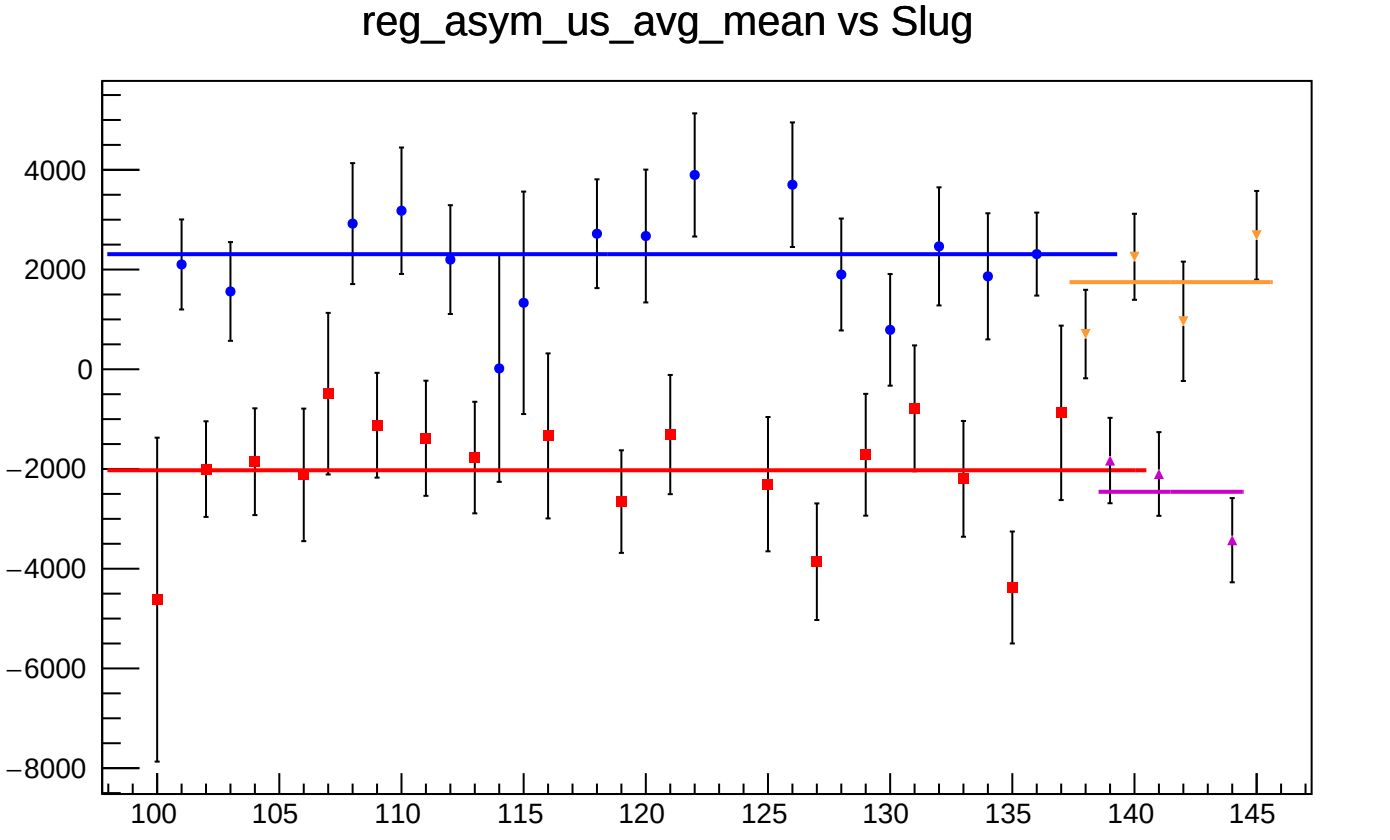


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

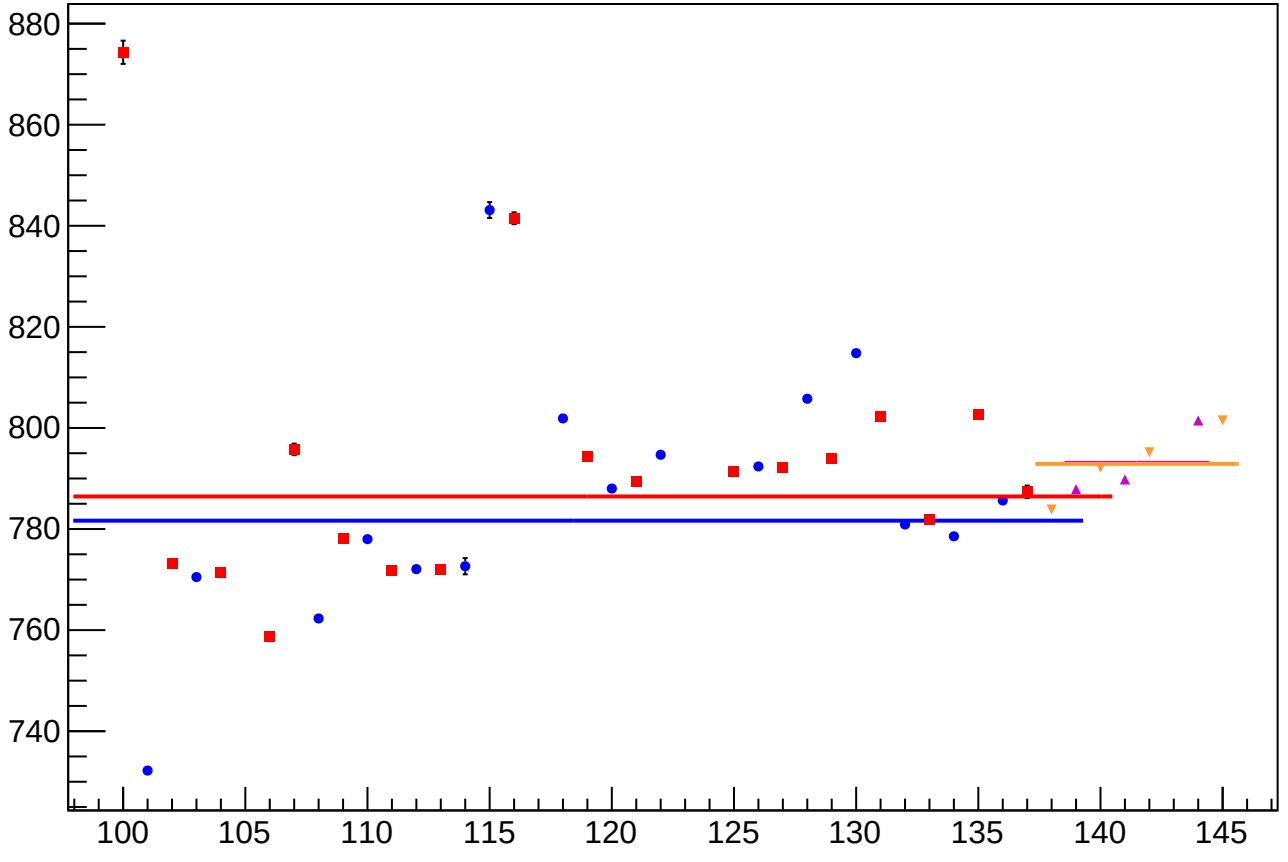
Left In: -2457.017+/-488.912 χ^2/NDF:2.0/2

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

All: 29.643+/-175.351 χ^2/NDF: 176.3/40

- sign -2137.785+/-249.294 χ^2/NDF: 14.6/20

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

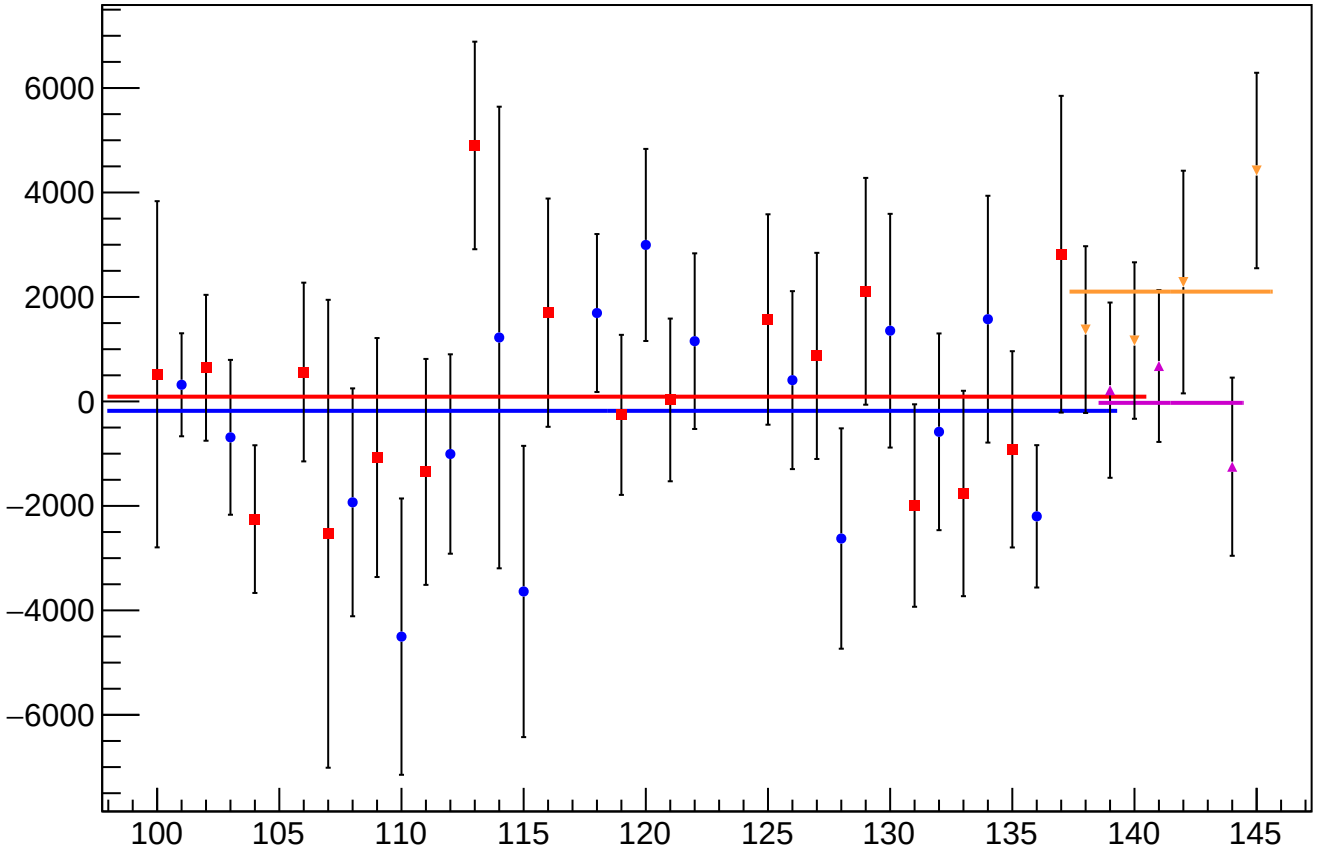
Left In: 793.095+/-0.346 χ^2/NDF:301.6/2

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

All: 786.460+/-0.124 χ^2/NDF: 21519.7/40

- sign 788.173+/-0.176 χ^2/NDF: 7777.1/20

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

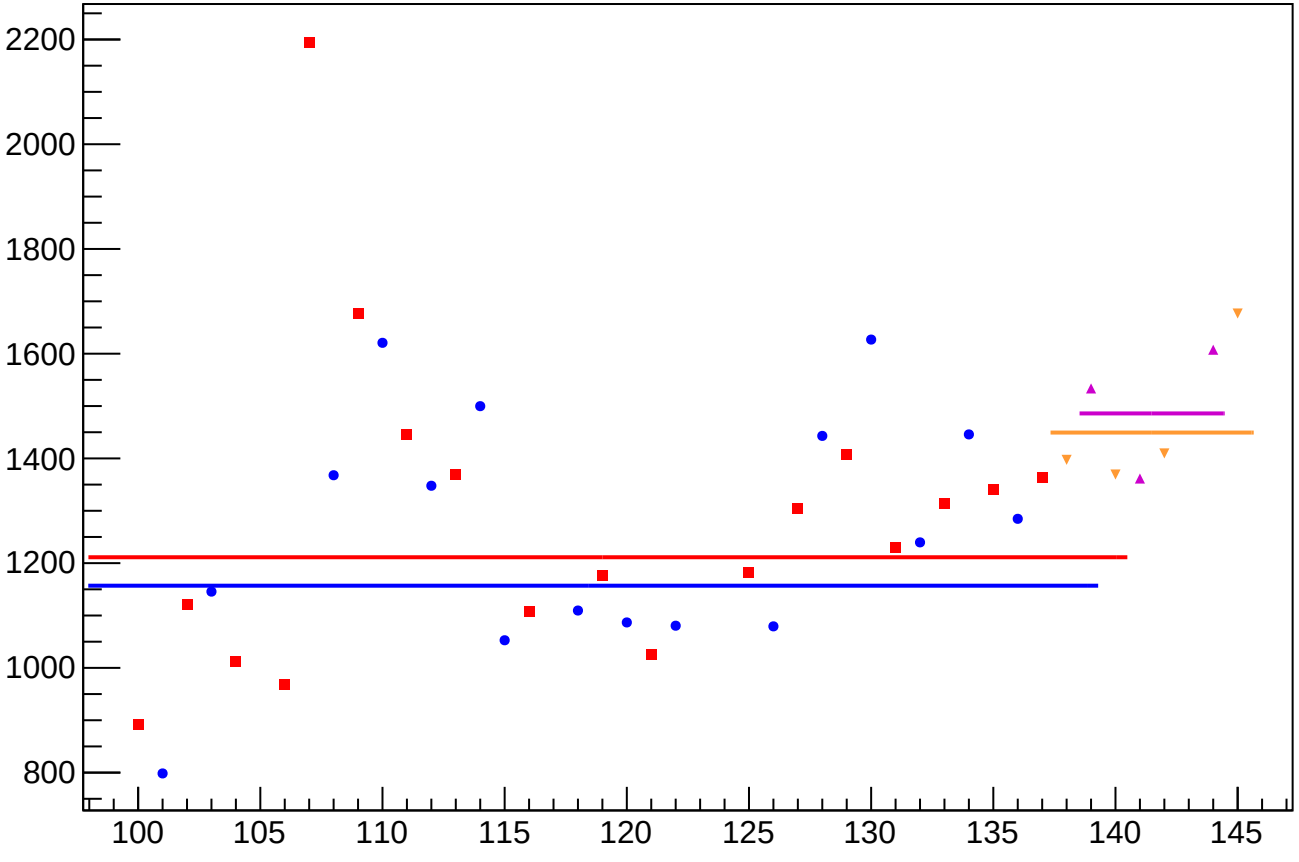
Left In: -27.124+/-923.692 χ^2/NDF:0.8/2

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

All: 184.750+/-282.869 χ^2/NDF: 39.2/40

- sign 68.182+/-408.030 χ^2/NDF: 16.0/20

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

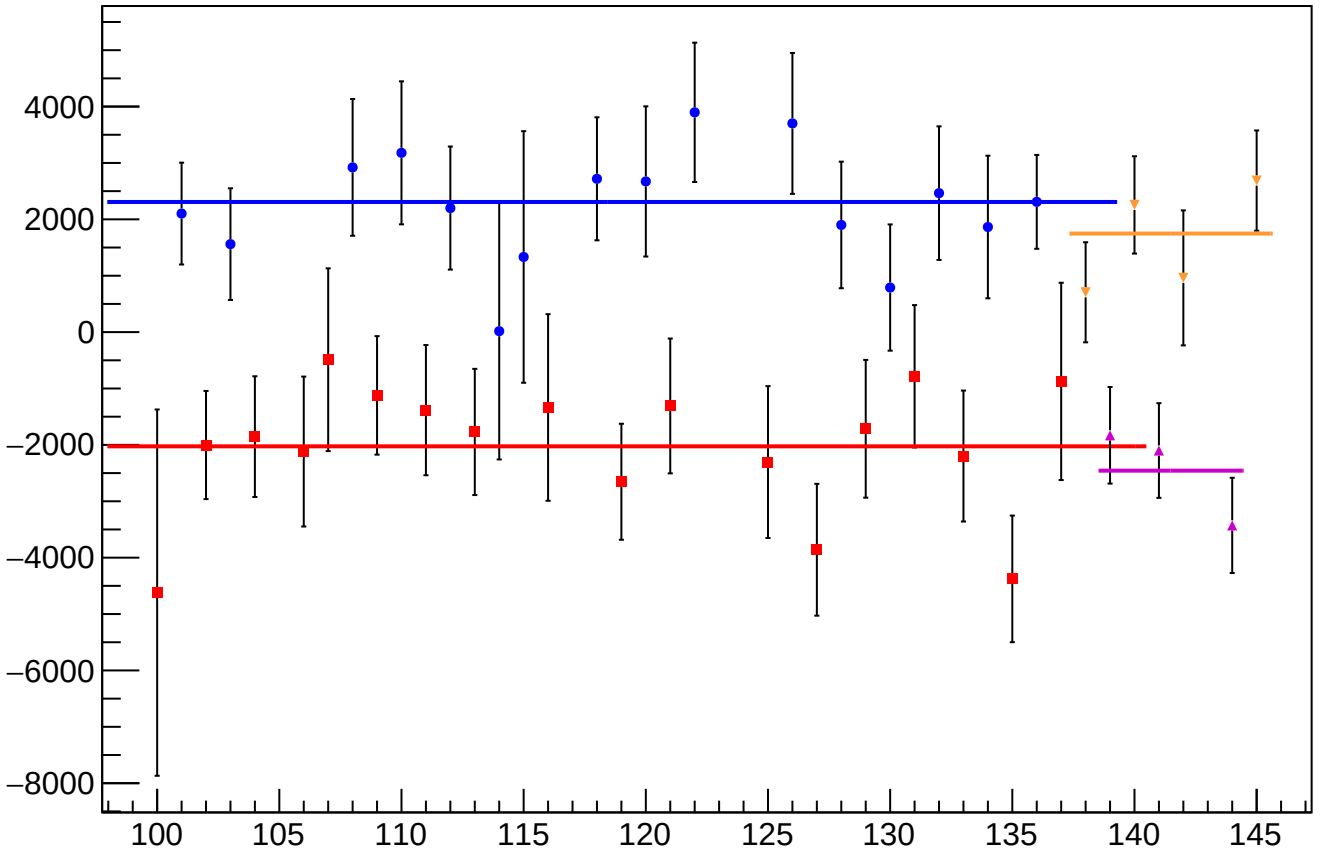
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1485.919+/-0.653 χ^2/NDF:26411.2/2

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

All: 1240.260+/-0.200 χ^2/NDF: 1369931.6/40

- sign 1264.858+/-0.289 χ^2/NDF: 566448.7/20



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

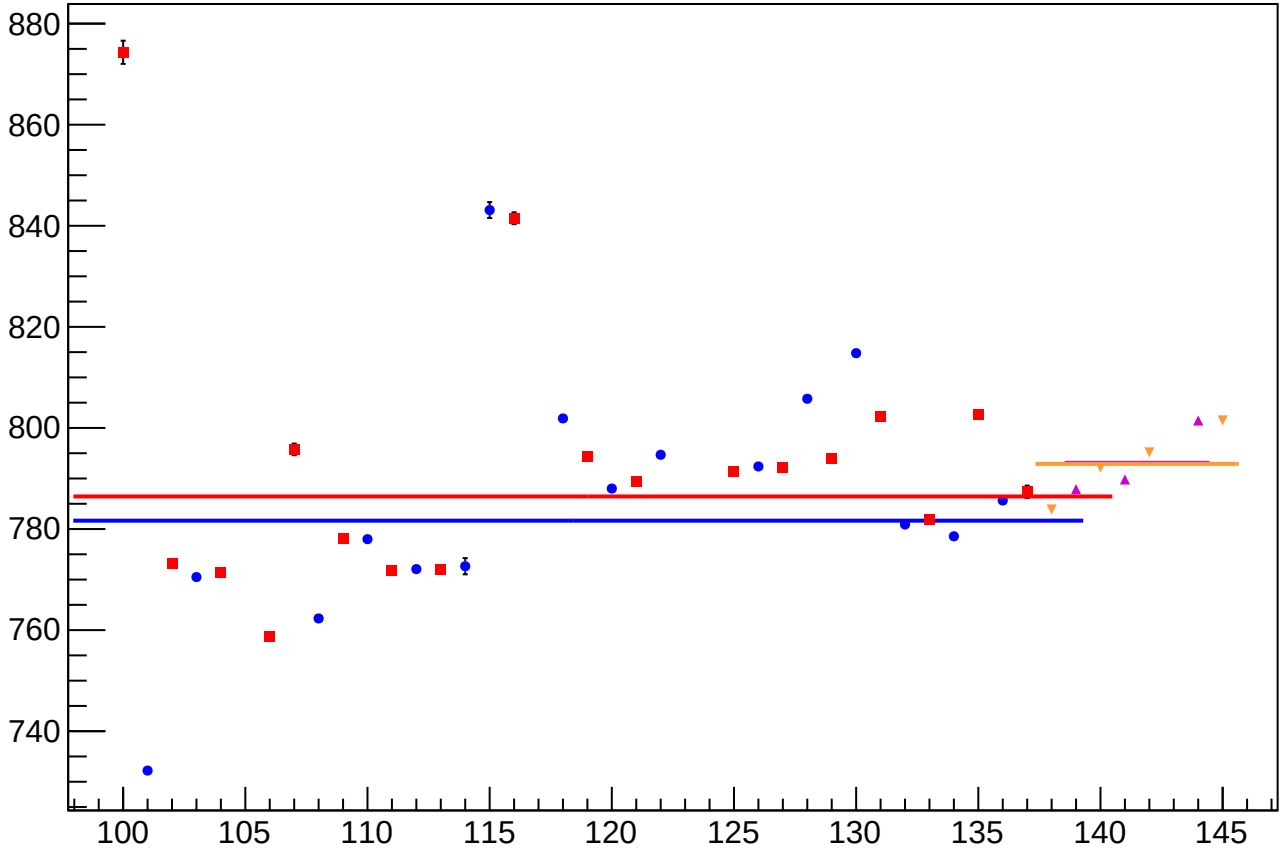
Left In: -2457.017+/-488.912 χ^2/NDF:2.0/2

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

All: 29.643+/-175.351 χ^2/NDF: 176.3/40

- sign -2137.785+/-249.294 χ^2/NDF: 14.6/20

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

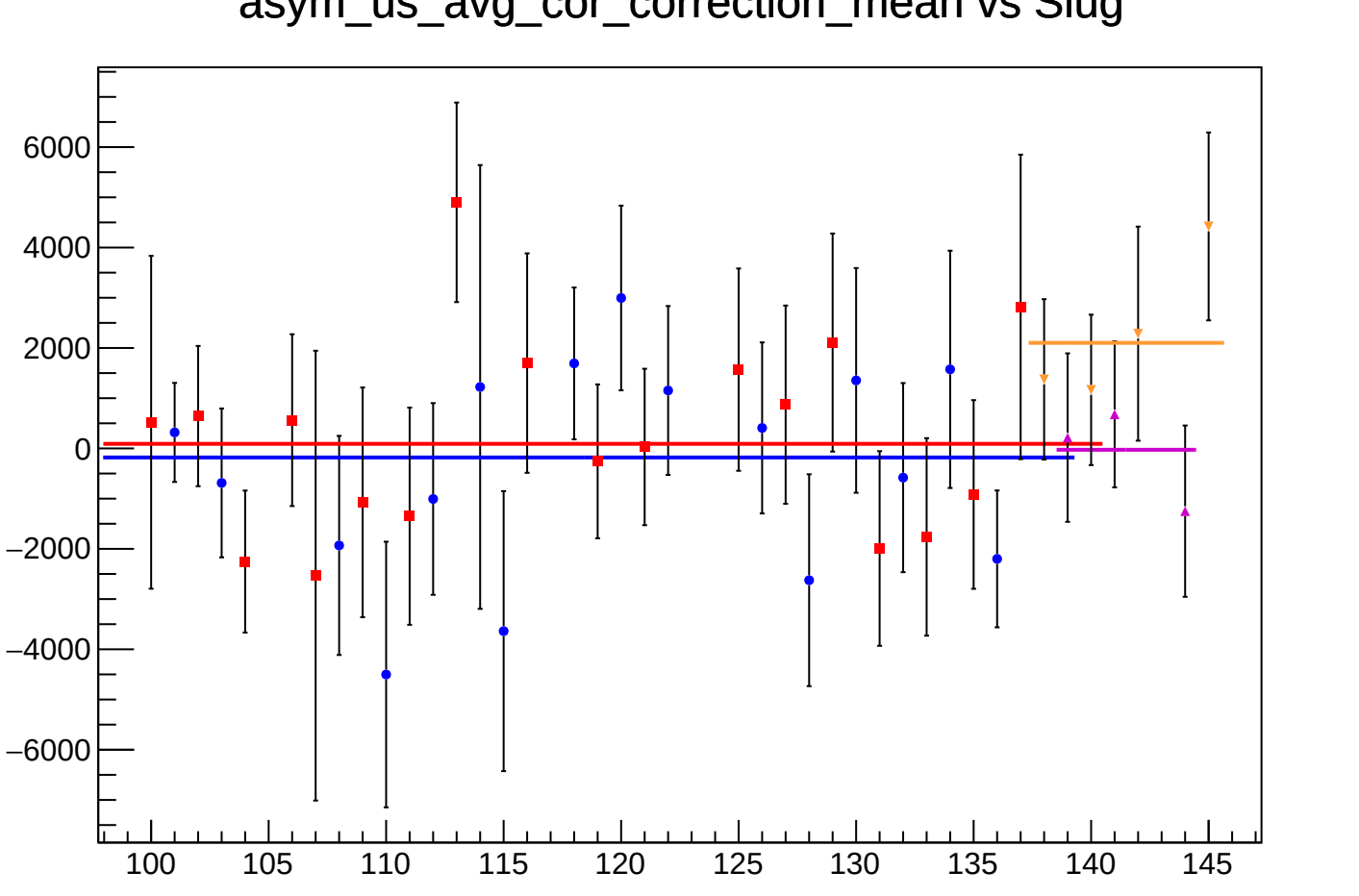
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 793.095+/-0.346 χ^2/NDF:301.6/2

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

All: 786.460+/-0.124 χ^2/NDF: 21519.7/40

- sign 788.173+/-0.176 χ^2/NDF: 7777.1/20



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

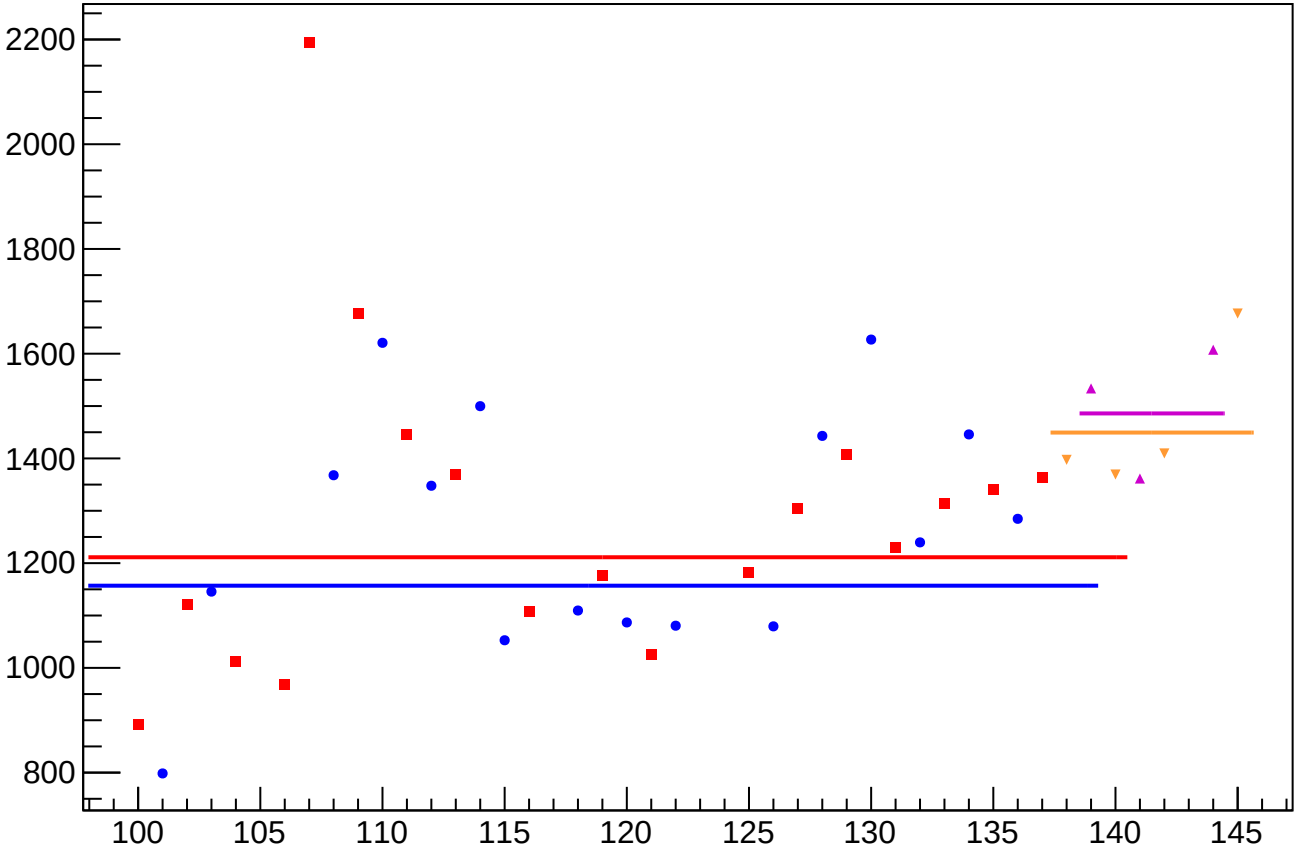
Left In: -27.124+/-923.692 χ^2/NDF:0.8/2

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

All: 184.750+/-282.869 χ^2/NDF: 39.2/40

- sign 68.182+/-408.030 χ^2/NDF: 16.0/20

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

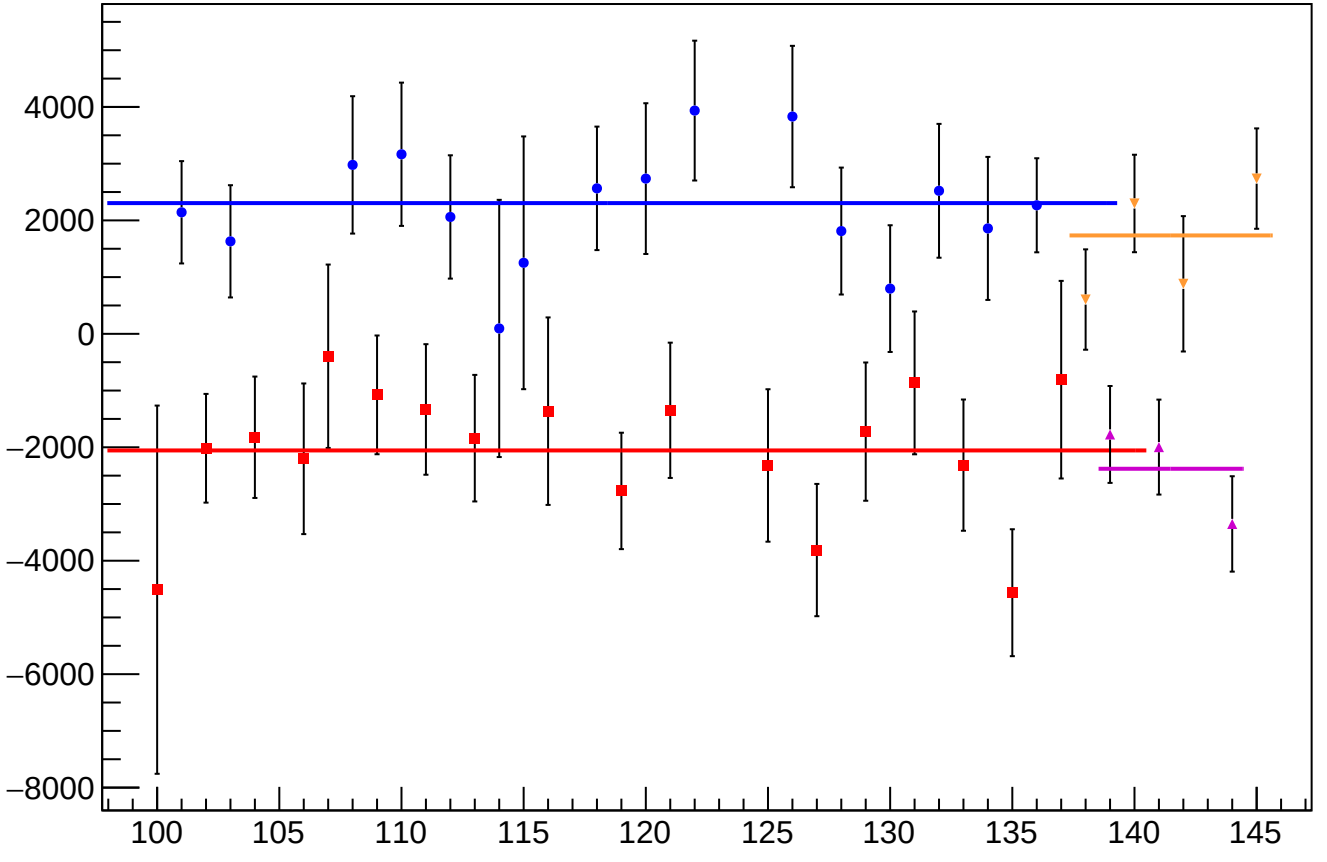
Left In: 1485.919+/-0.653 χ^2/NDF:26411.2/2

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

All: 1240.260+/-0.200 χ^2/NDF: 1369931.6/40

- sign 1264.858+/-0.289 χ^2/NDF: 566448.7/20

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

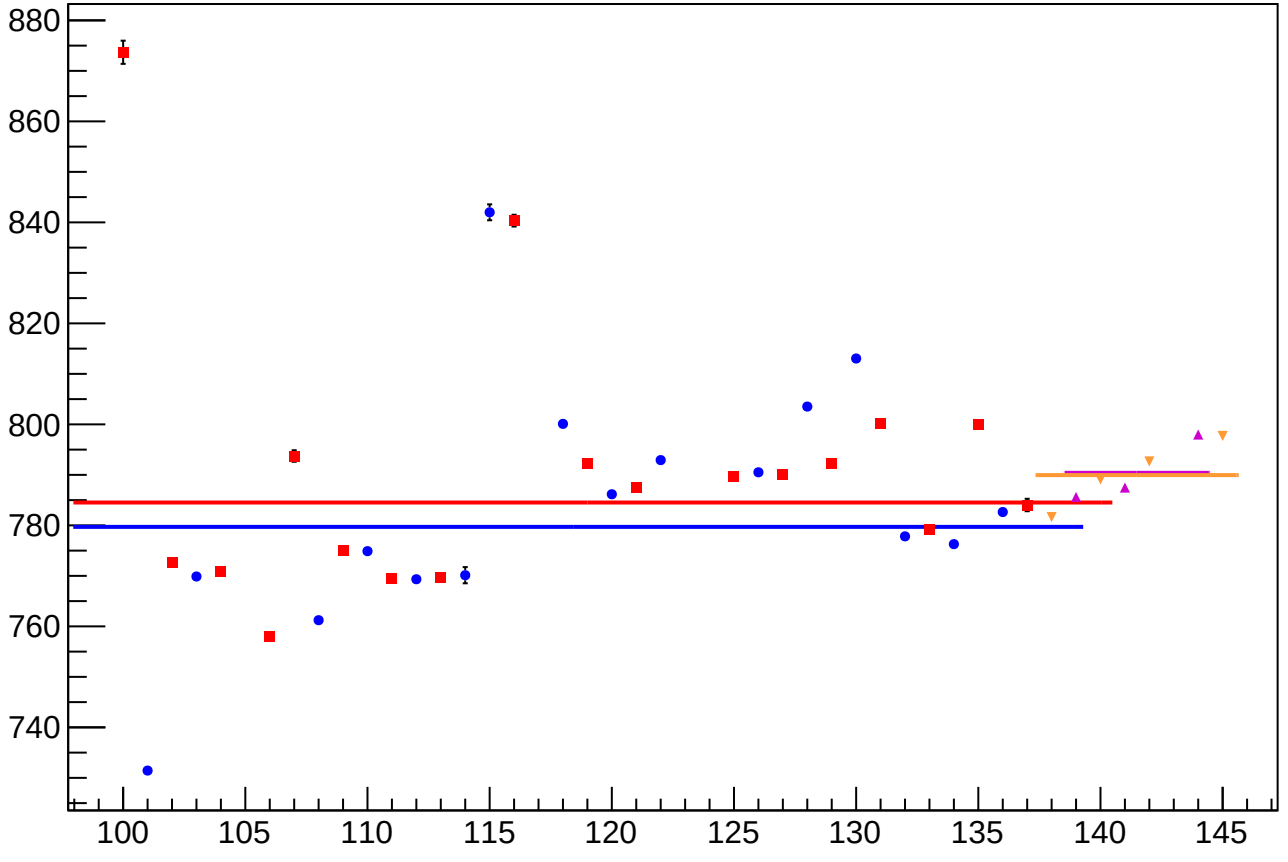
Left In: -2378.914+/-487.249 χ^2/NDF:2.0/2

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

All: 25.789+/-174.866 χ^2/NDF: 178.4/40

\- sign -2139.828+/-248.623 χ^2/NDF: 15.2/20

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

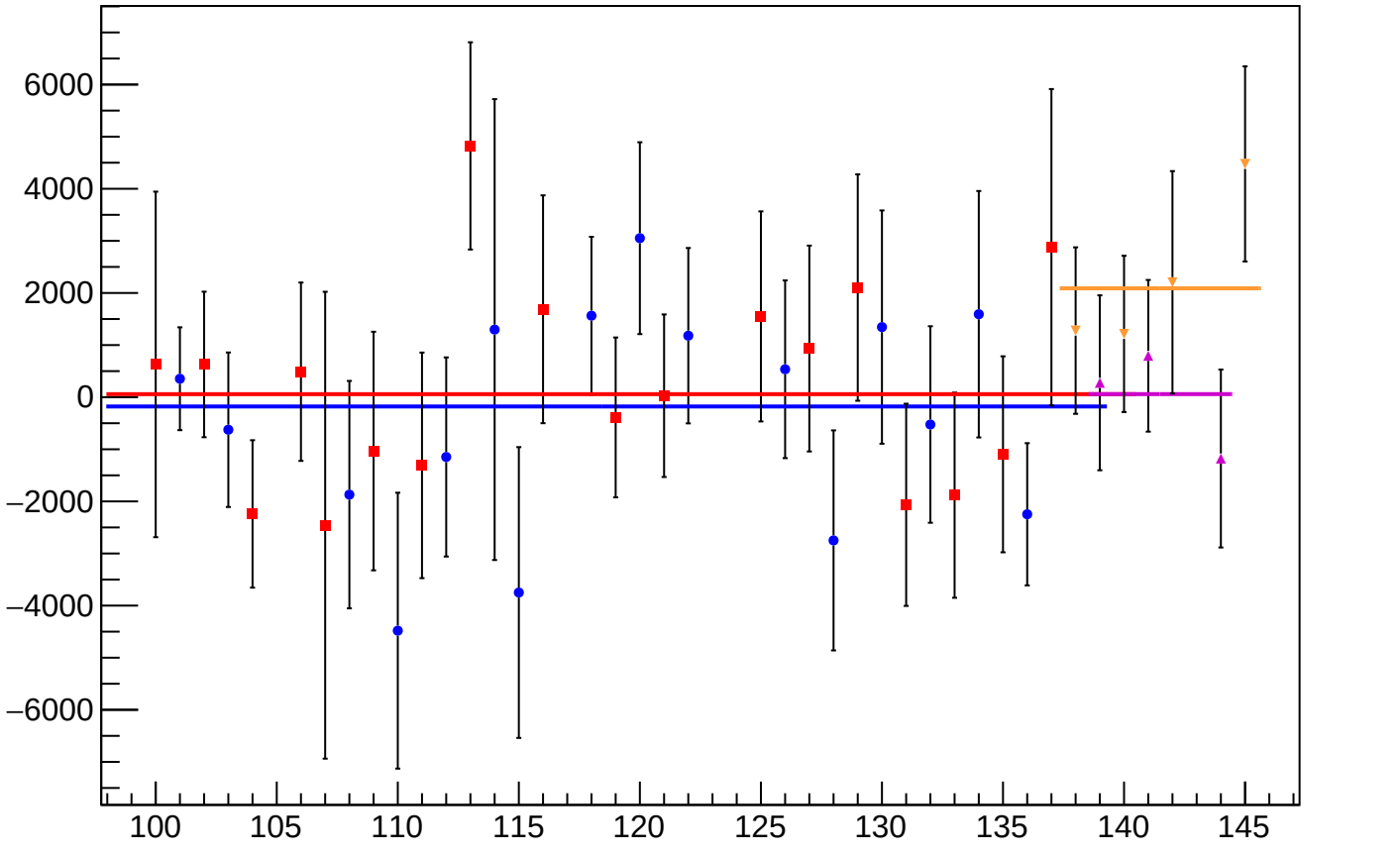
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 790.403+/-0.345 χ^2/NDF:249.8/2

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

All: 784.290+/-0.124 χ^2/NDF: 20926.3/40

- sign 786.055+/-0.176 χ^2/NDF: 7625.1/20



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

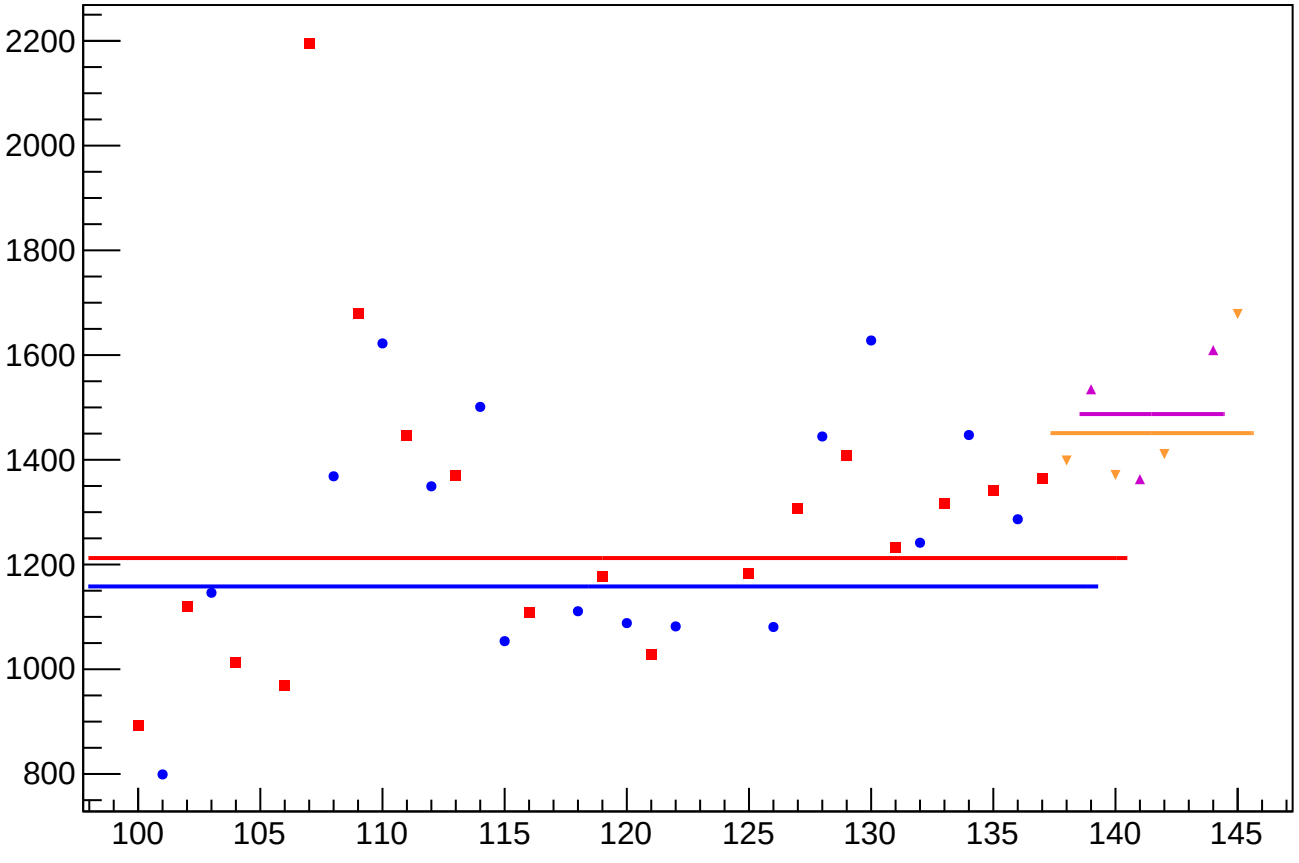
Left In: 58.943+/-924.557 χ^2/NDF:0.8/2

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

All: 179.102+/-283.142 χ^2/NDF: 39.6/40

\- sign 58.216+/-408.398 χ^2/NDF: 16.1/20

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

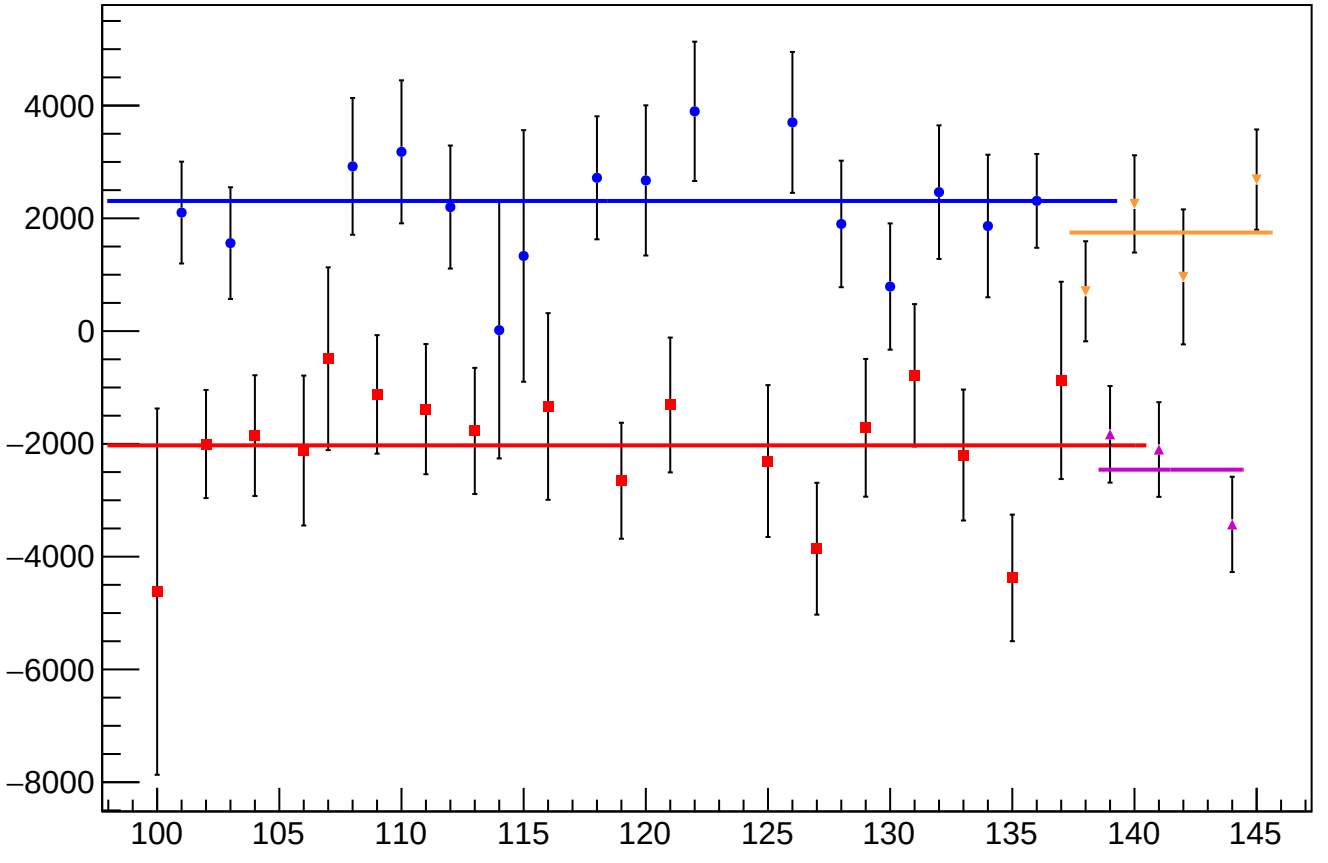
Left In: 1487.327+/-0.654 χ^2/NDF:26403.5/2

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

All: 1241.465+/-0.200 χ^2/NDF: 1370196.9/40

- sign 1266.001+/-0.289 χ^2/NDF: 566738.1/20

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

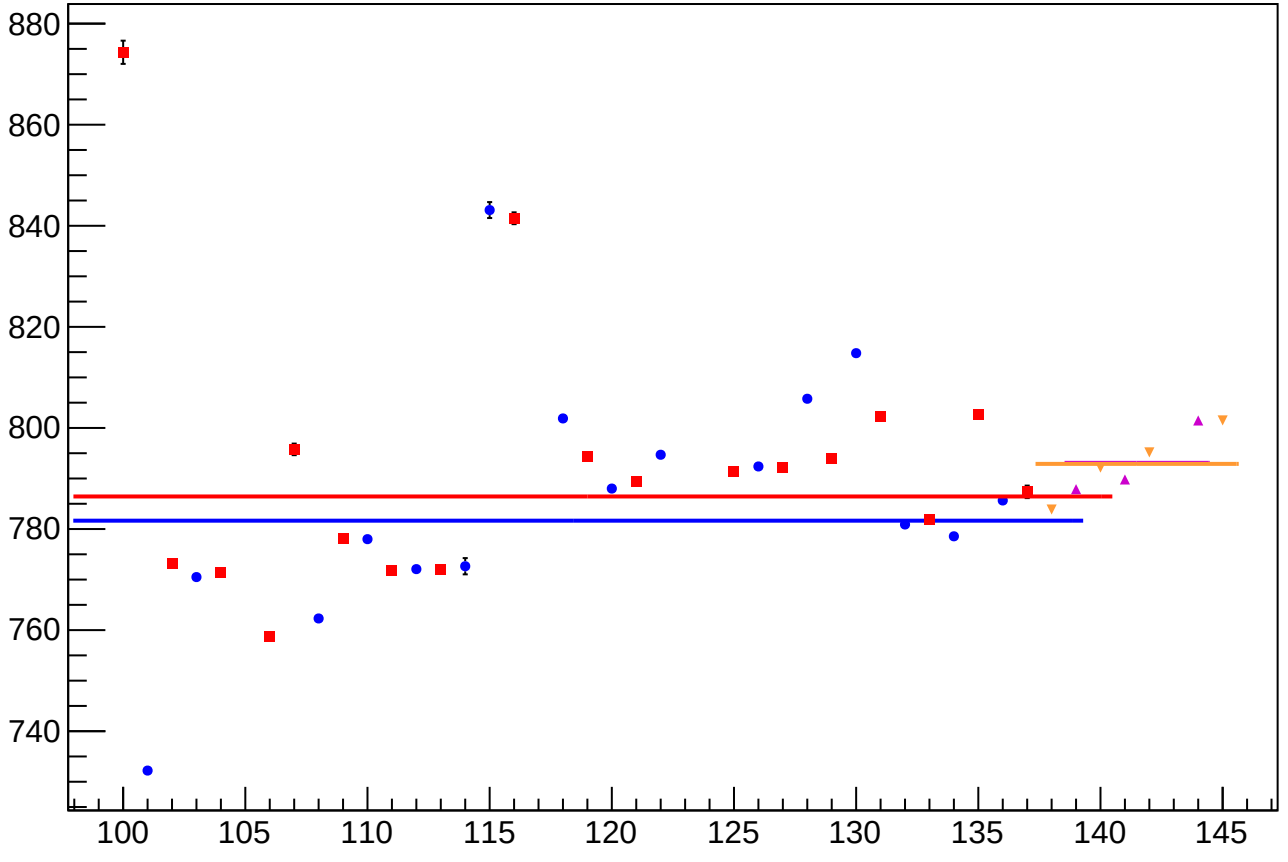
Left In: -2457.017+/-488.912 χ^2/NDF:2.0/2

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

All: 29.643+/-175.351 χ^2/NDF: 176.3/40

- sign -2137.785+/-249.294 χ^2/NDF: 14.6/20

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

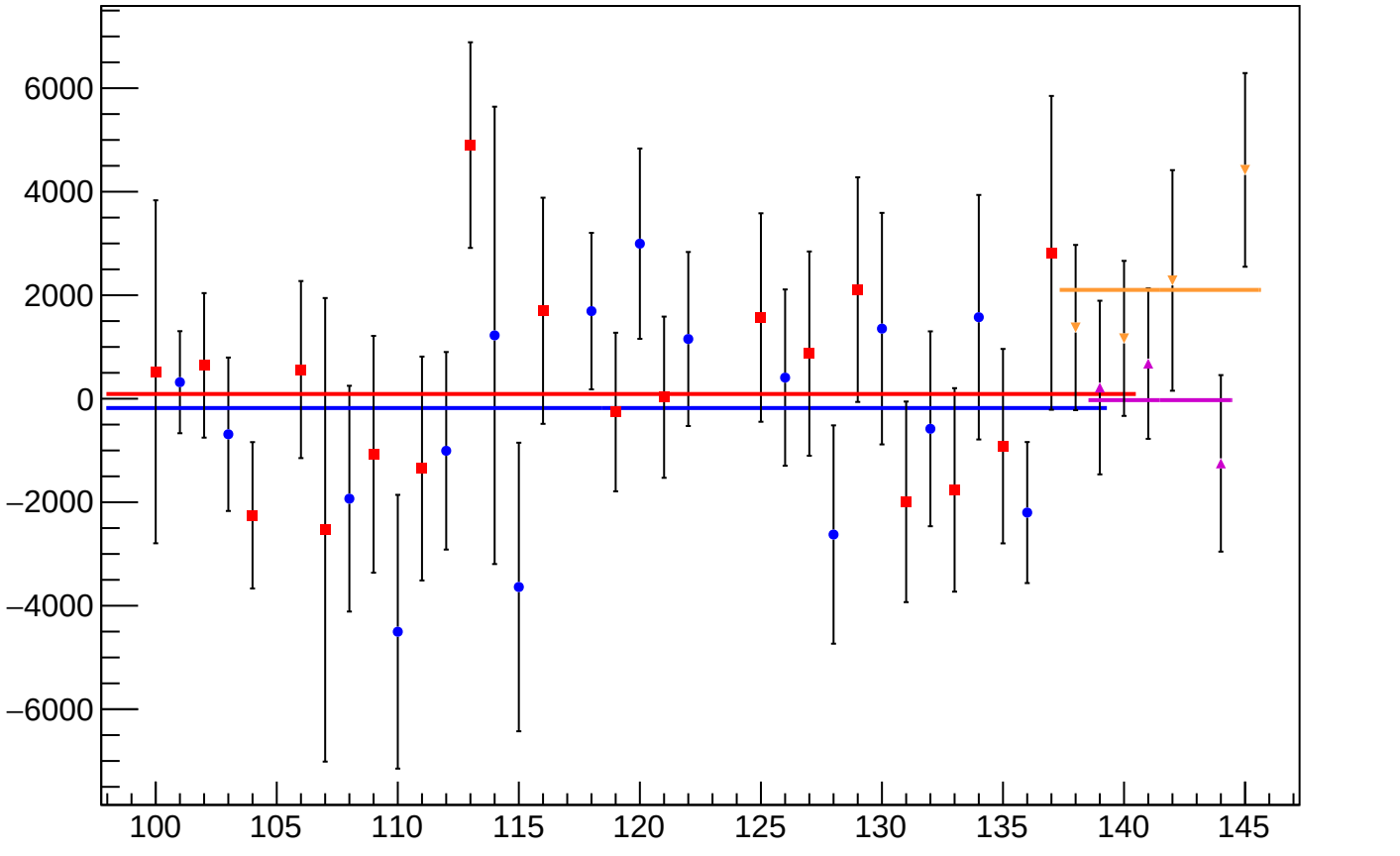
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 793.095+/-0.346 χ^2/NDF:301.6/2

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

All: 786.460+/-0.124 χ^2/NDF: 21519.7/40

- sign 788.173+/-0.176 χ^2/NDF: 7777.1/20



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

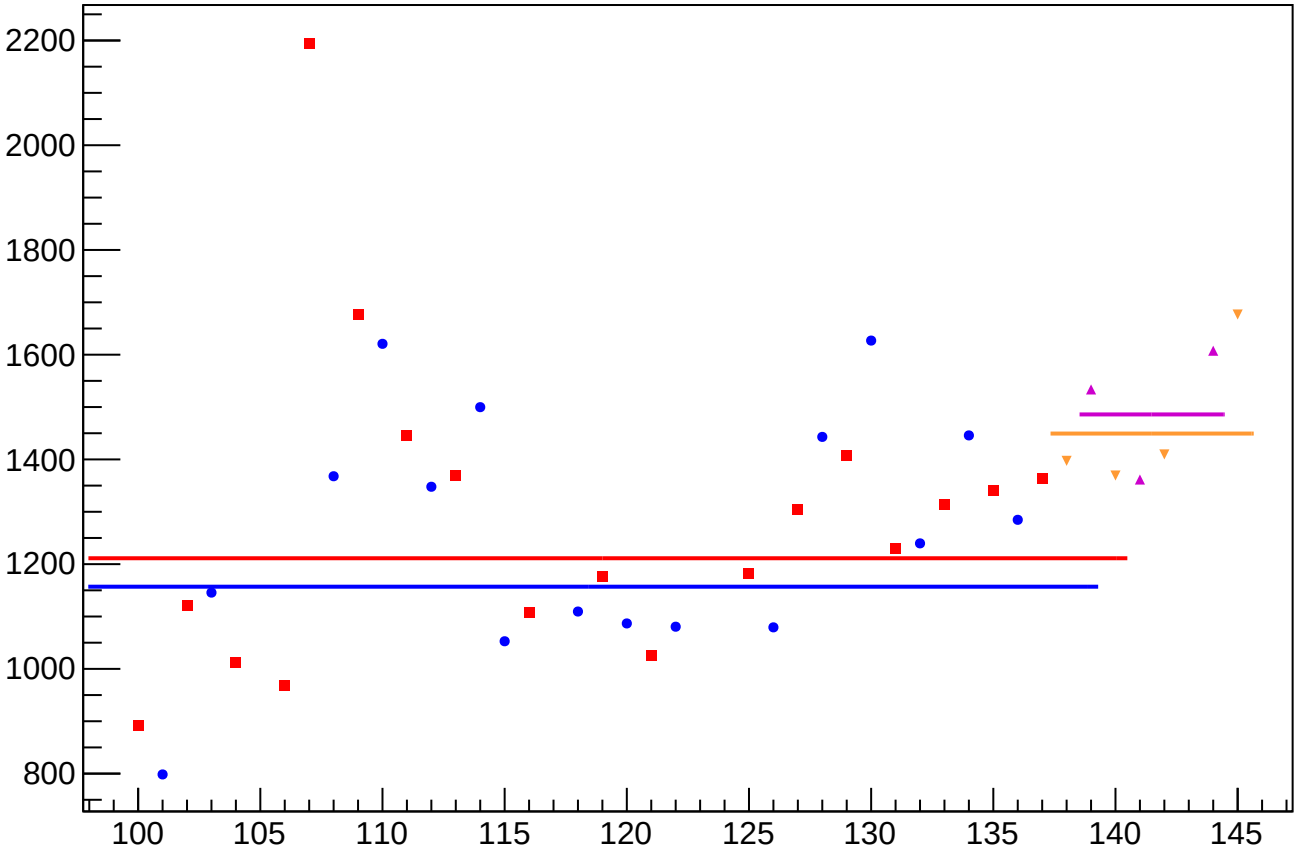
Left In: -27.124+/-923.692 χ^2/NDF:0.8/2

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

All: 184.750+/-282.869 χ^2/NDF: 39.2/40

- sign 68.182+/-408.030 χ^2/NDF: 16.0/20

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

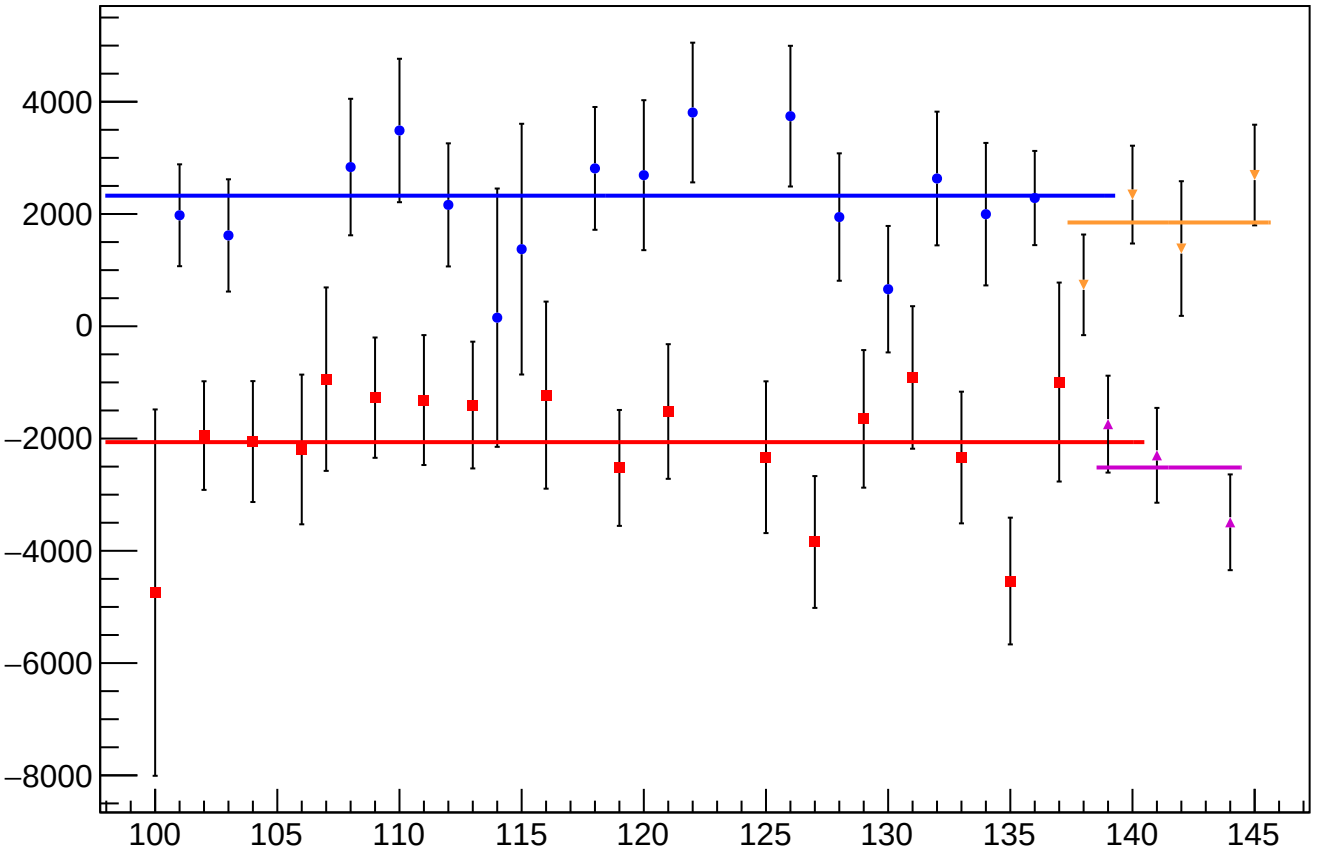
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1485.919+/-0.653 χ^2/NDF:26411.2/2

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

All: 1240.260+/-0.200 χ^2/NDF: 1369931.6/40

- sign 1264.858+/-0.289 χ^2/NDF: 566448.7/20



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

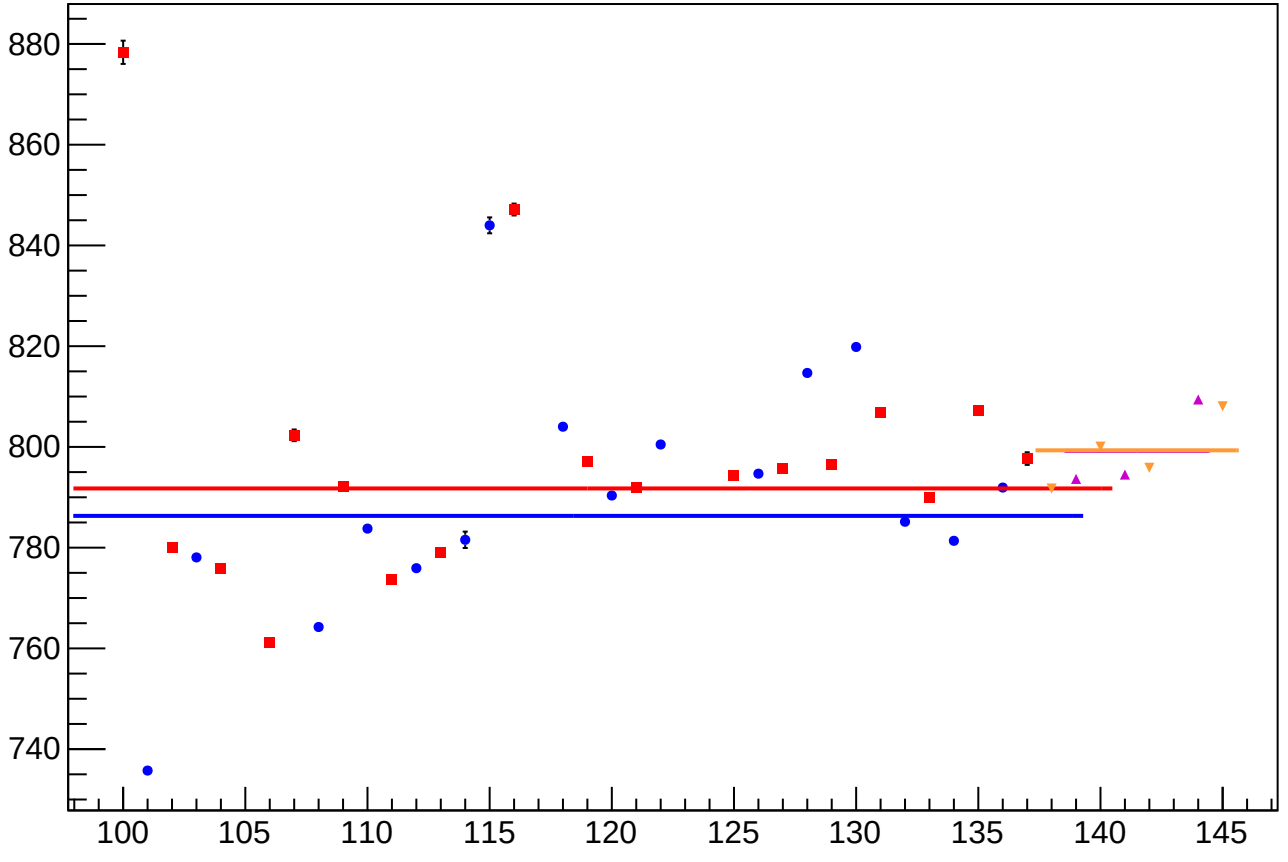
Left In: -2515.954+/-492.751 χ^2/NDF:2.2/2

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

All: 30.283+/-176.559 χ^2/NDF: 179.7/40

- sign -2181.319+/-251.072 χ^2/NDF: 14.4/20

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

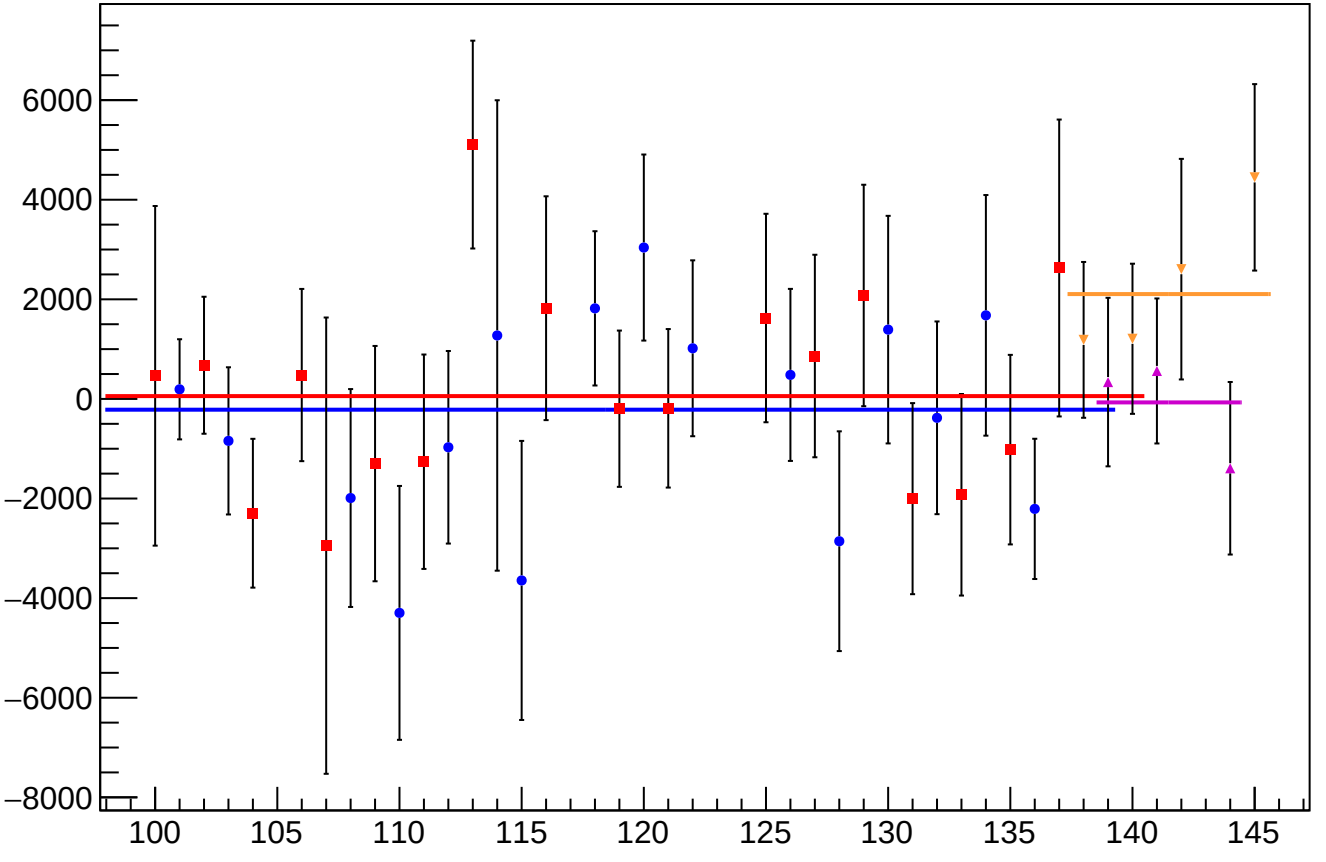
Left In: 799.205+/-0.348 χ^2/NDF:431.3/2

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

All: 791.785+/-0.125 χ^2/NDF: 22036.2/40

- sign 793.690+/-0.178 χ^2/NDF: 7784.8/20

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

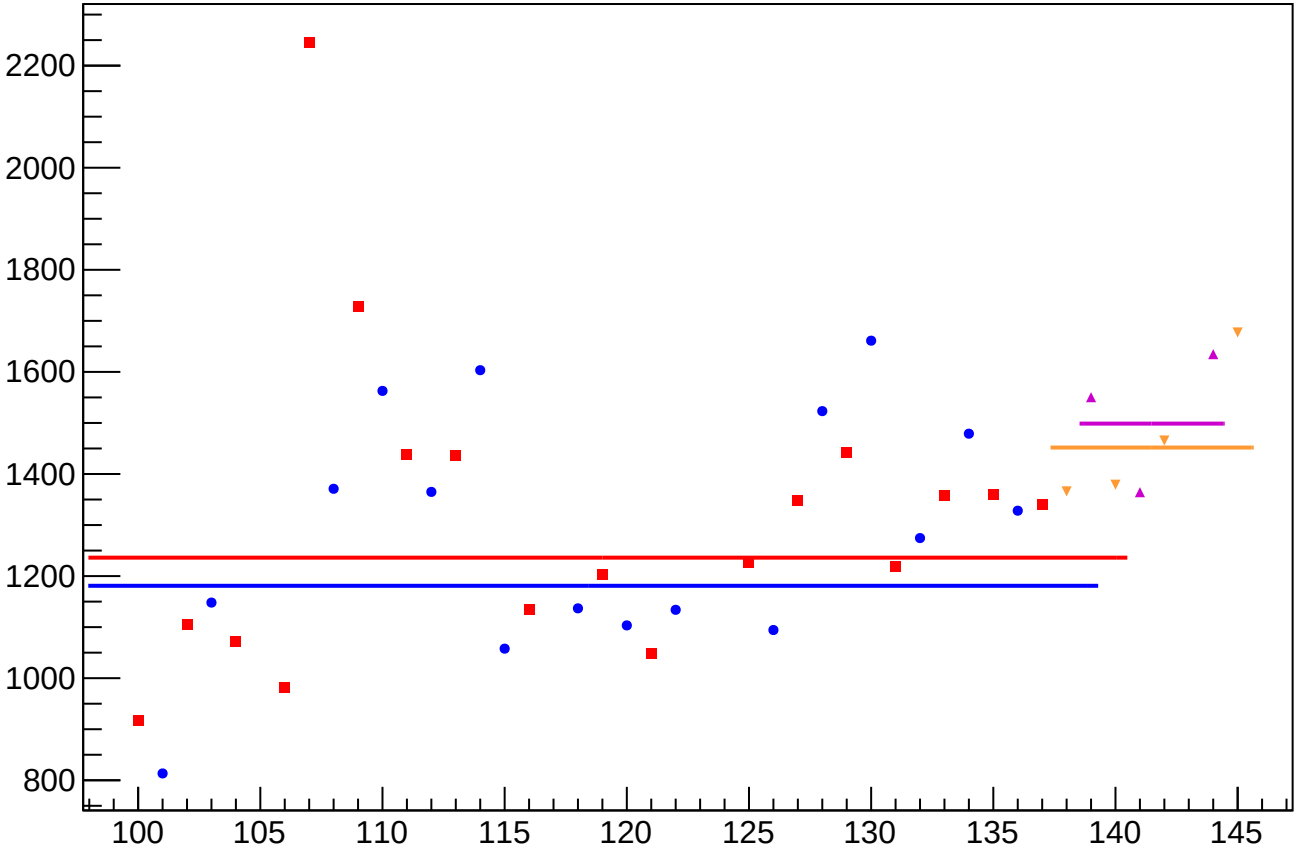
Left In: -69.962+/-930.813 χ^2/NDF:0.8/2

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

All: 159.687+/-287.651 χ^2/NDF: 39.4/40

- sign 31.560+/-415.249 χ^2/NDF: 16.0/20

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

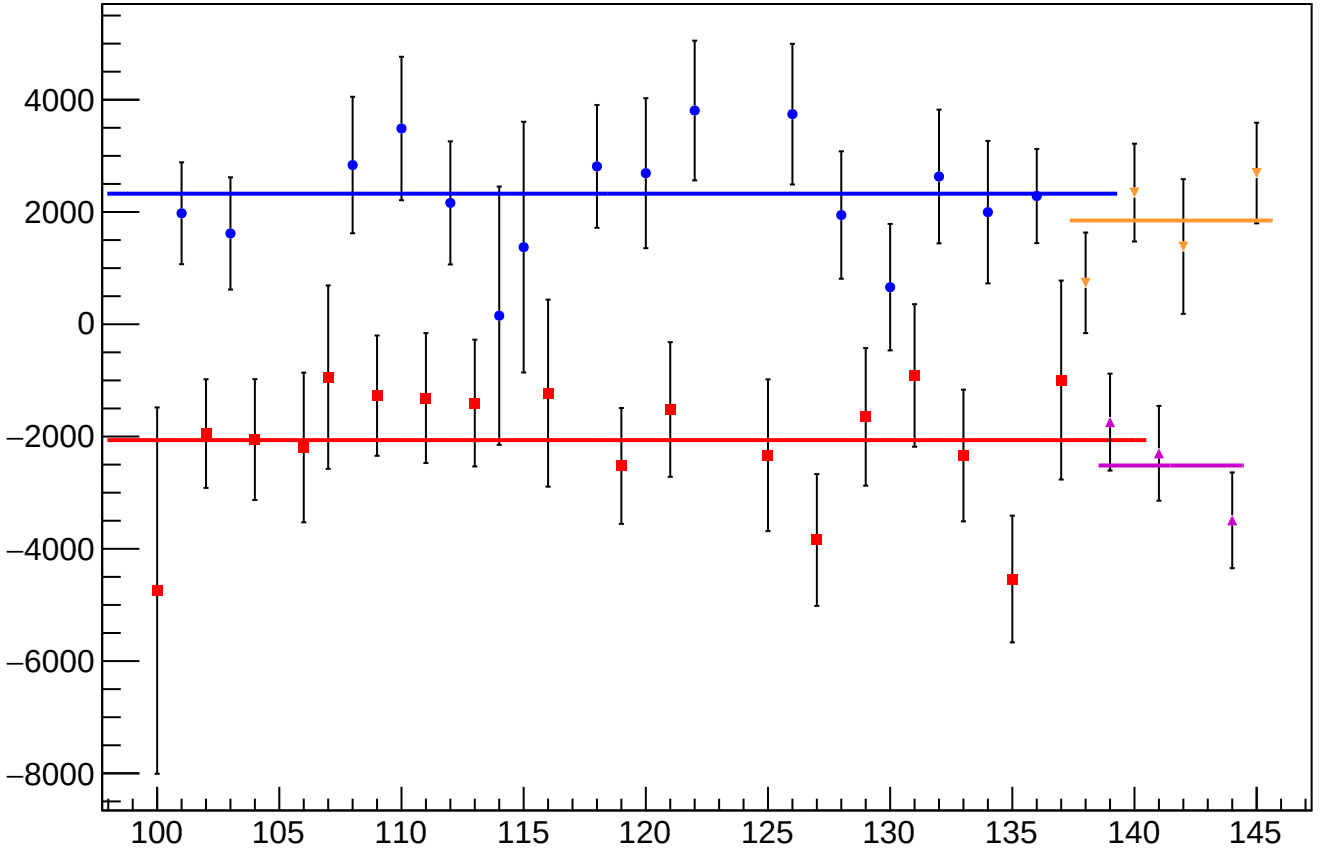
Left In: 1498.718+/-0.658 χ^2/NDF:31237.6/2

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

All: 1262.511+/-0.203 χ^2/NDF: 1336270.4/40

- sign 1288.393+/-0.294 χ^2/NDF: 555966.1/20

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

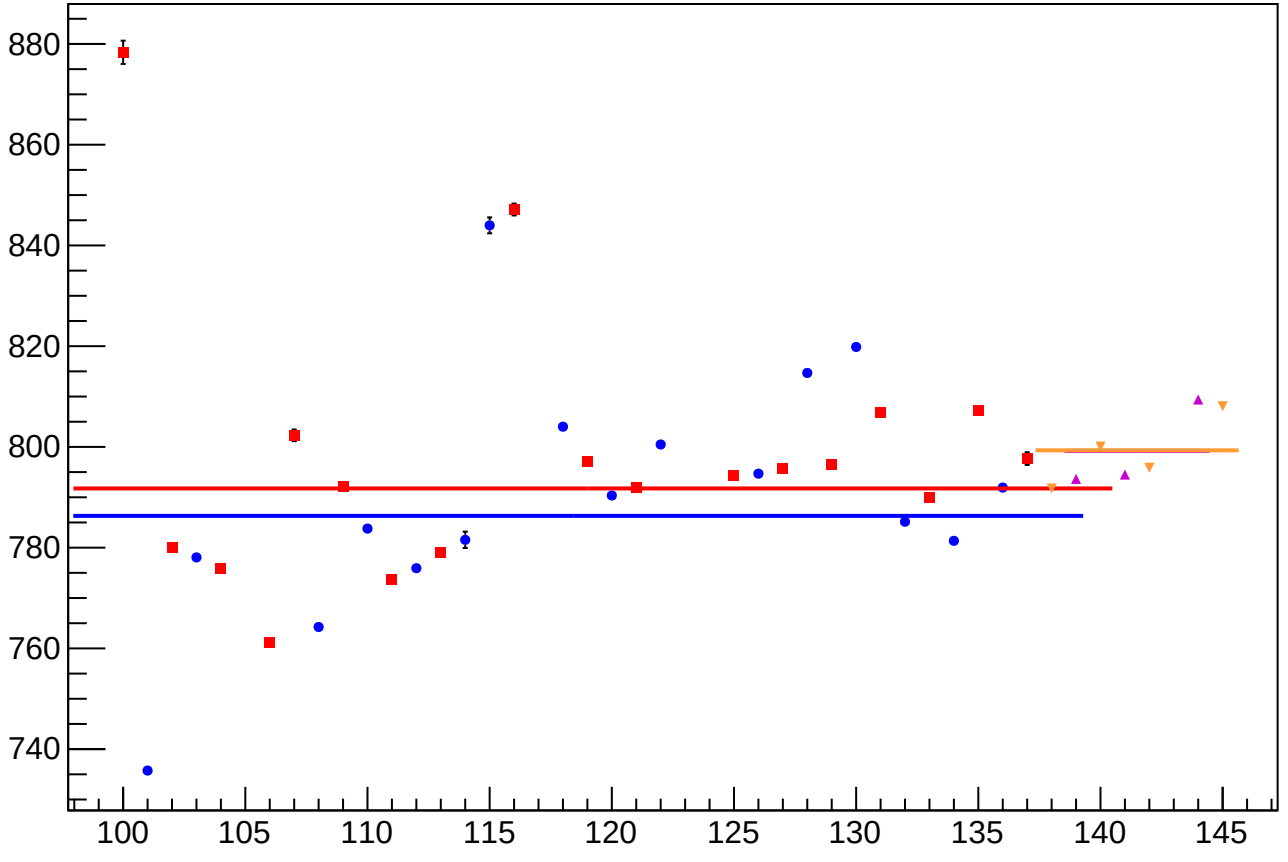
Left In: -2515.953+/-492.751 χ^2/NDF:2.2/2

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

All: 30.284+/-176.559 χ^2/NDF: 179.7/40

- sign -2181.318+/-251.072 χ^2/NDF: 14.4/20

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

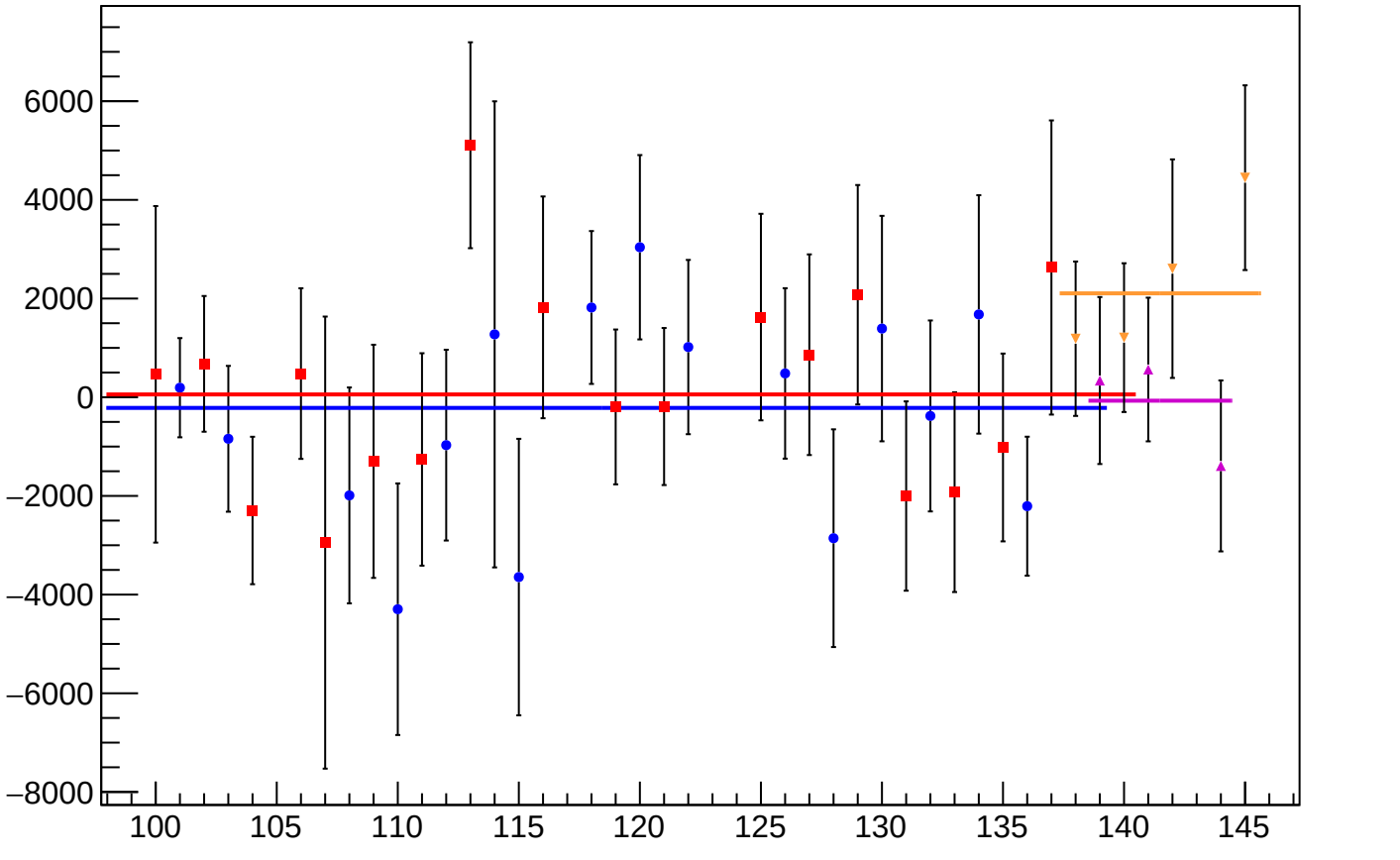
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 799.205+/-0.348 χ^2/NDF:431.3/2

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

All: 791.785+/-0.125 χ^2/NDF: 22036.2/40

- sign 793.690+/-0.178 χ^2/NDF: 7784.8/20



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

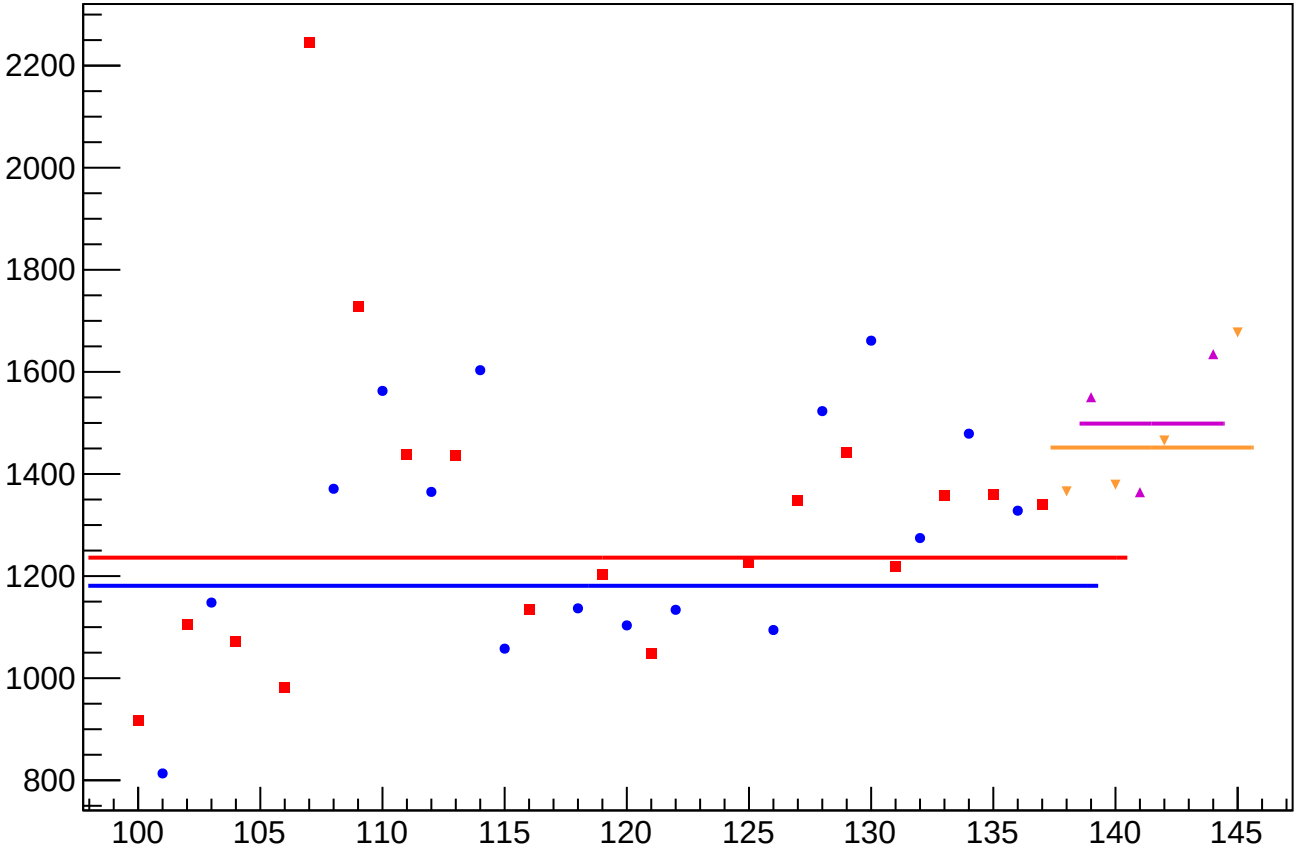
Left In: -69.961+/-930.815 χ^2/NDF:0.8/2

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

All: 159.686+/-287.650 χ^2/NDF: 39.4/40

- sign 31.560+/-415.249 χ^2/NDF: 16.0/20

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

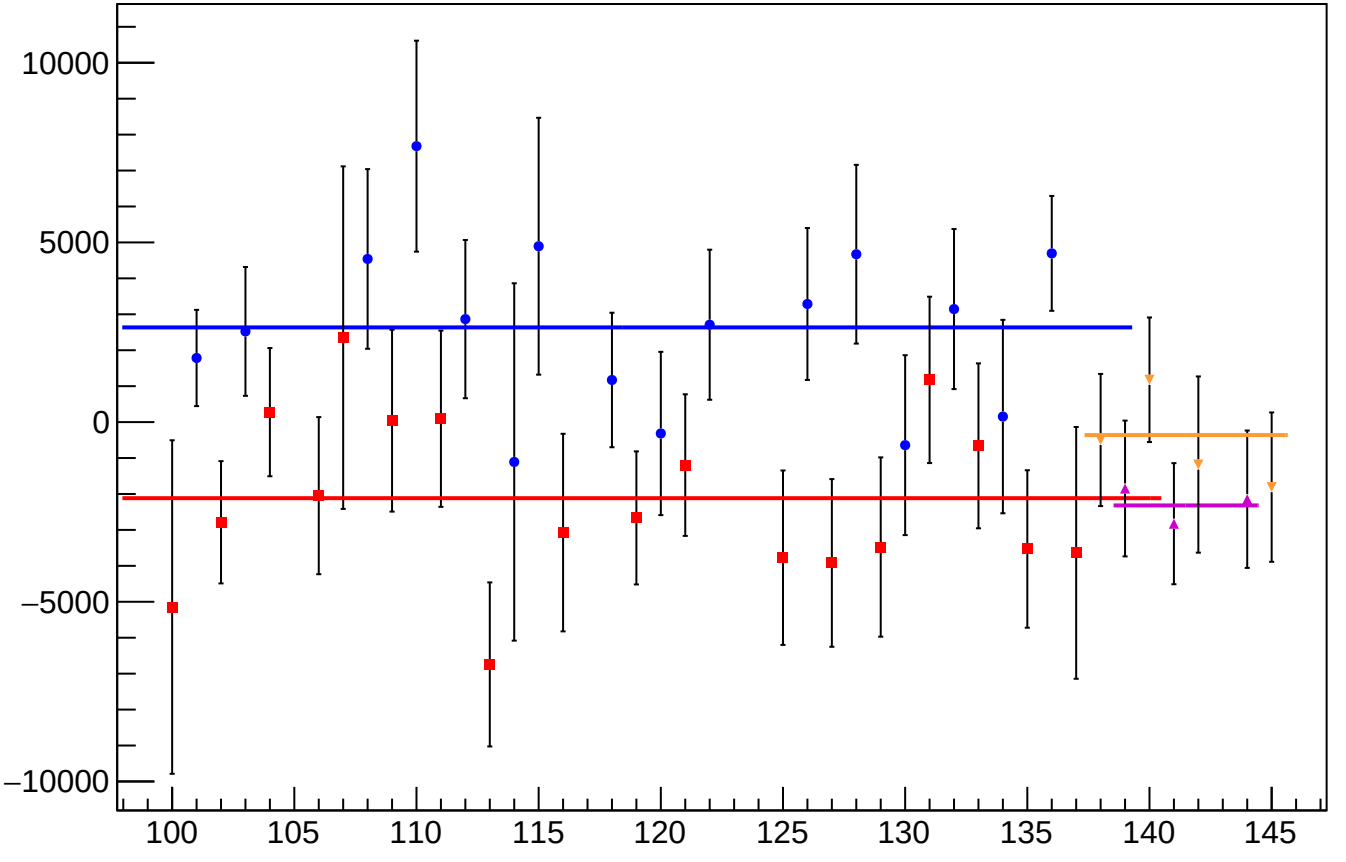
Left In: 1498.721+/-0.658 χ^2/NDF:31237.8/2

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

All: 1262.509+/-0.203 χ^2/NDF: 1336279.7/40

- sign 1288.391+/-0.294 χ^2/NDF: 555970.8/20

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

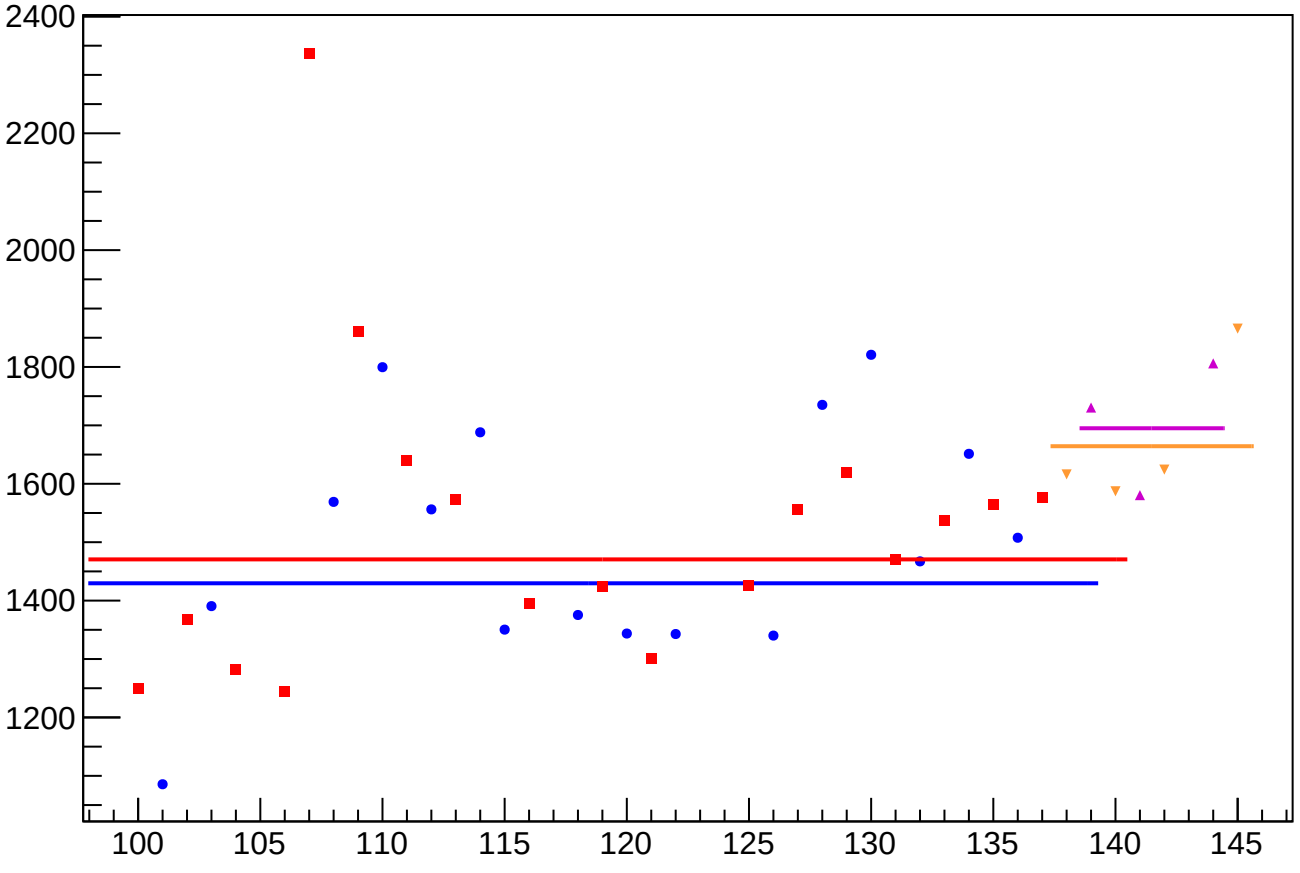
Left In: -2318.678+/-1050.495 χ^2/NDF:0.2/2

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

All: -49.465+/-338.574 χ^2/NDF: 71.5/40

\- sign -2160.205+/-485.504 χ^2/NDF: 13.9/20

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

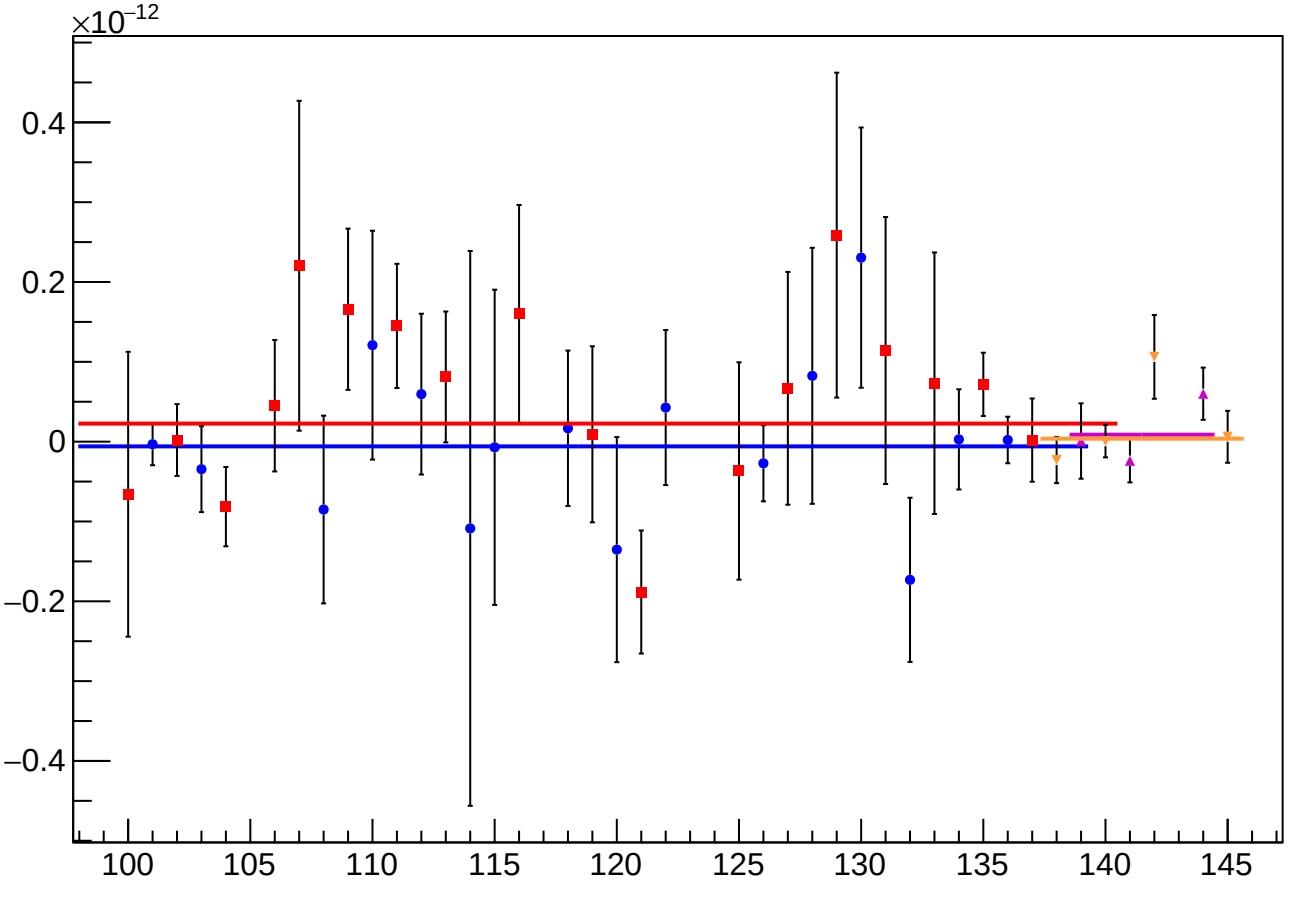
Left In: 1695.058+/-0.743 χ^2/NDF:16693.9/2

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

All: 1500.486+/-0.239 χ^2/NDF: 717155.6/40

- sign 1518.516+/-0.343 χ^2/NDF: 306589.1/20

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

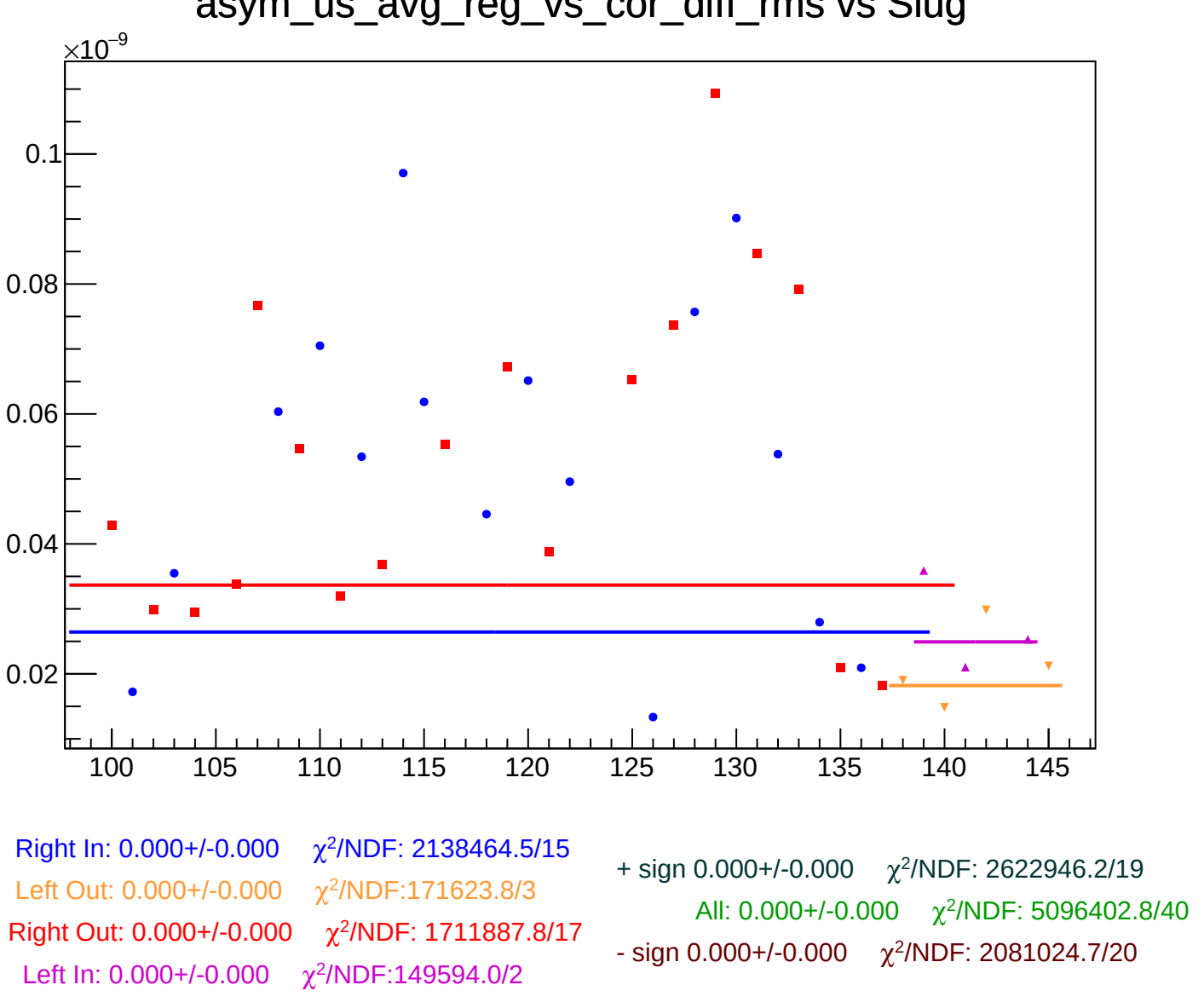
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

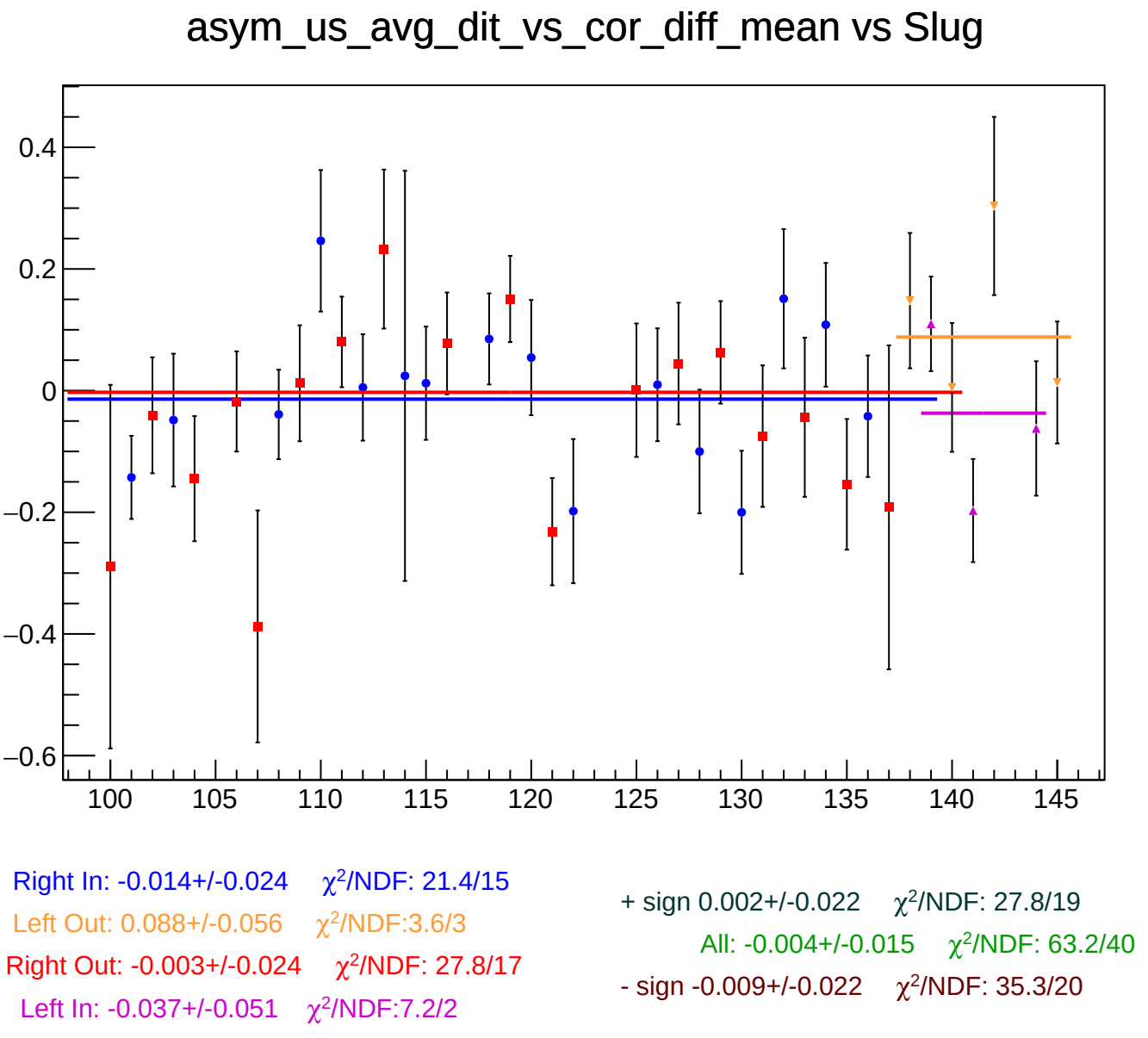
Left In: 0.000+/-0.000 χ^2/NDF:3.9/2

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

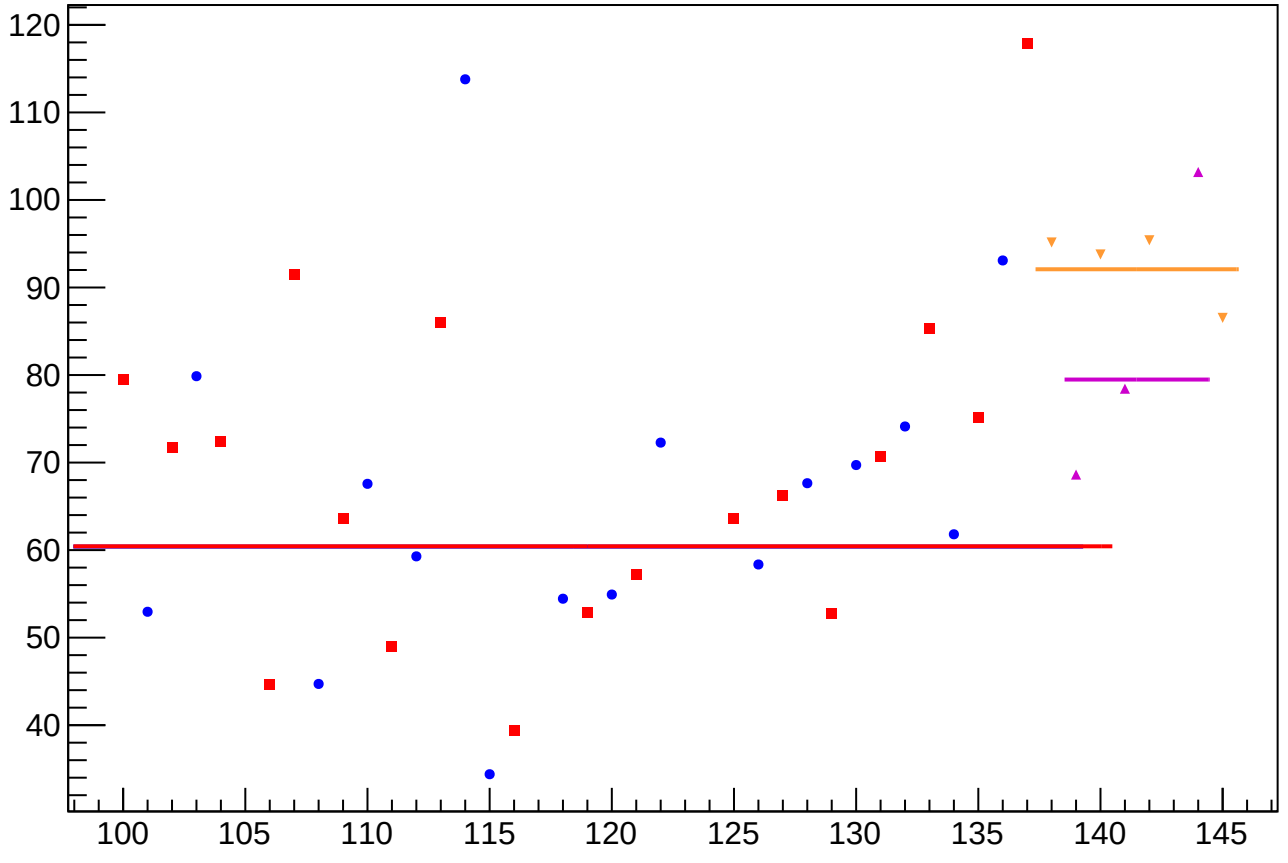
All: 0.000+/-0.000 χ^2/NDF: 41.7/40

- sign 0.000+/-0.000 χ^2/NDF: 27.3/20


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
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:149594.0/2
+ sign 0.000+/-0.000 χ²/NDF: 2622946.2/19
All: 0.000+/-0.000 χ²/NDF: 5096402.8/40
- sign 0.000+/-0.000 χ²/NDF: 2081024.7/20


asym_us_avg_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
145
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: 0.088+/-0.056 χ²/NDF:3.6/3
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.037+/-0.051 χ²/NDF:7.2/2
+ sign 0.002+/-0.022 χ²/NDF: 27.8/19
All: -0.004+/-0.015 χ²/NDF: 63.2/40
- sign -0.009+/-0.022 χ²/NDF: 35.3/20

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

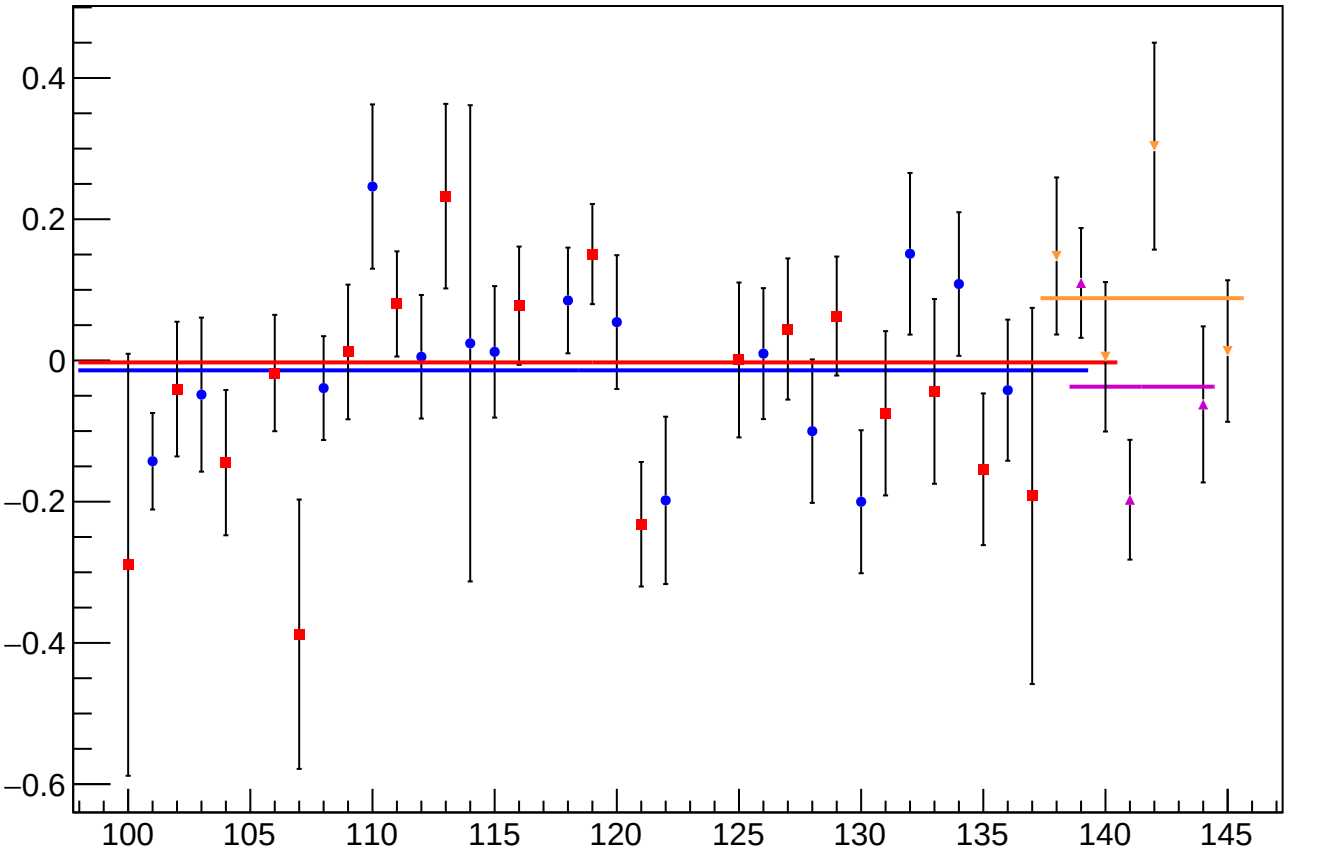
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 79.484+/-0.036 χ^2/NDF:131325.6/2

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

All: 64.530+/-0.011 χ^2/NDF: 2326848.0/40

- sign 63.853+/-0.015 χ^2/NDF: 1072487.6/20



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

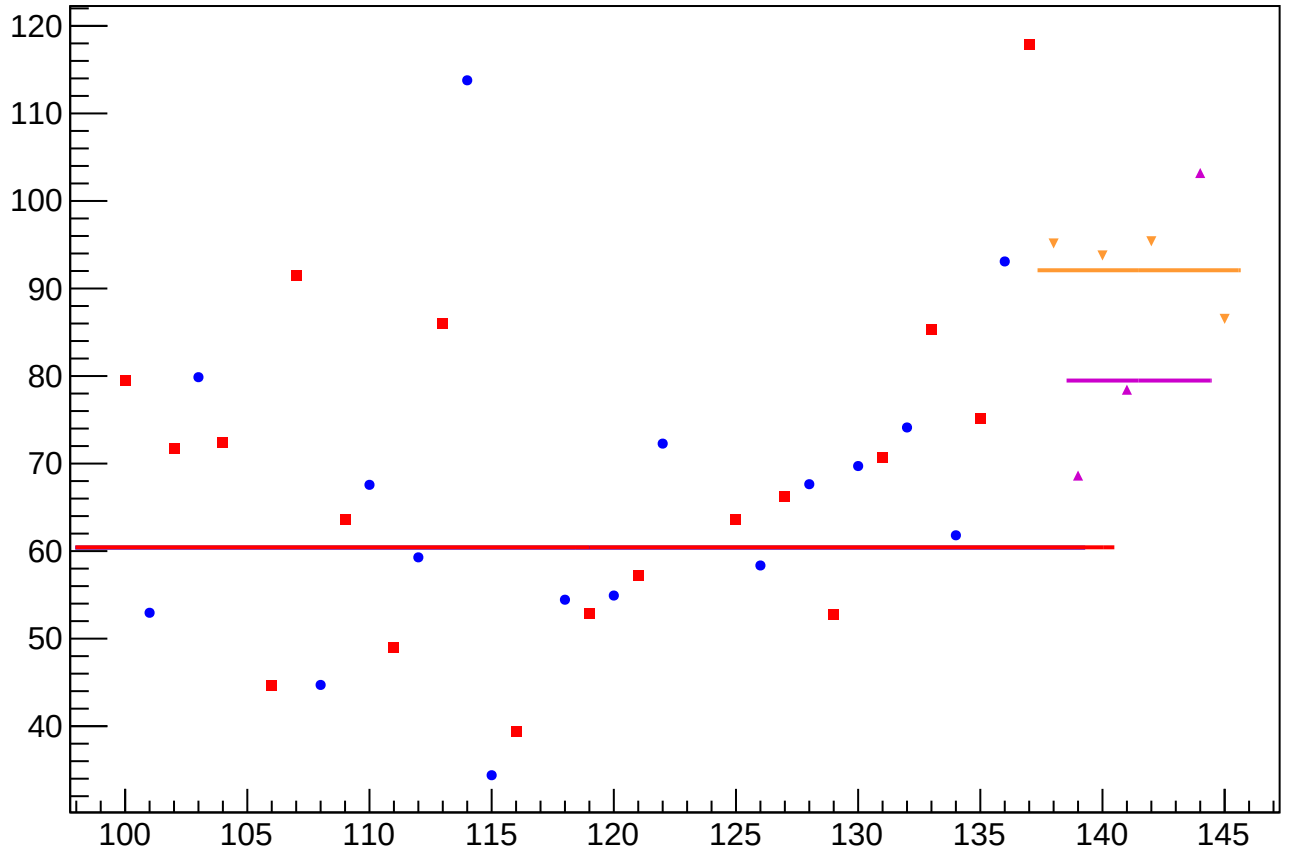
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.037+/-0.051 χ^2/NDF:7.2/2

+ sign 0.002+/-0.022 χ^2/NDF: 27.8/19

All: -0.004+/-0.015 χ^2/NDF: 63.2/40

- sign -0.009+/-0.022 χ^2/NDF: 35.3/20



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

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

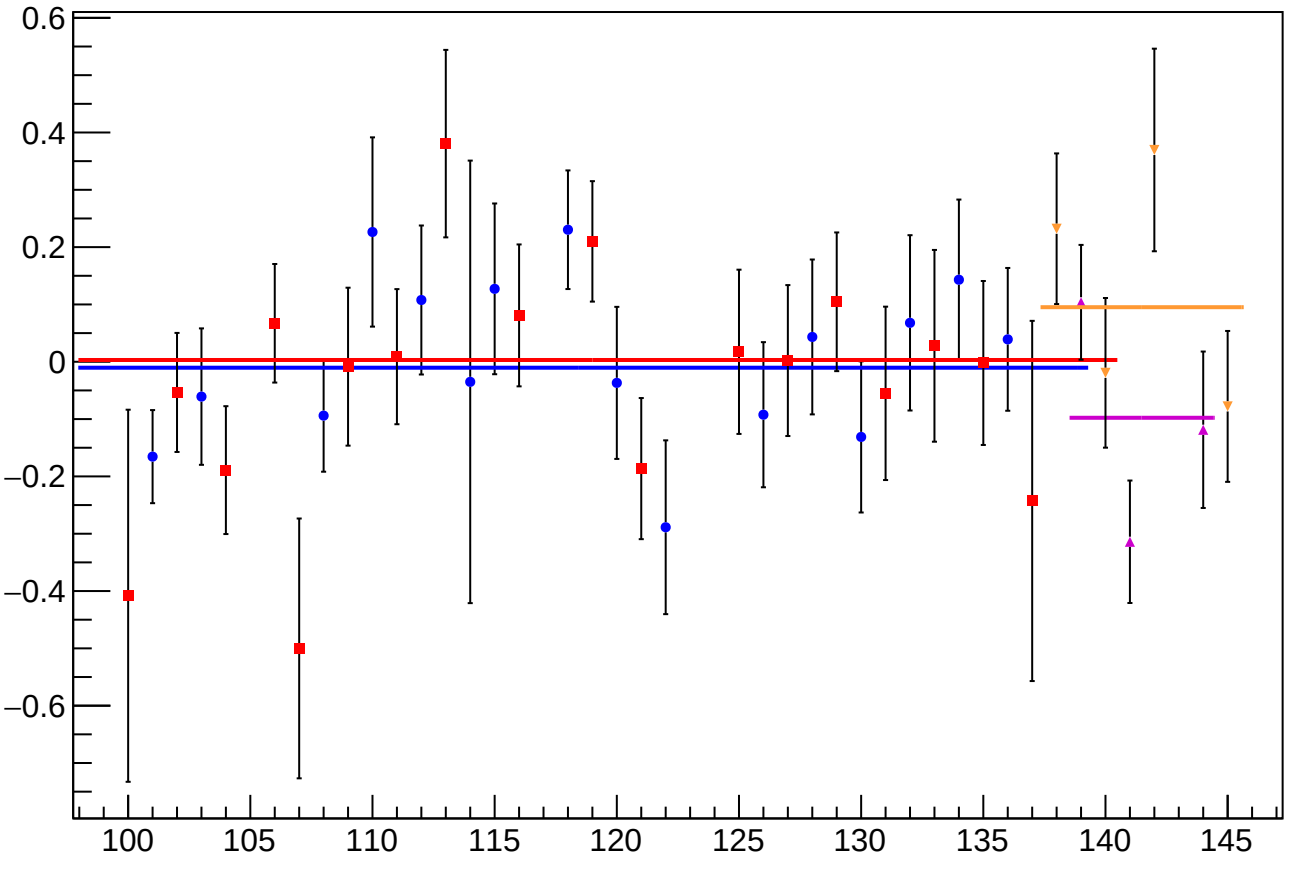
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 79.484+/-0.036 χ^2/NDF:131325.6/2

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

All: 64.530+/-0.011 χ^2/NDF: 2326848.0/40

- sign 63.853+/-0.015 χ^2/NDF: 1072487.6/20



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

Left Out: 0.095+/-0.070 χ^2/NDF:6.0/3

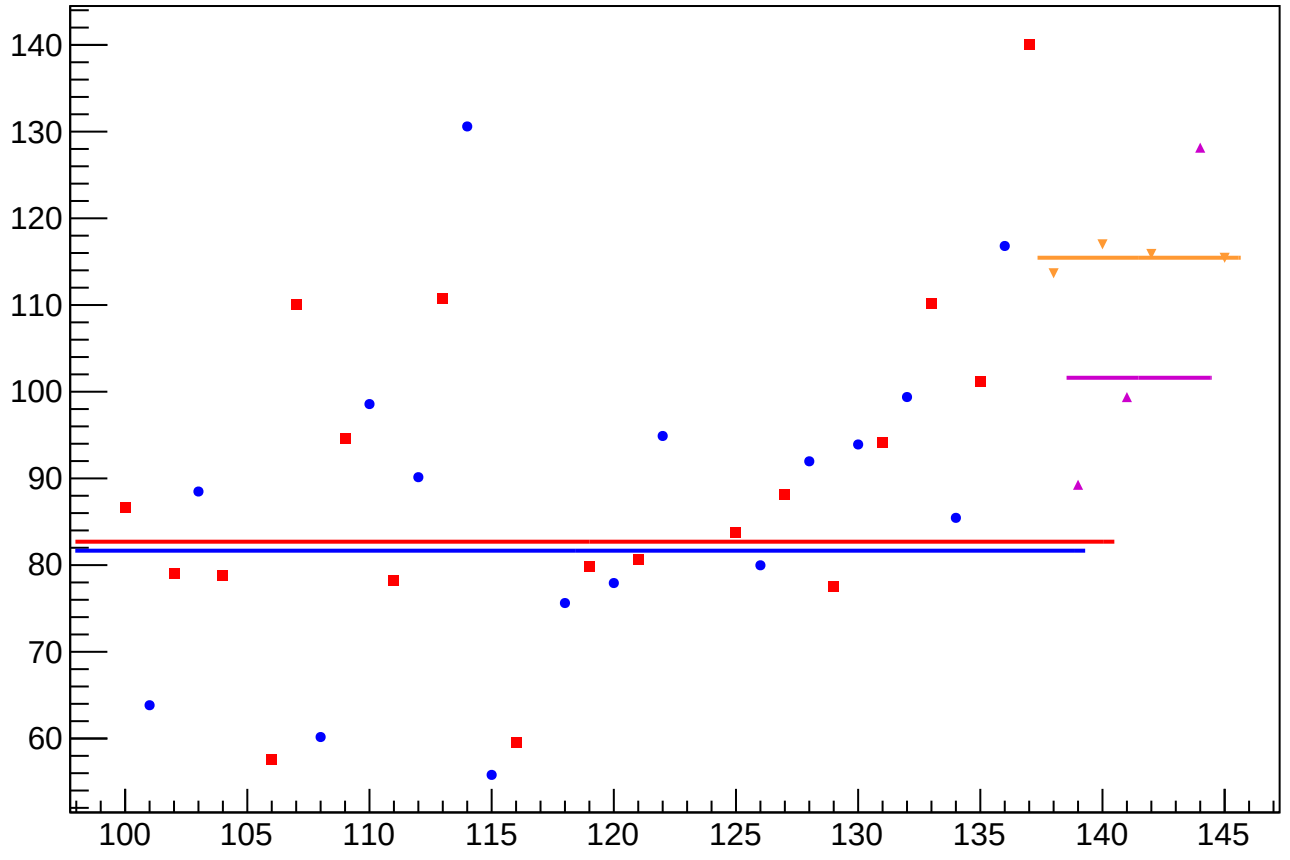
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.098+/-0.064 χ^2/NDF:8.2/2

+ sign 0.008+/-0.029 χ^2/NDF: 28.1/19

All: -0.005+/-0.020 χ^2/NDF: 62.2/40

- sign -0.017+/-0.028 χ^2/NDF: 33.8/20



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

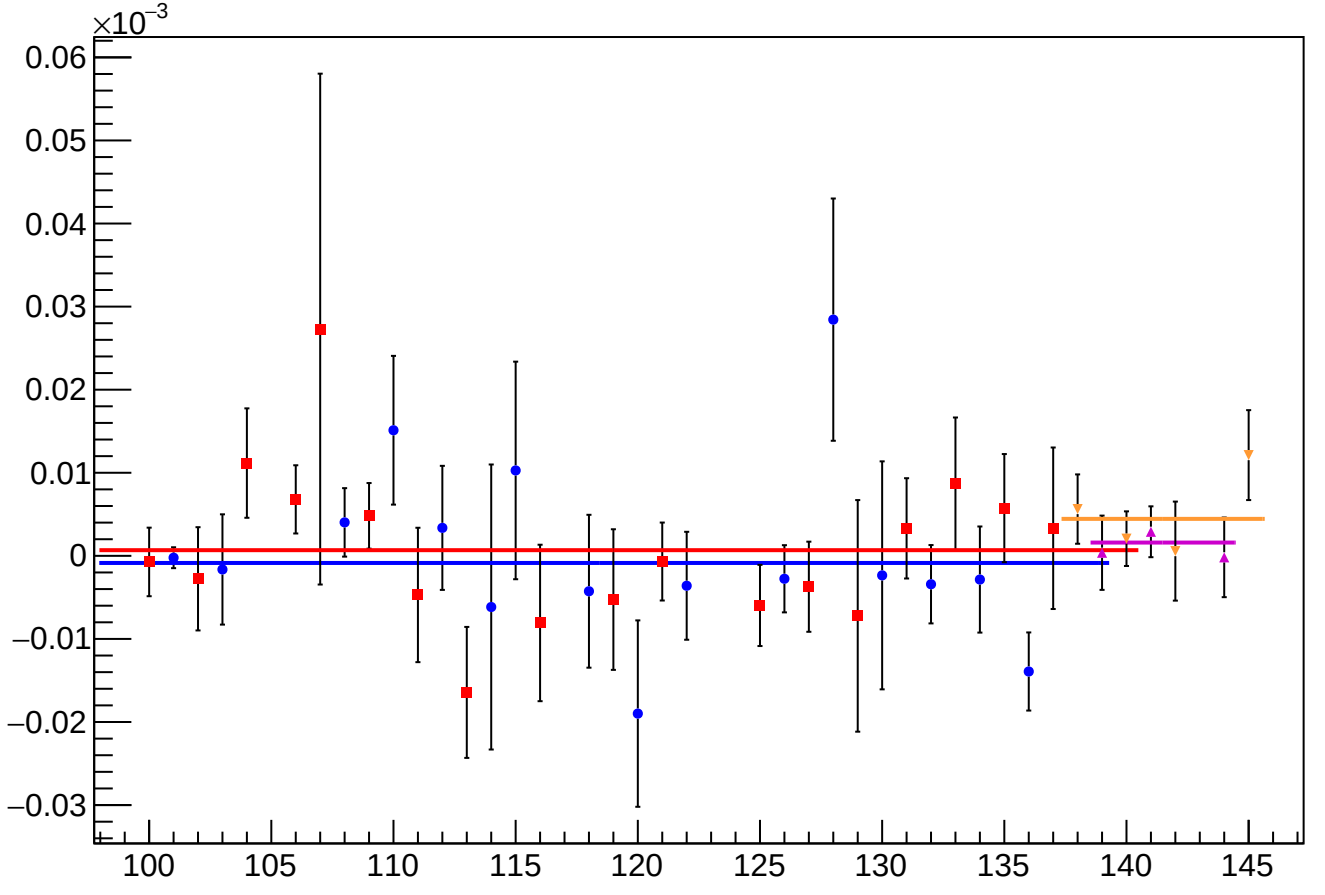
Left In: 101.608+/-0.046 χ^2/NDF:106891.3/2

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

All: 86.911+/-0.014 χ^2/NDF: 1673068.0/40

- sign 86.395+/-0.020 χ^2/NDF: 718611.7/20

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

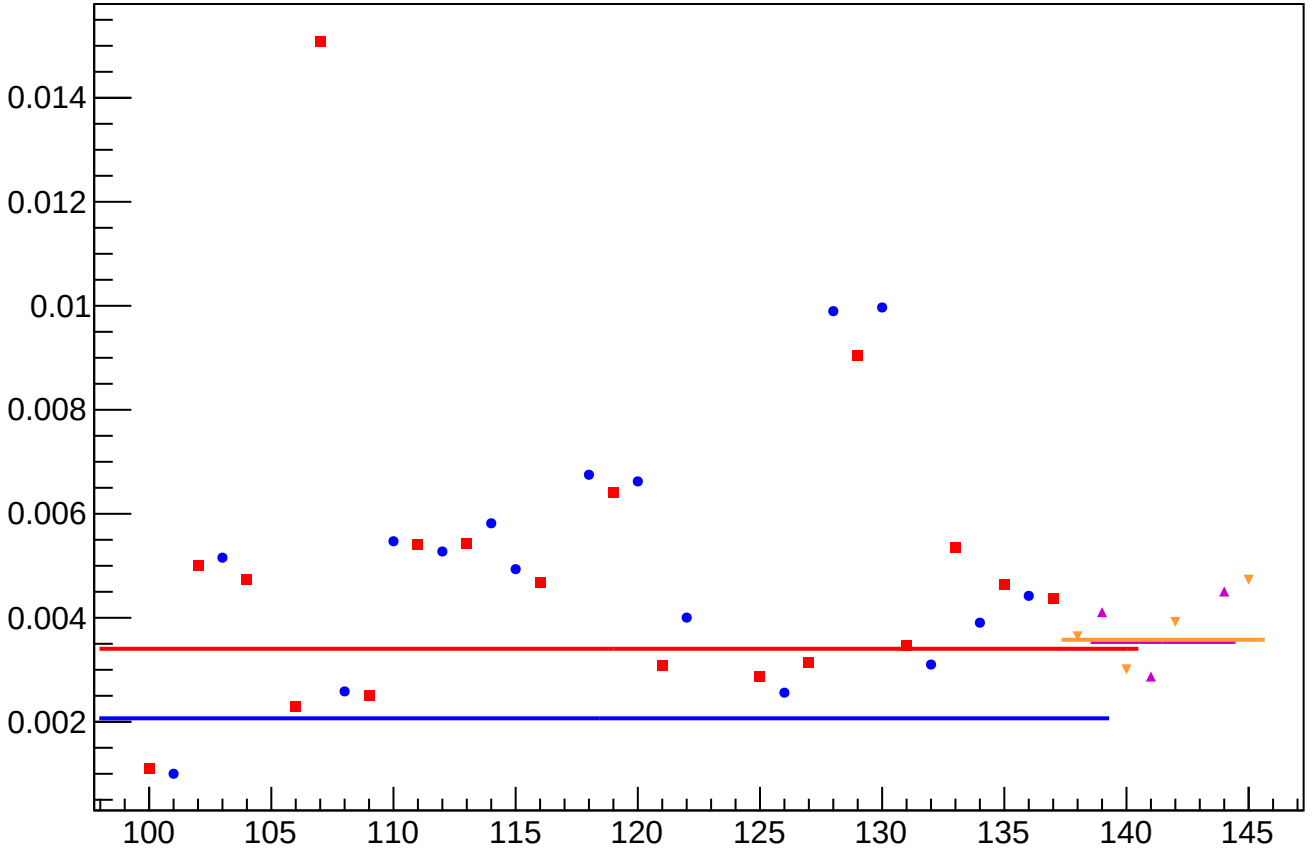
Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 29.3/19

All: 0.000+/-0.000 χ^2/NDF: 48.4/40

- sign 0.000+/-0.000 χ^2/NDF: 18.9/20

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

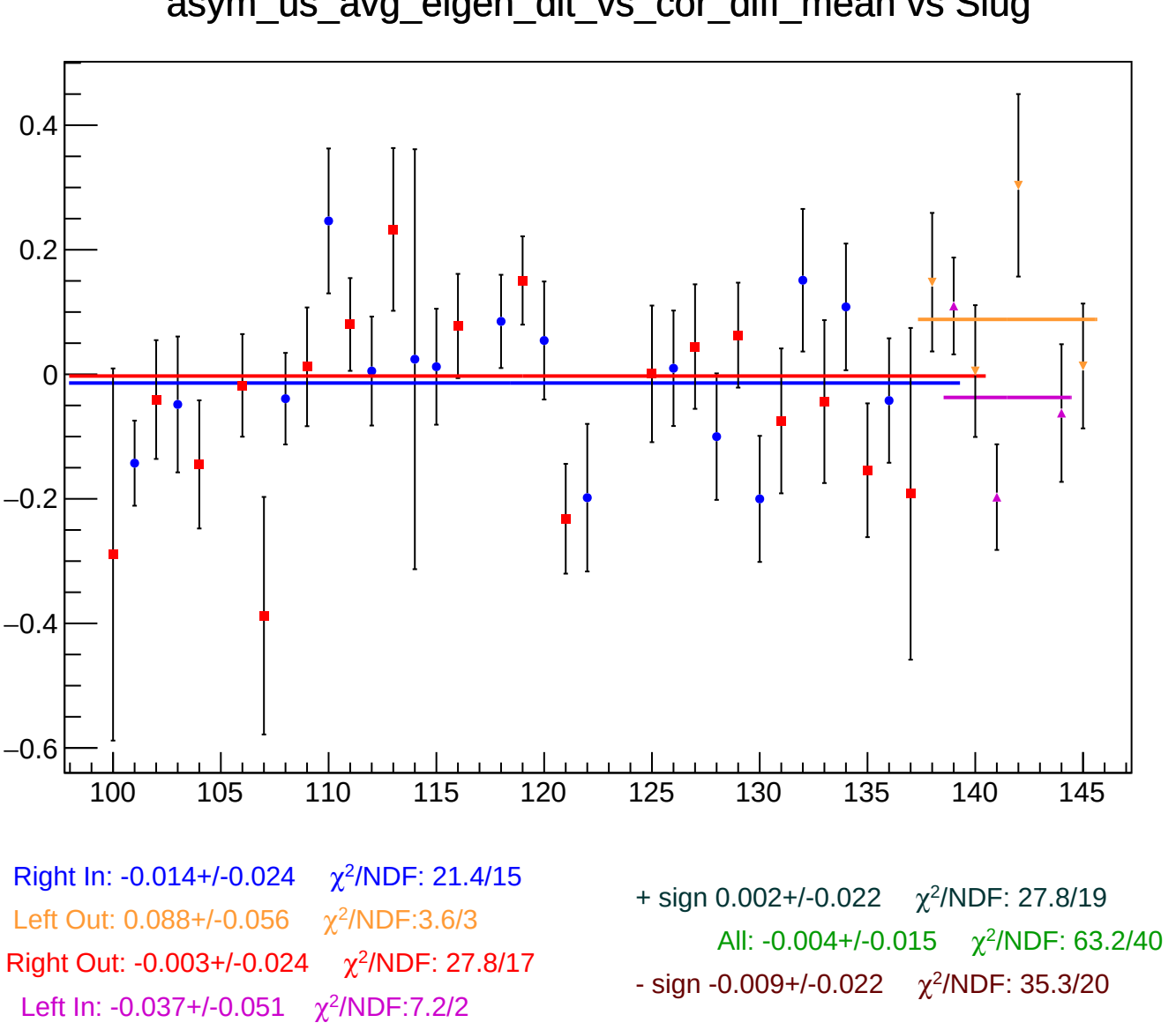
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.004+/-0.000 χ^2/NDF:209209.9/2

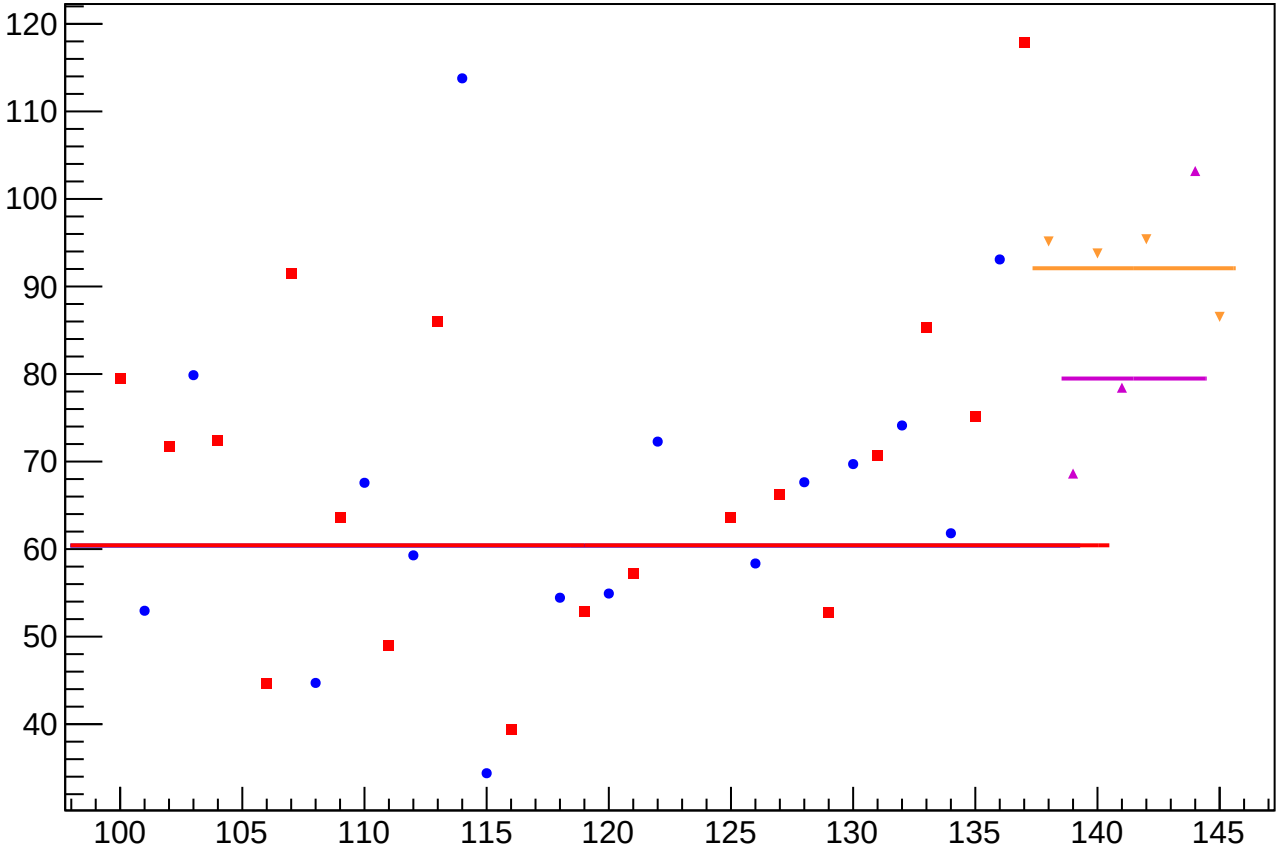
+ sign 0.002+/-0.000 χ^2/NDF: 6768434.2/19

All: 0.003+/-0.000 χ^2/NDF: 10549496.5/40

- sign 0.003+/-0.000 χ^2/NDF: 2705387.4/20


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
145
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: 0.088+/-0.056 χ²/NDF:3.6/3
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.037+/-0.051 χ²/NDF:7.2/2
+ sign 0.002+/-0.022 χ²/NDF: 27.8/19
All: -0.004+/-0.015 χ²/NDF: 63.2/40
- sign -0.009+/-0.022 χ²/NDF: 35.3/20

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

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

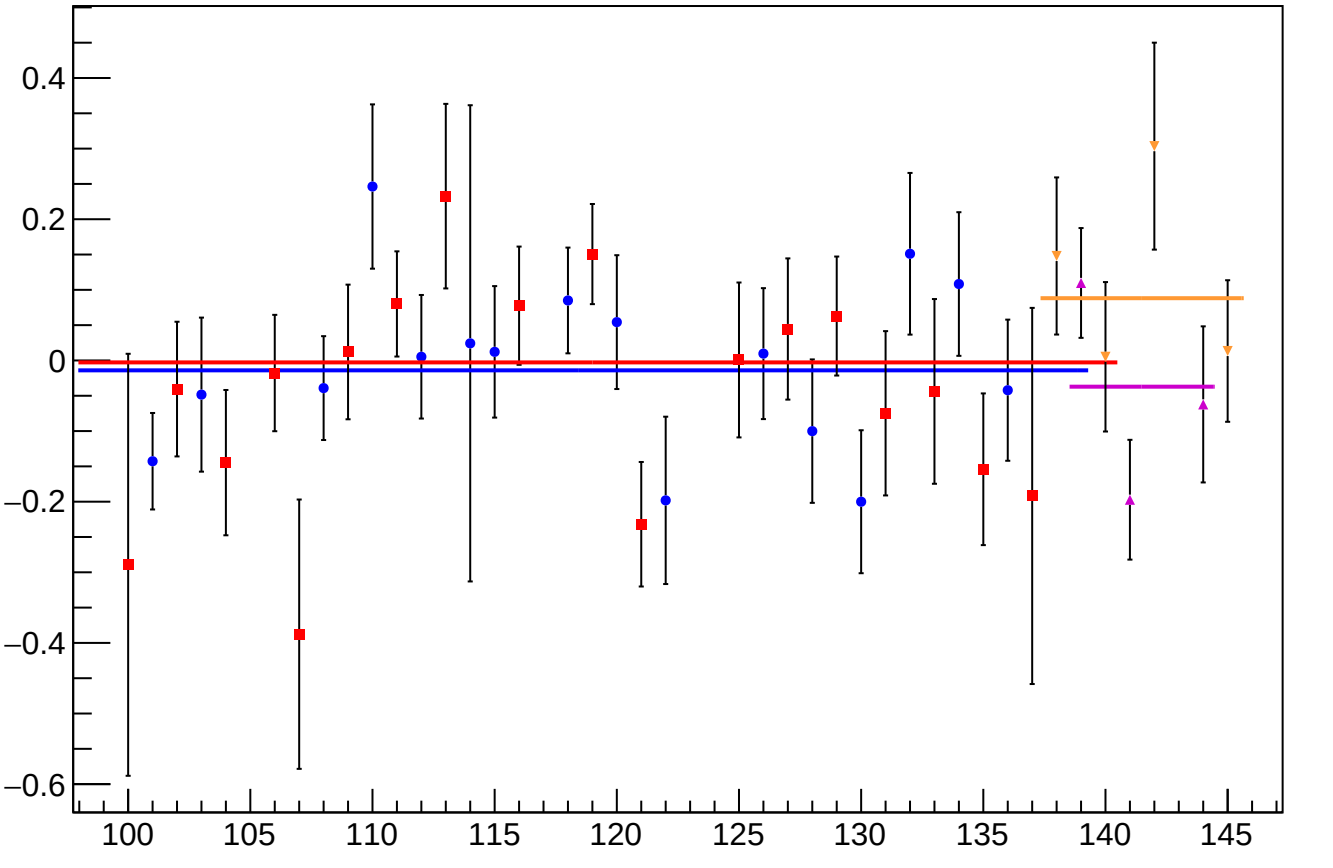
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 79.485+/-0.036 χ^2/NDF:131315.2/2

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

All: 64.528+/-0.011 χ^2/NDF: 2326986.1/40

- sign 63.851+/-0.015 χ^2/NDF: 1072558.6/20



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

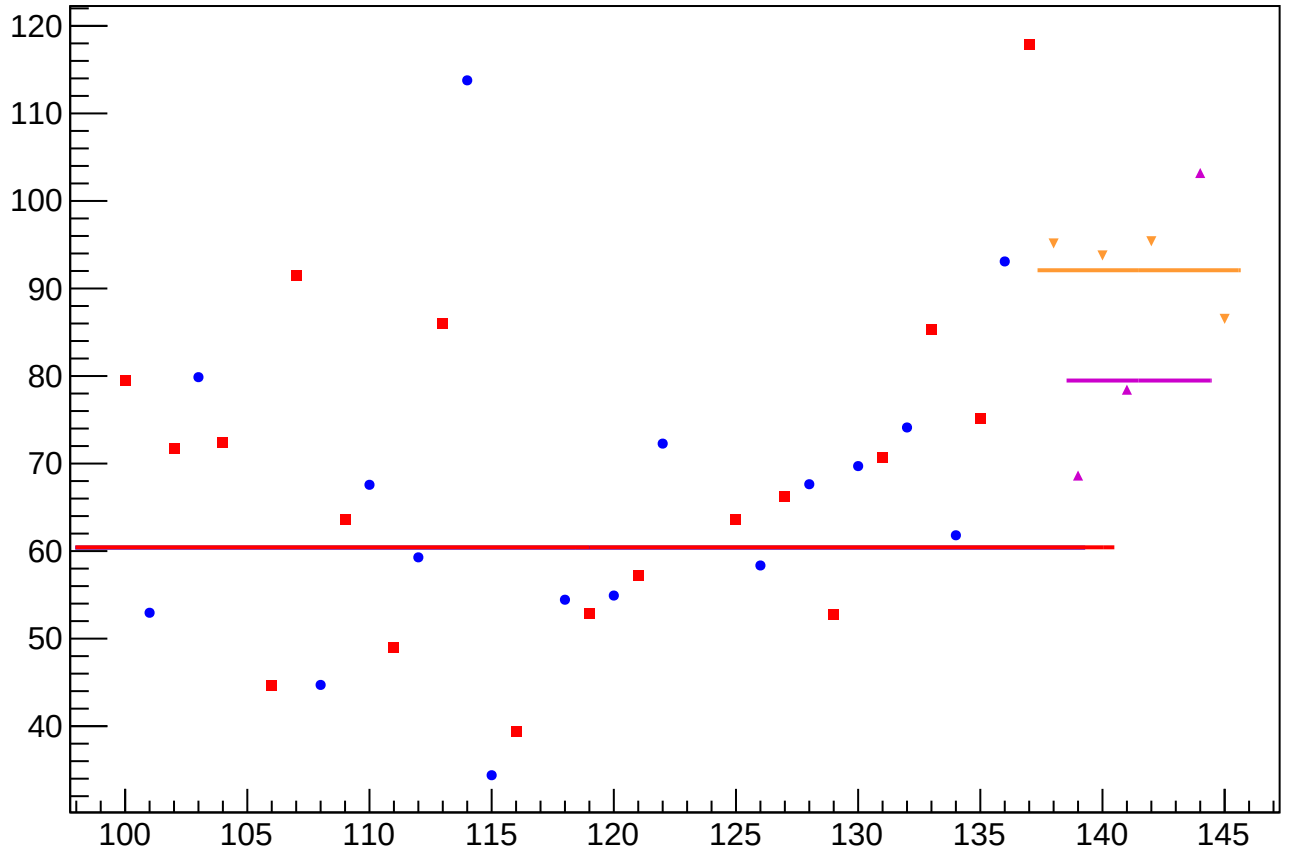
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.037+/-0.051 χ^2/NDF:7.2/2

+ sign 0.002+/-0.022 χ^2/NDF: 27.8/19

All: -0.004+/-0.015 χ^2/NDF: 63.2/40

- sign -0.009+/-0.022 χ^2/NDF: 35.3/20



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

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

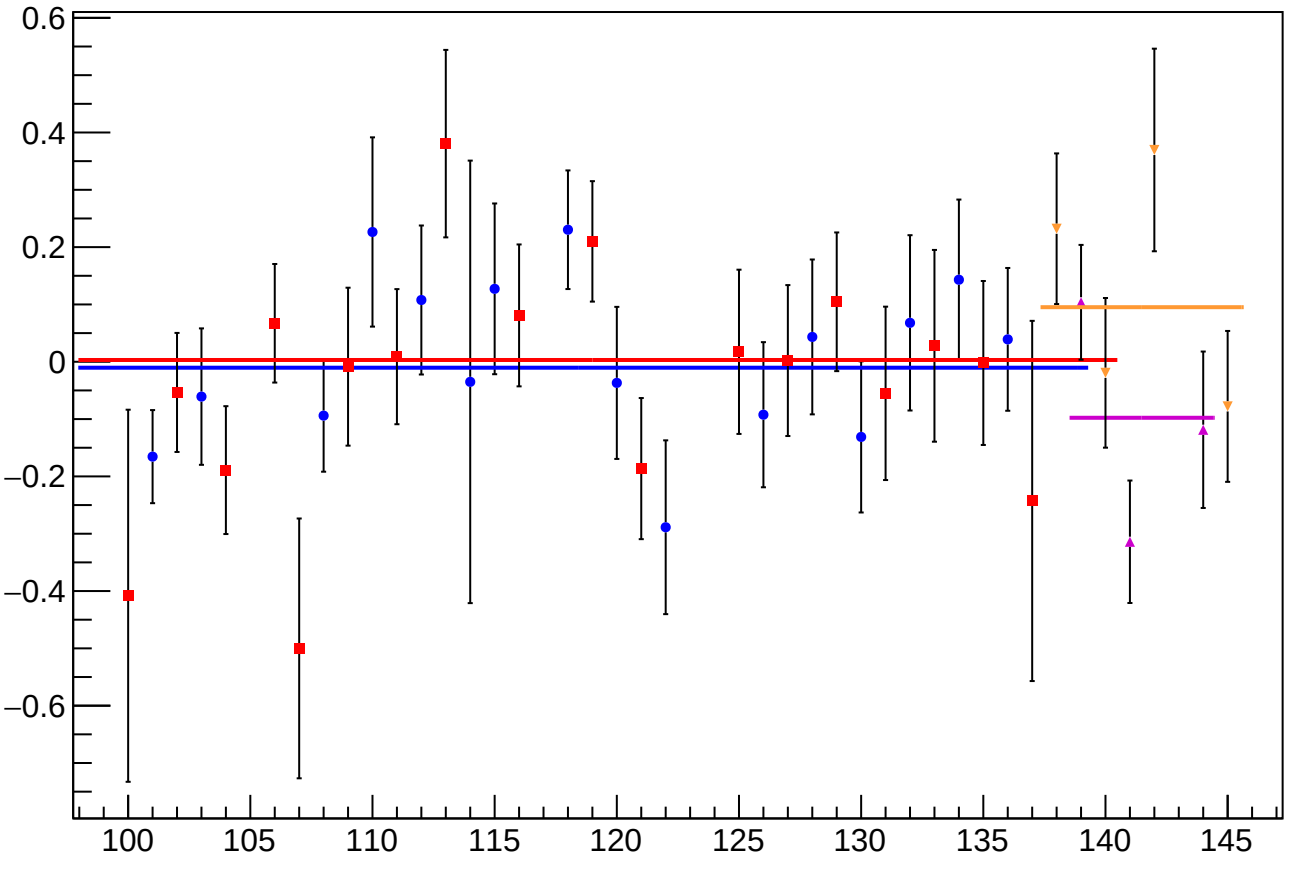
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 79.485+/-0.036 χ^2/NDF:131315.2/2

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

All: 64.528+/-0.011 χ^2/NDF: 2326986.1/40

- sign 63.851+/-0.015 χ^2/NDF: 1072558.6/20



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

Left Out: 0.095+/-0.070 χ^2/NDF:6.0/3

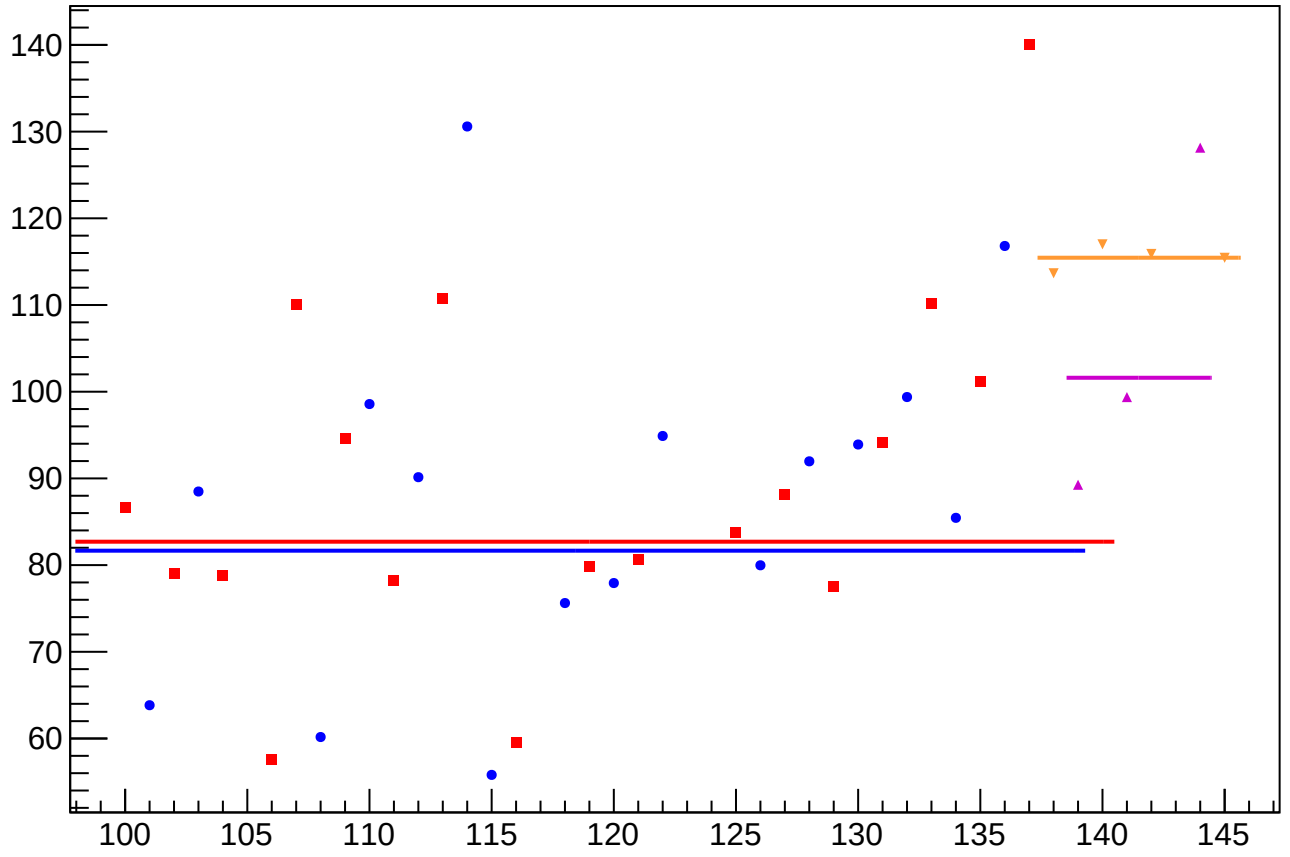
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.098+/-0.064 χ^2/NDF:8.2/2

+ sign 0.008+/-0.029 χ^2/NDF: 28.1/19

All: -0.005+/-0.020 χ^2/NDF: 62.2/40

- sign -0.017+/-0.028 χ^2/NDF: 33.8/20



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

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

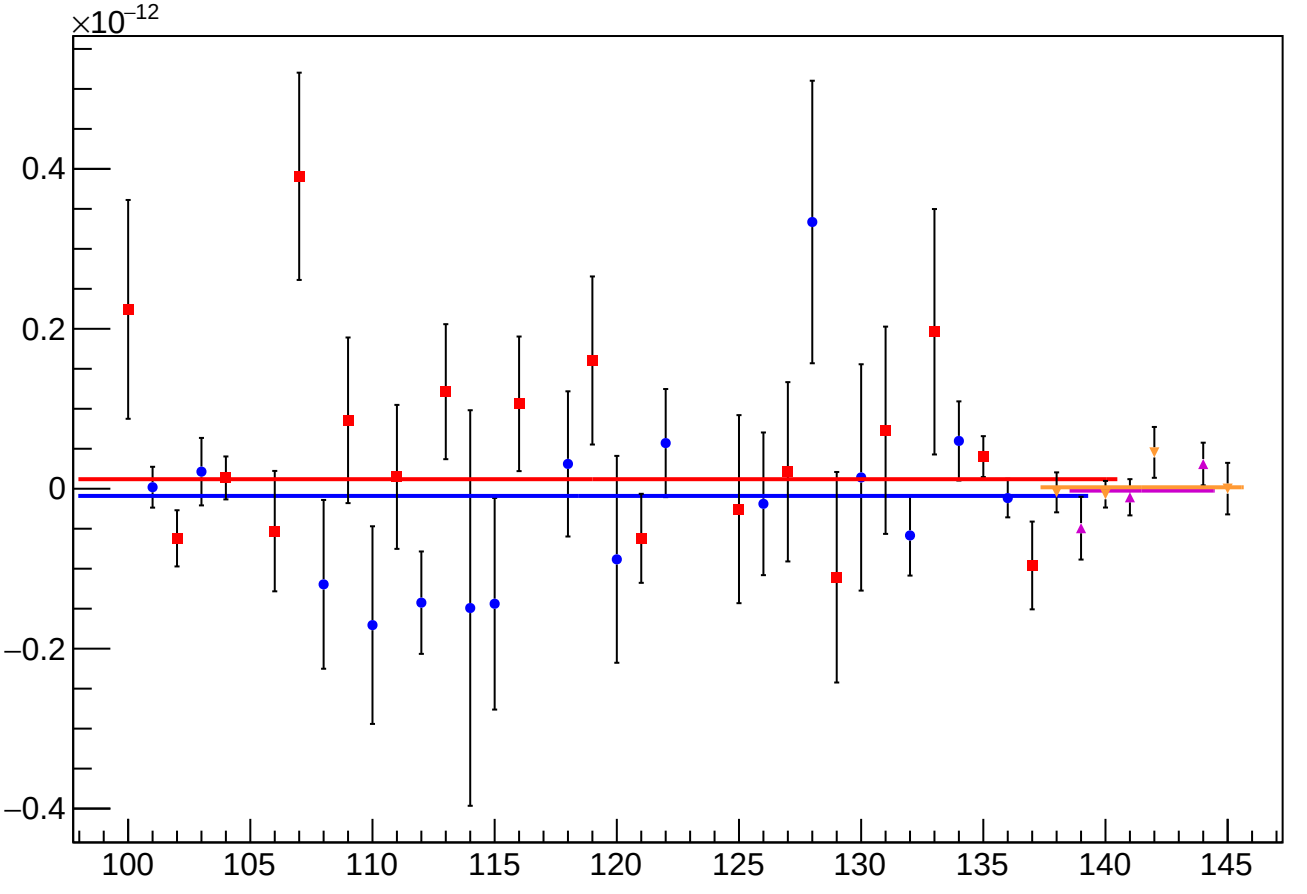
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 101.609+/-0.046 χ^2/NDF:106885.8/2

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

All: 86.910+/-0.014 χ^2/NDF: 1673090.7/40

- sign 86.394+/-0.020 χ^2/NDF: 718624.6/20



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

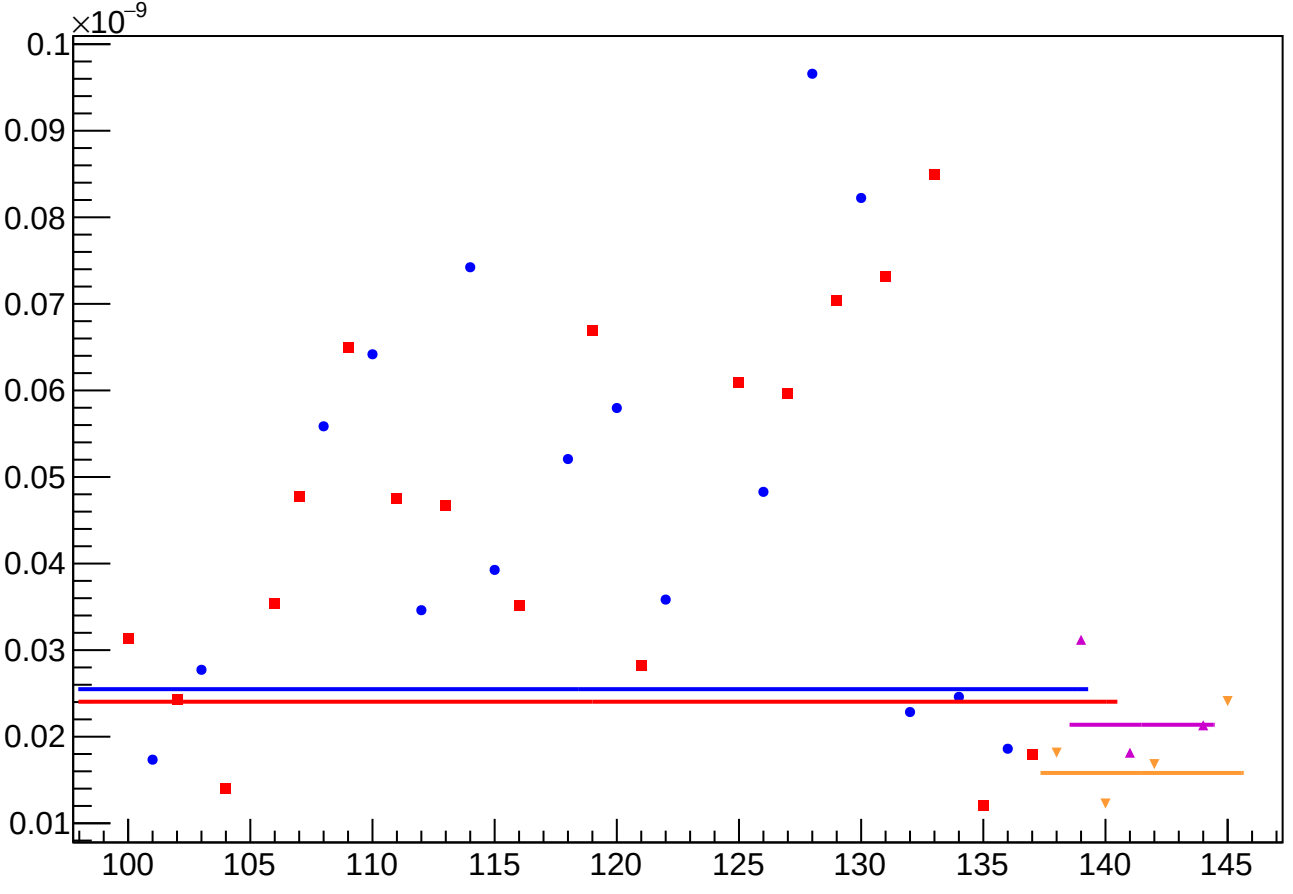
Left In: -0.000+/-0.000 χ^2/NDF:3.1/2

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

All: 0.000+/-0.000 χ^2/NDF: 55.1/40

- sign 0.000+/-0.000 χ^2/NDF: 34.7/20

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

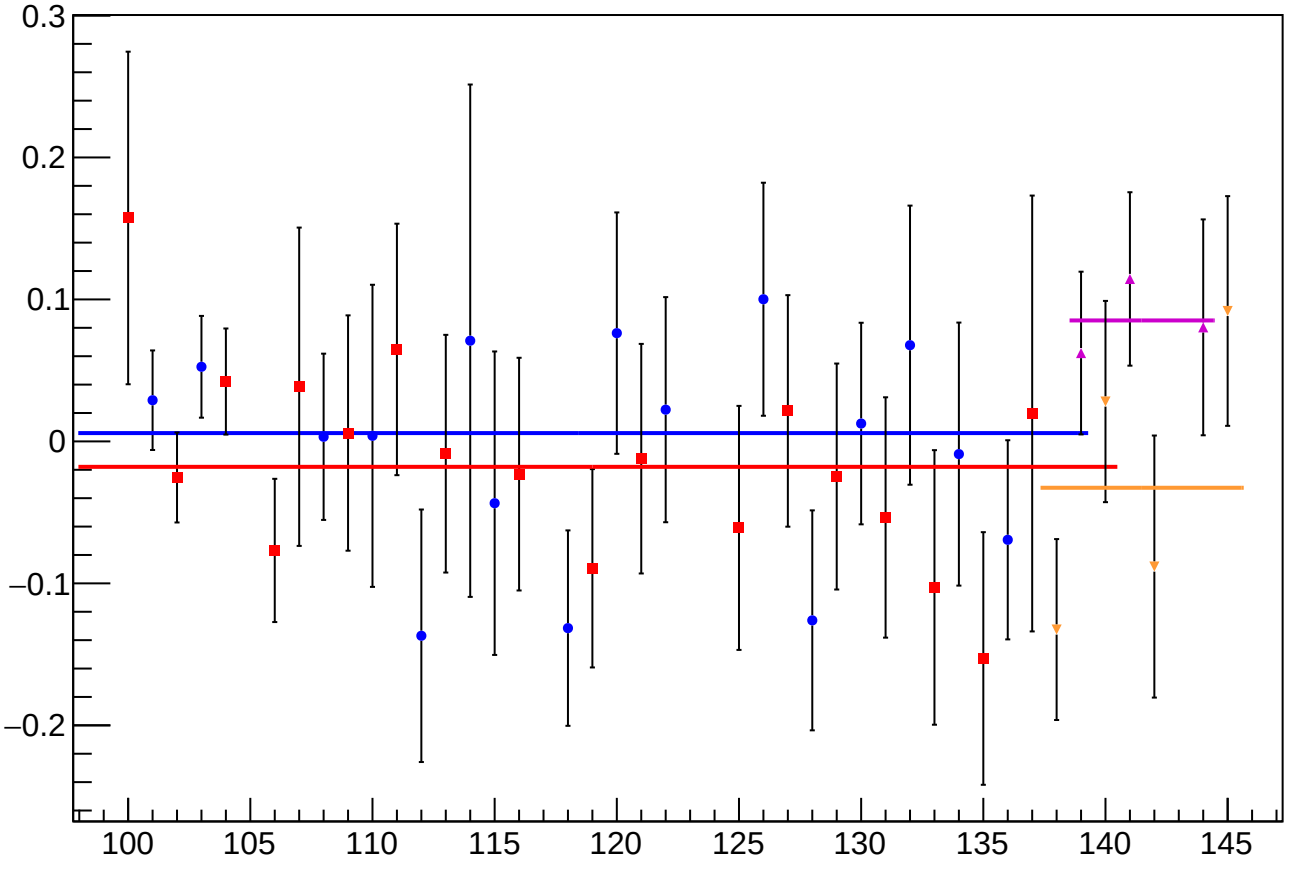
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:165571.5/2

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

All: 0.000+/-0.000 χ^2/NDF: 6208177.3/40

- sign 0.000+/-0.000 χ^2/NDF: 3283146.2/20



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

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

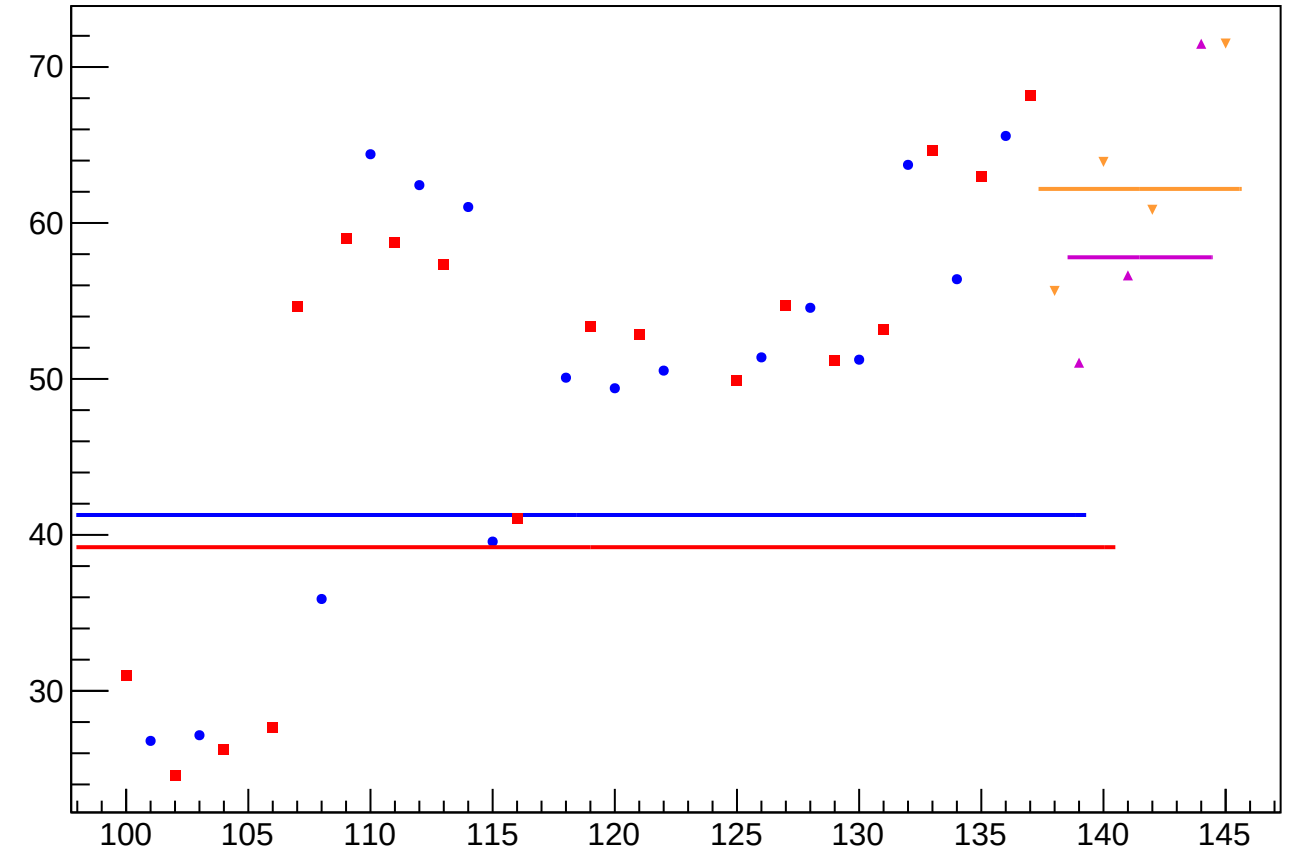
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.085+/-0.037 χ^2/NDF:0.4/2

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

All: -0.001+/-0.010 χ^2/NDF: 41.8/40

\- sign -0.002+/-0.014 χ^2/NDF: 19.4/20



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

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

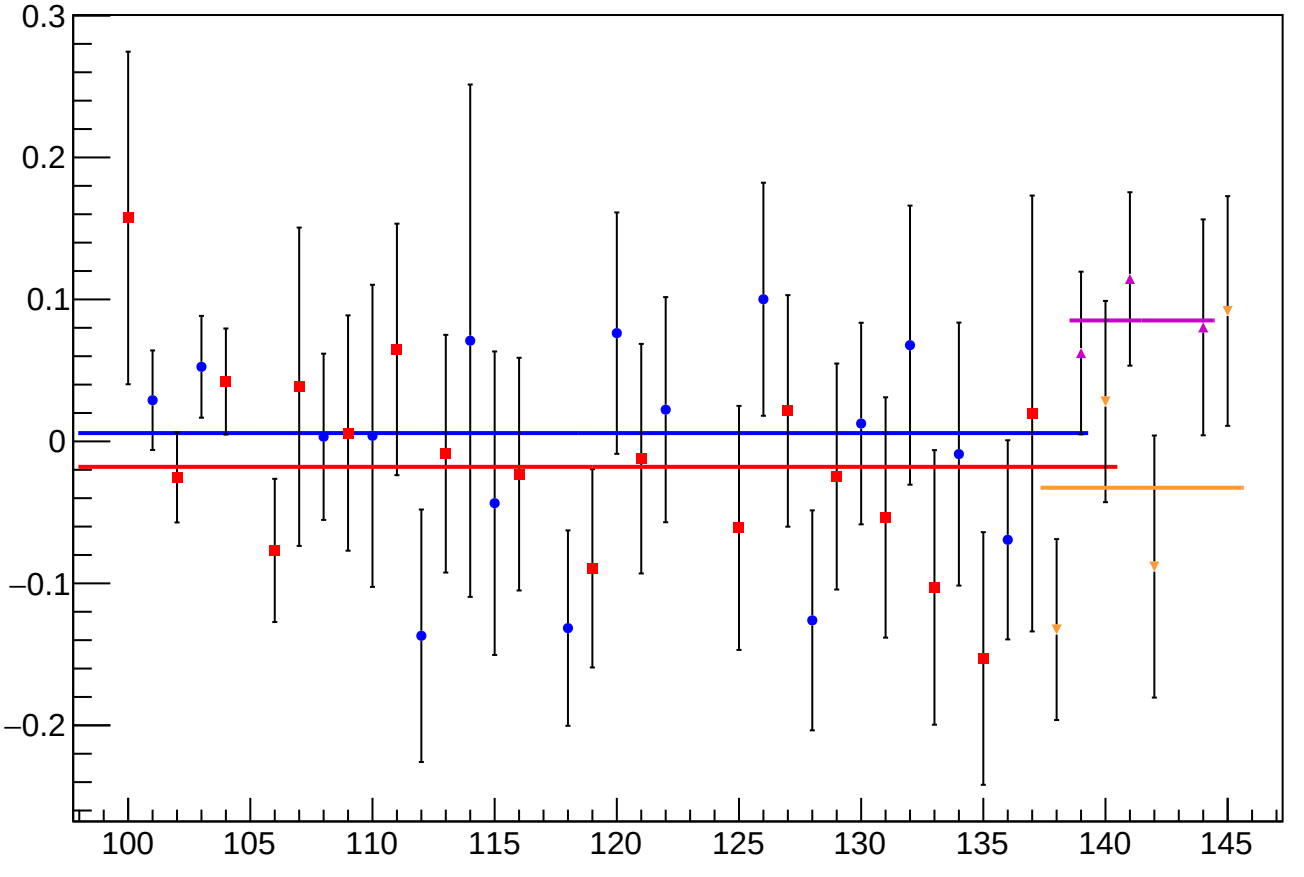
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 57.800+/-0.026 χ^2/NDF:93385.6/2

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

All: 43.344+/-0.007 χ^2/NDF: 4456568.3/40

- sign 42.108+/-0.010 χ^2/NDF: 2348208.7/20



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

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

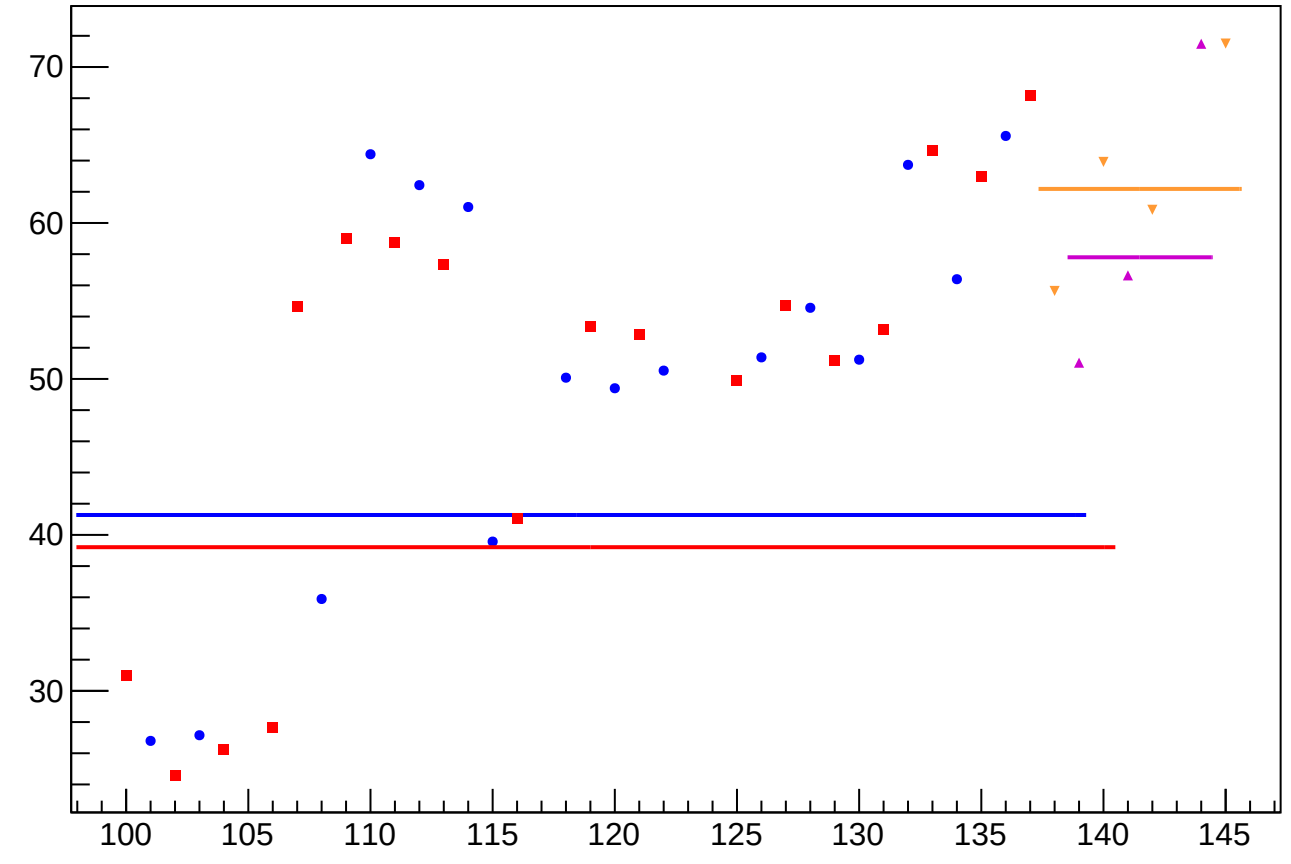
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.085+/-0.037 χ^2/NDF:0.4/2

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

All: -0.001+/-0.010 χ^2/NDF: 41.8/40

\- sign -0.002+/-0.014 χ^2/NDF: 19.4/20



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

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

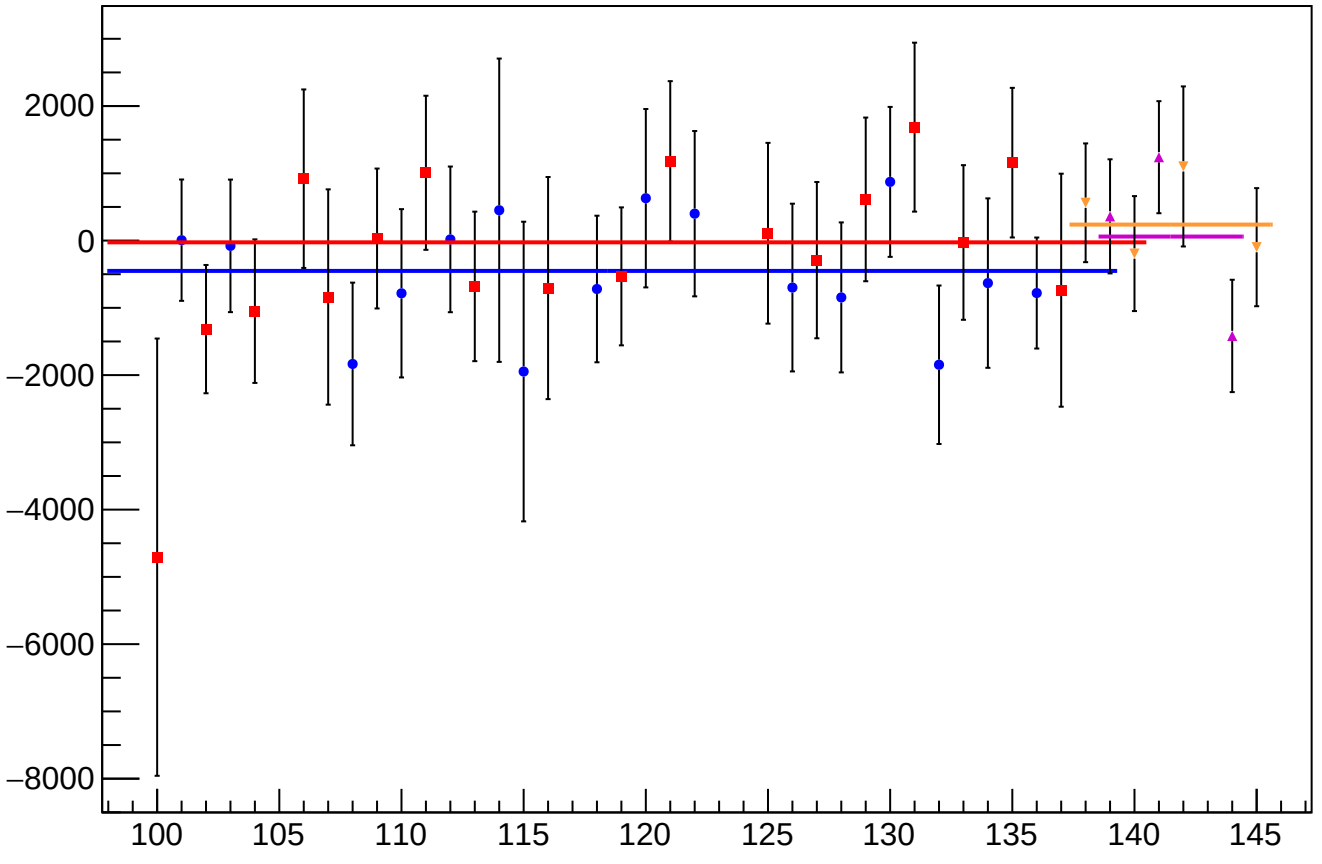
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 57.800+/-0.026 χ^2/NDF:93385.6/2

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

All: 43.344+/-0.007 χ^2/NDF: 4456568.3/40

- sign 42.108+/-0.010 χ^2/NDF: 2348208.7/20



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

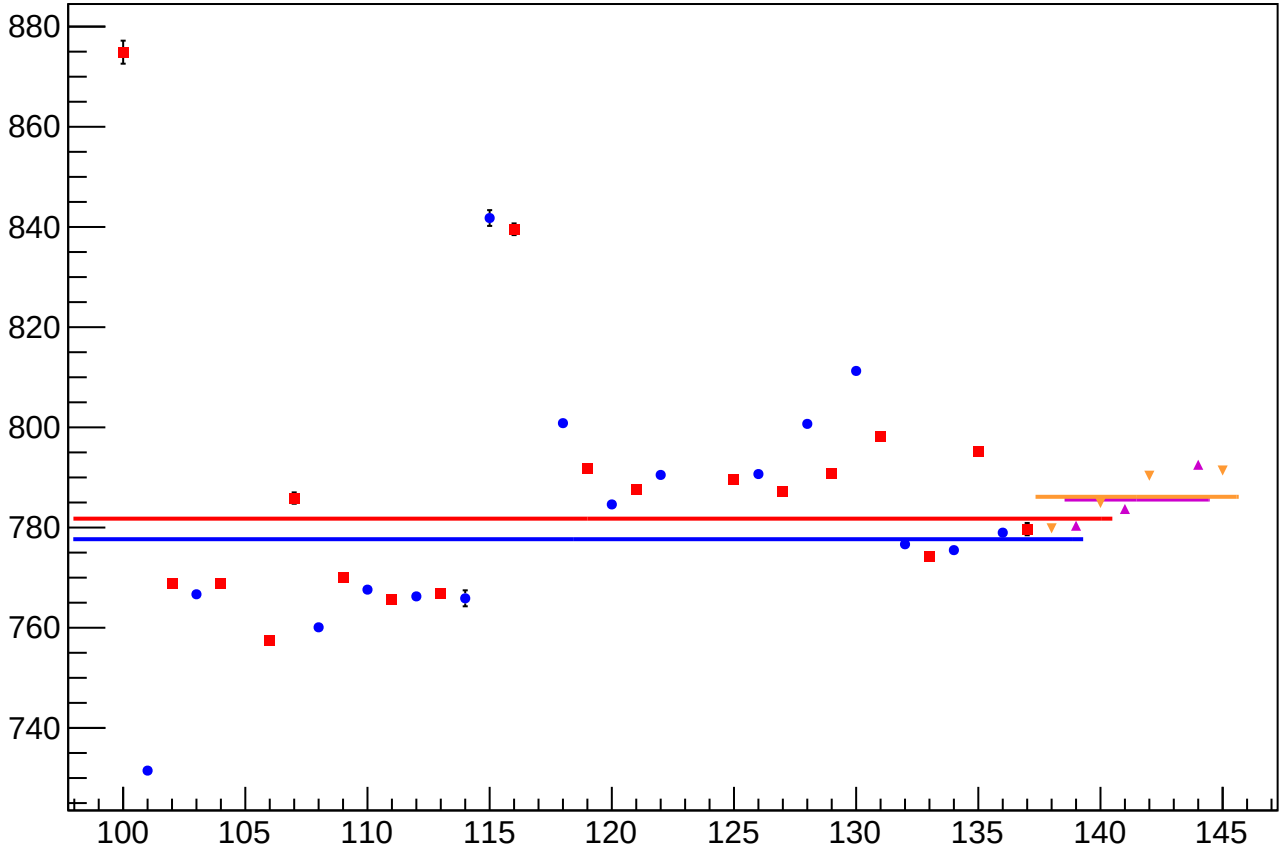
Left In: 59.758+/-484.229 χ^2/NDF:5.3/2

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

All: -132.130+/-174.216 χ^2/NDF: 27.1/40

- sign -3.655+/-247.579 χ^2/NDF: 17.0/20

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

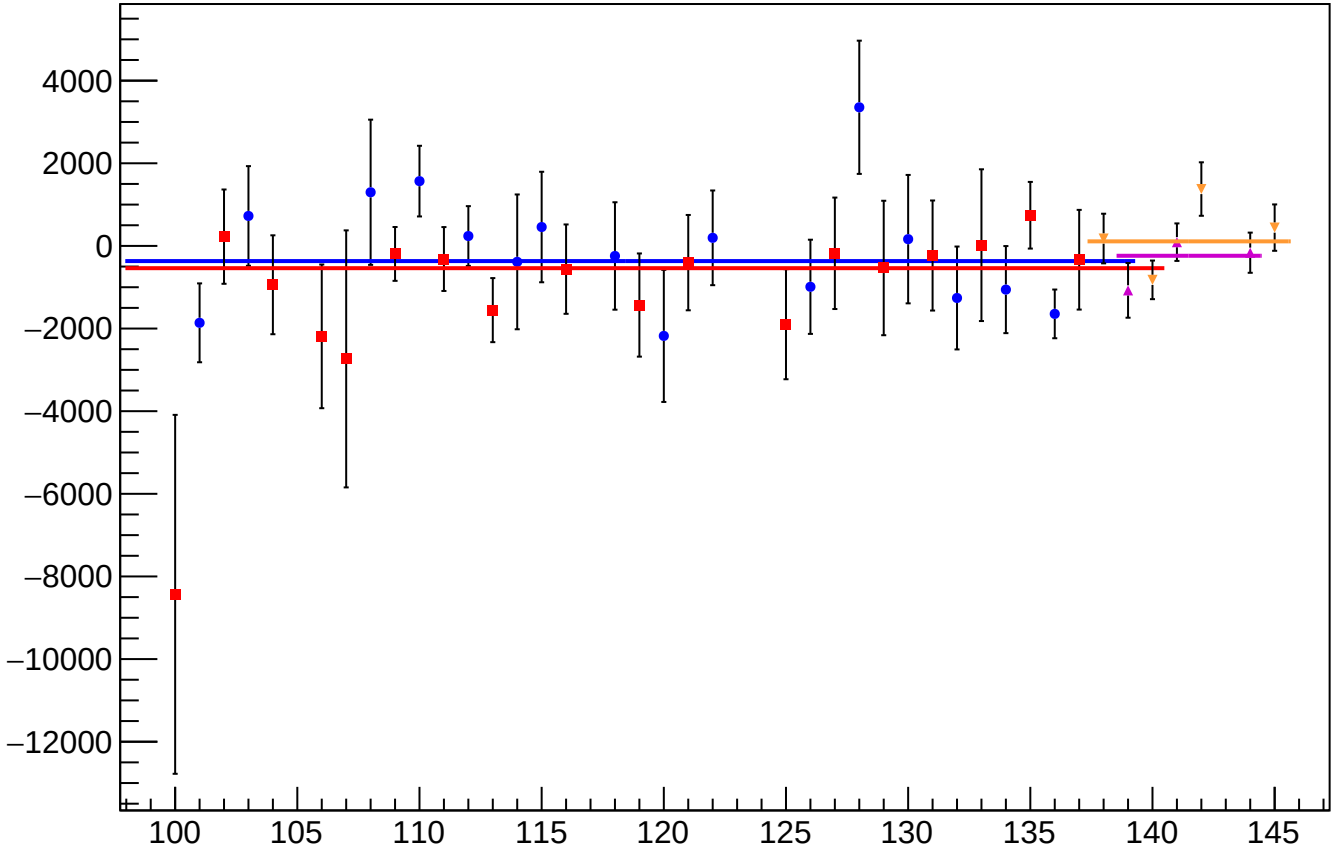
Left In: 785.589+/-0.342 χ^2/NDF:224.4/2

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

All: 781.395+/-0.123 χ^2/NDF: 20803.3/40

- sign 782.773+/-0.175 χ^2/NDF: 7942.3/20

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

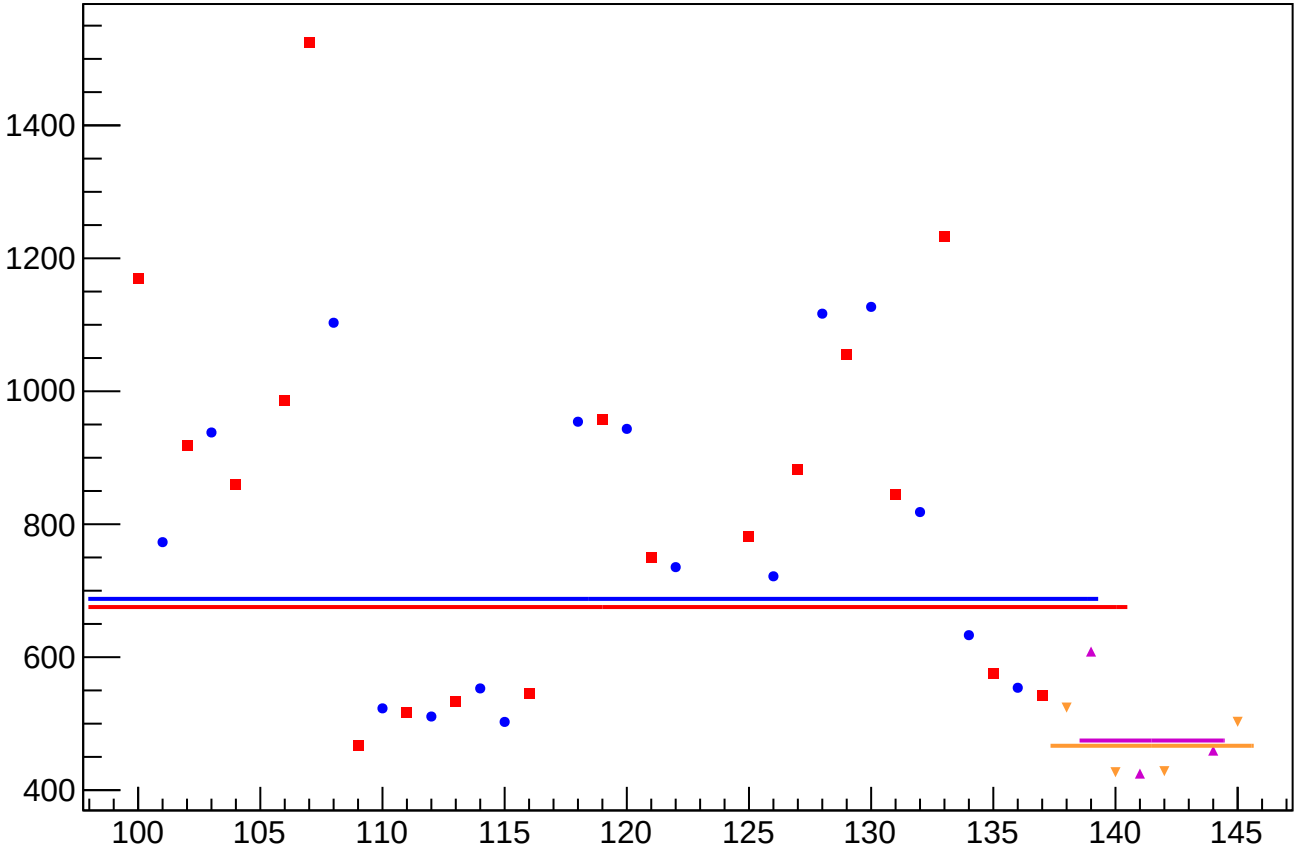
Left In: -238.580+/-296.586 χ^2/NDF:2.2/2

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

All: -269.747+/-137.611 χ^2/NDF: 48.3/40

- sign -406.745+/-196.738 χ^2/NDF: 14.4/20

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

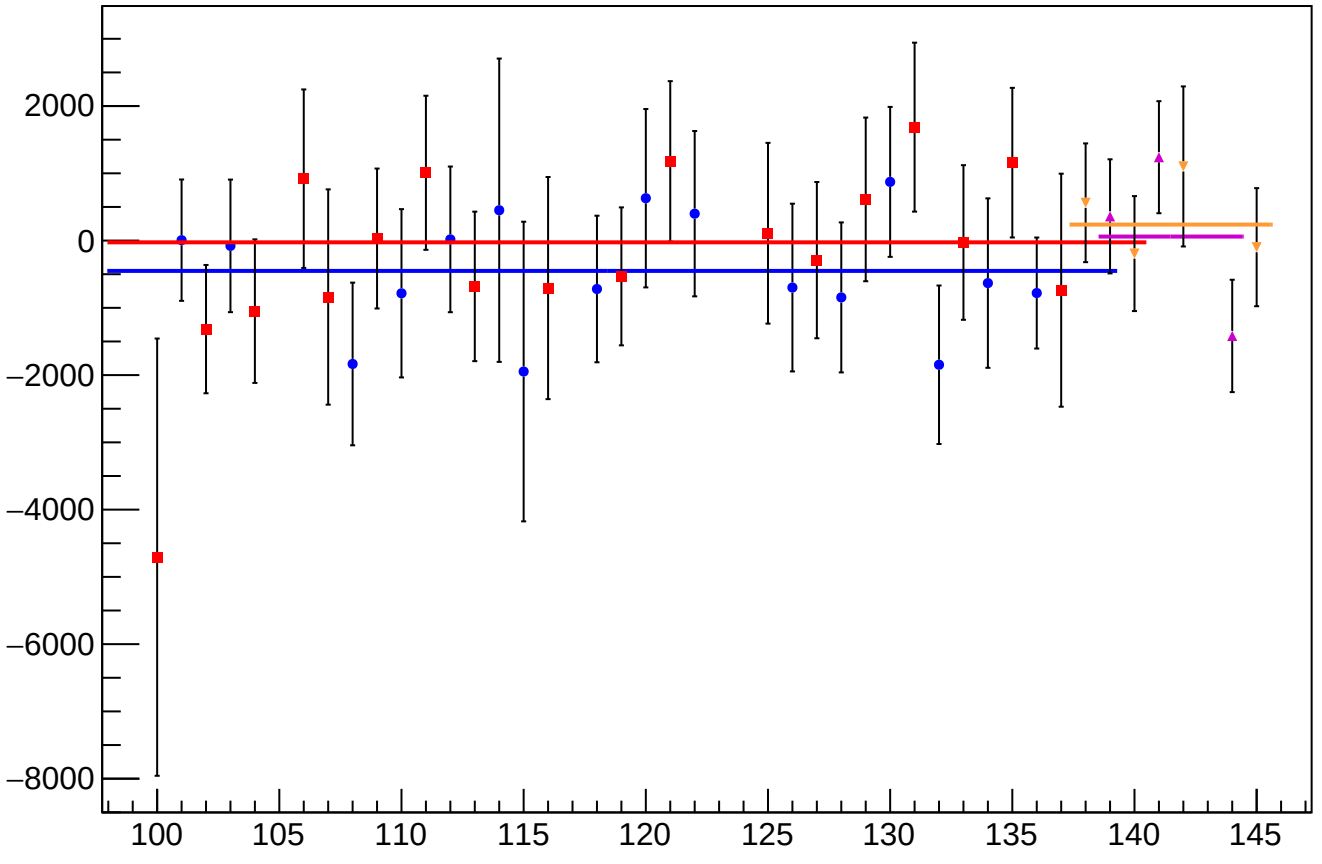
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 474.644+/-0.210 χ^2/NDF:107769.9/2

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

All: 584.442+/-0.097 χ^2/NDF: 3671903.9/40

- sign 587.068+/-0.139 χ^2/NDF: 1933963.5/20



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

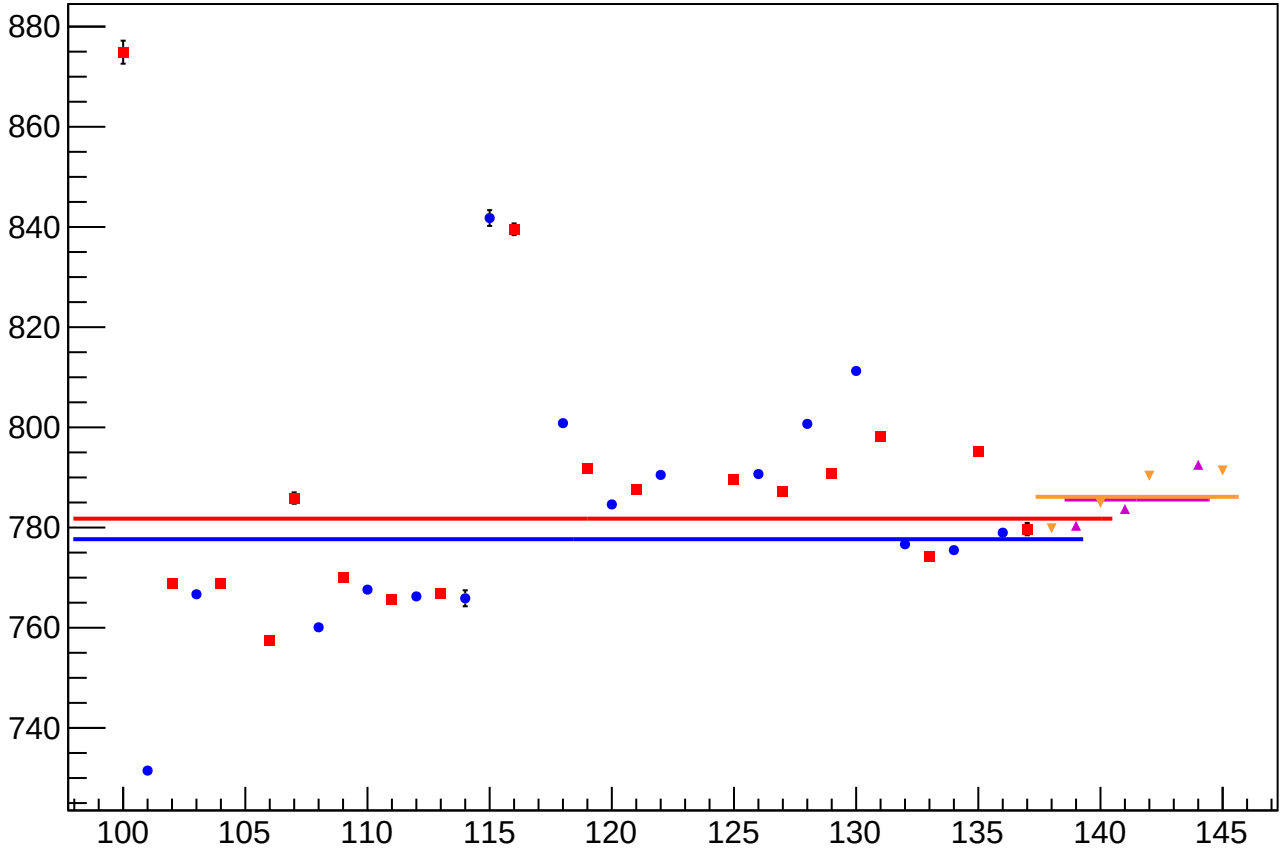
Left In: 59.758+/-484.229 χ^2/NDF:5.3/2

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

All: -132.130+/-174.216 χ^2/NDF: 27.1/40

- sign -3.655+/-247.579 χ^2/NDF: 17.0/20

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

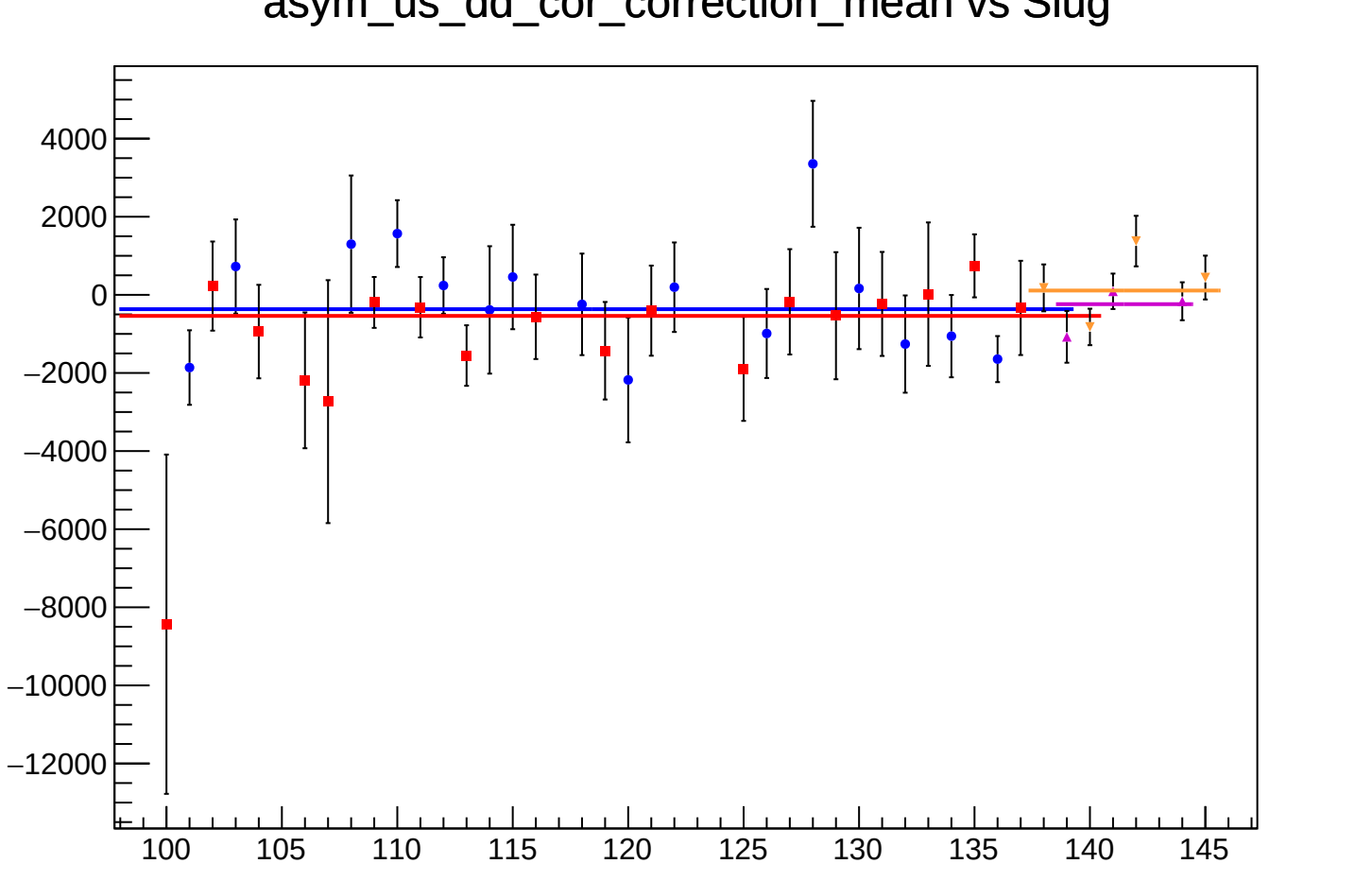
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 785.589+/-0.342 χ^2/NDF:224.4/2

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

All: 781.395+/-0.123 χ^2/NDF: 20803.3/40

- sign 782.773+/-0.175 χ^2/NDF: 7942.3/20



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

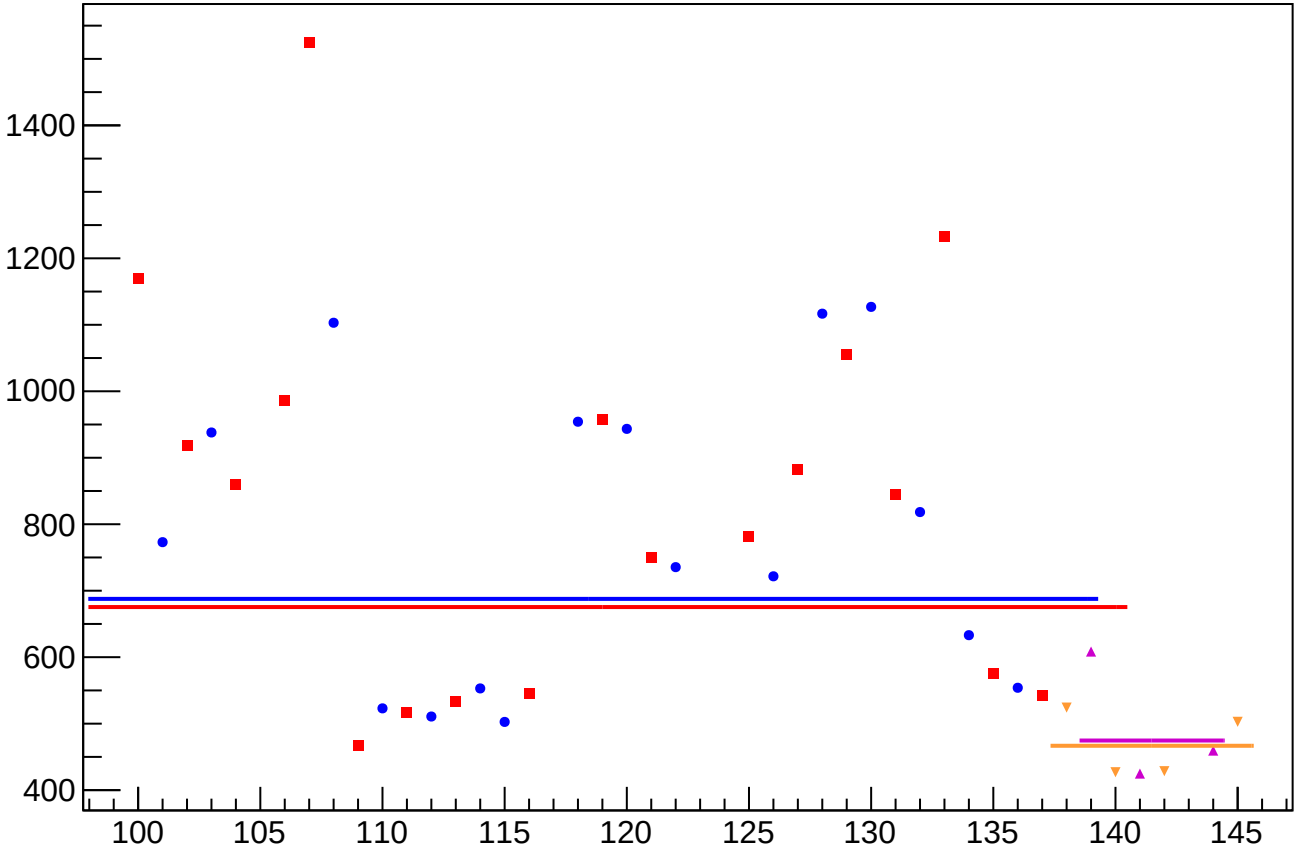
Left In: -238.580+/-296.586 χ^2/NDF:2.2/2

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

All: -269.747+/-137.611 χ^2/NDF: 48.3/40

- sign -406.745+/-196.738 χ^2/NDF: 14.4/20

asym_us_dd_cor_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

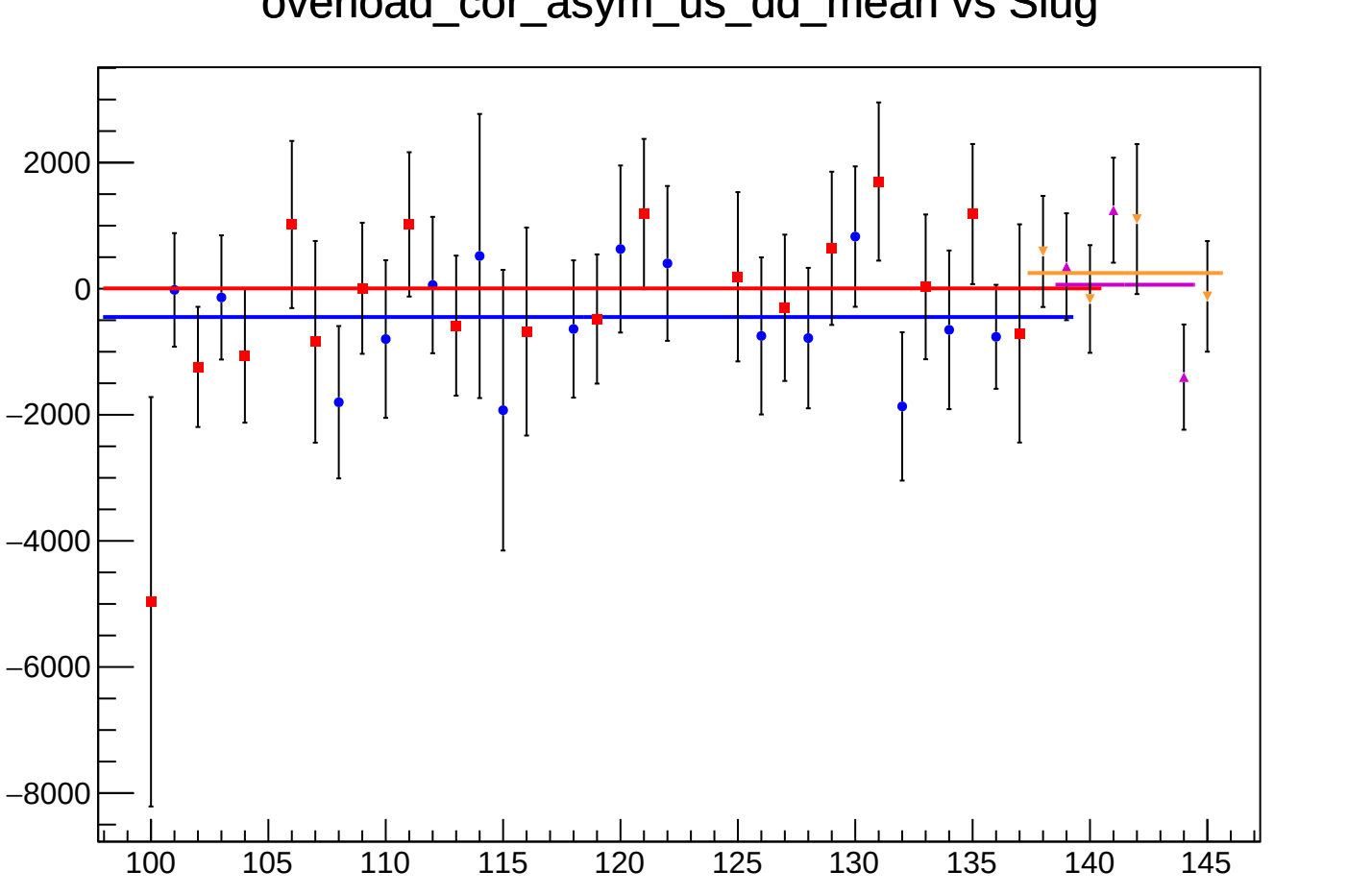
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 474.644+/-0.210 χ^2/NDF:107769.9/2

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

All: 584.442+/-0.097 χ^2/NDF: 3671903.9/40

- sign 587.068+/-0.139 χ^2/NDF: 1933963.5/20


overload_cor_asym_us_dd_mean vs Slug
2000
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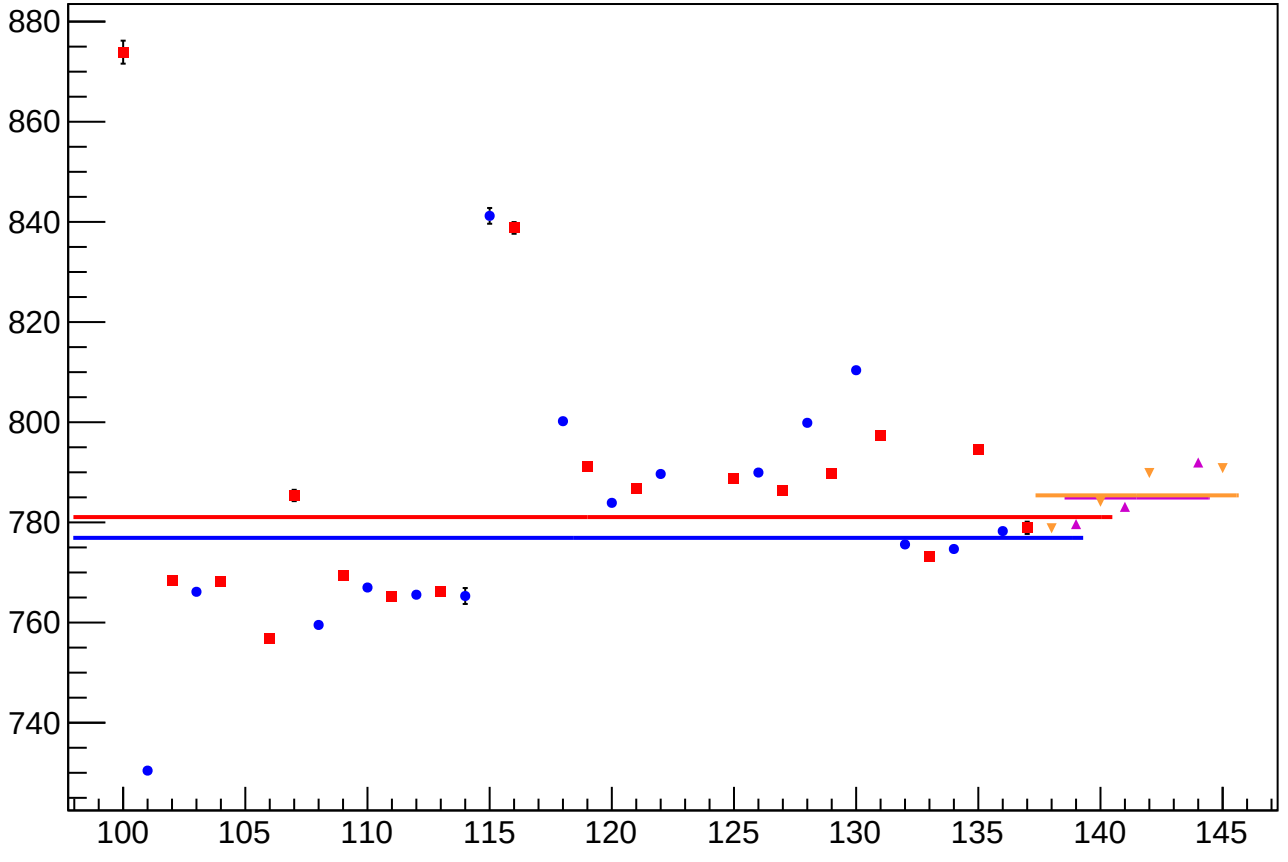
Right In: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: 248.439+/-463.006 χ²/NDF:1.1/3
Right Out: 4.645+/-287.815 χ²/NDF: 11.8/17
Left In: 62.935+/-483.843 χ²/NDF:5.2/2
+ sign -254.092+/-244.959 χ²/NDF: 9.5/19
All: -118.442+/-174.055 χ²/NDF: 27.2/40
- sign 19.880+/-247.360 χ²/NDF: 17.1/20

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

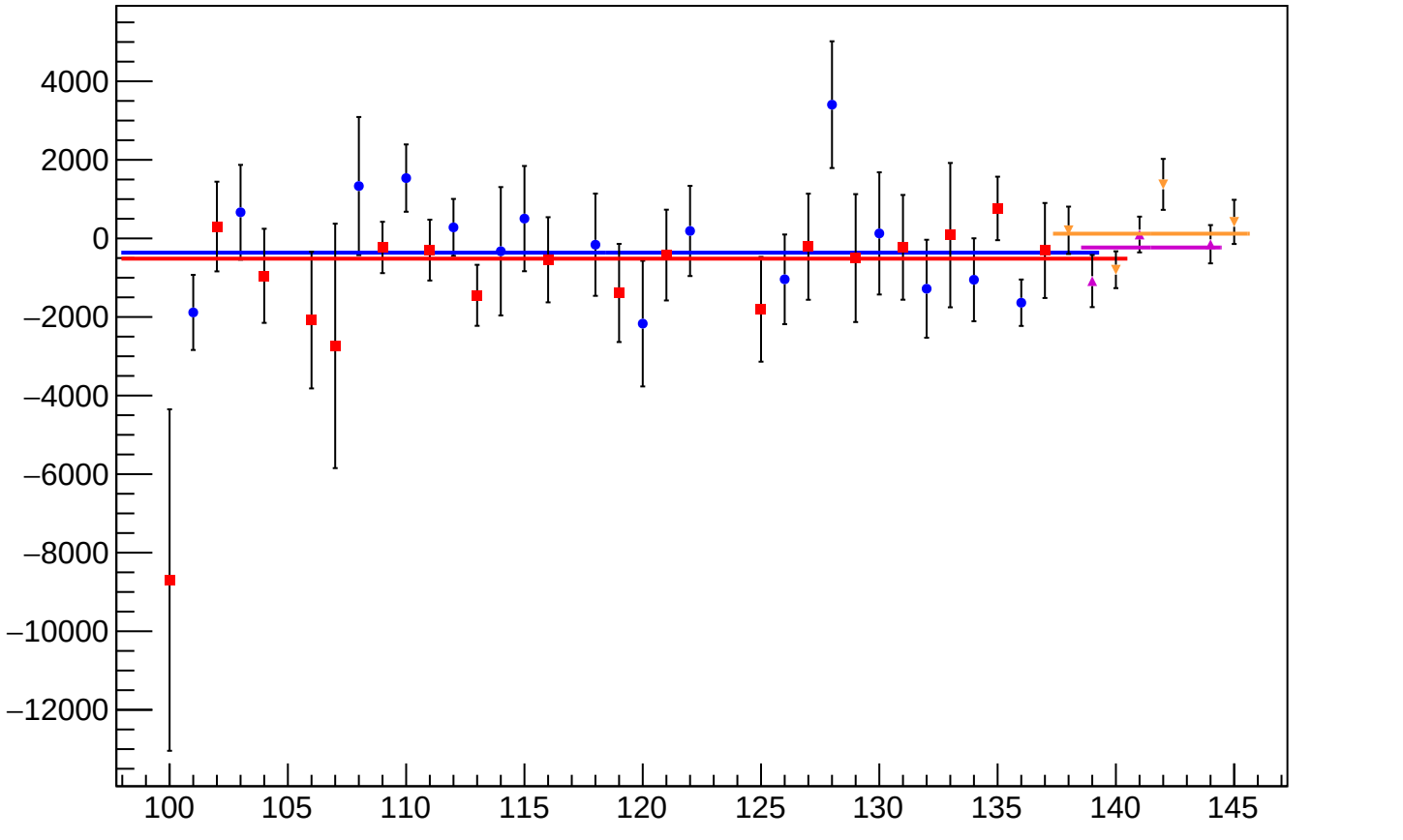
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 784.961+/-0.342 χ^2/NDF:228.8/2

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

All: 780.670+/-0.123 χ^2/NDF: 20867.1/40

\- sign 782.080+/-0.175 χ^2/NDF: 7910.6/20



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

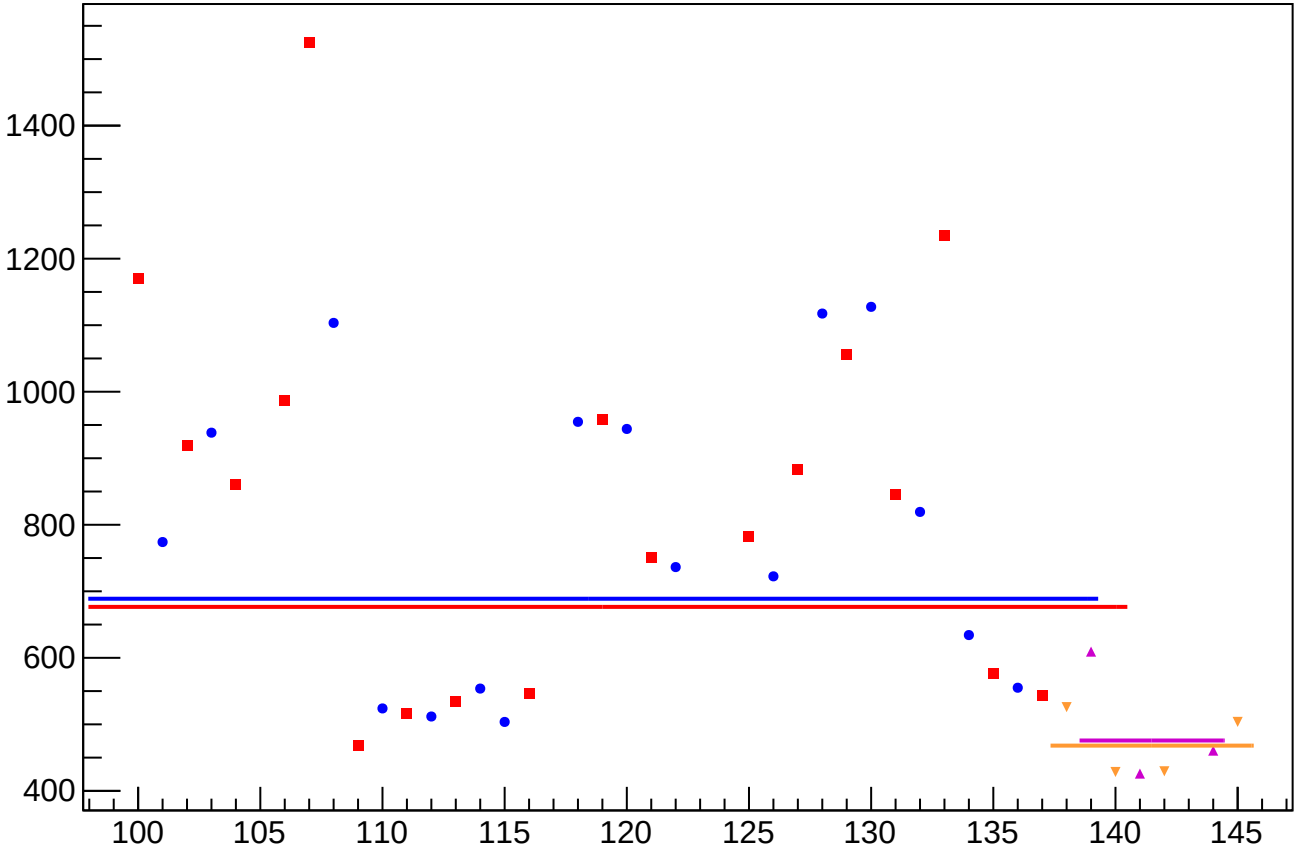
Left In: -231.170+/-297.244 χ^2/NDF:2.2/2

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

All: -258.345+/-137.877 χ^2/NDF: 47.8/40

- sign -390.374+/-197.095 χ^2/NDF: 14.1/20

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

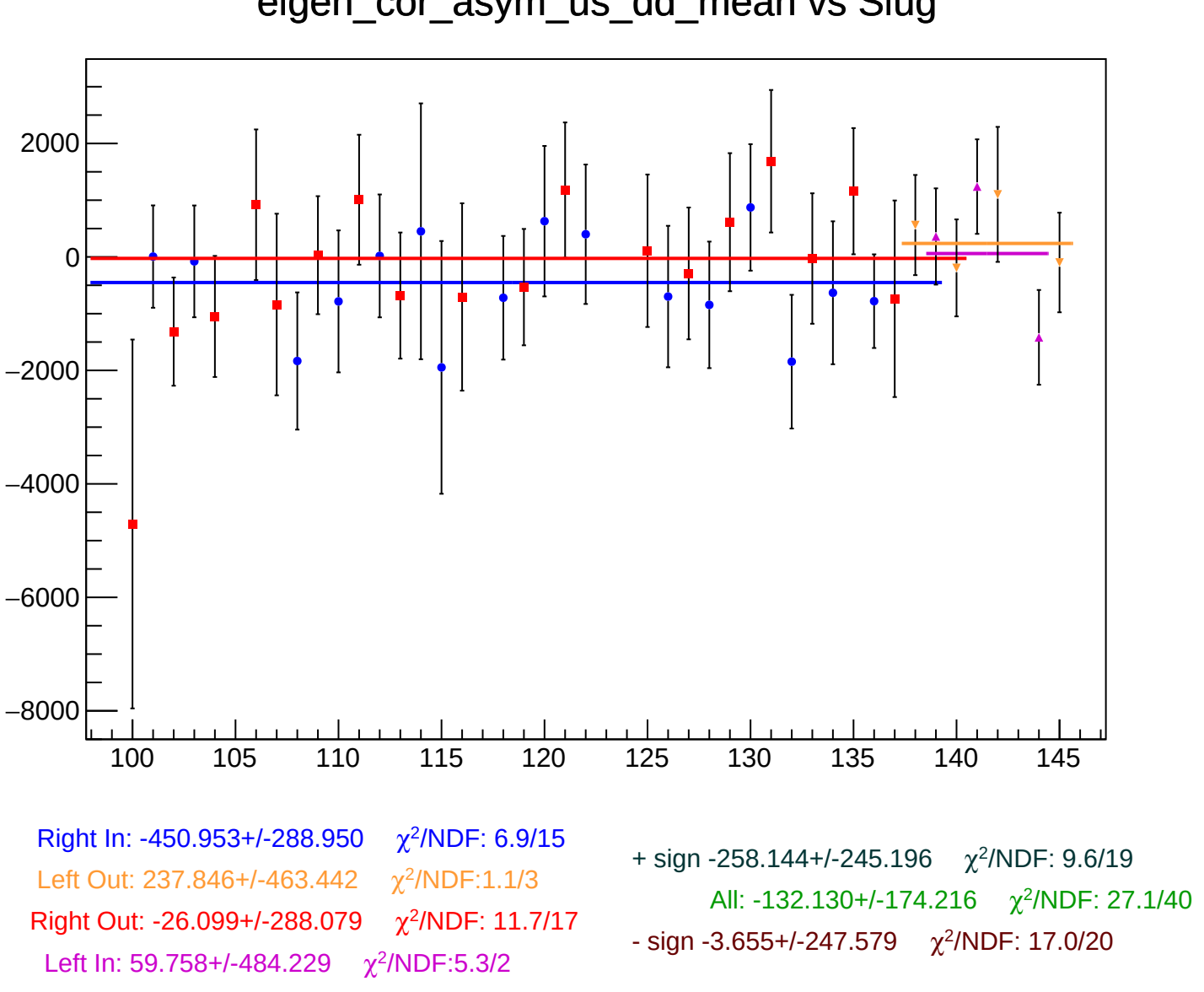
Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

Left In: 475.736+/-0.210 χ^2/NDF:107155.8/2

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

All: 585.714+/-0.097 χ^2/NDF: 3656889.0/40

\- sign 588.271+/-0.139 χ^2/NDF: 1926792.8/20


eigen_cor_asym_us_dd_mean vs Slug
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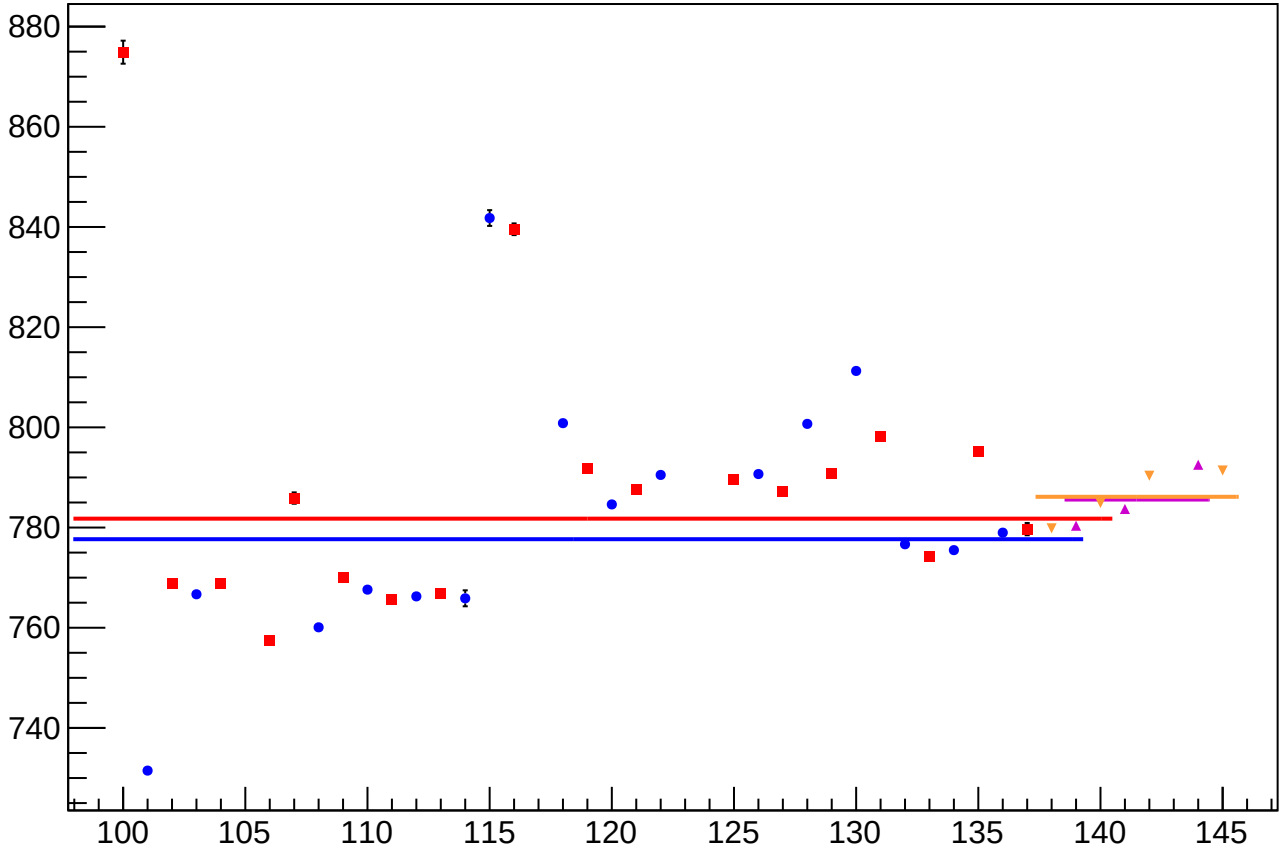
Right In: -450.953+/-288.950 χ²/NDF: 6.9/15
Left Out: 237.846+/-463.442 χ²/NDF:1.1/3
Right Out: -26.099+/-288.079 χ²/NDF: 11.7/17
Left In: 59.758+/-484.229 χ²/NDF:5.3/2
+ sign -258.144+/-245.196 χ²/NDF: 9.6/19
All: -132.130+/-174.216 χ²/NDF: 27.1/40
- sign -3.655+/-247.579 χ²/NDF: 17.0/20

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

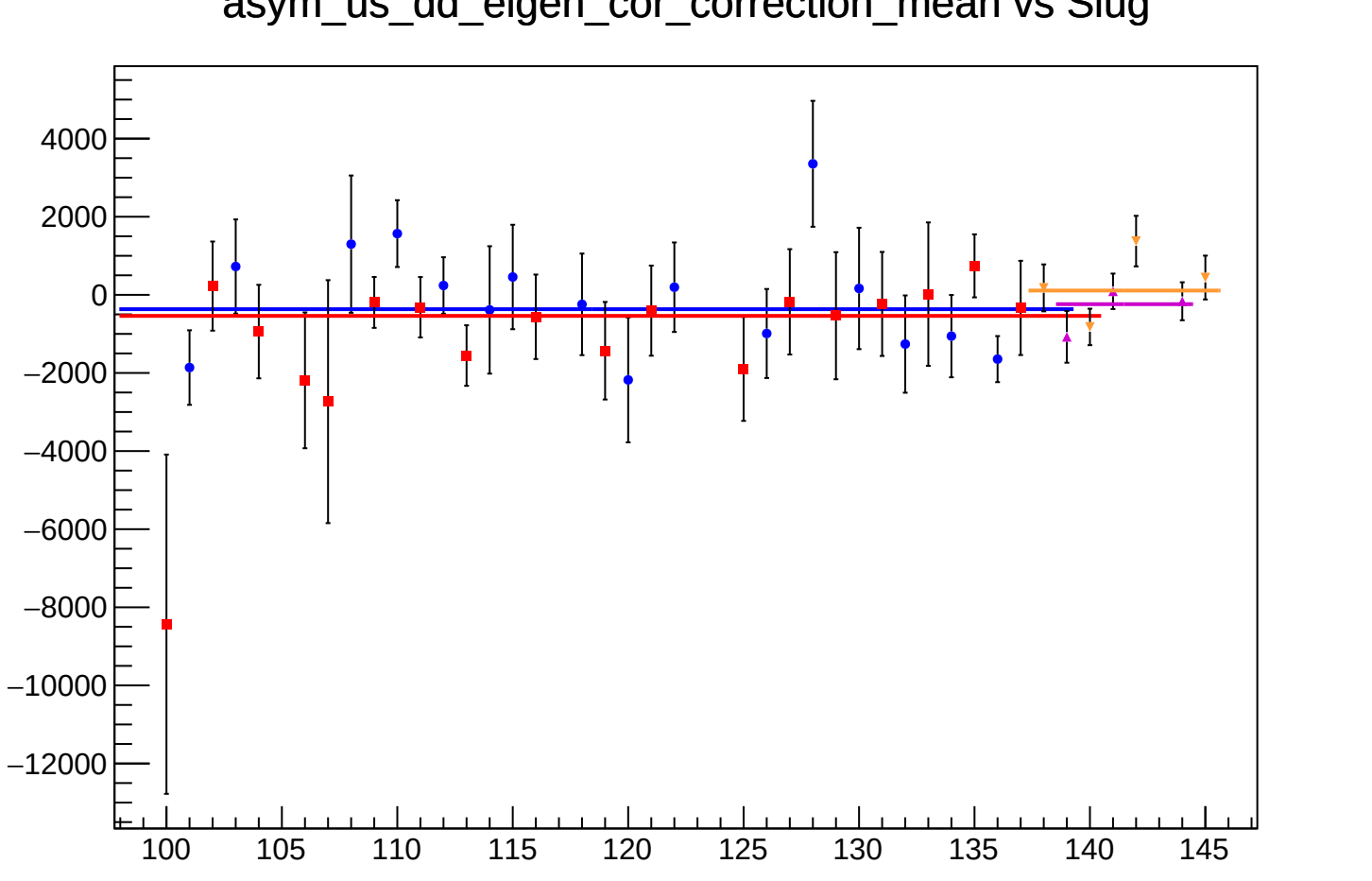
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 785.589+/-0.342 χ^2/NDF:224.4/2

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

All: 781.395+/-0.123 χ^2/NDF: 20803.3/40

- sign 782.773+/-0.175 χ^2/NDF: 7942.3/20



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

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

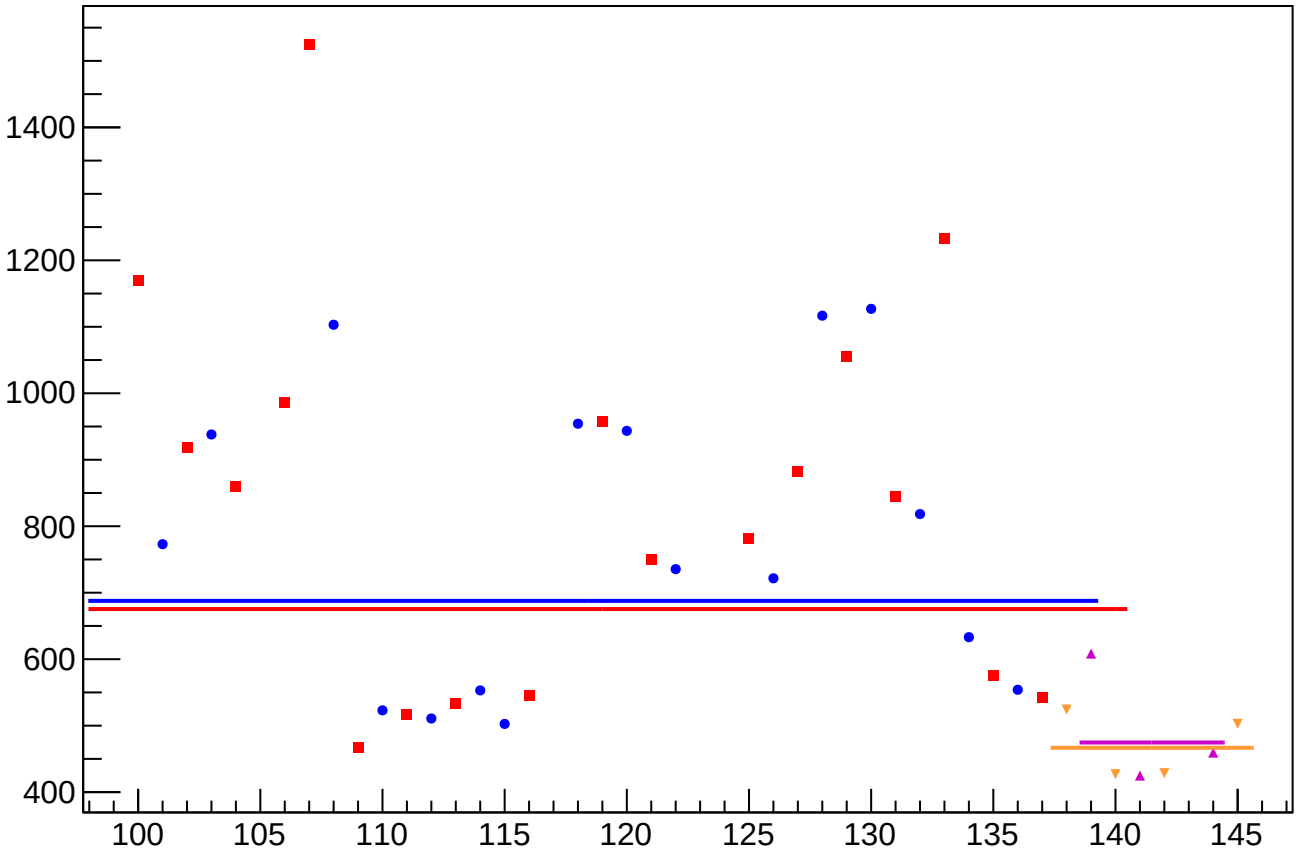
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -238.580+/-296.586 χ^2/NDF:2.2/2

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

All: -269.747+/-137.611 χ^2/NDF: 48.3/40

- sign -406.745+/-196.738 χ^2/NDF: 14.4/20



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

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

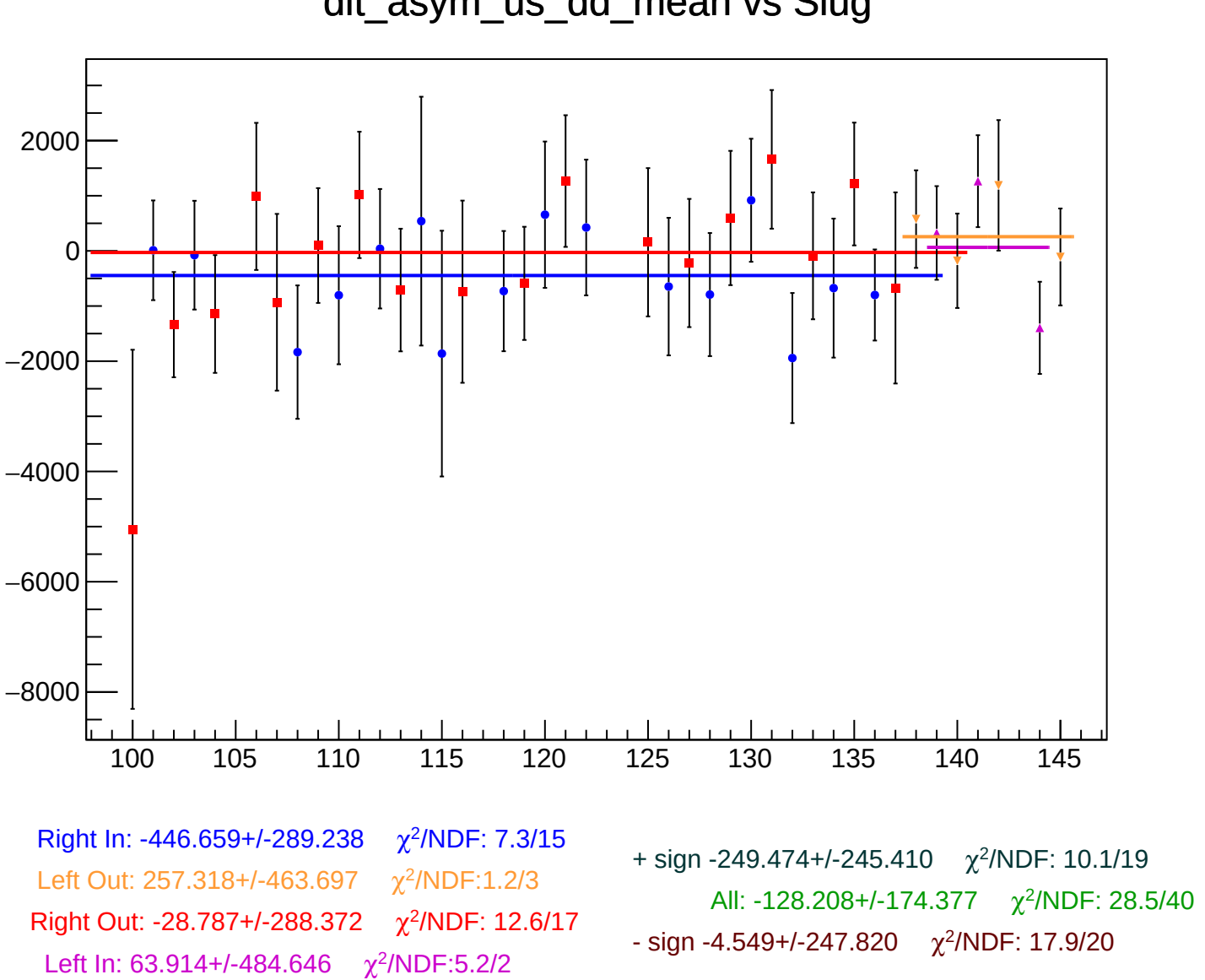
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 474.644+/-0.210 χ^2/NDF:107769.9/2

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

All: 584.442+/-0.097 χ^2/NDF: 3671903.9/40

- sign 587.068+/-0.139 χ^2/NDF: 1933963.5/20


dit_asym_us_dd_mean vs Slug
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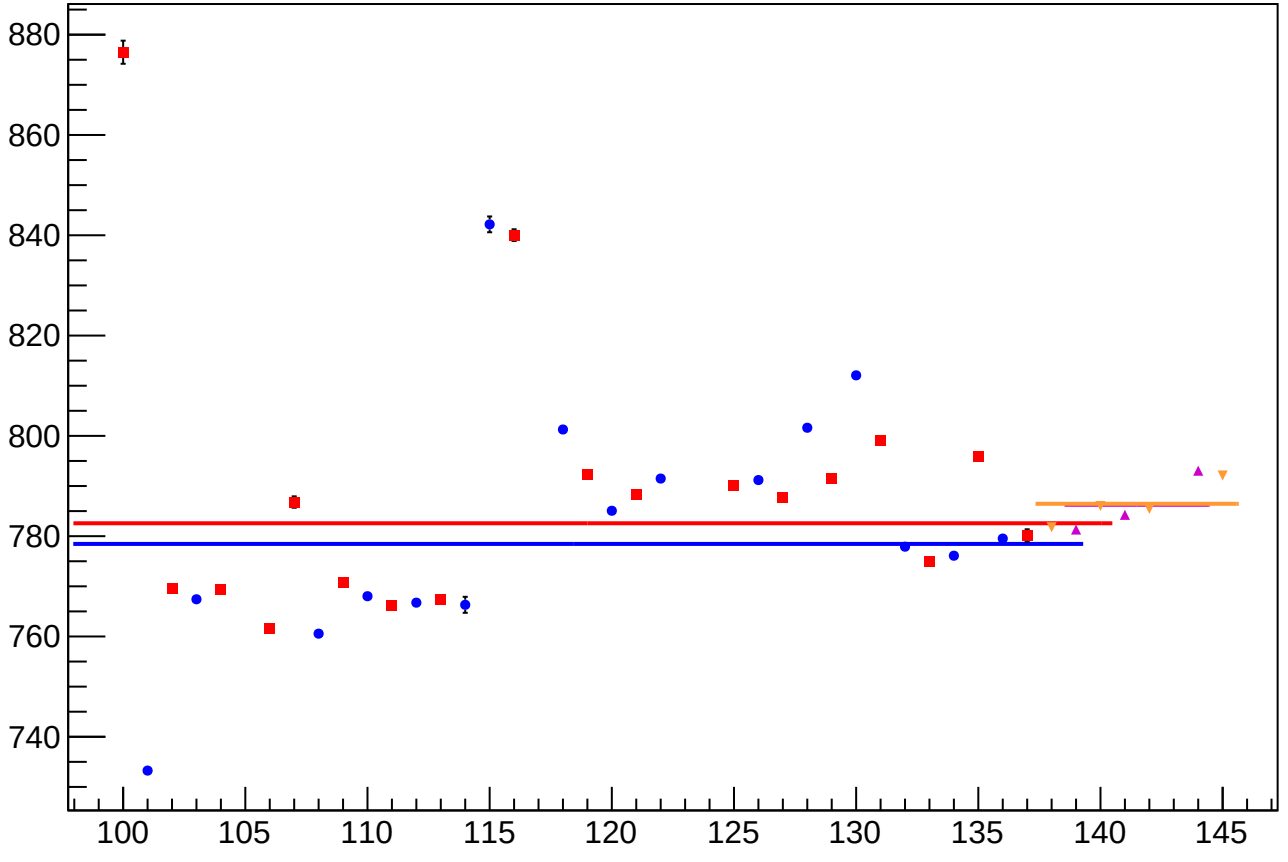
Right In: -446.659+/-289.238 χ²/NDF: 7.3/15
Left Out: 257.318+/-463.697 χ²/NDF:1.2/3
Right Out: -28.787+/-288.372 χ²/NDF: 12.6/17
Left In: 63.914+/-484.646 χ²/NDF:5.2/2
+ sign -249.474+/-245.410 χ²/NDF: 10.1/19
All: -128.208+/-174.377 χ²/NDF: 28.5/40
- sign -4.549+/-247.820 χ²/NDF: 17.9/20

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

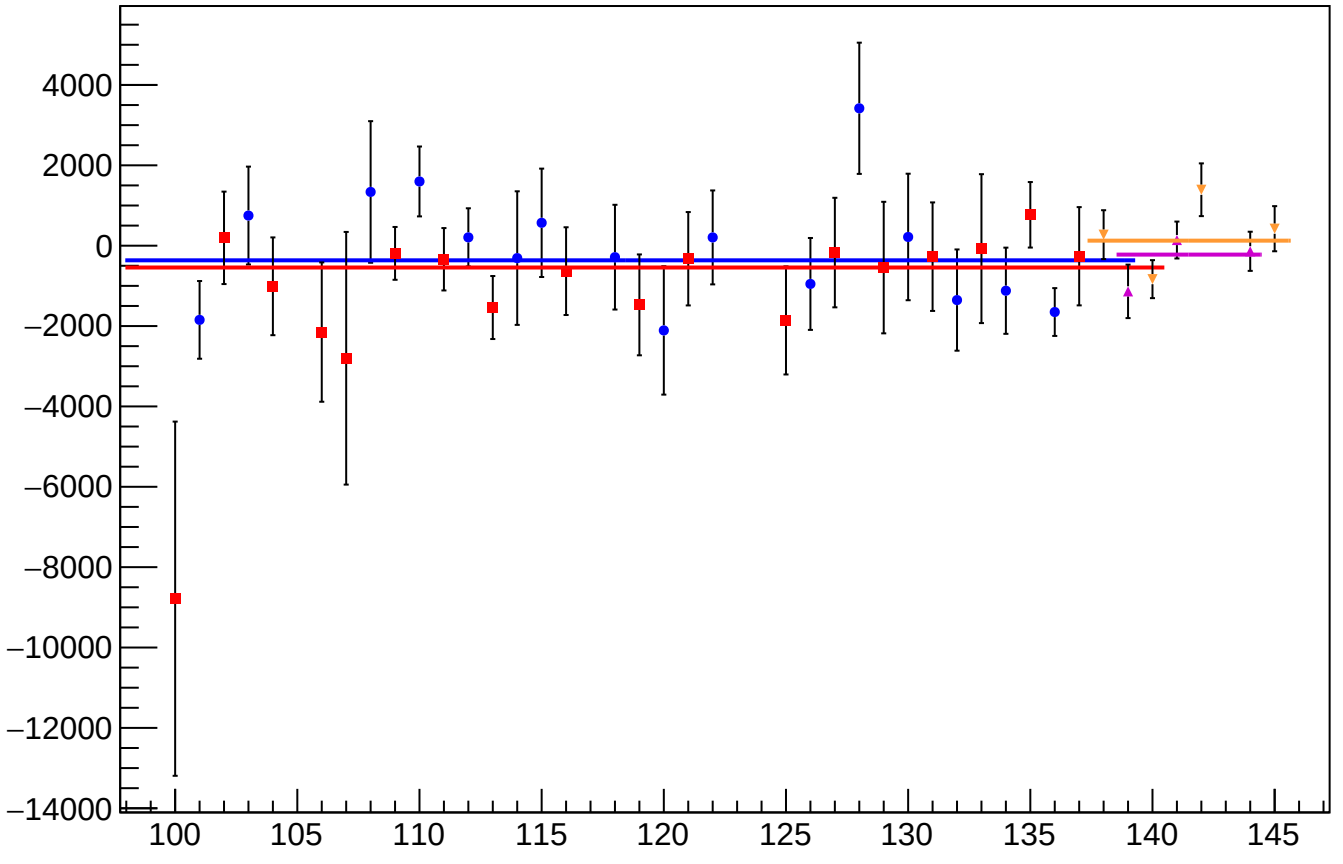
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 786.264+/-0.343 χ^2/NDF:211.4/2

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

All: 782.104+/-0.123 χ^2/NDF: 20275.6/40

- sign 783.540+/-0.175 χ^2/NDF: 7778.4/20



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

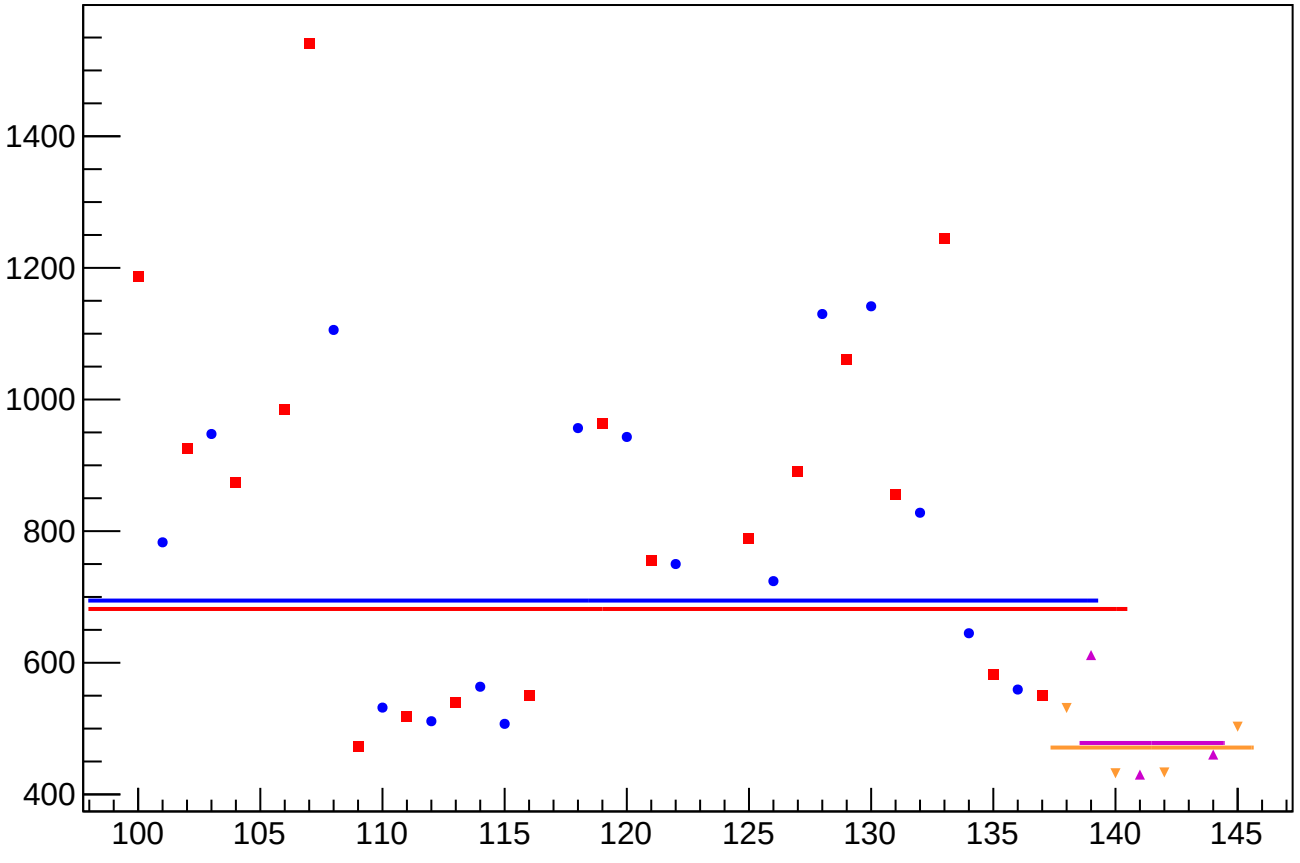
Left In: -221.927+/-298.609 χ^2/NDF:2.5/2

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

All: -262.758+/-138.832 χ^2/NDF: 49.0/40

- sign -401.311+/-198.319 χ^2/NDF: 15.0/20

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

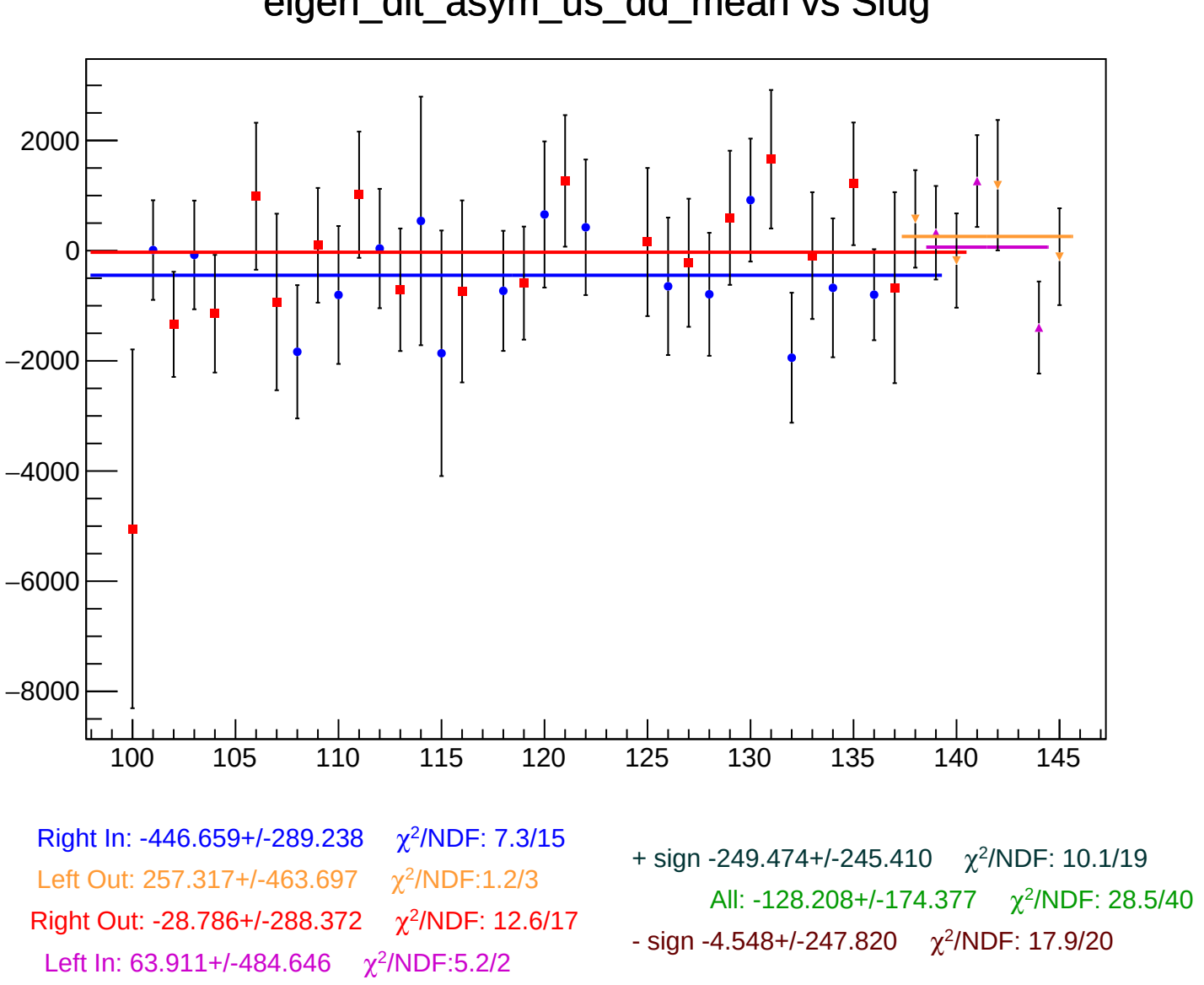
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 478.151+/-0.211 χ^2/NDF:105155.2/2

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

All: 589.714+/-0.098 χ^2/NDF: 3671310.2/40

- sign 591.942+/-0.140 χ^2/NDF: 1936104.1/20


eigen_dit_asym_us_dd_mean vs Slug
2000
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−8000
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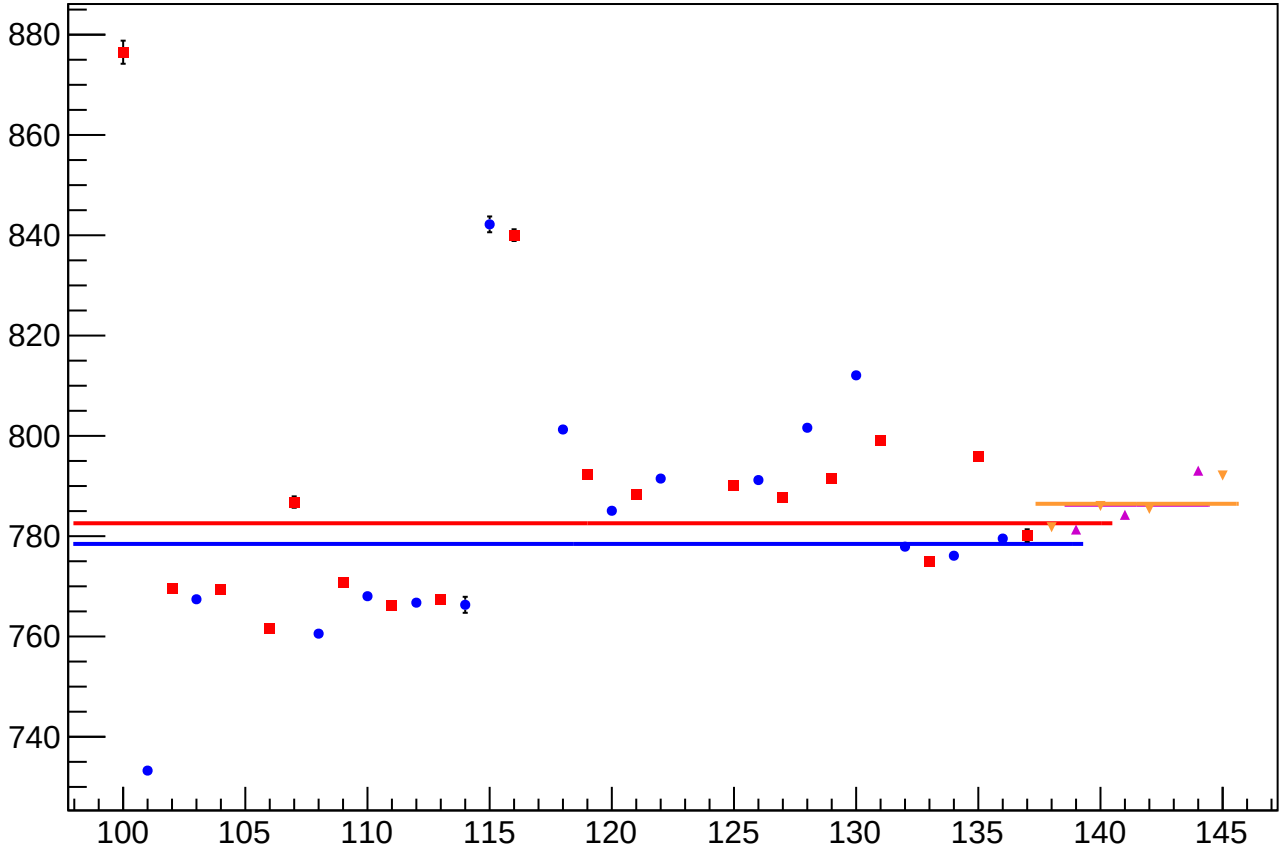
Right In: -446.659+/-289.238 χ²/NDF: 7.3/15
Left Out: 257.317+/-463.697 χ²/NDF:1.2/3
Right Out: -28.786+/-288.372 χ²/NDF: 12.6/17
Left In: 63.911+/-484.646 χ²/NDF:5.2/2
+ sign -249.474+/-245.410 χ²/NDF: 10.1/19
All: -128.208+/-174.377 χ²/NDF: 28.5/40
- sign -4.548+/-247.820 χ²/NDF: 17.9/20

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

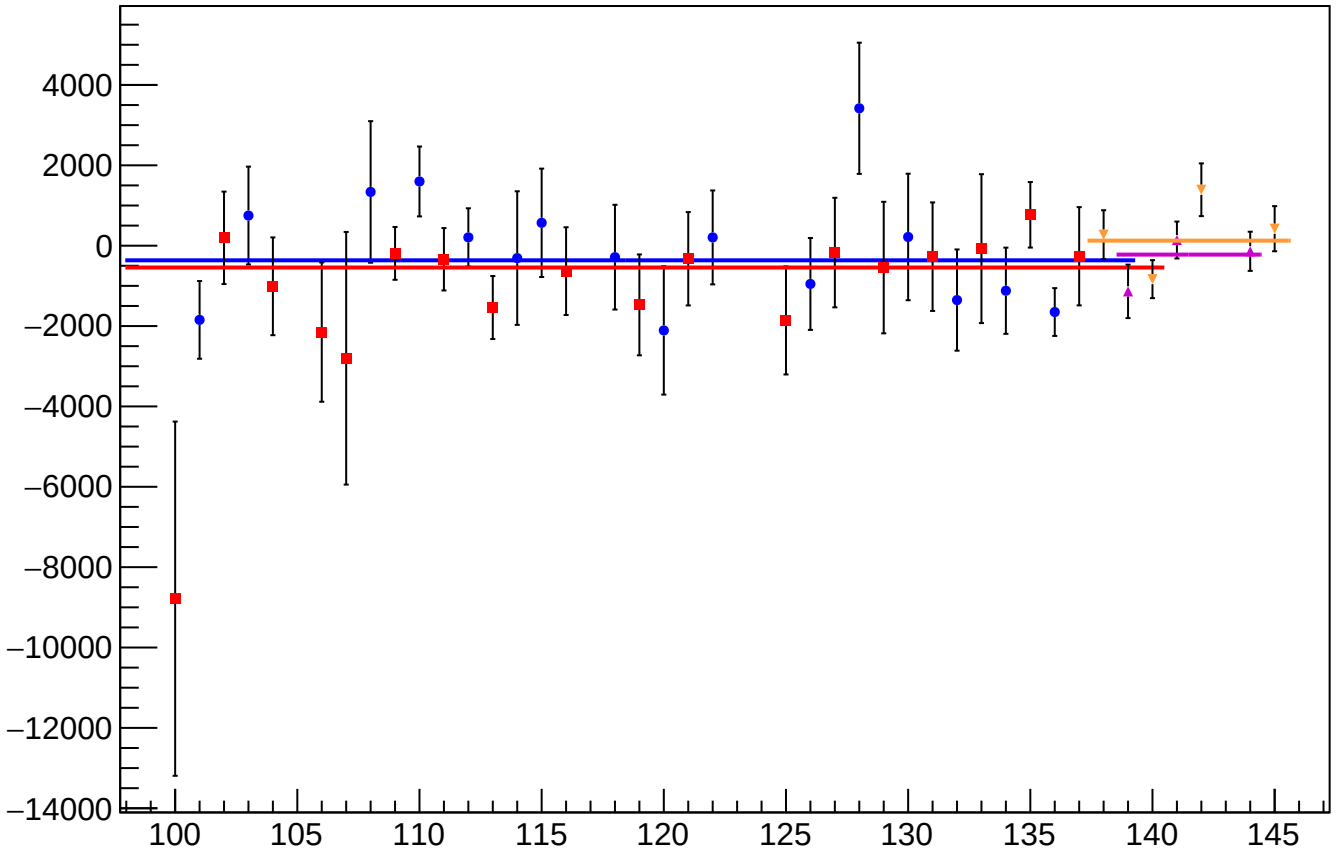
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 786.264+/-0.343 χ^2/NDF:211.4/2

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

All: 782.104+/-0.123 χ^2/NDF: 20275.5/40

- sign 783.540+/-0.175 χ^2/NDF: 7778.4/20



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

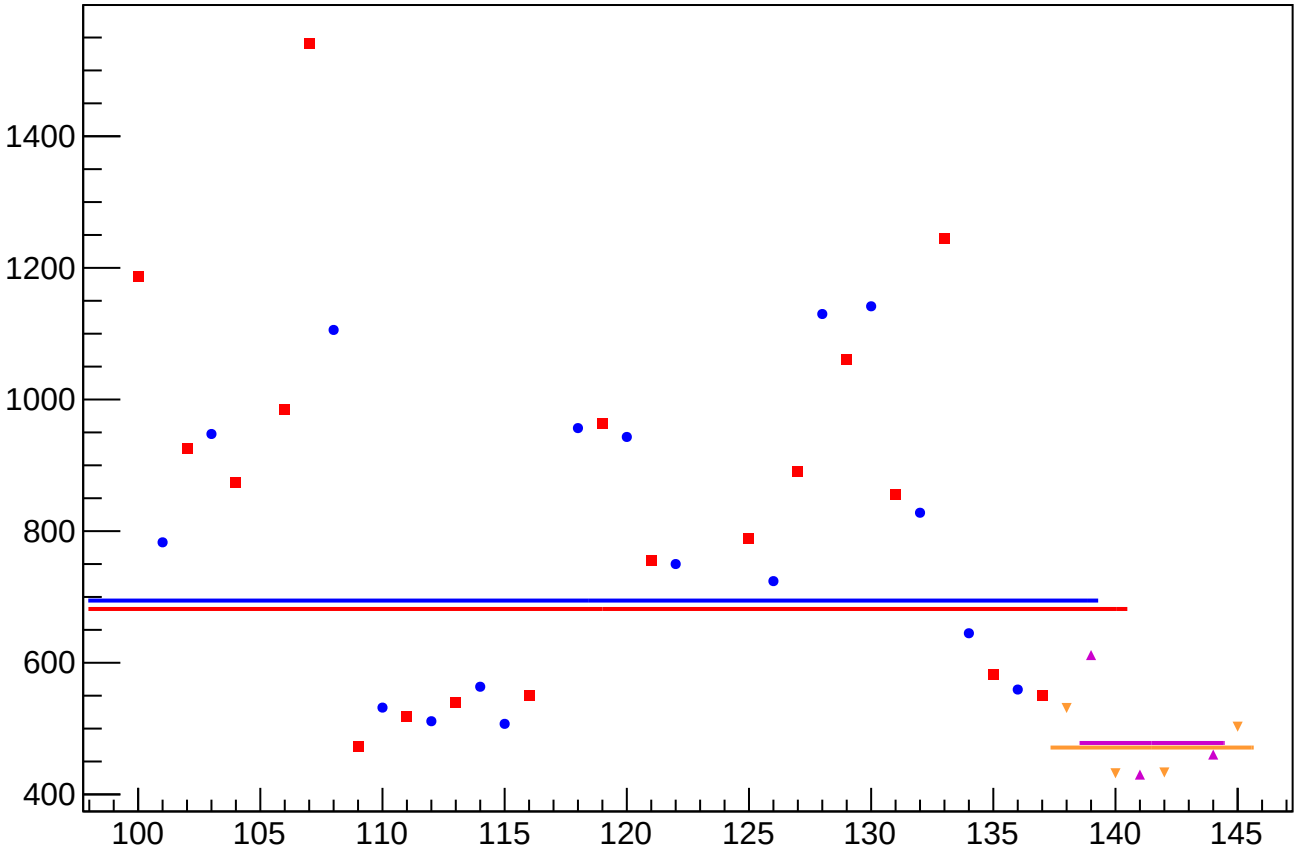
Left In: -221.924+/-298.609 χ^2/NDF:2.5/2

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

All: -262.757+/-138.832 χ^2/NDF: 49.0/40

- sign -401.310+/-198.319 χ^2/NDF: 15.0/20

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

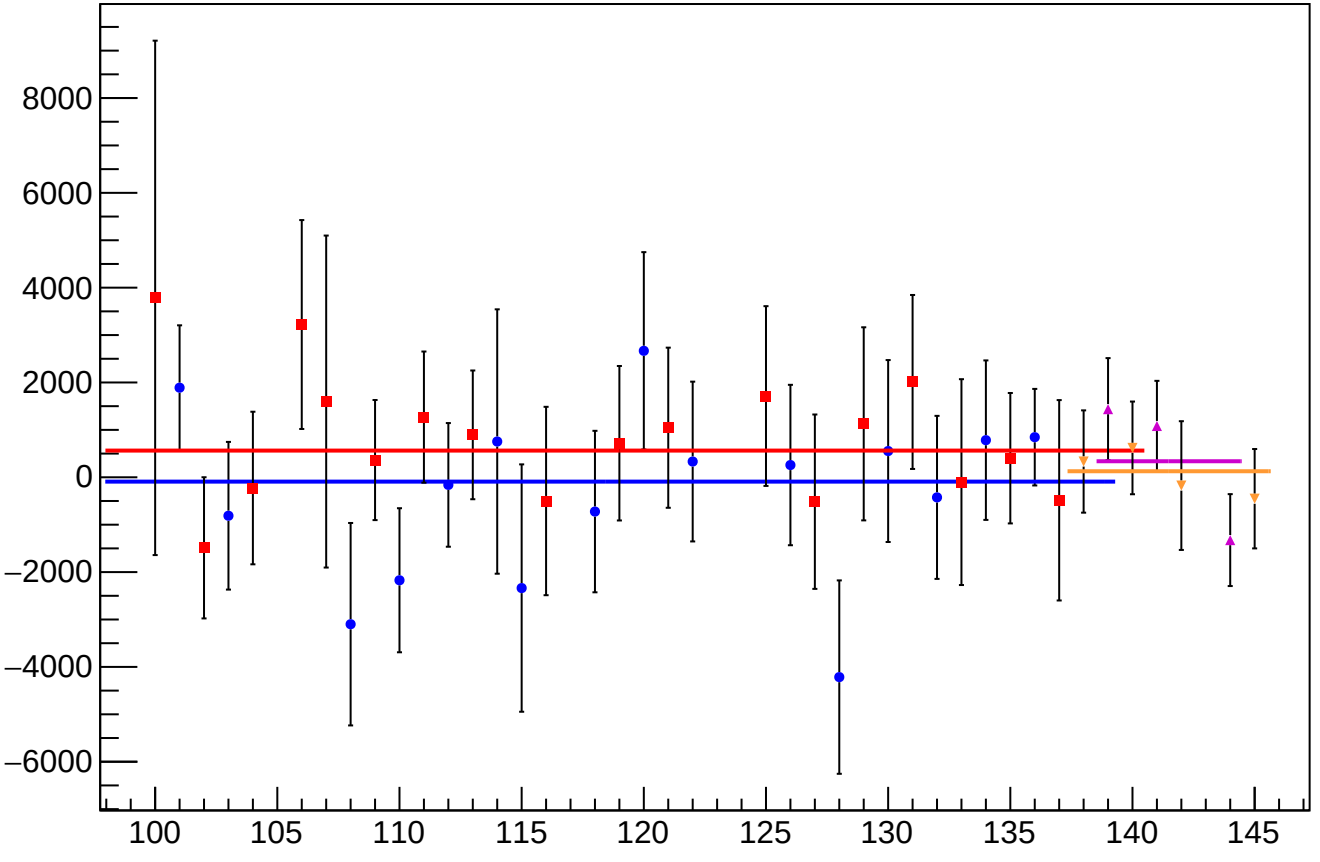
Left In: 478.151+/-0.211 χ^2/NDF:105162.0/2

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

All: 589.712+/-0.098 χ^2/NDF: 3671329.7/40

- sign 591.940+/-0.140 χ^2/NDF: 1936119.4/20

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

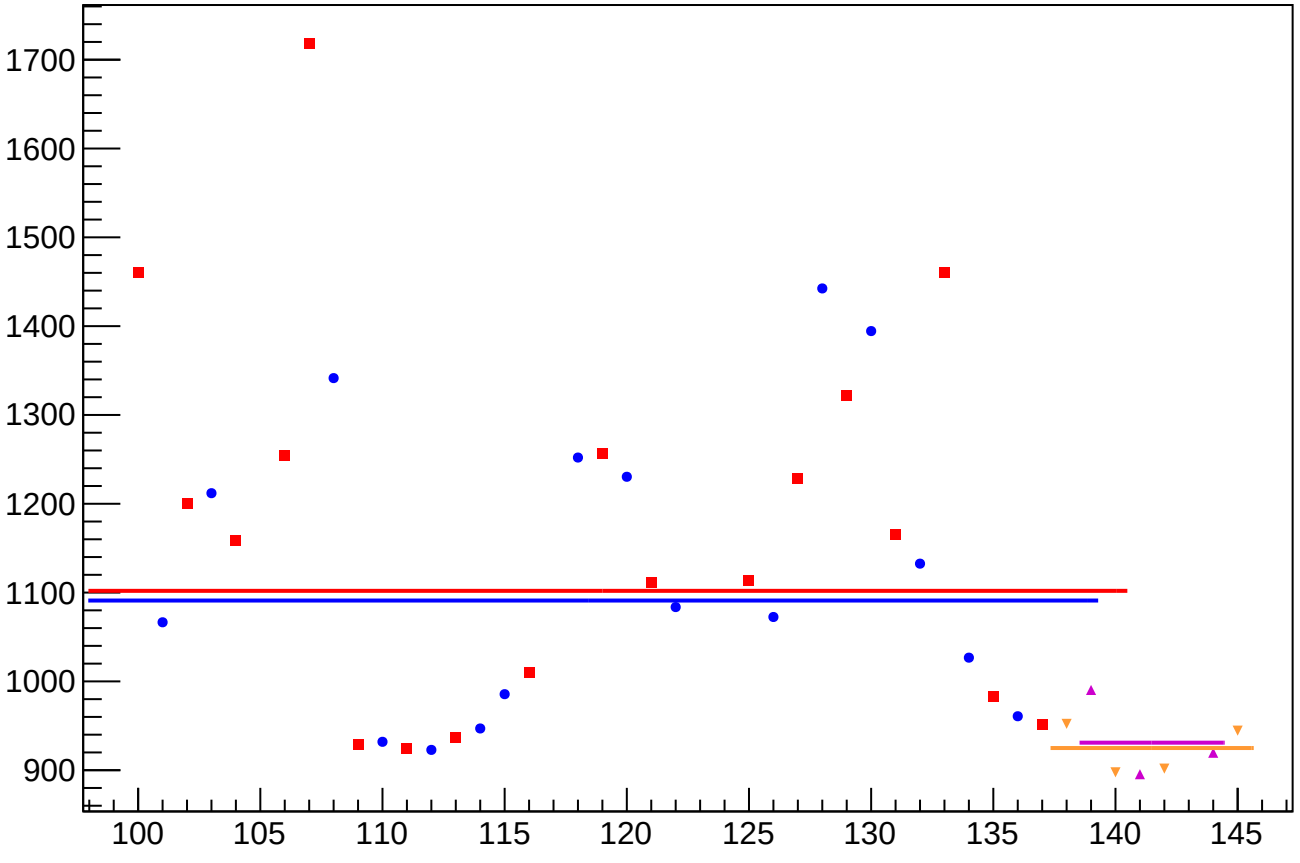
Left In: 338.168+/-574.464 χ^2/NDF:4.6/2

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

All: 232.157+/-234.137 χ^2/NDF: 27.6/40

- sign 486.934+/-334.564 χ^2/NDF: 11.2/20

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

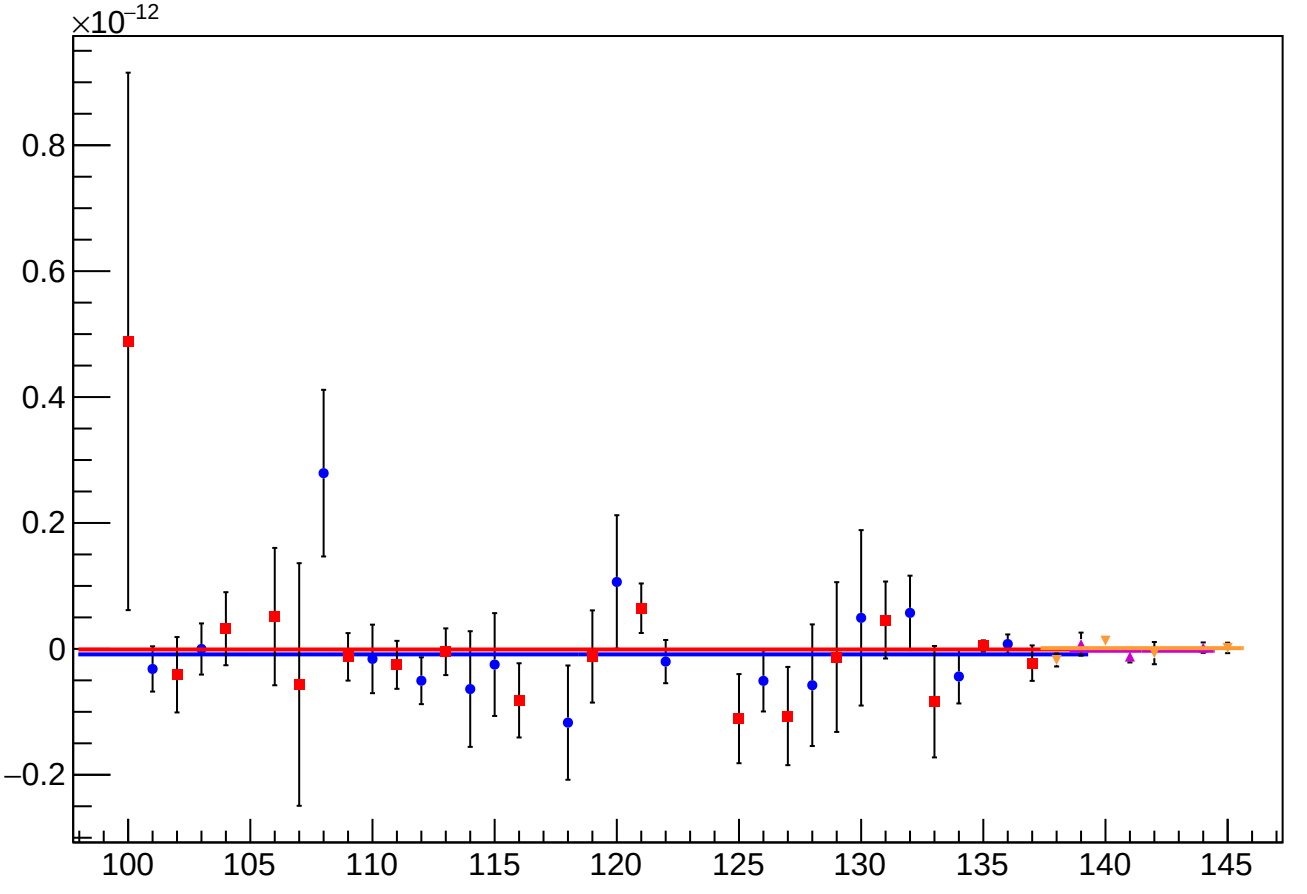
Left In: 931.003+/-0.406 χ^2/NDF:9138.7/2

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

All: 1037.420+/-0.166 χ^2/NDF: 855602.2/40

- sign 1043.970+/-0.237 χ^2/NDF: 454284.3/20

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

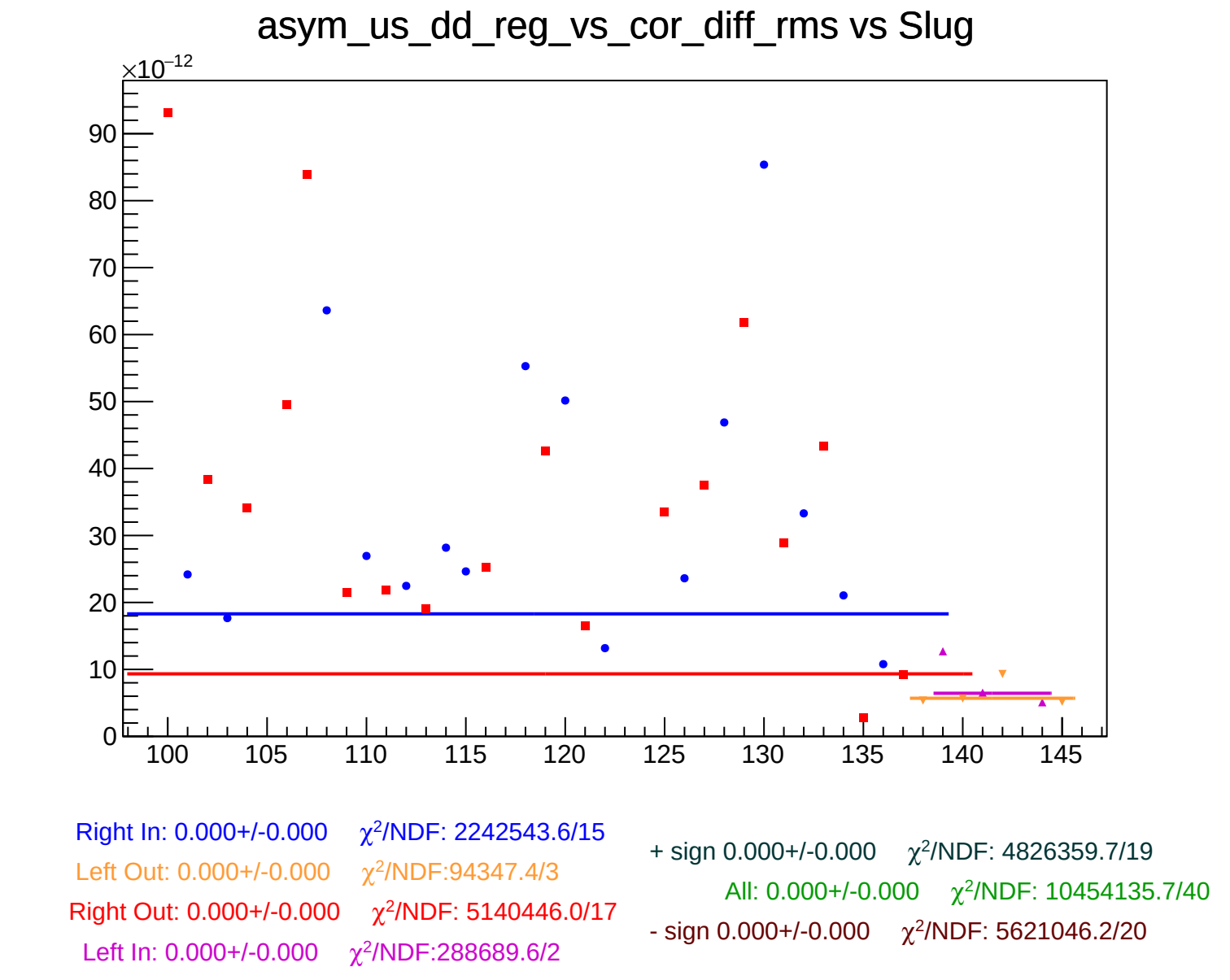
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:1.7/2

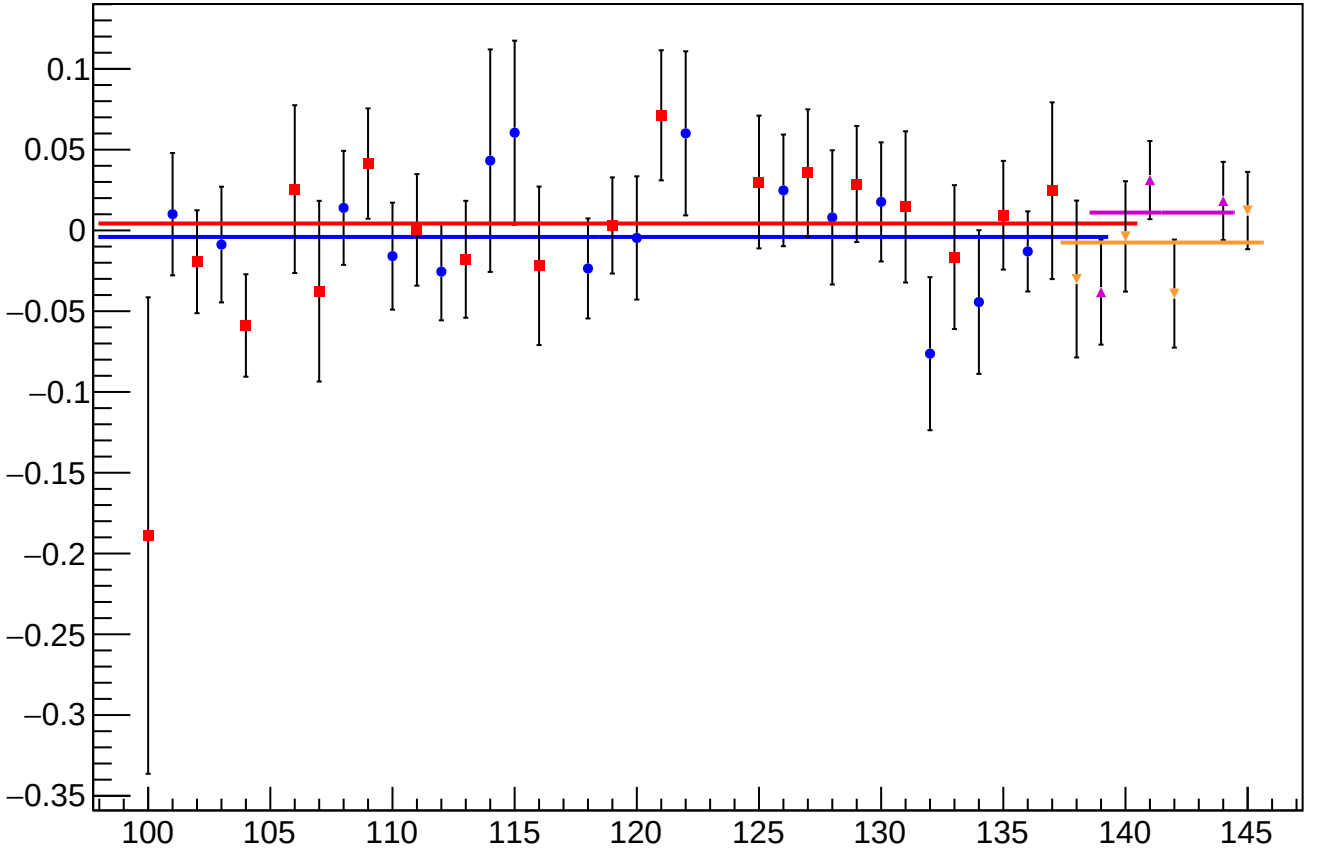
+ sign -0.000+/-0.000 χ^2/NDF: 20.5/19

All: -0.000+/-0.000 χ^2/NDF: 36.6/40

- sign -0.000+/-0.000 χ^2/NDF: 16.0/20


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:94347.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:288689.6/2
+ sign 0.000+/-0.000 χ²/NDF: 4826359.7/19
All: 0.000+/-0.000 χ²/NDF: 10454135.7/40
- sign 0.000+/-0.000 χ²/NDF: 5621046.2/20

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

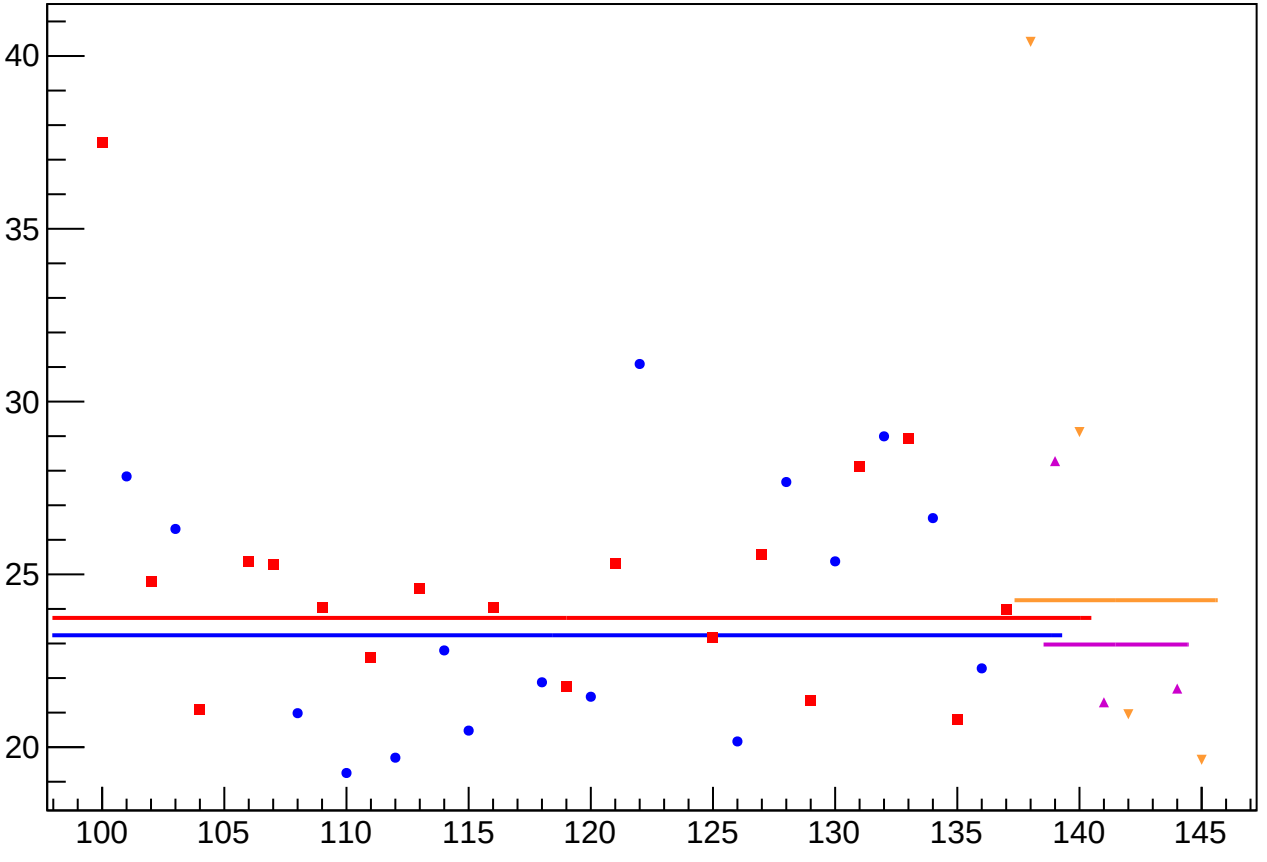
Left In: 0.011+/-0.015 χ^2/NDF:3.1/2

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

All: 0.001+/-0.006 χ^2/NDF: 28.7/40

- sign 0.006+/-0.008 χ^2/NDF: 16.7/20

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

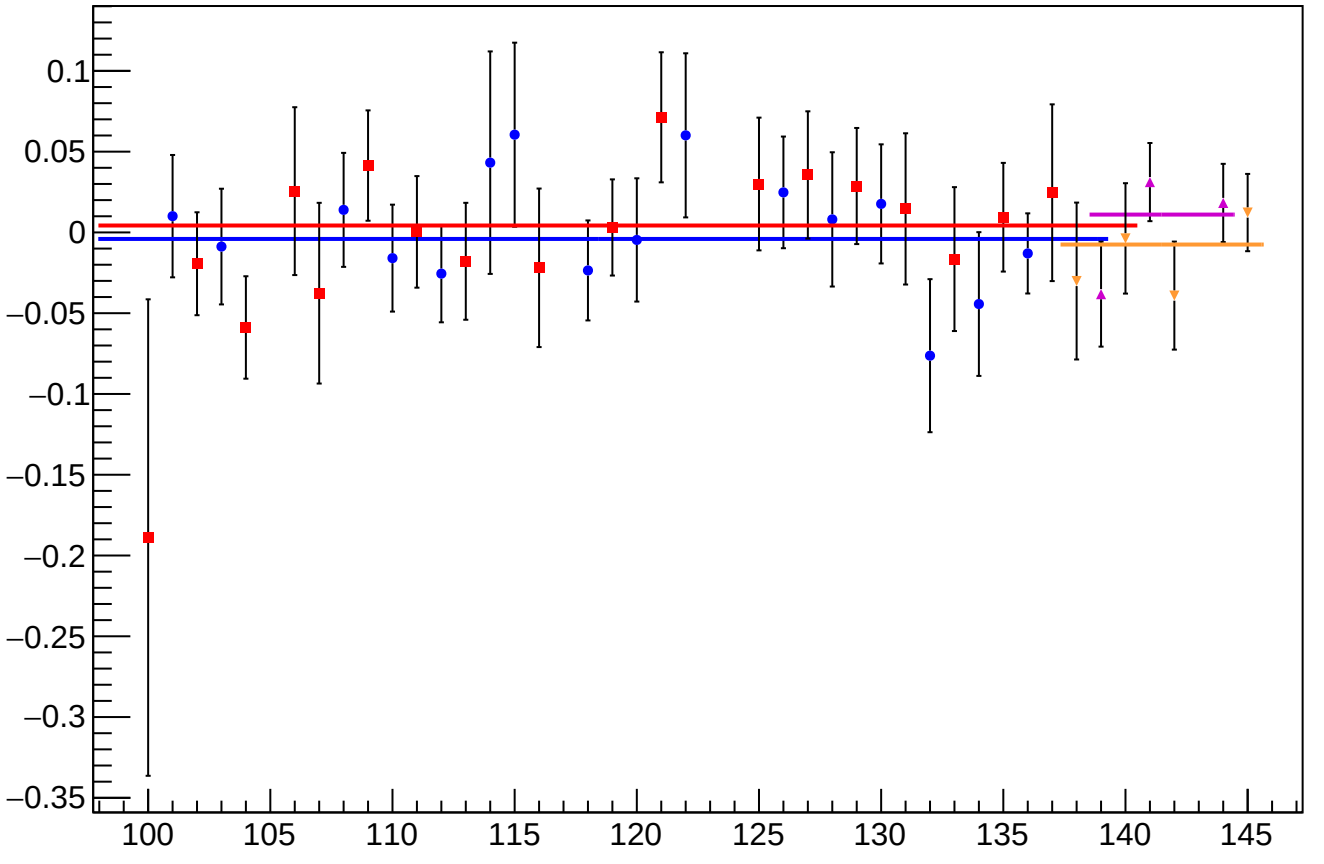
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.970+/-0.011 χ^2/NDF:68498.0/2

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

All: 23.511+/-0.004 χ^2/NDF: 819689.8/40

- sign 23.529+/-0.006 χ^2/NDF: 198434.5/20



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

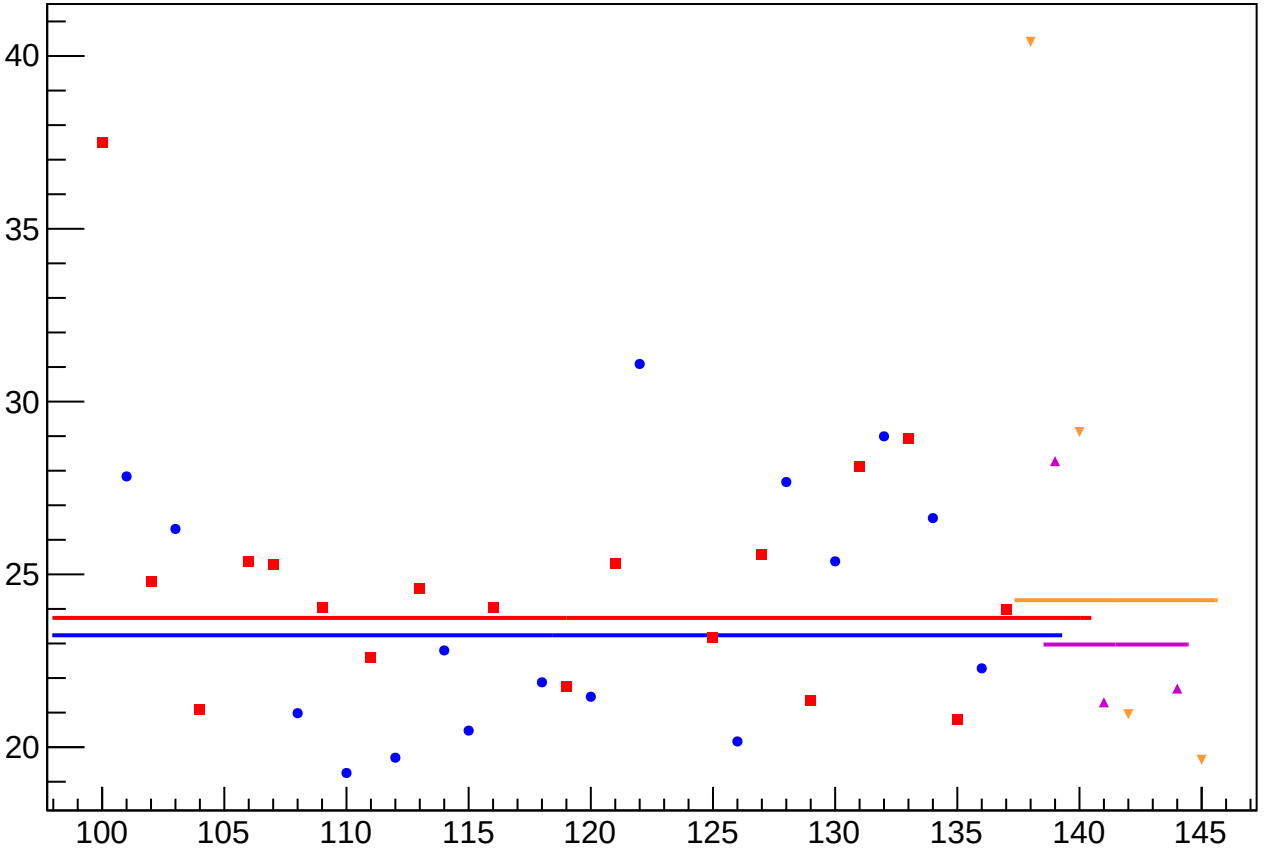
Left In: 0.011+/-0.015 χ^2/NDF:3.1/2

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

All: 0.001+/-0.006 χ^2/NDF: 28.7/40

- sign 0.006+/-0.008 χ^2/NDF: 16.7/20

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

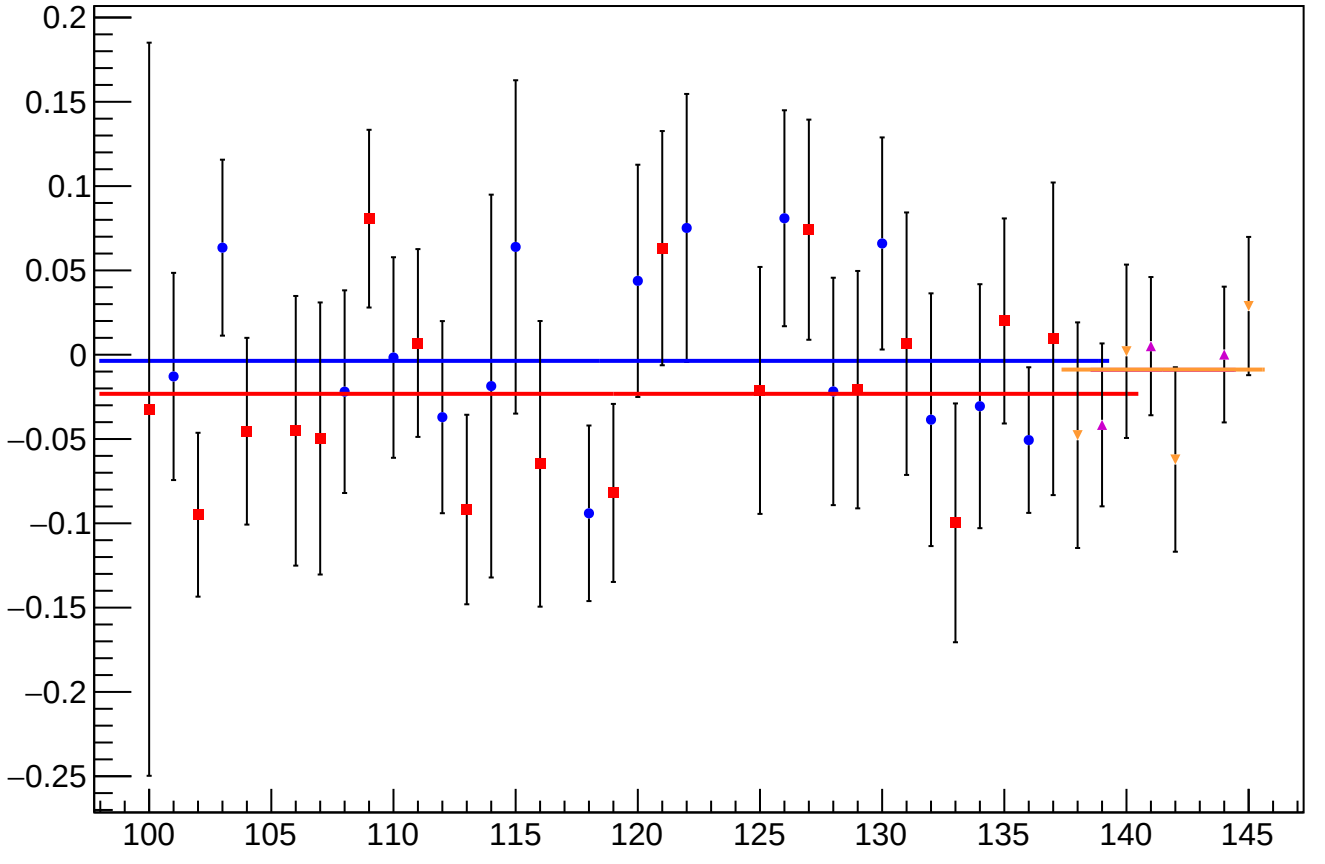
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.970+/-0.011 χ^2/NDF:68498.0/2

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

All: 23.511+/-0.004 χ^2/NDF: 819689.8/40

- sign 23.529+/-0.006 χ^2/NDF: 198434.5/20



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

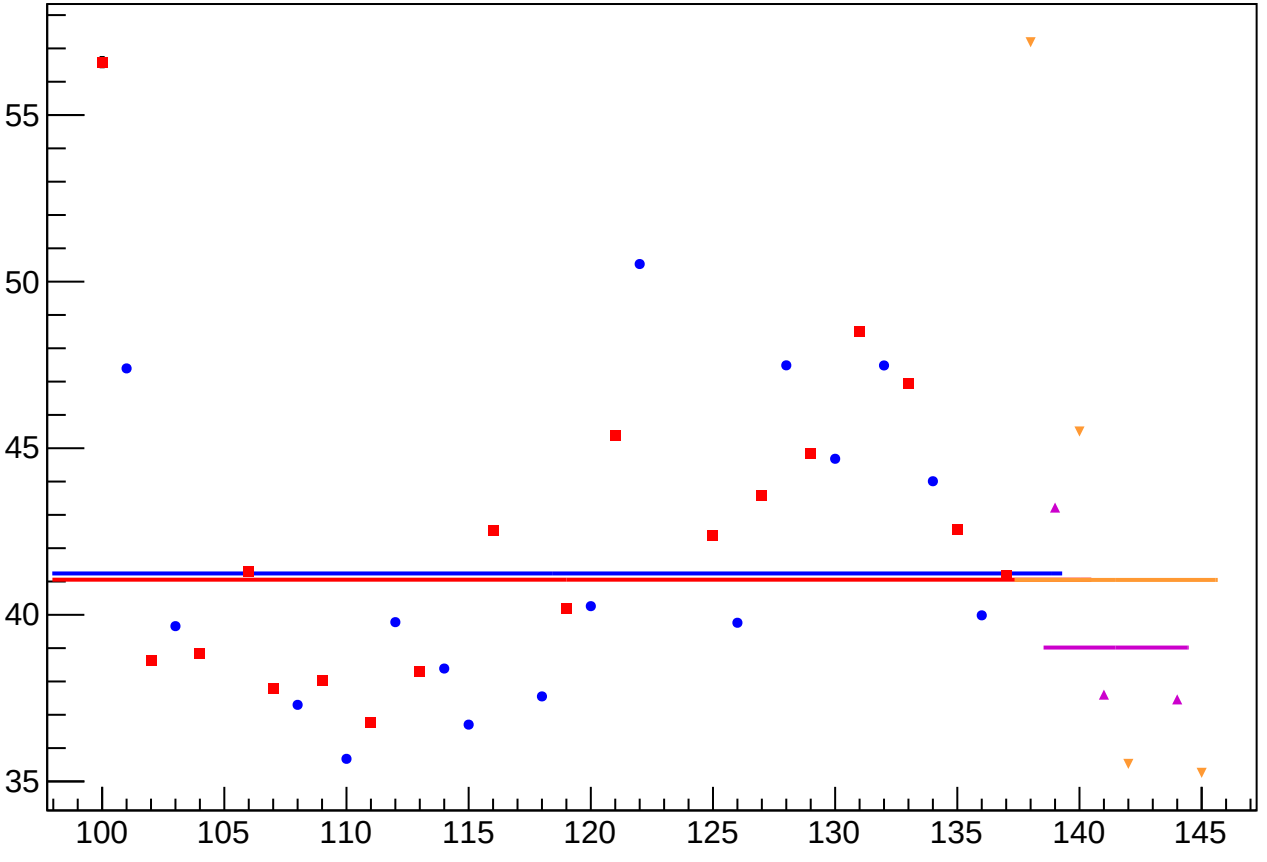
Left In: -0.009+/-0.025 χ^2/NDF:0.6/2

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

All: -0.012+/-0.009 χ^2/NDF: 30.7/40

- sign -0.019+/-0.013 χ^2/NDF: 16.2/20

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

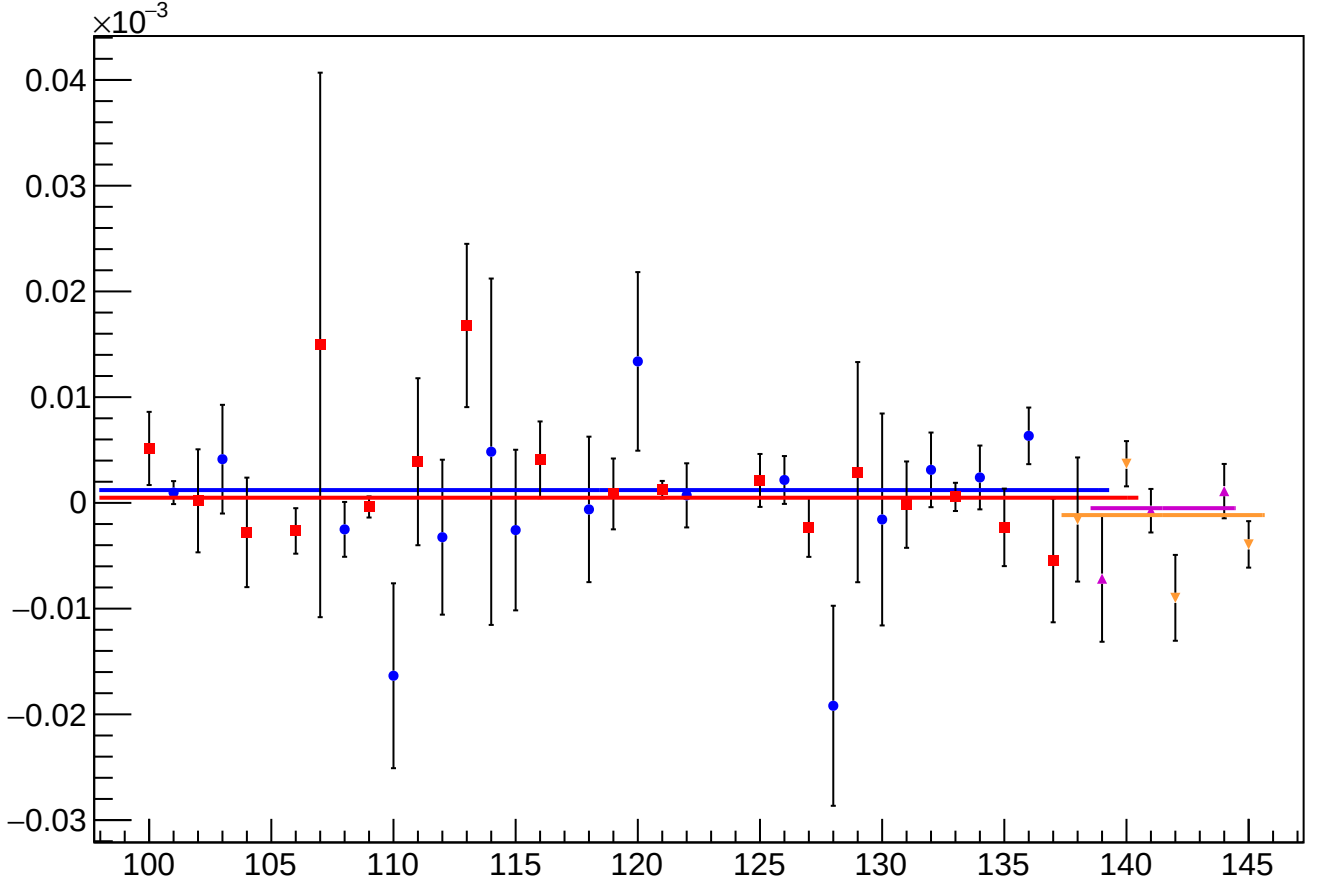
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.018+/-0.017 χ^2/NDF:20490.3/2

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

All: 40.826+/-0.007 χ^2/NDF: 456663.1/40

- sign 40.478+/-0.009 χ^2/NDF: 126816.2/20



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

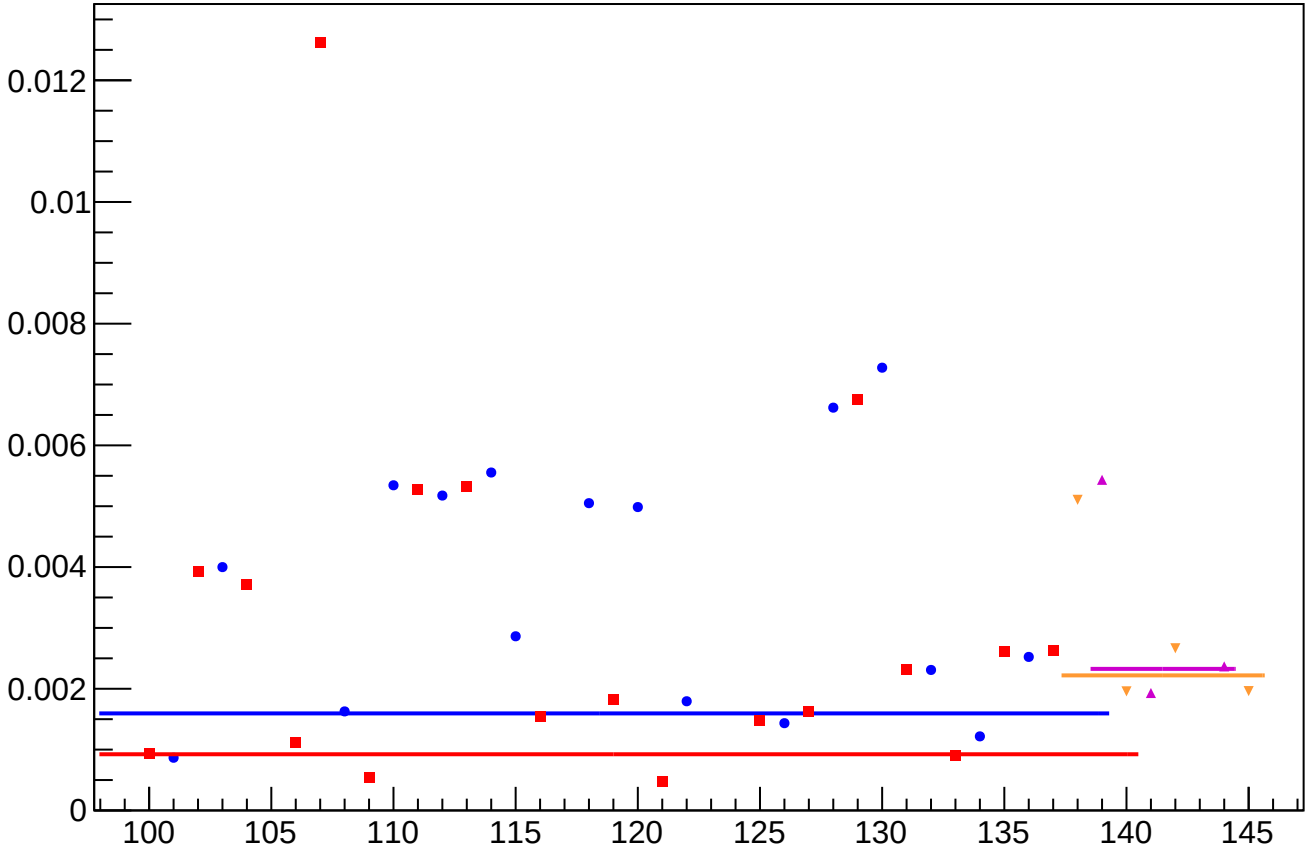
Left In: -0.000+/-0.000 χ^2/NDF:1.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/19

All: 0.000+/-0.000 χ^2/NDF: 48.1/40

- sign 0.000+/-0.000 χ^2/NDF: 17.0/20

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

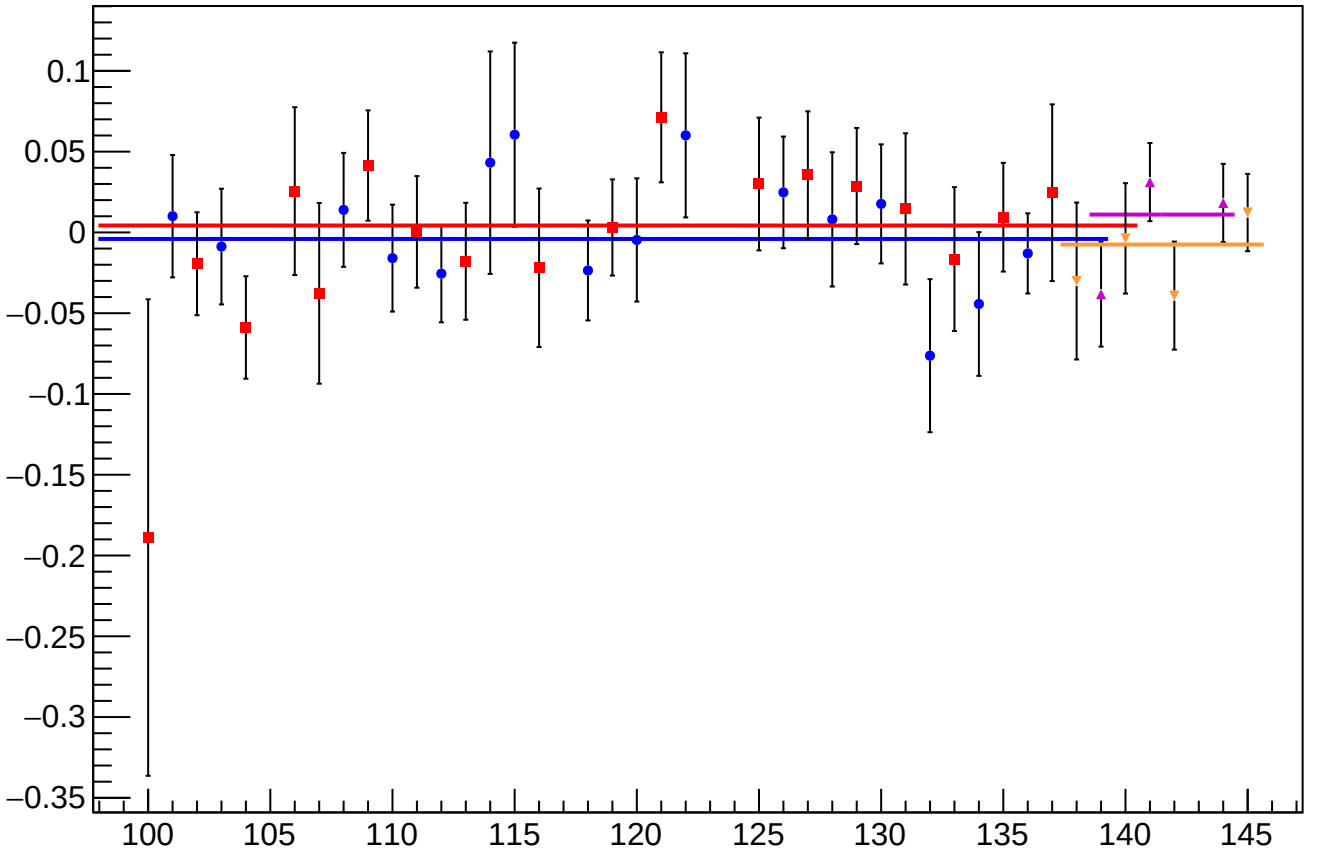
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:616974.7/2

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

All: 0.001+/-0.000 χ^2/NDF: 14923822.2/40

- sign 0.001+/-0.000 χ^2/NDF: 7880359.7/20



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

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

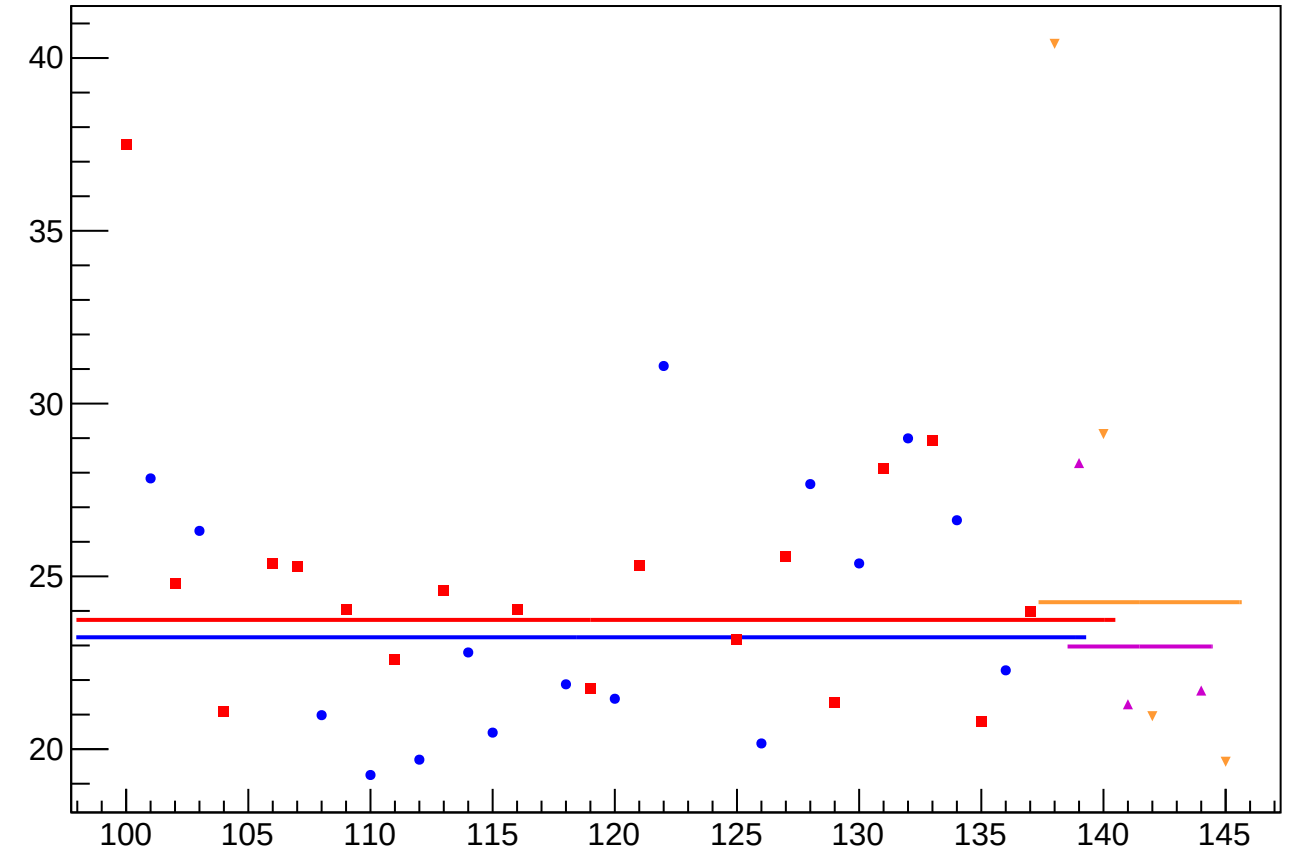
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.011+/-0.015 χ^2/NDF:3.1/2

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

All: 0.001+/-0.006 χ^2/NDF: 28.7/40

- sign 0.006+/-0.008 χ^2/NDF: 16.7/20



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

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

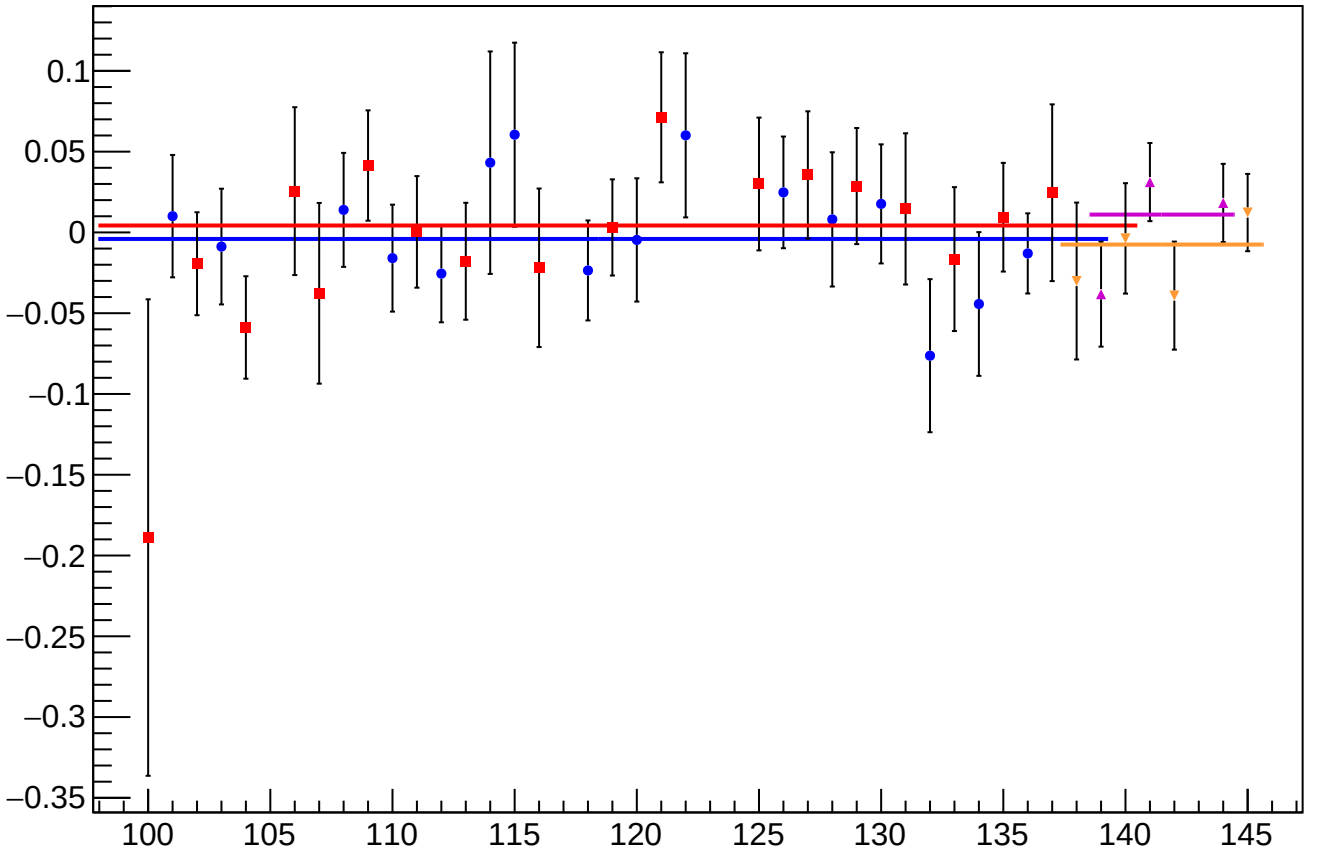
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.971+/-0.011 χ^2/NDF:68520.4/2

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

All: 23.511+/-0.004 χ^2/NDF: 819647.4/40

\- sign 23.529+/-0.006 χ^2/NDF: 198406.2/20



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

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

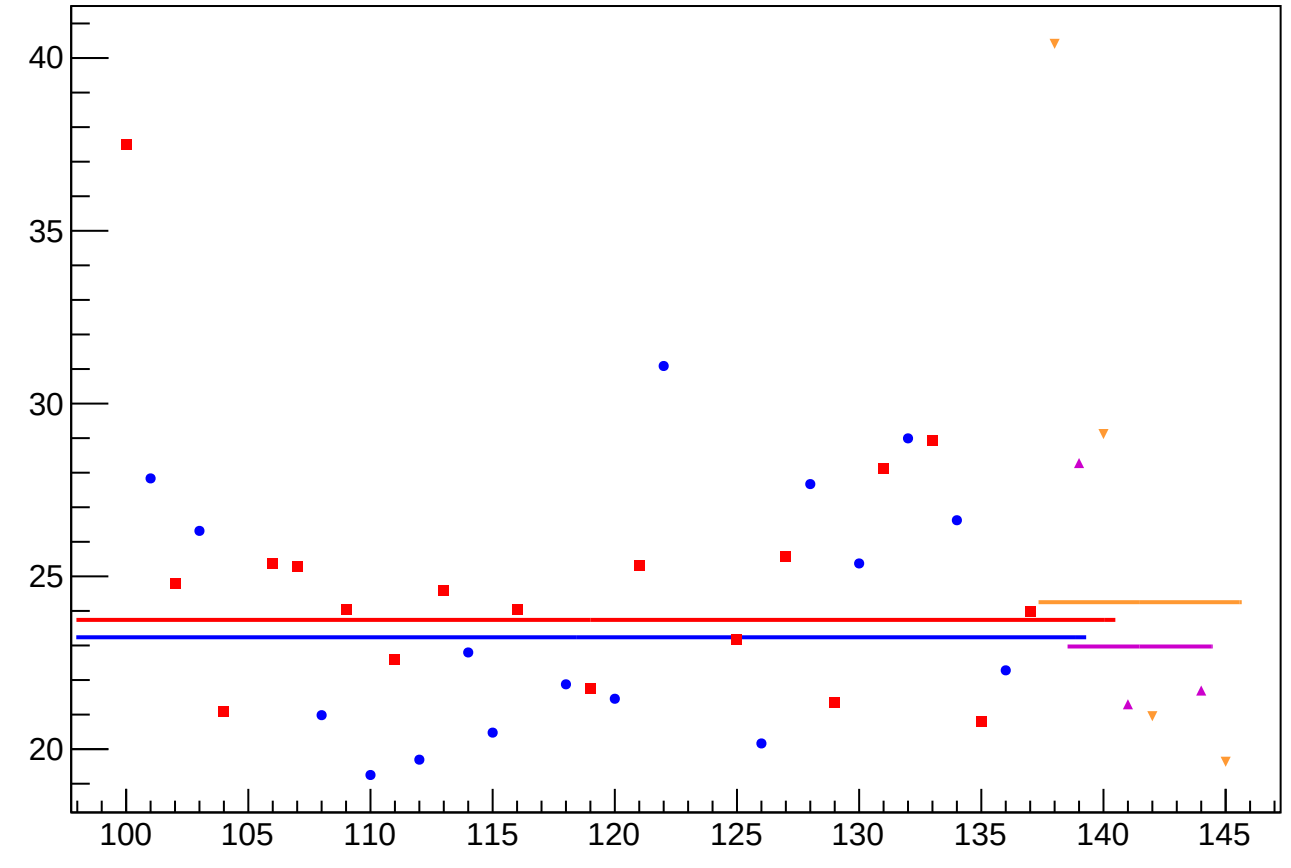
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.011+/-0.015 χ^2/NDF:3.1/2

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

All: 0.001+/-0.006 χ^2/NDF: 28.7/40

- sign 0.006+/-0.008 χ^2/NDF: 16.7/20



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

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

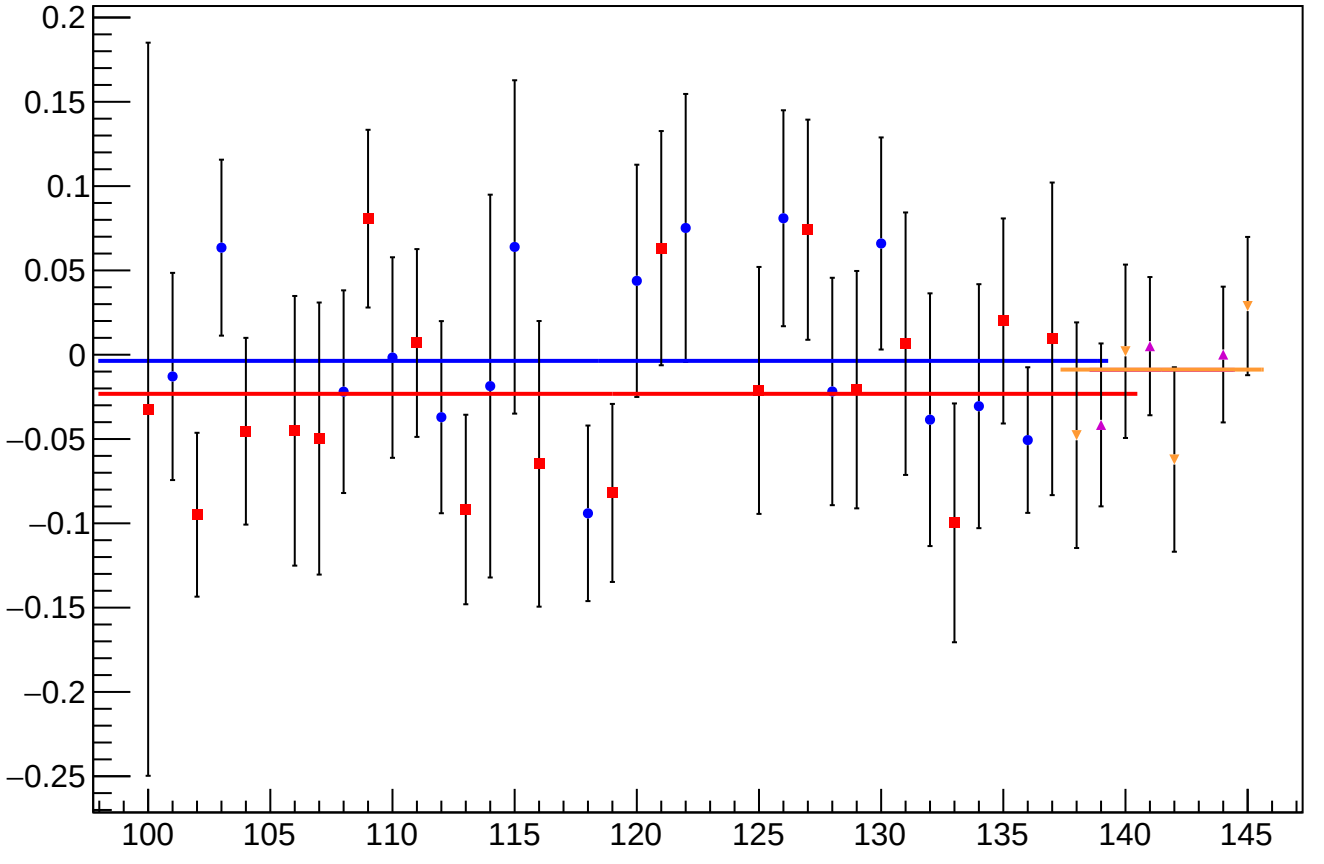
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.971+/-0.011 χ^2/NDF:68520.4/2

