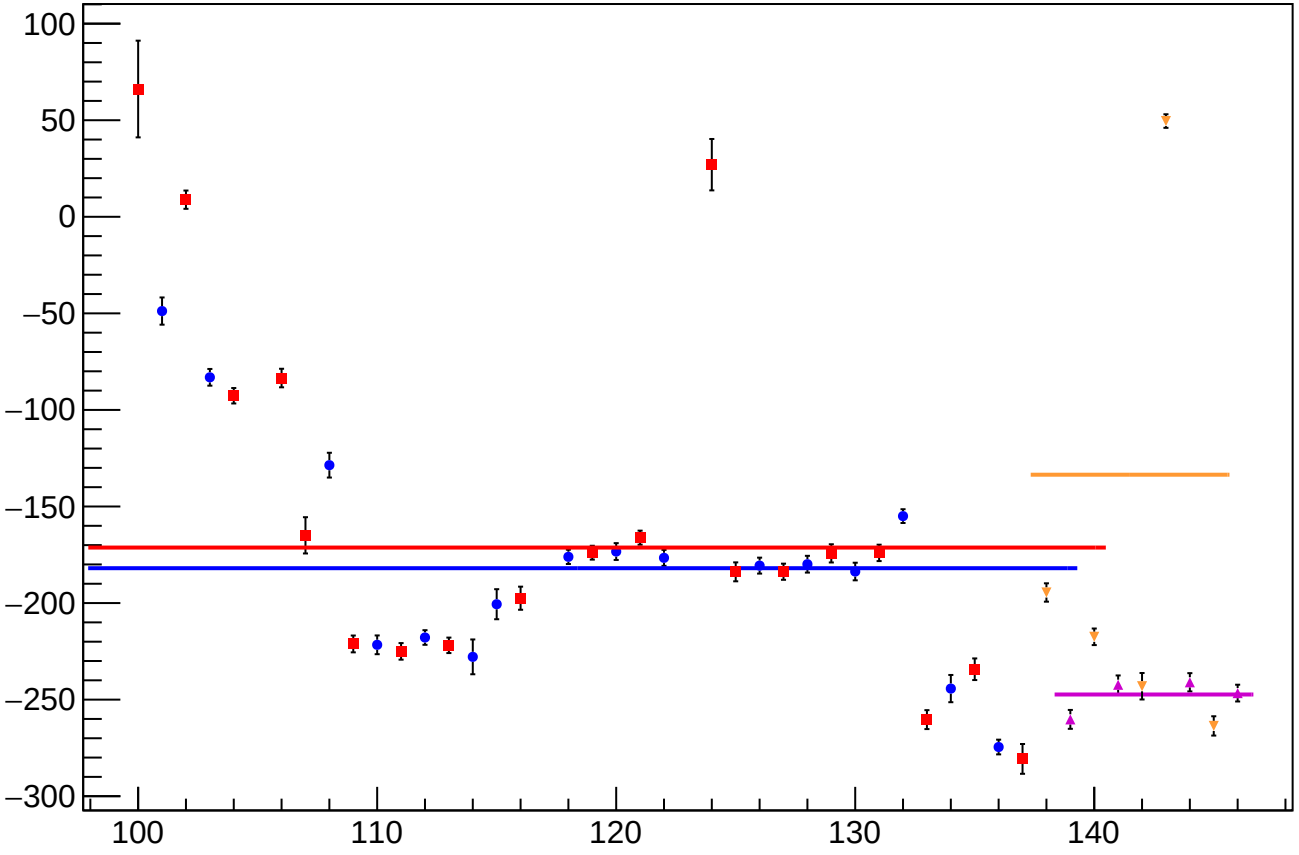
Left In: -13.505+/-1.715 χ^2/NDF:50.2/3

+ sign 2.900+/-0.856 χ^2/NDF: 245.4/20

All: 1.213+/-0.611 χ^2/NDF: 525.4/43

- sign -0.538+/-0.872 χ^2/NDF: 272.1/22

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -133.542+/-2.038 χ^2/NDF:4192.5/4

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

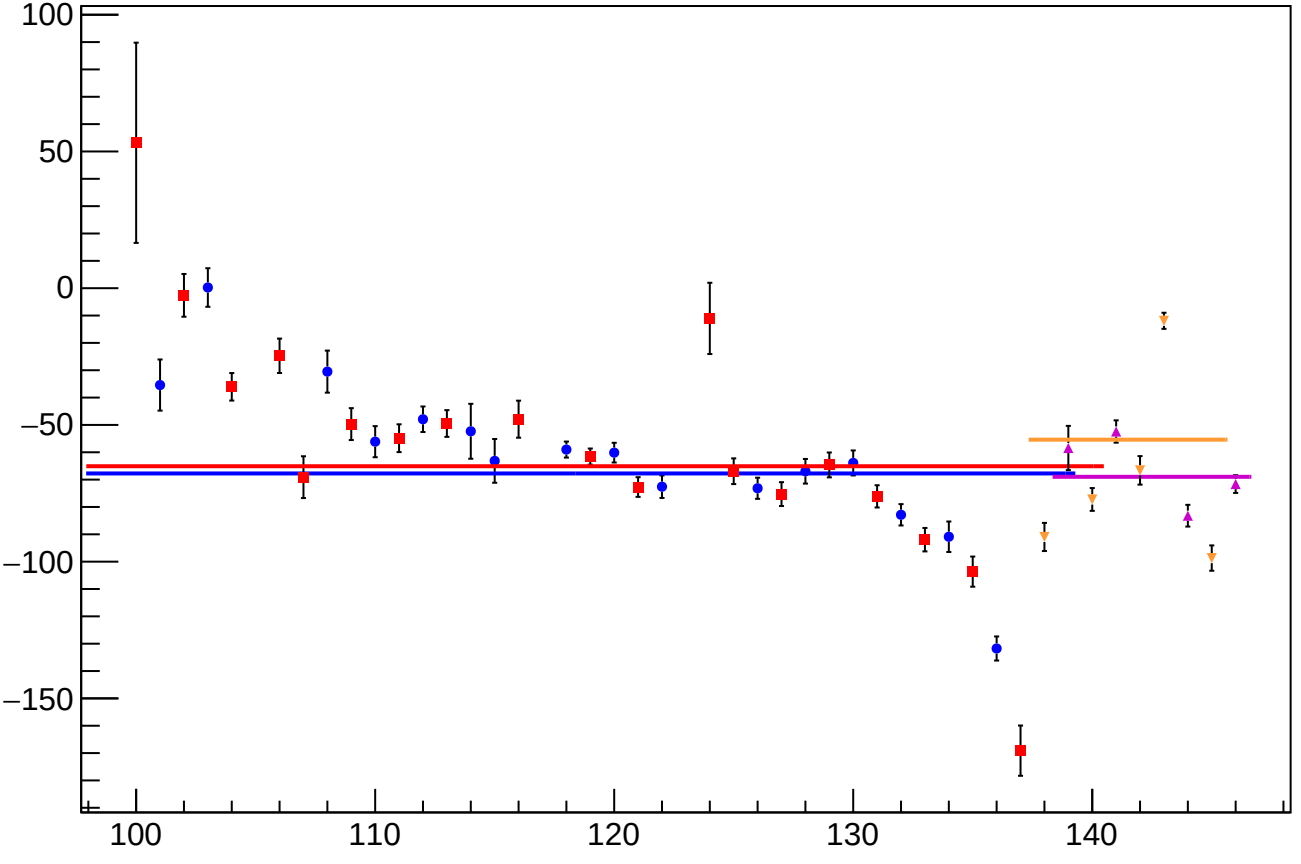
Left In: -247.343+/-2.339 χ^2/NDF:9.9/3

+ sign -170.191+/-1.004 χ^2/NDF: 6490.3/20

All: -177.734+/-0.710 χ^2/NDF: 11104.3/43

- sign -185.269+/-1.004 χ^2/NDF: 4501.3/22

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -55.395+/-1.843 χ^2/NDF:385.9/4

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

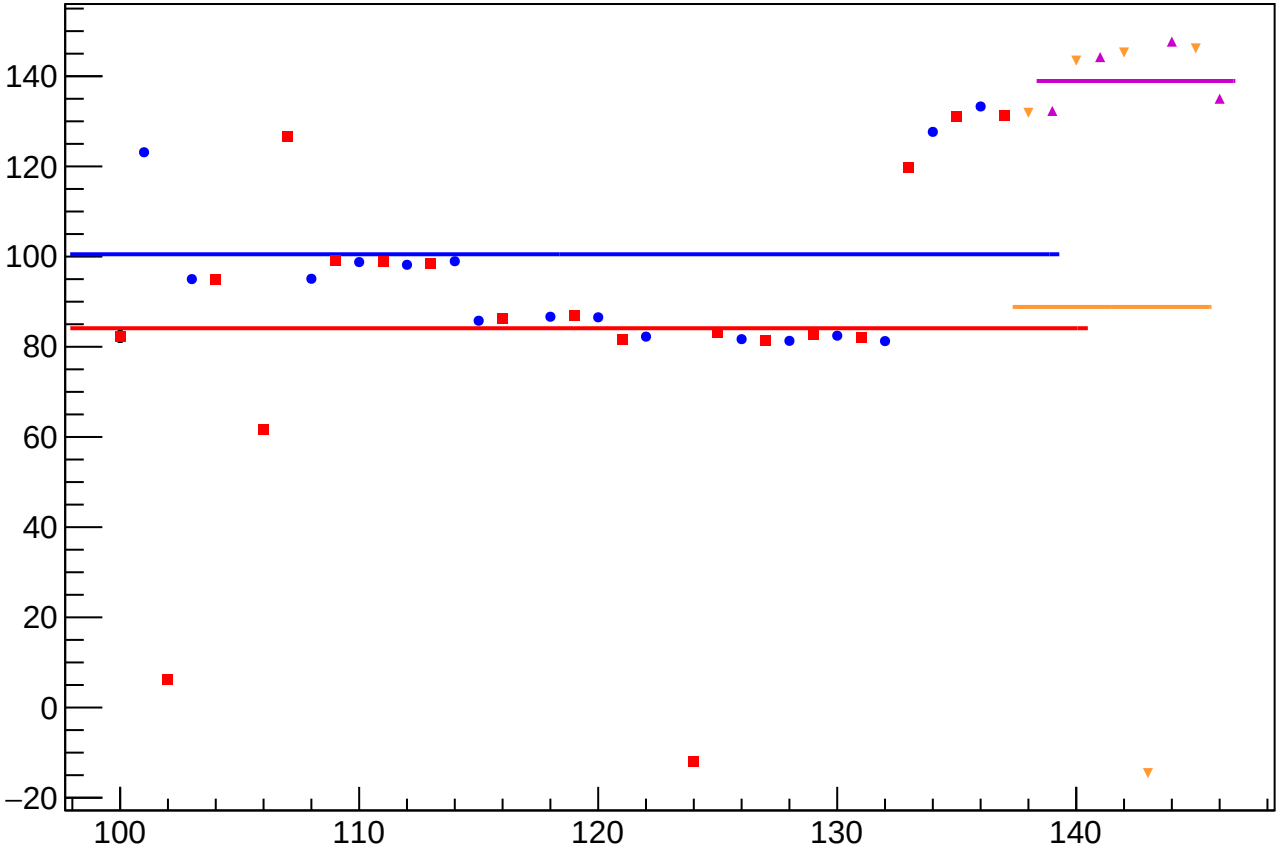
Left In: -68.974+/-2.069 χ^2/NDF:31.6/3

+ sign -64.151+/-0.994 χ^2/NDF: 831.8/20

All: -65.074+/-0.711 χ^2/NDF: 1296.9/43

- sign -66.038+/-1.016 χ^2/NDF: 463.3/22

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 88.838+/-0.085 χ^2/NDF:758227.9/4

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

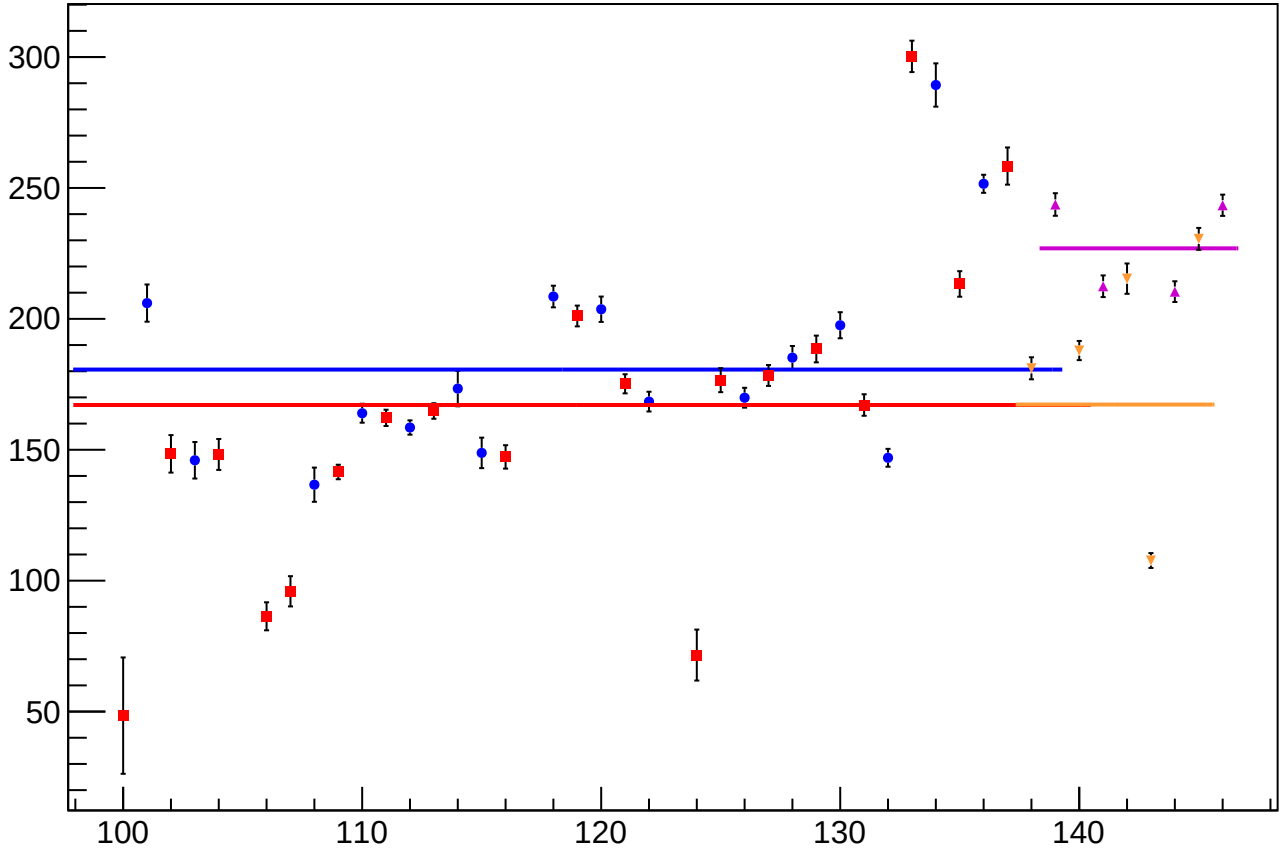
Left In: 138.947+/-0.096 χ^2/NDF:4319.2/3

+ sign 95.454+/-0.056 χ^2/NDF: 836500.8/20

All: 99.194+/-0.039 χ^2/NDF: 1329722.8/43

- sign 102.986+/-0.056 χ^2/NDF: 484130.5/22

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: 167.266+/-1.710 χ^2/NDF:780.2/4

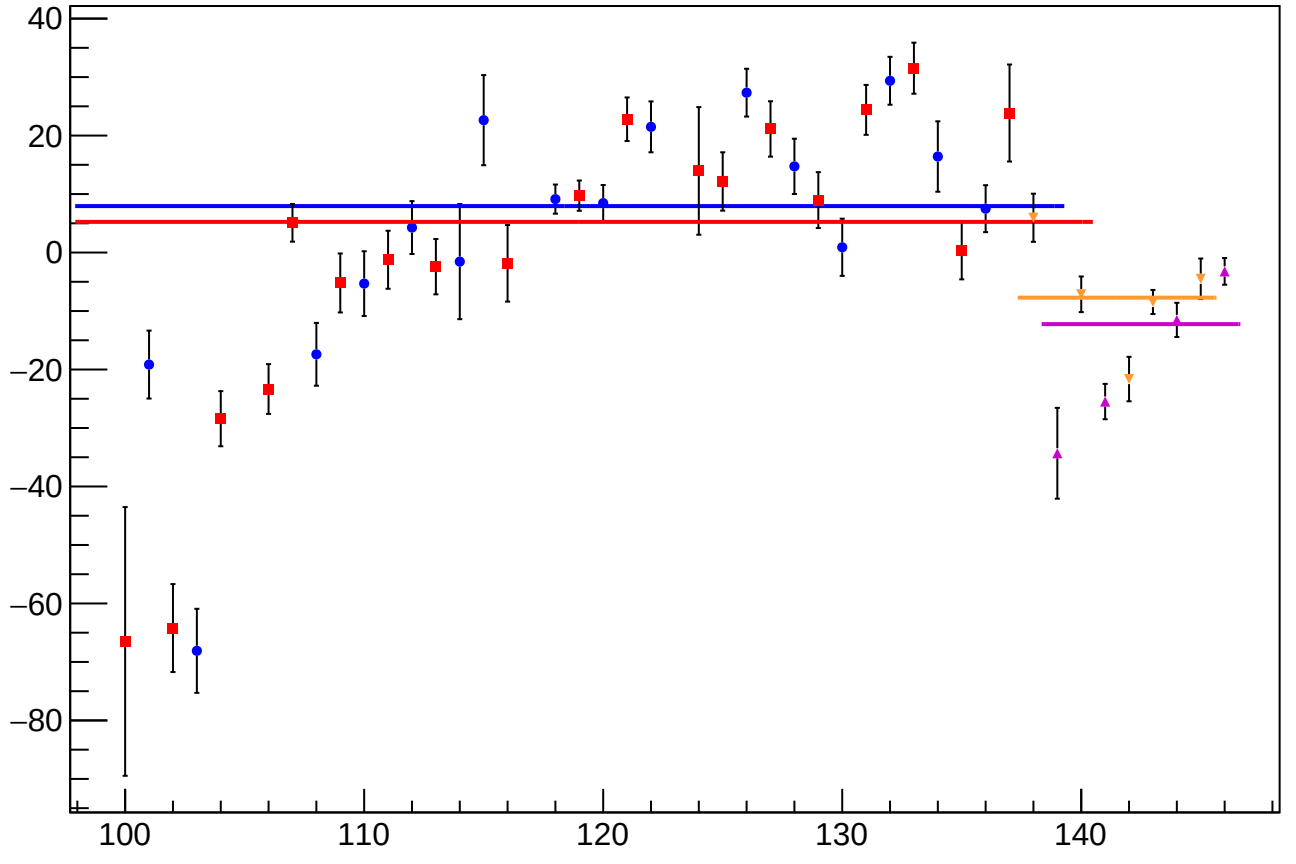
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

+ sign 176.775+/-0.919 χ^2/NDF: 1817.0/20

All: 177.865+/-0.648 χ^2/NDF: 4045.6/43

- sign 178.943+/-0.914 χ^2/NDF: 2225.7/22



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.712+/-1.342 χ^2/NDF:25.5/4

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

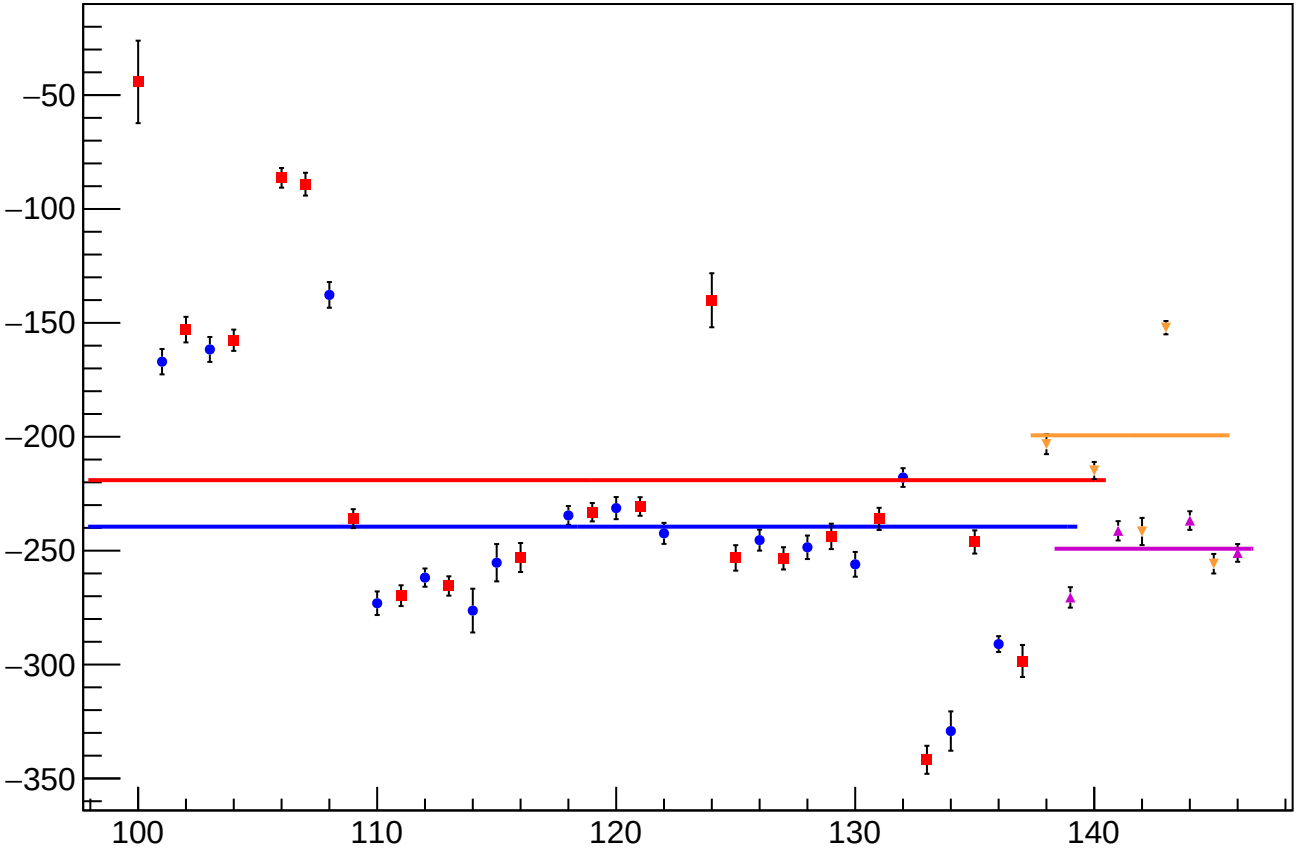
Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

+ sign 1.563+/-0.857 χ^2/NDF: 338.9/20

All: 0.541+/-0.610 χ^2/NDF: 777.0/43

- sign -0.513+/-0.870 χ^2/NDF: 435.1/22

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: -199.365+/-1.763 χ^2/NDF:501.5/4

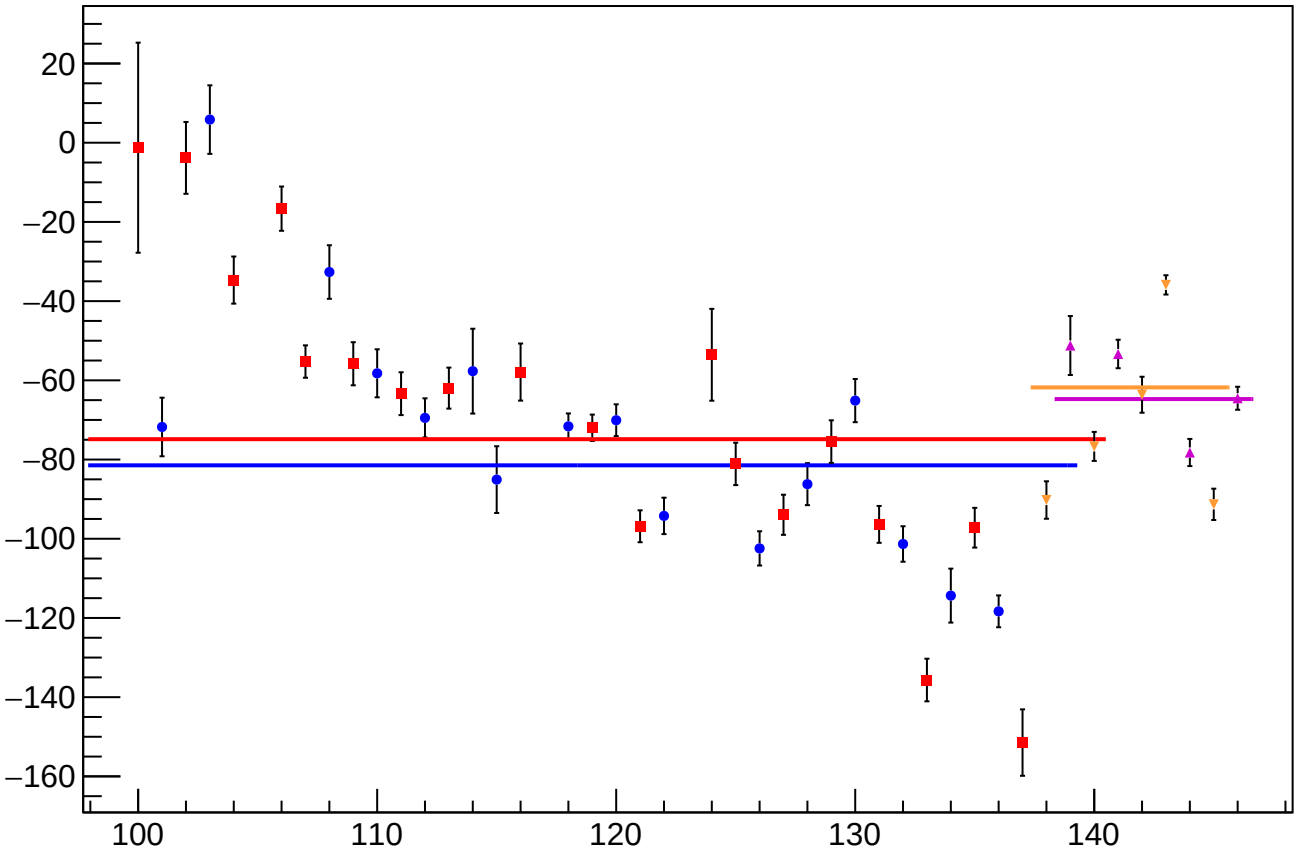
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

+ sign -226.118+/-1.017 χ^2/NDF: 2008.9/20

All: -226.236+/-0.722 χ^2/NDF: 5252.6/43

- sign -226.356+/-1.024 χ^2/NDF: 3243.7/22



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

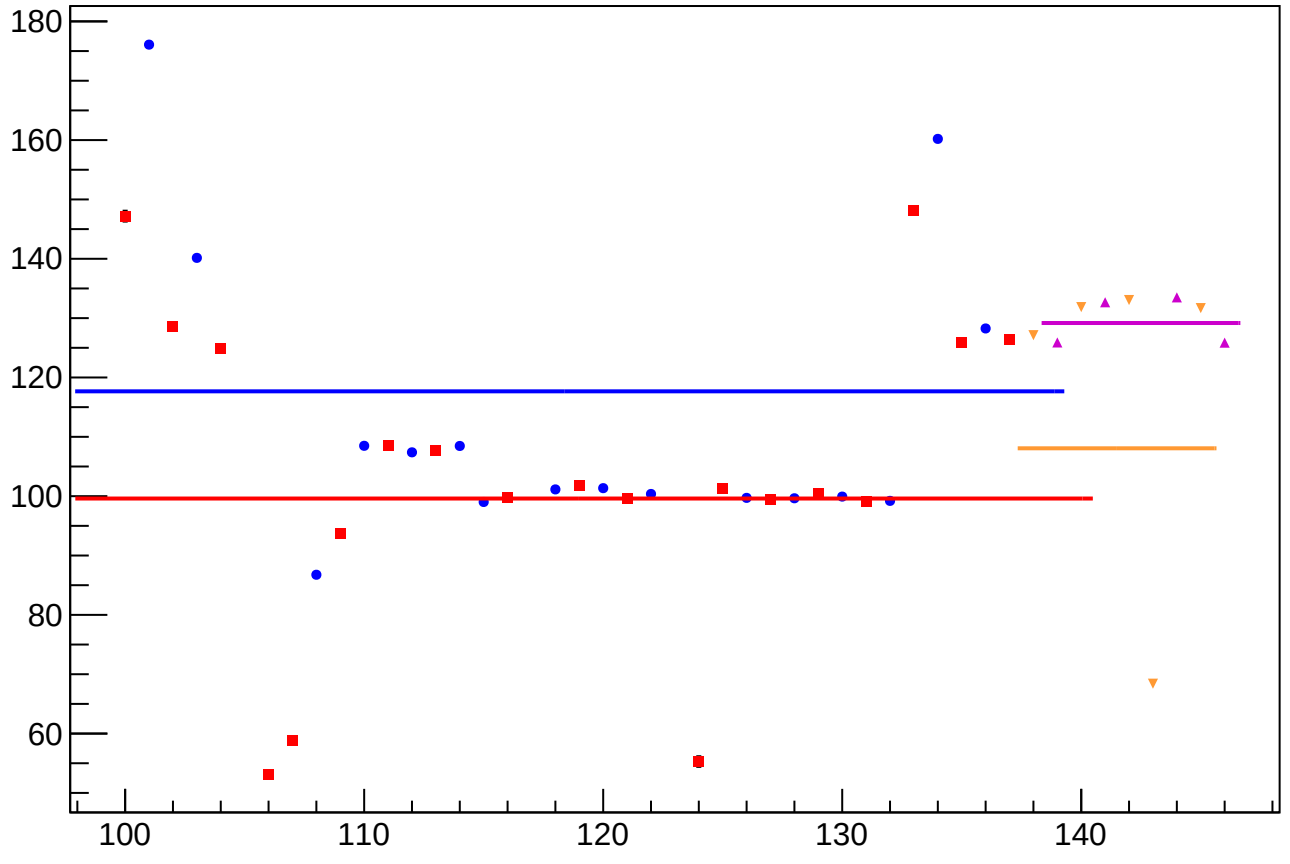
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

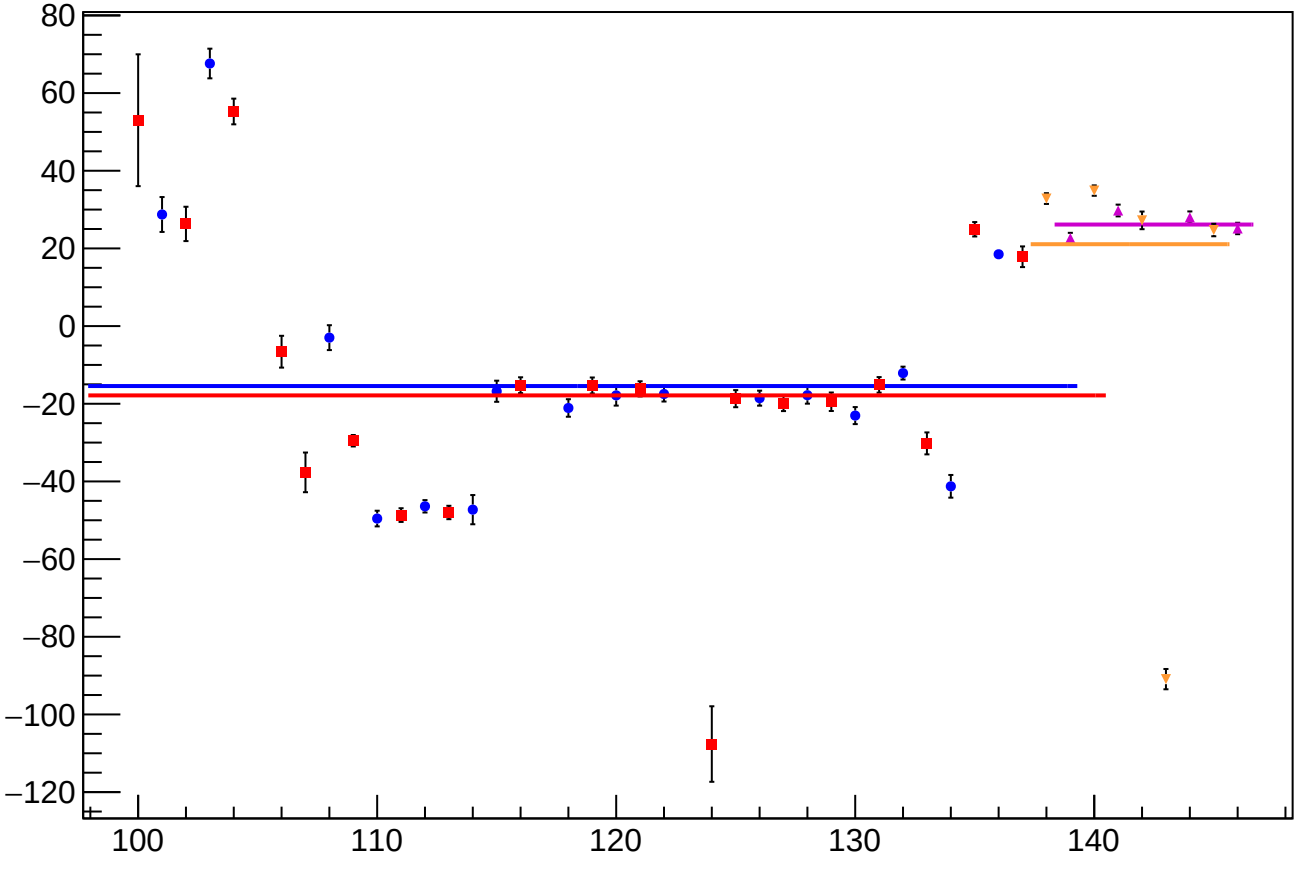
+ sign -73.619+/-0.998 χ^2/NDF: 681.2/20

All: -72.683+/-0.714 χ^2/NDF: 1309.6/43

- sign -71.704+/-1.021 χ^2/NDF: 626.6/22


reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug
180
160
140
120
100
80
60
100
110
120
130
140
Right In: 117.666+/-0.078 χ²/NDF: 95397.2/15
Left Out: 108.067+/-0.073 χ²/NDF:167652.8/4
Right Out: 99.604+/-0.070 χ²/NDF: 166236.0/18
Left In: 129.178+/-0.085 χ²/NDF:1773.8/3
+ sign 112.553+/-0.053 χ²/NDF: 271065.1/20
All: 112.073+/-0.038 χ²/NDF: 510898.7/43
- sign 111.581+/-0.054 χ²/NDF: 239670.7/22

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: 21.085+/-0.744 χ^2/NDF:2028.3/4

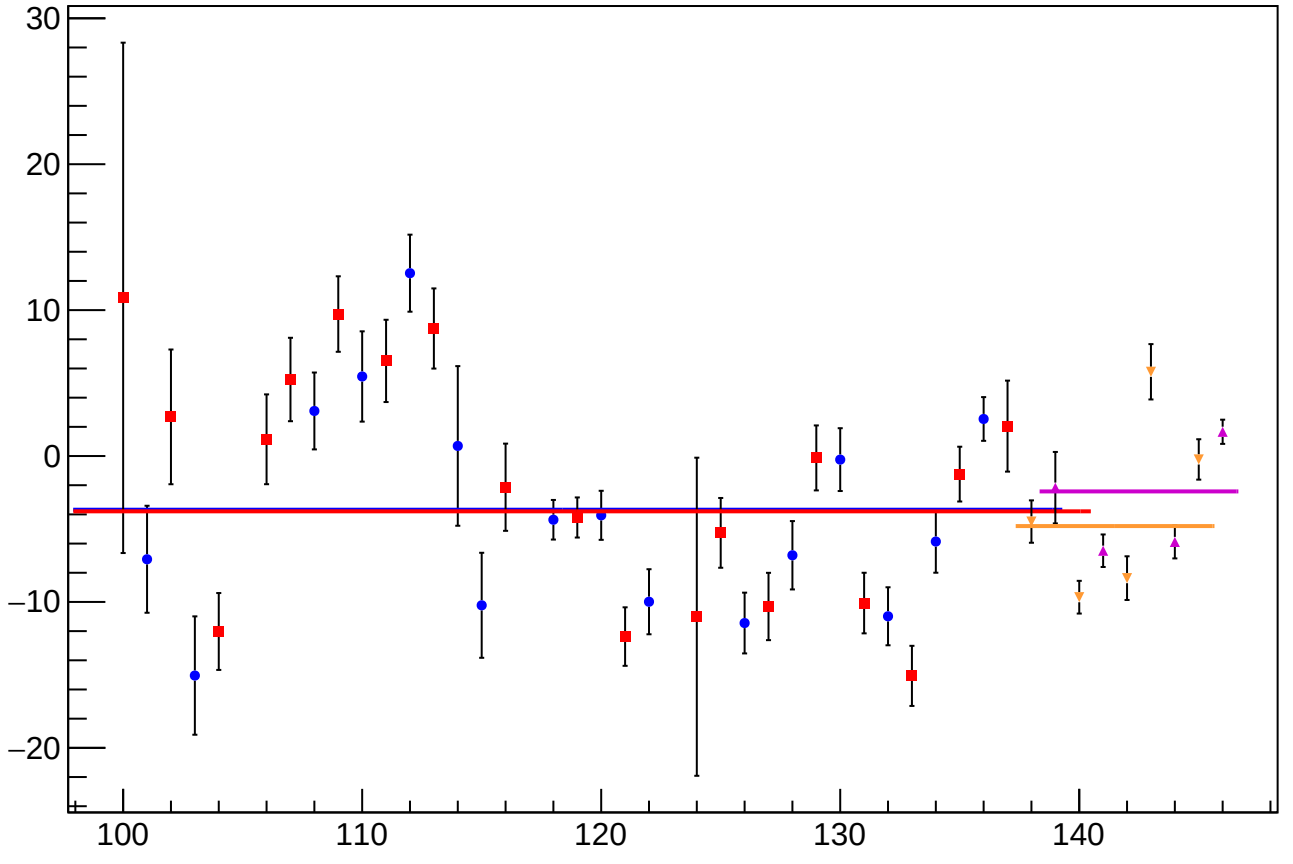
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.149+/-0.732 χ^2/NDF:14.2/3

\+ sign -2.868+/-0.437 χ^2/NDF: 5732.4/20

All: -2.792+/-0.306 χ^2/NDF: 10245.0/43

\- sign -2.718+/-0.429 χ^2/NDF: 4512.5/22



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -4.801+/-0.630 χ^2/NDF:66.6/4

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

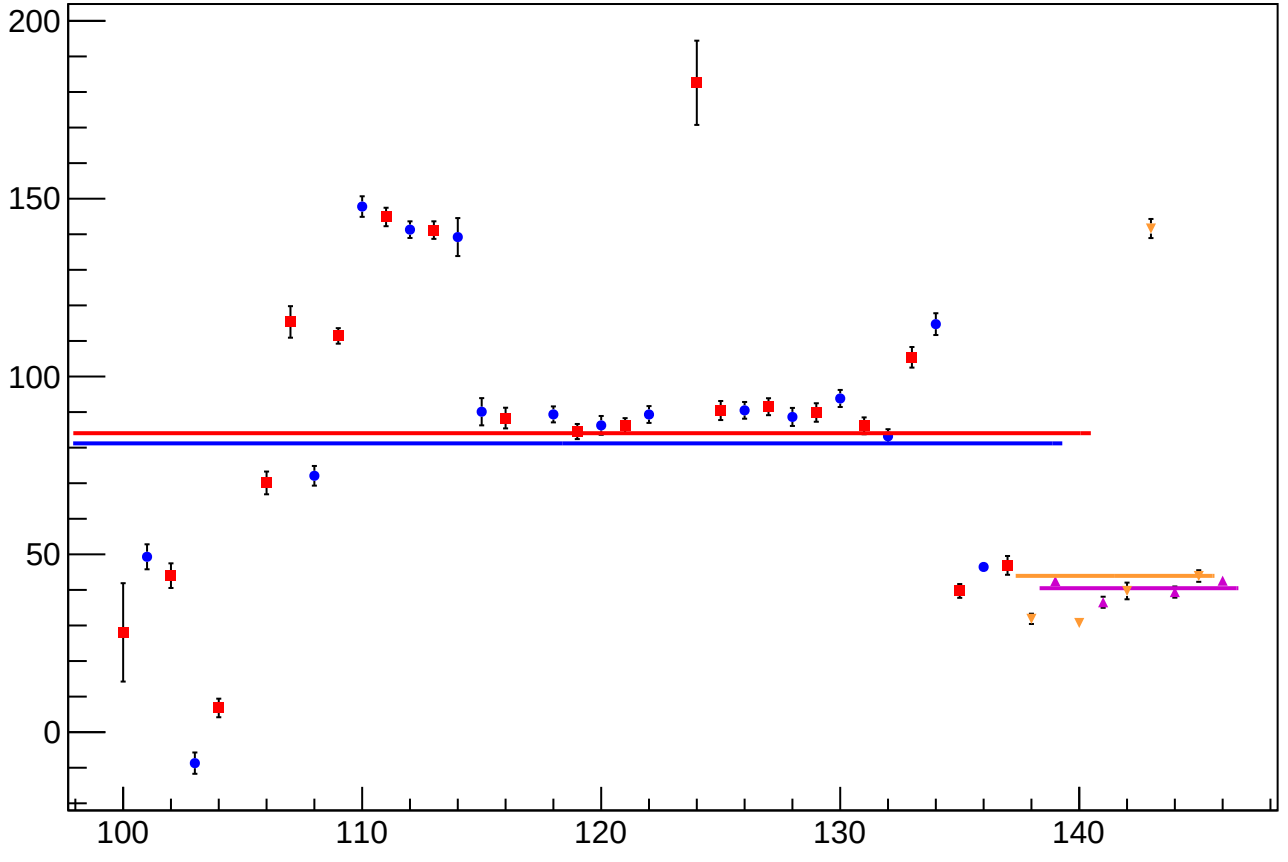
Left In: -2.425+/-0.558 χ^2/NDF:47.0/3

+ sign -4.166+/-0.415 χ^2/NDF: 192.4/20

All: -3.609+/-0.287 χ^2/NDF: 407.0/43

- sign -3.101+/-0.397 χ^2/NDF: 211.2/22

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.951+/-0.767 χ^2/NDF:1486.8/4

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

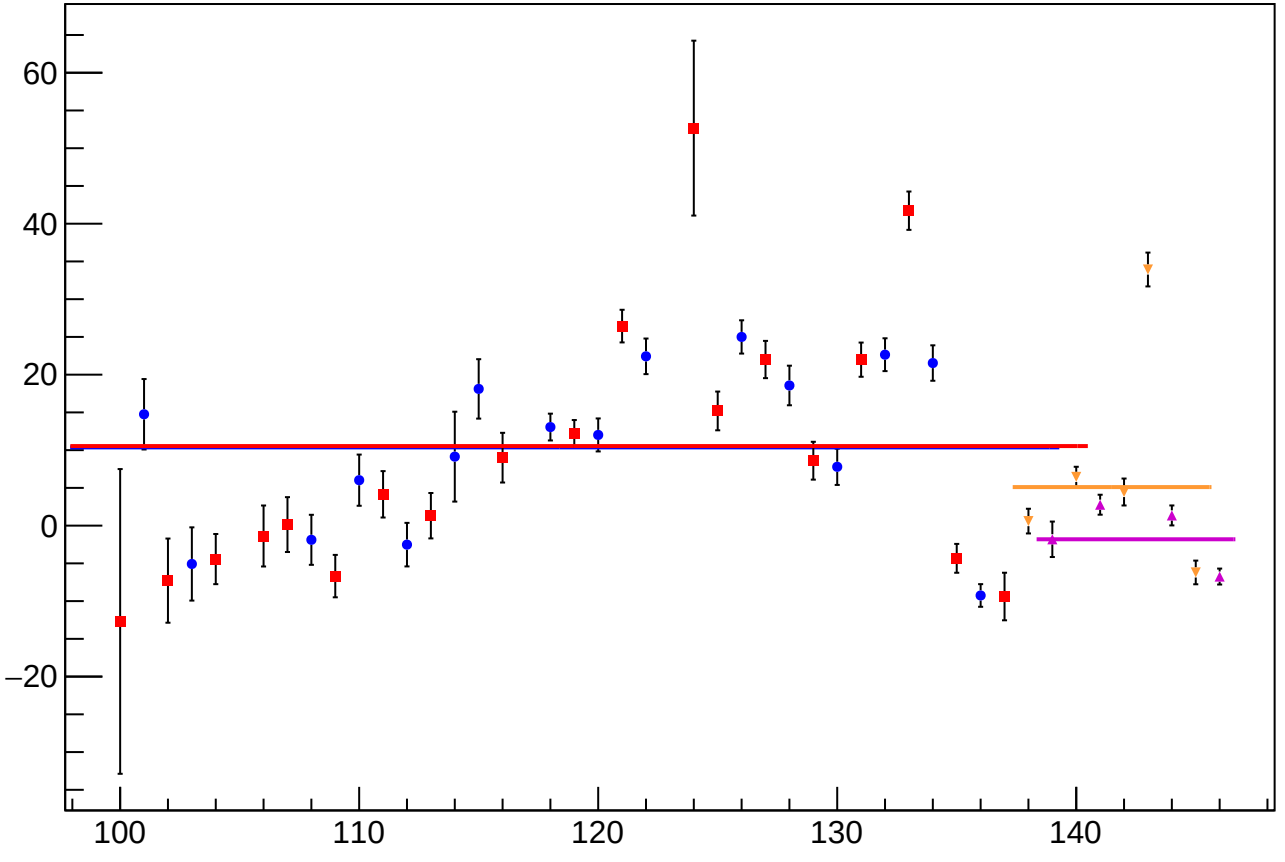
Left In: 40.482+/-0.741 χ^2/NDF:11.2/3

+ sign 66.856+/-0.476 χ^2/NDF: 6167.6/20

All: 66.552+/-0.336 χ^2/NDF: 11430.5/43

- sign 66.250+/-0.474 χ^2/NDF: 5262.1/22

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 5.106+/-0.735 χ^2/NDF:226.2/4

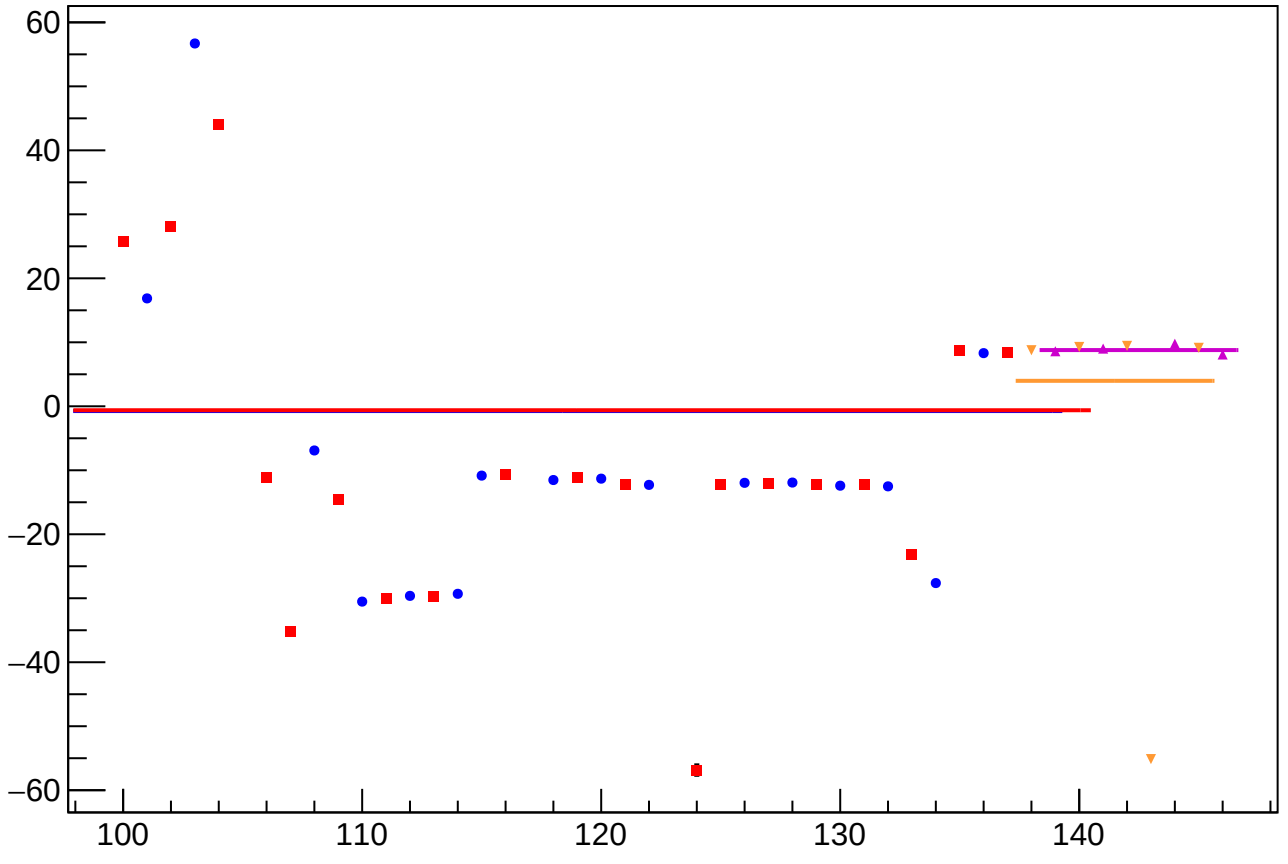
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.809+/-0.671 χ^2/NDF:39.6/3

+ sign 8.155+/-0.477 χ^2/NDF: 615.6/20

All: 6.352+/-0.332 χ^2/NDF: 1331.0/43

- sign 4.653+/-0.463 χ^2/NDF: 687.6/22



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.980+/-0.032 χ^2/NDF:304062.5/4

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

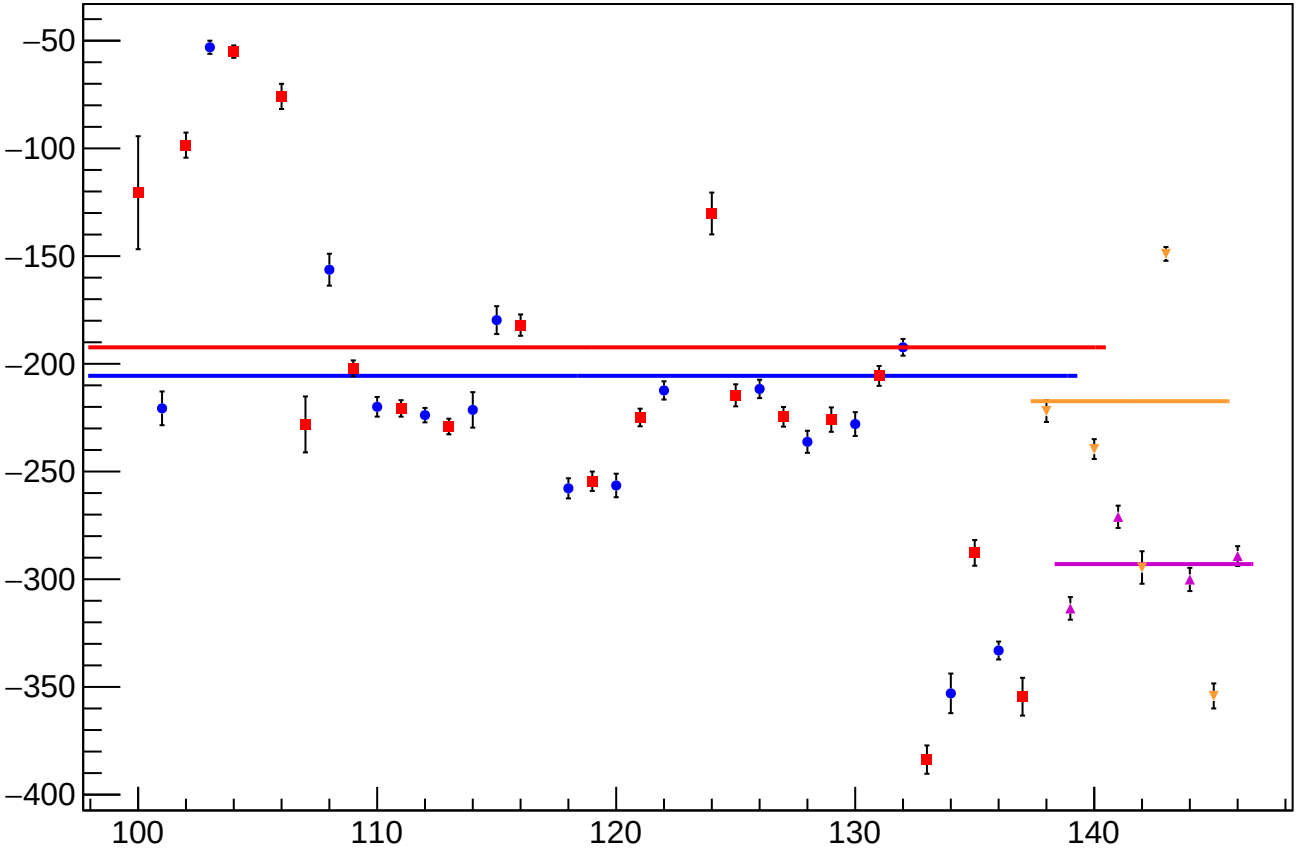
Left In: 8.785+/-0.030 χ^2/NDF:354.7/3

+ sign 1.922+/-0.024 χ^2/NDF: 681844.8/20

All: 3.534+/-0.017 χ^2/NDF: 1046443.3/43

- sign 5.103+/-0.023 χ^2/NDF: 355451.8/22

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -217.345+/-2.083 χ^2/NDF:1138.6/4

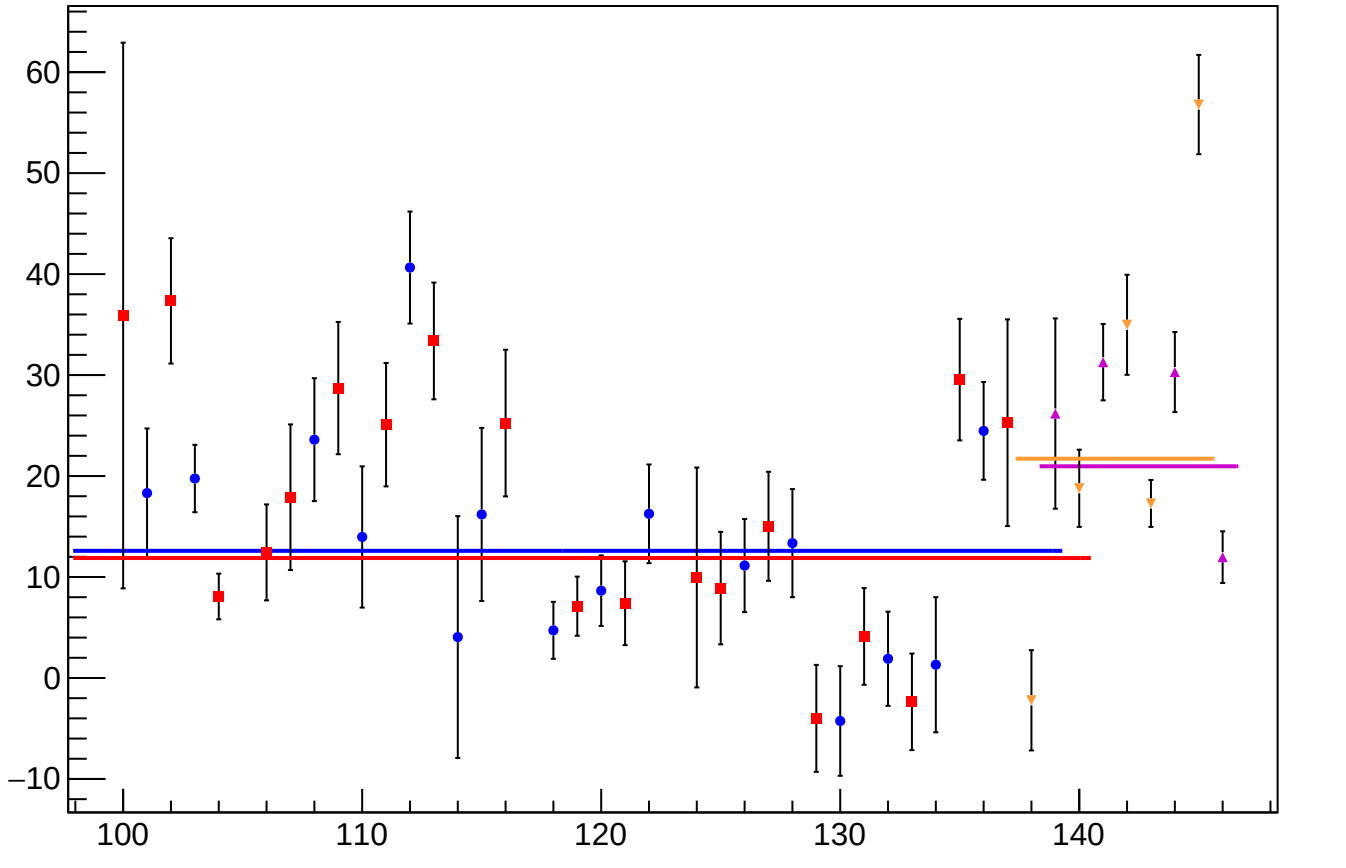
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -292.970+/-2.537 χ^2/NDF:35.8/3

+ sign -208.454+/-1.030 χ^2/NDF: 5218.7/20

All: -208.635+/-0.727 χ^2/NDF: 11539.7/43

- sign -208.815+/-1.027 χ^2/NDF: 6320.9/22



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 21.717+/-1.631 χ^2/NDF:85.5/4

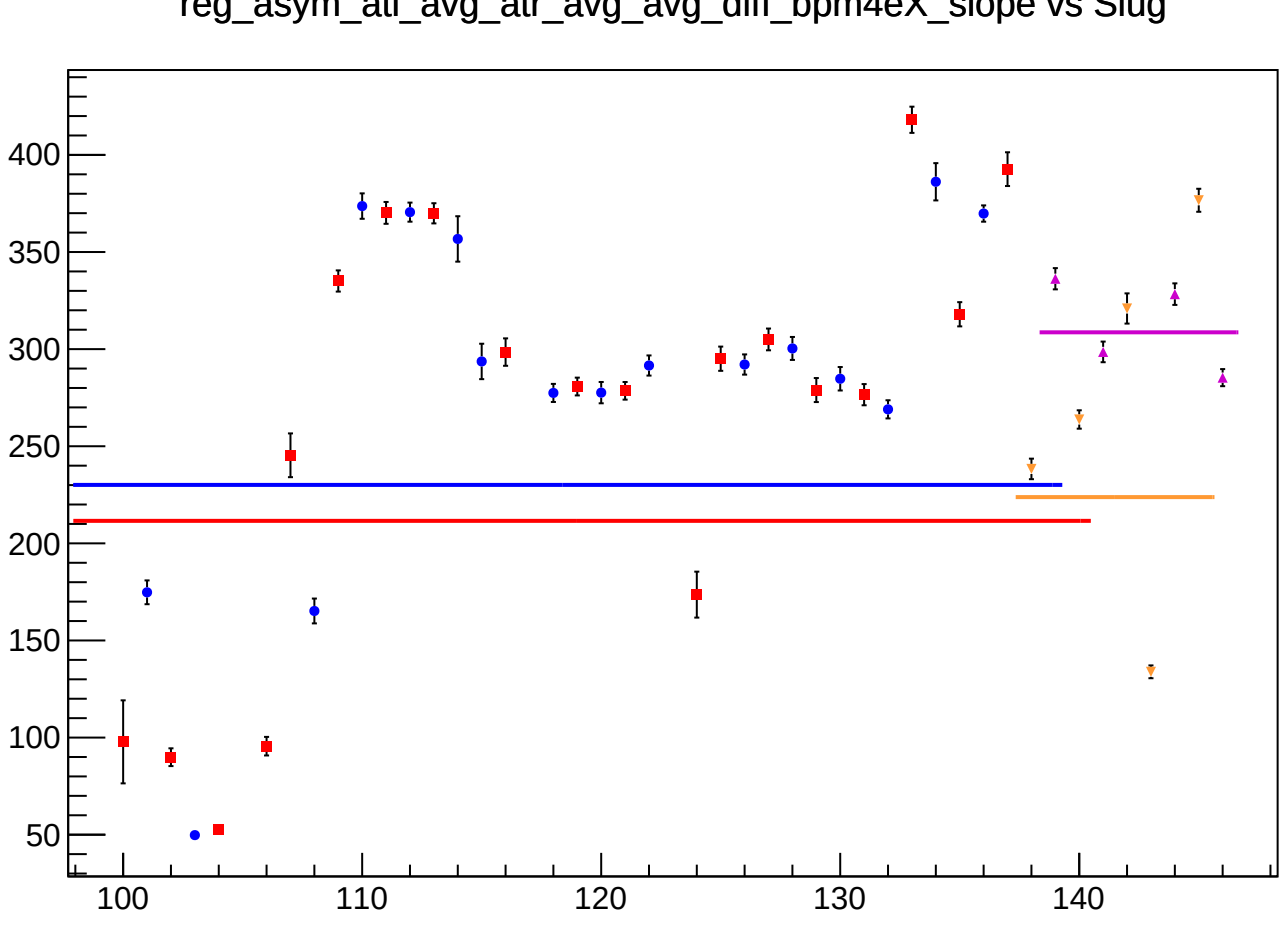
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 20.966+/-1.834 χ^2/NDF:25.6/3

+ sign 15.807+/-0.968 χ^2/NDF: 174.3/20

All: 15.072+/-0.680 χ^2/NDF: 303.8/43

- sign 14.353+/-0.957 χ^2/NDF: 128.4/22



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 223.813+/-2.145 χ^2/NDF:1644.2/4

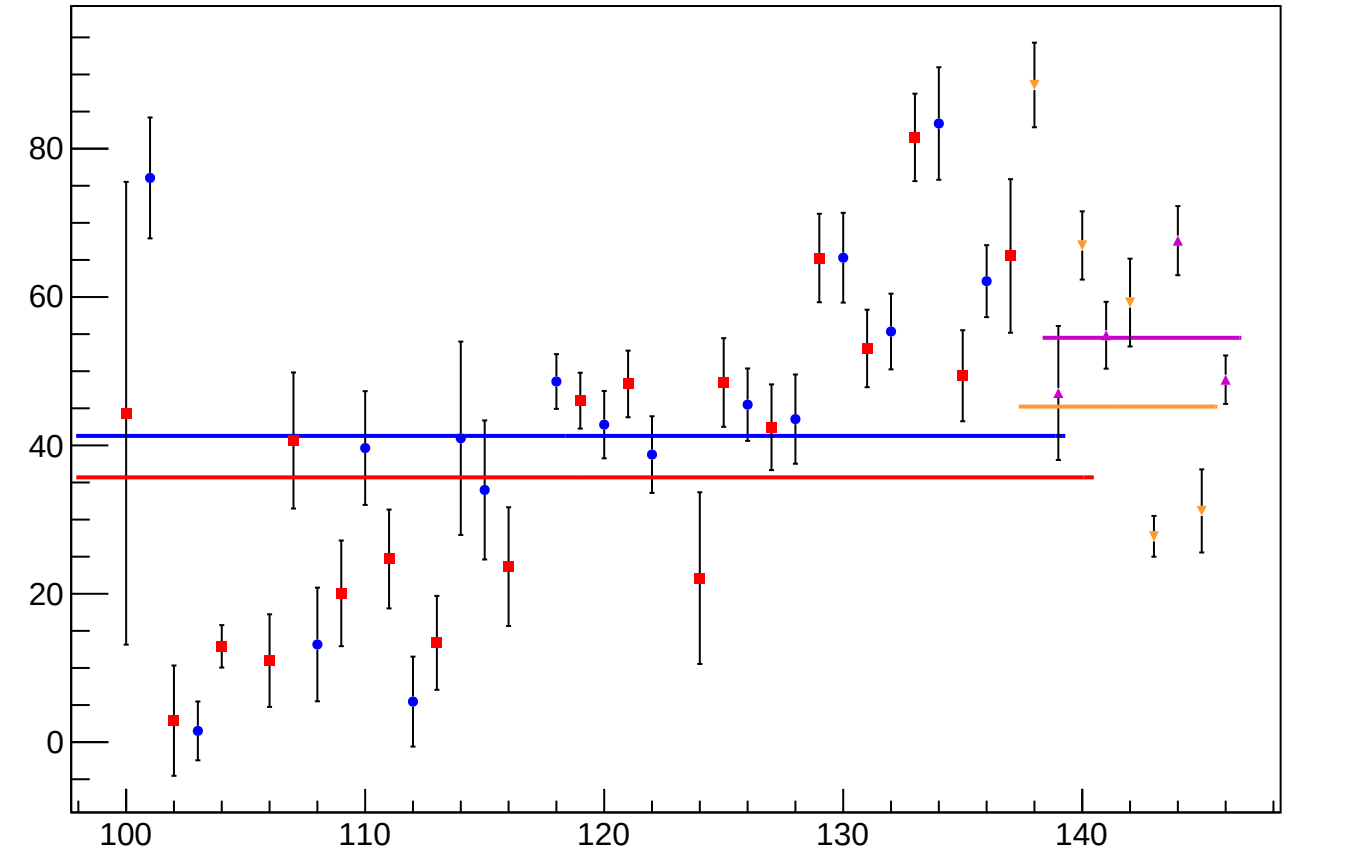
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 308.653+/-2.556 χ^2/NDF:69.7/3

+ sign 228.484+/-1.086 χ^2/NDF: 11026.2/20

All: 228.745+/-0.767 χ^2/NDF: 23751.5/43

- sign 229.004+/-1.083 χ^2/NDF: 12725.1/22



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 45.235+/-1.922 χ^2/NDF:132.5/4

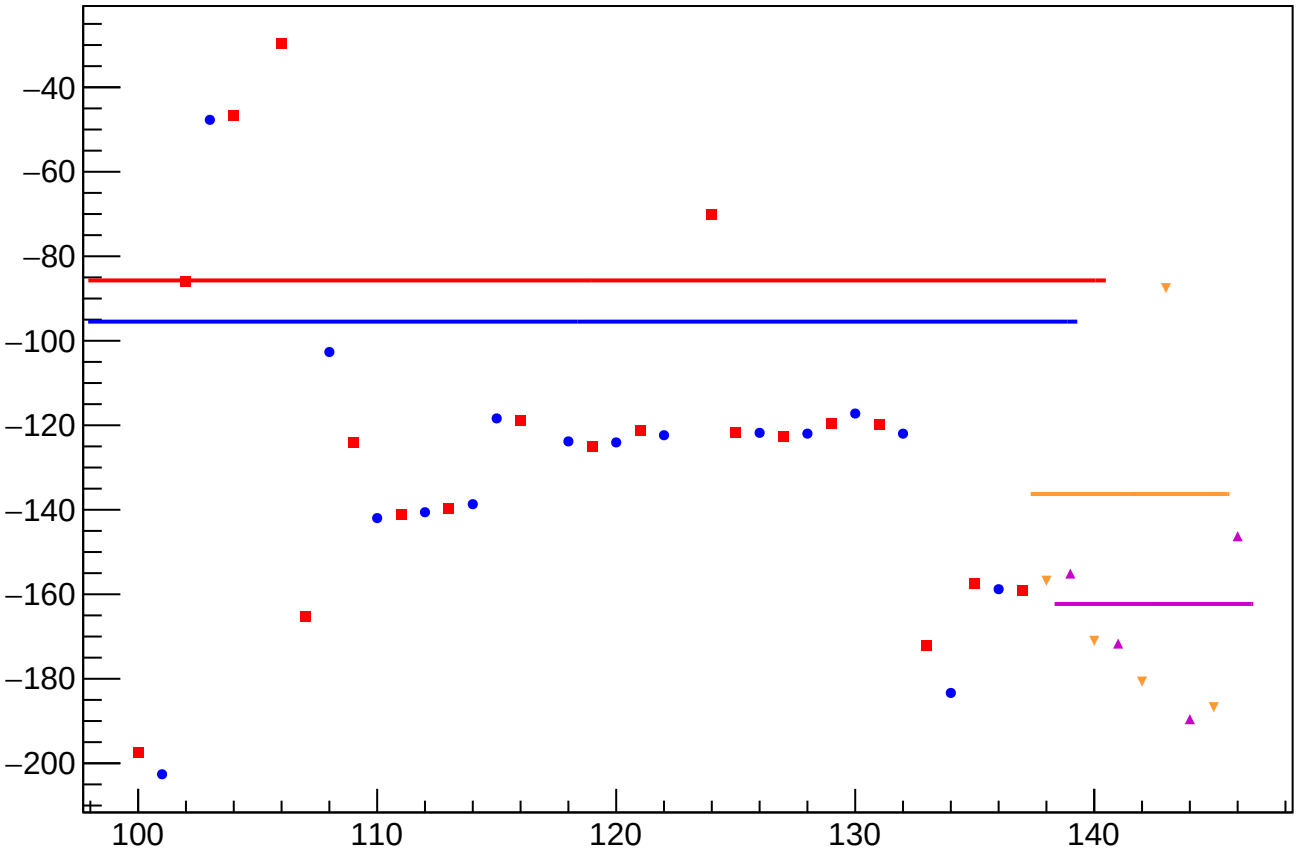
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 54.505+/-2.228 χ^2/NDF:11.6/3

+ sign 42.648+/-1.130 χ^2/NDF: 381.0/20

All: 41.609+/-0.800 χ^2/NDF: 700.3/43

- sign 40.564+/-1.134 χ^2/NDF: 317.6/22



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -136.275+/-0.089 χ^2/NDF:227697.6/4

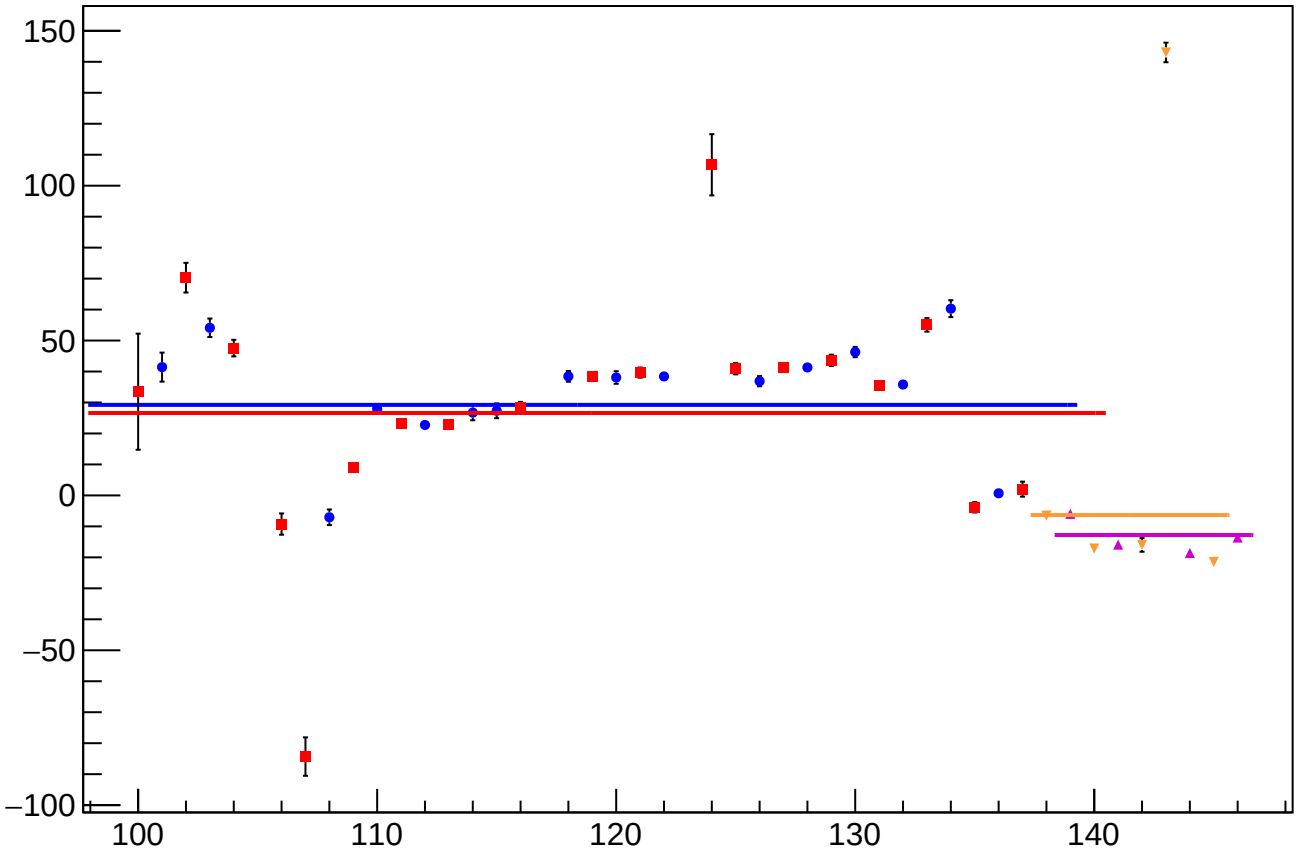
Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -162.290+/-0.105 χ^2/NDF:22420.1/3

+ sign -110.850+/-0.055 χ^2/NDF: 877780.0/20

All: -109.461+/-0.039 χ^2/NDF: 1764691.4/43

- sign -107.993+/-0.056 χ^2/NDF: 885591.2/22



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.343+/-0.713 χ^2/NDF:2426.5/4

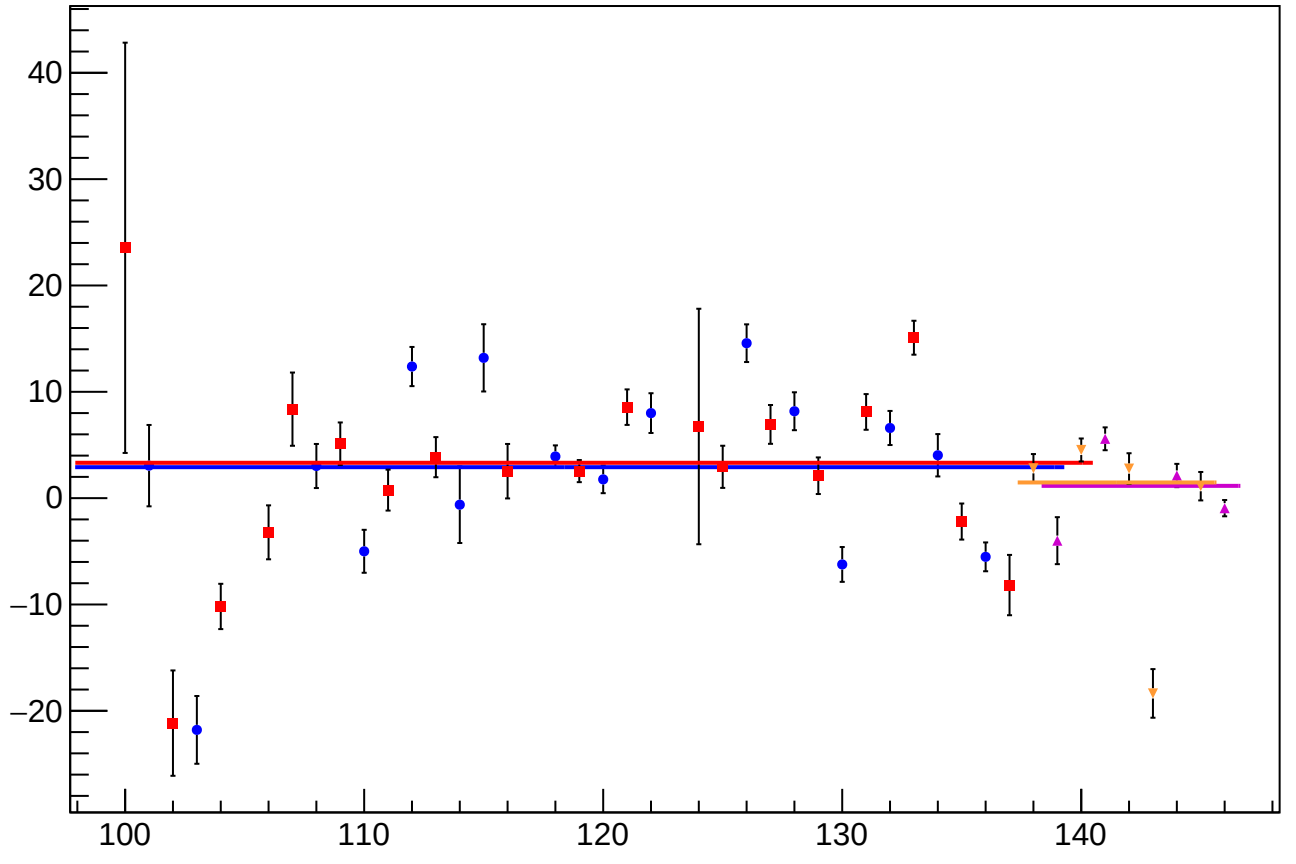
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.784+/-0.684 χ^2/NDF:51.2/3

\+ sign 19.932+/-0.365 χ^2/NDF: 5606.6/20

All: 17.933+/-0.254 χ^2/NDF: 10063.4/43

\- sign 16.047+/-0.354 χ^2/NDF: 4398.4/22



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.475+/-0.615 χ^2/NDF:85.1/4

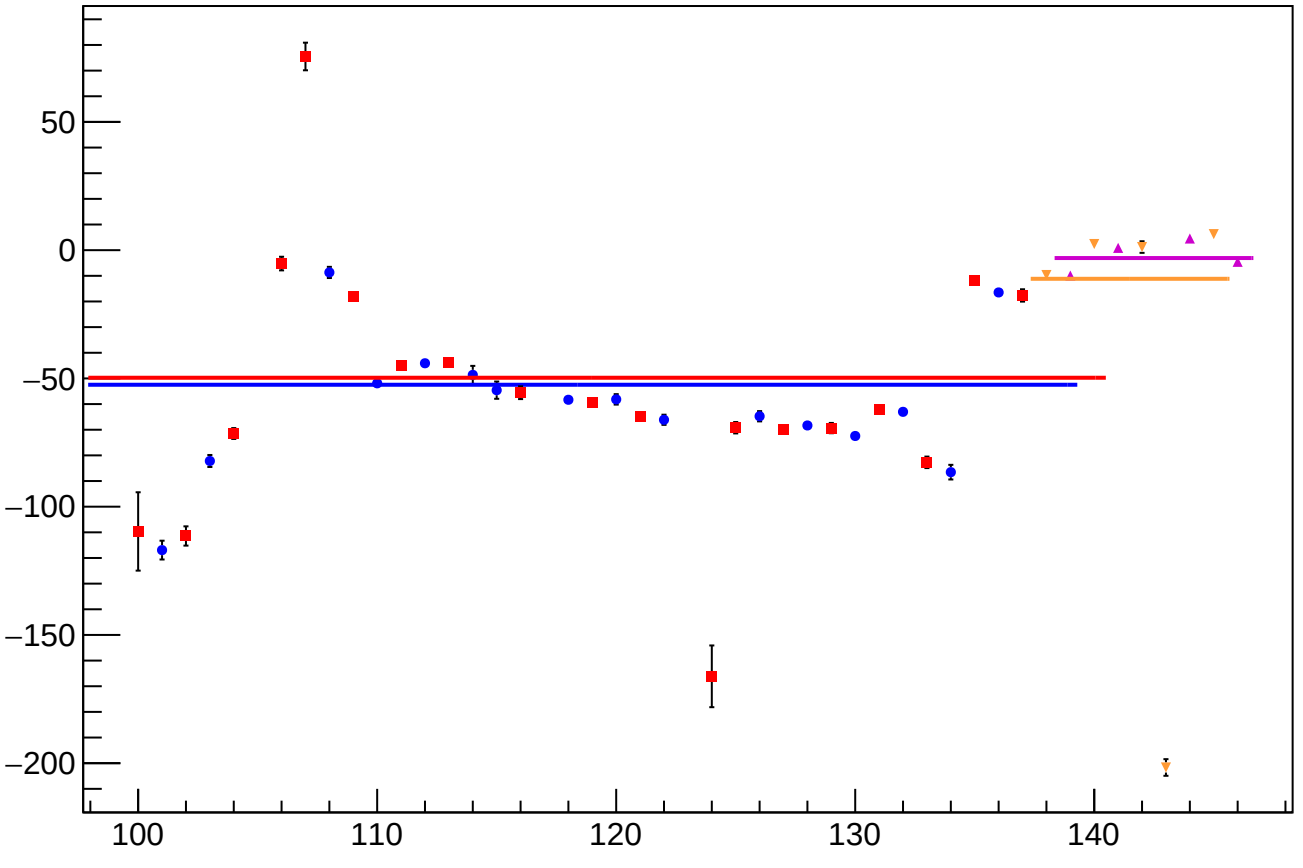
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.156+/-0.526 χ^2/NDF:30.7/3

+ sign 2.422+/-0.359 χ^2/NDF: 338.7/20

All: 2.411+/-0.248 χ^2/NDF: 561.0/43

- sign 2.400+/-0.343 χ^2/NDF: 222.3/22



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.160+/-0.735 χ^2/NDF:3706.2/4

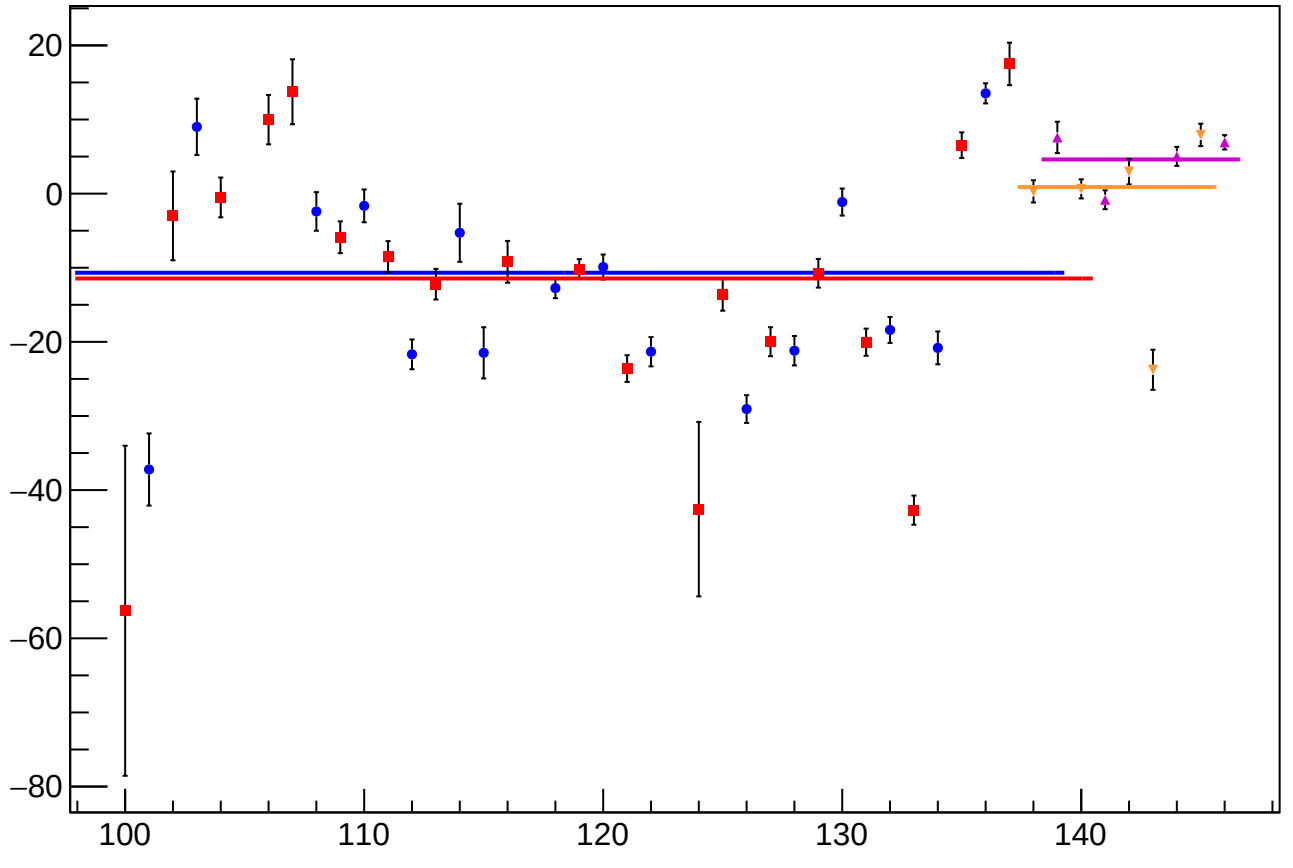
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.070+/-0.693 χ^2/NDF:61.9/3

+ sign -39.847+/-0.406 χ^2/NDF: 8227.4/20

All: -36.897+/-0.286 χ^2/NDF: 14409.8/43

- sign -34.008+/-0.402 χ^2/NDF: 6078.2/22



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.888+/-0.715 χ^2/NDF:106.3/4

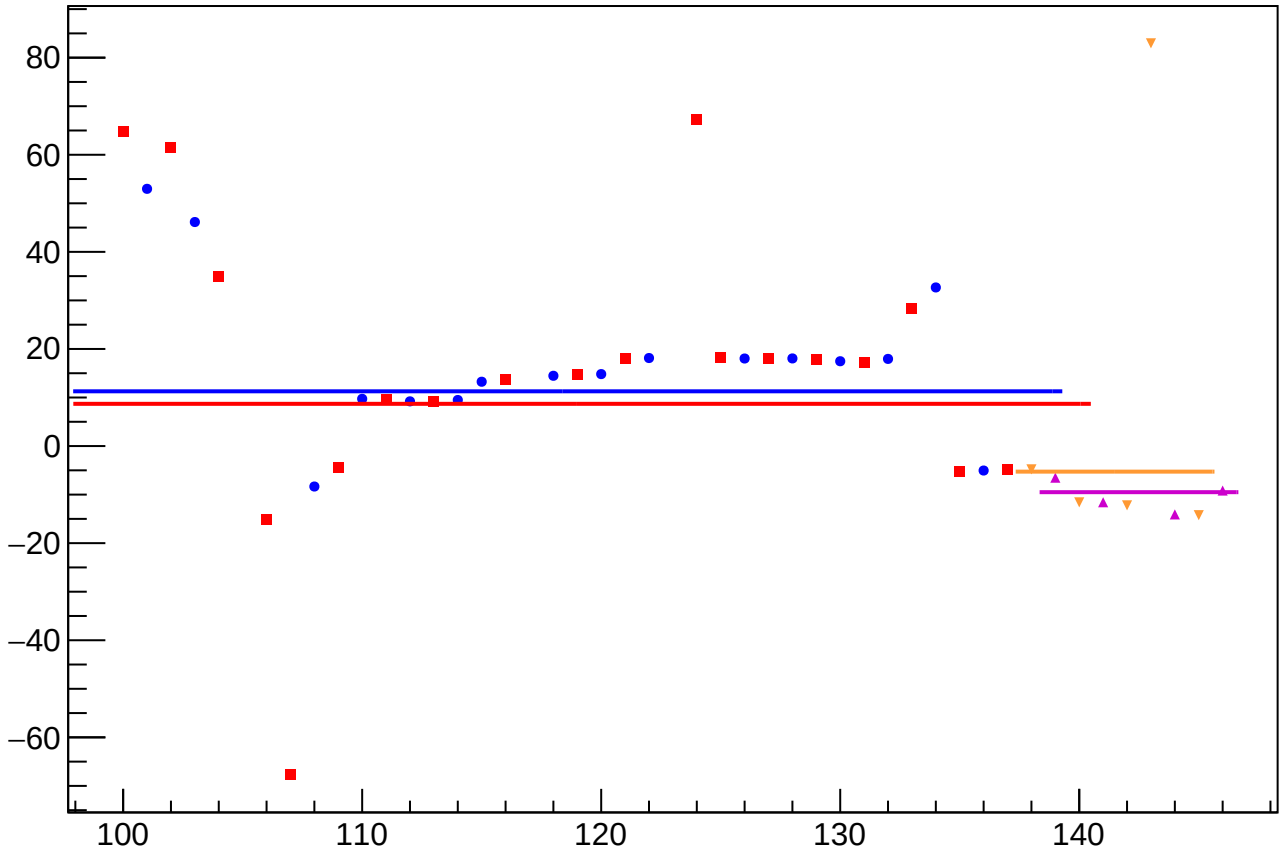
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.612+/-0.632 χ^2/NDF:26.0/3

\+ sign -6.825+/-0.413 χ^2/NDF: 947.0/20

All: -5.894+/-0.287 χ^2/NDF: 2036.2/43

\- sign -5.022+/-0.400 χ^2/NDF: 1079.4/22



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.268+/-0.030 χ^2/NDF:464678.9/4

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

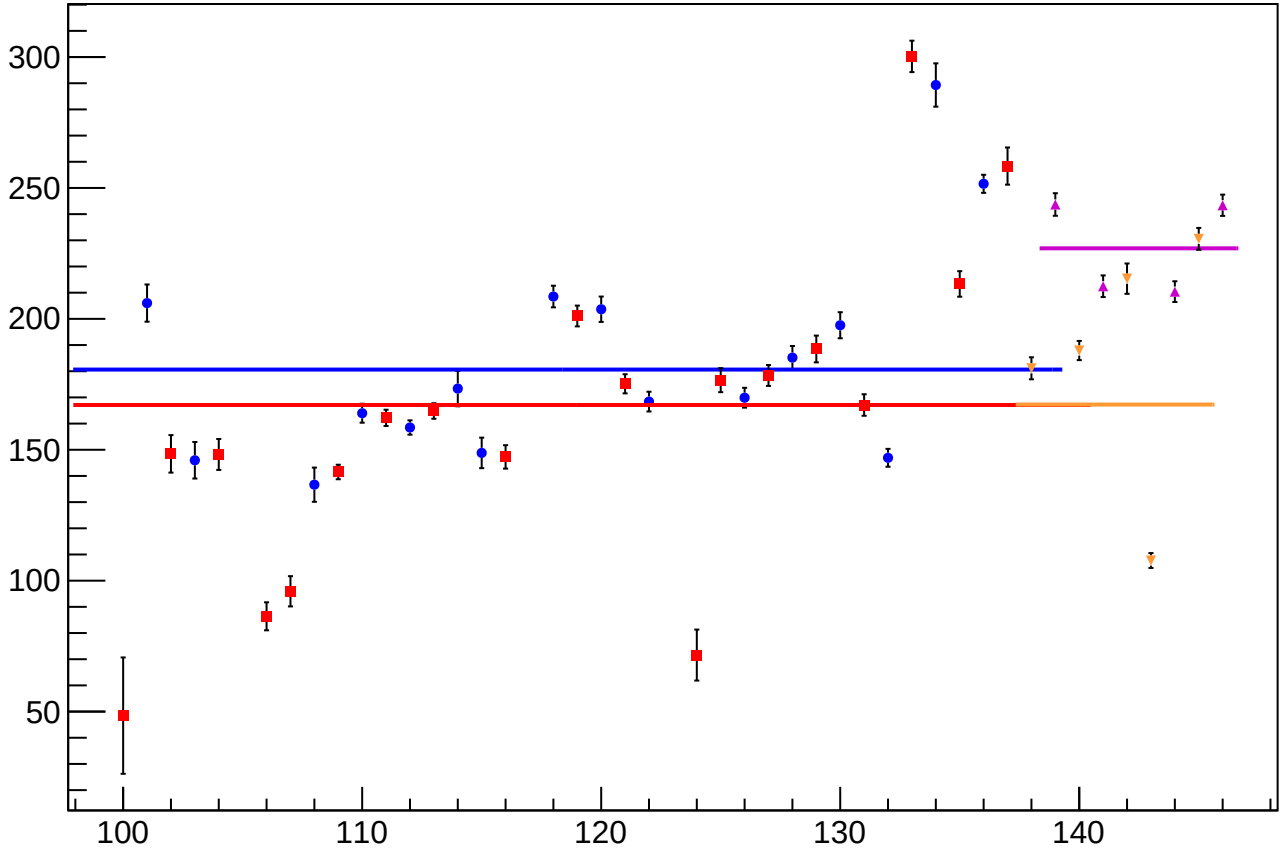
Left In: -9.499+/-0.028 χ^2/NDF:10005.3/3

+ sign 3.056+/-0.021 χ^2/NDF: 965933.6/20

All: 0.746+/-0.015 χ^2/NDF: 1623025.0/43

- sign -1.483+/-0.021 χ^2/NDF: 633816.5/22

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 167.266+/-1.710 χ^2/NDF:780.2/4

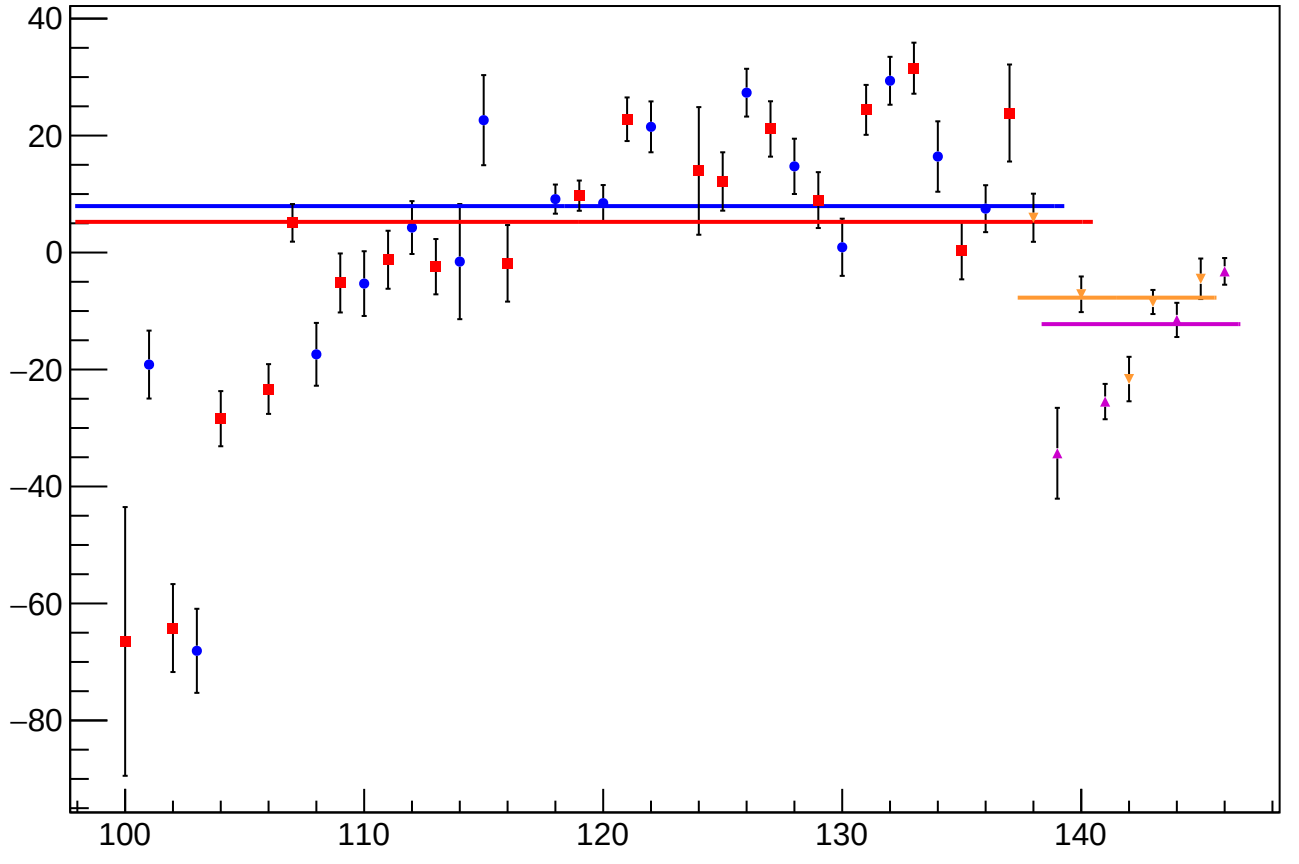
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

+ sign 176.775+/-0.919 χ^2/NDF: 1817.0/20

All: 177.865+/-0.648 χ^2/NDF: 4045.6/43

- sign 178.943+/-0.914 χ^2/NDF: 2225.7/22



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.712+/-1.342 χ^2/NDF:25.5/4

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

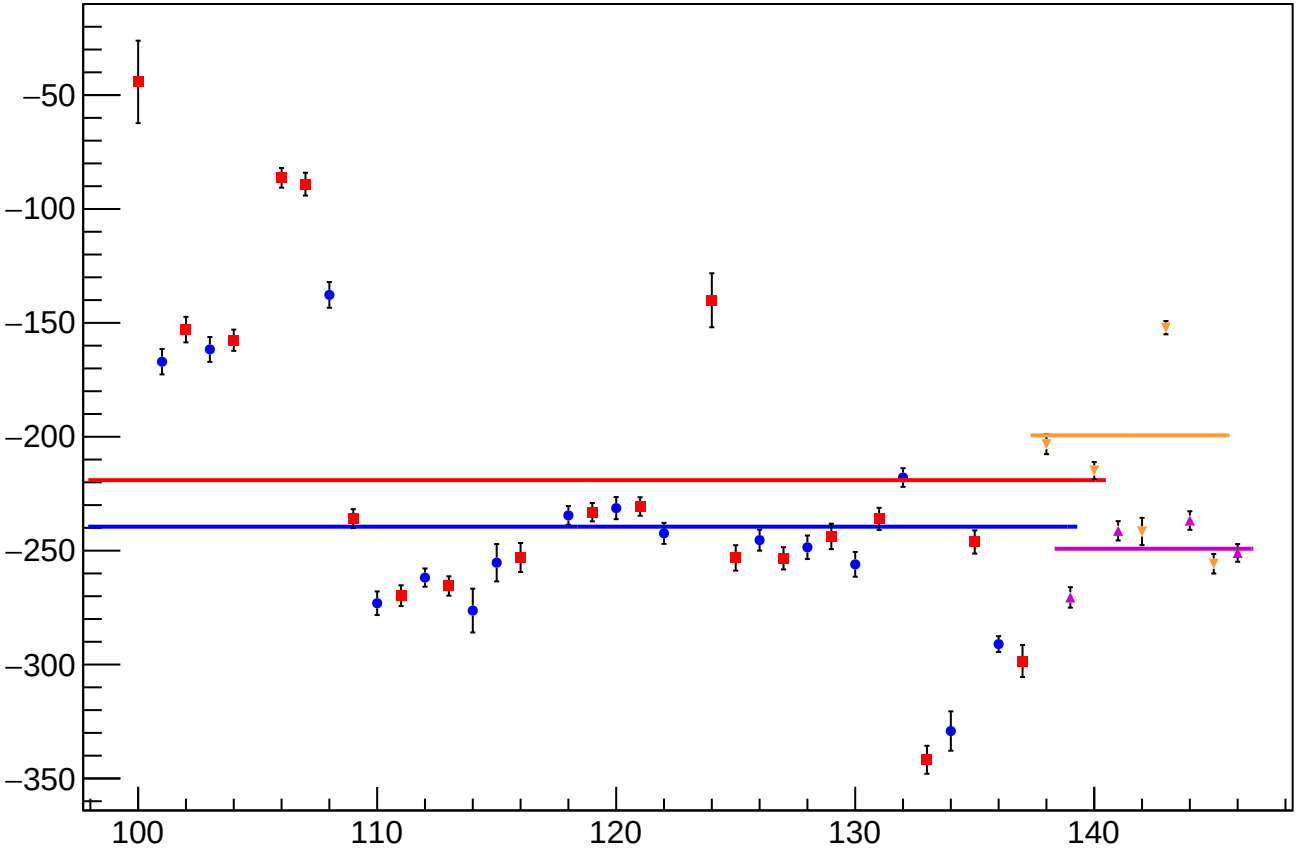
Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

+ sign 1.563+/-0.857 χ^2/NDF: 338.9/20

All: 0.541+/-0.610 χ^2/NDF: 777.0/43

- sign -0.513+/-0.870 χ^2/NDF: 435.1/22

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -199.365+/-1.763 χ^2/NDF:501.5/4

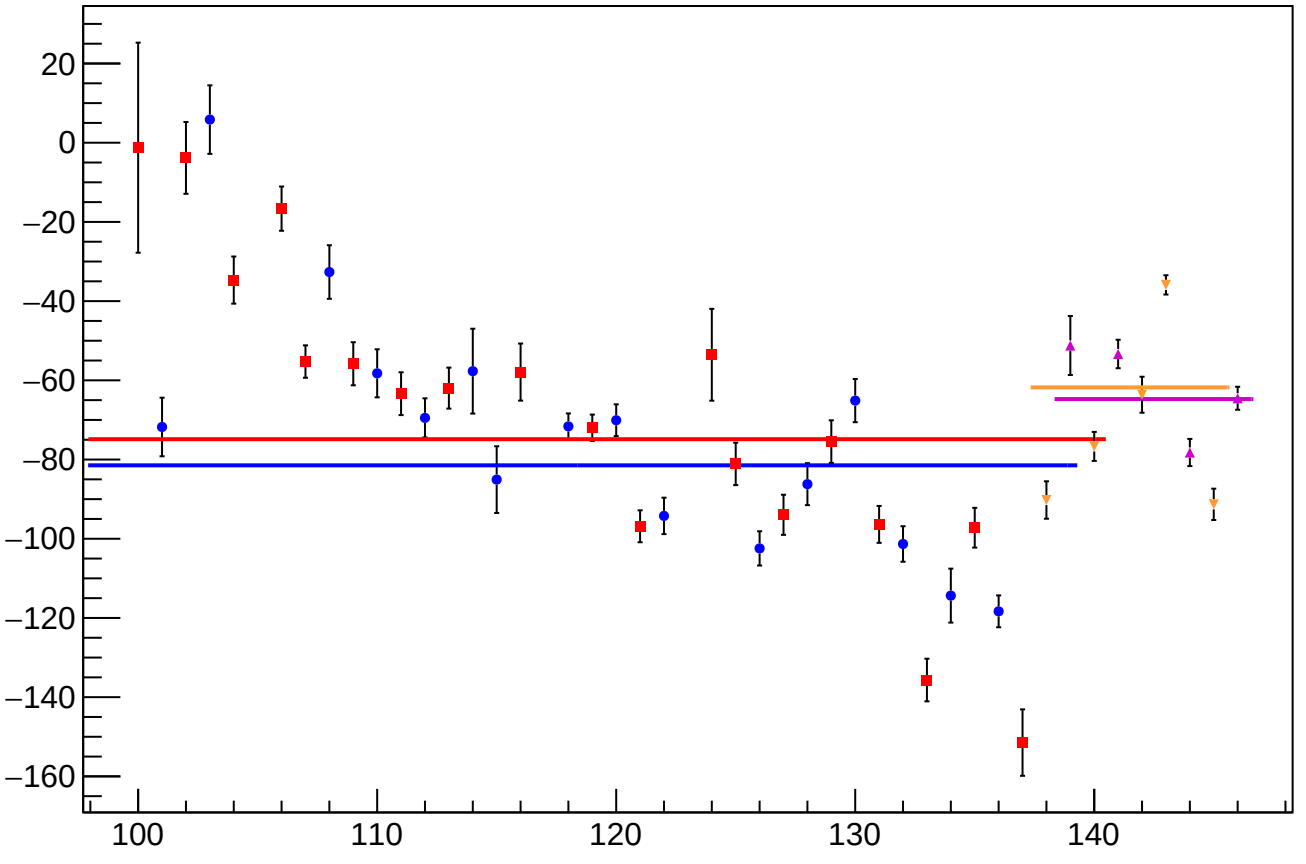
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

+ sign -226.118+/-1.017 χ^2/NDF: 2008.9/20

All: -226.236+/-0.722 χ^2/NDF: 5252.6/43

- sign -226.356+/-1.024 χ^2/NDF: 3243.7/22



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

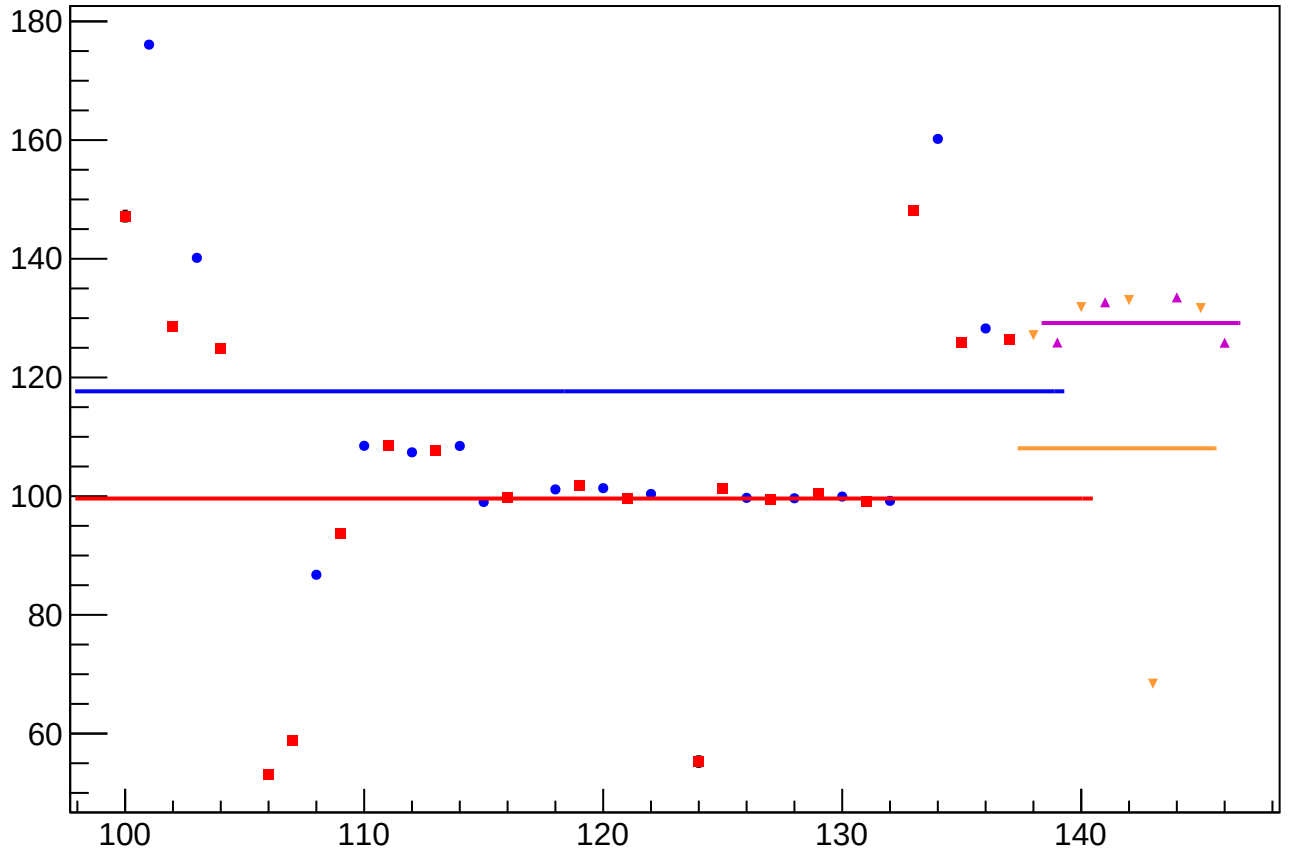
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

+ sign -73.619+/-0.998 χ^2/NDF: 681.2/20

All: -72.683+/-0.714 χ^2/NDF: 1309.6/43

- sign -71.704+/-1.021 χ^2/NDF: 626.6/22



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 108.067+/-0.073 χ^2/NDF:167652.8/4

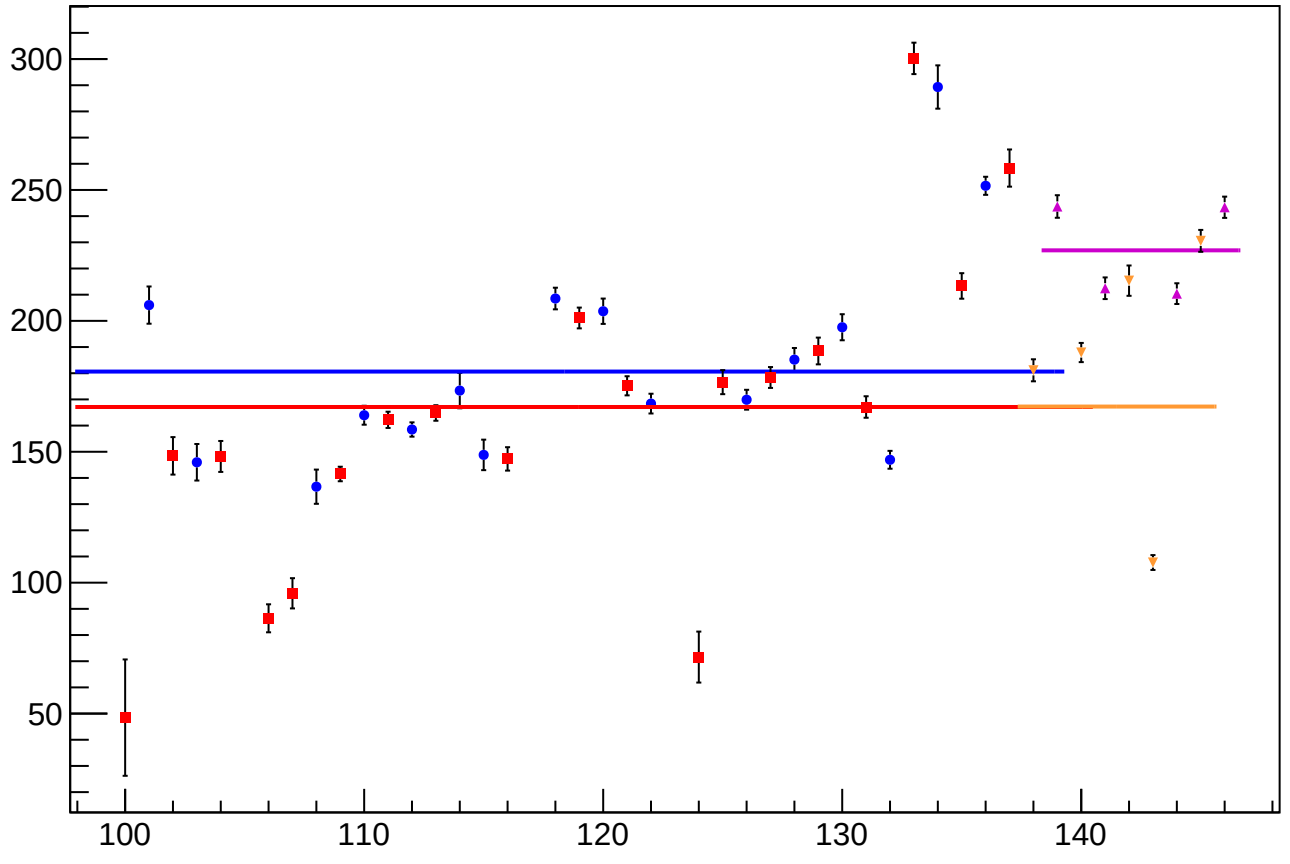
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

\+ sign 112.553+/-0.053 χ^2/NDF: 271065.1/20

All: 112.073+/-0.038 χ^2/NDF: 510898.7/43

\- sign 111.581+/-0.054 χ^2/NDF: 239670.7/22



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 167.266+/-1.710 χ^2/NDF:780.2/4

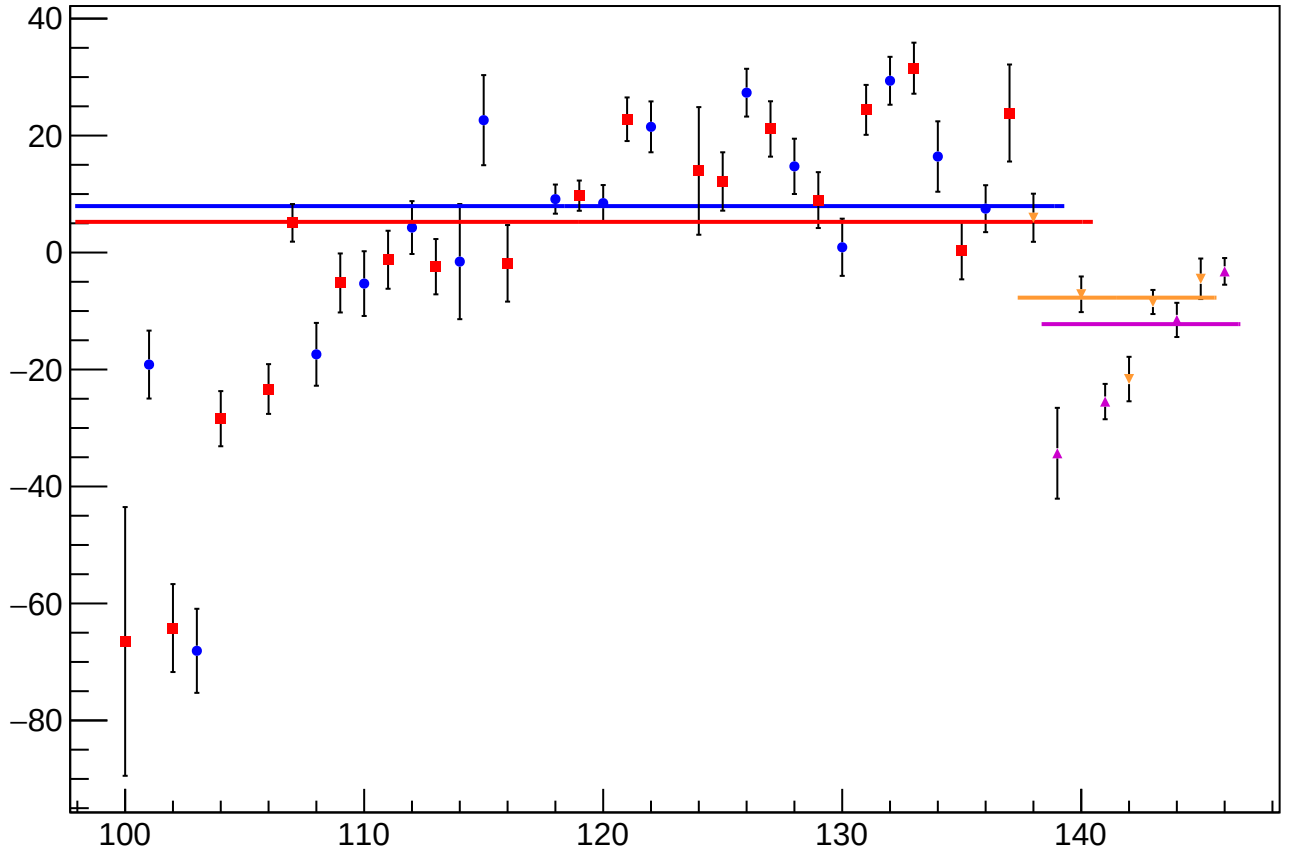
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

+ sign 176.775+/-0.919 χ^2/NDF: 1817.0/20

All: 177.865+/-0.648 χ^2/NDF: 4045.6/43

- sign 178.943+/-0.914 χ^2/NDF: 2225.7/22



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.712+/-1.342 χ^2/NDF:25.5/4

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

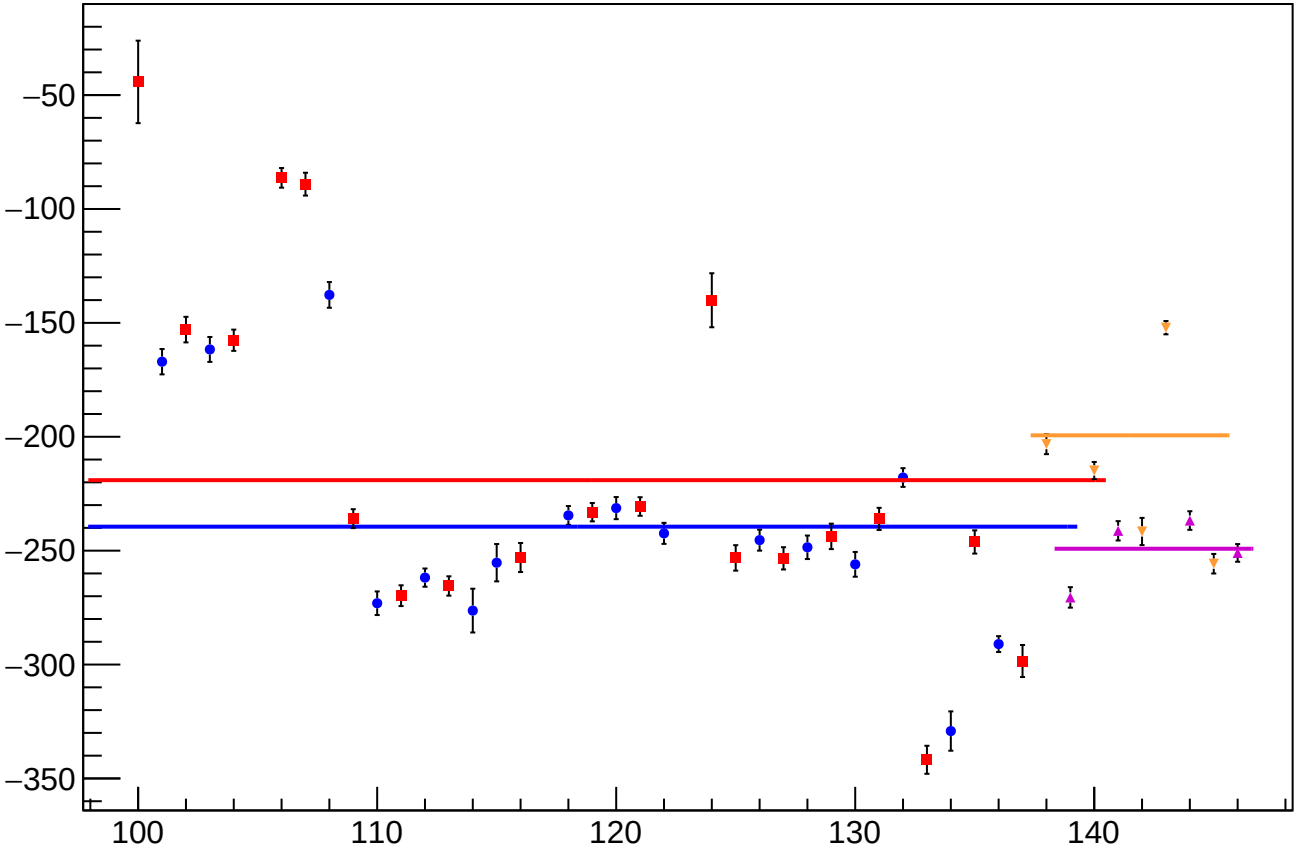
Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

+ sign 1.563+/-0.857 χ^2/NDF: 338.9/20

All: 0.541+/-0.610 χ^2/NDF: 777.0/43

- sign -0.513+/-0.870 χ^2/NDF: 435.1/22

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -199.365+/-1.763 χ^2/NDF:501.5/4

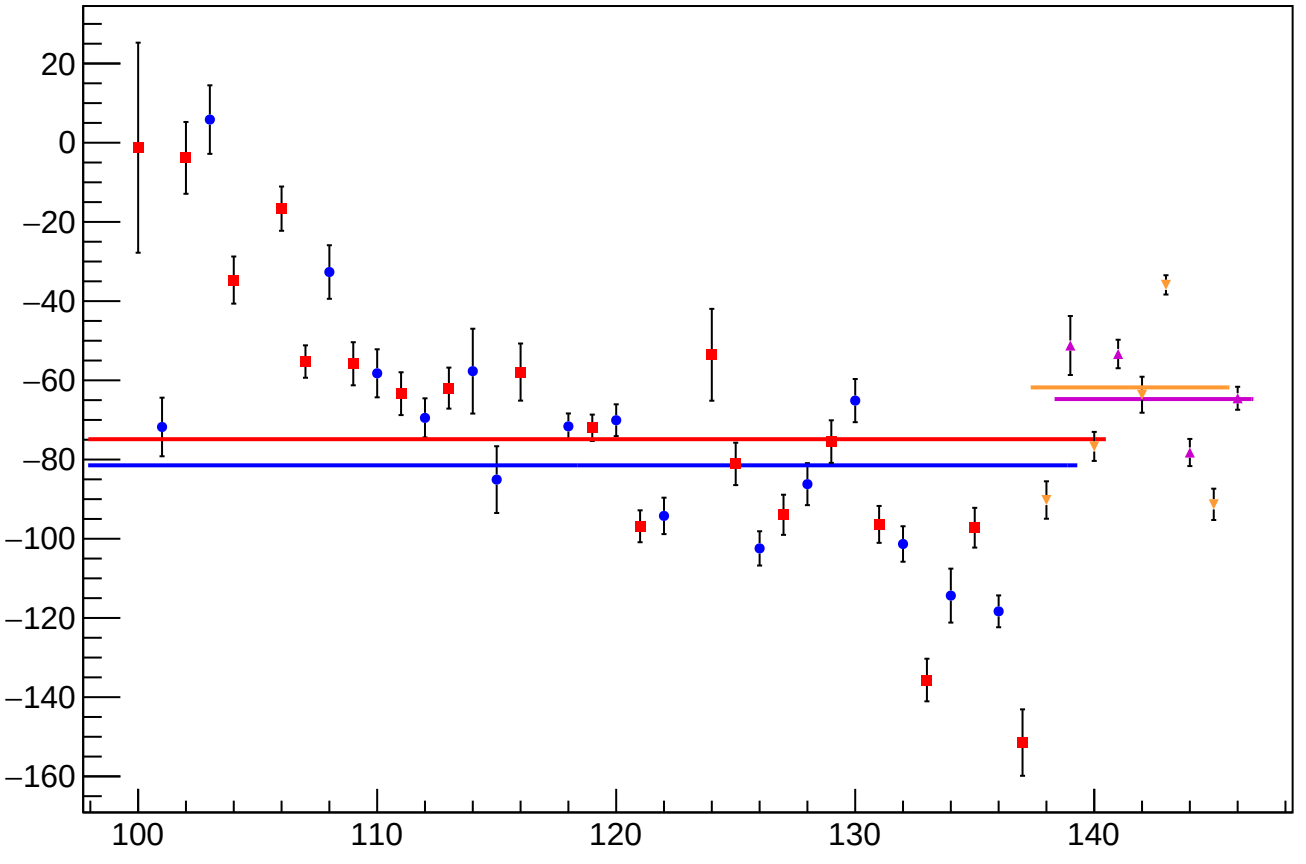
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

+ sign -226.118+/-1.017 χ^2/NDF: 2008.9/20

All: -226.236+/-0.722 χ^2/NDF: 5252.6/43

- sign -226.356+/-1.024 χ^2/NDF: 3243.7/22



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

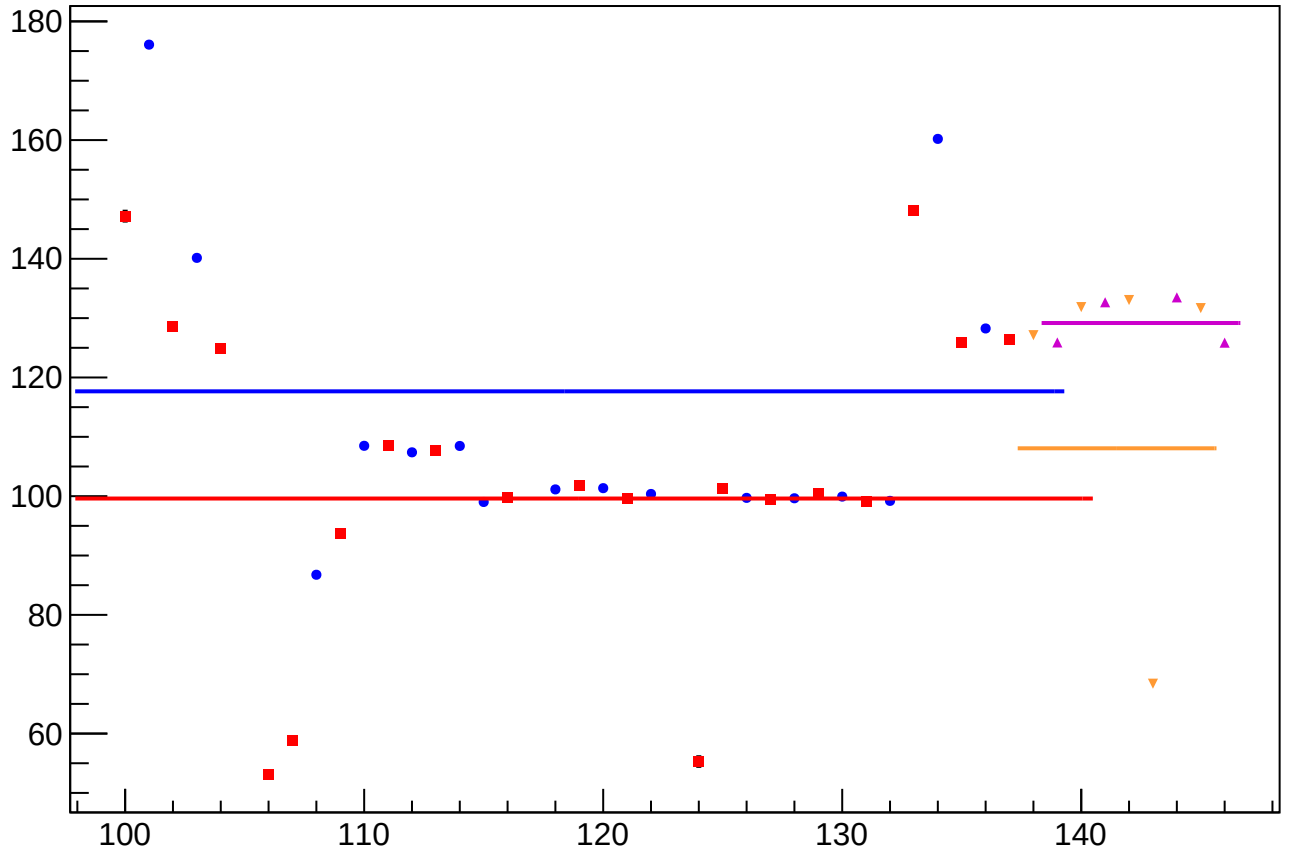
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

+ sign -73.619+/-0.998 χ^2/NDF: 681.2/20

All: -72.683+/-0.714 χ^2/NDF: 1309.6/43

- sign -71.704+/-1.021 χ^2/NDF: 626.6/22



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 108.067+/-0.073 χ^2/NDF:167652.8/4

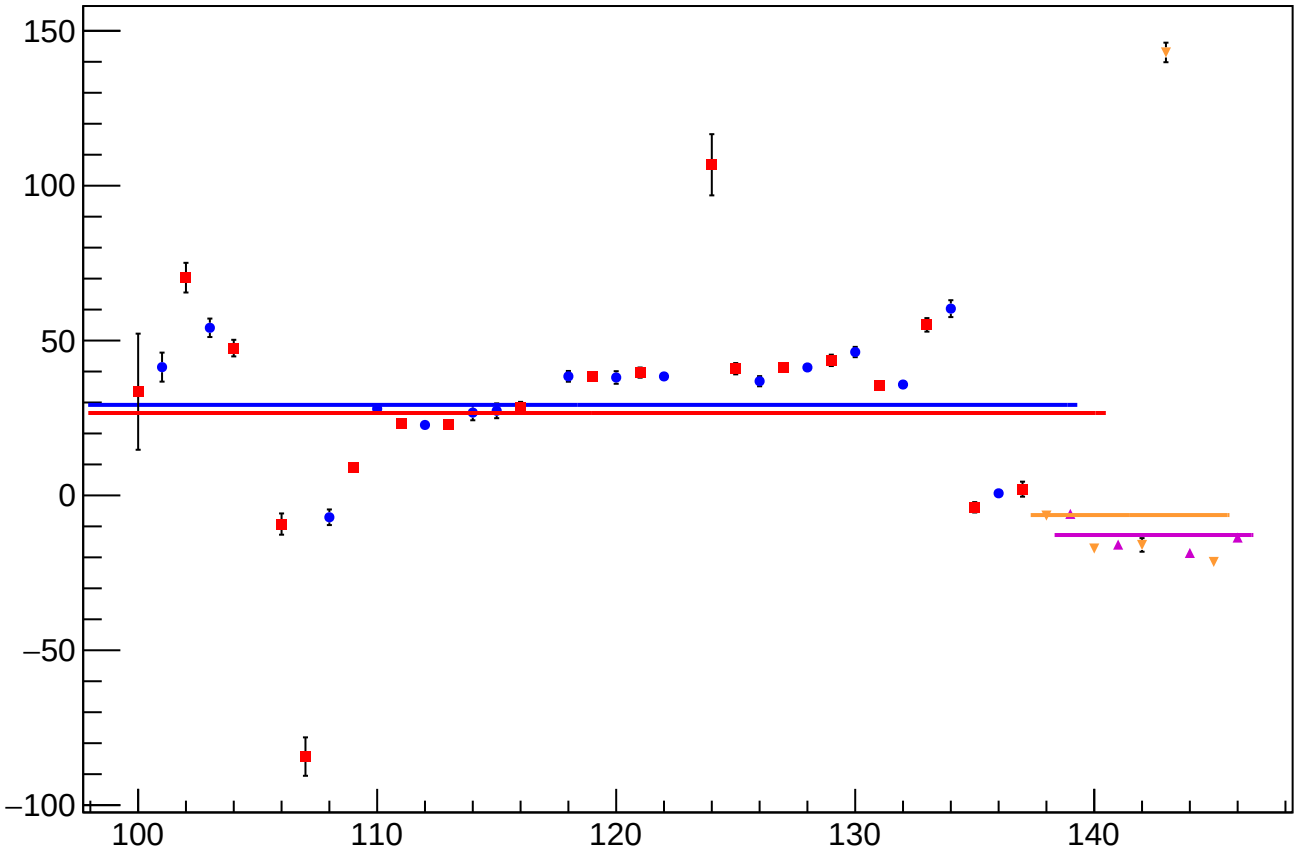
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

+ sign 112.553+/-0.053 χ^2/NDF: 271065.1/20

All: 112.073+/-0.038 χ^2/NDF: 510898.7/43

- sign 111.581+/-0.054 χ^2/NDF: 239670.7/22



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.343+/-0.713 χ^2/NDF:2426.5/4

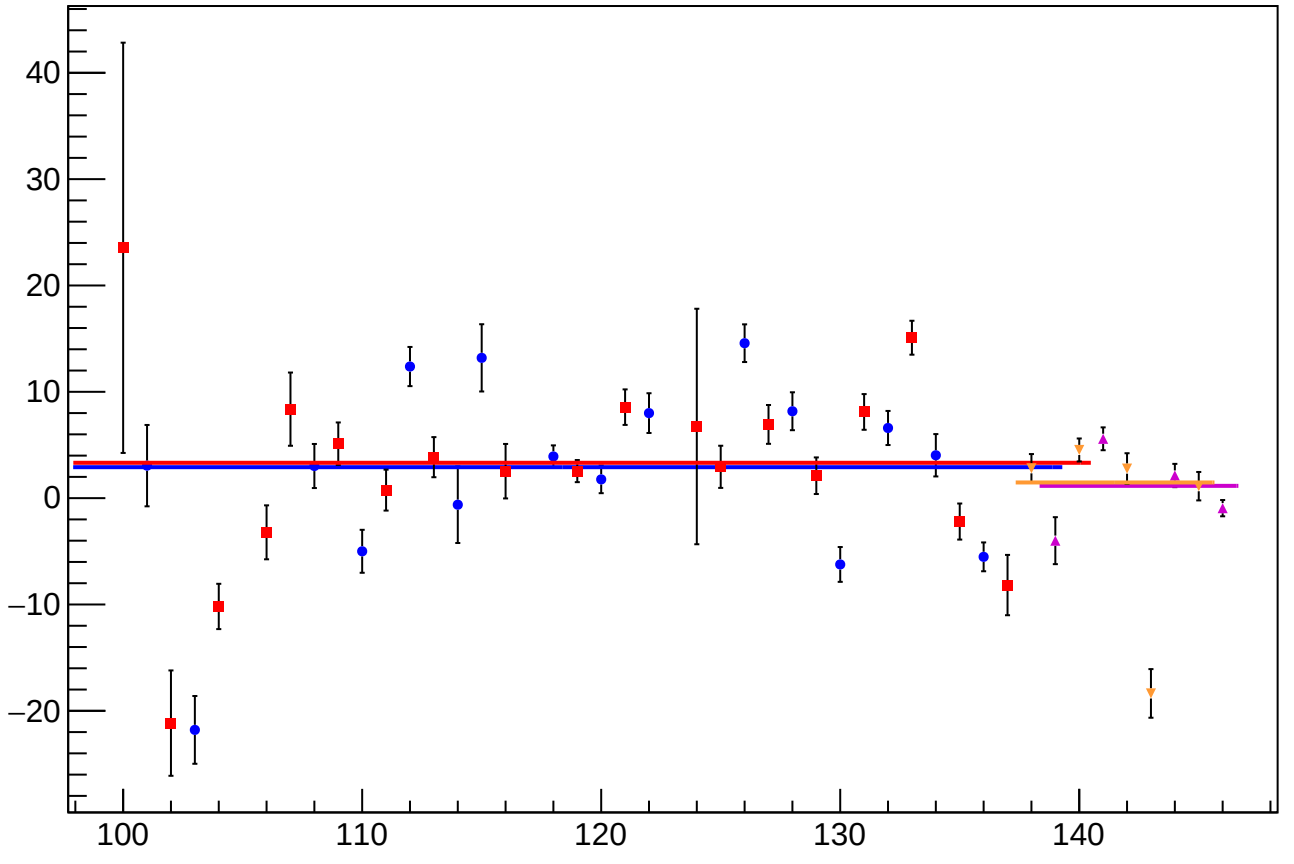
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.784+/-0.684 χ^2/NDF:51.2/3

\+ sign 19.932+/-0.365 χ^2/NDF: 5606.6/20

All: 17.933+/-0.254 χ^2/NDF: 10063.4/43

\- sign 16.047+/-0.354 χ^2/NDF: 4398.4/22



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.475+/-0.615 χ^2/NDF:85.1/4

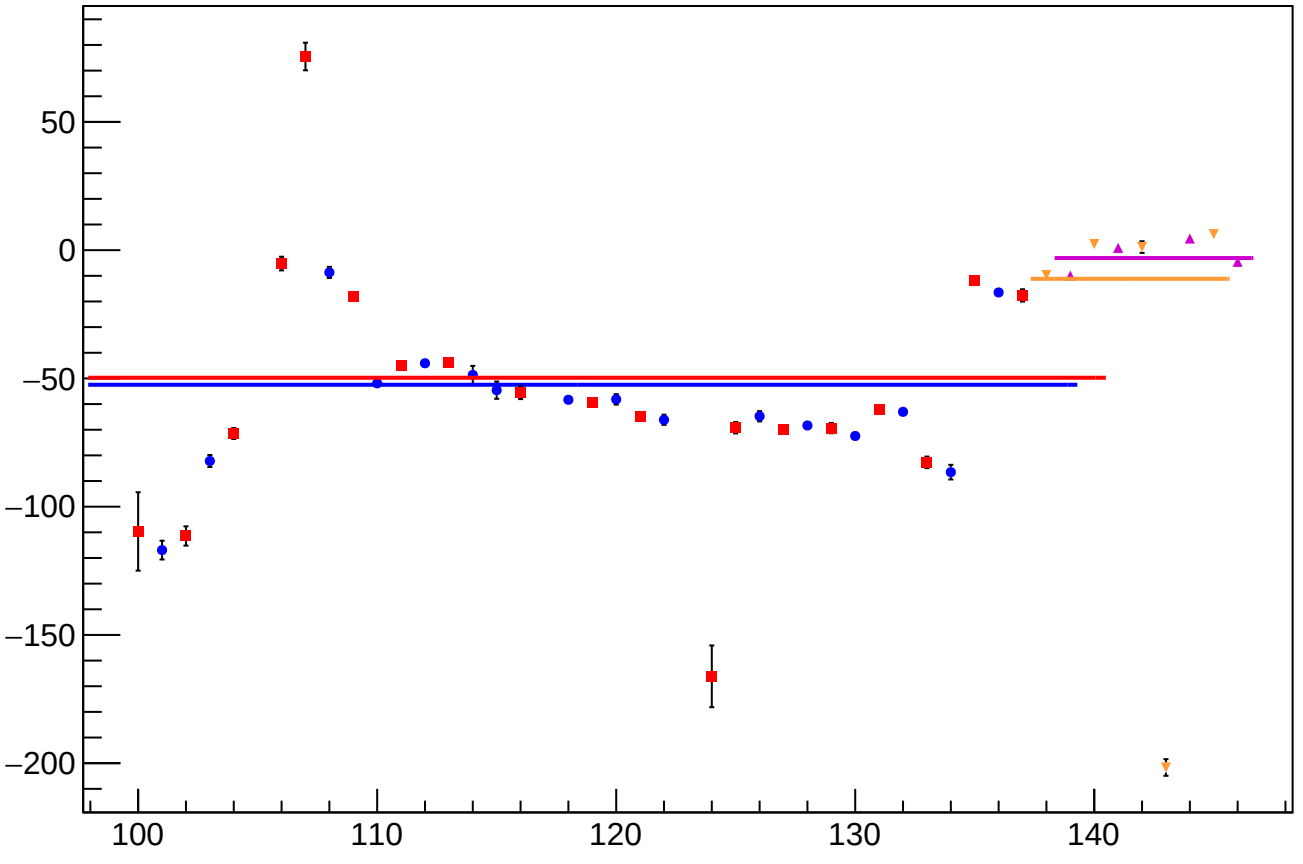
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.156+/-0.526 χ^2/NDF:30.7/3

+ sign 2.422+/-0.359 χ^2/NDF: 338.7/20

All: 2.411+/-0.248 χ^2/NDF: 561.0/43

- sign 2.400+/-0.343 χ^2/NDF: 222.3/22



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.160+/-0.735 χ^2/NDF:3706.2/4

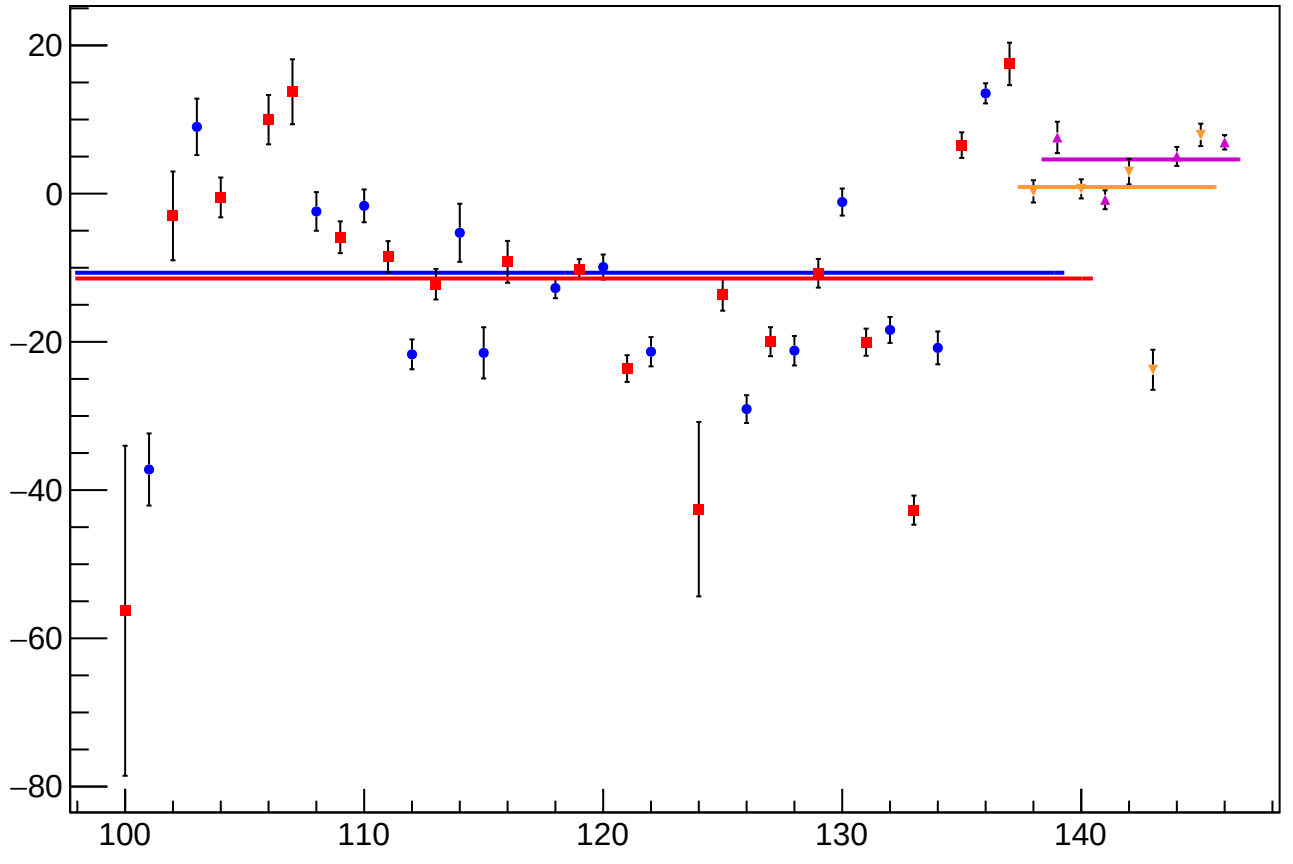
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.070+/-0.693 χ^2/NDF:61.9/3

+ sign -39.847+/-0.406 χ^2/NDF: 8227.4/20

All: -36.897+/-0.286 χ^2/NDF: 14409.8/43

- sign -34.008+/-0.402 χ^2/NDF: 6078.2/22



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.888+/-0.715 χ^2/NDF:106.3/4

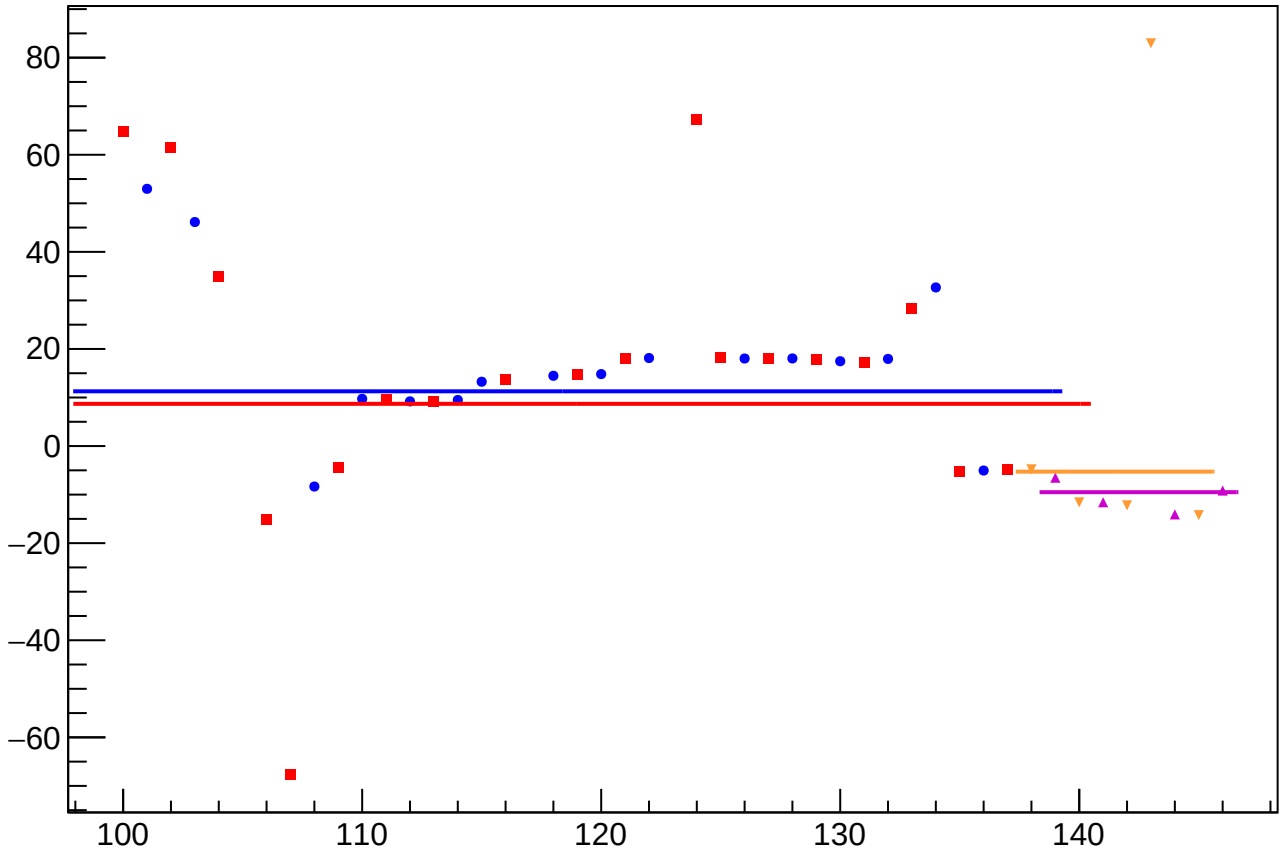
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.612+/-0.632 χ^2/NDF:26.0/3

\+ sign -6.825+/-0.413 χ^2/NDF: 947.0/20

All: -5.894+/-0.287 χ^2/NDF: 2036.2/43

\- sign -5.022+/-0.400 χ^2/NDF: 1079.4/22



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.268+/-0.030 χ^2/NDF:464678.9/4

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

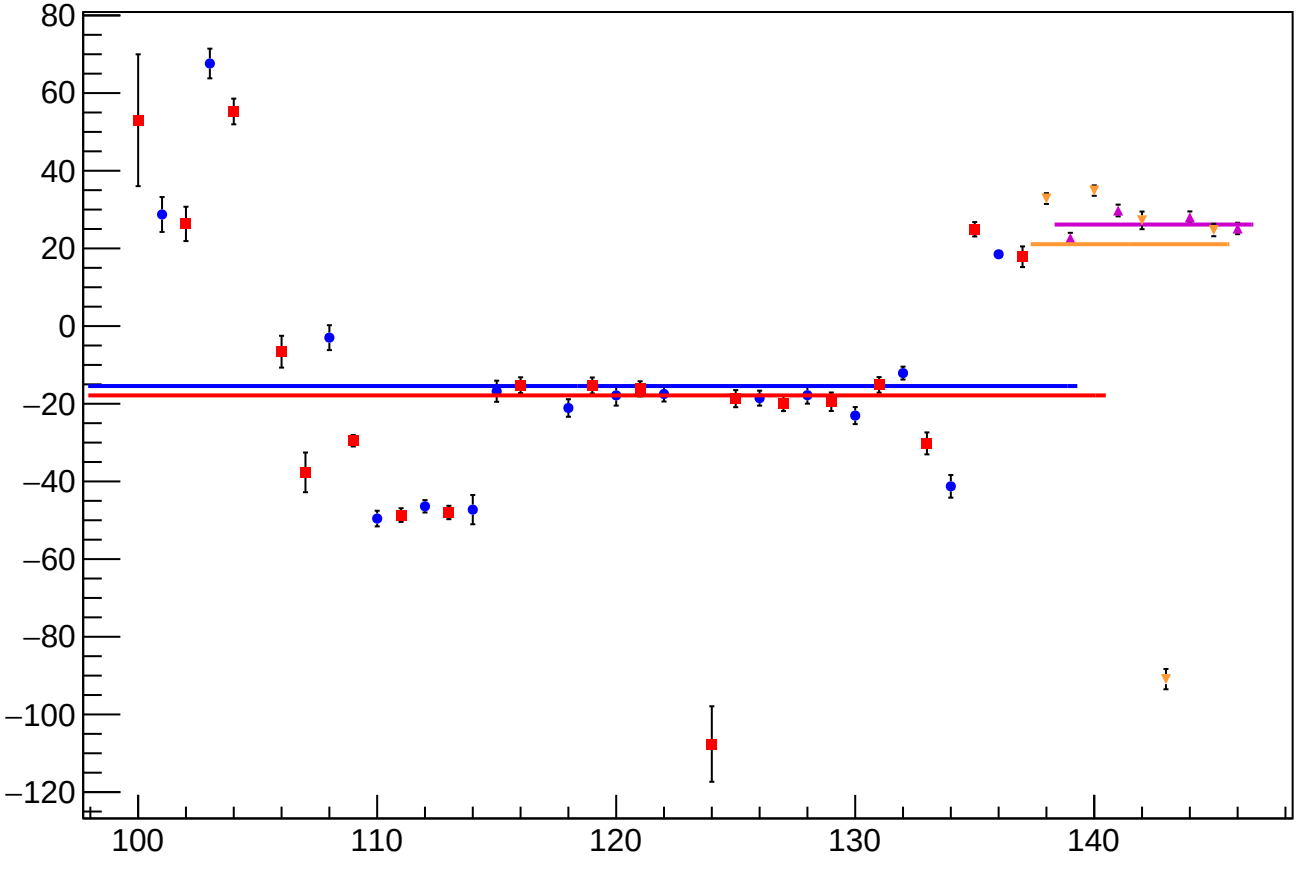
Left In: -9.499+/-0.028 χ^2/NDF:10005.3/3

+ sign 3.056+/-0.021 χ^2/NDF: 965933.6/20

All: 0.746+/-0.015 χ^2/NDF: 1623025.0/43

- sign -1.483+/-0.021 χ^2/NDF: 633816.5/22

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.085+/-0.744 χ^2/NDF:2028.3/4

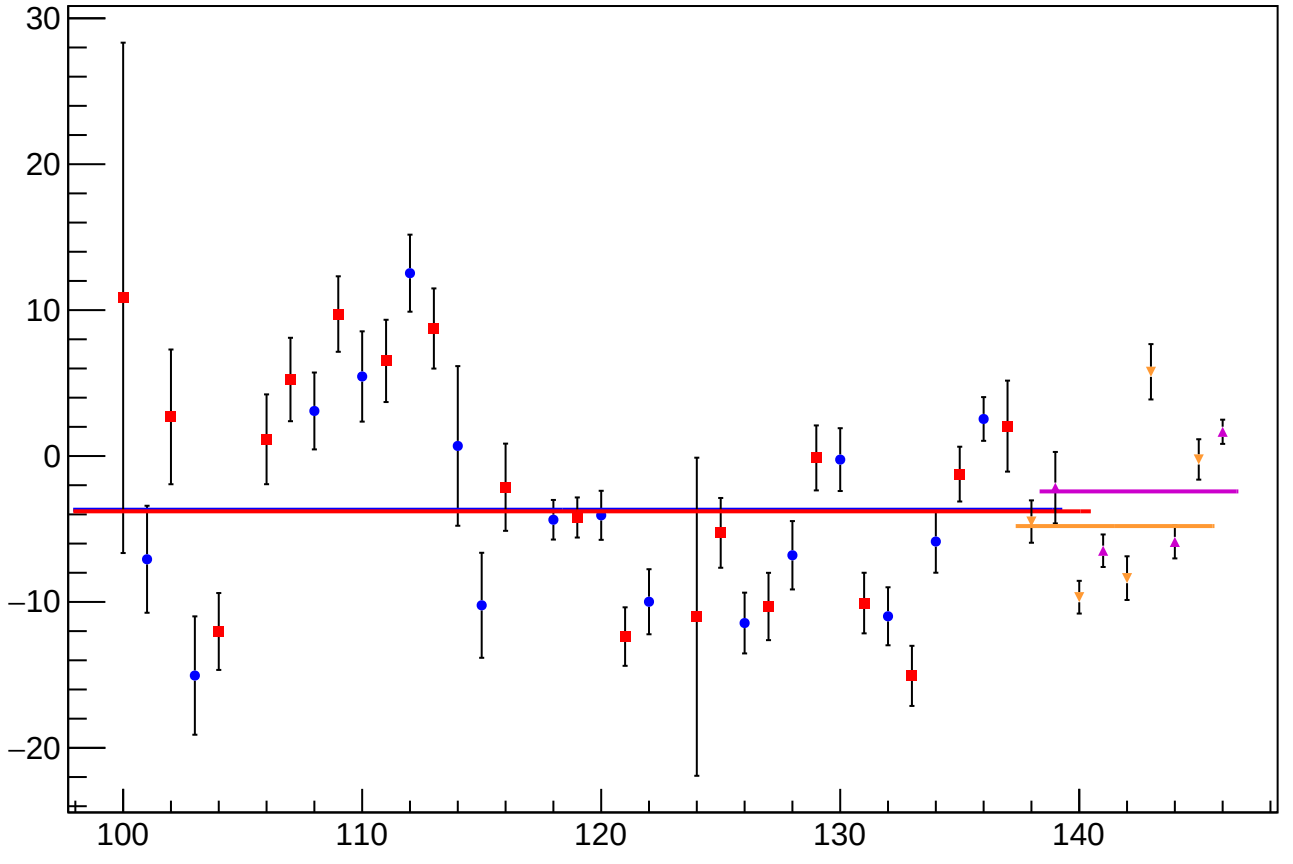
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.149+/-0.732 χ^2/NDF:14.2/3

\+ sign -2.868+/-0.437 χ^2/NDF: 5732.4/20

All: -2.792+/-0.306 χ^2/NDF: 10245.0/43

\- sign -2.718+/-0.429 χ^2/NDF: 4512.5/22



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -4.801+/-0.630 χ^2/NDF:66.6/4

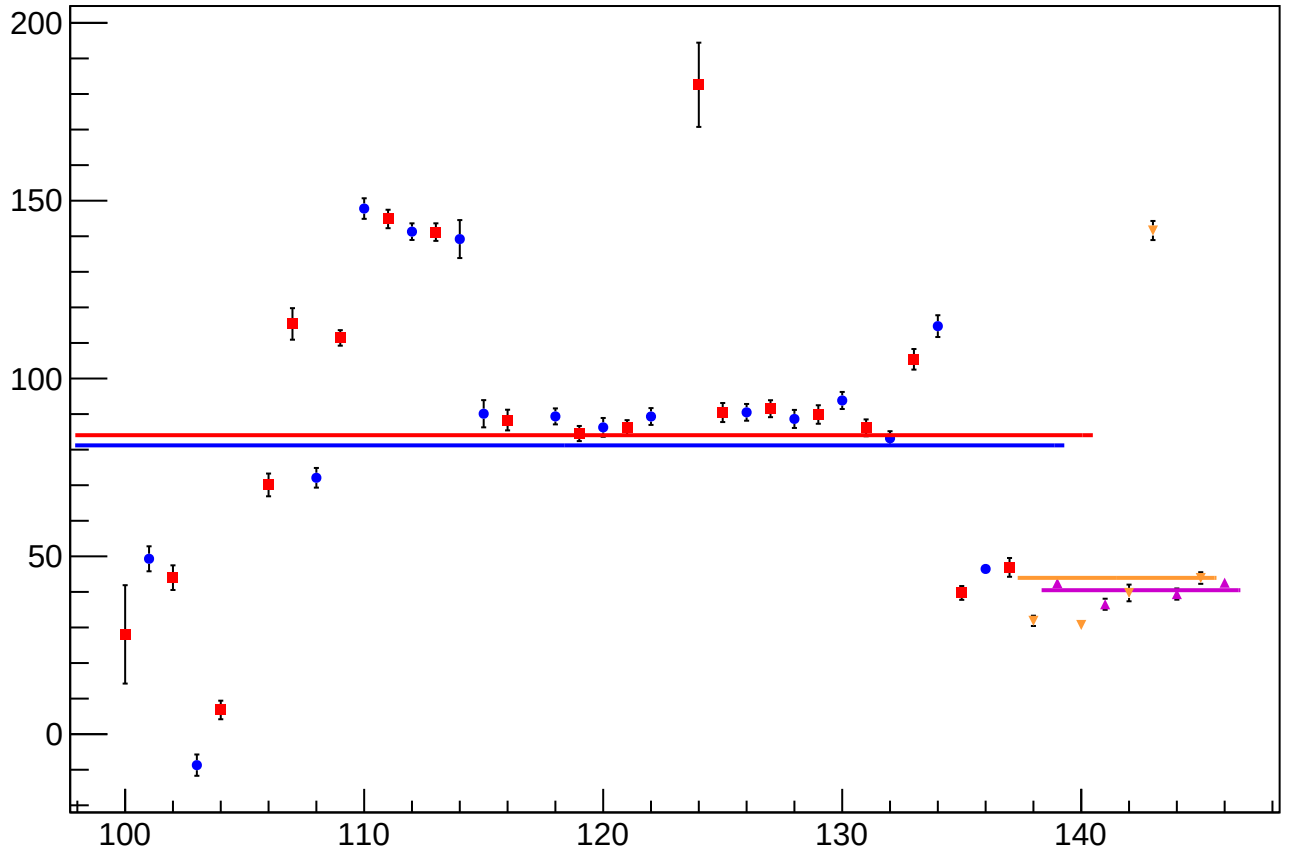
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.425+/-0.558 χ^2/NDF:47.0/3

+ sign -4.166+/-0.415 χ^2/NDF: 192.4/20

All: -3.609+/-0.287 χ^2/NDF: 407.0/43

- sign -3.101+/-0.397 χ^2/NDF: 211.2/22



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.951+/-0.767 χ^2/NDF:1486.8/4

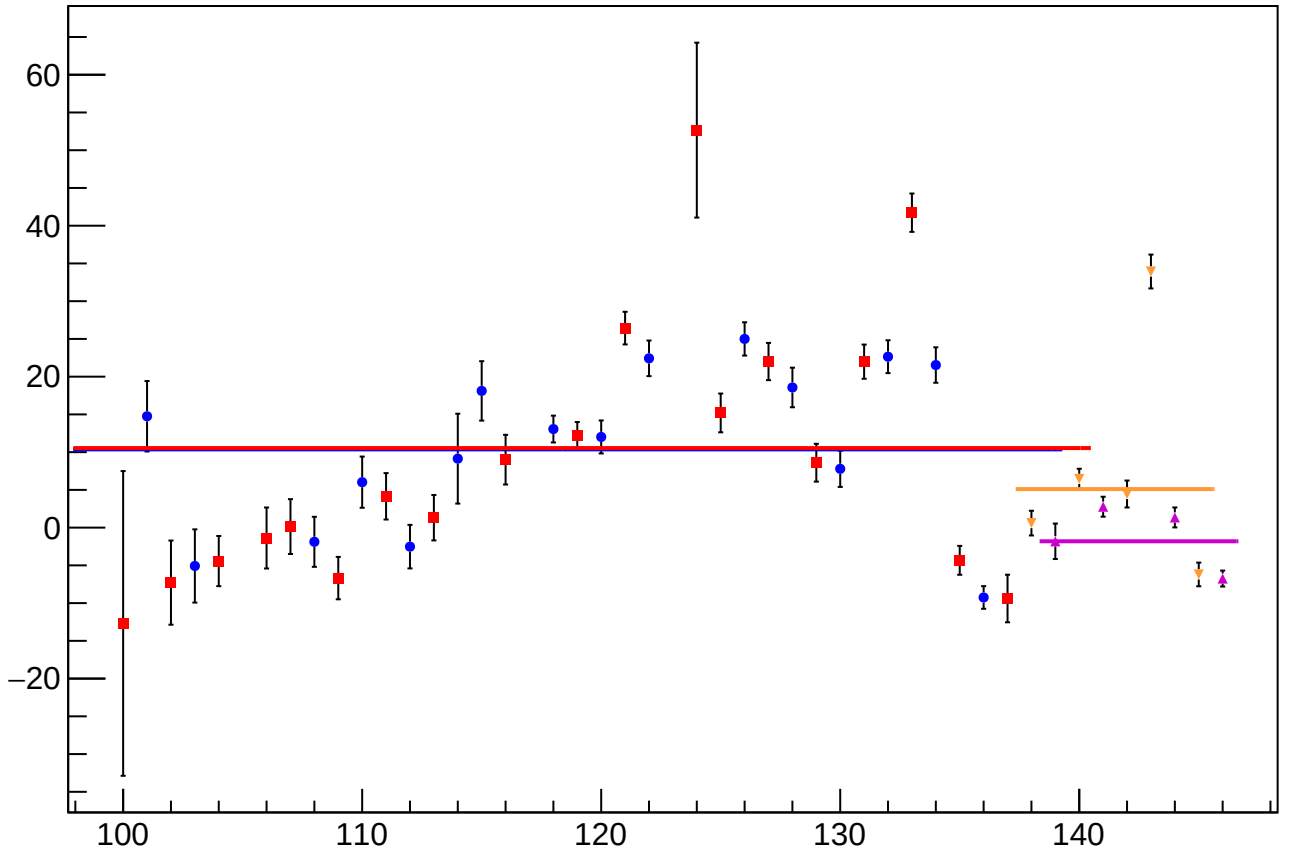
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.482+/-0.741 χ^2/NDF:11.2/3

\+ sign 66.856+/-0.476 χ^2/NDF: 6167.6/20

All: 66.552+/-0.336 χ^2/NDF: 11430.5/43

\- sign 66.250+/-0.474 χ^2/NDF: 5262.1/22



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 5.106+/-0.735 χ^2/NDF:226.2/4

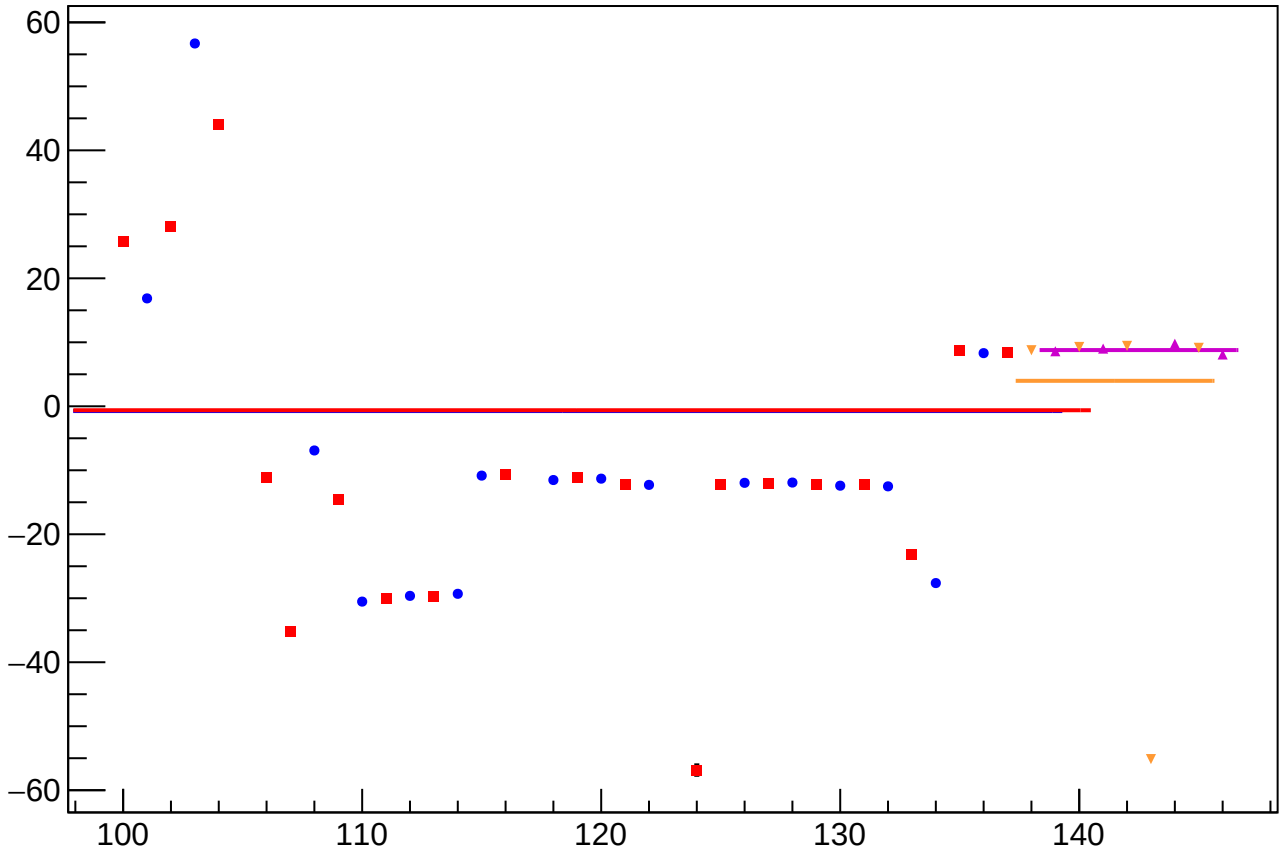
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.809+/-0.671 χ^2/NDF:39.6/3

+ sign 8.155+/-0.477 χ^2/NDF: 615.6/20

All: 6.352+/-0.332 χ^2/NDF: 1331.0/43

- sign 4.653+/-0.463 χ^2/NDF: 687.6/22



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.980+/-0.032 χ^2/NDF:304062.5/4

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

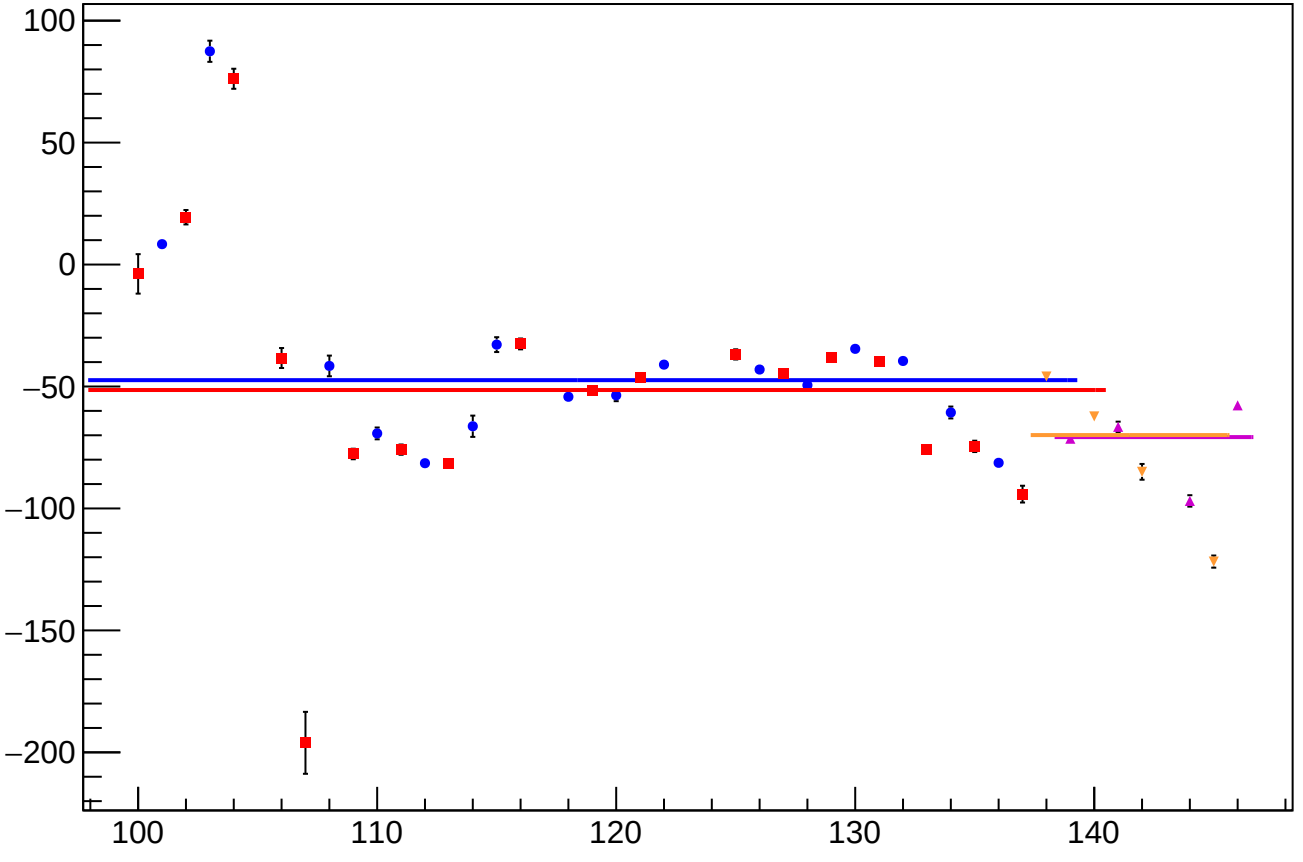
Left In: 8.785+/-0.030 χ^2/NDF:354.7/3

+ sign 1.922+/-0.024 χ^2/NDF: 681844.8/20

All: 3.534+/-0.017 χ^2/NDF: 1046443.3/43

- sign 5.103+/-0.023 χ^2/NDF: 355451.8/22

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -69.916+/-1.079 χ^2/NDF:653.9/3

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

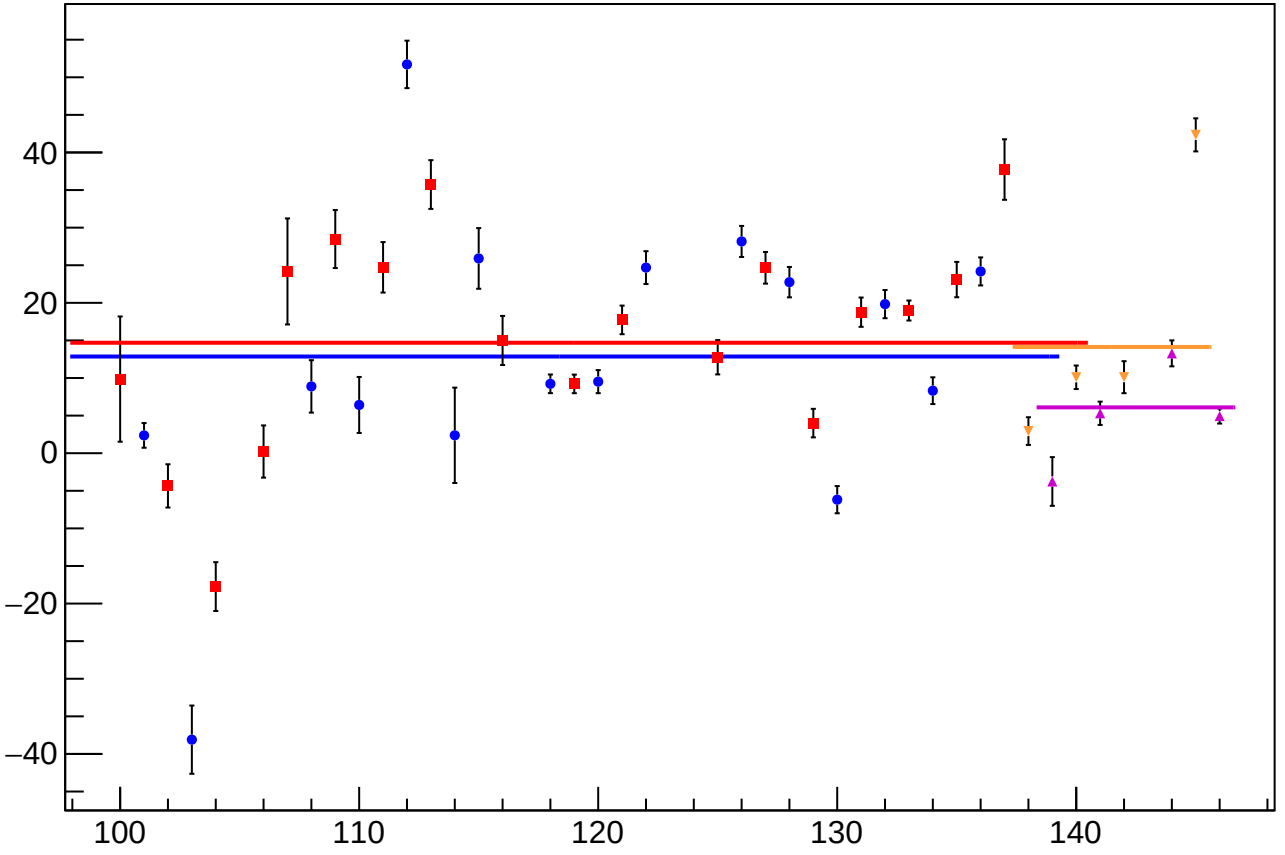
Left In: -70.742+/-0.989 χ^2/NDF:181.3/3

+ sign -51.841+/-0.479 χ^2/NDF: 3772.3/19

All: -53.897+/-0.338 χ^2/NDF: 7154.8/41

- sign -55.937+/-0.478 χ^2/NDF: 3345.9/21

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 14.131+/-0.940 χ^2/NDF:211.6/3

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

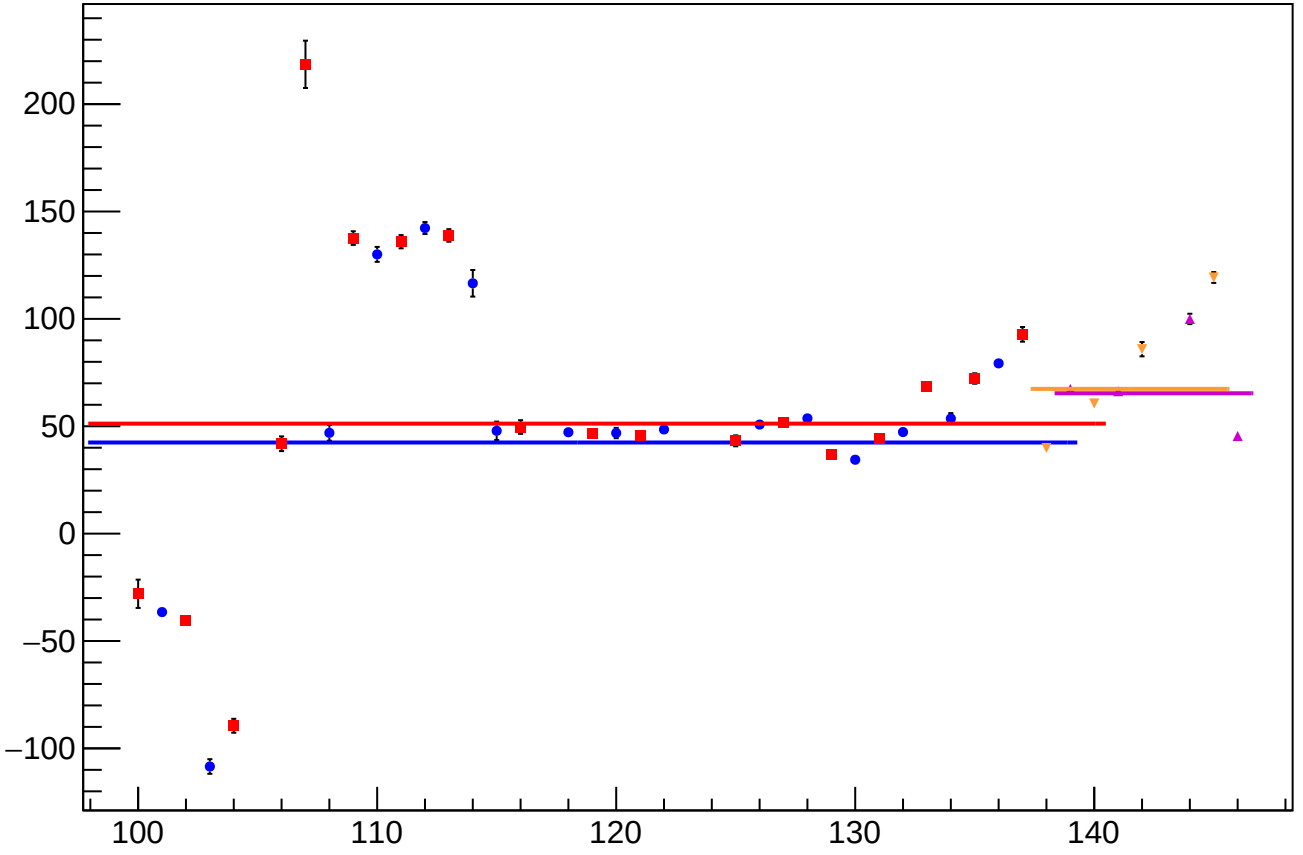
Left In: 6.098+/-0.737 χ^2/NDF:28.1/3

+ sign 13.156+/-0.454 χ^2/NDF: 838.5/19

All: 12.381+/-0.315 χ^2/NDF: 1324.3/41

- sign 11.660+/-0.438 χ^2/NDF: 480.2/21

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 67.412+/-1.113 χ^2/NDF:687.9/3

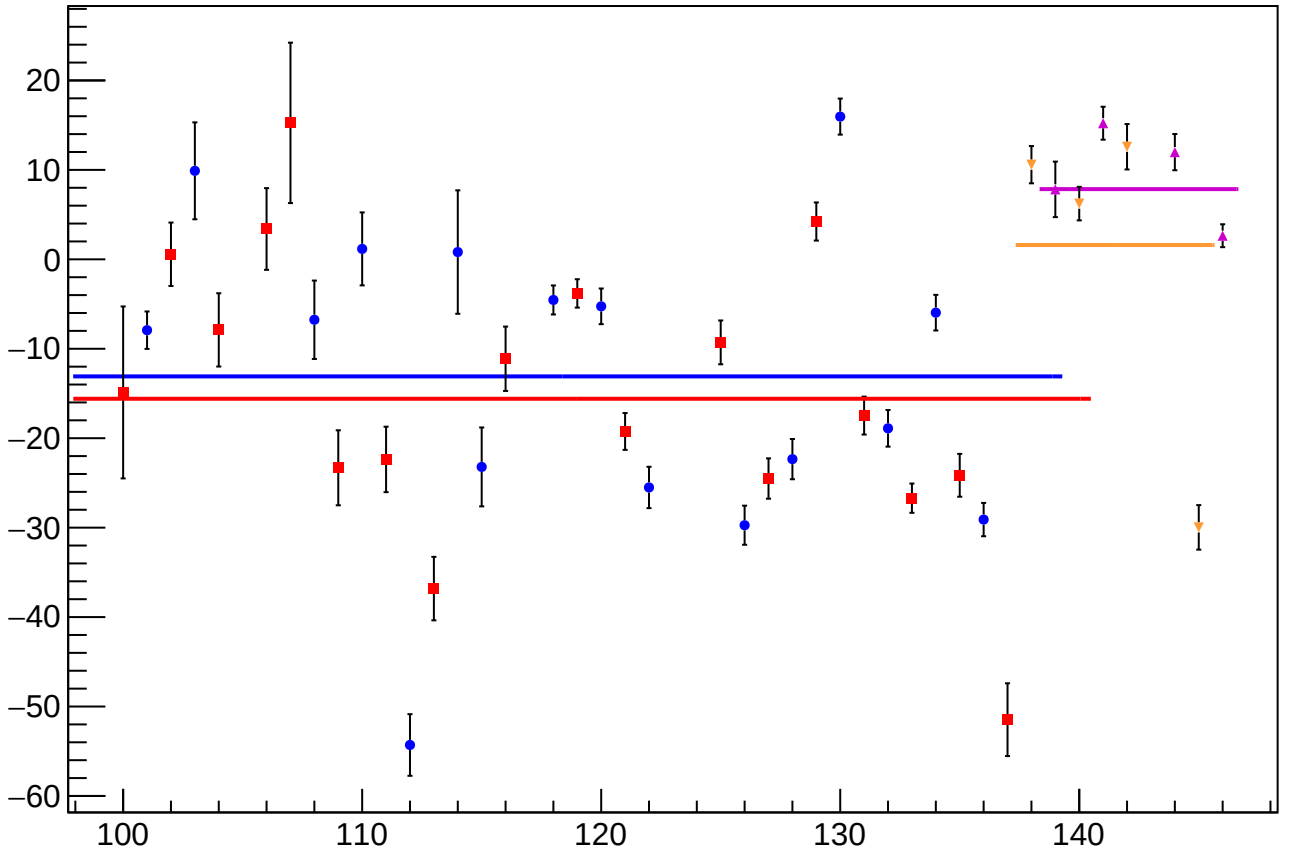
Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 65.366+/-0.998 χ^2/NDF:341.2/3

+ sign 47.836+/-0.517 χ^2/NDF: 8251.7/19

All: 51.432+/-0.368 χ^2/NDF: 15447.5/41

- sign 55.114+/-0.523 χ^2/NDF: 7097.9/21



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.599+/-1.097 χ^2/NDF:204.2/3

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

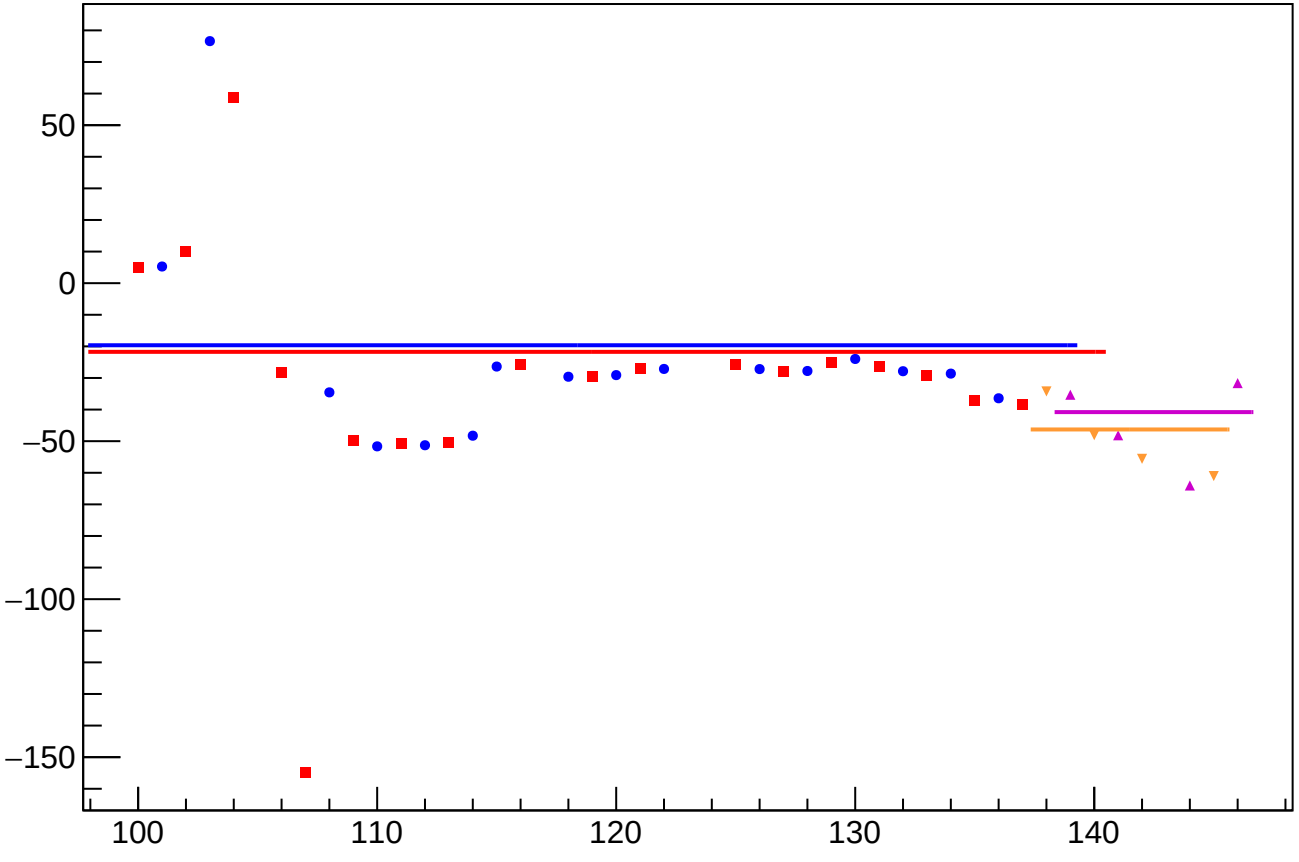
Left In: 7.851+/-0.894 χ^2/NDF:36.7/3

+ sign -9.708+/-0.526 χ^2/NDF: 982.3/19

All: -8.761+/-0.367 χ^2/NDF: 1888.3/41

- sign -7.860+/-0.513 χ^2/NDF: 899.7/21

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -46.295+/-0.046 χ^2/NDF:54133.9/3

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

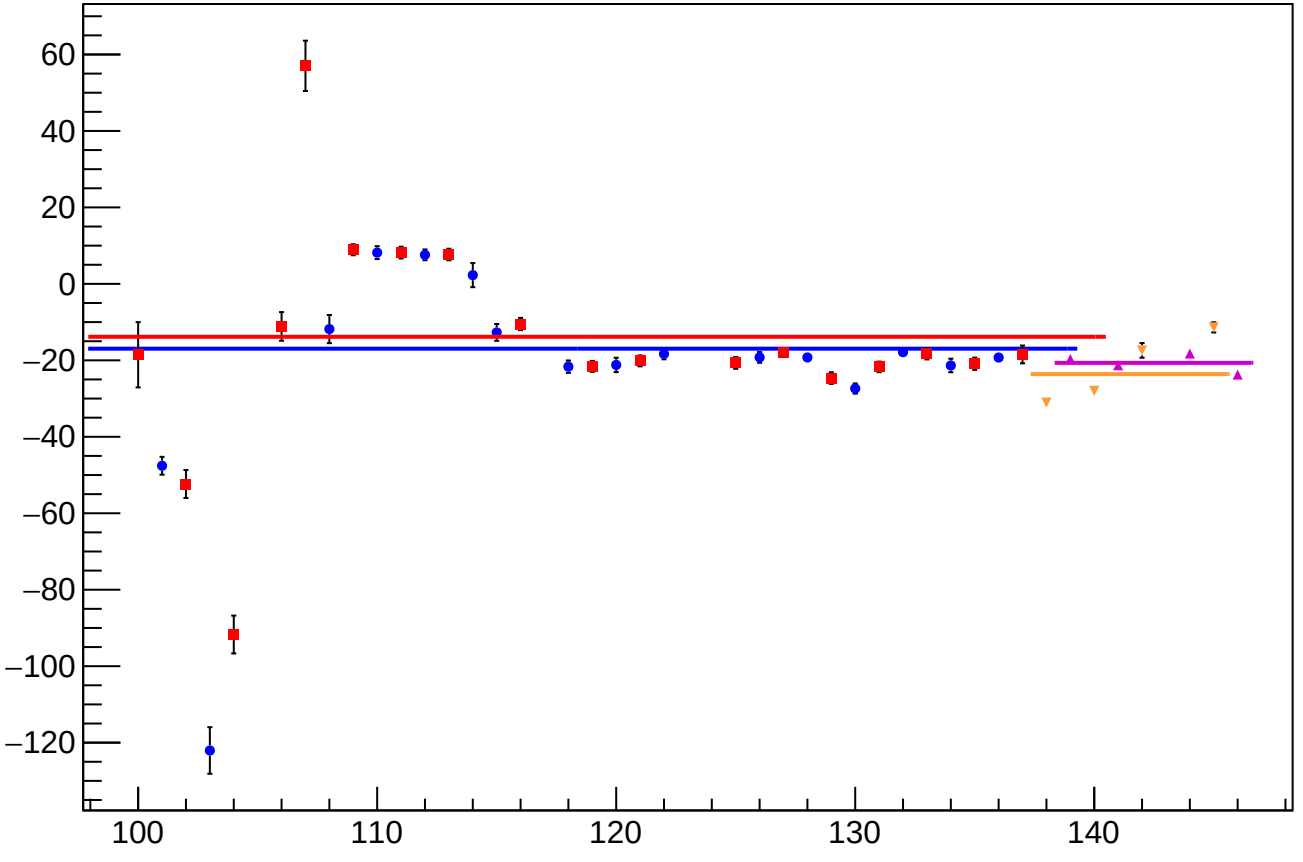
Left In: -40.801+/-0.040 χ^2/NDF:75008.7/3

+ sign -29.866+/-0.028 χ^2/NDF: 909974.6/19

All: -30.417+/-0.020 χ^2/NDF: 1648680.4/41

- sign -30.952+/-0.028 χ^2/NDF: 737961.9/21

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -23.593+/-0.662 χ^2/NDF:147.5/3

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

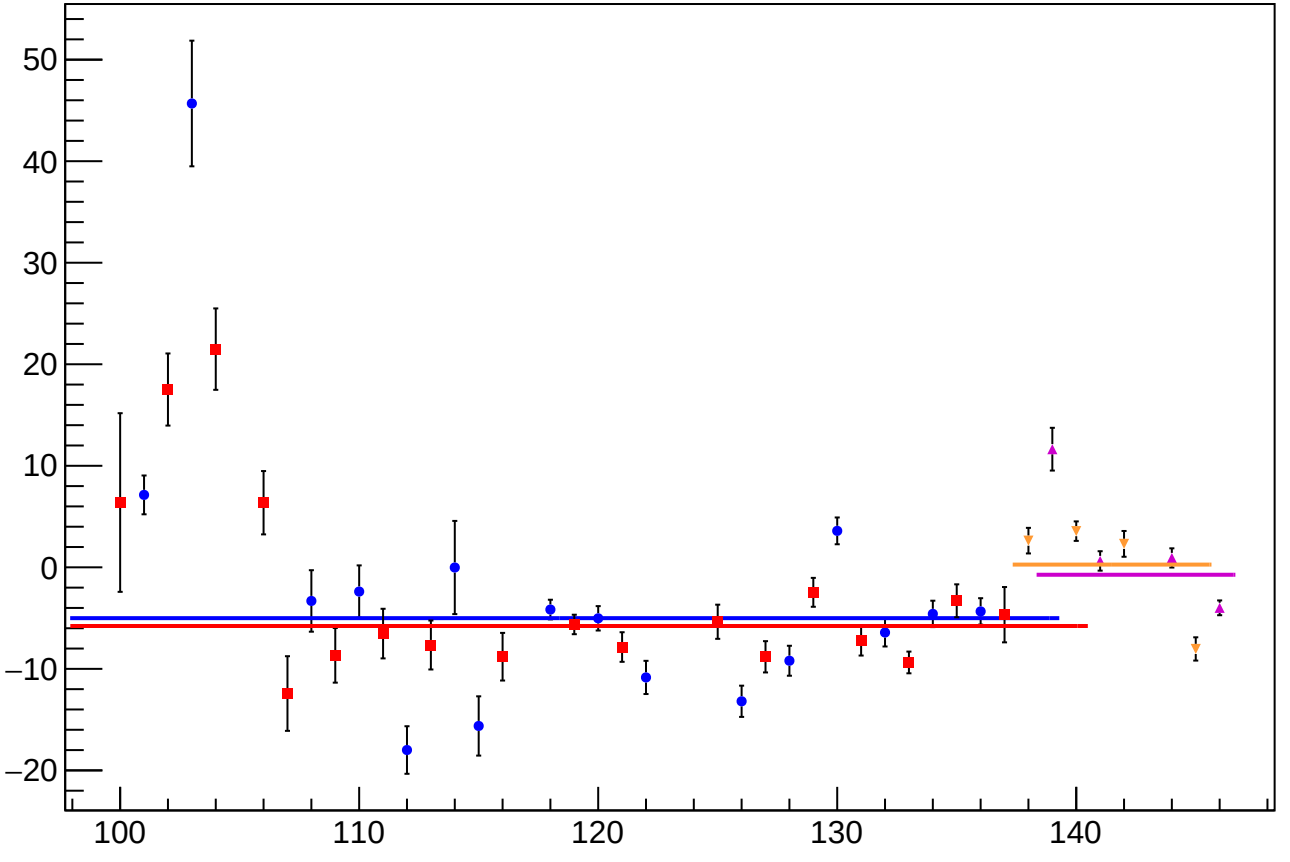
Left In: -20.657+/-0.627 χ^2/NDF:10.3/3

+ sign -18.753+/-0.345 χ^2/NDF: 1349.2/19

All: -17.305+/-0.243 χ^2/NDF: 2810.7/41

- sign -15.874+/-0.343 χ^2/NDF: 1426.5/21

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: 0.270+/-0.568 χ^2/NDF:70.4/3

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

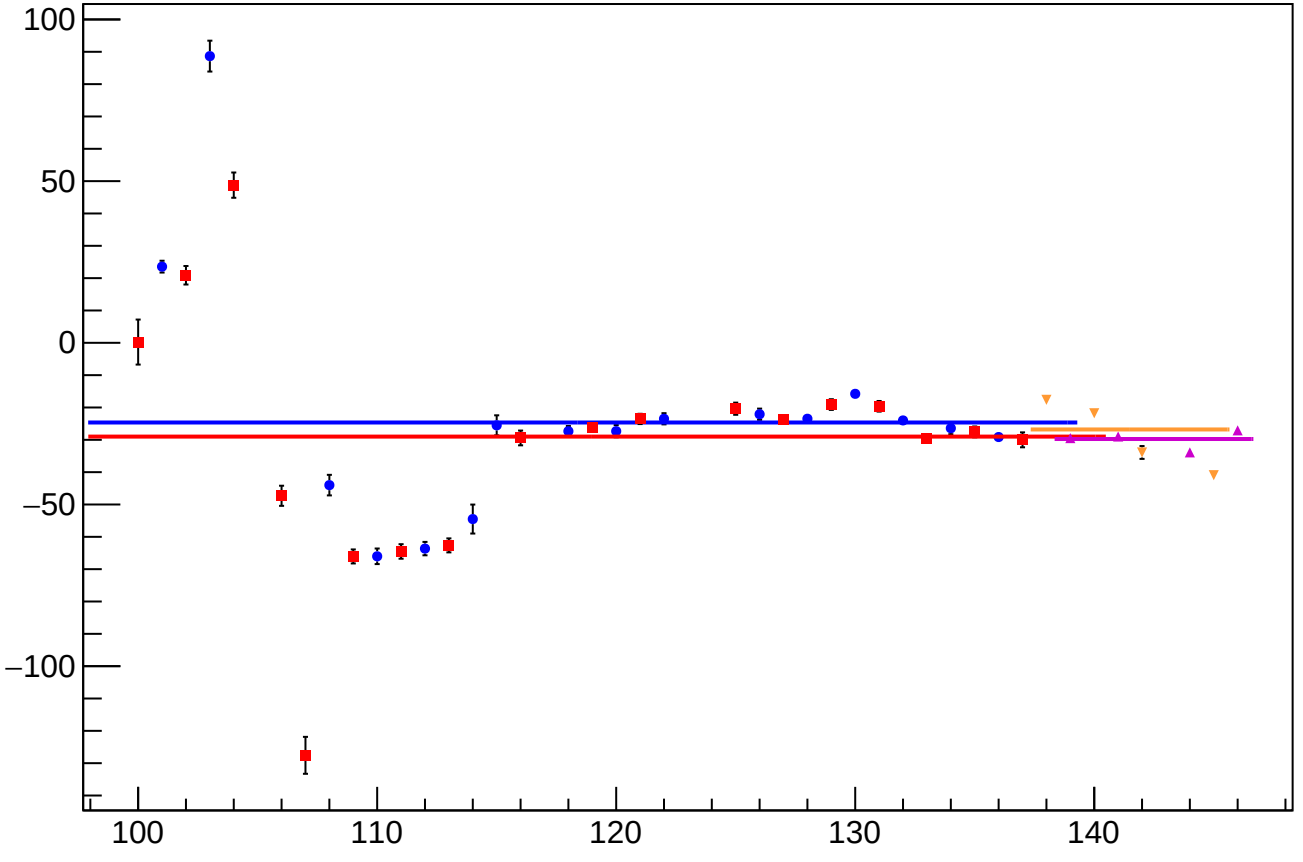
Left In: -0.732+/-0.481 χ^2/NDF:59.6/3

\+ sign -3.250+/-0.328 χ^2/NDF: 375.7/19

All: -3.431+/-0.228 χ^2/NDF: 637.7/41

\- sign -3.600+/-0.316 χ^2/NDF: 261.4/21

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -26.794+/-0.682 χ^2/NDF:192.2/3

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

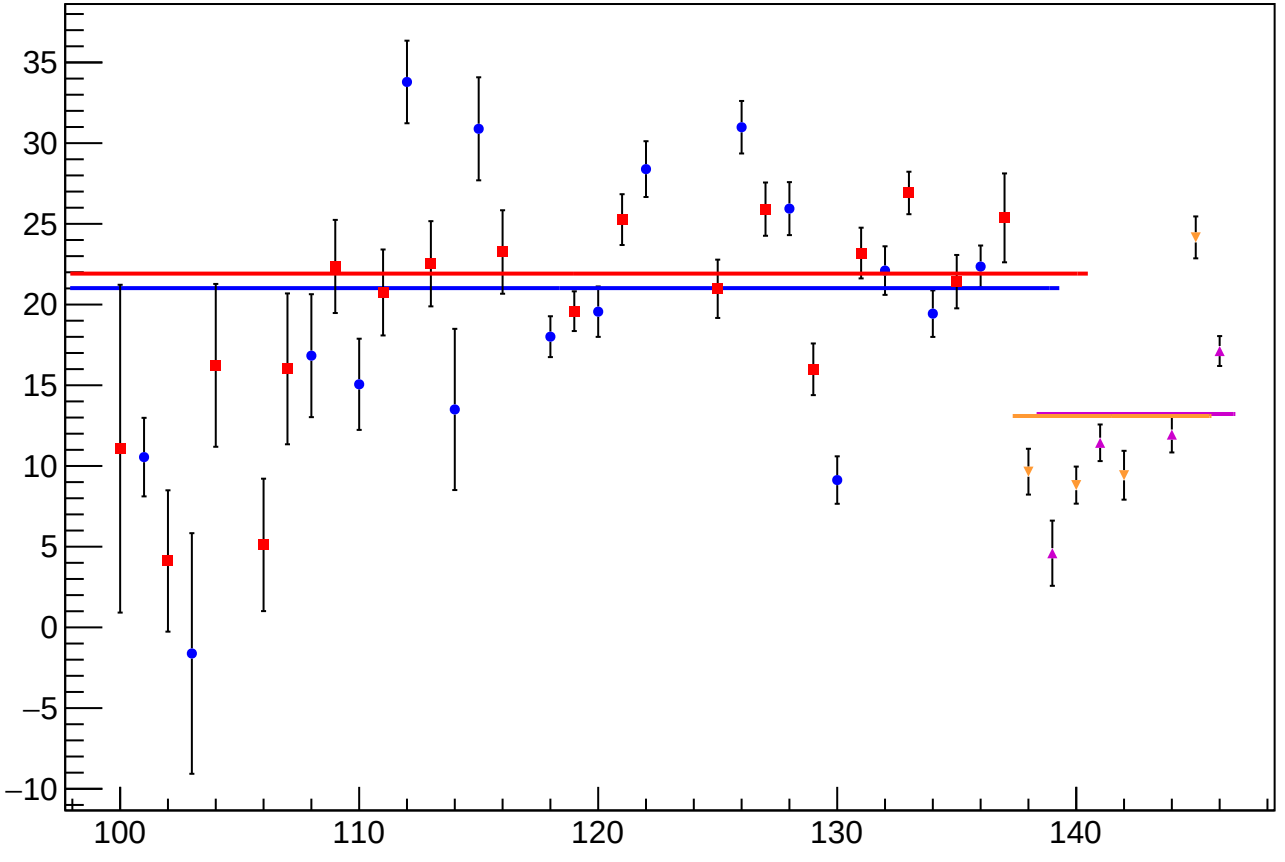
Left In: -29.746+/-0.636 χ^2/NDF:15.0/3

+ sign -25.304+/-0.378 χ^2/NDF: 2250.9/19

All: -27.275+/-0.268 χ^2/NDF: 4273.6/41

- sign -29.268+/-0.381 χ^2/NDF: 1968.1/21

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 13.096+/-0.662 χ^2/NDF:98.3/3