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

All: 23.511+/-0.004 χ^2/NDF: 819647.4/40

- sign 23.529+/-0.006 χ^2/NDF: 198406.2/20



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

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

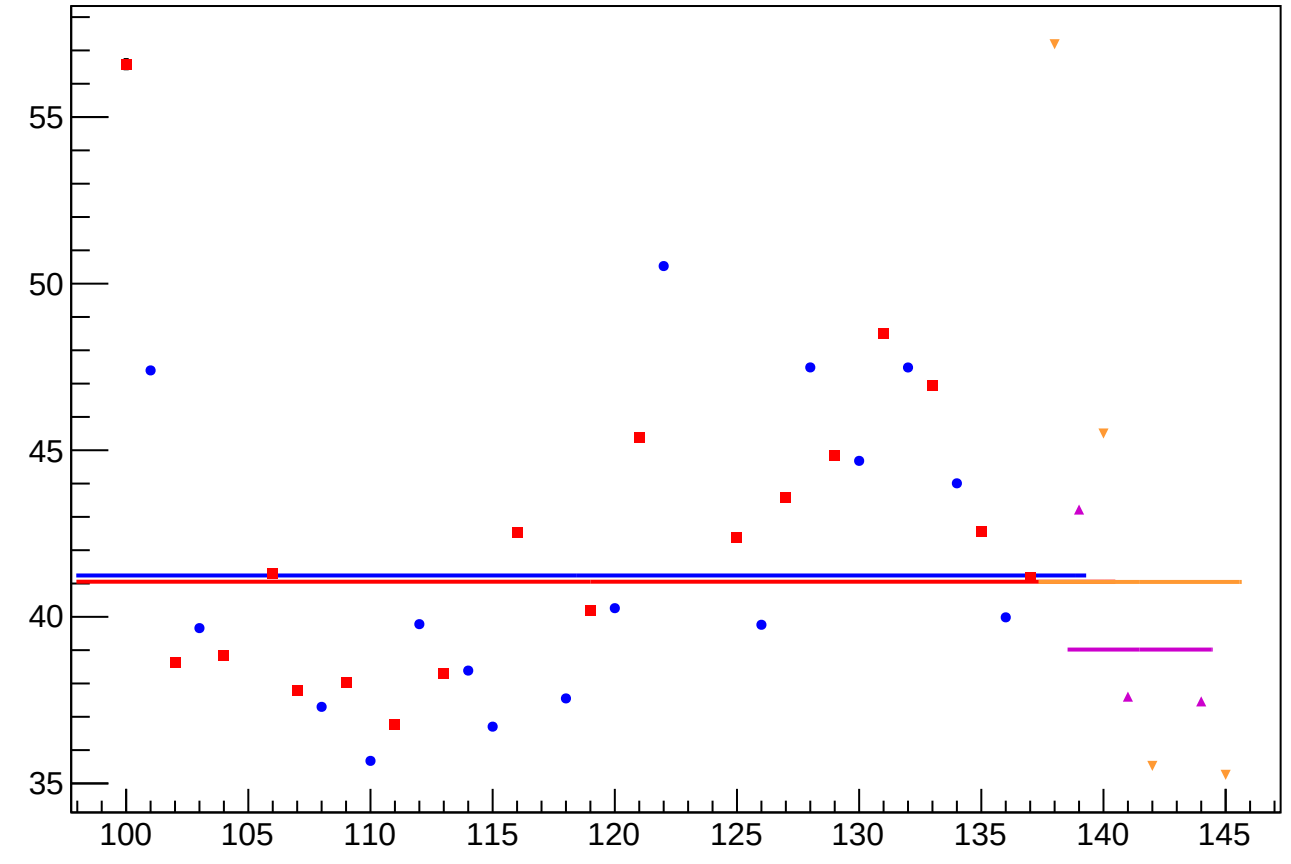
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.009+/-0.025 χ^2/NDF:0.6/2

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

All: -0.012+/-0.009 χ^2/NDF: 30.7/40

- sign -0.019+/-0.013 χ^2/NDF: 16.2/20



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

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

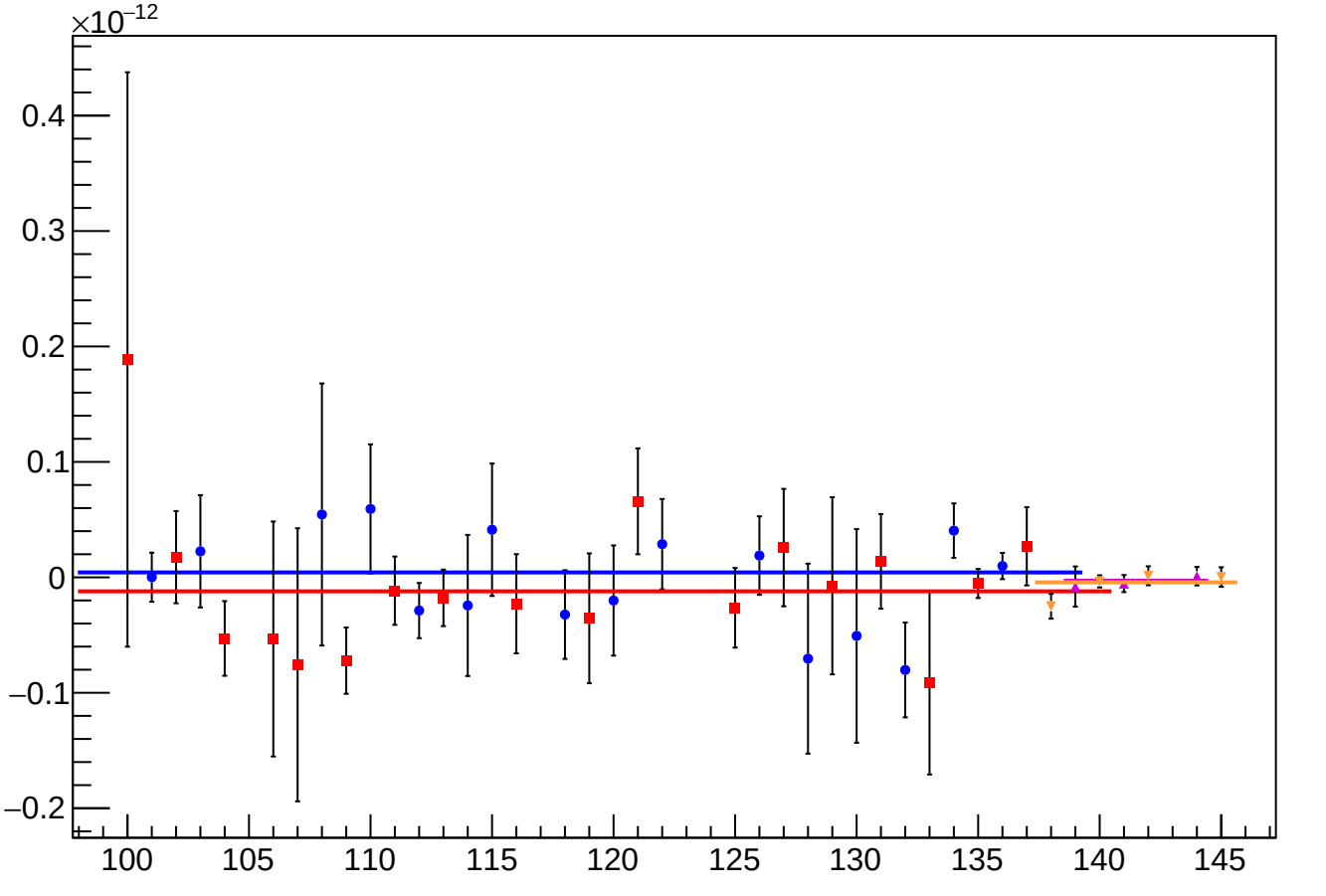
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.018+/-0.017 χ^2/NDF:20496.1/2

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

All: 40.826+/-0.007 χ^2/NDF: 456629.6/40

\- sign 40.478+/-0.009 χ^2/NDF: 126808.7/20



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

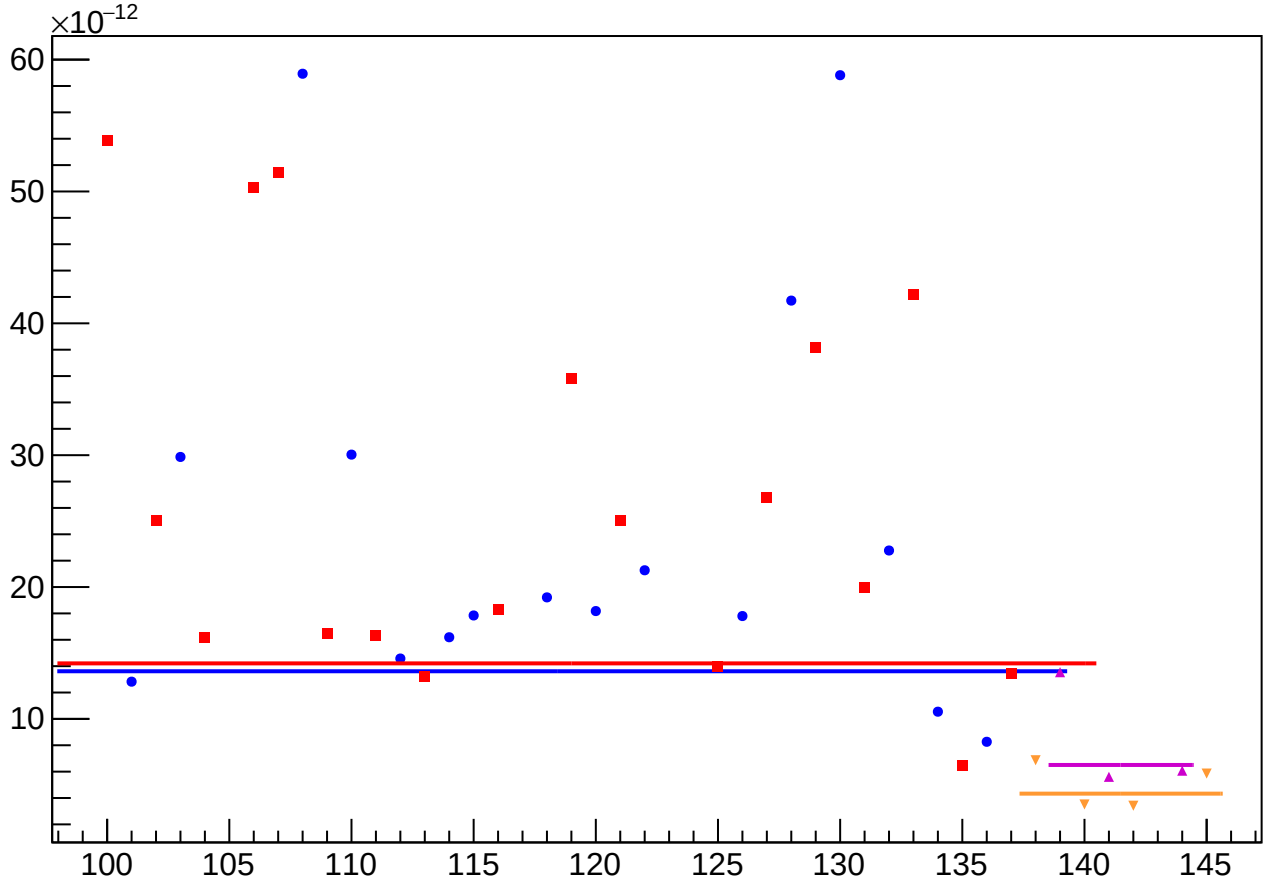
Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

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

All: -0.000+/-0.000 χ^2/NDF: 35.5/40

- sign -0.000+/-0.000 χ^2/NDF: 15.9/20

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:249561.3/3

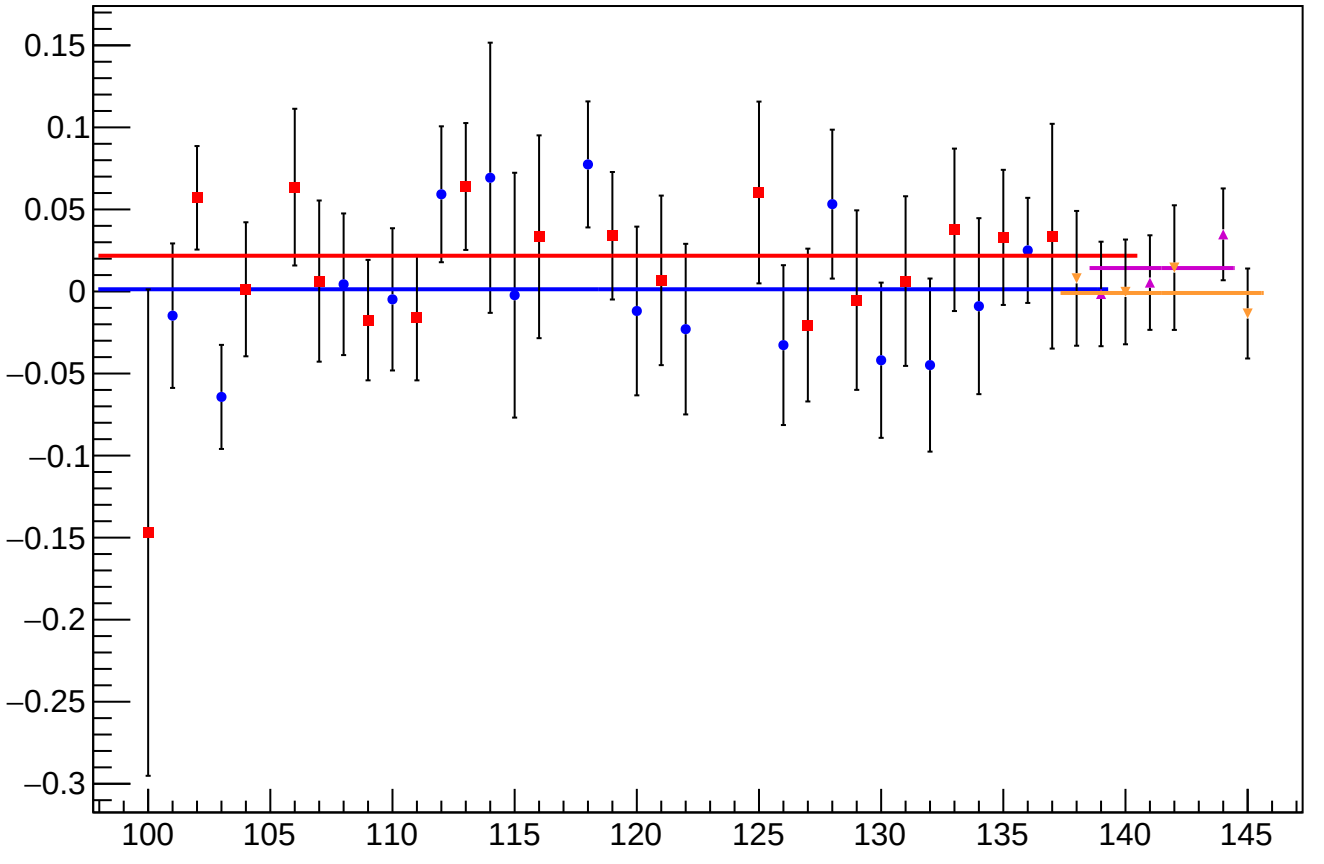
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:362030.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 4971376.5/19

All: 0.000+/-0.000 χ^2/NDF: 9649877.8/40

- sign 0.000+/-0.000 χ^2/NDF: 4189722.6/20



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

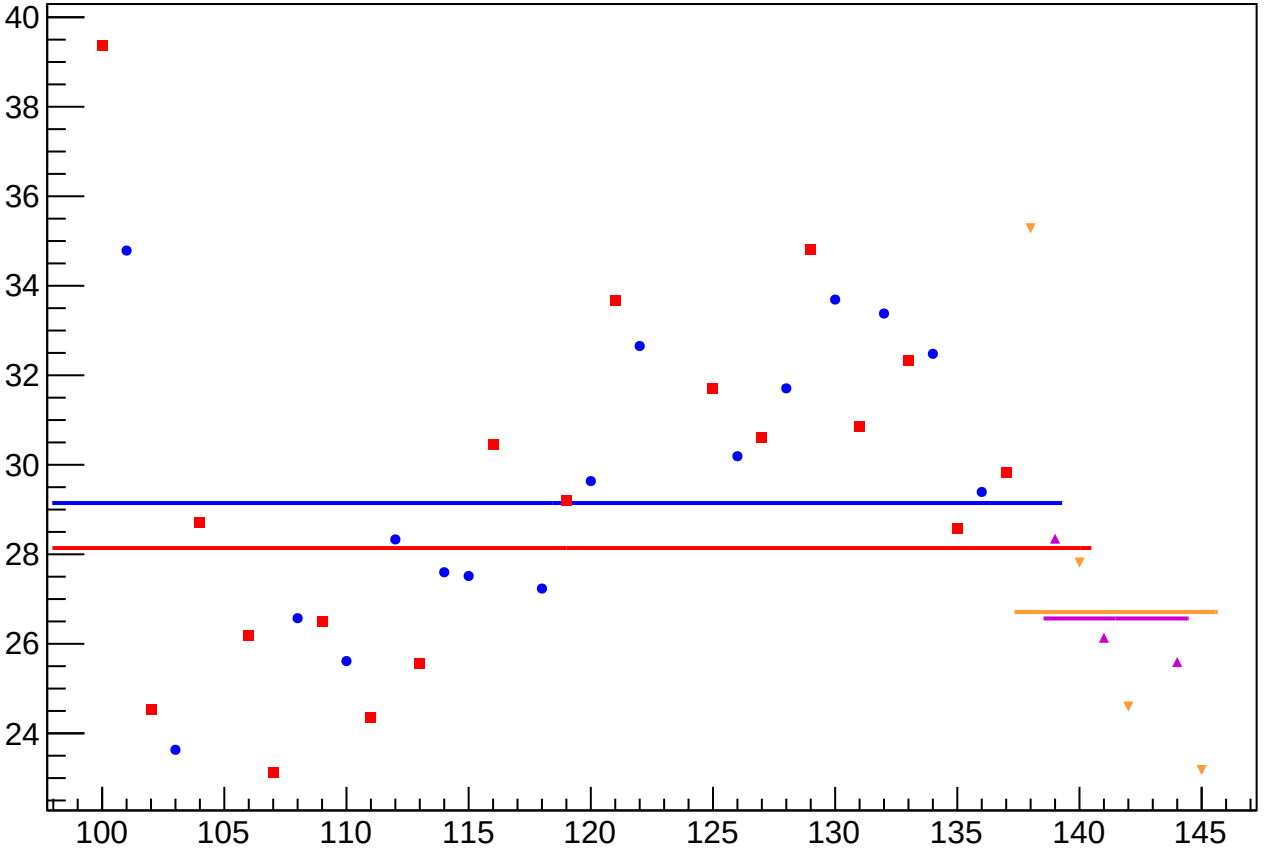
Left In: 0.014+/-0.017 χ^2/NDF:0.9/2

+ sign 0.001+/-0.009 χ^2/NDF: 15.7/19

All: 0.010+/-0.007 χ^2/NDF: 27.9/40

- sign 0.020+/-0.009 χ^2/NDF: 10.1/20

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

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

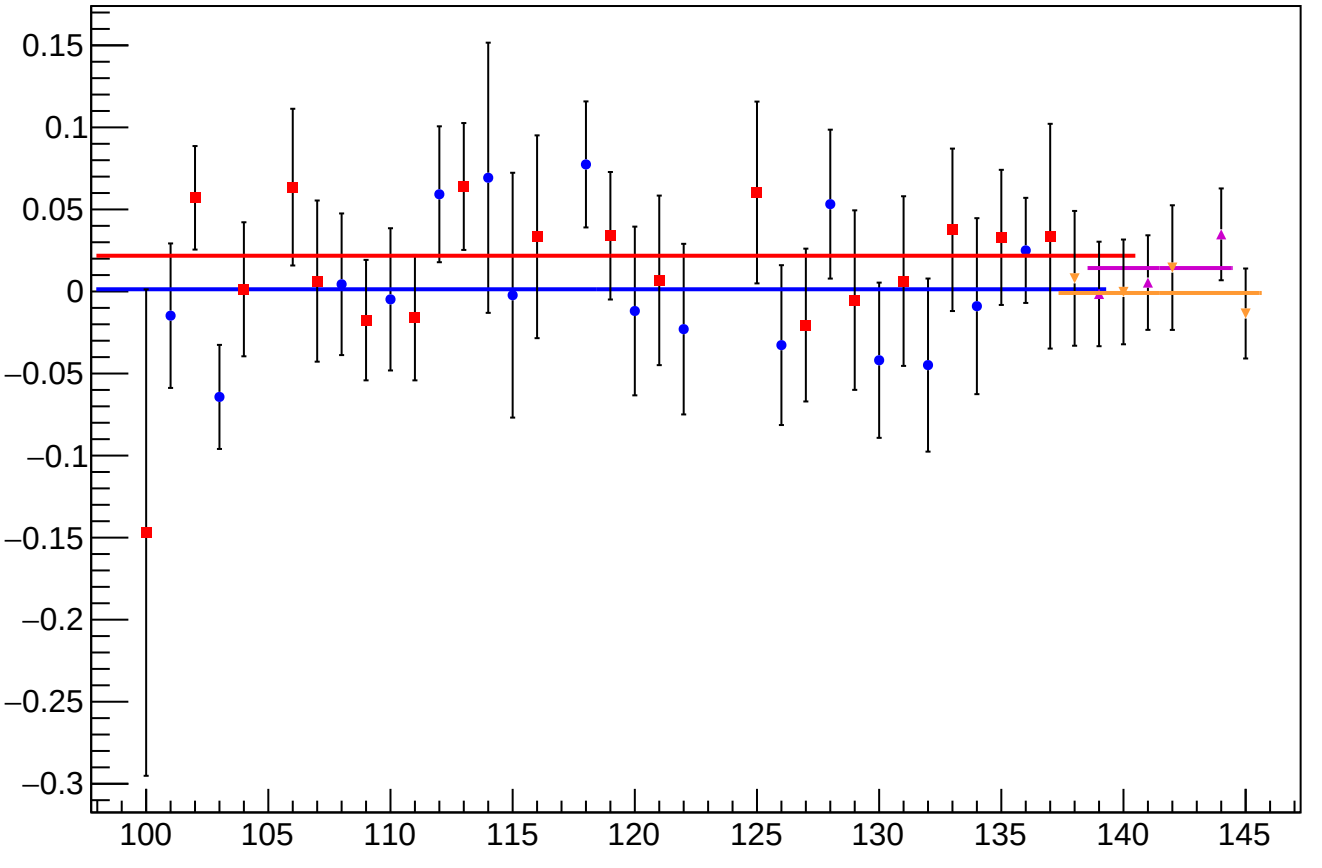
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.566+/-0.012 χ^2/NDF:9140.7/2

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

All: 28.030+/-0.005 χ^2/NDF: 549424.3/40

- sign 27.688+/-0.006 χ^2/NDF: 208487.0/20



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

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

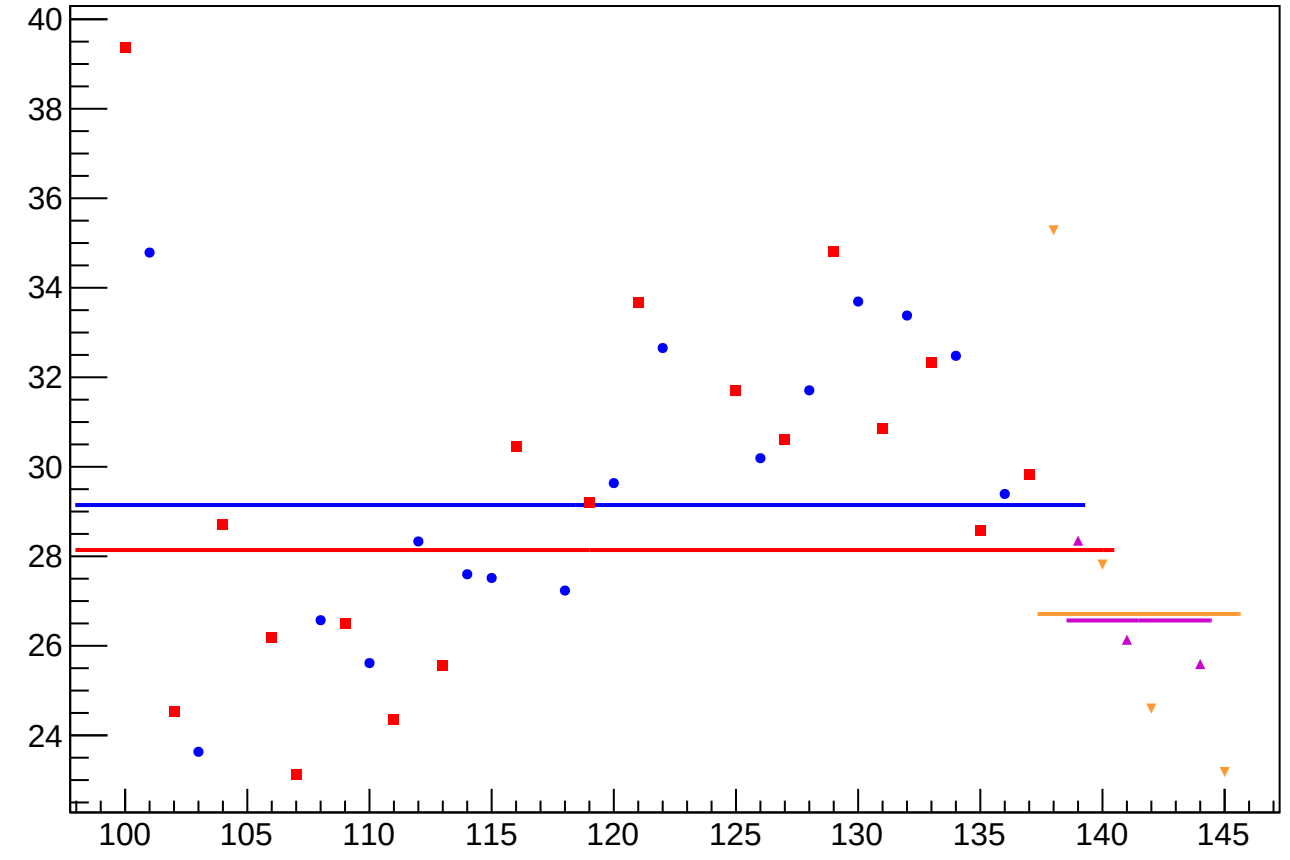
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.014+/-0.017 χ^2/NDF:0.9/2

+ sign 0.001+/-0.009 χ^2/NDF: 15.7/19

All: 0.010+/-0.007 χ^2/NDF: 27.9/40

- sign 0.020+/-0.009 χ^2/NDF: 10.1/20



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

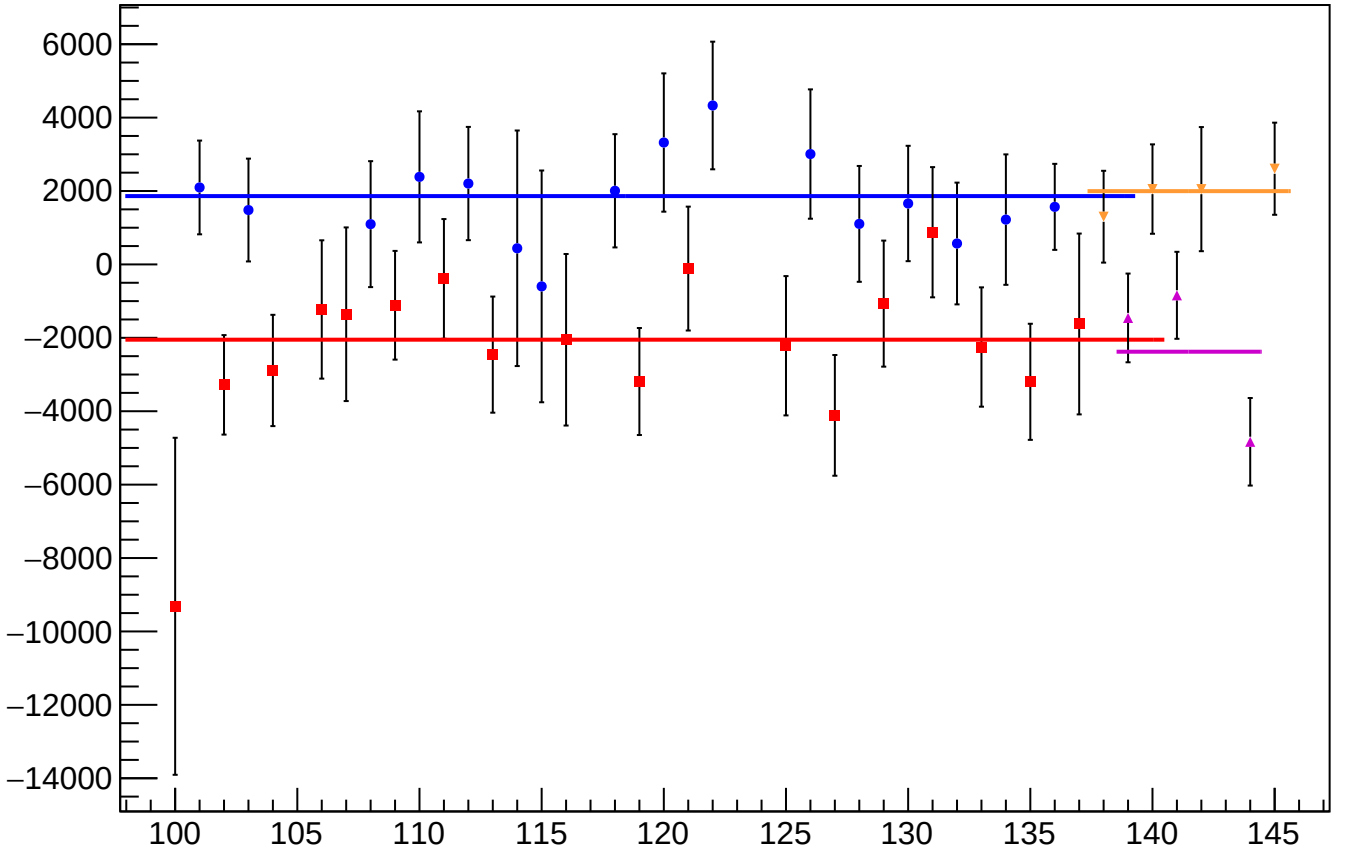
Left In: 26.566+/-0.012 χ^2/NDF:9140.7/2

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

All: 28.030+/-0.005 χ^2/NDF: 549424.3/40

\- sign 27.688+/-0.006 χ^2/NDF: 208487.0/20

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

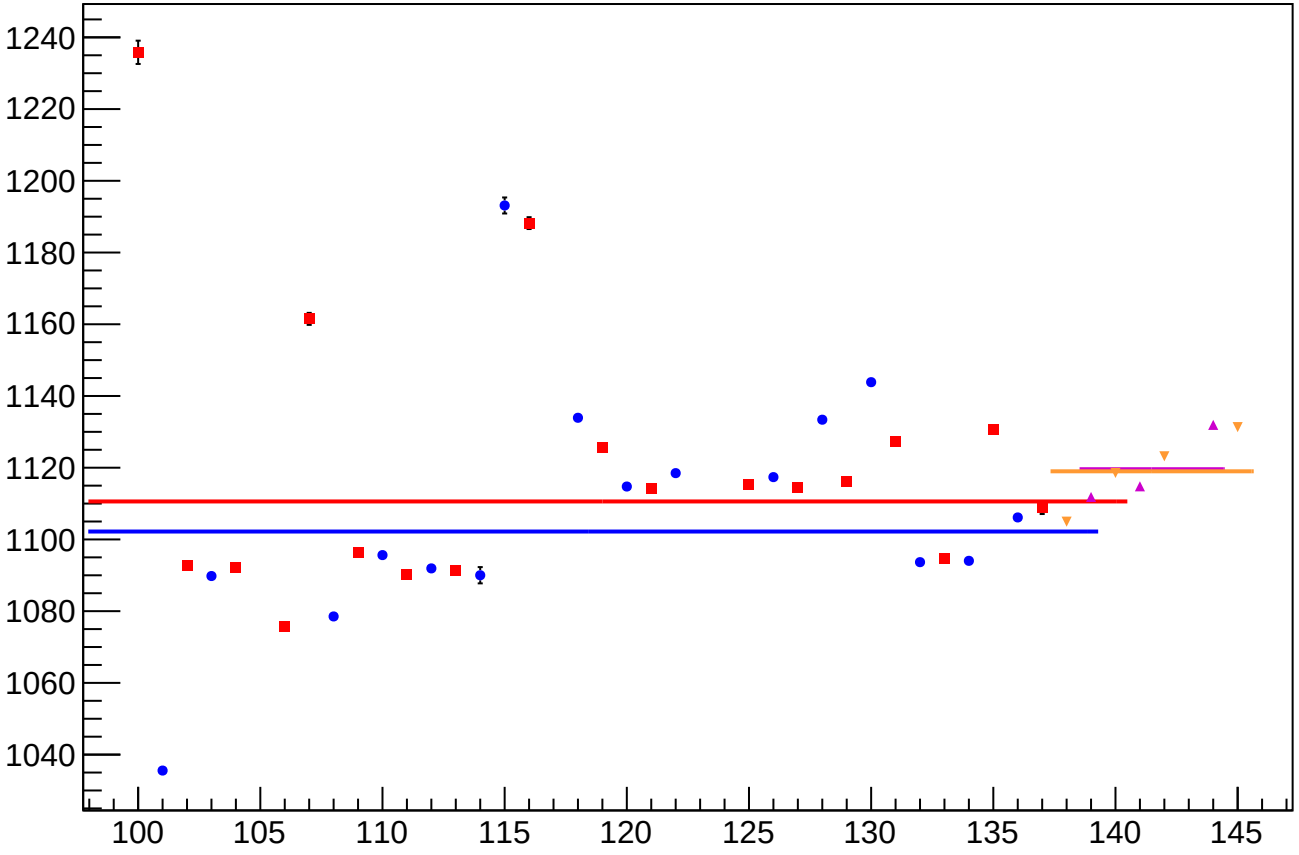
Left In: -2378.509+/-690.170 χ^2/NDF:6.5/2

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

All: -95.008+/-247.457 χ^2/NDF: 91.6/40

\- sign -2136.082+/-352.015 χ^2/NDF: 19.2/20

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

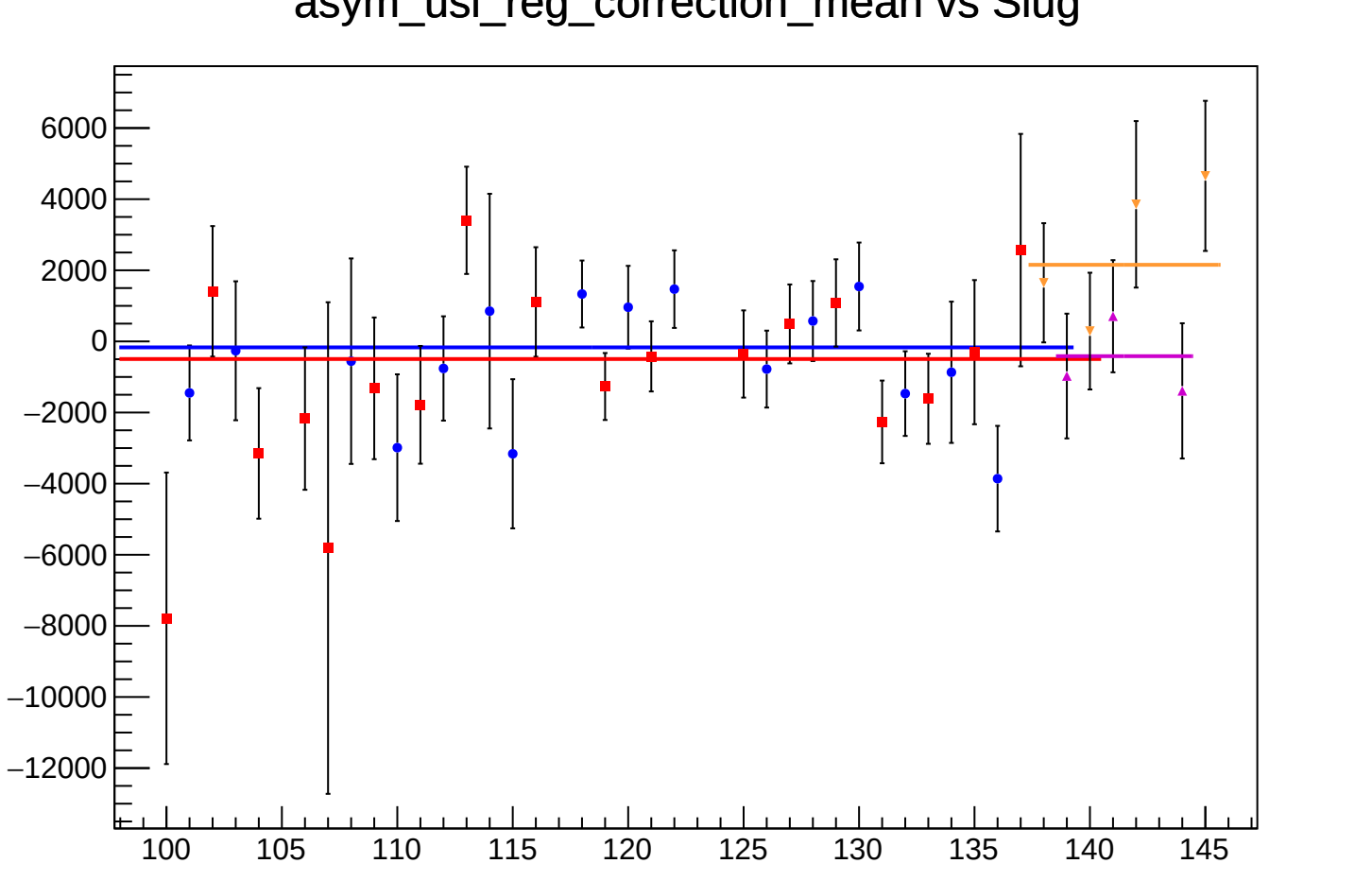
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1119.581+/-0.488 χ^2/NDF:329.2/2

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

All: 1109.868+/-0.175 χ^2/NDF: 21317.1/40

- sign 1112.930+/-0.249 χ^2/NDF: 8276.3/20



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

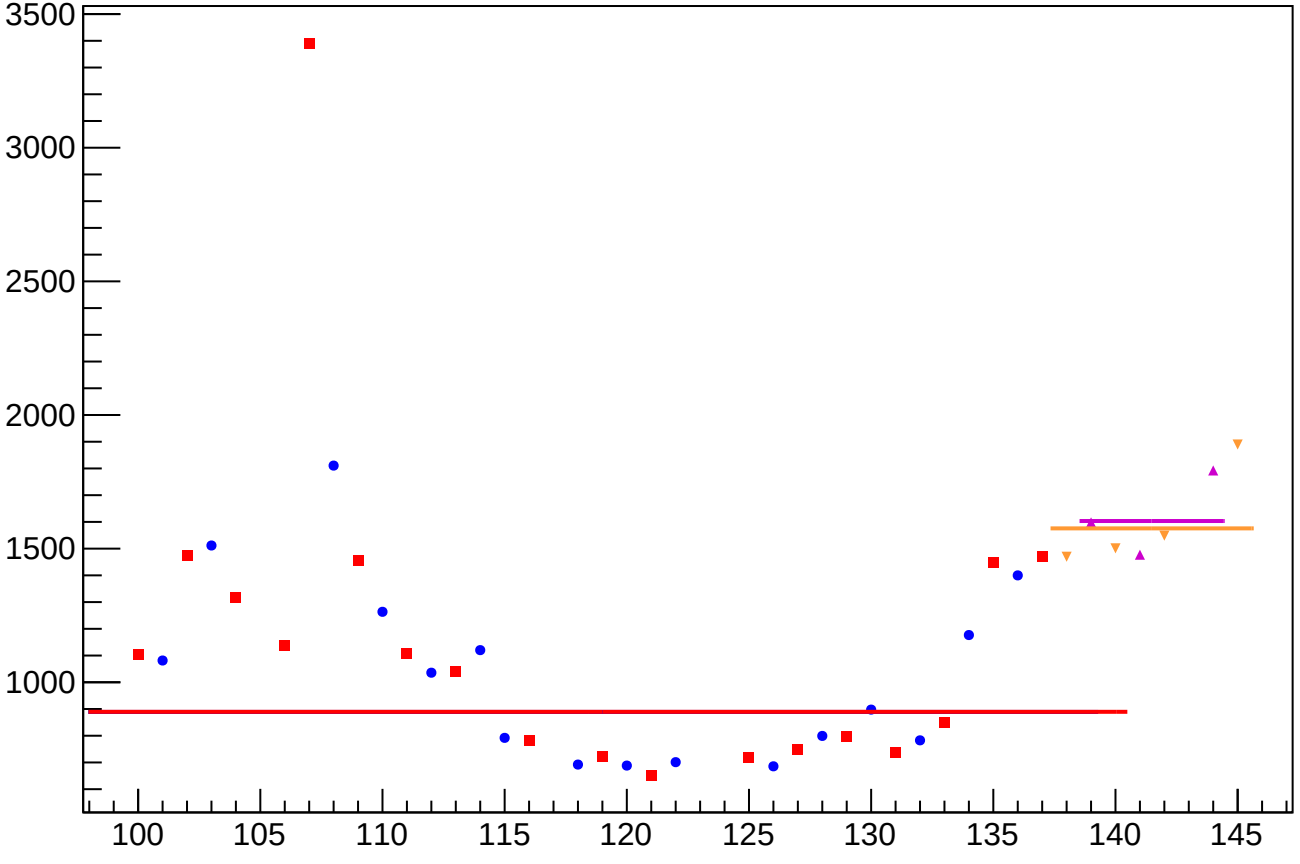
Left In: -415.055+/-998.218 χ^2/NDF:0.9/2

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

All: -187.141+/-229.921 χ^2/NDF: 55.6/40

- sign -486.621+/-326.120 χ^2/NDF: 24.2/20

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

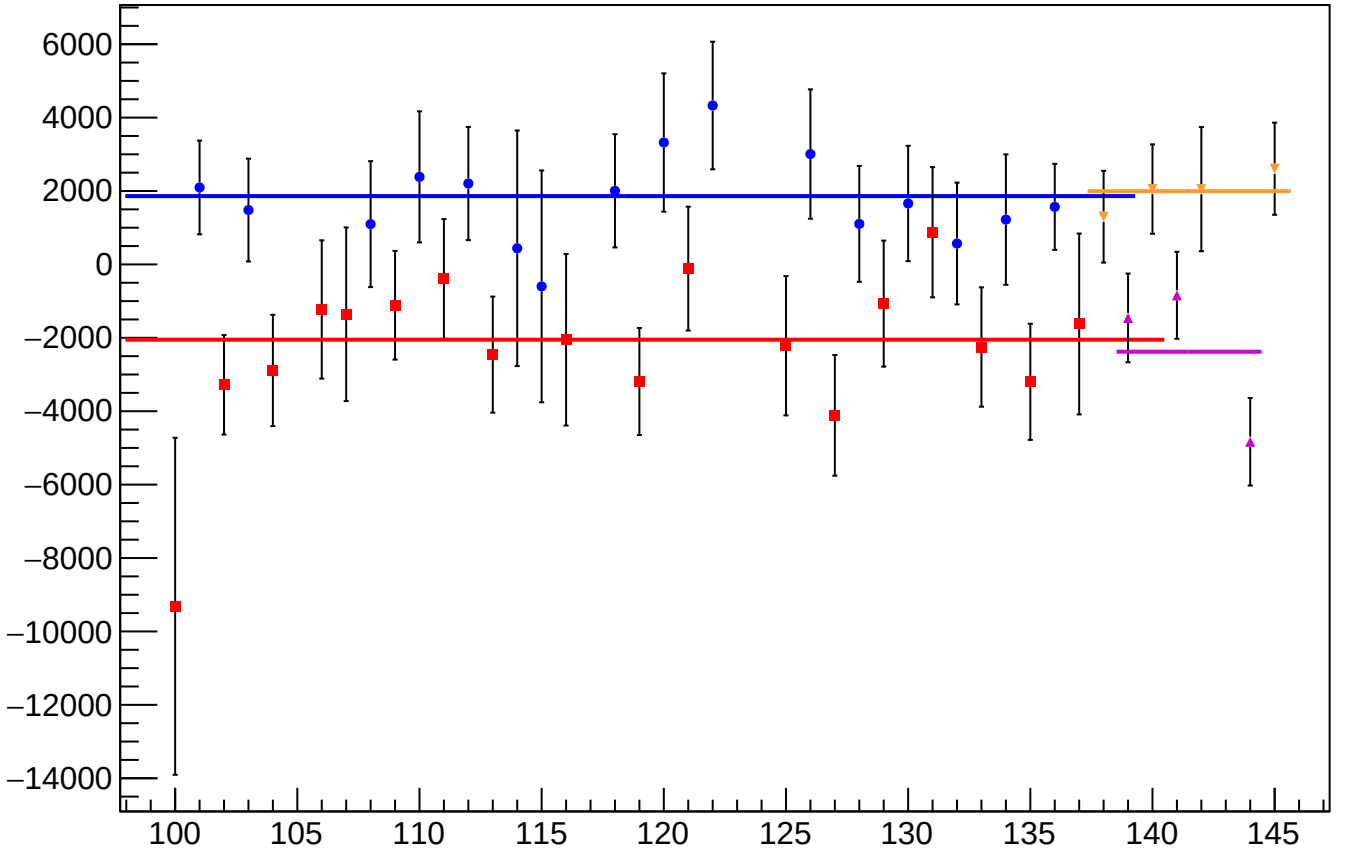
Left In: 1603.332+/-0.706 χ^2/NDF:32585.6/2

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

All: 968.256+/-0.163 χ^2/NDF: 4423891.6/40

- sign 965.671+/-0.231 χ^2/NDF: 2291984.8/20

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

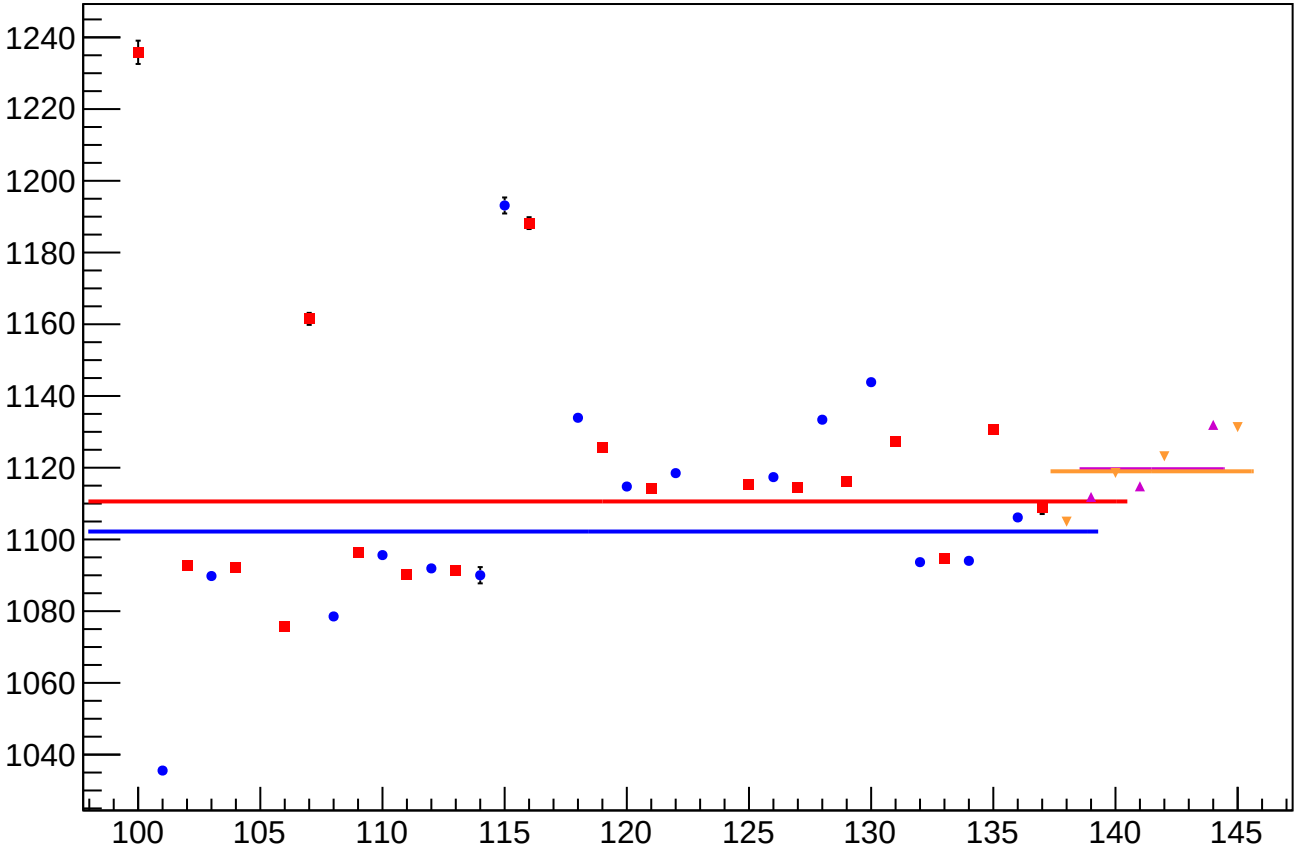
Left In: -2378.509+/-690.170 χ^2/NDF:6.5/2

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

All: -95.008+/-247.457 χ^2/NDF: 91.6/40

- sign -2136.082+/-352.015 χ^2/NDF: 19.2/20

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

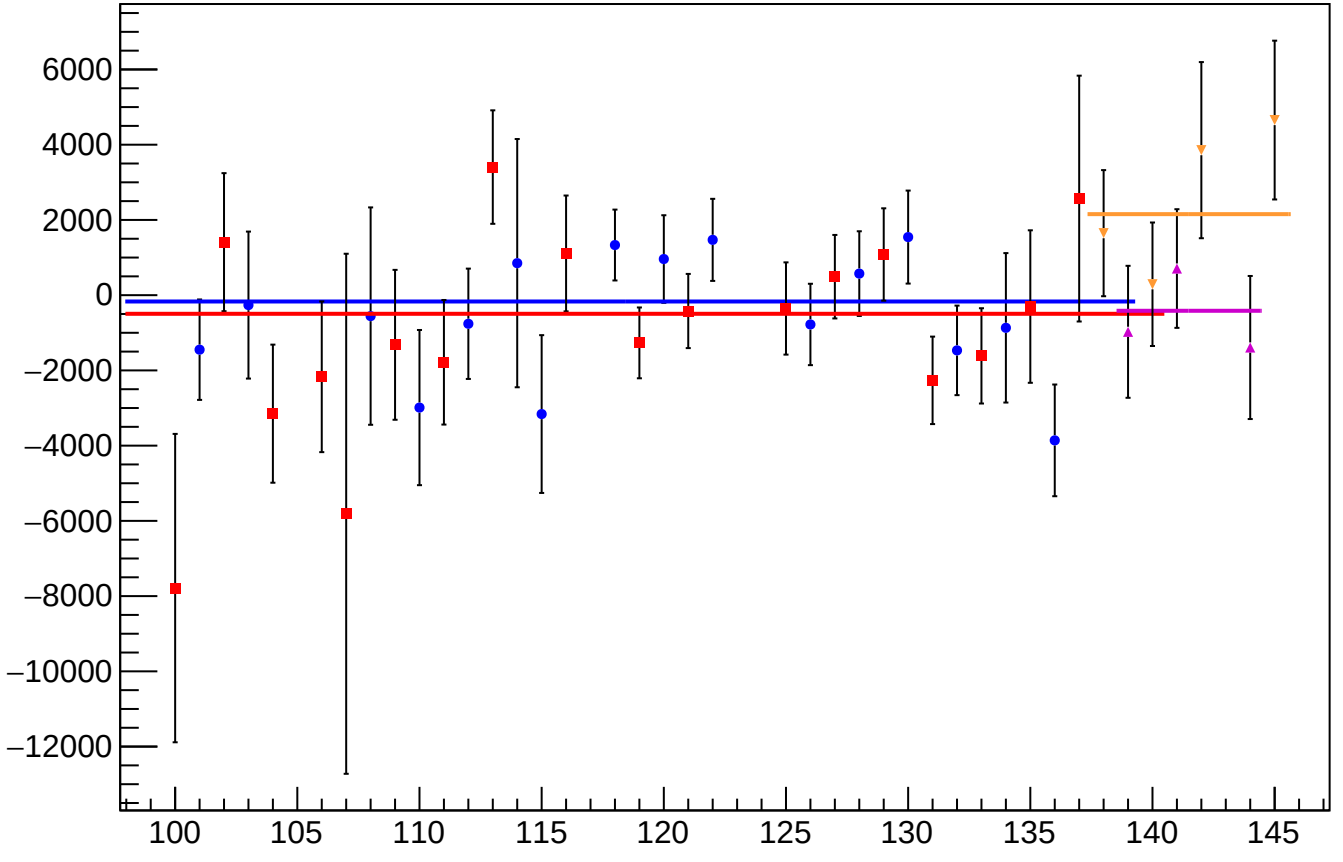
Left In: 1119.581+/-0.488 χ^2/NDF:329.2/2

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

All: 1109.868+/-0.175 χ^2/NDF: 21317.1/40

- sign 1112.930+/-0.249 χ^2/NDF: 8276.3/20

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

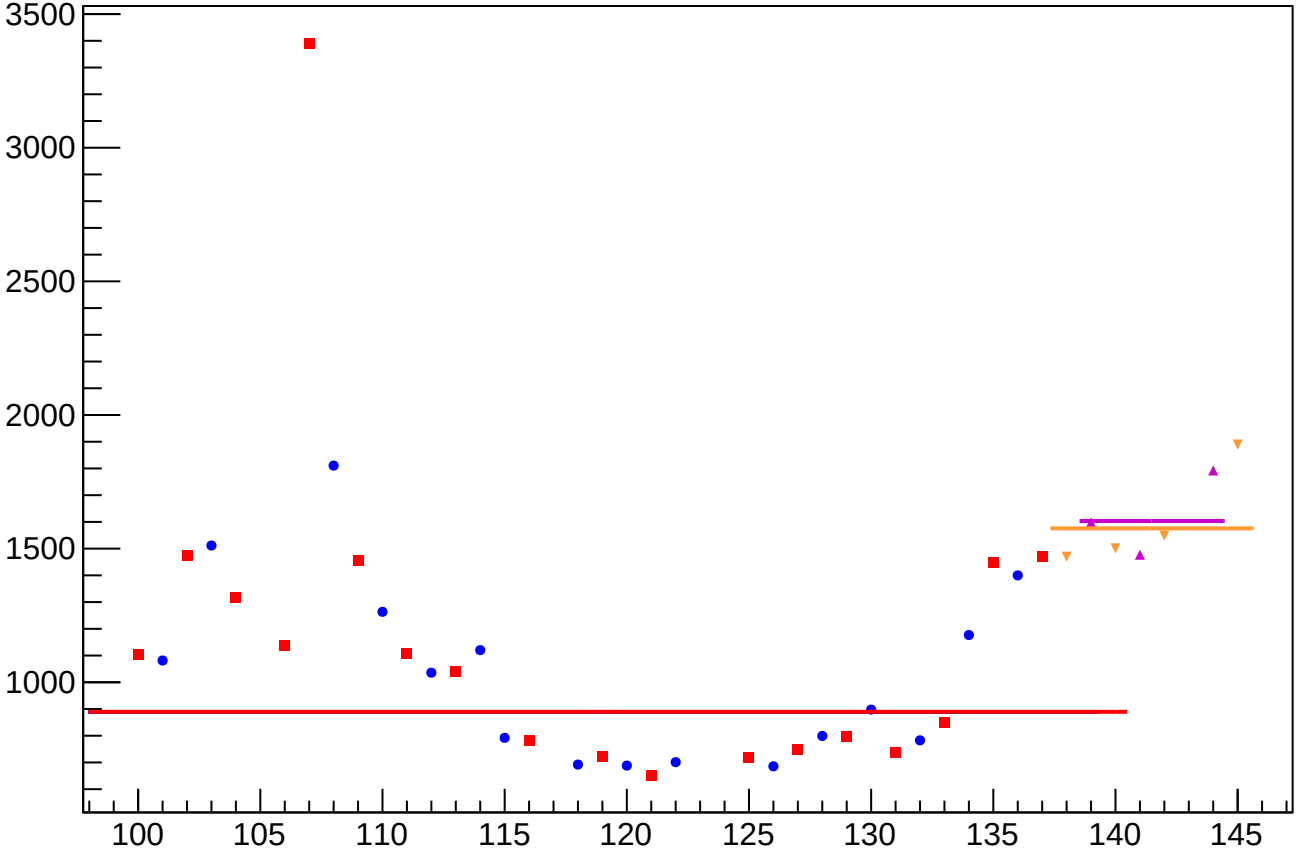
Left In: -415.055+/-998.218 χ^2/NDF:0.9/2

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

All: -187.141+/-229.921 χ^2/NDF: 55.6/40

- sign -486.621+/-326.120 χ^2/NDF: 24.2/20

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

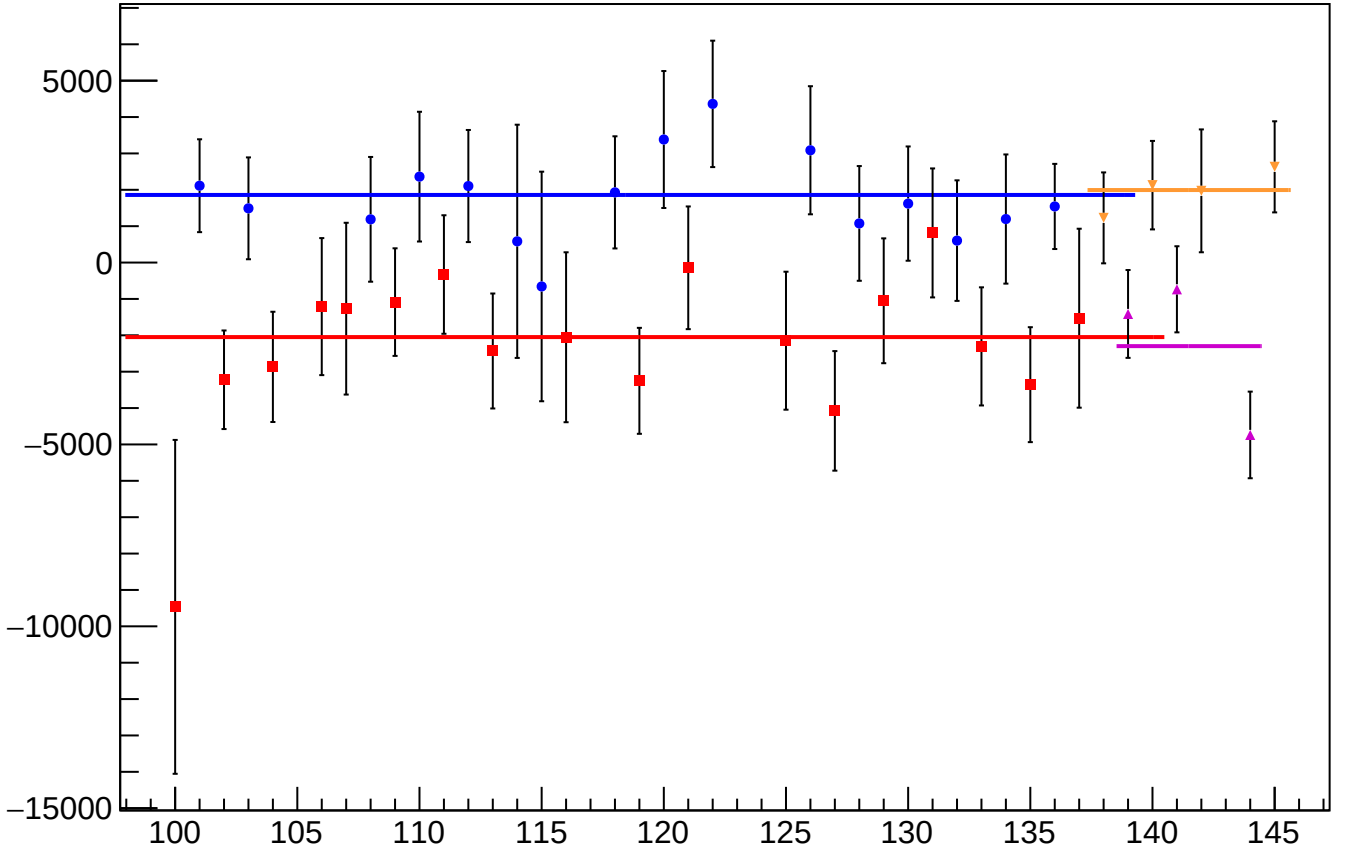
Left In: 1603.332+/-0.706 χ^2/NDF:32585.6/2

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

All: 968.256+/-0.163 χ^2/NDF: 4423891.6/40

- sign 965.671+/-0.231 χ^2/NDF: 2291984.8/20

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

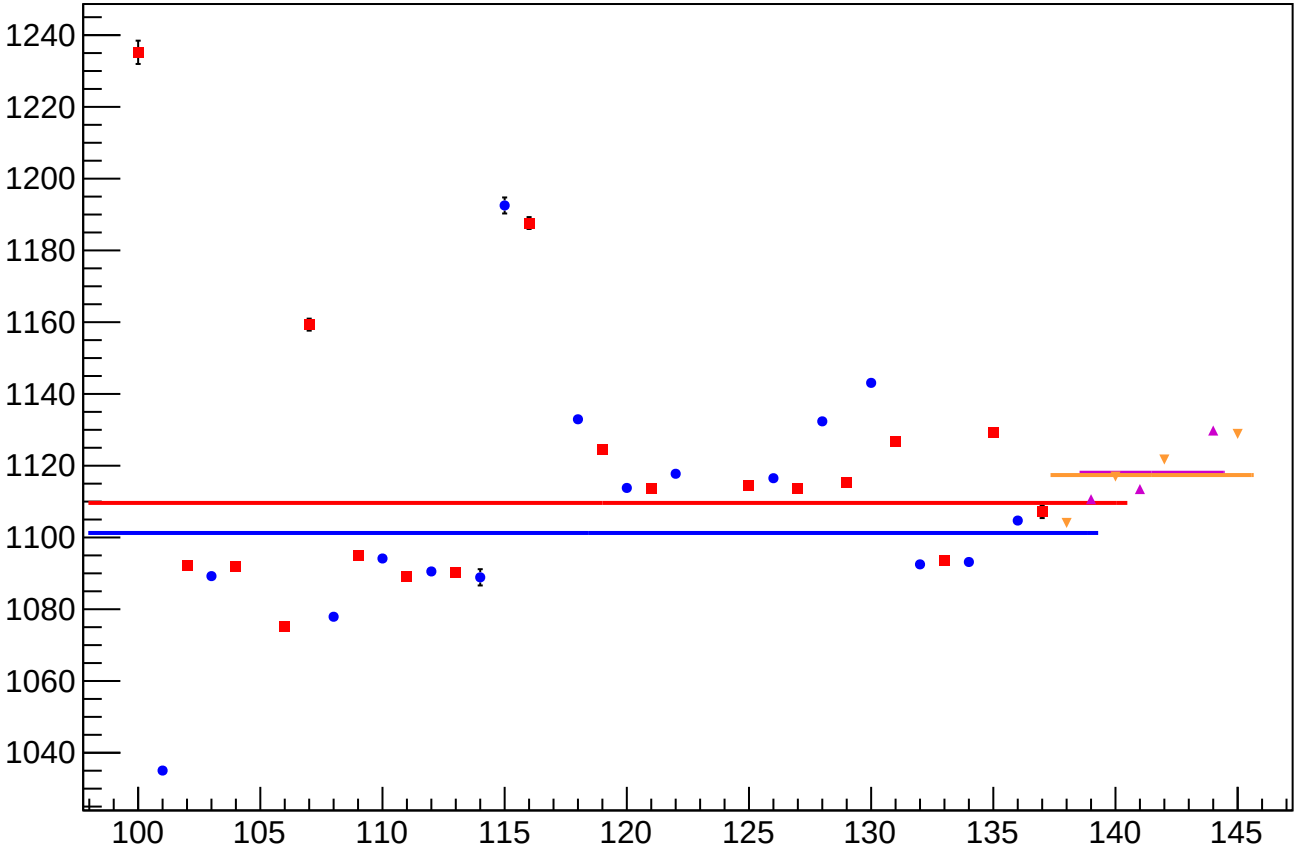
Left In: -2297.359+/-689.216 χ^2/NDF:6.5/2

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

All: -85.204+/-247.207 χ^2/NDF: 91.2/40

- sign -2113.417+/-351.663 χ^2/NDF: 19.3/20

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

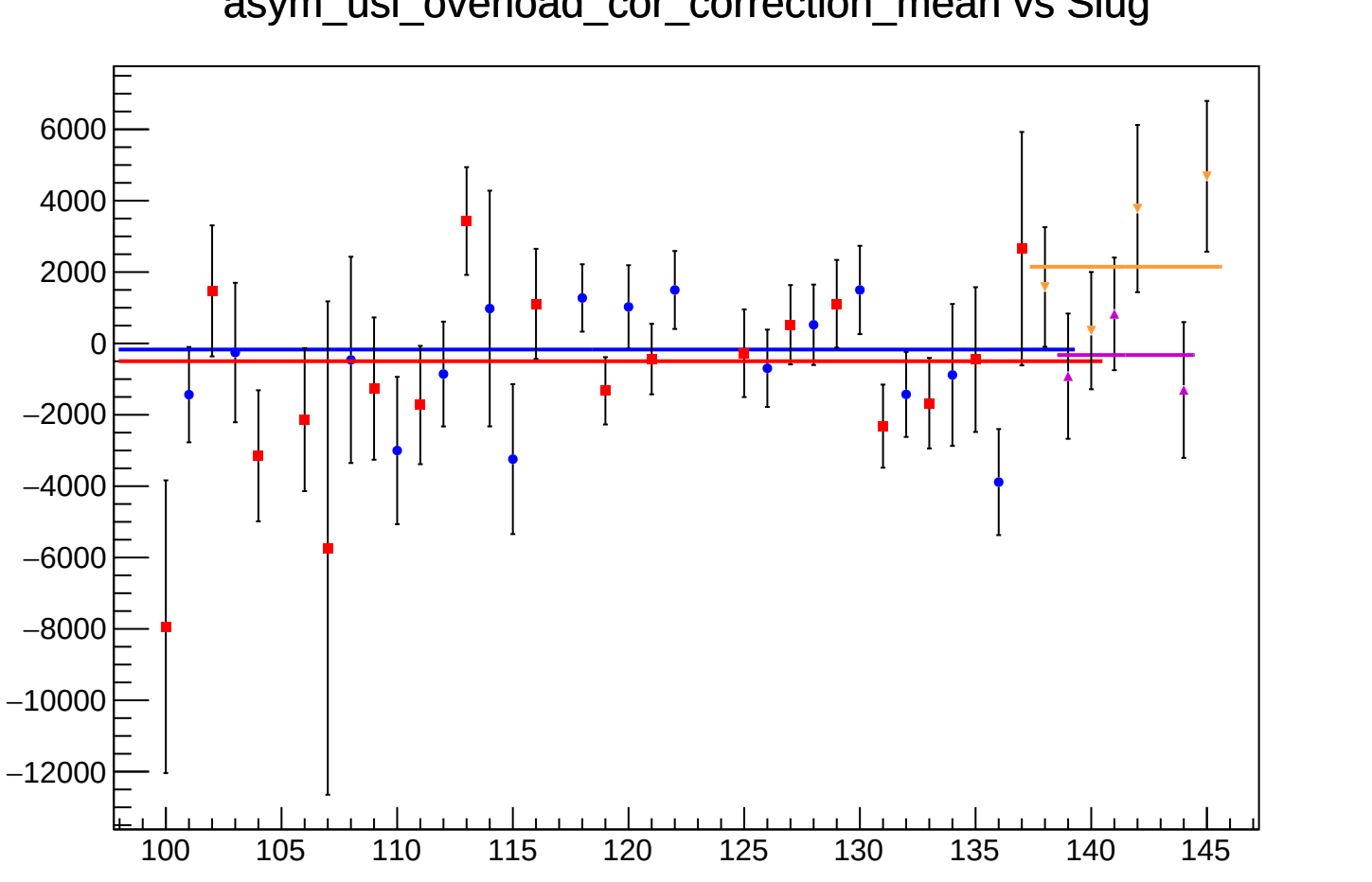
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1118.039+/-0.487 χ^2/NDF:299.4/2

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

All: 1108.748+/-0.175 χ^2/NDF: 21078.2/40

- sign 1111.818+/-0.249 χ^2/NDF: 8192.8/20


asym_usl_overload_cor_correction_mean vs Slug
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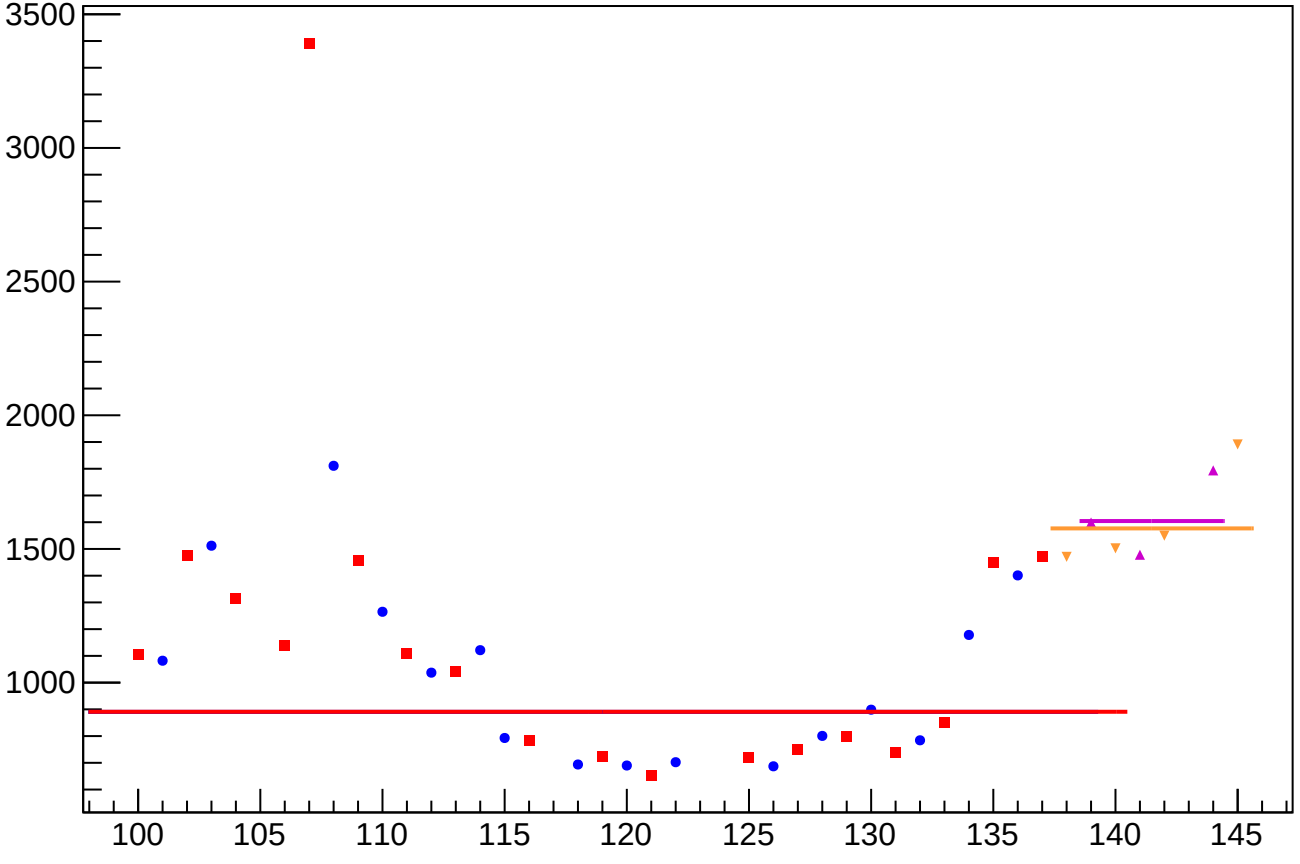
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
145
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: 2148.747+/-939.742 χ²/NDF:3.2/3
Right Out: -497.957+/-345.565 χ²/NDF: 23.9/17
Left In: -324.857+/-998.852 χ²/NDF:0.9/2
+ sign 105.961+/-324.675 χ²/NDF: 29.5/19
All: -185.040+/-230.248 χ²/NDF: 56.0/40
- sign -479.453+/-326.574 χ²/NDF: 24.9/20

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

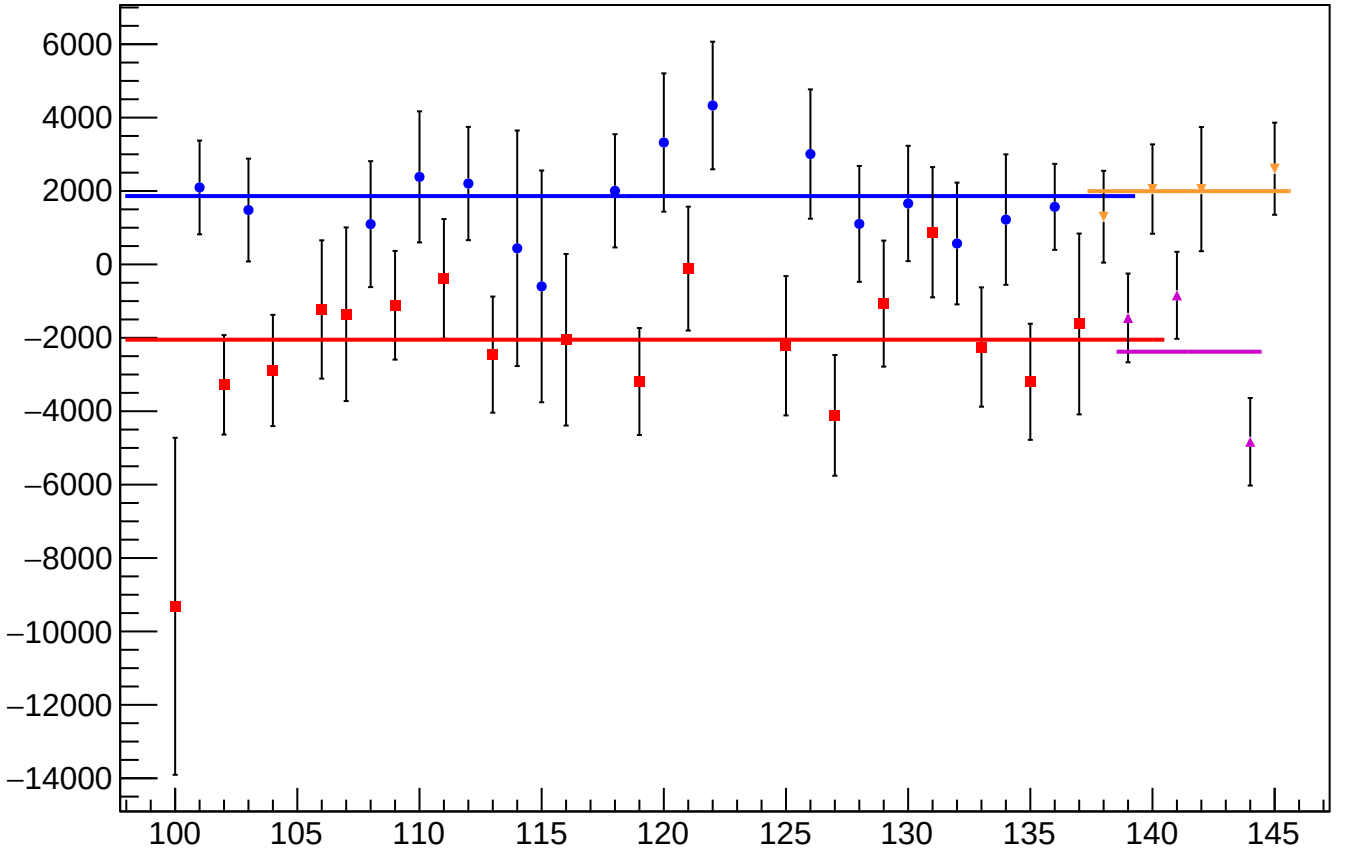
Left In: 1604.361+/-0.706 χ^2/NDF:32605.3/2

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

All: 969.826+/-0.163 χ^2/NDF: 4410778.9/40

- sign 967.200+/-0.231 χ^2/NDF: 2285631.3/20

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

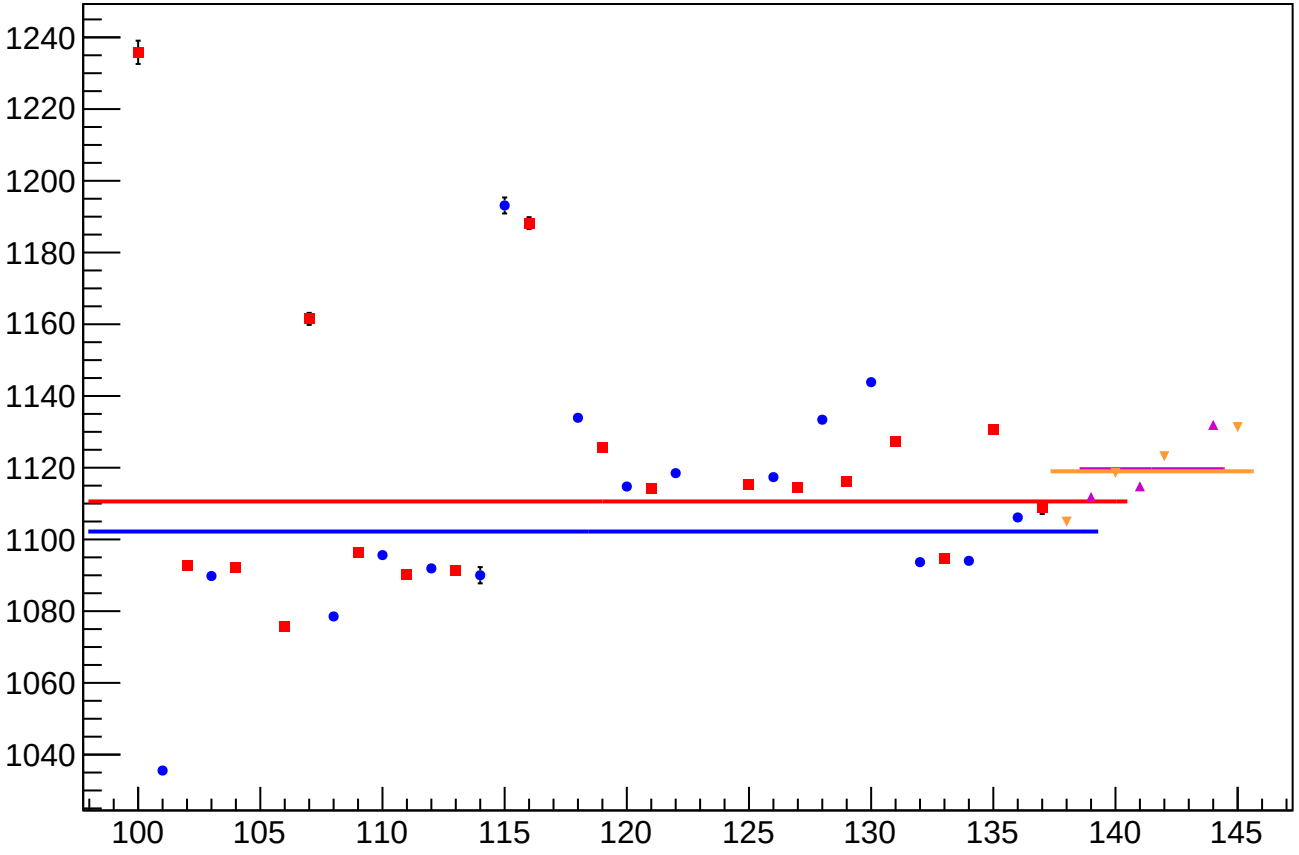
Left In: -2378.509+/-690.170 χ^2/NDF:6.5/2

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

All: -95.008+/-247.457 χ^2/NDF: 91.6/40

- sign -2136.082+/-352.015 χ^2/NDF: 19.2/20

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

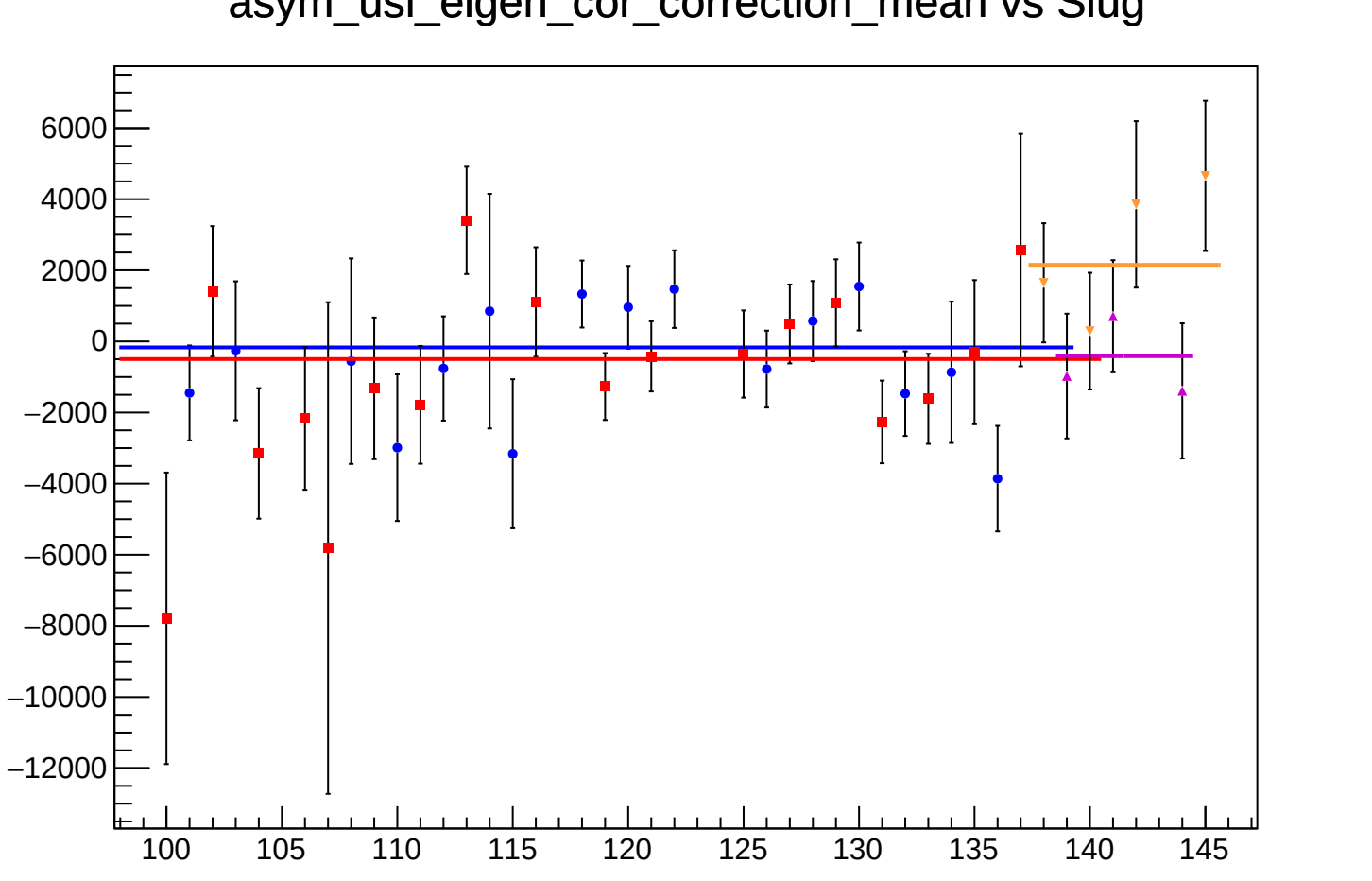
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1119.581+/-0.488 χ^2/NDF:329.2/2

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

All: 1109.868+/-0.175 χ^2/NDF: 21317.1/40

- sign 1112.930+/-0.249 χ^2/NDF: 8276.3/20



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

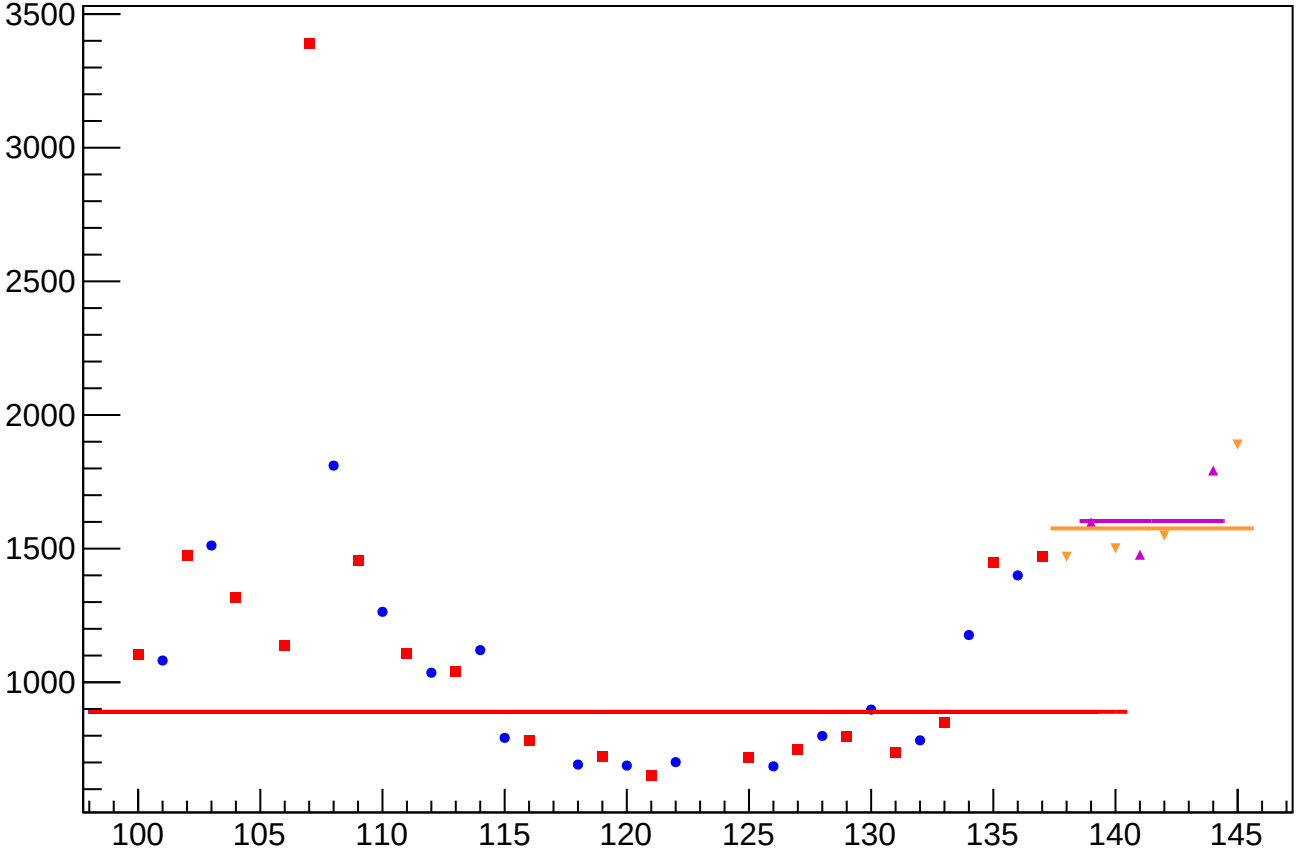
Left In: -415.055+/-998.218 χ^2/NDF:0.9/2

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

All: -187.141+/-229.921 χ^2/NDF: 55.6/40

- sign -486.621+/-326.120 χ^2/NDF: 24.2/20

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

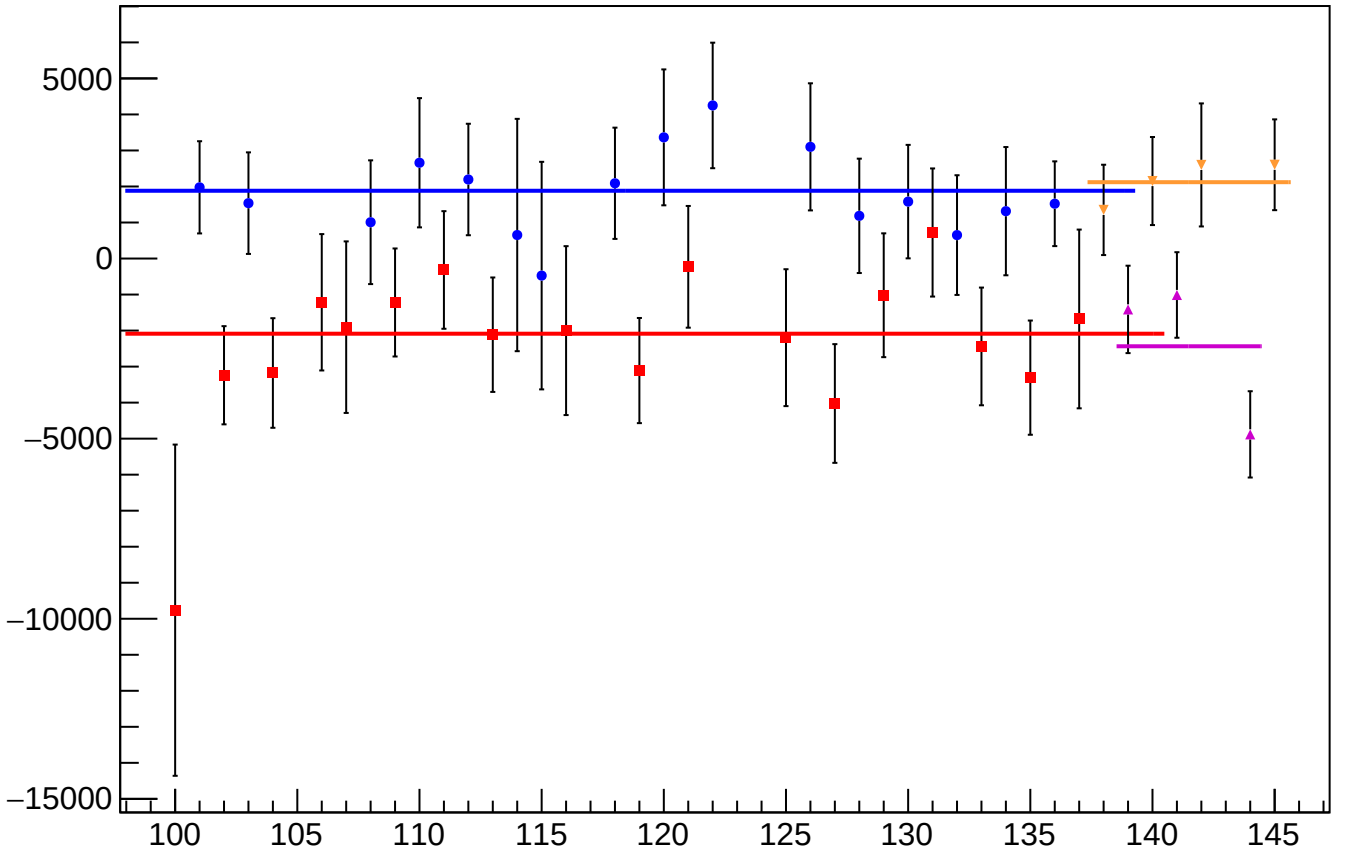
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1603.332+/-0.706 χ^2/NDF:32585.6/2

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

All: 968.256+/-0.163 χ^2/NDF: 4423891.6/40

- sign 965.671+/-0.231 χ^2/NDF: 2291984.8/20



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

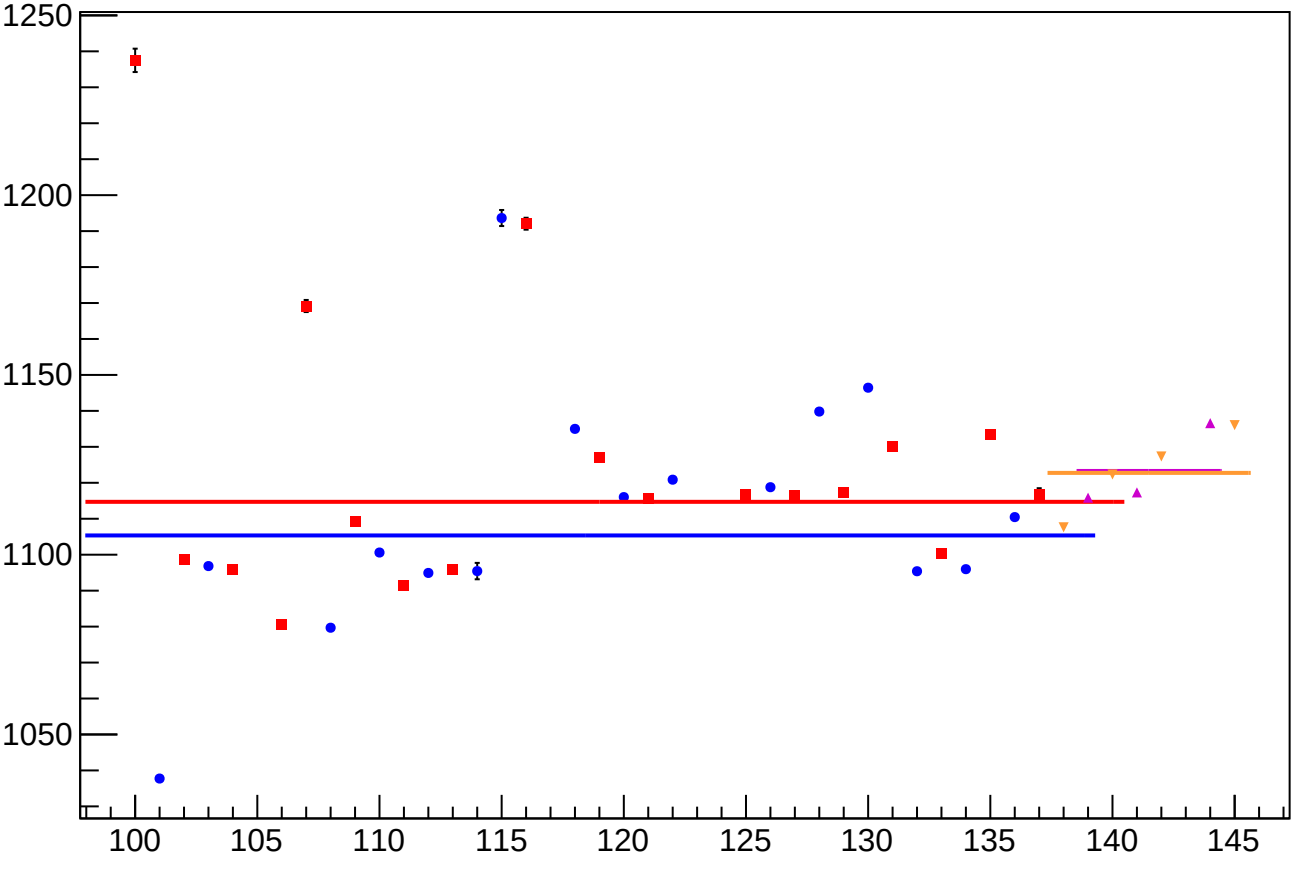
Left In: -2435.604+/-692.514 χ^2/NDF:6.3/2

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

All: -90.174+/-248.316 χ^2/NDF: 93.8/40

- sign -2177.650+/-353.304 χ^2/NDF: 18.9/20

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

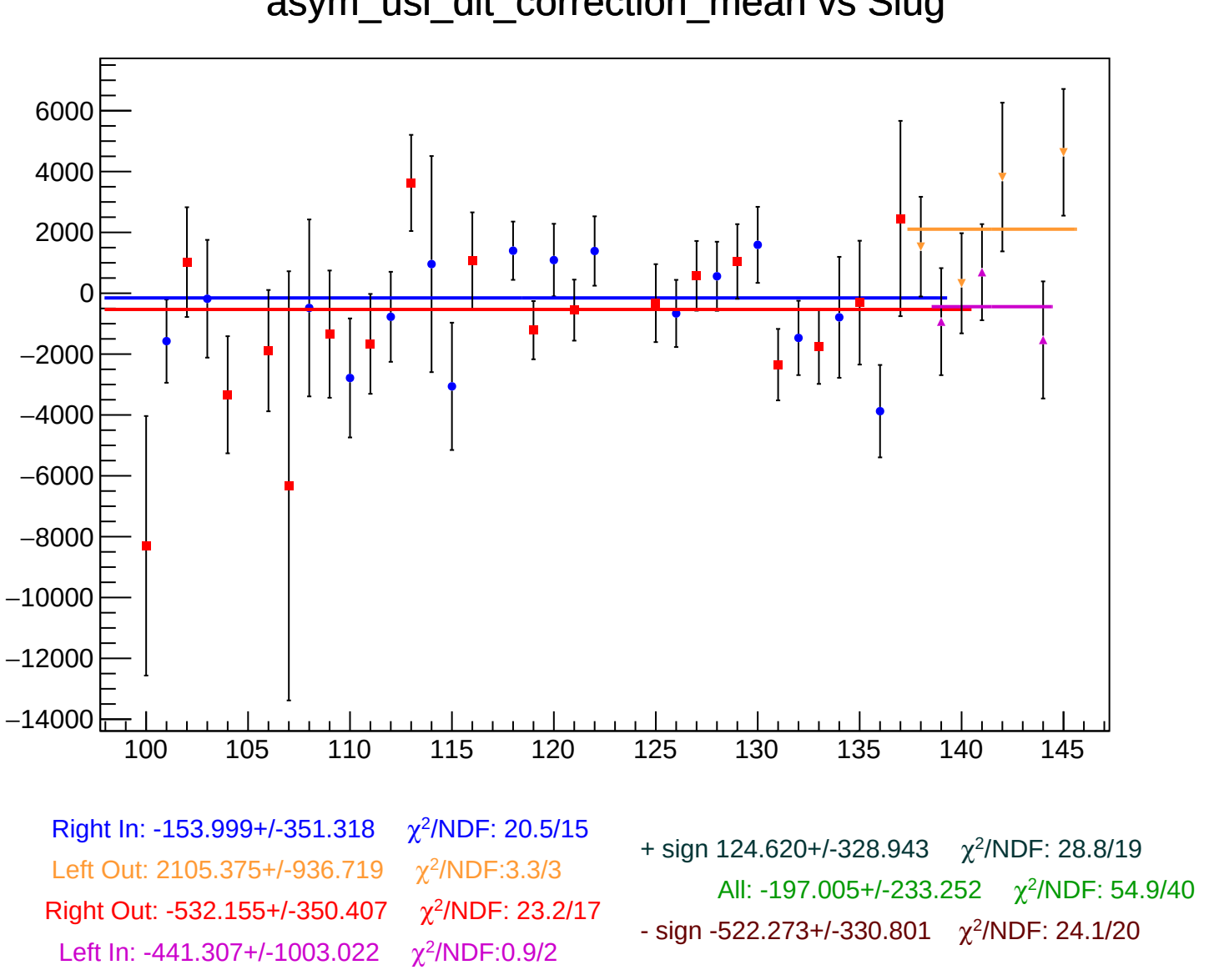
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1123.289+/-0.490 χ^2/NDF:371.9/2

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

All: 1113.522+/-0.176 χ^2/NDF: 21154.9/40

- sign 1116.939+/-0.250 χ^2/NDF: 7929.6/20


asym_usl_dit_correction_mean vs Slug
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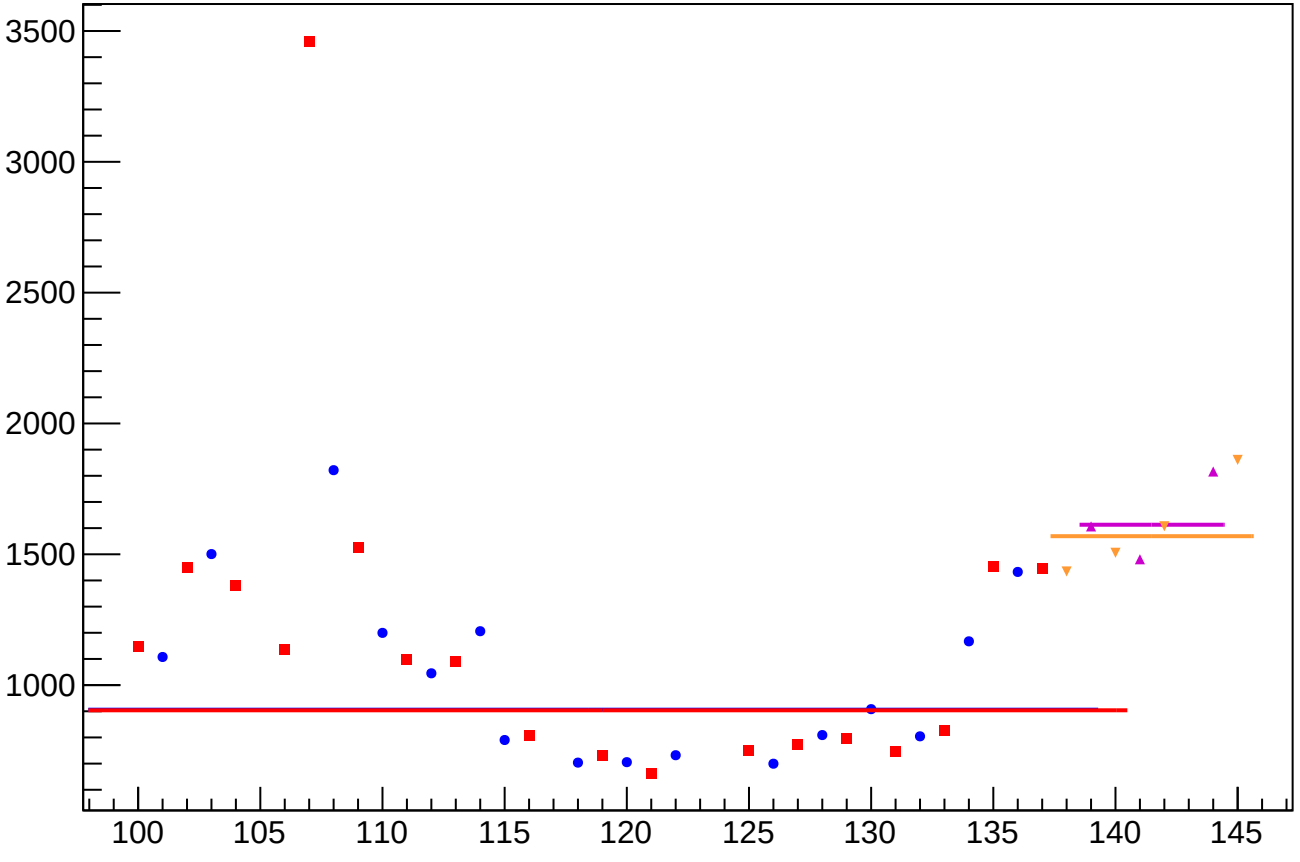
145
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: 2105.375+/-936.719 χ²/NDF:3.3/3
Right Out: -532.155+/-350.407 χ²/NDF: 23.2/17
Left In: -441.307+/-1003.022 χ²/NDF:0.9/2
+ sign 124.620+/-328.943 χ²/NDF: 28.8/19
All: -197.005+/-233.252 χ²/NDF: 54.9/40
- sign -522.273+/-330.801 χ²/NDF: 24.1/20

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

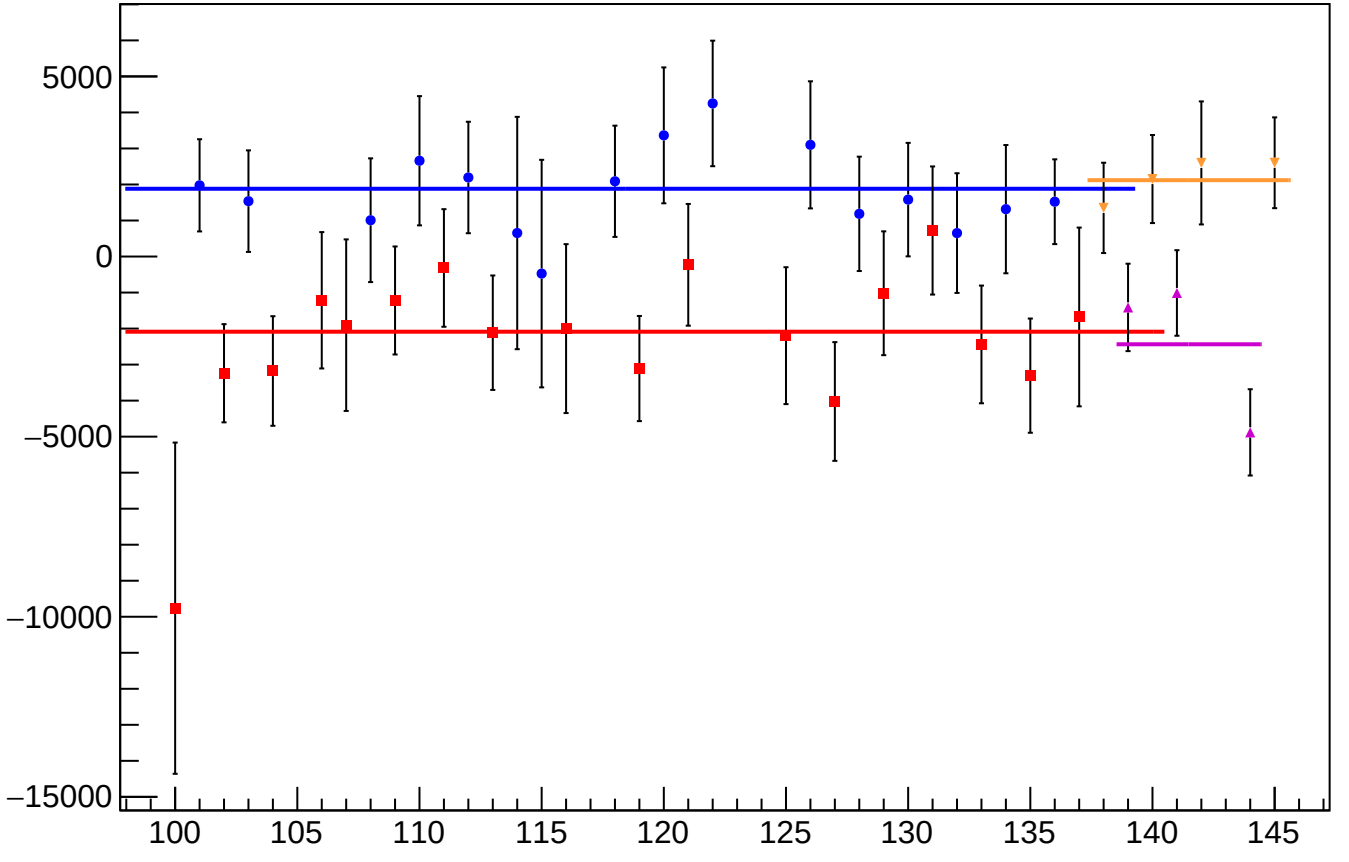
Left In: 1612.947+/-0.709 χ^2/NDF:36321.5/2

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

All: 984.373+/-0.165 χ^2/NDF: 4282300.3/40

- sign 980.893+/-0.234 χ^2/NDF: 2267407.6/20

eigen_dit_asym_usl_mean vs Slug



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

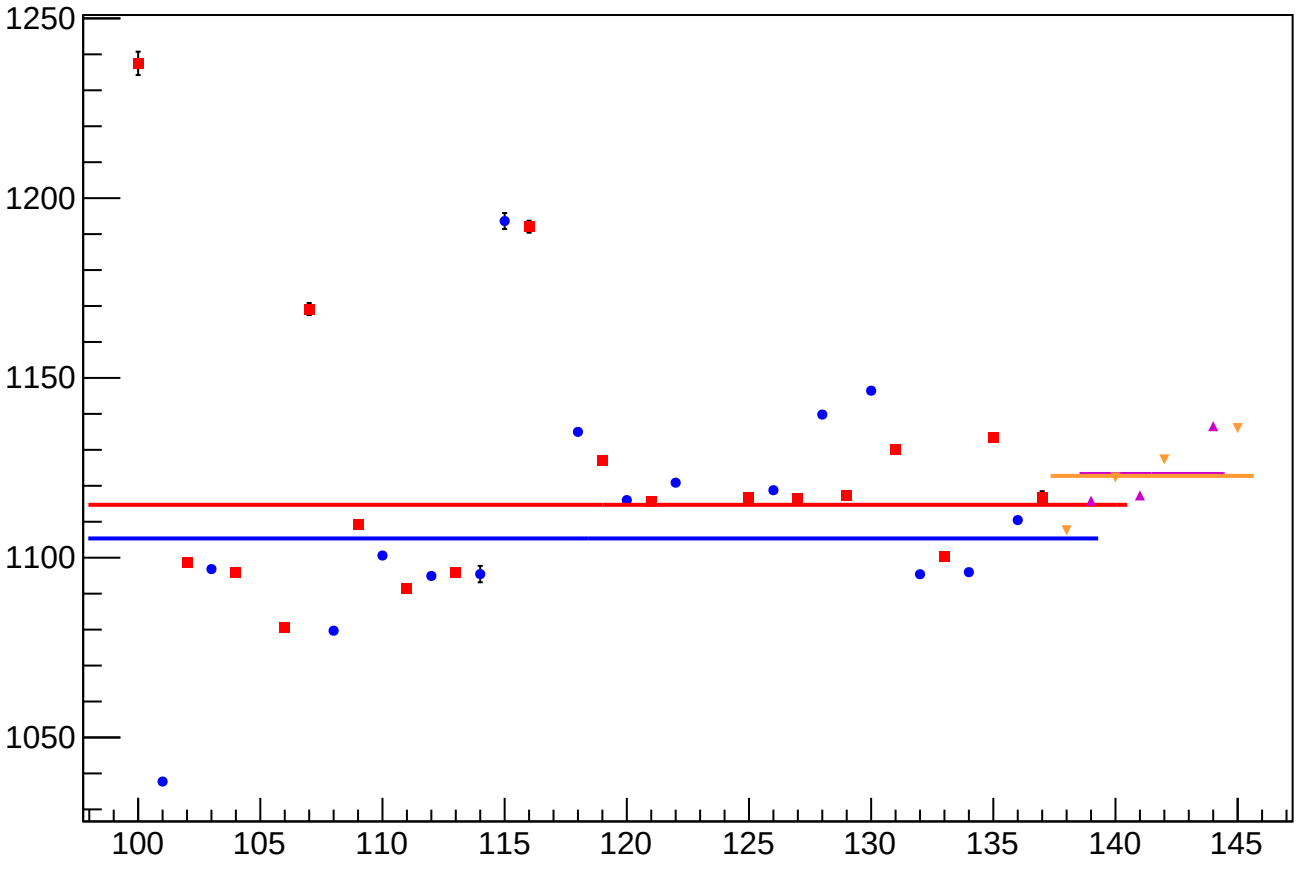
Left In: -2435.605+/-692.514 χ^2/NDF:6.3/2

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

All: -90.173+/-248.316 χ^2/NDF: 93.8/40

- sign -2177.649+/-353.304 χ^2/NDF: 18.9/20

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

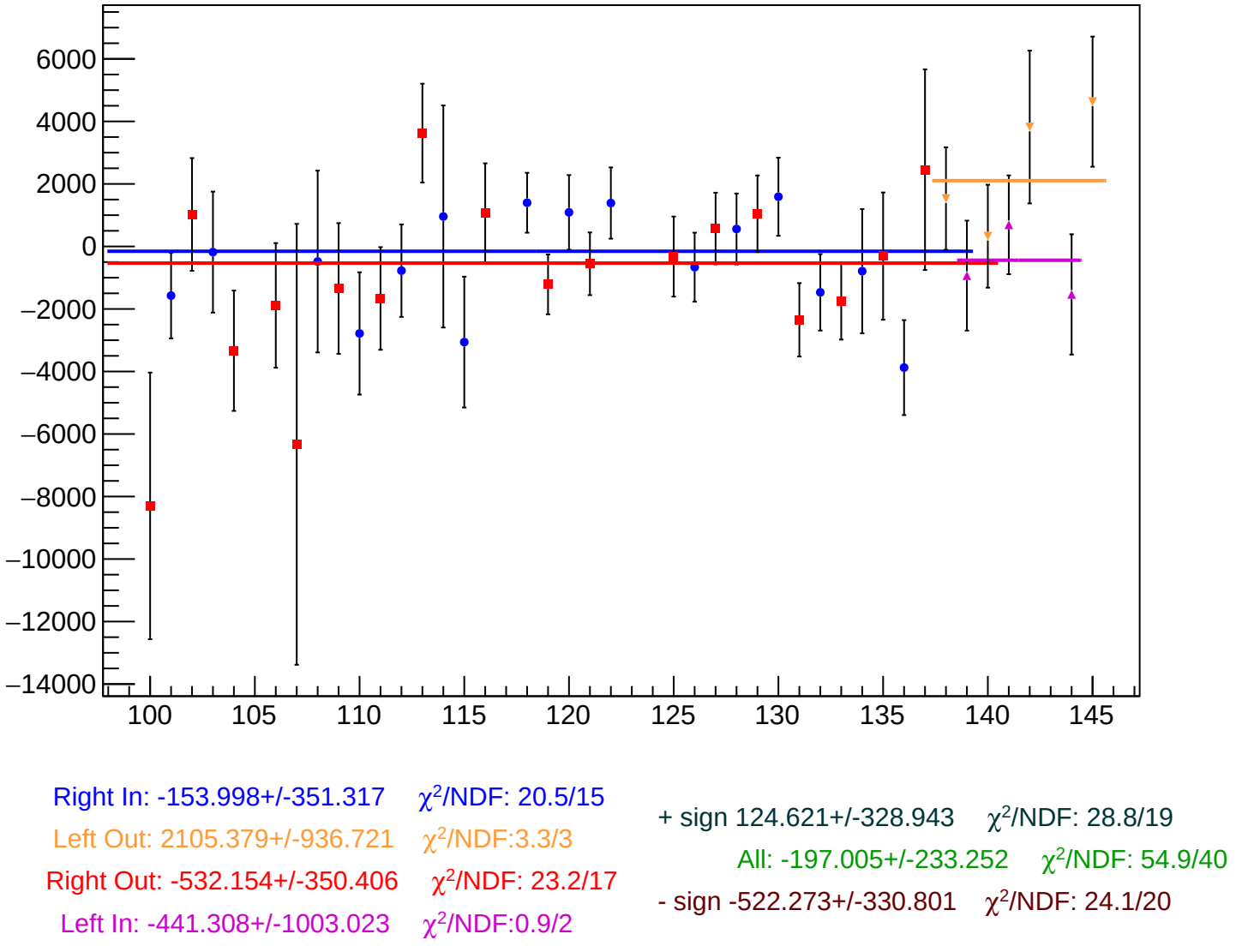
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1123.289+/-0.490 χ^2/NDF:371.9/2

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

All: 1113.521+/-0.176 χ^2/NDF: 21154.9/40

- sign 1116.939+/-0.250 χ^2/NDF: 7929.5/20


asym_usl_eigen_dit_correction_mean vs Slug
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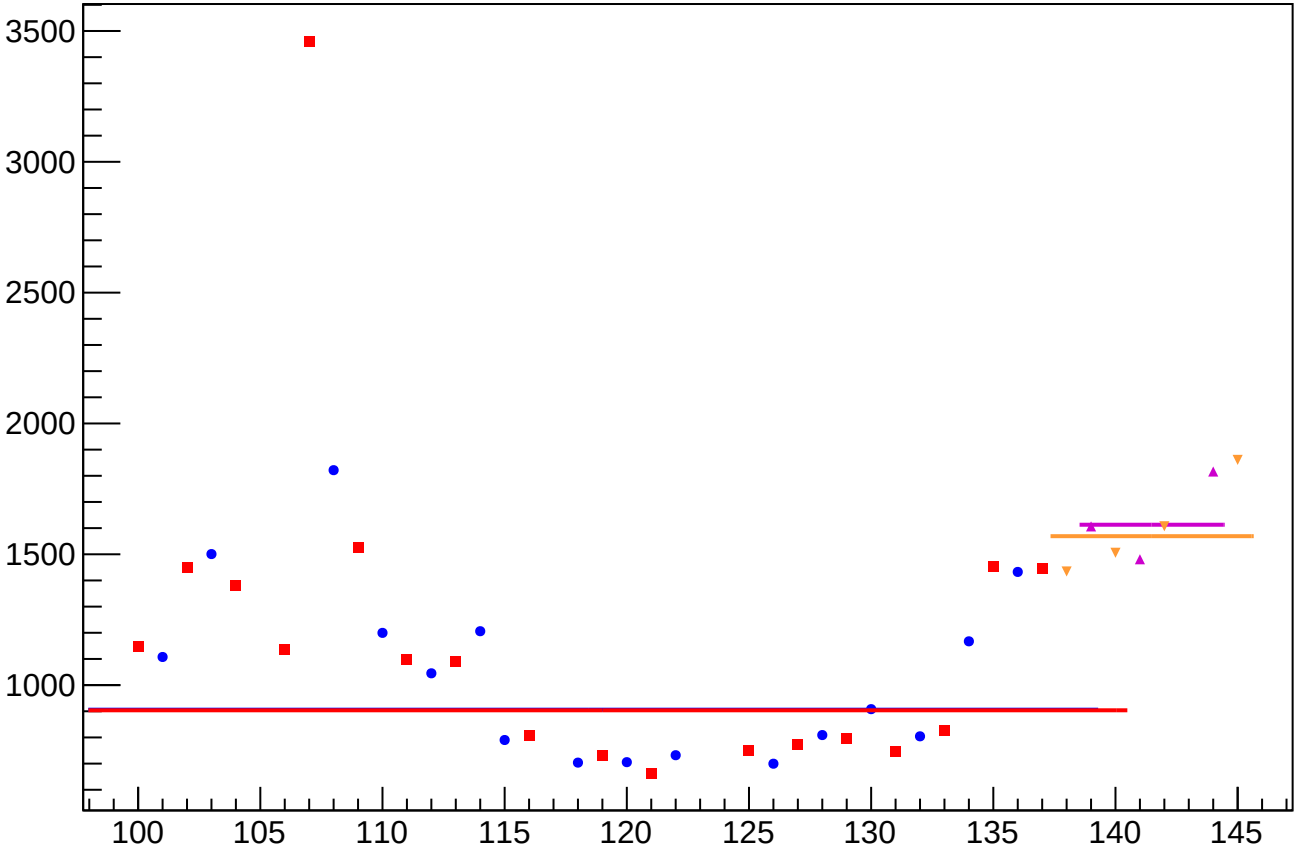
Right In: -153.998+/-351.317 χ²/NDF: 20.5/15
Left Out: 2105.379+/-936.721 χ²/NDF:3.3/3
Right Out: -532.154+/-350.406 χ²/NDF: 23.2/17
Left In: -441.308+/-1003.023 χ²/NDF:0.9/2
+ sign 124.621+/-328.943 χ²/NDF: 28.8/19
All: -197.005+/-233.252 χ²/NDF: 54.9/40
- sign -522.273+/-330.801 χ²/NDF: 24.1/20

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

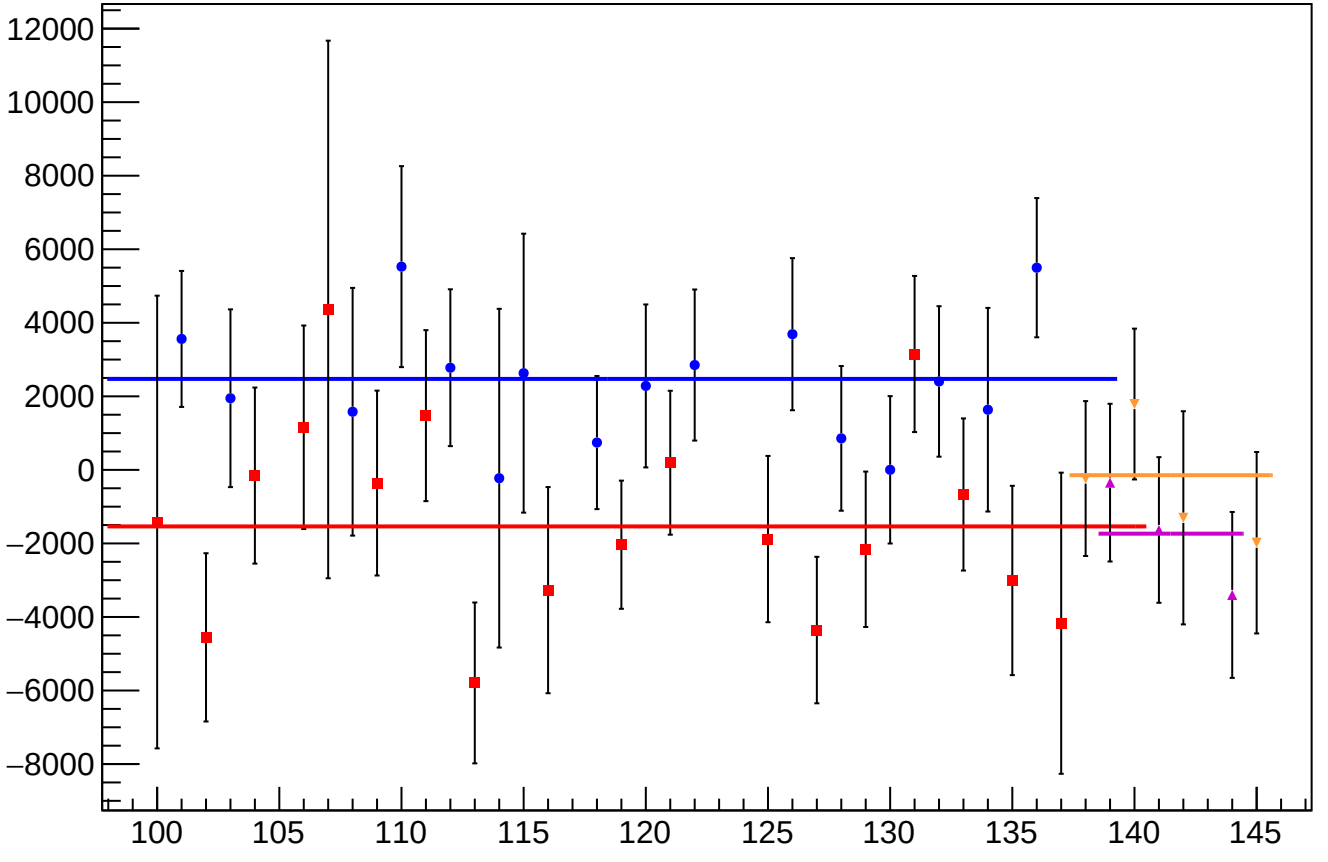
Left In: 1612.949+/-0.709 χ^2/NDF:36321.6/2

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

All: 984.371+/-0.165 χ^2/NDF: 4282325.9/40

- sign 980.891+/-0.234 χ^2/NDF: 2267419.5/20

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

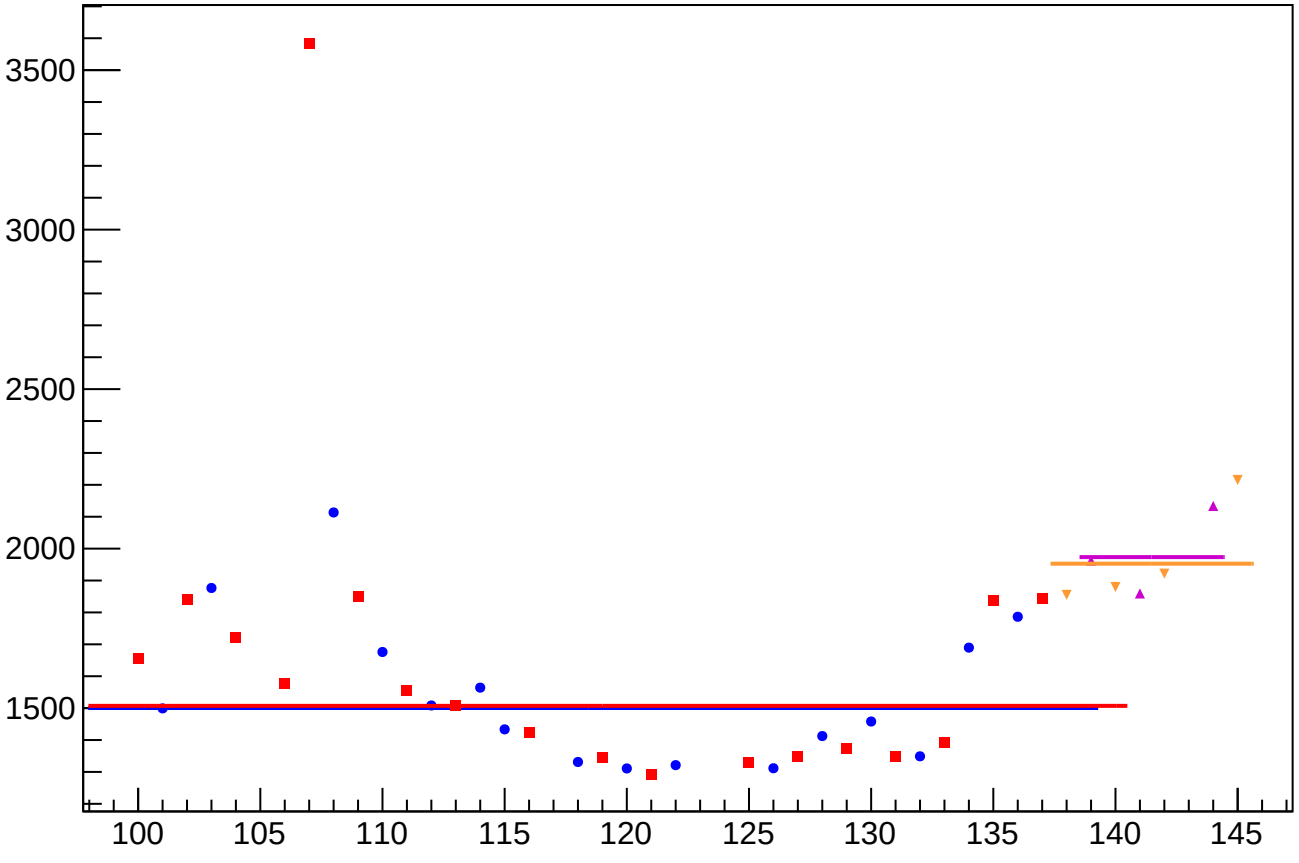
Left In: -1734.395+/-1222.718 χ^2/NDF:1.0/2

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

All: 220.426+/-359.881 χ^2/NDF: 57.7/40

- sign -1571.945+/-511.810 χ^2/NDF: 19.5/20

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

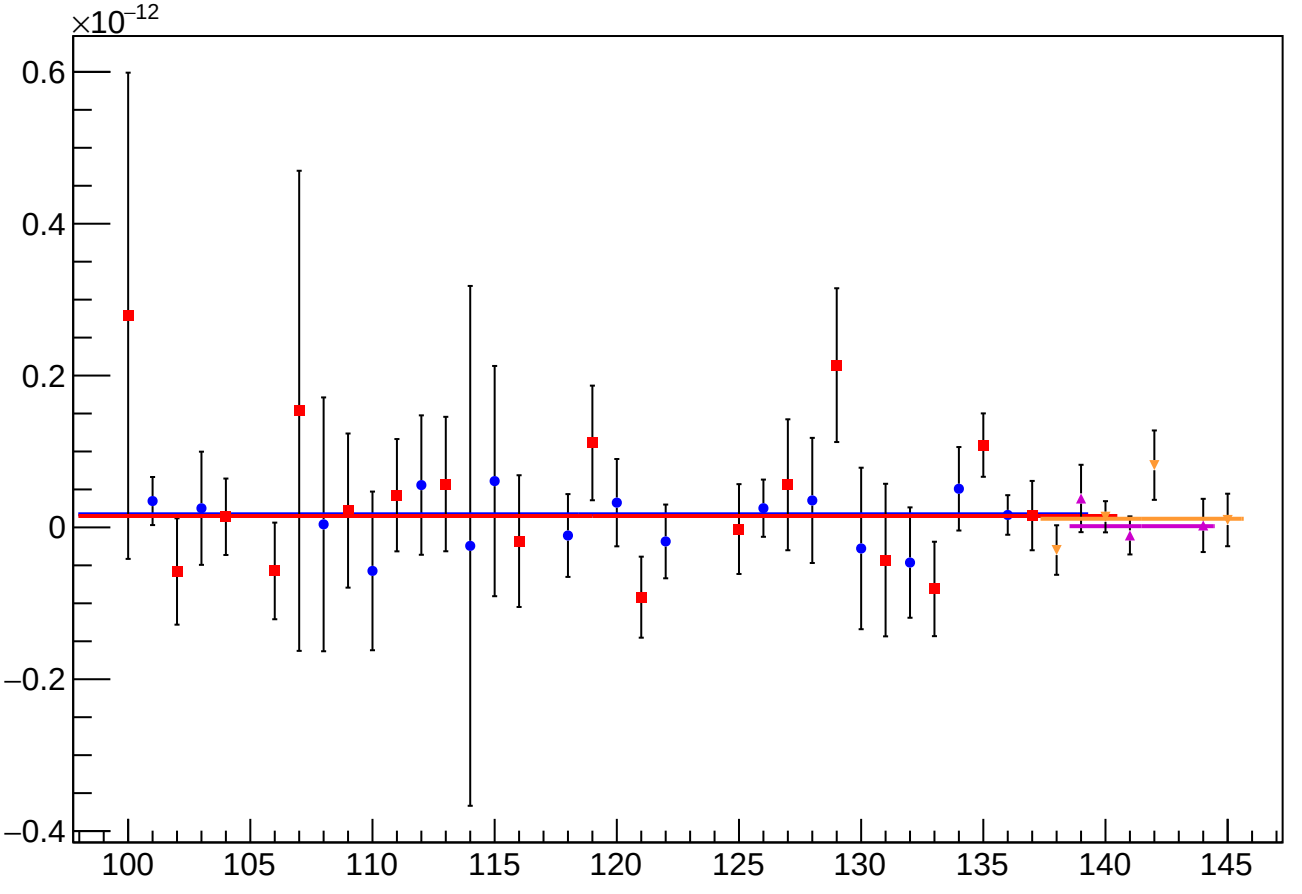
Left In: 1973.433+/-0.865 χ^2/NDF:16779.6/2

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

All: 1587.836+/-0.254 χ^2/NDF: 1193608.8/40

- sign 1588.805+/-0.362 χ^2/NDF: 657954.3/20

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

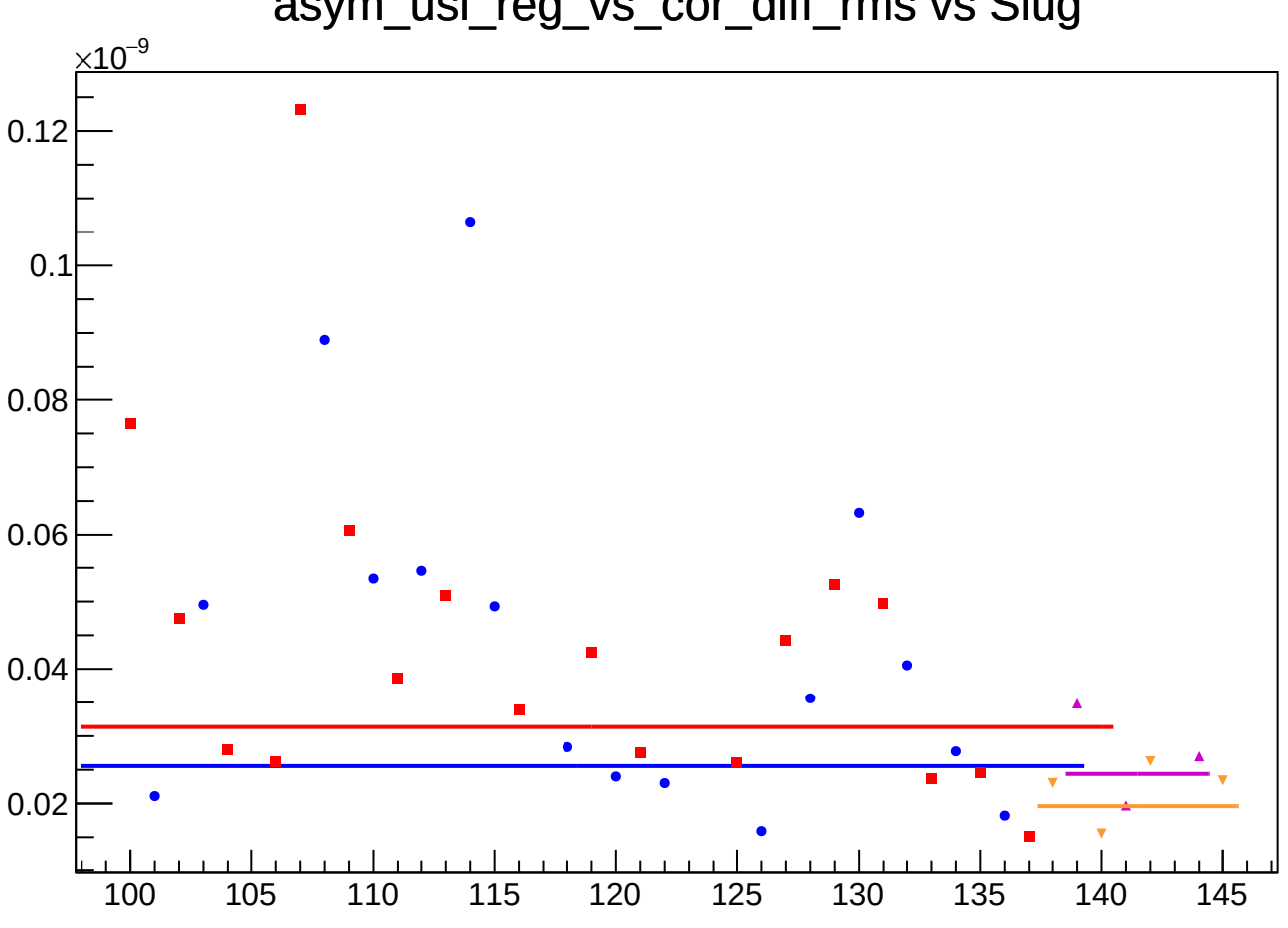
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 7.5/19

All: 0.000+/-0.000 χ^2/NDF: 30.1/40

- sign 0.000+/-0.000 χ^2/NDF: 22.5/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:167325.3/3

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

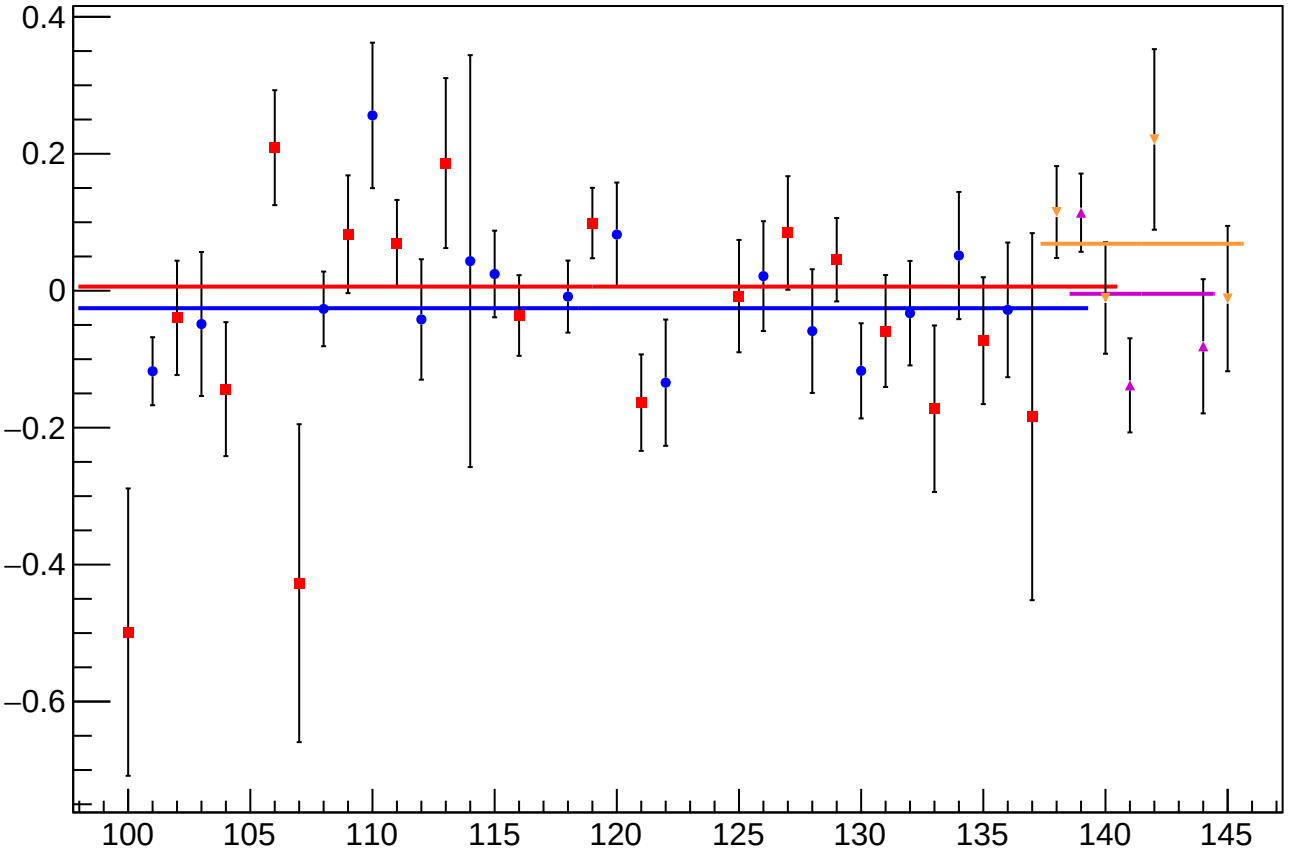
Left In: 0.000+/-0.000 χ^2/NDF:192156.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 2052563.1/19

All: 0.000+/-0.000 χ^2/NDF: 3881843.5/40

- sign 0.000+/-0.000 χ^2/NDF: 1581202.6/20

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

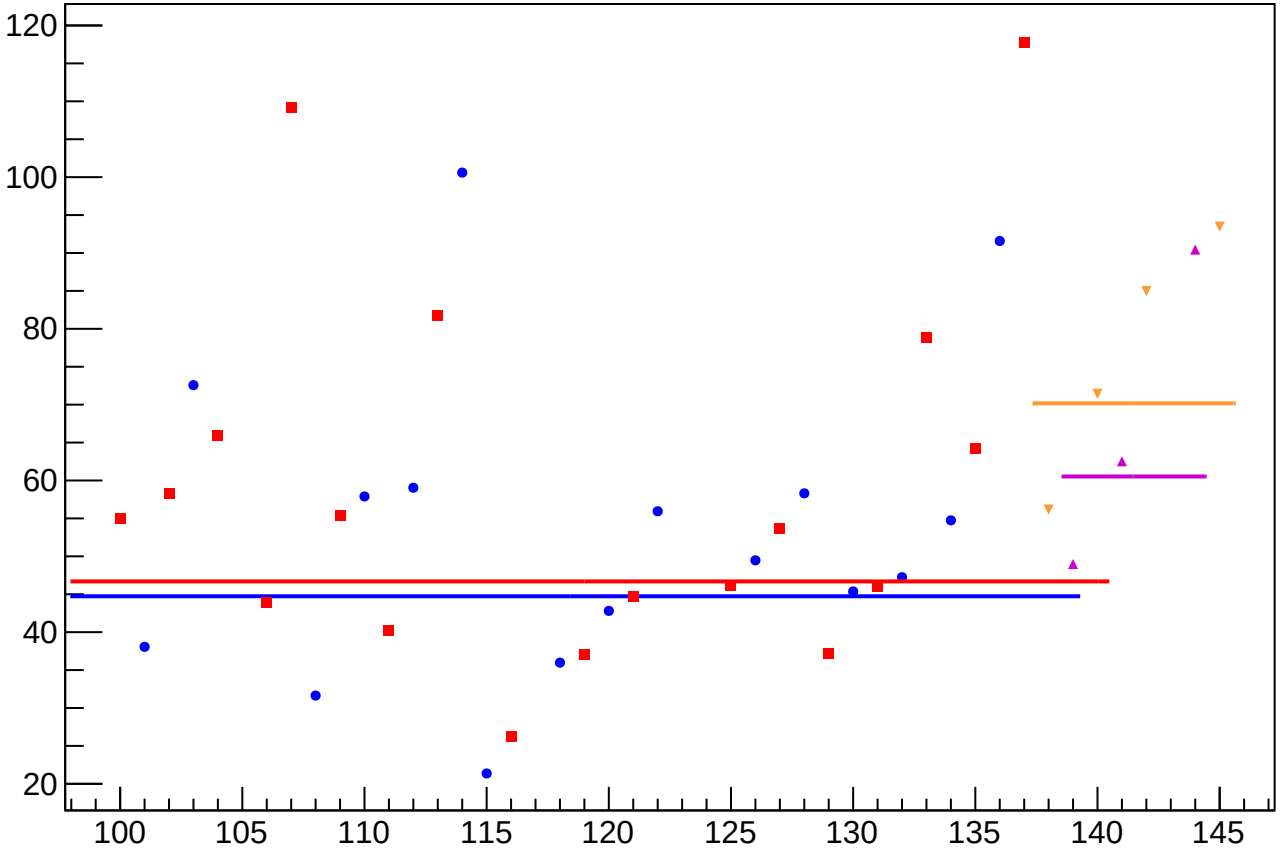
Left In: -0.004+/-0.040 χ^2/NDF:8.7/2

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

All: -0.004+/-0.012 χ^2/NDF: 70.5/40

- sign 0.004+/-0.017 χ^2/NDF: 45.3/20

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

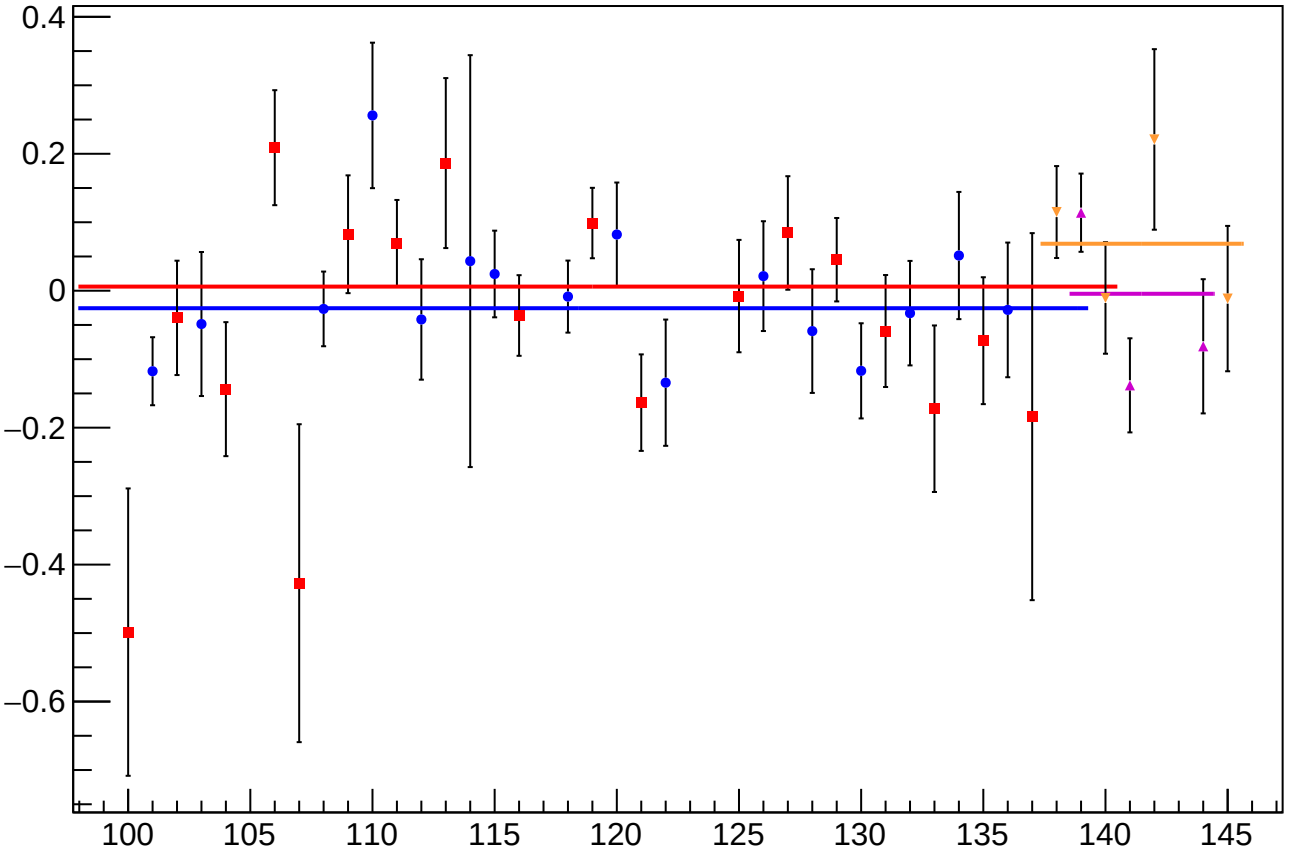
Left In: 60.528+/-0.028 χ^2/NDF:269825.5/2

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

All: 48.986+/-0.009 χ^2/NDF: 3771371.7/40

- sign 49.315+/-0.012 χ^2/NDF: 1658451.9/20

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

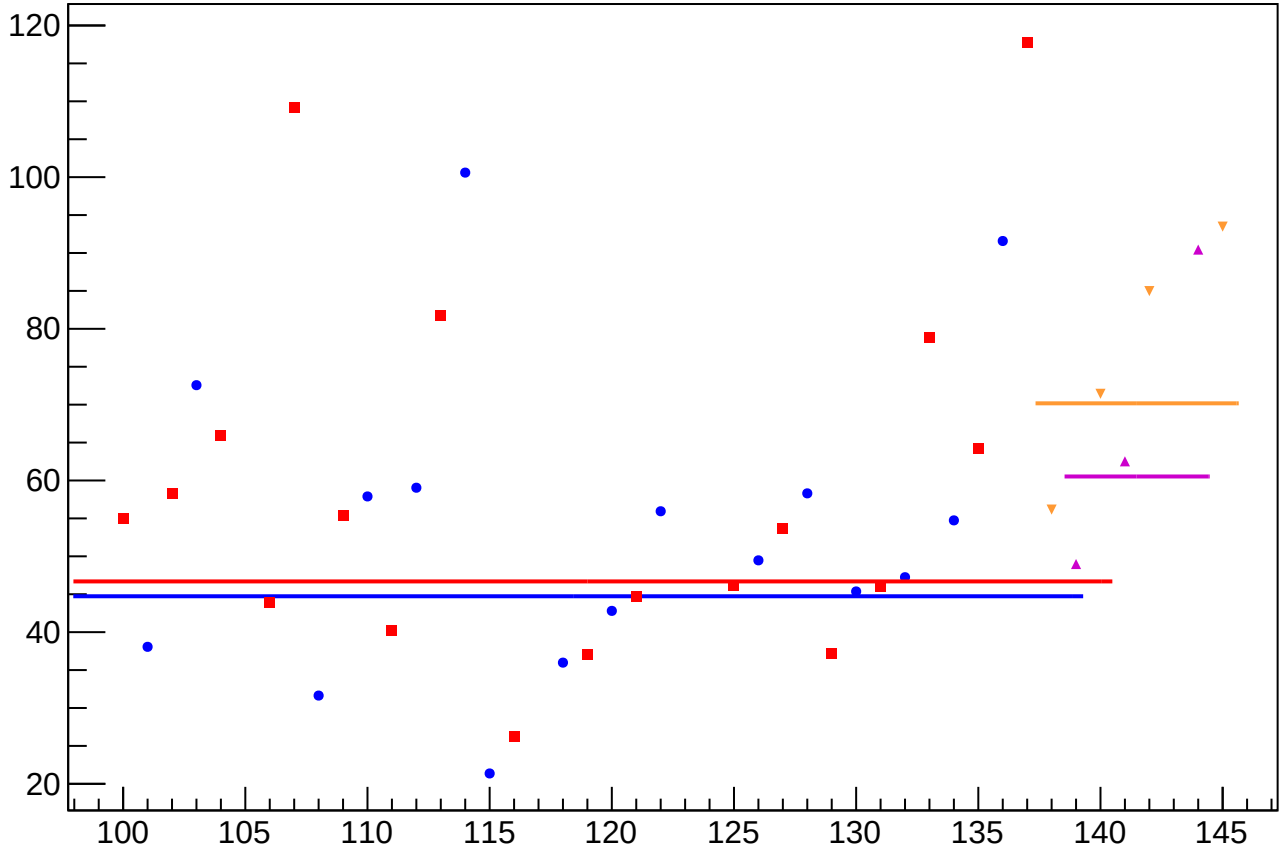
Left In: -0.004+/-0.040 χ^2/NDF:8.7/2

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

All: -0.004+/-0.012 χ^2/NDF: 70.5/40

- sign 0.004+/-0.017 χ^2/NDF: 45.3/20

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

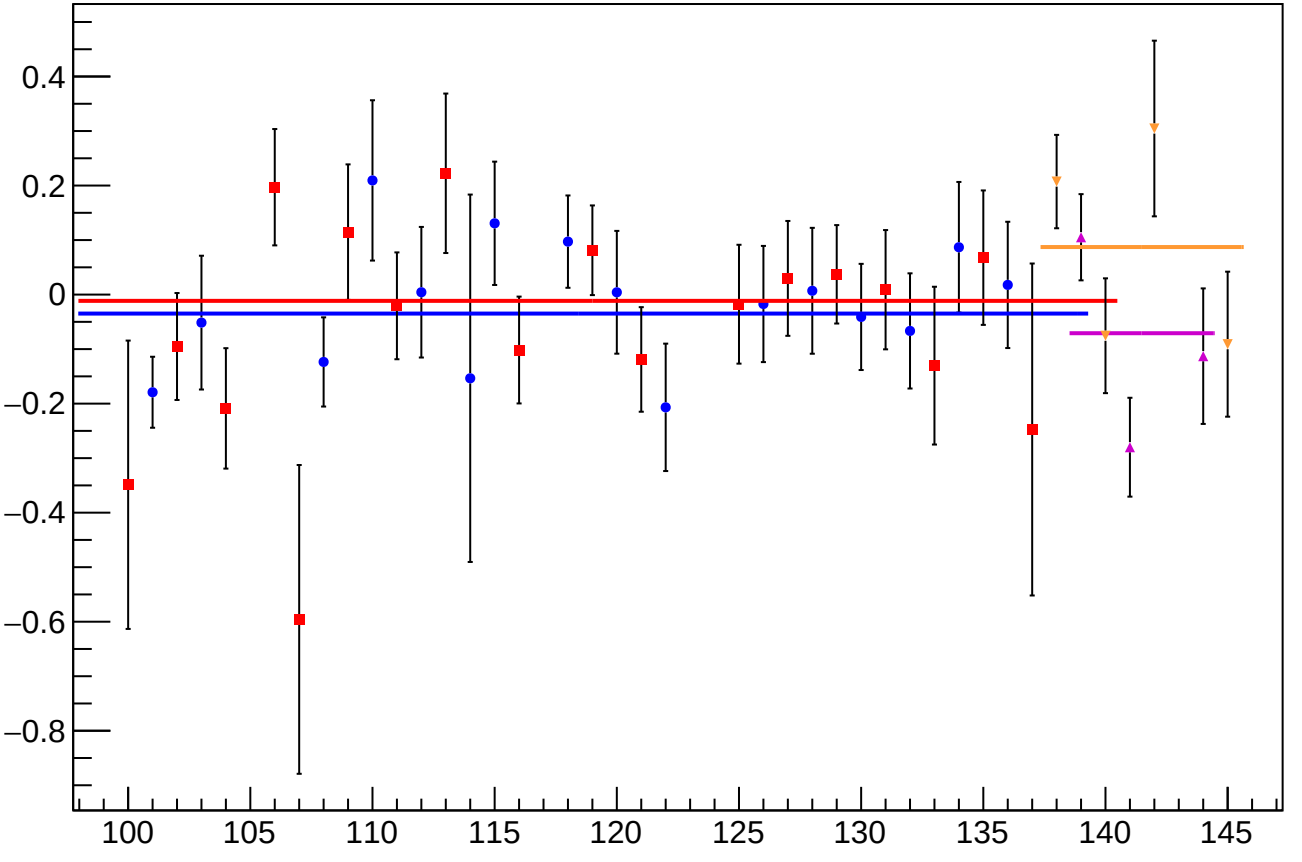
Left In: 60.528+/-0.028 χ^2/NDF:269825.5/2

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

All: 48.986+/-0.009 χ^2/NDF: 3771371.7/40

- sign 49.315+/-0.012 χ^2/NDF: 1658451.9/20

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

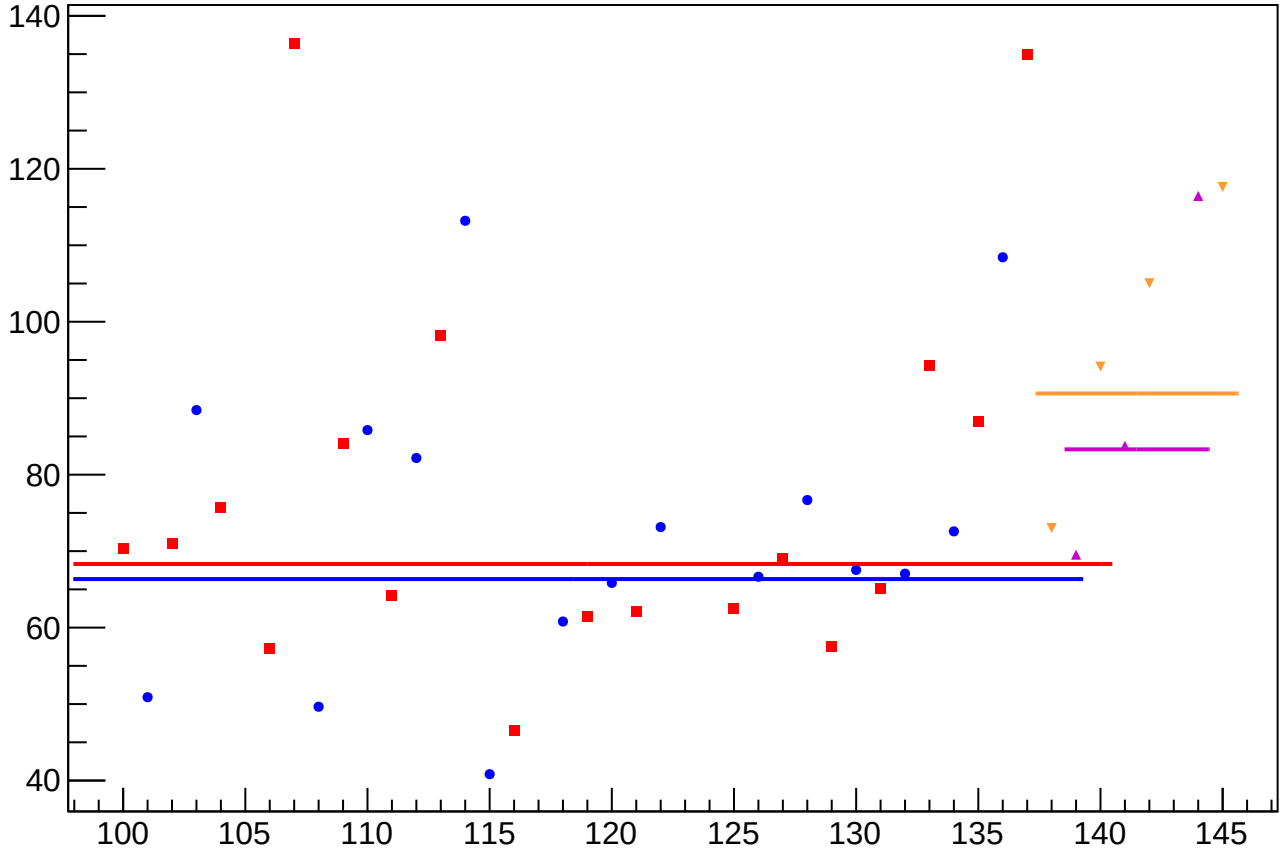
Left In: -0.071+/-0.054 χ^2/NDF:10.4/2

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

All: -0.018+/-0.017 χ^2/NDF: 63.6/40

- sign -0.023+/-0.024 χ^2/NDF: 34.1/20

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

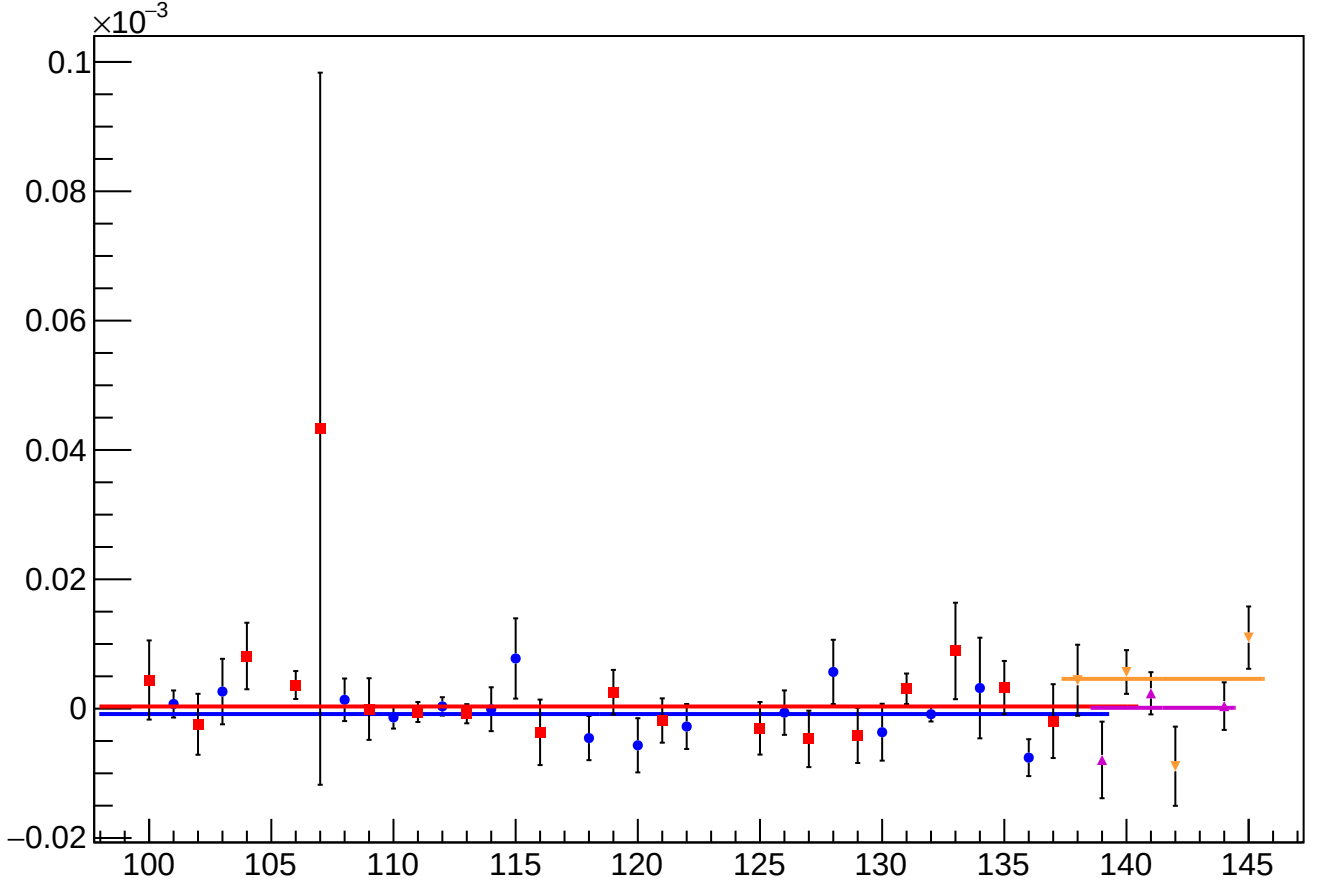
Left In: 83.312+/-0.038 χ^2/NDF:202893.6/2

+ sign 70.756+/-0.017 χ^2/NDF: 1267654.9/19

All: 71.038+/-0.012 χ^2/NDF: 2225219.2/40

- sign 71.326+/-0.017 χ^2/NDF: 956997.0/20

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

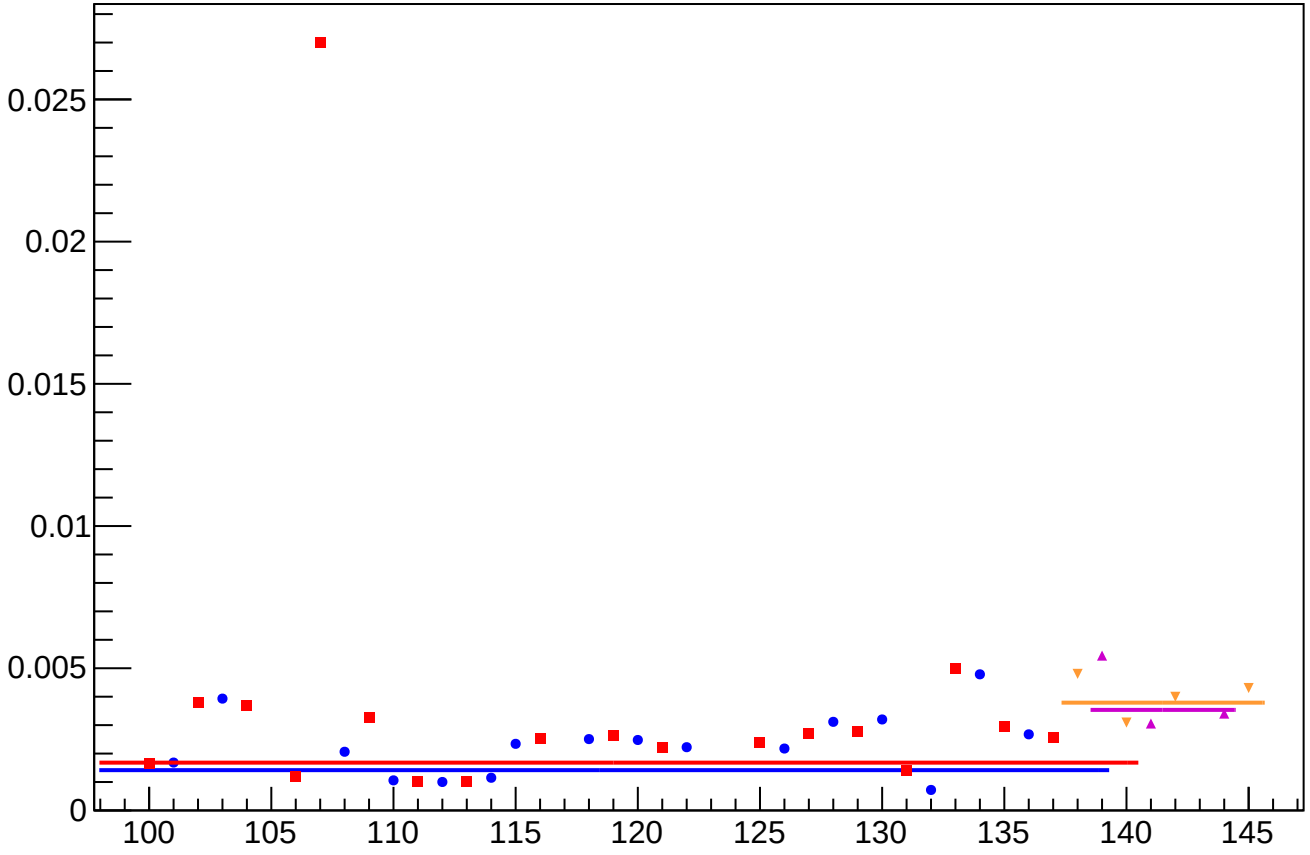
Left In: 0.000+/-0.000 χ^2/NDF:2.3/2

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/19

All: -0.000+/-0.000 χ^2/NDF: 44.9/40

- sign 0.000+/-0.000 χ^2/NDF: 17.1/20

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

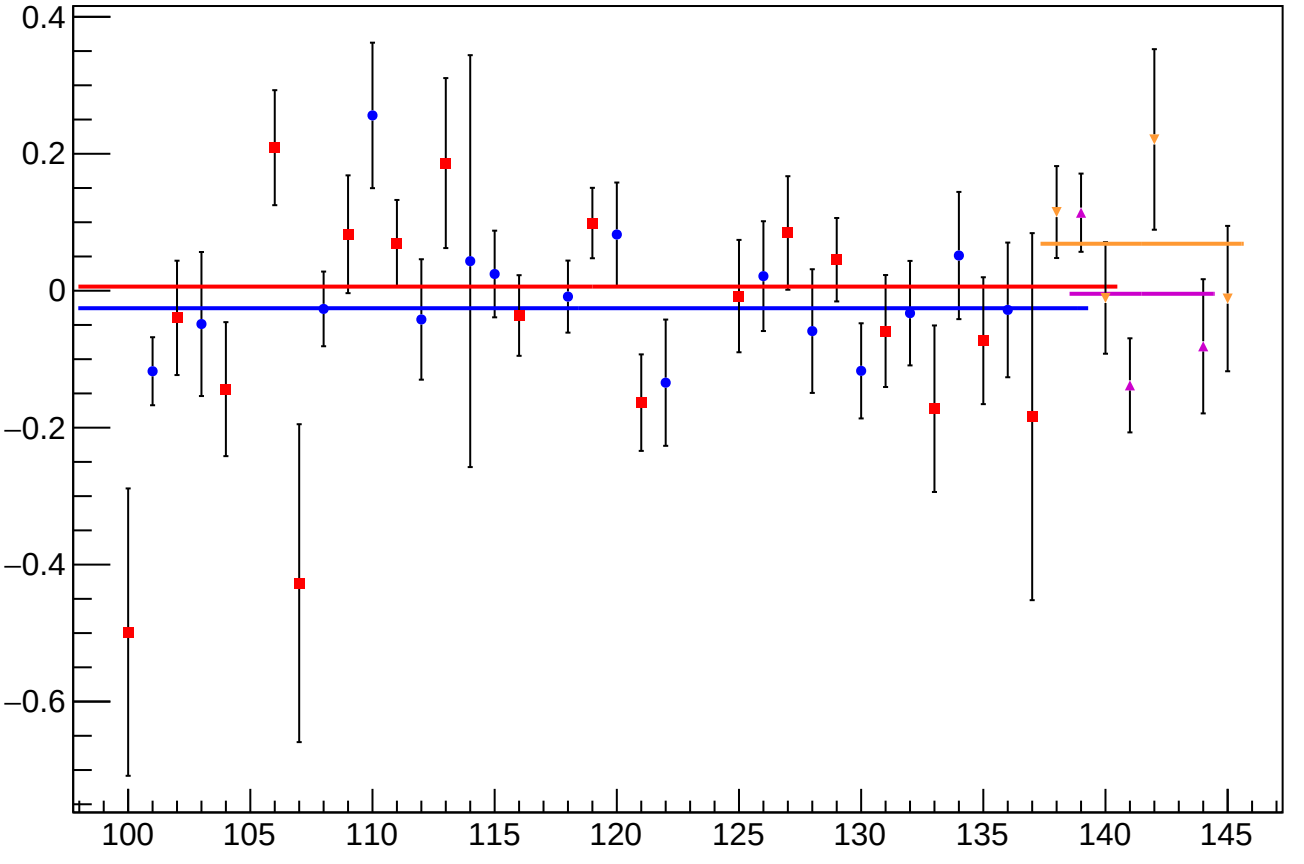
Left In: 0.004+/-0.000 χ^2/NDF:253419.3/2

+ sign 0.002+/-0.000 χ^2/NDF: 5725481.3/19

All: 0.002+/-0.000 χ^2/NDF: 10815713.7/40

- sign 0.002+/-0.000 χ^2/NDF: 4904724.3/20

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

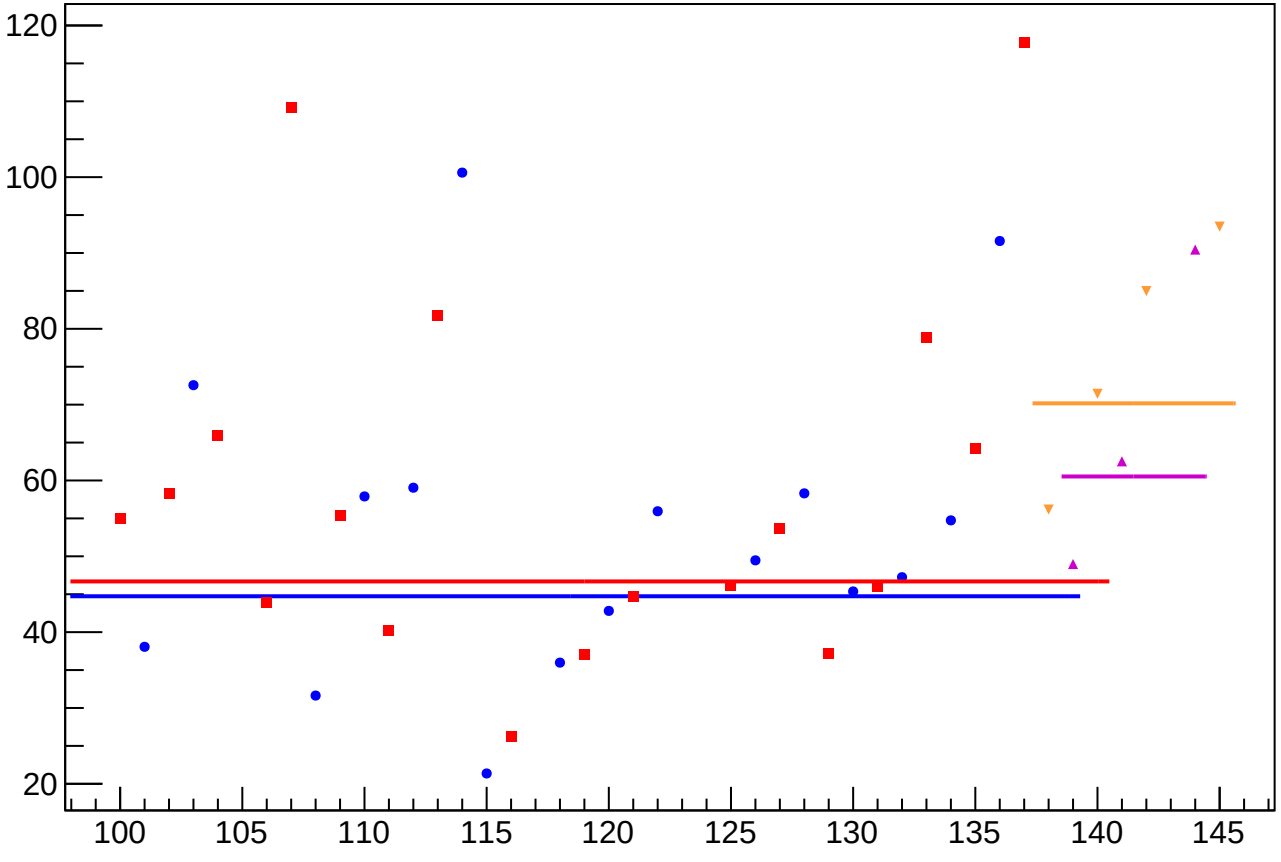
Left In: -0.004+/-0.040 χ^2/NDF:8.7/2

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

All: -0.004+/-0.012 χ^2/NDF: 70.5/40

- sign 0.004+/-0.017 χ^2/NDF: 45.3/20

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

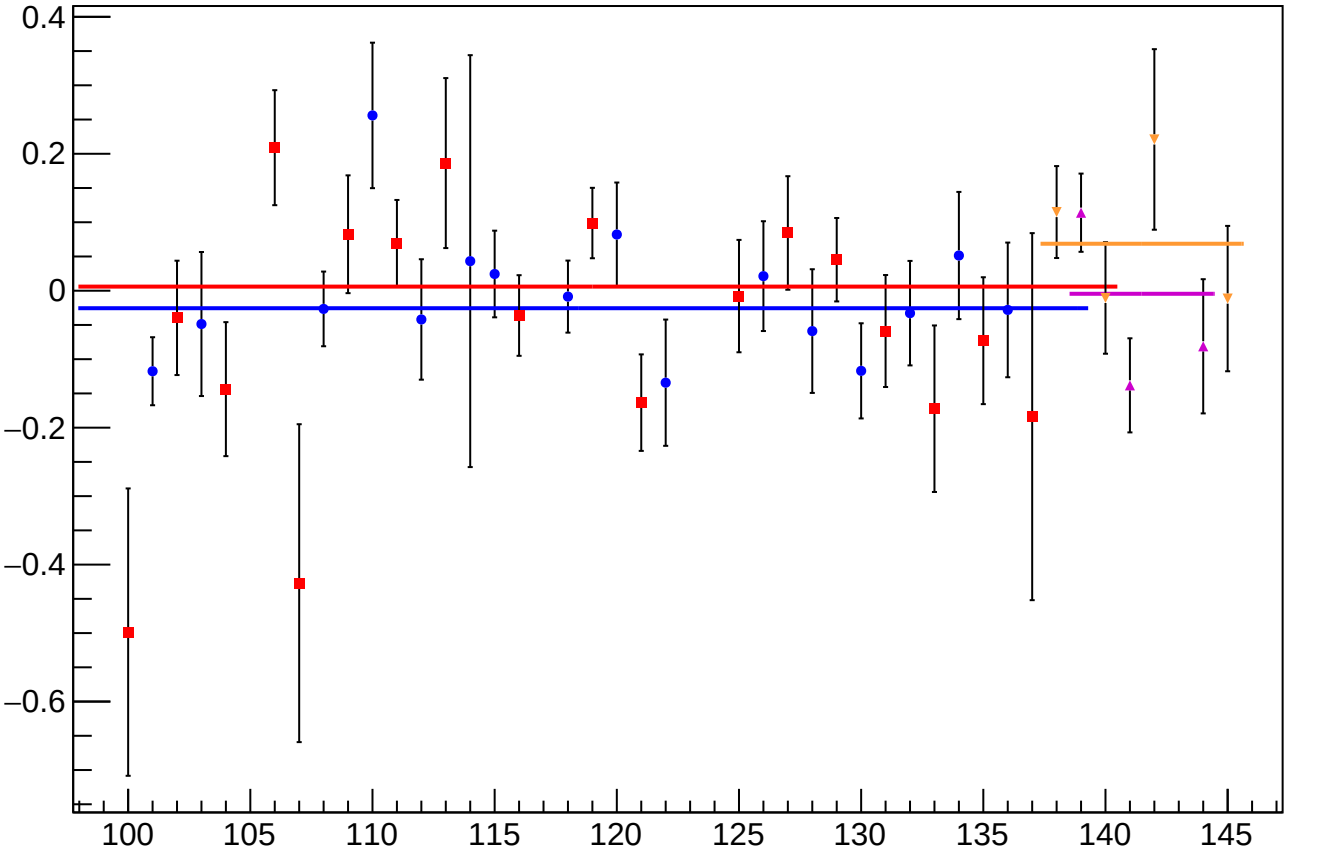
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 60.528+/-0.028 χ^2/NDF:269810.9/2

+ sign 48.663+/-0.012 χ^2/NDF: 2111603.1/19

All: 48.985+/-0.009 χ^2/NDF: 3771522.4/40

- sign 49.315+/-0.012 χ^2/NDF: 1658508.6/20



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

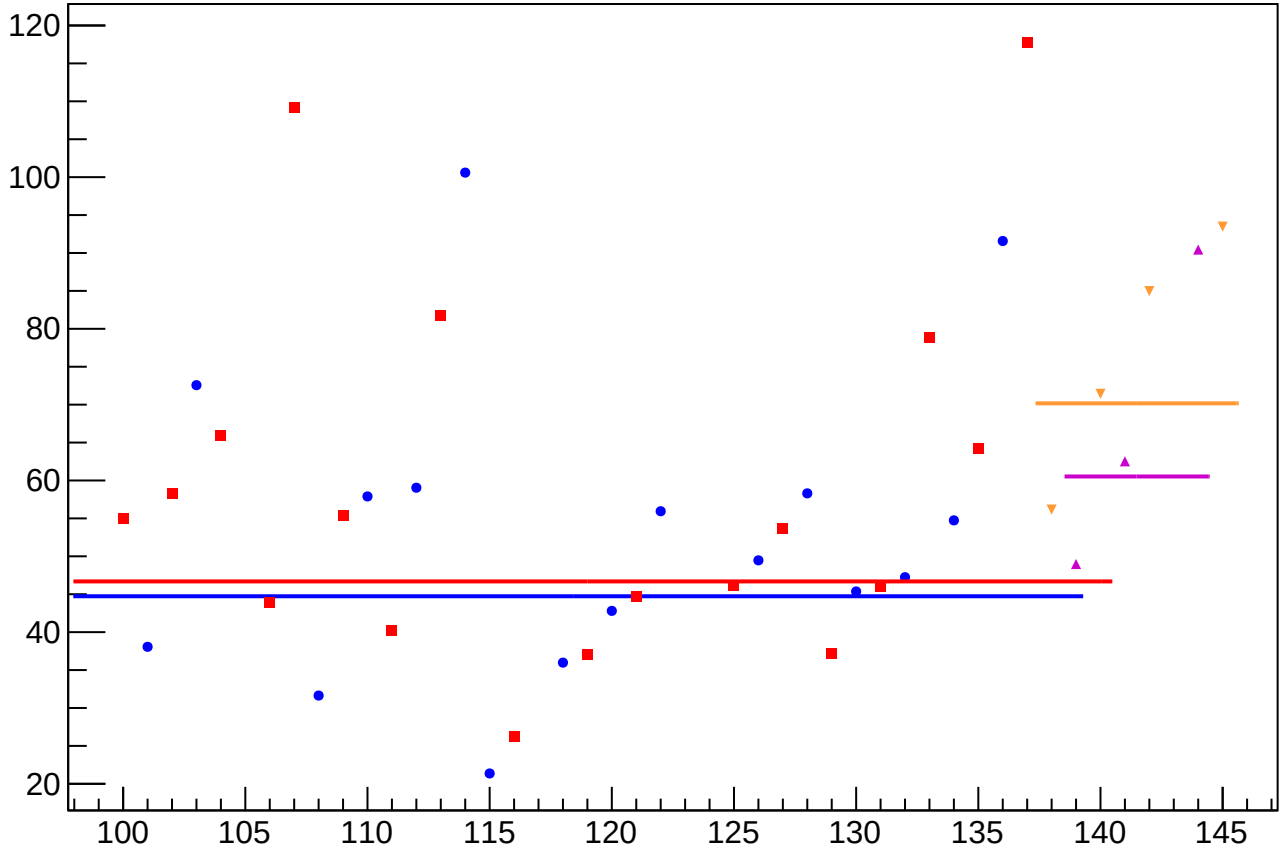
Left In: -0.004+/-0.040 χ^2/NDF:8.7/2

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

All: -0.004+/-0.012 χ^2/NDF: 70.5/40

- sign 0.004+/-0.017 χ^2/NDF: 45.3/20

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

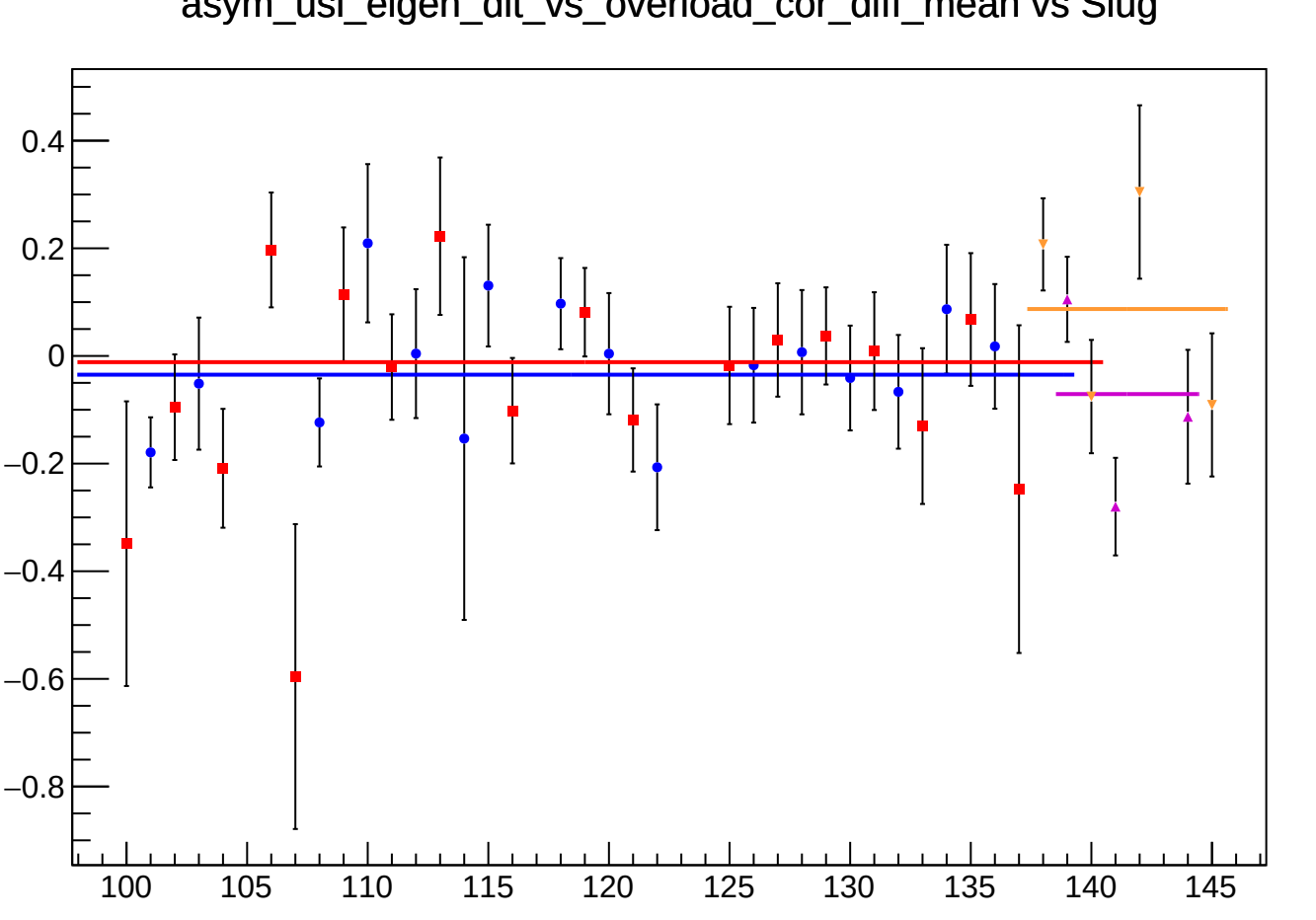
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 60.528+/-0.028 χ^2/NDF:269810.9/2

+ sign 48.663+/-0.012 χ^2/NDF: 2111603.1/19

All: 48.985+/-0.009 χ^2/NDF: 3771522.4/40

- sign 49.315+/-0.012 χ^2/NDF: 1658508.6/20



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

Left Out: 0.087+/-0.056 χ^2/NDF:8.0/3

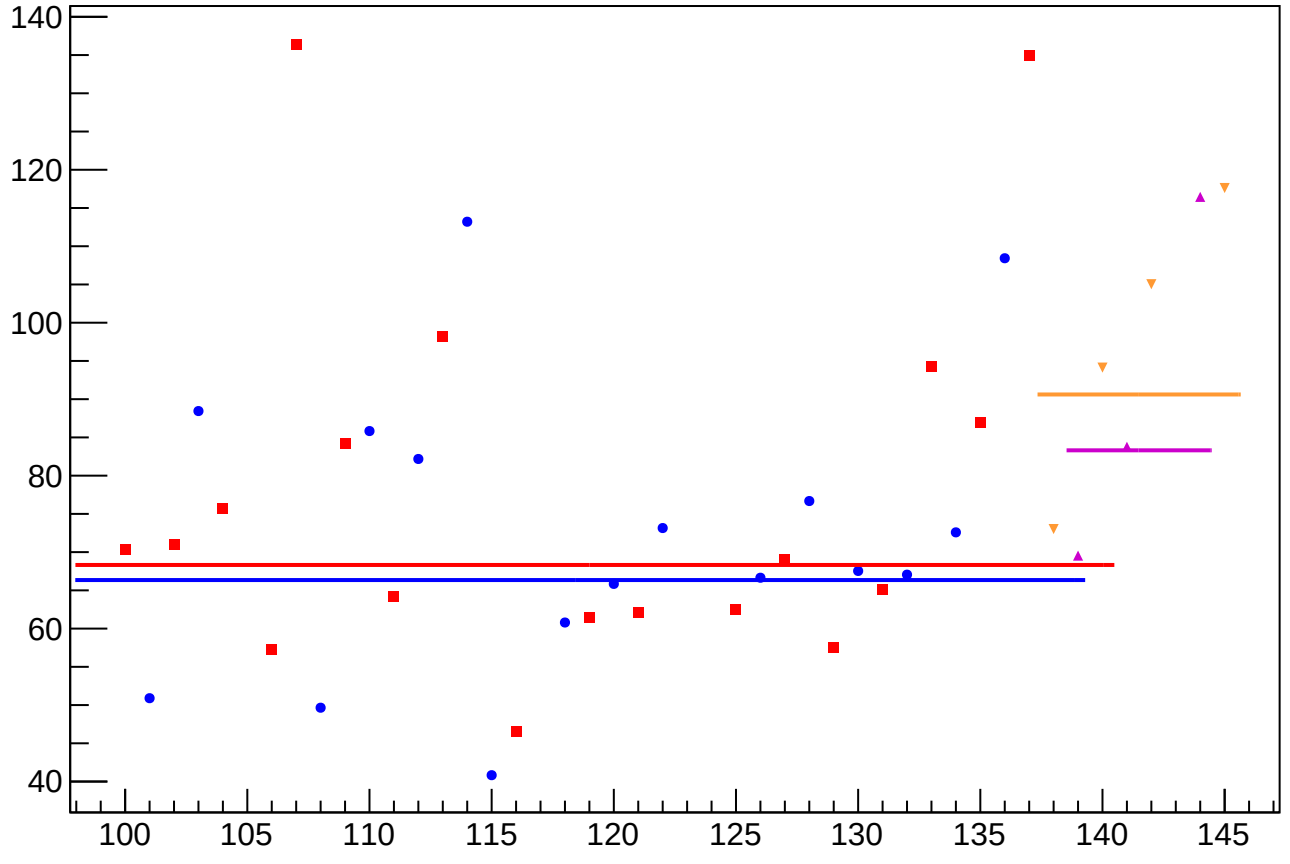
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.071+/-0.054 χ^2/NDF:10.4/2

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

All: -0.018+/-0.017 χ^2/NDF: 63.6/40

- sign -0.023+/-0.024 χ^2/NDF: 34.1/20



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

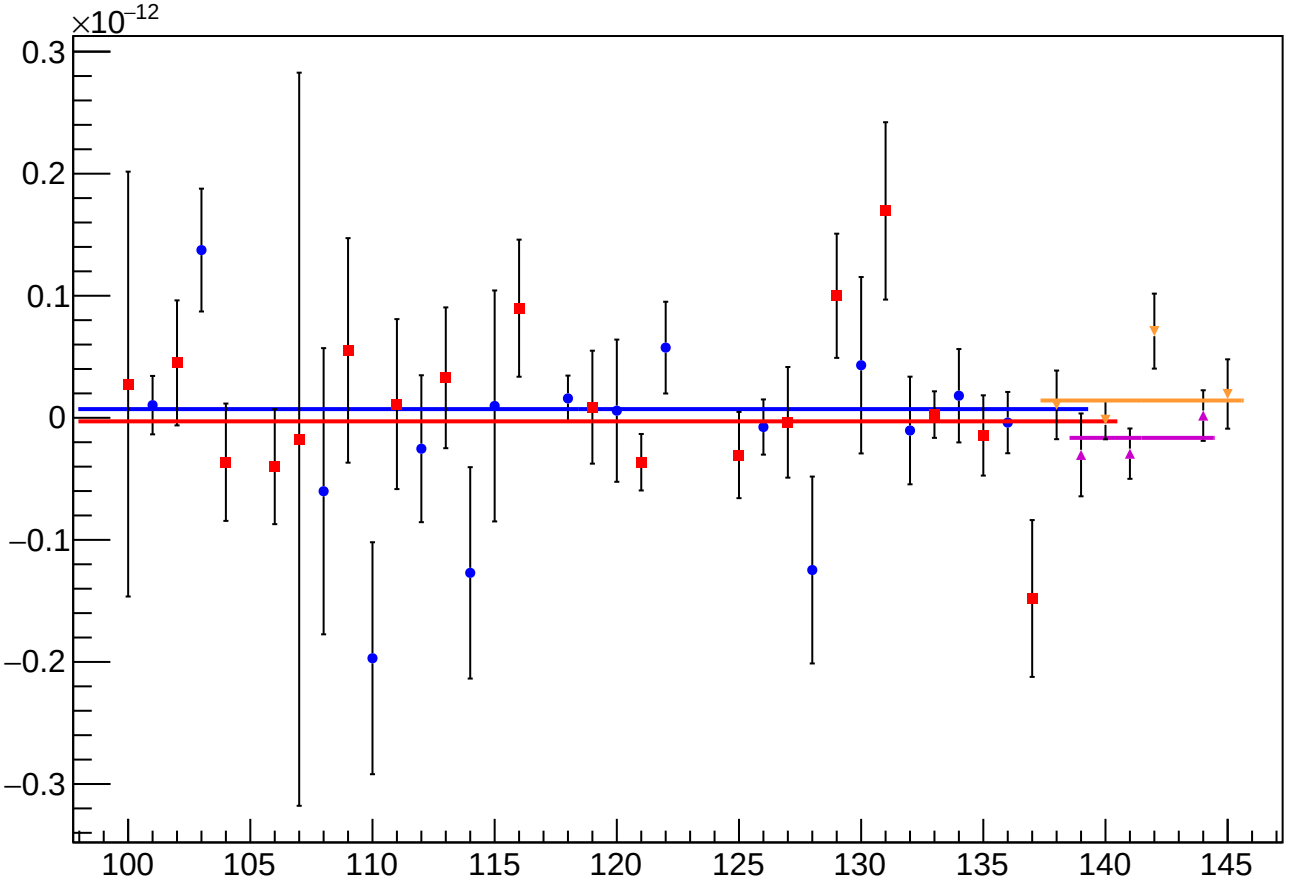
Left In: 83.312+/-0.038 χ^2/NDF:202885.8/2

+ sign 70.756+/-0.017 χ^2/NDF: 1267671.2/19

All: 71.037+/-0.012 χ^2/NDF: 2225238.9/40

- sign 71.325+/-0.017 χ^2/NDF: 957000.6/20

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

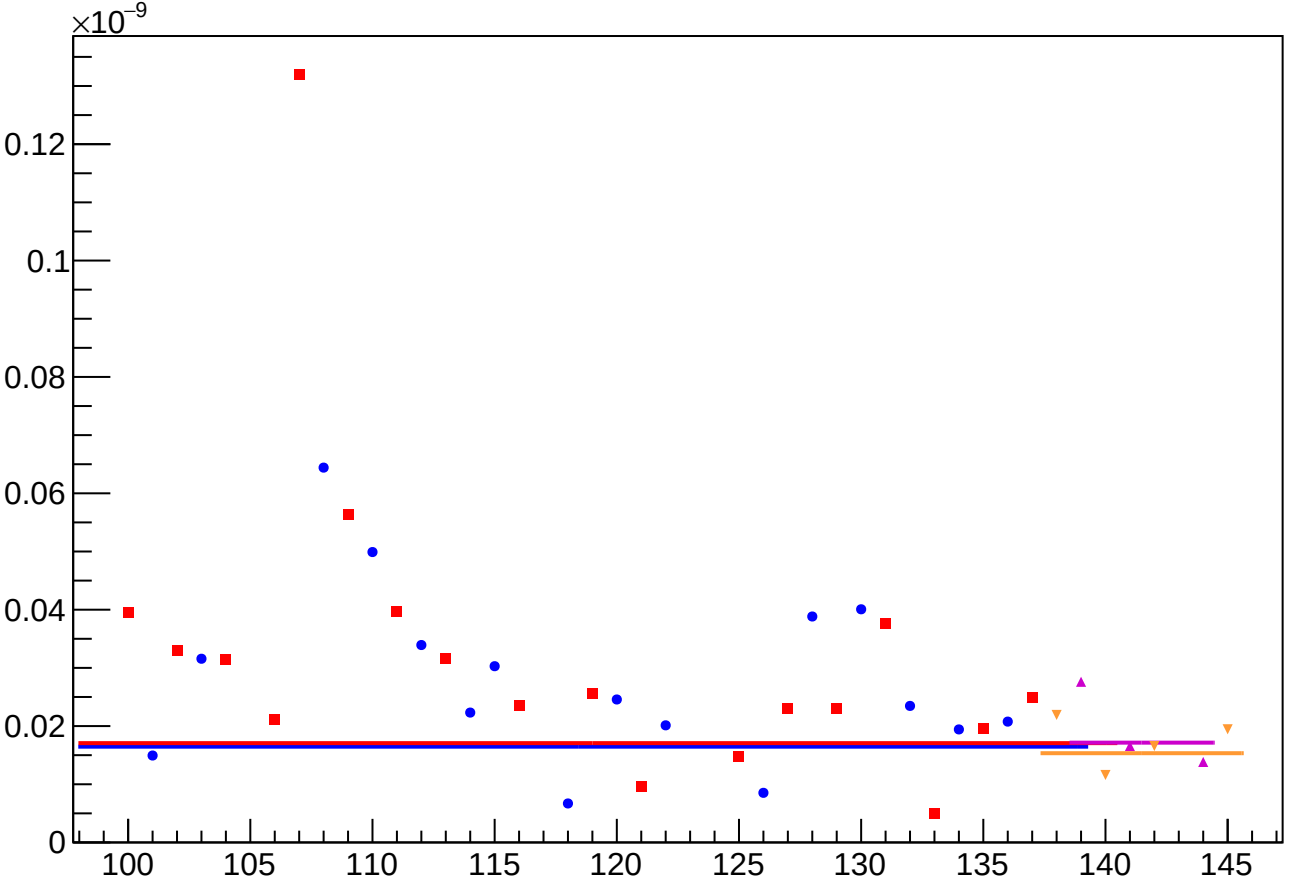
Left In: -0.000+/-0.000 χ^2/NDF:1.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/19

All: 0.000+/-0.000 χ^2/NDF: 53.2/40

- sign -0.000+/-0.000 χ^2/NDF: 25.4/20

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

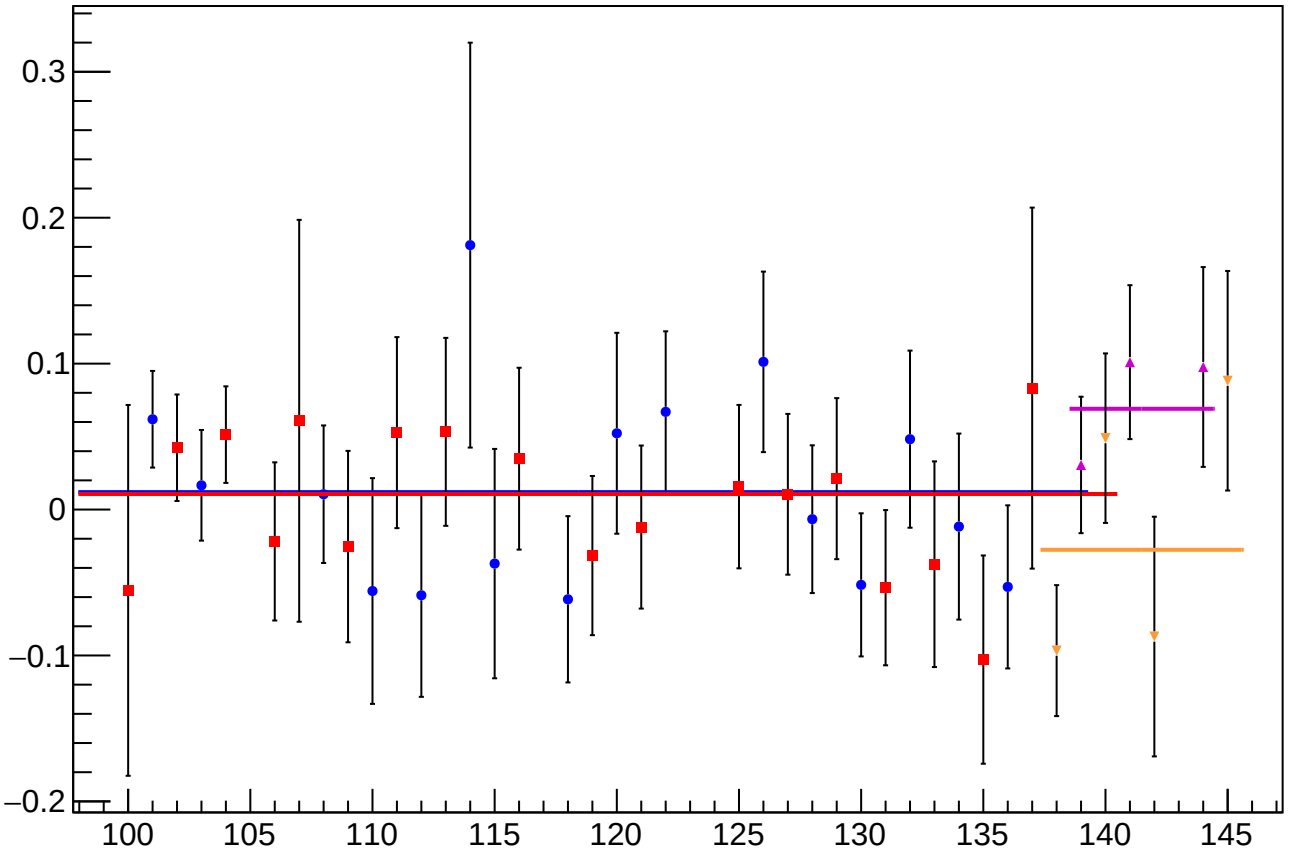
Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:242863.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 2622090.6/19

All: 0.000+/-0.000 χ^2/NDF: 5676411.5/40

- sign 0.000+/-0.000 χ^2/NDF: 3034269.0/20



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

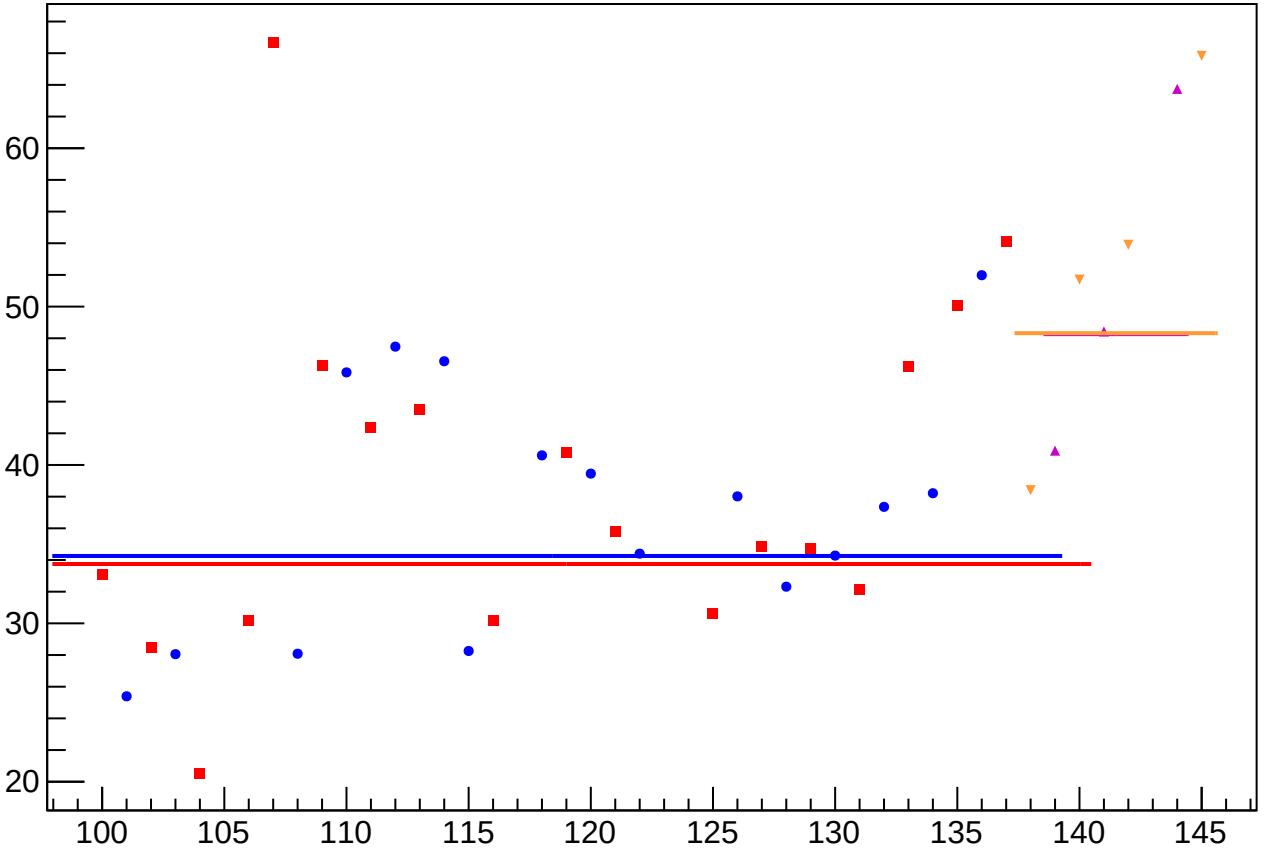
Left In: 0.069+/-0.031 χ^2/NDF:1.2/2

+ sign 0.005+/-0.012 χ^2/NDF: 23.1/19

All: 0.013+/-0.009 χ^2/NDF: 38.0/40

- sign 0.020+/-0.012 χ^2/NDF: 14.1/20

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

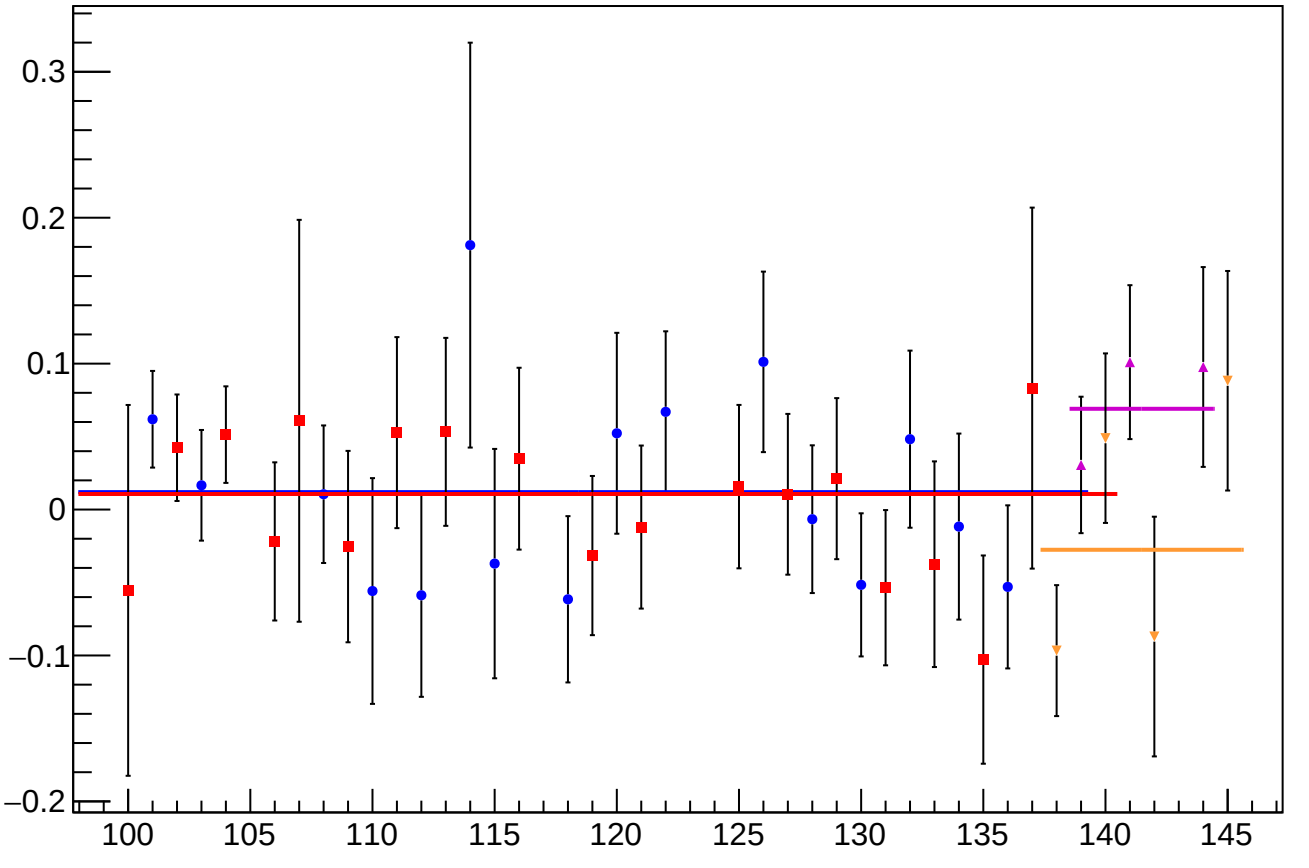
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 48.261+/-0.022 χ^2/NDF:151864.9/2

+ sign 36.668+/-0.009 χ^2/NDF: 1224523.1/19

All: 36.345+/-0.006 χ^2/NDF: 2657024.4/40

- sign 36.024+/-0.009 χ^2/NDF: 1429786.3/20



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.028+/-0.030 χ^2/NDF:7.0/3

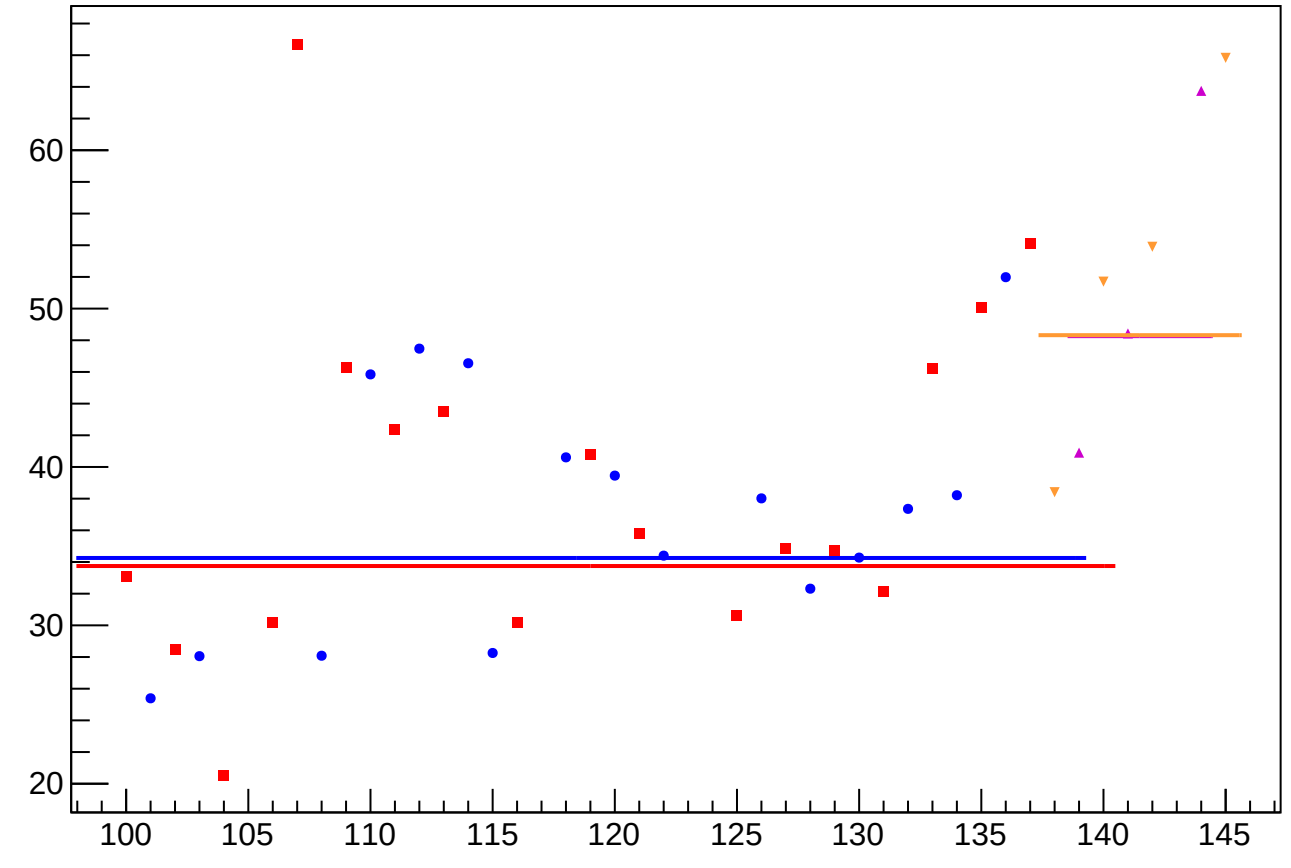
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.069+/-0.031 χ^2/NDF:1.2/2

+ sign 0.005+/-0.012 χ^2/NDF: 23.1/19

All: 0.013+/-0.009 χ^2/NDF: 38.0/40

- sign 0.020+/-0.012 χ^2/NDF: 14.1/20



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

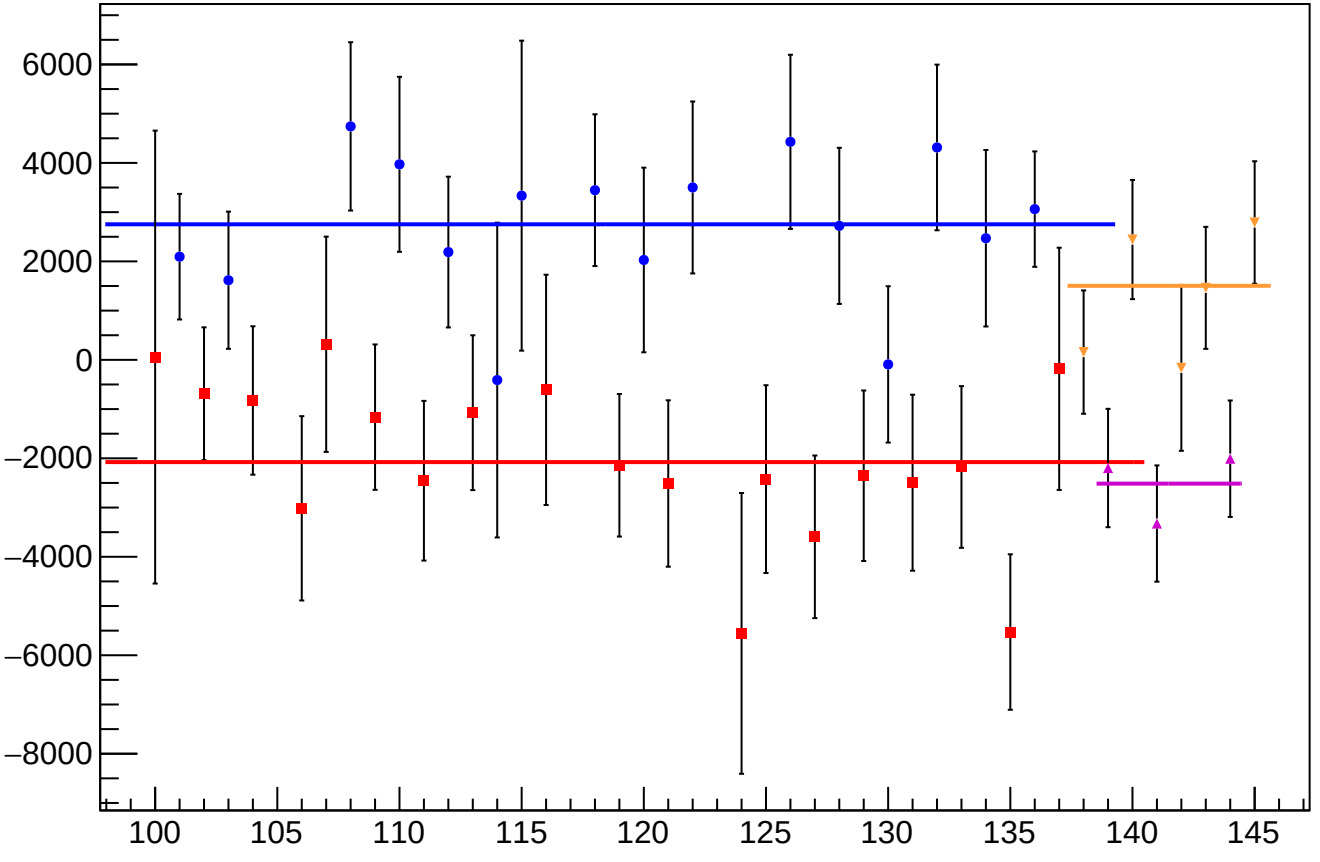
Left In: 48.261+/-0.022 χ^2/NDF:151864.9/2

+ sign 36.668+/-0.009 χ^2/NDF: 1224523.1/19

All: 36.345+/-0.006 χ^2/NDF: 2657024.4/40

- sign 36.024+/-0.009 χ^2/NDF: 1429786.3/20

reg_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

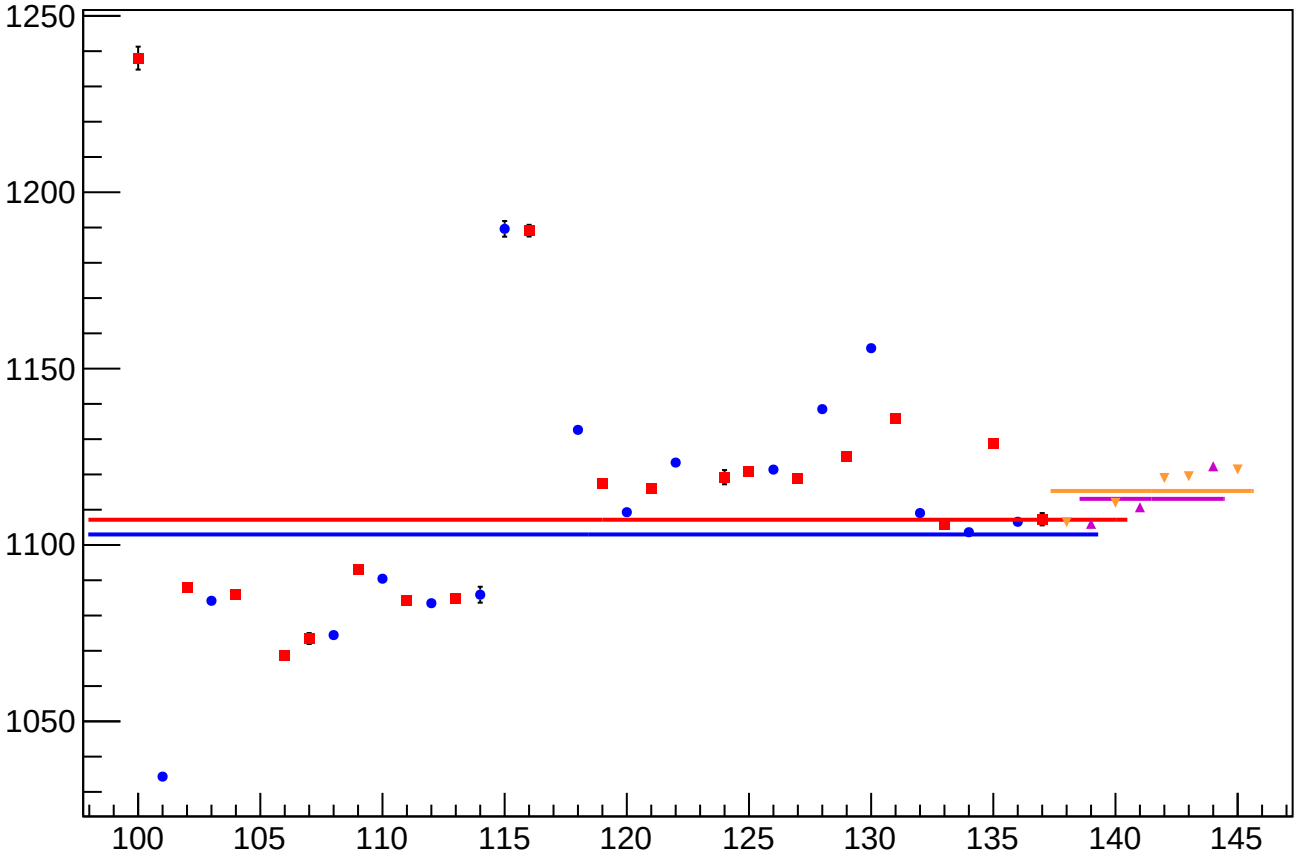
Left In: -2514.251+/-686.097 χ^2/NDF:0.7/2

+ sign 2337.360+/-334.771 χ^2/NDF: 16.4/20

All: 161.794+/-241.260 χ^2/NDF: 117.8/42

- sign -2189.098+/-347.999 χ^2/NDF: 13.6/21

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

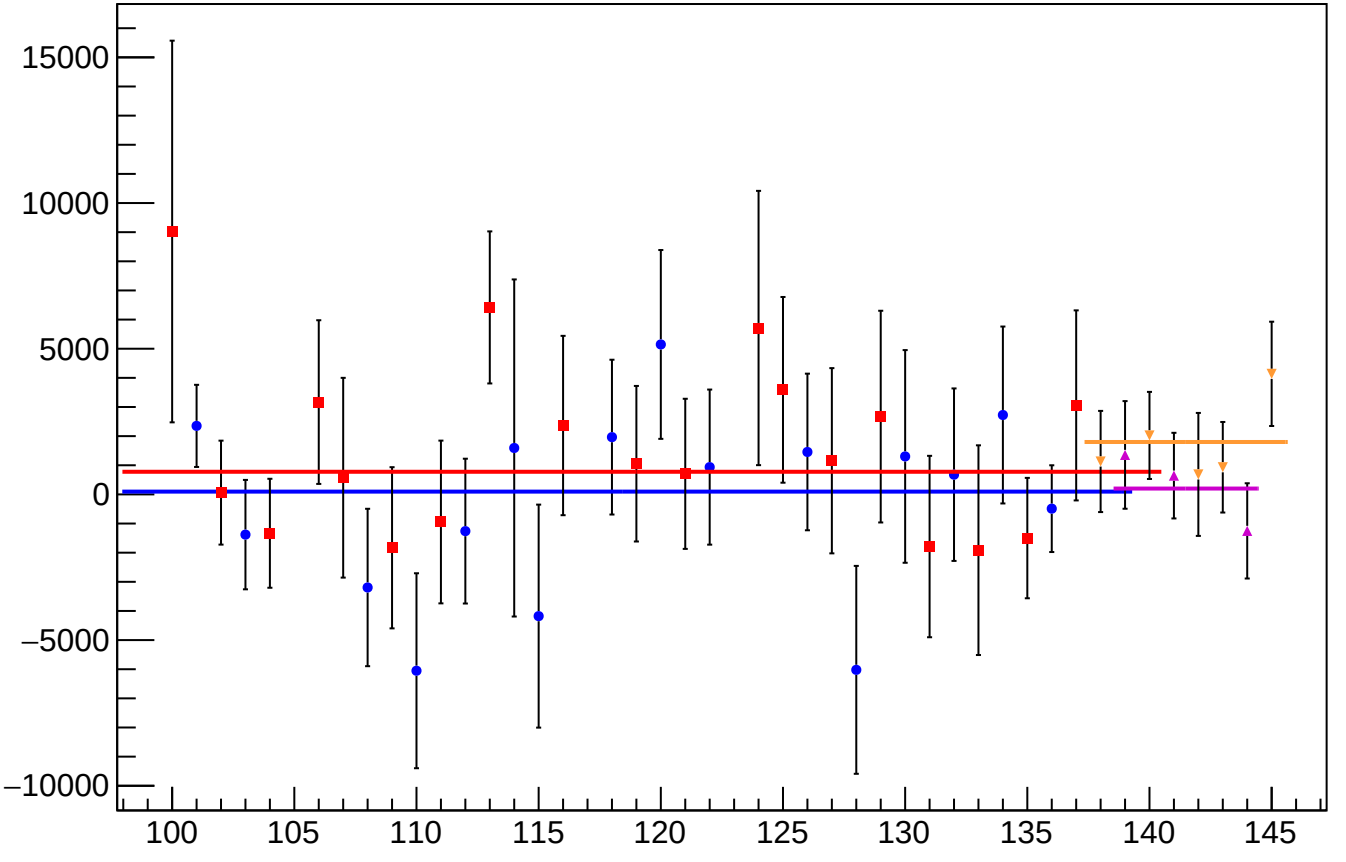
Left In: 1113.080+/-0.485 χ^2/NDF:199.4/2

+ sign 1107.091+/-0.237 χ^2/NDF: 14021.2/20

All: 1107.856+/-0.171 χ^2/NDF: 23036.3/42

- sign 1108.682+/-0.246 χ^2/NDF: 8993.4/21

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

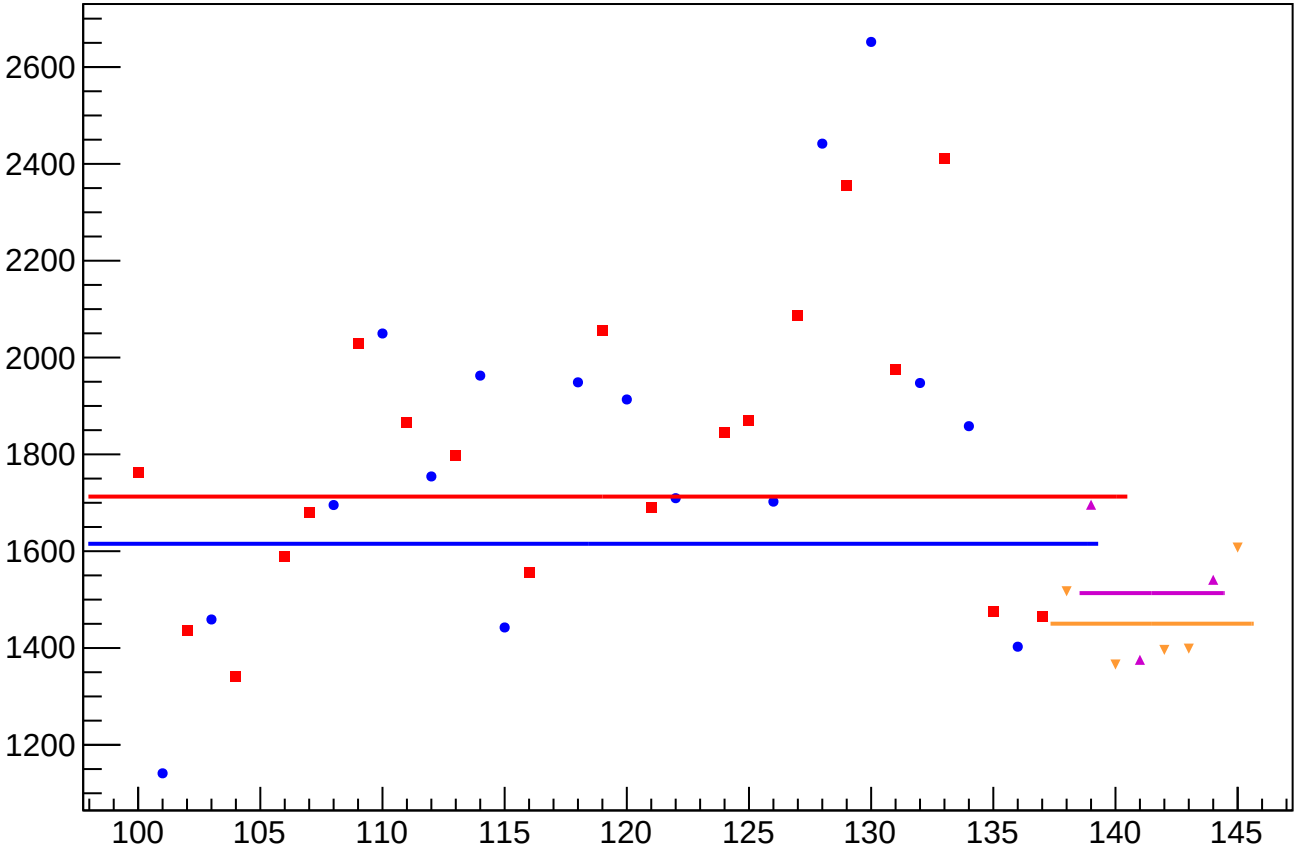
Left In: 200.802+/-940.512 χ^2/NDF:1.3/2

+ sign 773.677+/-479.590 χ^2/NDF: 22.4/20

All: 693.171+/-354.821 χ^2/NDF: 39.1/42

- sign 595.814+/-527.397 χ^2/NDF: 16.6/21

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

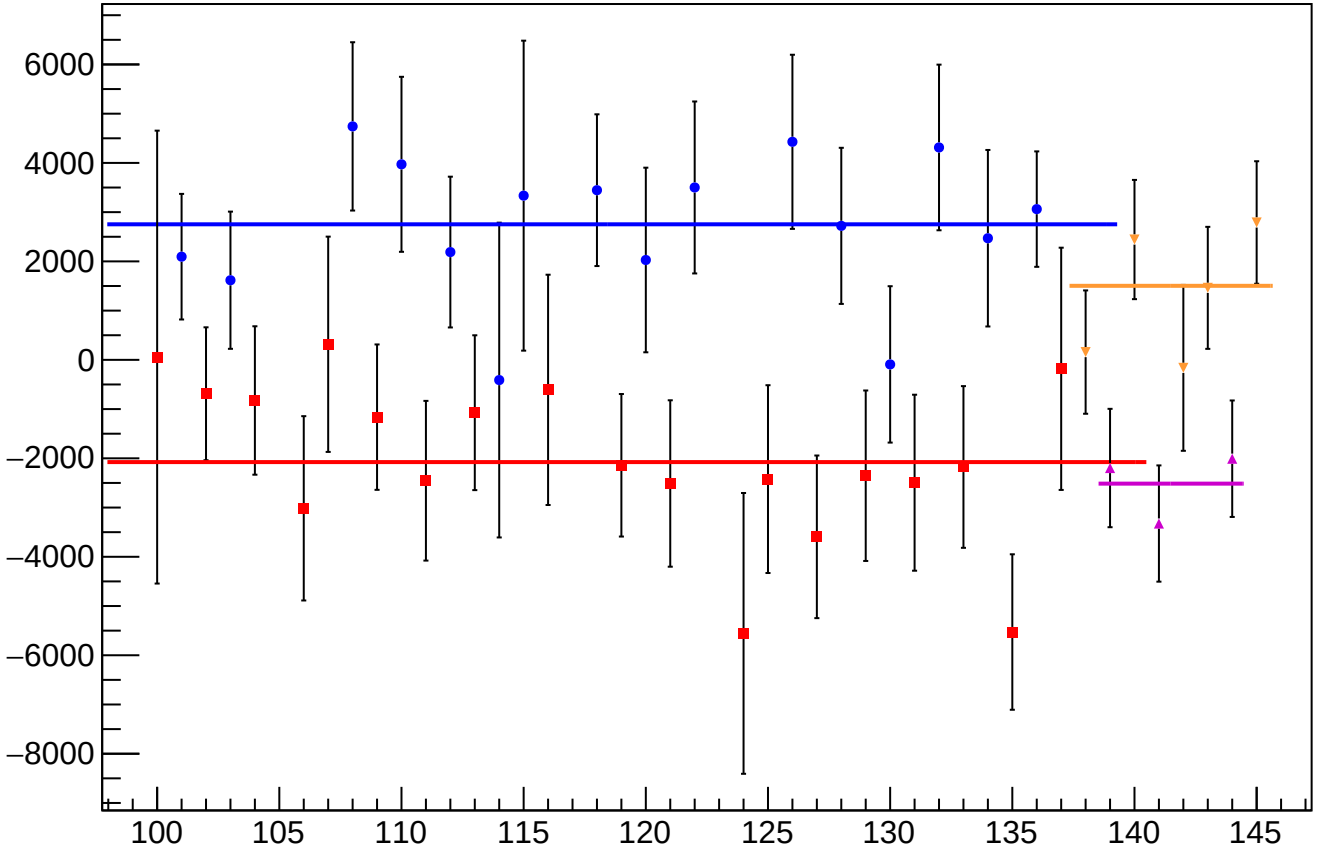
Left In: 1513.441+/-0.665 χ^2/NDF:37684.2/2

+ sign 1549.637+/-0.339 χ^2/NDF: 778673.5/20

All: 1595.114+/-0.251 χ^2/NDF: 1345759.0/42

- sign 1650.111+/-0.373 χ^2/NDF: 527353.1/21

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

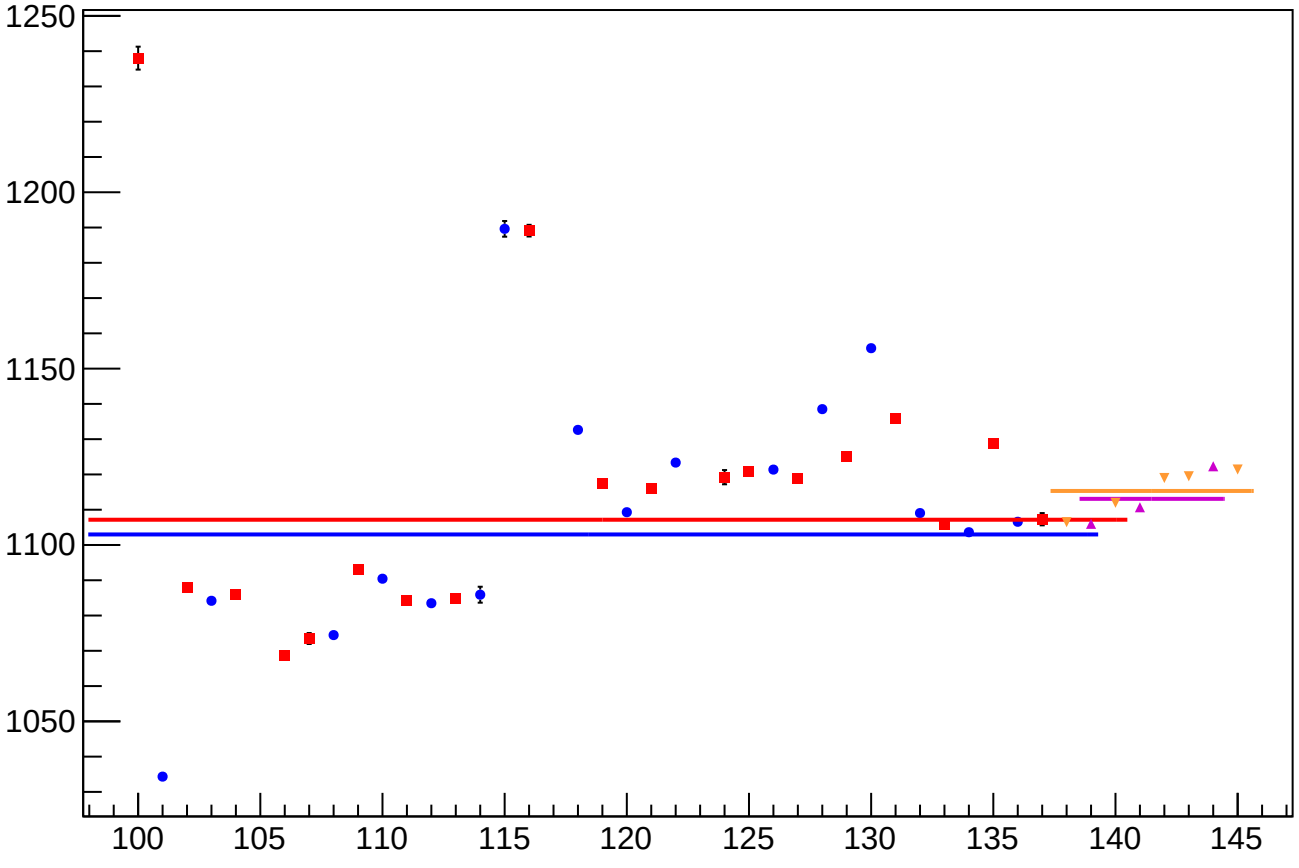
Left In: -2514.251+/-686.097 χ^2/NDF:0.7/2

+ sign 2337.360+/-334.771 χ^2/NDF: 16.4/20

All: 161.794+/-241.260 χ^2/NDF: 117.8/42

- sign -2189.098+/-347.999 χ^2/NDF: 13.6/21

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

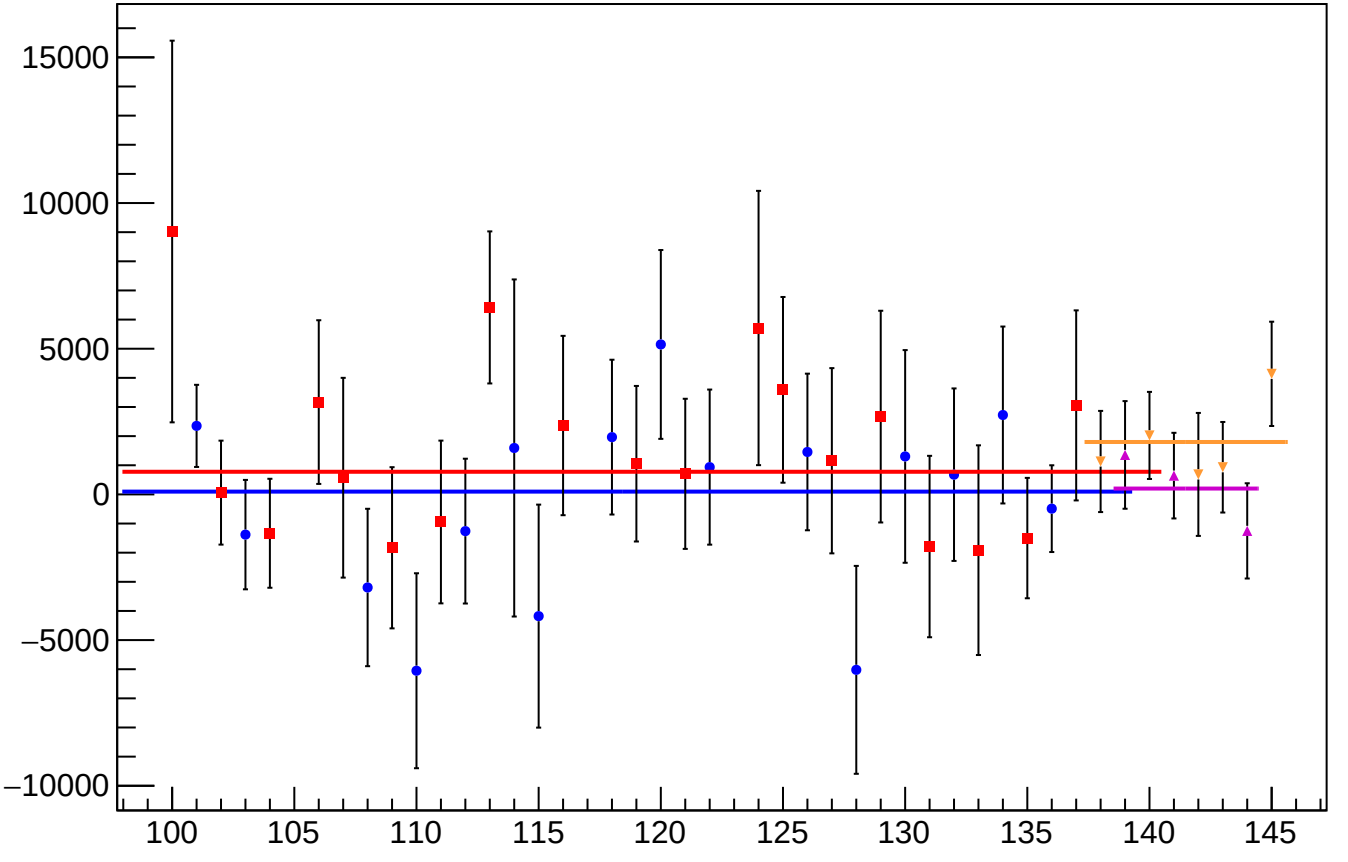
Left In: 1113.080+/-0.485 χ^2/NDF:199.4/2

+ sign 1107.091+/-0.237 χ^2/NDF: 14021.2/20

All: 1107.856+/-0.171 χ^2/NDF: 23036.3/42

- sign 1108.682+/-0.246 χ^2/NDF: 8993.4/21

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

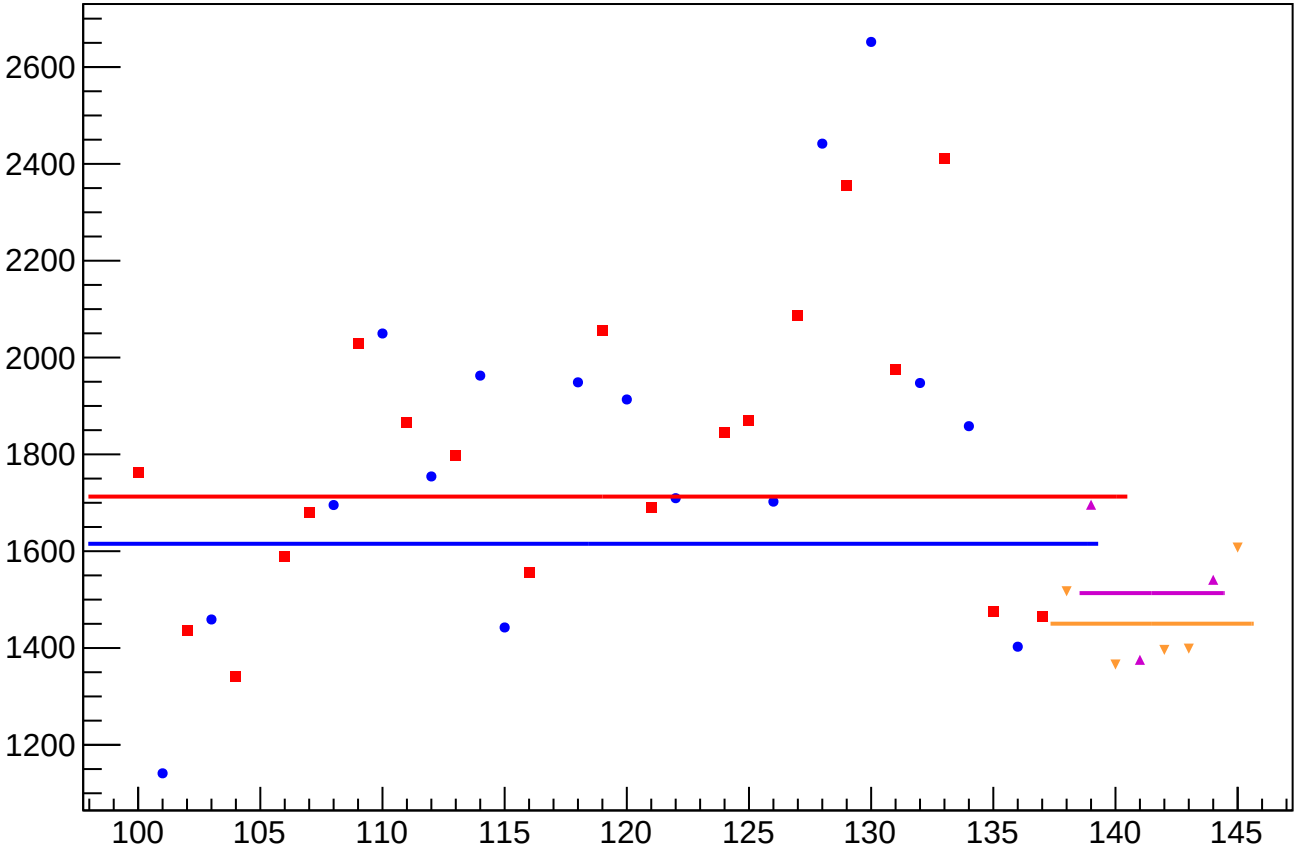
Left In: 200.802+/-940.512 χ^2/NDF:1.3/2

+ sign 773.677+/-479.590 χ^2/NDF: 22.4/20

All: 693.171+/-354.821 χ^2/NDF: 39.1/42

- sign 595.814+/-527.397 χ^2/NDF: 16.6/21

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

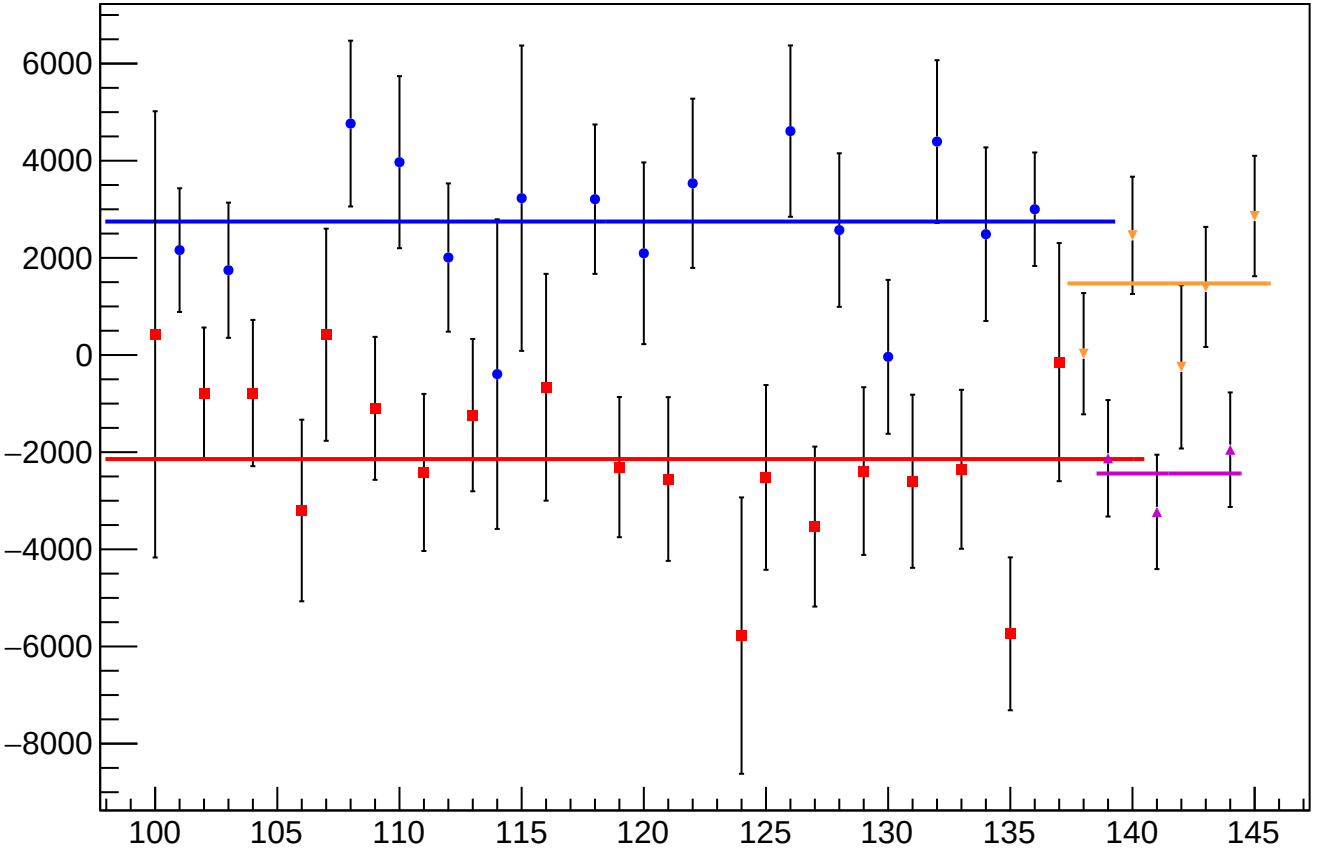
Left In: 1513.441+/-0.665 χ^2/NDF:37684.2/2

+ sign 1549.637+/-0.339 χ^2/NDF: 778673.5/20

All: 1595.114+/-0.251 χ^2/NDF: 1345759.0/42

- sign 1650.111+/-0.373 χ^2/NDF: 527353.1/21

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

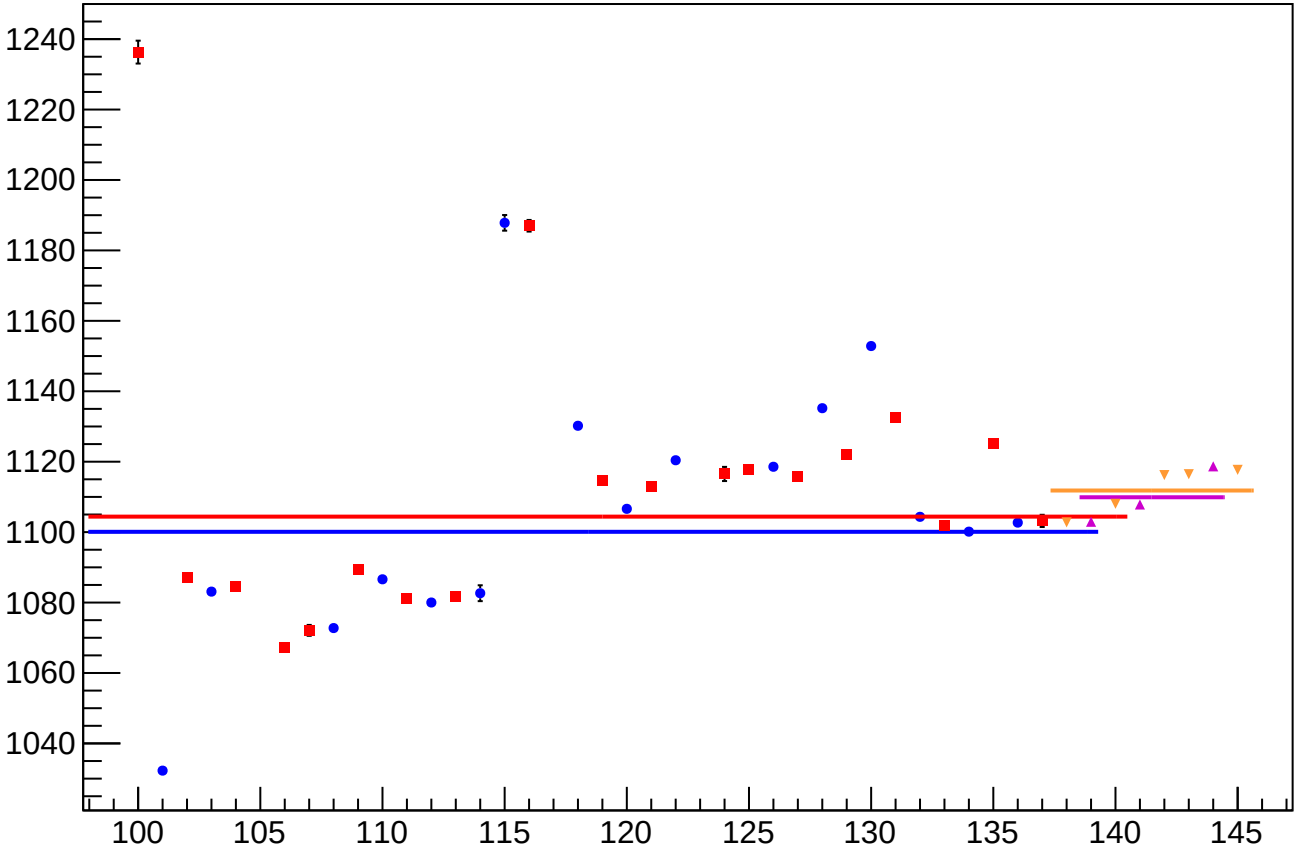
Left In: -2438.926+/-684.136 χ^2/NDF:0.7/2

+ sign 2323.592+/-333.834 χ^2/NDF: 17.1/20

All: 141.324+/-240.609 χ^2/NDF: 120.4/42

- sign -2217.814+/-347.098 χ^2/NDF: 14.4/21

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

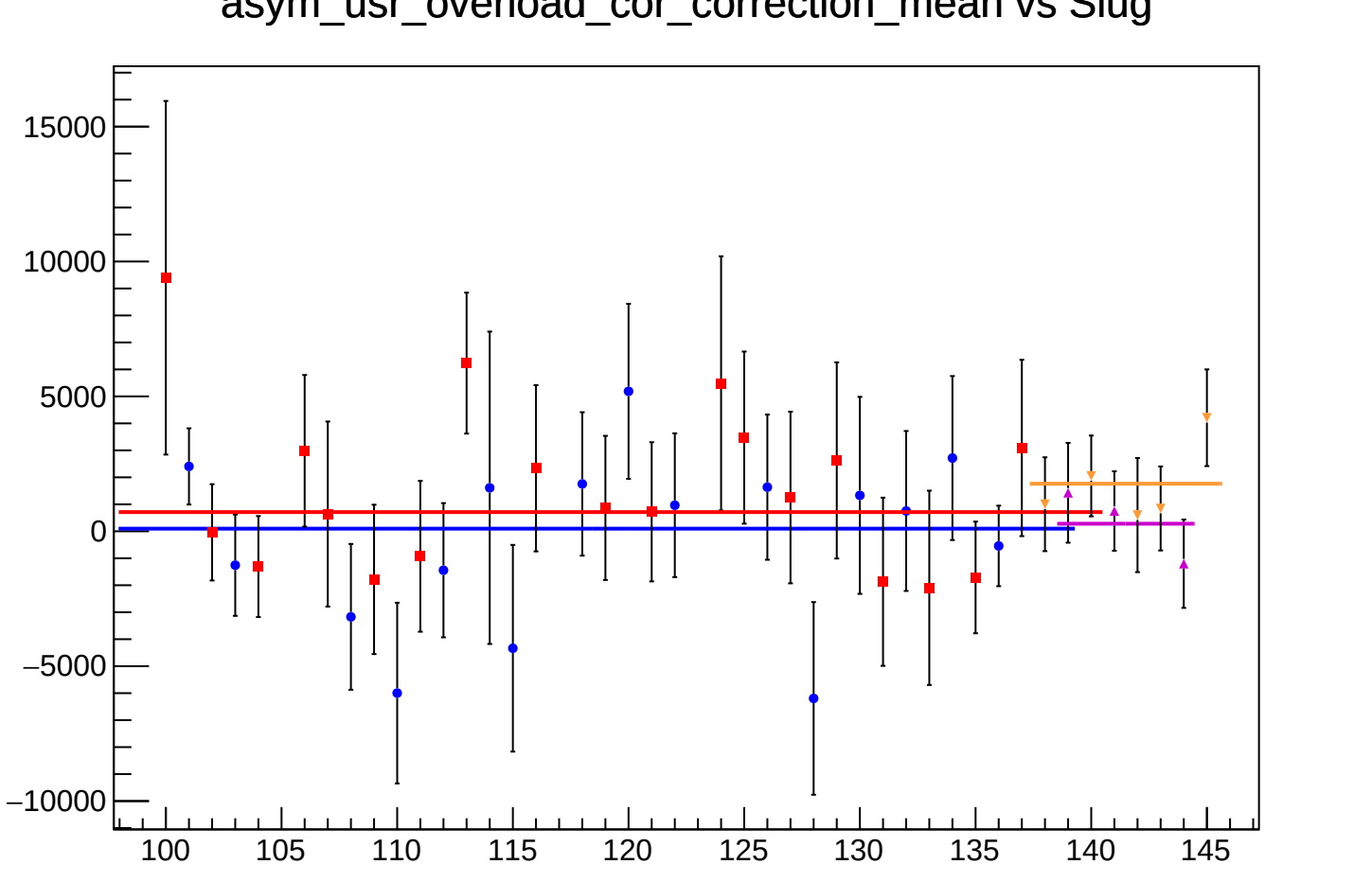
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1109.901+/-0.484 χ^2/NDF:184.2/2

\+ sign 1103.996+/-0.236 χ^2/NDF: 13836.3/20

All: 1104.871+/-0.170 χ^2/NDF: 22688.7/42

\- sign 1105.818+/-0.245 χ^2/NDF: 8823.7/21



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

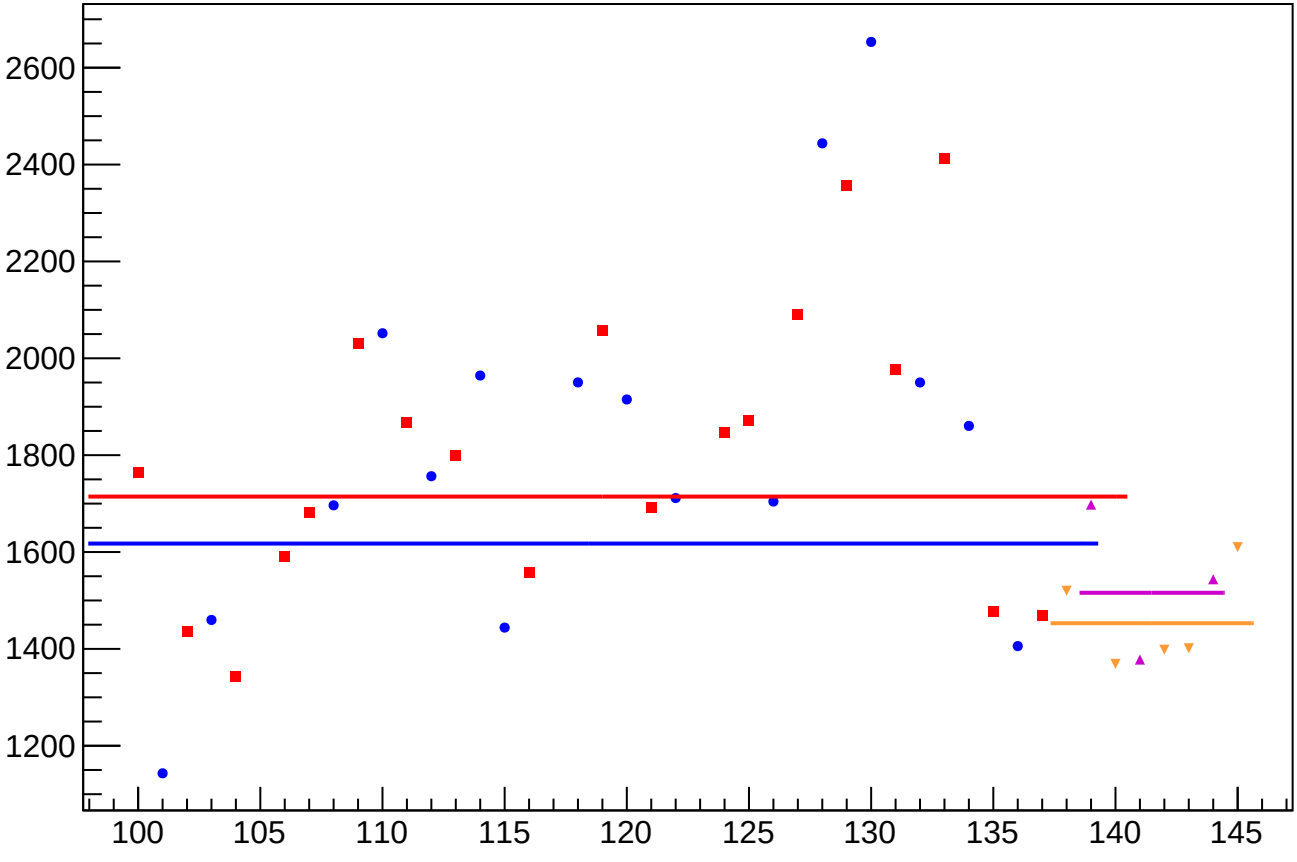
Left In: 280.198+/-941.979 χ^2/NDF:1.3/2

\+ sign 759.760+/-480.308 χ^2/NDF: 22.9/20

All: 676.482+/-355.298 χ^2/NDF: 39.3/42

\- sign 575.841+/-528.008 χ^2/NDF: 16.4/21

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

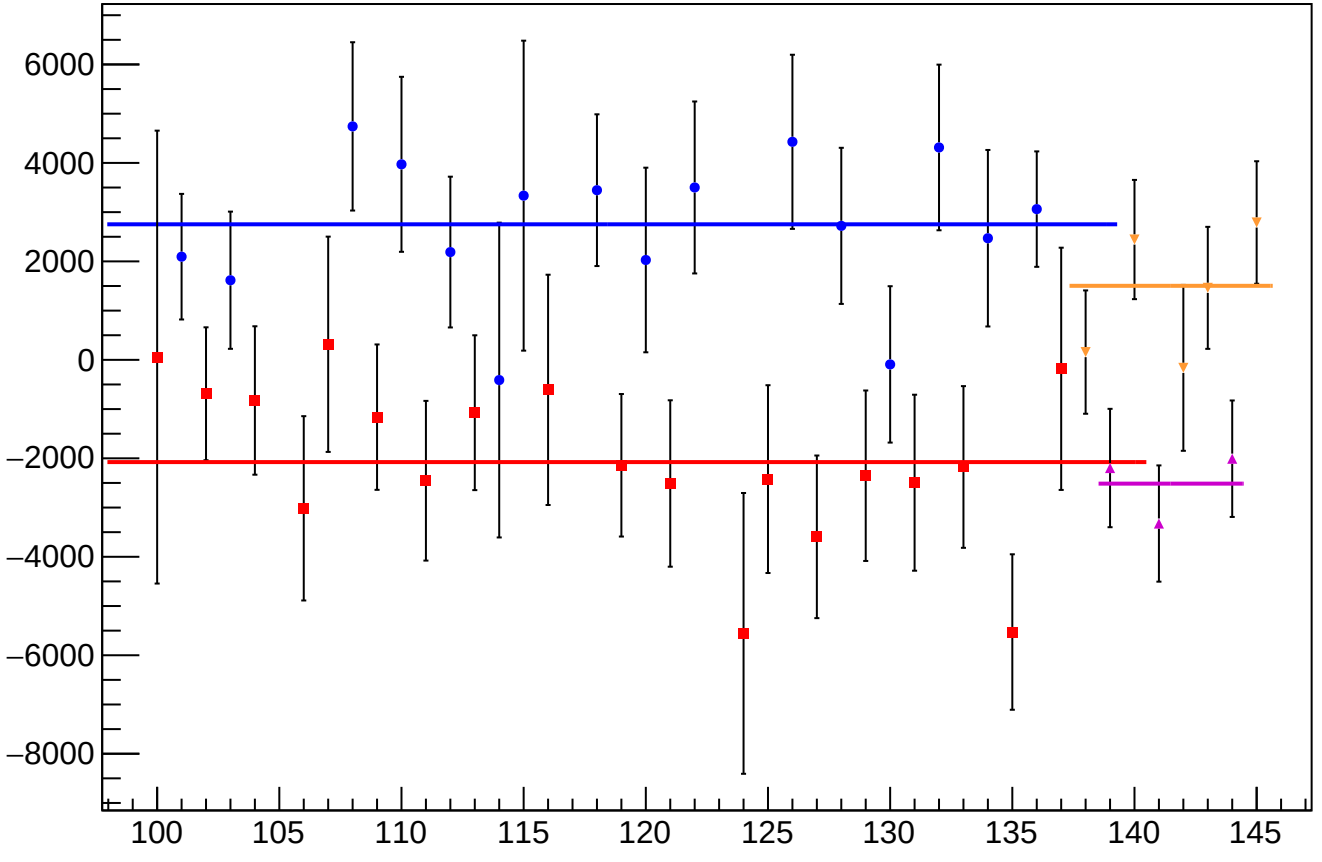
Left In: 1515.856+/-0.666 χ^2/NDF:37517.4/2

+ sign 1552.081+/-0.340 χ^2/NDF: 776068.1/20

All: 1597.366+/-0.251 χ^2/NDF: 1341560.2/42

- sign 1652.093+/-0.373 χ^2/NDF: 526227.5/21

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

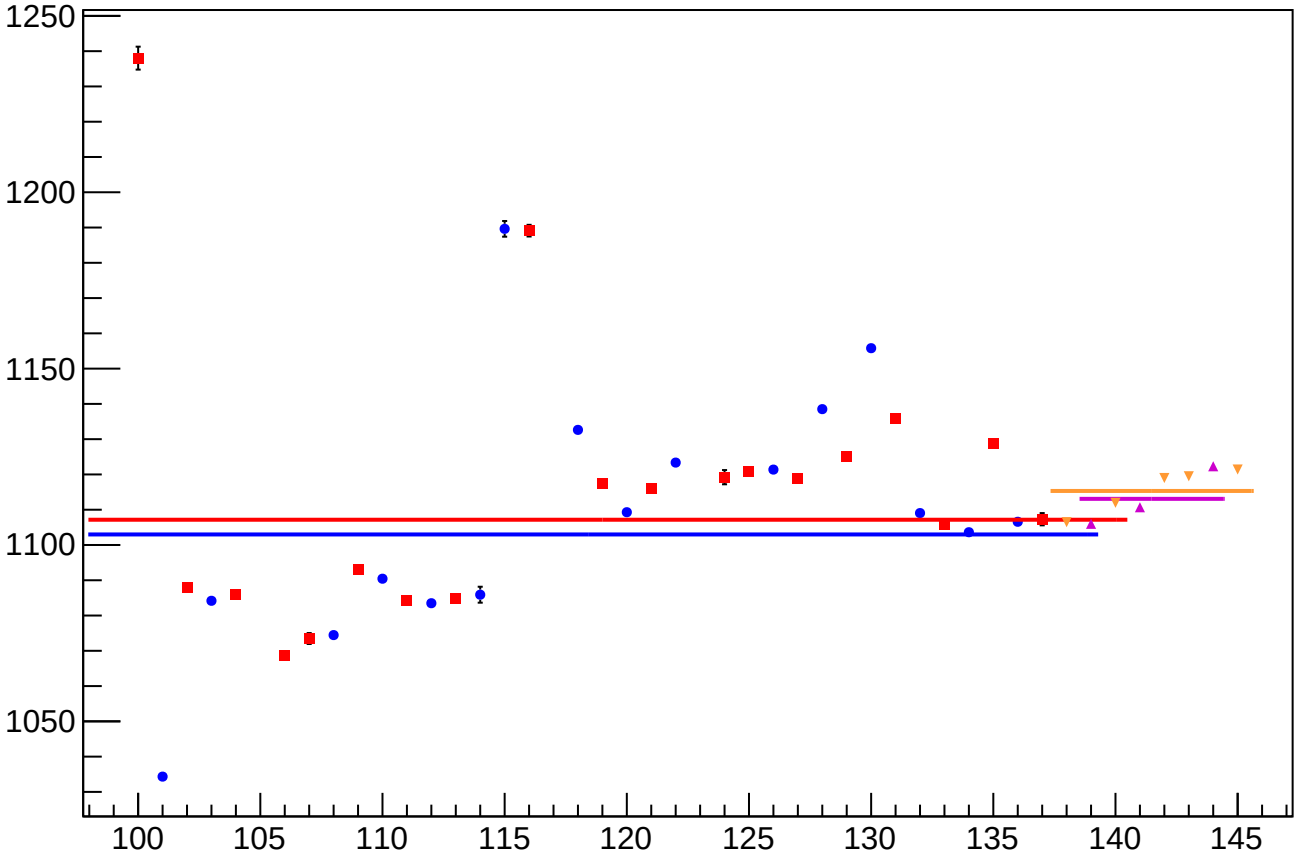
Left In: -2514.251+/-686.097 χ^2/NDF:0.7/2

+ sign 2337.360+/-334.771 χ^2/NDF: 16.4/20

All: 161.794+/-241.260 χ^2/NDF: 117.8/42

- sign -2189.098+/-347.999 χ^2/NDF: 13.6/21

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

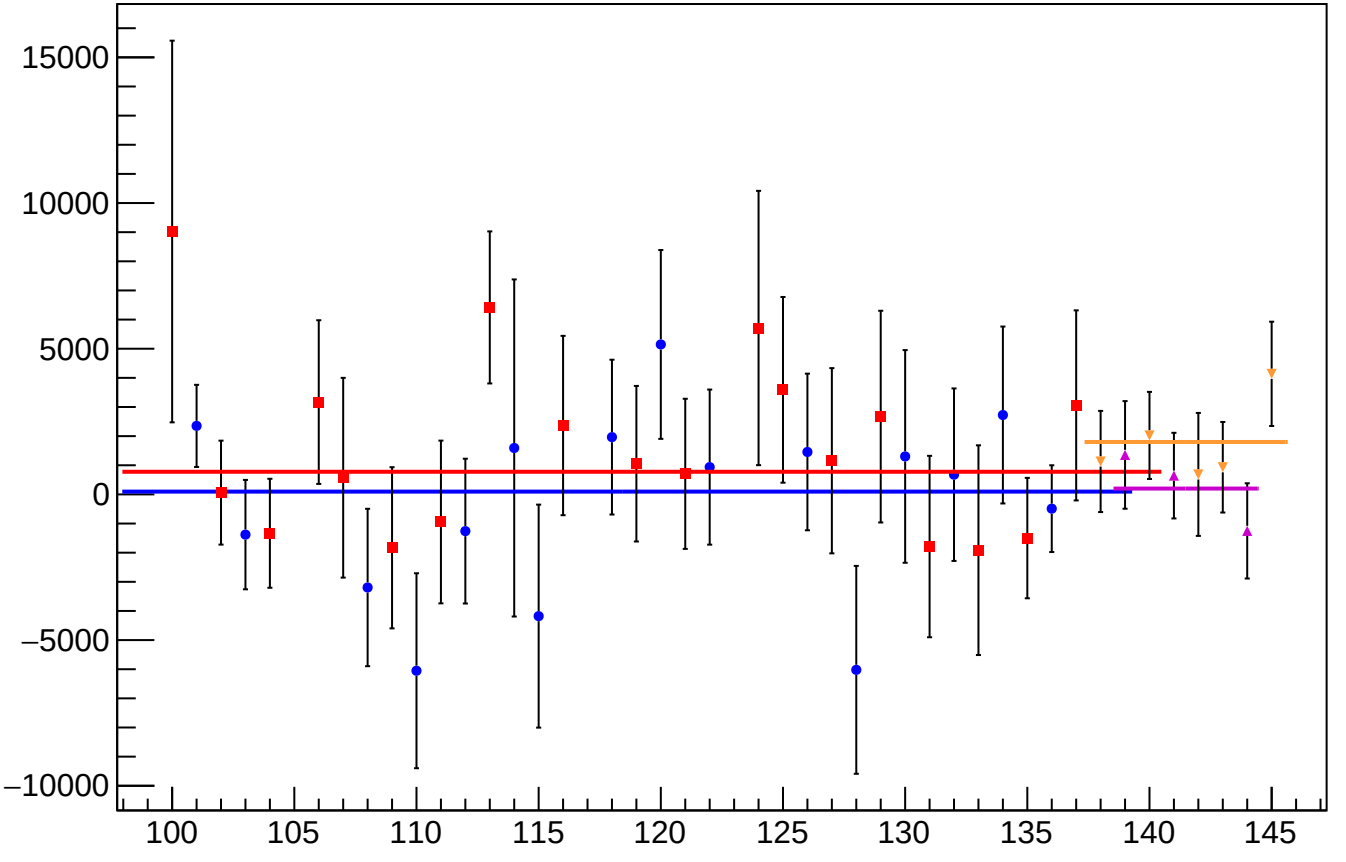
Left In: 1113.080+/-0.485 χ^2/NDF:199.4/2

+ sign 1107.091+/-0.237 χ^2/NDF: 14021.2/20

All: 1107.856+/-0.171 χ^2/NDF: 23036.3/42

- sign 1108.682+/-0.246 χ^2/NDF: 8993.4/21

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

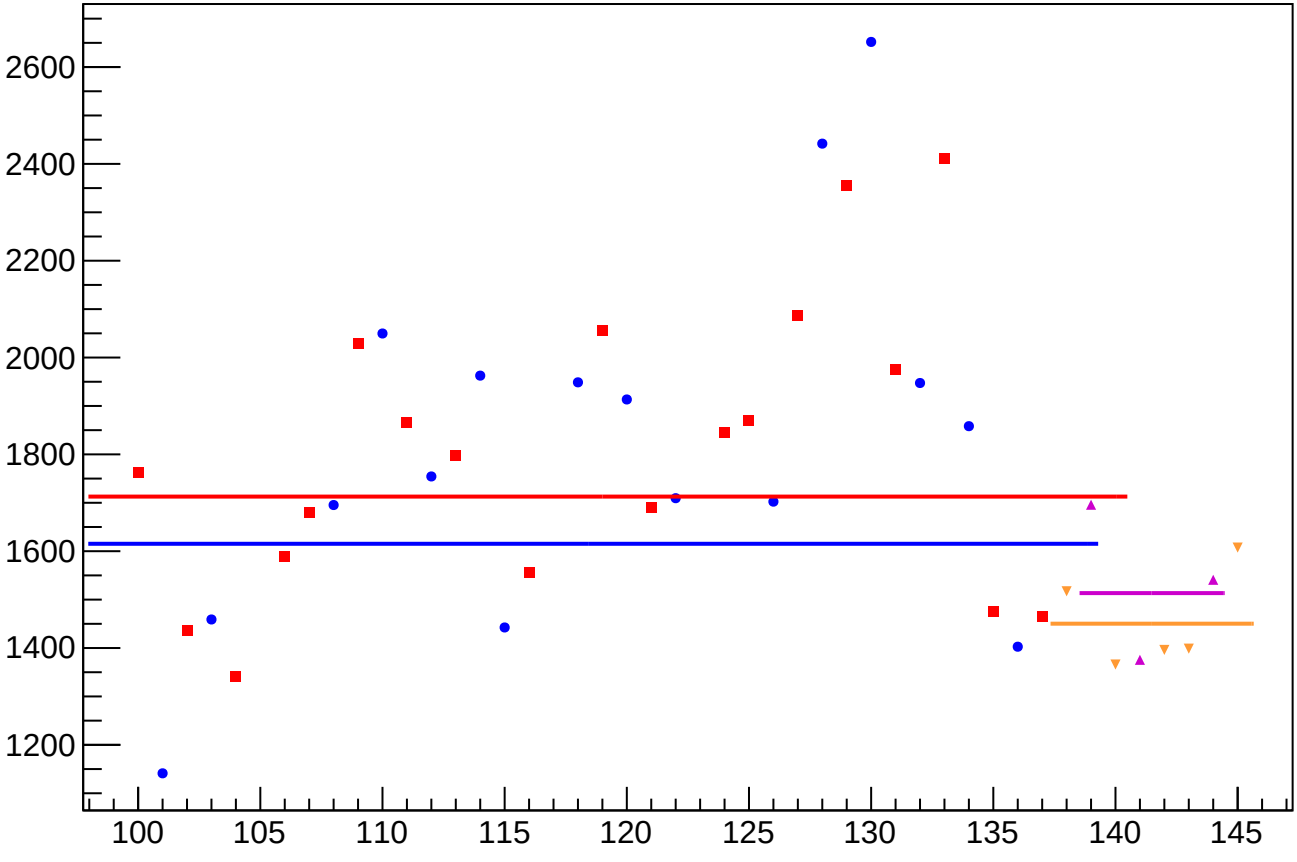
Left In: 200.802+/-940.512 χ^2/NDF:1.3/2

\+ sign 773.677+/-479.590 χ^2/NDF: 22.4/20

All: 693.171+/-354.821 χ^2/NDF: 39.1/42

\- sign 595.814+/-527.397 χ^2/NDF: 16.6/21

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

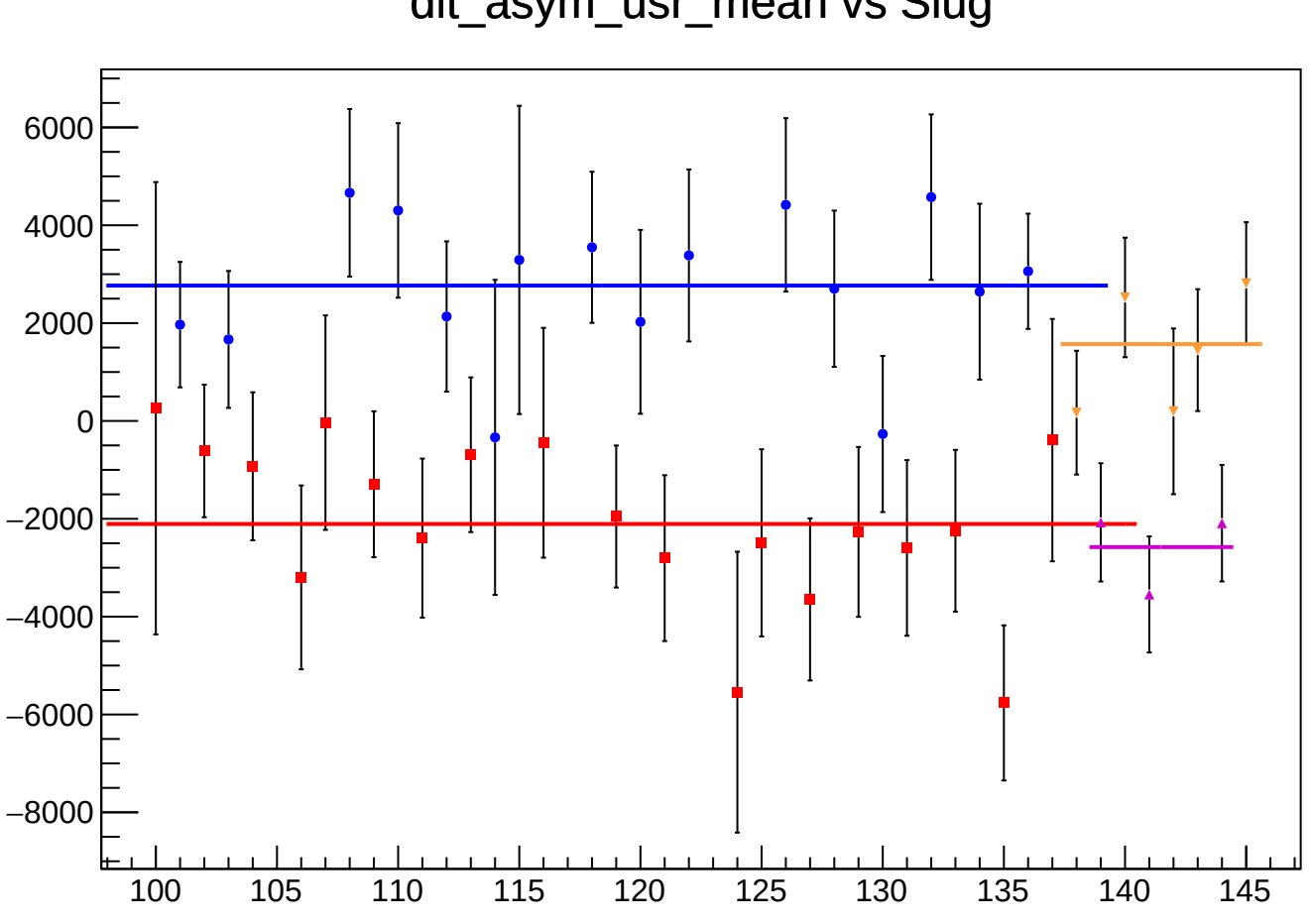
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1513.441+/-0.665 χ^2/NDF:37684.2/2

+ sign 1549.637+/-0.339 χ^2/NDF: 778673.5/20

All: 1595.114+/-0.251 χ^2/NDF: 1345759.0/42

- sign 1650.111+/-0.373 χ^2/NDF: 527353.1/21



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

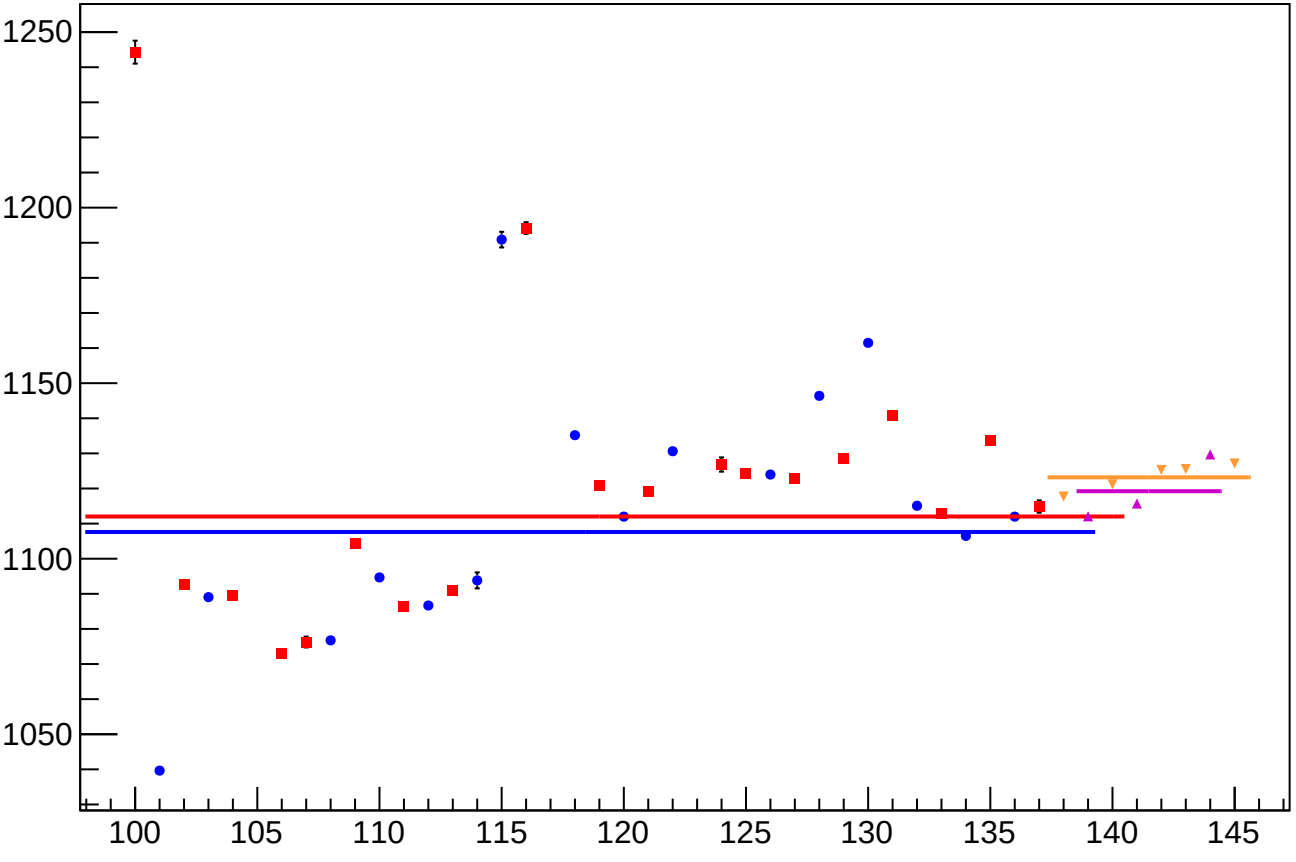
Left In: -2577.742+/-689.915 χ^2/NDF:1.0/2

+ sign 2370.219+/-336.497 χ^2/NDF: 16.6/20

All: 159.450+/-242.454 χ^2/NDF: 121.1/42

- sign -2227.427+/-349.643 χ^2/NDF: 14.7/21

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

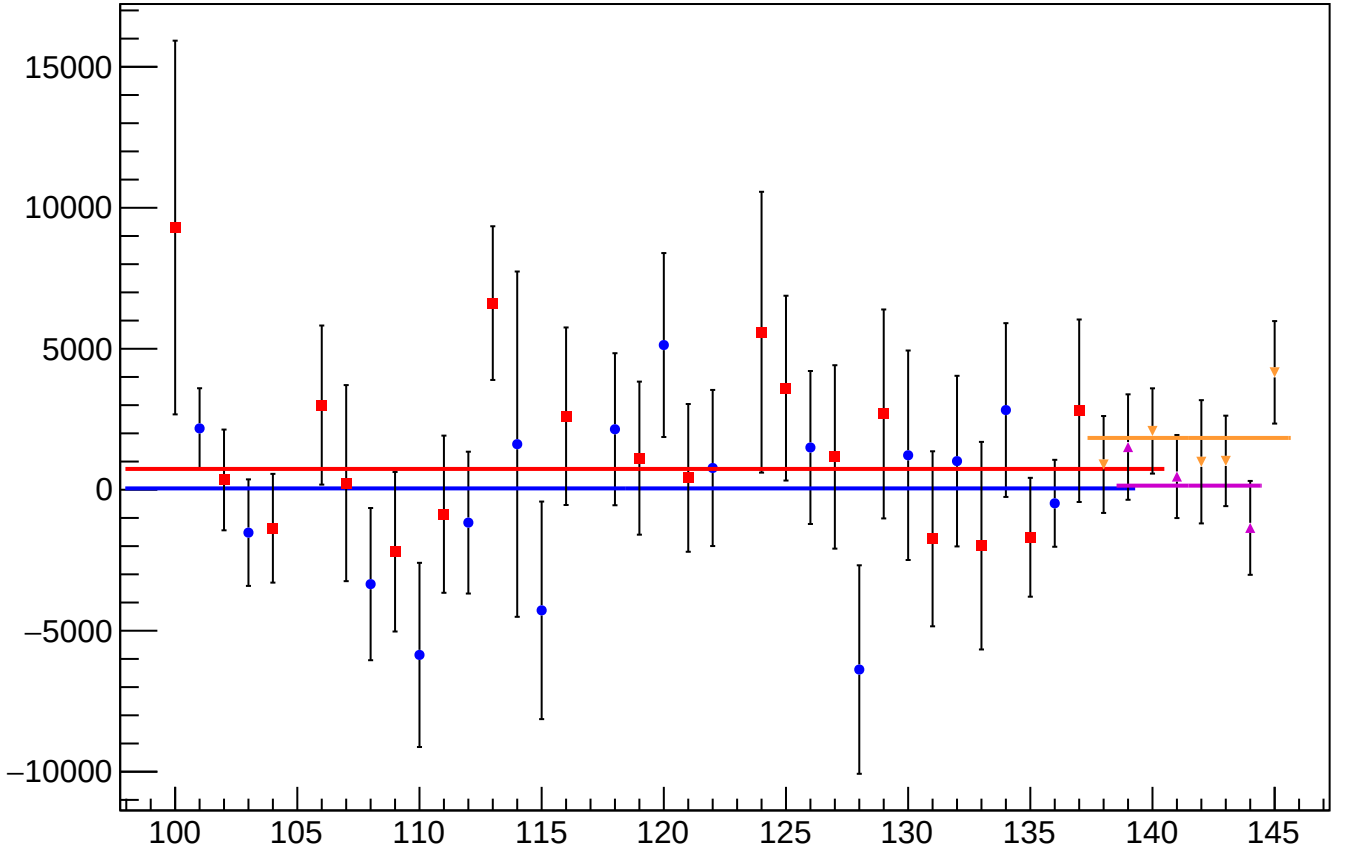
Left In: 1119.230+/-0.488 χ^2/NDF:243.0/2

+ sign 1112.776+/-0.238 χ^2/NDF: 14243.0/20

All: 1113.306+/-0.171 χ^2/NDF: 23311.7/42

- sign 1113.879+/-0.247 χ^2/NDF: 9058.4/21

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

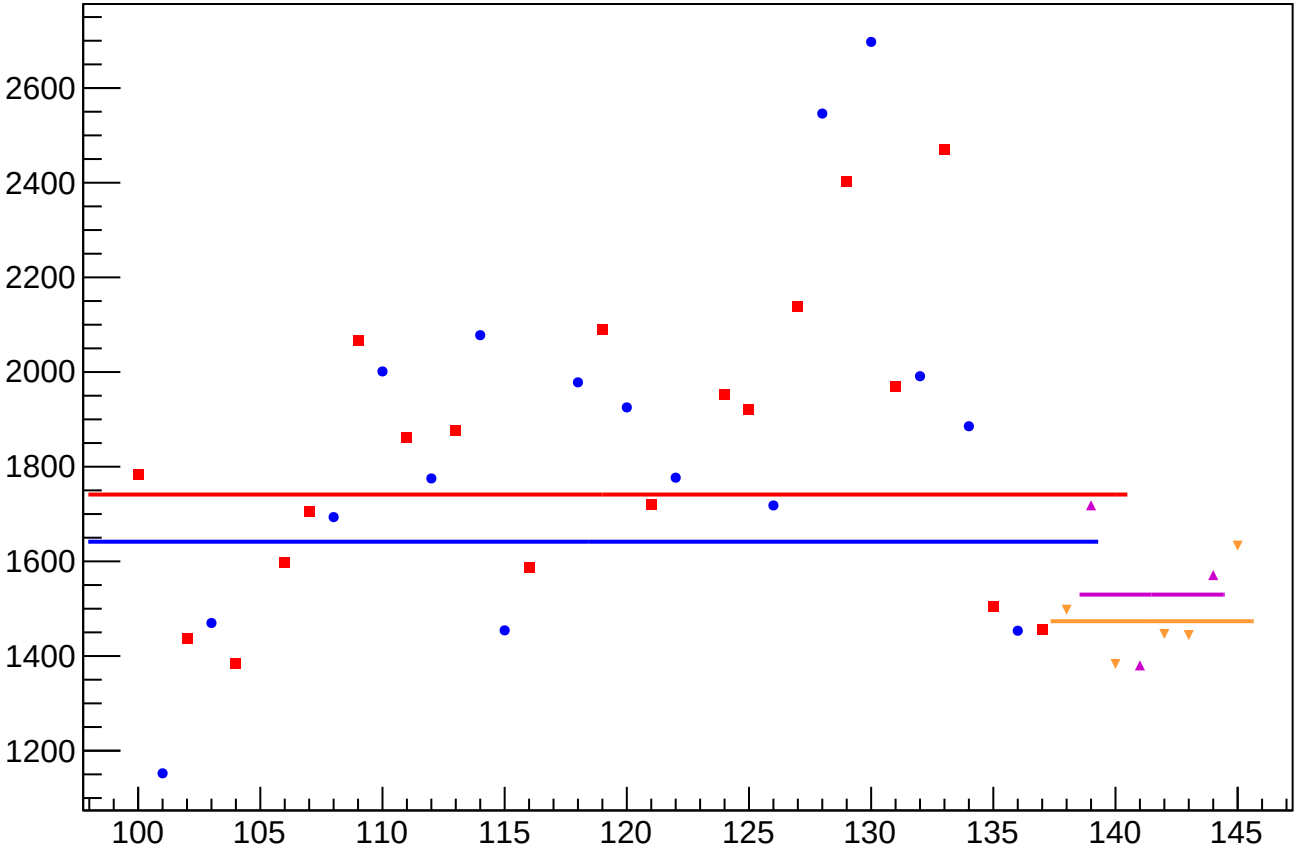
Left In: 145.550+/-950.253 χ^2/NDF:1.4/2

\+ sign 760.233+/-487.288 χ^2/NDF: 22.5/20

All: 665.027+/-360.331 χ^2/NDF: 39.2/42

\- sign 550.154+/-535.254 χ^2/NDF: 16.6/21

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

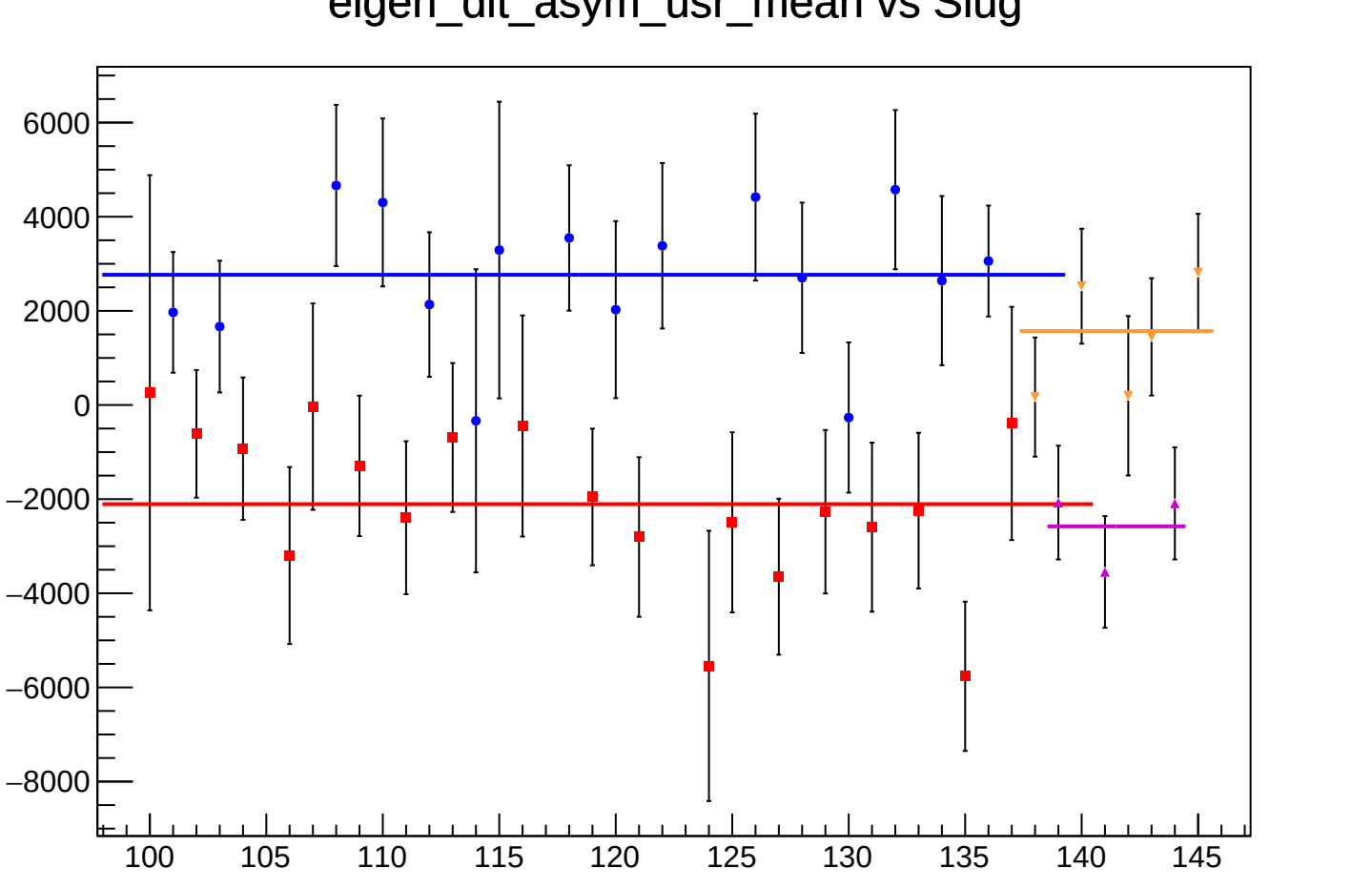
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1529.770+/-0.672 χ^2/NDF:42207.5/2

+ sign 1574.678+/-0.345 χ^2/NDF: 782164.9/20

All: 1619.743+/-0.255 χ^2/NDF: 1368051.8/42

- sign 1674.118+/-0.378 χ^2/NDF: 548141.2/21



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

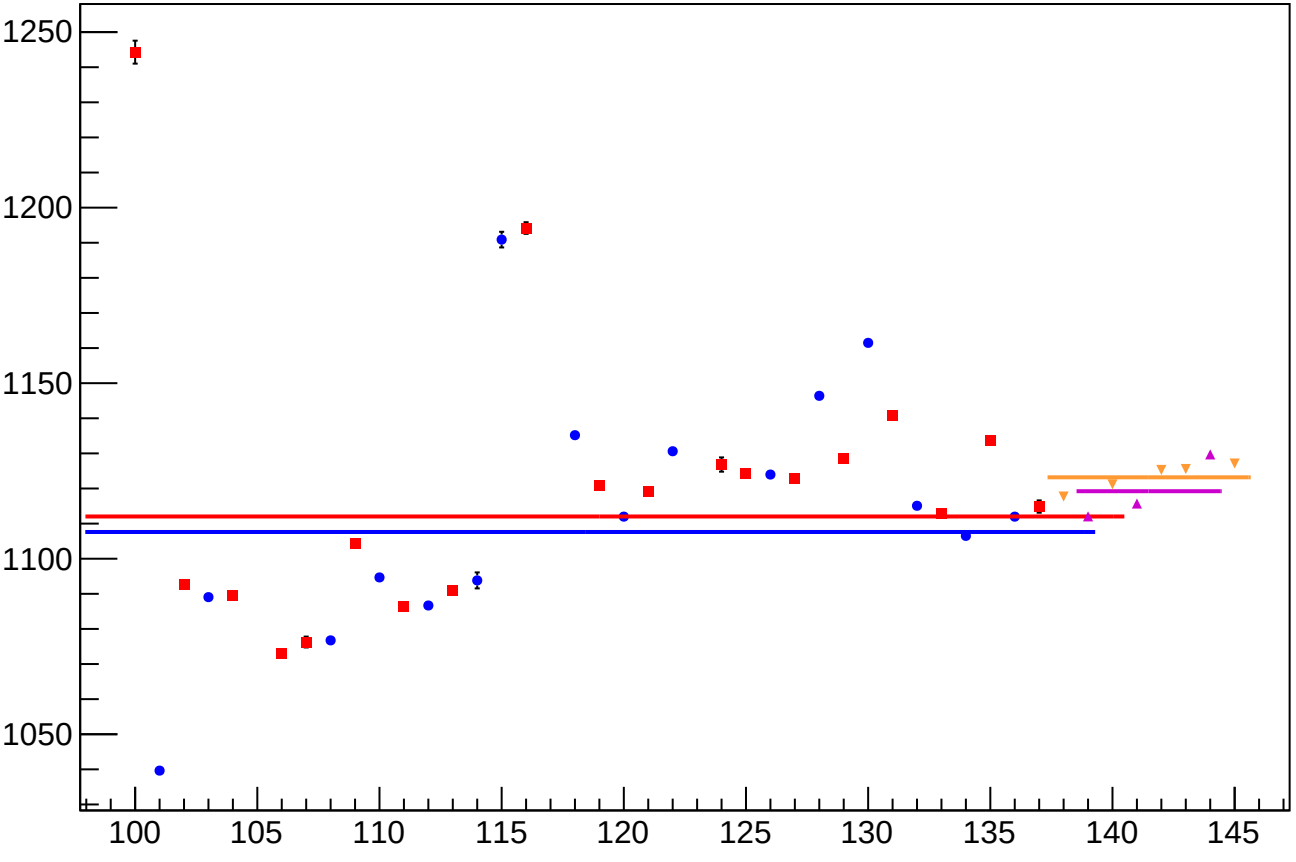
Left In: -2577.739+/-689.915 χ^2/NDF:1.0/2

+ sign 2370.220+/-336.497 χ^2/NDF: 16.6/20

All: 159.450+/-242.454 χ^2/NDF: 121.1/42

- sign -2227.428+/-349.643 χ^2/NDF: 14.7/21

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

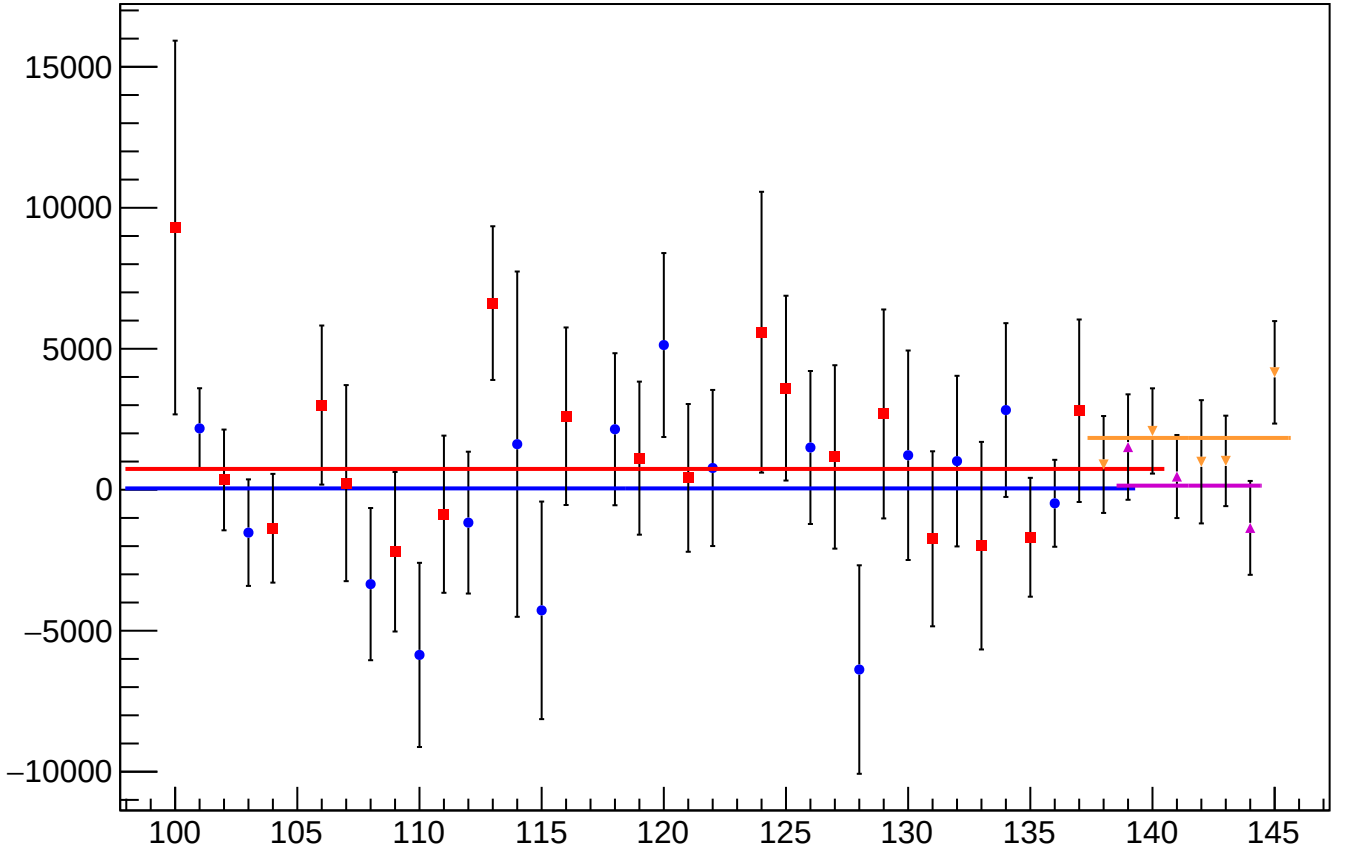
Left In: 1119.230+/-0.488 χ^2/NDF:243.0/2

+ sign 1112.776+/-0.238 χ^2/NDF: 14242.9/20

All: 1113.306+/-0.171 χ^2/NDF: 23311.6/42

- sign 1113.879+/-0.247 χ^2/NDF: 9058.4/21

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

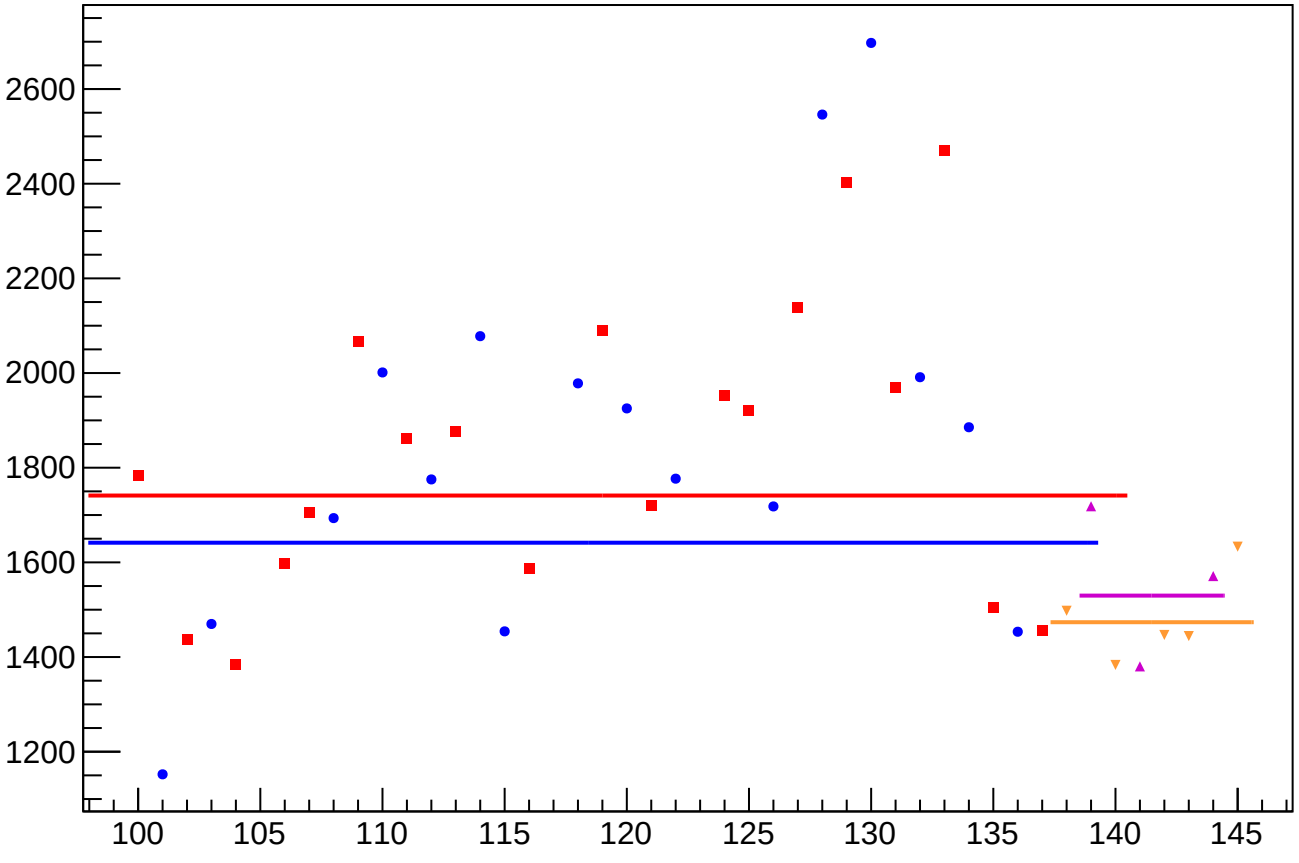
Left In: 145.552+/-950.256 χ^2/NDF:1.4/2

+ sign 760.228+/-487.288 χ^2/NDF: 22.5/20

All: 665.026+/-360.331 χ^2/NDF: 39.2/42

- sign 550.159+/-535.254 χ^2/NDF: 16.6/21

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

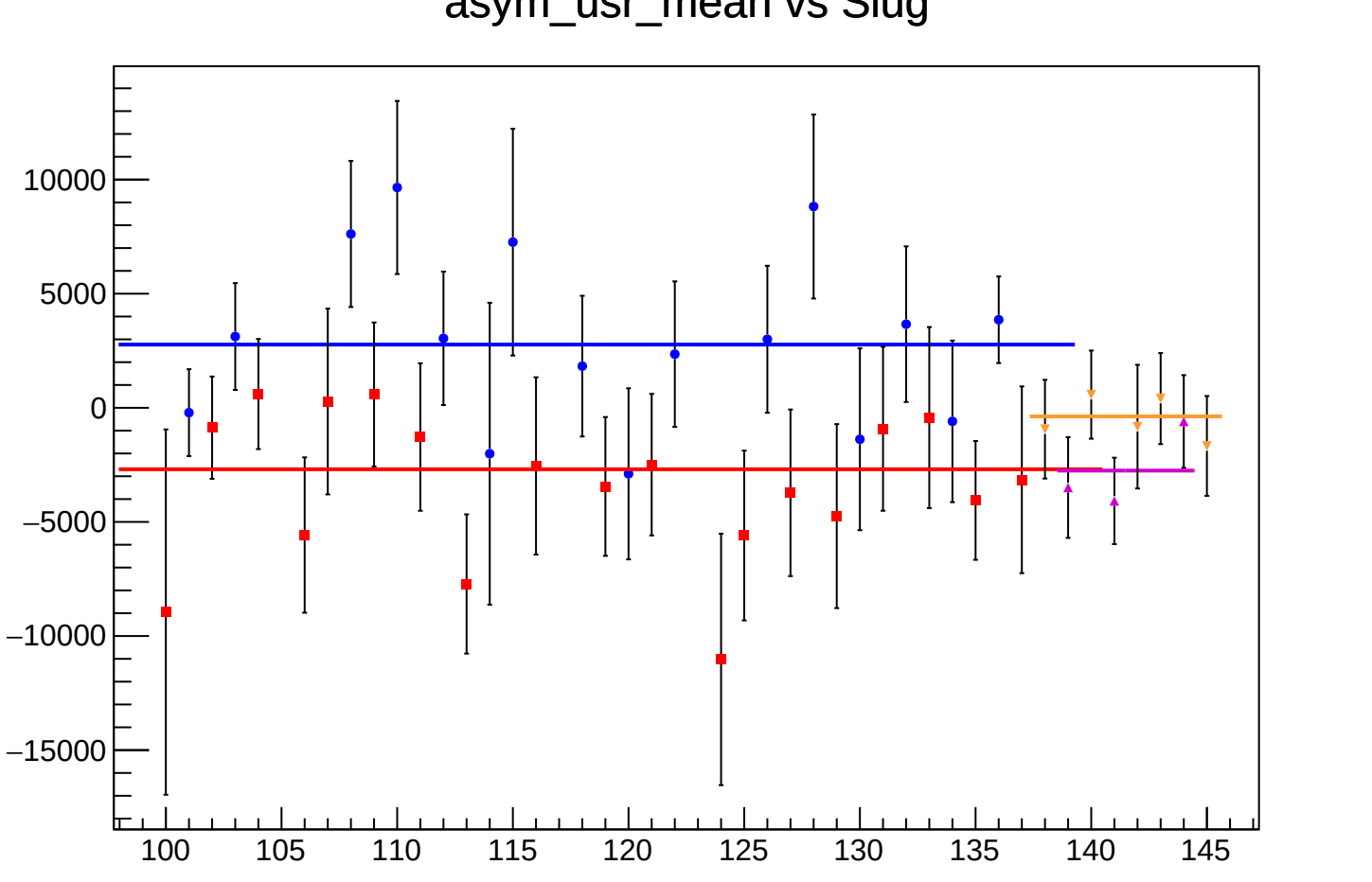
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1529.774+/-0.672 χ^2/NDF:42208.6/2

+ sign 1574.678+/-0.345 χ^2/NDF: 782149.1/20

All: 1619.744+/-0.255 χ^2/NDF: 1368021.0/42

- sign 1674.119+/-0.378 χ^2/NDF: 548126.1/21



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

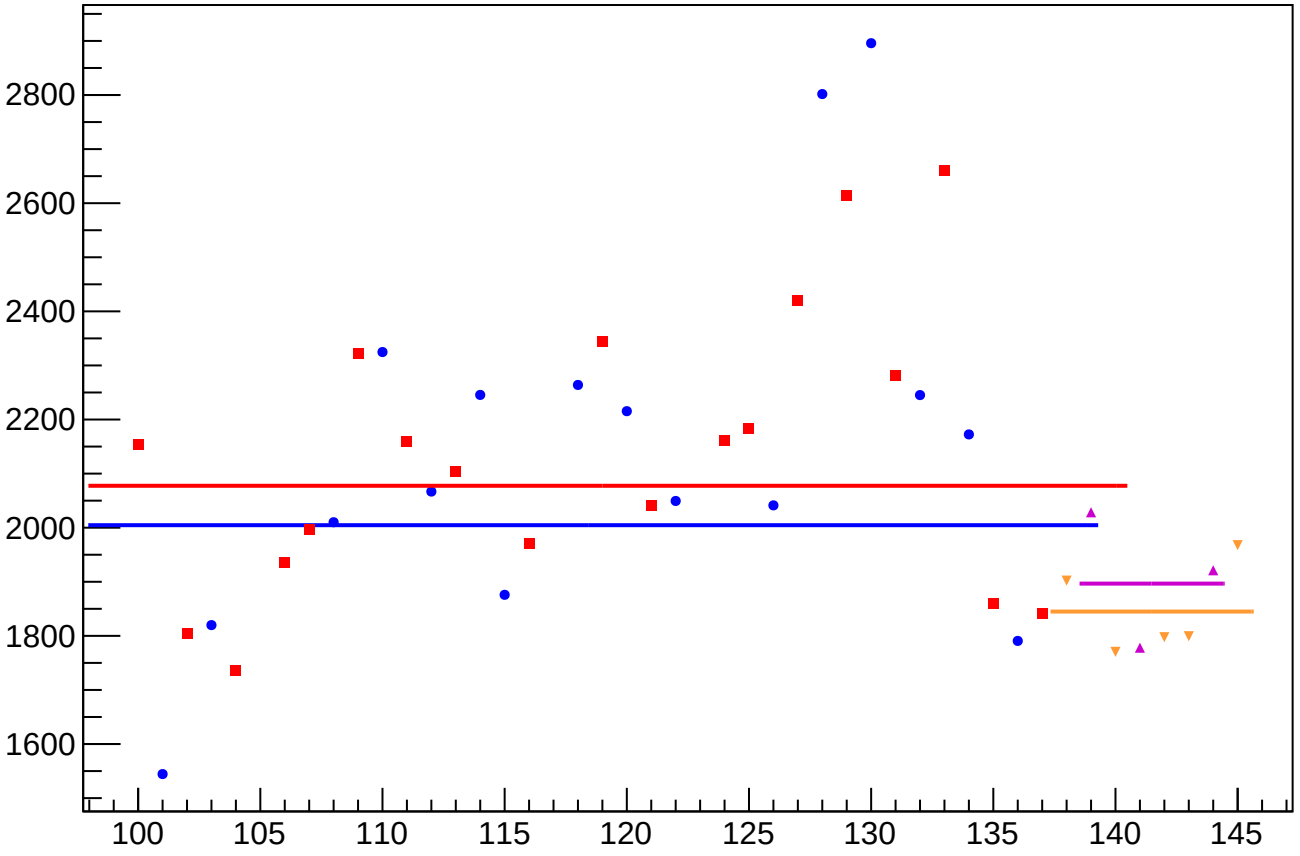
Left In: -2751.807+/-1172.974 χ^2/NDF:1.7/2

+ sign 1567.978+/-595.176 χ^2/NDF: 23.9/20

All: -412.092+/-436.220 χ^2/NDF: 62.1/42

- sign -2710.311+/-641.211 χ^2/NDF: 14.3/21

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

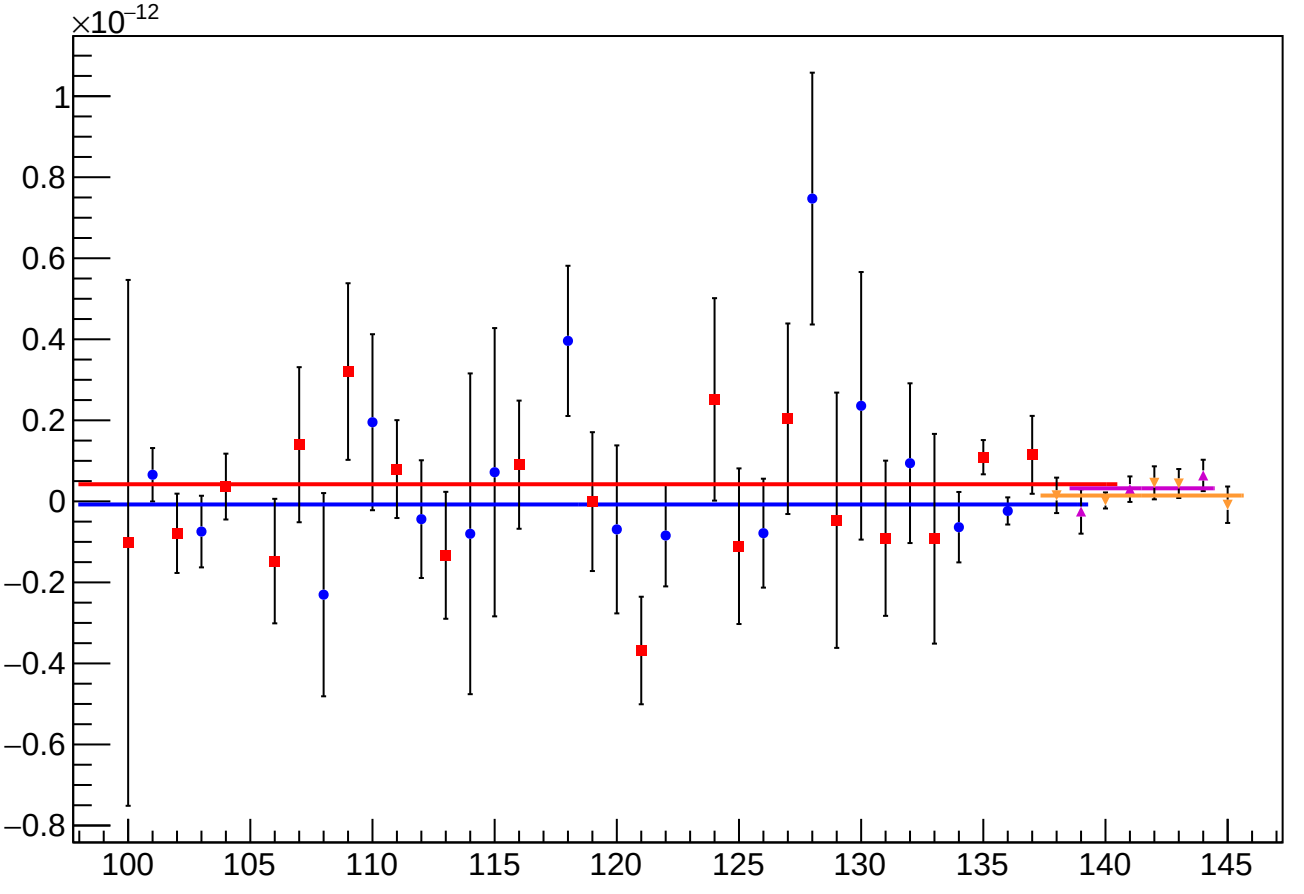
Left In: 1896.615+/-0.829 χ^2/NDF:15266.1/2

+ sign 1943.634+/-0.421 χ^2/NDF: 433891.0/20

All: 1980.572+/-0.308 χ^2/NDF: 729633.3/42

- sign 2023.446+/-0.453 χ^2/NDF: 279096.9/21

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/4

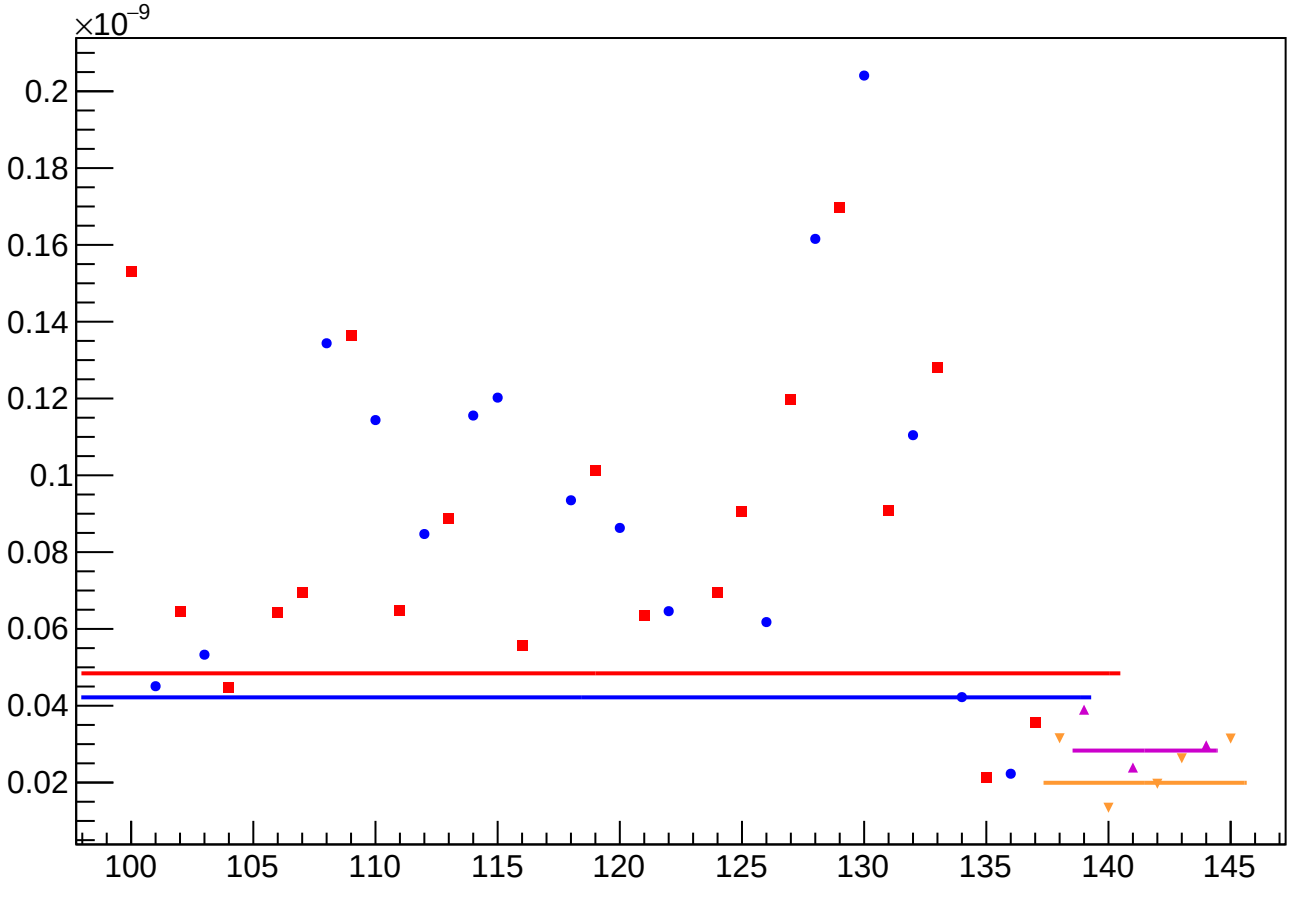
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 19.0/20

All: 0.000+/-0.000 χ^2/NDF: 44.3/42

- sign 0.000+/-0.000 χ^2/NDF: 23.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:550420.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

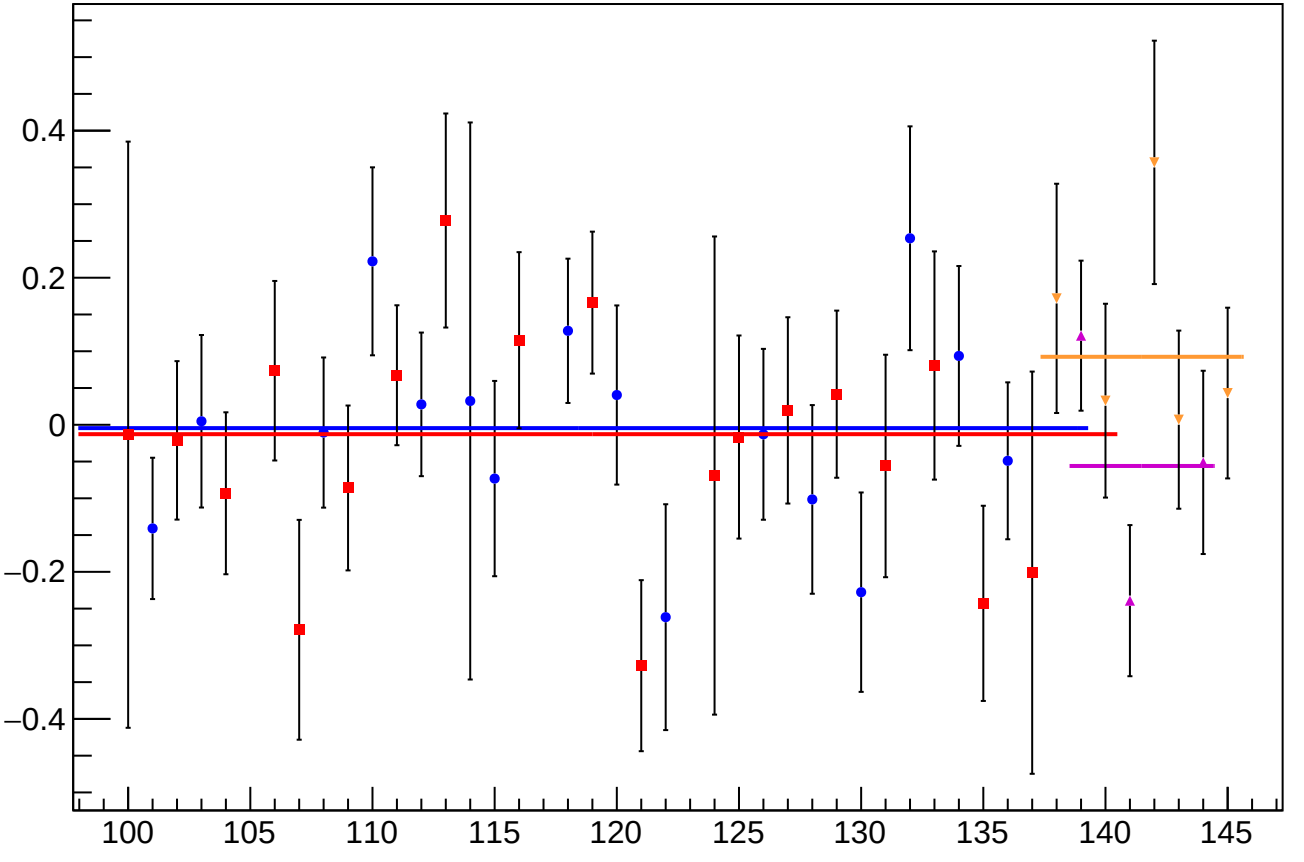
Left In: 0.000+/-0.000 χ^2/NDF:117493.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 4733786.9/20

All: 0.000+/-0.000 χ^2/NDF: 8643821.1/42

- sign 0.000+/-0.000 χ^2/NDF: 3381061.9/21

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

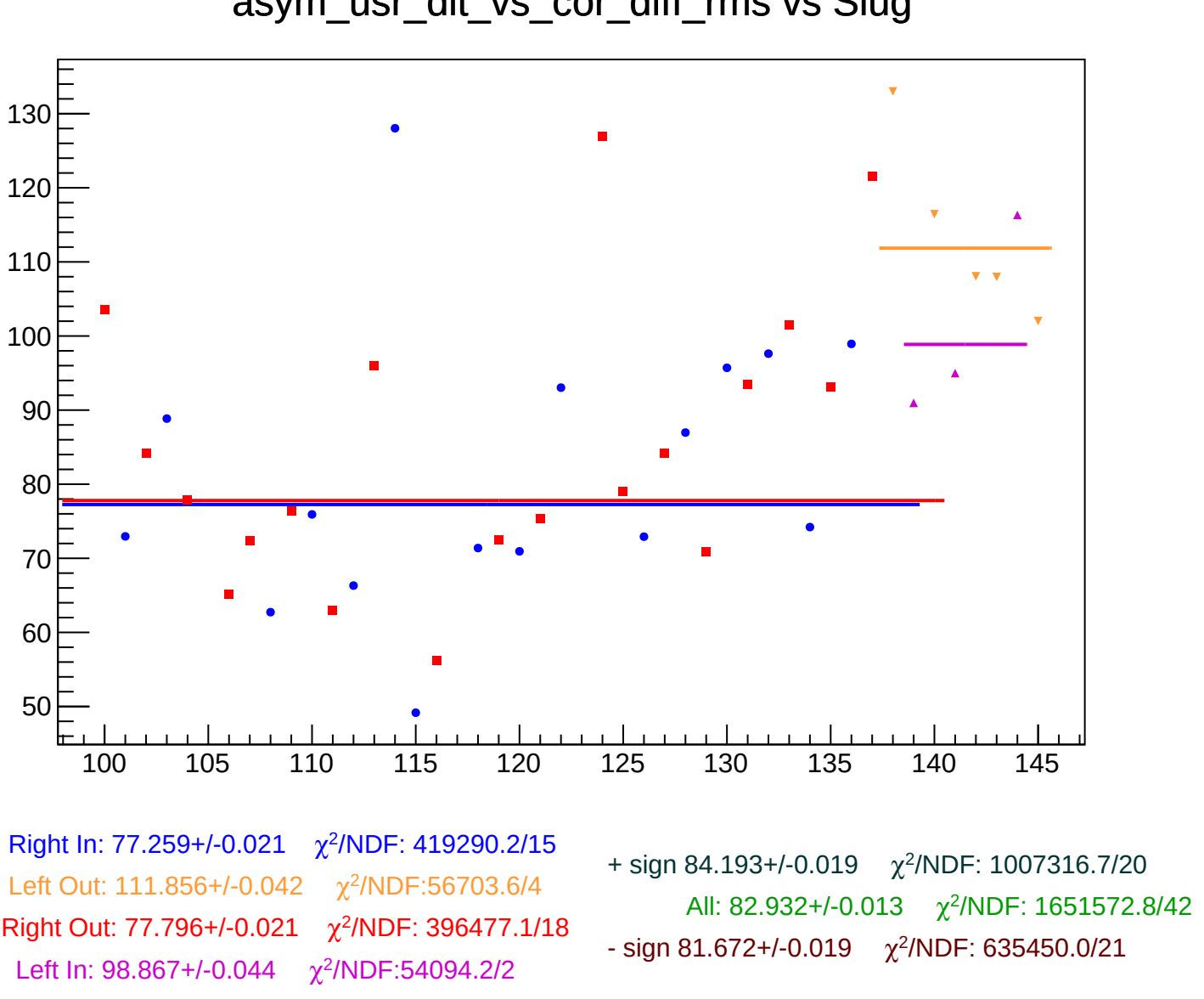
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

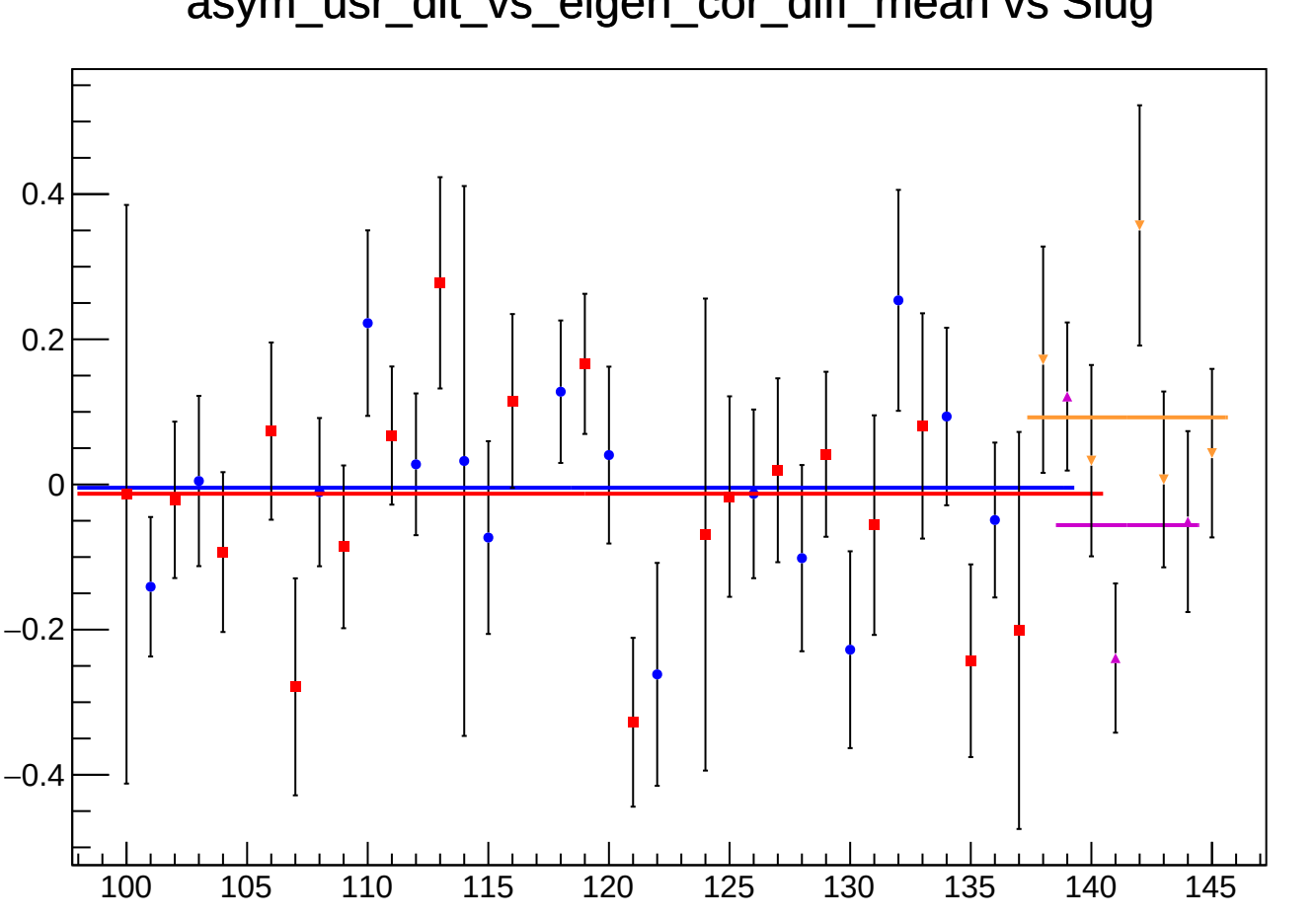
Left In: -0.056+/-0.063 χ^2/NDF:6.2/2

+ sign 0.015+/-0.027 χ^2/NDF: 23.1/20

All: -0.003+/-0.019 χ^2/NDF: 56.0/42

- sign -0.021+/-0.027 χ^2/NDF: 32.1/21


asym_usr_dit_vs_cor_diff_rms vs Slug
130
120
110
100
90
80
70
60
50
100
105
110
115
120
125
130
135
140
145
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: 98.867+/-0.044 χ²/NDF:54094.2/2
+ sign 84.193+/-0.019 χ²/NDF: 1007316.7/20
All: 82.932+/-0.013 χ²/NDF: 1651572.8/42
- sign 81.672+/-0.019 χ²/NDF: 635450.0/21



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

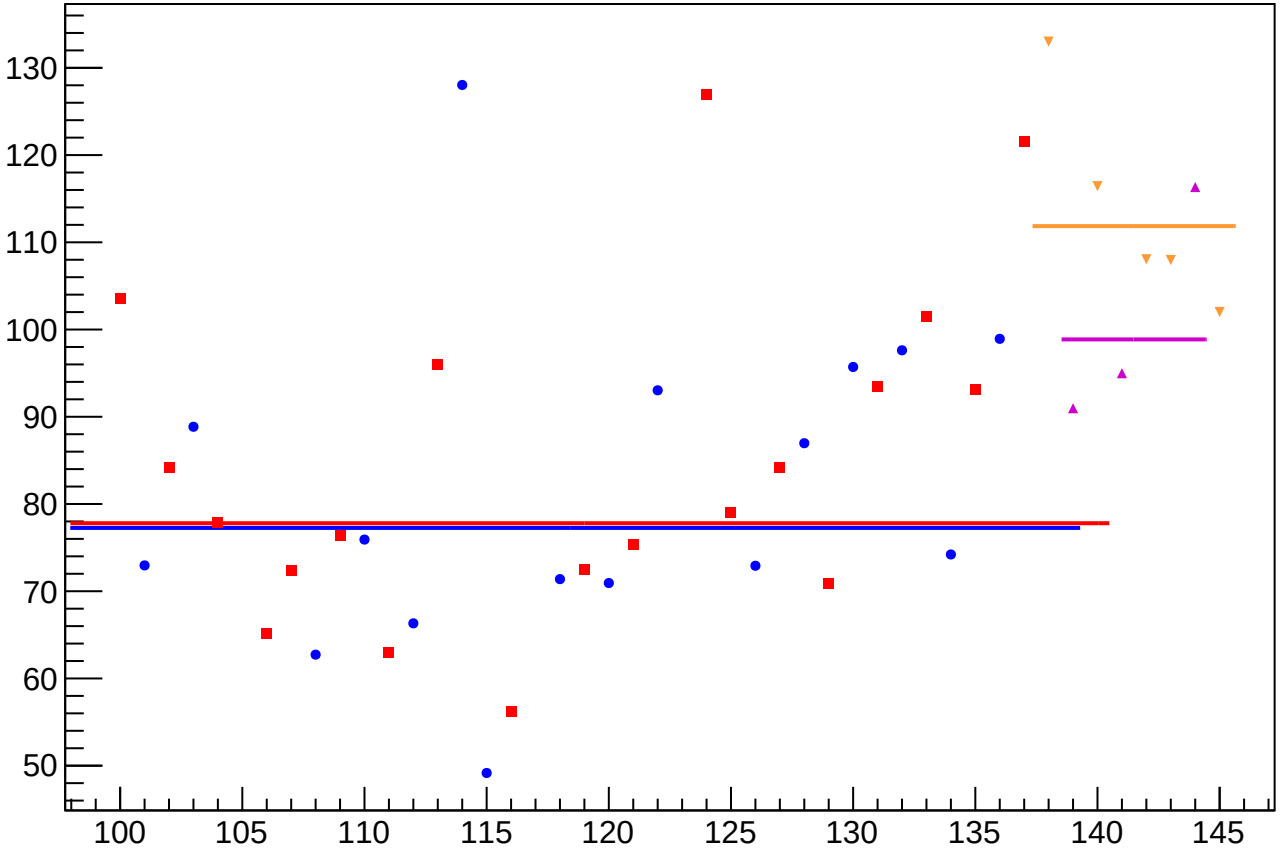
Left In: -0.056+/-0.063 χ^2/NDF:6.2/2

+ sign 0.015+/-0.027 χ^2/NDF: 23.1/20

All: -0.003+/-0.019 χ^2/NDF: 56.0/42

- sign -0.021+/-0.027 χ^2/NDF: 32.1/21

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

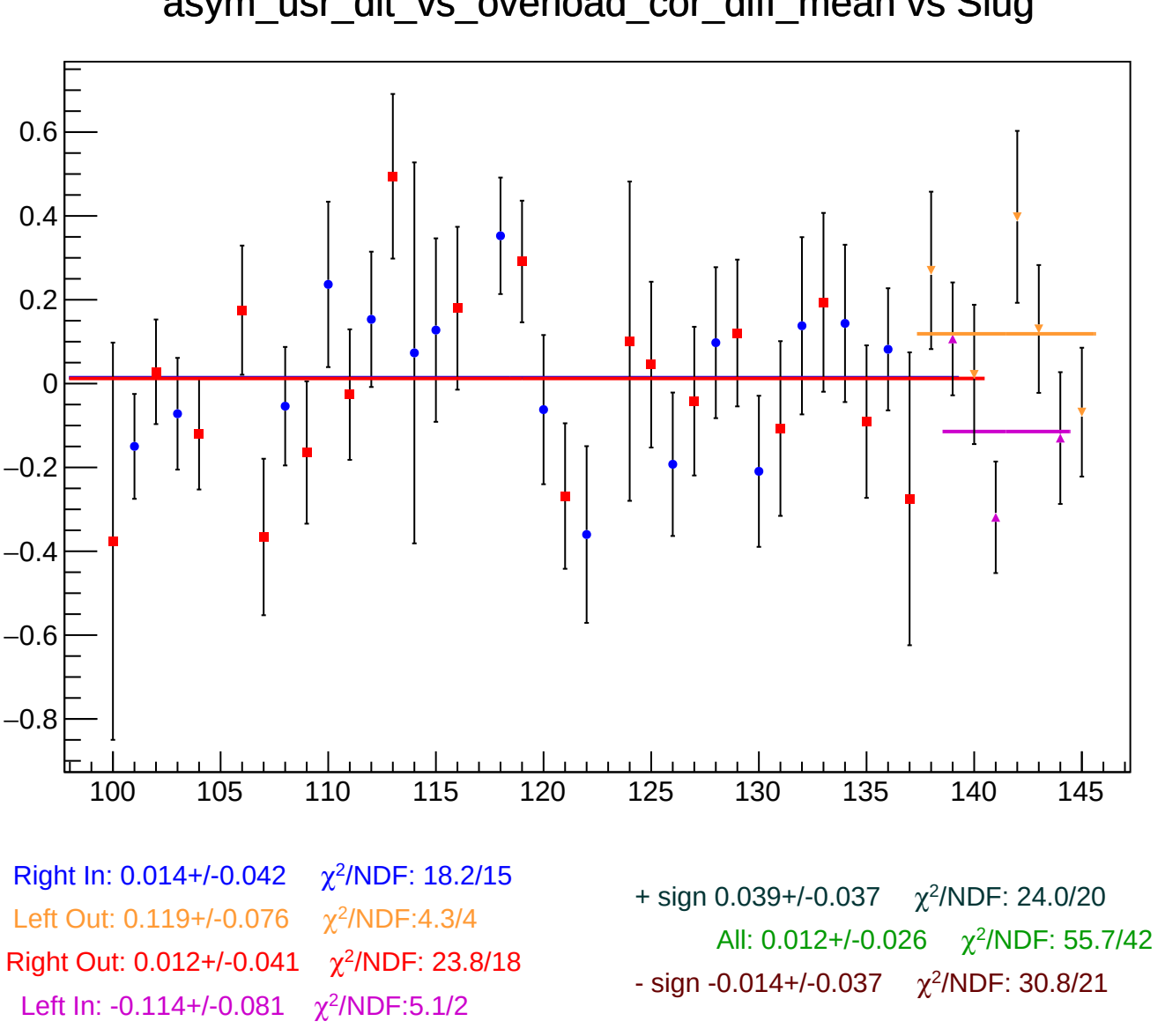
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

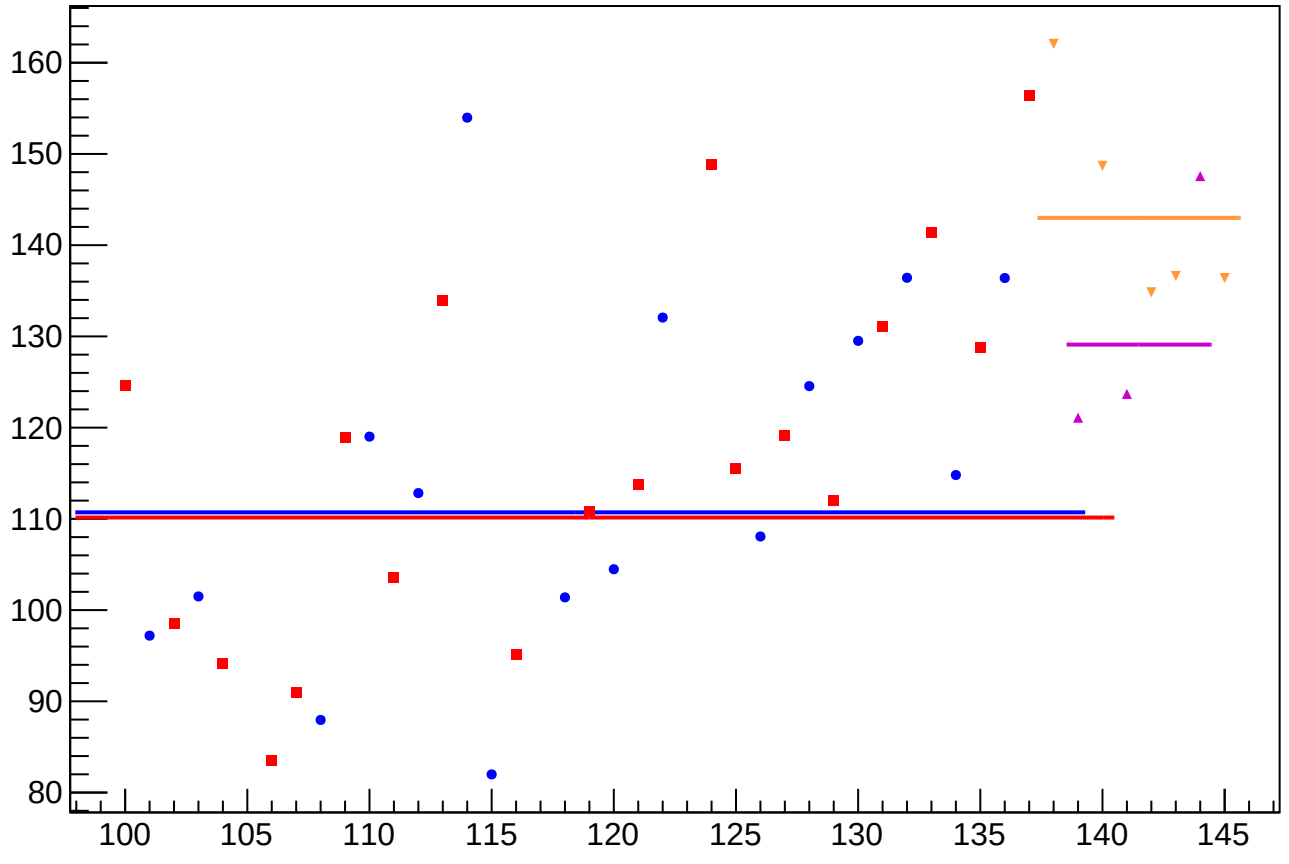
Left In: 98.867+/-0.044 χ^2/NDF:54094.2/2