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

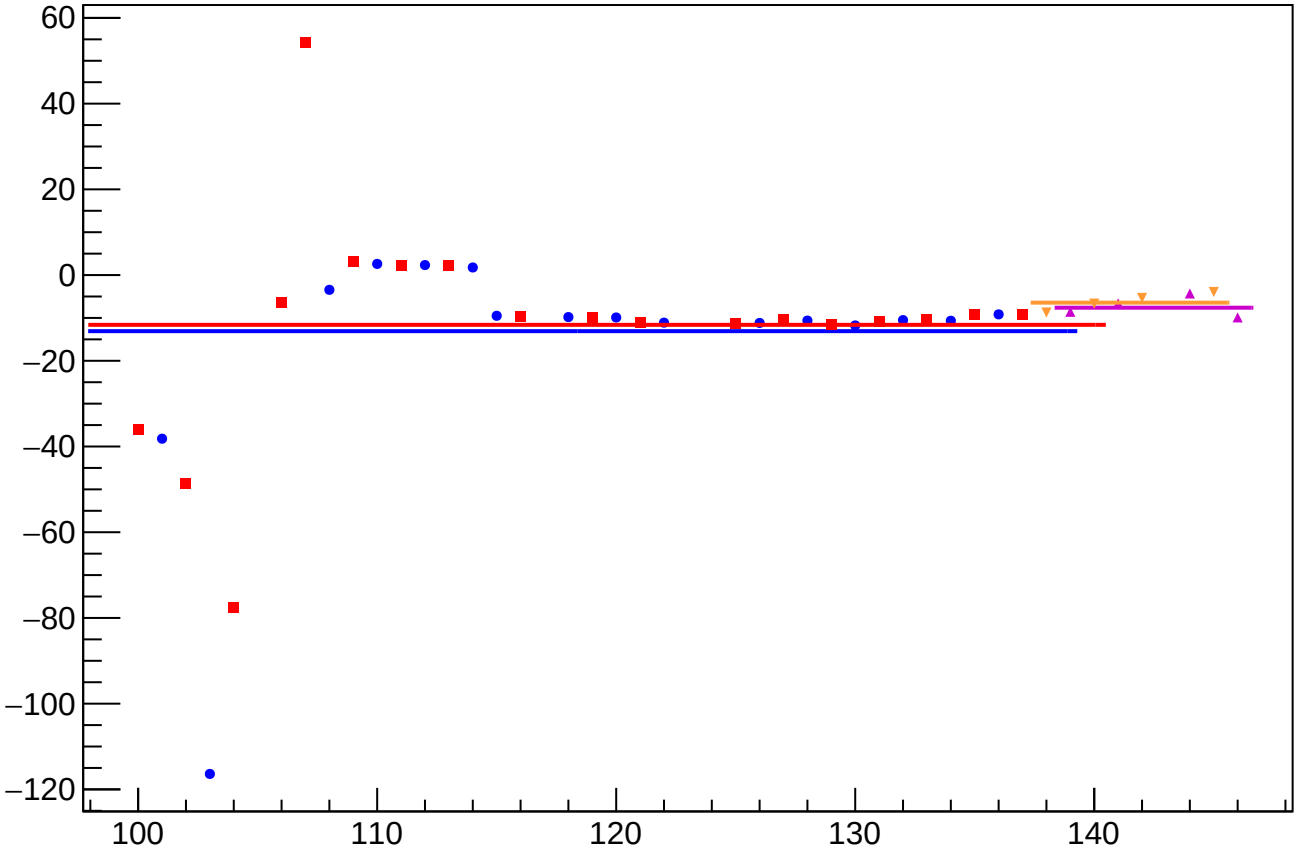
Left In: 13.221+/-0.577 χ^2/NDF:39.8/3

+ sign 18.451+/-0.377 χ^2/NDF: 404.8/19

All: 18.412+/-0.263 χ^2/NDF: 661.8/41

- sign 18.374+/-0.368 χ^2/NDF: 257.0/21

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -6.434+/-0.028 χ^2/NDF:4531.2/3

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

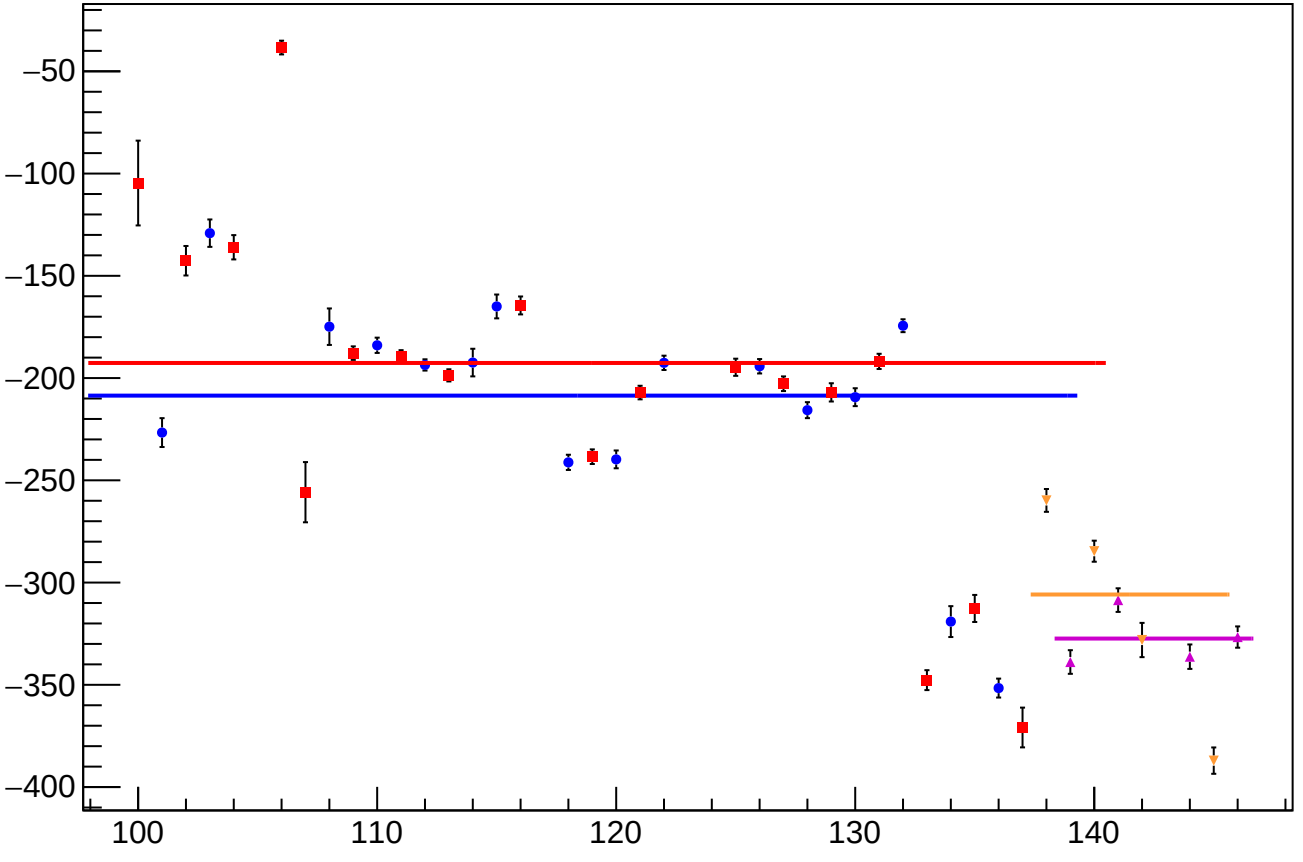
Left In: -7.614+/-0.026 χ^2/NDF:5835.6/3

+ sign -9.713+/-0.020 χ^2/NDF: 377275.5/19

All: -9.479+/-0.014 χ^2/NDF: 707451.9/41

- sign -9.250+/-0.020 χ^2/NDF: 329903.9/21

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -305.838+/-3.041 χ^2/NDF:251.0/3

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

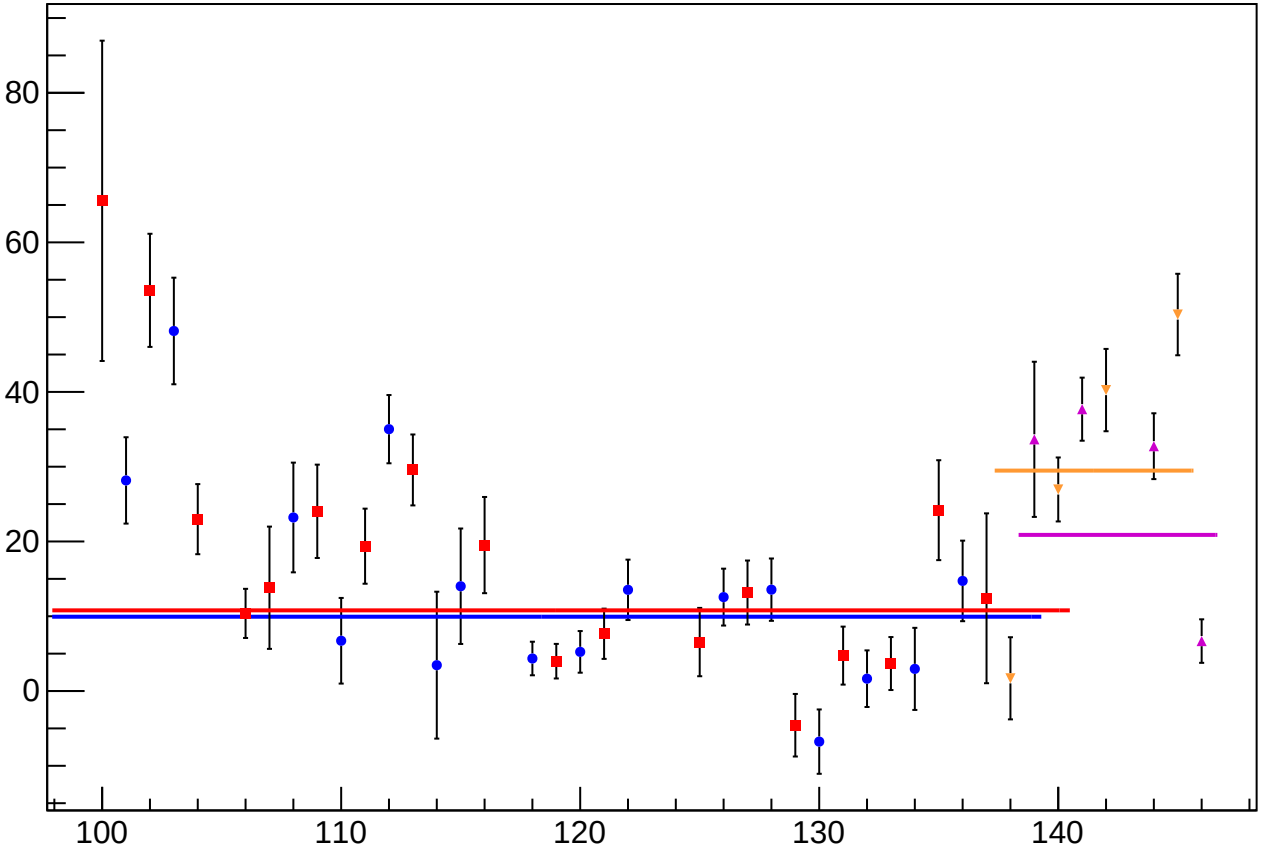
Left In: -327.382+/-2.830 χ^2/NDF:16.8/3

+ sign -219.239+/-1.006 χ^2/NDF: 2913.0/19

All: -213.005+/-0.688 χ^2/NDF: 9225.0/41

- sign -207.543+/-0.942 χ^2/NDF: 6240.0/21

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 29.478+/-2.544 χ^2/NDF:44.4/3

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

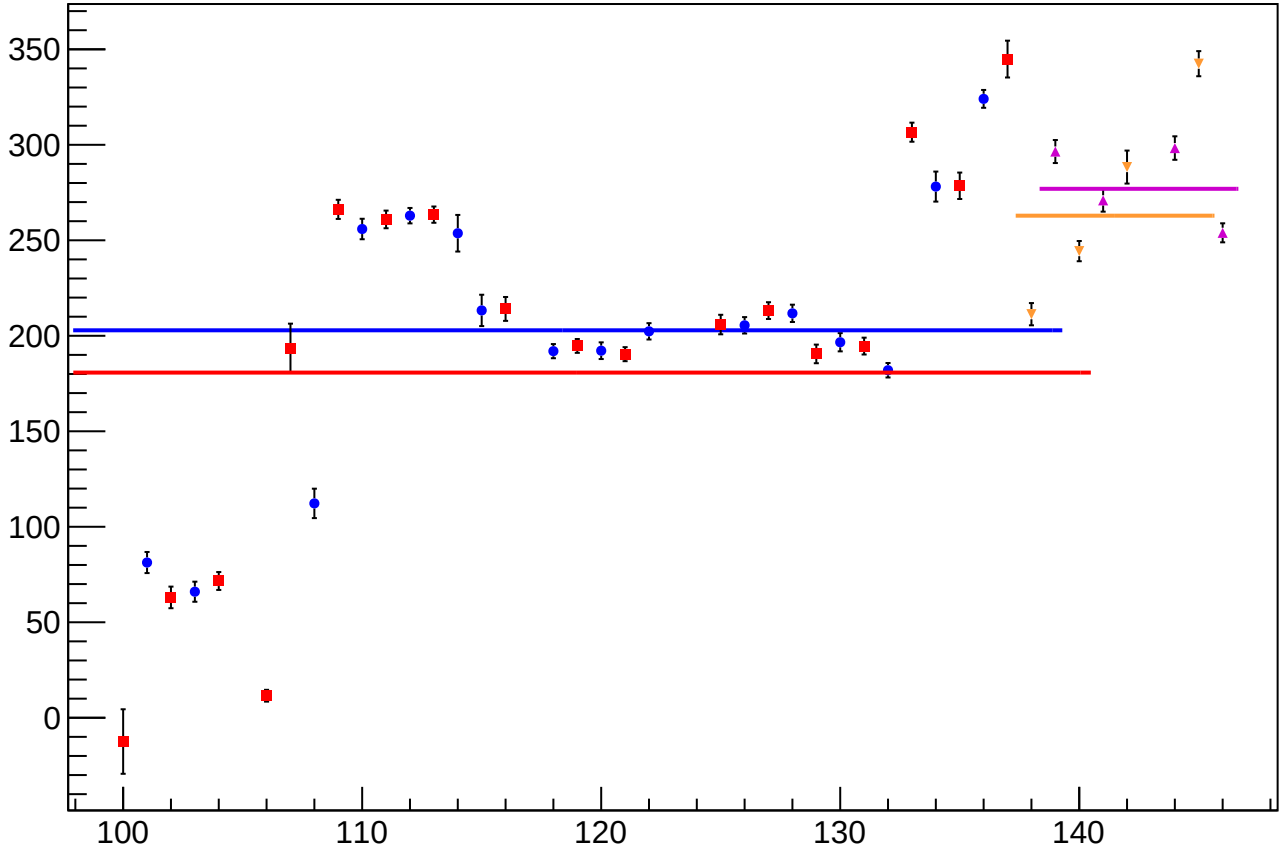
Left In: 20.880+/-2.062 χ^2/NDF:48.5/3

+ sign 12.853+/-0.983 χ^2/NDF: 201.2/19

All: 12.849+/-0.676 χ^2/NDF: 373.8/41

- sign 12.846+/-0.931 χ^2/NDF: 172.6/21

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 262.891+/-3.136 χ^2/NDF:246.0/3

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

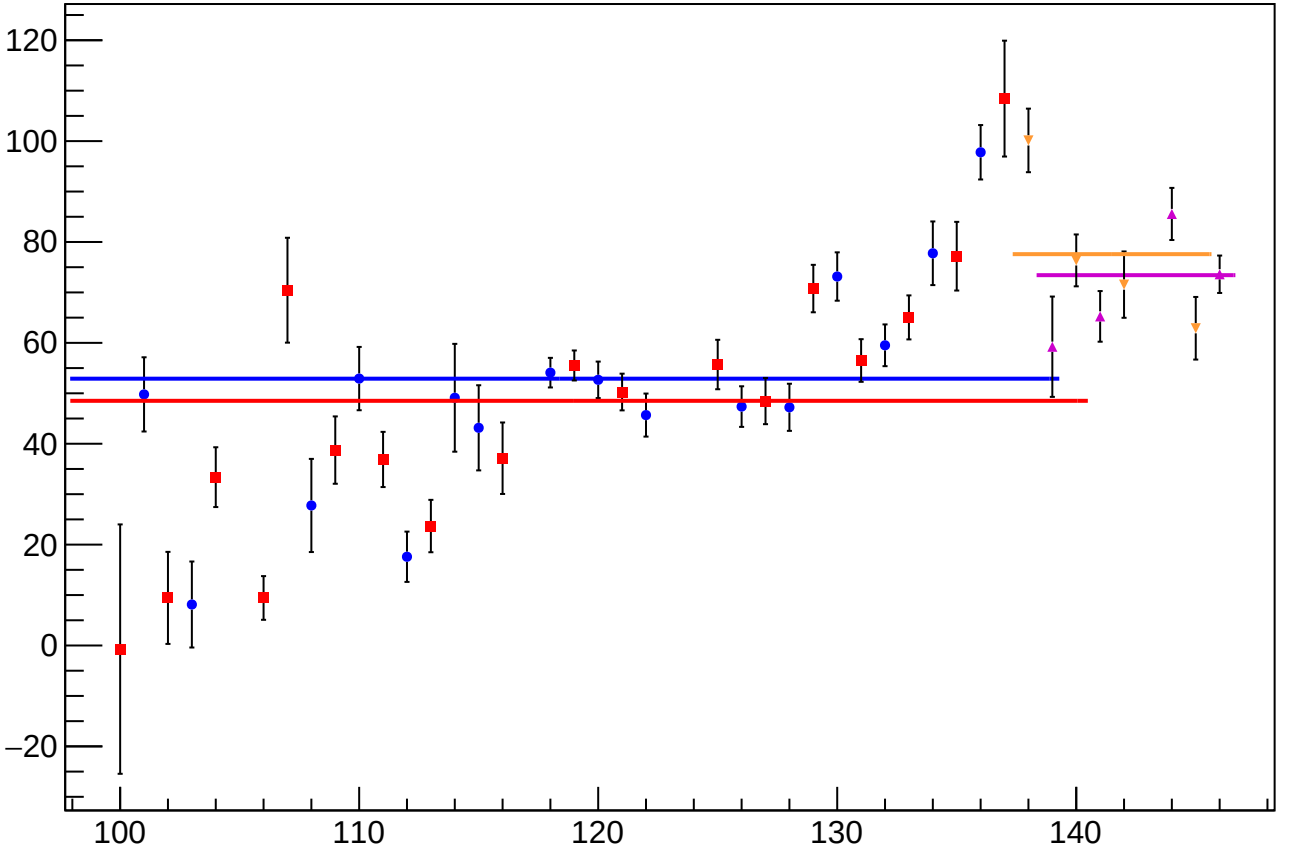
Left In: 276.958+/-2.854 χ^2/NDF:45.0/3

+ sign 210.827+/-1.142 χ^2/NDF: 3028.0/19

All: 201.828+/-0.777 χ^2/NDF: 10516.3/41

- sign 194.045+/-1.062 χ^2/NDF: 7372.4/21

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.588+/-2.987 χ^2/NDF:19.3/3

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

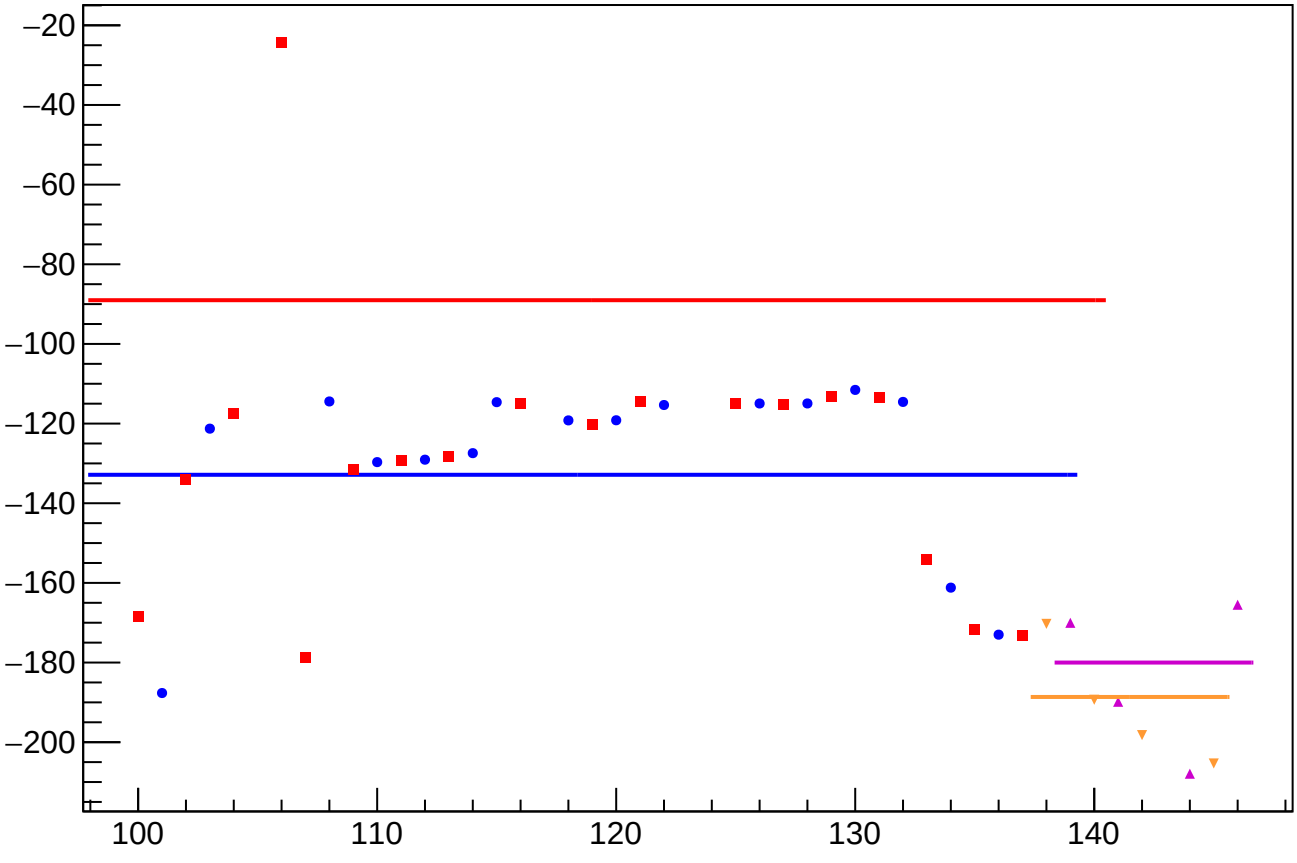
Left In: 73.422+/-2.500 χ^2/NDF:10.2/3

+ sign 56.535+/-1.146 χ^2/NDF: 275.9/19

All: 54.821+/-0.791 χ^2/NDF: 610.7/41

- sign 53.265+/-1.092 χ^2/NDF: 330.5/21

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -188.640+/-0.130 χ^2/NDF:10993.8/3

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

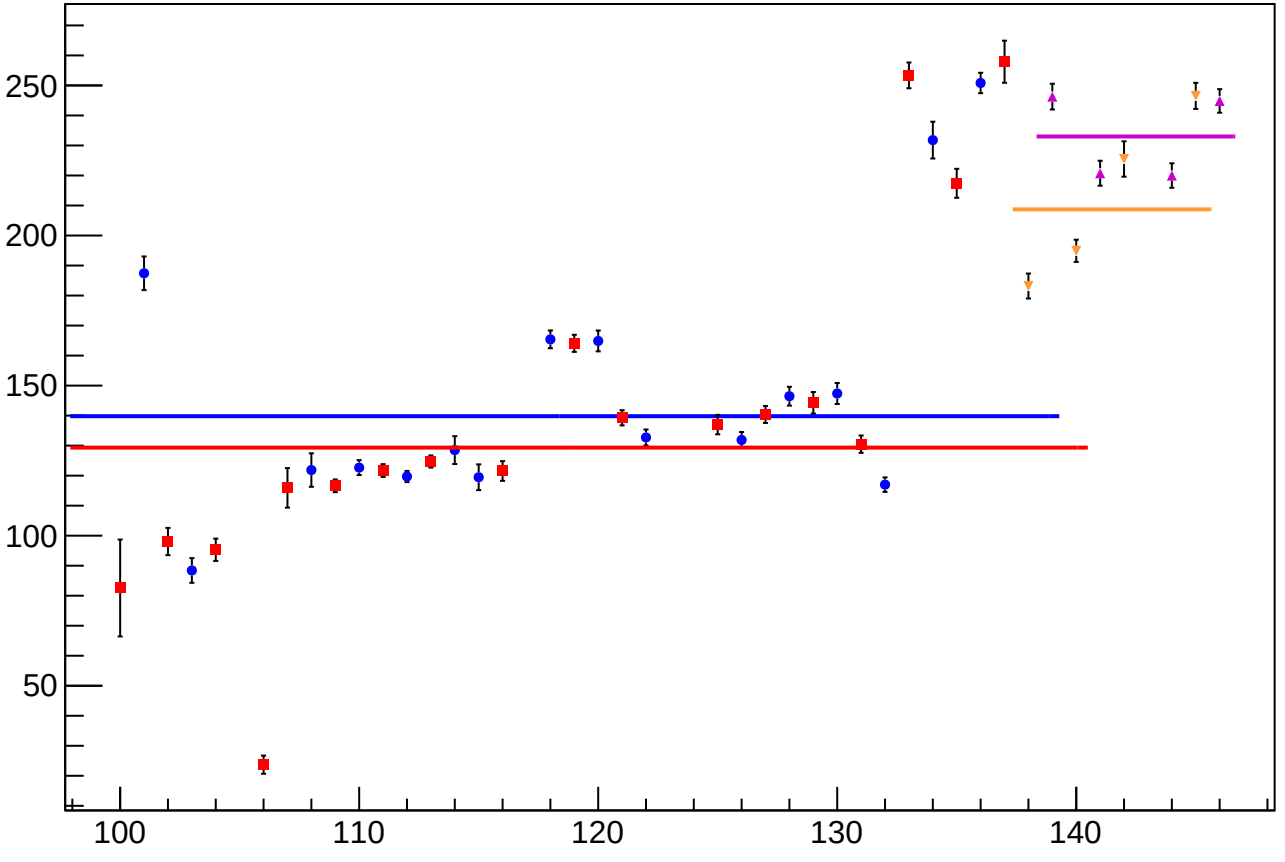
Left In: -180.004+/-0.117 χ^2/NDF:18638.3/3

+ sign -148.492+/-0.069 χ^2/NDF: 236284.2/19

All: -125.460+/-0.044 χ^2/NDF: 1635855.6/41

- sign -110.180+/-0.056 χ^2/NDF: 1214320.5/21

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 208.710+/-2.170 χ^2/NDF:135.3/3

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

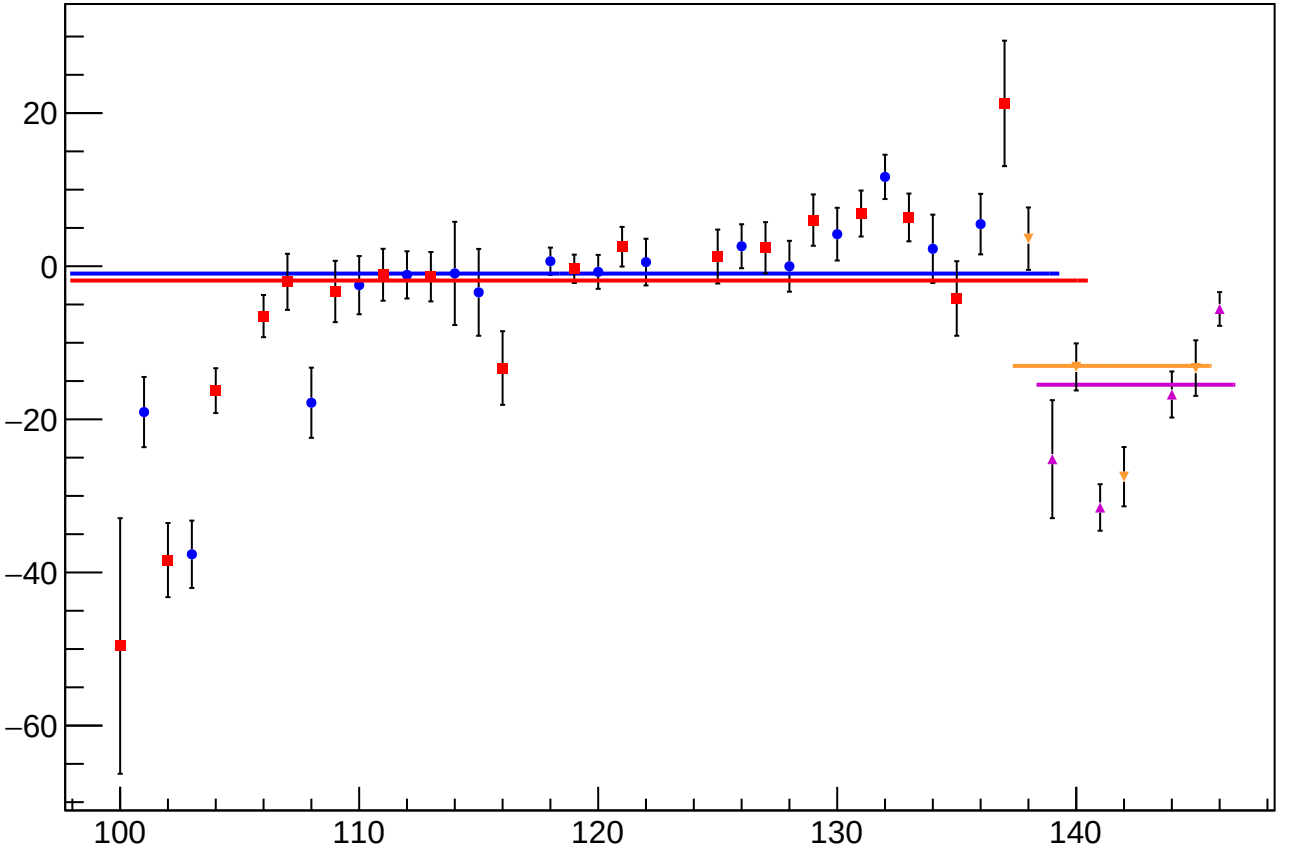
Left In: 233.000+/-2.053 χ^2/NDF:37.5/3

+ sign 147.778+/-0.738 χ^2/NDF: 2992.1/19

All: 144.220+/-0.504 χ^2/NDF: 8456.4/41

- sign 141.096+/-0.691 χ^2/NDF: 5420.6/21

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -13.020+/-1.800 χ^2/NDF:30.6/3

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

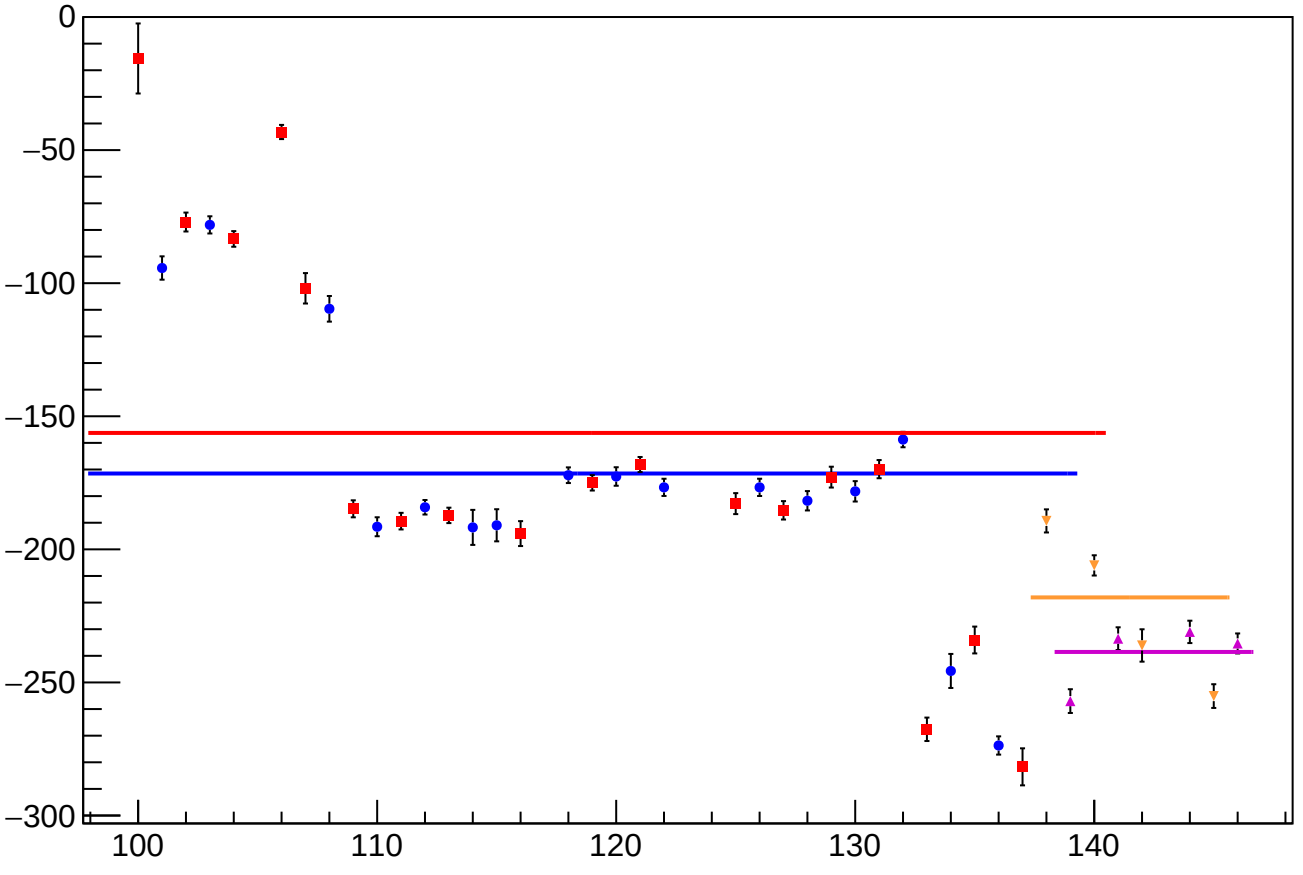
Left In: -15.479+/-1.504 χ^2/NDF:49.8/3

+ sign -2.986+/-0.737 χ^2/NDF: 194.0/19

All: -3.933+/-0.506 χ^2/NDF: 444.5/41

- sign -4.774+/-0.695 χ^2/NDF: 247.4/21

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -218.055+/-2.239 χ^2/NDF:131.8/3

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

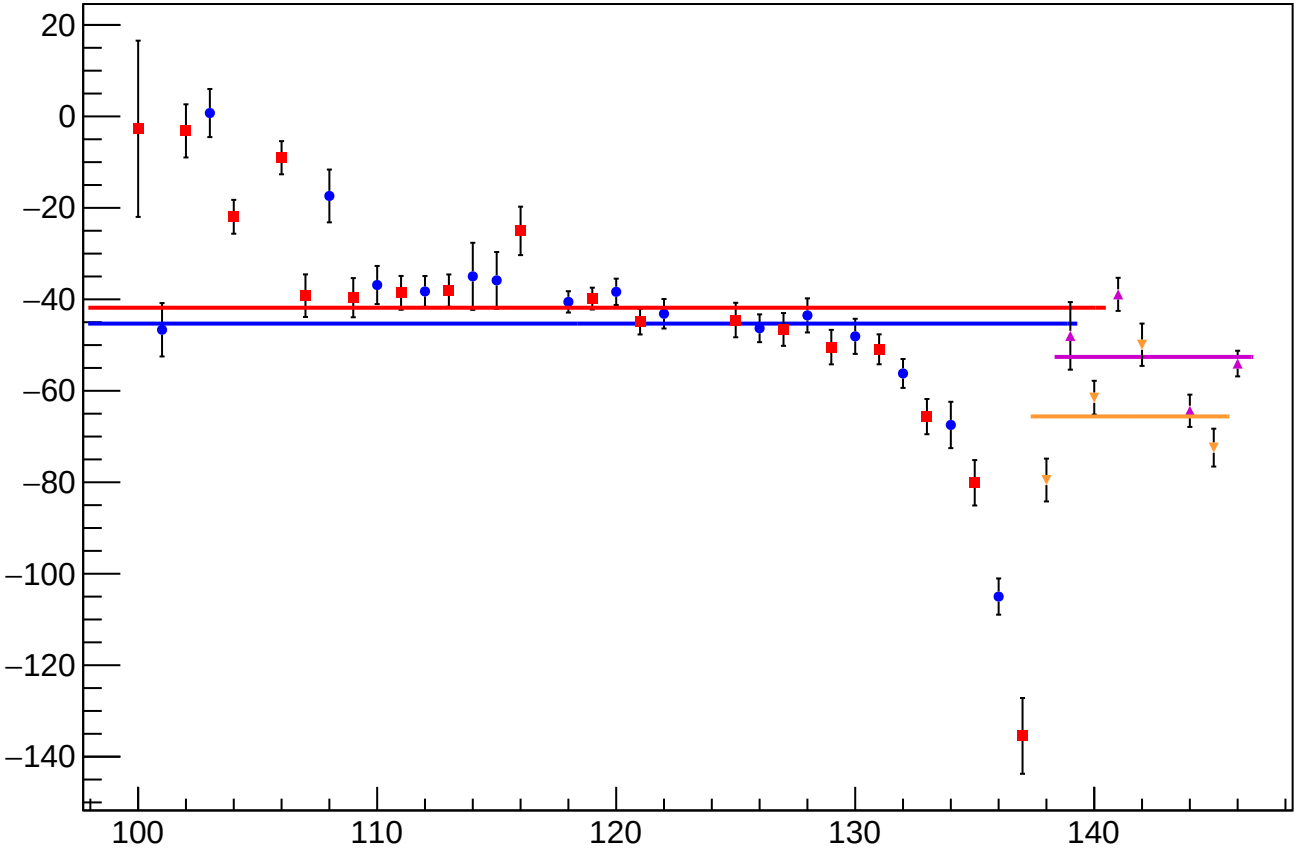
Left In: -238.545+/-2.074 χ^2/NDF:22.4/3

\+ sign -178.068+/-0.840 χ^2/NDF: 2946.1/19

All: -172.704+/-0.573 χ^2/NDF: 9298.3/41

\- sign -168.032+/-0.784 χ^2/NDF: 6276.0/21

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -65.603+/-2.114 χ^2/NDF:24.2/3

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

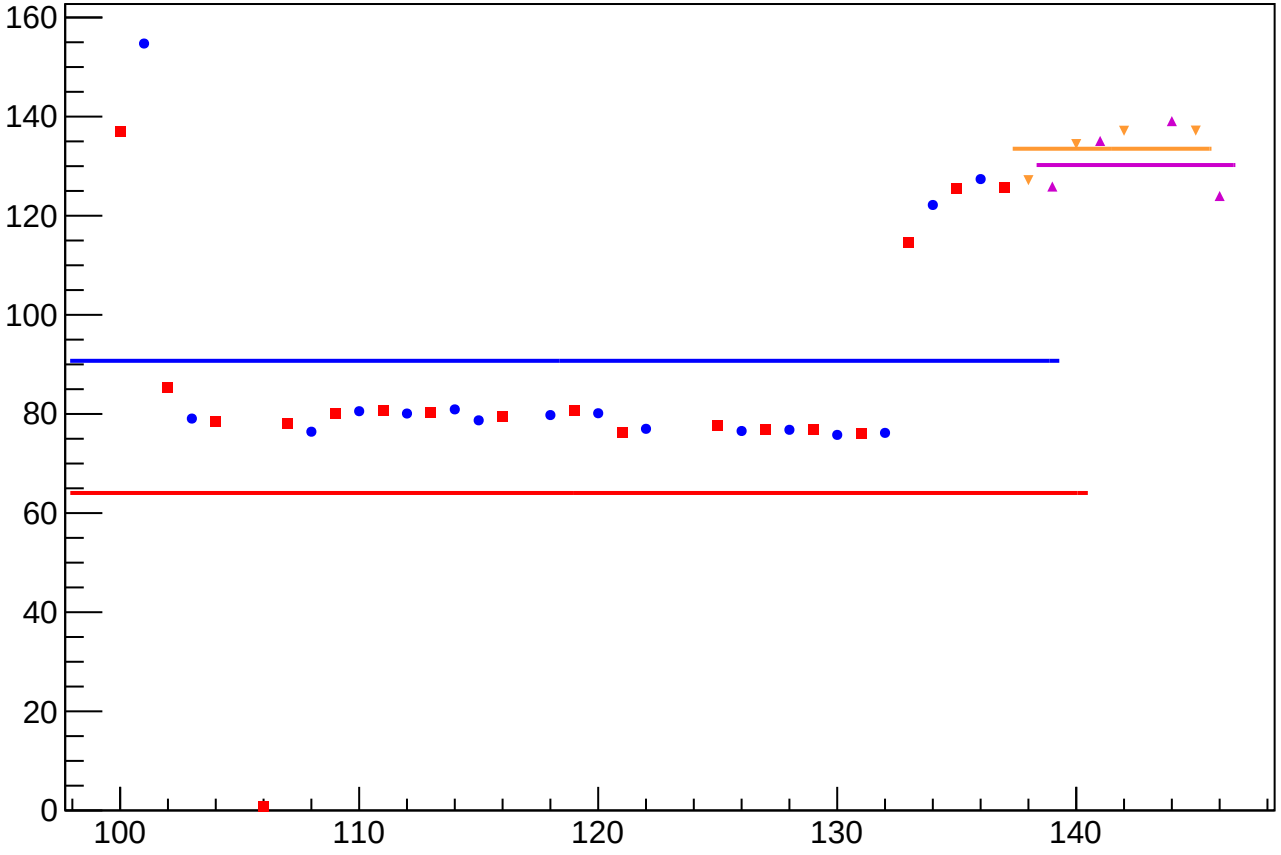
Left In: -52.588+/-1.819 χ^2/NDF:26.1/3

+ sign -48.642+/-0.857 χ^2/NDF: 483.4/19

All: -46.191+/-0.590 χ^2/NDF: 967.2/41

- sign -43.983+/-0.813 χ^2/NDF: 468.3/21

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 133.517+/-0.093 χ^2/NDF:1987.6/3

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

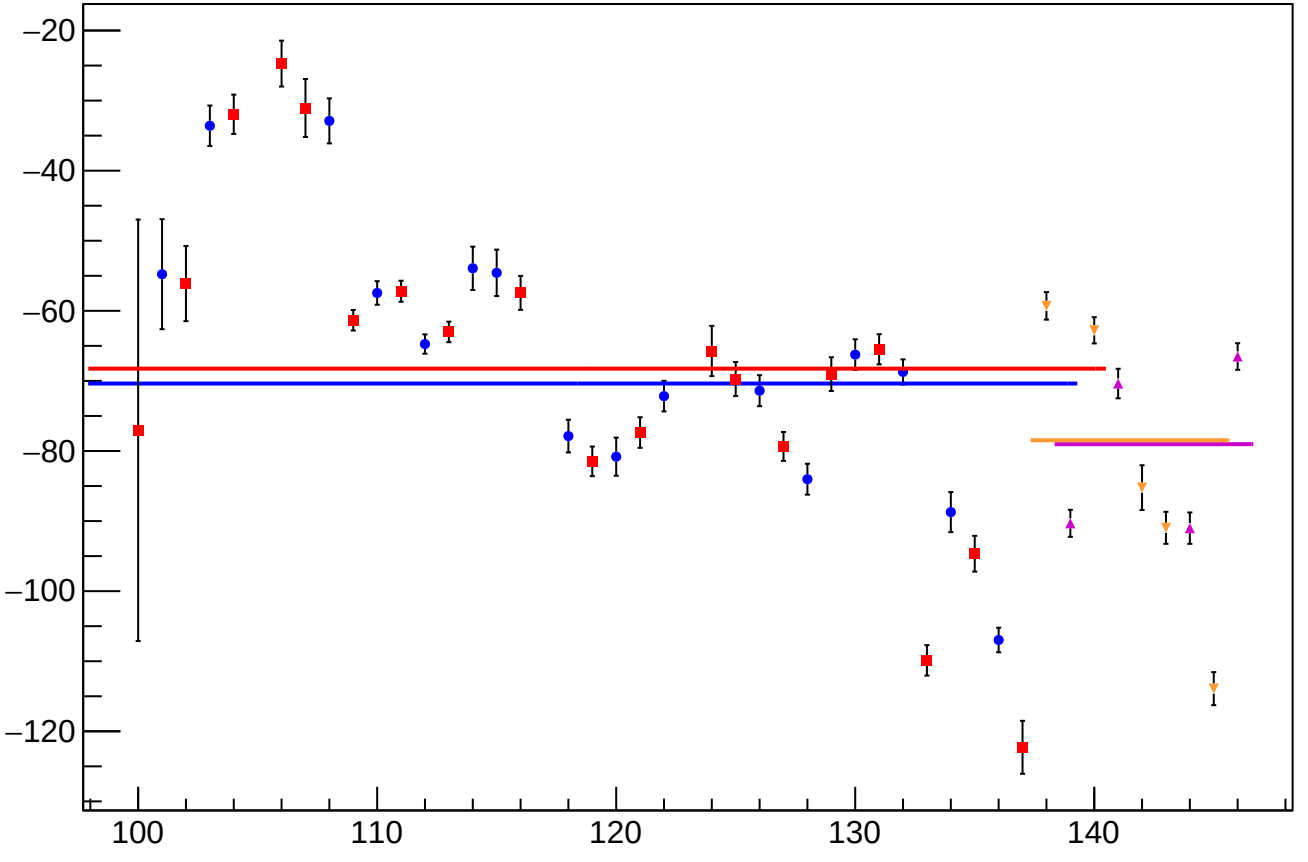
Left In: 130.228+/-0.085 χ^2/NDF:5226.8/3

+ sign 102.844+/-0.050 χ^2/NDF: 314748.1/19

All: 90.144+/-0.032 χ^2/NDF: 1549348.1/41

- sign 80.728+/-0.043 χ^2/NDF: 1120044.1/21

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -78.475+/-0.993 χ^2/NDF:426.1/4

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

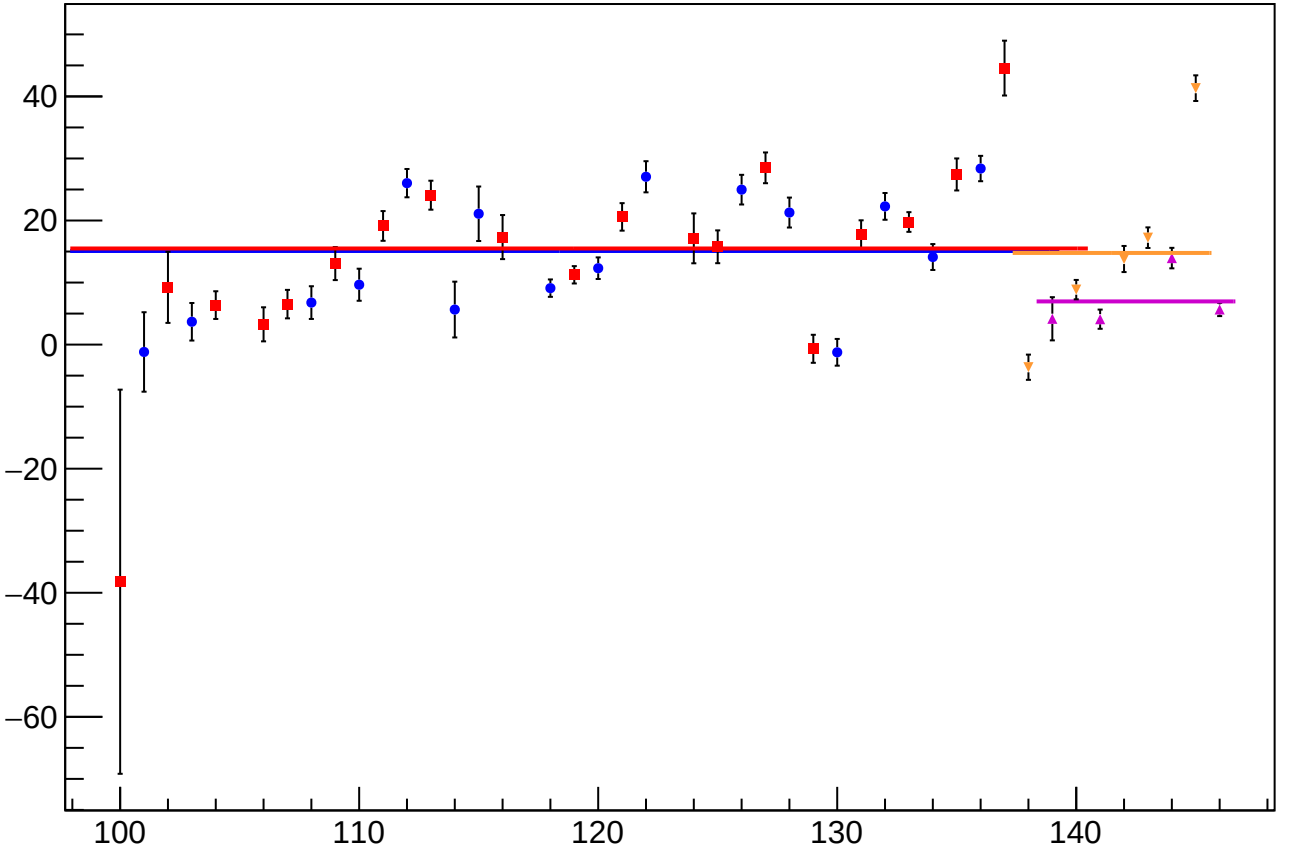
Left In: -79.028+/-1.016 χ^2/NDF:122.8/3

+ sign -72.317+/-0.486 χ^2/NDF: 1451.6/20

All: -71.390+/-0.337 χ^2/NDF: 2976.1/43

- sign -70.533+/-0.468 χ^2/NDF: 1517.4/22

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 14.774+/-0.824 χ^2/NDF:263.6/4

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

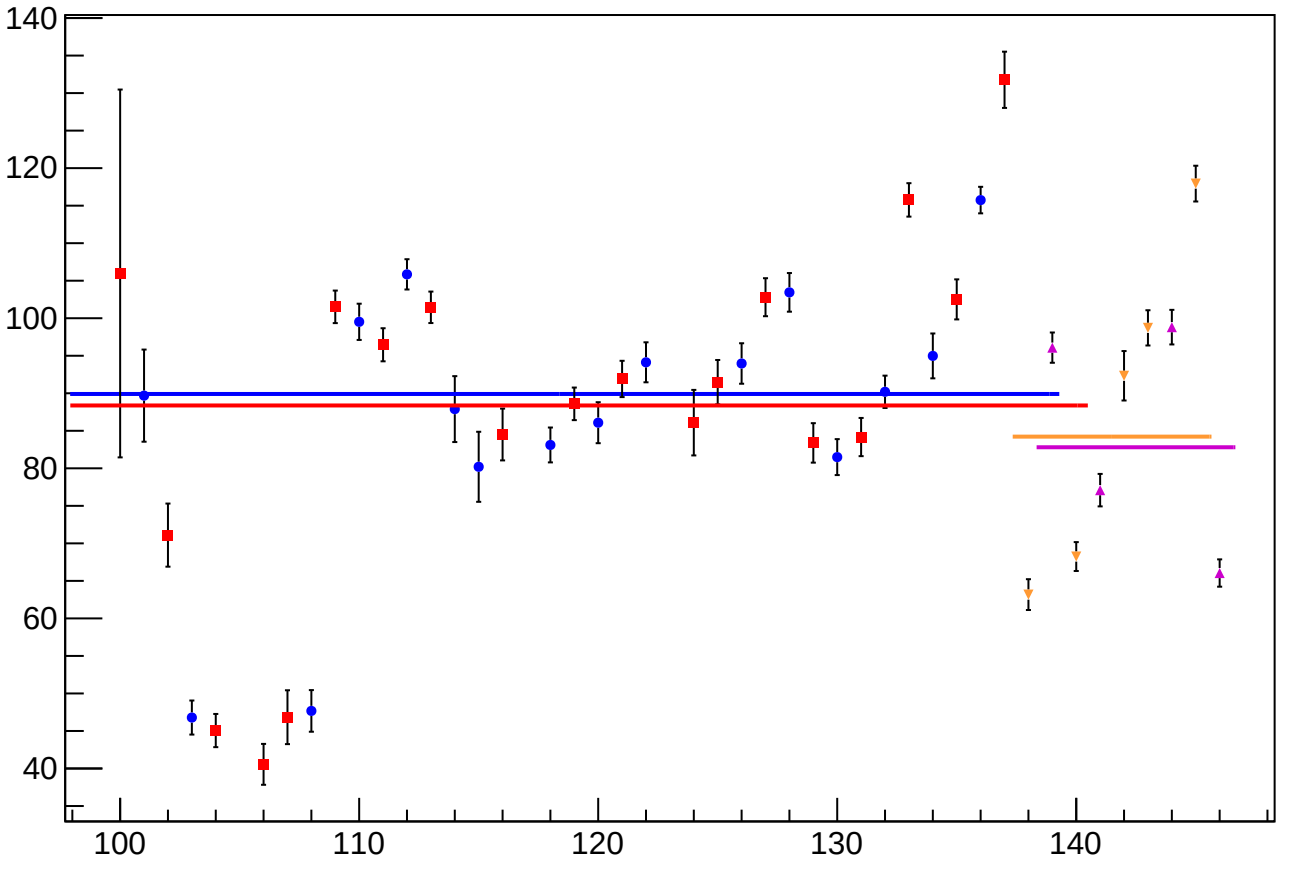
Left In: 6.960+/-0.758 χ^2/NDF:23.4/3

+ sign 14.986+/-0.475 χ^2/NDF: 506.1/20

All: 13.670+/-0.326 χ^2/NDF: 865.6/43

- sign 12.490+/-0.449 χ^2/NDF: 344.9/22

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 84.223+/-1.022 χ^2/NDF:418.3/4

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

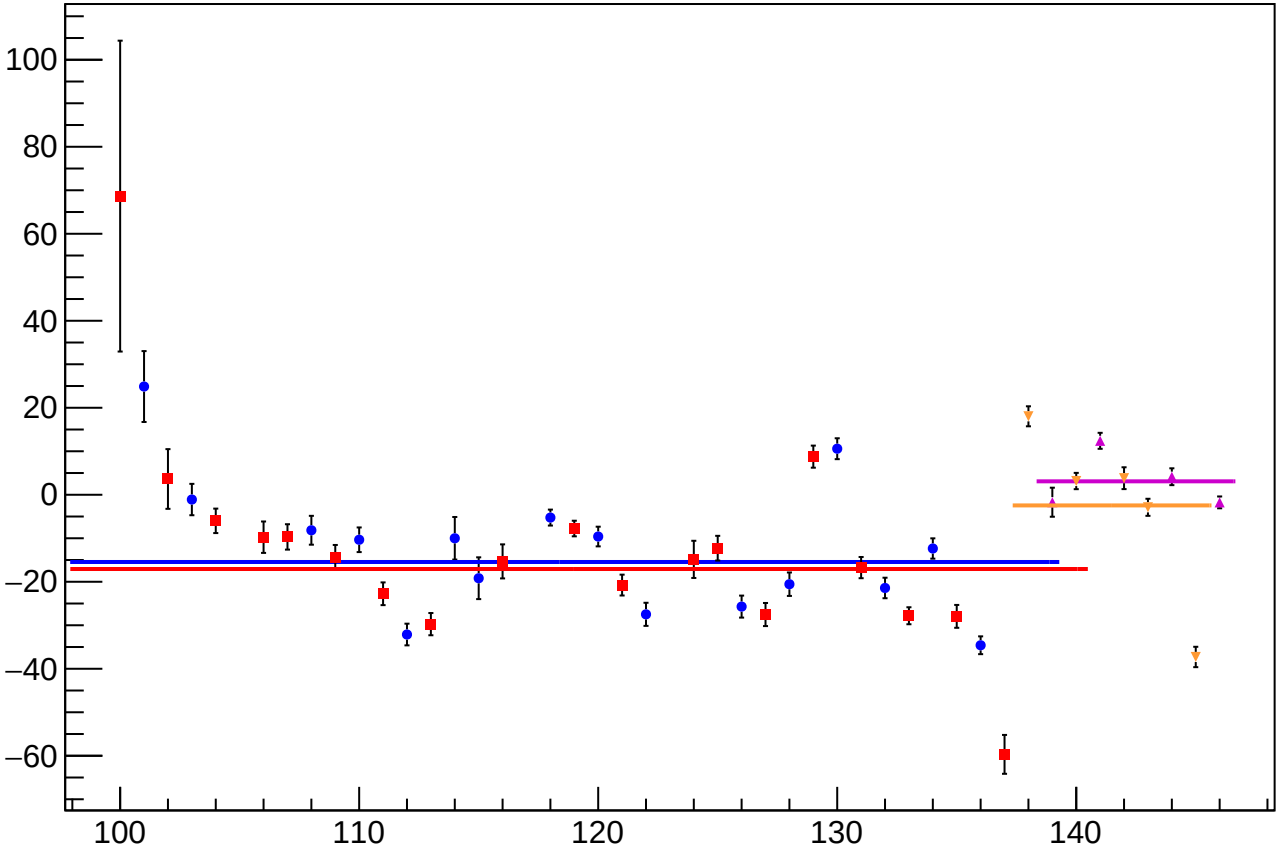
Left In: 82.806+/-1.026 χ^2/NDF:183.3/3

+ sign 88.304+/-0.543 χ^2/NDF: 1388.2/20

All: 87.581+/-0.379 χ^2/NDF: 2885.4/43

- sign 86.895+/-0.529 χ^2/NDF: 1493.7/22

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -2.449+/-0.964 χ^2/NDF:315.9/4

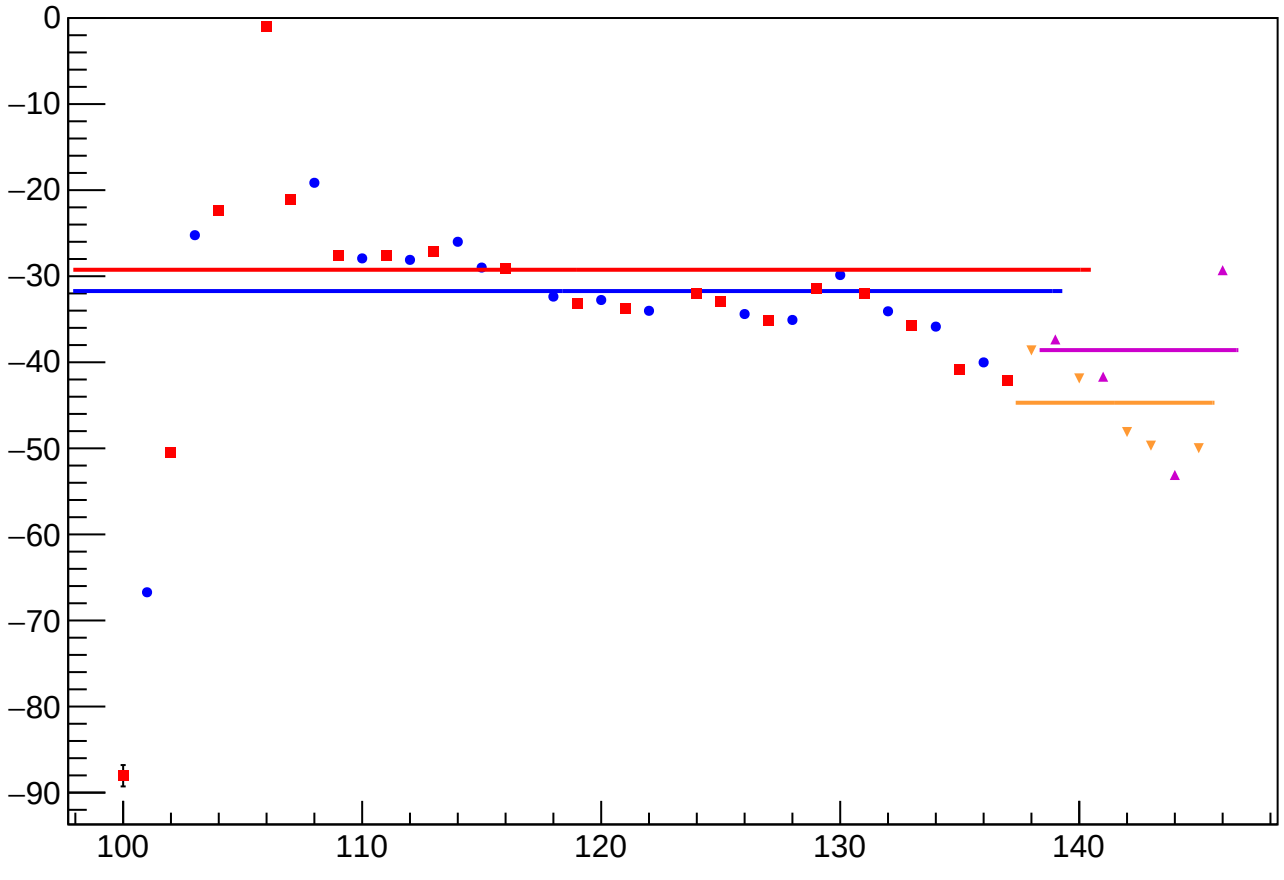
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 3.088+/-0.916 χ^2/NDF:40.7/3

+ sign -11.258+/-0.548 χ^2/NDF: 825.6/20

All: -10.812+/-0.380 χ^2/NDF: 1552.9/43

- sign -10.400+/-0.527 χ^2/NDF: 726.0/22



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -44.700+/-0.042 χ^2/NDF:13100.0/4

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

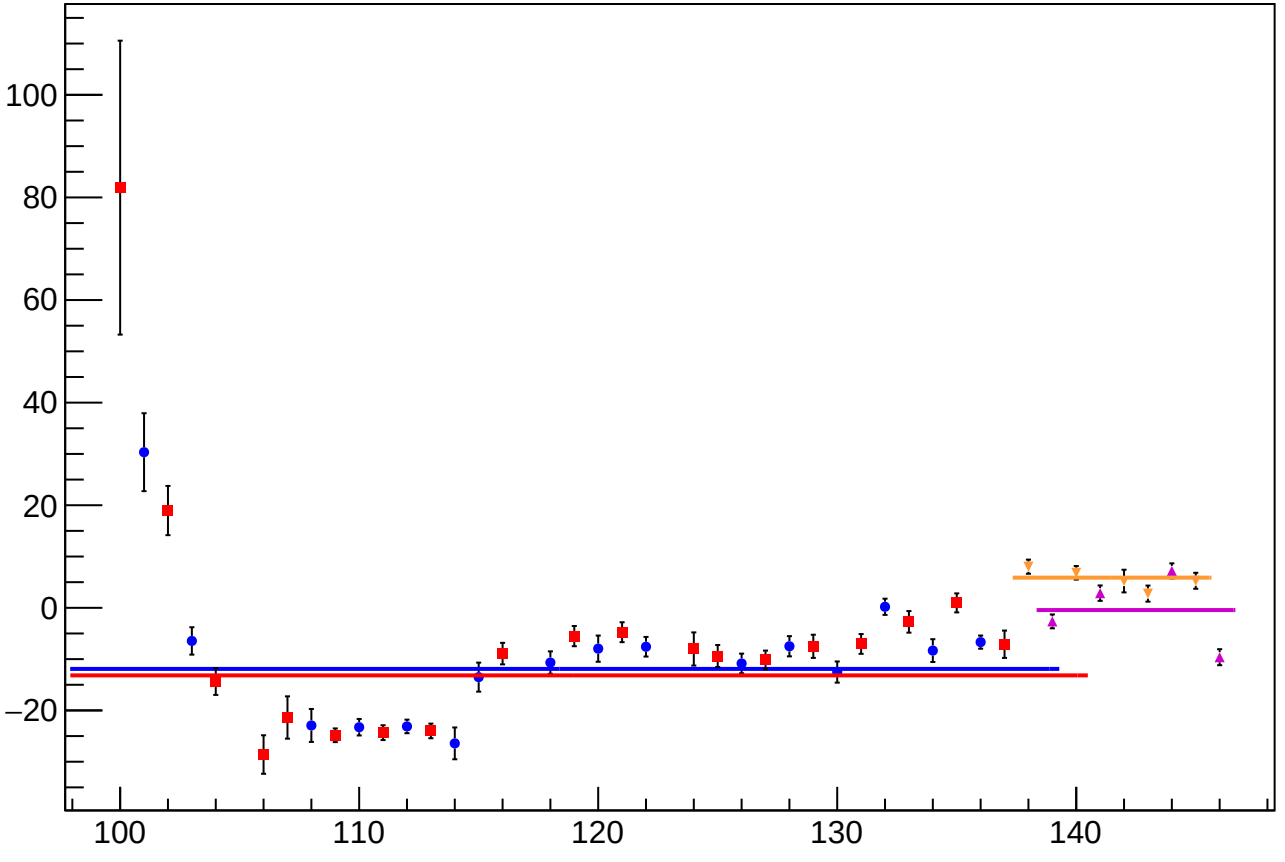
Left In: -38.585+/-0.042 χ^2/NDF:35323.5/3

+ sign -37.619+/-0.028 χ^2/NDF: 104293.7/20

All: -35.568+/-0.020 χ^2/NDF: 272353.0/43

- sign -33.551+/-0.028 χ^2/NDF: 157753.3/22

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 5.885+/-0.687 χ^2/NDF:7.1/4

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

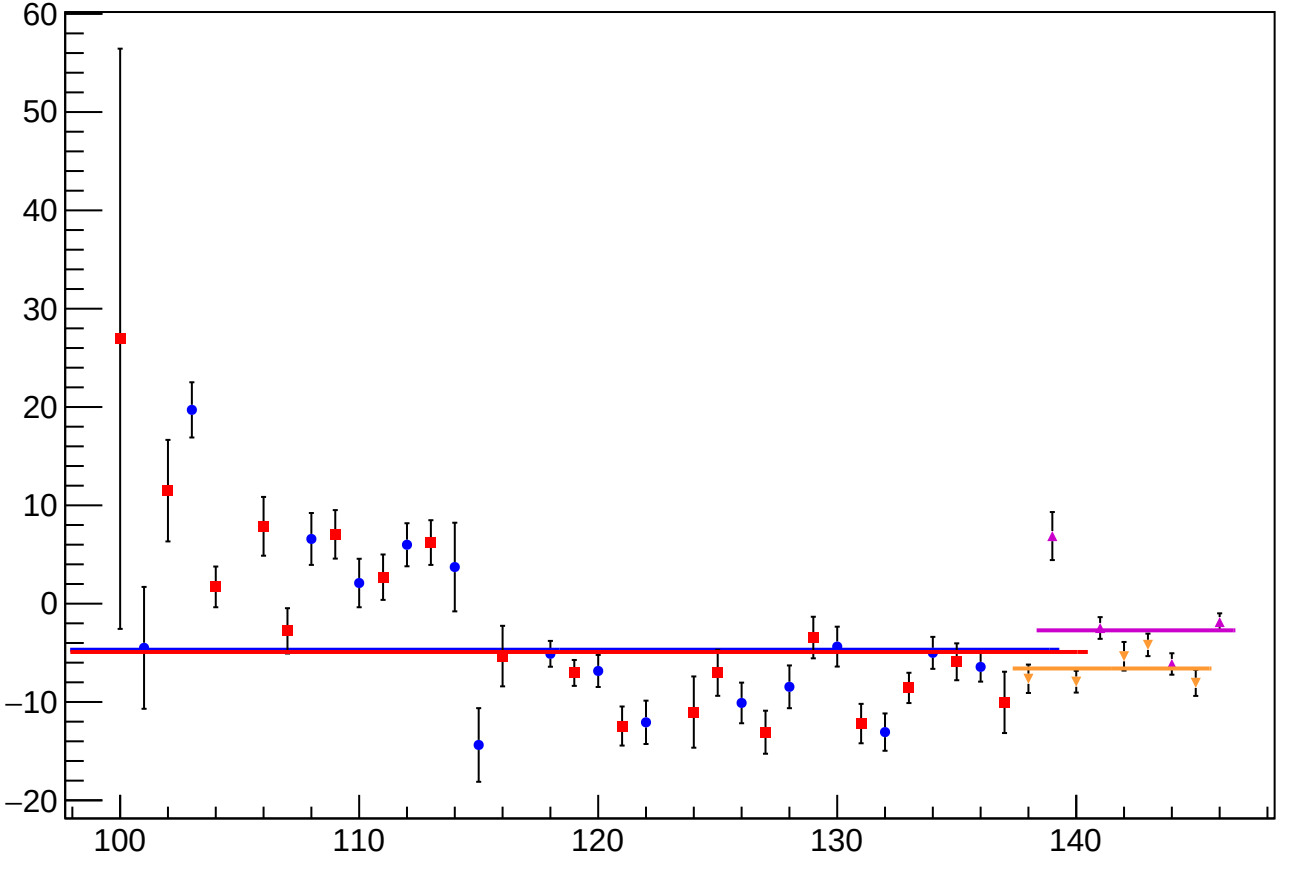
Left In: -0.436+/-0.733 χ^2/NDF:68.8/3

+ sign -5.797+/-0.402 χ^2/NDF: 729.7/20

All: -7.576+/-0.284 χ^2/NDF: 1470.2/43

- sign -9.348+/-0.402 χ^2/NDF: 701.4/22

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -6.593+/-0.568 χ^2/NDF:8.3/4

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

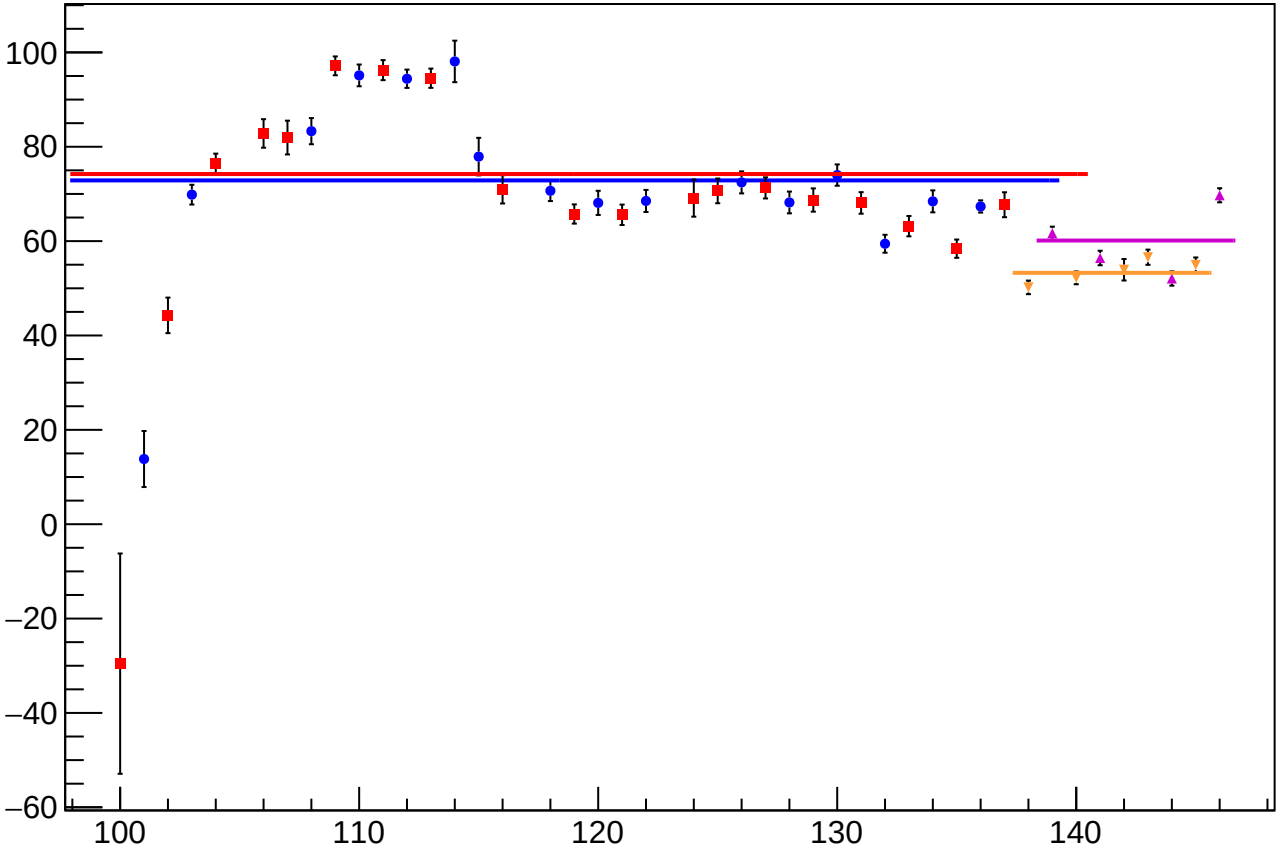
Left In: -2.713+/-0.568 χ^2/NDF:26.2/3

+ sign -5.550+/-0.382 χ^2/NDF: 193.6/20

All: -4.734+/-0.270 χ^2/NDF: 392.9/43

- sign -3.925+/-0.381 χ^2/NDF: 190.3/22

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 53.278+/-0.708 χ^2/NDF:10.6/4

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

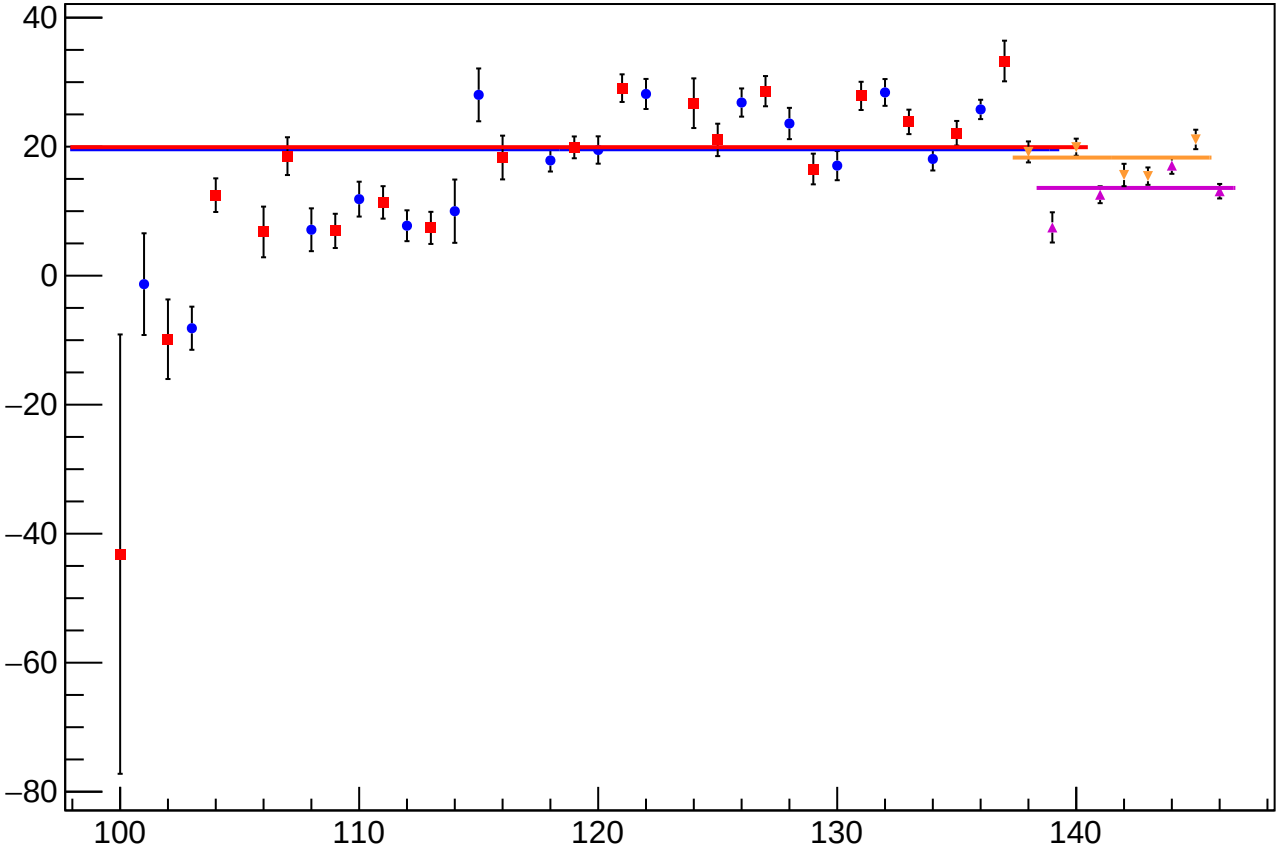
Left In: 60.125+/-0.744 χ^2/NDF:76.0/3

+ sign 65.242+/-0.442 χ^2/NDF: 928.5/20

All: 67.140+/-0.315 χ^2/NDF: 1856.5/43

- sign 69.097+/-0.449 χ^2/NDF: 890.5/22

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 18.308+/-0.664 χ^2/NDF:12.2/4

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

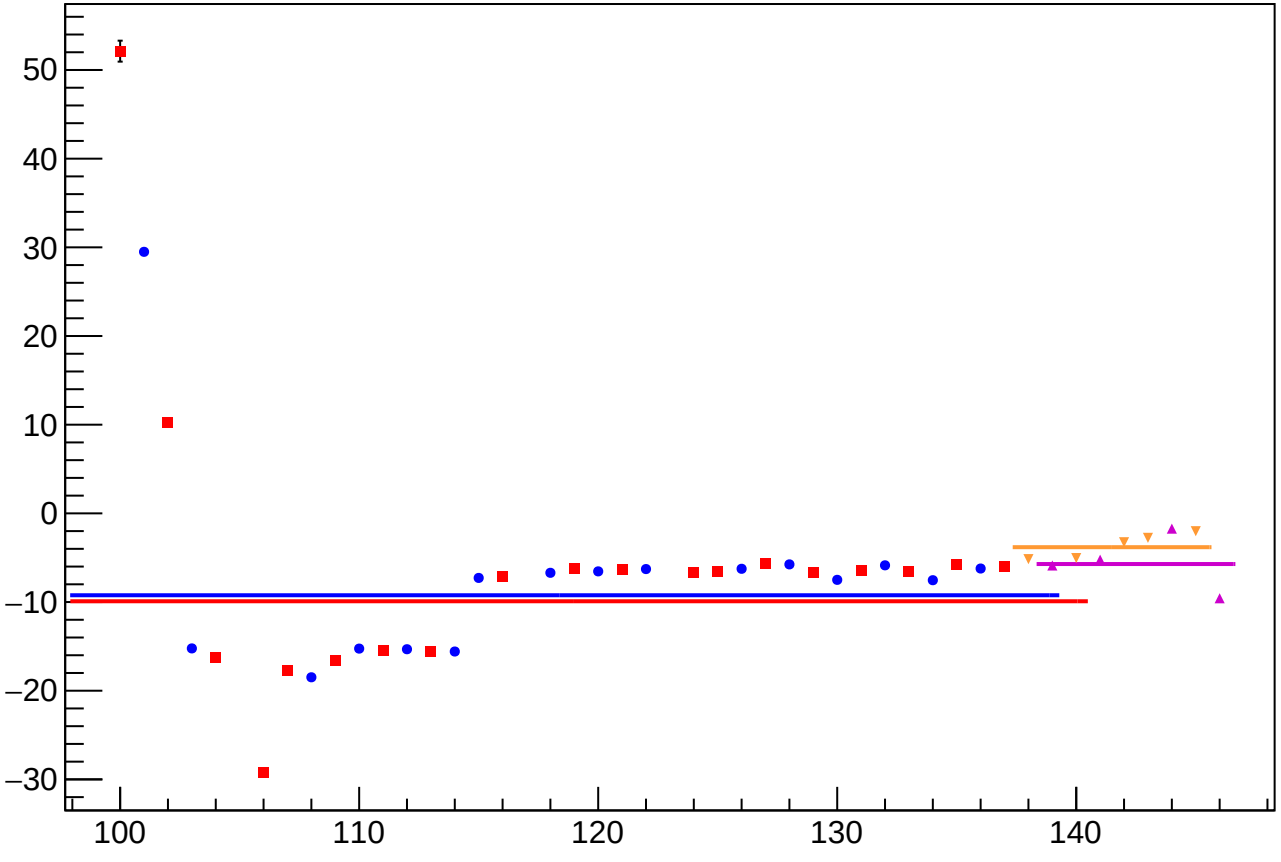
Left In: 13.601+/-0.679 χ^2/NDF:15.0/3

+ sign 19.033+/-0.439 χ^2/NDF: 210.3/20

All: 18.139+/-0.312 χ^2/NDF: 464.8/43

- sign 17.227+/-0.443 χ^2/NDF: 246.0/22

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -3.815+/-0.029 χ^2/NDF:2085.2/4

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

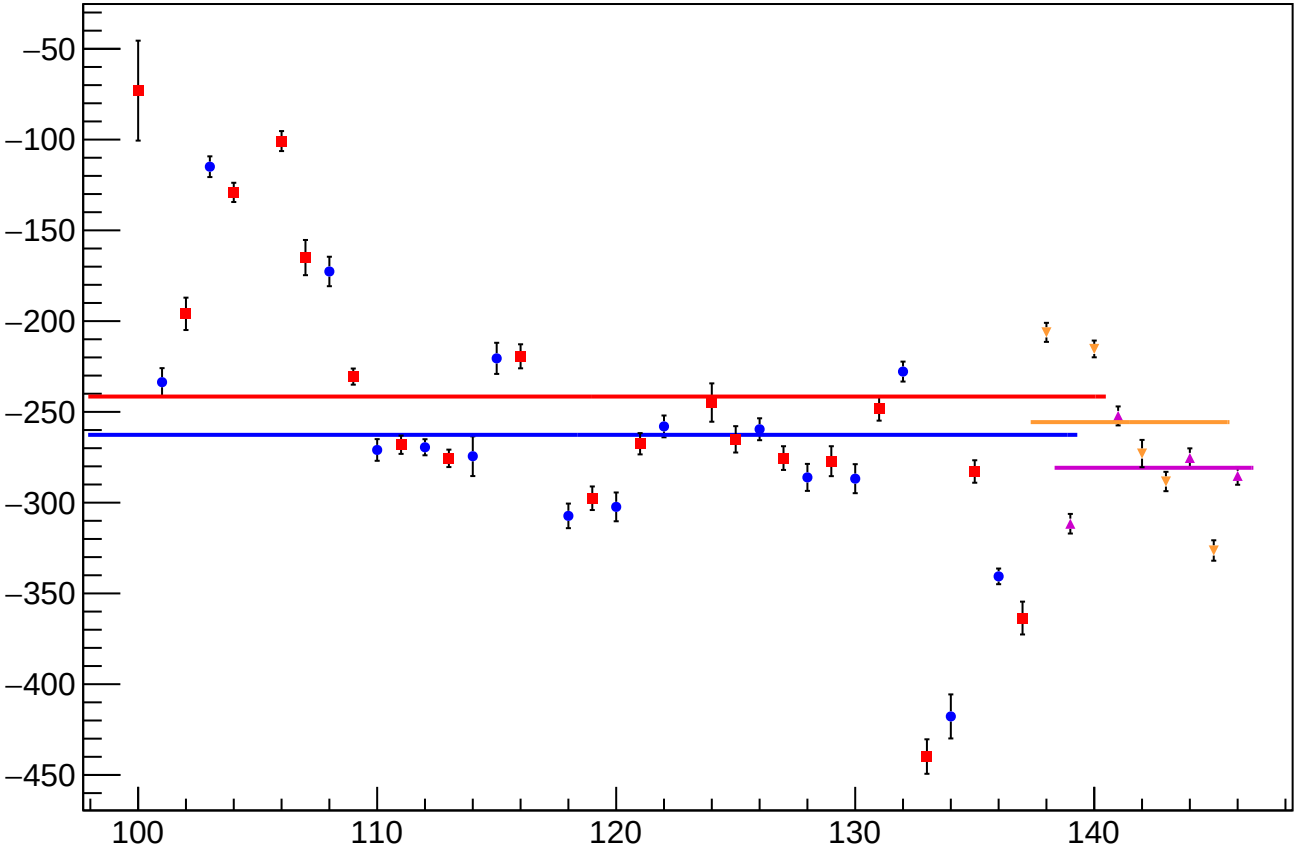
Left In: -5.714+/-0.030 χ^2/NDF:7112.3/3

+ sign -6.202+/-0.022 χ^2/NDF: 48485.4/20

All: -6.841+/-0.016 χ^2/NDF: 119683.2/43

- sign -7.531+/-0.023 χ^2/NDF: 69409.0/22

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -255.635+/-2.442 χ^2/NDF:365.9/4

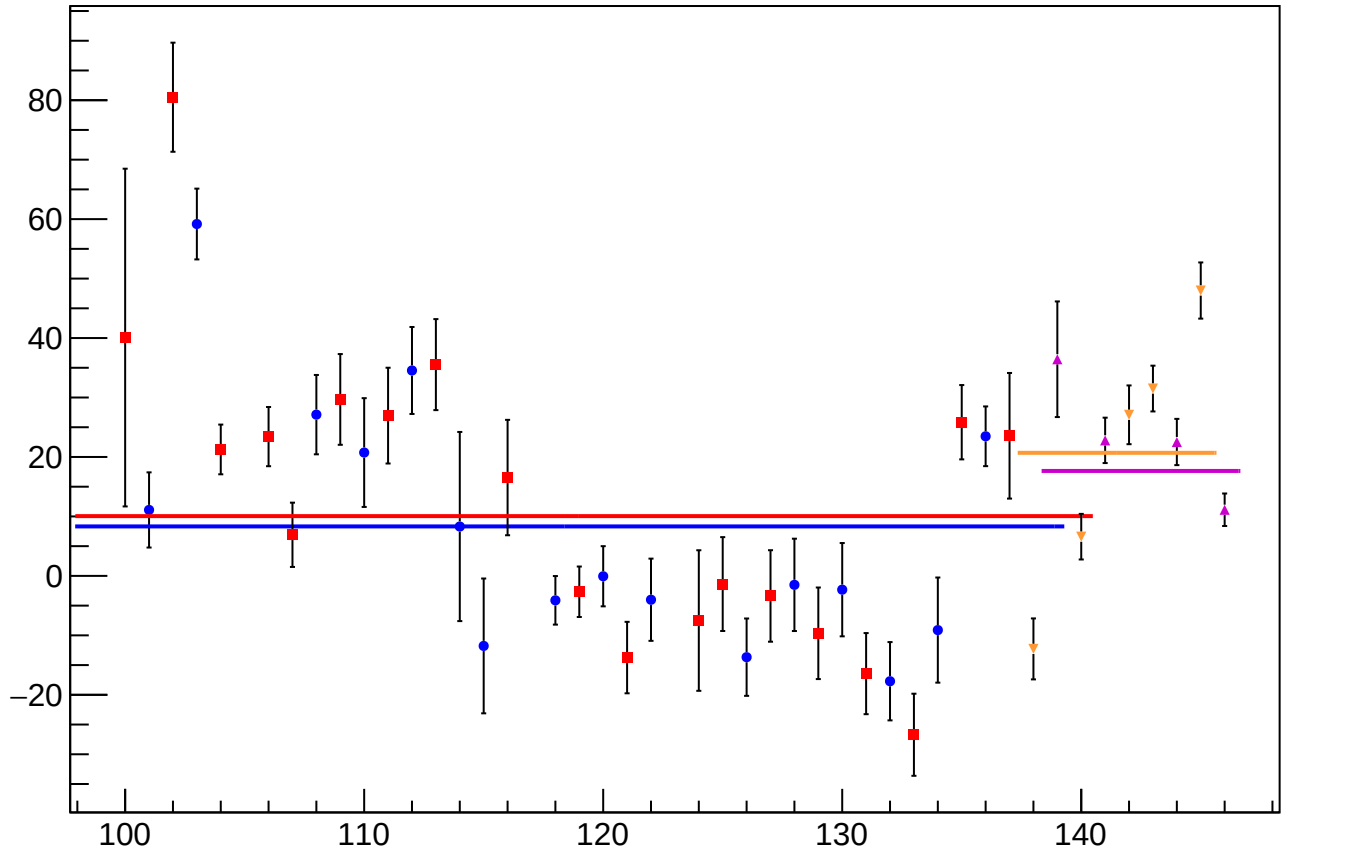
Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -280.795+/-2.595 χ^2/NDF:64.3/3

+ sign -260.513+/-1.346 χ^2/NDF: 1825.9/20

All: -255.824+/-0.936 χ^2/NDF: 4223.4/43

- sign -251.435+/-1.303 χ^2/NDF: 2374.0/22



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 20.700+/-1.964 χ^2/NDF:97.8/4

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

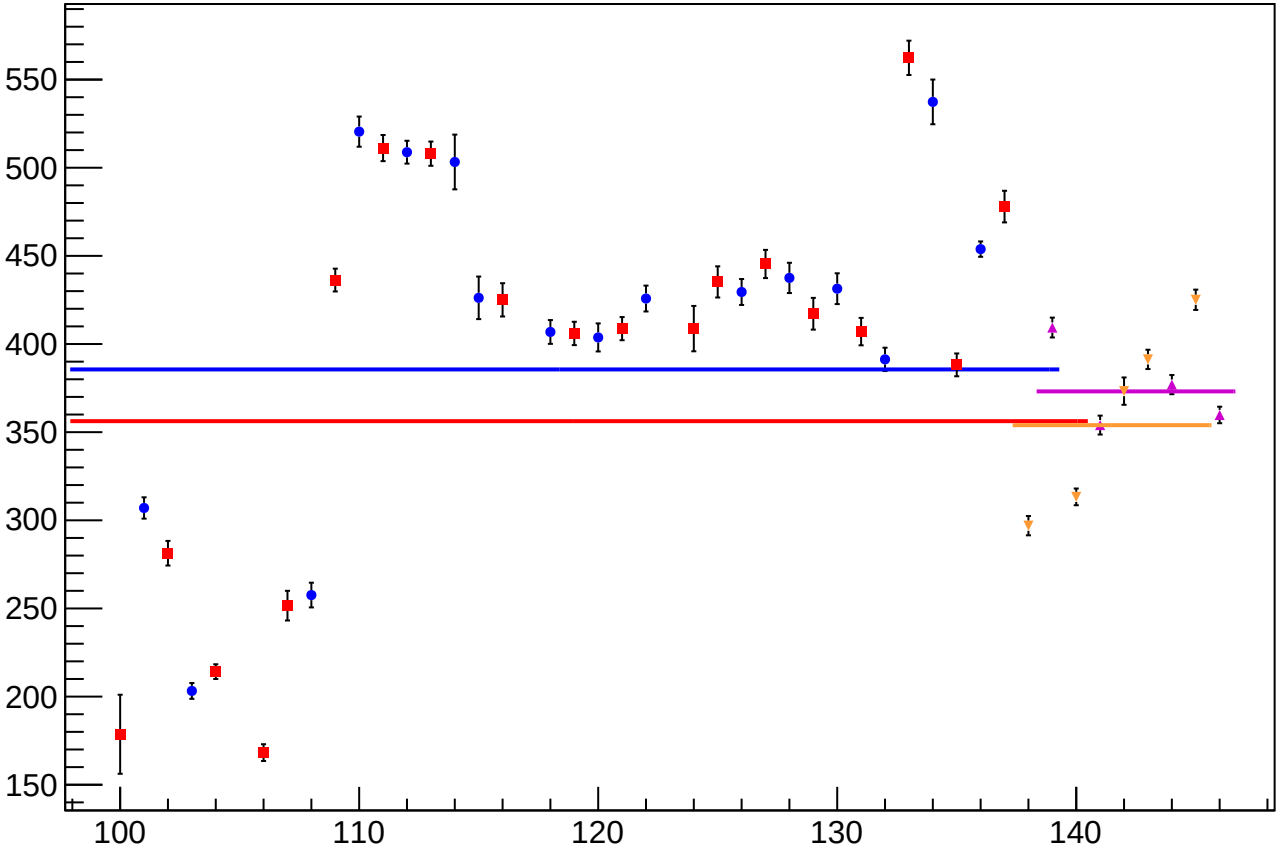
Left In: 17.650+/-1.893 χ^2/NDF:12.8/3

+ sign 13.422+/-1.261 χ^2/NDF: 278.9/20

All: 13.239+/-0.867 χ^2/NDF: 488.8/43

- sign 13.075+/-1.194 χ^2/NDF: 209.9/22

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 353.967+/-2.516 χ^2/NDF:387.2/4

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

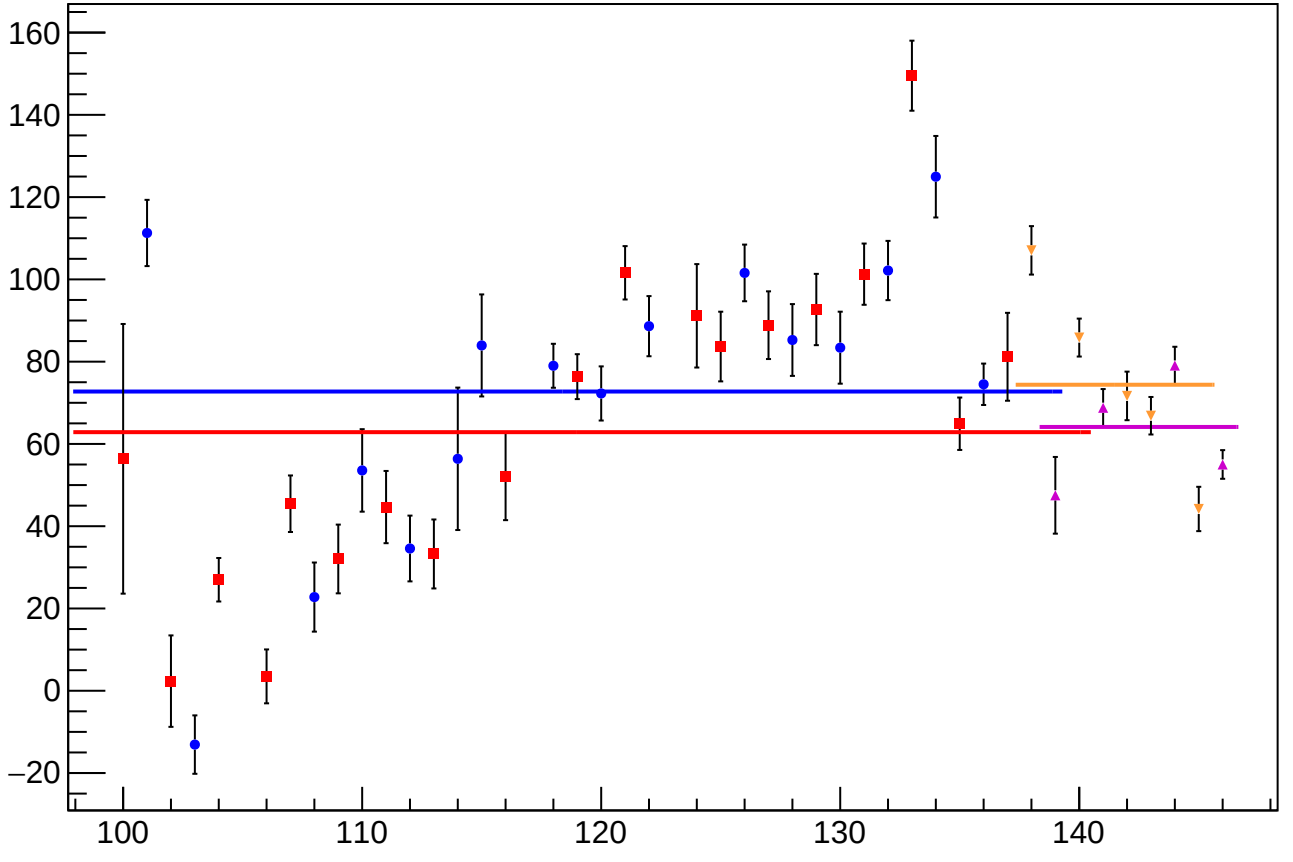
Left In: 373.126+/-2.619 χ^2/NDF:62.7/3

+ sign 375.343+/-1.432 χ^2/NDF: 3867.1/20

All: 367.990+/-0.999 χ^2/NDF: 9281.2/43

- sign 361.027+/-1.394 χ^2/NDF: 5362.8/22

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 74.390+/-2.312 χ^2/NDF:71.3/4

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

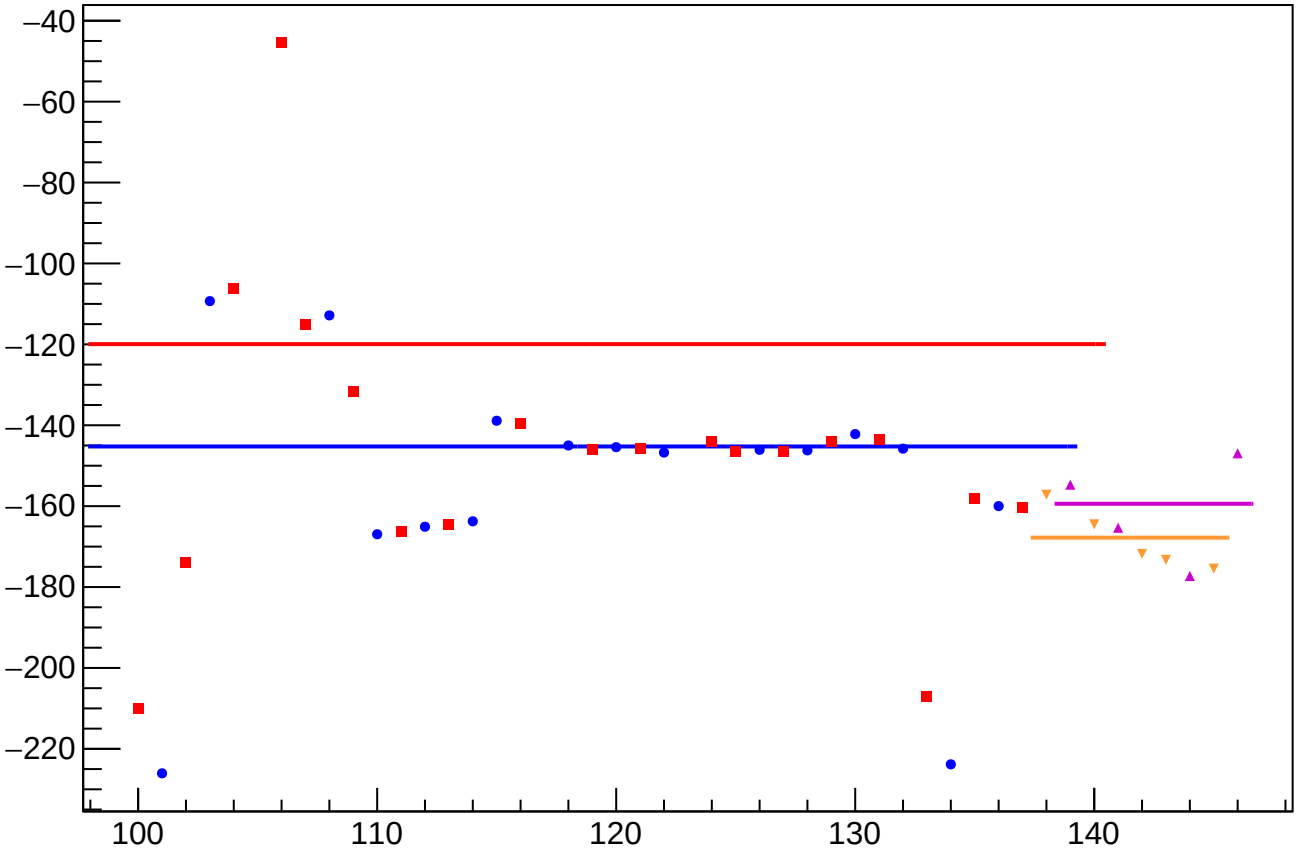
Left In: 64.129+/-2.292 χ^2/NDF:21.8/3

+ sign 73.404+/-1.466 χ^2/NDF: 375.9/20

All: 68.188+/-1.018 χ^2/NDF: 825.9/43

- sign 63.344+/-1.413 χ^2/NDF: 425.6/22

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -167.788+/-0.105 χ^2/NDF:4420.9/4

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

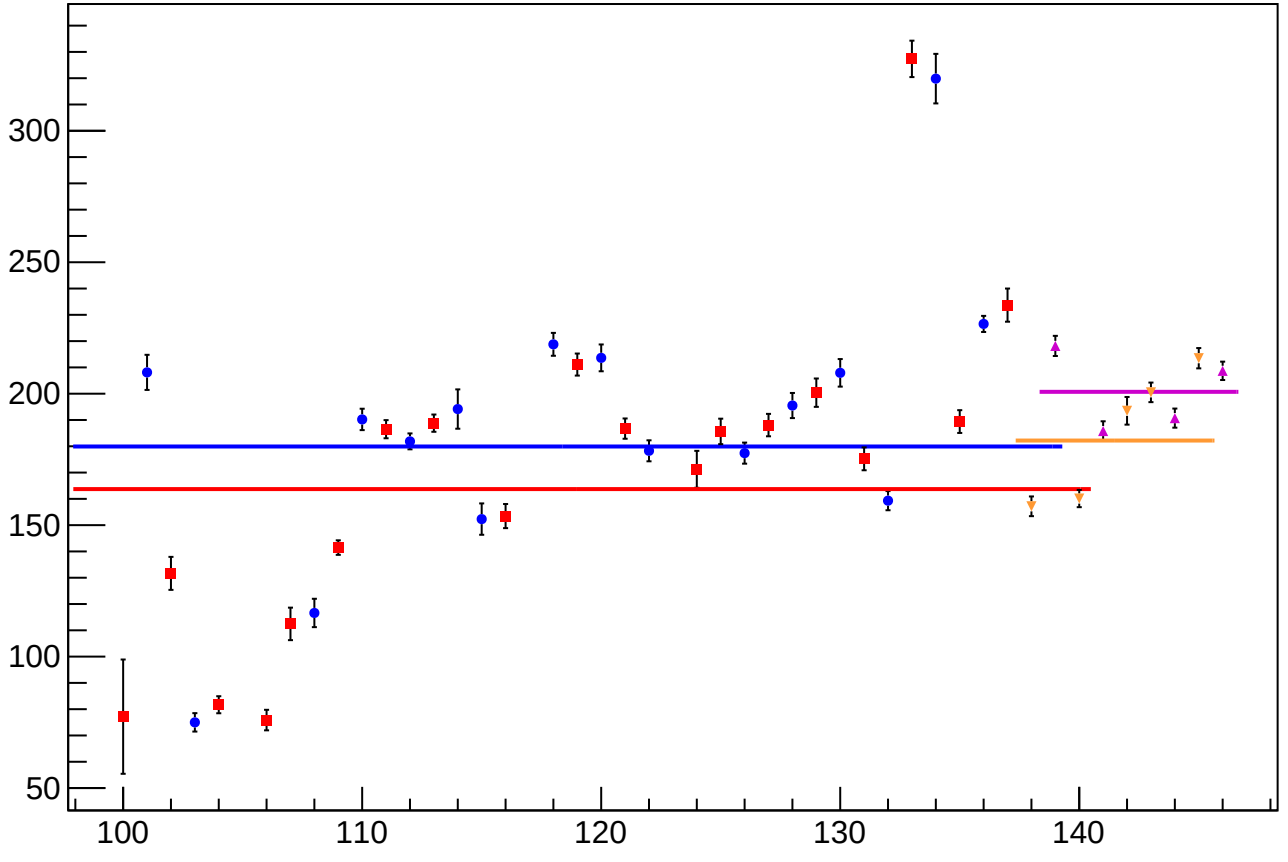
Left In: -159.410+/-0.107 χ^2/NDF:10507.8/3

+ sign -155.802+/-0.072 χ^2/NDF: 161085.5/20

All: -145.464+/-0.050 χ^2/NDF: 561905.8/43

- sign -136.037+/-0.068 χ^2/NDF: 361076.6/22

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 182.182+/-1.716 χ^2/NDF:184.5/4

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

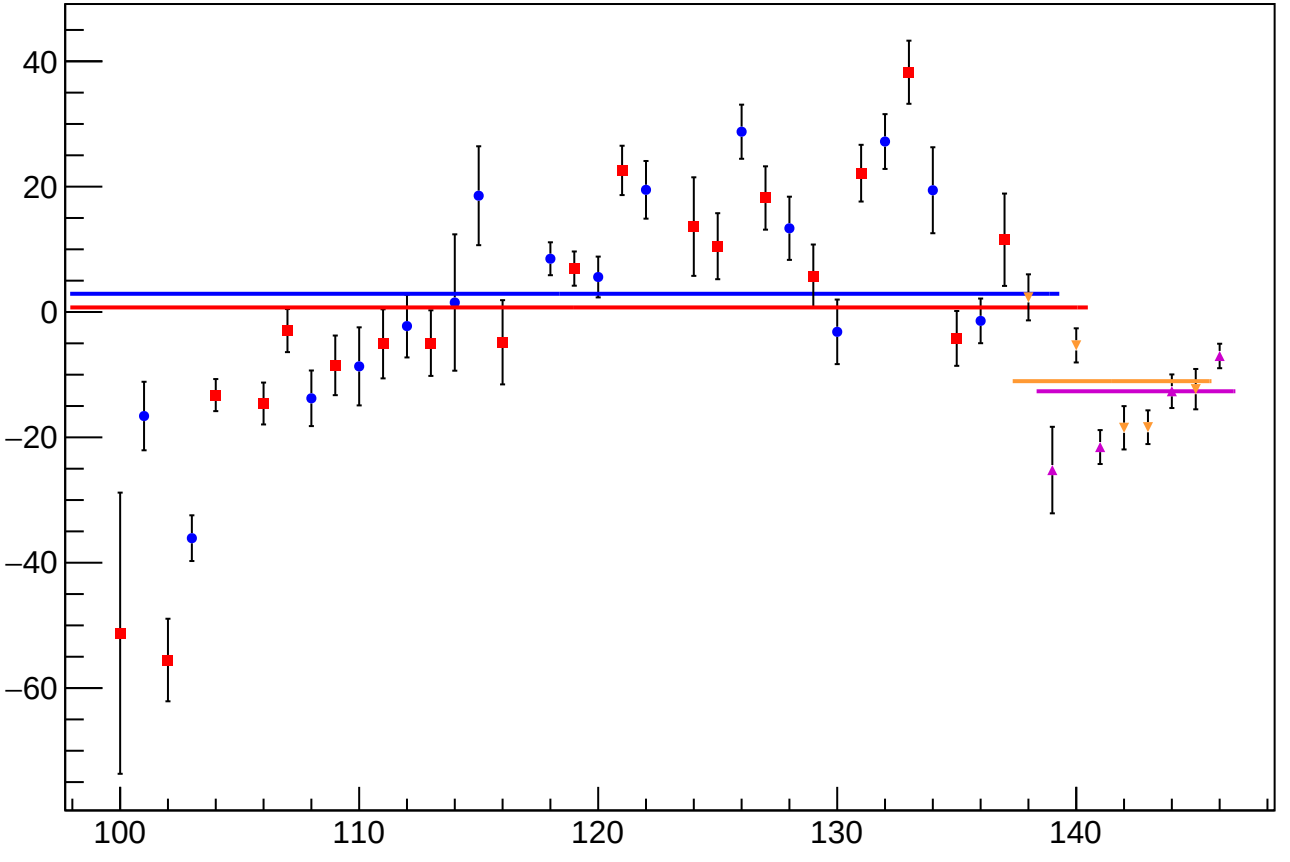
Left In: 200.711+/-1.830 χ^2/NDF:49.8/3

+ sign 180.567+/-0.919 χ^2/NDF: 1918.4/20

All: 176.211+/-0.635 χ^2/NDF: 4742.6/43

- sign 172.236+/-0.878 χ^2/NDF: 2781.2/22

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -11.035+/-1.377 χ^2/NDF:29.9/4

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

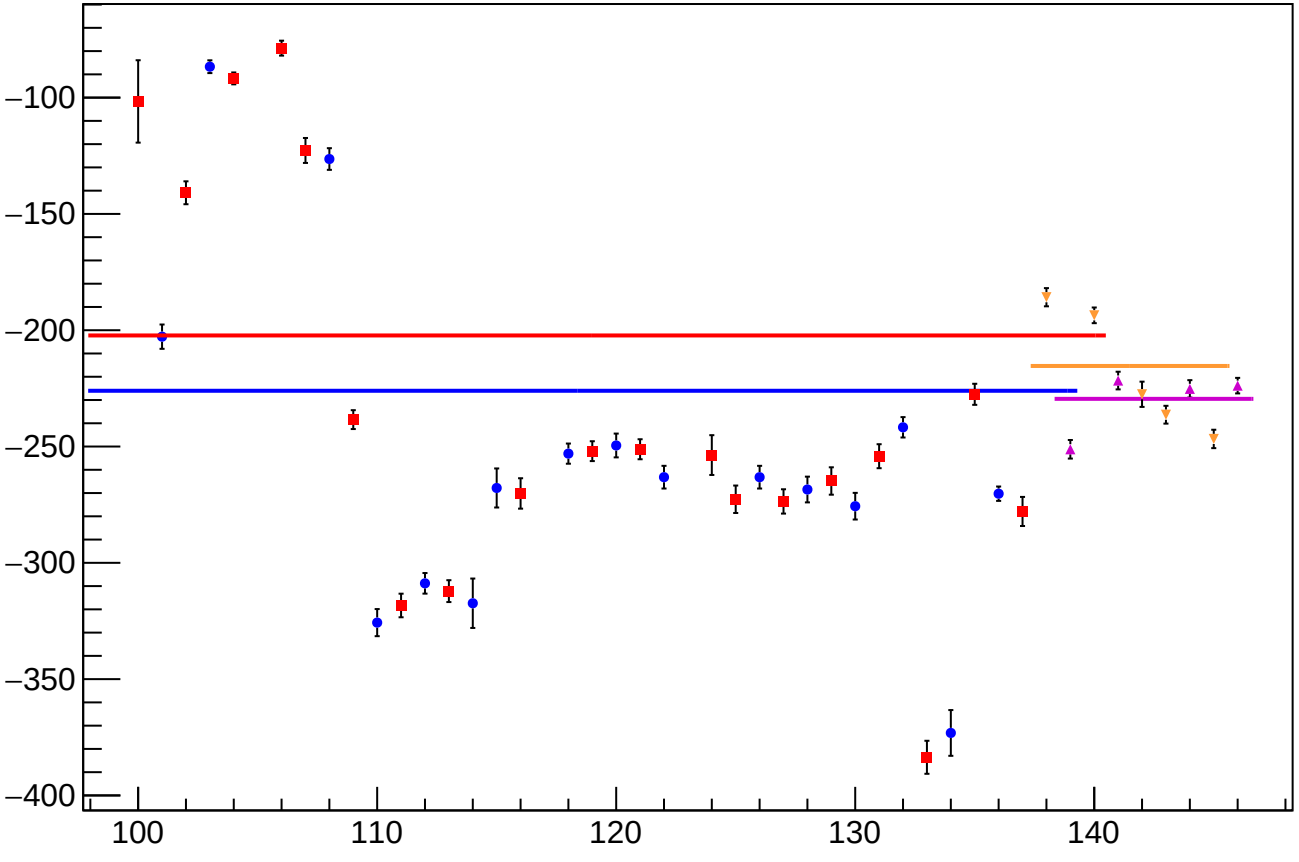
Left In: -12.647+/-1.337 χ^2/NDF:22.5/3

+ sign -2.552+/-0.862 χ^2/NDF: 339.8/20

All: -3.399+/-0.589 χ^2/NDF: 701.2/43

- sign -4.142+/-0.807 χ^2/NDF: 359.6/22

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -215.366+/-1.769 χ^2/NDF:196.7/4

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

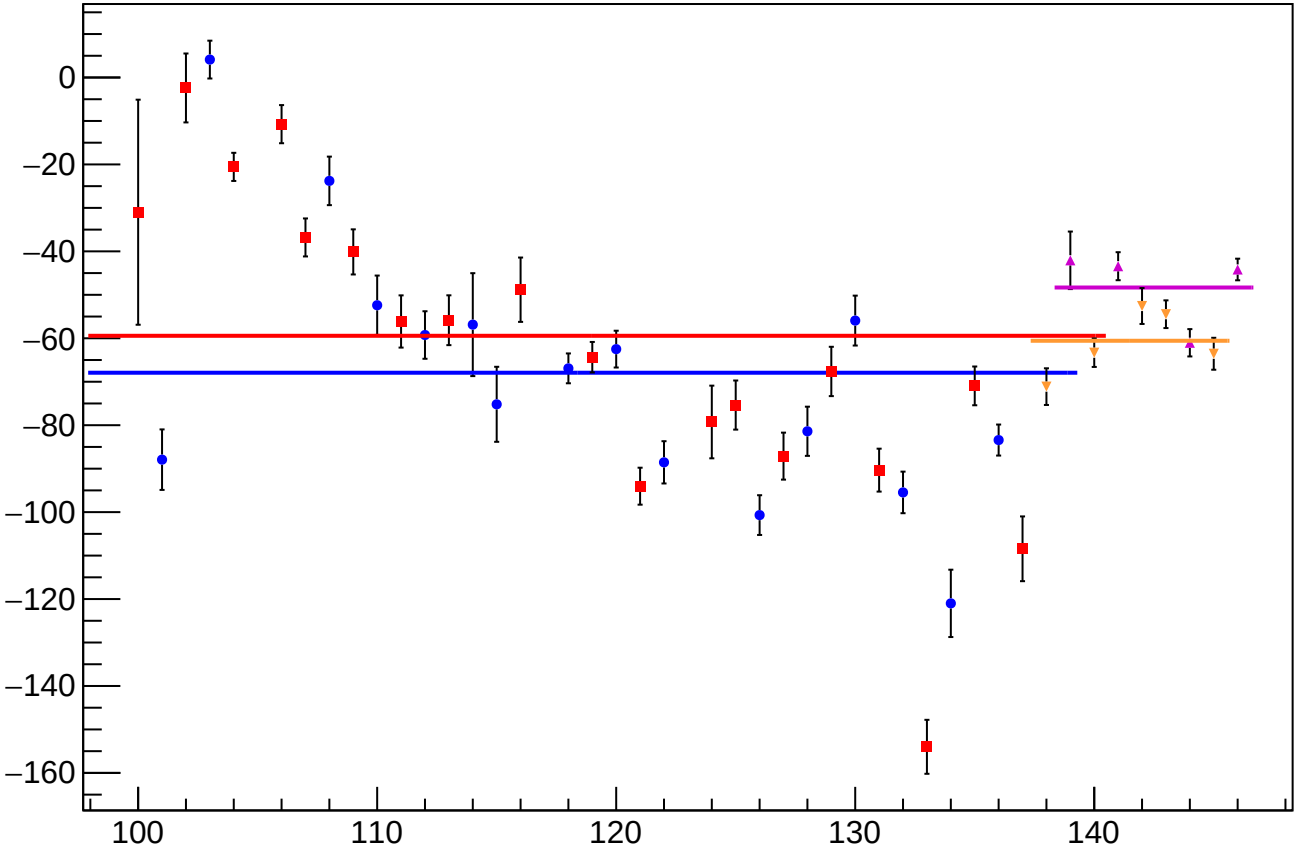
Left In: -229.500+/-1.848 χ^2/NDF:38.0/3

+ sign -222.764+/-0.979 χ^2/NDF: 4760.9/20

All: -215.714+/-0.677 χ^2/NDF: 11750.7/43

- sign -209.255+/-0.937 χ^2/NDF: 6890.4/22

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -60.573+/-1.621 χ^2/NDF:15.1/4

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

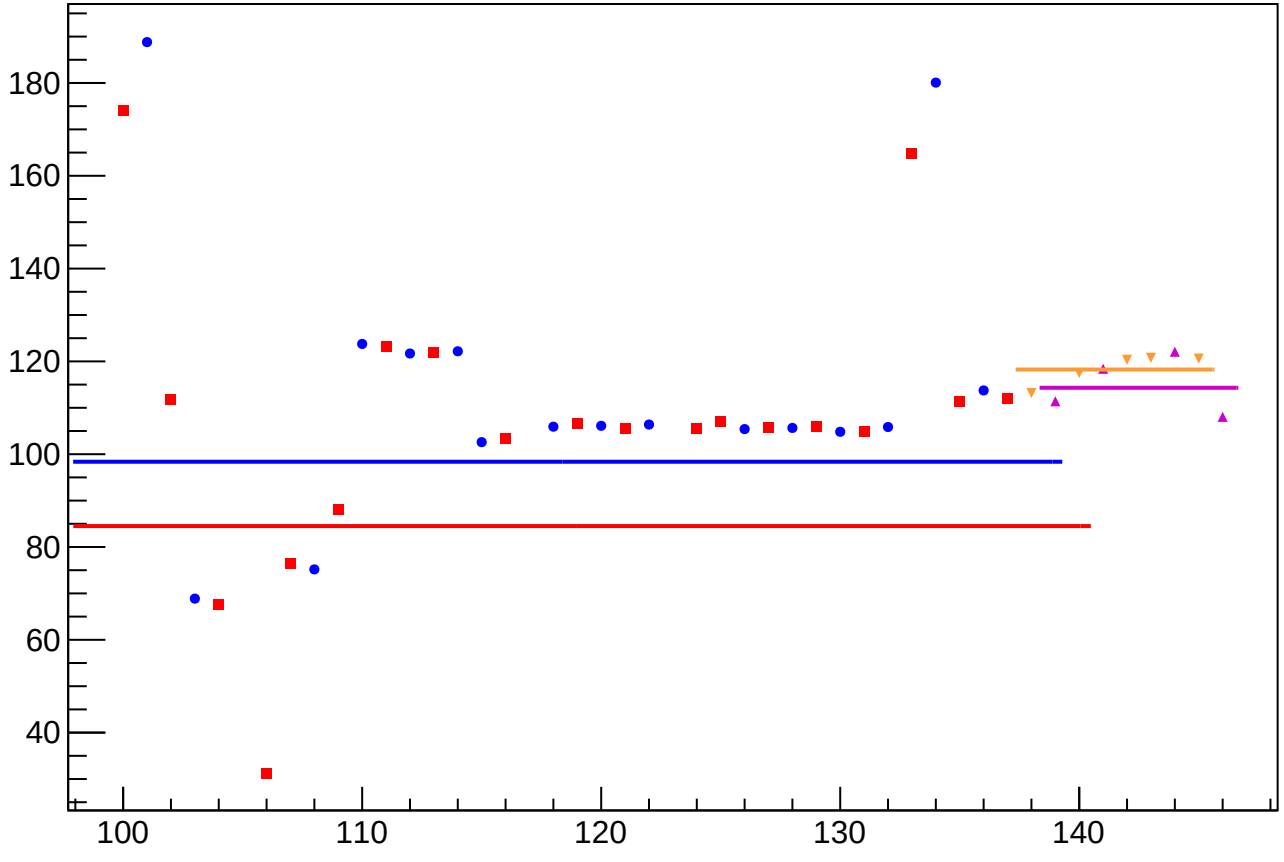
Left In: -48.321+/-1.618 χ^2/NDF:22.3/3

+ sign -65.107+/-1.004 χ^2/NDF: 561.8/20

All: -60.096+/-0.692 χ^2/NDF: 1457.2/43

- sign -55.554+/-0.956 χ^2/NDF: 847.9/22

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 118.246+/-0.074 χ^2/NDF:1619.7/4

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

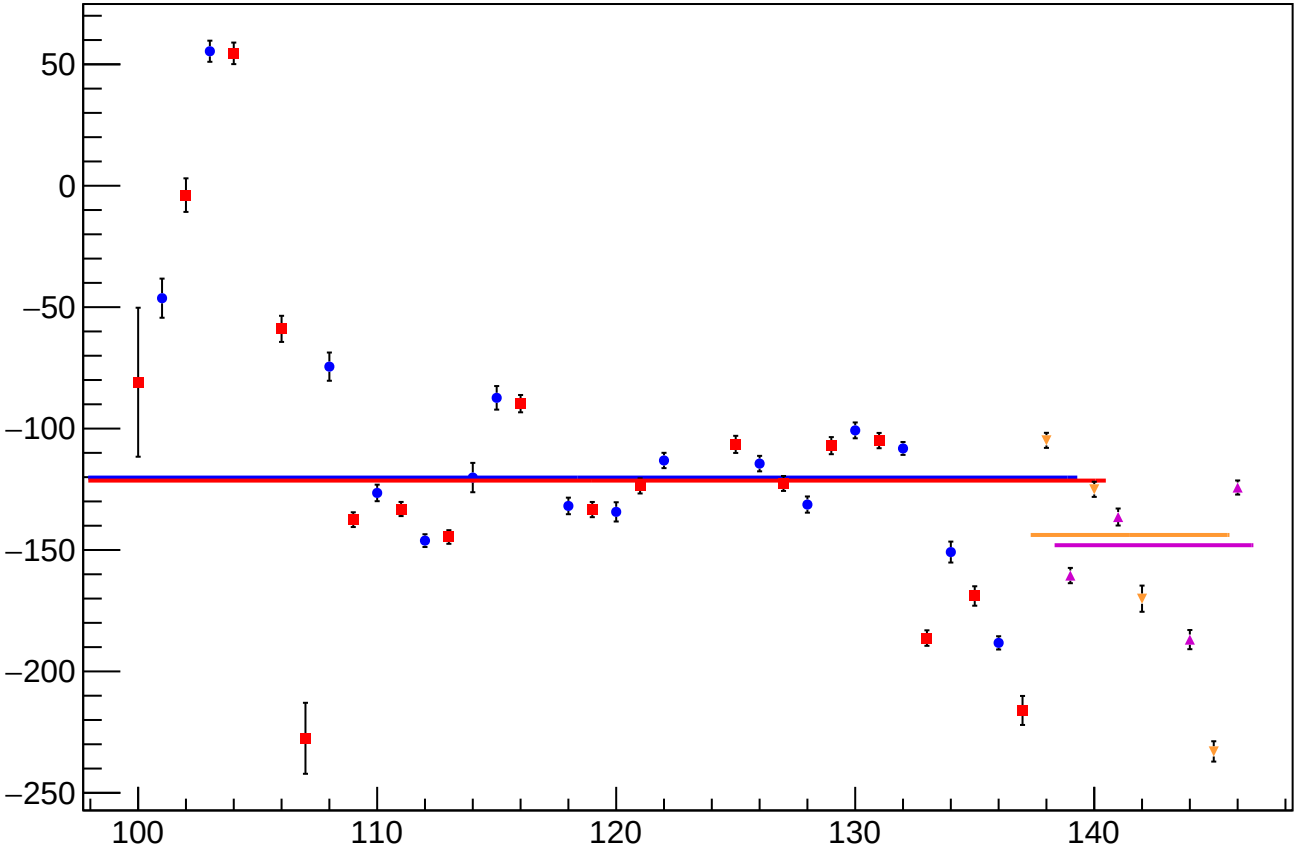
Left In: 114.317+/-0.076 χ^2/NDF:5159.8/3

+ sign 107.238+/-0.049 χ^2/NDF: 270408.4/20

All: 101.487+/-0.034 χ^2/NDF: 665264.3/43

- sign 96.156+/-0.047 χ^2/NDF: 368476.9/22

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: -143.807+/-1.830 χ^2/NDF:671.2/3

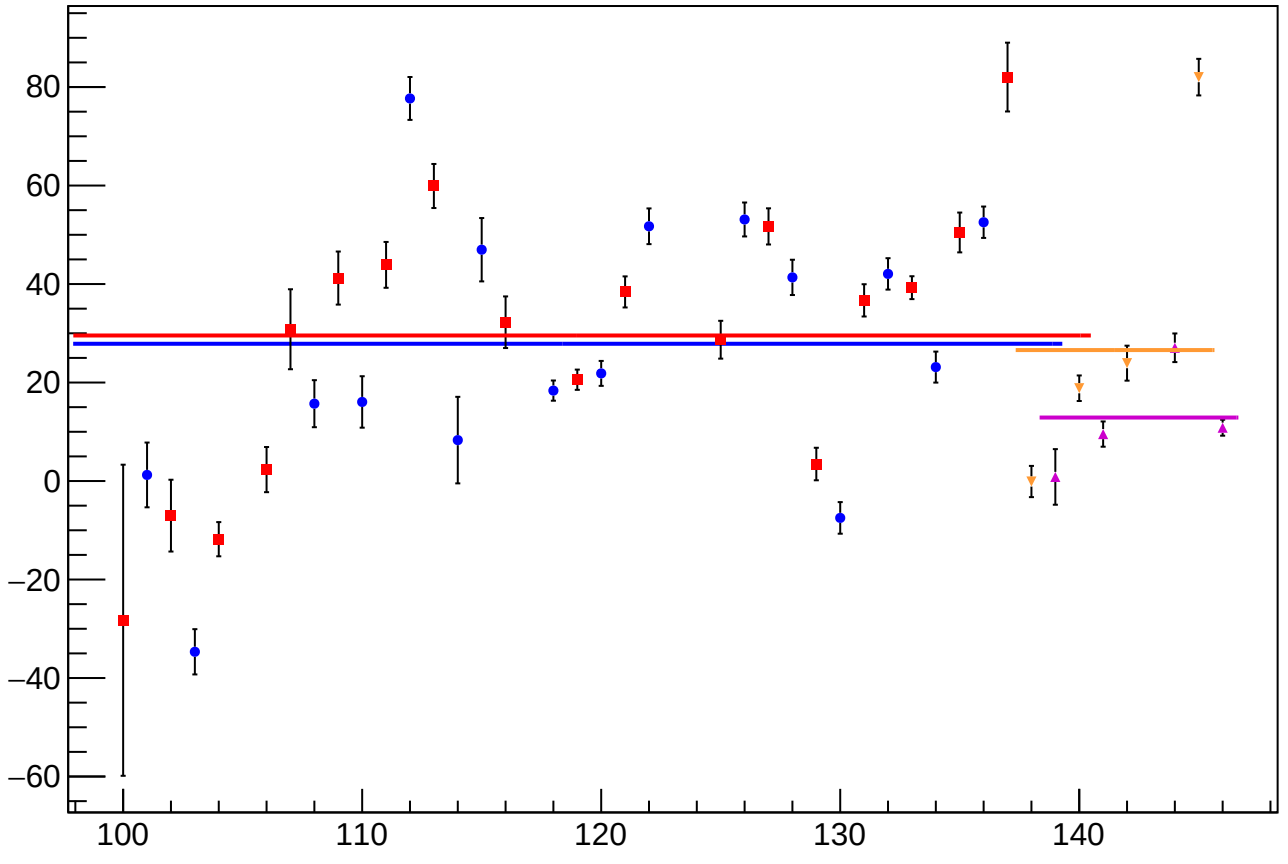
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -148.029+/-1.656 χ^2/NDF:190.2/3

+ sign -124.701+/-0.801 χ^2/NDF: 3497.2/19

All: -126.007+/-0.556 χ^2/NDF: 7020.7/41

- sign -127.227+/-0.774 χ^2/NDF: 3518.3/21



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 26.593+/-1.581 χ^2/NDF:303.0/3

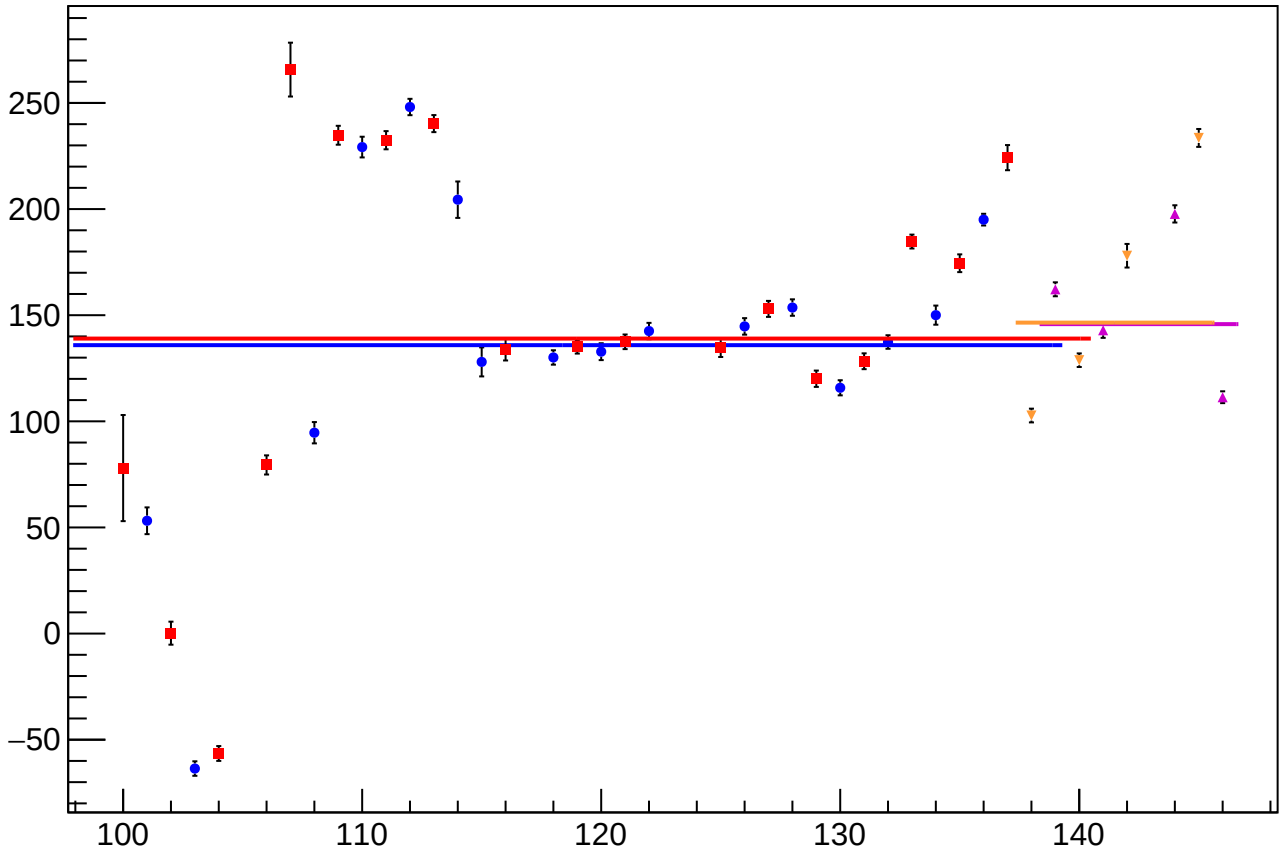
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.892+/-1.210 χ^2/NDF:31.6/3

\+ sign 27.565+/-0.774 χ^2/NDF: 1003.1/19

All: 25.487+/-0.526 χ^2/NDF: 1668.7/41

\- sign 23.706+/-0.717 χ^2/NDF: 652.2/21



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 146.505+/-1.885 χ^2/NDF:670.6/3

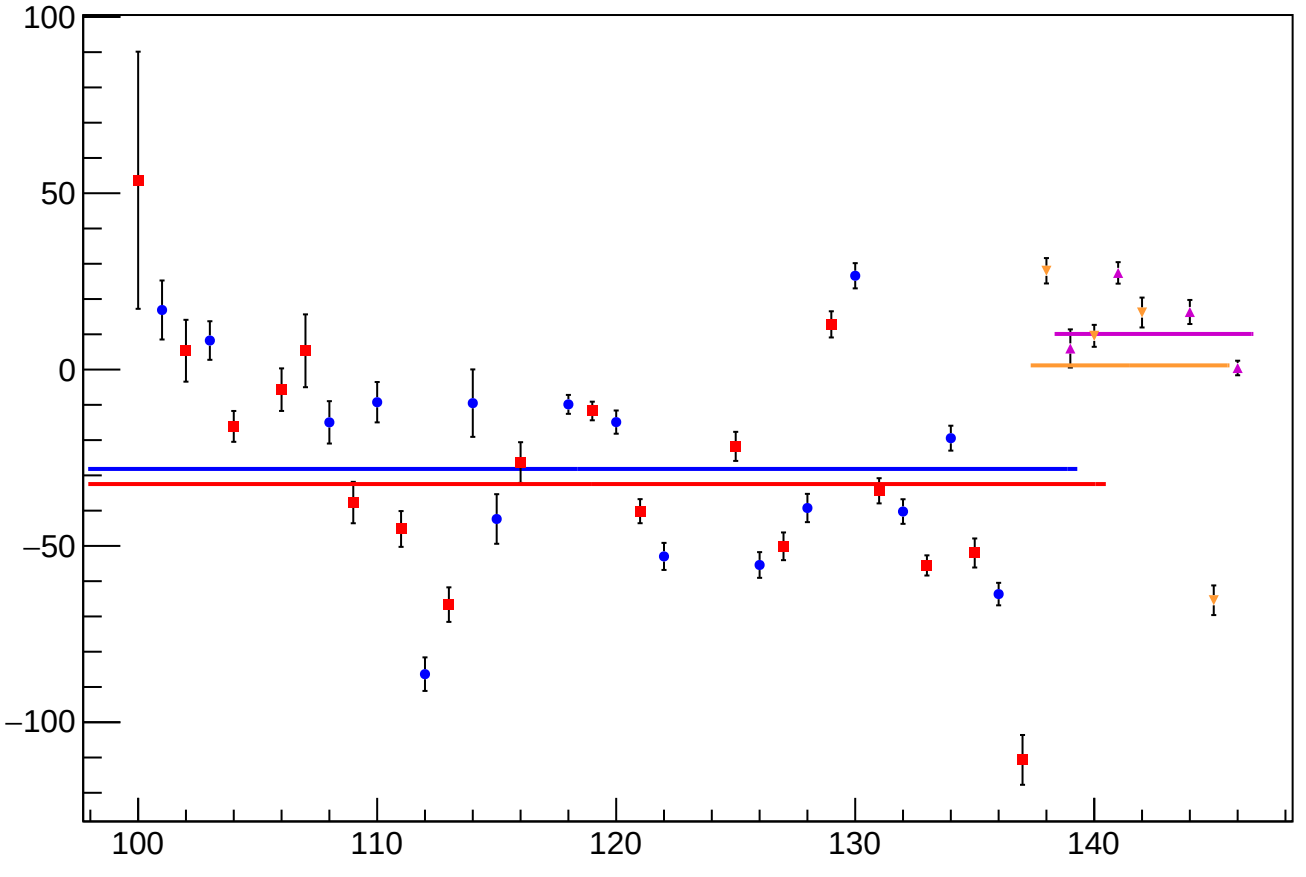
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 145.792+/-1.668 χ^2/NDF:341.7/3

\+ sign 138.211+/-0.882 χ^2/NDF: 6159.0/19

All: 139.534+/-0.615 χ^2/NDF: 12673.8/41

\- sign 140.781+/-0.857 χ^2/NDF: 6510.4/21



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.188+/-1.848 χ^2/NDF:326.4/3

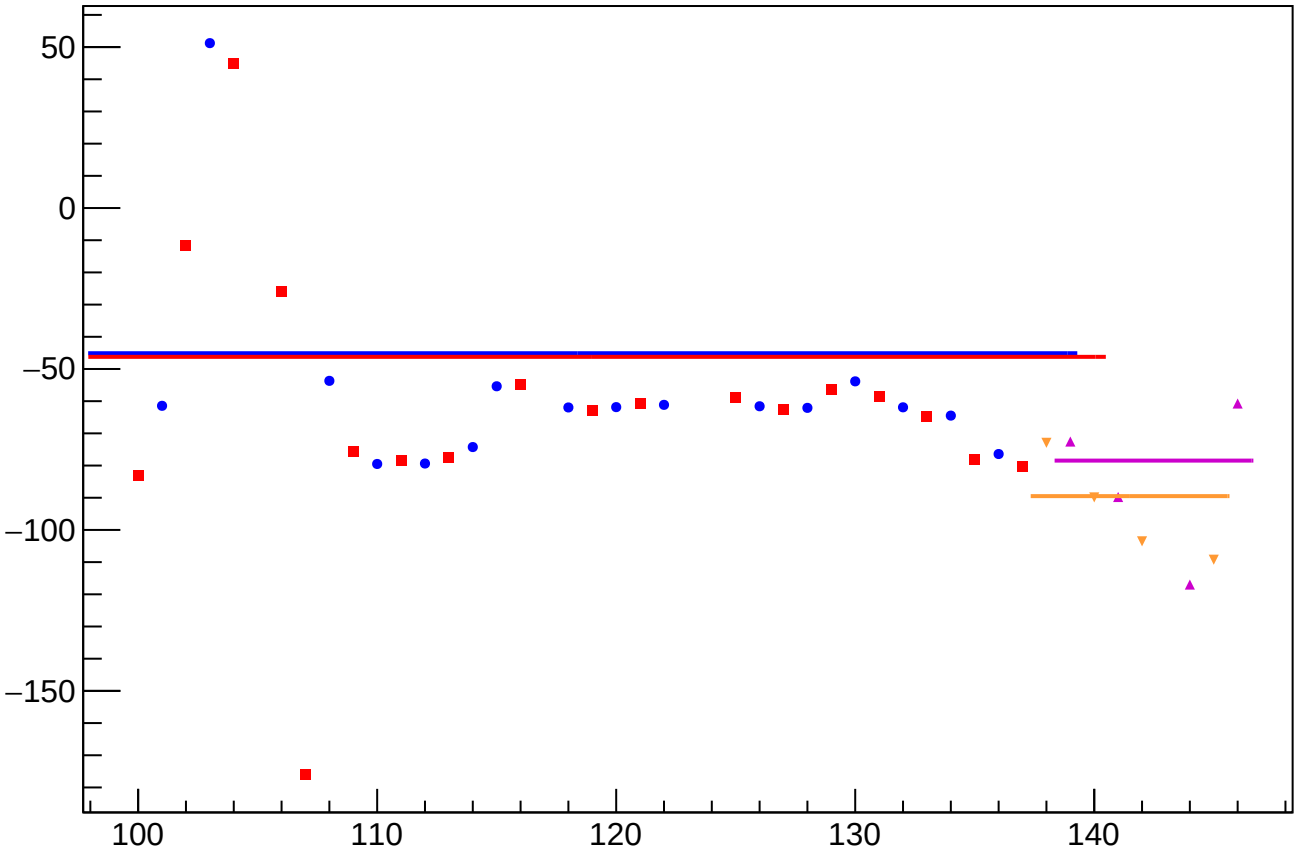
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 10.100+/-1.472 χ^2/NDF:58.0/3

+ sign -21.297+/-0.895 χ^2/NDF: 1310.9/19

All: -19.823+/-0.613 χ^2/NDF: 2517.1/41

- sign -18.516+/-0.842 χ^2/NDF: 1201.0/21



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -89.498+/-0.078 χ^2/NDF:34496.8/3

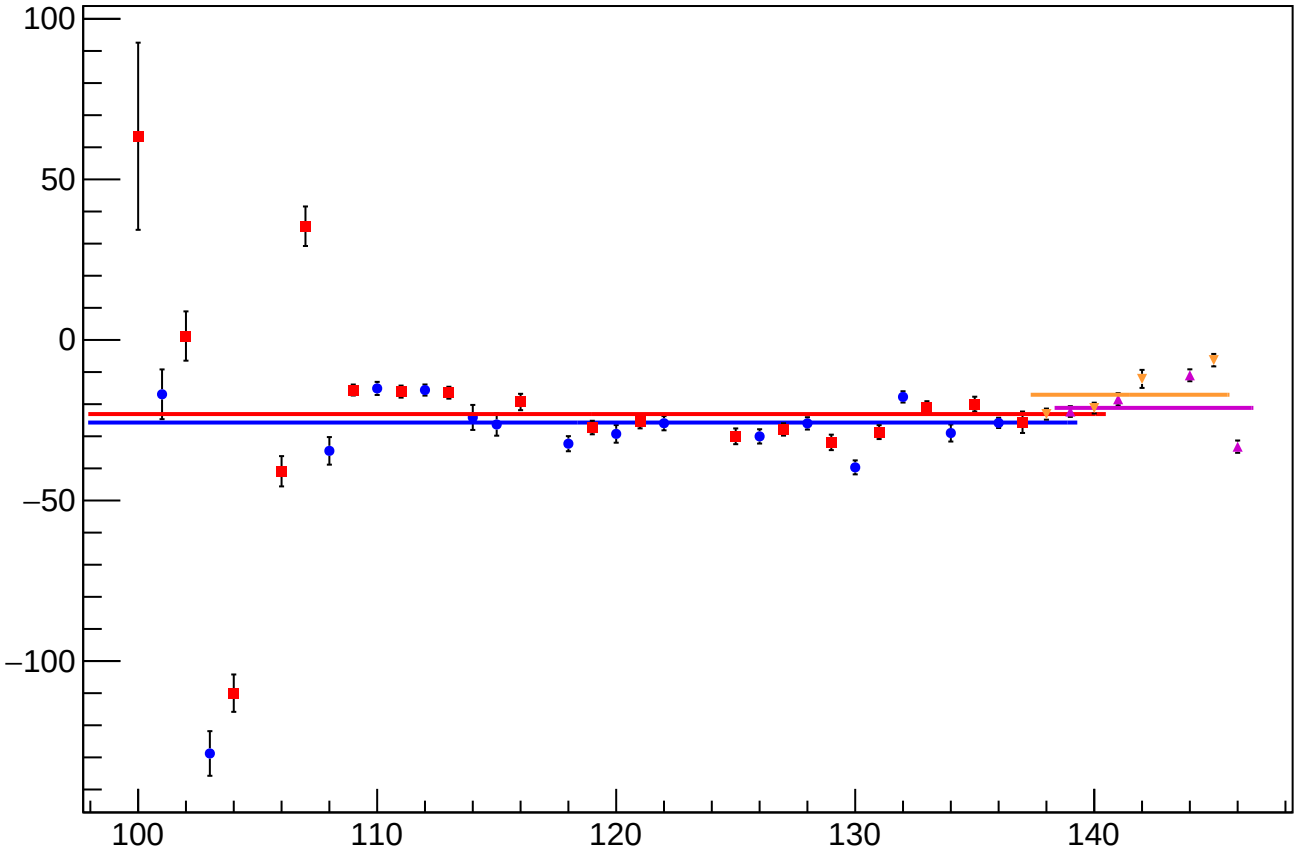
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -78.461+/-0.067 χ^2/NDF:74935.2/3

+ sign -61.696+/-0.048 χ^2/NDF: 813347.4/19

All: -61.408+/-0.033 χ^2/NDF: 1504673.8/41

- sign -61.141+/-0.046 χ^2/NDF: 691255.9/21



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -17.064+/-0.962 χ^2/NDF:52.1/3

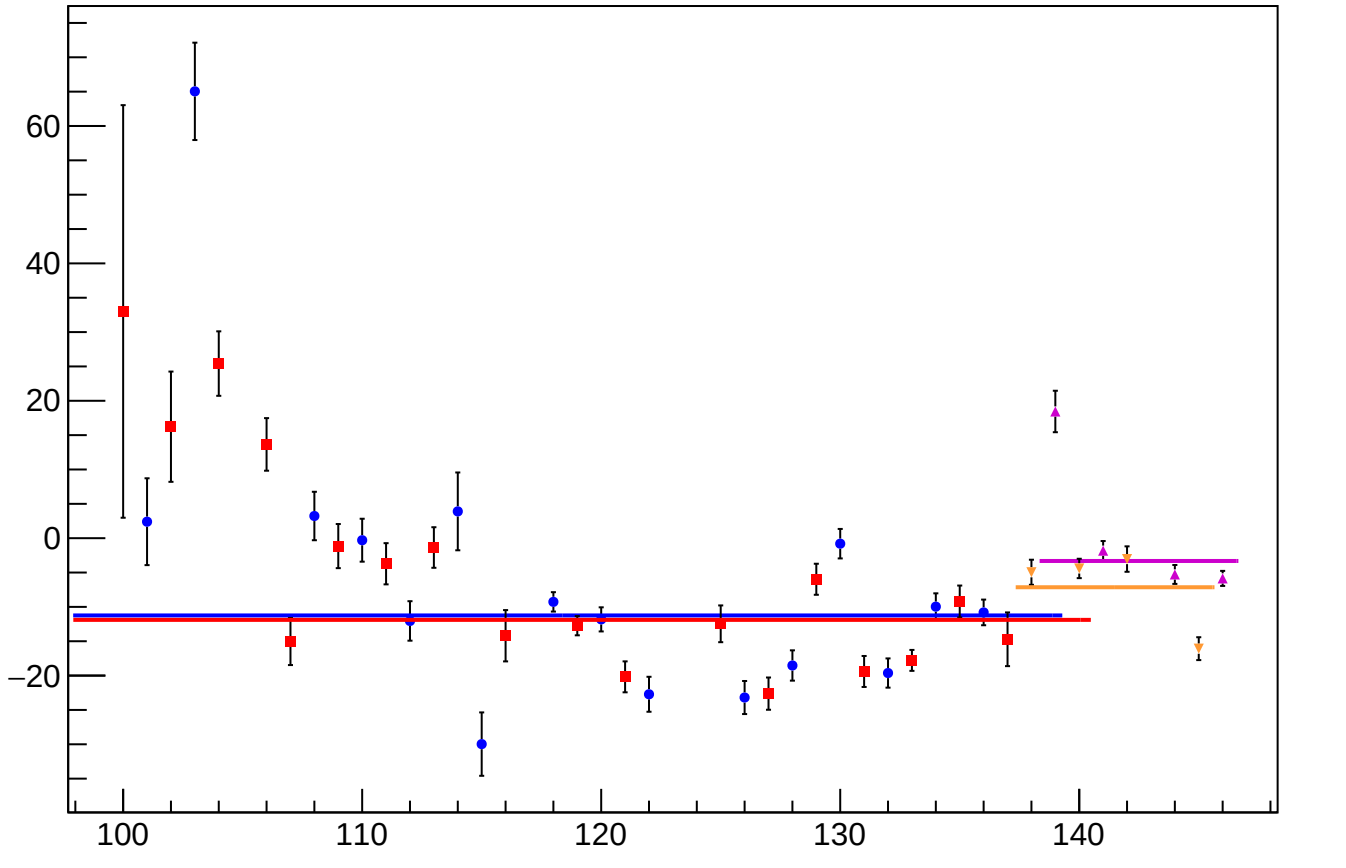
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

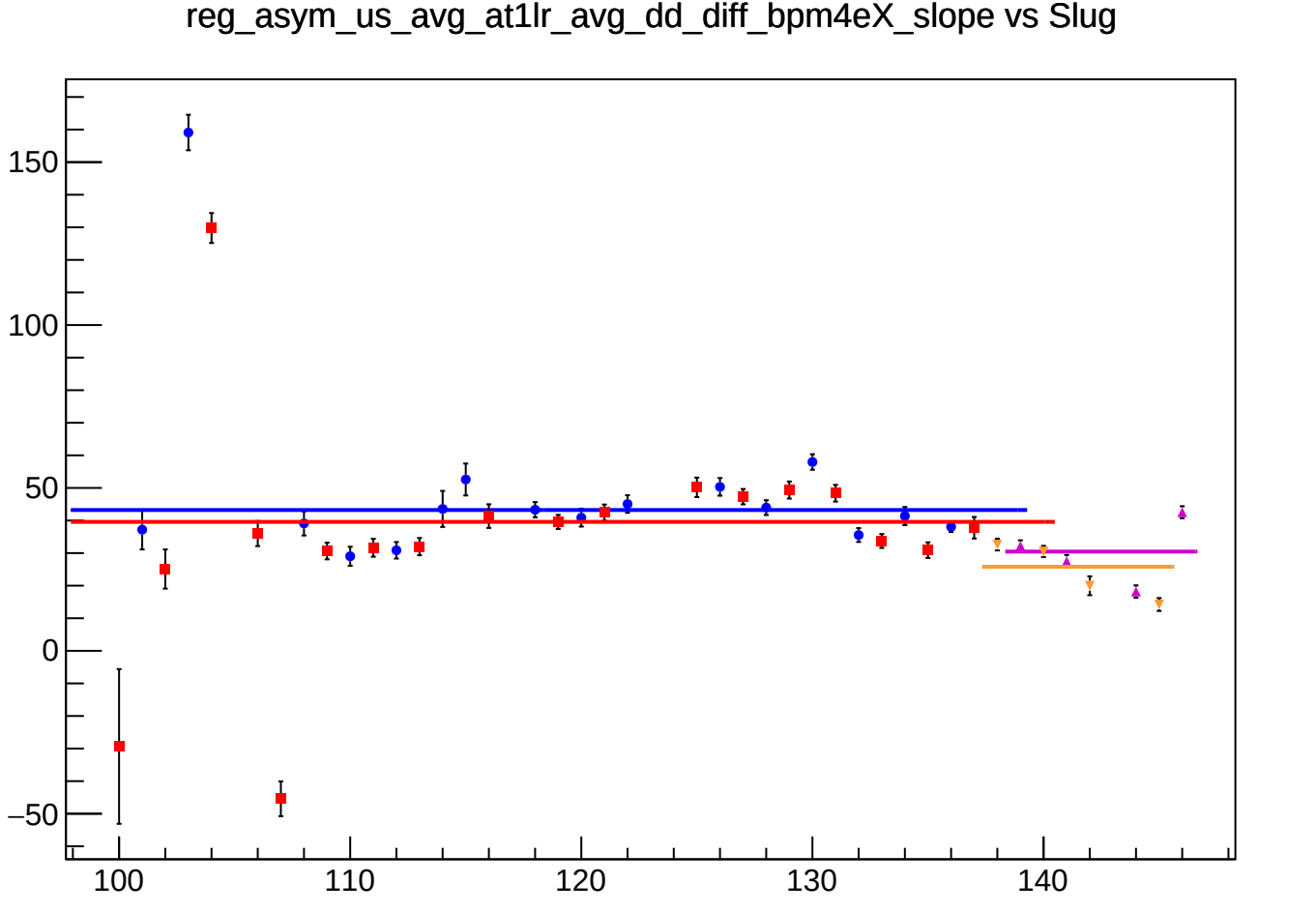
Left In: -21.155+/-0.915 χ^2/NDF:71.8/3

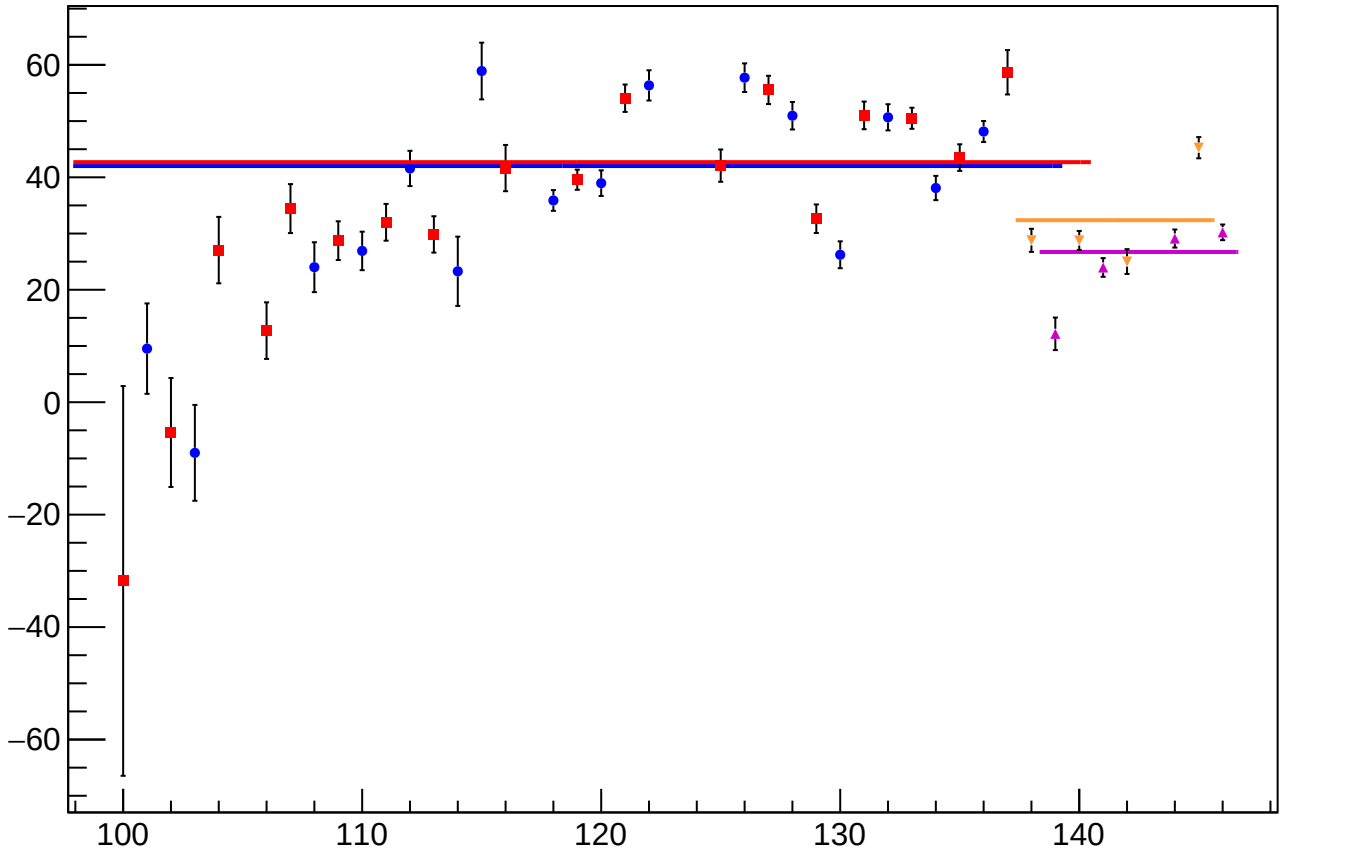
+ sign -23.355+/-0.503 χ^2/NDF: 473.9/19

All: -22.930+/-0.351 χ^2/NDF: 987.4/41

- sign -22.525+/-0.491 χ^2/NDF: 512.1/21


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -7.141+/-0.829 χ²/NDF:39.0/3
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -3.317+/-0.711 χ²/NDF:60.5/3
+ sign -9.834+/-0.486 χ²/NDF: 326.1/19
All: -9.015+/-0.335 χ²/NDF: 700.6/41
- sign -8.276+/-0.462 χ²/NDF: 369.1/21


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
Right In: 43.222+/-0.678 χ²/NDF: 576.0/15
Left Out: 25.810+/-0.993 χ²/NDF:59.8/3
Right Out: 39.587+/-0.685 χ²/NDF: 754.0/17
Left In: 30.461+/-0.929 χ²/NDF:87.5/3
+ sign 37.682+/-0.560 χ²/NDF: 845.6/19
All: 37.018+/-0.393 χ²/NDF: 1752.5/41
- sign 36.374+/-0.551 χ²/NDF: 904.1/21



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.373+/-0.964 χ^2/NDF:65.5/3

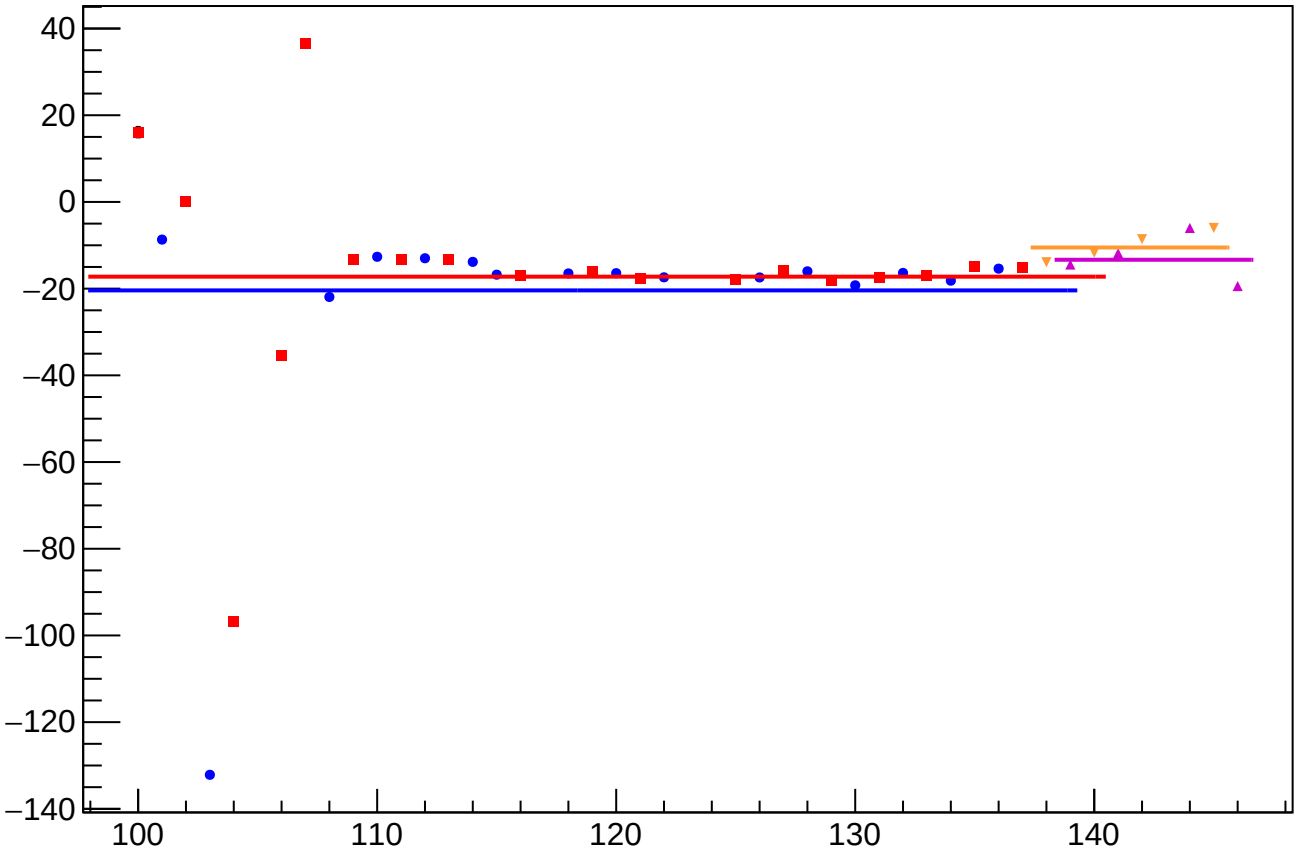
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 26.721+/-0.850 χ^2/NDF:36.6/3

+ sign 38.782+/-0.558 χ^2/NDF: 404.7/19

All: 37.494+/-0.387 χ^2/NDF: 893.6/41

- sign 36.297+/-0.538 χ^2/NDF: 478.7/21



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -10.509+/-0.041 χ^2/NDF:6143.8/3

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

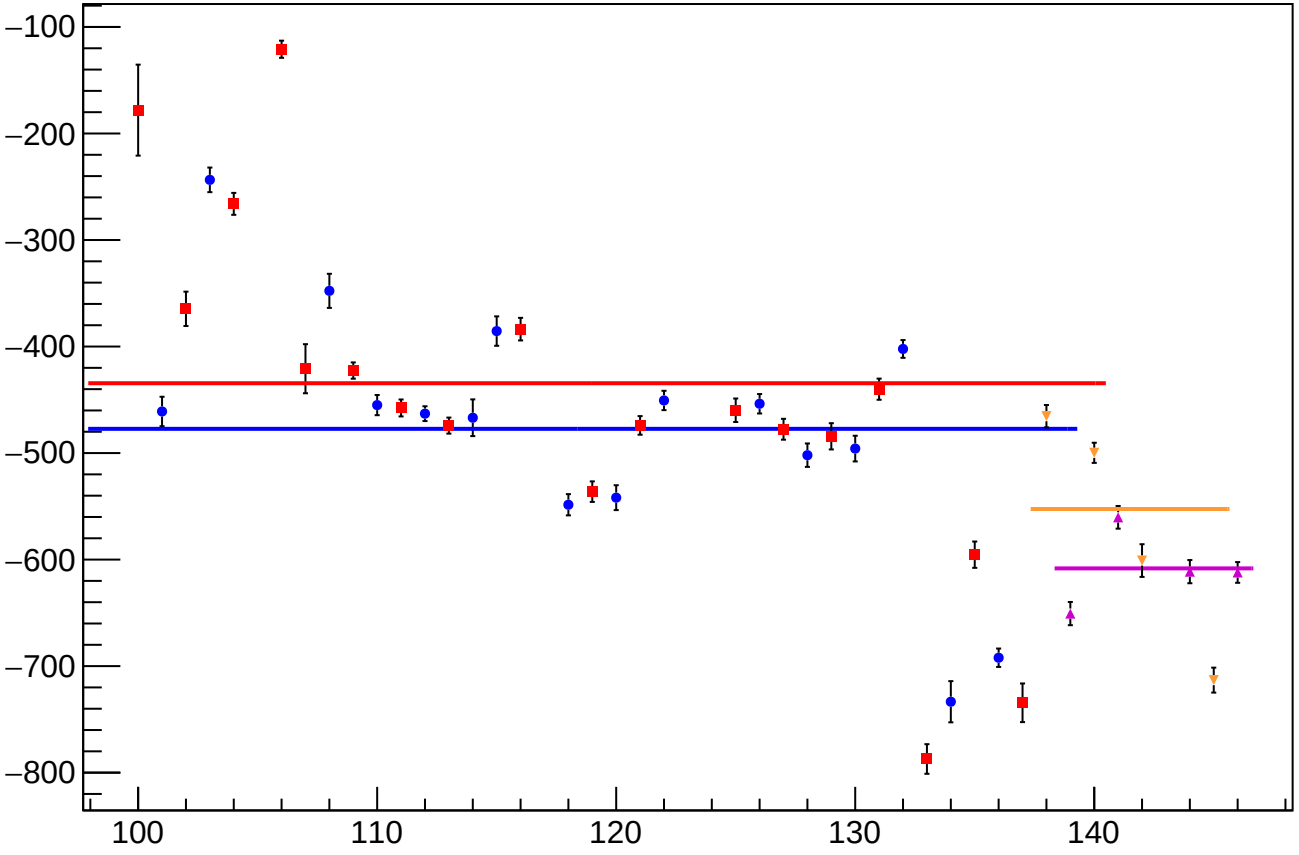
Left In: -13.338+/-0.038 χ^2/NDF:13896.1/3

+ sign -15.311+/-0.029 χ^2/NDF: 280460.0/19

All: -15.139+/-0.020 χ^2/NDF: 503616.2/41

- sign -14.974+/-0.029 χ^2/NDF: 223088.3/21

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: -552.509+/-5.611 χ^2/NDF:297.9/3

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

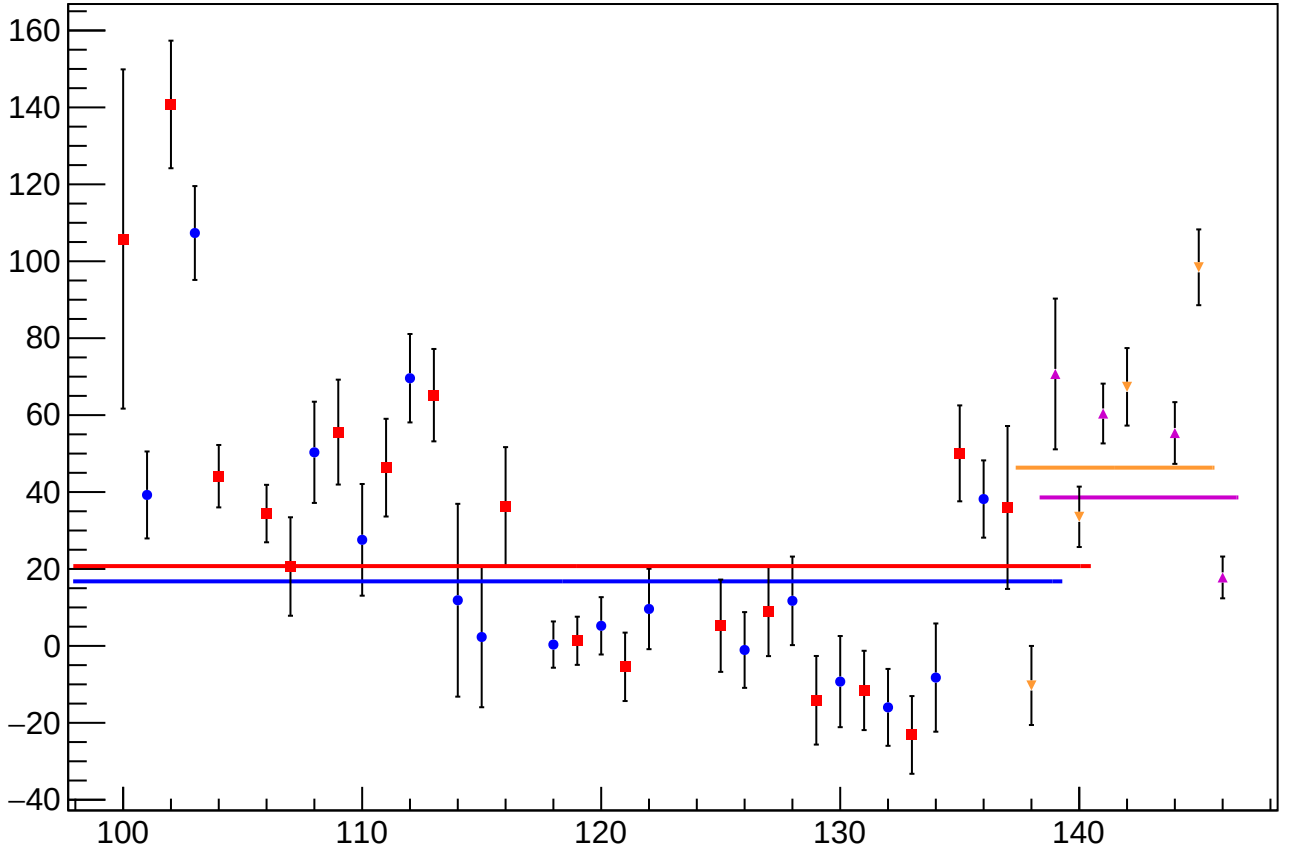
Left In: -608.257+/-5.254 χ^2/NDF:35.7/3

\+ sign -490.837+/-2.384 χ^2/NDF: 1956.2/19

All: -477.473+/-1.629 χ^2/NDF: 6109.8/41

\- sign -465.769+/-2.231 χ^2/NDF: 4094.7/21

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 46.342+/-4.671 χ^2/NDF:65.3/3

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

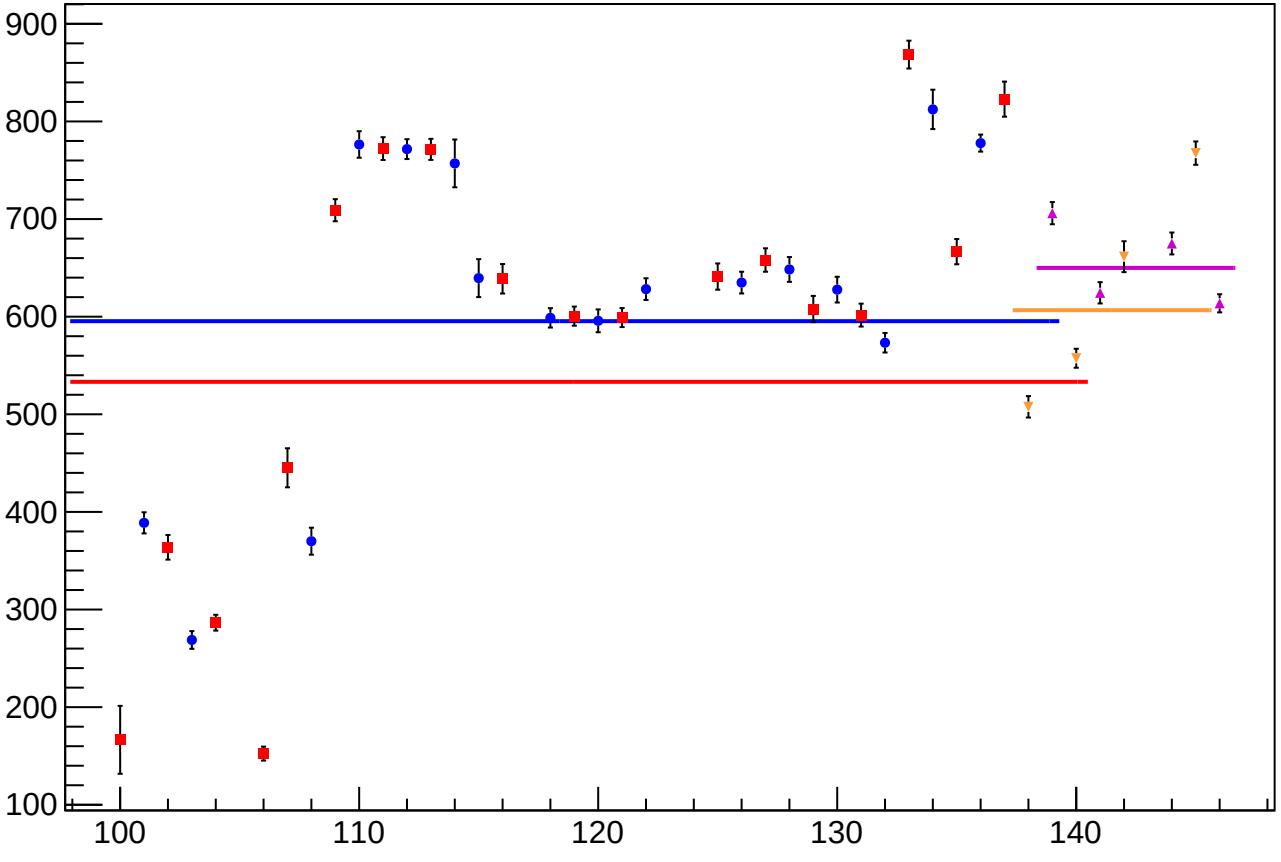
Left In: 38.598+/-3.819 χ^2/NDF:29.6/3

+ sign 23.996+/-2.308 χ^2/NDF: 220.5/19

All: 25.217+/-1.561 χ^2/NDF: 423.7/41

- sign 26.248+/-2.120 χ^2/NDF: 202.6/21

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 606.648+/-5.786 χ^2/NDF:299.9/3

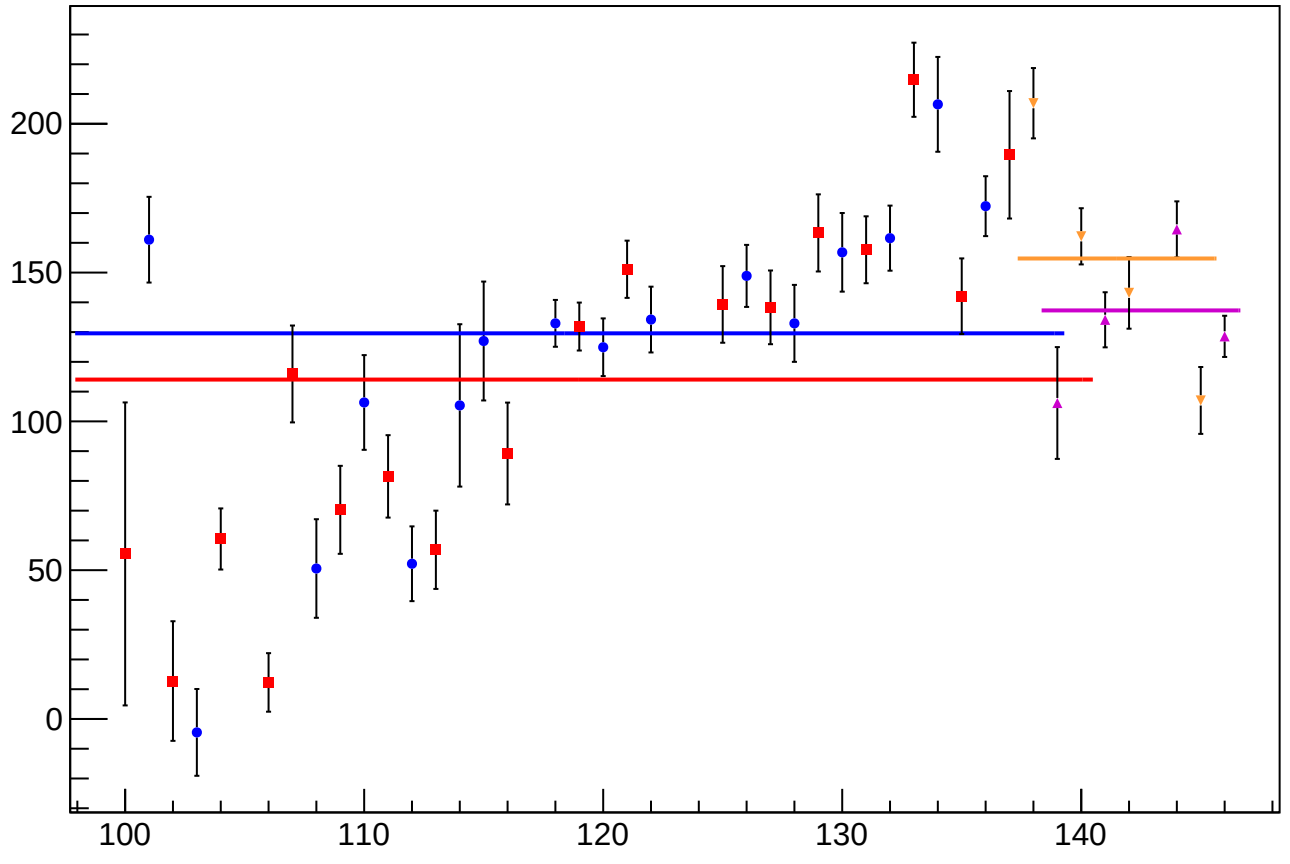
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 649.978+/-5.298 χ^2/NDF:50.0/3

+ sign 597.700+/-2.614 χ^2/NDF: 3362.7/19

All: 576.466+/-1.783 χ^2/NDF: 10421.3/41

- sign 557.991+/-2.438 χ^2/NDF: 6935.2/21



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 154.732+/-5.489 χ^2/NDF:39.1/3

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

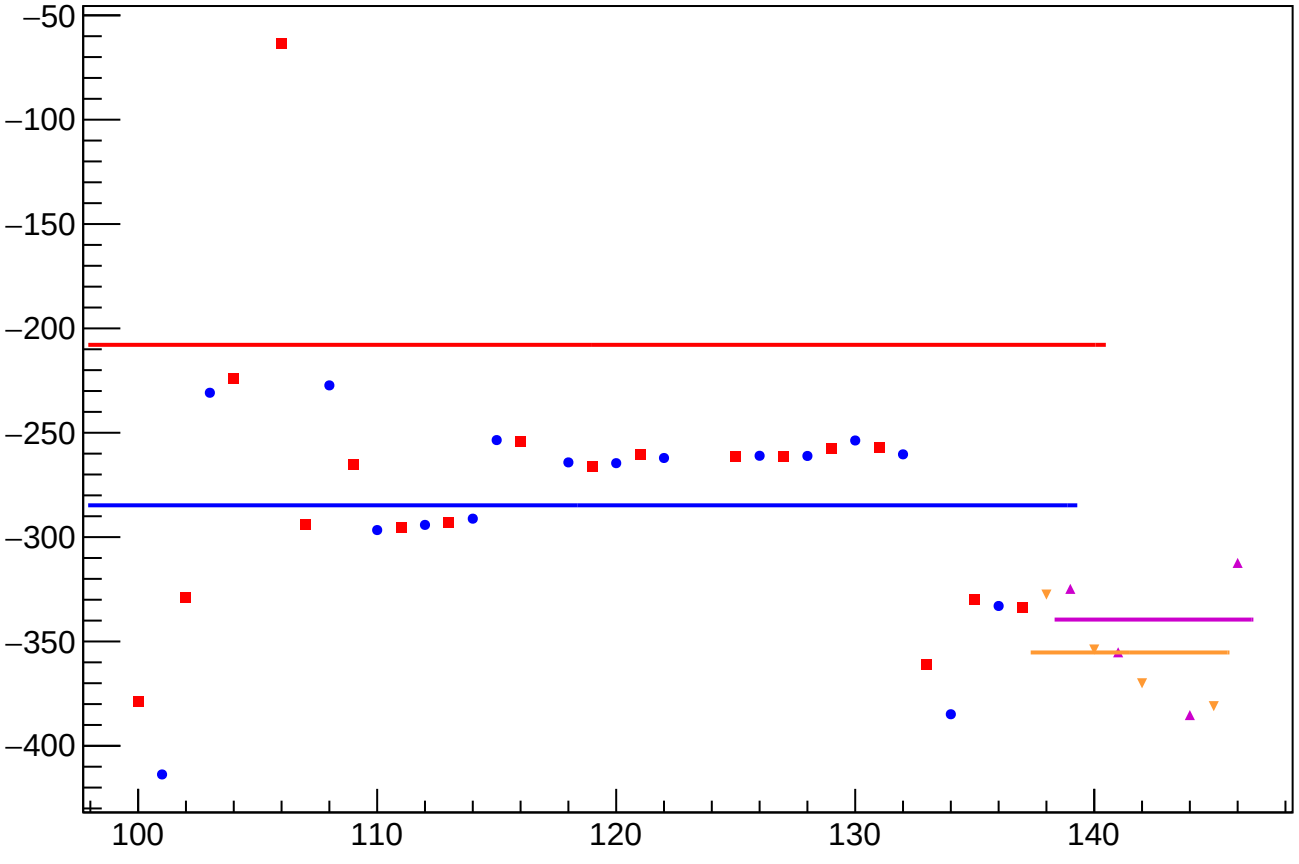
Left In: 137.283+/-4.630 χ^2/NDF:12.8/3

+ sign 135.610+/-2.686 χ^2/NDF: 266.3/19

All: 127.705+/-1.832 χ^2/NDF: 649.0/41

- sign 120.841+/-2.503 χ^2/NDF: 366.5/21

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -355.267+/-0.241 χ^2/NDF:7405.9/3

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

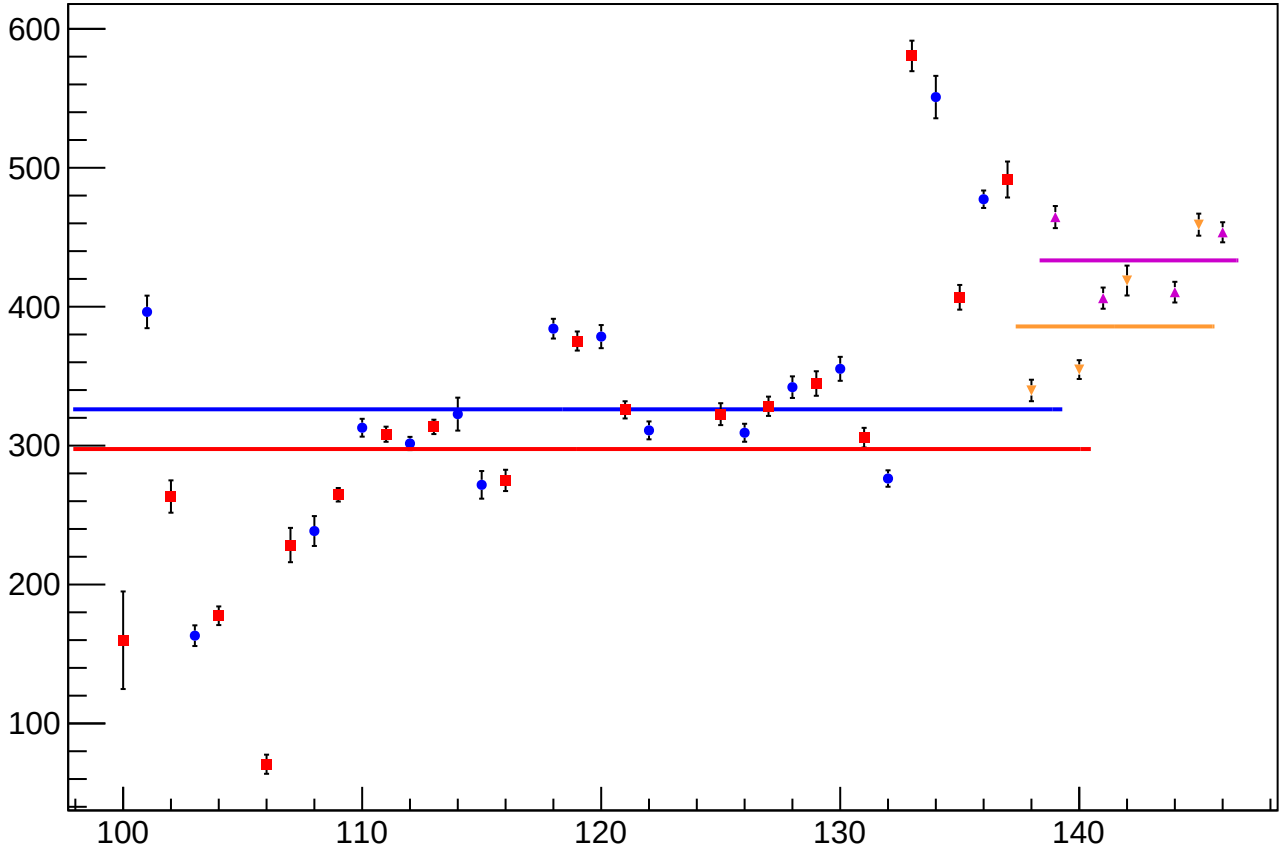
Left In: -339.508+/-0.217 χ^2/NDF:15434.1/3

+ sign -309.586+/-0.143 χ^2/NDF: 167285.4/19

All: -275.307+/-0.093 χ^2/NDF: 1069879.0/41

- sign -250.037+/-0.123 χ^2/NDF: 802661.8/21

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: 385.785+/-3.980 χ^2/NDF:151.3/3

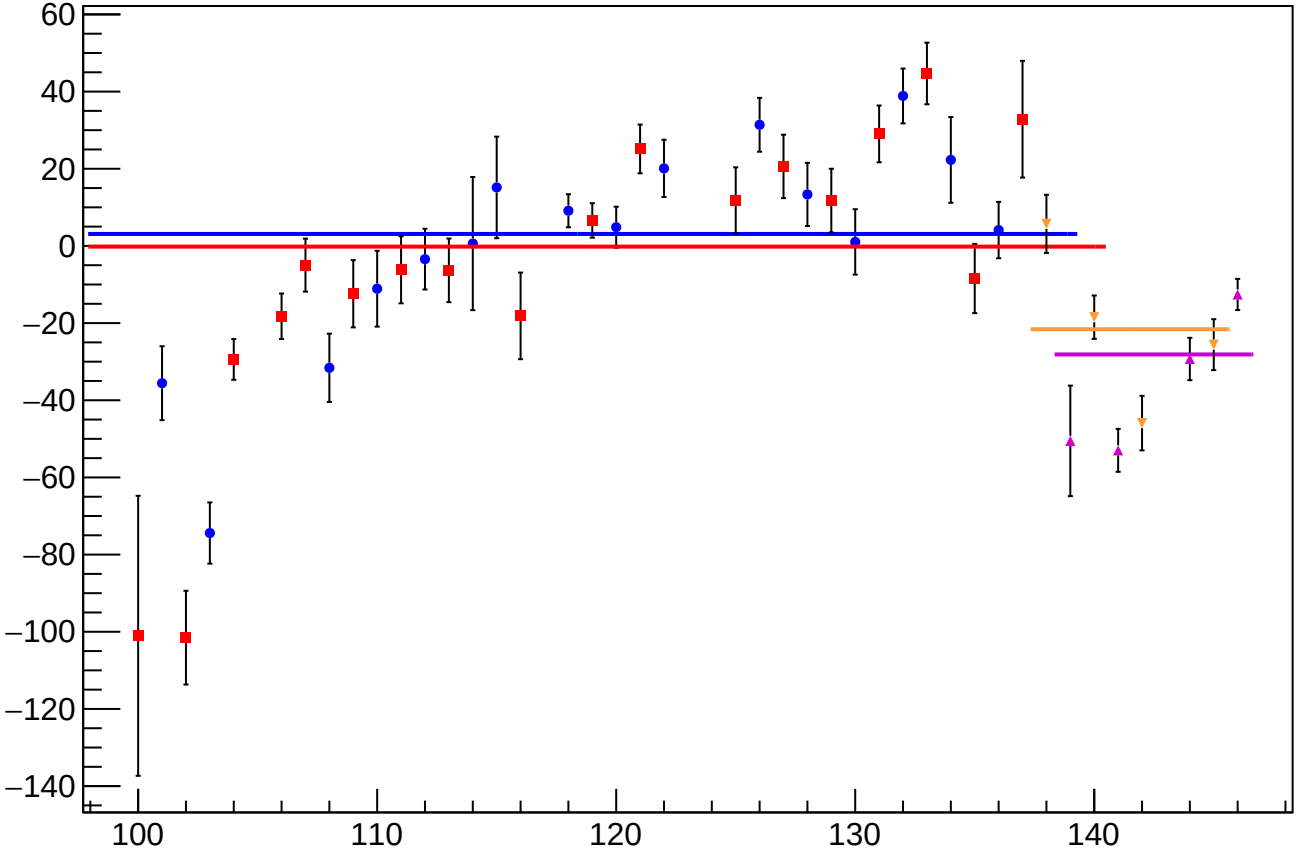
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 433.333+/-3.774 χ^2/NDF:45.3/3

\+ sign 336.793+/-1.683 χ^2/NDF: 1978.7/19

All: 328.497+/-1.150 χ^2/NDF: 5913.9/41

\- sign 321.218+/-1.576 χ^2/NDF: 3889.5/21



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -21.589+/-3.292 χ^2/NDF:25.7/3

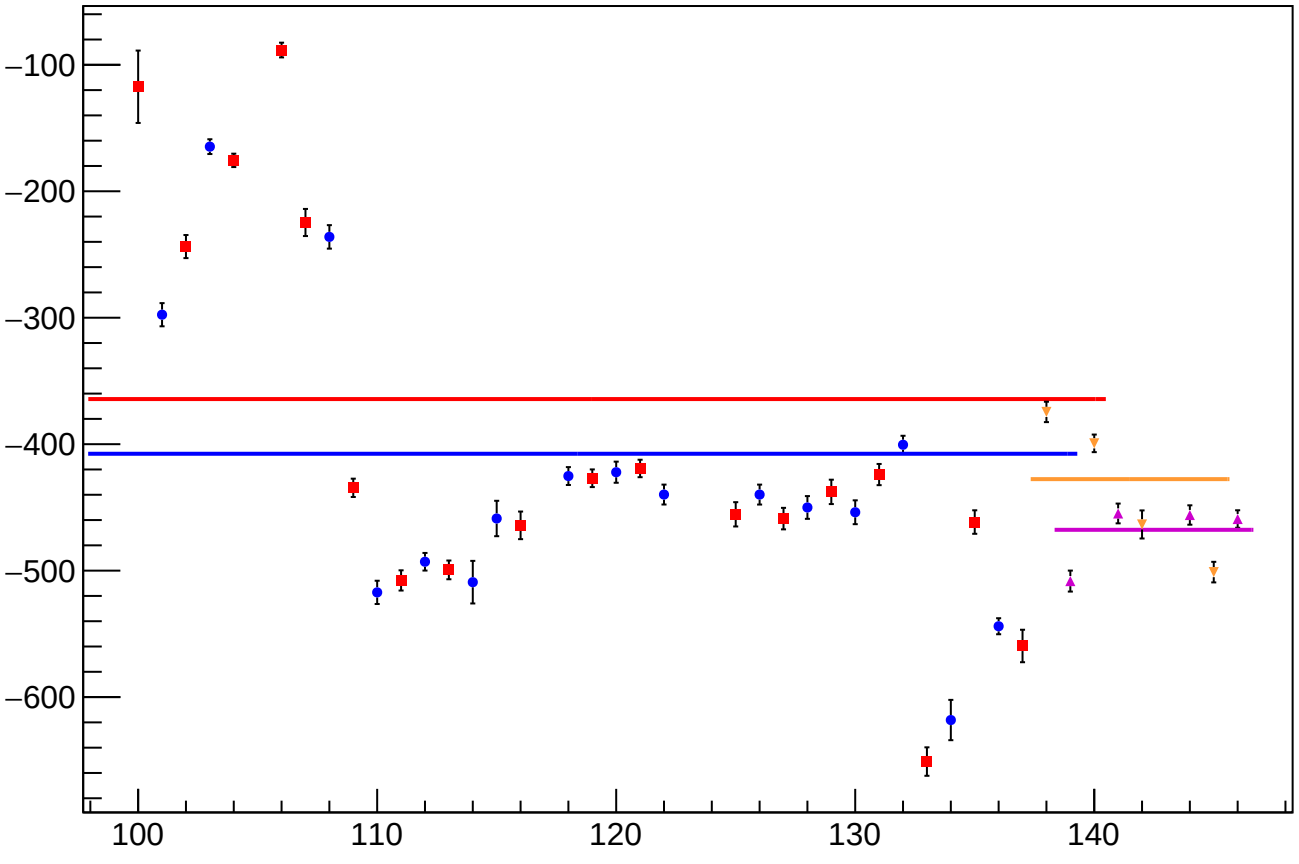
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -28.124+/-2.758 χ^2/NDF:37.2/3

\+ sign -3.029+/-1.641 χ^2/NDF: 252.5/19

All: -5.989+/-1.108 χ^2/NDF: 573.1/41

\- sign -8.471+/-1.502 χ^2/NDF: 314.6/21



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -427.638+/-4.107 χ^2/NDF:152.1/3

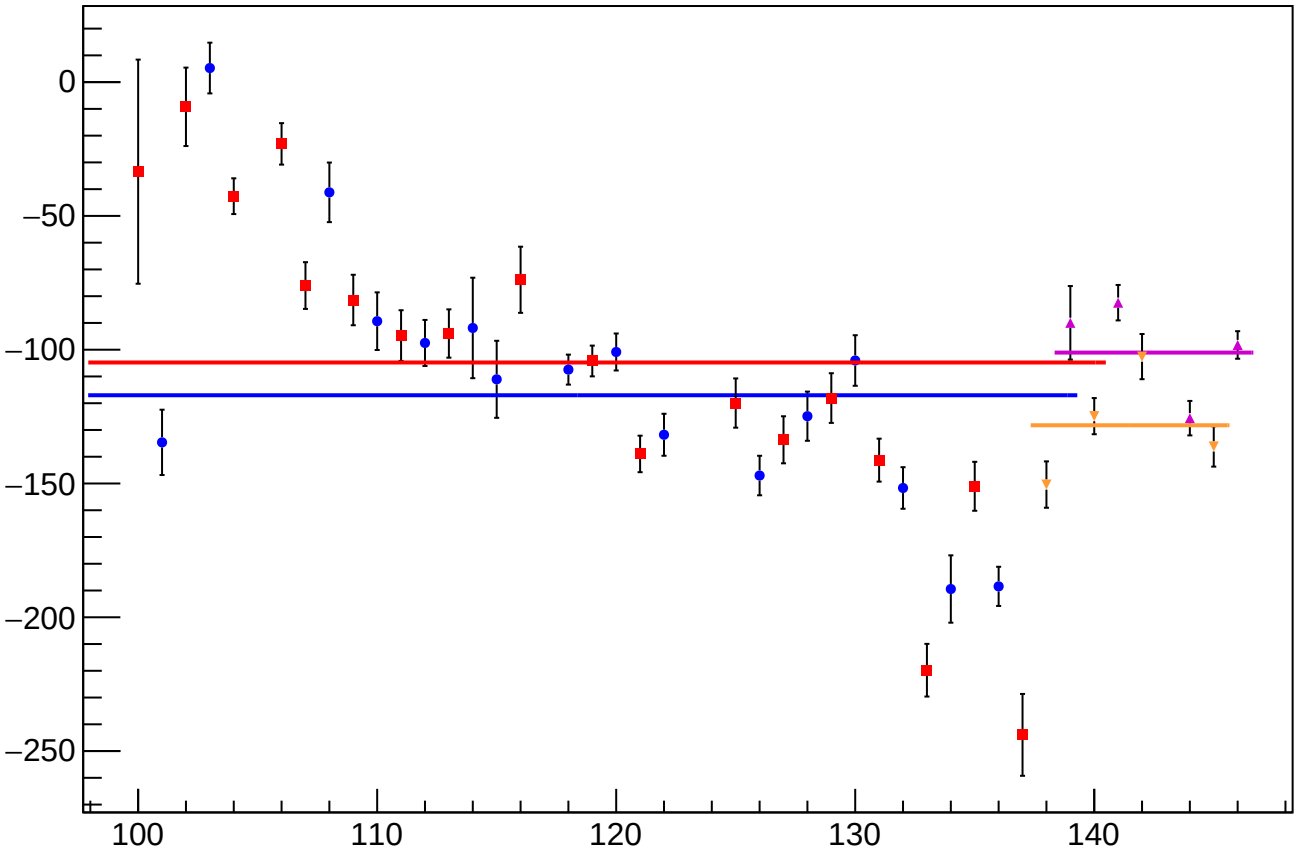
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -467.717+/-3.811 χ^2/NDF:30.5/3

+ sign -411.651+/-1.851 χ^2/NDF: 3451.7/19

All: -397.770+/-1.264 χ^2/NDF: 10392.1/41

- sign -385.639+/-1.731 χ^2/NDF: 6835.1/21



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -128.238+/-3.868 χ^2/NDF:17.1/3

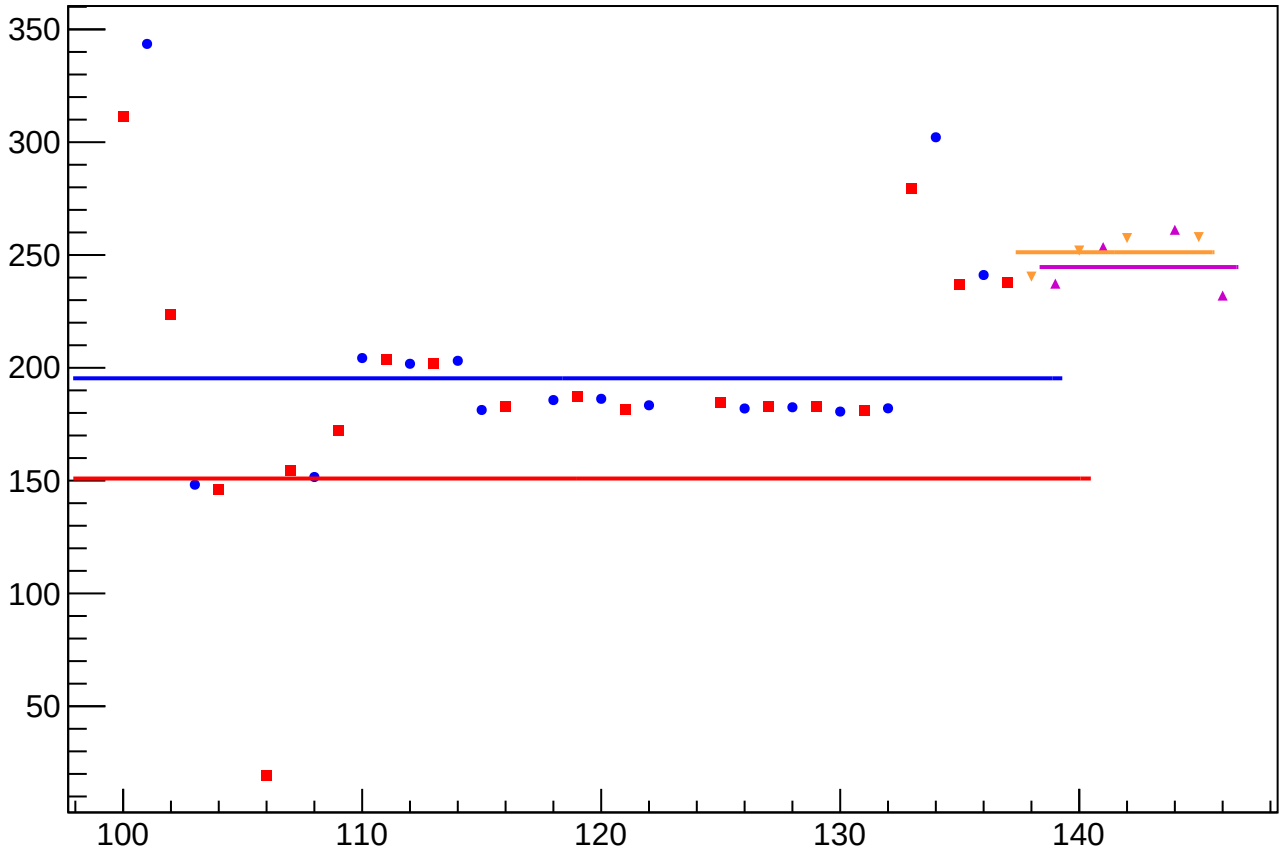
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -101.075+/-3.335 χ^2/NDF:23.4/3

\+ sign -119.752+/-1.909 χ^2/NDF: 431.3/19

All: -111.147+/-1.298 χ^2/NDF: 1068.5/41

\- sign -103.735+/-1.771 χ^2/NDF: 599.3/21



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 251.220+/-0.171 χ^2/NDF:1733.2/3

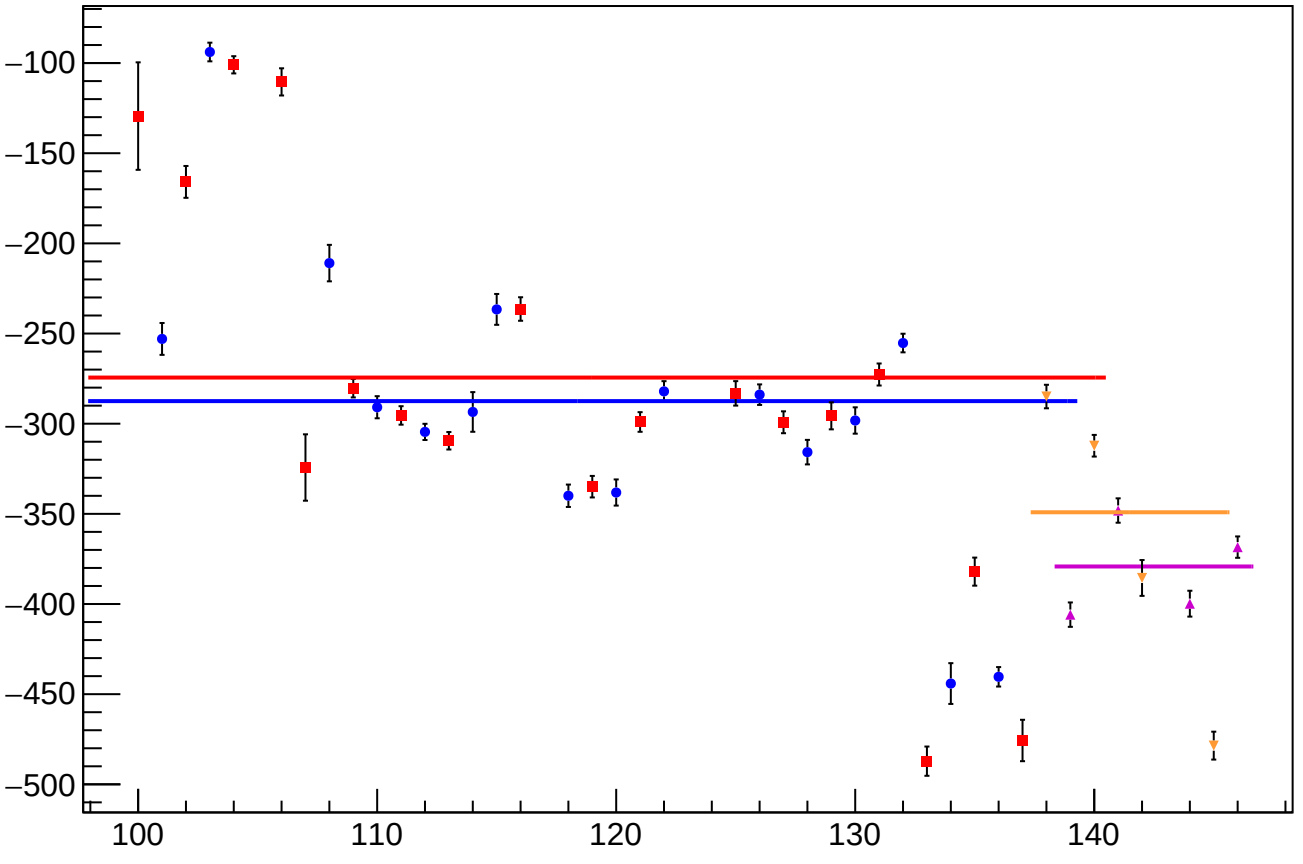
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 244.660+/-0.156 χ^2/NDF:5503.9/3

+ sign 214.751+/-0.101 χ^2/NDF: 248489.2/19

All: 196.574+/-0.067 χ^2/NDF: 1052072.2/41

- sign 182.036+/-0.090 χ^2/NDF: 744930.4/21



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -349.122+/-3.580 χ^2/NDF:427.8/3