+ sign 84.193+/-0.019 χ^2/NDF: 1007316.7/20

All: 82.932+/-0.013 χ^2/NDF: 1651572.8/42

- sign 81.672+/-0.019 χ^2/NDF: 635450.0/21


asym_usr_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
145
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.119+/-0.076 χ²/NDF:4.3/4
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.114+/-0.081 χ²/NDF:5.1/2
+ sign 0.039+/-0.037 χ²/NDF: 24.0/20
All: 0.012+/-0.026 χ²/NDF: 55.7/42
- sign -0.014+/-0.037 χ²/NDF: 30.8/21



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

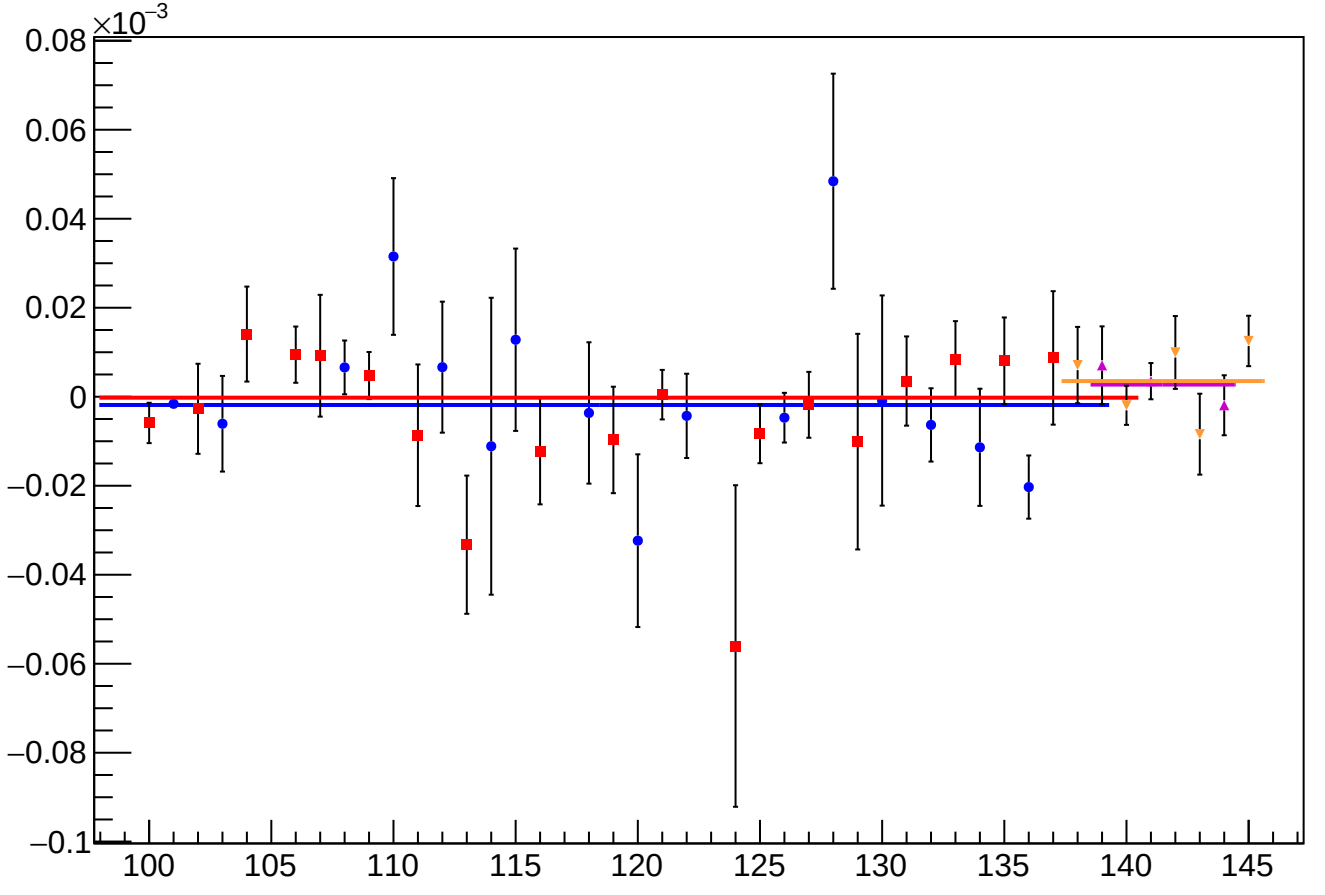
Left In: 129.103+/-0.057 χ^2/NDF:37982.2/2

\+ sign 118.360+/-0.026 χ^2/NDF: 609579.7/20

All: 116.200+/-0.018 χ^2/NDF: 1074758.4/42

\- sign 114.052+/-0.026 χ^2/NDF: 451525.0/21

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

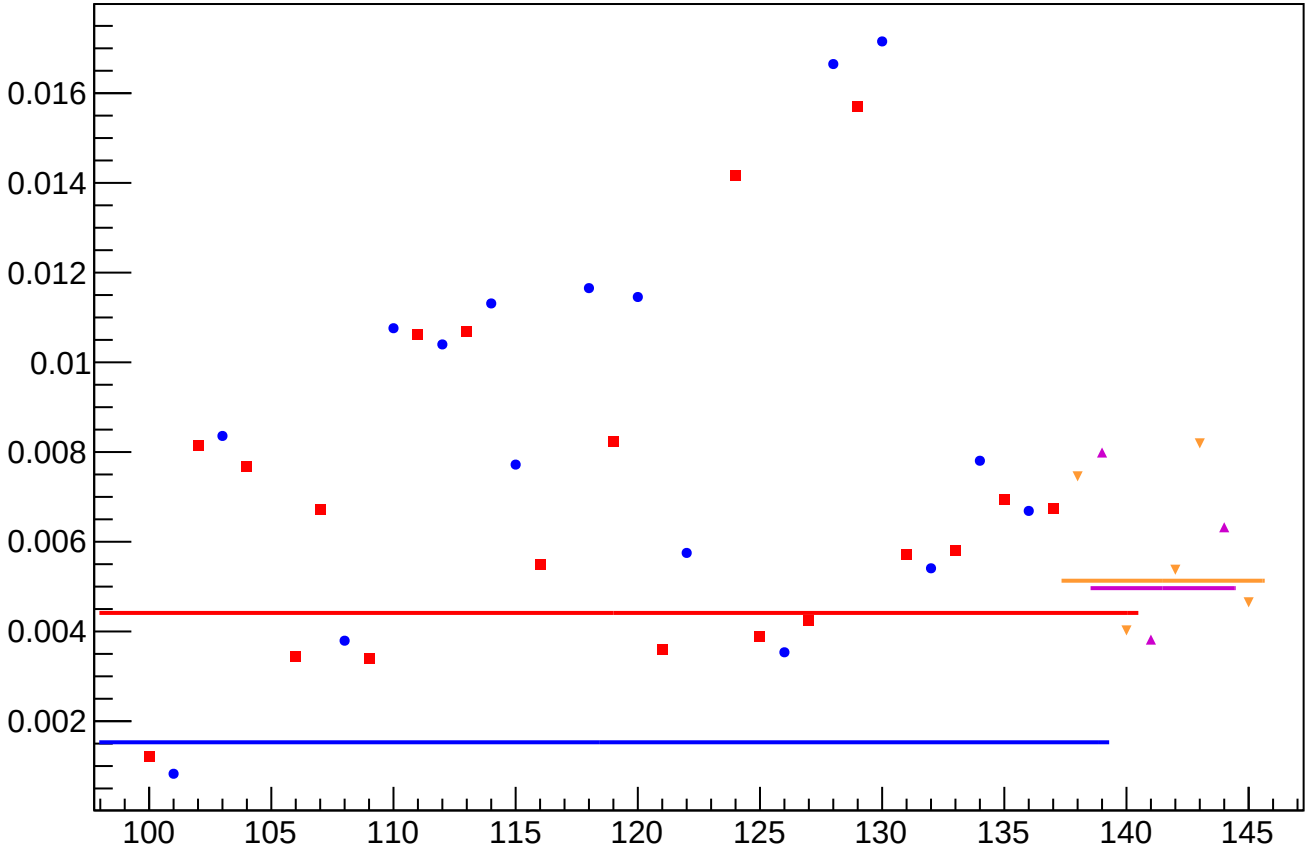
Left In: 0.000+/-0.000 χ^2/NDF:0.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/20

All: -0.000+/-0.000 χ^2/NDF: 53.4/42

- sign 0.000+/-0.000 χ^2/NDF: 21.3/21

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

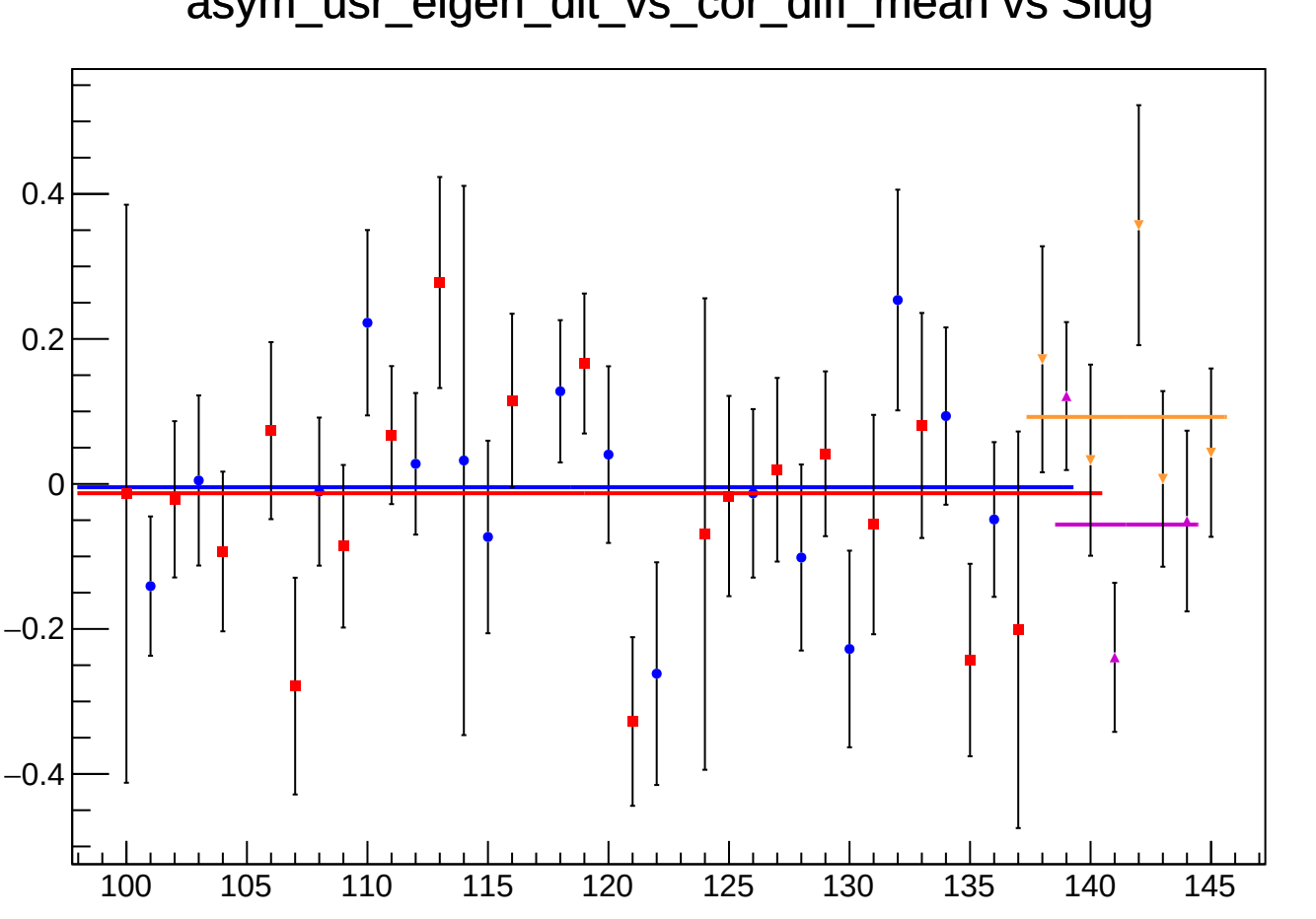
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:478224.6/2

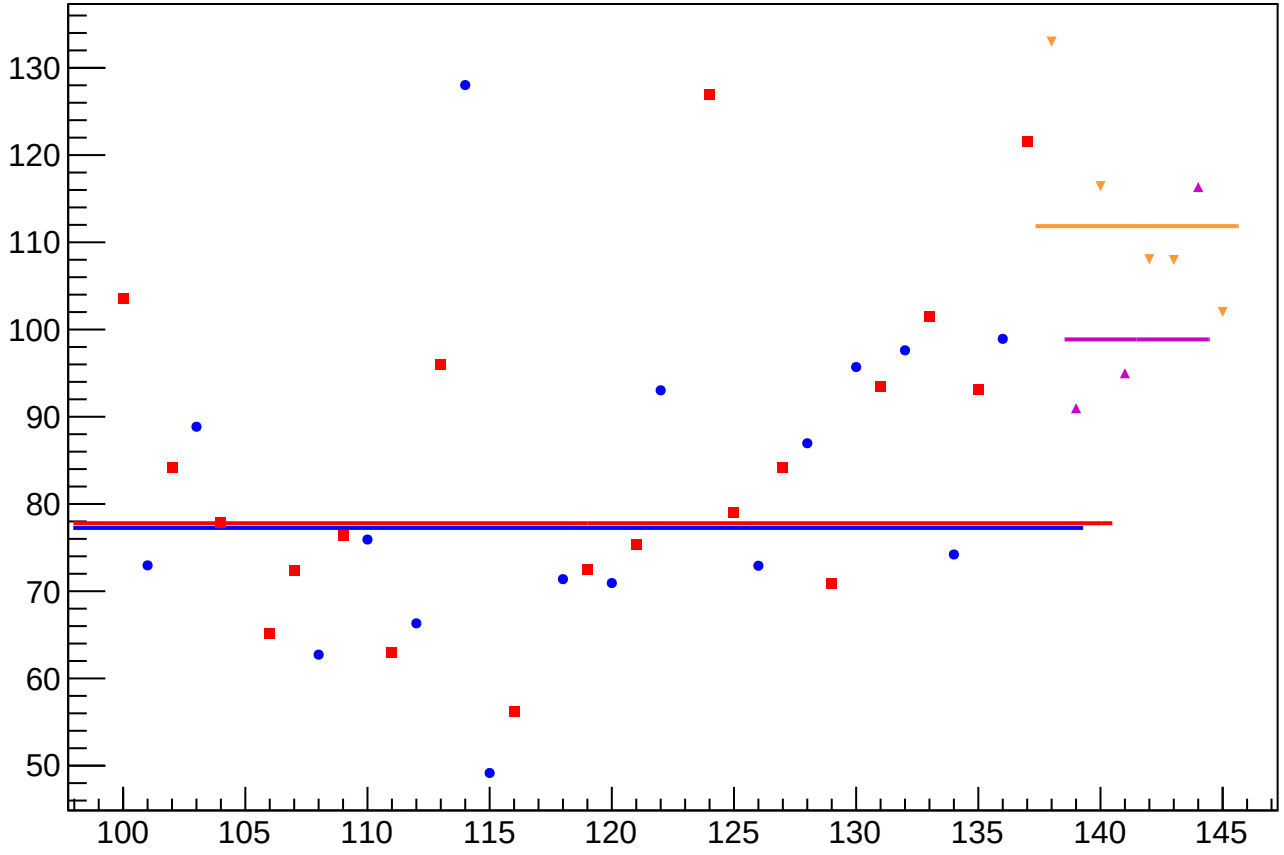
+ sign 0.002+/-0.000 χ^2/NDF: 12608821.2/20

All: 0.003+/-0.000 χ^2/NDF: 20437791.0/42

- sign 0.005+/-0.000 χ^2/NDF: 3909280.6/21


asym_usr_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
140
145
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.092+/-0.060 χ²/NDF:3.7/4
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.056+/-0.063 χ²/NDF:6.2/2
+ sign 0.015+/-0.027 χ²/NDF: 23.1/20
All: -0.003+/-0.019 χ²/NDF: 56.0/42
- sign -0.021+/-0.027 χ²/NDF: 32.1/21

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

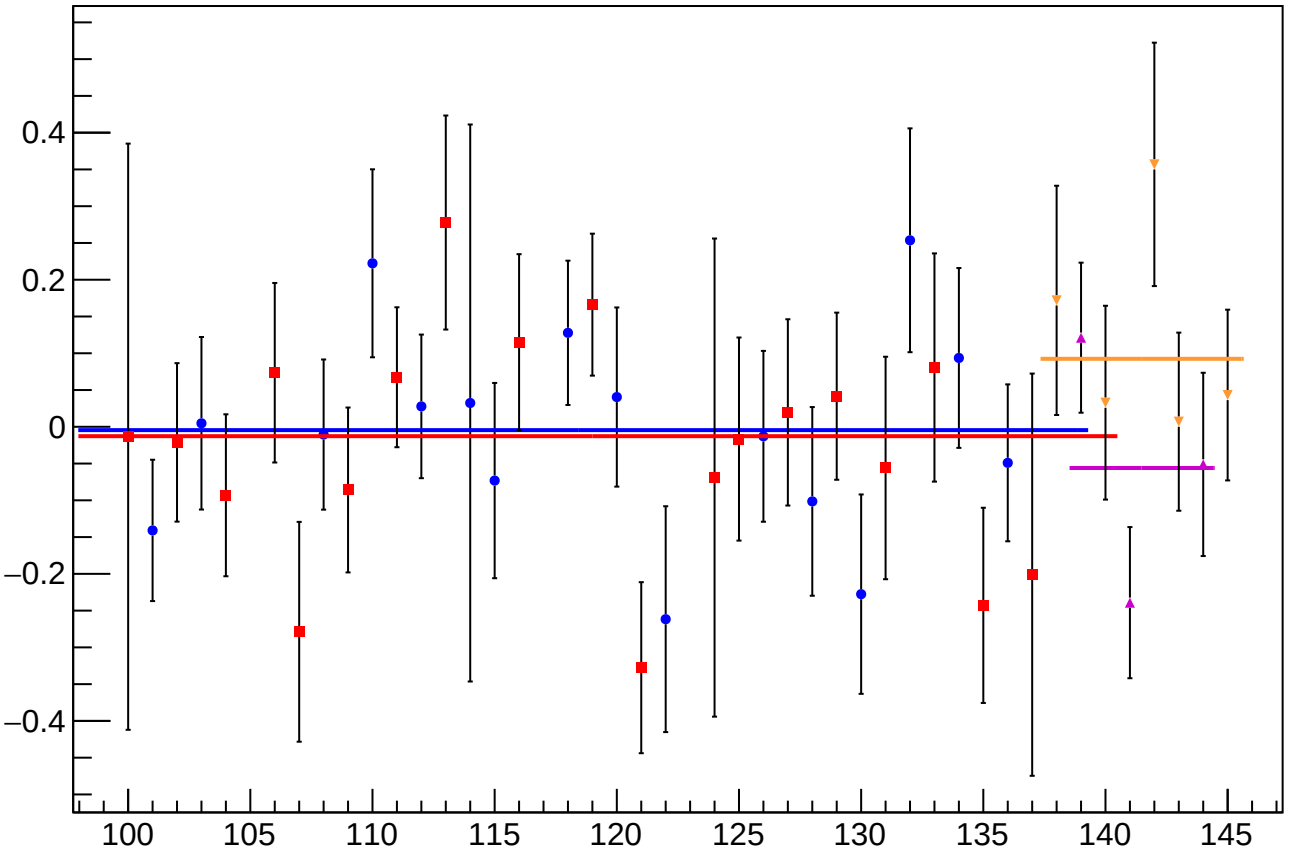
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 98.868+/-0.044 χ^2/NDF:54090.6/2

+ sign 84.192+/-0.019 χ^2/NDF: 1007365.0/20

All: 82.930+/-0.013 χ^2/NDF: 1651652.2/42

- sign 81.671+/-0.019 χ^2/NDF: 635481.4/21



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

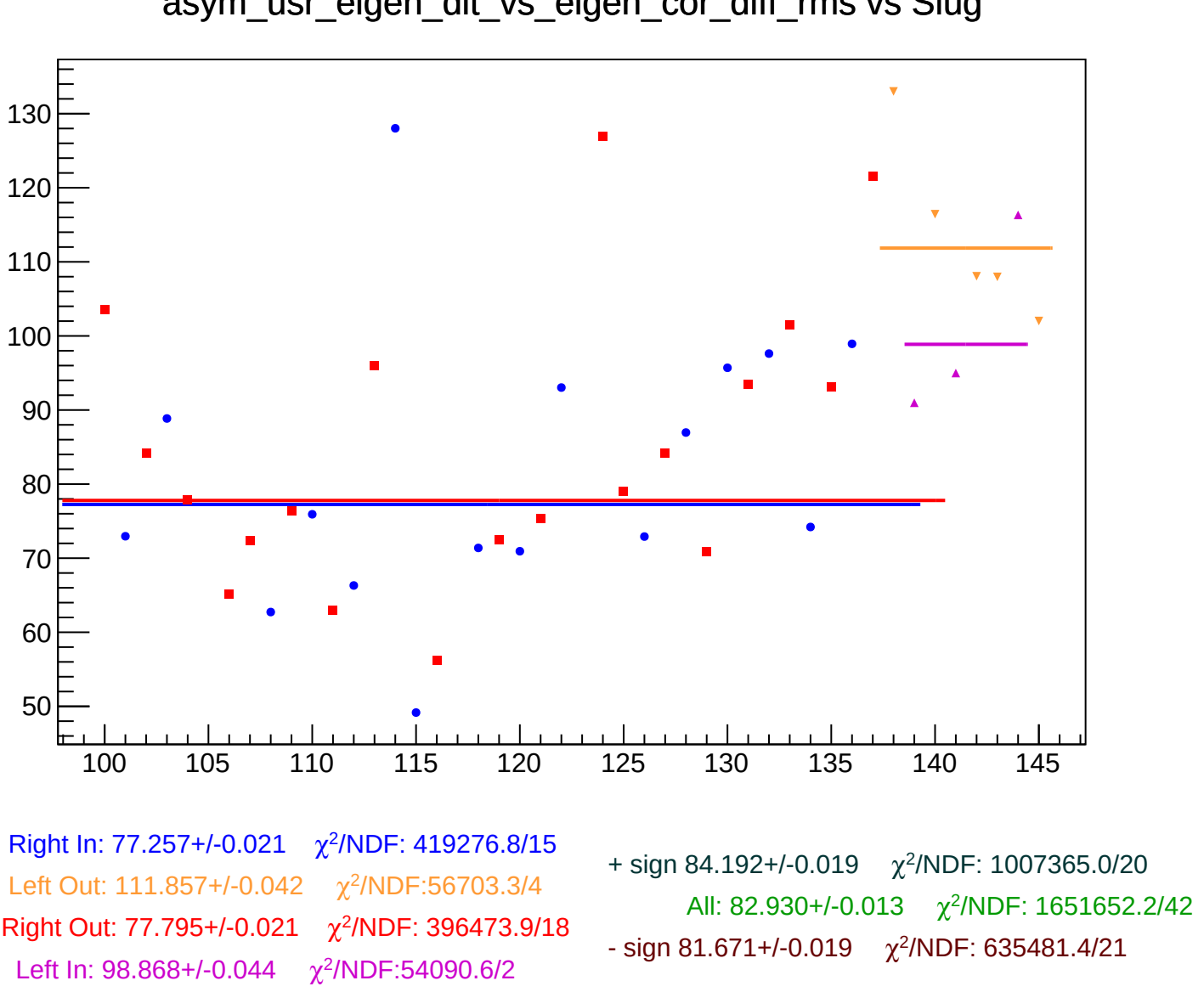
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.056+/-0.063 χ^2/NDF:6.2/2

+ sign 0.015+/-0.027 χ^2/NDF: 23.1/20

All: -0.003+/-0.019 χ^2/NDF: 56.0/42

- sign -0.021+/-0.027 χ^2/NDF: 32.1/21


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug
130
120
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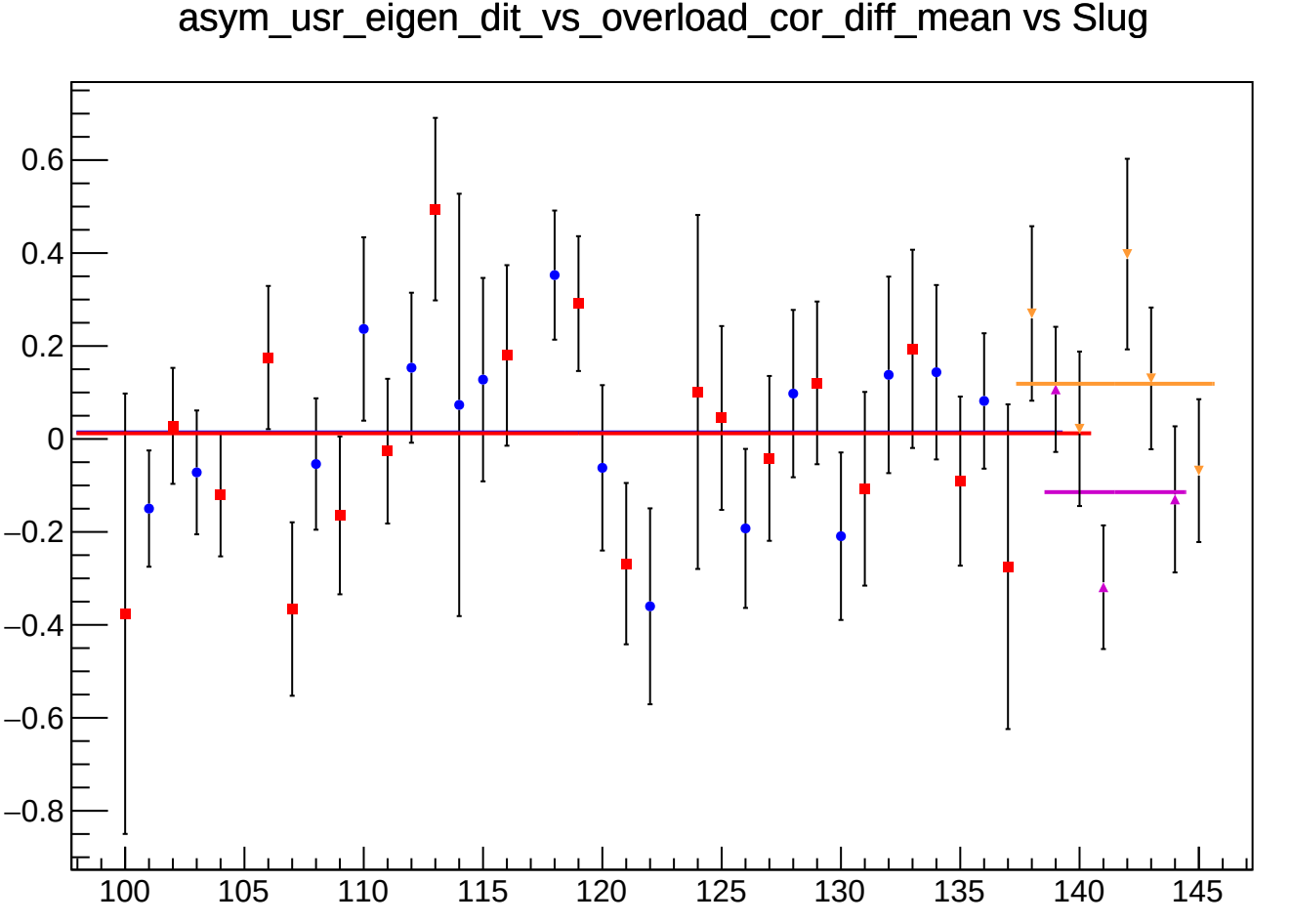
130
135
140
145
Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
Left Out: 111.857+/-0.042 χ²/NDF:56703.3/4
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 98.868+/-0.044 χ²/NDF:54090.6/2
+ sign 84.192+/-0.019 χ²/NDF: 1007365.0/20
All: 82.930+/-0.013 χ²/NDF: 1651652.2/42
- sign 81.671+/-0.019 χ²/NDF: 635481.4/21



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.119+/-0.076 χ^2/NDF:4.3/4

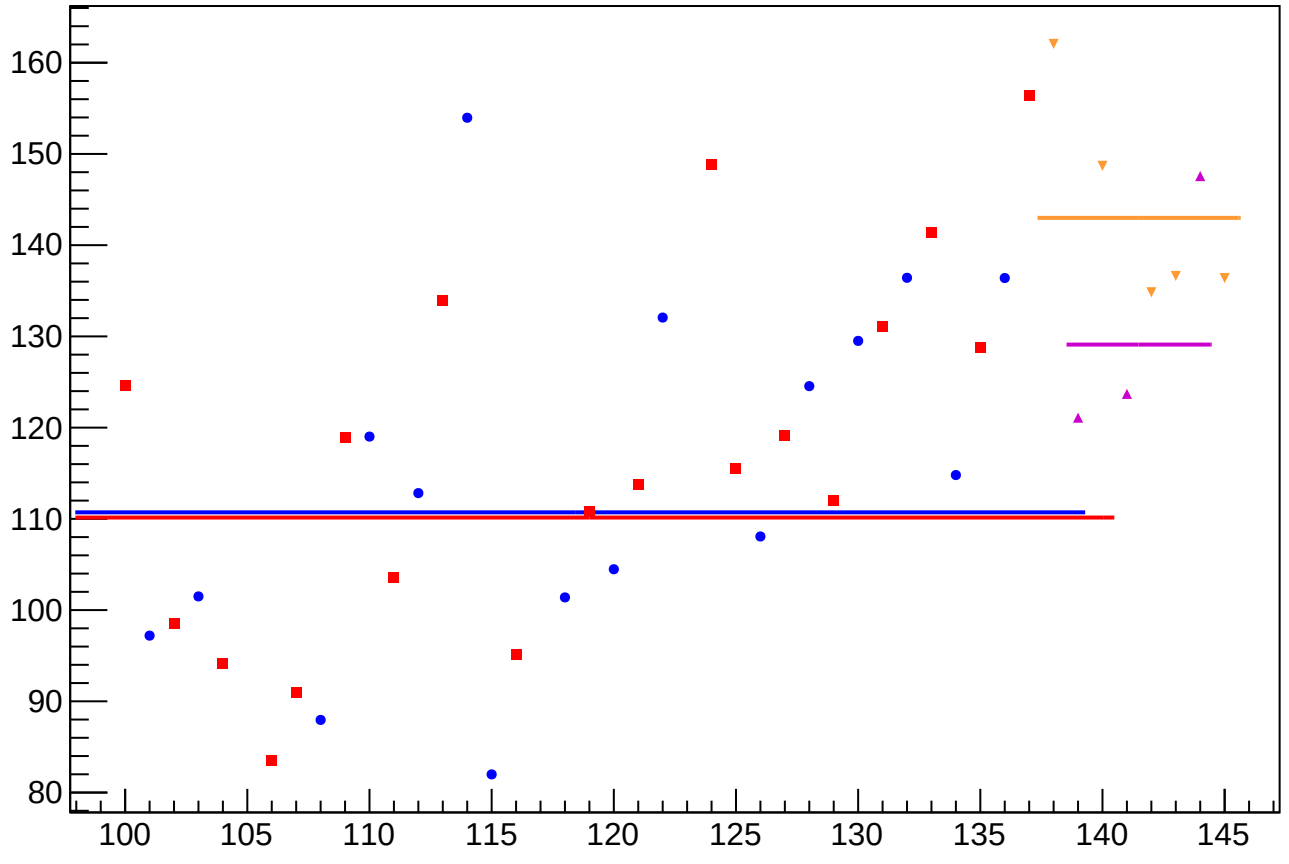
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.114+/-0.081 χ^2/NDF:5.1/2

+ sign 0.039+/-0.037 χ^2/NDF: 24.0/20

All: 0.012+/-0.026 χ^2/NDF: 55.7/42

- sign -0.014+/-0.037 χ^2/NDF: 30.8/21



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 142.994+/-0.054 χ^2/NDF:33339.5/4

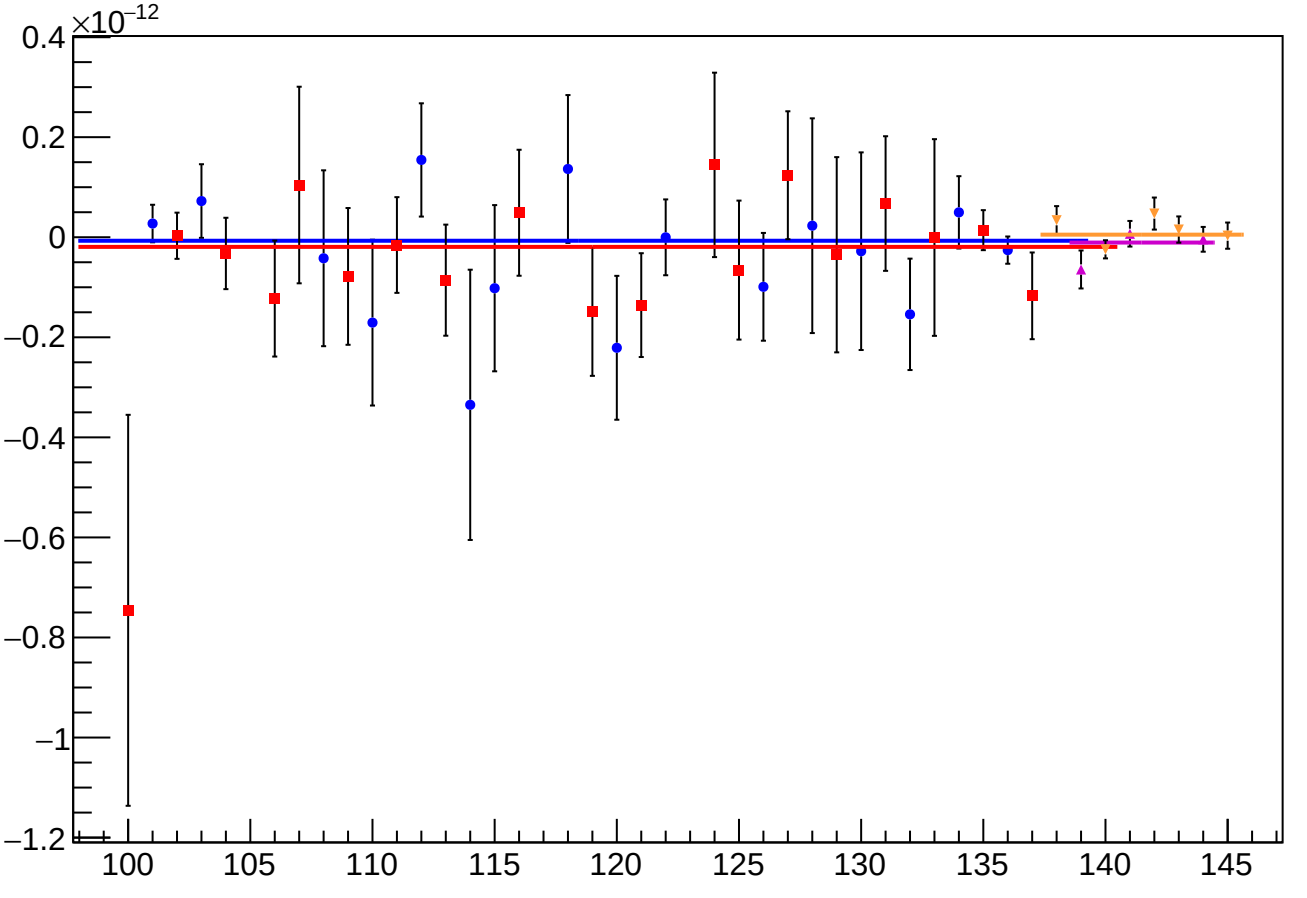
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 129.103+/-0.057 χ^2/NDF:37980.8/2

+ sign 118.360+/-0.026 χ^2/NDF: 609574.4/20

All: 116.199+/-0.018 χ^2/NDF: 1074732.6/42

- sign 114.052+/-0.026 χ^2/NDF: 451505.4/21



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.5/4

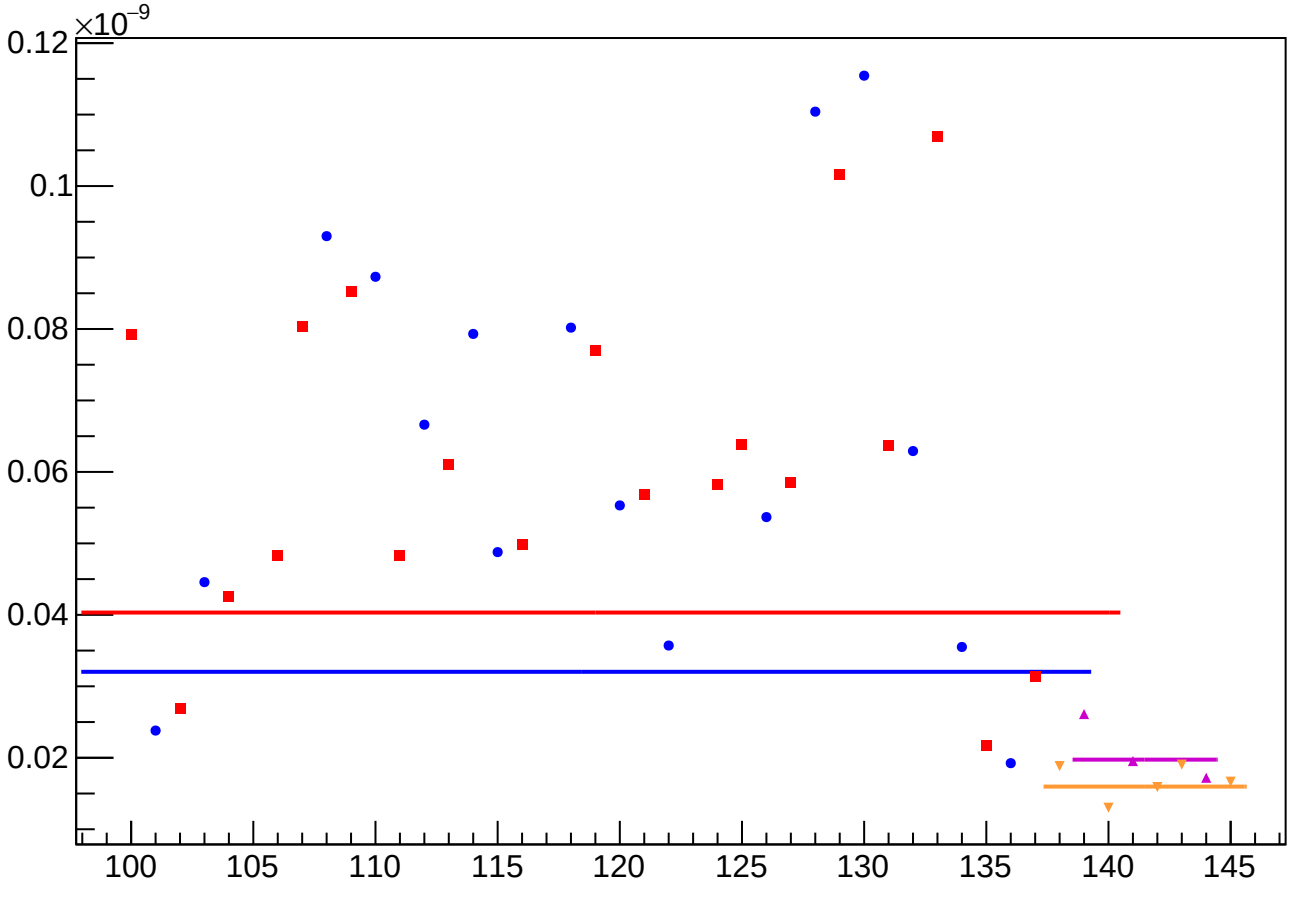
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 19.5/20

All: -0.000+/-0.000 χ^2/NDF: 35.7/42

- sign -0.000+/-0.000 χ^2/NDF: 15.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:102503.9/4

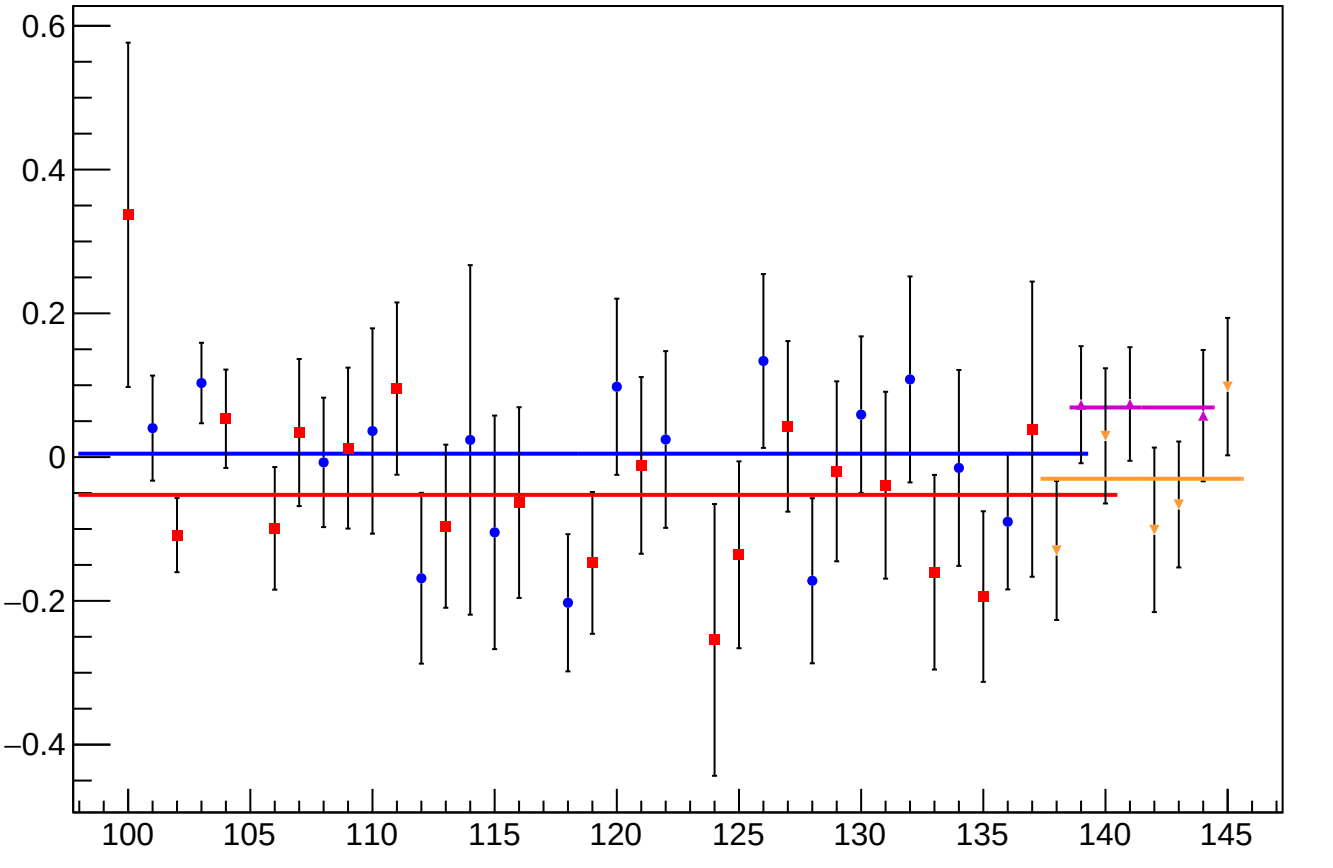
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:77580.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 3725665.8/20

All: 0.000+/-0.000 χ^2/NDF: 7248624.7/42

- sign 0.000+/-0.000 χ^2/NDF: 3144090.3/21



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

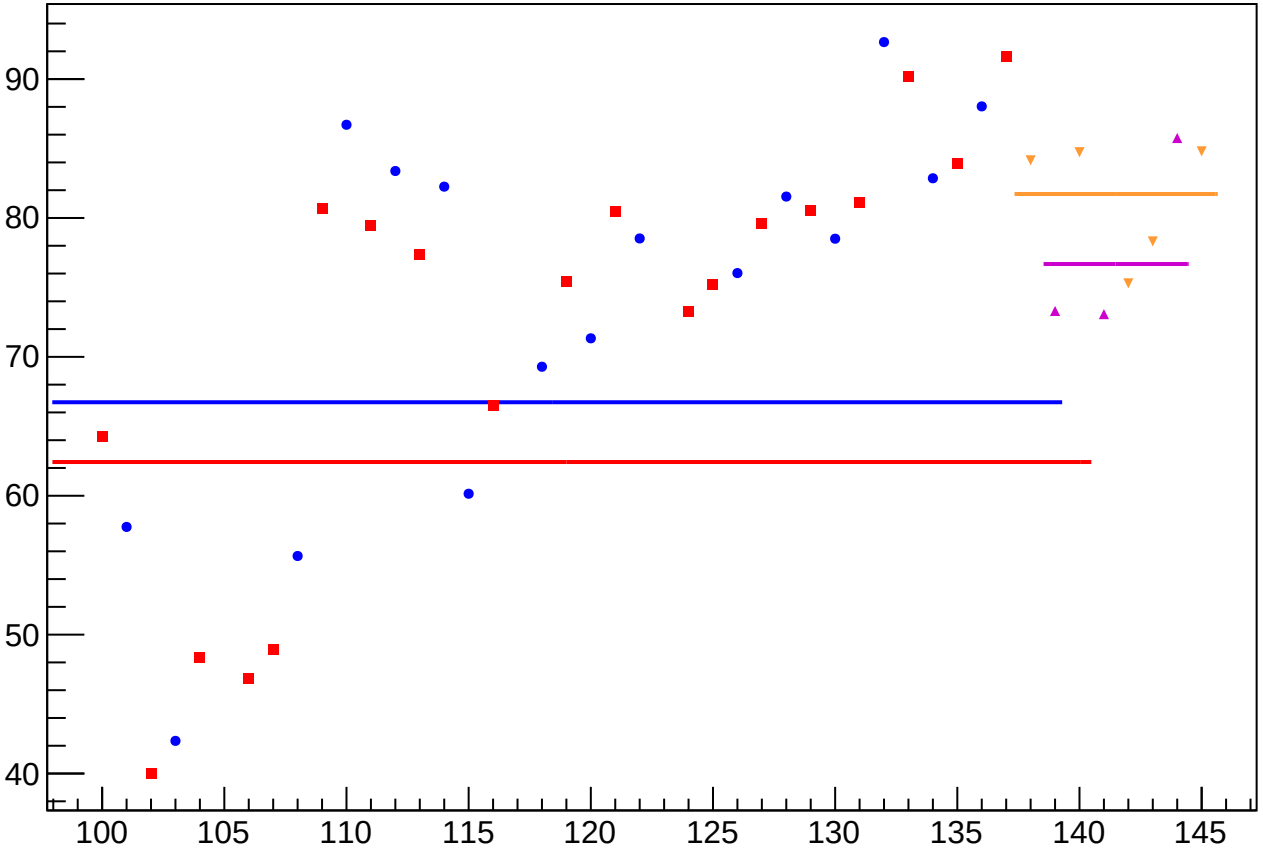
Left In: 0.069+/-0.048 χ^2/NDF:0.0/2

+ sign -0.004+/-0.022 χ^2/NDF: 20.9/20

All: -0.017+/-0.015 χ^2/NDF: 41.4/42

- sign -0.028+/-0.022 χ^2/NDF: 19.9/21

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

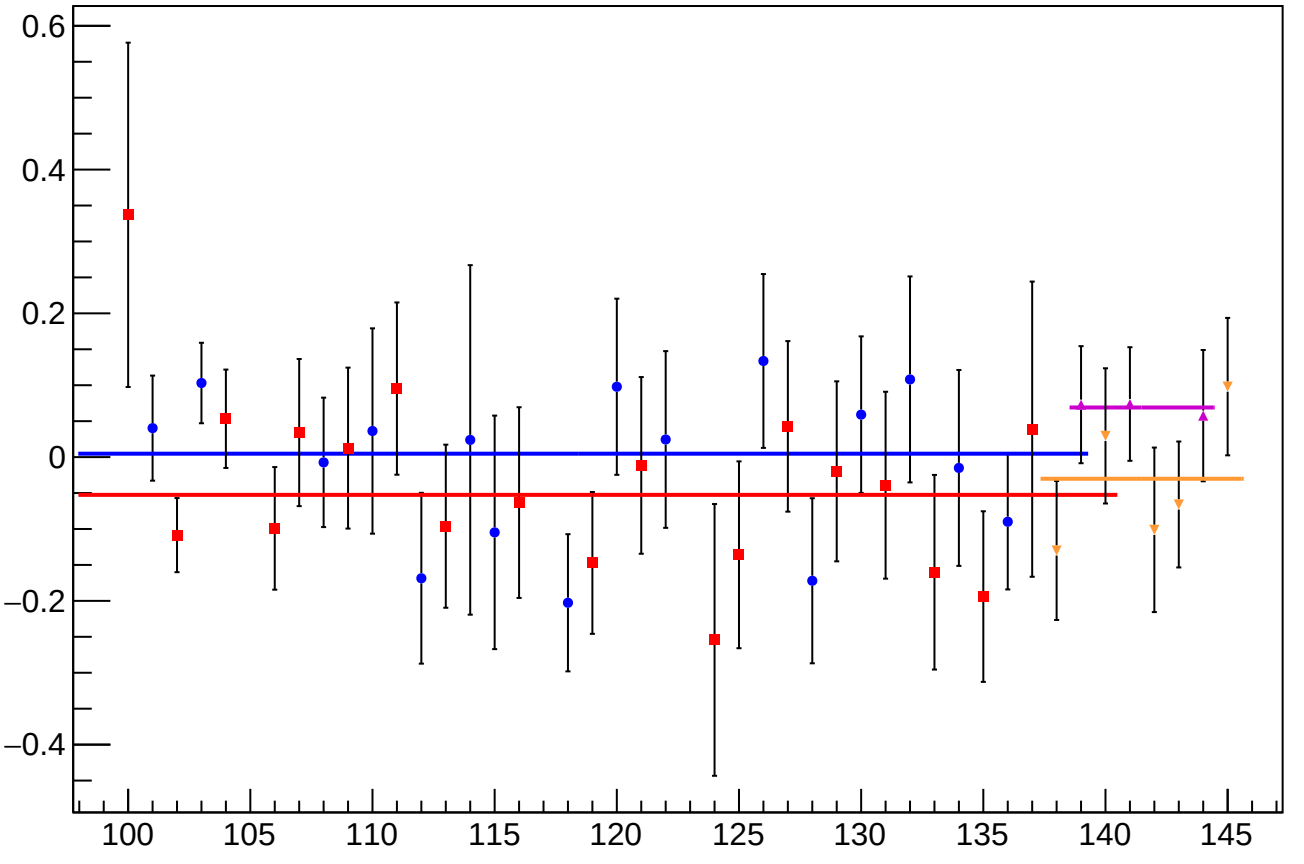
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 76.686+/-0.034 χ^2/NDF:27351.2/2

+ sign 70.698+/-0.016 χ^2/NDF: 1008788.5/20

All: 67.907+/-0.011 χ^2/NDF: 2351643.6/42

- sign 65.280+/-0.015 χ^2/NDF: 1281539.8/21



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.030+/-0.043 χ^2/NDF:3.8/4

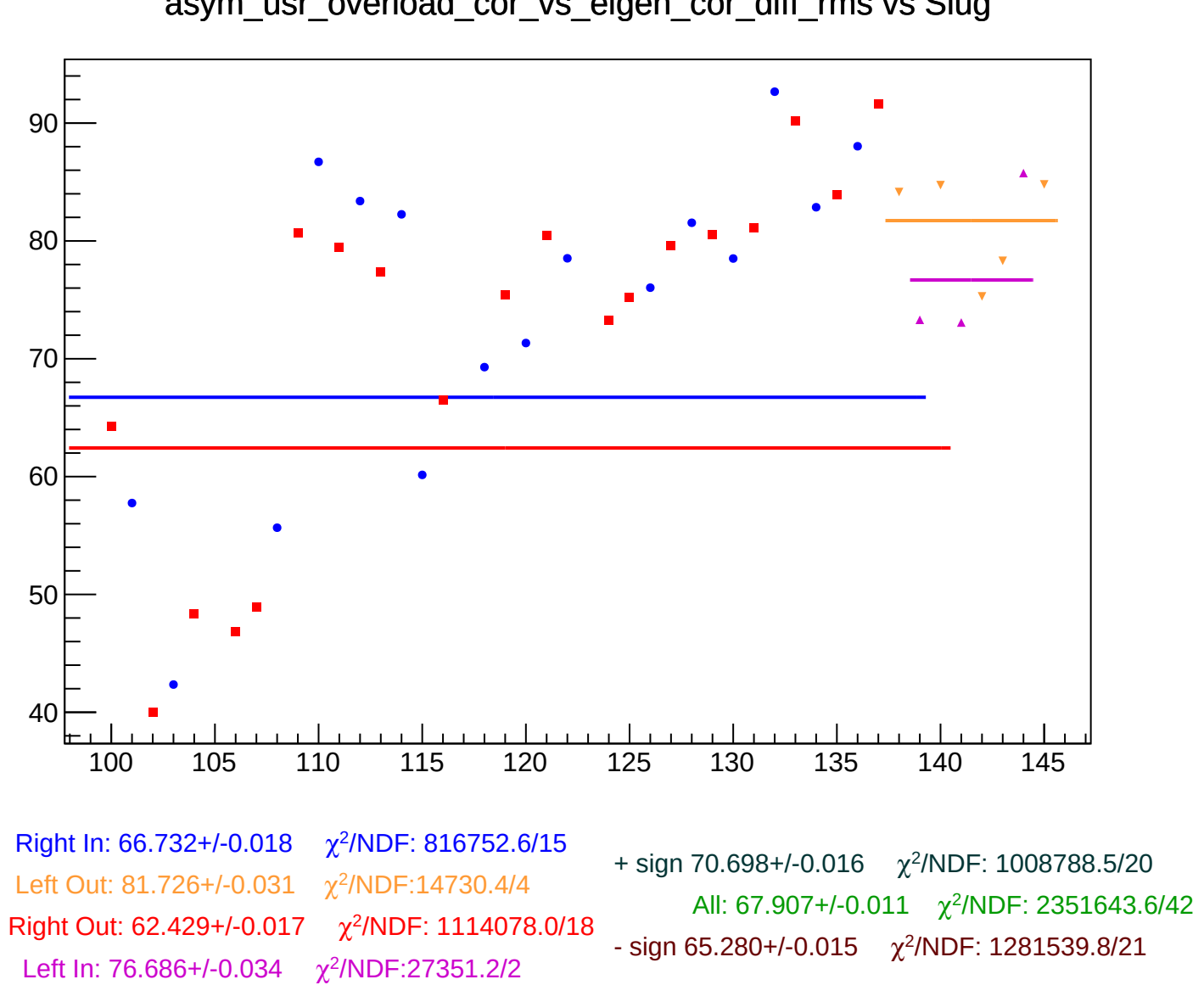
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.069+/-0.048 χ^2/NDF:0.0/2

+ sign -0.004+/-0.022 χ^2/NDF: 20.9/20

All: -0.017+/-0.015 χ^2/NDF: 41.4/42

- sign -0.028+/-0.022 χ^2/NDF: 19.9/21


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
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105
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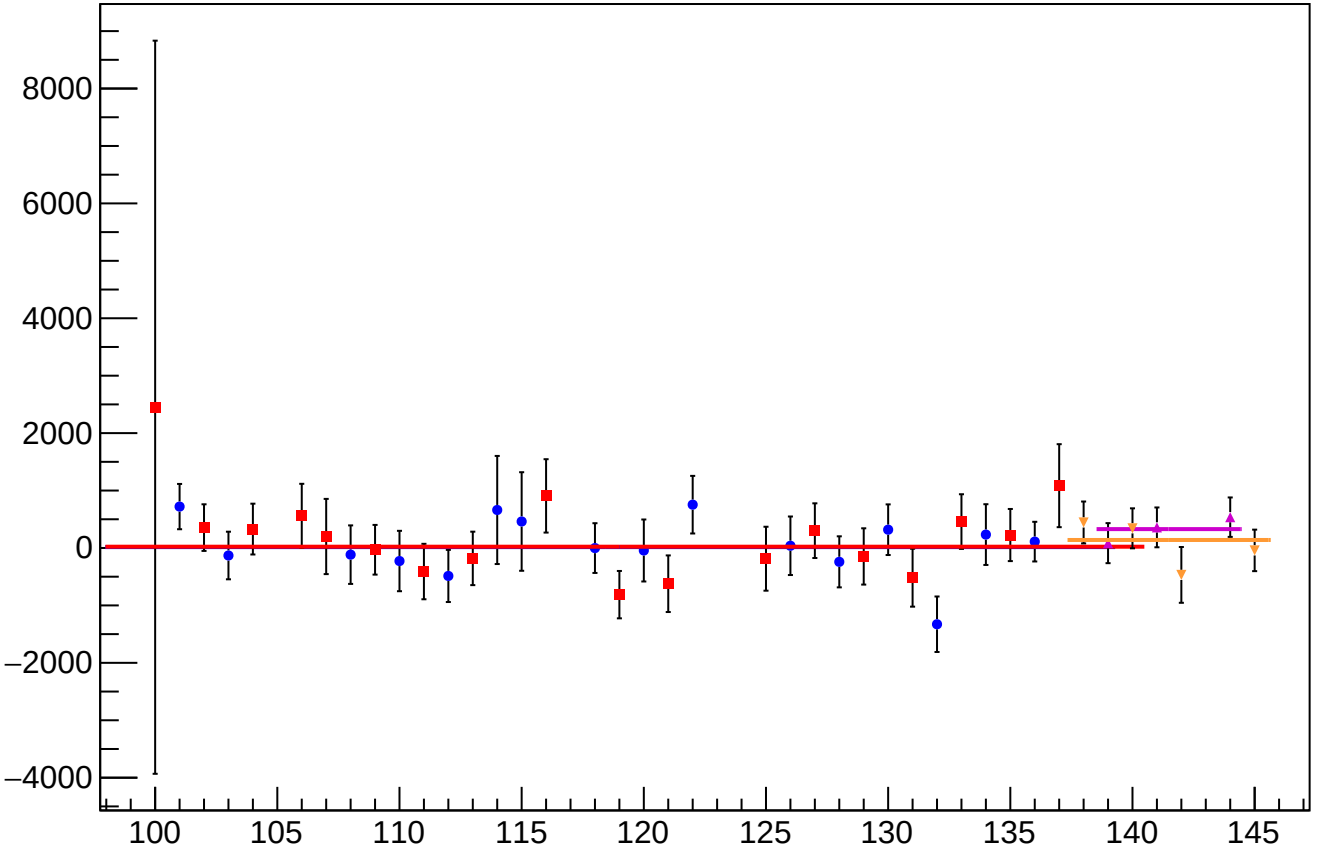
125
130
135
140
145
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 81.726+/-0.031 χ²/NDF:14730.4/4
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 76.686+/-0.034 χ²/NDF:27351.2/2
+ sign 70.698+/-0.016 χ²/NDF: 1008788.5/20
All: 67.907+/-0.011 χ²/NDF: 2351643.6/42
- sign 65.280+/-0.015 χ²/NDF: 1281539.8/21

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

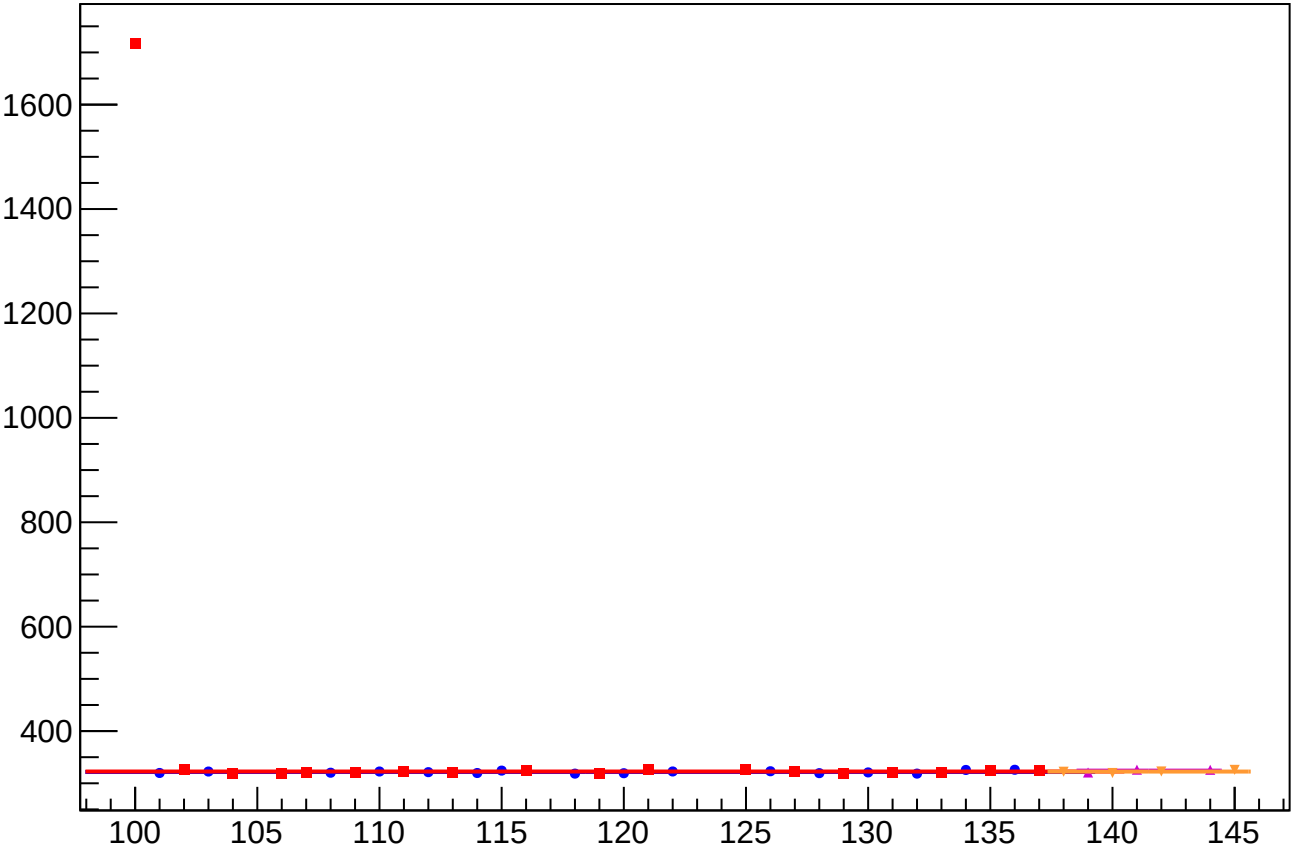
Left In: 328.597+/-199.867 χ^2/NDF:0.9/2

\+ sign 50.546+/-101.130 χ^2/NDF: 19.7/19

All: 76.232+/-71.949 χ^2/NDF: 38.4/40

\- sign 102.559+/-102.383 χ^2/NDF: 18.6/20

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

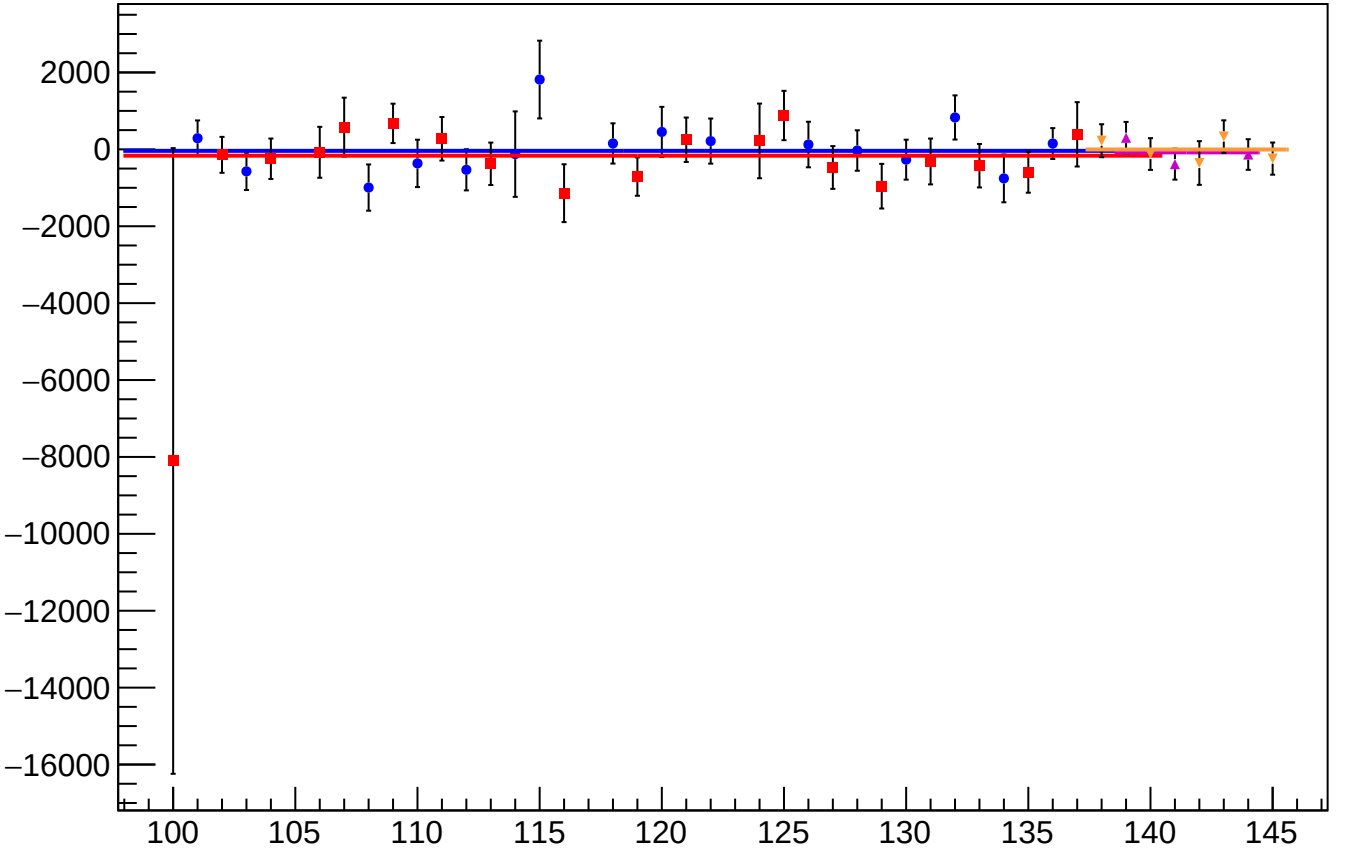
Left In: 324.255+/-0.141 χ^2/NDF:309.9/2

+ sign 321.850+/-0.072 χ^2/NDF: 1138.7/19

All: 322.418+/-0.051 χ^2/NDF: 98575.1/40

- sign 323.000+/-0.072 χ^2/NDF: 97308.8/20

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

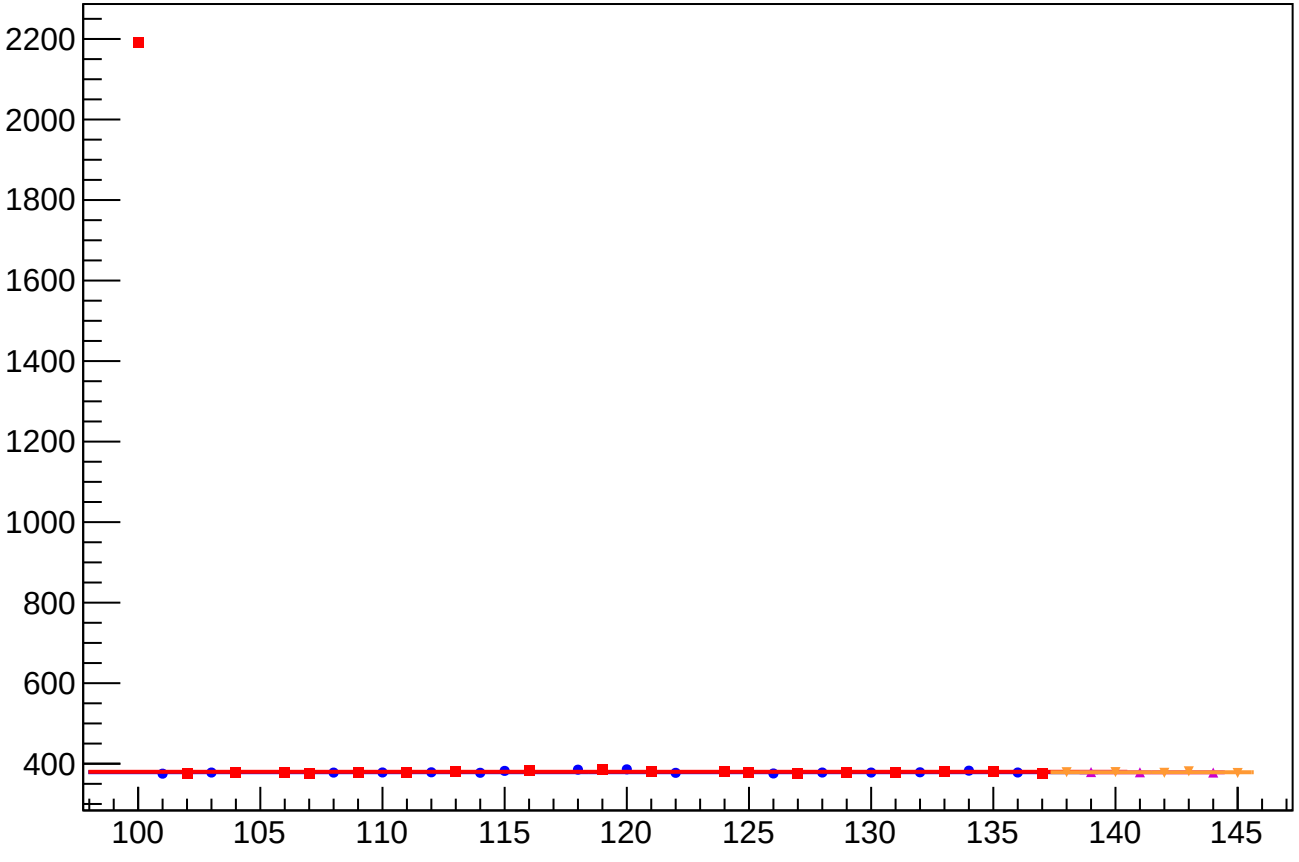
Left In: -78.812+/-233.428 χ^2/NDF:1.4/2

+ sign -27.133+/-114.526 χ^2/NDF: 15.5/20

All: -82.258+/-82.653 χ^2/NDF: 32.6/42

- sign -142.182+/-119.406 χ^2/NDF: 16.7/21

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

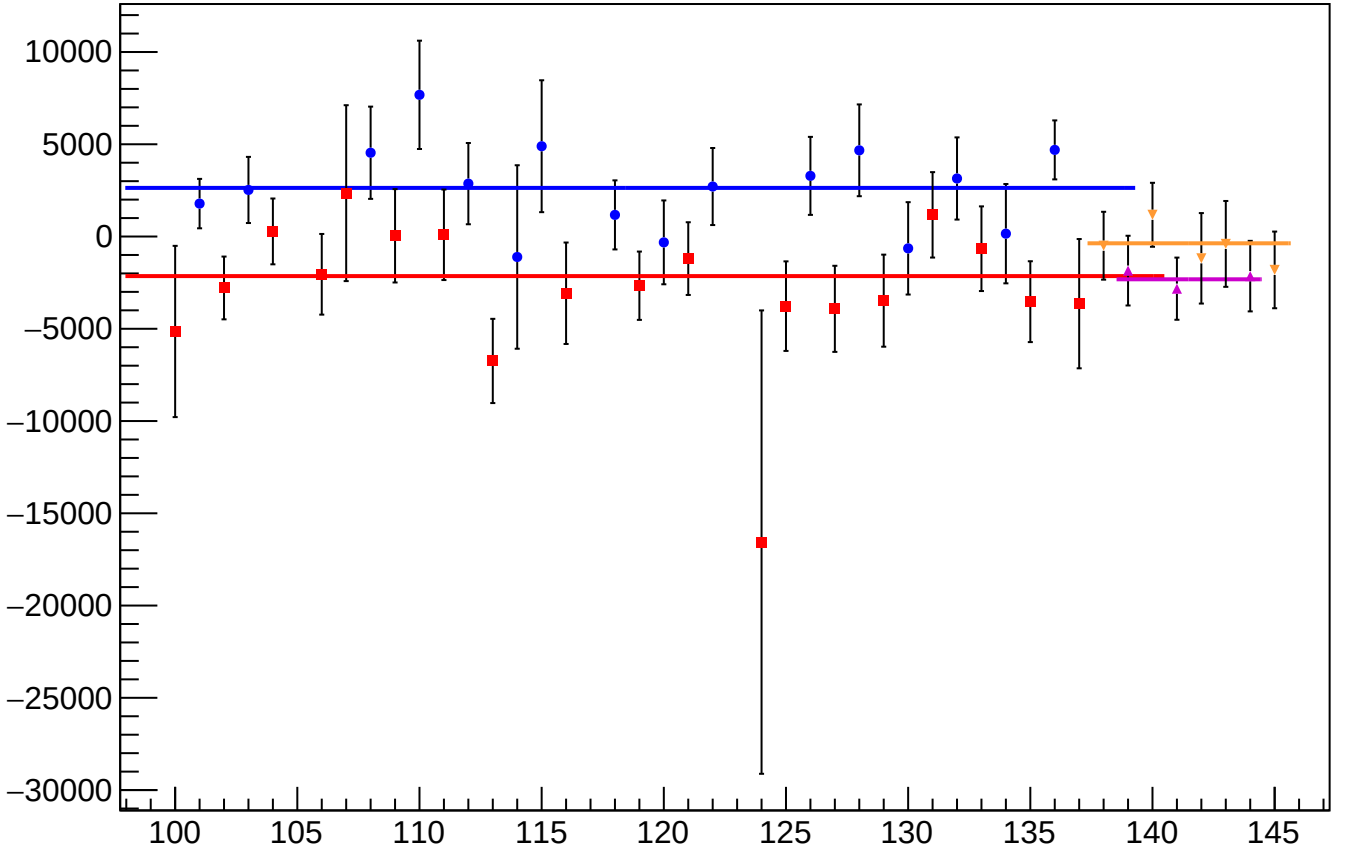
Left In: 378.695+/-0.165 χ^2/NDF:8.6/2

+ sign 378.867+/-0.081 χ^2/NDF: 963.3/20

All: 379.203+/-0.058 χ^2/NDF: 100667.2/42

- sign 379.568+/-0.084 χ^2/NDF: 99668.0/21

asym_us_agg_avg_mean vs Slug



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

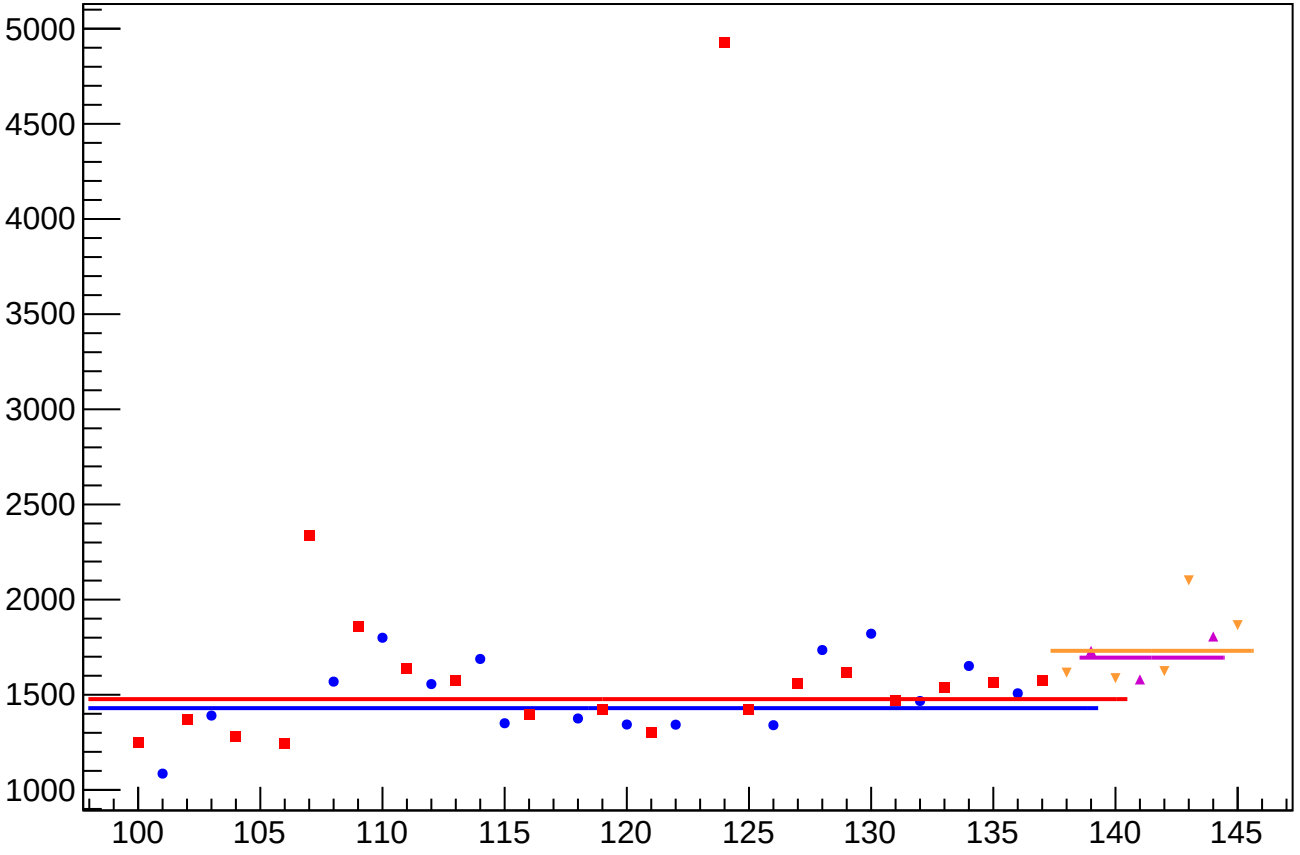
Left In: -2318.678+/-1050.495 χ^2/NDF:0.2/2

+ sign 1855.858+/-462.953 χ^2/NDF: 21.7/20

All: -68.481+/-334.927 χ^2/NDF: 73.2/42

- sign -2181.703+/-485.142 χ^2/NDF: 15.2/21

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

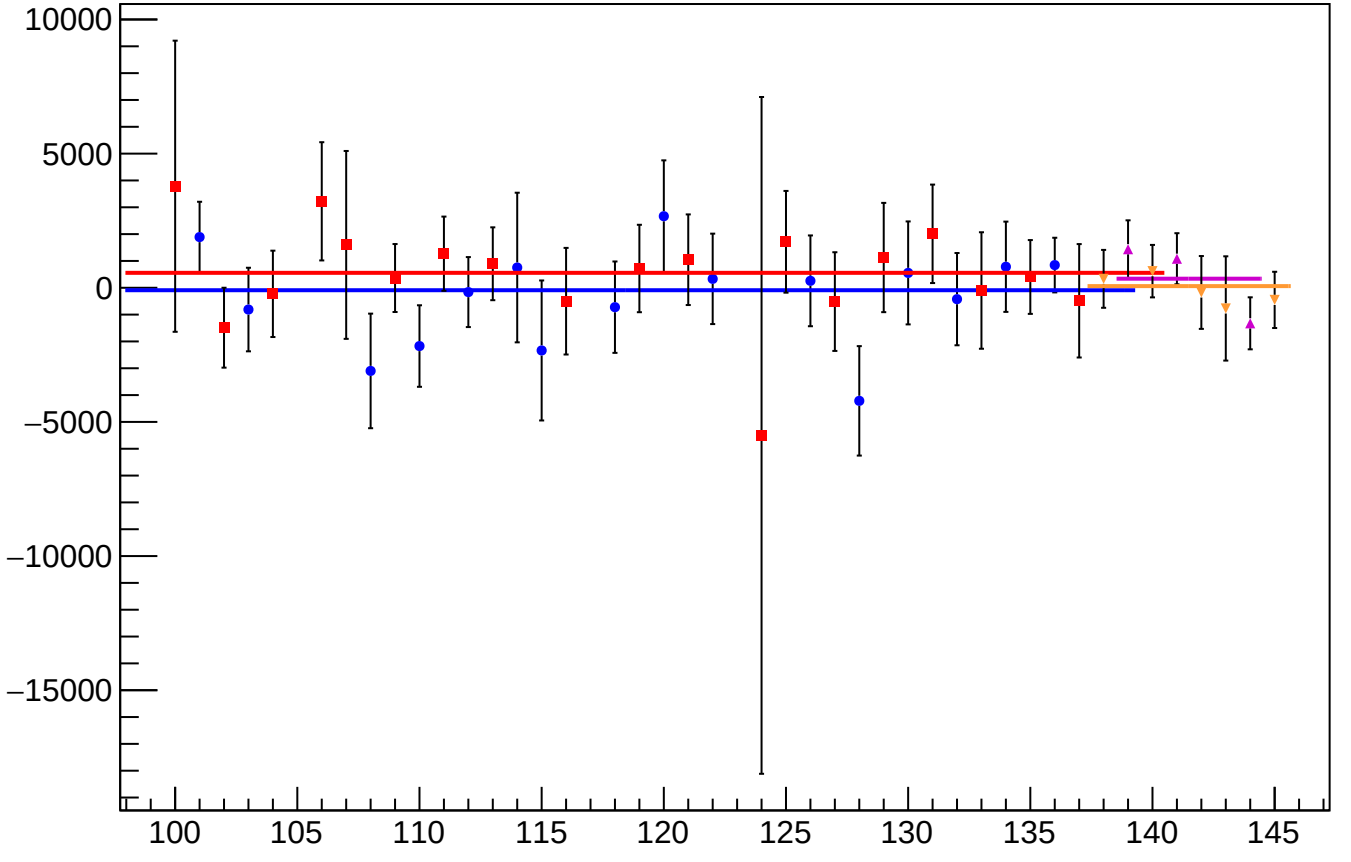
Left In: 1695.058+/-0.743 χ^2/NDF:16693.9/2

+ sign 1507.871+/-0.327 χ^2/NDF: 540587.9/20

All: 1515.371+/-0.237 χ^2/NDF: 995531.8/42

- sign 1523.606+/-0.343 χ^2/NDF: 453842.7/21

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

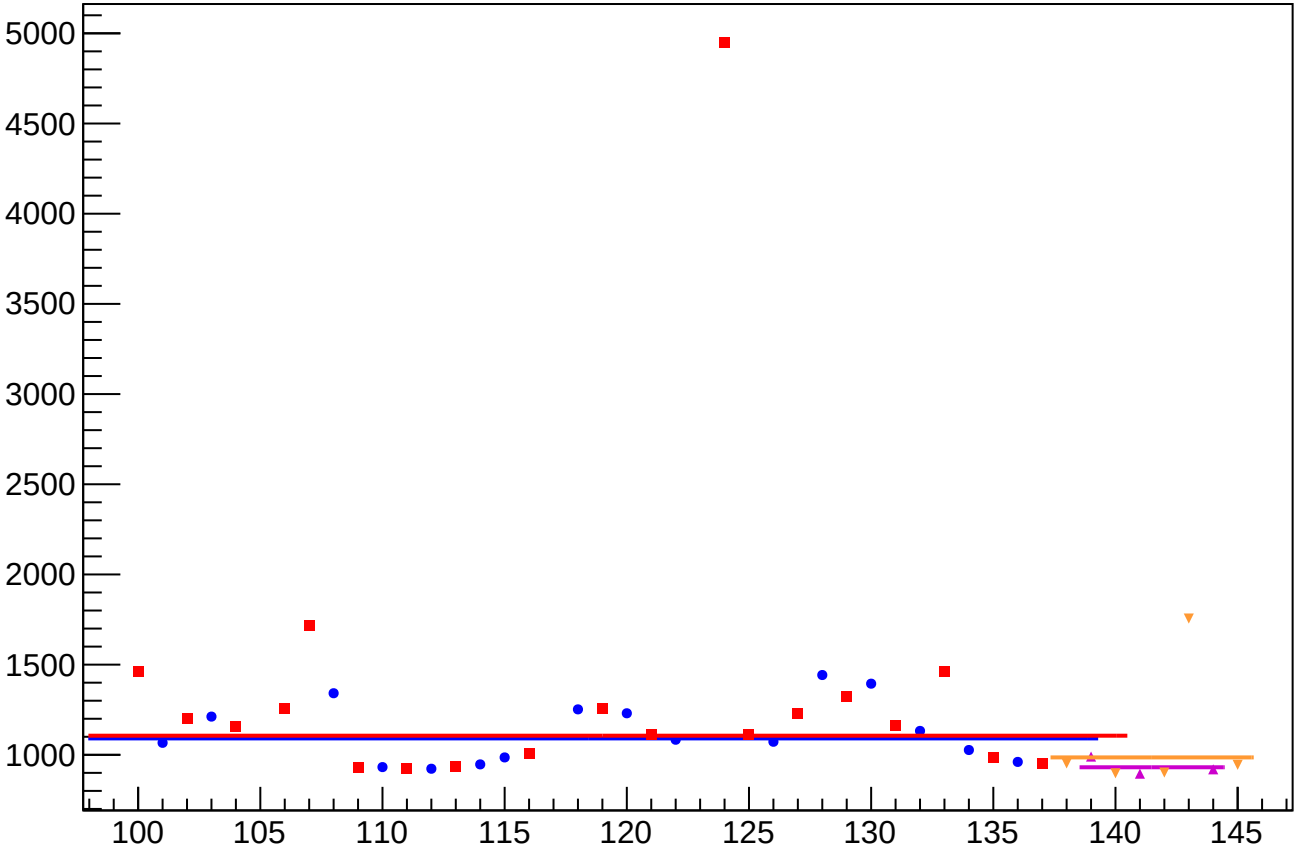
Left In: 338.168+/-574.464 χ^2/NDF:4.6/2

\+ sign -33.371+/-323.213 χ^2/NDF: 15.4/20

All: 215.864+/-232.416 χ^2/NDF: 28.1/42

\- sign 482.723+/-334.446 χ^2/NDF: 11.4/21

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

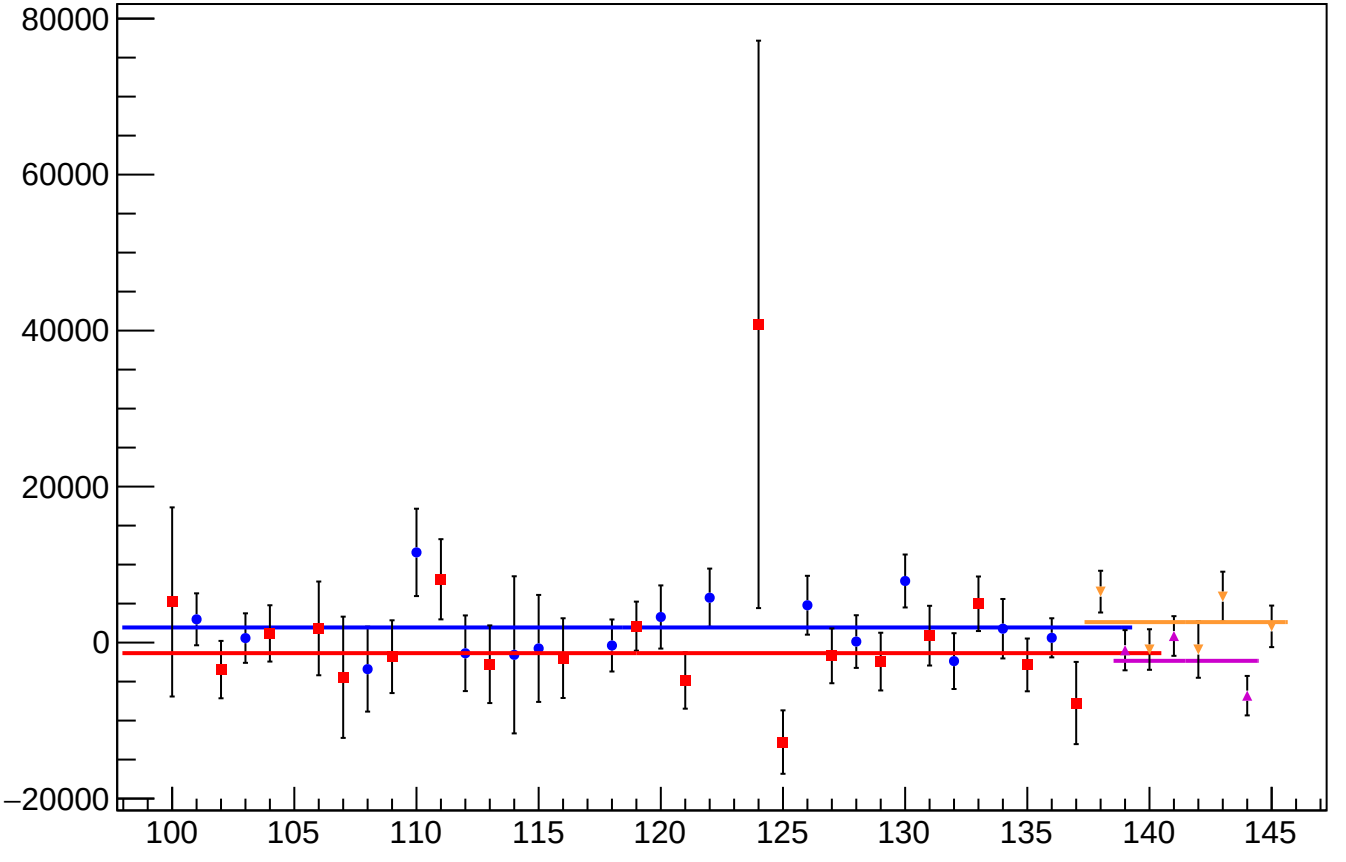
Left In: 931.003+/-0.406 χ^2/NDF:9138.7/2

+ sign 1051.175+/-0.229 χ^2/NDF: 670071.6/20

All: 1049.022+/-0.164 χ^2/NDF: 1316246.0/42

- sign 1046.716+/-0.236 χ^2/NDF: 645990.6/21

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

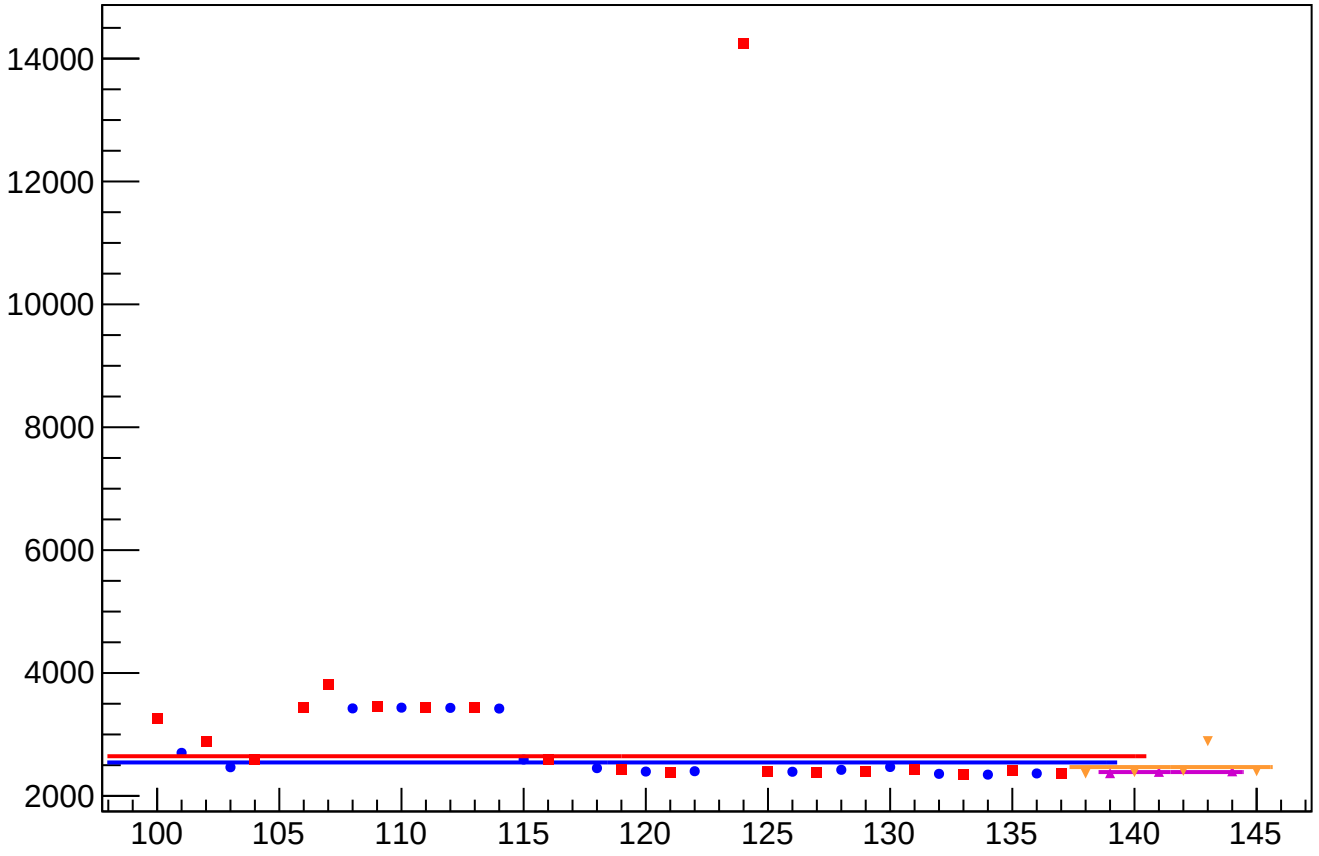
Left In: -2339.263+/-1471.866 χ^2/NDF:5.0/2

+ sign 2182.051+/-765.941 χ^2/NDF: 18.4/20

All: 389.474+/-559.316 χ^2/NDF: 57.2/42

- sign -1658.420+/-818.673 χ^2/NDF: 27.1/21

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

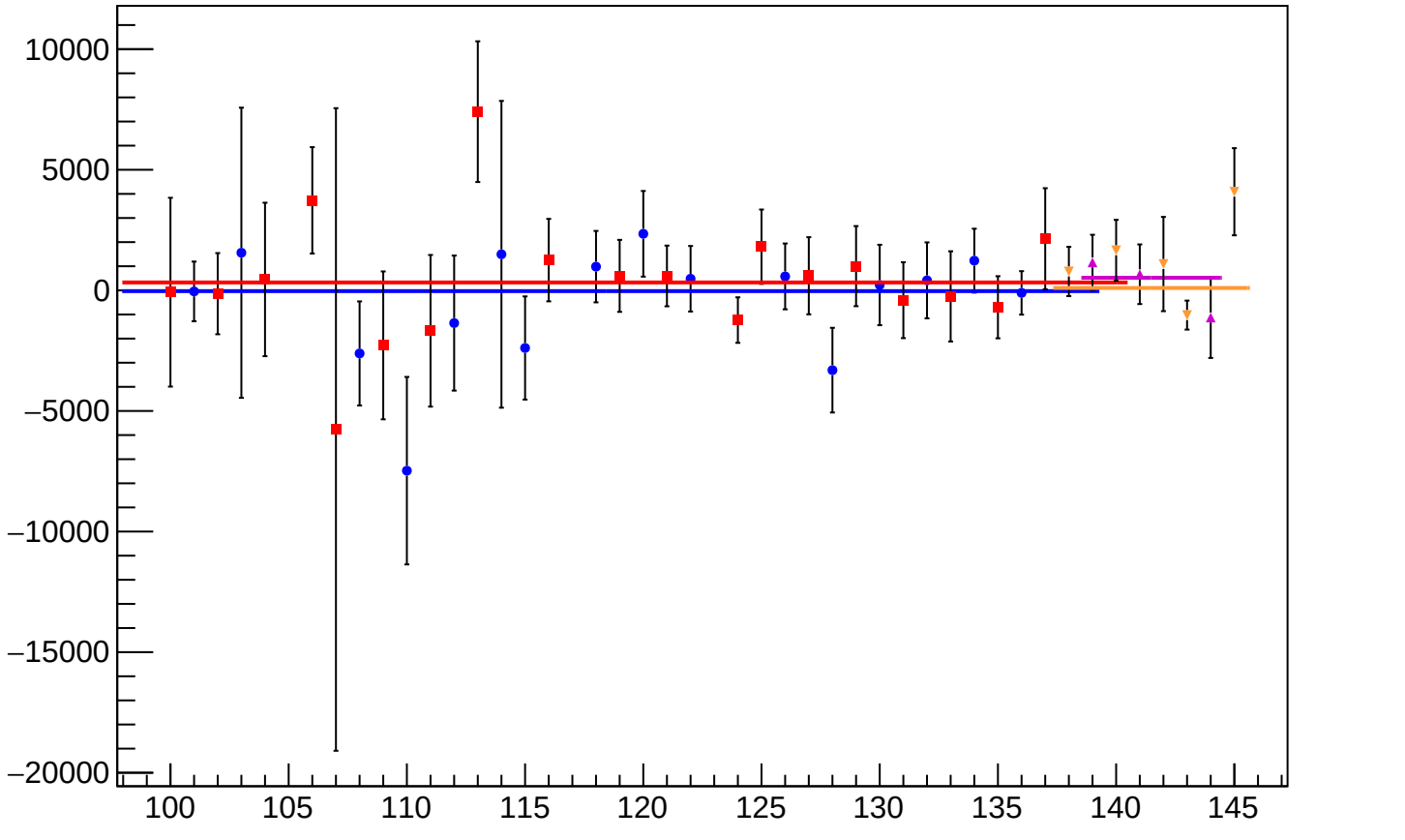
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2387.891+/-1.041 χ^2/NDF:148.4/2

\+ sign 2517.848+/-0.542 χ^2/NDF: 271632.6/20

All: 2540.278+/-0.395 χ^2/NDF: 854780.7/42

\- sign 2565.904+/-0.579 χ^2/NDF: 579473.3/21



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

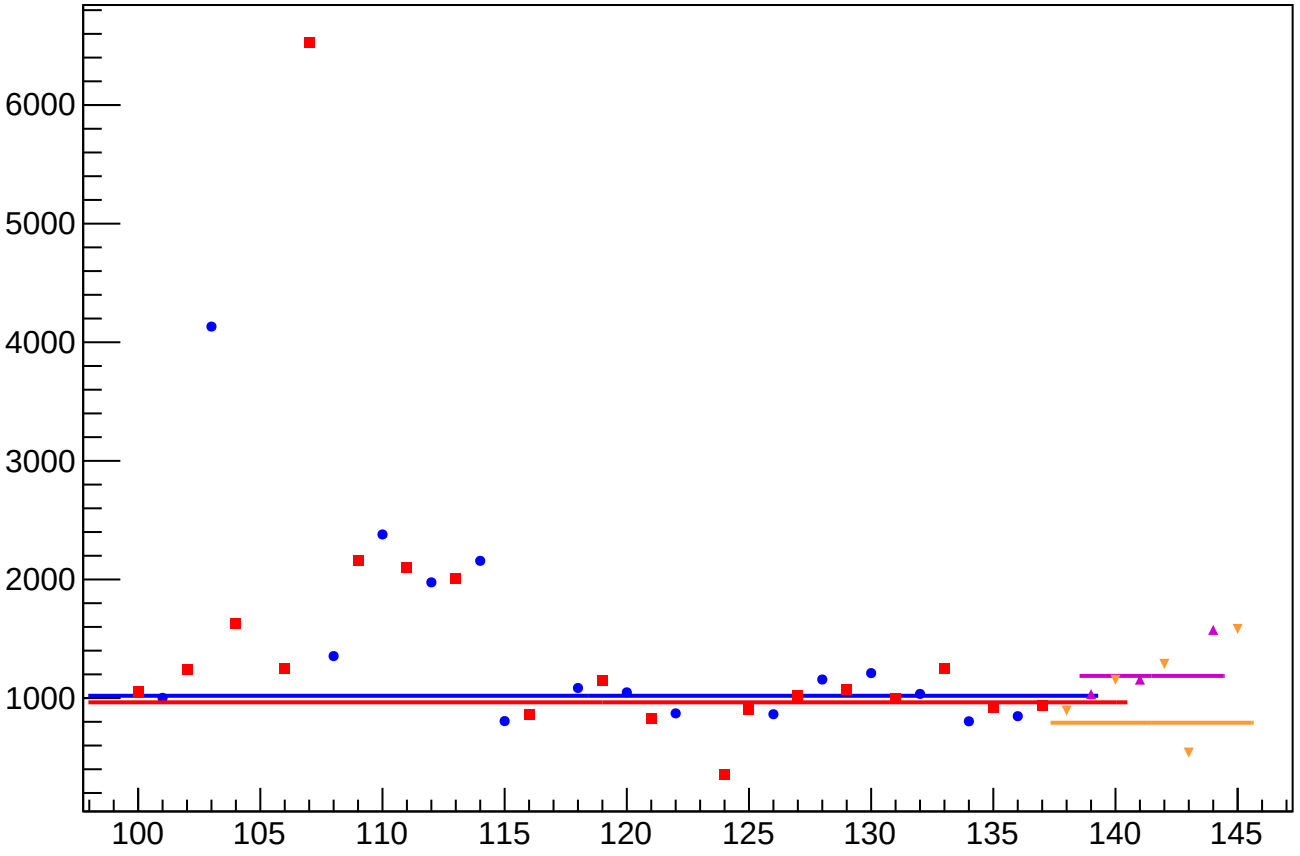
Left In: 522.095+/-750.464 χ^2/NDF:1.3/2

\+ sign 27.310+/-301.637 χ^2/NDF: 24.4/20

All: 172.859+/-229.046 χ^2/NDF: 42.0/42

\- sign 371.073+/-352.004 χ^2/NDF: 17.0/21

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

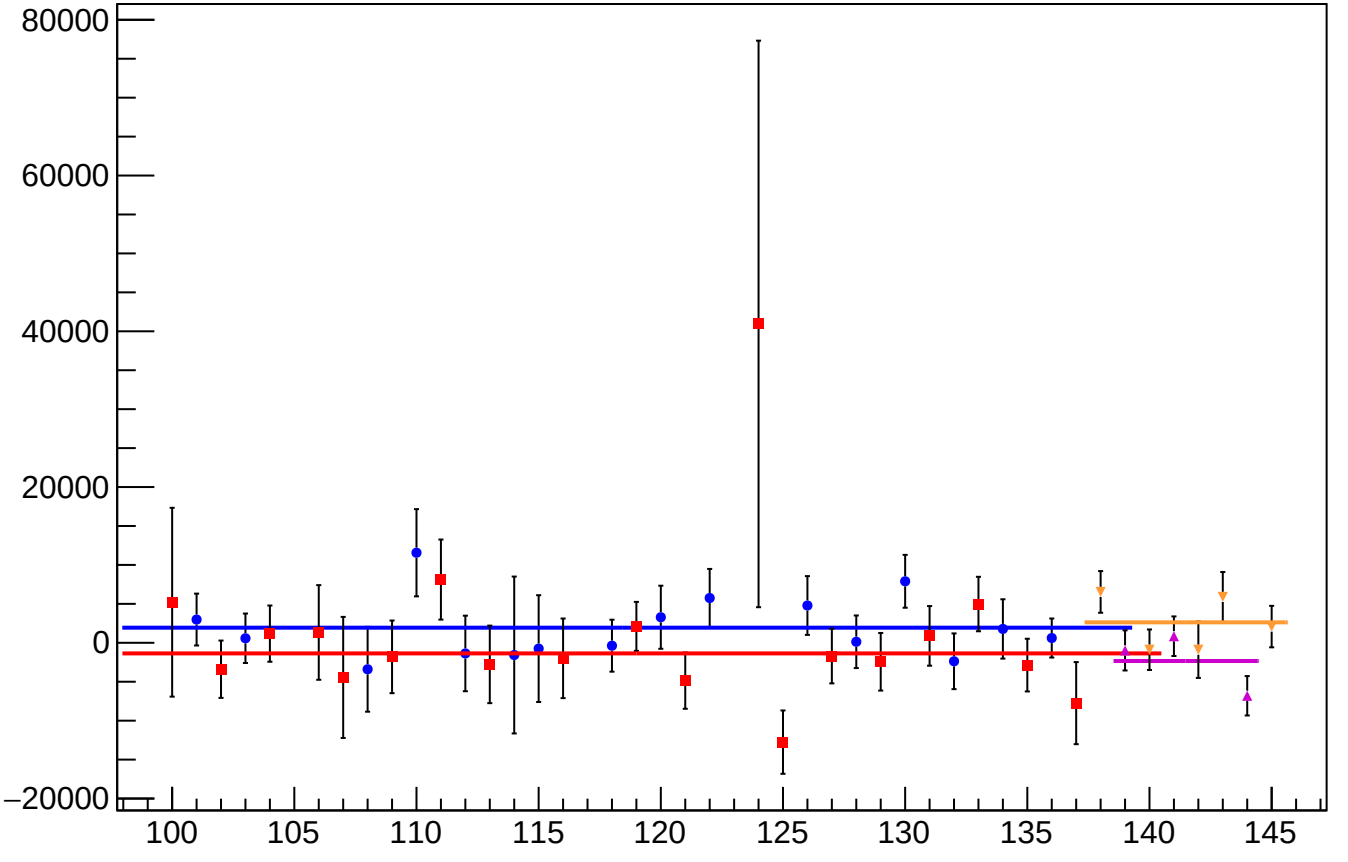
Left In: 1187.212+/-0.531 χ^2/NDF:144494.4/2

+ sign 917.855+/-0.213 χ^2/NDF: 2693549.4/20

All: 958.310+/-0.162 χ^2/NDF: 5369910.4/42

- sign 1013.404+/-0.249 χ^2/NDF: 2591391.4/21

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

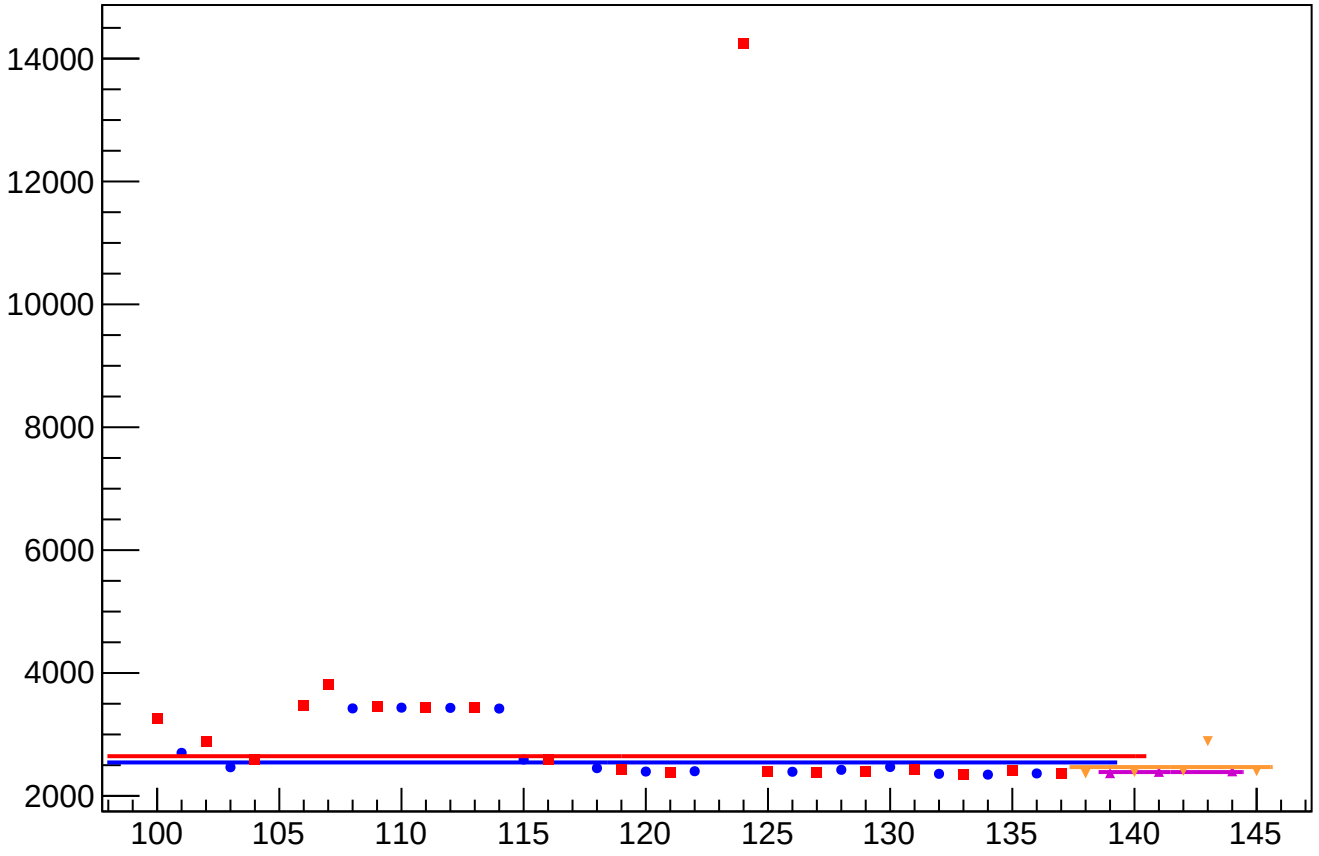
Left In: -2339.479+/-1471.866 χ^2/NDF:5.0/2

+ sign 2182.317+/-765.941 χ^2/NDF: 18.4/20

All: 386.814+/-559.371 χ^2/NDF: 57.1/42

- sign -1665.286+/-818.845 χ^2/NDF: 27.0/21

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

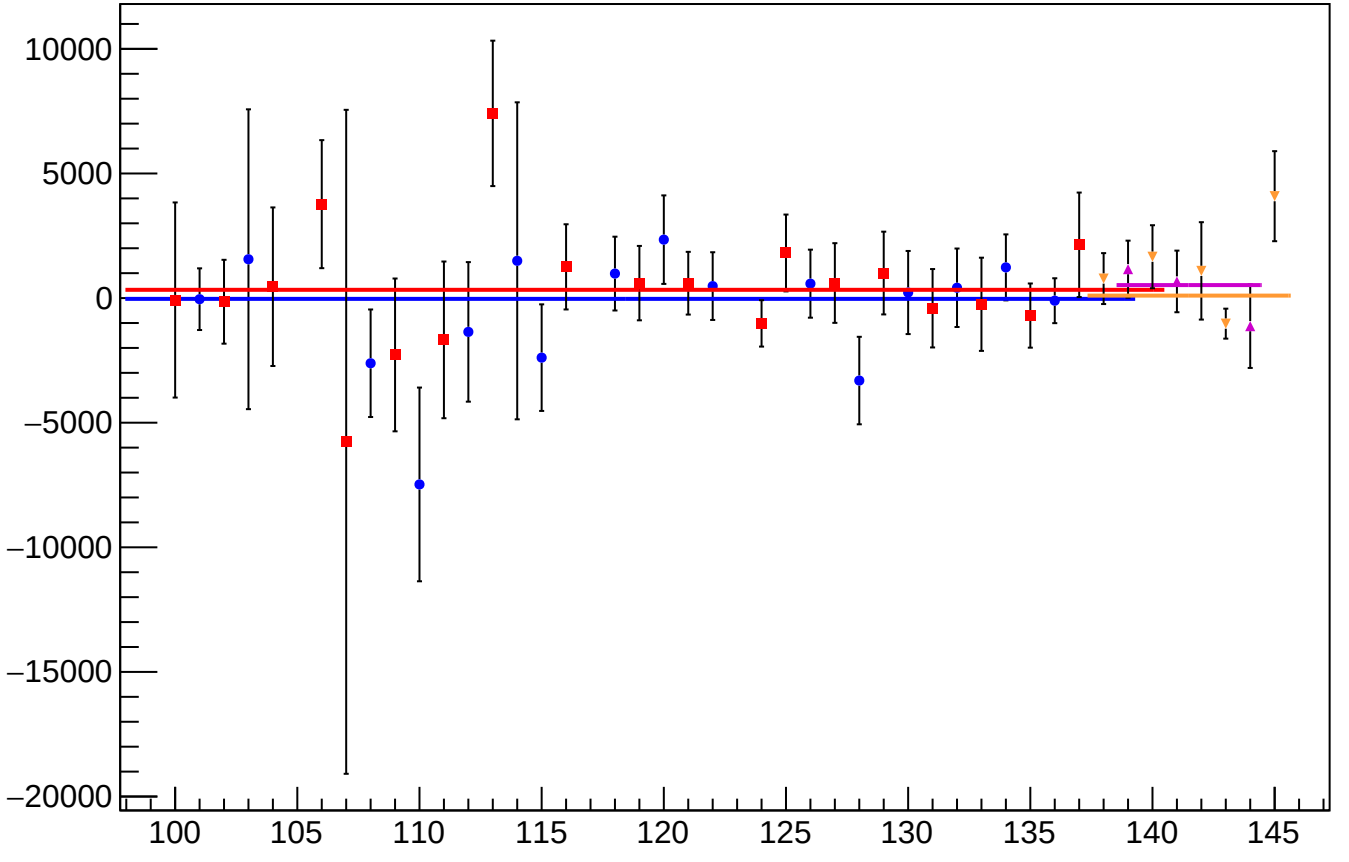
Left In: 2387.891+/-1.041 χ^2/NDF:148.4/2

\+ sign 2517.848+/-0.542 χ^2/NDF: 271632.6/20

All: 2540.437+/-0.396 χ^2/NDF: 857590.3/42

\- sign 2566.254+/-0.579 χ^2/NDF: 582229.9/21

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

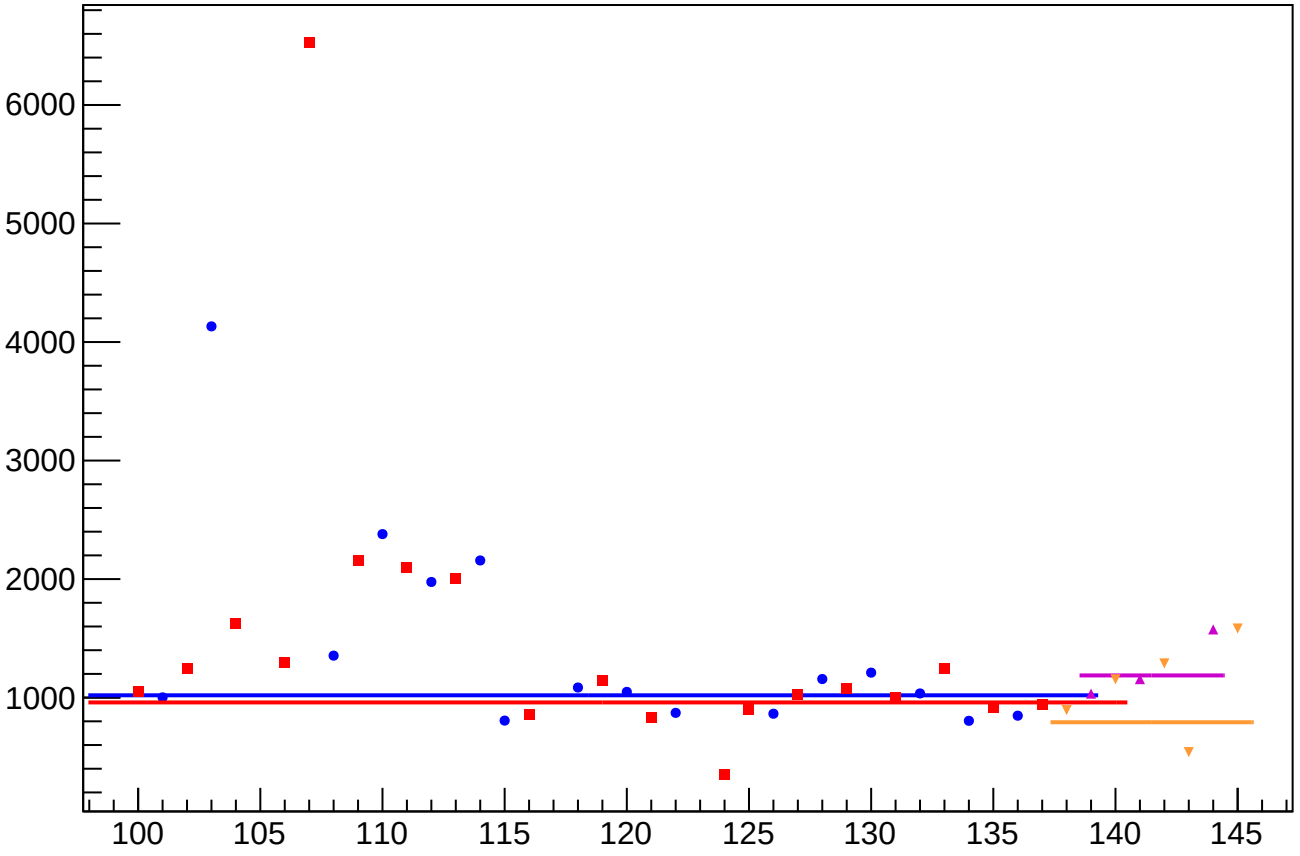
Left In: 522.016+/-750.465 χ^2/NDF:1.3/2

\+ sign 27.345+/-301.640 χ^2/NDF: 24.4/20

All: 173.824+/-229.192 χ^2/NDF: 40.7/42

\- sign 373.901+/-352.532 χ^2/NDF: 15.7/21

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

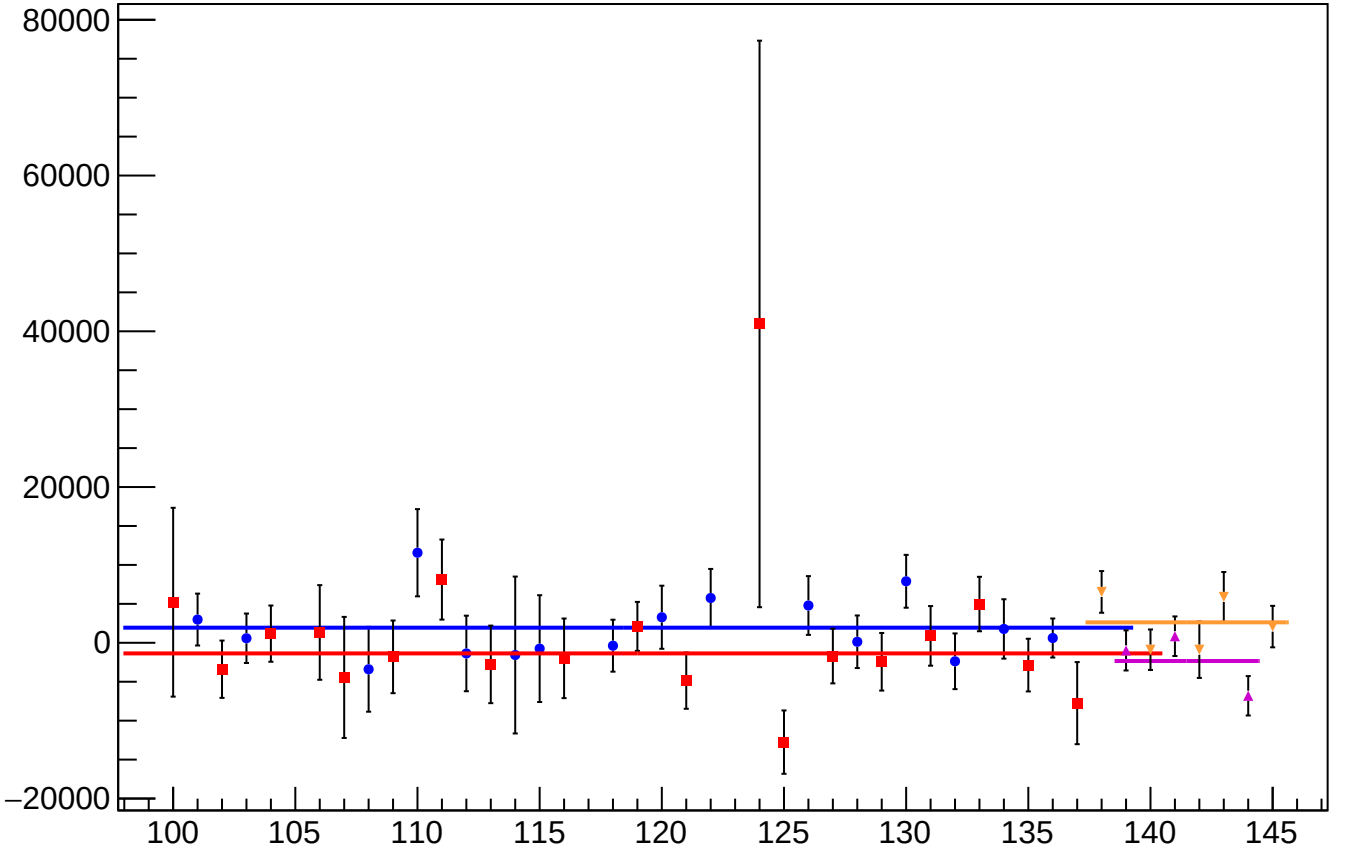
Left In: 1187.212+/-0.531 χ^2/NDF:144494.2/2

+ sign 917.869+/-0.213 χ^2/NDF: 2693328.4/20

All: 956.653+/-0.162 χ^2/NDF: 5404183.1/42

- sign 1009.627+/-0.249 χ^2/NDF: 2632630.3/21

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

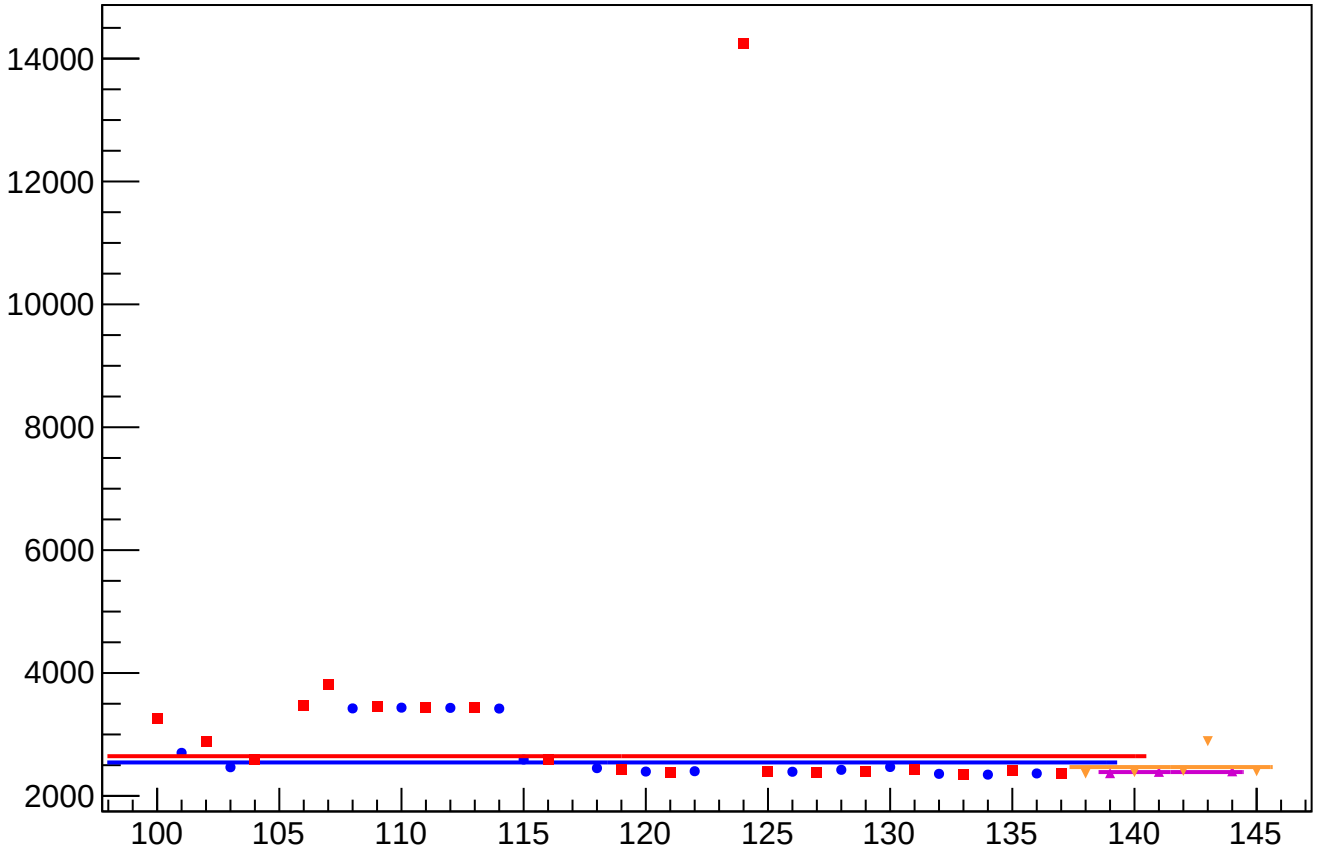
Left In: -2339.479+/-1471.866 χ^2/NDF:5.0/2

+ sign 2182.317+/-765.941 χ^2/NDF: 18.4/20

All: 386.814+/-559.371 χ^2/NDF: 57.1/42

- sign -1665.286+/-818.845 χ^2/NDF: 27.0/21

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

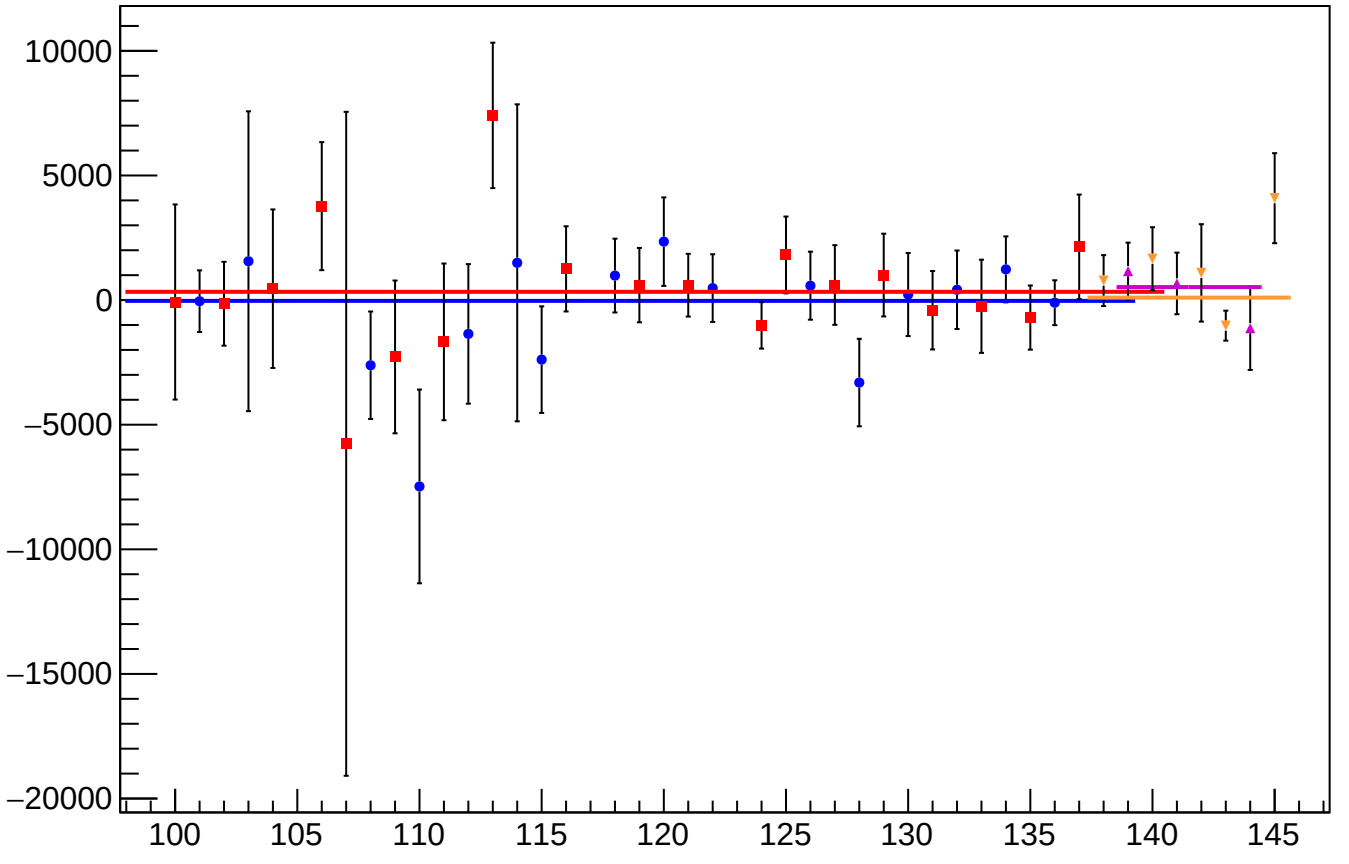
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2387.891+/-1.041 χ^2/NDF:148.4/2

\+ sign 2517.848+/-0.542 χ^2/NDF: 271632.6/20

All: 2540.437+/-0.396 χ^2/NDF: 857590.3/42

\- sign 2566.254+/-0.579 χ^2/NDF: 582229.9/21



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

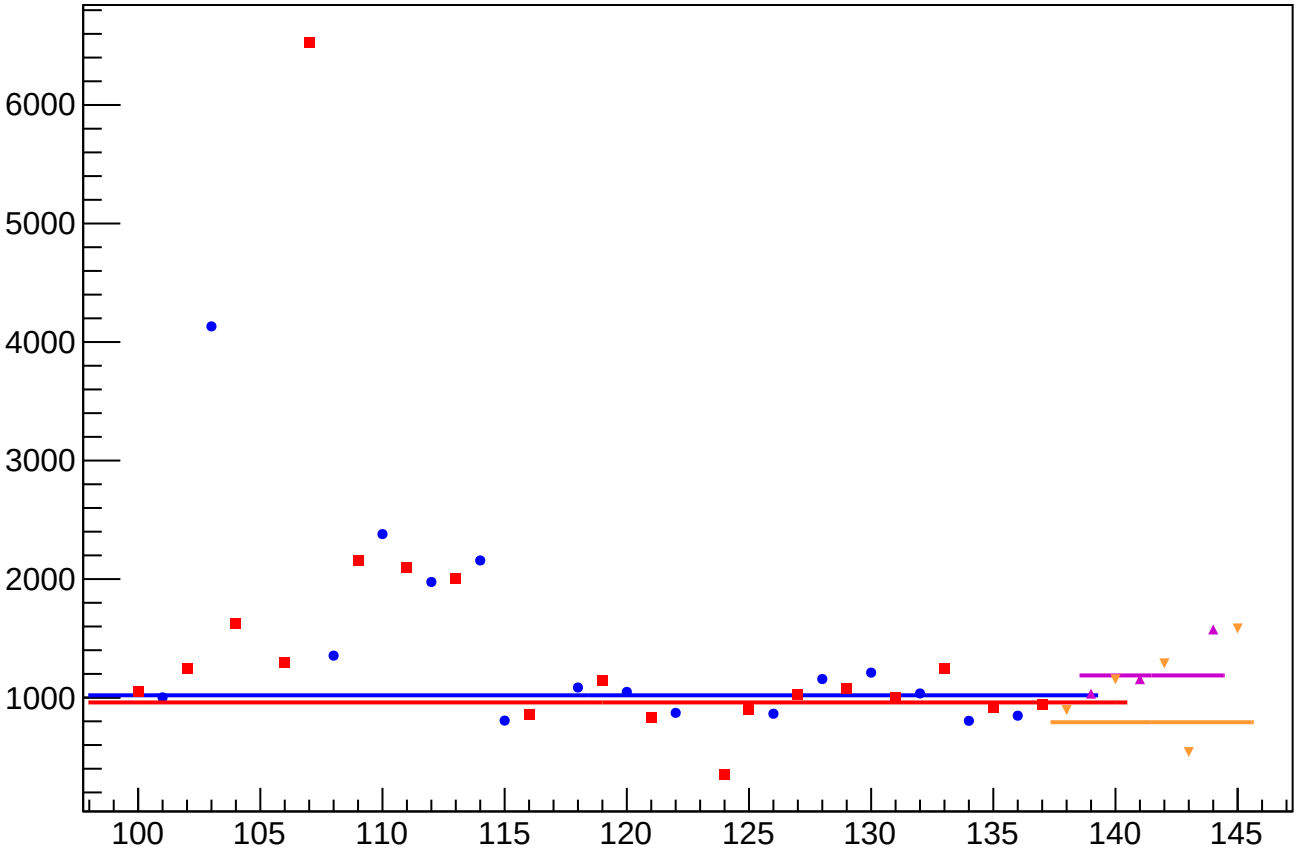
Left In: 522.016+/-750.465 χ^2/NDF:1.3/2

\+ sign 27.345+/-301.640 χ^2/NDF: 24.4/20

All: 173.824+/-229.192 χ^2/NDF: 40.7/42

\- sign 373.901+/-352.532 χ^2/NDF: 15.7/21

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

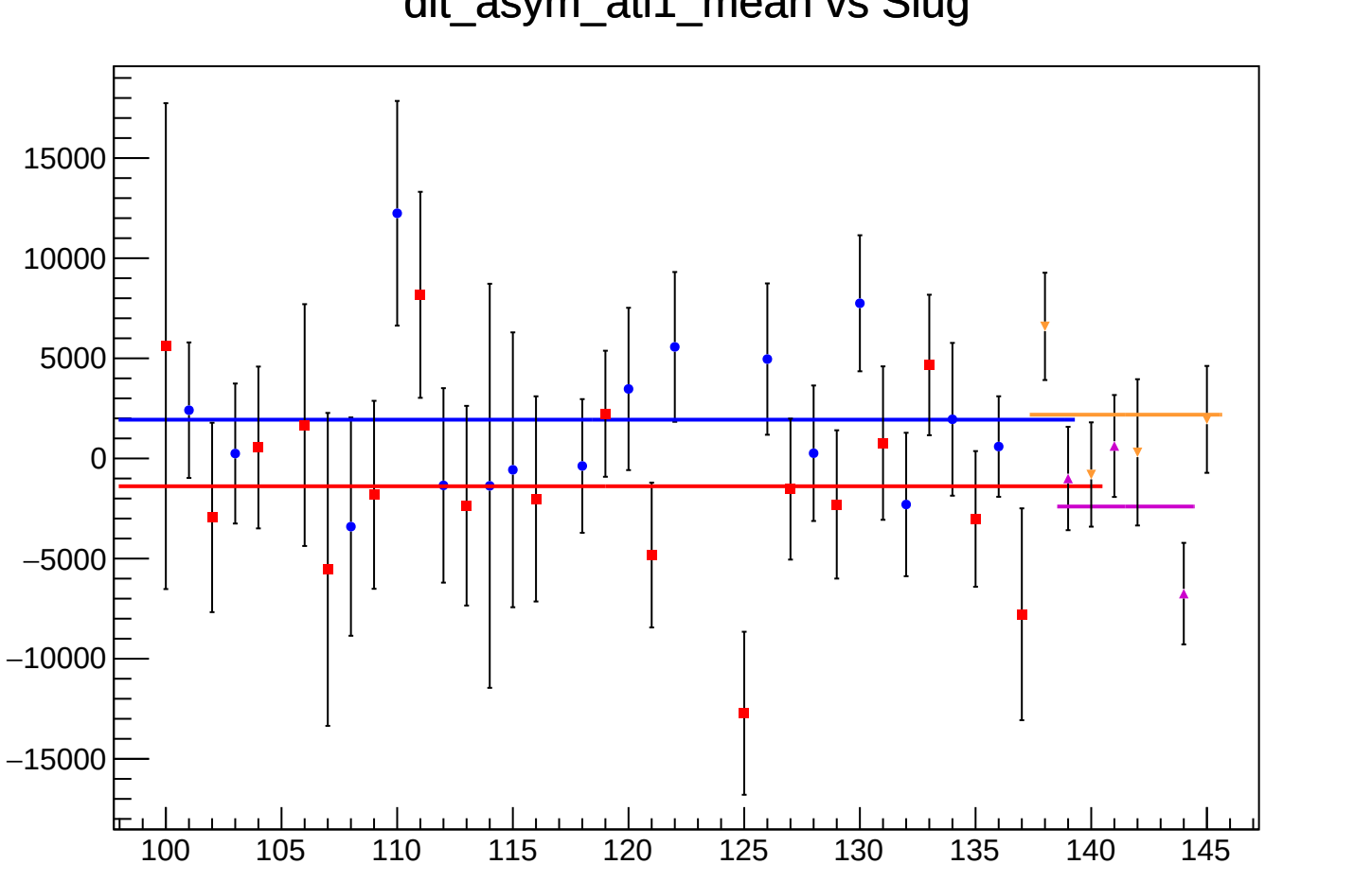
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1187.212+/-0.531 χ^2/NDF:144494.2/2

+ sign 917.869+/-0.213 χ^2/NDF: 2693328.4/20

All: 956.653+/-0.162 χ^2/NDF: 5404183.1/42

- sign 1009.627+/-0.249 χ^2/NDF: 2632630.3/21



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

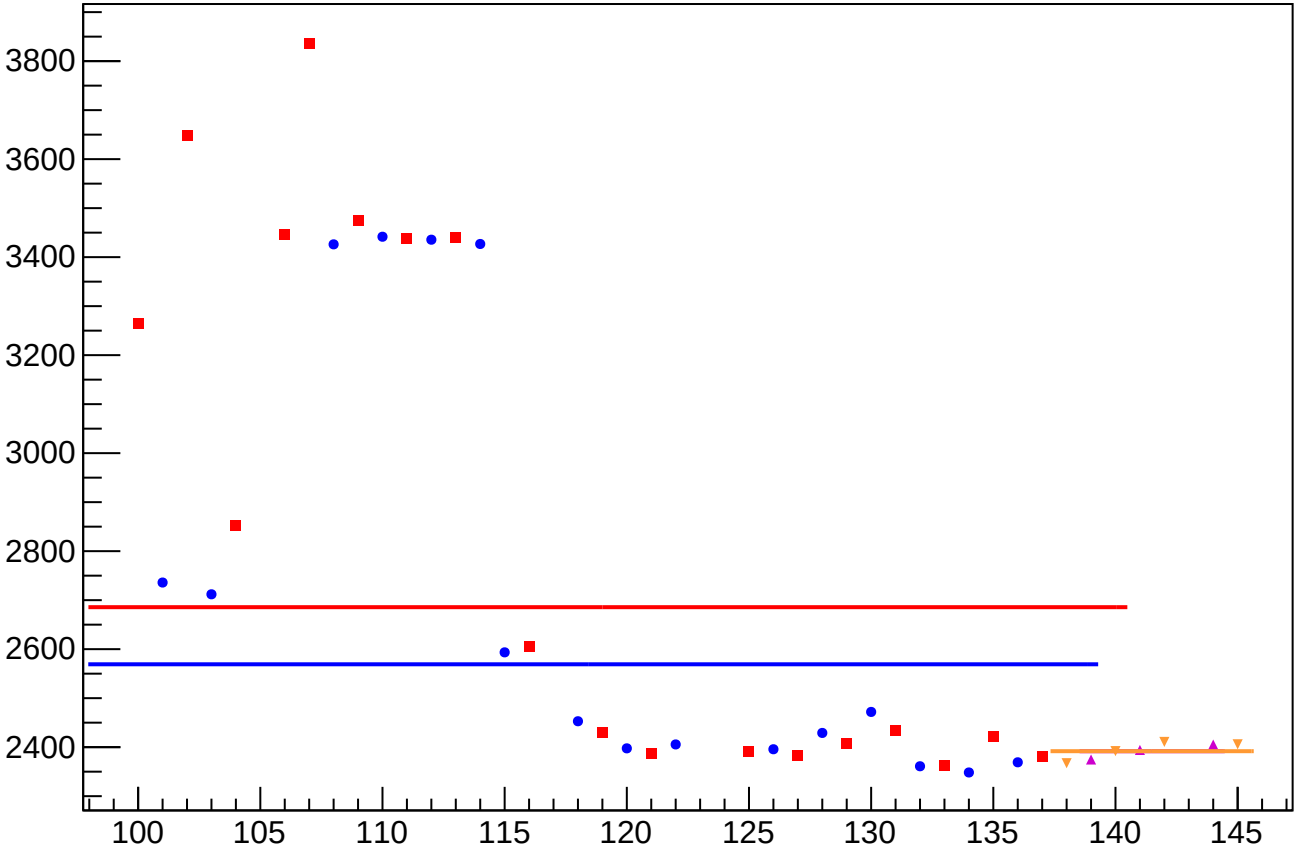
Left In: -2400.143+/-1474.250 χ^2/NDF:4.6/2

+ sign 2015.117+/-795.091 χ^2/NDF: 16.7/19

All: 238.320+/-575.055 χ^2/NDF: 51.9/40

- sign -1710.610+/-832.714 χ^2/NDF: 24.7/20

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

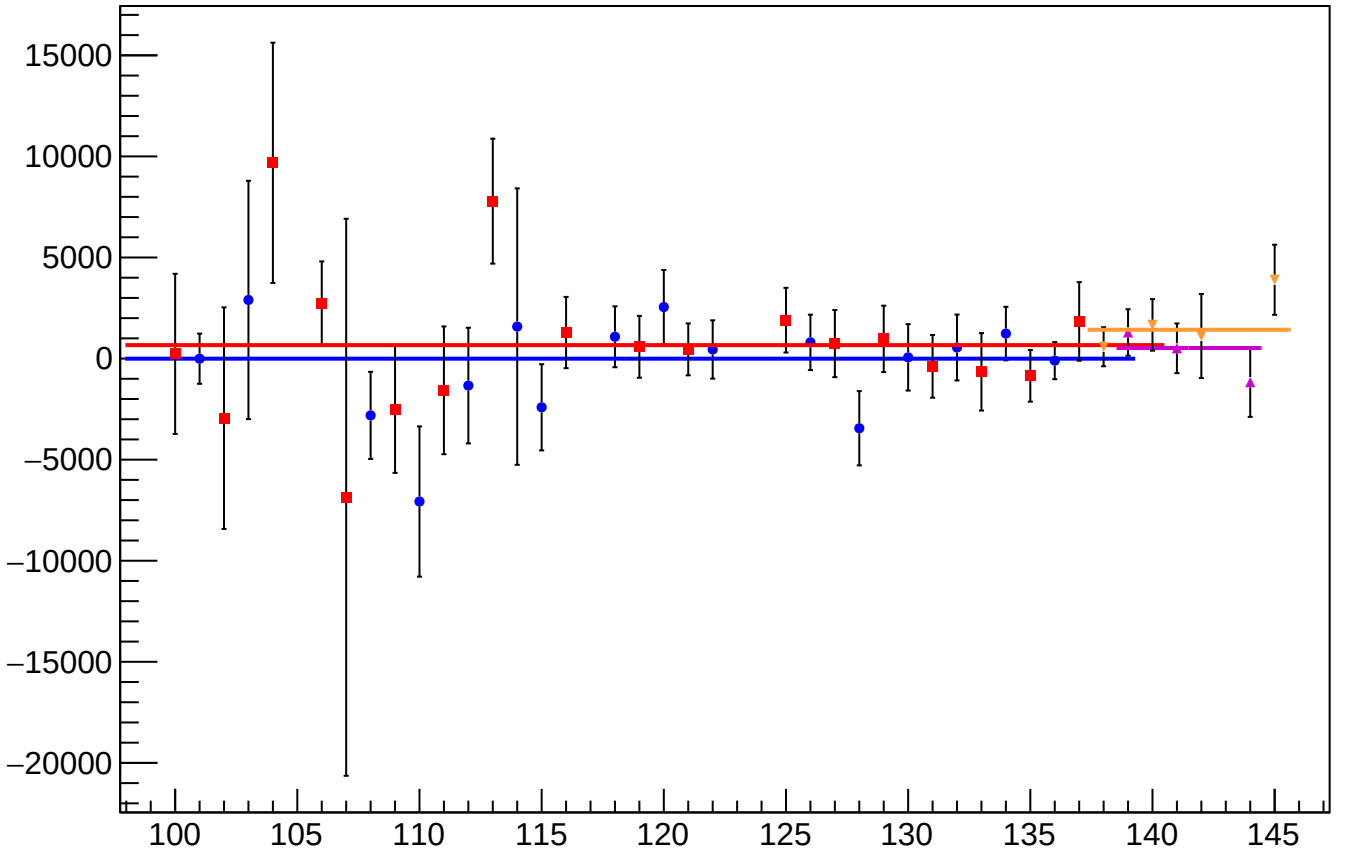
Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2391.702+/-1.042 χ^2/NDF:145.1/2

+ sign 2512.847+/-0.562 χ^2/NDF: 251321.2/19

All: 2550.540+/-0.407 χ^2/NDF: 734308.9/40

- sign 2591.885+/-0.589 χ^2/NDF: 473562.6/20



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

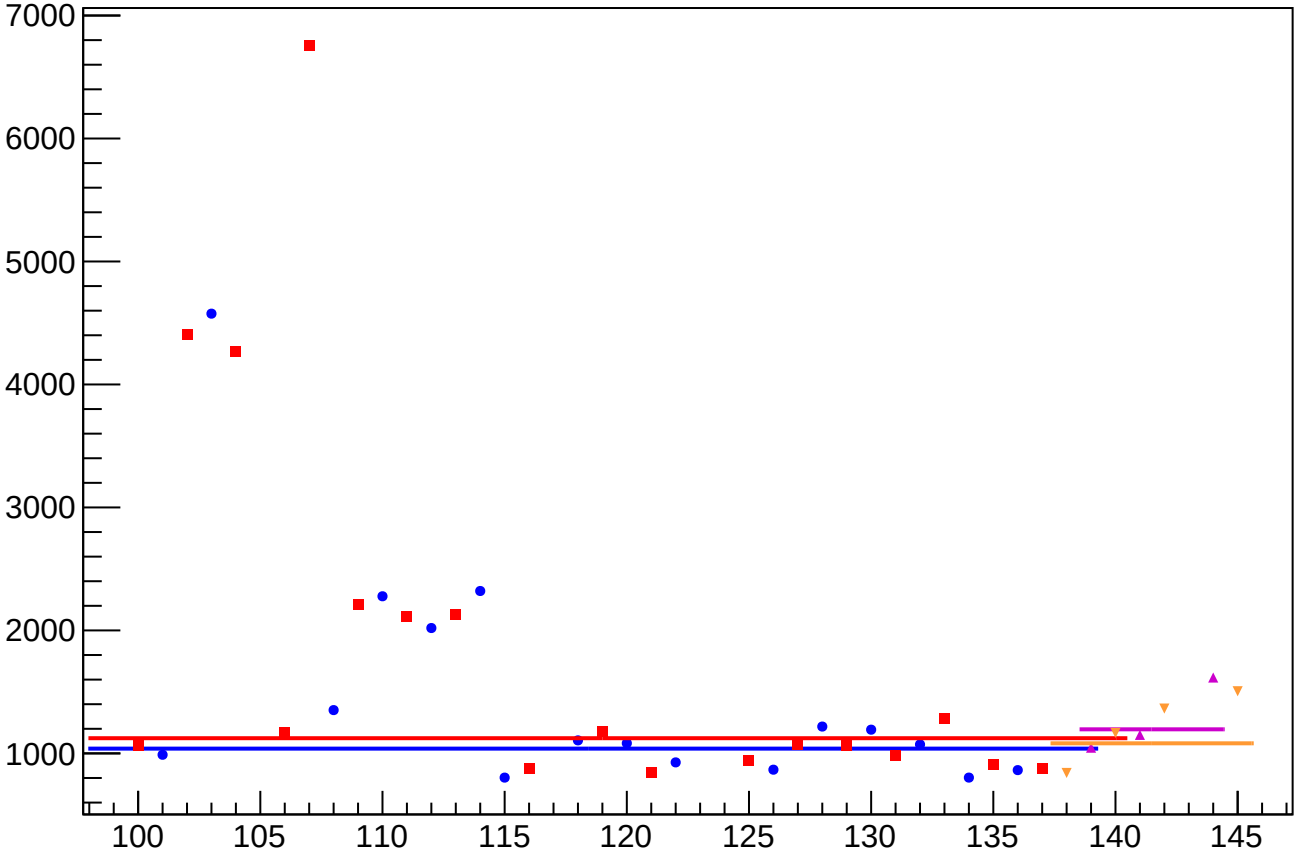
Left In: 522.120+/-754.163 χ^2/NDF:1.4/2

+ sign 390.685+/-350.621 χ^2/NDF: 20.7/19

All: 495.360+/-261.641 χ^2/NDF: 36.7/40

- sign 626.888+/-393.032 χ^2/NDF: 15.8/20

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

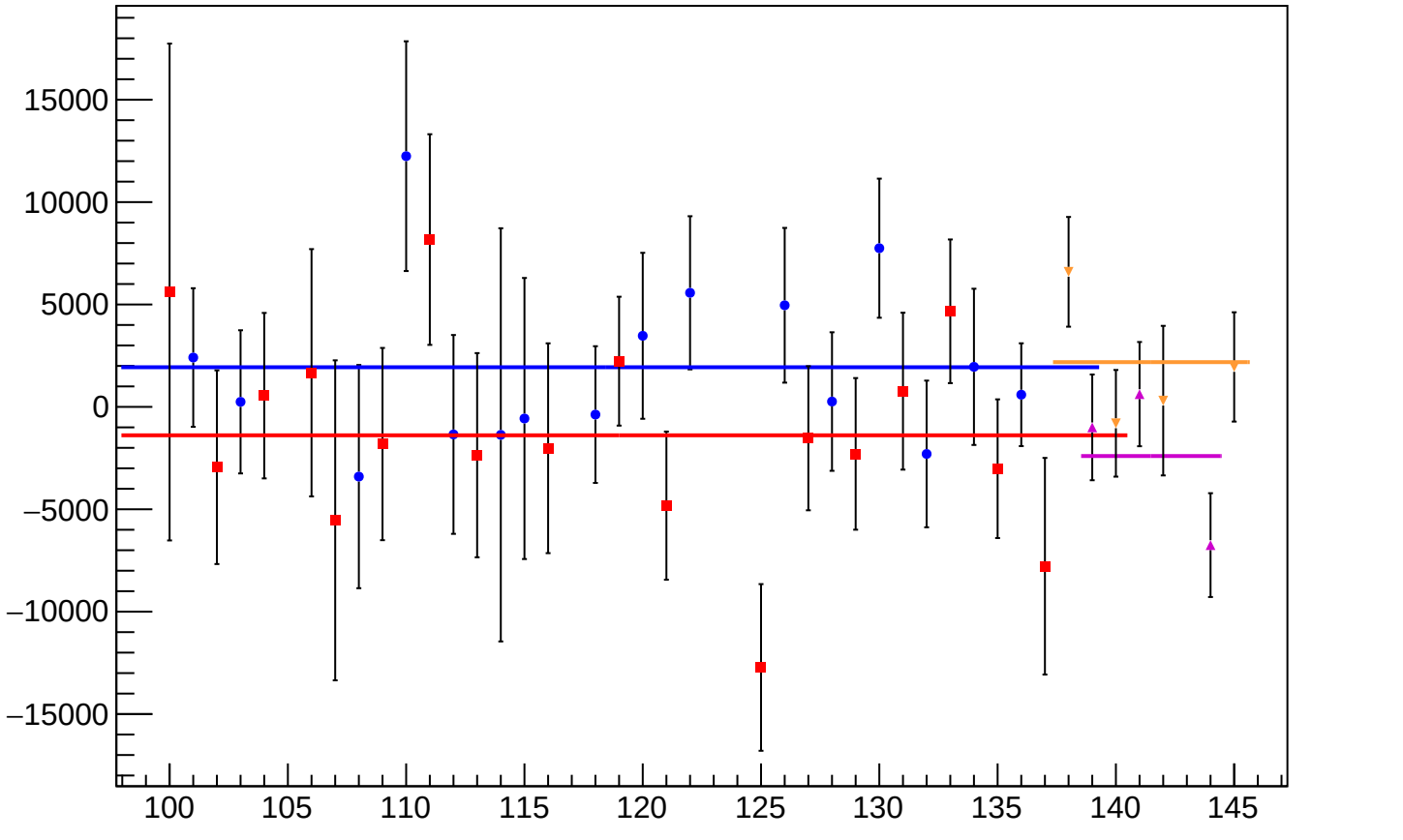
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 1195.721+/-0.533 χ^2/NDF:156782.8/2

+ sign 1050.729+/-0.248 χ^2/NDF: 1835187.9/19

All: 1091.662+/-0.185 χ^2/NDF: 4602362.1/40

- sign 1143.096+/-0.278 χ^2/NDF: 2705663.8/20



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

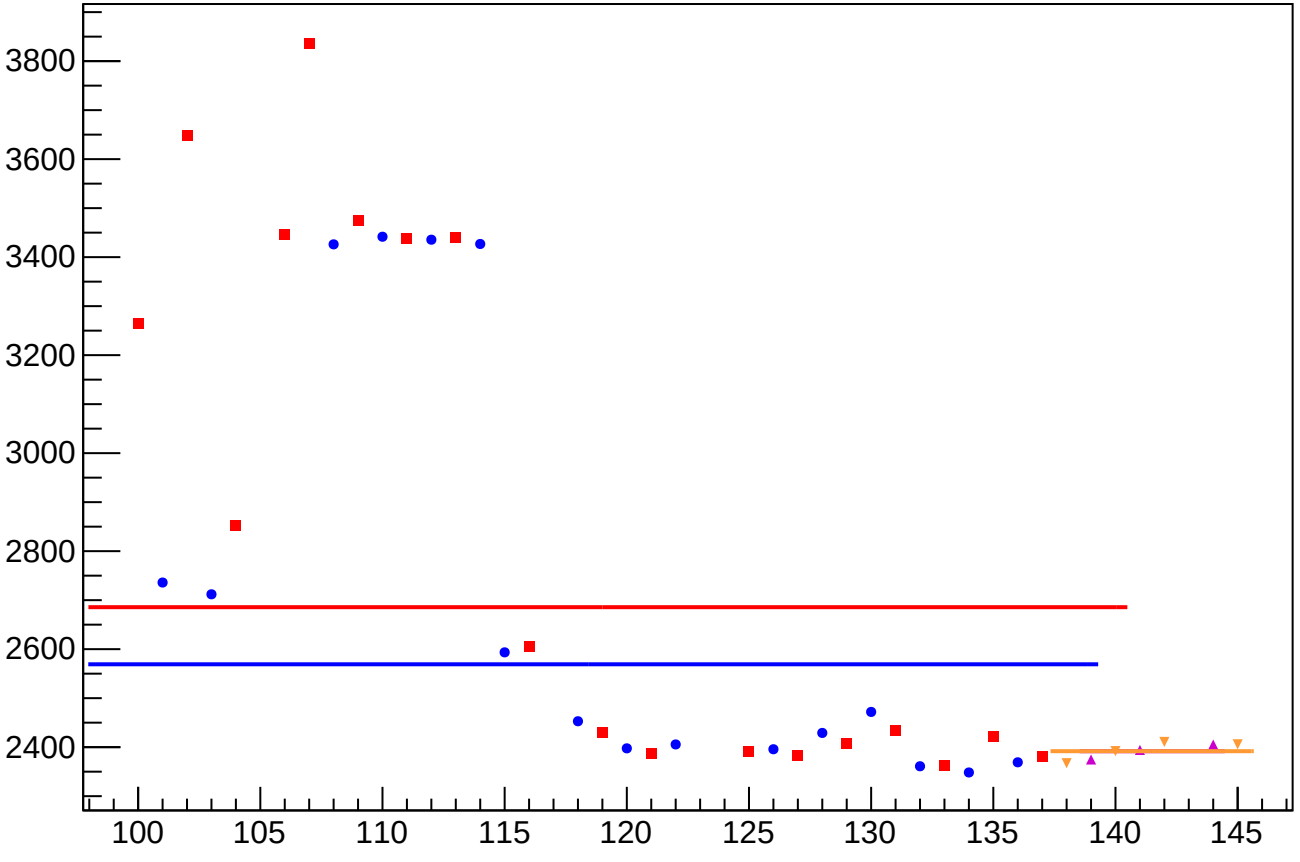
Left In: -2400.142+/-1474.250 χ^2/NDF:4.6/2

+ sign 2015.116+/-795.091 χ^2/NDF: 16.7/19

All: 238.321+/-575.055 χ^2/NDF: 51.9/40

- sign -1710.608+/-832.714 χ^2/NDF: 24.7/20

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

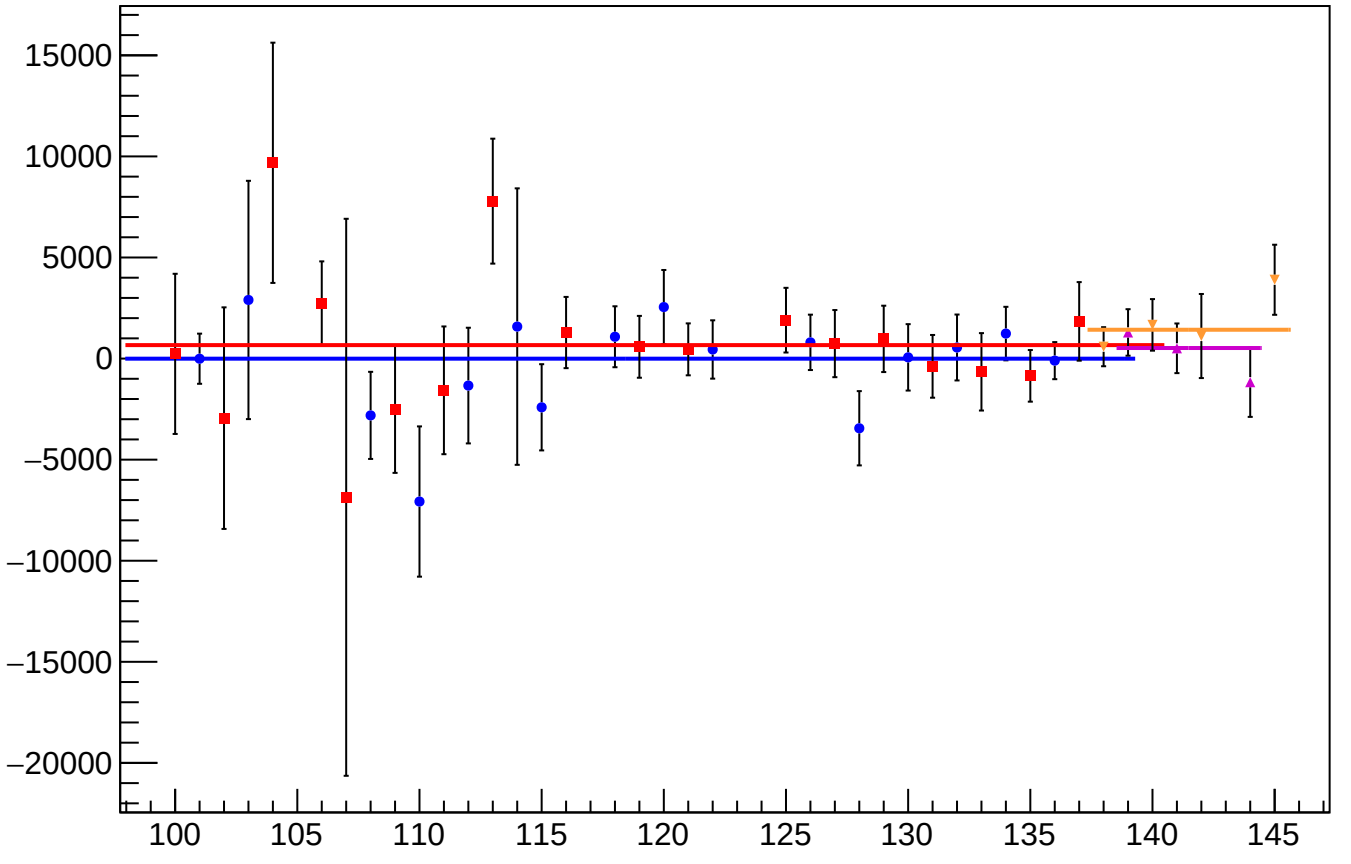
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2391.702+/-1.042 χ^2/NDF:145.1/2

+ sign 2512.847+/-0.562 χ^2/NDF: 251320.9/19

All: 2550.540+/-0.407 χ^2/NDF: 734307.8/40

- sign 2591.884+/-0.589 χ^2/NDF: 473561.8/20



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

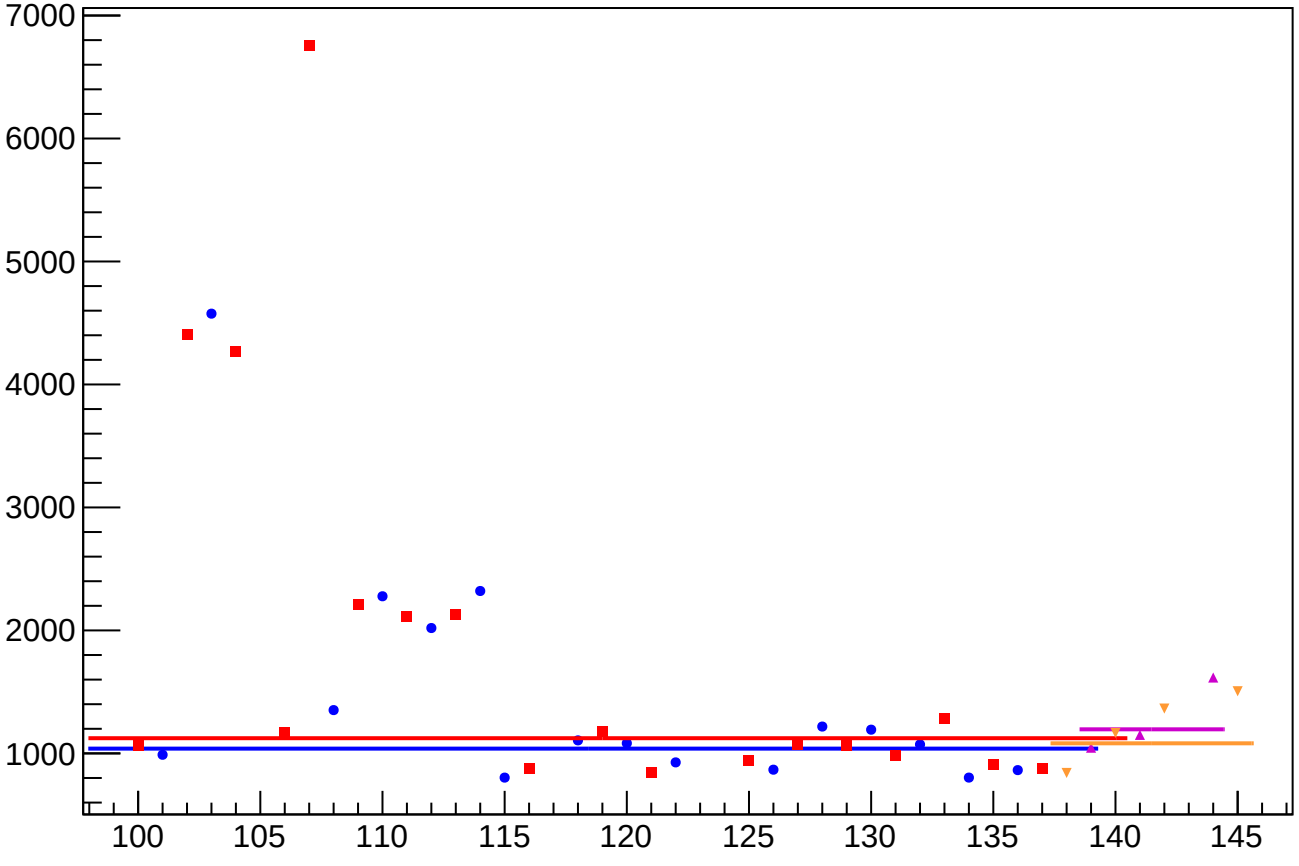
Left In: 522.123+/-754.163 χ^2/NDF:1.4/2

+ sign 390.684+/-350.621 χ^2/NDF: 20.7/19

All: 495.359+/-261.641 χ^2/NDF: 36.7/40

- sign 626.889+/-393.032 χ^2/NDF: 15.8/20

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

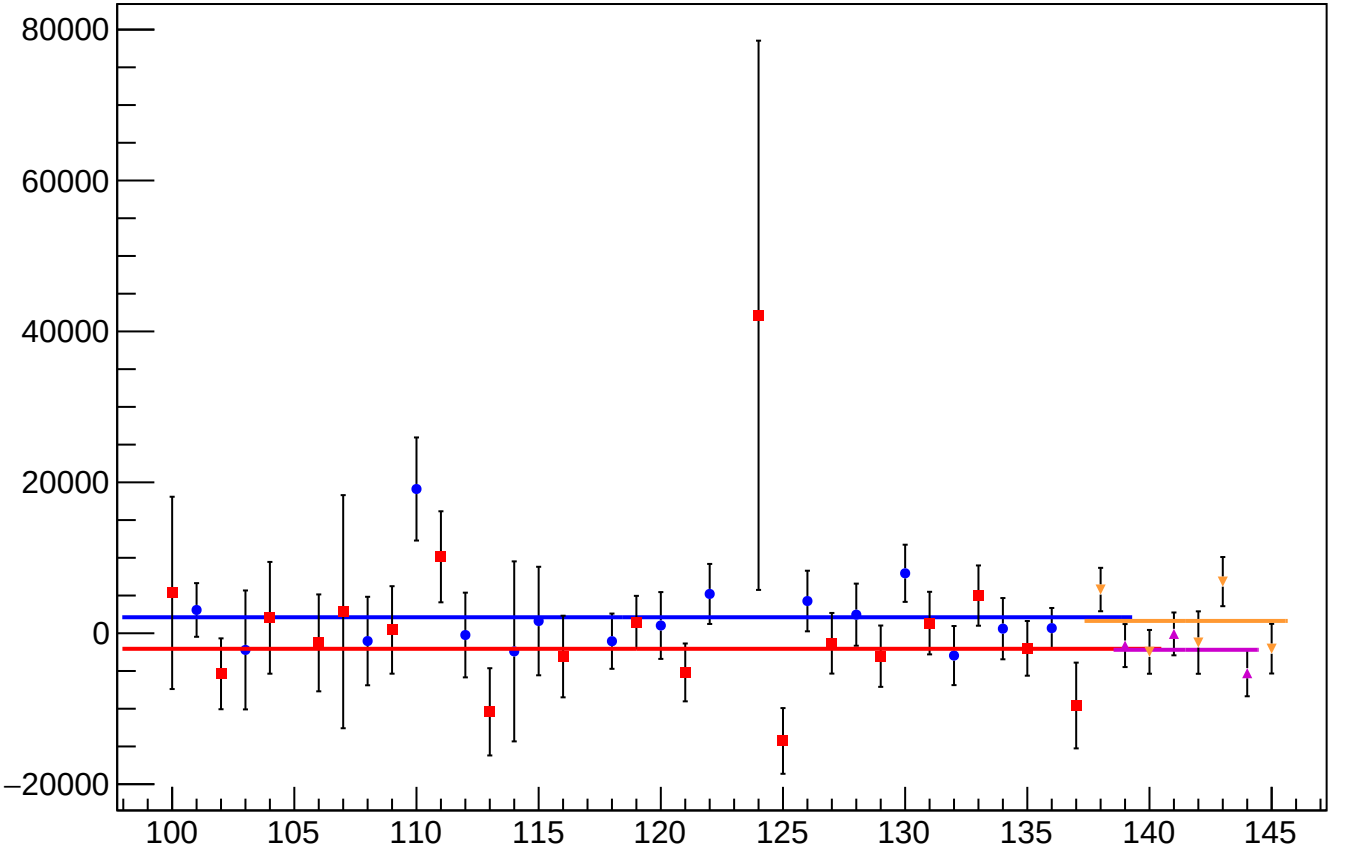
Left In: 1195.722+/-0.533 χ^2/NDF:156783.5/2

+ sign 1050.729+/-0.248 χ^2/NDF: 1835182.0/19

All: 1091.662+/-0.185 χ^2/NDF: 4602354.9/40

- sign 1143.096+/-0.278 χ^2/NDF: 2705663.0/20

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

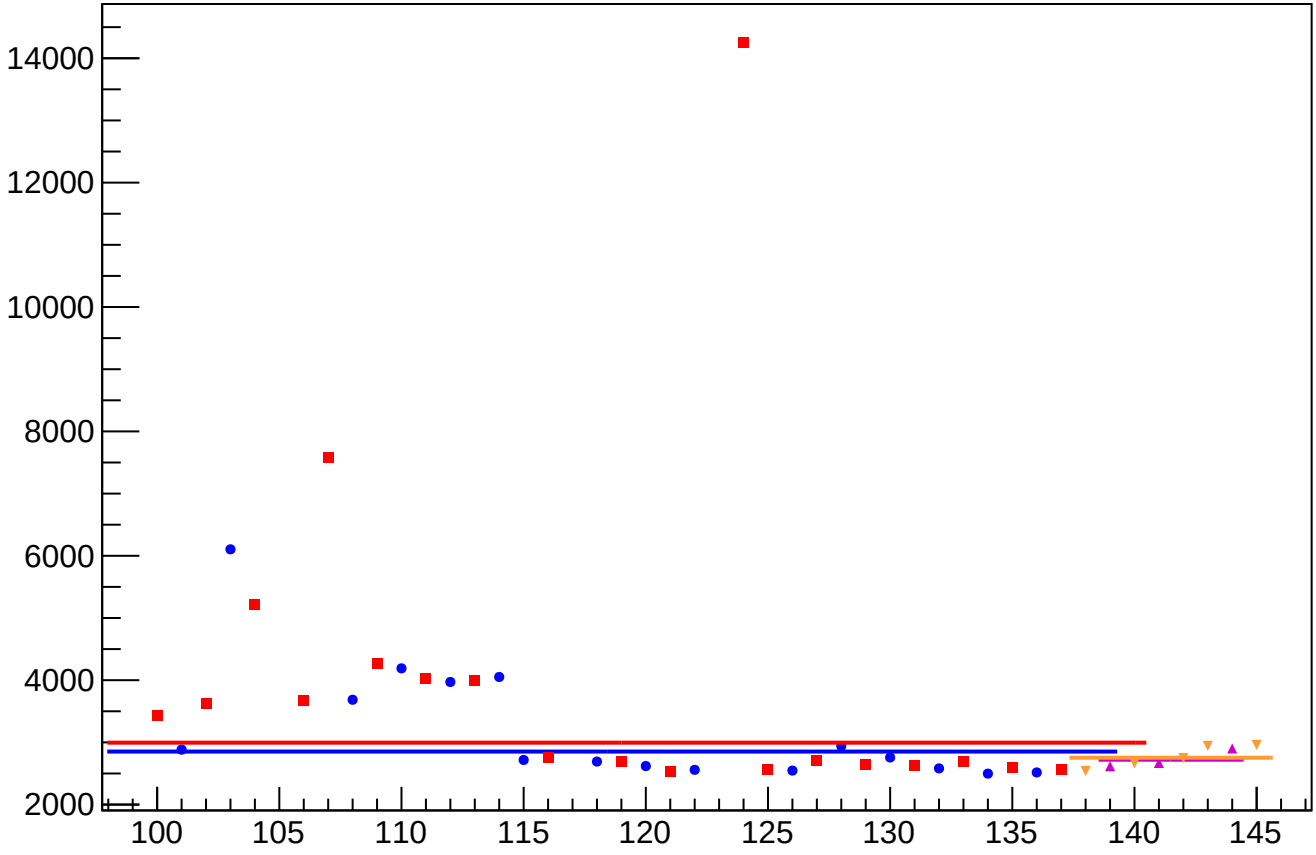
Left In: -2190.722+/-1680.427 χ^2/NDF:1.6/2

+ sign 1945.469+/-865.635 χ^2/NDF: 21.8/20

All: 92.056+/-637.258 χ^2/NDF: 57.8/42

- sign -2100.865+/-941.586 χ^2/NDF: 25.9/21

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

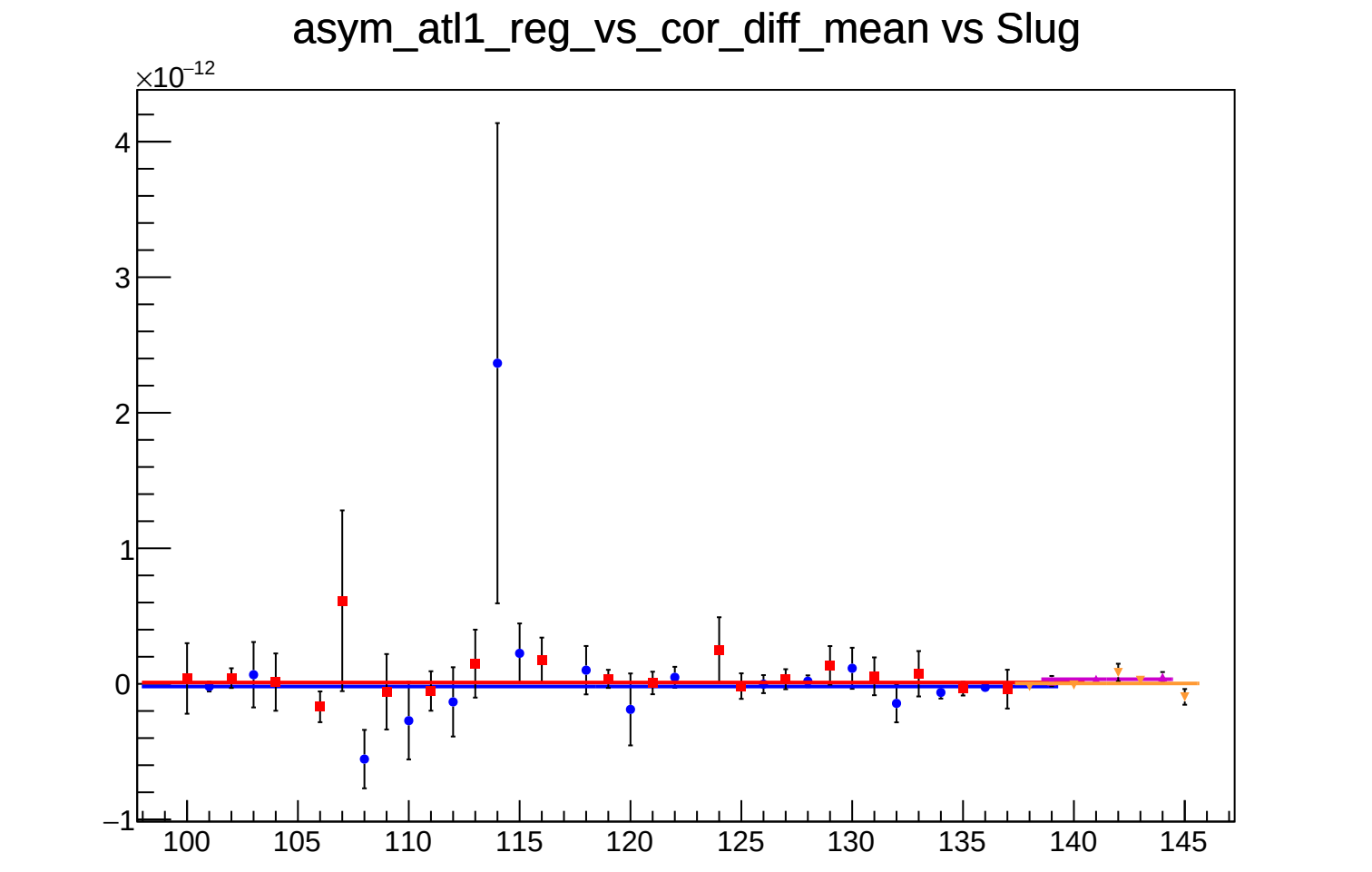
Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2721.390+/-1.188 χ^2/NDF:10329.7/2

+ sign 2816.401+/-0.612 χ^2/NDF: 682245.8/20

All: 2859.025+/-0.451 χ^2/NDF: 1718845.4/42

- sign 2909.457+/-0.666 χ^2/NDF: 1026013.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/4

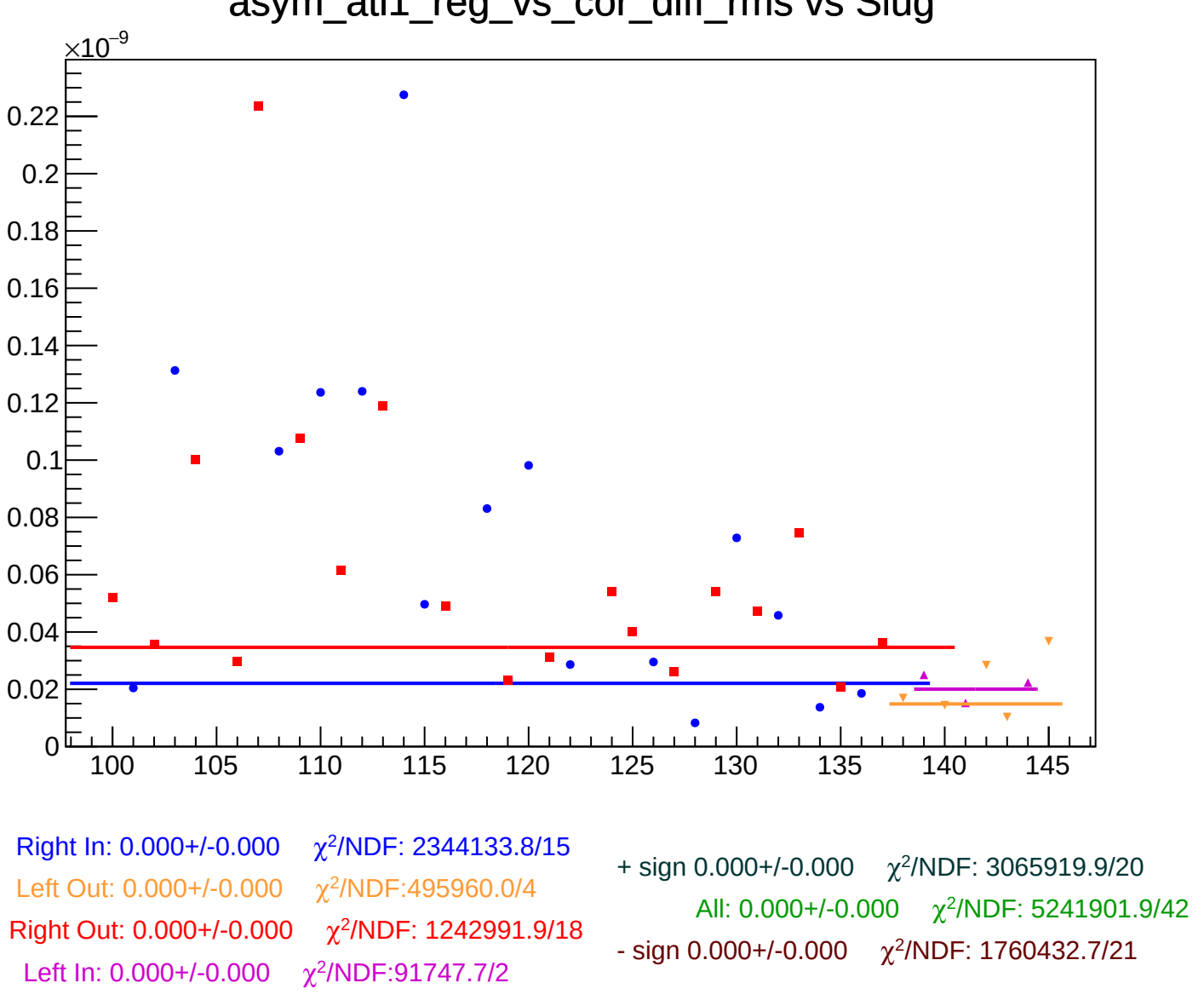
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

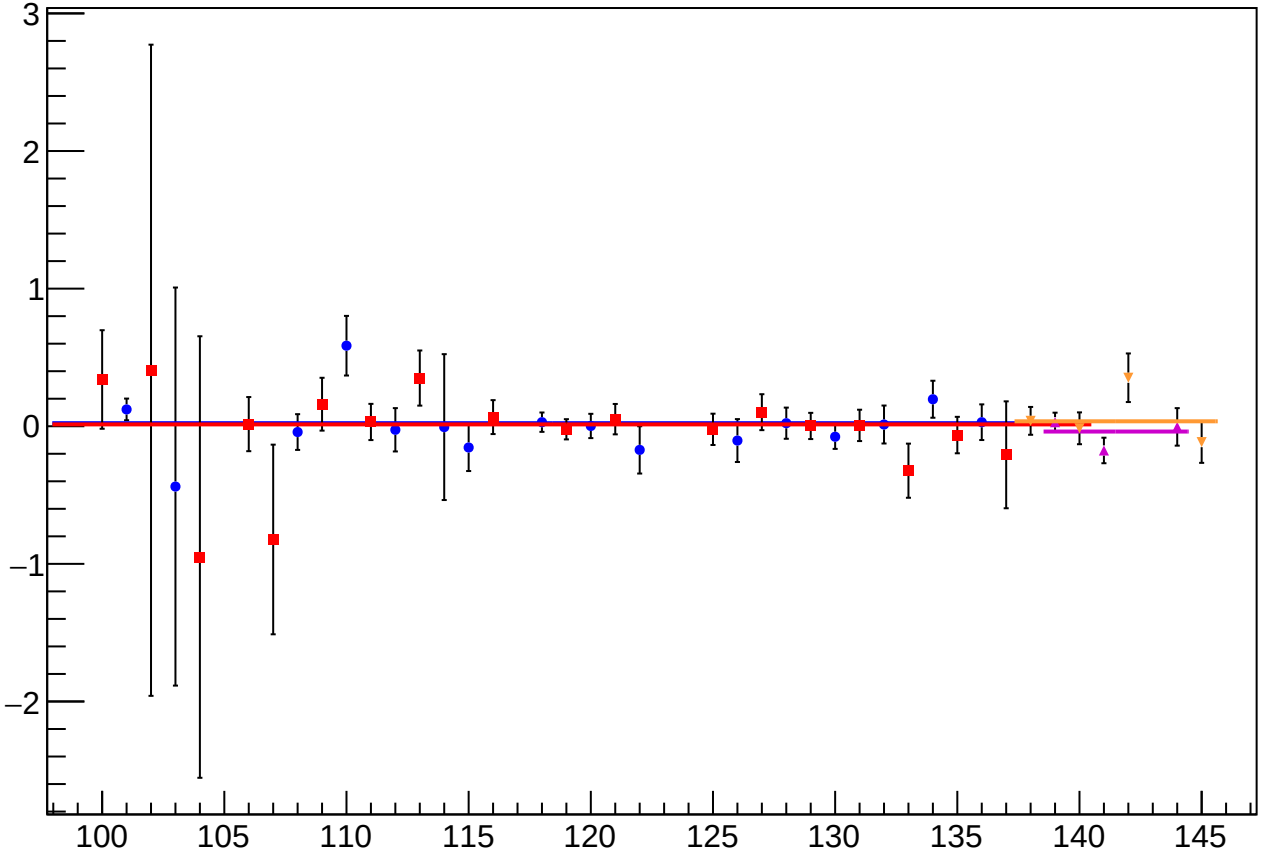
+ sign -0.000+/-0.000 χ^2/NDF: 23.3/20

All: 0.000+/-0.000 χ^2/NDF: 35.0/42

- sign 0.000+/-0.000 χ^2/NDF: 9.2/21


asym_atl1_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2344133.8/15
Left Out: 0.000+/-0.000 χ²/NDF:495960.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1242991.9/18
Left In: 0.000+/-0.000 χ²/NDF:91747.7/2
+ sign 0.000+/-0.000 χ²/NDF: 3065919.9/20
All: 0.000+/-0.000 χ²/NDF: 5241901.9/42
- sign 0.000+/-0.000 χ²/NDF: 1760432.7/21

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

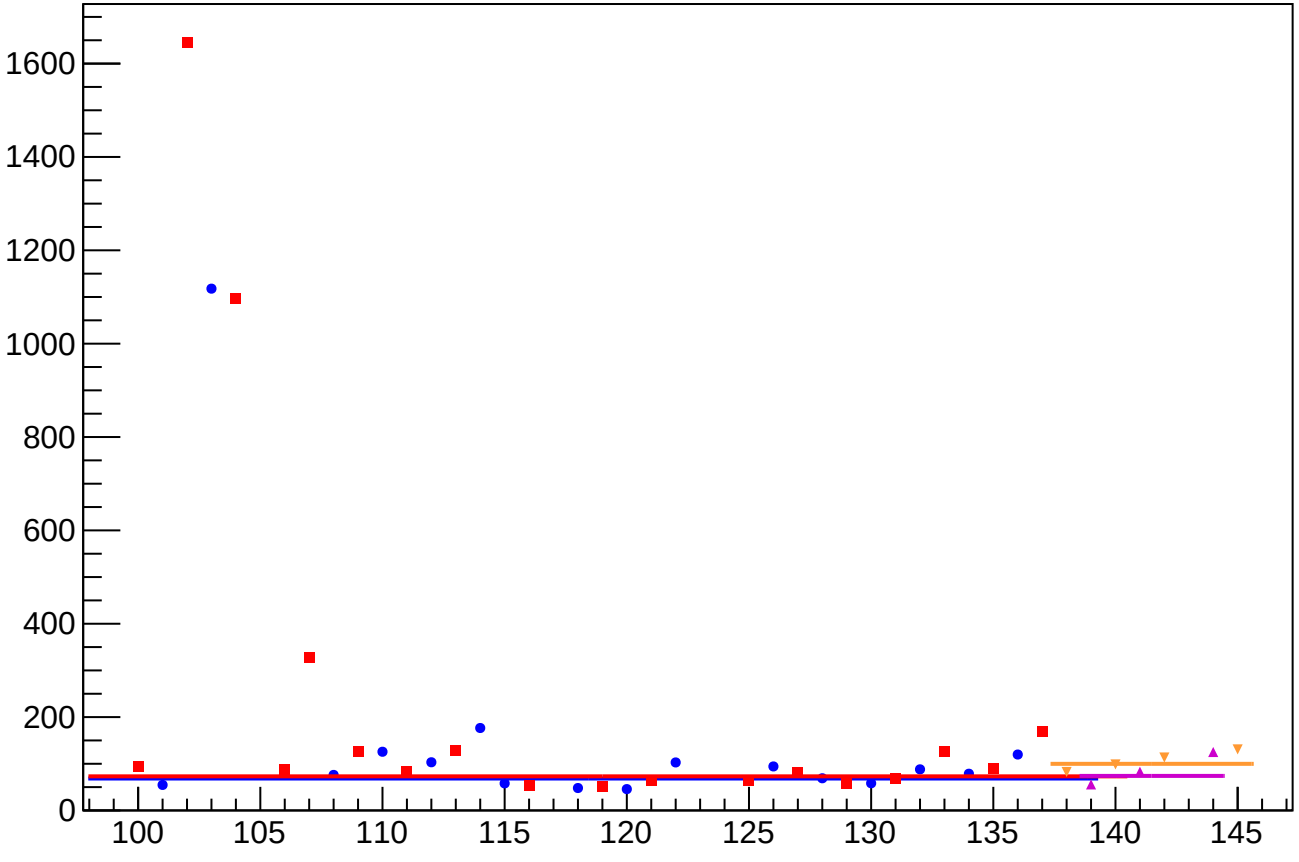
Left In: -0.039+/-0.051 χ^2/NDF:3.2/2

+ sign 0.025+/-0.027 χ^2/NDF: 19.3/19

All: 0.012+/-0.020 χ^2/NDF: 34.5/40

- sign -0.002+/-0.028 χ^2/NDF: 14.8/20

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

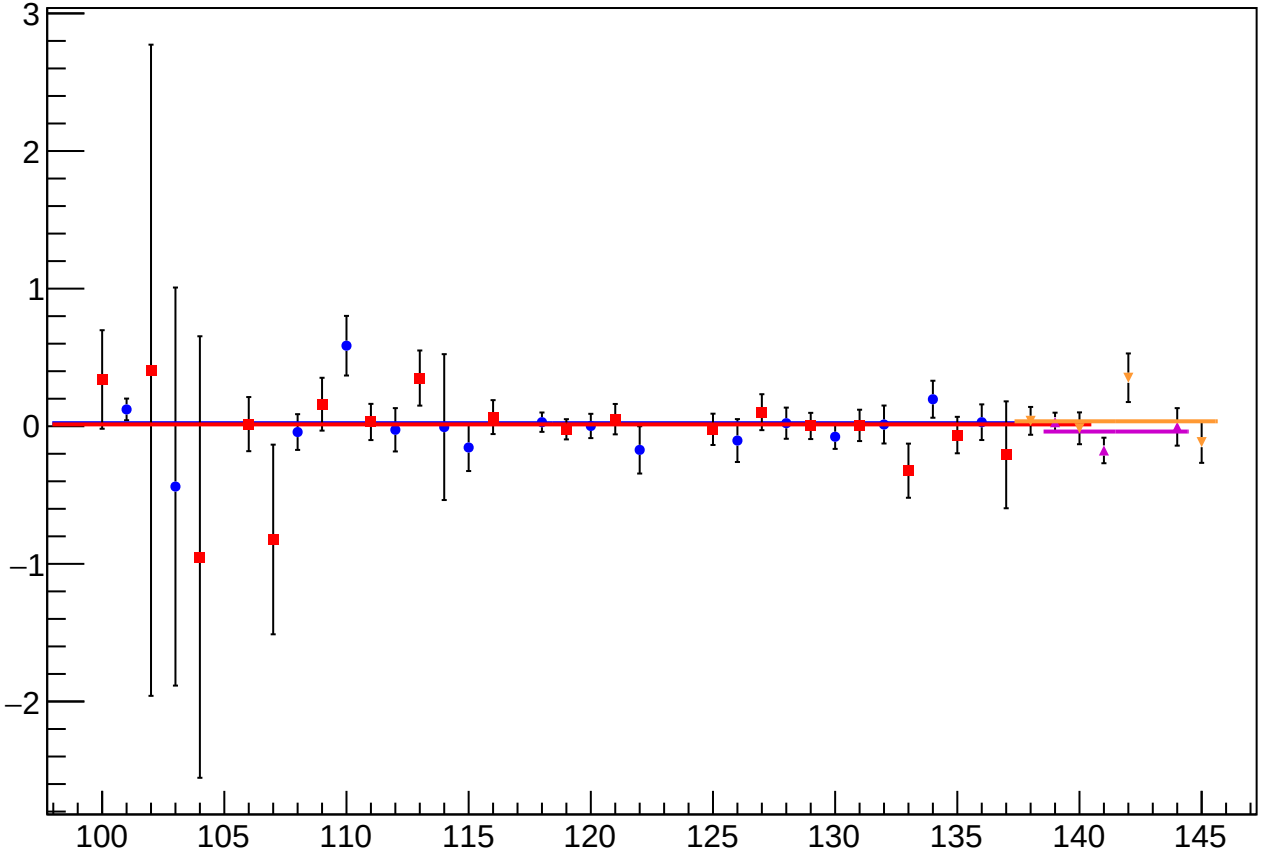
Left In: 74.025+/-0.036 χ^2/NDF:439450.9/2

+ sign 74.225+/-0.019 χ^2/NDF: 2834760.3/19

All: 73.804+/-0.014 χ^2/NDF: 6188830.6/40

- sign 73.356+/-0.020 χ^2/NDF: 3353081.4/20

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

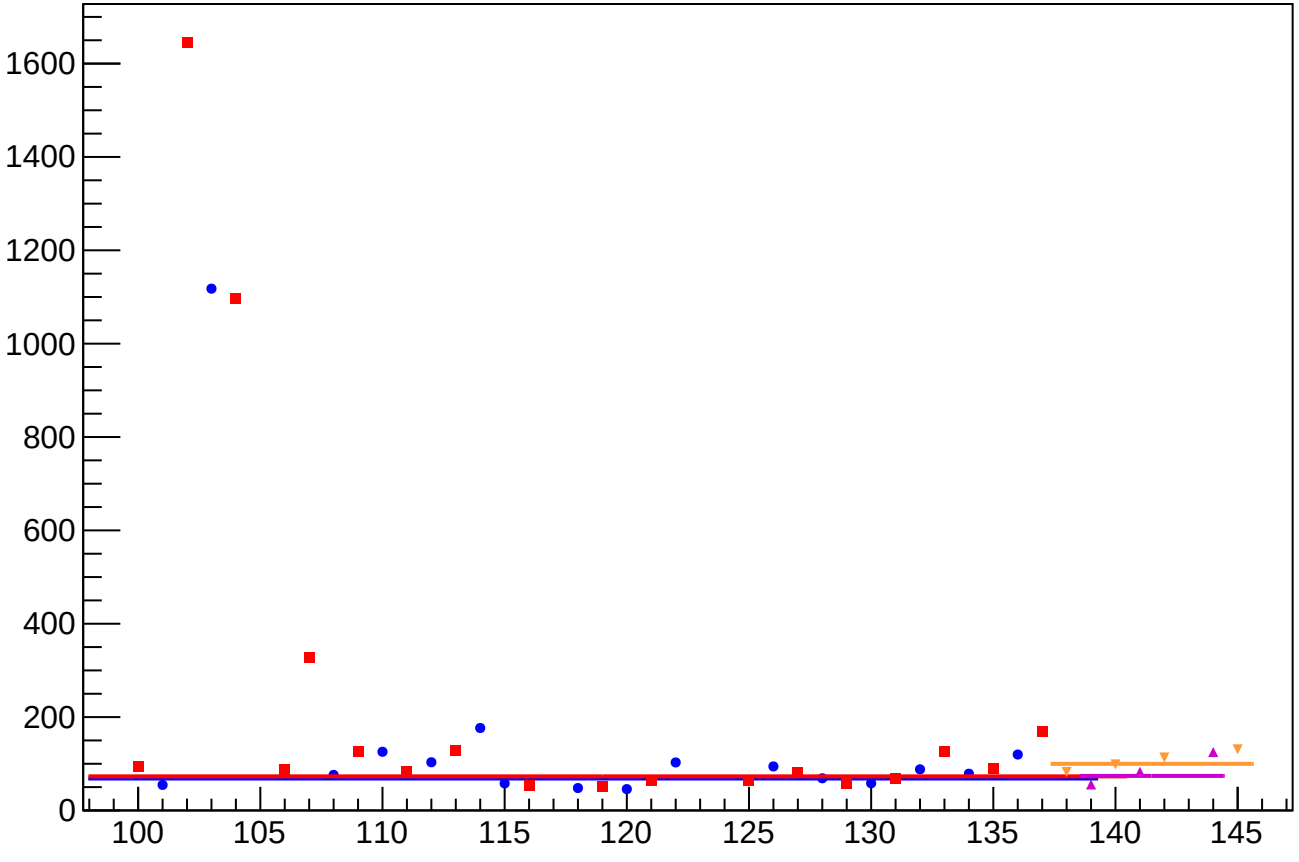
Left In: -0.039+/-0.051 χ^2/NDF:3.2/2

+ sign 0.025+/-0.027 χ^2/NDF: 19.3/19

All: 0.012+/-0.020 χ^2/NDF: 34.5/40

- sign -0.002+/-0.028 χ^2/NDF: 14.8/20

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

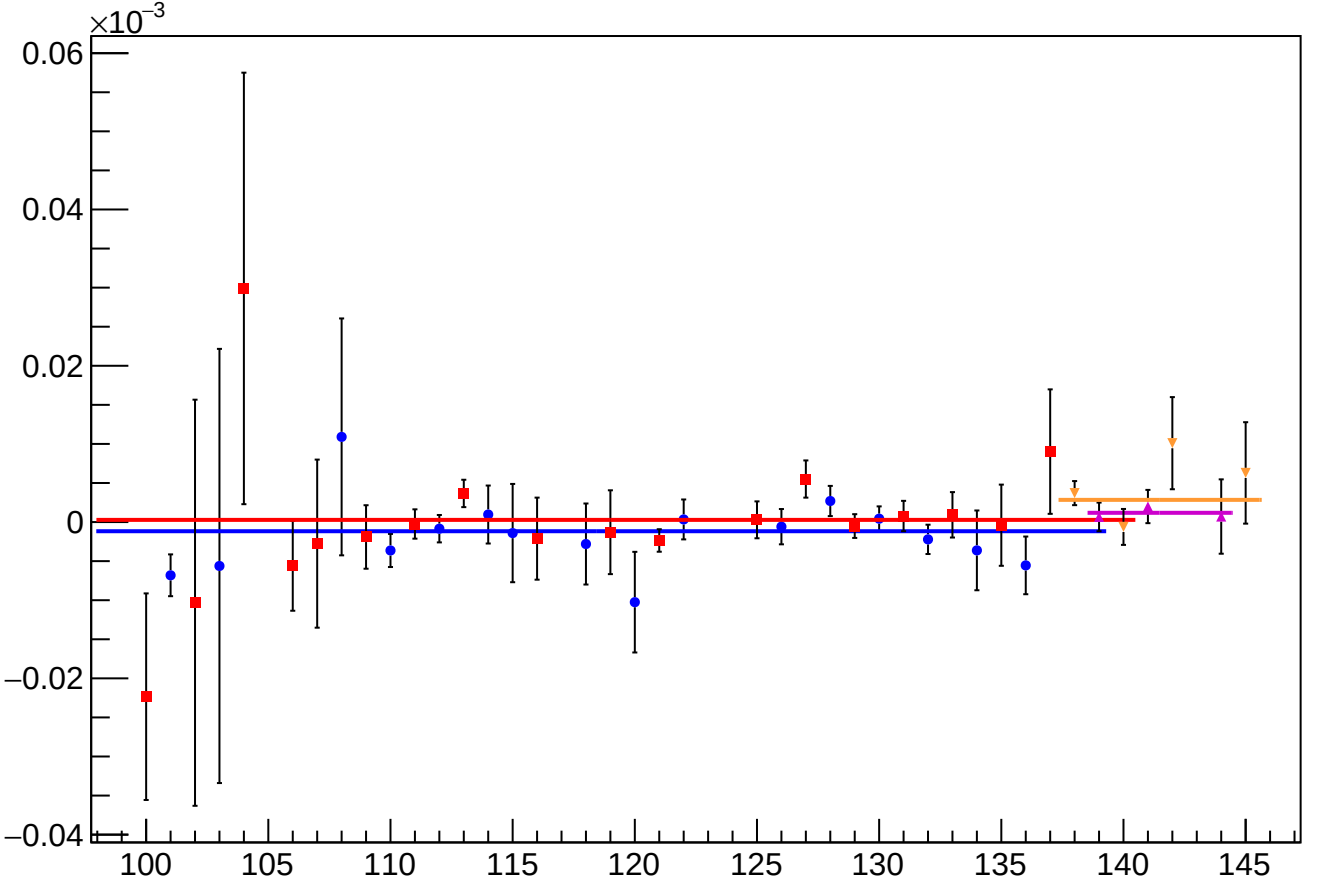
Left In: 74.025+/-0.036 χ^2/NDF:439450.9/2

+ sign 74.225+/-0.019 χ^2/NDF: 2834760.3/19

All: 73.804+/-0.014 χ^2/NDF: 6188830.6/40

- sign 73.356+/-0.020 χ^2/NDF: 3353081.4/20

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

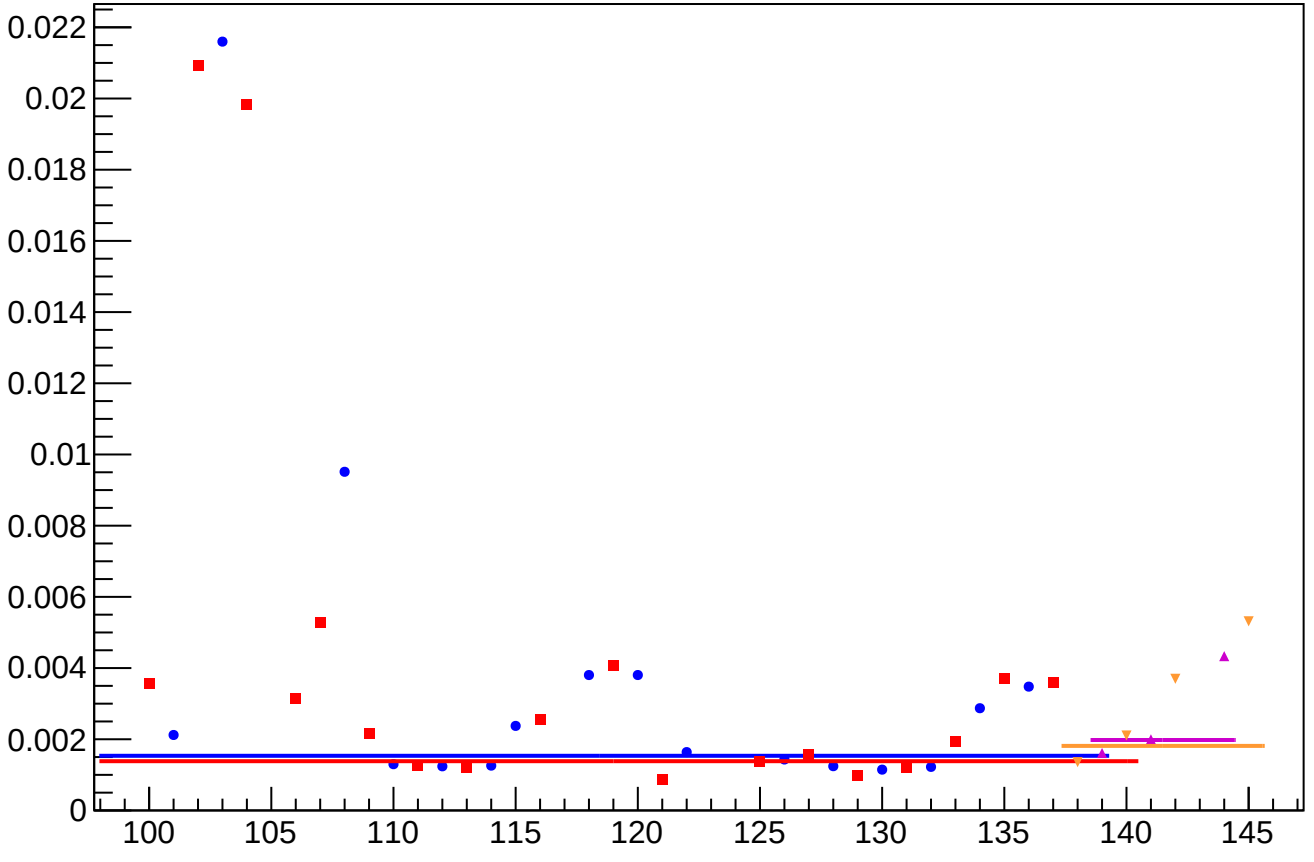
Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/19

All: 0.000+/-0.000 χ^2/NDF: 49.8/40

- sign 0.000+/-0.000 χ^2/NDF: 20.1/20

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

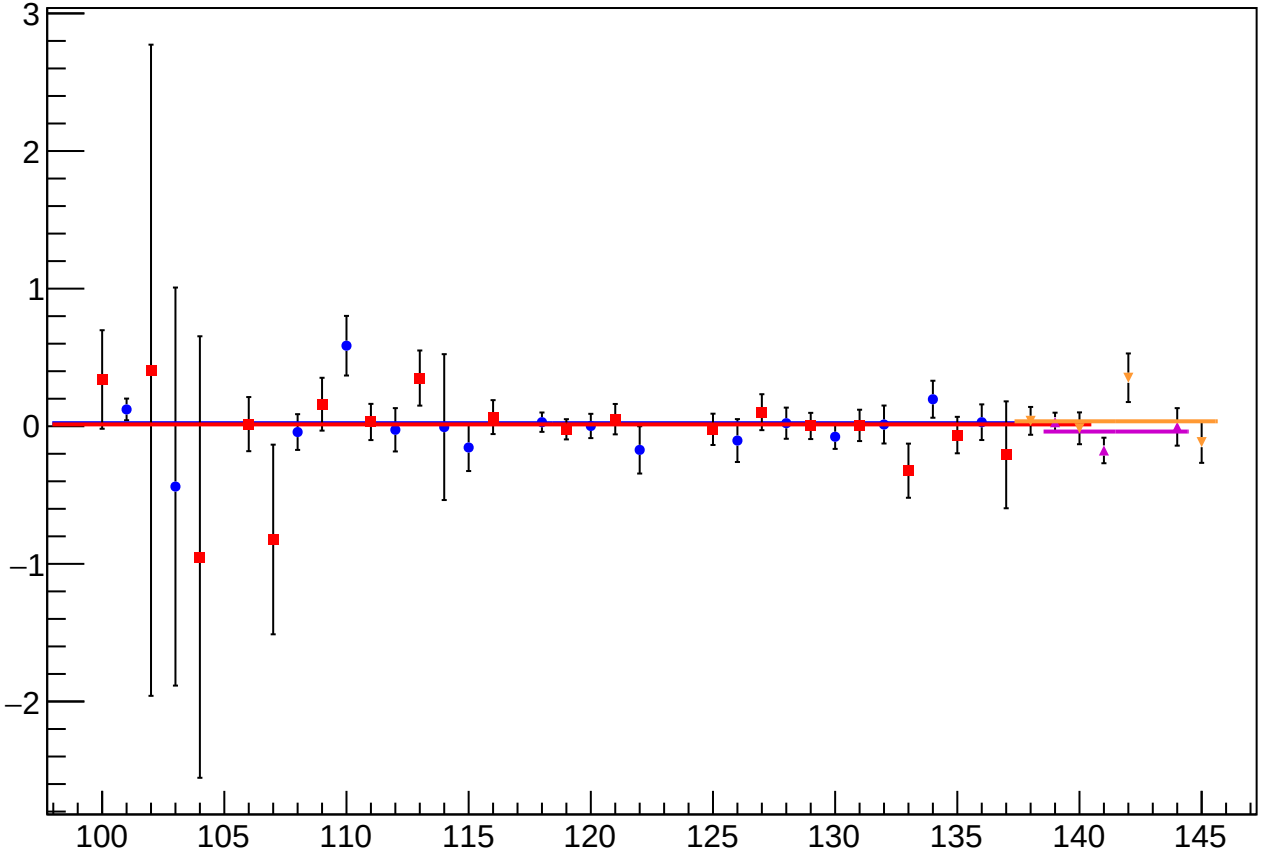
Left In: 0.002+/-0.000 χ^2/NDF:569717.2/2

+ sign 0.002+/-0.000 χ^2/NDF: 4447362.3/19

All: 0.002+/-0.000 χ^2/NDF: 9644613.2/40

- sign 0.001+/-0.000 χ^2/NDF: 5163953.1/20

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

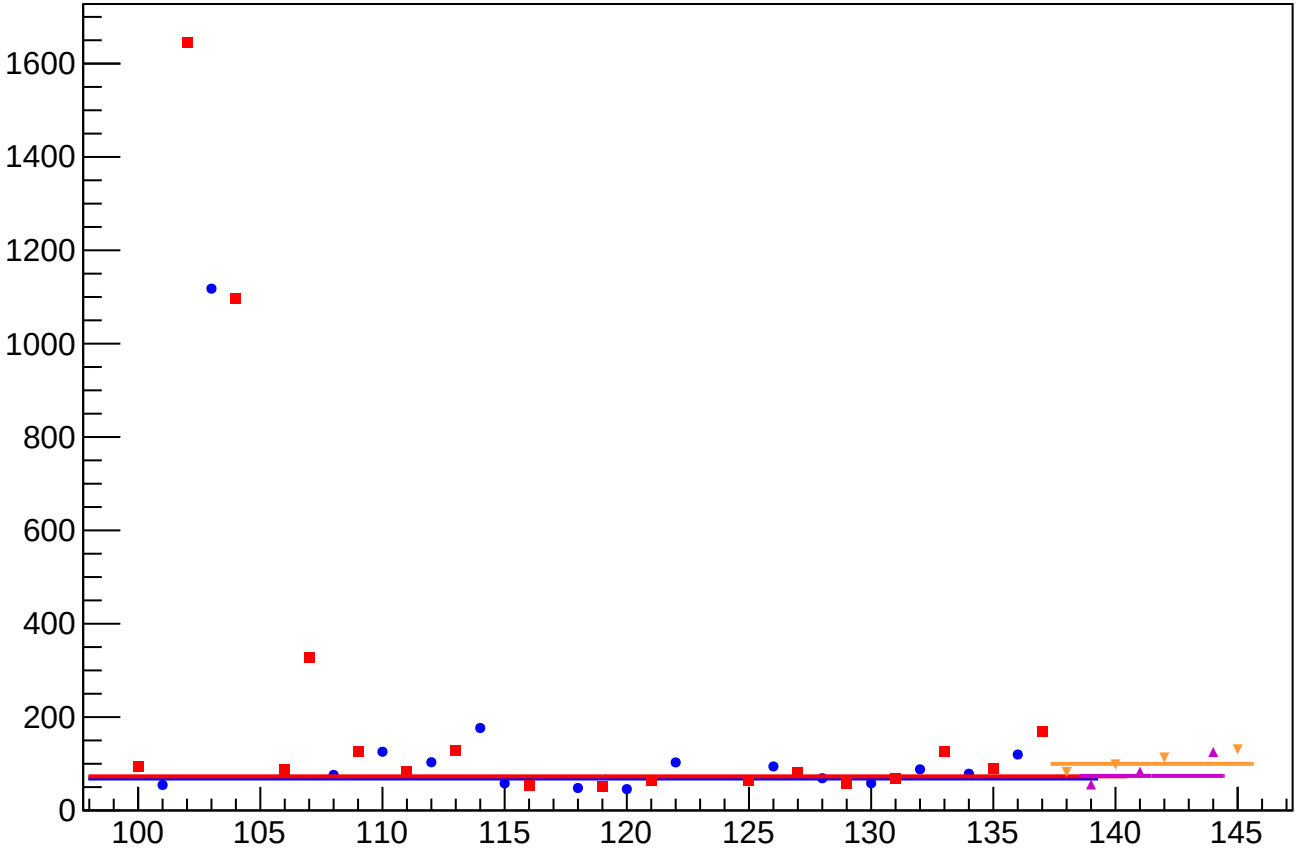
Left In: -0.039+/-0.051 χ^2/NDF:3.2/2

+ sign 0.025+/-0.027 χ^2/NDF: 19.3/19

All: 0.012+/-0.020 χ^2/NDF: 34.5/40

- sign -0.002+/-0.028 χ^2/NDF: 14.8/20

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

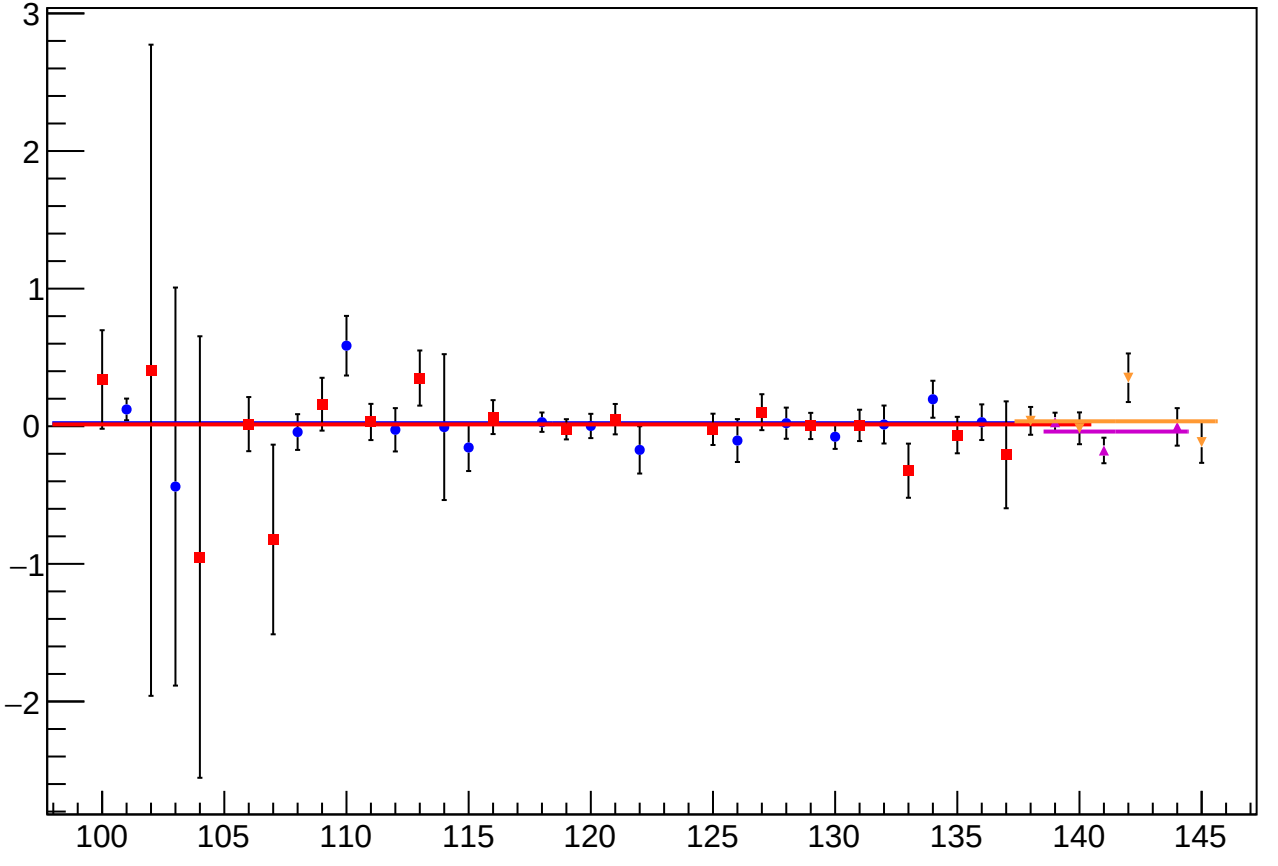
Left In: 74.025+/-0.036 χ^2/NDF:439449.2/2

+ sign 74.225+/-0.019 χ^2/NDF: 2834858.0/19

All: 73.803+/-0.014 χ^2/NDF: 6188940.3/40

- sign 73.356+/-0.020 χ^2/NDF: 3353094.5/20

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.036+/-0.063 χ^2/NDF:4.4/3

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

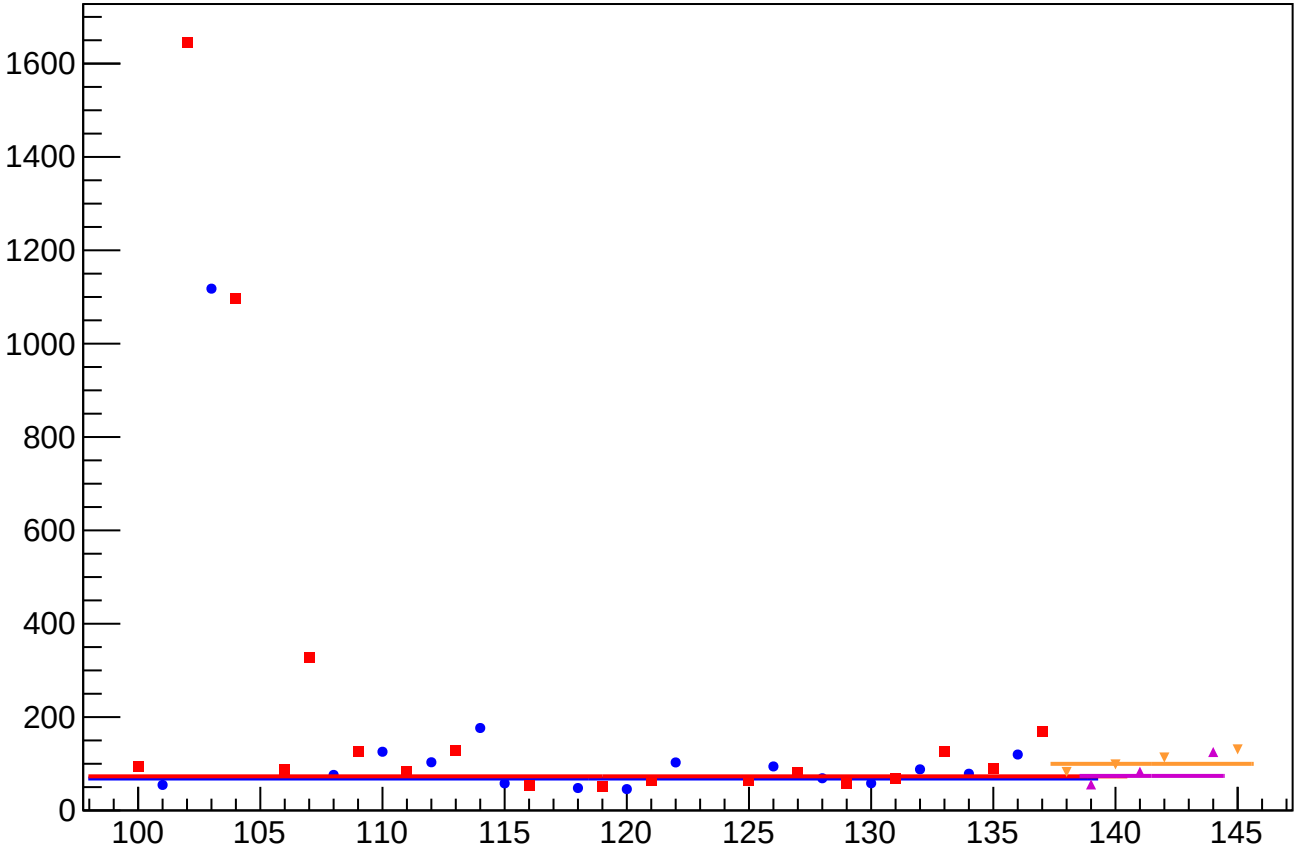
Left In: -0.039+/-0.051 χ^2/NDF:3.2/2

+ sign 0.025+/-0.027 χ^2/NDF: 19.3/19

All: 0.012+/-0.020 χ^2/NDF: 34.5/40

- sign -0.002+/-0.028 χ^2/NDF: 14.8/20

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

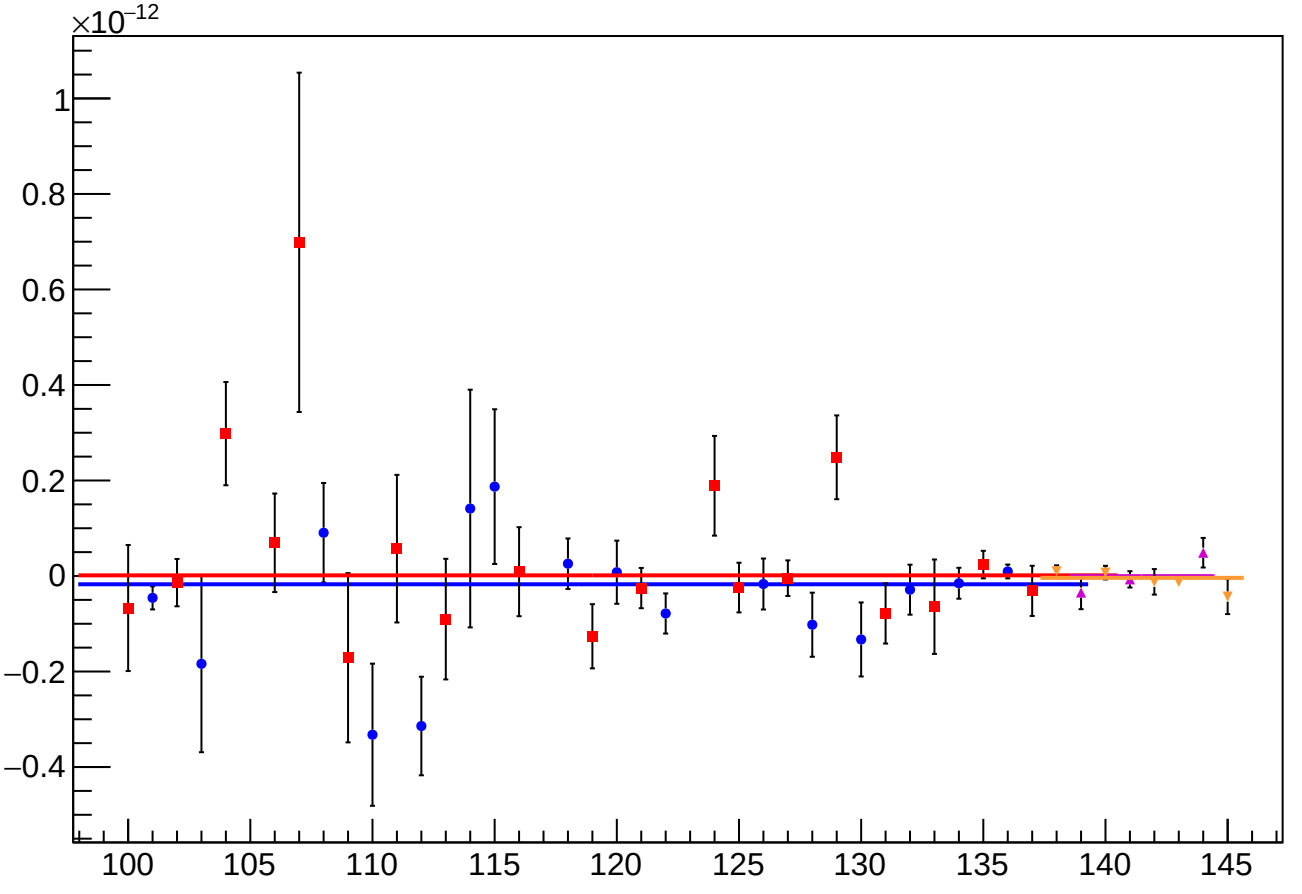
Left In: 74.025+/-0.036 χ^2/NDF:439449.2/2

+ sign 74.225+/-0.019 χ^2/NDF: 2834858.0/19

All: 73.803+/-0.014 χ^2/NDF: 6188940.3/40

- sign 73.356+/-0.020 χ^2/NDF: 3353094.5/20

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

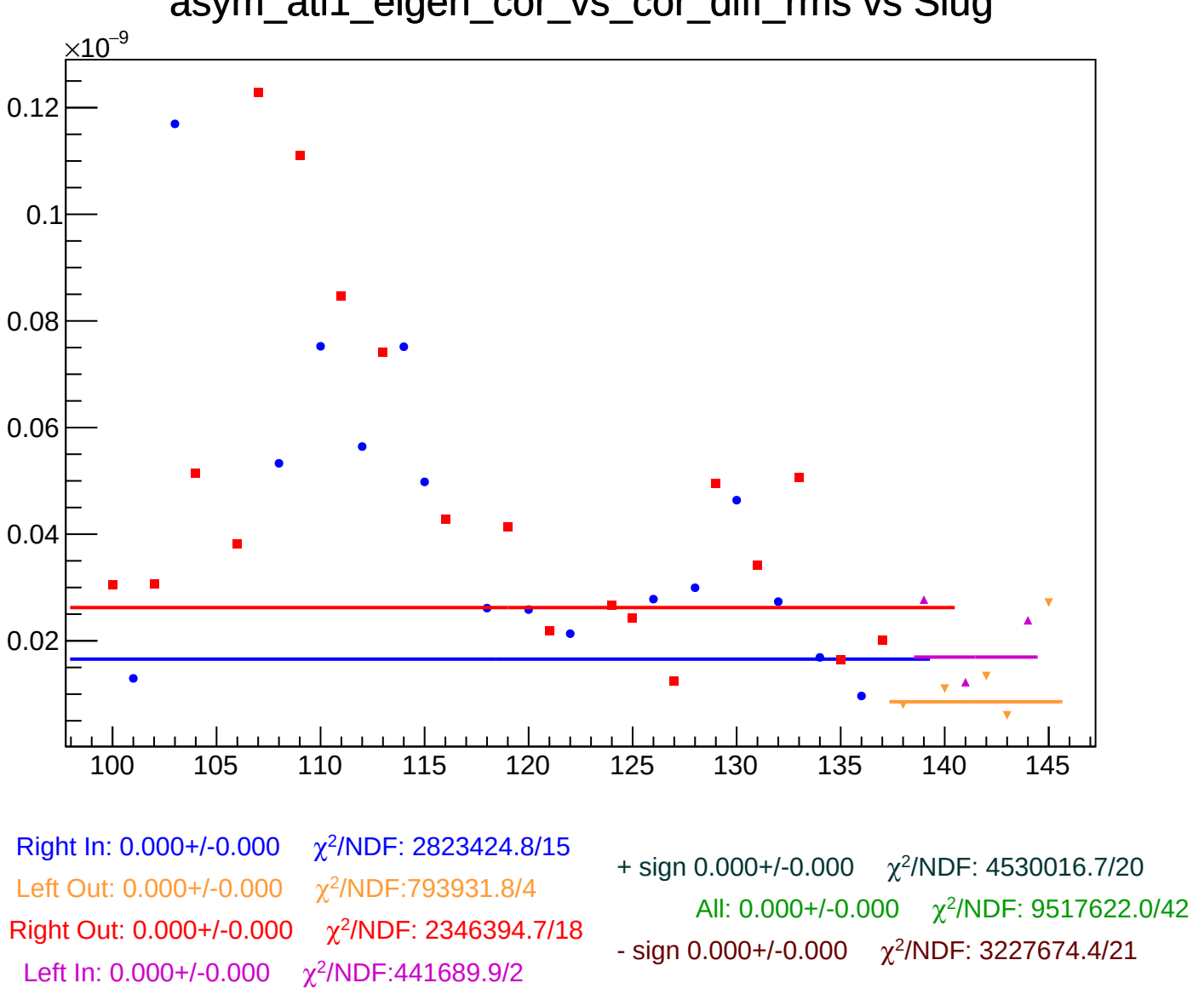
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/2

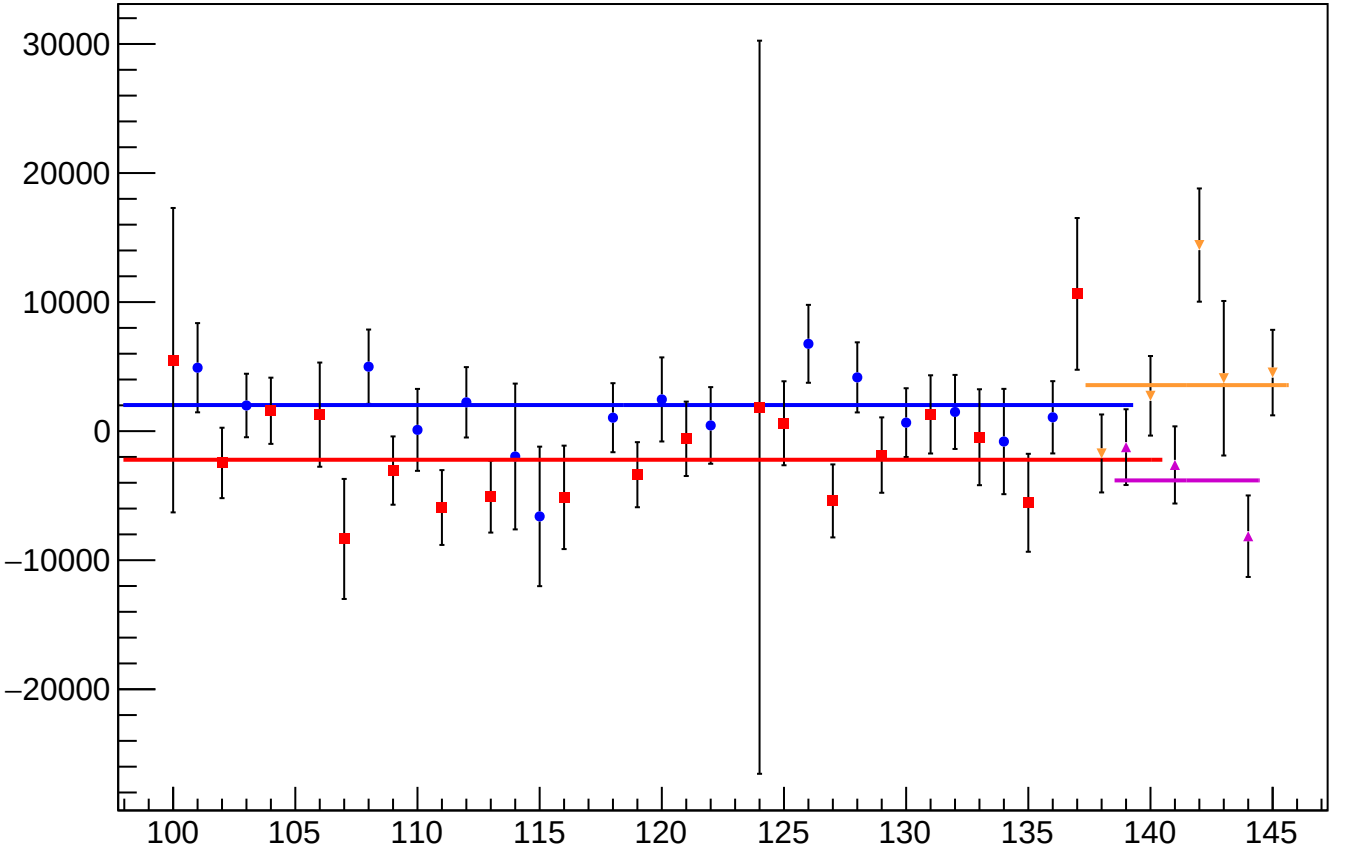
+ sign -0.000+/-0.000 χ^2/NDF: 33.5/20

All: -0.000+/-0.000 χ^2/NDF: 69.9/42

- sign 0.000+/-0.000 χ^2/NDF: 35.9/21


asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:793931.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:441689.9/2
+ sign 0.000+/-0.000 χ²/NDF: 4530016.7/20
All: 0.000+/-0.000 χ²/NDF: 9517622.0/42
- sign 0.000+/-0.000 χ²/NDF: 3227674.4/21

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

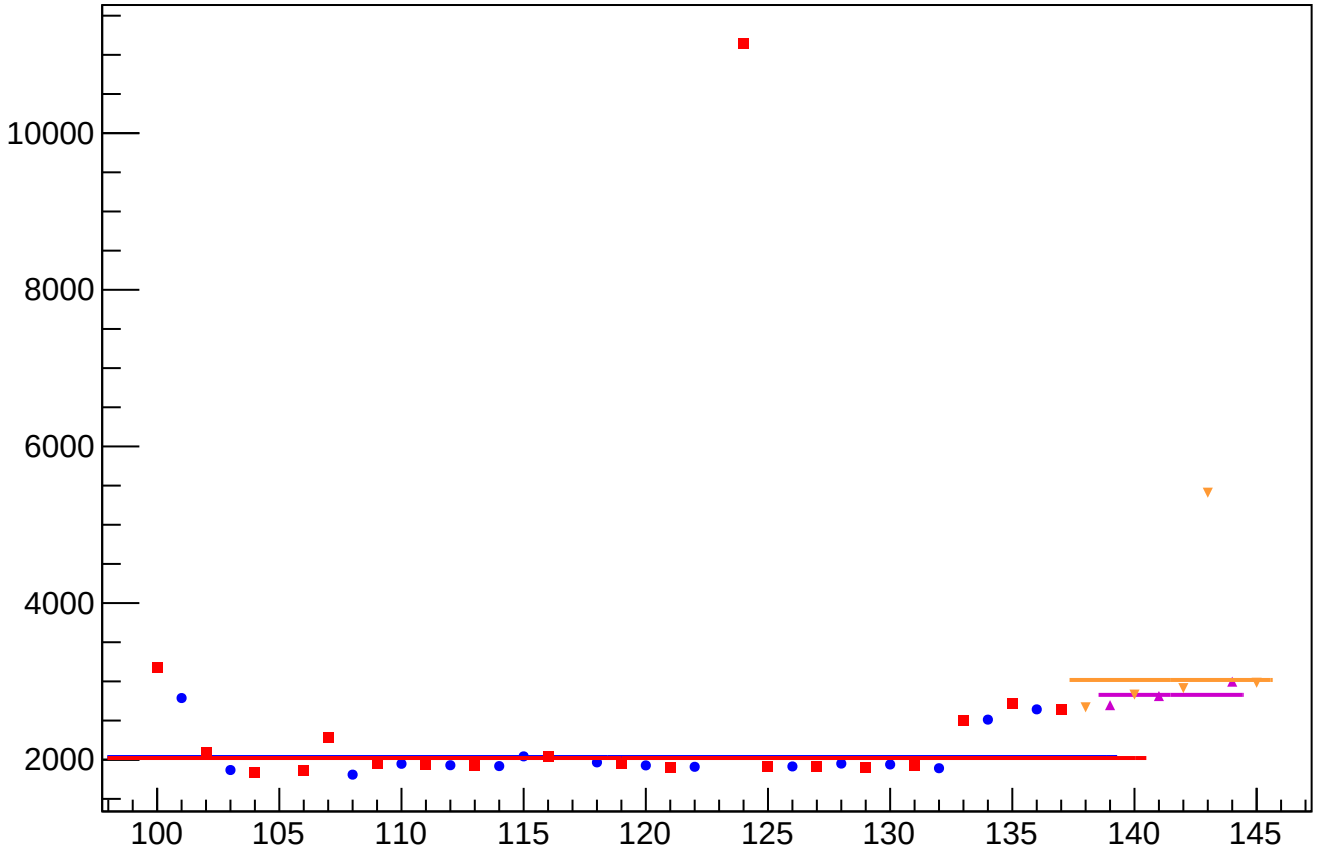
Left In: -3817.483+/-1745.710 χ^2/NDF:2.8/2

+ sign 2306.485+/-690.501 χ^2/NDF: 19.7/20

All: -70.236+/-489.437 χ^2/NDF: 65.2/42

- sign -2470.054+/-693.849 χ^2/NDF: 21.6/21

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

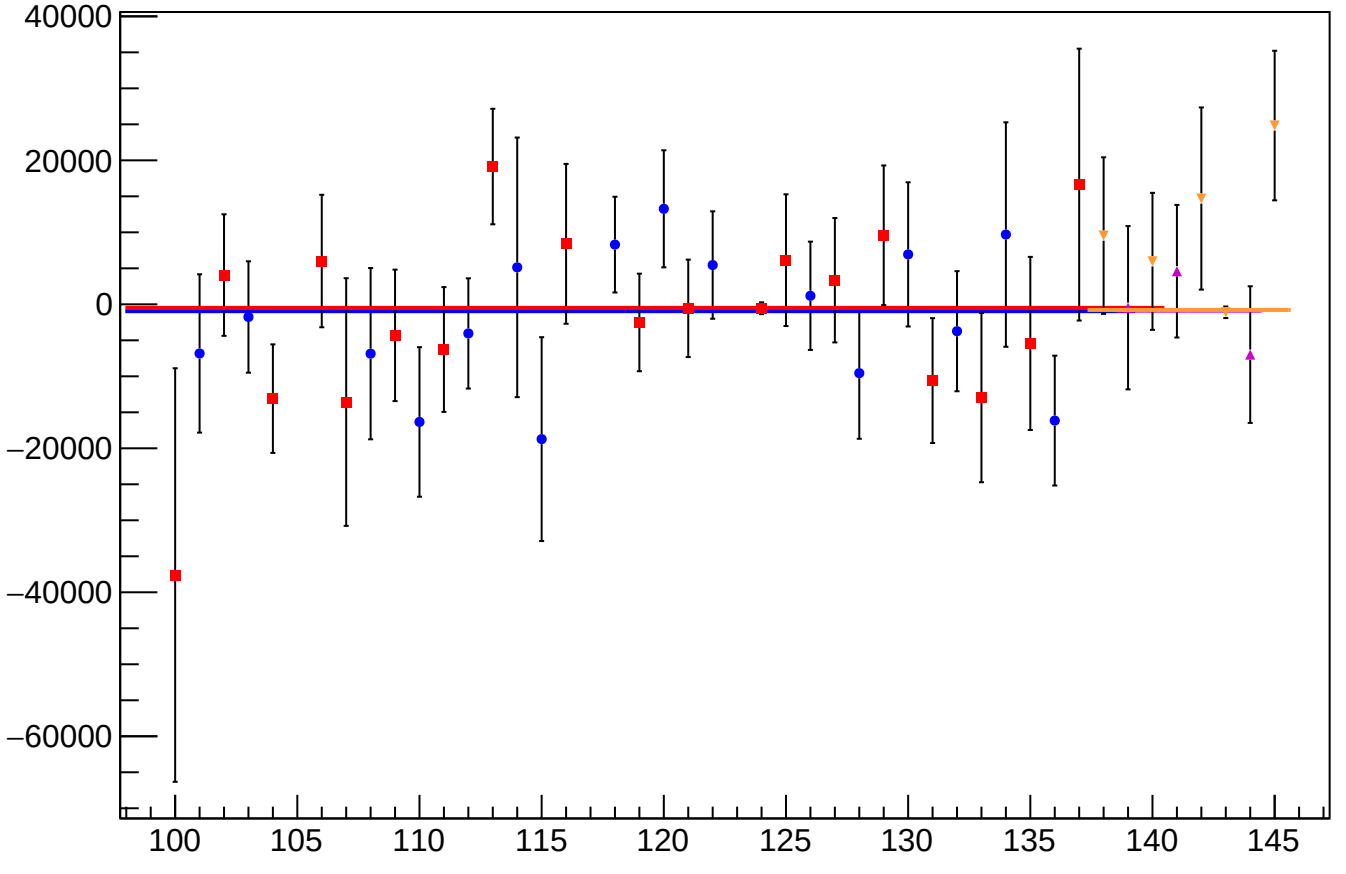
Left In: 2828.056+/-1.234 χ^2/NDF:9759.8/2

+ sign 2215.167+/-0.488 χ^2/NDF: 1227246.3/20

All: 2182.220+/-0.346 χ^2/NDF: 1995922.9/42

- sign 2148.952+/-0.491 χ^2/NDF: 759525.5/21

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

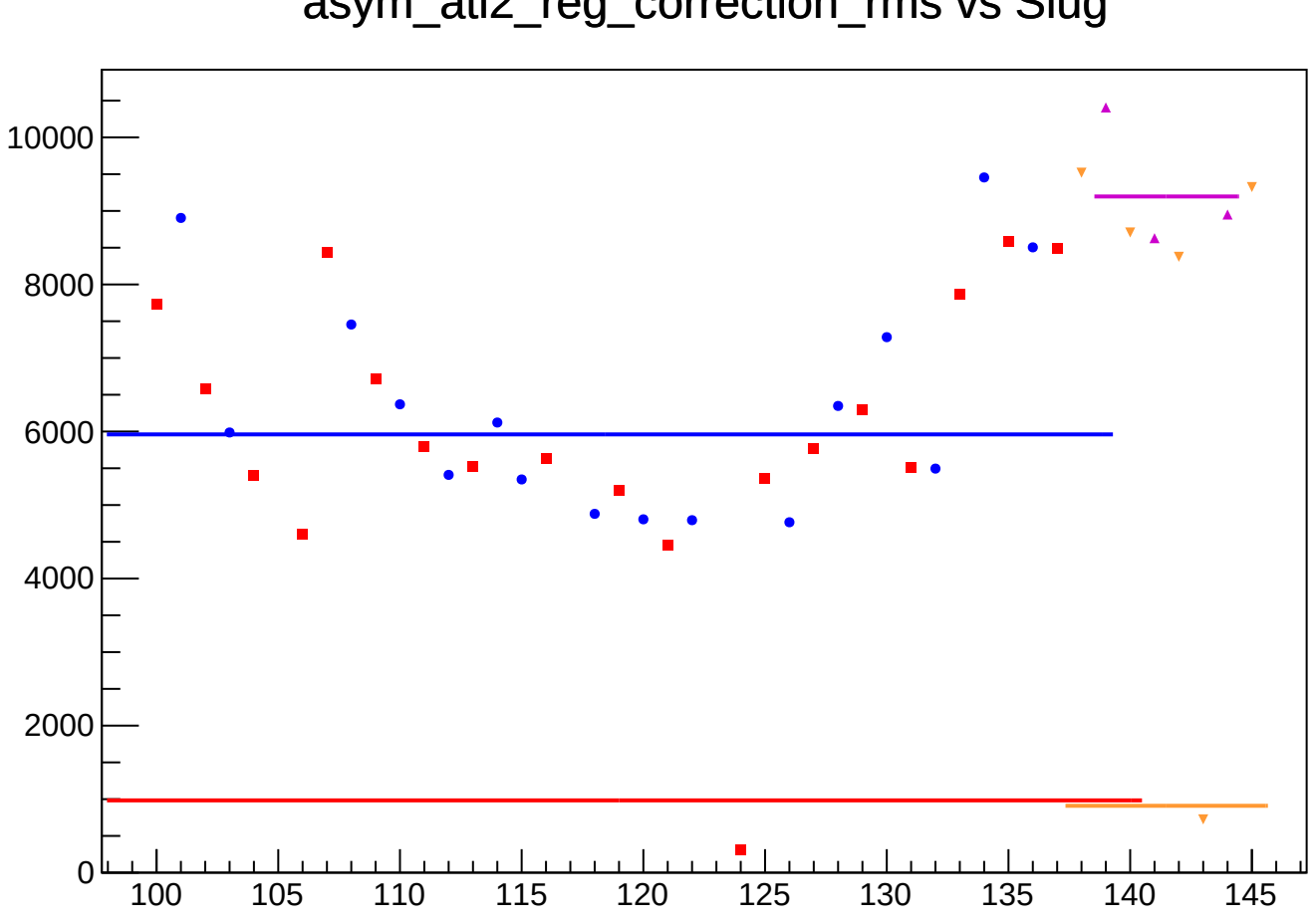
Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: -881.472+/-5709.734 χ^2/NDF:0.8/2

+ sign -798.881+/-753.232 χ^2/NDF: 24.5/20

All: -653.123+/-535.488 χ^2/NDF: 43.8/42

- sign -504.177+/-761.424 χ^2/NDF: 19.2/21



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

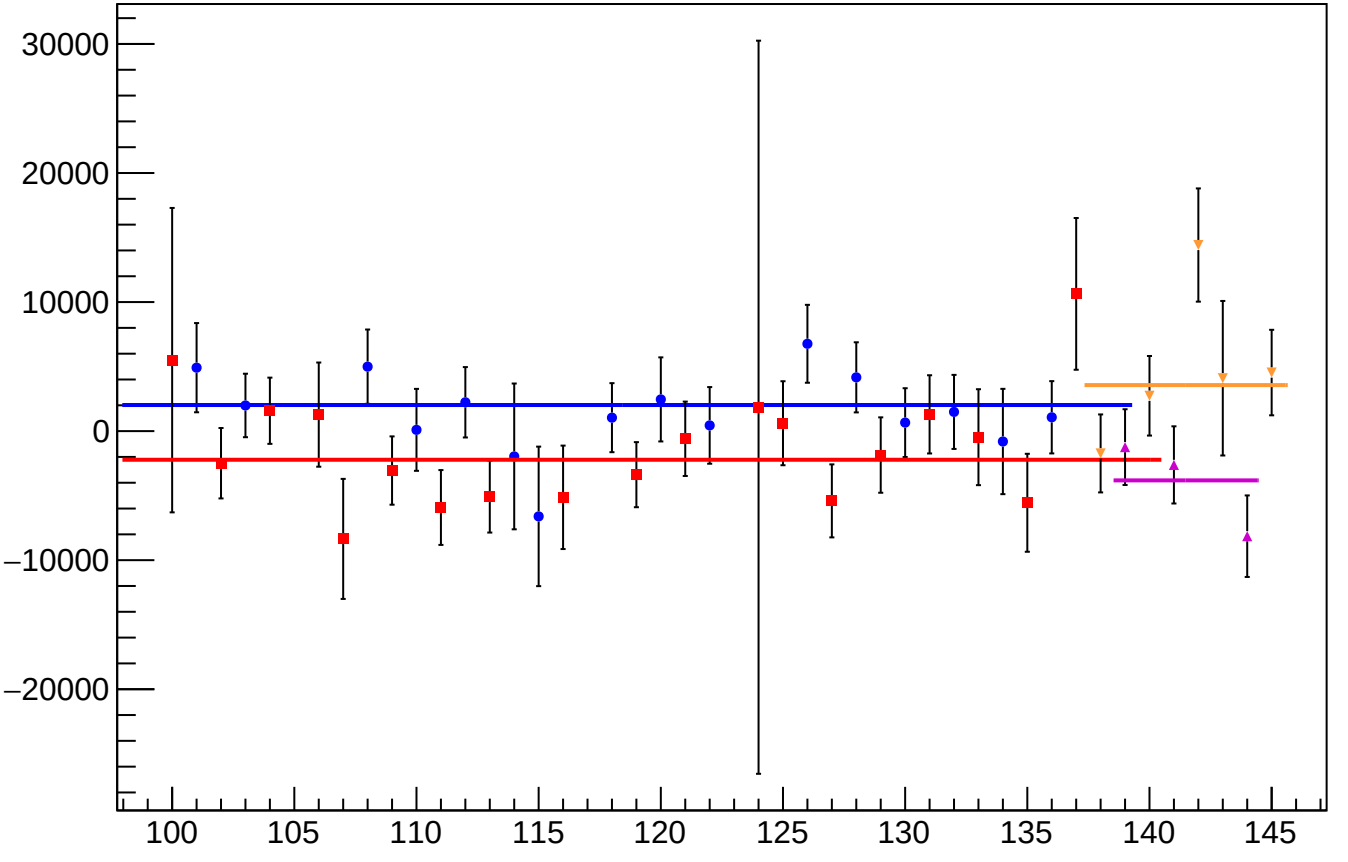
Left In: 9196.592+/-4.037 χ^2/NDF:31722.7/2

+ sign 1461.647+/-0.533 χ^2/NDF: 14153232.8/20

All: 1297.310+/-0.379 χ^2/NDF: 29858921.8/4

- sign 1129.379+/-0.538 χ^2/NDF: 15513203.5/21

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

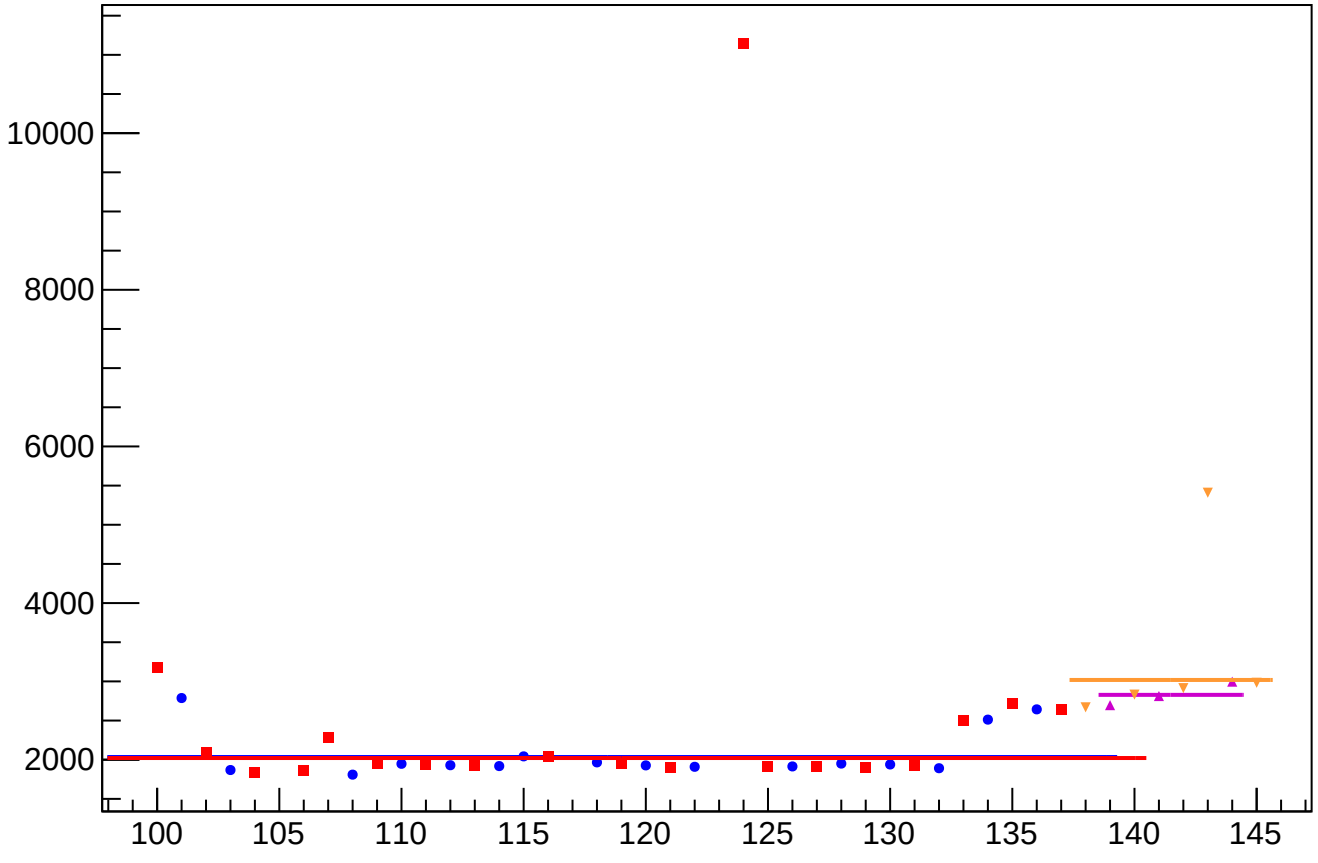
Left In: -3817.608+/-1745.710 χ^2/NDF:2.8/2

+ sign 2306.643+/-690.501 χ^2/NDF: 19.7/20

All: -70.918+/-489.439 χ^2/NDF: 65.2/42

- sign -2471.626+/-693.854 χ^2/NDF: 21.6/21

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

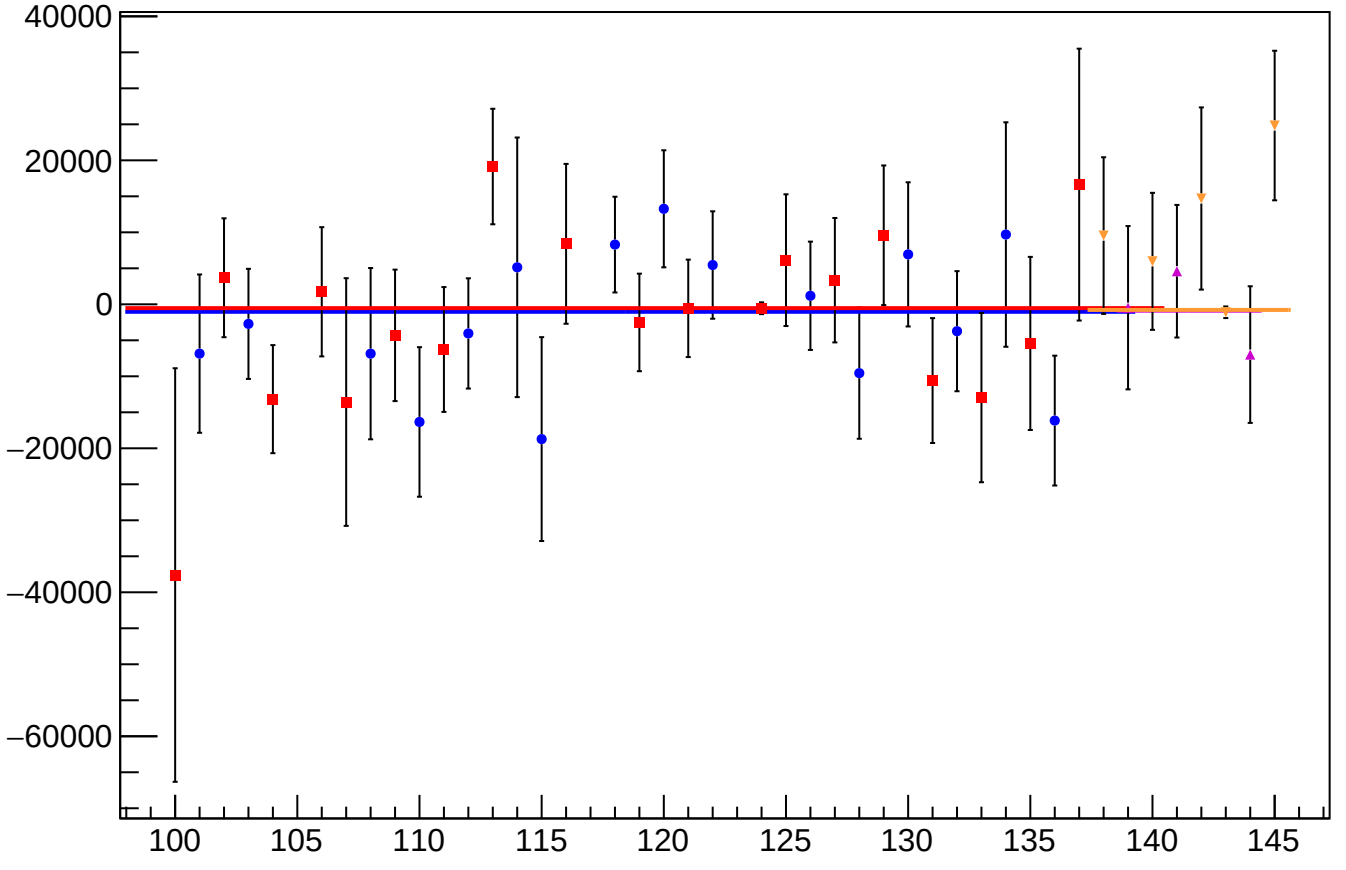
Left In: 2828.056+/-1.234 χ^2/NDF:9759.8/2

+ sign 2215.167+/-0.488 χ^2/NDF: 1227246.3/20

All: 2182.230+/-0.346 χ^2/NDF: 1995908.6/42

- sign 2148.973+/-0.491 χ^2/NDF: 759516.8/21

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

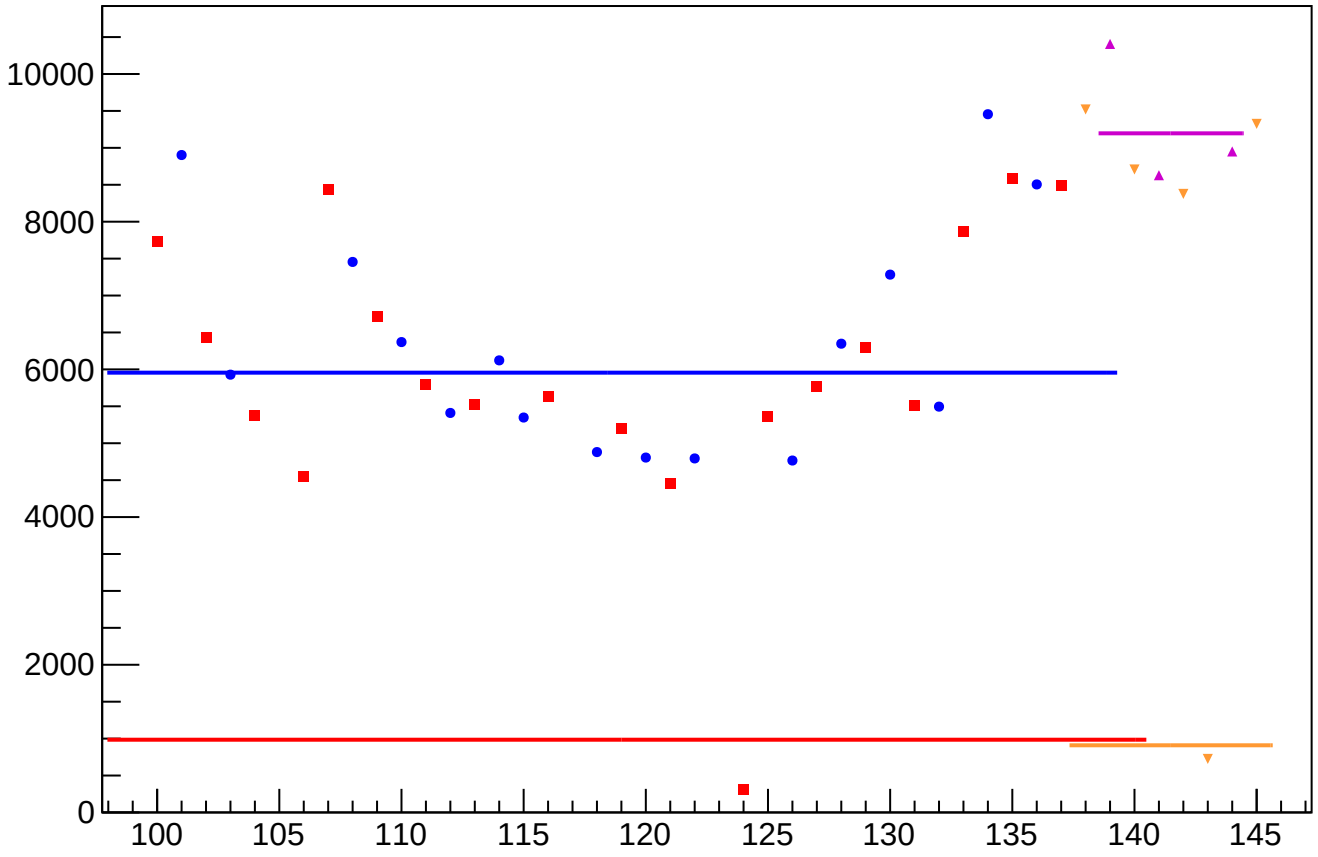
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -881.489+/-5709.730 χ^2/NDF:0.8/2

+ sign -808.302+/-753.083 χ^2/NDF: 24.5/20

All: -674.035+/-535.320 χ^2/NDF: 43.4/42

- sign -536.895+/-761.094 χ^2/NDF: 18.8/21



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

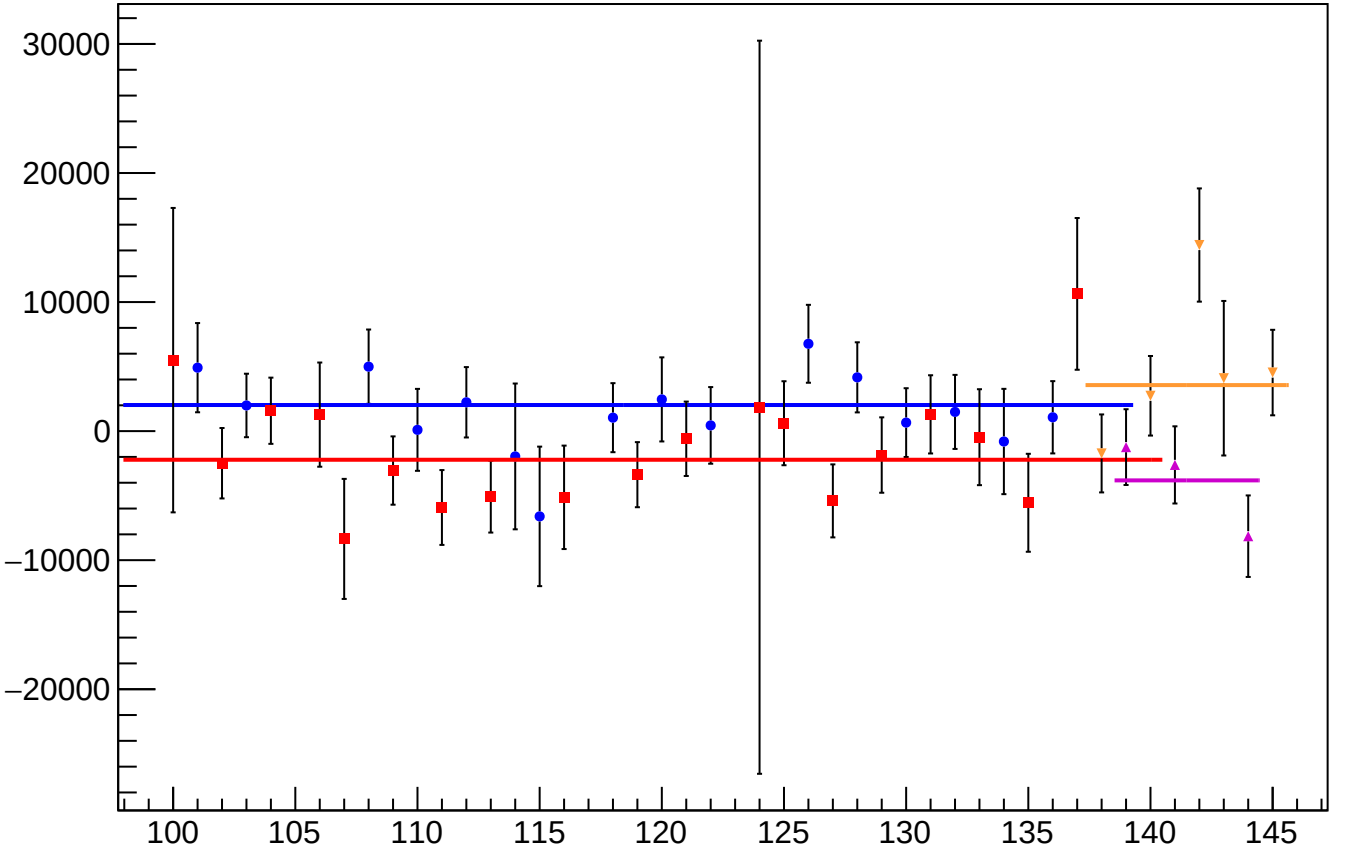
Left In: 9196.585+/-4.037 χ^2/NDF:31722.7/2

+ sign 1461.914+/-0.533 χ^2/NDF: 14151932.9/20

All: 1298.183+/-0.379 χ^2/NDF: 29850740.4/4

- sign 1130.950+/-0.538 χ^2/NDF: 15507708.9/21

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

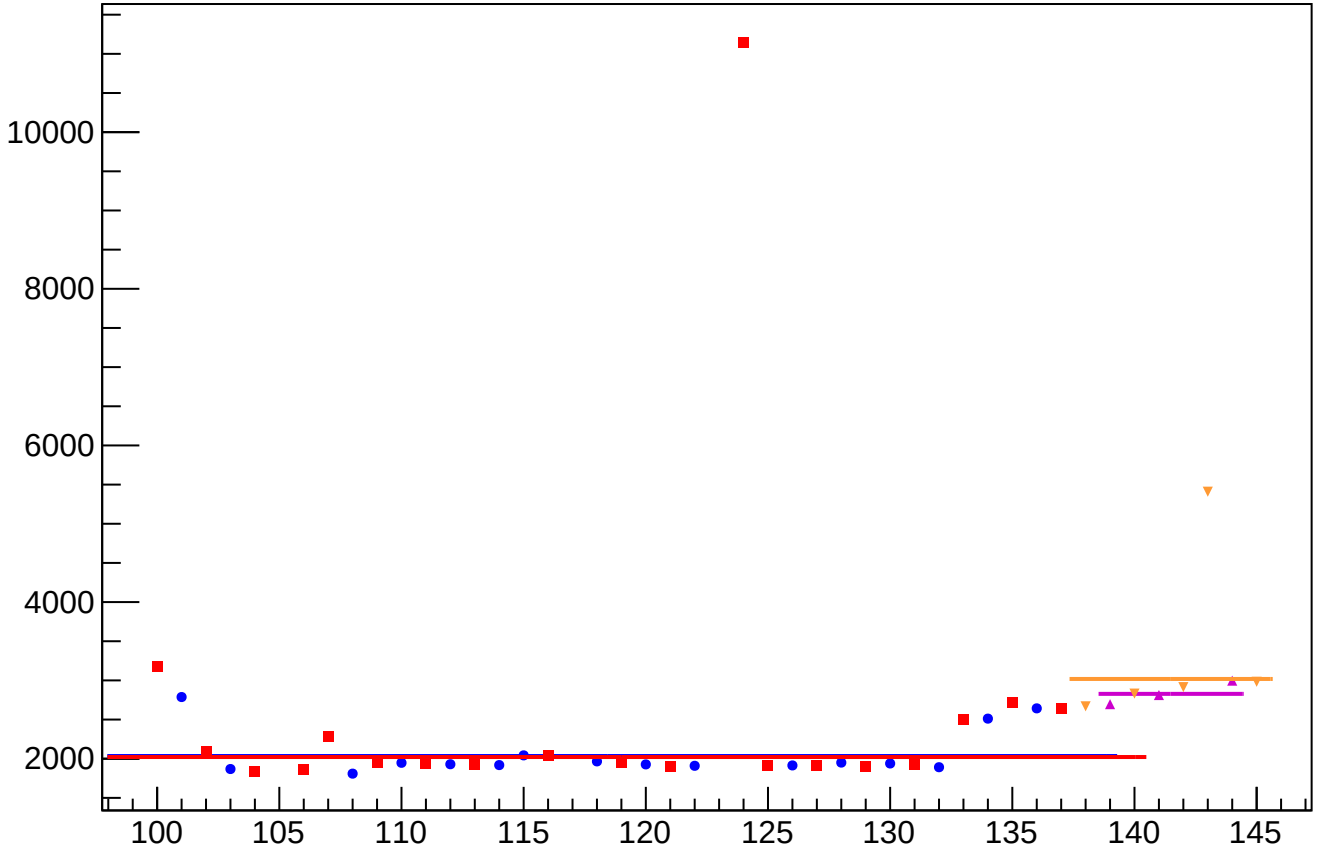
Left In: -3817.608+/-1745.710 χ^2/NDF:2.8/2

+ sign 2306.643+/-690.501 χ^2/NDF: 19.7/20

All: -70.918+/-489.439 χ^2/NDF: 65.2/42

- sign -2471.626+/-693.854 χ^2/NDF: 21.6/21

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

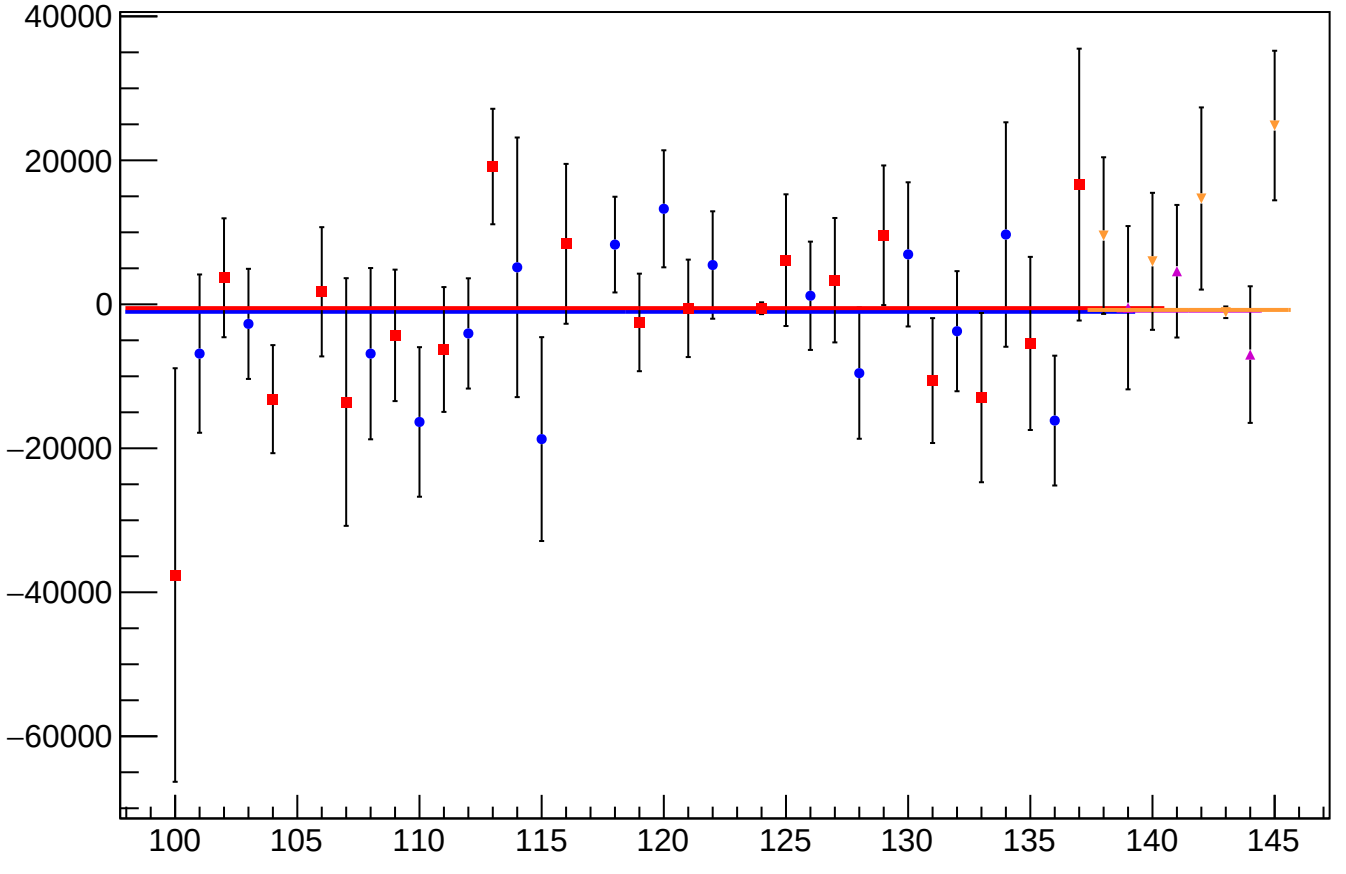
Left In: 2828.056+/-1.234 χ^2/NDF:9759.8/2

+ sign 2215.167+/-0.488 χ^2/NDF: 1227246.3/20

All: 2182.230+/-0.346 χ^2/NDF: 1995908.6/42

- sign 2148.973+/-0.491 χ^2/NDF: 759516.8/21

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

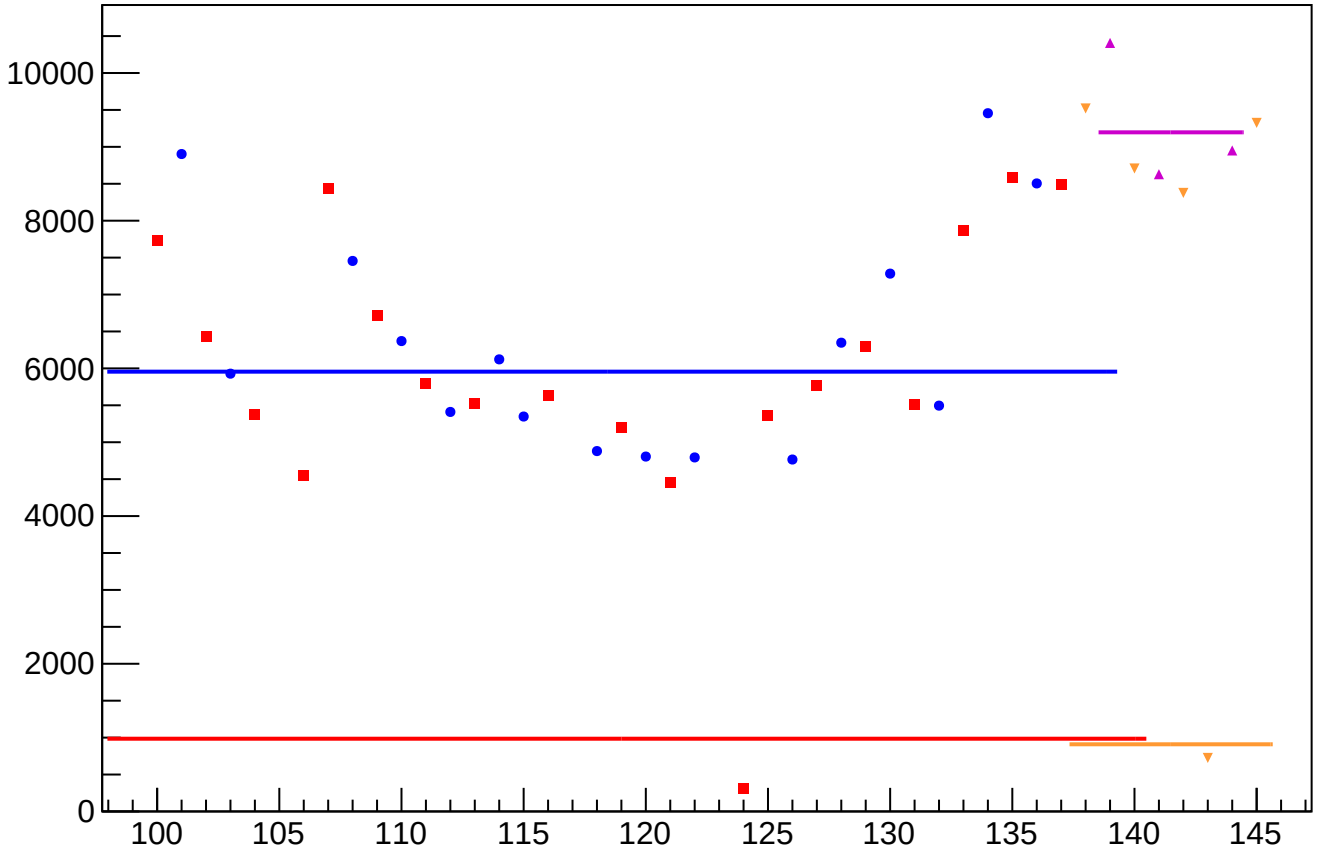
Left In: -881.489+/-5709.730 χ^2/NDF:0.8/2

+ sign -808.302+/-753.083 χ^2/NDF: 24.5/20

All: -674.035+/-535.320 χ^2/NDF: 43.4/42

- sign -536.895+/-761.094 χ^2/NDF: 18.8/21

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

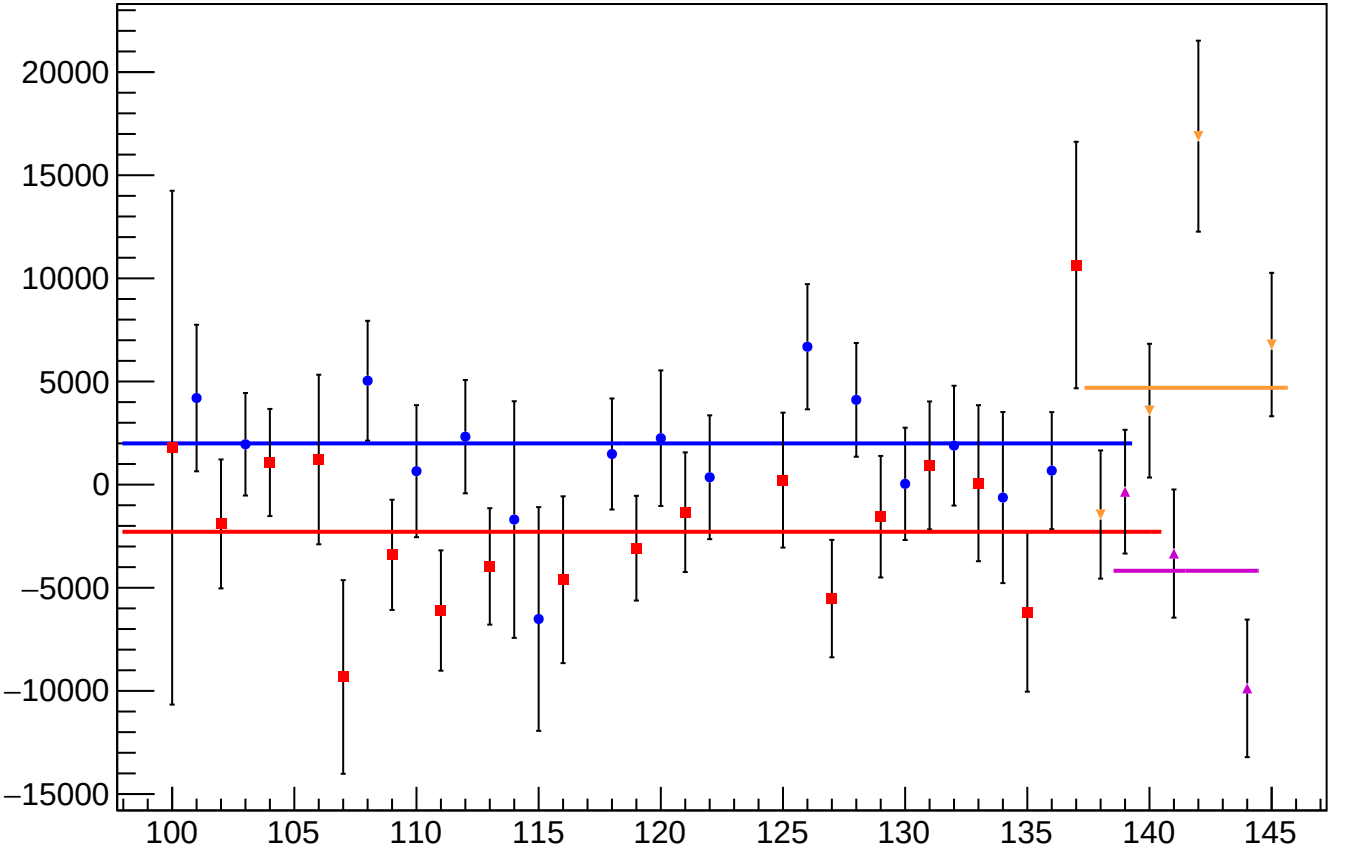
Left In: 9196.585+/-4.037 χ^2/NDF:31722.7/2

+ sign 1461.914+/-0.533 χ^2/NDF: 14151932.9/20

All: 1298.183+/-0.379 χ^2/NDF: 29850740.4/4

- sign 1130.950+/-0.538 χ^2/NDF: 15507708.9/21

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

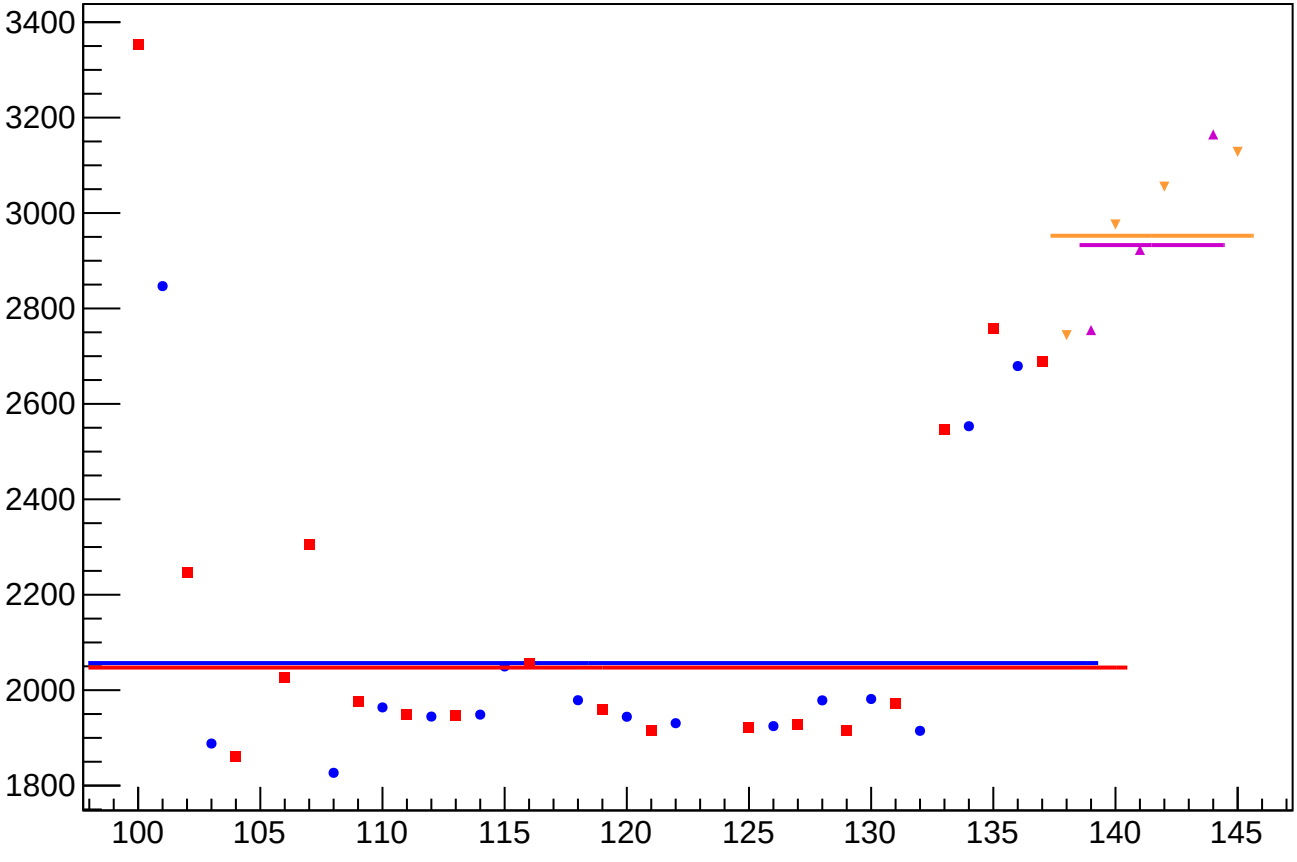
Left In: -4175.900+/-1811.905 χ^2/NDF:4.6/2

+ sign 2441.890+/-707.216 χ^2/NDF: 22.3/19

All: -58.267+/-500.944 χ^2/NDF: 69.6/40

- sign -2575.841+/-709.675 χ^2/NDF: 22.2/20

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

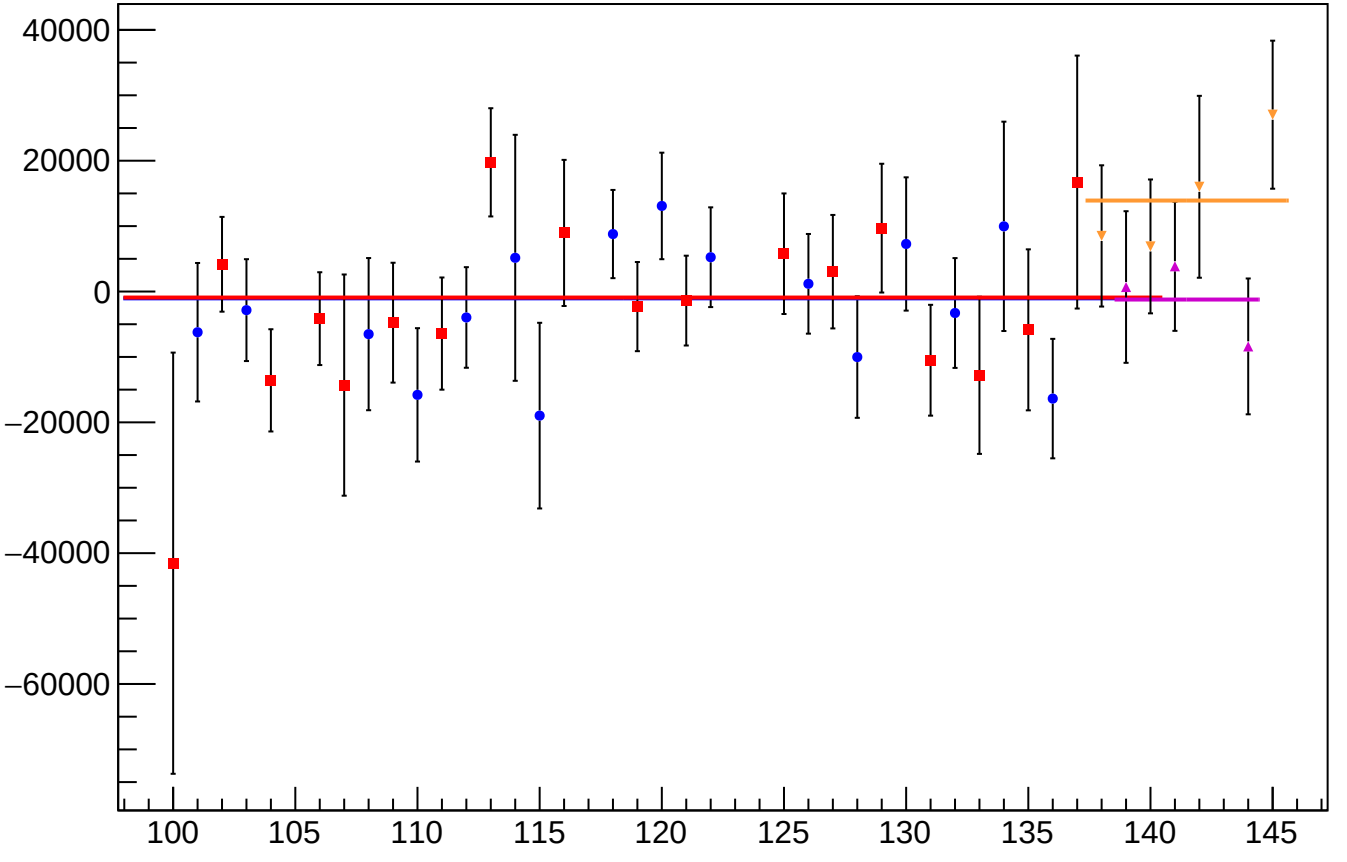
Left In: 2932.831+/-1.281 χ^2/NDF:16735.0/2

+ sign 2203.788+/-0.500 χ^2/NDF: 725691.9/19

All: 2193.360+/-0.354 χ^2/NDF: 1344345.1/40

- sign 2182.886+/-0.501 χ^2/NDF: 617781.5/20

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

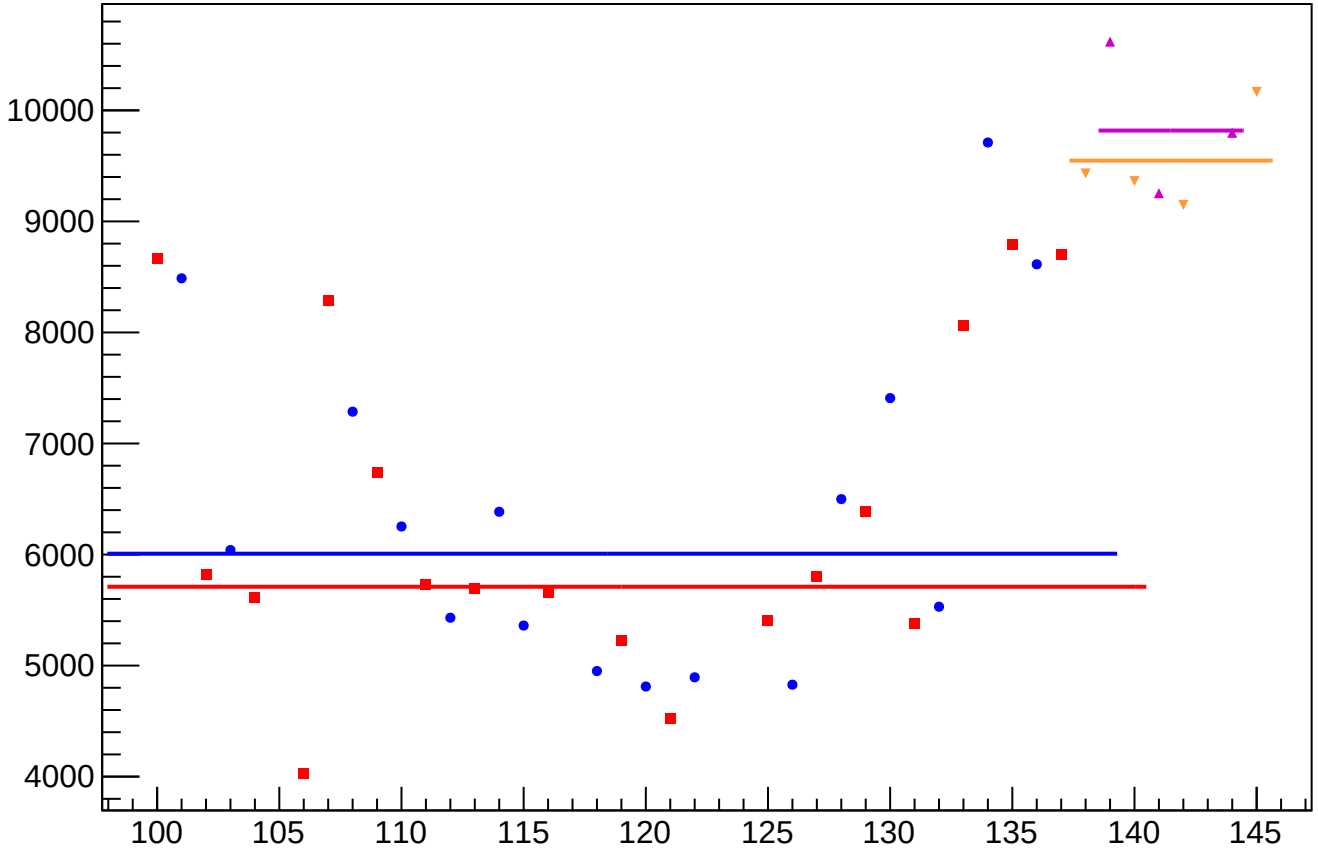
Left In: -1225.038+/-6088.566 χ^2/NDF:0.8/2

+ sign 1061.671+/-2127.037 χ^2/NDF: 23.4/19

All: 6.090+/-1467.800 χ^2/NDF: 43.0/40

- sign -953.544+/-2028.065 χ^2/NDF: 19.1/20

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

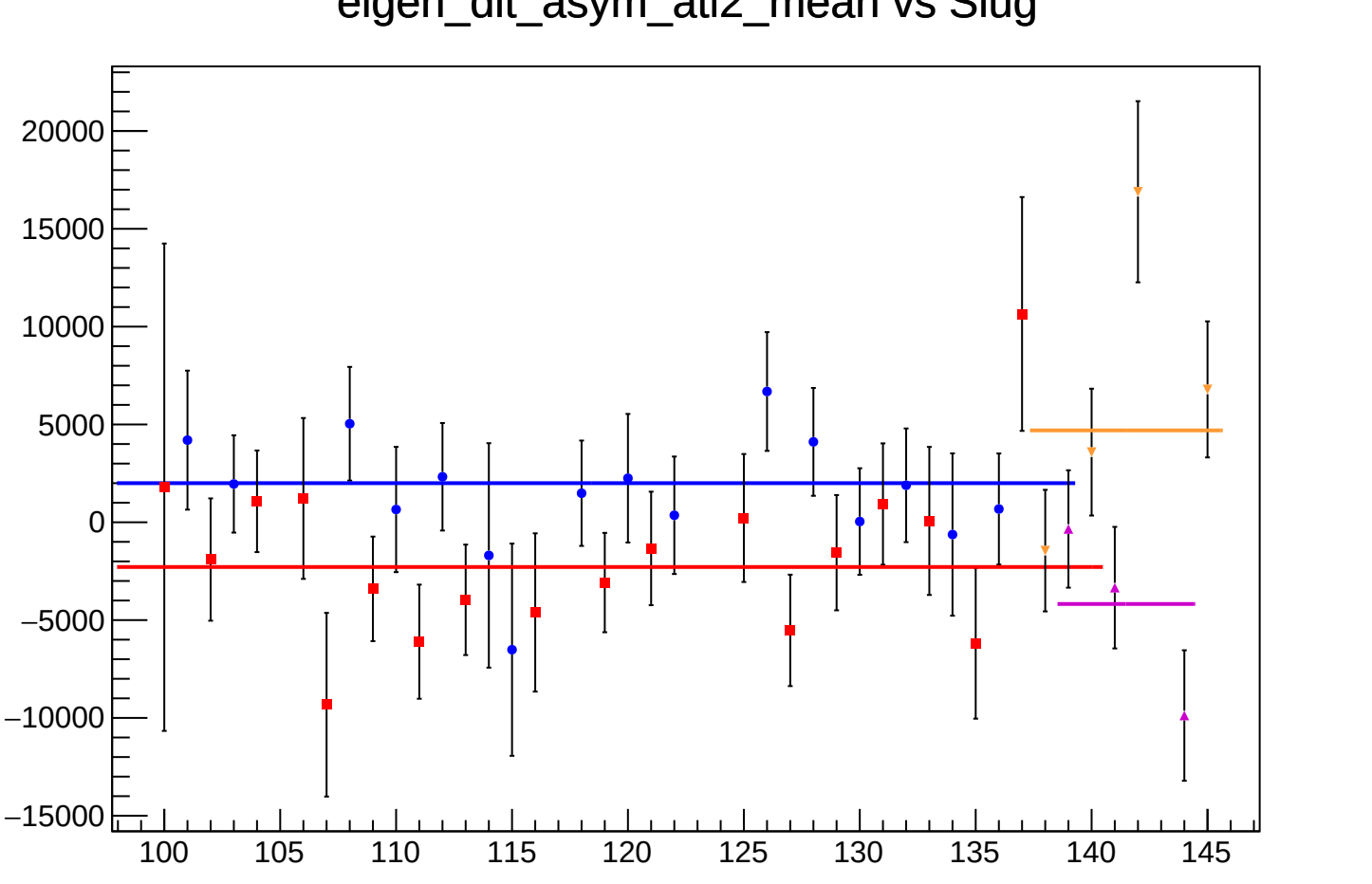
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9818.149+/-4.305 χ^2/NDF:16084.6/2

+ sign 6505.619+/-1.504 χ^2/NDF: 1332452.0/19

All: 6327.577+/-1.038 χ^2/NDF: 2720754.6/40

- sign 6165.719+/-1.434 χ^2/NDF: 1361550.9/20



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

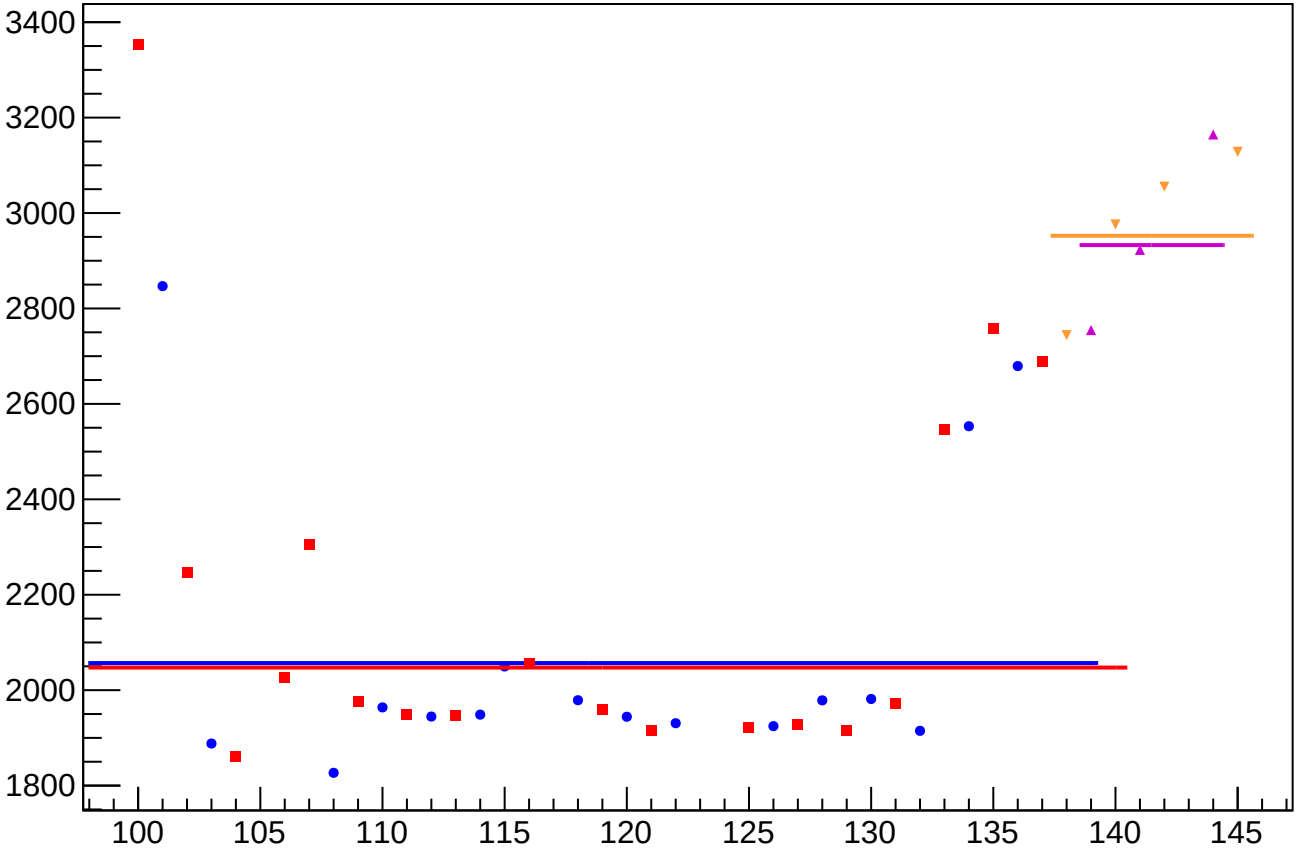
Left In: -4175.905+/-1811.907 χ^2/NDF:4.6/2

+ sign 2441.898+/-707.216 χ^2/NDF: 22.3/19

All: -58.264+/-500.944 χ^2/NDF: 69.6/40

- sign -2575.844+/-709.675 χ^2/NDF: 22.2/20

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

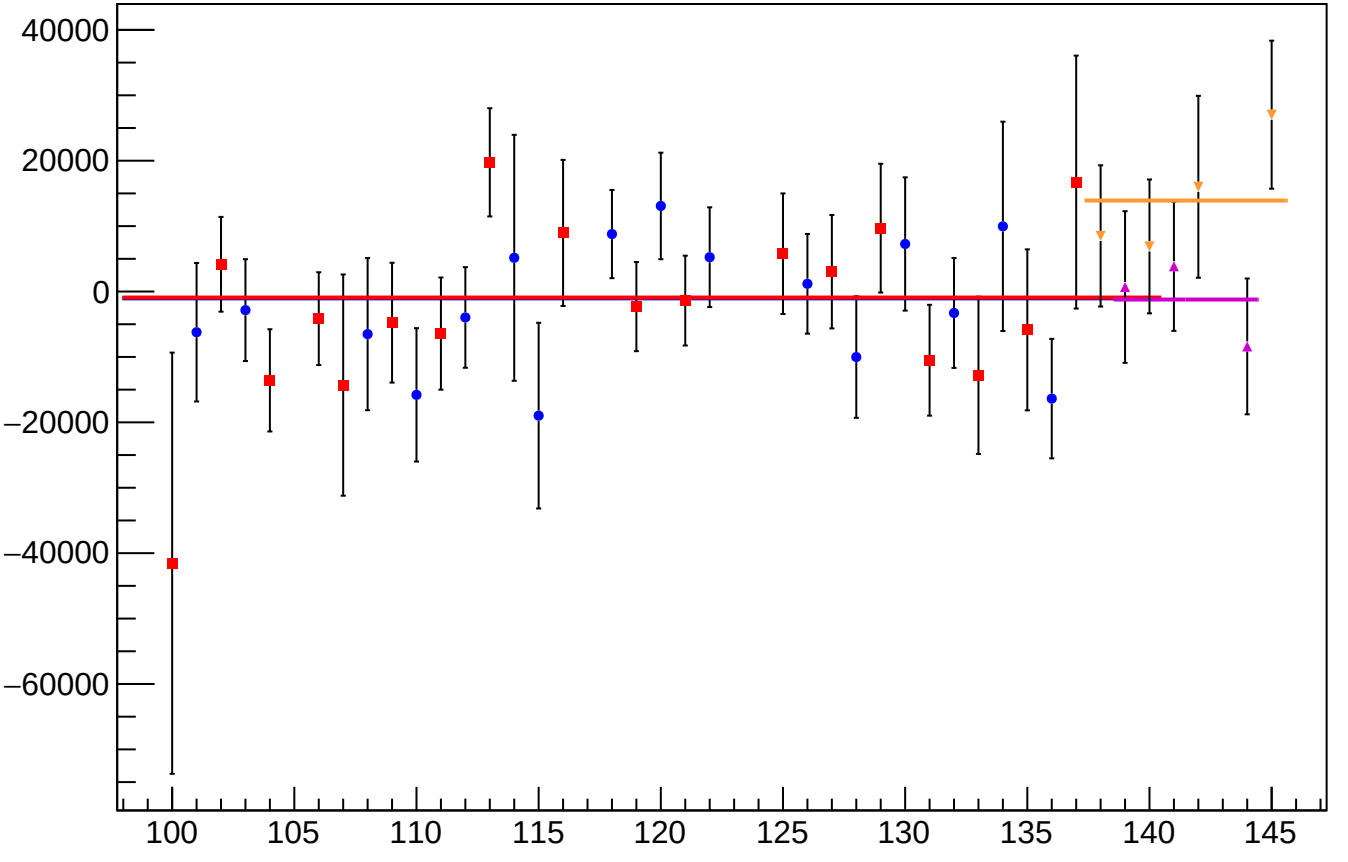
Left In: 2932.835+/-1.281 χ^2/NDF:16735.1/2

+ sign 2203.788+/-0.500 χ^2/NDF: 725694.7/19

All: 2193.360+/-0.354 χ^2/NDF: 1344350.9/40

- sign 2182.886+/-0.501 χ^2/NDF: 617784.5/20

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

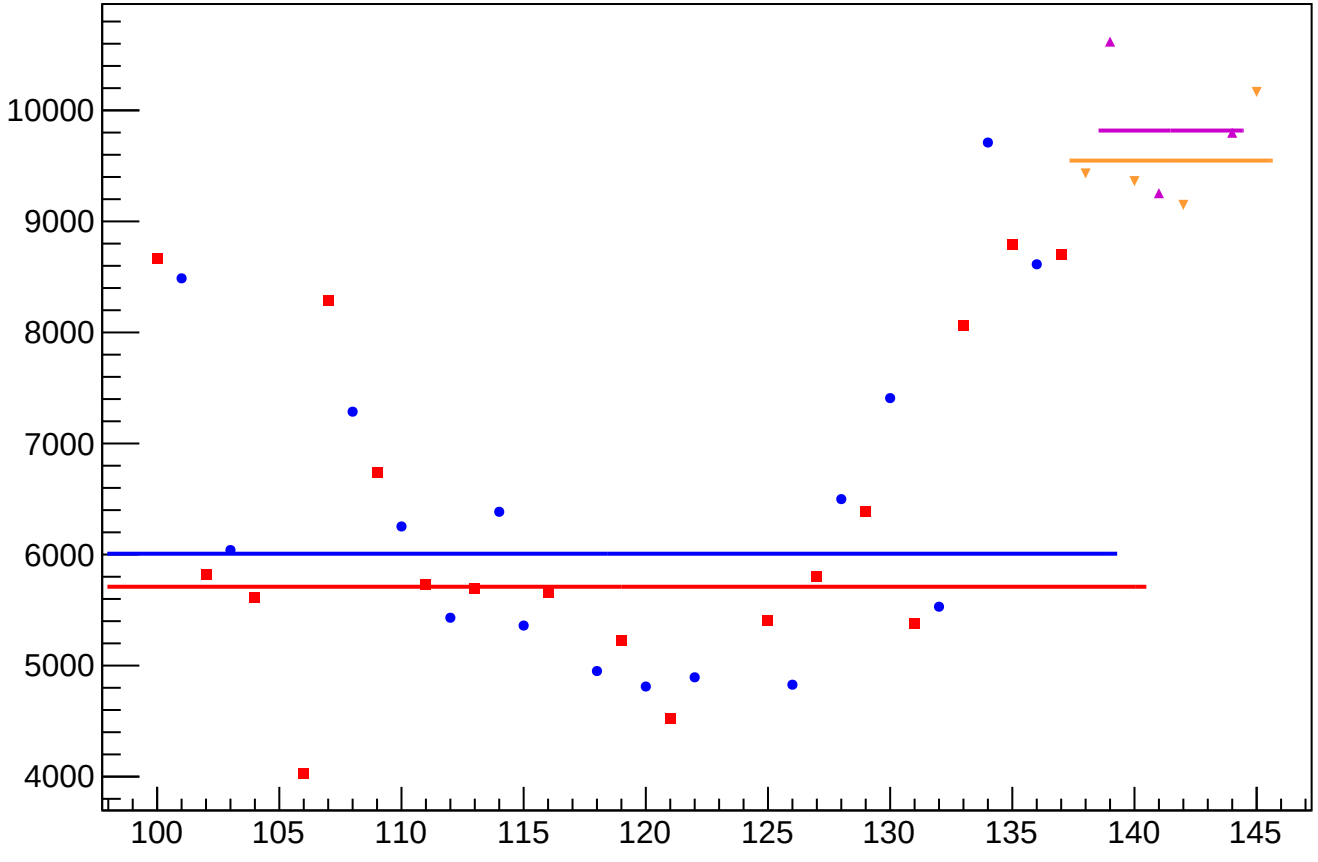
Left In: -1225.043+/-6088.580 χ^2/NDF:0.8/2

+ sign 1061.668+/-2127.032 χ^2/NDF: 23.4/19

All: 6.086+/-1467.797 χ^2/NDF: 43.0/40

- sign -953.549+/-2028.060 χ^2/NDF: 19.1/20

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

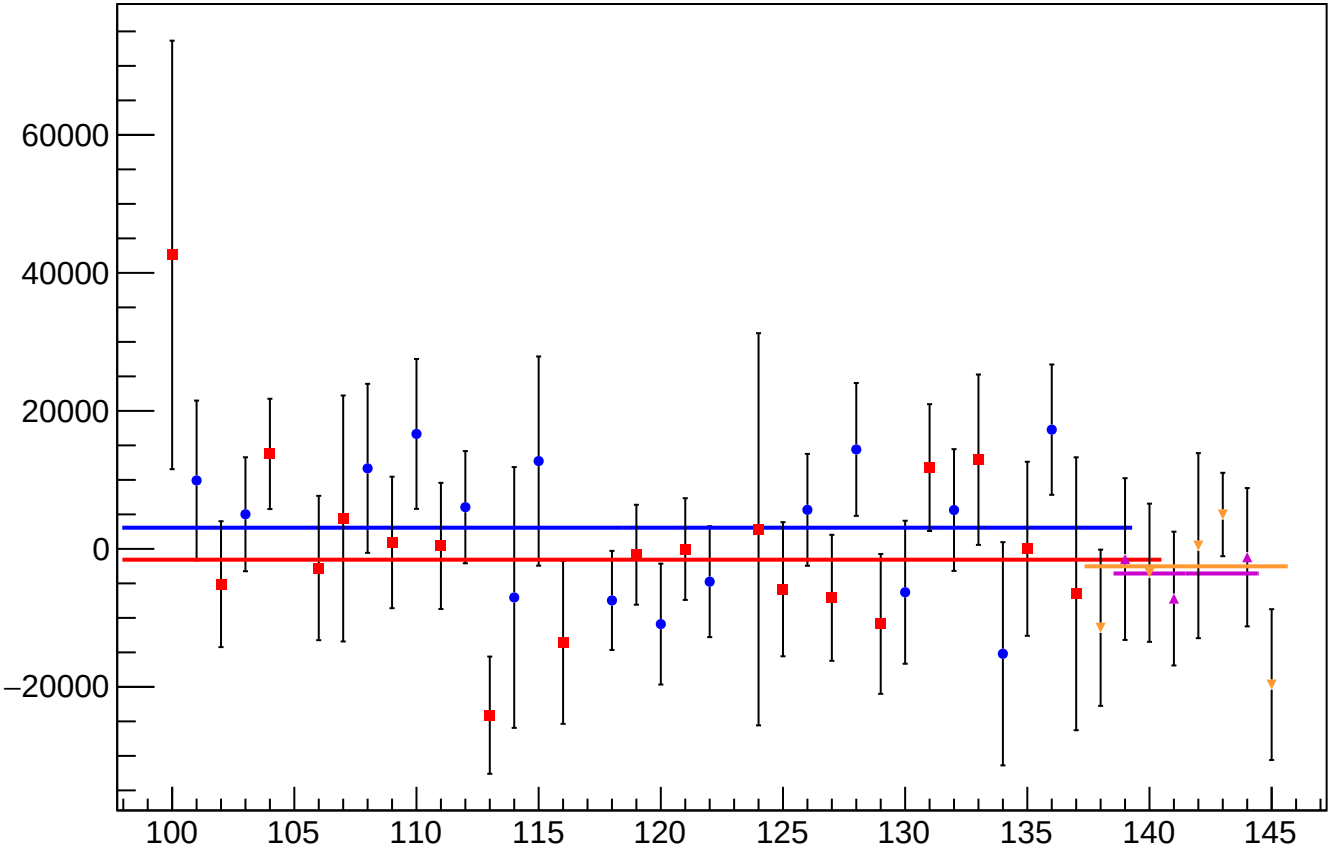
Left In: 9818.172+/-4.305 χ^2/NDF:16085.1/2

+ sign 6505.600+/-1.504 χ^2/NDF: 1332475.1/19

All: 6327.560+/-1.038 χ^2/NDF: 2720794.7/40

- sign 6165.702+/-1.434 χ^2/NDF: 1361568.0/20

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

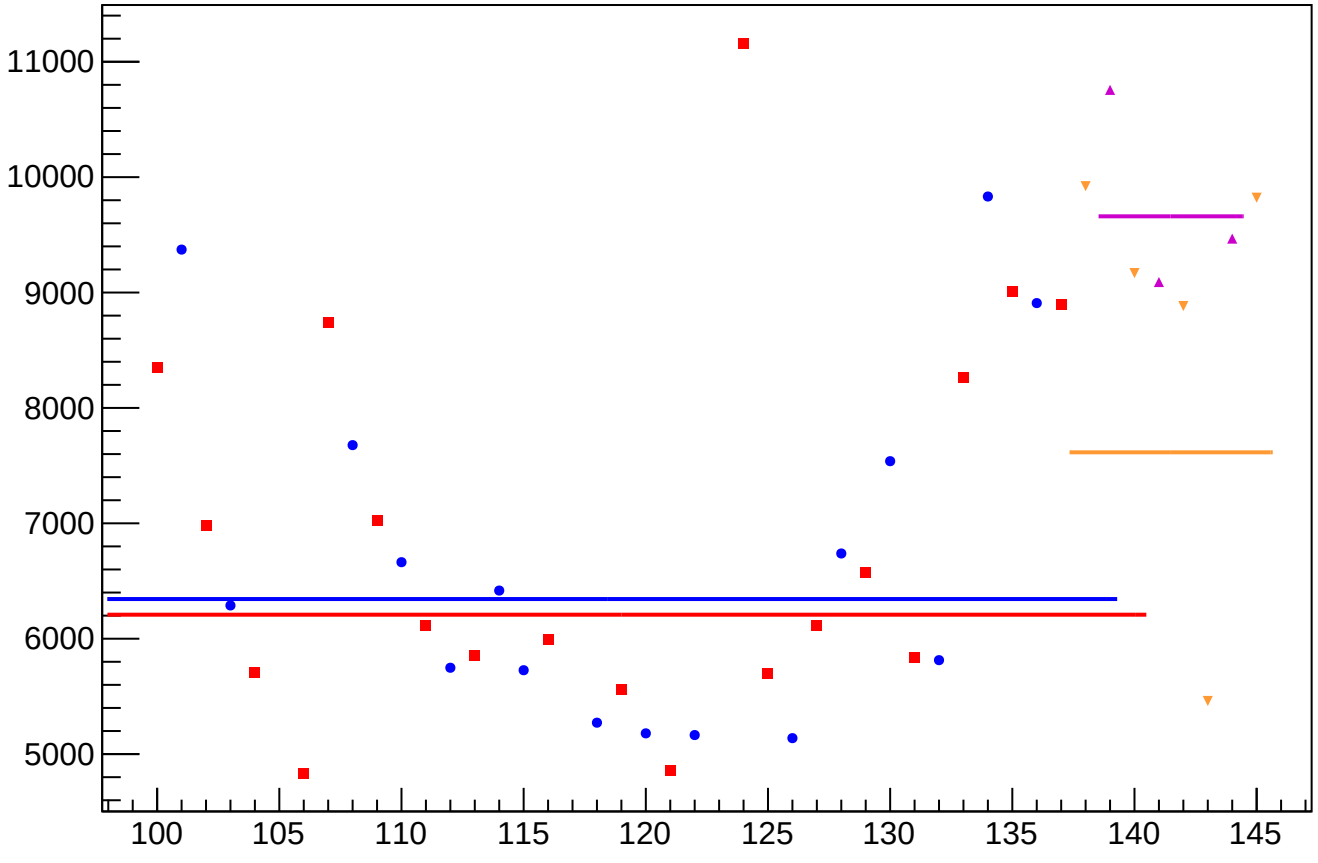
Left In: -3565.826+/-5989.838 χ^2/NDF:0.2/2

+ sign 1630.865+/-2086.368 χ^2/NDF: 20.9/20

All: -27.065+/-1506.060 χ^2/NDF: 41.8/42

- sign -1830.931+/-2176.255 χ^2/NDF: 19.5/21

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

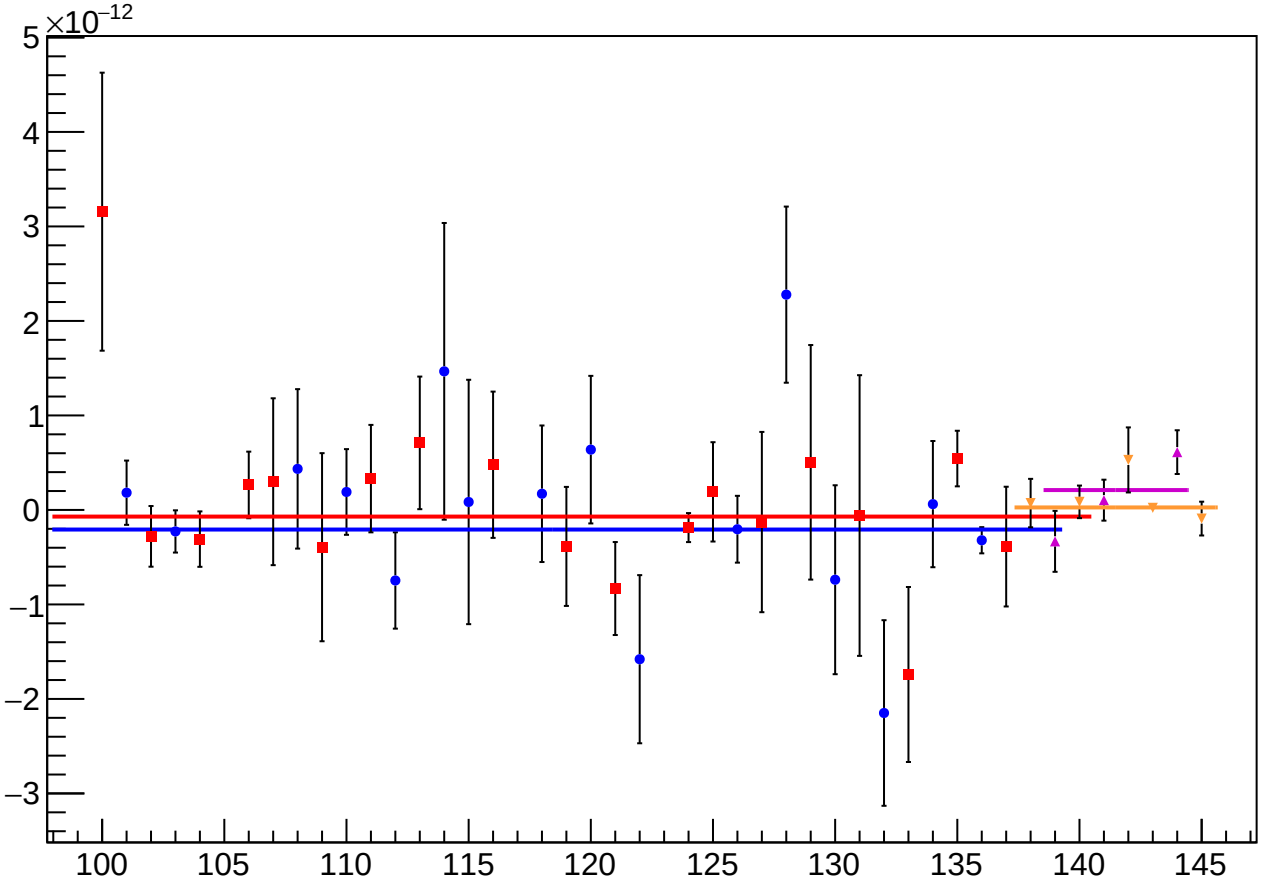
Left In: 9660.557+/-4.235 χ^2/NDF:25128.0/2

+ sign 6670.801+/-1.475 χ^2/NDF: 1247906.6/20

All: 6667.466+/-1.065 χ^2/NDF: 2321618.4/42

- sign 6663.838+/-1.539 χ^2/NDF: 1073701.2/21

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

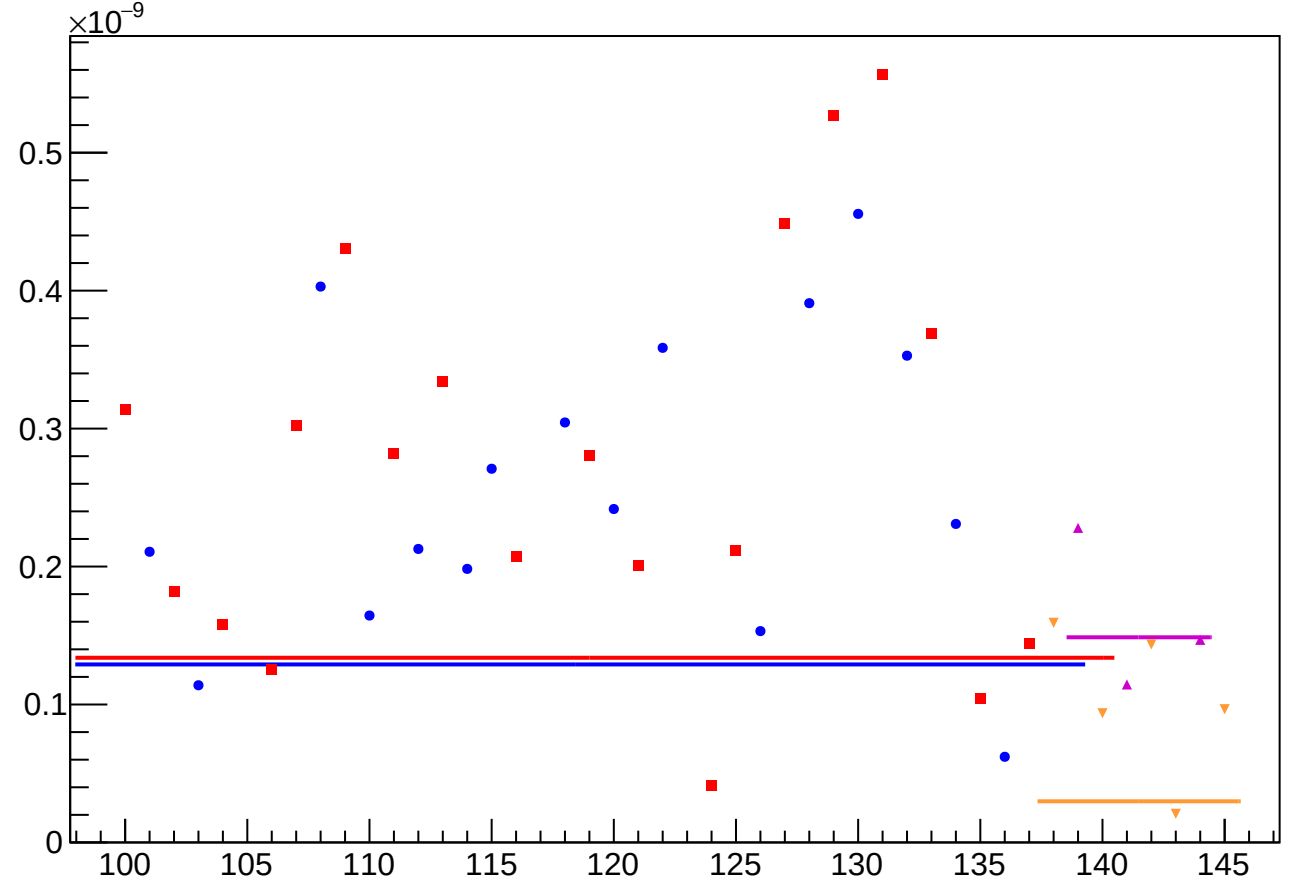
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/20

All: 0.000+/-0.000 χ^2/NDF: 58.7/42

- sign 0.000+/-0.000 χ^2/NDF: 29.6/21



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

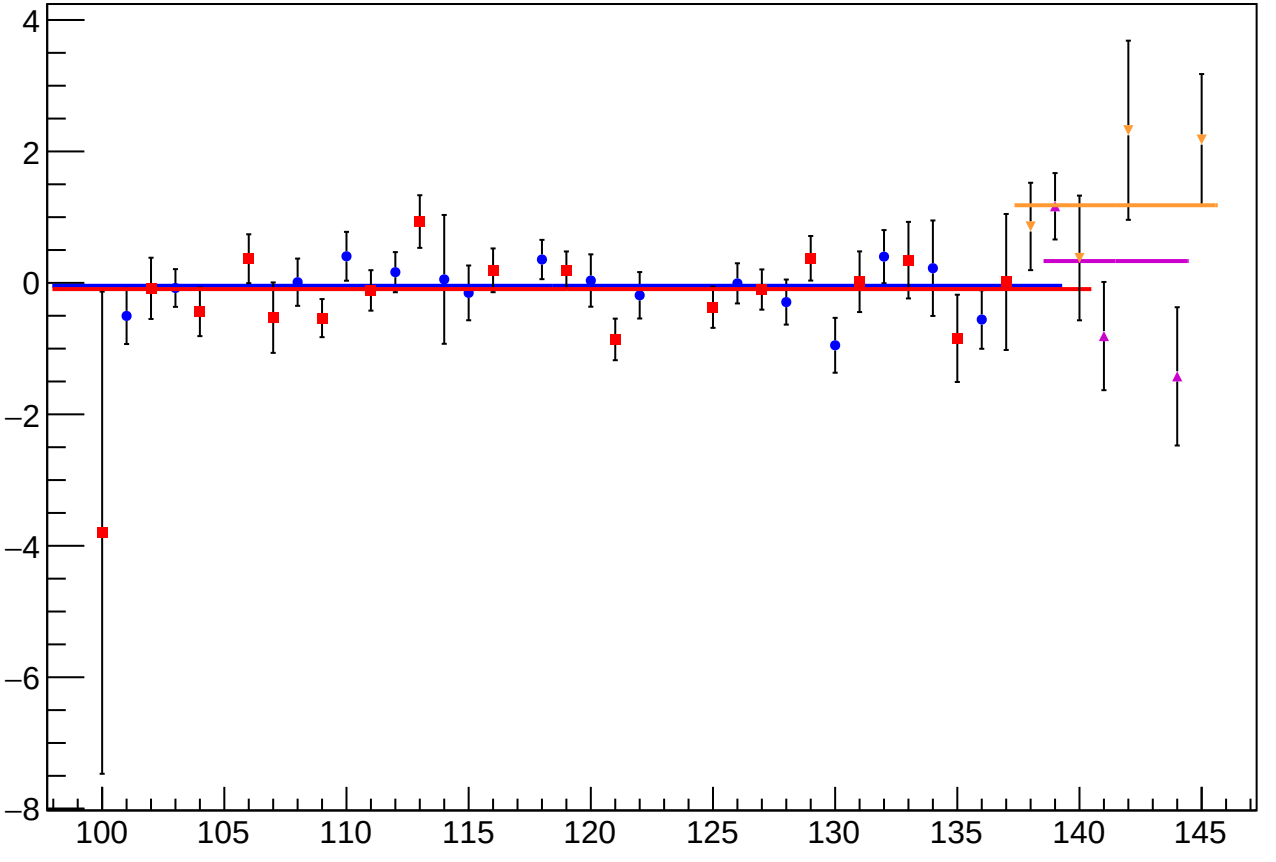
Left In: 0.000+/-0.000 χ^2/NDF:170955.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 5059107.4/20

All: 0.000+/-0.000 χ^2/NDF: 10157653.8/42

- sign 0.000+/-0.000 χ^2/NDF: 2490441.5/21

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

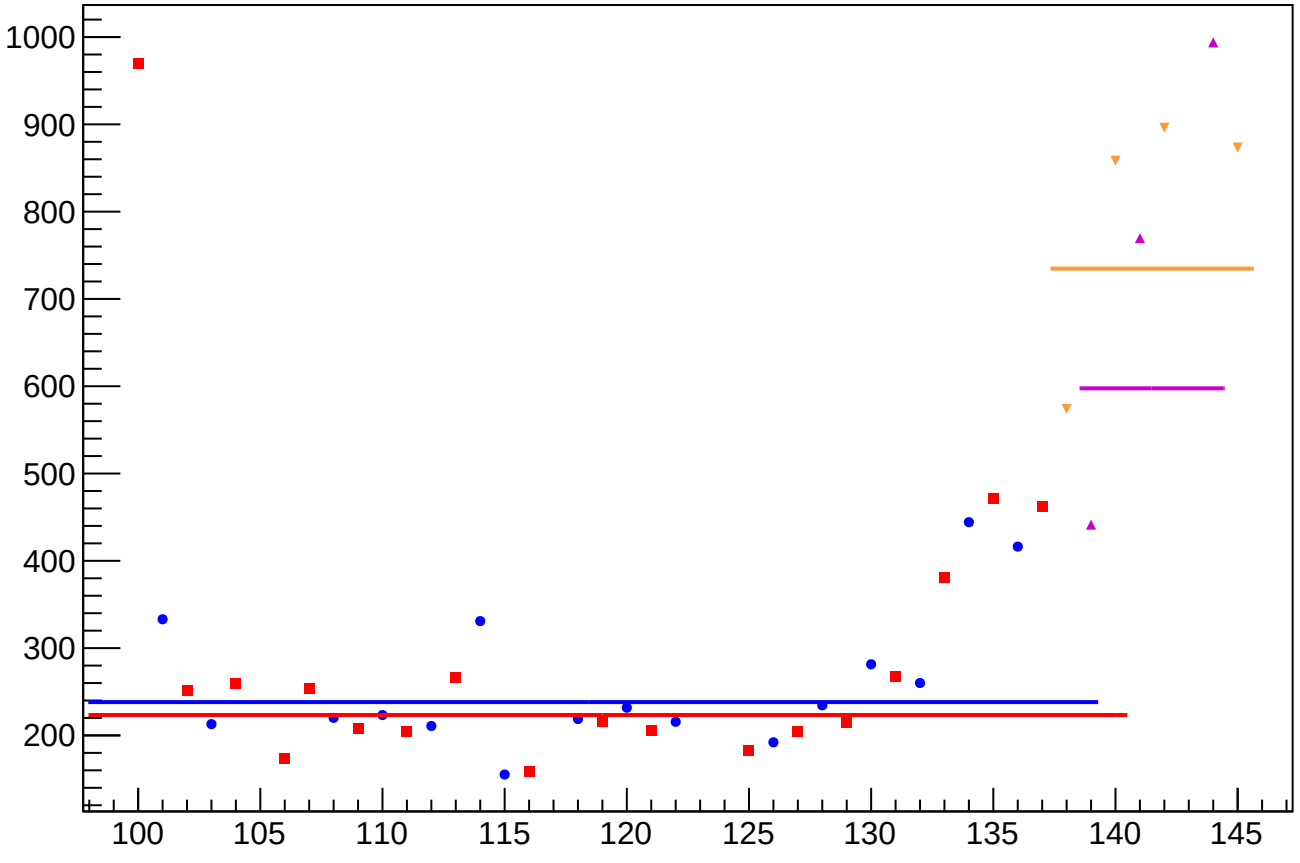
Left In: 0.332+/-0.398 χ^2/NDF:7.4/2

+ sign 0.007+/-0.092 χ^2/NDF: 22.8/19

All: -0.035+/-0.063 χ^2/NDF: 57.0/40

- sign -0.074+/-0.088 χ^2/NDF: 33.8/20

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

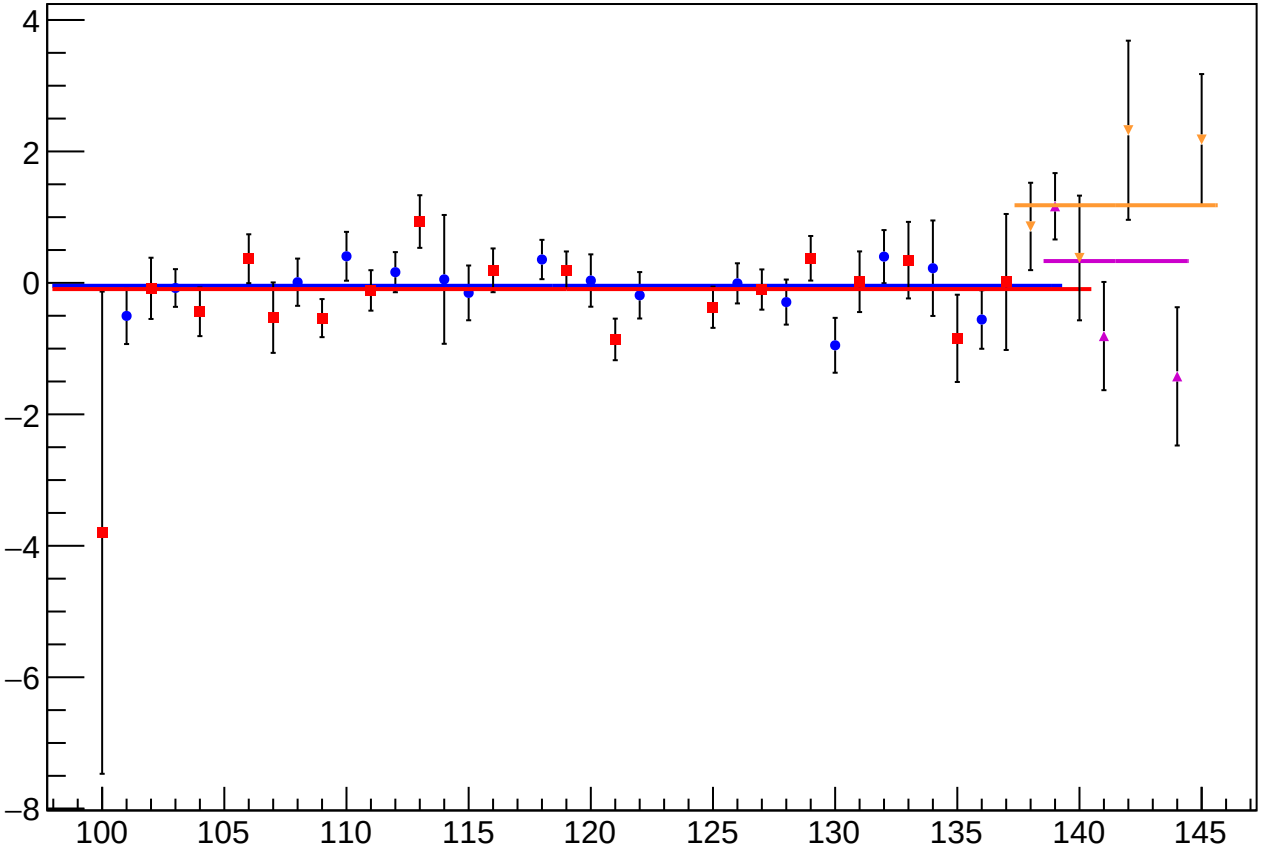
Left In: 597.590+/-0.282 χ^2/NDF:562533.8/2

+ sign 258.769+/-0.065 χ^2/NDF: 3350800.6/19

All: 249.787+/-0.045 χ^2/NDF: 6491280.6/40

- sign 241.573+/-0.062 χ^2/NDF: 3103850.2/20

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

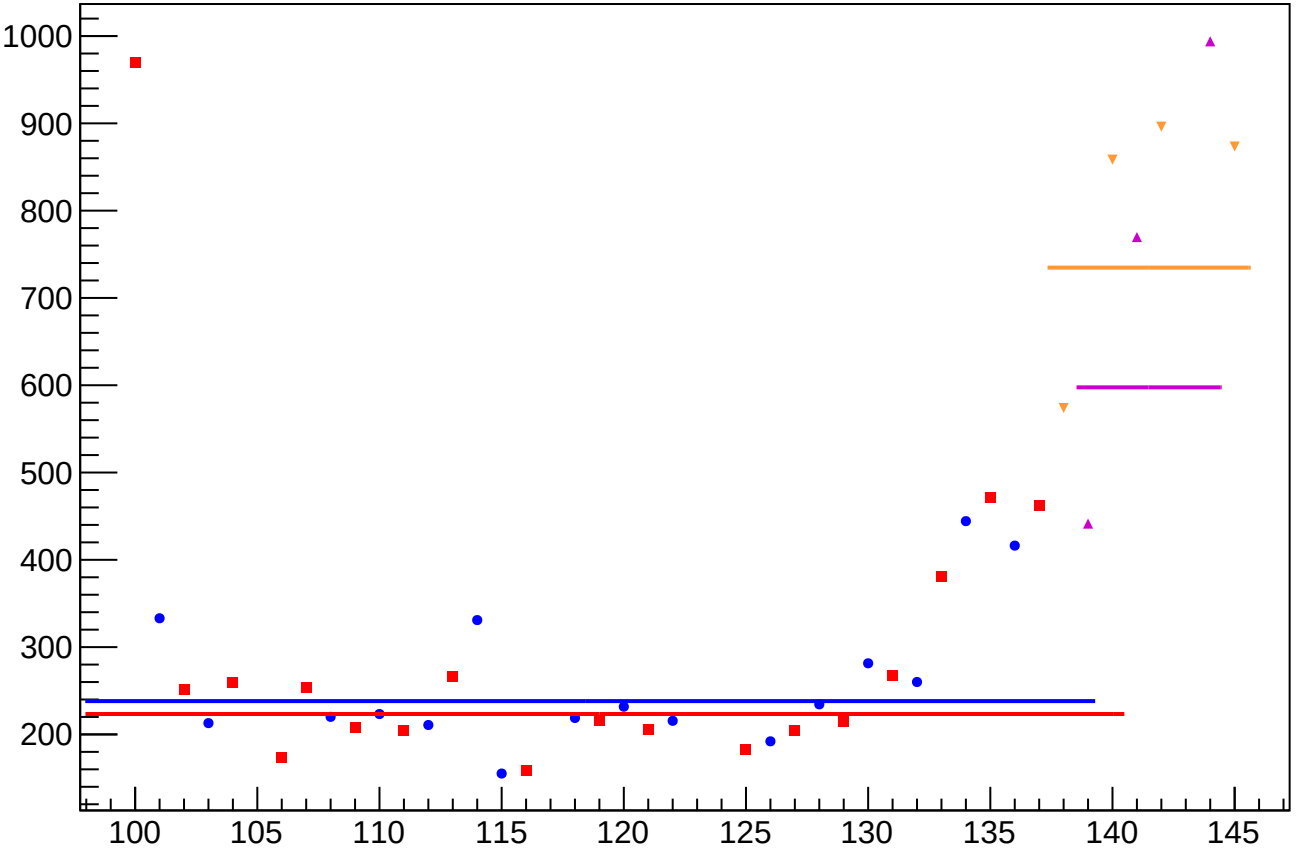
Left In: 0.332+/-0.398 χ^2/NDF:7.4/2

+ sign 0.007+/-0.092 χ^2/NDF: 22.8/19

All: -0.035+/-0.063 χ^2/NDF: 57.0/40

- sign -0.074+/-0.088 χ^2/NDF: 33.8/20

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

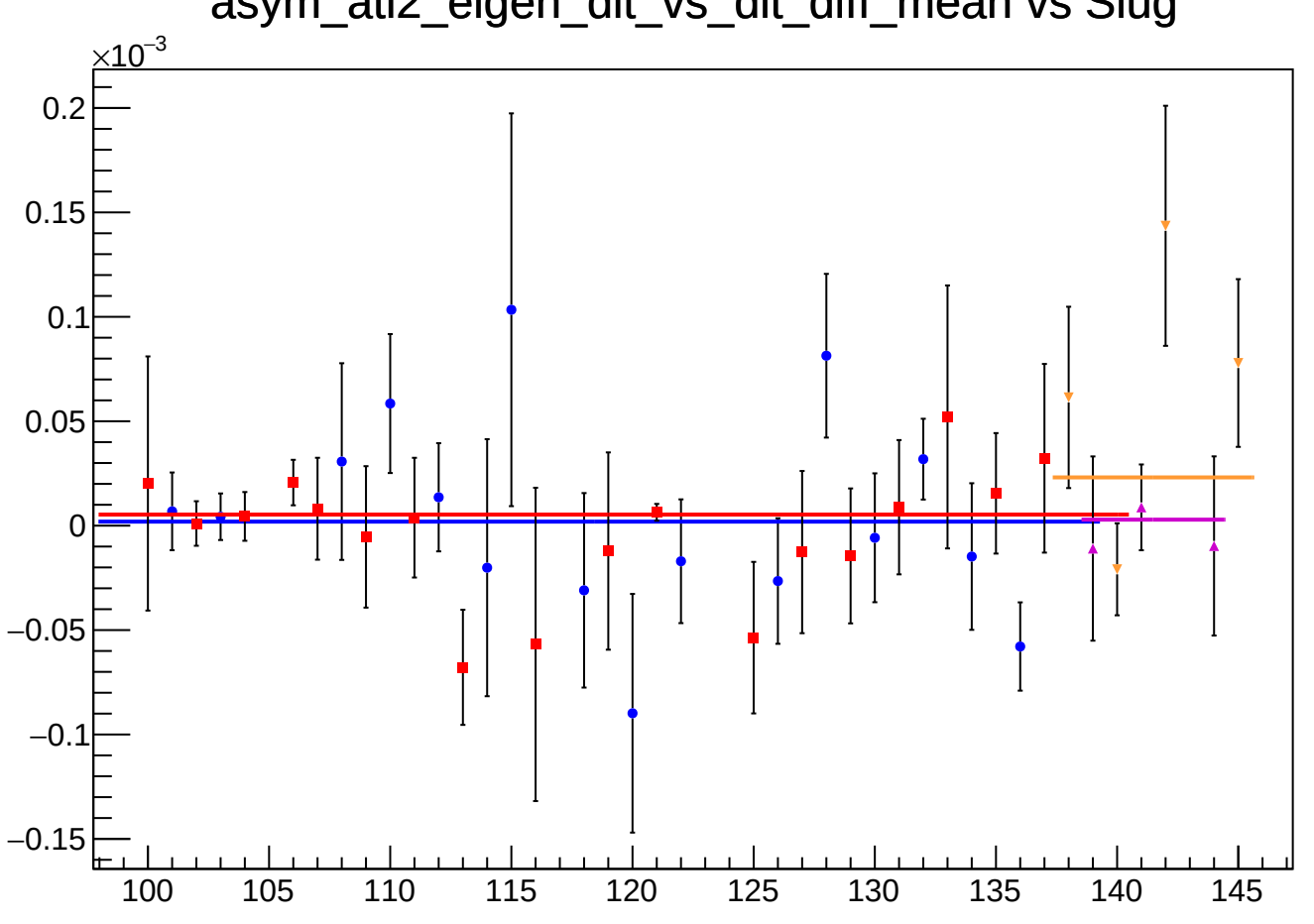
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 597.590+/-0.282 χ^2/NDF:562533.8/2