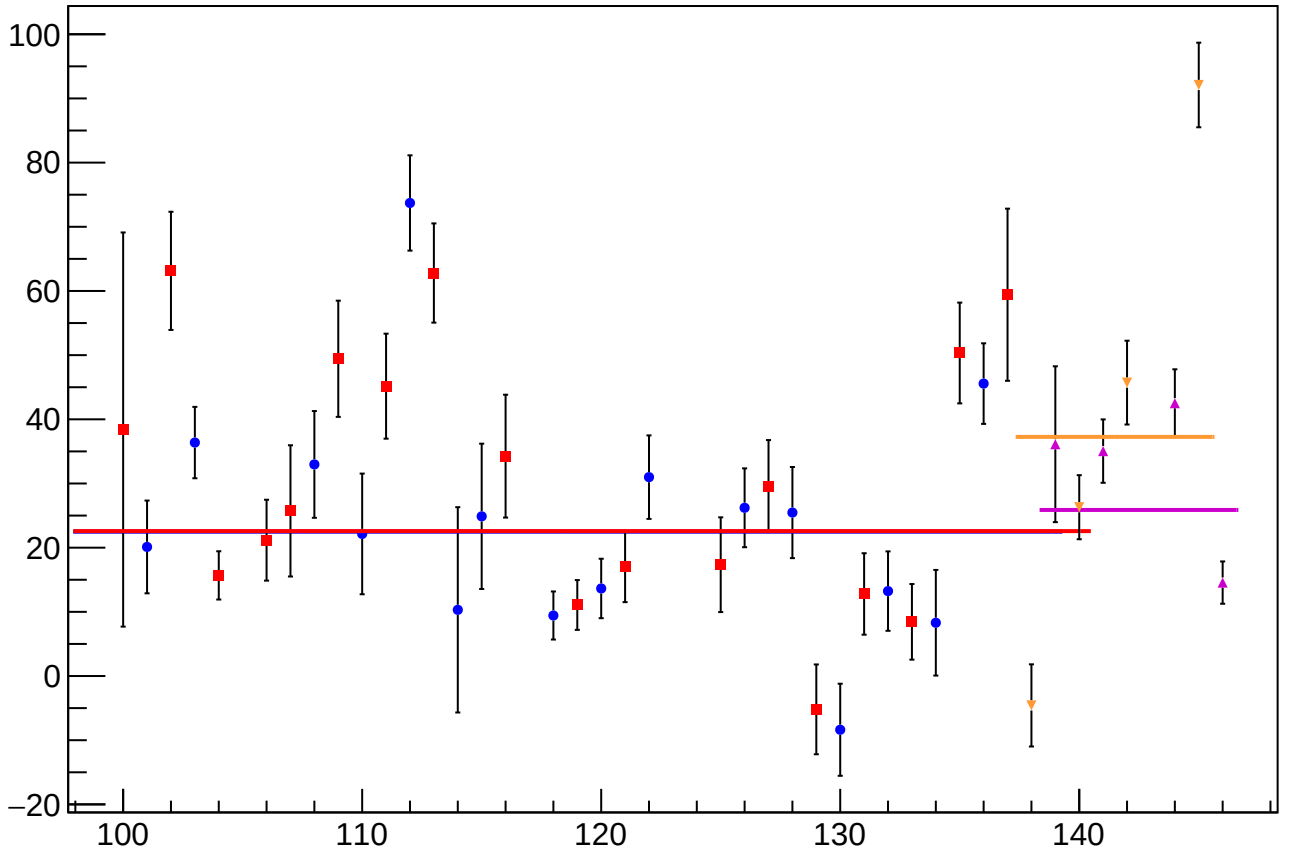
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -379.187+/-3.303 χ^2/NDF:48.2/3

\+ sign -297.861+/-1.469 χ^2/NDF: 3370.9/19

All: -295.503+/-1.015 χ^2/NDF: 7661.6/41

\- sign -293.348+/-1.404 χ^2/NDF: 4285.7/21



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 37.260+/-3.002 χ^2/NDF:118.4/3

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

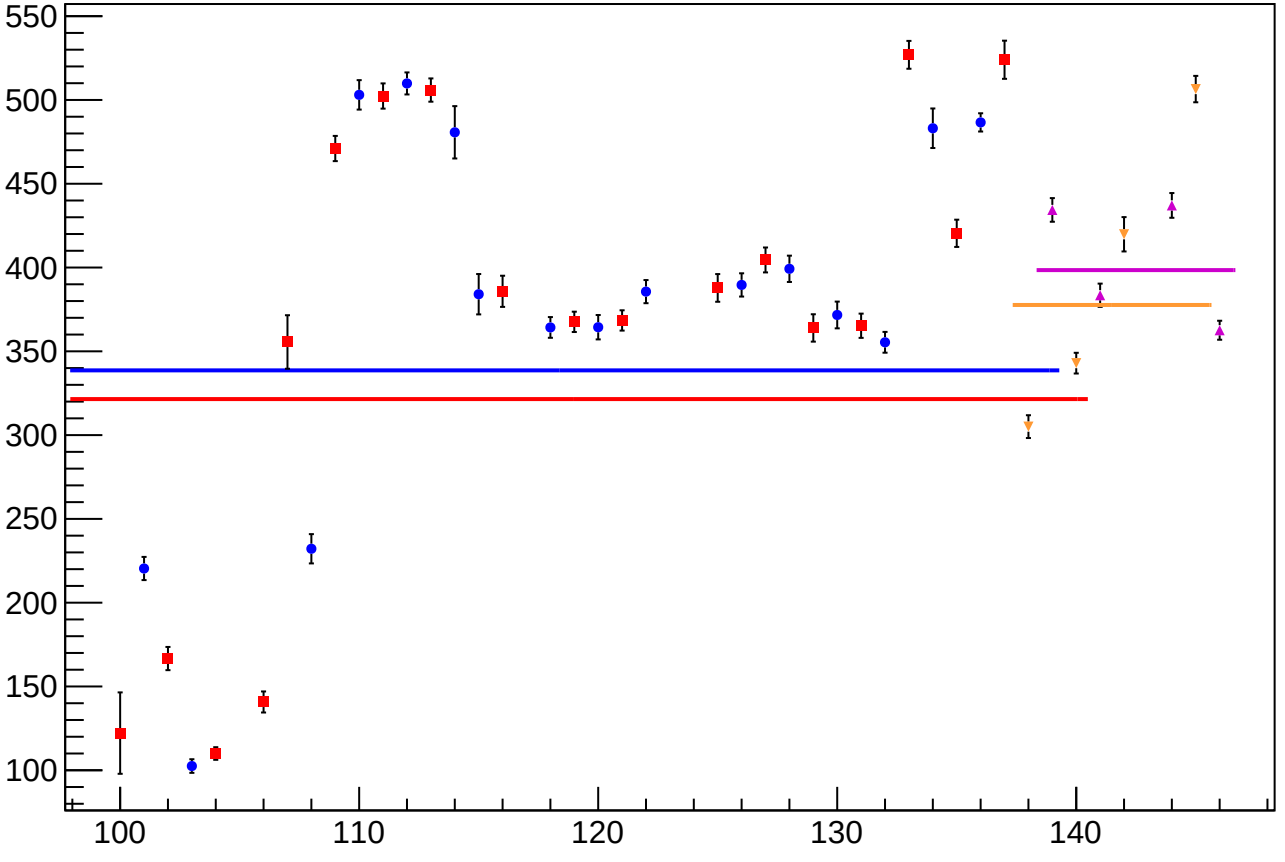
Left In: 25.878+/-2.386 χ^2/NDF:25.9/3

+ sign 25.826+/-1.426 χ^2/NDF: 248.6/19

All: 24.607+/-0.965 χ^2/NDF: 400.5/41

- sign 23.576+/-1.311 χ^2/NDF: 150.5/21

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: 377.661+/-3.690 χ^2/NDF:429.9/3

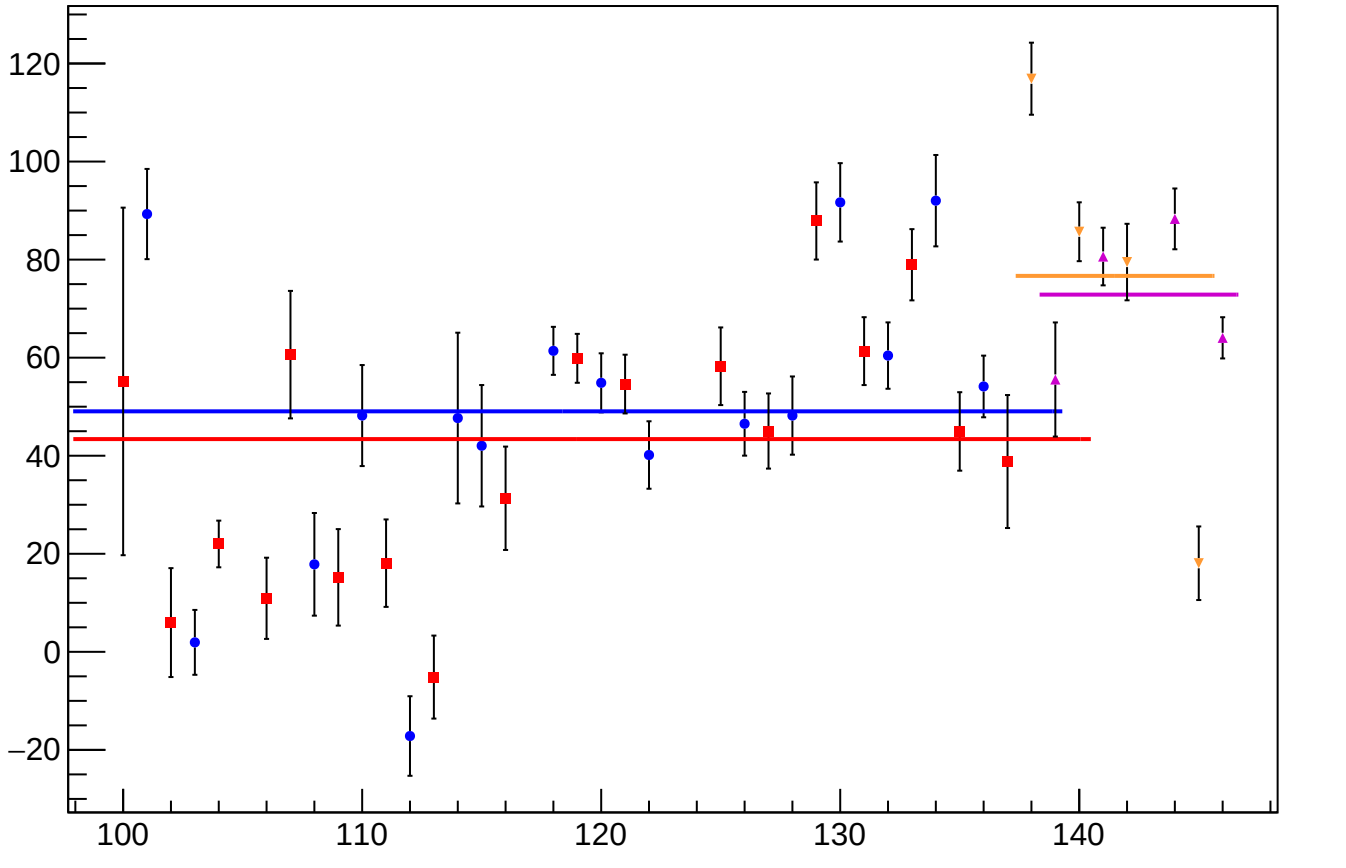
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 398.464+/-3.326 χ^2/NDF:98.0/3

+ sign 345.787+/-1.580 χ^2/NDF: 6563.9/19

All: 341.378+/-1.091 χ^2/NDF: 14822.7/41

- sign 337.353+/-1.510 χ^2/NDF: 8243.9/21



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 76.681+/-3.526 χ^2/NDF:93.3/3

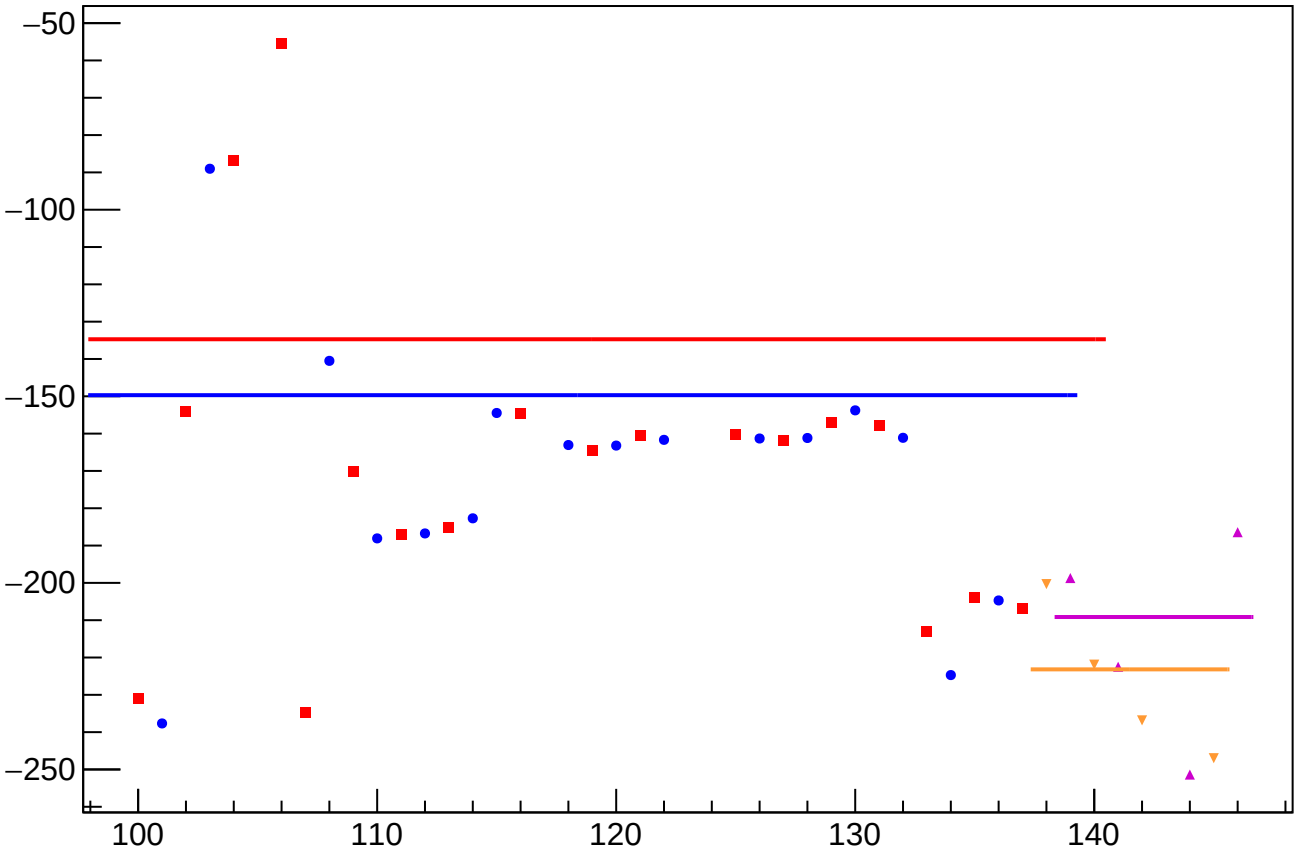
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.860+/-2.900 χ^2/NDF:14.6/3

+ sign 55.182+/-1.661 χ^2/NDF: 349.0/19

All: 53.380+/-1.133 χ^2/NDF: 619.6/41

- sign 51.809+/-1.550 χ^2/NDF: 268.3/21



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -223.178+/-0.154 χ^2/NDF:13869.0/3

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

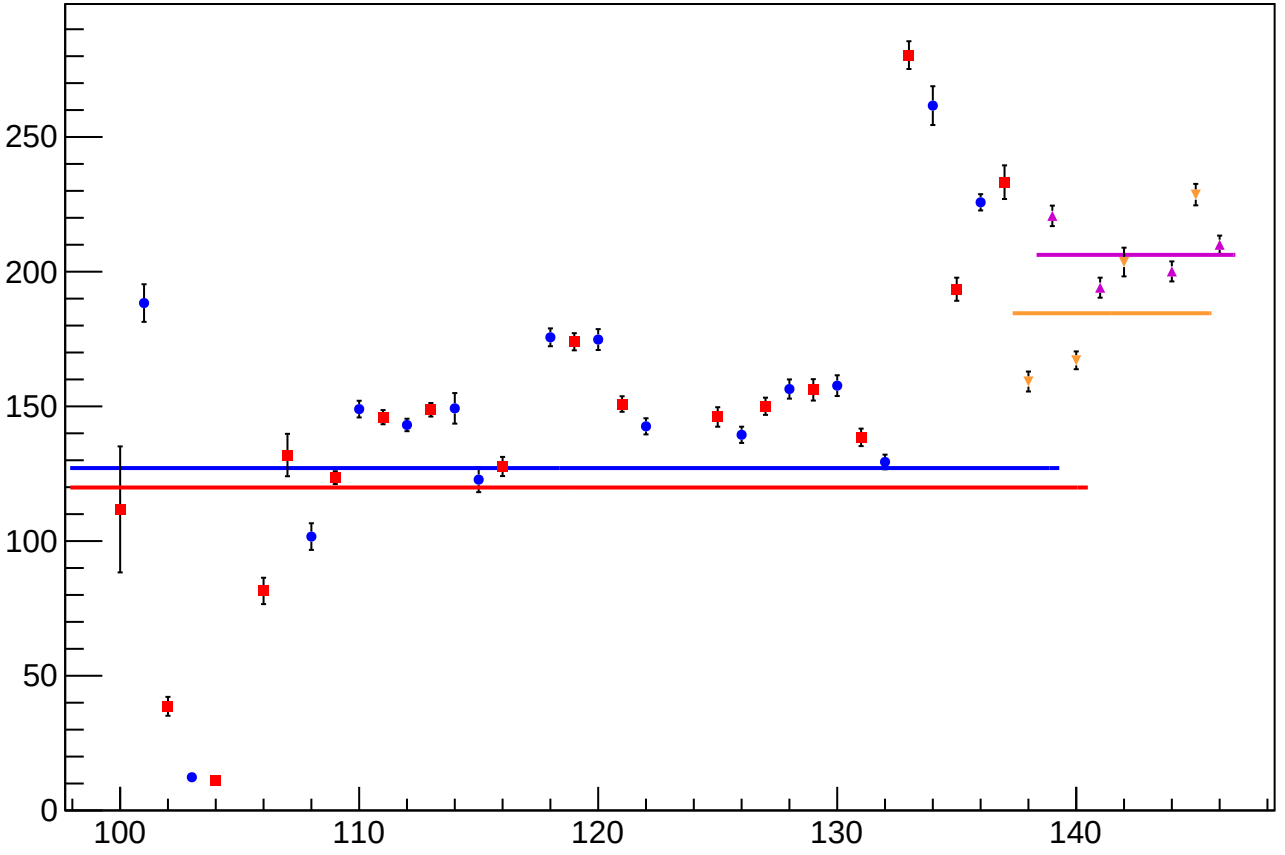
Left In: -209.146+/-0.136 χ^2/NDF:28874.8/3

\+ sign -171.833+/-0.084 χ^2/NDF: 430349.1/19

All: -165.449+/-0.058 χ^2/NDF: 981475.0/41

\- sign -159.849+/-0.079 χ^2/NDF: 540355.1/21

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 184.573+/-1.951 χ^2/NDF:209.7/3

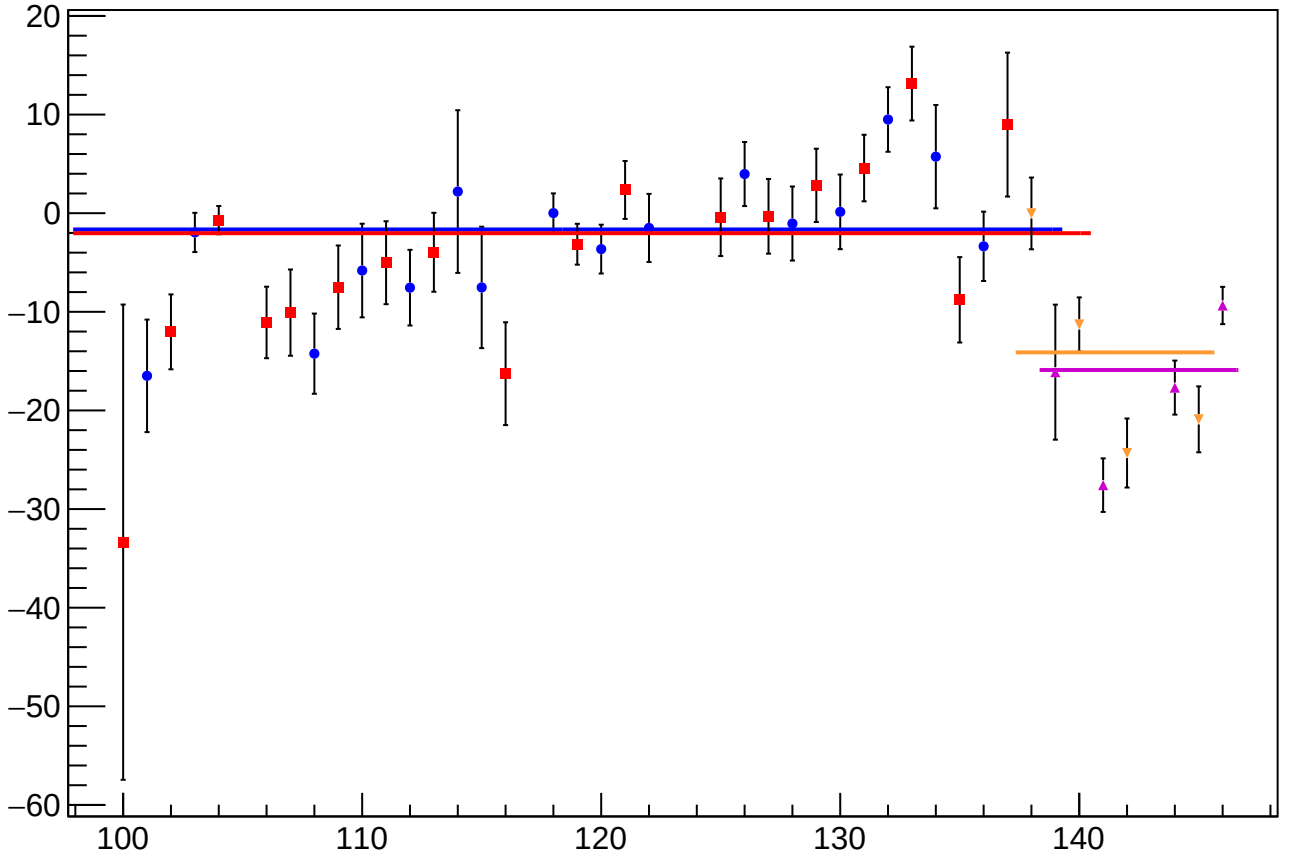
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 206.243+/-1.824 χ^2/NDF:29.2/3

\+ sign 135.564+/-0.749 χ^2/NDF: 7112.9/19

All: 134.258+/-0.516 χ^2/NDF: 15697.6/41

\- sign 133.075+/-0.713 χ^2/NDF: 8578.9/21



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -14.113+/-1.623 χ^2/NDF:28.7/3

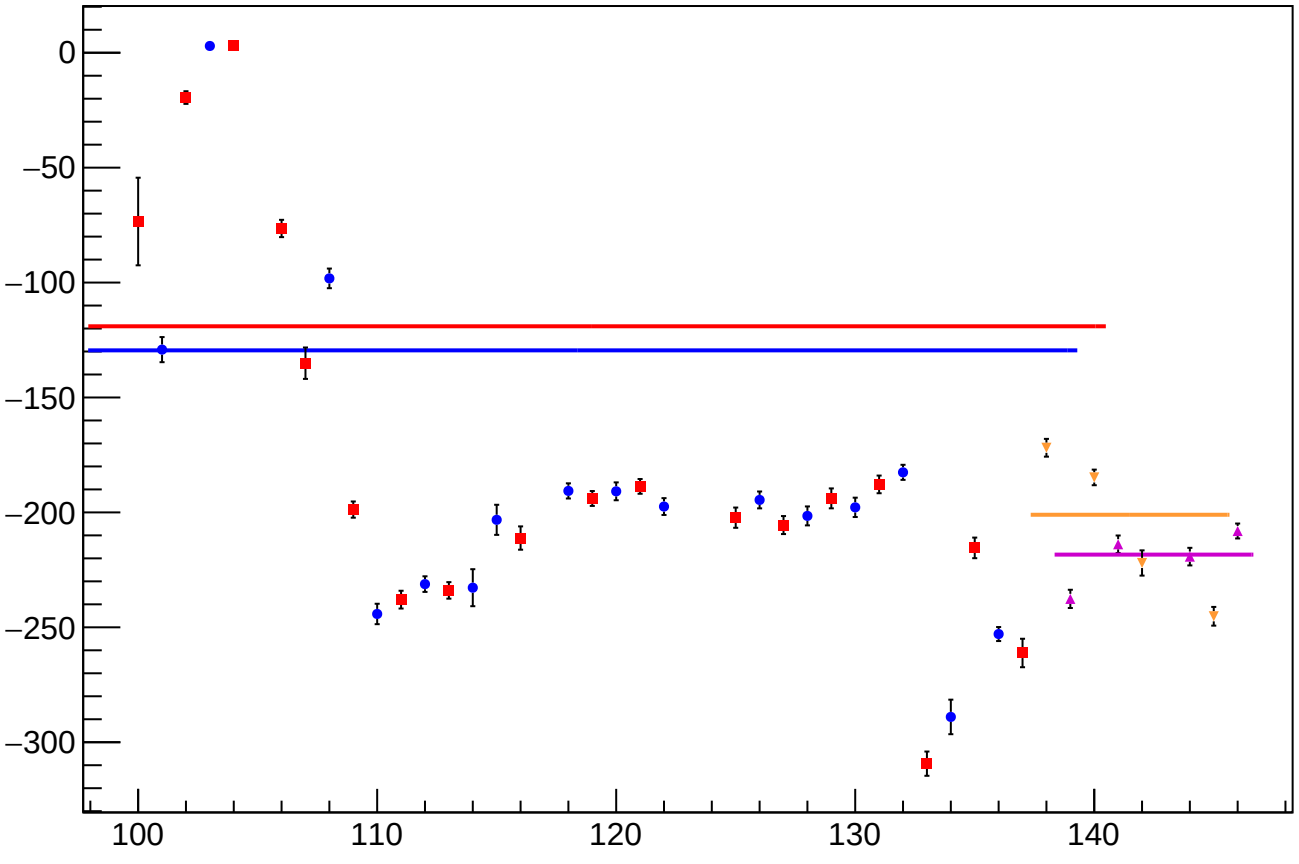
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.897+/-1.325 χ^2/NDF:30.9/3

+ sign -4.248+/-0.741 χ^2/NDF: 114.4/19

All: -4.958+/-0.495 χ^2/NDF: 287.5/41

- sign -5.531+/-0.666 χ^2/NDF: 171.4/21



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.027+/-2.012 χ^2/NDF:211.8/3

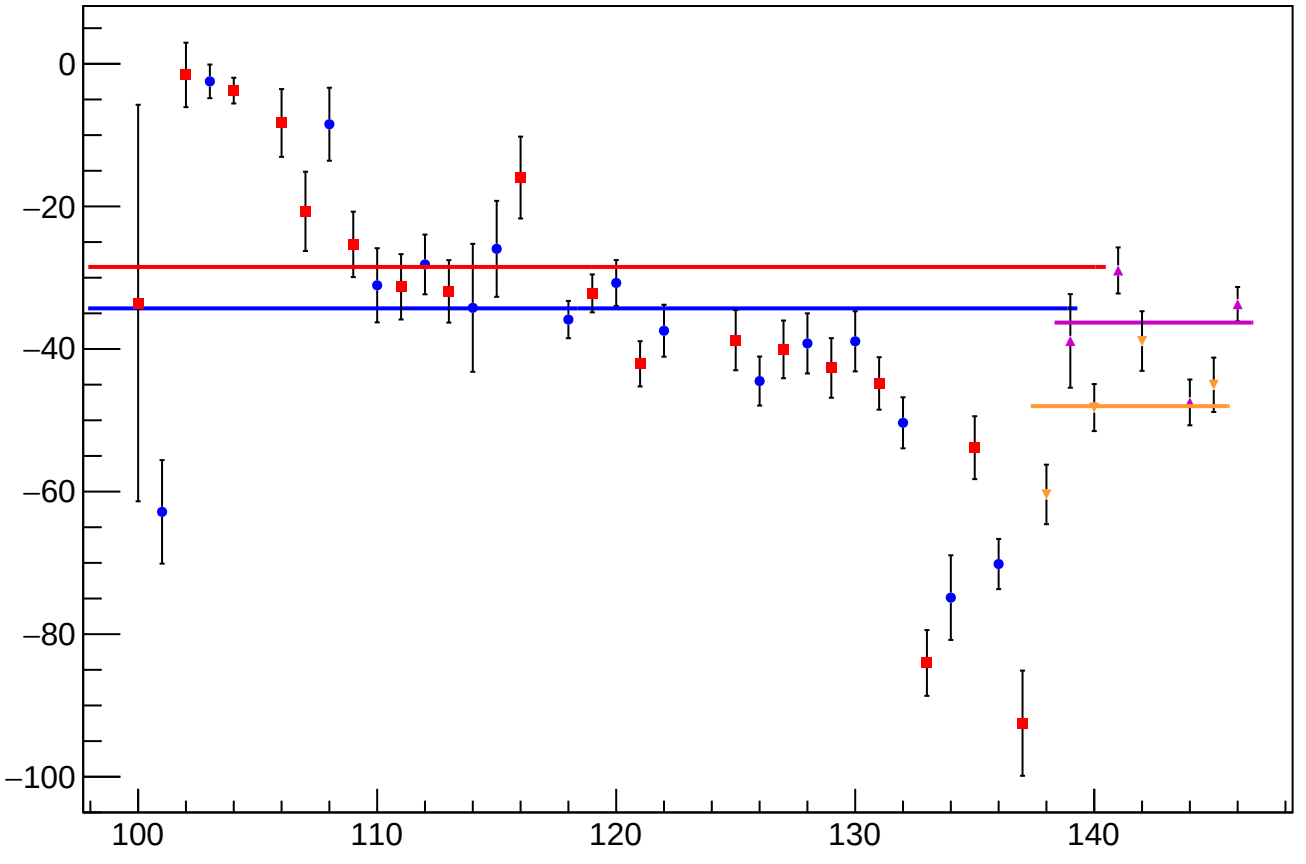
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -218.366+/-1.839 χ^2/NDF:35.1/3

\+ sign -140.250+/-0.780 χ^2/NDF: 15973.4/19

All: -137.632+/-0.538 χ^2/NDF: 34648.2/41

\- sign -135.254+/-0.743 χ^2/NDF: 18653.3/21



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -48.015+/-1.906 χ^2/NDF:14.2/3

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

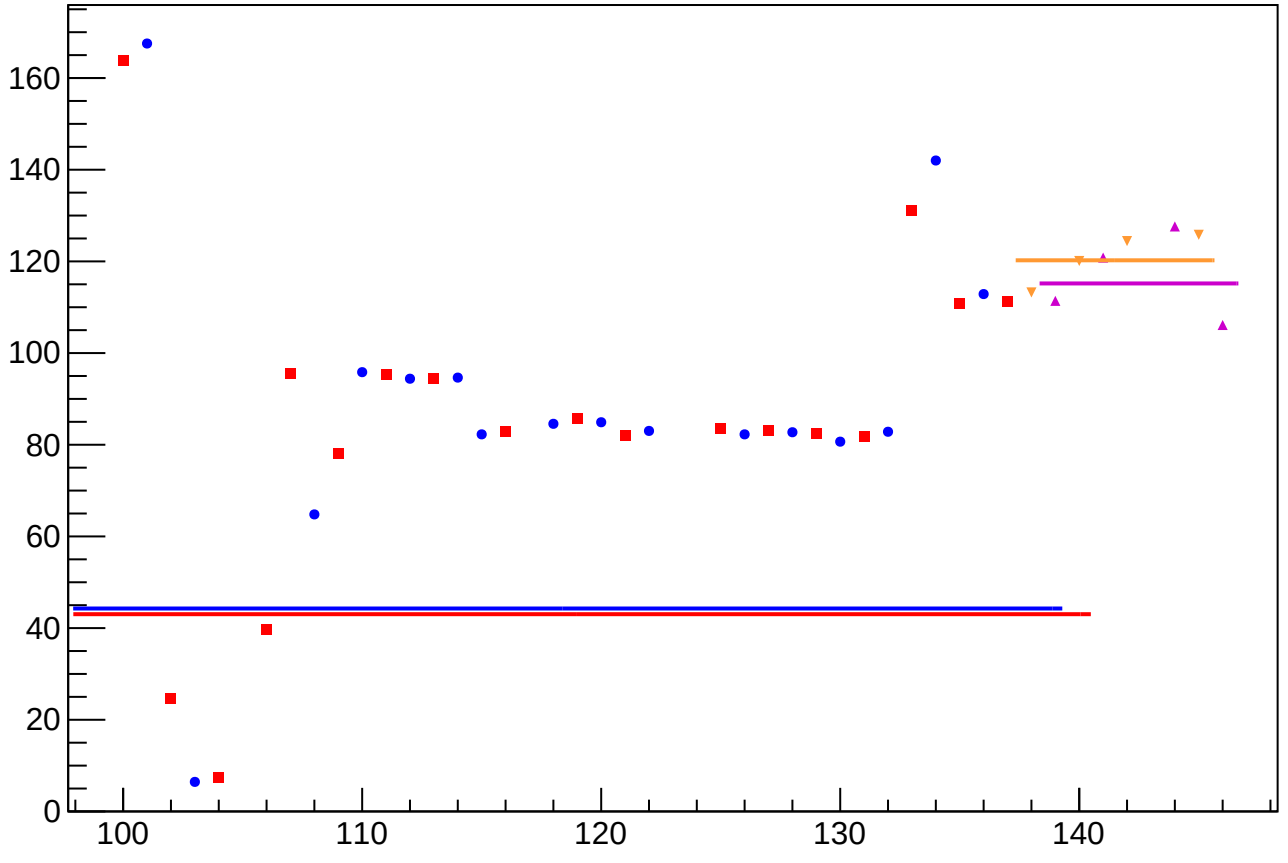
Left In: -36.293+/-1.606 χ^2/NDF:18.6/3

+ sign -37.112+/-0.863 χ^2/NDF: 466.7/19

All: -33.445+/-0.583 χ^2/NDF: 1104.3/41

- sign -30.375+/-0.790 χ^2/NDF: 604.5/21

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 120.237+/-0.084 χ^2/NDF:3562.4/3

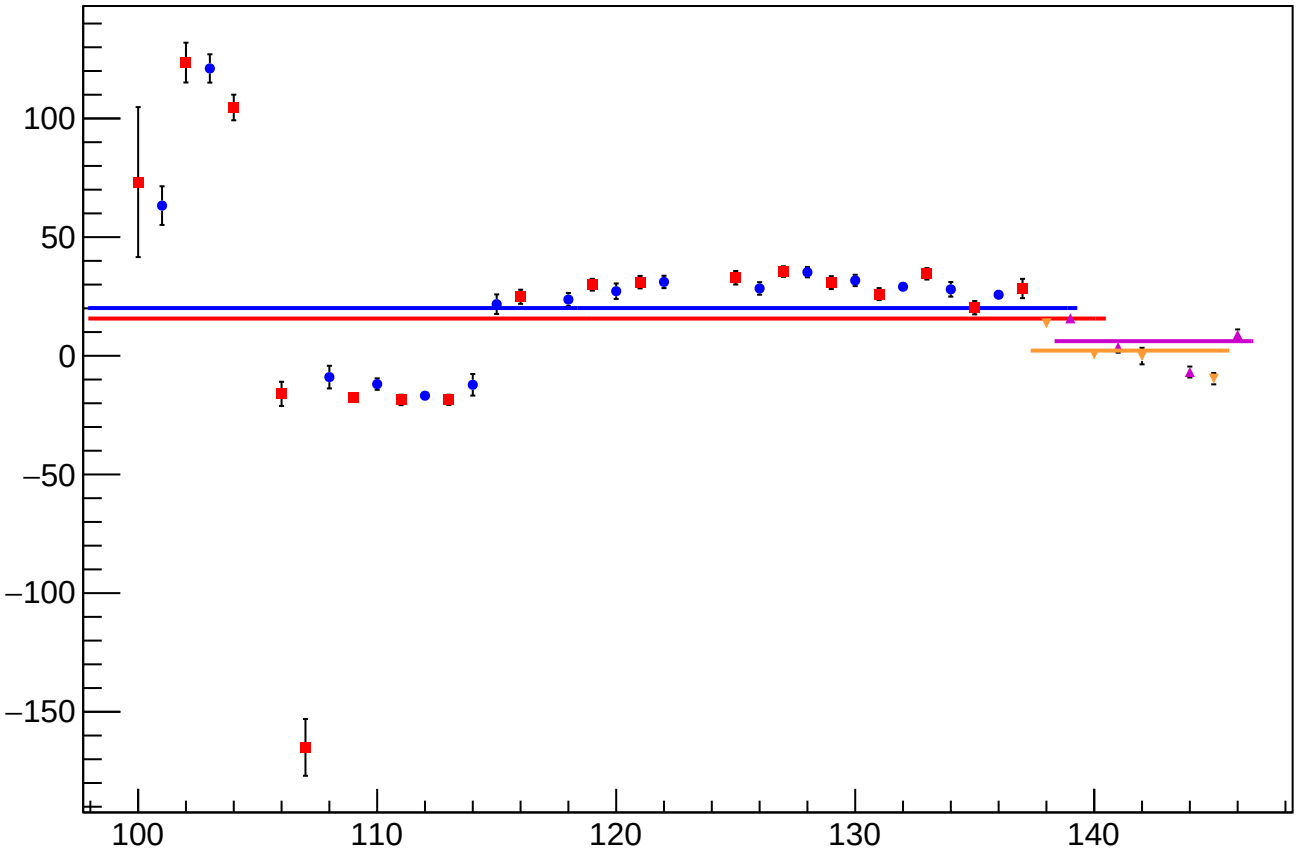
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 115.189+/-0.075 χ^2/NDF:11505.0/3

+ sign 61.281+/-0.040 χ^2/NDF: 1728299.2/19

All: 61.668+/-0.028 χ^2/NDF: 3221083.2/41

- sign 62.036+/-0.039 χ^2/NDF: 1492597.9/21



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 2.197+/-1.180 χ^2/NDF:55.5/3

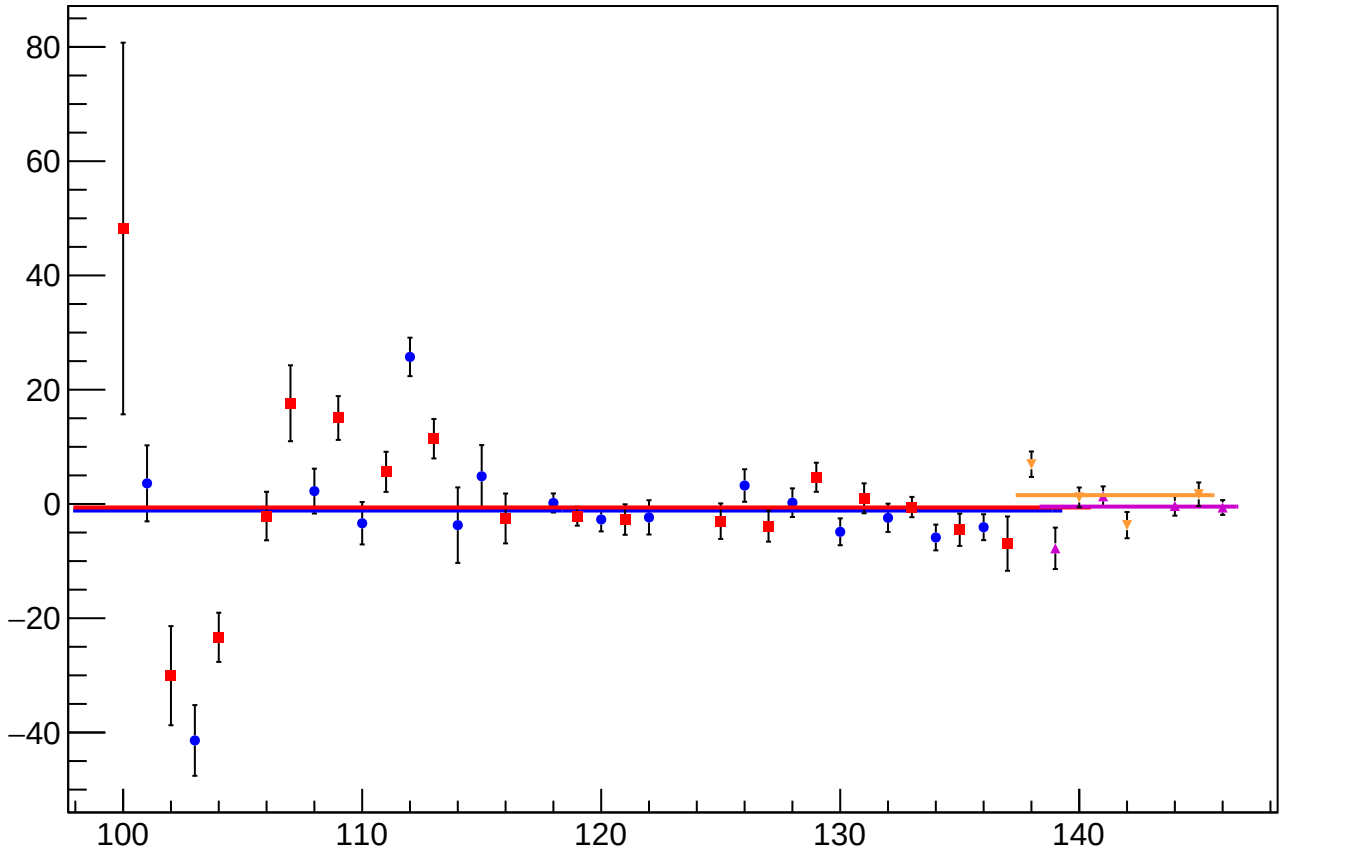
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.164+/-1.111 χ^2/NDF:57.2/3

\+ sign 15.578+/-0.594 χ^2/NDF: 1275.9/19

All: 14.308+/-0.415 χ^2/NDF: 3169.4/41

\- sign 13.091+/-0.581 χ^2/NDF: 1884.5/21



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 1.542+/-1.022 χ^2/NDF:11.2/3

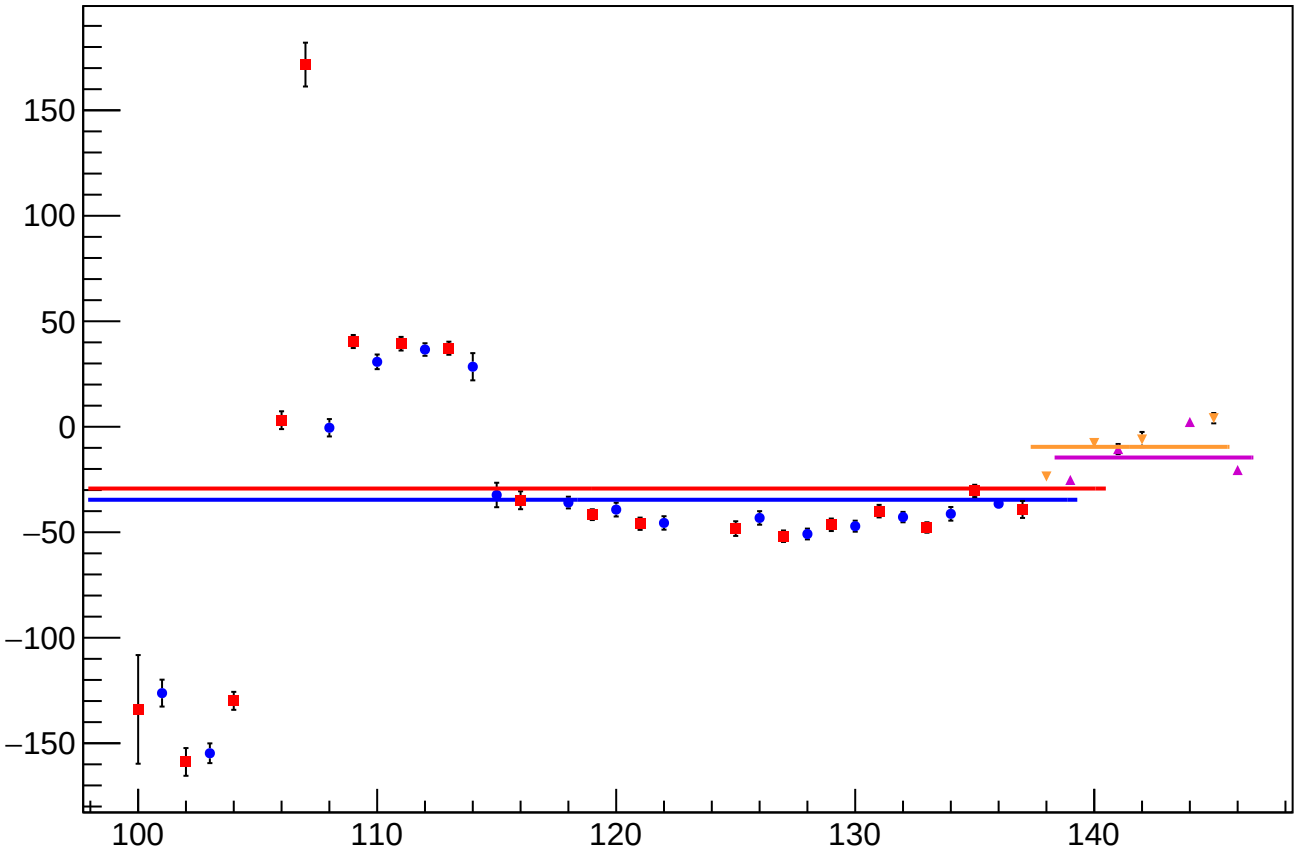
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.463+/-0.860 χ^2/NDF:5.2/3

+ sign -0.292+/-0.577 χ^2/NDF: 137.8/19

All: -0.429+/-0.398 χ^2/NDF: 236.5/41

- sign -0.553+/-0.549 χ^2/NDF: 98.6/21



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -9.522+/-1.217 χ^2/NDF:74.0/3

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

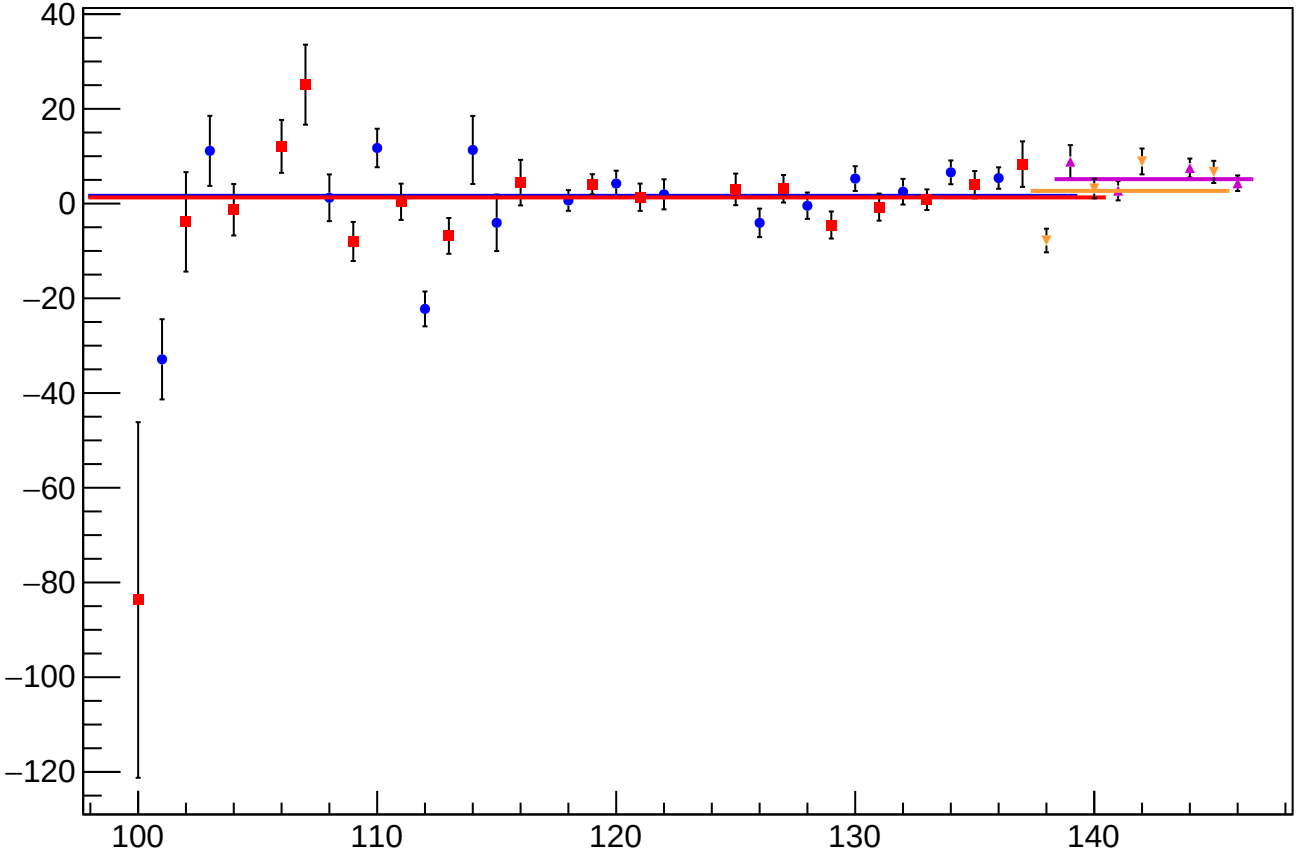
Left In: -14.576+/-1.127 χ^2/NDF:86.2/3

+ sign -27.211+/-0.660 χ^2/NDF: 2432.2/19

All: -25.764+/-0.464 χ^2/NDF: 5722.1/41

- sign -24.353+/-0.652 χ^2/NDF: 3280.5/21

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 2.677+/-1.188 χ^2/NDF:25.8/3

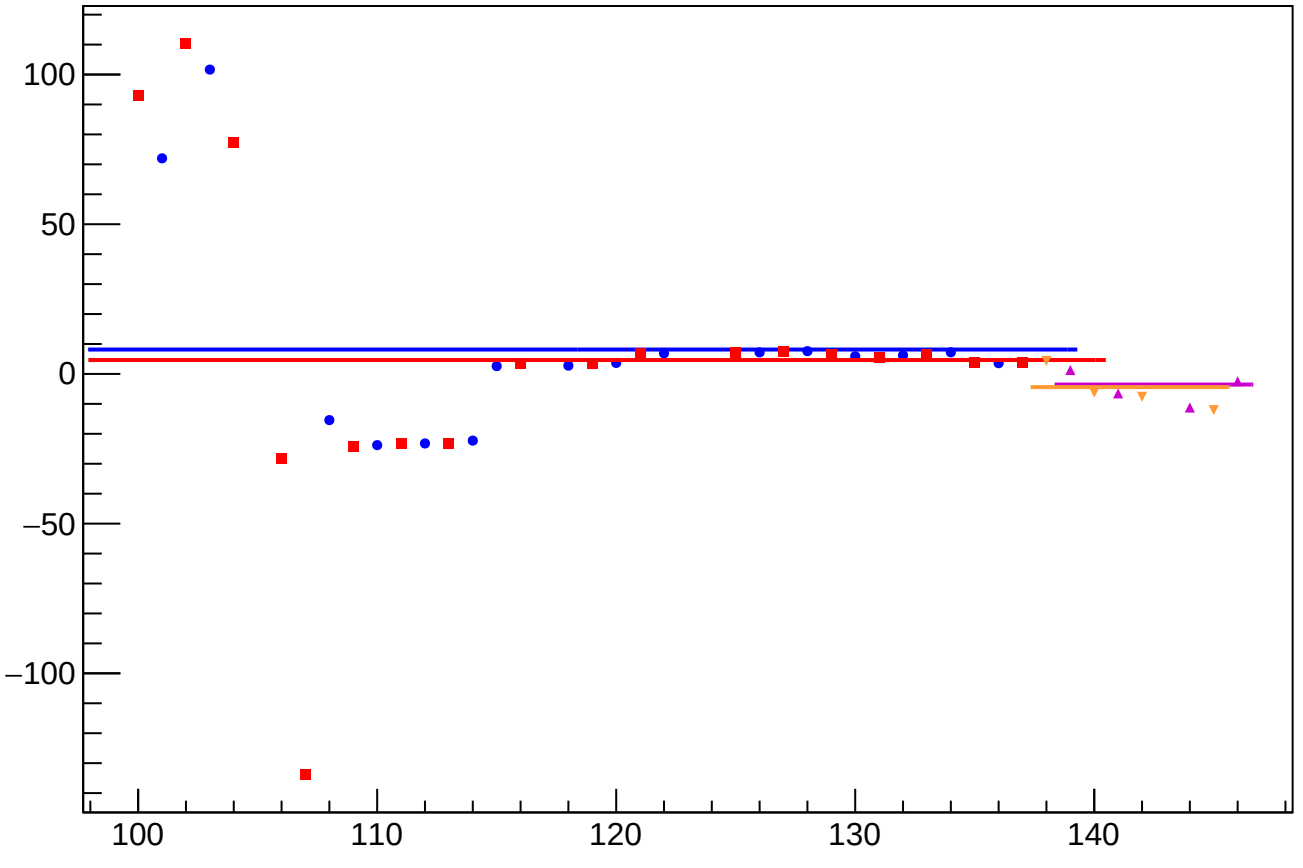
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 5.156+/-1.030 χ^2/NDF:4.2/3

+ sign 1.955+/-0.662 χ^2/NDF: 109.6/19

All: 2.385+/-0.460 χ^2/NDF: 160.8/41

- sign 2.787+/-0.640 χ^2/NDF: 50.3/21



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -4.401+/-0.050 χ^2/NDF:17727.4/3

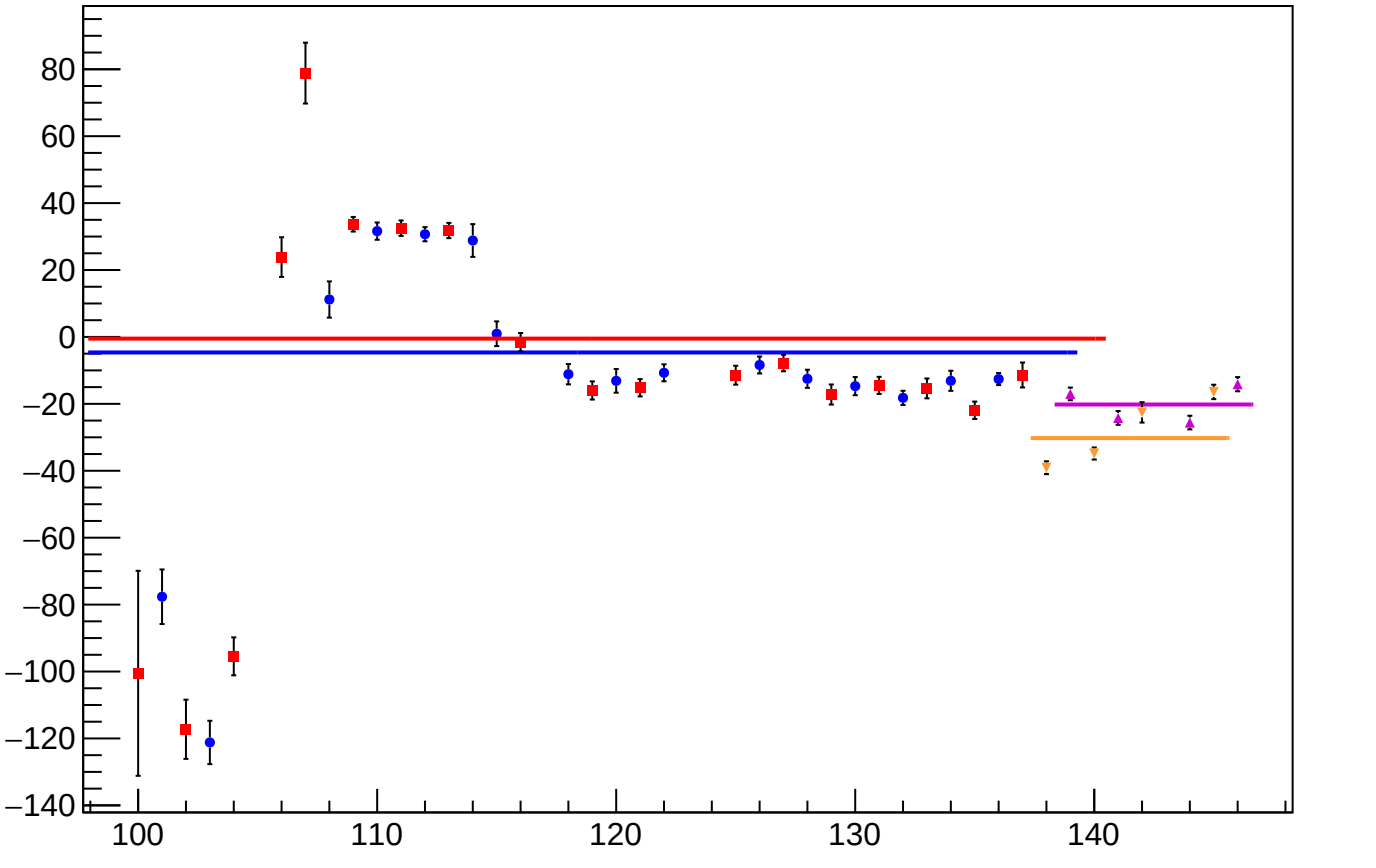
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.537+/-0.045 χ^2/NDF:10475.3/3

+ sign 2.053+/-0.035 χ^2/NDF: 363748.3/19

All: 1.023+/-0.024 χ^2/NDF: 836881.8/41

- sign 0.026+/-0.034 χ^2/NDF: 471396.9/21



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -30.228+/-1.056 χ^2/NDF:74.9/3

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

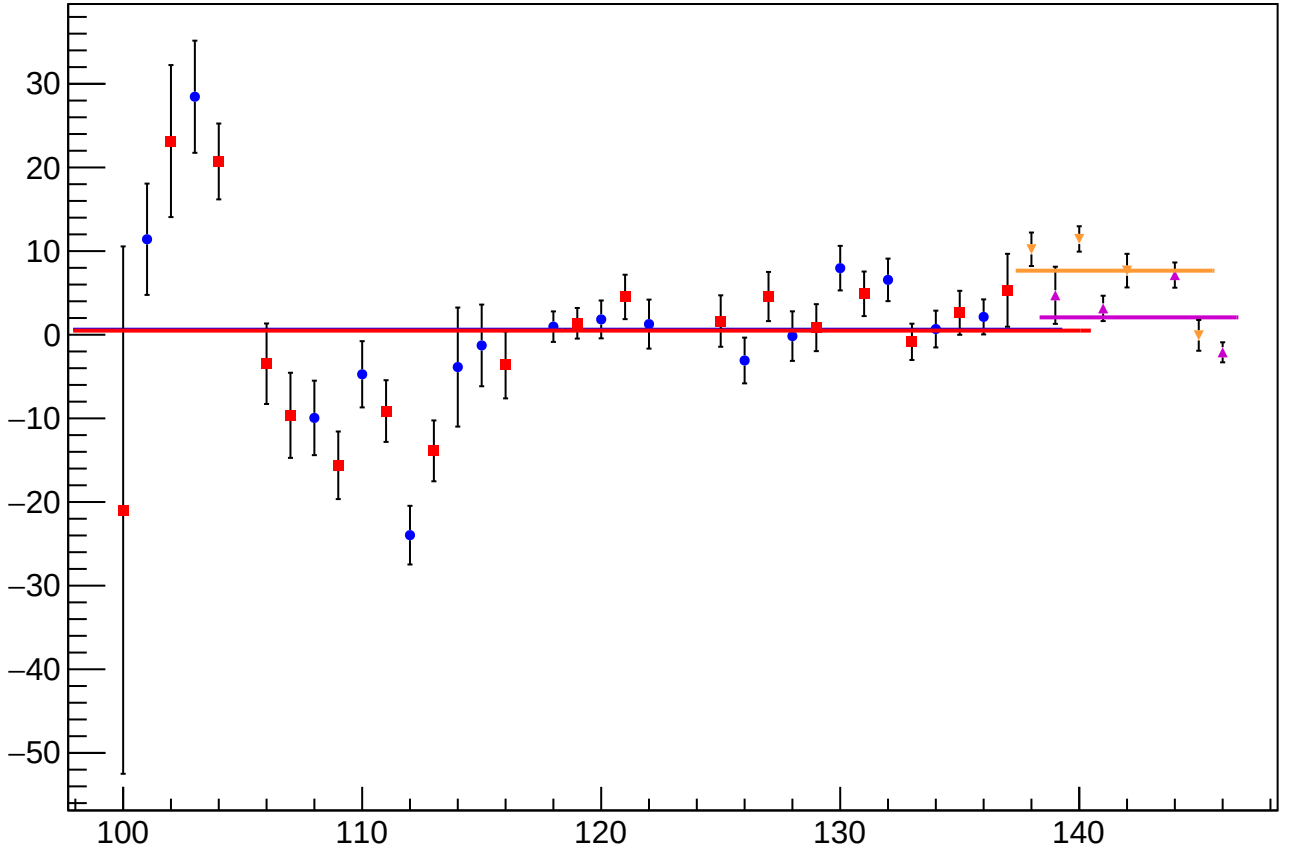
Left In: -20.200+/-1.012 χ^2/NDF:21.8/3

+ sign -12.625+/-0.590 χ^2/NDF: 1524.7/19

All: -9.778+/-0.414 χ^2/NDF: 3303.8/41

- sign -7.014+/-0.582 χ^2/NDF: 1733.3/21

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 7.661+/-0.903 χ^2/NDF:25.5/3

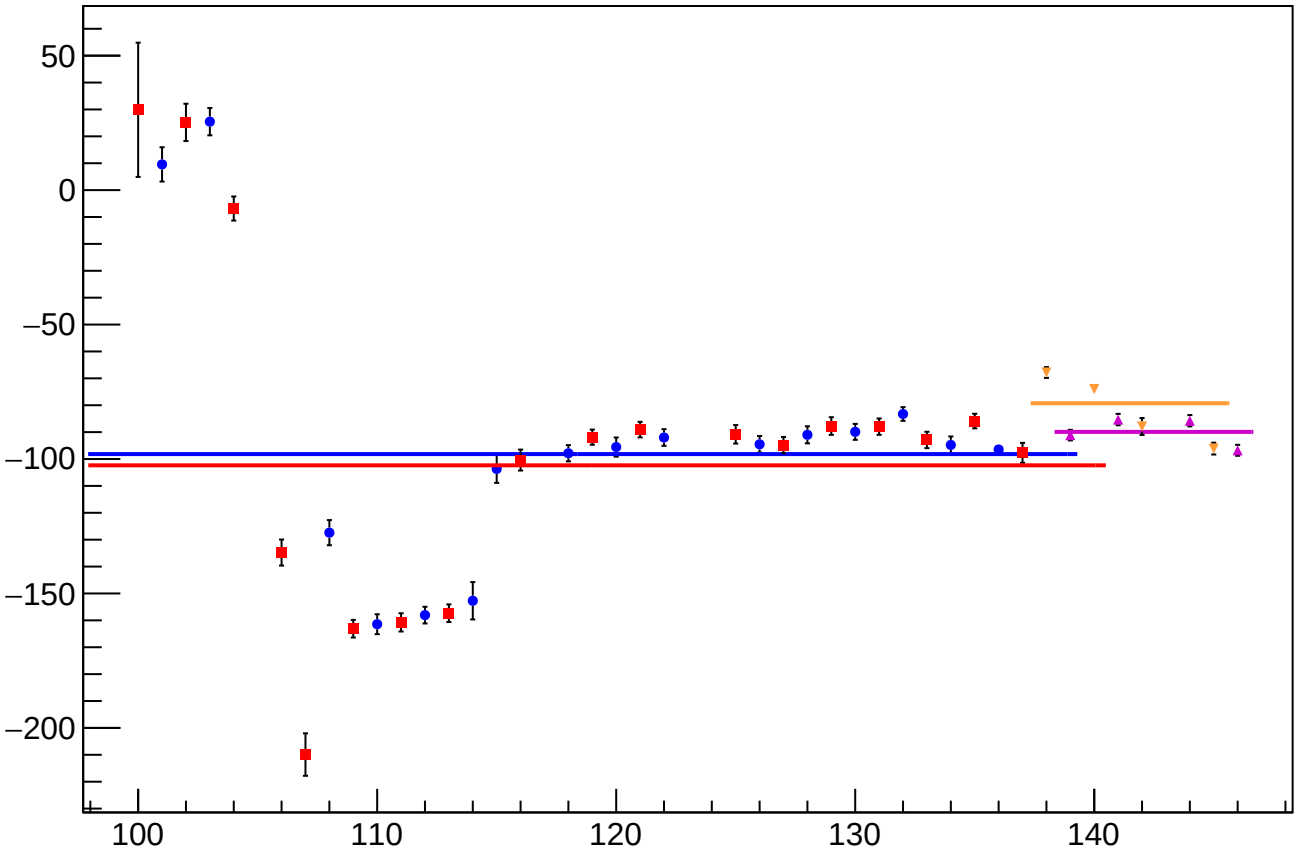
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 2.079+/-0.777 χ^2/NDF:24.5/3

+ sign 3.378+/-0.566 χ^2/NDF: 155.5/19

All: 2.274+/-0.391 χ^2/NDF: 269.5/41

- sign 1.265+/-0.541 χ^2/NDF: 106.8/21



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -79.264+/-1.090 χ^2/NDF:106.7/3

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

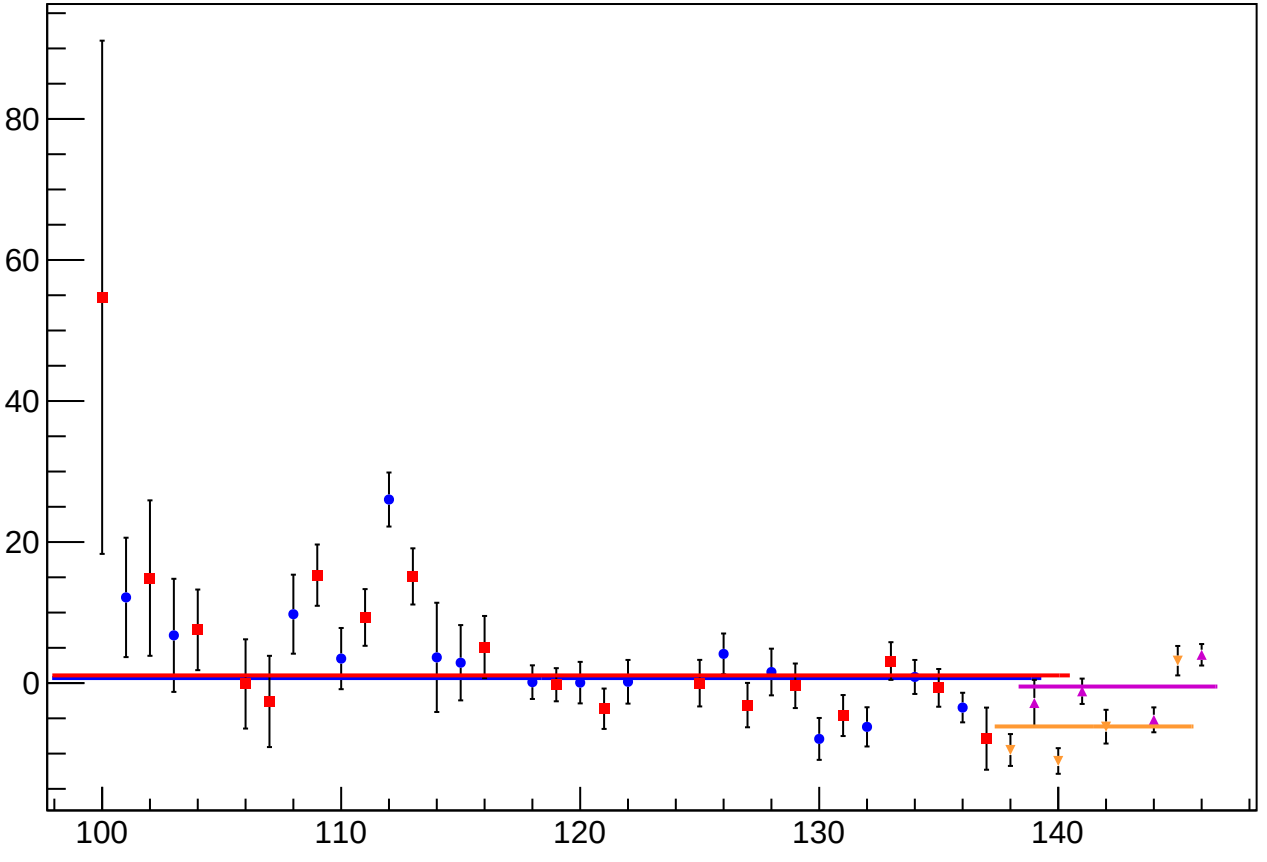
Left In: -89.914+/-1.026 χ^2/NDF:20.3/3

+ sign -91.412+/-0.651 χ^2/NDF: 1999.9/19

All: -94.411+/-0.460 χ^2/NDF: 4268.1/41

- sign -97.383+/-0.649 χ^2/NDF: 2226.0/21

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: -6.152+/-1.053 χ^2/NDF:29.4/3

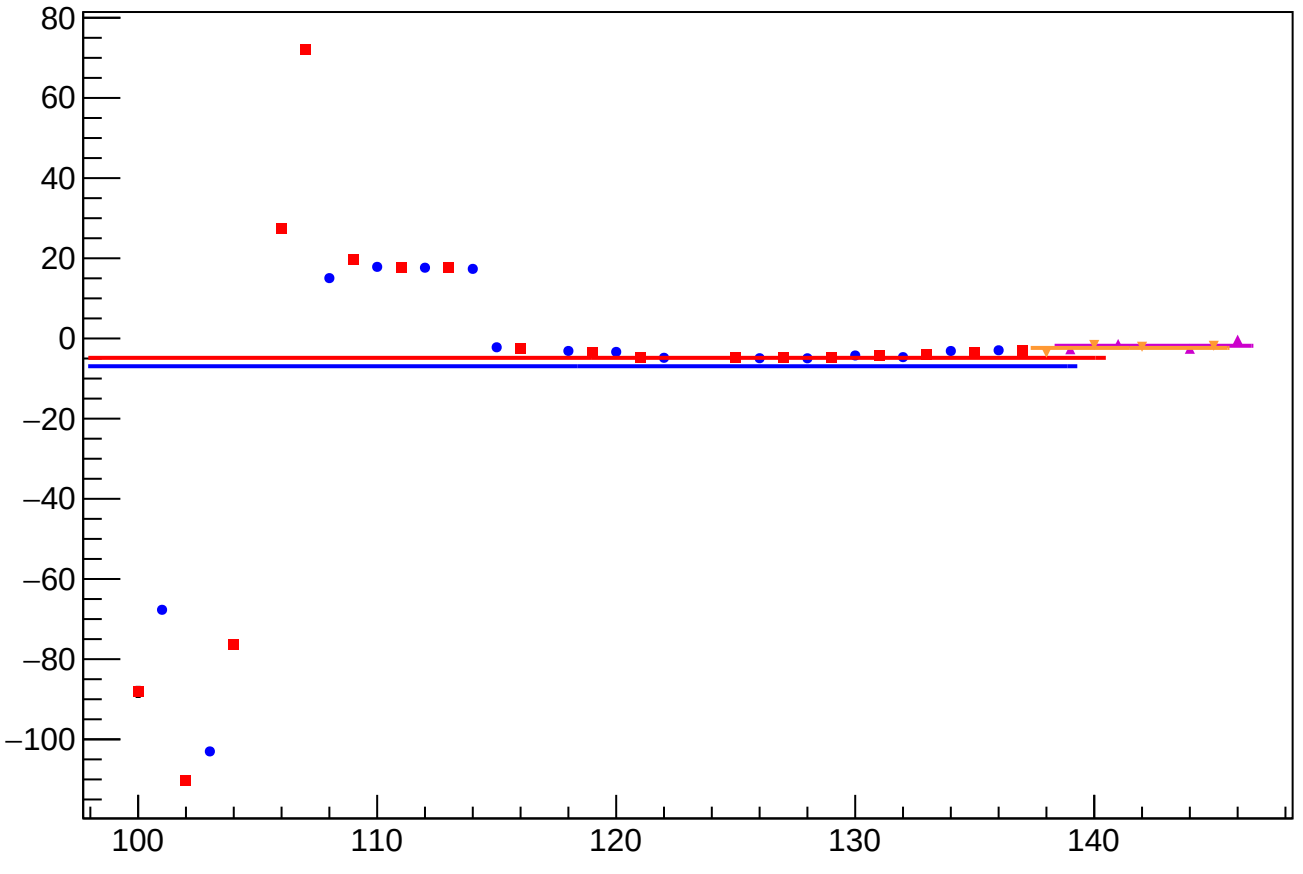
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.490+/-0.931 χ^2/NDF:16.5/3

+ sign -1.886+/-0.648 χ^2/NDF: 125.4/19

All: -0.730+/-0.452 χ^2/NDF: 197.4/41

- sign 0.365+/-0.630 χ^2/NDF: 65.7/21



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -2.355+/-0.045 χ^2/NDF:355.5/3

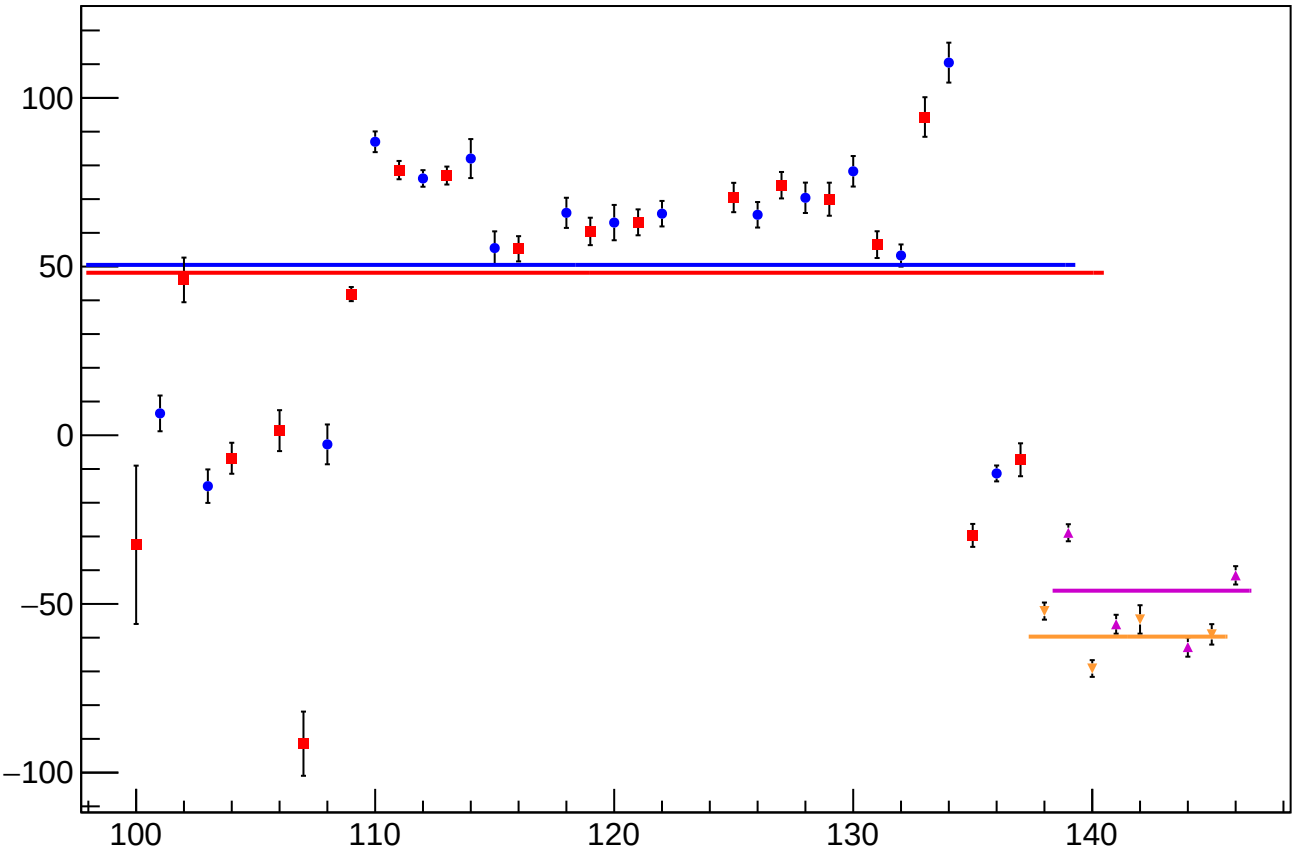
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.821+/-0.042 χ^2/NDF:544.9/3

+ sign -4.459+/-0.033 χ^2/NDF: 270334.3/19

All: -3.709+/-0.023 χ^2/NDF: 613279.9/41

- sign -2.972+/-0.033 χ^2/NDF: 341917.6/21



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -59.688+/-1.439 χ^2/NDF:24.9/3

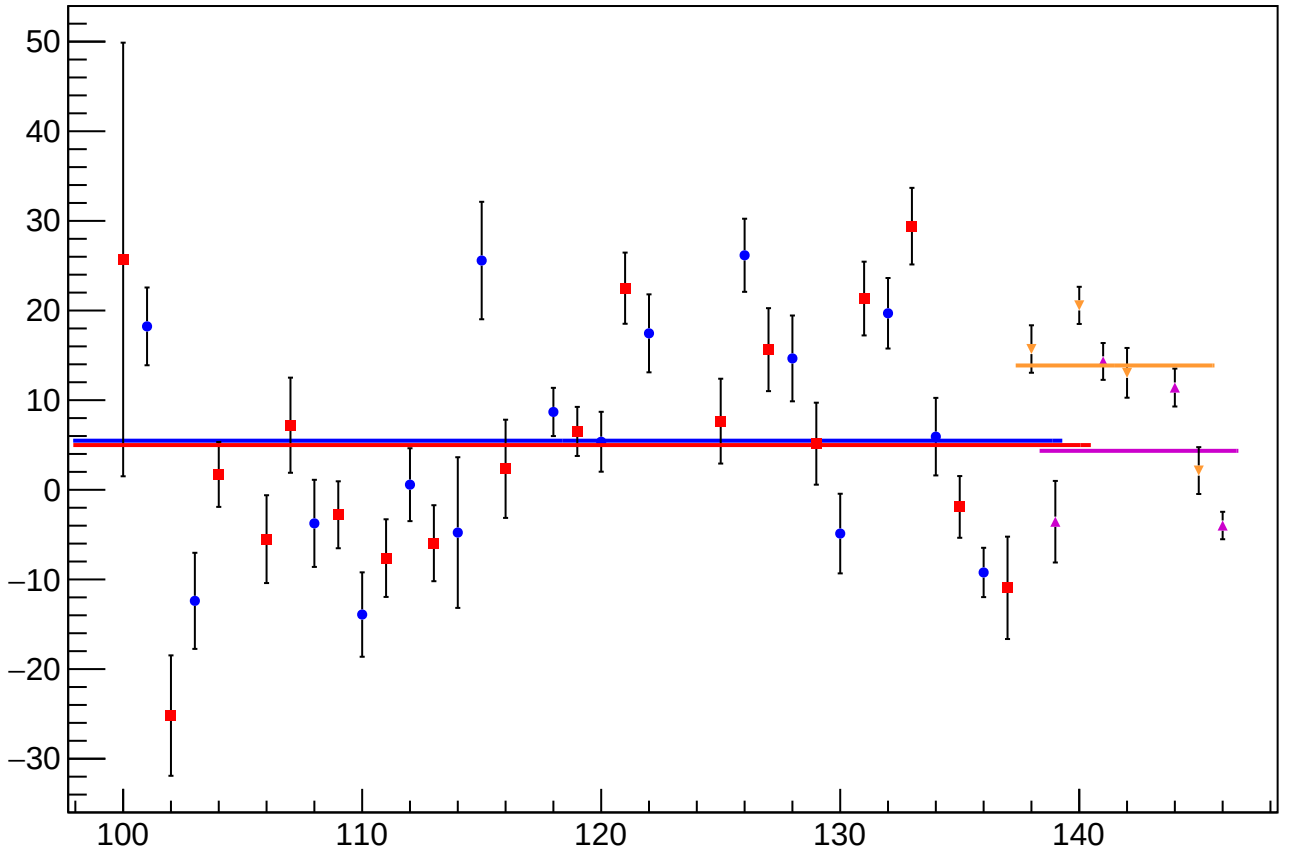
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -46.073+/-1.359 χ^2/NDF:95.8/3

\+ sign 16.296+/-0.802 χ^2/NDF: 5573.4/19

All: 17.614+/-0.551 χ^2/NDF: 10506.0/41

\- sign 18.793+/-0.759 χ^2/NDF: 4927.5/21



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 13.870+/-1.239 χ^2/NDF:31.2/3

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

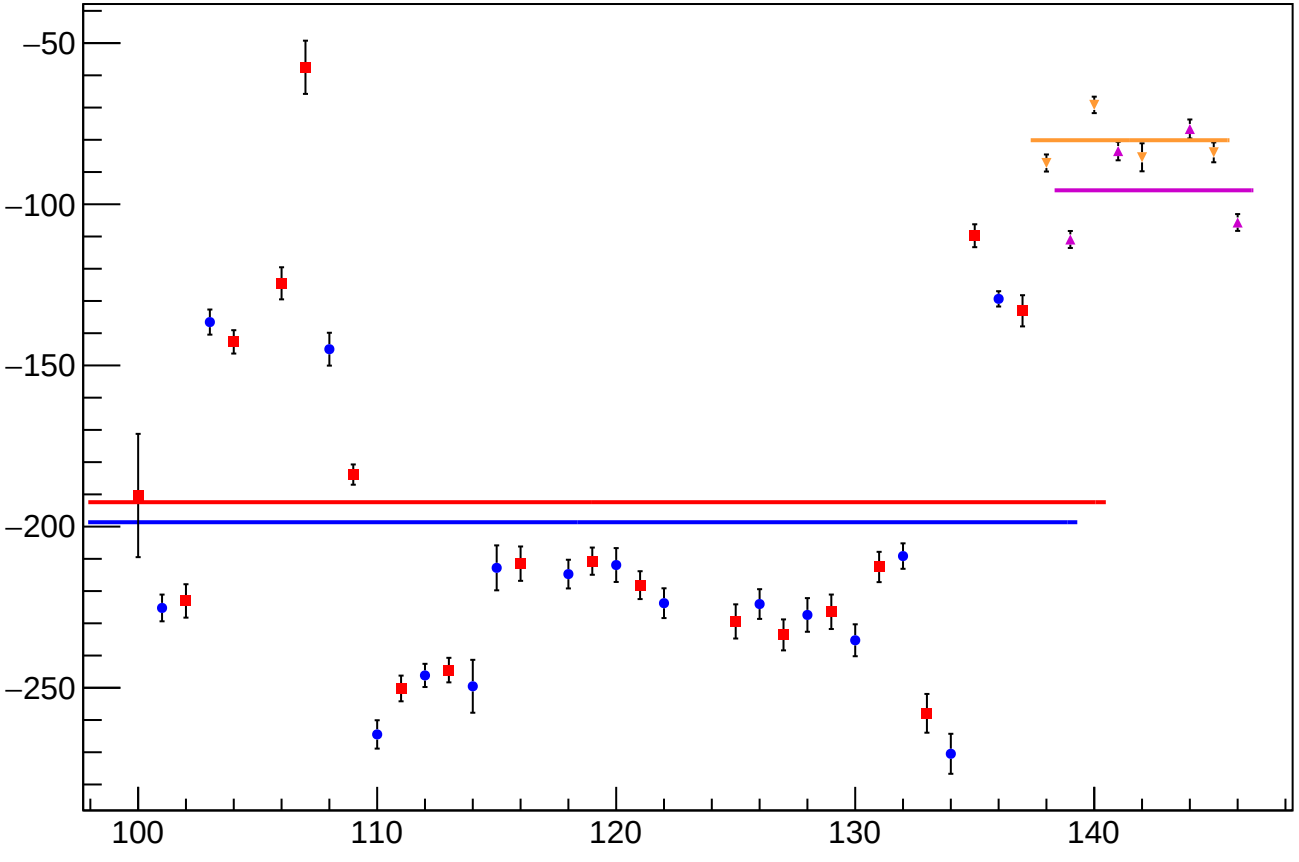
Left In: 4.348+/-1.034 χ^2/NDF:67.4/3

+ sign 8.876+/-0.788 χ^2/NDF: 196.6/19

All: 6.606+/-0.534 χ^2/NDF: 411.4/41

- sign 4.674+/-0.727 χ^2/NDF: 199.4/21

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: -80.133+/-1.484 χ^2/NDF:28.5/3

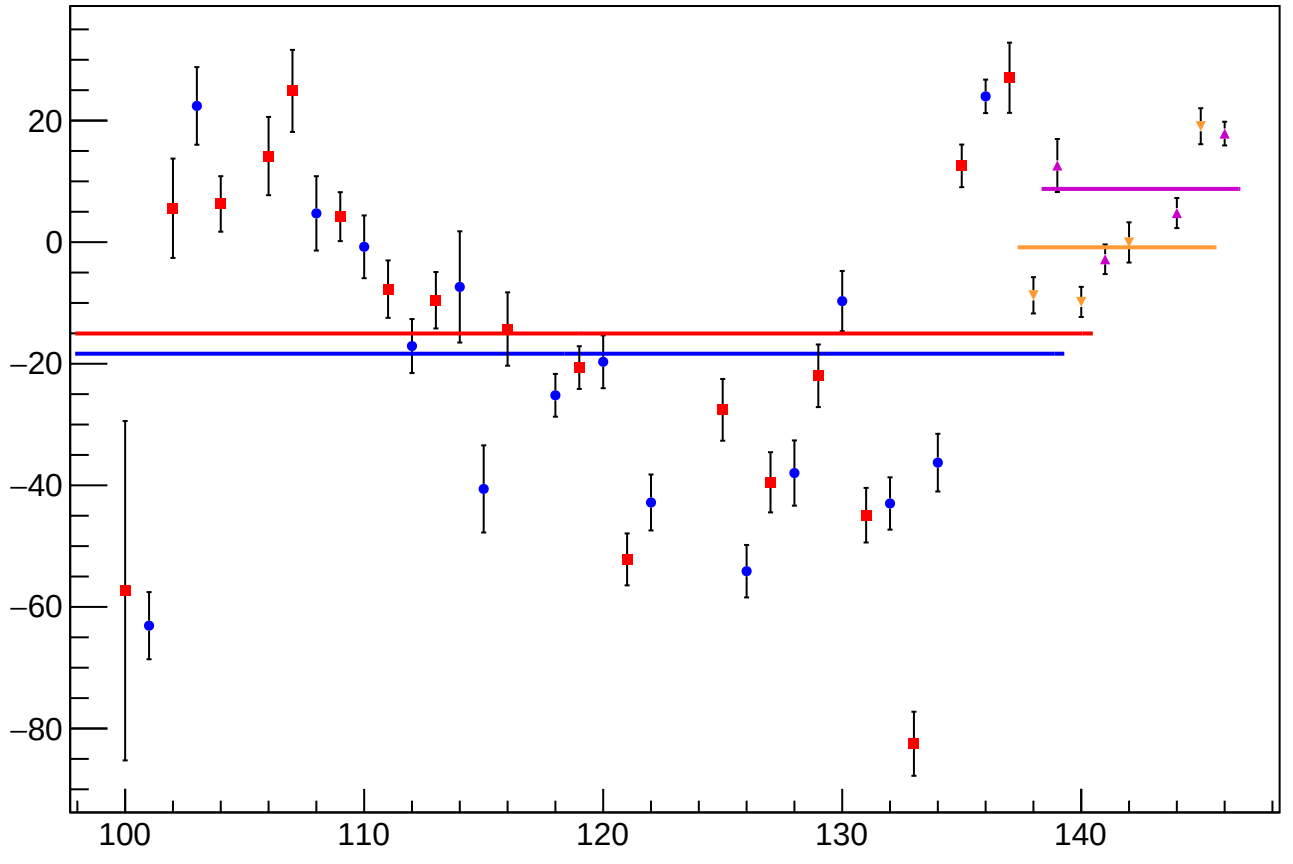
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -95.670+/-1.376 χ^2/NDF:107.9/3

+ sign -157.425+/-0.875 χ^2/NDF: 6192.3/19

All: -156.464+/-0.609 χ^2/NDF: 11501.4/41

- sign -155.558+/-0.849 χ^2/NDF: 5306.8/21



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -0.846+/-1.443 χ^2/NDF:65.4/3

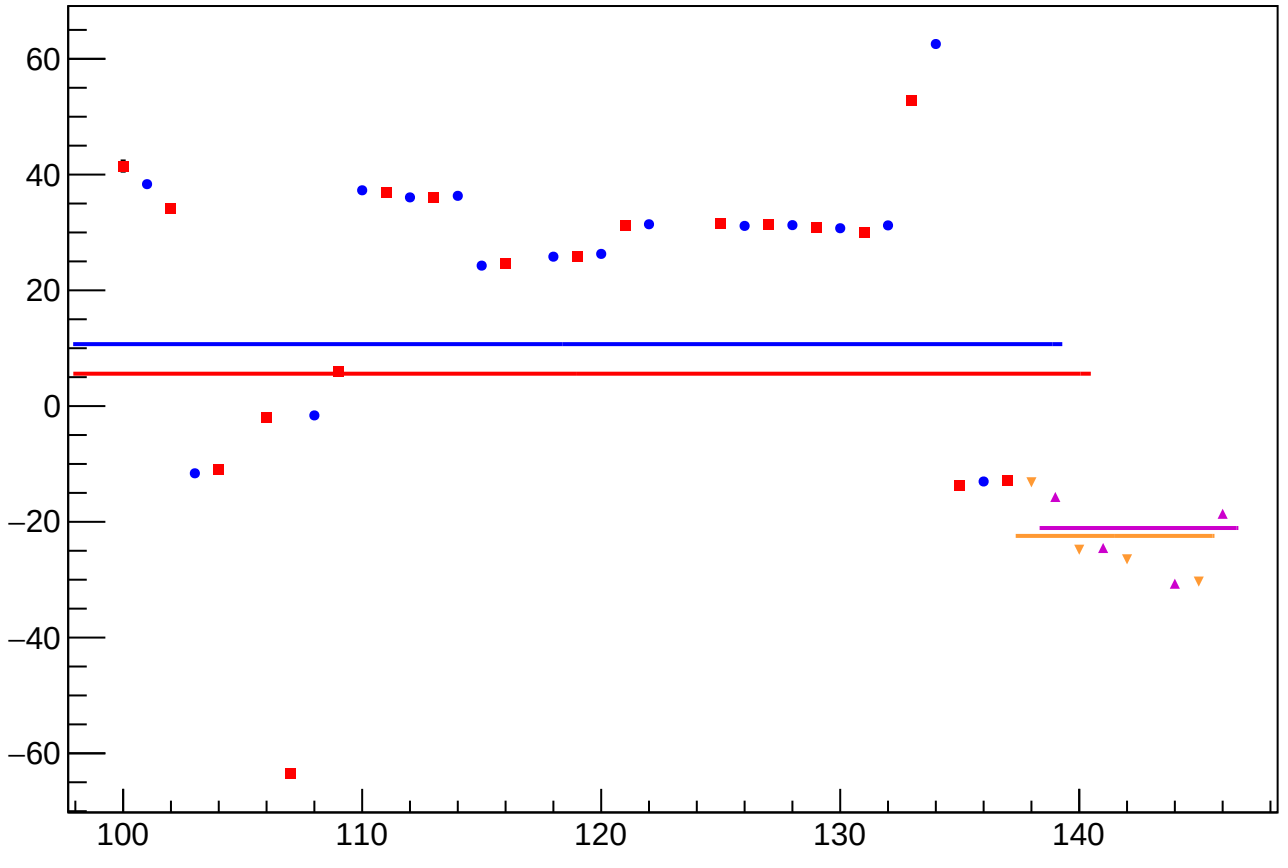
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 8.761+/-1.243 χ^2/NDF:47.7/3

+ sign -11.485+/-0.904 χ^2/NDF: 698.7/19

All: -7.474+/-0.619 χ^2/NDF: 1525.1/41

- sign -3.937+/-0.849 χ^2/NDF: 789.4/21



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -22.432+/-0.061 χ^2/NDF:13048.3/3

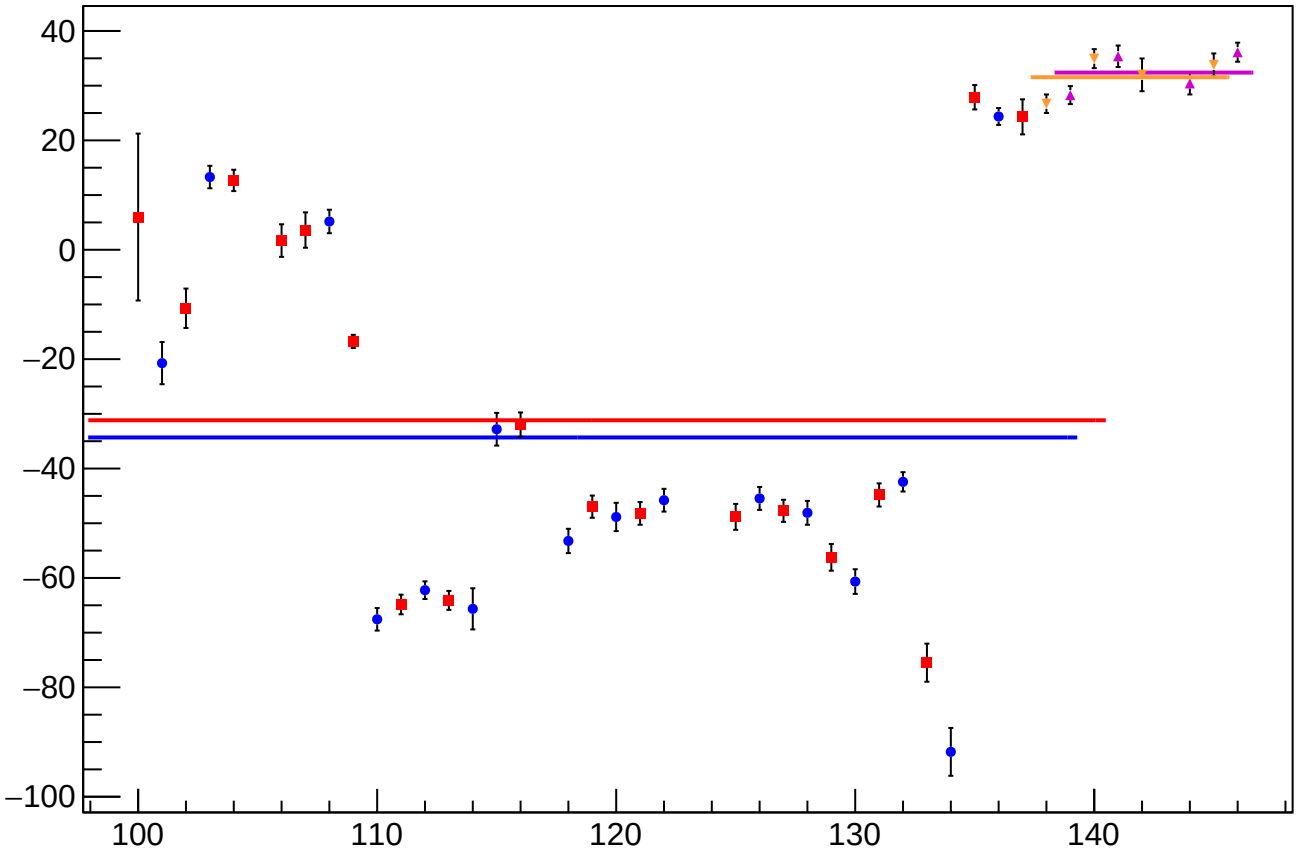
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -21.068+/-0.056 χ^2/NDF:9943.1/3

\+ sign -6.389+/-0.044 χ^2/NDF: 321054.2/19

All: -8.026+/-0.030 χ^2/NDF: 588249.5/41

\- sign -9.523+/-0.042 χ^2/NDF: 264517.2/21



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 31.542+/-0.989 χ^2/NDF:13.2/3

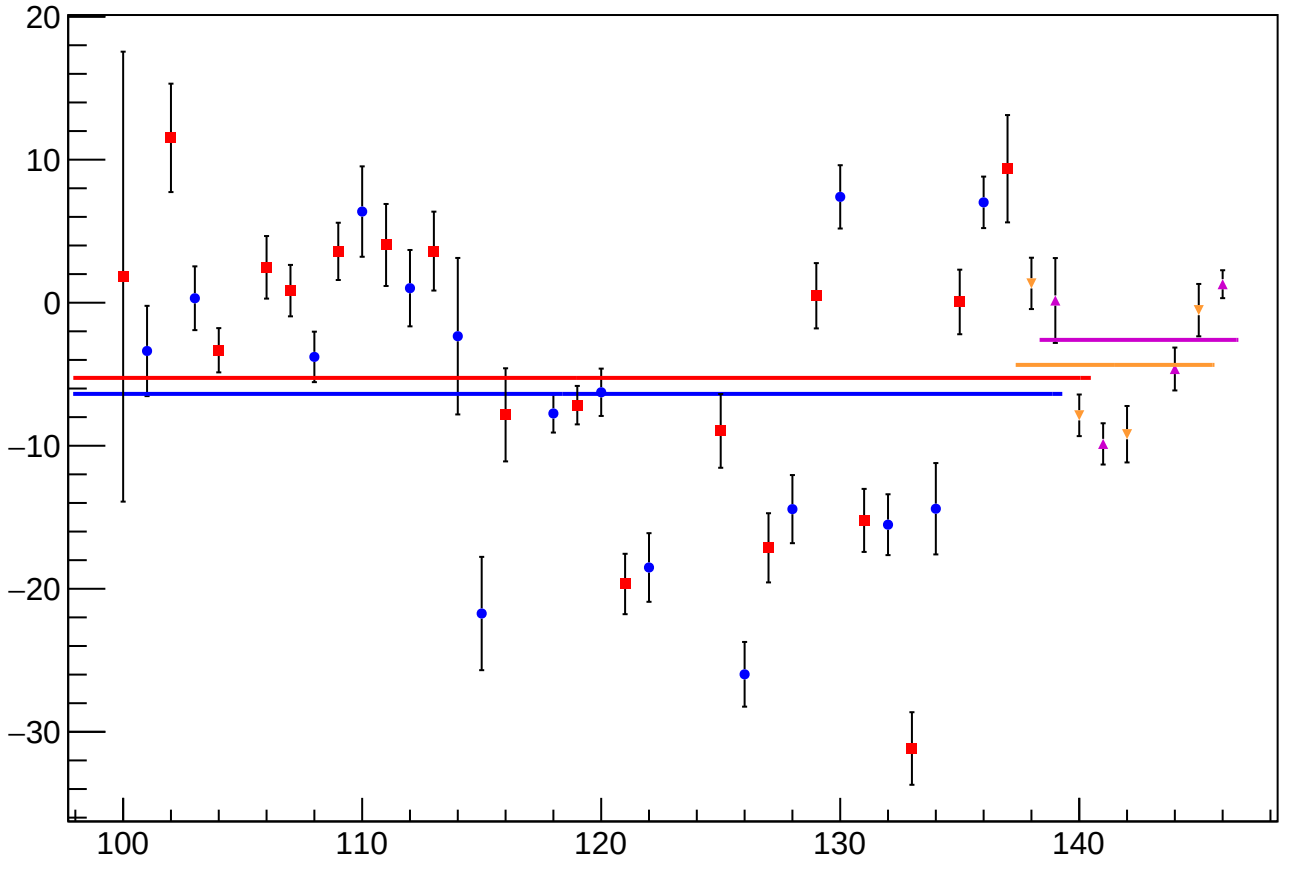
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.398+/-0.912 χ^2/NDF:14.1/3

+ sign -18.855+/-0.479 χ^2/NDF: 6906.6/19

All: -17.211+/-0.328 χ^2/NDF: 13825.7/41

- sign -15.768+/-0.449 χ^2/NDF: 6897.1/21



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -4.347+/-0.864 χ^2/NDF:26.4/3

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

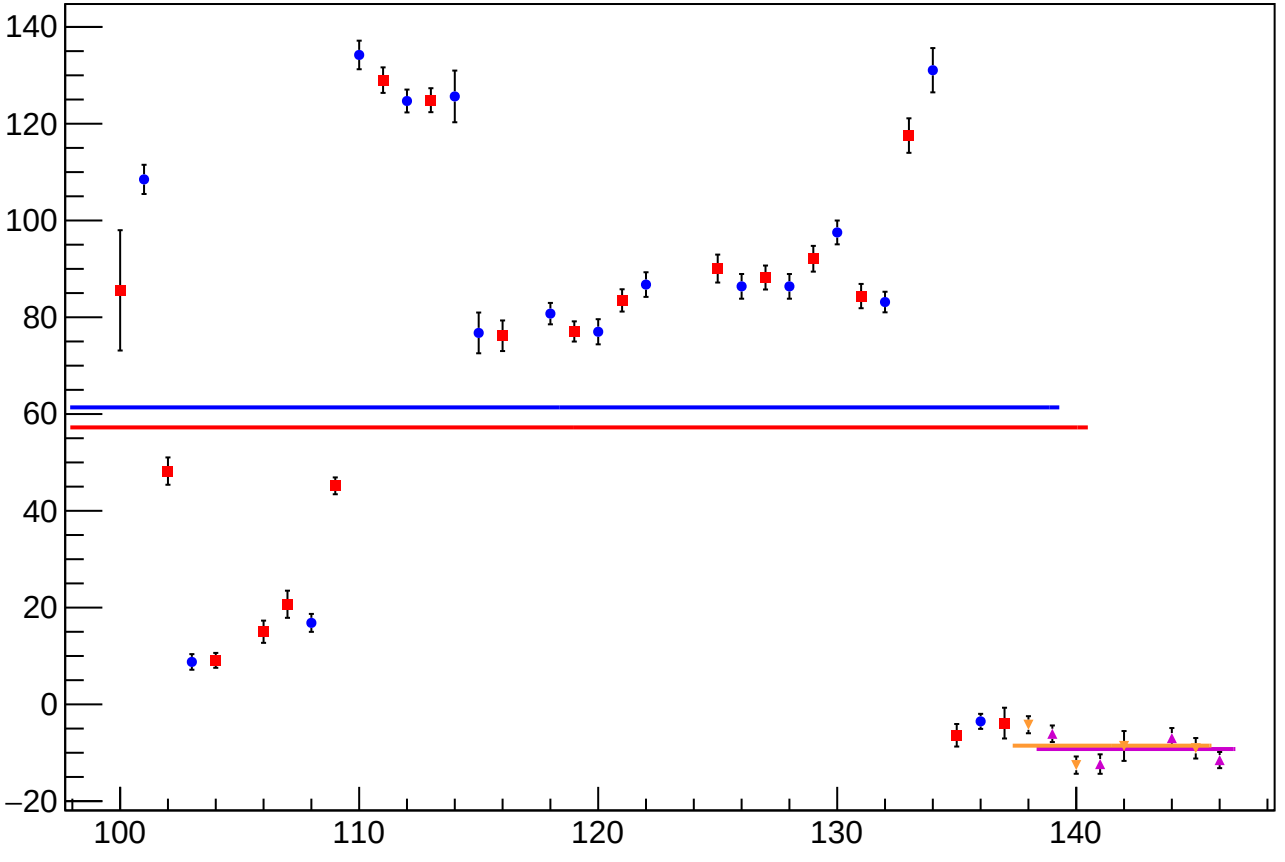
Left In: -2.599+/-0.692 χ^2/NDF:44.0/3

\+ sign -5.785+/-0.466 χ^2/NDF: 313.9/19

All: -4.951+/-0.313 χ^2/NDF: 685.9/41

\- sign -4.268+/-0.422 χ^2/NDF: 366.2/21

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: -8.533+/-1.019 χ^2/NDF:11.1/3

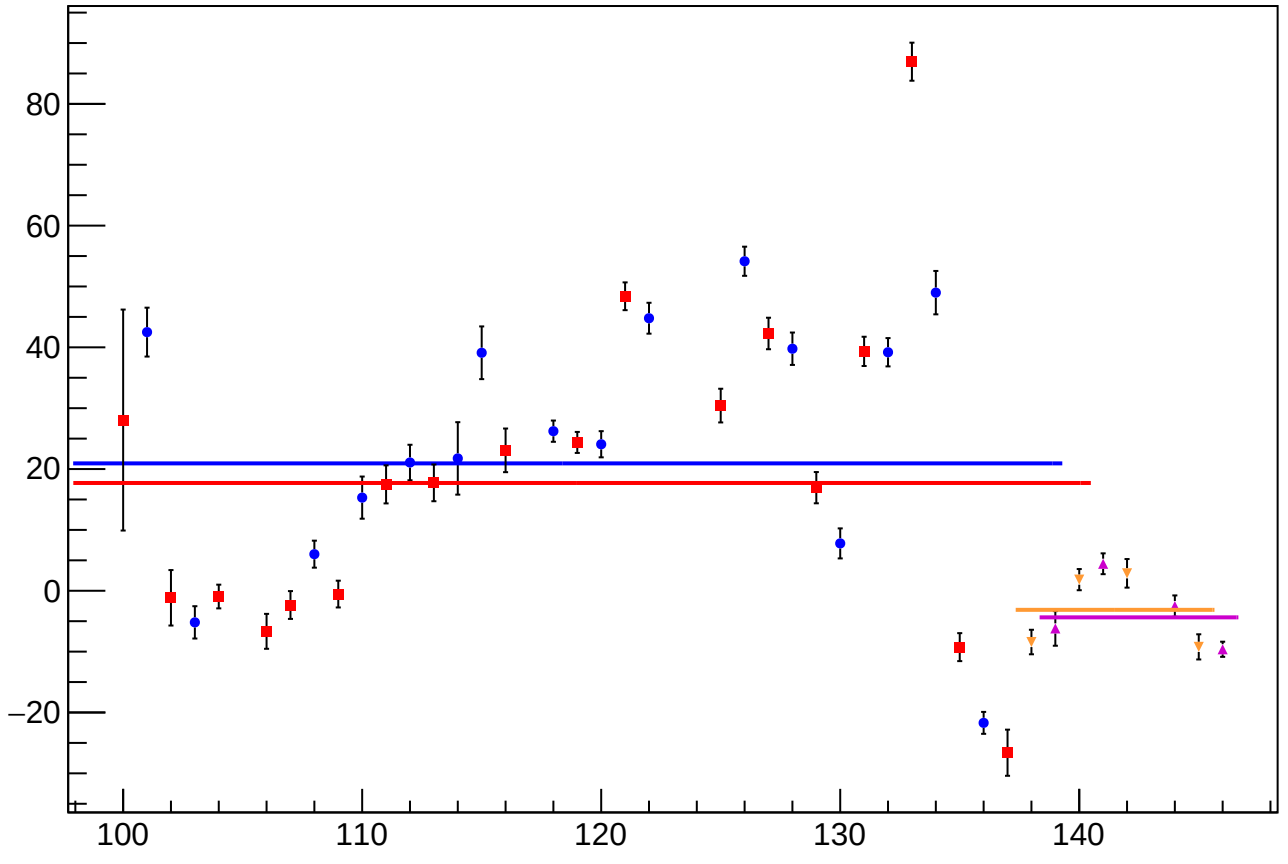
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.227+/-0.922 χ^2/NDF:8.8/3

+ sign 43.643+/-0.513 χ^2/NDF: 9588.1/19

All: 40.898+/-0.355 χ^2/NDF: 18641.7/41

- sign 38.387+/-0.491 χ^2/NDF: 8998.9/21



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -3.134+/-1.004 χ^2/NDF:30.2/3

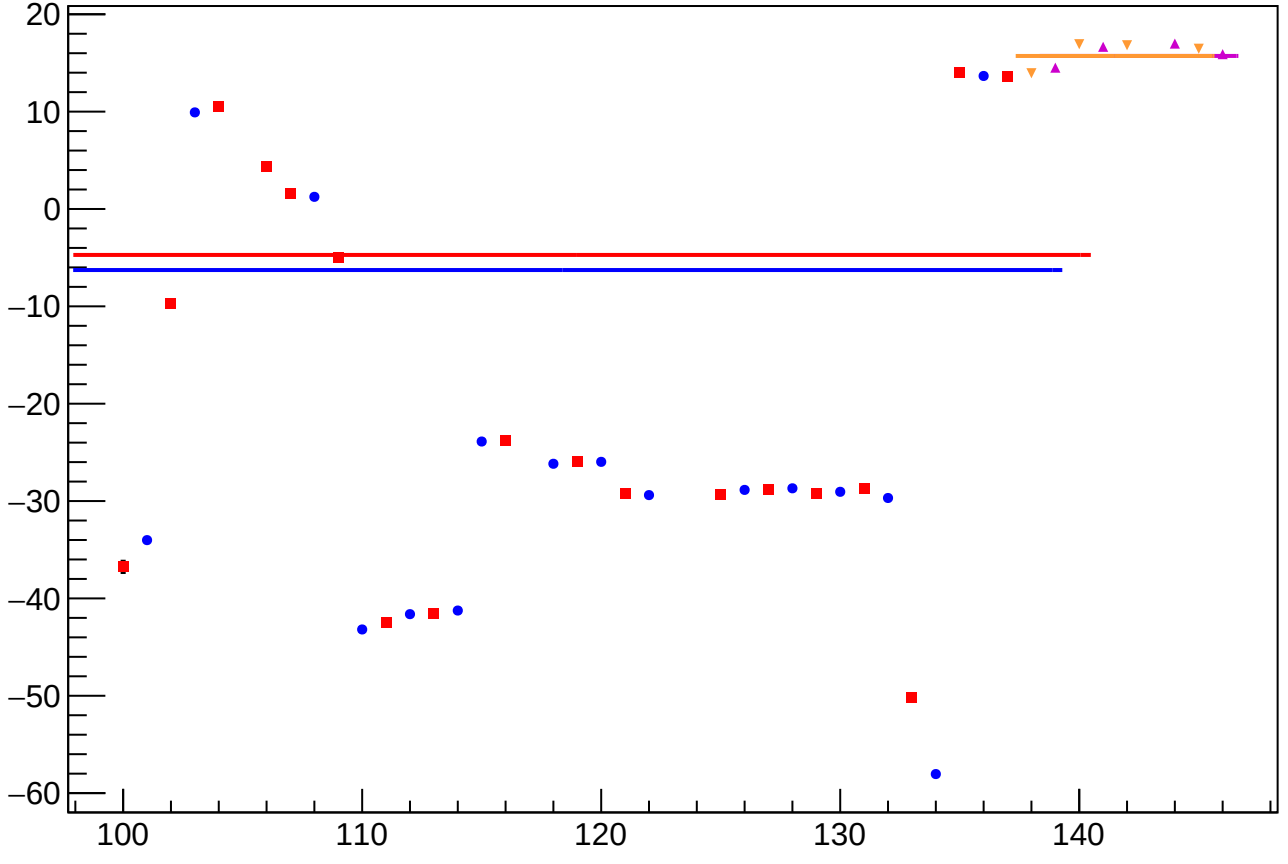
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -4.369+/-0.834 χ^2/NDF:45.8/3

\+ sign 13.978+/-0.540 χ^2/NDF: 1683.9/19

All: 11.763+/-0.366 χ^2/NDF: 3694.9/41

\- sign 9.888+/-0.497 χ^2/NDF: 1979.8/21



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.717+/-0.042 χ^2/NDF:1043.5/3

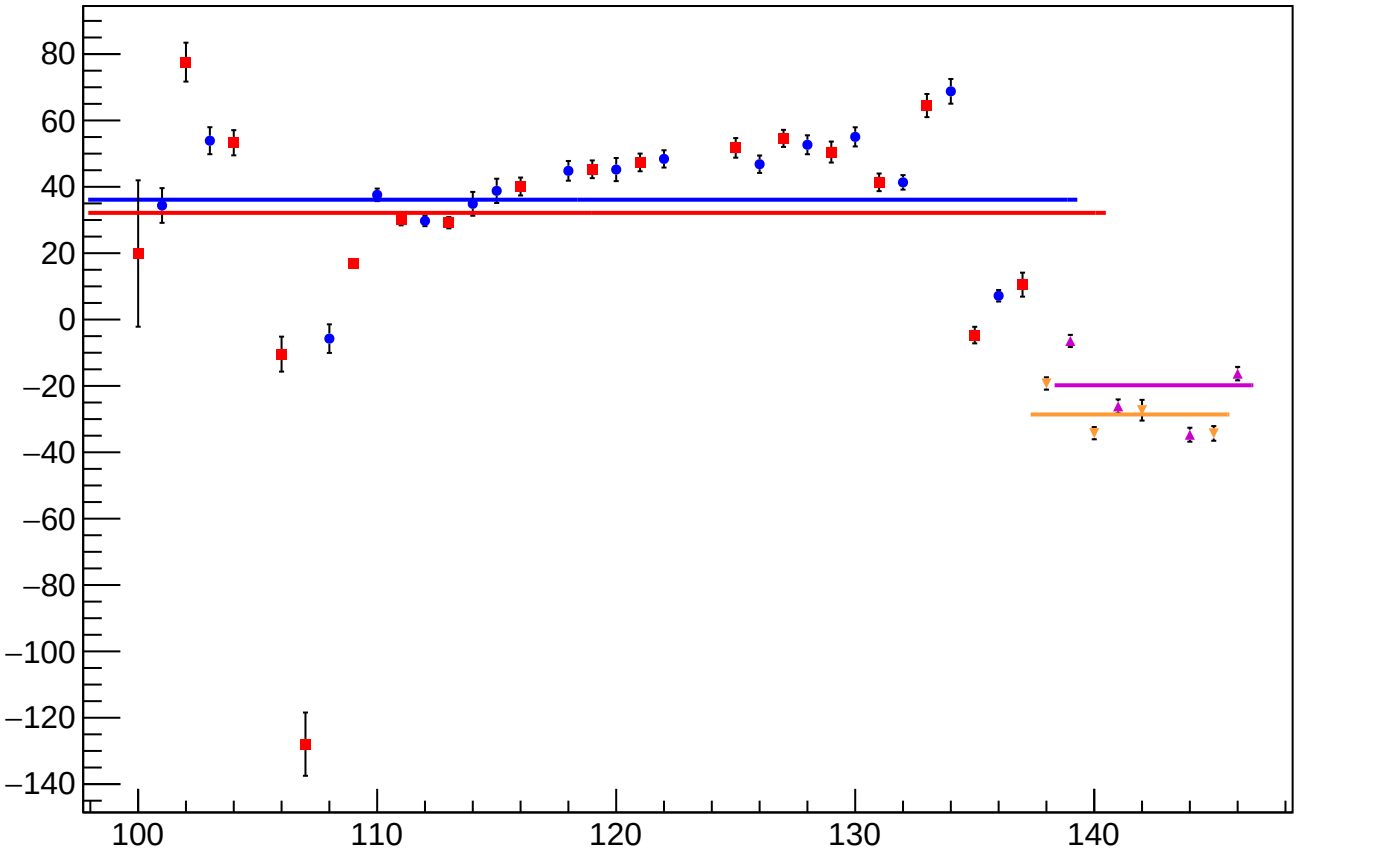
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.720+/-0.037 χ^2/NDF:709.8/3

+ sign 2.326+/-0.026 χ^2/NDF: 580802.9/19

All: 3.468+/-0.018 χ^2/NDF: 1058108.9/41

- sign 4.512+/-0.025 χ^2/NDF: 473639.2/21



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -28.607+/-1.063 χ^2/NDF:41.1/3

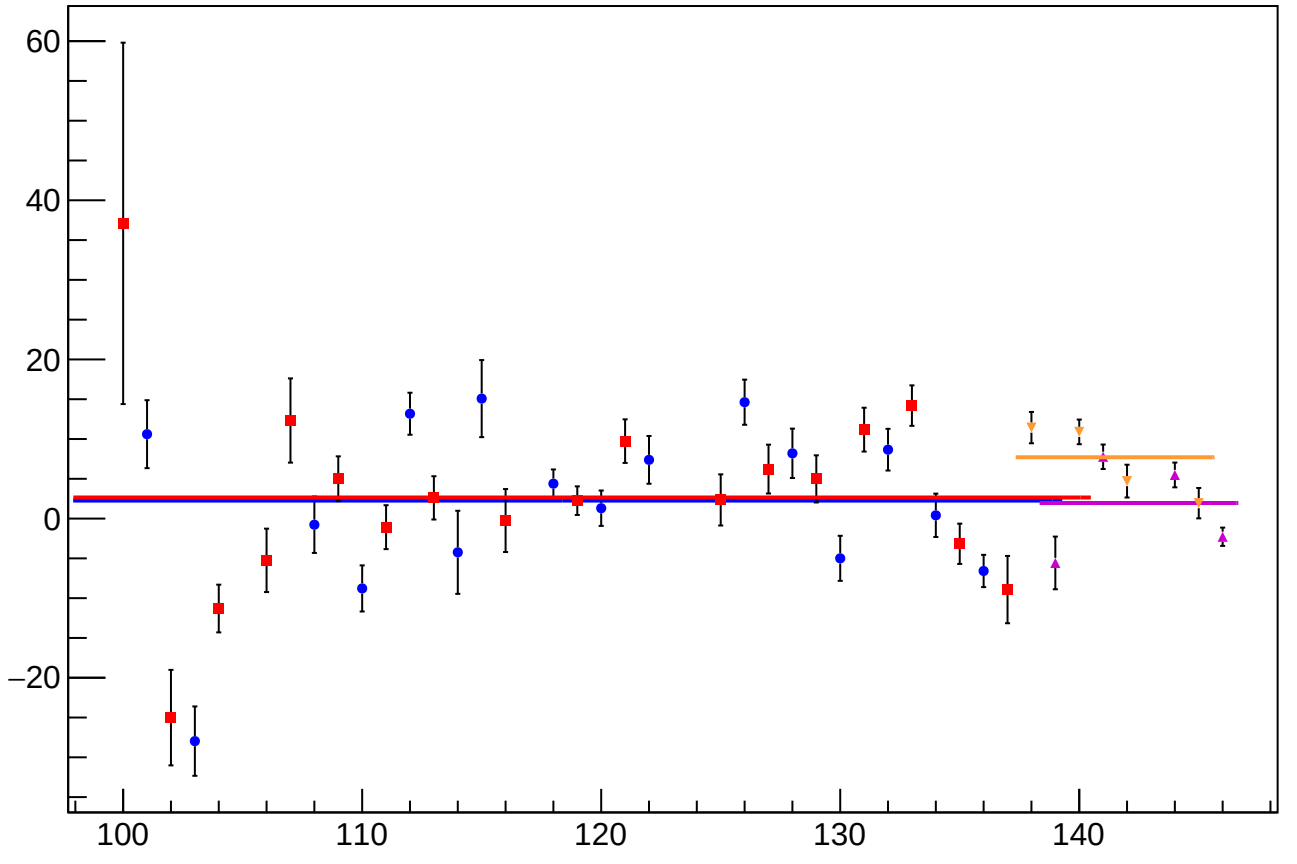
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.807+/-1.003 χ^2/NDF:115.3/3

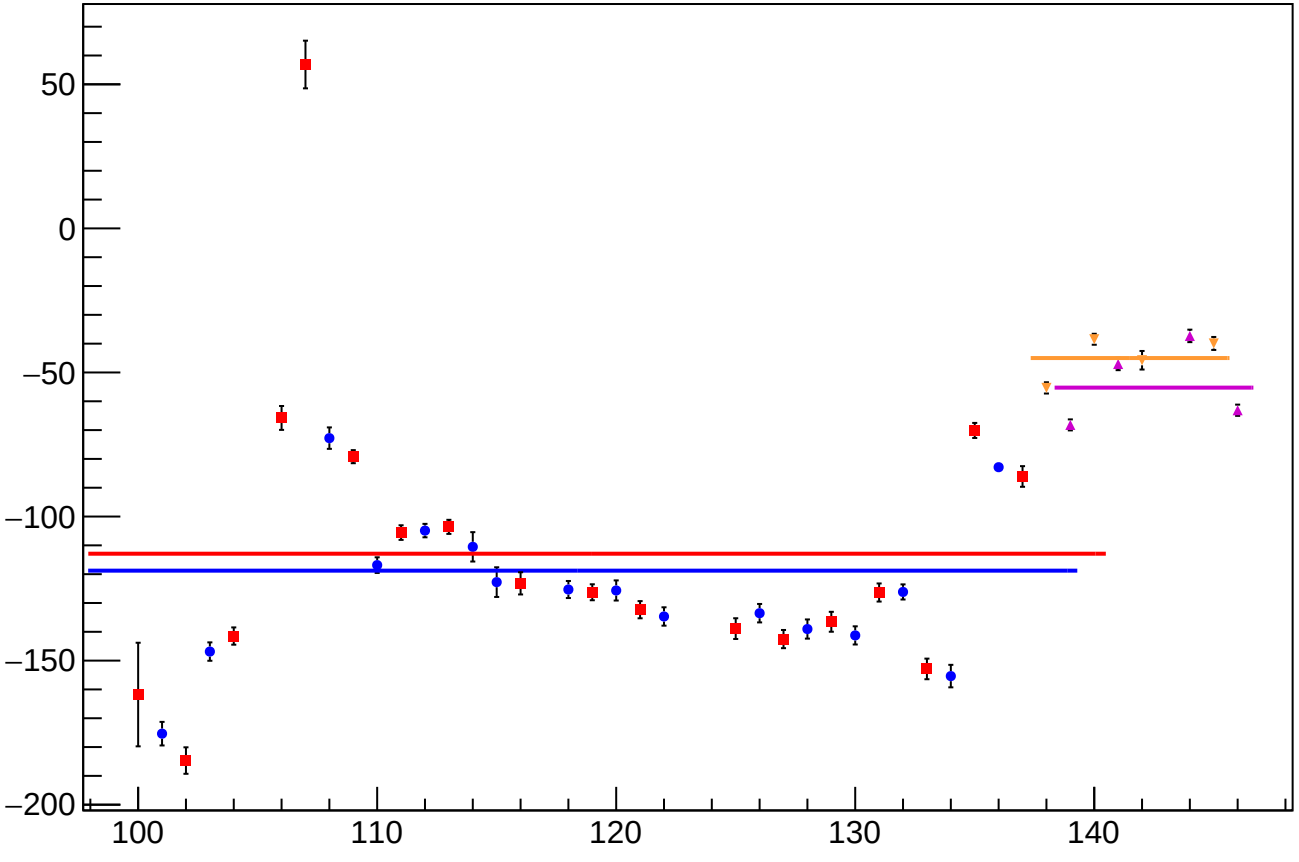
\+ sign 18.245+/-0.558 χ^2/NDF: 3348.6/19

All: 17.823+/-0.386 χ^2/NDF: 6501.9/41

\- sign 17.437+/-0.534 χ^2/NDF: 3152.2/21


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: 7.707+/-0.918 χ²/NDF:19.1/3
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: 1.960+/-0.770 χ²/NDF:38.2/3
+ sign 4.270+/-0.557 χ²/NDF: 193.3/19
All: 3.241+/-0.382 χ²/NDF: 345.5/41
- sign 2.331+/-0.524 χ²/NDF: 145.9/21

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -44.996+/-1.096 χ^2/NDF:45.1/3

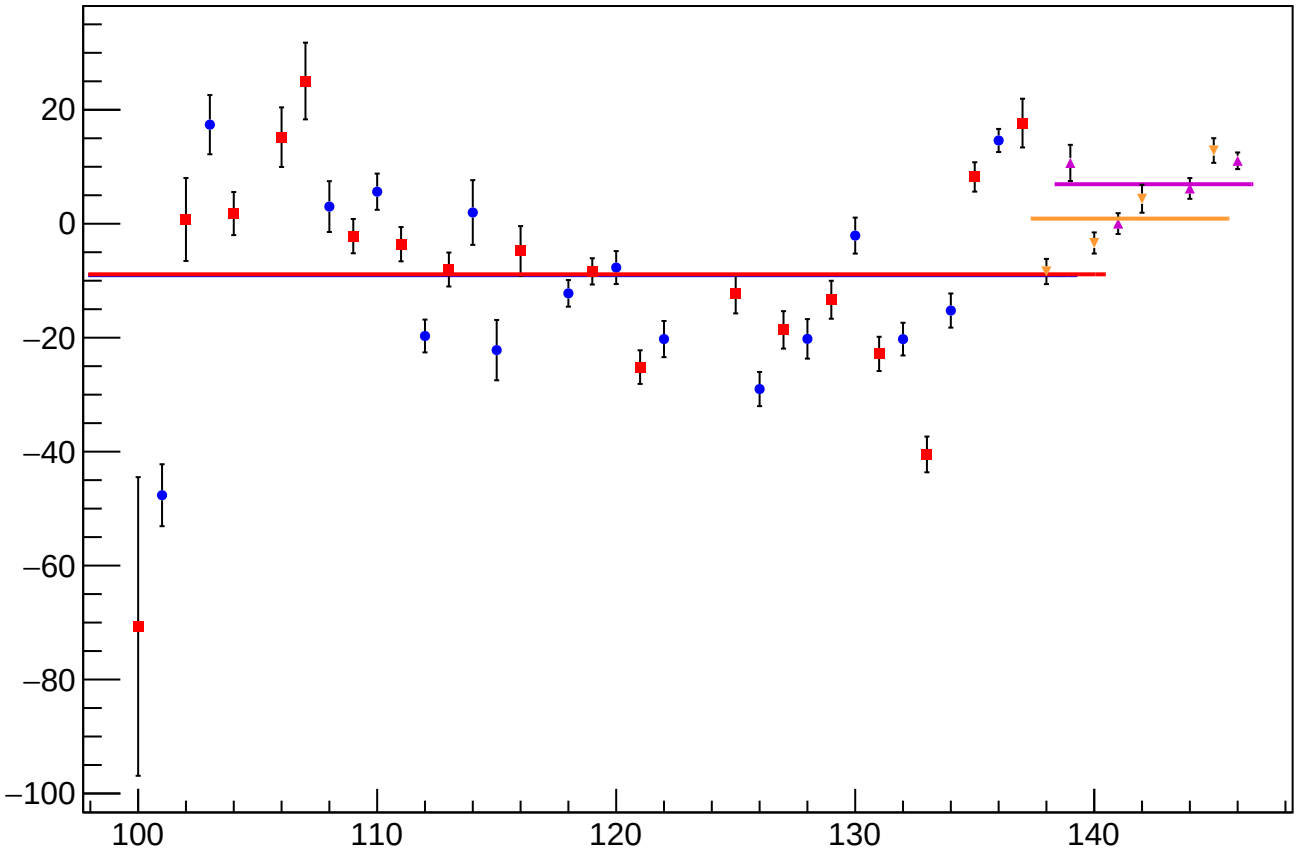
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -55.261+/-1.017 χ^2/NDF:145.3/3

\+ sign -94.958+/-0.623 χ^2/NDF: 4232.9/19

All: -93.554+/-0.436 χ^2/NDF: 8310.3/41

\- sign -92.210+/-0.609 χ^2/NDF: 4067.5/21



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 0.898+/-1.069 χ^2/NDF:55.5/3

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

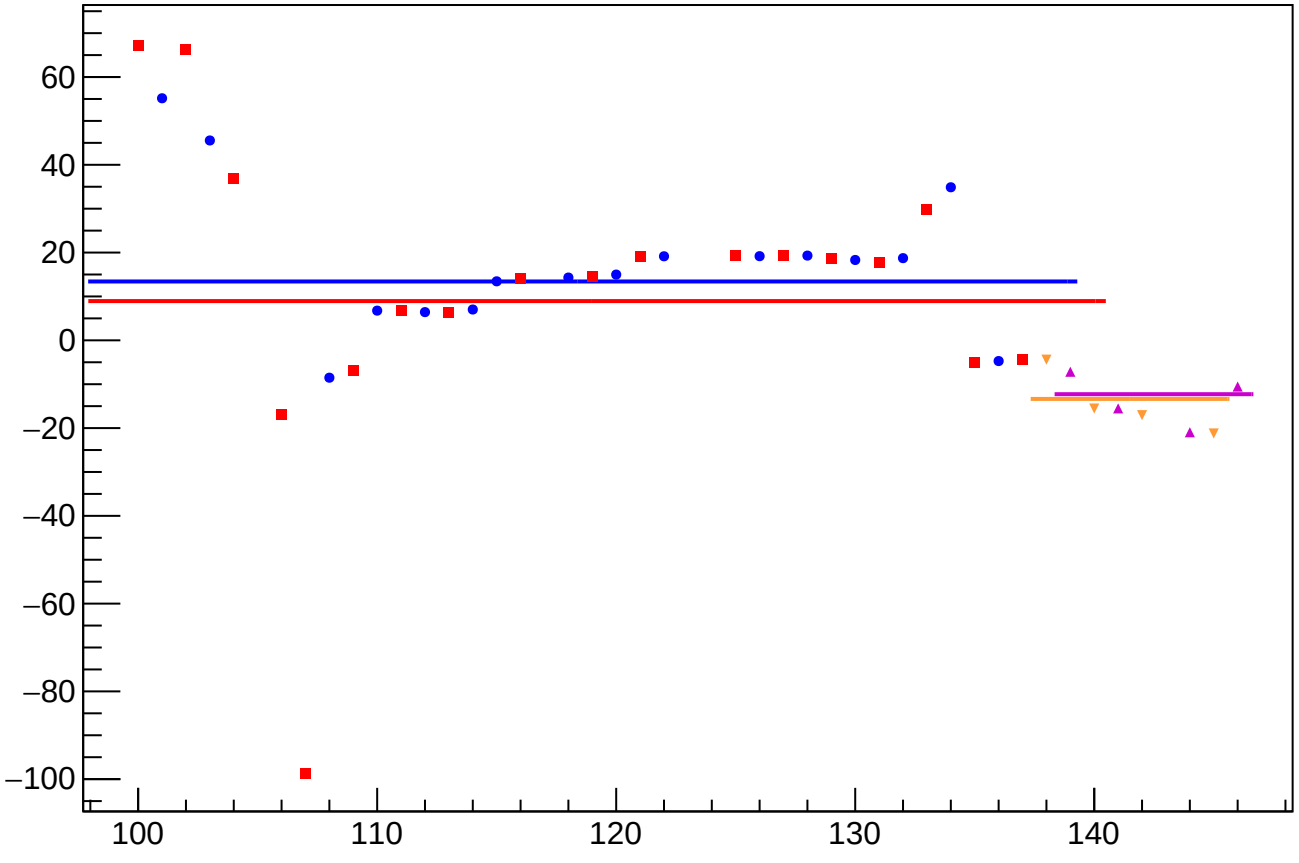
Left In: 6.937+/-0.925 χ^2/NDF:23.8/3

+ sign -5.485+/-0.638 χ^2/NDF: 468.9/19

All: -3.666+/-0.441 χ^2/NDF: 992.4/41

- sign -2.007+/-0.609 χ^2/NDF: 508.0/21

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: -13.351+/-0.045 χ^2/NDF:22924.6/3

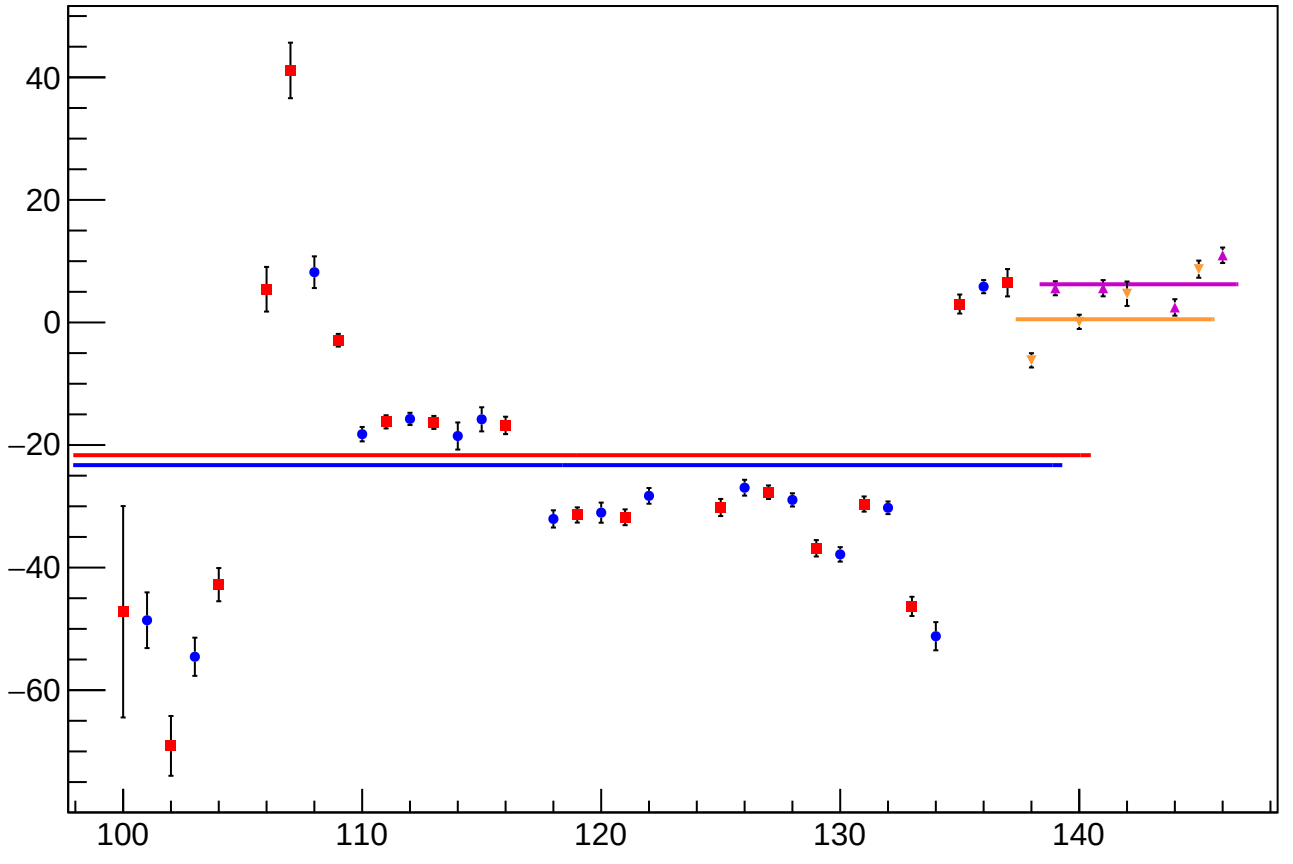
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -12.275+/-0.041 χ^2/NDF:15425.7/3

+ sign -0.072+/-0.032 χ^2/NDF: 382635.4/19

All: -1.674+/-0.022 χ^2/NDF: 808661.9/41

- sign -3.188+/-0.031 χ^2/NDF: 421121.7/21



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 0.518+/-0.669 χ^2/NDF:71.6/3

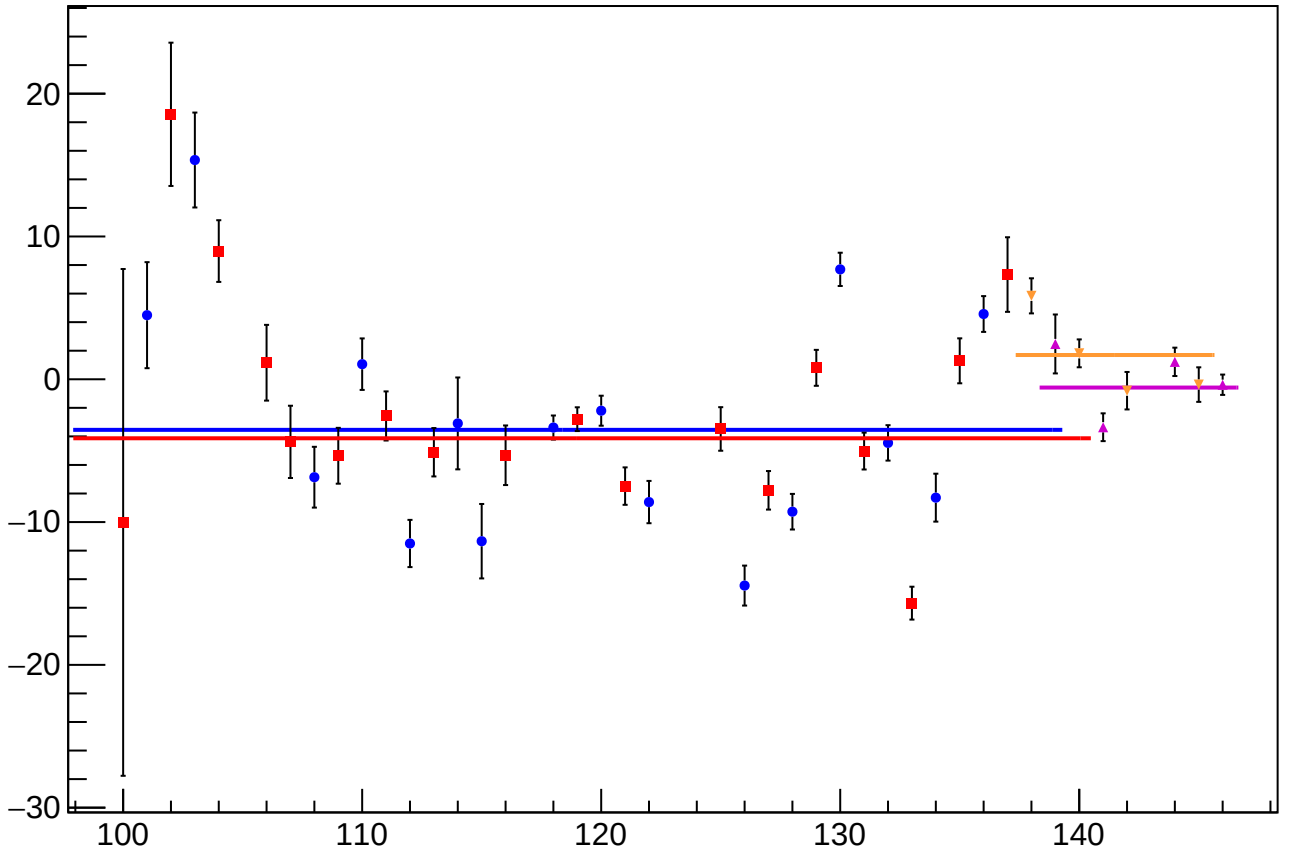
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.231+/-0.631 χ^2/NDF:22.5/3

\+ sign -18.162+/-0.310 χ^2/NDF: 2631.7/19

All: -16.634+/-0.217 χ^2/NDF: 6016.5/41

\- sign -15.166+/-0.304 χ^2/NDF: 3337.3/21



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 1.699+/-0.580 χ^2/NDF:17.9/3

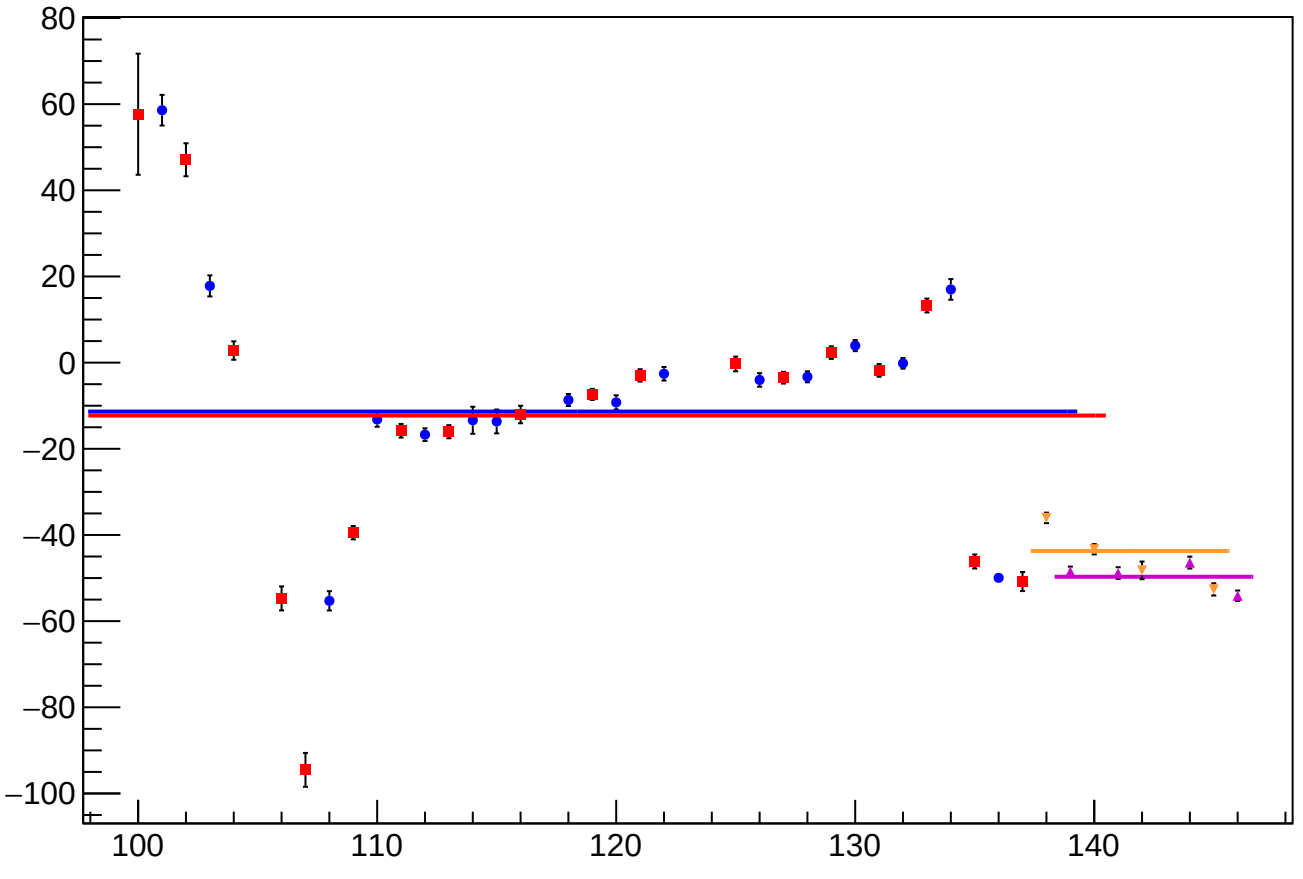
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.580+/-0.483 χ^2/NDF:13.7/3

+ sign -2.068+/-0.307 χ^2/NDF: 393.4/19

All: -2.459+/-0.213 χ^2/NDF: 671.7/41

- sign -2.817+/-0.294 χ^2/NDF: 275.2/21



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -43.722+/-0.690 χ^2/NDF:83.9/3

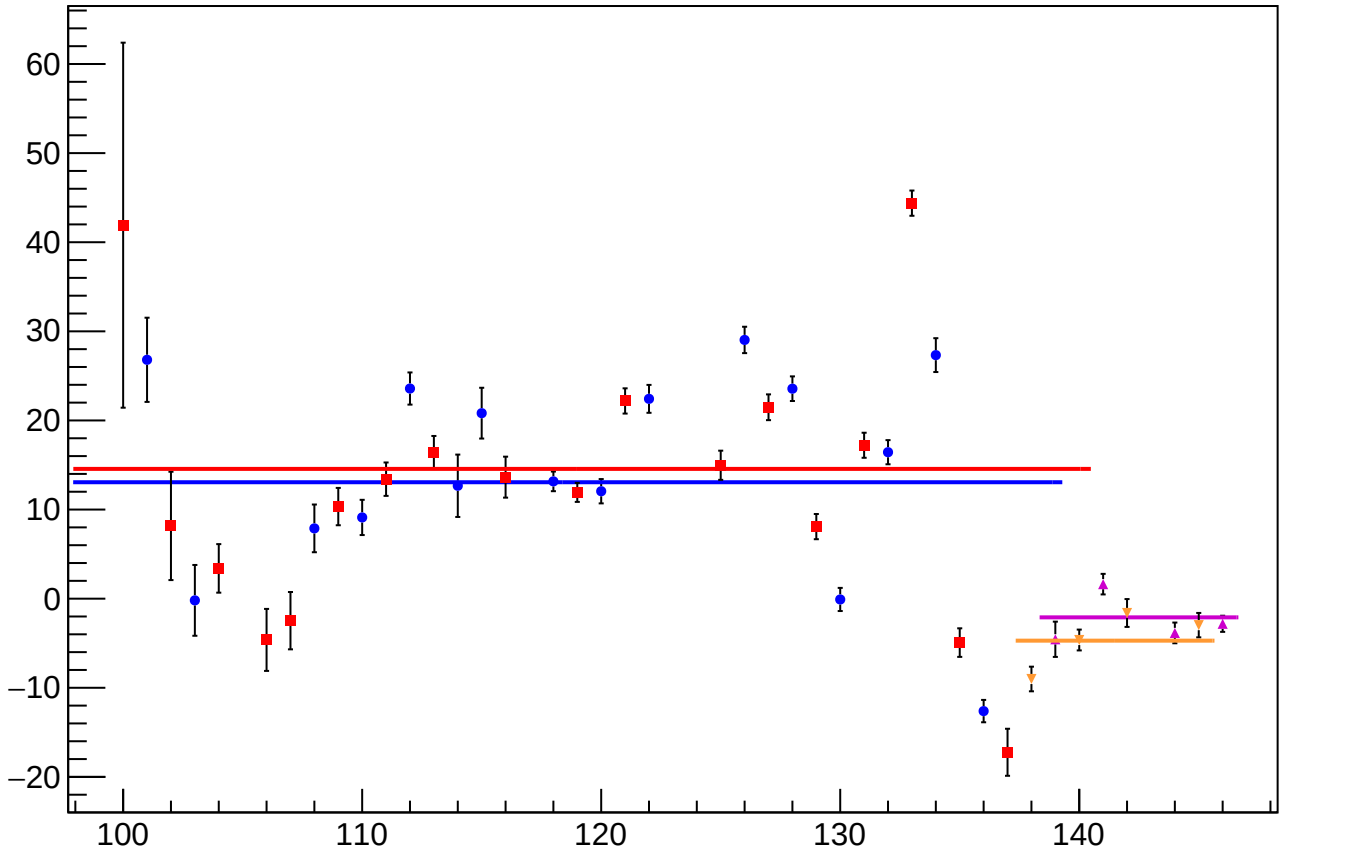
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.698+/-0.639 χ^2/NDF:20.2/3

+ sign -19.663+/-0.350 χ^2/NDF: 4379.5/19

All: -21.505+/-0.246 χ^2/NDF: 9464.5/41

- sign -23.317+/-0.347 χ^2/NDF: 5029.9/21



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.711+/-0.674 χ^2/NDF:15.2/3

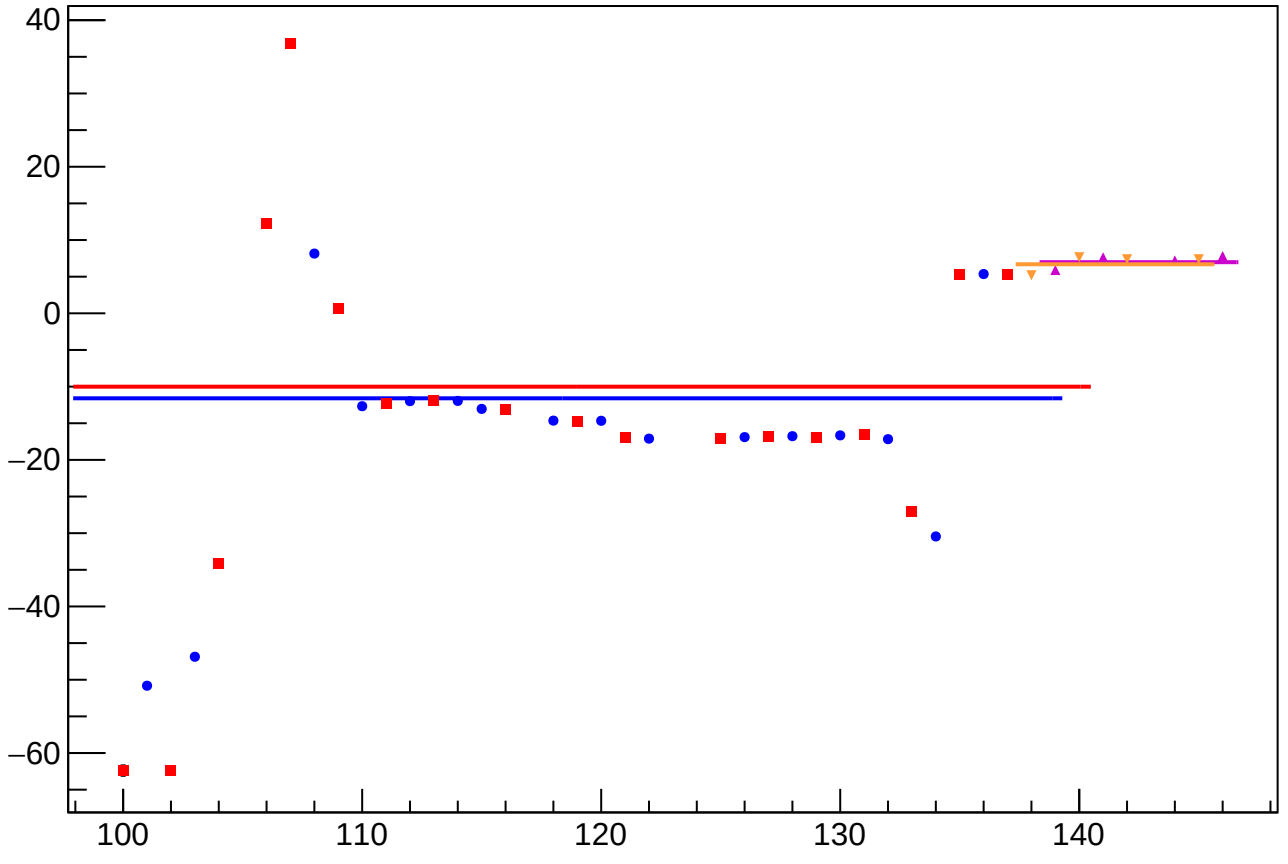
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.097+/-0.581 χ^2/NDF:14.9/3

+ sign 8.189+/-0.353 χ^2/NDF: 1382.7/19

All: 8.503+/-0.246 χ^2/NDF: 2840.4/41

- sign 8.797+/-0.342 χ^2/NDF: 1456.2/21



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.693+/-0.028 χ^2/NDF:1524.5/3

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

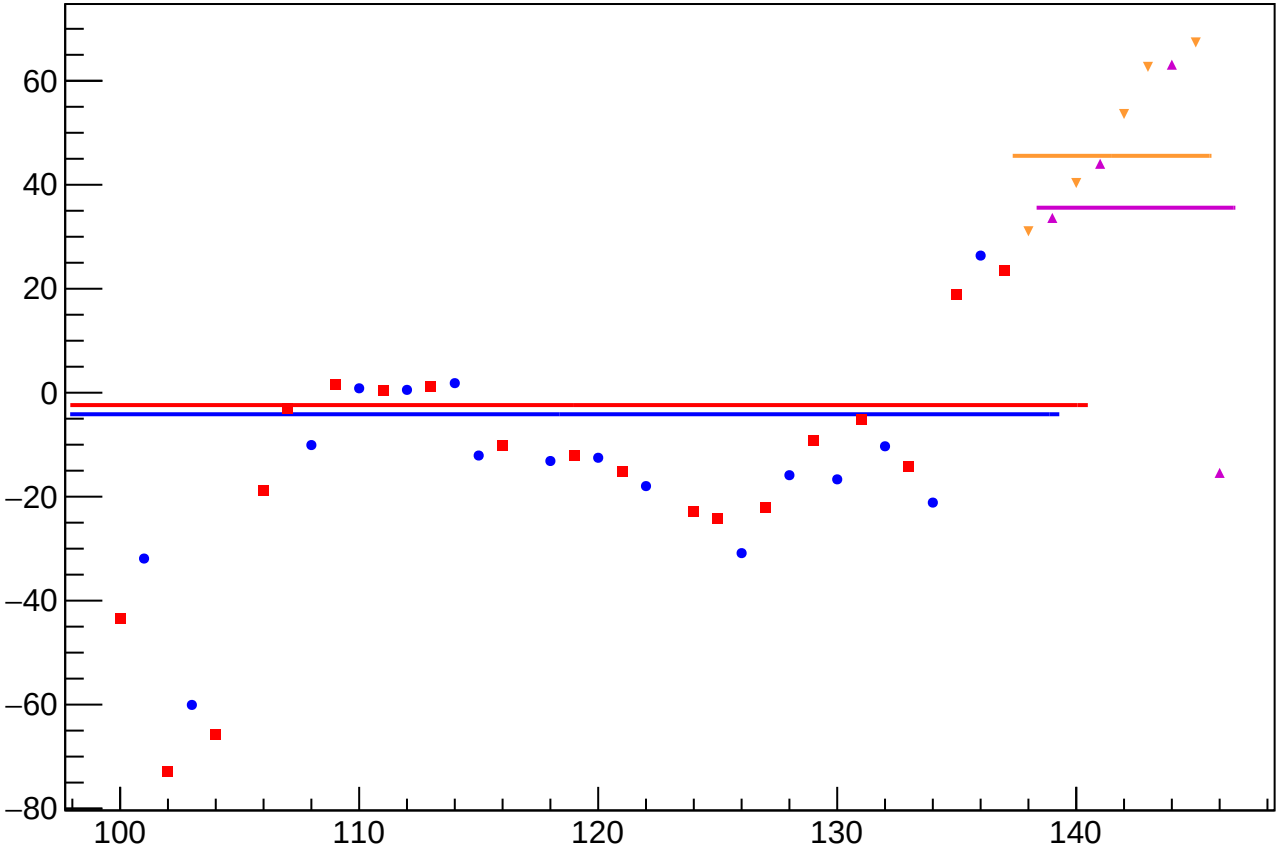
Left In: 6.977+/-0.026 χ^2/NDF:1037.4/3

+ sign -3.116+/-0.019 χ^2/NDF: 586088.6/19

All: -2.017+/-0.013 χ^2/NDF: 1193586.9/41

- sign -0.974+/-0.019 χ^2/NDF: 601160.4/21

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 45.568+/-0.116 χ^2/NDF:13958.1/4

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

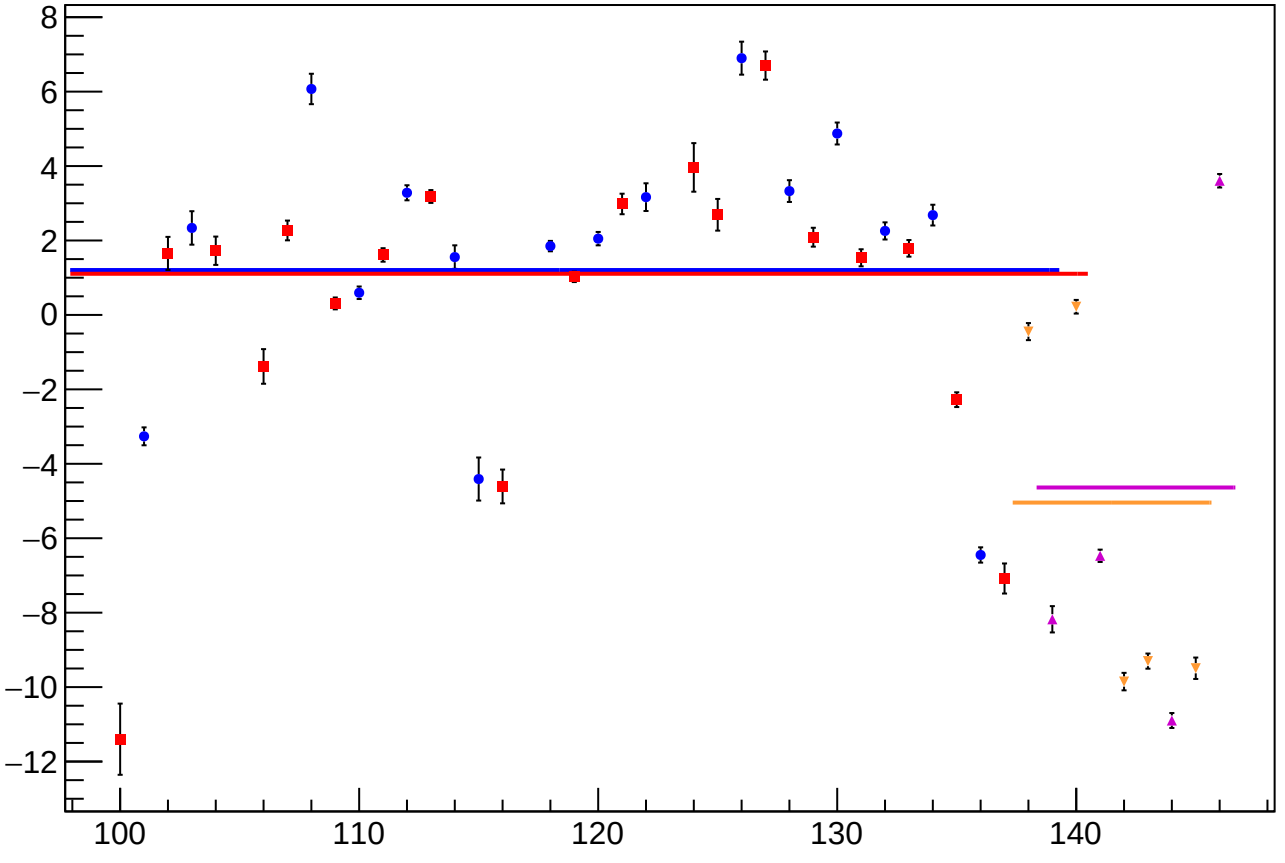
Left In: 35.587+/-0.121 χ^2/NDF:36502.8/3

+ sign 4.860+/-0.049 χ^2/NDF: 238942.8/20

All: 3.492+/-0.032 χ^2/NDF: 443801.2/43

- sign 2.454+/-0.043 χ^2/NDF: 203514.0/22

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -5.042+/-0.098 χ^2/NDF:2321.6/4

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

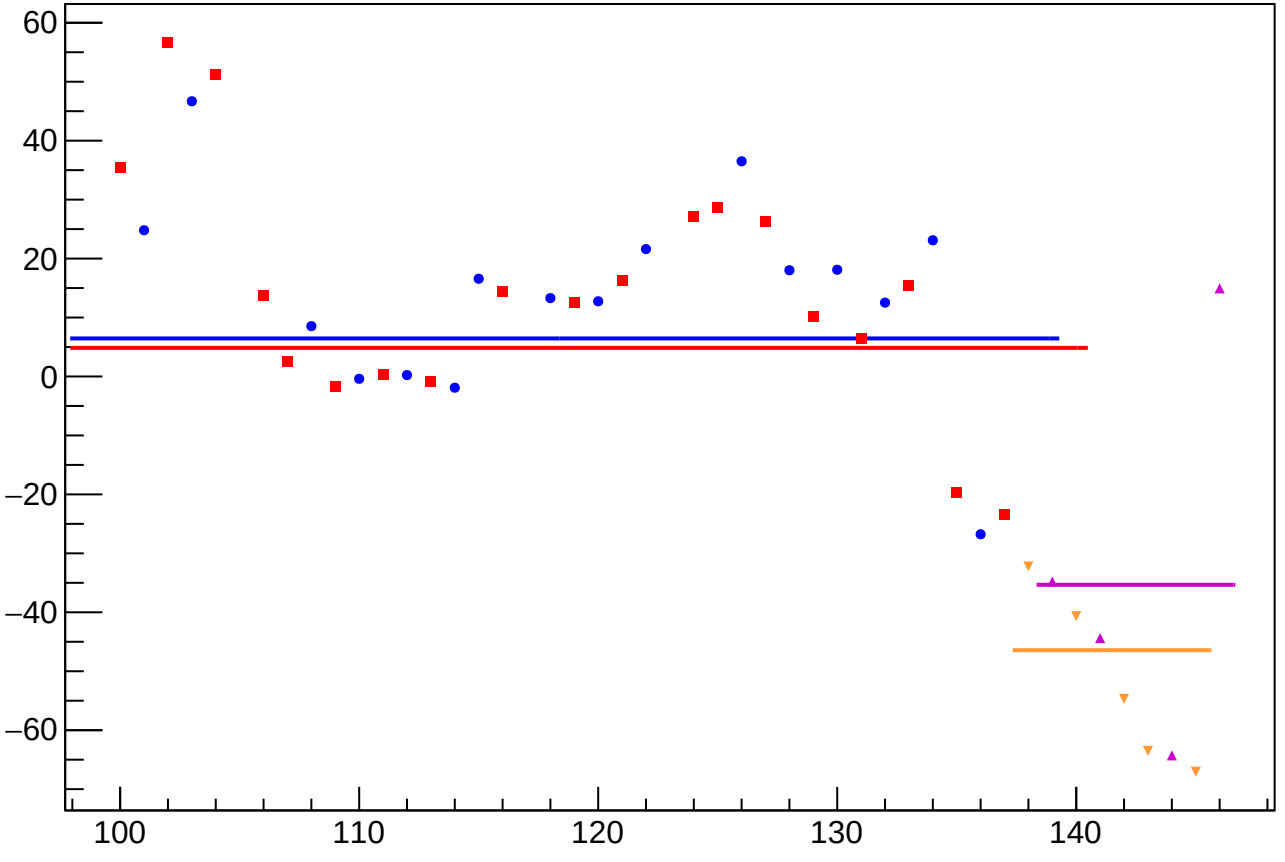
Left In: -4.637+/-0.100 χ^2/NDF:3251.8/3

+ sign -0.503+/-0.052 χ^2/NDF: 7830.0/20

All: -0.400+/-0.036 χ^2/NDF: 15150.5/43

- sign -0.305+/-0.050 χ^2/NDF: 7312.9/22

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -46.427+/-0.120 χ^2/NDF:12578.4/4

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

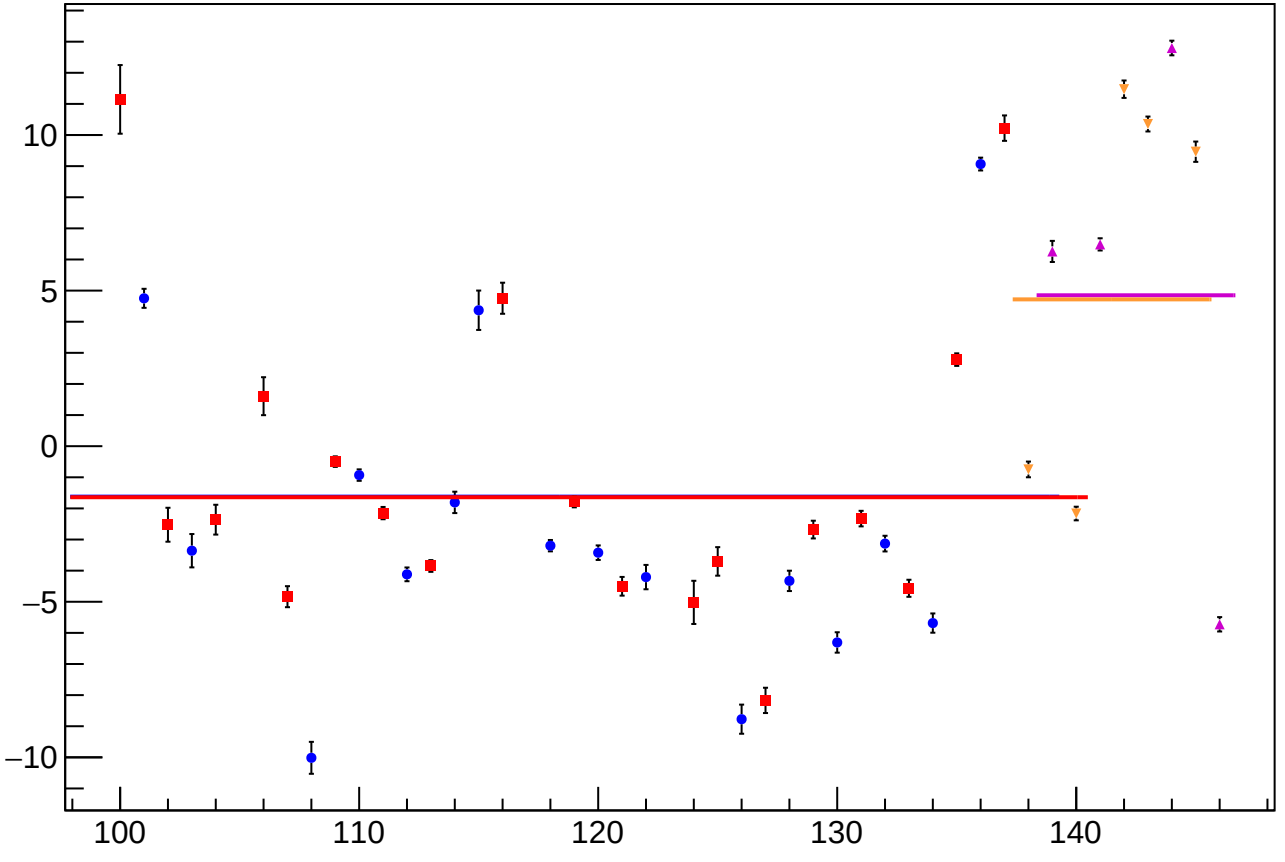
Left In: -35.335+/-0.123 χ^2/NDF:38524.7/3

+ sign -5.574+/-0.057 χ^2/NDF: 232801.3/20

All: -4.011+/-0.039 χ^2/NDF: 434239.3/43

- sign -2.657+/-0.053 χ^2/NDF: 200049.9/22

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 4.718+/-0.115 χ^2/NDF:2800.4/4

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

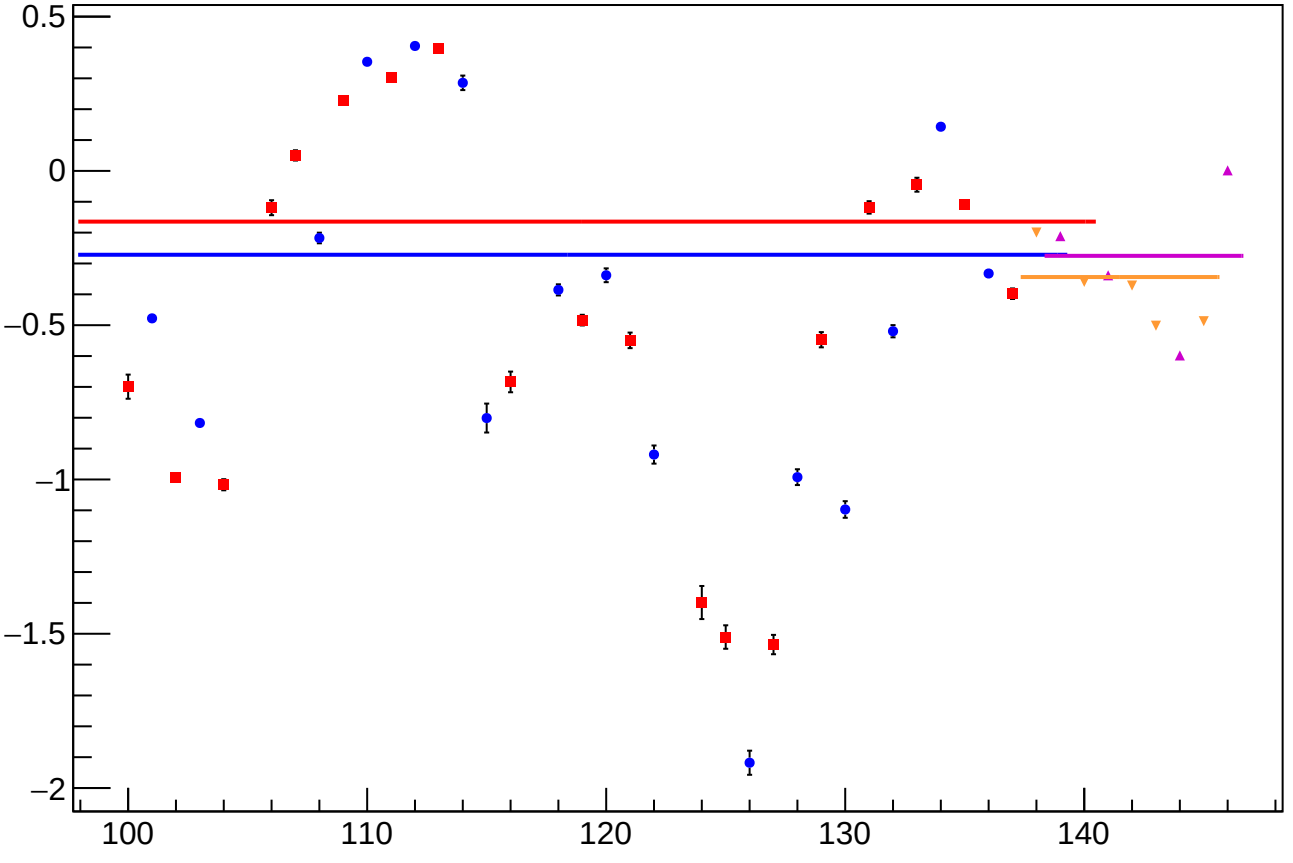
Left In: 4.850+/-0.118 χ^2/NDF:3319.4/3

+ sign 0.084+/-0.059 χ^2/NDF: 9559.1/20

All: -0.040+/-0.041 χ^2/NDF: 17665.5/43

- sign -0.152+/-0.057 χ^2/NDF: 8098.2/22

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.344+/-0.005 χ^2/NDF:601.2/4

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

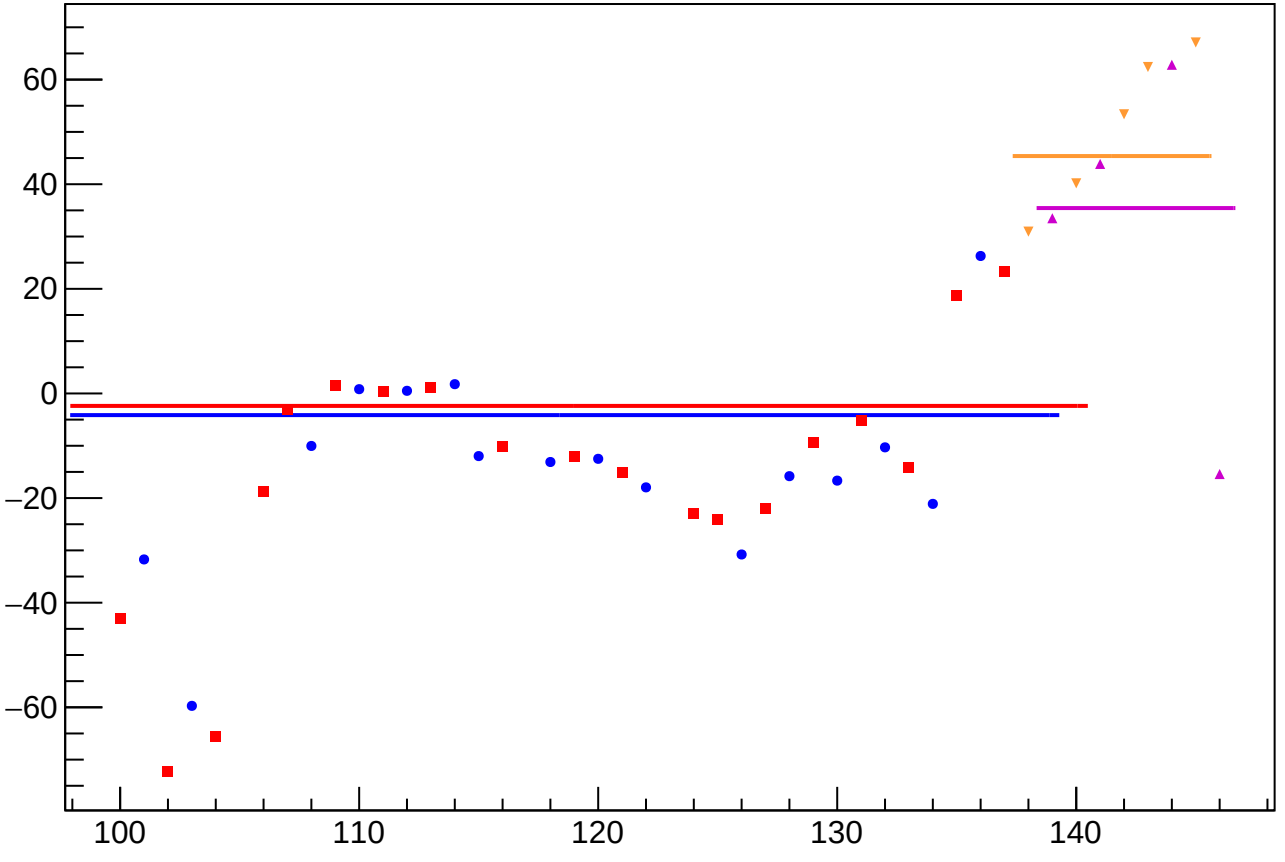
Left In: -0.275+/-0.005 χ^2/NDF:1212.6/3

+ sign -0.302+/-0.003 χ^2/NDF: 12776.5/20

All: -0.252+/-0.002 χ^2/NDF: 30292.9/43

- sign -0.206+/-0.003 χ^2/NDF: 17031.9/22

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 45.384+/-0.116 χ^2/NDF:13915.6/4

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

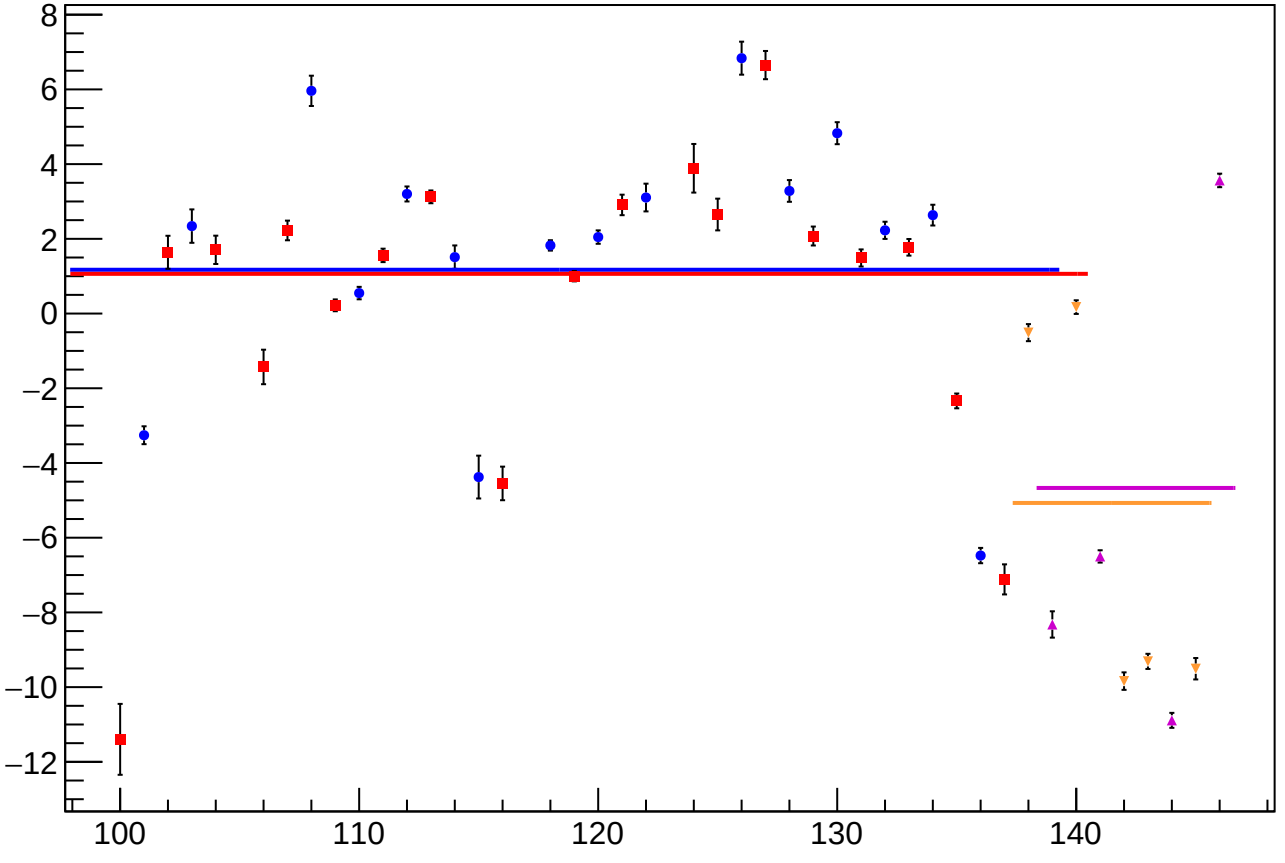
Left In: 35.441+/-0.120 χ^2/NDF:36497.4/3

+ sign 4.788+/-0.049 χ^2/NDF: 238852.9/20

All: 3.435+/-0.032 χ^2/NDF: 443544.5/43

- sign 2.409+/-0.043 χ^2/NDF: 203361.6/22

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -5.070+/-0.098 χ^2/NDF:2312.2/4

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

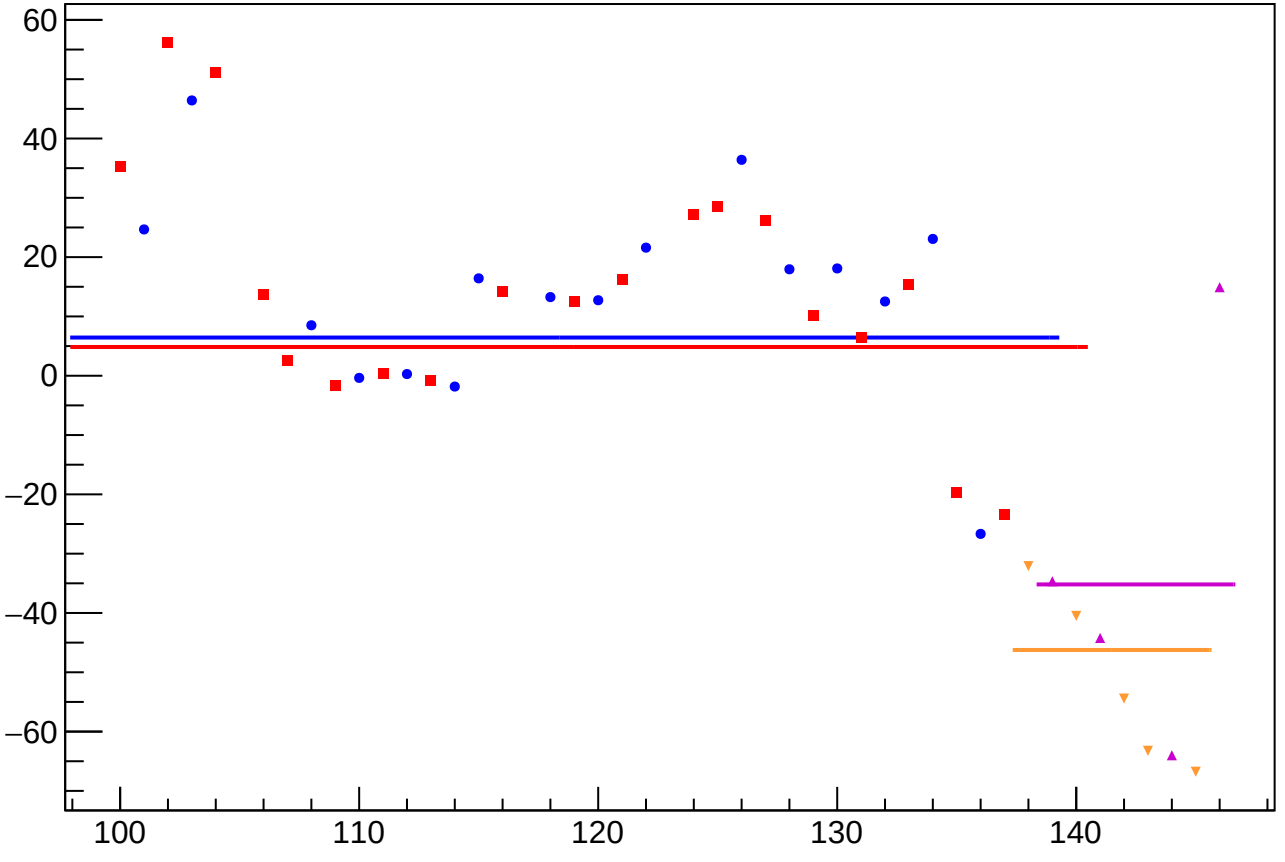
Left In: -4.668+/-0.100 χ^2/NDF:3262.8/3

+ sign -0.530+/-0.051 χ^2/NDF: 7837.4/20

All: -0.432+/-0.036 χ^2/NDF: 15185.7/43

- sign -0.341+/-0.049 χ^2/NDF: 7341.1/22

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -46.238+/-0.120 χ^2/NDF:12539.1/4

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

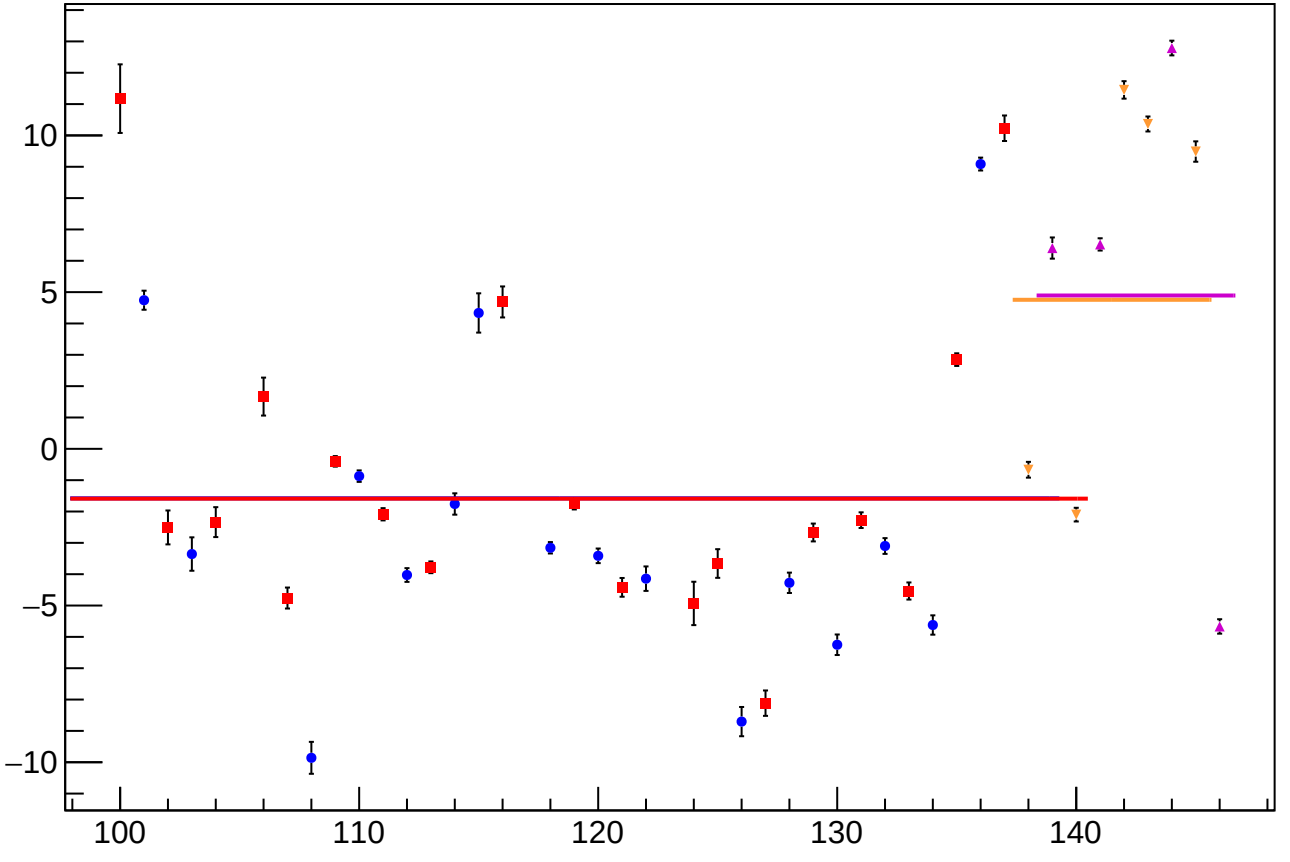
Left In: -35.186+/-0.123 χ^2/NDF:38517.9/3

+ sign -5.497+/-0.057 χ^2/NDF: 232709.6/20

All: -3.946+/-0.039 χ^2/NDF: 433984.3/43

- sign -2.603+/-0.053 χ^2/NDF: 199894.8/22

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 4.755+/-0.114 χ^2/NDF:2787.5/4

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

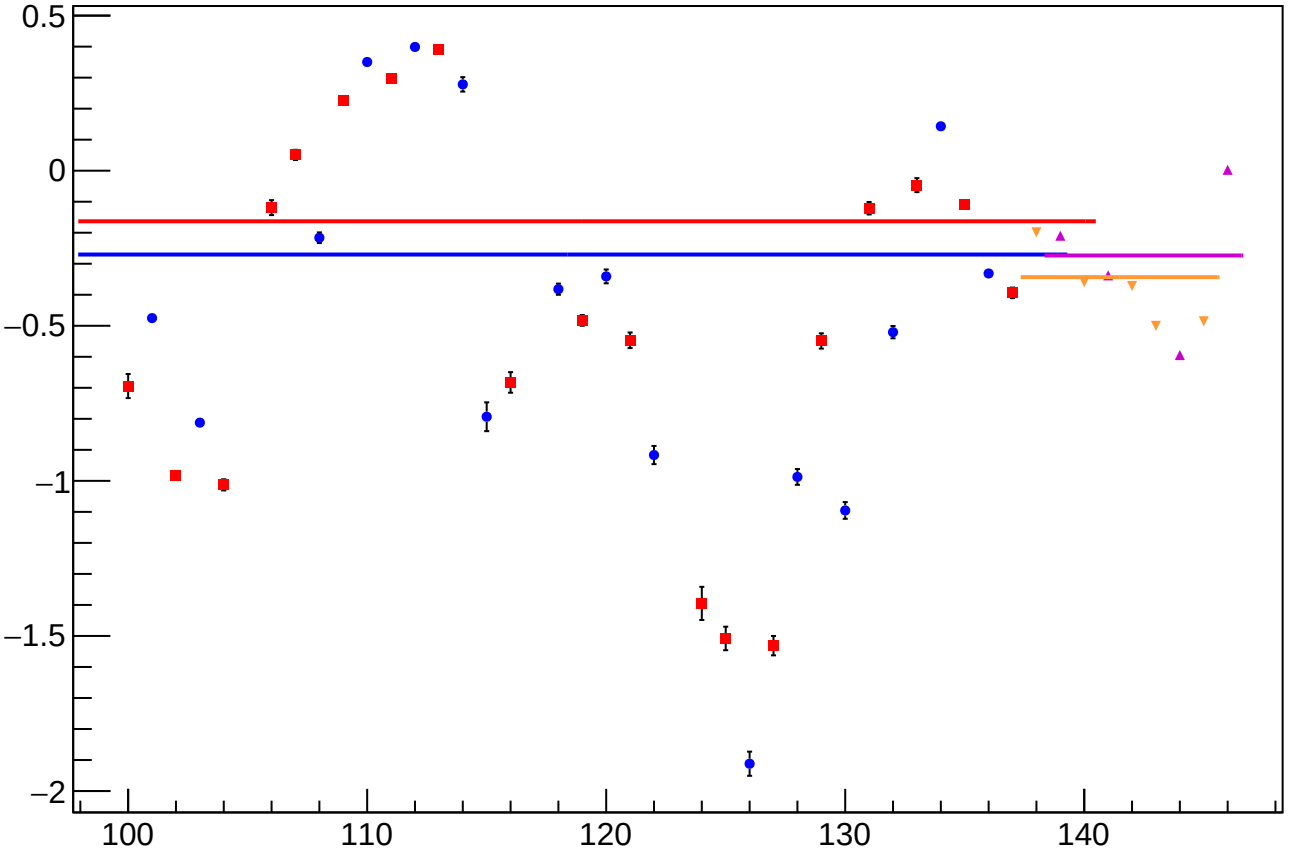
Left In: 4.892+/-0.118 χ^2/NDF:3323.9/3

+ sign 0.120+/-0.059 χ^2/NDF: 9559.2/20

All: 0.001+/-0.041 χ^2/NDF: 17690.5/43

- sign -0.107+/-0.056 χ^2/NDF: 8123.5/22

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.343+/-0.005 χ^2/NDF:603.7/4

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

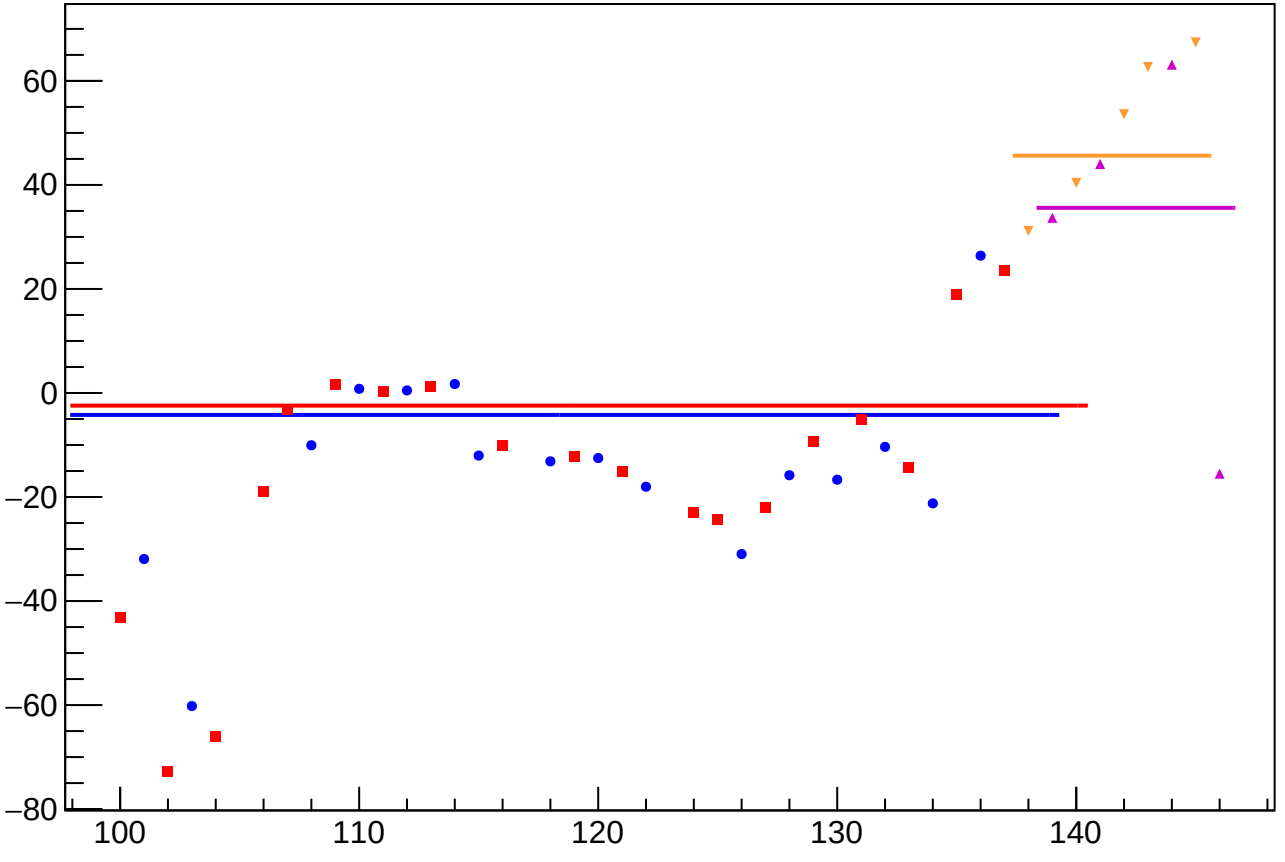
Left In: -0.273+/-0.005 χ^2/NDF:1212.0/3

+ sign -0.301+/-0.003 χ^2/NDF: 12770.6/20

All: -0.250+/-0.002 χ^2/NDF: 30305.2/43

- sign -0.205+/-0.003 χ^2/NDF: 17043.3/22

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 45.632+/-0.116 χ^2/NDF:13844.9/4

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

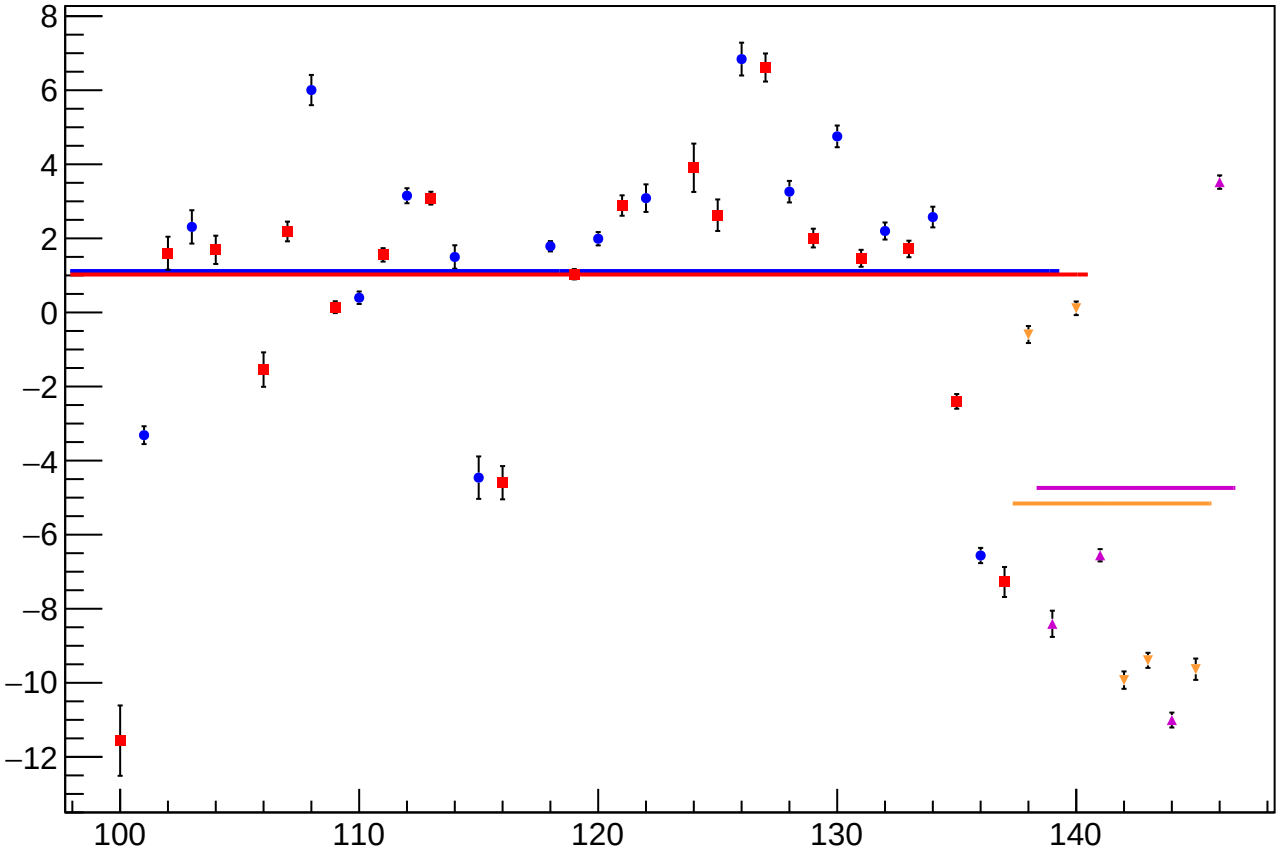
Left In: 35.598+/-0.121 χ^2/NDF:36527.8/3

+ sign 4.802+/-0.050 χ^2/NDF: 239220.8/20

All: 3.444+/-0.033 χ^2/NDF: 444103.8/43

- sign 2.413+/-0.043 χ^2/NDF: 203559.1/22

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -5.158+/-0.099 χ^2/NDF:2303.5/4

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

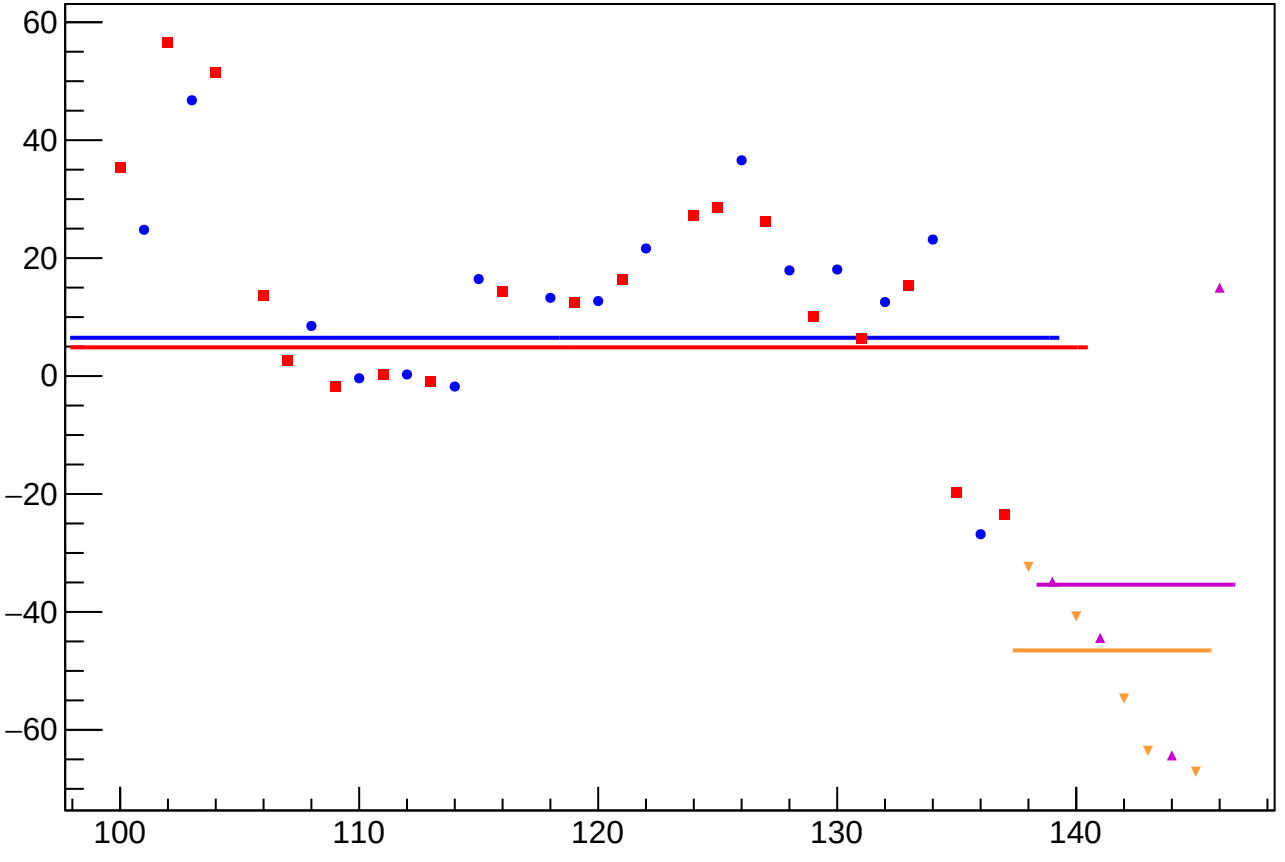
Left In: -4.738+/-0.100 χ^2/NDF:3259.6/3

+ sign -0.595+/-0.052 χ^2/NDF: 7841.9/20

All: -0.489+/-0.036 χ^2/NDF: 15208.2/43

- sign -0.389+/-0.050 χ^2/NDF: 7358.0/22

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -46.527+/-0.120 χ^2/NDF:12475.3/4

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

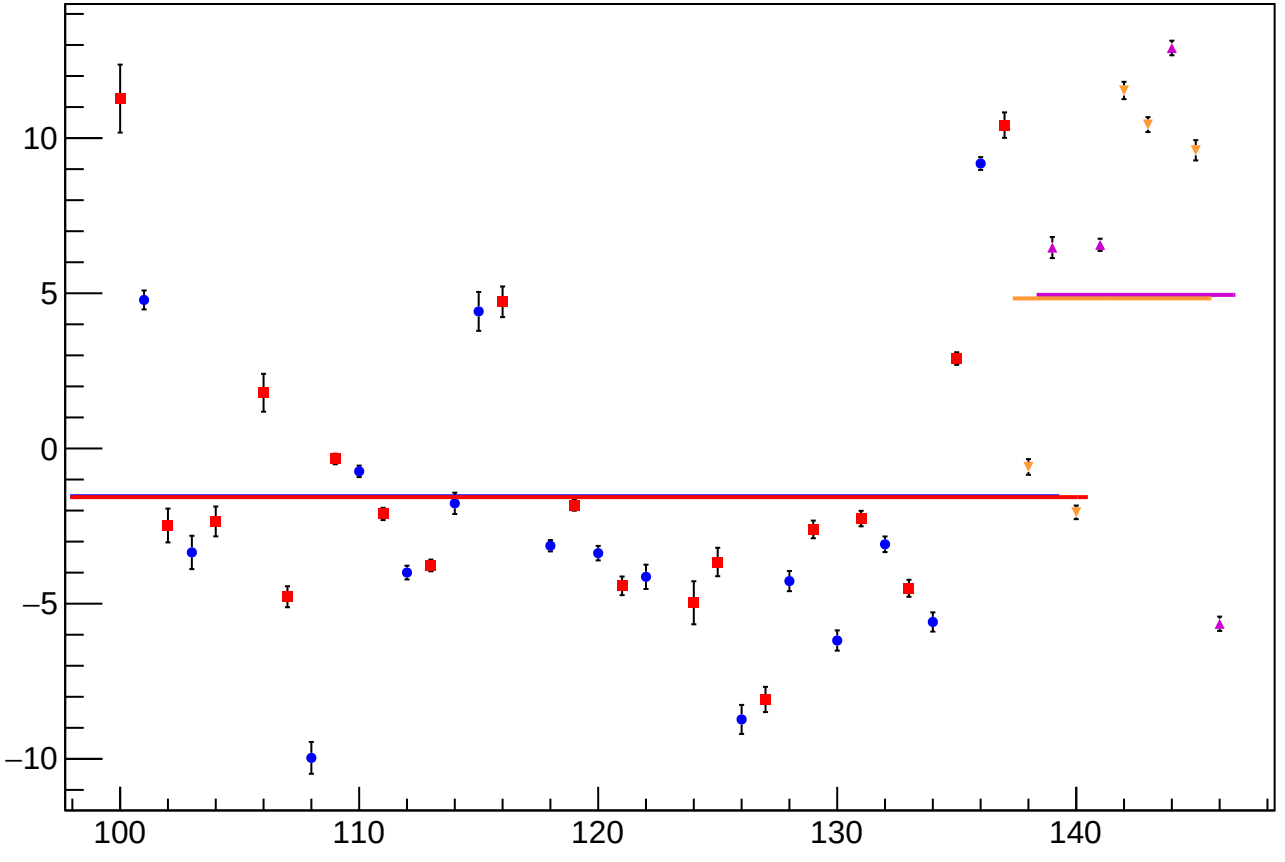
Left In: -35.380+/-0.124 χ^2/NDF:38555.7/3