+ sign 258.769+/-0.065 χ^2/NDF: 3350800.6/19

All: 249.787+/-0.045 χ^2/NDF: 6491280.6/40

- sign 241.573+/-0.062 χ^2/NDF: 3103850.2/20



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

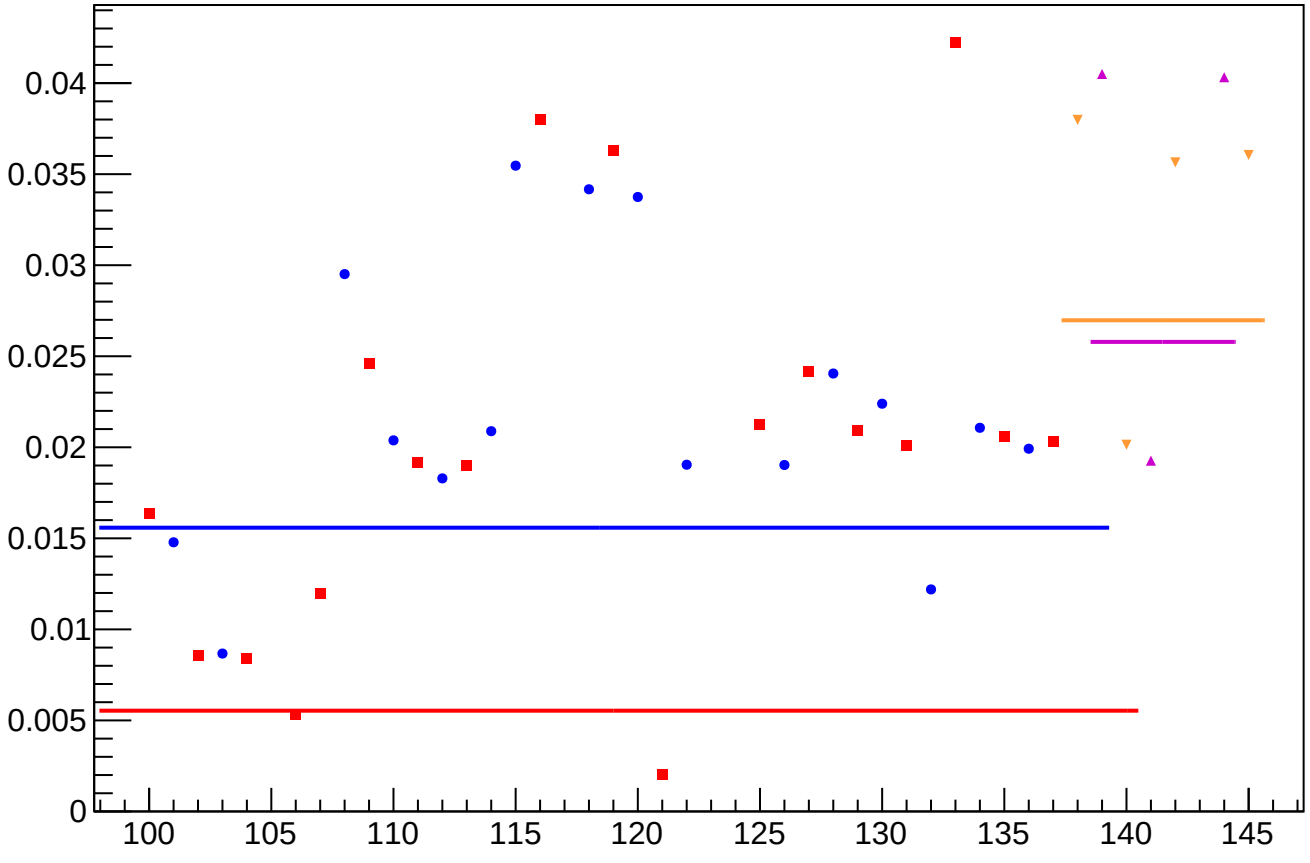
Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/19

All: 0.000+/-0.000 χ^2/NDF: 51.3/40

- sign 0.000+/-0.000 χ^2/NDF: 14.8/20

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

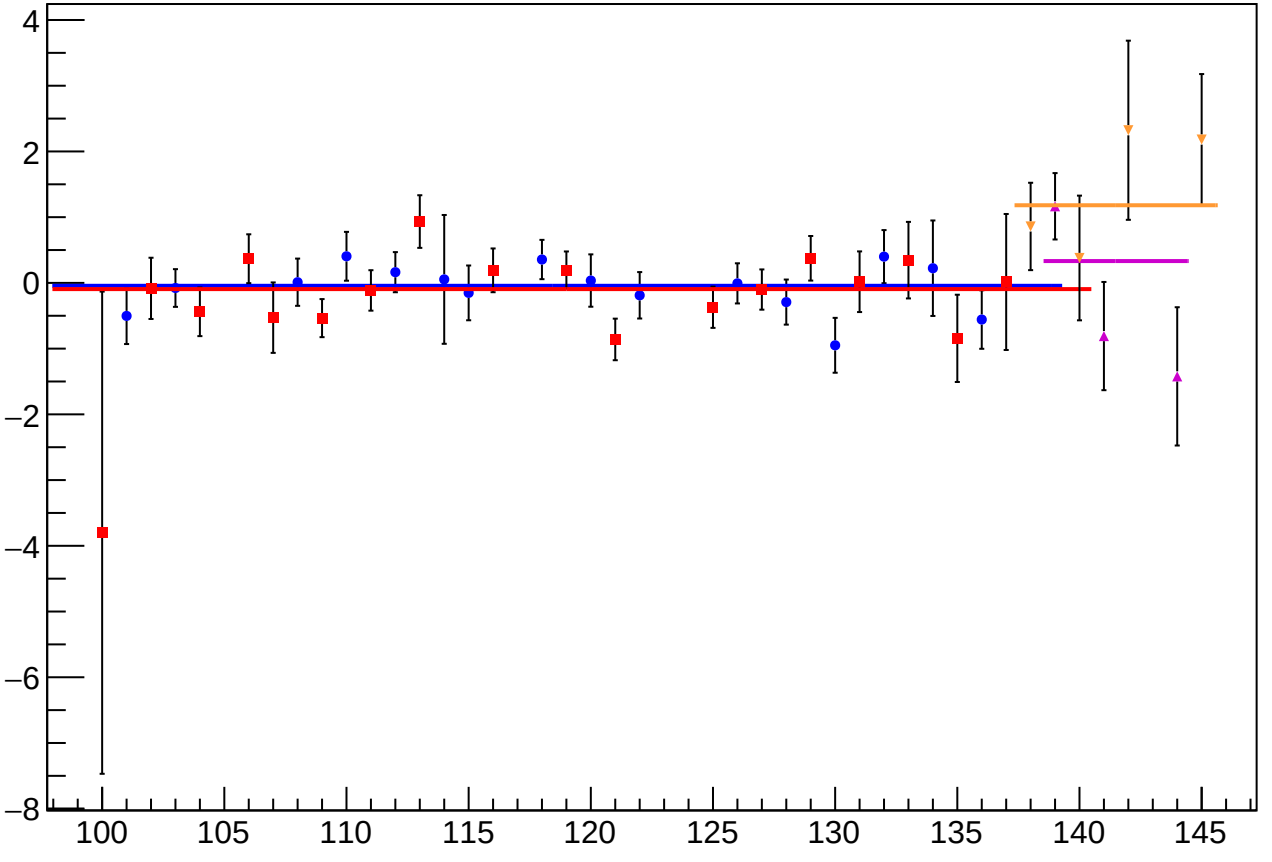
Left In: 0.026+/-0.000 χ^2/NDF:653961.4/2

+ sign 0.017+/-0.000 χ^2/NDF: 3341733.4/19

All: 0.009+/-0.000 χ^2/NDF: 19788863.4/40

- sign 0.006+/-0.000 χ^2/NDF: 11326202.0/20

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

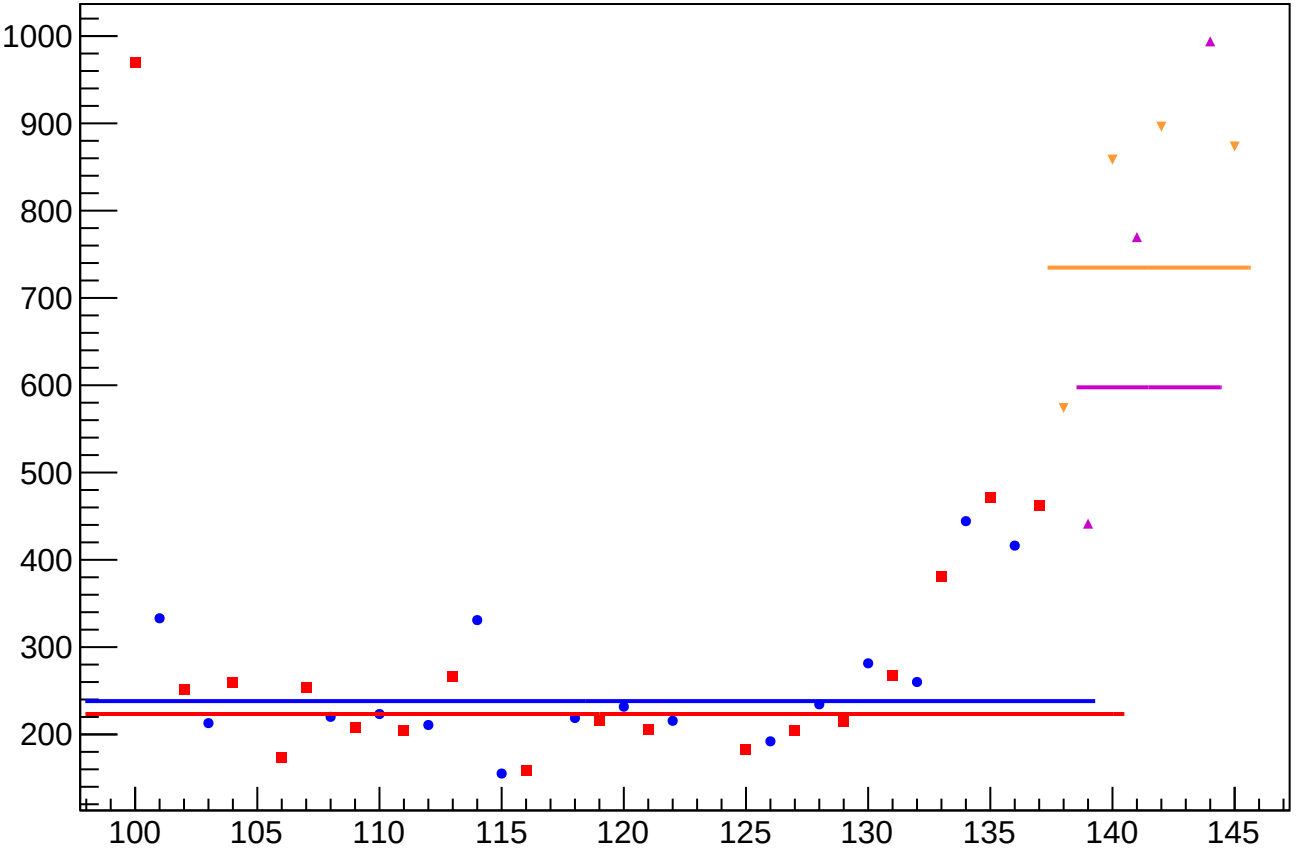
Left In: 0.332+/-0.398 χ^2/NDF:7.4/2

+ sign 0.007+/-0.092 χ^2/NDF: 22.8/19

All: -0.035+/-0.063 χ^2/NDF: 57.0/40

- sign -0.074+/-0.088 χ^2/NDF: 33.8/20

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

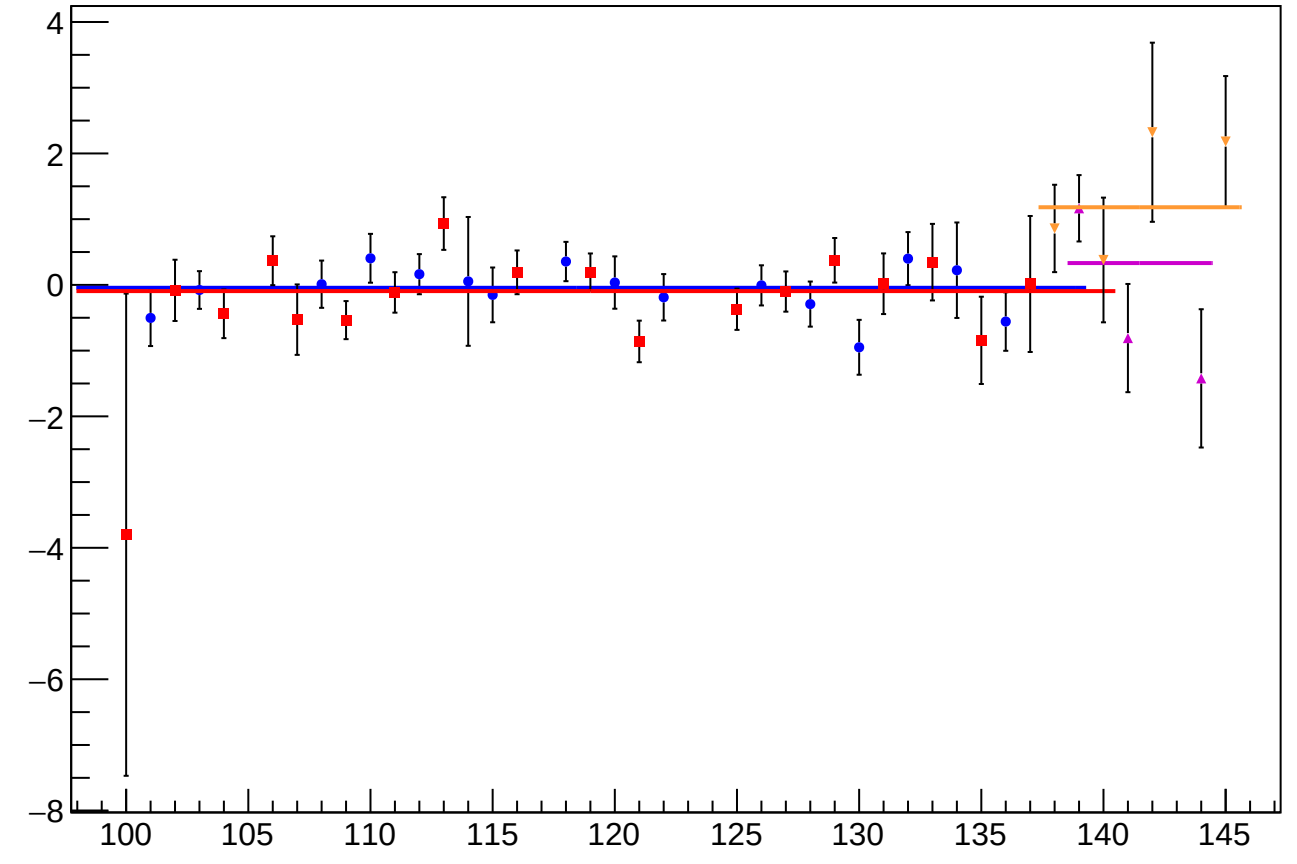
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 597.605+/-0.282 χ^2/NDF:562513.4/2

+ sign 258.769+/-0.065 χ^2/NDF: 3350802.0/19

All: 249.788+/-0.045 χ^2/NDF: 6491245.8/40

- sign 241.574+/-0.062 χ^2/NDF: 3103818.2/20



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 1.181+/-0.451 χ^2/NDF:2.7/3

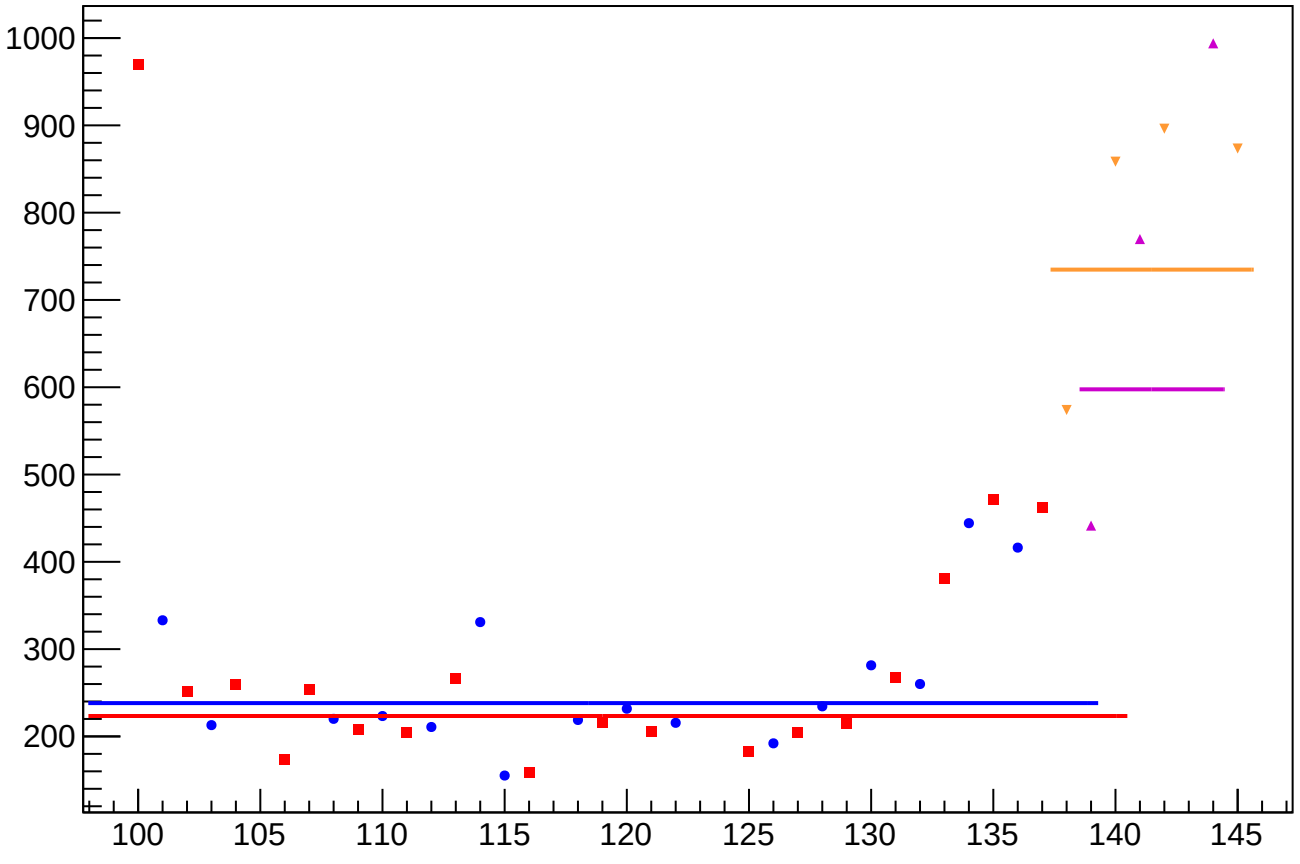
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.332+/-0.398 χ^2/NDF:7.4/2

+ sign 0.007+/-0.092 χ^2/NDF: 22.8/19

All: -0.035+/-0.063 χ^2/NDF: 57.0/40

- sign -0.074+/-0.088 χ^2/NDF: 33.8/20



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 734.749+/-0.319 χ^2/NDF:217854.8/3

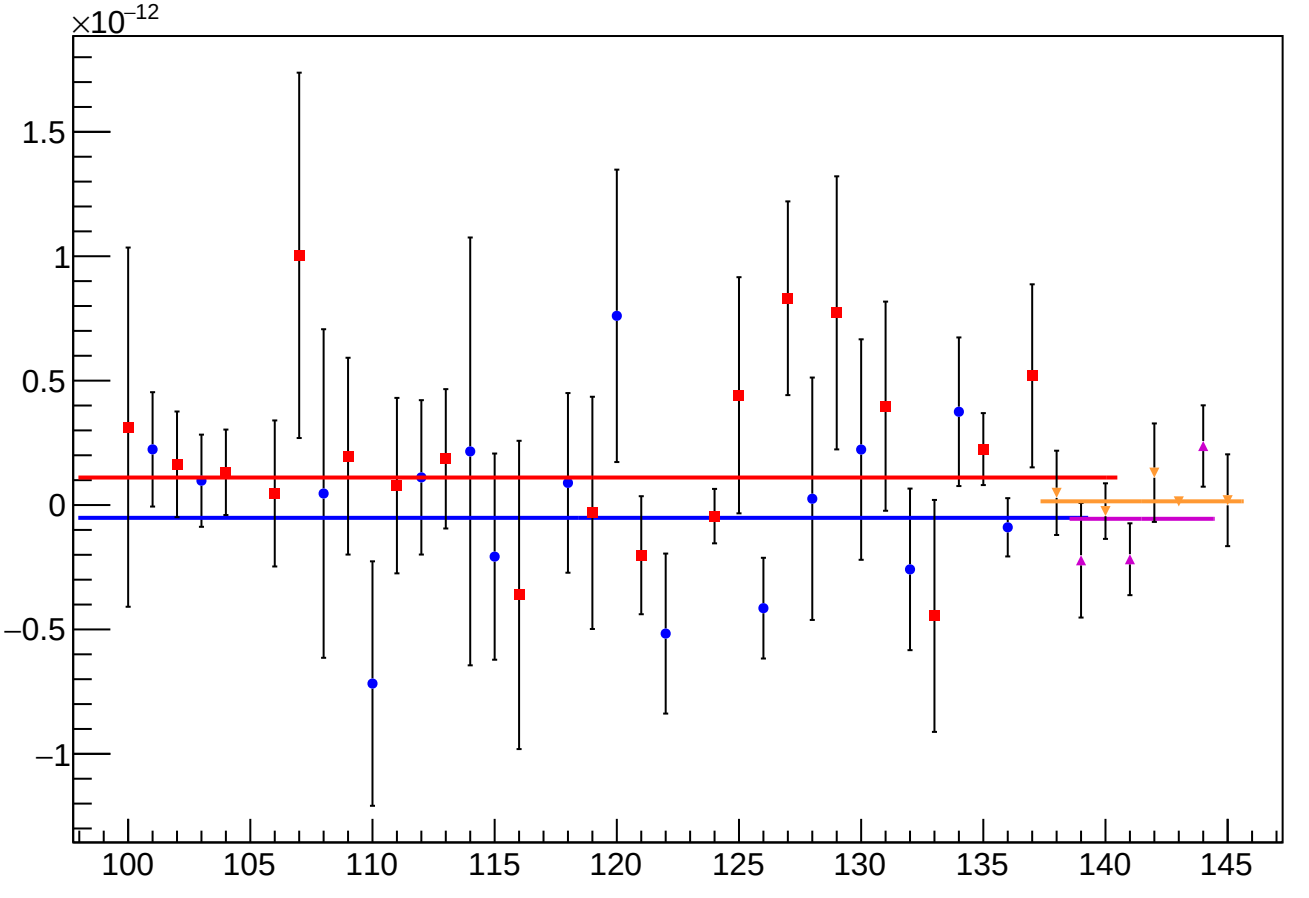
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 597.605+/-0.282 χ^2/NDF:562513.4/2

+ sign 258.769+/-0.065 χ^2/NDF: 3350802.0/19

All: 249.788+/-0.045 χ^2/NDF: 6491245.8/40

- sign 241.574+/-0.062 χ^2/NDF: 3103818.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/4

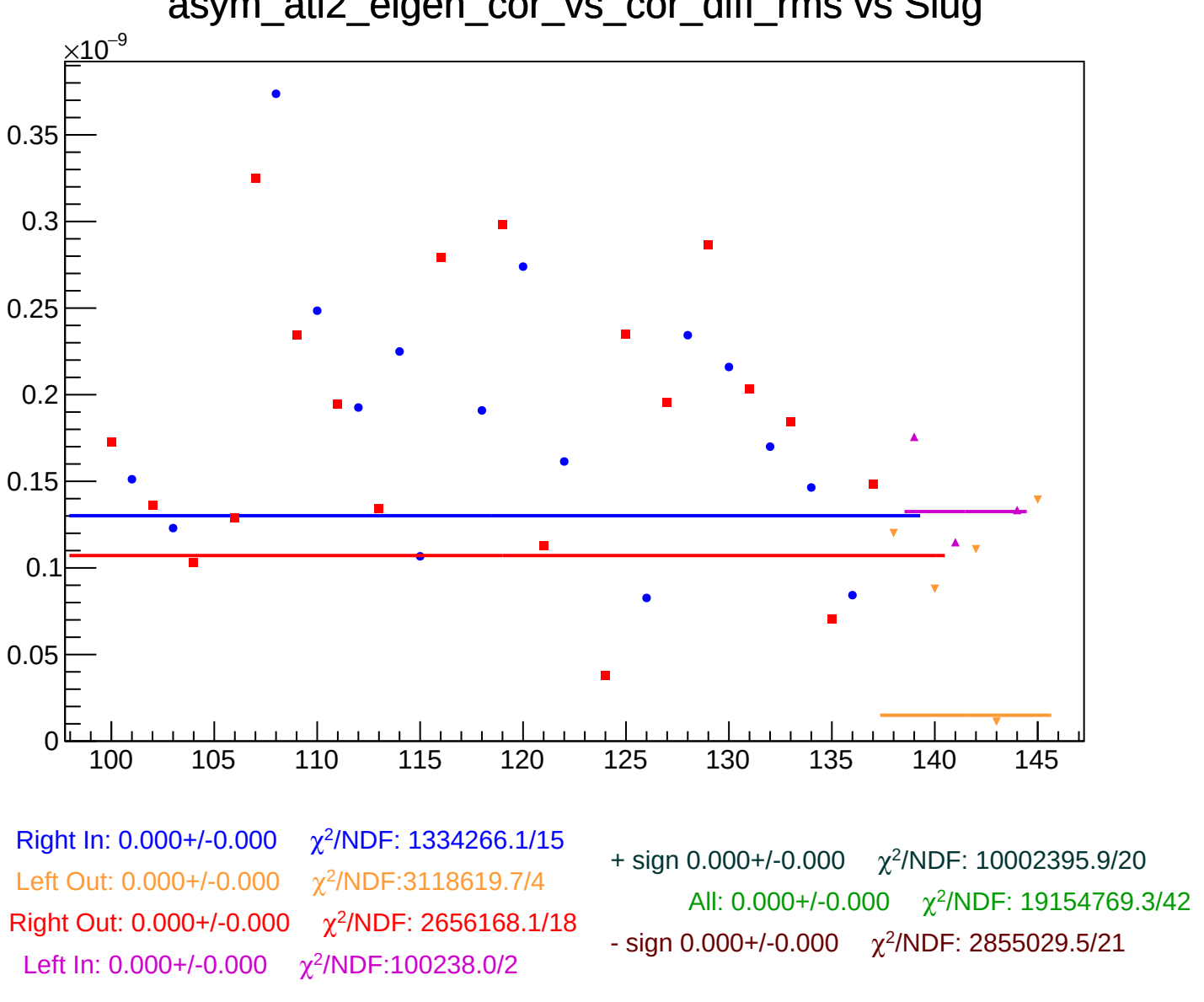
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/2

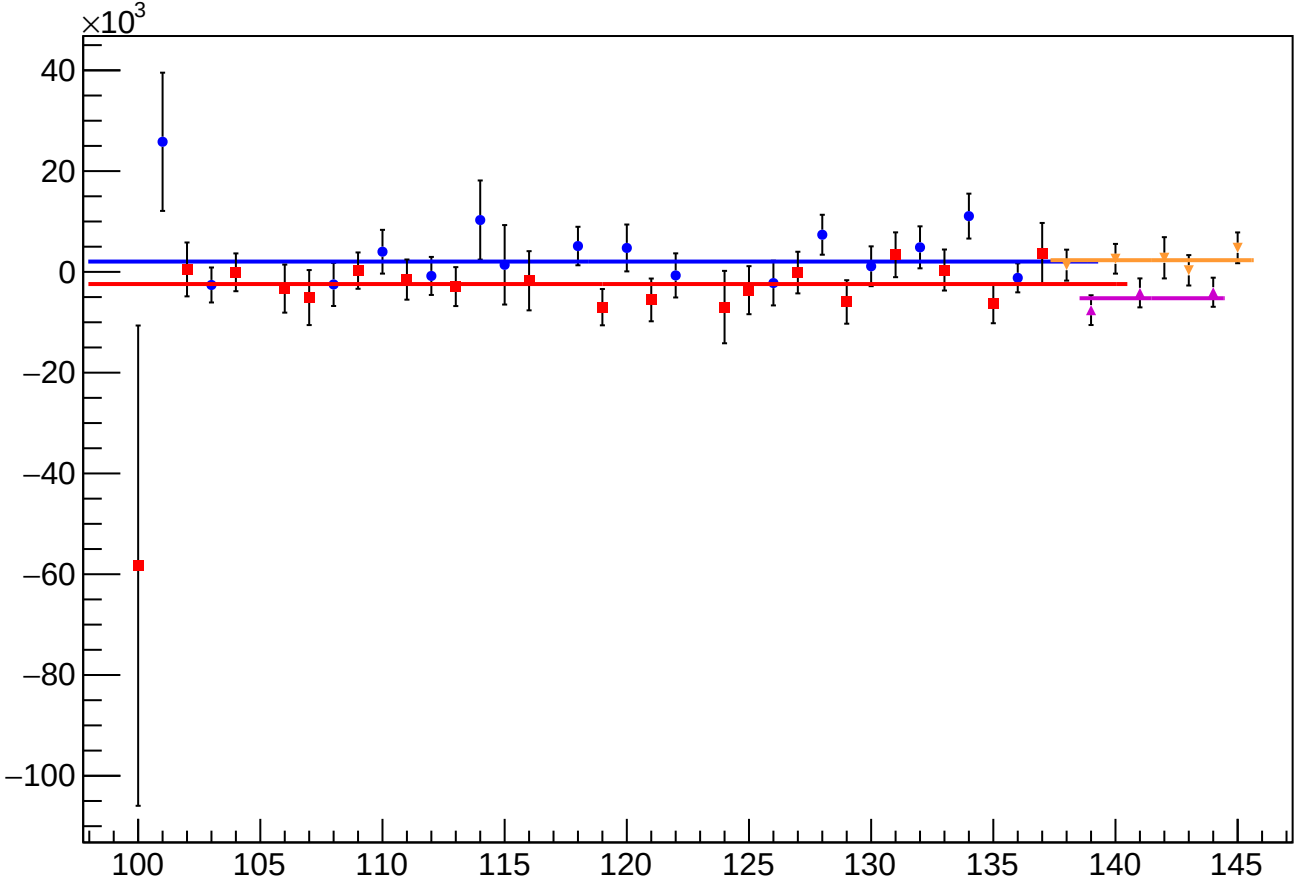
+ sign 0.000+/-0.000 χ^2/NDF: 16.2/20

All: 0.000+/-0.000 χ^2/NDF: 39.7/42

- sign 0.000+/-0.000 χ^2/NDF: 22.4/21


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
105
110
115
120
125
130
135
140
145
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:100238.0/2
+ sign 0.000+/-0.000 χ²/NDF: 10002395.9/20
All: 0.000+/-0.000 χ²/NDF: 19154769.3/42
- sign 0.000+/-0.000 χ²/NDF: 2855029.5/21

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

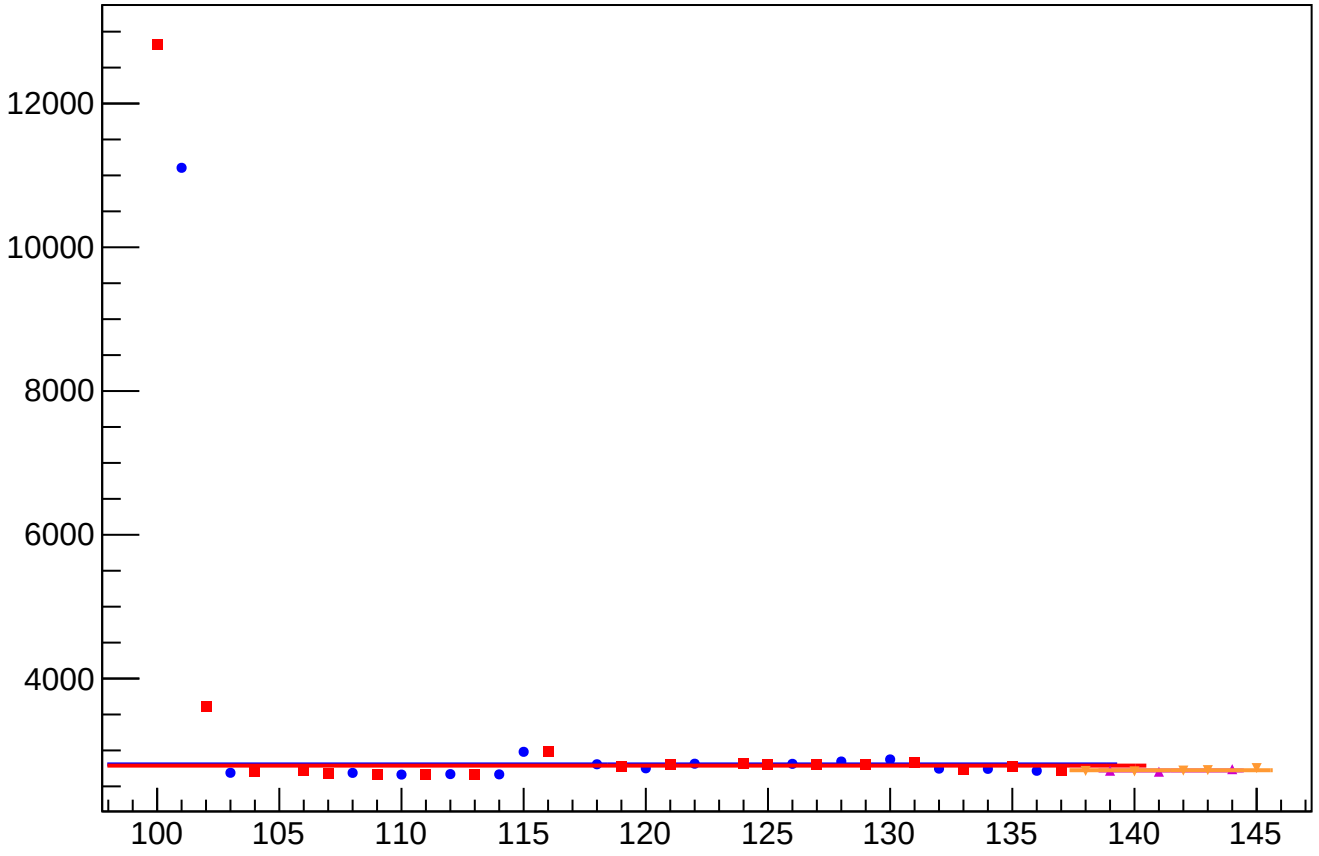
Left In: -5228.301+/-1676.907 χ^2/NDF:0.9/2

+ sign 2147.716+/-854.233 χ^2/NDF: 19.0/20

All: -438.373+/-613.292 χ^2/NDF: 51.7/42

- sign -3189.309+/-881.039 χ^2/NDF: 13.8/21

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

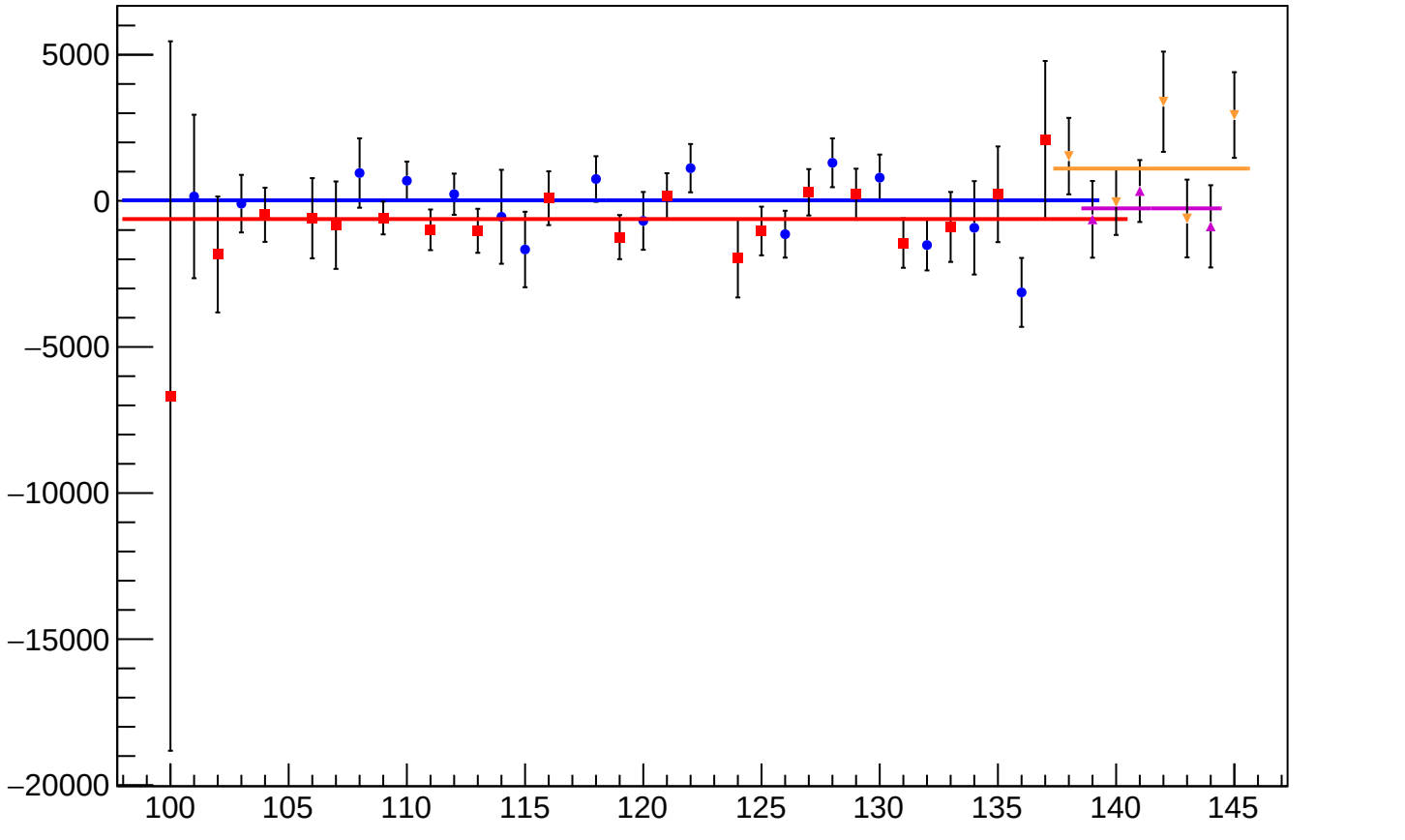
Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2720.565+/-1.186 χ^2/NDF:153.4/2

+ sign 2776.052+/-0.604 χ^2/NDF: 750663.6/20

All: 2773.109+/-0.434 χ^2/NDF: 900263.1/42

- sign 2769.979+/-0.623 χ^2/NDF: 149550.6/21



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

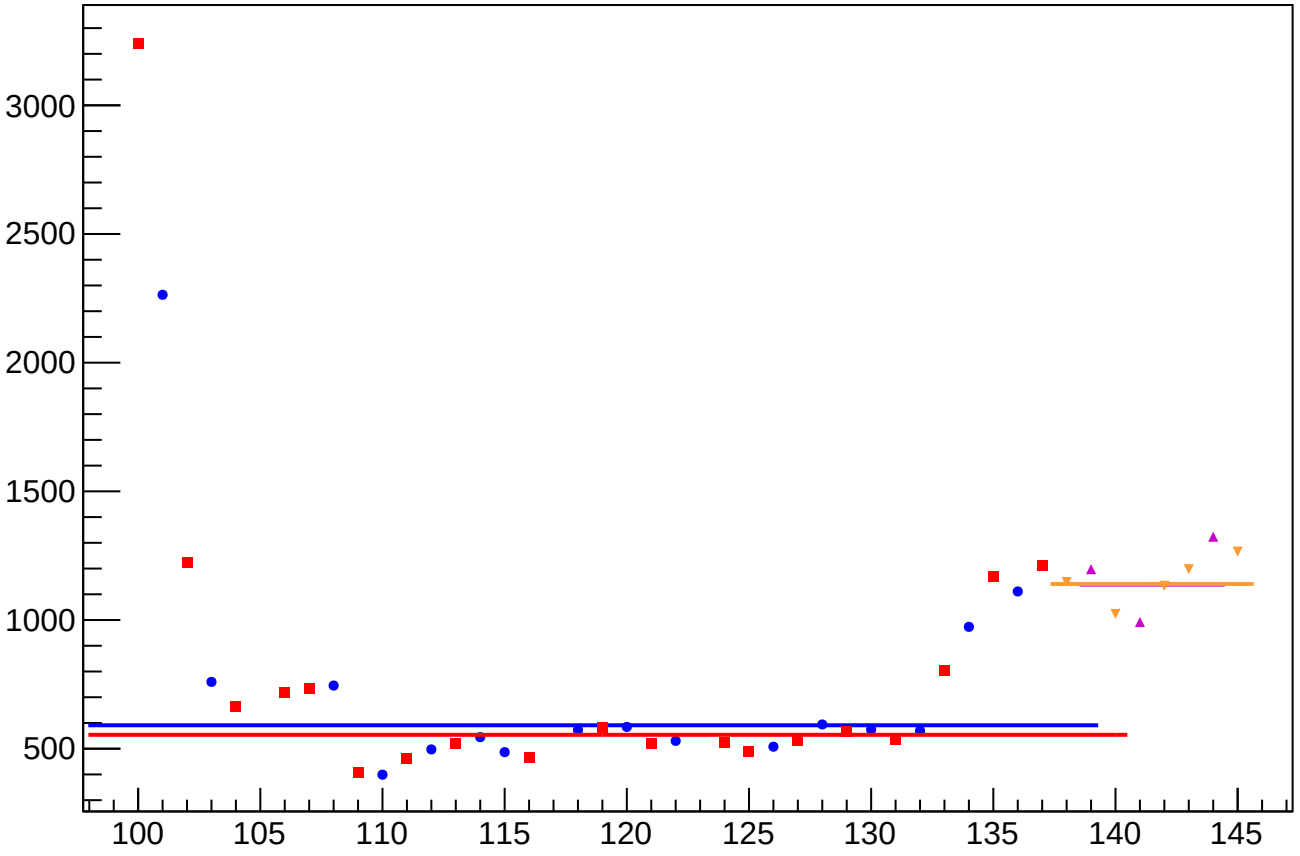
Left In: -257.434+/-711.570 χ^2/NDF:0.6/2

+ sign 160.495+/-217.734 χ^2/NDF: 31.7/20

All: -235.549+/-149.886 χ^2/NDF: 48.1/42

- sign -592.269+/-206.642 χ^2/NDF: 10.1/21

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

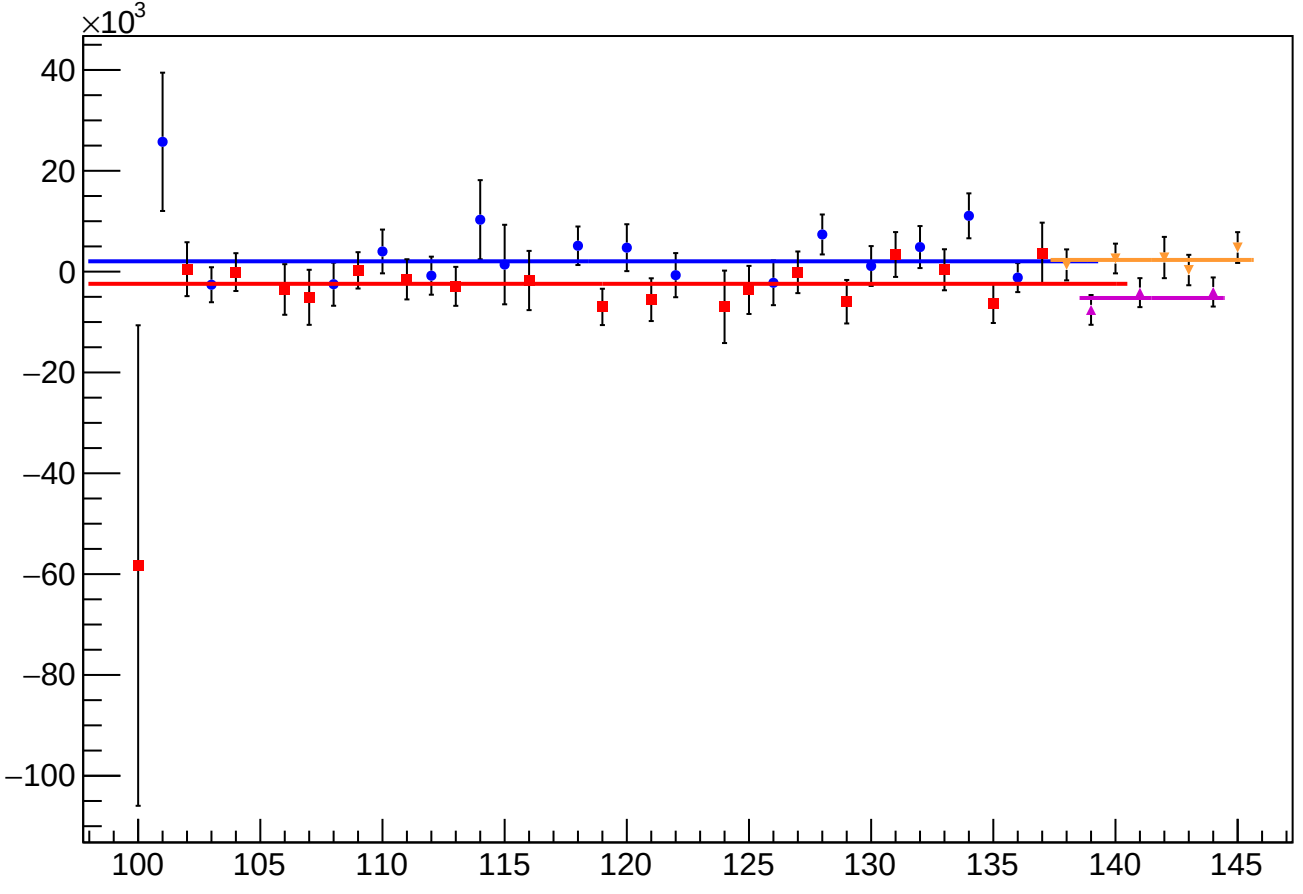
Left In: 1137.421+/-0.503 χ^2/NDF:76781.5/2

+ sign 662.617+/-0.154 χ^2/NDF: 3049604.2/20

All: 631.349+/-0.106 χ^2/NDF: 5552882.1/42

- sign 603.185+/-0.146 χ^2/NDF: 2424882.0/21

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

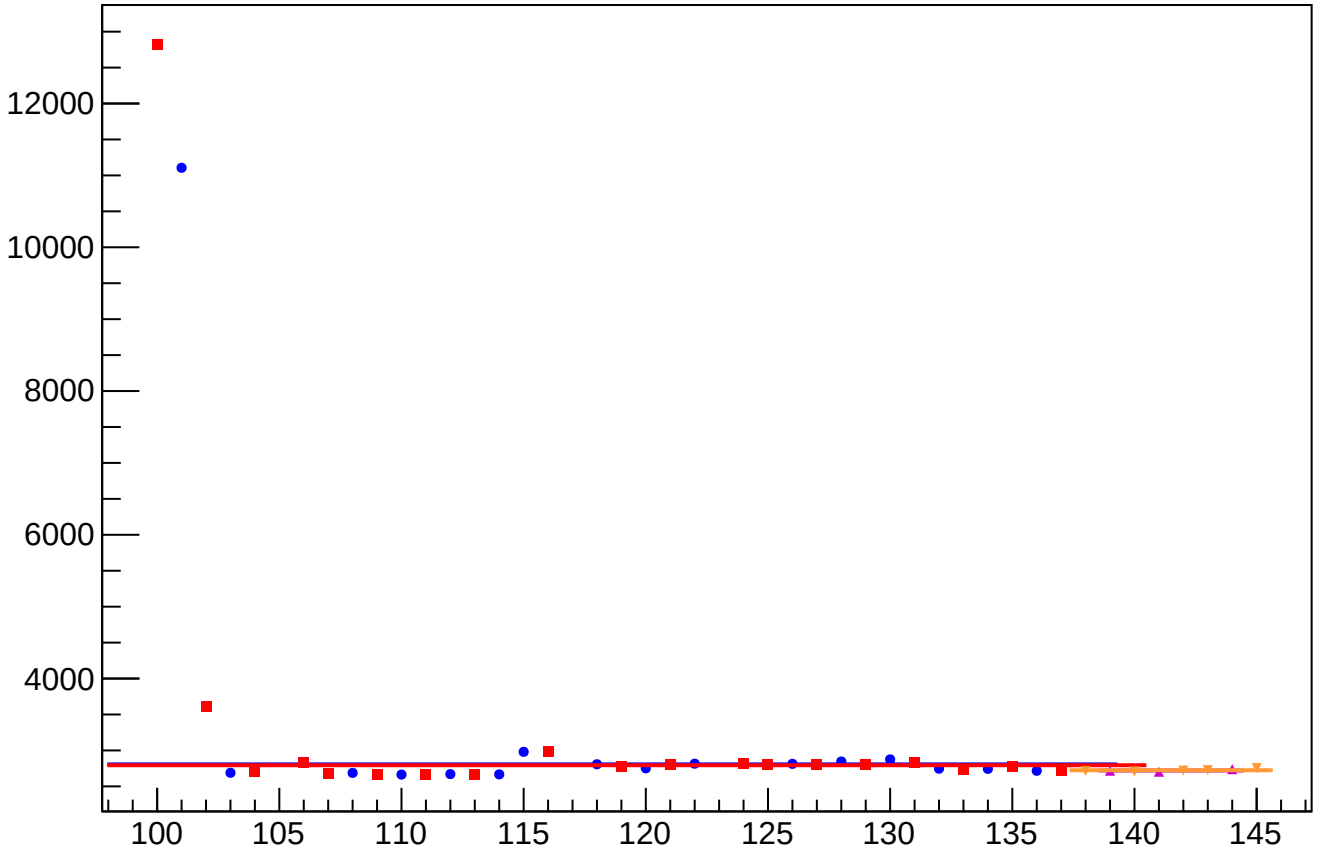
Left In: -5228.689+/-1676.907 χ^2/NDF:0.9/2

+ sign 2147.317+/-854.234 χ^2/NDF: 19.0/20

All: -437.564+/-613.786 χ^2/NDF: 51.7/42

- sign -3196.384+/-882.507 χ^2/NDF: 13.8/21

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

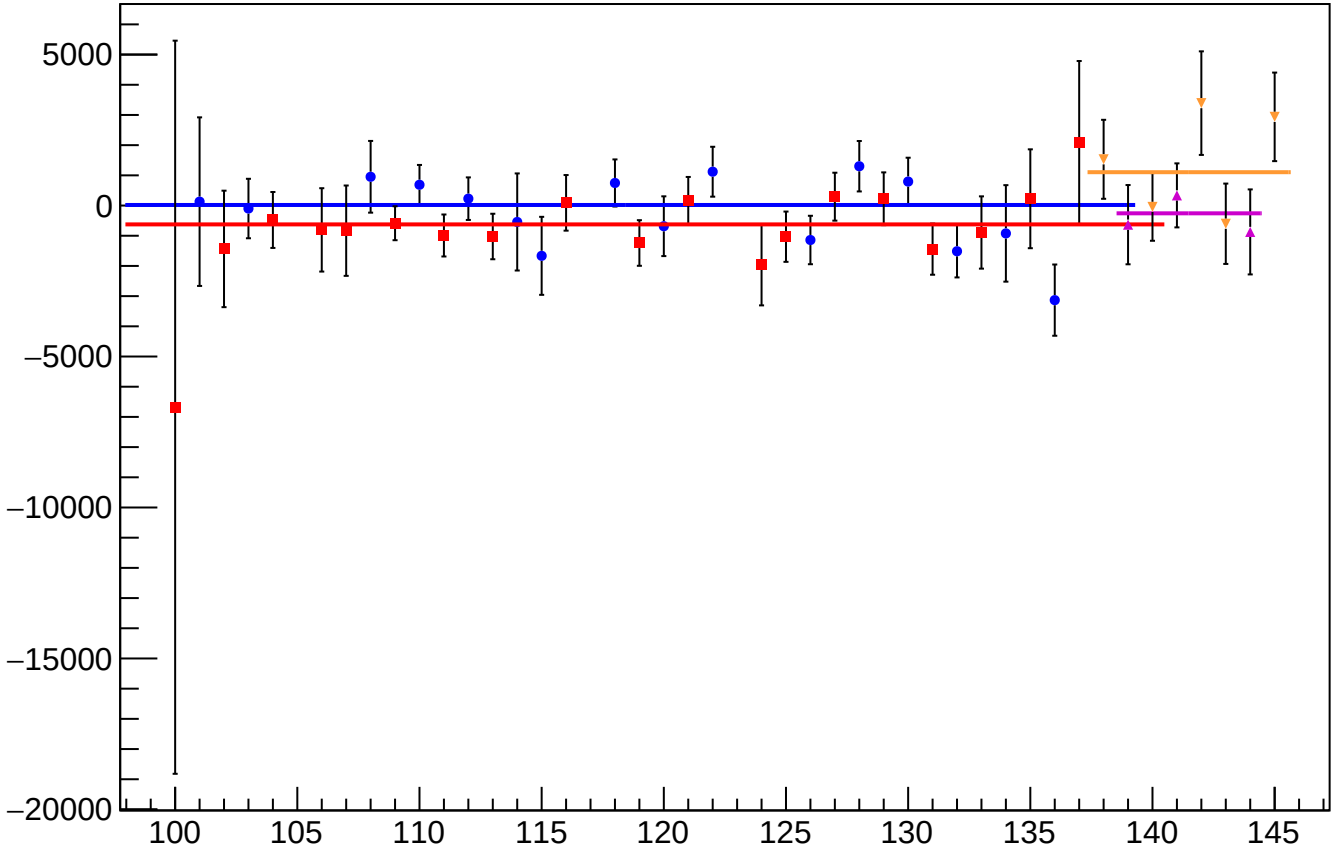
Left In: 2720.565+/-1.186 χ^2/NDF:153.4/2

+ sign 2776.052+/-0.604 χ^2/NDF: 750662.7/20

All: 2774.950+/-0.434 χ^2/NDF: 900352.3/42

- sign 2773.775+/-0.624 χ^2/NDF: 149682.8/21

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

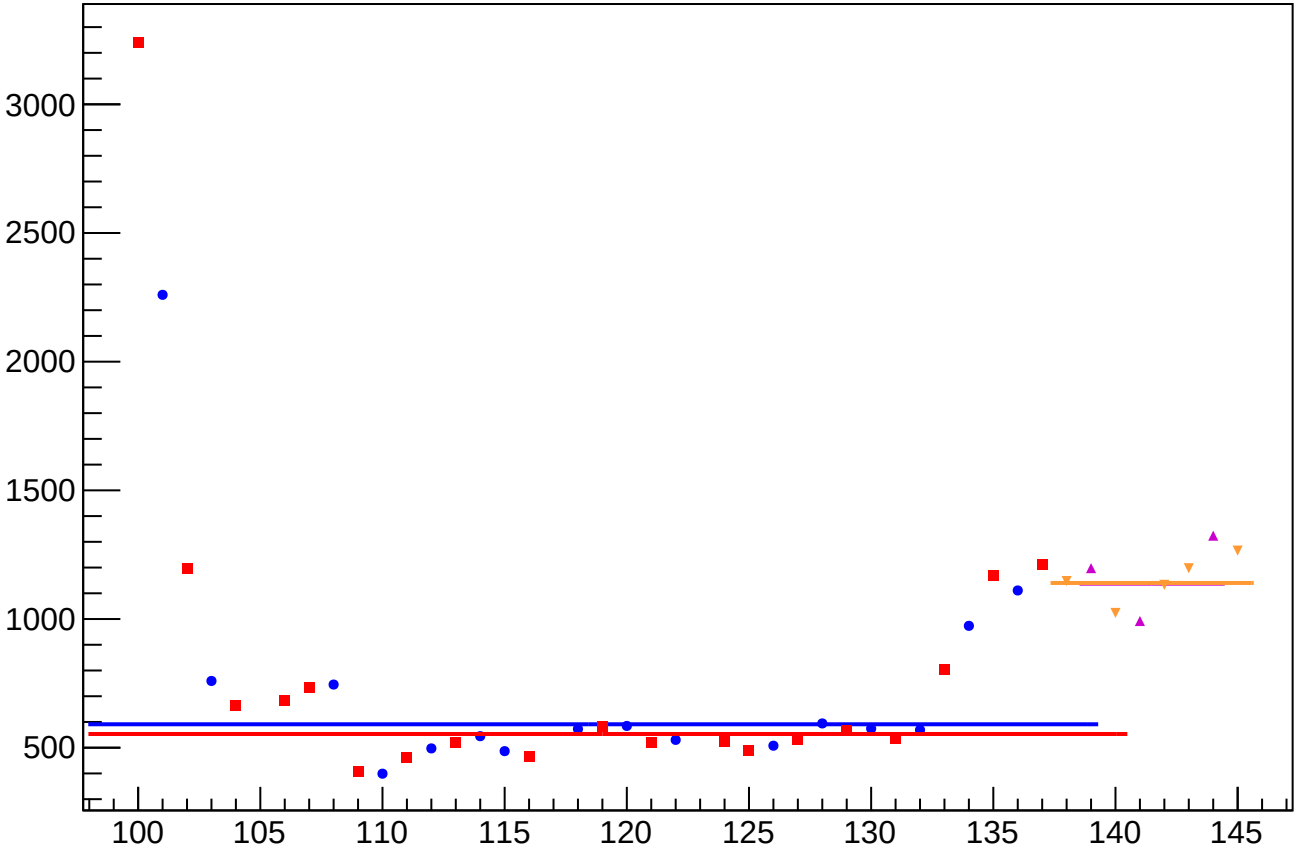
Left In: -257.477+/-711.569 χ^2/NDF:0.6/2

+ sign 160.466+/-217.724 χ^2/NDF: 31.7/20

All: -236.163+/-149.867 χ^2/NDF: 48.0/42

- sign -593.300+/-206.601 χ^2/NDF: 9.9/21

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

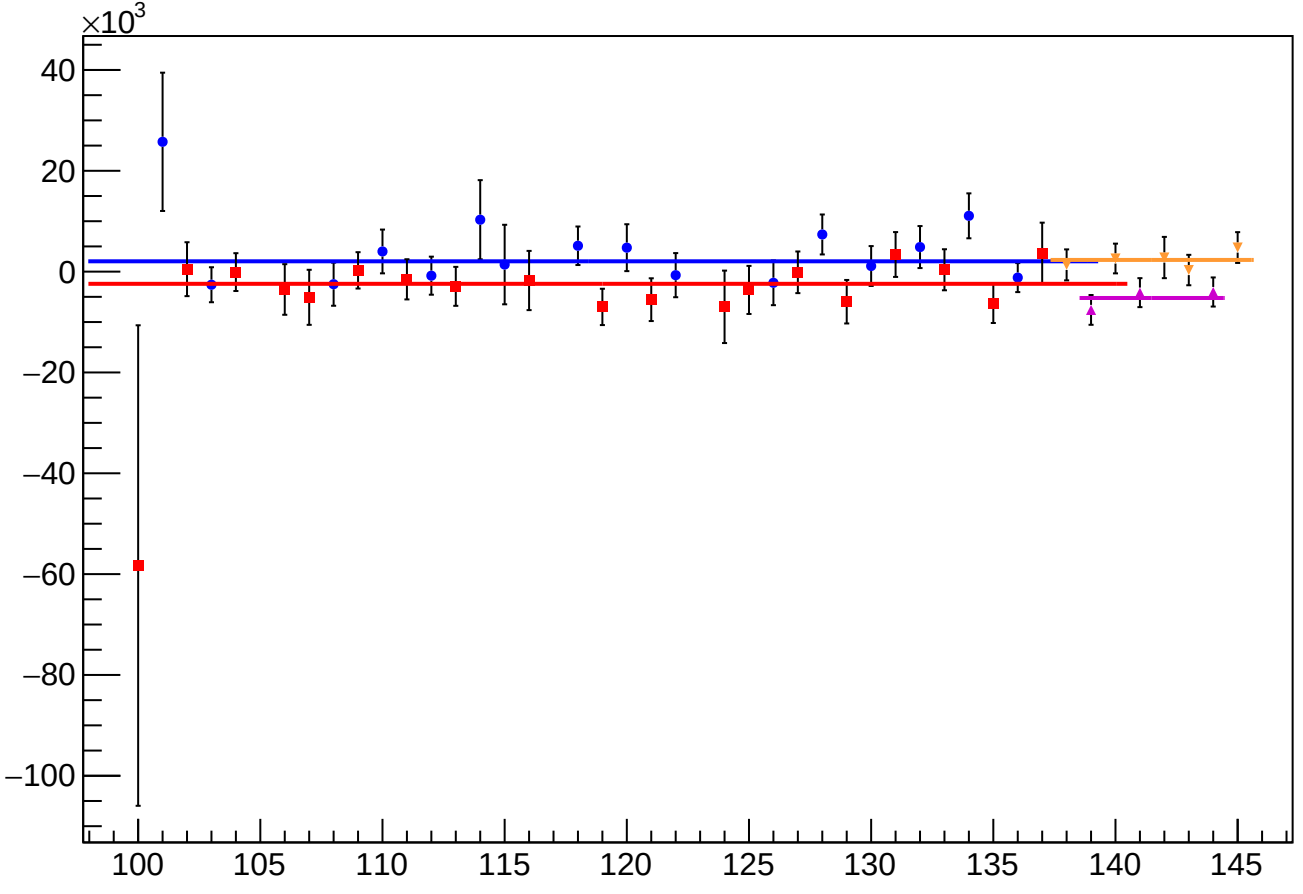
Left In: 1137.416+/-0.503 χ^2/NDF:76798.1/2

+ sign 662.608+/-0.154 χ^2/NDF: 3048562.1/20

All: 630.969+/-0.106 χ^2/NDF: 5541648.8/42

- sign 602.480+/-0.146 χ^2/NDF: 2412821.7/21

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

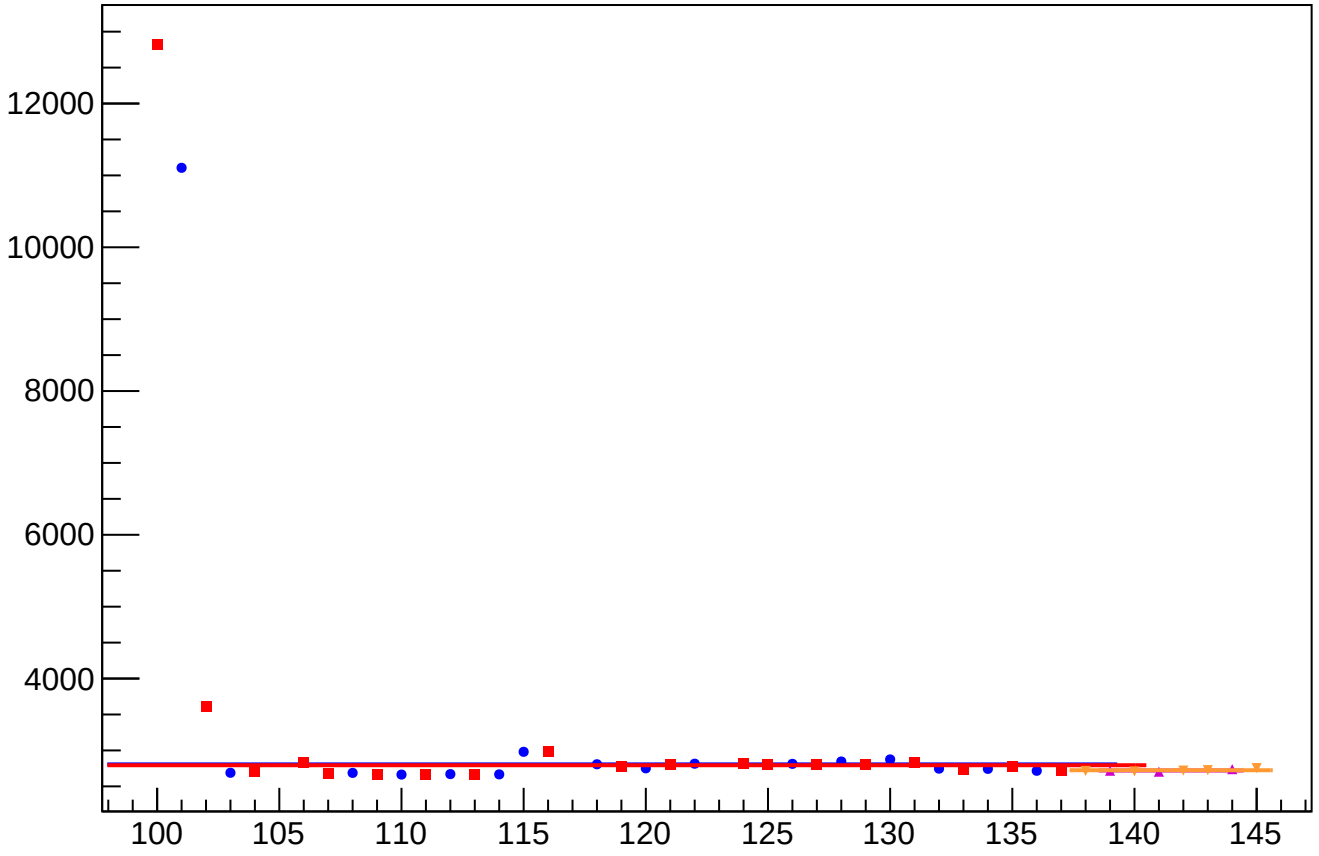
Left In: -5228.689+/-1676.907 χ^2/NDF:0.9/2

+ sign 2147.317+/-854.234 χ^2/NDF: 19.0/20

All: -437.564+/-613.786 χ^2/NDF: 51.7/42

- sign -3196.384+/-882.507 χ^2/NDF: 13.8/21

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

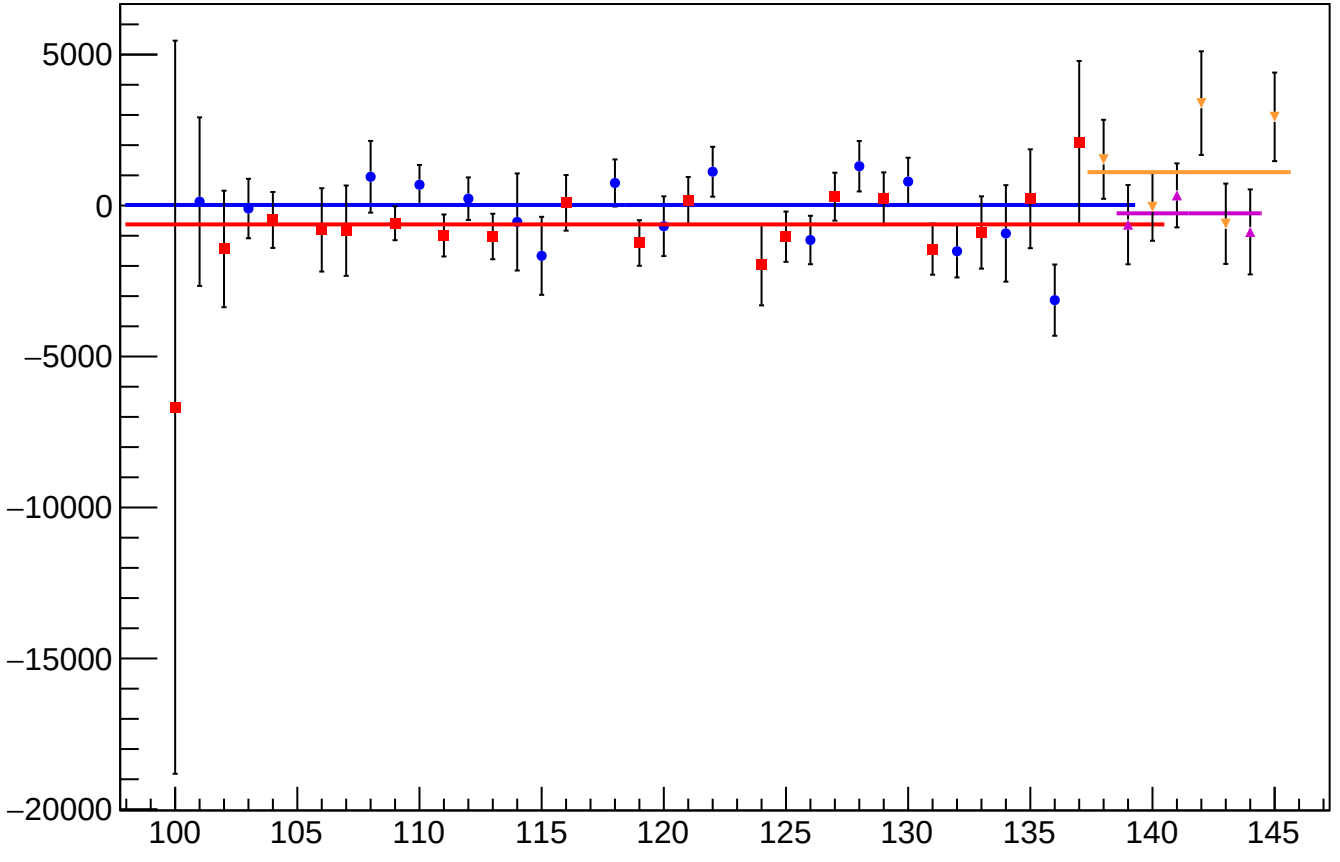
Left In: 2720.565+/-1.186 χ^2/NDF:153.4/2

+ sign 2776.052+/-0.604 χ^2/NDF: 750662.7/20

All: 2774.950+/-0.434 χ^2/NDF: 900352.3/42

- sign 2773.775+/-0.624 χ^2/NDF: 149682.8/21

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

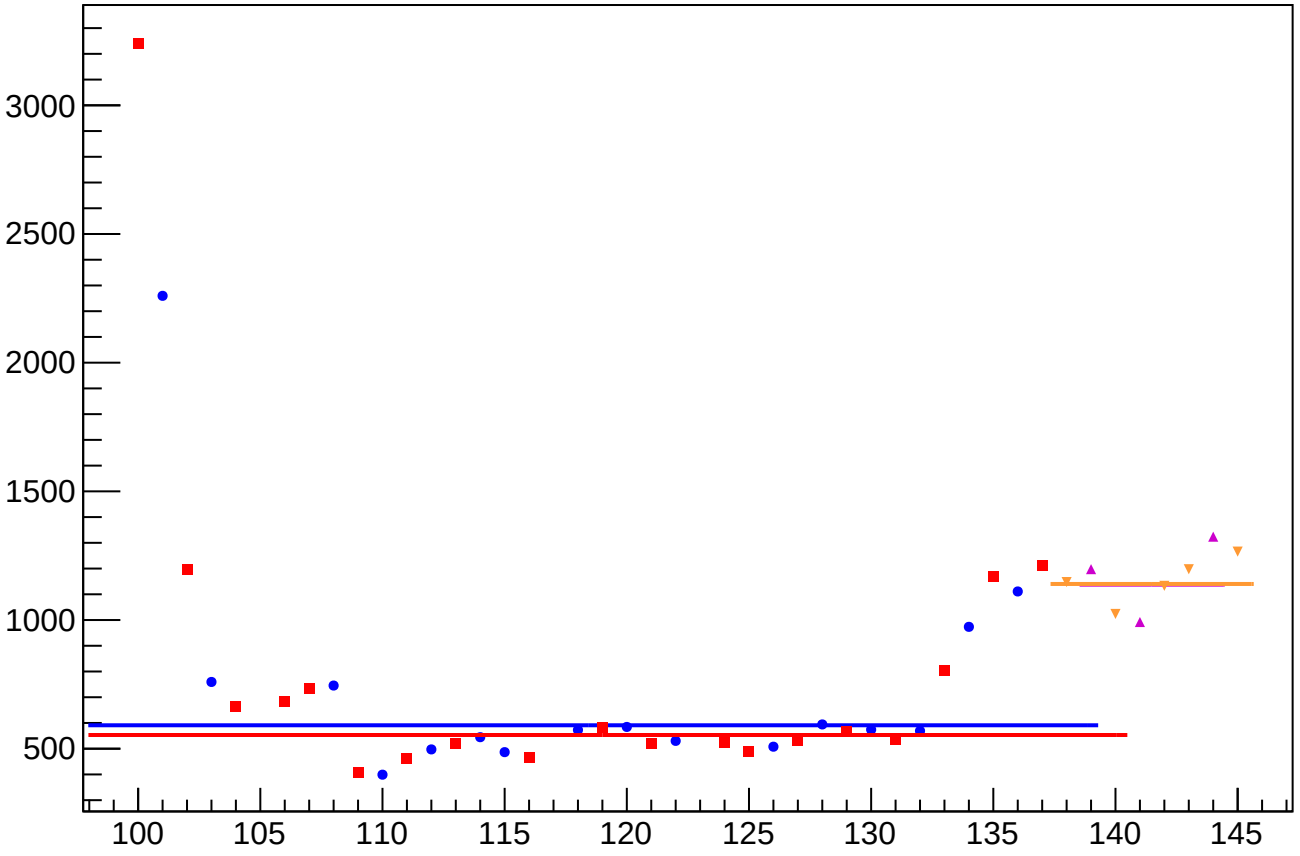
Left In: -257.477+/-711.569 χ^2/NDF:0.6/2

+ sign 160.466+/-217.724 χ^2/NDF: 31.7/20

All: -236.163+/-149.867 χ^2/NDF: 48.0/42

- sign -593.300+/-206.601 χ^2/NDF: 9.9/21

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

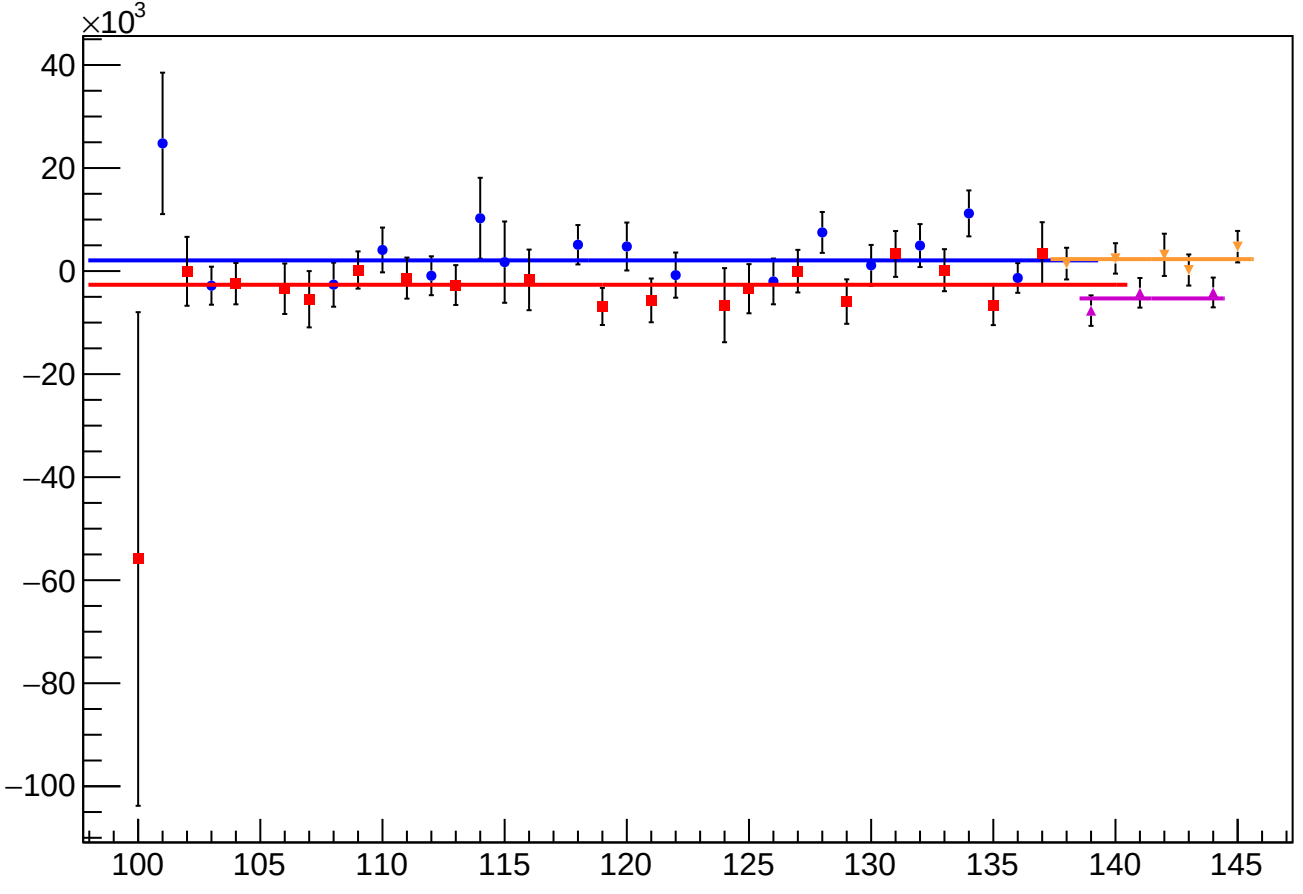
Left In: 1137.416+/-0.503 χ^2/NDF:76798.1/2

+ sign 662.608+/-0.154 χ^2/NDF: 3048562.1/20

All: 630.969+/-0.106 χ^2/NDF: 5541648.8/42

- sign 602.480+/-0.146 χ^2/NDF: 2412821.7/21

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

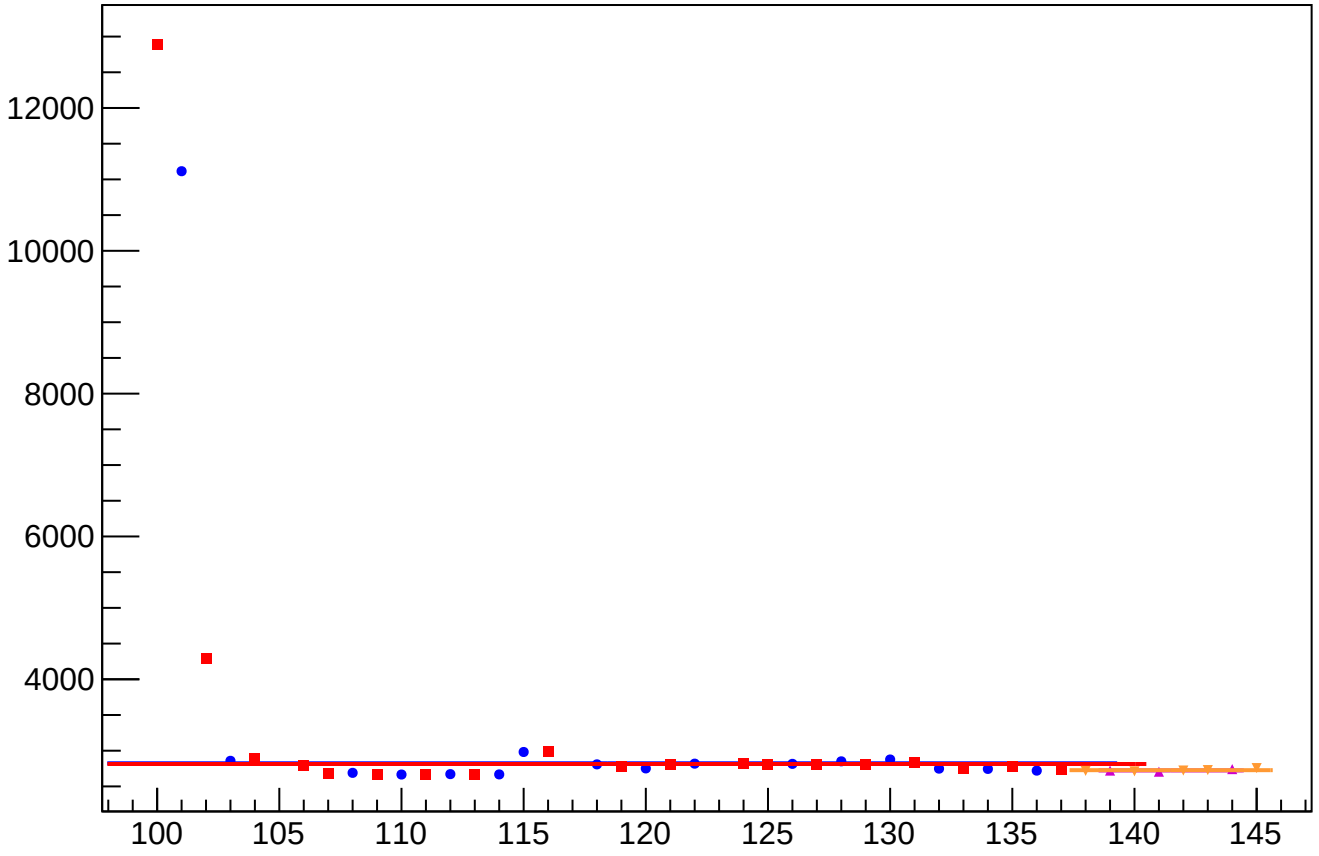
Left In: -5310.208+/-1678.658 χ^2/NDF:0.9/2

+ sign 2164.278+/-857.994 χ^2/NDF: 19.1/20

All: -517.196+/-617.738 χ^2/NDF: 52.1/42

- sign -3403.222+/-890.118 χ^2/NDF: 12.7/21

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

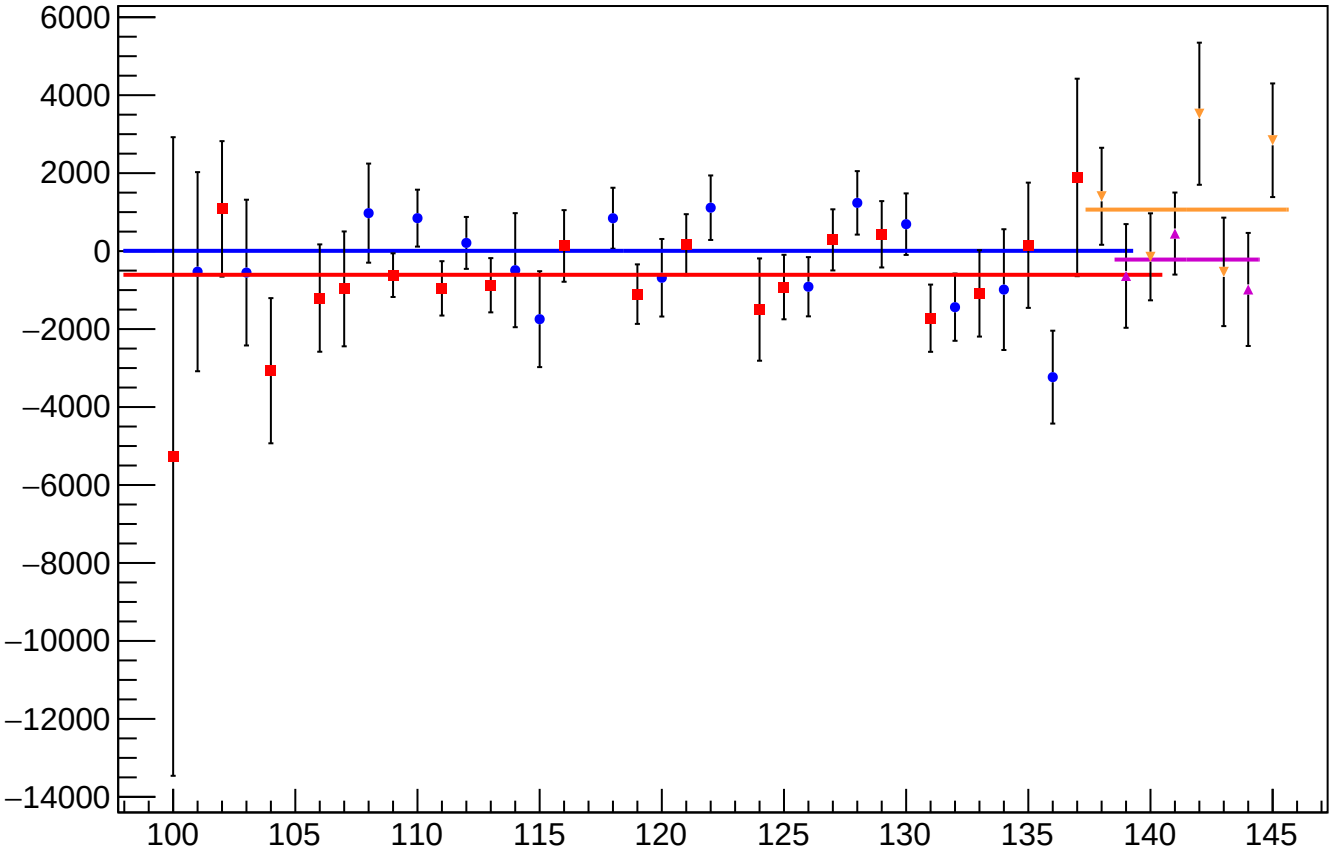
Left In: 2723.369+/-1.187 χ^2/NDF:159.6/2

+ sign 2788.297+/-0.607 χ^2/NDF: 750007.7/20

All: 2788.341+/-0.437 χ^2/NDF: 954853.4/42

- sign 2788.389+/-0.629 χ^2/NDF: 204845.7/21

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

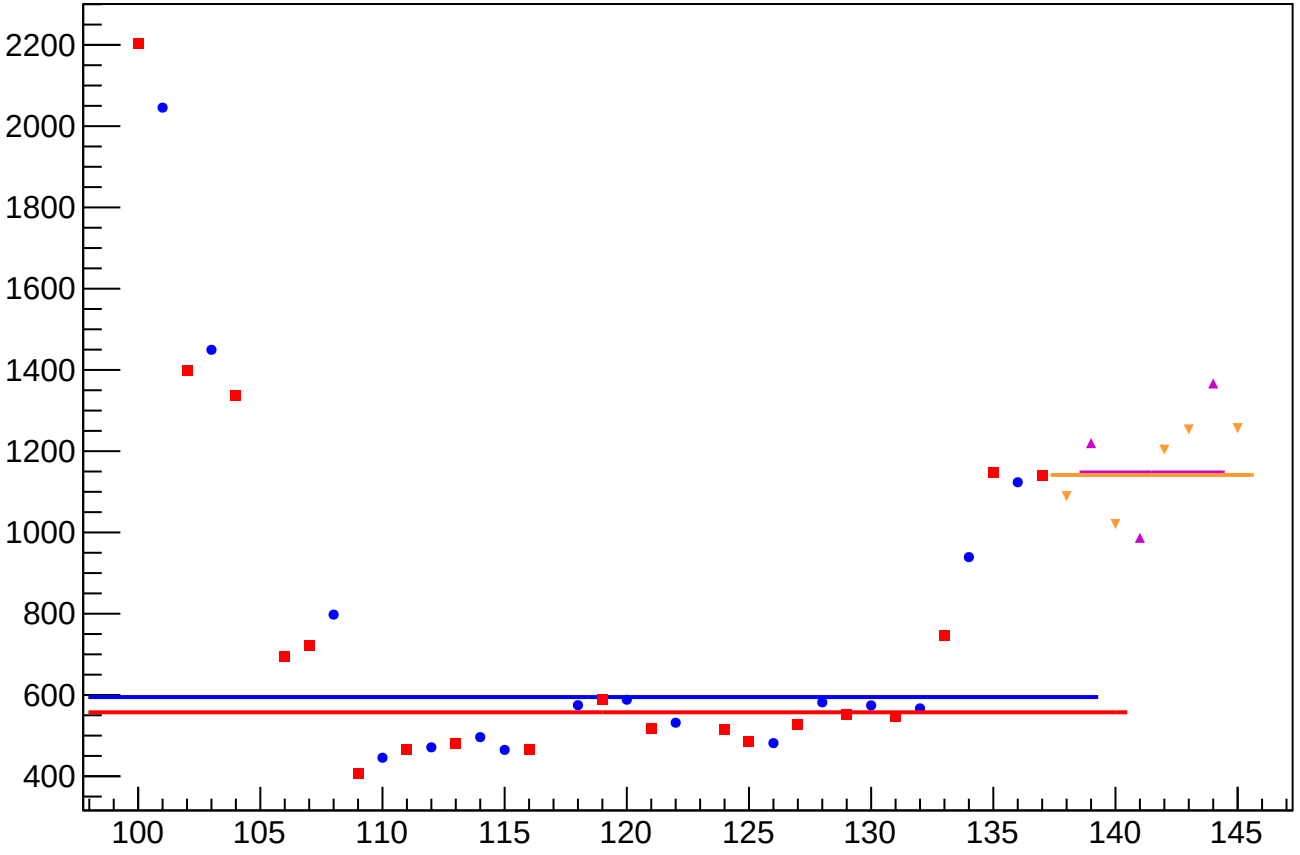
Left In: -216.961+/-717.267 χ^2/NDF:0.8/2

+ sign 148.464+/-221.013 χ^2/NDF: 31.3/20

All: -235.491+/-151.386 χ^2/NDF: 50.2/42

- sign -574.861+/-207.785 χ^2/NDF: 13.2/21

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

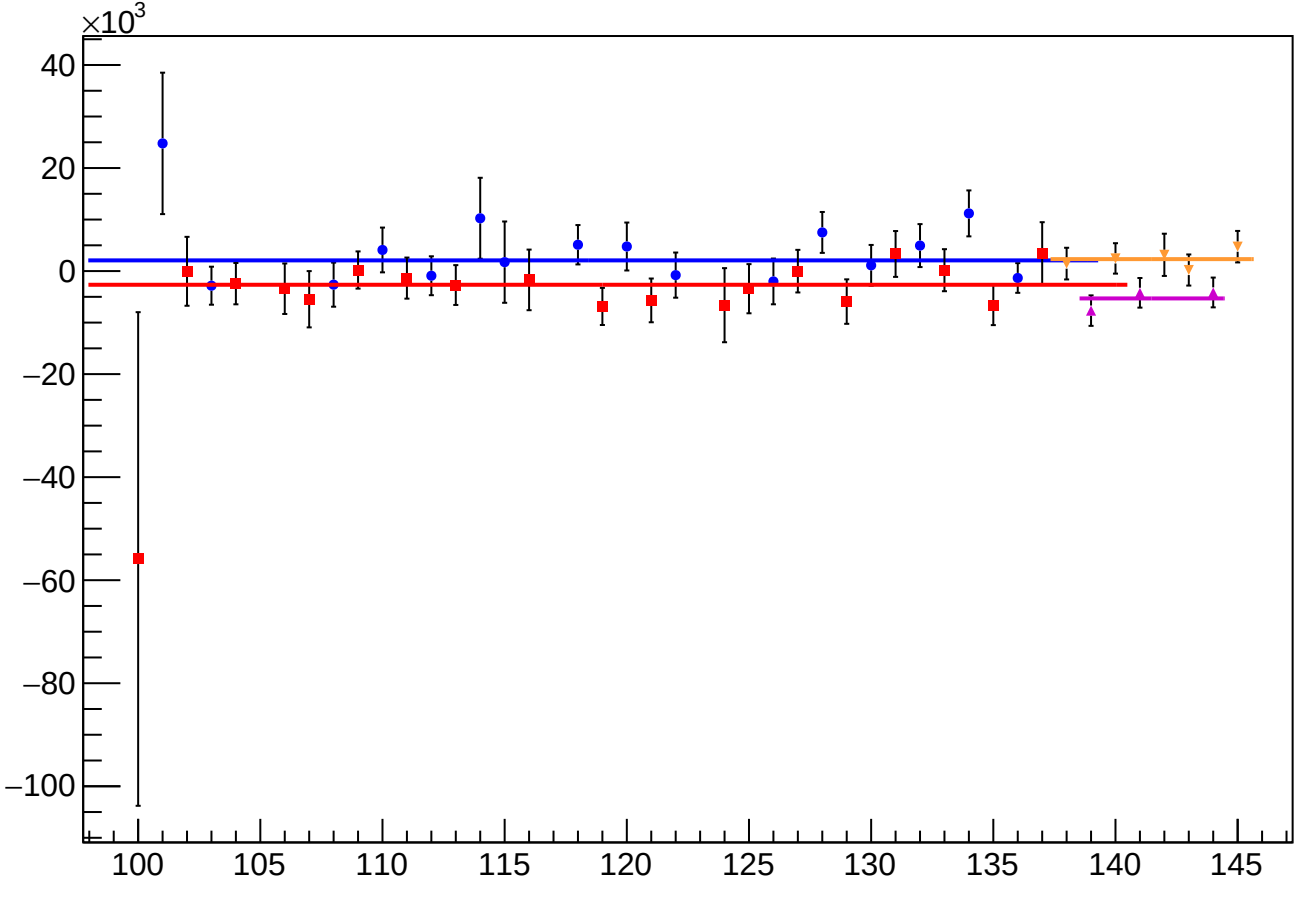
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 1147.597+/-0.507 χ^2/NDF:98258.6/2

+ sign 667.948+/-0.156 χ^2/NDF: 3324721.7/20

All: 635.557+/-0.107 χ^2/NDF: 6375727.0/42

- sign 606.926+/-0.147 χ^2/NDF: 2970074.5/21



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

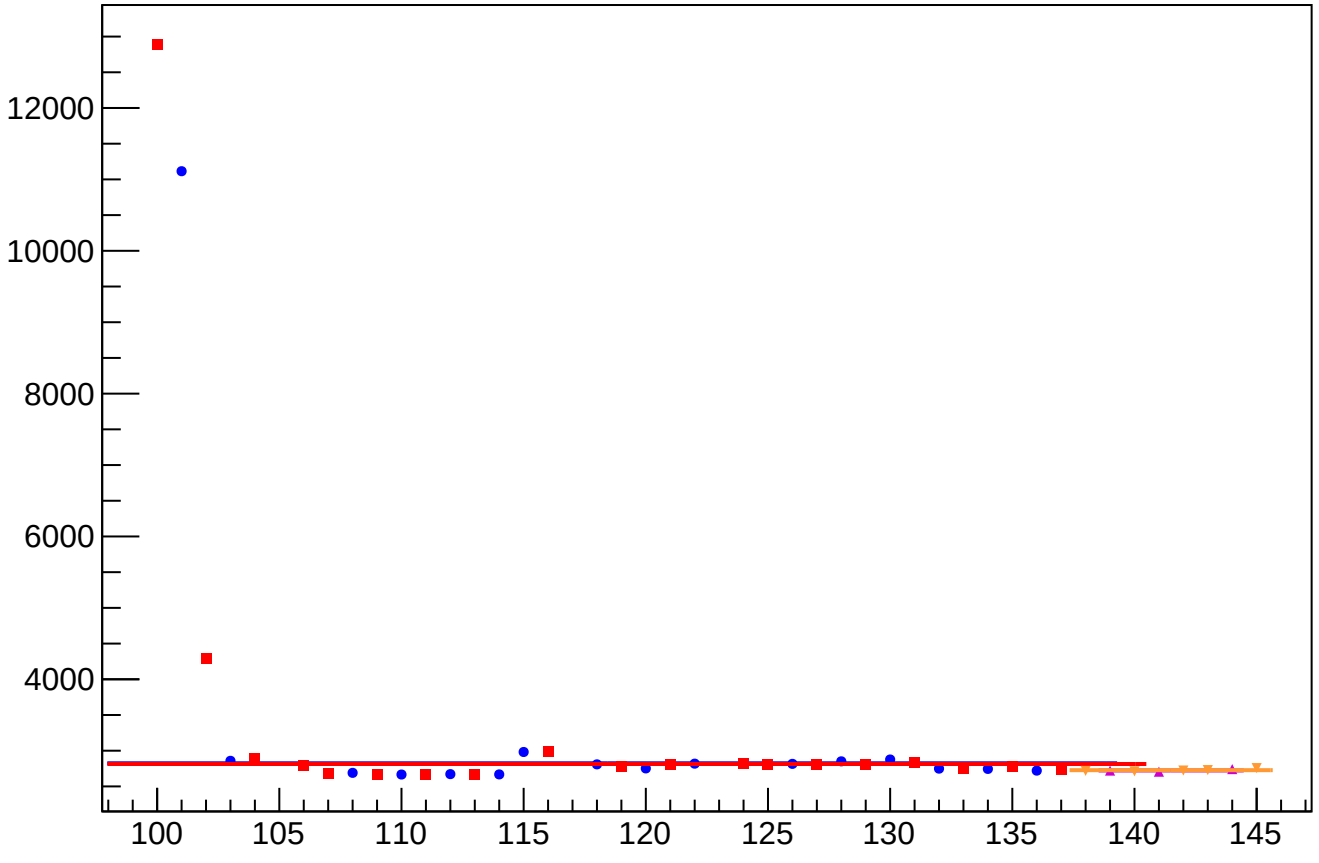
Left In: -5310.209+/-1678.658 χ^2/NDF:0.9/2

+ sign 2164.278+/-857.994 χ^2/NDF: 19.1/20

All: -517.195+/-617.738 χ^2/NDF: 52.1/42

- sign -3403.221+/-890.118 χ^2/NDF: 12.7/21

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

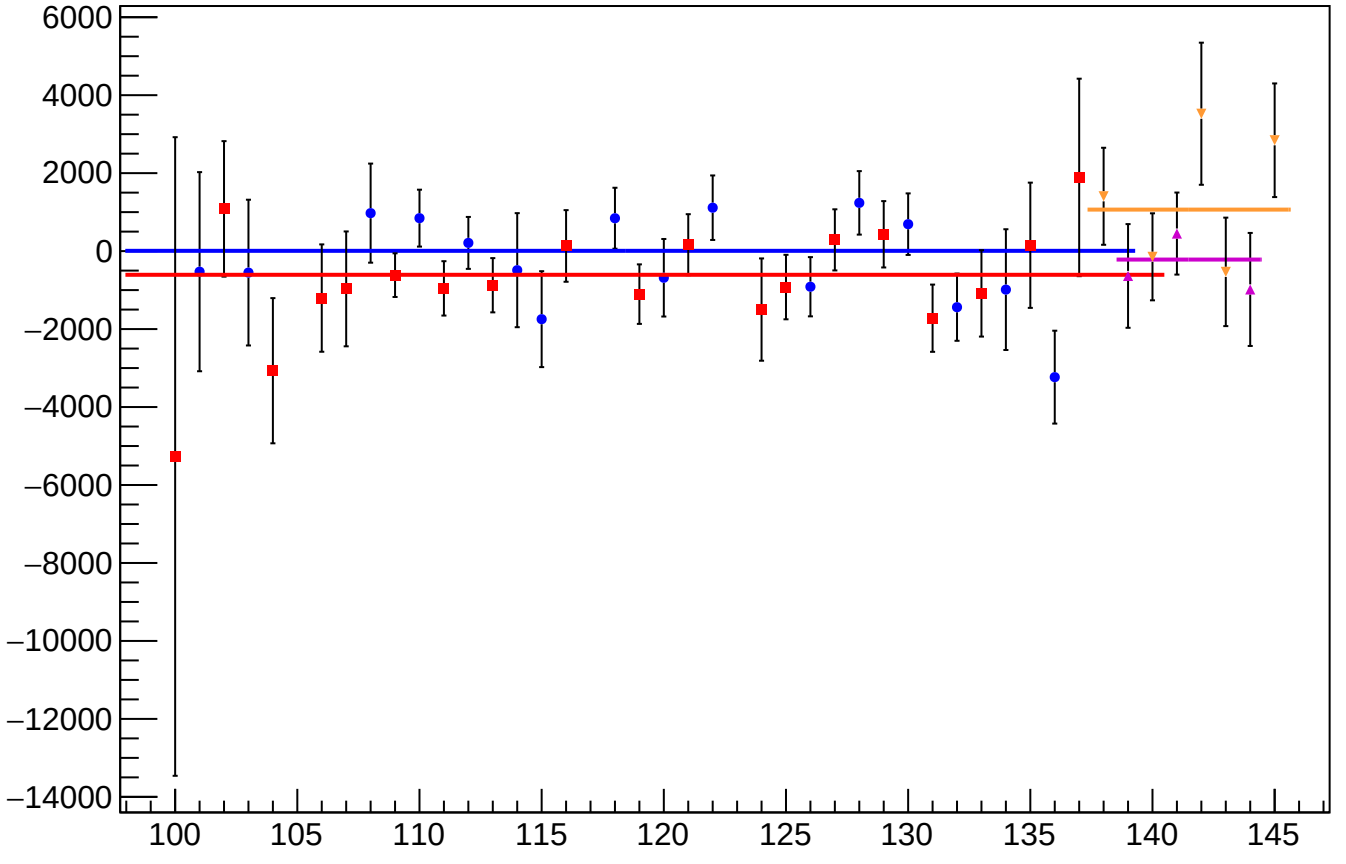
Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2723.369+/-1.187 χ^2/NDF:159.6/2

+ sign 2788.297+/-0.607 χ^2/NDF: 750007.6/20

All: 2788.341+/-0.437 χ^2/NDF: 954853.1/42

- sign 2788.389+/-0.629 χ^2/NDF: 204845.4/21



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

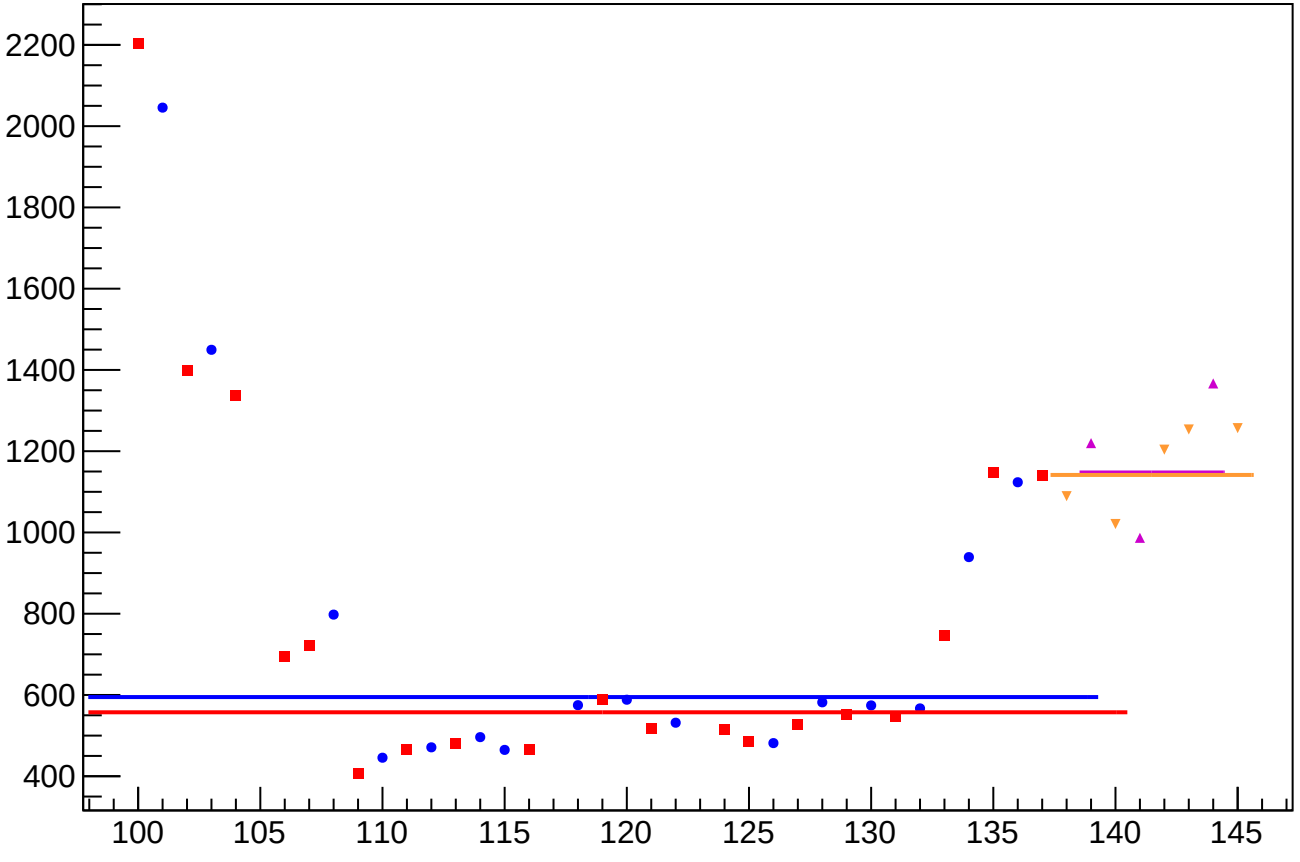
Left In: -216.961+/-717.268 χ^2/NDF:0.8/2

+ sign 148.464+/-221.013 χ^2/NDF: 31.3/20

All: -235.491+/-151.387 χ^2/NDF: 50.2/42

- sign -574.861+/-207.785 χ^2/NDF: 13.2/21

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

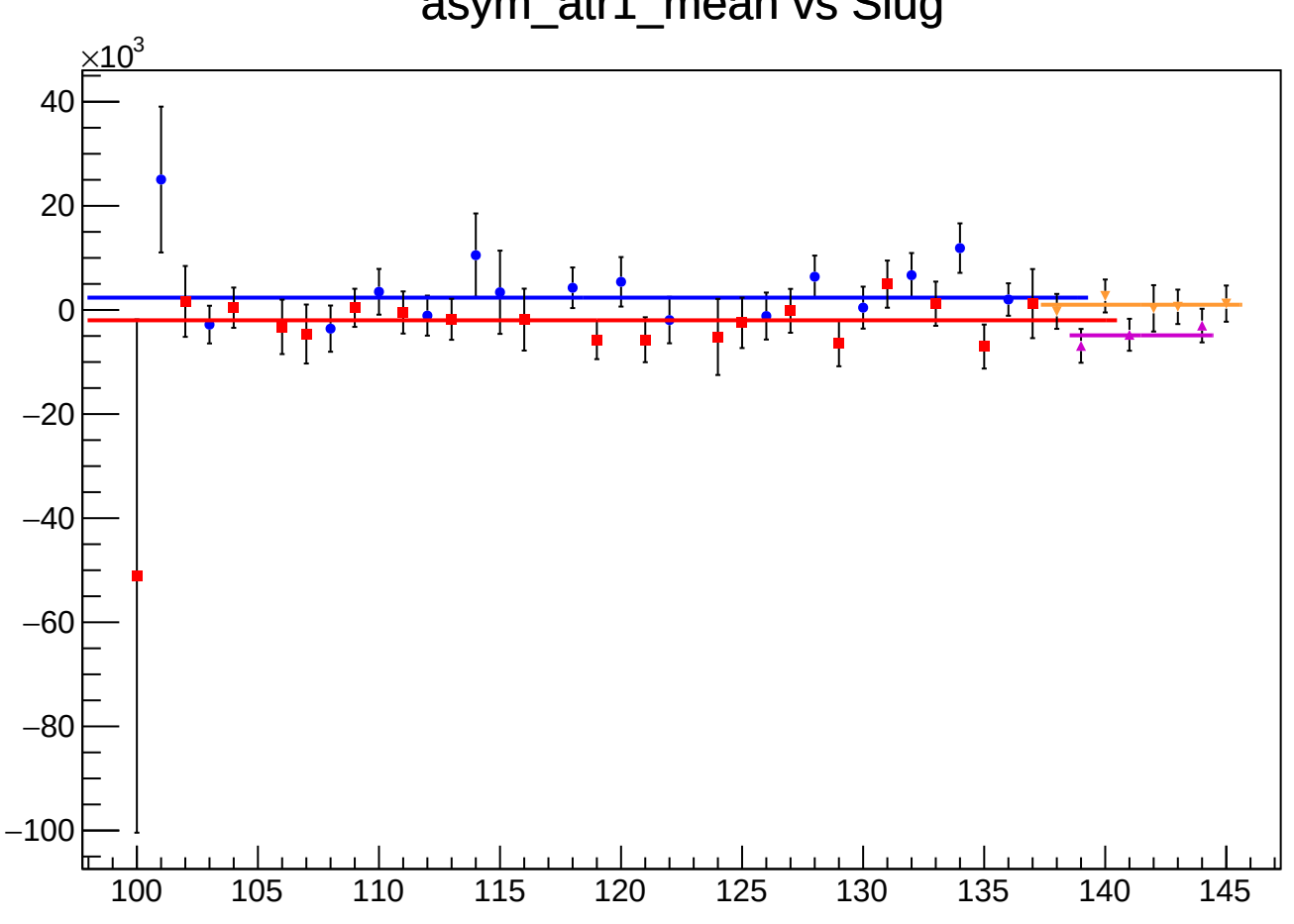
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 1147.597+/-0.507 χ^2/NDF:98259.4/2

+ sign 667.949+/-0.156 χ^2/NDF: 3324716.4/20

All: 635.557+/-0.107 χ^2/NDF: 6375720.7/42

- sign 606.927+/-0.147 χ^2/NDF: 2970072.7/21



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

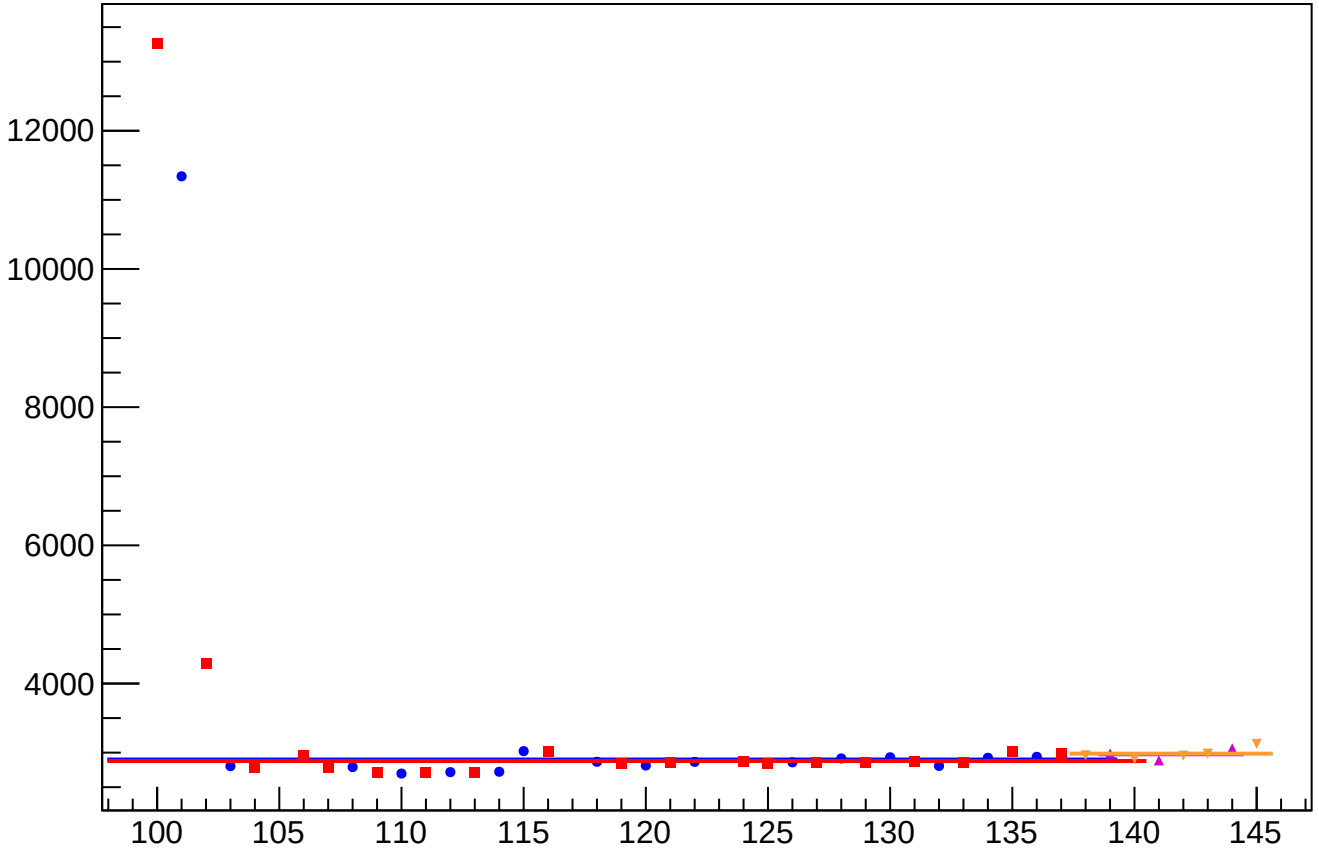
Left In: -4875.341+/-1835.661 χ^2/NDF:0.7/2

+ sign 1909.092+/-901.304 χ^2/NDF: 17.8/20

All: -340.722+/-646.495 χ^2/NDF: 43.5/42

- sign -2724.945+/-927.837 χ^2/NDF: 12.9/21

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

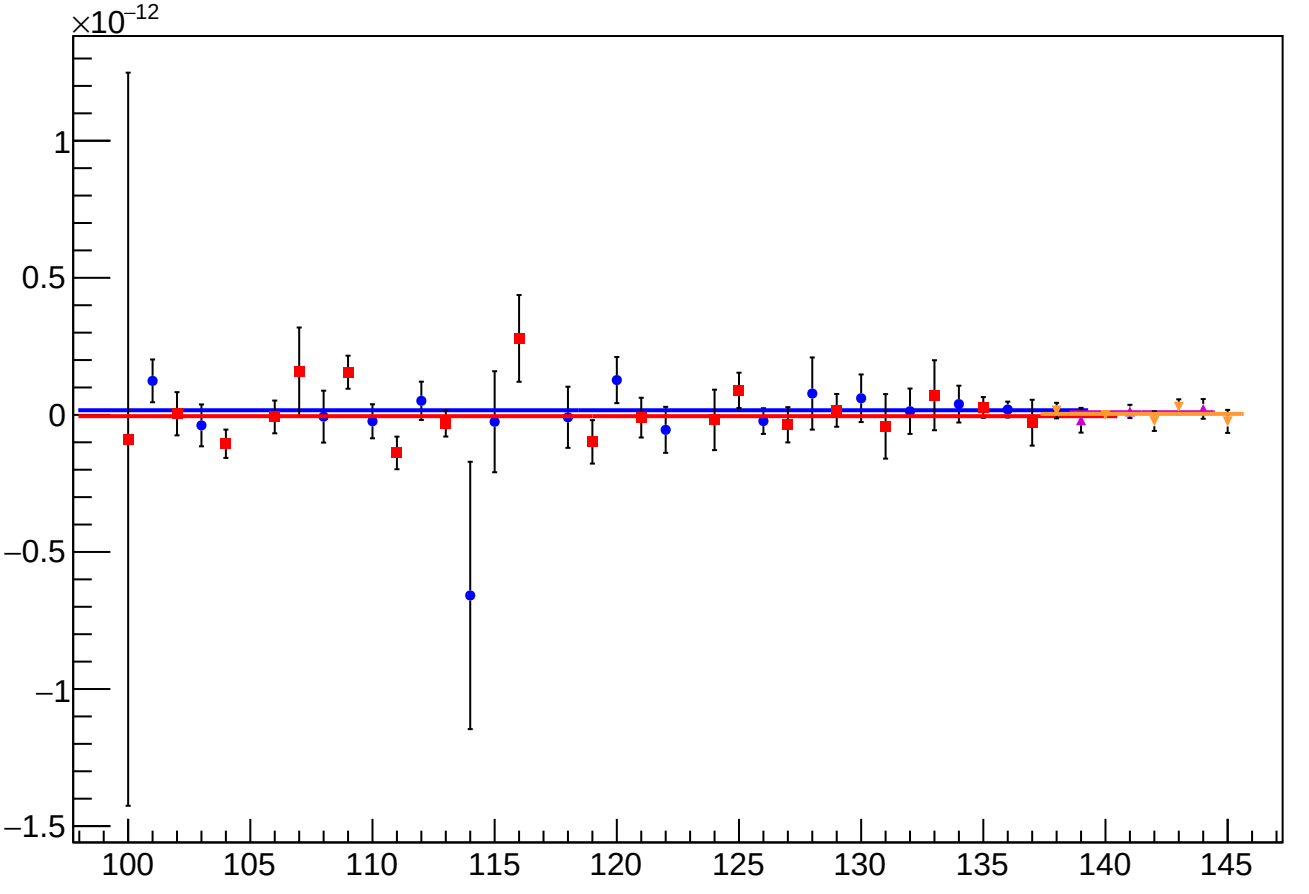
Left In: 2976.284+/-1.298 χ^2/NDF:3095.6/2

+ sign 2928.586+/-0.637 χ^2/NDF: 750625.2/20

All: 2916.563+/-0.457 χ^2/NDF: 951922.1/42

- sign 2903.822+/-0.656 χ^2/NDF: 200563.9/21

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

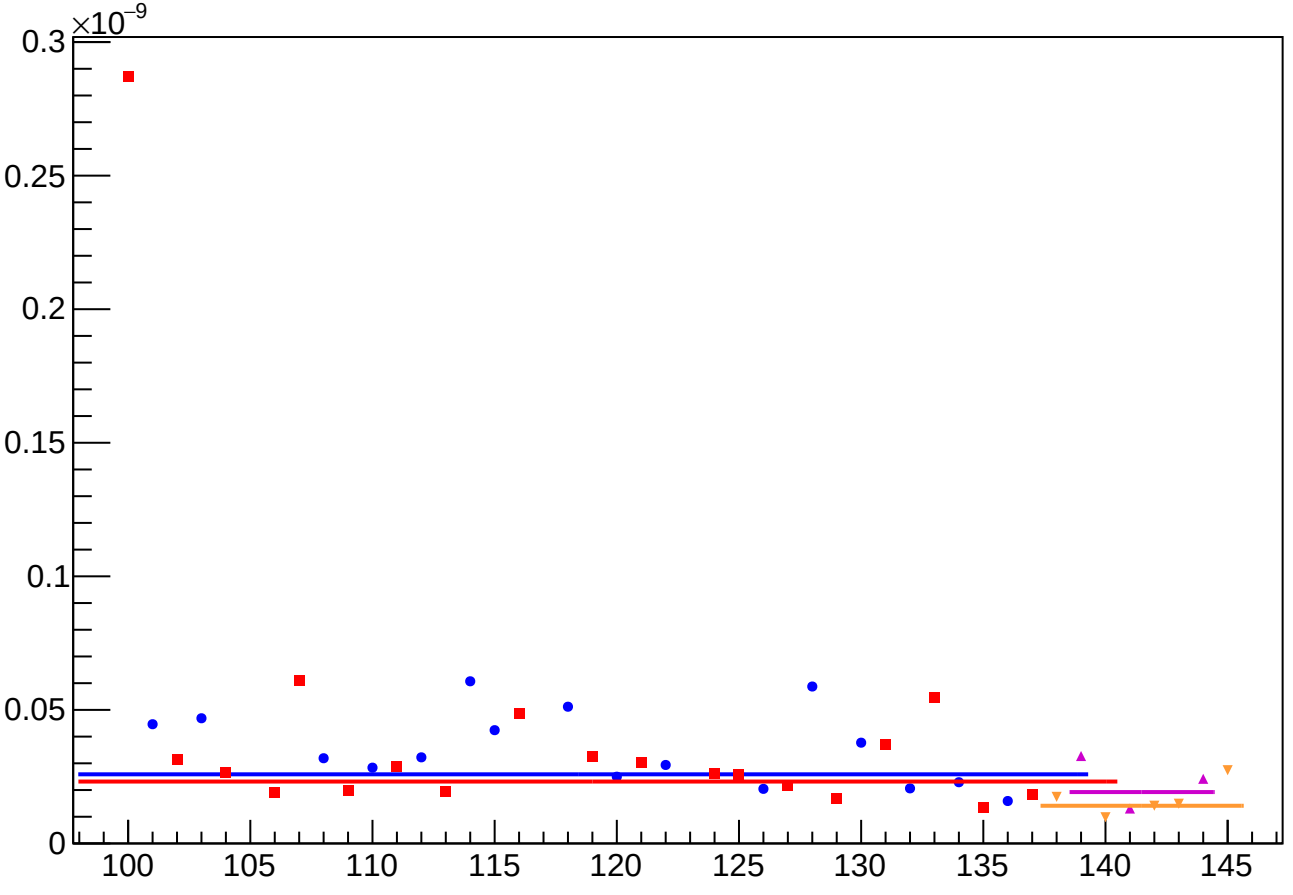
Left In: 0.000+/-0.000 χ^2/NDF:0.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 11.4/20

All: 0.000+/-0.000 χ^2/NDF: 38.2/42

- sign 0.000+/-0.000 χ^2/NDF: 26.6/21

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:339236.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

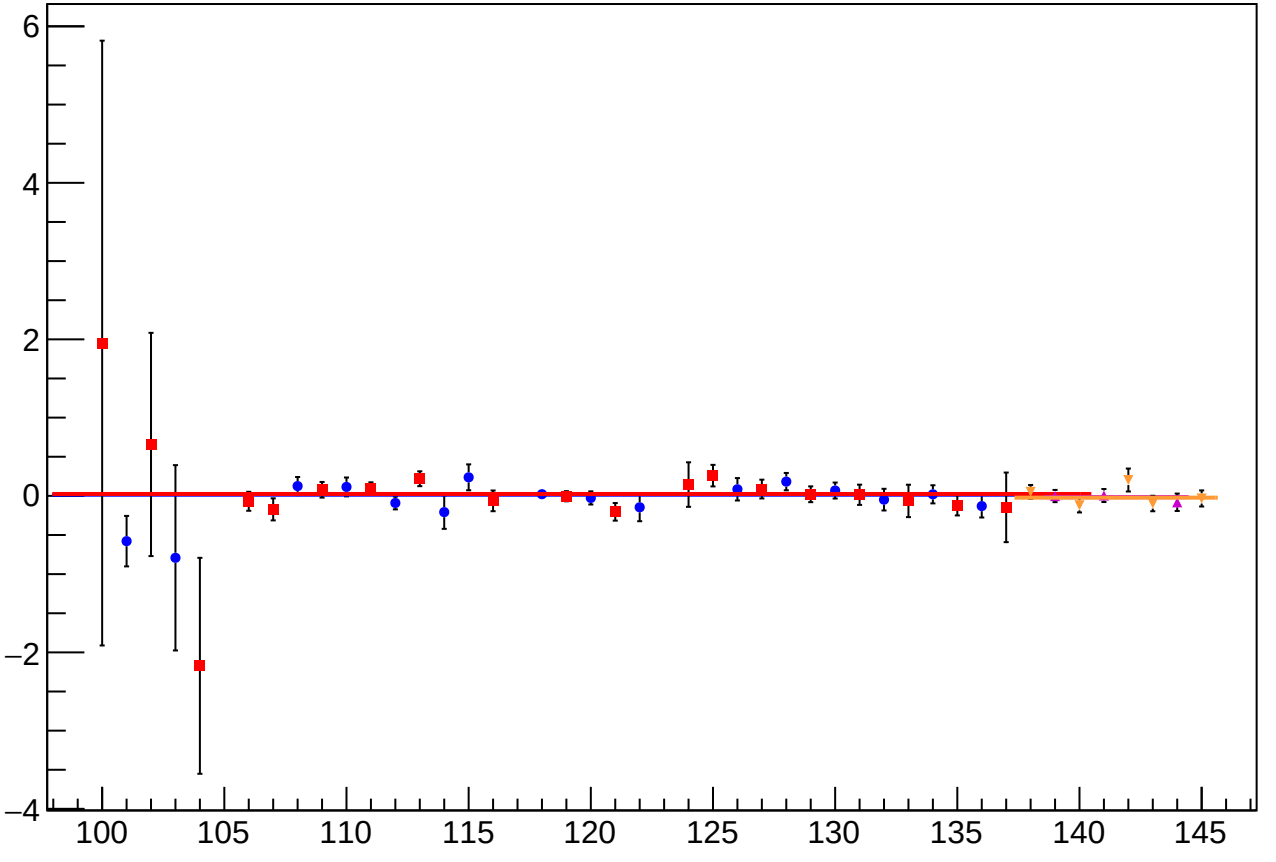
Left In: 0.000+/-0.000 χ^2/NDF:346290.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 1848662.2/20

All: 0.000+/-0.000 χ^2/NDF: 3034702.4/42

- sign 0.000+/-0.000 χ^2/NDF: 1088349.4/21

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

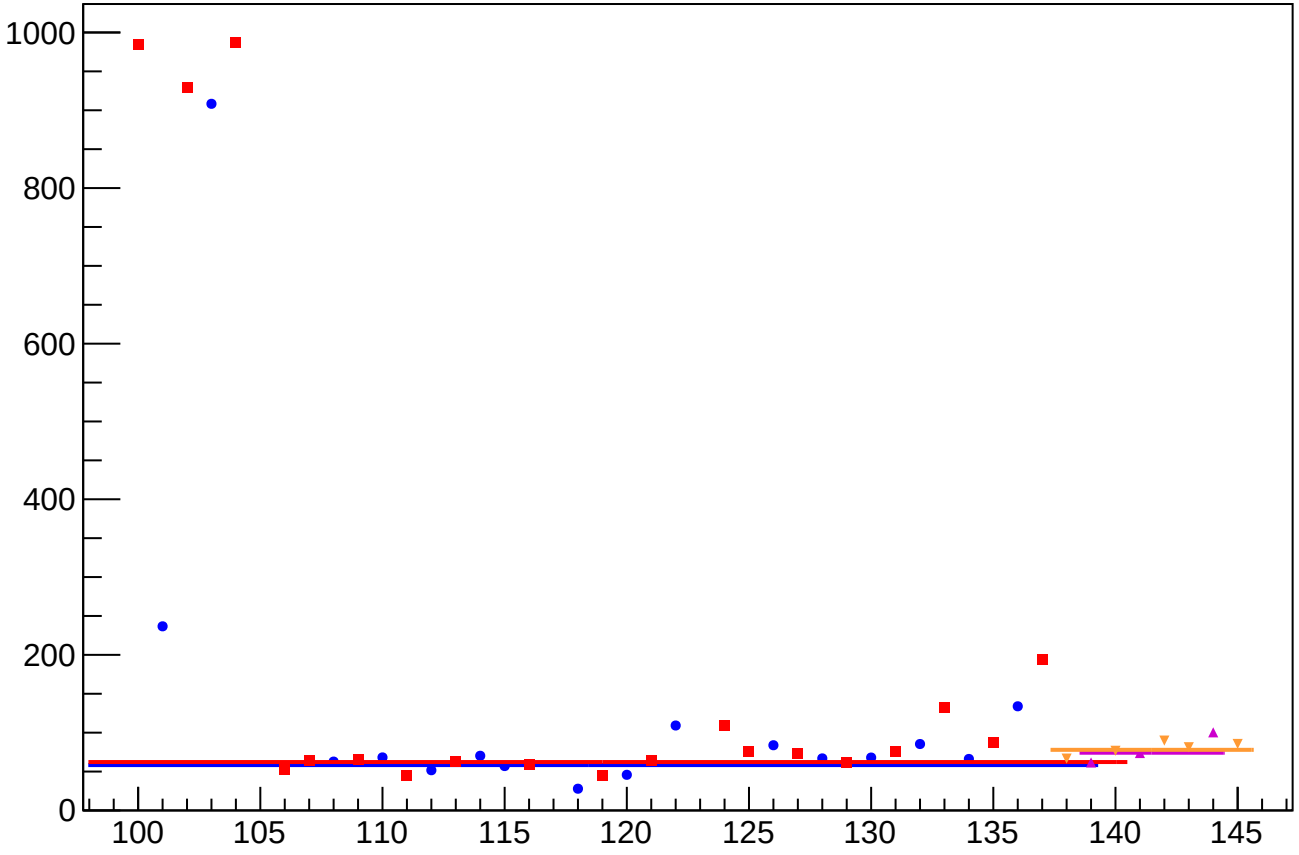
Left In: -0.016+/-0.051 χ^2/NDF:0.4/2

+ sign 0.005+/-0.024 χ^2/NDF: 20.3/20

All: 0.009+/-0.017 χ^2/NDF: 42.1/42

- sign 0.015+/-0.025 χ^2/NDF: 21.7/21

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

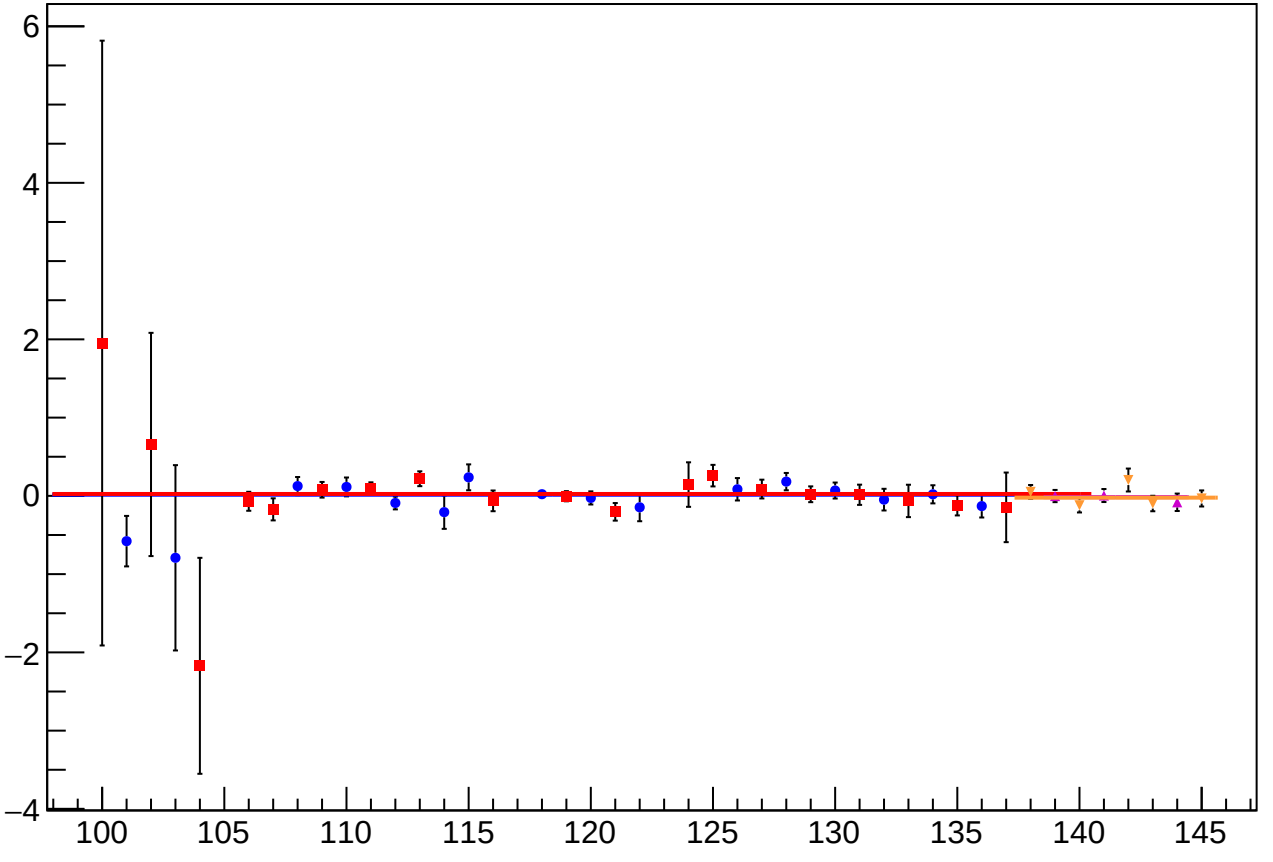
Left In: 74.217+/-0.036 χ^2/NDF:162220.0/2

\+ sign 63.720+/-0.017 χ^2/NDF: 3593756.6/20

All: 64.357+/-0.012 χ^2/NDF: 6471583.0/42

\- sign 65.041+/-0.017 χ^2/NDF: 2874824.8/21

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

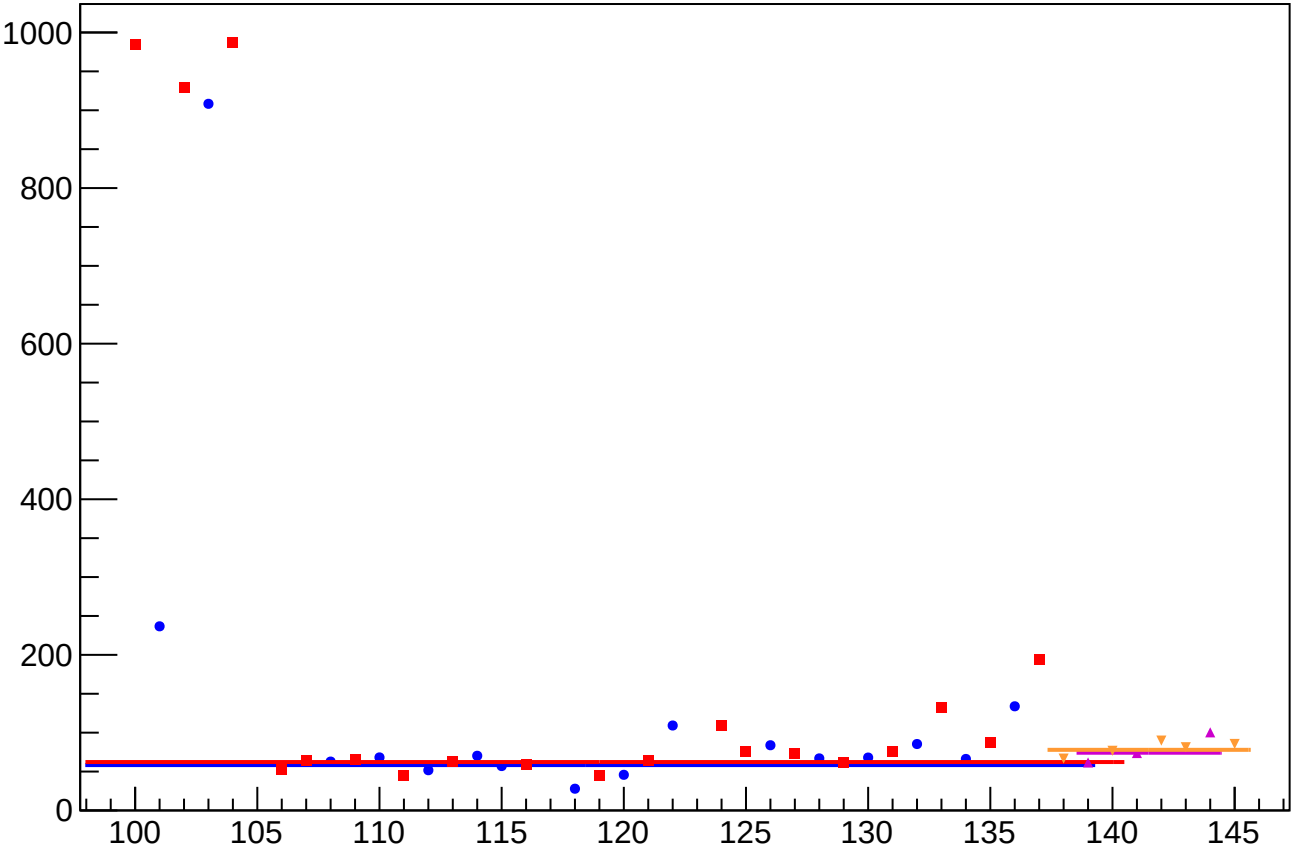
Left In: -0.016+/-0.051 χ^2/NDF:0.4/2

\+ sign 0.005+/-0.024 χ^2/NDF: 20.3/20

All: 0.009+/-0.017 χ^2/NDF: 42.1/42

\- sign 0.015+/-0.025 χ^2/NDF: 21.7/21

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

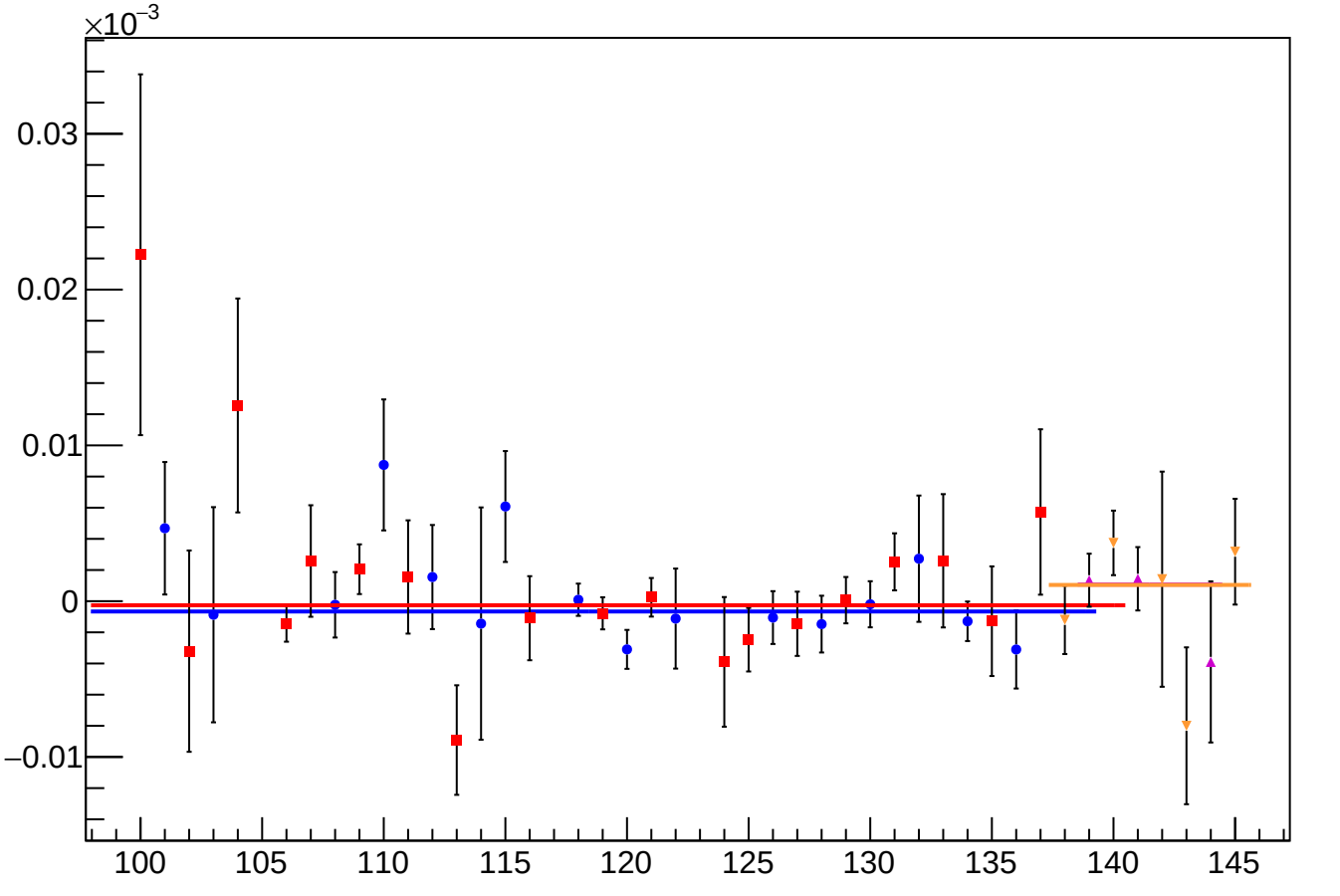
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 74.217+/-0.036 χ^2/NDF:162220.0/2

+ sign 63.720+/-0.017 χ^2/NDF: 3593756.6/20

All: 64.357+/-0.012 χ^2/NDF: 6471583.0/42

- sign 65.041+/-0.017 χ^2/NDF: 2874824.8/21



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

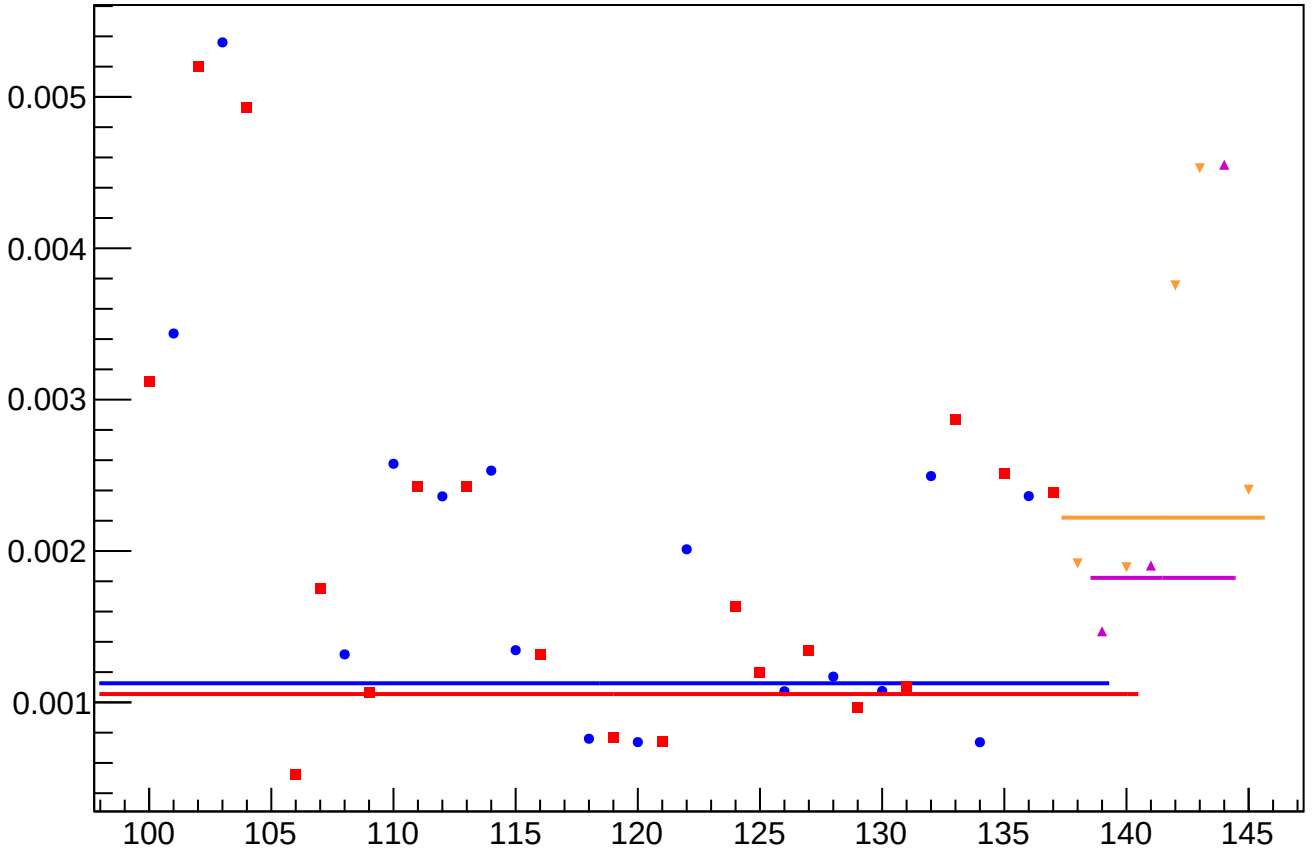
Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/20

All: -0.000+/-0.000 χ^2/NDF: 51.9/42

- sign -0.000+/-0.000 χ^2/NDF: 26.5/21

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

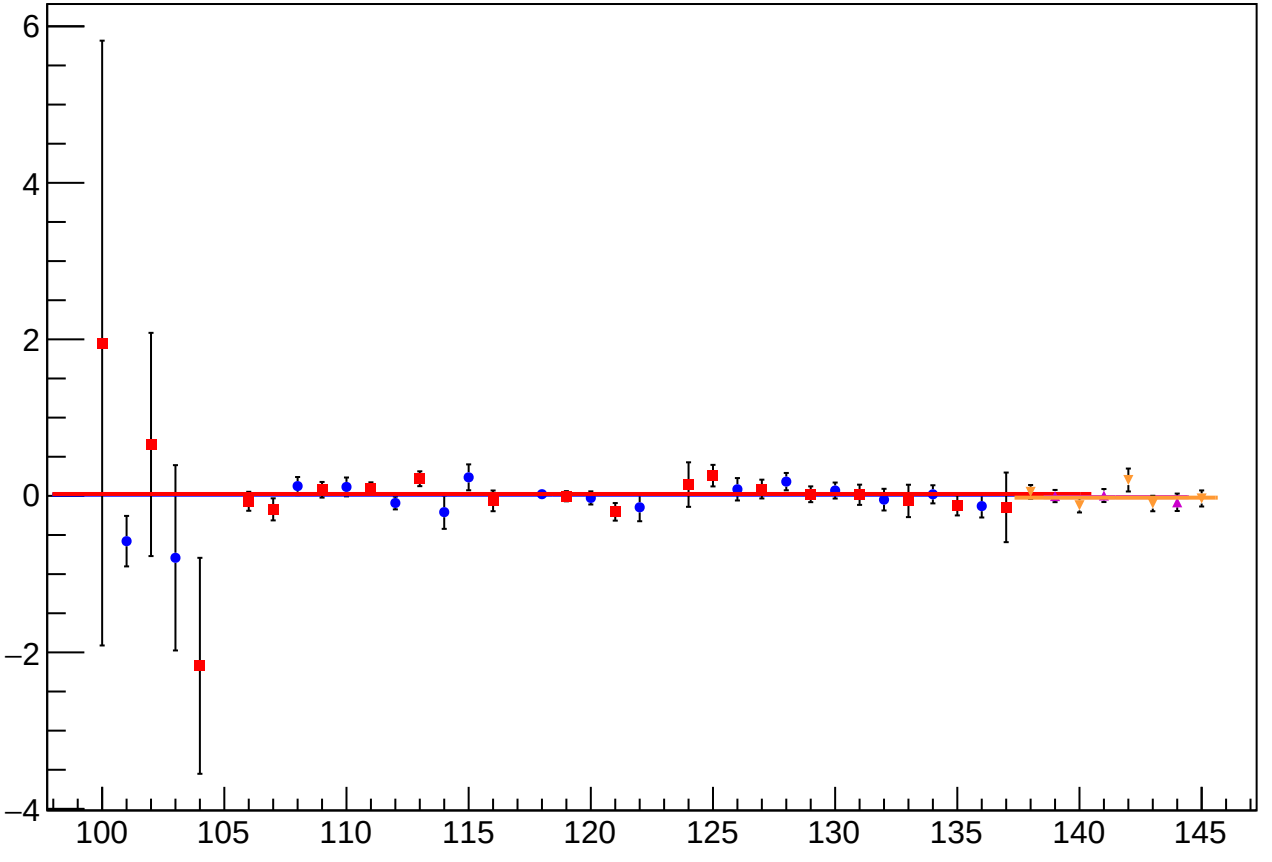
Left In: 0.002+/-0.000 χ^2/NDF:646303.1/2

+ sign 0.001+/-0.000 χ^2/NDF: 5300135.1/20

All: 0.001+/-0.000 χ^2/NDF: 10509952.2/42

- sign 0.001+/-0.000 χ^2/NDF: 5143391.6/21

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

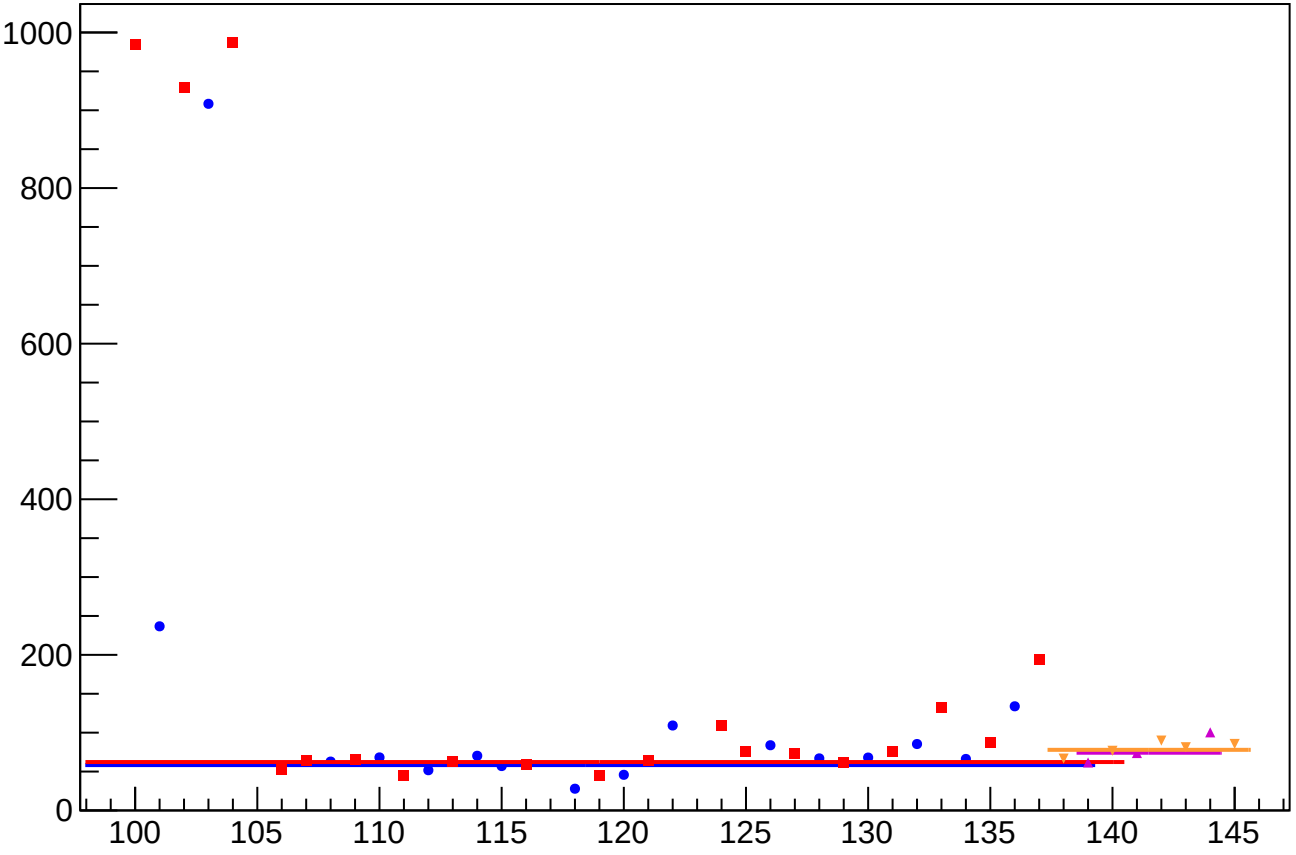
Left In: -0.016+/-0.051 χ^2/NDF:0.4/2

+ sign 0.005+/-0.024 χ^2/NDF: 20.3/20

All: 0.009+/-0.017 χ^2/NDF: 42.1/42

- sign 0.015+/-0.025 χ^2/NDF: 21.7/21

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

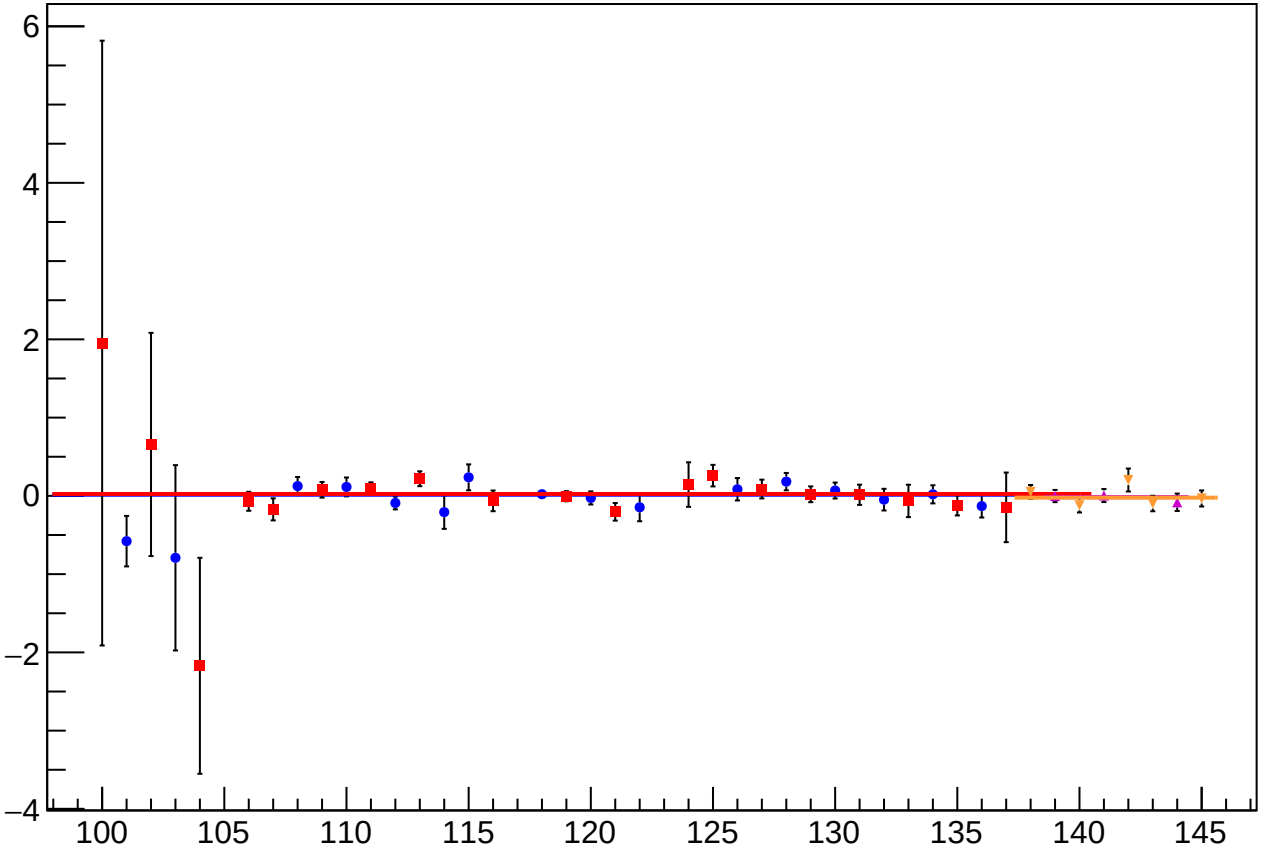
Left In: 74.218+/-0.036 χ^2/NDF:162217.6/2

+ sign 63.719+/-0.017 χ^2/NDF: 3593848.2/20

All: 64.357+/-0.012 χ^2/NDF: 6471678.6/42

- sign 65.041+/-0.017 χ^2/NDF: 2874825.1/21

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

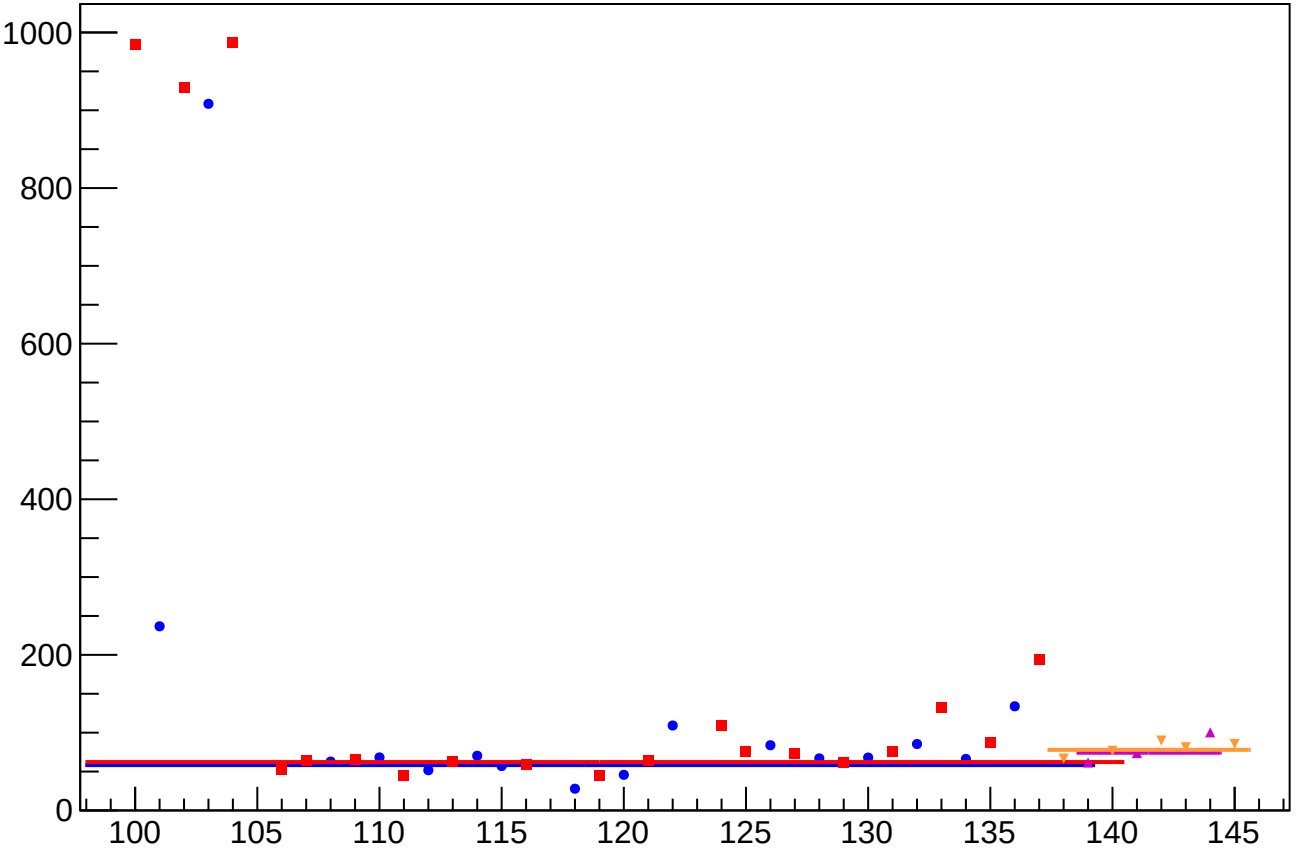
Left In: -0.016+/-0.051 χ^2/NDF:0.4/2

+ sign 0.005+/-0.024 χ^2/NDF: 20.3/20

All: 0.009+/-0.017 χ^2/NDF: 42.1/42

- sign 0.015+/-0.025 χ^2/NDF: 21.7/21

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

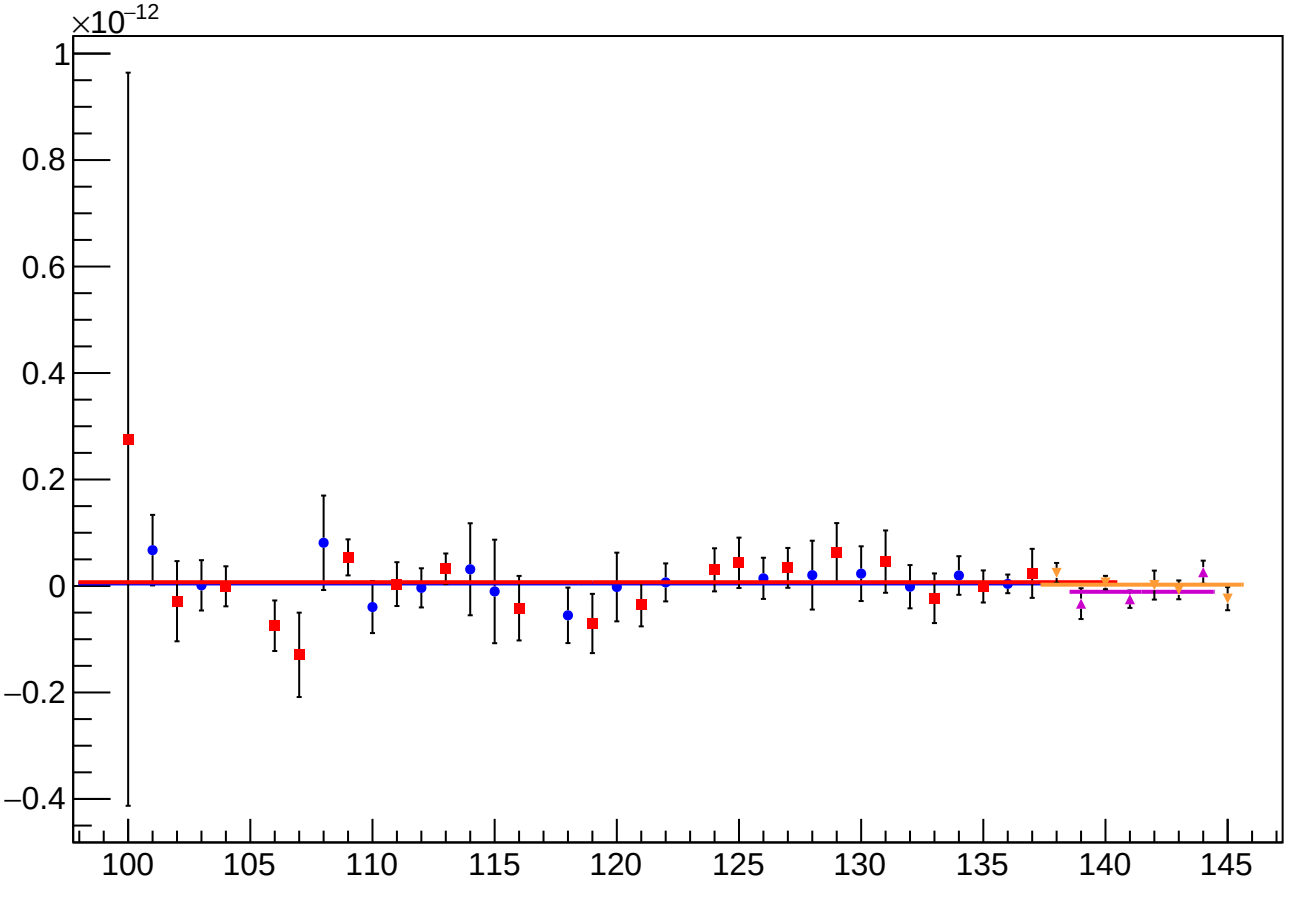
Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 74.218+/-0.036 χ^2/NDF:162217.6/2

+ sign 63.719+/-0.017 χ^2/NDF: 3593848.2/20

All: 64.357+/-0.012 χ^2/NDF: 6471678.6/42

- sign 65.041+/-0.017 χ^2/NDF: 2874825.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/4

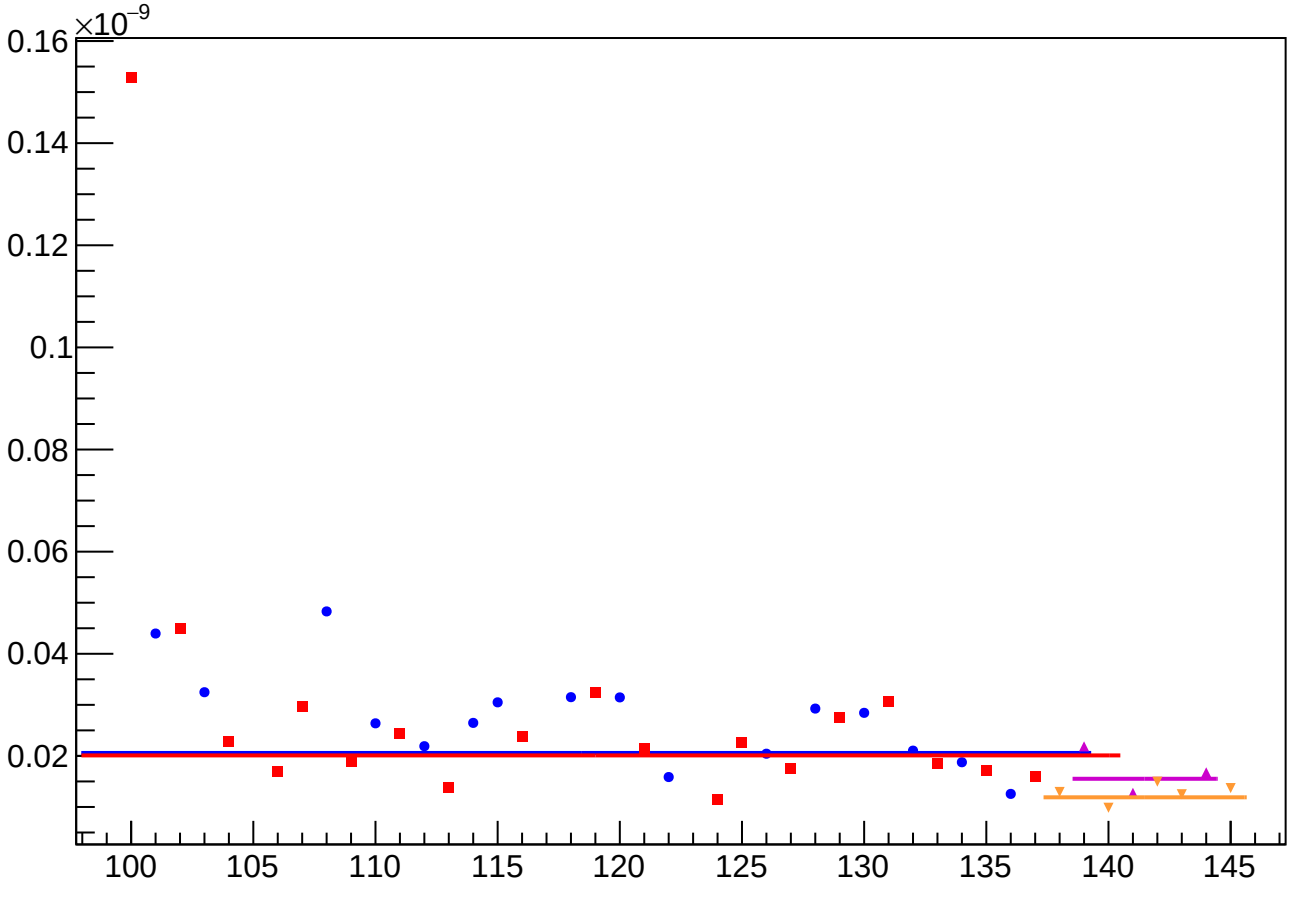
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 7.7/20

All: 0.000+/-0.000 χ^2/NDF: 29.5/42

- sign -0.000+/-0.000 χ^2/NDF: 21.7/21



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

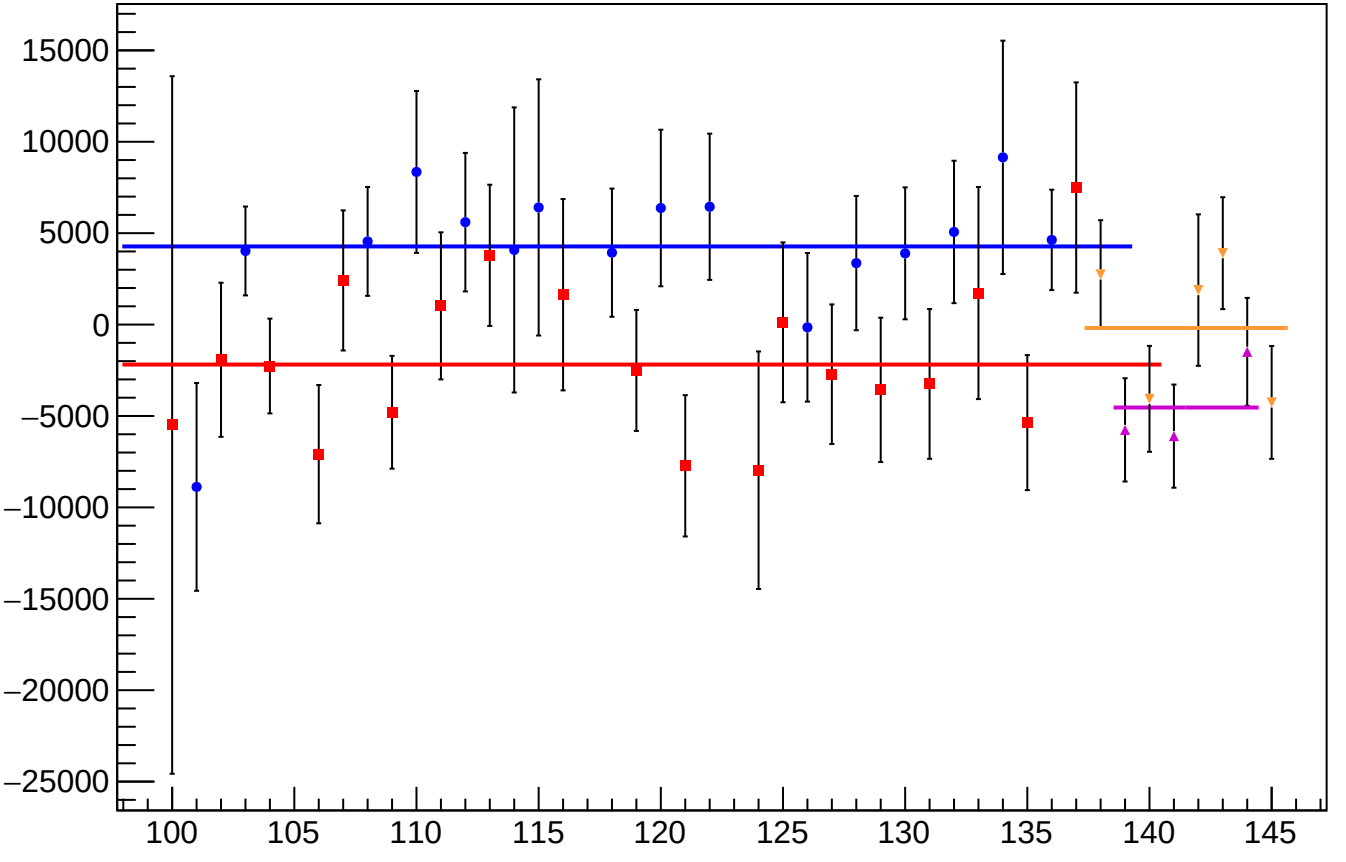
Left In: 0.000+/-0.000 χ^2/NDF:159768.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 2317273.0/20

All: 0.000+/-0.000 χ^2/NDF: 3646197.6/42

- sign 0.000+/-0.000 χ^2/NDF: 1144045.4/21

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

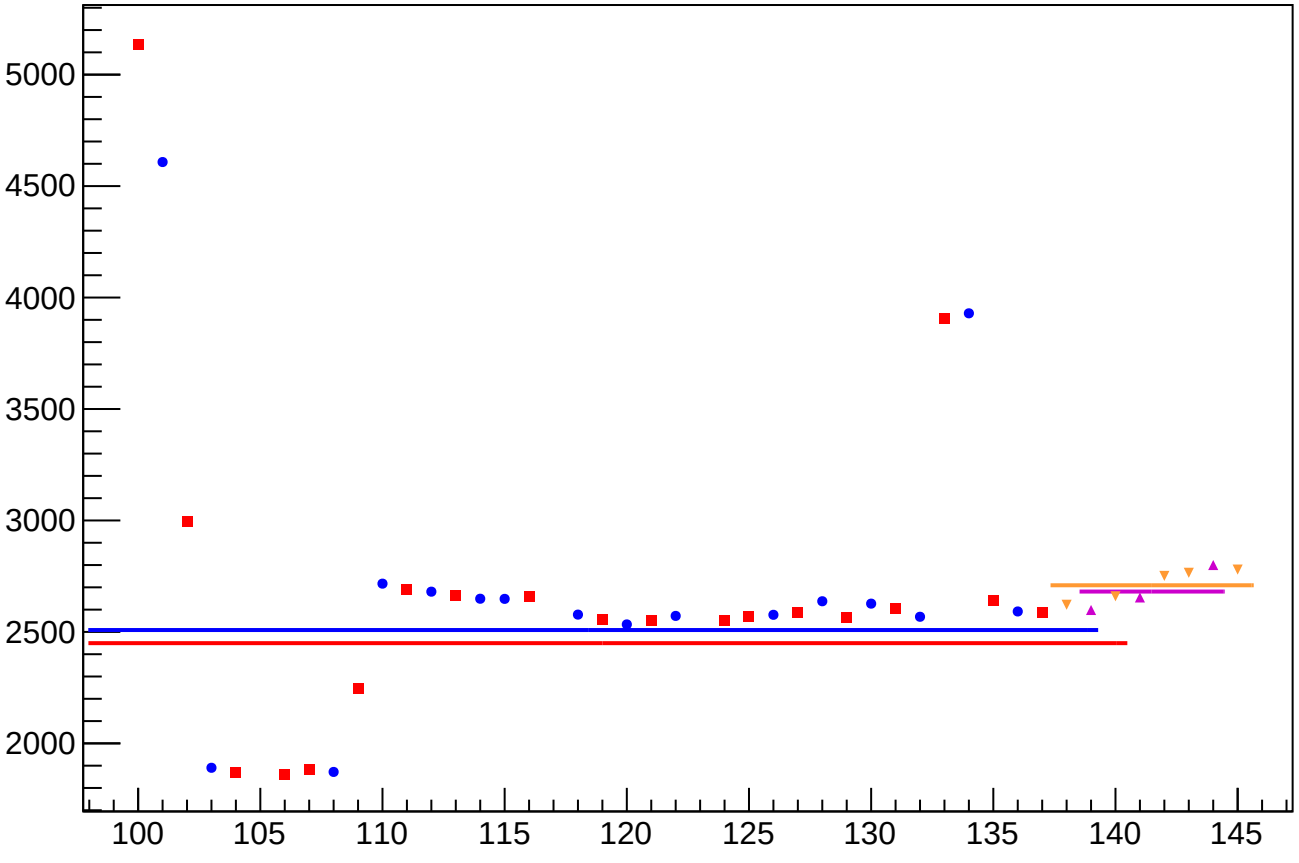
Left In: -4537.363+/-1653.428 χ^2/NDF:1.6/2

+ sign 2878.766+/-789.056 χ^2/NDF: 22.3/20

All: 124.762+/-563.613 χ^2/NDF: 65.1/42

- sign -2744.028+/-805.332 χ^2/NDF: 17.9/21

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

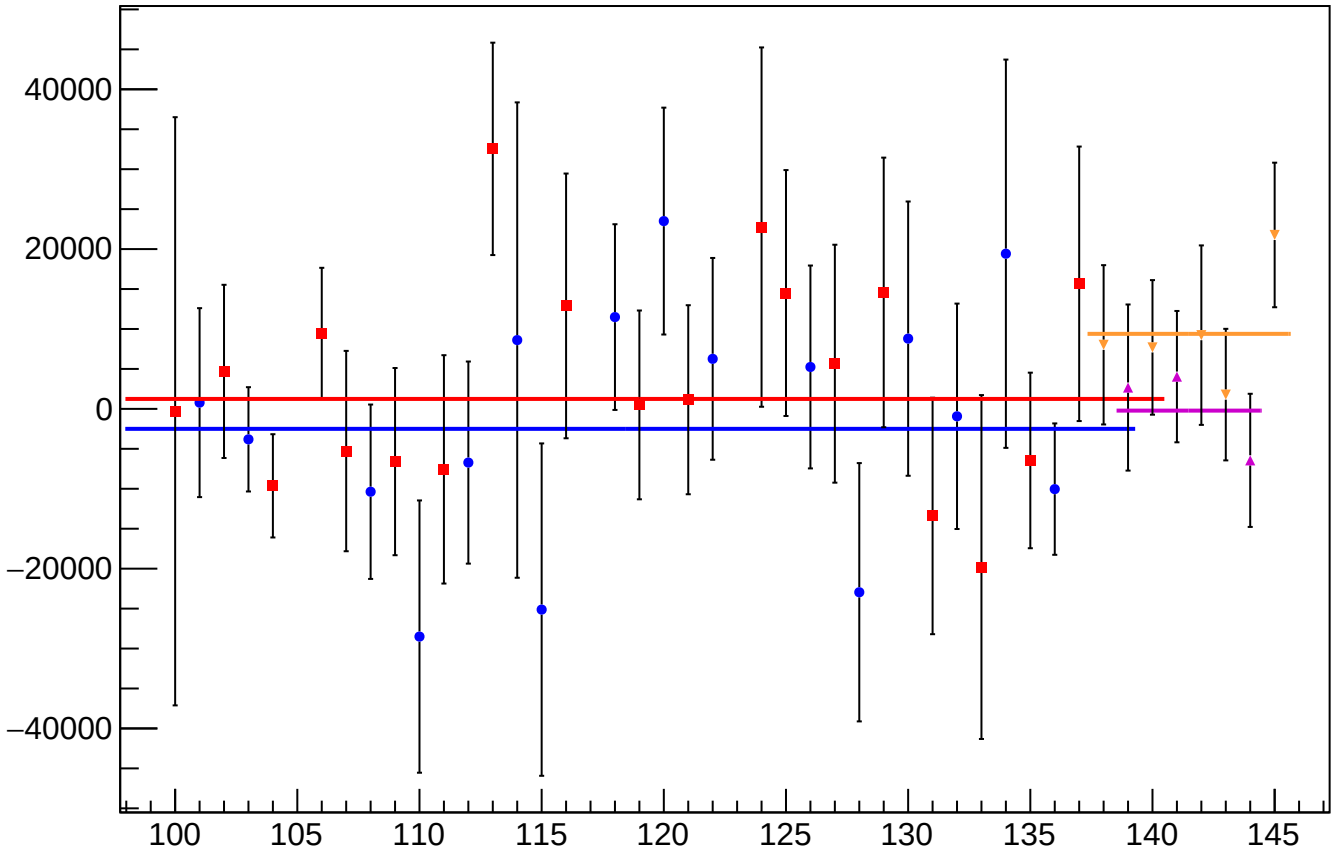
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2681.073+/-1.169 χ^2/NDF:5141.3/2

+ sign 2571.308+/-0.558 χ^2/NDF: 643670.9/20

All: 2538.601+/-0.399 χ^2/NDF: 1122621.8/42

- sign 2504.531+/-0.569 χ^2/NDF: 471935.0/21



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 9390.147+/-4115.004 χ^2/NDF:2.8/4

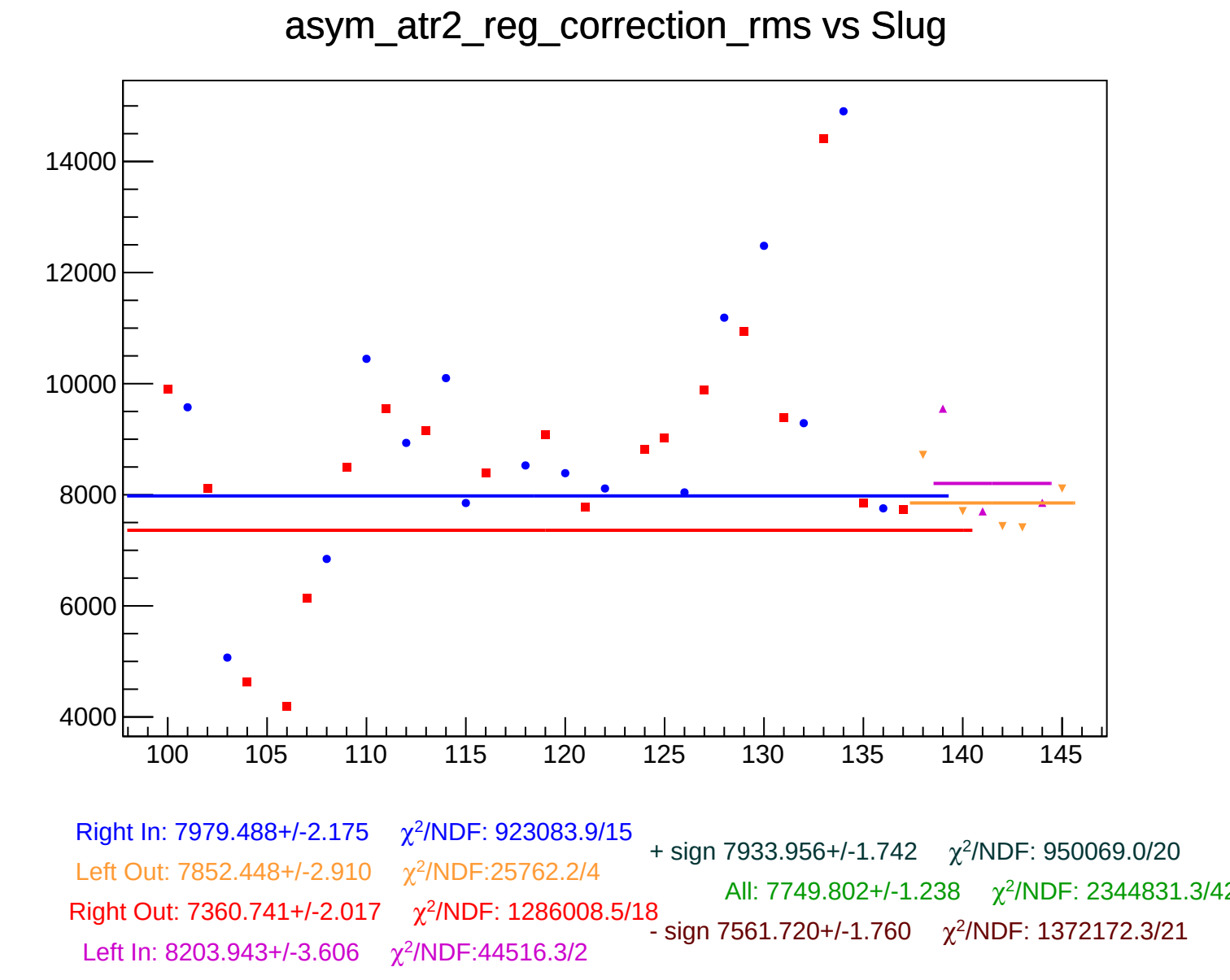
Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

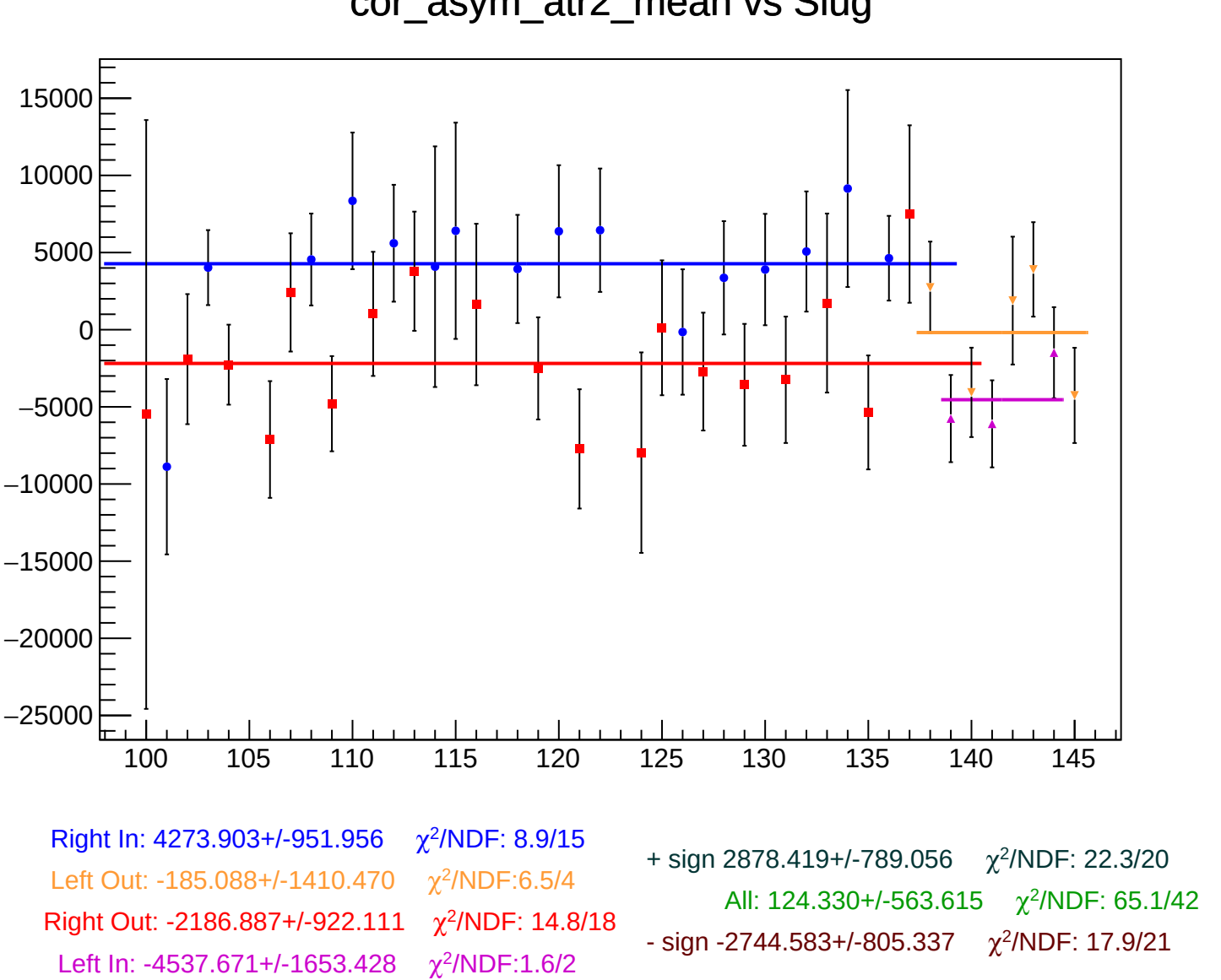
Left In: -218.239+/-5099.520 χ^2/NDF:0.9/2

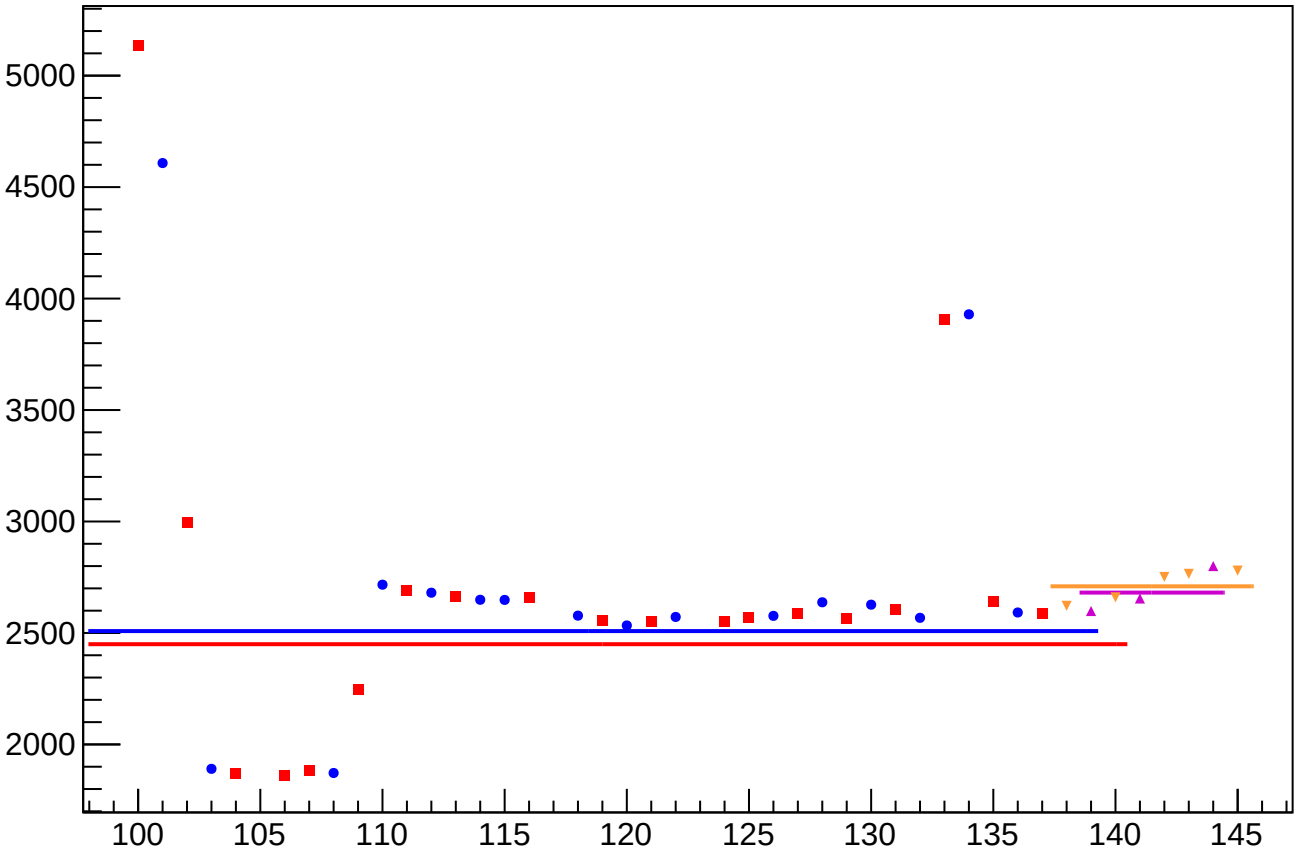
+ sign 1761.105+/-2463.527 χ^2/NDF: 21.9/20

All: 1332.987+/-1751.141 χ^2/NDF: 39.5/42

- sign 895.740+/-2489.654 χ^2/NDF: 17.6/21


asym_atr2_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
105
110
115
120
125
130
135
140
145
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 7852.448+/-2.910 χ²/NDF:25762.2/4
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8203.943+/-3.606 χ²/NDF:44516.3/2
+ sign 7933.956+/-1.742 χ²/NDF: 950069.0/20
All: 7749.802+/-1.238 χ²/NDF: 2344831.3/42
- sign 7561.720+/-1.760 χ²/NDF: 1372172.3/21


cor_asym_atr2_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: -185.088+/-1410.470 χ²/NDF:6.5/4
Right Out: -2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: -4537.671+/-1653.428 χ²/NDF:1.6/2
+ sign 2878.419+/-789.056 χ²/NDF: 22.3/20
All: 124.330+/-563.615 χ²/NDF: 65.1/42
- sign -2744.583+/-805.337 χ²/NDF: 17.9/21



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2709.263+/-0.997 χ^2/NDF:4233.2/4

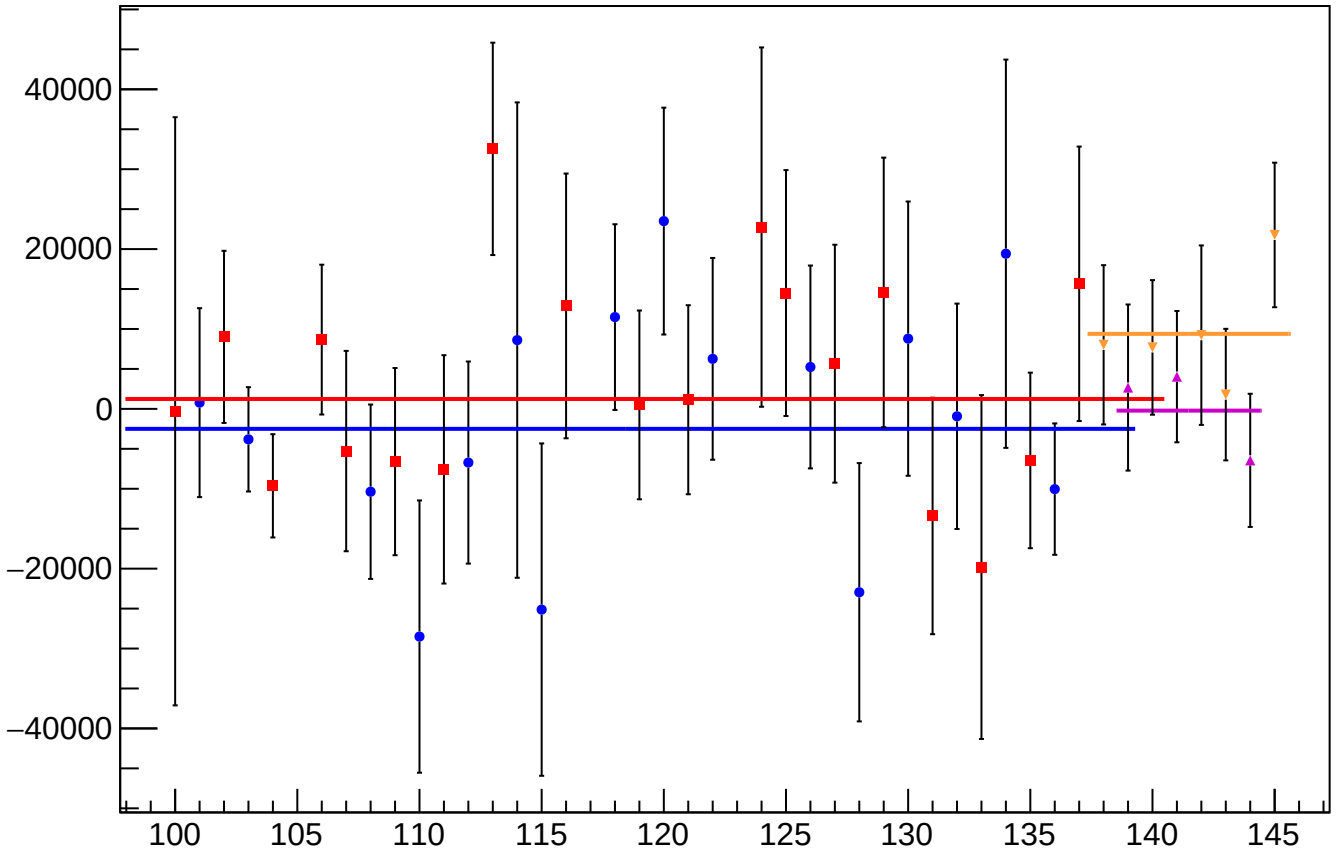
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2681.073+/-1.169 χ^2/NDF:5141.3/2

+ sign 2571.308+/-0.558 χ^2/NDF: 643668.5/20

All: 2538.611+/-0.399 χ^2/NDF: 1122554.6/42

- sign 2504.550+/-0.569 χ^2/NDF: 471874.3/21



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

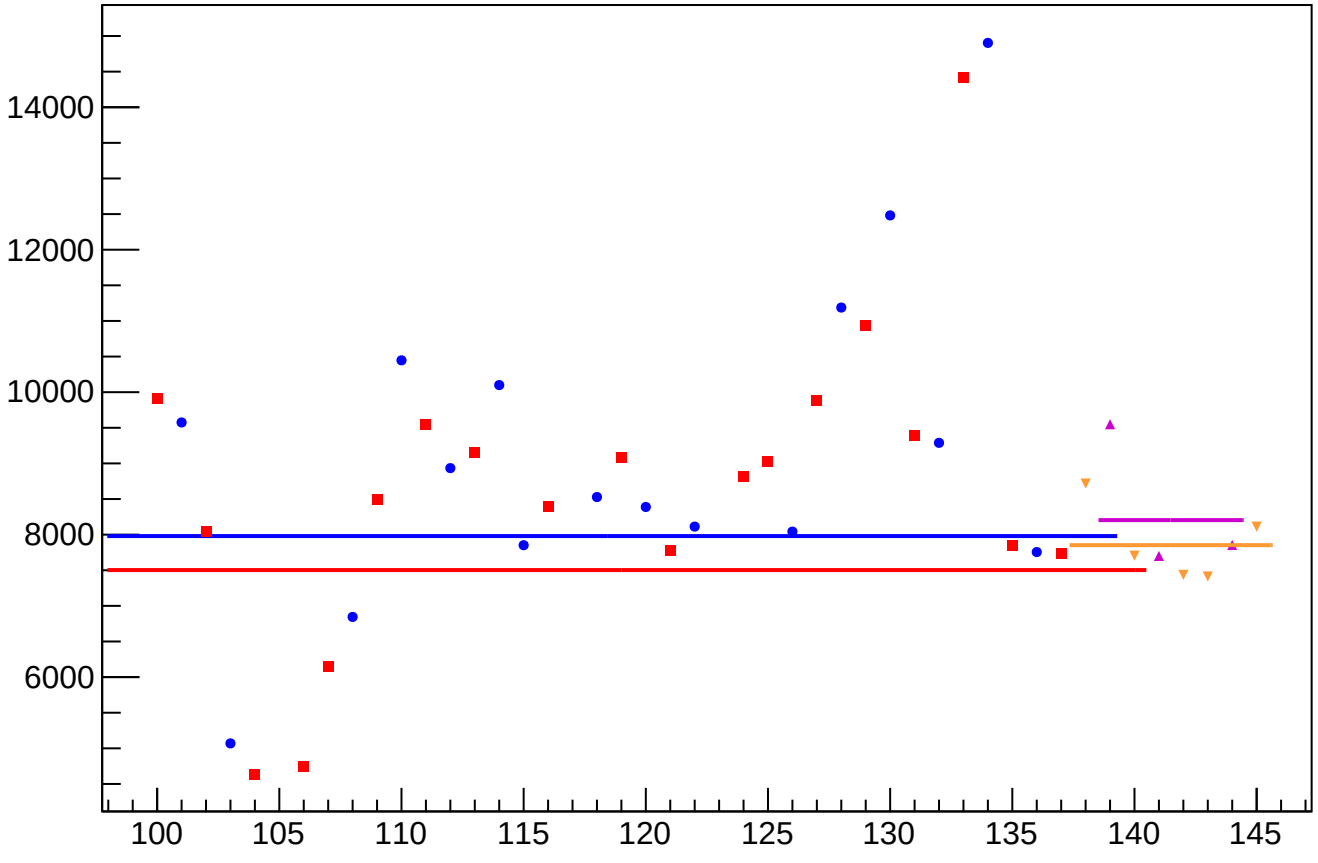
Left In: -218.454+/-5099.513 χ^2/NDF:0.9/2

+ sign 1761.360+/-2463.569 χ^2/NDF: 21.9/20

All: 1332.377+/-1760.452 χ^2/NDF: 39.5/42

- sign 884.733+/-2516.586 χ^2/NDF: 17.6/21

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

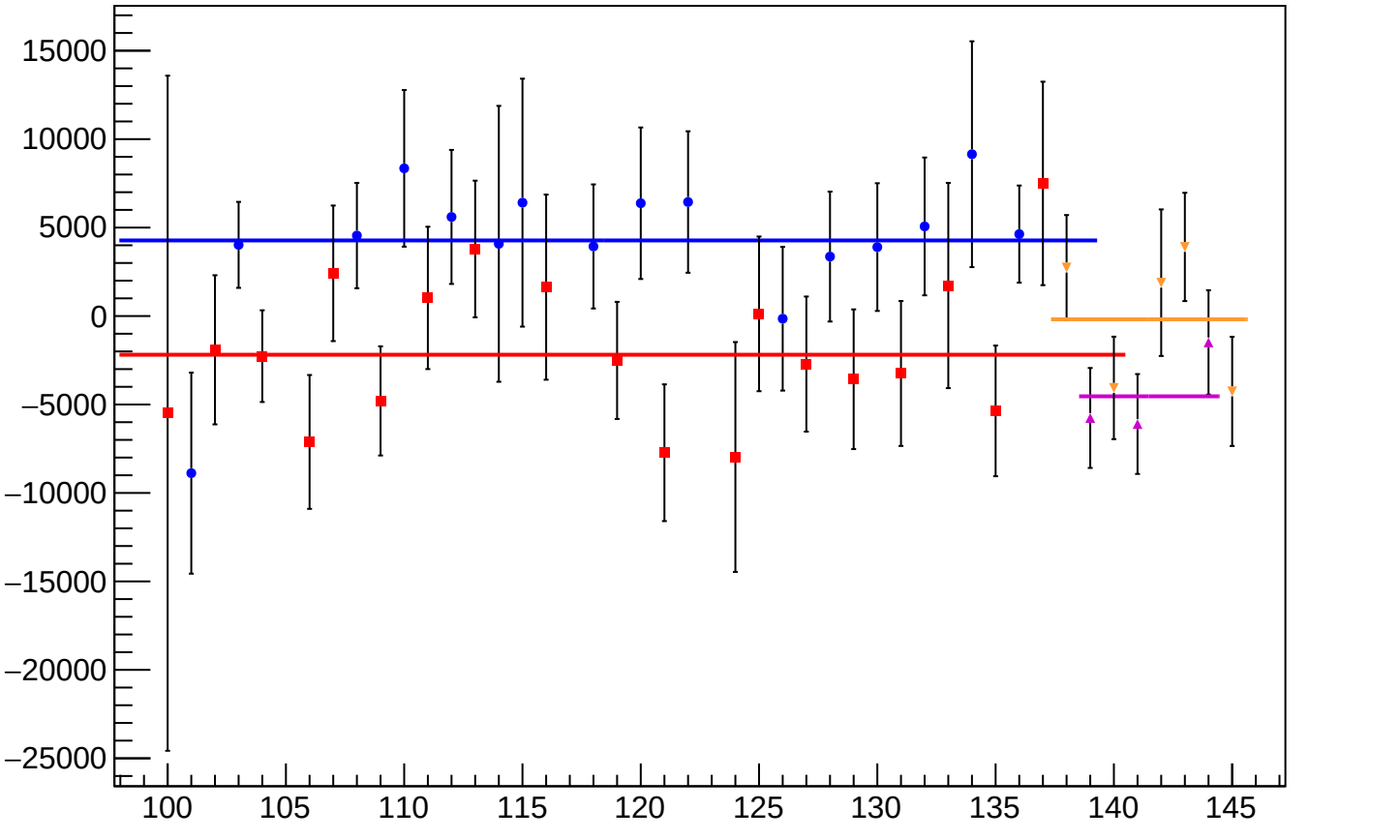
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8203.930+/-3.606 χ^2/NDF:44517.1/2

+ sign 7934.151+/-1.742 χ^2/NDF: 949778.9/20

All: 7806.583+/-1.245 χ^2/NDF: 2169387.0/42

- sign 7673.465+/-1.779 χ^2/NDF: 1208649.4/21



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

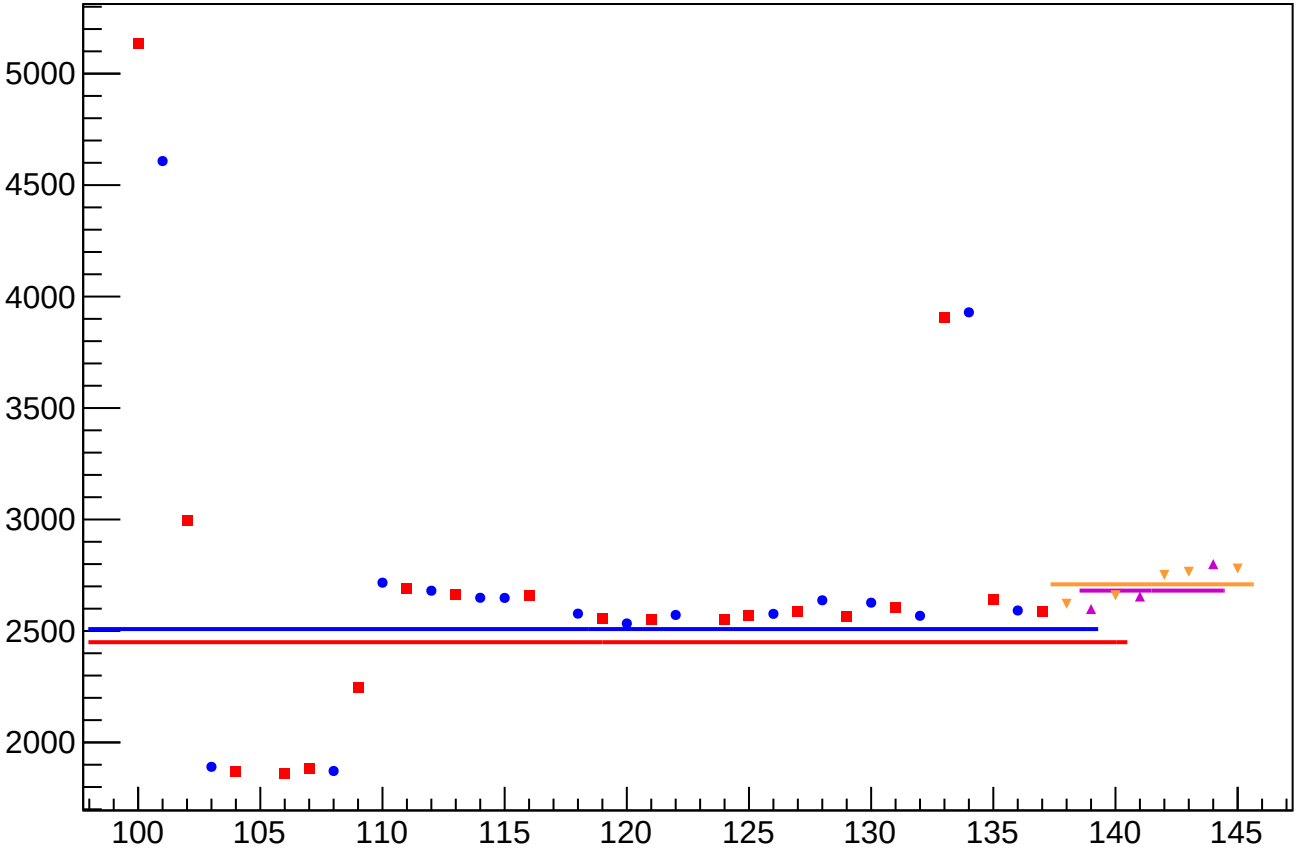
Left In: -4537.671+/-1653.428 χ^2/NDF:1.6/2

+ sign 2878.419+/-789.056 χ^2/NDF: 22.3/20

All: 124.330+/-563.615 χ^2/NDF: 65.1/42

- sign -2744.583+/-805.337 χ^2/NDF: 17.9/21

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

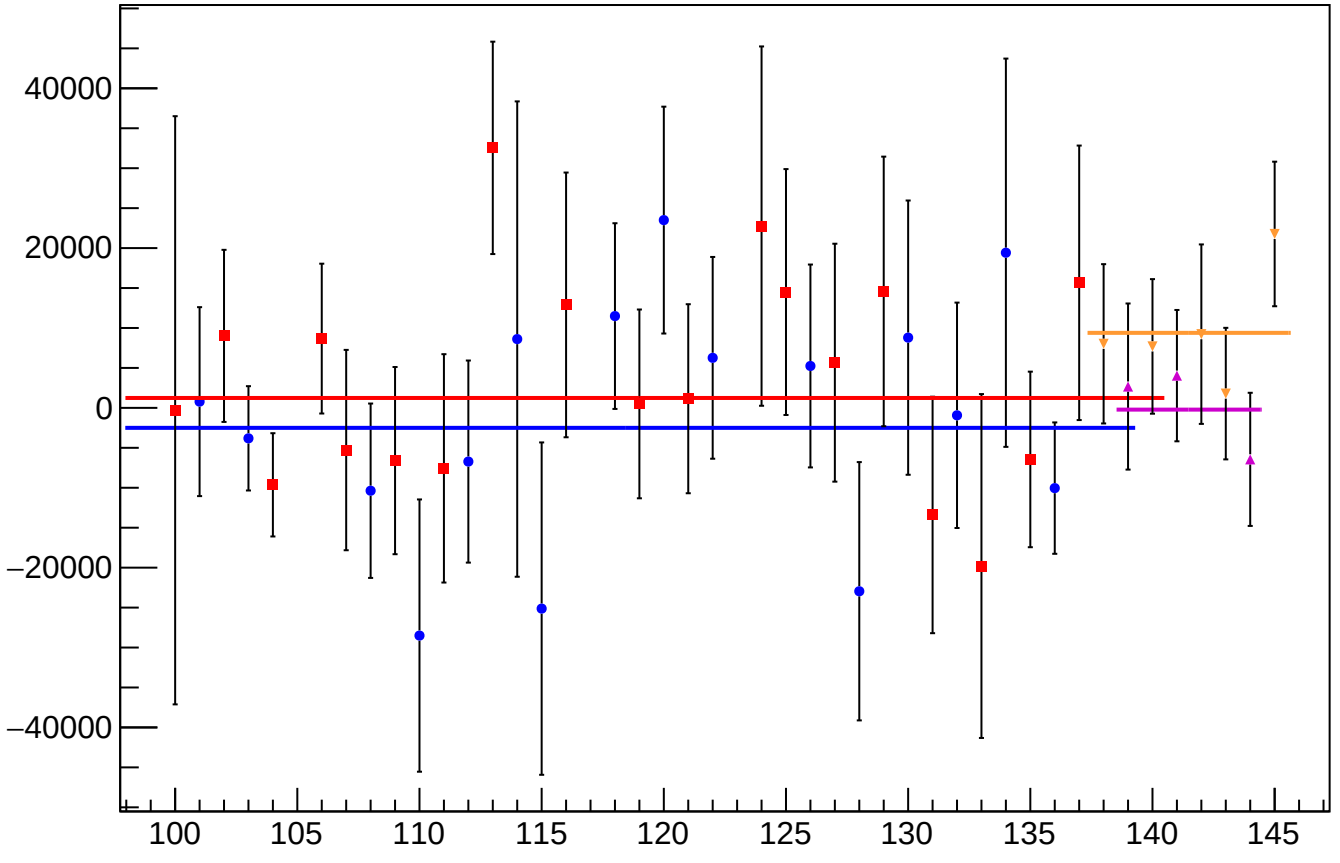
Left In: 2681.073+/-1.169 χ^2/NDF:5141.3/2

+ sign 2571.308+/-0.558 χ^2/NDF: 643668.5/20

All: 2538.611+/-0.399 χ^2/NDF: 1122554.6/42

- sign 2504.550+/-0.569 χ^2/NDF: 471874.3/21

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

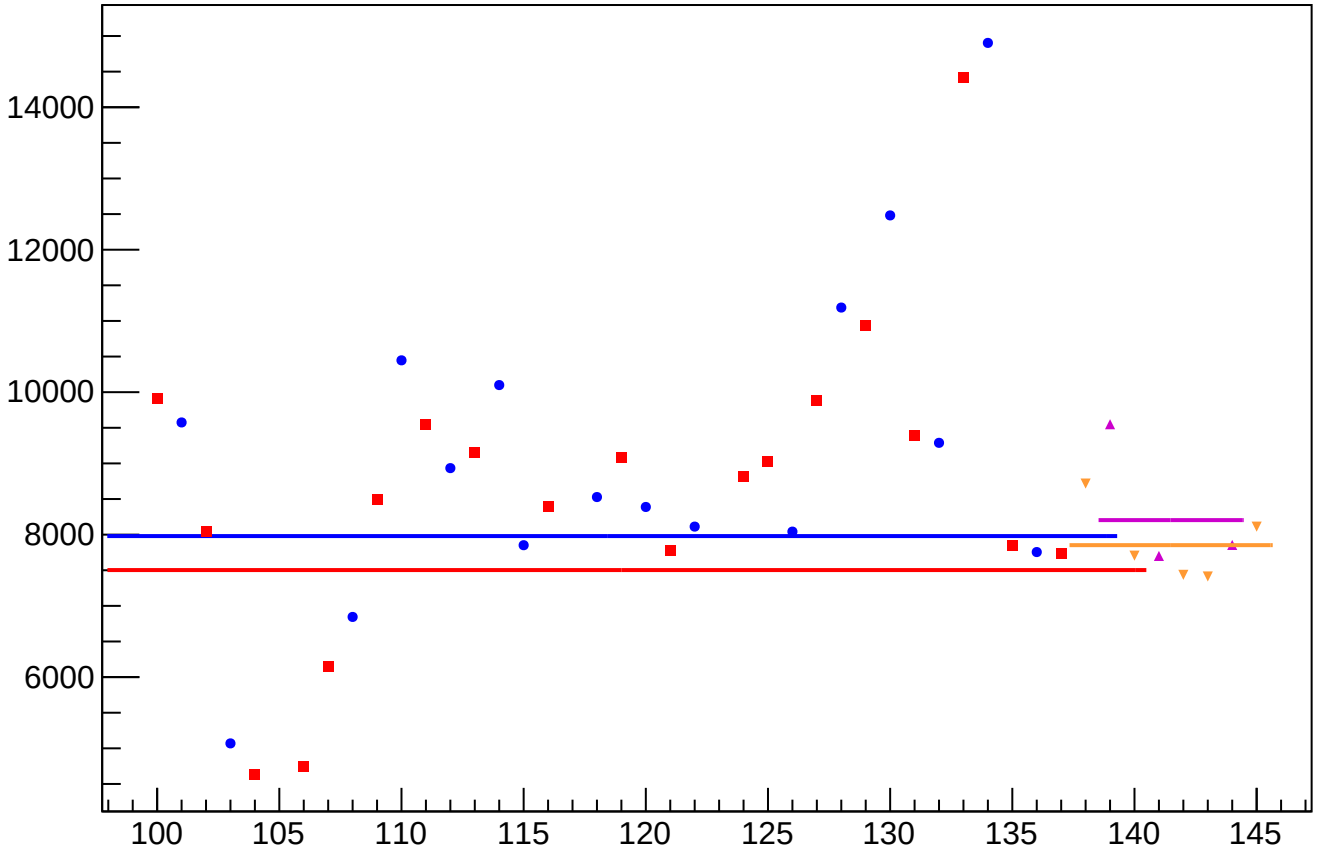
Left In: -218.454+/-5099.513 χ^2/NDF:0.9/2

+ sign 1761.360+/-2463.569 χ^2/NDF: 21.9/20

All: 1332.377+/-1760.452 χ^2/NDF: 39.5/42

- sign 884.733+/-2516.586 χ^2/NDF: 17.6/21

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

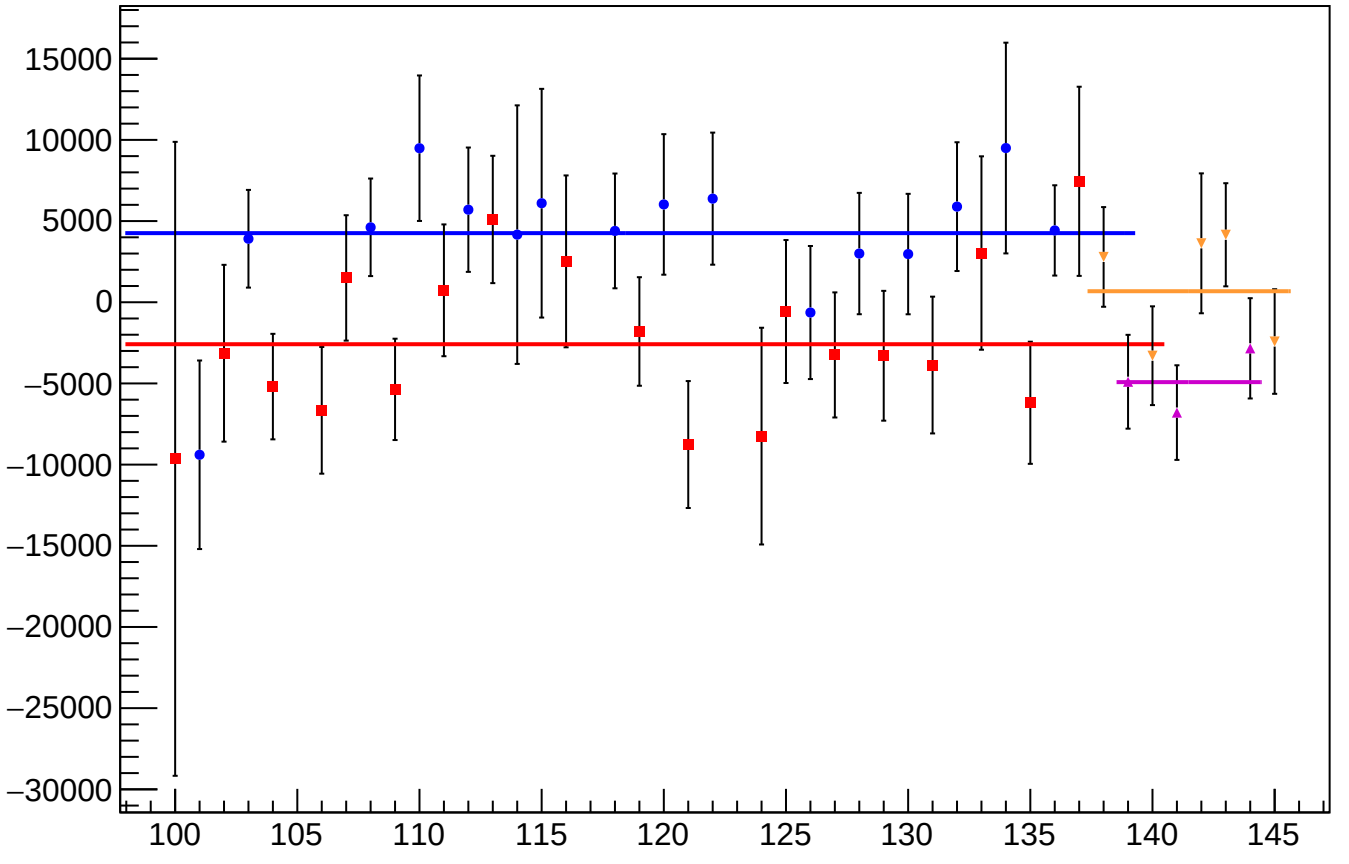
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8203.930+/-3.606 χ^2/NDF:44517.1/2

+ sign 7934.151+/-1.742 χ^2/NDF: 949778.9/20

All: 7806.583+/-1.245 χ^2/NDF: 2169387.0/42

- sign 7673.465+/-1.779 χ^2/NDF: 1208649.4/21



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

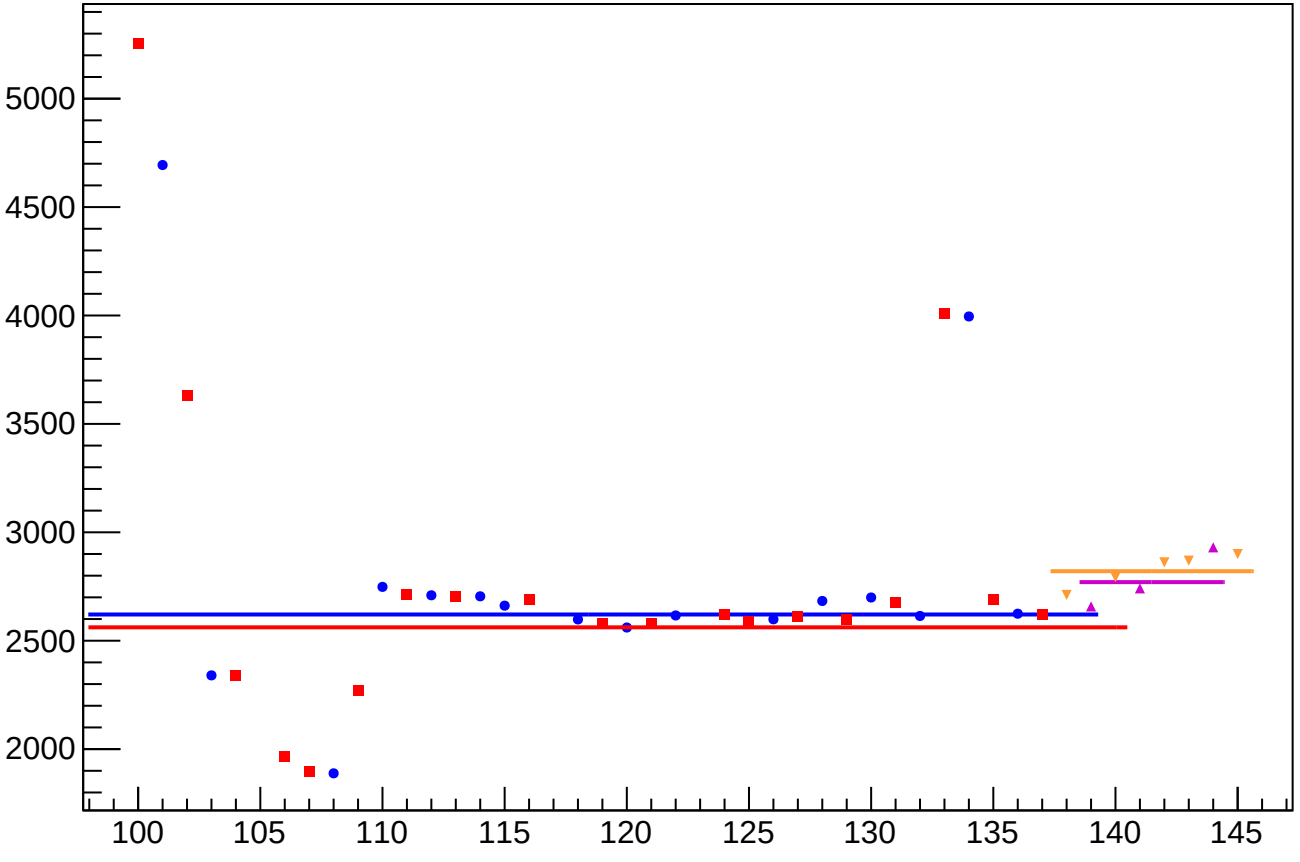
Left In: -4919.792+/-1709.084 χ^2/NDF:0.9/2

+ sign 3138.311+/-821.221 χ^2/NDF: 18.9/20

All: 68.908+/-587.558 χ^2/NDF: 67.4/42

- sign -3150.104+/-840.997 χ^2/NDF: 19.9/21

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

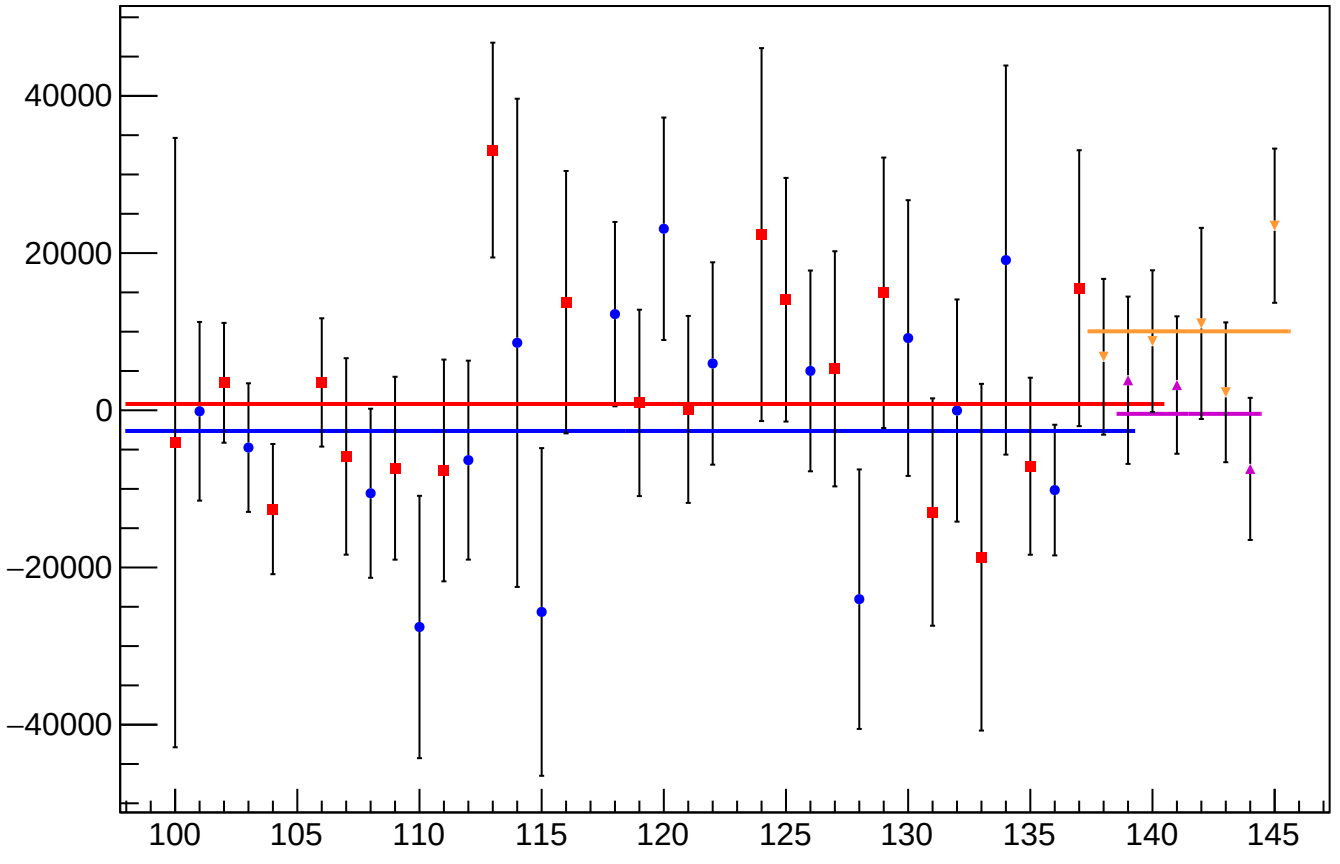
Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2770.233+/-1.209 χ^2/NDF:8599.3/2

+ sign 2683.388+/-0.581 χ^2/NDF: 515880.4/20

All: 2648.607+/-0.415 χ^2/NDF: 932653.5/42

- sign 2612.163+/-0.594 χ^2/NDF: 409426.5/21



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

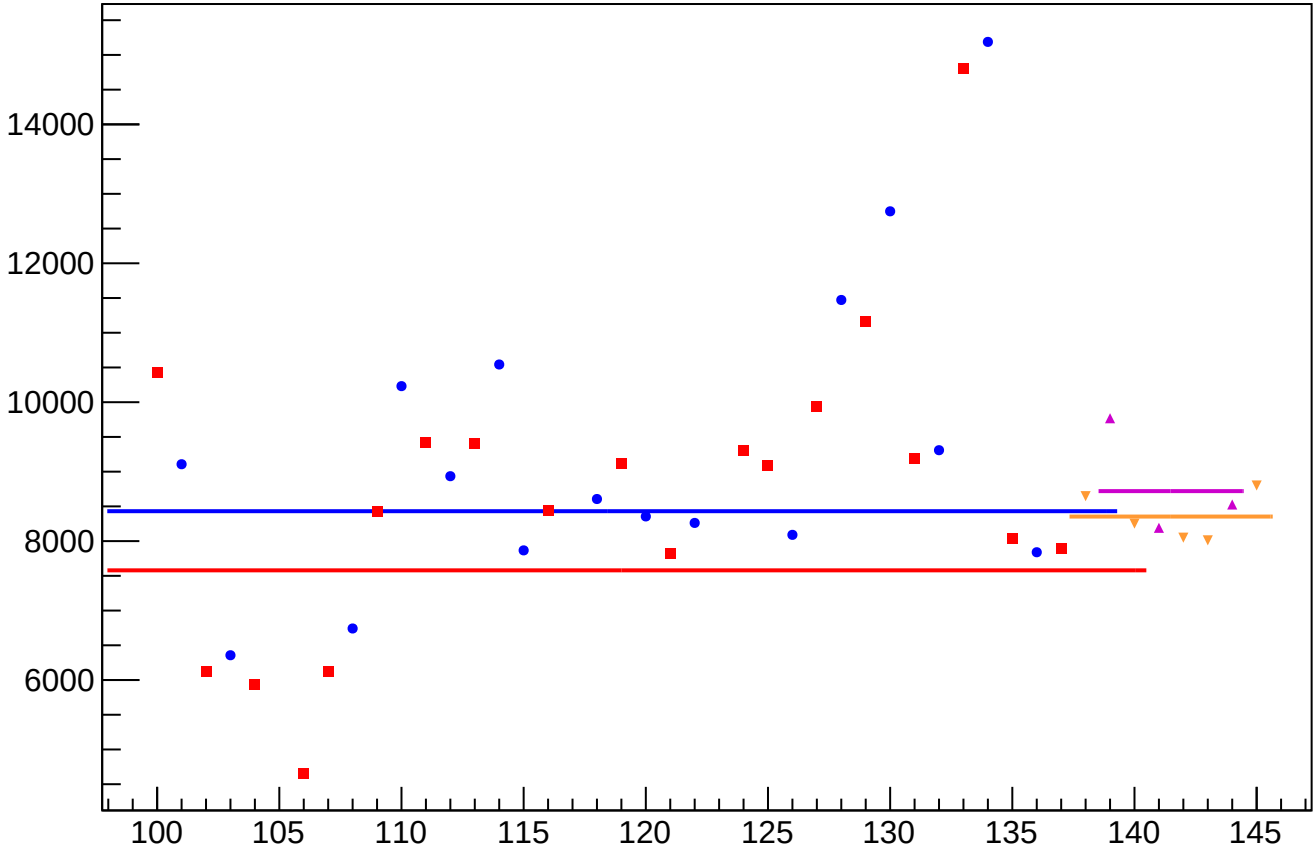
Left In: -452.081+/-5411.760 χ^2/NDF:0.9/2

+ sign 1808.903+/-2588.698 χ^2/NDF: 22.0/20

All: 1155.140+/-1812.126 χ^2/NDF: 38.5/42

- sign 526.964+/-2537.534 χ^2/NDF: 16.4/21

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

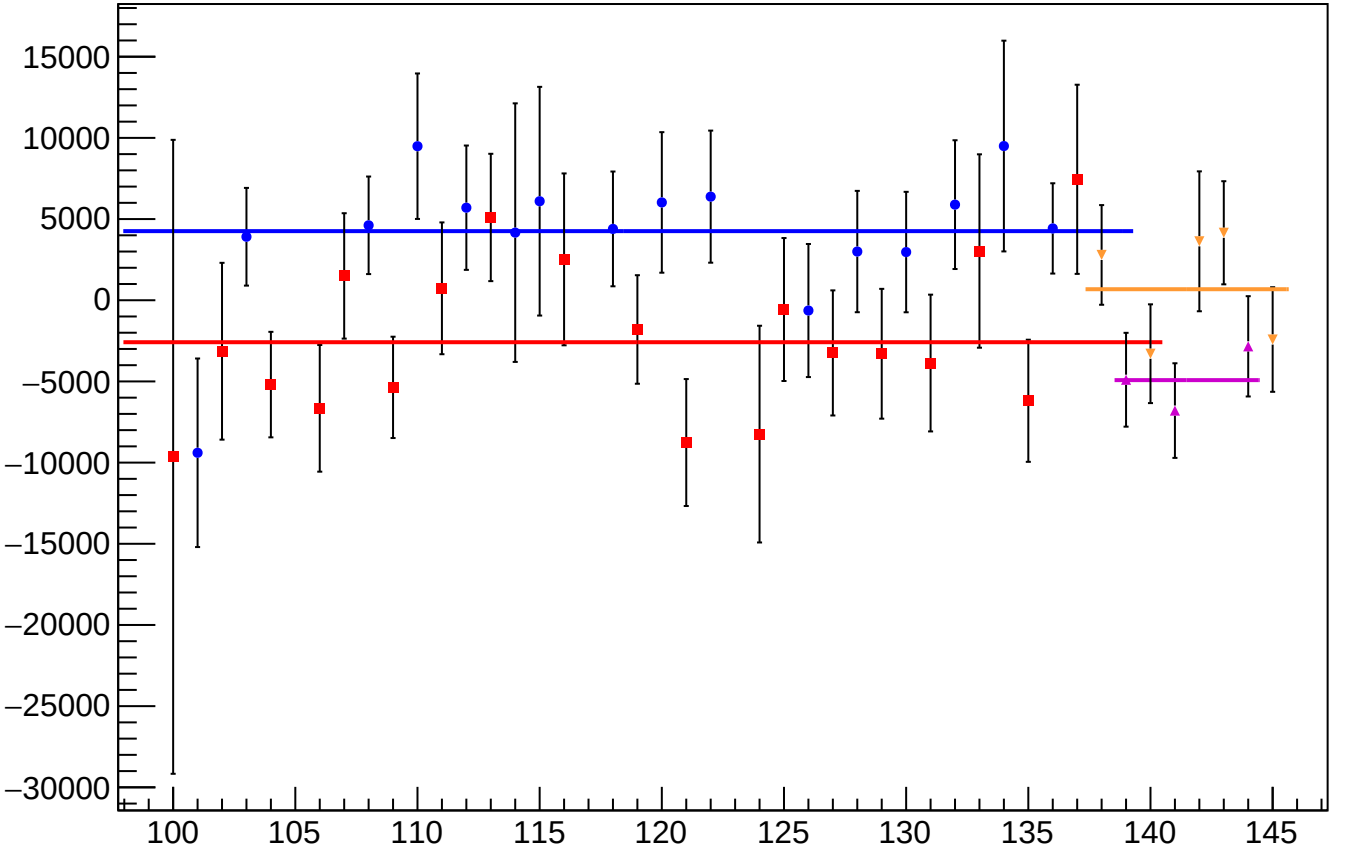
Left In: 8719.787+/-3.827 χ^2/NDF:27648.0/2

+ sign 8403.731+/-1.830 χ^2/NDF: 591079.7/20

All: 8111.089+/-1.281 χ^2/NDF: 1712290.2/42

- sign 7829.901+/-1.794 χ^2/NDF: 1071093.4/21

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

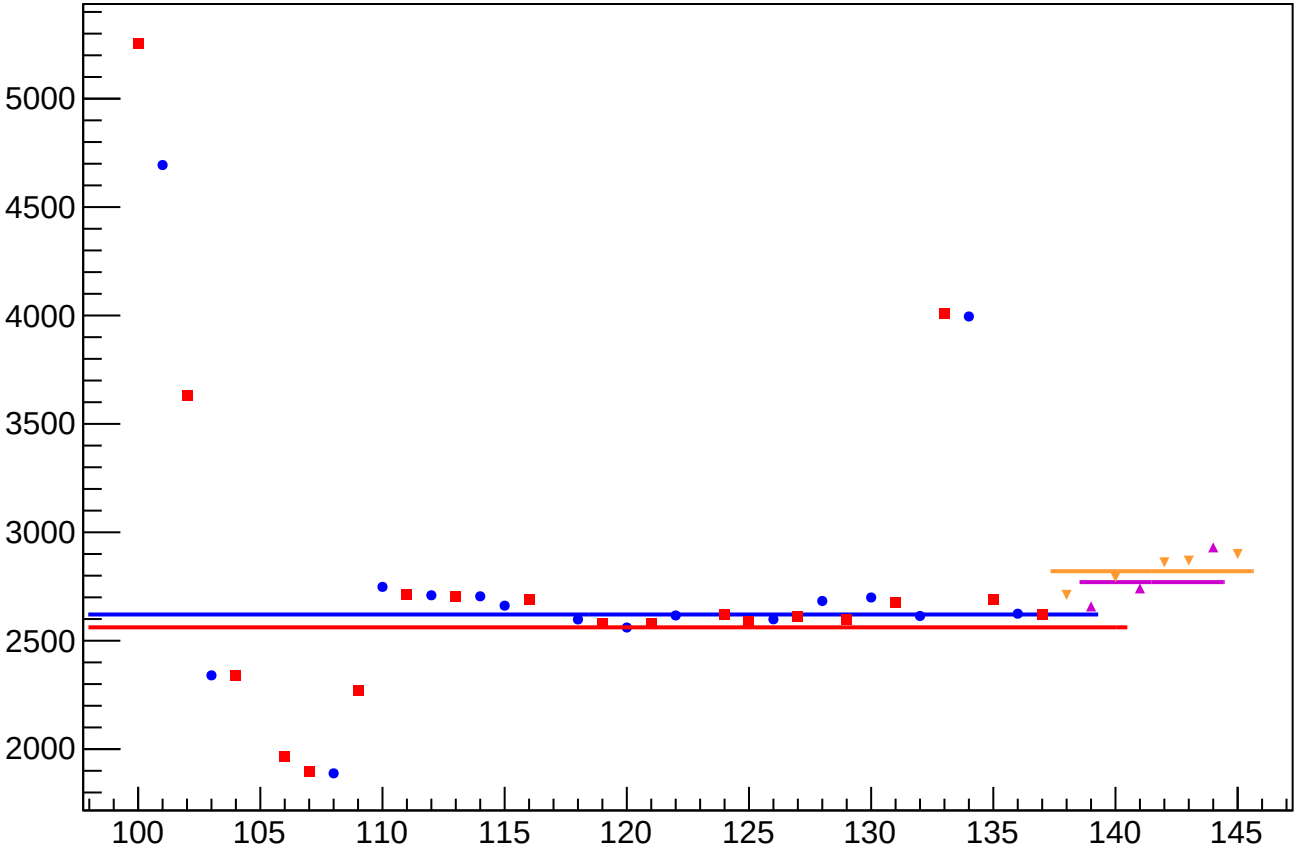
Left In: -4919.771+/-1709.085 χ^2/NDF:0.9/2

+ sign 3138.320+/-821.221 χ^2/NDF: 18.9/20

All: 68.912+/-587.558 χ^2/NDF: 67.4/42

- sign -3150.107+/-840.997 χ^2/NDF: 19.9/21

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

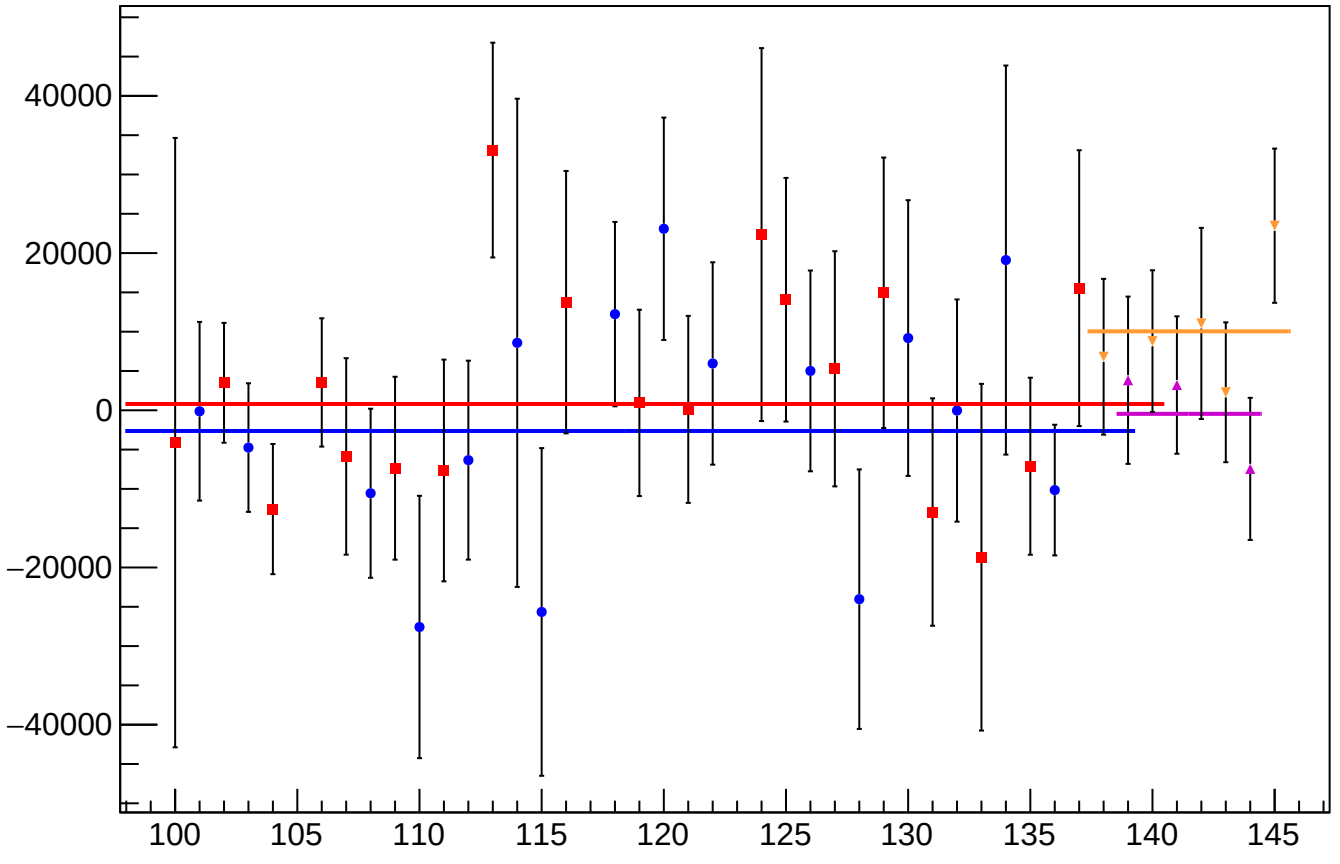
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2770.234+/-1.209 χ^2/NDF:8599.3/2

+ sign 2683.388+/-0.581 χ^2/NDF: 515881.4/20

All: 2648.607+/-0.415 χ^2/NDF: 932654.3/42

- sign 2612.163+/-0.594 χ^2/NDF: 409426.3/21



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

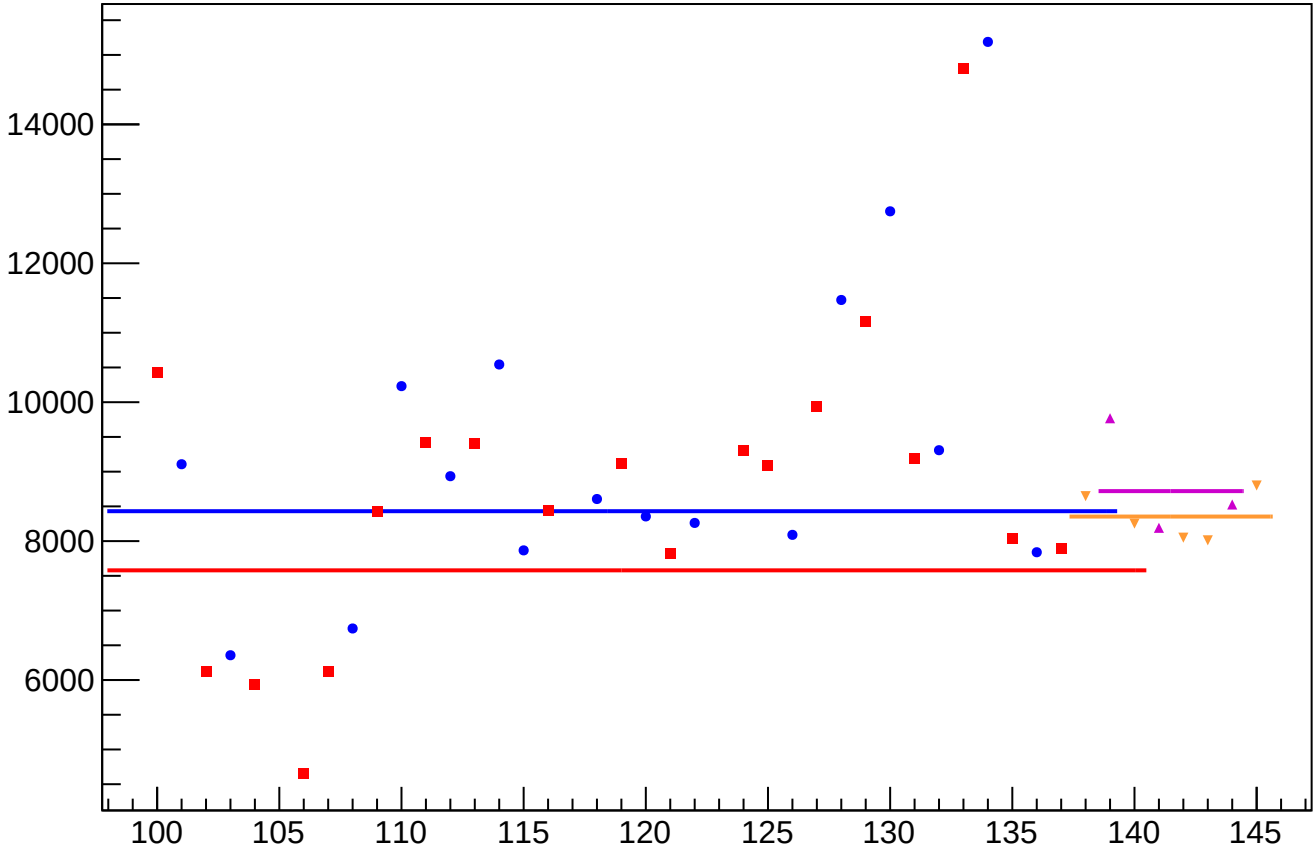
Left In: -452.060+/-5411.764 χ^2/NDF:0.9/2

\+ sign 1808.914+/-2588.697 χ^2/NDF: 22.0/20

All: 1155.146+/-1812.125 χ^2/NDF: 38.5/42

\- sign 526.966+/-2537.531 χ^2/NDF: 16.4/21

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

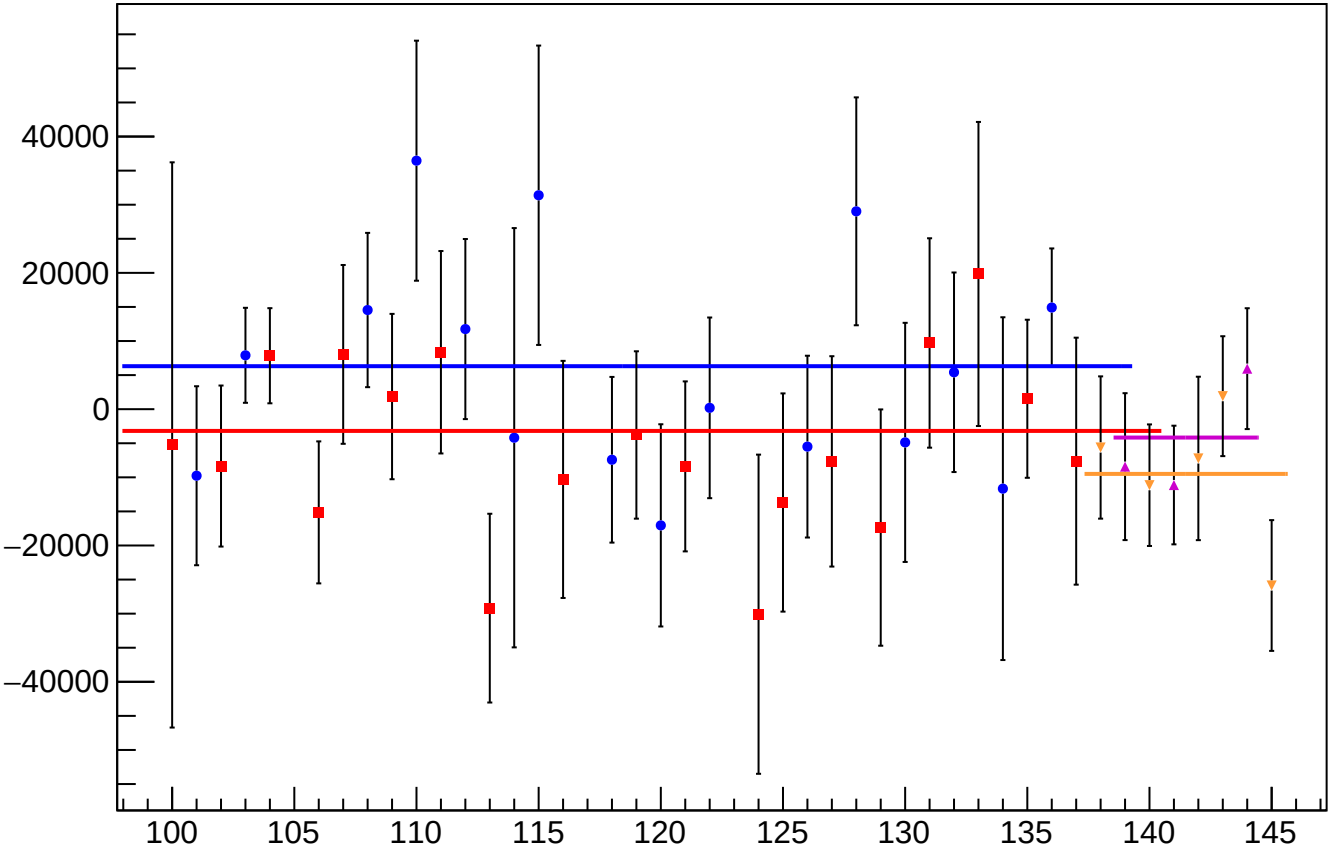
Left In: 8719.794+/-3.827 χ^2/NDF:27648.7/2

+ sign 8403.728+/-1.830 χ^2/NDF: 591073.9/20

All: 8111.083+/-1.281 χ^2/NDF: 1712284.7/42

- sign 7829.893+/-1.794 χ^2/NDF: 1071092.6/21

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -9496.878+/-4364.319 χ^2/NDF:4.8/4

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

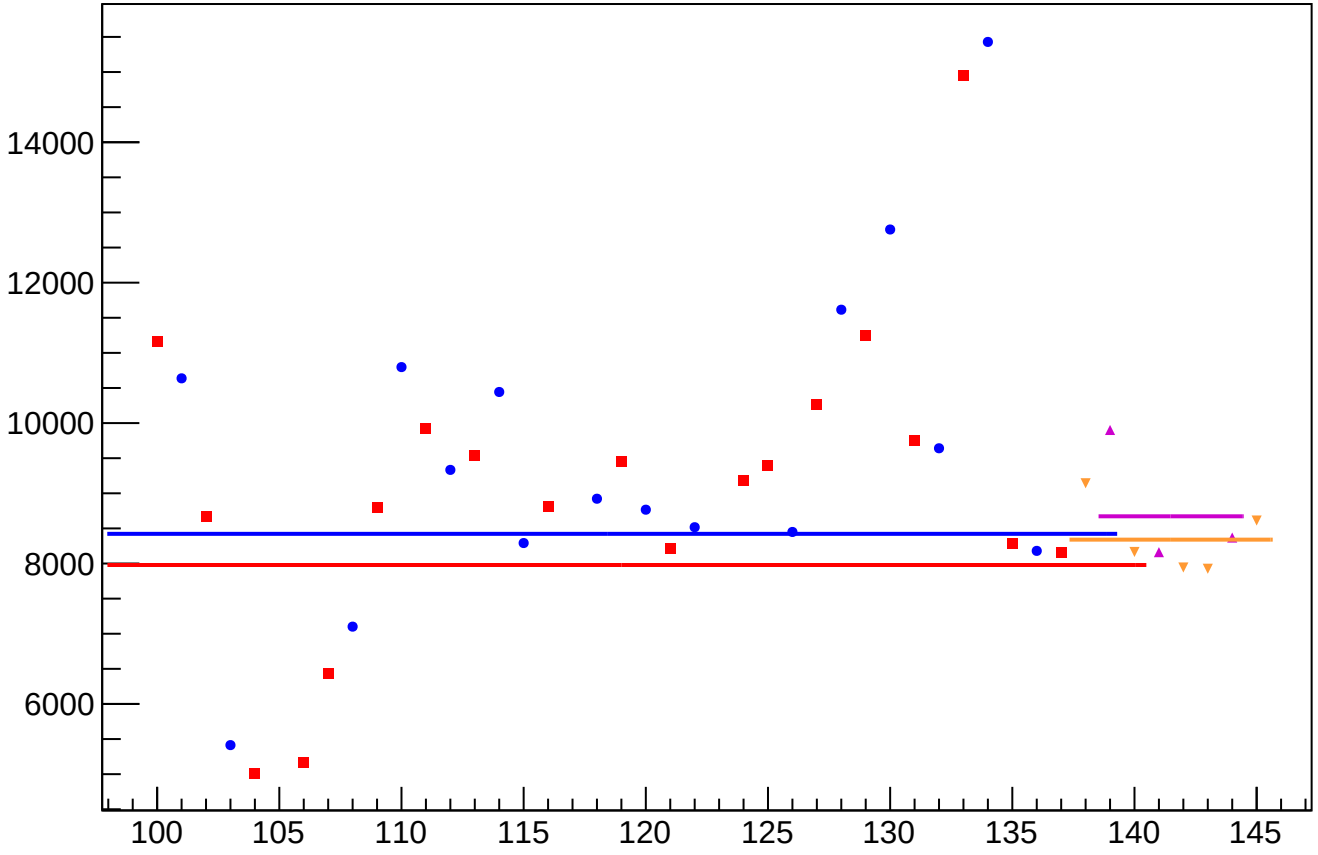
Left In: -4164.363+/-5381.359 χ^2/NDF:2.1/2

+ sign 692.405+/-2601.326 χ^2/NDF: 28.4/20

All: -1317.740+/-1861.757 χ^2/NDF: 45.6/42

- sign -3428.603+/-2665.699 χ^2/NDF: 16.0/21

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

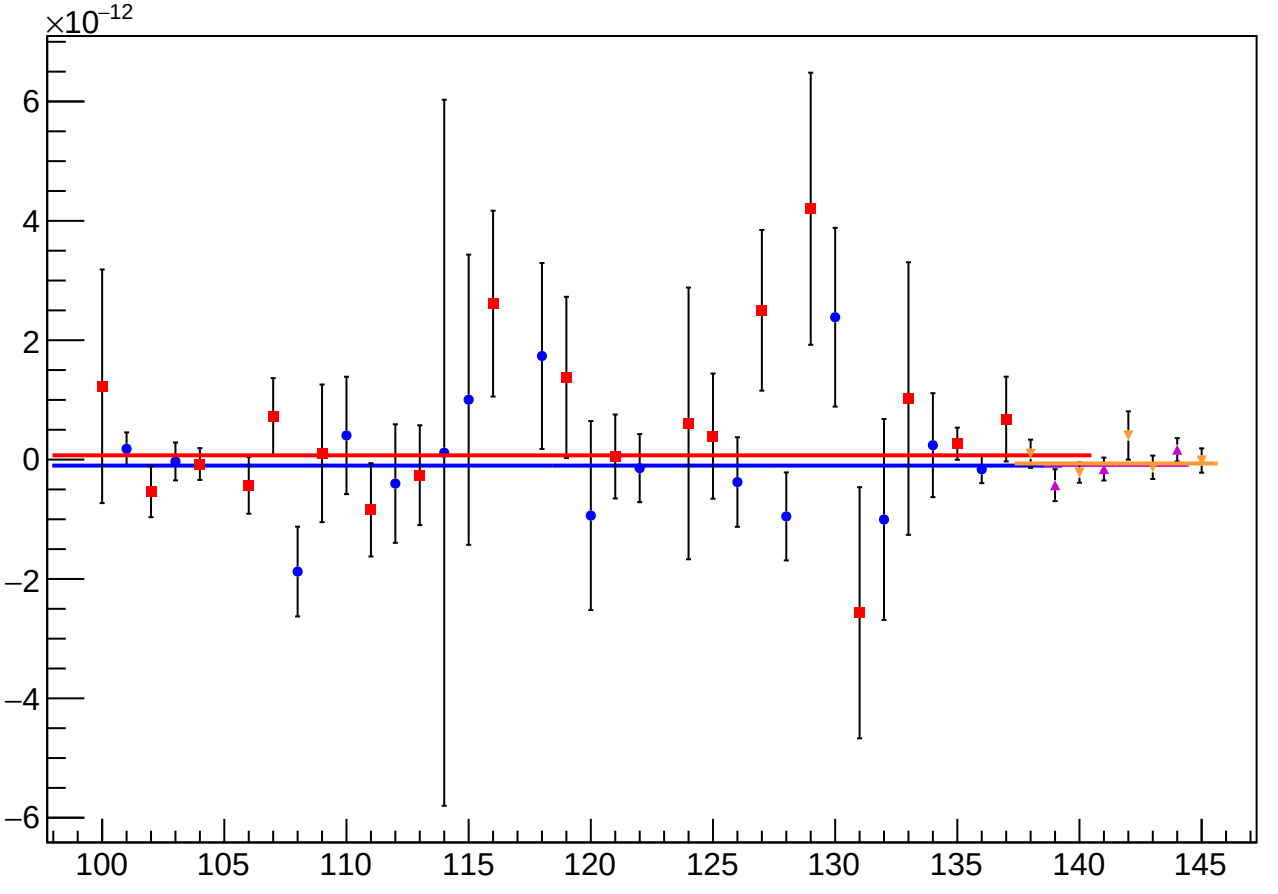
Left In: 8672.447+/-3.805 χ^2/NDF:35251.4/2

+ sign 8393.352+/-1.839 χ^2/NDF: 903146.2/20

All: 8274.234+/-1.316 χ^2/NDF: 1988075.6/42

- sign 8149.151+/-1.885 χ^2/NDF: 1076332.0/21

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

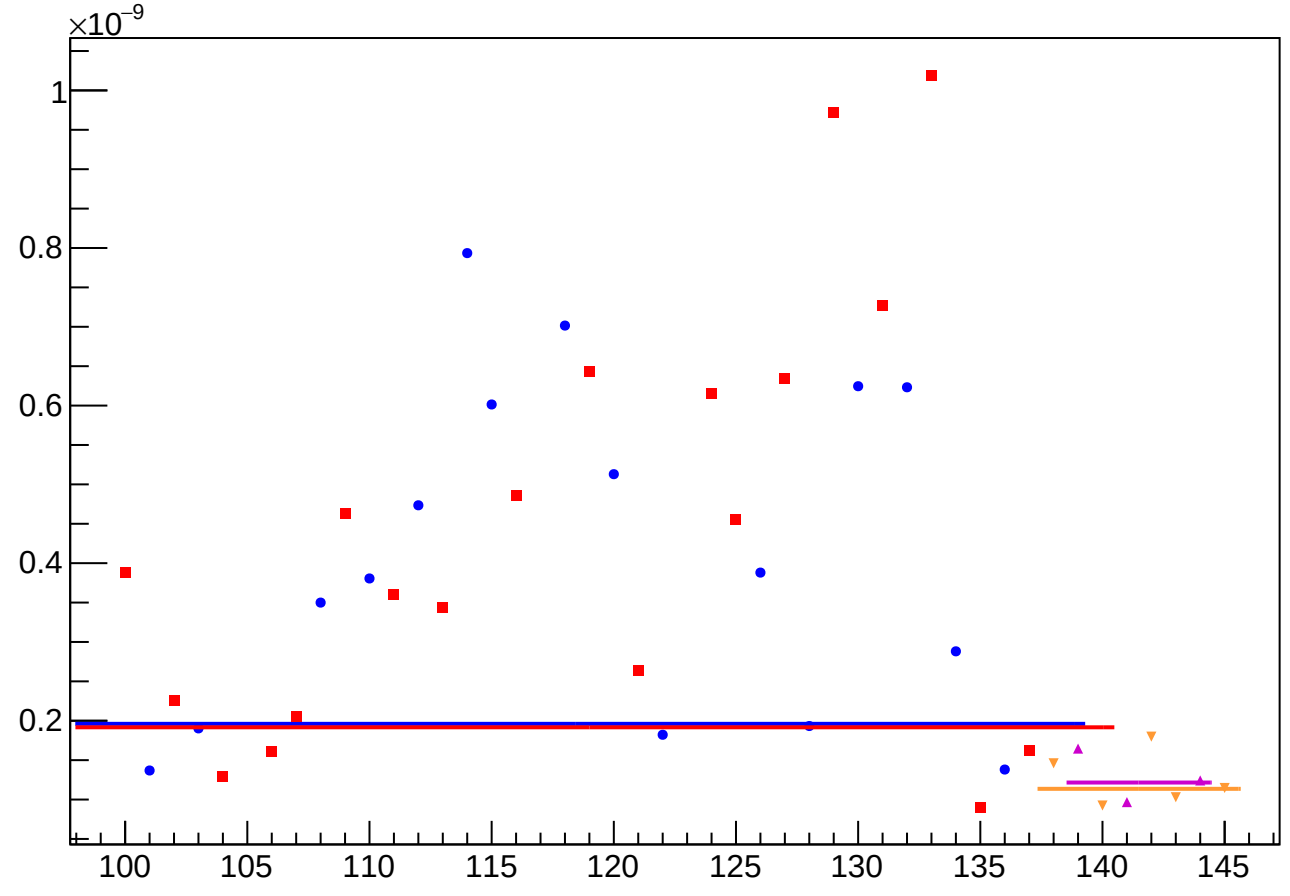
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 16.5/20

All: -0.000+/-0.000 χ^2/NDF: 40.5/42

- sign -0.000+/-0.000 χ^2/NDF: 23.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:128197.7/4

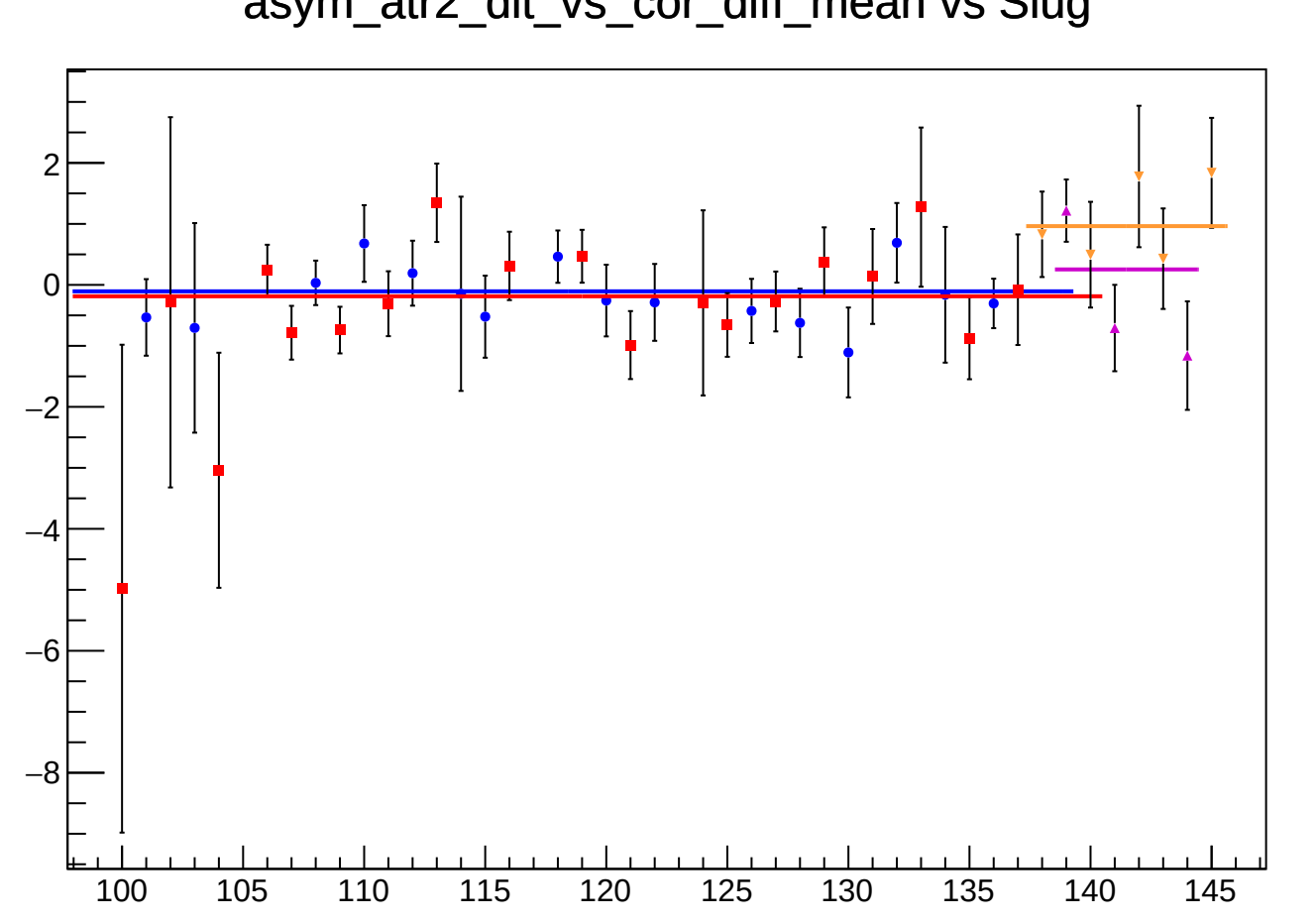
Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:85944.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 1970046.8/20

All: 0.000+/-0.000 χ^2/NDF: 4424723.6/42

- sign 0.000+/-0.000 χ^2/NDF: 2439502.0/21



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

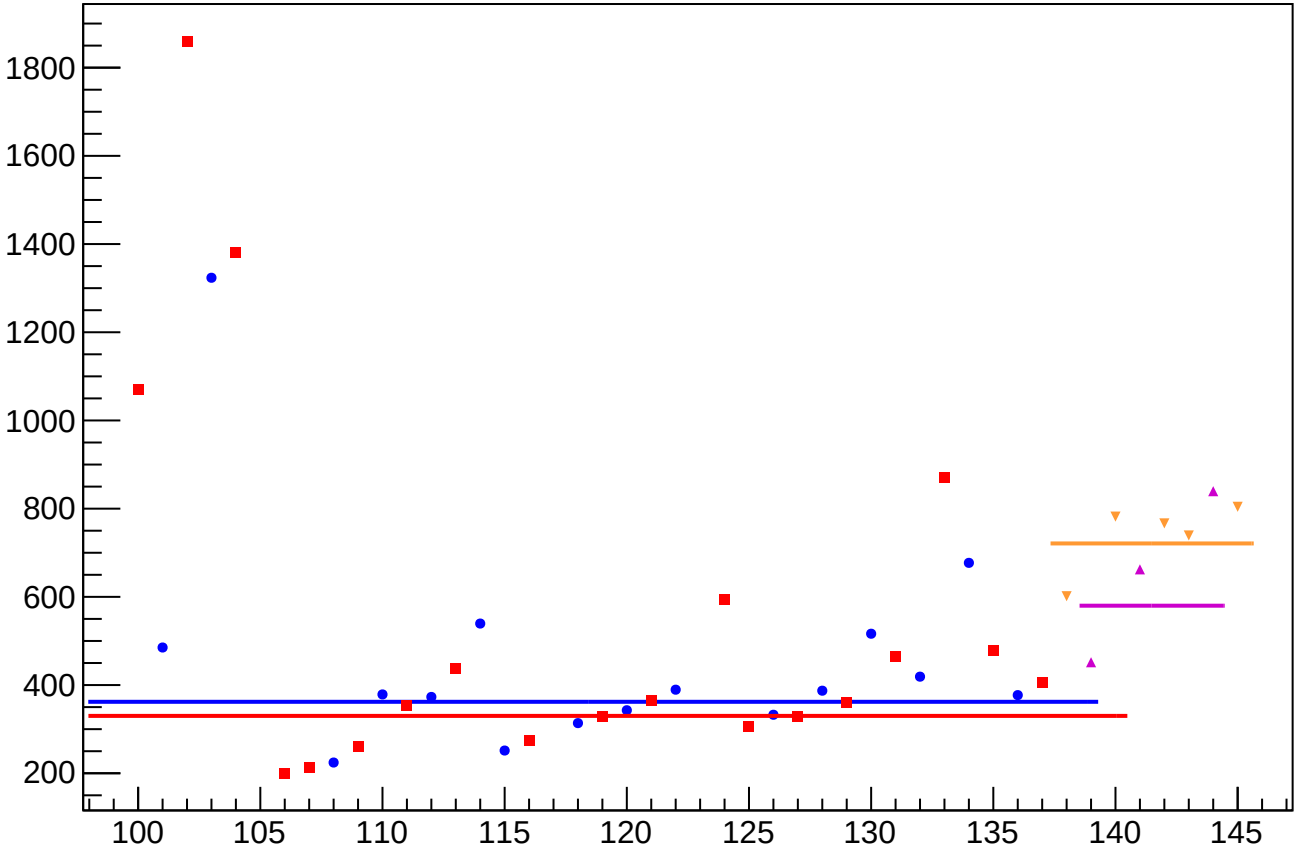
Left In: 0.254+/-0.375 χ^2/NDF:7.9/2

+ sign 0.028+/-0.135 χ^2/NDF: 18.7/20

All: -0.057+/-0.093 χ^2/NDF: 52.4/42

- sign -0.135+/-0.129 χ^2/NDF: 33.0/21

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

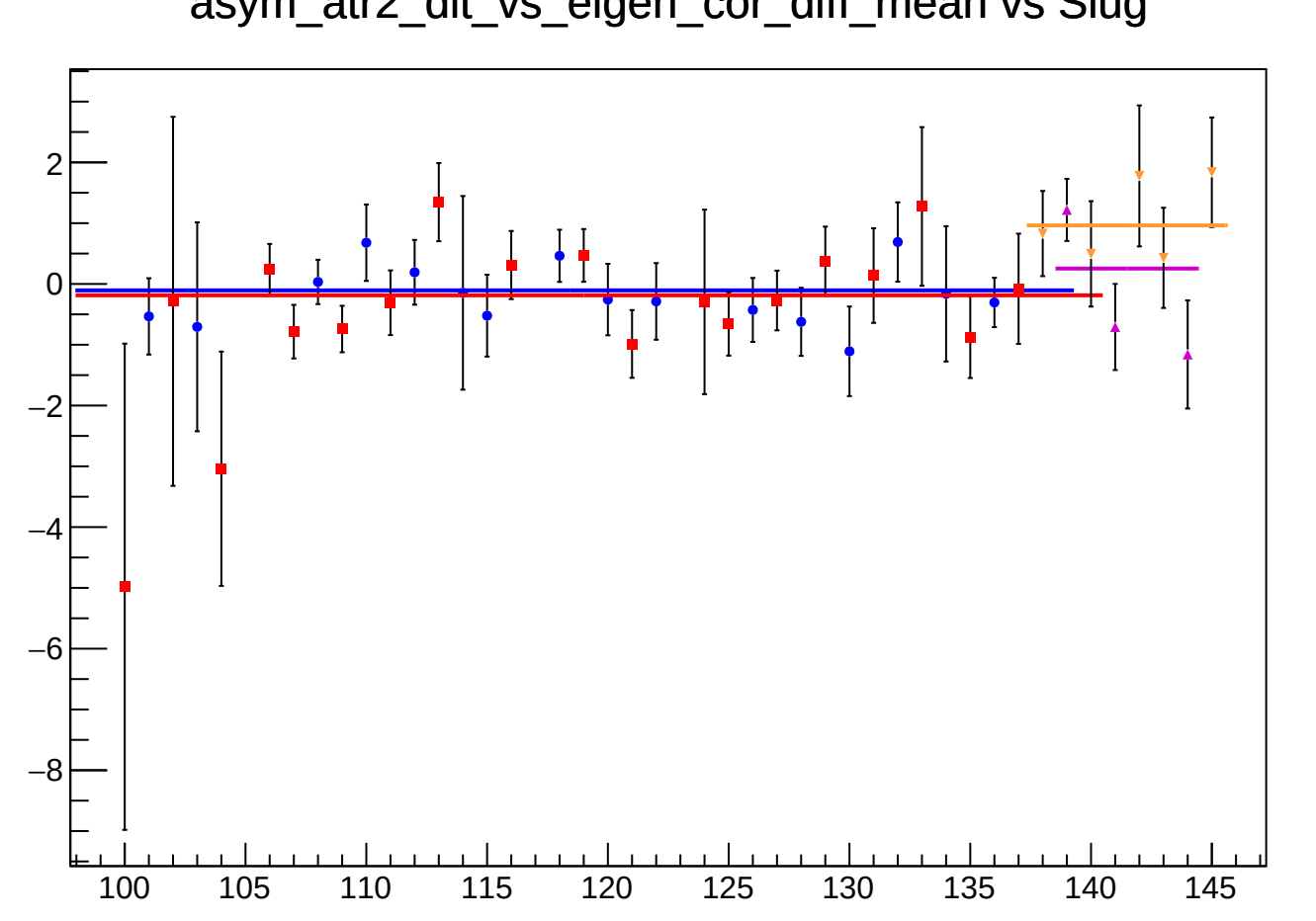
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 579.962+/-0.266 χ^2/NDF:323500.7/2

+ sign 406.860+/-0.096 χ^2/NDF: 3004266.4/20

All: 382.101+/-0.066 χ^2/NDF: 6483171.6/42

- sign 359.598+/-0.091 χ^2/NDF: 3351163.1/21



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

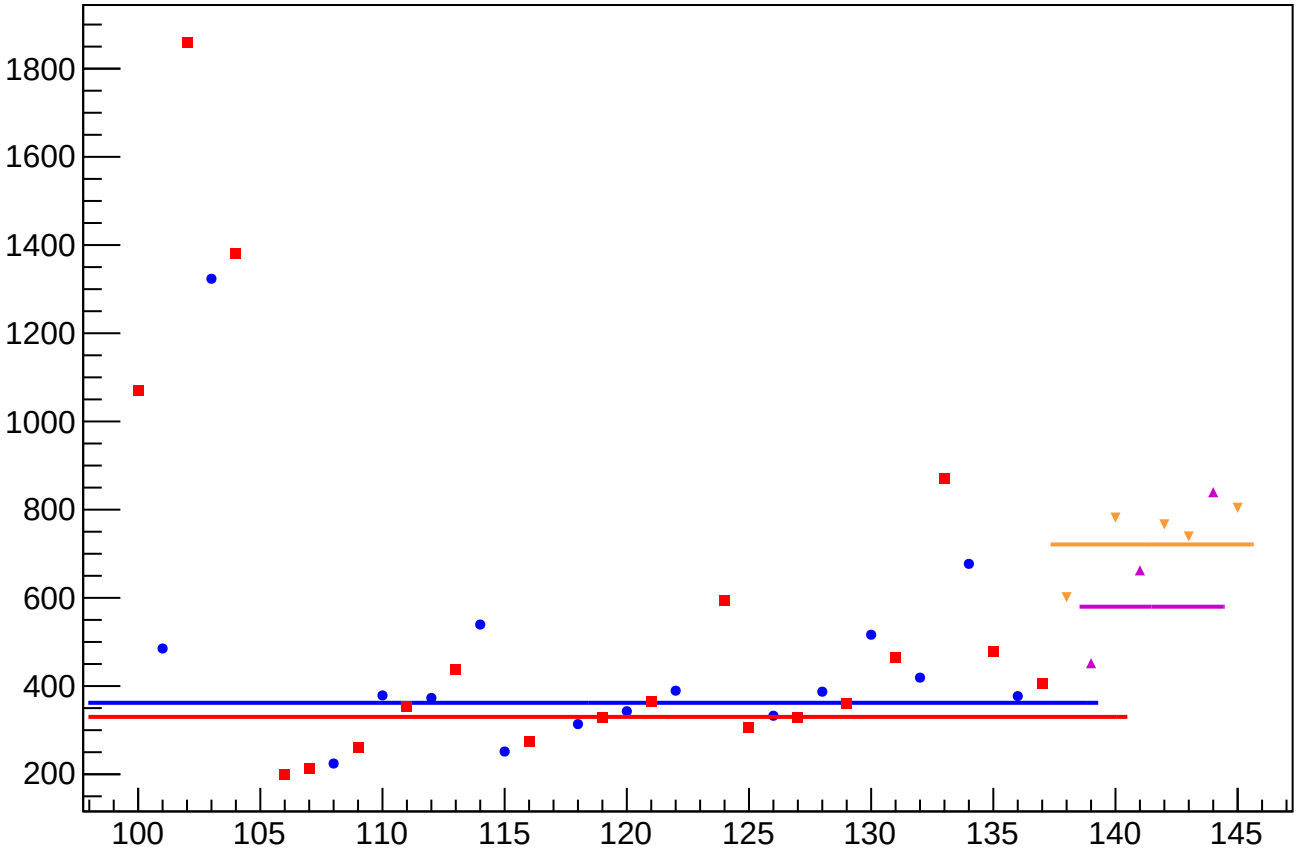
Left In: 0.254+/-0.375 χ^2/NDF:7.9/2

+ sign 0.028+/-0.135 χ^2/NDF: 18.7/20

All: -0.057+/-0.093 χ^2/NDF: 52.4/42

- sign -0.135+/-0.129 χ^2/NDF: 33.0/21

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

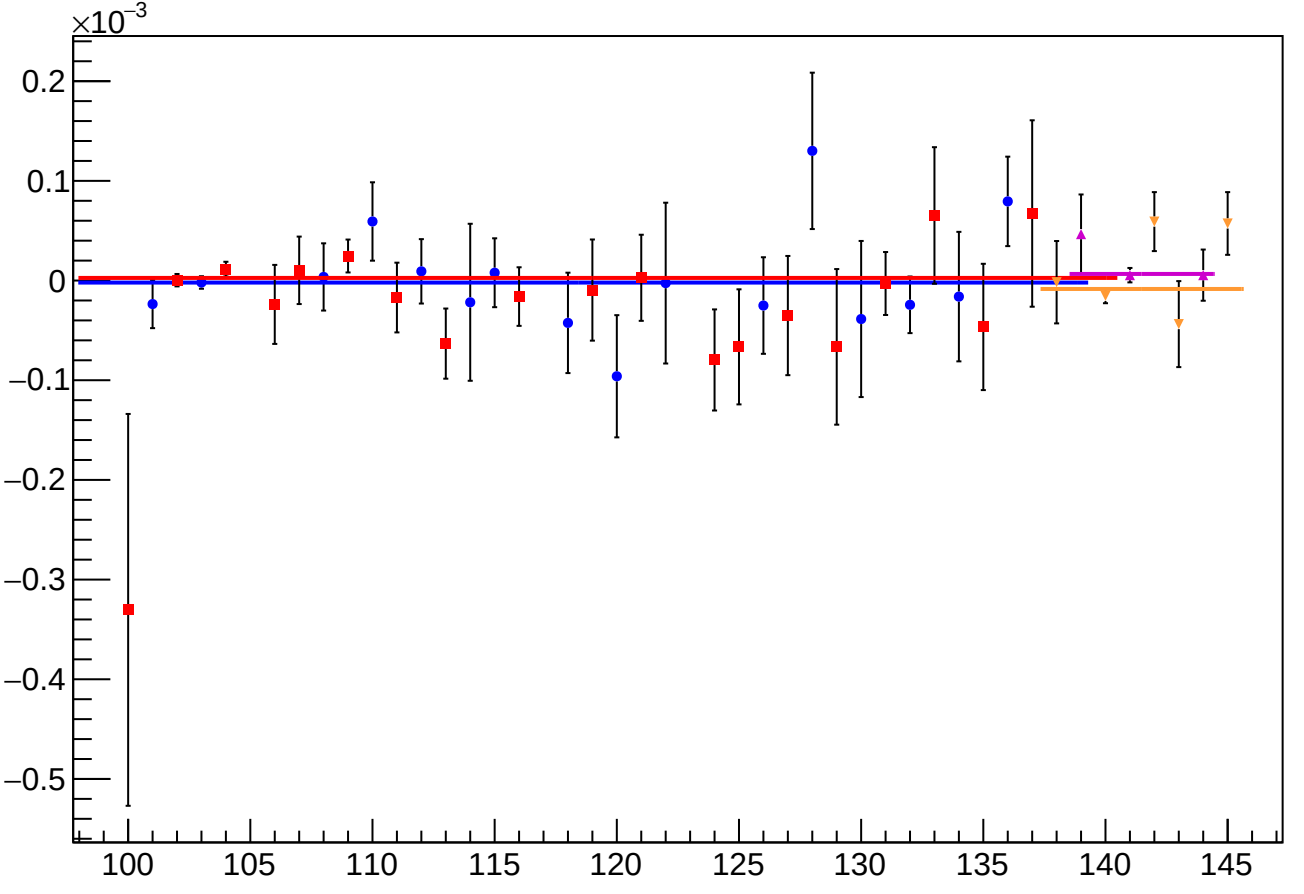
Left In: 579.962+/-0.266 χ^2/NDF:323500.7/2

+ sign 406.860+/-0.096 χ^2/NDF: 3004266.4/20

All: 382.101+/-0.066 χ^2/NDF: 6483171.6/42

- sign 359.598+/-0.091 χ^2/NDF: 3351163.1/21

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

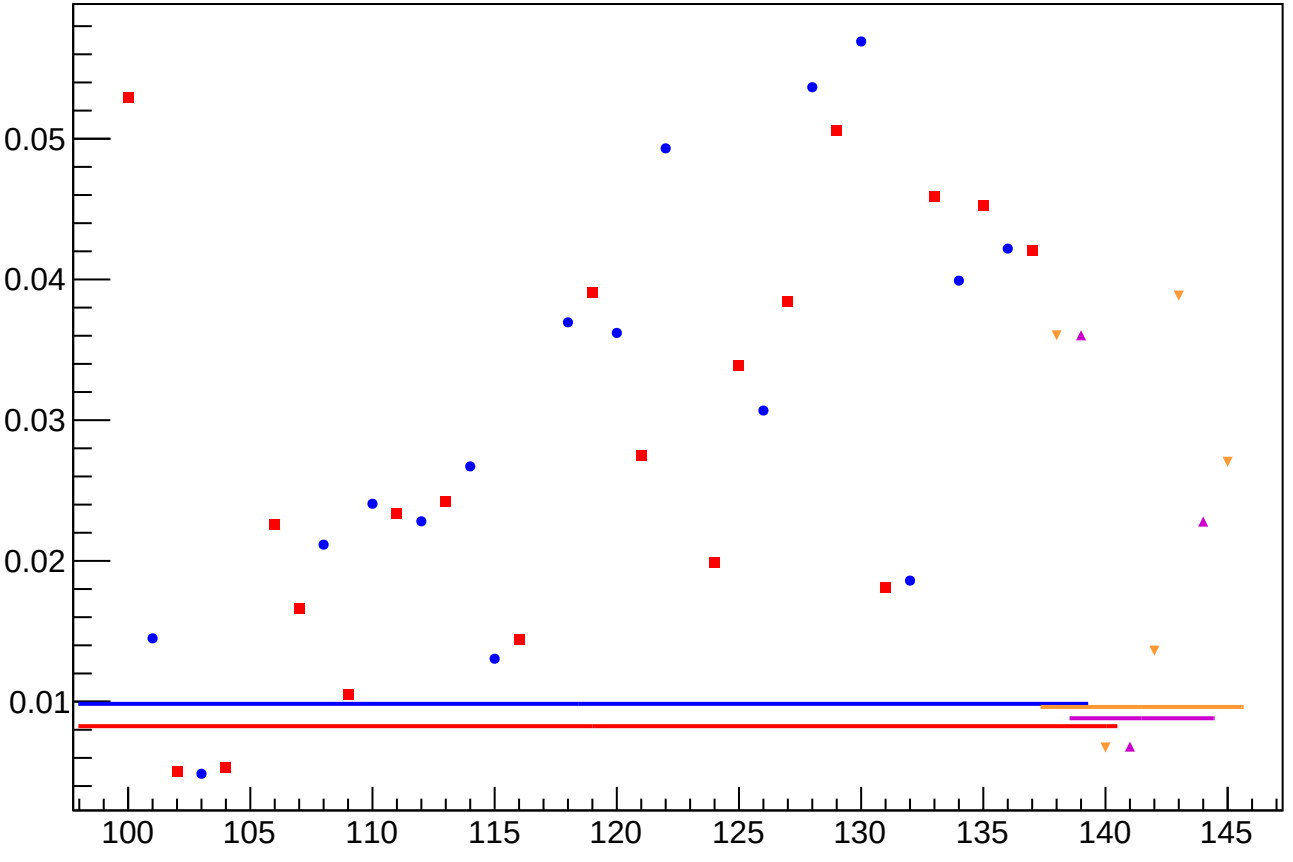
Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/20

All: 0.000+/-0.000 χ^2/NDF: 47.2/42

- sign 0.000+/-0.000 χ^2/NDF: 19.5/21

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:2692711.4/4

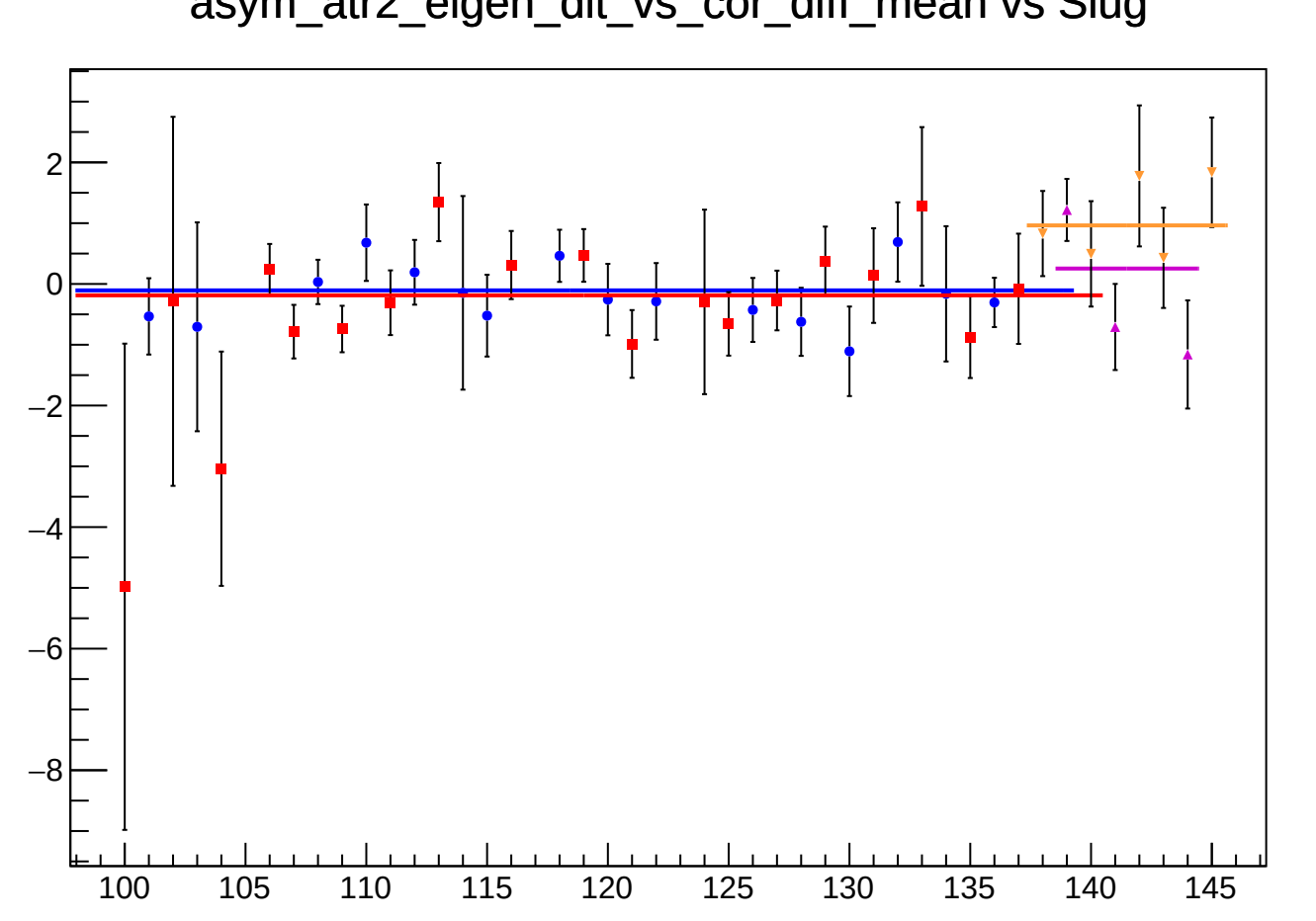
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.009+/-0.000 χ^2/NDF:1684140.8/2

+ sign 0.010+/-0.000 χ^2/NDF: 9746398.9/20

All: 0.009+/-0.000 χ^2/NDF: 18298830.4/42

- sign 0.008+/-0.000 χ^2/NDF: 8434828.8/21



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

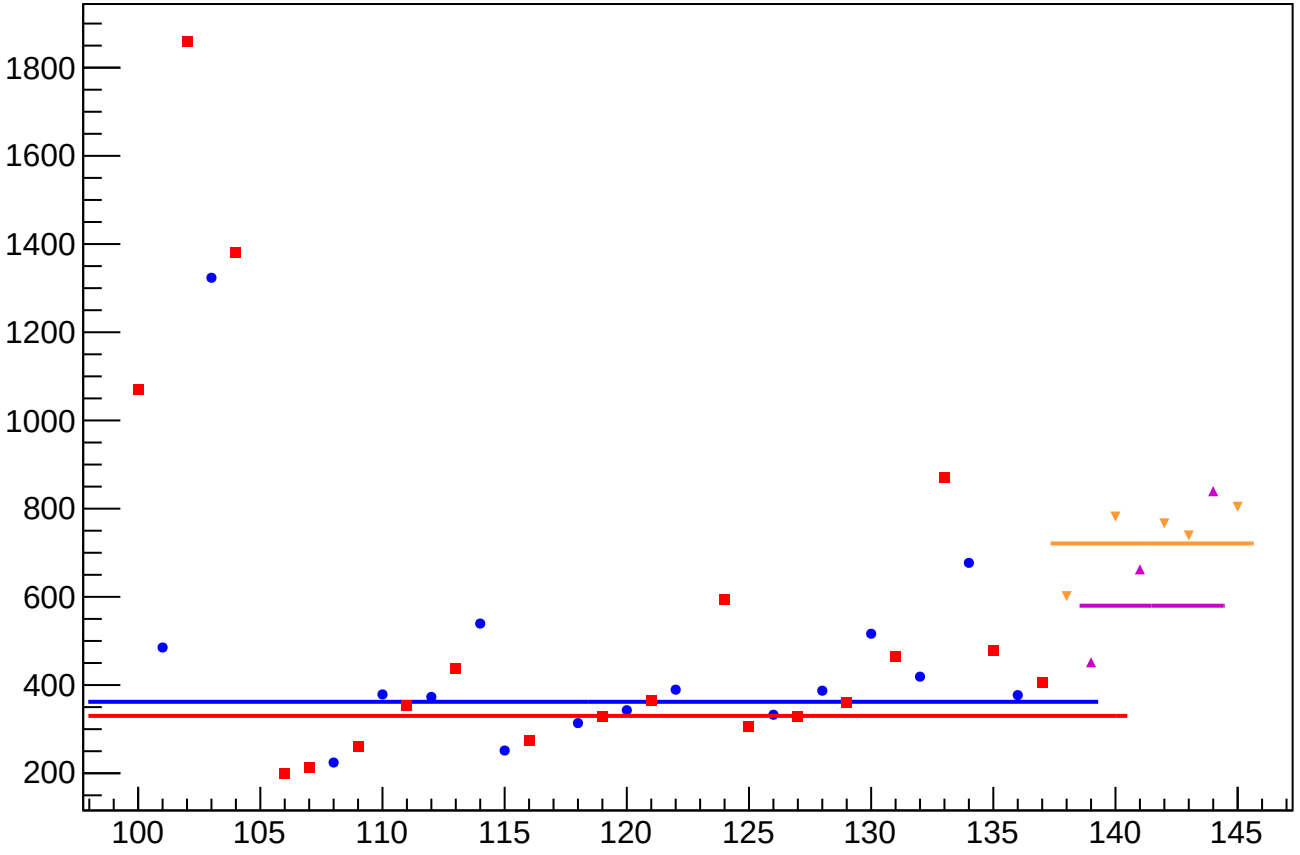
Left In: 0.254+/-0.375 χ^2/NDF:7.9/2

+ sign 0.028+/-0.135 χ^2/NDF: 18.7/20

All: -0.057+/-0.093 χ^2/NDF: 52.4/42

- sign -0.135+/-0.129 χ^2/NDF: 33.0/21

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

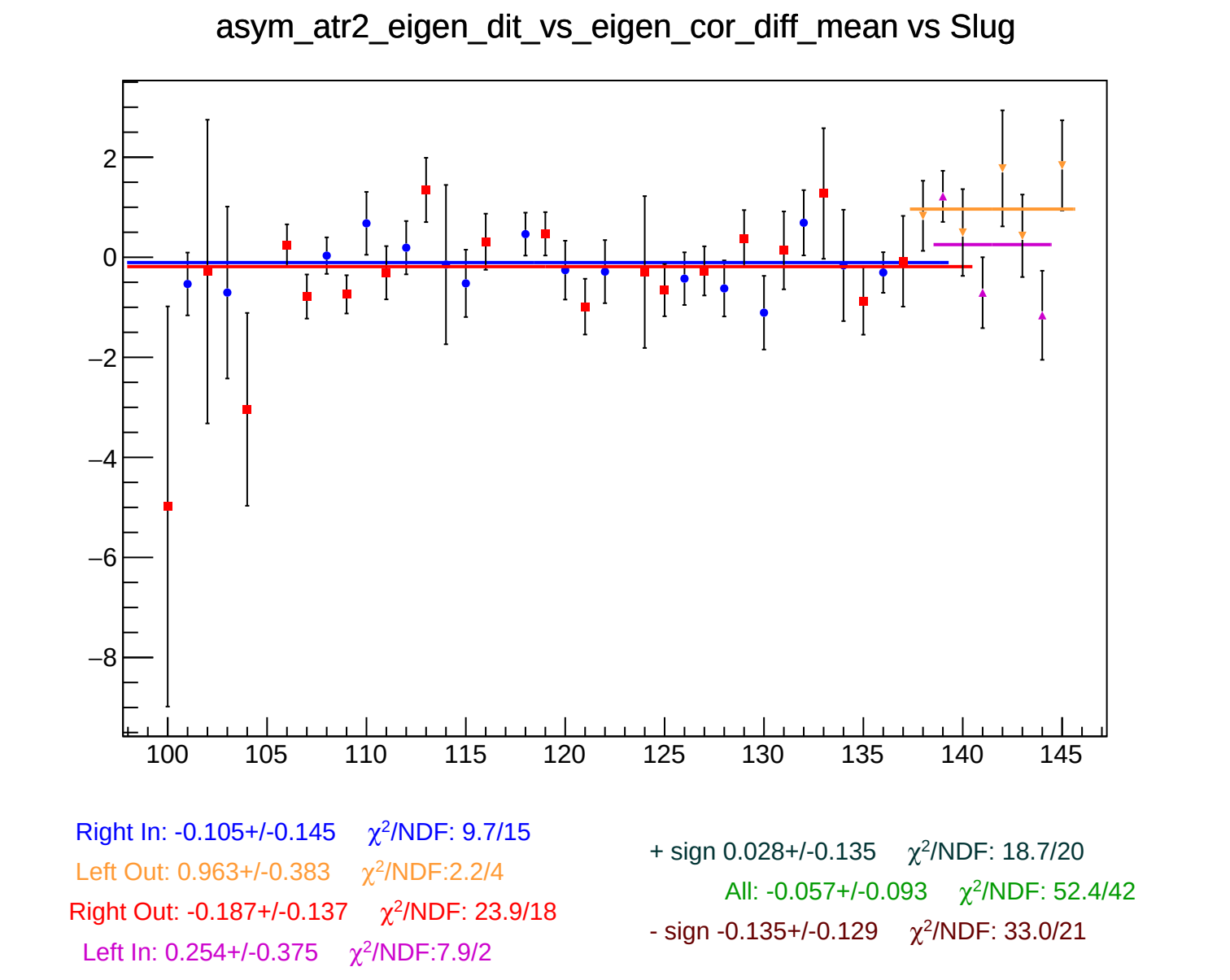
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

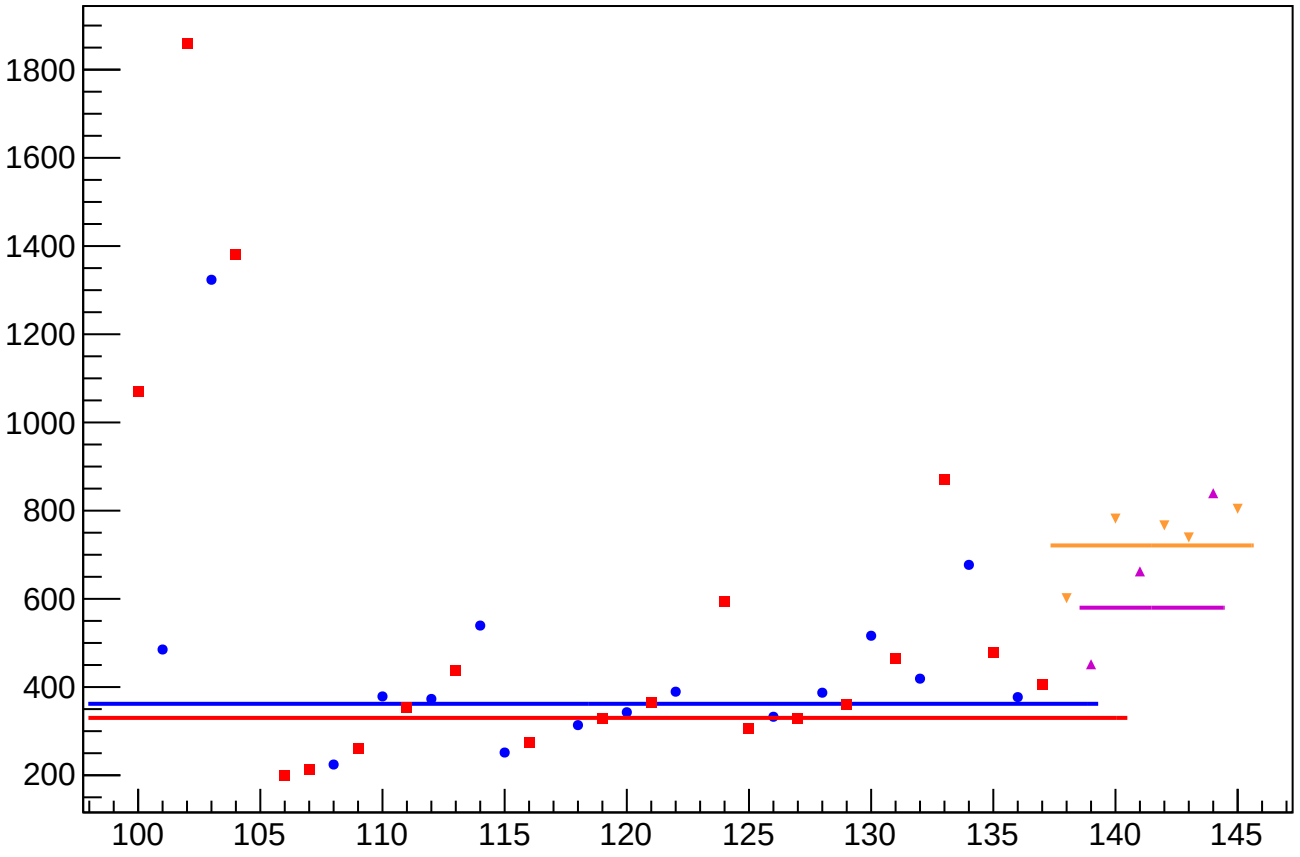
Left In: 579.968+/-0.266 χ^2/NDF:323487.0/2

+ sign 406.857+/-0.096 χ^2/NDF: 3004332.9/20

All: 382.099+/-0.066 χ^2/NDF: 6483244.1/42

- sign 359.596+/-0.091 χ^2/NDF: 3351176.4/21


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
0
−2
−4
−6
−8
100
105
110
115
120
125
130
135
140
145
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.963+/-0.383 χ²/NDF:2.2/4
Right Out: -0.187+/-0.137 χ²/NDF: 23.9/18
Left In: 0.254+/-0.375 χ²/NDF:7.9/2
+ sign 0.028+/-0.135 χ²/NDF: 18.7/20
All: -0.057+/-0.093 χ²/NDF: 52.4/42
- sign -0.135+/-0.129 χ²/NDF: 33.0/21



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

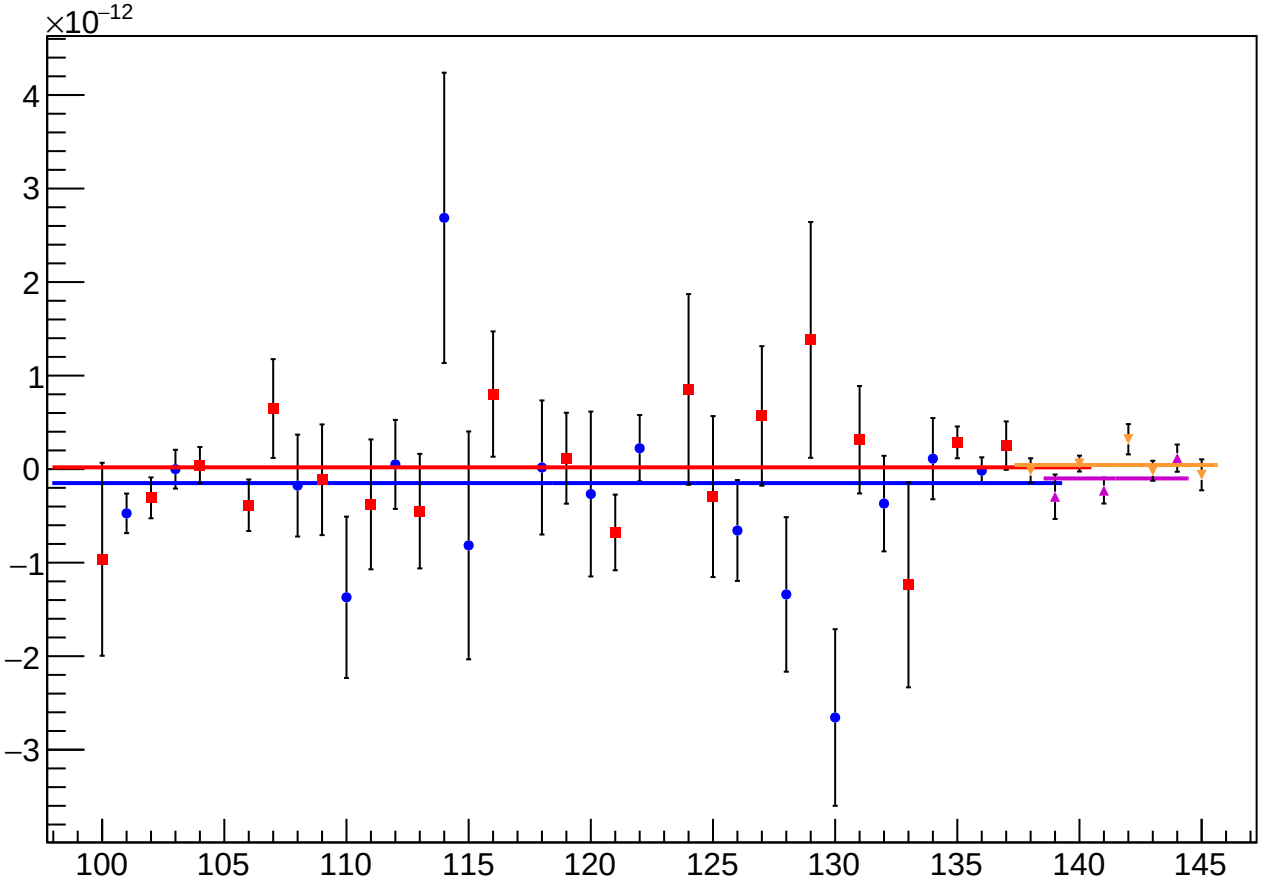
Left In: 579.968+/-0.266 χ^2/NDF:323487.0/2

+ sign 406.857+/-0.096 χ^2/NDF: 3004332.9/20

All: 382.099+/-0.066 χ^2/NDF: 6483244.1/42

- sign 359.596+/-0.091 χ^2/NDF: 3351176.4/21

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

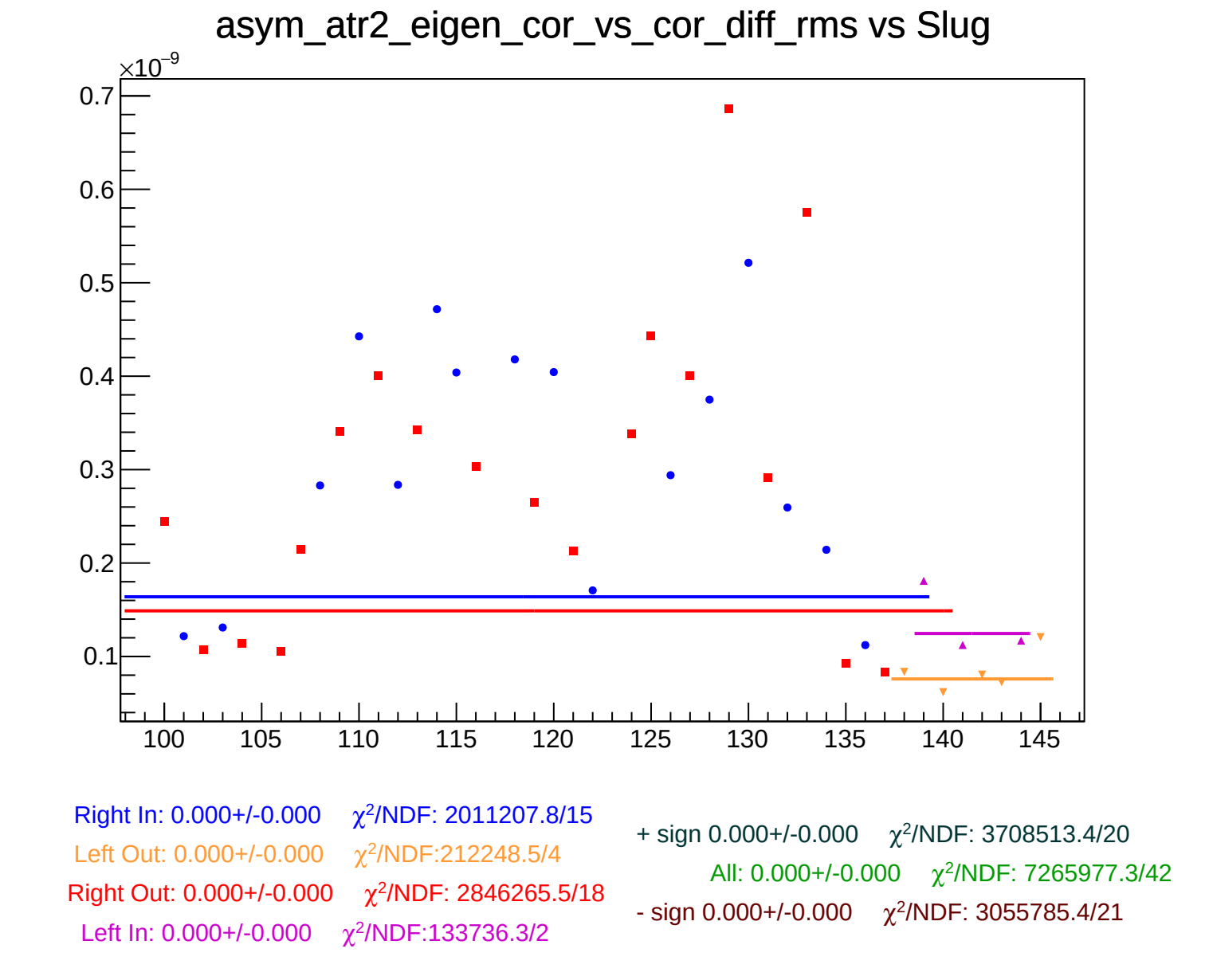
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/2

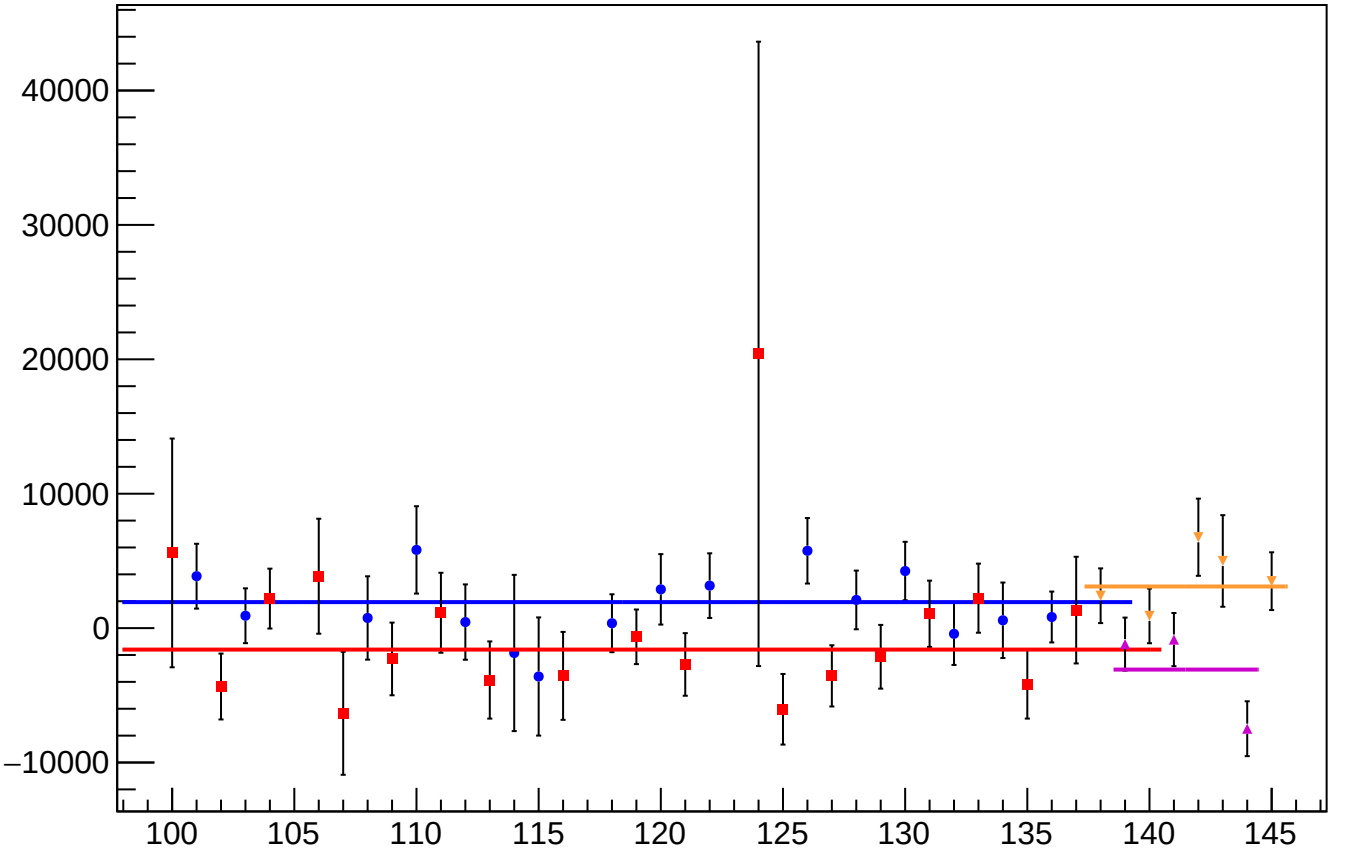
+ sign -0.000+/-0.000 χ^2/NDF: 28.7/20

All: -0.000+/-0.000 χ^2/NDF: 52.9/42

- sign -0.000+/-0.000 χ^2/NDF: 24.1/21


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:212248.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 2846265.5/18
Left In: 0.000+/-0.000 χ²/NDF:133736.3/2
+ sign 0.000+/-0.000 χ²/NDF: 3708513.4/20
All: 0.000+/-0.000 χ²/NDF: 7265977.3/42
- sign 0.000+/-0.000 χ²/NDF: 3055785.4/21

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

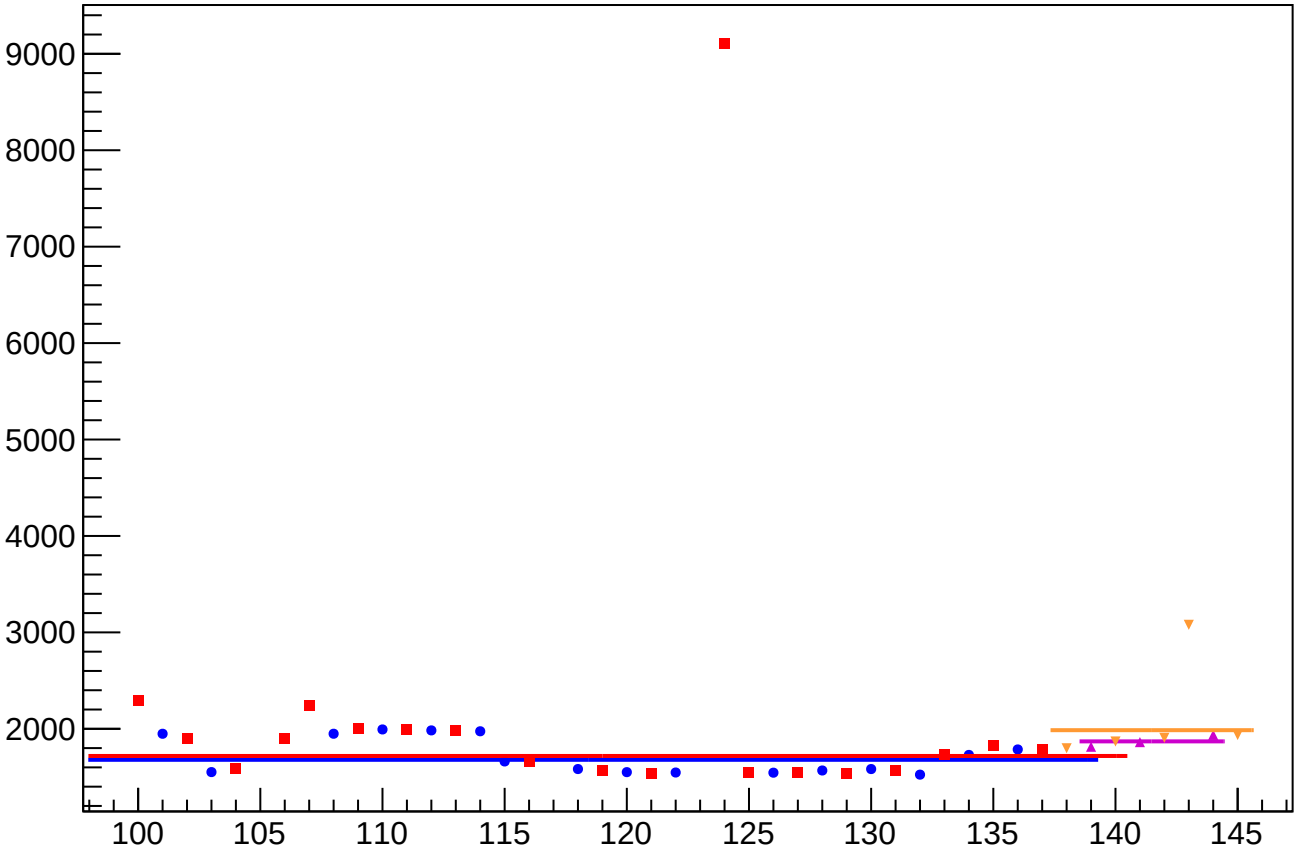
Left In: -3084.882+/-1153.264 χ^2/NDF:6.8/2

+ sign 2240.723+/-538.875 χ^2/NDF: 15.0/20

All: 229.965+/-388.655 χ^2/NDF: 71.6/42

- sign -1949.907+/-561.079 χ^2/NDF: 27.5/21

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

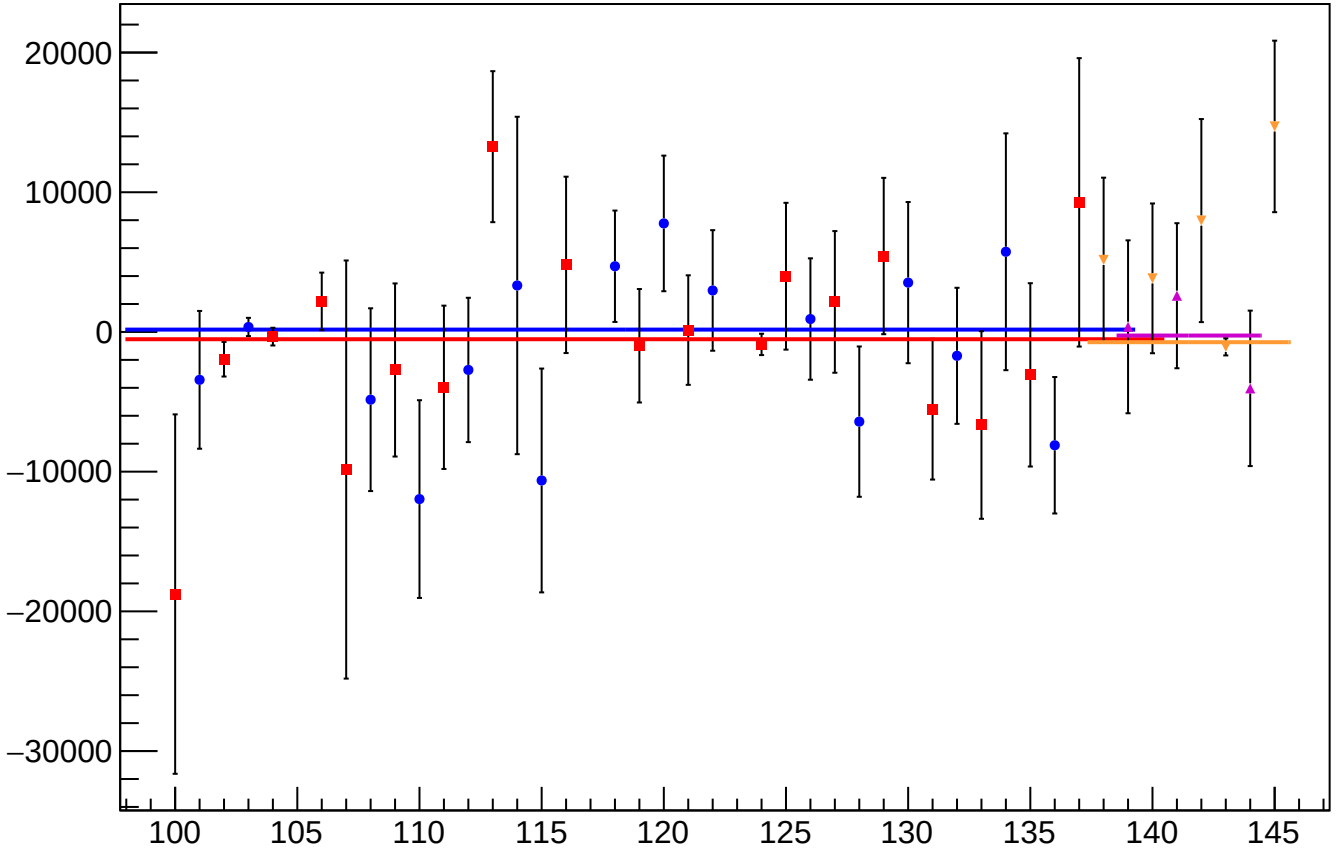
Left In: 1869.637+/-0.815 χ^2/NDF:3805.5/2

+ sign 1759.469+/-0.381 χ^2/NDF: 499537.7/20

All: 1756.773+/-0.274 χ^2/NDF: 912969.3/42

- sign 1753.872+/-0.395 χ^2/NDF: 413327.7/21

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

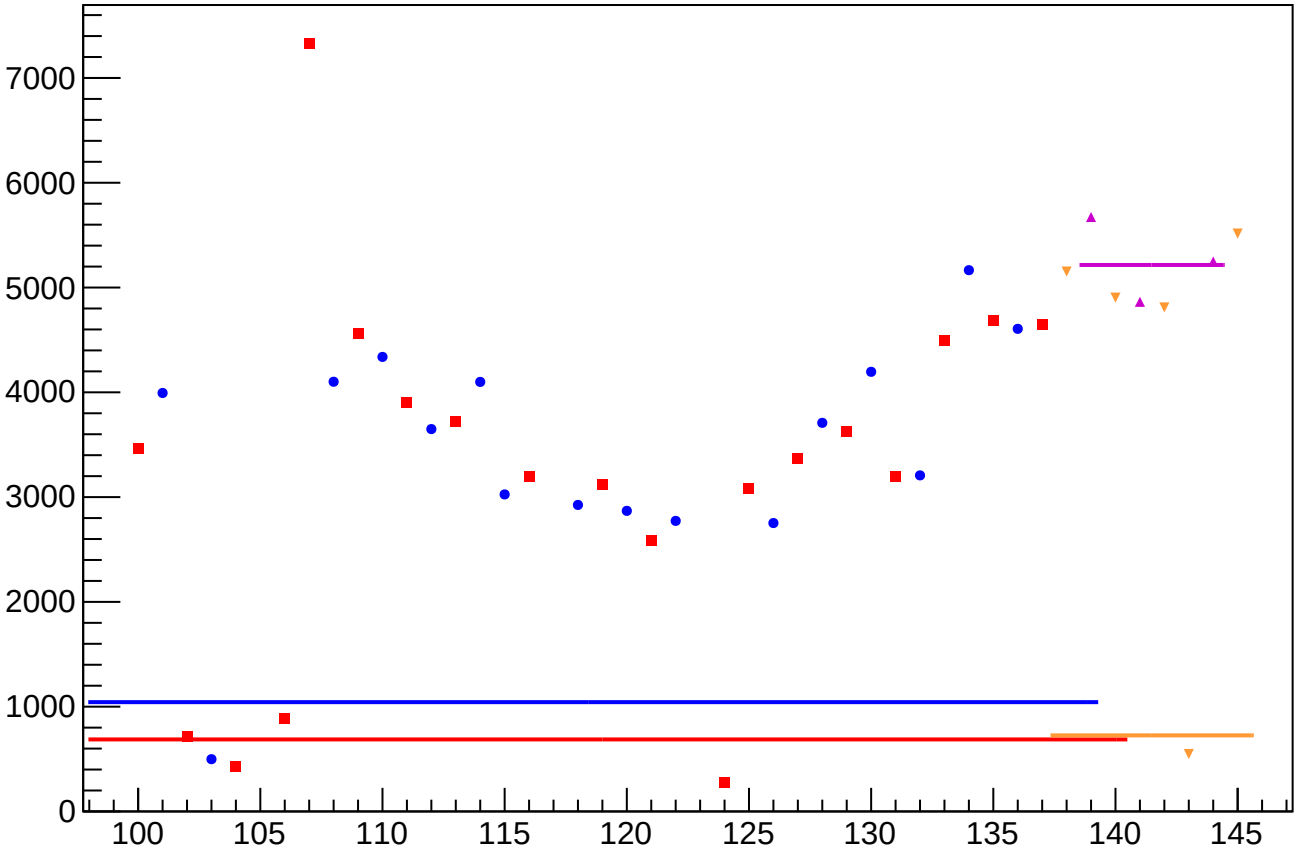
Left In: -257.537+/-3235.691 χ^2/NDF:0.8/2

+ sign -277.236+/-420.693 χ^2/NDF: 26.8/20

All: -396.790+/-297.643 χ^2/NDF: 46.3/42

- sign -516.615+/-421.169 χ^2/NDF: 19.3/21

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

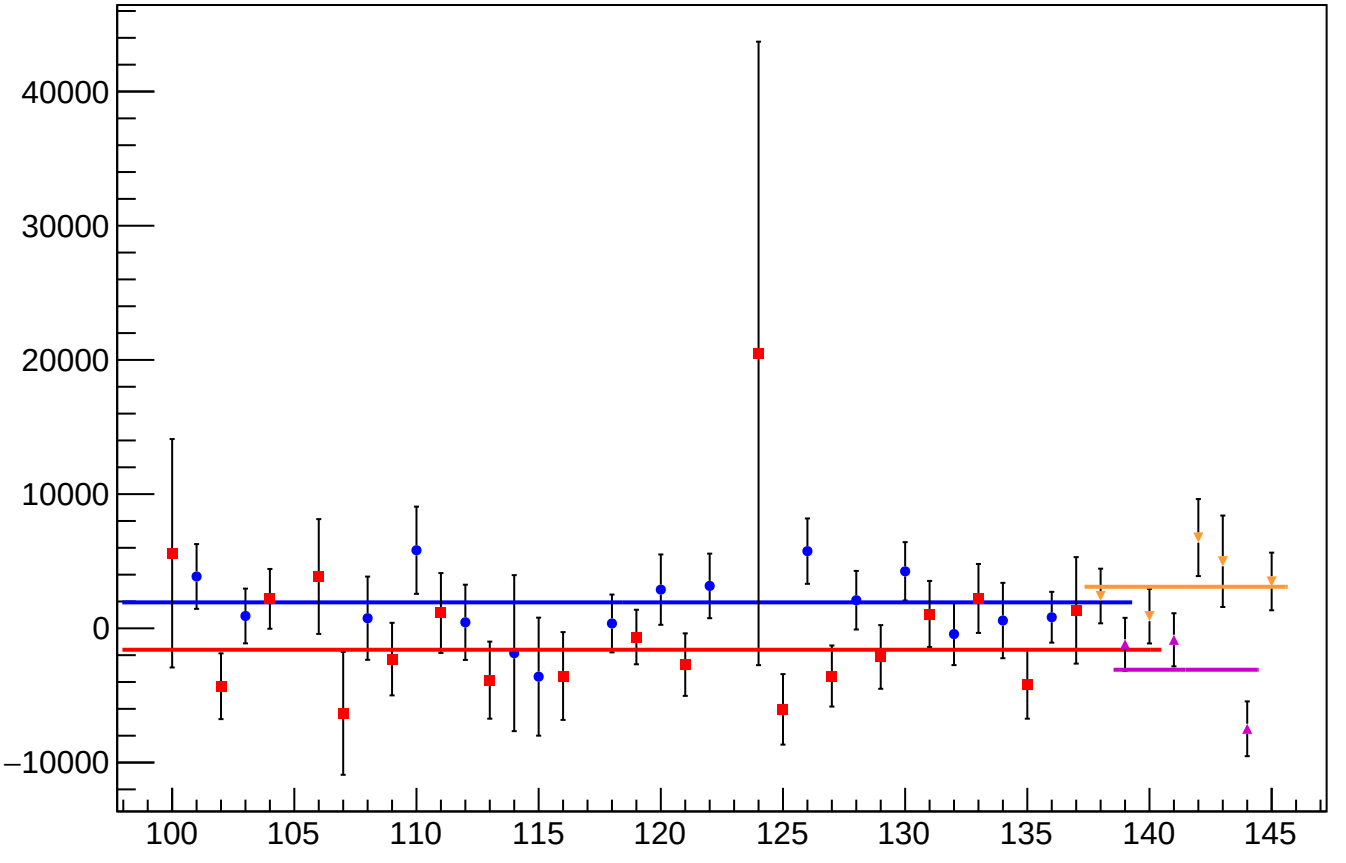
Left In: 5215.435+/-2.288 χ^2/NDF:20173.5/2

+ sign 886.397+/-0.297 χ^2/NDF: 12760142.7/20

All: 825.291+/-0.210 χ^2/NDF: 25346751.3/42

- sign 764.047+/-0.298 χ^2/NDF: 12502122.2/21

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

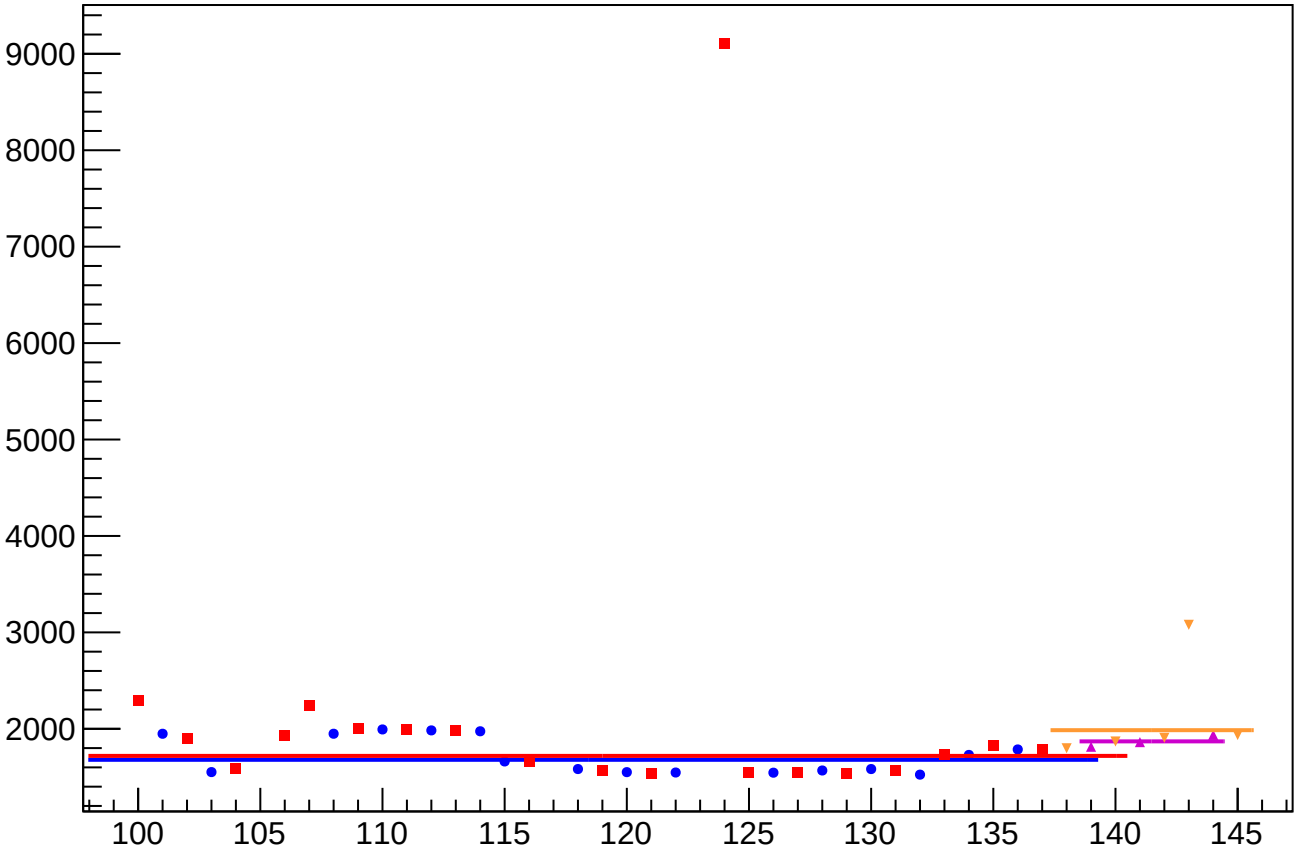
Left In: -3085.068+/-1153.264 χ^2/NDF:6.8/2

+ sign 2240.858+/-538.875 χ^2/NDF: 15.0/20

All: 230.918+/-388.656 χ^2/NDF: 71.5/42

- sign -1948.094+/-561.082 χ^2/NDF: 27.5/21

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

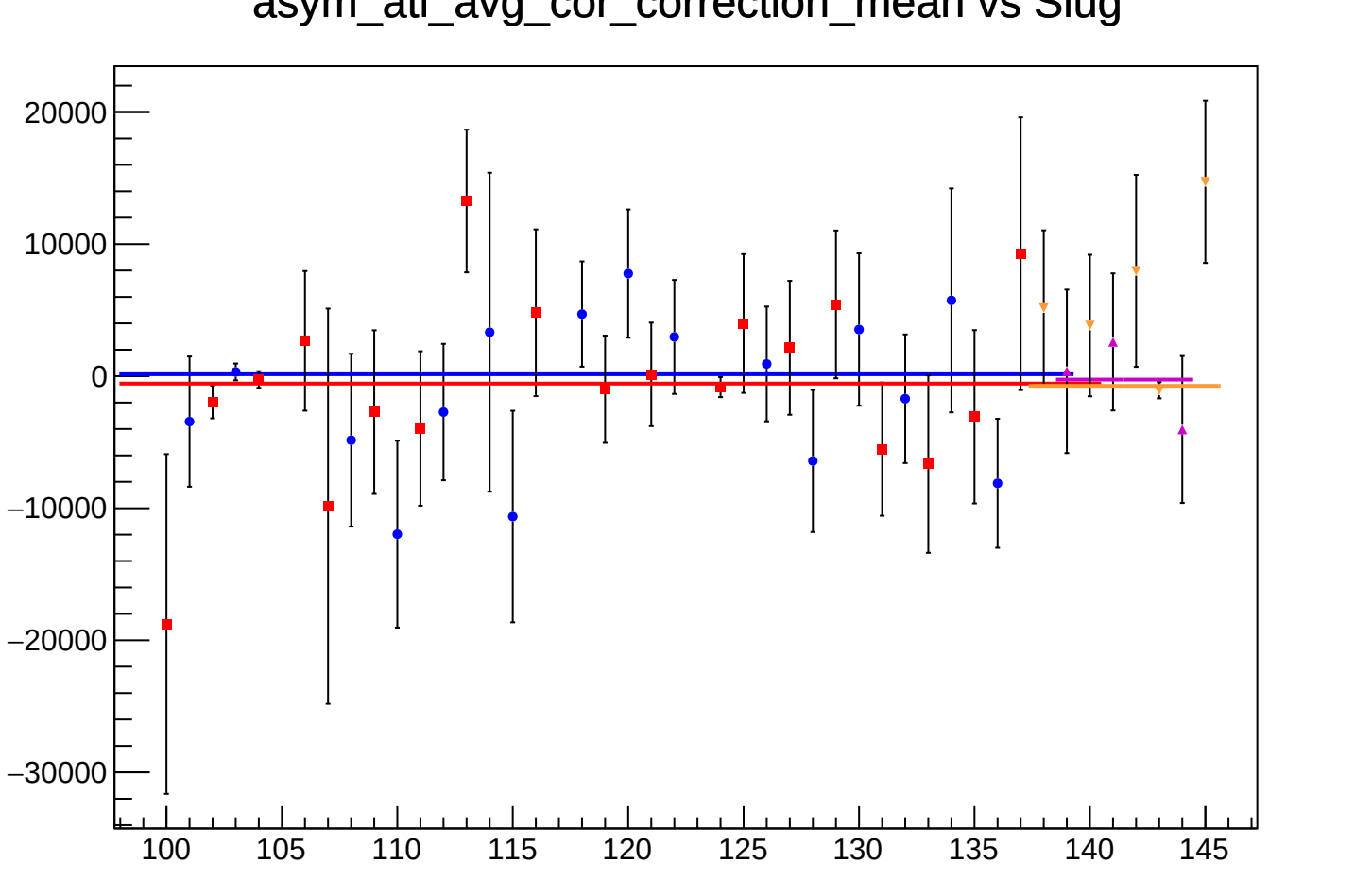
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1869.637+/-0.815 χ^2/NDF:3805.5/2

+ sign 1759.469+/-0.381 χ^2/NDF: 499537.9/20

All: 1757.094+/-0.274 χ^2/NDF: 914393.5/42

- sign 1754.537+/-0.395 χ^2/NDF: 414775.0/21



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

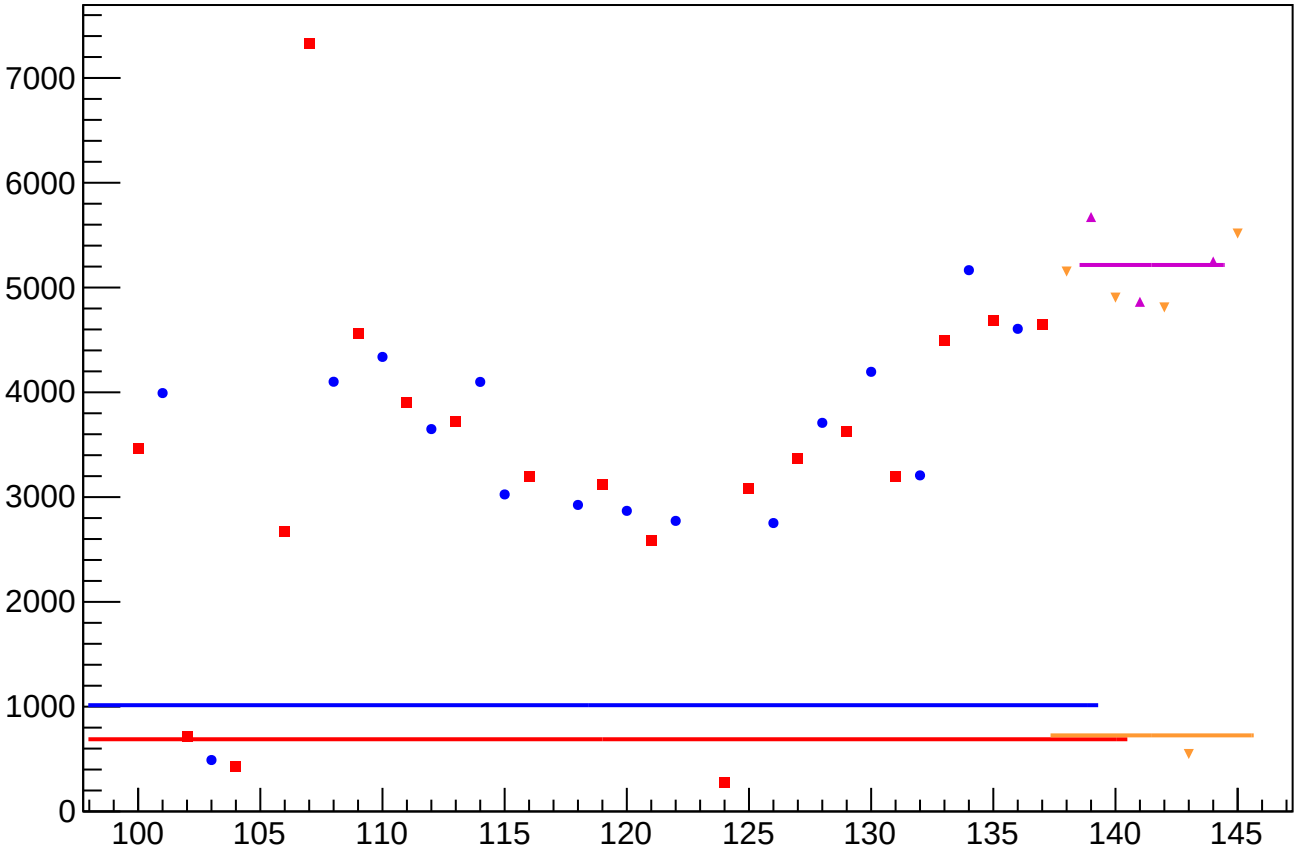
Left In: -257.668+/-3235.689 χ^2/NDF:0.8/2

+ sign -278.862+/-416.211 χ^2/NDF: 26.7/20

All: -414.014+/-297.999 χ^2/NDF: 44.9/42

- sign -556.168+/-426.858 χ^2/NDF: 18.0/21

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

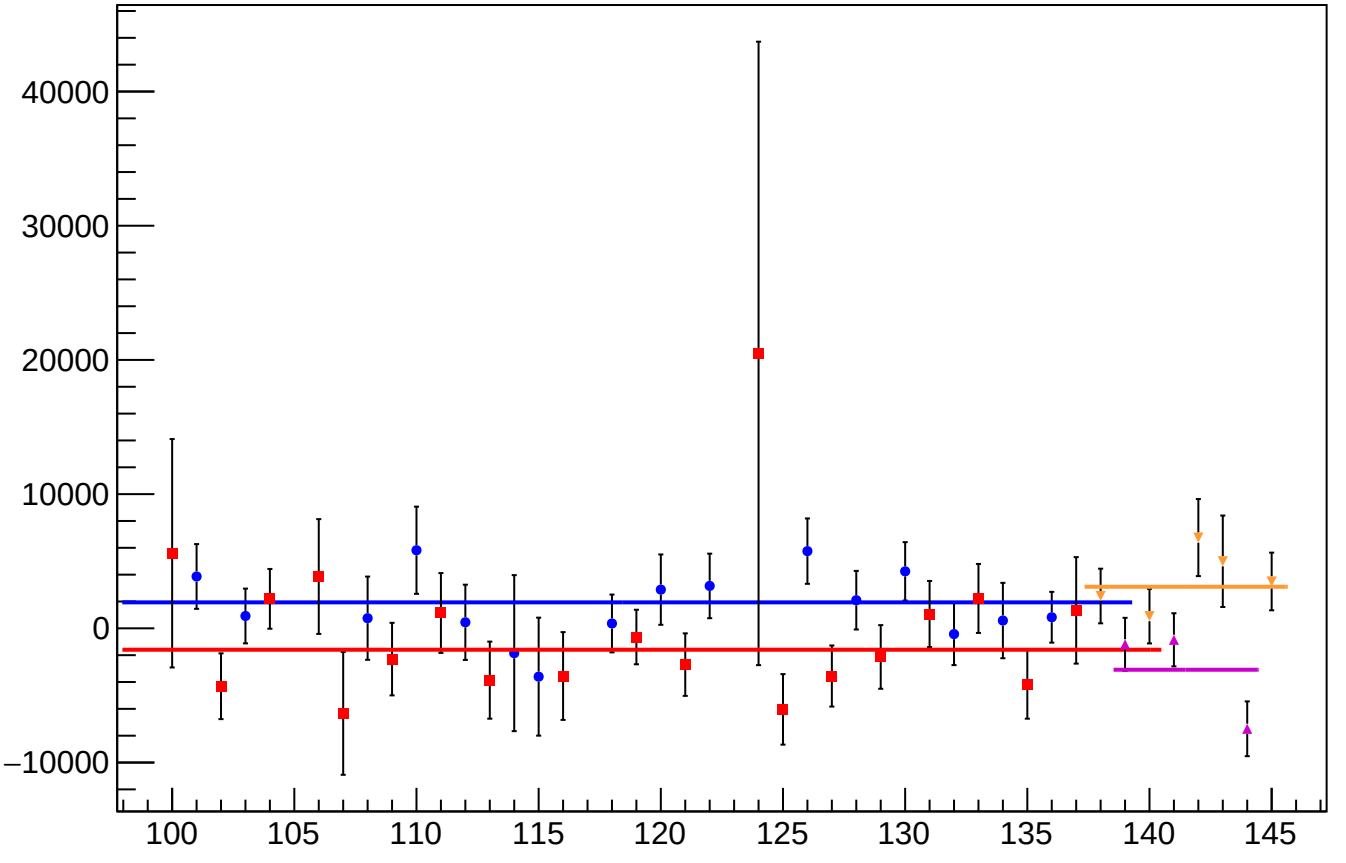
Left In: 5215.431+/-2.288 χ^2/NDF:20173.9/2

+ sign 874.710+/-0.294 χ^2/NDF: 12826630.5/20

All: 822.619+/-0.211 χ^2/NDF: 25667127.7/42

- sign 767.829+/-0.302 χ^2/NDF: 12776217.9/21

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

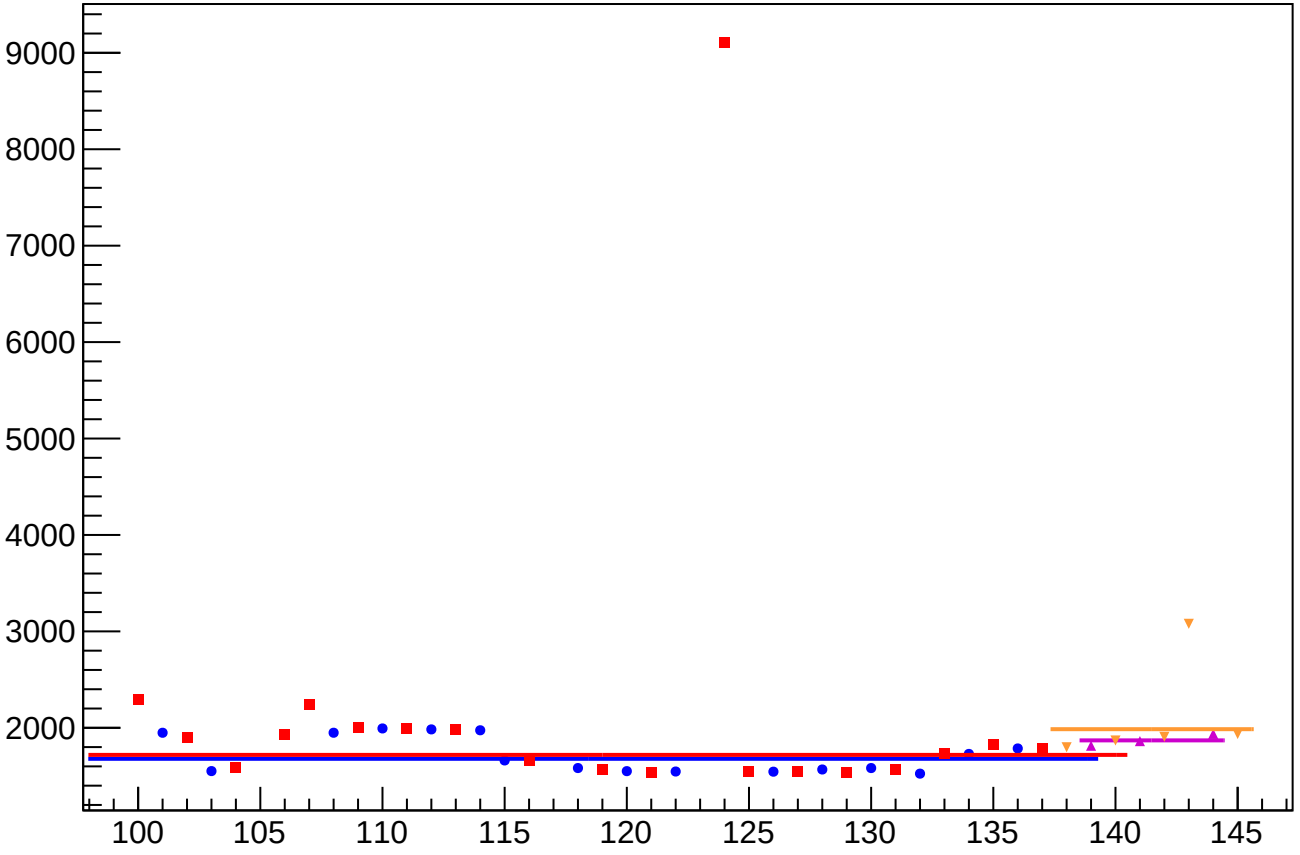
Left In: -3085.068+/-1153.264 χ^2/NDF:6.8/2

+ sign 2240.858+/-538.875 χ^2/NDF: 15.0/20

All: 230.918+/-388.656 χ^2/NDF: 71.5/42

- sign -1948.094+/-561.082 χ^2/NDF: 27.5/21

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

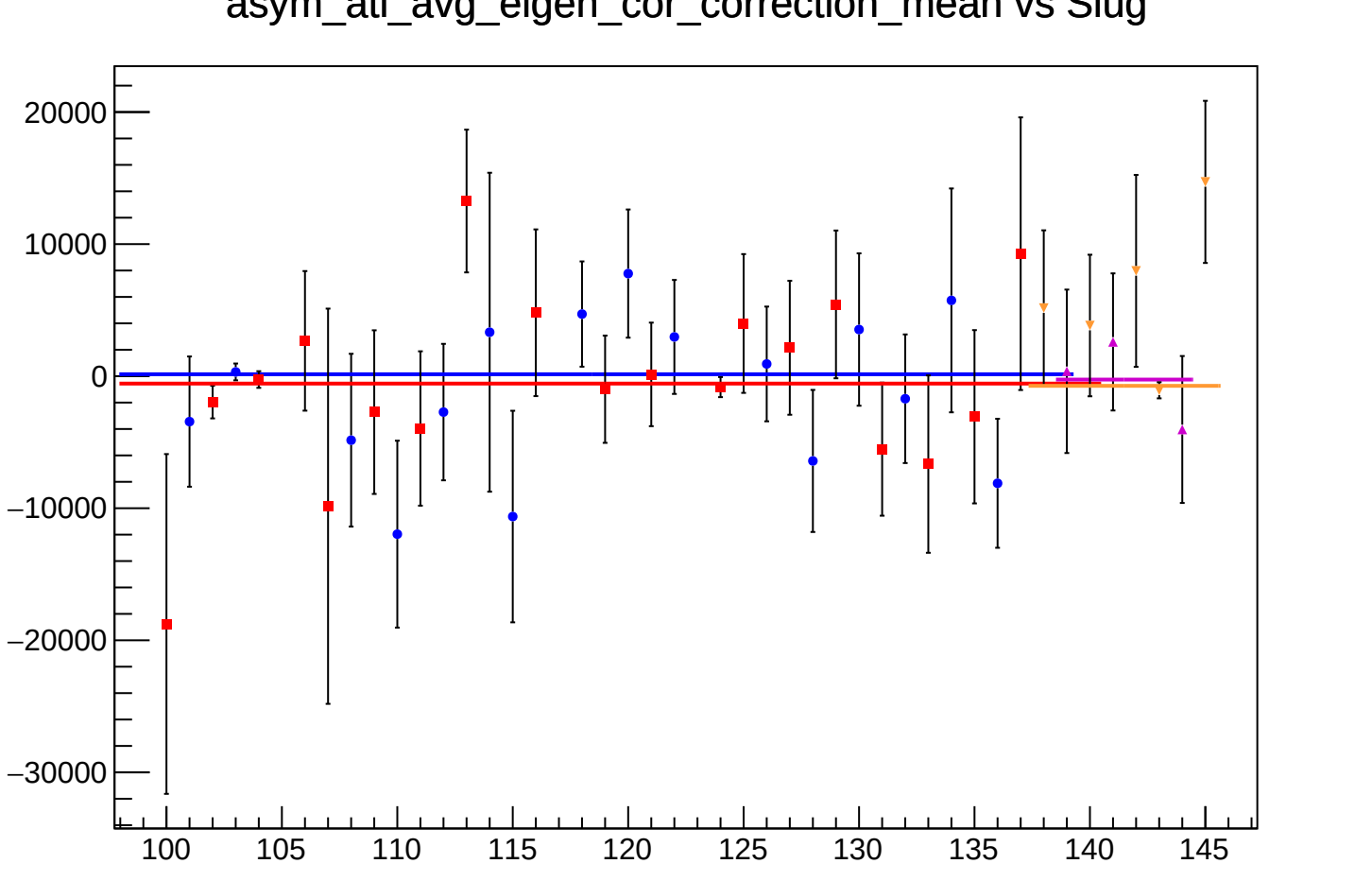
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1869.637+/-0.815 χ^2/NDF:3805.5/2

+ sign 1759.469+/-0.381 χ^2/NDF: 499537.9/20

All: 1757.094+/-0.274 χ^2/NDF: 914393.5/42

- sign 1754.537+/-0.395 χ^2/NDF: 414775.0/21



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -732.586+/-598.325 χ^2/NDF:9.8/4

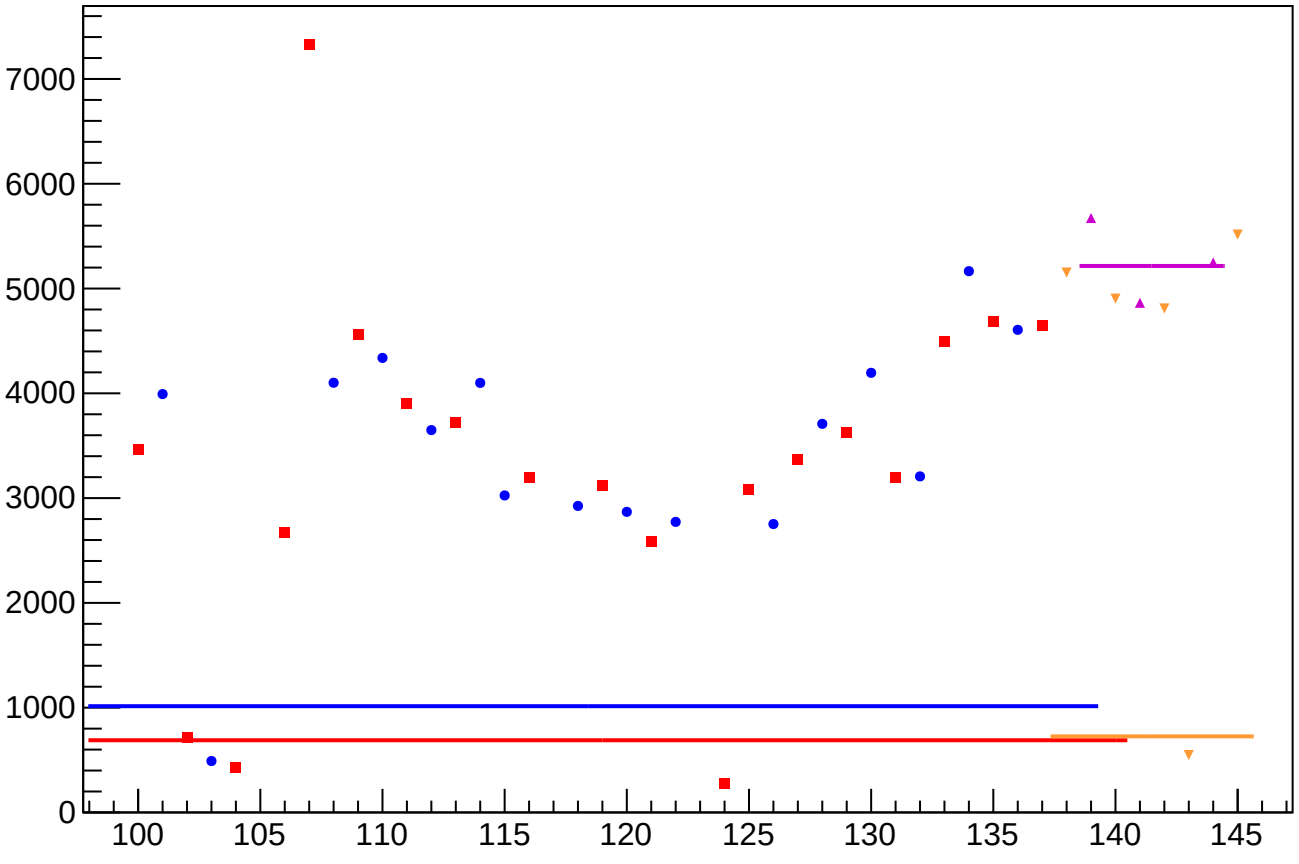
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -257.668+/-3235.689 χ^2/NDF:0.8/2

+ sign -278.862+/-416.211 χ^2/NDF: 26.7/20

All: -414.014+/-297.999 χ^2/NDF: 44.9/42

- sign -556.168+/-426.858 χ^2/NDF: 18.0/21



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

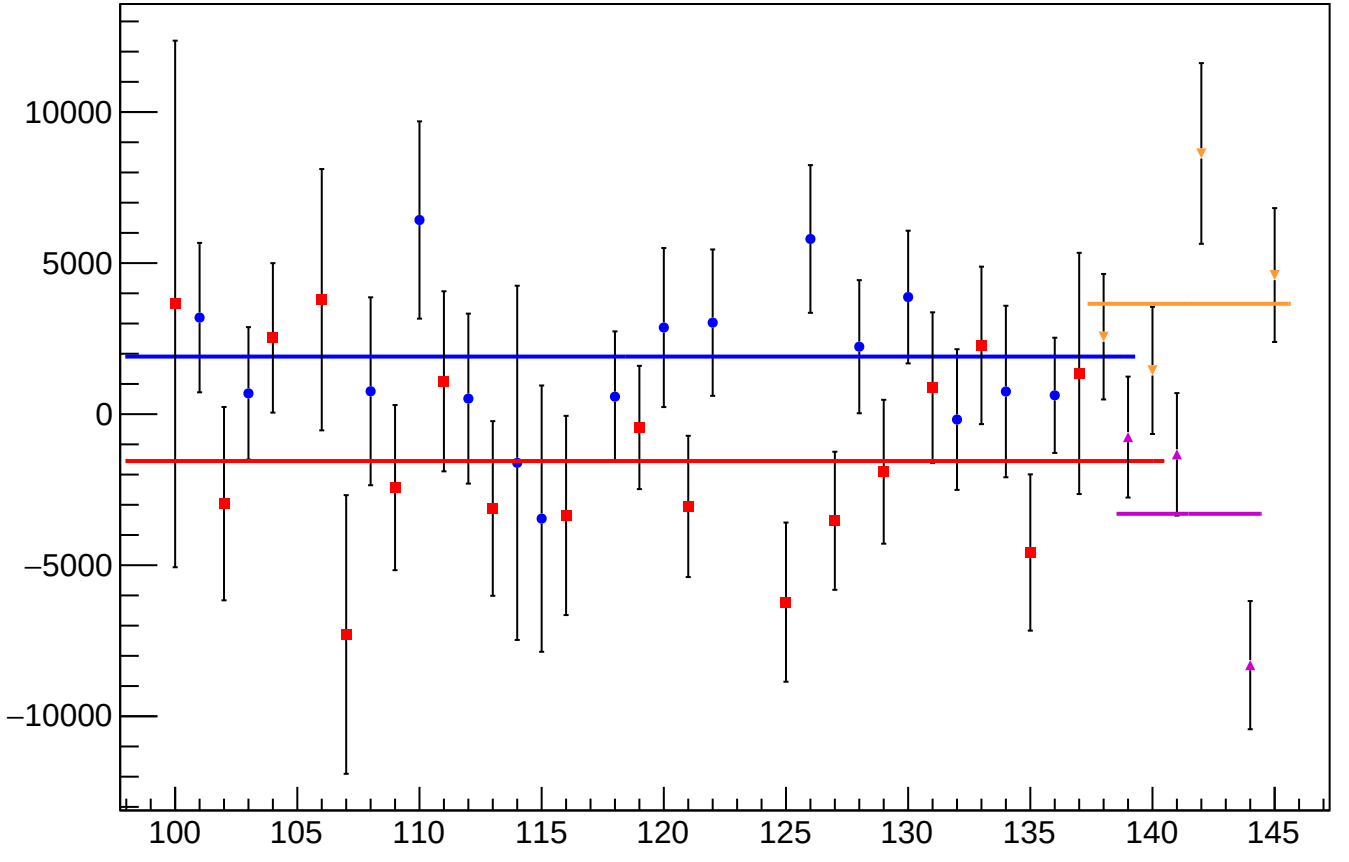
Left In: 5215.431+/-2.288 χ^2/NDF:20173.9/2

+ sign 874.710+/-0.294 χ^2/NDF: 12826630.5/20

All: 822.619+/-0.211 χ^2/NDF: 25667127.7/42

- sign 767.829+/-0.302 χ^2/NDF: 12776217.9/21

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

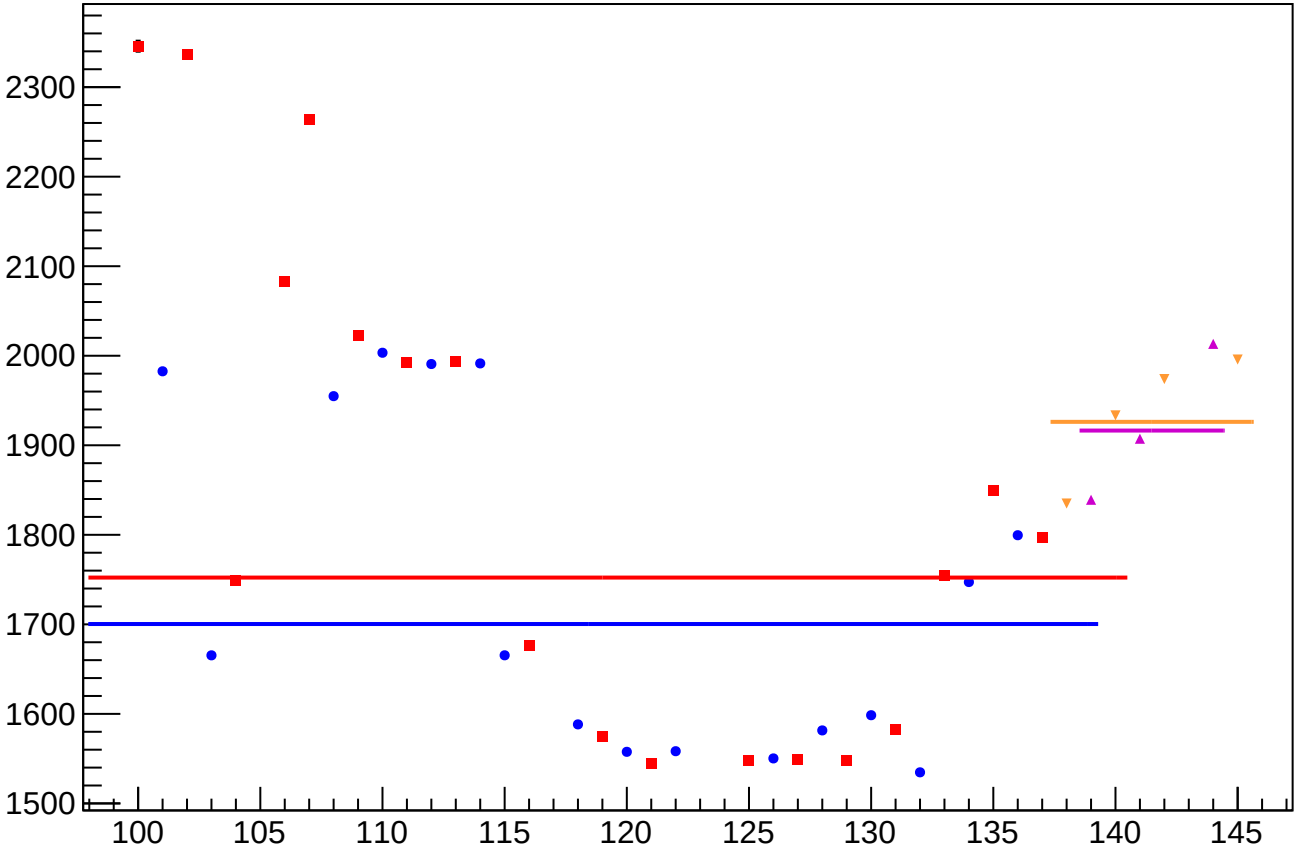
Left In: -3298.170+/-1182.639 χ^2/NDF:8.1/2

+ sign 2322.777+/-555.421 χ^2/NDF: 16.3/19

All: 259.744+/-400.163 χ^2/NDF: 72.3/40

- sign -1966.923+/-577.028 χ^2/NDF: 27.2/20

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

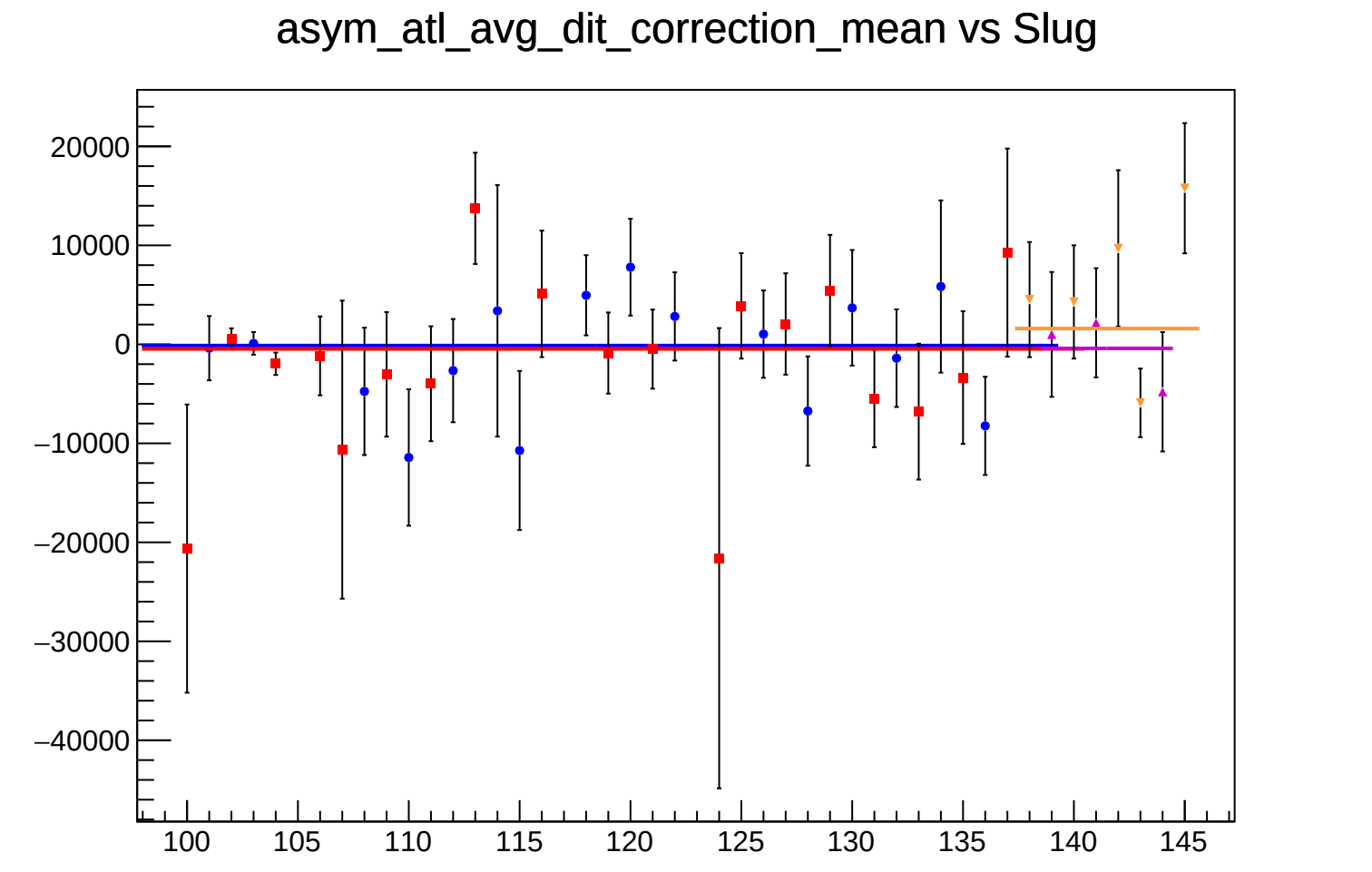
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1916.441+/-0.836 χ^2/NDF:7187.8/2

+ sign 1754.187+/-0.393 χ^2/NDF: 201804.7/19

All: 1772.016+/-0.283 χ^2/NDF: 490631.7/40

- sign 1791.193+/-0.407 χ^2/NDF: 284549.4/20



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

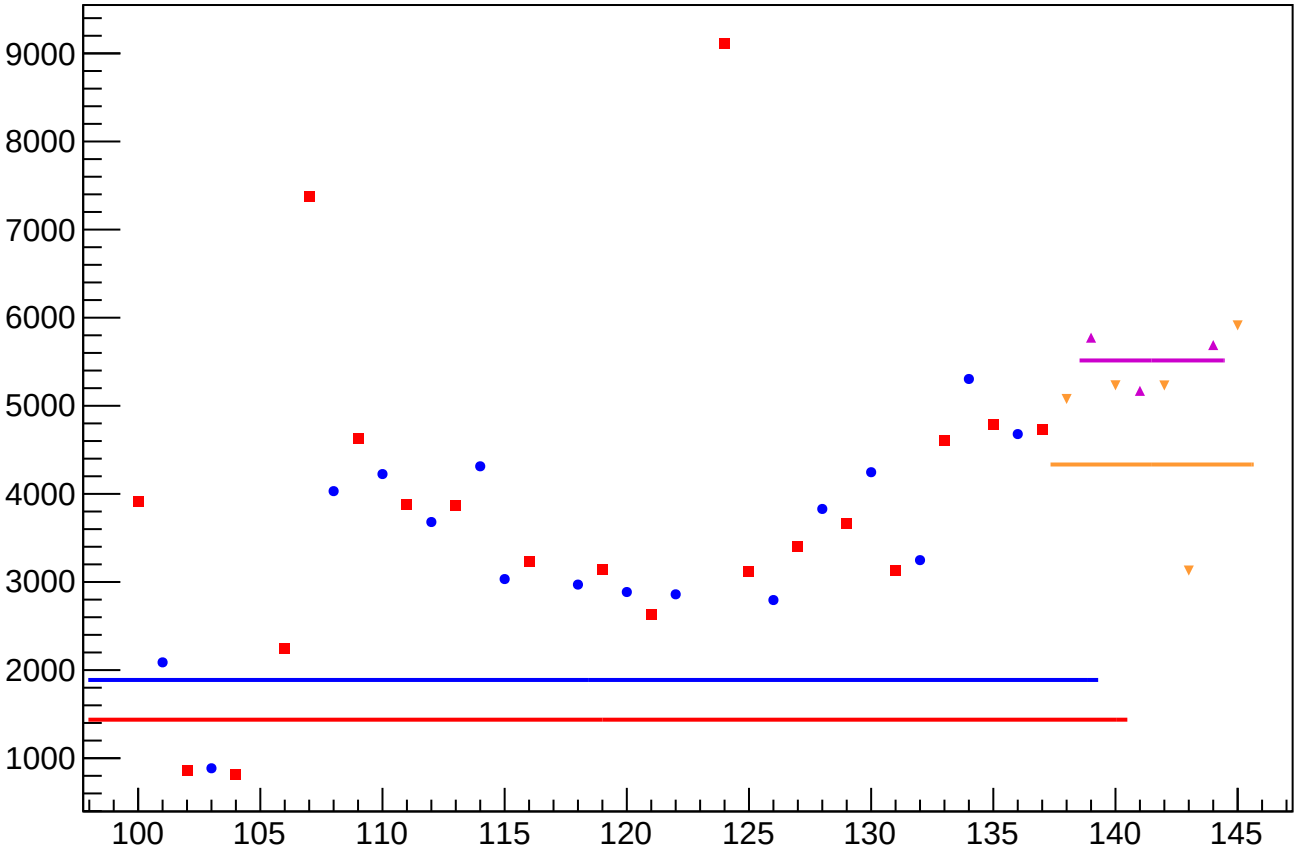
Left In: -410.399+/-3419.336 χ^2/NDF:0.8/2

+ sign 82.702+/-813.530 χ^2/NDF: 26.4/20

All: -240.720+/-515.403 χ^2/NDF: 46.0/42

- sign -457.570+/-666.144 χ^2/NDF: 19.3/21

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

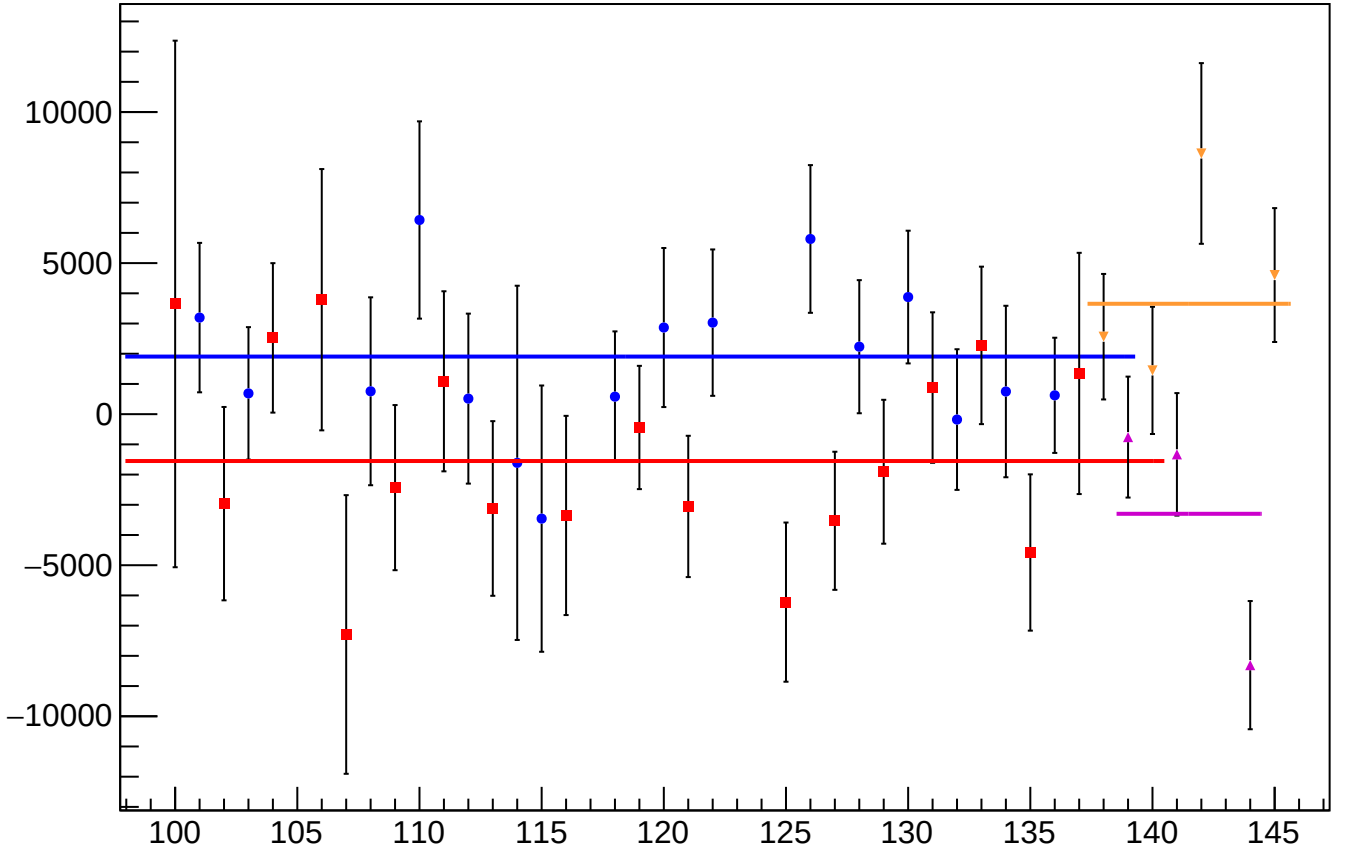
Left In: 5514.607+/-2.418 χ^2/NDF:12870.8/2

+ sign 2183.547+/-0.575 χ^2/NDF: 6810545.1/20

All: 1829.348+/-0.364 χ^2/NDF: 16157012.3/4

- sign 1591.864+/-0.471 χ^2/NDF: 8713153.7/21

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

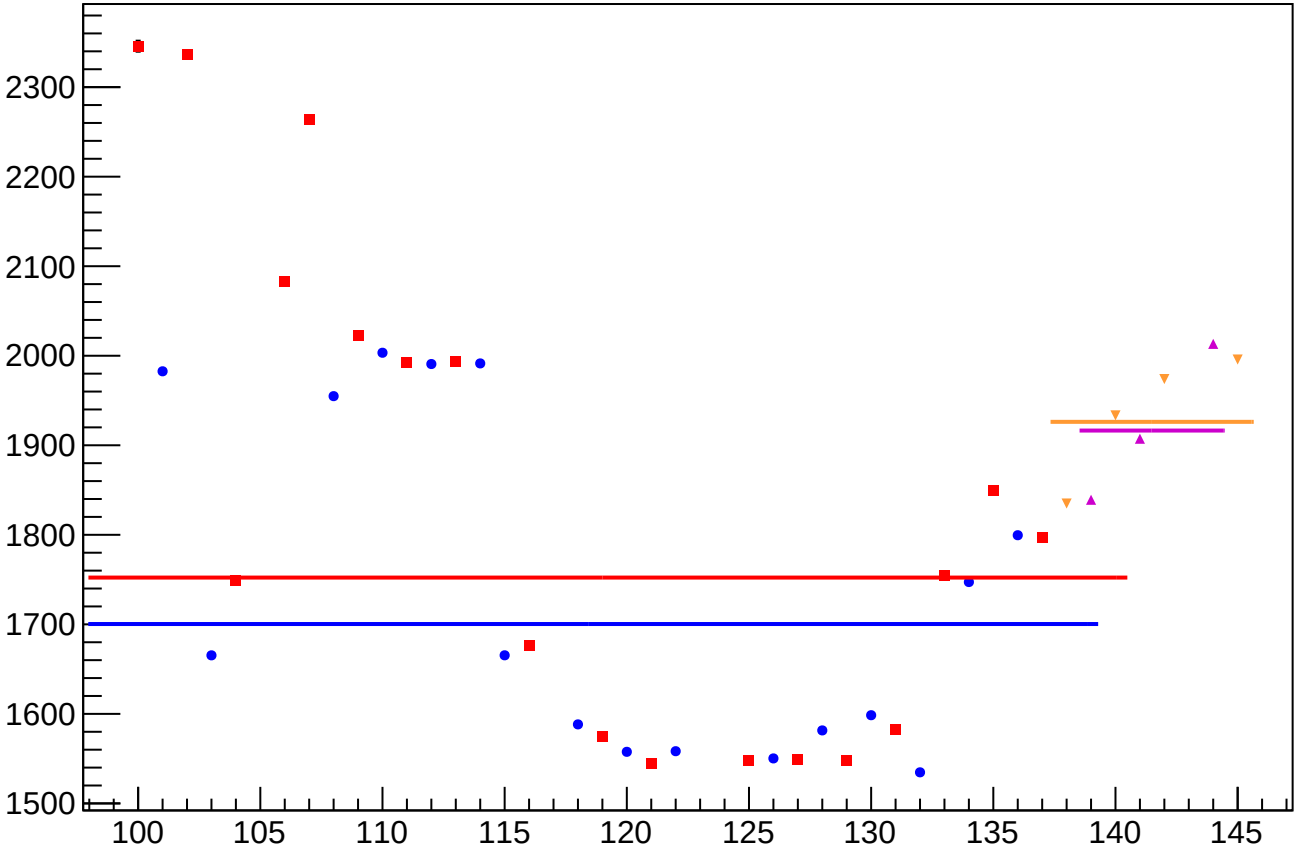
Left In: -3298.171+/-1182.640 χ^2/NDF:8.1/2

+ sign 2322.781+/-555.421 χ^2/NDF: 16.3/19

All: 259.747+/-400.163 χ^2/NDF: 72.3/40

- sign -1966.921+/-577.028 χ^2/NDF: 27.2/20

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

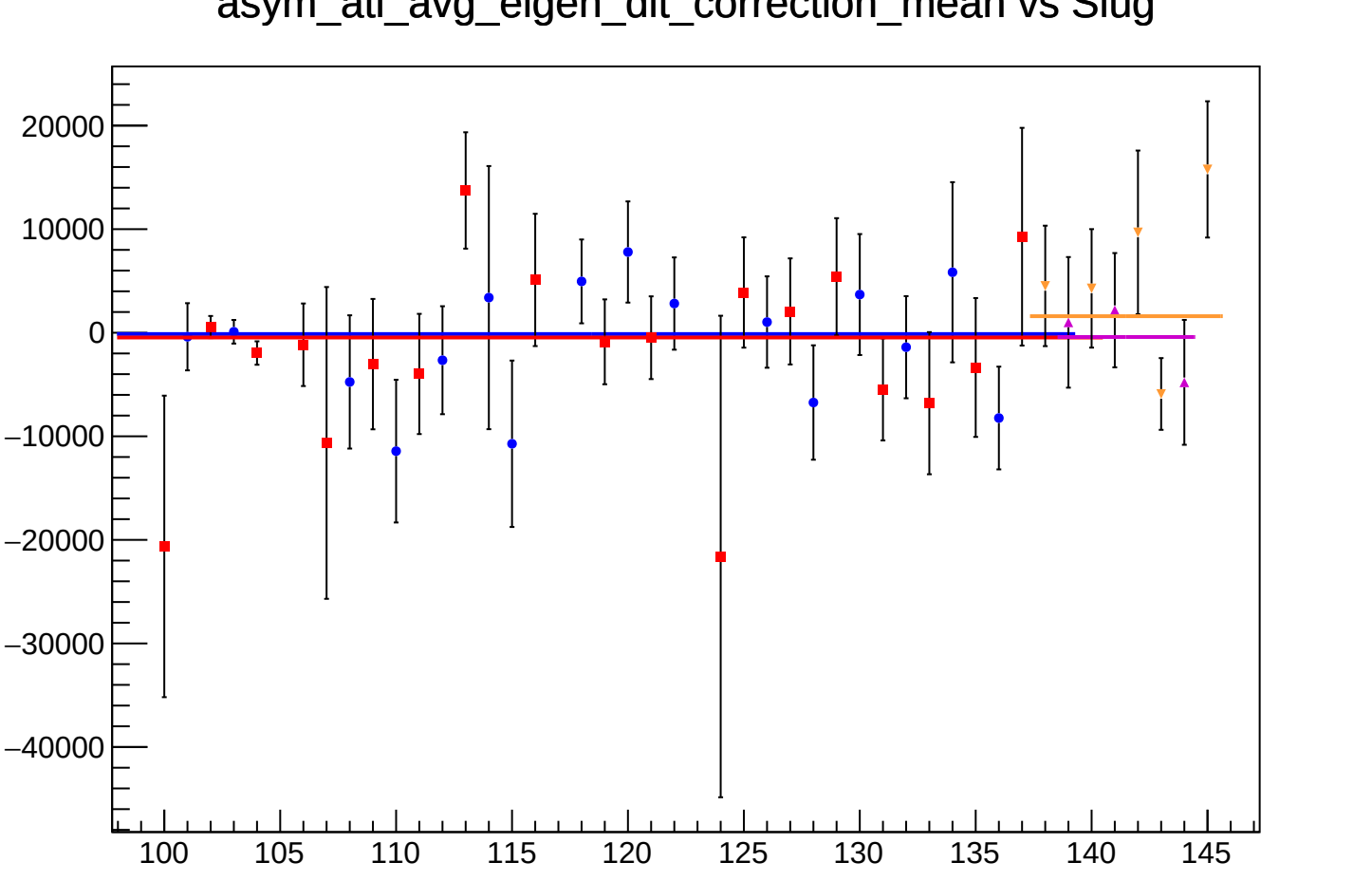
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1916.443+/-0.836 χ^2/NDF:7187.9/2

+ sign 1754.187+/-0.393 χ^2/NDF: 201806.1/19

All: 1772.017+/-0.283 χ^2/NDF: 490633.3/40

- sign 1791.193+/-0.407 χ^2/NDF: 284549.7/20



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

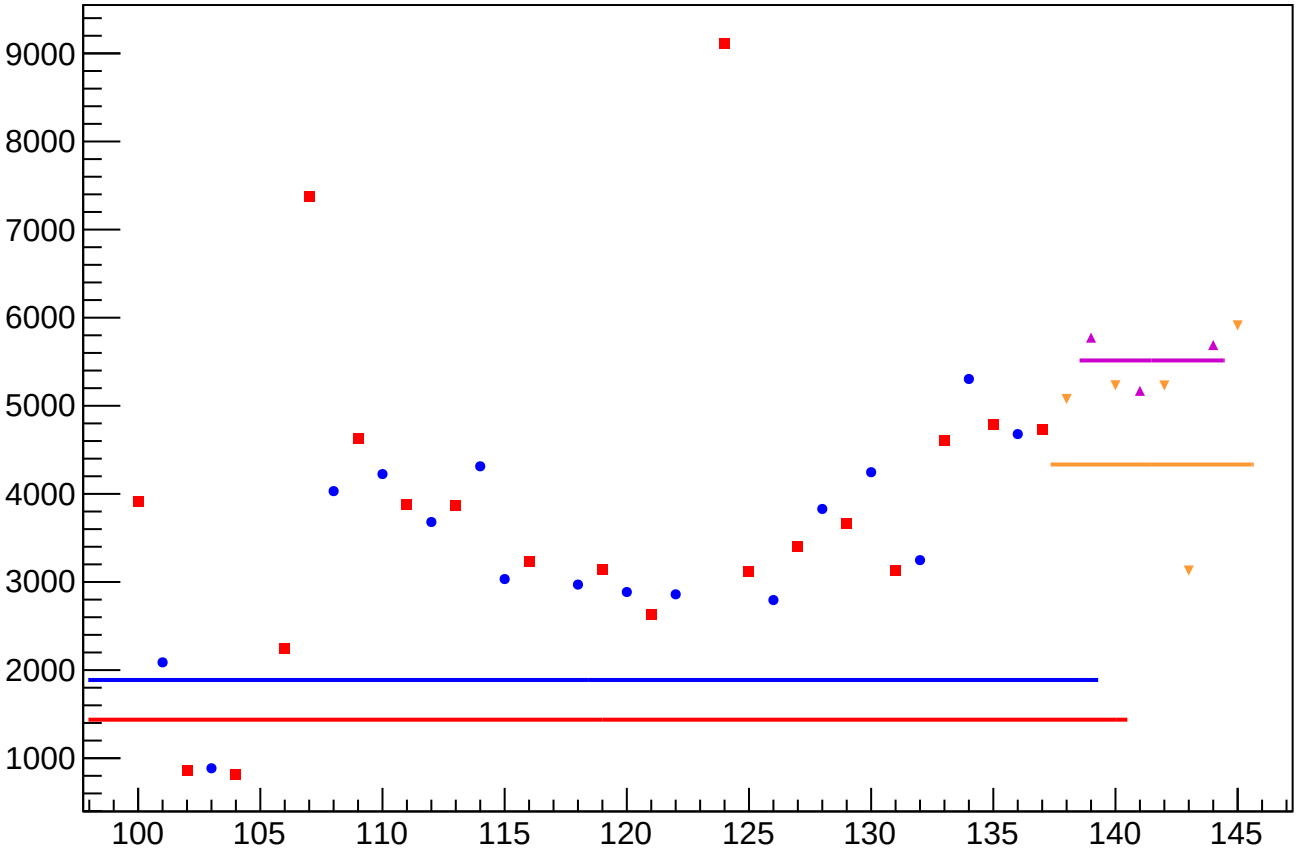
Left In: -410.401+/-3419.344 χ^2/NDF:0.8/2

+ sign 82.702+/-813.526 χ^2/NDF: 26.4/20

All: -240.720+/-515.400 χ^2/NDF: 46.0/42

- sign -457.569+/-666.139 χ^2/NDF: 19.3/21

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

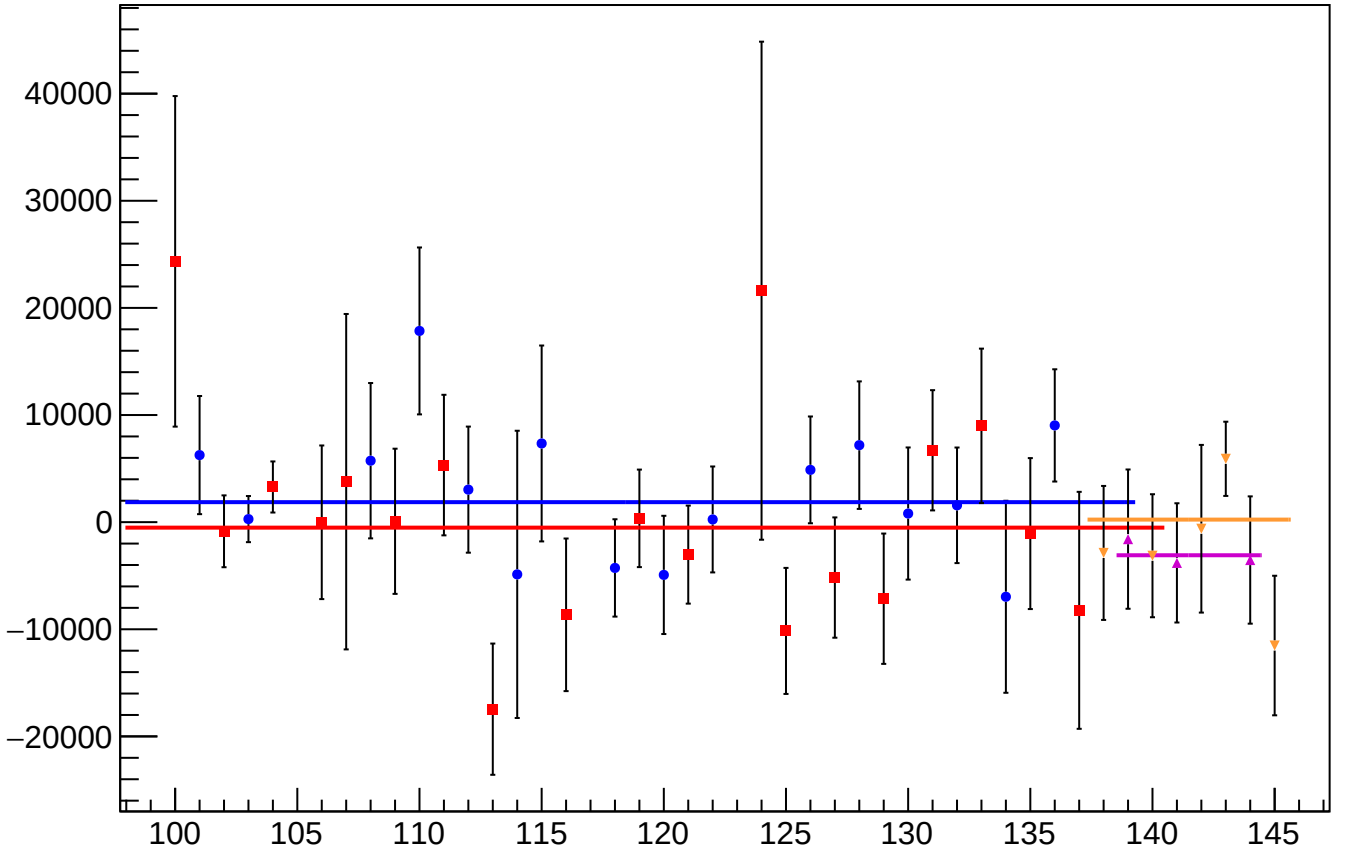
Left In: 5514.620+/-2.418 χ^2/NDF:12871.2/2

+ sign 2183.529+/-0.575 χ^2/NDF: 6810618.2/20

All: 1829.331+/-0.364 χ^2/NDF: 16157147.2/4

- sign 1591.848+/-0.471 χ^2/NDF: 8713213.2/21

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

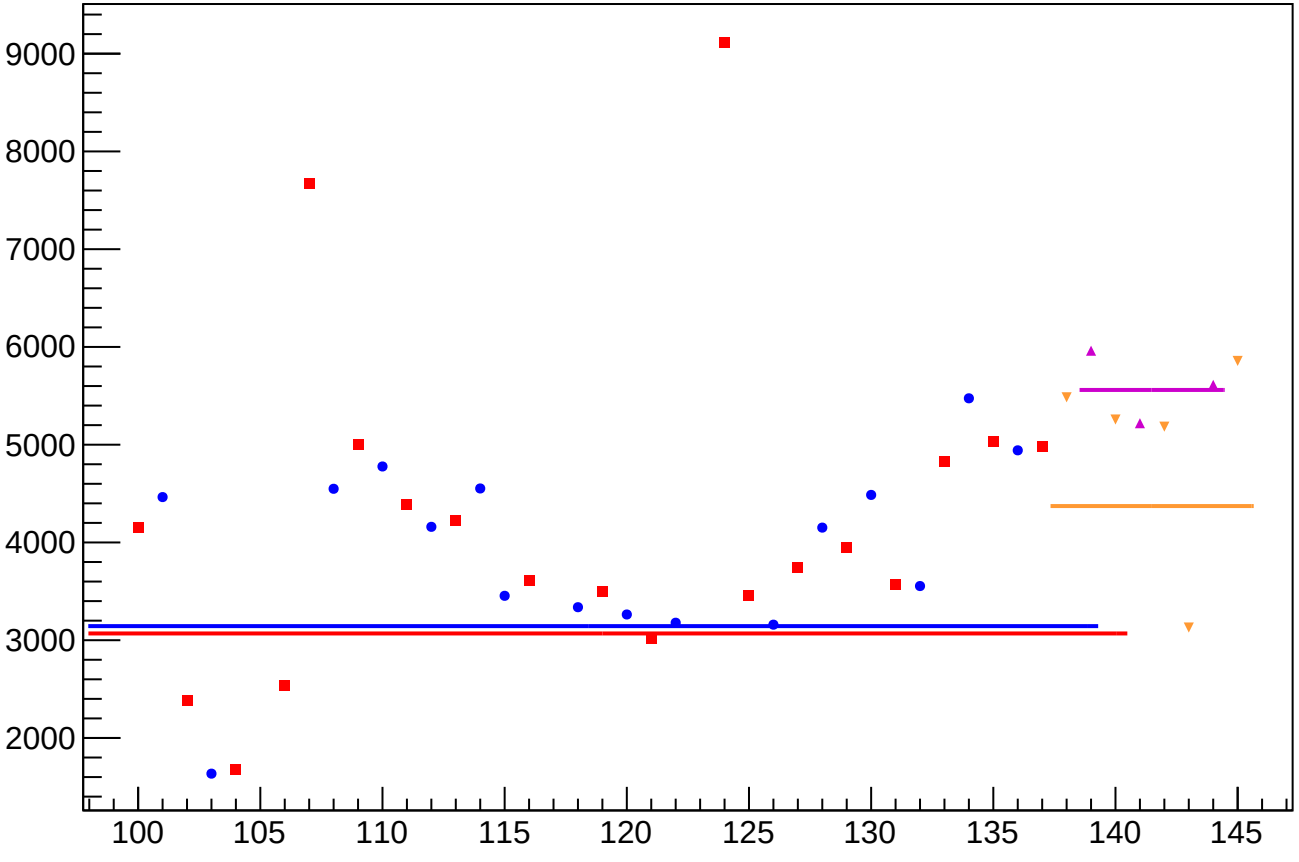
Left In: -3089.985+/-3444.750 χ^2/NDF:0.1/2

+ sign 1506.300+/-1111.239 χ^2/NDF: 20.7/20

All: 406.324+/-805.075 χ^2/NDF: 48.0/42

- sign -808.835+/-1167.973 χ^2/NDF: 25.2/21

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

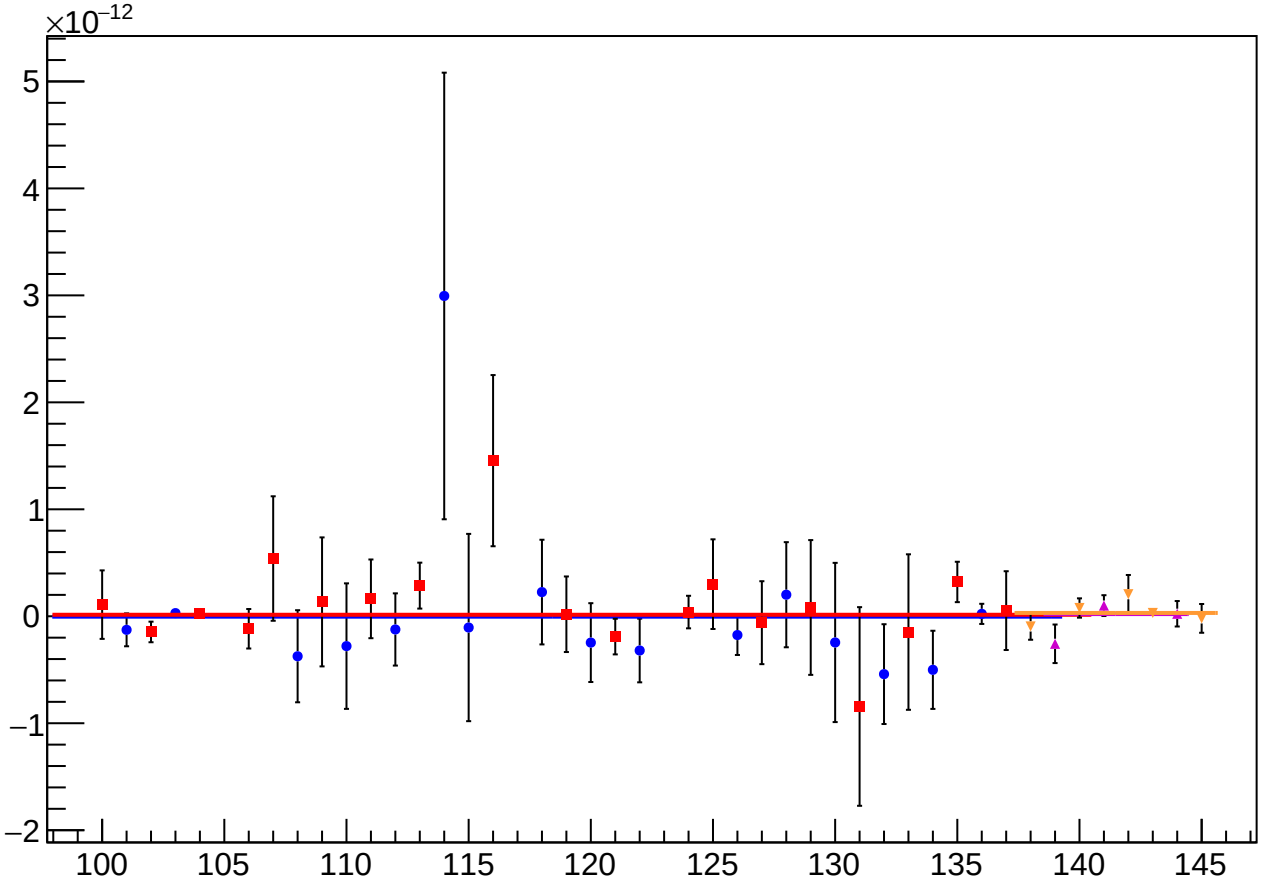
Left In: 5560.071+/-2.436 χ^2/NDF:15257.6/2

+ sign 3415.783+/-0.786 χ^2/NDF: 2797539.2/20

All: 3382.913+/-0.565 χ^2/NDF: 5626955.8/42

- sign 3347.598+/-0.814 χ^2/NDF: 2825786.5/21

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

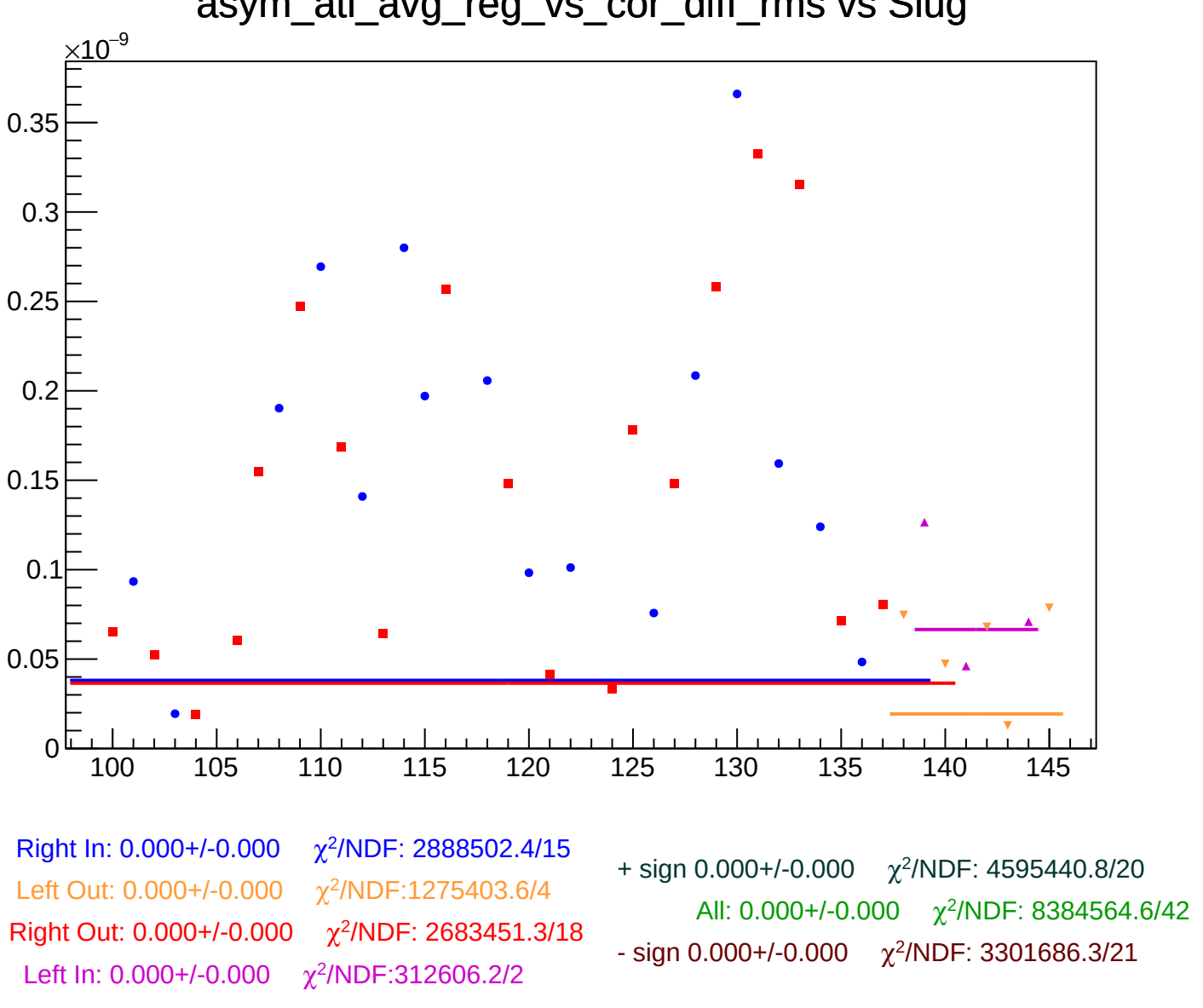
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

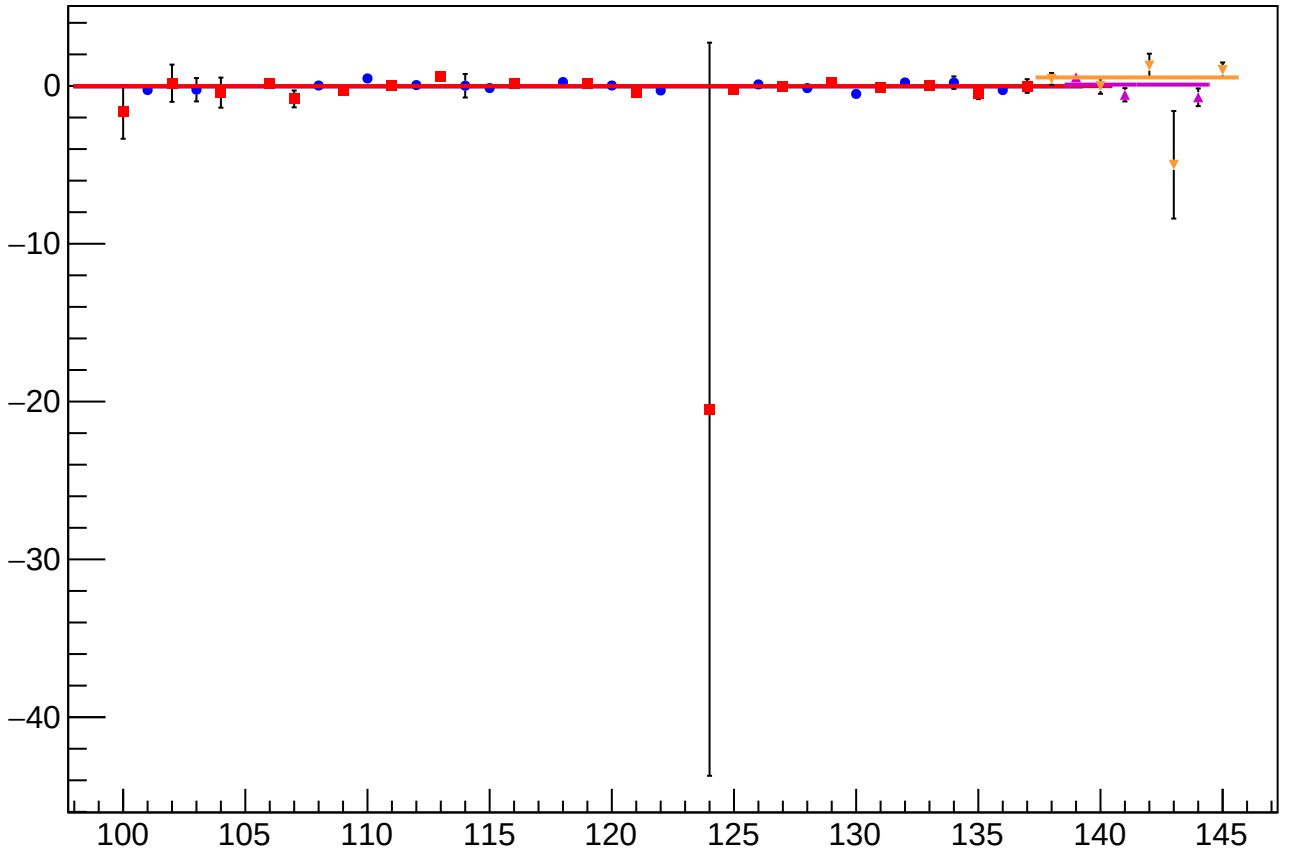
Left In: 0.000+/-0.000 χ^2/NDF:3.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 13.8/20

All: 0.000+/-0.000 χ^2/NDF: 31.8/42

- sign 0.000+/-0.000 χ^2/NDF: 18.0/21


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1275403.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:312606.2/2
+ sign 0.000+/-0.000 χ²/NDF: 4595440.8/20
All: 0.000+/-0.000 χ²/NDF: 8384564.6/42
- sign 0.000+/-0.000 χ²/NDF: 3301686.3/21



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

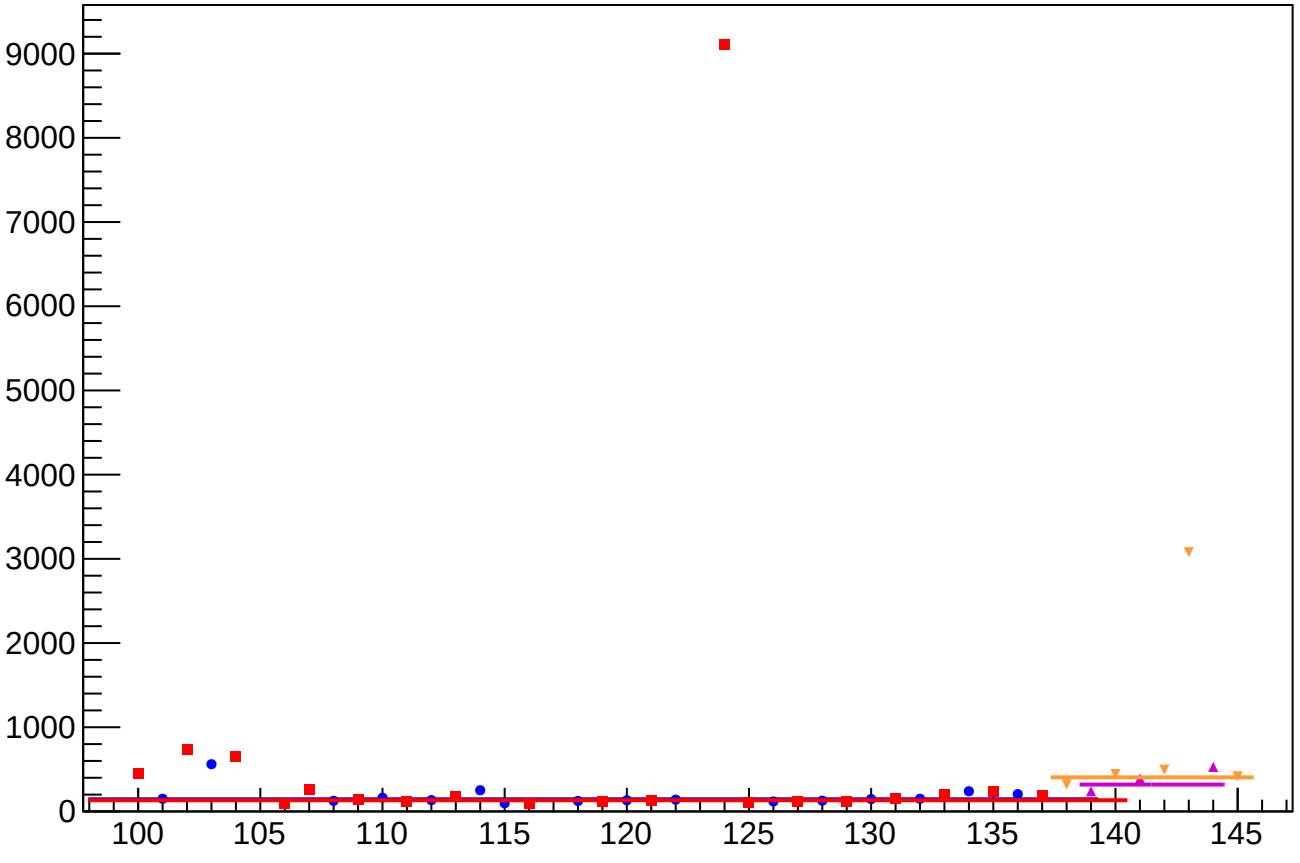
Left In: 0.086+/-0.212 χ^2/NDF:7.3/2

+ sign 0.002+/-0.056 χ^2/NDF: 28.3/20

All: -0.001+/-0.039 χ^2/NDF: 57.6/42

- sign -0.004+/-0.055 χ^2/NDF: 29.3/21

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

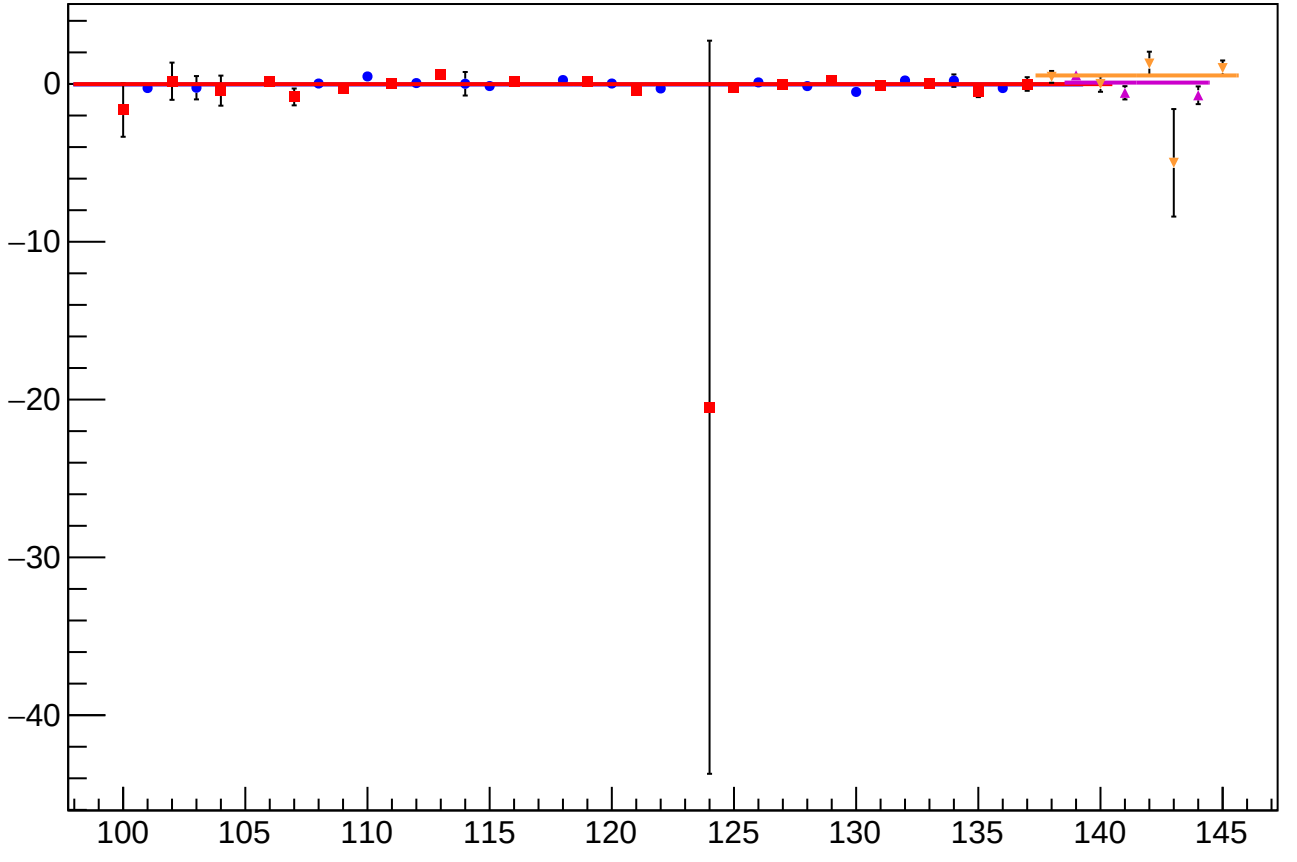
Left In: 319.486+/-0.150 χ^2/NDF:507193.4/2

+ sign 158.577+/-0.040 χ^2/NDF: 4730566.0/20

All: 151.904+/-0.028 χ^2/NDF: 8954228.4/42

- sign 145.609+/-0.039 χ^2/NDF: 4168913.9/21

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

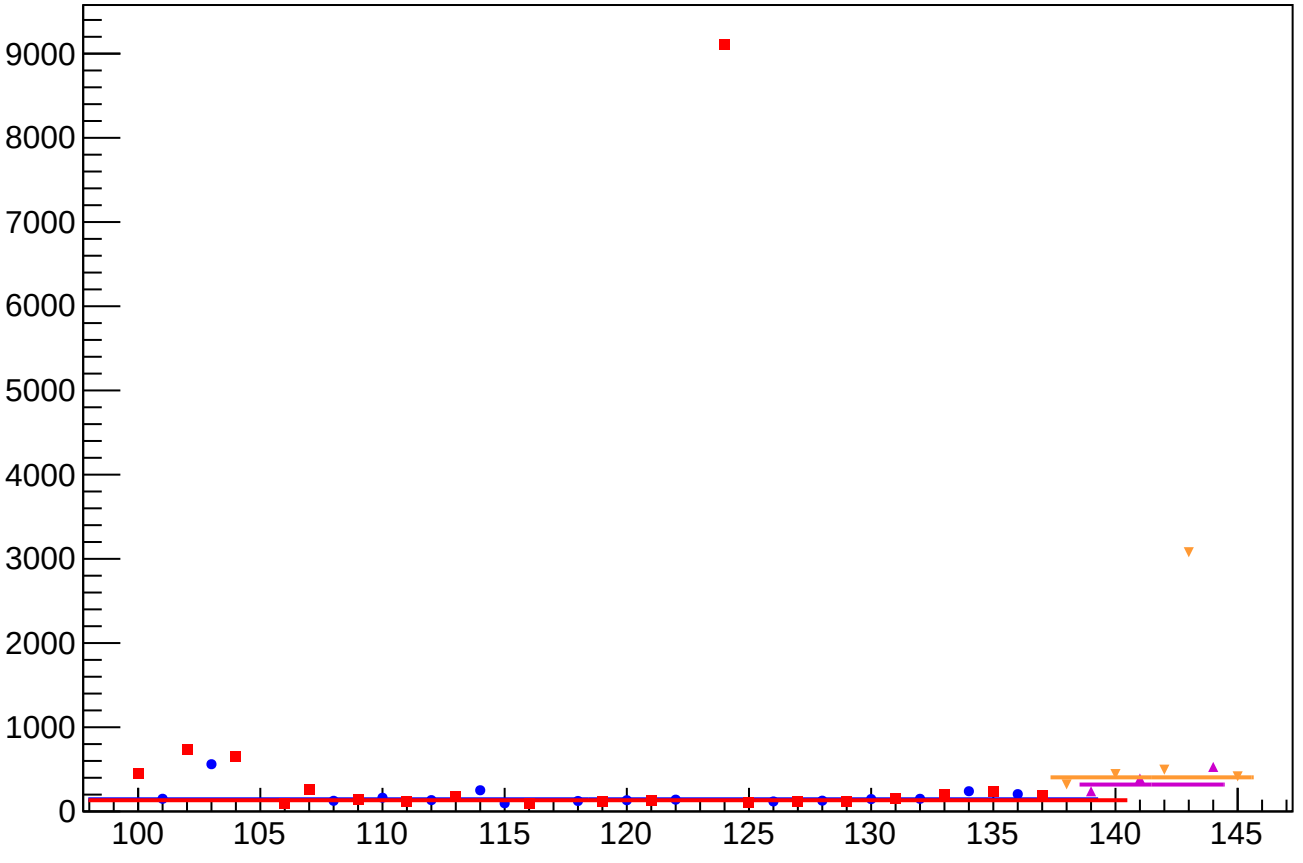
Left In: 0.086+/-0.212 χ^2/NDF:7.3/2

+ sign 0.002+/-0.056 χ^2/NDF: 28.3/20

All: -0.001+/-0.039 χ^2/NDF: 57.6/42

- sign -0.004+/-0.055 χ^2/NDF: 29.3/21

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

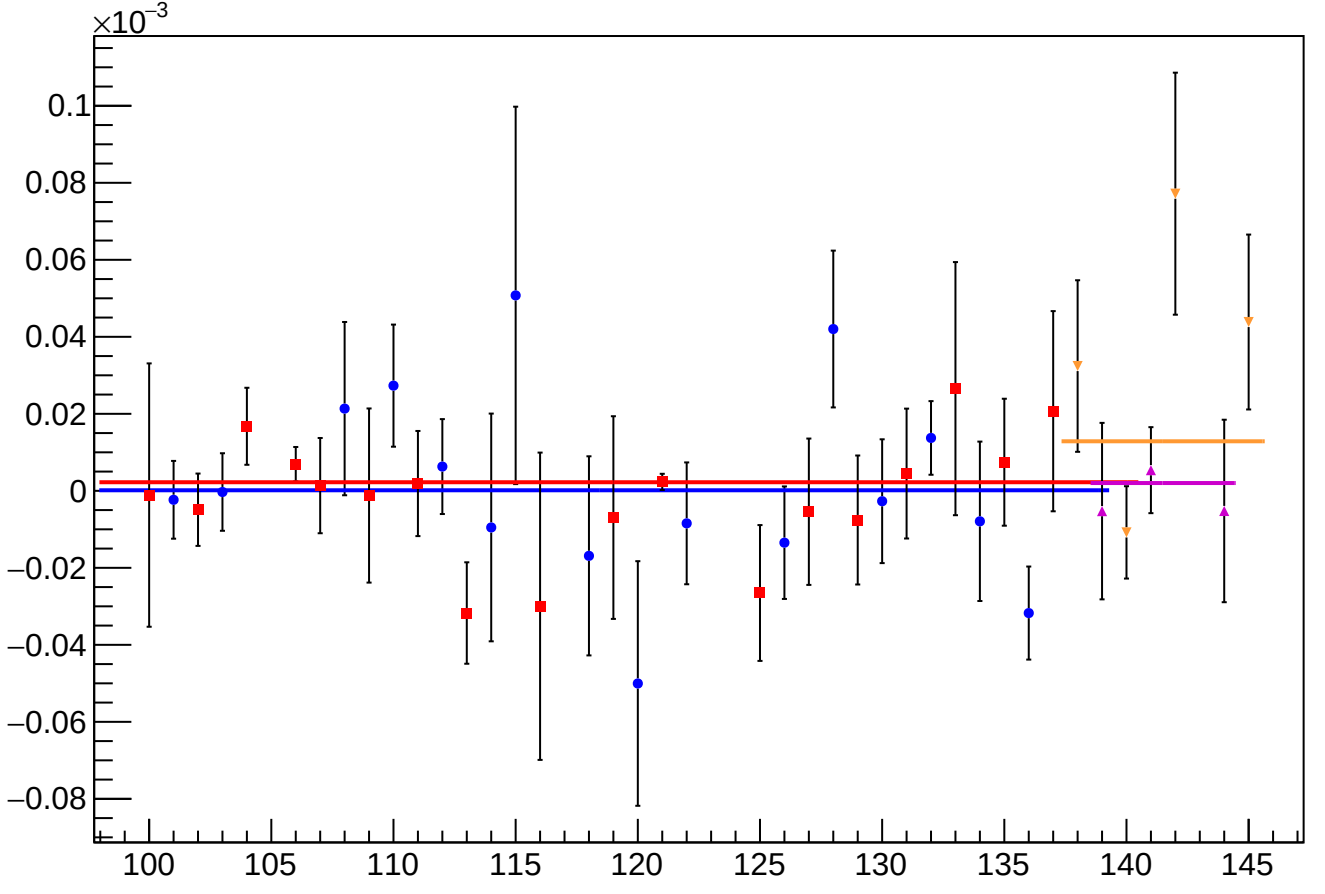
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 319.486+/-0.150 χ^2/NDF:507193.4/2

+ sign 158.577+/-0.040 χ^2/NDF: 4730566.0/20

All: 151.904+/-0.028 χ^2/NDF: 8954228.4/42

- sign 145.609+/-0.039 χ^2/NDF: 4168913.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/3

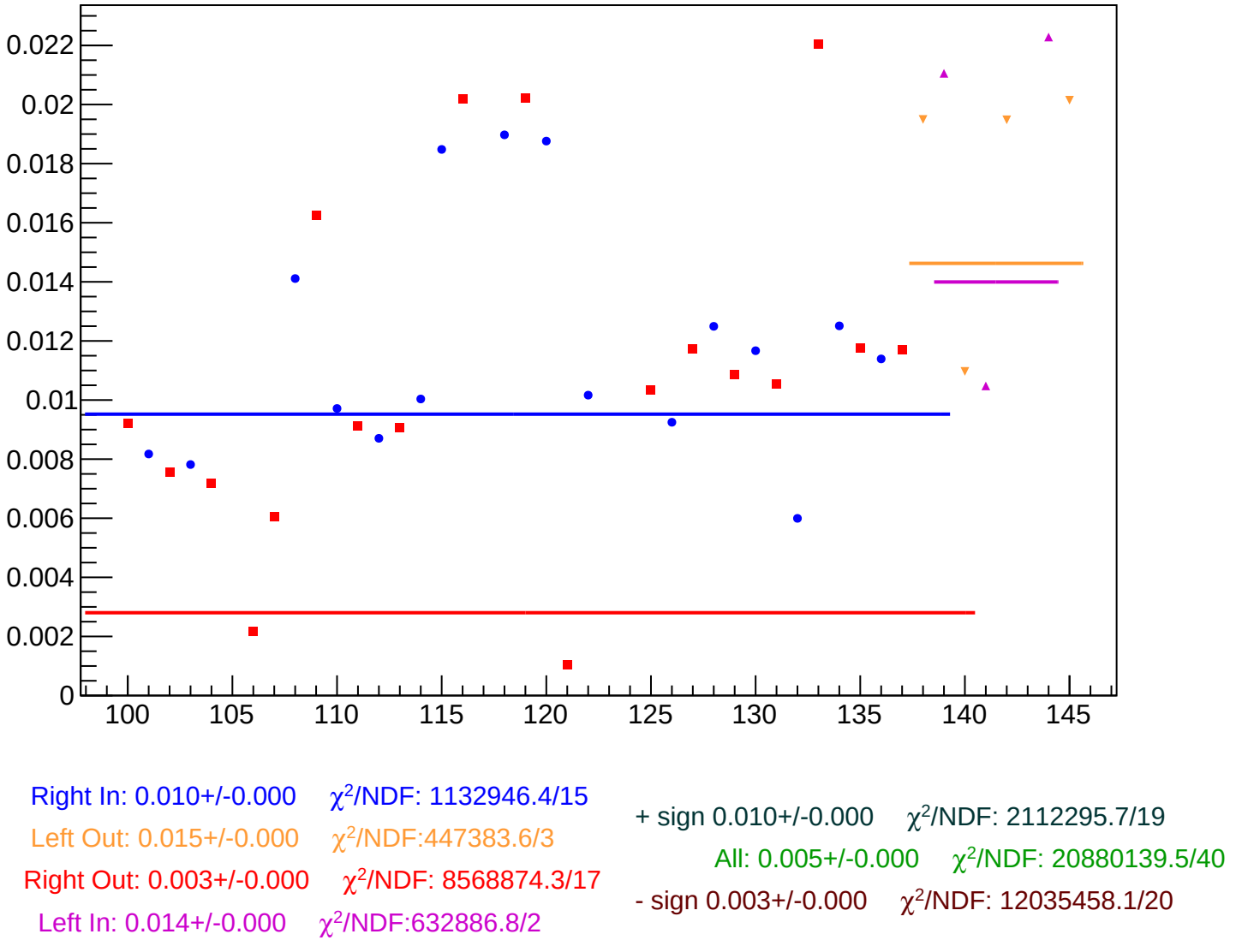
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

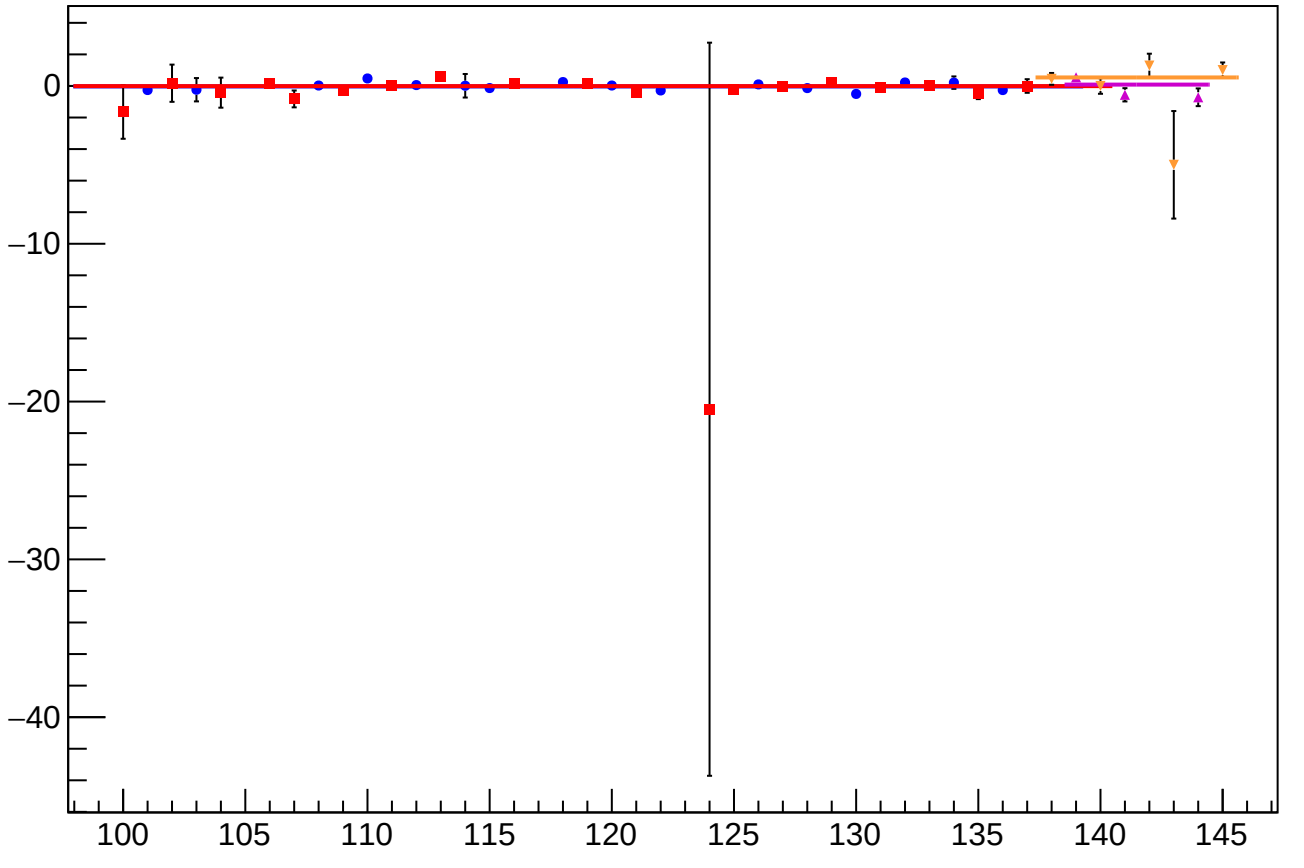
Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/19

All: 0.000+/-0.000 χ^2/NDF: 51.0/40

- sign 0.000+/-0.000 χ^2/NDF: 15.9/20


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.010+/-0.000 χ²/NDF: 1132946.4/15
Left Out: 0.015+/-0.000 χ²/NDF:447383.6/3
Right Out: 0.003+/-0.000 χ²/NDF: 8568874.3/17
Left In: 0.014+/-0.000 χ²/NDF:632886.8/2
+ sign 0.010+/-0.000 χ²/NDF: 2112295.7/19
All: 0.005+/-0.000 χ²/NDF: 20880139.5/40
- sign 0.003+/-0.000 χ²/NDF: 12035458.1/20



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

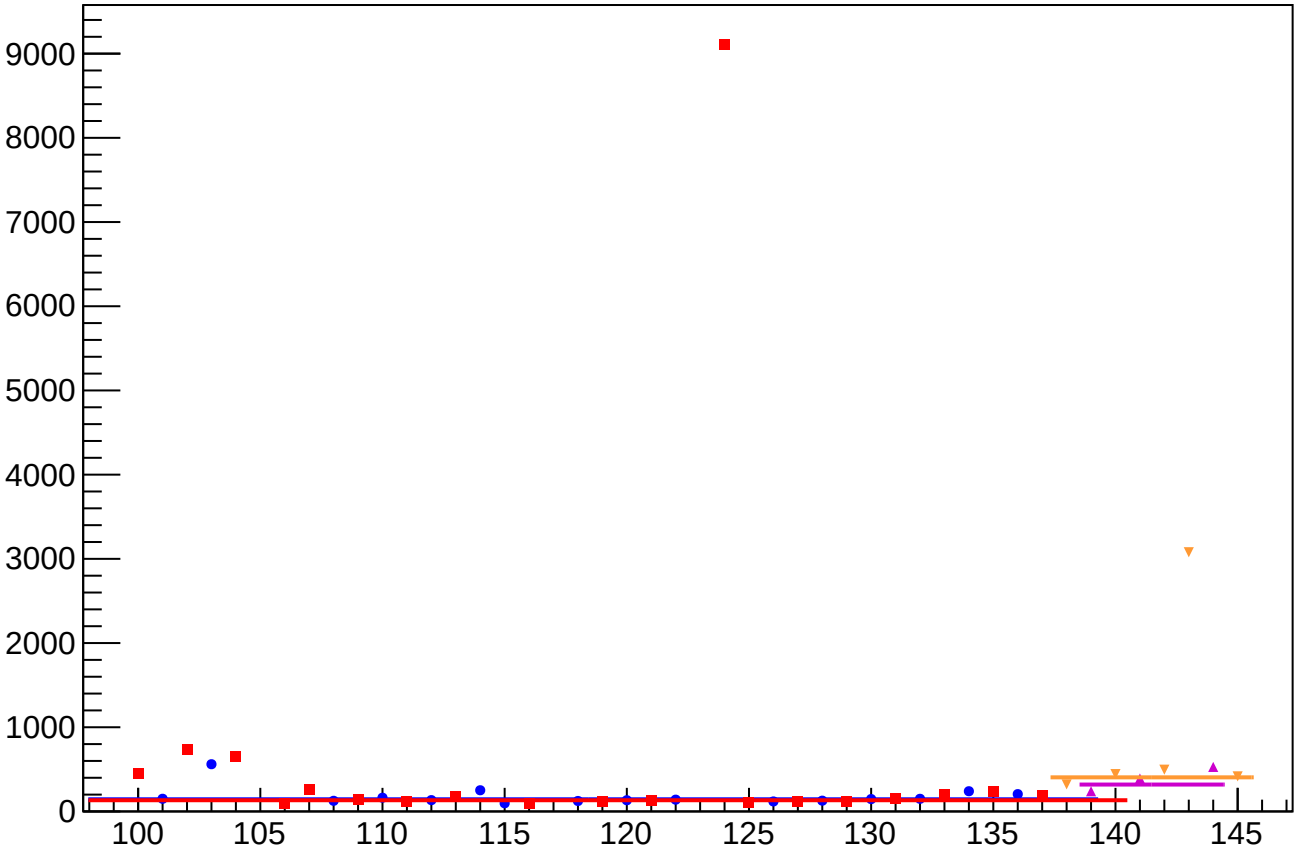
Left In: 0.086+/-0.212 χ^2/NDF:7.3/2

+ sign 0.002+/-0.056 χ^2/NDF: 28.3/20

All: -0.001+/-0.039 χ^2/NDF: 57.6/42

- sign -0.004+/-0.055 χ^2/NDF: 29.3/21

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

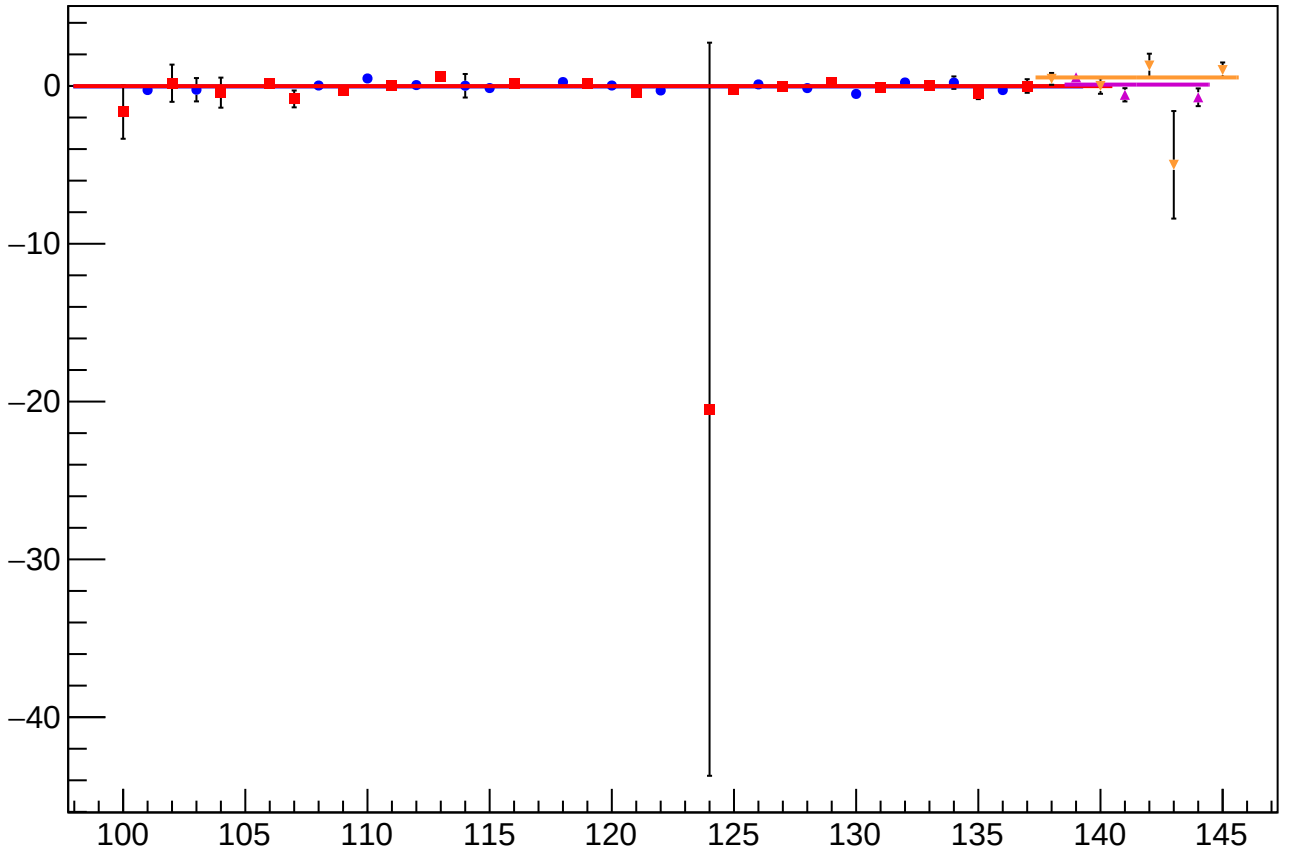
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 319.493+/-0.150 χ^2/NDF:507176.5/2

+ sign 158.575+/-0.040 χ^2/NDF: 4730662.5/20

All: 151.903+/-0.028 χ^2/NDF: 8954328.1/42

- sign 145.609+/-0.039 χ^2/NDF: 4168924.6/21



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

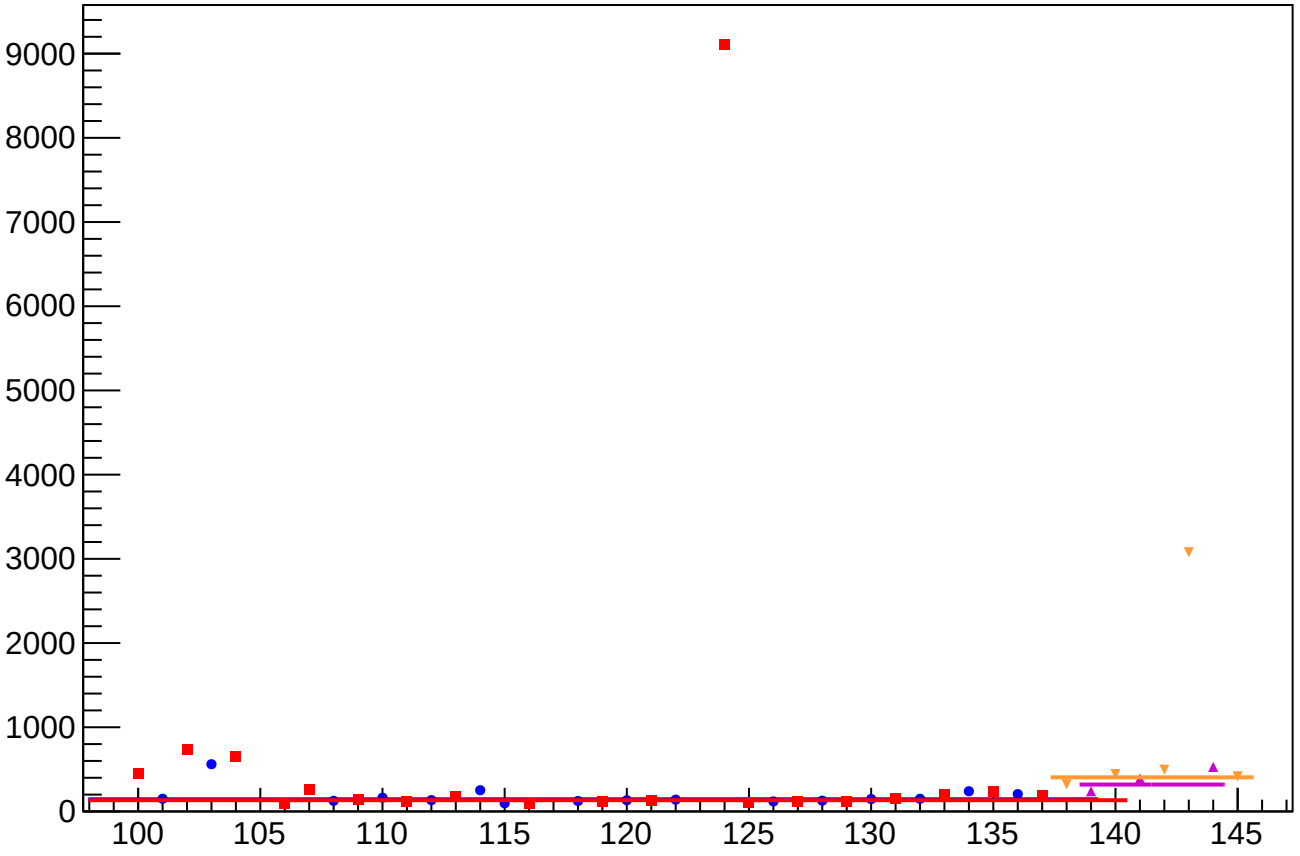
Left In: 0.086+/-0.212 χ^2/NDF:7.3/2

+ sign 0.002+/-0.056 χ^2/NDF: 28.3/20

All: -0.001+/-0.039 χ^2/NDF: 57.6/42

- sign -0.004+/-0.055 χ^2/NDF: 29.3/21

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

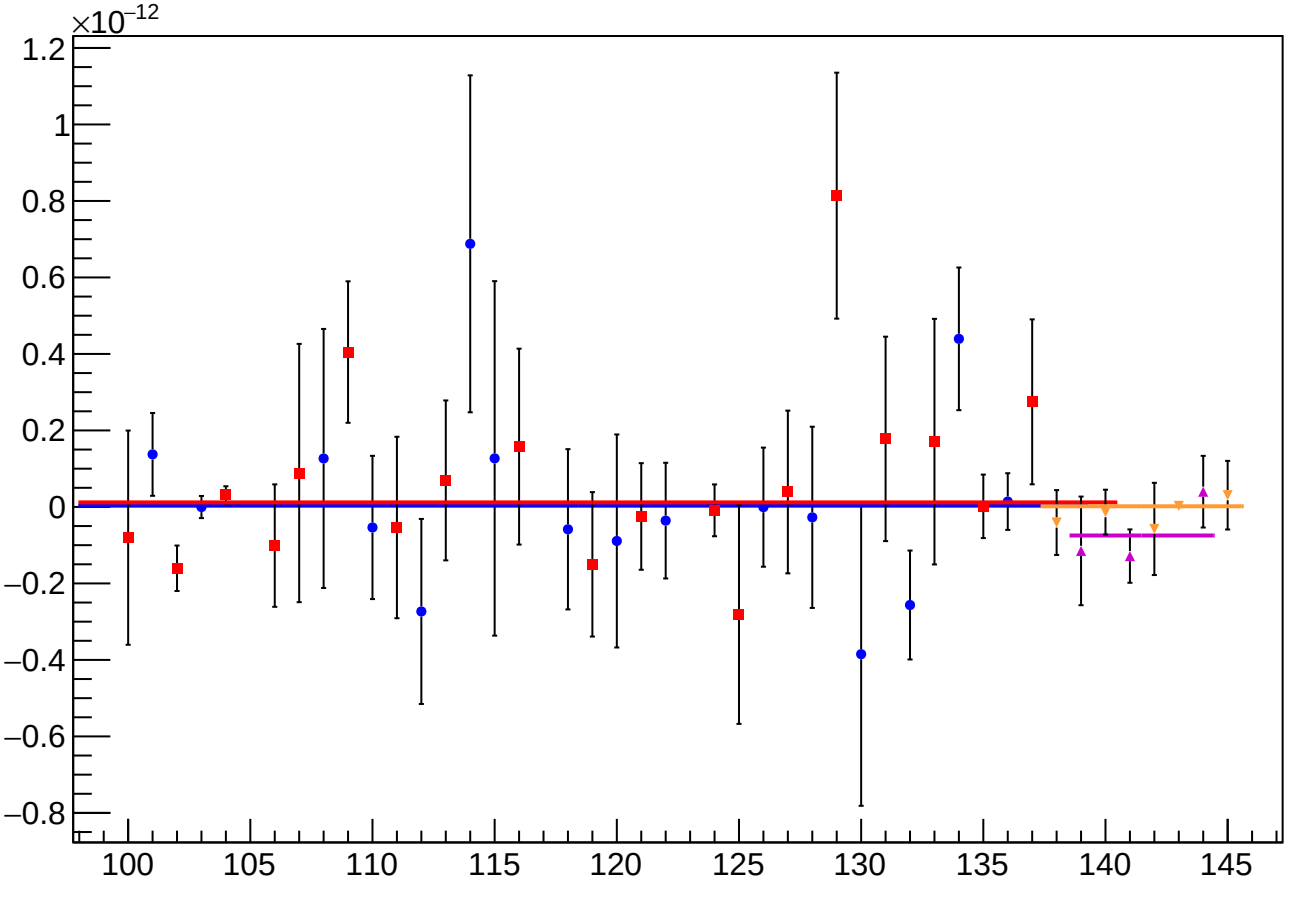
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 319.493+/-0.150 χ^2/NDF:507176.5/2

+ sign 158.575+/-0.040 χ^2/NDF: 4730662.5/20

All: 151.903+/-0.028 χ^2/NDF: 8954328.1/42

- sign 145.609+/-0.039 χ^2/NDF: 4168924.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/4

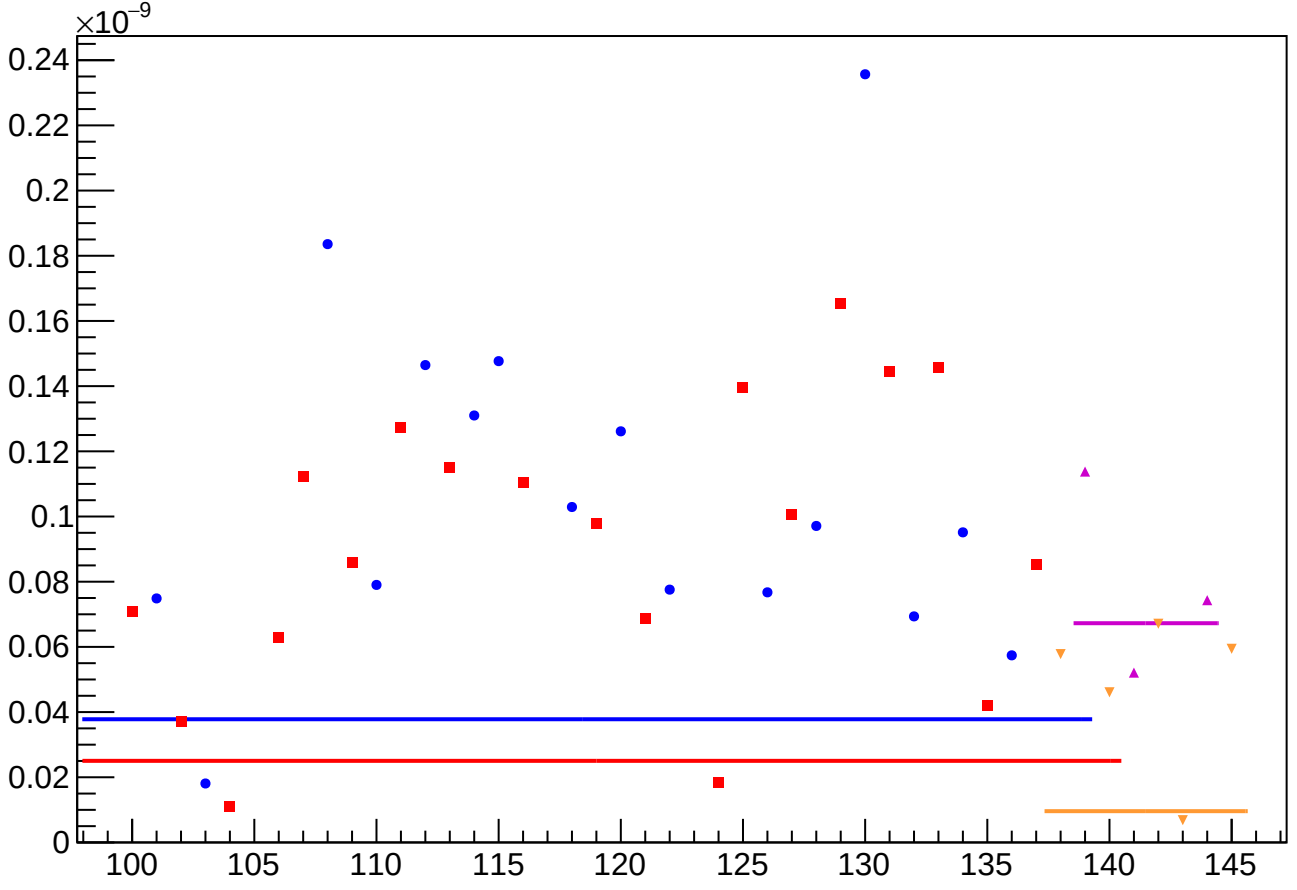
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 16.3/20

All: 0.000+/-0.000 χ^2/NDF: 46.0/42

- sign 0.000+/-0.000 χ^2/NDF: 29.7/21



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2641918.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

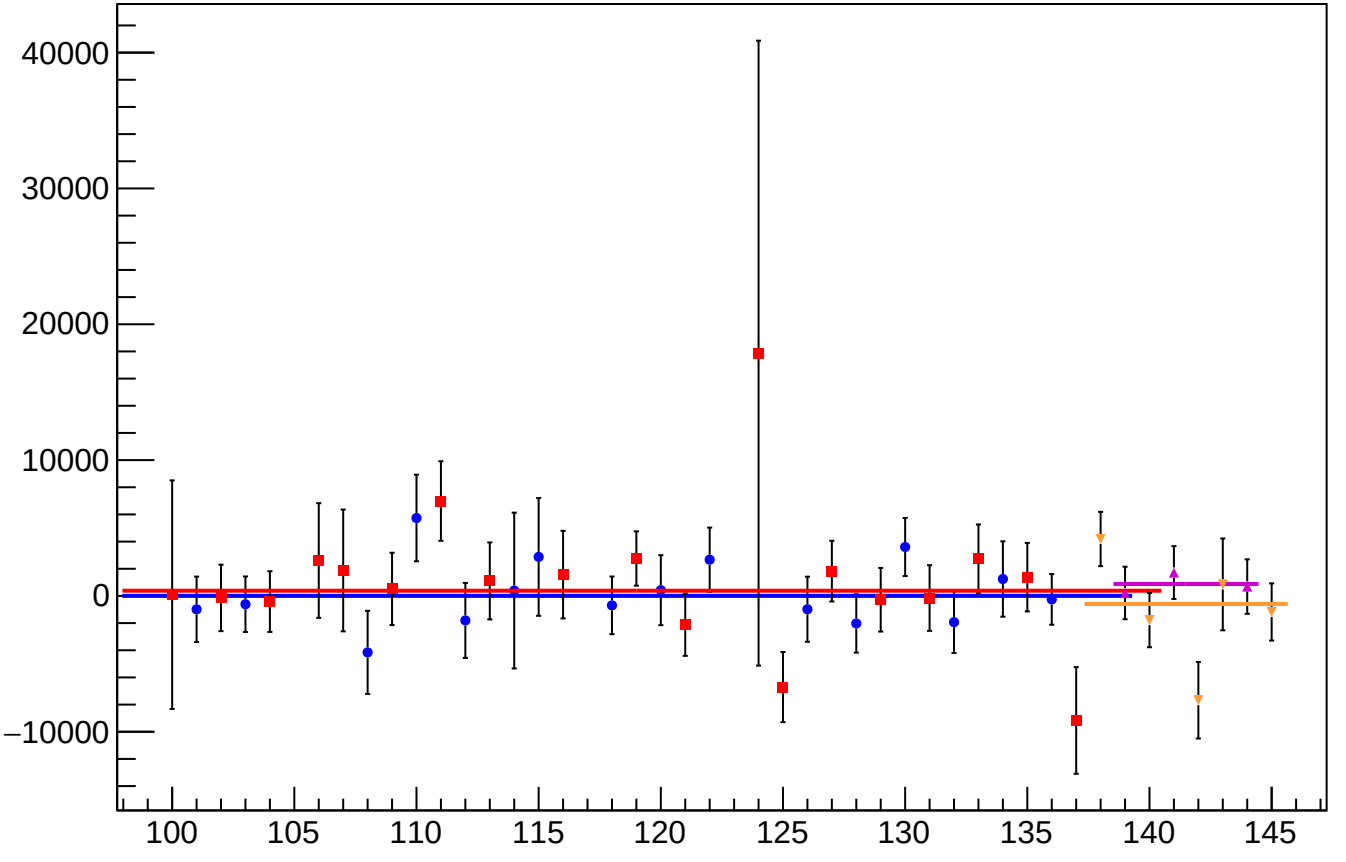
Left In: 0.000+/-0.000 χ^2/NDF:320433.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 8968973.9/20

All: 0.000+/-0.000 χ^2/NDF: 16513430.7/42

- sign 0.000+/-0.000 χ^2/NDF: 6189652.5/21

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

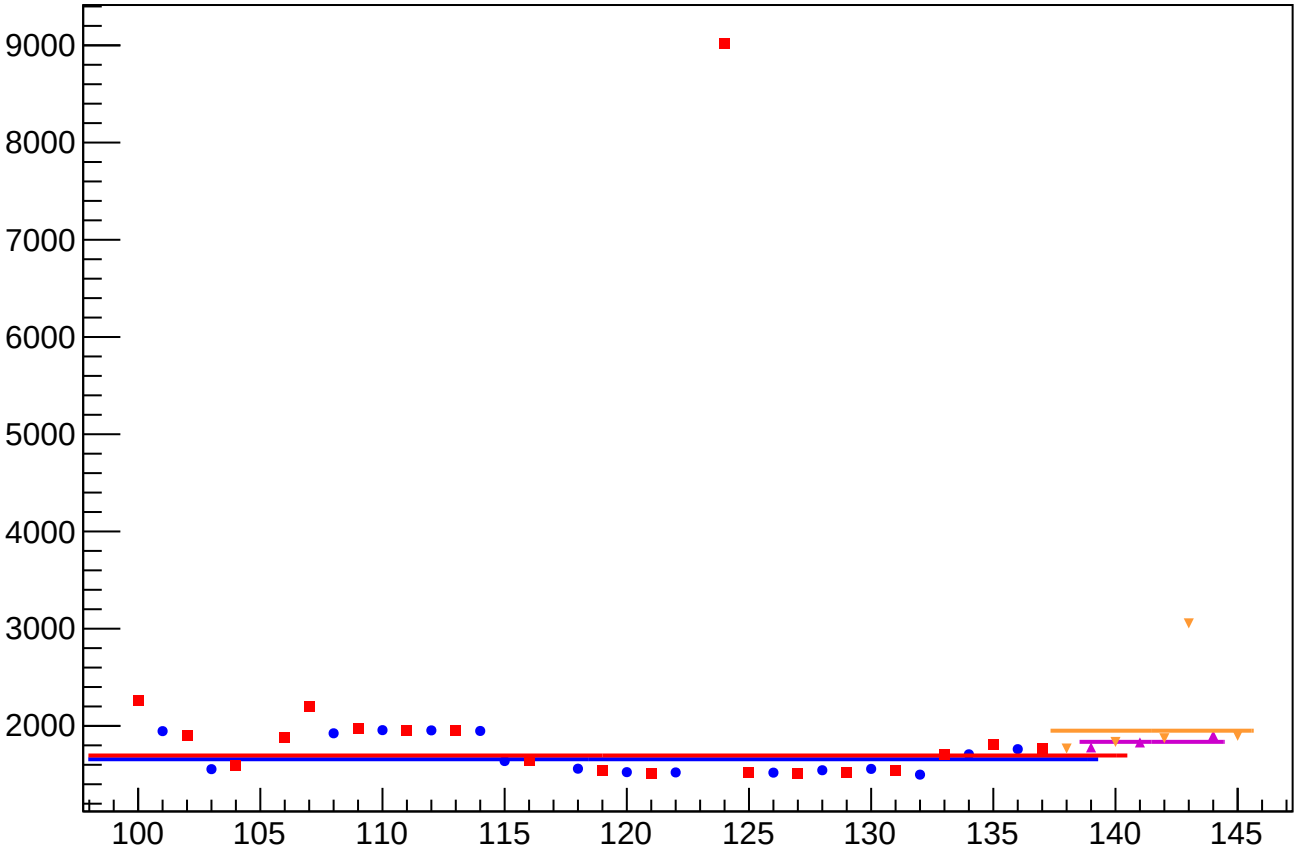
Left In: 877.657+/-1132.308 χ^2/NDF:0.3/2

+ sign -153.441+/-531.406 χ^2/NDF: 25.3/20

All: 161.397+/-383.160 χ^2/NDF: 50.6/42

- sign 502.313+/-552.977 χ^2/NDF: 24.5/21

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

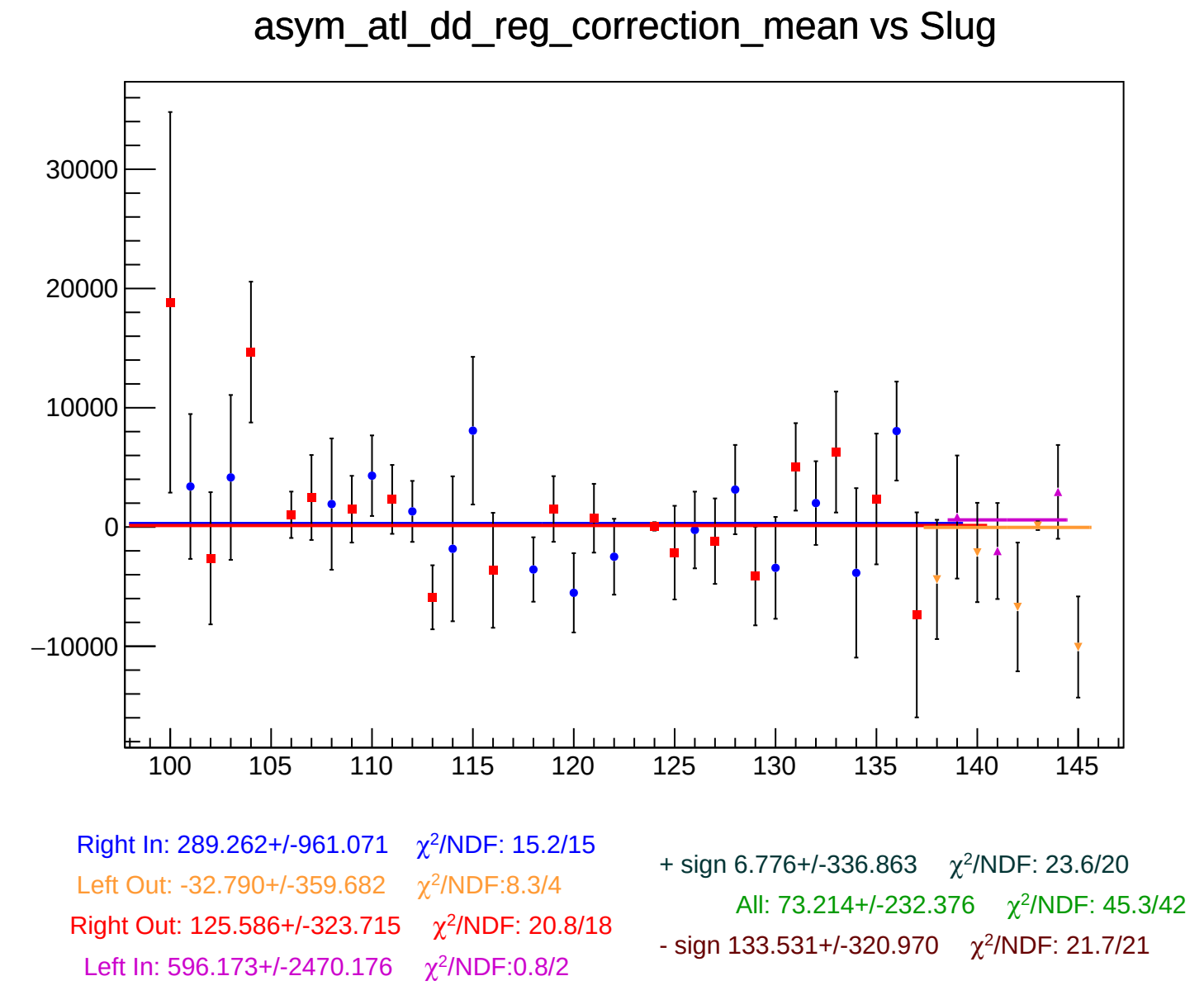
Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1836.056+/-0.801 χ^2/NDF:3996.3/2

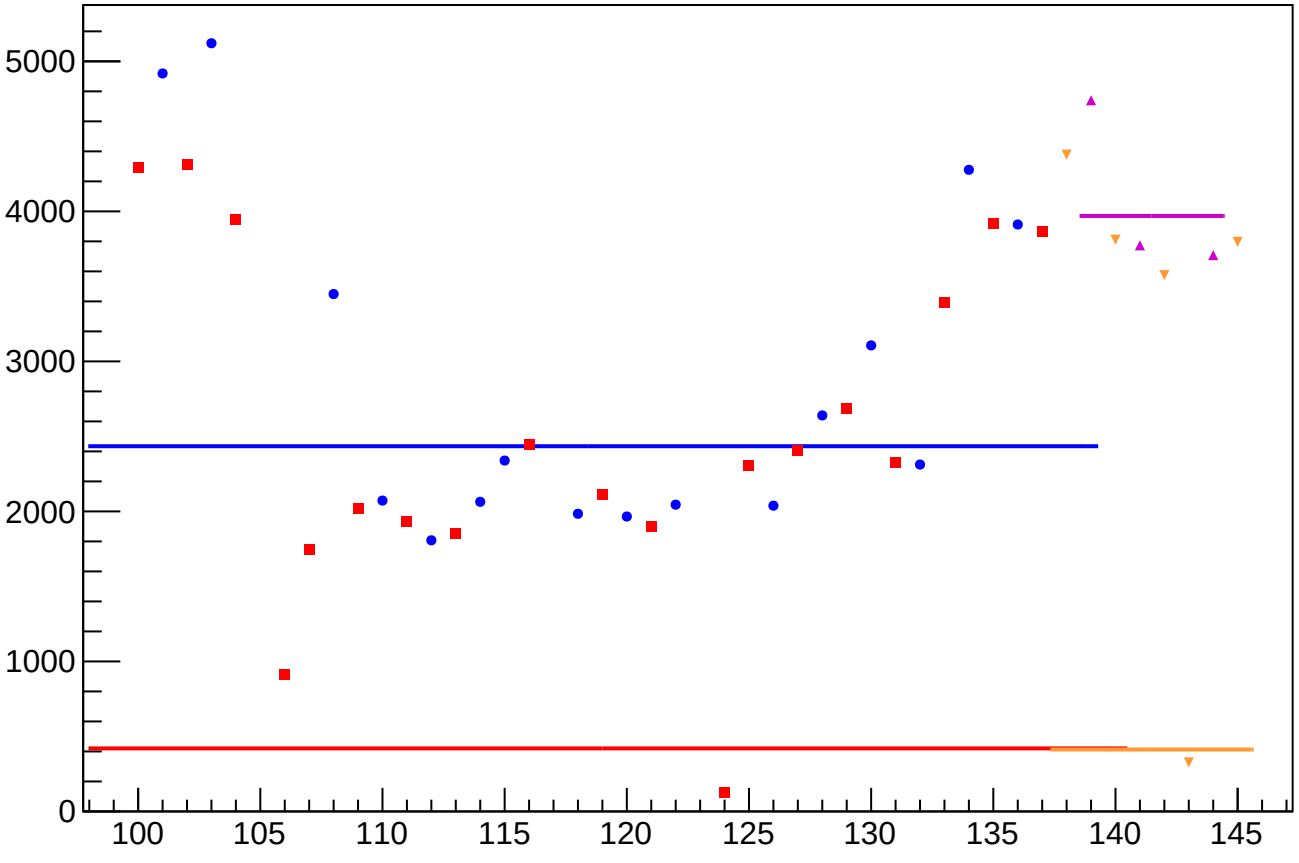
+ sign 1734.983+/-0.376 χ^2/NDF: 502483.0/20

All: 1732.052+/-0.270 χ^2/NDF: 916291.0/42

- sign 1728.901+/-0.390 χ^2/NDF: 413681.8/21


asym_atl_dd_reg_correction_mean vs Slug
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: -32.790+/-359.682 χ²/NDF:8.3/4
Right Out: 125.586+/-323.715 χ²/NDF: 20.8/18
Left In: 596.173+/-2470.176 χ²/NDF:0.8/2
+ sign 6.776+/-336.863 χ²/NDF: 23.6/20
All: 73.214+/-232.376 χ²/NDF: 45.3/42
- sign 133.531+/-320.970 χ²/NDF: 21.7/21

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

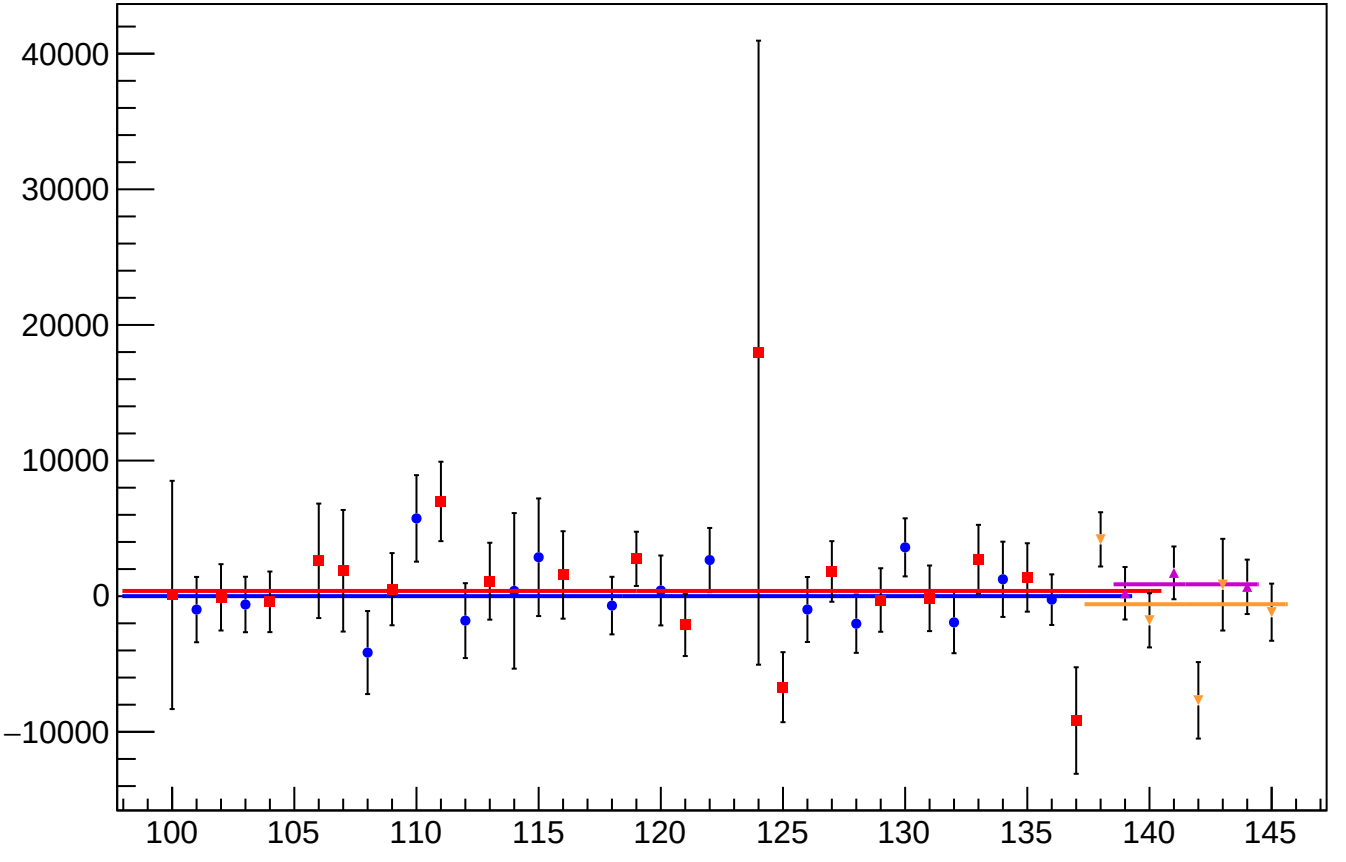
Left In: 3969.420+/-1.747 χ^2/NDF:58172.7/2

+ sign 661.277+/-0.238 χ^2/NDF: 13879029.1/20

All: 566.374+/-0.164 χ^2/NDF: 29363054.4/42

- sign 480.215+/-0.227 χ^2/NDF: 15181175.1/21

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

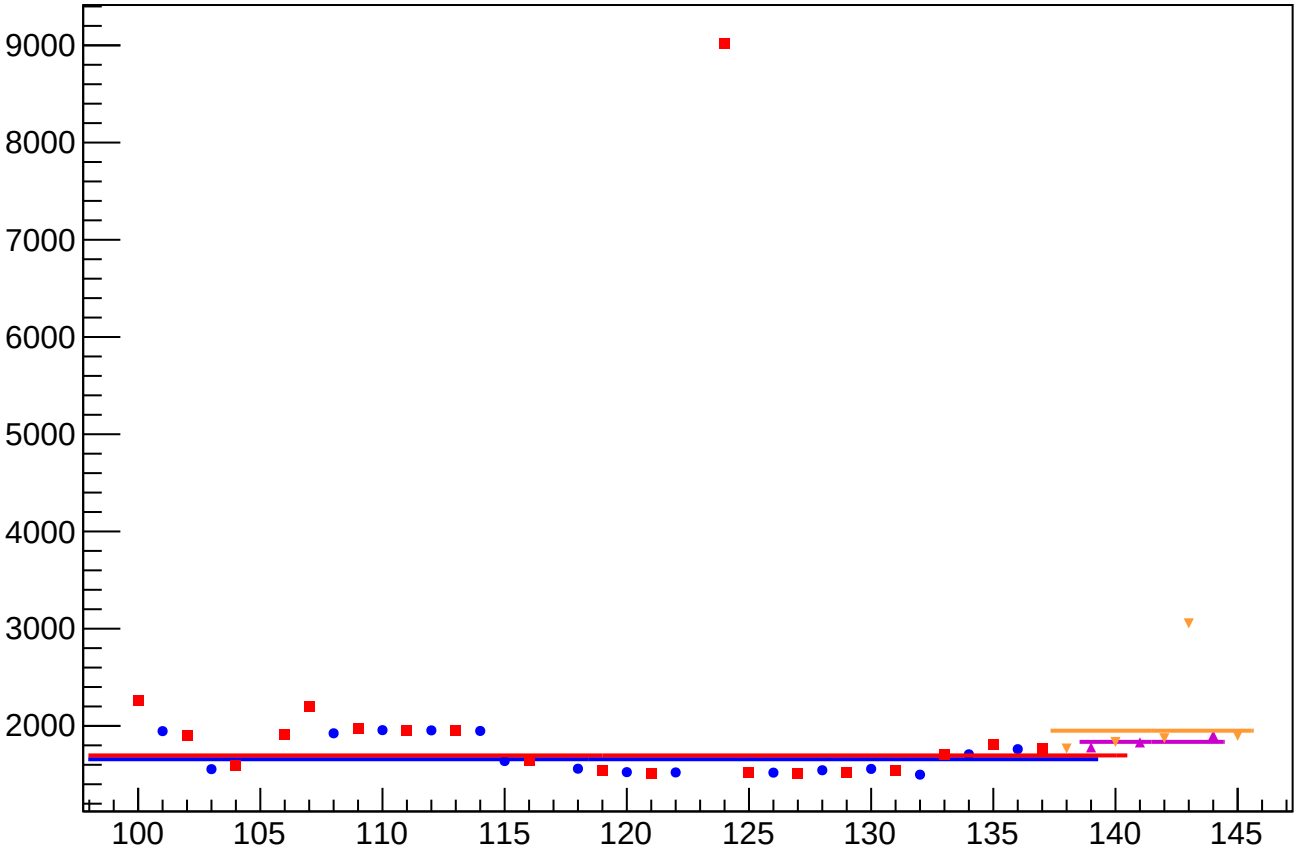
Left In: 877.609+/-1132.308 χ^2/NDF:0.3/2

+ sign -153.522+/-531.406 χ^2/NDF: 25.3/20

All: 162.919+/-383.161 χ^2/NDF: 50.6/42

- sign 505.575+/-552.981 χ^2/NDF: 24.5/21

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

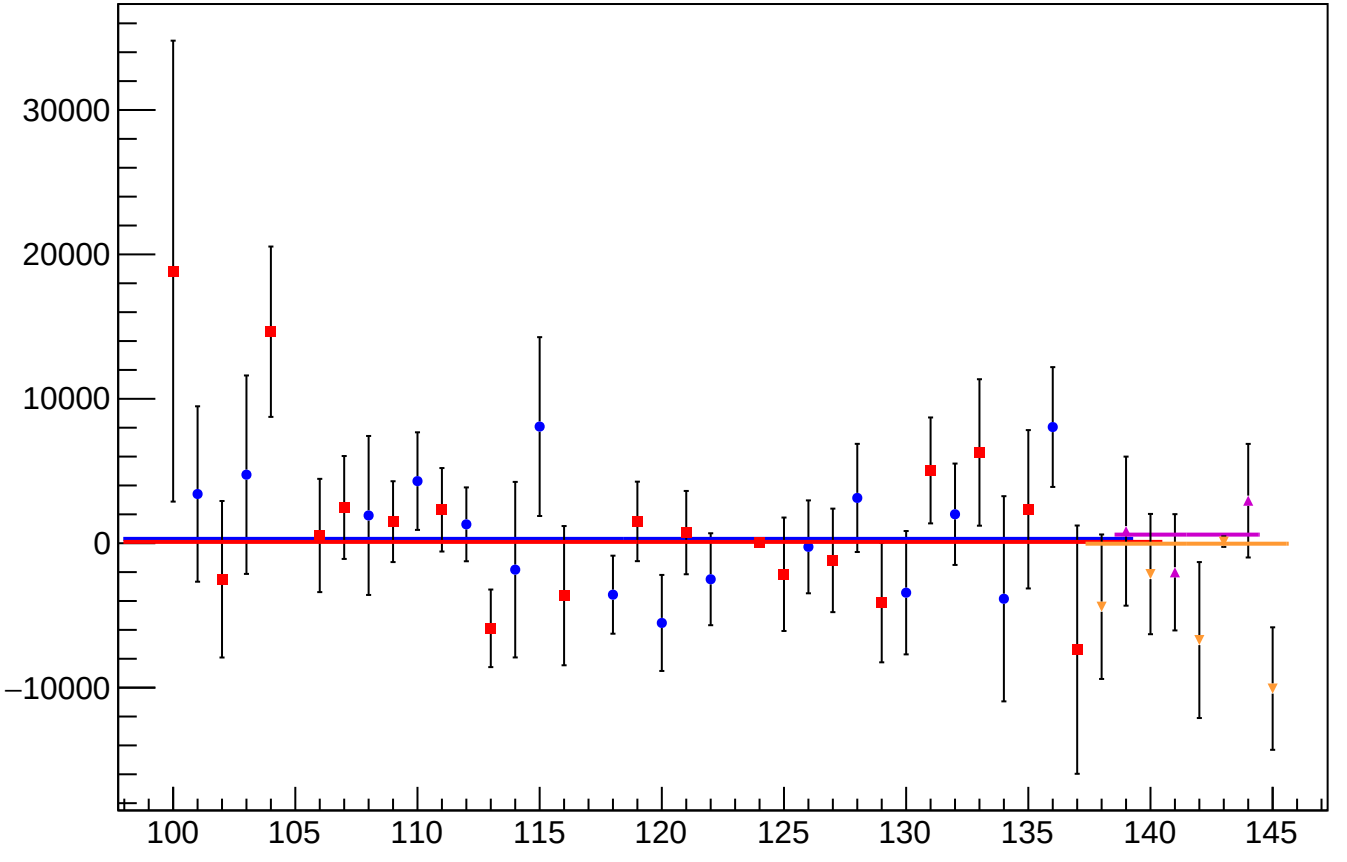
Left In: 1836.056+/-0.801 χ^2/NDF:3996.3/2

+ sign 1734.983+/-0.376 χ^2/NDF: 502483.2/20

All: 1732.357+/-0.271 χ^2/NDF: 917754.8/42

- sign 1729.531+/-0.390 χ^2/NDF: 415170.2/21

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

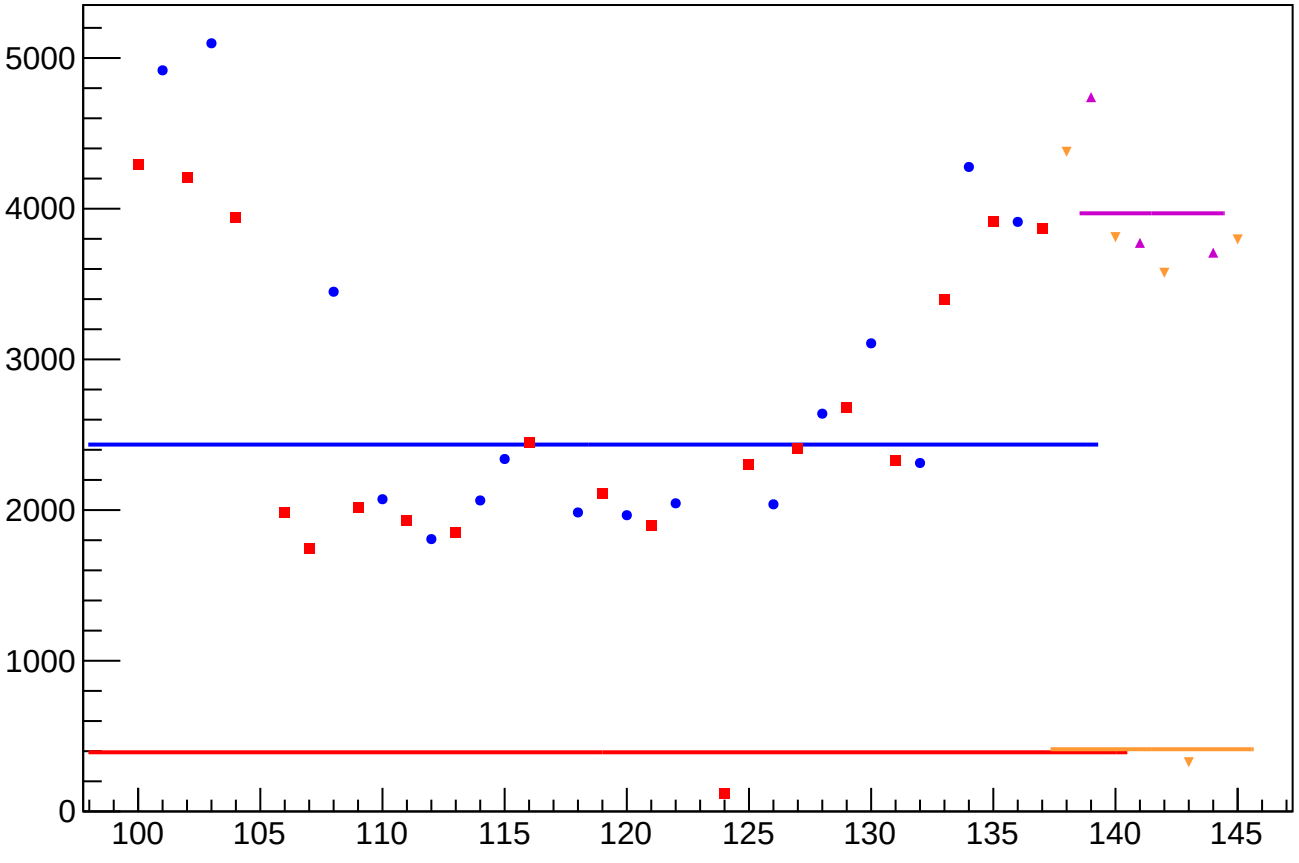
Left In: 596.064+/-2470.175 χ^2/NDF:0.8/2

+ sign 8.746+/-336.836 χ^2/NDF: 23.7/20

All: 57.869+/-229.370 χ^2/NDF: 45.2/42

- sign 100.343+/-313.209 χ^2/NDF: 21.4/21

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

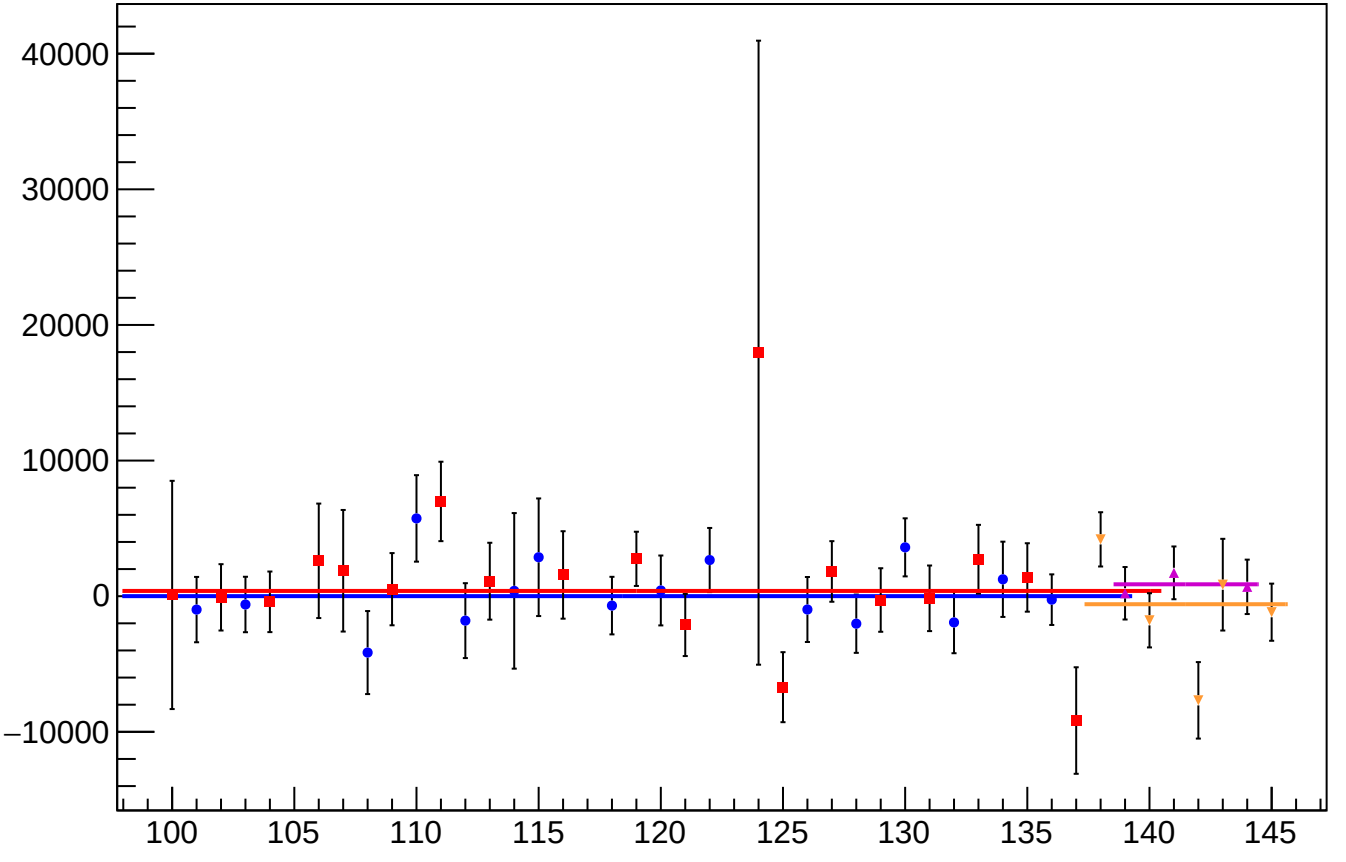
Left In: 3969.419+/-1.747 χ^2/NDF:58170.9/2

+ sign 661.281+/-0.238 χ^2/NDF: 13880841.5/20

All: 548.062+/-0.162 χ^2/NDF: 29894200.2/42

- sign 450.170+/-0.221 χ^2/NDF: 15592028.2/21

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

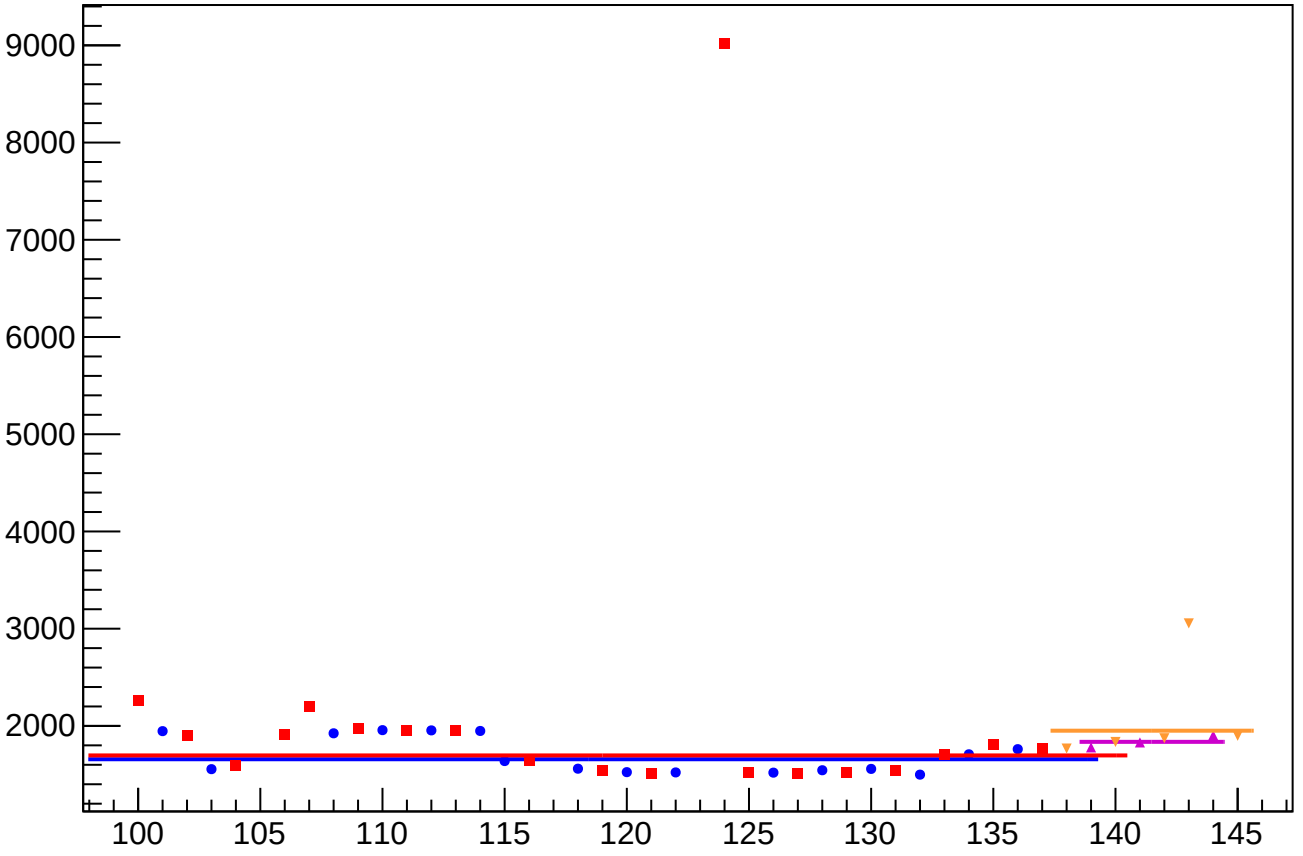
Left In: 877.609+/-1132.308 χ^2/NDF:0.3/2

+ sign -153.522+/-531.406 χ^2/NDF: 25.3/20

All: 162.919+/-383.161 χ^2/NDF: 50.6/42

- sign 505.575+/-552.981 χ^2/NDF: 24.5/21

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

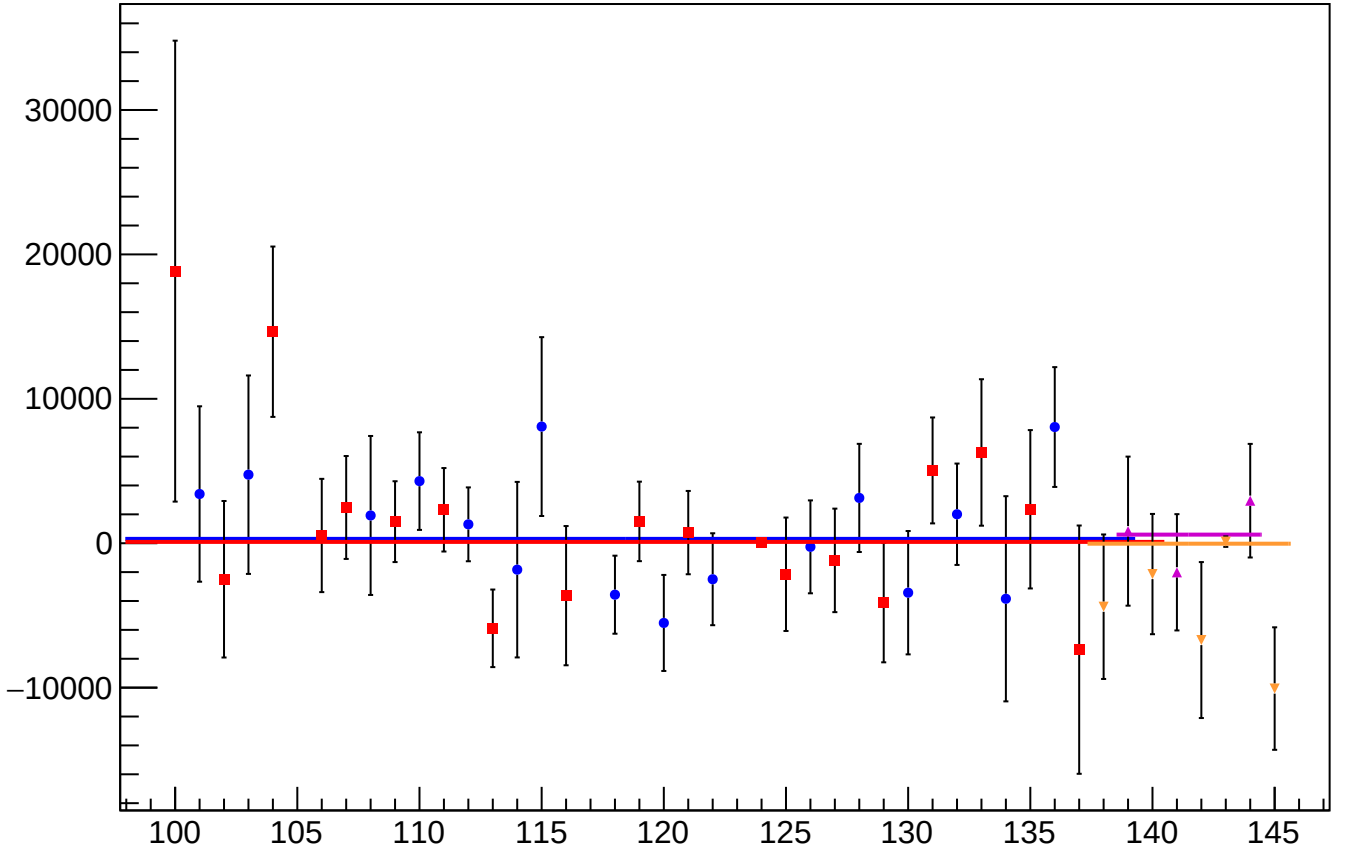
Left In: 1836.056+/-0.801 χ^2/NDF:3996.3/2

+ sign 1734.983+/-0.376 χ^2/NDF: 502483.2/20

All: 1732.357+/-0.271 χ^2/NDF: 917754.8/42

- sign 1729.531+/-0.390 χ^2/NDF: 415170.2/21

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

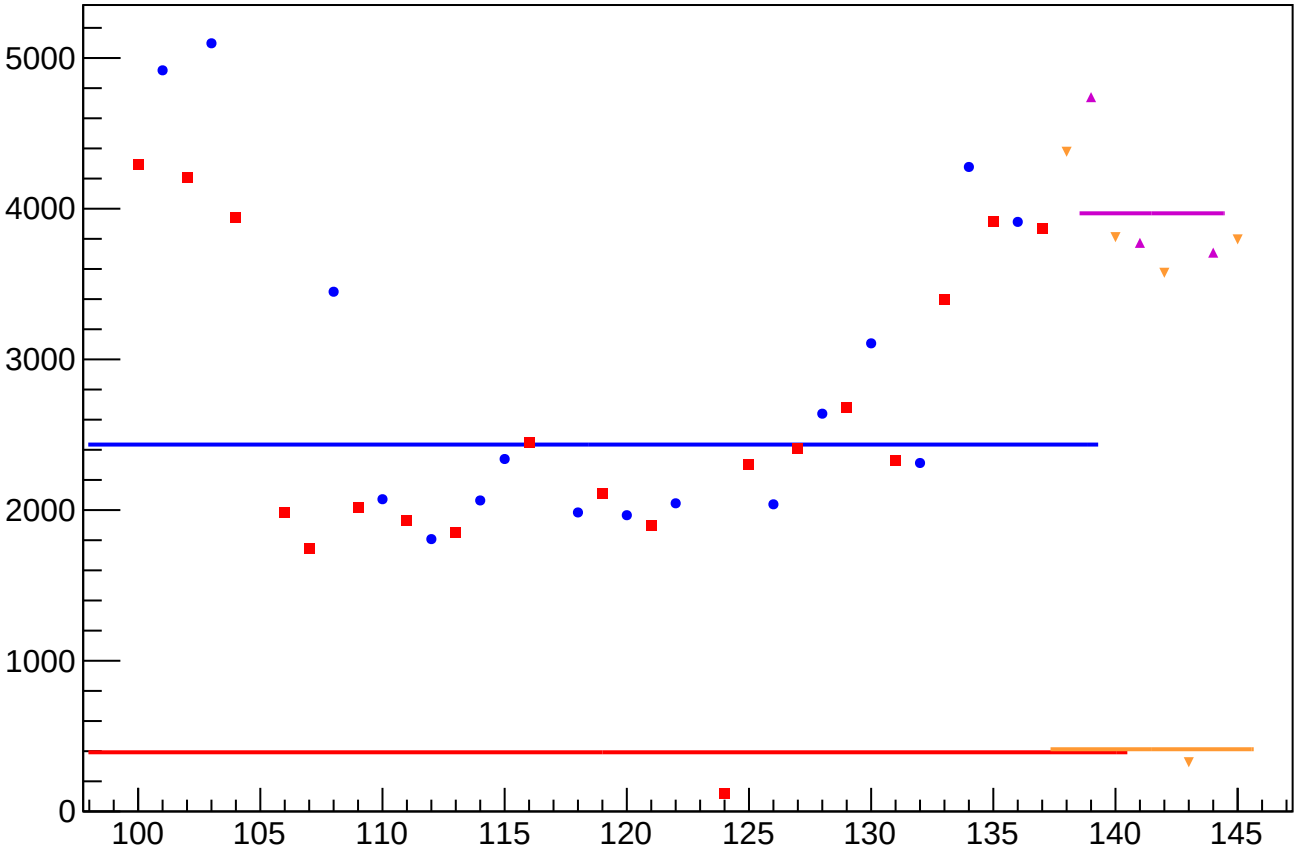
Left In: 596.064+/-2470.175 χ^2/NDF:0.8/2

+ sign 8.746+/-336.836 χ^2/NDF: 23.7/20

All: 57.869+/-229.370 χ^2/NDF: 45.2/42

- sign 100.343+/-313.209 χ^2/NDF: 21.4/21

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

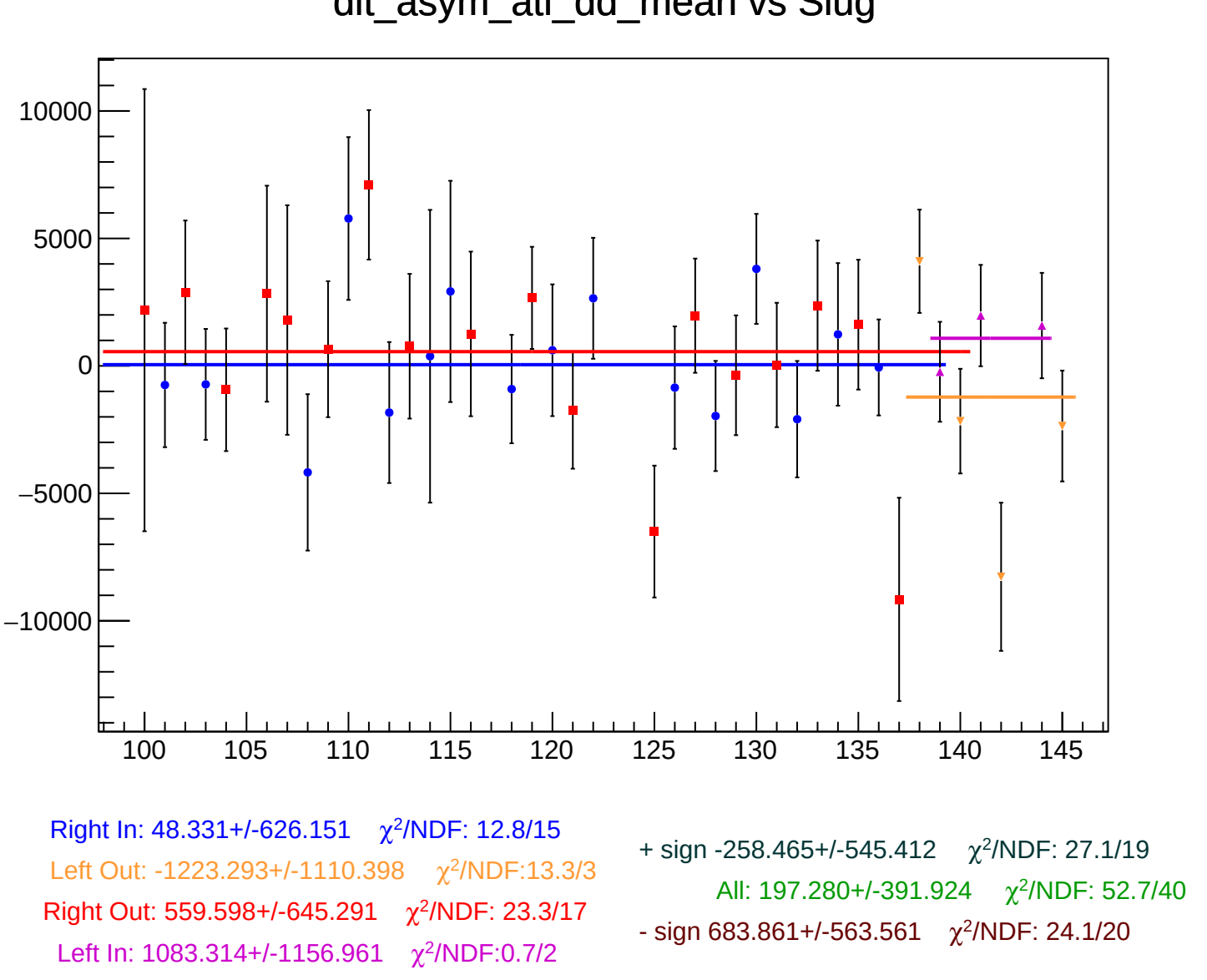
Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3969.419+/-1.747 χ^2/NDF:58170.9/2

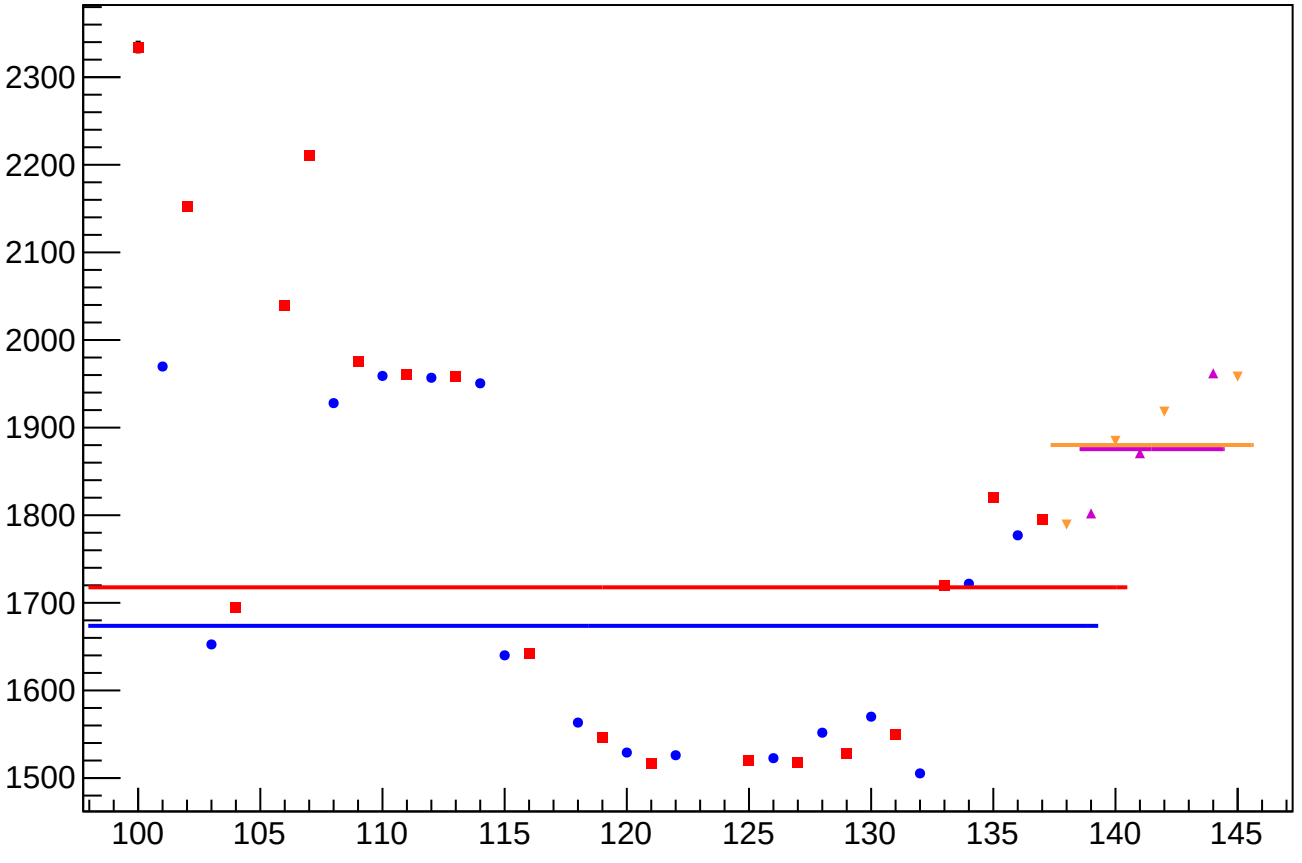
+ sign 661.281+/-0.238 χ^2/NDF: 13880841.5/20

All: 548.062+/-0.162 χ^2/NDF: 29894200.2/42

- sign 450.170+/-0.221 χ^2/NDF: 15592028.2/21


dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: -1223.293+/-1110.398 χ²/NDF:13.3/3
Right Out: 559.598+/-645.291 χ²/NDF: 23.3/17
Left In: 1083.314+/-1156.961 χ²/NDF:0.7/2
+ sign -258.465+/-545.412 χ²/NDF: 27.1/19
All: 197.280+/-391.924 χ²/NDF: 52.7/40
- sign 683.861+/-563.561 χ²/NDF: 24.1/20

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

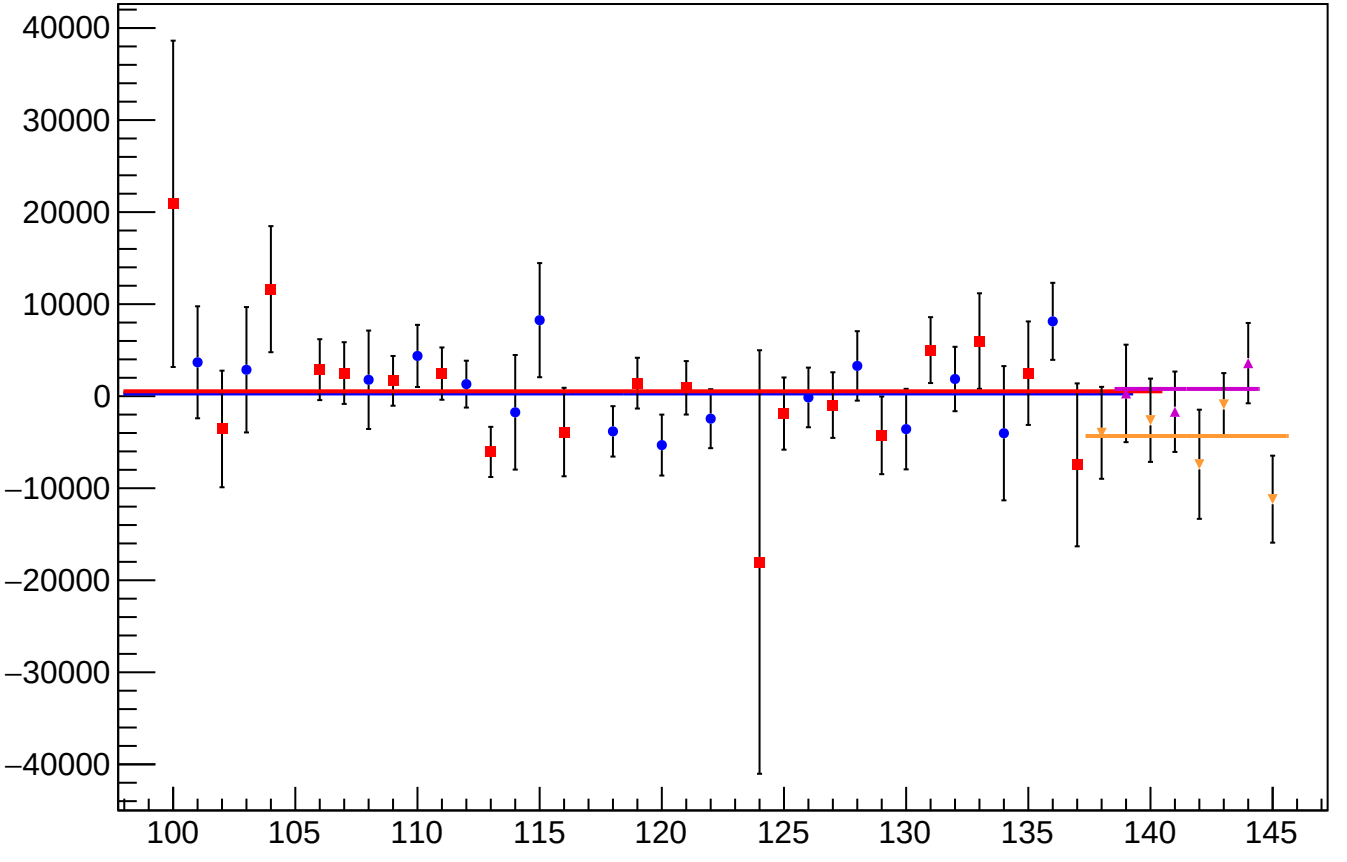
Left In: 1875.420+/-0.818 χ^2/NDF:6314.2/2

+ sign 1723.533+/-0.386 χ^2/NDF: 200275.6/19

All: 1738.780+/-0.277 χ^2/NDF: 465832.6/40

- sign 1755.000+/-0.398 χ^2/NDF: 262331.4/20

asym_atl_dd_dit_correction_mean vs Slug



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

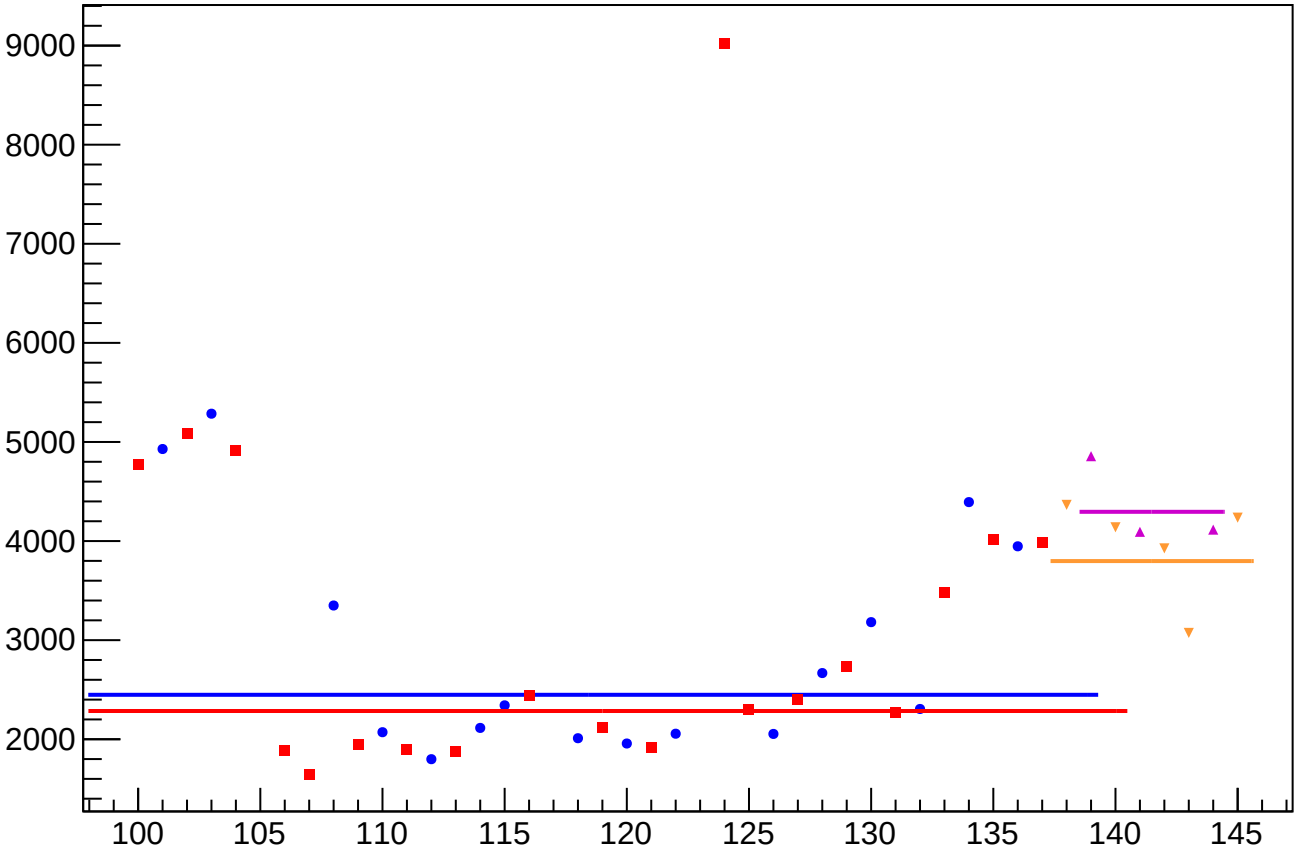
Left In: 787.741+/-2666.998 χ^2/NDF:0.7/2

+ sign -572.303+/-869.359 χ^2/NDF: 23.1/20

All: 12.056+/-603.740 χ^2/NDF: 43.5/42

- sign 556.419+/-839.080 χ^2/NDF: 19.5/21

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

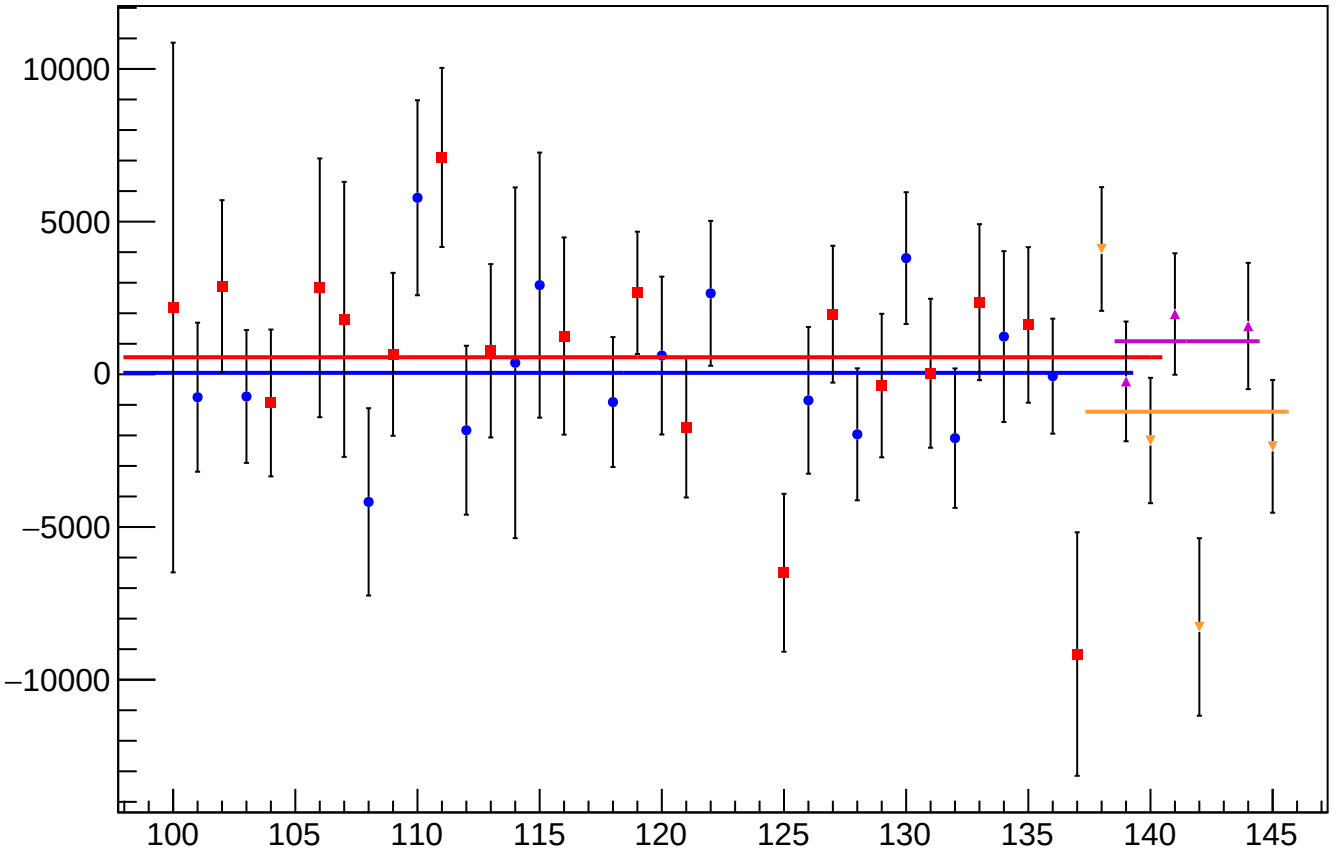
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4295.219+/-1.886 χ^2/NDF:30130.3/2

+ sign 2702.094+/-0.615 χ^2/NDF: 2398846.0/20

All: 2589.206+/-0.427 χ^2/NDF: 5066631.7/42

- sign 2484.045+/-0.593 χ^2/NDF: 2602647.9/21



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

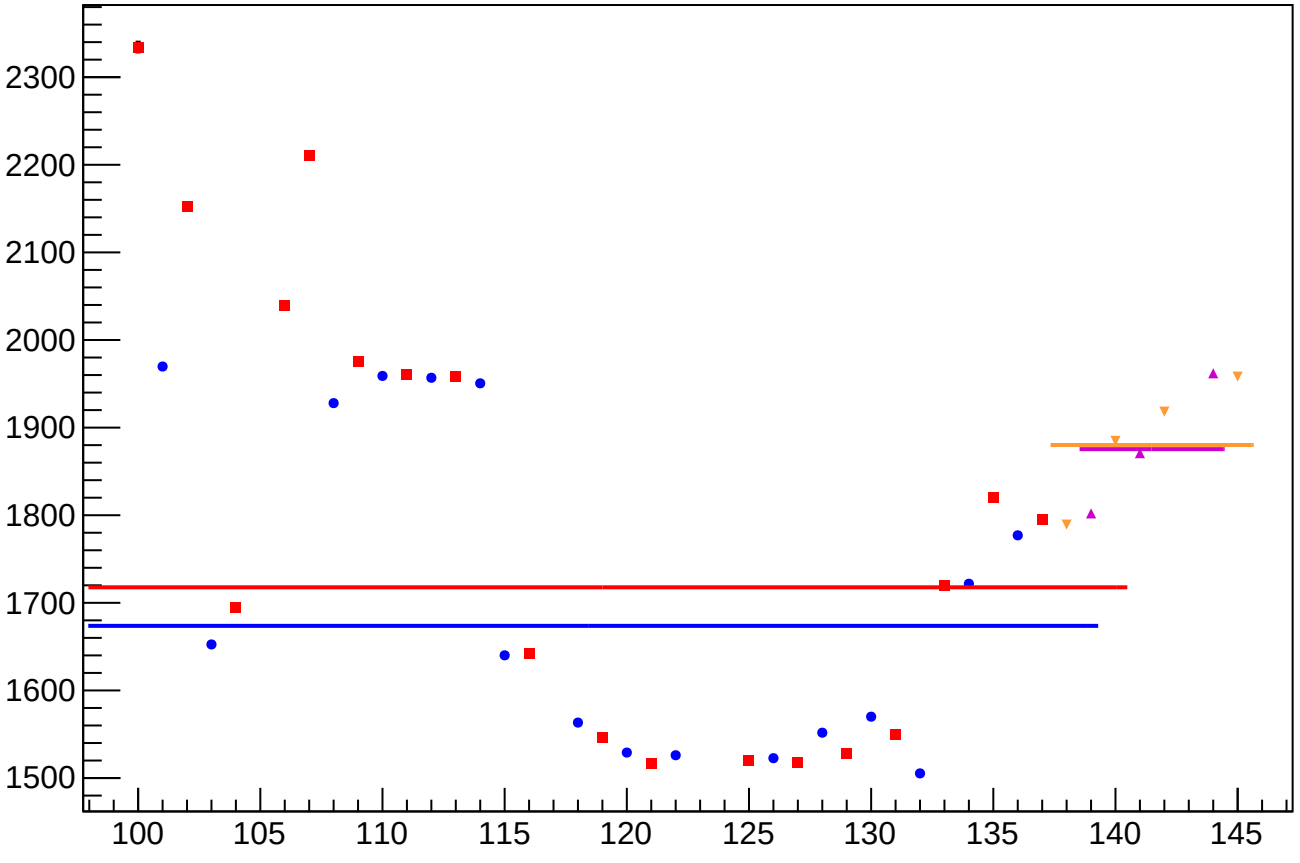
Left In: 1083.319+/-1156.962 χ^2/NDF:0.7/2

+ sign -258.471+/-545.412 χ^2/NDF: 27.1/19

All: 197.278+/-391.924 χ^2/NDF: 52.7/40

- sign 683.863+/-563.561 χ^2/NDF: 24.1/20

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

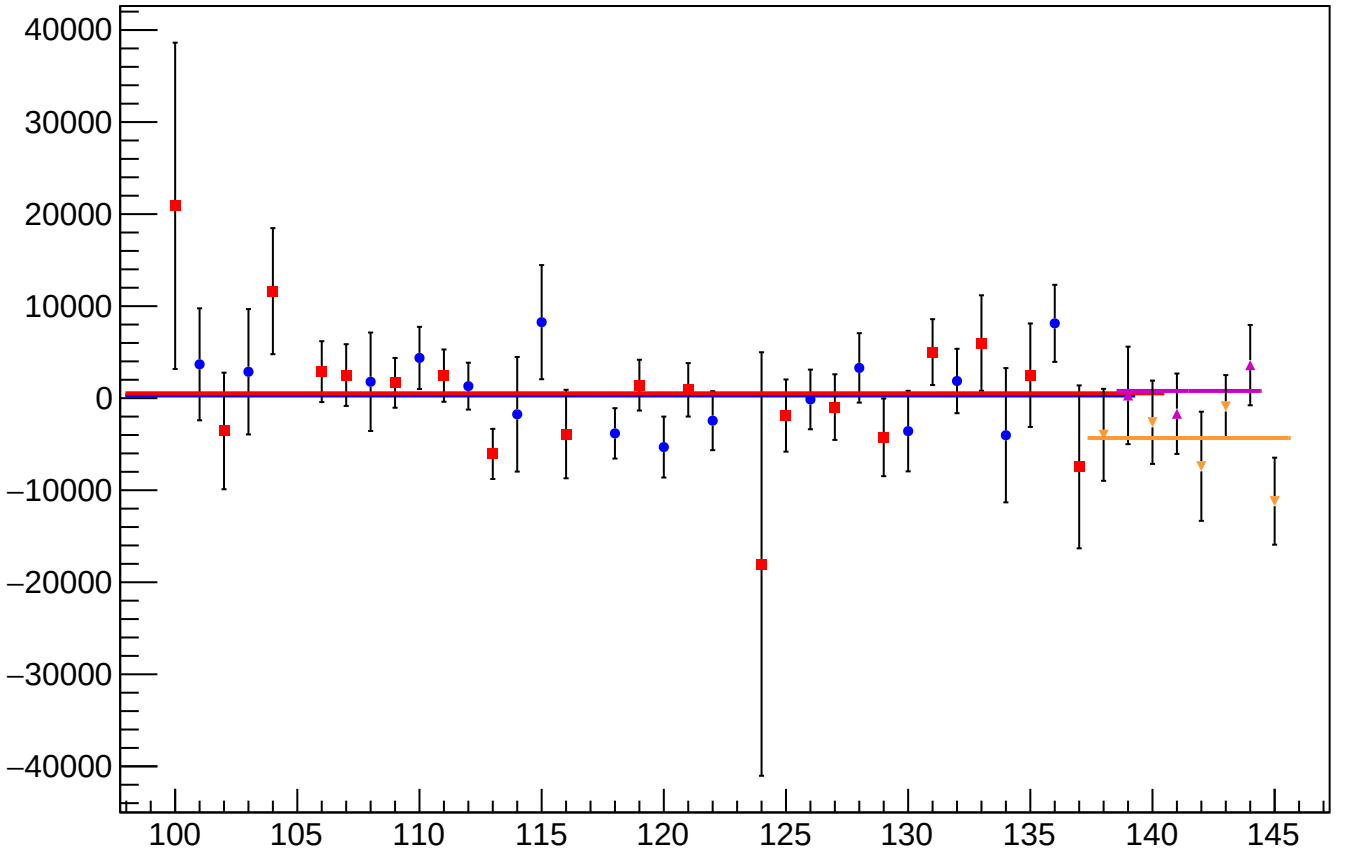
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1875.421+/-0.818 χ^2/NDF:6314.2/2

+ sign 1723.533+/-0.386 χ^2/NDF: 200276.5/19

All: 1738.780+/-0.277 χ^2/NDF: 465833.4/40

- sign 1755.001+/-0.398 χ^2/NDF: 262331.2/20



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

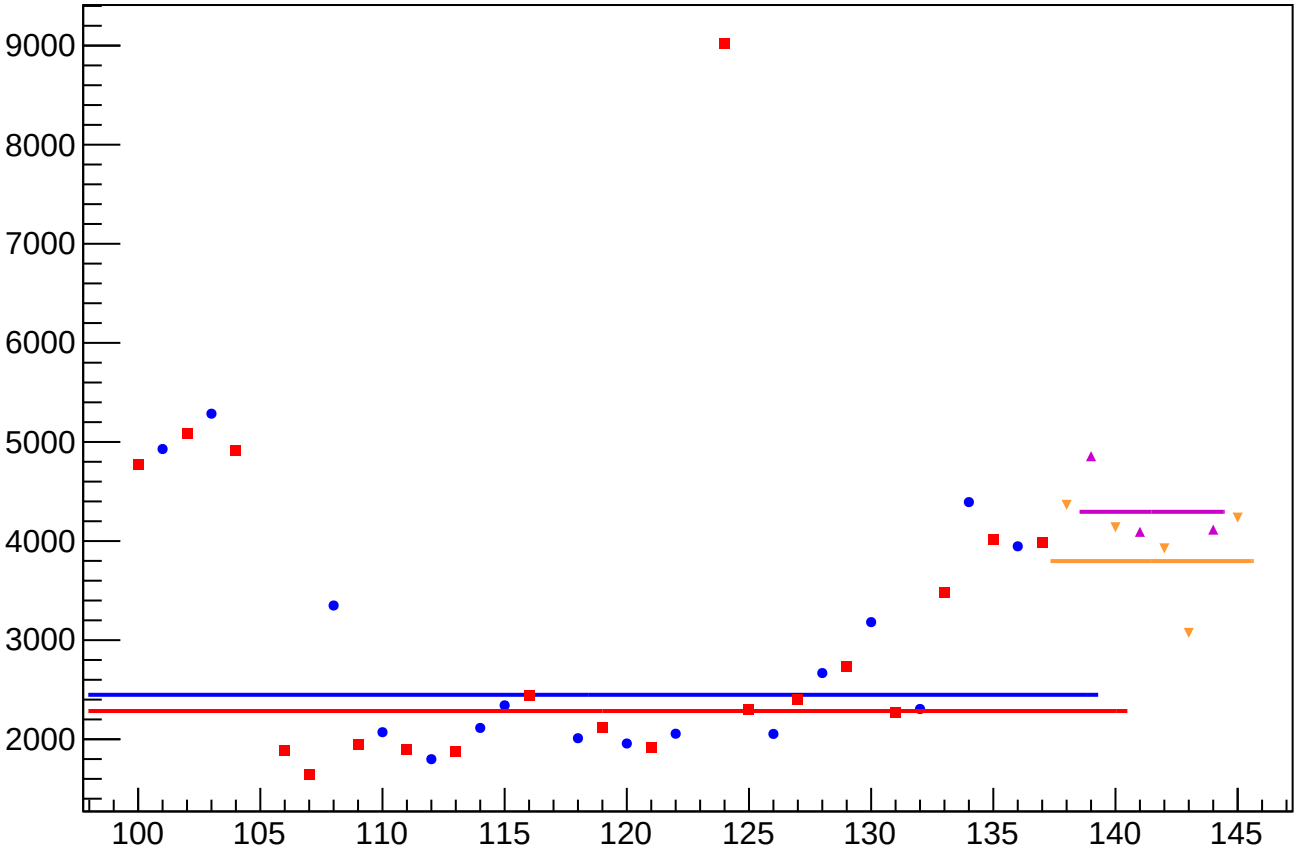
Left In: 787.744+/-2667.004 χ^2/NDF:0.7/2

+ sign -572.301+/-869.356 χ^2/NDF: 23.1/20

All: 12.058+/-603.738 χ^2/NDF: 43.5/42

- sign 556.421+/-839.078 χ^2/NDF: 19.5/21

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

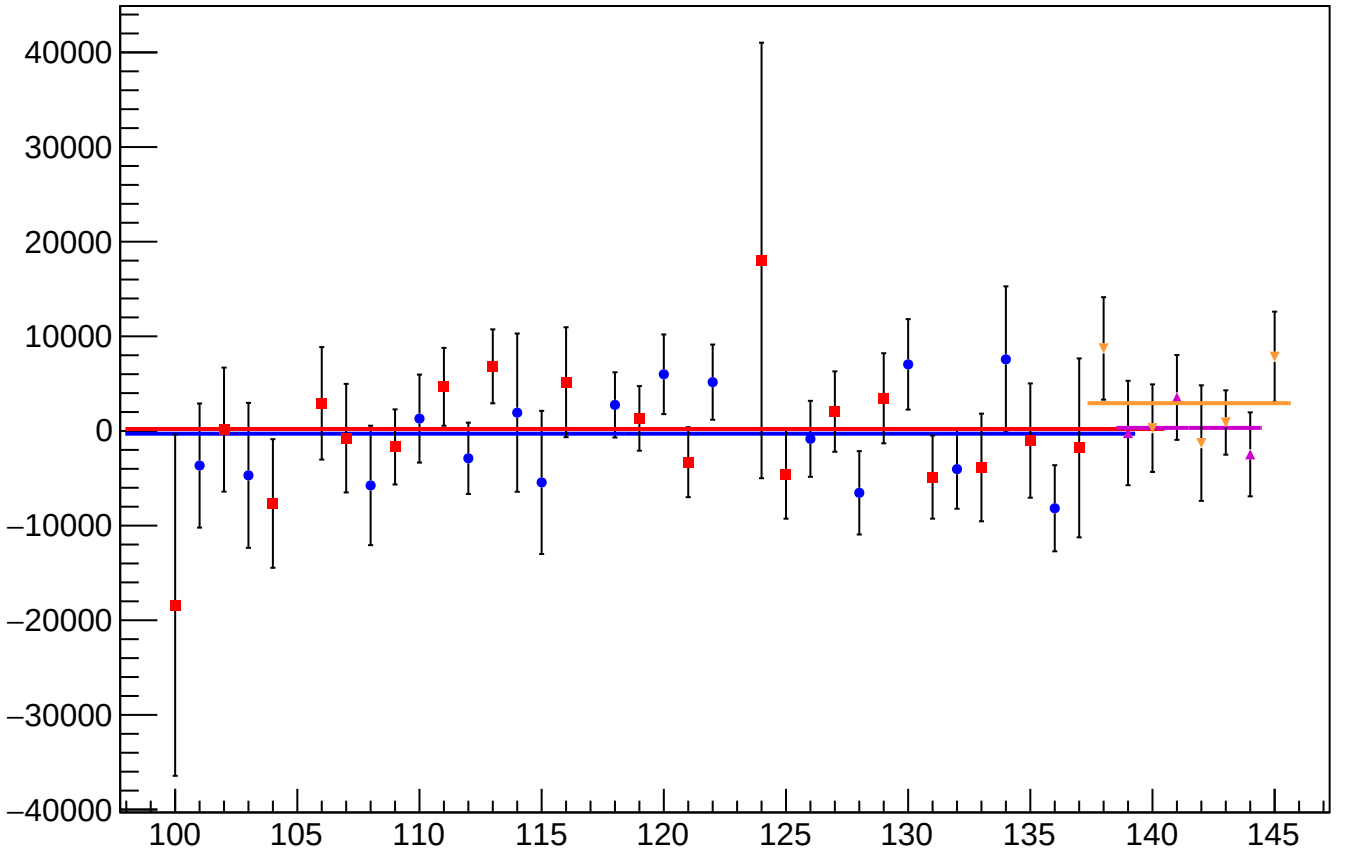
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4295.229+/-1.886 χ^2/NDF:30131.0/2

+ sign 2702.084+/-0.615 χ^2/NDF: 2398879.2/20

All: 2589.197+/-0.427 χ^2/NDF: 5066689.0/42

- sign 2484.036+/-0.593 χ^2/NDF: 2602672.2/21



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

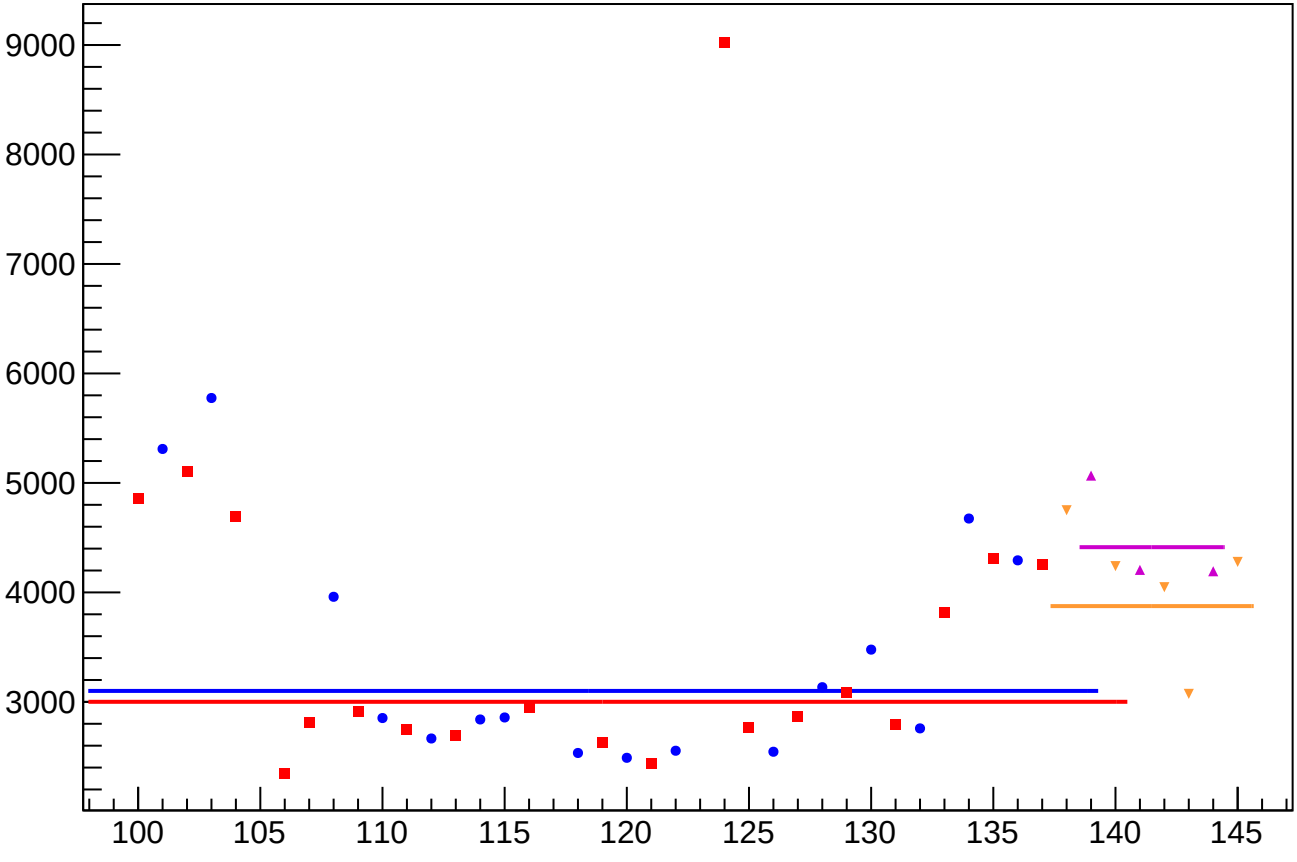
Left In: 327.548+/-2736.980 χ^2/NDF:0.9/2

+ sign 533.340+/-1033.846 χ^2/NDF: 21.8/20

All: 384.590+/-741.181 χ^2/NDF: 35.6/42

- sign 227.288+/-1063.145 χ^2/NDF: 13.8/21

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

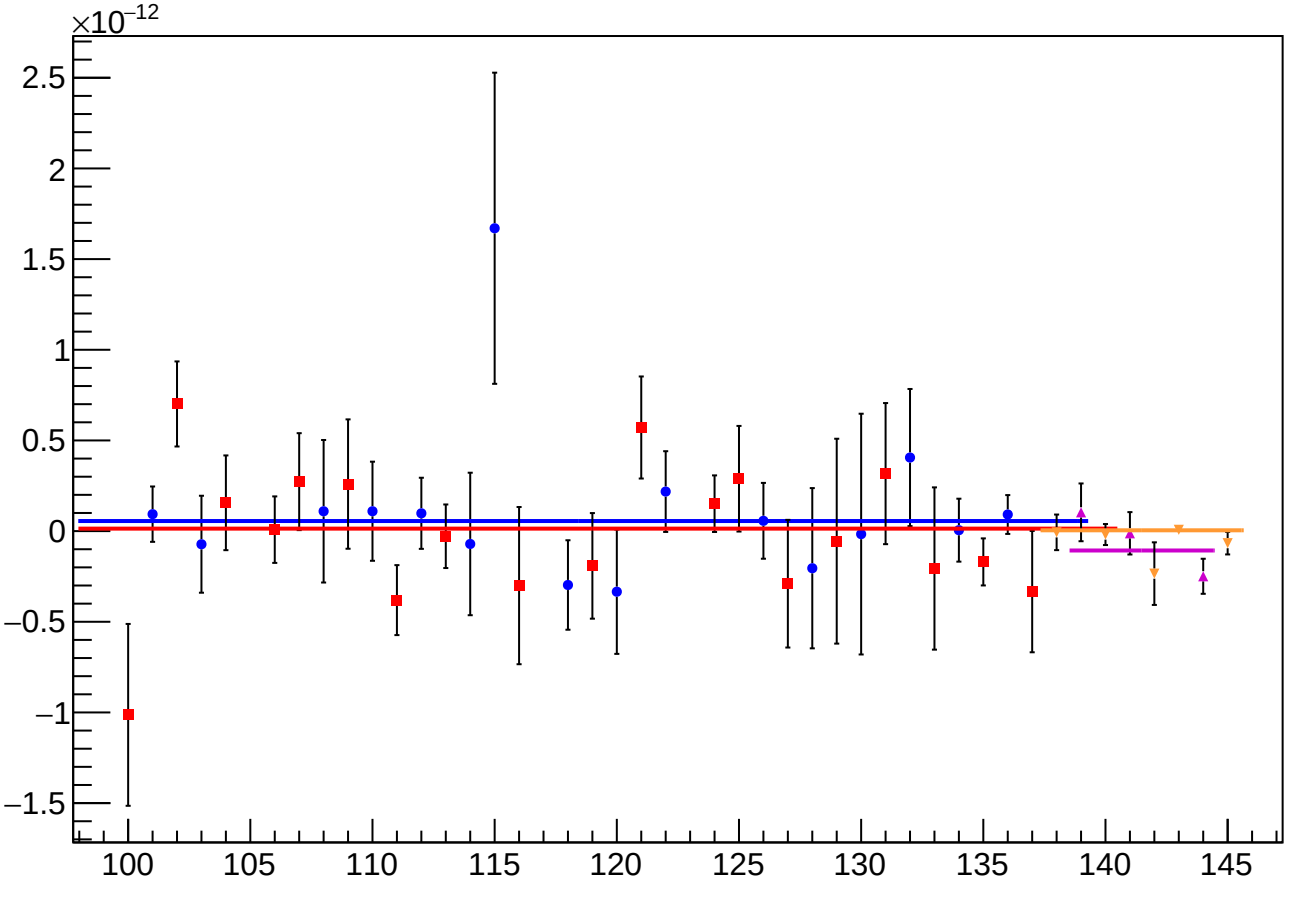
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4413.158+/-1.935 χ^2/NDF:37294.3/2

+ sign 3297.275+/-0.731 χ^2/NDF: 1368522.0/20

All: 3253.854+/-0.521 χ^2/NDF: 2673673.4/42

- sign 3208.987+/-0.743 χ^2/NDF: 1297978.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/4

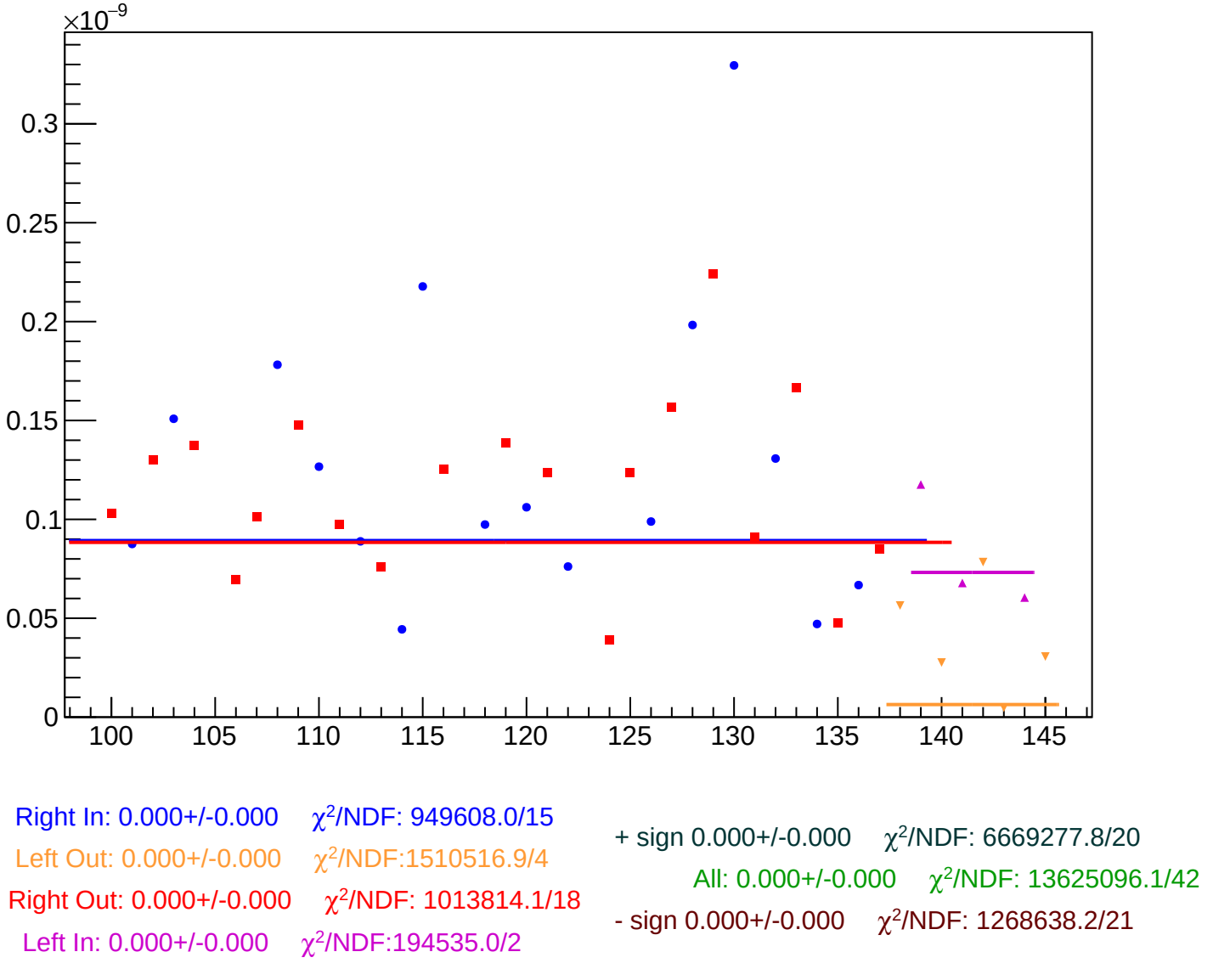
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/2

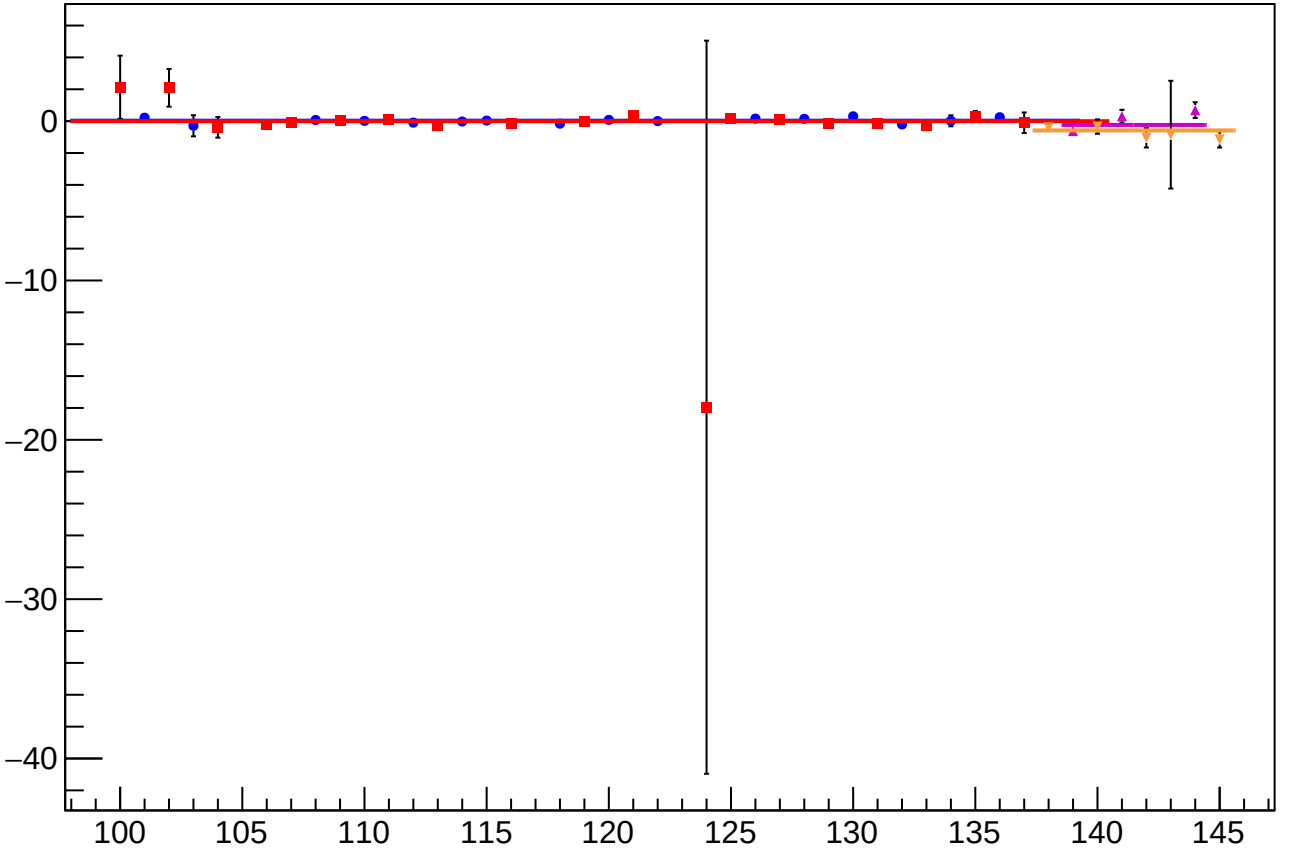
+ sign 0.000+/-0.000 χ^2/NDF: 13.6/20

All: 0.000+/-0.000 χ^2/NDF: 51.0/42

- sign -0.000+/-0.000 χ^2/NDF: 36.5/21


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
105
110
115
120
125
130
135
140
145
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:194535.0/2
+ sign 0.000+/-0.000 χ²/NDF: 6669277.8/20
All: 0.000+/-0.000 χ²/NDF: 13625096.1/42
- sign 0.000+/-0.000 χ²/NDF: 1268638.2/21

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

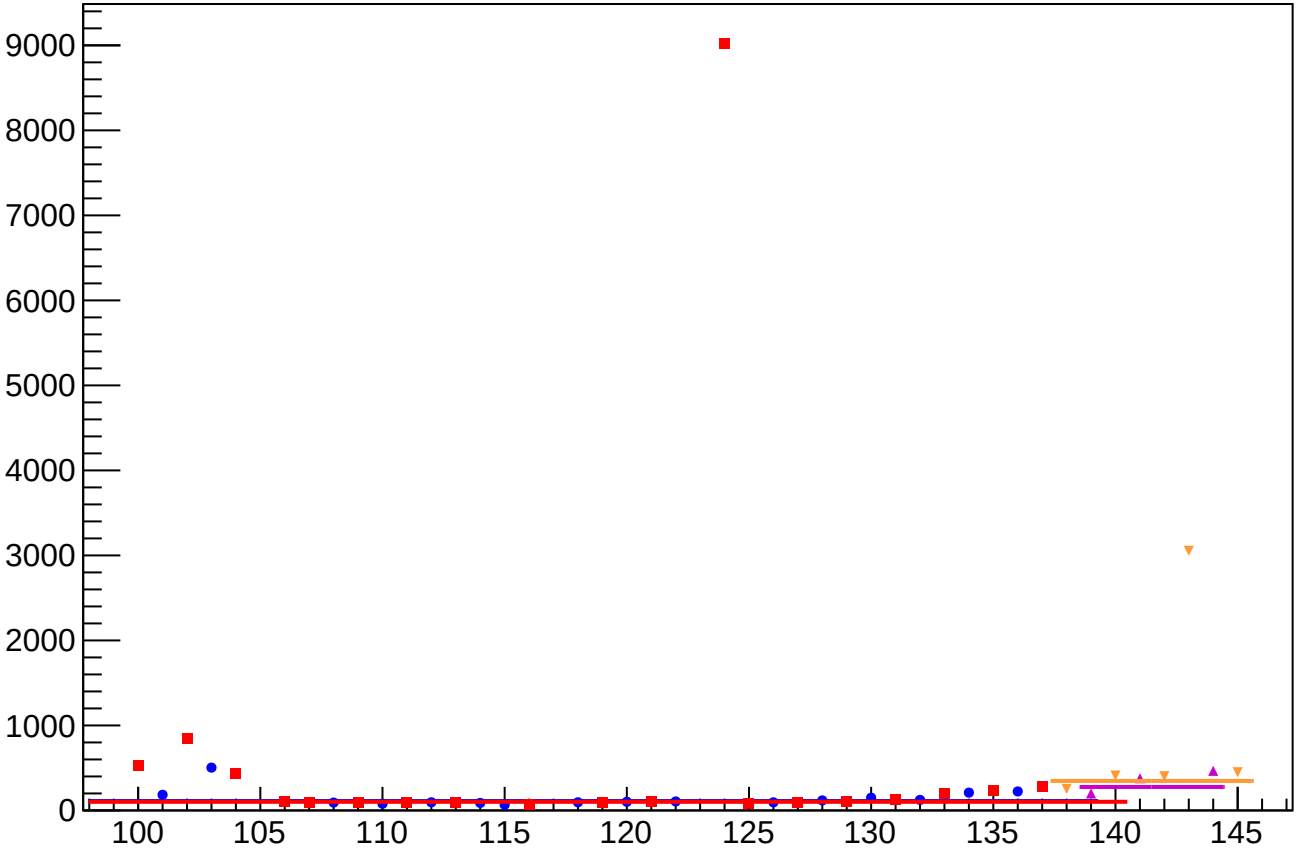
Left In: -0.238+/-0.186 χ^2/NDF:8.1/2

+ sign 0.000+/-0.044 χ^2/NDF: 19.6/20

All: -0.008+/-0.031 χ^2/NDF: 51.7/42

- sign -0.015+/-0.042 χ^2/NDF: 32.0/21

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

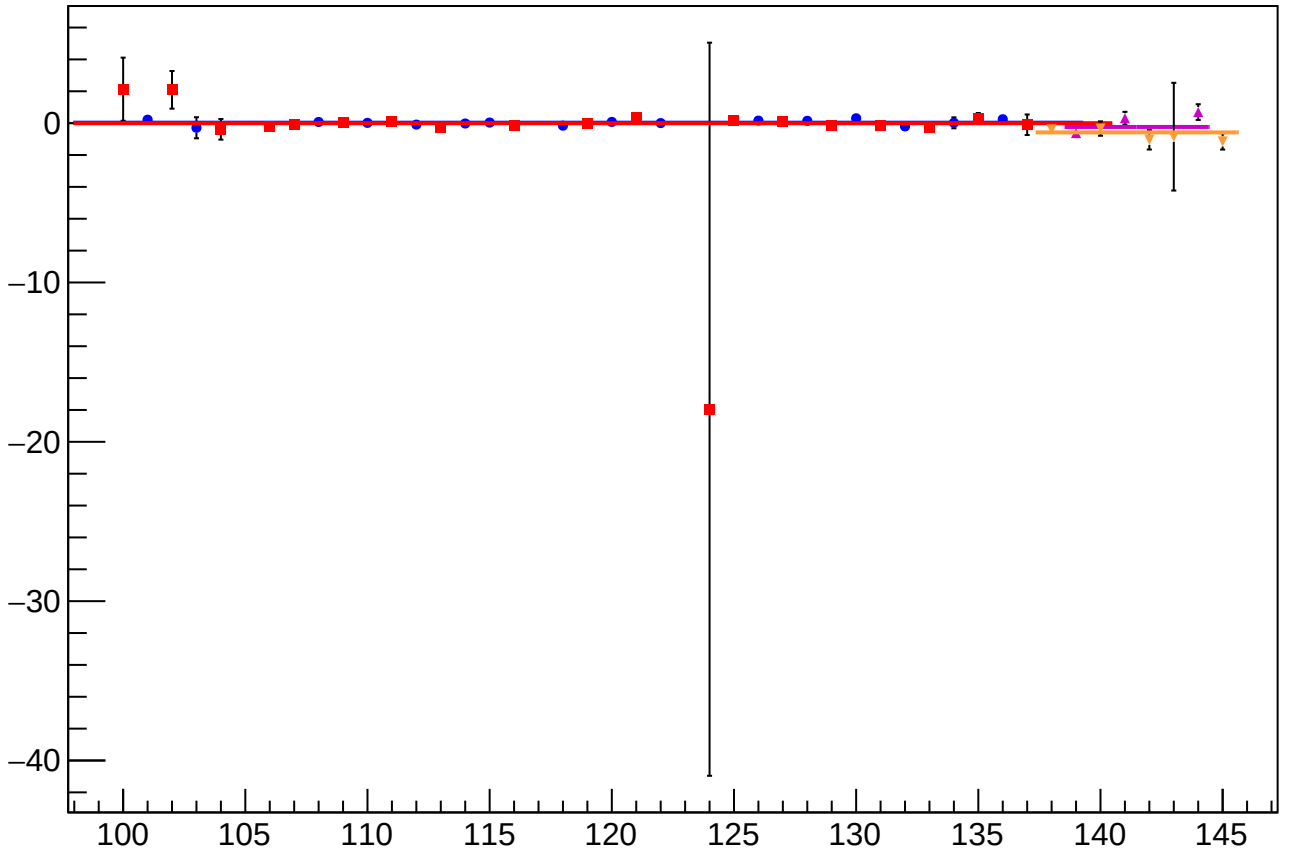
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.224+/-0.132 χ^2/NDF:639037.6/2

+ sign 120.758+/-0.031 χ^2/NDF: 6044317.3/20

All: 115.555+/-0.022 χ^2/NDF: 10988011.3/42

- sign 110.817+/-0.030 χ^2/NDF: 4890897.2/21



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

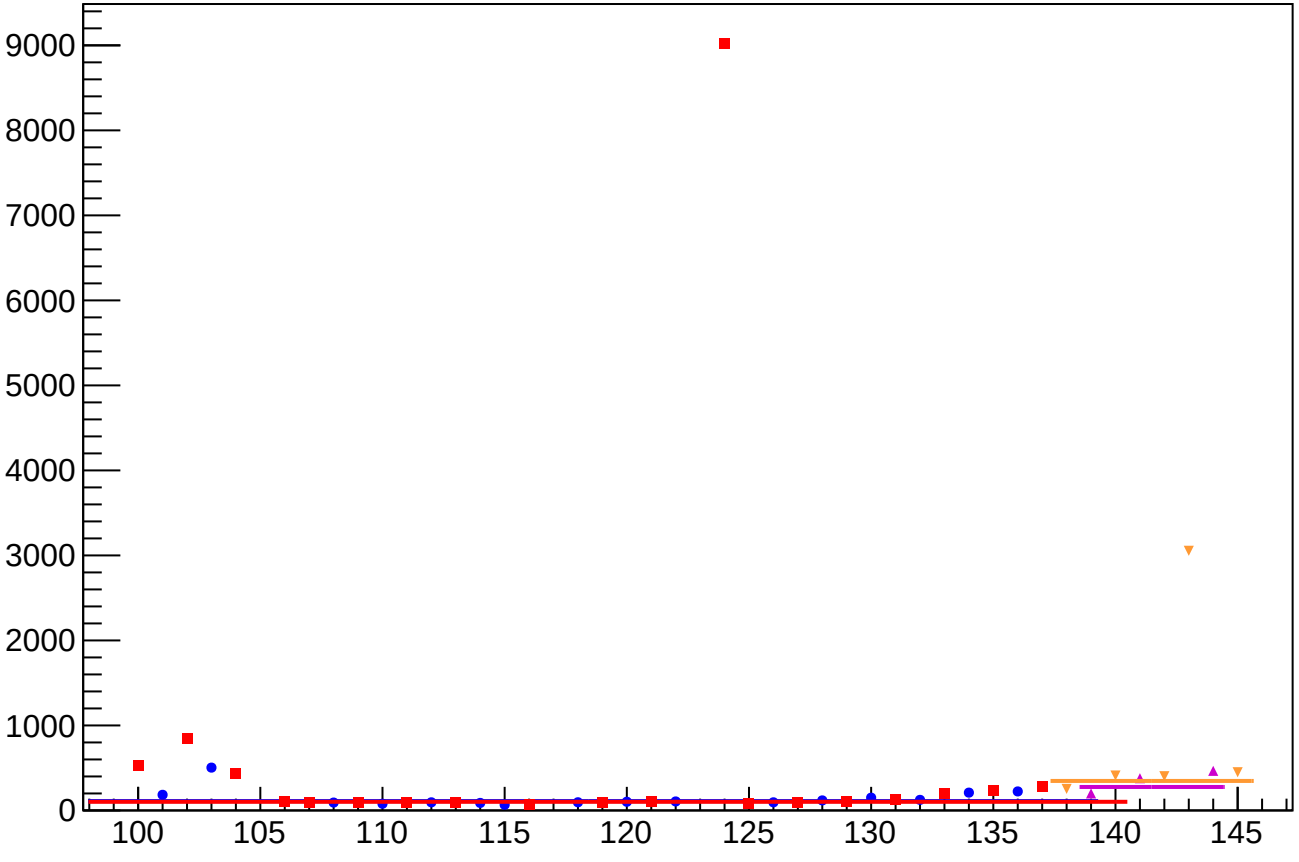
Left In: -0.238+/-0.186 χ^2/NDF:8.1/2

+ sign 0.000+/-0.044 χ^2/NDF: 19.6/20

All: -0.008+/-0.031 χ^2/NDF: 51.7/42

- sign -0.015+/-0.042 χ^2/NDF: 32.0/21

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

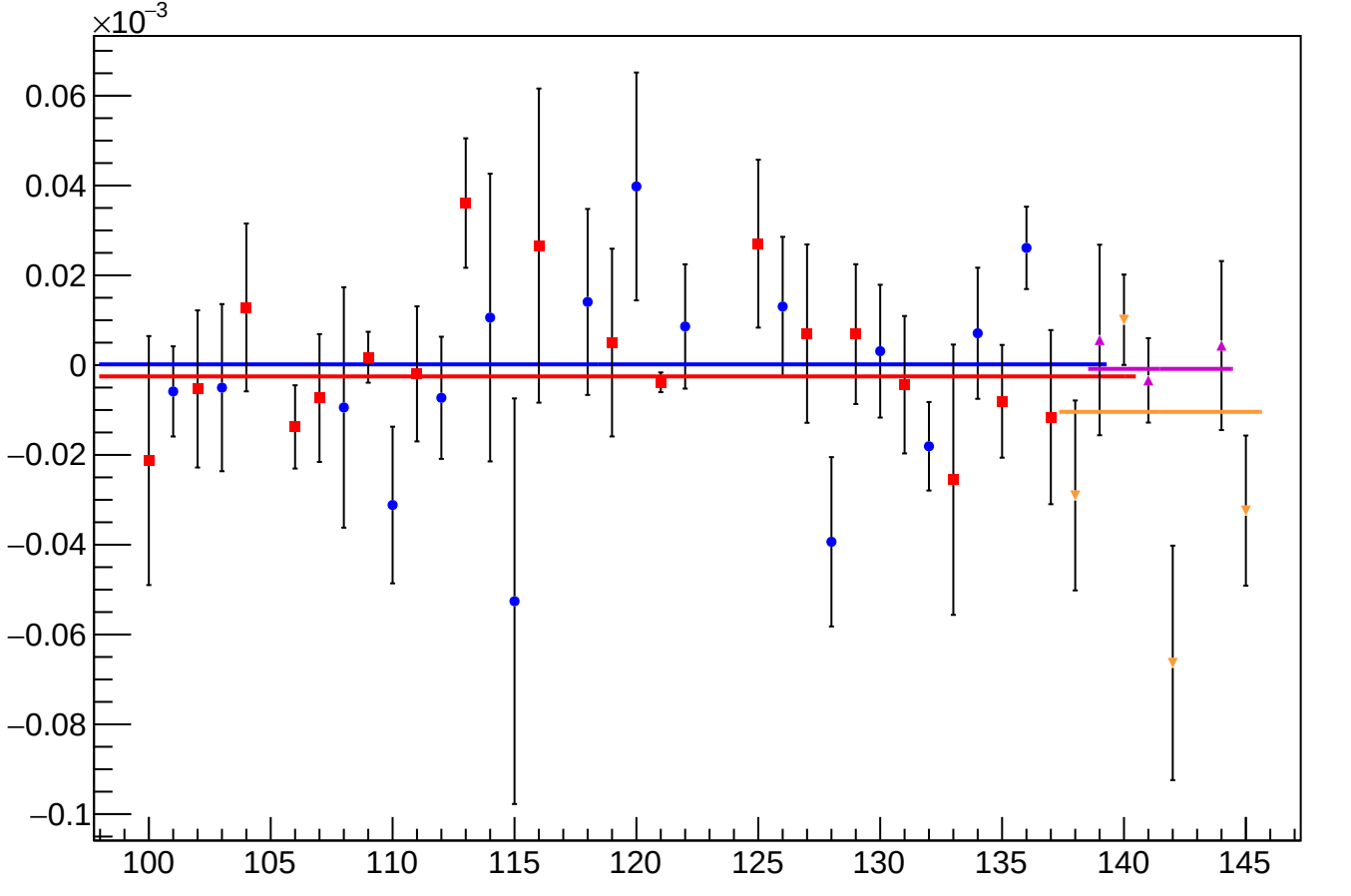
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.224+/-0.132 χ^2/NDF:639037.6/2

+ sign 120.758+/-0.031 χ^2/NDF: 6044317.3/20

All: 115.555+/-0.022 χ^2/NDF: 10988011.3/42

- sign 110.817+/-0.030 χ^2/NDF: 4890897.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/3

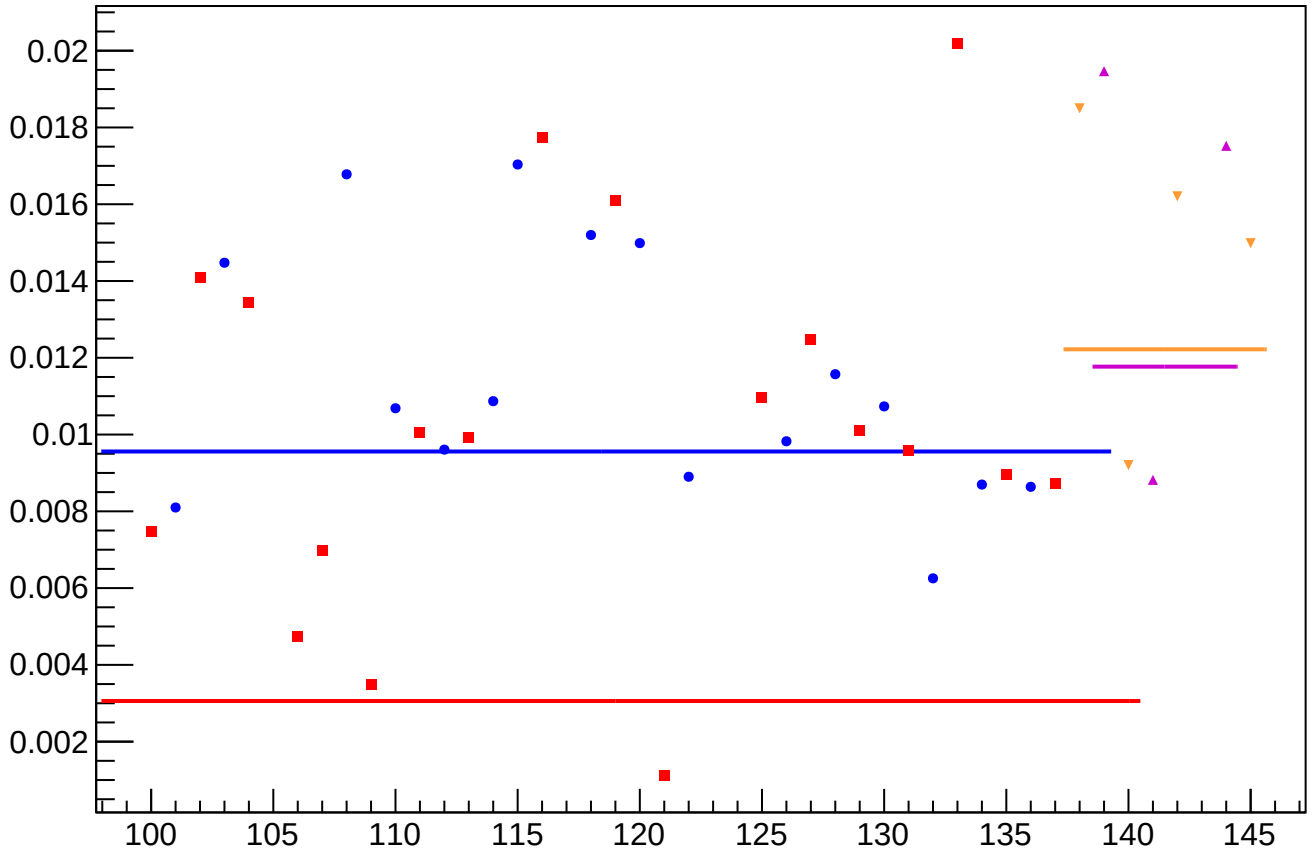
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

+ sign -0.000+/-0.000 χ^2/NDF: 38.4/19

All: -0.000+/-0.000 χ^2/NDF: 54.5/40

- sign -0.000+/-0.000 χ^2/NDF: 16.1/20



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

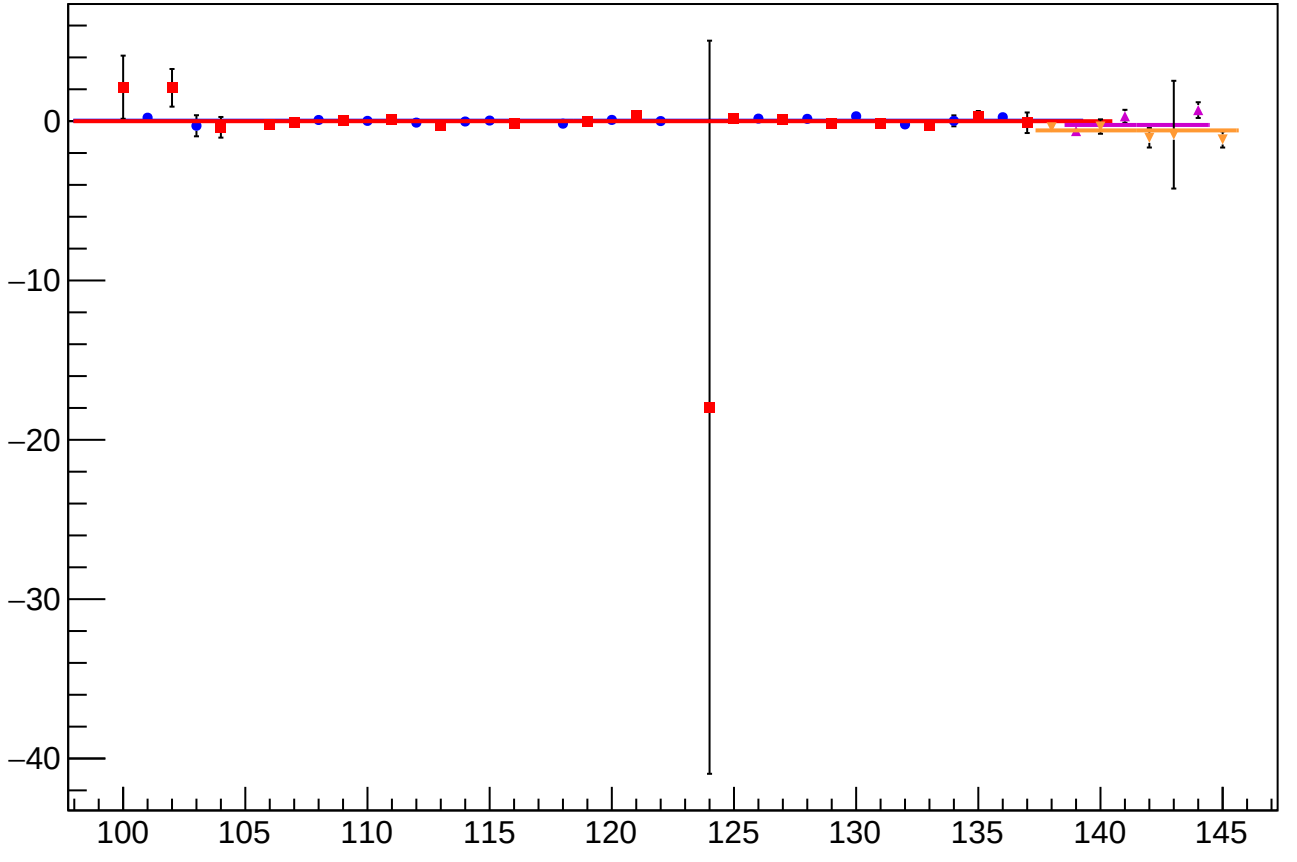
Left In: 0.012+/-0.000 χ^2/NDF:646724.8/2

+ sign 0.010+/-0.000 χ^2/NDF: 1579604.9/19

All: 0.005+/-0.000 χ^2/NDF: 18679472.9/40

- sign 0.004+/-0.000 χ^2/NDF: 11121687.4/20

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

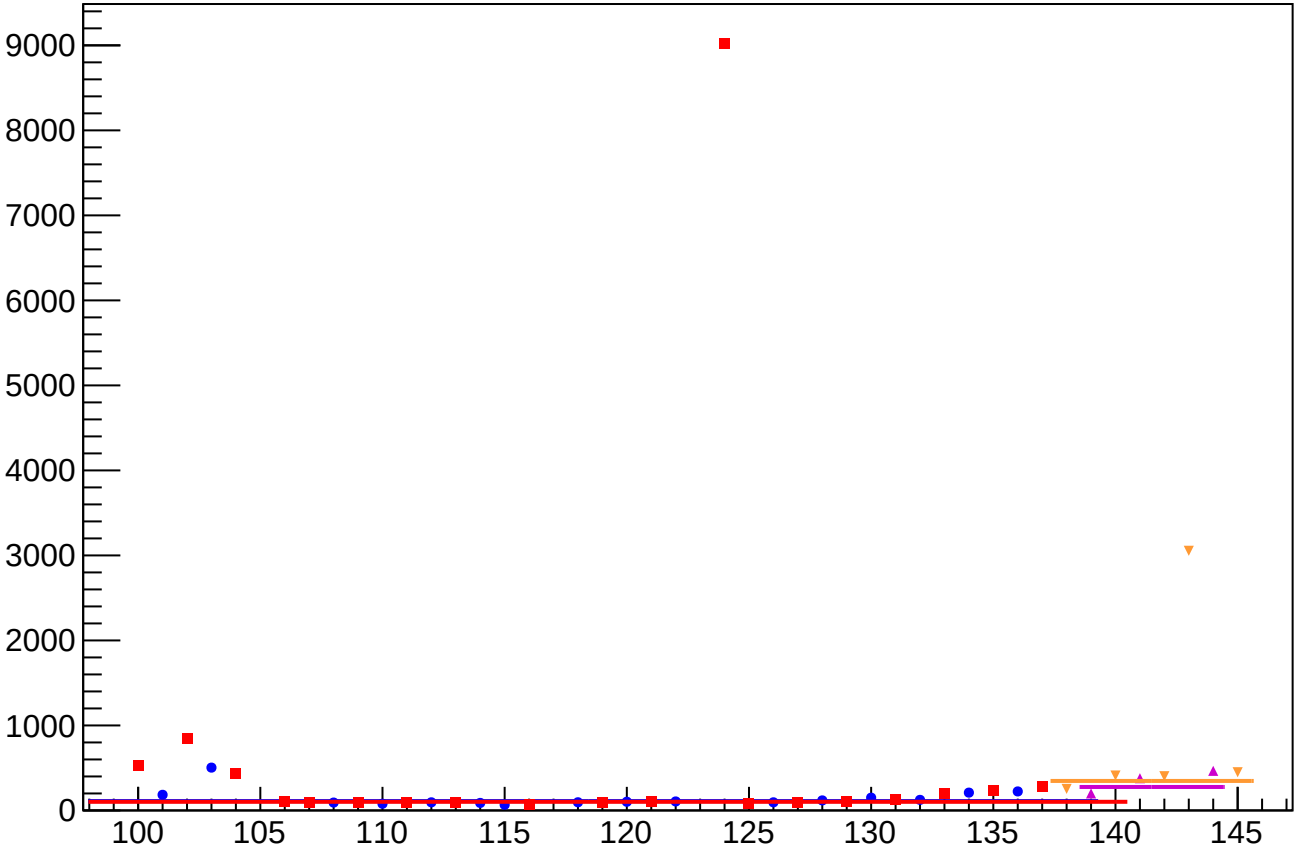
Left In: -0.238+/-0.186 χ^2/NDF:8.1/2

+ sign 0.000+/-0.044 χ^2/NDF: 19.6/20

All: -0.008+/-0.031 χ^2/NDF: 51.7/42

- sign -0.015+/-0.042 χ^2/NDF: 32.0/21

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

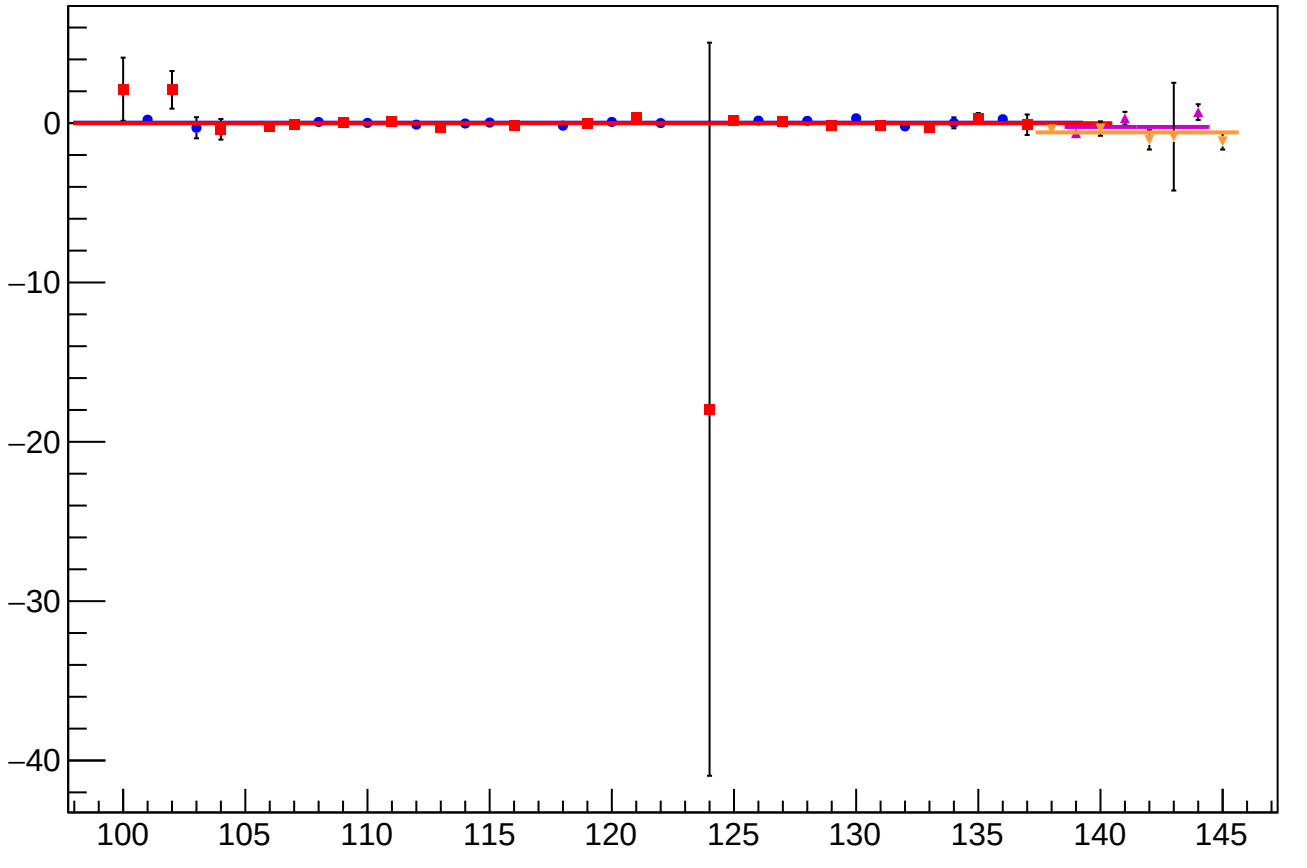
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.232+/-0.132 χ^2/NDF:639012.8/2

+ sign 120.759+/-0.031 χ^2/NDF: 6044273.8/20

All: 115.557+/-0.022 χ^2/NDF: 10987897.5/42

- sign 110.818+/-0.030 χ^2/NDF: 4890832.3/21



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

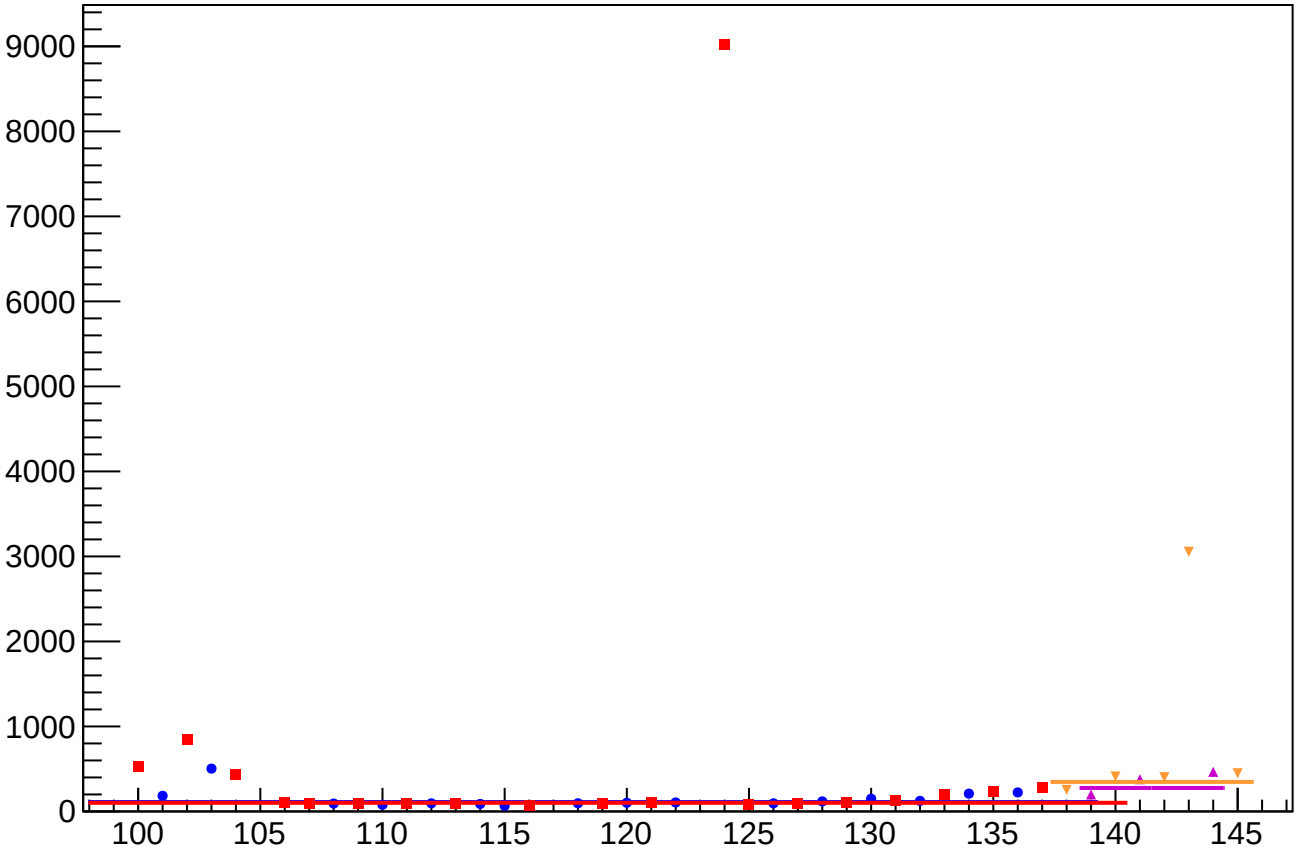
Left In: -0.238+/-0.186 χ^2/NDF:8.1/2

+ sign 0.000+/-0.044 χ^2/NDF: 19.6/20

All: -0.008+/-0.031 χ^2/NDF: 51.7/42

- sign -0.015+/-0.042 χ^2/NDF: 32.0/21

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

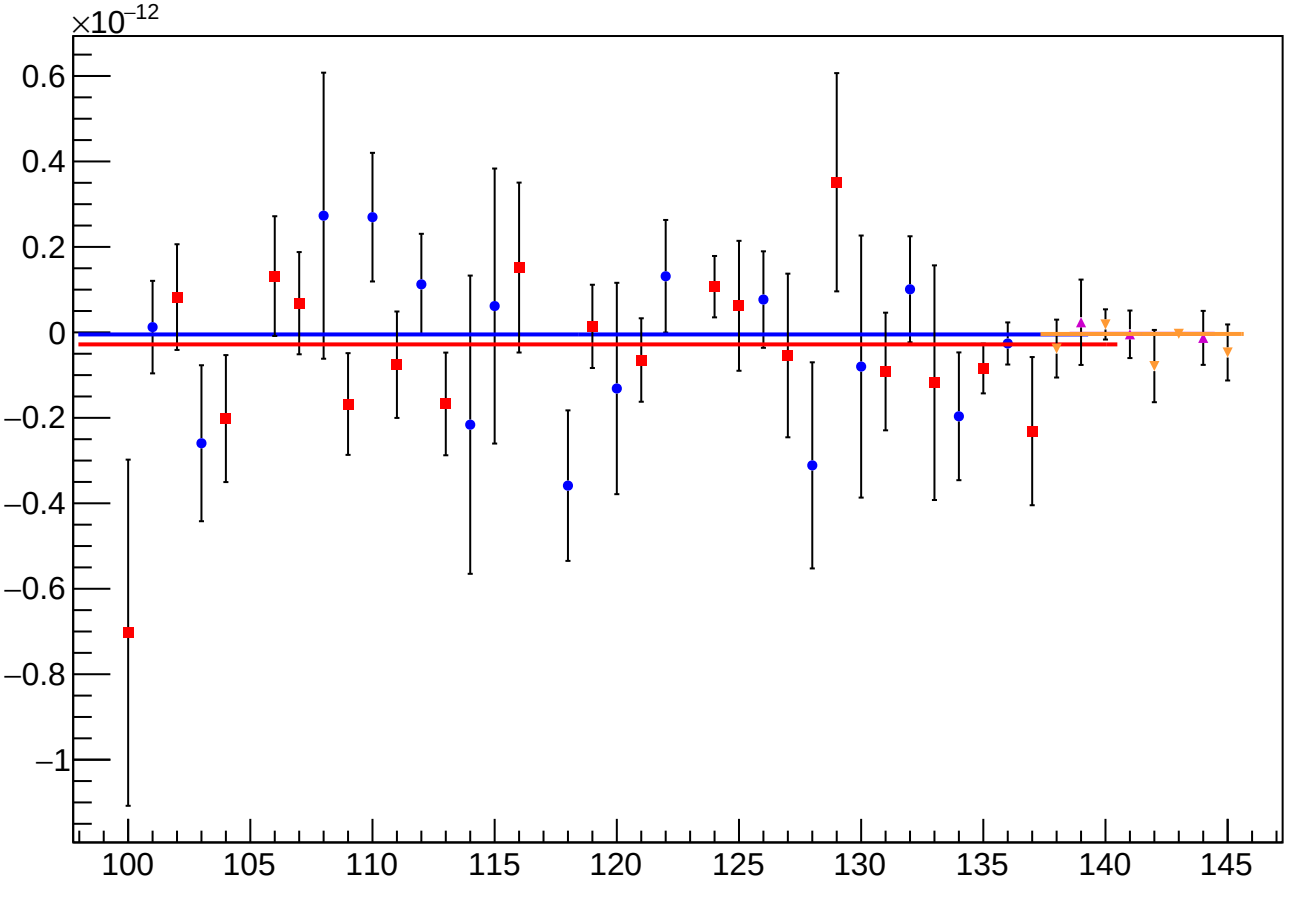
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.232+/-0.132 χ^2/NDF:639012.8/2

+ sign 120.759+/-0.031 χ^2/NDF: 6044273.8/20

All: 115.557+/-0.022 χ^2/NDF: 10987897.5/42

- sign 110.818+/-0.030 χ^2/NDF: 4890832.3/21



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/4

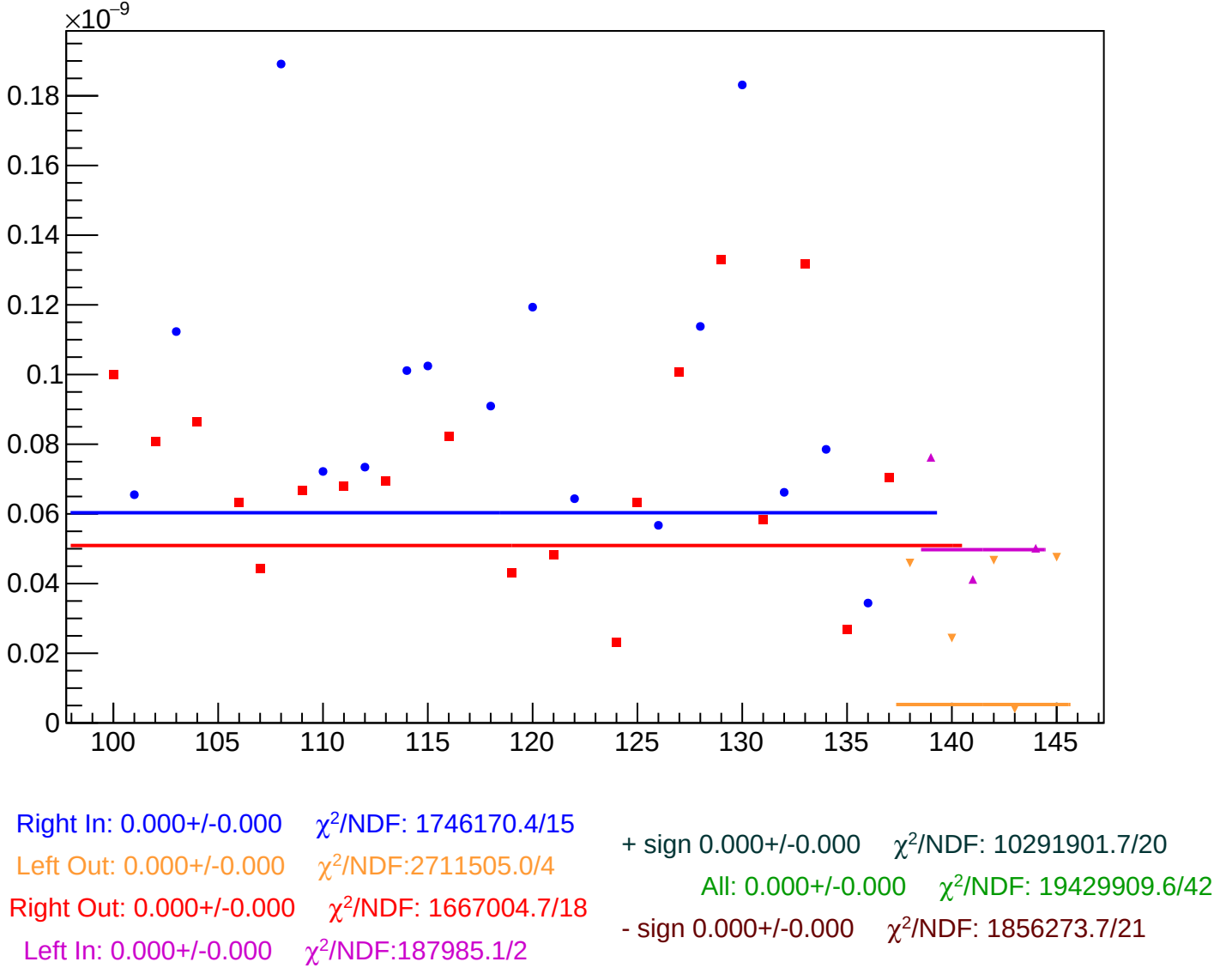
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

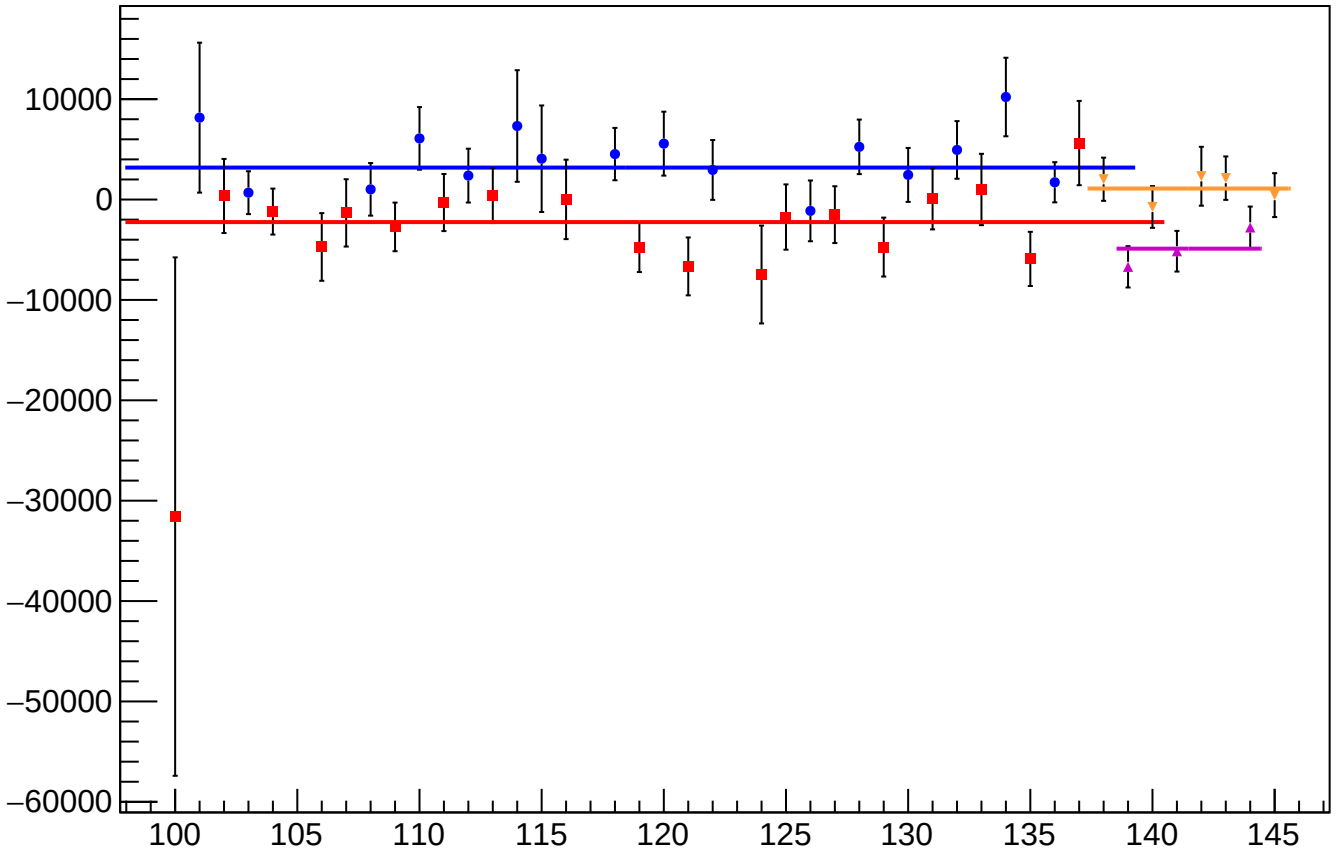
Left In: -0.000+/-0.000 χ^2/NDF:0.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 19.4/20

All: -0.000+/-0.000 χ^2/NDF: 39.9/42

- sign -0.000+/-0.000 χ^2/NDF: 20.0/21


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
105
110
115
120
125
130
135
140
145
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:187985.1/2
+ sign 0.000+/-0.000 χ²/NDF: 10291901.7/20
All: 0.000+/-0.000 χ²/NDF: 19429909.6/42
- sign 0.000+/-0.000 χ²/NDF: 1856273.7/21



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

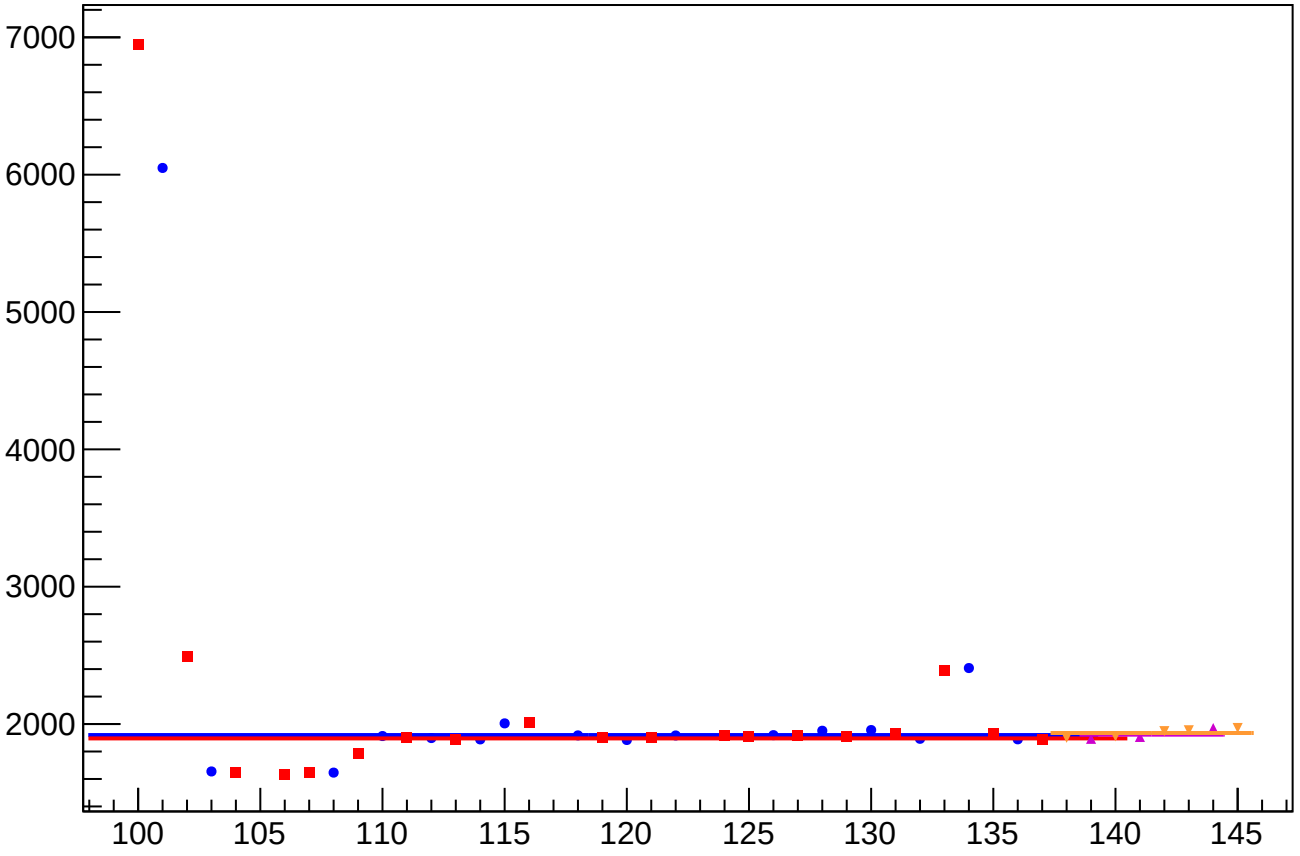
Left In: -4892.790+/-1185.340 χ^2/NDF:1.8/2

+ sign 2463.788+/-591.614 χ^2/NDF: 16.0/20

All: -159.937+/-424.573 χ^2/NDF: 78.5/42

- sign -2946.239+/-609.668 χ^2/NDF: 22.0/21

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

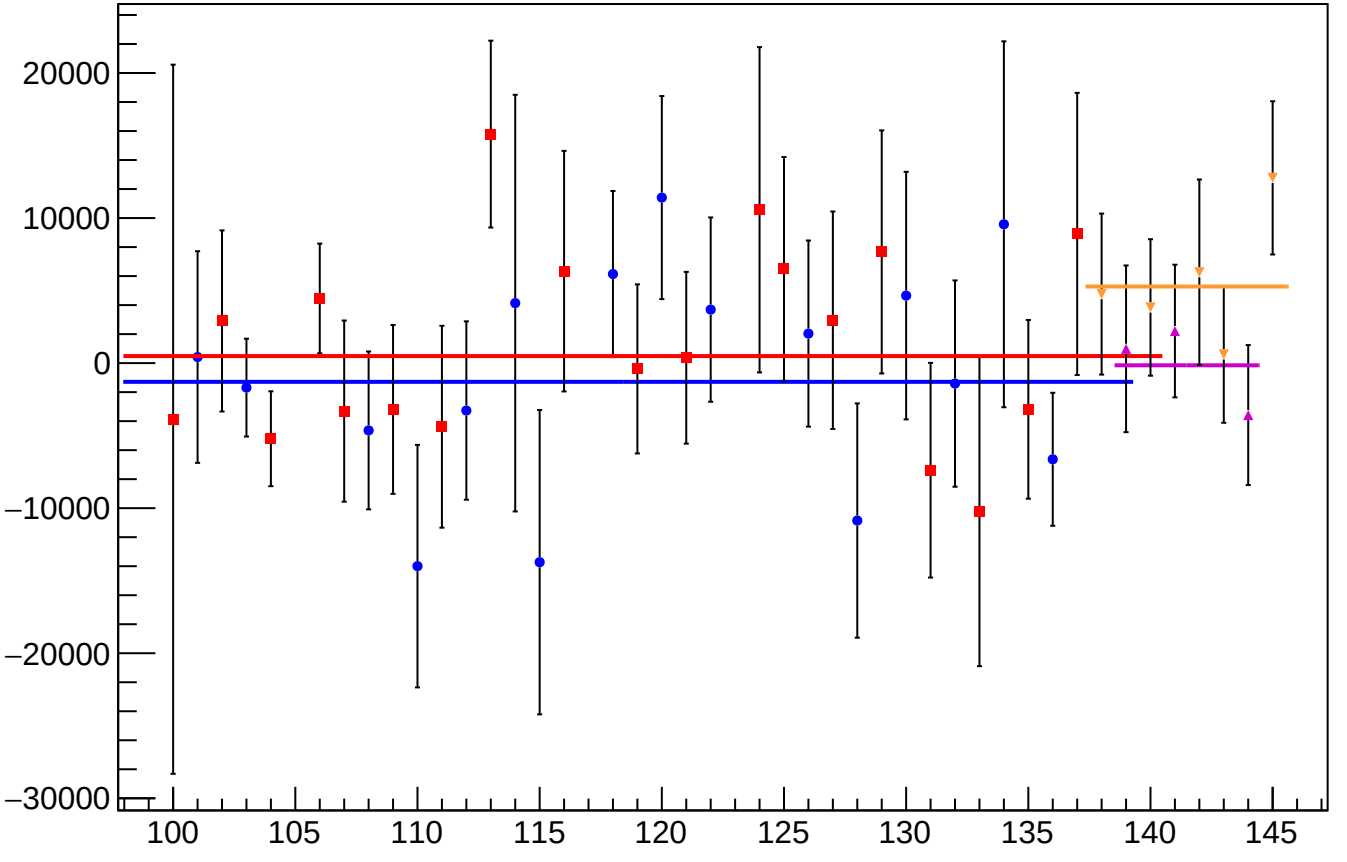
Left In: 1922.692+/-0.838 χ^2/NDF:1632.1/2

+ sign 1924.997+/-0.418 χ^2/NDF: 699198.6/20

All: 1914.085+/-0.300 χ^2/NDF: 925287.5/42

- sign 1902.555+/-0.430 χ^2/NDF: 224689.4/21

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

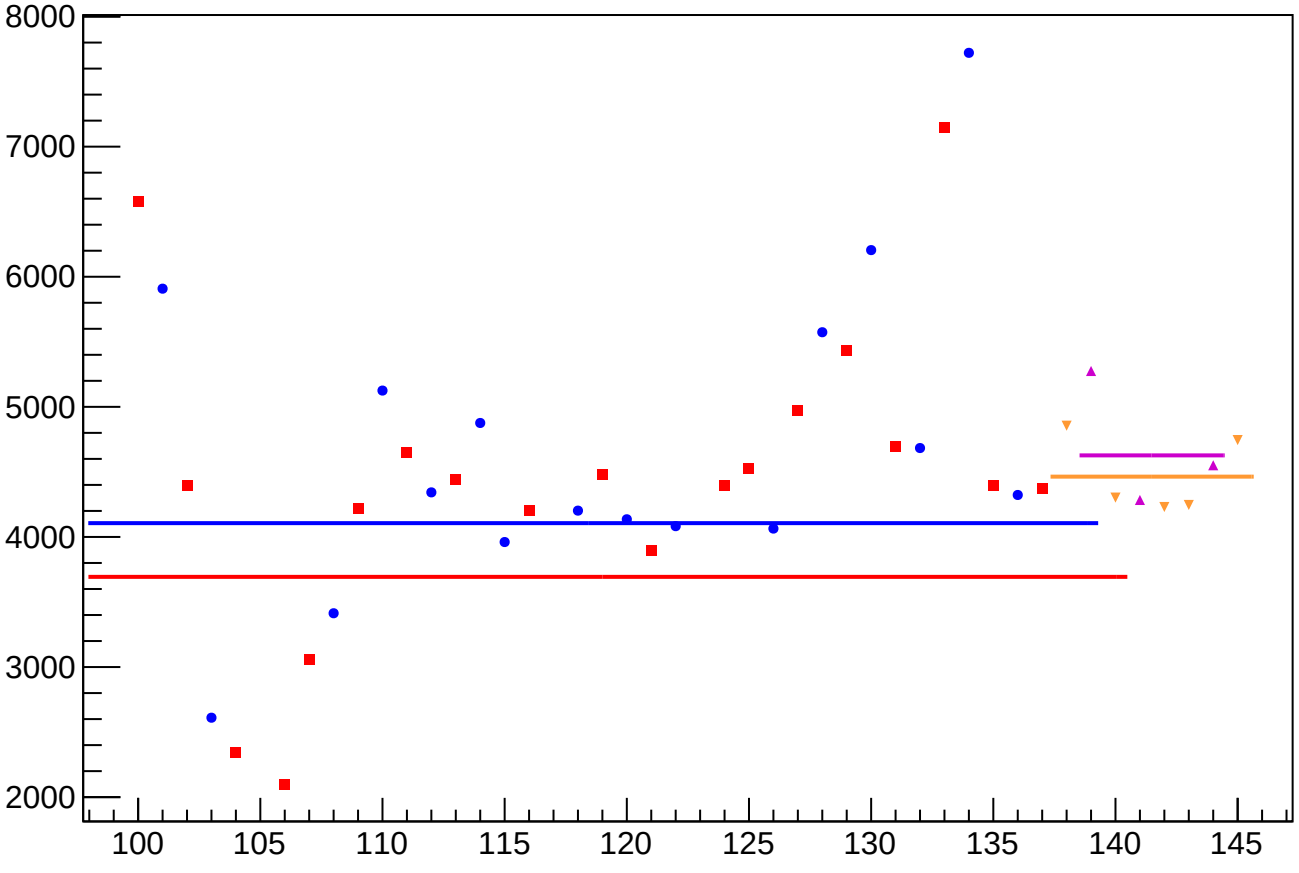
Left In: -150.419+/-2874.138 χ^2/NDF:0.8/2

+ sign 779.780+/-1312.141 χ^2/NDF: 22.8/20

All: 564.603+/-918.310 χ^2/NDF: 40.9/42

- sign 358.032+/-1285.637 χ^2/NDF: 18.1/21

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

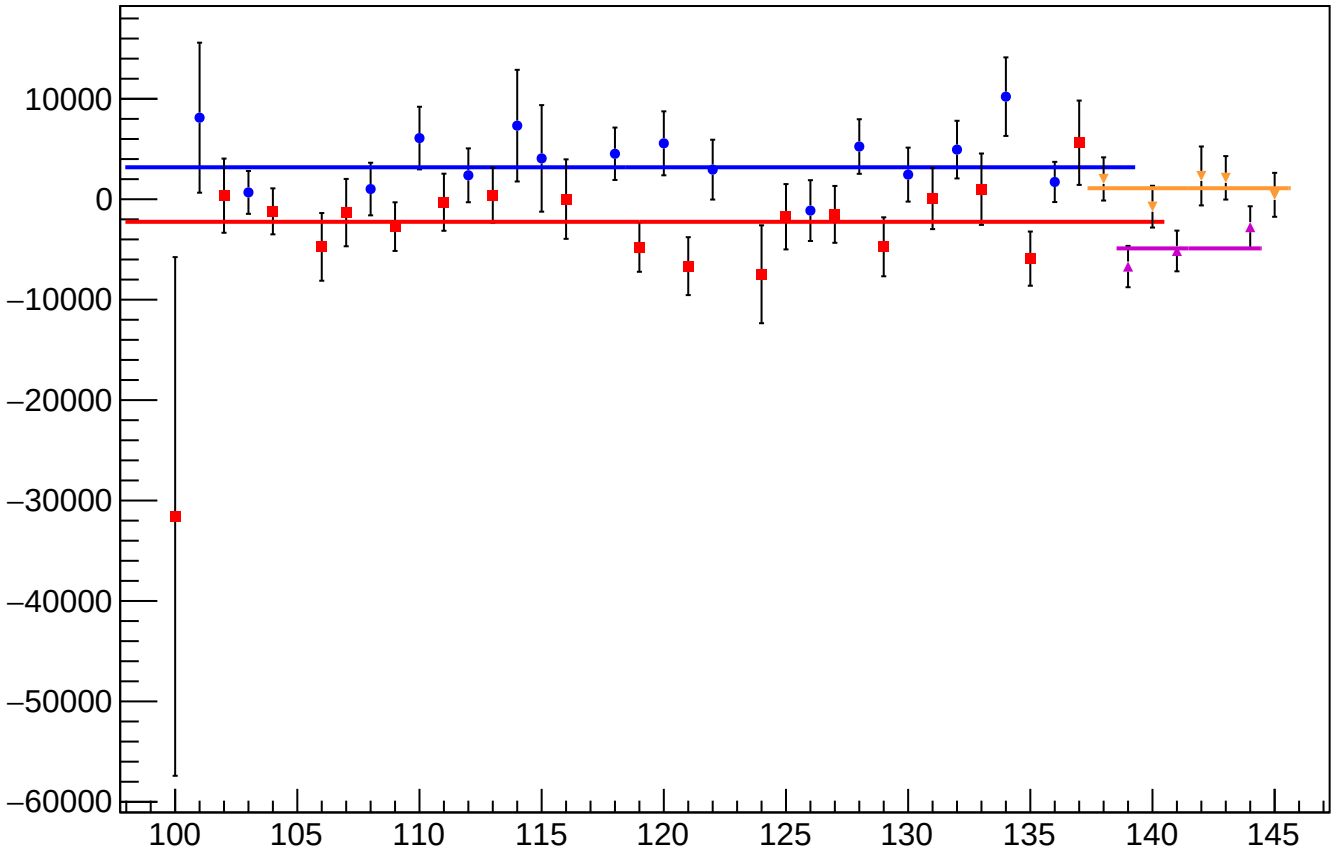
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4626.989+/-2.032 χ^2/NDF:37212.6/2

+ sign 4218.749+/-0.928 χ^2/NDF: 1013055.4/20

All: 4045.966+/-0.649 χ^2/NDF: 2643729.6/42

- sign 3880.093+/-0.909 χ^2/NDF: 1562702.5/21



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

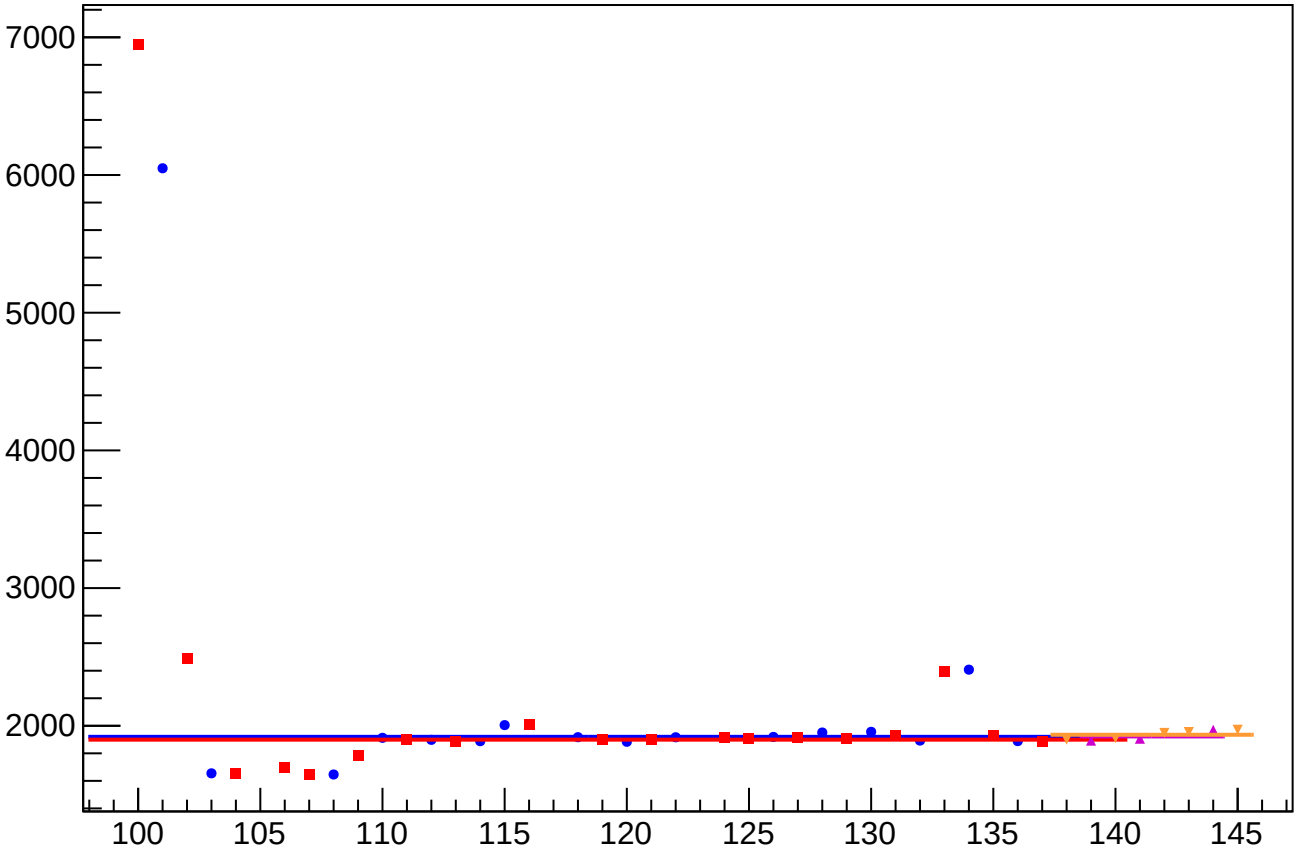
Left In: -4893.139+/-1185.340 χ^2/NDF:1.8/2

+ sign 2463.356+/-591.614 χ^2/NDF: 16.0/20

All: -160.602+/-424.574 χ^2/NDF: 78.5/42

- sign -2947.173+/-609.671 χ^2/NDF: 22.0/21

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

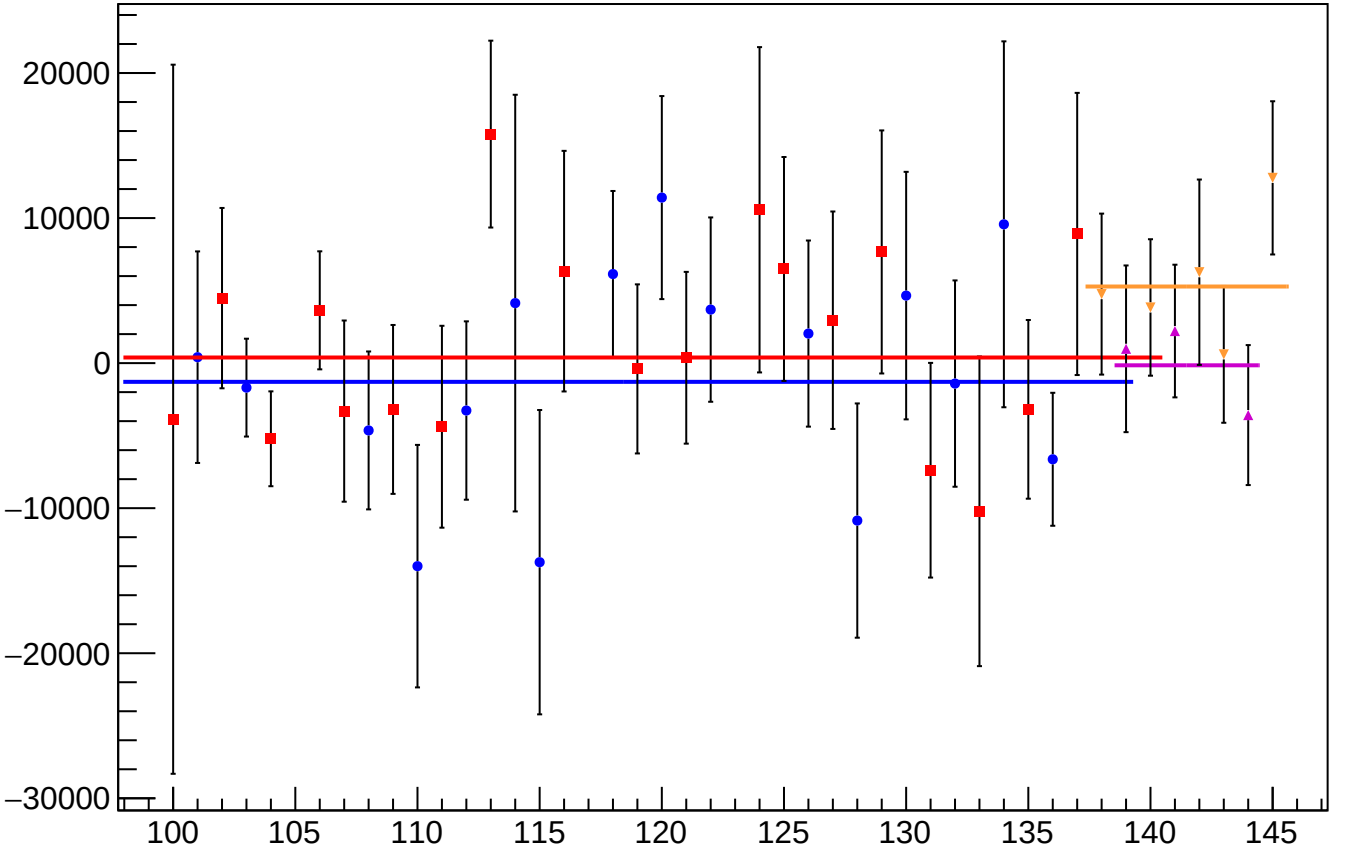
Left In: 1922.692+/-0.838 χ^2/NDF:1632.1/2

+ sign 1924.997+/-0.418 χ^2/NDF: 699197.8/20

All: 1915.541+/-0.300 χ^2/NDF: 918106.7/42

- sign 1905.521+/-0.431 χ^2/NDF: 217856.4/21

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

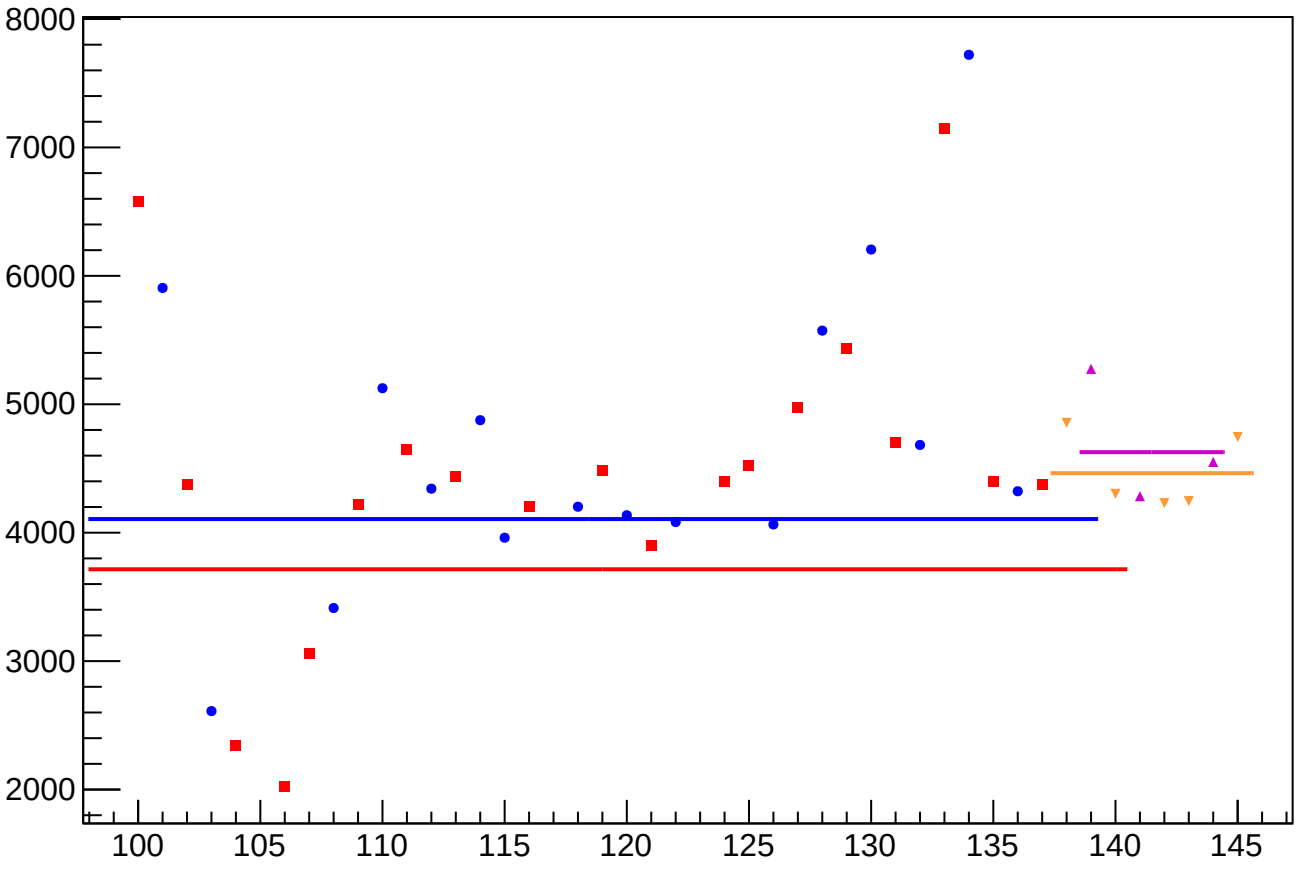
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -150.424+/-2874.139 χ^2/NDF:0.8/2

+ sign 779.572+/-1312.141 χ^2/NDF: 22.8/20

All: 525.761+/-921.945 χ^2/NDF: 40.7/42

- sign 278.282+/-1295.670 χ^2/NDF: 17.8/21


asym_atr_avg_cor_correction_rms vs Slug
8000
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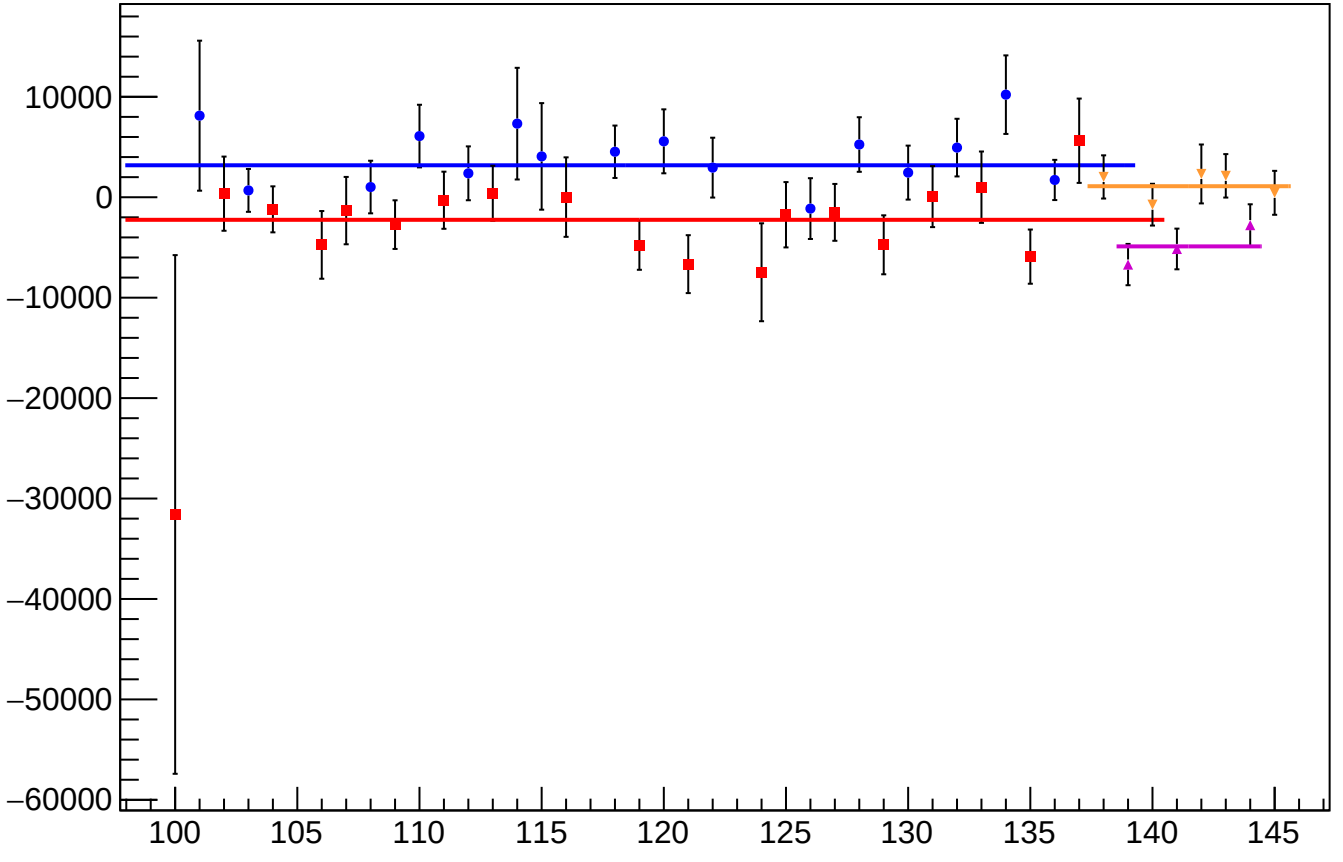
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 4106.234+/-1.121 χ²/NDF: 955631.2/15
Left Out: 4463.560+/-1.653 χ²/NDF:24899.8/4
Right Out: 3715.202+/-1.026 χ²/NDF: 1335100.7/18
Left In: 4626.989+/-2.032 χ²/NDF:37214.1/2
+ sign 4218.807+/-0.928 χ²/NDF: 1012536.9/20
All: 4057.642+/-0.652 χ²/NDF: 2604818.8/42
- sign 3900.499+/-0.916 χ²/NDF: 1532690.2/21

eigen_cor_asym_atr_avg_mean vs Slug



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

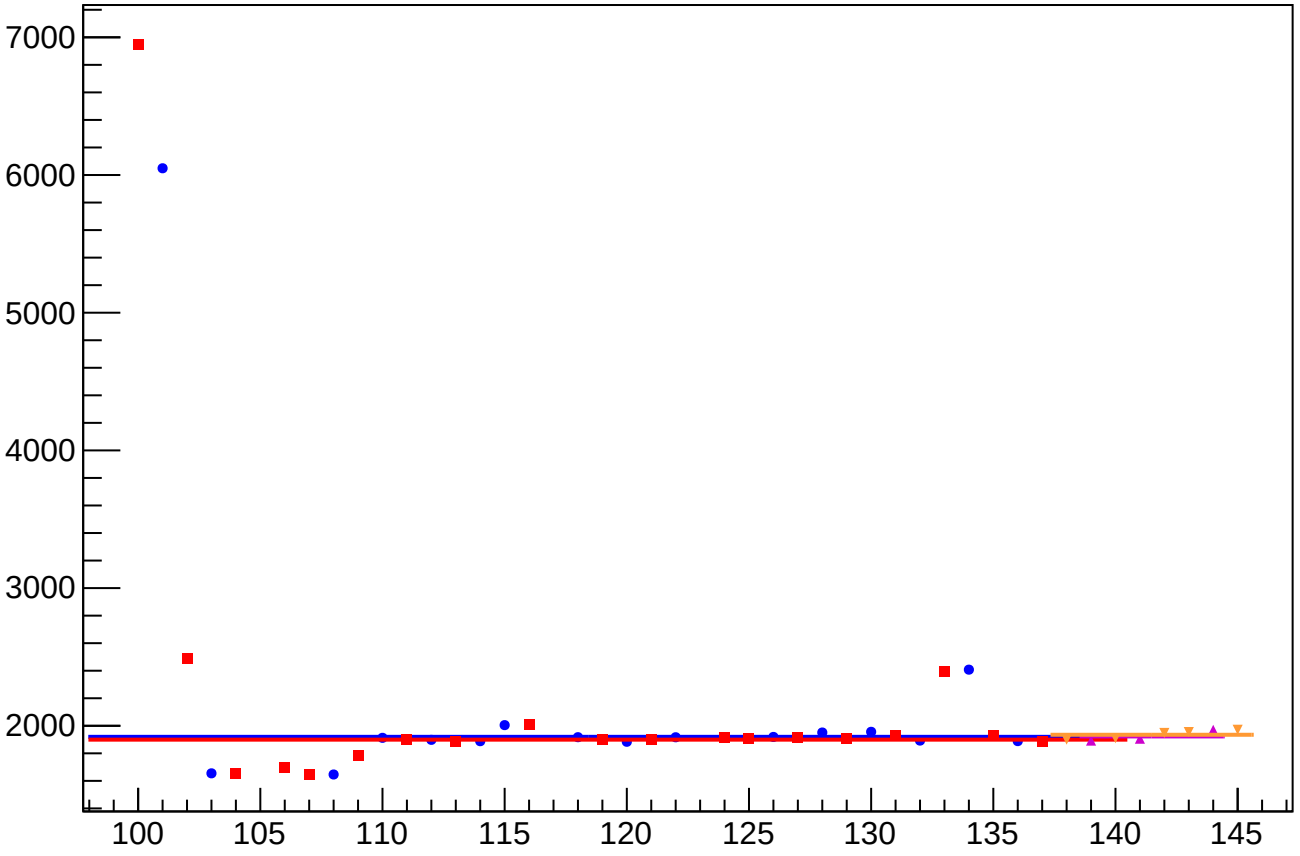
Left In: -4893.139+/-1185.340 χ^2/NDF:1.8/2

+ sign 2463.356+/-591.614 χ^2/NDF: 16.0/20

All: -160.602+/-424.574 χ^2/NDF: 78.5/42

- sign -2947.173+/-609.671 χ^2/NDF: 22.0/21

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

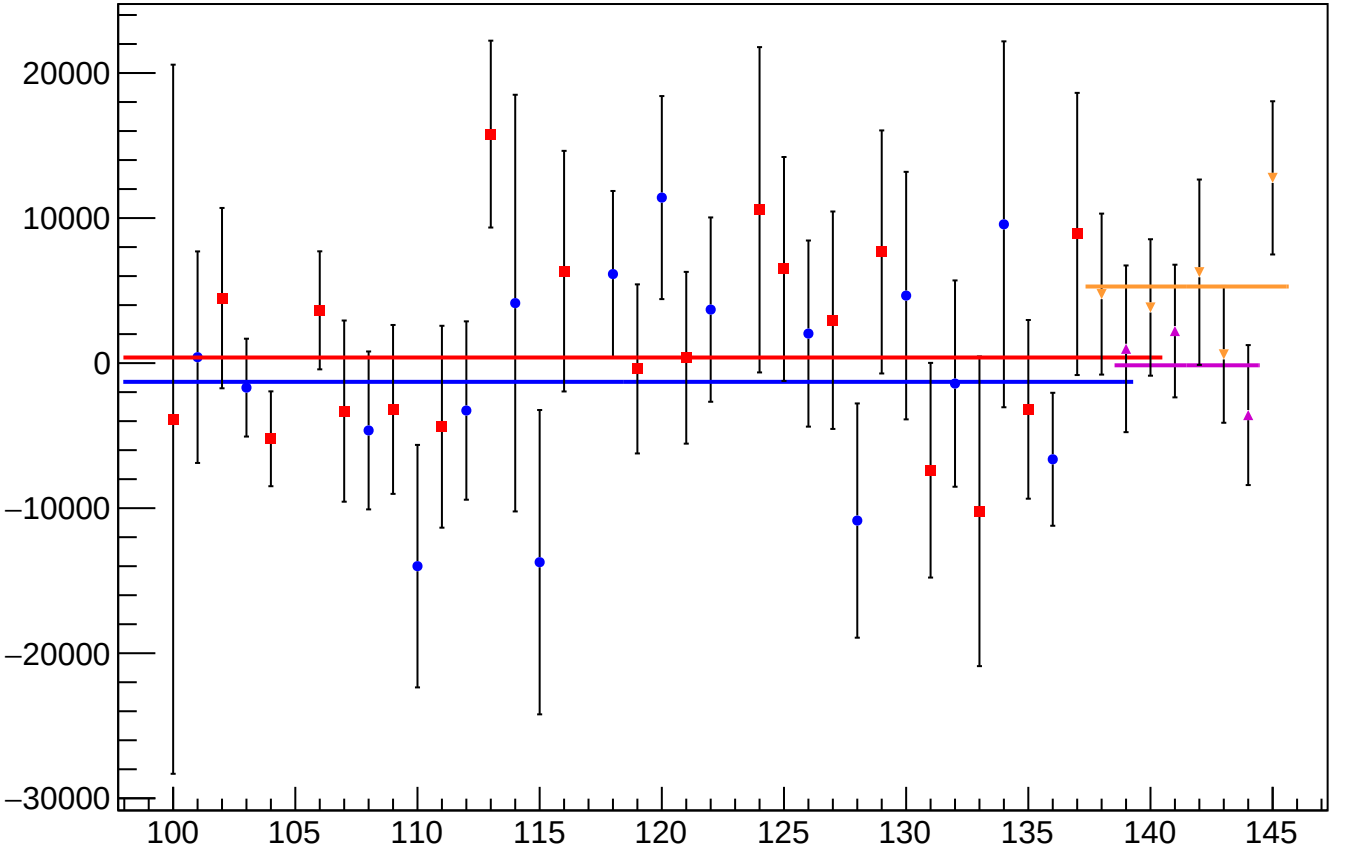
Left In: 1922.692+/-0.838 χ^2/NDF:1632.1/2

+ sign 1924.997+/-0.418 χ^2/NDF: 699197.8/20

All: 1915.541+/-0.300 χ^2/NDF: 918106.7/42

- sign 1905.521+/-0.431 χ^2/NDF: 217856.4/21

asym_atr_avg_eigen_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

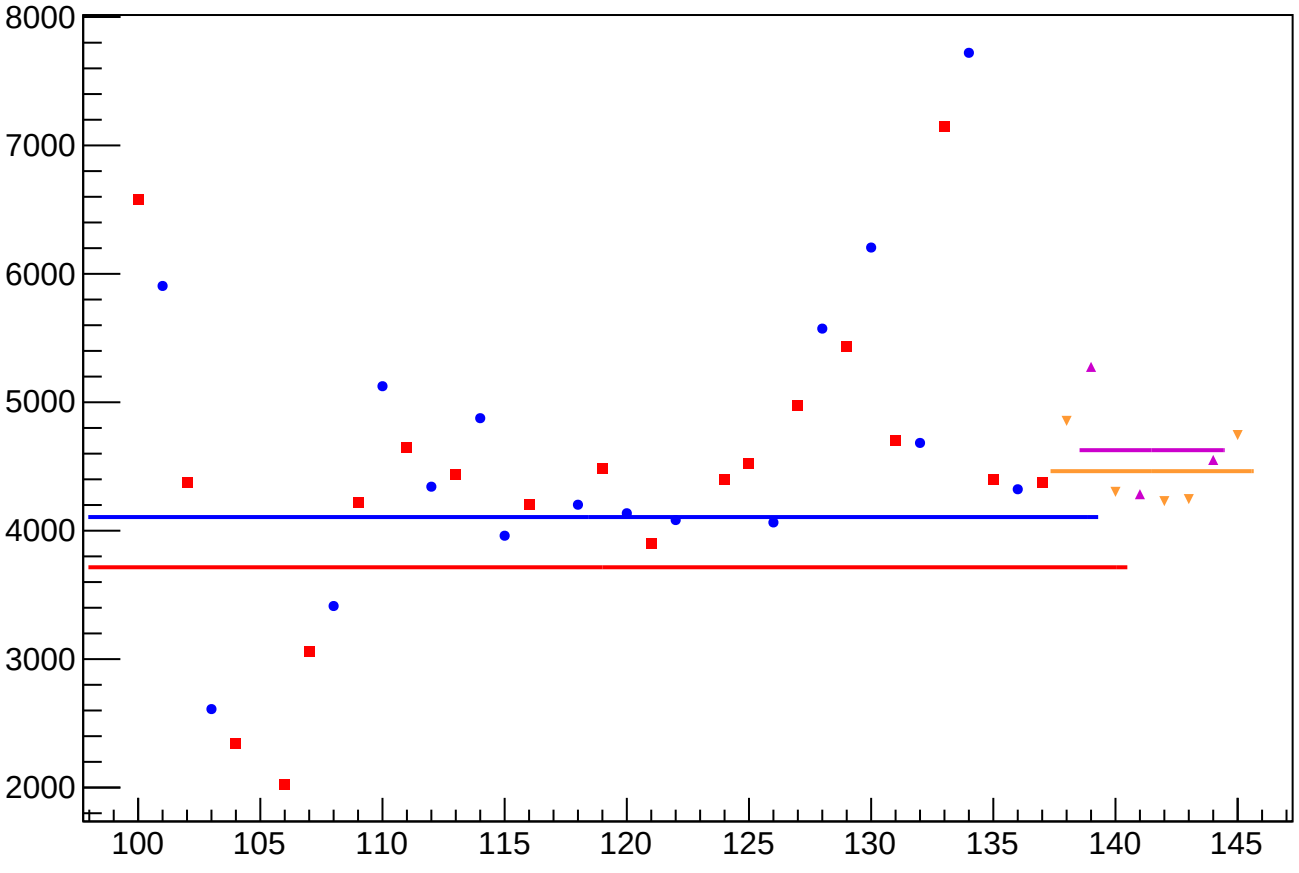
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

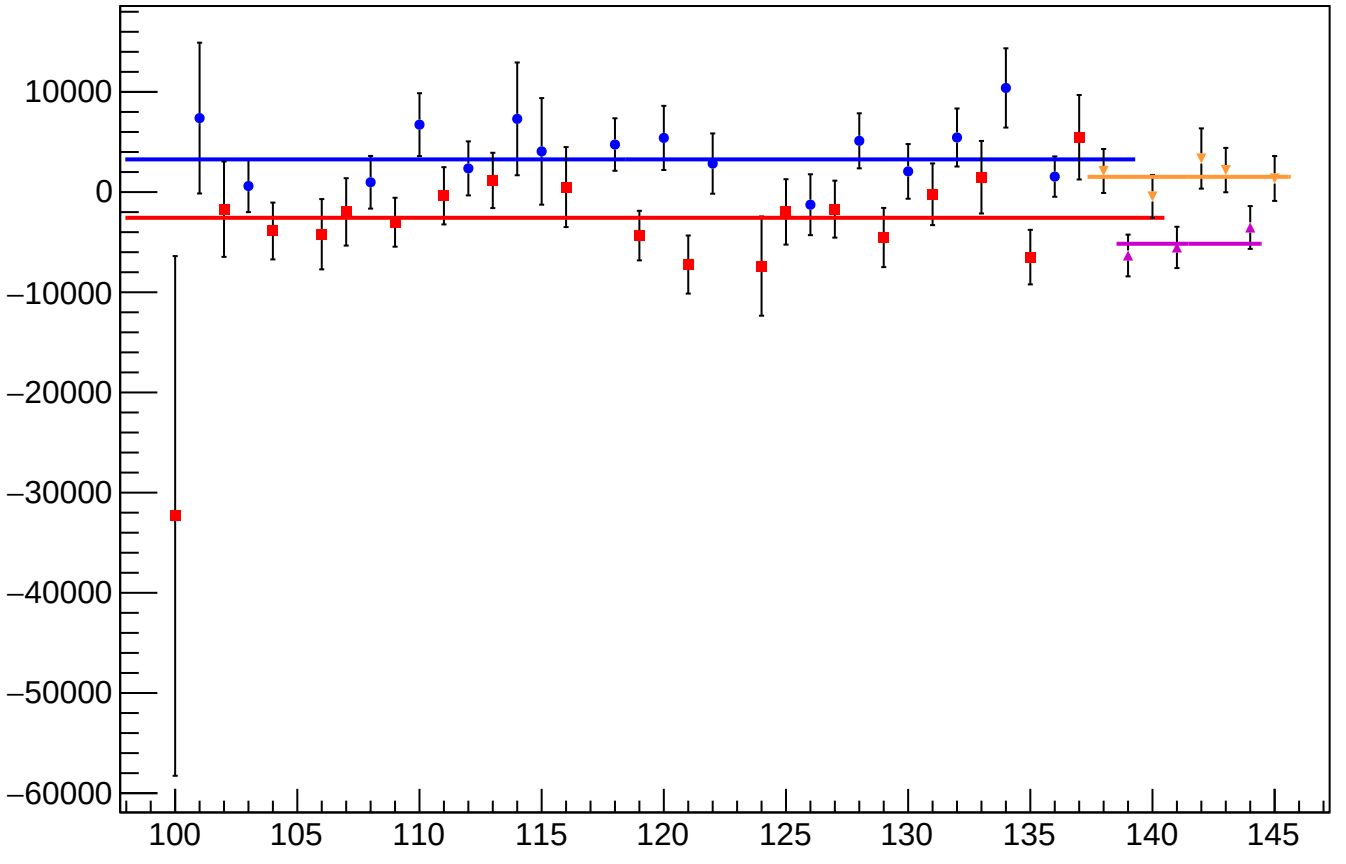
Left In: -150.424+/-2874.139 χ^2/NDF:0.8/2

+ sign 779.572+/-1312.141 χ^2/NDF: 22.8/20

All: 525.761+/-921.945 χ^2/NDF: 40.7/42

- sign 278.282+/-1295.670 χ^2/NDF: 17.8/21


asym_atr_avg_eigen_cor_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 4106.234+/-1.121 χ²/NDF: 955631.2/15
Left Out: 4463.560+/-1.653 χ²/NDF:24899.8/4
Right Out: 3715.202+/-1.026 χ²/NDF: 1335100.7/18
Left In: 4626.989+/-2.032 χ²/NDF:37214.1/2
+ sign 4218.807+/-0.928 χ²/NDF: 1012536.9/20
All: 4057.642+/-0.652 χ²/NDF: 2604818.8/42
- sign 3900.499+/-0.916 χ²/NDF: 1532690.2/21



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

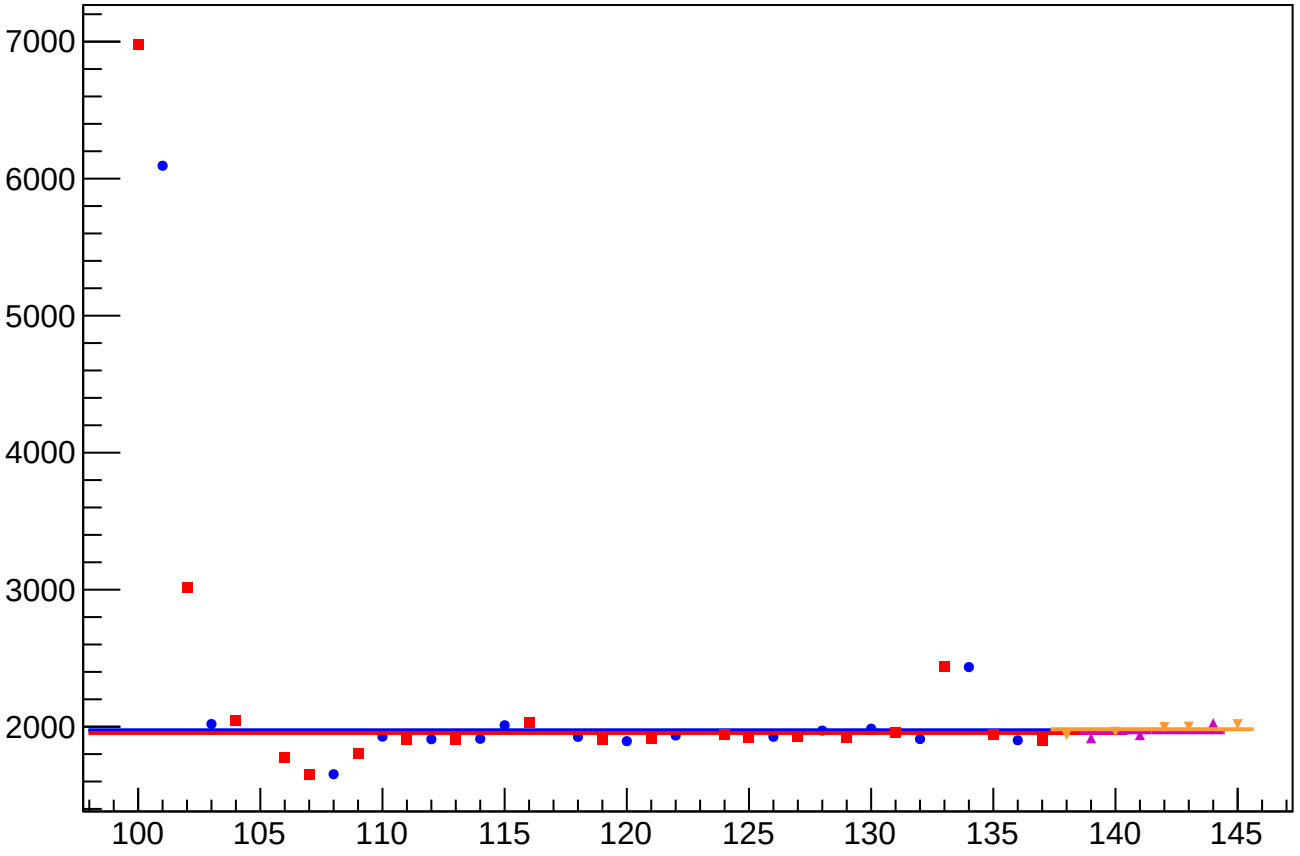
Left In: -5157.141+/-1207.956 χ^2/NDF:0.9/2

+ sign 2661.132+/-607.000 χ^2/NDF: 15.4/20

All: -202.731+/-436.390 χ^2/NDF: 82.8/42

- sign -3266.441+/-627.822 χ^2/NDF: 21.3/21

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

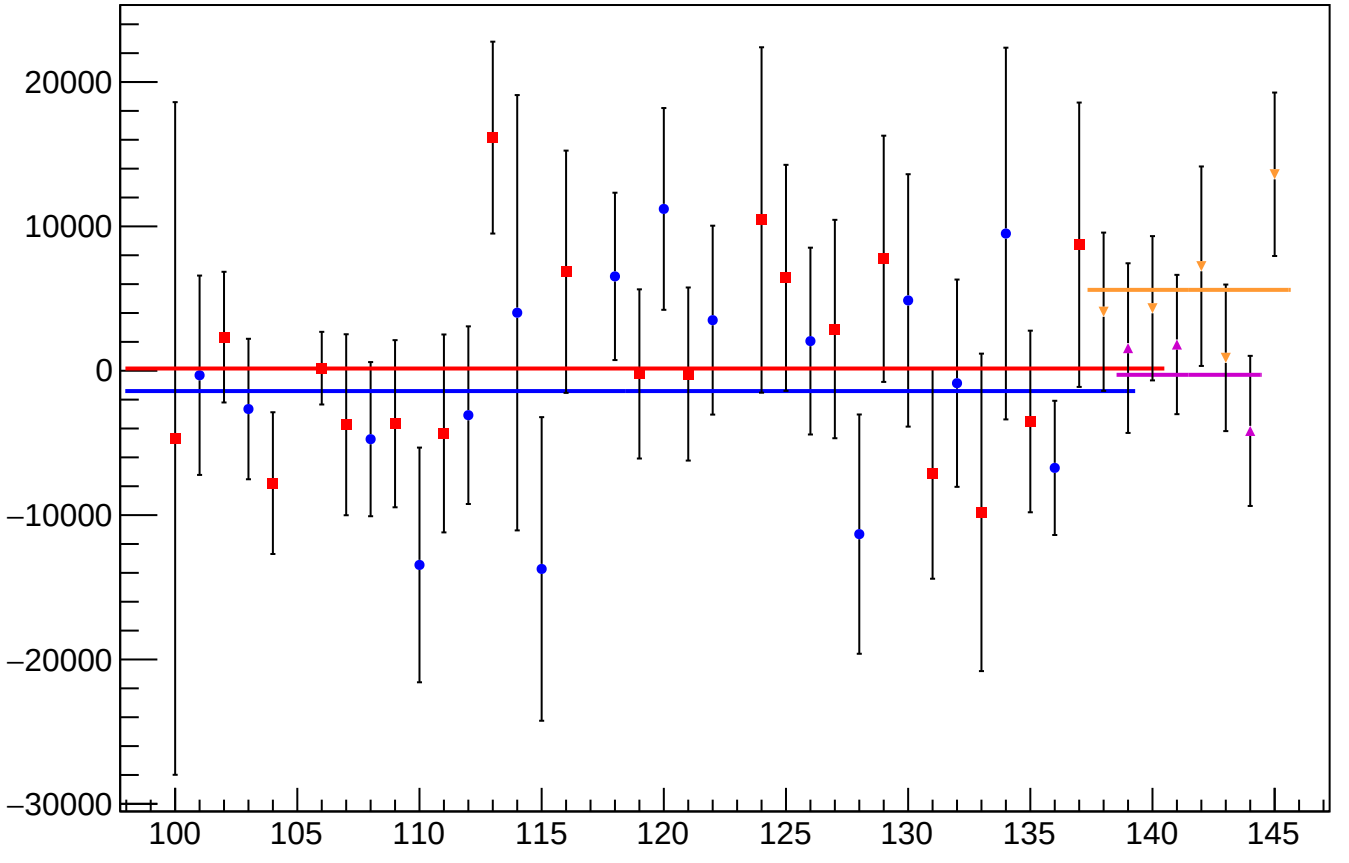
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1959.057+/-0.854 χ^2/NDF:3019.2/2

+ sign 1976.403+/-0.429 χ^2/NDF: 666864.2/20

All: 1966.351+/-0.308 χ^2/NDF: 917251.4/42

- sign 1955.612+/-0.444 χ^2/NDF: 249252.8/21



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

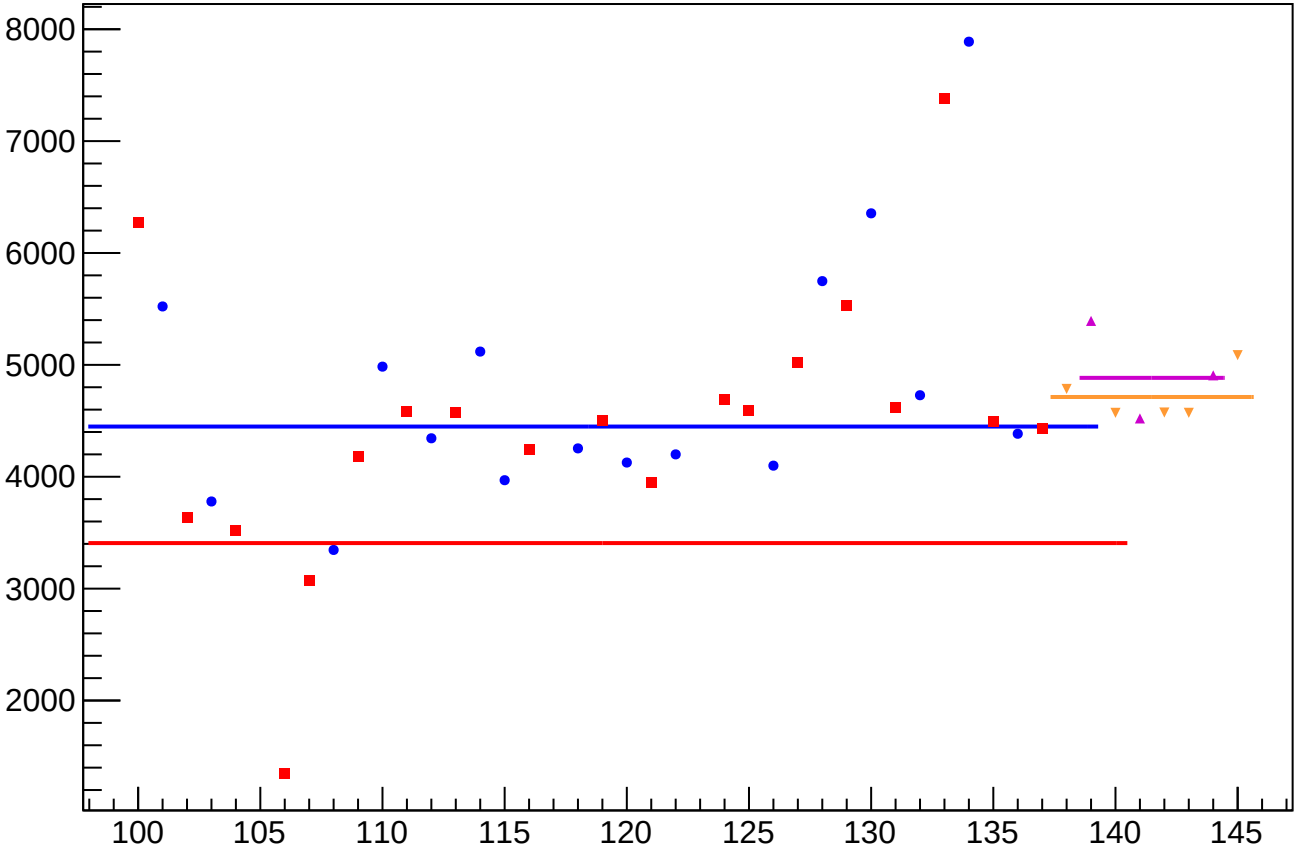
Left In: -281.478+/-3030.242 χ^2/NDF:0.8/2

+ sign 831.506+/-1394.256 χ^2/NDF: 22.8/20

All: 413.909+/-928.039 χ^2/NDF: 39.6/42

- sign 81.720+/-1243.530 χ^2/NDF: 16.7/21

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

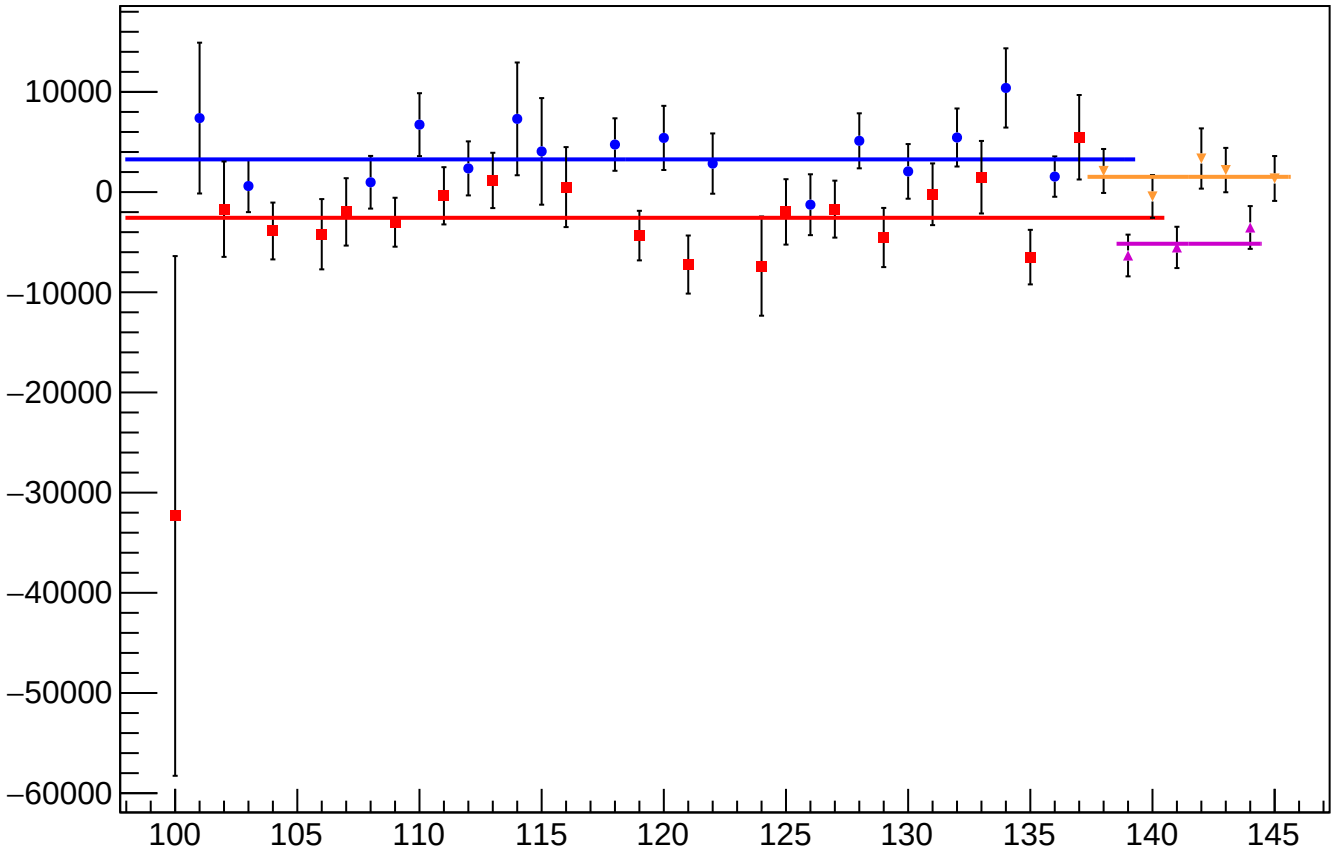
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4883.934+/-2.143 χ^2/NDF:26341.1/2

+ sign 4533.081+/-0.986 χ^2/NDF: 523257.7/20

All: 4044.492+/-0.656 χ^2/NDF: 3711665.3/42

- sign 3655.831+/-0.879 χ^2/NDF: 2747434.8/21



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

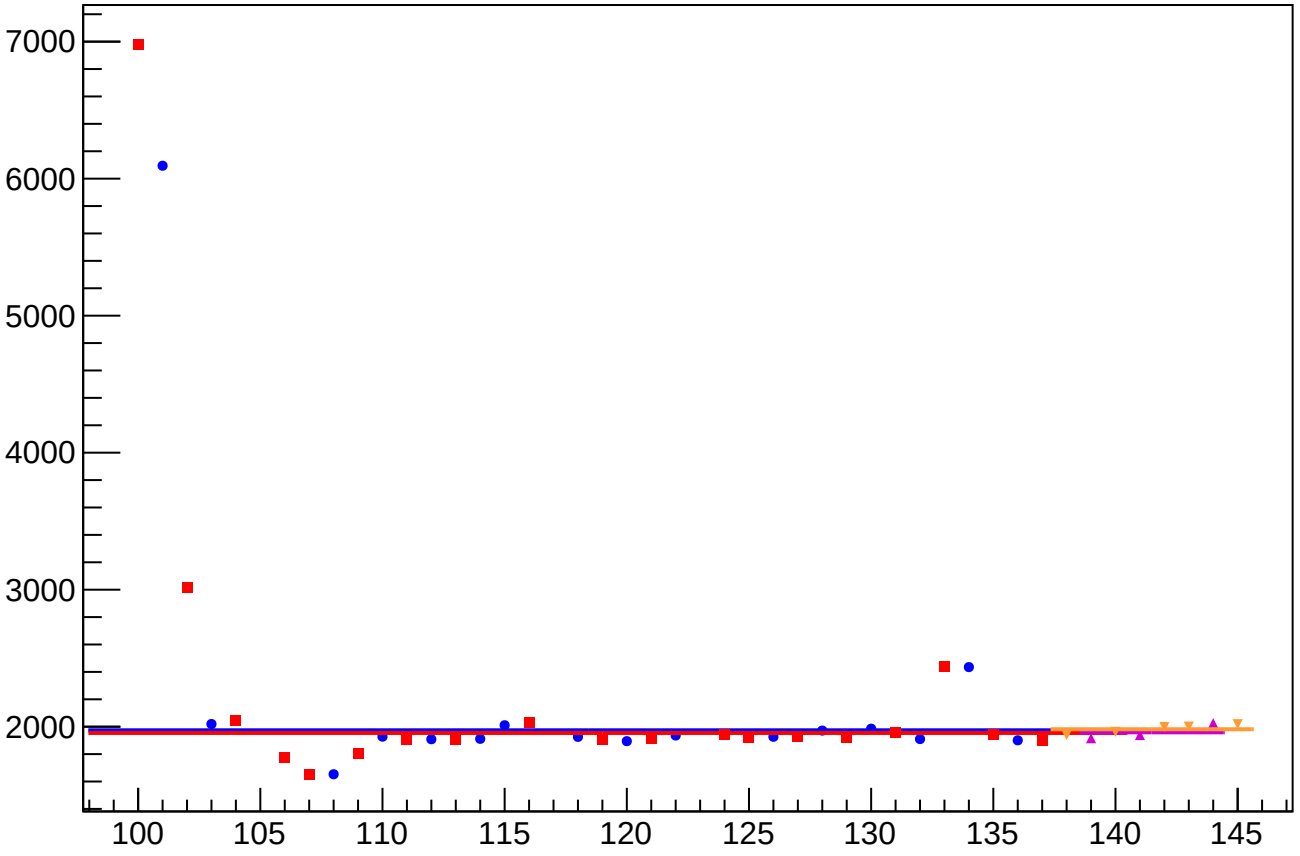
Left In: -5157.130+/-1207.956 χ^2/NDF:0.9/2

+ sign 2661.137+/-607.000 χ^2/NDF: 15.4/20

All: -202.729+/-436.390 χ^2/NDF: 82.8/42

- sign -3266.442+/-627.822 χ^2/NDF: 21.3/21

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

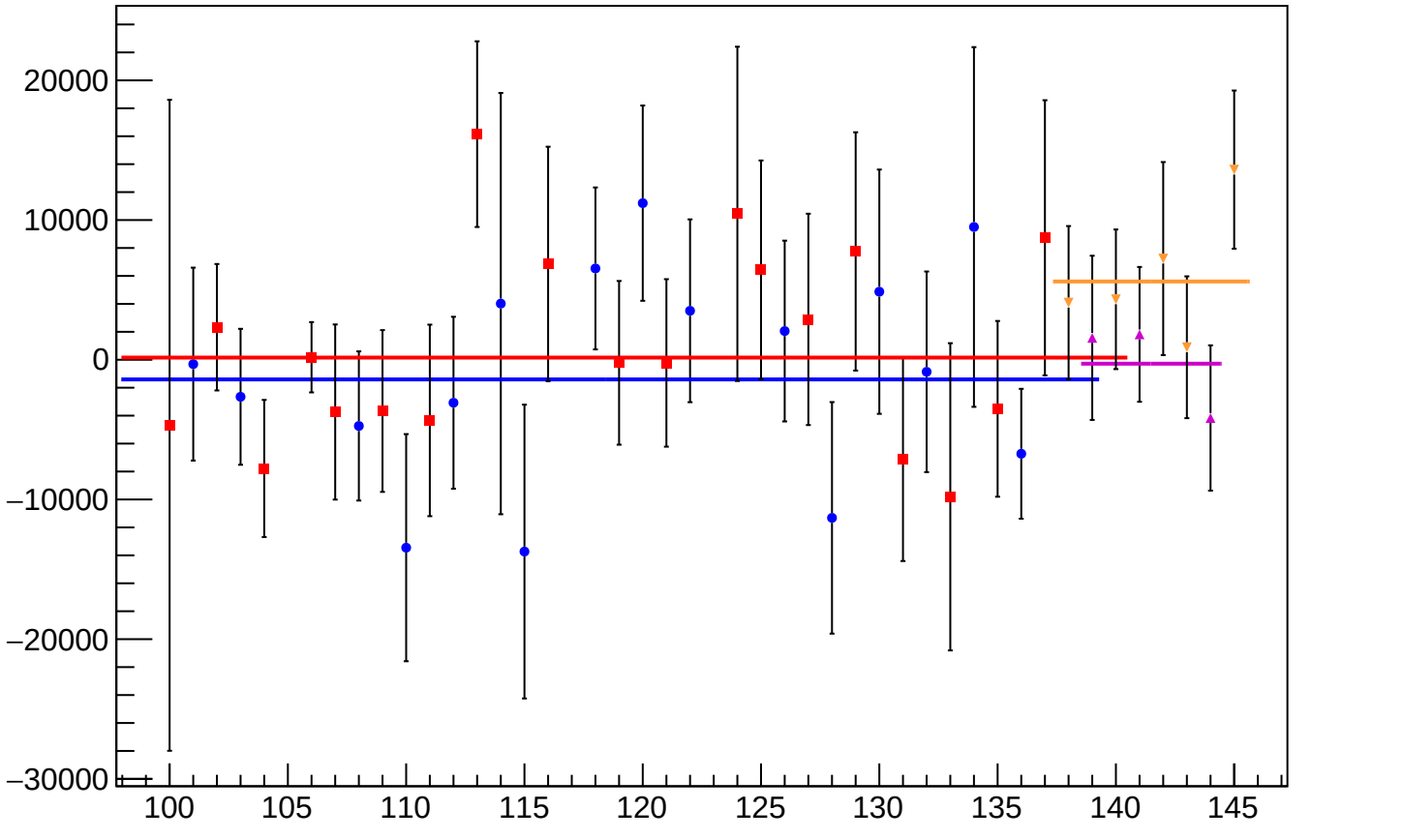
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1959.057+/-0.854 χ^2/NDF:3019.3/2

+ sign 1976.403+/-0.429 χ^2/NDF: 666864.3/20

All: 1966.351+/-0.308 χ^2/NDF: 917251.0/42

- sign 1955.612+/-0.444 χ^2/NDF: 249252.4/21



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

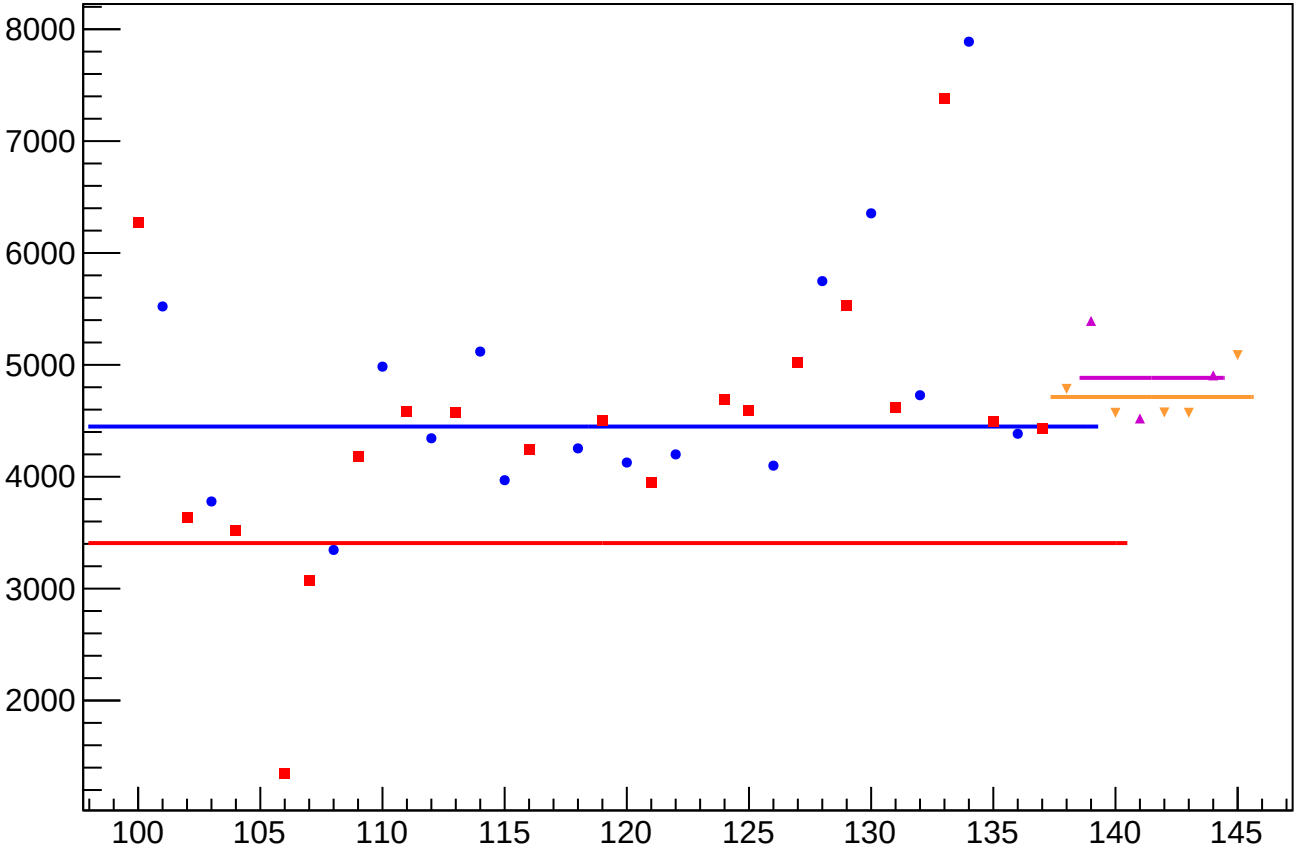
Left In: -281.466+/-3030.245 χ^2/NDF:0.8/2

+ sign 831.511+/-1394.255 χ^2/NDF: 22.8/20

All: 413.913+/-928.038 χ^2/NDF: 39.6/42

- sign 81.723+/-1243.528 χ^2/NDF: 16.7/21

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

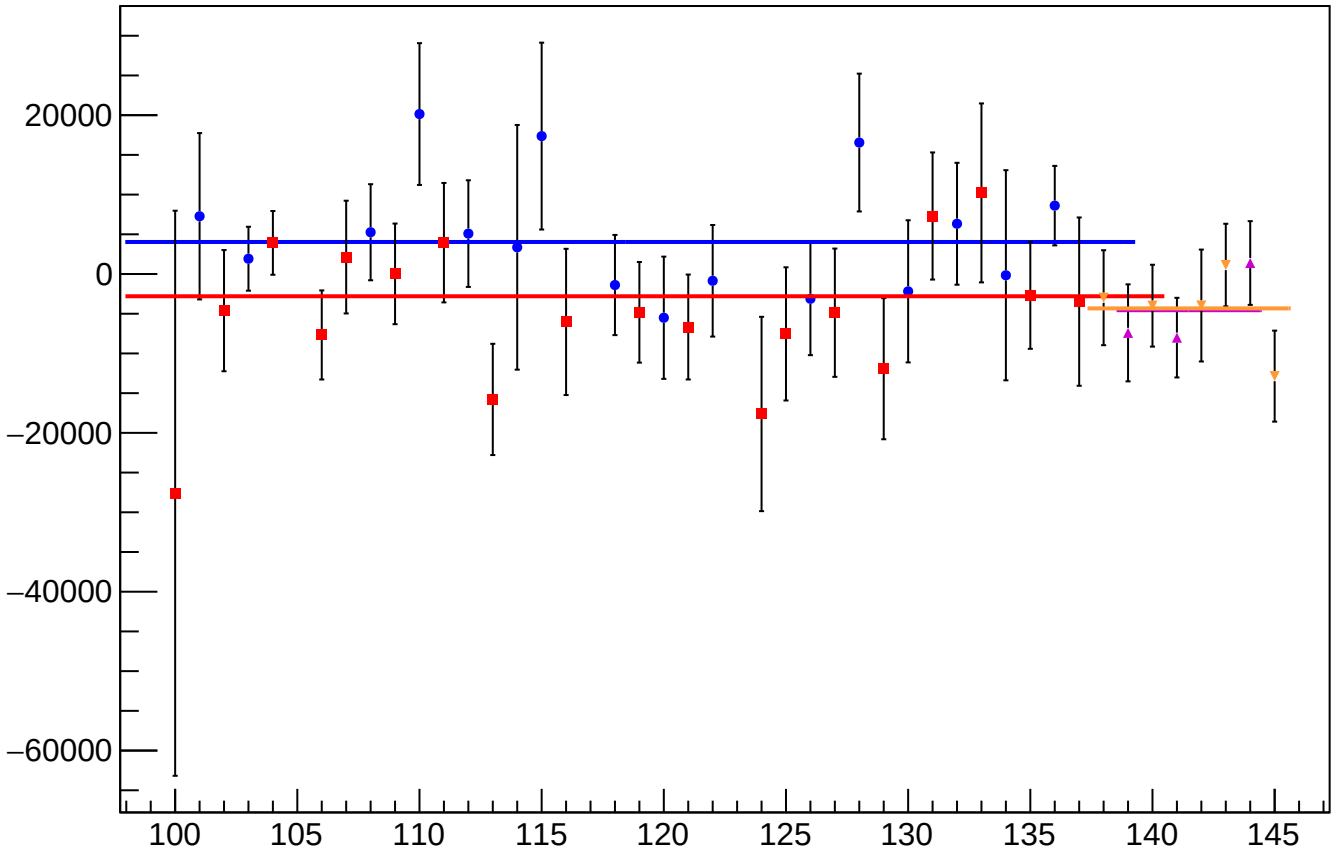
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4883.938+/-2.143 χ^2/NDF:26341.6/2

+ sign 4533.077+/-0.986 χ^2/NDF: 523256.6/20

All: 4044.486+/-0.656 χ^2/NDF: 3711680.1/42

- sign 3655.823+/-0.879 χ^2/NDF: 2747445.4/21



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

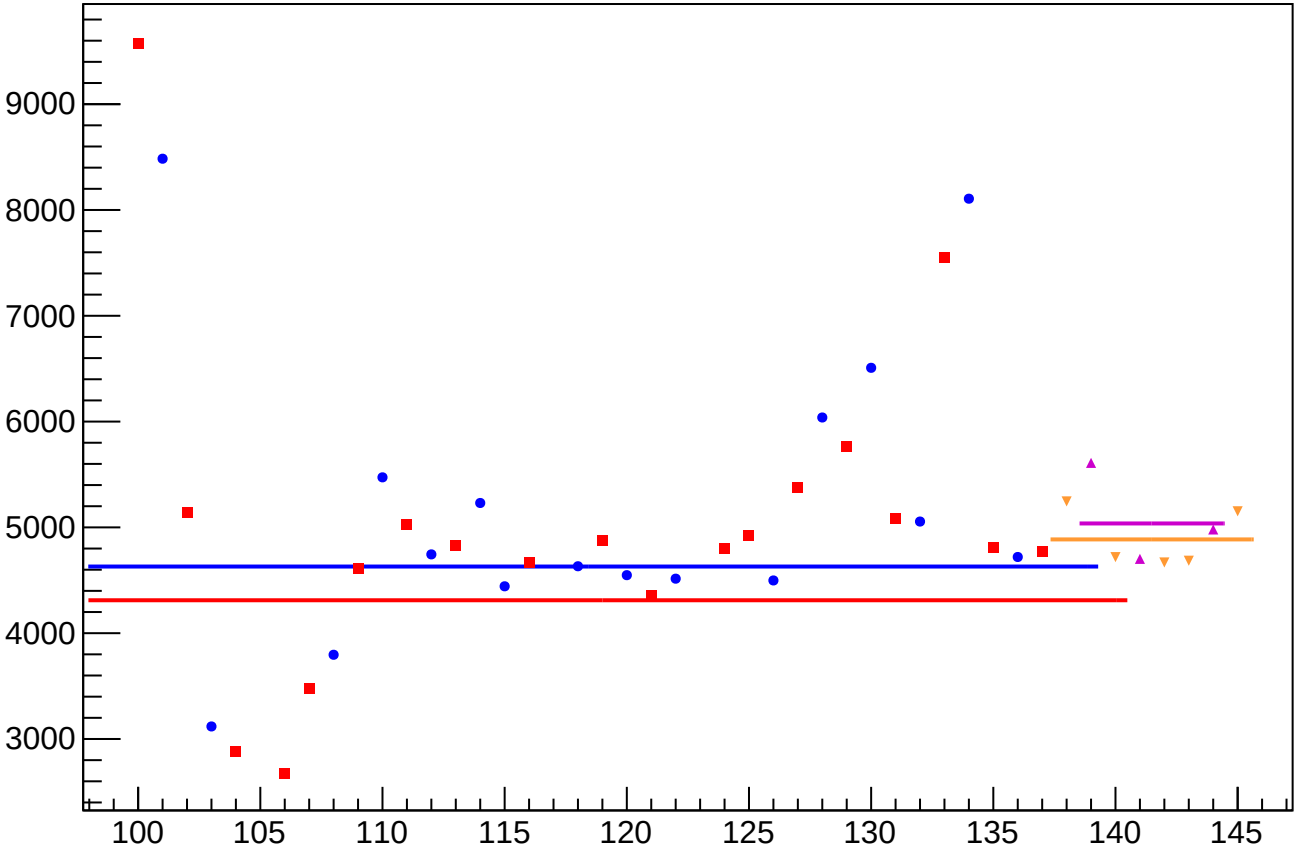
Left In: -4555.513+/-3122.075 χ^2/NDF:2.0/2

+ sign 1296.861+/-1461.537 χ^2/NDF: 22.9/20

All: -928.558+/-1037.791 χ^2/NDF: 45.3/42

- sign -3191.651+/-1473.856 χ^2/NDF: 17.6/21

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

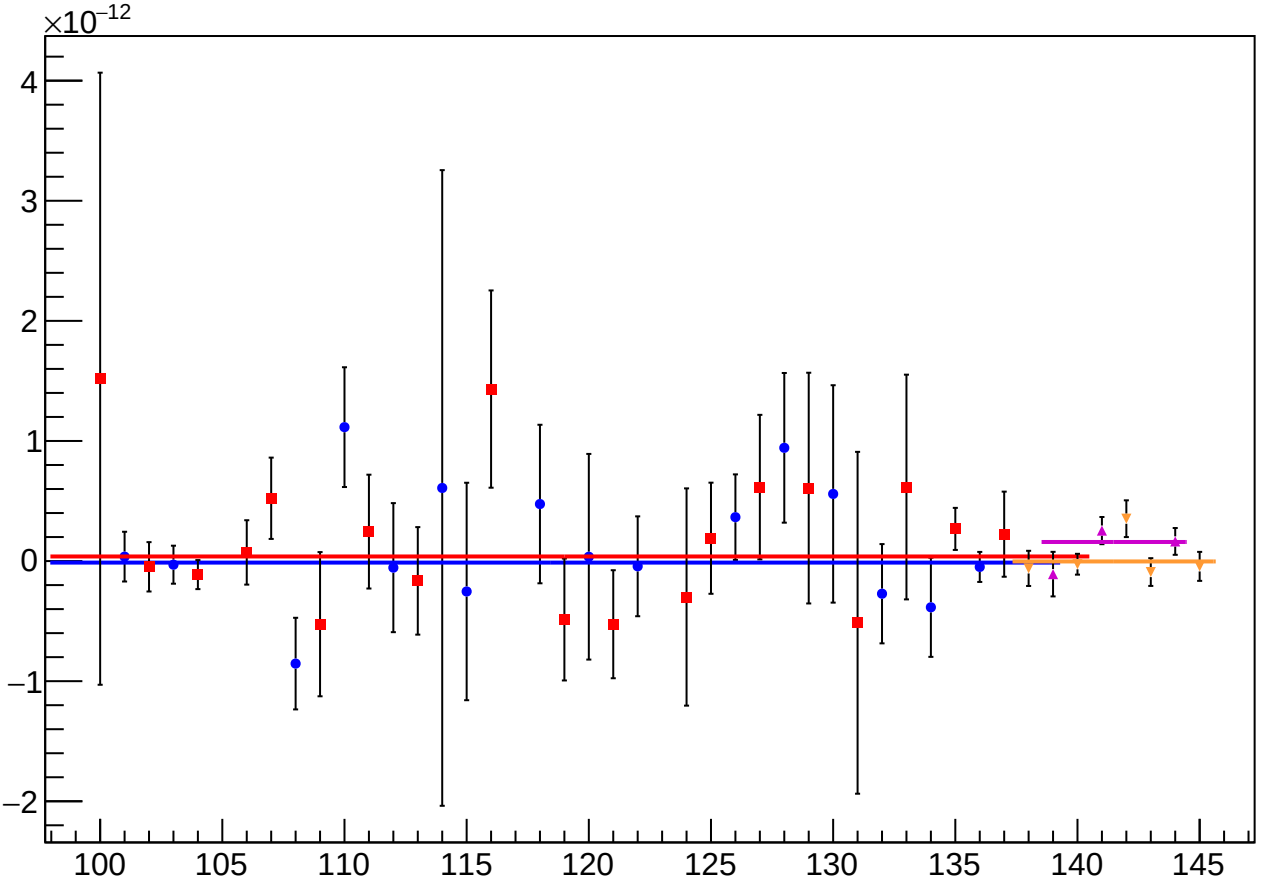
Left In: 5037.136+/-2.208 χ^2/NDF:26726.7/2

\+ sign 4713.870+/-1.033 χ^2/NDF: 932331.6/20

All: 4592.542+/-0.731 χ^2/NDF: 1975756.8/42

\- sign 4470.819+/-1.035 χ^2/NDF: 1015814.9/21

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

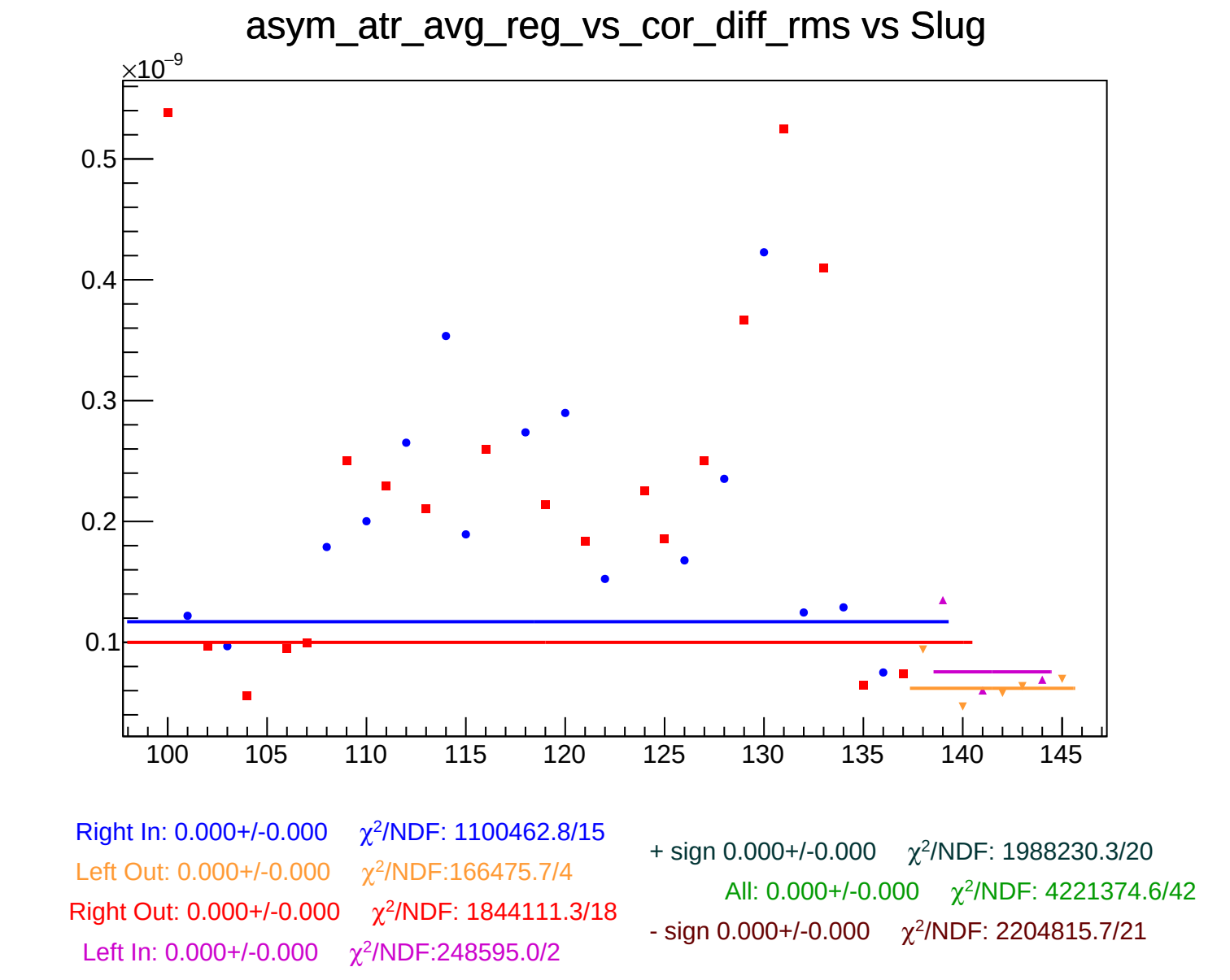
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/2