+ sign -5.545+/-0.057 χ^2/NDF: 233111.6/20

All: -3.992+/-0.039 χ^2/NDF: 434620.5/43

- sign -2.646+/-0.053 χ^2/NDF: 200139.7/22

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 4.834+/-0.115 χ^2/NDF:2777.2/4

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

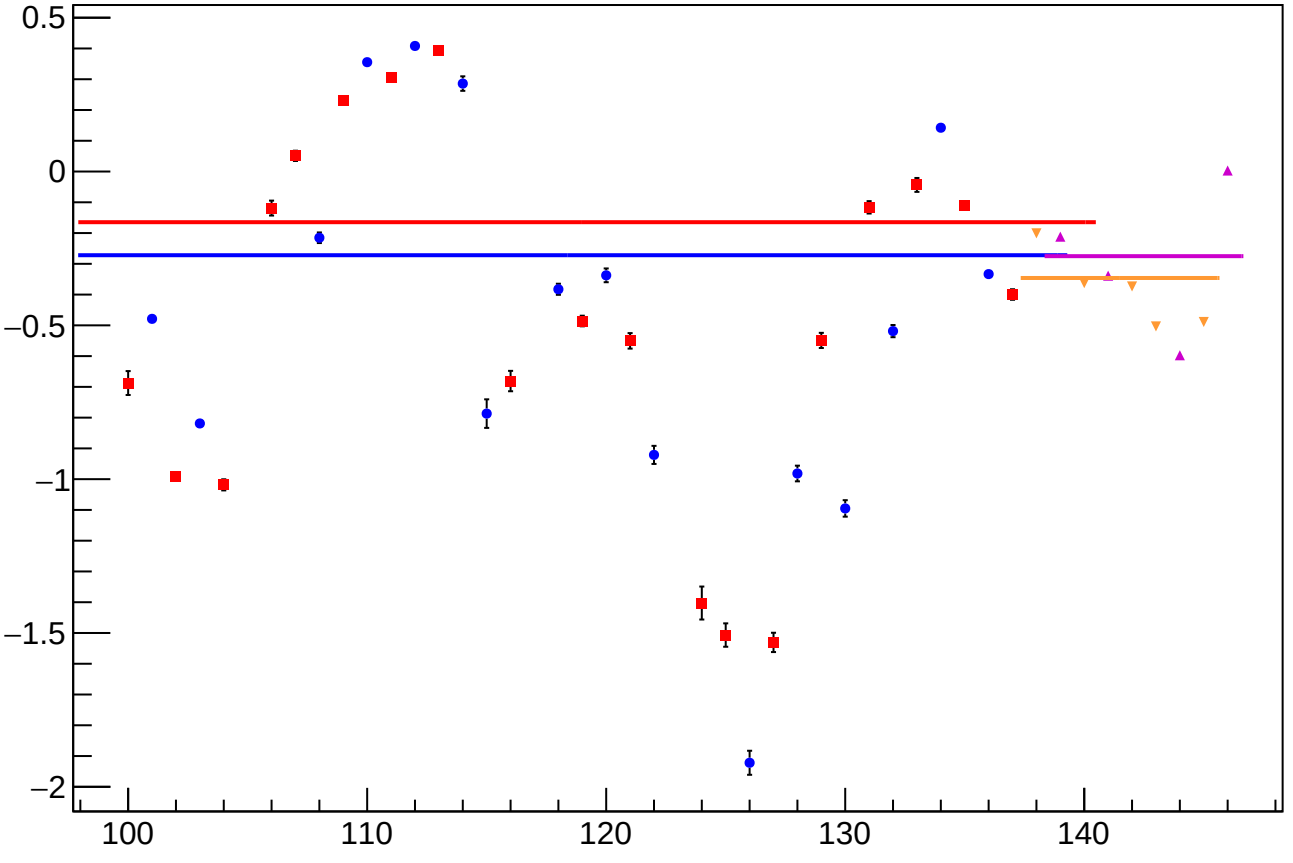
Left In: 4.949+/-0.119 χ^2/NDF:3324.6/3

+ sign 0.172+/-0.059 χ^2/NDF: 9567.6/20

All: 0.043+/-0.041 χ^2/NDF: 17729.0/43

- sign -0.075+/-0.057 χ^2/NDF: 8152.4/22

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.346+/-0.005 χ^2/NDF:602.9/4

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

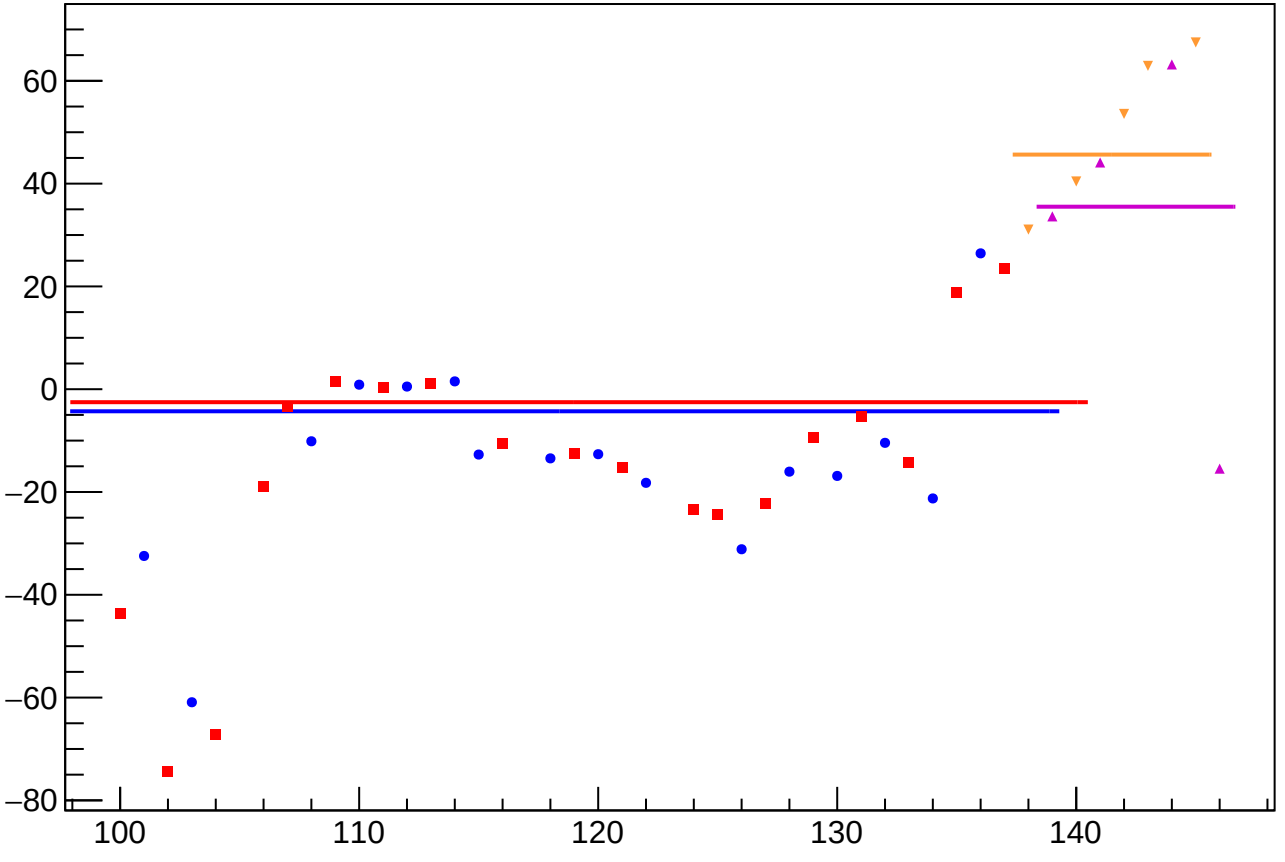
Left In: -0.275+/-0.005 χ^2/NDF:1210.8/3

+ sign -0.303+/-0.003 χ^2/NDF: 12799.8/20

All: -0.252+/-0.002 χ^2/NDF: 30312.4/43

- sign -0.206+/-0.003 χ^2/NDF: 17020.2/22

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 45.651+/-0.117 χ^2/NDF:13790.5/4

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

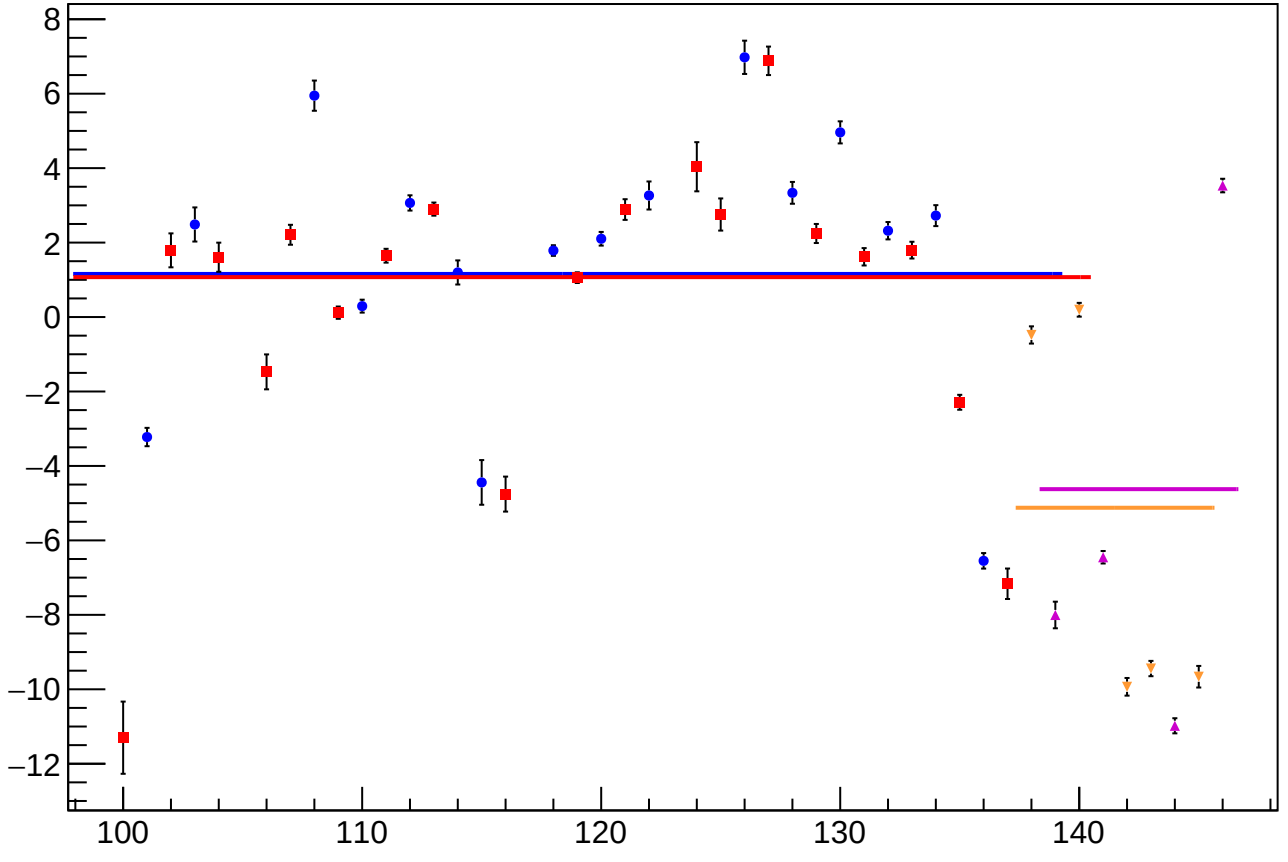
Left In: 35.512+/-0.122 χ^2/NDF:36247.3/3

+ sign 4.883+/-0.050 χ^2/NDF: 235594.0/20

All: 3.494+/-0.033 χ^2/NDF: 437573.2/43

- sign 2.431+/-0.044 χ^2/NDF: 200636.4/22

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -5.123+/-0.099 χ^2/NDF:2321.8/4

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

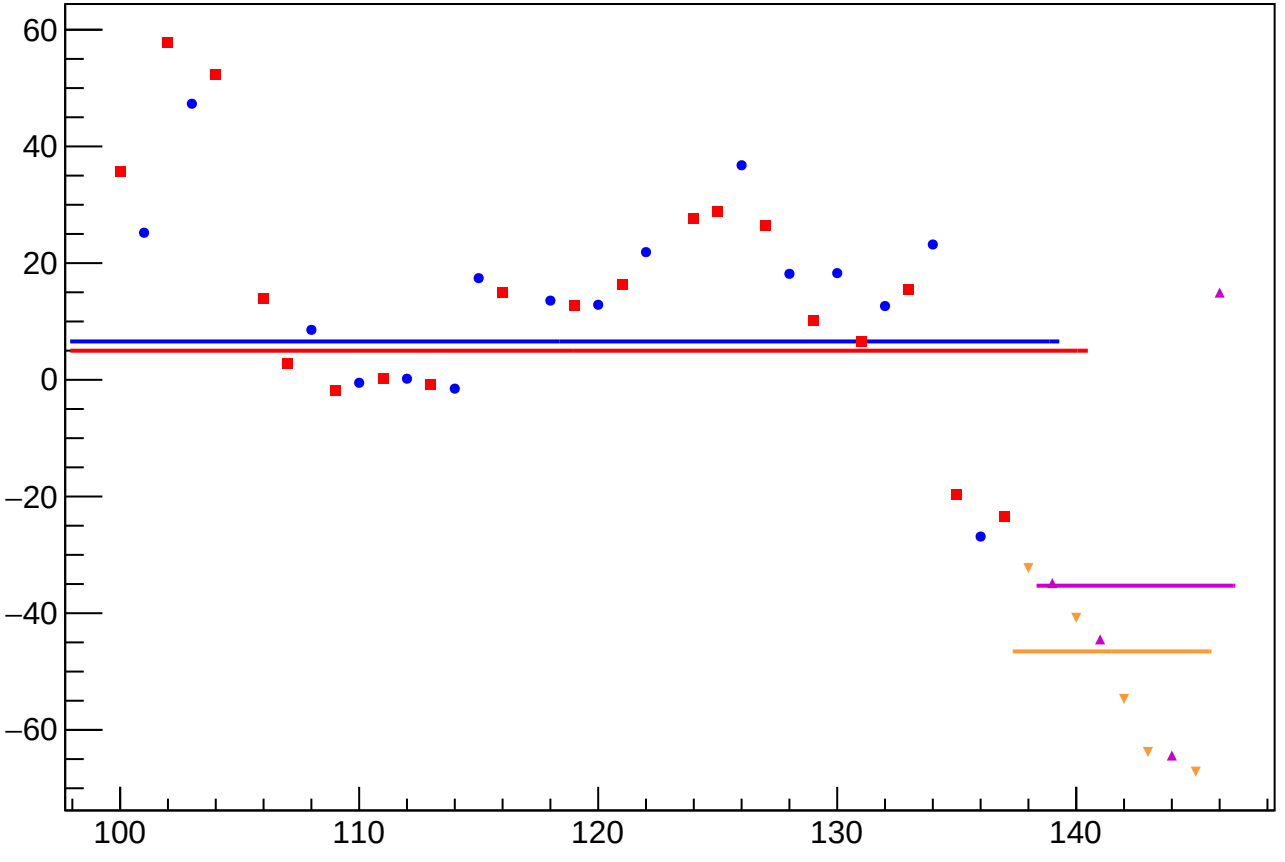
Left In: -4.623+/-0.101 χ^2/NDF:3189.3/3

+ sign -0.579+/-0.052 χ^2/NDF: 7755.0/20

All: -0.460+/-0.036 χ^2/NDF: 14882.4/43

- sign -0.349+/-0.051 χ^2/NDF: 7117.4/22

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -46.548+/-0.121 χ^2/NDF:12419.7/4

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

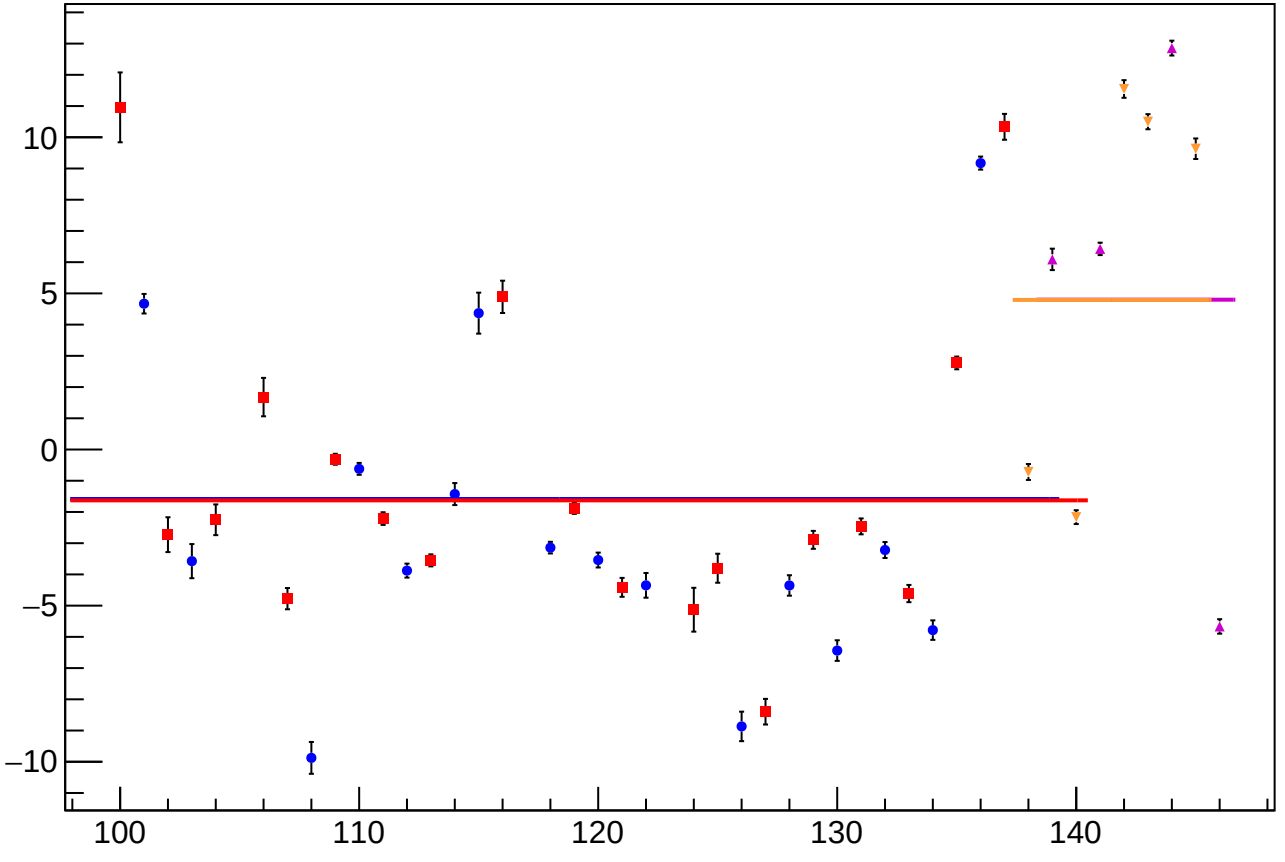
Left In: -35.281+/-0.125 χ^2/NDF:38251.5/3

+ sign -5.650+/-0.058 χ^2/NDF: 229513.3/20

All: -4.057+/-0.040 χ^2/NDF: 428145.2/43

- sign -2.669+/-0.054 χ^2/NDF: 197232.9/22

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 4.791+/-0.116 χ^2/NDF:2794.5/4

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

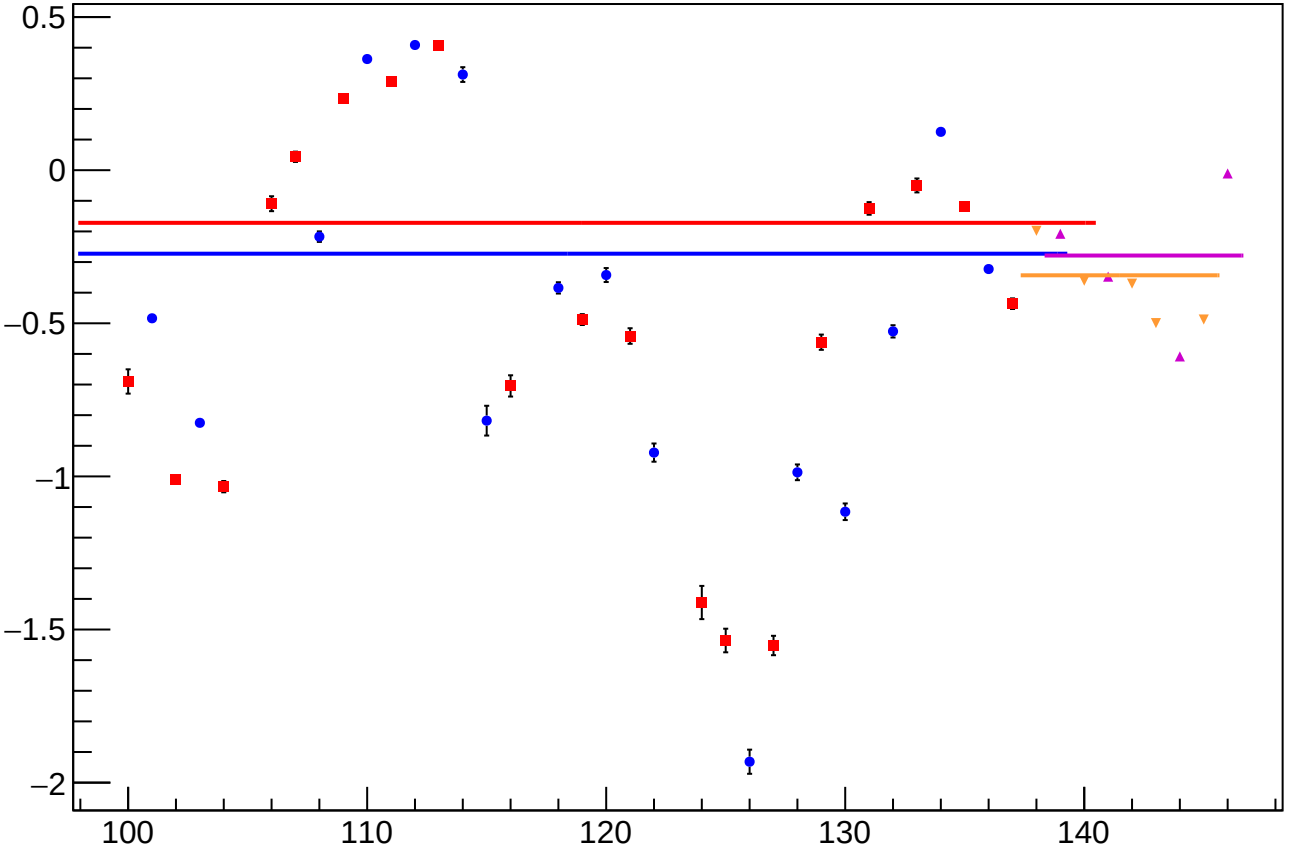
Left In: 4.799+/-0.120 χ^2/NDF:3264.8/3

+ sign 0.148+/-0.060 χ^2/NDF: 9472.7/20

All: 0.002+/-0.042 χ^2/NDF: 17389.6/43

- sign -0.131+/-0.058 χ^2/NDF: 7905.7/22

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.343+/-0.005 χ^2/NDF:592.4/4

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

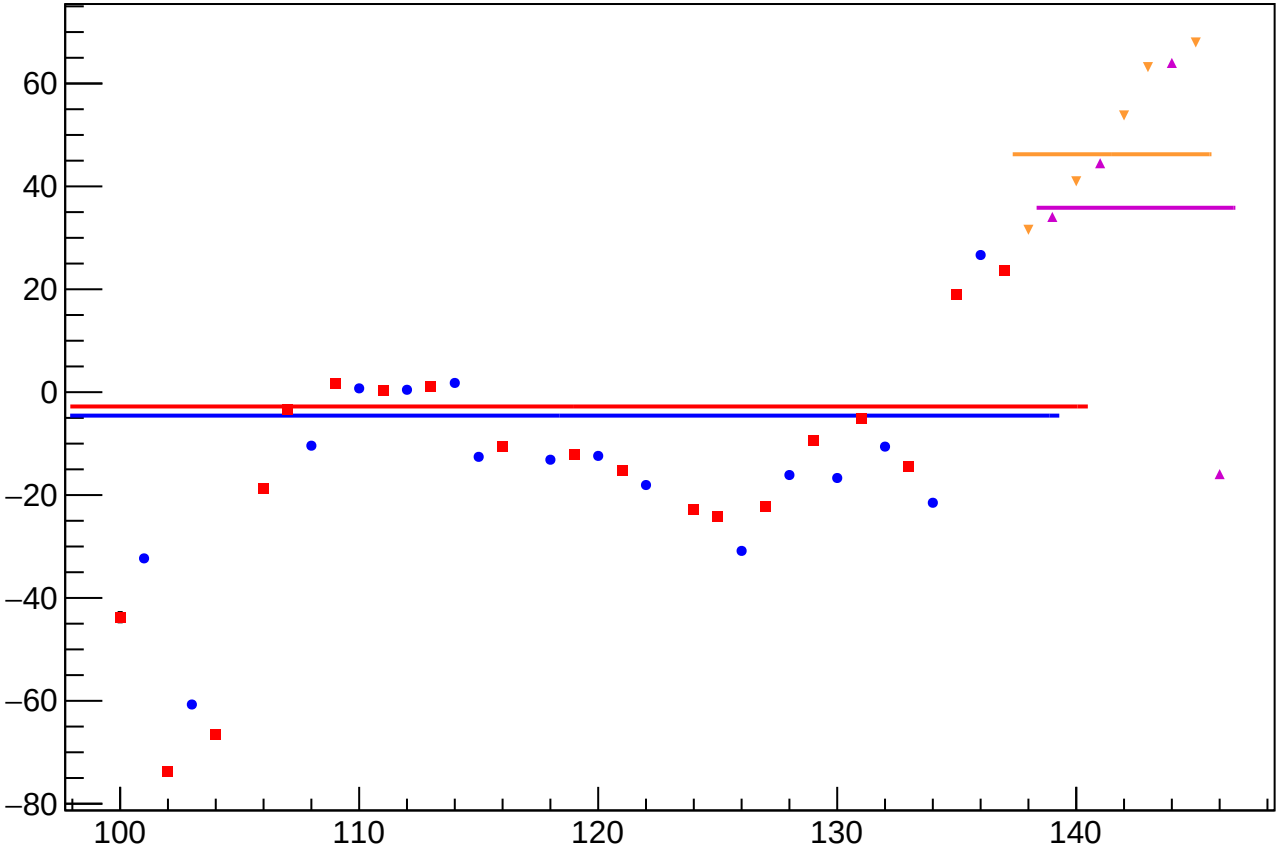
Left In: -0.279+/-0.005 χ^2/NDF:1220.5/3

+ sign -0.303+/-0.003 χ^2/NDF: 12567.0/20

All: -0.255+/-0.002 χ^2/NDF: 29815.0/43

- sign -0.213+/-0.003 χ^2/NDF: 16833.8/22

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 46.247+/-0.120 χ^2/NDF:13116.9/4

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

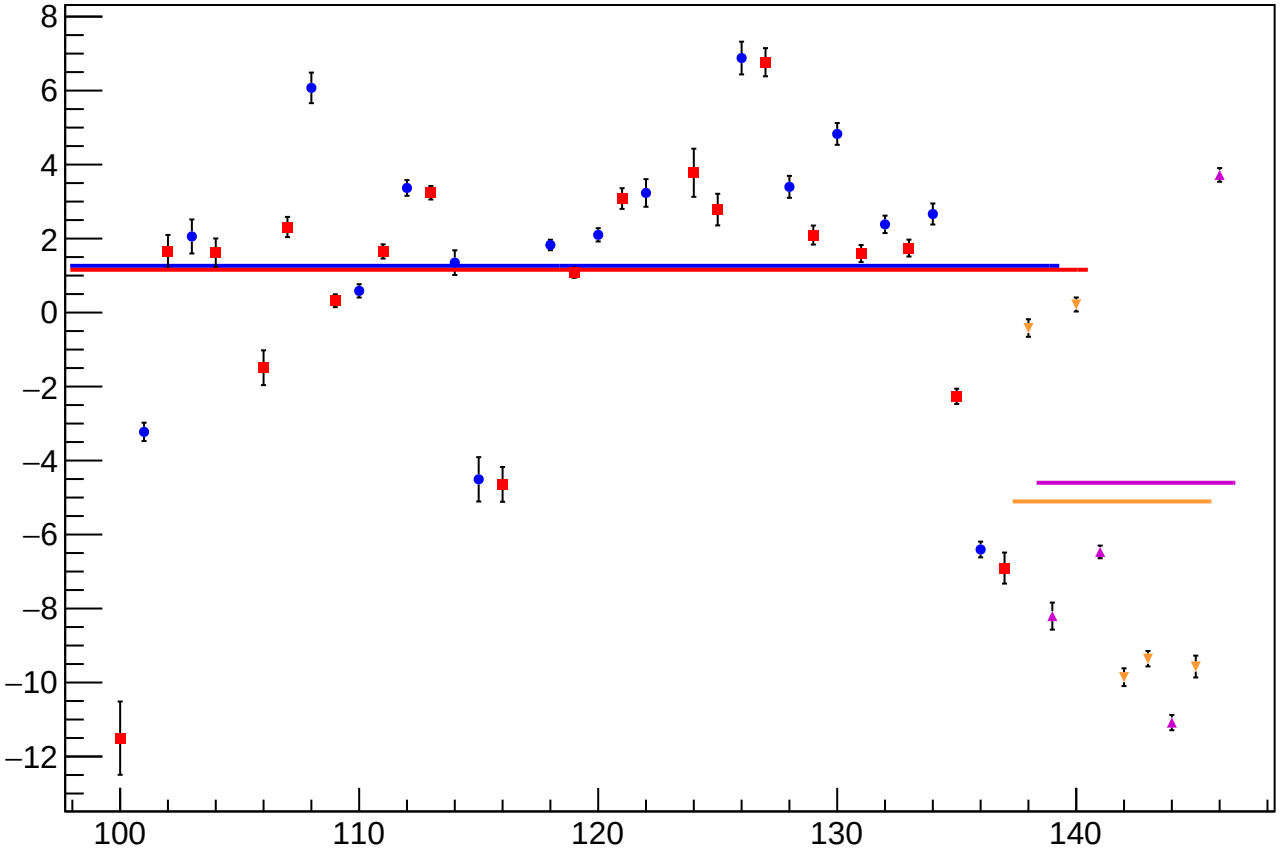
Left In: 35.845+/-0.124 χ^2/NDF:36189.2/3

+ sign 4.754+/-0.051 χ^2/NDF: 232361.0/20

All: 3.382+/-0.034 χ^2/NDF: 431405.5/43

- sign 2.318+/-0.045 χ^2/NDF: 197776.6/22

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -5.105+/-0.101 χ^2/NDF:2214.0/4

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

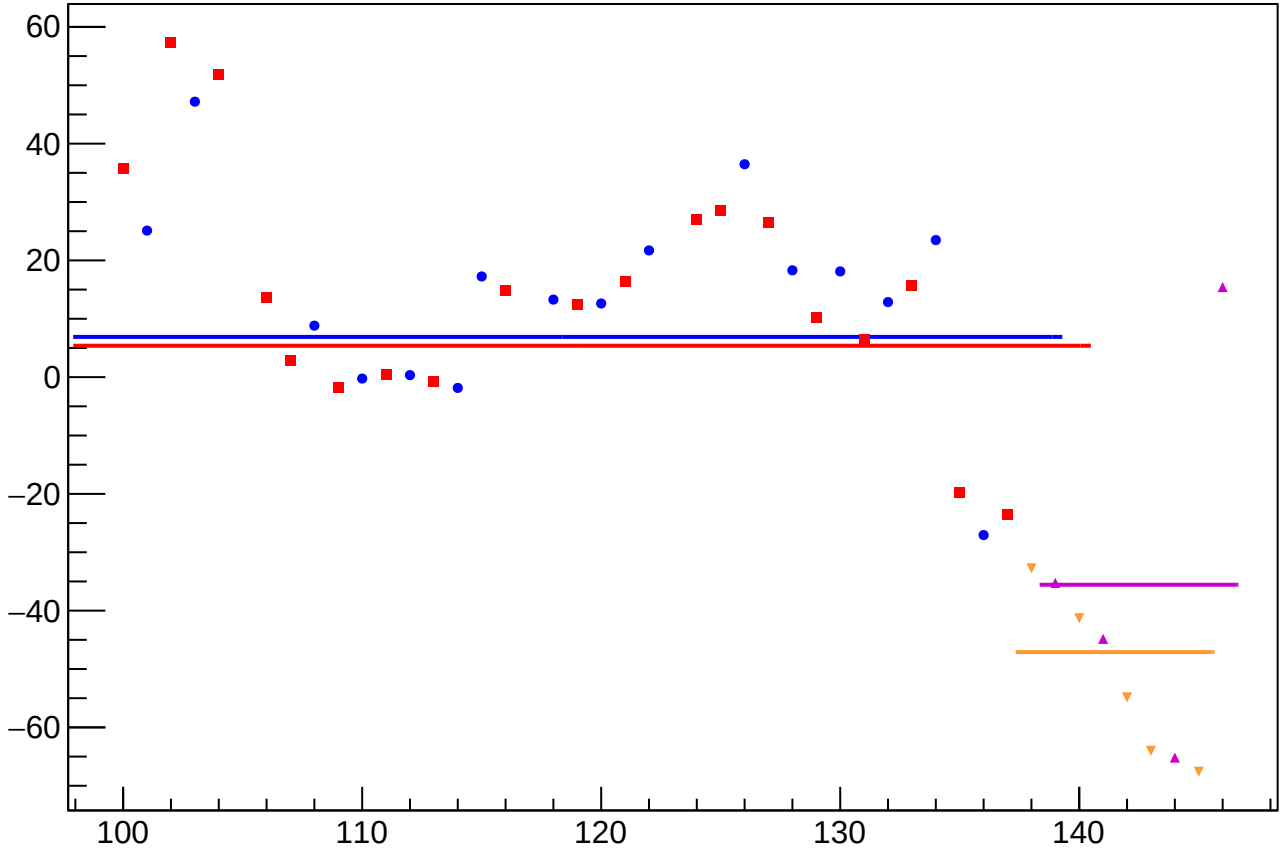
Left In: -4.600+/-0.103 χ^2/NDF:3217.5/3

+ sign -0.473+/-0.053 χ^2/NDF: 7530.5/20

All: -0.367+/-0.037 χ^2/NDF: 14595.5/43

- sign -0.268+/-0.051 χ^2/NDF: 7057.3/22

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -47.100+/-0.124 χ^2/NDF:11790.6/4

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

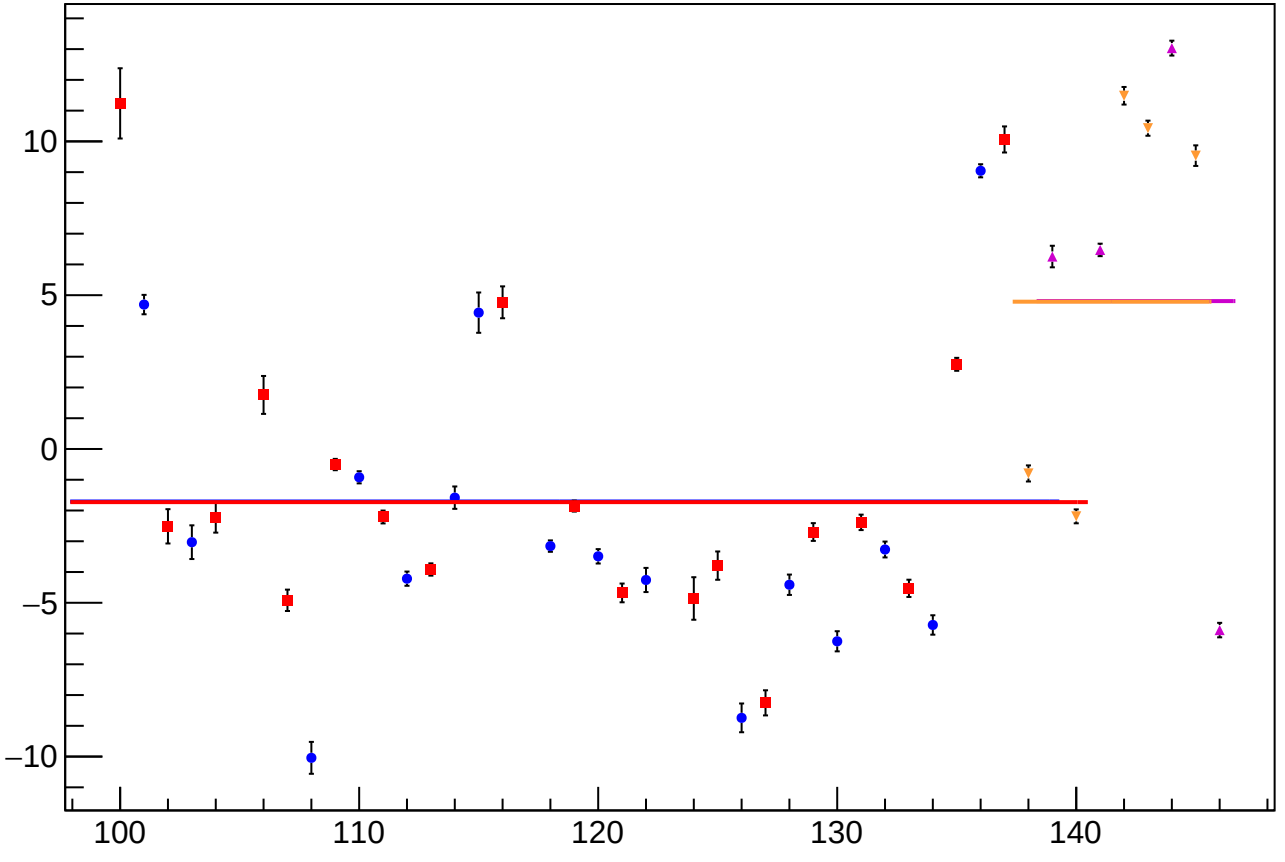
Left In: -35.563+/-0.127 χ^2/NDF:38173.9/3

+ sign -5.417+/-0.059 χ^2/NDF: 226337.8/20

All: -3.826+/-0.040 χ^2/NDF: 422115.1/43

- sign -2.427+/-0.055 χ^2/NDF: 194419.6/22

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 4.789+/-0.118 χ^2/NDF:2679.5/4

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

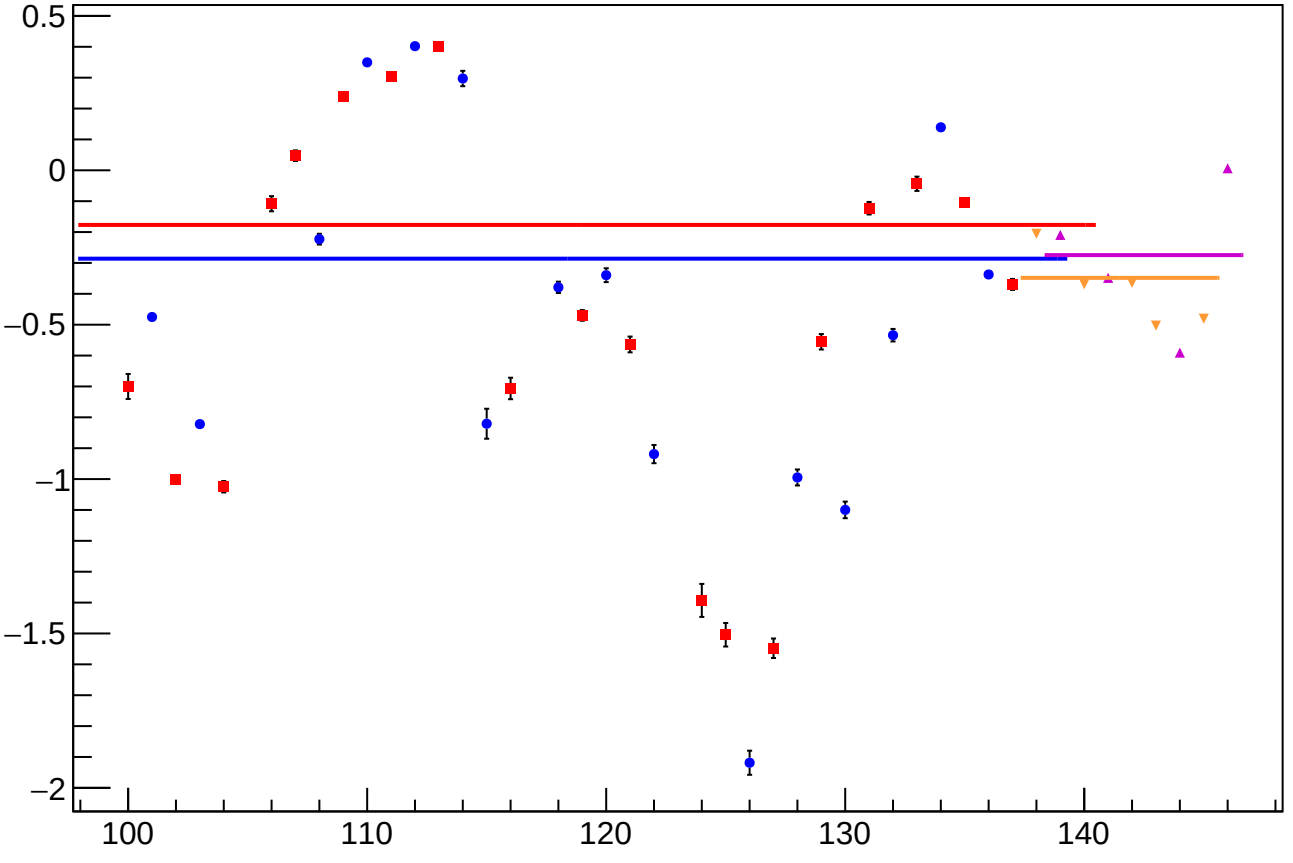
Left In: 4.808+/-0.122 χ^2/NDF:3299.0/3

+ sign 0.039+/-0.061 χ^2/NDF: 9184.3/20

All: -0.092+/-0.042 χ^2/NDF: 17017.4/43

- sign -0.212+/-0.059 χ^2/NDF: 7824.3/22

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.348+/-0.005 χ^2/NDF:536.7/4

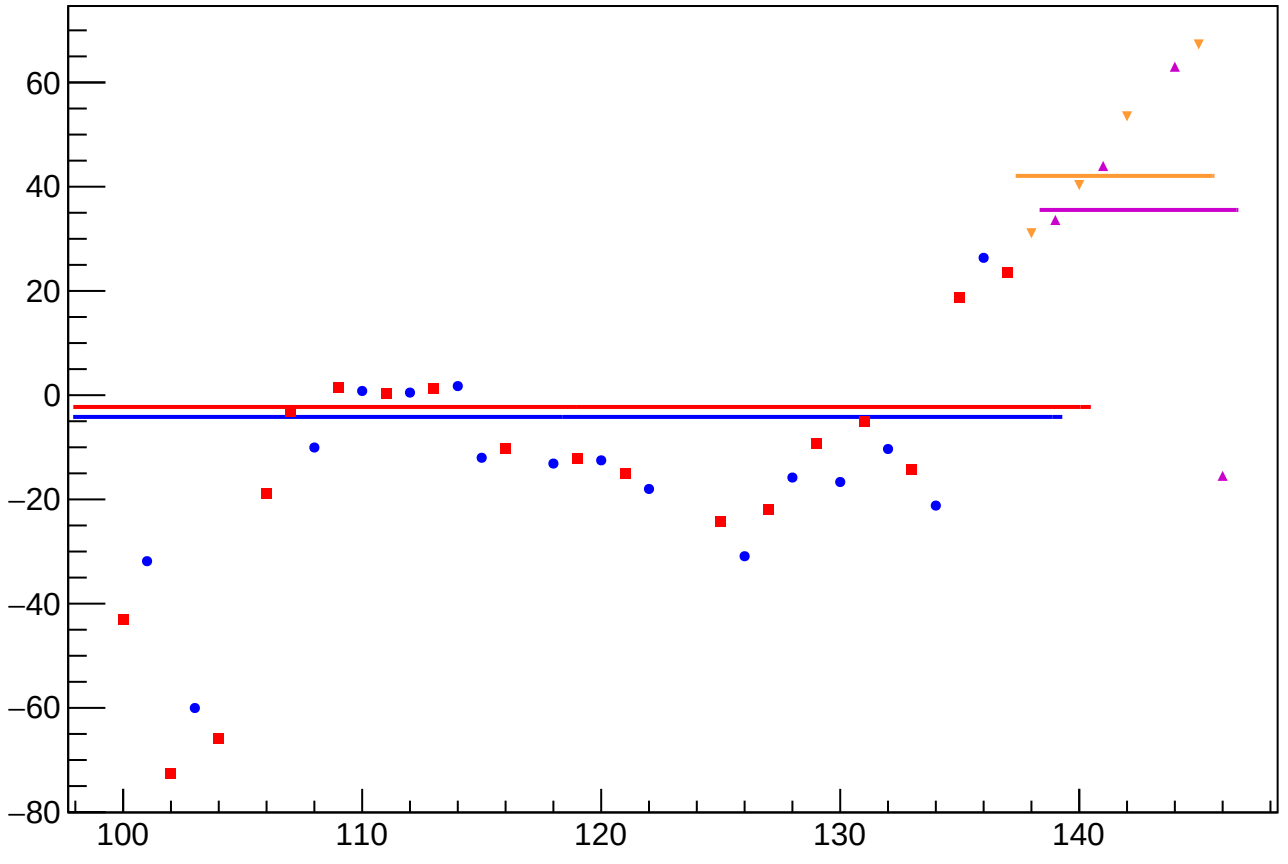
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.275+/-0.005 χ^2/NDF:1159.0/3

+ sign -0.312+/-0.003 χ^2/NDF: 11986.2/20

All: -0.261+/-0.002 χ^2/NDF: 28621.0/43

- sign -0.214+/-0.003 χ^2/NDF: 16160.9/22



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 42.074+/-0.127 χ^2/NDF:9534.8/3

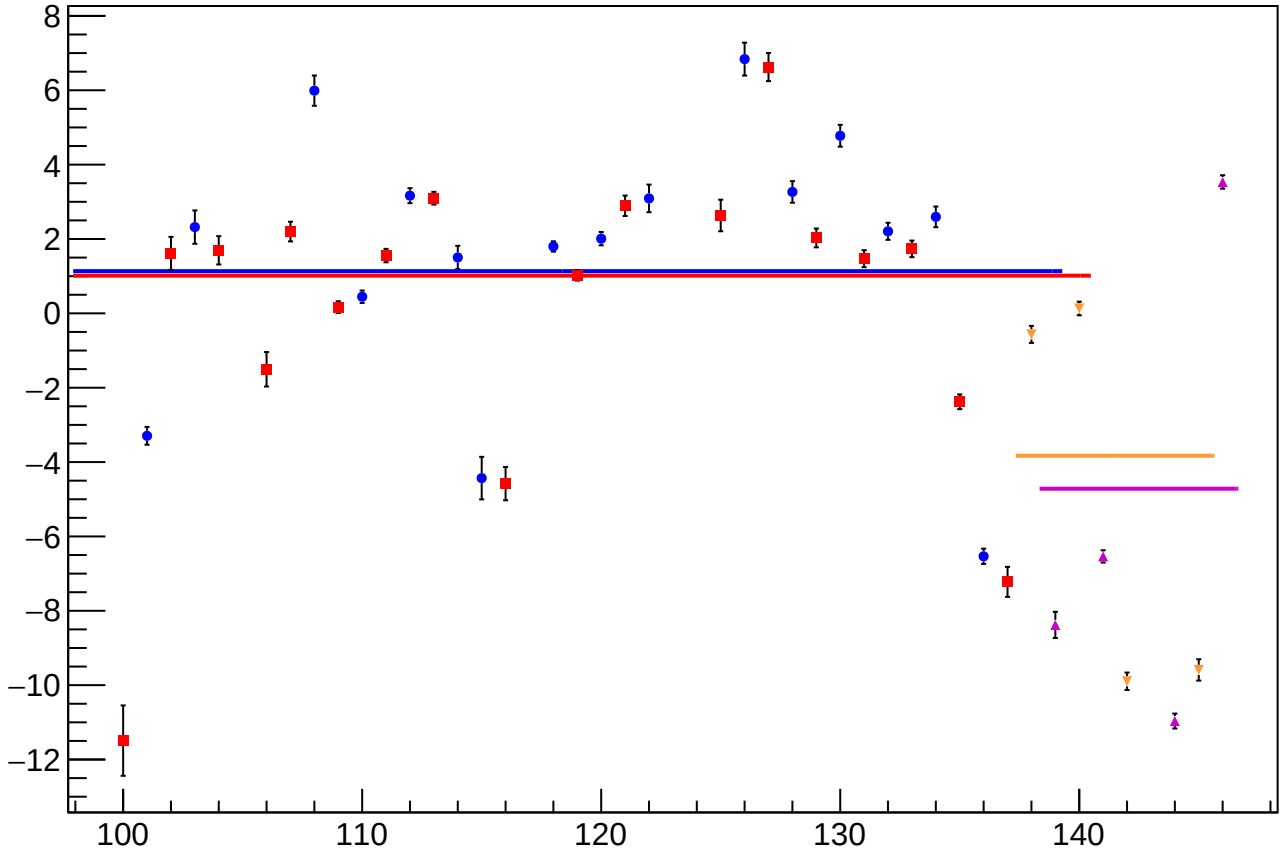
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 35.543+/-0.121 χ^2/NDF:36565.0/3

+ sign 2.979+/-0.050 χ^2/NDF: 196491.7/19

All: 2.731+/-0.033 χ^2/NDF: 398497.9/41

- sign 2.548+/-0.043 χ^2/NDF: 201963.6/21



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -3.829+/-0.112 χ^2/NDF:1742.8/3

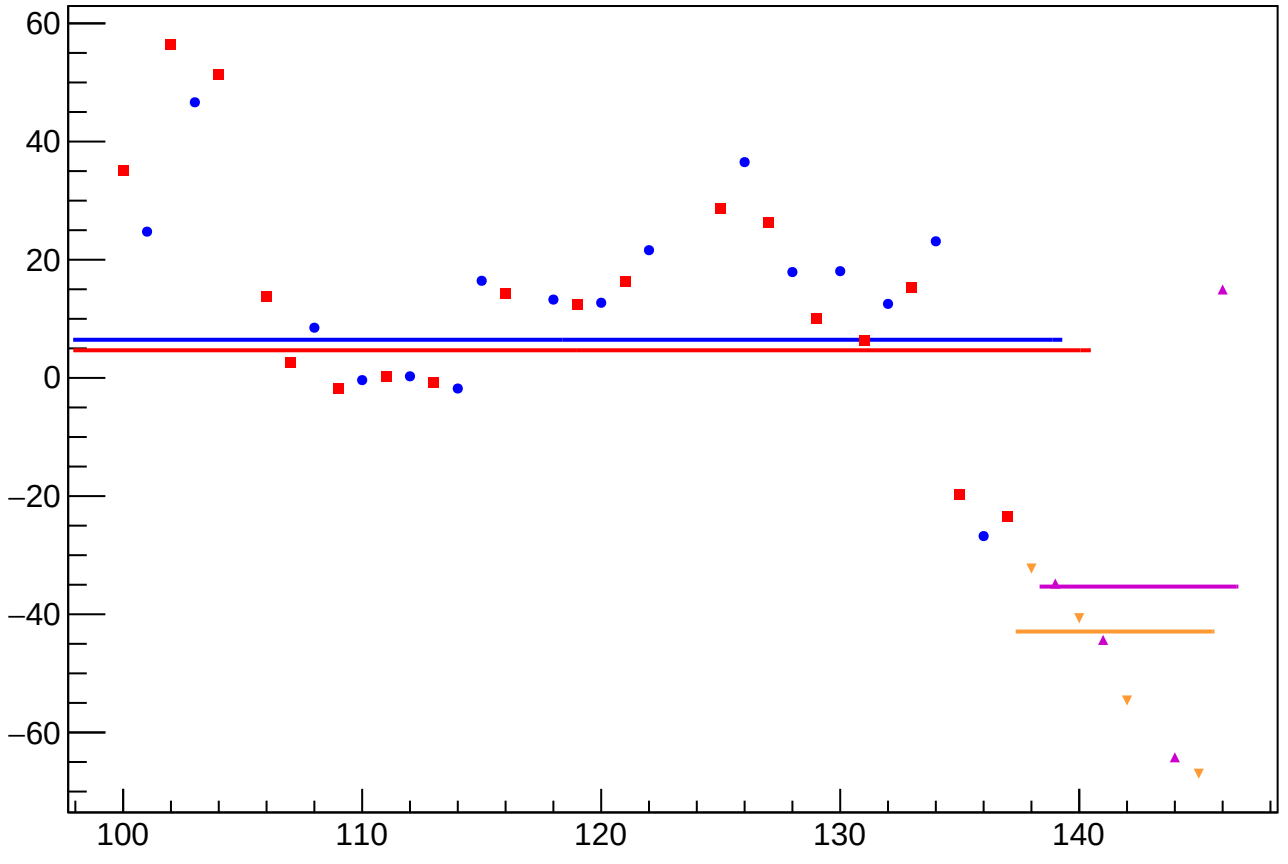
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -4.716+/-0.100 χ^2/NDF:3265.4/3

+ sign 0.029+/-0.053 χ^2/NDF: 5855.2/19

All: -0.197+/-0.036 χ^2/NDF: 13216.3/41

- sign -0.395+/-0.050 χ^2/NDF: 7327.0/21



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -42.918+/-0.132 χ^2/NDF:8401.3/3

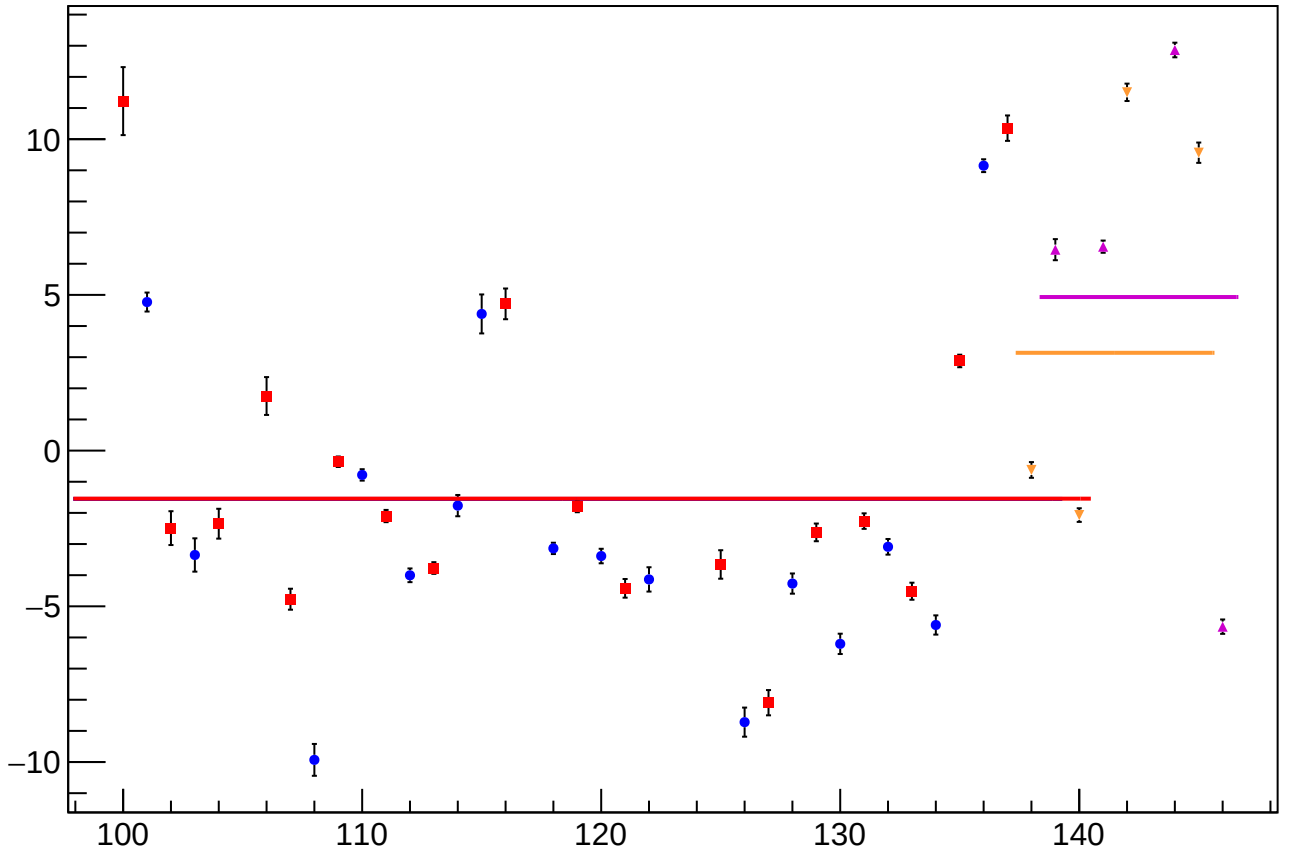
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -35.314+/-0.123 χ^2/NDF:38593.0/3

+ sign -3.199+/-0.058 χ^2/NDF: 192190.1/19

All: -2.982+/-0.039 χ^2/NDF: 390869.6/41

- sign -2.800+/-0.053 χ^2/NDF: 198654.0/21



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 3.141+/-0.130 χ^2/NDF:2075.0/3

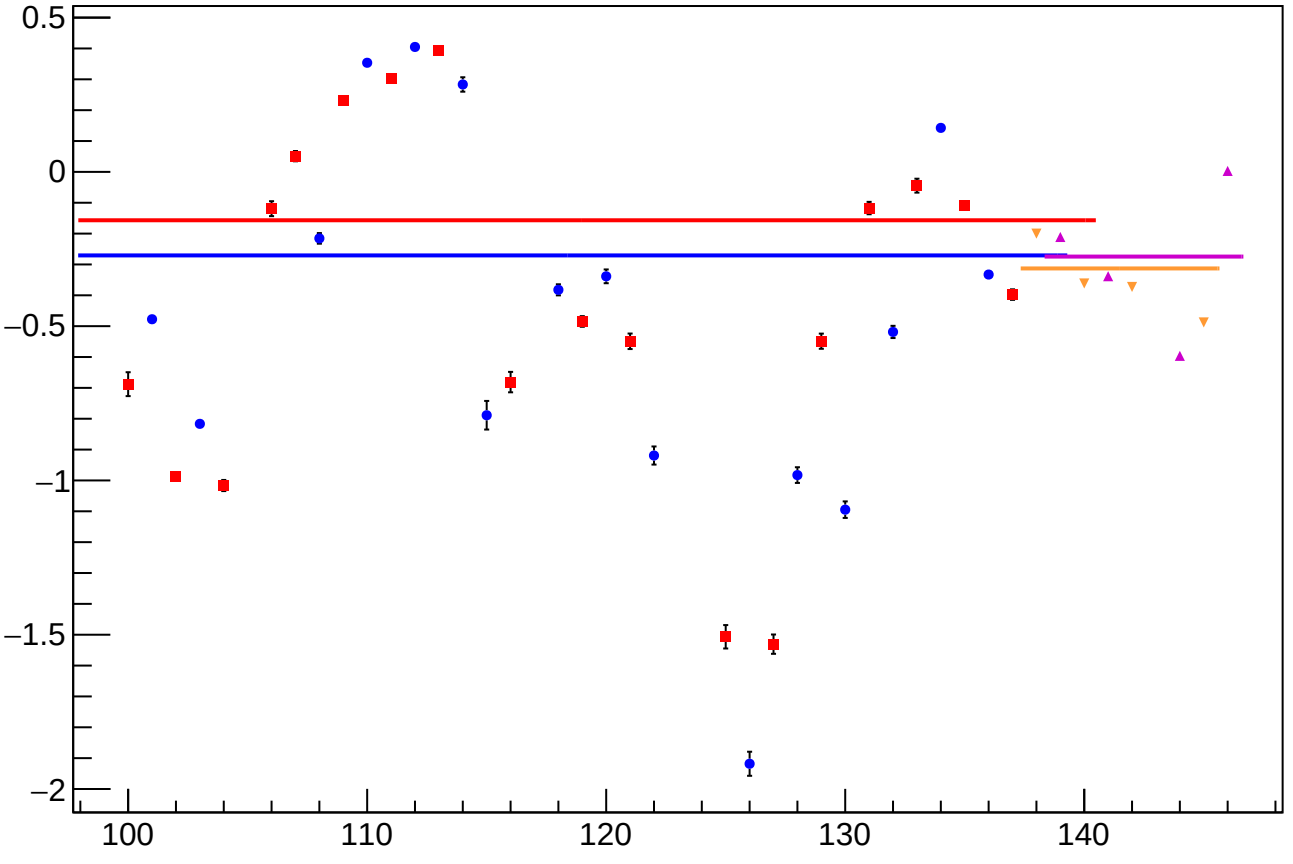
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 4.931+/-0.118 χ^2/NDF:3329.0/3

+ sign -0.518+/-0.061 χ^2/NDF: 7628.3/19

All: -0.269+/-0.042 χ^2/NDF: 15771.4/41

- sign -0.055+/-0.057 χ^2/NDF: 8112.4/21



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.313+/-0.005 χ^2/NDF:392.4/3

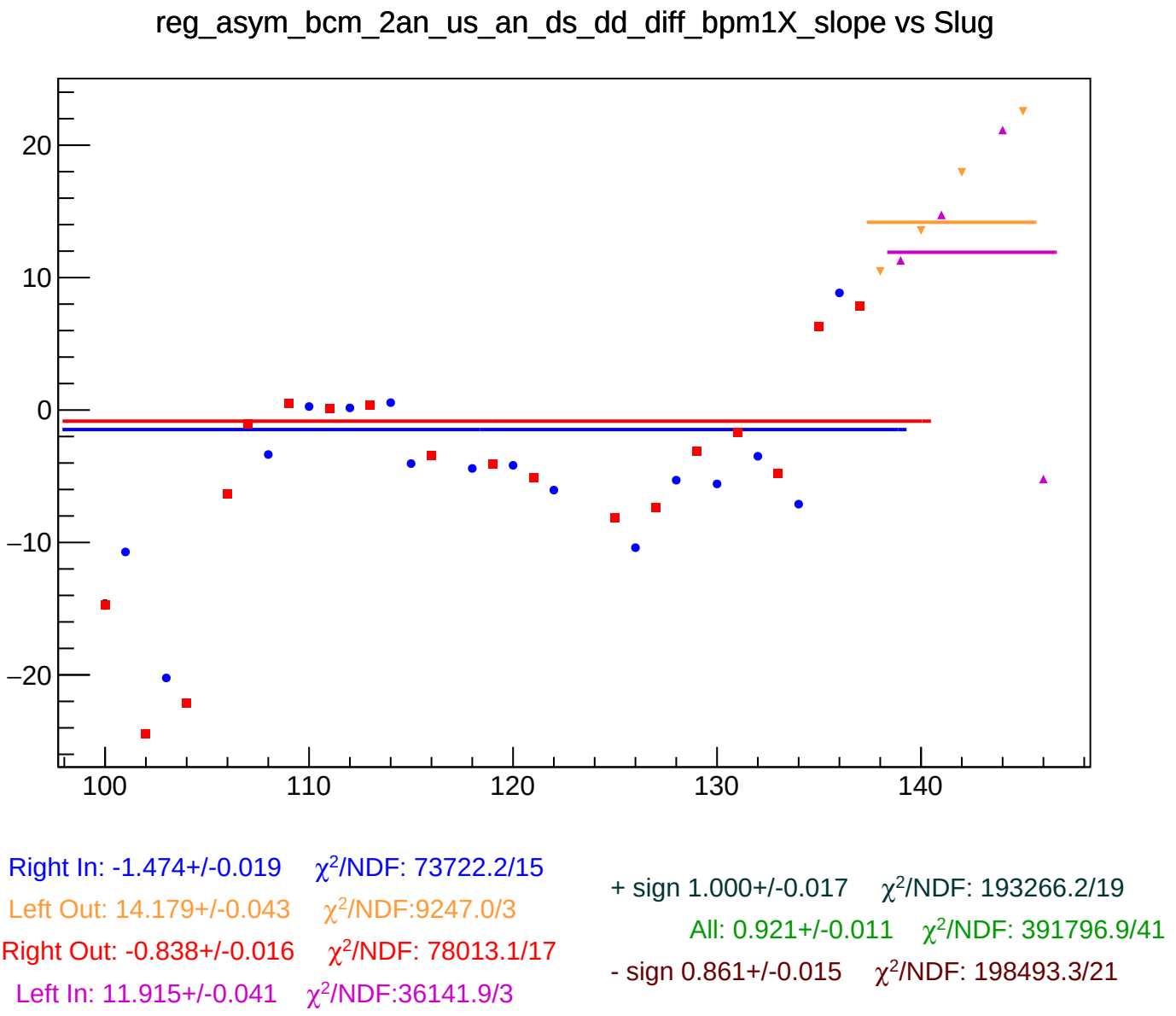
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

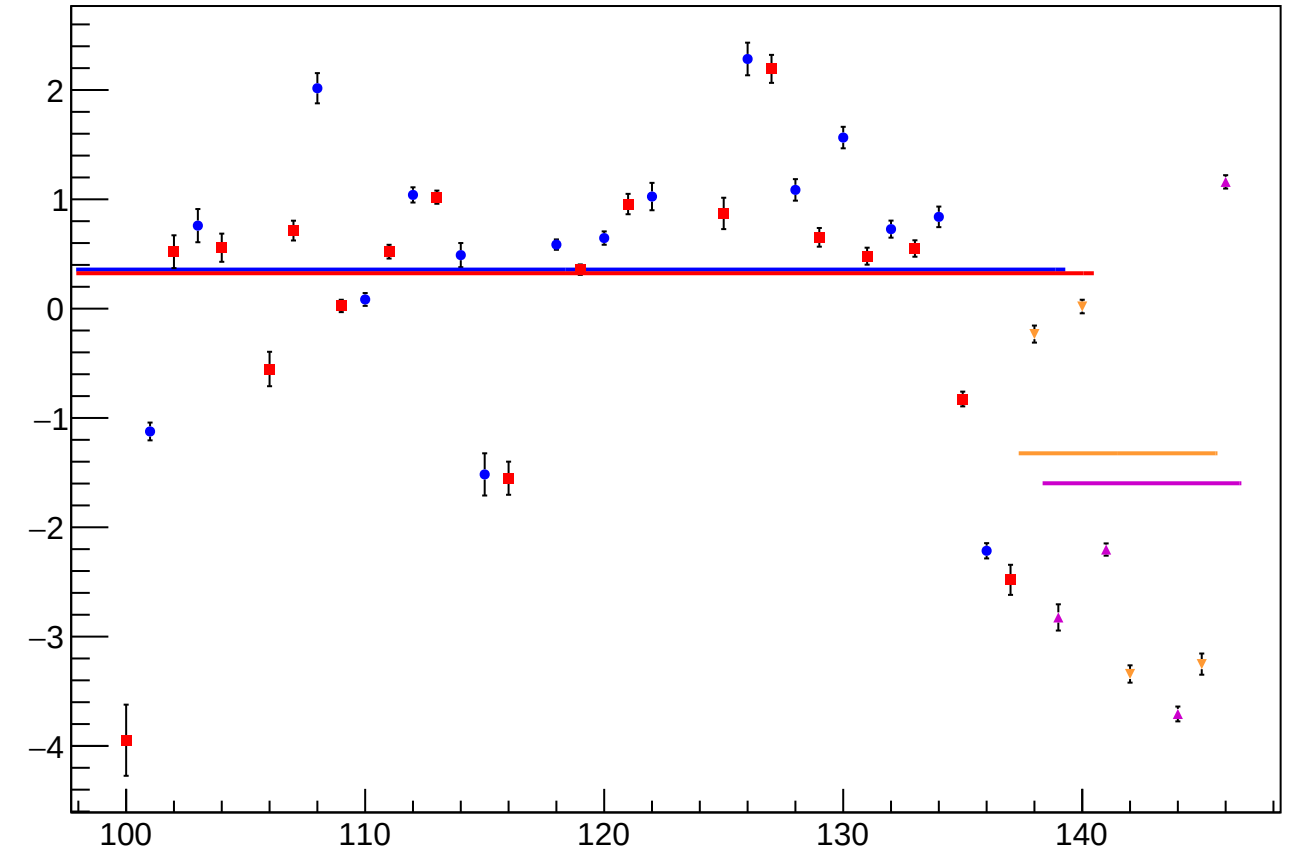
Left In: -0.274+/-0.005 χ^2/NDF:1213.1/3

+ sign -0.287+/-0.003 χ^2/NDF: 12527.5/19

All: -0.240+/-0.002 χ^2/NDF: 29493.5/41

- sign -0.201+/-0.003 χ^2/NDF: 16596.1/21


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug
20
10
0
−10
−20
100
110
120
130
140
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 14.179+/-0.043 χ²/NDF:9247.0/3
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 11.915+/-0.041 χ²/NDF:36141.9/3
+ sign 1.000+/-0.017 χ²/NDF: 193266.2/19
All: 0.921+/-0.011 χ²/NDF: 391796.9/41
- sign 0.861+/-0.015 χ²/NDF: 198493.3/21



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -1.323+/-0.038 χ^2/NDF:1706.9/3

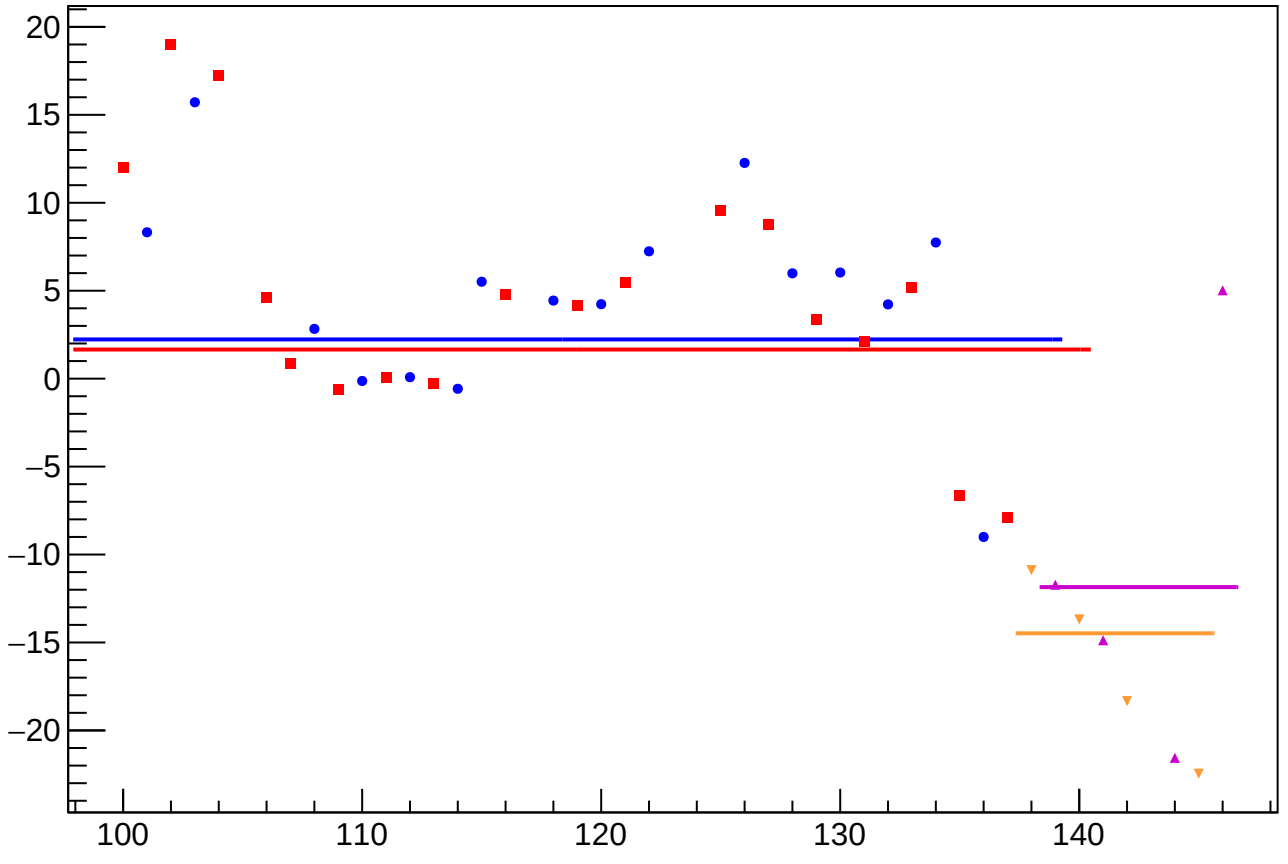
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -1.597+/-0.034 χ^2/NDF:3215.3/3

\+ sign -0.022+/-0.018 χ^2/NDF: 5755.8/19

All: -0.096+/-0.012 χ^2/NDF: 12963.3/41

\- sign -0.161+/-0.017 χ^2/NDF: 7176.2/21



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -14.477+/-0.045 χ^2/NDF:8141.7/3

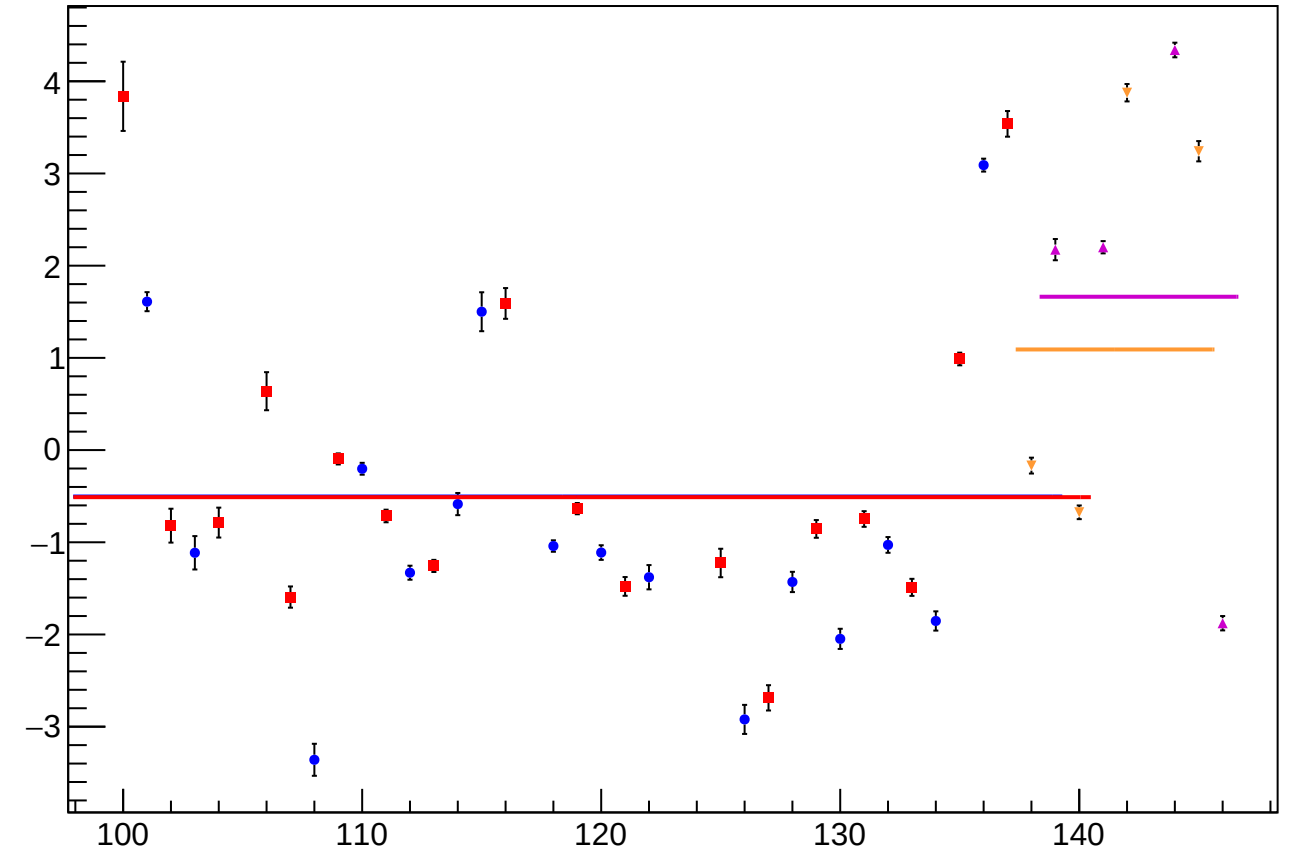
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -11.851+/-0.042 χ^2/NDF:38155.5/3

+ sign -1.084+/-0.020 χ^2/NDF: 189055.2/19

All: -1.014+/-0.014 χ^2/NDF: 384399.2/41

- sign -0.955+/-0.018 χ^2/NDF: 195321.2/21



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: 1.091+/-0.044 χ^2/NDF:2032.2/3

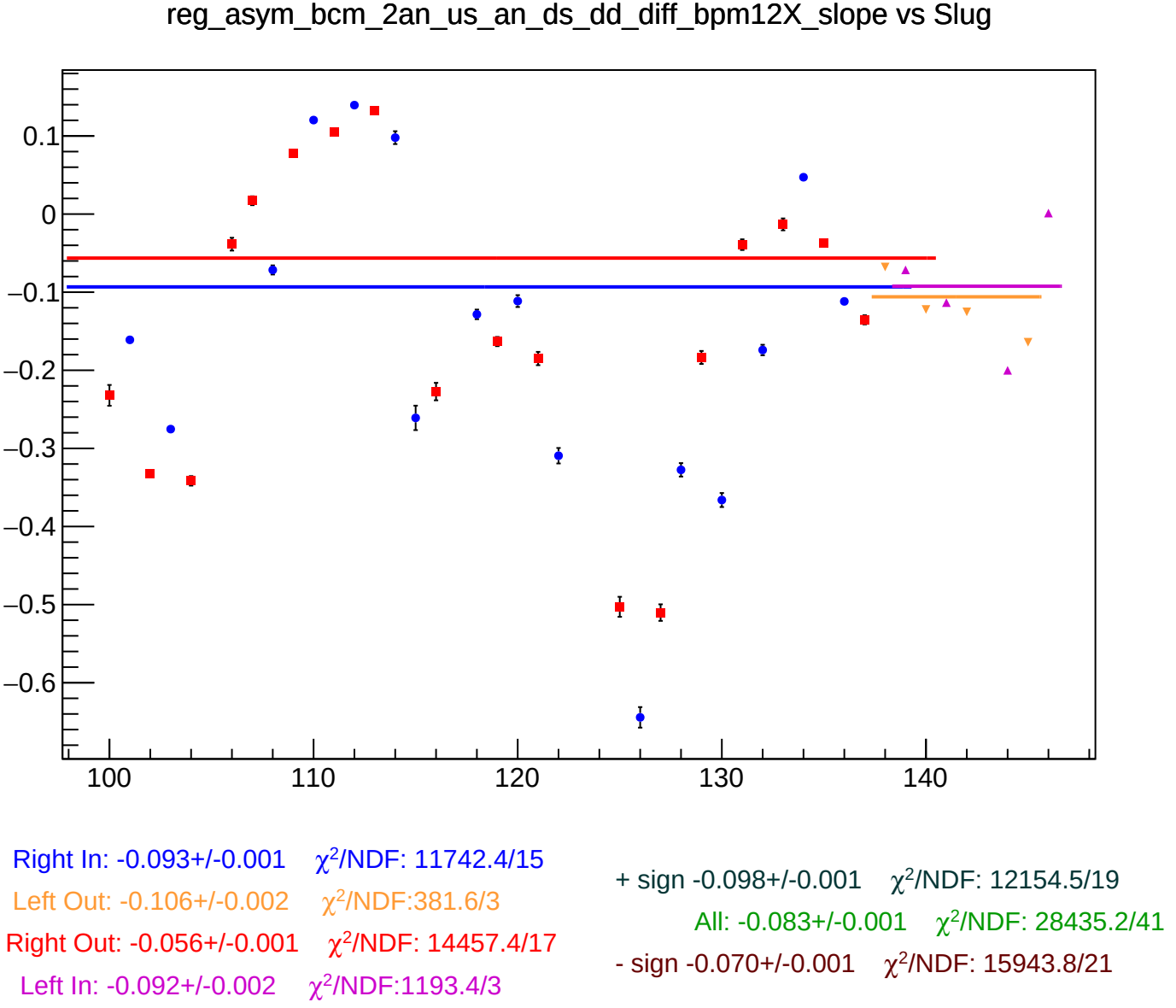
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

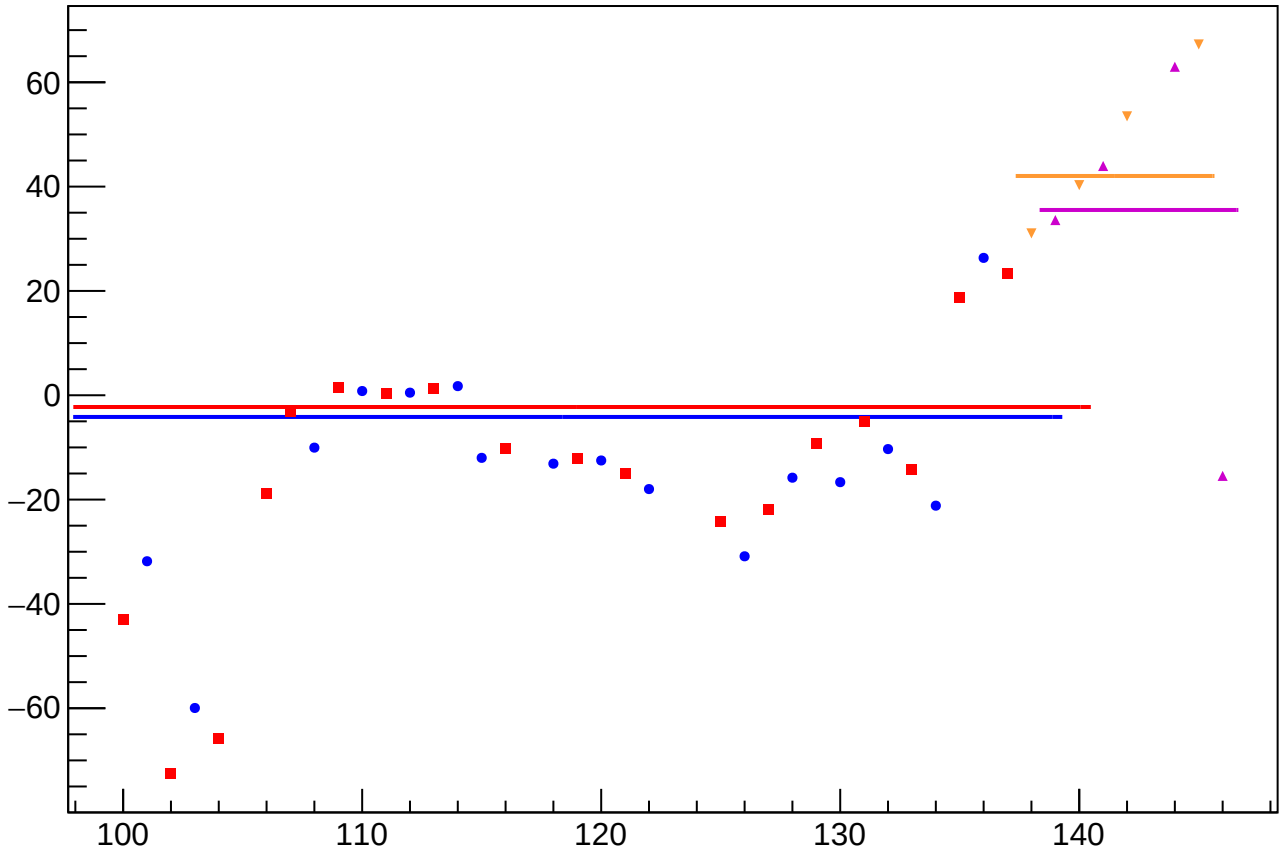
Left In: 1.663+/-0.040 χ^2/NDF:3284.9/3

\+ sign -0.148+/-0.021 χ^2/NDF: 7489.5/19

All: -0.067+/-0.014 χ^2/NDF: 15479.9/41

\- sign 0.003+/-0.019 χ^2/NDF: 7962.5/21


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
Right In: -0.093+/-0.001 χ²/NDF: 11742.4/15
Left Out: -0.106+/-0.002 χ²/NDF:381.6/3
Right Out: -0.056+/-0.001 χ²/NDF: 14457.4/17
Left In: -0.092+/-0.002 χ²/NDF:1193.4/3
+ sign -0.098+/-0.001 χ²/NDF: 12154.5/19
All: -0.083+/-0.001 χ²/NDF: 28435.2/41
- sign -0.070+/-0.001 χ²/NDF: 15943.8/21



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 42.037+/-0.127 χ^2/NDF:9546.2/3

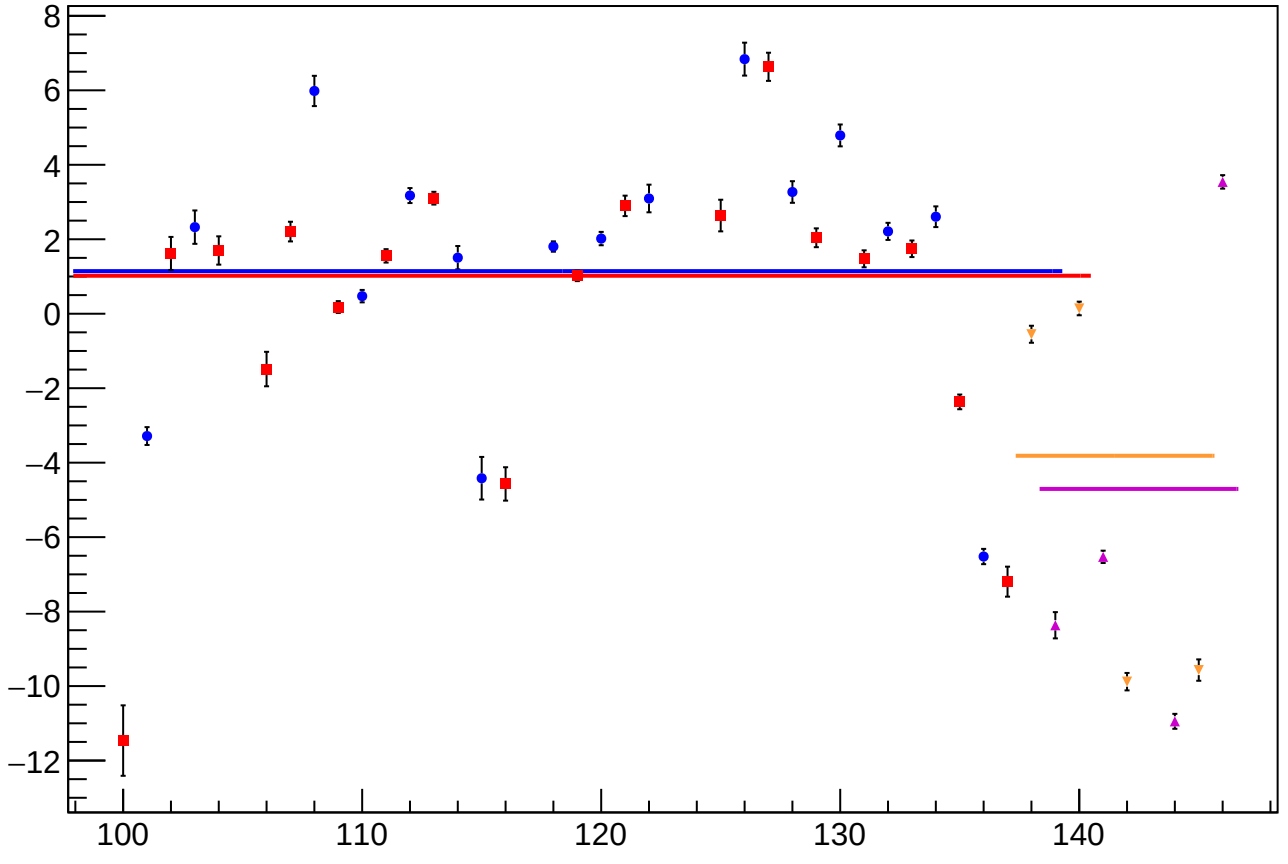
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 35.520+/-0.120 χ^2/NDF:36566.0/3

+ sign 2.979+/-0.050 χ^2/NDF: 196489.9/19

All: 2.730+/-0.033 χ^2/NDF: 398513.6/41

- sign 2.547+/-0.043 χ^2/NDF: 201980.6/21



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -3.815+/-0.112 χ^2/NDF:1743.7/3

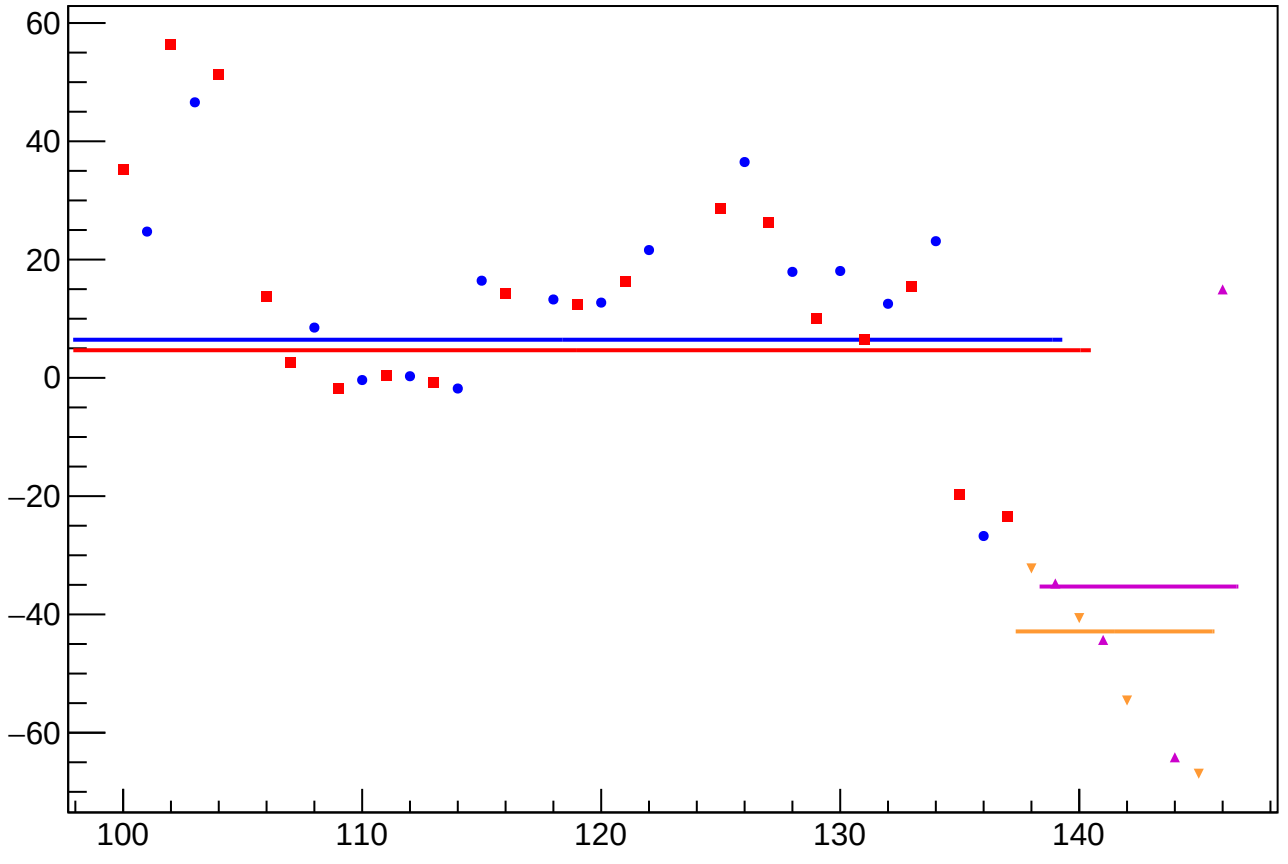
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -4.705+/-0.100 χ^2/NDF:3266.5/3

+ sign 0.039+/-0.053 χ^2/NDF: 5854.9/19

All: -0.188+/-0.036 χ^2/NDF: 13216.0/41

- sign -0.387+/-0.050 χ^2/NDF: 7326.7/21



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -42.875+/-0.132 χ^2/NDF:8411.8/3

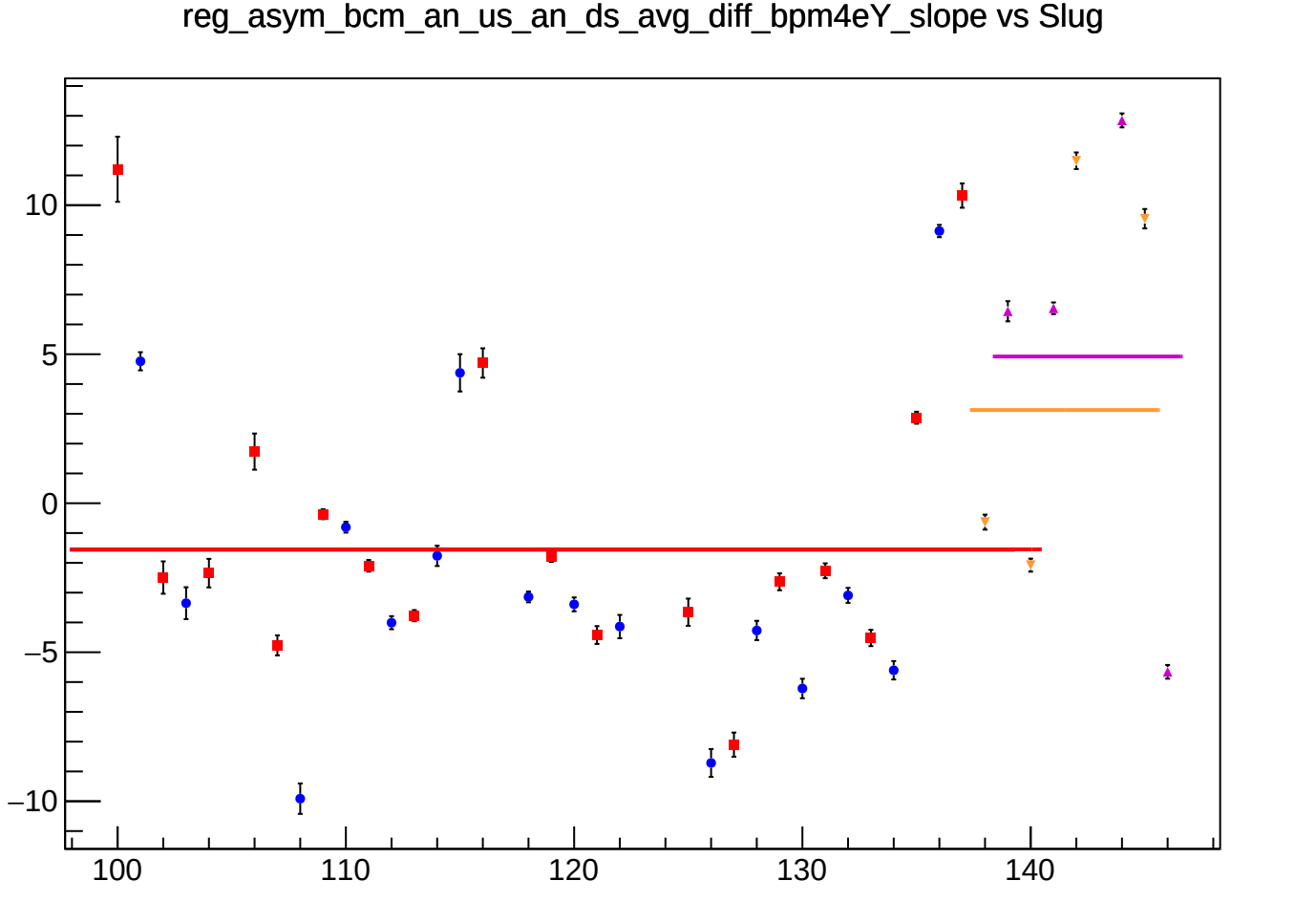
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -35.285+/-0.123 χ^2/NDF:38593.0/3

+ sign -3.194+/-0.058 χ^2/NDF: 192183.6/19

All: -2.976+/-0.039 χ^2/NDF: 390871.5/41

- sign -2.793+/-0.053 χ^2/NDF: 198662.1/21



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 3.127+/-0.130 χ^2/NDF:2076.1/3

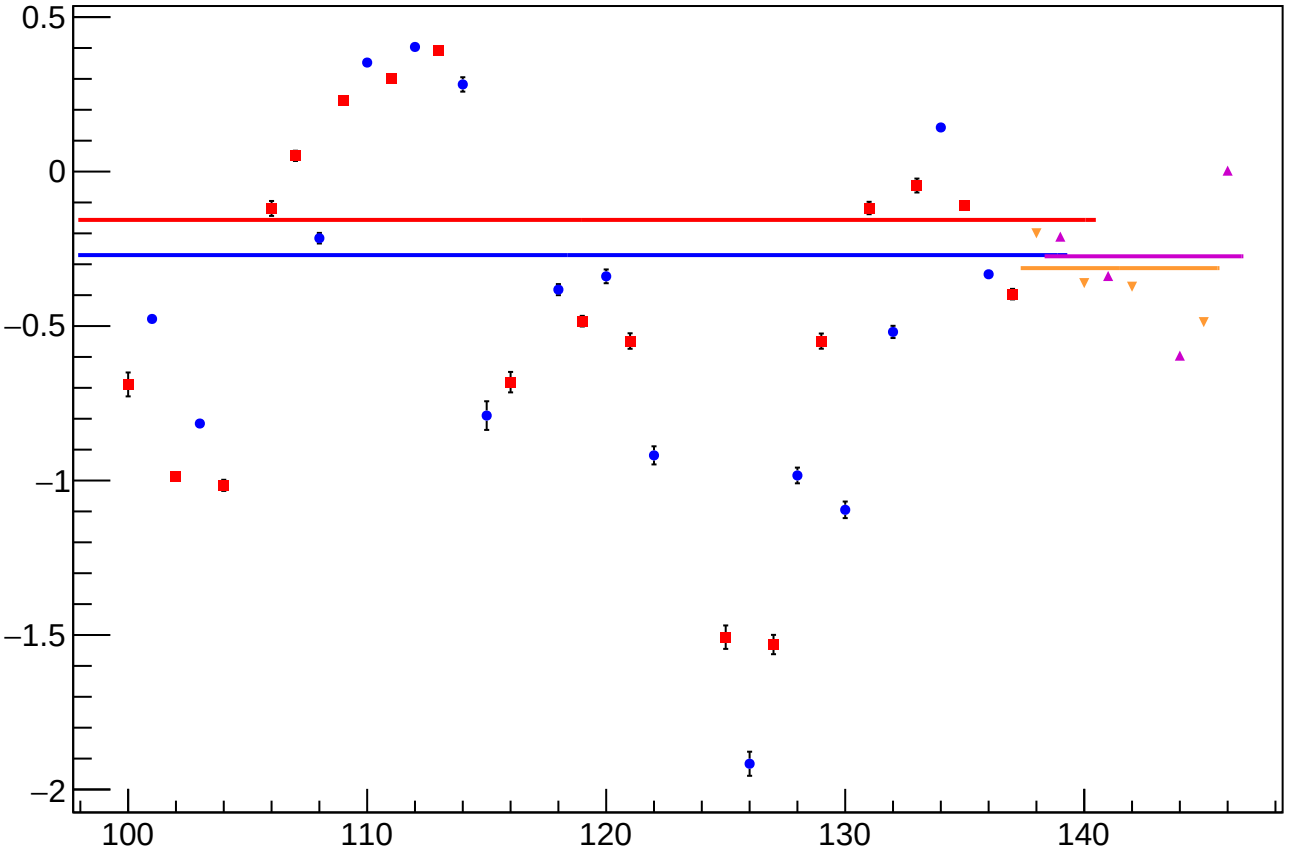
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 4.922+/-0.118 χ^2/NDF:3329.4/3