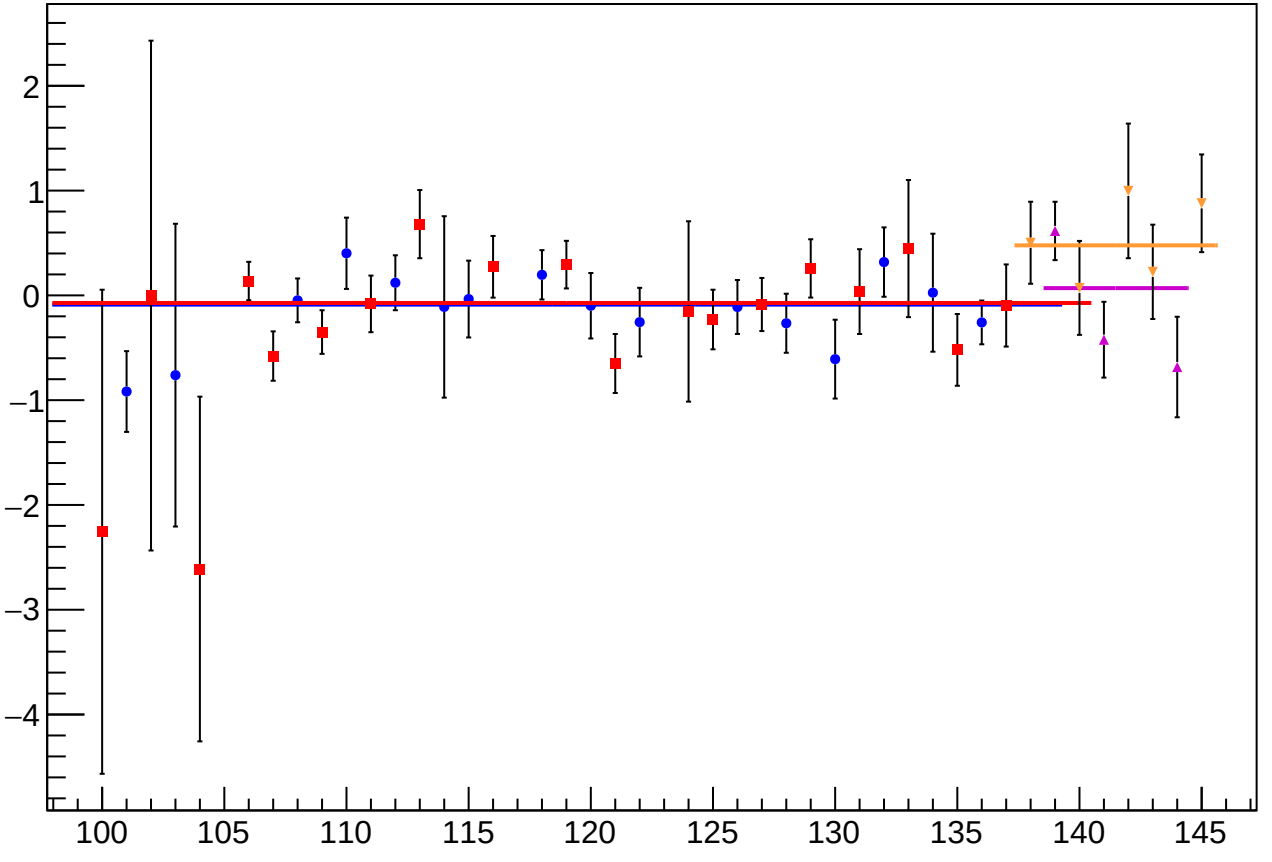
+ sign -0.000+/-0.000 χ^2/NDF: 22.2/20

All: 0.000+/-0.000 χ^2/NDF: 43.8/42

- sign 0.000+/-0.000 χ^2/NDF: 19.1/21


asym_atr_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
105
110
115
120
125
130
135
140
145
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:248595.0/2
+ sign 0.000+/-0.000 χ²/NDF: 1988230.3/20
All: 0.000+/-0.000 χ²/NDF: 4221374.6/42
- sign 0.000+/-0.000 χ²/NDF: 2204815.7/21

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

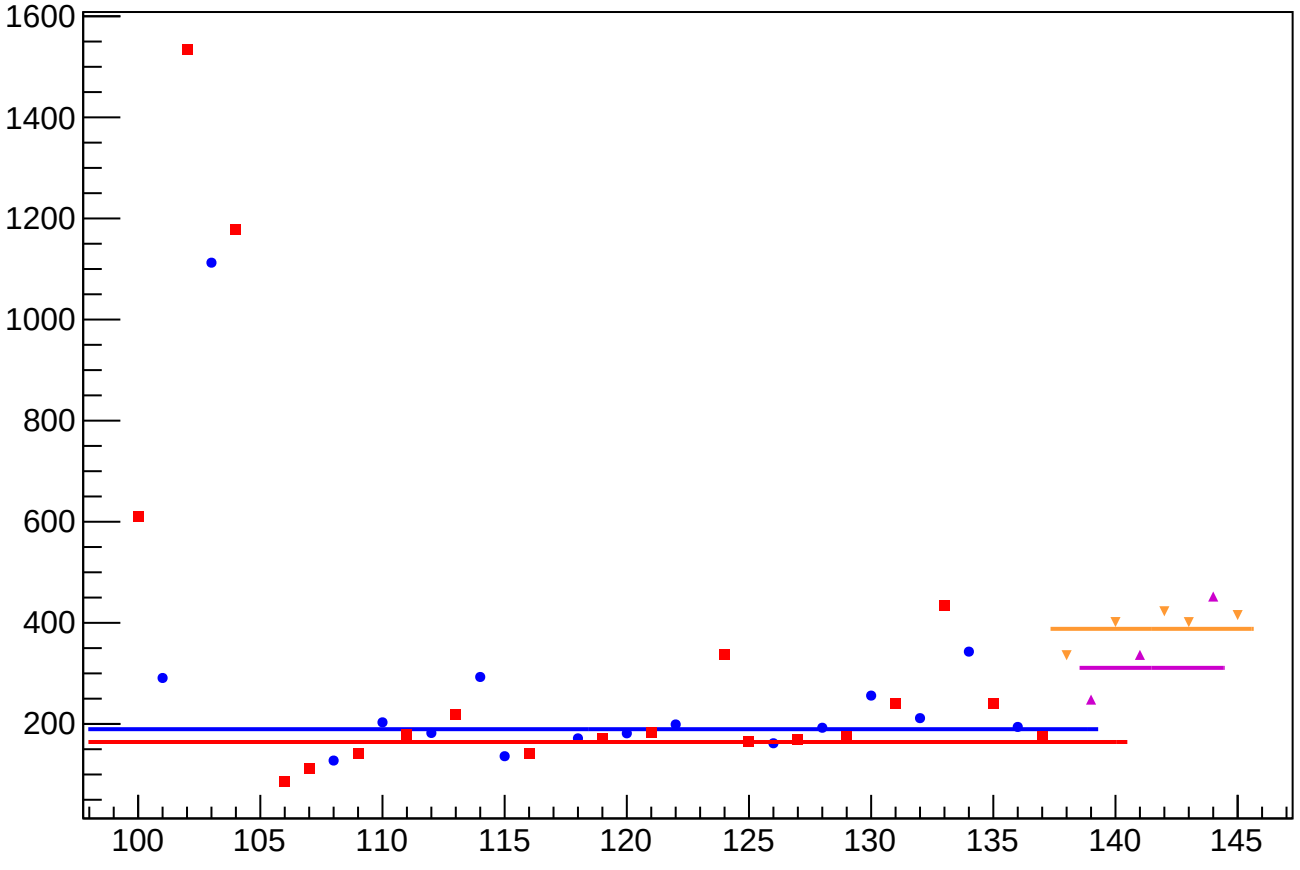
Left In: 0.069+/-0.200 χ^2/NDF:8.2/2

+ sign -0.019+/-0.072 χ^2/NDF: 23.0/20

All: -0.040+/-0.049 χ^2/NDF: 60.4/42

- sign -0.057+/-0.066 χ^2/NDF: 37.3/21

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

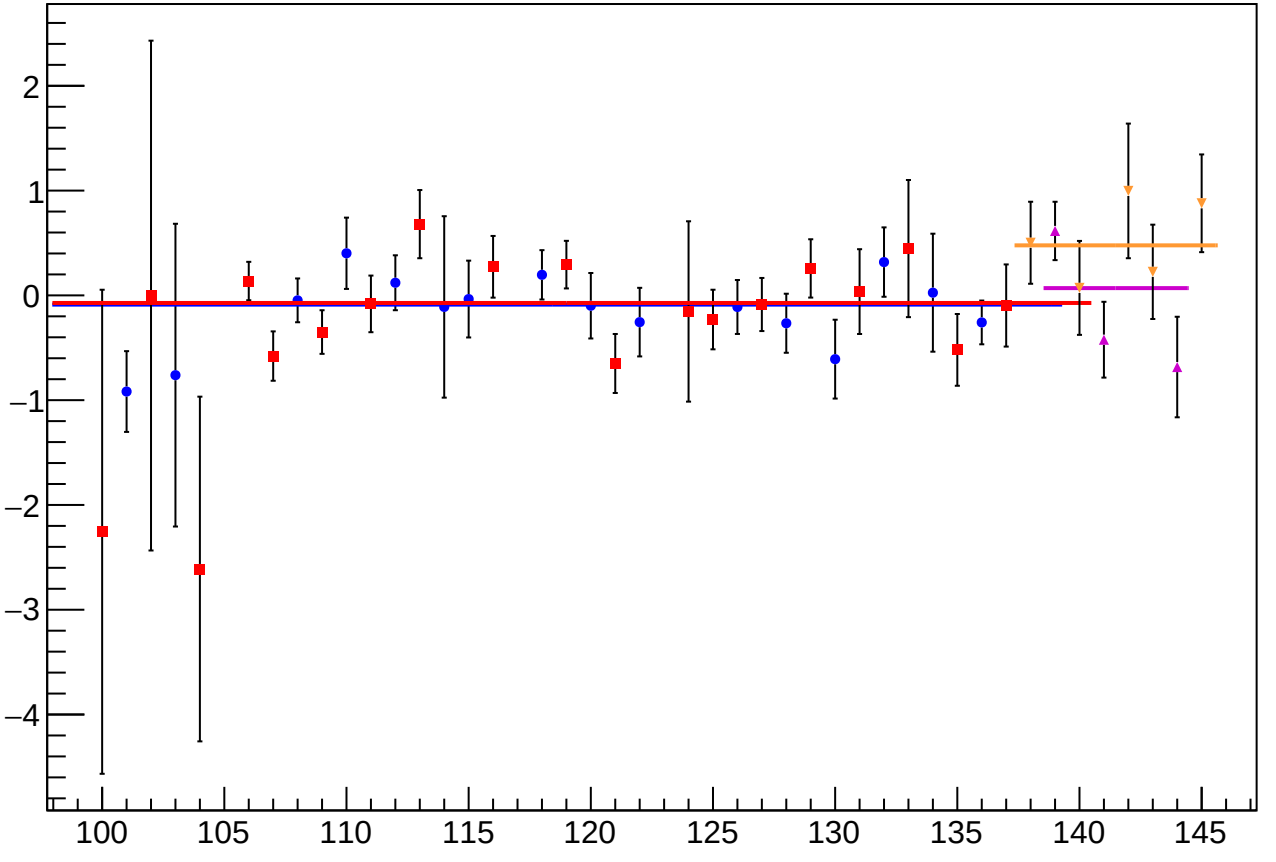
Left In: 310.958+/-0.142 χ^2/NDF:284707.7/2

+ sign 213.744+/-0.051 χ^2/NDF: 3141909.4/20

All: 195.569+/-0.034 χ^2/NDF: 7259562.8/42

- sign 180.232+/-0.047 χ^2/NDF: 3882364.3/21

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

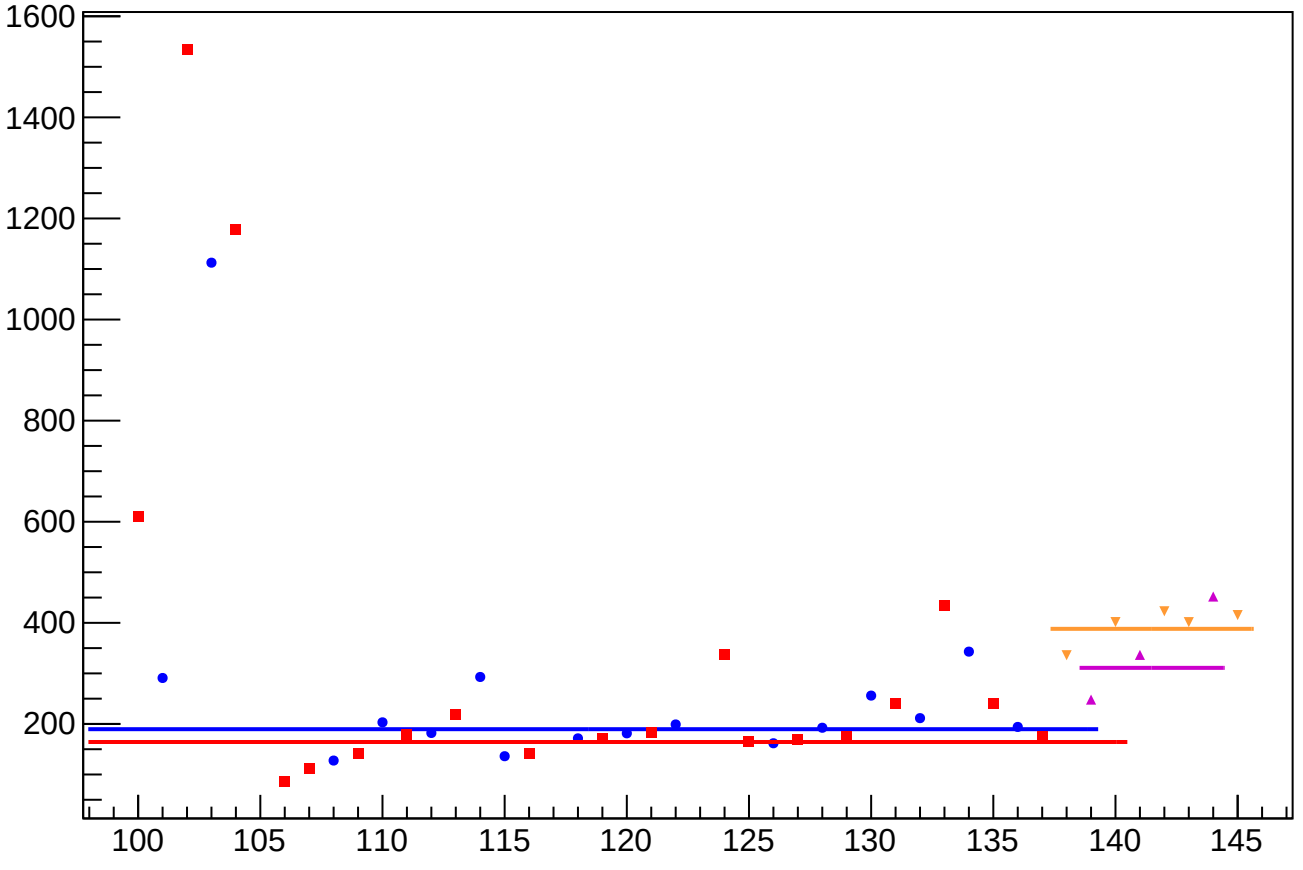
Left In: 0.069+/-0.200 χ^2/NDF:8.2/2

+ sign -0.019+/-0.072 χ^2/NDF: 23.0/20

All: -0.040+/-0.049 χ^2/NDF: 60.4/42

- sign -0.057+/-0.066 χ^2/NDF: 37.3/21

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

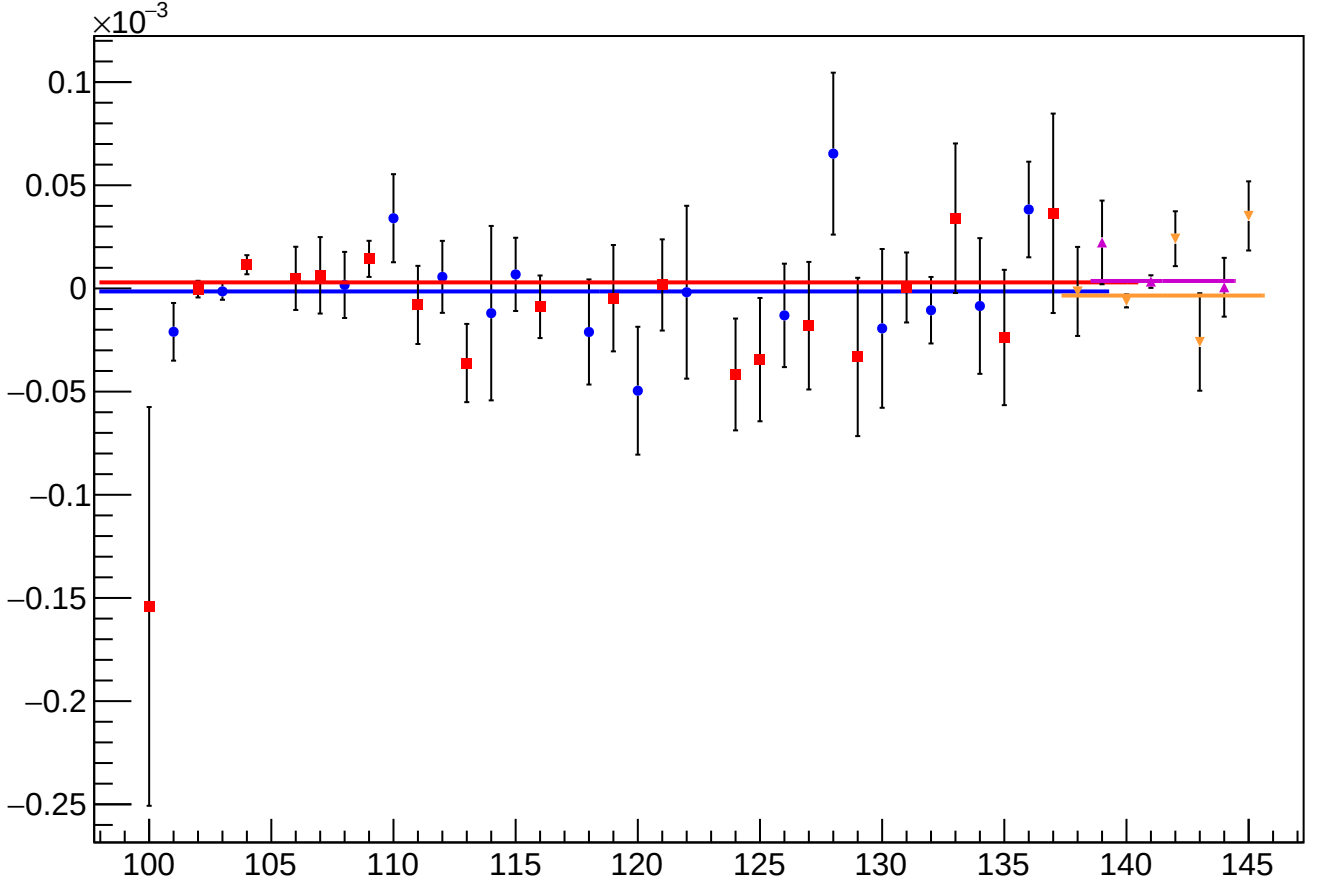
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 310.958+/-0.142 χ^2/NDF:284707.7/2

+ sign 213.744+/-0.051 χ^2/NDF: 3141909.4/20

All: 195.569+/-0.034 χ^2/NDF: 7259562.8/42

- sign 180.232+/-0.047 χ^2/NDF: 3882364.3/21



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

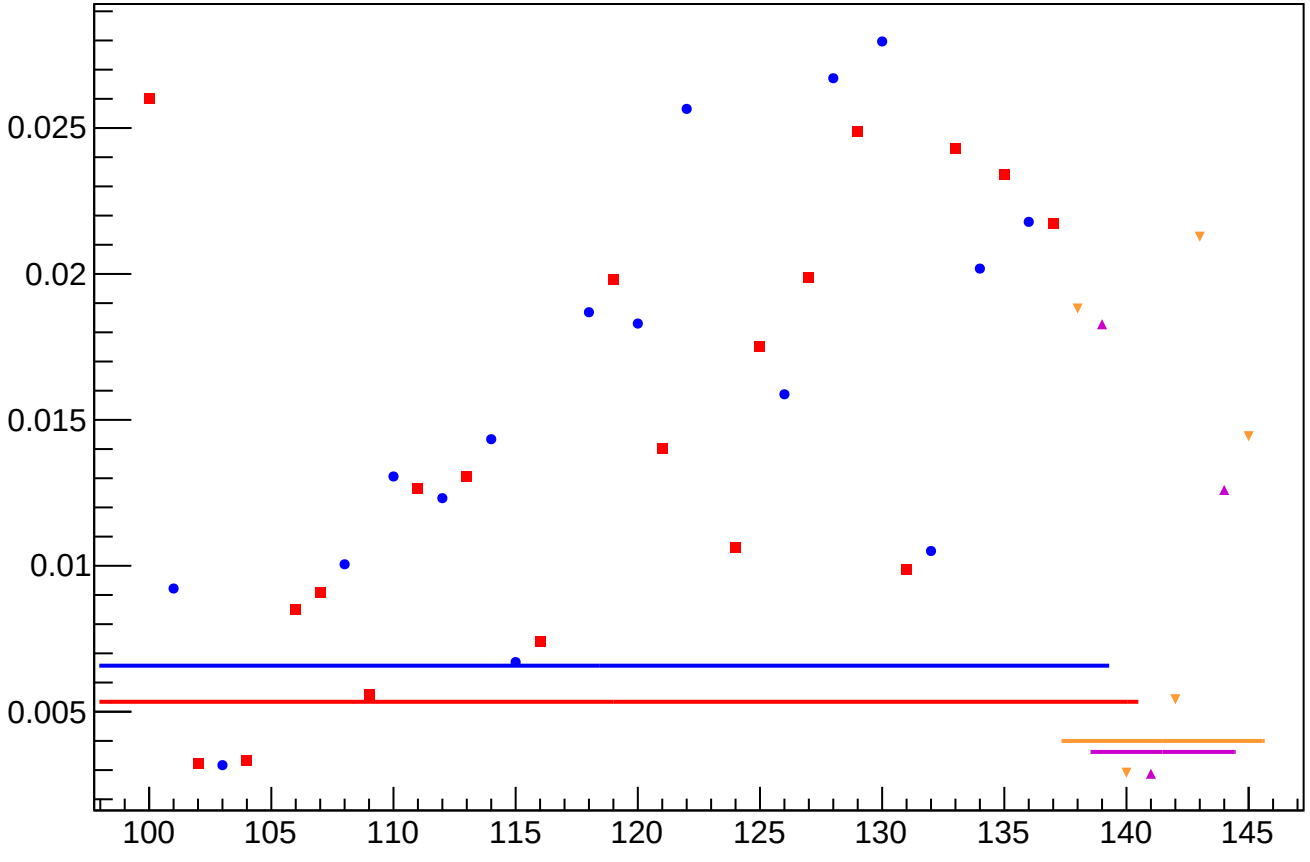
Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

+ sign -0.000+/-0.000 χ^2/NDF: 26.2/20

All: 0.000+/-0.000 χ^2/NDF: 52.3/42

- sign 0.000+/-0.000 χ^2/NDF: 22.2/21

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

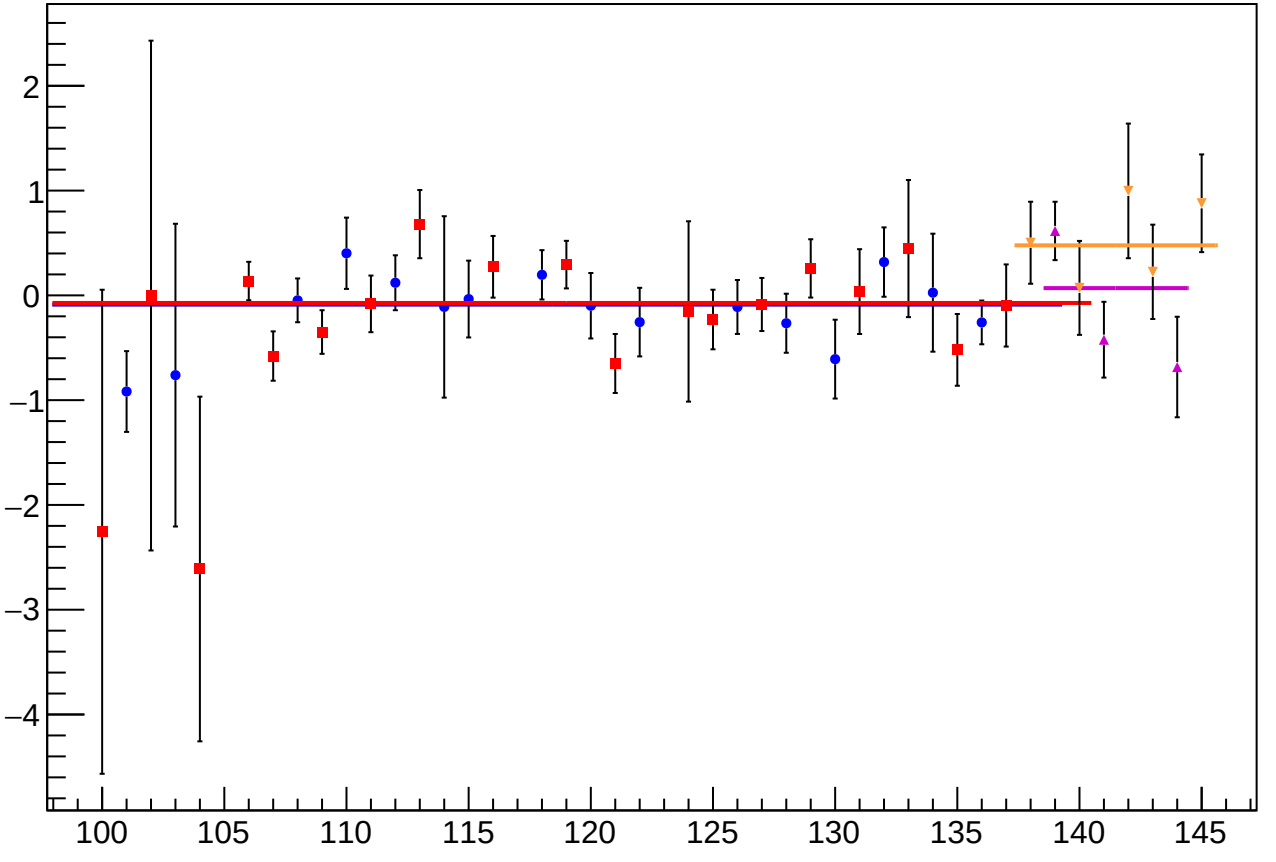
Left In: 0.004+/-0.000 χ^2/NDF:1958428.5/2

+ sign 0.005+/-0.000 χ^2/NDF: 9645138.7/20

All: 0.005+/-0.000 χ^2/NDF: 17743945.1/42

- sign 0.005+/-0.000 χ^2/NDF: 8029204.9/21

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

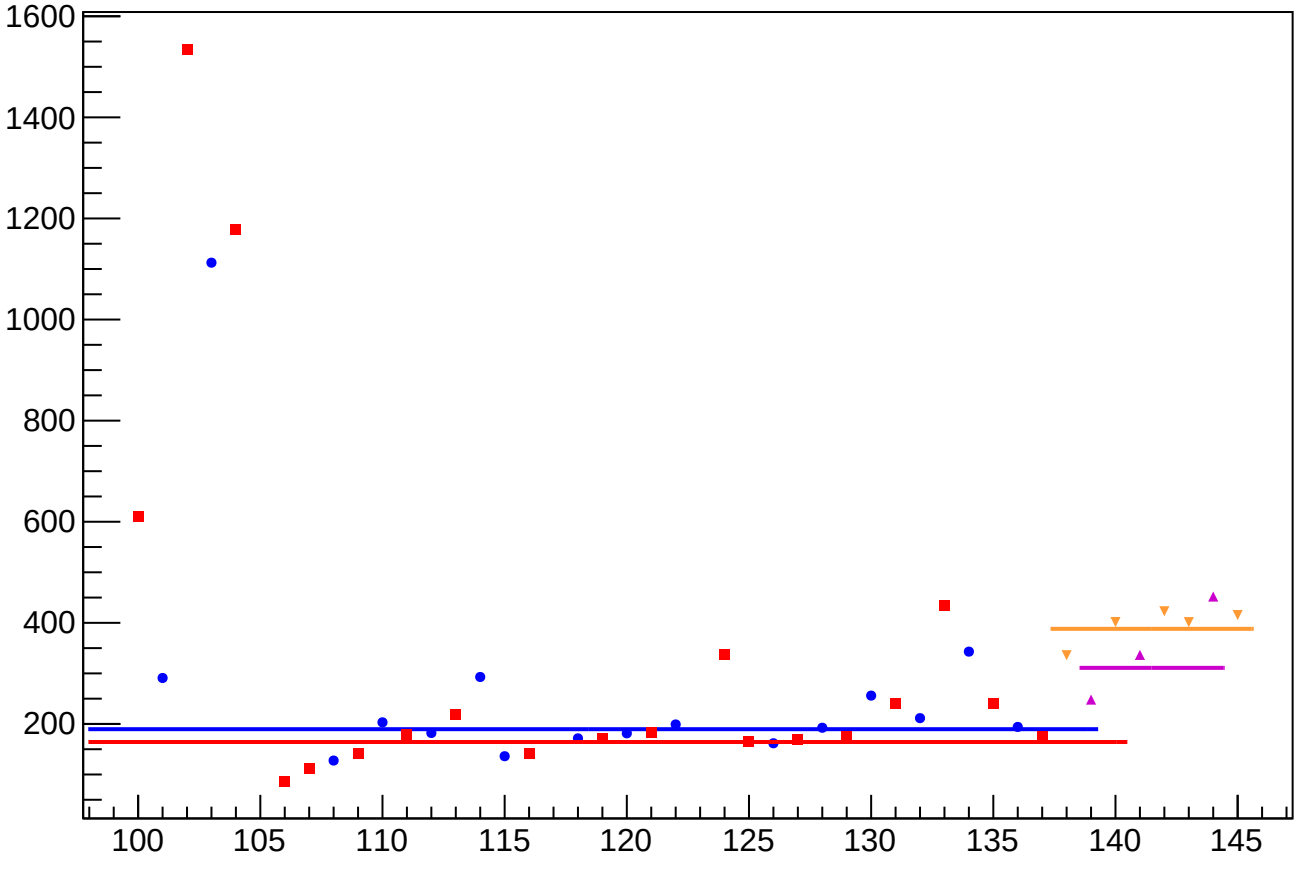
Left In: 0.069+/-0.200 χ^2/NDF:8.2/2

+ sign -0.019+/-0.072 χ^2/NDF: 23.0/20

All: -0.040+/-0.049 χ^2/NDF: 60.4/42

- sign -0.057+/-0.066 χ^2/NDF: 37.3/21

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

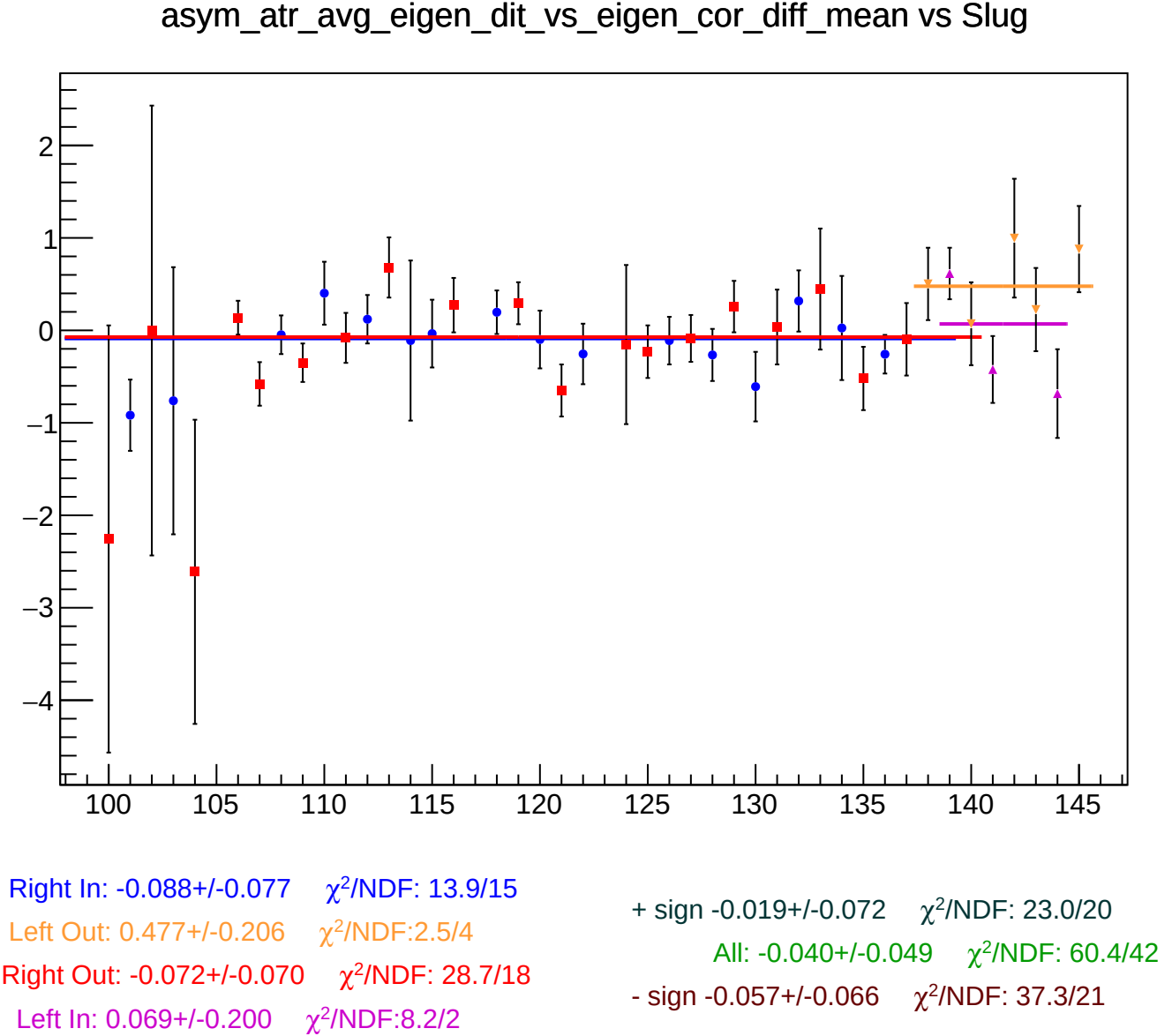
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

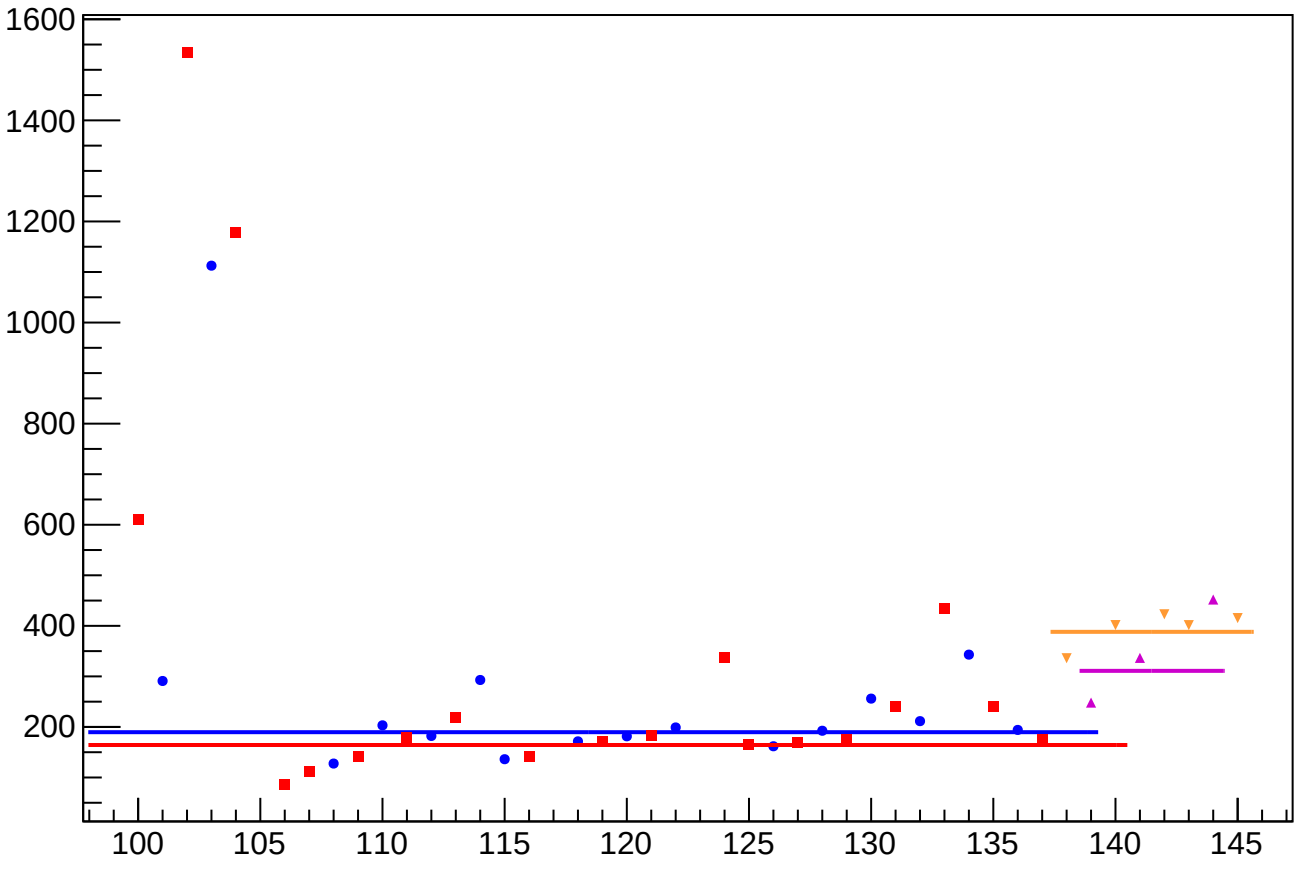
Left In: 310.961+/-0.142 χ^2/NDF:284699.2/2

+ sign 213.743+/-0.051 χ^2/NDF: 3141947.0/20

All: 195.568+/-0.034 χ^2/NDF: 7259606.1/42

- sign 180.231+/-0.047 χ^2/NDF: 3882368.5/21


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
145
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.477+/-0.206 χ²/NDF:2.5/4
Right Out: -0.072+/-0.070 χ²/NDF: 28.7/18
Left In: 0.069+/-0.200 χ²/NDF:8.2/2
+ sign -0.019+/-0.072 χ²/NDF: 23.0/20
All: -0.040+/-0.049 χ²/NDF: 60.4/42
- sign -0.057+/-0.066 χ²/NDF: 37.3/21



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 388.152+/-0.146 χ^2/NDF:51747.2/4

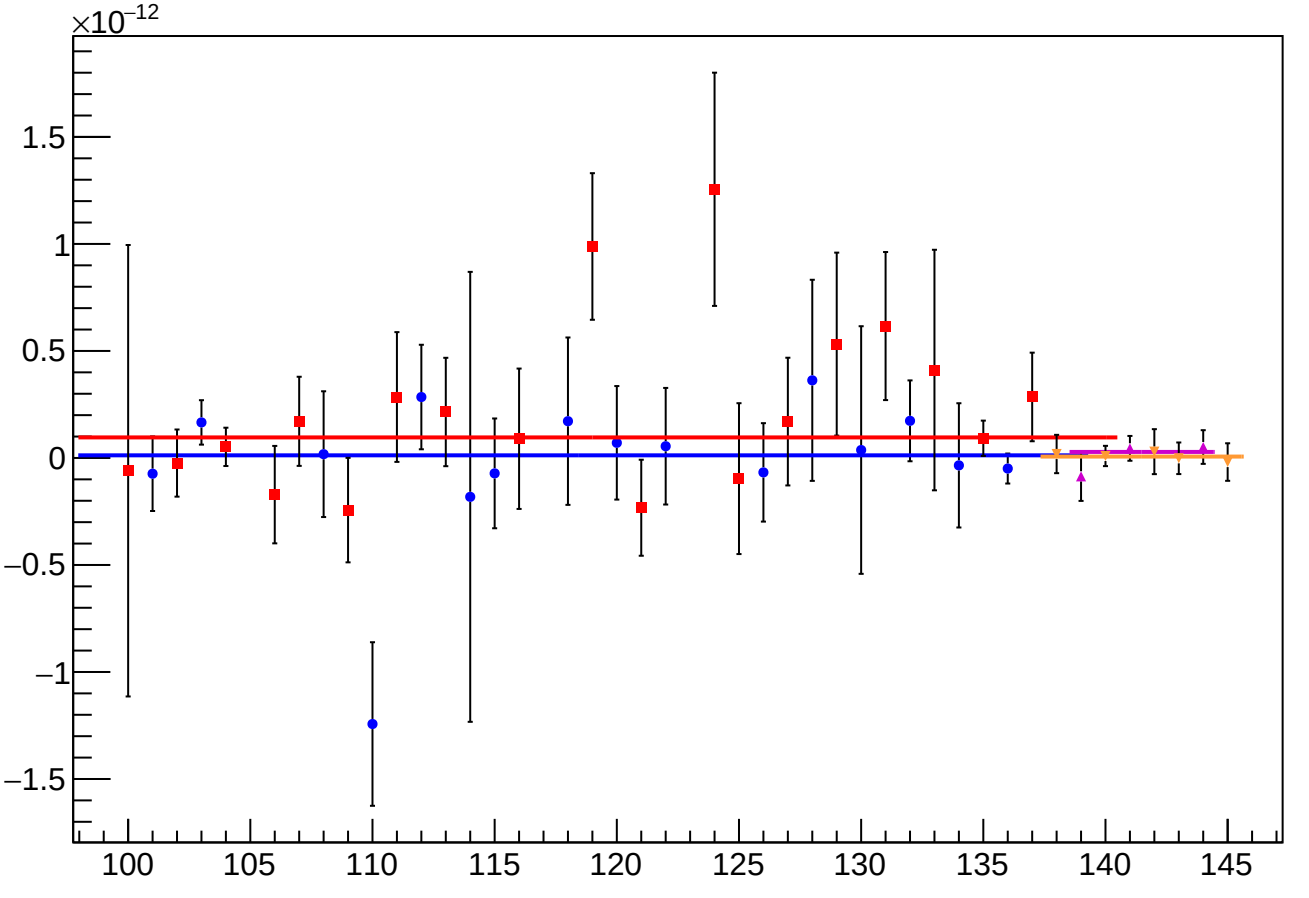
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 310.961+/-0.142 χ^2/NDF:284699.2/2

+ sign 213.743+/-0.051 χ^2/NDF: 3141947.0/20

All: 195.568+/-0.034 χ^2/NDF: 7259606.1/42

- sign 180.231+/-0.047 χ^2/NDF: 3882368.5/21



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

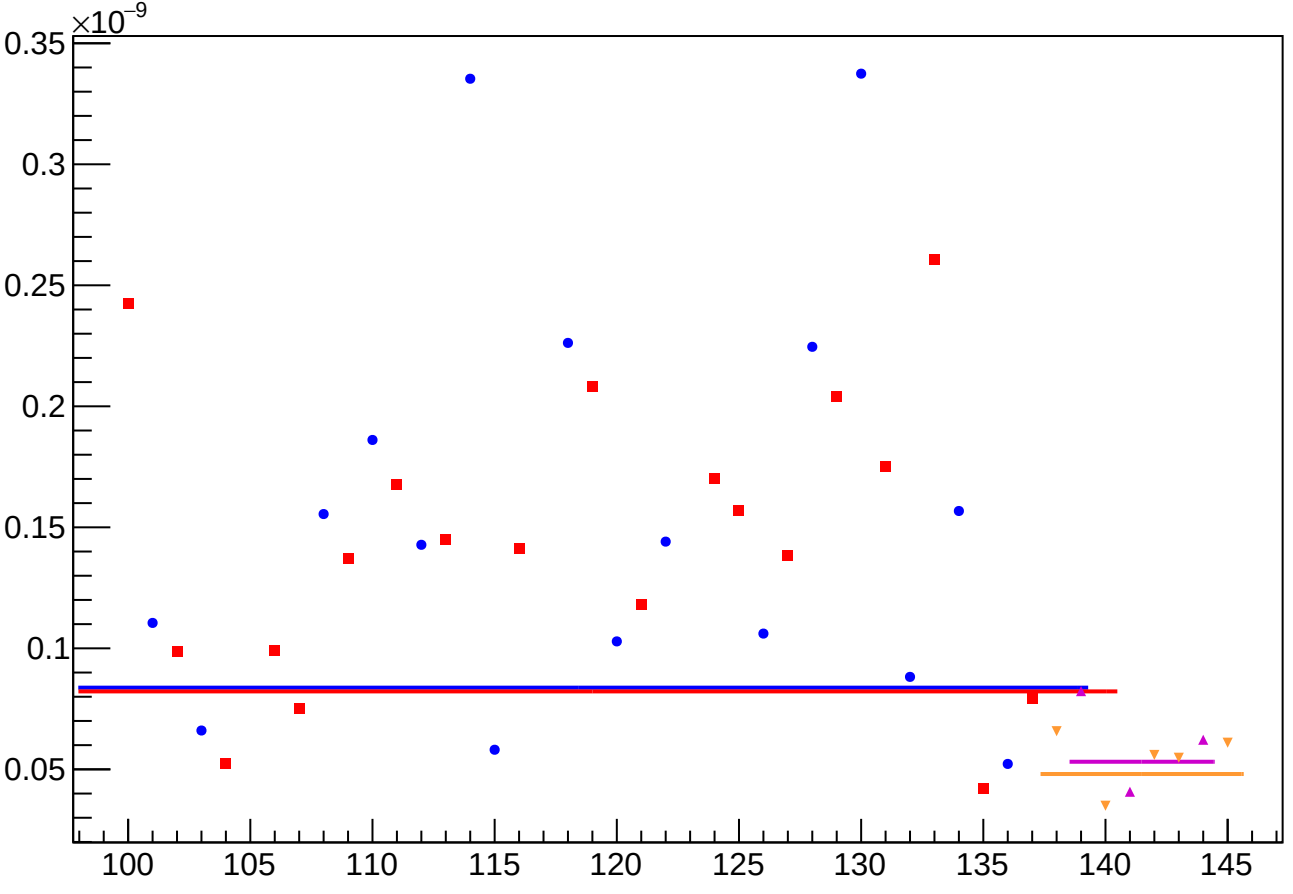
Left In: 0.000+/-0.000 χ^2/NDF:1.2/2

\+ sign 0.000+/-0.000 χ^2/NDF: 17.2/20

All: 0.000+/-0.000 χ^2/NDF: 44.4/42

\- sign 0.000+/-0.000 χ^2/NDF: 25.5/21

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

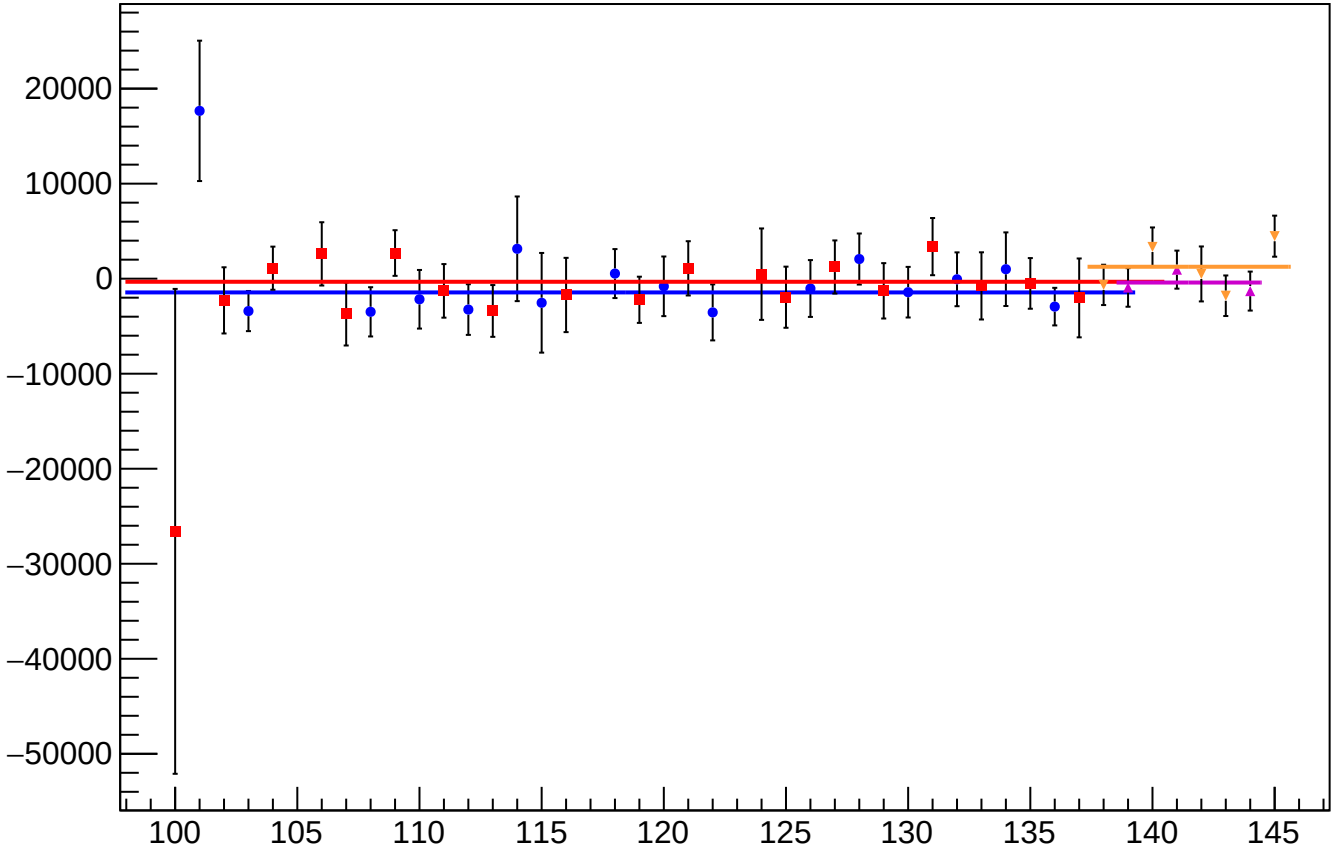
Left In: 0.000+/-0.000 χ^2/NDF:247311.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 3231684.3/20

All: 0.000+/-0.000 χ^2/NDF: 6251685.5/42

- sign 0.000+/-0.000 χ^2/NDF: 2955593.9/21

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

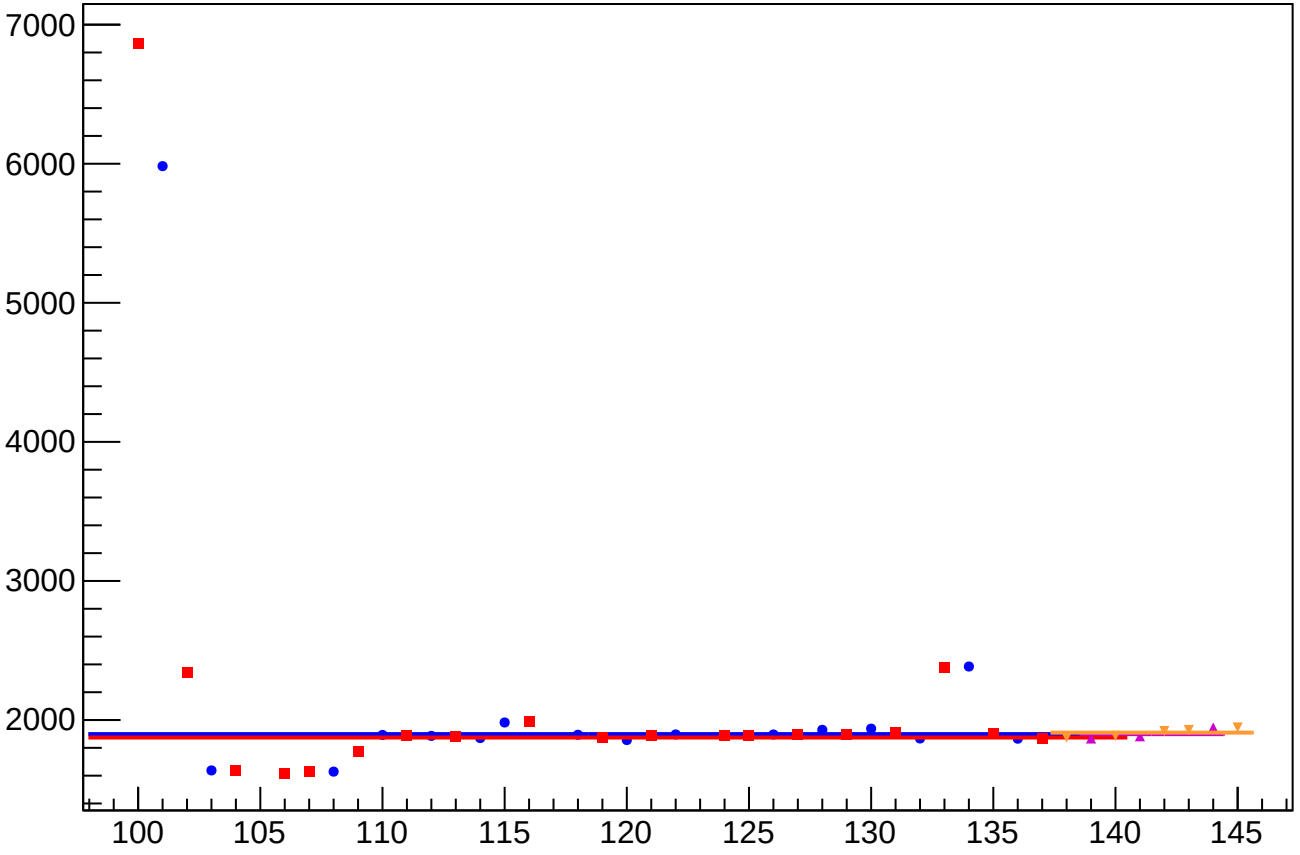
Left In: -407.268+/-1170.396 χ^2/NDF:0.7/2

+ sign -511.530+/-584.704 χ^2/NDF: 24.5/20

All: -431.945+/-419.572 χ^2/NDF: 35.2/42

- sign -347.463+/-602.423 χ^2/NDF: 10.7/21

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

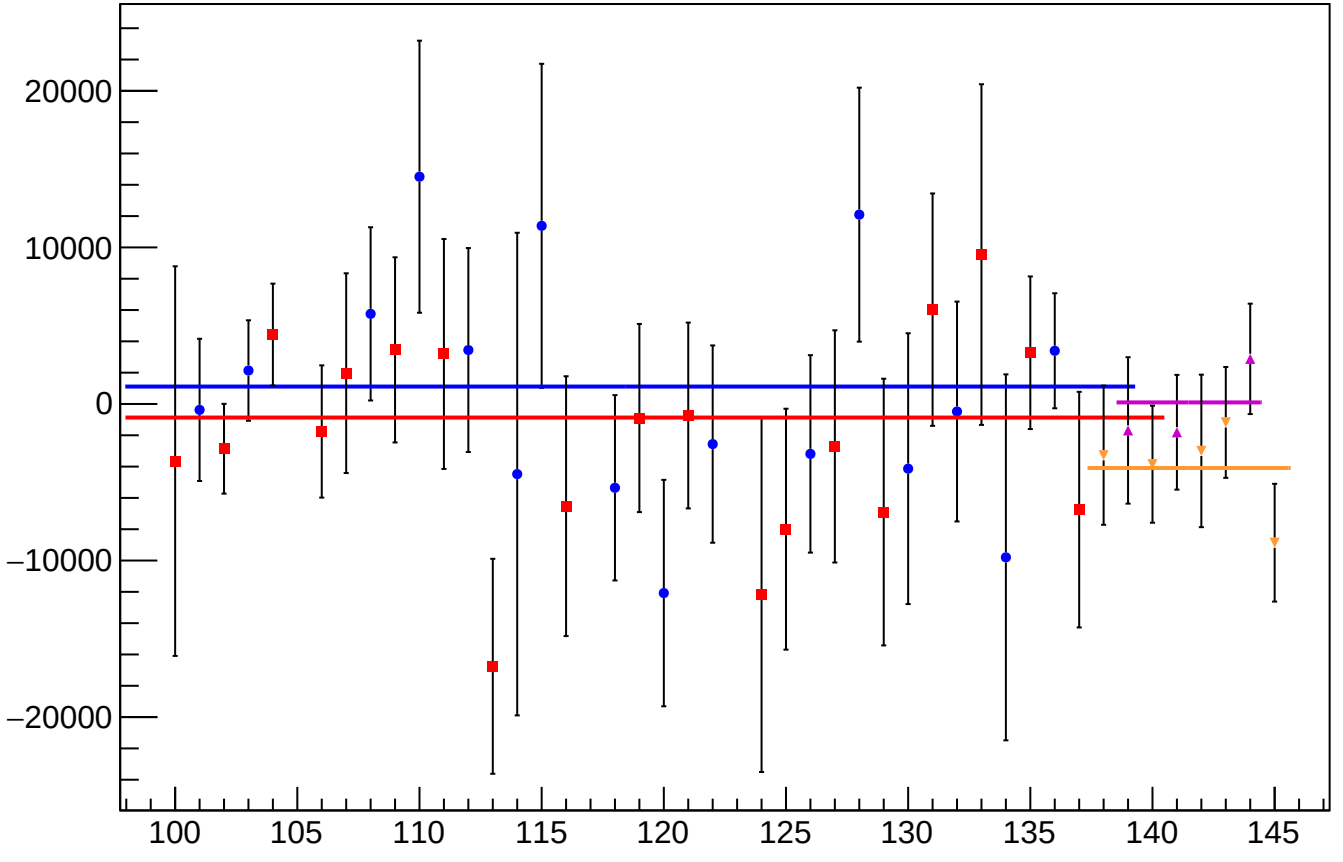
Left In: 1898.531+/-0.828 χ^2/NDF:1694.1/2

+ sign 1902.504+/-0.413 χ^2/NDF: 699246.9/20

All: 1891.877+/-0.296 χ^2/NDF: 910591.1/42

- sign 1880.652+/-0.425 χ^2/NDF: 209985.6/21

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

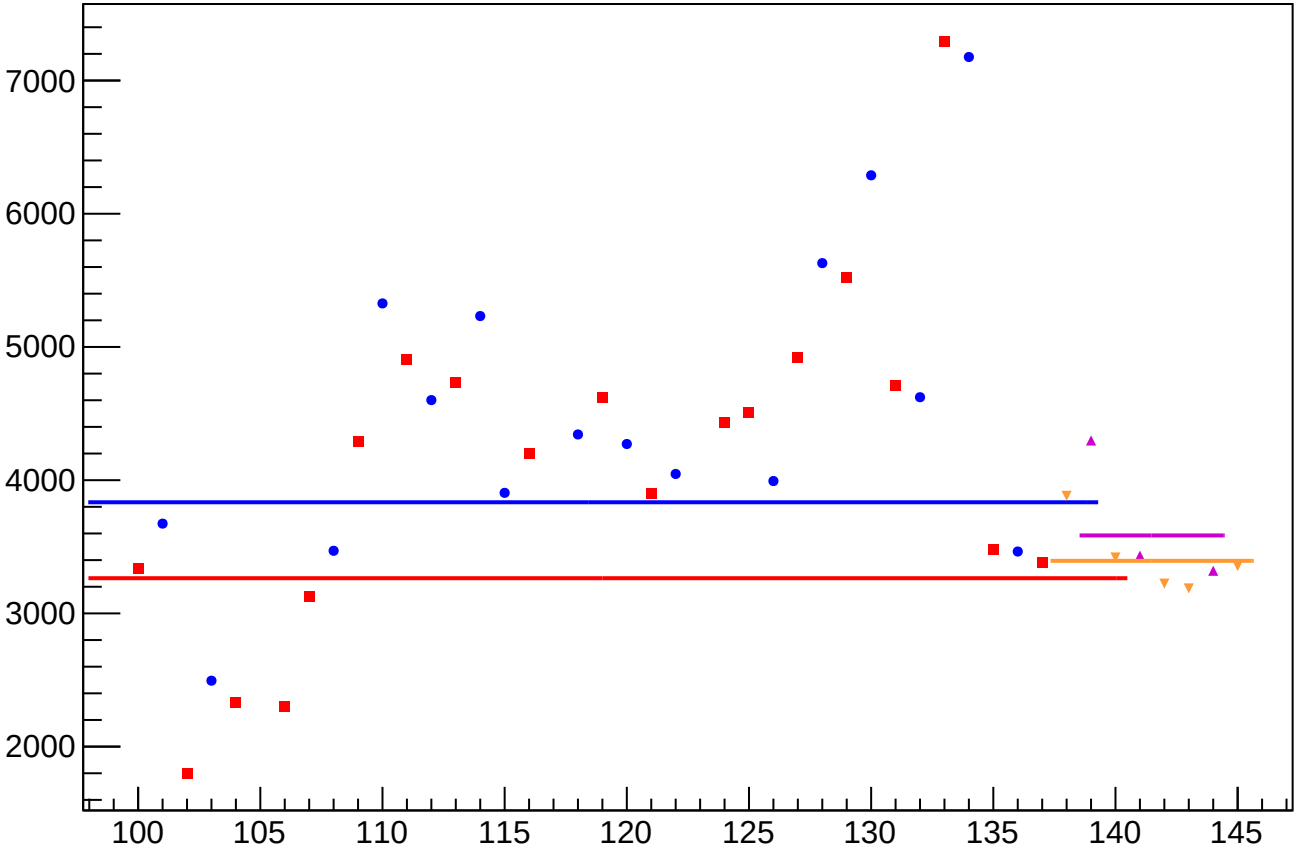
Left In: 99.245+/-2232.649 χ^2/NDF:1.0/2

+ sign -1009.755+/-1138.251 χ^2/NDF: 20.8/20

All: -813.283+/-801.247 χ^2/NDF: 37.7/42

- sign -620.304+/-1128.085 χ^2/NDF: 16.8/21

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

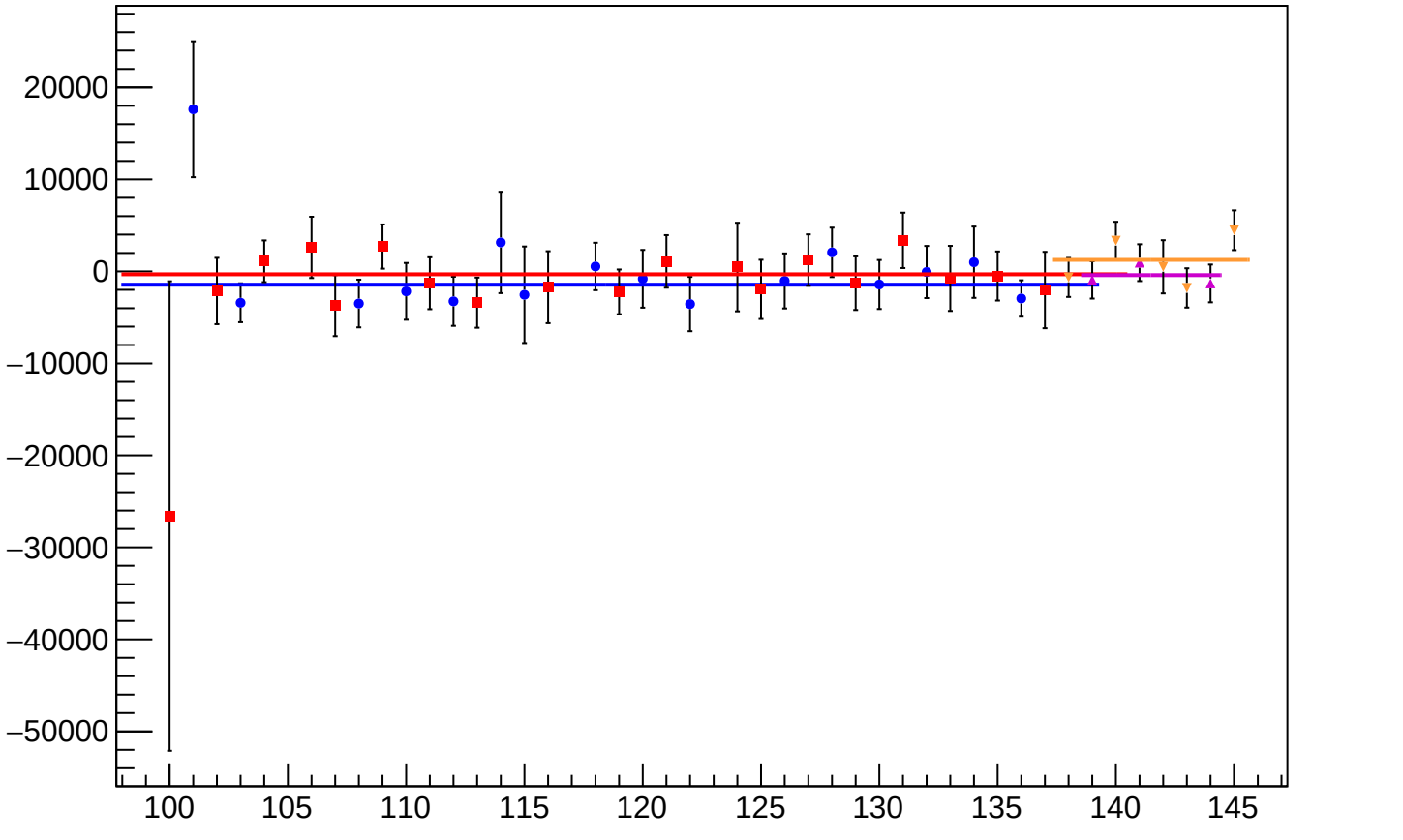
Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3585.127+/-1.579 χ^2/NDF:61190.8/2

+ sign 3654.846+/-0.805 χ^2/NDF: 1062548.7/20

All: 3499.070+/-0.567 χ^2/NDF: 3093023.7/42

- sign 3346.064+/-0.798 χ^2/NDF: 1956223.6/21



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

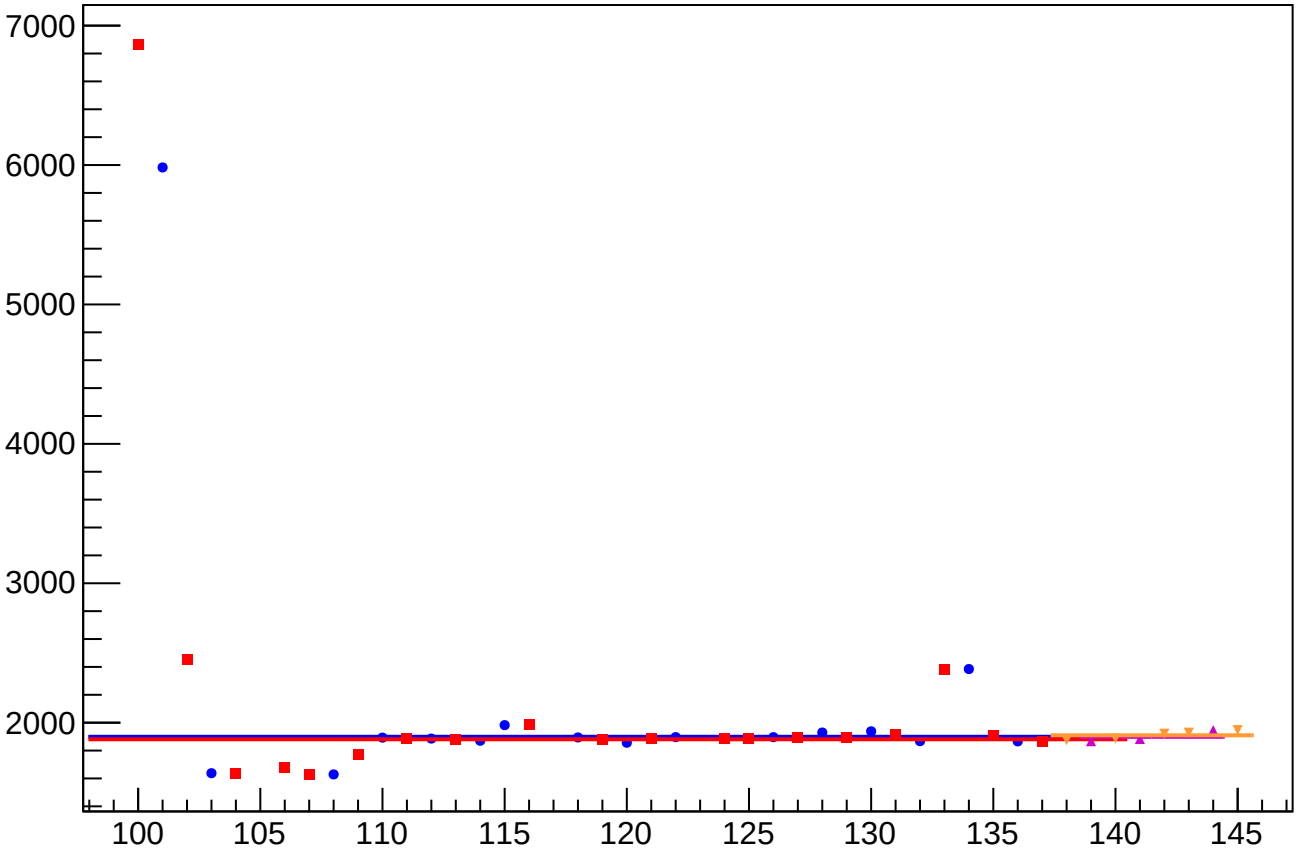
Left In: -407.307+/-1170.396 χ^2/NDF:0.7/2

+ sign -511.725+/-584.704 χ^2/NDF: 24.5/20

All: -428.434+/-419.774 χ^2/NDF: 35.1/42

- sign -339.843+/-603.019 χ^2/NDF: 10.6/21

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

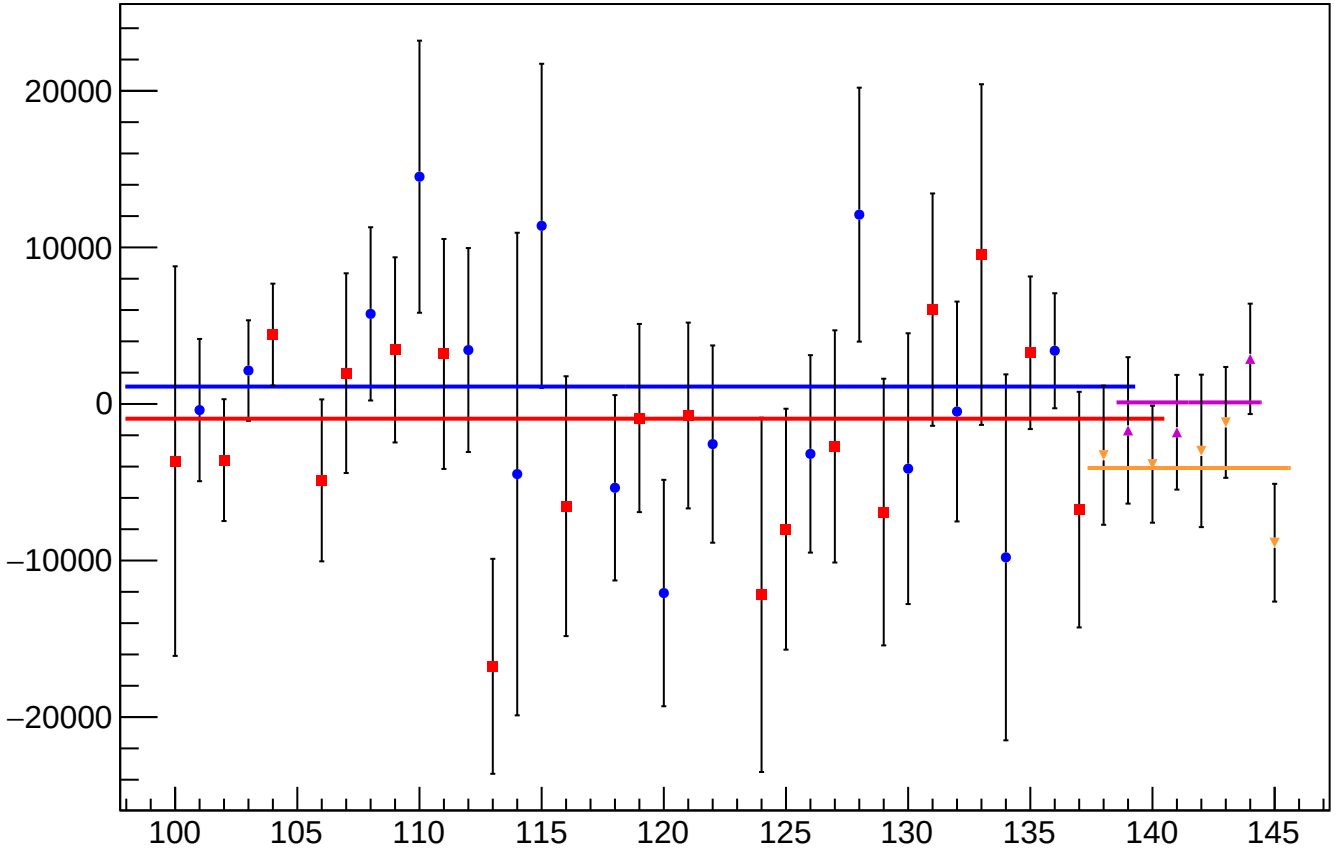
Left In: 1898.531+/-0.828 χ^2/NDF:1694.1/2

+ sign 1902.504+/-0.413 χ^2/NDF: 699247.0/20

All: 1894.326+/-0.297 χ^2/NDF: 918641.5/42

- sign 1885.648+/-0.426 χ^2/NDF: 218588.1/21

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

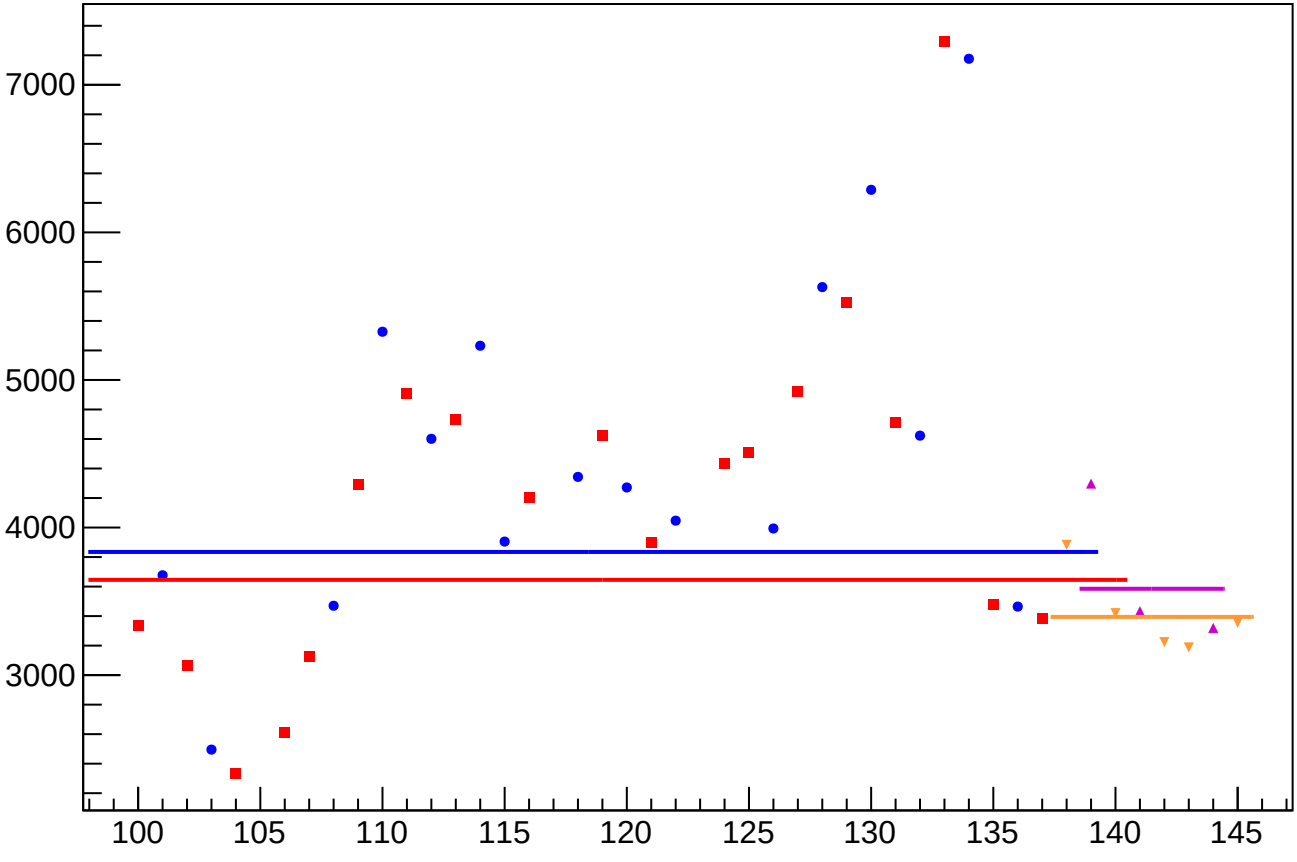
Left In: 99.457+/-2232.639 χ^2/NDF:1.0/2

\+ sign -1010.632+/-1138.329 χ^2/NDF: 20.8/20

All: -836.407+/-821.085 χ^2/NDF: 38.2/42

\- sign -647.448+/-1185.485 χ^2/NDF: 17.4/21

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

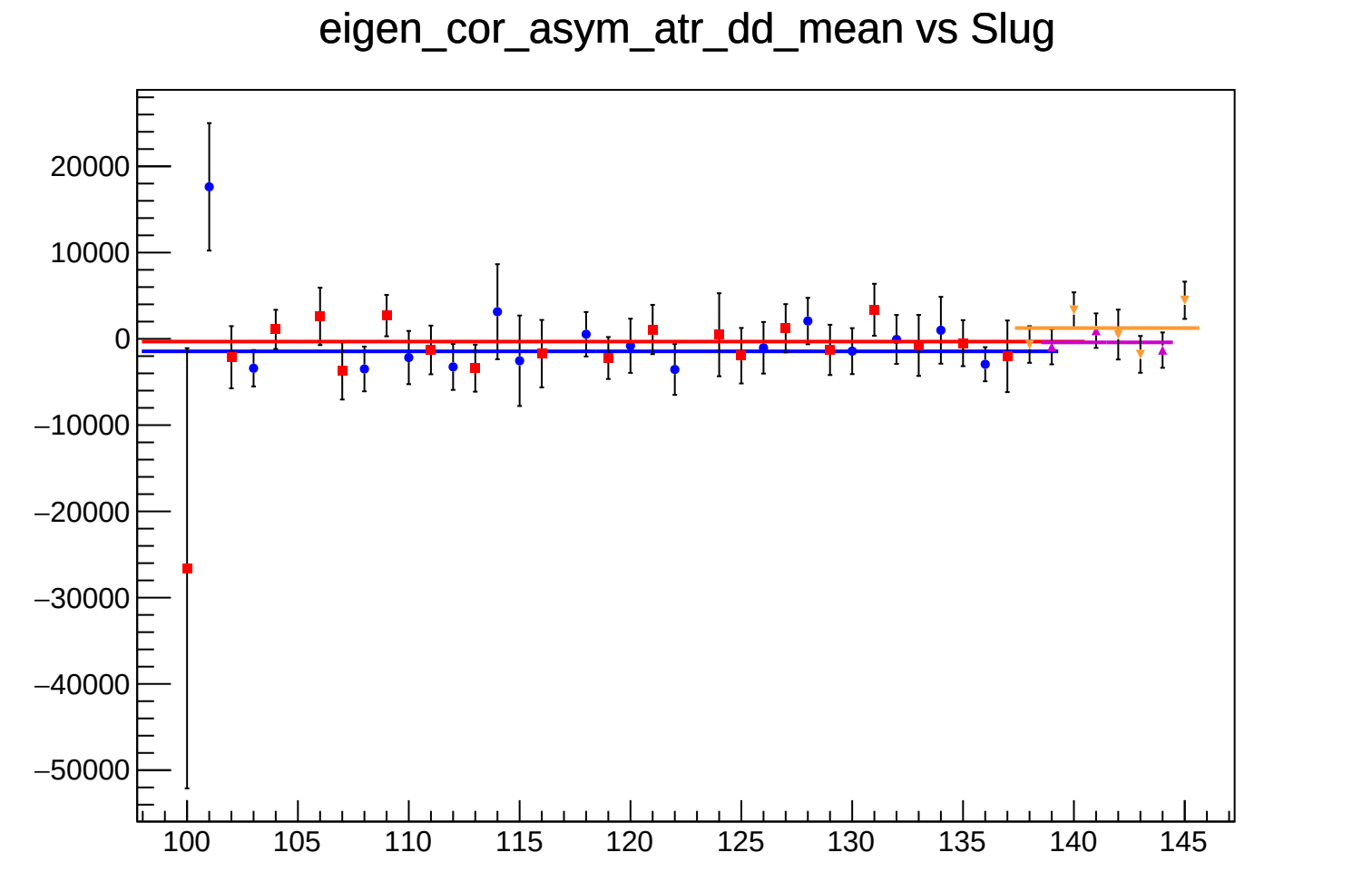
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3585.112+/-1.579 χ^2/NDF:61191.0/2

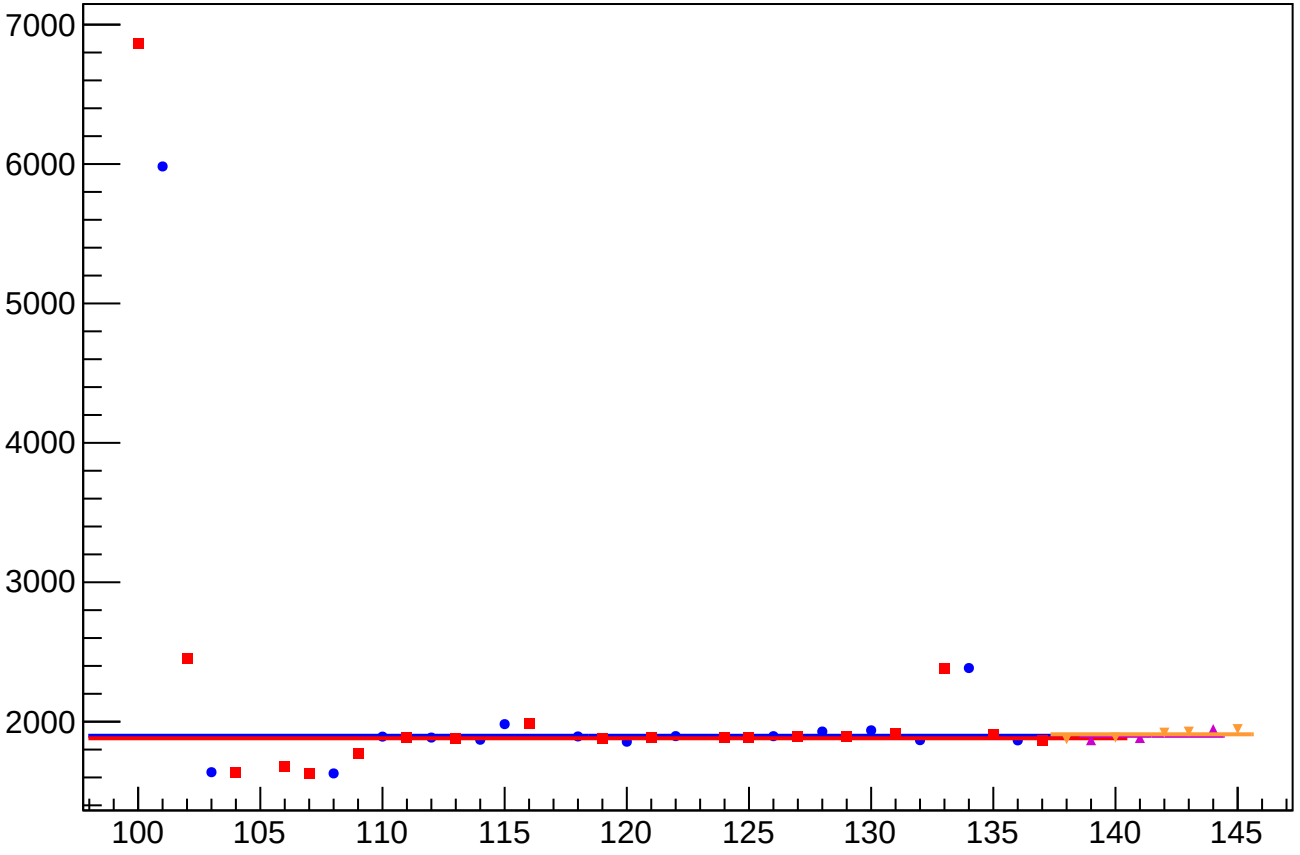
+ sign 3655.129+/-0.805 χ^2/NDF: 1062255.8/20

All: 3642.407+/-0.581 χ^2/NDF: 2250006.1/42

- sign 3628.610+/-0.838 χ^2/NDF: 1187229.6/21


eigen_cor_asym_atr_dd_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: -1446.933+/-723.140 χ²/NDF: 13.5/15
Left Out: 1254.204+/-993.699 χ²/NDF:6.2/4
Right Out: -315.462+/-703.596 χ²/NDF: 9.9/18
Left In: -407.307+/-1170.396 χ²/NDF:0.7/2
+ sign -511.725+/-584.704 χ²/NDF: 24.5/20
All: -428.434+/-419.774 χ²/NDF: 35.1/42
- sign -339.843+/-603.019 χ²/NDF: 10.6/21

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

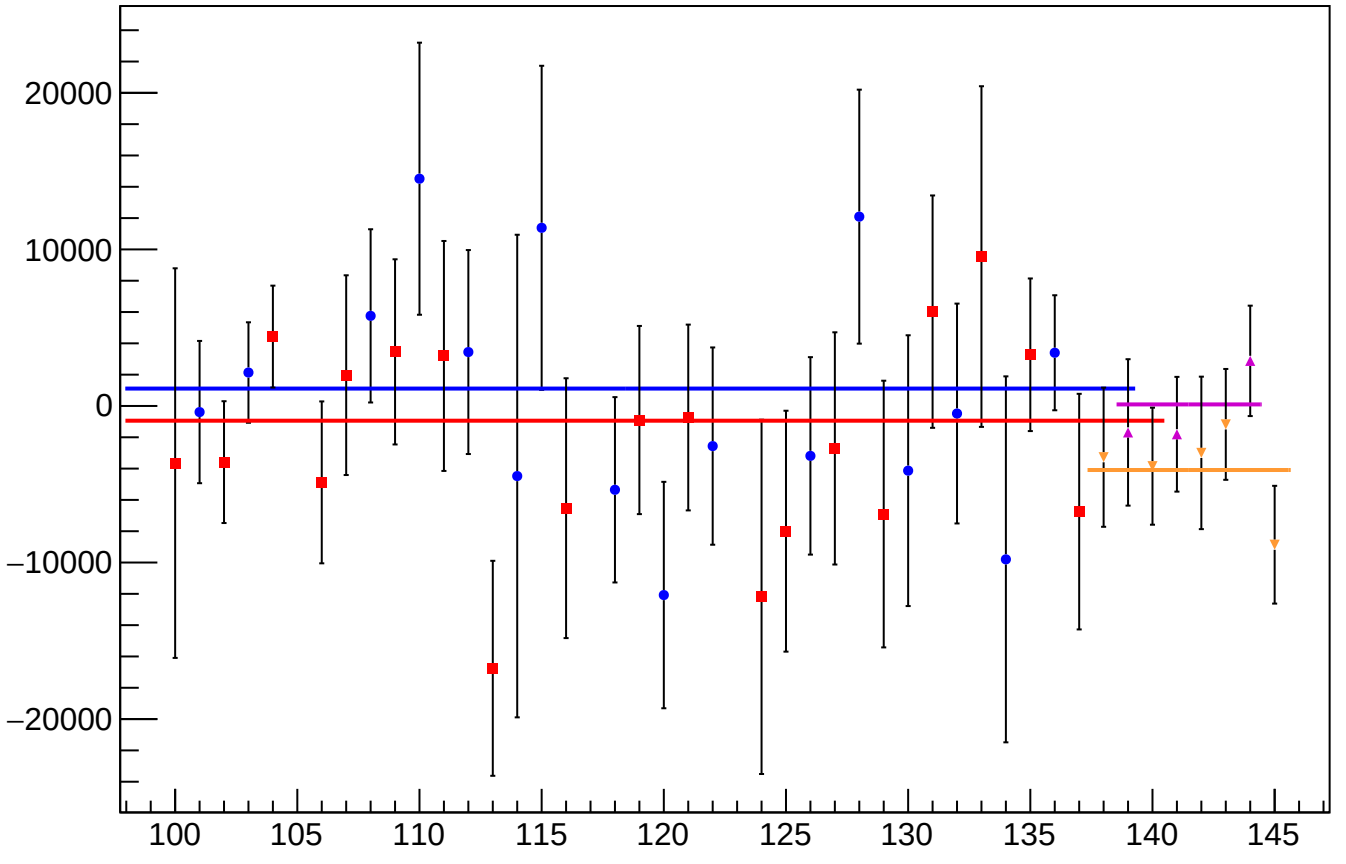
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1898.531+/-0.828 χ^2/NDF:1694.1/2

+ sign 1902.504+/-0.413 χ^2/NDF: 699247.0/20

All: 1894.326+/-0.297 χ^2/NDF: 918641.5/42

- sign 1885.648+/-0.426 χ^2/NDF: 218588.1/21



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -4090.209+/-1782.185 χ^2/NDF:2.4/4

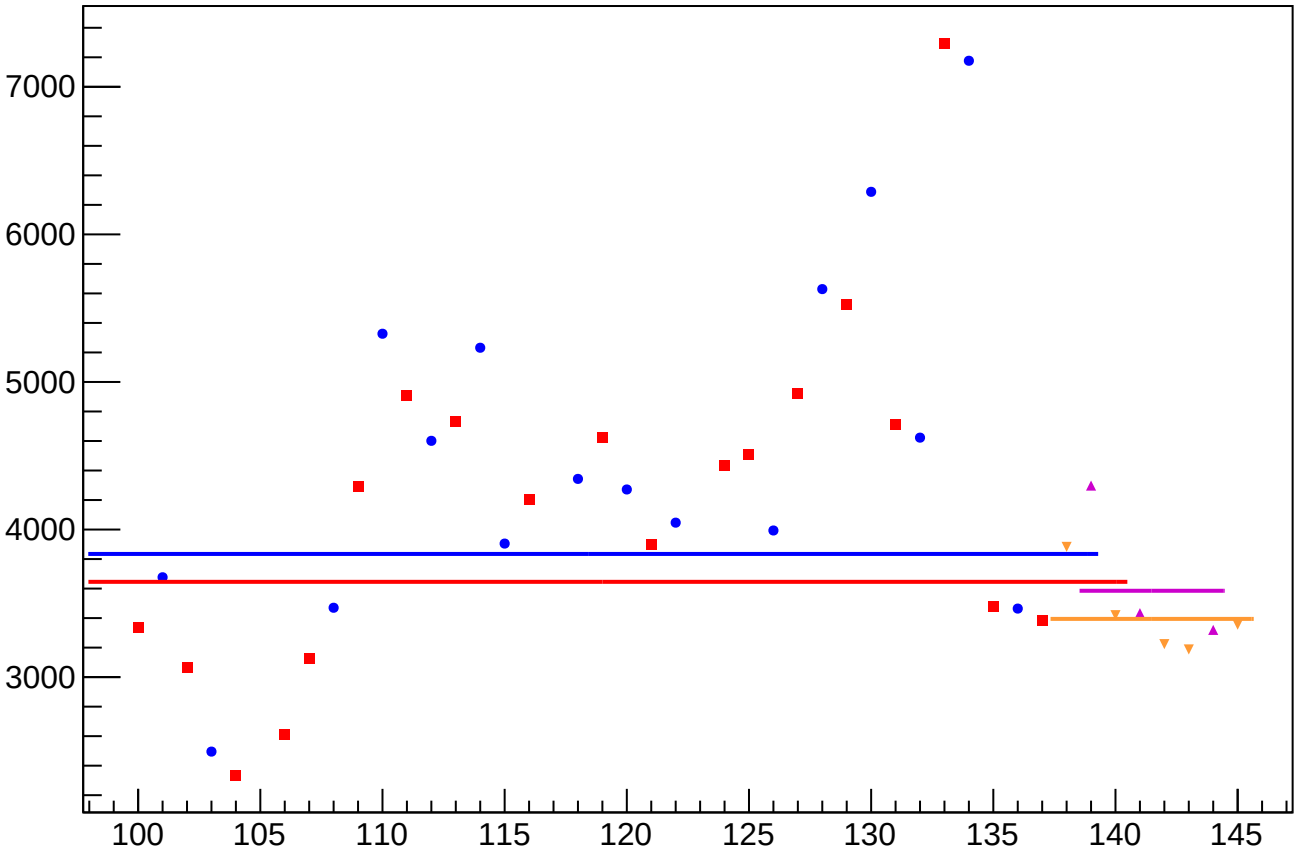
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 99.457+/-2232.639 χ^2/NDF:1.0/2

+ sign -1010.632+/-1138.329 χ^2/NDF: 20.8/20

All: -836.407+/-821.085 χ^2/NDF: 38.2/42

- sign -647.448+/-1185.485 χ^2/NDF: 17.4/21



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3394.558+/-1.260 χ^2/NDF:33727.9/4

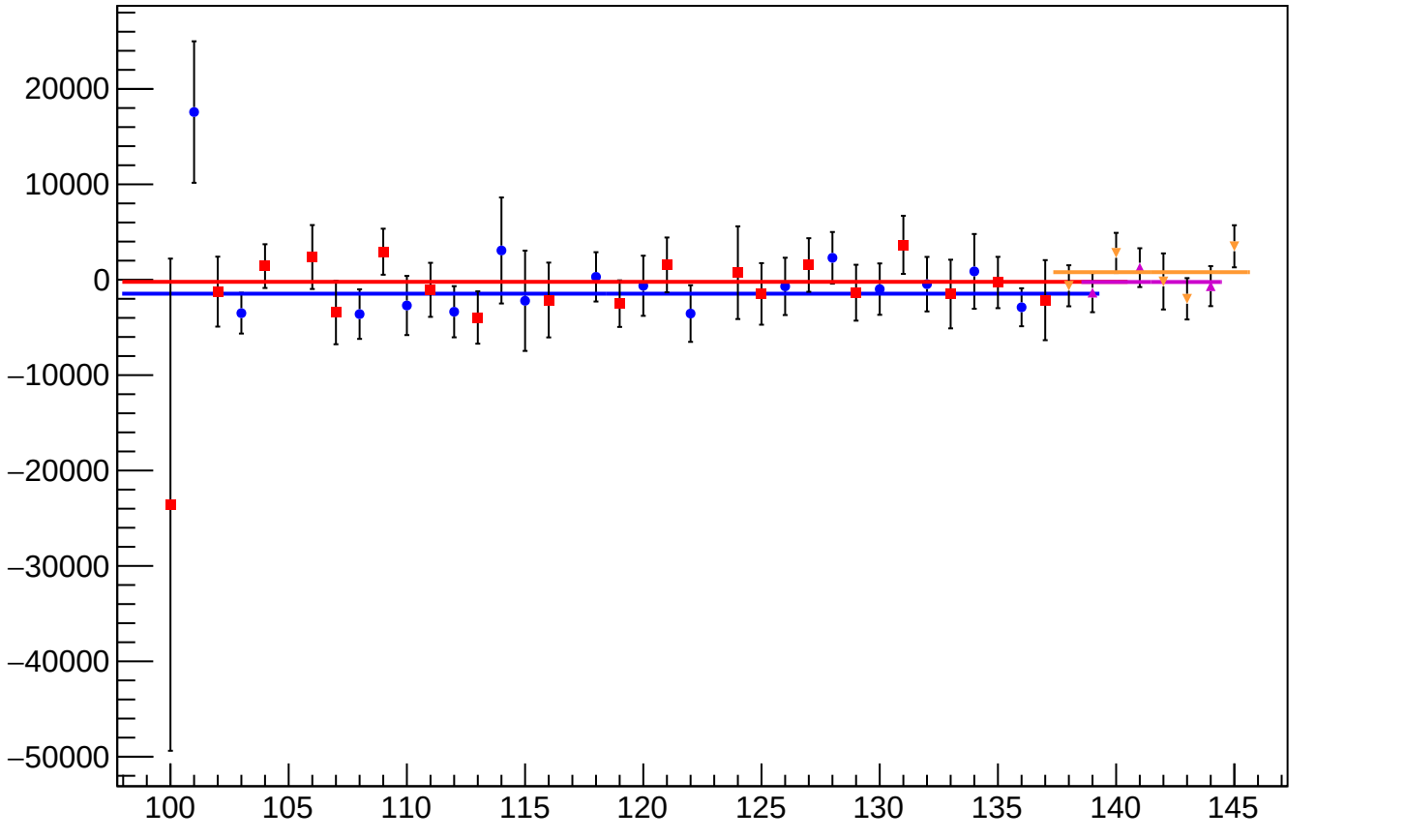
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3585.112+/-1.579 χ^2/NDF:61191.0/2

+ sign 3655.129+/-0.805 χ^2/NDF: 1062255.8/20

All: 3642.407+/-0.581 χ^2/NDF: 2250006.1/42

- sign 3628.610+/-0.838 χ^2/NDF: 1187229.6/21



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

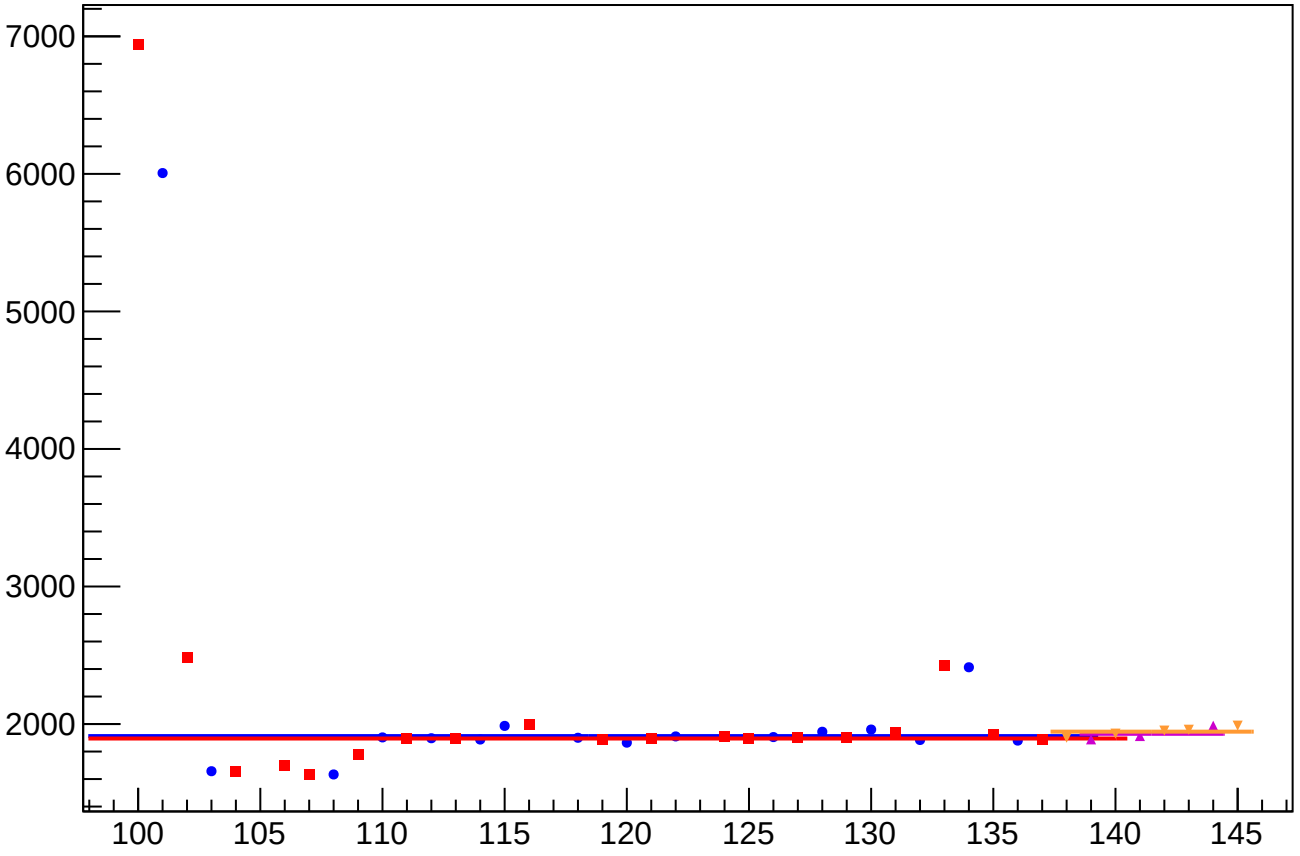
Left In: -236.867+/-1189.259 χ^2/NDF:0.9/2

+ sign -693.357+/-591.134 χ^2/NDF: 21.5/20

All: -465.730+/-424.135 χ^2/NDF: 33.5/42

- sign -224.219+/-608.895 χ^2/NDF: 11.7/21

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

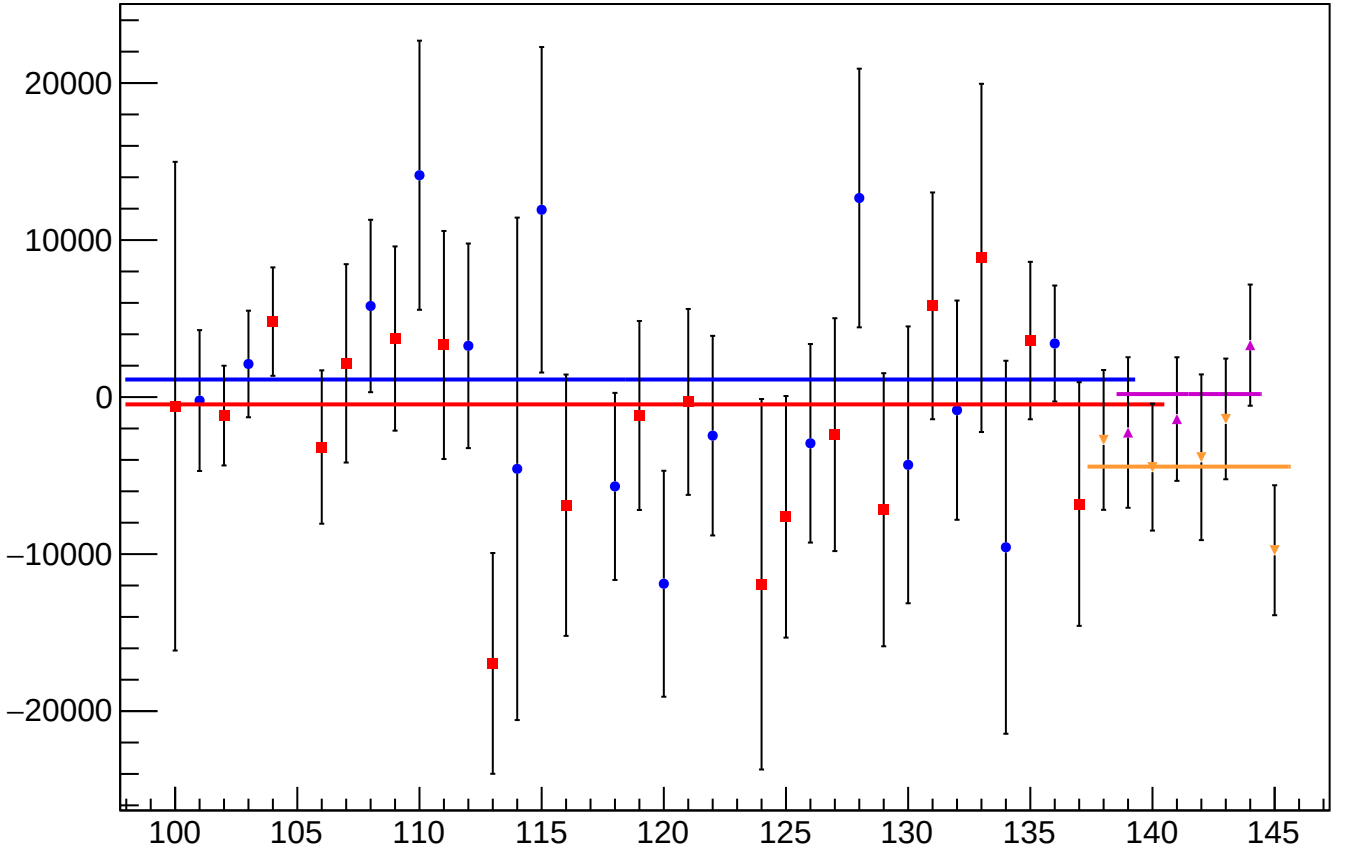
Left In: 1928.955+/-0.841 χ^2/NDF:2471.6/2

+ sign 1923.378+/-0.418 χ^2/NDF: 699365.7/20

All: 1913.829+/-0.300 χ^2/NDF: 923913.9/42

- sign 1903.713+/-0.430 χ^2/NDF: 223473.4/21

asym_atr_dd_dit_correction_mean vs Slug



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

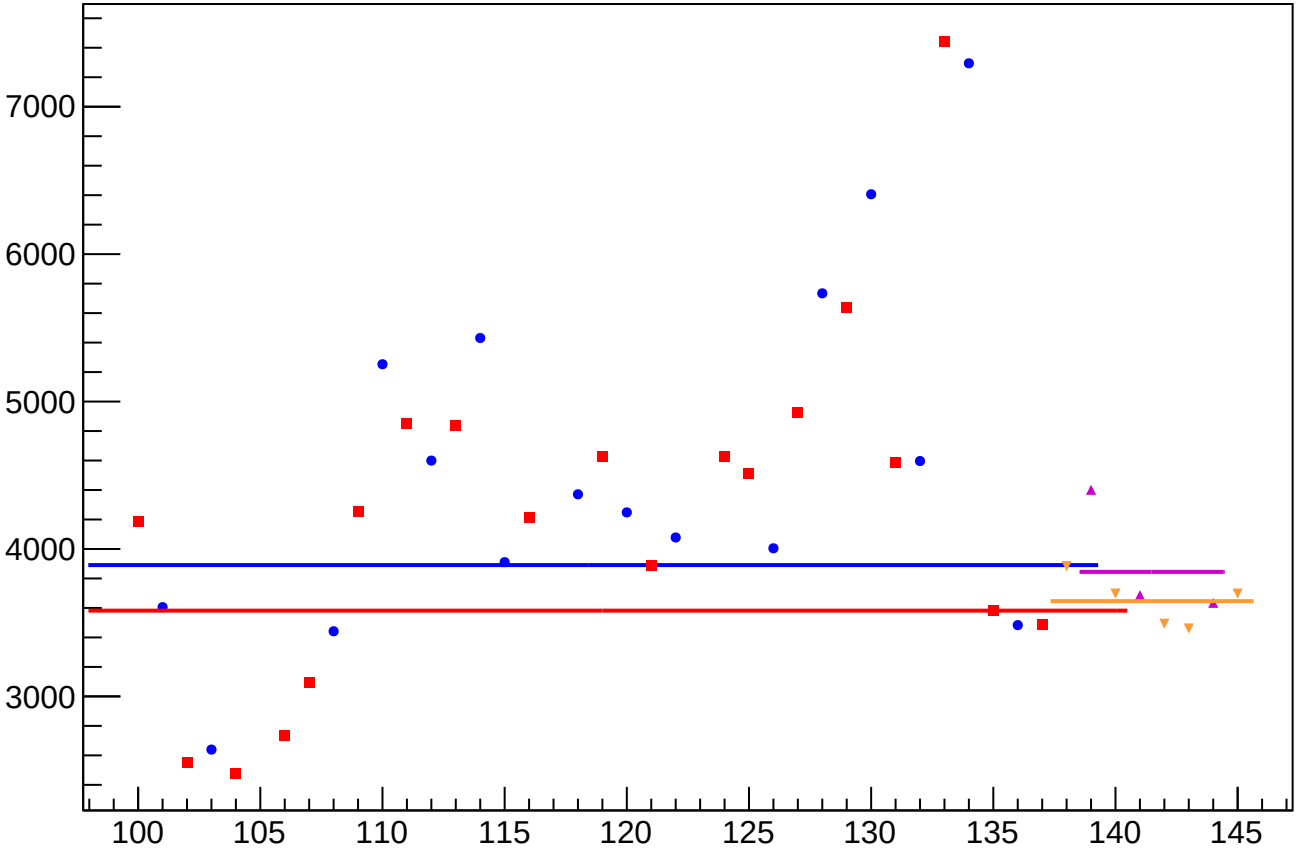
Left In: 192.523+/-2388.888 χ^2/NDF:1.1/2

+ sign -990.062+/-1178.940 χ^2/NDF: 21.1/20

All: -648.771+/-837.161 χ^2/NDF: 37.4/42

- sign -301.647+/-1188.971 χ^2/NDF: 16.2/21

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

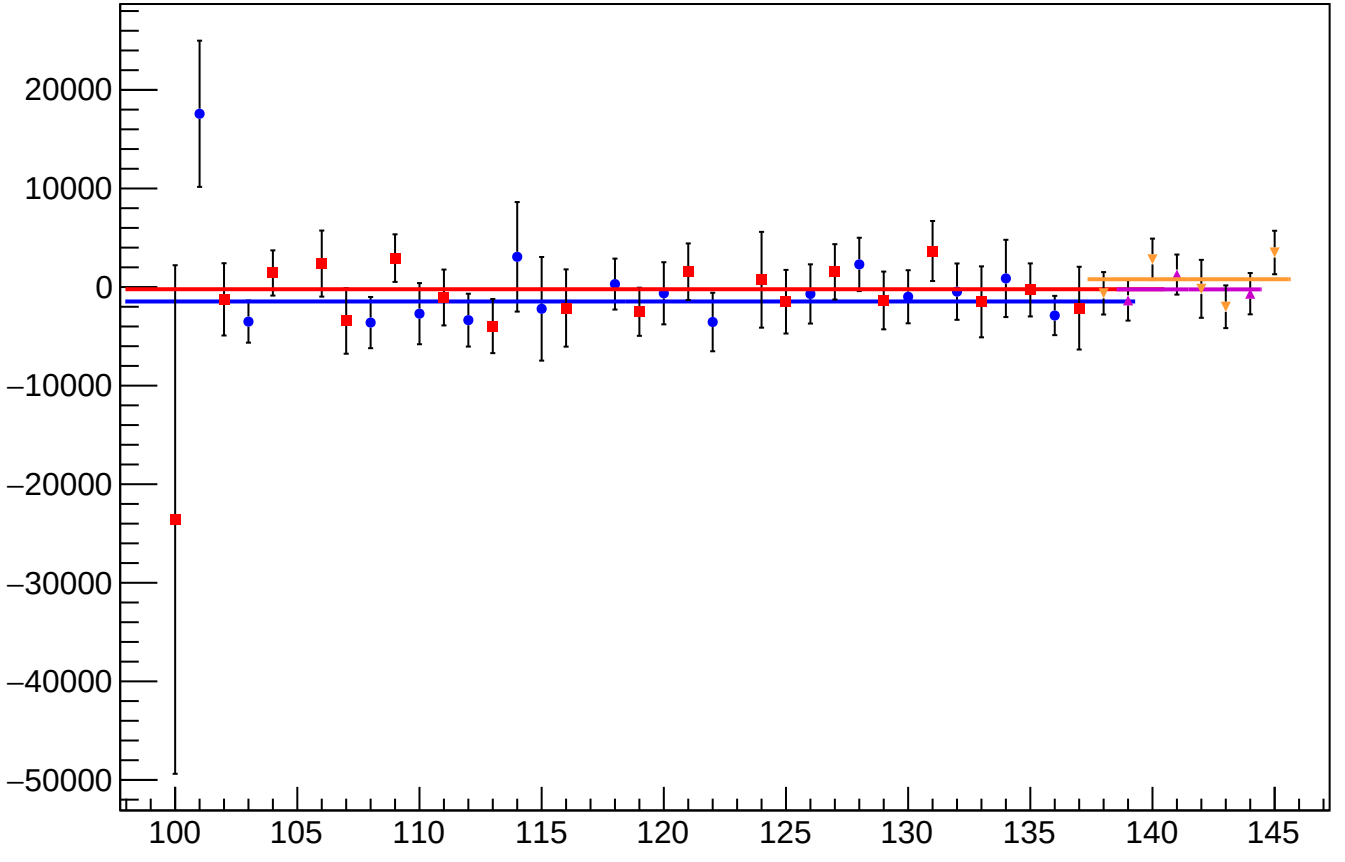
Left In: 3844.640+/-1.689 χ^2/NDF:36112.9/2

\+ sign 3797.742+/-0.834 χ^2/NDF: 911343.9/20

All: 3722.957+/-0.592 χ^2/NDF: 2203761.6/42

\- sign 3646.894+/-0.841 χ^2/NDF: 1276184.8/21

eigen_dit_asym_atr_dd_mean vs Slug



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

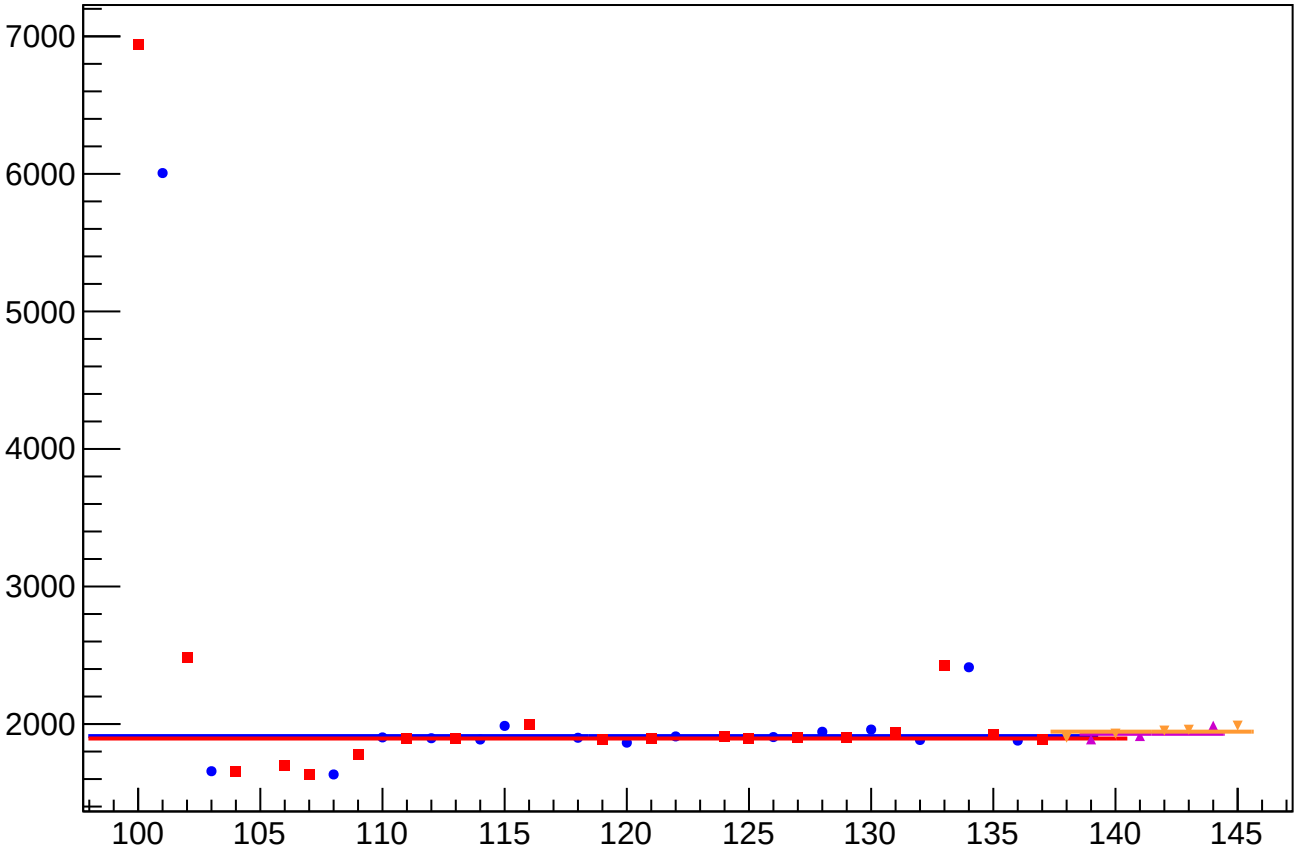
Left In: -236.876+/-1189.259 χ^2/NDF:0.9/2

+ sign -693.362+/-591.134 χ^2/NDF: 21.5/20

All: -465.732+/-424.135 χ^2/NDF: 33.5/42

- sign -224.218+/-608.895 χ^2/NDF: 11.7/21

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

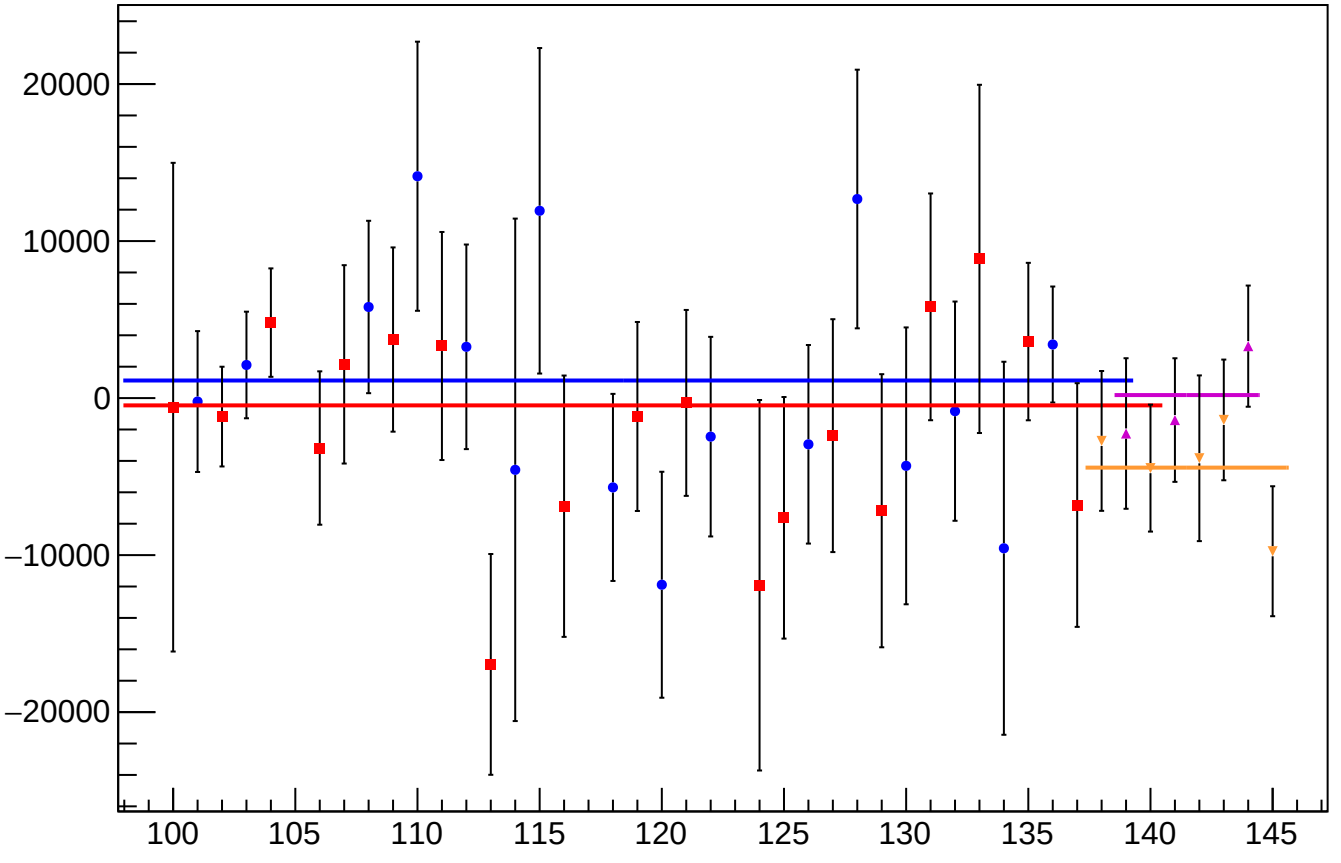
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1928.955+/-0.841 χ^2/NDF:2471.6/2

+ sign 1923.378+/-0.418 χ^2/NDF: 699365.7/20

All: 1913.829+/-0.300 χ^2/NDF: 923913.9/42

- sign 1903.713+/-0.430 χ^2/NDF: 223473.4/21



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

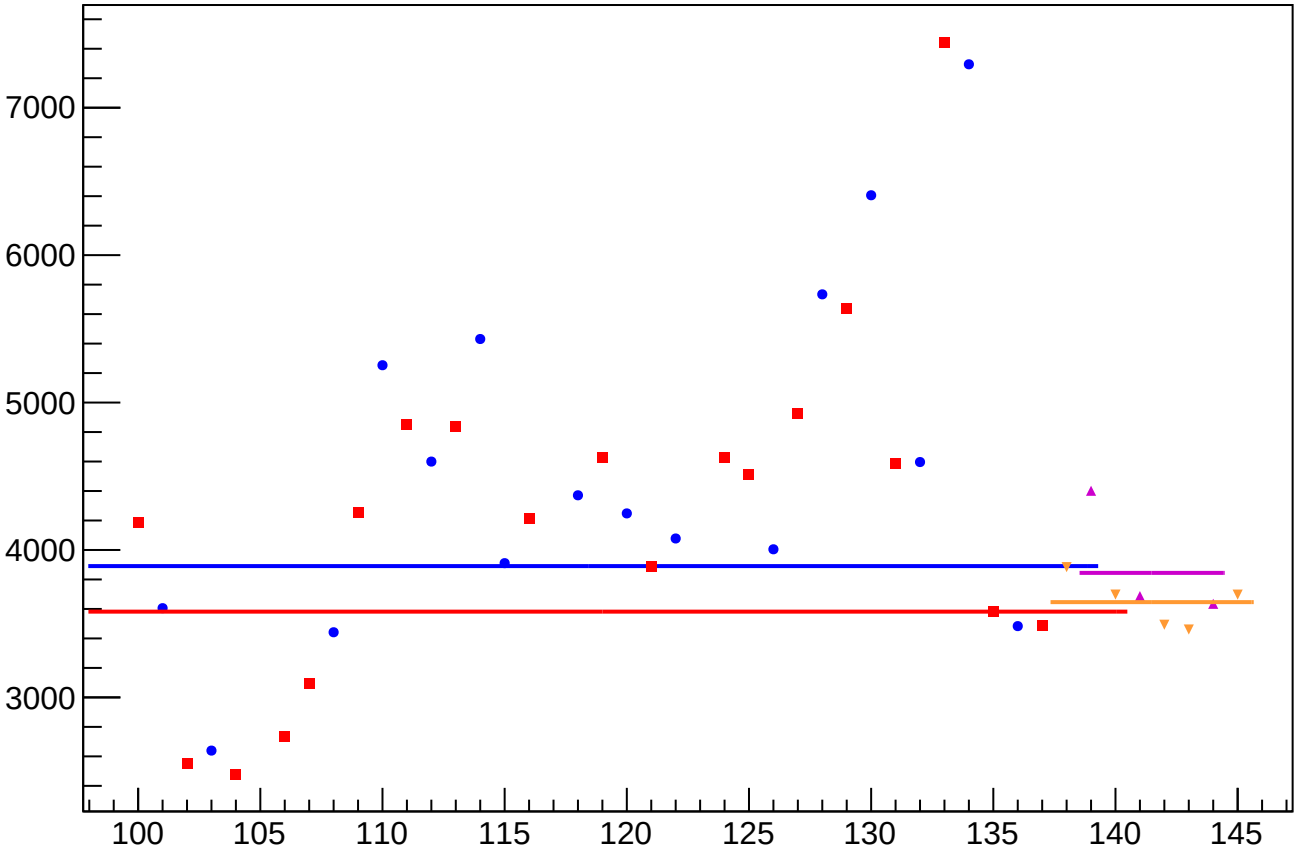
Left In: 192.514+/-2388.890 χ^2/NDF:1.1/2

+ sign -990.067+/-1178.940 χ^2/NDF: 21.1/20

All: -648.774+/-837.160 χ^2/NDF: 37.4/42

- sign -301.649+/-1188.970 χ^2/NDF: 16.2/21

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

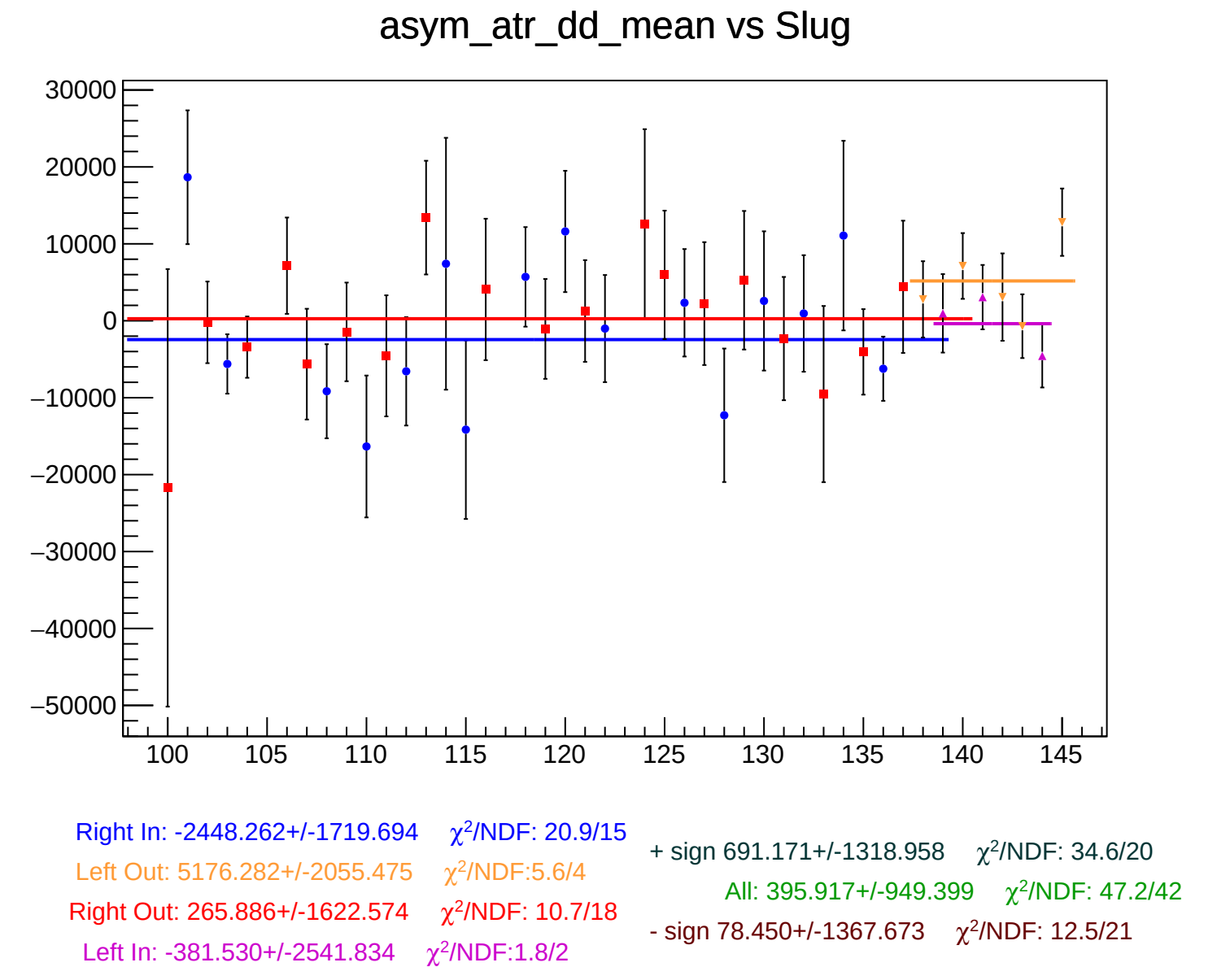
Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3844.643+/-1.689 χ^2/NDF:36113.8/2

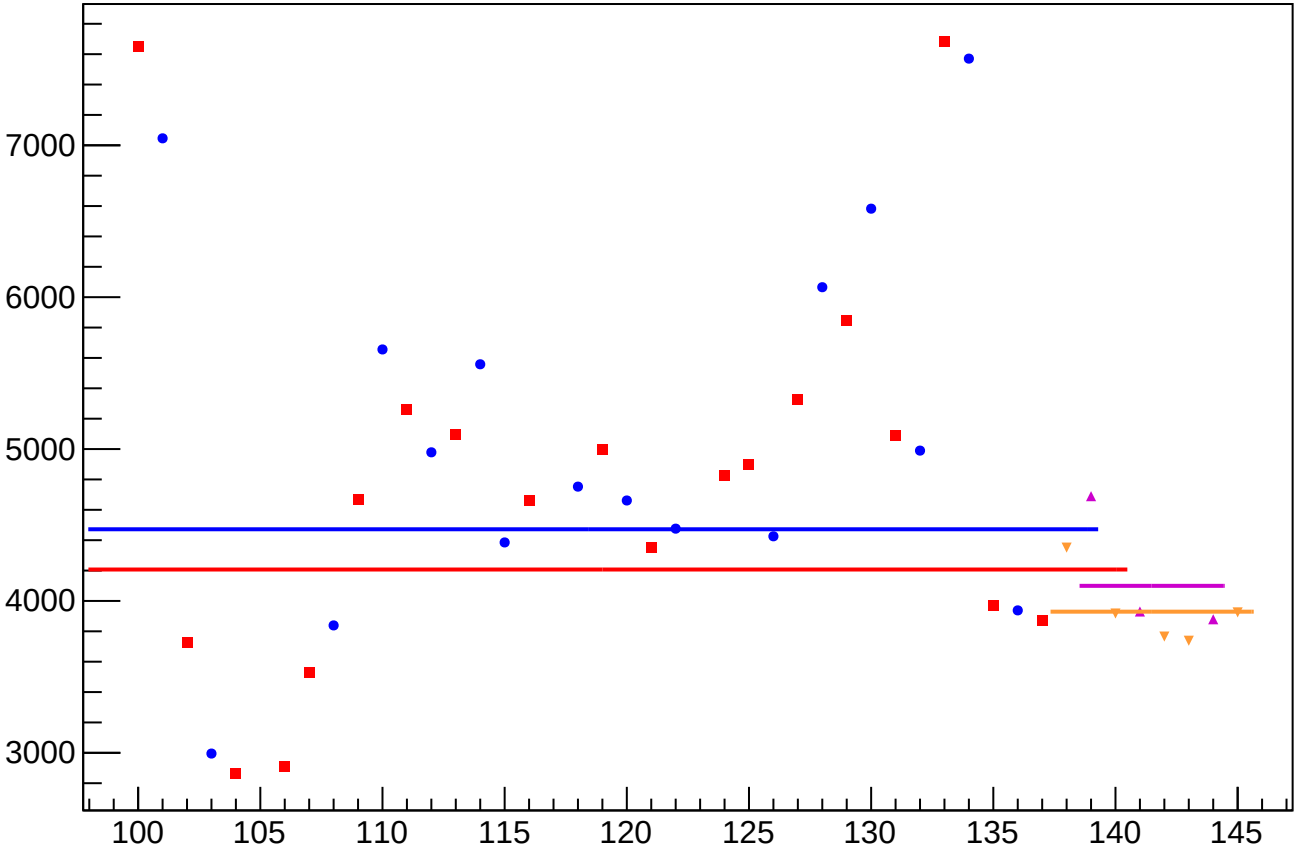
+ sign 3797.742+/-0.834 χ^2/NDF: 911333.7/20

All: 3722.956+/-0.592 χ^2/NDF: 2203744.9/42

- sign 3646.893+/-0.841 χ^2/NDF: 1276177.9/21


asym_atr_dd_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: -2448.262+/-1719.694 χ²/NDF: 20.9/15
Left Out: 5176.282+/-2055.475 χ²/NDF:5.6/4
Right Out: 265.886+/-1622.574 χ²/NDF: 10.7/18
Left In: -381.530+/-2541.834 χ²/NDF:1.8/2
+ sign 691.171+/-1318.958 χ²/NDF: 34.6/20
All: 395.917+/-949.399 χ²/NDF: 47.2/42
- sign 78.450+/-1367.673 χ²/NDF: 12.5/21

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

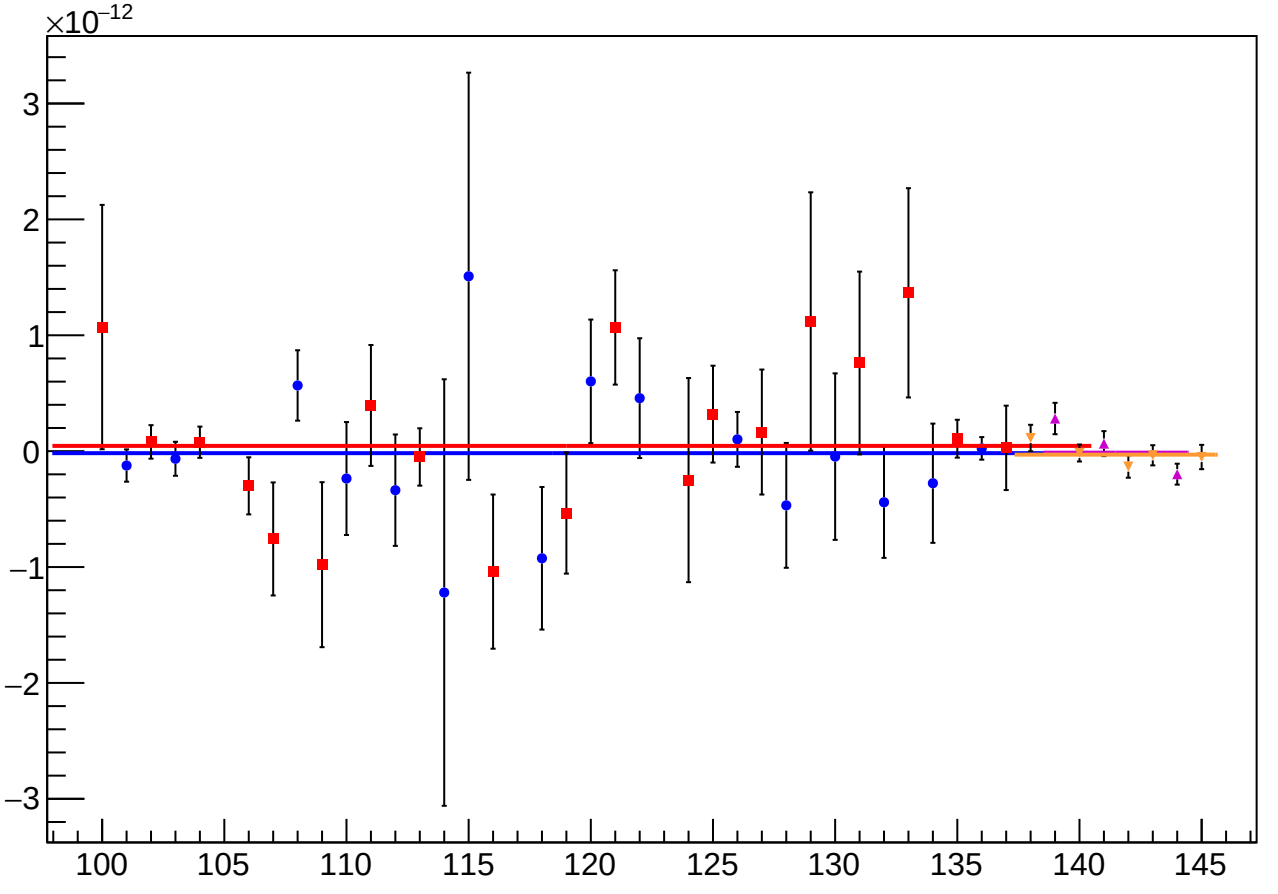
Left In: 4099.436+/-1.797 χ^2/NDF:35793.7/2

+ sign 4248.527+/-0.933 χ^2/NDF: 994033.5/20

All: 4213.441+/-0.669 χ^2/NDF: 1881823.9/42

- sign 4176.153+/-0.961 χ^2/NDF: 884871.1/21

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

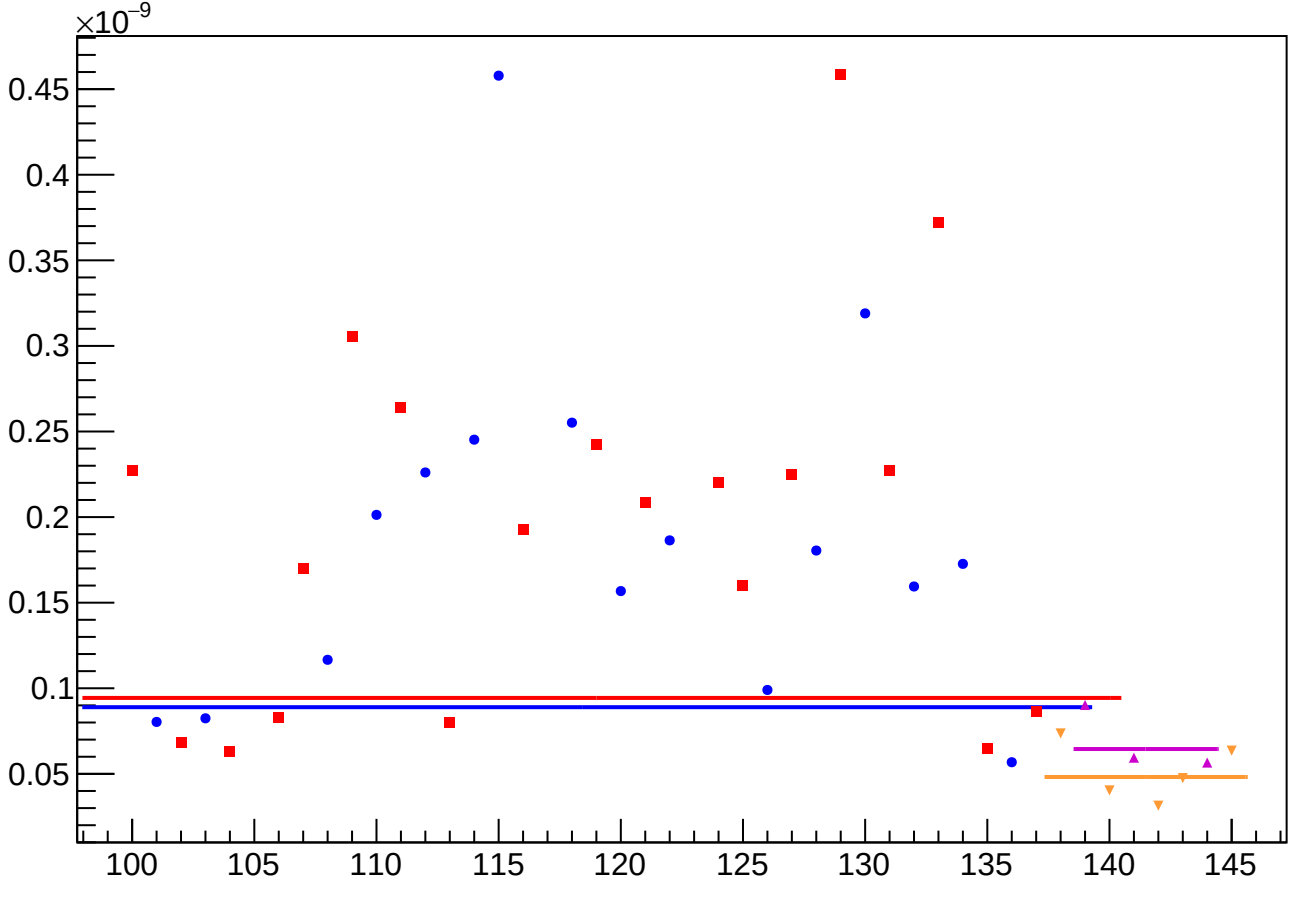
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.5/2

+ sign -0.000+/-0.000 χ^2/NDF: 15.6/20

All: -0.000+/-0.000 χ^2/NDF: 47.2/42

- sign 0.000+/-0.000 χ^2/NDF: 31.1/21



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

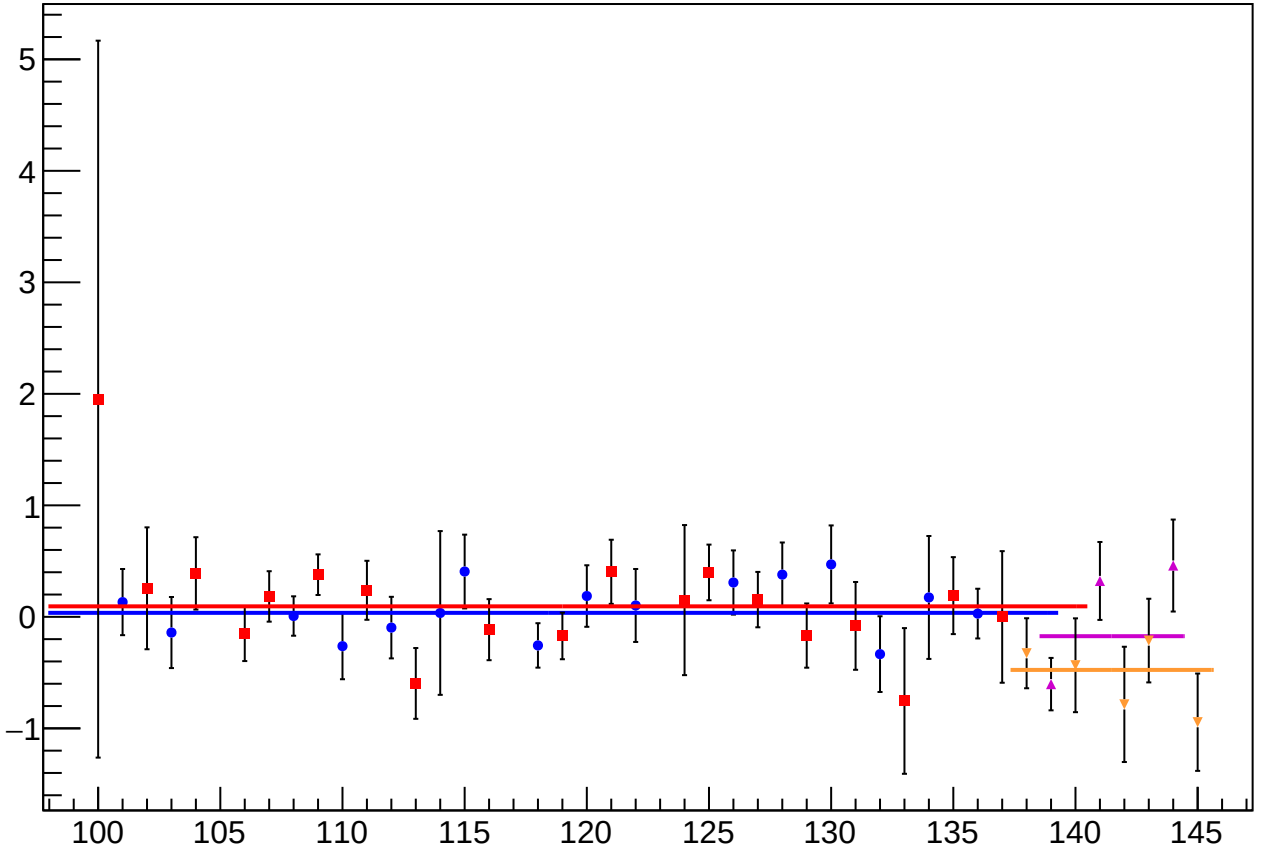
Left In: 0.000+/-0.000 χ^2/NDF:91968.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 2065344.6/20

All: 0.000+/-0.000 χ^2/NDF: 4245683.8/42

- sign 0.000+/-0.000 χ^2/NDF: 1998219.3/21

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

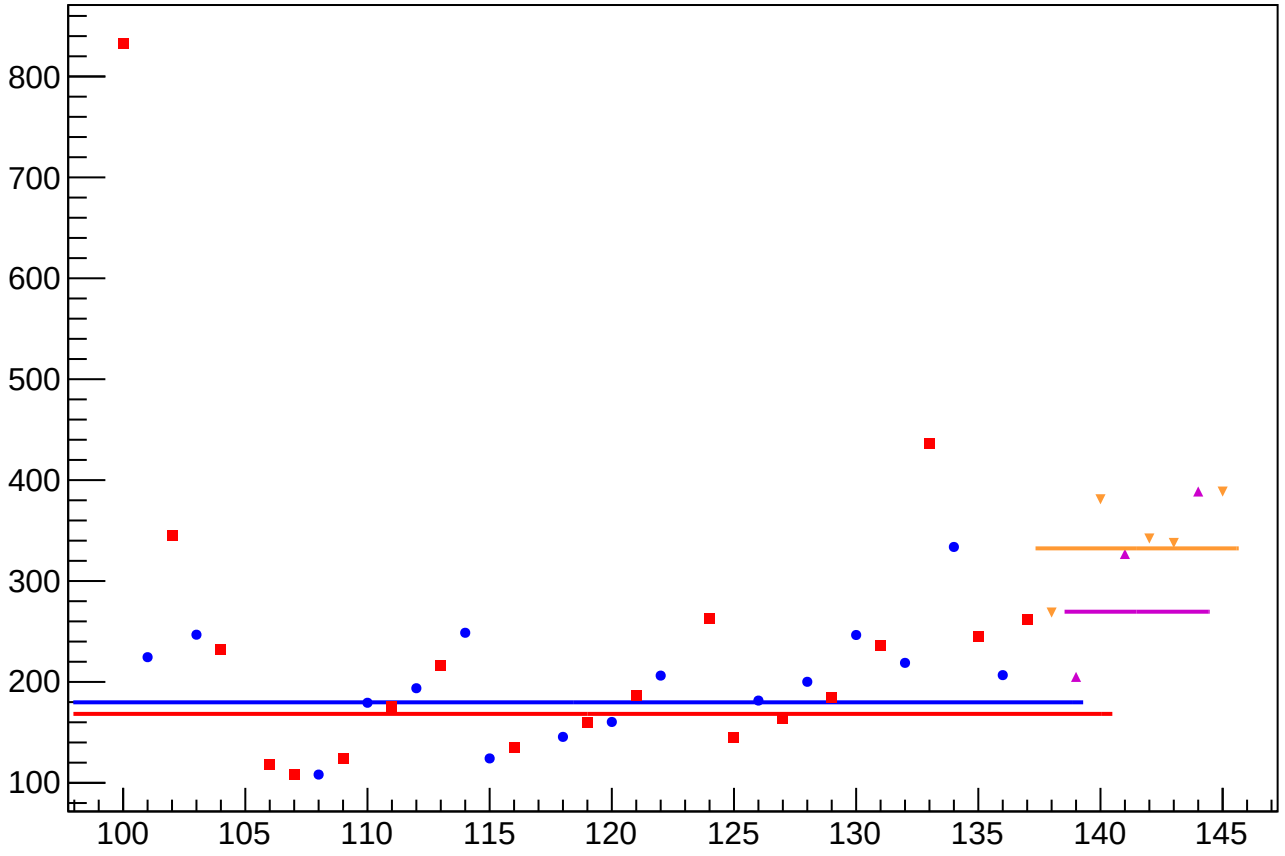
Left In: -0.173+/-0.176 χ^2/NDF:7.7/2

\+ sign -0.034+/-0.066 χ^2/NDF: 20.0/20

All: 0.015+/-0.045 χ^2/NDF: 48.4/42

\- sign 0.060+/-0.063 χ^2/NDF: 27.3/21

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

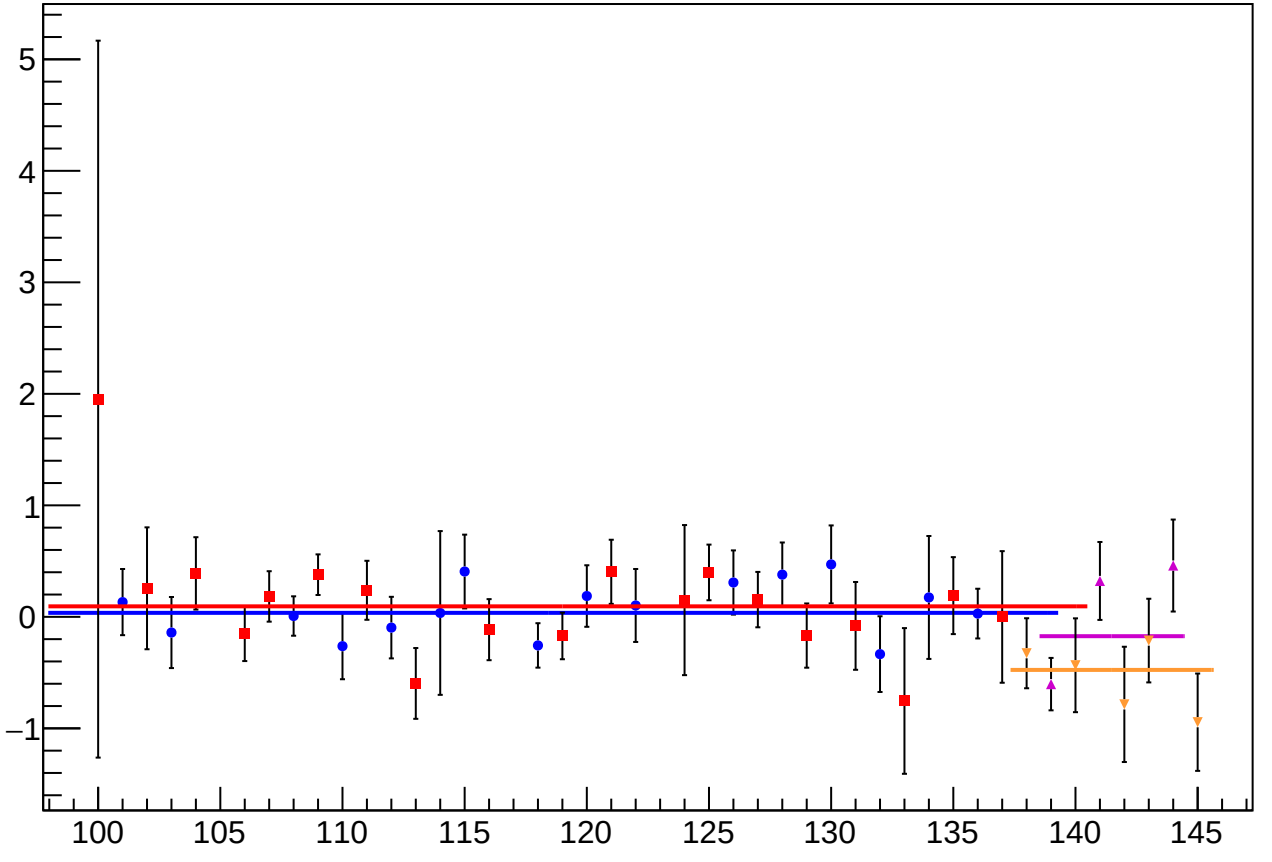
Left In: 269.595+/-0.125 χ^2/NDF:371406.3/2

+ sign 200.709+/-0.046 χ^2/NDF: 2342675.2/20

All: 190.652+/-0.032 χ^2/NDF: 4789094.5/42

- sign 181.321+/-0.045 χ^2/NDF: 2355690.2/21

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

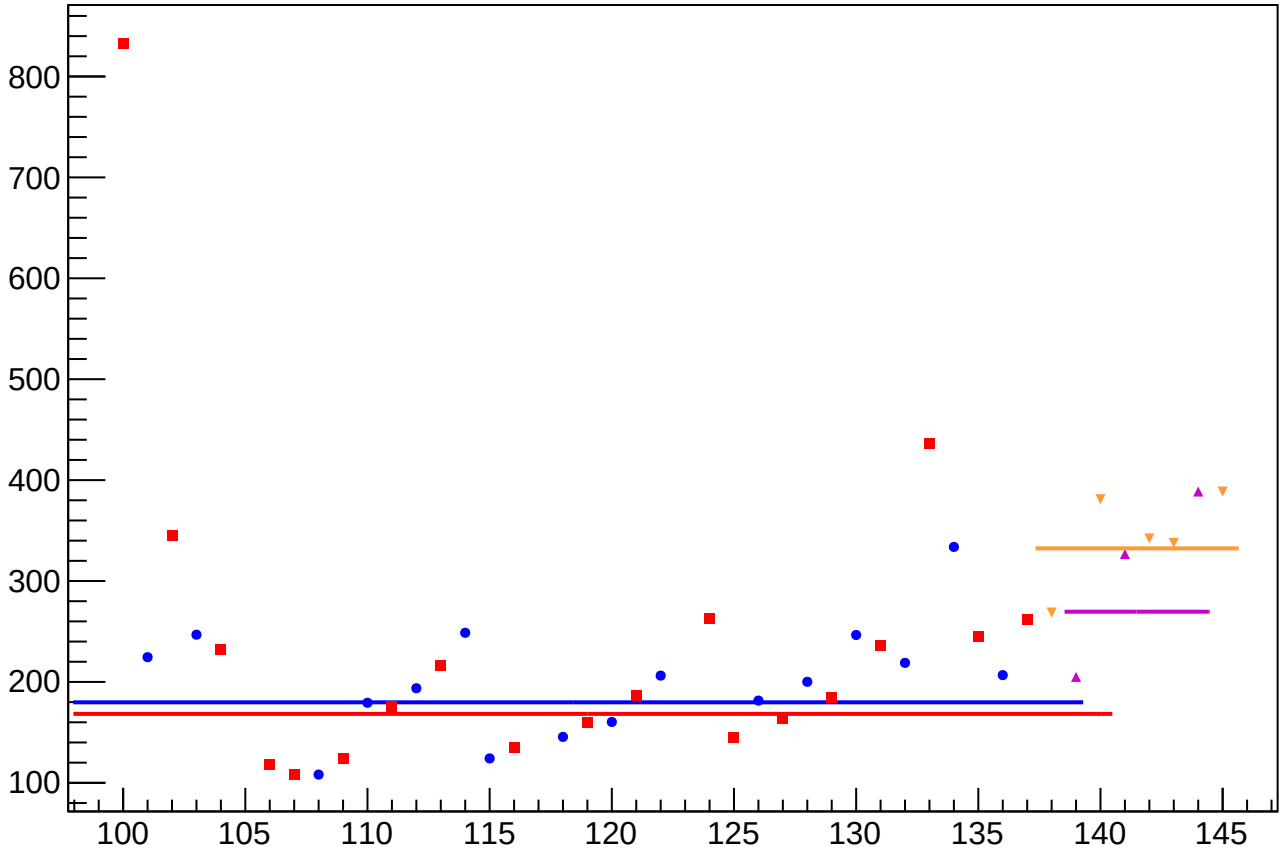
Left In: -0.173+/-0.176 χ^2/NDF:7.7/2

+ sign -0.034+/-0.066 χ^2/NDF: 20.0/20

All: 0.015+/-0.045 χ^2/NDF: 48.4/42

- sign 0.060+/-0.063 χ^2/NDF: 27.3/21

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

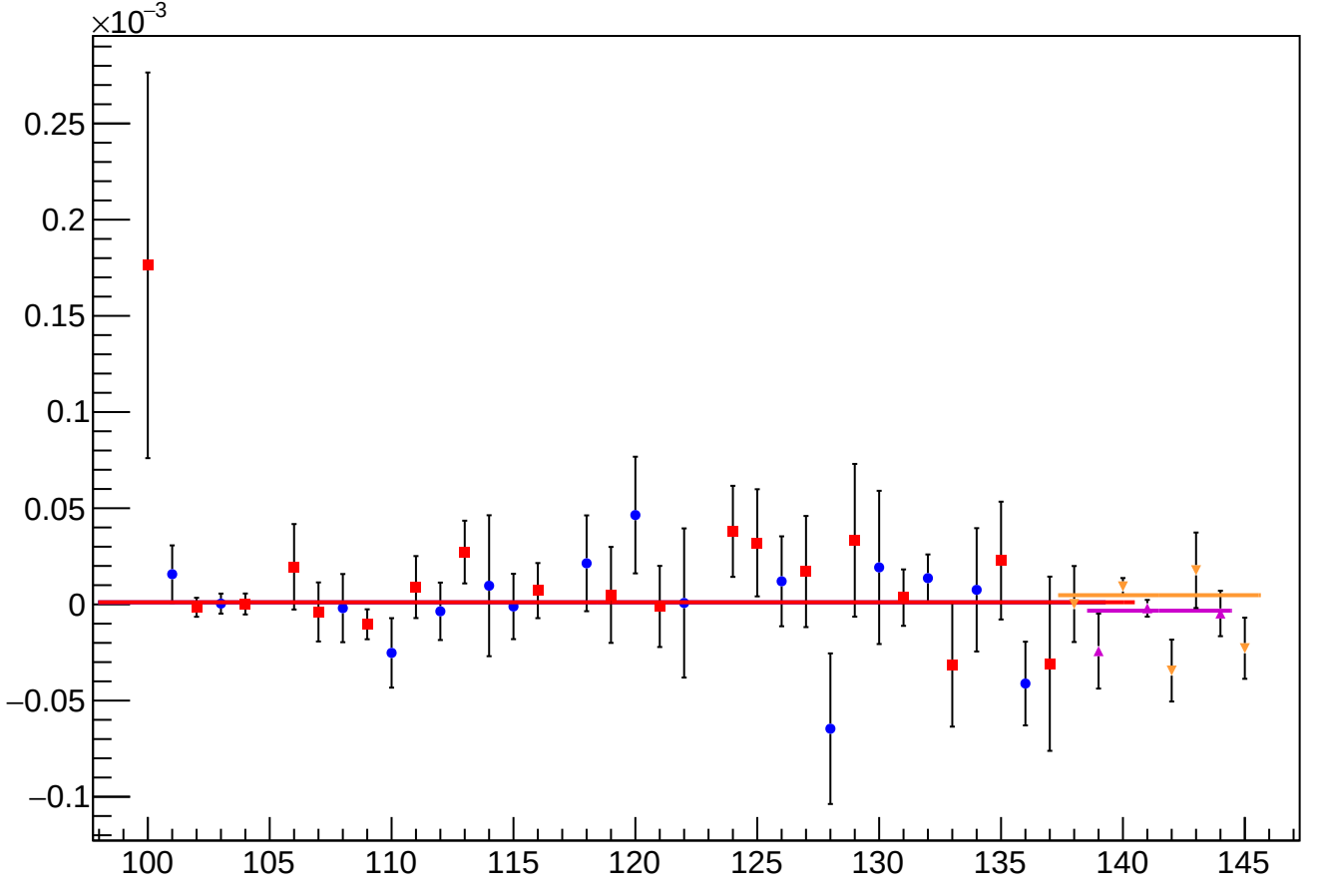
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 269.595+/-0.125 χ^2/NDF:371406.3/2

+ sign 200.709+/-0.046 χ^2/NDF: 2342675.2/20

All: 190.652+/-0.032 χ^2/NDF: 4789094.5/42

- sign 181.321+/-0.045 χ^2/NDF: 2355690.2/21



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

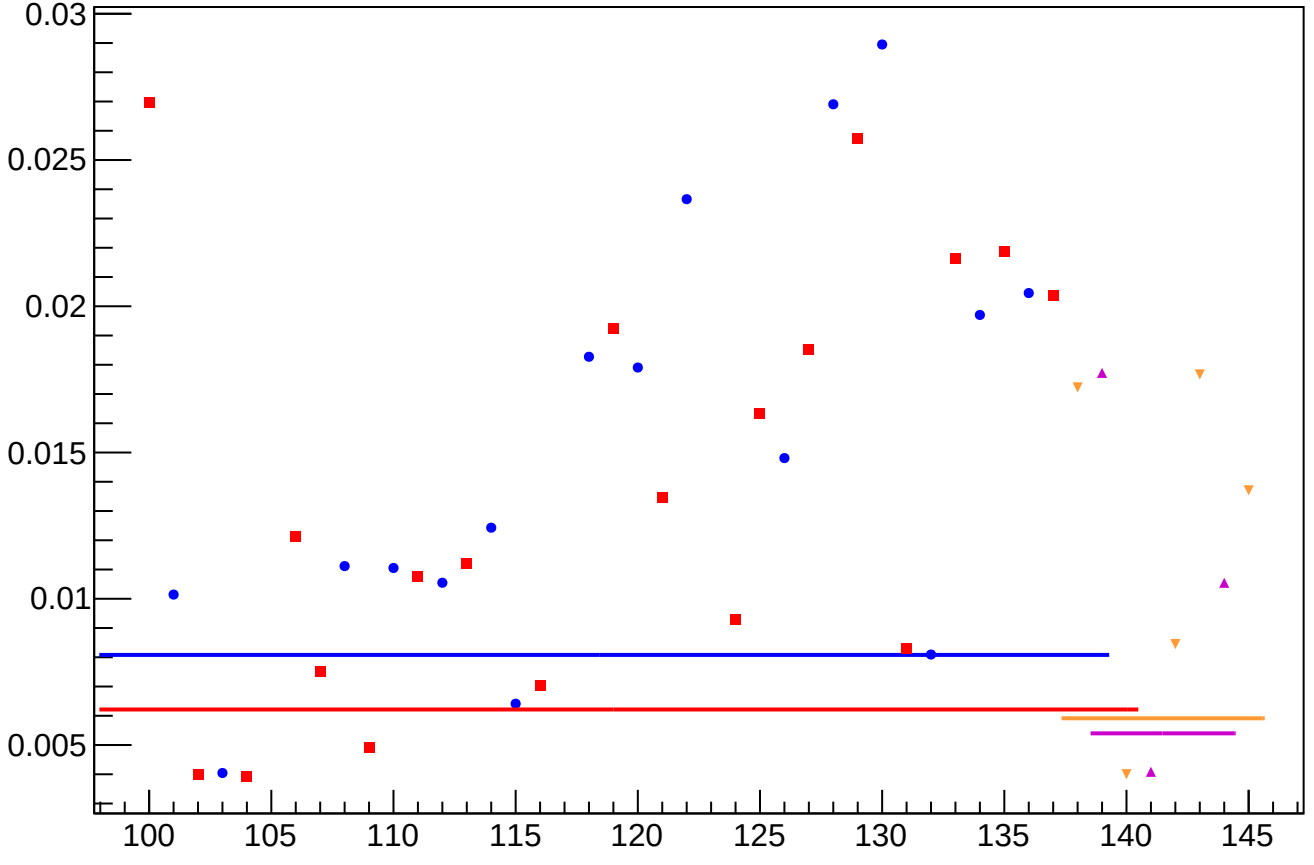
Left In: -0.000+/-0.000 χ^2/NDF:1.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 25.3/20

All: 0.000+/-0.000 χ^2/NDF: 44.1/42

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

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:2287872.2/4

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

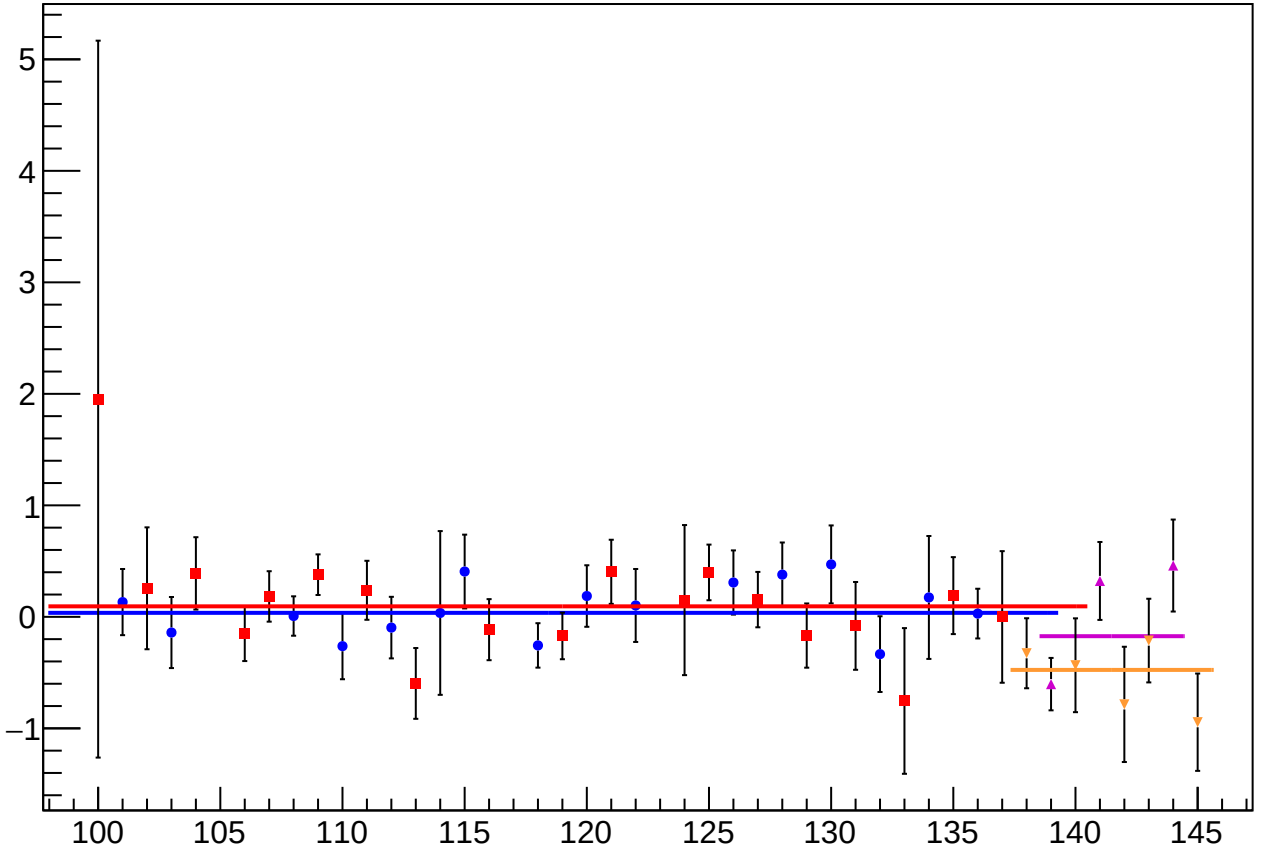
Left In: 0.005+/-0.000 χ^2/NDF:1363454.1/2

+ sign 0.007+/-0.000 χ^2/NDF: 7024335.7/20

All: 0.006+/-0.000 χ^2/NDF: 13200550.0/42

- sign 0.006+/-0.000 χ^2/NDF: 5980147.3/21

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

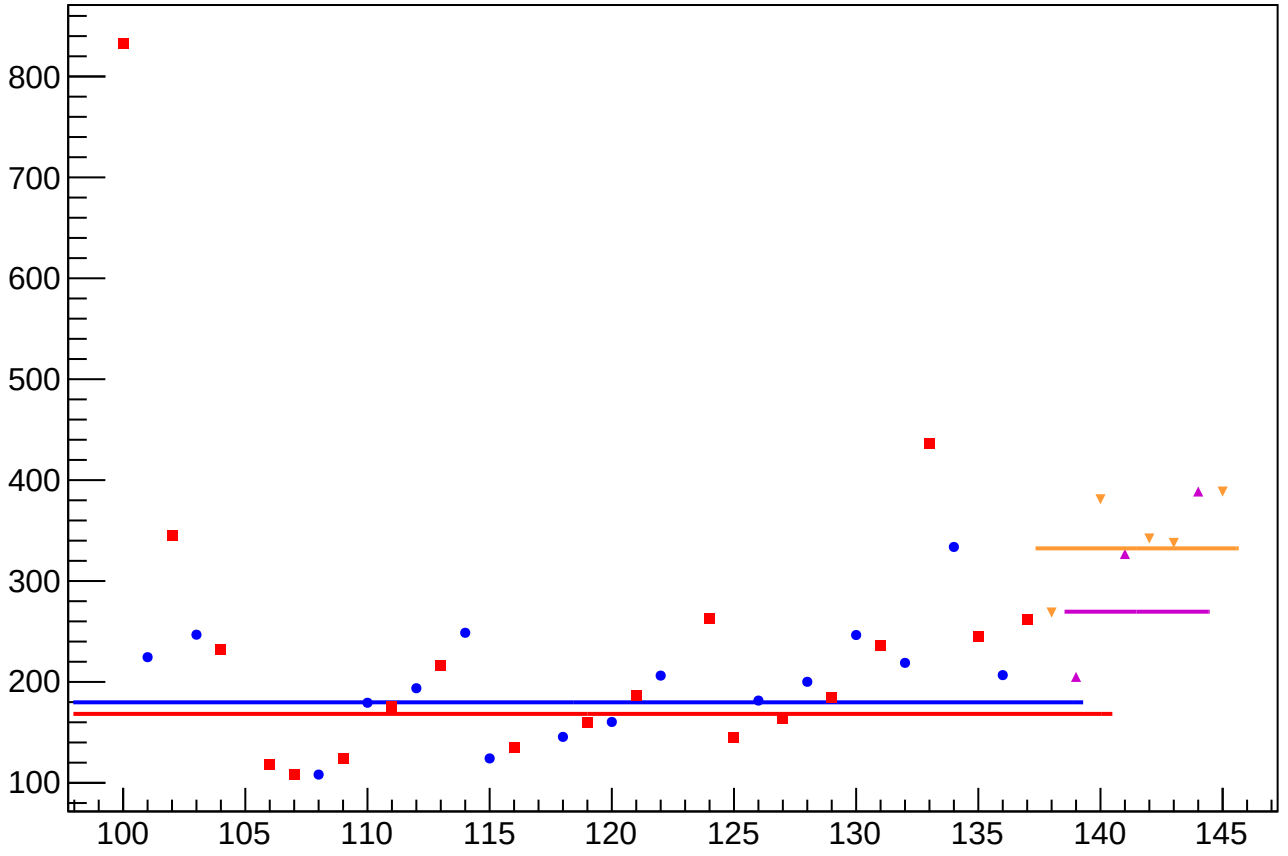
Left In: -0.173+/-0.176 χ^2/NDF:7.7/2

+ sign -0.034+/-0.066 χ^2/NDF: 20.0/20

All: 0.015+/-0.045 χ^2/NDF: 48.4/42

- sign 0.060+/-0.063 χ^2/NDF: 27.4/21

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

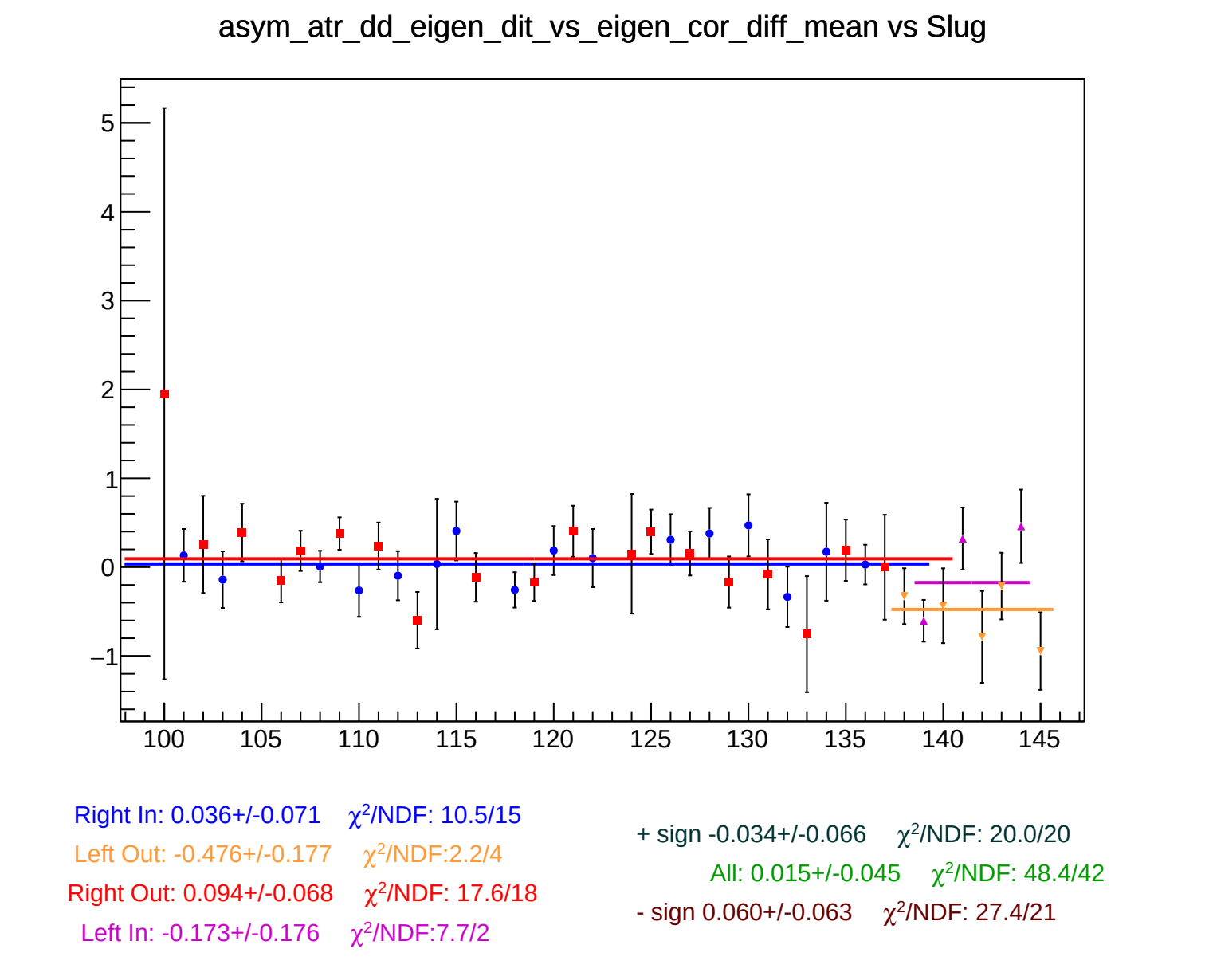
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

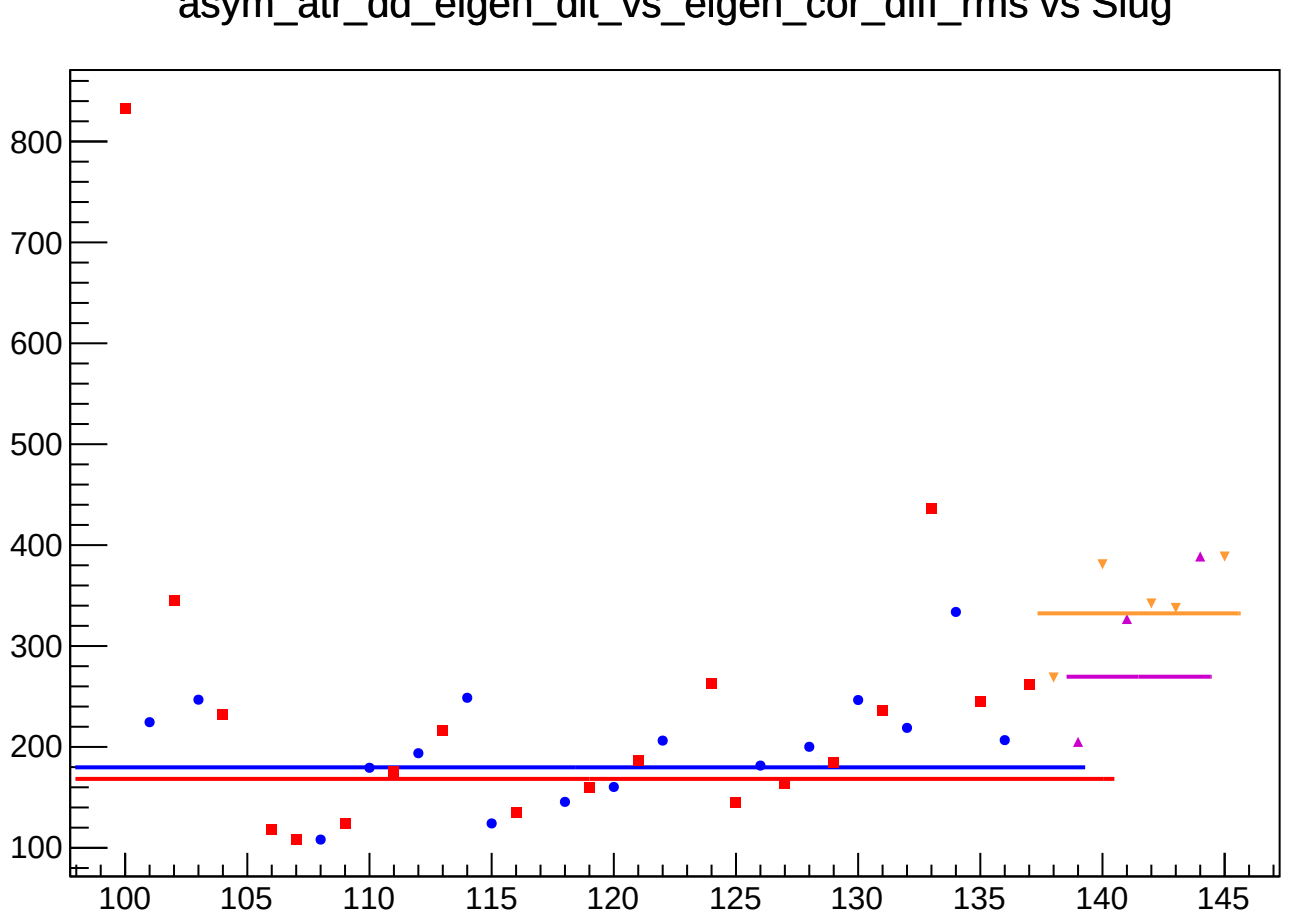
Left In: 269.598+/-0.125 χ^2/NDF:371386.8/2

+ sign 200.707+/-0.046 χ^2/NDF: 2342805.7/20

All: 190.651+/-0.032 χ^2/NDF: 4789209.7/42

- sign 181.321+/-0.045 χ^2/NDF: 2355697.9/21


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
145
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.476+/-0.177 χ²/NDF:2.2/4
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.173+/-0.176 χ²/NDF:7.7/2
+ sign -0.034+/-0.066 χ²/NDF: 20.0/20
All: 0.015+/-0.045 χ²/NDF: 48.4/42
- sign 0.060+/-0.063 χ²/NDF: 27.4/21



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

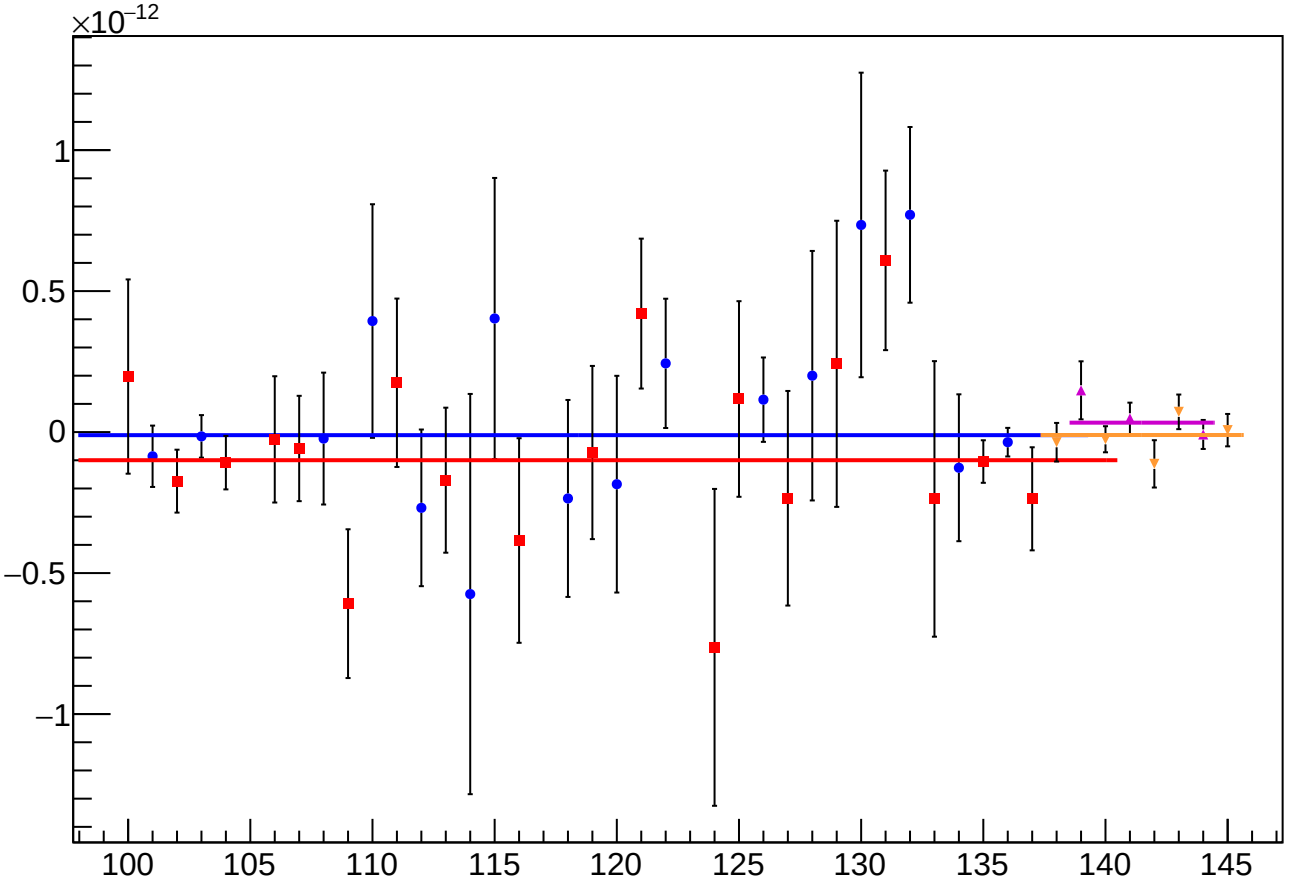
Left In: 269.598+/-0.125 χ^2/NDF:371386.8/2

+ sign 200.707+/-0.046 χ^2/NDF: 2342805.7/20

All: 190.651+/-0.032 χ^2/NDF: 4789209.7/42

- sign 181.321+/-0.045 χ^2/NDF: 2355697.9/21

asym_atr_dd_eigen_cor_vs_cor_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:3.6/4

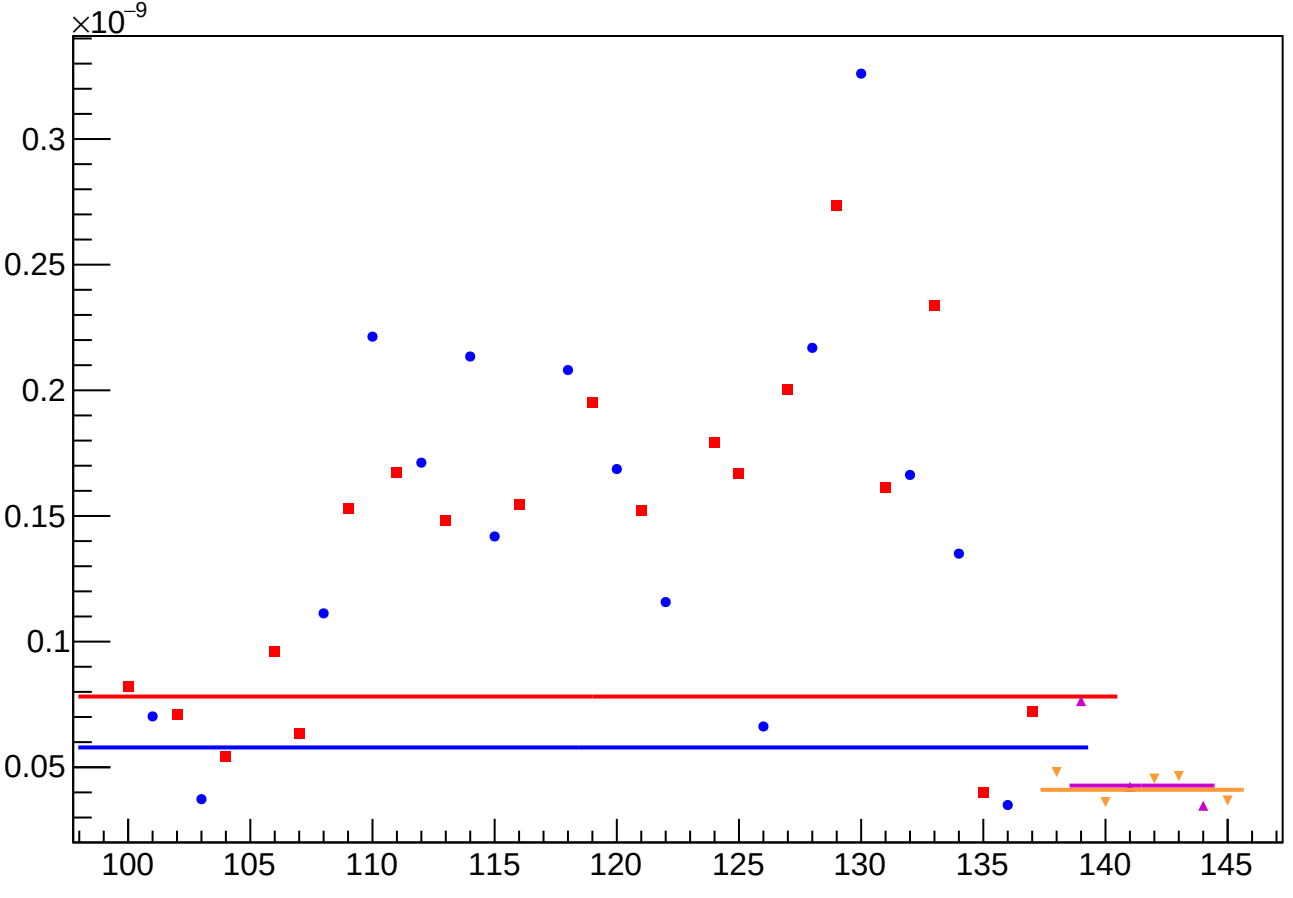
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 18.7/20

All: -0.000+/-0.000 χ^2/NDF: 45.0/42

- sign -0.000+/-0.000 χ^2/NDF: 26.2/21



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

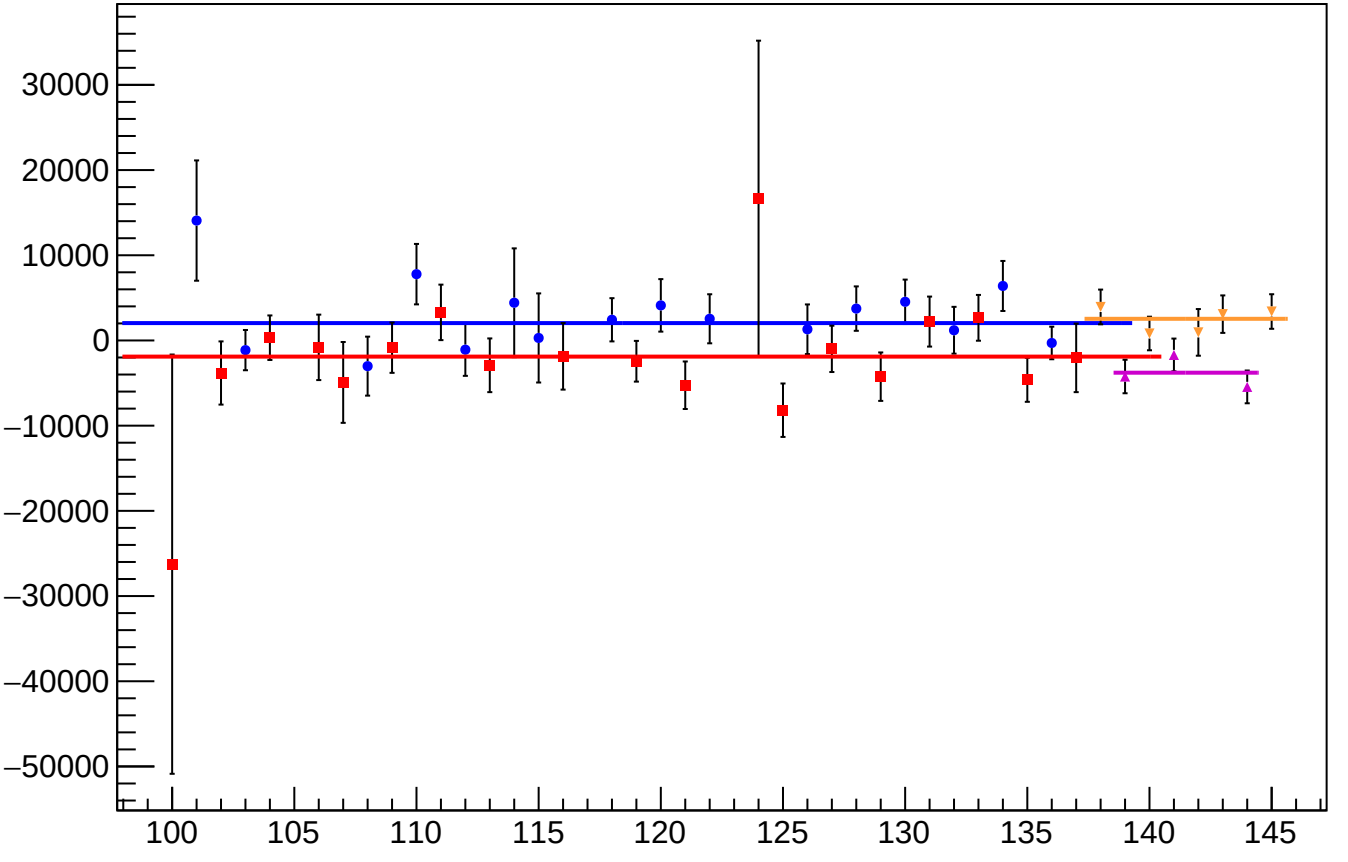
Left In: 0.000+/-0.000 χ^2/NDF:262124.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 3688534.8/20

All: 0.000+/-0.000 χ^2/NDF: 7686098.4/42

- sign 0.000+/-0.000 χ^2/NDF: 3823002.6/21

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

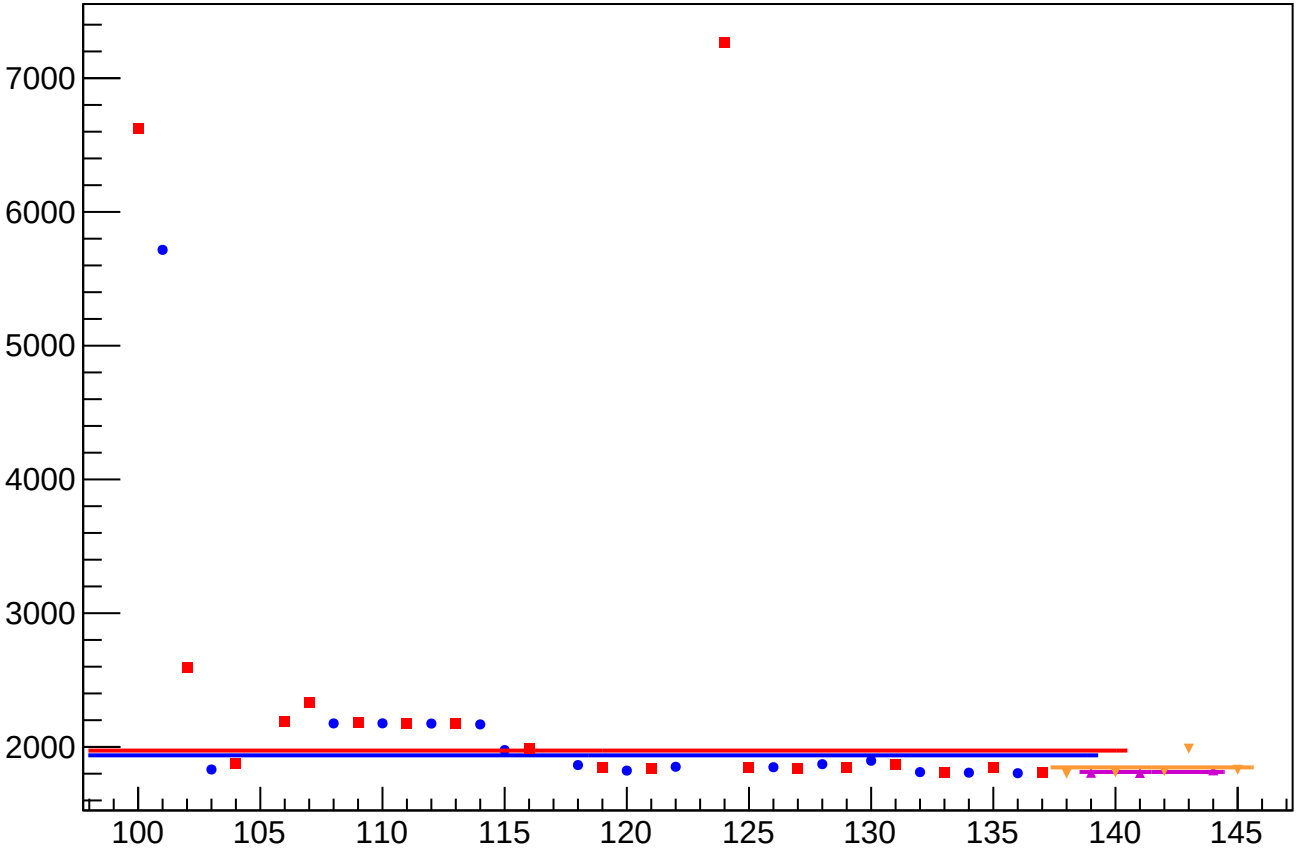
Left In: -3784.407+/-1117.377 χ^2/NDF:2.0/2

+ sign 2224.704+/-584.587 χ^2/NDF: 18.4/20

All: -2.278+/-423.738 χ^2/NDF: 71.5/42

- sign -2467.701+/-615.087 χ^2/NDF: 22.5/21

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

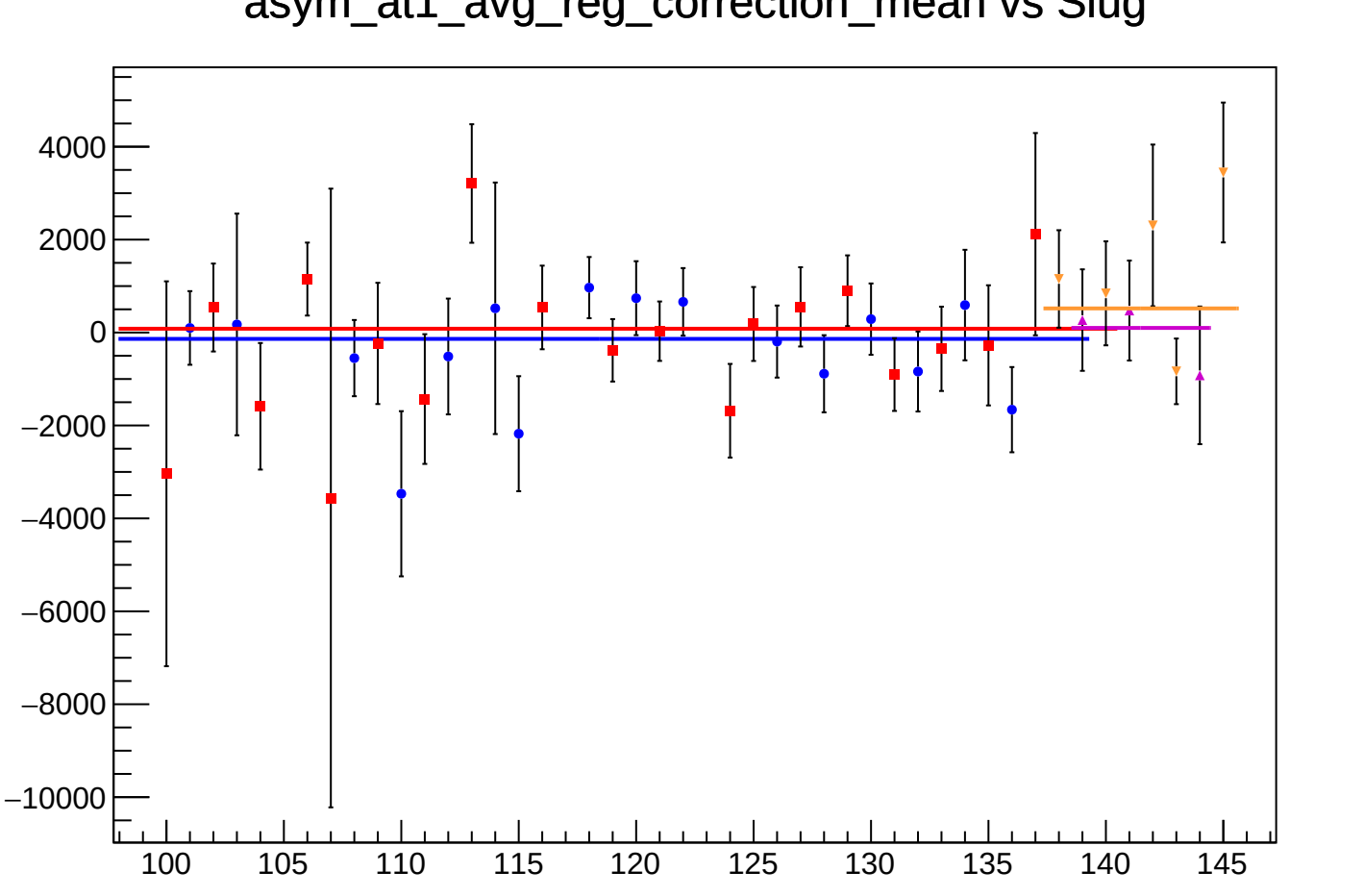
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1812.739+/-0.790 χ^2/NDF:126.5/2

+ sign 1903.928+/-0.413 χ^2/NDF: 659396.6/20

All: 1913.583+/-0.300 χ^2/NDF: 1066798.7/42

- sign 1924.270+/-0.435 χ^2/NDF: 406252.8/21



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

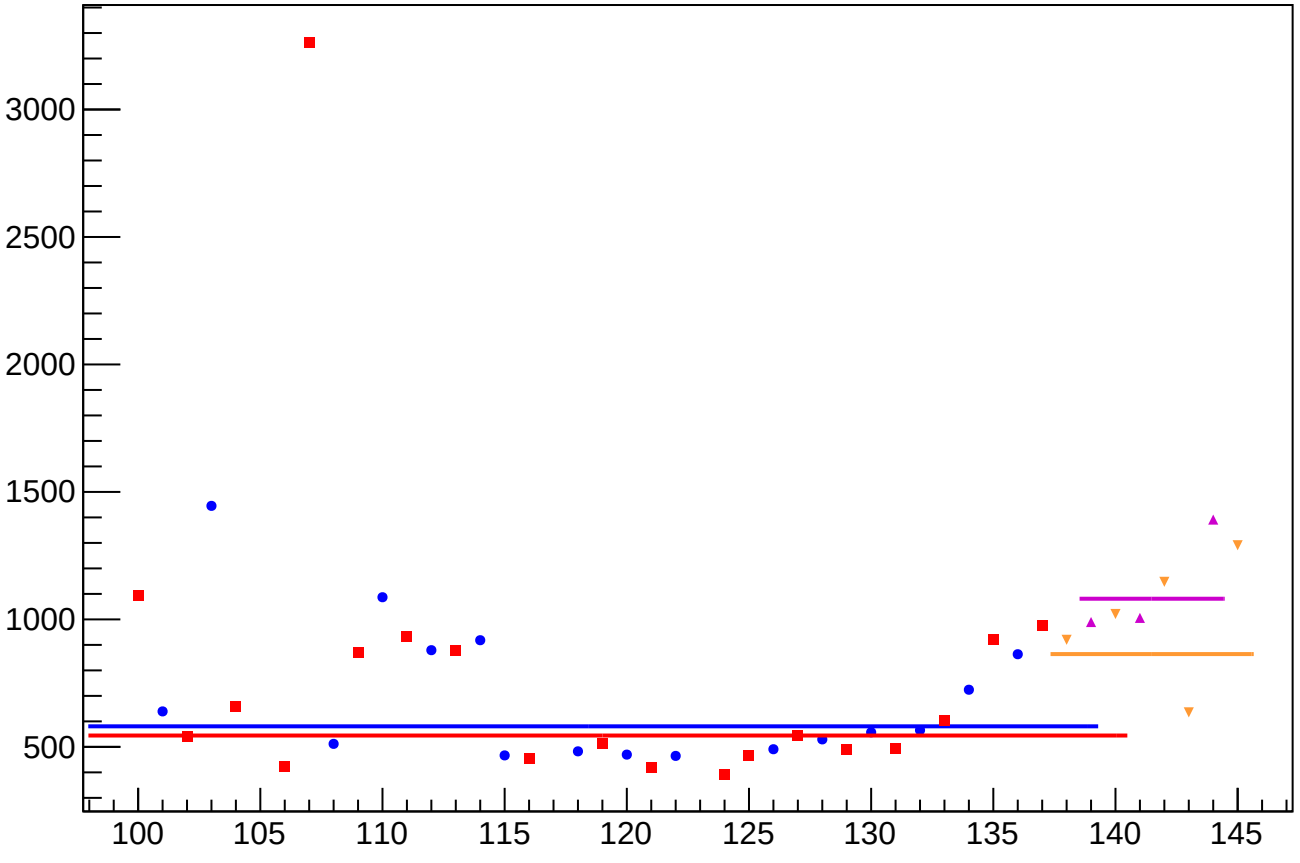
Left In: 99.257+/-680.643 χ^2/NDF:0.6/2

+ sign -10.473+/-207.092 χ^2/NDF: 27.4/20

All: 35.828+/-147.824 χ^2/NDF: 47.9/42

- sign 83.927+/-211.073 χ^2/NDF: 20.4/21

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

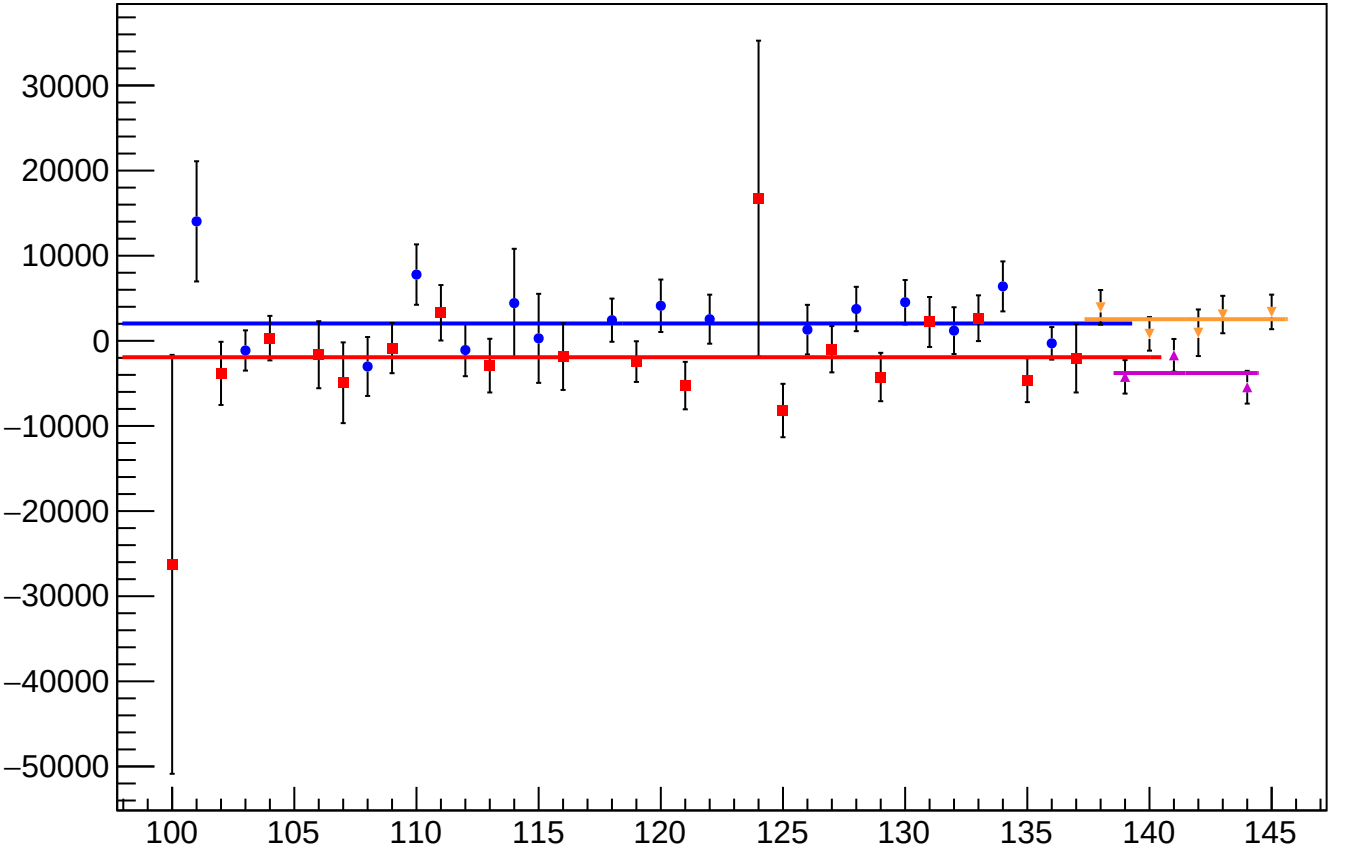
Left In: 1081.081+/-0.481 χ^2/NDF:111583.6/2

+ sign 635.104+/-0.146 χ^2/NDF: 2053660.6/20

All: 615.988+/-0.105 χ^2/NDF: 4610948.1/42

- sign 596.129+/-0.149 χ^2/NDF: 2522542.4/21

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

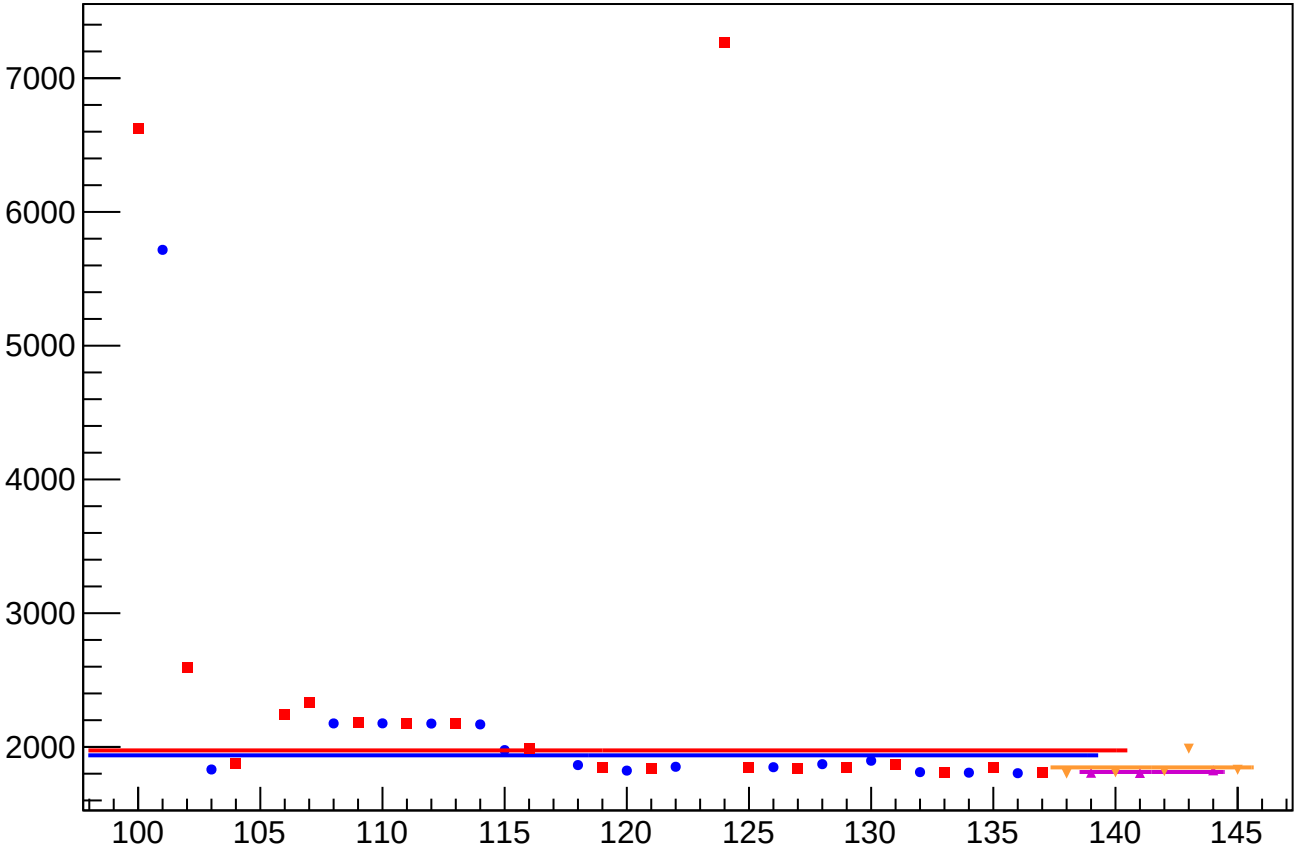
Left In: -3784.710+/-1117.377 χ^2/NDF:2.0/2

+ sign 2224.549+/-584.587 χ^2/NDF: 18.4/20

All: -11.551+/-423.861 χ^2/NDF: 71.6/42

- sign -2490.105+/-615.464 χ^2/NDF: 22.3/21

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

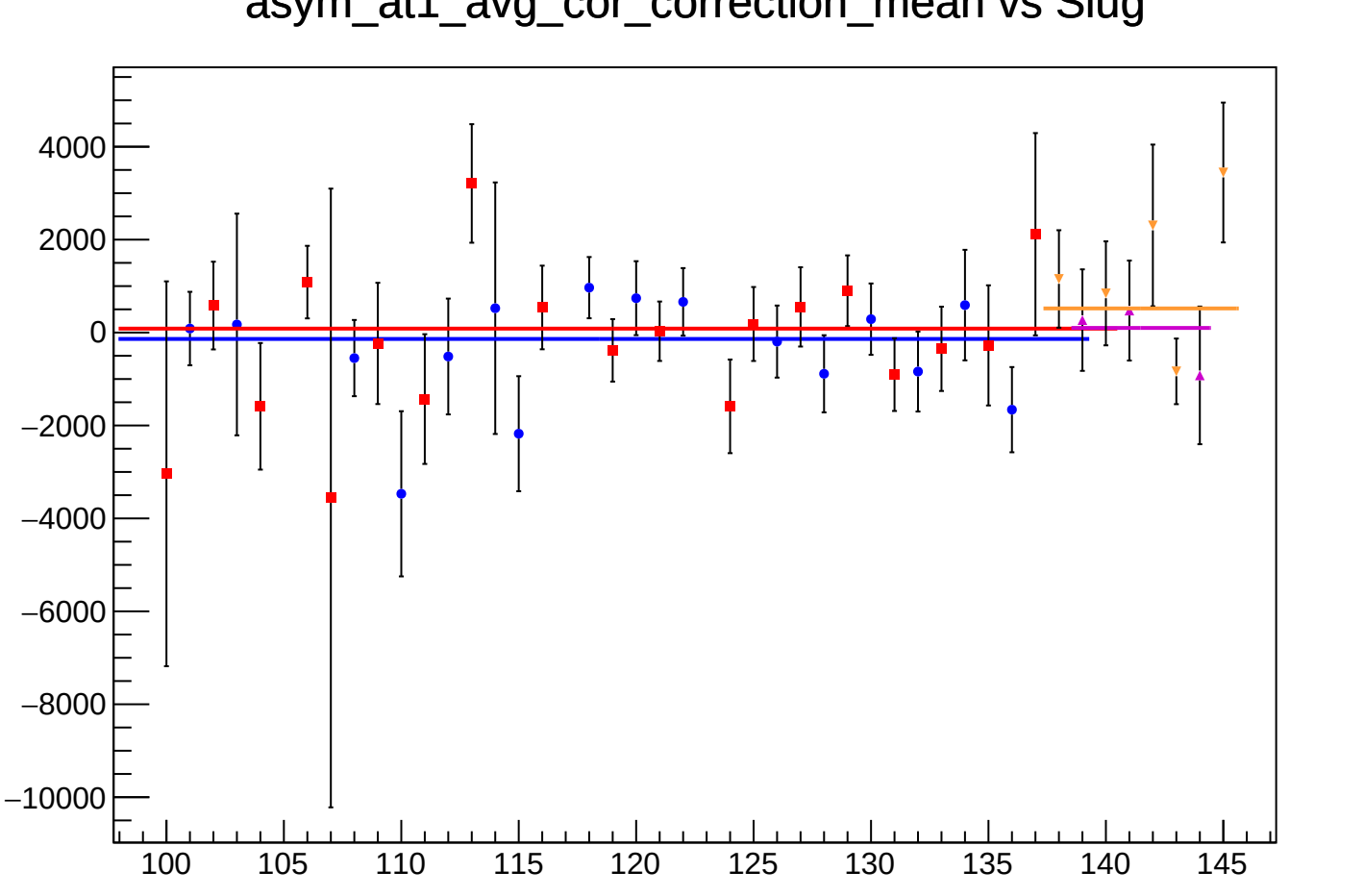
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.739+/-0.790 χ^2/NDF:126.5/2

+ sign 1903.928+/-0.413 χ^2/NDF: 659396.6/20

All: 1914.009+/-0.300 χ^2/NDF: 1070281.9/42

- sign 1925.182+/-0.435 χ^2/NDF: 409631.3/21



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

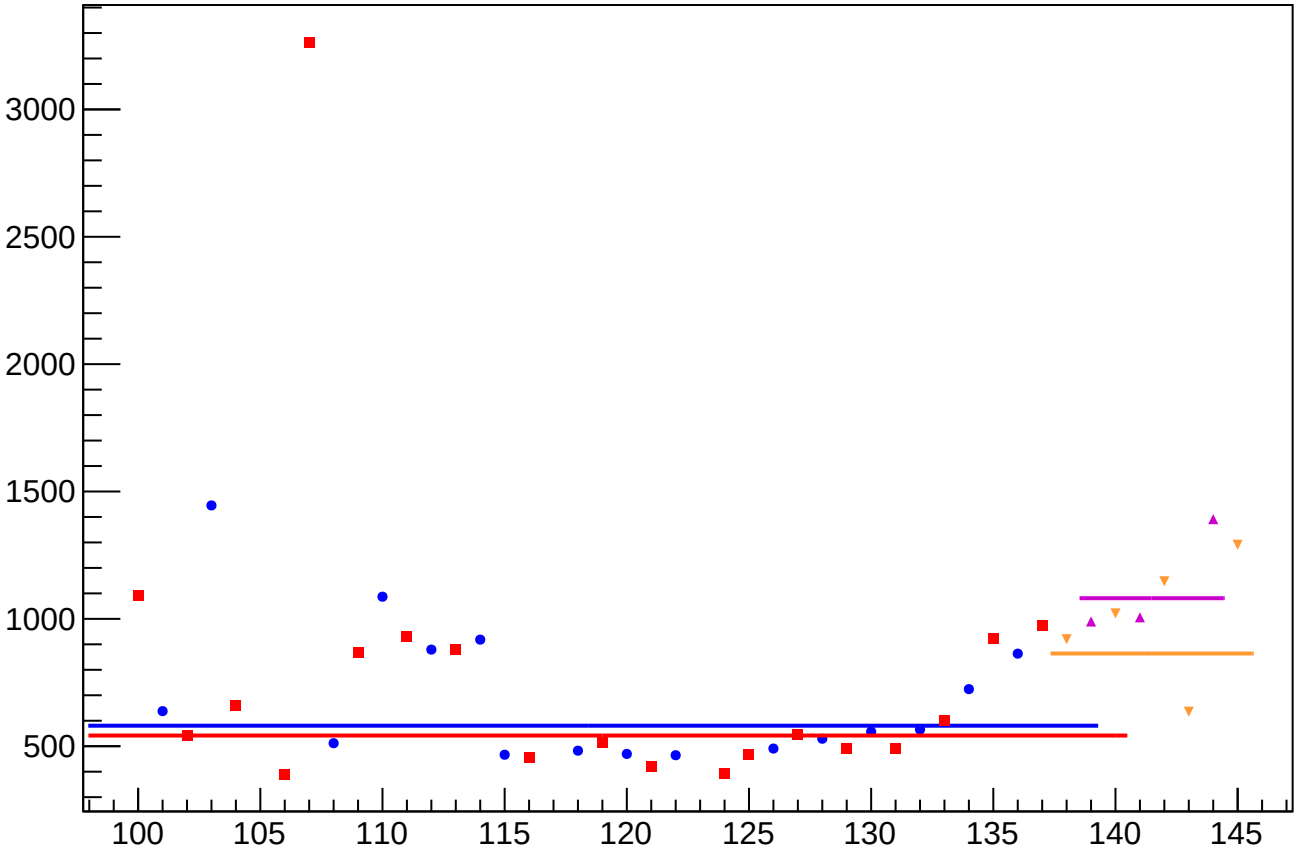
Left In: 99.224+/-680.648 χ^2/NDF:0.6/2

+ sign -11.174+/-207.056 χ^2/NDF: 27.4/20

All: 36.663+/-147.770 χ^2/NDF: 47.4/42

- sign 86.319+/-210.955 χ^2/NDF: 19.9/21

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

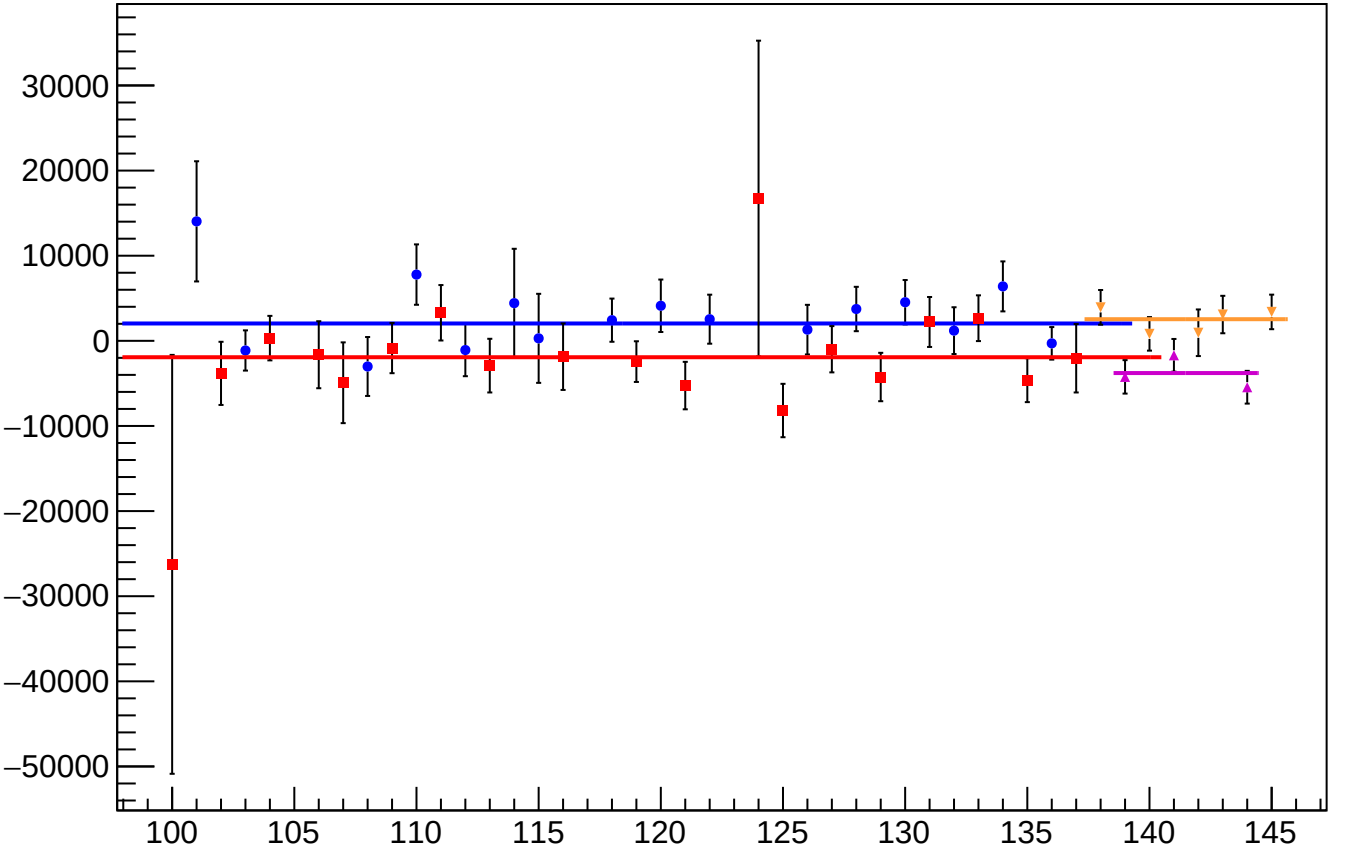
Left In: 1081.088+/-0.481 χ^2/NDF:111582.4/2

+ sign 635.011+/-0.146 χ^2/NDF: 2053555.9/20

All: 614.755+/-0.104 χ^2/NDF: 4657341.4/42

- sign 593.728+/-0.149 χ^2/NDF: 2564775.5/21

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

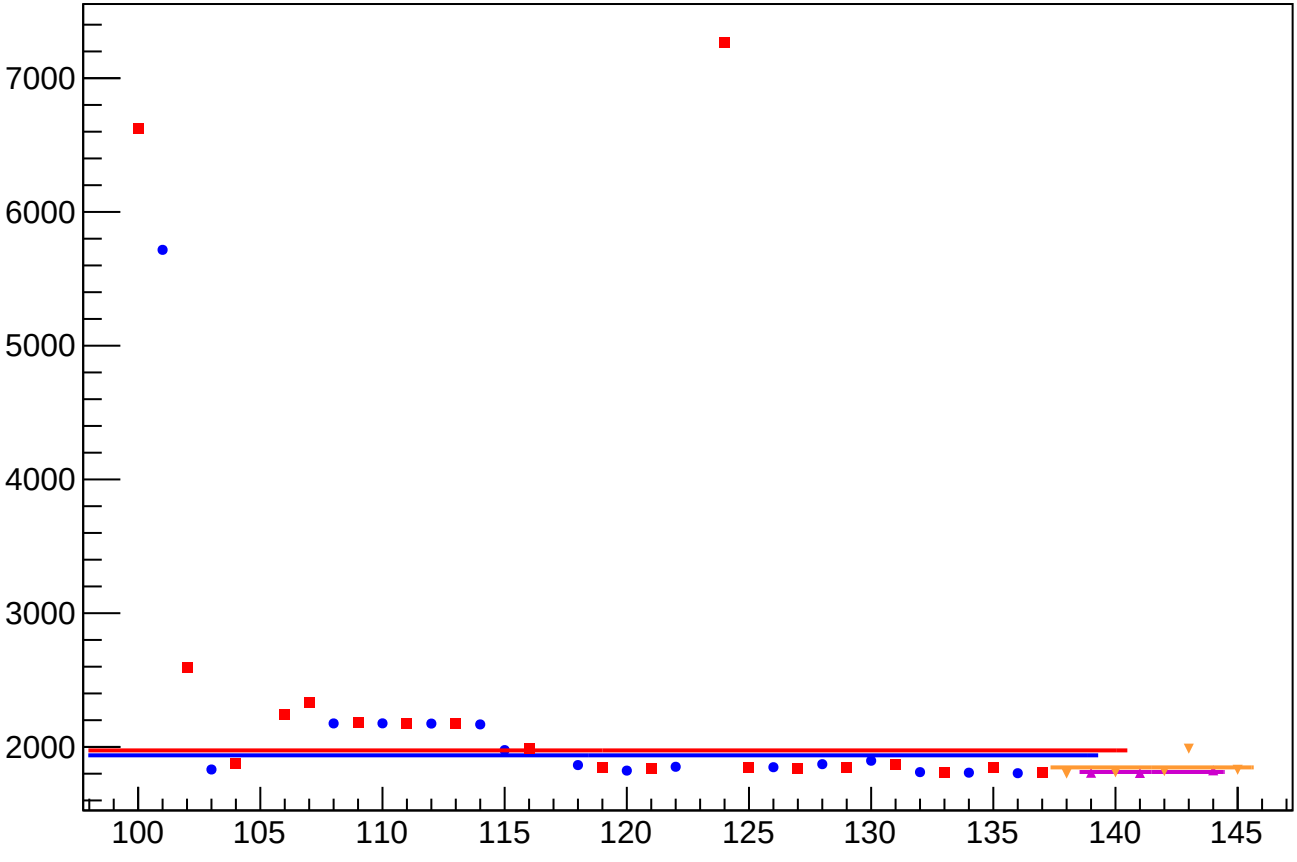
Left In: -3784.710+/-1117.377 χ^2/NDF:2.0/2

+ sign 2224.549+/-584.587 χ^2/NDF: 18.4/20

All: -11.551+/-423.861 χ^2/NDF: 71.6/42

- sign -2490.105+/-615.464 χ^2/NDF: 22.3/21

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

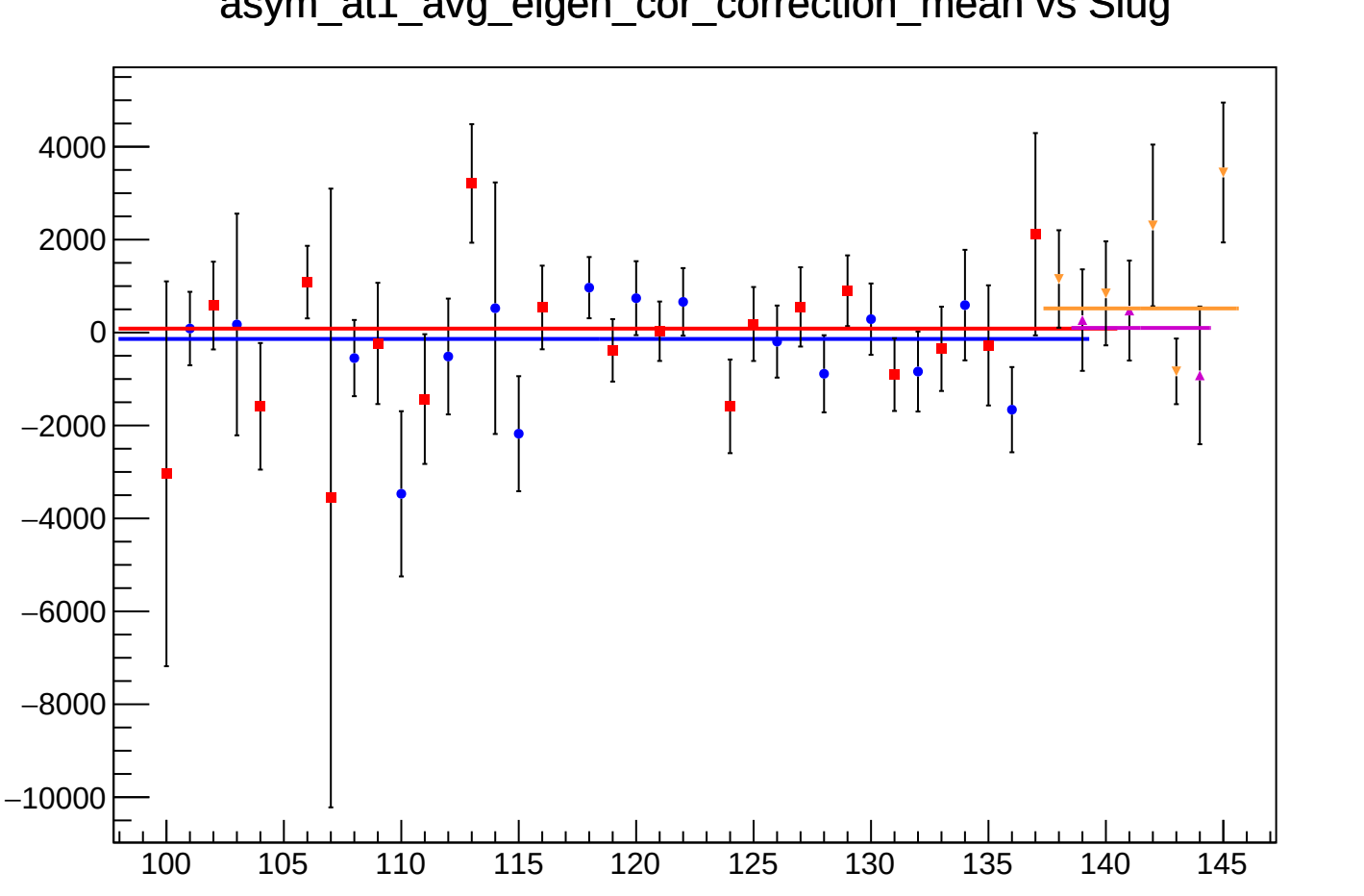
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.739+/-0.790 χ^2/NDF:126.5/2

+ sign 1903.928+/-0.413 χ^2/NDF: 659396.6/20

All: 1914.009+/-0.300 χ^2/NDF: 1070281.9/42

- sign 1925.182+/-0.435 χ^2/NDF: 409631.3/21



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

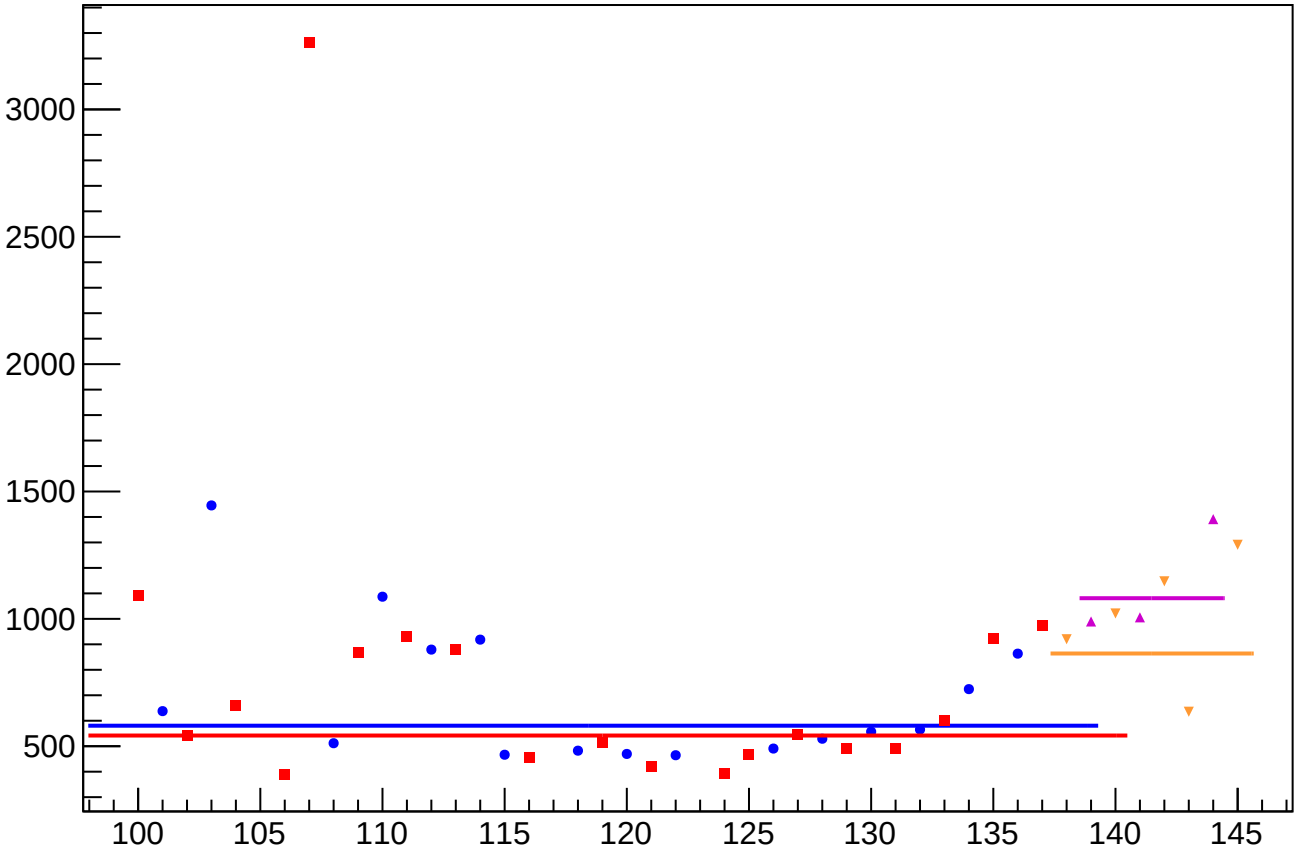
Left In: 99.224+/-680.648 χ^2/NDF:0.6/2

+ sign -11.174+/-207.056 χ^2/NDF: 27.4/20

All: 36.663+/-147.770 χ^2/NDF: 47.4/42

- sign 86.319+/-210.955 χ^2/NDF: 19.9/21

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

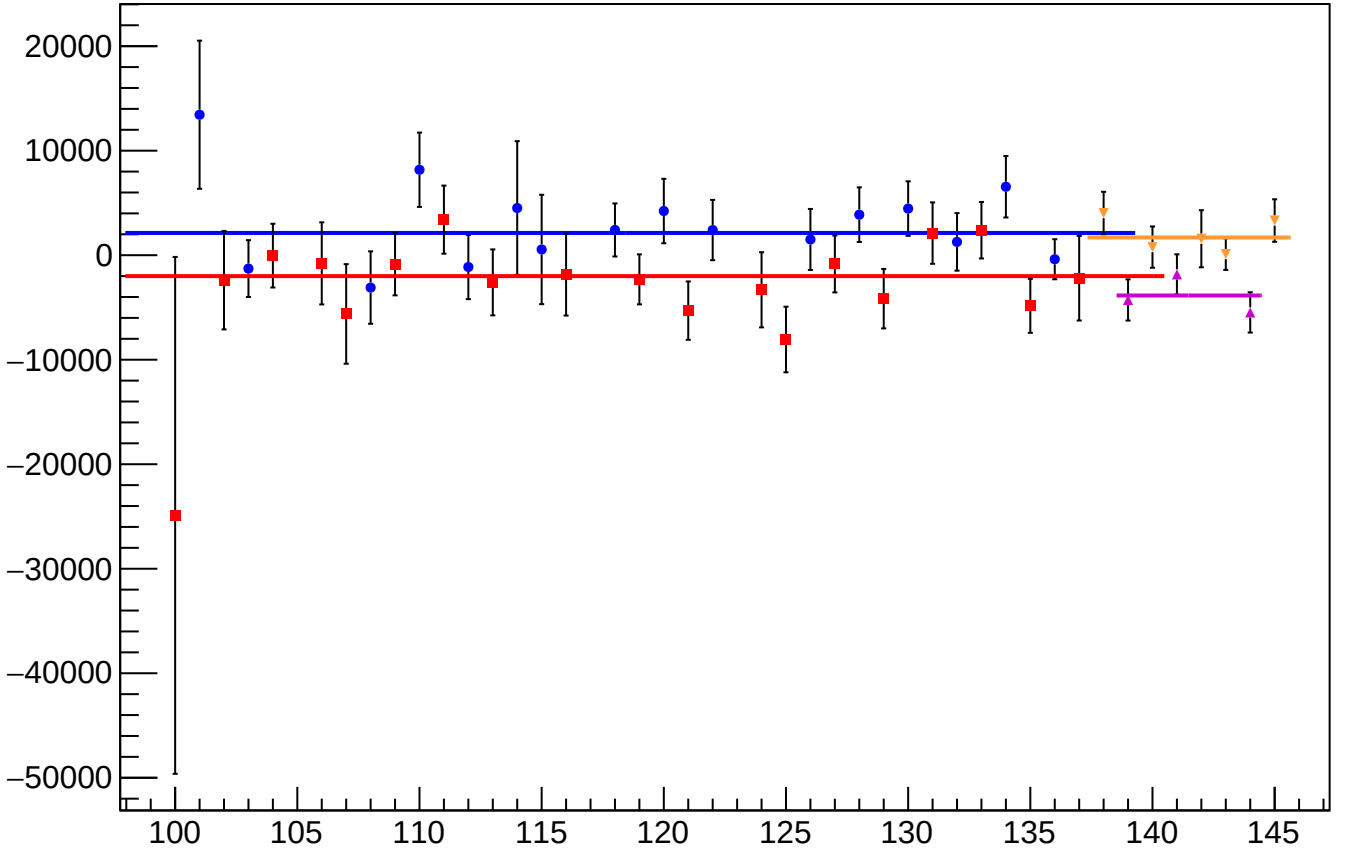
Left In: 1081.088+/-0.481 χ^2/NDF:111582.4/2

+ sign 635.011+/-0.146 χ^2/NDF: 2053555.9/20

All: 614.755+/-0.104 χ^2/NDF: 4657341.4/42

- sign 593.728+/-0.149 χ^2/NDF: 2564775.5/21

dit_asym_at1_avg_mean vs Slug



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

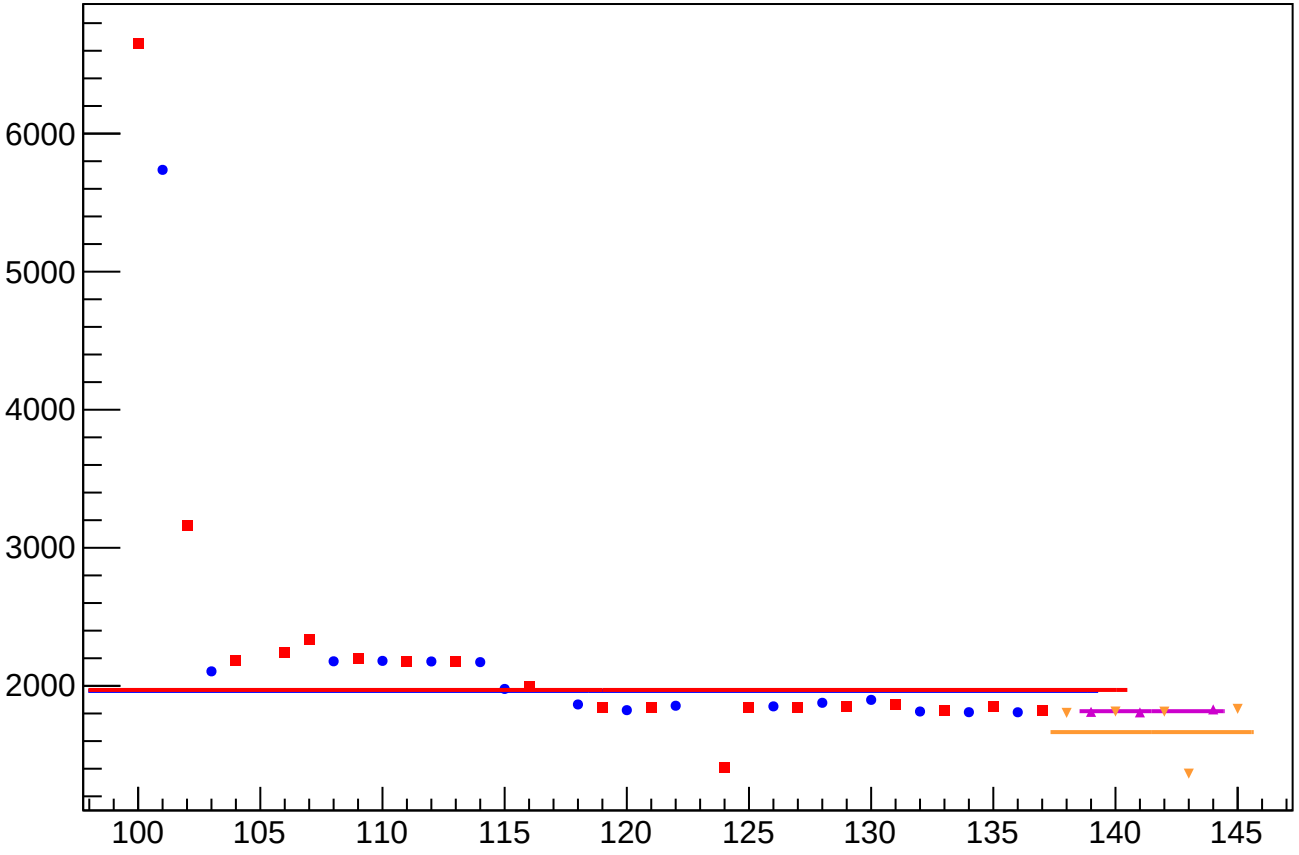
Left In: -3854.728+/-1119.820 χ^2/NDF:1.9/2

+ sign 1945.720+/-567.408 χ^2/NDF: 19.9/20

All: -124.430+/-417.262 χ^2/NDF: 69.4/42

- sign -2562.322+/-615.746 χ^2/NDF: 20.5/21

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

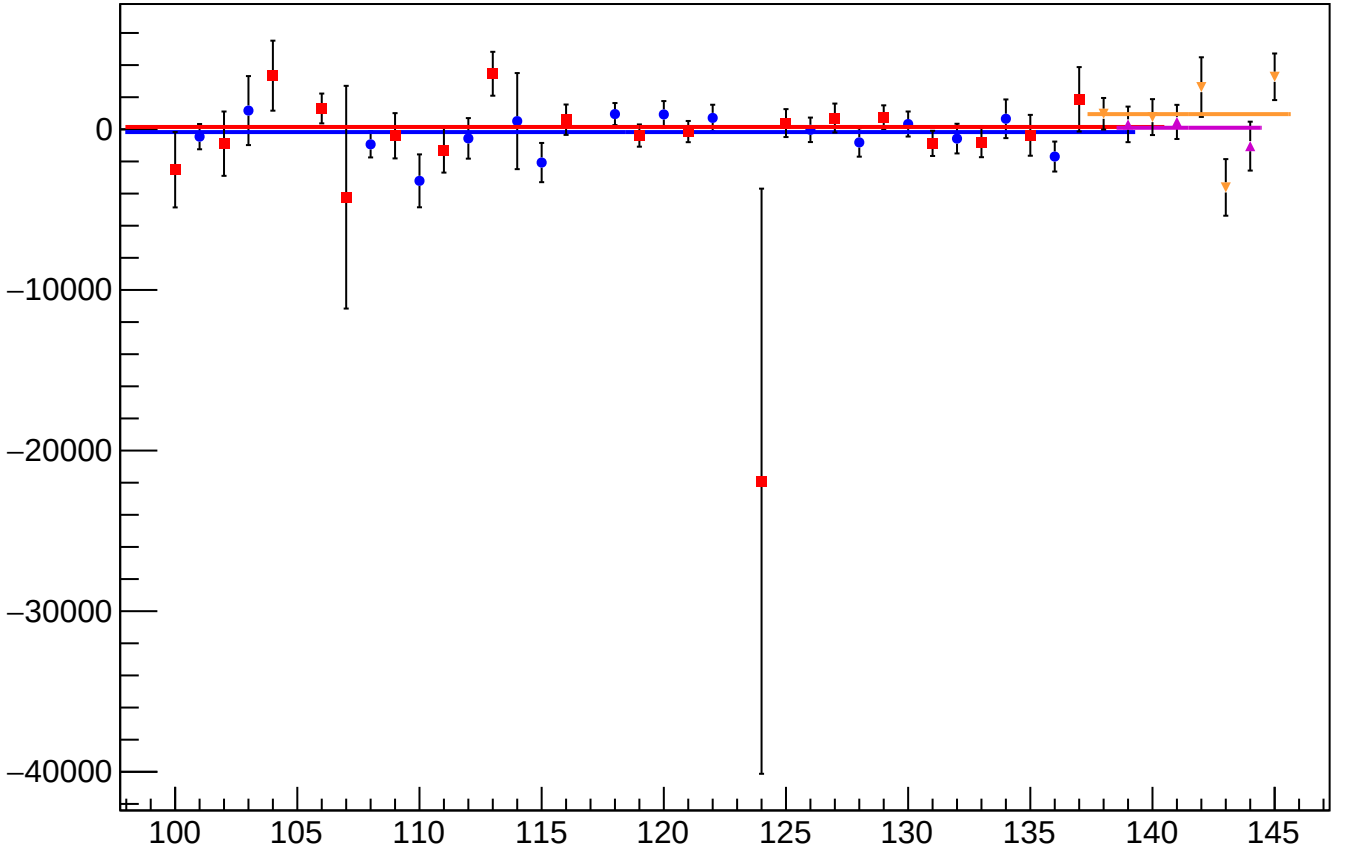
Left In: 1816.608+/-0.792 χ^2/NDF:141.4/2

+ sign 1837.596+/-0.401 χ^2/NDF: 894655.2/20

All: 1877.248+/-0.295 χ^2/NDF: 1287535.9/42

- sign 1923.943+/-0.435 χ^2/NDF: 371612.0/21

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

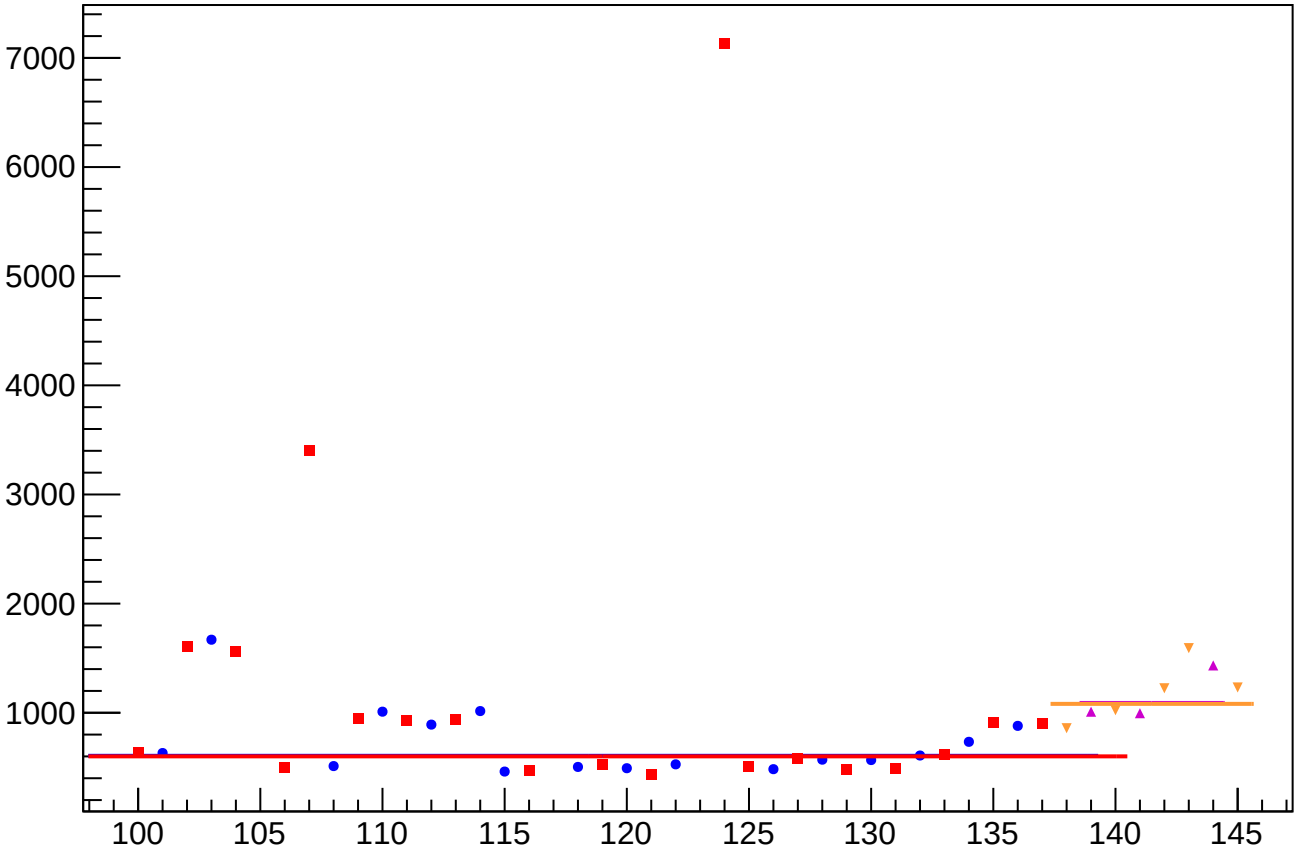
Left In: 98.085+/-684.669 χ^2/NDF:0.7/2

+ sign -13.320+/-219.592 χ^2/NDF: 30.5/20

All: 61.111+/-158.456 χ^2/NDF: 51.6/42

- sign 141.969+/-228.877 χ^2/NDF: 20.8/21

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

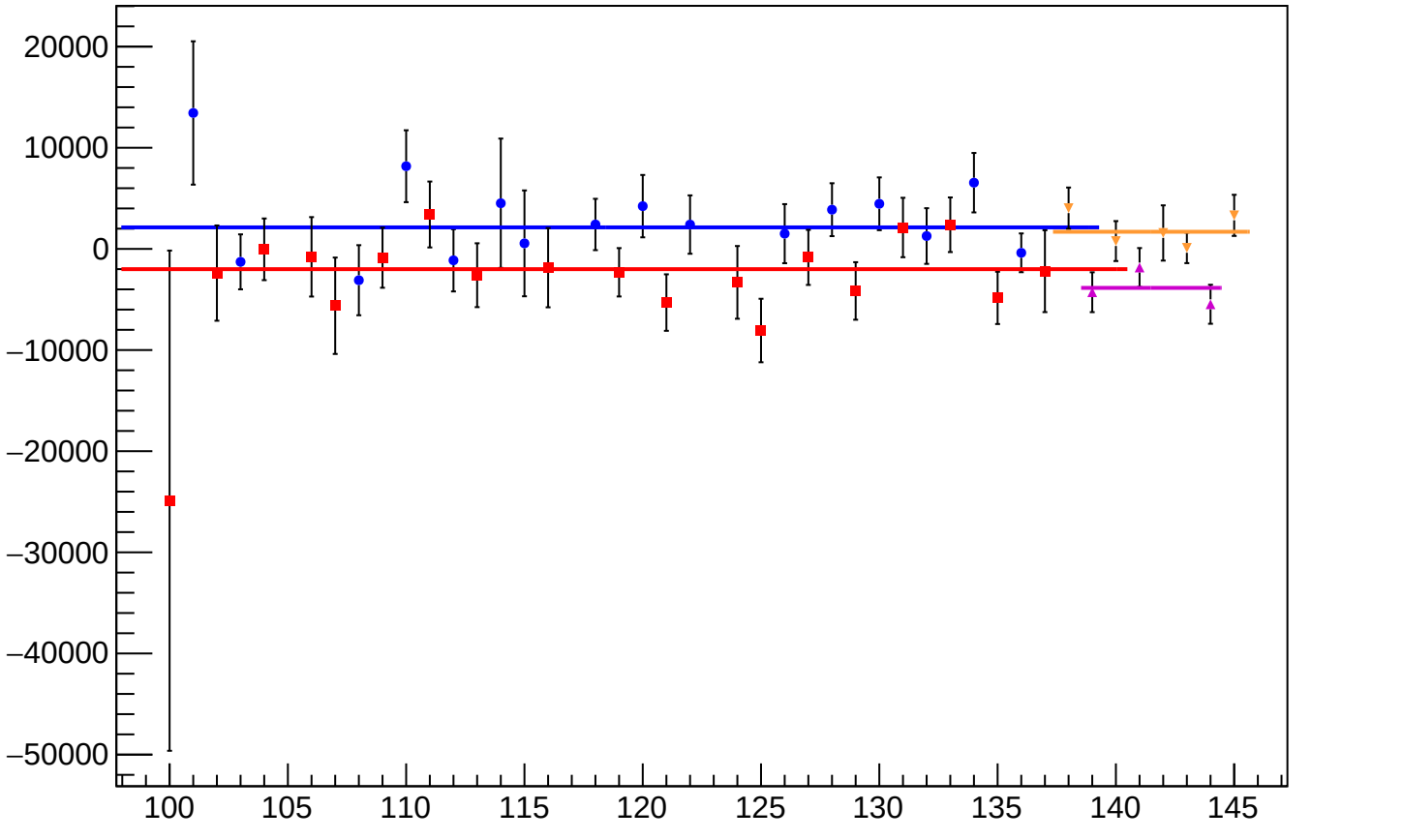
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 1089.751+/-0.484 χ^2/NDF:128078.6/2

+ sign 672.482+/-0.155 χ^2/NDF: 2609348.6/20

All: 664.163+/-0.112 χ^2/NDF: 5979263.8/42

- sign 655.126+/-0.162 χ^2/NDF: 3363926.5/21



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

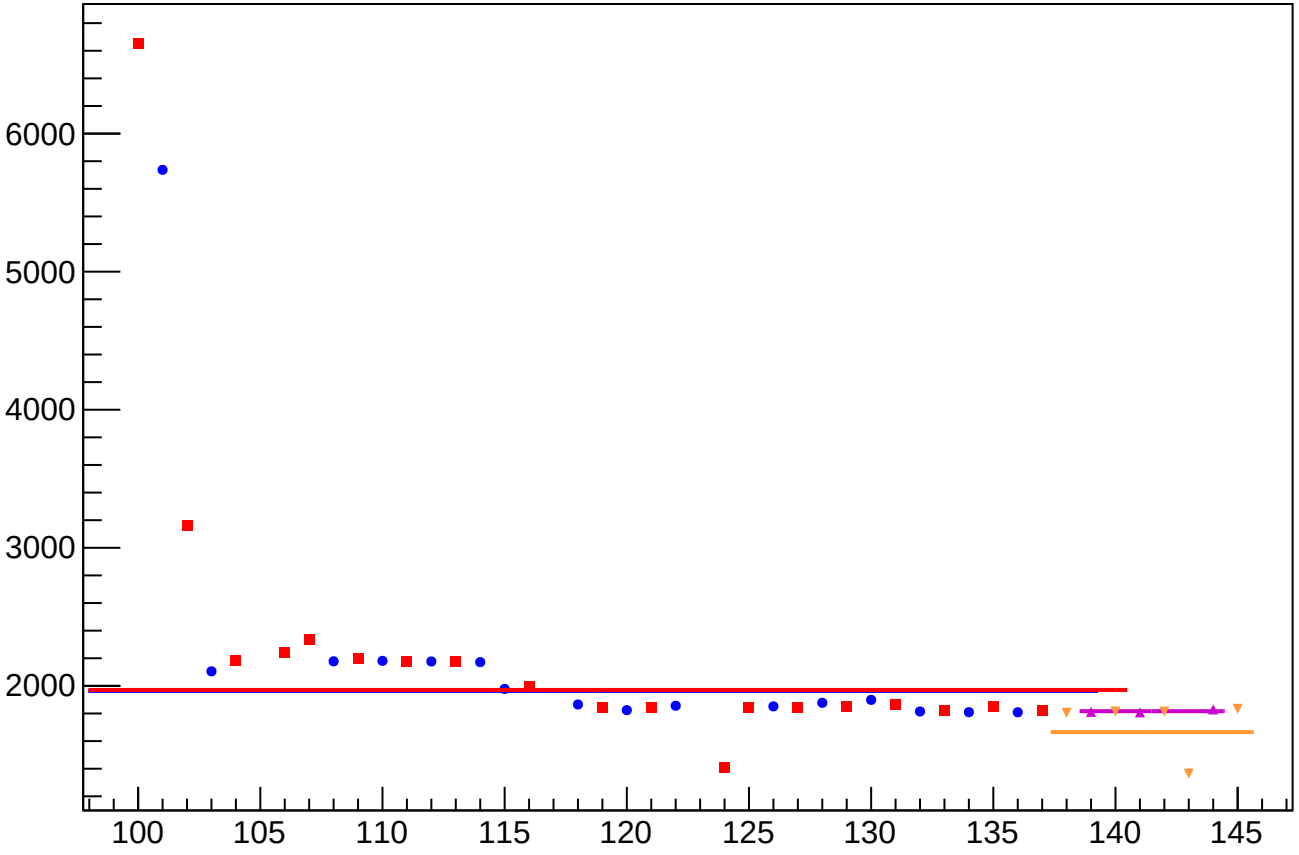
Left In: -3854.728+/-1119.820 χ^2/NDF:1.9/2

\+ sign 1945.720+/-567.408 χ^2/NDF: 19.9/20

All: -124.429+/-417.262 χ^2/NDF: 69.4/42

\- sign -2562.321+/-615.746 χ^2/NDF: 20.5/21

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

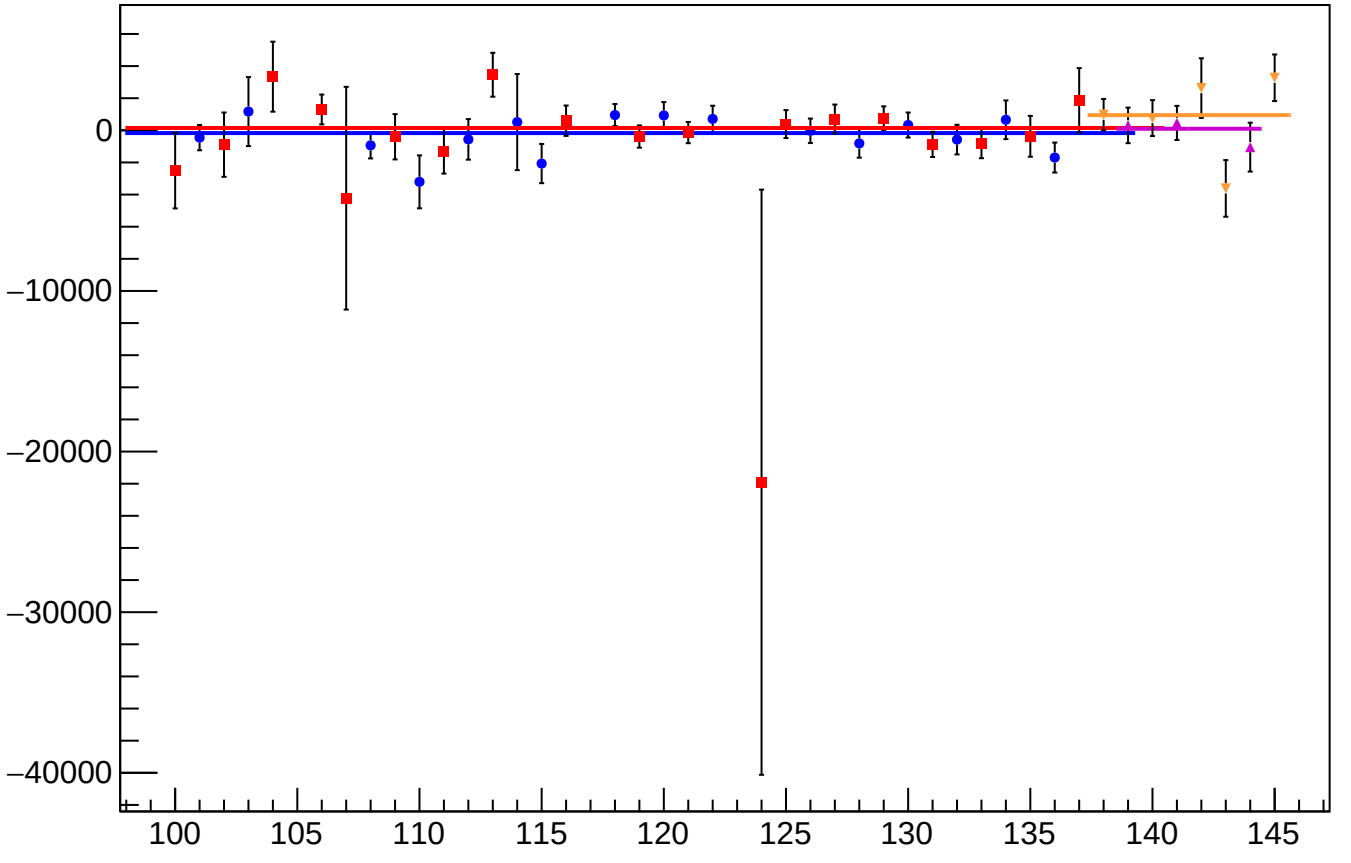
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.608+/-0.792 χ^2/NDF:141.4/2

+ sign 1837.596+/-0.401 χ^2/NDF: 894654.7/20

All: 1877.247+/-0.295 χ^2/NDF: 1287534.0/42

- sign 1923.942+/-0.435 χ^2/NDF: 371610.7/21



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

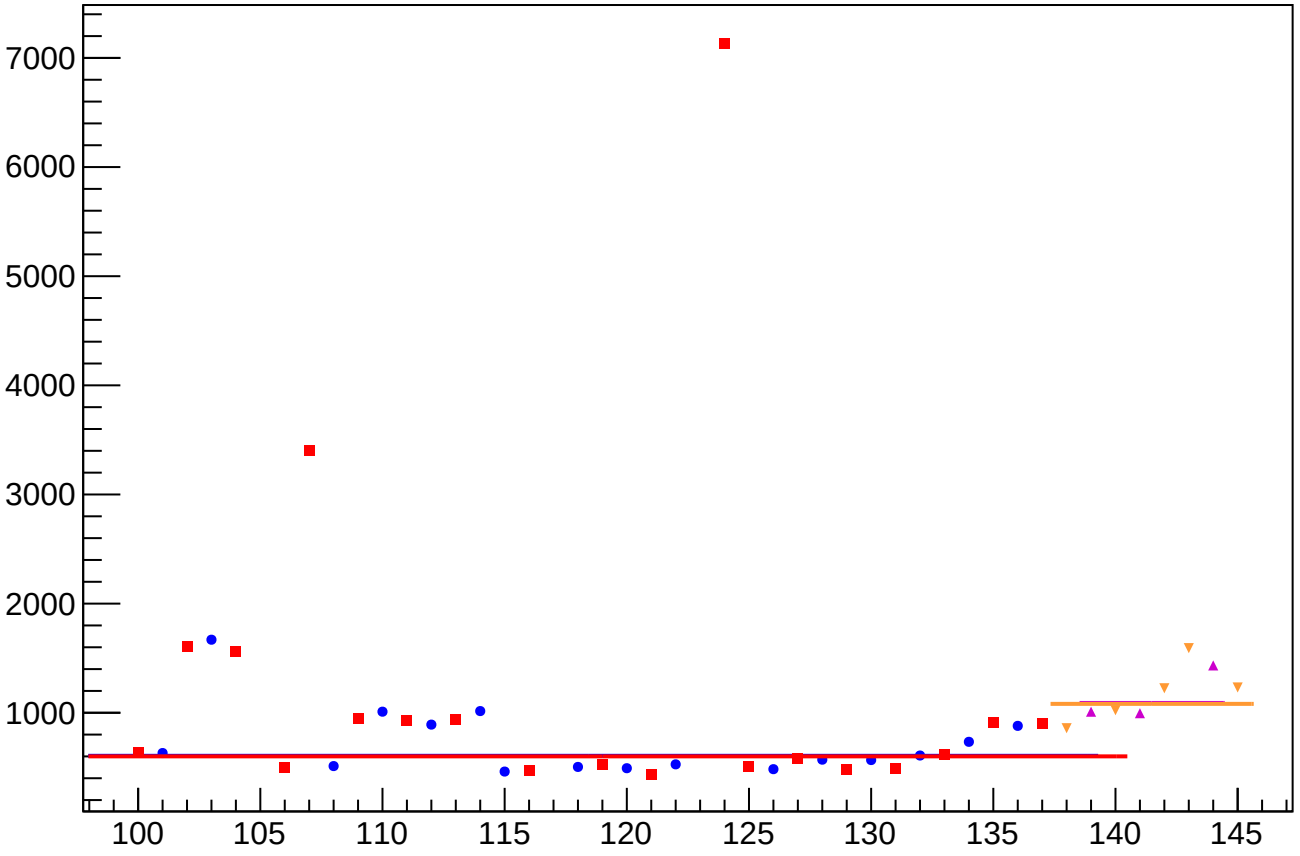
Left In: 98.087+/-684.669 χ^2/NDF:0.7/2

+ sign -13.319+/-219.592 χ^2/NDF: 30.5/20

All: 61.111+/-158.456 χ^2/NDF: 51.6/42

- sign 141.968+/-228.877 χ^2/NDF: 20.8/21

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

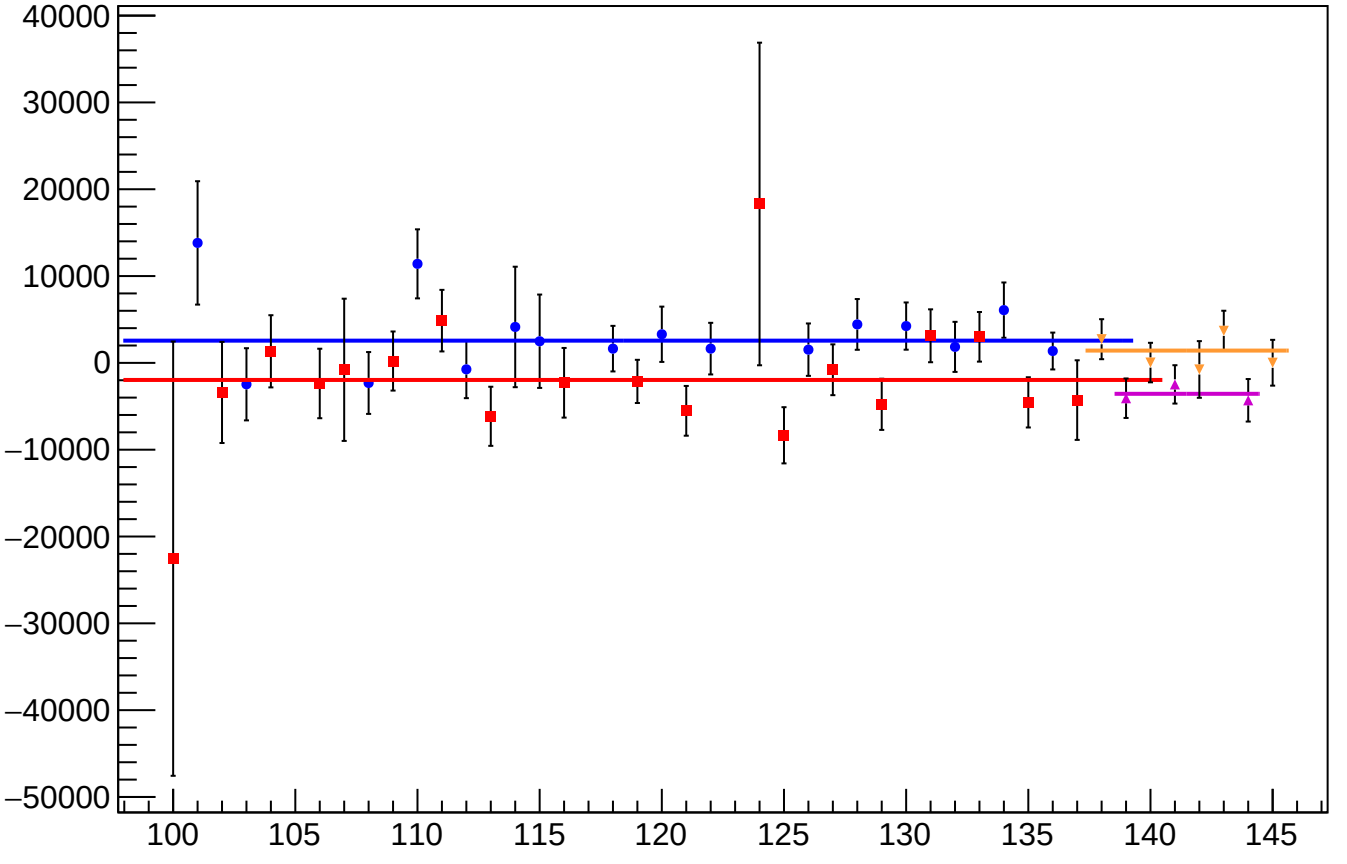
Left In: 1089.752+/-0.484 χ^2/NDF:128079.3/2

+ sign 672.481+/-0.155 χ^2/NDF: 2609364.3/20

All: 664.162+/-0.112 χ^2/NDF: 5979293.2/42

- sign 655.125+/-0.162 χ^2/NDF: 3363940.3/21

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

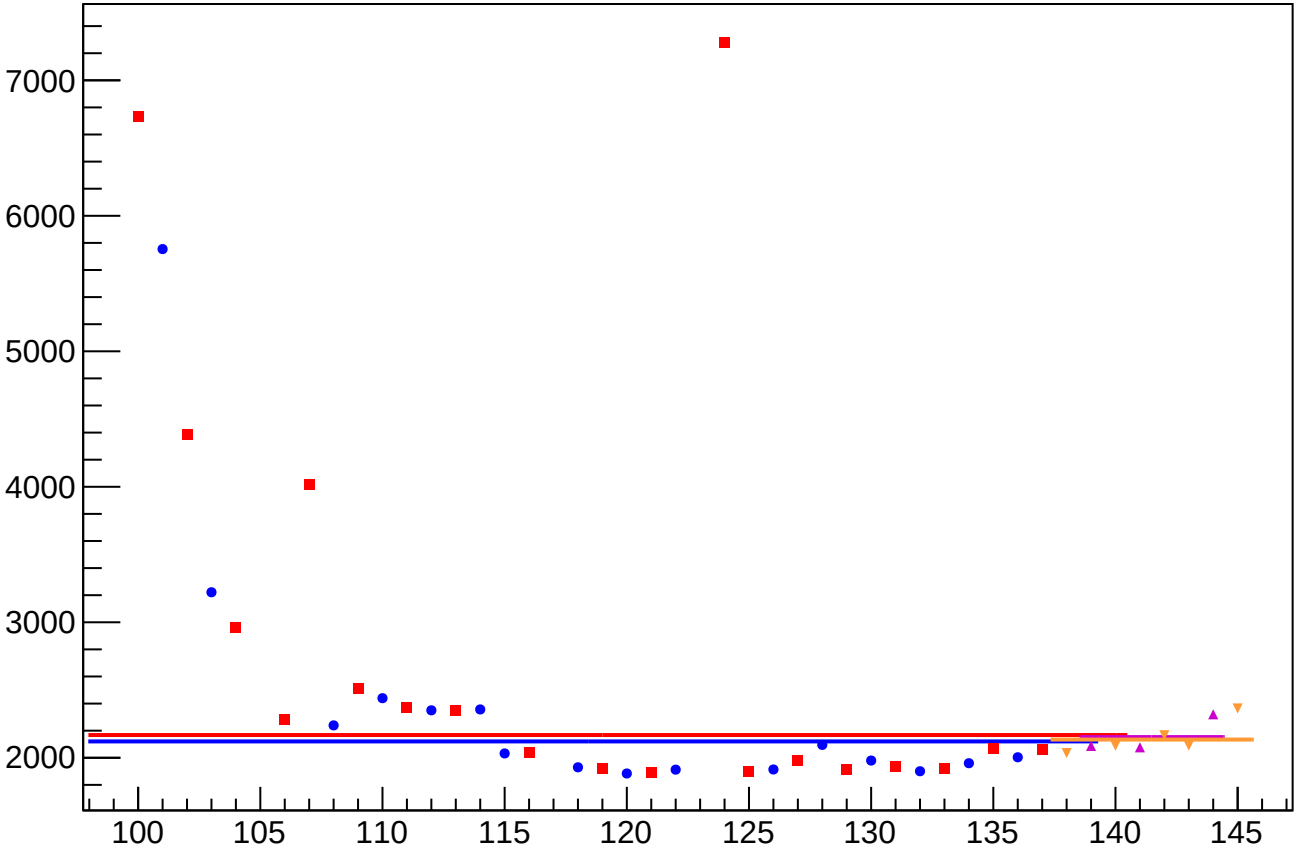
Left In: -3563.128+/-1330.304 χ^2/NDF:0.4/2

+ sign 2165.589+/-654.925 χ^2/NDF: 17.7/20

All: 23.296+/-477.388 χ^2/NDF: 63.5/42

- sign -2405.374+/-697.327 χ^2/NDF: 23.0/21

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

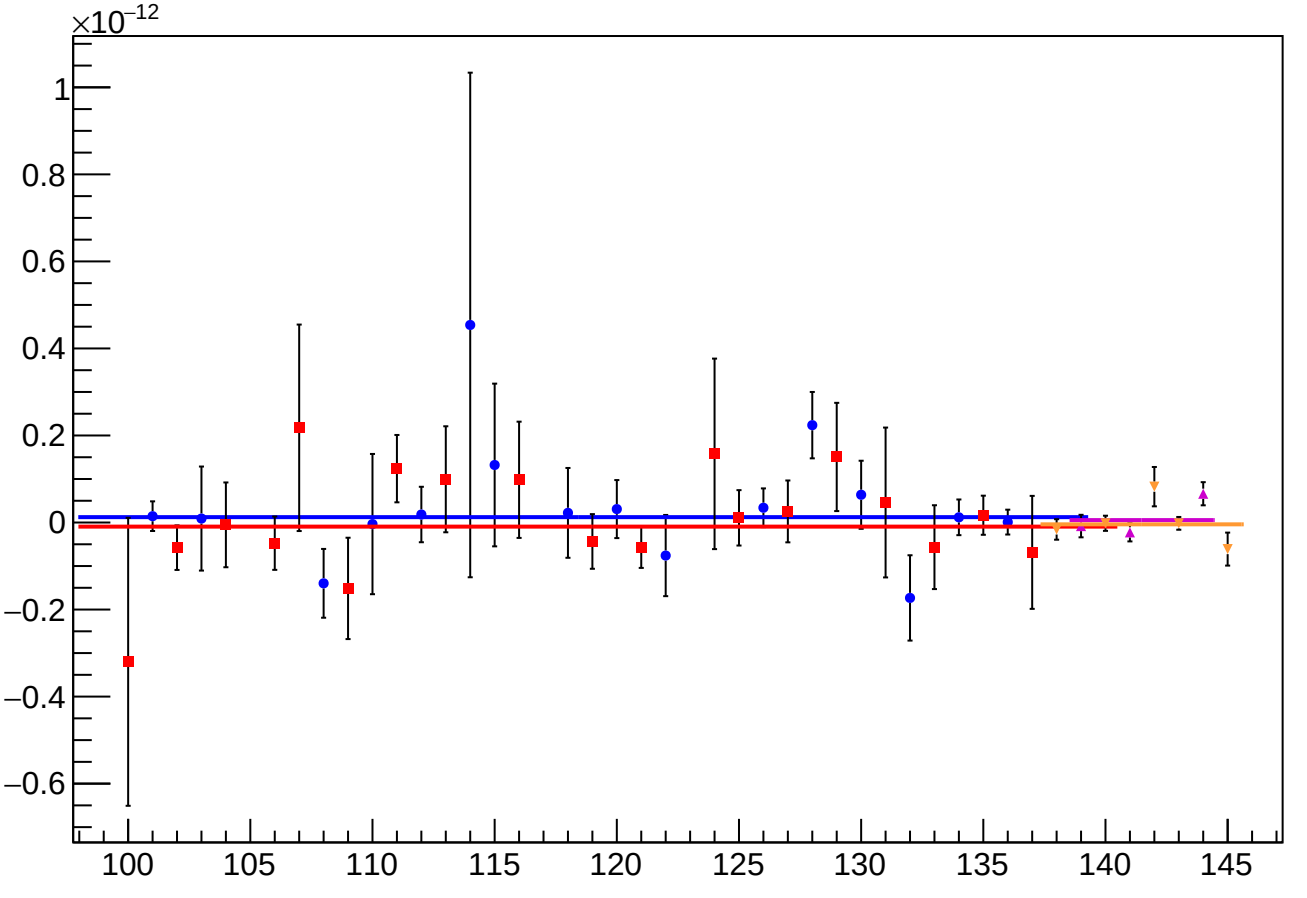
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2152.650+/-0.941 χ^2/NDF:13405.9/2

+ sign 2125.490+/-0.463 χ^2/NDF: 780833.9/20

All: 2143.382+/-0.338 χ^2/NDF: 1621539.4/42

- sign 2163.666+/-0.493 χ^2/NDF: 837520.5/21



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/4

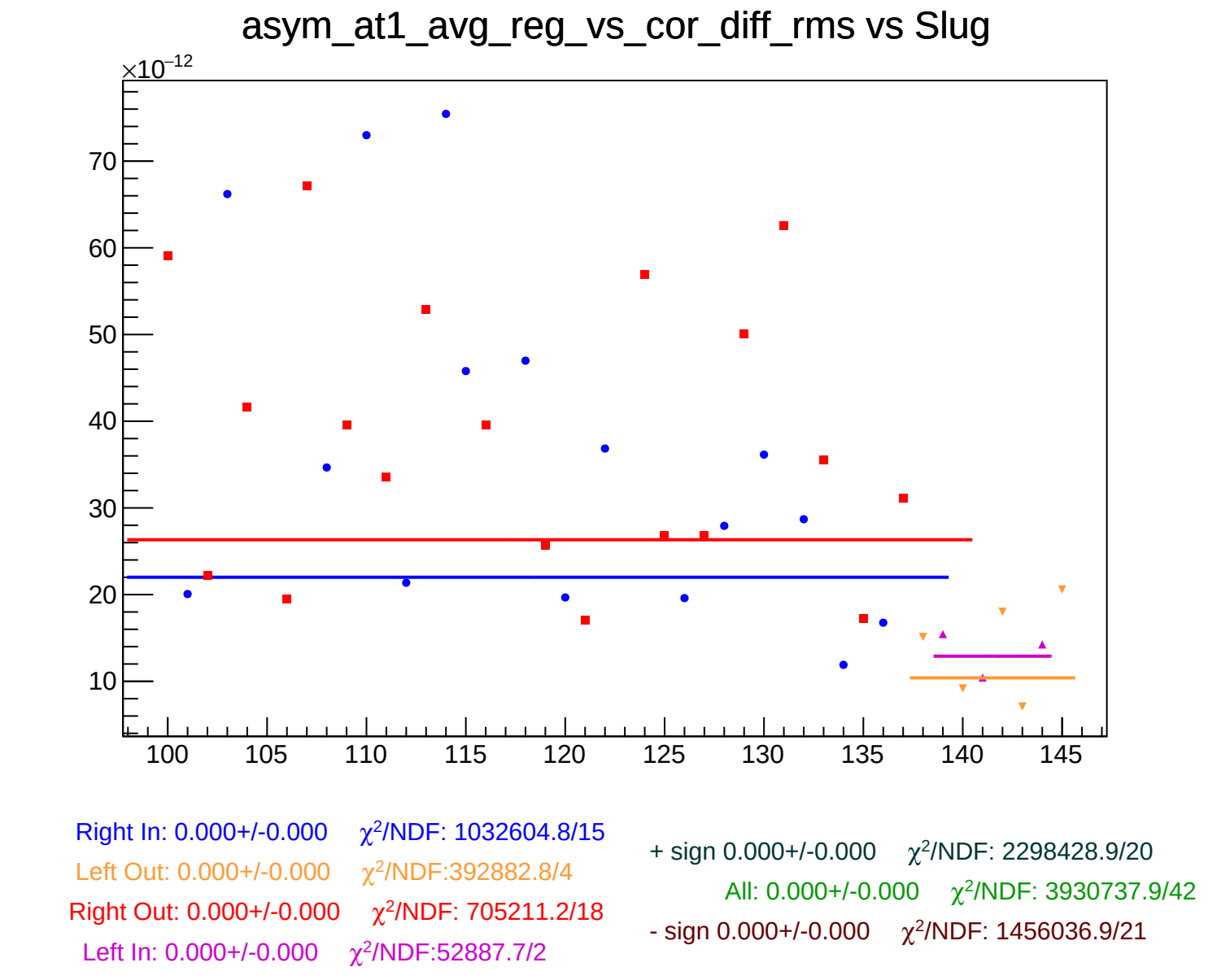
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/2

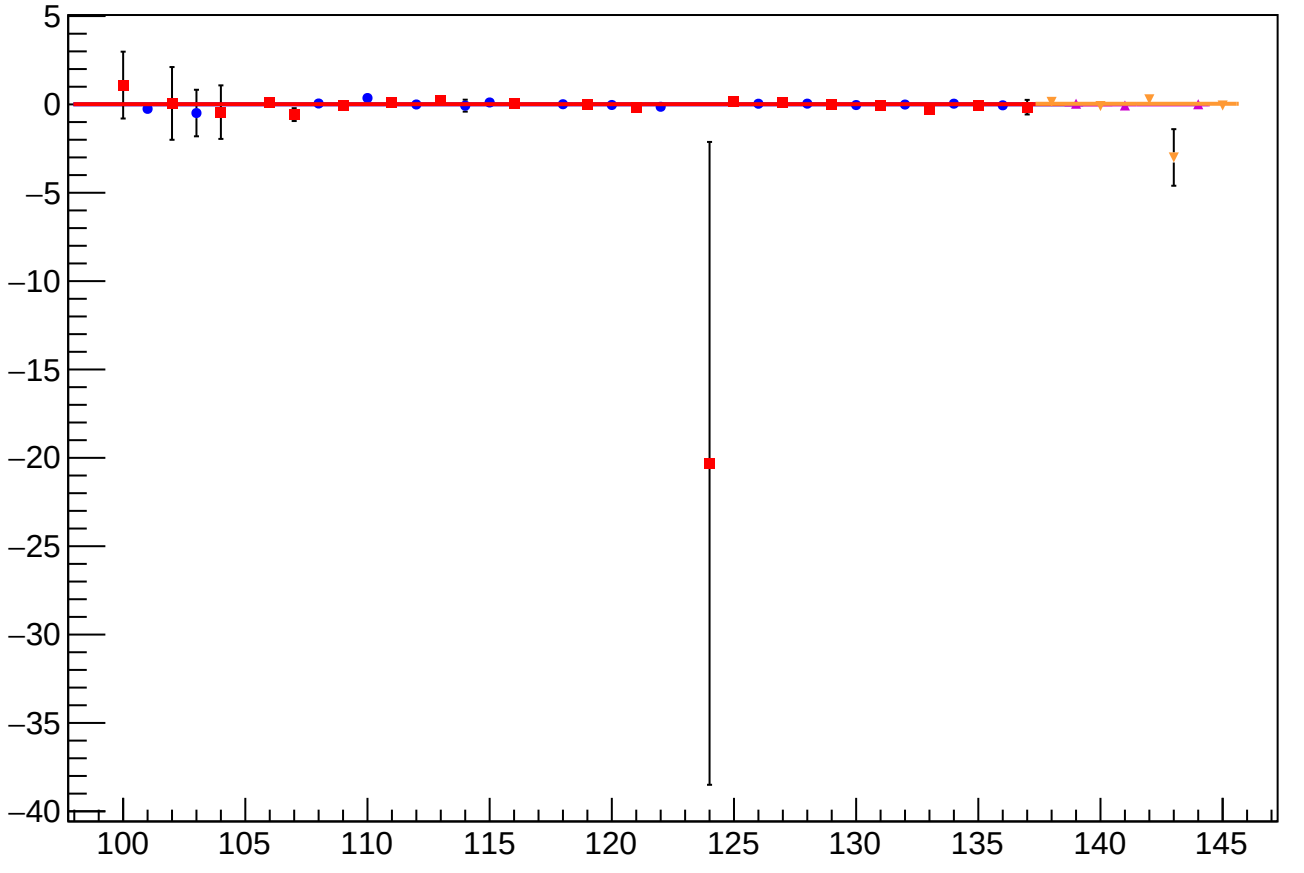
+ sign 0.000+/-0.000 χ^2/NDF: 24.9/20

All: 0.000+/-0.000 χ^2/NDF: 46.4/42

- sign -0.000+/-0.000 χ^2/NDF: 21.5/21


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:392882.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:52887.7/2
+ sign 0.000+/-0.000 χ²/NDF: 2298428.9/20
All: 0.000+/-0.000 χ²/NDF: 3930737.9/42
- sign 0.000+/-0.000 χ²/NDF: 1456036.9/21

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

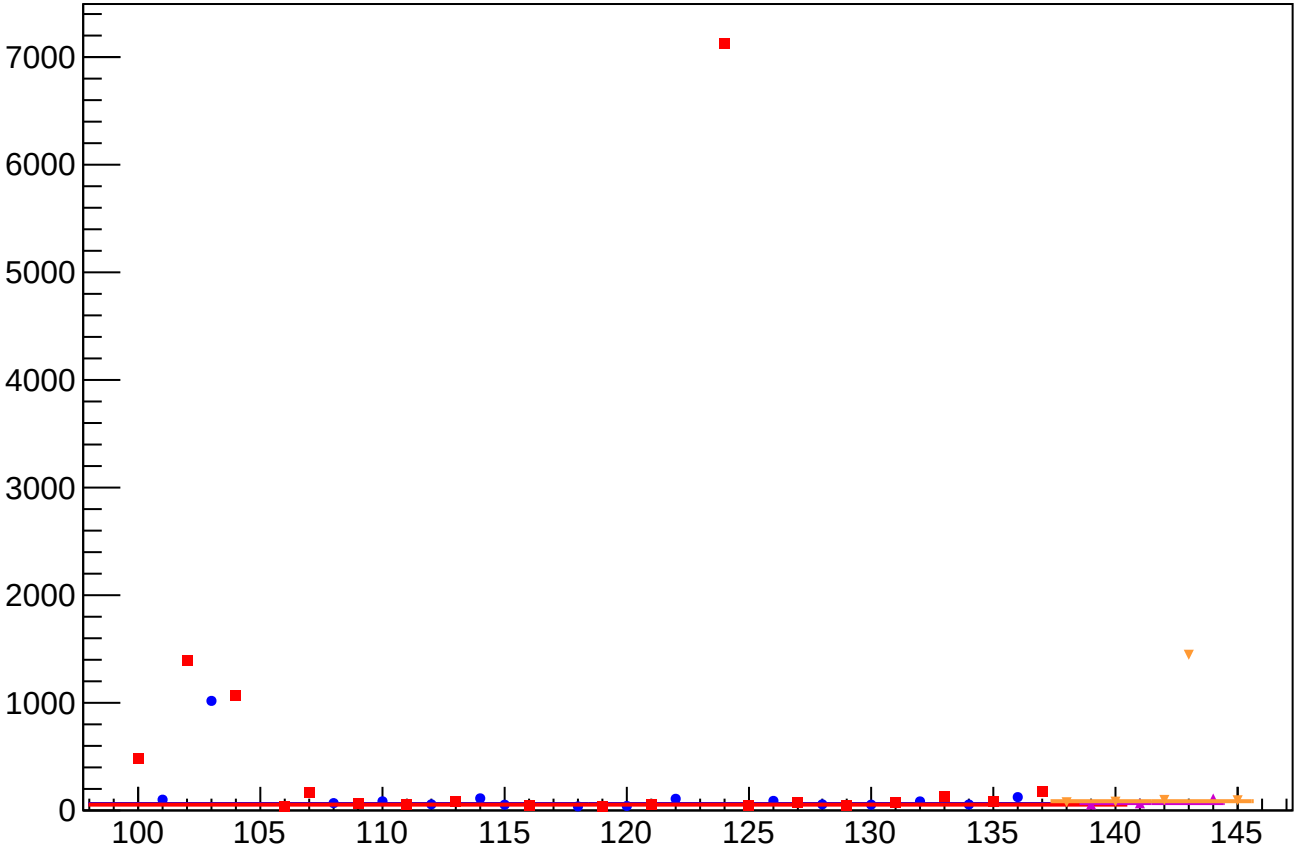
Left In: -0.002+/-0.047 χ^2/NDF:1.0/2

+ sign 0.010+/-0.024 χ^2/NDF: 21.8/20

All: 0.010+/-0.016 χ^2/NDF: 40.4/42

- sign 0.009+/-0.023 χ^2/NDF: 18.6/21

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

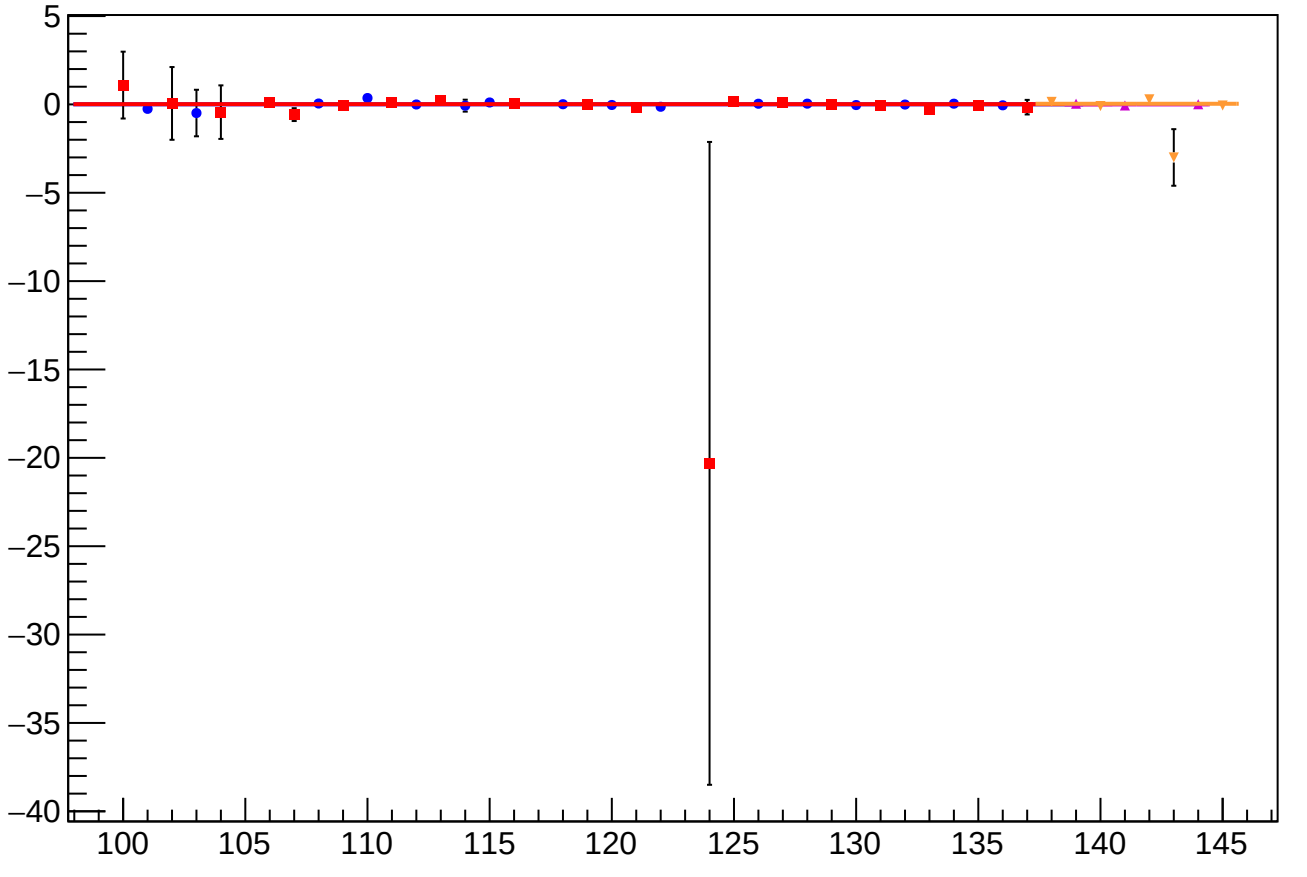
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 68.512+/-0.033 χ^2/NDF:313667.5/2

+ sign 65.003+/-0.017 χ^2/NDF: 4411923.3/20

All: 61.080+/-0.012 χ^2/NDF: 8491678.8/42

- sign 57.589+/-0.016 χ^2/NDF: 3978298.6/21



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

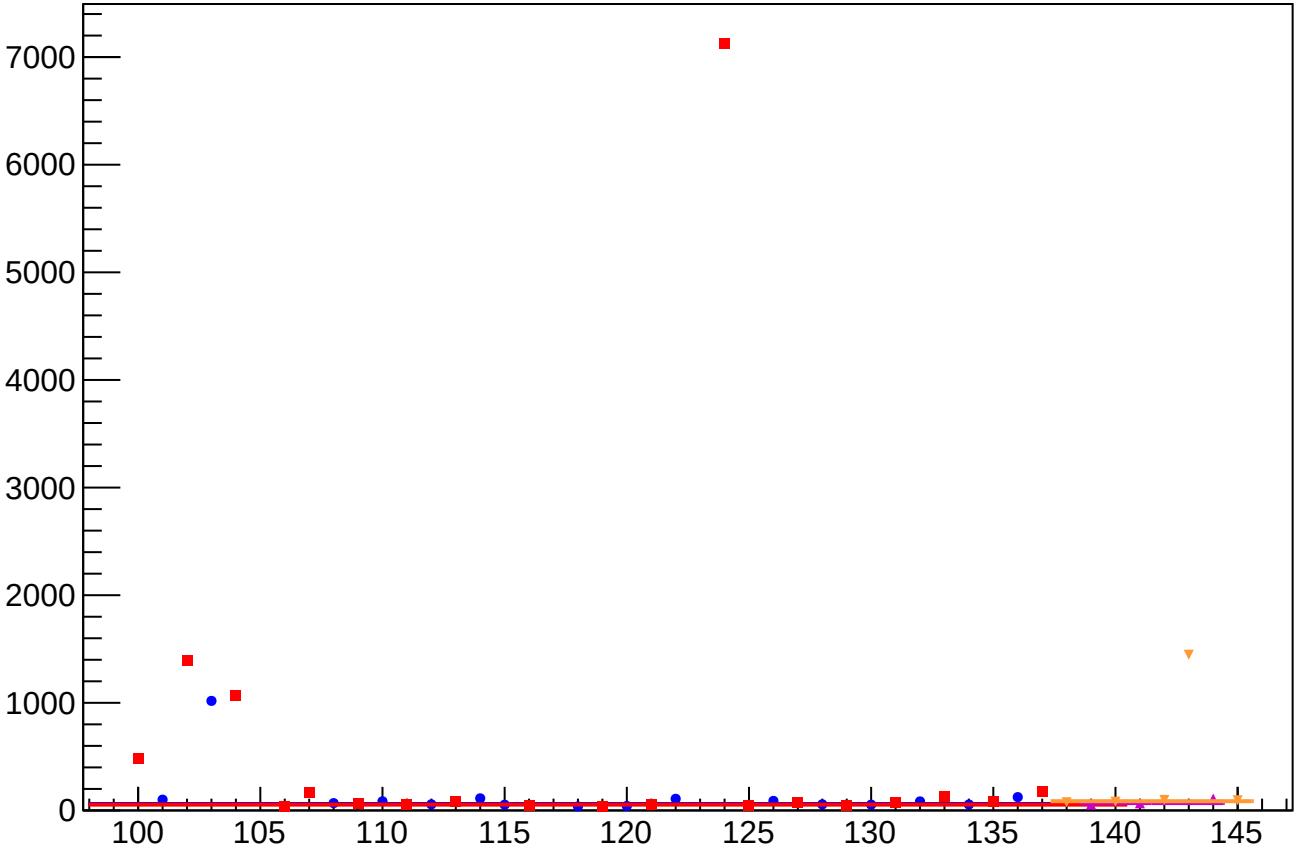
Left In: -0.002+/-0.047 χ^2/NDF:1.0/2

+ sign 0.010+/-0.024 χ^2/NDF: 21.8/20

All: 0.010+/-0.016 χ^2/NDF: 40.4/42

- sign 0.009+/-0.023 χ^2/NDF: 18.6/21

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

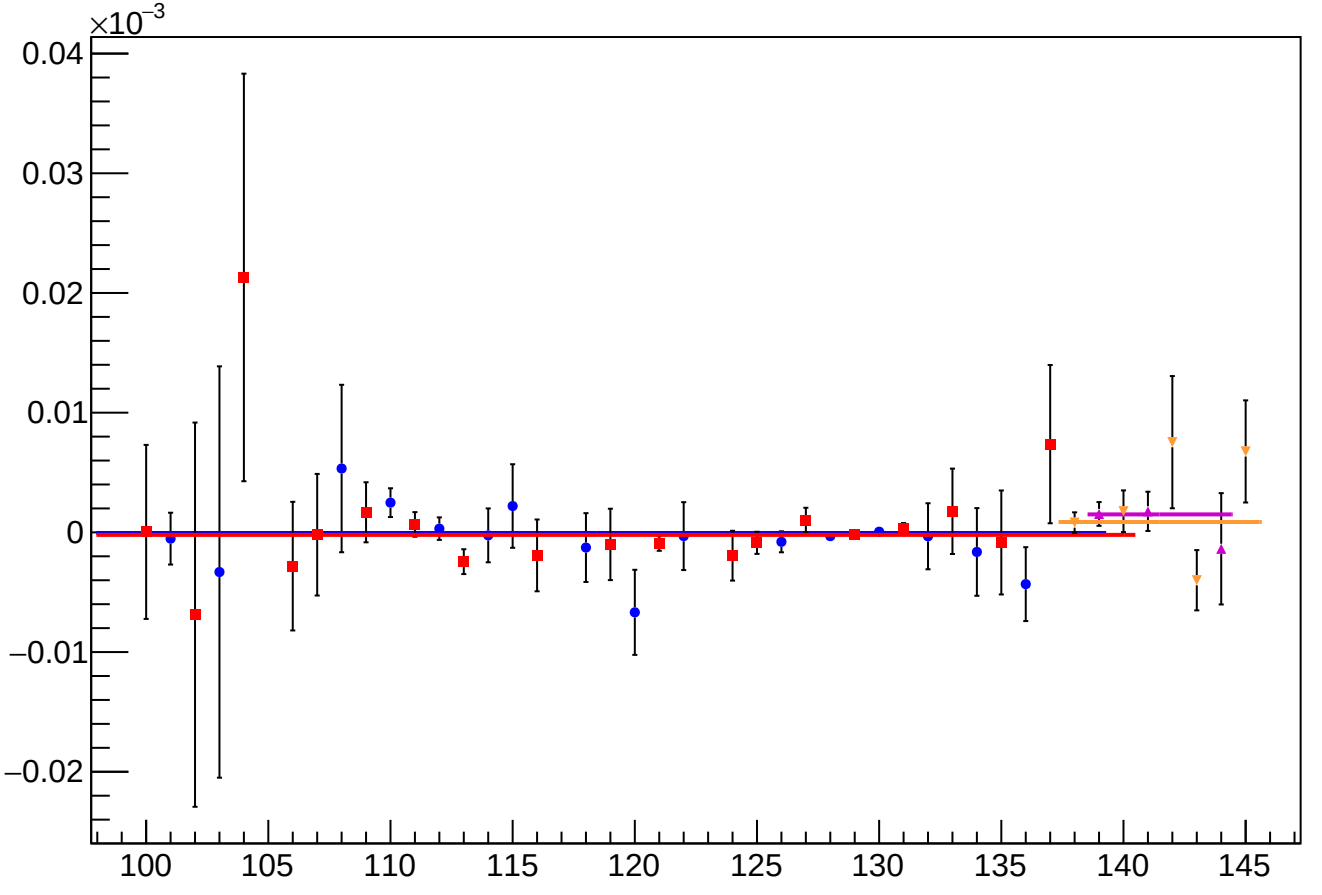
Left In: 68.512+/-0.033 χ^2/NDF:313667.5/2

+ sign 65.003+/-0.017 χ^2/NDF: 4411923.3/20

All: 61.080+/-0.012 χ^2/NDF: 8491678.8/42

- sign 57.589+/-0.016 χ^2/NDF: 3978298.6/21

asym_at1_avg_eigen_dit_vs_dit_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:7.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

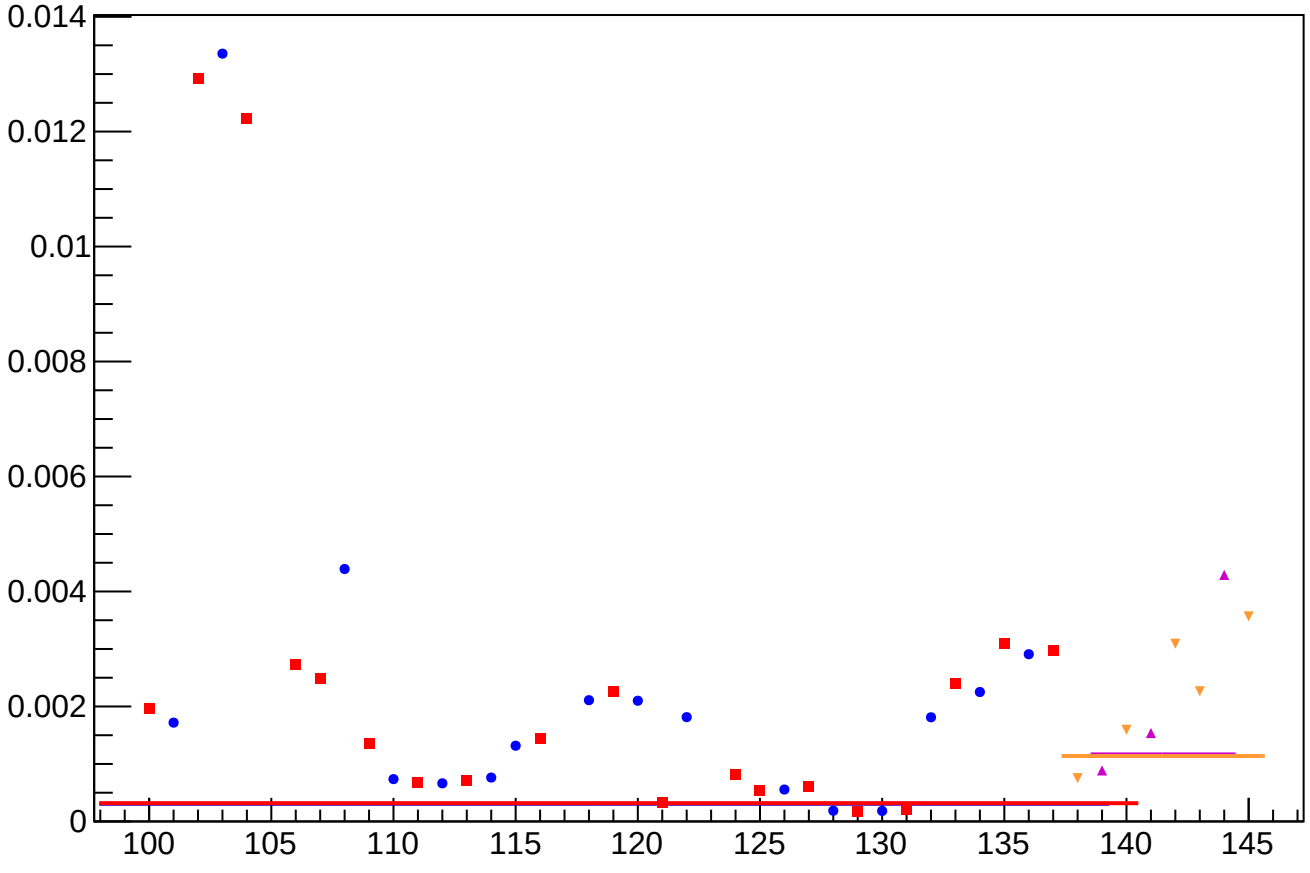
Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/20

All: -0.000+/-0.000 χ^2/NDF: 42.0/42

- sign -0.000+/-0.000 χ^2/NDF: 20.0/21

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

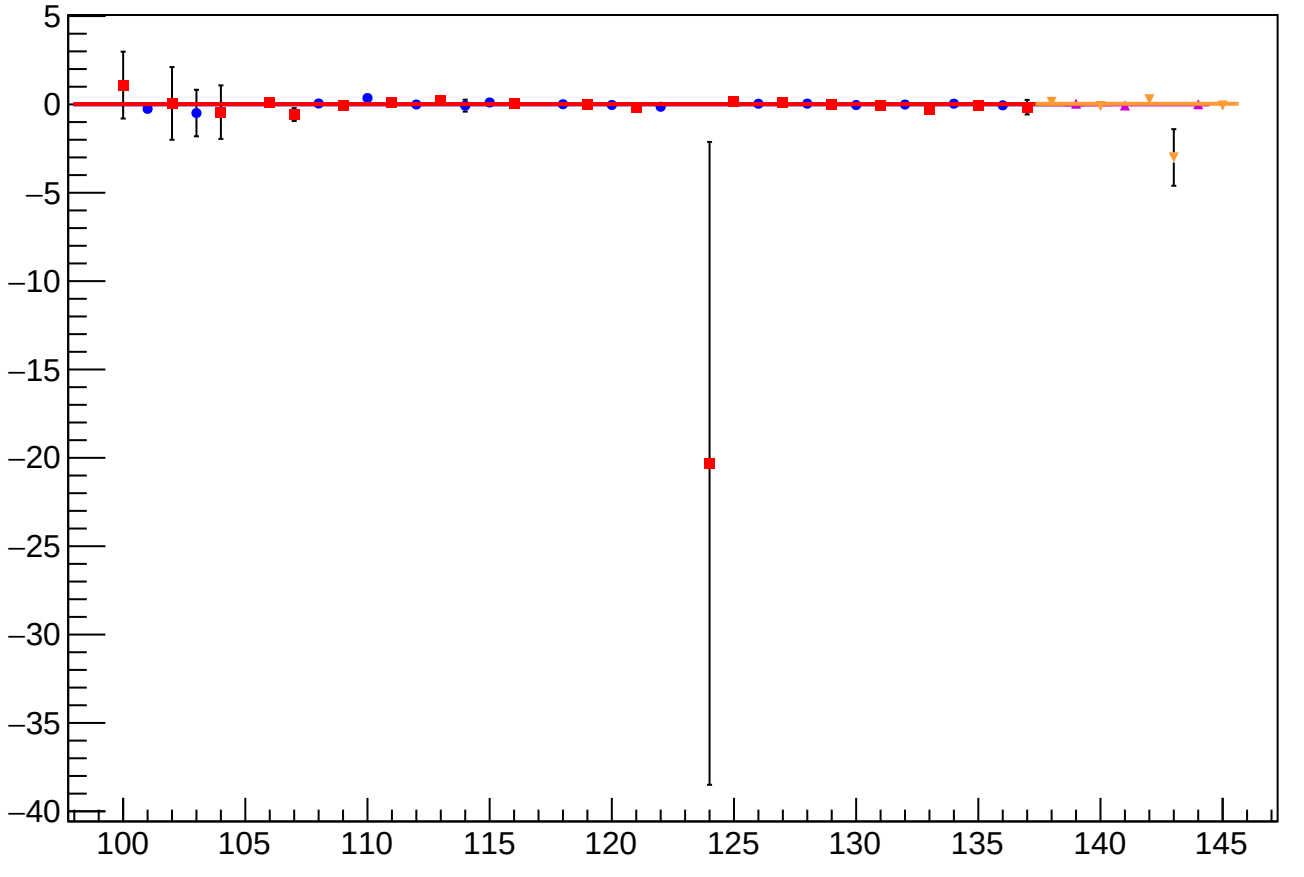
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1161680.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 13085012.3/20

All: 0.000+/-0.000 χ^2/NDF: 24221680.7/42

- sign 0.000+/-0.000 χ^2/NDF: 11136124.2/21



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

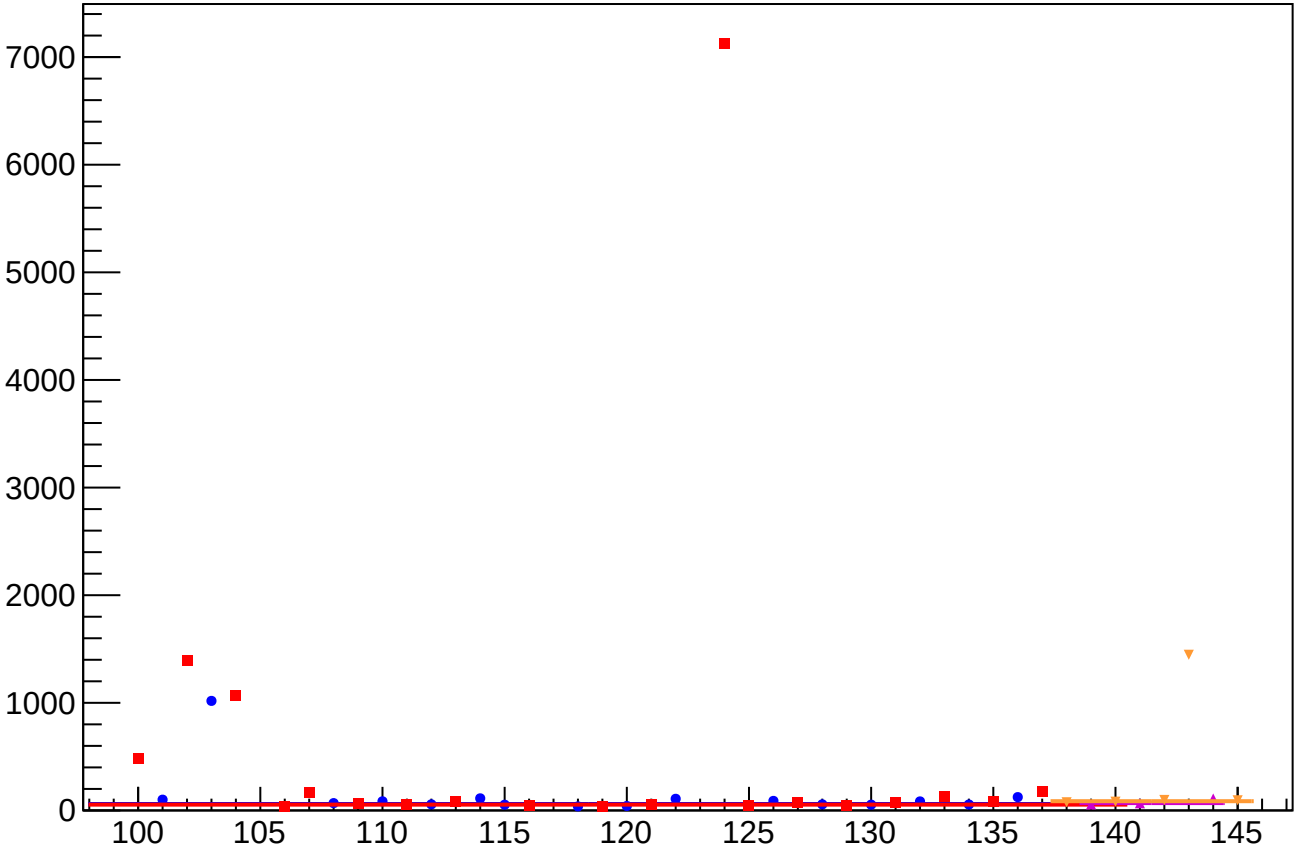
Left In: -0.002+/-0.047 χ^2/NDF:1.0/2

+ sign 0.010+/-0.024 χ^2/NDF: 21.8/20

All: 0.010+/-0.016 χ^2/NDF: 40.4/42

- sign 0.009+/-0.023 χ^2/NDF: 18.6/21

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

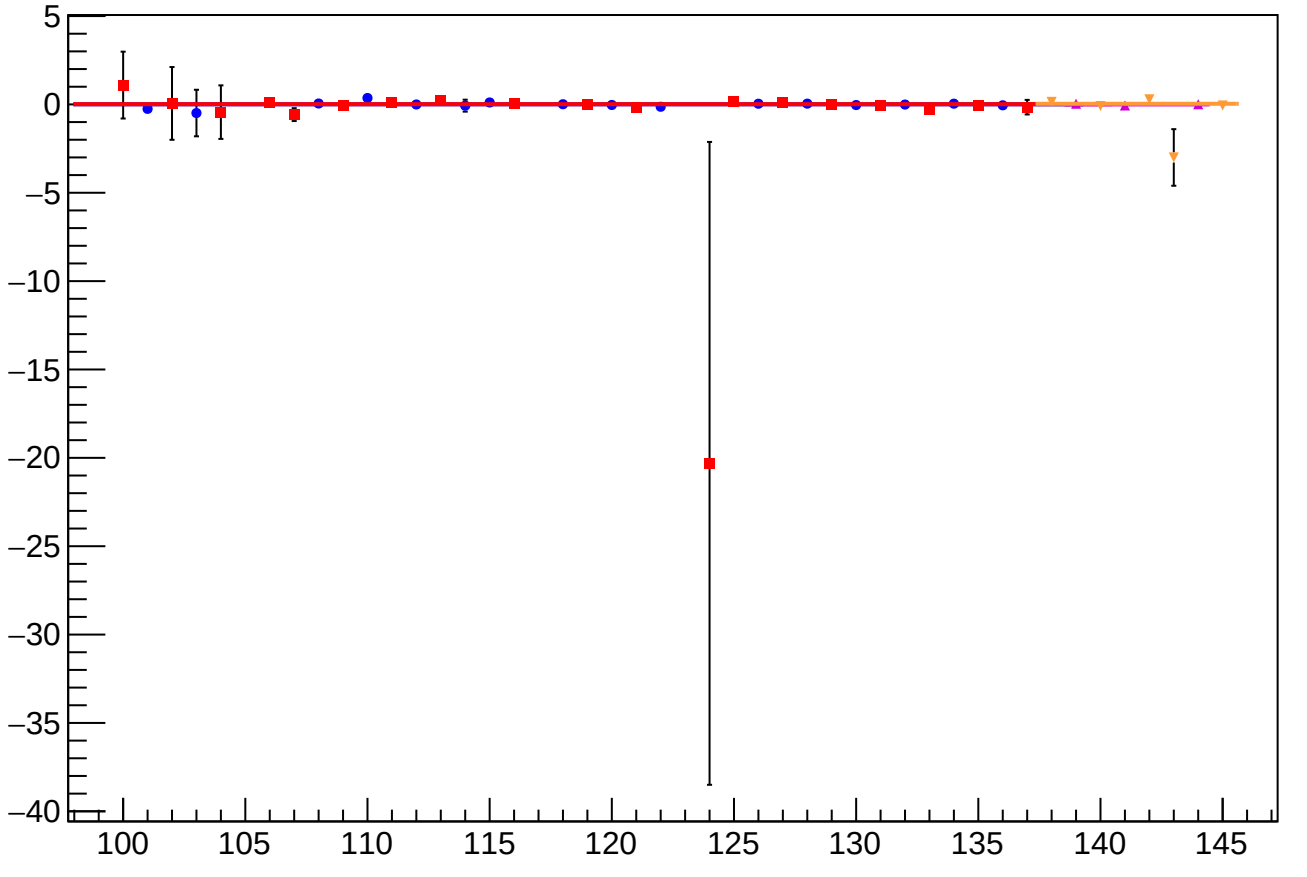
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 68.512+/-0.033 χ^2/NDF:313672.2/2

+ sign 65.002+/-0.017 χ^2/NDF: 4411939.2/20

All: 61.080+/-0.012 χ^2/NDF: 8491799.1/42

- sign 57.588+/-0.016 χ^2/NDF: 3978382.7/21



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.035+/-0.054 χ^2/NDF:10.1/4

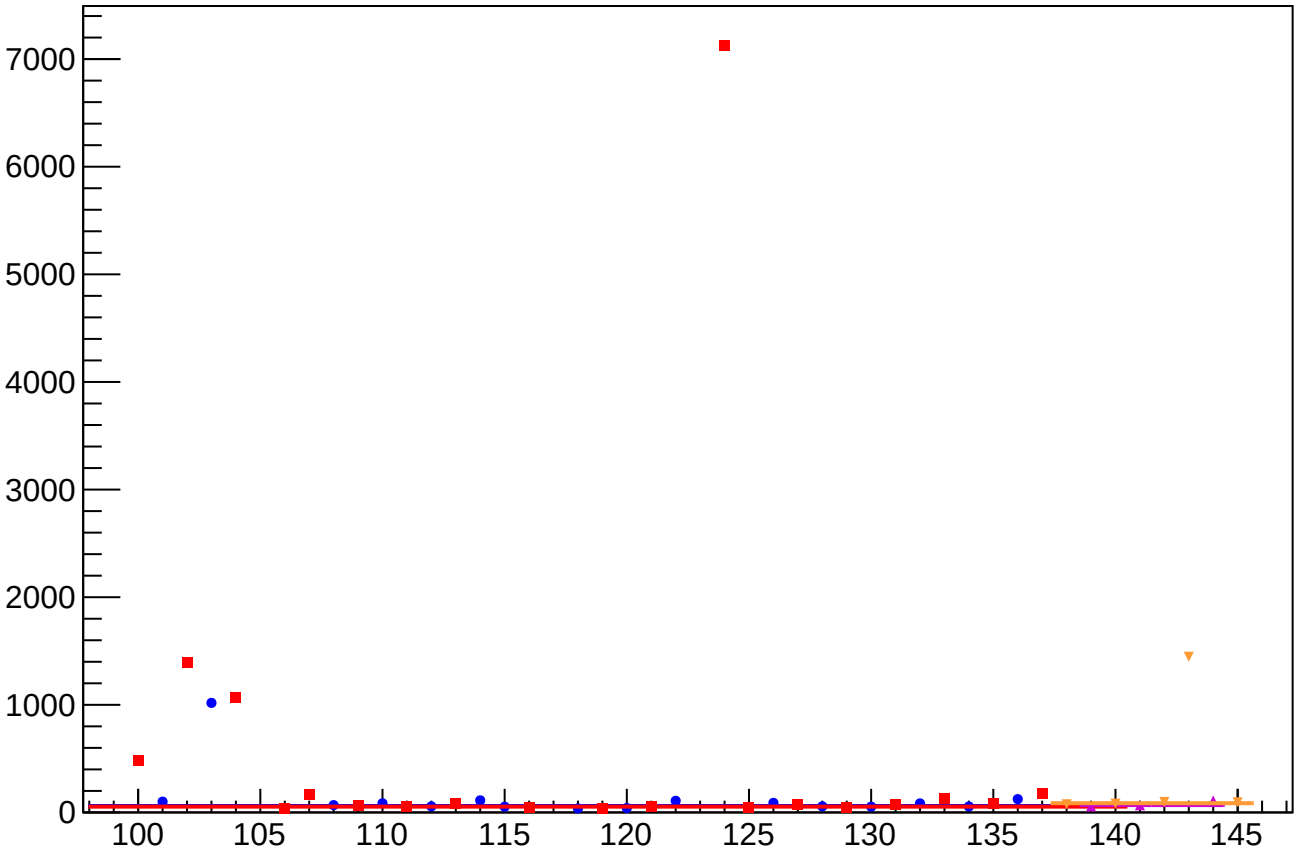
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.002+/-0.047 χ^2/NDF:1.0/2

+ sign 0.010+/-0.024 χ^2/NDF: 21.8/20

All: 0.010+/-0.016 χ^2/NDF: 40.4/42

- sign 0.009+/-0.023 χ^2/NDF: 18.6/21



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

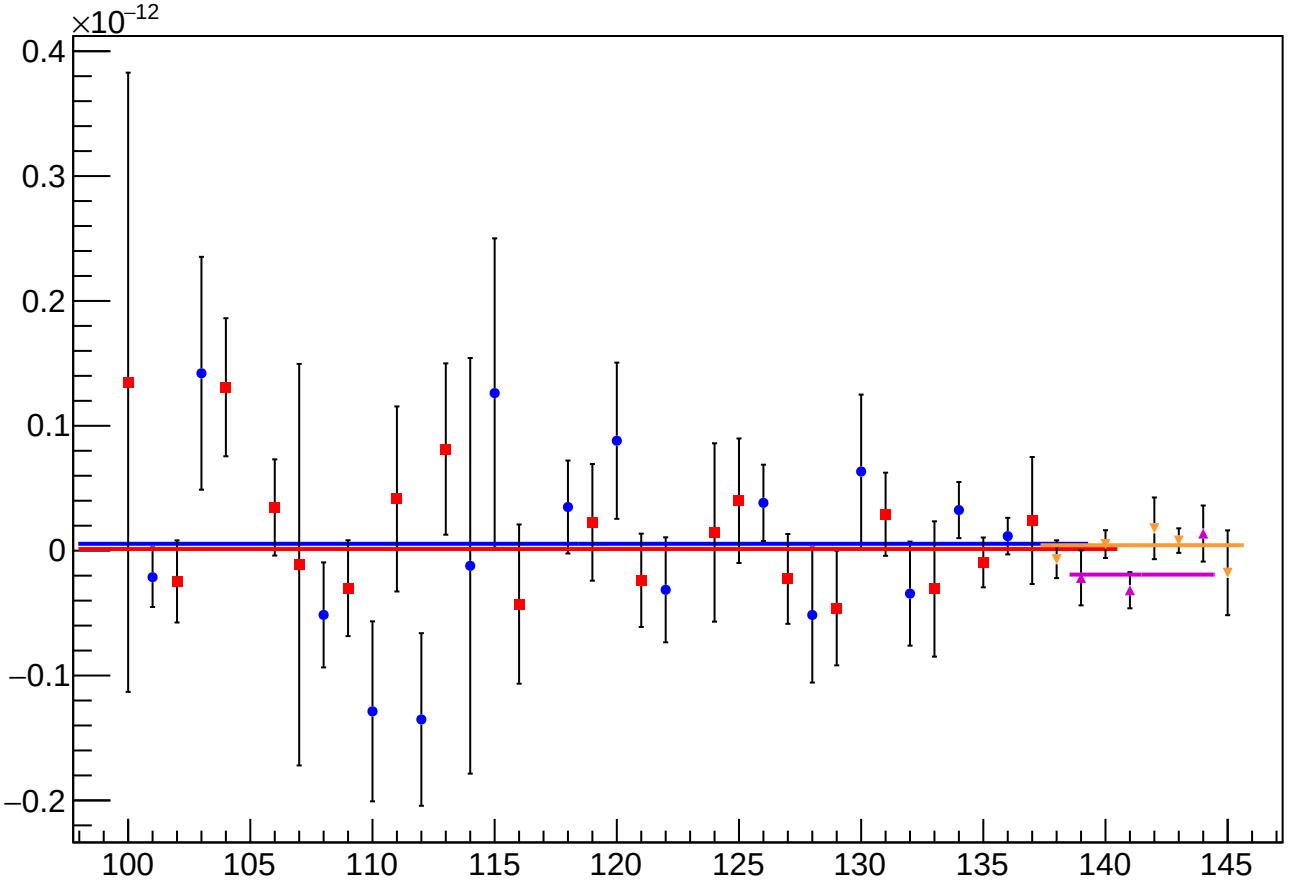
Left In: 68.512+/-0.033 χ^2/NDF:313672.2/2

+ sign 65.002+/-0.017 χ^2/NDF: 4411939.2/20

All: 61.080+/-0.012 χ^2/NDF: 8491799.1/42

- sign 57.588+/-0.016 χ^2/NDF: 3978382.7/21

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

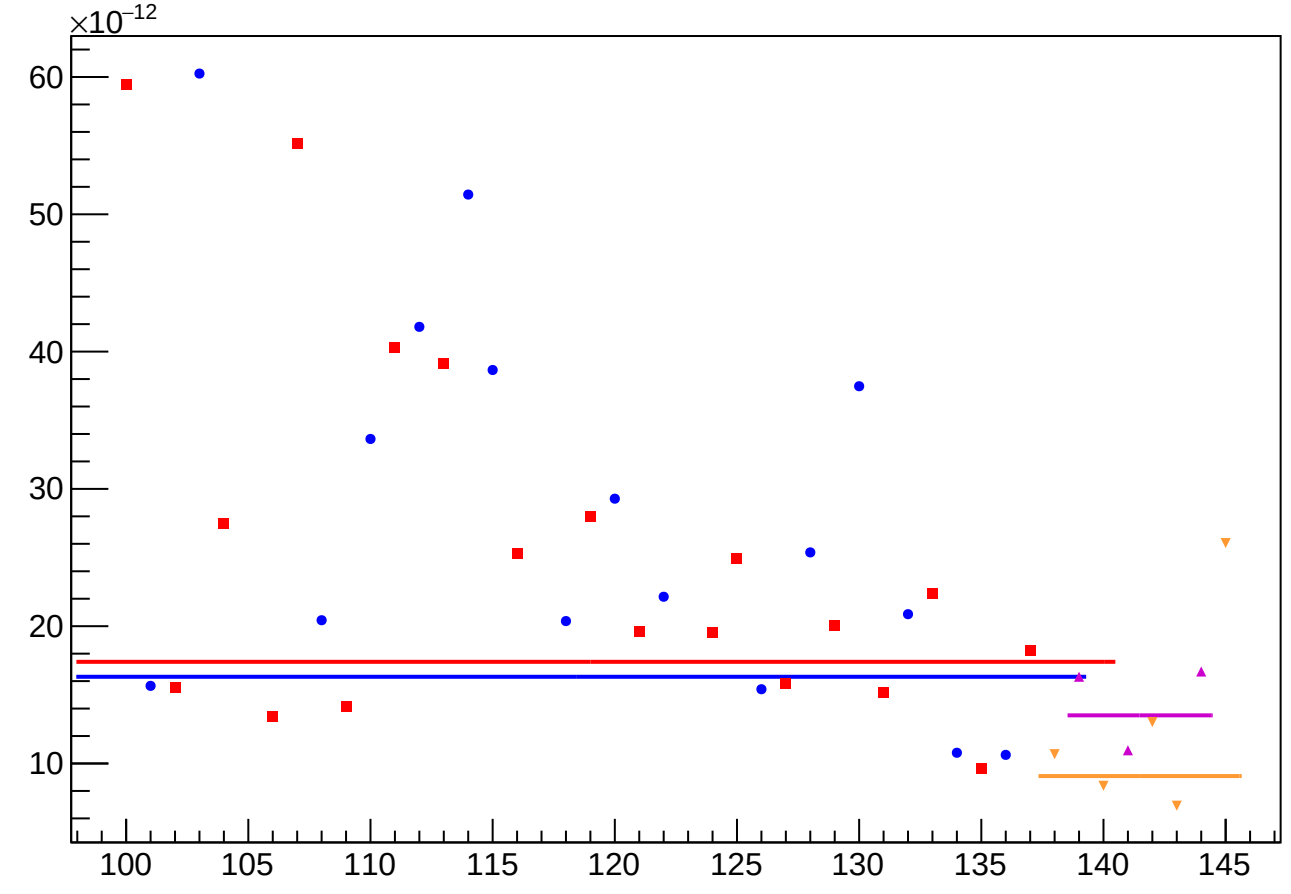
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 24.0/20

All: 0.000+/-0.000 χ^2/NDF: 45.4/42

- sign -0.000+/-0.000 χ^2/NDF: 19.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:676880.7/4

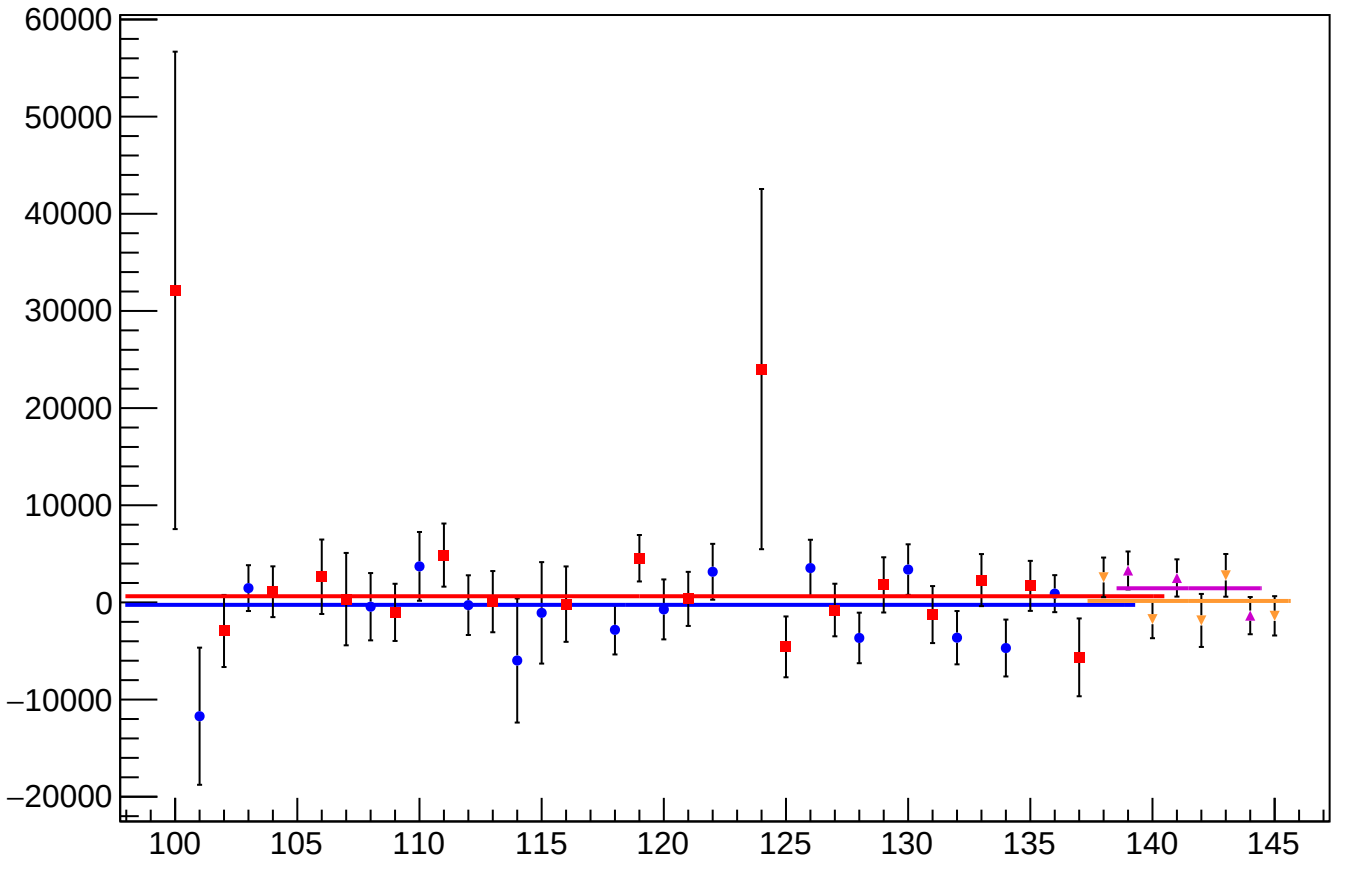
Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:134937.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 3487222.7/20

All: 0.000+/-0.000 χ^2/NDF: 5384239.5/42

- sign 0.000+/-0.000 χ^2/NDF: 1477541.1/21



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

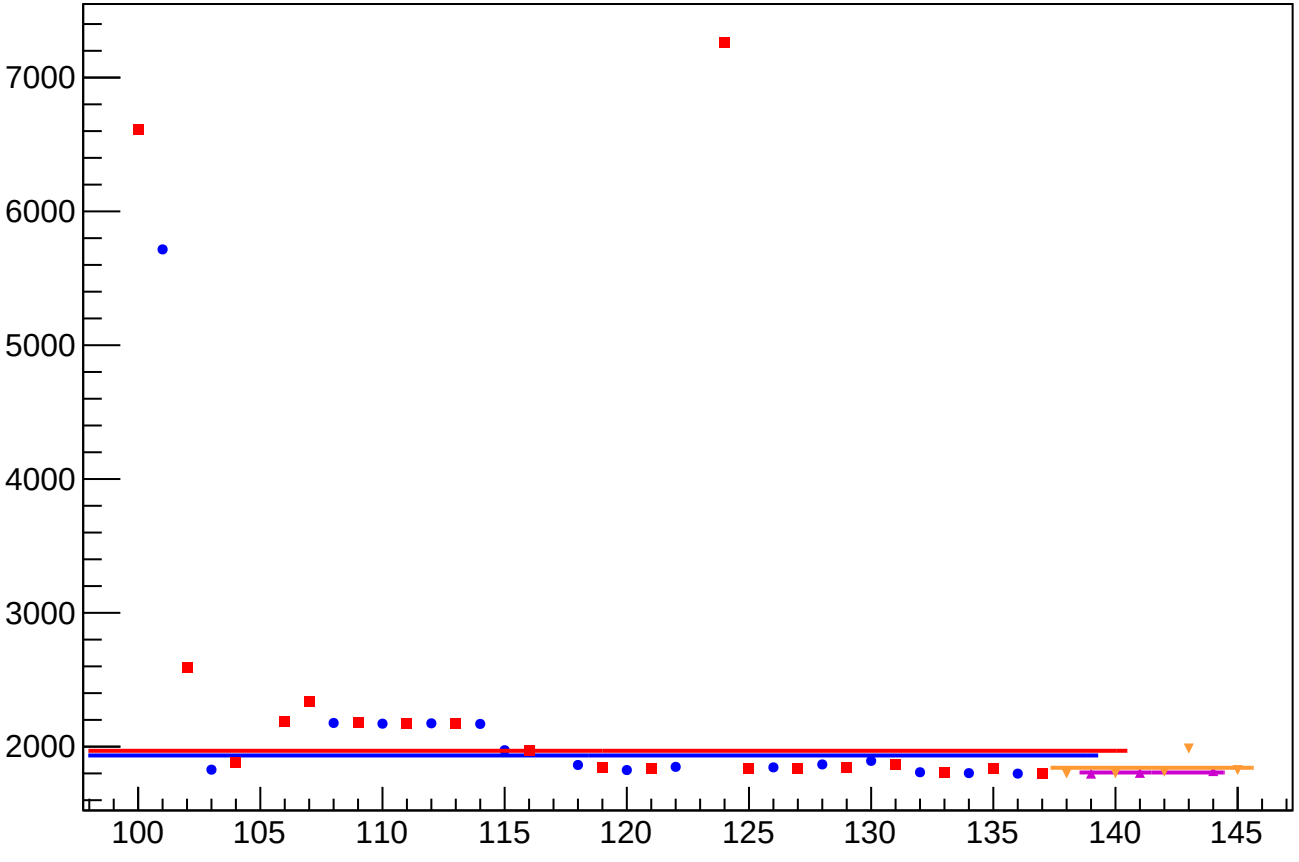
Left In: 1456.193+/-1113.825 χ^2/NDF:3.3/2

+ sign -102.529+/-583.484 χ^2/NDF: 22.3/20

All: 366.333+/-422.880 χ^2/NDF: 43.2/42

- sign 885.092+/-613.747 χ^2/NDF: 19.6/21

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

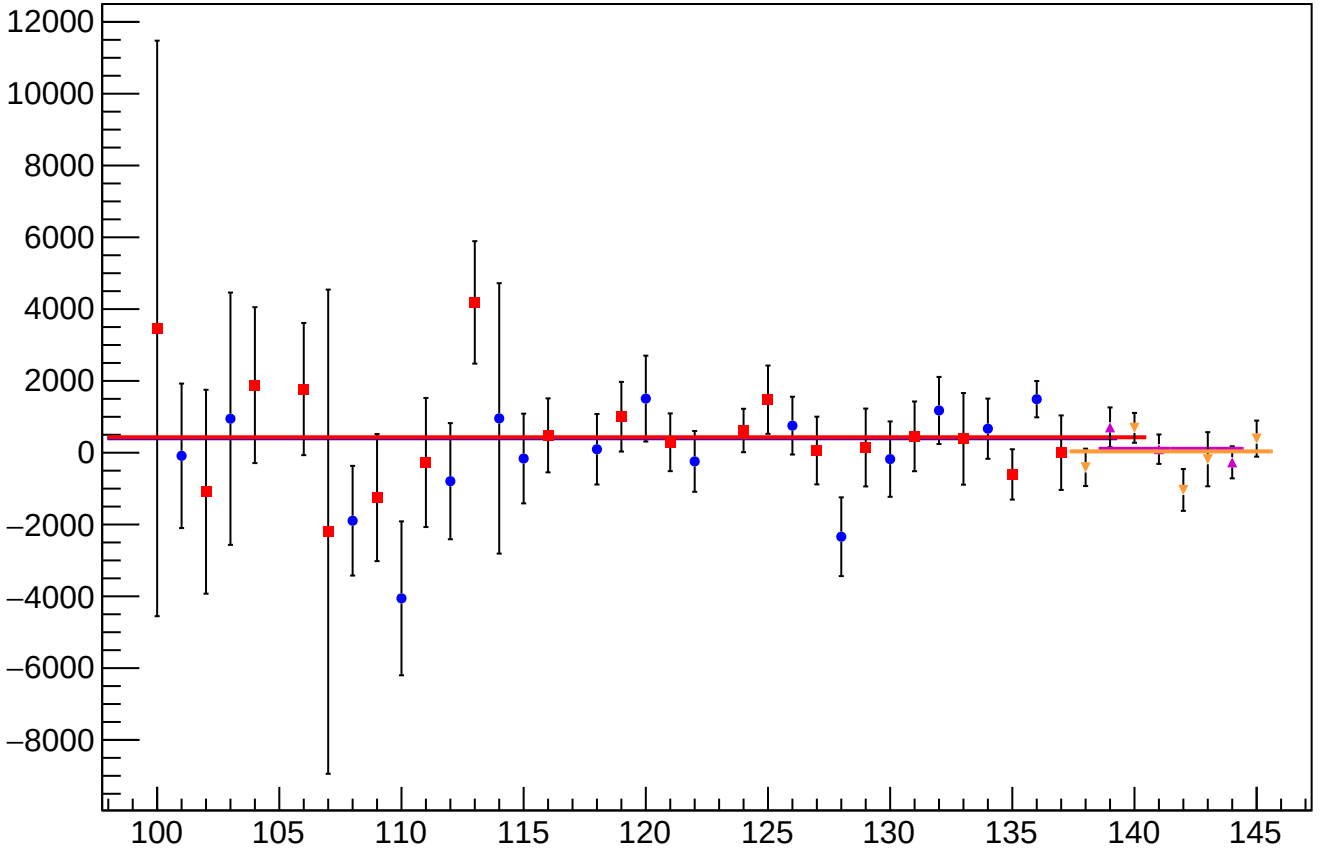
Left In: 1807.079+/-0.788 χ^2/NDF:102.3/2

+ sign 1900.209+/-0.413 χ^2/NDF: 662227.0/20

All: 1909.594+/-0.299 χ^2/NDF: 1071305.9/42

- sign 1919.978+/-0.434 χ^2/NDF: 407989.0/21

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

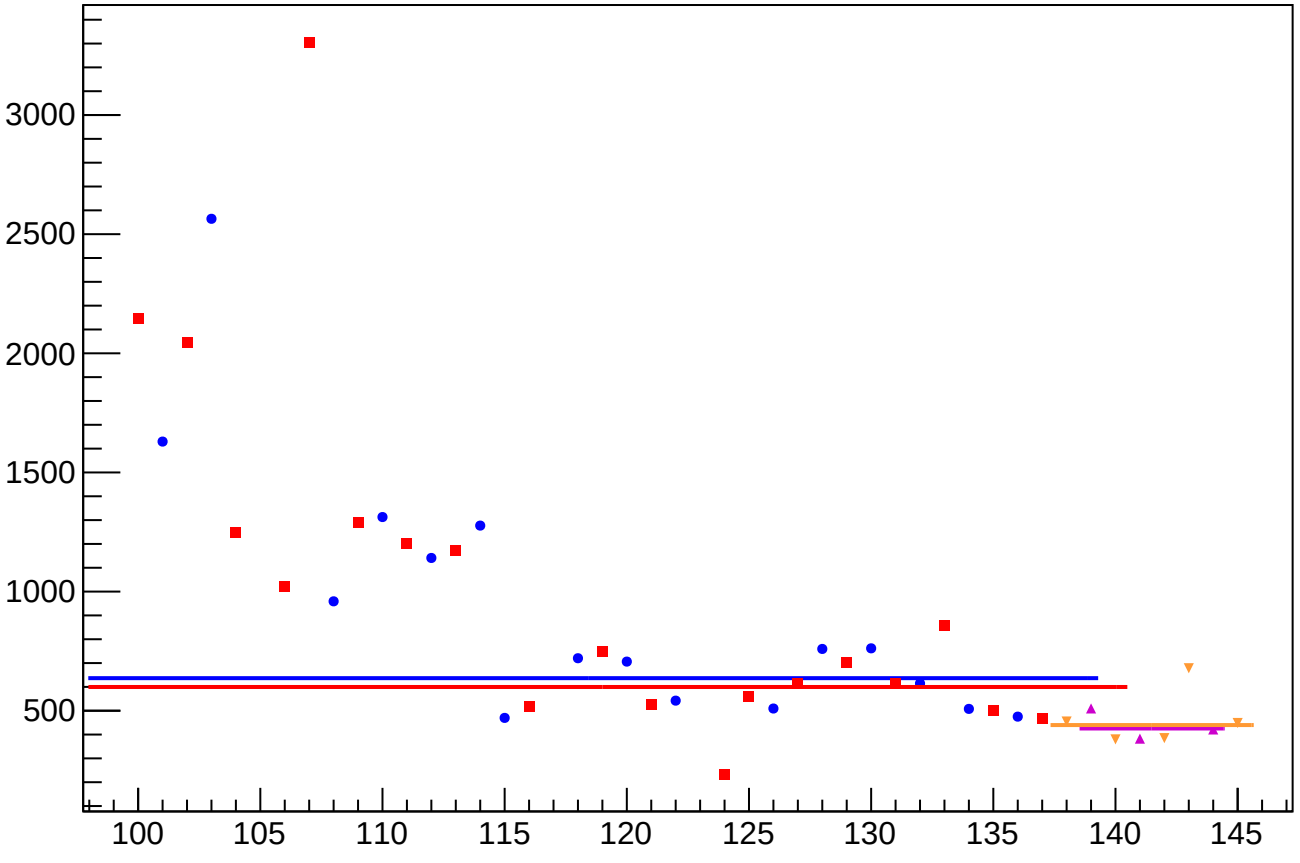
Left In: 108.702+/-265.239 χ^2/NDF:1.9/2

+ sign 202.671+/-173.835 χ^2/NDF: 29.4/20

All: 237.965+/-126.037 χ^2/NDF: 43.9/42

- sign 277.081+/-183.005 χ^2/NDF: 14.4/21

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

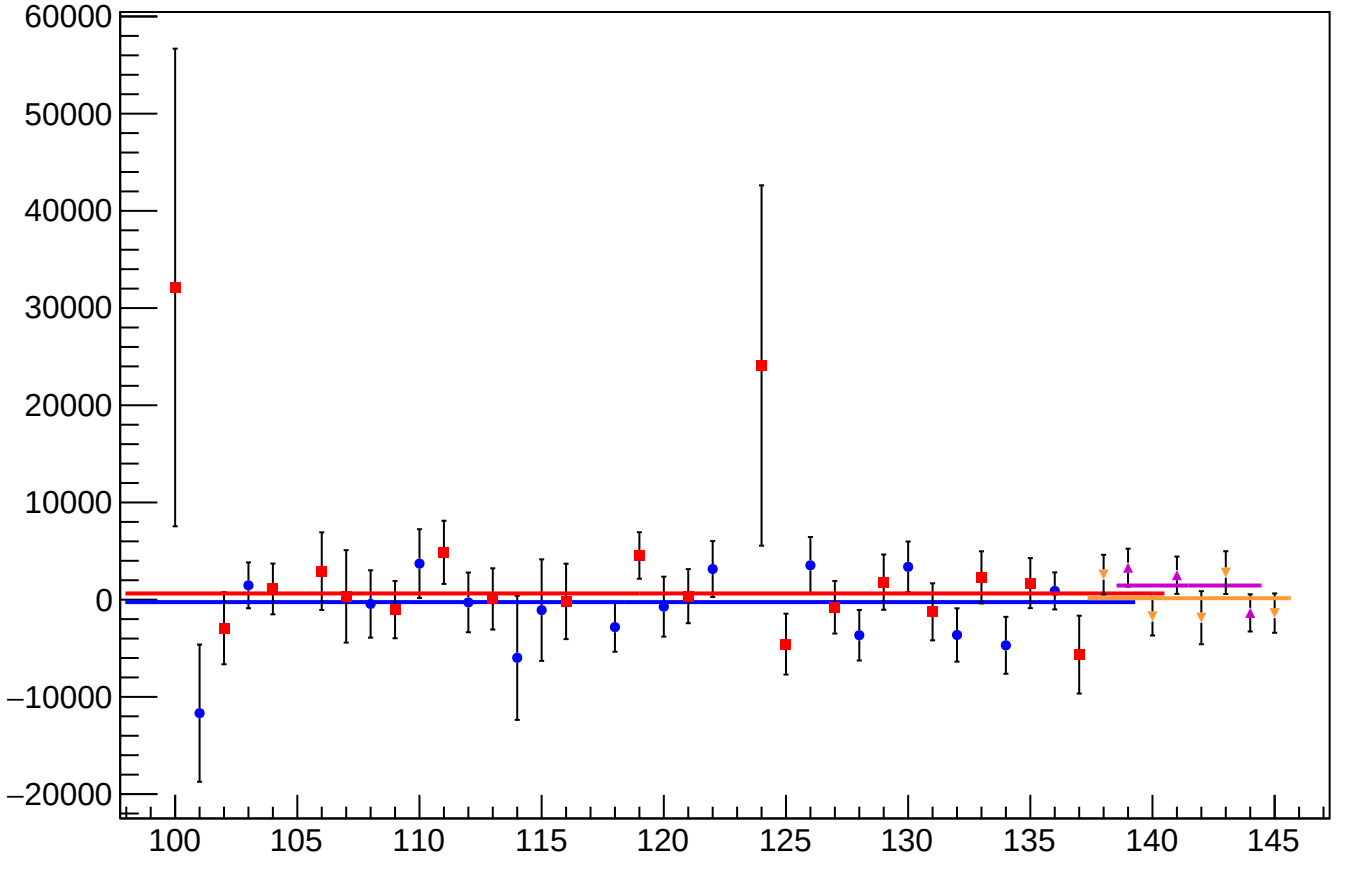
Left In: 425.404+/-0.188 χ^2/NDF:67887.0/2

+ sign 528.817+/-0.123 χ^2/NDF: 2963871.7/20

All: 523.065+/-0.089 χ^2/NDF: 6432623.7/42

- sign 516.690+/-0.129 χ^2/NDF: 3464135.8/21

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

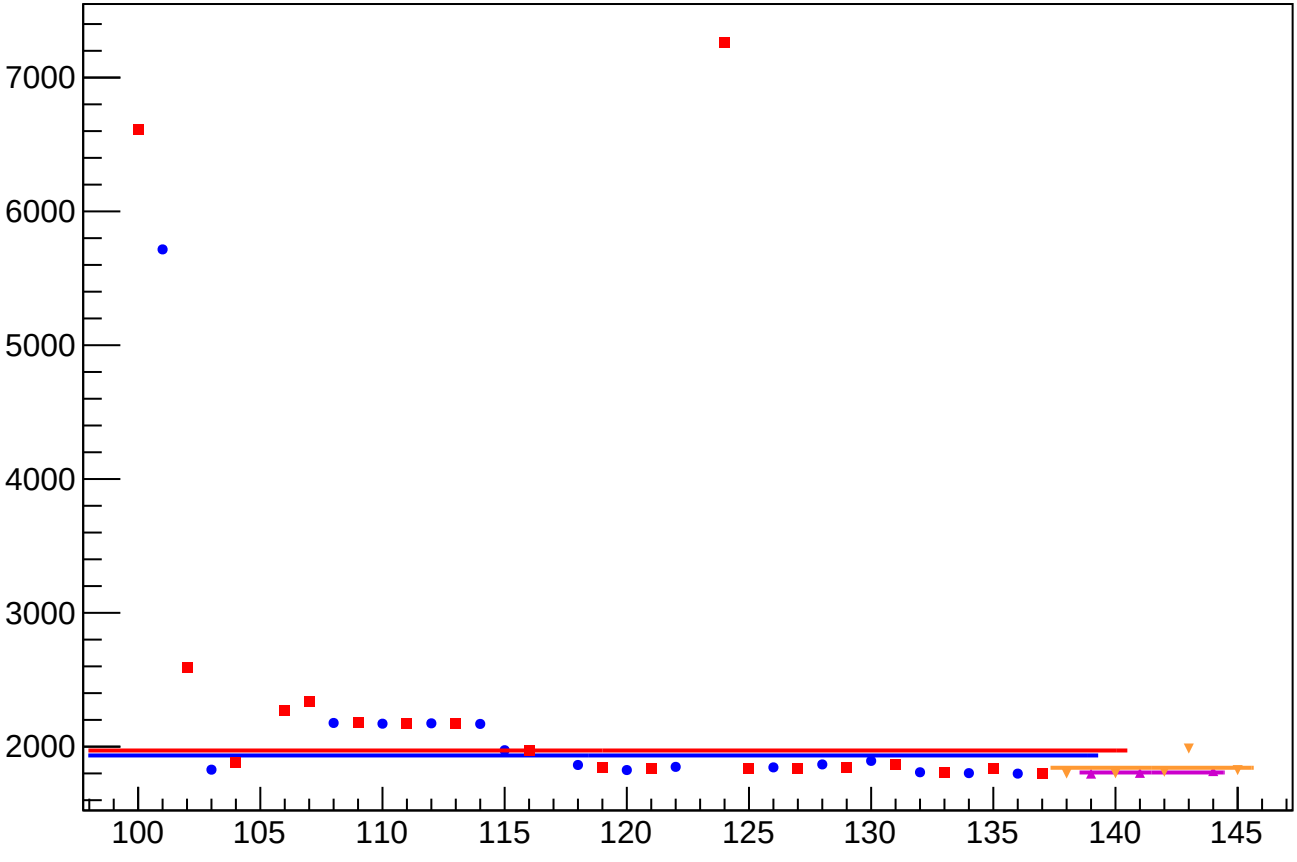
Left In: 1456.277+/-1113.825 χ^2/NDF:3.3/2

+ sign -102.053+/-583.484 χ^2/NDF: 22.2/20

All: 367.914+/-423.083 χ^2/NDF: 43.3/42

- sign 888.950+/-614.369 χ^2/NDF: 19.7/21

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

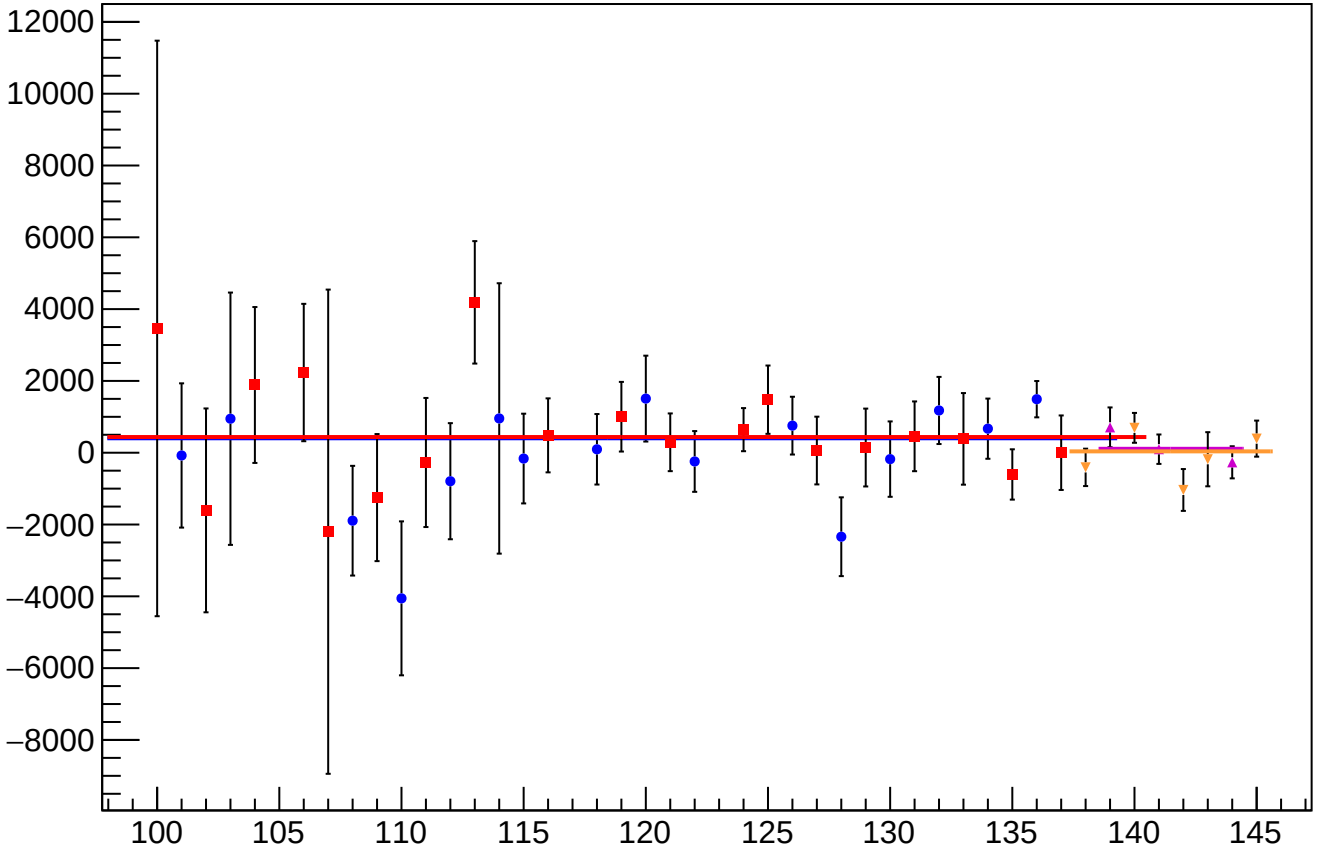
Left In: 1807.079+/-0.788 χ^2/NDF:102.3/2

+ sign 1900.209+/-0.413 χ^2/NDF: 662226.9/20

All: 1910.247+/-0.299 χ^2/NDF: 1077023.8/42

- sign 1921.376+/-0.434 χ^2/NDF: 413548.7/21

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

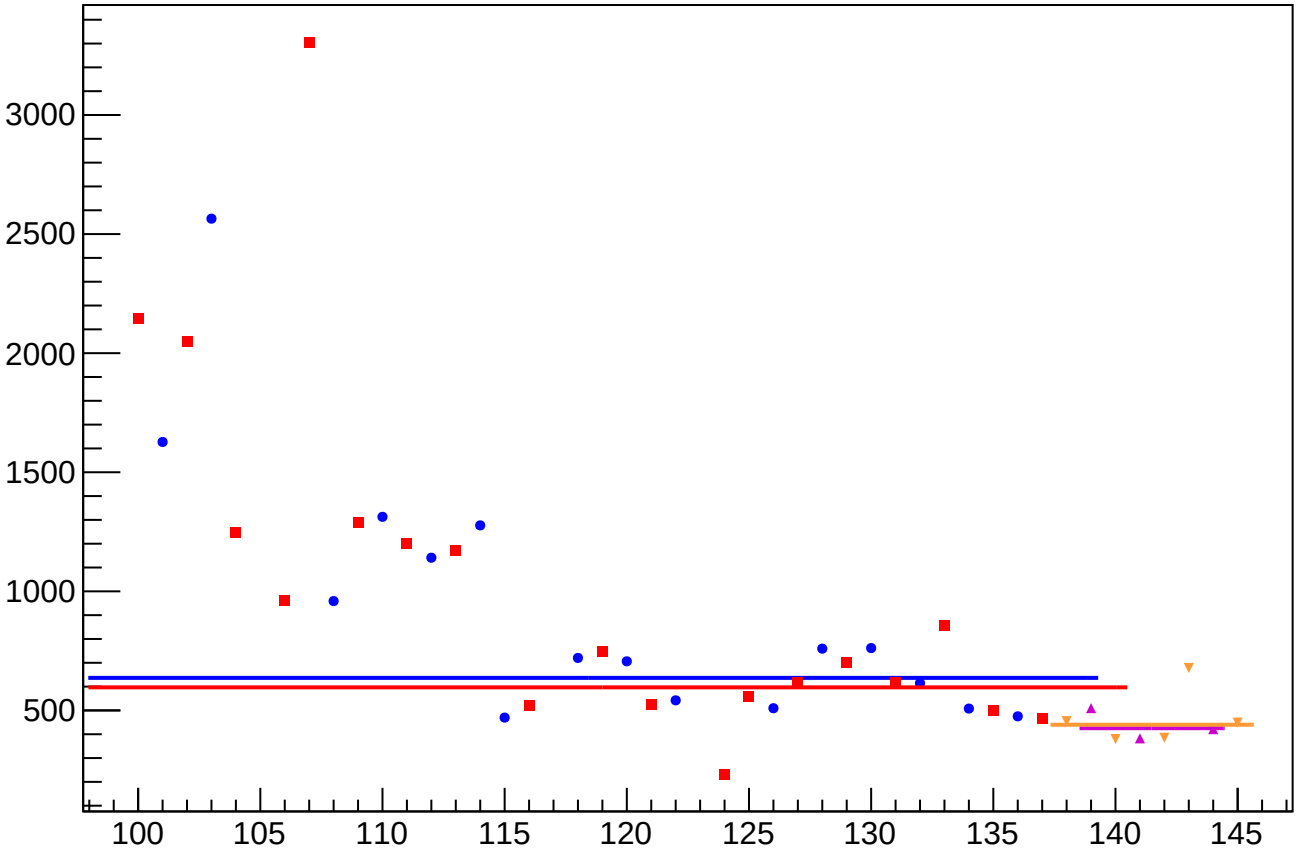
Left In: 108.800+/-265.233 χ^2/NDF:1.9/2

+ sign 202.663+/-173.833 χ^2/NDF: 29.4/20

All: 239.686+/-126.017 χ^2/NDF: 44.6/42

- sign 280.693+/-182.946 χ^2/NDF: 15.0/21

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

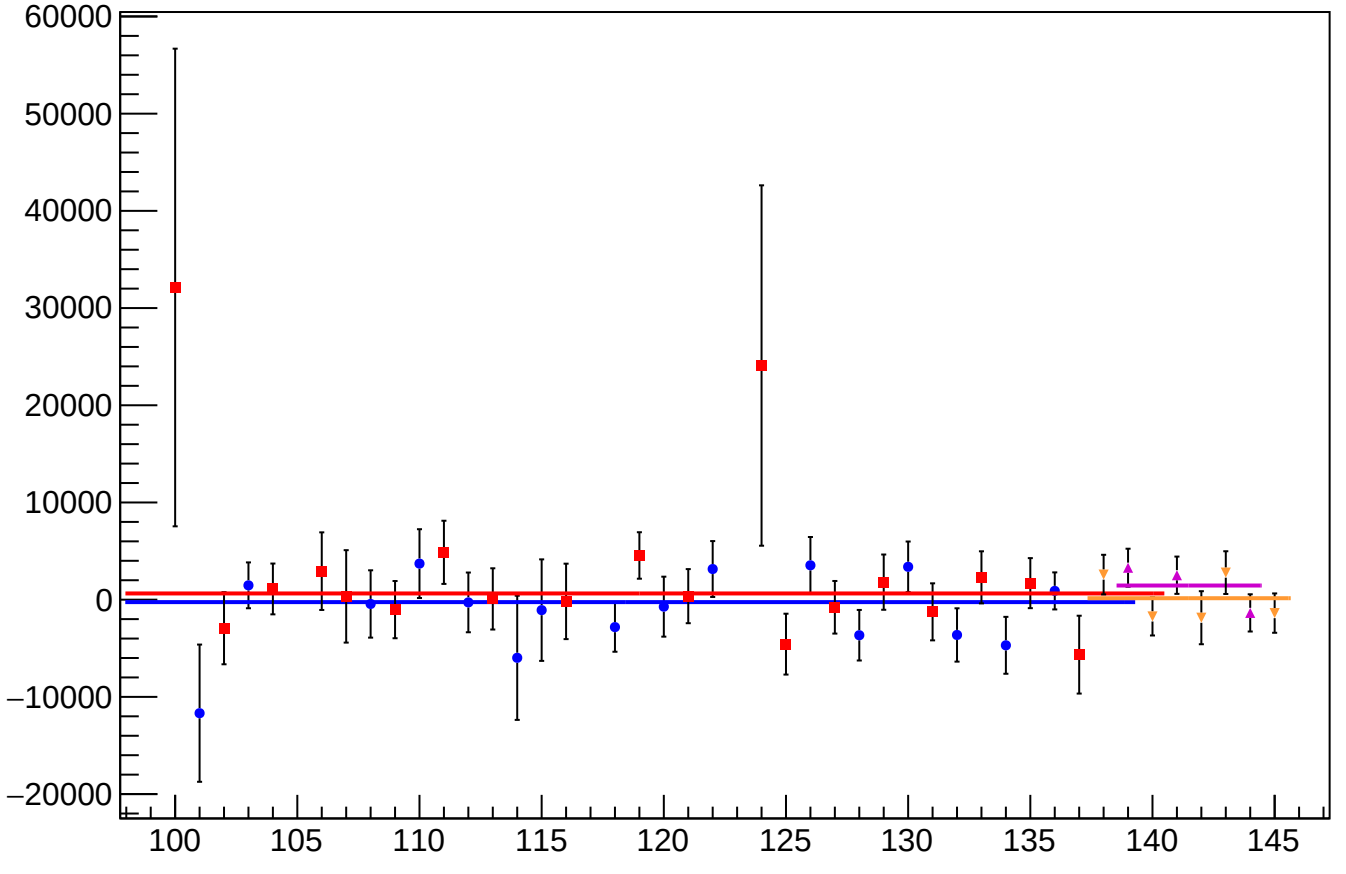
Left In: 425.393+/-0.188 χ^2/NDF:67881.2/2

+ sign 528.828+/-0.123 χ^2/NDF: 2962903.2/20

All: 522.401+/-0.089 χ^2/NDF: 6405188.9/42

- sign 515.284+/-0.129 χ^2/NDF: 3436525.1/21

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

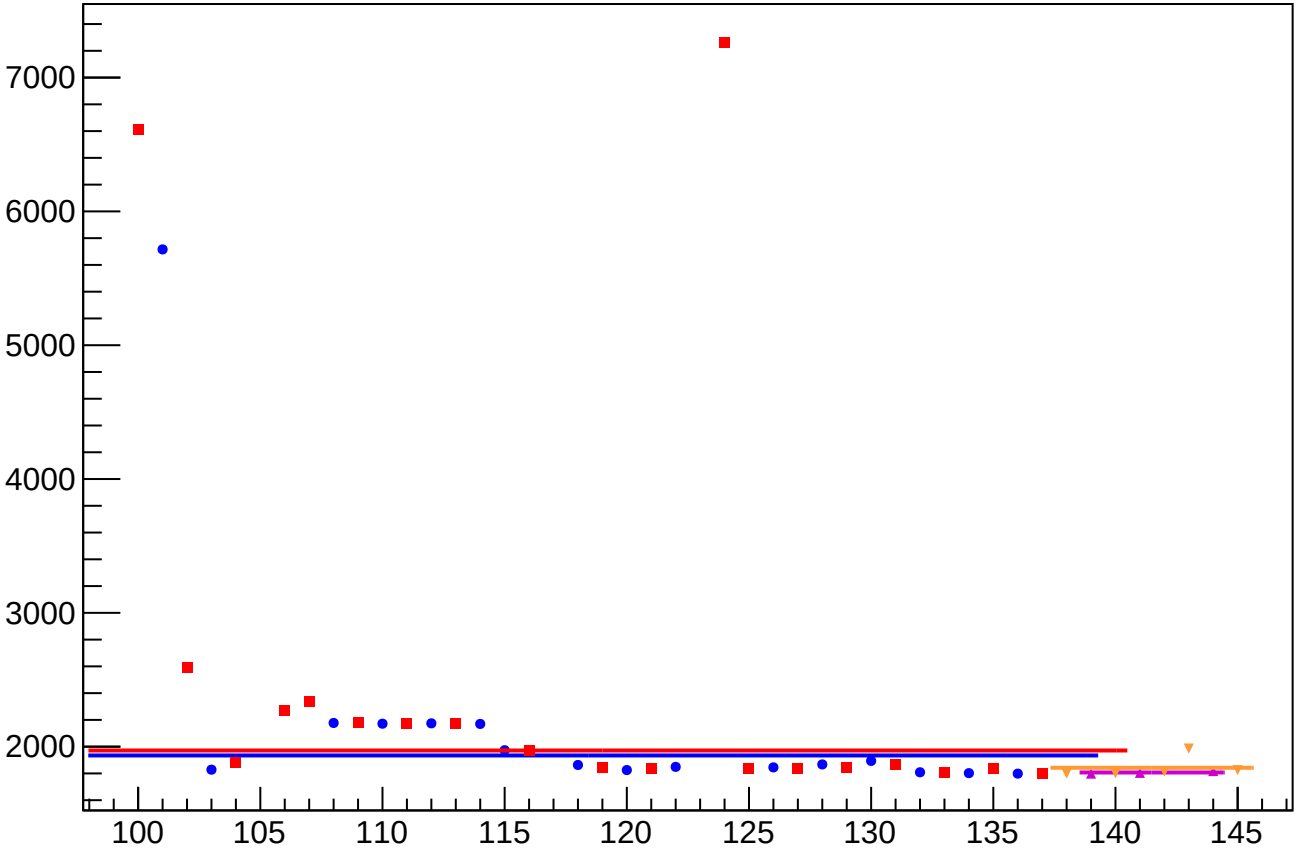
Left In: 1456.277+/-1113.825 χ^2/NDF:3.3/2

+ sign -102.053+/-583.484 χ^2/NDF: 22.2/20

All: 367.914+/-423.083 χ^2/NDF: 43.3/42

- sign 888.950+/-614.369 χ^2/NDF: 19.7/21

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

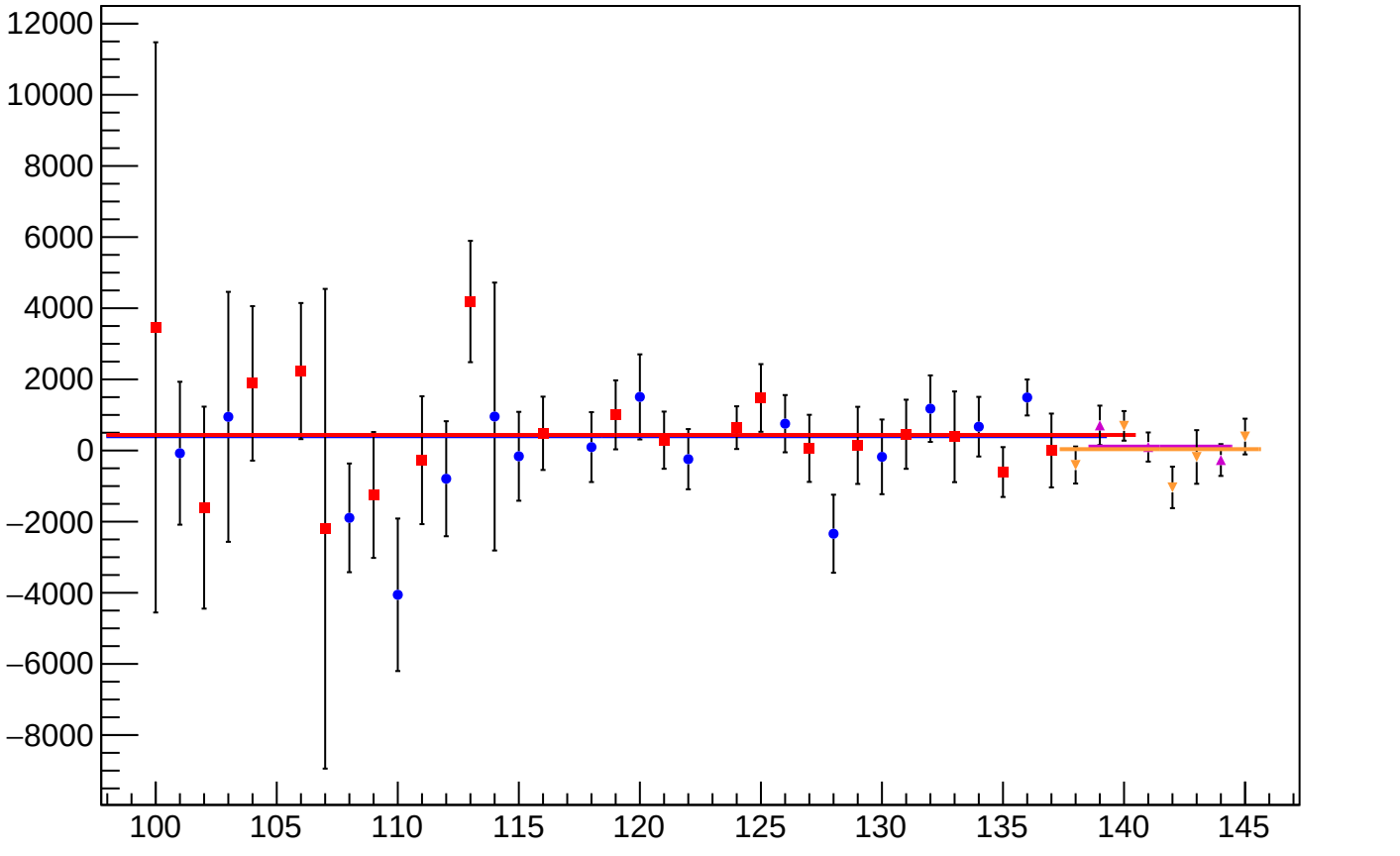
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1807.079+/-0.788 χ^2/NDF:102.3/2

+ sign 1900.209+/-0.413 χ^2/NDF: 662226.9/20

All: 1910.247+/-0.299 χ^2/NDF: 1077023.8/42

- sign 1921.376+/-0.434 χ^2/NDF: 413548.7/21



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 37.673+/-234.823 χ^2/NDF:7.2/4

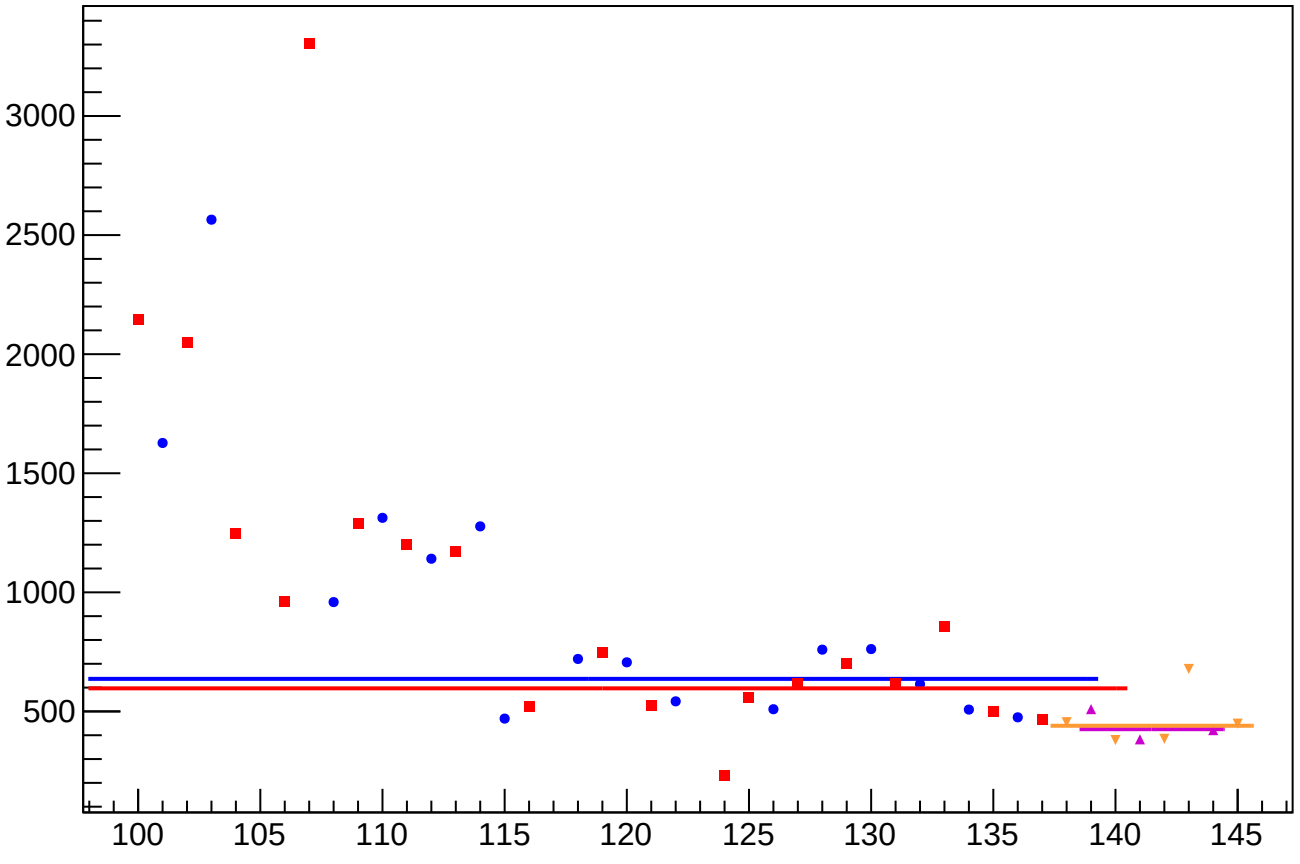
Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 108.800+/-265.233 χ^2/NDF:1.9/2

+ sign 202.663+/-173.833 χ^2/NDF: 29.4/20

All: 239.686+/-126.017 χ^2/NDF: 44.6/42

- sign 280.693+/-182.946 χ^2/NDF: 15.0/21



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

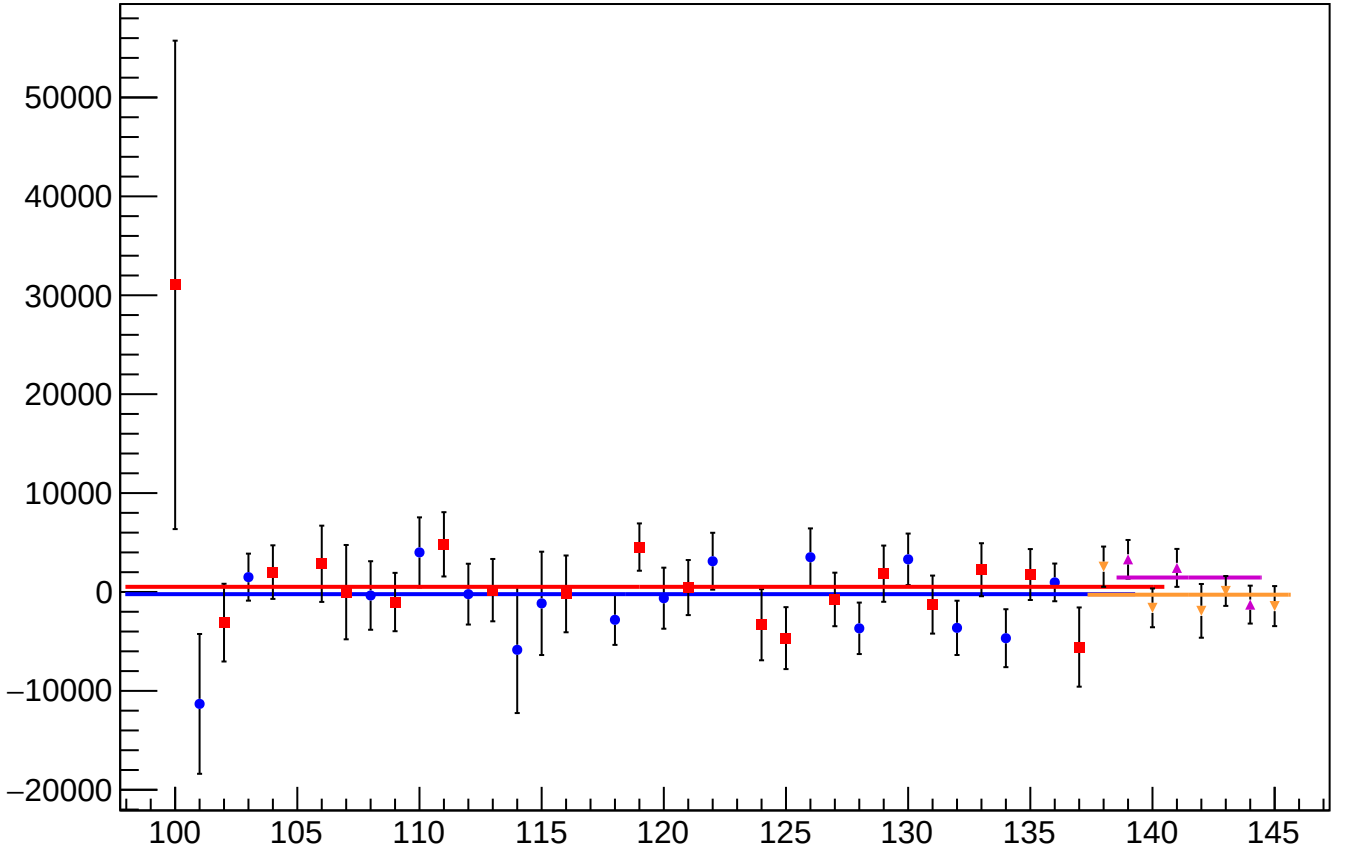
Left In: 425.393+/-0.188 χ^2/NDF:67881.2/2

+ sign 528.828+/-0.123 χ^2/NDF: 2962903.2/20

All: 522.401+/-0.089 χ^2/NDF: 6405188.9/42

- sign 515.284+/-0.129 χ^2/NDF: 3436525.1/21

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

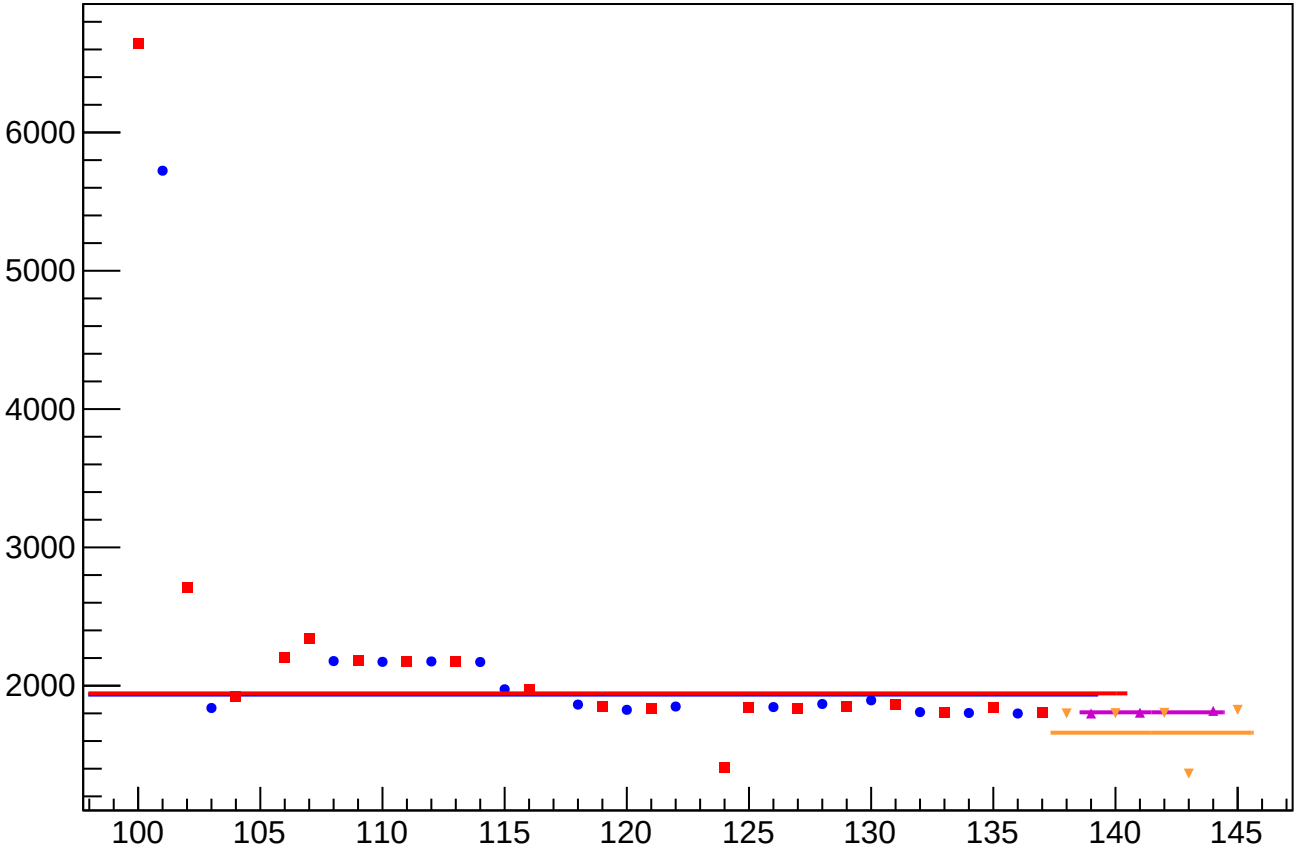
Left In: 1462.024+/-1114.169 χ^2/NDF:3.2/2

+ sign -243.360+/-562.049 χ^2/NDF: 20.3/20

All: 237.878+/-412.613 χ^2/NDF: 41.1/42

- sign 800.397+/-607.663 χ^2/NDF: 19.3/21

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

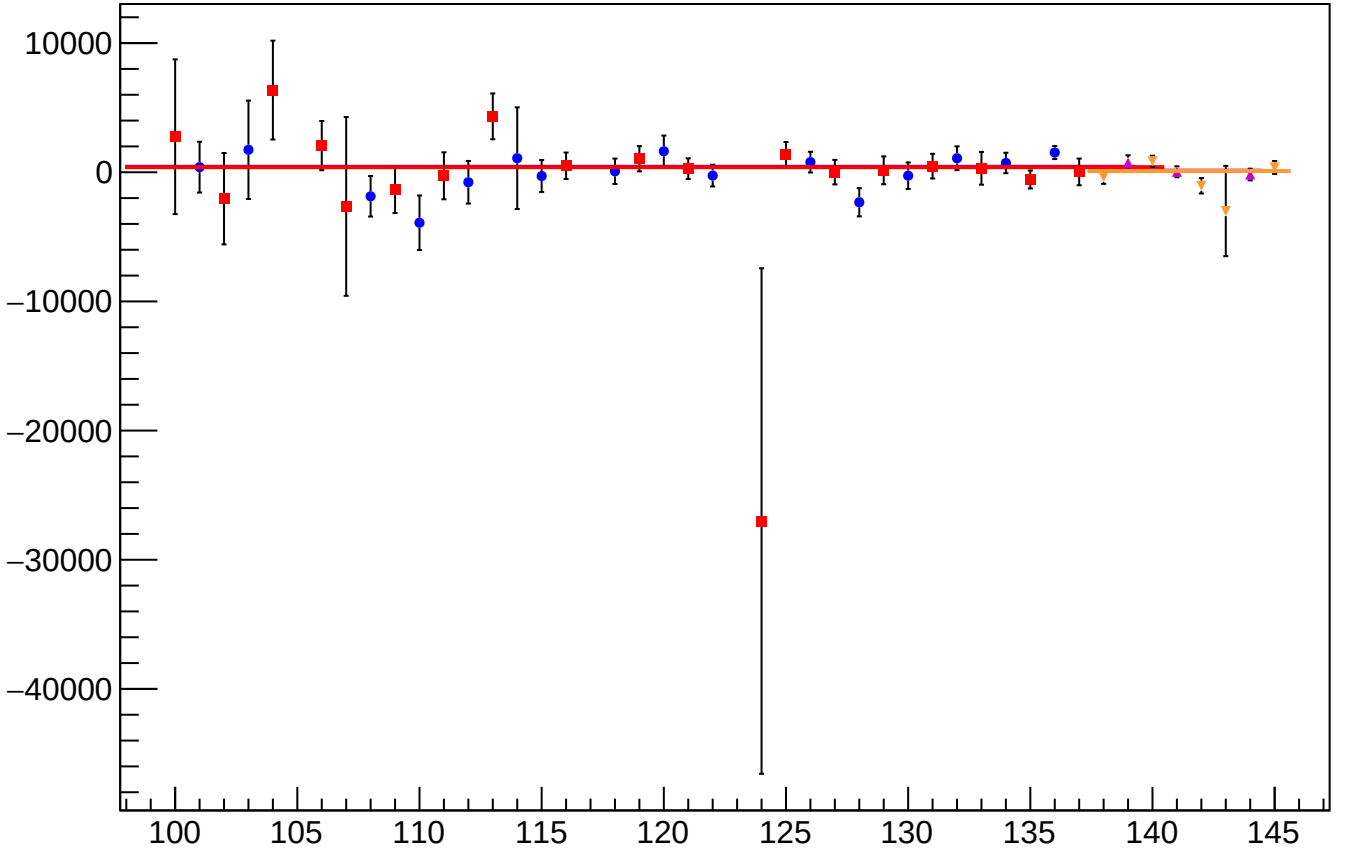
Left In: 1807.636+/-0.788 χ^2/NDF:102.4/2

+ sign 1821.091+/-0.397 χ^2/NDF: 872168.8/20

All: 1859.218+/-0.292 χ^2/NDF: 1189657.0/42

- sign 1903.785+/-0.430 χ^2/NDF: 297526.6/21

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

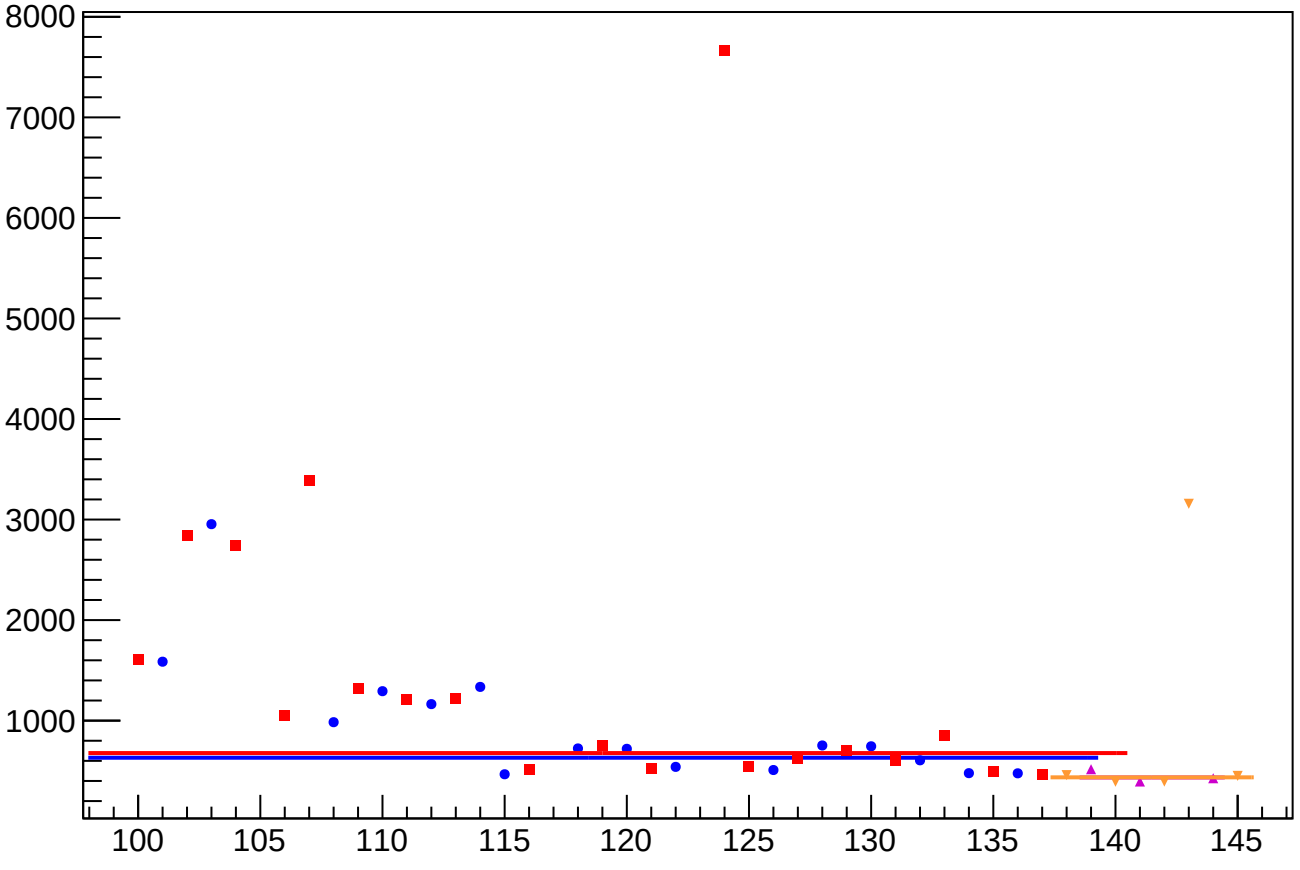
Left In: 126.300+/-270.455 χ^2/NDF:1.7/2

+ sign 255.263+/-179.335 χ^2/NDF: 31.0/20

All: 255.382+/-131.807 χ^2/NDF: 49.0/42

- sign 255.521+/-194.381 χ^2/NDF: 18.1/21

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

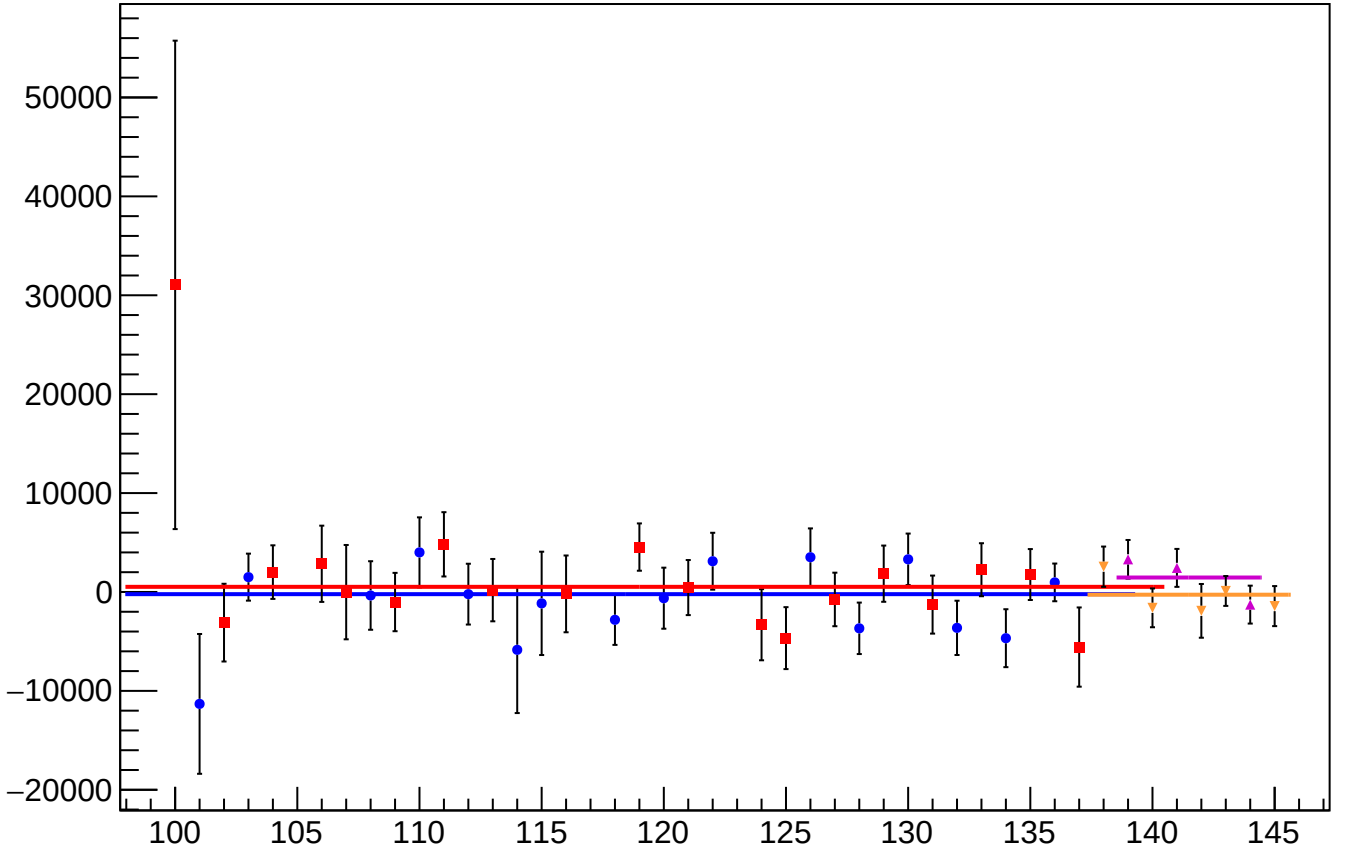
Left In: 434.655+/-0.191 χ^2/NDF:61164.2/2

\+ sign 531.231+/-0.127 χ^2/NDF: 4074683.1/20

All: 540.794+/-0.093 χ^2/NDF: 8008935.1/42

\- sign 552.028+/-0.137 χ^2/NDF: 3921885.4/21

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

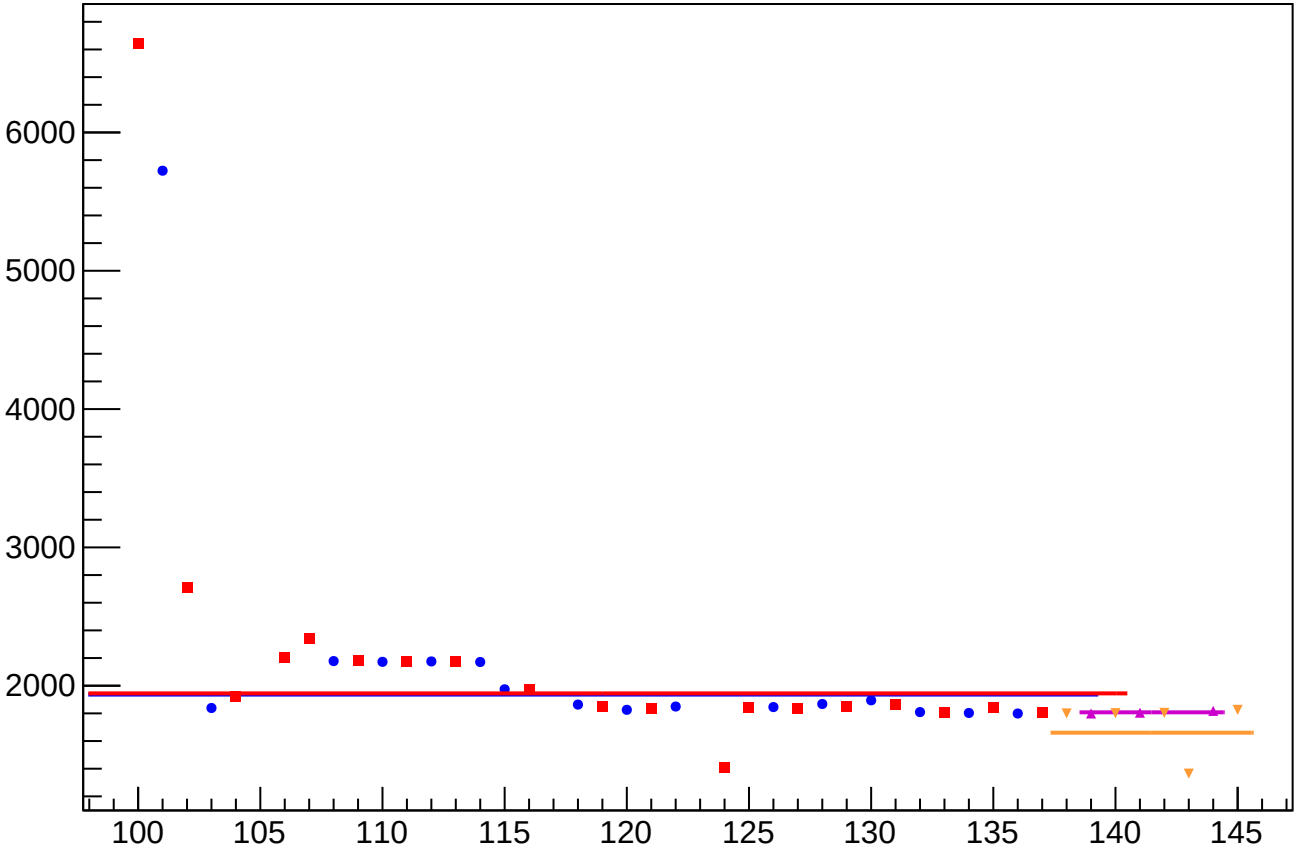
Left In: 1462.025+/-1114.169 χ^2/NDF:3.2/2

+ sign -243.361+/-562.049 χ^2/NDF: 20.3/20

All: 237.878+/-412.613 χ^2/NDF: 41.1/42

- sign 800.398+/-607.663 χ^2/NDF: 19.3/21

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

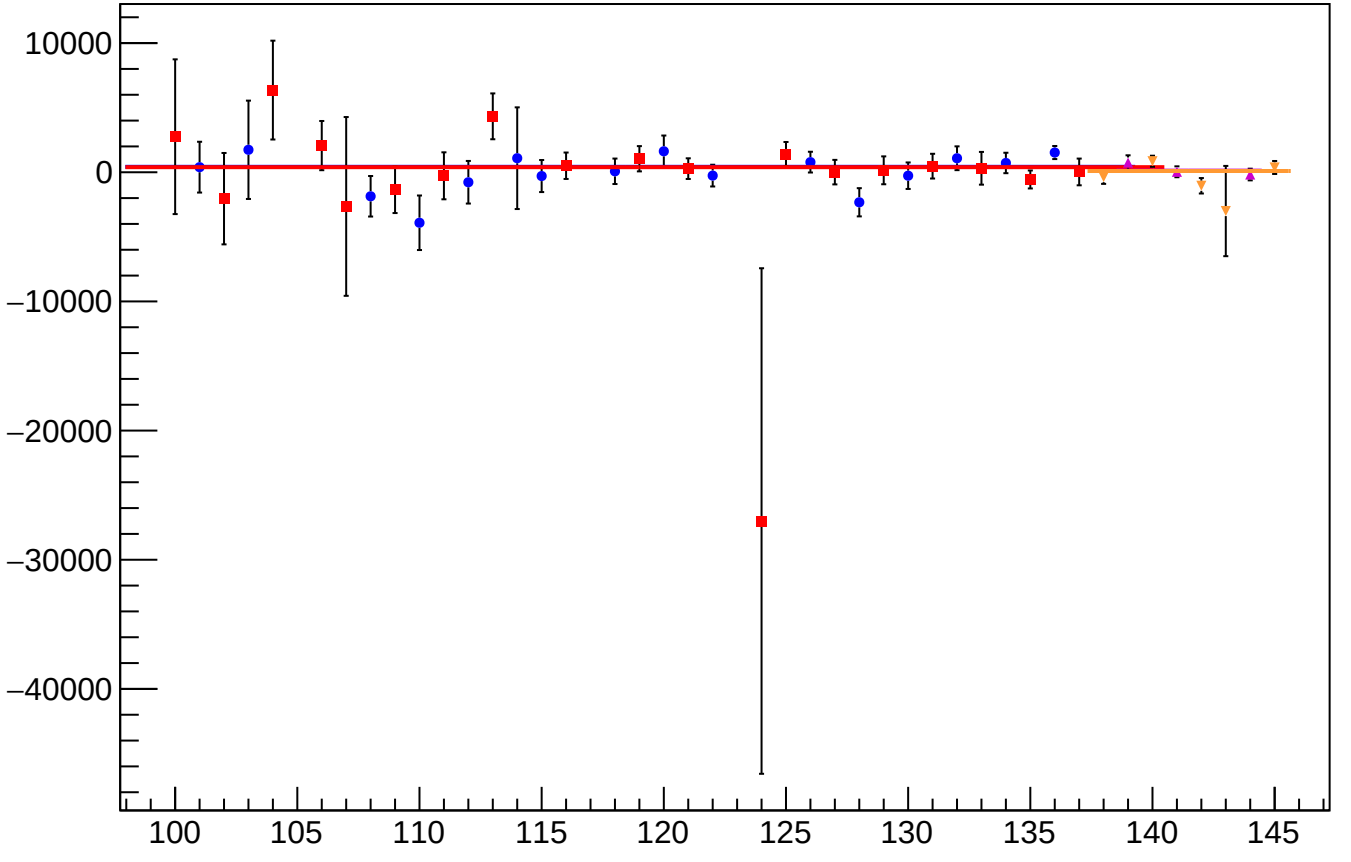
Left In: 1807.636+/-0.788 χ^2/NDF:102.4/2

+ sign 1821.091+/-0.397 χ^2/NDF: 872168.8/20

All: 1859.218+/-0.292 χ^2/NDF: 1189656.8/42

- sign 1903.785+/-0.430 χ^2/NDF: 297526.4/21

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

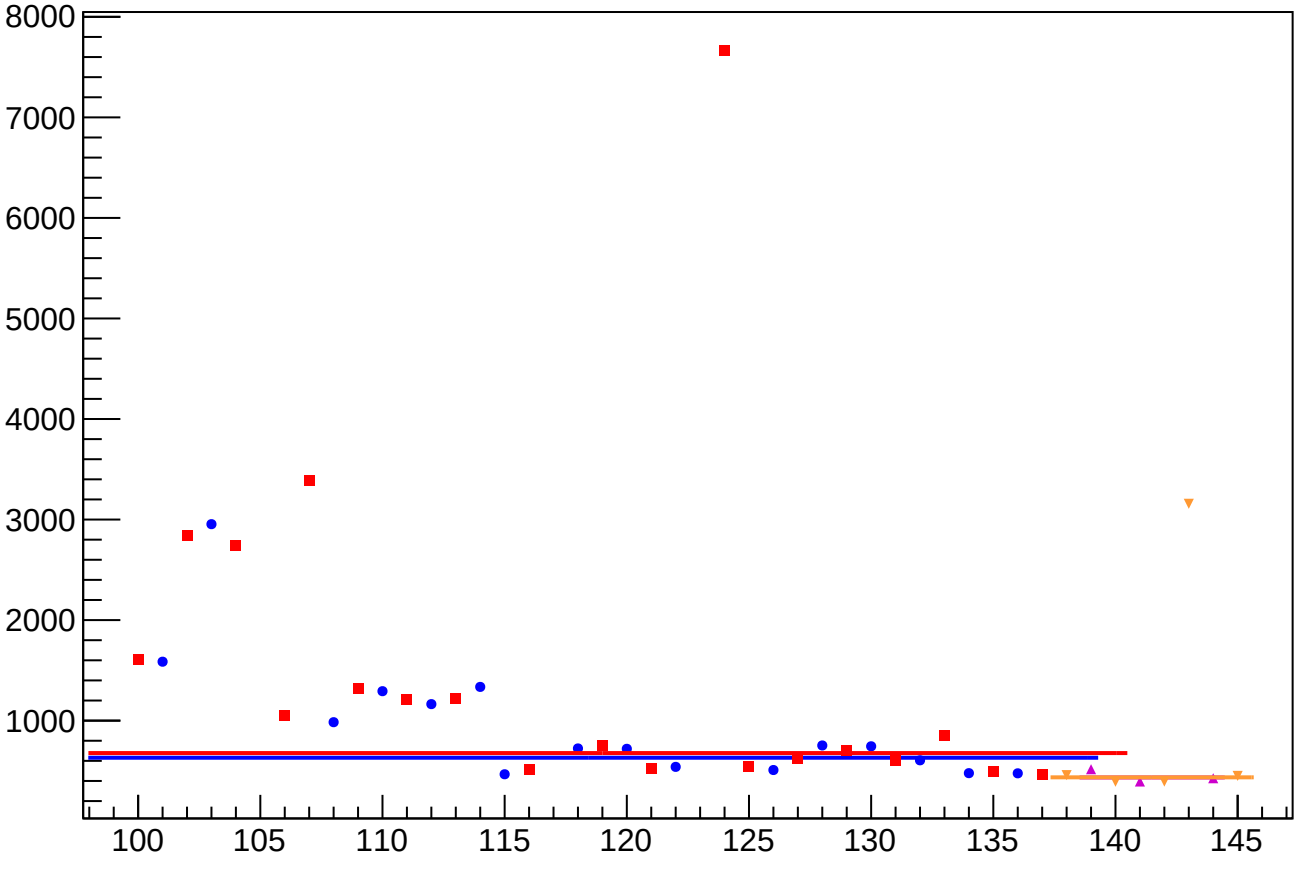
Left In: 126.301+/-270.455 χ^2/NDF:1.7/2

+ sign 255.264+/-179.334 χ^2/NDF: 31.0/20

All: 255.382+/-131.807 χ^2/NDF: 49.0/42

- sign 255.521+/-194.381 χ^2/NDF: 18.1/21

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

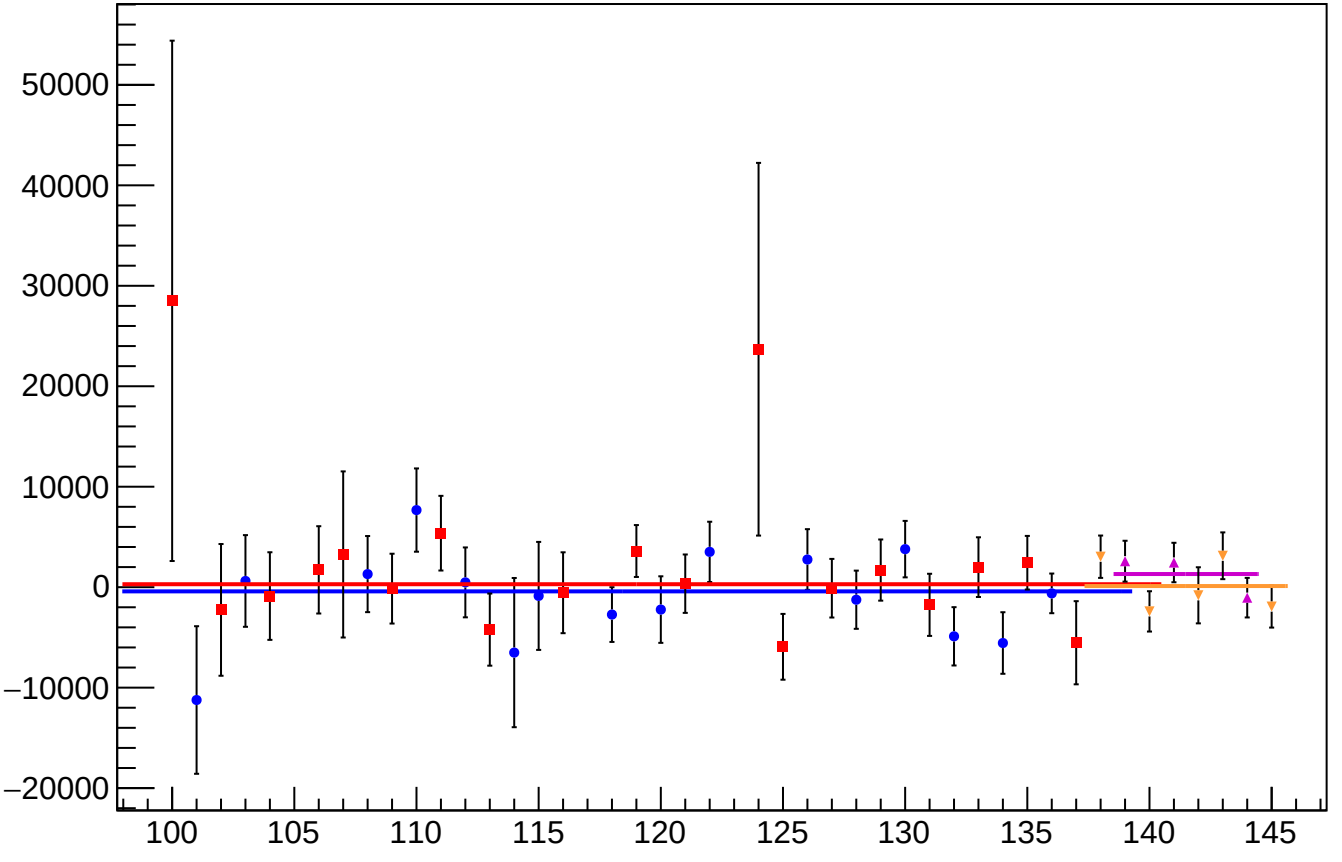
Left In: 434.655+/-0.191 χ^2/NDF:61164.4/2

\+ sign 531.230+/-0.127 χ^2/NDF: 4074689.2/20

All: 540.793+/-0.093 χ^2/NDF: 8008946.5/42

\- sign 552.027+/-0.137 χ^2/NDF: 3921890.1/21

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

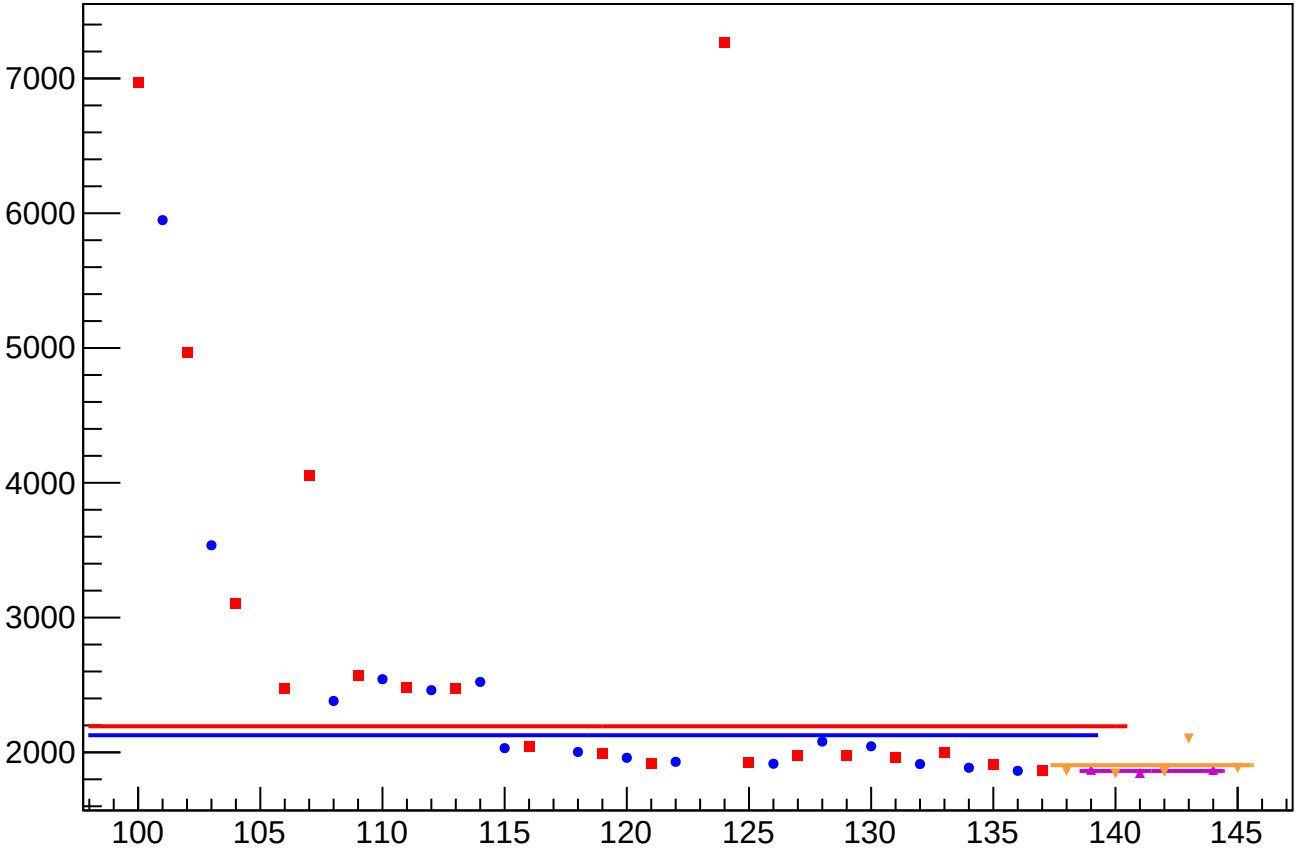
Left In: 1309.230+/-1147.726 χ^2/NDF:2.2/2

+ sign -203.795+/-630.007 χ^2/NDF: 24.8/20

All: 191.829+/-460.064 χ^2/NDF: 43.9/42

- sign 643.853+/-673.417 χ^2/NDF: 18.3/21

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

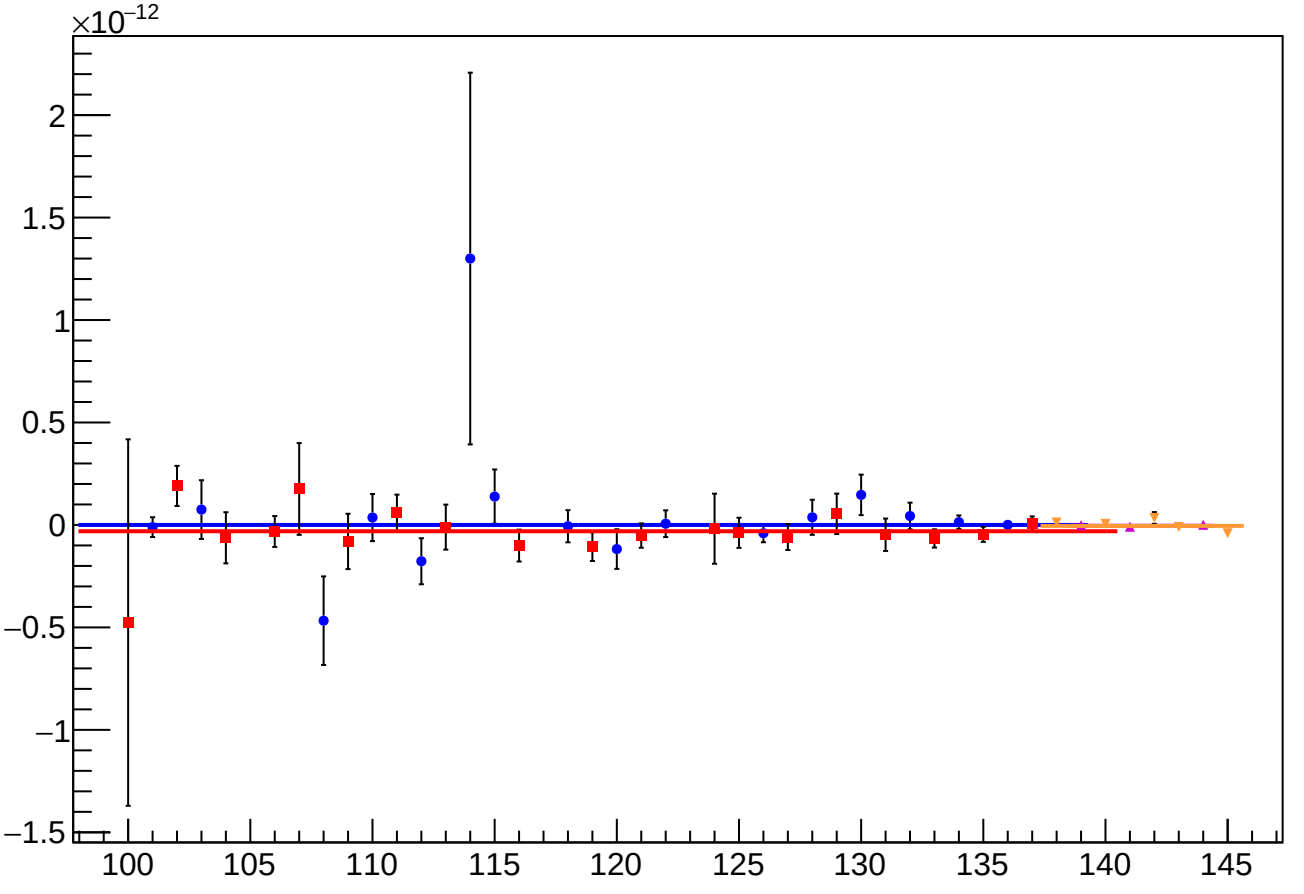
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1862.044+/-0.812 χ^2/NDF:172.0/2

+ sign 2037.559+/-0.445 χ^2/NDF: 952934.6/20

All: 2057.102+/-0.325 χ^2/NDF: 2009230.0/42

- sign 2079.431+/-0.476 χ^2/NDF: 1052172.1/21



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

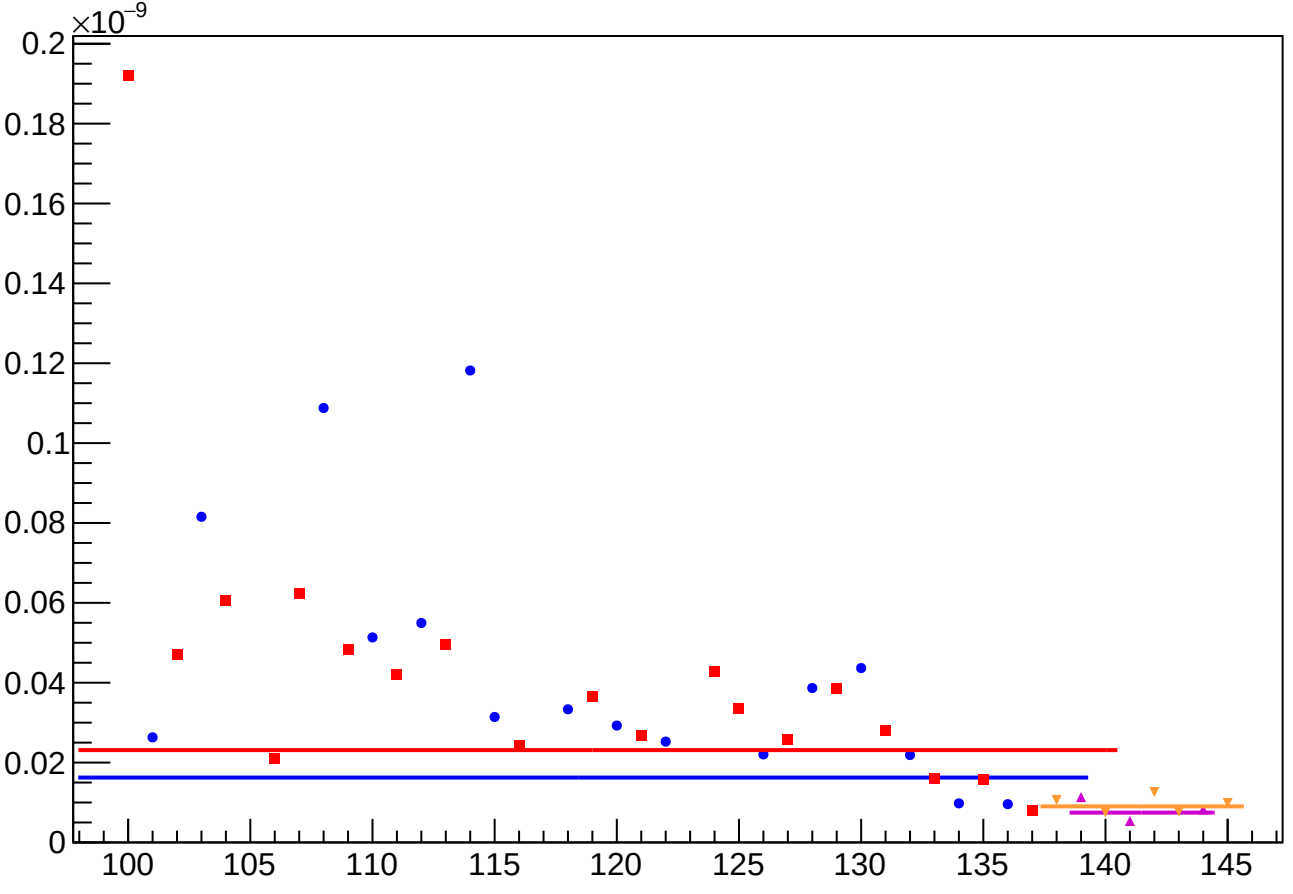
Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/20

All: -0.000+/-0.000 χ^2/NDF: 40.0/42

- sign -0.000+/-0.000 χ^2/NDF: 15.1/21

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

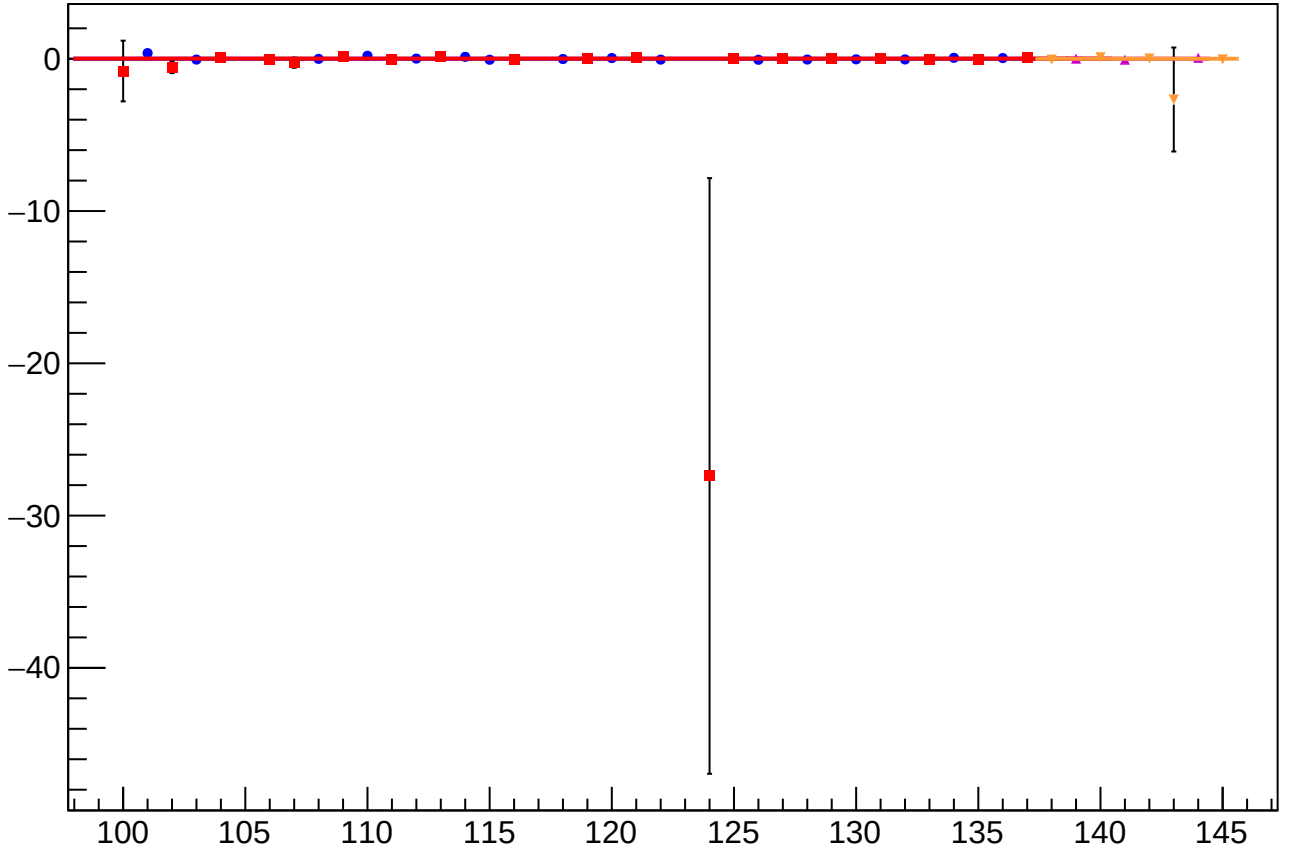
Left In: 0.000+/-0.000 χ^2/NDF:170163.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 2907421.2/20

All: 0.000+/-0.000 χ^2/NDF: 6086526.6/42

- sign 0.000+/-0.000 χ^2/NDF: 3172765.1/21

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

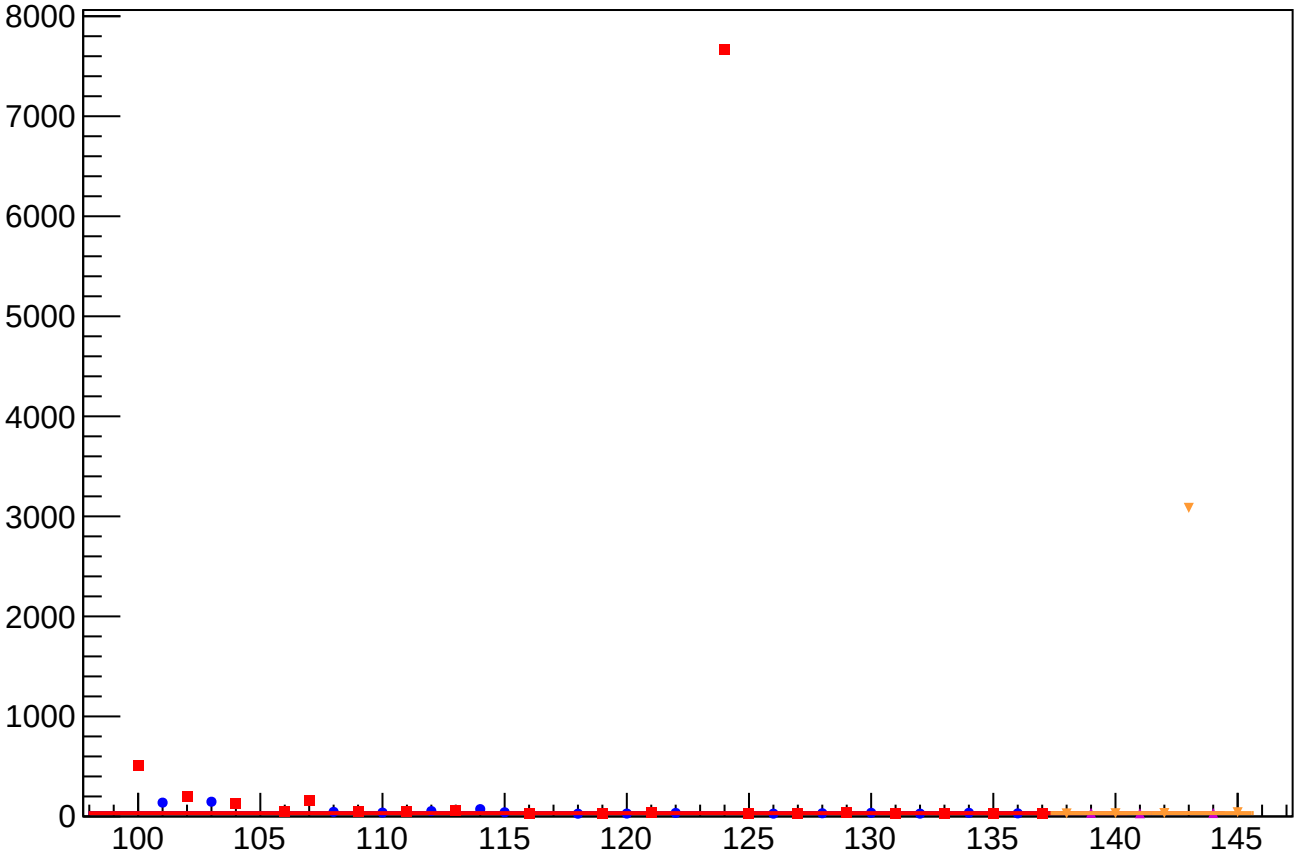
Left In: 0.003+/-0.022 χ^2/NDF:5.5/2

+ sign 0.002+/-0.012 χ^2/NDF: 30.8/20

All: 0.005+/-0.009 χ^2/NDF: 50.8/42

- sign 0.009+/-0.012 χ^2/NDF: 19.8/21

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

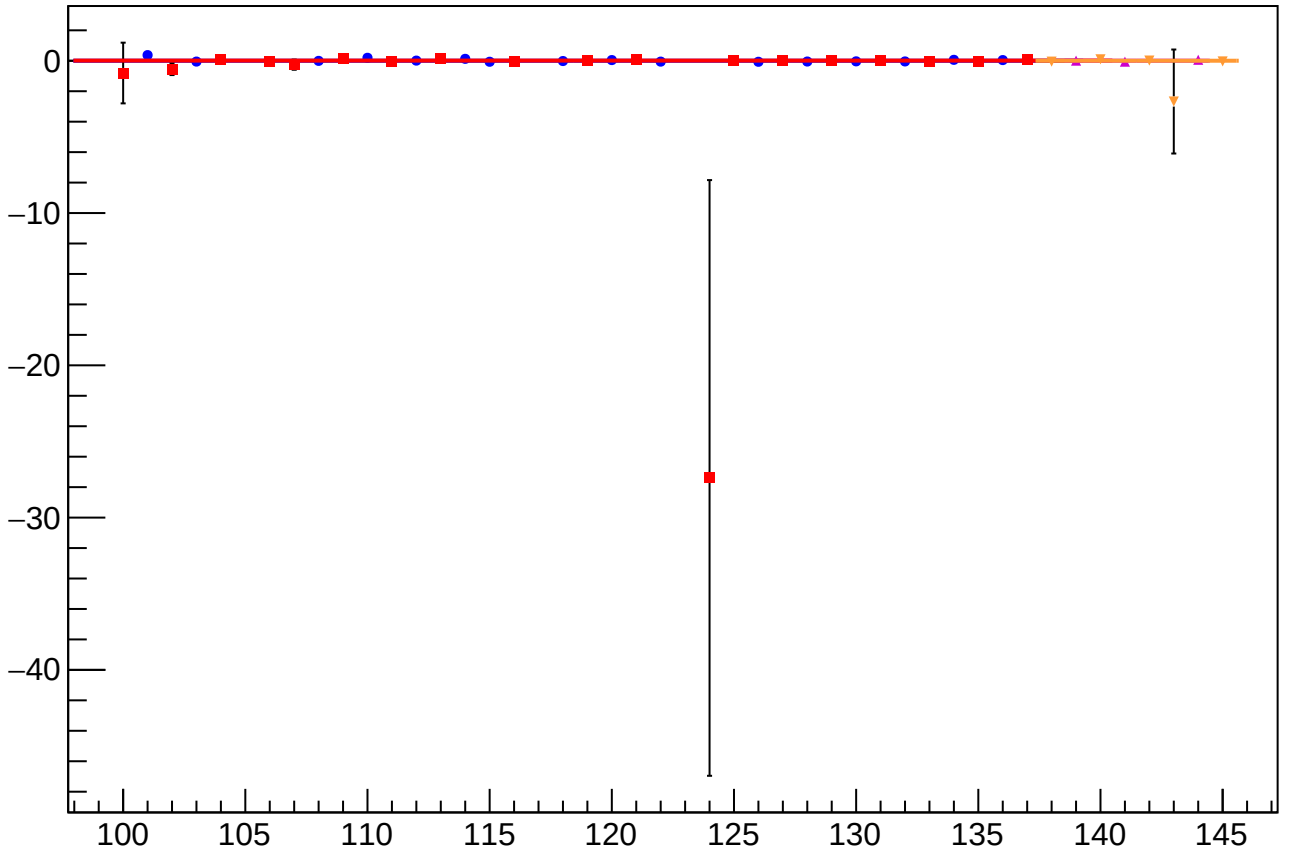
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.067+/-0.016 χ^2/NDF:9632.9/2

+ sign 33.983+/-0.009 χ^2/NDF: 3392927.7/20

All: 33.689+/-0.006 χ^2/NDF: 5482746.1/42

- sign 33.385+/-0.009 χ^2/NDF: 2087445.5/21



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

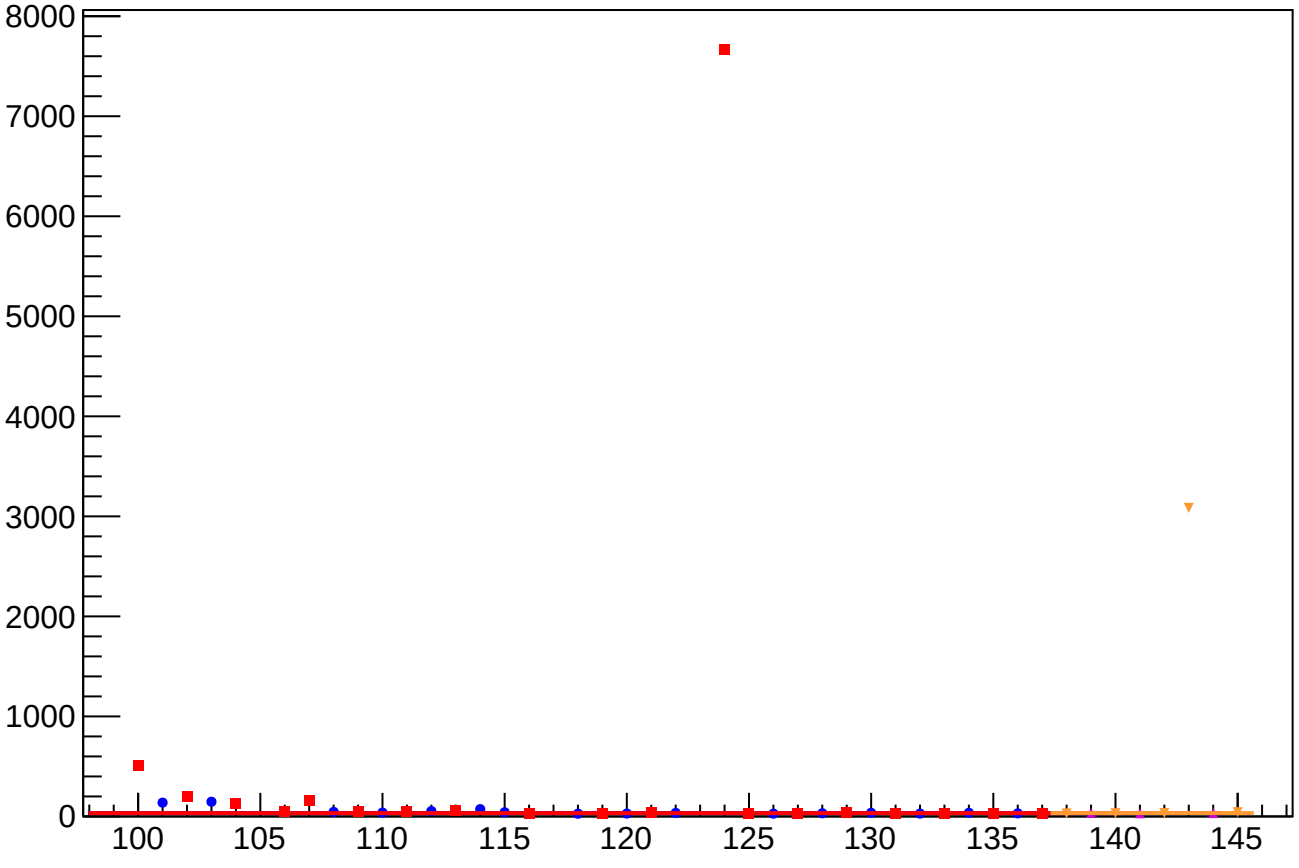
Left In: 0.003+/-0.022 χ^2/NDF:5.5/2

+ sign 0.002+/-0.012 χ^2/NDF: 30.8/20

All: 0.005+/-0.009 χ^2/NDF: 50.8/42

- sign 0.009+/-0.012 χ^2/NDF: 19.8/21

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

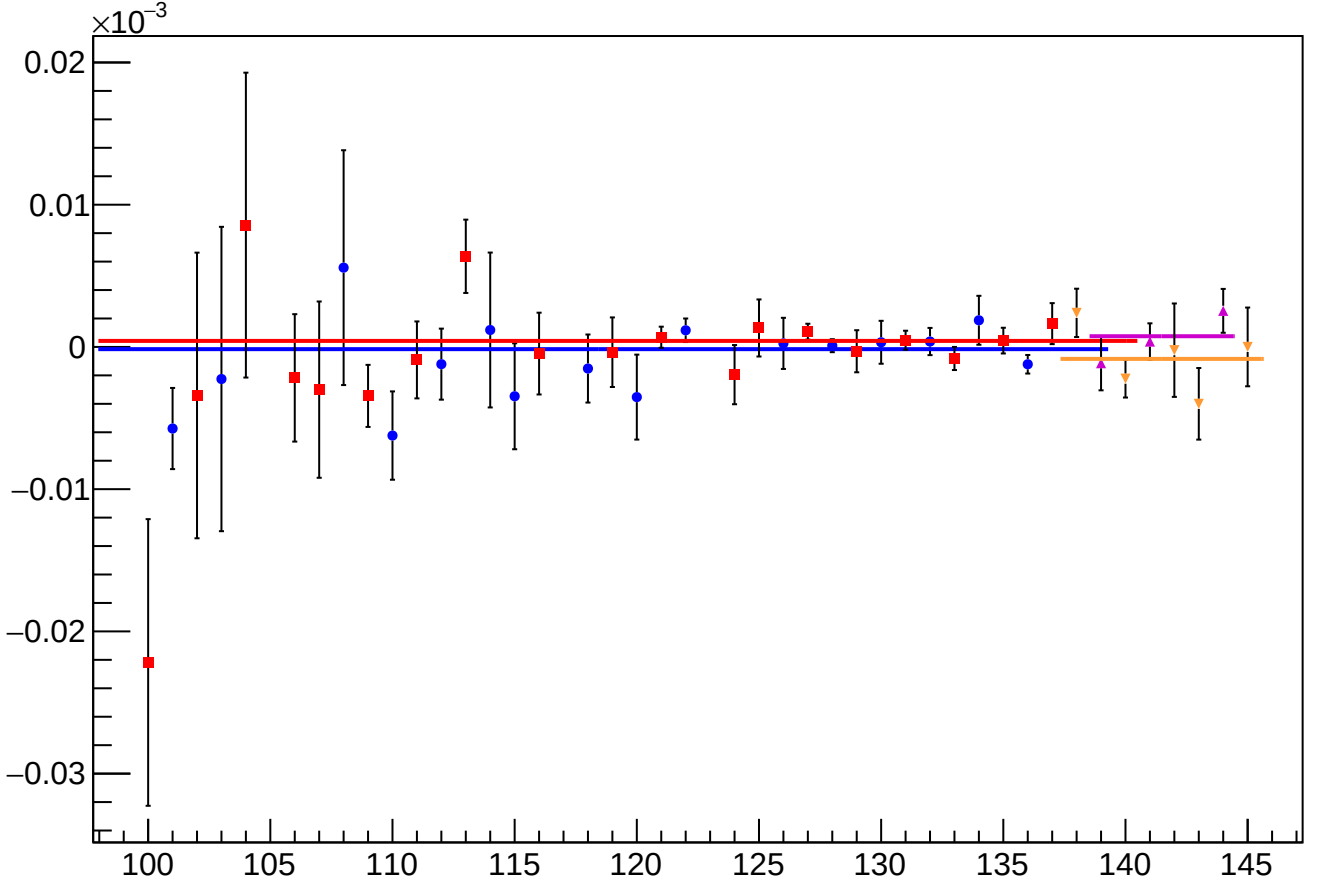
Left In: 34.067+/-0.016 χ^2/NDF:9632.9/2

+ sign 33.983+/-0.009 χ^2/NDF: 3392927.7/20

All: 33.689+/-0.006 χ^2/NDF: 5482746.1/42

- sign 33.385+/-0.009 χ^2/NDF: 2087445.5/21

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

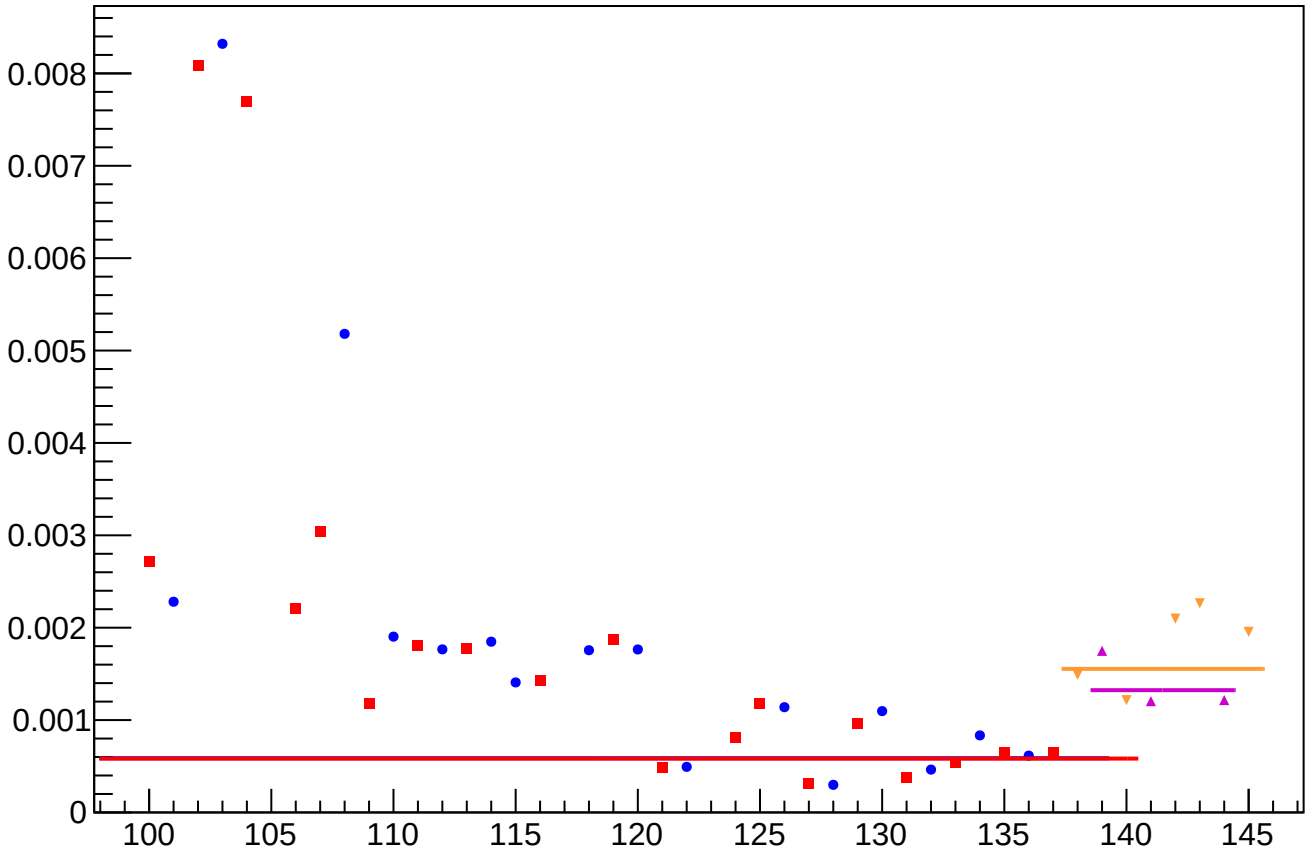
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/20

All: 0.000+/-0.000 χ^2/NDF: 52.3/42

- sign 0.000+/-0.000 χ^2/NDF: 24.1/21



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:388905.9/4

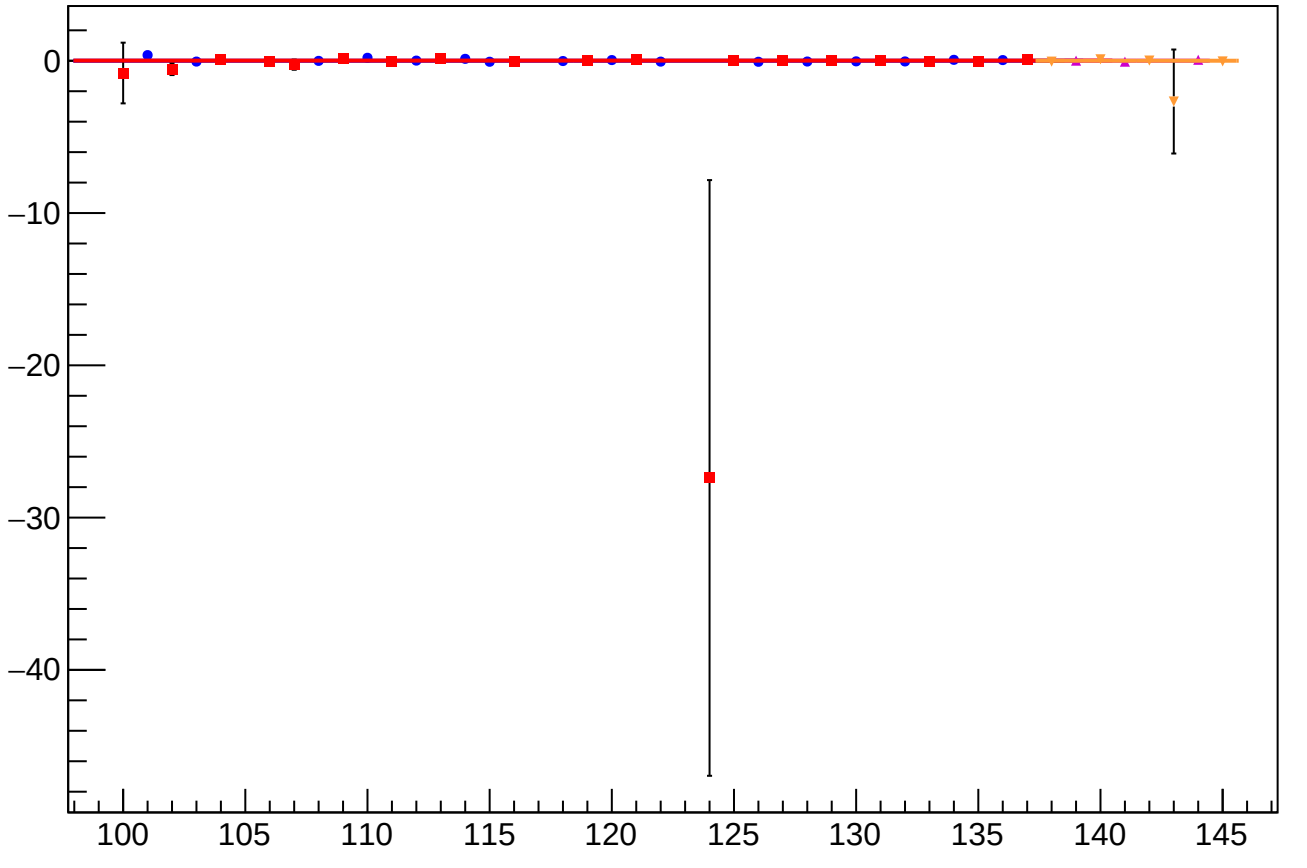
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126590.1/2

+ sign 0.001+/-0.000 χ^2/NDF: 8056532.8/20

All: 0.001+/-0.000 χ^2/NDF: 14918619.8/42

- sign 0.001+/-0.000 χ^2/NDF: 6850220.4/21



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

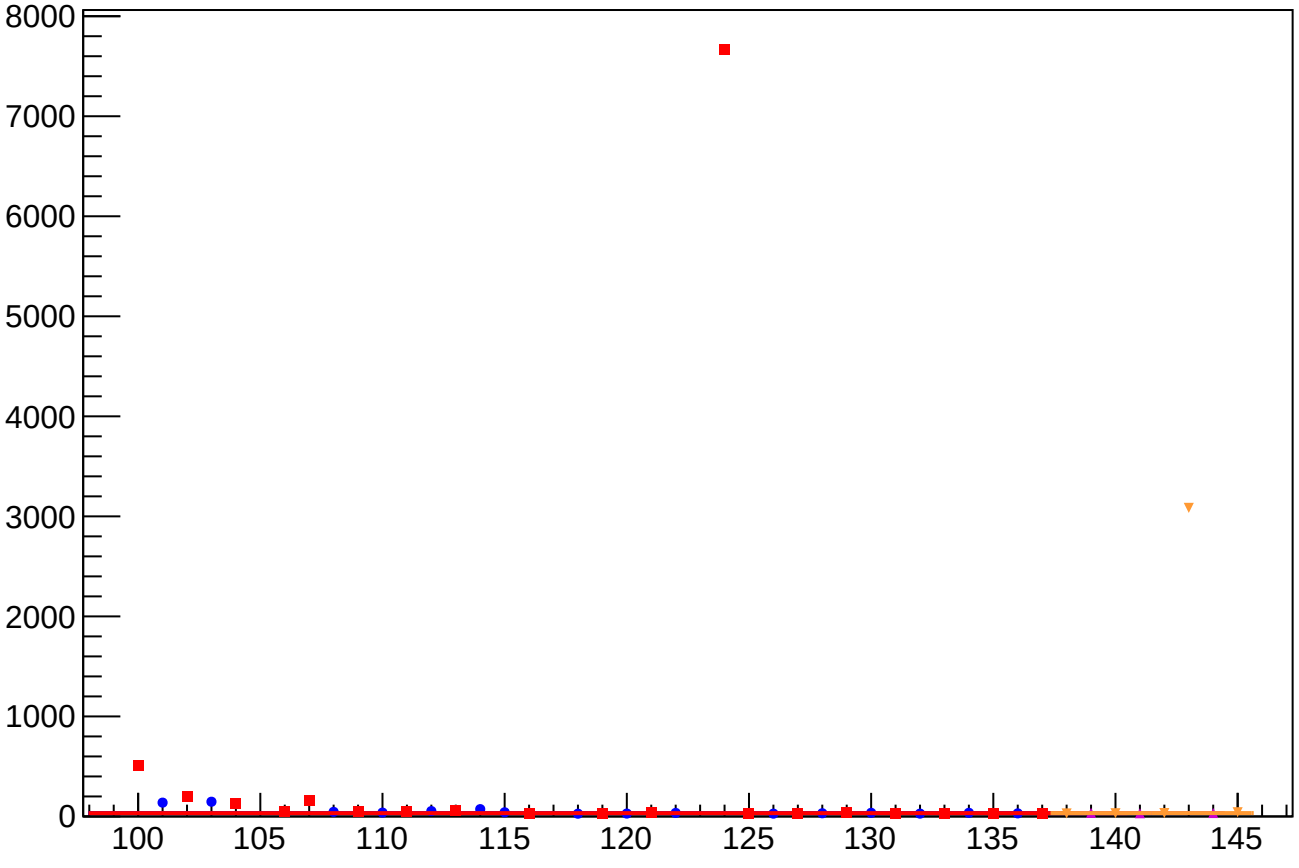
Left In: 0.003+/-0.022 χ^2/NDF:5.5/2

+ sign 0.002+/-0.012 χ^2/NDF: 30.8/20

All: 0.005+/-0.009 χ^2/NDF: 50.8/42

- sign 0.009+/-0.012 χ^2/NDF: 19.8/21

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

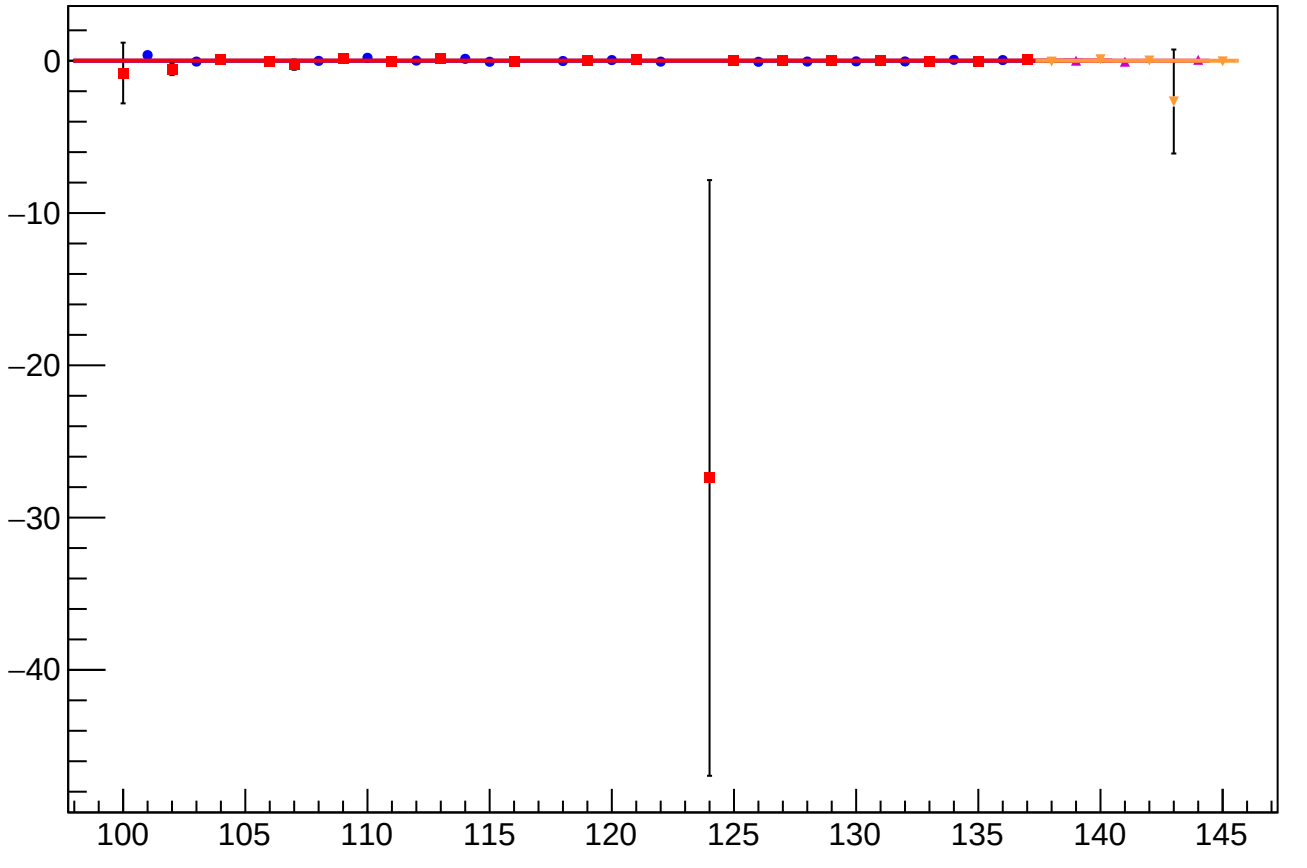
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.067+/-0.016 χ^2/NDF:9632.4/2

+ sign 33.983+/-0.009 χ^2/NDF: 3392921.1/20

All: 33.689+/-0.006 χ^2/NDF: 5482720.8/42

- sign 33.385+/-0.009 χ^2/NDF: 2087426.9/21



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

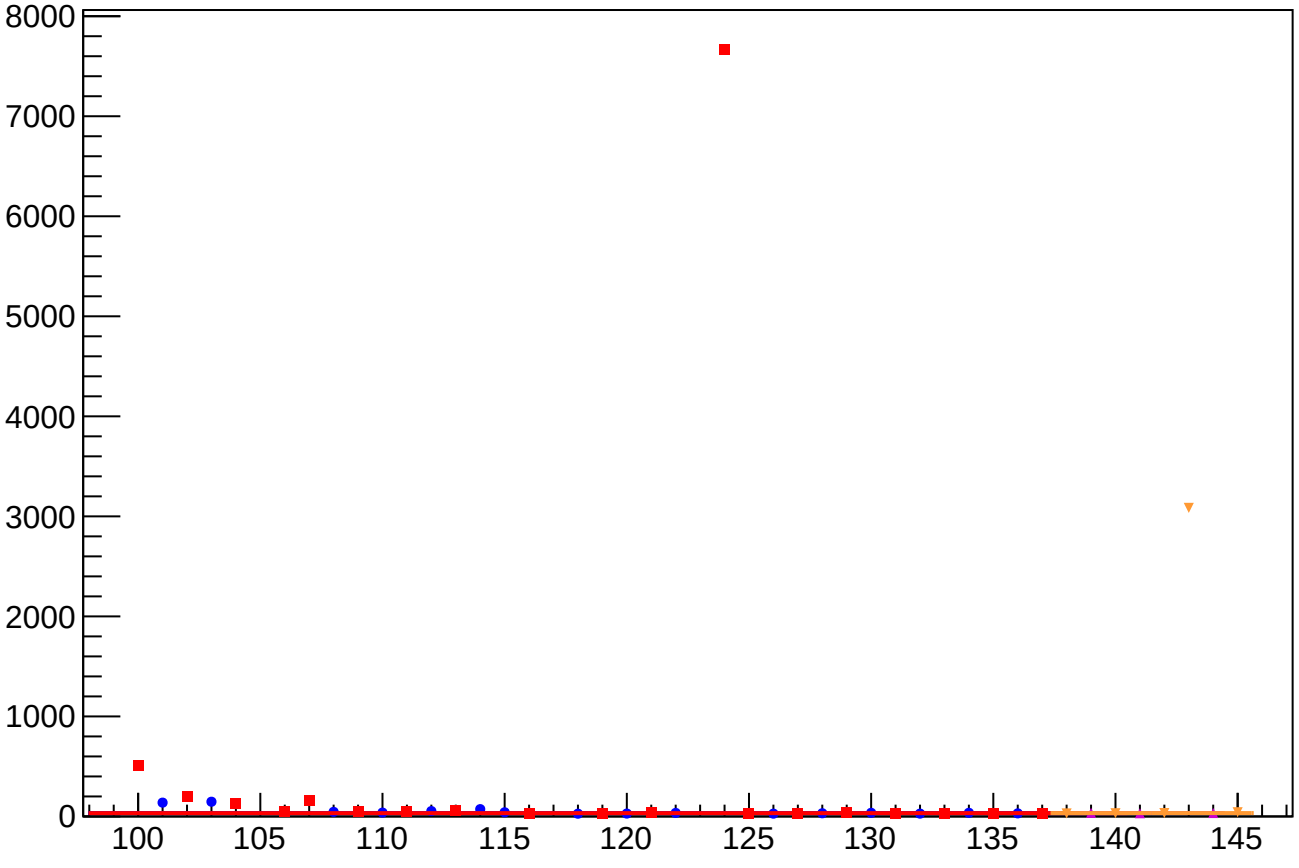
Left In: 0.003+/-0.022 χ^2/NDF:5.5/2

+ sign 0.002+/-0.012 χ^2/NDF: 30.8/20

All: 0.005+/-0.009 χ^2/NDF: 50.8/42

- sign 0.009+/-0.012 χ^2/NDF: 19.8/21

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

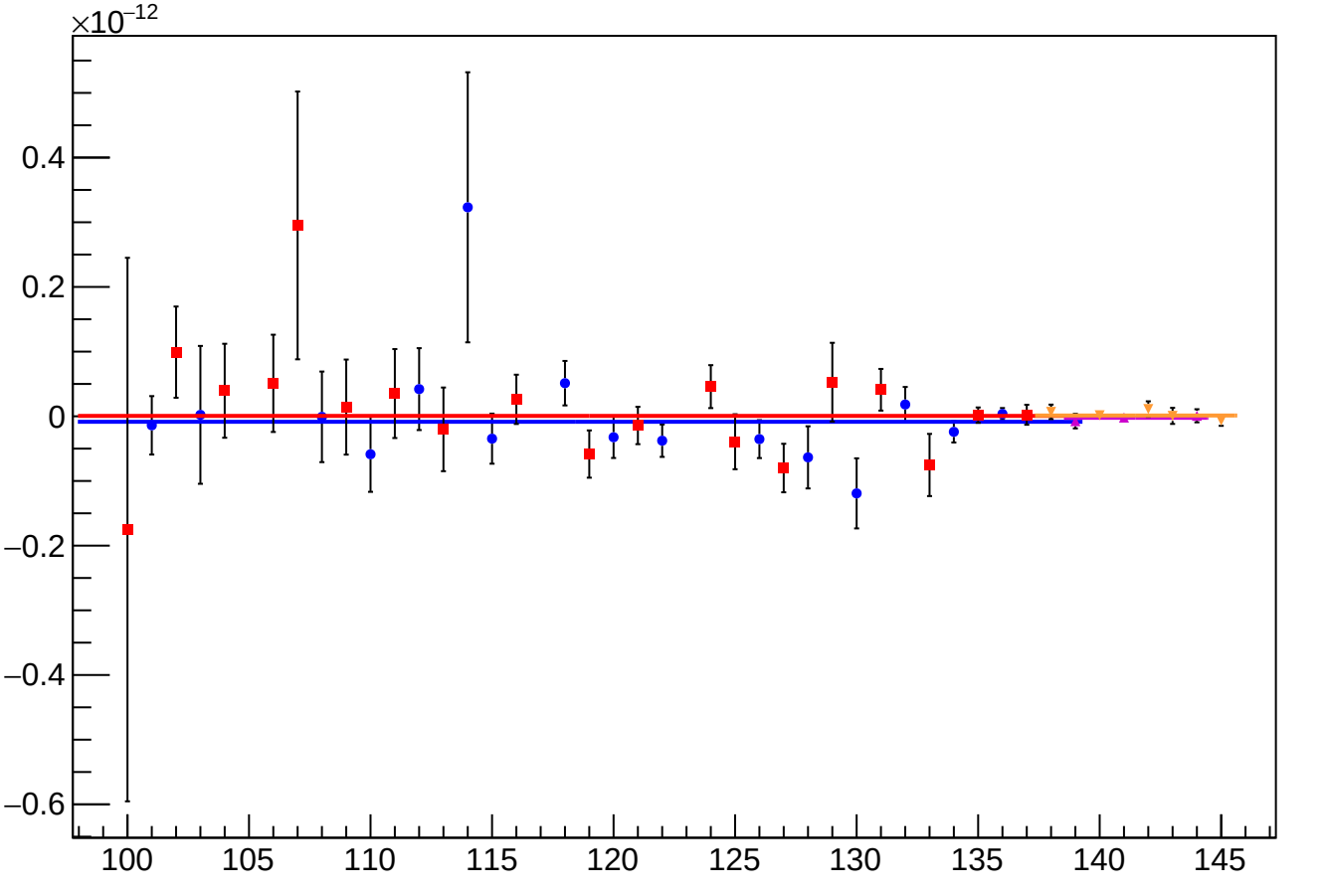
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.067+/-0.016 χ^2/NDF:9632.4/2

+ sign 33.983+/-0.009 χ^2/NDF: 3392921.1/20

All: 33.689+/-0.006 χ^2/NDF: 5482720.8/42

- sign 33.385+/-0.009 χ^2/NDF: 2087426.9/21



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/4

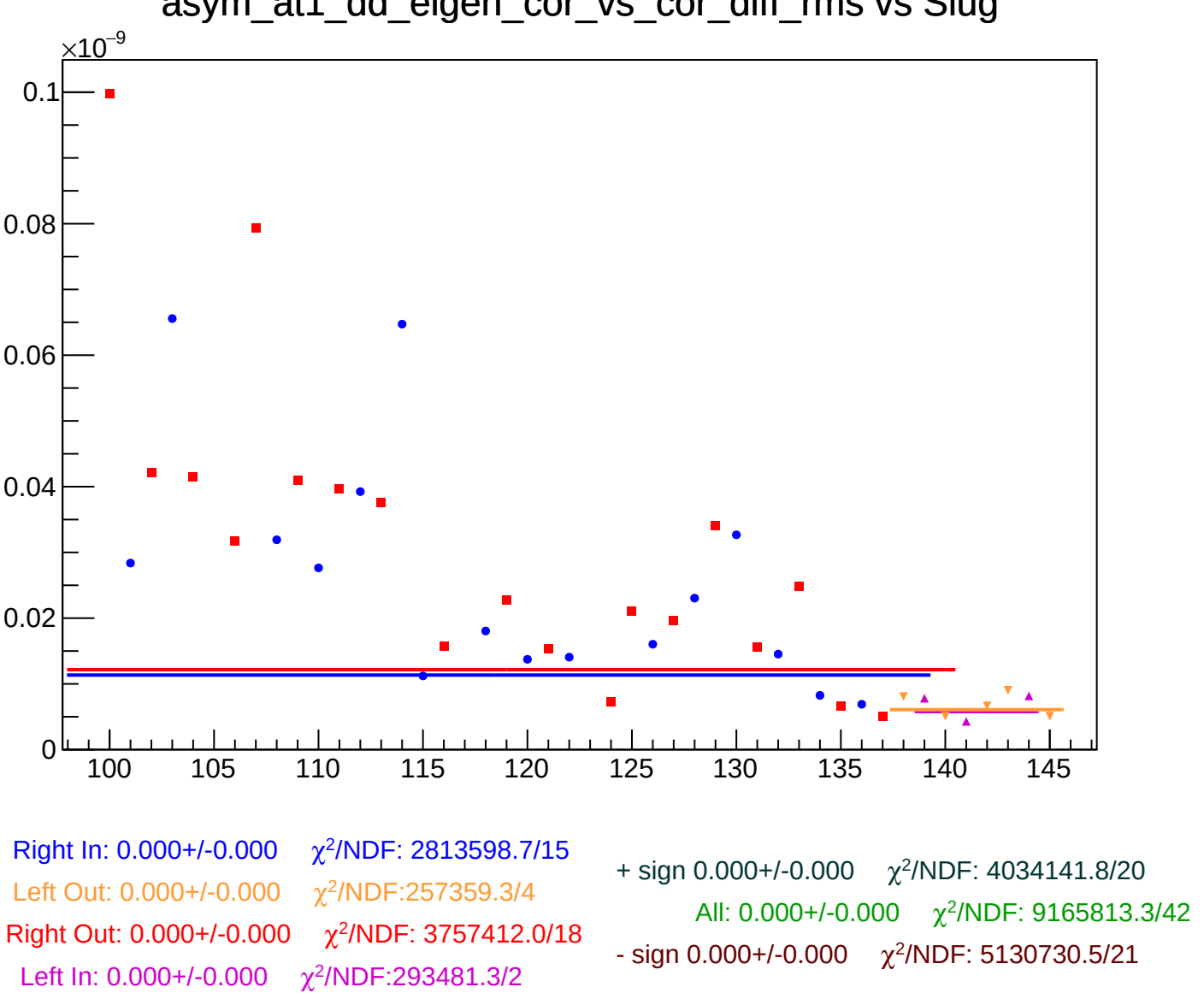
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

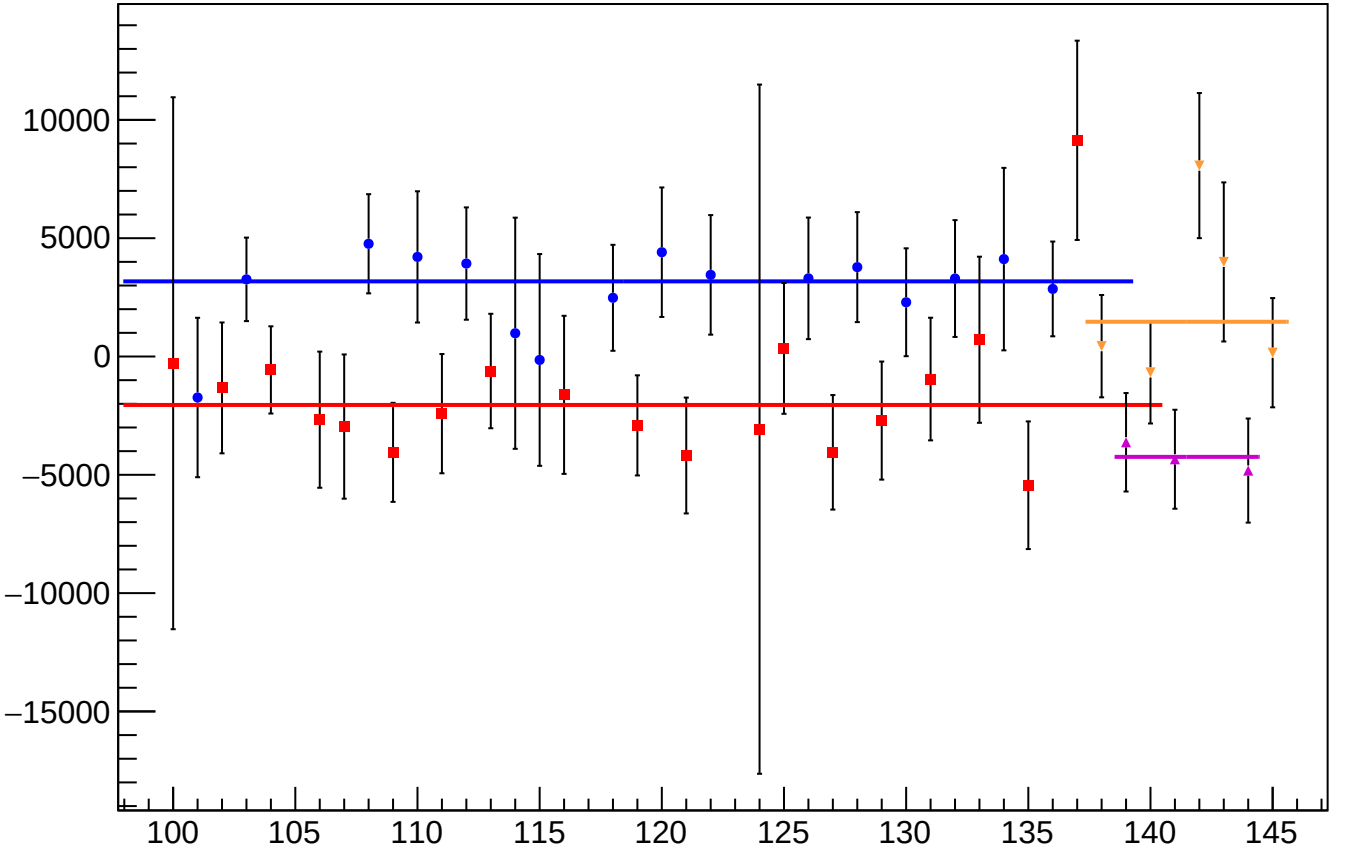
+ sign -0.000+/-0.000 χ^2/NDF: 22.8/20

All: -0.000+/-0.000 χ^2/NDF: 44.0/42

- sign -0.000+/-0.000 χ^2/NDF: 21.2/21


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
105
110
115
120
125
130
135
140
145
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:293481.3/2
+ sign 0.000+/-0.000 χ²/NDF: 4034141.8/20
All: 0.000+/-0.000 χ²/NDF: 9165813.3/42
- sign 0.000+/-0.000 χ²/NDF: 5130730.5/21

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

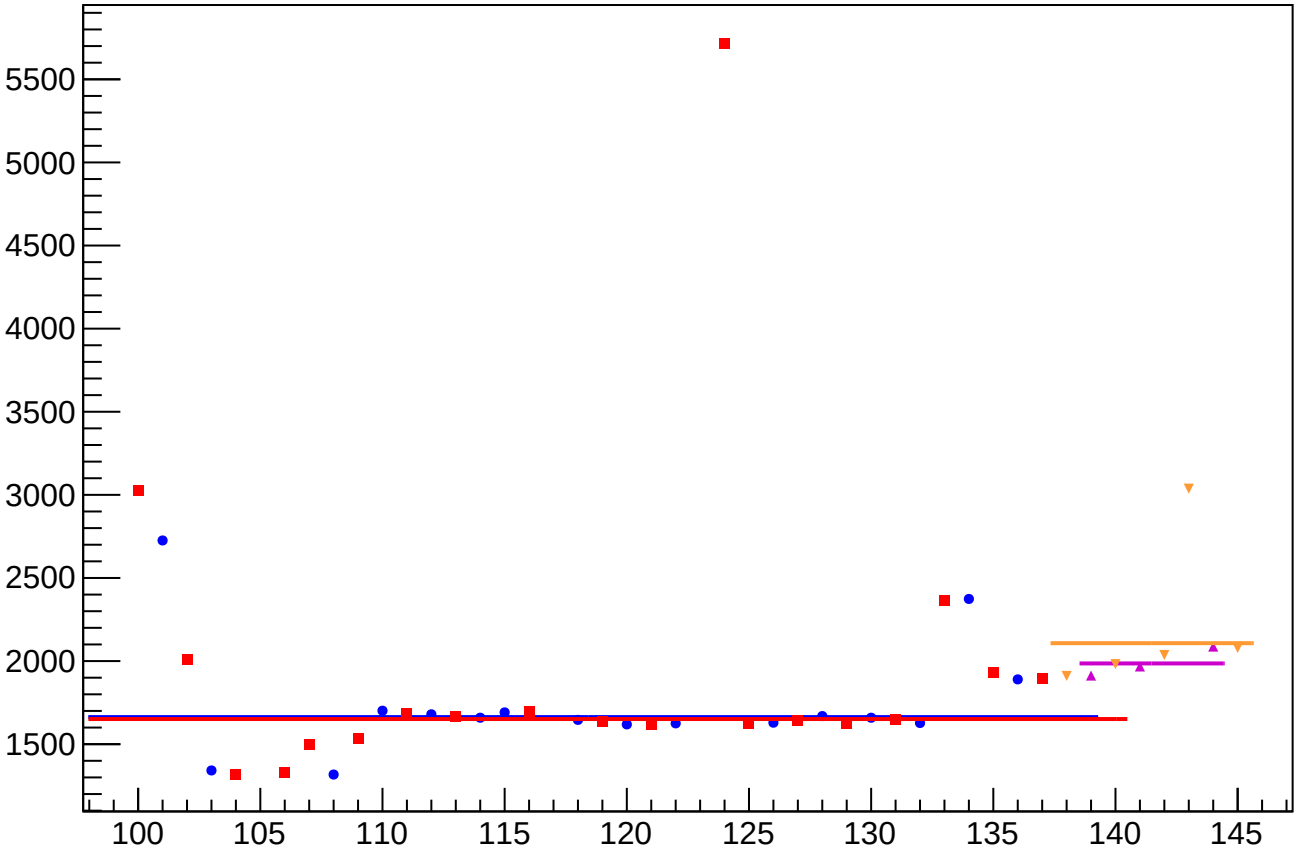
Left In: -4241.799+/-1225.177 χ^2/NDF:0.2/2

+ sign 2761.896+/-546.629 χ^2/NDF: 12.8/20

All: 169.158+/-389.196 χ^2/NDF: 75.2/42

- sign -2496.510+/-554.263 χ^2/NDF: 16.8/21

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

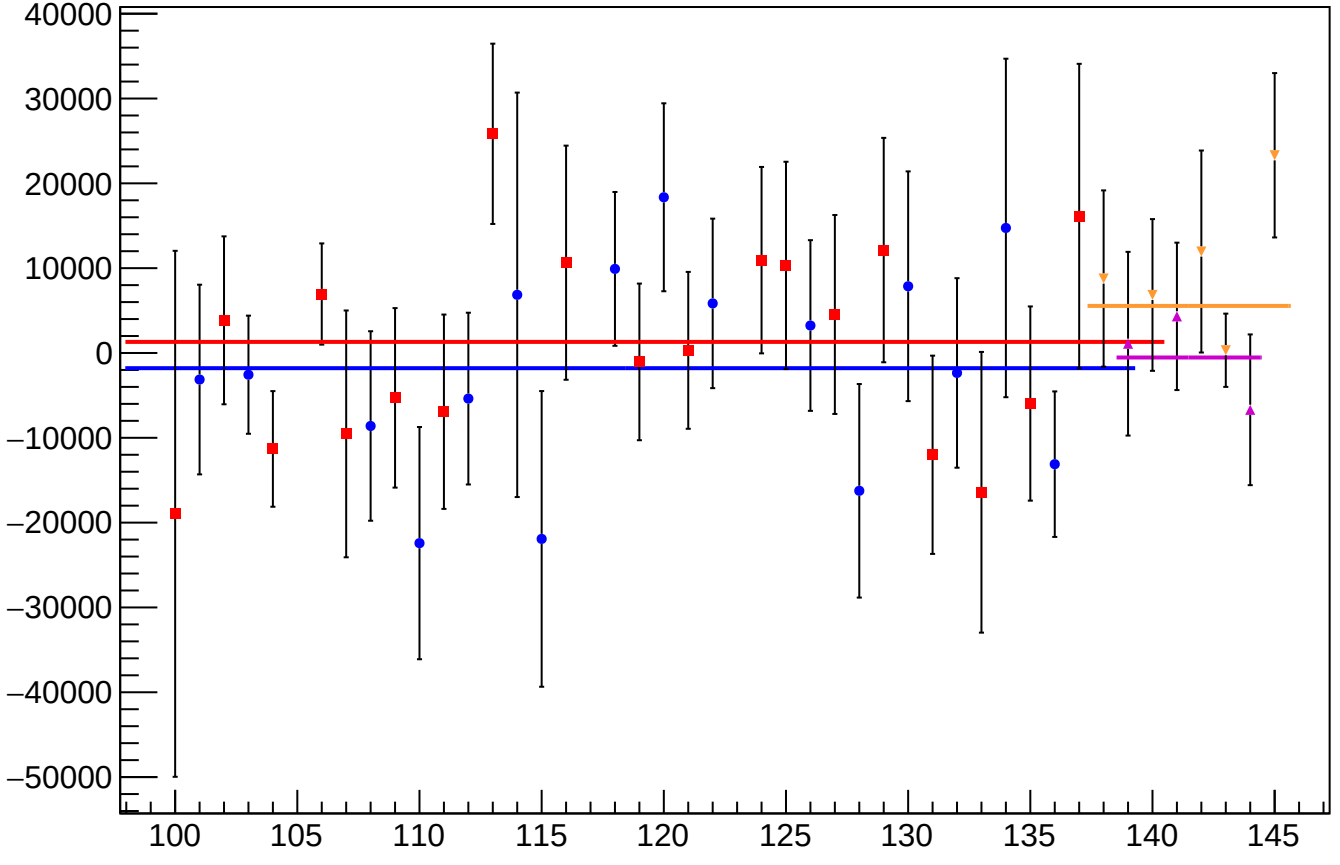
Left In: 1985.803+/-0.866 χ^2/NDF:6861.9/2

+ sign 1770.690+/-0.387 χ^2/NDF: 836523.1/20

All: 1745.587+/-0.275 χ^2/NDF: 1402462.1/42

- sign 1719.777+/-0.392 χ^2/NDF: 557384.1/21

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

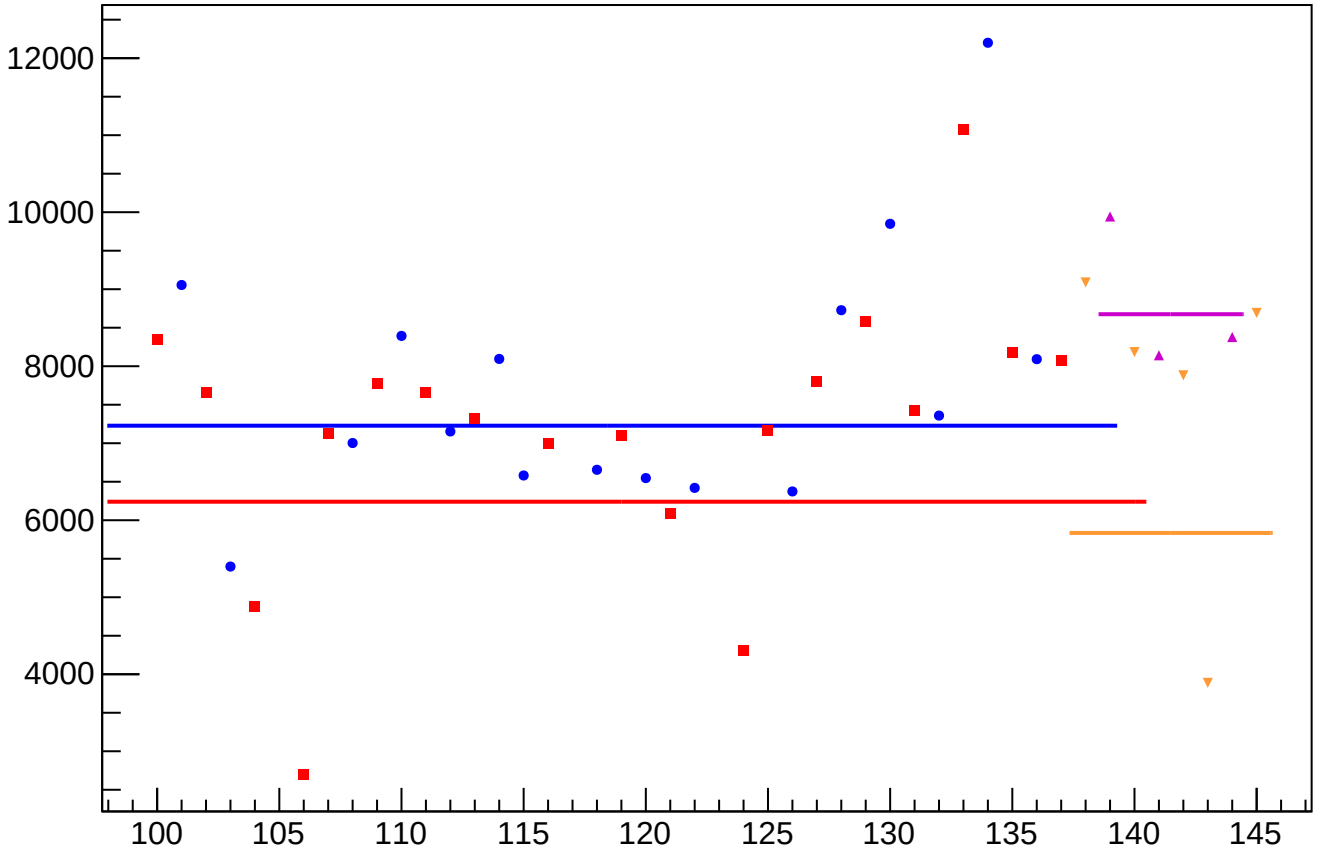
Left In: -532.472+/-5388.798 χ^2/NDF:0.8/2

+ sign 1233.993+/-2103.802 χ^2/NDF: 22.5/20

All: 1120.932+/-1525.488 χ^2/NDF: 41.2/42

- sign 995.577+/-2215.241 χ^2/NDF: 18.6/21

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

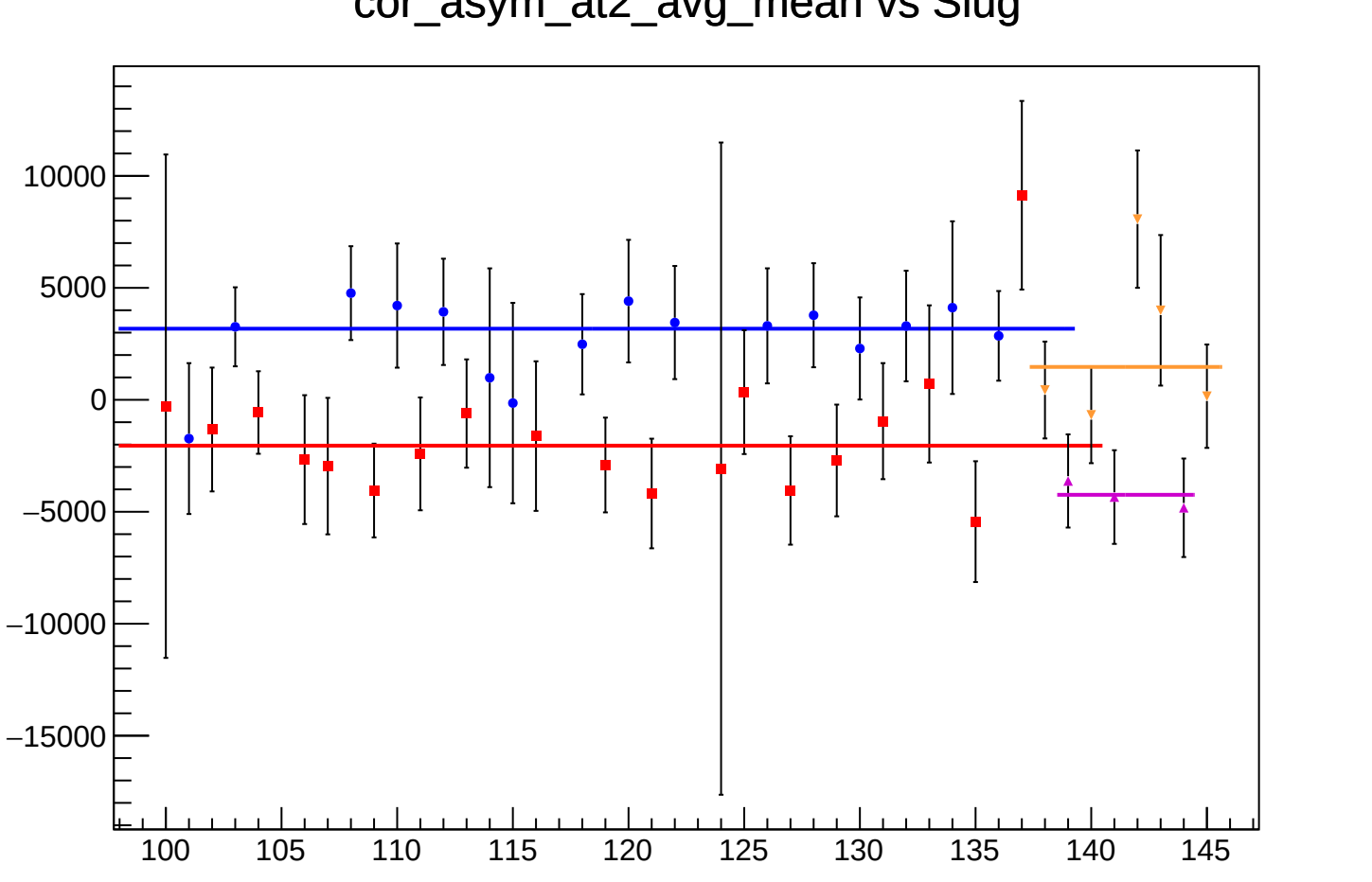
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8675.378+/-3.810 χ^2/NDF:37208.6/2

+ sign 6653.790+/-1.488 χ^2/NDF: 1688980.8/20

All: 6652.948+/-1.079 χ^2/NDF: 3464570.1/42

- sign 6652.015+/-1.566 χ^2/NDF: 1775588.6/21



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

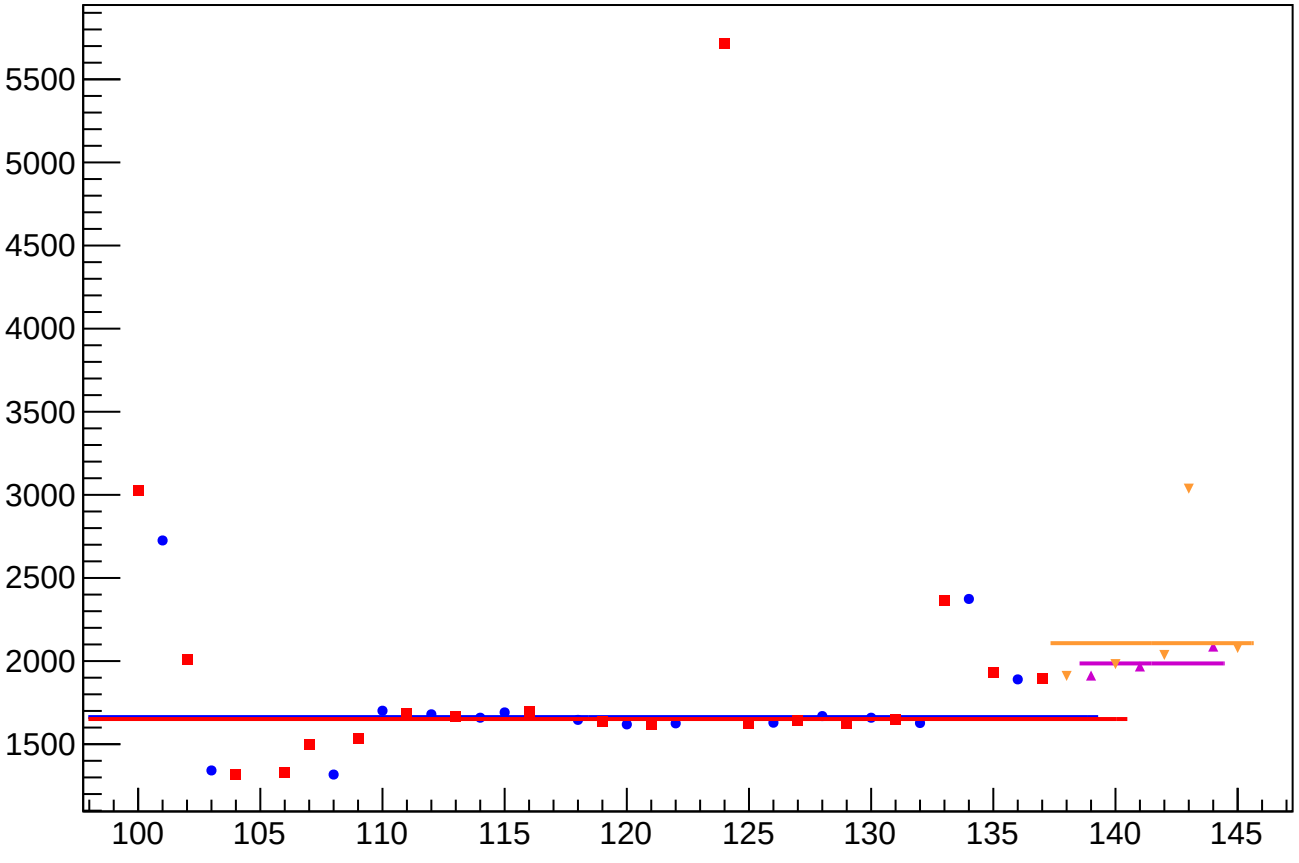
Left In: -4242.023+/-1225.177 χ^2/NDF:0.2/2

+ sign 2761.994+/-546.629 χ^2/NDF: 12.8/20

All: 169.262+/-389.196 χ^2/NDF: 75.2/42

- sign -2496.401+/-554.263 χ^2/NDF: 16.8/21

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

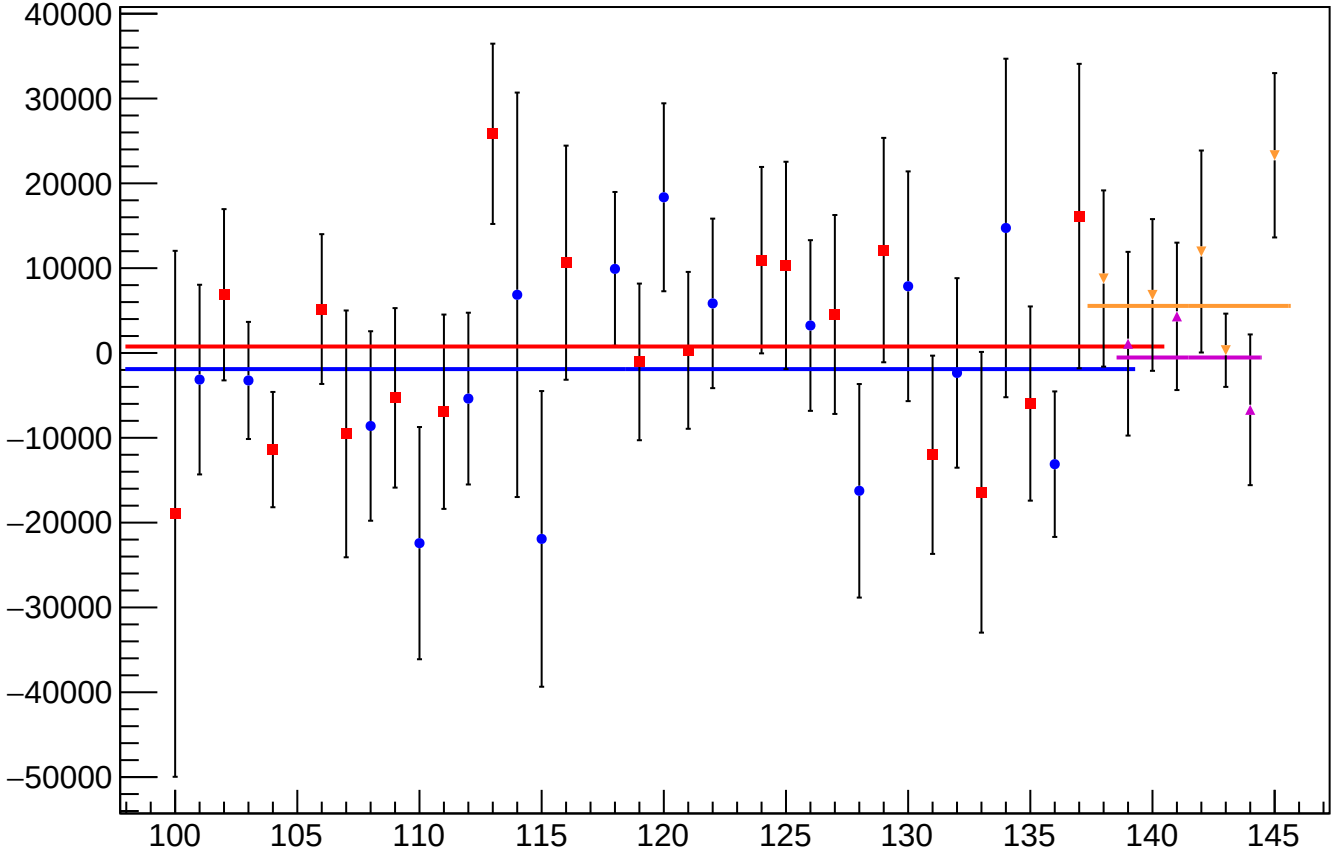
Left In: 1985.803+/-0.866 χ^2/NDF:6861.9/2

+ sign 1770.690+/-0.387 χ^2/NDF: 836523.6/20

All: 1745.586+/-0.275 χ^2/NDF: 1402462.8/42

- sign 1719.777+/-0.392 χ^2/NDF: 557384.2/21

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

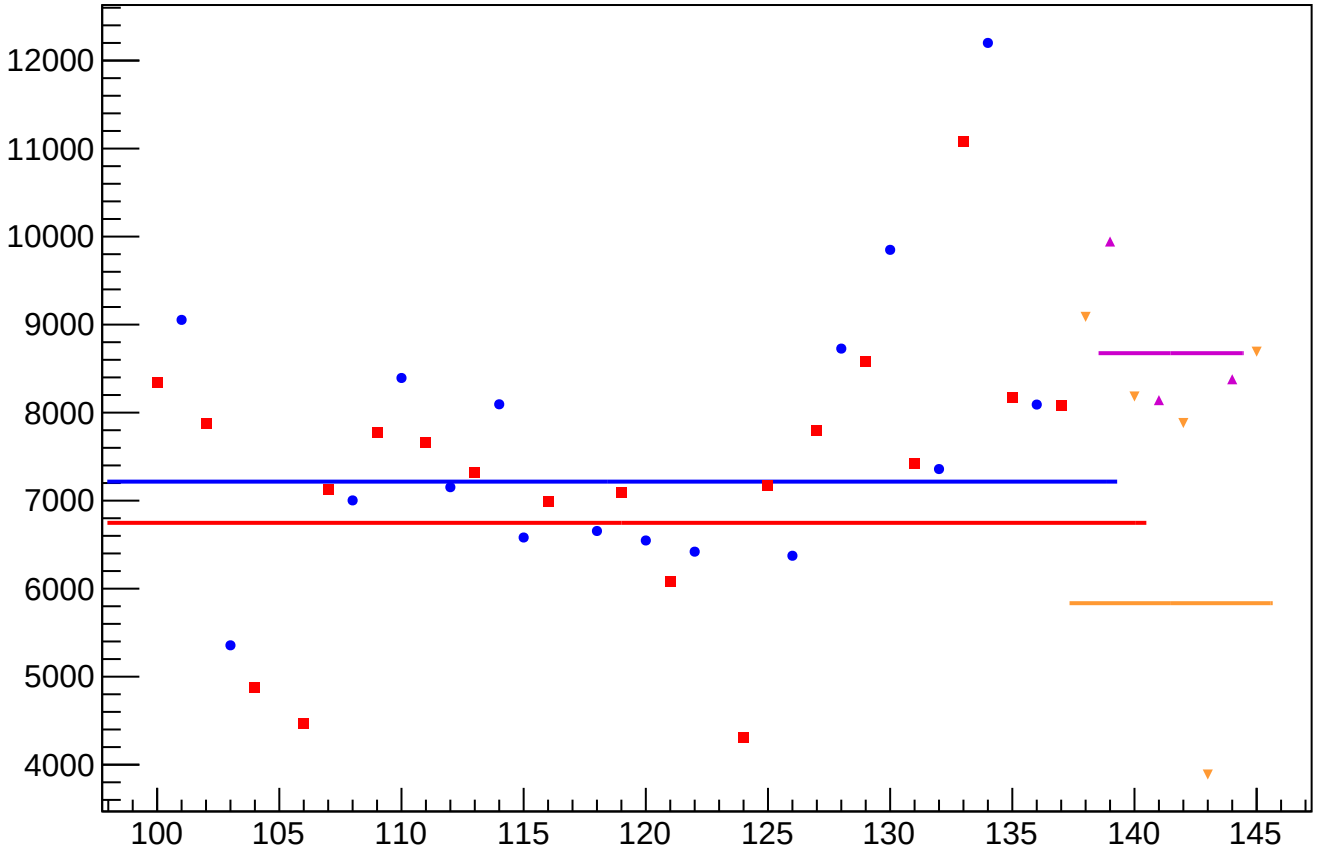
Left In: -532.544+/-5388.793 χ^2/NDF:0.8/2

+ sign 1164.975+/-2102.143 χ^2/NDF: 22.6/20

All: 874.637+/-1553.189 χ^2/NDF: 40.8/42

- sign 525.584+/-2304.917 χ^2/NDF: 18.1/21

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

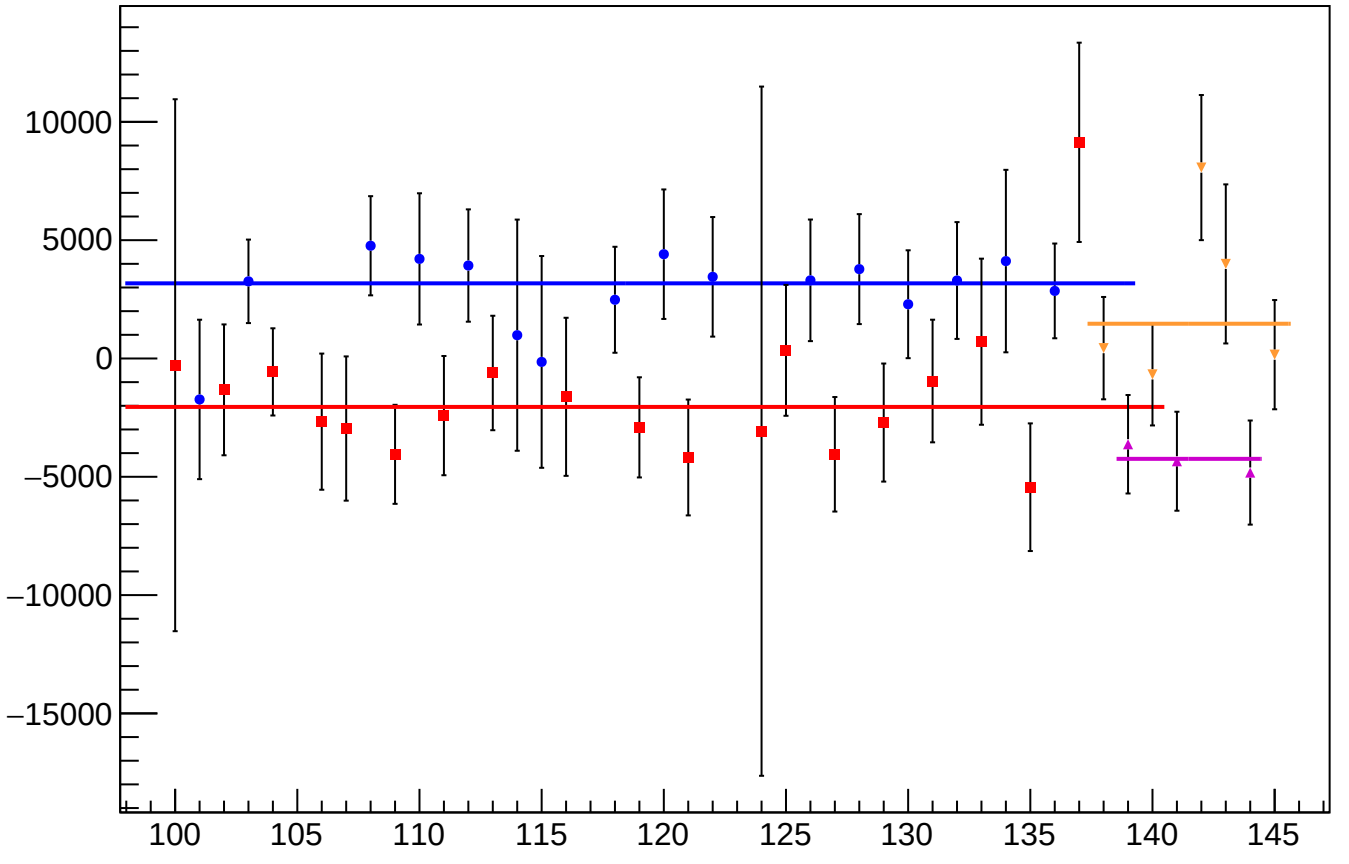
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8675.369+/-3.810 χ^2/NDF:37208.8/2

+ sign 6647.861+/-1.486 χ^2/NDF: 1694604.6/20

All: 6853.350+/-1.098 χ^2/NDF: 2691788.9/42

- sign 7100.393+/-1.630 χ^2/NDF: 955097.9/21



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

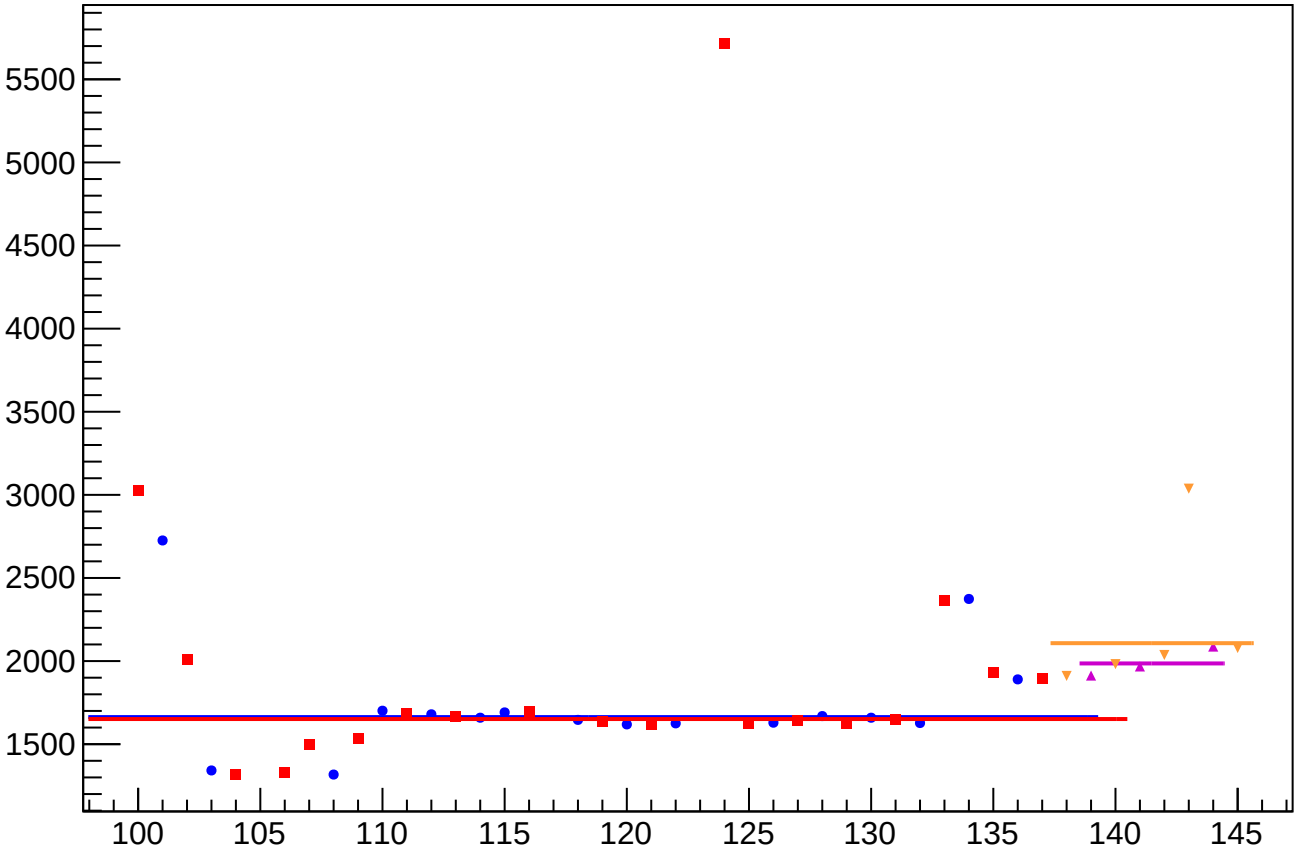
Left In: -4242.023+/-1225.177 χ^2/NDF:0.2/2

+ sign 2761.994+/-546.629 χ^2/NDF: 12.8/20

All: 169.262+/-389.196 χ^2/NDF: 75.2/42

- sign -2496.401+/-554.263 χ^2/NDF: 16.8/21

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

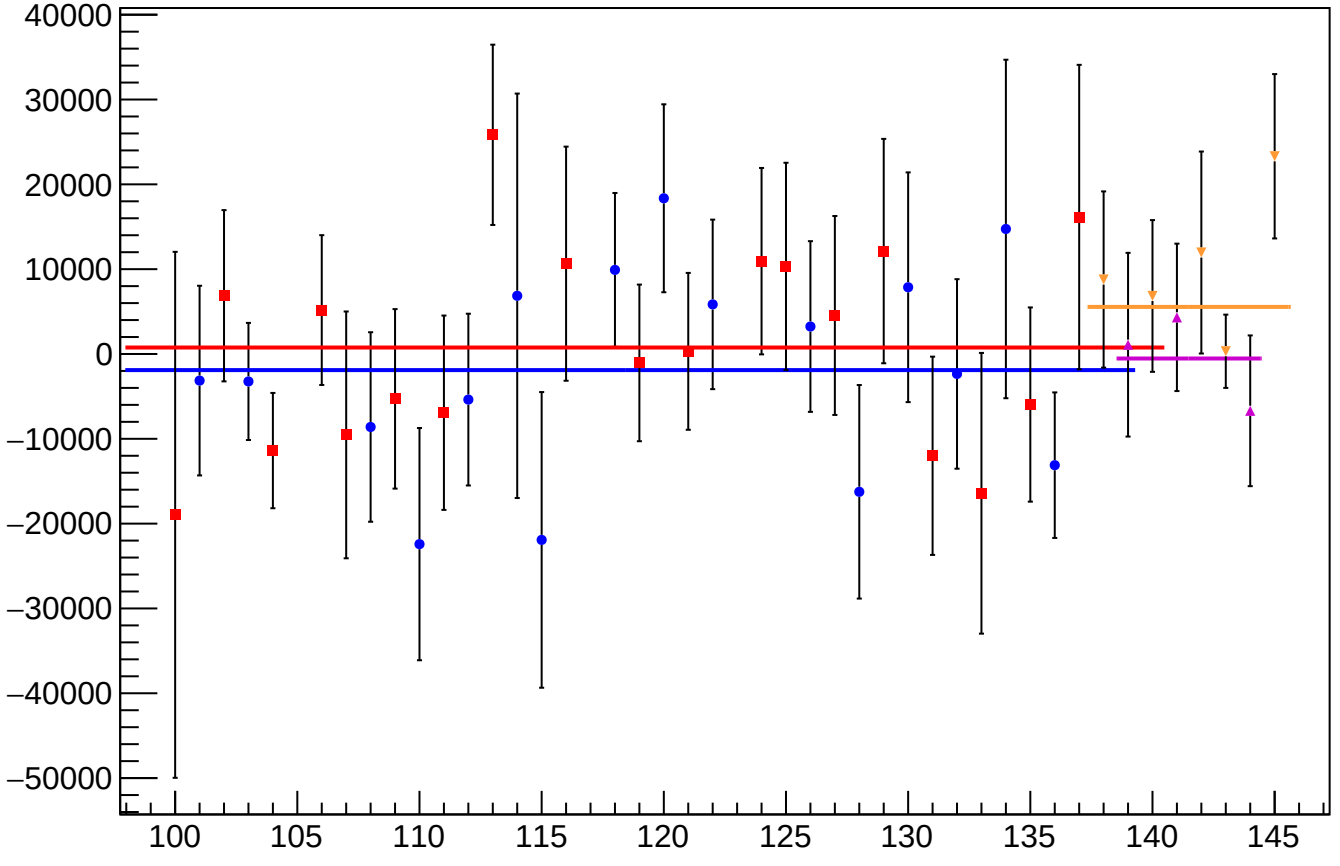
Left In: 1985.803+/-0.866 χ^2/NDF:6861.9/2

+ sign 1770.690+/-0.387 χ^2/NDF: 836523.6/20

All: 1745.586+/-0.275 χ^2/NDF: 1402462.8/42

- sign 1719.777+/-0.392 χ^2/NDF: 557384.2/21

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

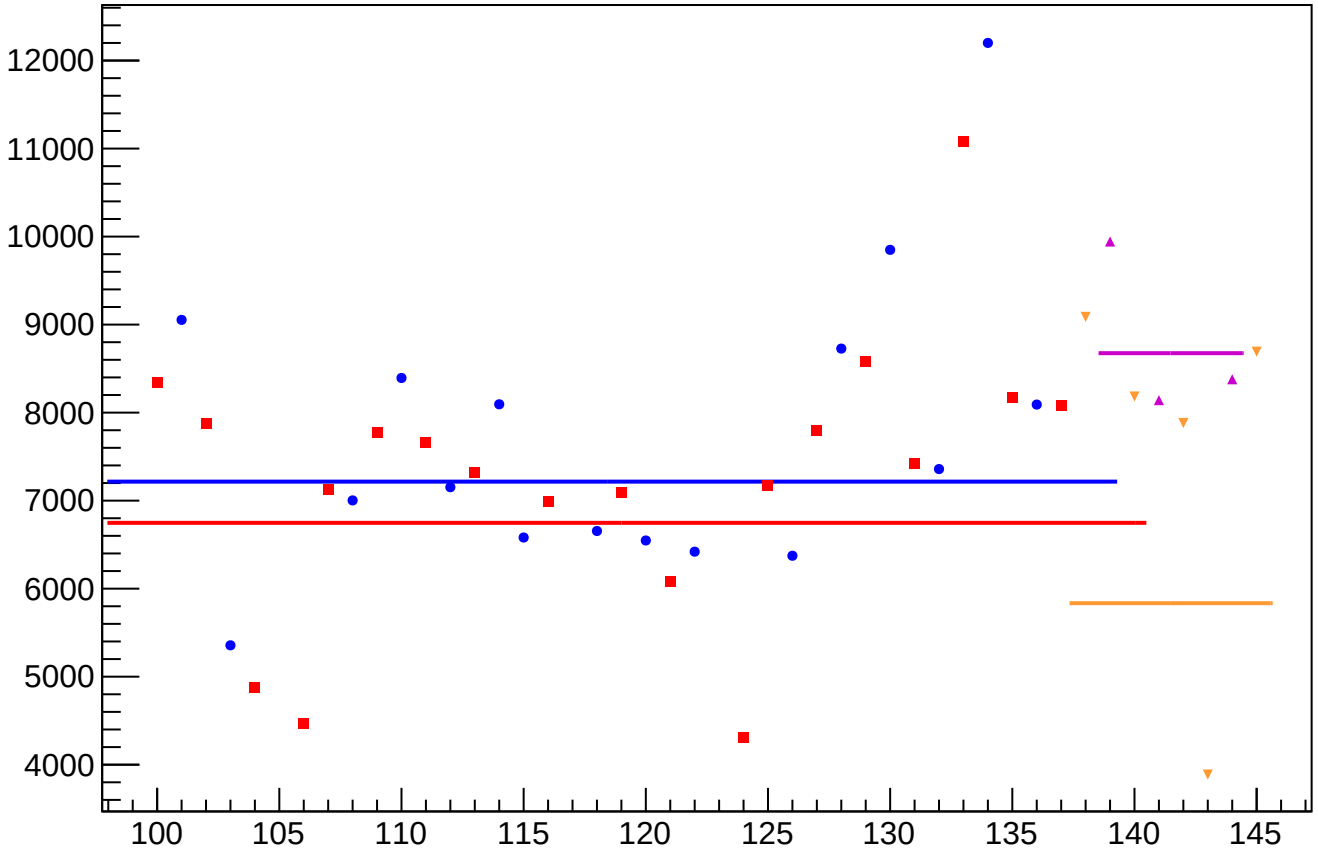
Left In: -532.544+/-5388.793 χ^2/NDF:0.8/2

+ sign 1164.975+/-2102.143 χ^2/NDF: 22.6/20

All: 874.637+/-1553.189 χ^2/NDF: 40.8/42

- sign 525.584+/-2304.917 χ^2/NDF: 18.1/21

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

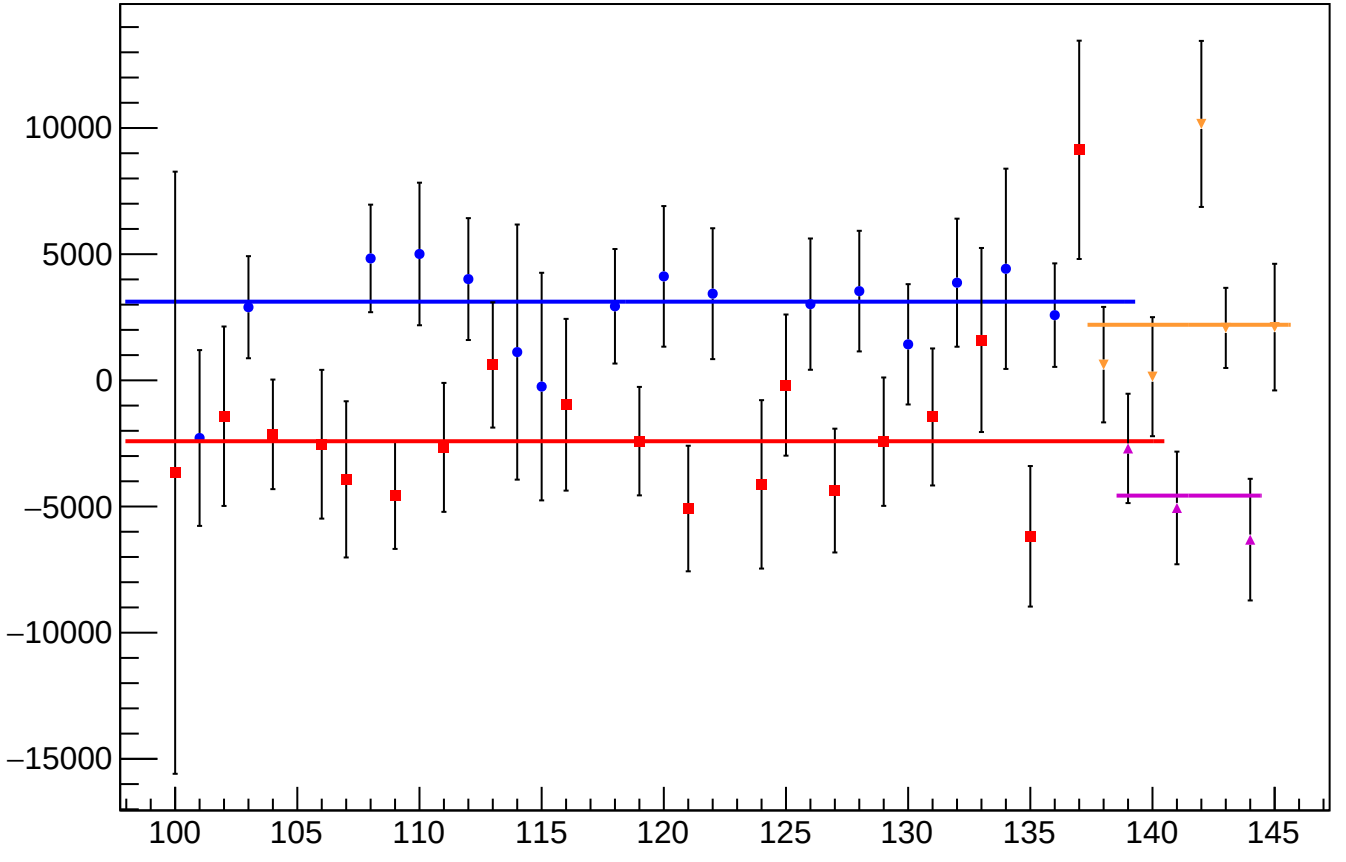
Left In: 8675.369+/-3.810 χ^2/NDF:37208.8/2

+ sign 6647.861+/-1.486 χ^2/NDF: 1694604.6/20

All: 6853.350+/-1.098 χ^2/NDF: 2691788.9/42

- sign 7100.393+/-1.630 χ^2/NDF: 955097.9/21

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 2202.160+/-990.872 χ^2/NDF:7.1/4

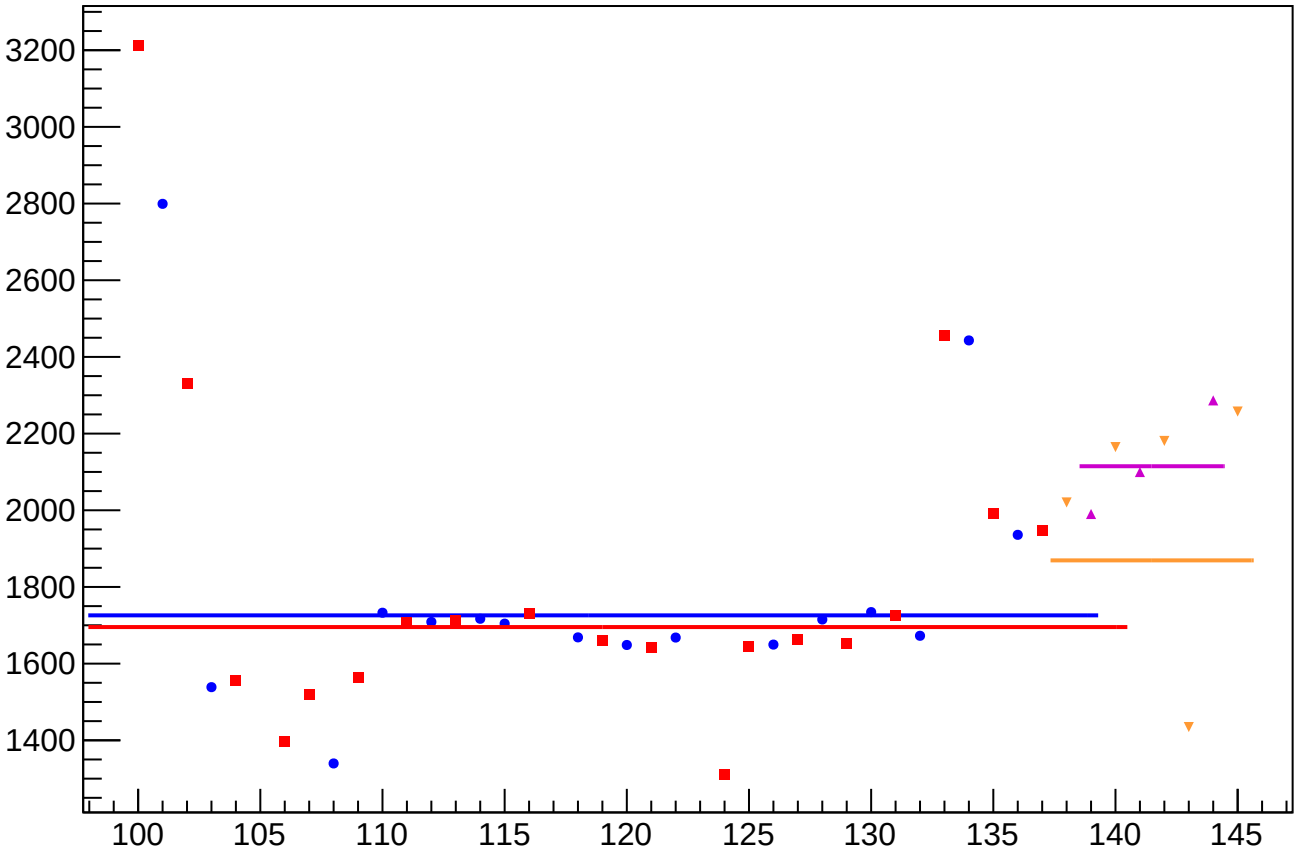
Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: -4567.915+/-1306.486 χ^2/NDF:1.3/2

+ sign 2841.716+/-544.150 χ^2/NDF: 13.0/20

All: 158.000+/-394.914 χ^2/NDF: 83.9/42

- sign -2828.576+/-574.033 χ^2/NDF: 19.5/21



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

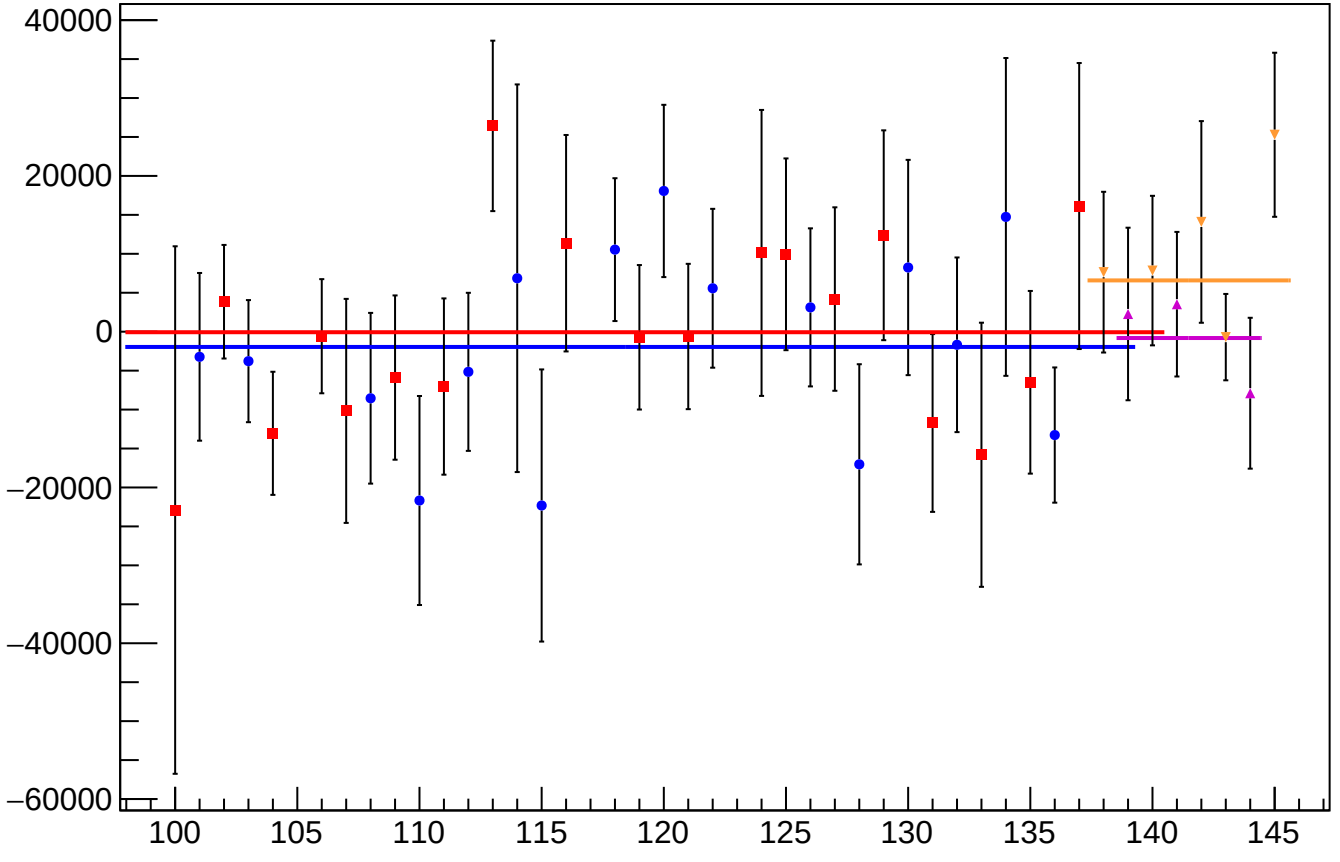
Left In: 2114.872+/-0.924 χ^2/NDF:16854.6/2

+ sign 1769.158+/-0.385 χ^2/NDF: 650701.1/20

All: 1772.548+/-0.279 χ^2/NDF: 1119745.7/42

- sign 1776.319+/-0.406 χ^2/NDF: 468880.6/21

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

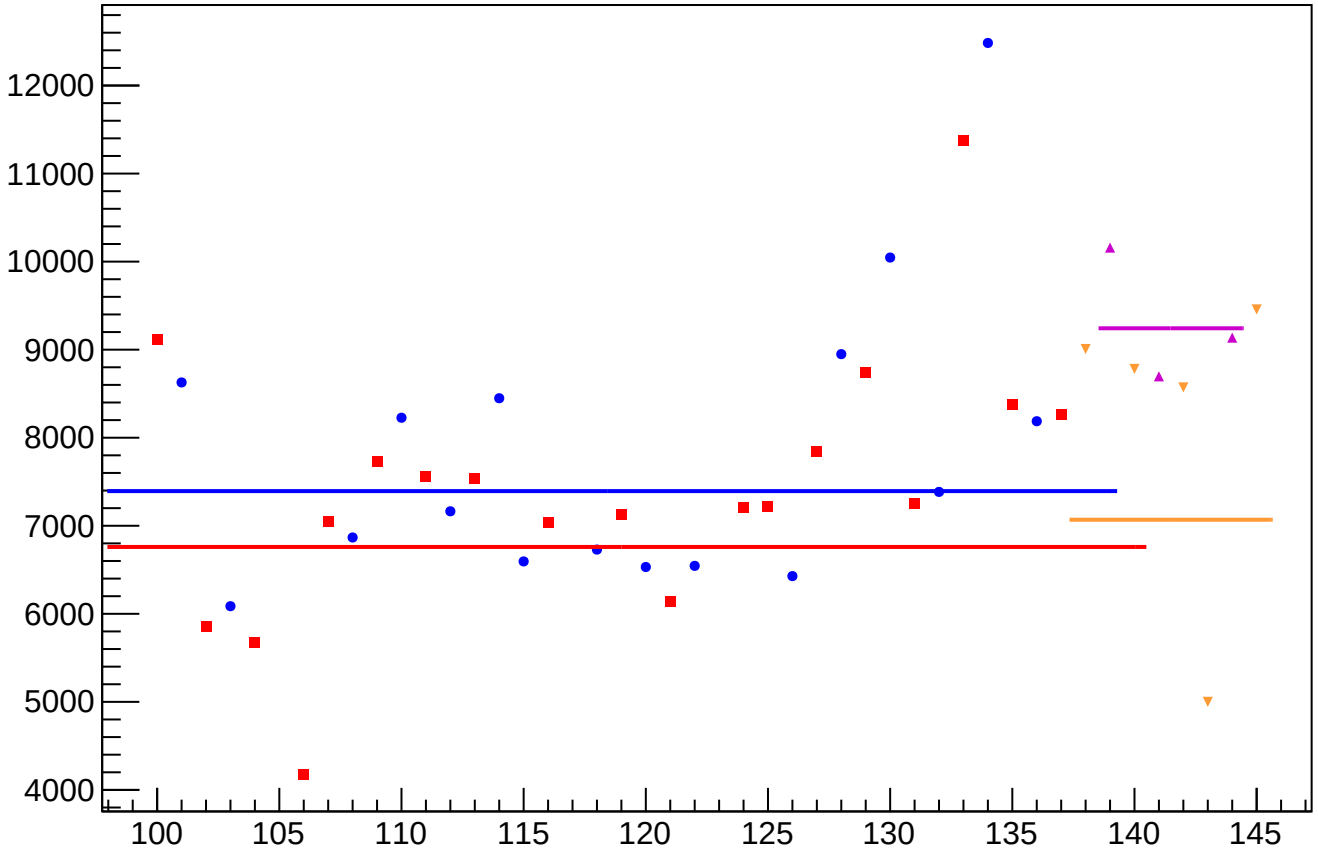
Left In: -812.568+/-5733.559 χ^2/NDF:0.8/2

+ sign 1002.964+/-2261.839 χ^2/NDF: 22.9/20

All: 420.431+/-1617.593 χ^2/NDF: 39.9/42

- sign -189.441+/-2314.307 χ^2/NDF: 17.0/21

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

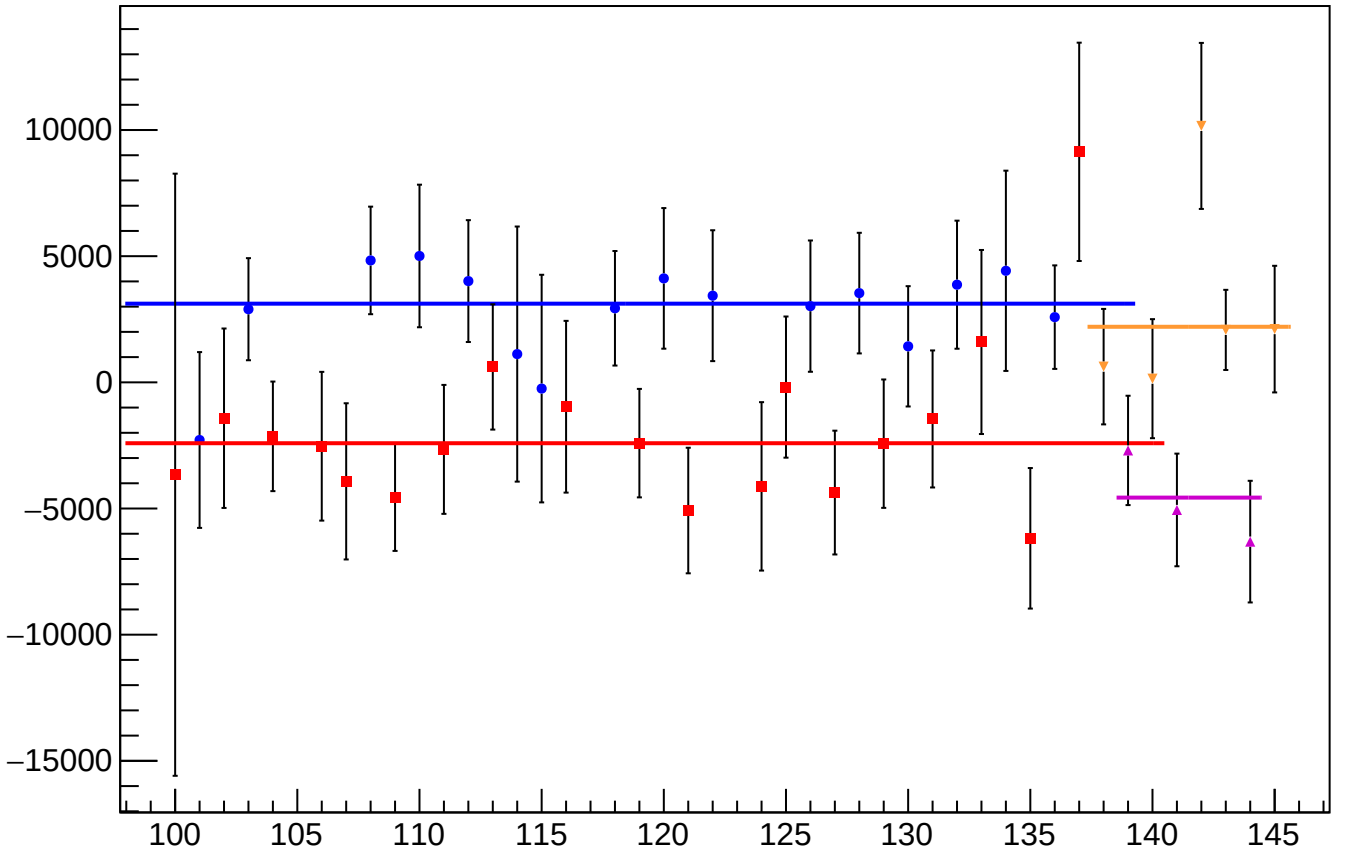
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9242.927+/-4.054 χ^2/NDF:20842.4/2

+ sign 7280.942+/-1.599 χ^2/NDF: 953672.4/20

All: 7223.839+/-1.144 χ^2/NDF: 1935518.5/42

- sign 7164.057+/-1.636 χ^2/NDF: 979236.8/21



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

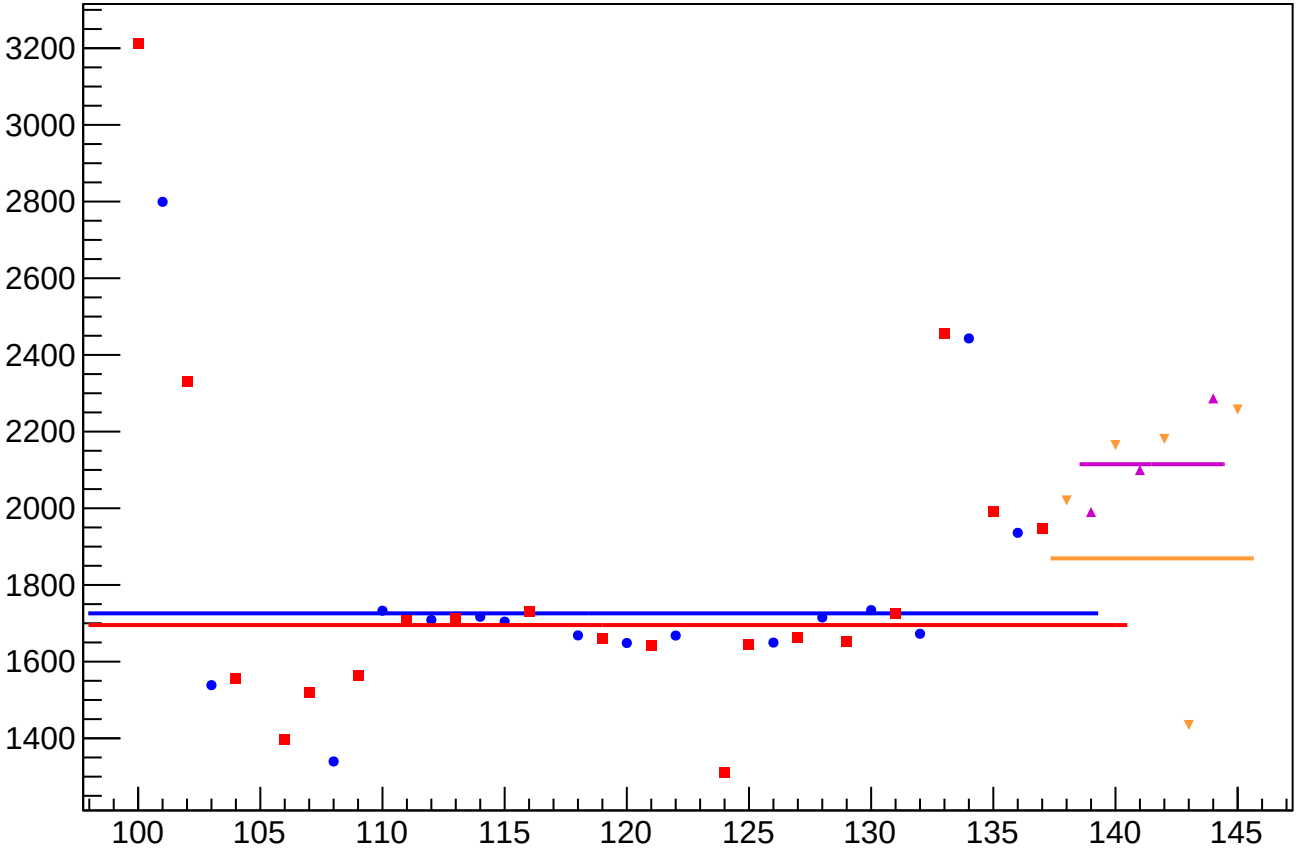
Left In: -4567.903+/-1306.488 χ^2/NDF:1.3/2

+ sign 2841.722+/-544.150 χ^2/NDF: 13.0/20

All: 158.001+/-394.914 χ^2/NDF: 83.9/42

- sign -2828.579+/-574.033 χ^2/NDF: 19.5/21

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

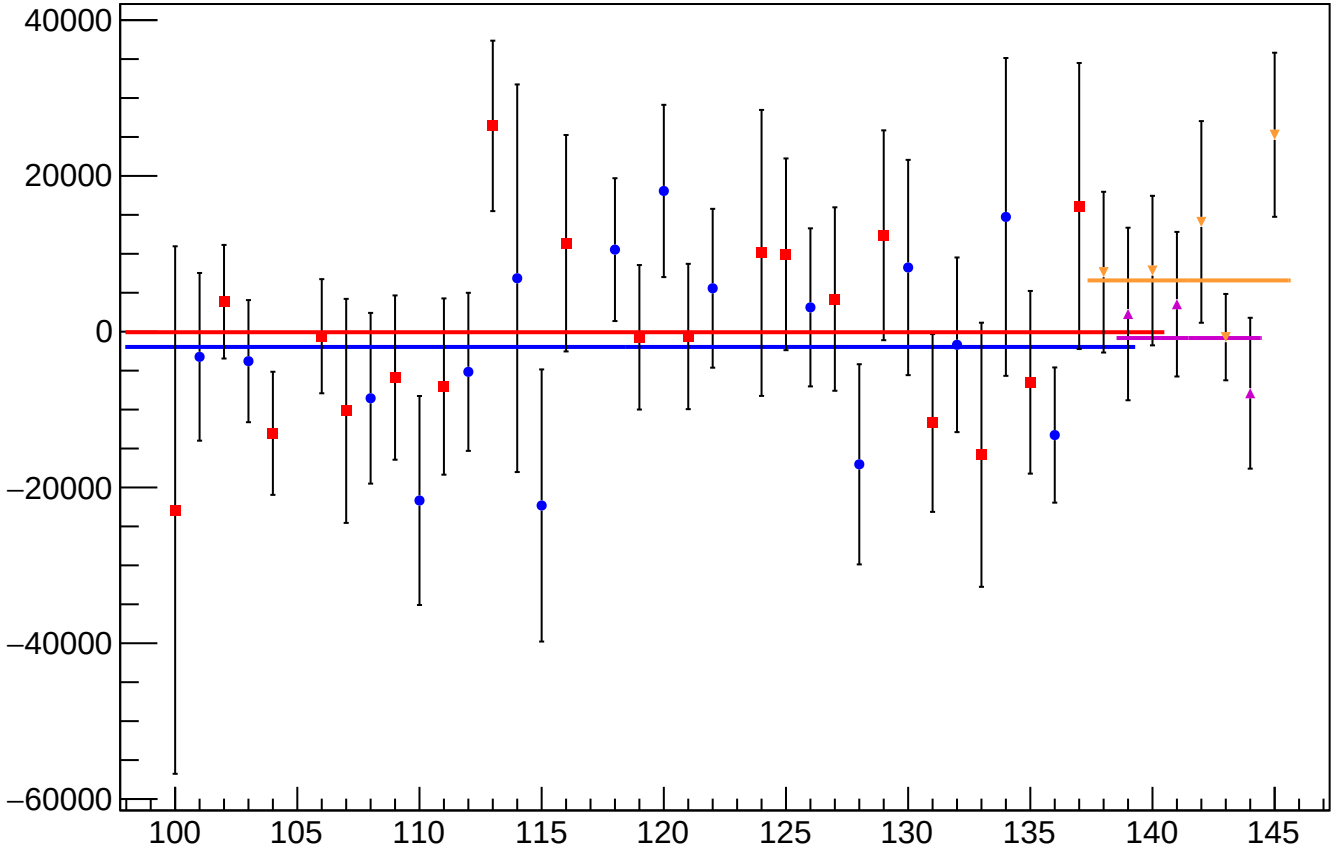
Left In: 2114.875+/-0.924 χ^2/NDF:16854.8/2

+ sign 1769.158+/-0.385 χ^2/NDF: 650702.8/20

All: 1772.549+/-0.279 χ^2/NDF: 1119750.1/42

- sign 1776.319+/-0.406 χ^2/NDF: 468883.3/21

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

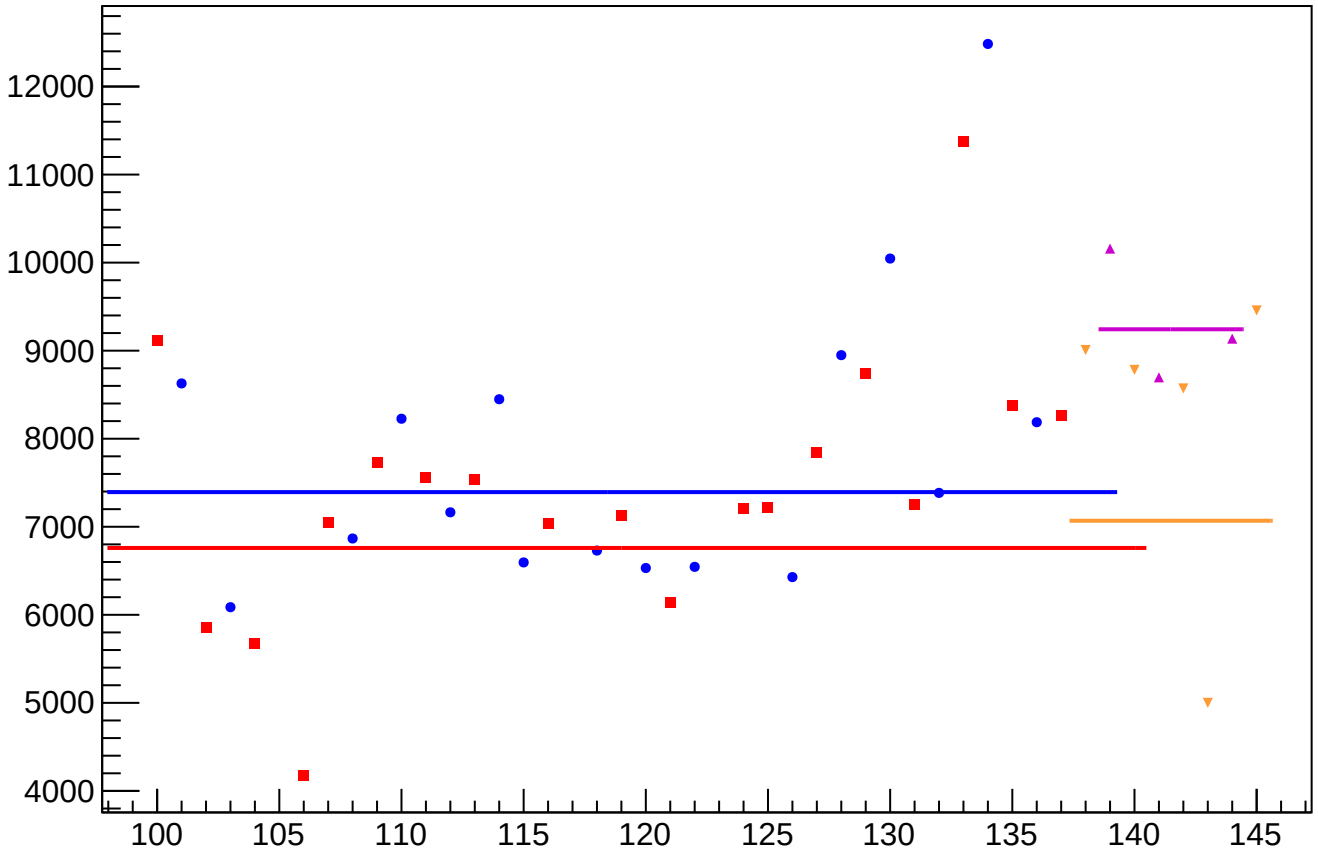
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -812.559+/-5733.568 χ^2/NDF:0.8/2

+ sign 1002.965+/-2261.837 χ^2/NDF: 22.9/20

All: 420.430+/-1617.591 χ^2/NDF: 39.9/42

- sign -189.444+/-2314.303 χ^2/NDF: 17.0/21



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

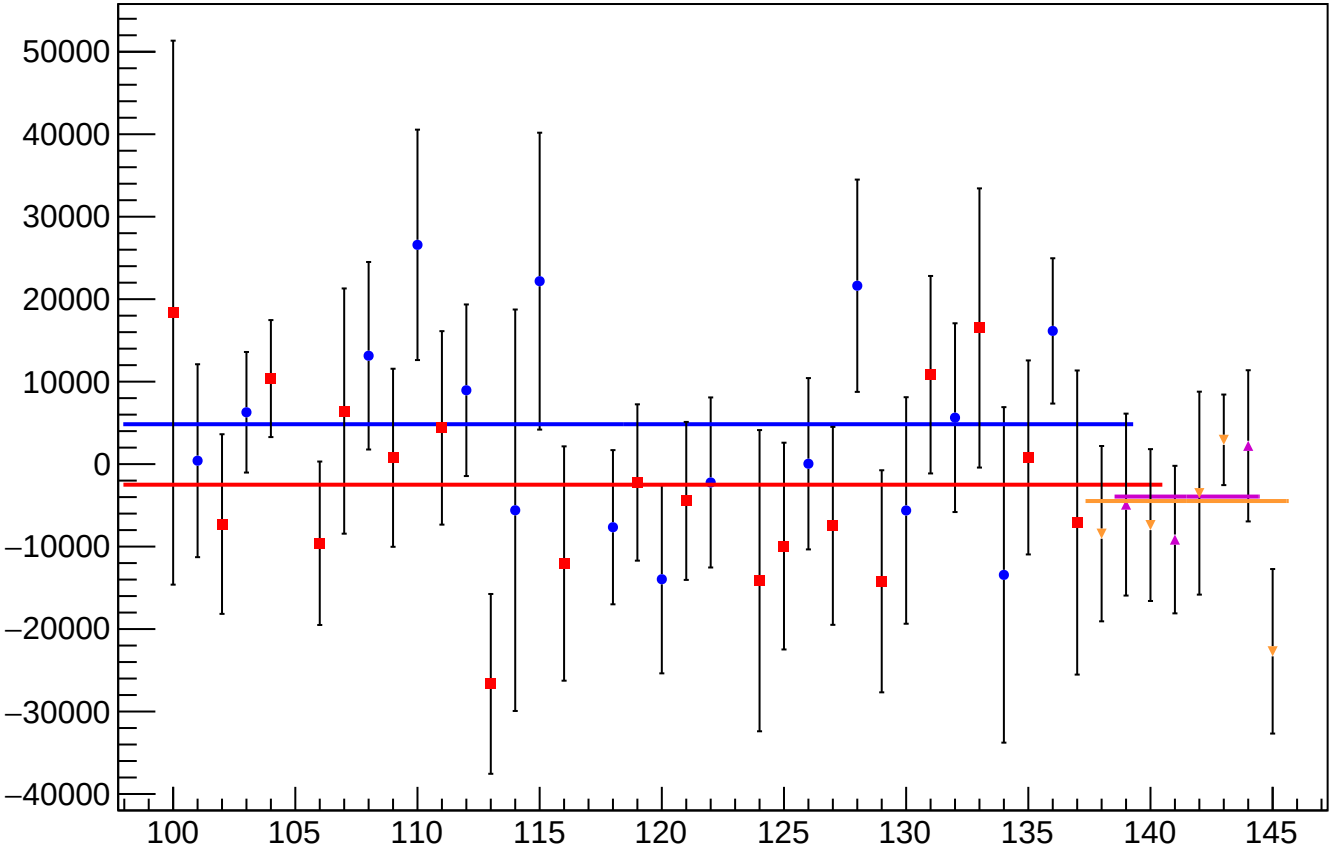
Left In: 9242.941+/-4.054 χ^2/NDF:20843.0/2

+ sign 7280.936+/-1.599 χ^2/NDF: 953673.2/20

All: 7223.830+/-1.144 χ^2/NDF: 1935525.6/42

- sign 7164.045+/-1.636 χ^2/NDF: 979242.9/21

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

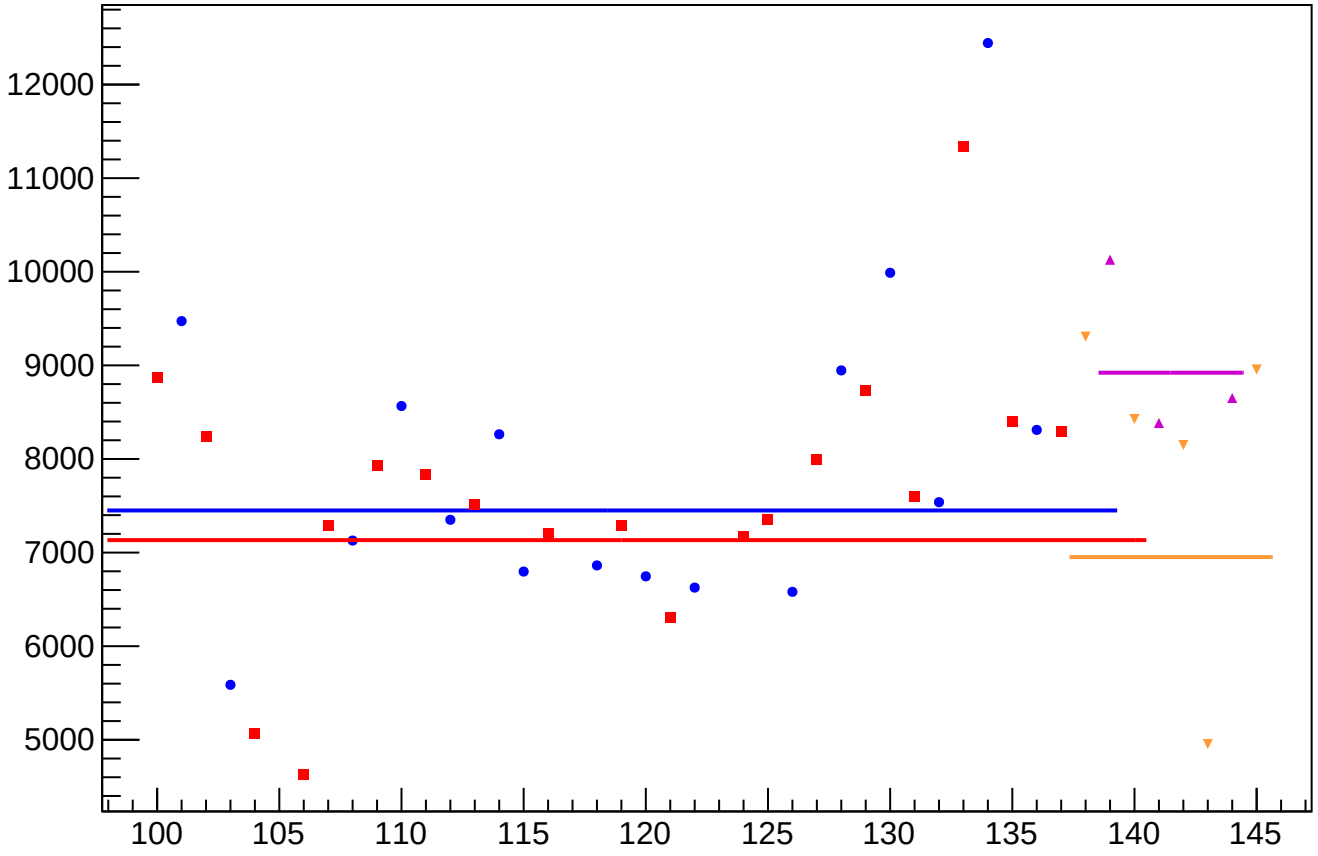
Left In: -3934.890+/-5537.067 χ^2/NDF:0.8/2

+ sign 1479.189+/-2262.089 χ^2/NDF: 23.6/20

All: -499.832+/-1653.691 χ^2/NDF: 41.1/42

- sign -2771.544+/-2423.602 χ^2/NDF: 15.8/21

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

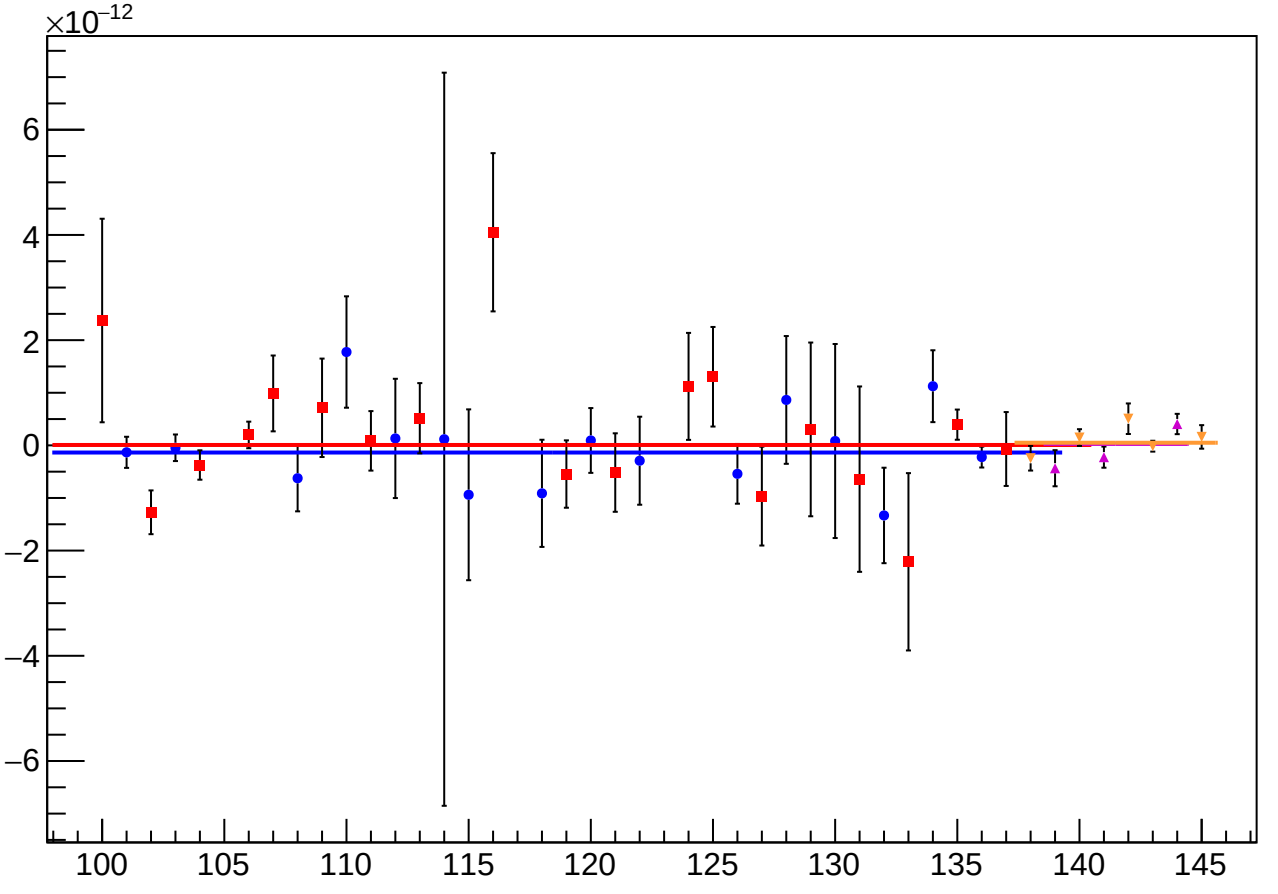
Left In: 8921.590+/-3.915 χ^2/NDF:32888.1/2

+ sign 7270.446+/-1.600 χ^2/NDF: 1022655.3/20

All: 7366.022+/-1.169 χ^2/NDF: 1788891.9/42

- sign 7475.722+/-1.714 χ^2/NDF: 758568.2/21

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

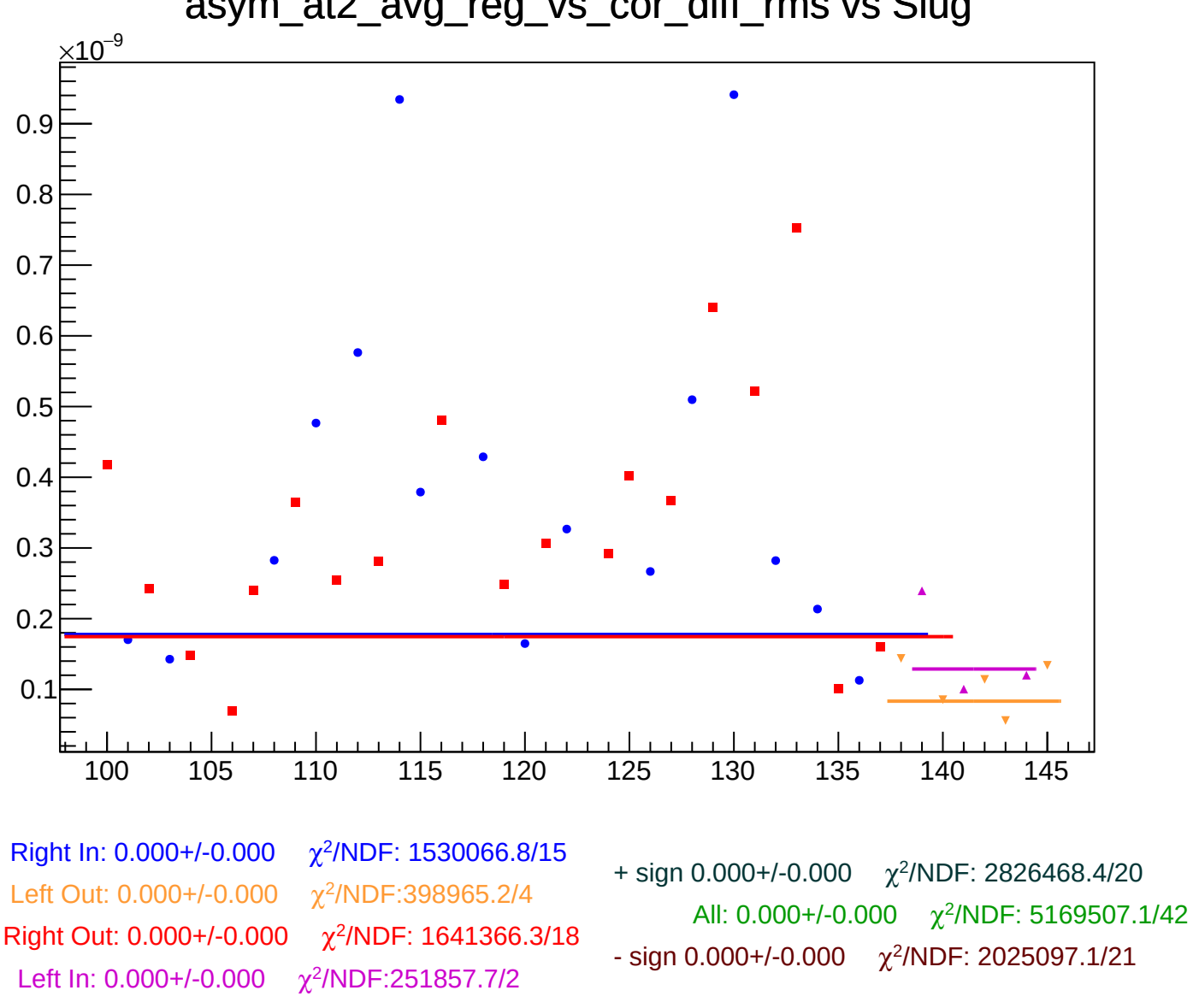
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/2

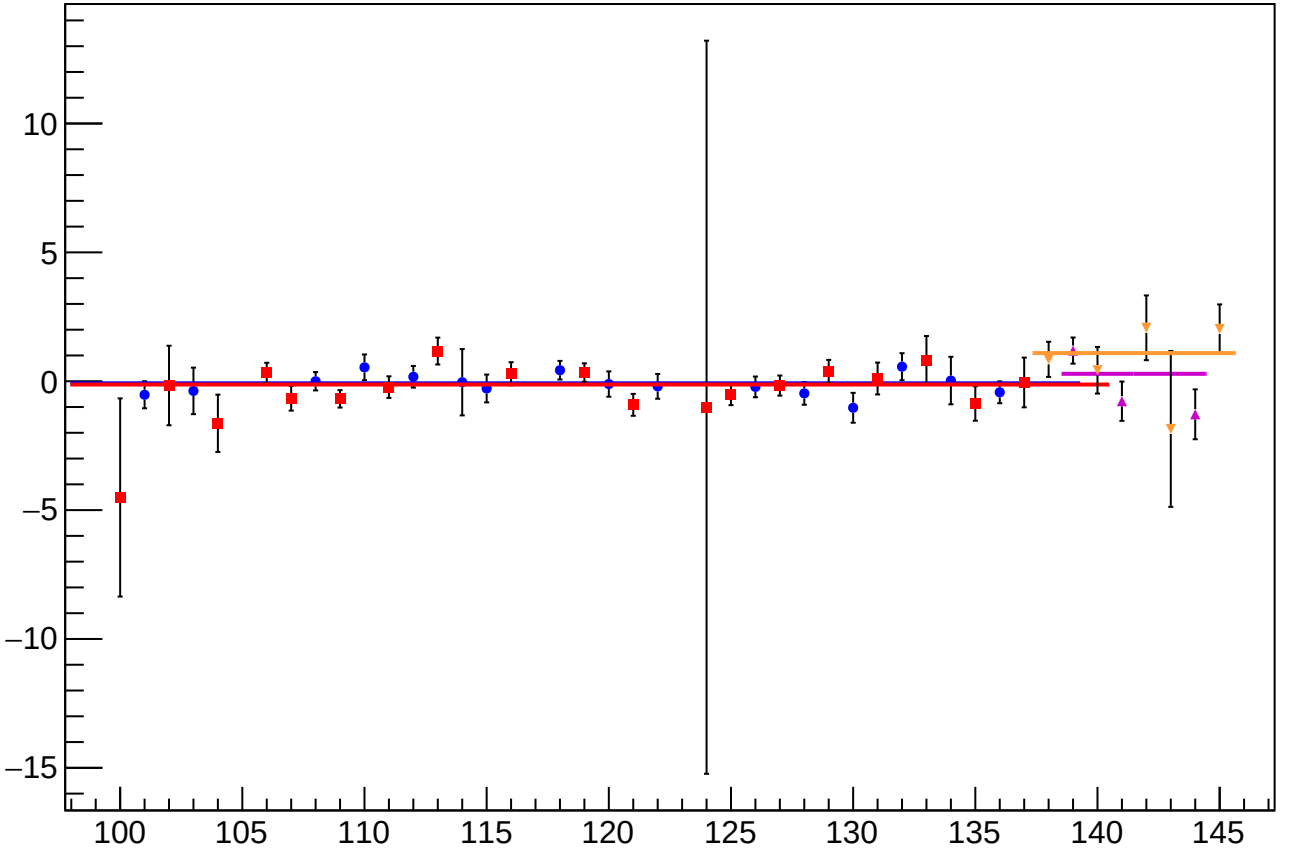
+ sign -0.000+/-0.000 χ^2/NDF: 18.4/20

All: 0.000+/-0.000 χ^2/NDF: 58.4/42

- sign 0.000+/-0.000 χ^2/NDF: 40.0/21


asym_at2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:398965.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:251857.7/2
+ sign 0.000+/-0.000 χ²/NDF: 2826468.4/20
All: 0.000+/-0.000 χ²/NDF: 5169507.1/42
- sign 0.000+/-0.000 χ²/NDF: 2025097.1/21

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

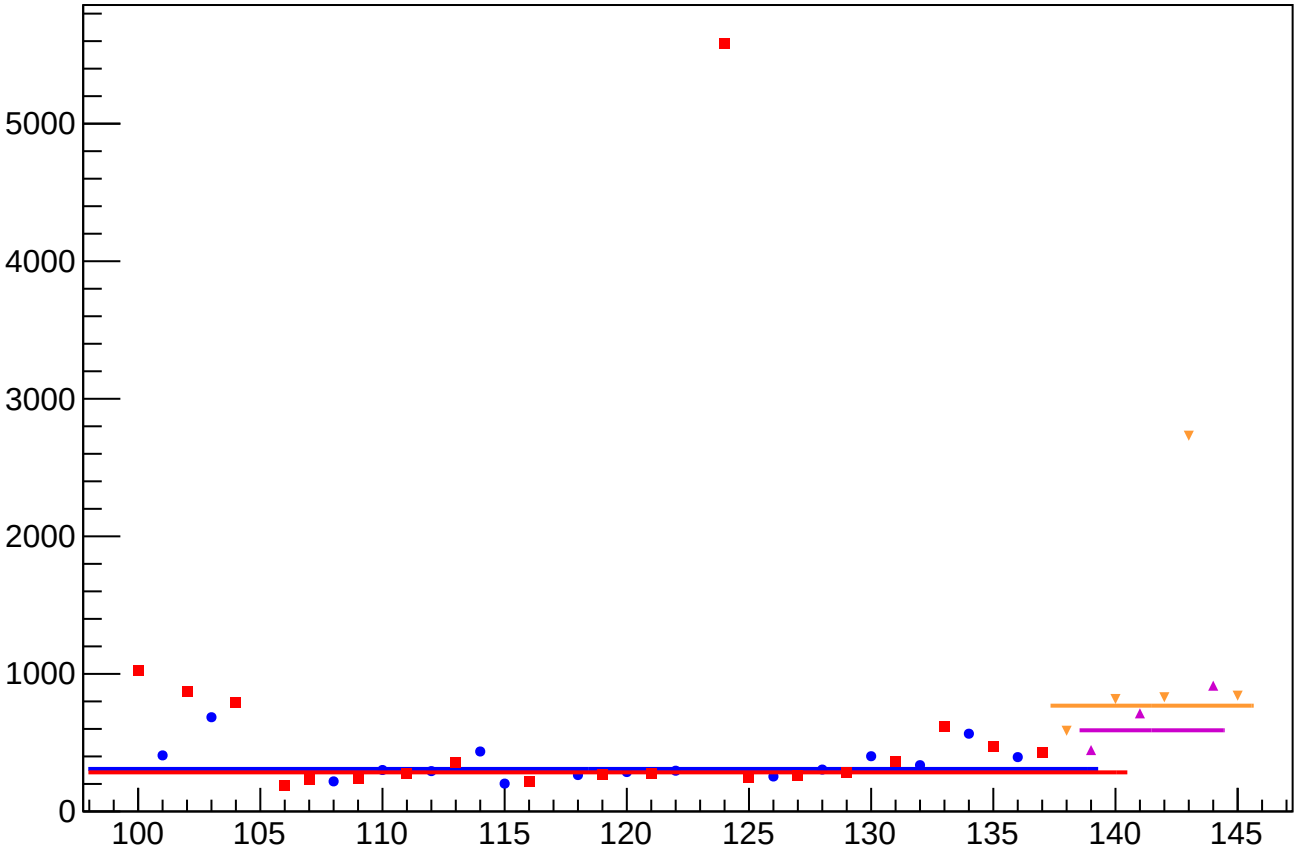
Left In: 0.288+/-0.387 χ^2/NDF:7.7/2

+ sign 0.005+/-0.117 χ^2/NDF: 20.6/20

All: -0.046+/-0.081 χ^2/NDF: 55.1/42

- sign -0.093+/-0.112 χ^2/NDF: 34.1/21

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

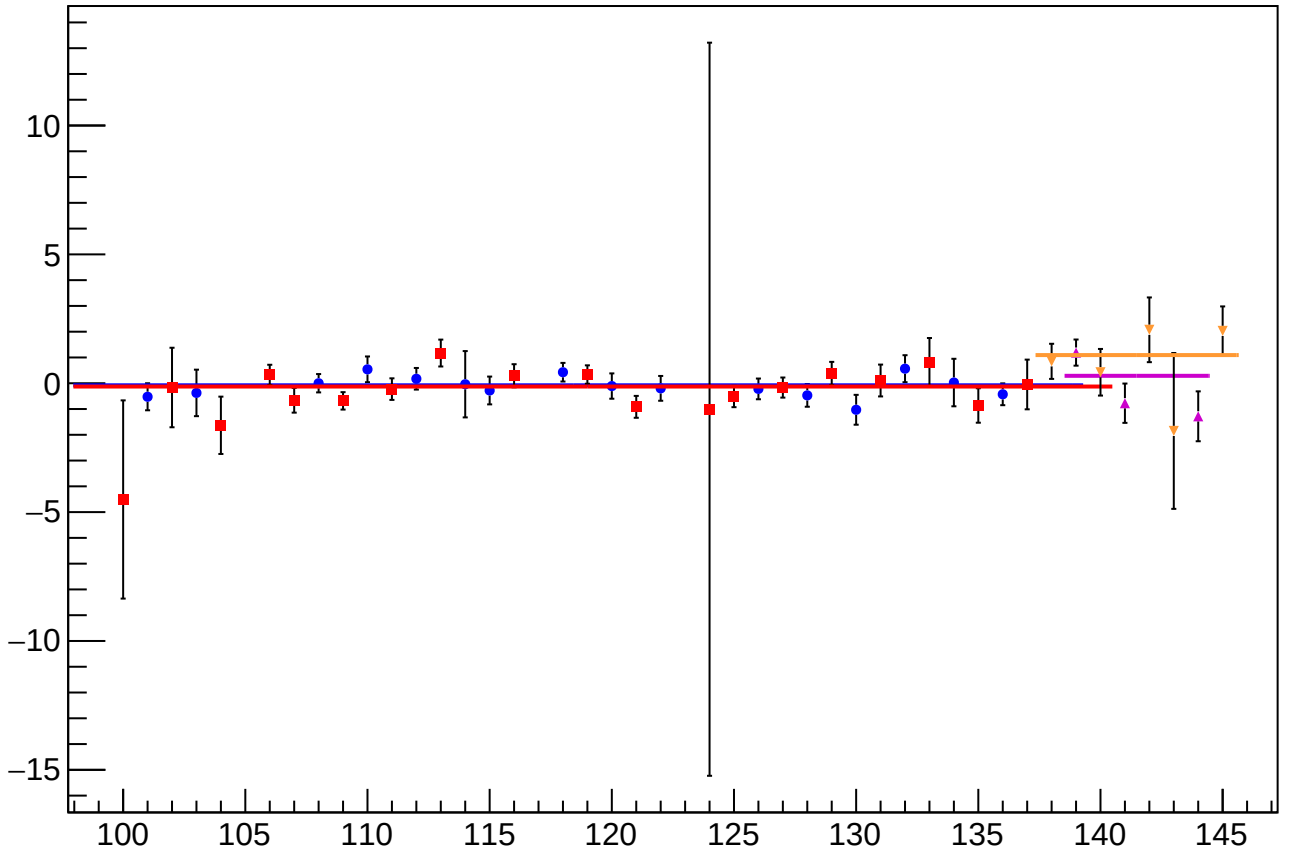
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 590.020+/-0.274 χ^2/NDF:437228.4/2

+ sign 342.224+/-0.083 χ^2/NDF: 4074716.8/20

All: 325.217+/-0.057 χ^2/NDF: 7592866.3/42

- sign 309.760+/-0.079 χ^2/NDF: 3438028.1/21



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 1.093+/-0.437 χ^2/NDF:3.2/4

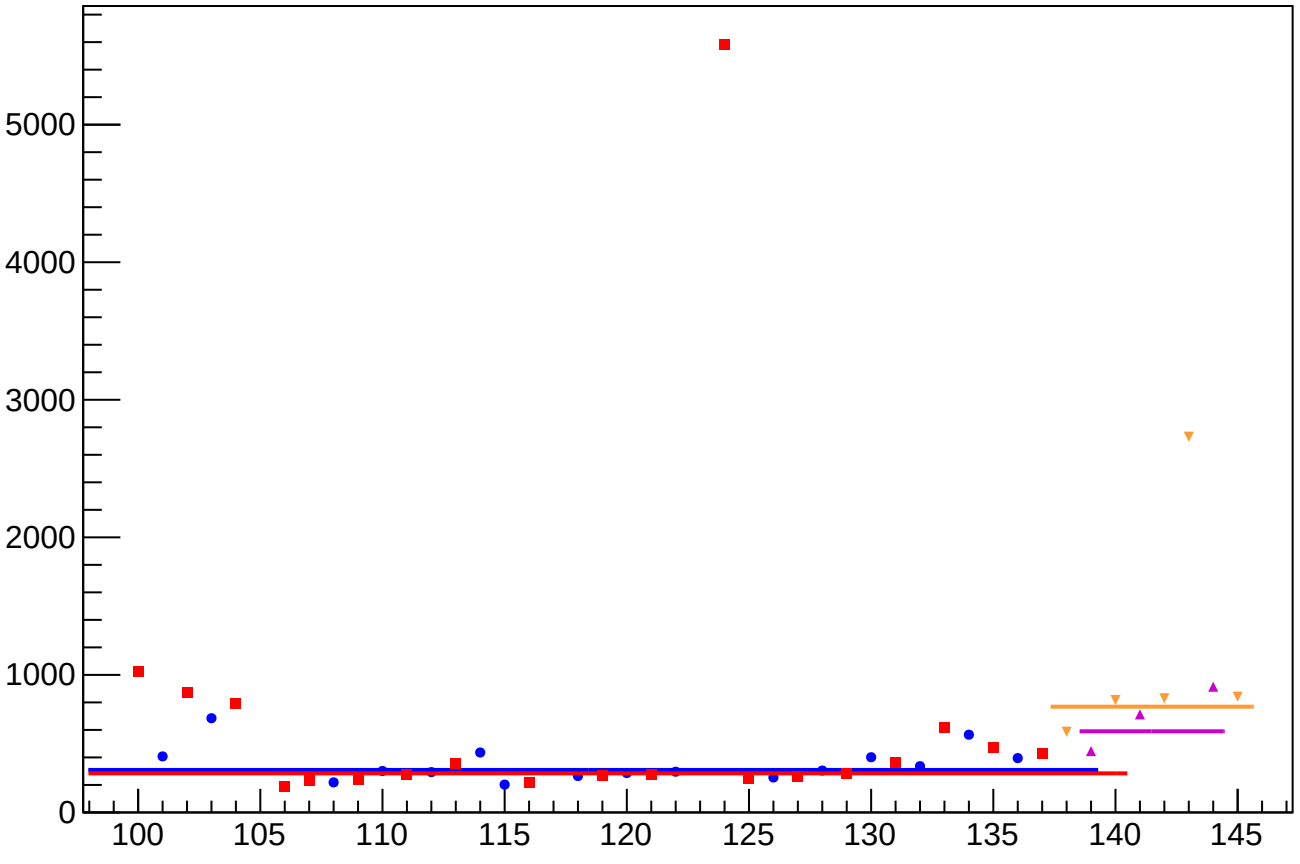
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.288+/-0.387 χ^2/NDF:7.7/2

+ sign 0.005+/-0.117 χ^2/NDF: 20.6/20

All: -0.046+/-0.081 χ^2/NDF: 55.1/42

- sign -0.093+/-0.112 χ^2/NDF: 34.1/21



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

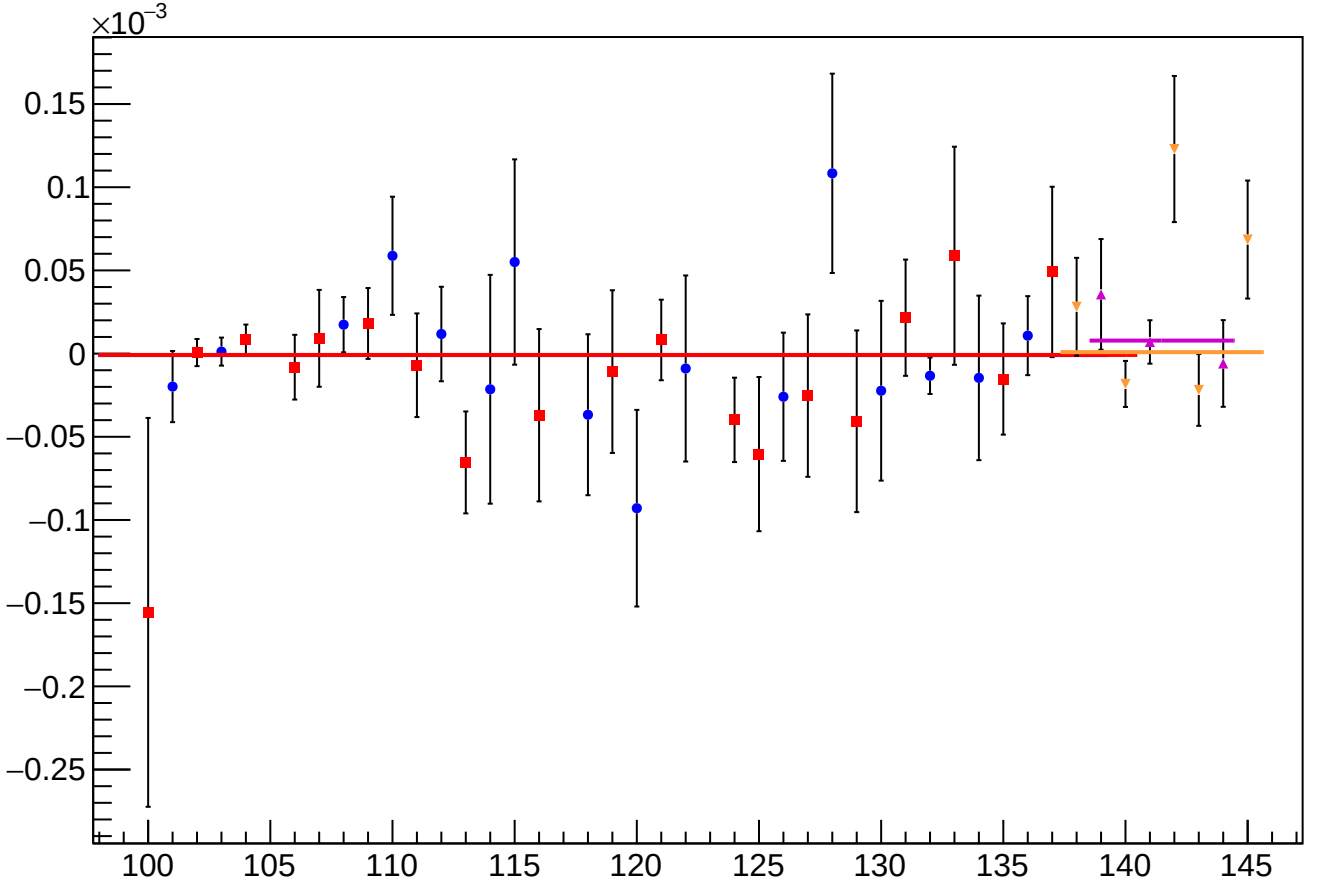
Left In: 590.020+/-0.274 χ^2/NDF:437228.4/2

+ sign 342.224+/-0.083 χ^2/NDF: 4074716.8/20

All: 325.217+/-0.057 χ^2/NDF: 7592866.3/42

- sign 309.760+/-0.079 χ^2/NDF: 3438028.1/21

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

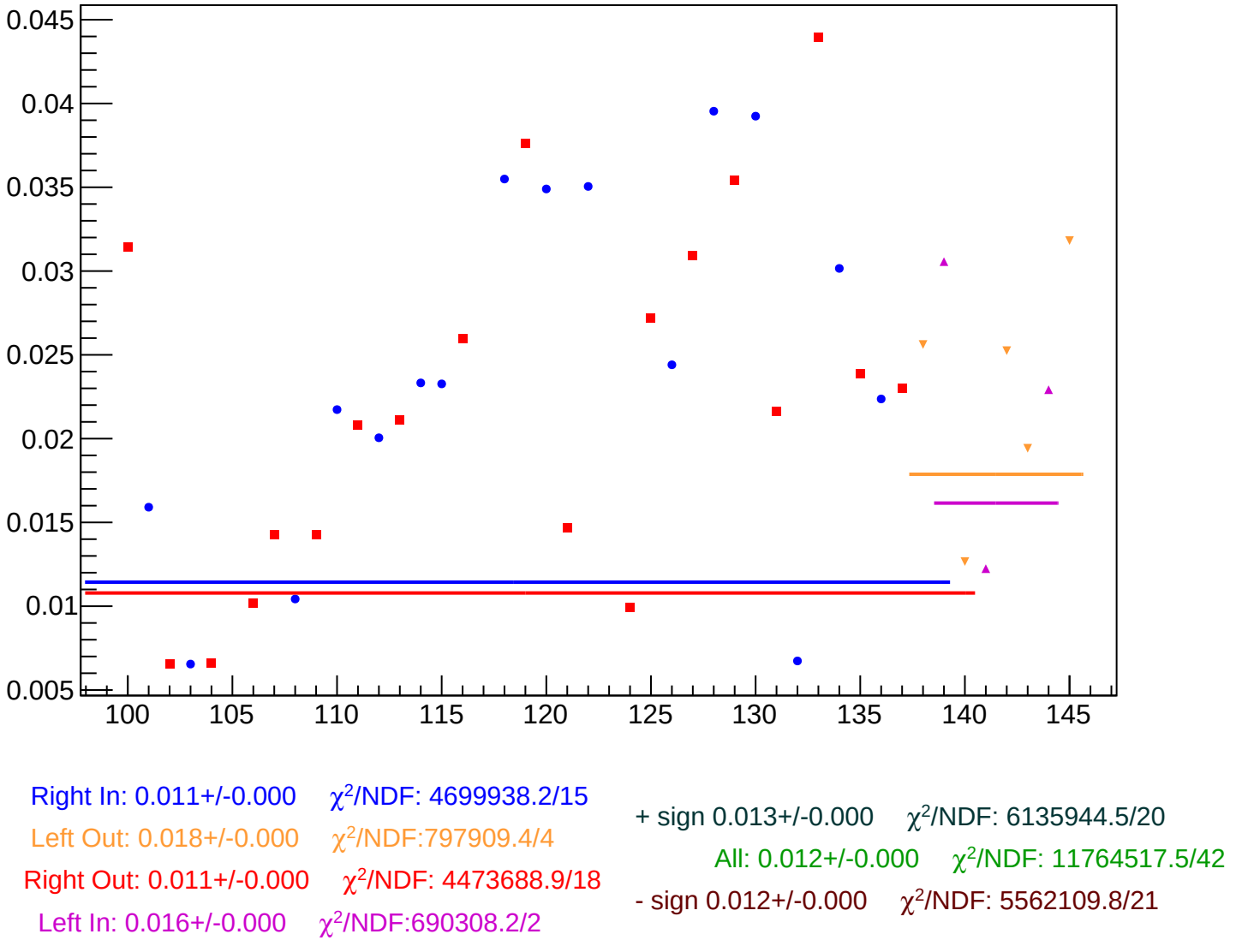
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

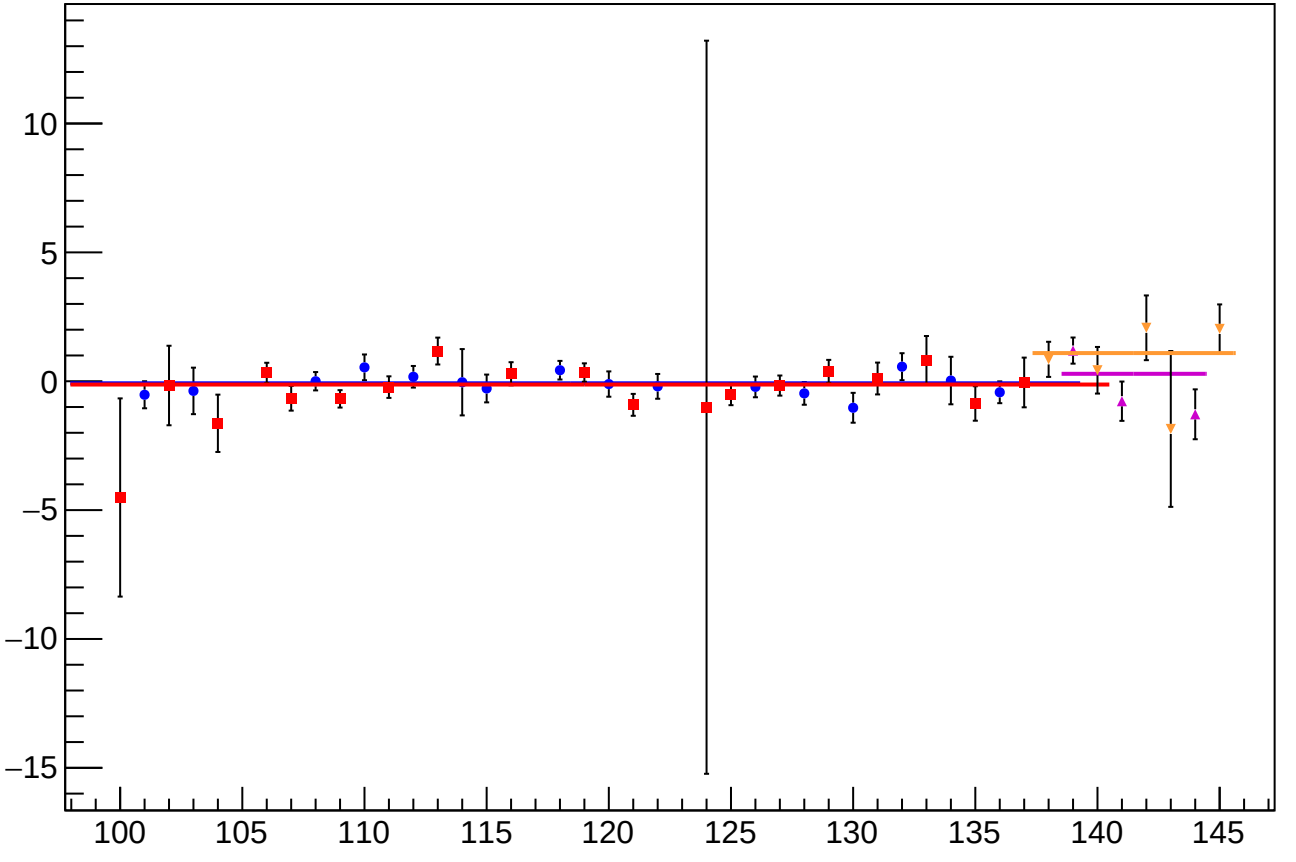
\+ sign -0.000+/-0.000 χ^2/NDF: 29.8/20

All: 0.000+/-0.000 χ^2/NDF: 47.4/42

\- sign 0.000+/-0.000 χ^2/NDF: 17.6/21


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
105
110
115
120
125
130
135
140
145
Right In: 0.011+/-0.000 χ²/NDF: 4699938.2/15
Left Out: 0.018+/-0.000 χ²/NDF:797909.4/4
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.016+/-0.000 χ²/NDF:690308.2/2
+ sign 0.013+/-0.000 χ²/NDF: 6135944.5/20
All: 0.012+/-0.000 χ²/NDF: 11764517.5/42
- sign 0.012+/-0.000 χ²/NDF: 5562109.8/21

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

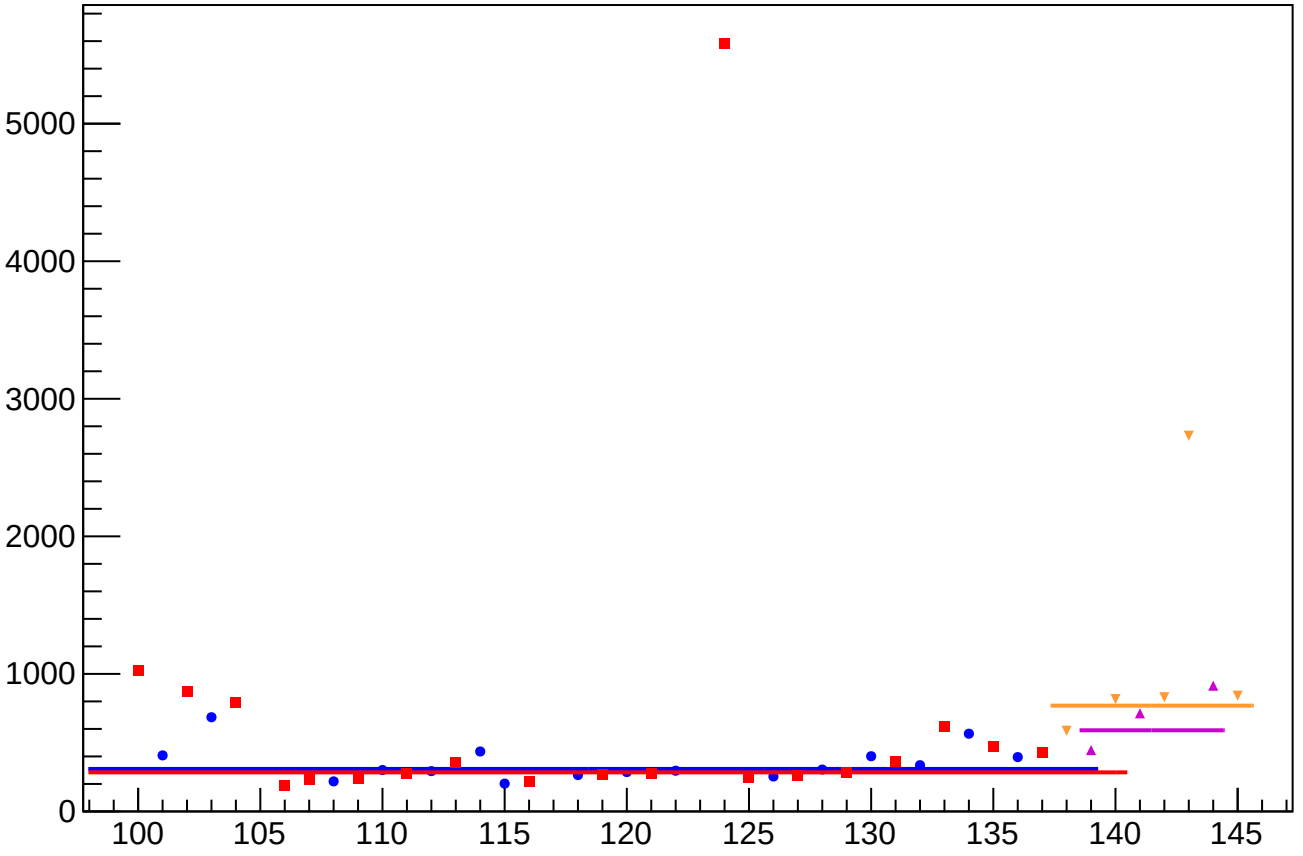
Left In: 0.288+/-0.387 χ^2/NDF:7.7/2

+ sign 0.005+/-0.117 χ^2/NDF: 20.6/20

All: -0.046+/-0.081 χ^2/NDF: 55.1/42

- sign -0.093+/-0.112 χ^2/NDF: 34.1/21

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

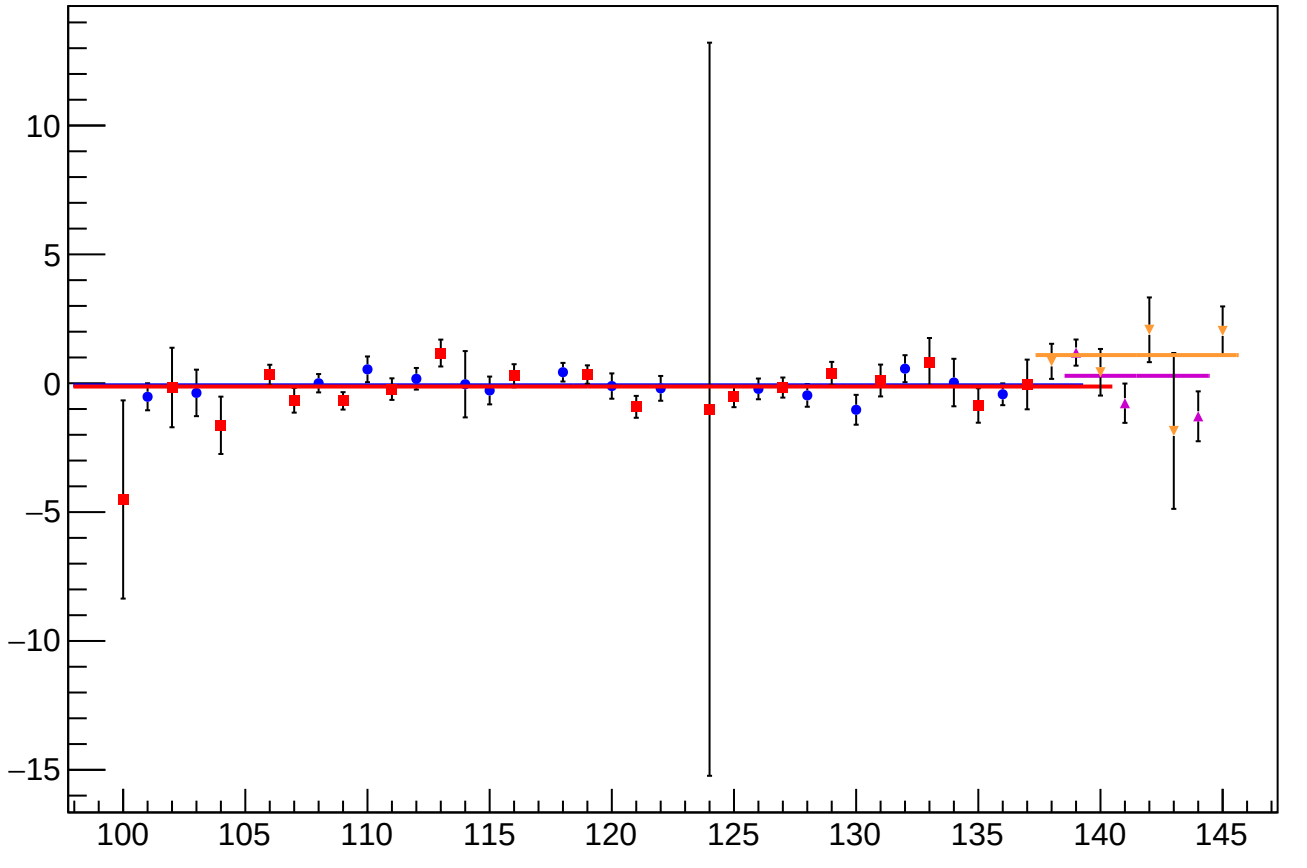
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 590.031+/-0.274 χ^2/NDF:437211.8/2

+ sign 342.223+/-0.083 χ^2/NDF: 4074726.9/20

All: 325.216+/-0.057 χ^2/NDF: 7592892.2/42

- sign 309.760+/-0.079 χ^2/NDF: 3438045.2/21



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 1.093+/-0.437 χ^2/NDF:3.2/4

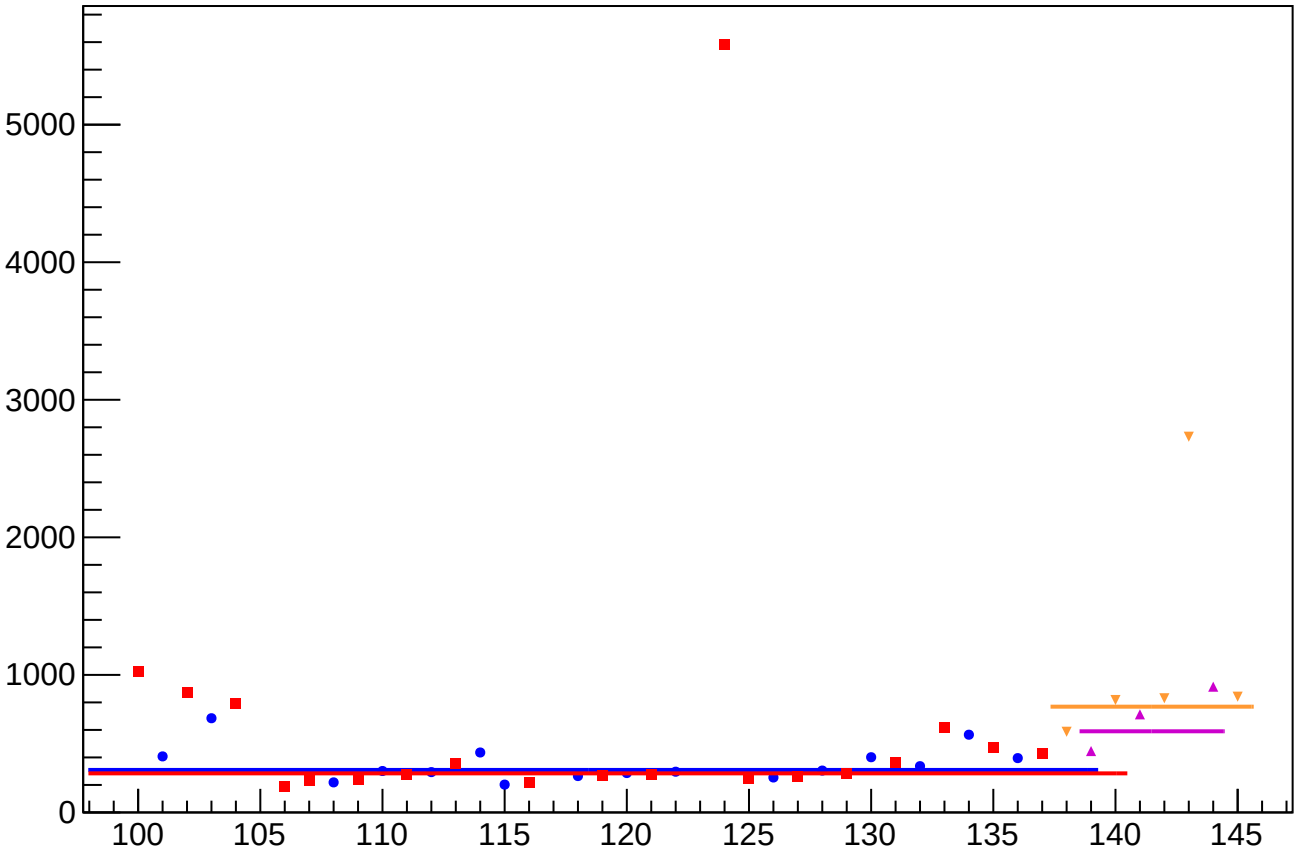
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.288+/-0.387 χ^2/NDF:7.7/2

+ sign 0.005+/-0.117 χ^2/NDF: 20.6/20

All: -0.046+/-0.081 χ^2/NDF: 55.1/42

- sign -0.093+/-0.112 χ^2/NDF: 34.1/21



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 769.023+/-0.309 χ^2/NDF:1008133.3/4

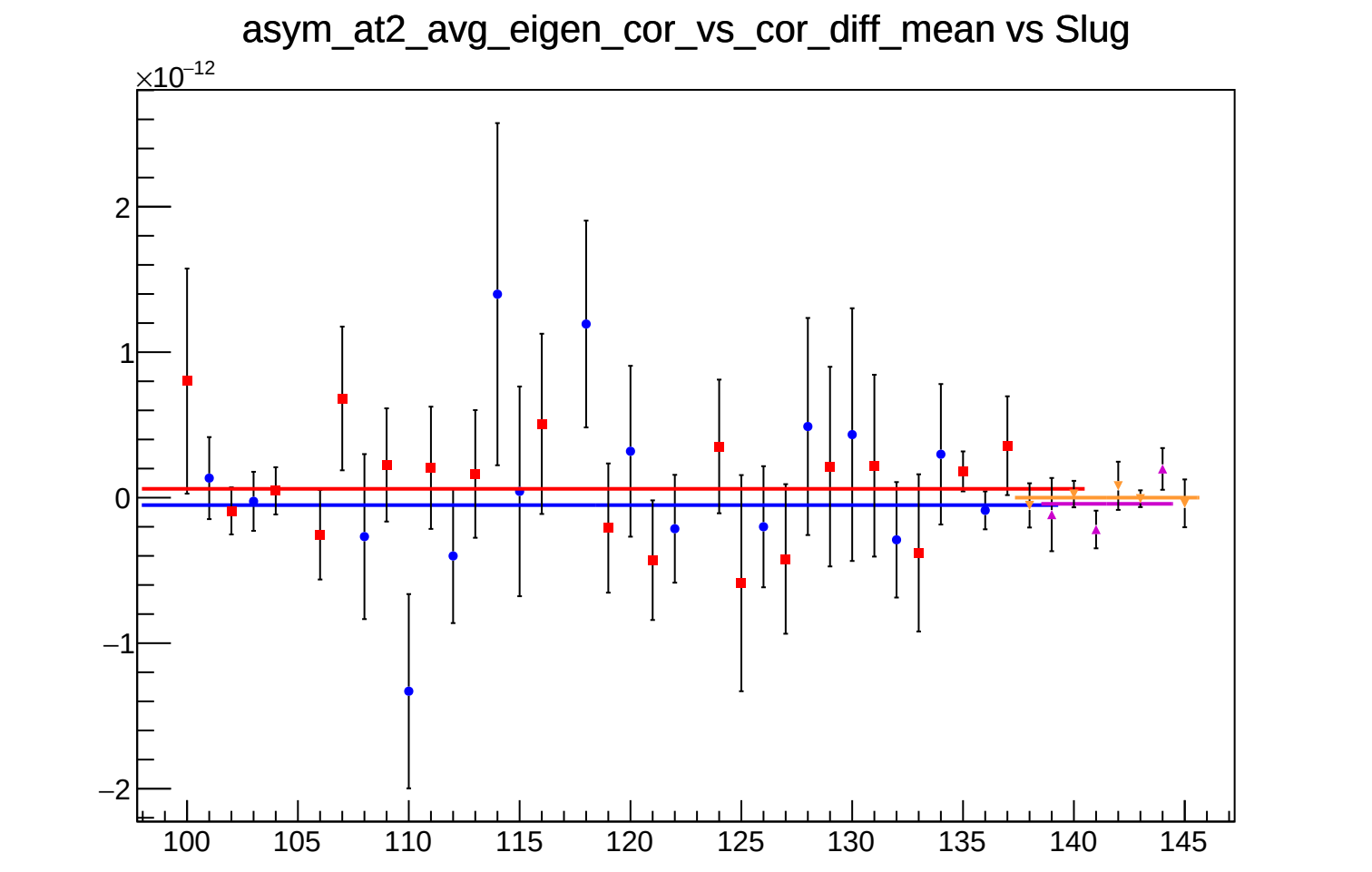
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 590.031+/-0.274 χ^2/NDF:437211.8/2

+ sign 342.223+/-0.083 χ^2/NDF: 4074726.9/20

All: 325.216+/-0.057 χ^2/NDF: 7592892.2/42

- sign 309.760+/-0.079 χ^2/NDF: 3438045.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/4

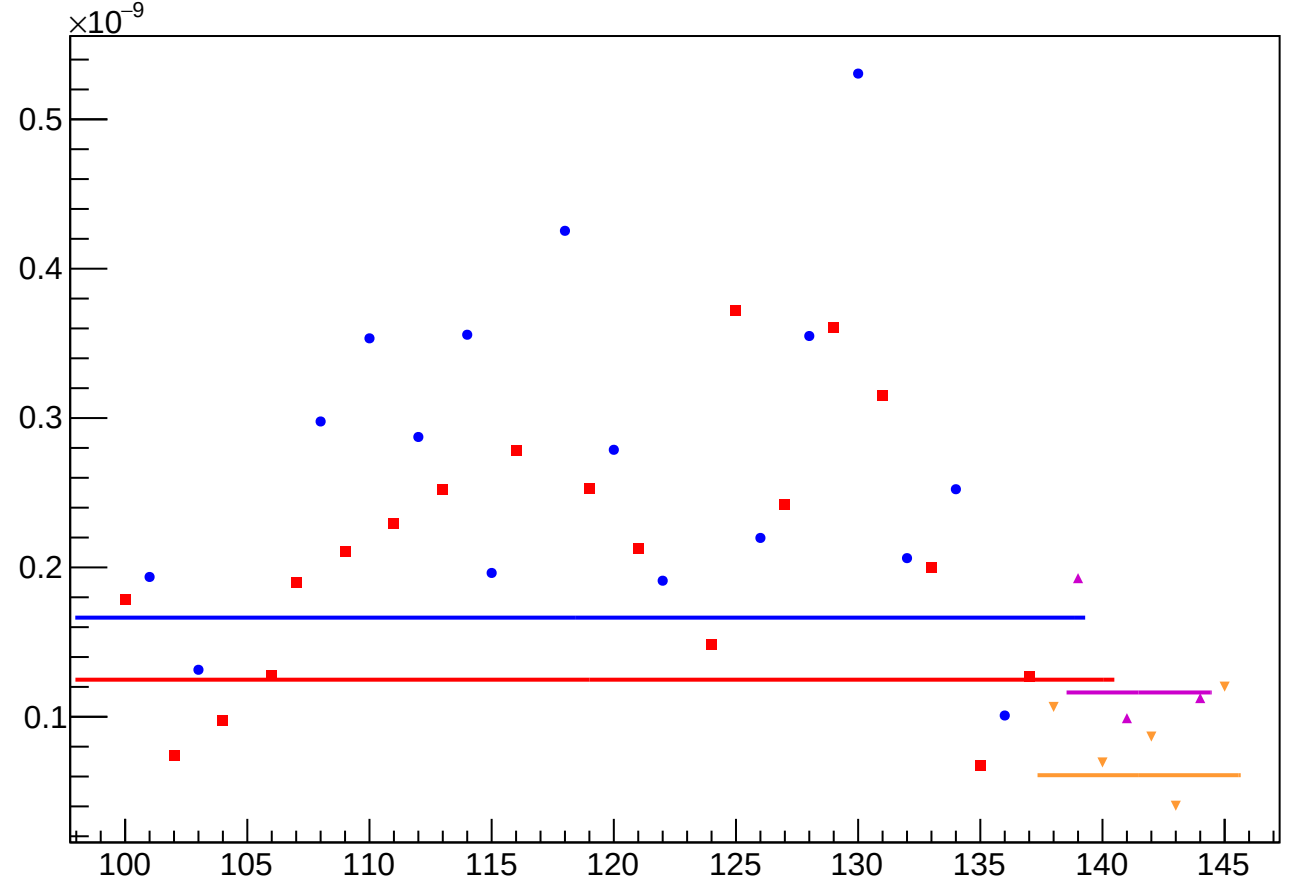
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 12.8/20

All: 0.000+/-0.000 χ^2/NDF: 30.0/42

- sign 0.000+/-0.000 χ^2/NDF: 17.0/21



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

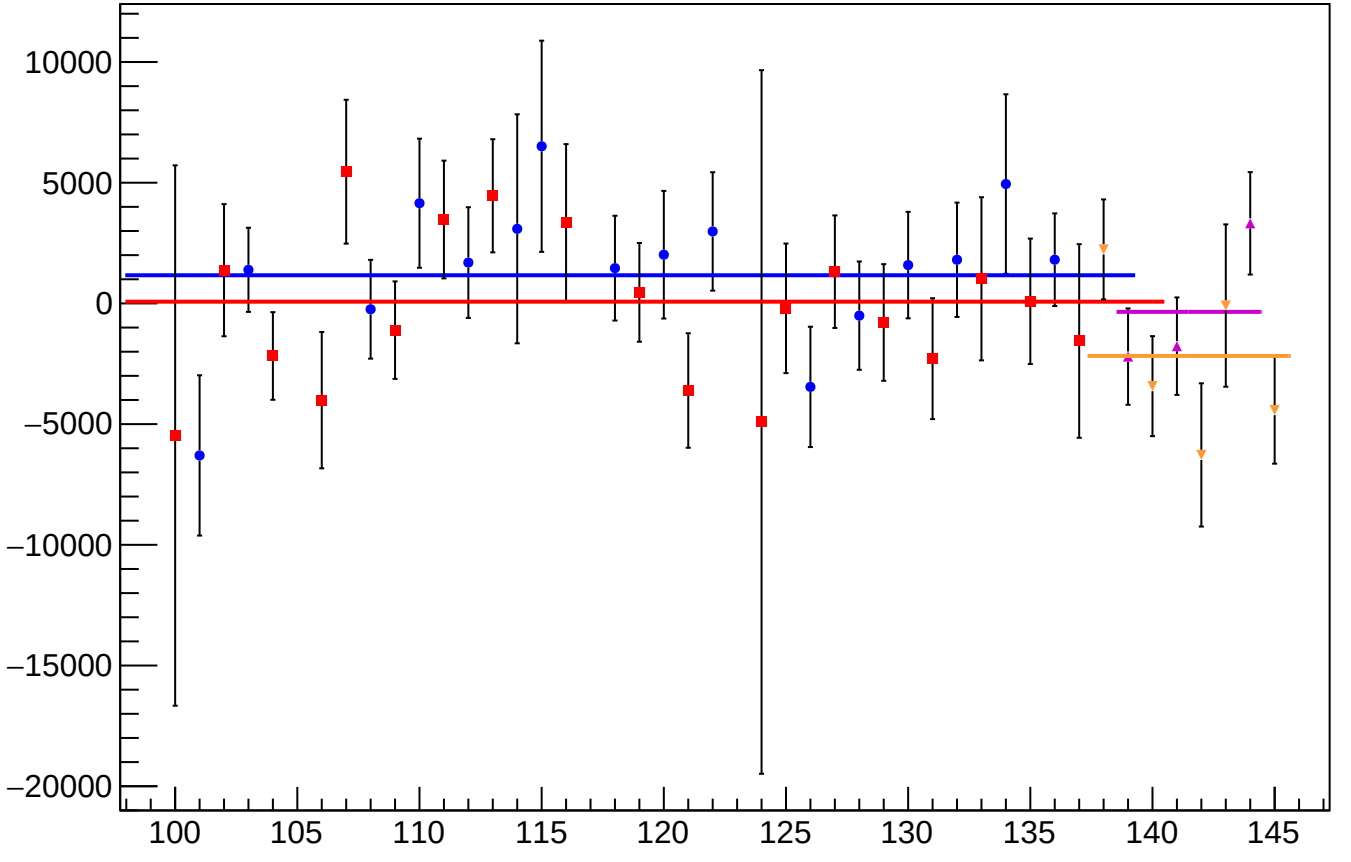
Left In: 0.000+/-0.000 χ^2/NDF:221841.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 5217827.8/20

All: 0.000+/-0.000 χ^2/NDF: 8330081.4/42

- sign 0.000+/-0.000 χ^2/NDF: 2442692.6/21

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

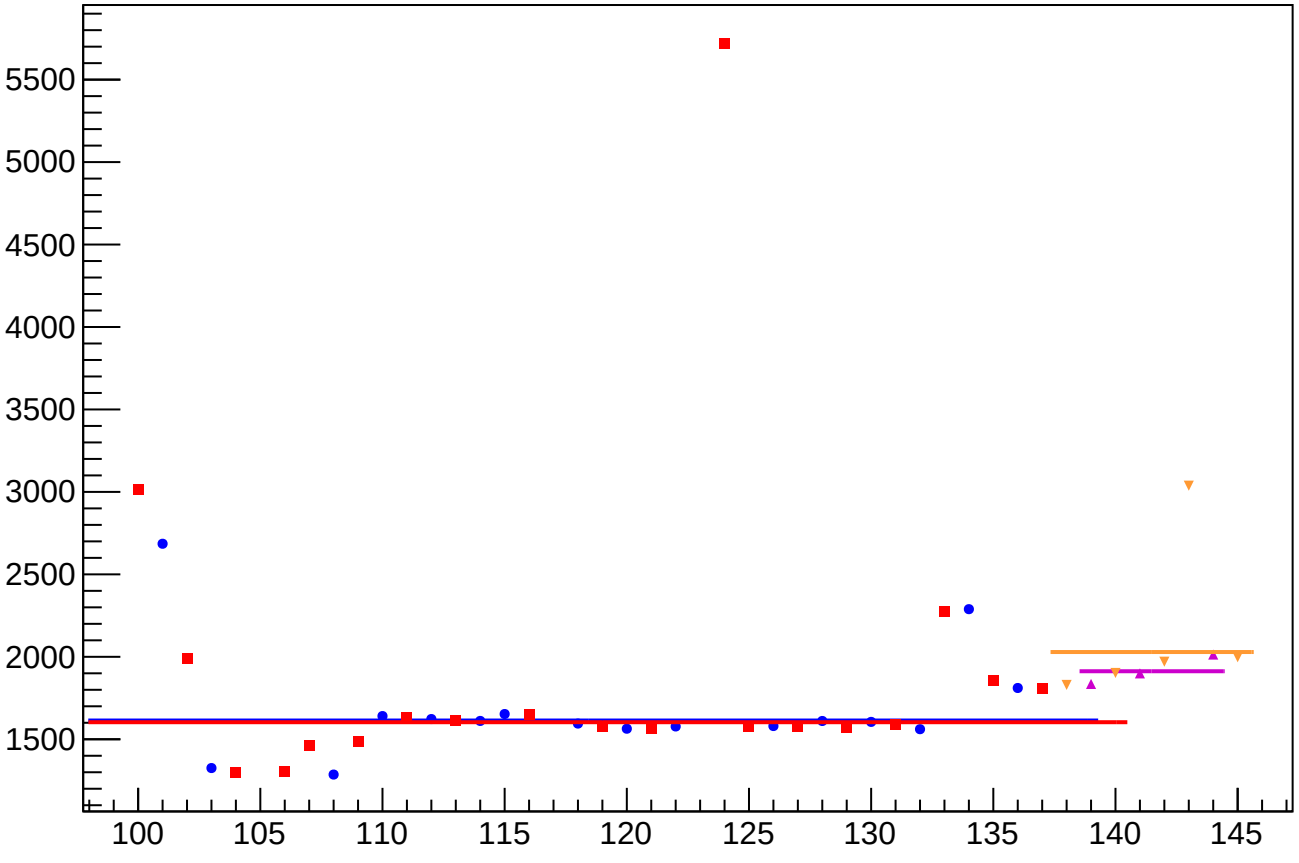
Left In: -349.034+/-1179.928 χ^2/NDF:4.3/2

+ sign 350.204+/-529.541 χ^2/NDF: 30.0/20

All: 170.160+/-377.121 χ^2/NDF: 53.0/42

- sign -15.129+/-537.201 χ^2/NDF: 22.7/21

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

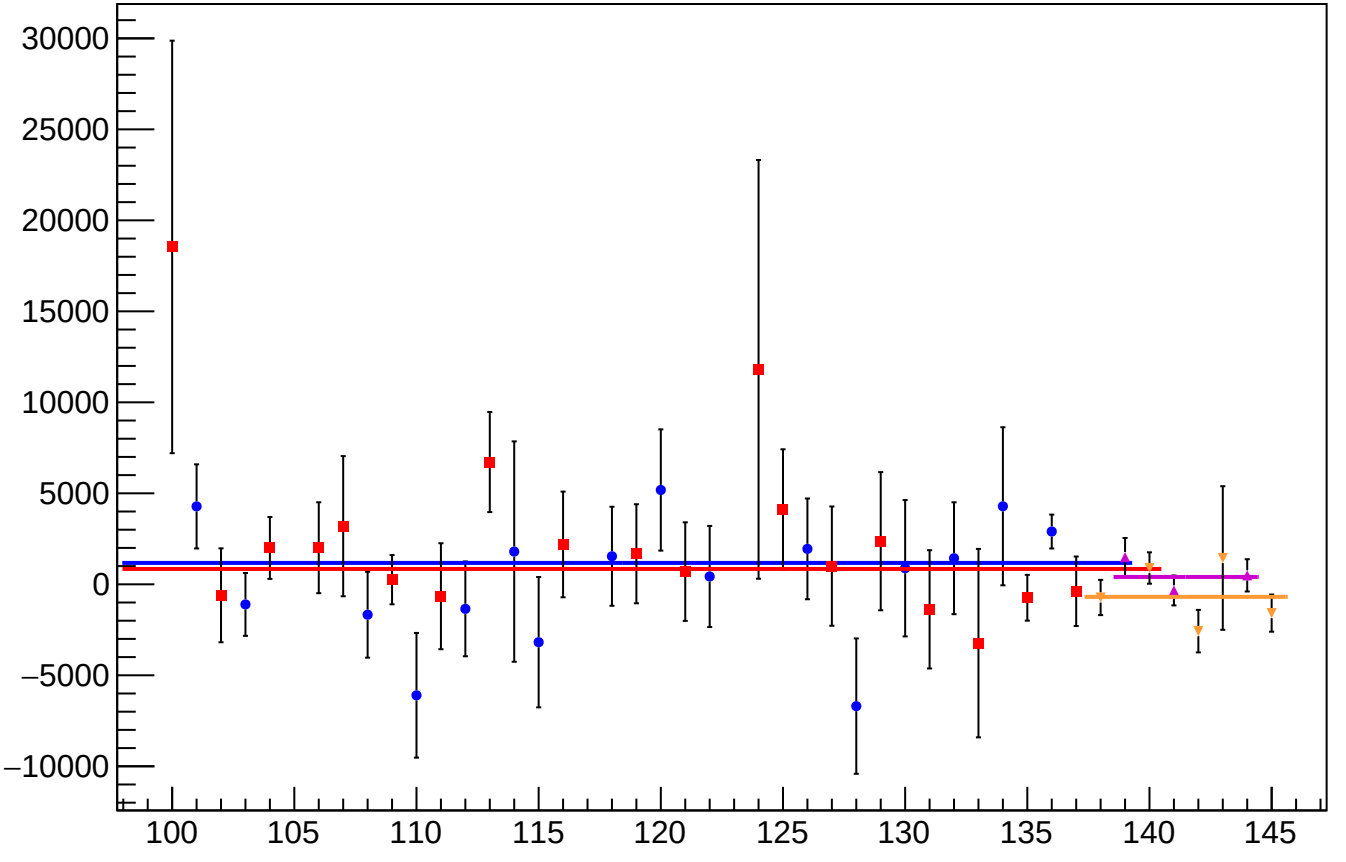
Left In: 1912.500+/-0.834 χ^2/NDF:7598.6/2

+ sign 1715.174+/-0.374 χ^2/NDF: 839191.9/20

All: 1691.690+/-0.267 χ^2/NDF: 1389322.2/42

- sign 1667.522+/-0.380 χ^2/NDF: 542148.7/21

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

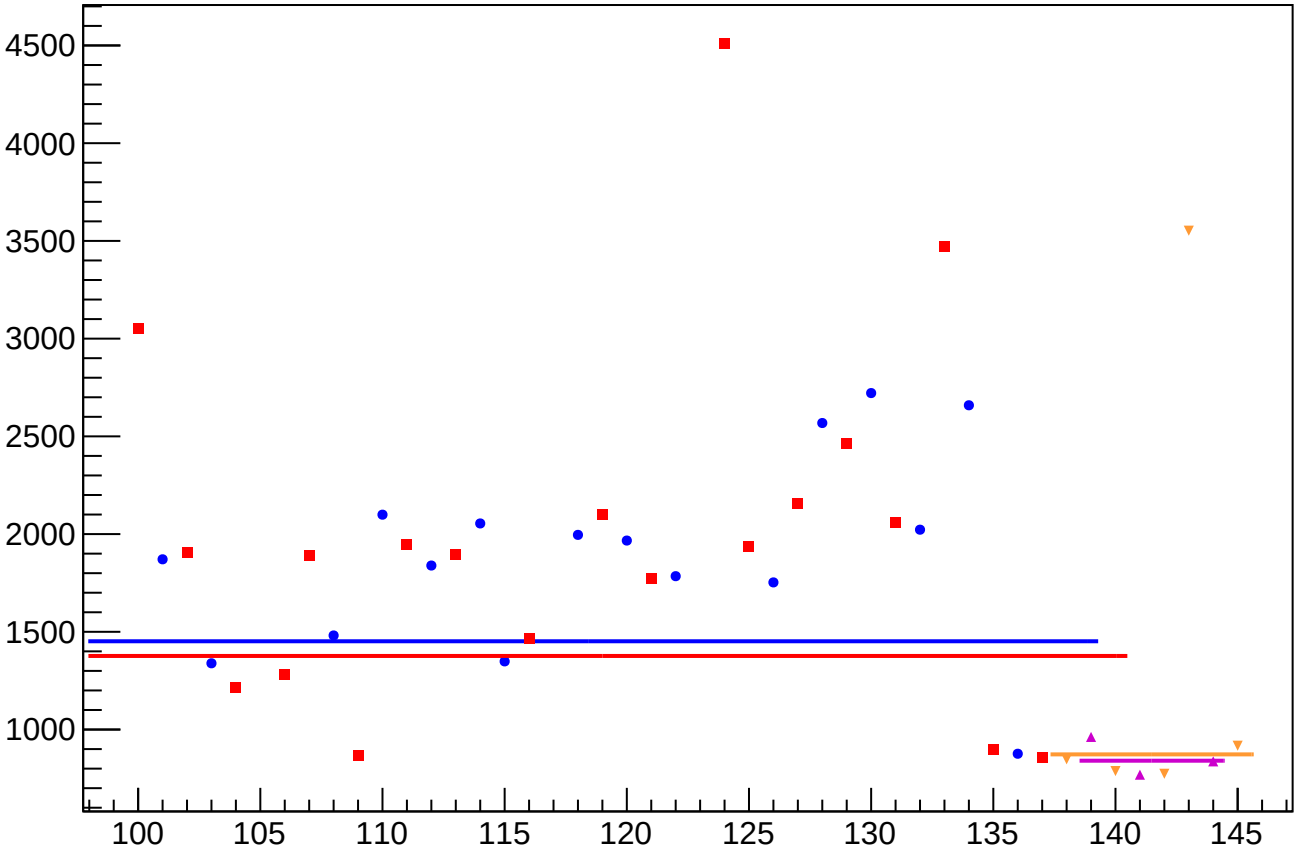
Left In: 404.256+/-522.387 χ^2/NDF:1.9/2

+ sign 87.594+/-373.865 χ^2/NDF: 35.1/20

All: 343.644+/-266.909 χ^2/NDF: 52.5/42

- sign 609.802+/-381.173 χ^2/NDF: 16.5/21

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

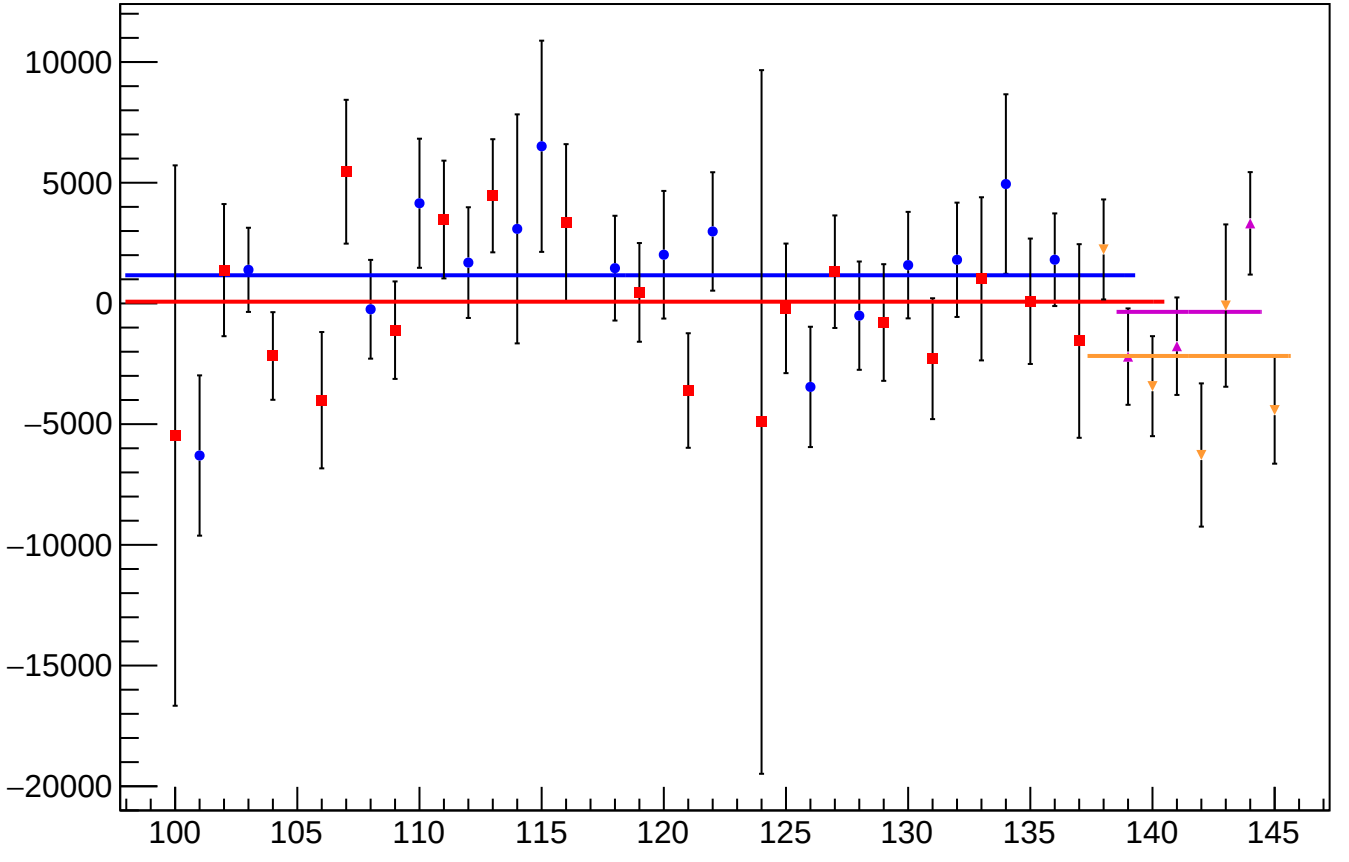
Left In: 840.534+/-0.369 χ^2/NDF:42099.4/2

+ sign 1114.132+/-0.264 χ^2/NDF: 3917577.6/20

All: 1102.851+/-0.189 χ^2/NDF: 7079726.0/42

- sign 1091.124+/-0.270 χ^2/NDF: 3158434.5/21

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

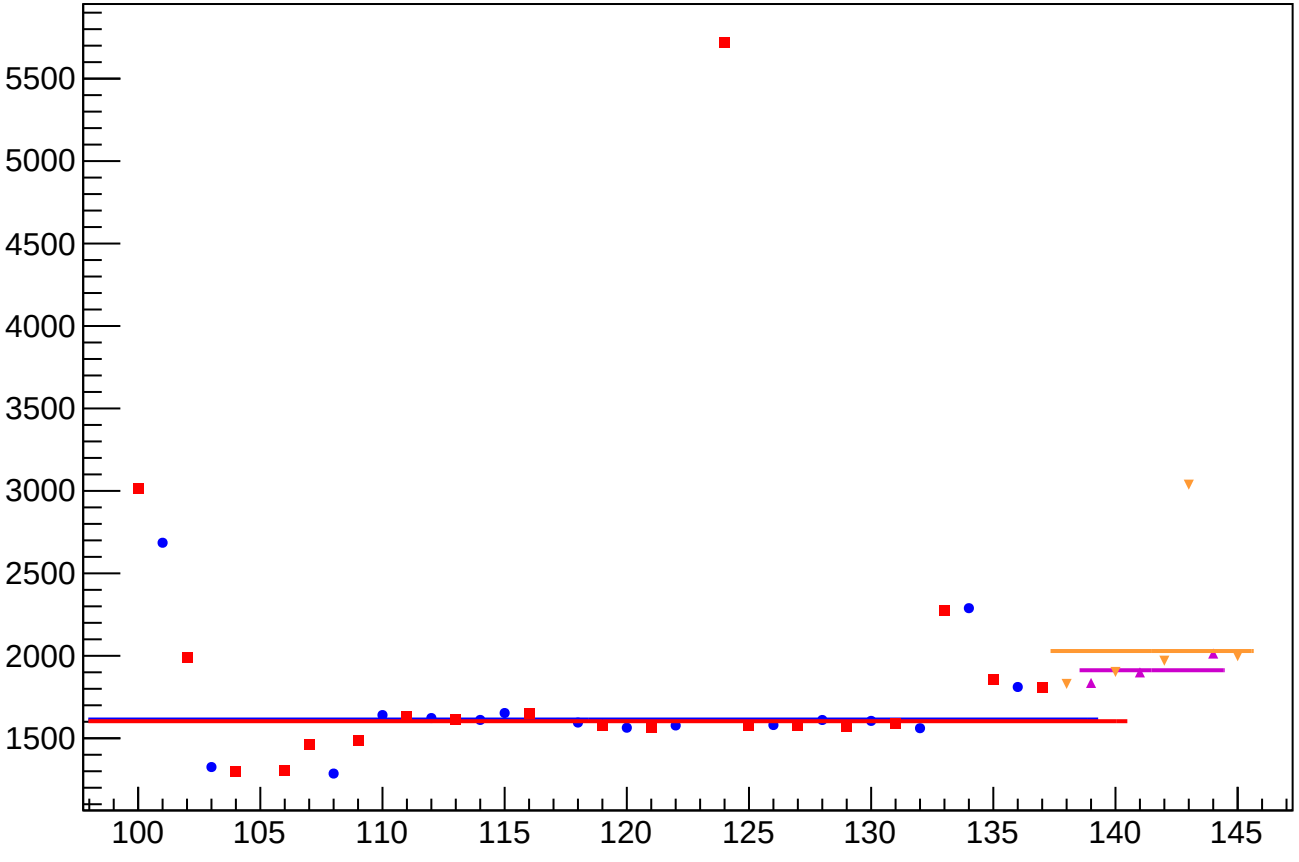
Left In: -349.122+/-1179.928 χ^2/NDF:4.3/2

+ sign 350.096+/-529.541 χ^2/NDF: 30.0/20

All: 170.221+/-377.121 χ^2/NDF: 53.0/42

- sign -14.895+/-537.201 χ^2/NDF: 22.7/21

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

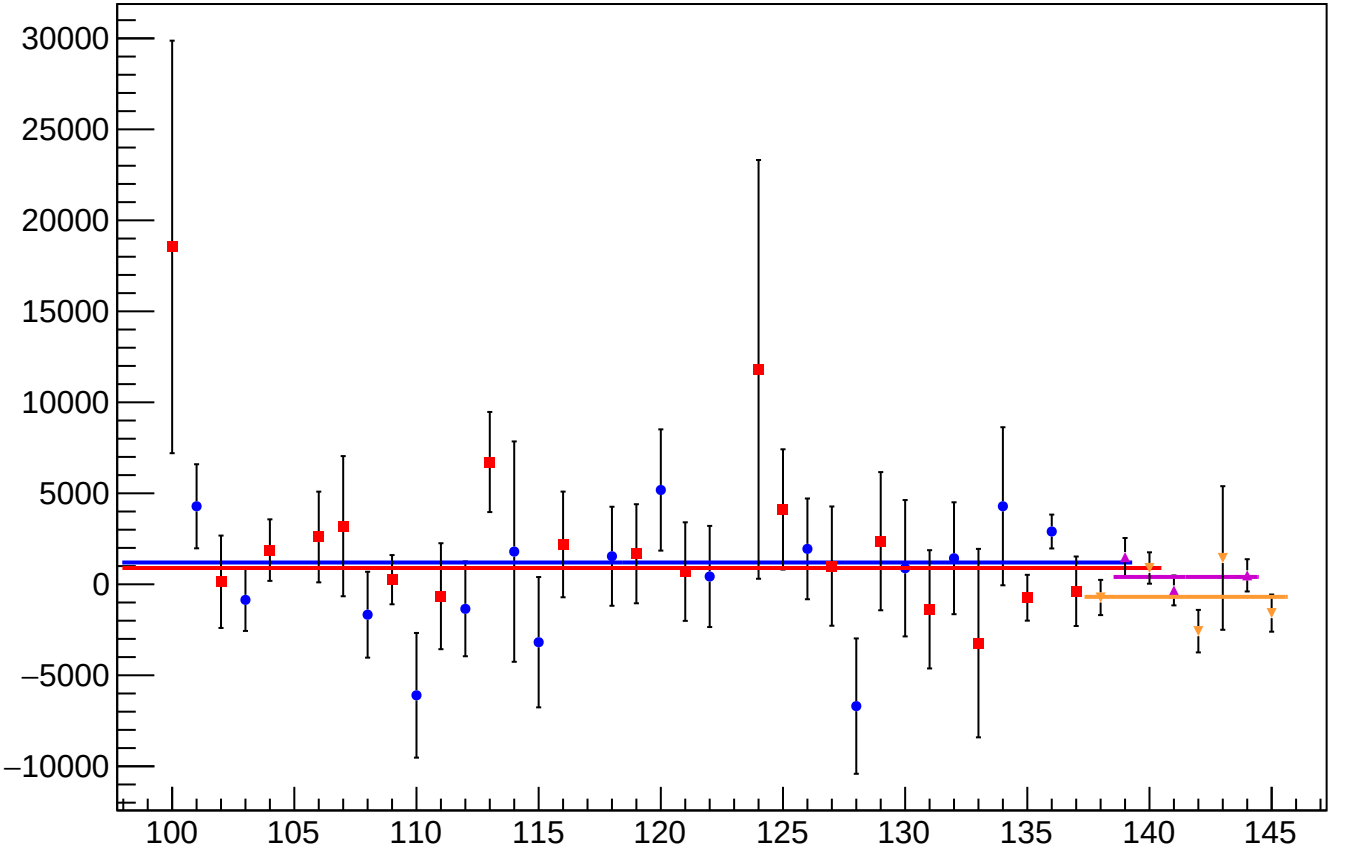
Left In: 1912.500+/-0.834 χ^2/NDF:7598.6/2

+ sign 1715.174+/-0.374 χ^2/NDF: 839192.3/20

All: 1691.690+/-0.267 χ^2/NDF: 1389322.7/42

- sign 1667.522+/-0.380 χ^2/NDF: 542148.8/21

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

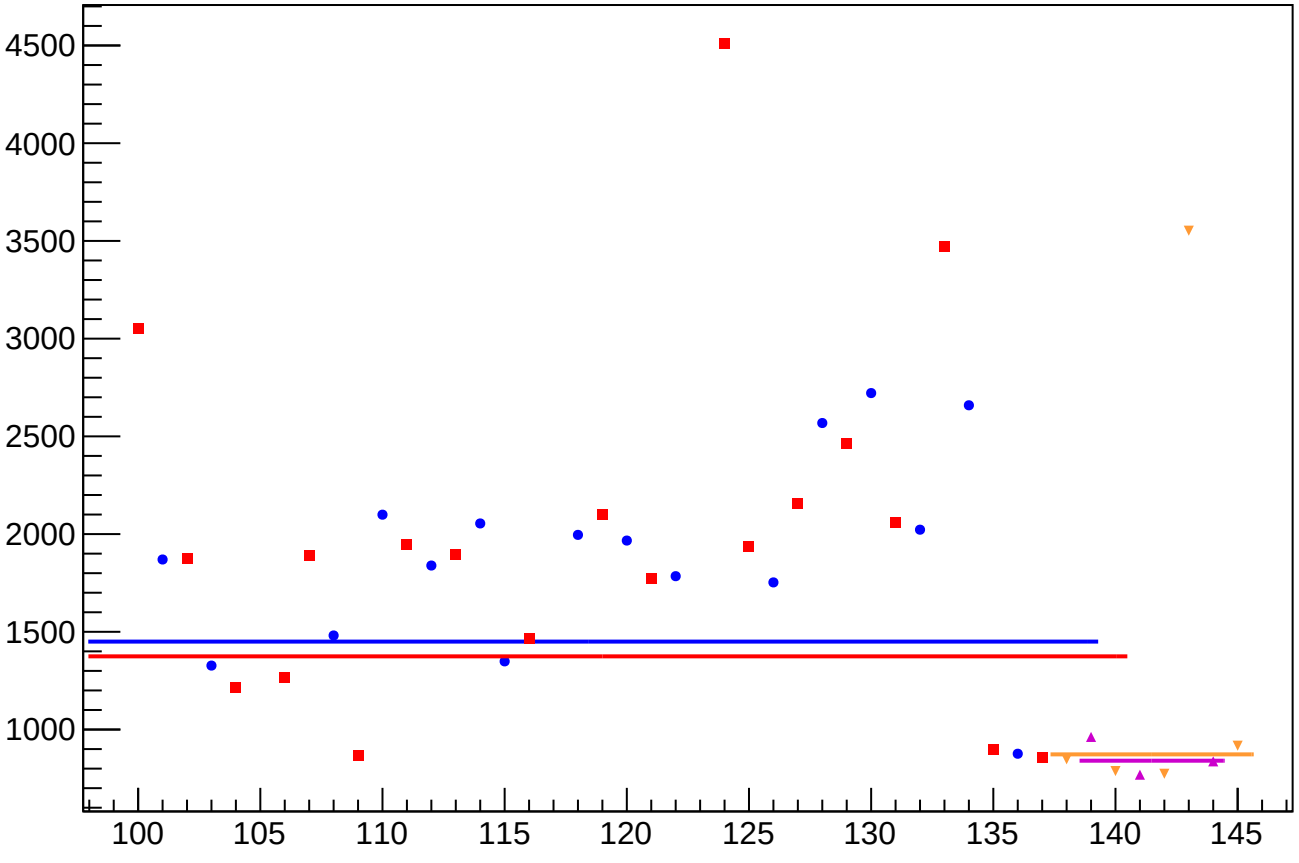
Left In: 404.420+/-522.380 χ^2/NDF:1.9/2

+ sign 98.515+/-373.650 χ^2/NDF: 34.9/20

All: 361.271+/-266.745 χ^2/NDF: 52.5/42

- sign 634.355+/-380.923 χ^2/NDF: 16.5/21

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

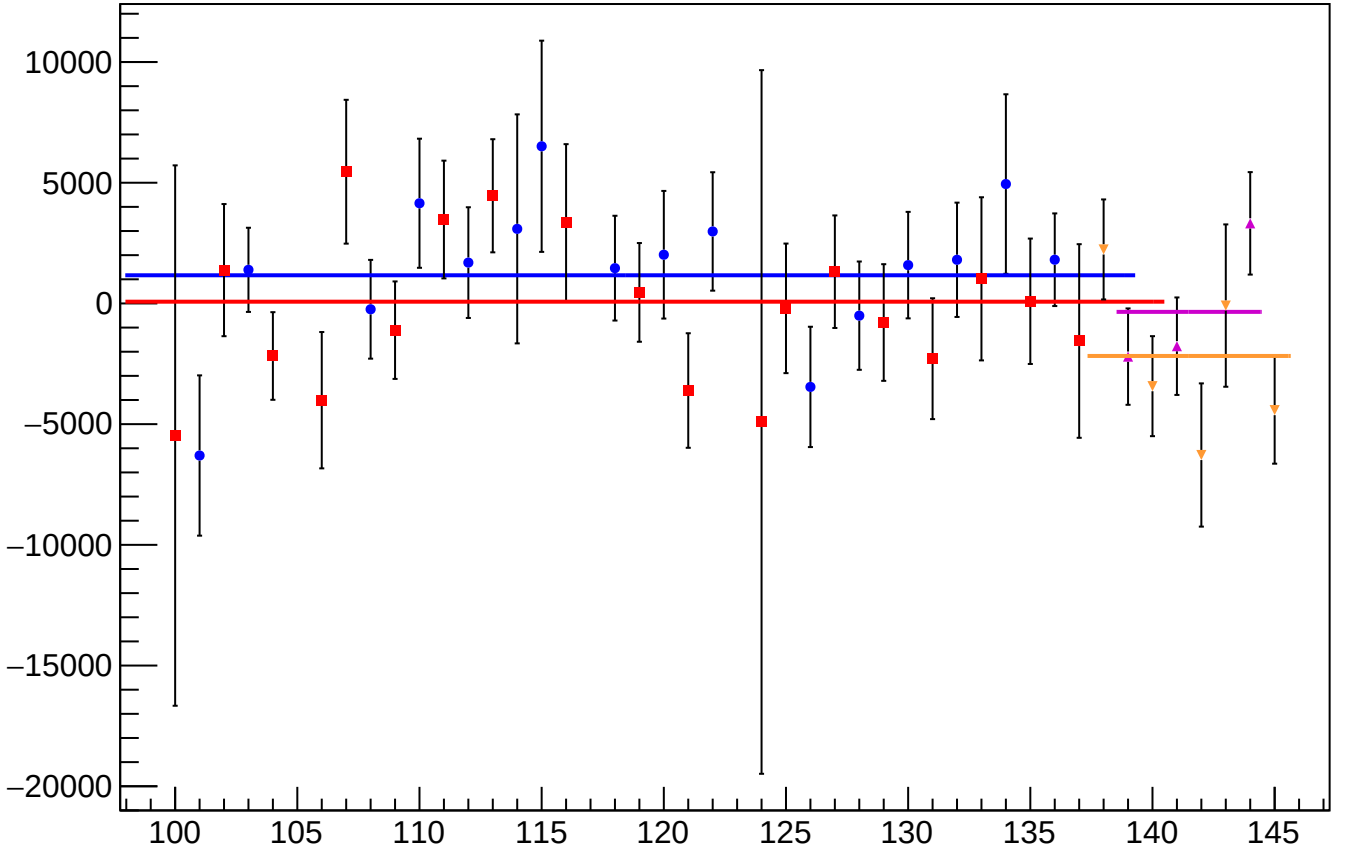
Left In: 840.521+/-0.369 χ^2/NDF:42112.7/2

+ sign 1113.851+/-0.264 χ^2/NDF: 3914338.2/20

All: 1102.416+/-0.189 χ^2/NDF: 7066305.1/42

- sign 1090.531+/-0.269 χ^2/NDF: 3148146.8/21

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

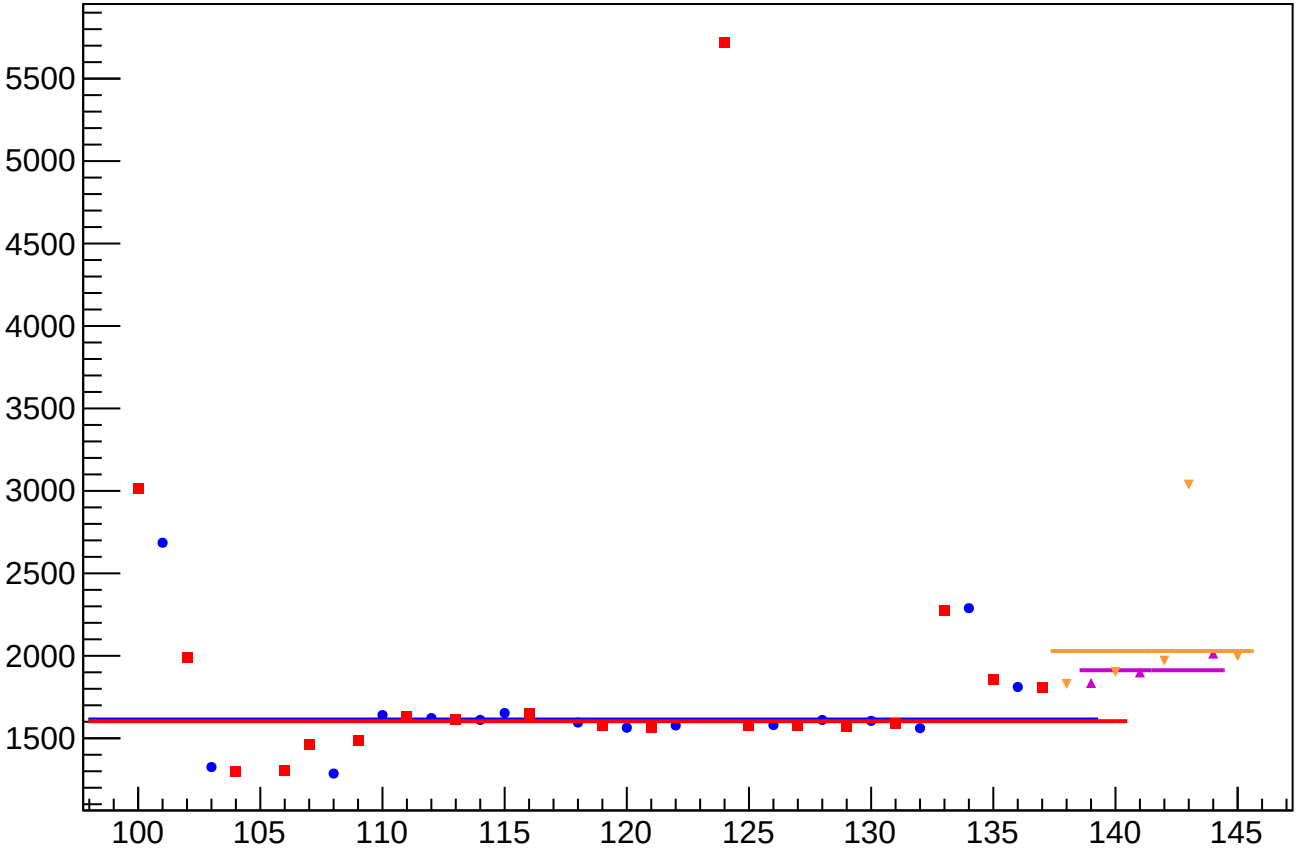
Left In: -349.122+/-1179.928 χ^2/NDF:4.3/2

+ sign 350.096+/-529.541 χ^2/NDF: 30.0/20

All: 170.221+/-377.121 χ^2/NDF: 53.0/42

- sign -14.895+/-537.201 χ^2/NDF: 22.7/21

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

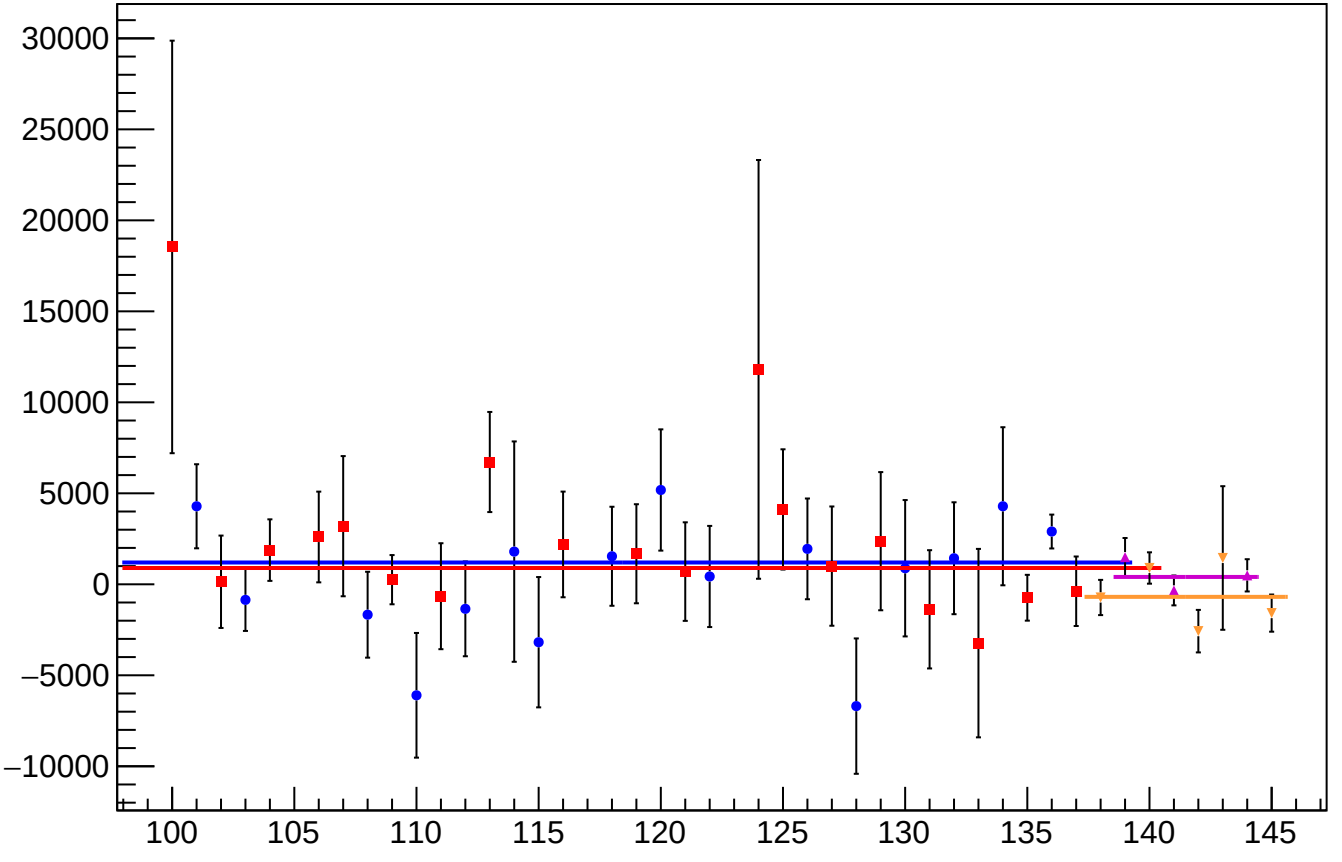
Left In: 1912.500+/-0.834 χ^2/NDF:7598.6/2

+ sign 1715.174+/-0.374 χ^2/NDF: 839192.3/20

All: 1691.690+/-0.267 χ^2/NDF: 1389322.7/42

- sign 1667.522+/-0.380 χ^2/NDF: 542148.8/21

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

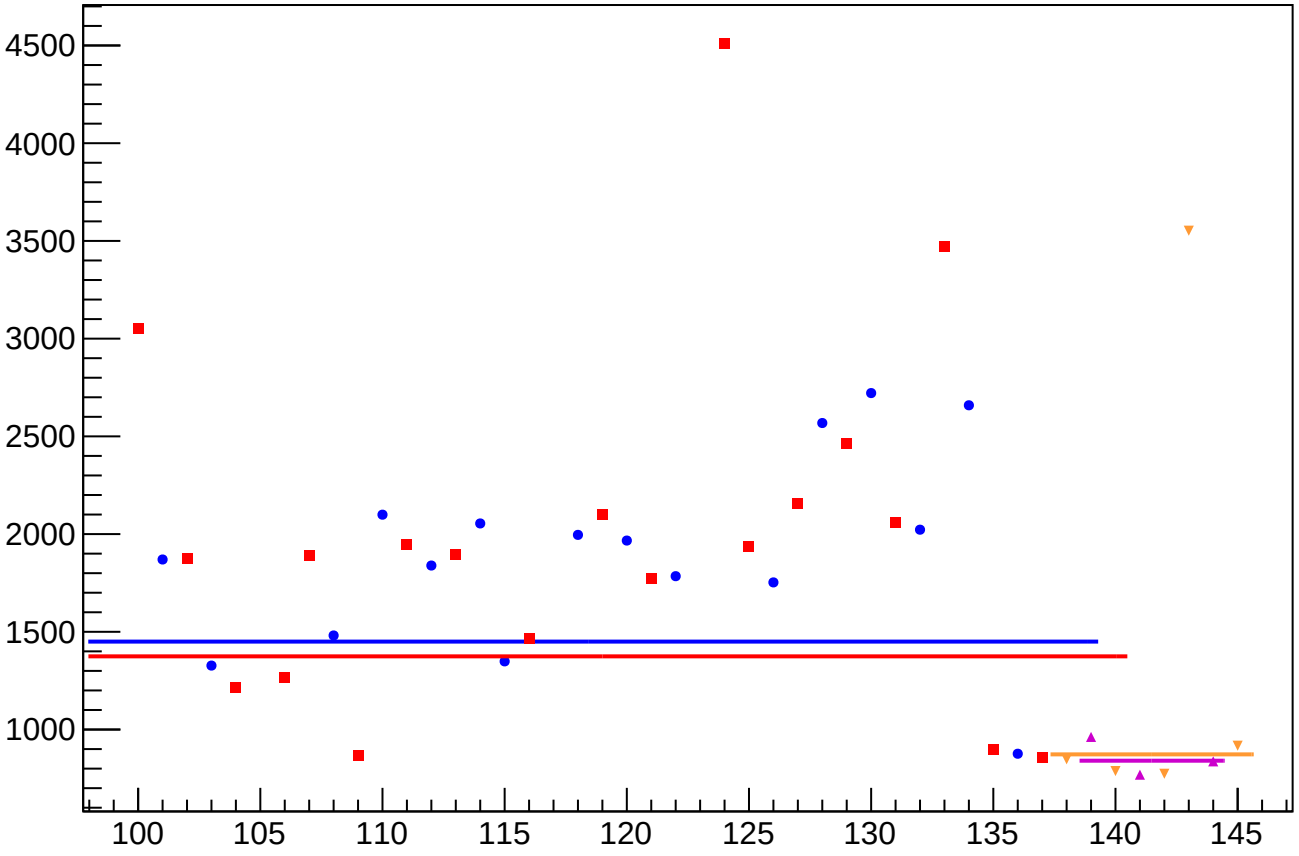
Left In: 404.420+/-522.380 χ^2/NDF:1.9/2

+ sign 98.515+/-373.650 χ^2/NDF: 34.9/20

All: 361.271+/-266.745 χ^2/NDF: 52.5/42

- sign 634.355+/-380.923 χ^2/NDF: 16.5/21

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

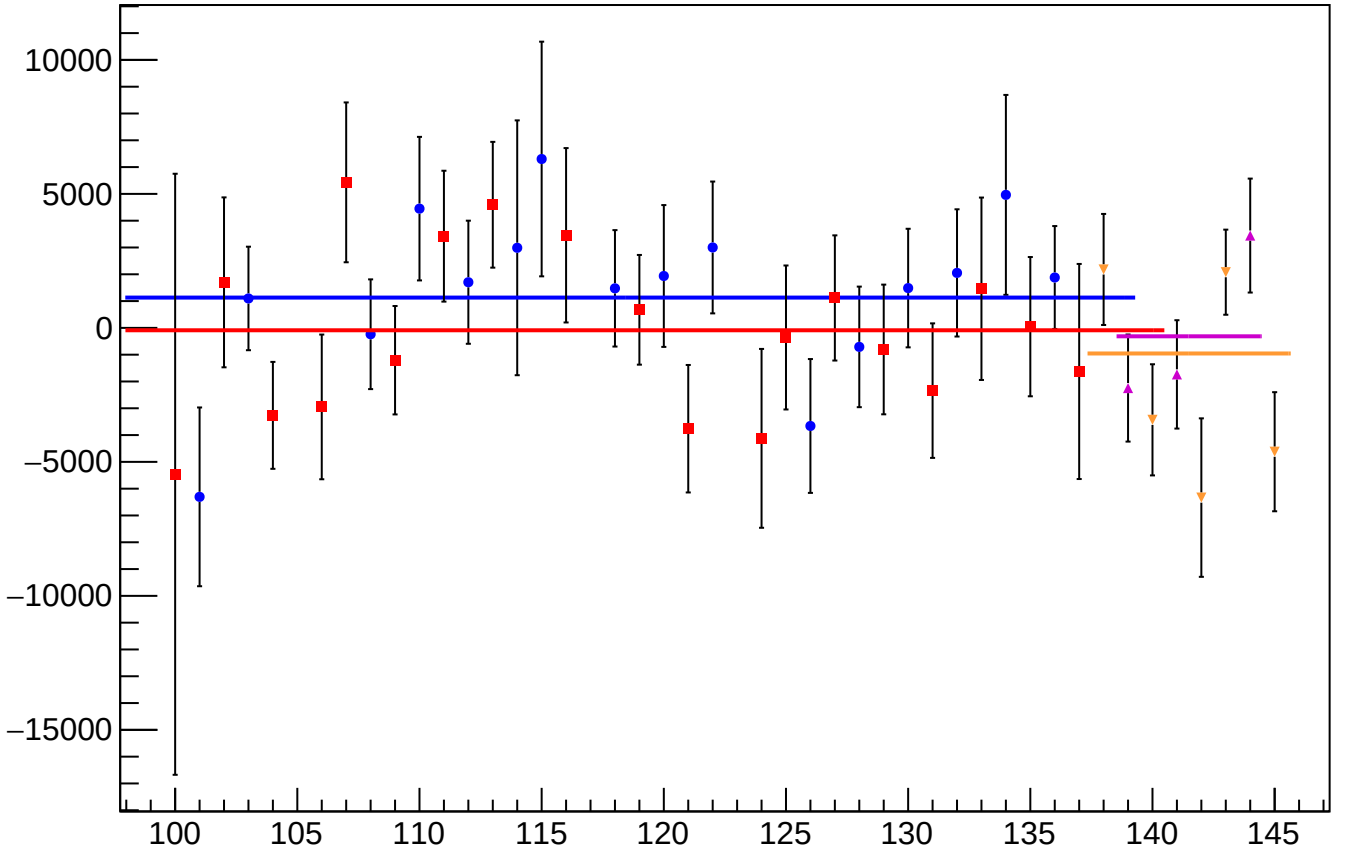
Left In: 840.521+/-0.369 χ^2/NDF:42112.7/2

+ sign 1113.851+/-0.264 χ^2/NDF: 3914338.2/20

All: 1102.416+/-0.189 χ^2/NDF: 7066305.1/42

- sign 1090.531+/-0.269 χ^2/NDF: 3148146.8/21

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

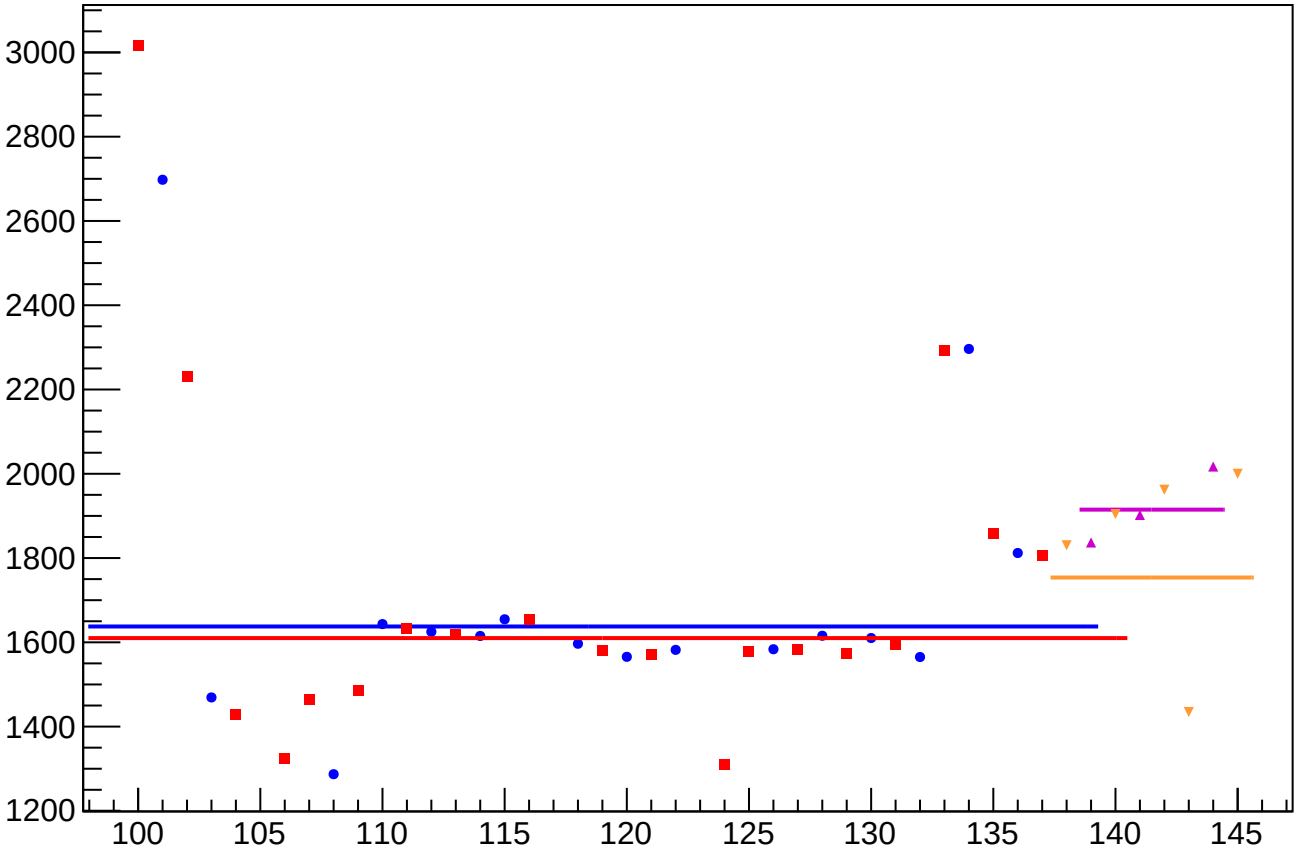
Left In: -314.273+/-1181.453 χ^2/NDF:4.6/2

+ sign 484.247+/-512.737 χ^2/NDF: 31.9/20

All: 188.657+/-370.887 χ^2/NDF: 57.9/42

- sign -135.739+/-537.140 χ^2/NDF: 25.3/21

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

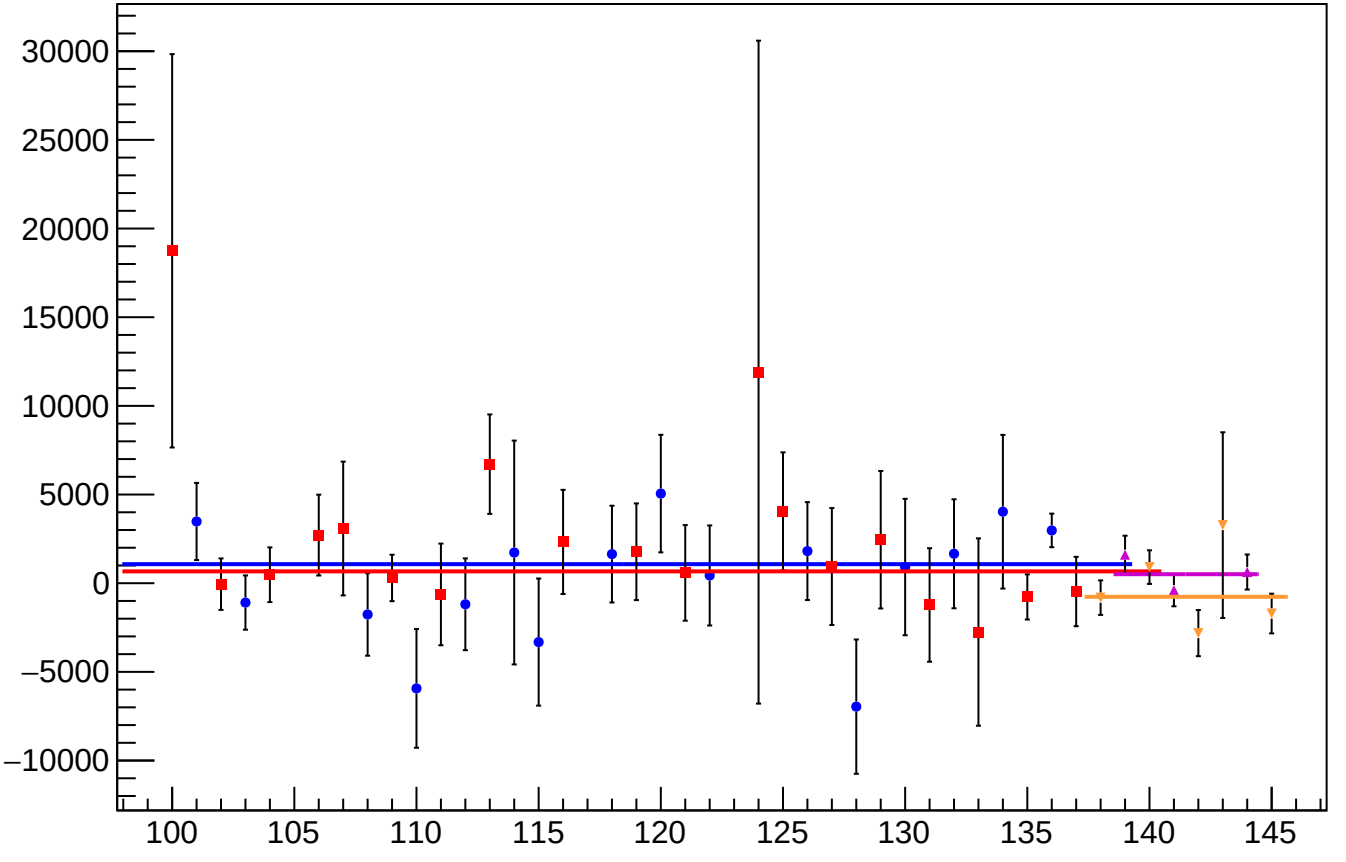
Left In: 1914.919+/-0.835 χ^2/NDF:7752.7/2

+ sign 1673.592+/-0.363 χ^2/NDF: 511992.1/20

All: 1673.339+/-0.262 χ^2/NDF: 906211.2/42

- sign 1673.061+/-0.380 χ^2/NDF: 394218.1/21

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

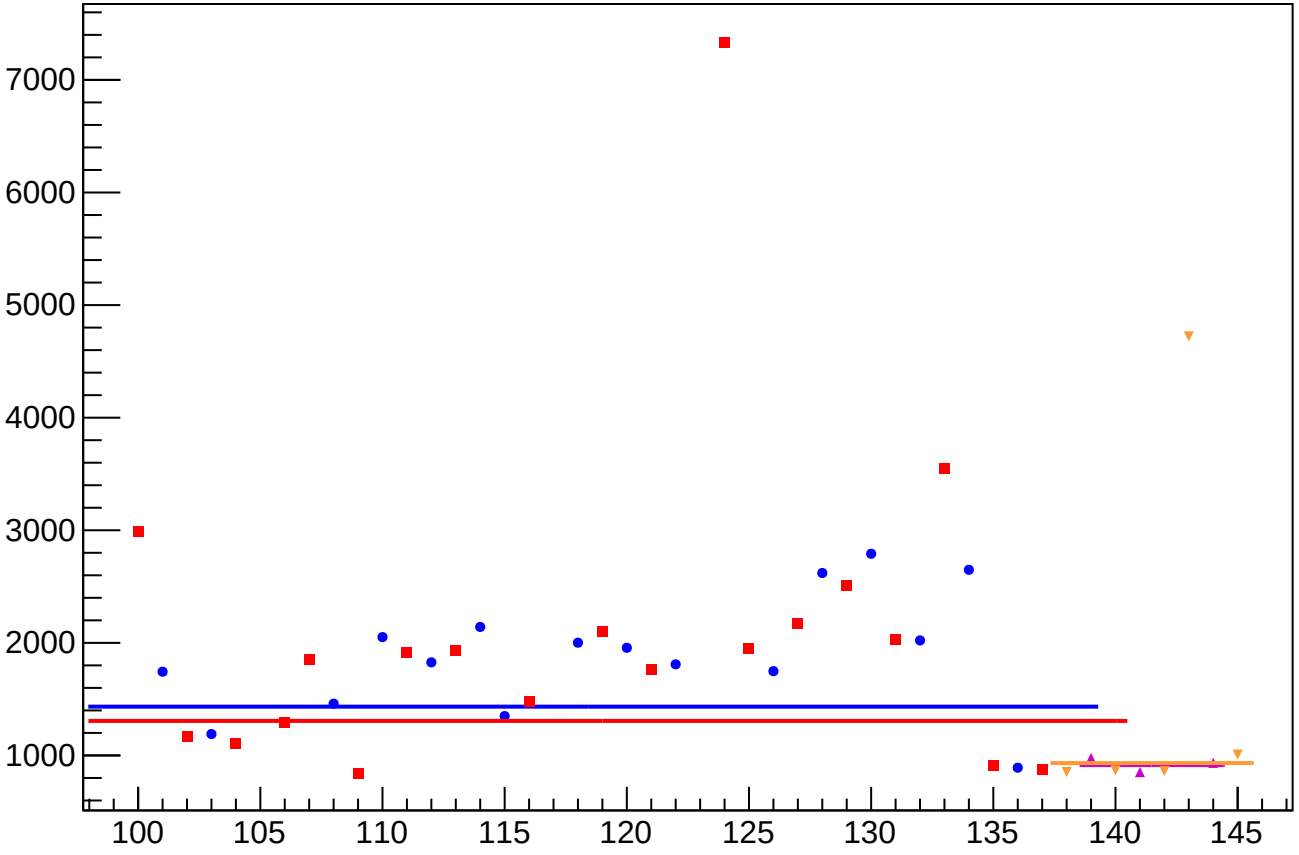
Left In: 507.325+/-567.226 χ^2/NDF:2.1/2

+ sign 79.481+/-387.720 χ^2/NDF: 34.5/20

All: 338.746+/-273.083 χ^2/NDF: 51.1/42

- sign 593.977+/-384.692 χ^2/NDF: 15.7/21

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

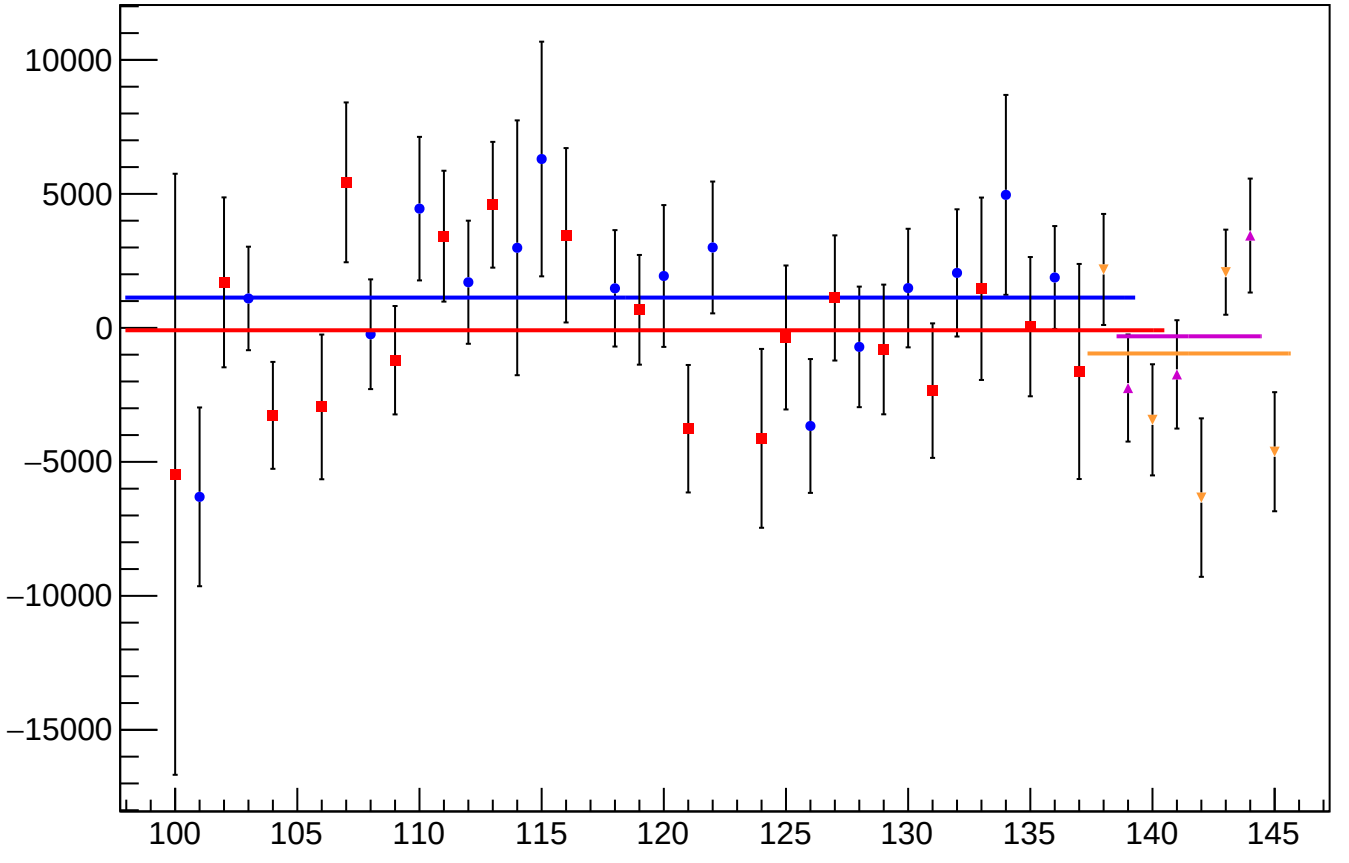
Left In: 914.558+/-0.401 χ^2/NDF:17260.7/2

+ sign 1162.920+/-0.274 χ^2/NDF: 3679357.1/20

All: 1144.528+/-0.193 χ^2/NDF: 6406114.1/42

- sign 1126.423+/-0.272 χ^2/NDF: 2717826.6/21

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

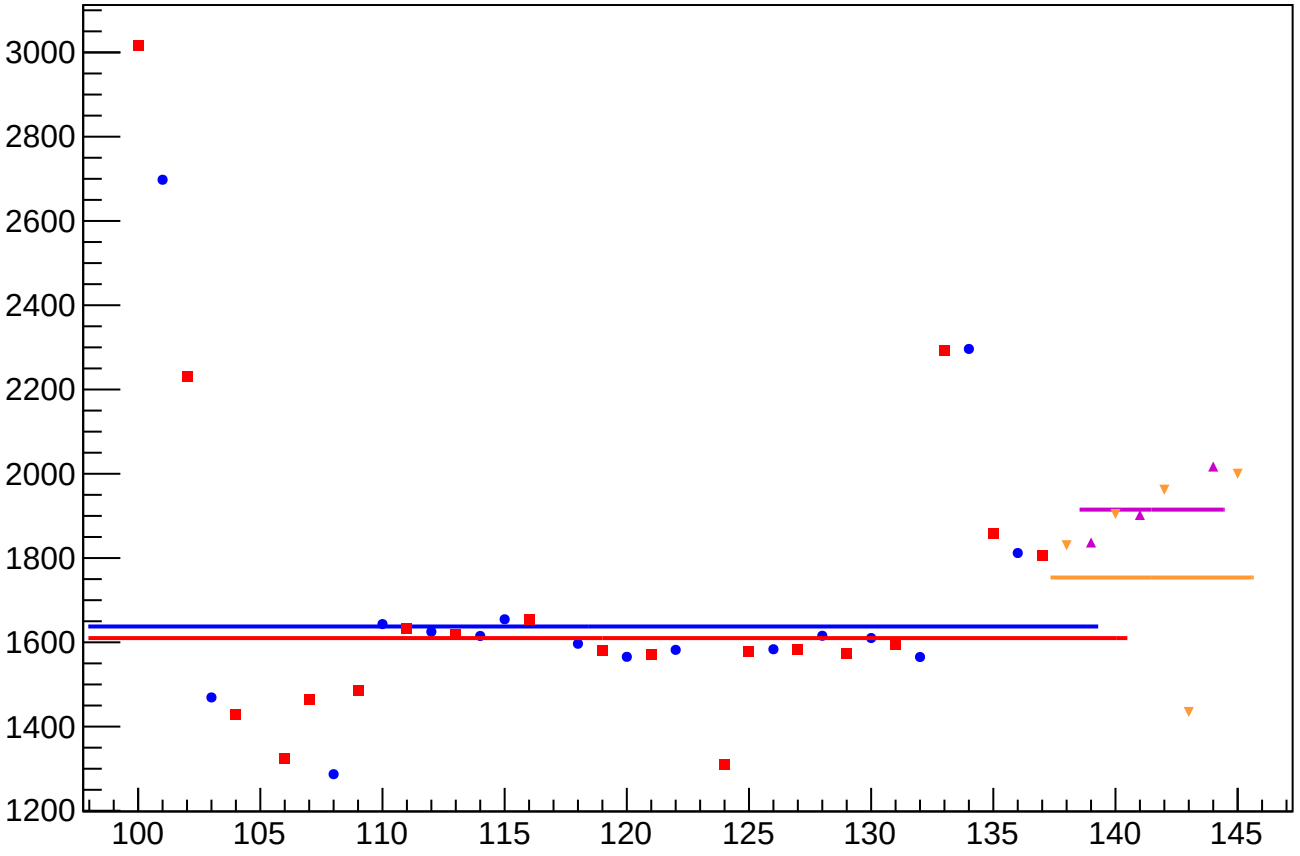
Left In: -314.257+/-1181.453 χ^2/NDF:4.6/2

+ sign 484.243+/-512.737 χ^2/NDF: 31.9/20

All: 188.655+/-370.887 χ^2/NDF: 57.9/42

- sign -135.740+/-537.140 χ^2/NDF: 25.3/21

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

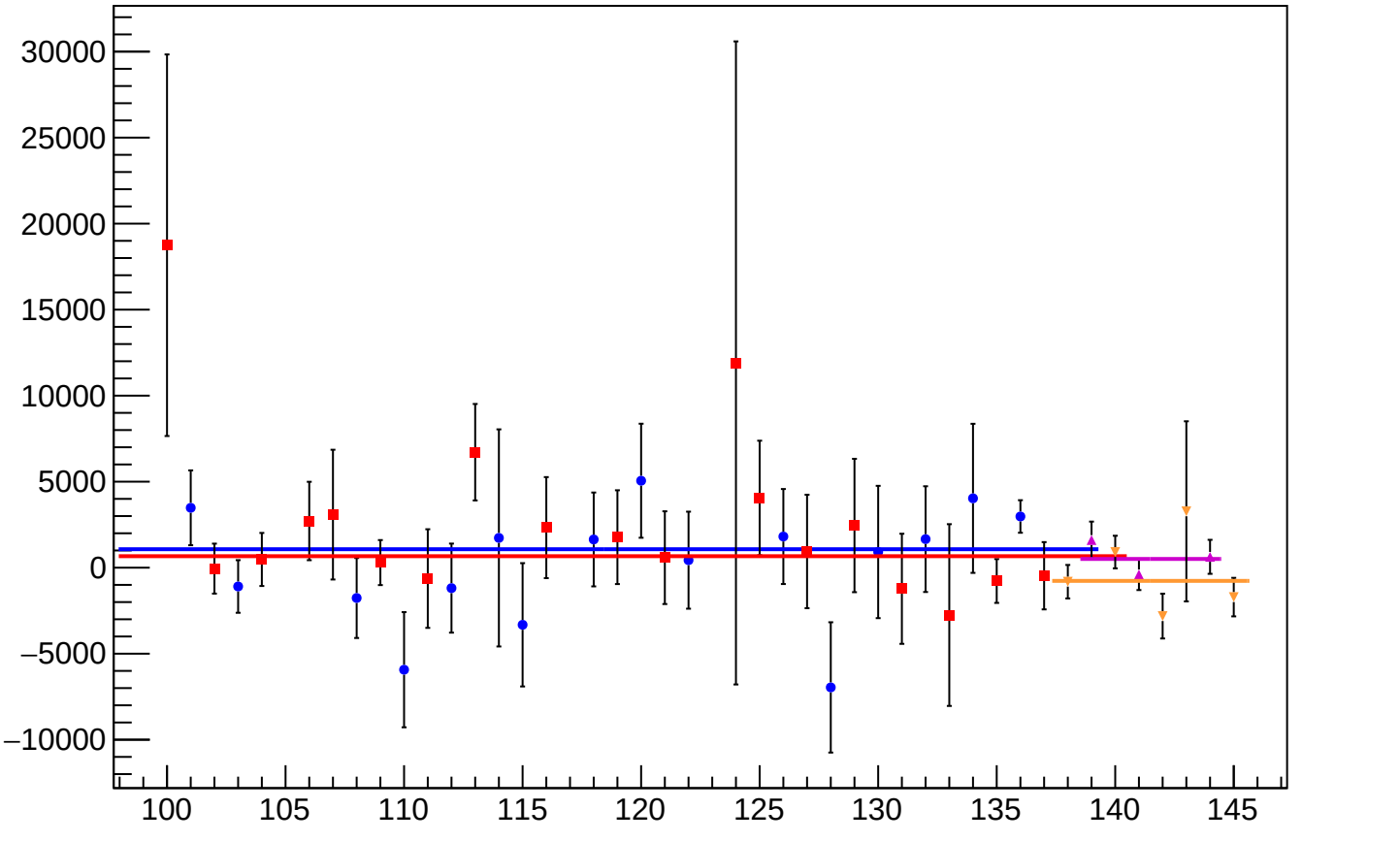
Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1914.919+/-0.835 χ^2/NDF:7752.7/2