+ sign -0.527+/-0.061 χ^2/NDF: 7627.8/19

All: -0.276+/-0.042 χ^2/NDF: 15769.2/41

- sign -0.061+/-0.057 χ^2/NDF: 8110.2/21



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.313+/-0.005 χ^2/NDF:392.6/3

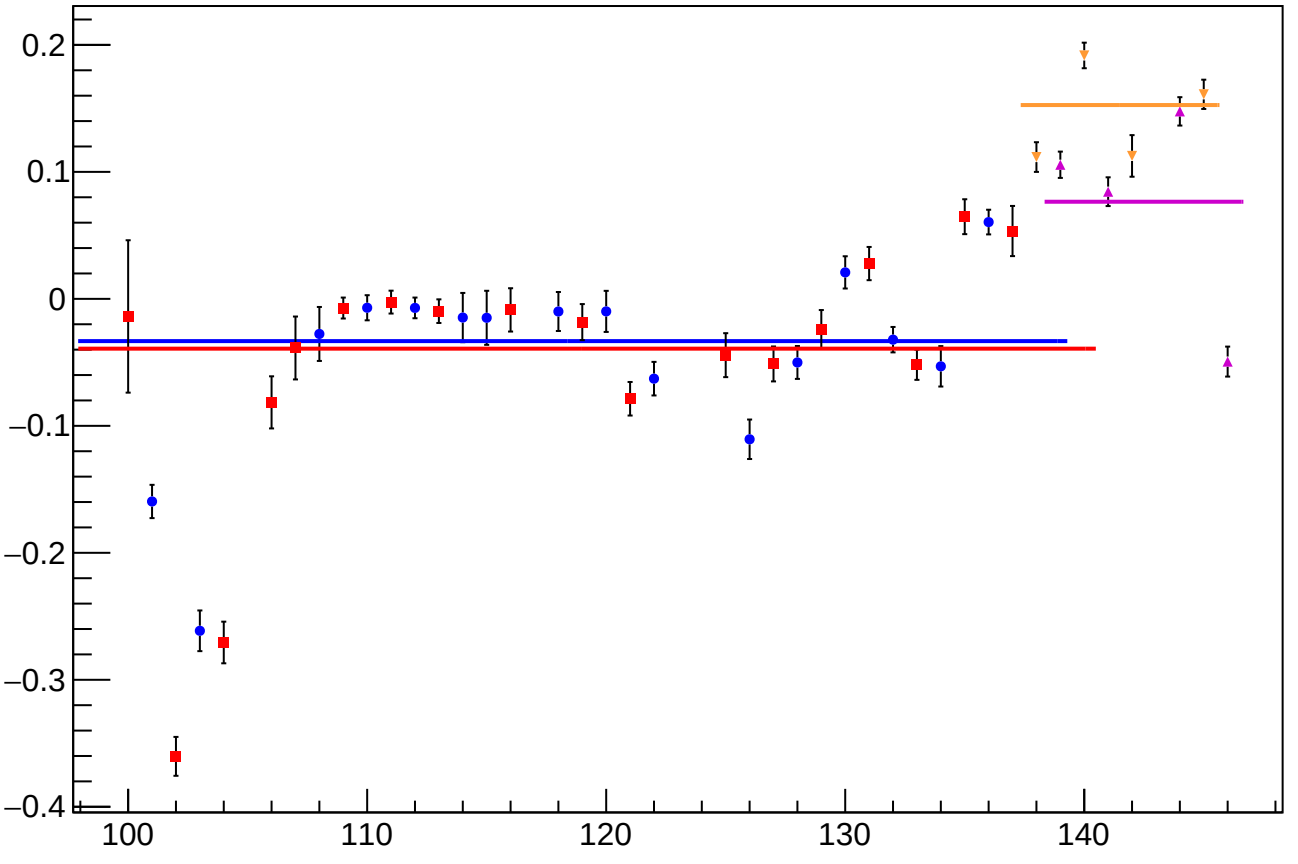
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.274+/-0.005 χ^2/NDF:1213.5/3

\+ sign -0.286+/-0.003 χ^2/NDF: 12528.4/19

All: -0.240+/-0.002 χ^2/NDF: 29507.7/41

\- sign -0.201+/-0.003 χ^2/NDF: 16608.9/21



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.153+/-0.006 χ^2/NDF:33.8/3

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

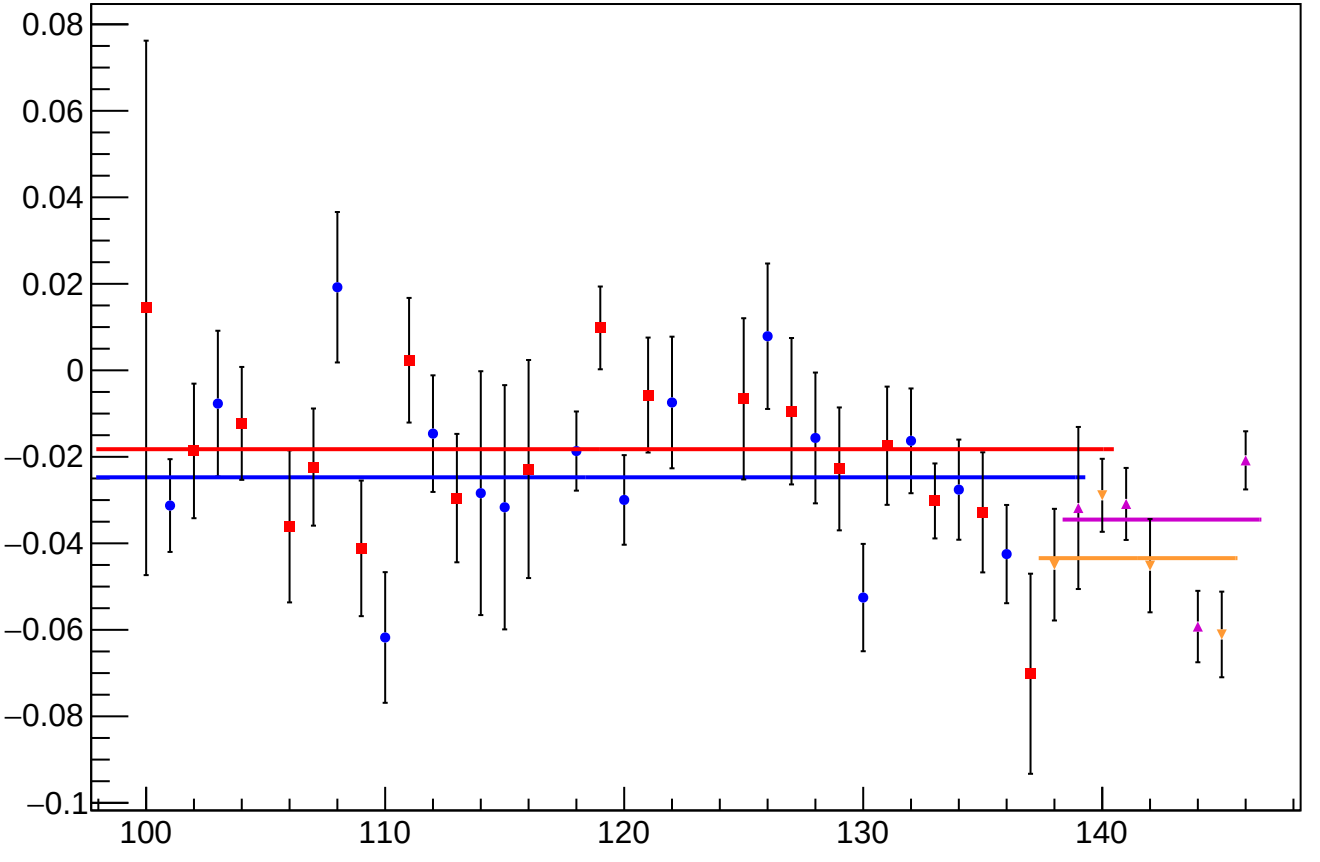
Left In: 0.076+/-0.006 χ^2/NDF:162.7/3

+ sign 0.009+/-0.003 χ^2/NDF: 1257.0/19

All: -0.001+/-0.002 χ^2/NDF: 2577.9/41

- sign -0.011+/-0.003 χ^2/NDF: 1296.1/21

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.043+/-0.005 χ^2/NDF:6.2/3

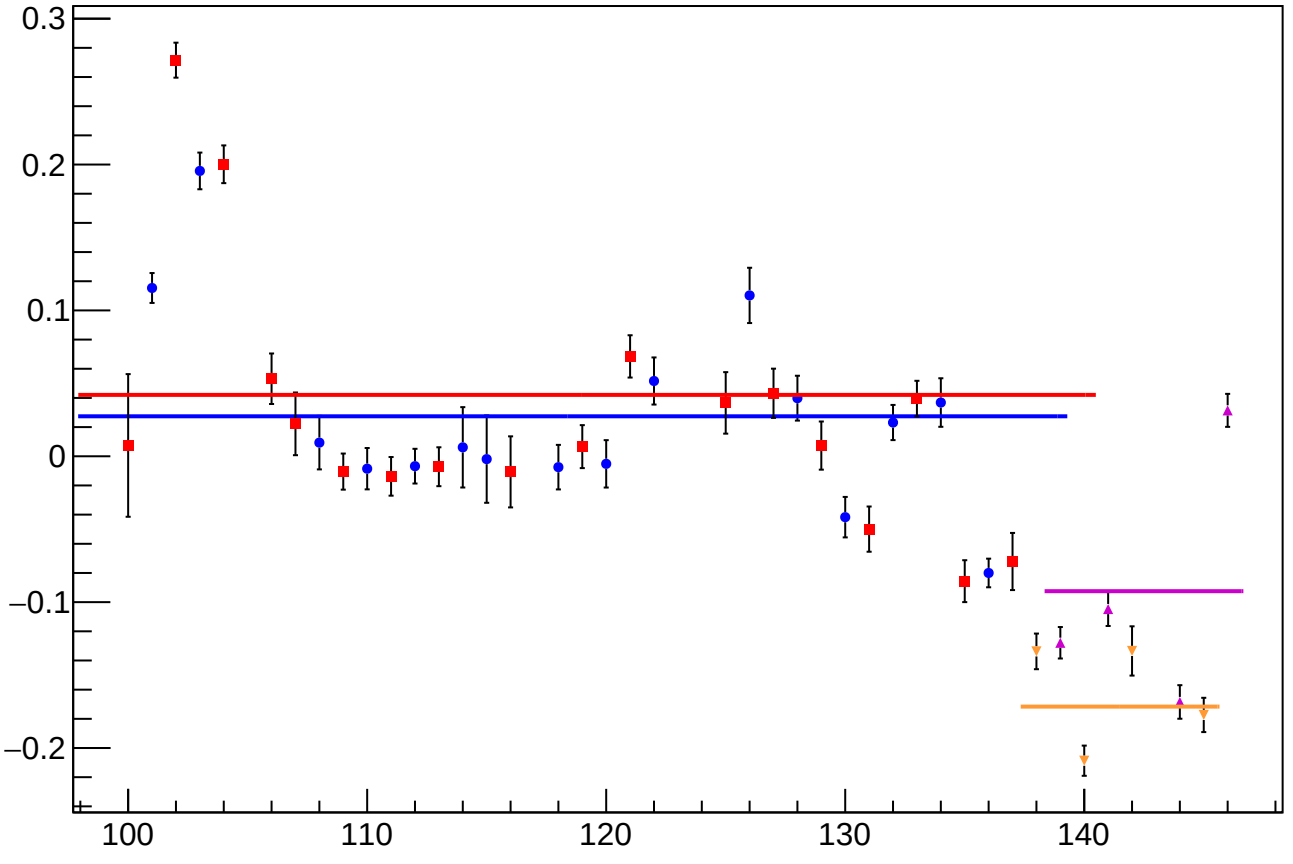
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.035+/-0.004 χ^2/NDF:13.3/3

+ sign -0.030+/-0.003 χ^2/NDF: 44.2/19

All: -0.027+/-0.002 χ^2/NDF: 93.4/41

- sign -0.024+/-0.003 χ^2/NDF: 46.9/21



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.172+/-0.006 χ^2/NDF:27.8/3

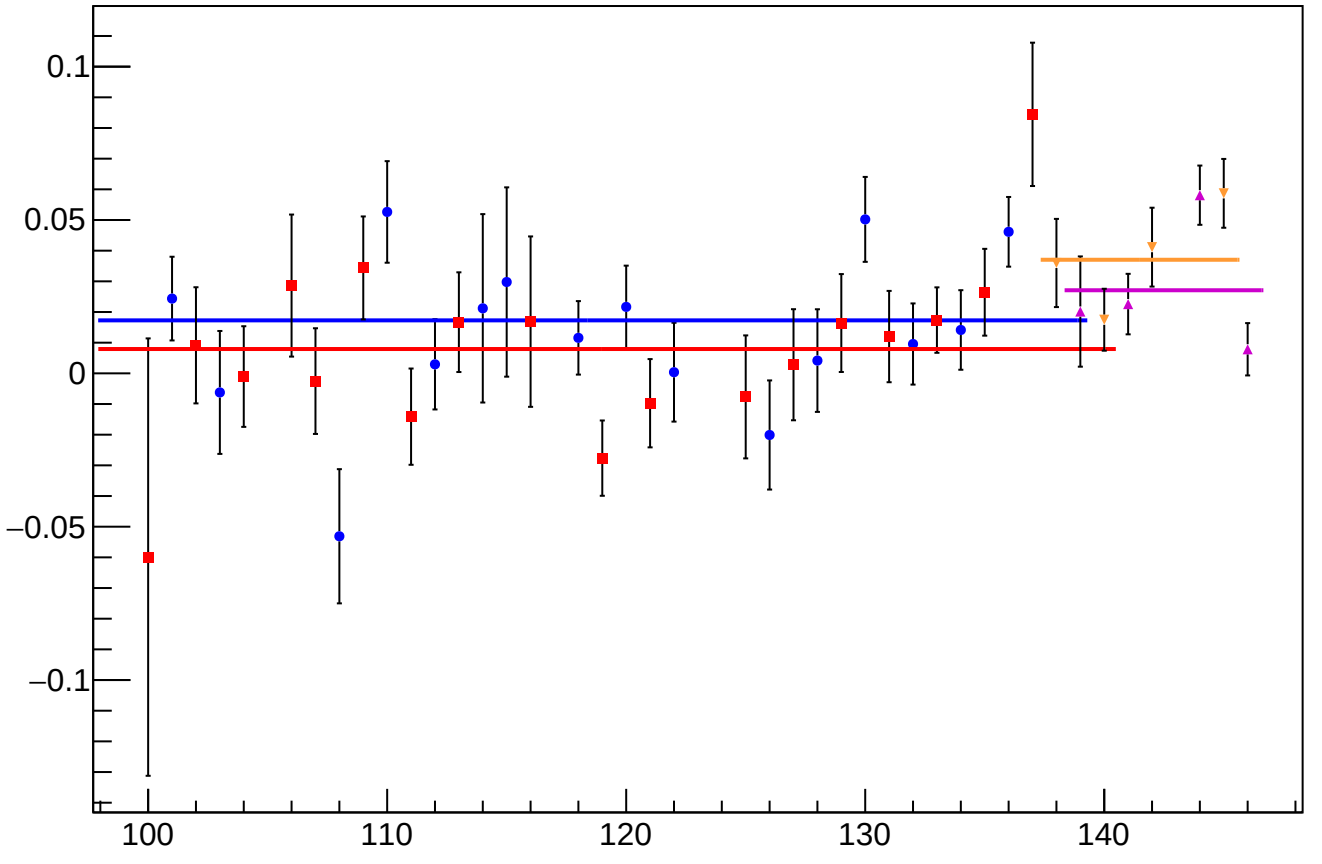
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.092+/-0.006 χ^2/NDF:175.5/3

\+ sign -0.023+/-0.003 χ^2/NDF: 1264.2/19

All: -0.010+/-0.002 χ^2/NDF: 2609.9/41

\- sign 0.003+/-0.003 χ^2/NDF: 1310.1/21



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.037+/-0.006 χ^2/NDF:7.6/3

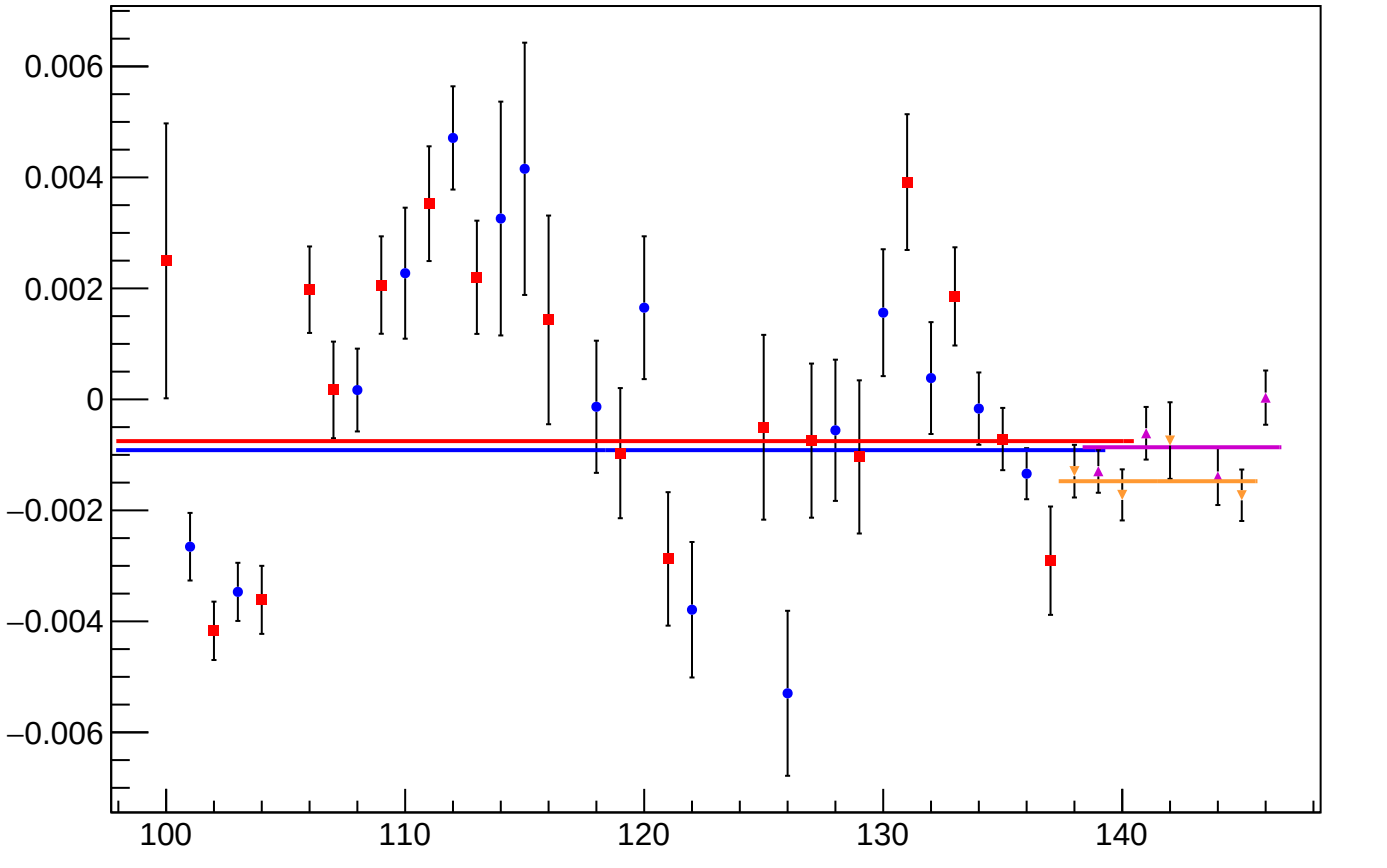
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.027+/-0.005 χ^2/NDF:15.7/3

+ sign 0.023+/-0.003 χ^2/NDF: 52.1/19

All: 0.019+/-0.002 χ^2/NDF: 111.4/41

- sign 0.015+/-0.003 χ^2/NDF: 55.9/21



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:1.9/3

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

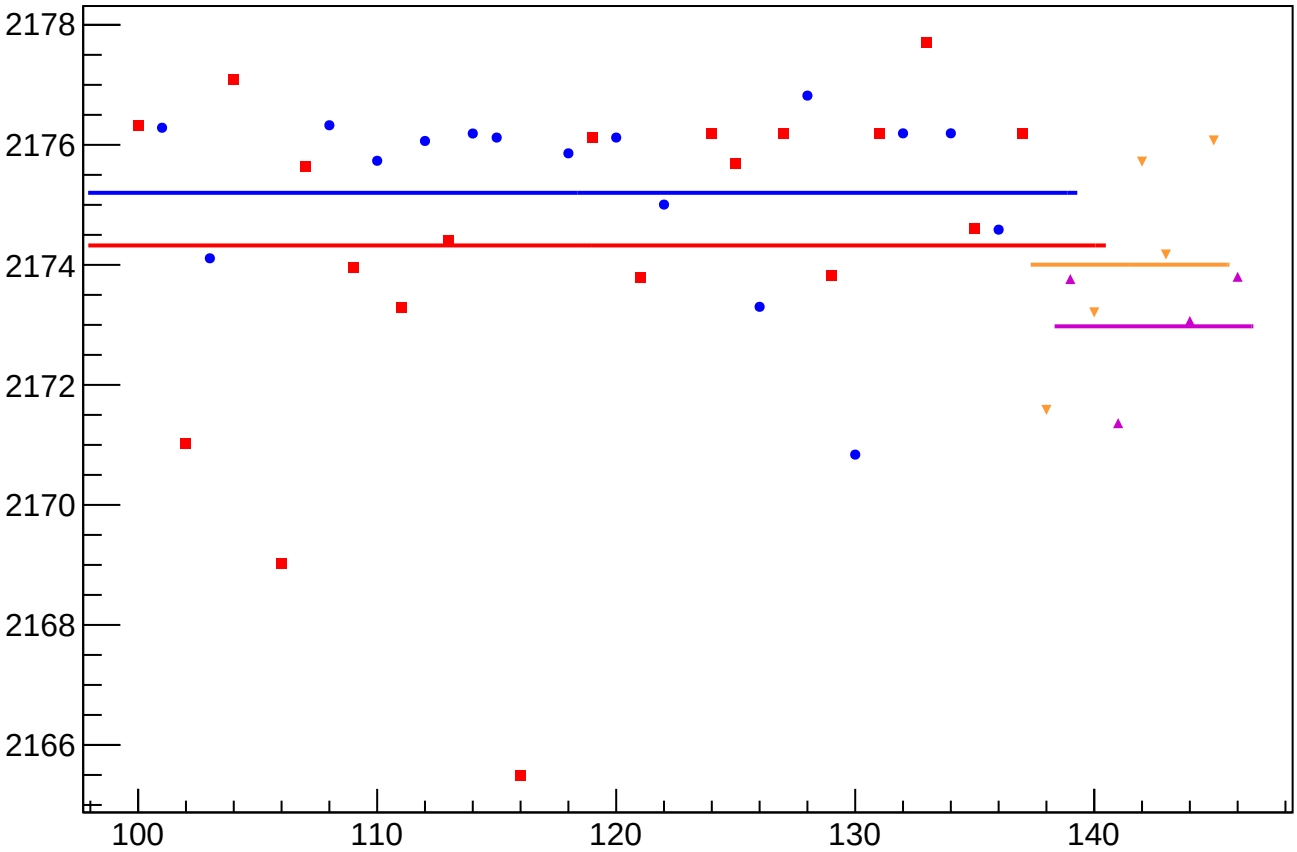
Left In: -0.001+/-0.000 χ^2/NDF:5.9/3

+ sign -0.001+/-0.000 χ^2/NDF: 118.8/19

All: -0.001+/-0.000 χ^2/NDF: 274.8/41

- sign -0.001+/-0.000 χ^2/NDF: 153.6/21

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

+ sign 2174.794+/-0.000 χ^2/NDF: 3151086521858

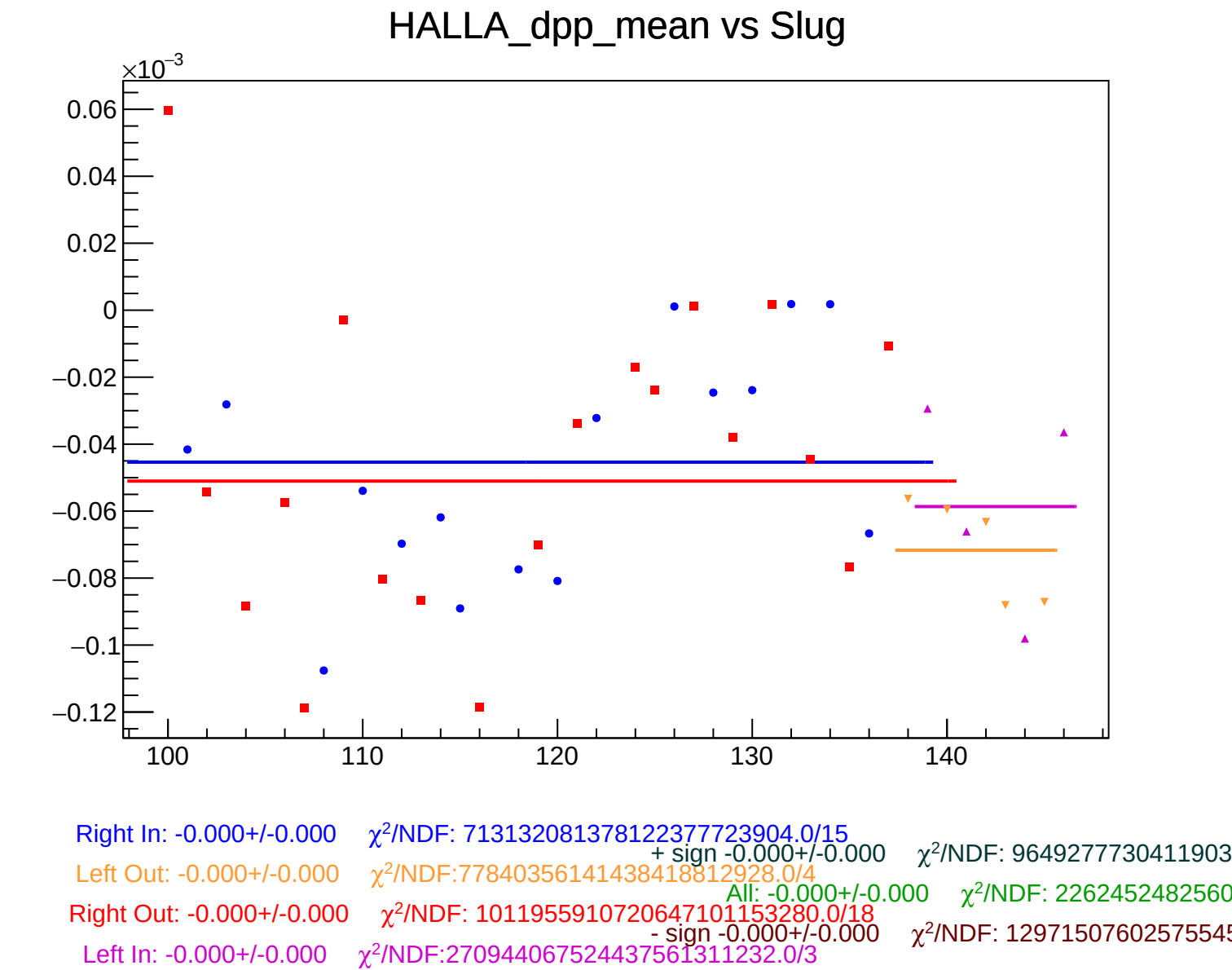
Left Out: 2174.003+/-0.000 χ^2/NDF:10245289551869720032139007586467 84.0/4

All: 2174.340+/-0.000 χ^2/NDF: 995946234

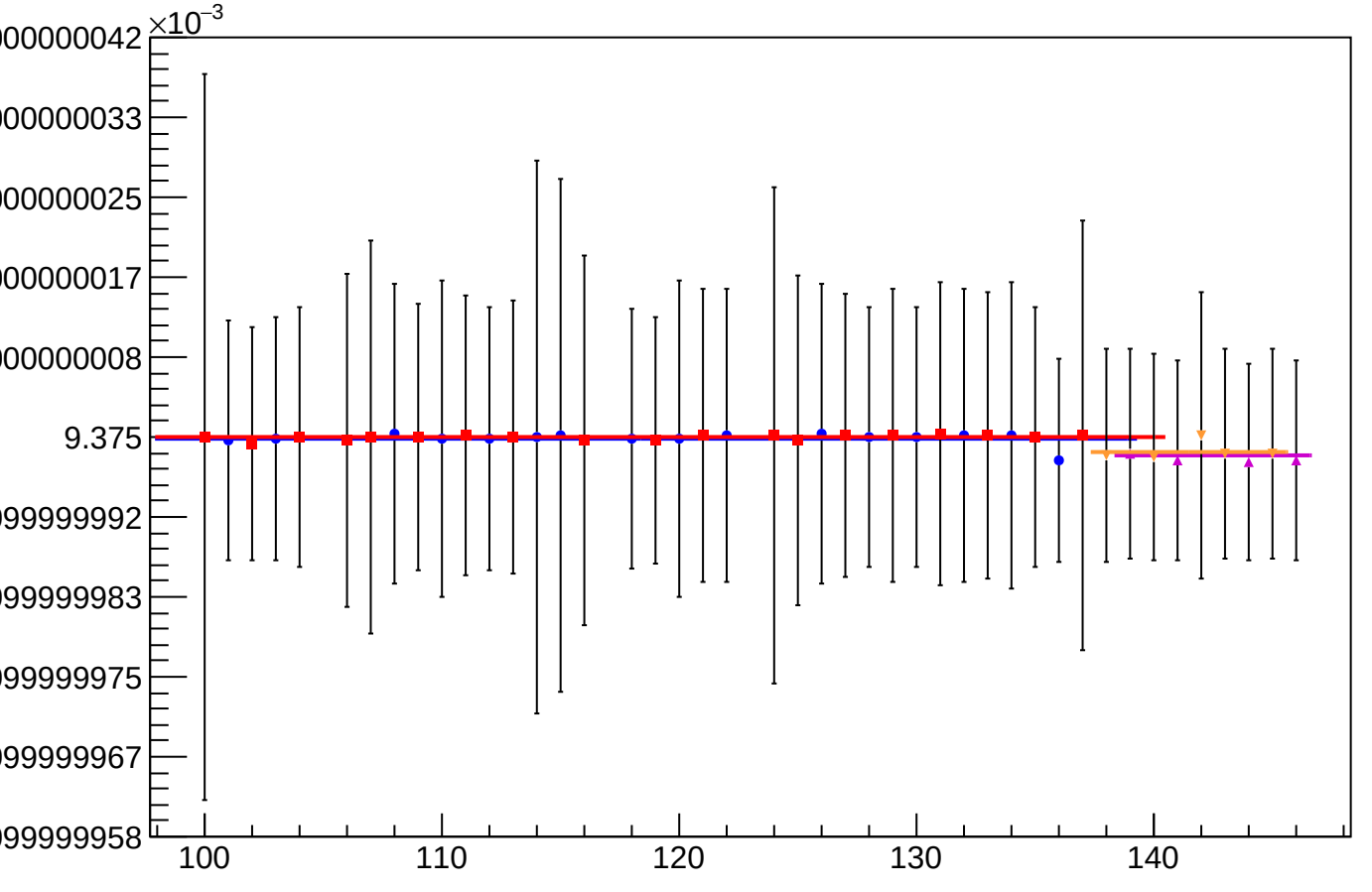
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

- sign 2173.889+/-0.000 χ^2/NDF: 6347050339699

Left In: 2172.976+/-0.000 χ^2/NDF:35704757905236597823699046681 8048.0/3


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
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:7784035614143841881292 8.0/4
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532 80.0/18
Left In: -0.000+/-0.000 χ²/NDF:27094406752443756131123 2.0/3
+ sign -0.000+/-0.000 χ²/NDF: 9649277730411903
All: -0.000+/-0.000 χ²/NDF: 2262452482560
- sign -0.000+/-0.000 χ²/NDF: 1297150760257554

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:0.0/4

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

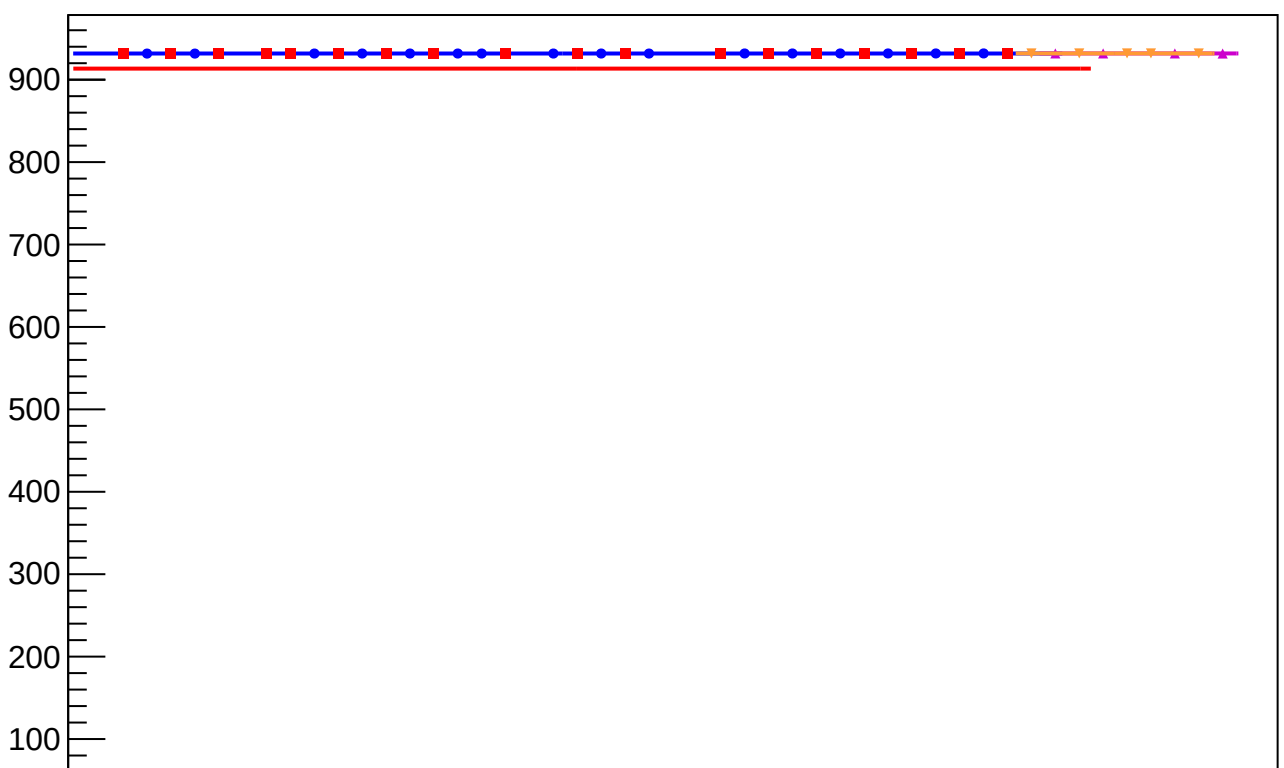
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/43

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 27572172235950011871676858368000.0/15

+ sign 931.802+/-0.000 χ^2/NDF: 516345971633558

Left Out: 931.865+/-0.000 χ^2/NDF:954407444165110595766636833792.0/4

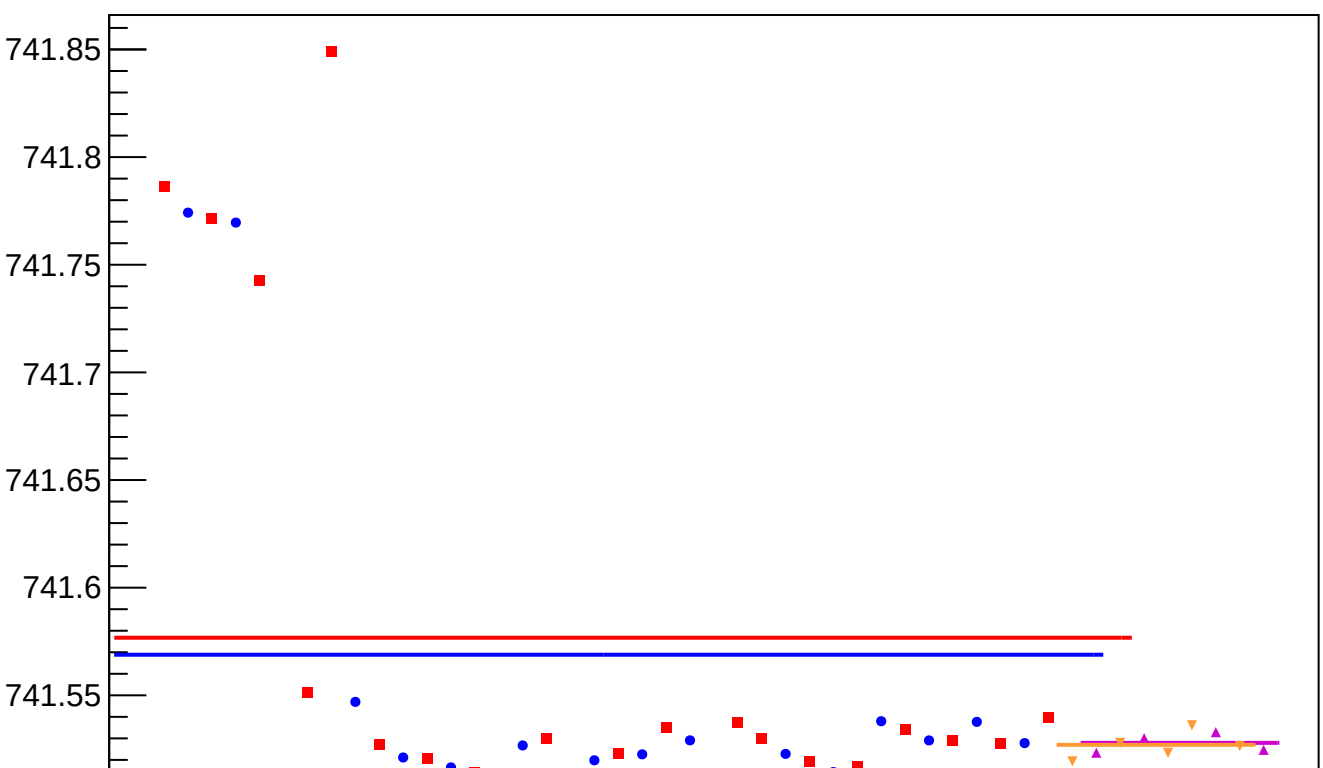
All: 925.581+/-0.000 χ^2/NDF: 12935898231

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 919.387+/-0.000 χ^2/NDF: 128492421337928

Left In: 931.839+/-0.000 χ^2/NDF:10094928413085274929815711907840.0/3

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.527+/-0.000 χ^2/NDF:123862746165827244179545128960.0/4

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

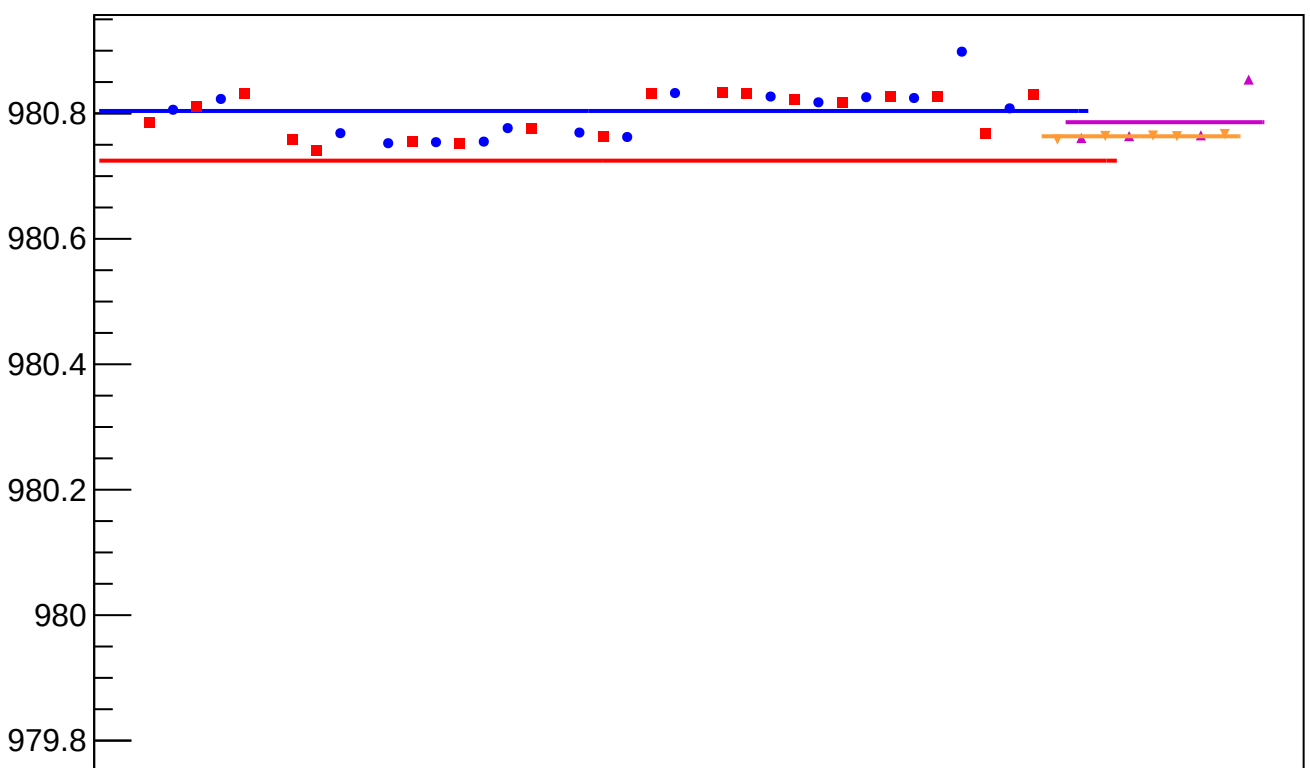
Left In: 741.528+/-0.000 χ^2/NDF:553424996518344192774950092 8.0/3

+ sign 741.555+/-0.000 χ^2/NDF: 68862194643174

All: 741.558+/-0.000 χ^2/NDF: 151944219442

- sign 741.561+/-0.000 χ^2/NDF: 828558775545036

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.764+/-0.000 χ^2/NDF:3521128462250947608544542720.0/4

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

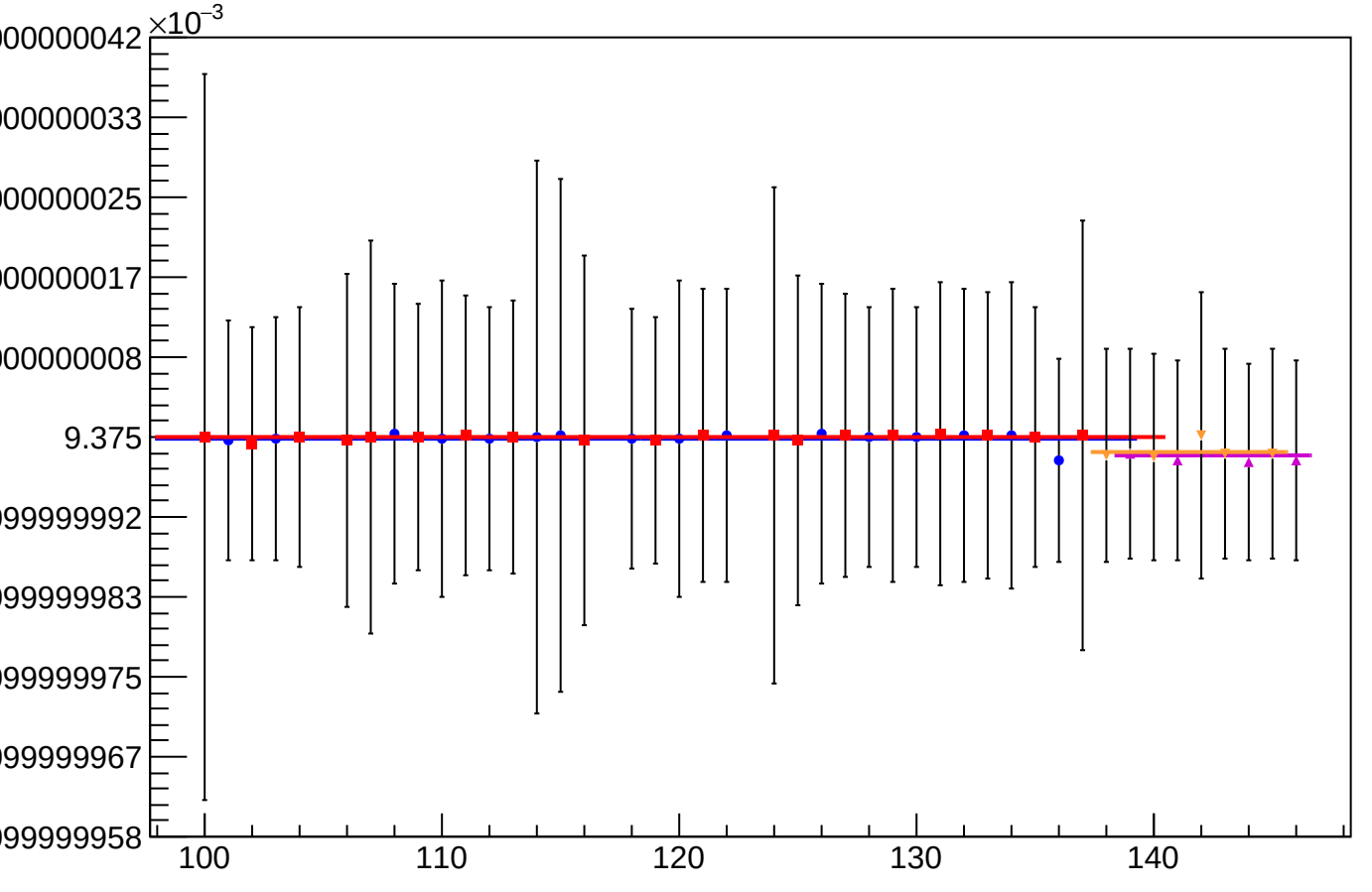
Left In: 980.786+/-0.000 χ^2/NDF:561444028599280364896636633088.0/3

+ sign 980.790+/-0.000 χ^2/NDF: 134692343094232

All: 980.767+/-0.000 χ^2/NDF: 600495818506

- sign 980.744+/-0.000 χ^2/NDF: 575279072466142

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:0.0/4

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

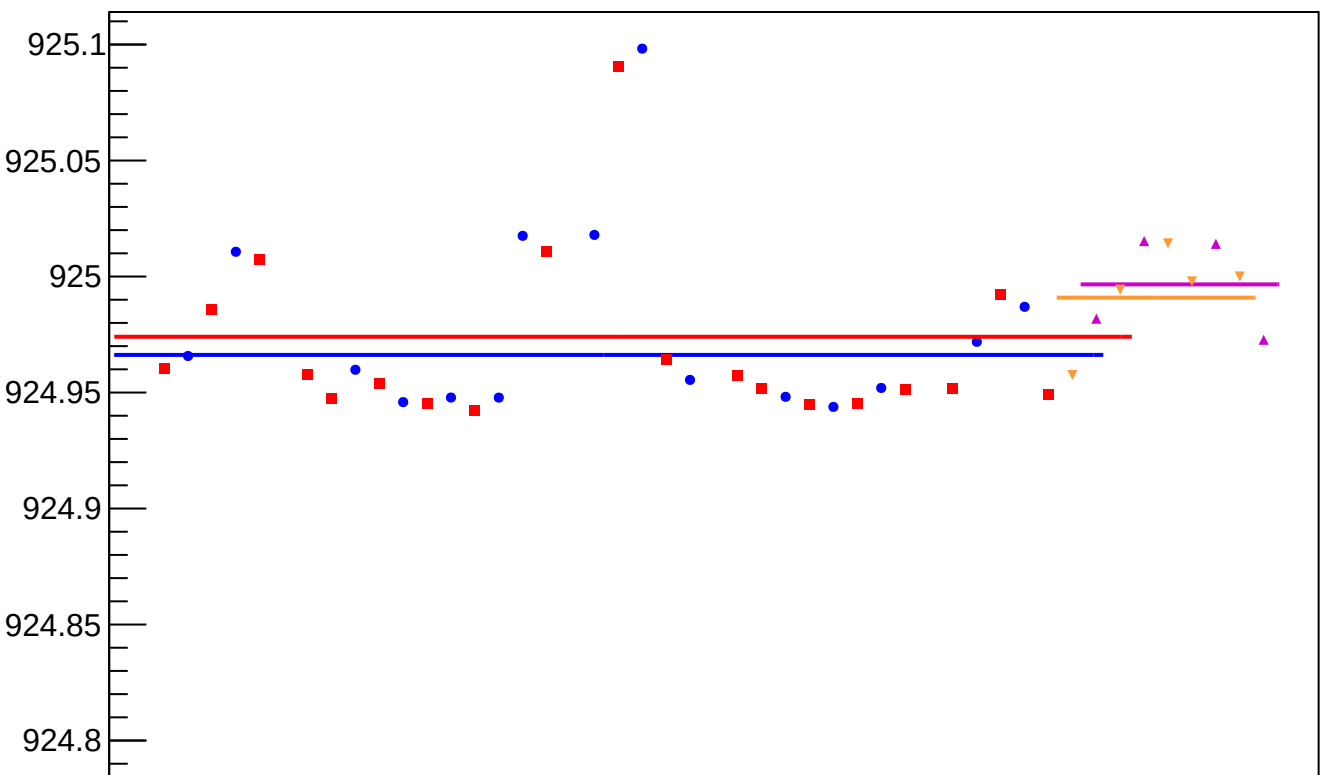
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/43

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.991+/-0.000 χ^2/NDF:1269318525708782671149389578240/4

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

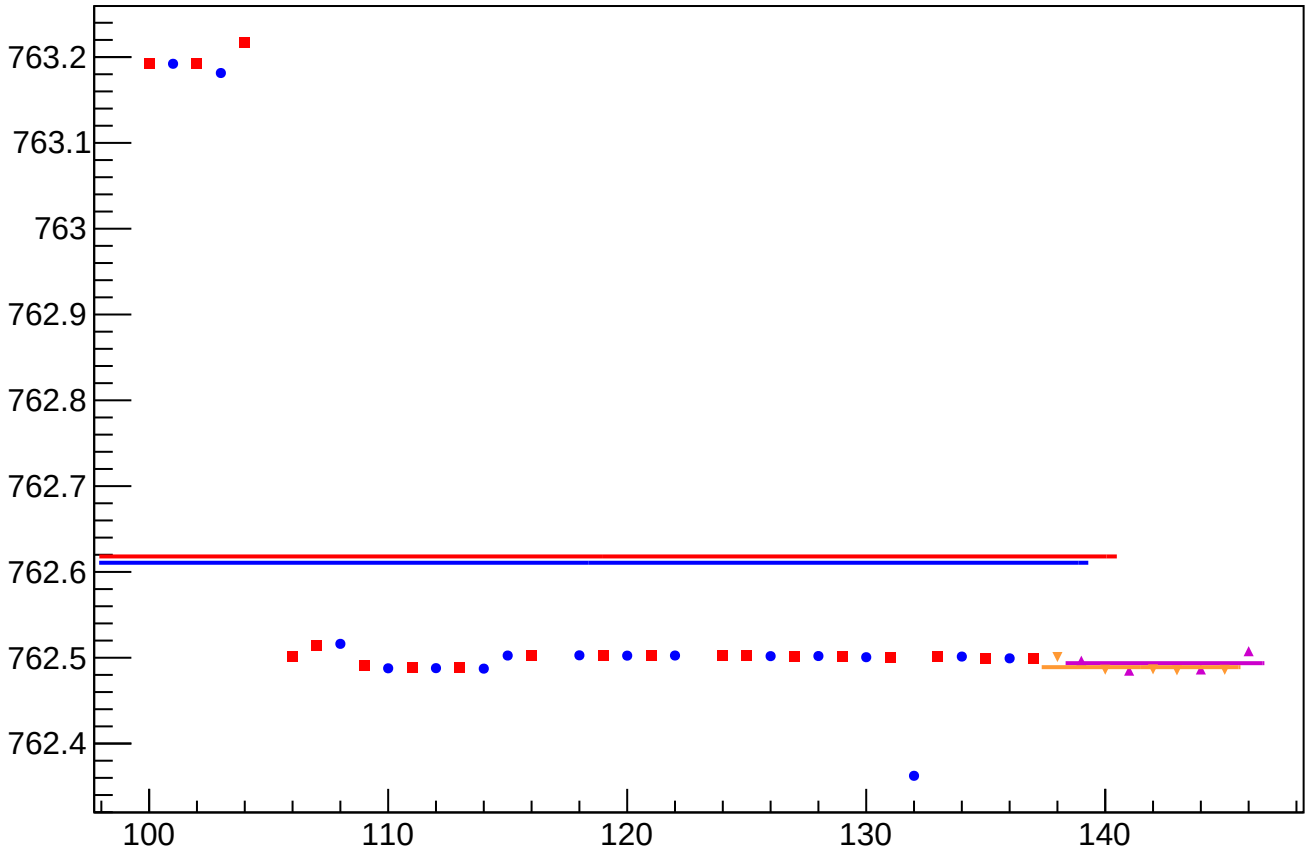
Left In: 924.997+/-0.000 χ^2/NDF:131964028886600929942647603200.0/3

+ sign 924.975+/-0.000 χ^2/NDF: 282461908385040

All: 924.978+/-0.000 χ^2/NDF: 434965781742

- sign 924.981+/-0.000 χ^2/NDF: 149951878118081

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.489+/-0.000 χ^2/NDF:1434655491817232763286038528.0/4

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

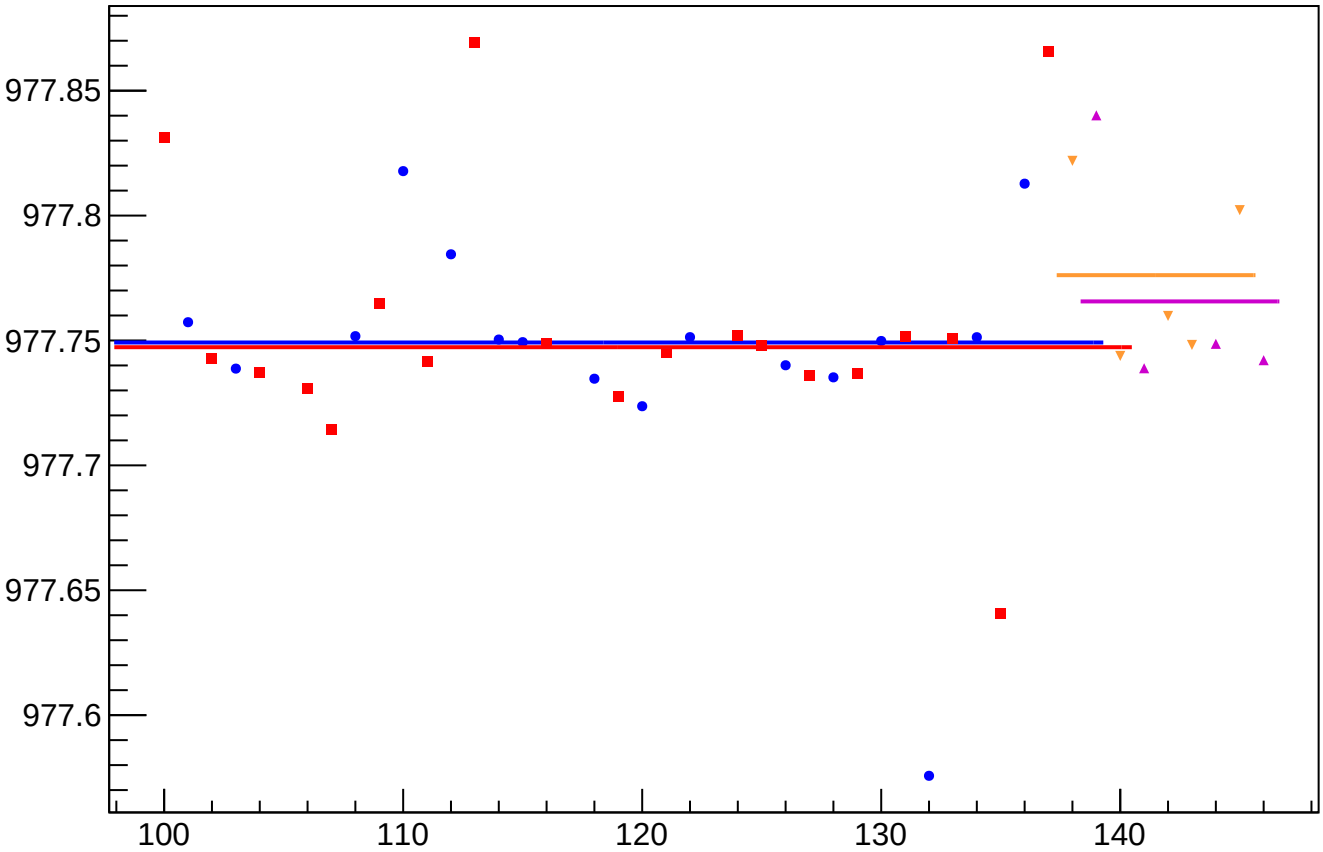
Left In: 762.494+/-0.000 χ^2/NDF:3066380498910710117705134899 2.0/3

+ sign 762.569+/-0.000 χ^2/NDF: 559008905491754

All: 762.574+/-0.000 χ^2/NDF: 11291889335

- sign 762.578+/-0.000 χ^2/NDF: 569774603947590

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.776+/-0.000 χ^2/NDF:39503642765172996655303937228 8.0/4

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

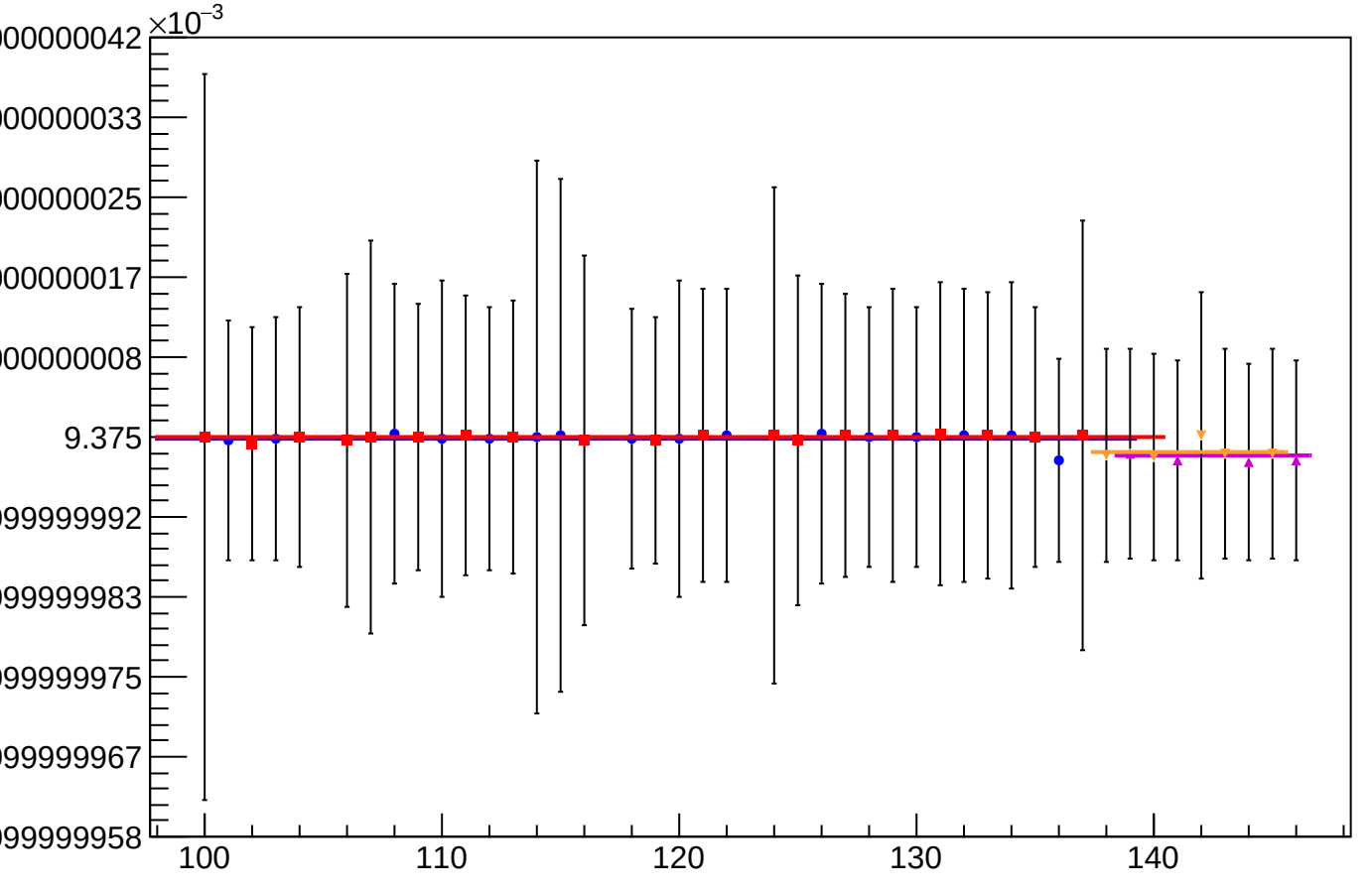
Left In: 977.766+/-0.000 χ^2/NDF:61082378111619413072892500377 6.0/3

+ sign 977.758+/-0.000 χ^2/NDF: 25373931382518

All: 977.756+/-0.000 χ^2/NDF: 5027984612

- sign 977.753+/-0.000 χ^2/NDF: 247585094792544

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:0.0/4

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

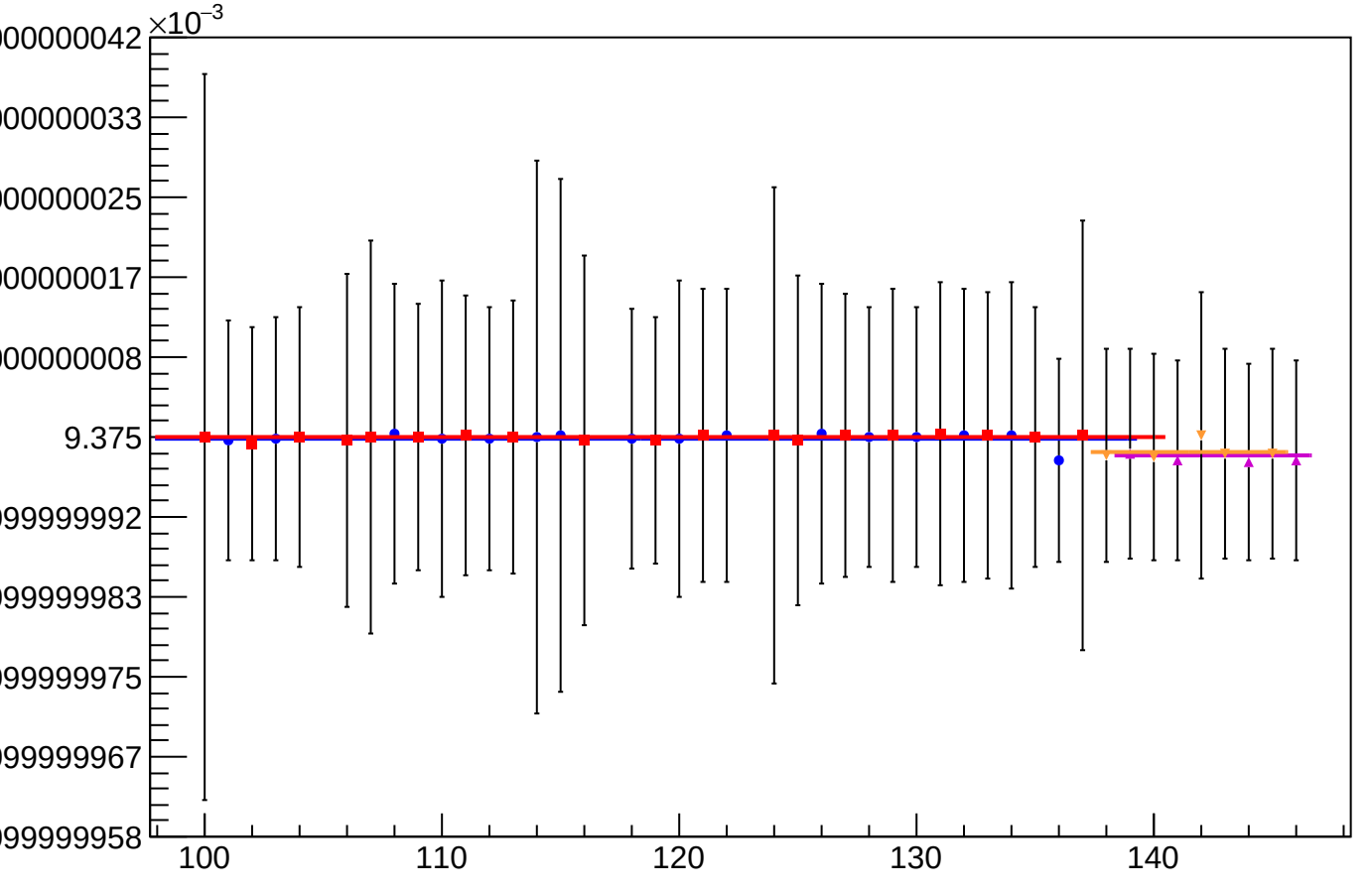
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/43

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

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:0.0/4

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

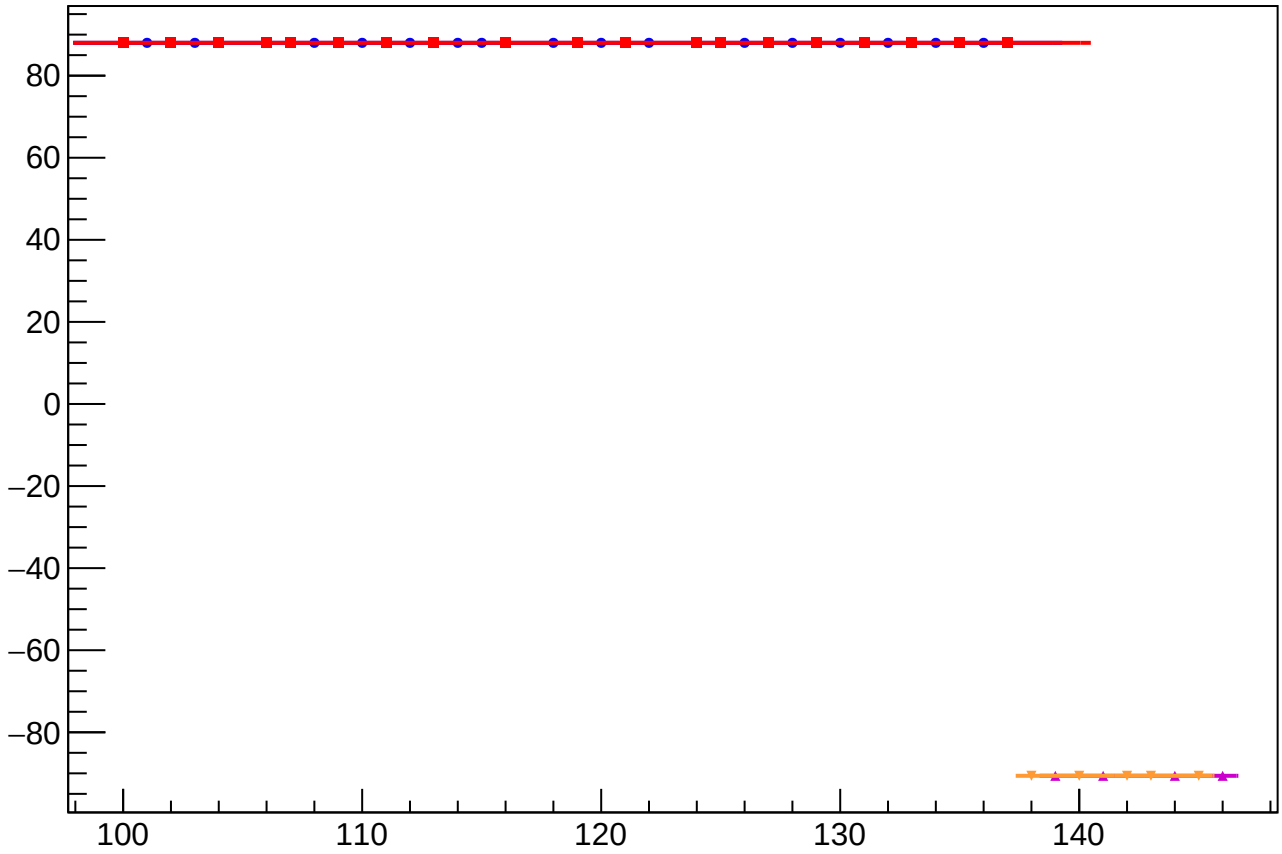
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/43

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

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:2526980.2/4

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360.0/18

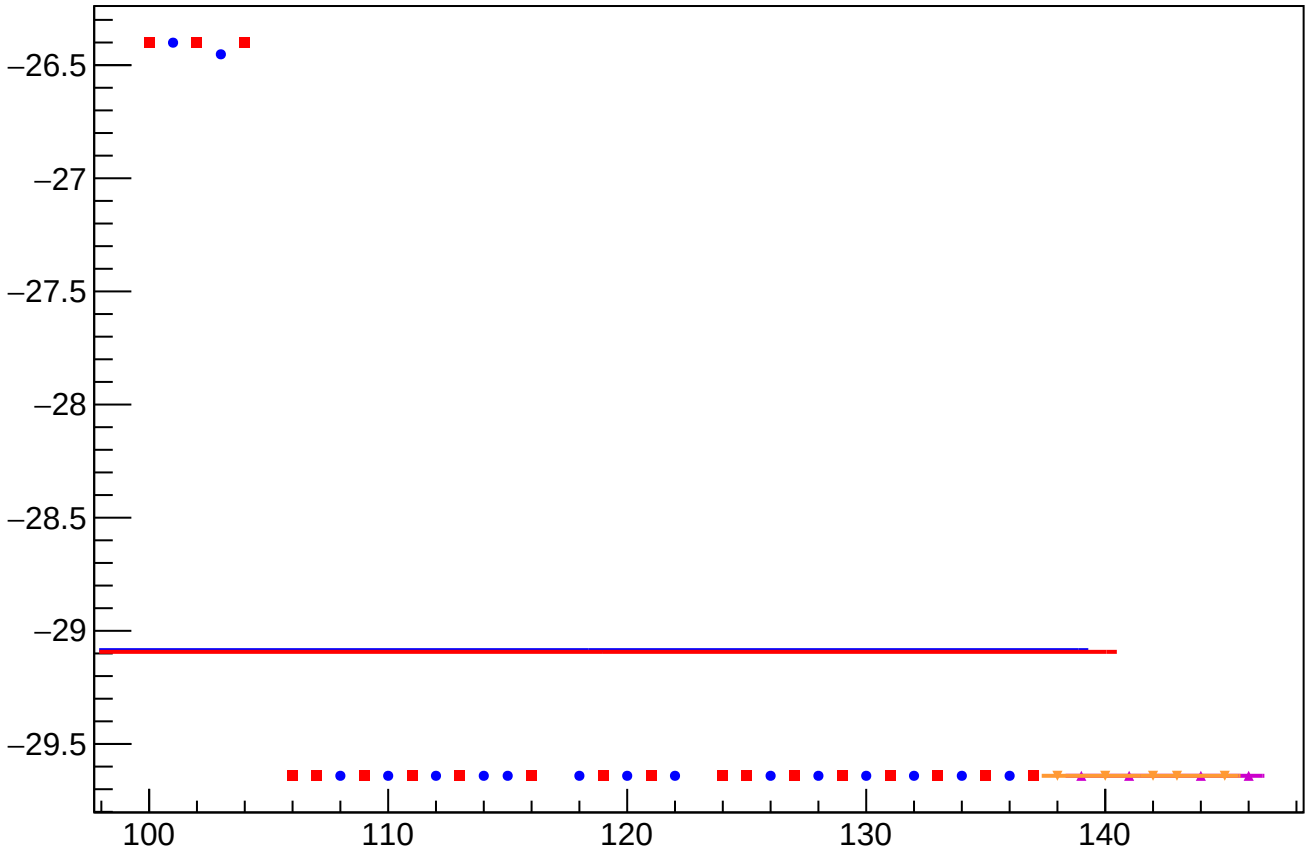
Left In: -90.599+/-0.000 χ^2/NDF:964707.5/3

+ sign 27.353+/-0.000 χ^2/NDF: 8026260218502663

All: 28.839+/-0.000 χ^2/NDF: 158922078045

- sign 30.318+/-0.000 χ^2/NDF: 7861004904404946

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:149000.0/4

Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:36514.8/3

+ sign -29.274+/-0.000 χ^2/NDF: 117195888953400

All: -29.272+/-0.000 χ^2/NDF: 237115391109

- sign -29.270+/-0.000 χ^2/NDF: 119918546512866

Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1467.979+/-0.000 χ^2/NDF:209690285.3/4

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

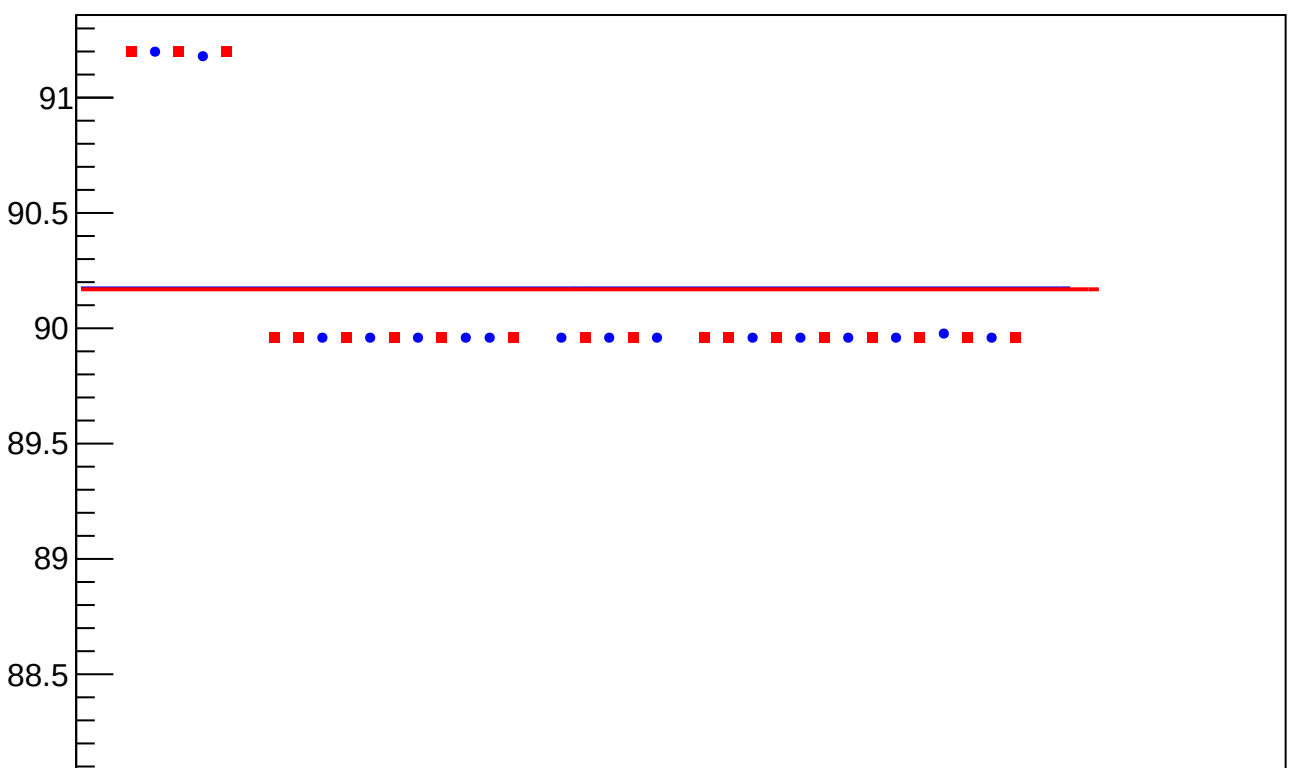
Left In: 1467.979+/-0.000 χ^2/NDF:85768289.8/3

+ sign 1471.604+/-0.000 χ^2/NDF: 1144730246518 4

All: 1471.624+/-0.000 χ^2/NDF: 231606383 58

- sign 1471.645+/-0.000 χ^2/NDF: 1171324254952 2

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2214364.1/4

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

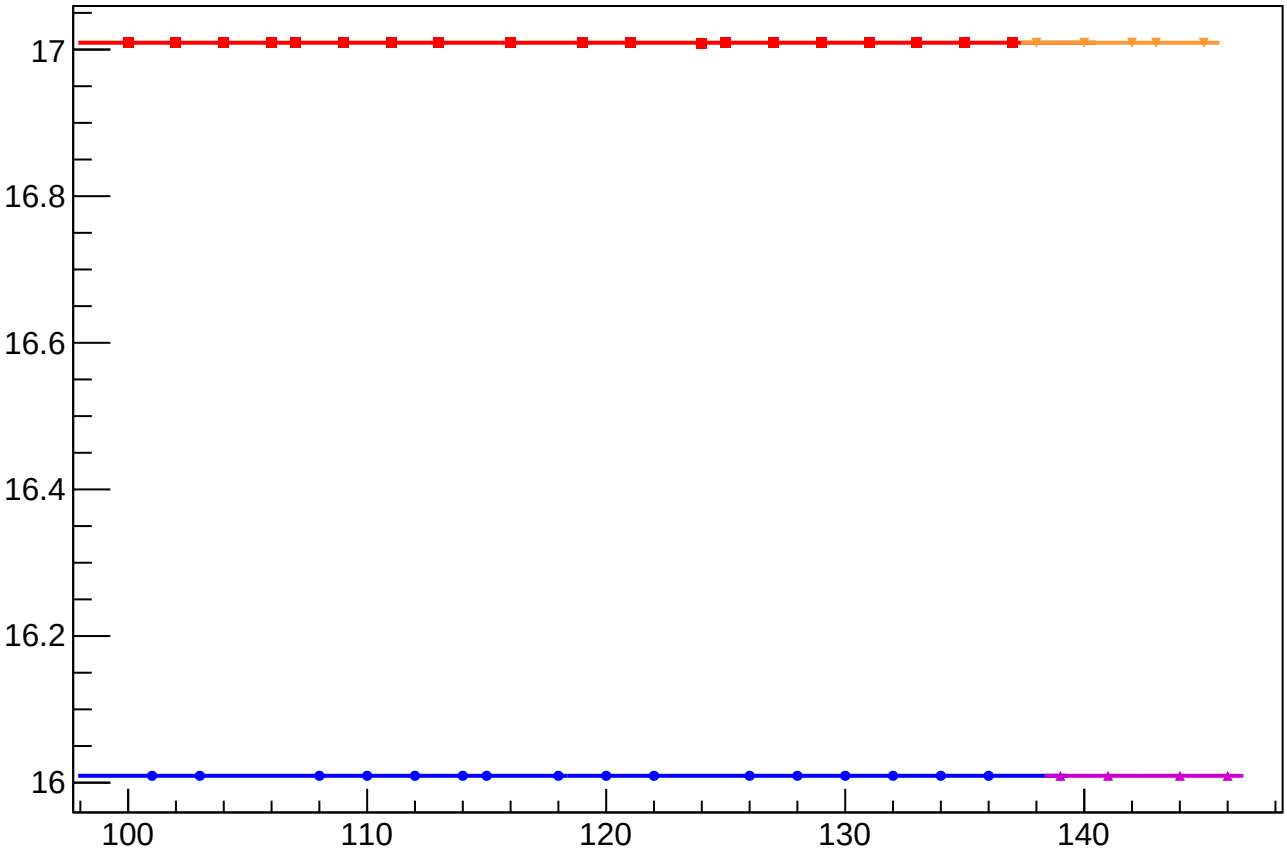
Left In: 88.021+/-0.000 χ^2/NDF:644619.3/3

+ sign 89.442+/-0.000 χ^2/NDF: 1325361209425711

All: 89.459+/-0.000 χ^2/NDF: 262807384623

- sign 89.475+/-0.000 χ^2/NDF: 1302095808829672

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:9720059497836475140014O8.0/4

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

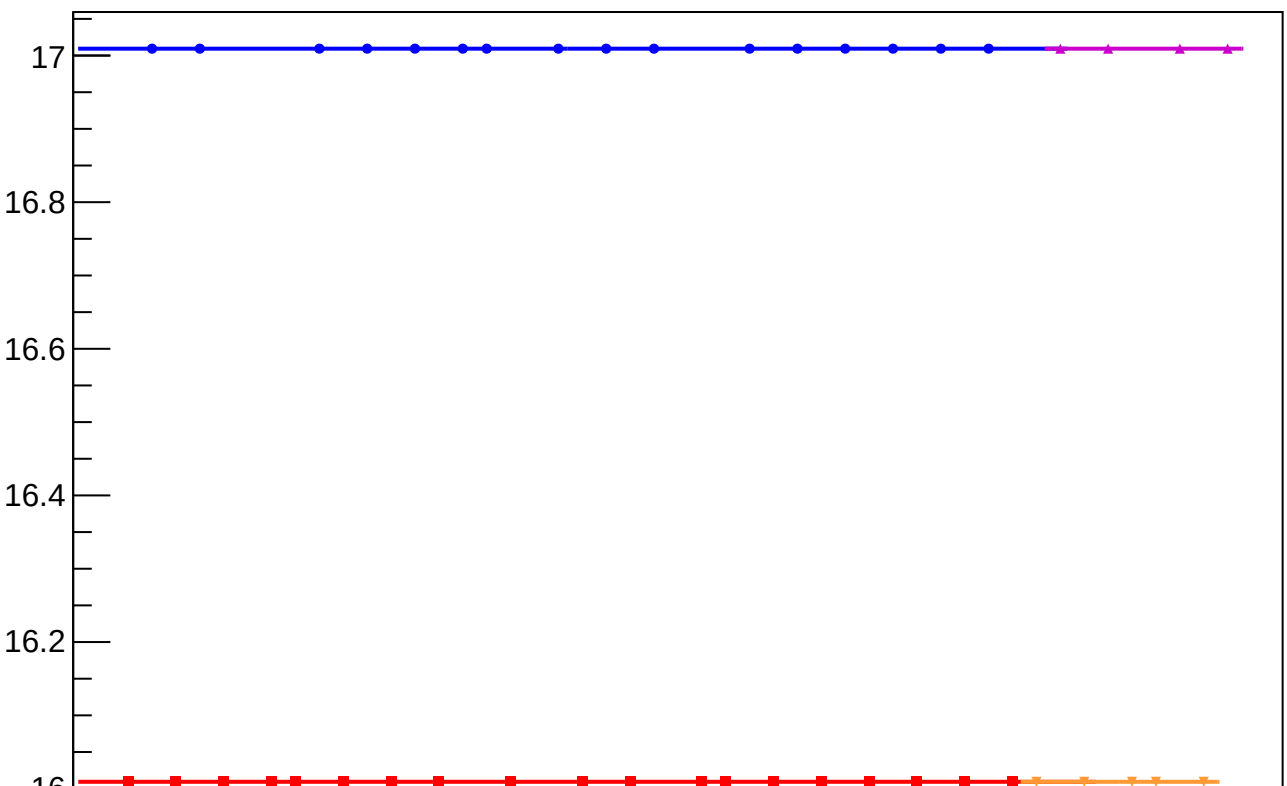
Left In: 16.009+/-0.000 χ^2/NDF:45741.3/3

+ sign 16.338+/-0.000 χ^2/NDF: 2303584496967838

All: 16.507+/-0.000 χ^2/NDF: 519885669679O

- sign 16.679+/-0.000 χ^2/NDF: 2289500157415594

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:34987.6/4

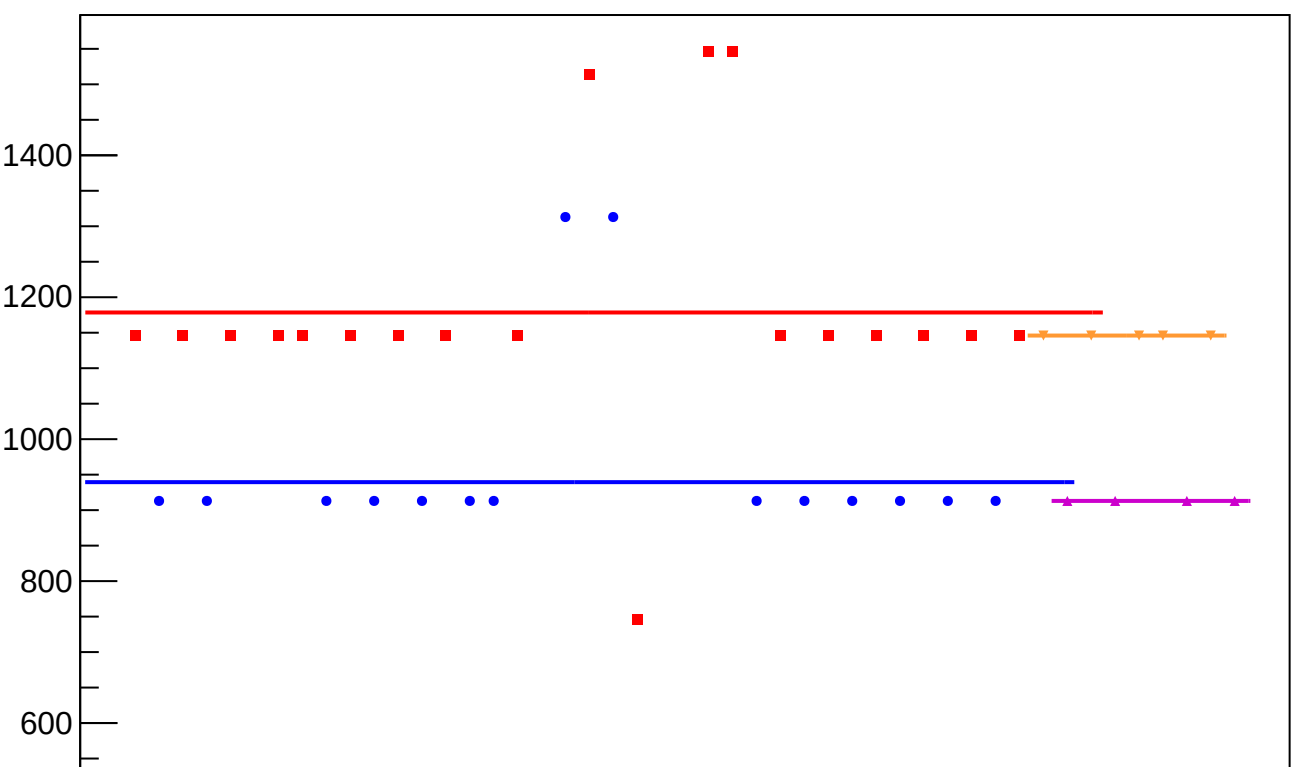
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:15196.6/3

+ sign 16.665+/-0.000 χ^2/NDF: 2437479147358642

All: 16.496+/-0.000 χ^2/NDF: 550091280653

- sign 16.334+/-0.000 χ^2/NDF: 2460160284950820



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1009.590+/-0.000 χ^2/NDF: 31819482843739

Left Out: 1146.011+/-0.000 χ^2/NDF:16886957754630624284382330880.0/4

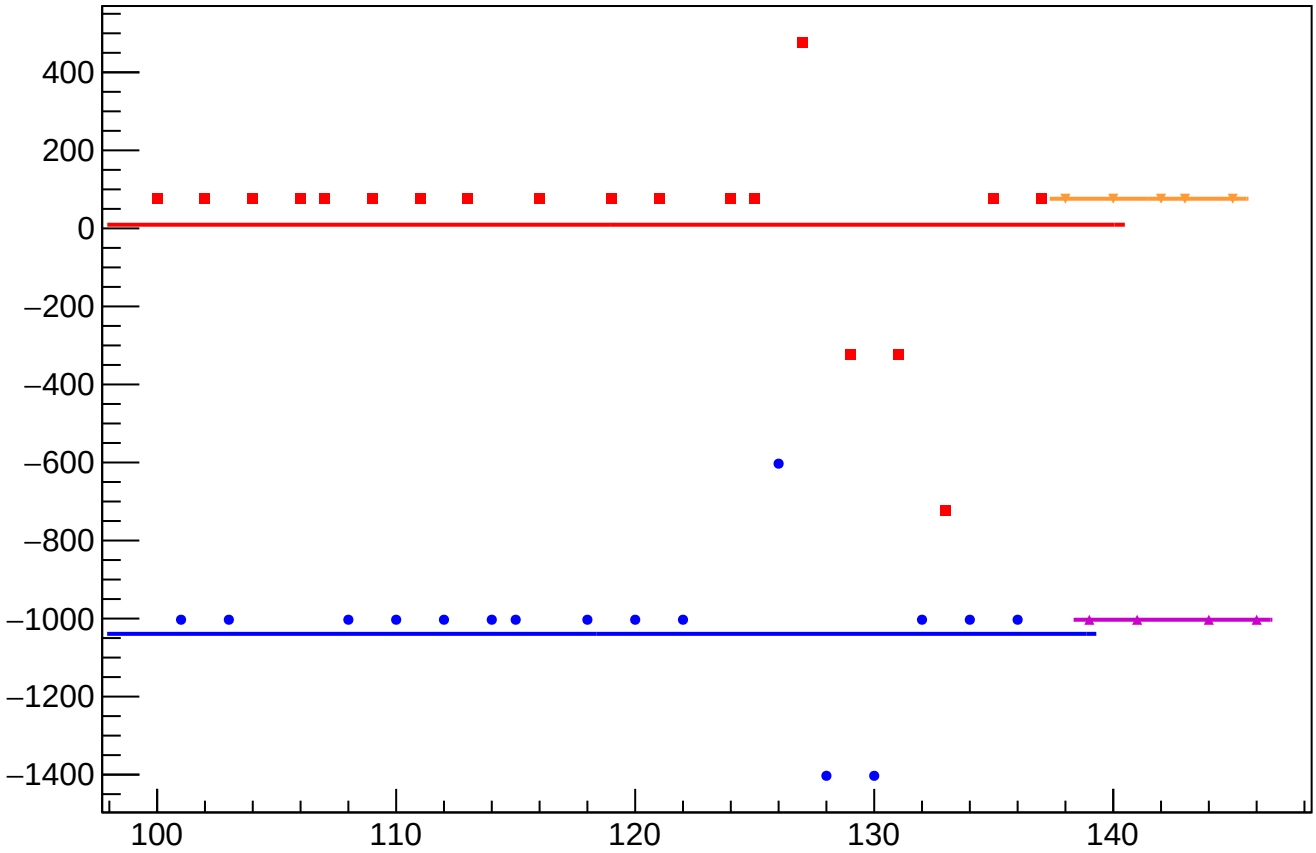
All: 1051.265+/-0.000 χ^2/NDF: 7522223195

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1092.756+/-0.000 χ^2/NDF: 39513952389843

Left In: 912.994+/-0.000 χ^2/NDF:71380336221356085177063833600.0/3

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -660.477+/-0.000 χ^2/NDF: 33578851103816

Left Out: 76.011+/-0.000 χ^2/NDF:22937732369503243469554974720.0/4

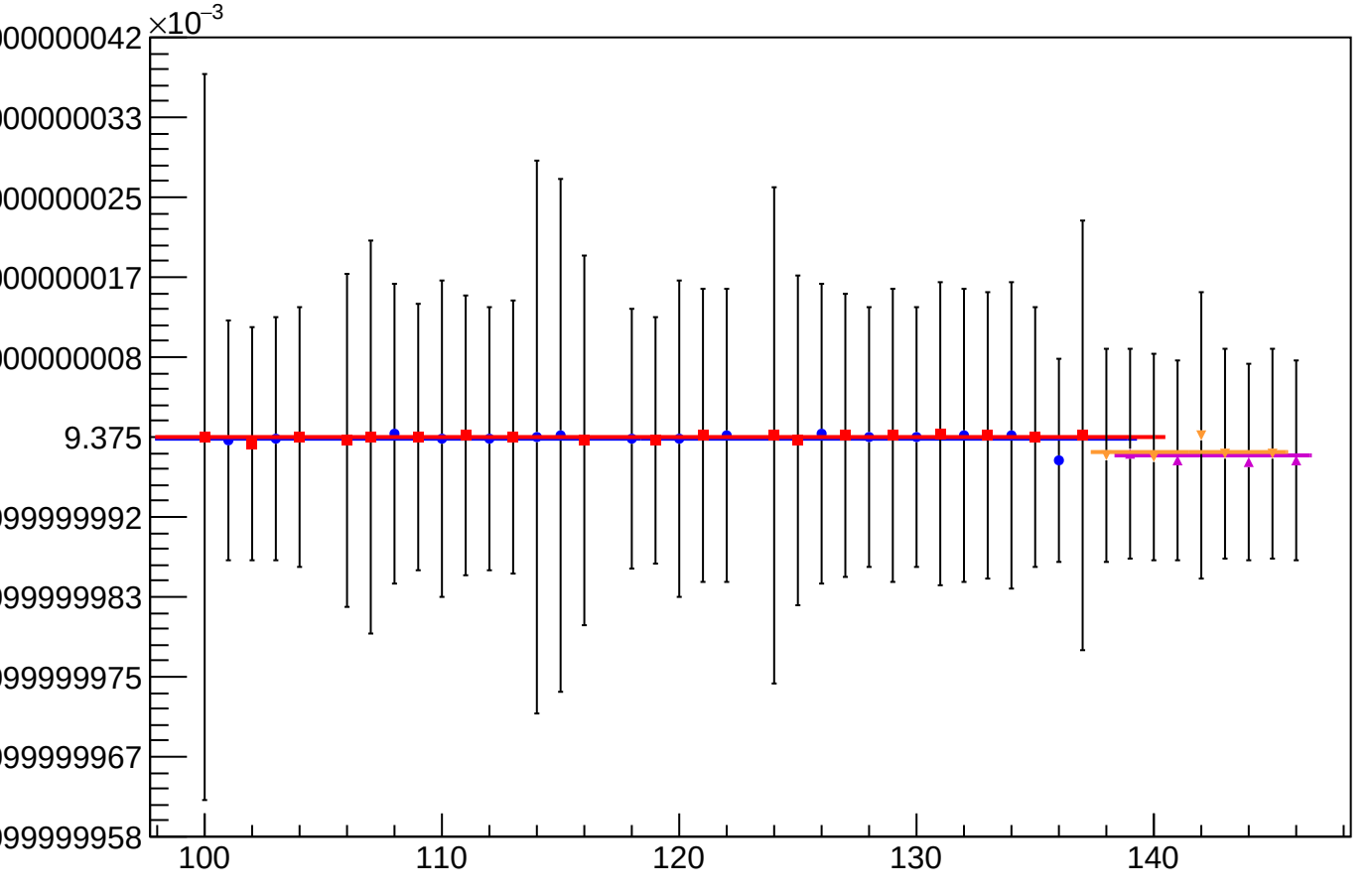
All: -488.639+/-0.000 χ^2/NDF: 7005543949

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -317.563+/-0.000 χ^2/NDF: 298651242192403

Left In: -1002.989+/-0.000 χ^2/NDF:5965619856732749211547729920.0/3

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:0.0/4

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

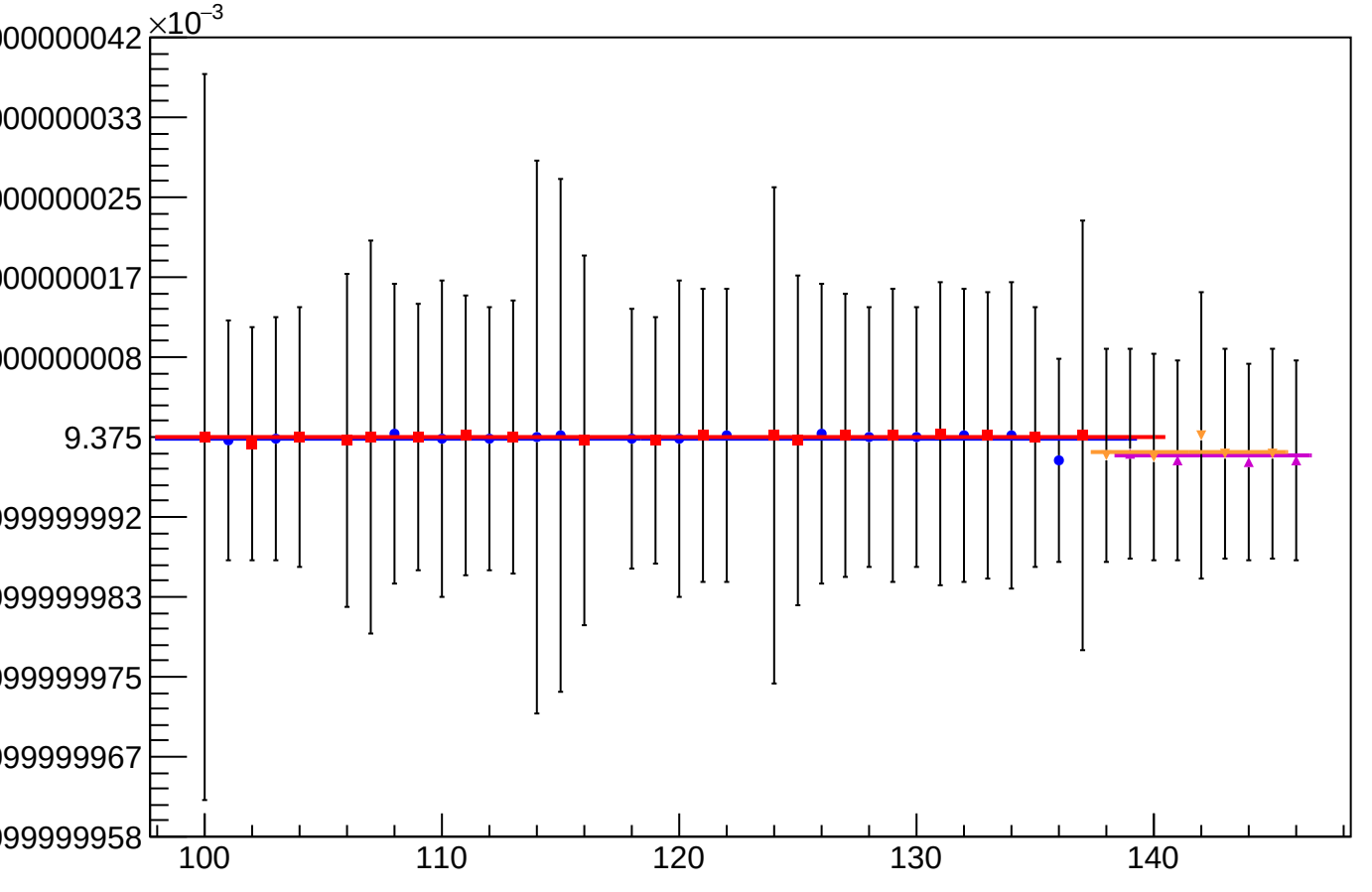
Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/43

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22

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:0.0/4

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/3

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/43

- sign 0.009+/-0.000 χ^2/NDF: 0.1/22