+ sign 1673.593+/-0.363 χ^2/NDF: 511991.1/20

All: 1673.339+/-0.262 χ^2/NDF: 906210.6/42

- sign 1673.061+/-0.380 χ^2/NDF: 394218.5/21



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

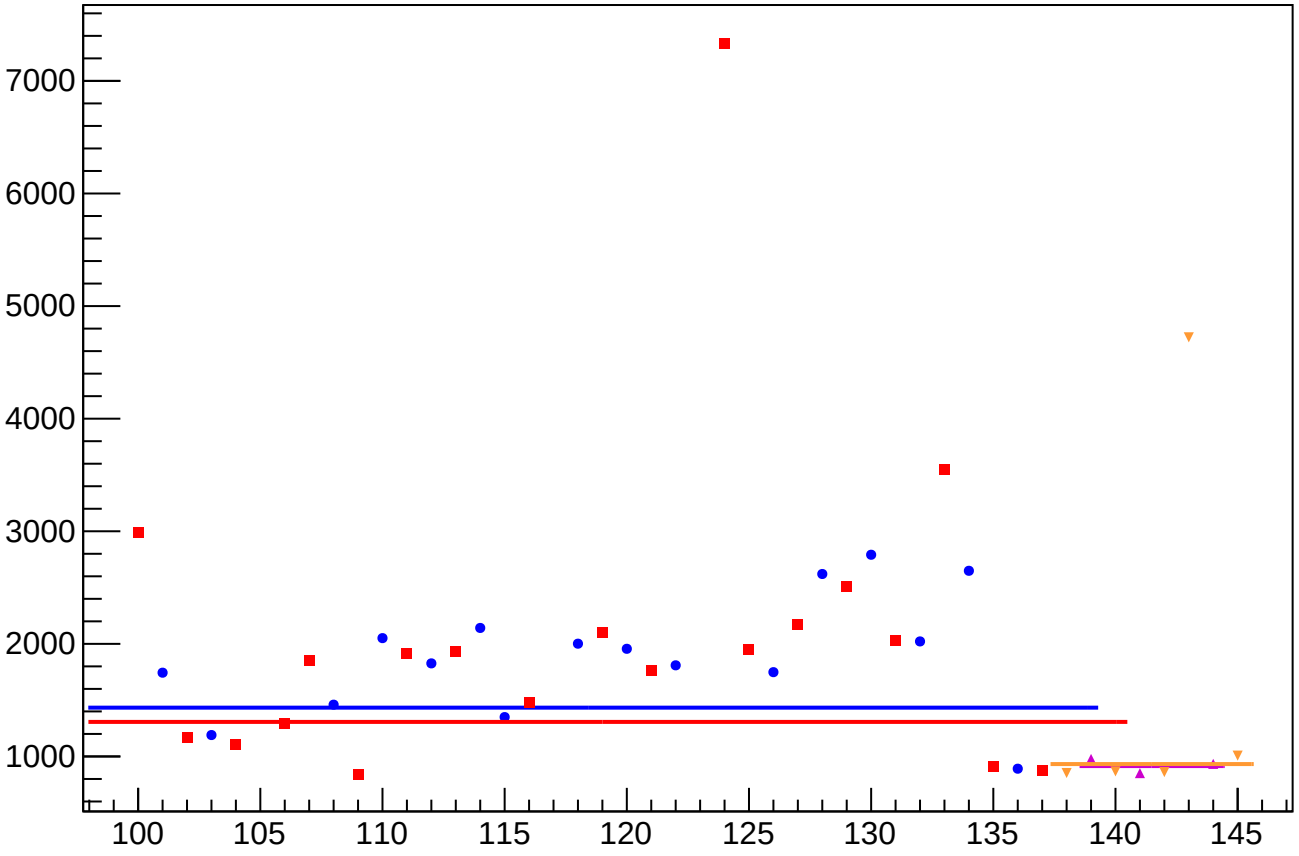
Left In: 507.325+/-567.232 χ^2/NDF:2.1/2

+ sign 79.474+/-387.724 χ^2/NDF: 34.5/20

All: 338.746+/-273.085 χ^2/NDF: 51.1/42

- sign 593.983+/-384.695 χ^2/NDF: 15.7/21

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

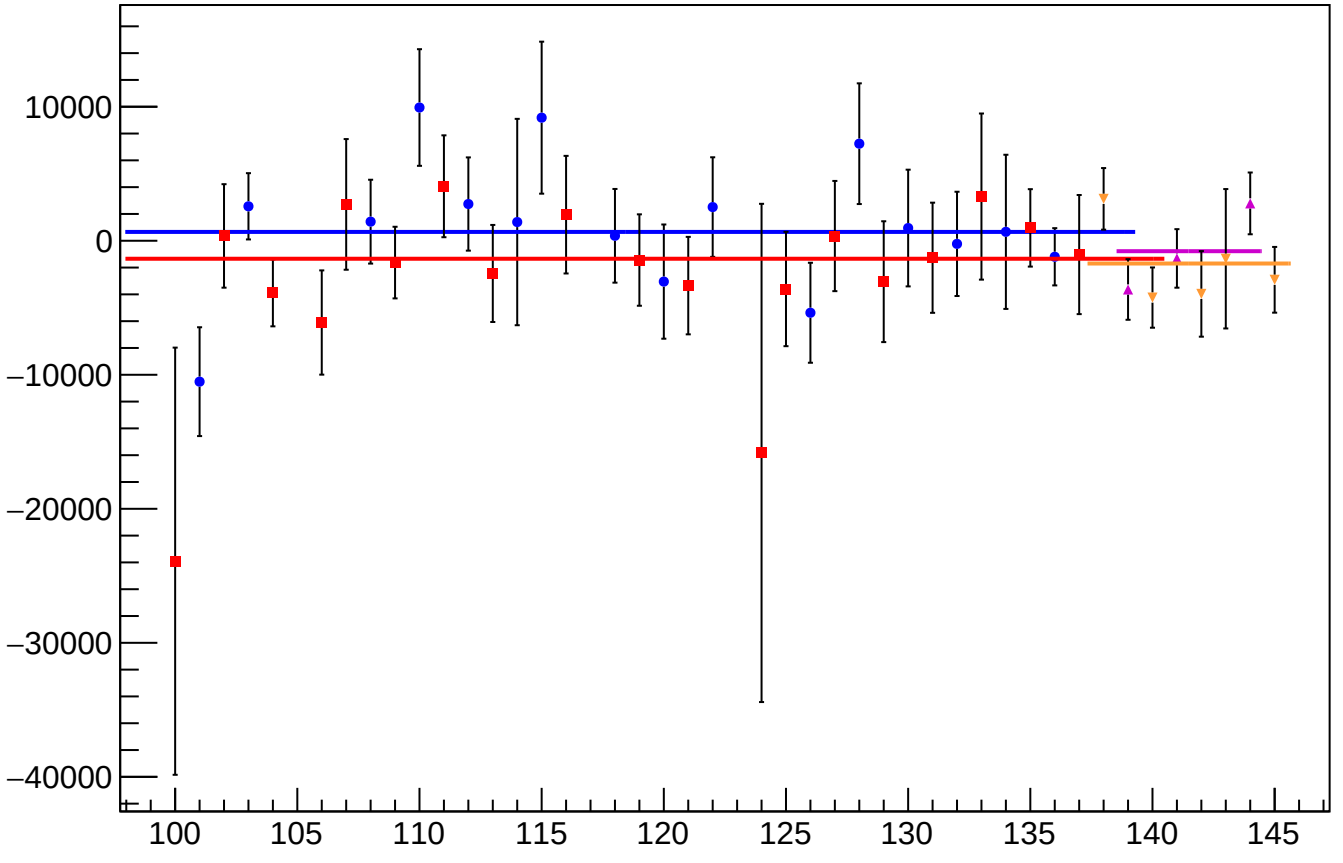
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 914.567+/-0.401 χ^2/NDF:17264.0/2

+ sign 1162.935+/-0.274 χ^2/NDF: 3679244.4/20

All: 1144.542+/-0.193 χ^2/NDF: 6405935.4/42

- sign 1126.435+/-0.272 χ^2/NDF: 2717759.3/21



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

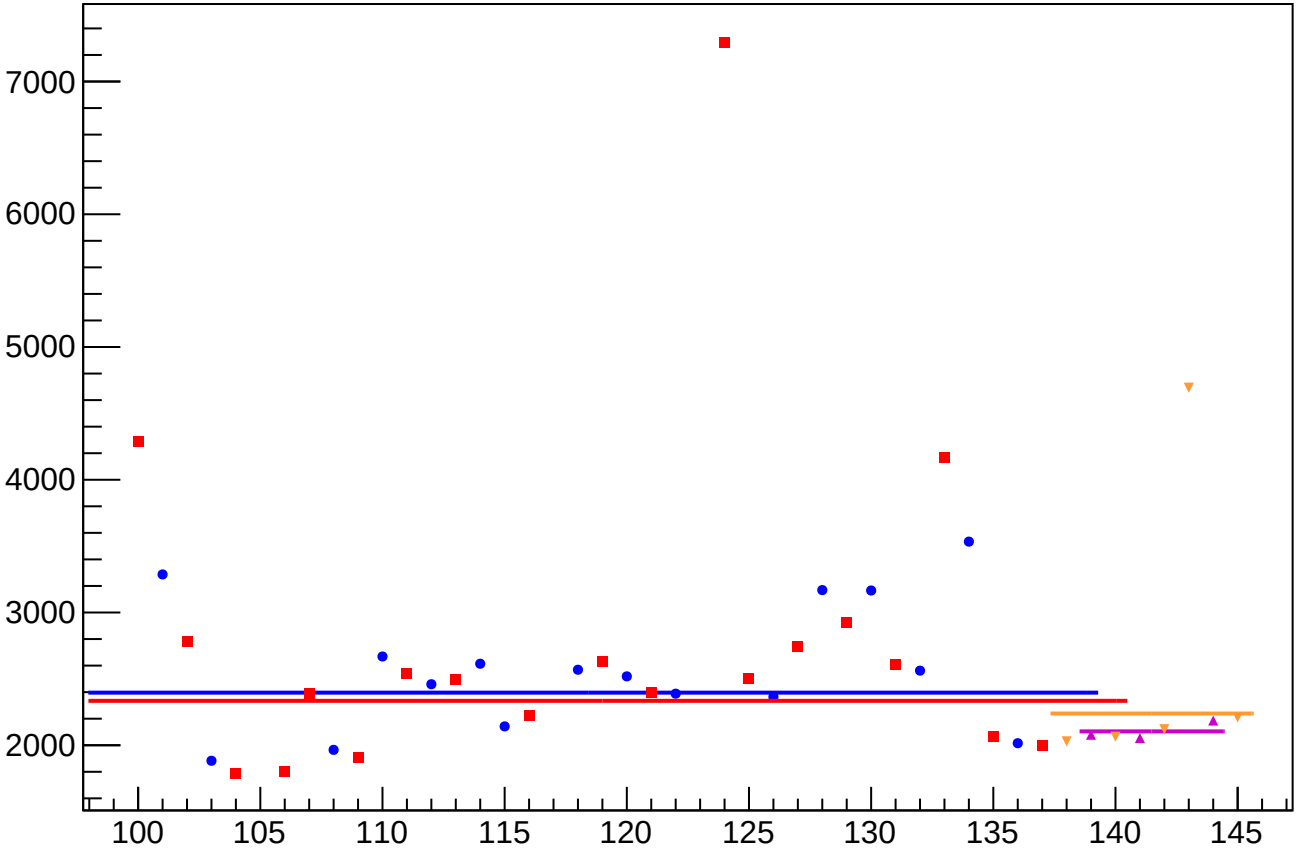
Left In: -778.663+/-1298.082 χ^2/NDF:4.1/2

+ sign -196.160+/-726.004 χ^2/NDF: 30.9/20

All: -673.406+/-516.292 χ^2/NDF: 46.7/42

- sign -1161.704+/-734.361 χ^2/NDF: 15.0/21

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

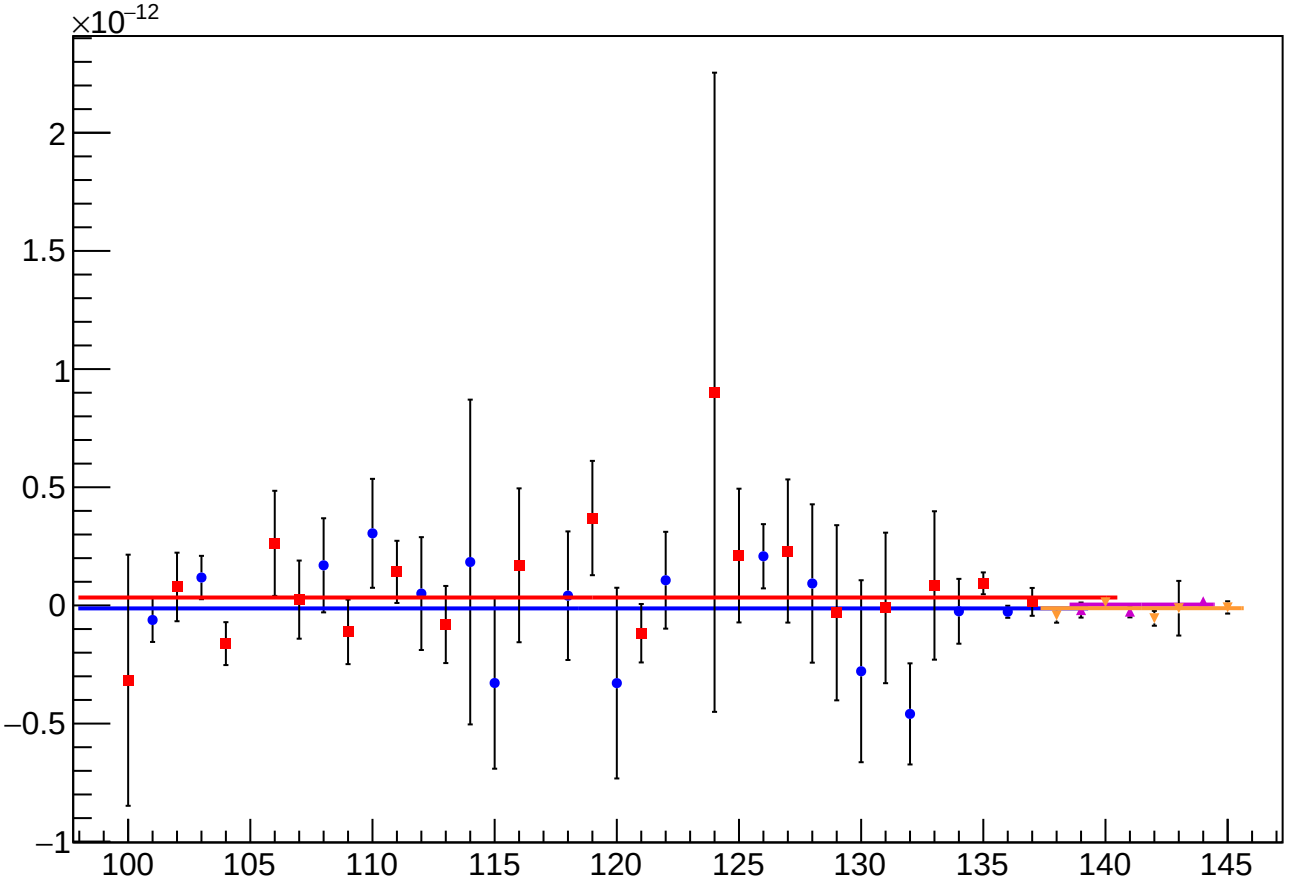
Left In: 2104.475+/-0.918 χ^2/NDF:3814.6/2

+ sign 2339.193+/-0.513 χ^2/NDF: 1006654.9/20

All: 2300.516+/-0.365 χ^2/NDF: 1746258.7/42

- sign 2260.944+/-0.519 χ^2/NDF: 728120.3/21

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

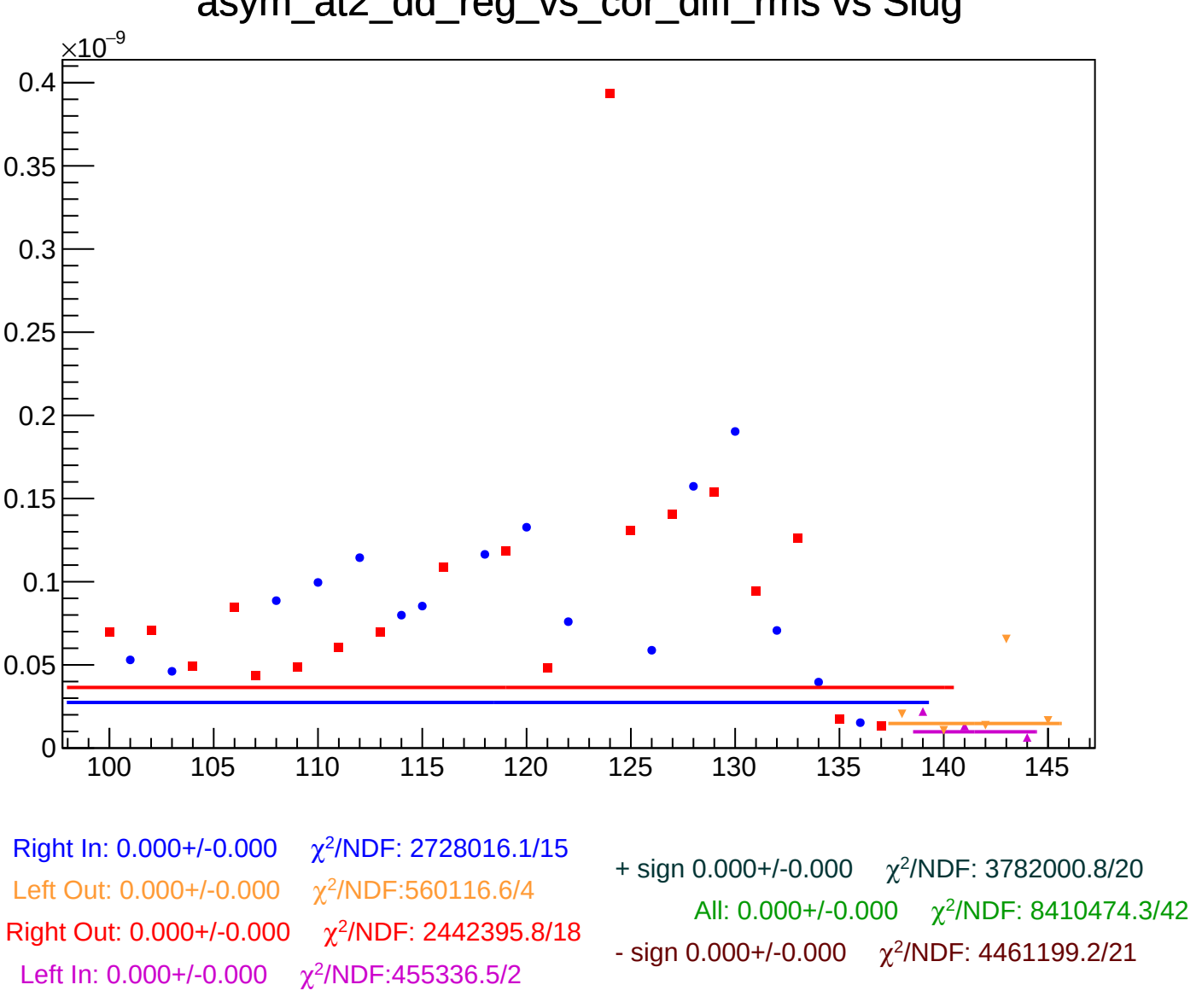
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/2

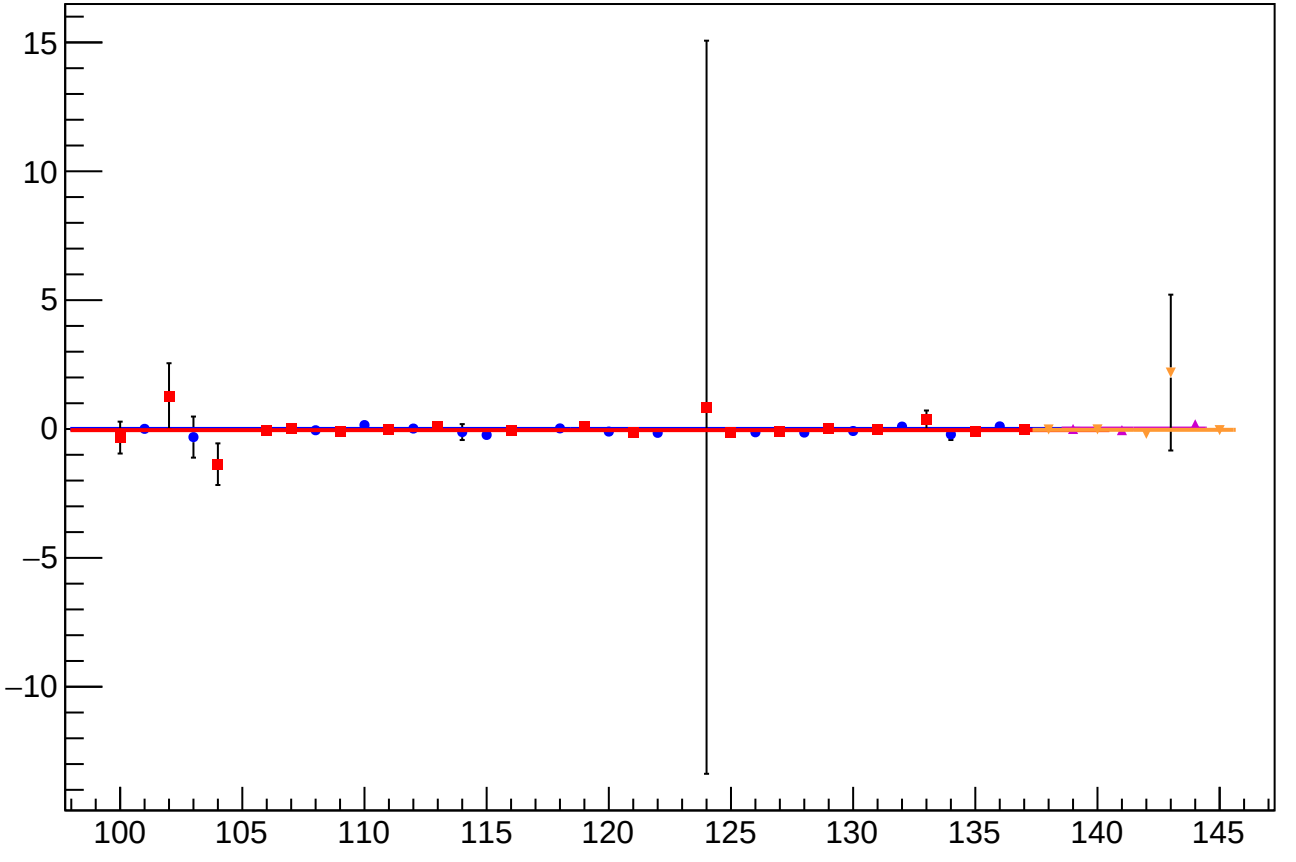
+ sign -0.000+/-0.000 χ^2/NDF: 19.4/20

All: -0.000+/-0.000 χ^2/NDF: 40.3/42

- sign 0.000+/-0.000 χ^2/NDF: 19.2/21


asym_at2_dd_reg_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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2728016.1/15
Left Out: 0.000+/-0.000 χ²/NDF:560116.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 2442395.8/18
Left In: 0.000+/-0.000 χ²/NDF:455336.5/2
+ sign 0.000+/-0.000 χ²/NDF: 3782000.8/20
All: 0.000+/-0.000 χ²/NDF: 8410474.3/42
- sign 0.000+/-0.000 χ²/NDF: 4461199.2/21

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

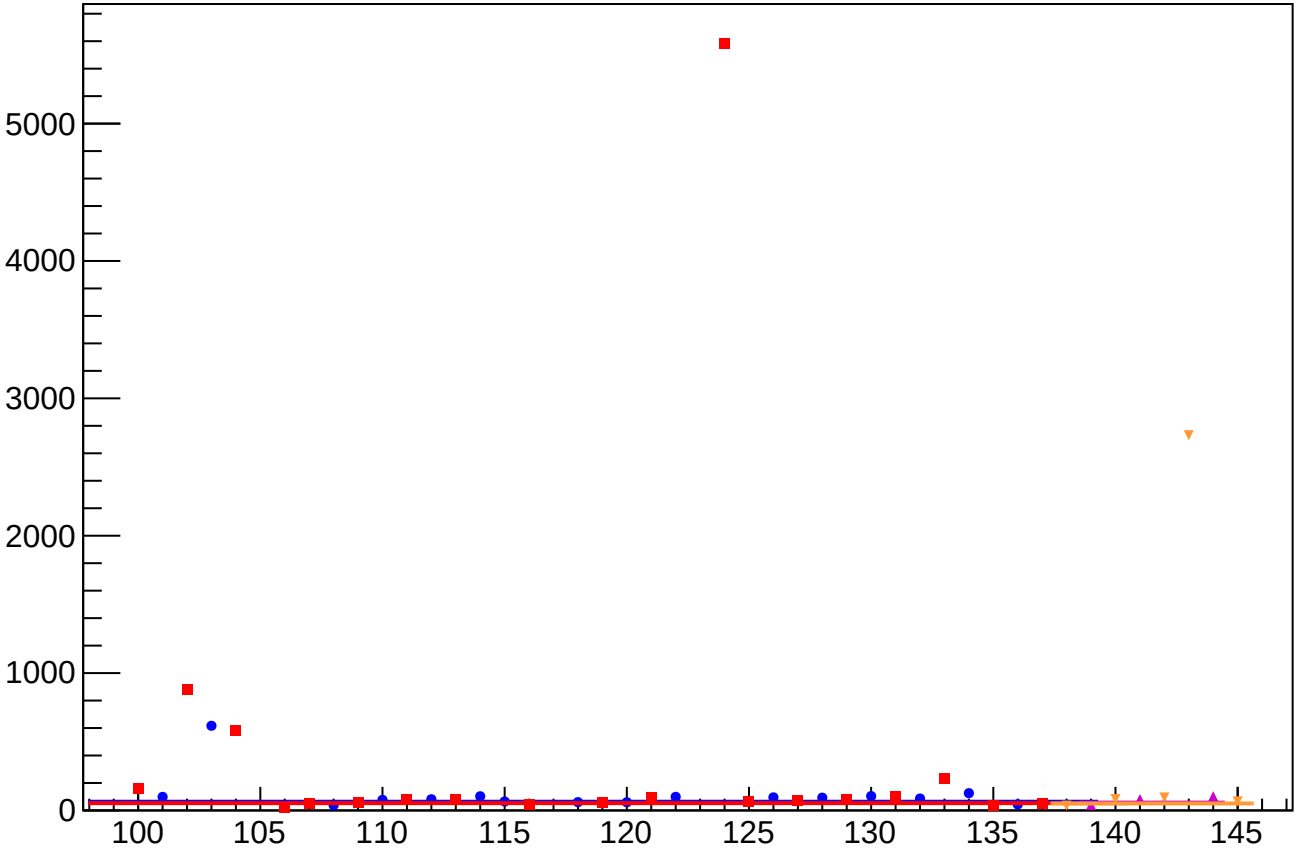
Left In: 0.017+/-0.041 χ^2/NDF:2.7/2

+ sign -0.010+/-0.021 χ^2/NDF: 15.7/20

All: -0.019+/-0.015 χ^2/NDF: 33.1/42

- sign -0.027+/-0.021 χ^2/NDF: 17.0/21

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

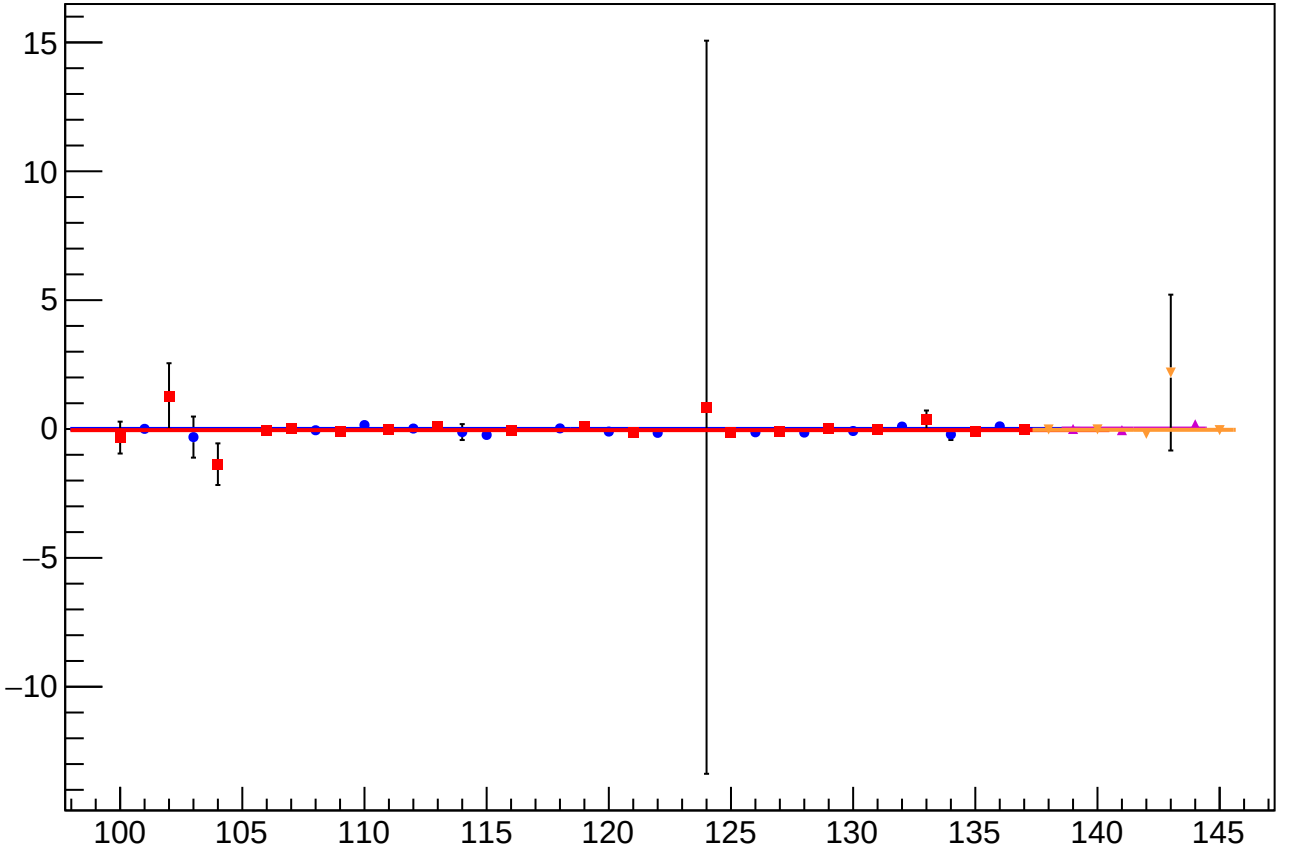
Left In: 57.097+/-0.029 χ^2/NDF:723109.4/2

+ sign 58.697+/-0.015 χ^2/NDF: 4919697.2/20

All: 56.454+/-0.011 χ^2/NDF: 9645149.0/42

- sign 54.266+/-0.015 χ^2/NDF: 4682252.8/21

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

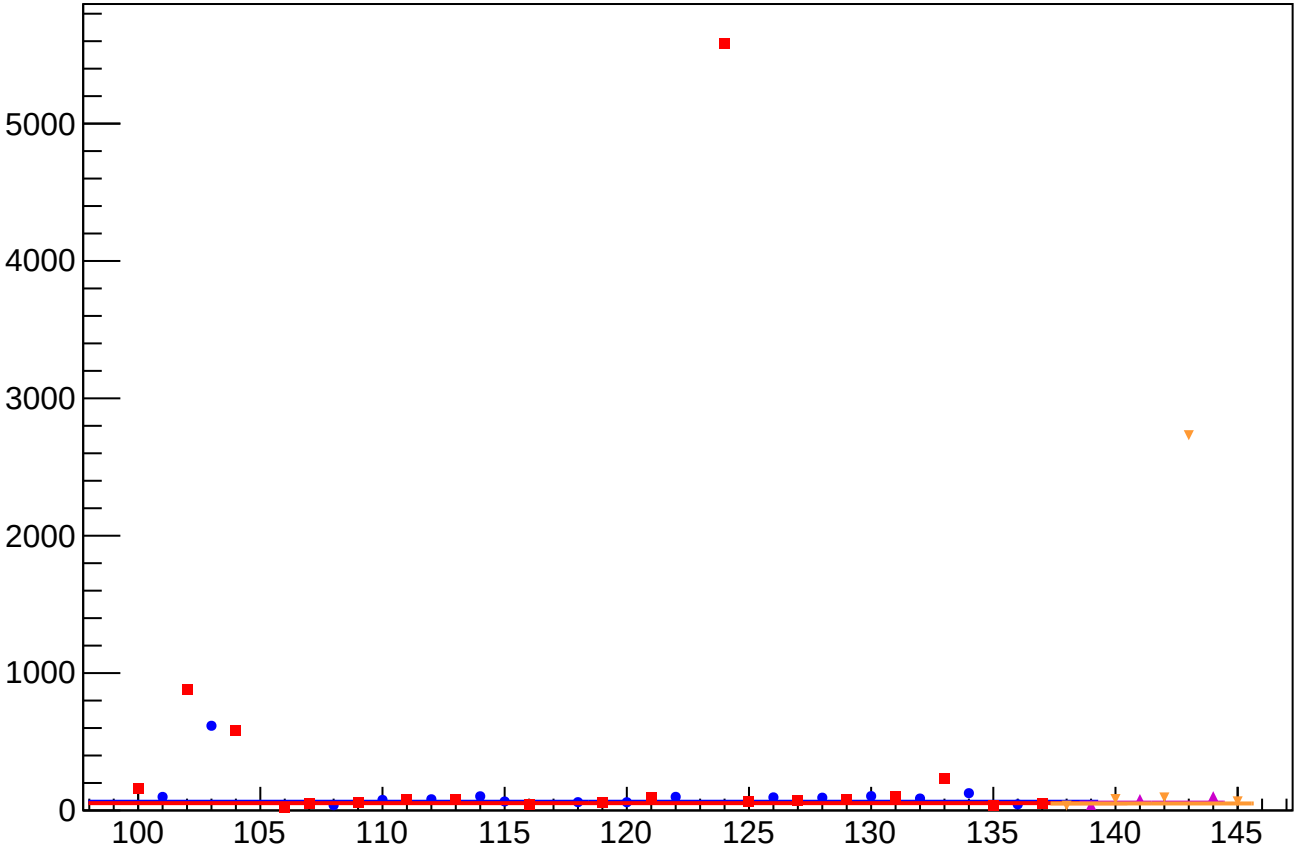
Left In: 0.017+/-0.041 χ^2/NDF:2.7/2

+ sign -0.010+/-0.021 χ^2/NDF: 15.7/20

All: -0.019+/-0.015 χ^2/NDF: 33.1/42

- sign -0.027+/-0.021 χ^2/NDF: 17.0/21

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

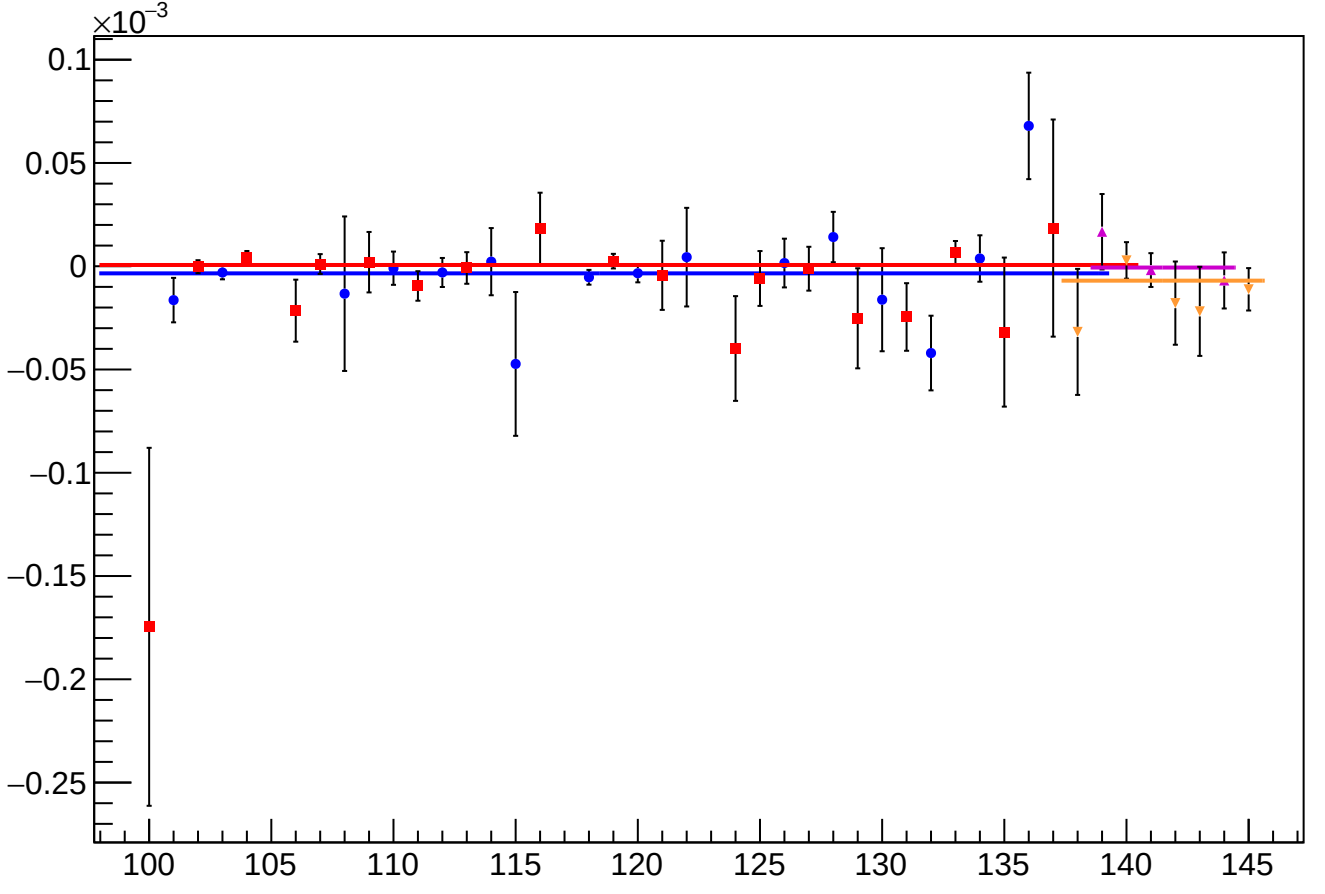
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.097+/-0.029 χ^2/NDF:723109.4/2

+ sign 58.697+/-0.015 χ^2/NDF: 4919697.2/20

All: 56.454+/-0.011 χ^2/NDF: 9645149.0/42

- sign 54.266+/-0.015 χ^2/NDF: 4682252.8/21



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

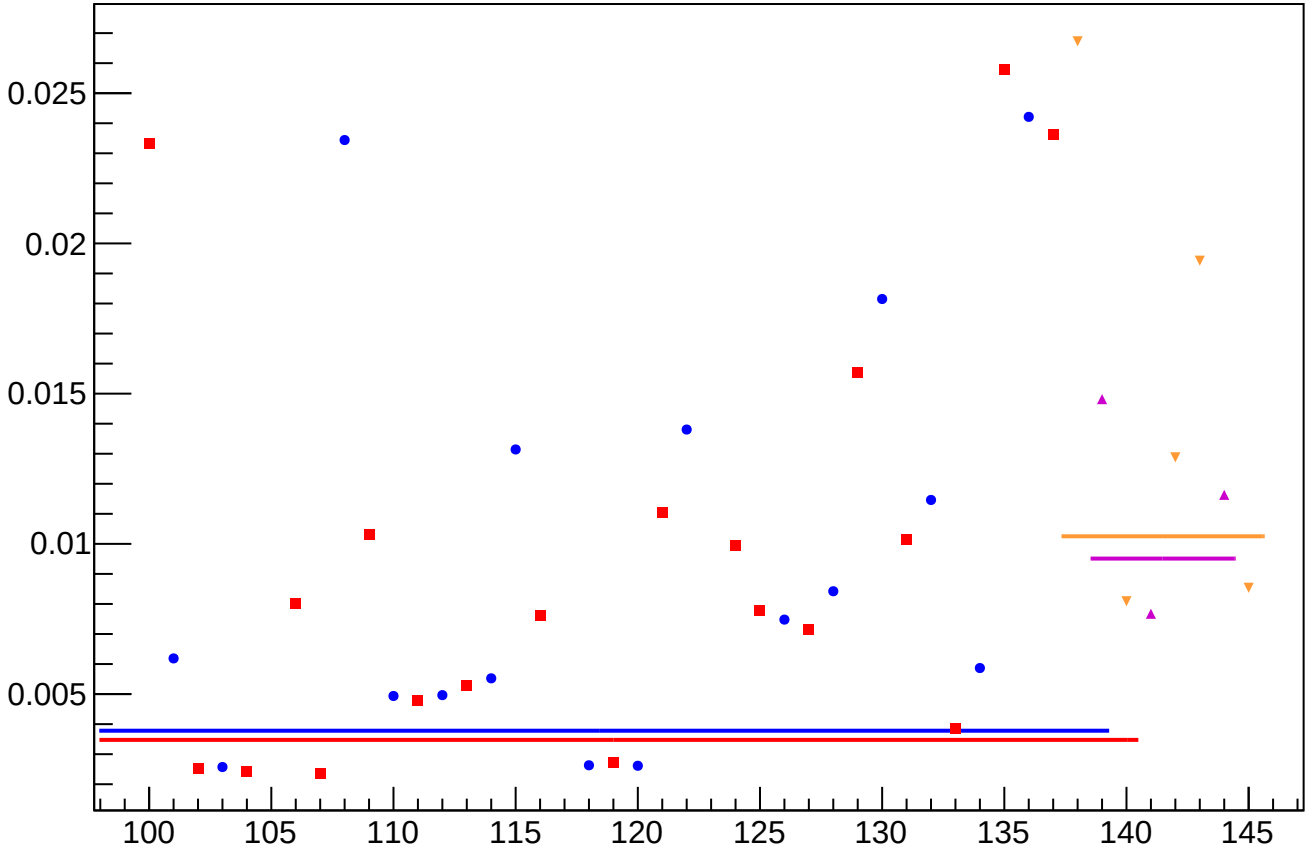
Left In: -0.000+/-0.000 χ^2/NDF:1.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 22.0/20

All: -0.000+/-0.000 χ^2/NDF: 45.8/42

- sign 0.000+/-0.000 χ^2/NDF: 20.3/21

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

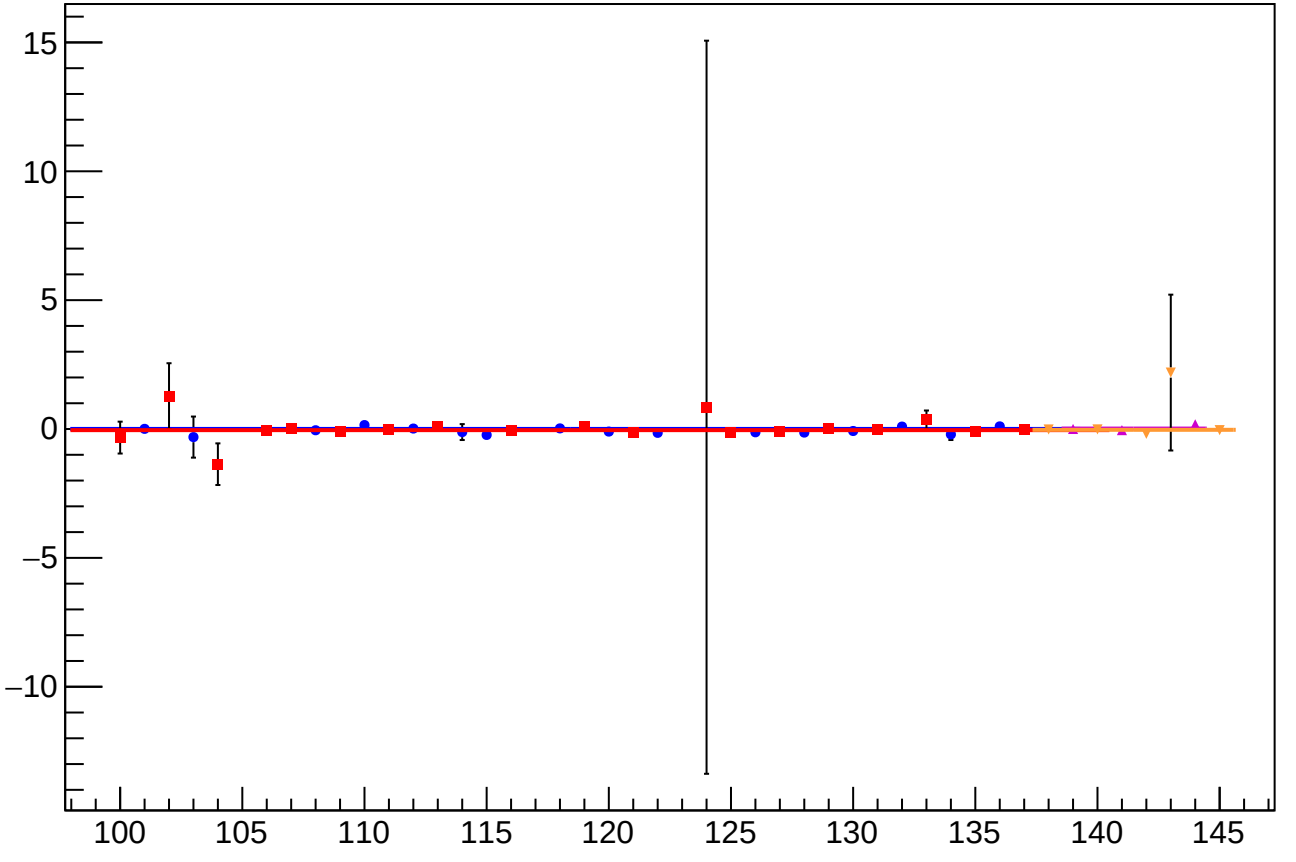
Left In: 0.010+/-0.000 χ^2/NDF:318452.7/2

+ sign 0.004+/-0.000 χ^2/NDF: 8015214.4/20

All: 0.004+/-0.000 χ^2/NDF: 14549221.6/42

- sign 0.004+/-0.000 χ^2/NDF: 6424842.8/21

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

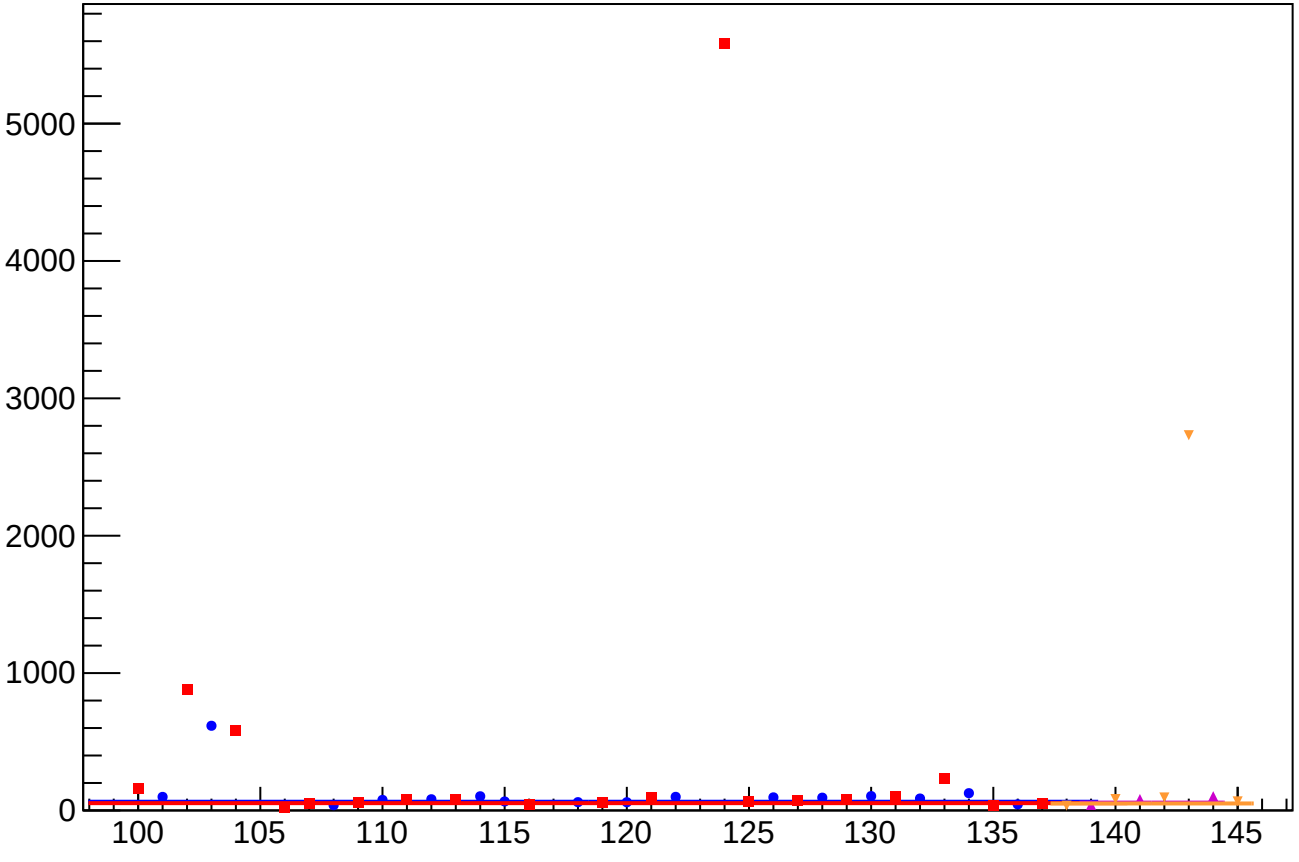
Left In: 0.017+/-0.041 χ^2/NDF:2.7/2

+ sign -0.010+/-0.021 χ^2/NDF: 15.7/20

All: -0.019+/-0.015 χ^2/NDF: 33.1/42

- sign -0.027+/-0.021 χ^2/NDF: 17.0/21

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

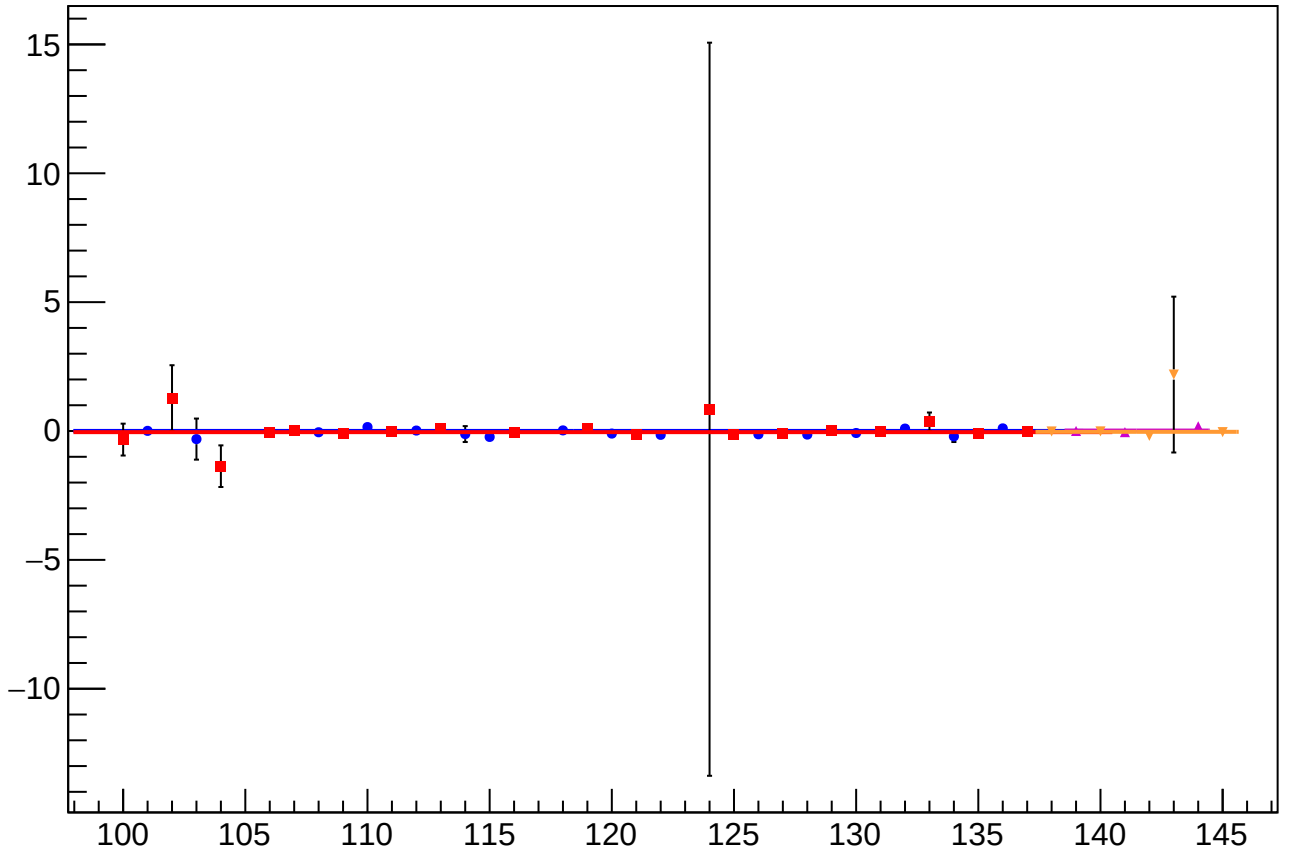
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.109+/-0.029 χ^2/NDF:722788.3/2

+ sign 58.701+/-0.015 χ^2/NDF: 4918972.9/20

All: 56.456+/-0.011 χ^2/NDF: 9644864.3/42

- sign 54.265+/-0.015 χ^2/NDF: 4682599.5/21



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.031+/-0.035 χ^2/NDF:1.8/4

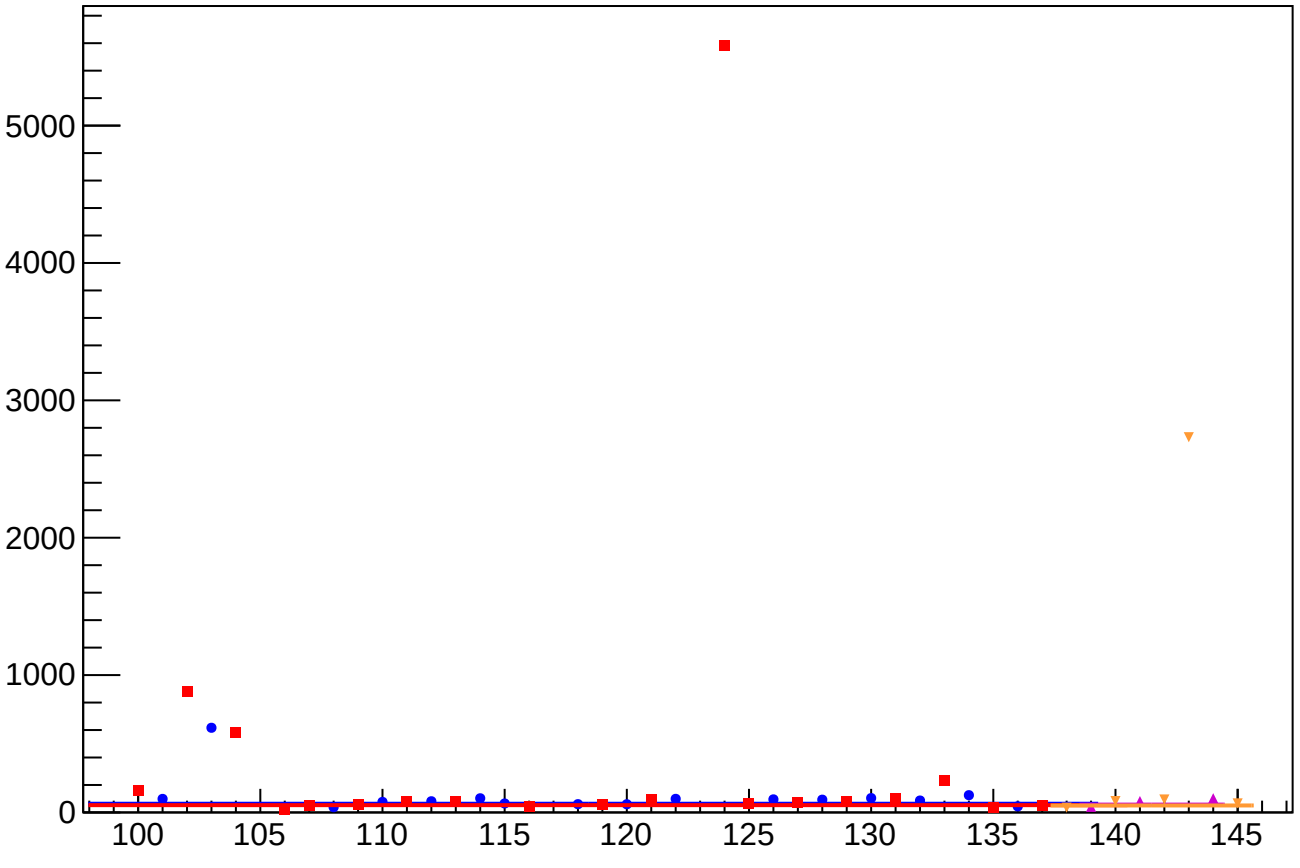
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.017+/-0.041 χ^2/NDF:2.7/2

\+ sign -0.010+/-0.021 χ^2/NDF: 15.7/20

All: -0.019+/-0.015 χ^2/NDF: 33.1/42

\- sign -0.027+/-0.021 χ^2/NDF: 17.0/21



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

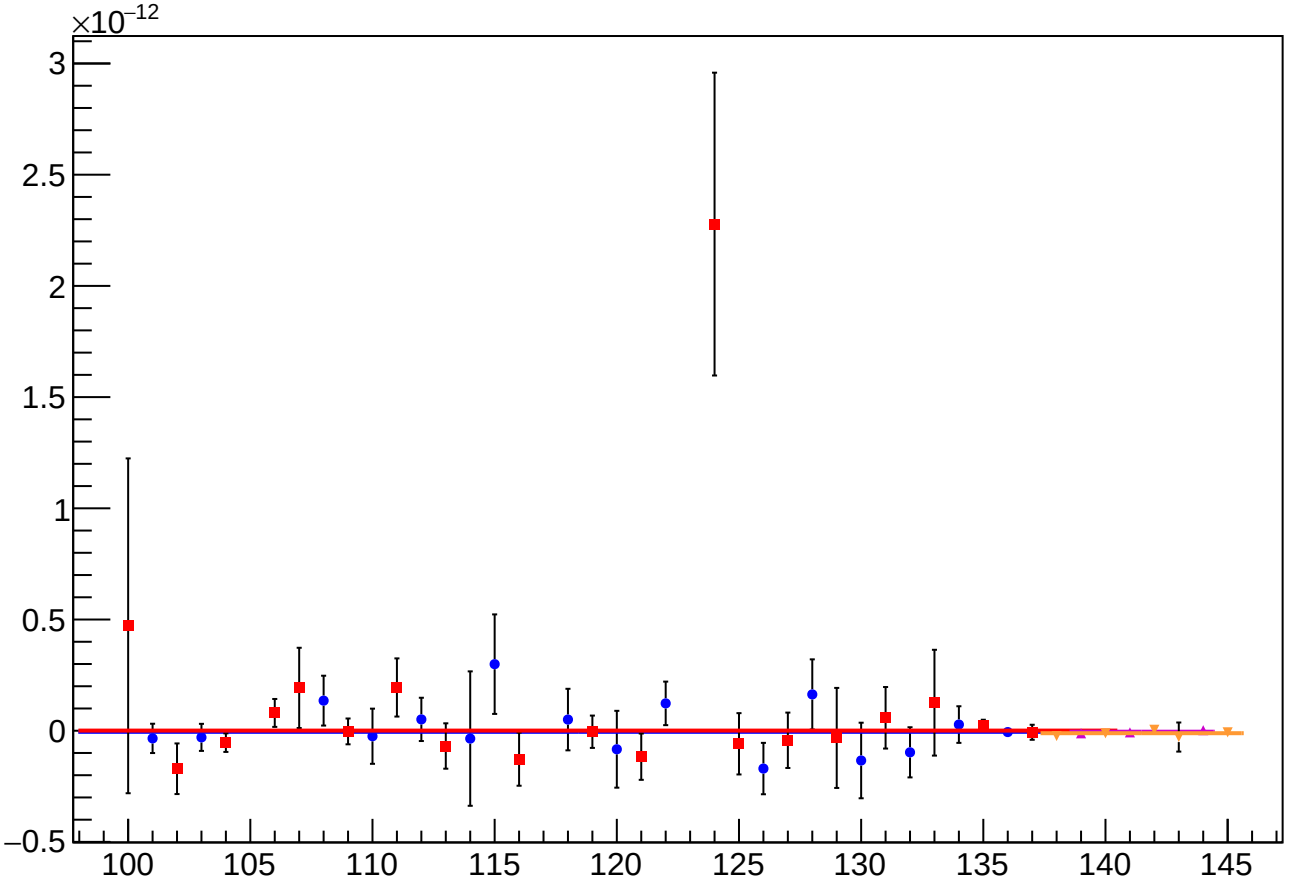
Left In: 57.109+/-0.029 χ^2/NDF:722788.3/2

+ sign 58.701+/-0.015 χ^2/NDF: 4918972.9/20

All: 56.456+/-0.011 χ^2/NDF: 9644864.3/42

- sign 54.265+/-0.015 χ^2/NDF: 4682599.5/21

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

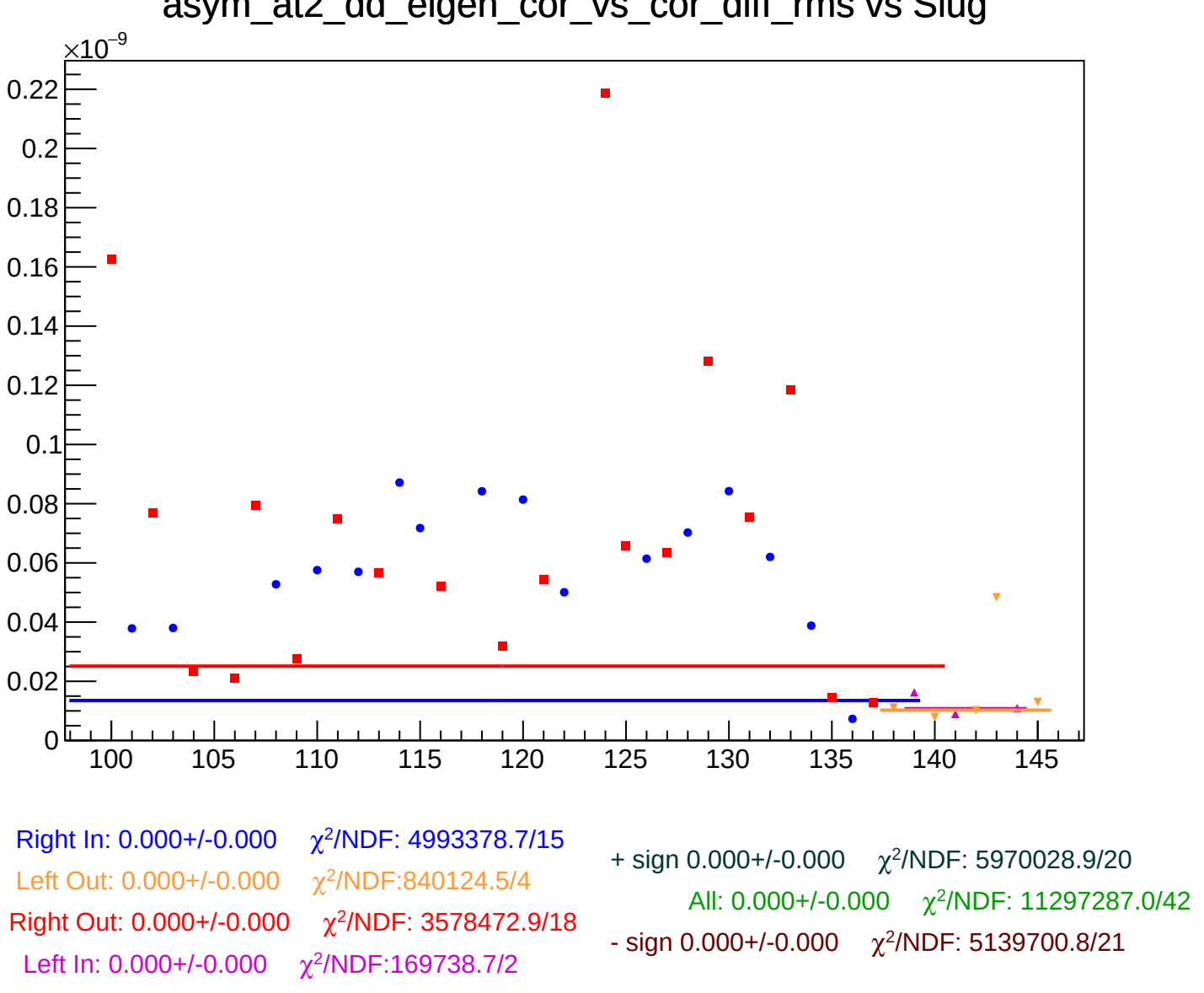
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

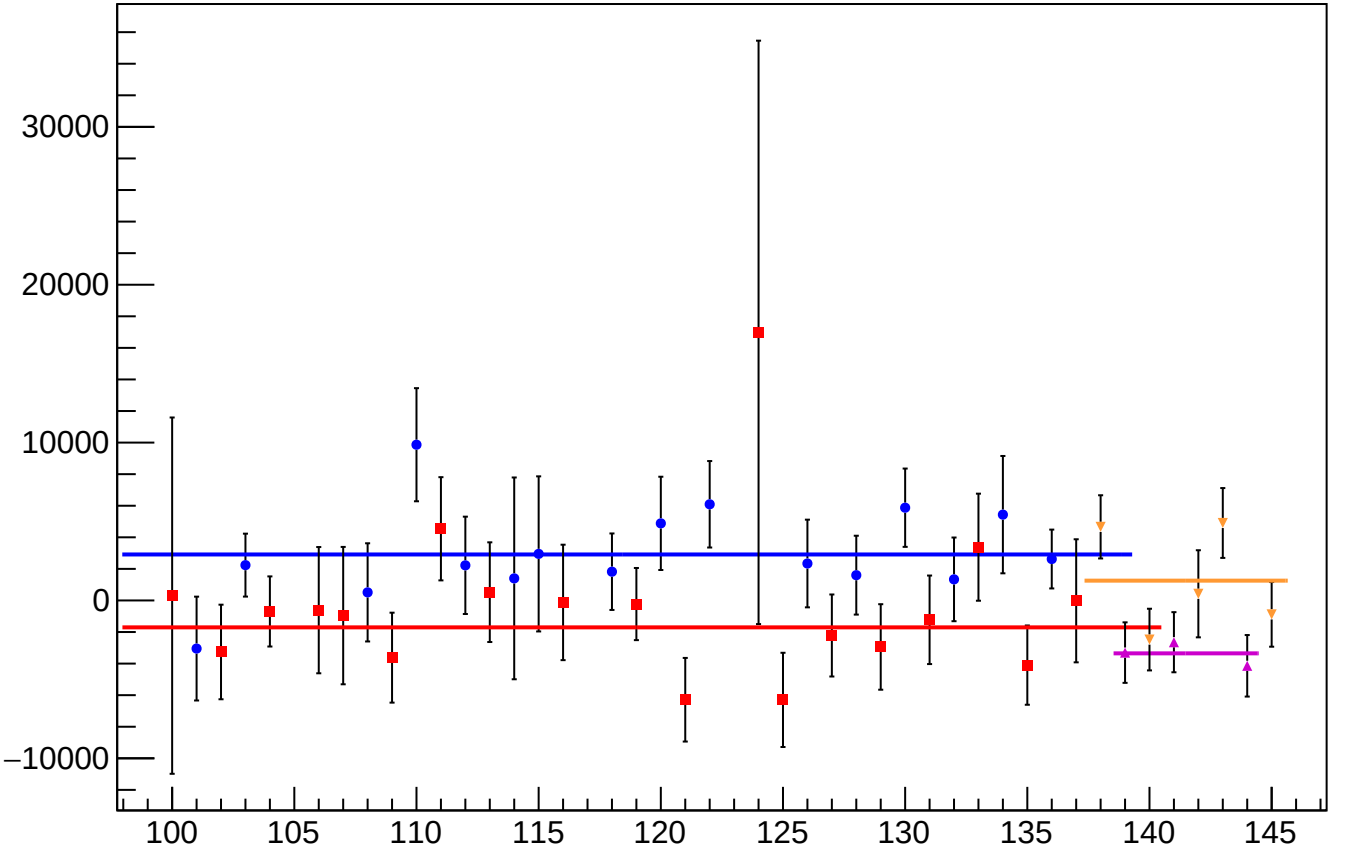
+ sign -0.000+/-0.000 χ^2/NDF: 12.5/20

All: -0.000+/-0.000 χ^2/NDF: 38.5/42

- sign -0.000+/-0.000 χ^2/NDF: 25.6/21


asym_at2_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
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:840124.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:169738.7/2
+ sign 0.000+/-0.000 χ²/NDF: 5970028.9/20
All: 0.000+/-0.000 χ²/NDF: 11297287.0/42
- sign 0.000+/-0.000 χ²/NDF: 5139700.8/21

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

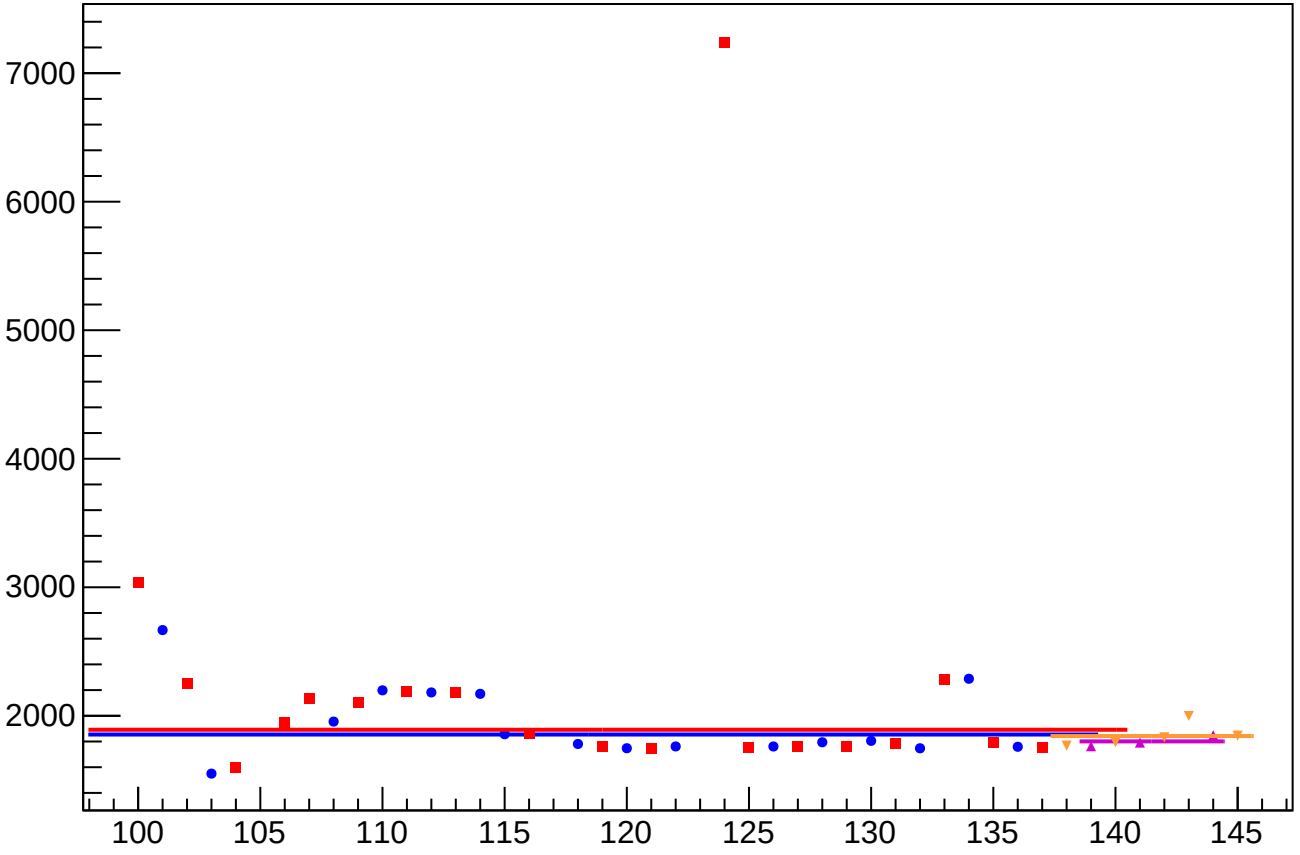
Left In: -3351.402+/-1110.271 χ^2/NDF:0.3/2

+ sign 2342.336+/-562.926 χ^2/NDF: 24.9/20

All: 211.223+/-409.327 χ^2/NDF: 73.0/42

- sign -2179.779+/-596.263 χ^2/NDF: 17.7/21

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

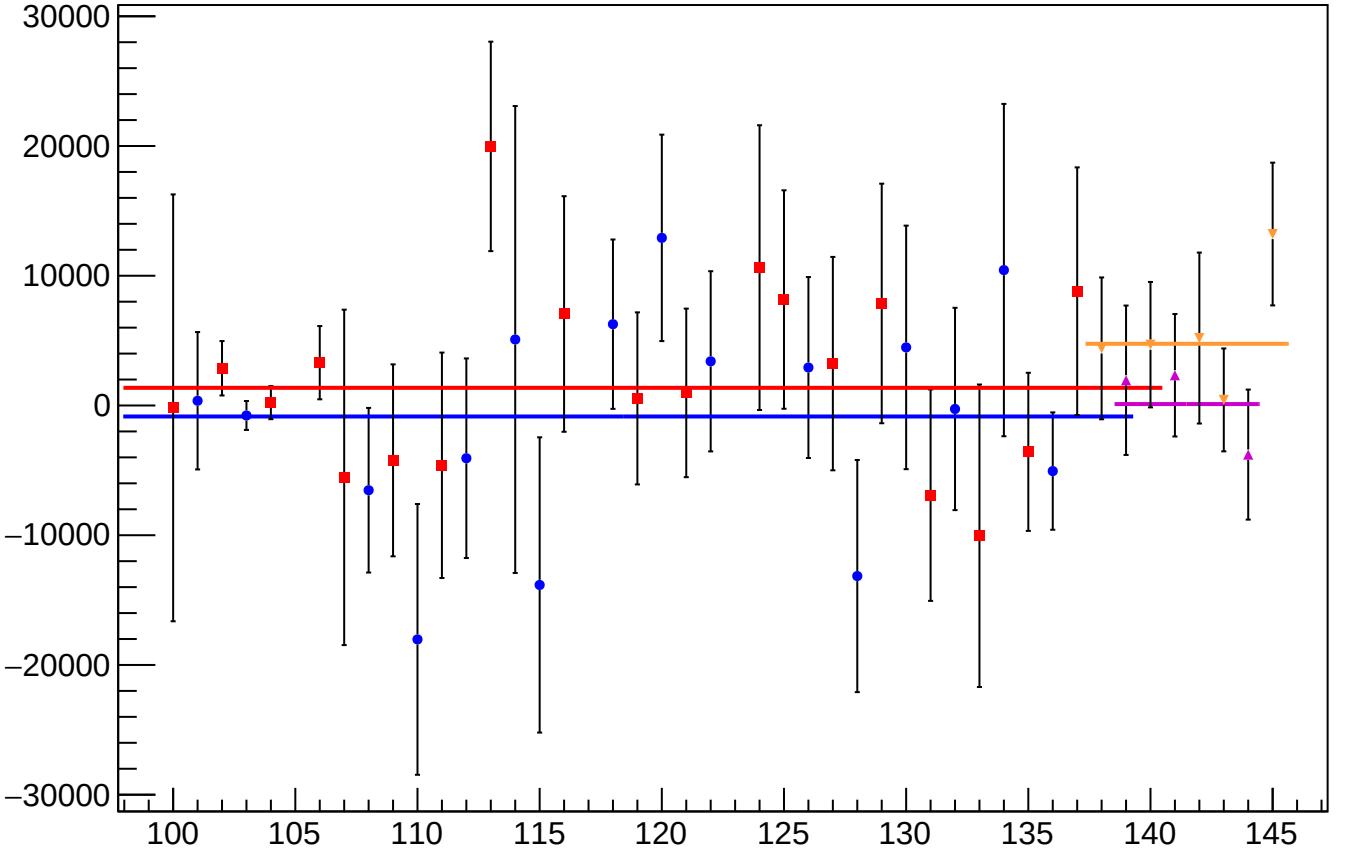
Left In: 1800.864+/-0.785 χ^2/NDF:2051.0/2

\+ sign 1850.243+/-0.398 χ^2/NDF: 277506.9/20

All: 1857.410+/-0.289 χ^2/NDF: 653785.5/42

\- sign 1865.423+/-0.421 χ^2/NDF: 375592.0/21

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

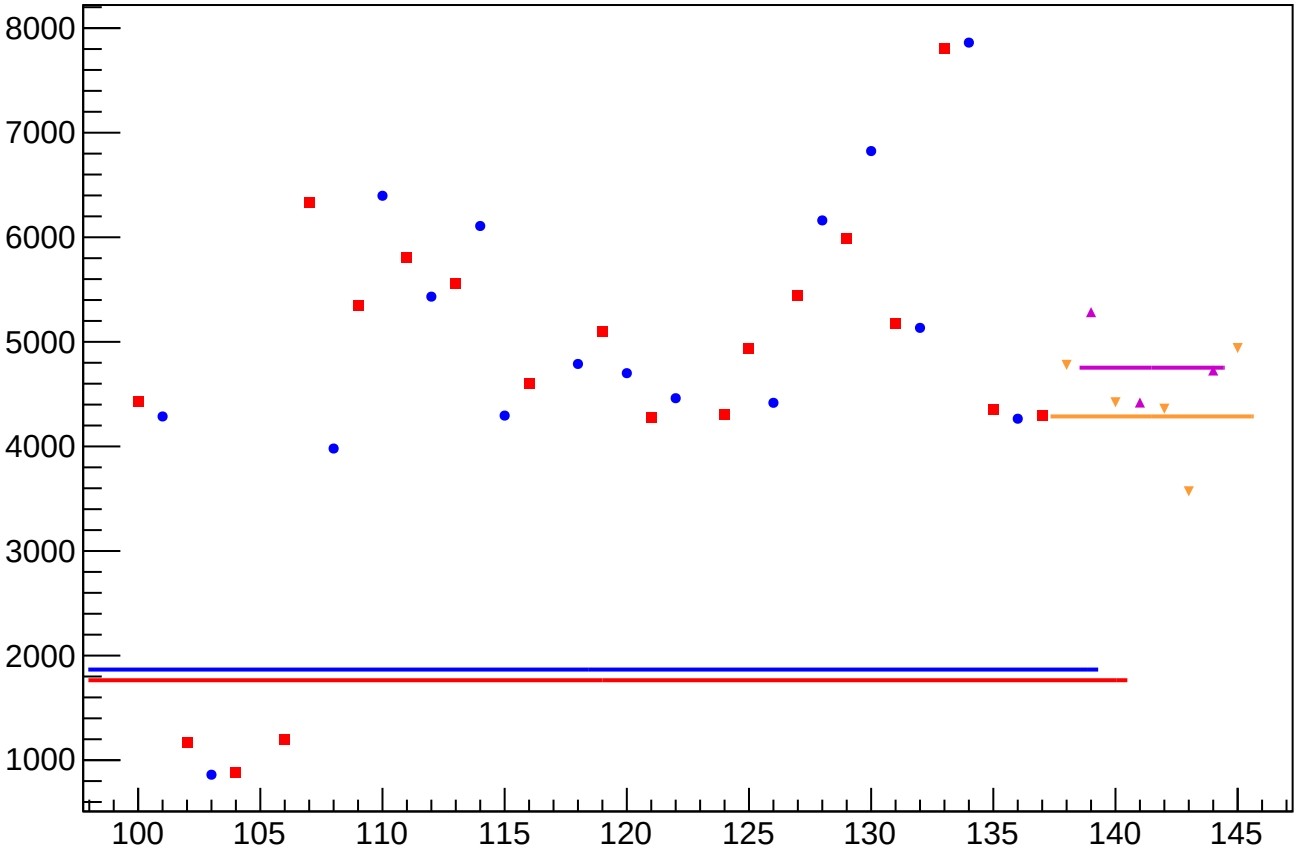
Left In: 109.711+/-2950.100 χ^2/NDF:0.9/2

\+ sign 13.531+/-885.806 χ^2/NDF: 22.6/20

All: 640.282+/-622.408 χ^2/NDF: 38.7/42

\- sign 1251.465+/-874.735 χ^2/NDF: 15.1/21

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

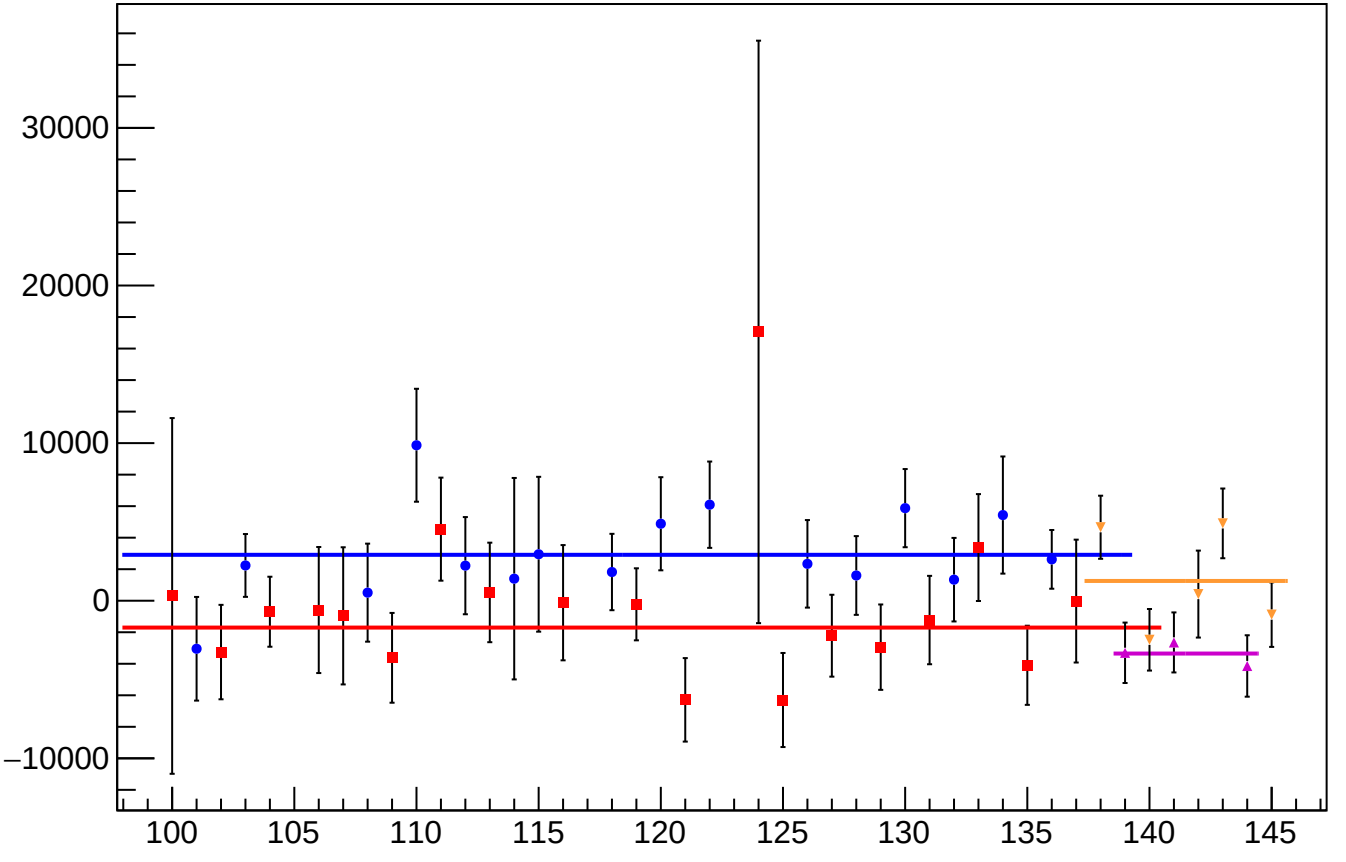
Left In: 4753.019+/-2.086 χ^2/NDF:27050.1/2

+ sign 2238.571+/-0.626 χ^2/NDF: 8904344.4/20

All: 2131.479+/-0.440 χ^2/NDF: 17296199.9/4

- sign 2027.046+/-0.619 χ^2/NDF: 8334116.3/21

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

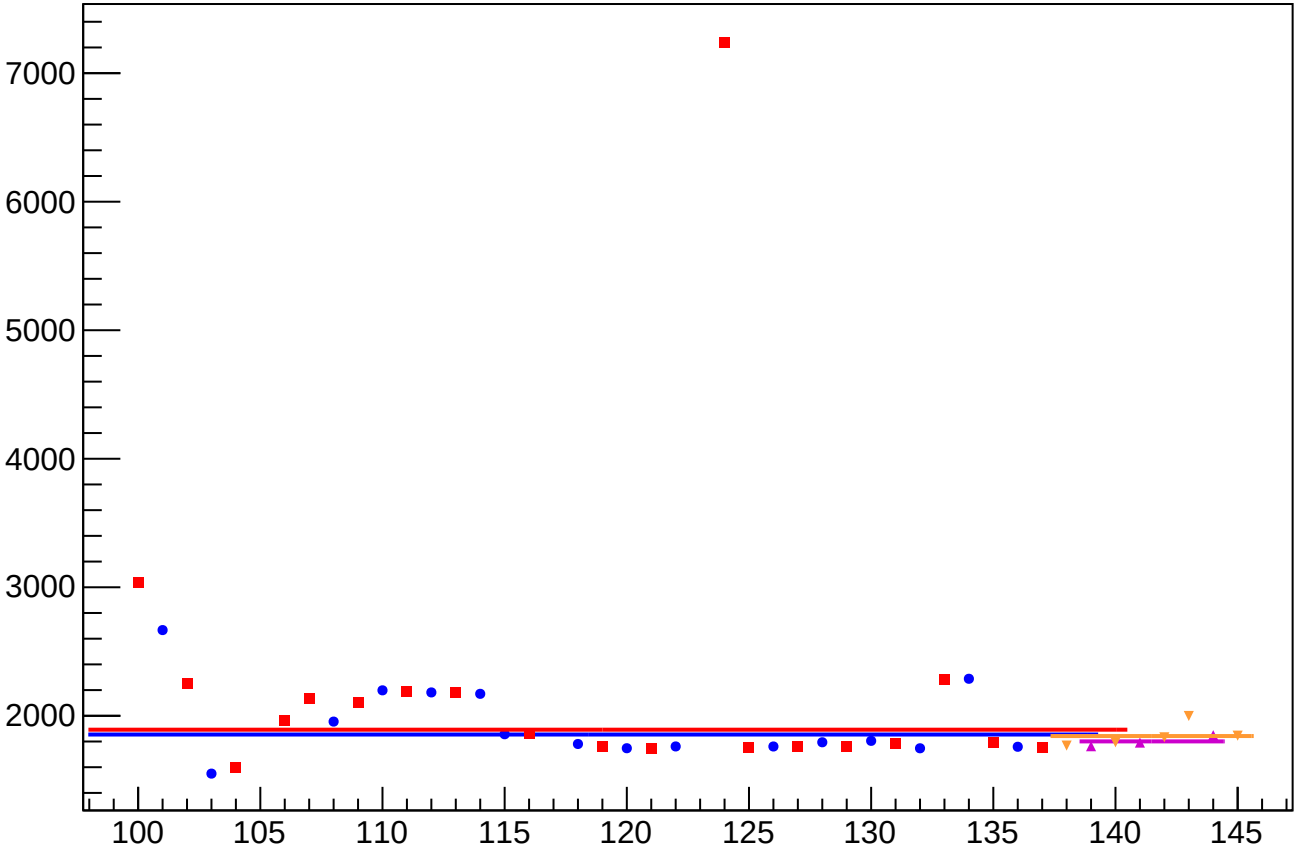
Left In: -3351.674+/-1110.271 χ^2/NDF:0.3/2

+ sign 2342.417+/-562.926 χ^2/NDF: 24.9/20

All: 211.694+/-409.327 χ^2/NDF: 73.0/42

- sign -2178.876+/-596.264 χ^2/NDF: 17.7/21

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

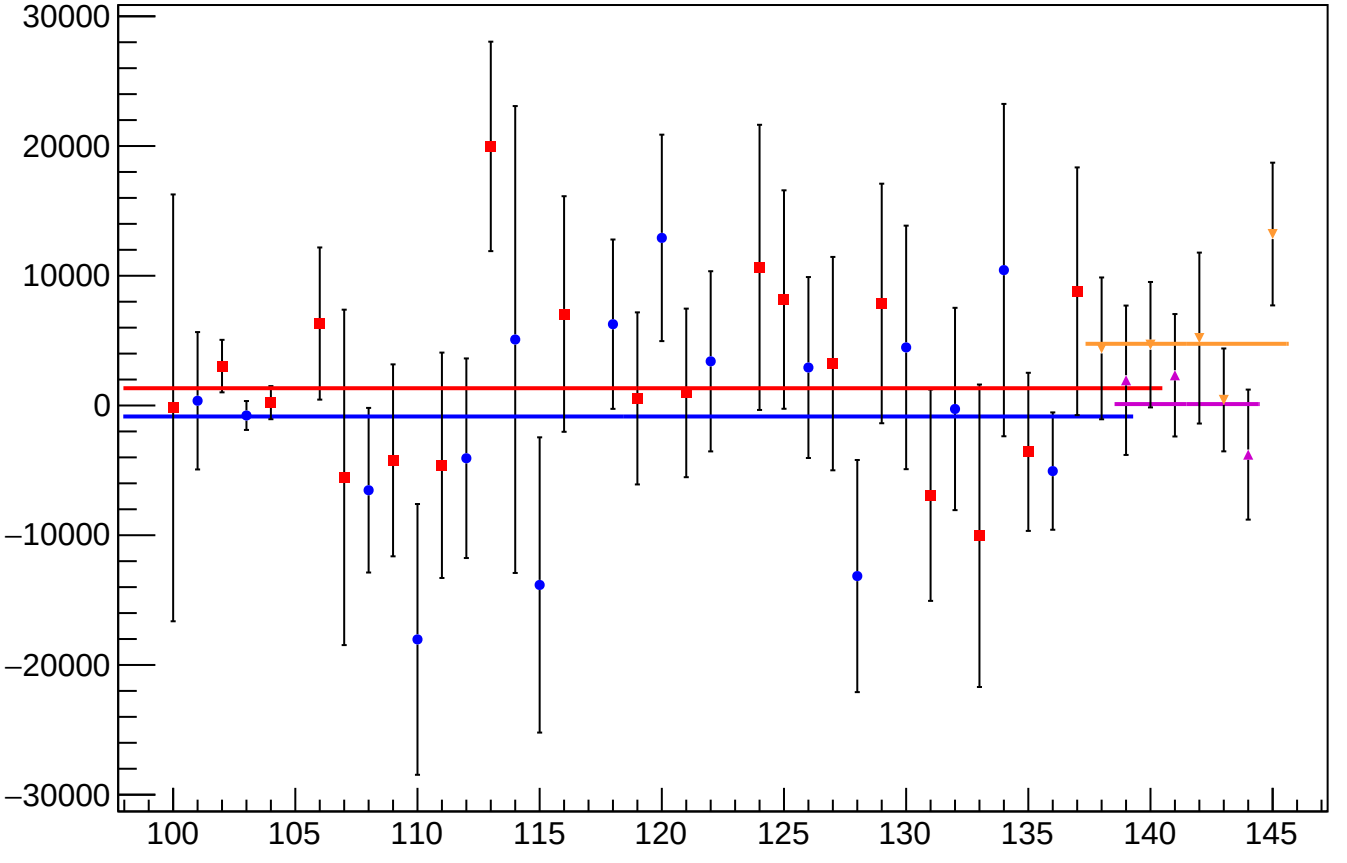
Left In: 1800.864+/-0.785 χ^2/NDF:2051.0/2

\+ sign 1850.244+/-0.398 χ^2/NDF: 277506.8/20

All: 1857.559+/-0.289 χ^2/NDF: 654150.9/42

\- sign 1865.741+/-0.421 χ^2/NDF: 375928.6/21

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

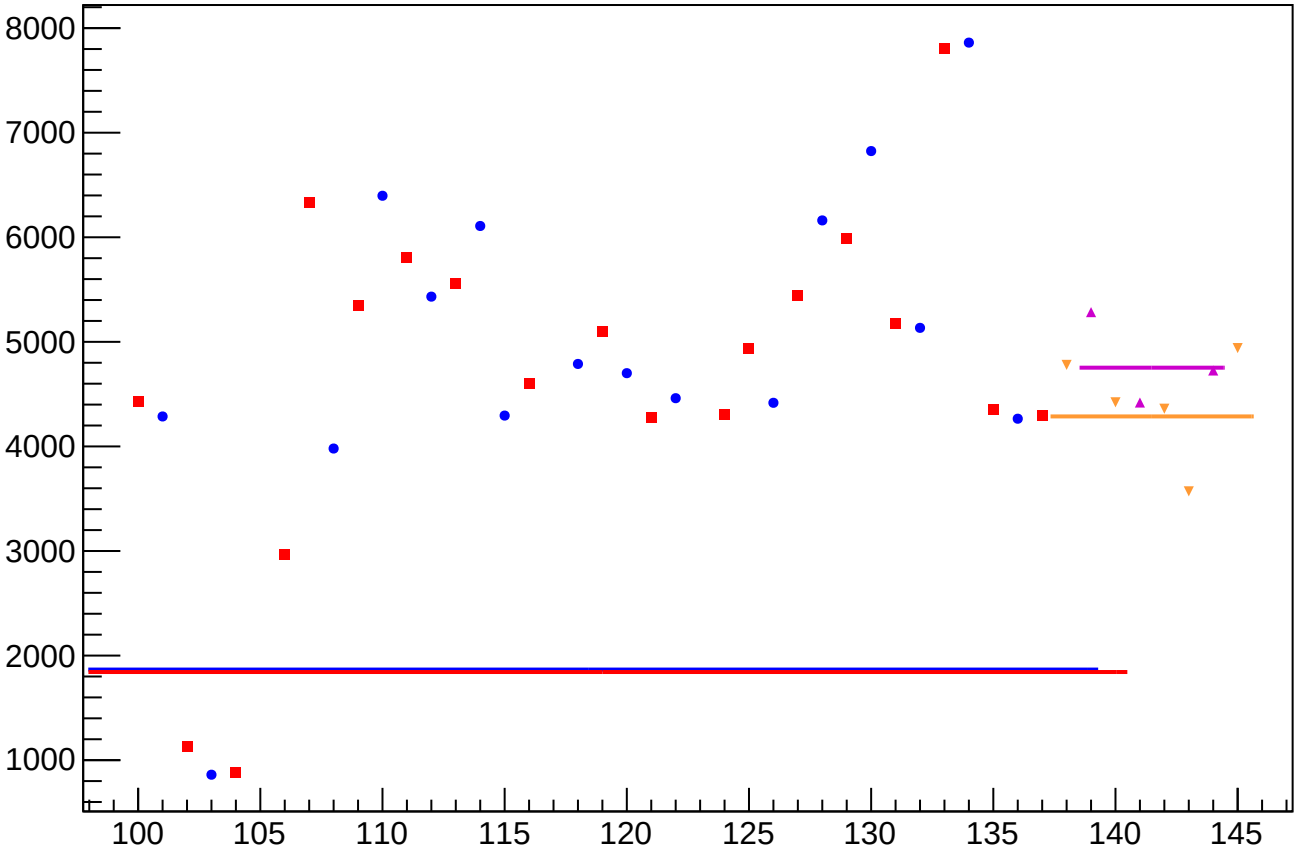
Left In: 109.483+/-2950.096 χ^2/NDF:0.9/2

\+ sign 13.845+/-885.764 χ^2/NDF: 22.6/20

All: 604.025+/-632.227 χ^2/NDF: 39.1/42

\- sign 1216.969+/-902.685 χ^2/NDF: 15.5/21

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

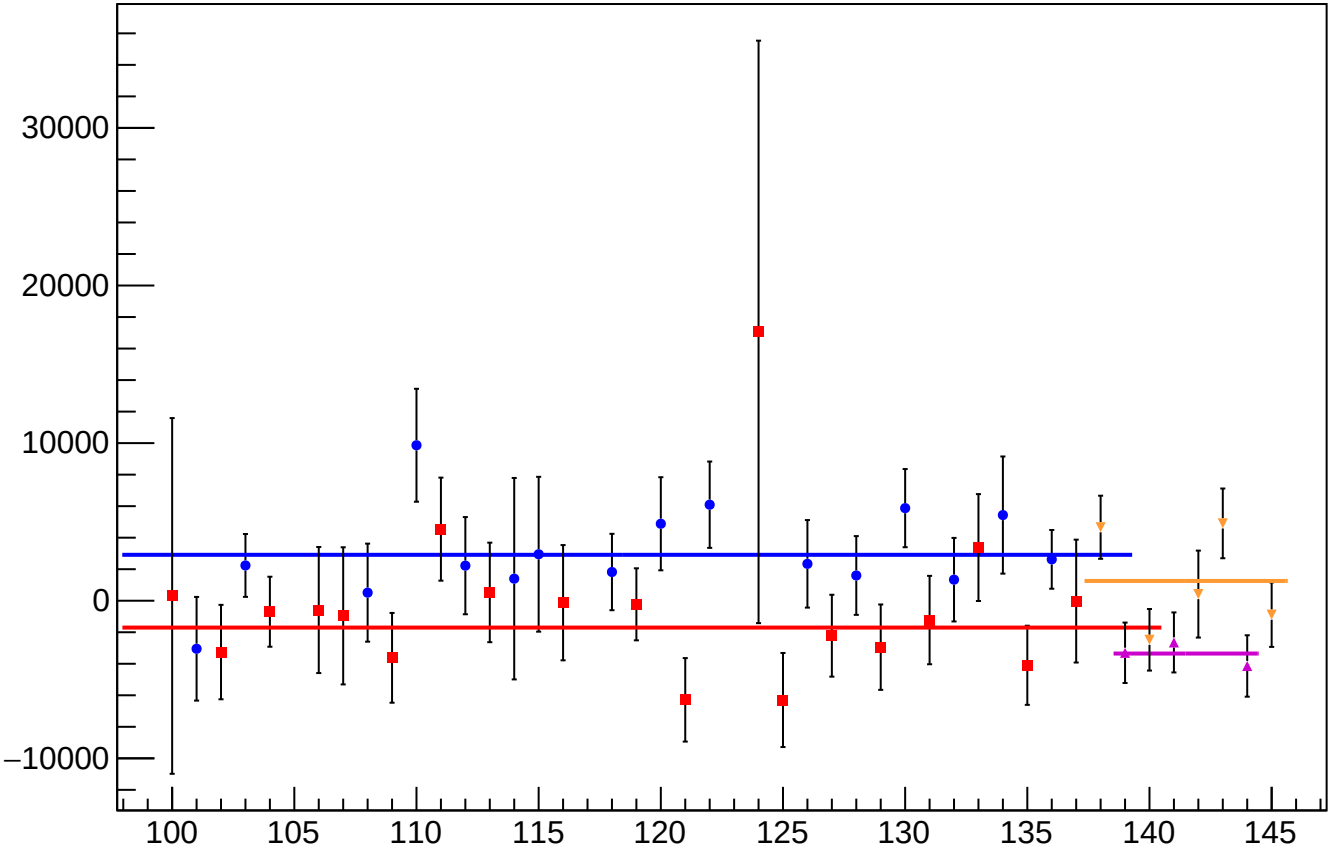
Left In: 4753.011+/-2.086 χ^2/NDF:27050.8/2

+ sign 2238.406+/-0.626 χ^2/NDF: 8905034.8/20

All: 2178.041+/-0.447 χ^2/NDF: 17173440.1/4

- sign 2115.348+/-0.638 χ^2/NDF: 8249469.5/21

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

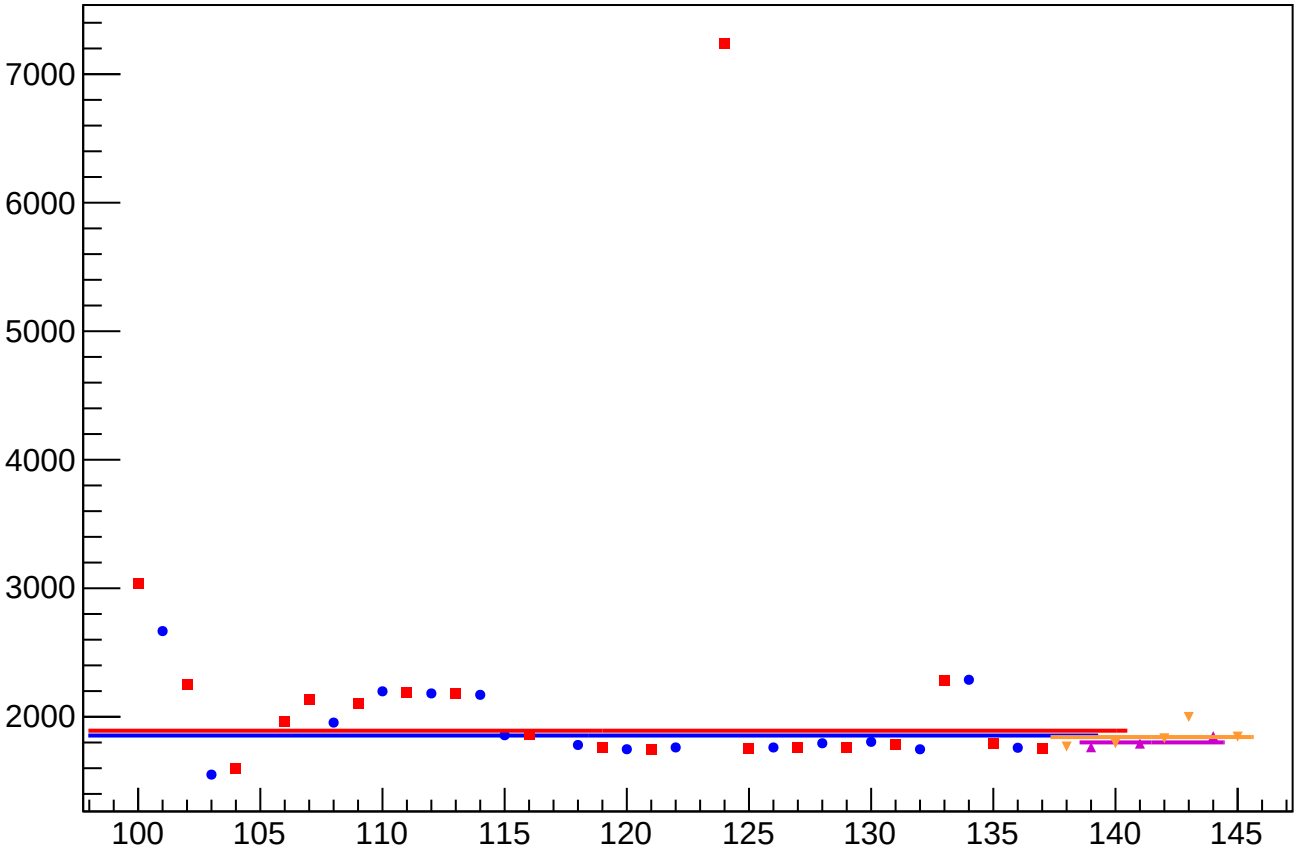
Left In: -3351.674+/-1110.271 χ^2/NDF:0.3/2

+ sign 2342.417+/-562.926 χ^2/NDF: 24.9/20

All: 211.694+/-409.327 χ^2/NDF: 73.0/42

- sign -2178.876+/-596.264 χ^2/NDF: 17.7/21

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

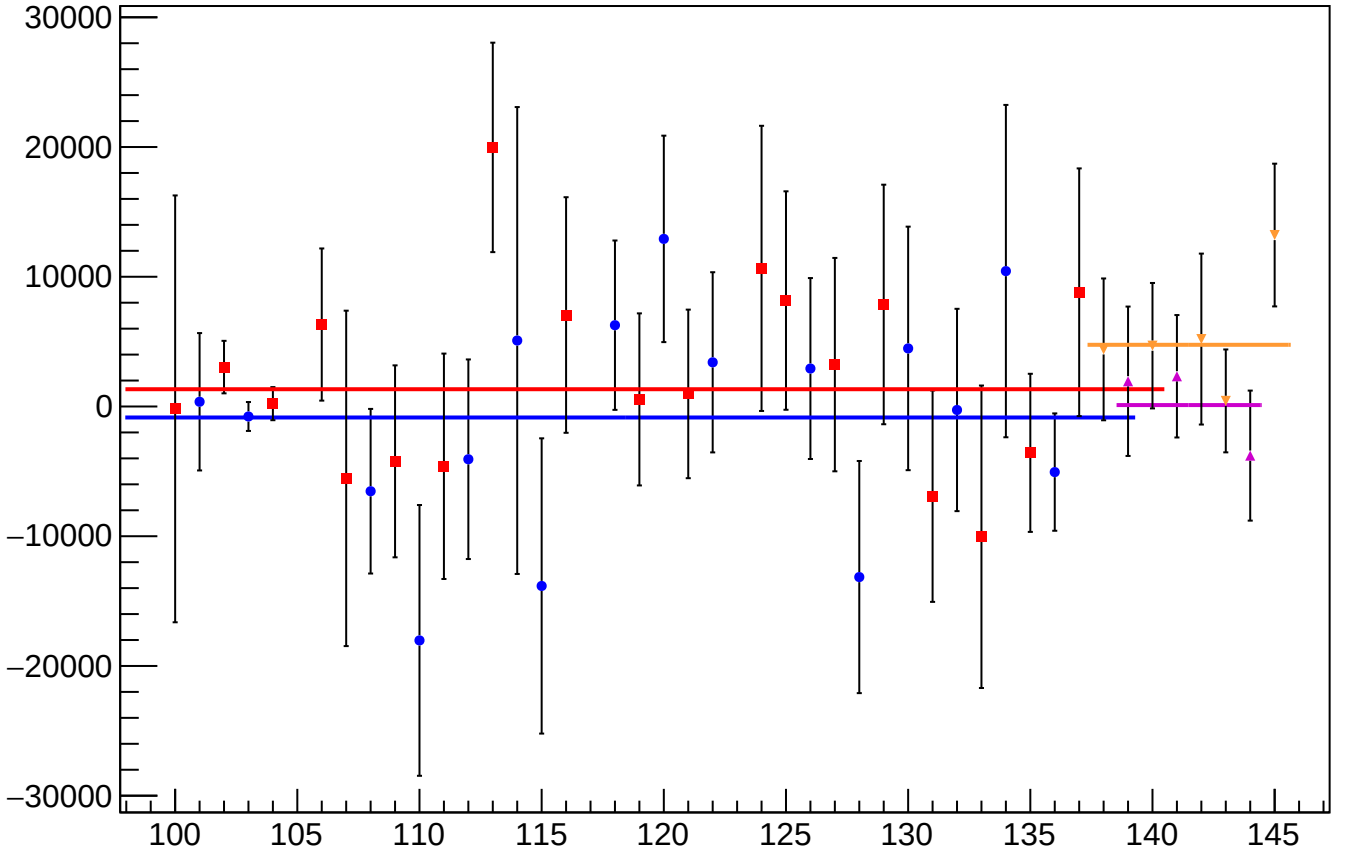
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1800.864+/-0.785 χ^2/NDF:2051.0/2

\+ sign 1850.244+/-0.398 χ^2/NDF: 277506.8/20

All: 1857.559+/-0.289 χ^2/NDF: 654150.9/42

\- sign 1865.741+/-0.421 χ^2/NDF: 375928.6/21



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

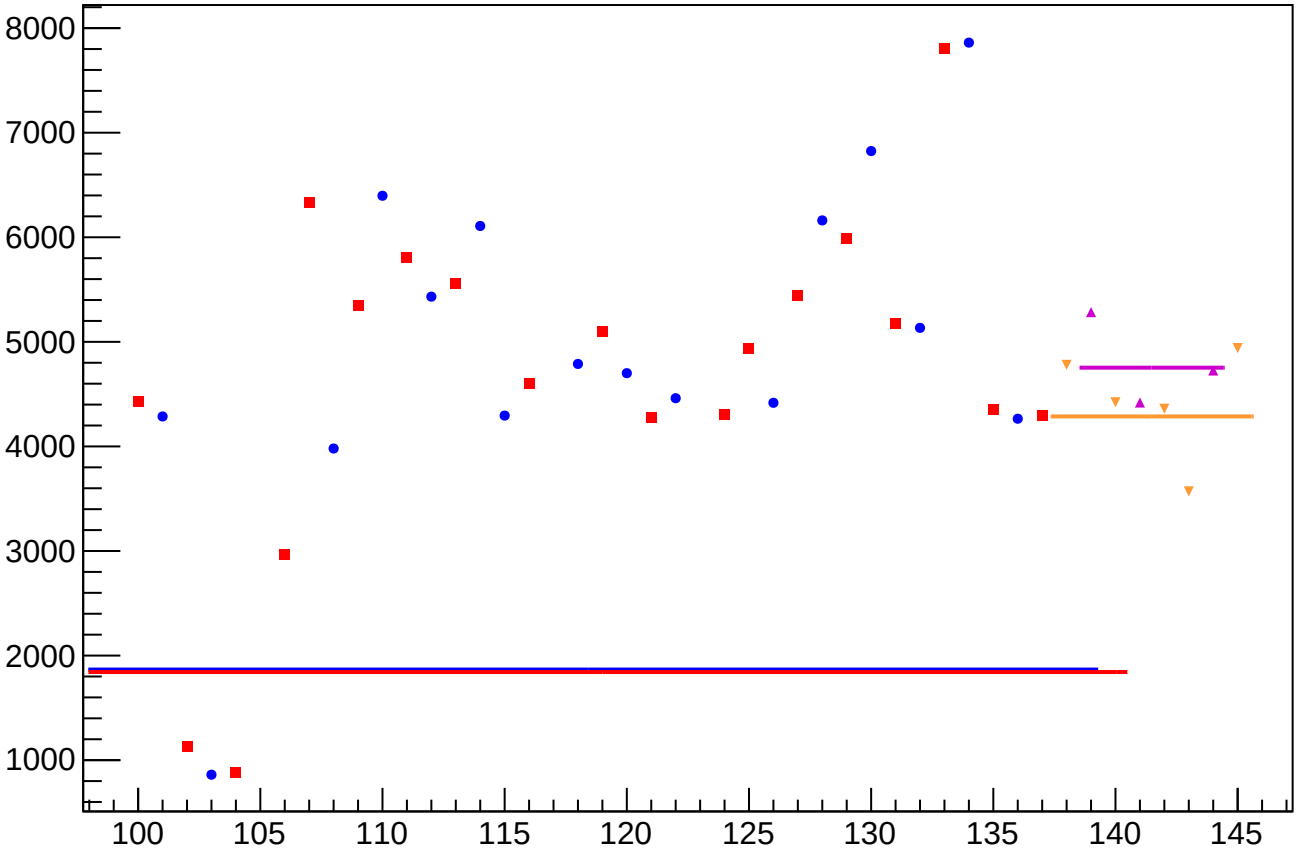
Left In: 109.483+/-2950.096 χ^2/NDF:0.9/2

\+ sign 13.845+/-885.764 χ^2/NDF: 22.6/20

All: 604.025+/-632.227 χ^2/NDF: 39.1/42

\- sign 1216.969+/-902.685 χ^2/NDF: 15.5/21

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

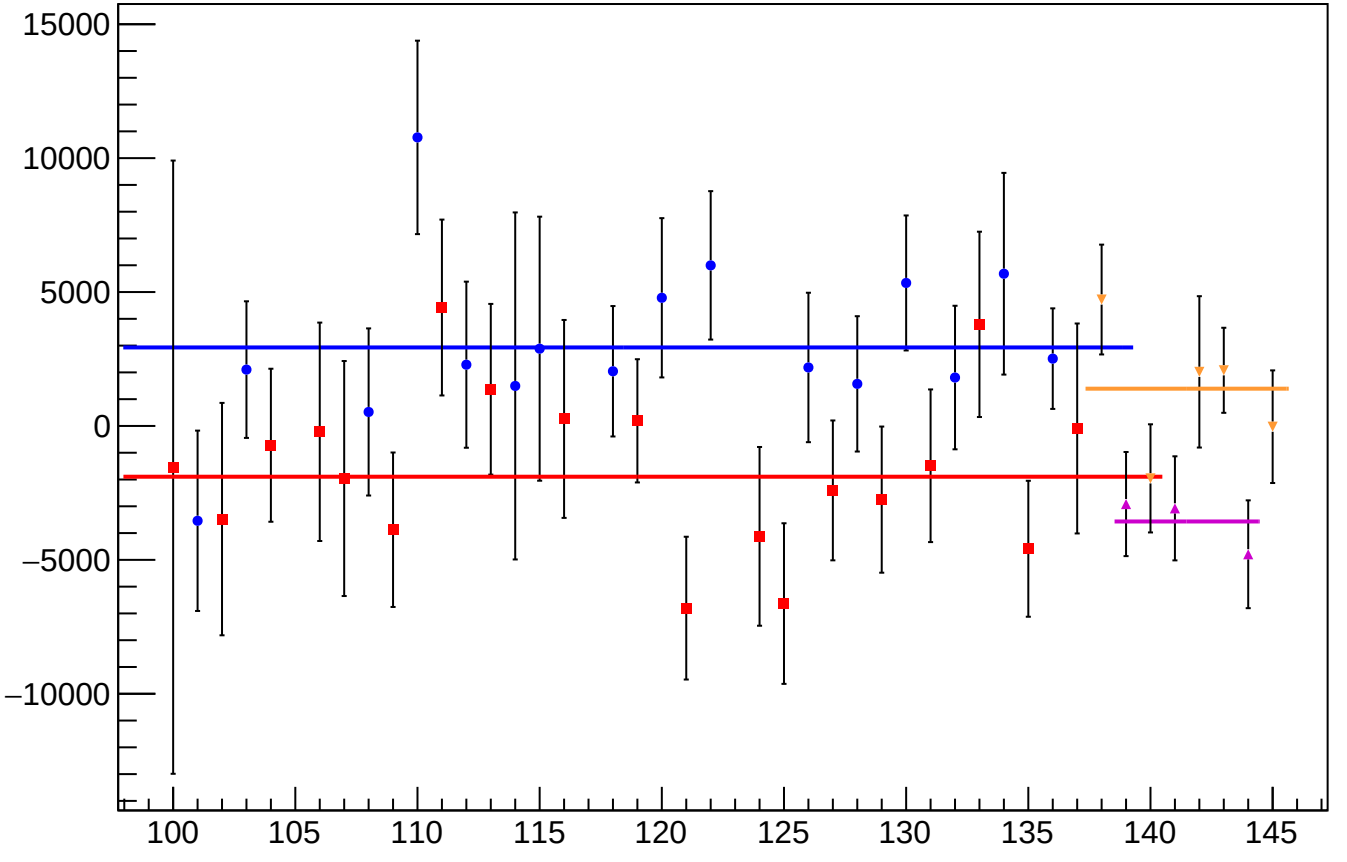
Left In: 4753.011+/-2.086 χ^2/NDF:27050.8/2

+ sign 2238.406+/-0.626 χ^2/NDF: 8905034.8/20

All: 2178.041+/-0.447 χ^2/NDF: 17173440.1/4

- sign 2115.348+/-0.638 χ^2/NDF: 8249469.5/21

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

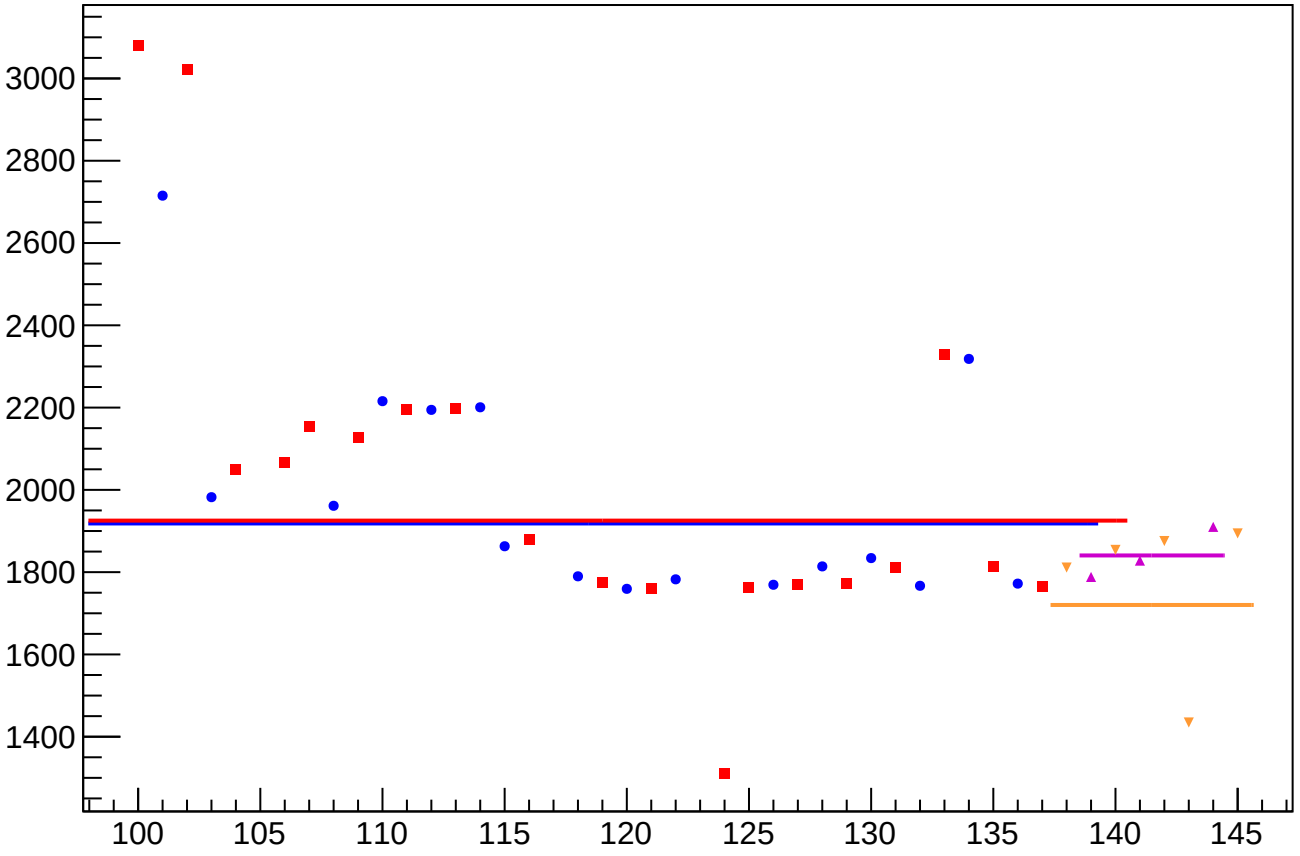
Left In: -3566.740+/-1135.038 χ^2/NDF:0.5/2

+ sign 2333.508+/-561.723 χ^2/NDF: 20.8/20

All: 168.866+/-412.954 χ^2/NDF: 72.6/42

- sign -2376.886+/-609.168 χ^2/NDF: 19.5/21

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

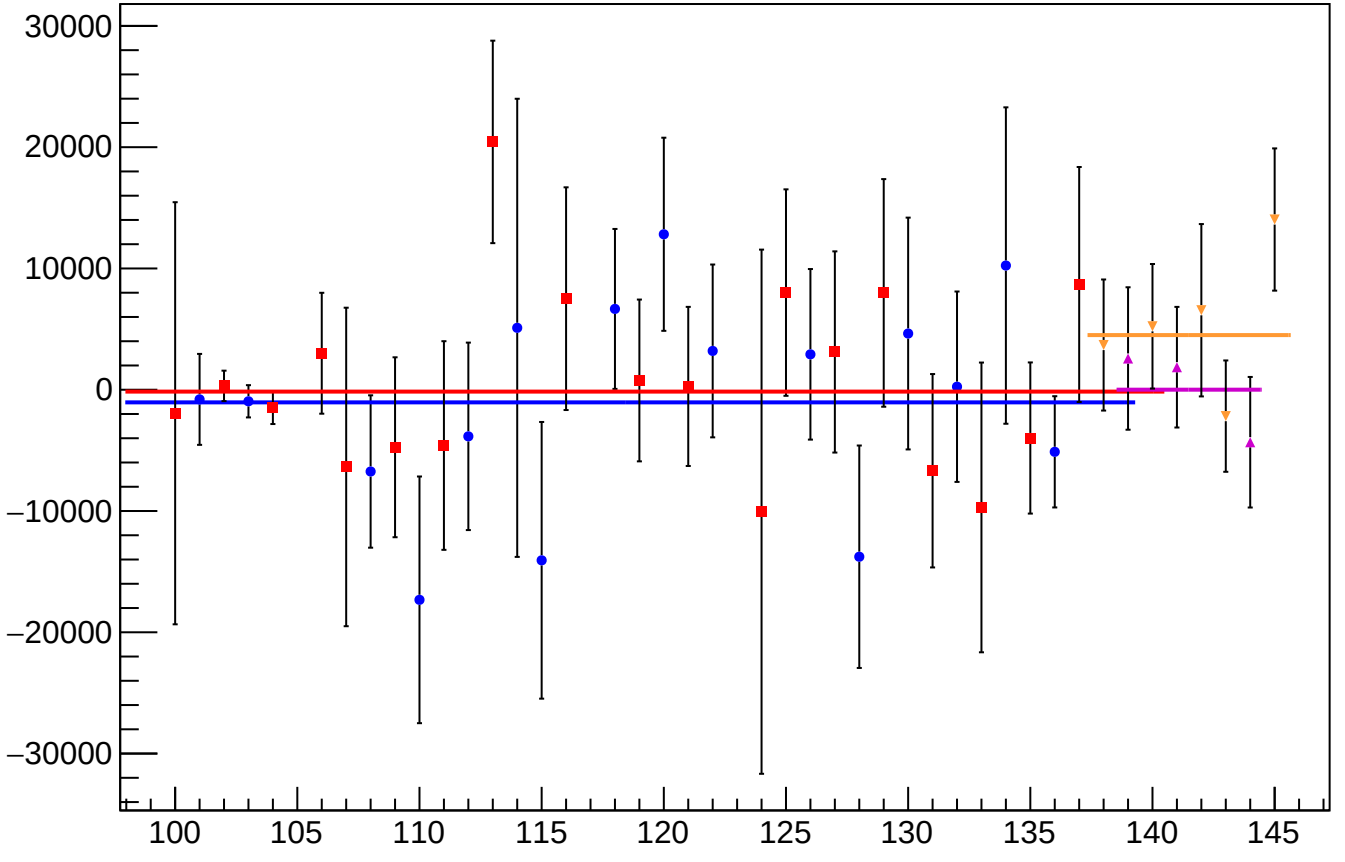
Left In: 1840.599+/-0.803 χ^2/NDF:3909.4/2

+ sign 1841.399+/-0.397 χ^2/NDF: 371885.1/20

All: 1868.761+/-0.292 χ^2/NDF: 733135.4/42

- sign 1900.903+/-0.430 χ^2/NDF: 350930.4/21

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

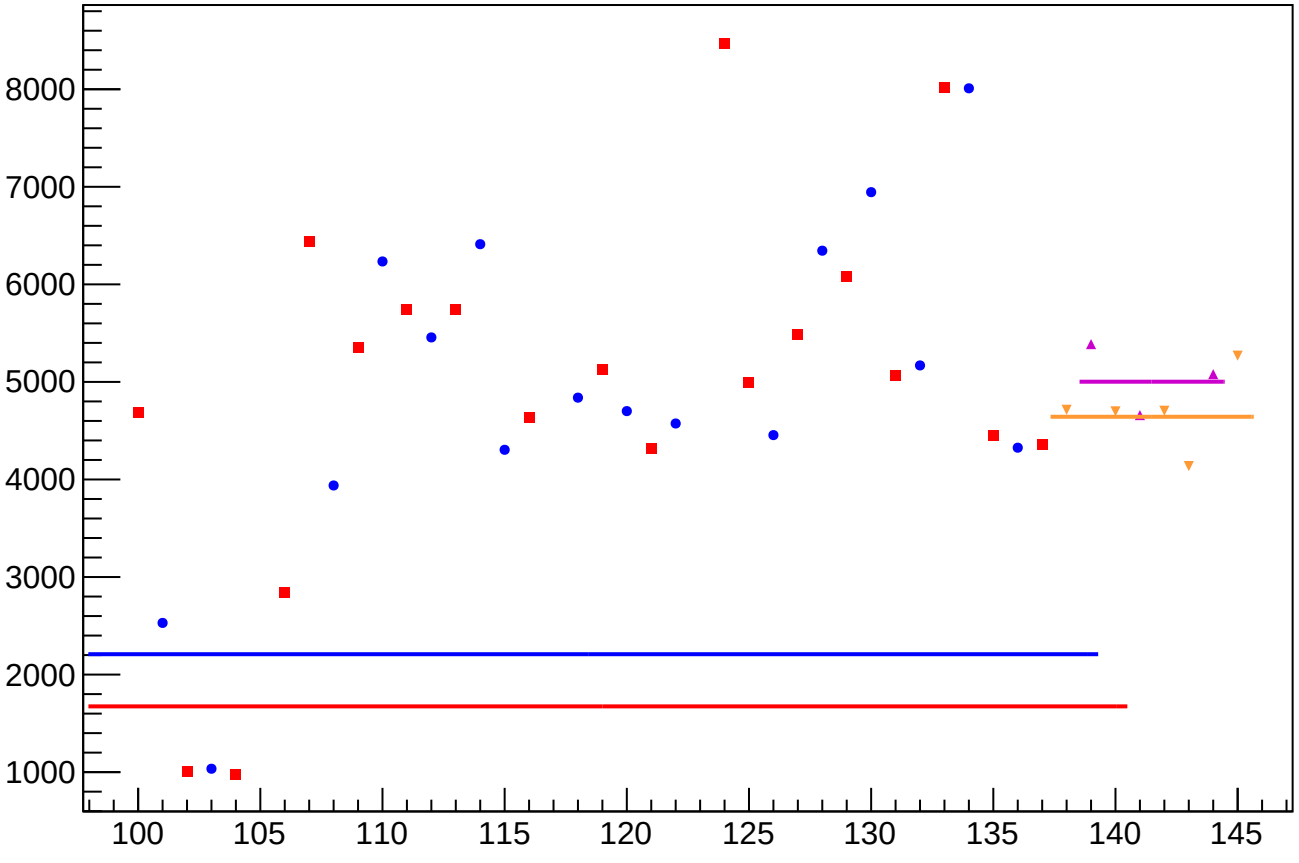
Left In: 4.246+/-3101.919 χ^2/NDF:1.0/2

+ sign -141.399+/-981.524 χ^2/NDF: 23.1/20

All: -142.317+/-623.305 χ^2/NDF: 37.8/42

- sign -142.937+/-806.888 χ^2/NDF: 14.7/21

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

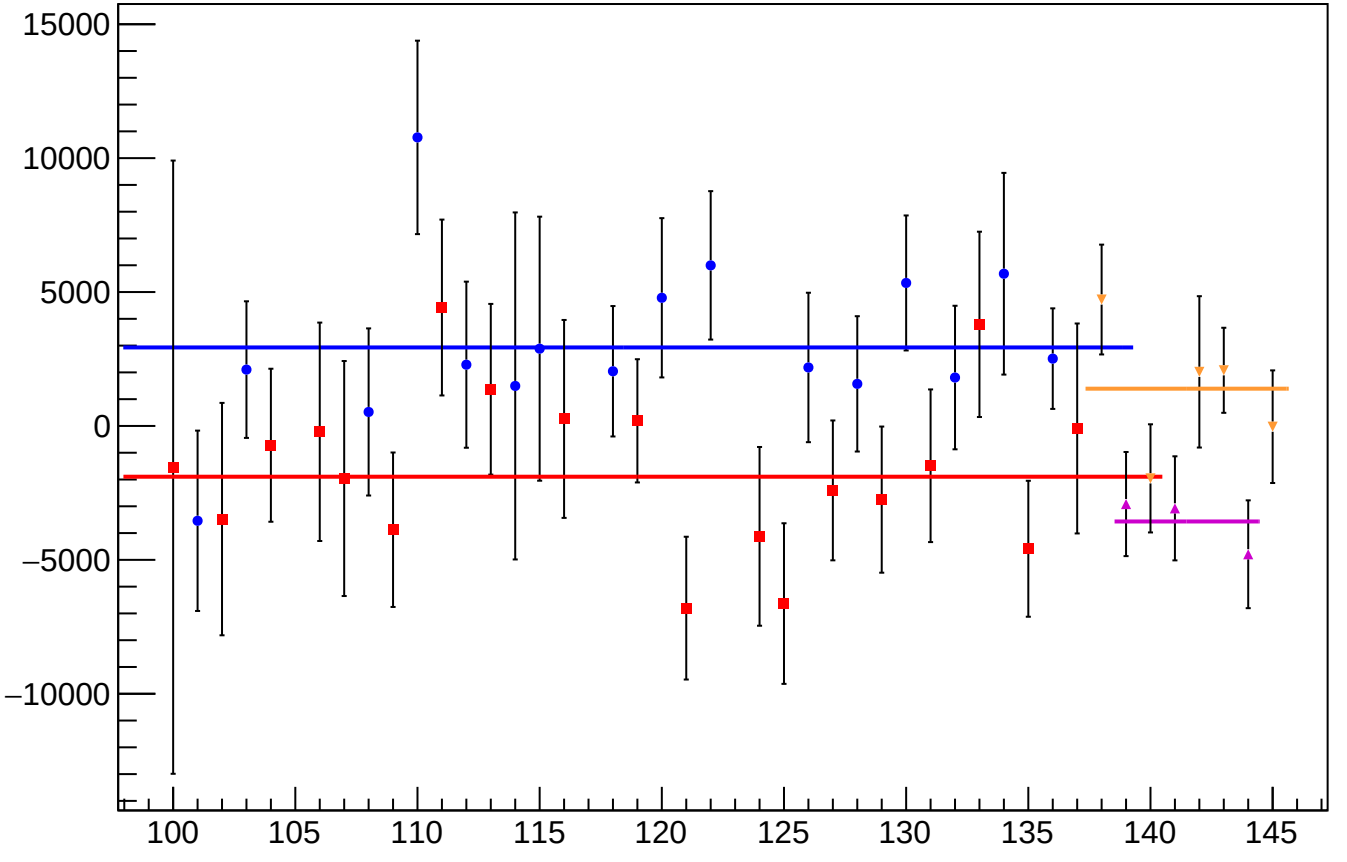
Left In: 5002.185+/-2.193 χ^2/NDF:18497.8/2

+ sign 2603.949+/-0.694 χ^2/NDF: 7218809.2/20

All: 2183.498+/-0.441 χ^2/NDF: 16851946.1/4

- sign 1899.353+/-0.571 χ^2/NDF: 9018125.0/21

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

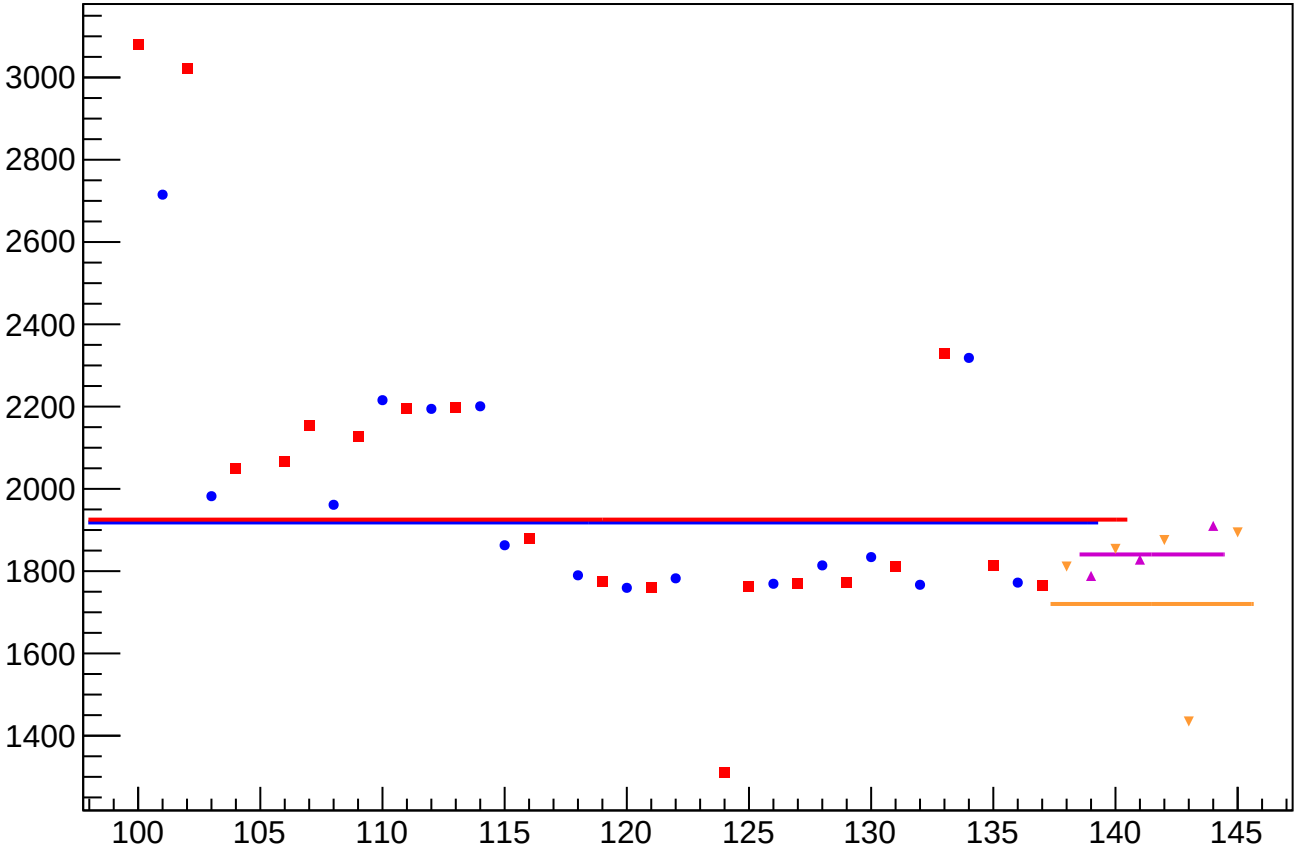
Left In: -3566.729+/-1135.039 χ^2/NDF:0.5/2

+ sign 2333.512+/-561.723 χ^2/NDF: 20.8/20

All: 168.867+/-412.954 χ^2/NDF: 72.6/42

- sign -2376.886+/-609.168 χ^2/NDF: 19.5/21

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

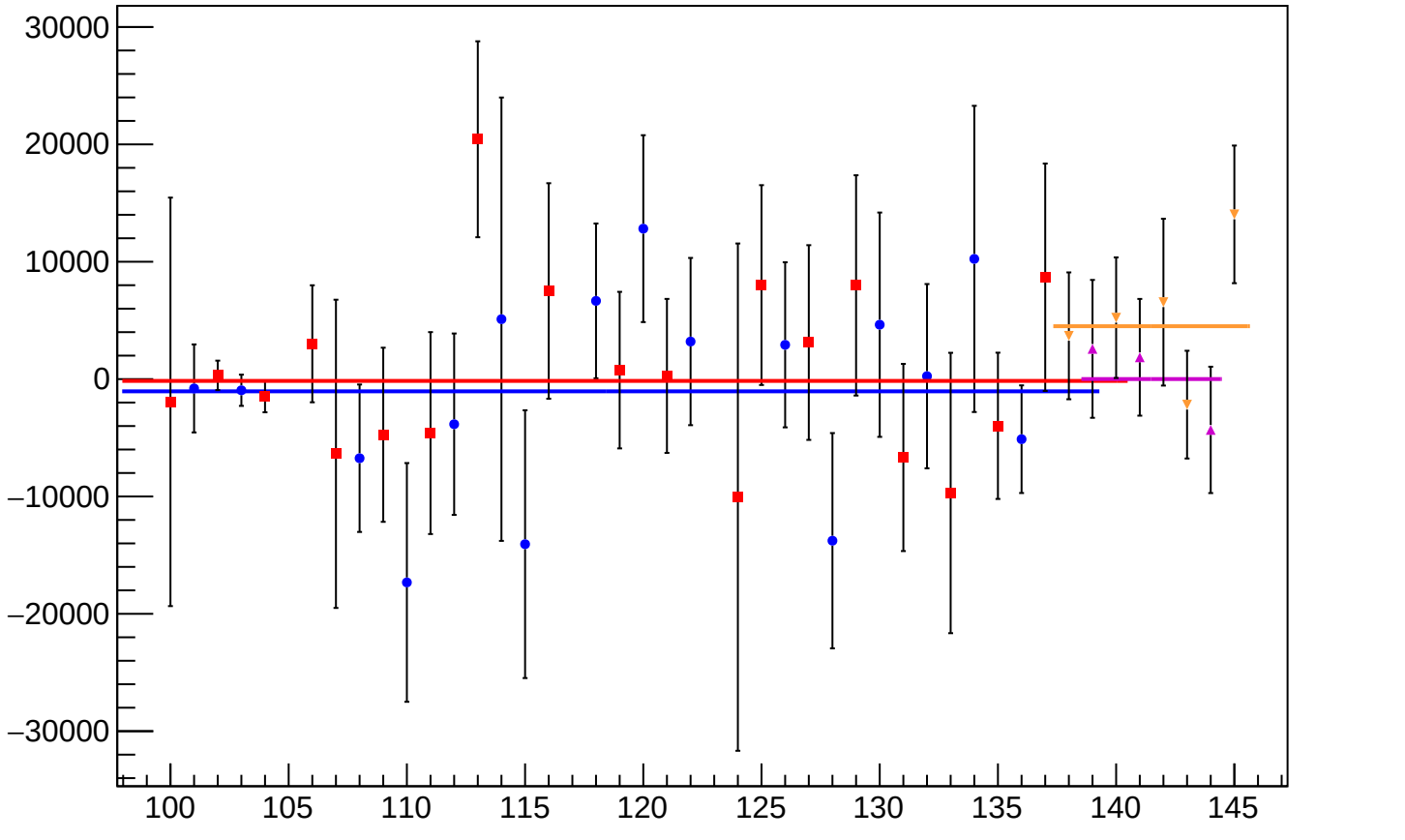
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1840.600+/-0.803 χ^2/NDF:3909.4/2

\+ sign 1841.399+/-0.397 χ^2/NDF: 371883.0/20

All: 1868.761+/-0.292 χ^2/NDF: 733132.0/42

\- sign 1900.902+/-0.430 χ^2/NDF: 350929.2/21



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

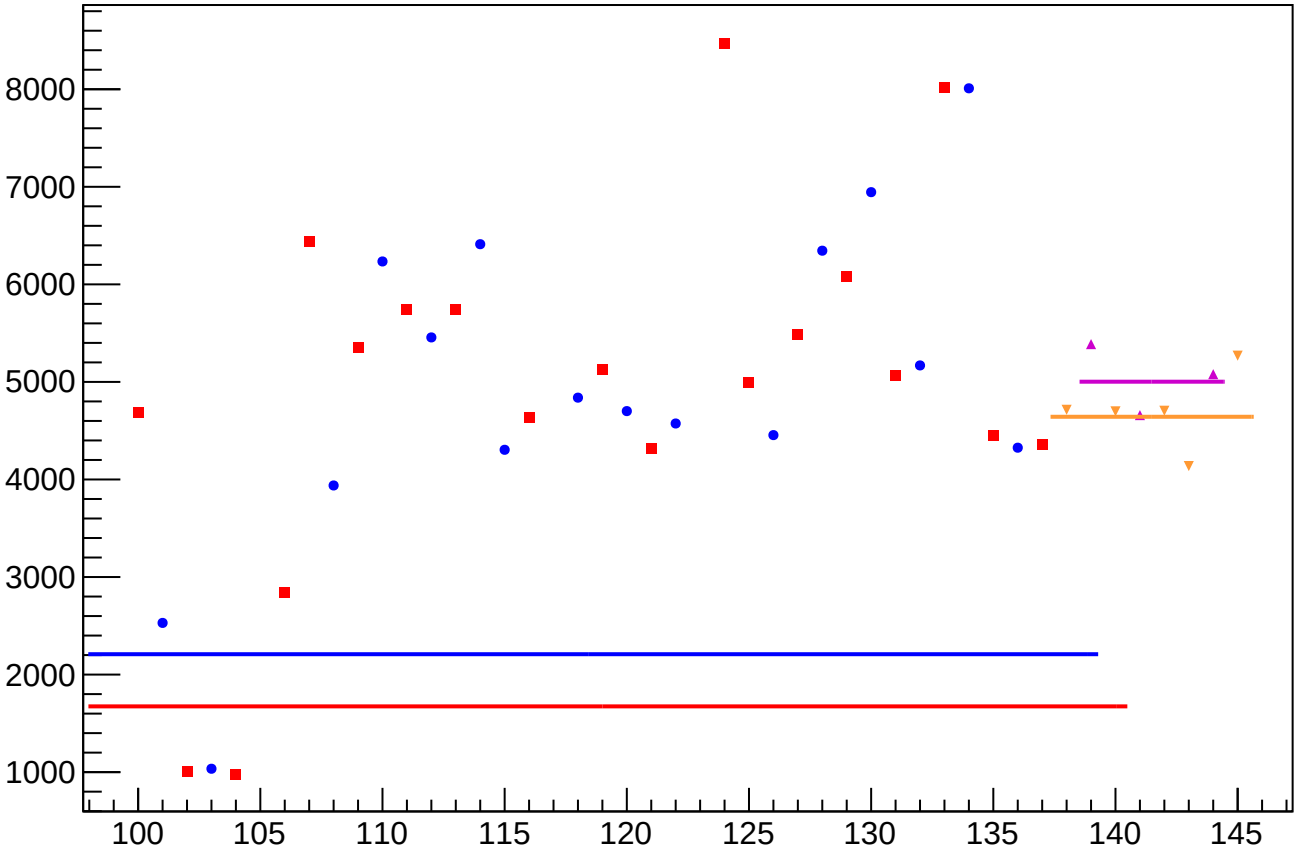
Left In: 4.258+/-3101.922 χ^2/NDF:1.0/2

\+ sign -141.400+/-981.523 χ^2/NDF: 23.1/20

All: -142.314+/-623.305 χ^2/NDF: 37.8/42

\- sign -142.932+/-806.888 χ^2/NDF: 14.7/21

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

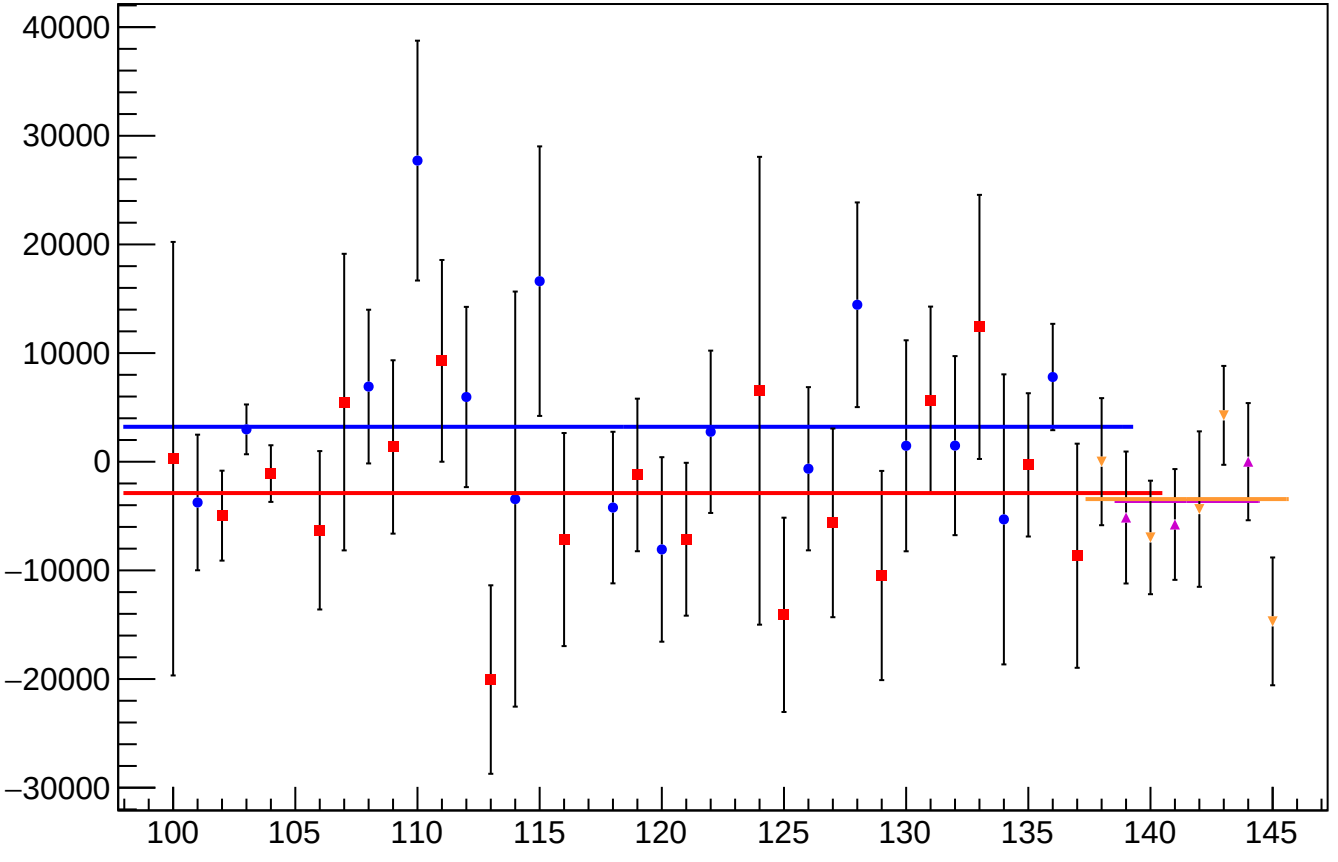
Left In: 5002.190+/-2.193 χ^2/NDF:18498.3/2

+ sign 2603.948+/-0.694 χ^2/NDF: 7218808.4/20

All: 2183.498+/-0.441 χ^2/NDF: 16851940.0/4

- sign 1899.353+/-0.571 χ^2/NDF: 9018119.9/21

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

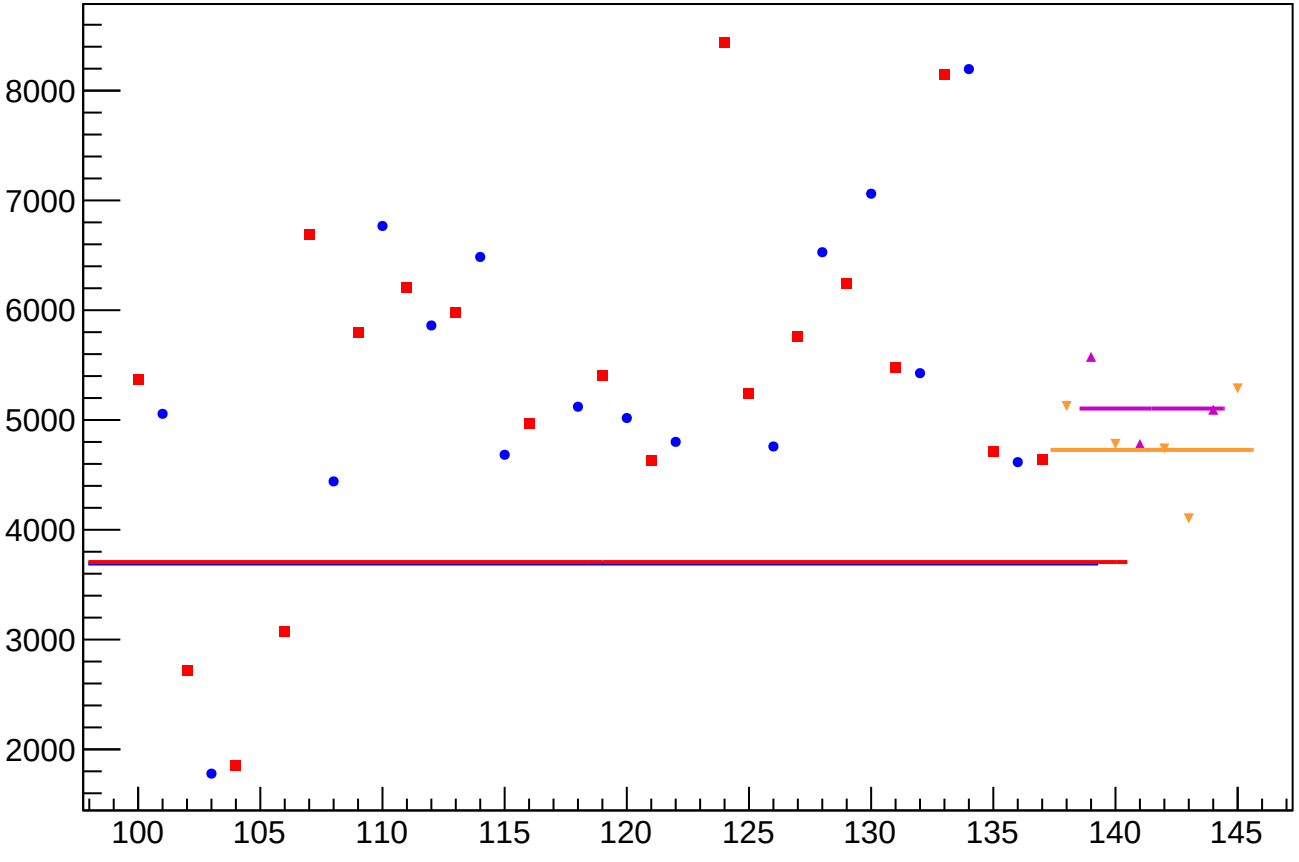
Left In: -3611.967+/-3162.730 χ^2/NDF:0.7/2

+ sign 1365.323+/-1307.811 χ^2/NDF: 26.4/20

All: -690.825+/-953.577 χ^2/NDF: 45.8/42

- sign -3024.819+/-1393.374 χ^2/NDF: 14.1/21

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

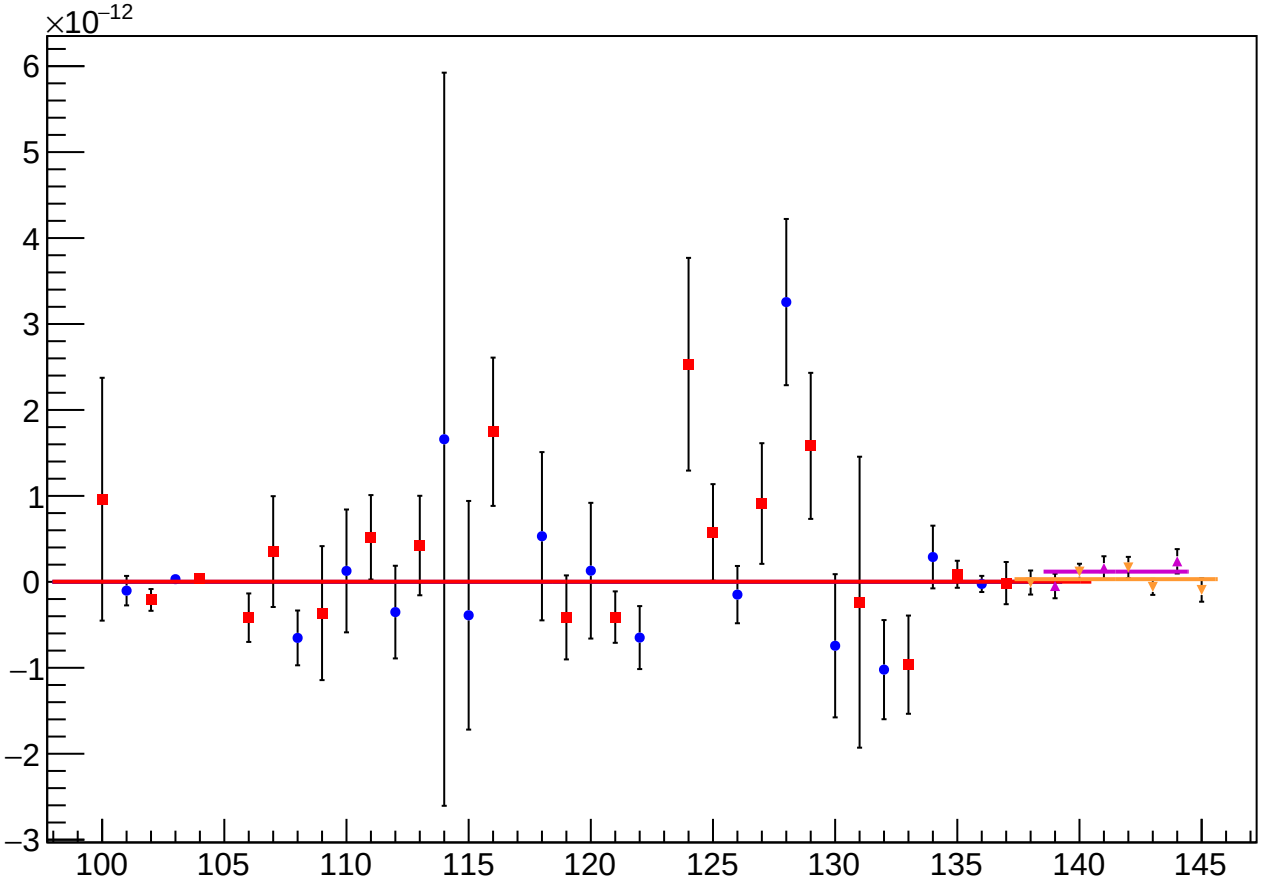
Left In: 5104.332+/-2.236 χ^2/NDF:20062.3/2

+ sign 3980.607+/-0.925 χ^2/NDF: 3202317.0/20

All: 3977.066+/-0.672 χ^2/NDF: 6223194.0/42

- sign 3973.111+/-0.977 χ^2/NDF: 3020846.0/21

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

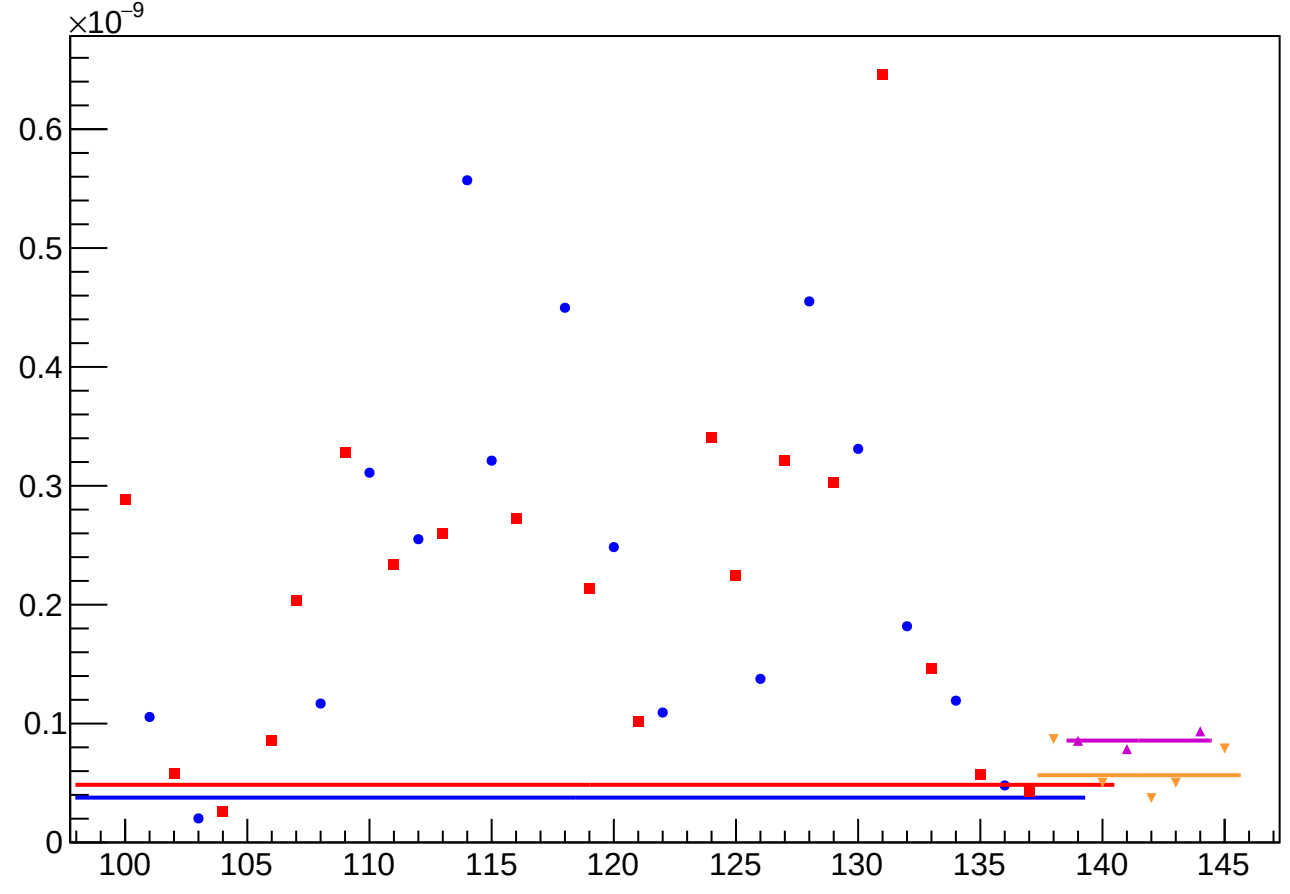
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/20

All: 0.000+/-0.000 χ^2/NDF: 61.7/42

- sign 0.000+/-0.000 χ^2/NDF: 32.0/21



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

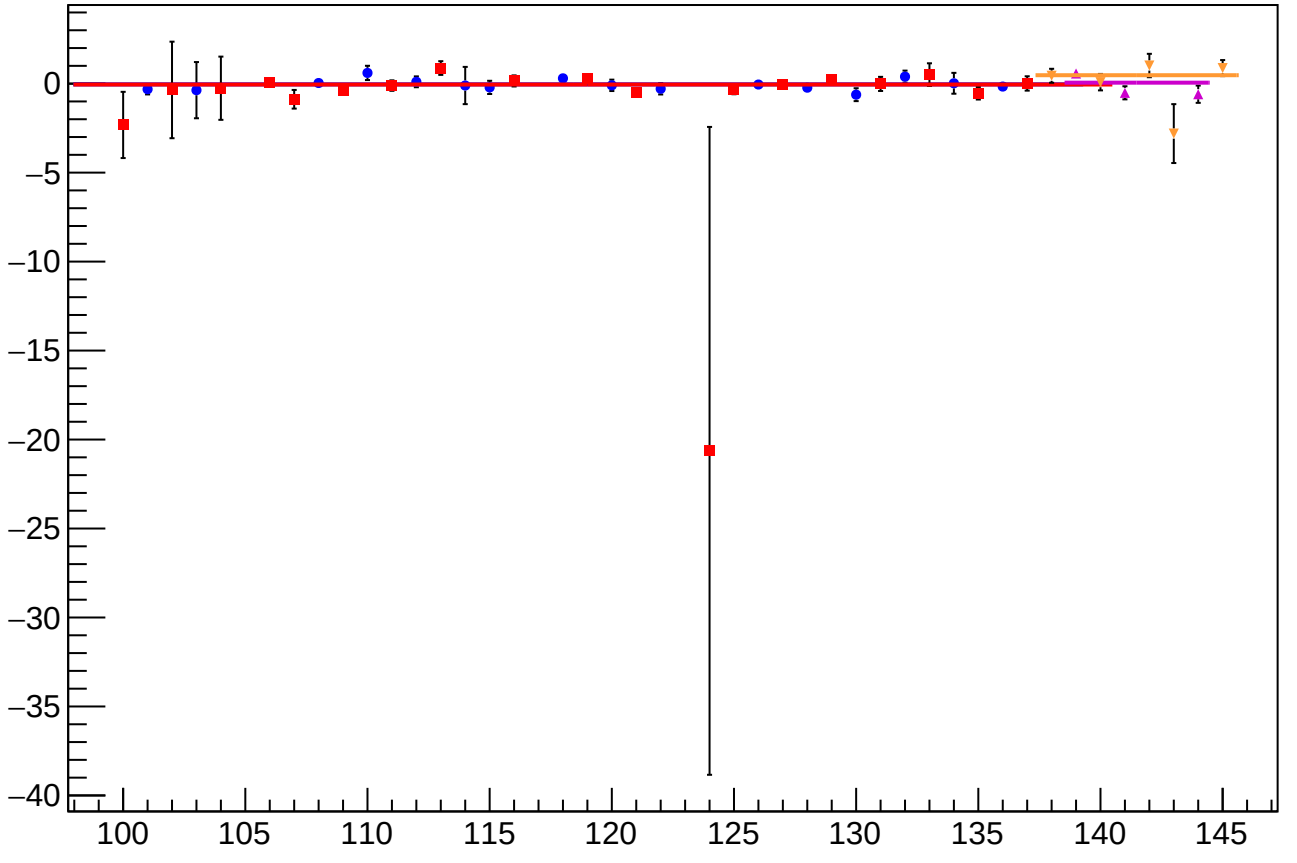
Left In: 0.000+/-0.000 χ^2/NDF:11426.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 3545057.2/20

All: 0.000+/-0.000 χ^2/NDF: 6912933.9/42

- sign 0.000+/-0.000 χ^2/NDF: 3228832.6/21

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.474+/-0.231 χ^2/NDF:6.1/4

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

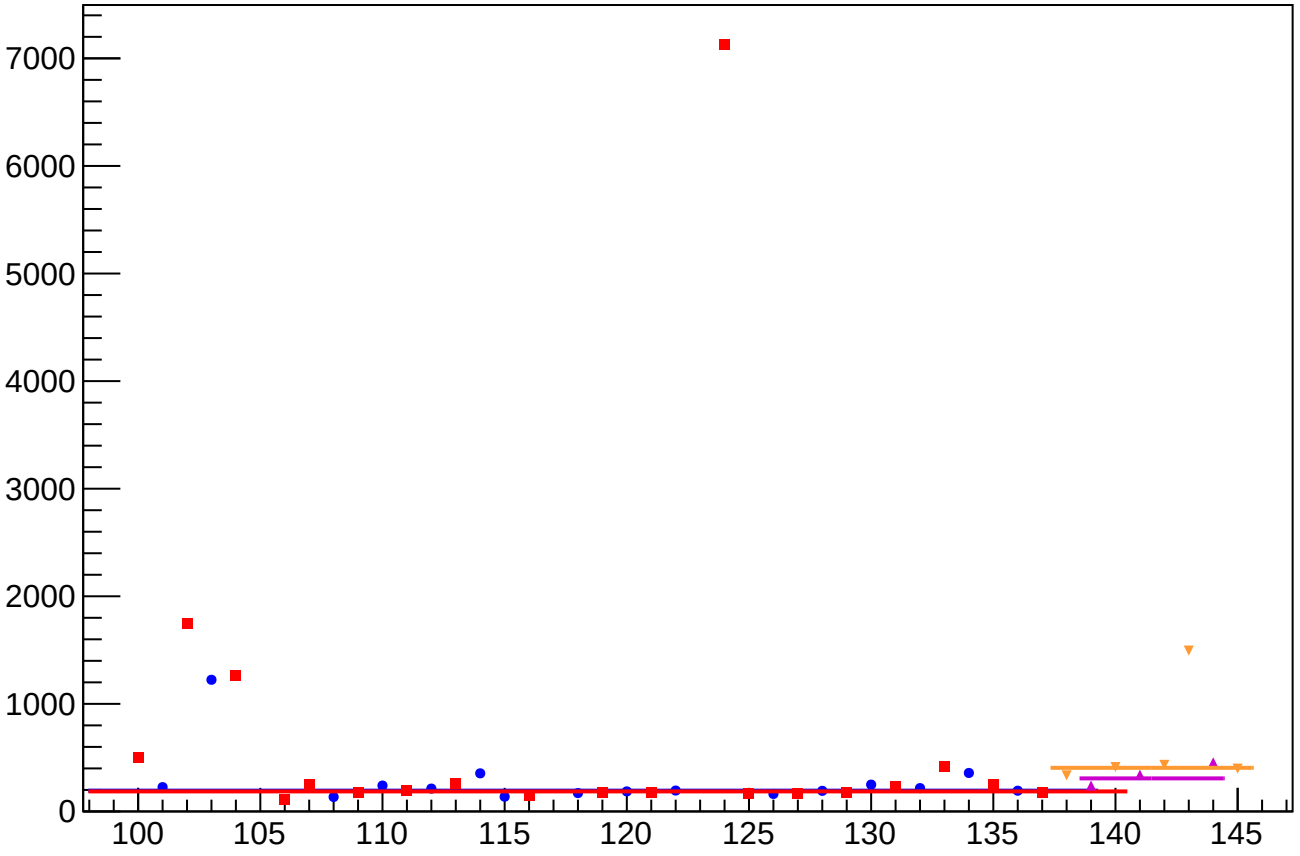
Left In: 0.055+/-0.200 χ^2/NDF:7.8/2

+ sign 0.011+/-0.074 χ^2/NDF: 22.3/20

All: -0.012+/-0.052 χ^2/NDF: 53.5/42

- sign -0.035+/-0.073 χ^2/NDF: 31.0/21

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

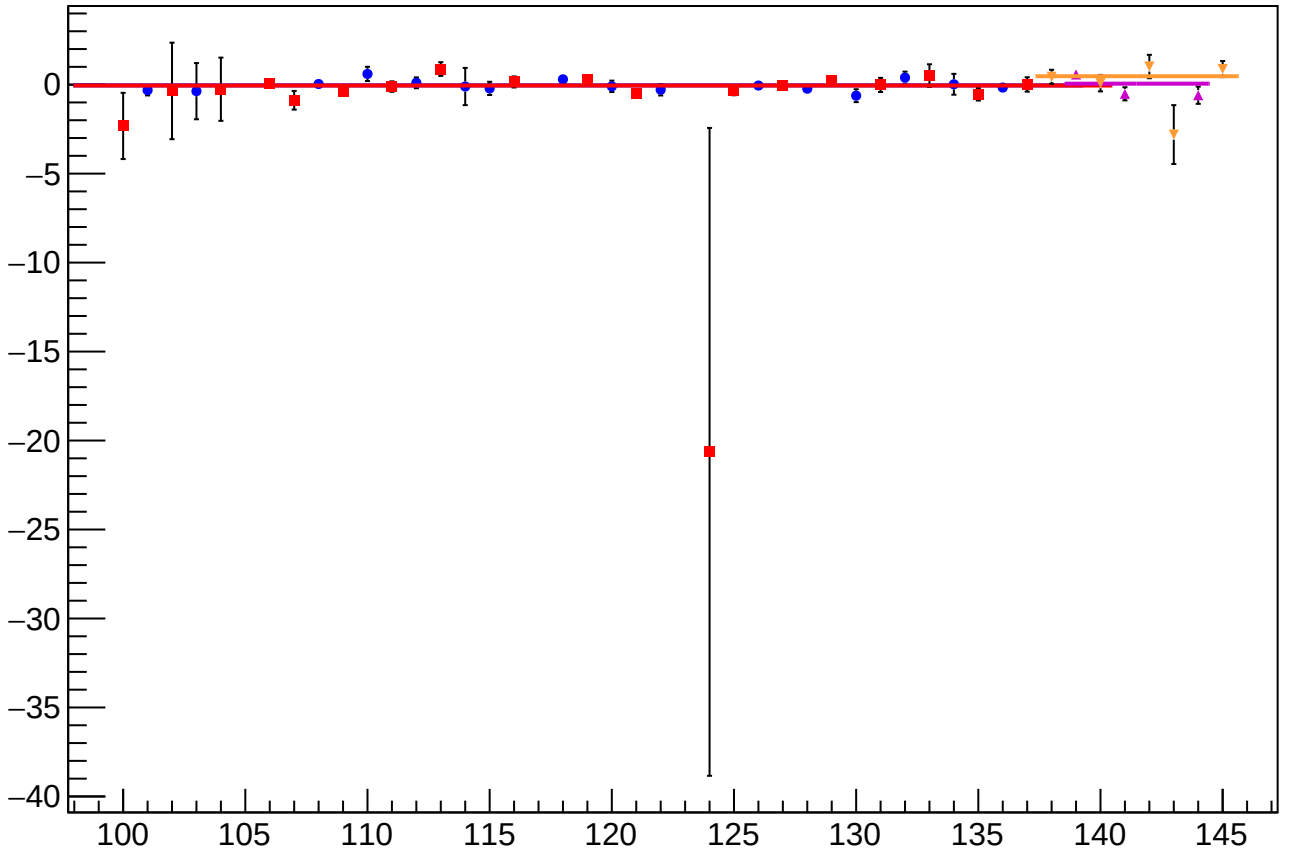
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 307.345+/-0.141 χ^2/NDF:325478.2/2

+ sign 214.907+/-0.052 χ^2/NDF: 3865707.2/20

All: 208.767+/-0.037 χ^2/NDF: 7333690.5/42

- sign 202.693+/-0.052 χ^2/NDF: 3440356.2/21



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

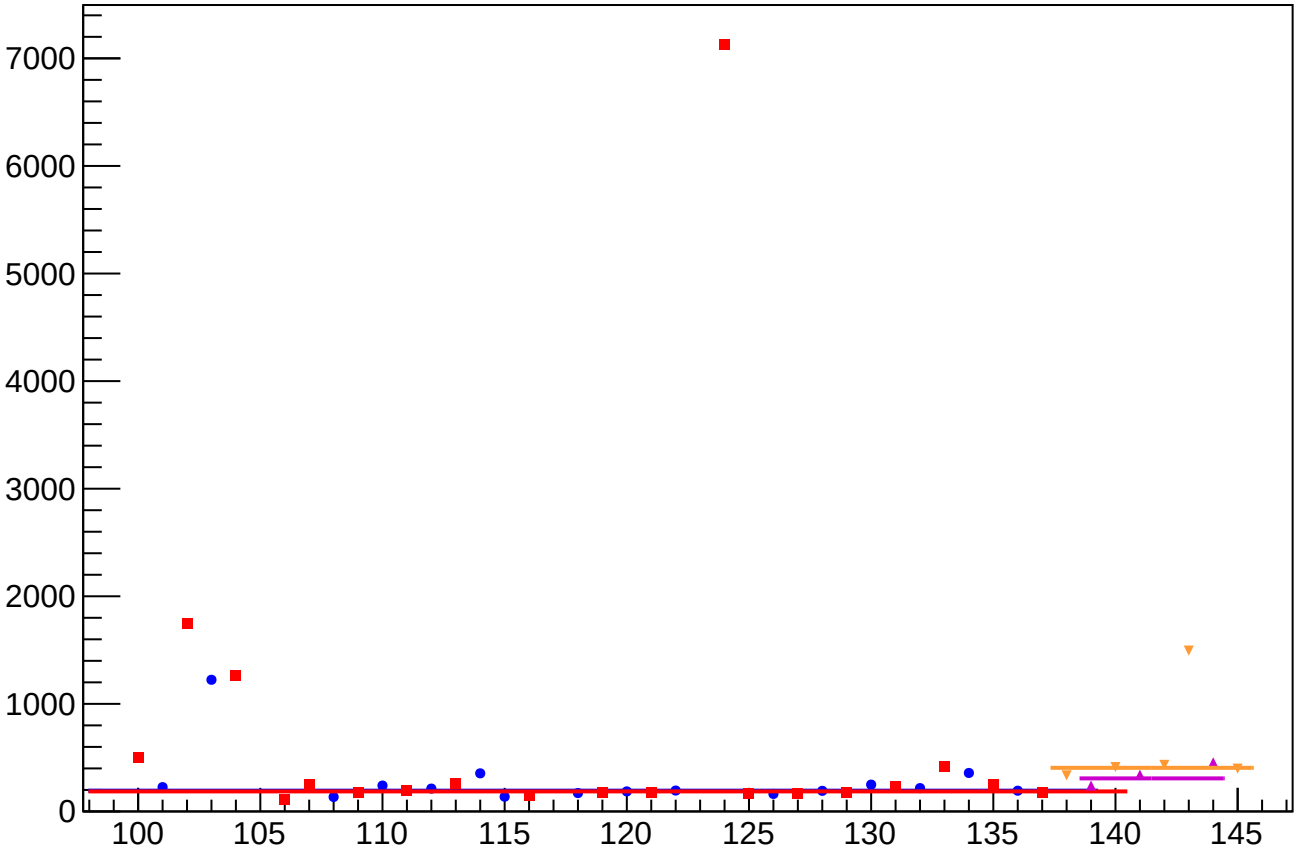
Left In: 0.055+/-0.200 χ^2/NDF:7.8/2

+ sign 0.011+/-0.074 χ^2/NDF: 22.3/20

All: -0.012+/-0.052 χ^2/NDF: 53.5/42

- sign -0.035+/-0.073 χ^2/NDF: 31.0/21

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 405.737+/-0.163 χ^2/NDF:934824.2/4

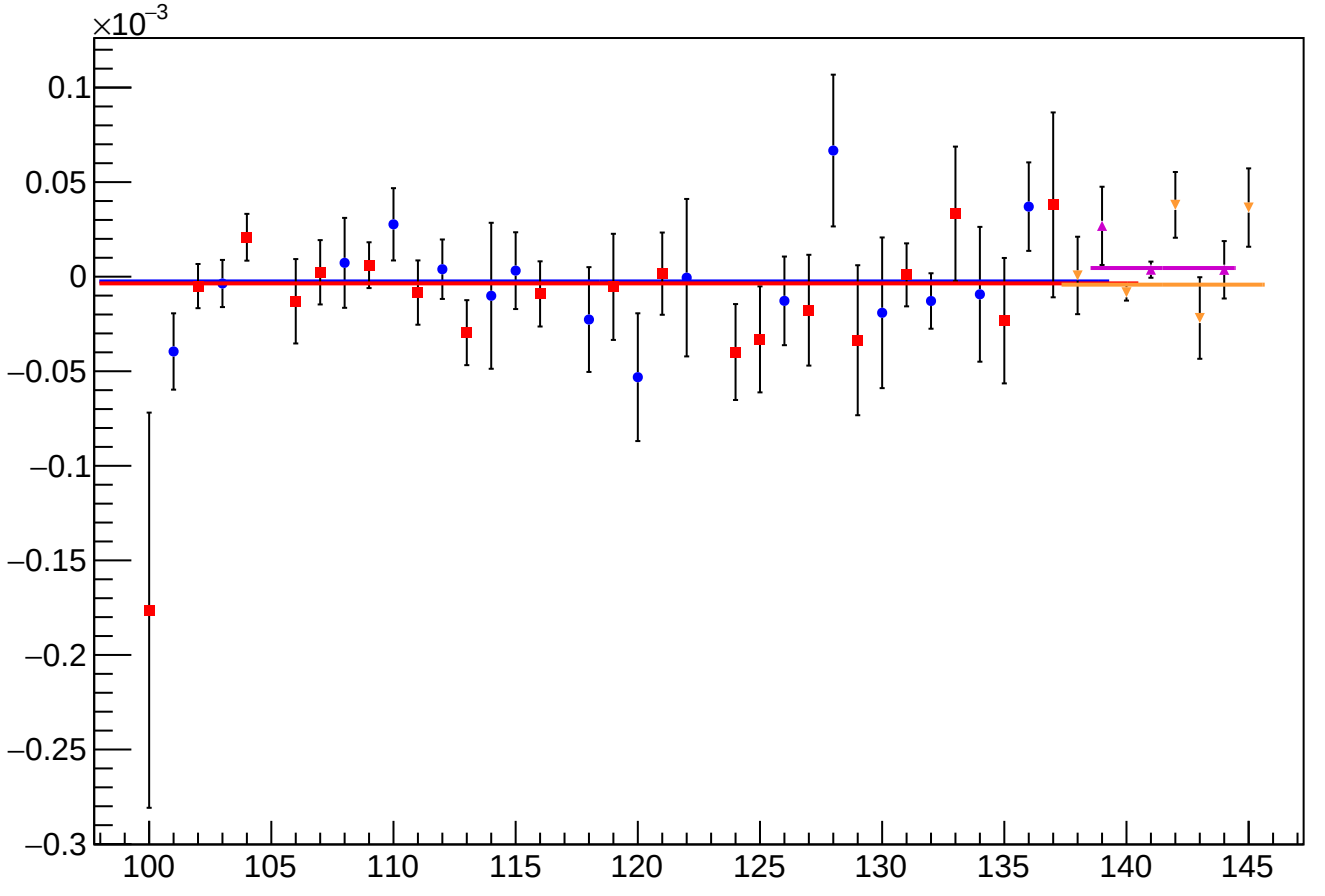
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 307.345+/-0.141 χ^2/NDF:325478.2/2

+ sign 214.907+/-0.052 χ^2/NDF: 3865707.2/20

All: 208.767+/-0.037 χ^2/NDF: 7333690.5/42

- sign 202.693+/-0.052 χ^2/NDF: 3440356.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/4

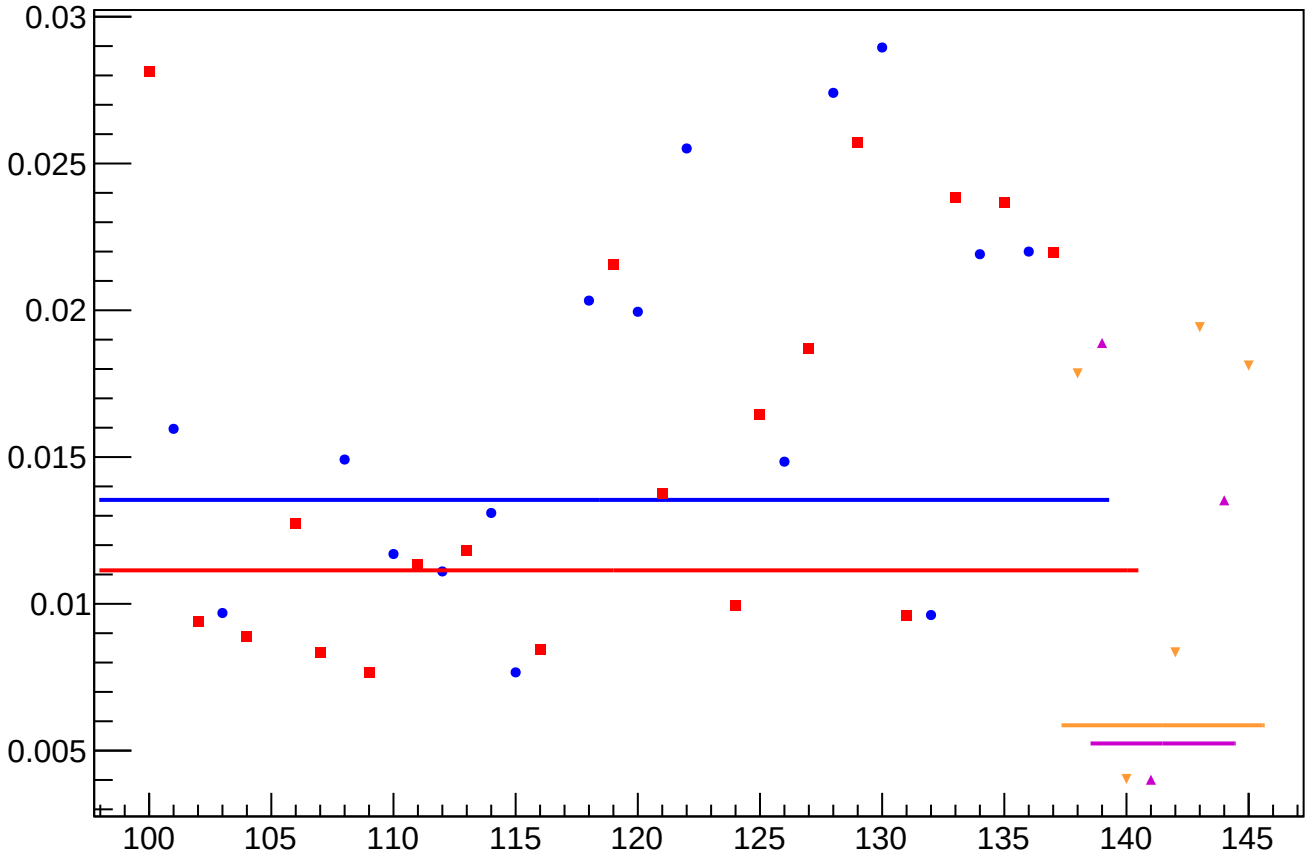
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/2

+ sign -0.000+/-0.000 χ^2/NDF: 27.2/20

All: -0.000+/-0.000 χ^2/NDF: 47.6/42

- sign 0.000+/-0.000 χ^2/NDF: 19.3/21



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:2563176.7/4

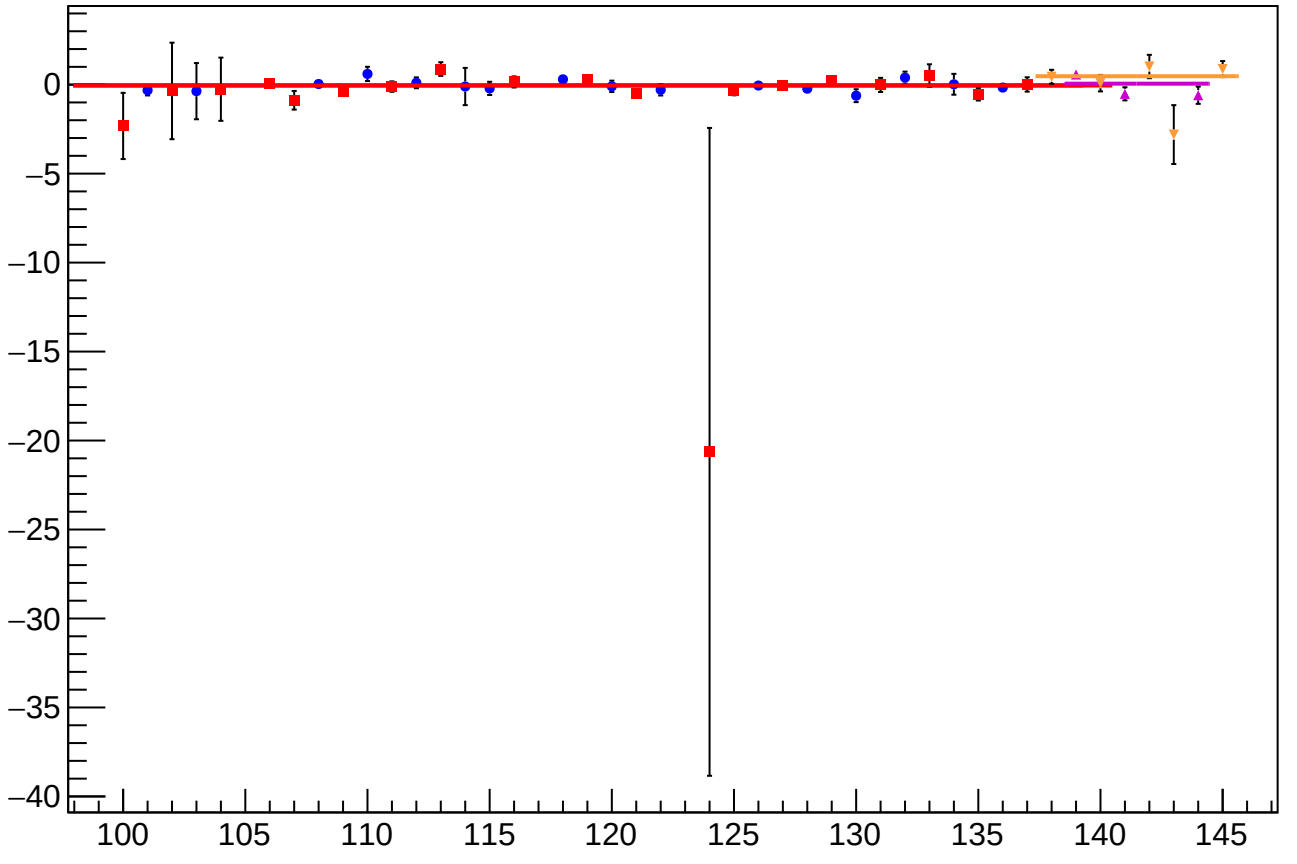
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.005+/-0.000 χ^2/NDF:1633422.8/2

+ sign 0.009+/-0.000 χ^2/NDF: 7009877.3/20

All: 0.008+/-0.000 χ^2/NDF: 12501876.3/42

- sign 0.008+/-0.000 χ^2/NDF: 5444927.3/21



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

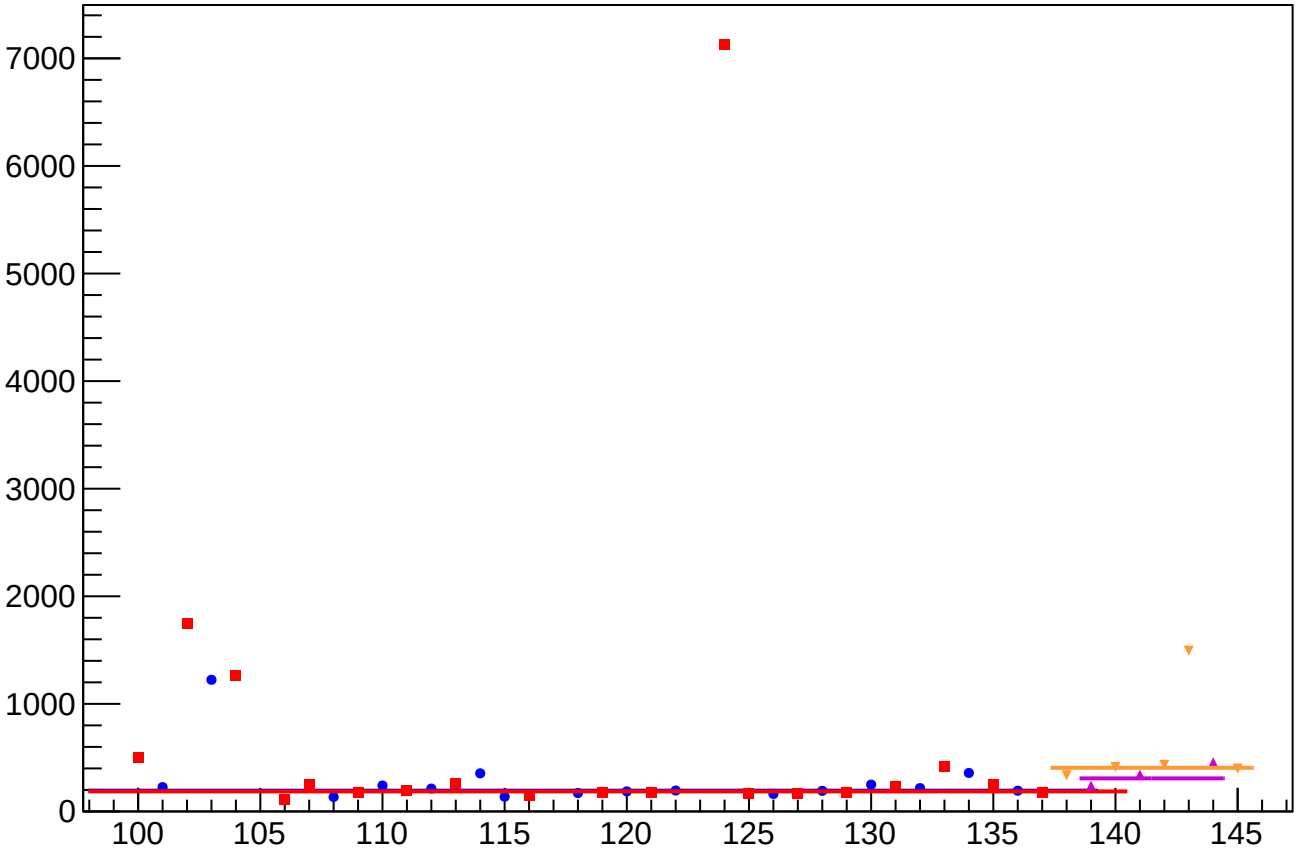
Left In: 0.055+/-0.200 χ^2/NDF:7.8/2

+ sign 0.011+/-0.074 χ^2/NDF: 22.3/20

All: -0.012+/-0.052 χ^2/NDF: 53.5/42

- sign -0.035+/-0.073 χ^2/NDF: 31.0/21

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

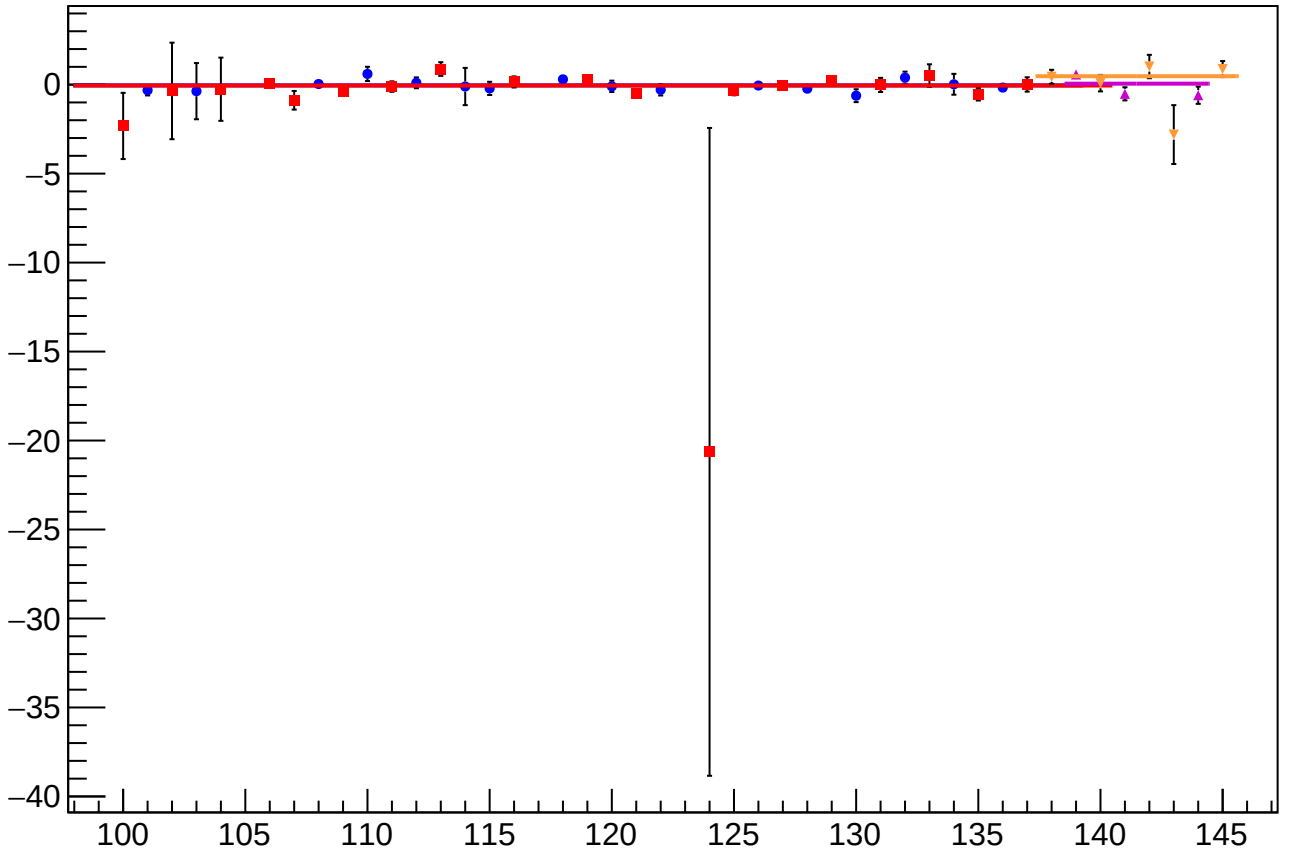
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 307.349+/-0.141 χ^2/NDF:325462.4/2

+ sign 214.906+/-0.052 χ^2/NDF: 3865735.5/20

All: 208.765+/-0.037 χ^2/NDF: 7333789.8/42

- sign 202.691+/-0.052 χ^2/NDF: 3440425.1/21



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.474+/-0.231 χ^2/NDF:6.1/4

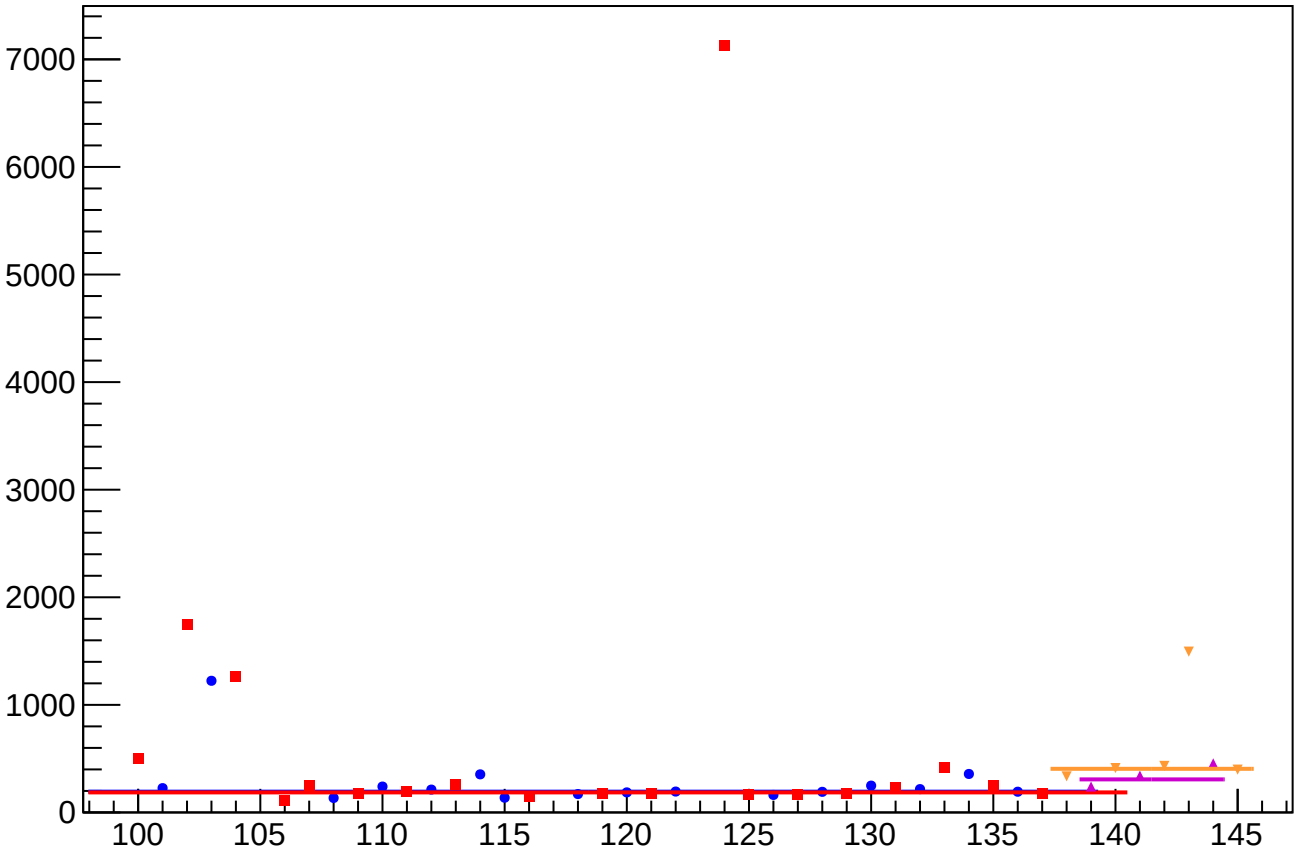
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.055+/-0.200 χ^2/NDF:7.8/2

+ sign 0.011+/-0.074 χ^2/NDF: 22.3/20

All: -0.012+/-0.052 χ^2/NDF: 53.5/42

- sign -0.035+/-0.073 χ^2/NDF: 31.0/21



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 405.739+/-0.163 χ^2/NDF:934814.0/4

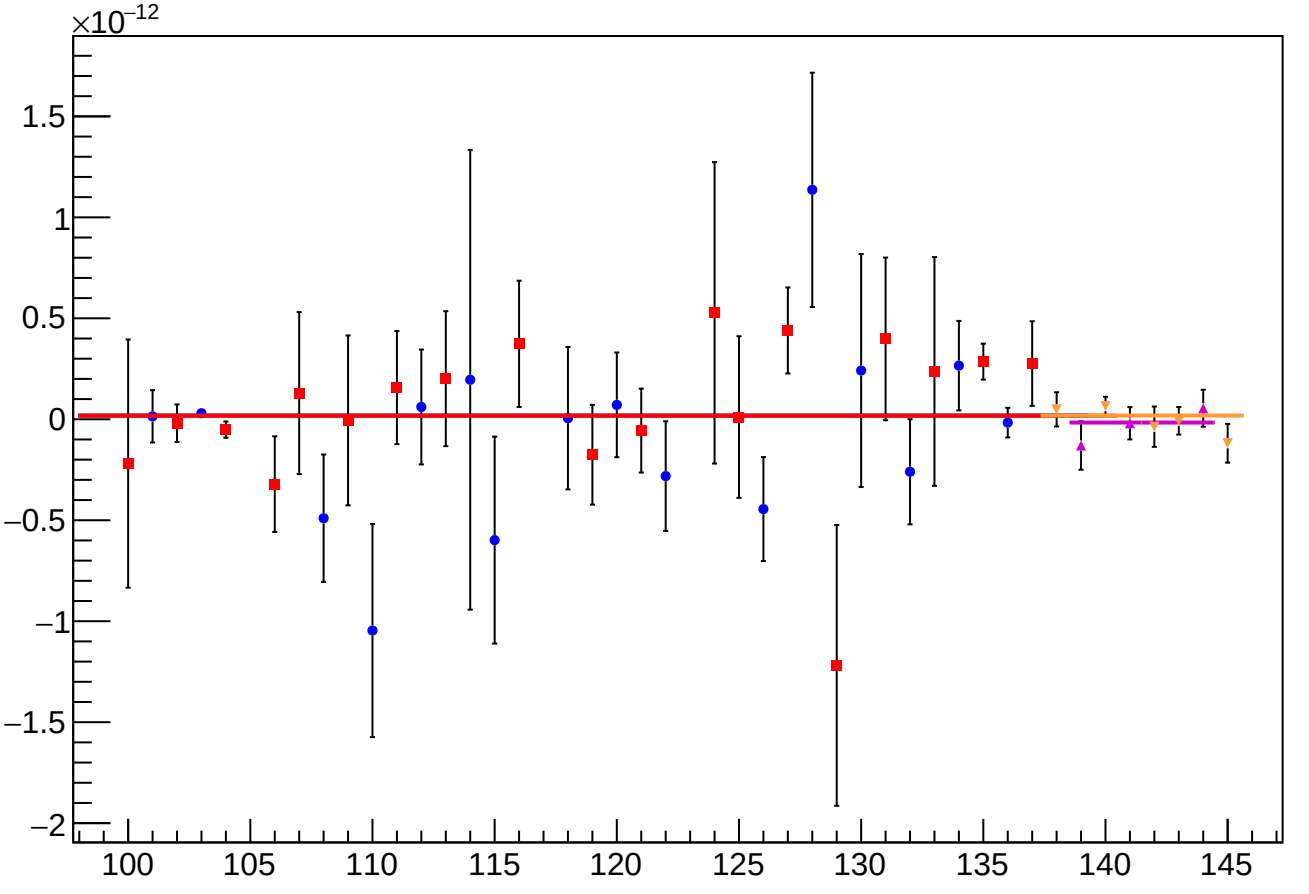
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 307.349+/-0.141 χ^2/NDF:325462.4/2

+ sign 214.906+/-0.052 χ^2/NDF: 3865735.5/20

All: 208.765+/-0.037 χ^2/NDF: 7333789.8/42

- sign 202.691+/-0.052 χ^2/NDF: 3440425.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/4

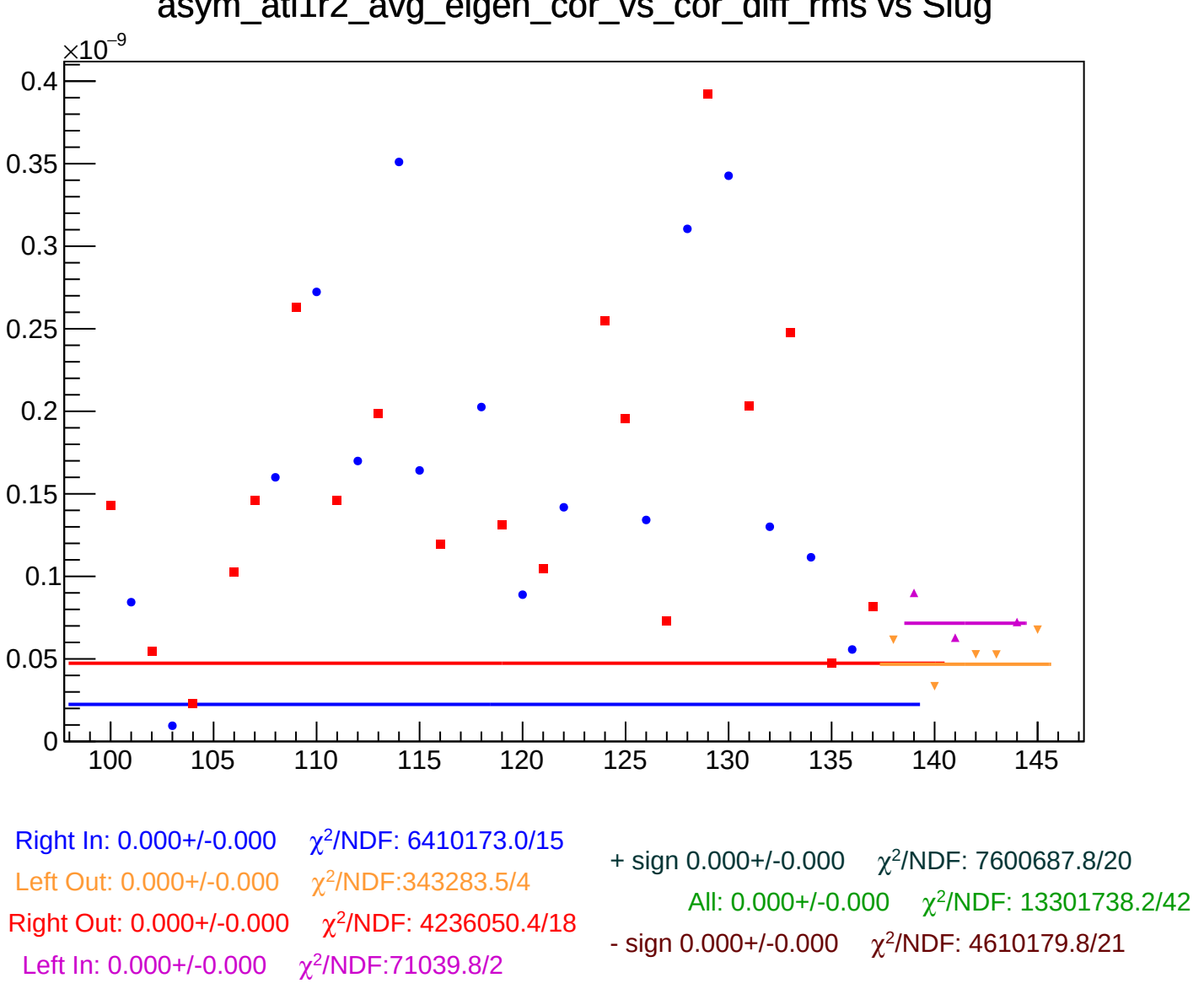
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/2

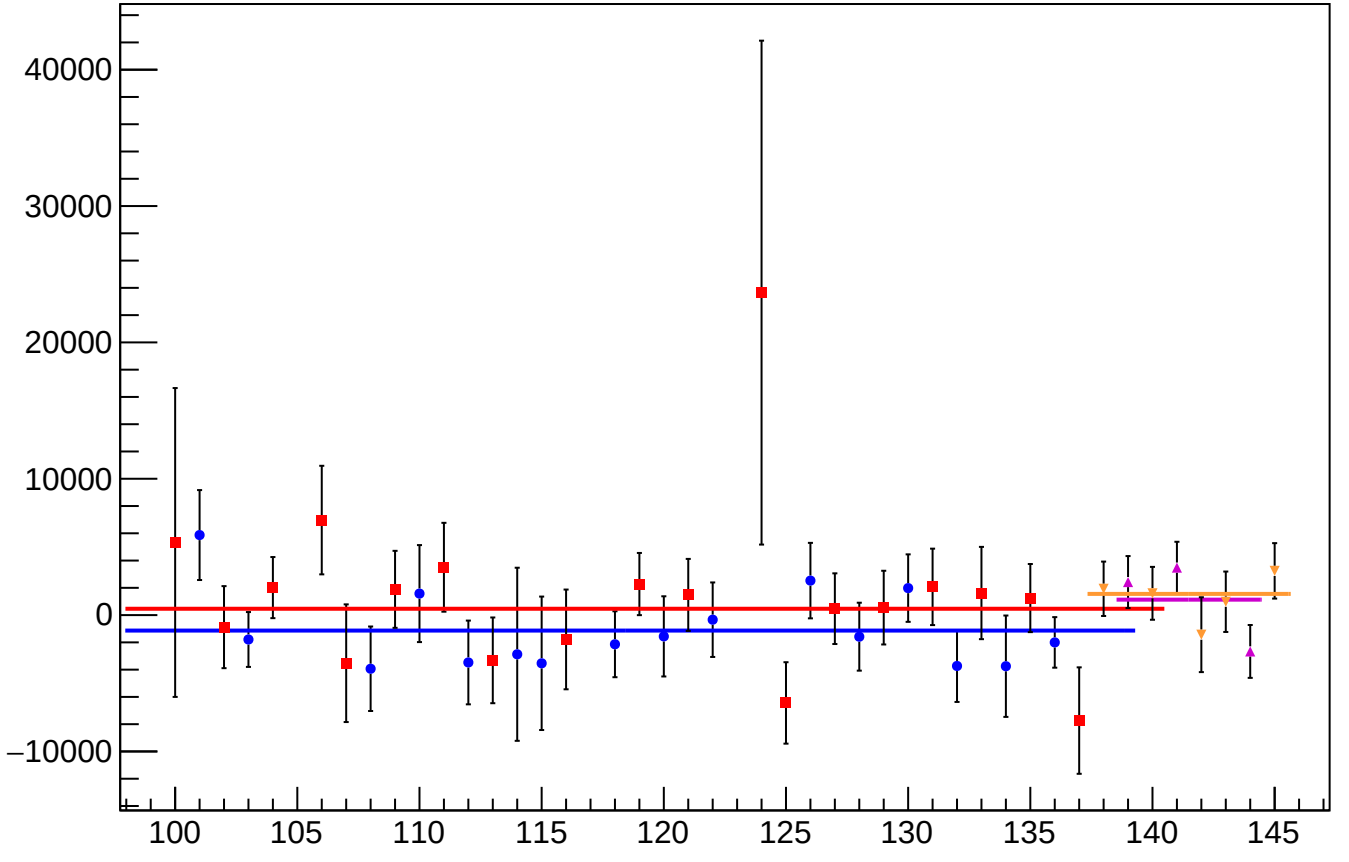
+ sign 0.000+/-0.000 χ^2/NDF: 23.0/20

All: 0.000+/-0.000 χ^2/NDF: 52.1/42

- sign 0.000+/-0.000 χ^2/NDF: 28.9/21


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
105
110
115
120
125
130
135
140
145
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:71039.8/2
+ sign 0.000+/-0.000 χ²/NDF: 7600687.8/20
All: 0.000+/-0.000 χ²/NDF: 13301738.2/42
- sign 0.000+/-0.000 χ²/NDF: 4610179.8/21

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

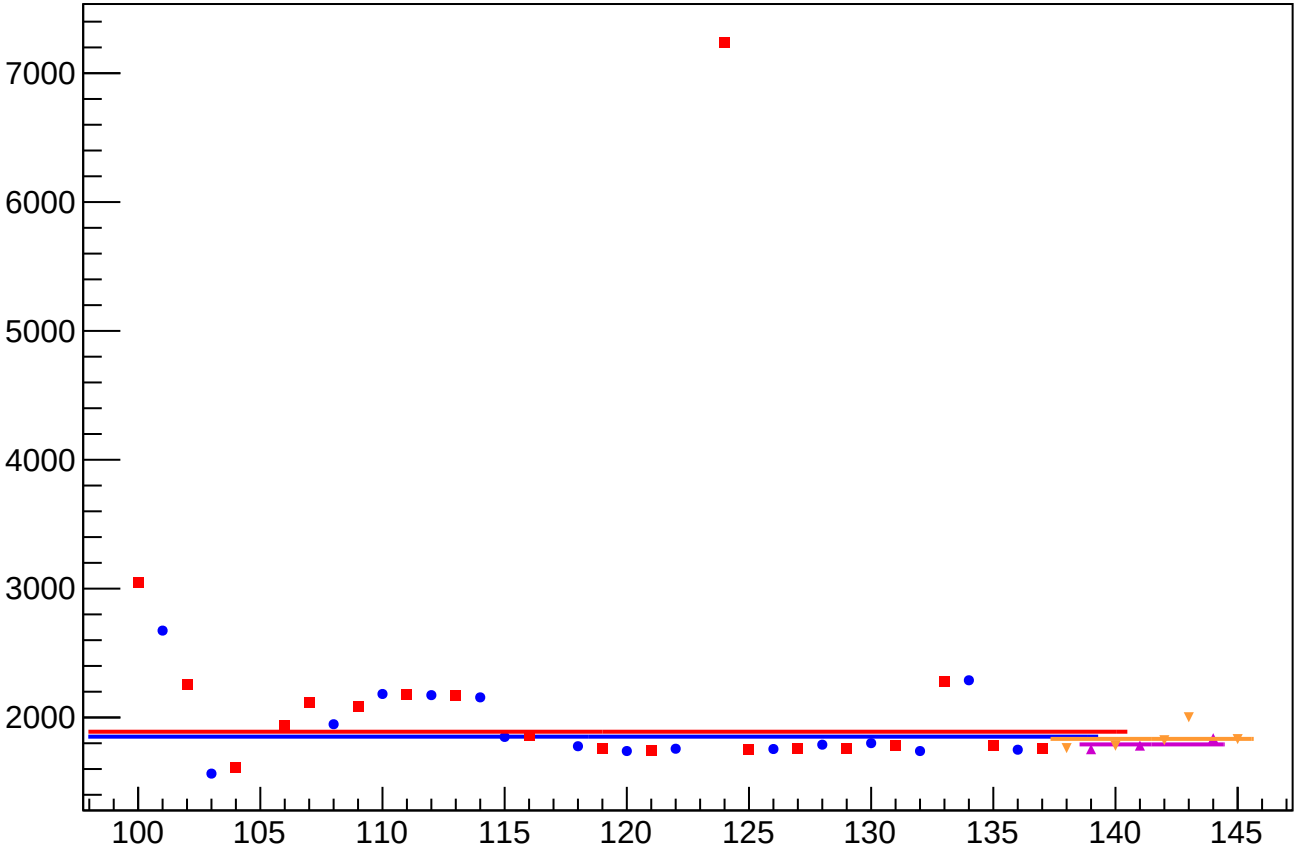
Left In: 1132.869+/-1104.192 χ^2/NDF:5.8/2

+ sign -205.856+/-561.363 χ^2/NDF: 19.4/20

All: 201.672+/-408.242 χ^2/NDF: 46.6/42

- sign 659.142+/-594.766 χ^2/NDF: 26.1/21

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

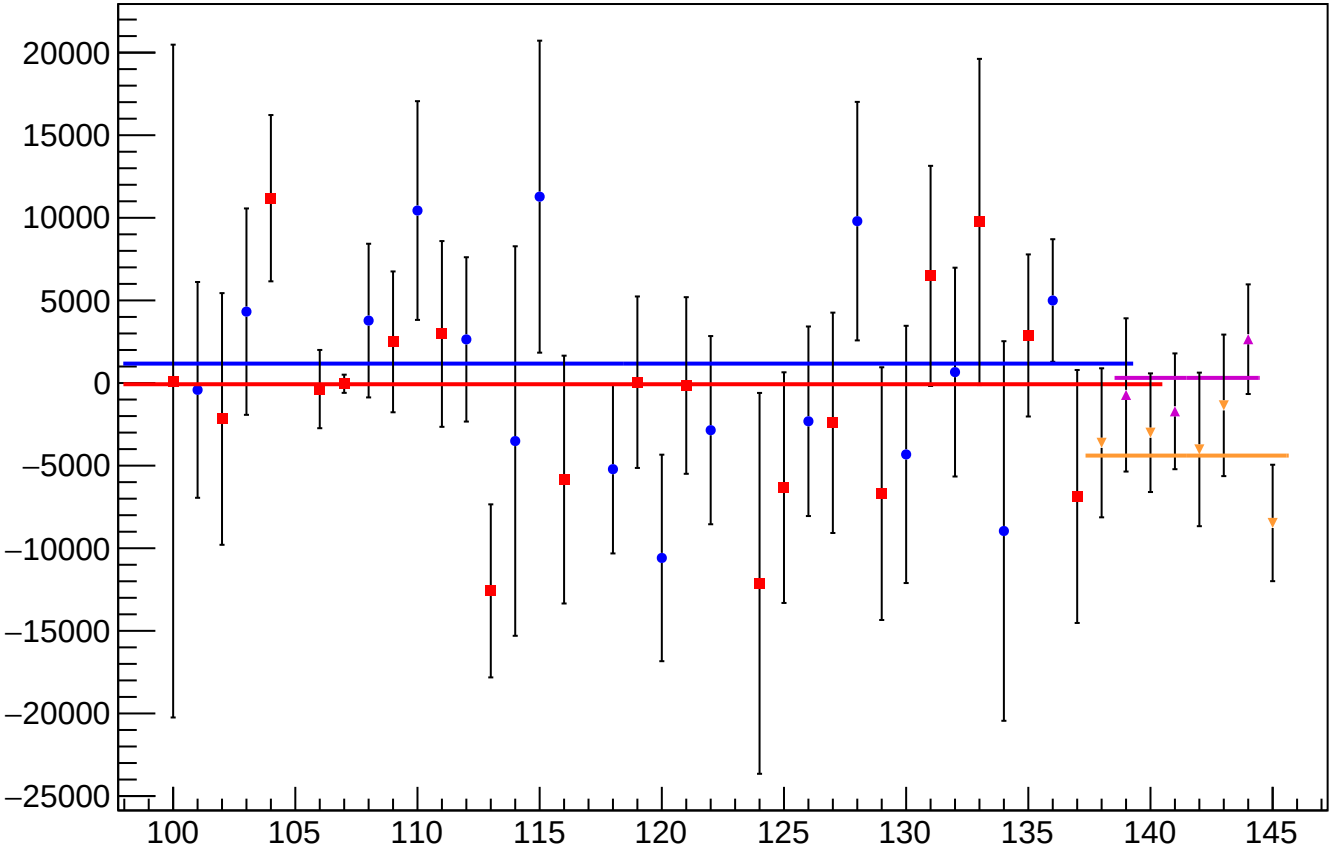
Left In: 1791.082+/-0.781 χ^2/NDF:2048.5/2

+ sign 1845.187+/-0.397 χ^2/NDF: 276000.8/20

All: 1852.678+/-0.288 χ^2/NDF: 649007.0/42

- sign 1861.059+/-0.420 χ^2/NDF: 372251.6/21

asym_atl1r2_dd_reg_correction_mean vs Slug



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

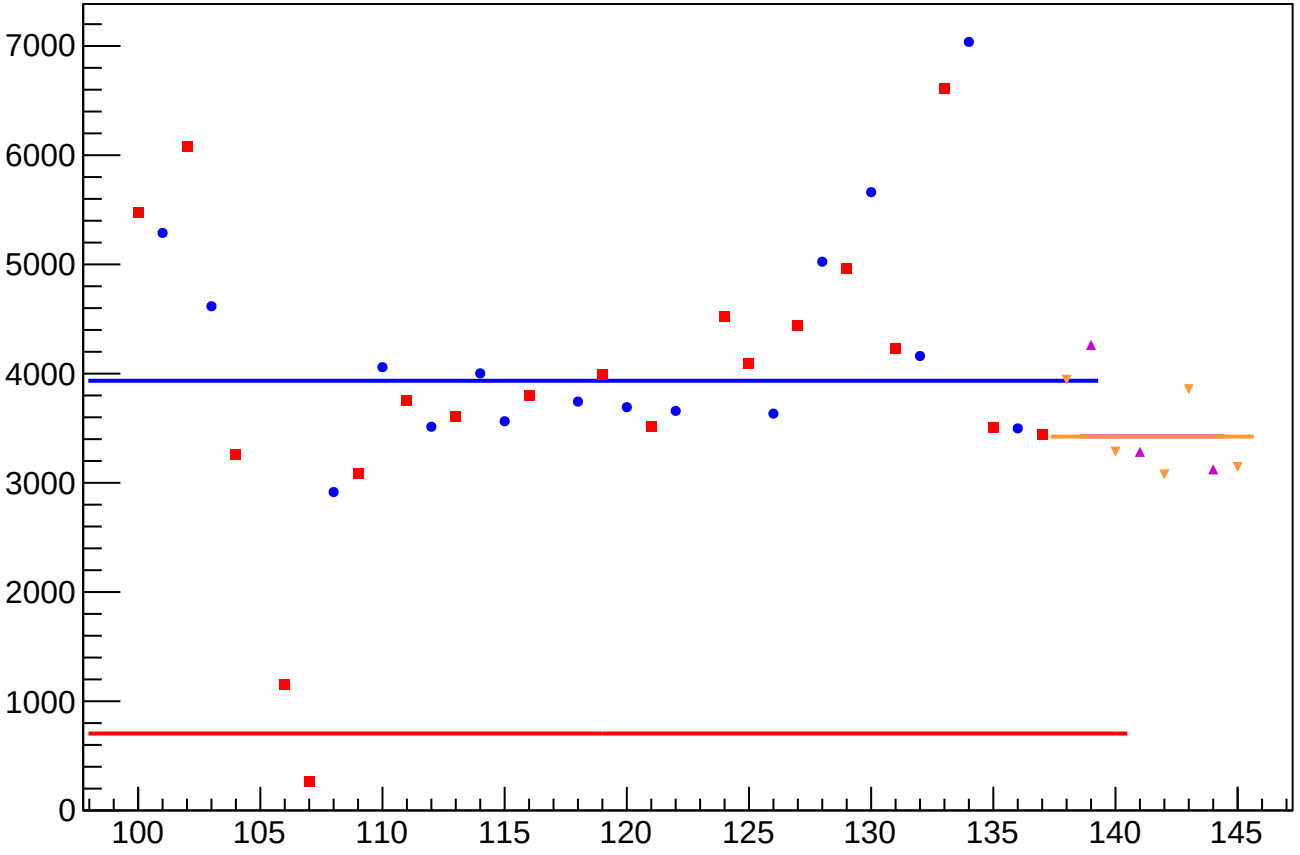
Left In: 311.441+/-2138.168 χ^2/NDF:0.9/2

+ sign -1107.316+/-1153.754 χ^2/NDF: 21.4/20

All: -214.725+/-452.660 χ^2/NDF: 40.9/42

- sign -52.333+/-492.117 χ^2/NDF: 18.8/21

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

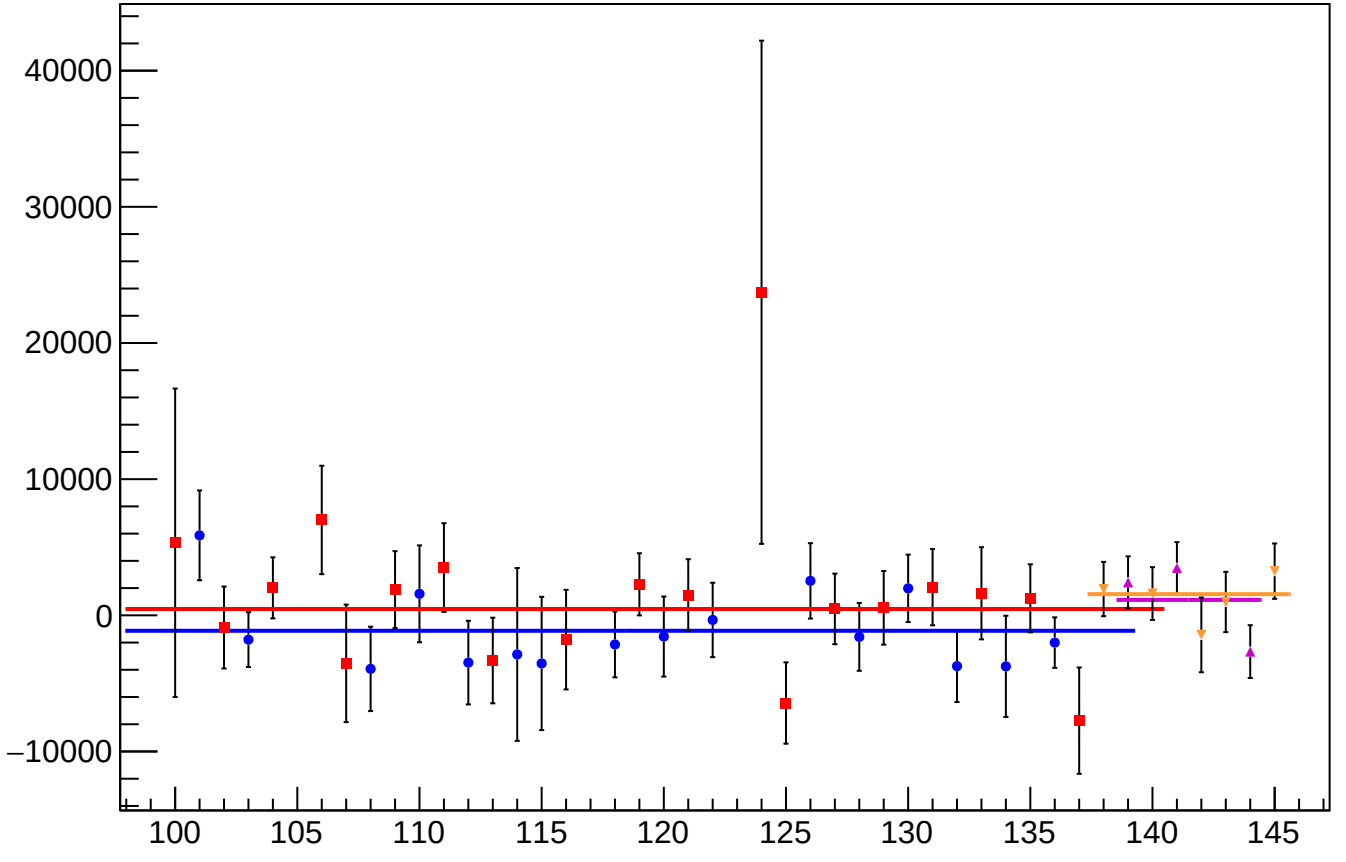
Left In: 3425.533+/-1.512 χ^2/NDF:85027.0/2

+ sign 3724.955+/-0.816 χ^2/NDF: 728832.2/20

All: 1291.294+/-0.320 χ^2/NDF: 25017796.2/4

- sign 848.532+/-0.348 χ^2/NDF: 13771371.2/21

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

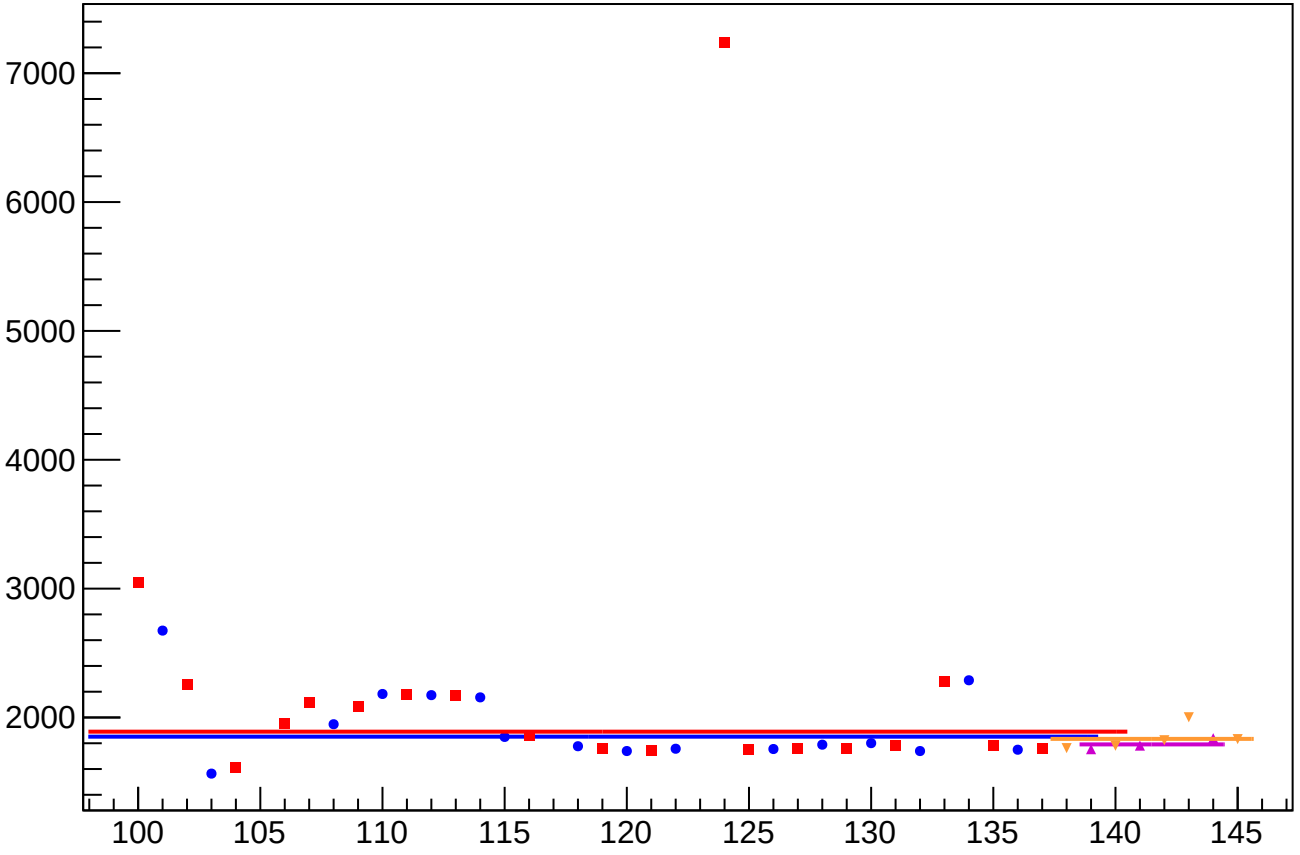
Left In: 1132.909+/-1104.192 χ^2/NDF:5.8/2

+ sign -205.551+/-561.363 χ^2/NDF: 19.4/20

All: 201.966+/-408.242 χ^2/NDF: 46.7/42

- sign 659.424+/-594.767 χ^2/NDF: 26.1/21

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

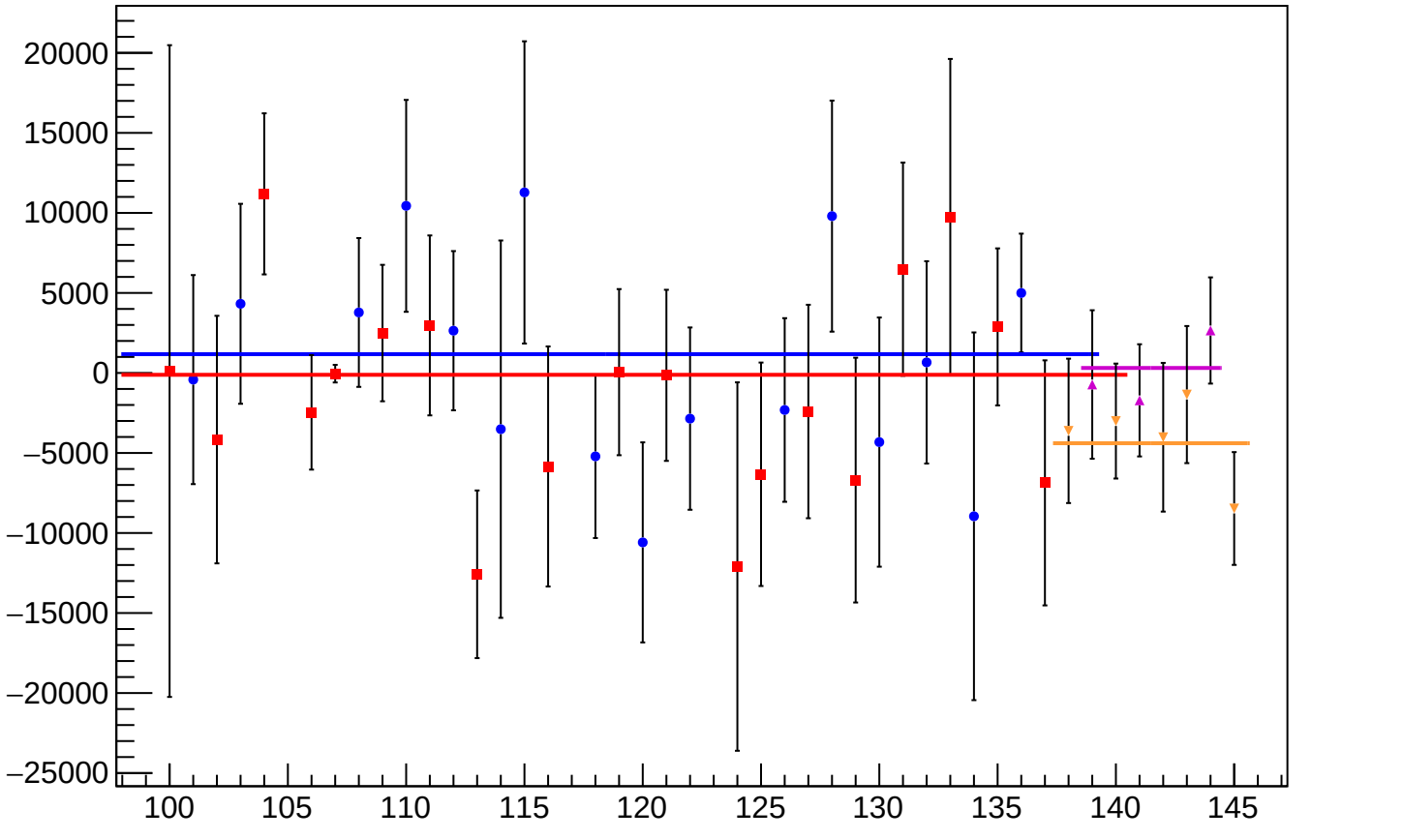
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1791.082+/-0.781 χ^2/NDF:2048.5/2

+ sign 1845.187+/-0.397 χ^2/NDF: 276000.0/20

All: 1852.826+/-0.288 χ^2/NDF: 649360.0/42

- sign 1861.375+/-0.420 χ^2/NDF: 372575.2/21



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

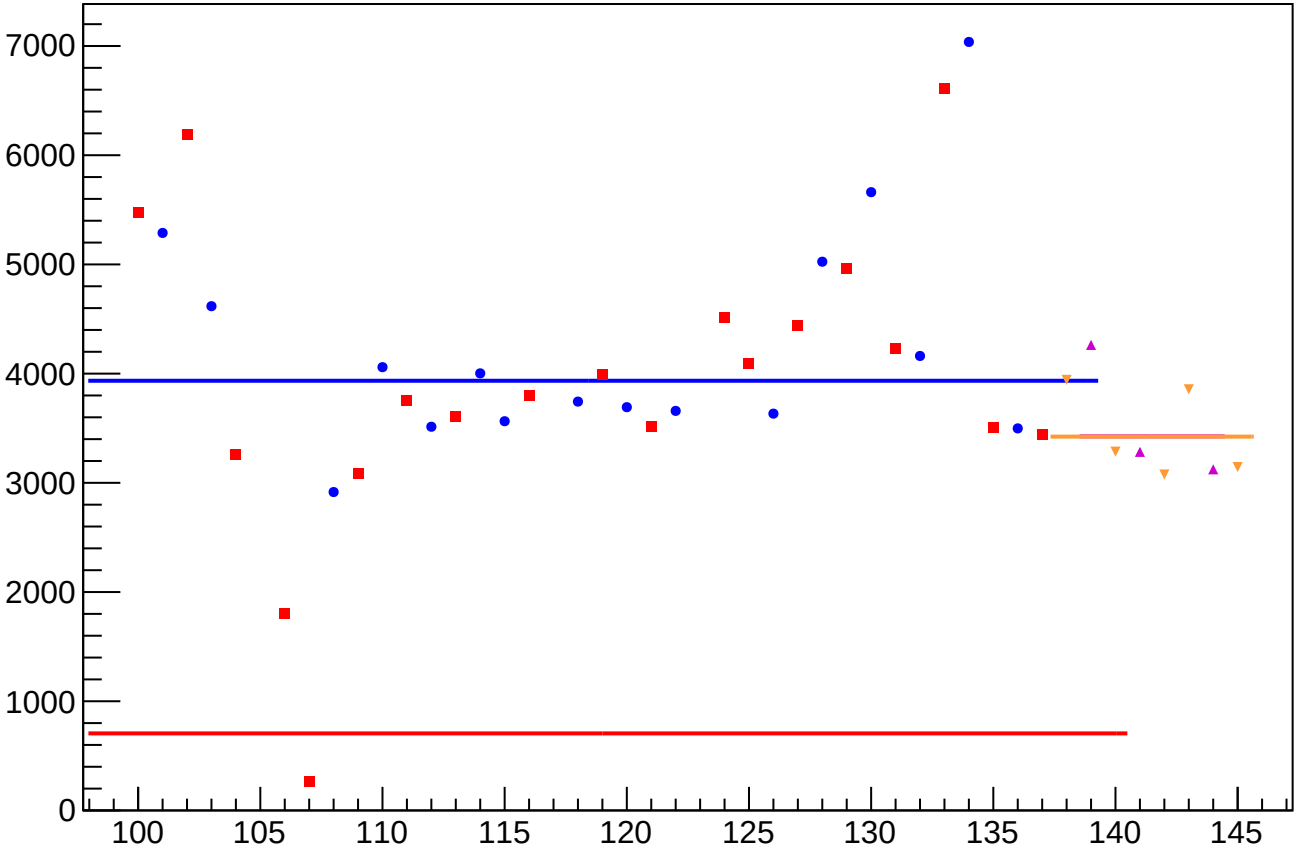
Left In: 311.420+/-2138.166 χ^2/NDF:0.9/2

+ sign -1107.306+/-1153.755 χ^2/NDF: 21.4/20

All: -252.159+/-457.372 χ^2/NDF: 41.5/42

- sign -92.717+/-498.189 χ^2/NDF: 19.5/21

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

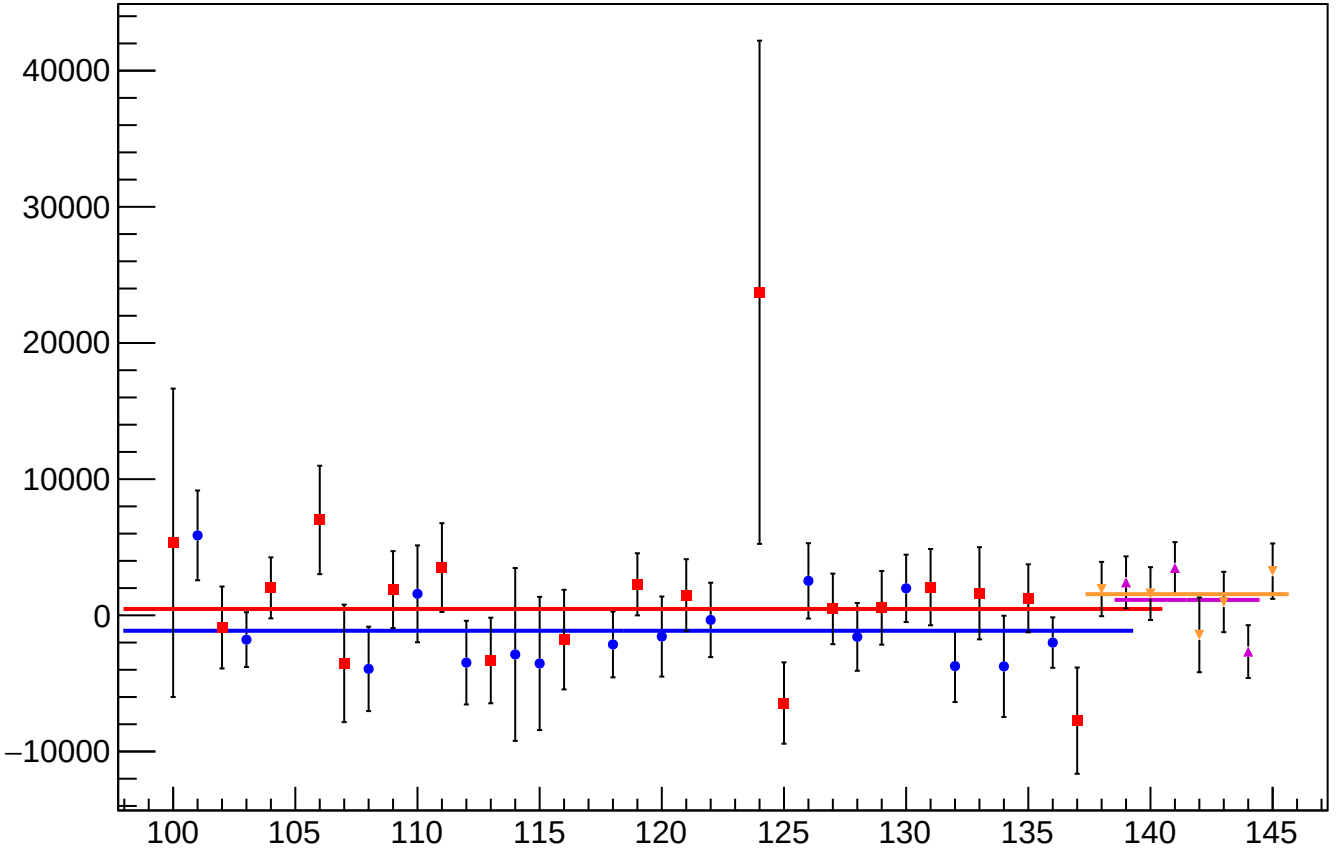
Left In: 3425.530+/-1.512 χ^2/NDF:85026.1/2

+ sign 3724.952+/-0.816 χ^2/NDF: 728867.8/20

All: 1304.561+/-0.323 χ^2/NDF: 25064719.9/

- sign 853.279+/-0.352 χ^2/NDF: 13892894.9/21

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

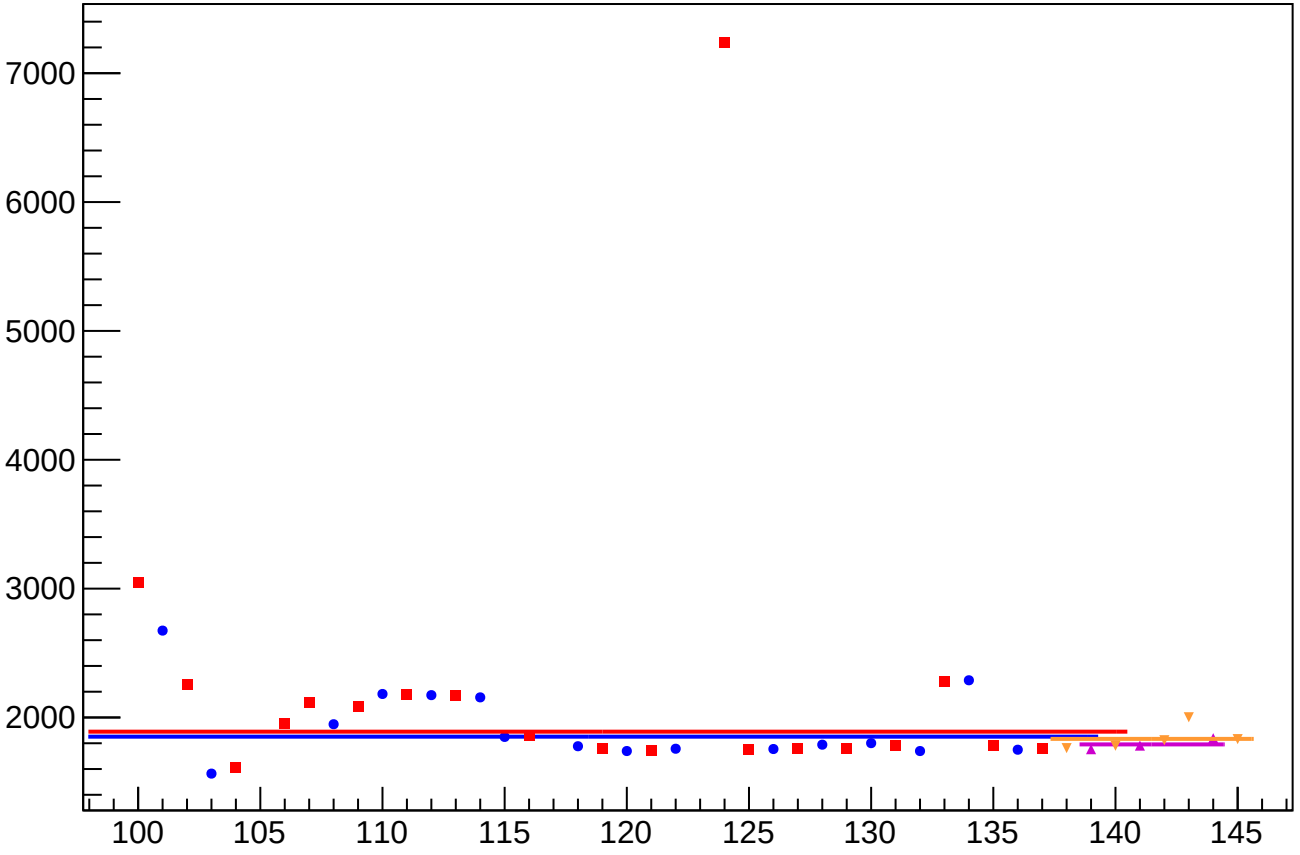
Left In: 1132.909+/-1104.192 χ^2/NDF:5.8/2

+ sign -205.551+/-561.363 χ^2/NDF: 19.4/20

All: 201.966+/-408.242 χ^2/NDF: 46.7/42

- sign 659.424+/-594.767 χ^2/NDF: 26.1/21

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

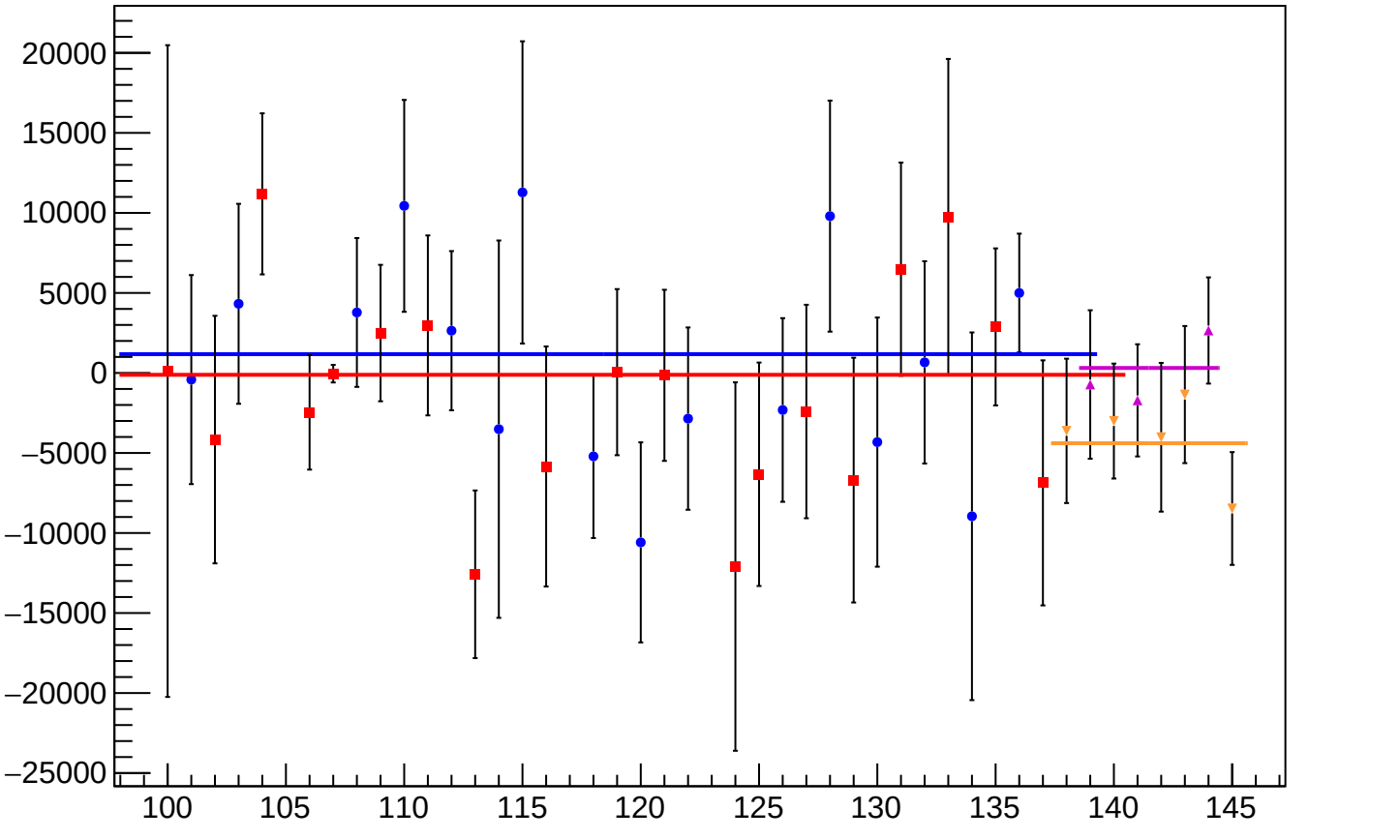
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1791.082+/-0.781 χ^2/NDF:2048.5/2

\+ sign 1845.187+/-0.397 χ^2/NDF: 276000.0/20

All: 1852.826+/-0.288 χ^2/NDF: 649360.0/42

\- sign 1861.375+/-0.420 χ^2/NDF: 372575.2/21



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

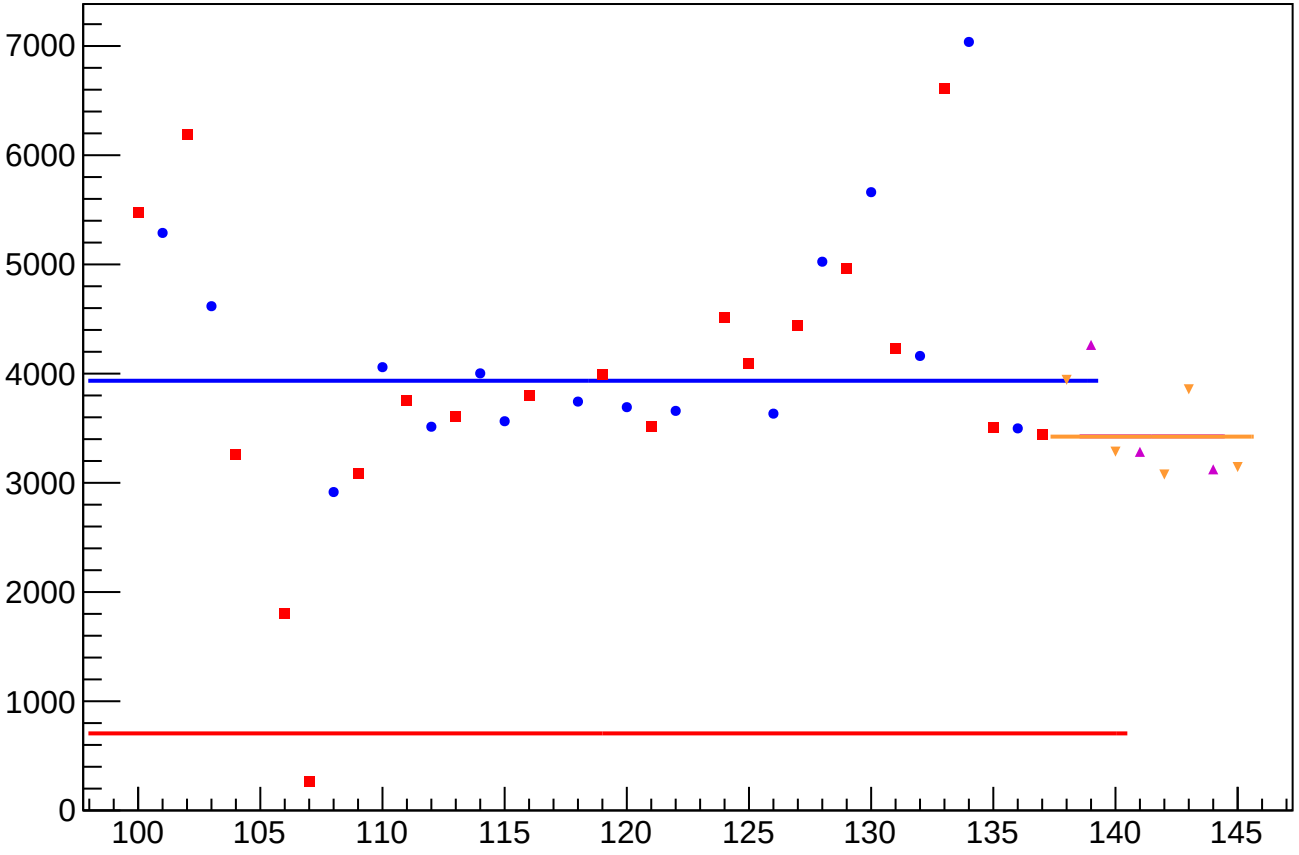
Left In: 311.420+/-2138.166 χ^2/NDF:0.9/2

+ sign -1107.306+/-1153.755 χ^2/NDF: 21.4/20

All: -252.159+/-457.372 χ^2/NDF: 41.5/42

- sign -92.717+/-498.189 χ^2/NDF: 19.5/21

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

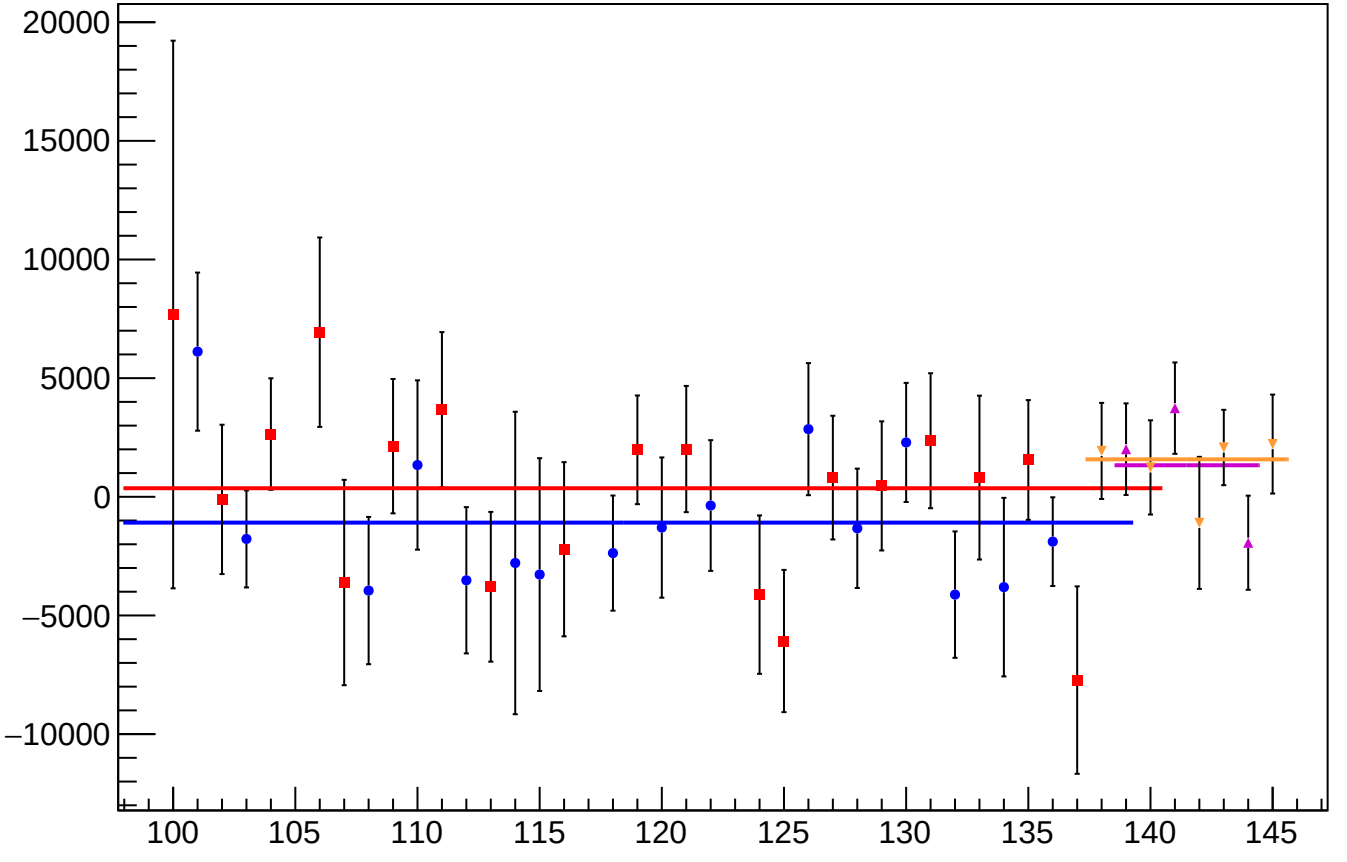
Left In: 3425.530+/-1.512 χ^2/NDF:85026.1/2

+ sign 3724.952+/-0.816 χ^2/NDF: 728867.8/20

All: 1304.561+/-0.323 χ^2/NDF: 25064719.9/

- sign 853.279+/-0.352 χ^2/NDF: 13892894.9/21

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

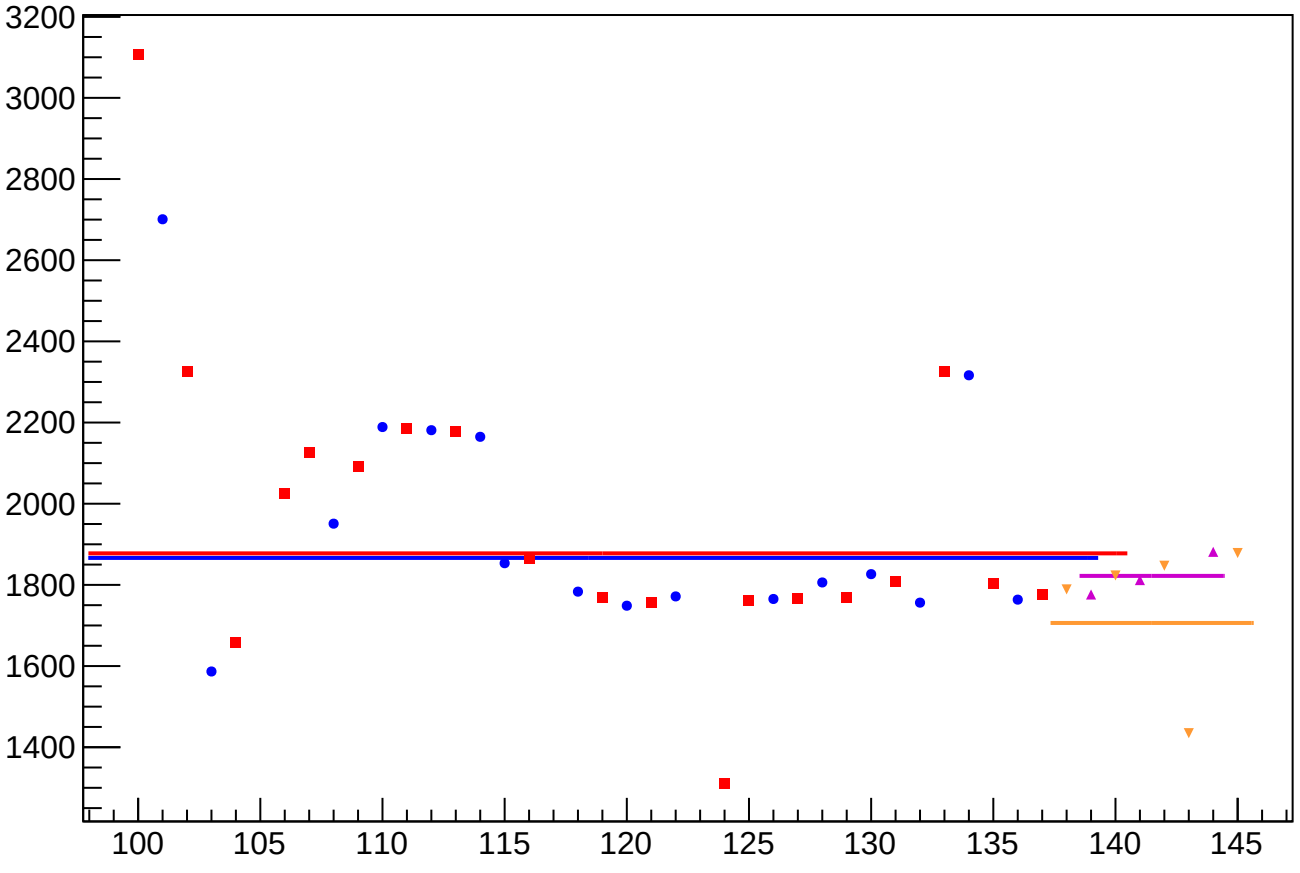
Left In: 1329.789+/-1123.483 χ^2/NDF:4.4/2

+ sign -73.799+/-550.767 χ^2/NDF: 19.9/20

All: 252.484+/-403.843 χ^2/NDF: 46.4/42

- sign 631.888+/-593.911 χ^2/NDF: 25.8/21

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

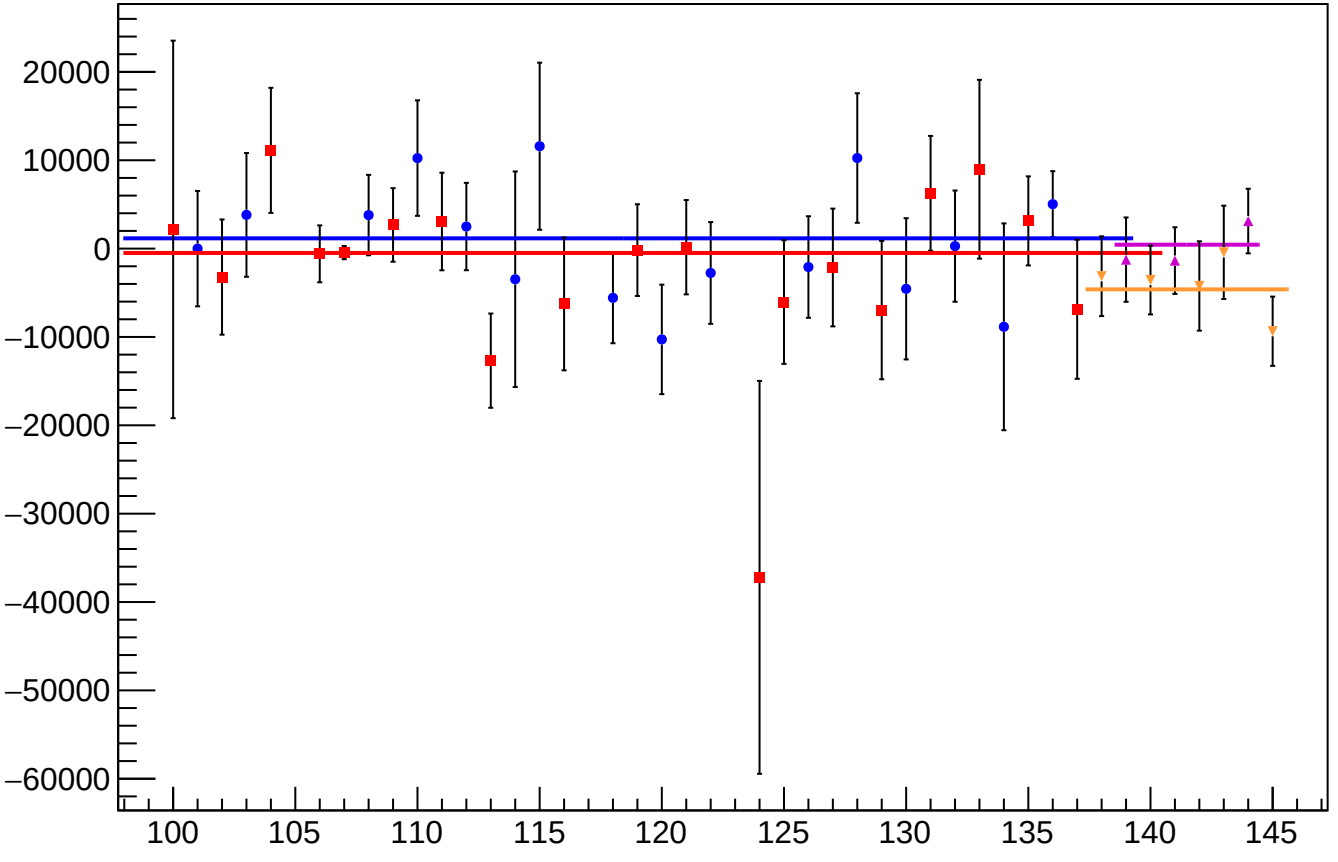
Left In: 1822.170+/-0.794 χ^2/NDF:2974.8/2

+ sign 1805.524+/-0.389 χ^2/NDF: 383757.9/20

All: 1831.732+/-0.285 χ^2/NDF: 651888.2/42

- sign 1862.171+/-0.420 χ^2/NDF: 258342.3/21

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

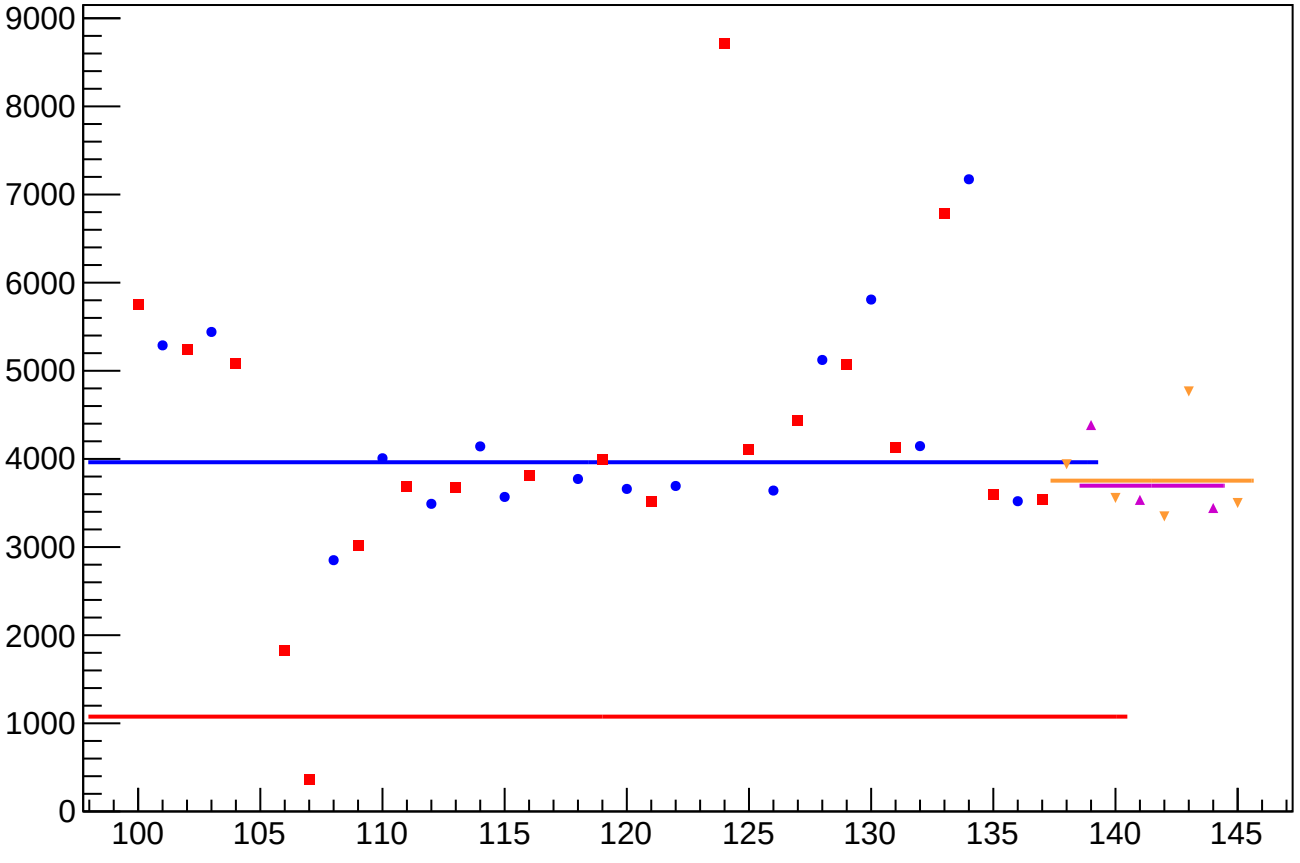
Left In: 440.939+/-2300.522 χ^2/NDF:0.9/2

\+ sign -968.867+/-1201.573 χ^2/NDF: 21.3/20

All: -540.971+/-560.098 χ^2/NDF: 39.5/42

\- sign -422.186+/-633.085 χ^2/NDF: 18.0/21

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

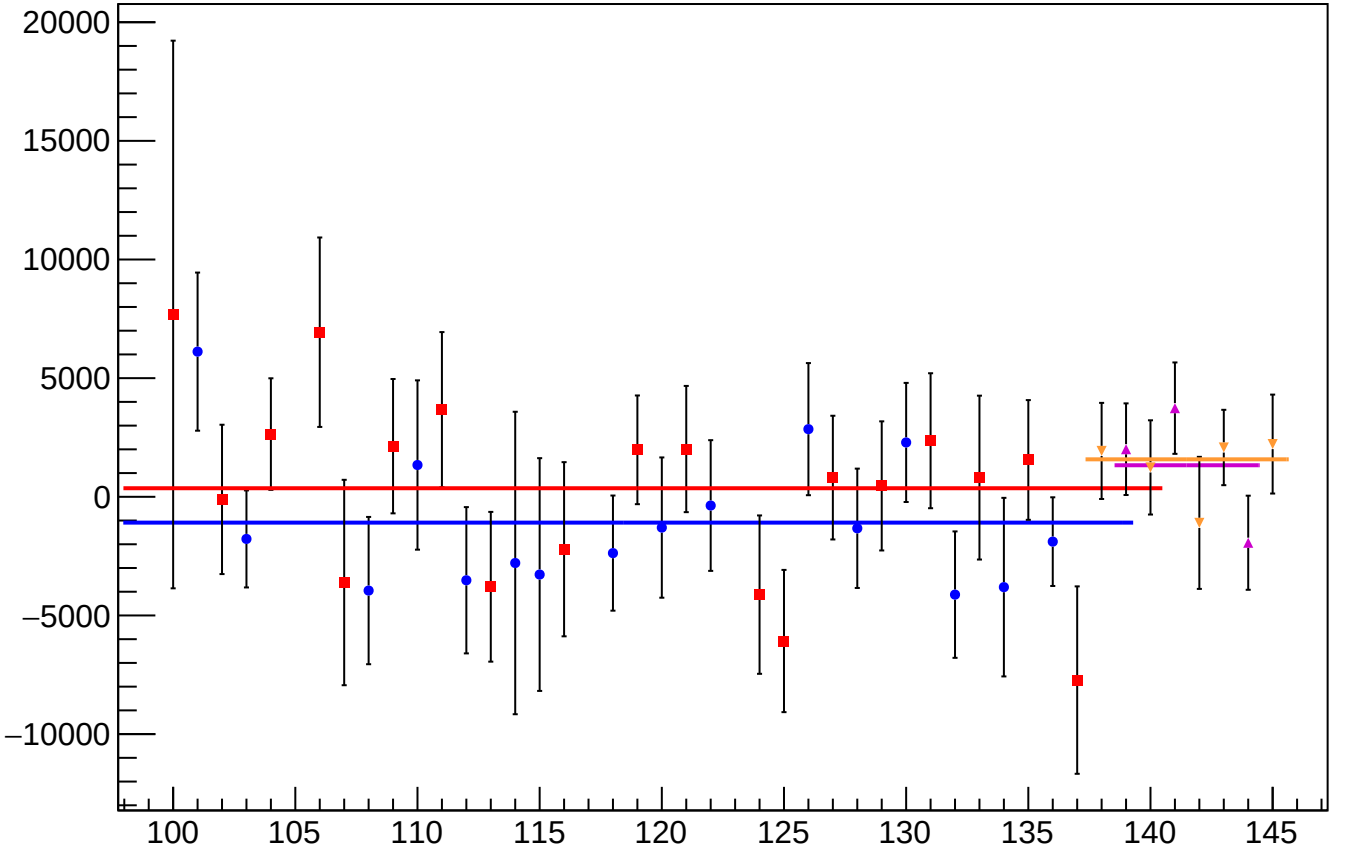
Left In: 3696.167+/-1.627 χ^2/NDF:54802.3/2

+ sign 3885.374+/-0.850 χ^2/NDF: 785598.7/20

All: 1841.712+/-0.396 χ^2/NDF: 20188445.5/4

- sign 1274.387+/-0.448 χ^2/NDF: 12011167.3/21

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

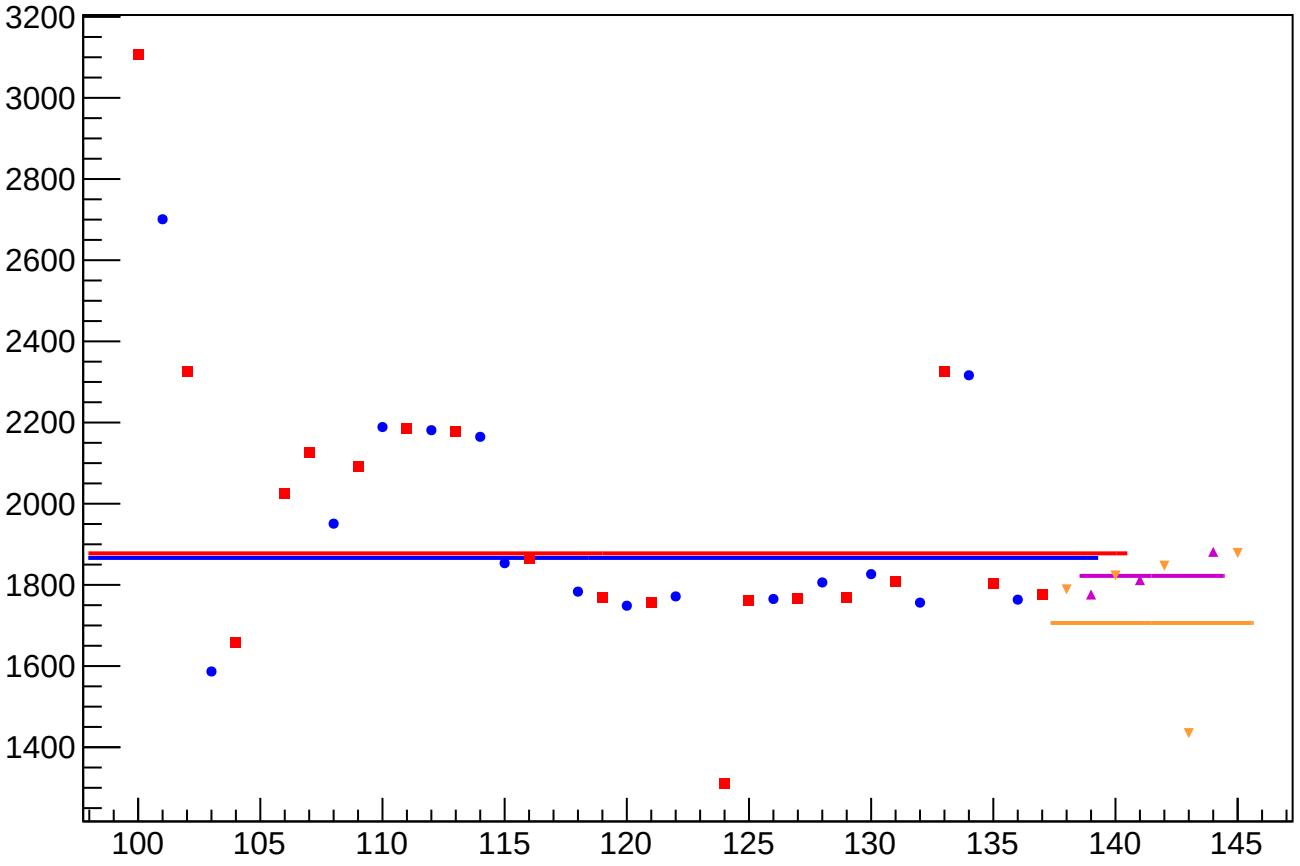
Left In: 1329.780+/-1123.483 χ^2/NDF:4.4/2

+ sign -73.808+/-550.767 χ^2/NDF: 19.9/20

All: 252.480+/-403.843 χ^2/NDF: 46.4/42

- sign 631.890+/-593.911 χ^2/NDF: 25.8/21

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

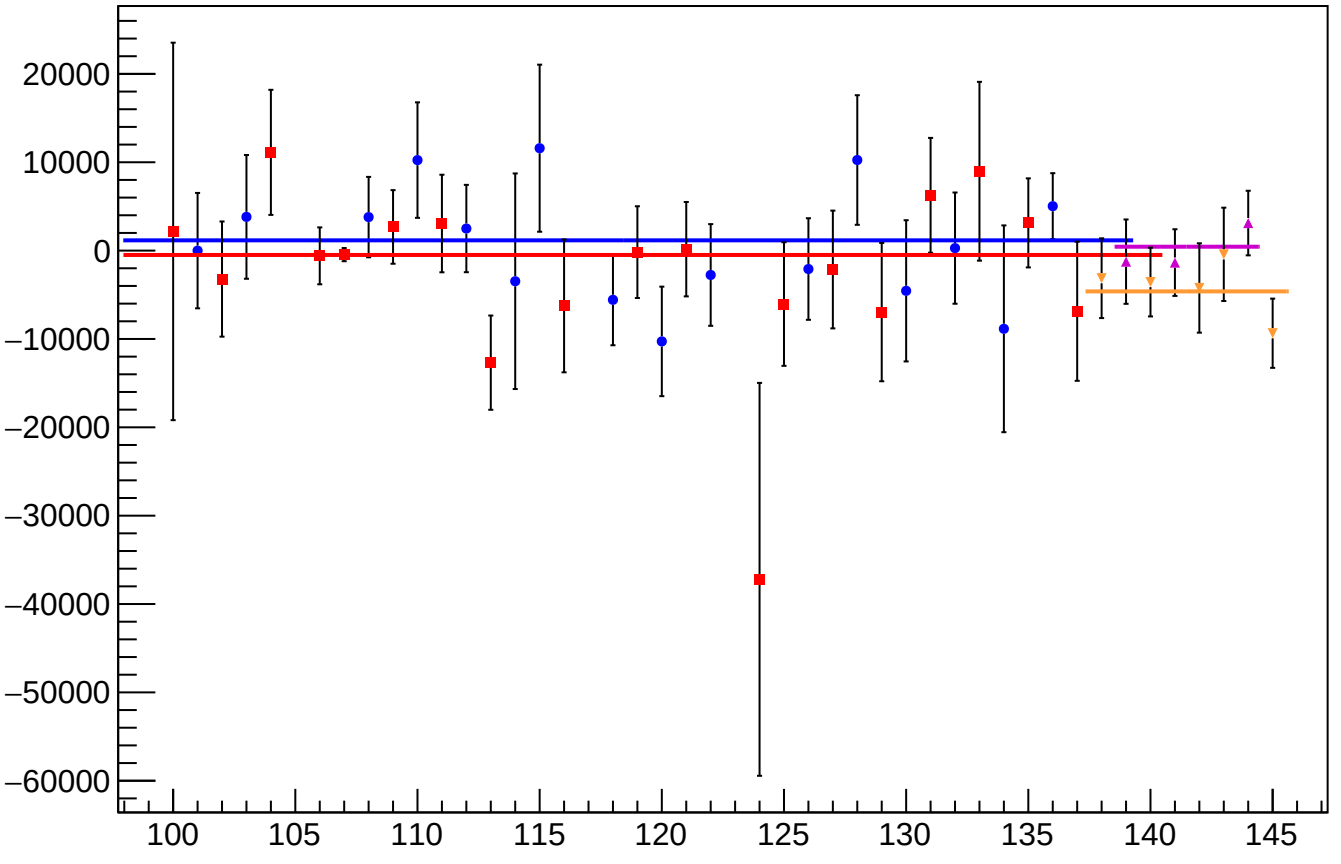
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1822.170+/-0.794 χ^2/NDF:2974.8/2

+ sign 1805.525+/-0.389 χ^2/NDF: 383756.1/20

All: 1831.733+/-0.285 χ^2/NDF: 651886.6/42

- sign 1862.171+/-0.420 χ^2/NDF: 258342.5/21



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -4616.642+/-1978.980 χ^2/NDF:2.3/4

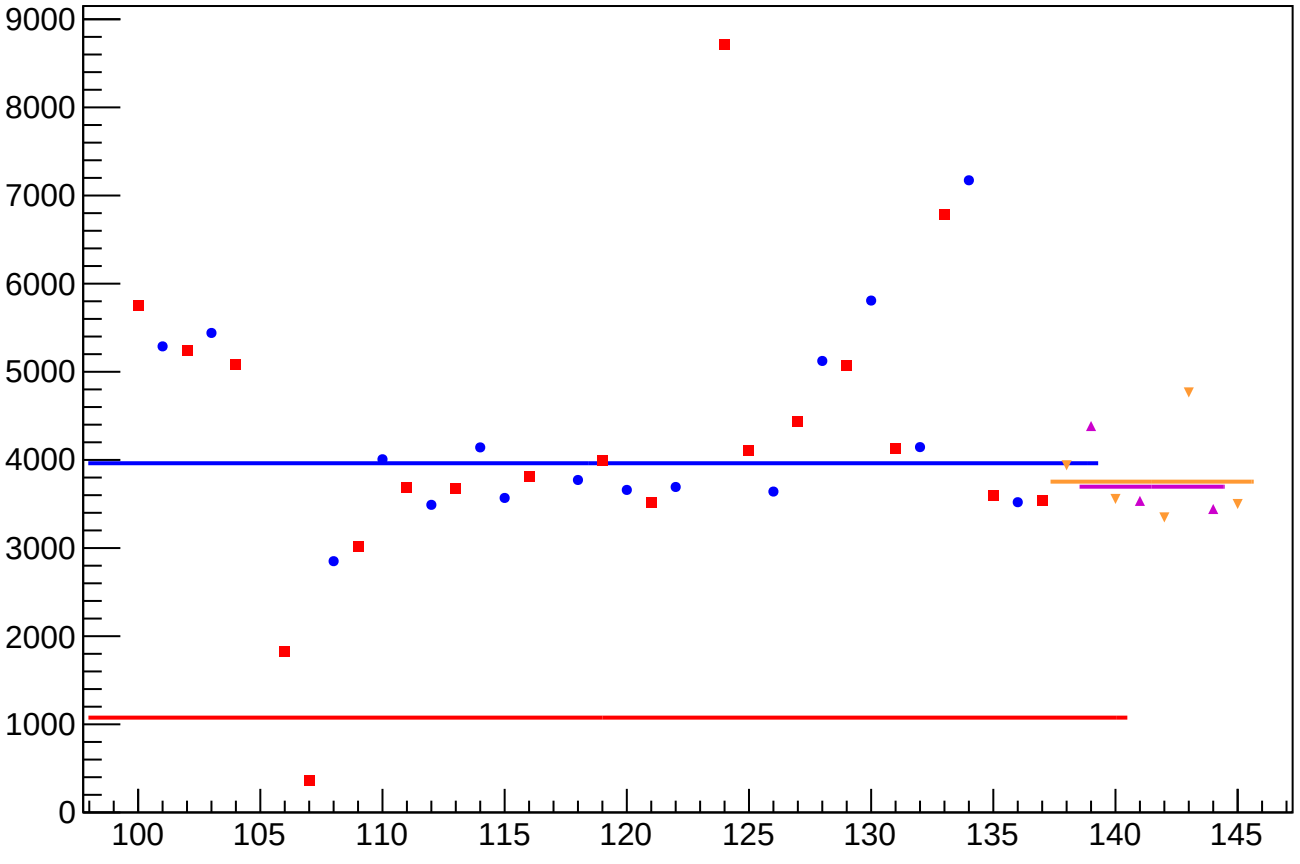
Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: 440.930+/-2300.524 χ^2/NDF:0.9/2

+ sign -968.875+/-1201.572 χ^2/NDF: 21.3/20

All: -540.980+/-560.105 χ^2/NDF: 39.5/42

- sign -422.192+/-633.094 χ^2/NDF: 18.0/21



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3753.520+/-1.399 χ^2/NDF:103194.8/4

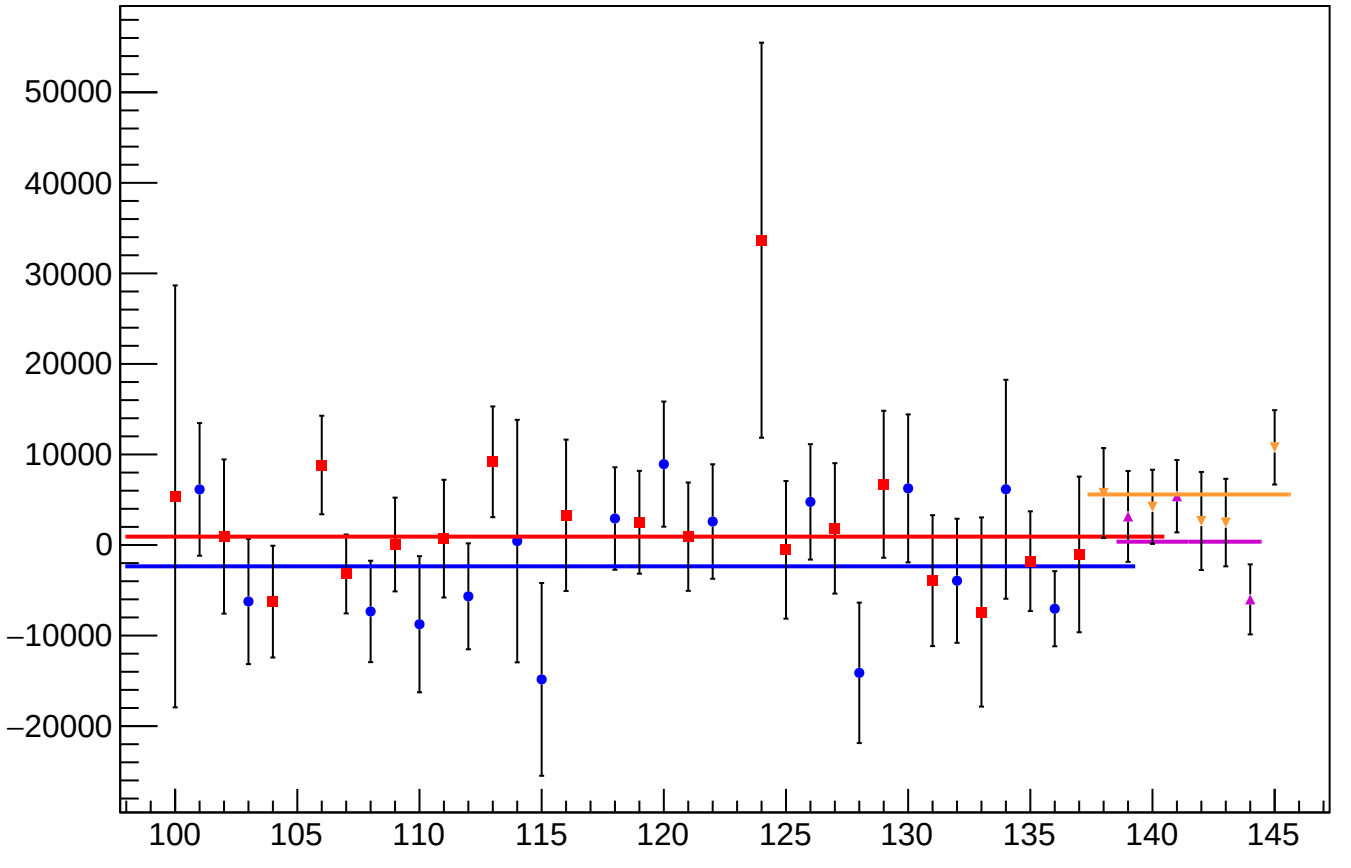
Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3696.169+/-1.627 χ^2/NDF:54803.1/2

+ sign 3885.371+/-0.850 χ^2/NDF: 785592.9/20

All: 1841.753+/-0.396 χ^2/NDF: 20188000.4/4

- sign 1274.421+/-0.448 χ^2/NDF: 12010977.6/21



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

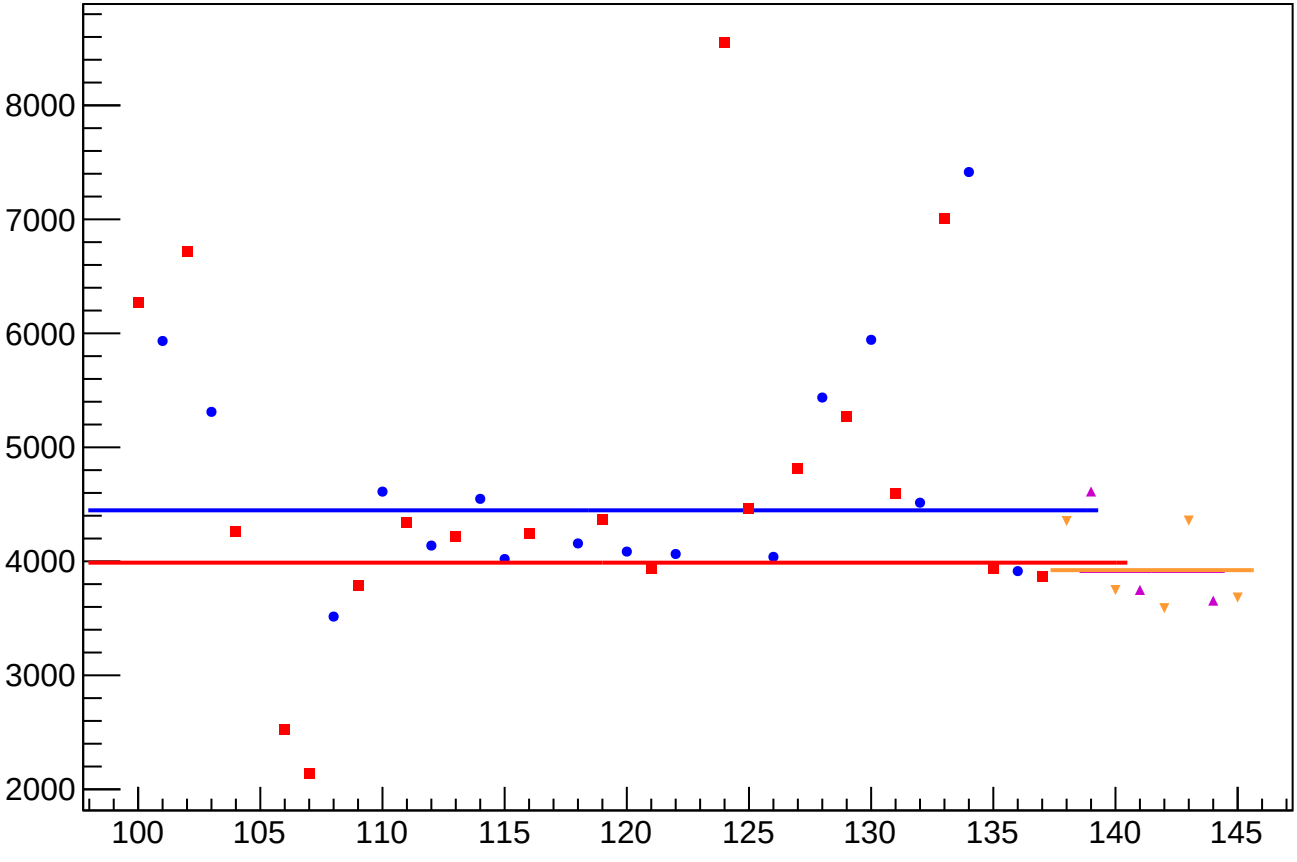
Left In: 366.901+/-2430.970 χ^2/NDF:4.6/2

\+ sign 835.427+/-1303.143 χ^2/NDF: 26.9/20

All: 799.804+/-922.143 χ^2/NDF: 42.1/42

\- sign 764.076+/-1305.073 χ^2/NDF: 15.2/21

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

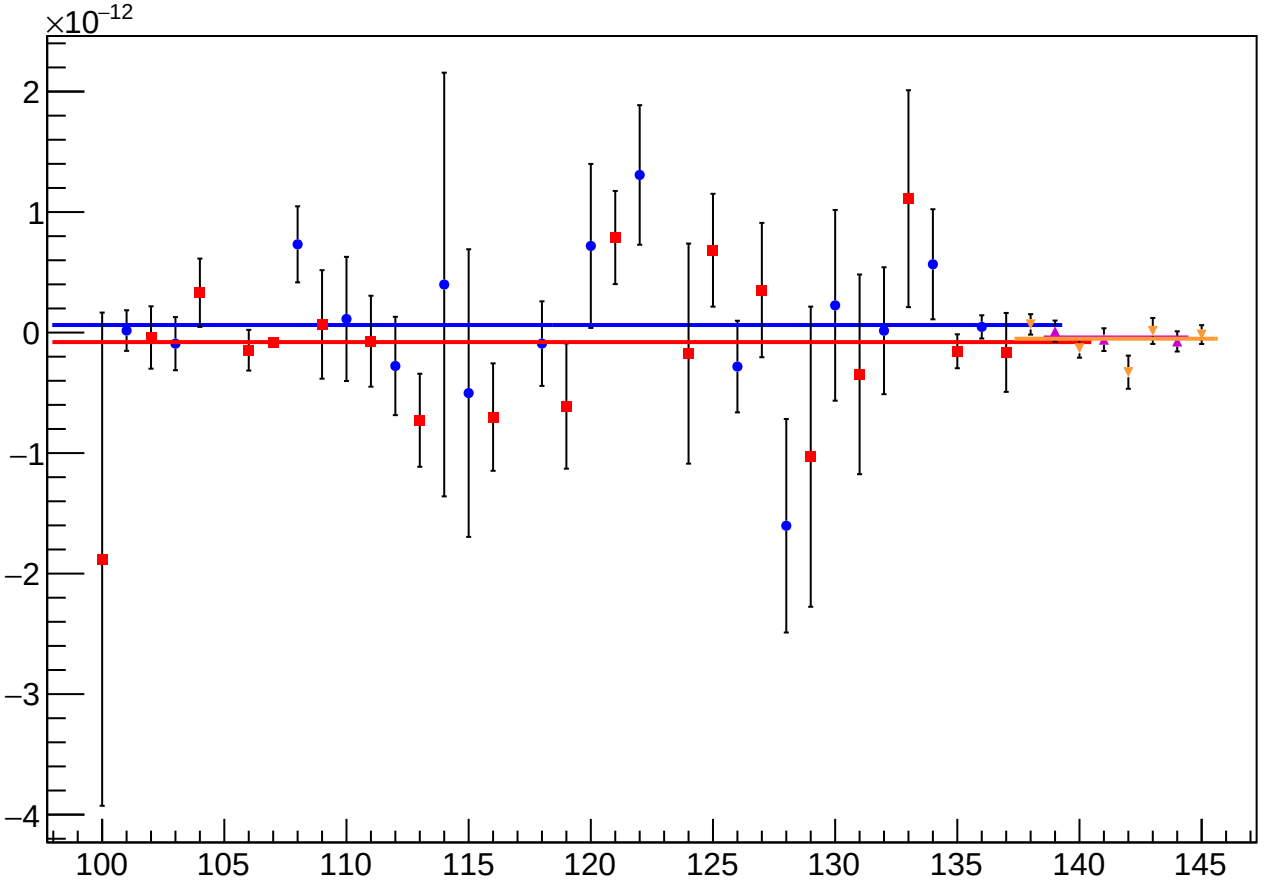
Left In: 3914.953+/-1.719 χ^2/NDF:51152.1/2

+ sign 4236.603+/-0.921 χ^2/NDF: 585545.0/20

All: 4101.255+/-0.650 χ^2/NDF: 1824839.3/42

- sign 3967.423+/-0.916 χ^2/NDF: 1196386.0/21

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

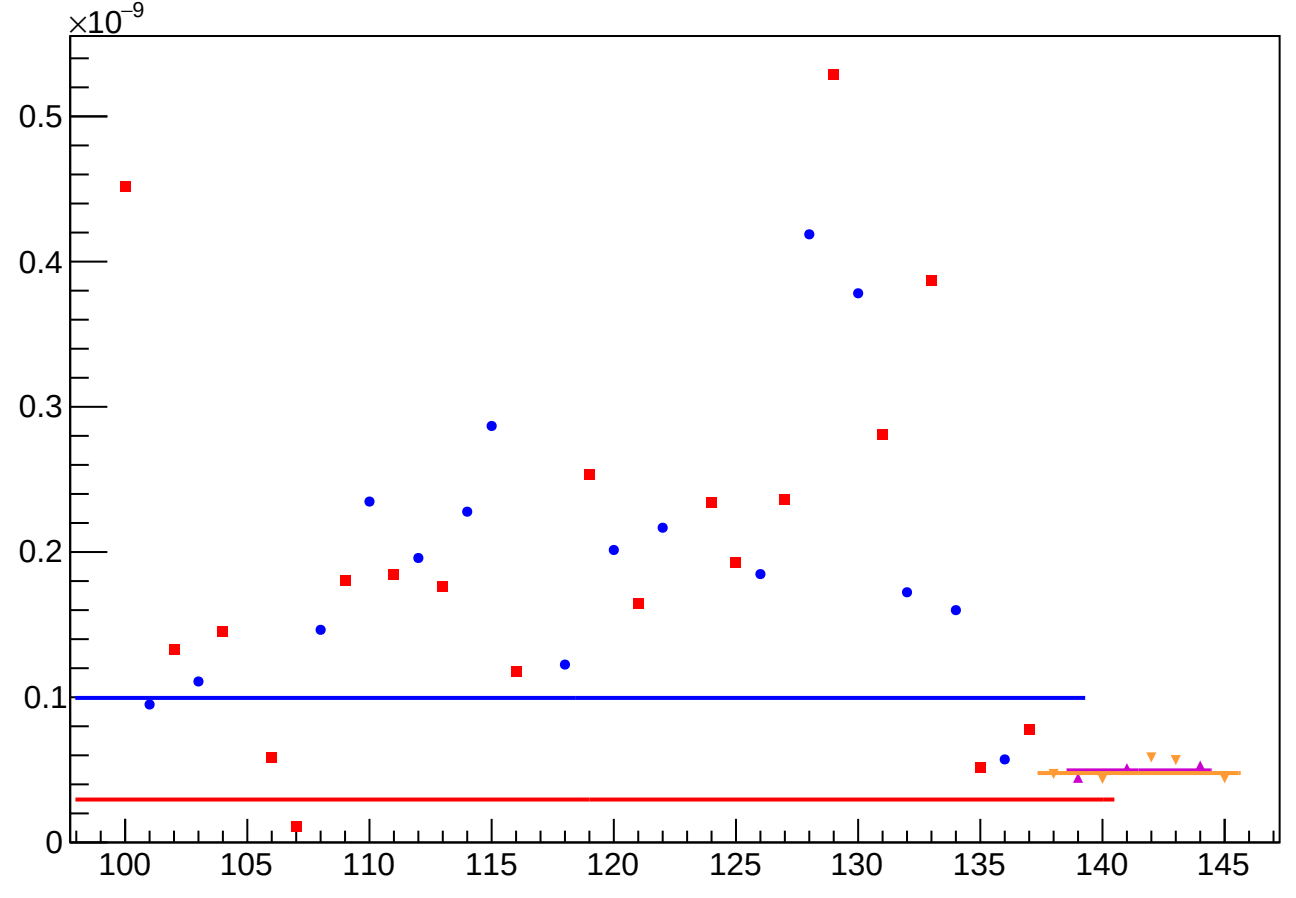
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/2

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/20

All: -0.000+/-0.000 χ^2/NDF: 49.2/42

- sign -0.000+/-0.000 χ^2/NDF: 21.0/21



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

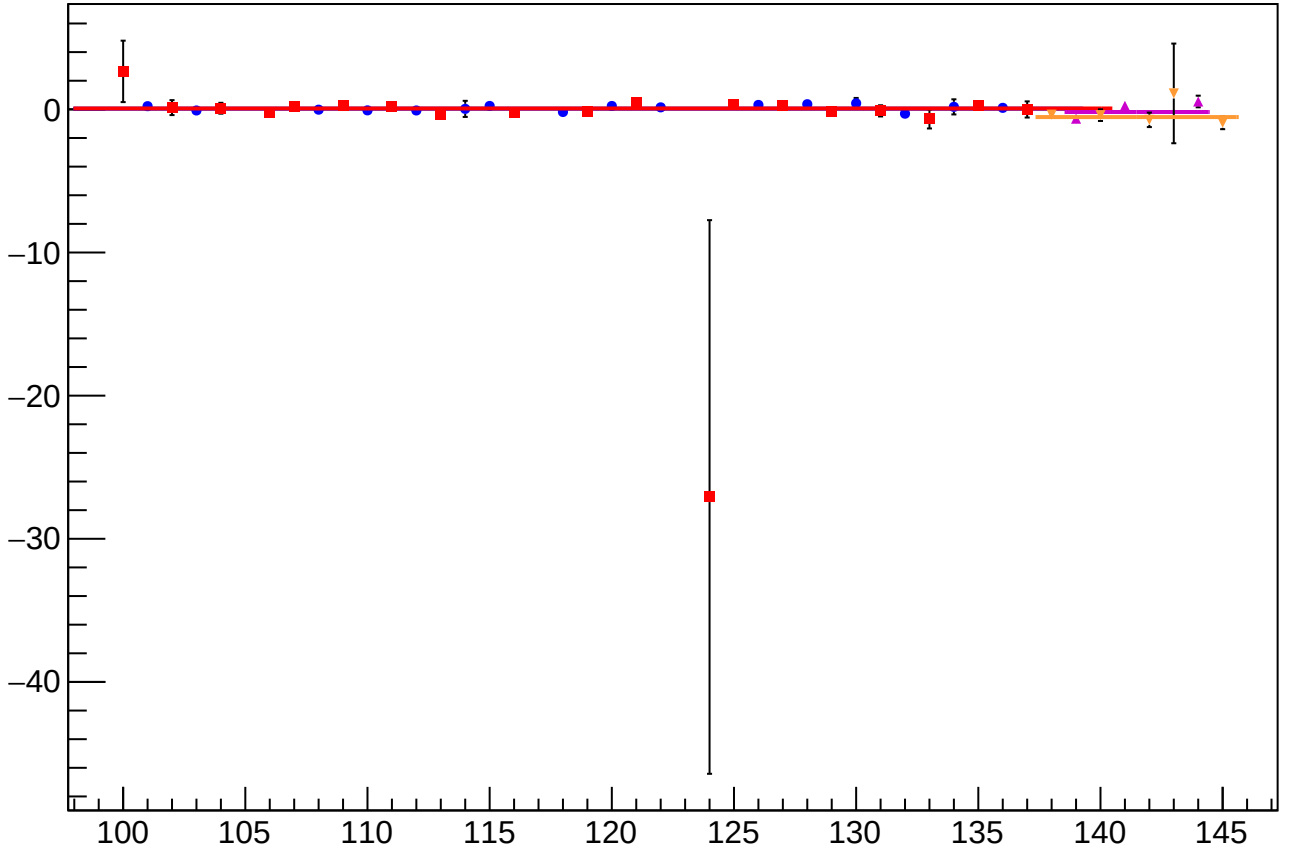
Left In: 0.000+/-0.000 χ^2/NDF:10343.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 2449511.8/20

All: 0.000+/-0.000 χ^2/NDF: 7710310.5/42

- sign 0.000+/-0.000 χ^2/NDF: 4590330.6/21

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

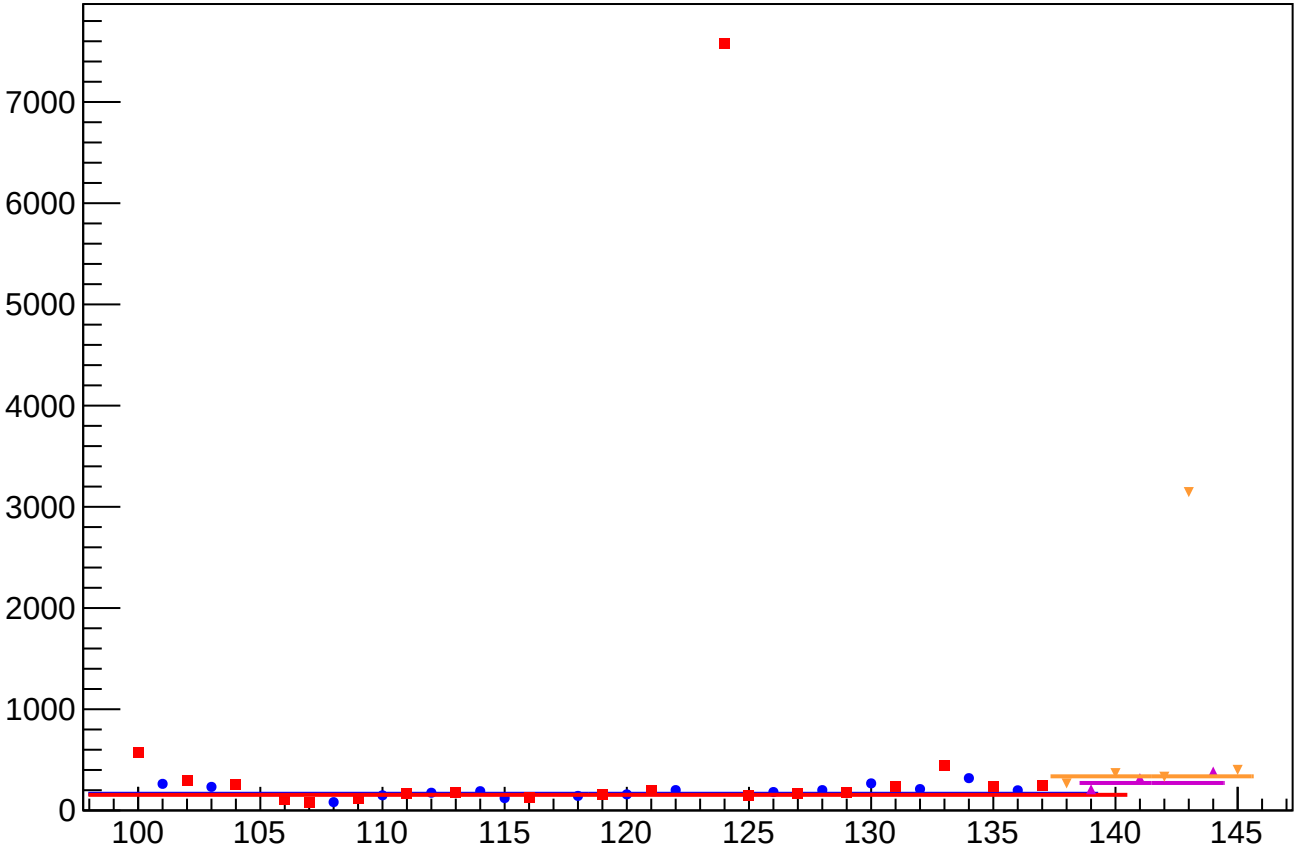
Left In: -0.185+/-0.177 χ^2/NDF:8.7/2

+ sign -0.011+/-0.063 χ^2/NDF: 17.0/20

All: 0.012+/-0.044 χ^2/NDF: 46.0/42

- sign 0.033+/-0.061 χ^2/NDF: 28.8/21

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

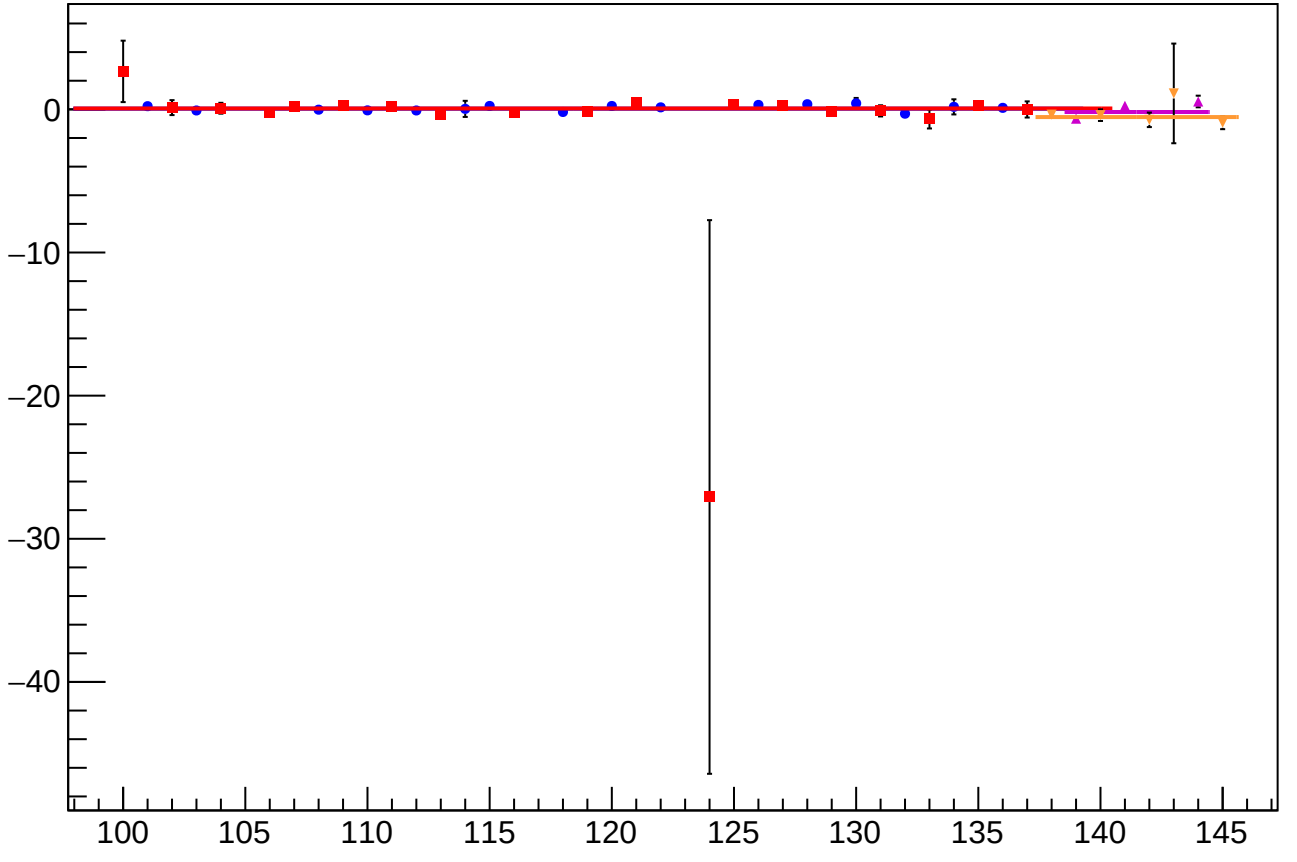
Left In: 271.576+/-0.125 χ^2/NDF:327035.6/2

+ sign 182.179+/-0.045 χ^2/NDF: 4282527.0/20

All: 174.884+/-0.031 χ^2/NDF: 7360245.7/42

- sign 168.152+/-0.043 χ^2/NDF: 3026124.2/21

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

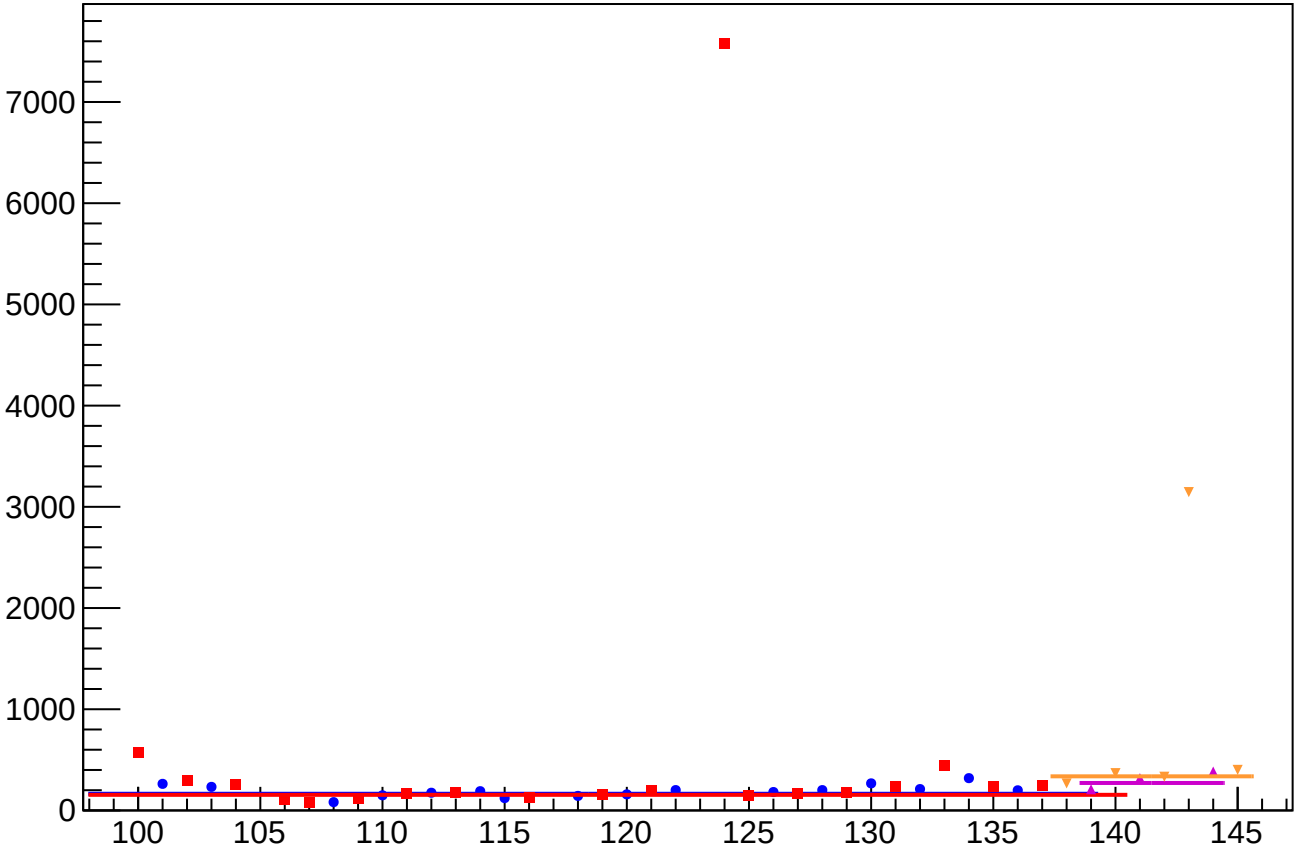
Left In: -0.185+/-0.177 χ^2/NDF:8.7/2

+ sign -0.011+/-0.063 χ^2/NDF: 17.0/20

All: 0.012+/-0.044 χ^2/NDF: 46.0/42

- sign 0.033+/-0.061 χ^2/NDF: 28.8/21

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

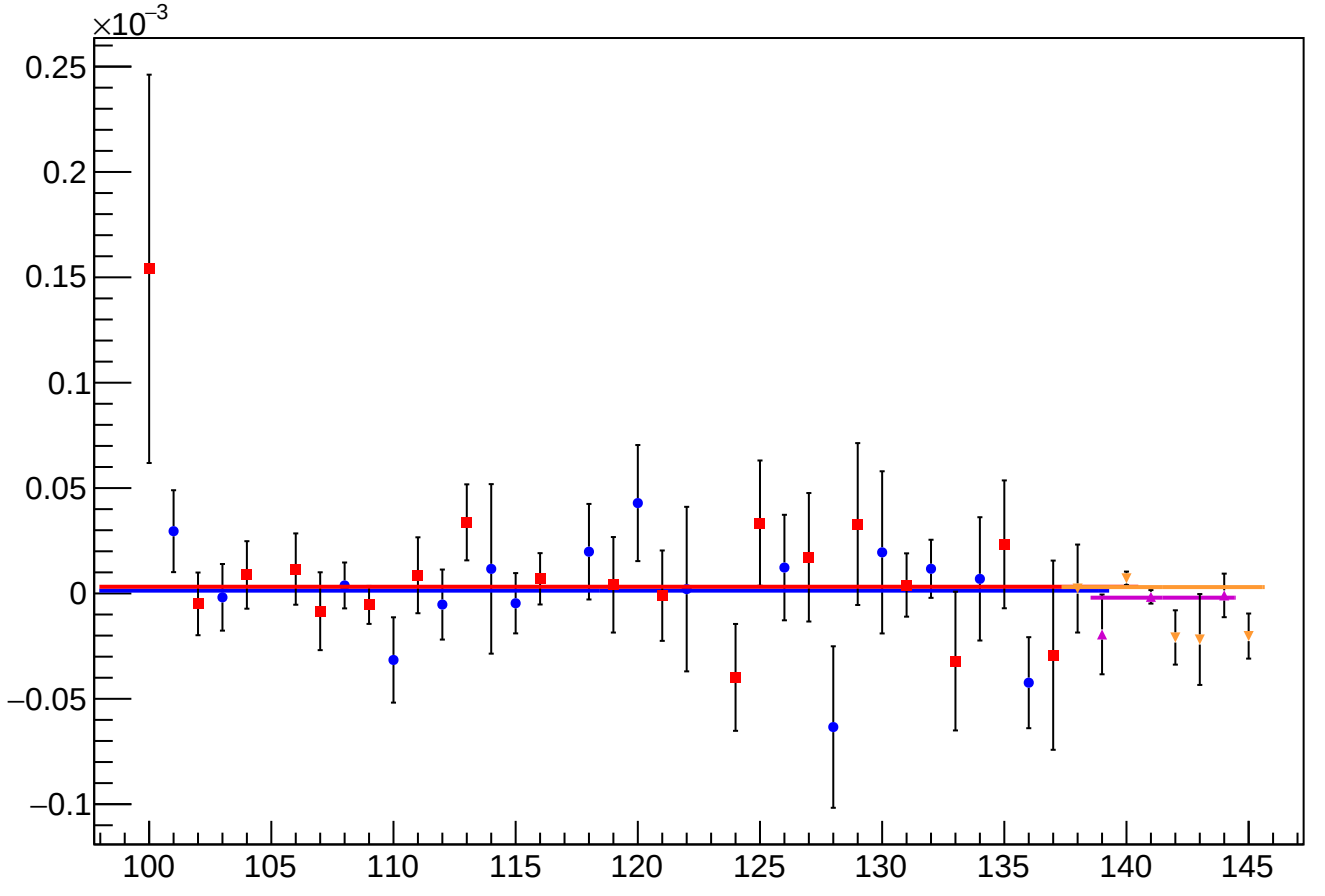
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 271.576+/-0.125 χ^2/NDF:327035.6/2

+ sign 182.179+/-0.045 χ^2/NDF: 4282527.0/20

All: 174.884+/-0.031 χ^2/NDF: 7360245.7/42

- sign 168.152+/-0.043 χ^2/NDF: 3026124.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/4

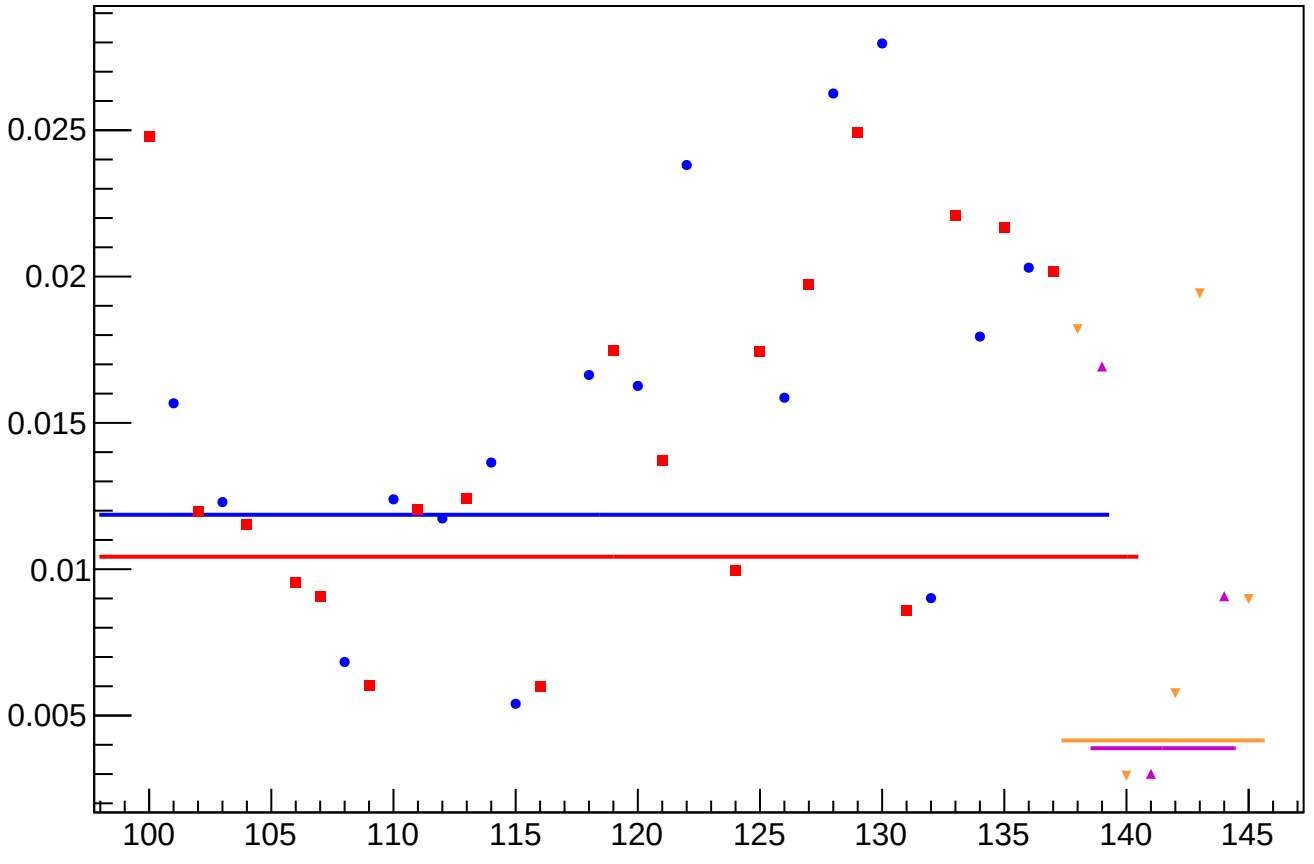
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/20

All: 0.000+/-0.000 χ^2/NDF: 44.5/42

- sign -0.000+/-0.000 χ^2/NDF: 16.5/21



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2630853.4/4

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

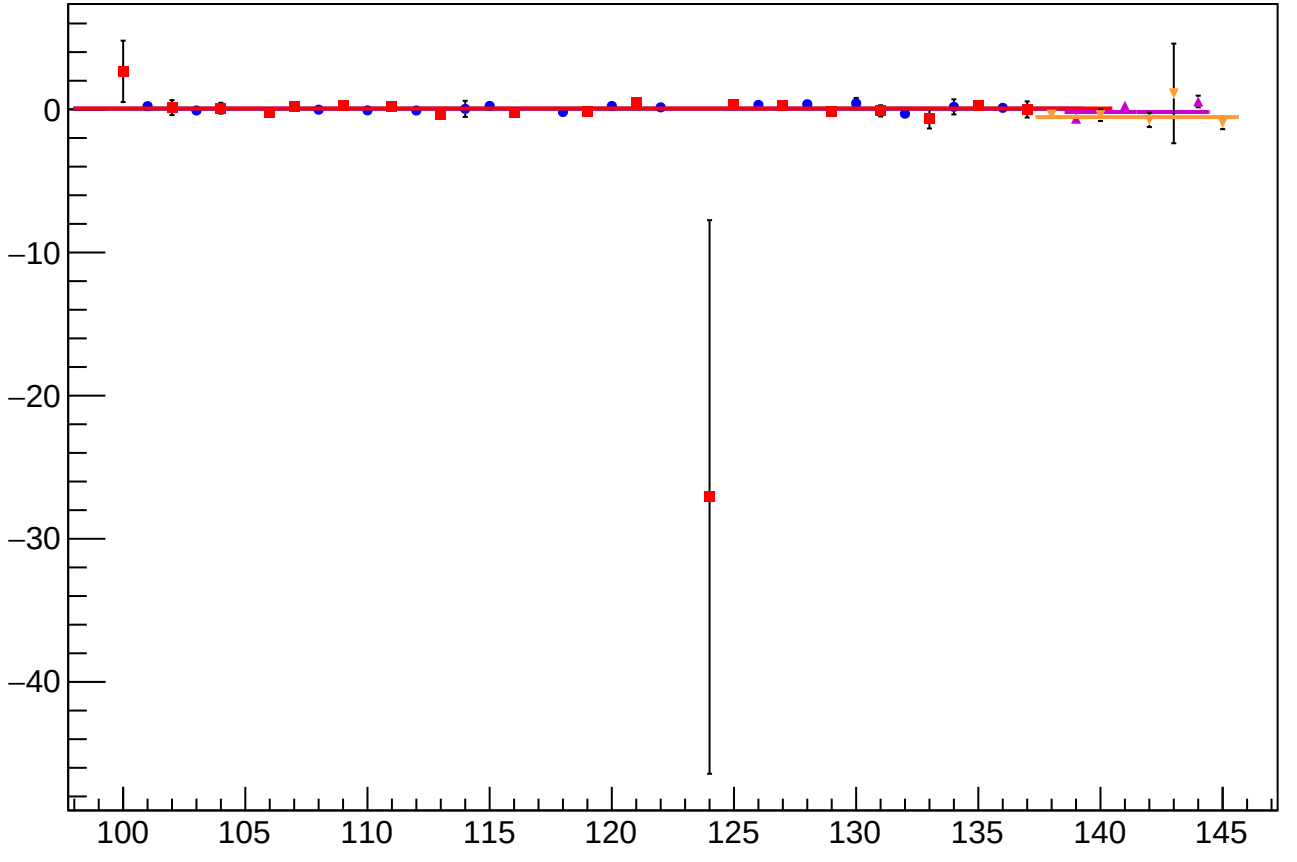
Left In: 0.004+/-0.000 χ^2/NDF:1604800.2/2

+ sign 0.006+/-0.000 χ^2/NDF: 8711821.6/20

All: 0.006+/-0.000 χ^2/NDF: 15835848.6/42

- sign 0.006+/-0.000 χ^2/NDF: 7121974.3/21

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

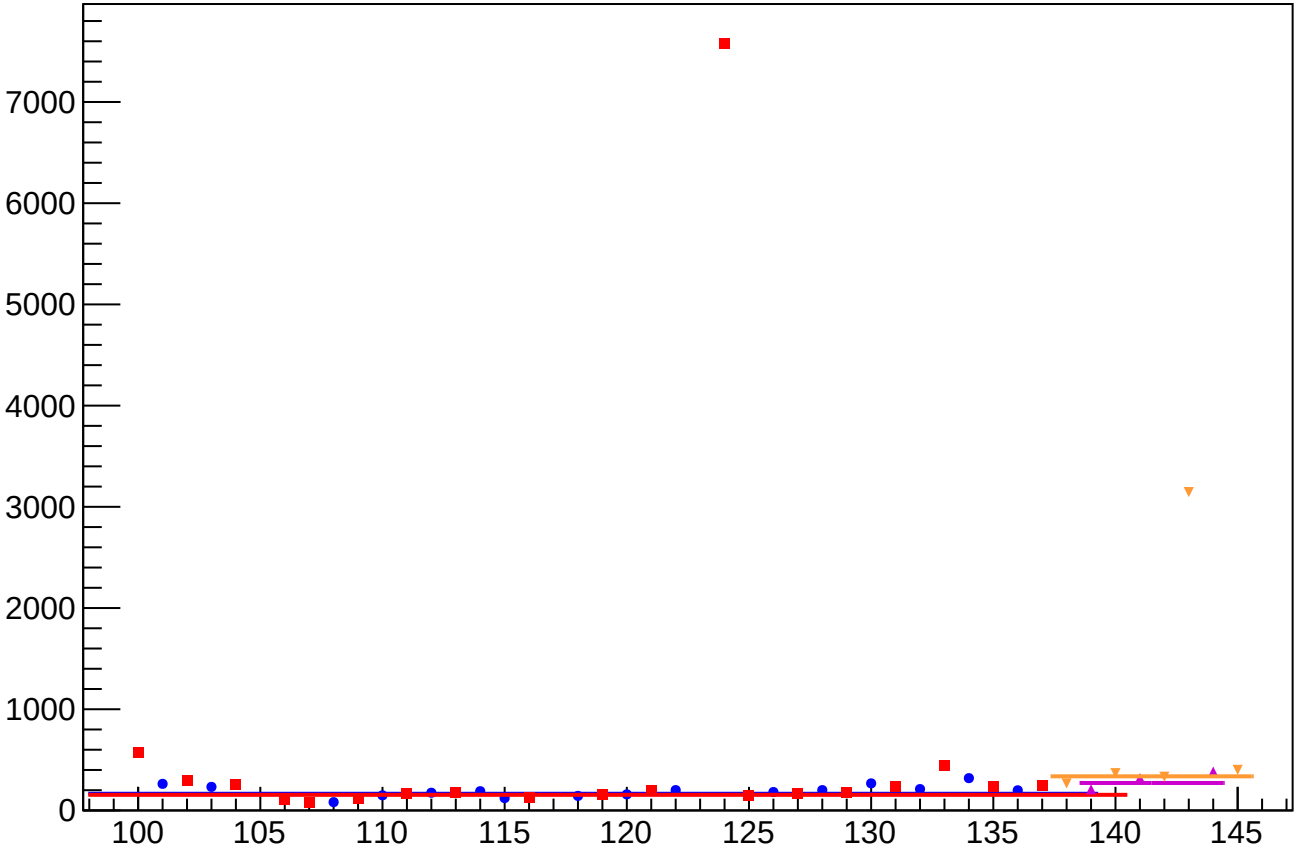
Left In: -0.185+/-0.177 χ^2/NDF:8.7/2

+ sign -0.011+/-0.063 χ^2/NDF: 17.0/20

All: 0.012+/-0.044 χ^2/NDF: 46.0/42

- sign 0.033+/-0.061 χ^2/NDF: 28.8/21

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

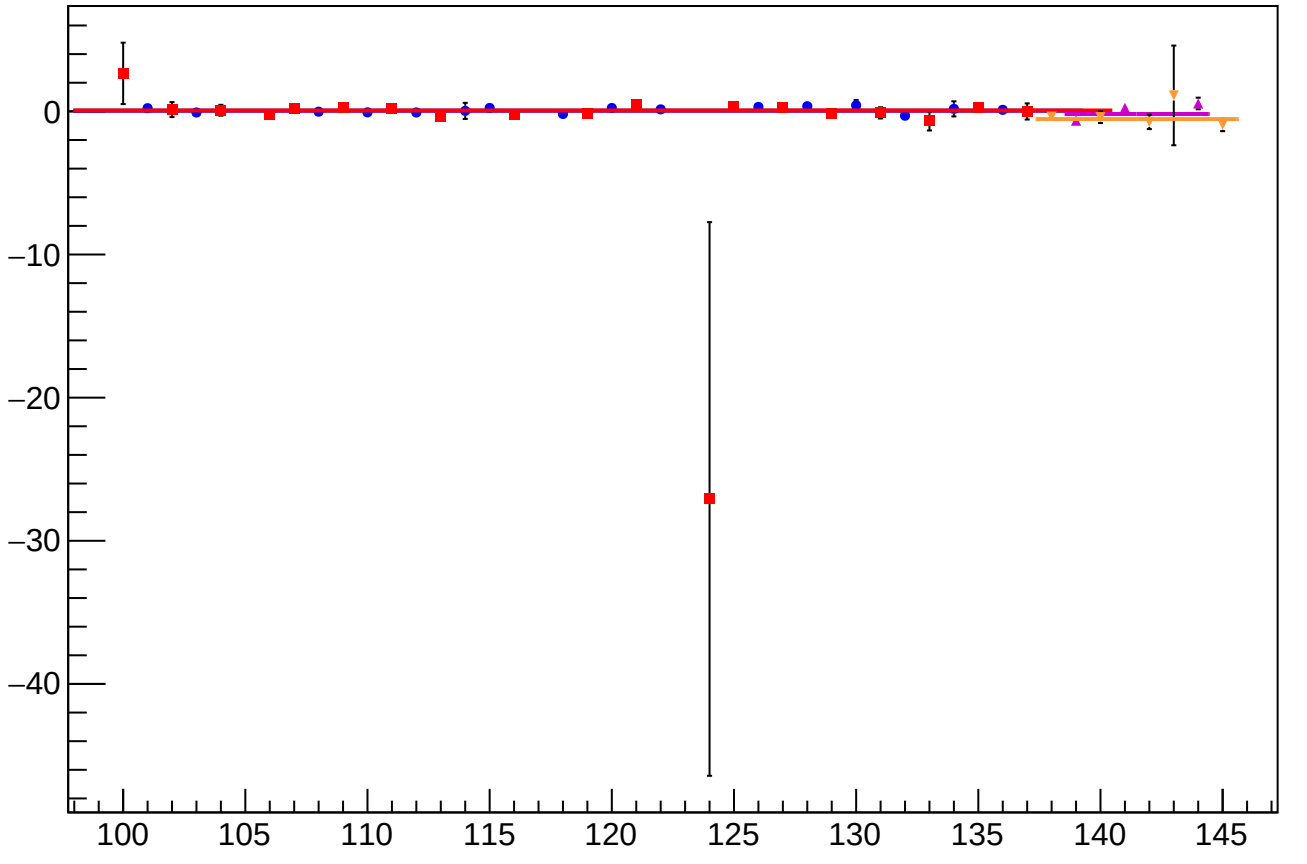
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 271.578+/-0.125 χ^2/NDF:327023.4/2

+ sign 182.179+/-0.045 χ^2/NDF: 4282528.4/20

All: 174.884+/-0.031 χ^2/NDF: 7360283.5/42

- sign 168.152+/-0.043 χ^2/NDF: 3026160.5/21



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.538+/-0.199 χ^2/NDF:1.6/4

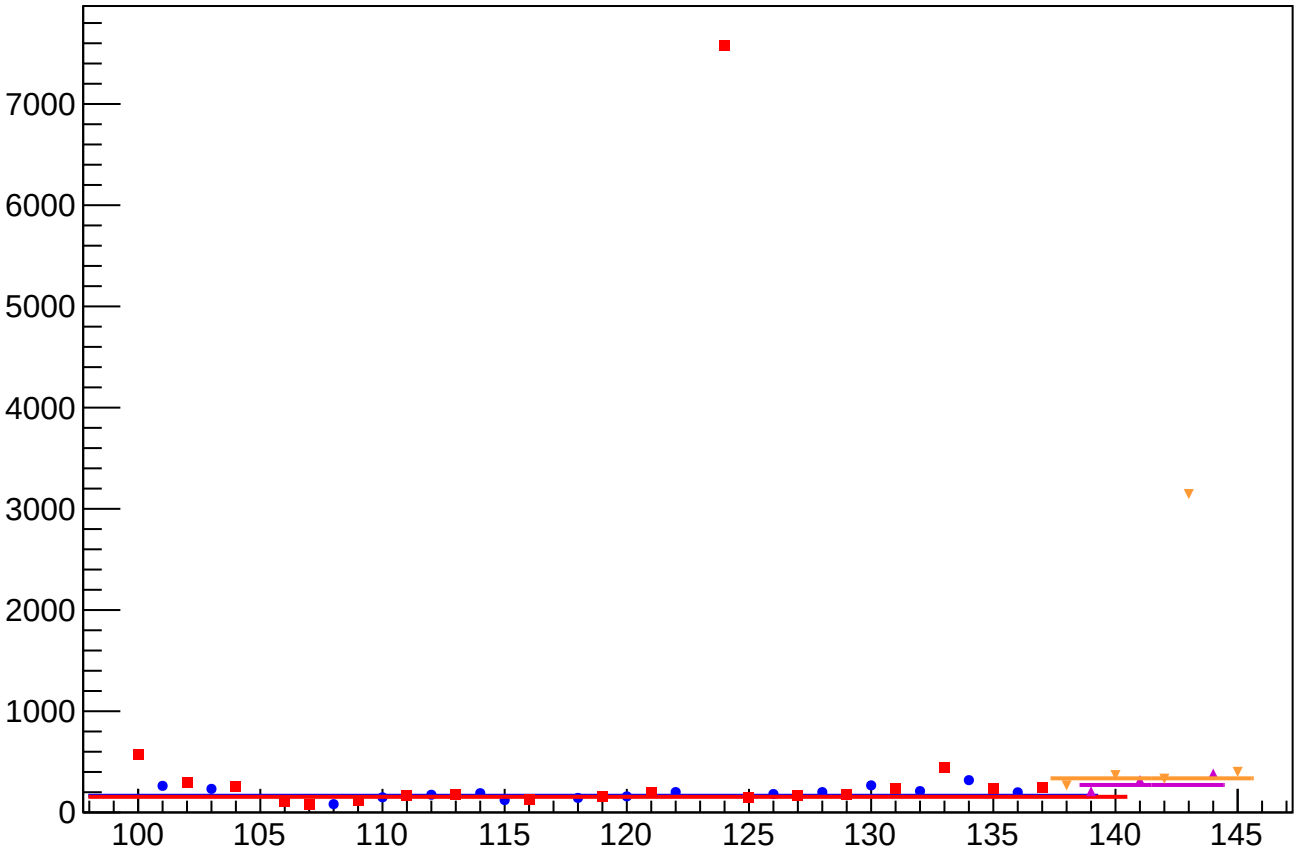
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.185+/-0.177 χ^2/NDF:8.7/2

+ sign -0.011+/-0.063 χ^2/NDF: 17.0/20

All: 0.012+/-0.044 χ^2/NDF: 46.0/42

- sign 0.033+/-0.061 χ^2/NDF: 28.8/21



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 337.164+/-0.140 χ^2/NDF:1454566.1/4

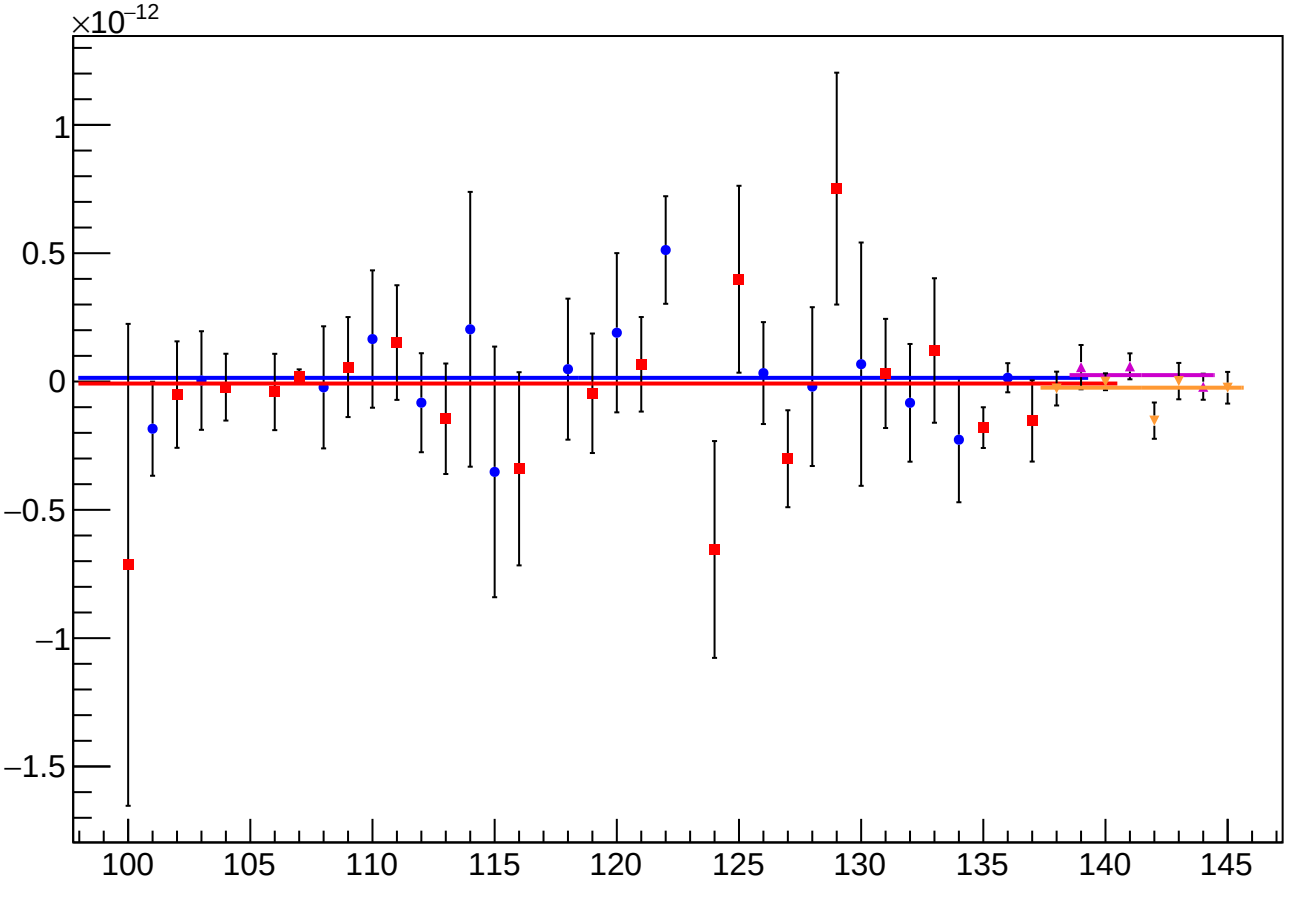
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 271.578+/-0.125 χ^2/NDF:327023.4/2

+ sign 182.179+/-0.045 χ^2/NDF: 4282528.4/20

All: 174.884+/-0.031 χ^2/NDF: 7360283.5/42

- sign 168.152+/-0.043 χ^2/NDF: 3026160.5/21



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/4

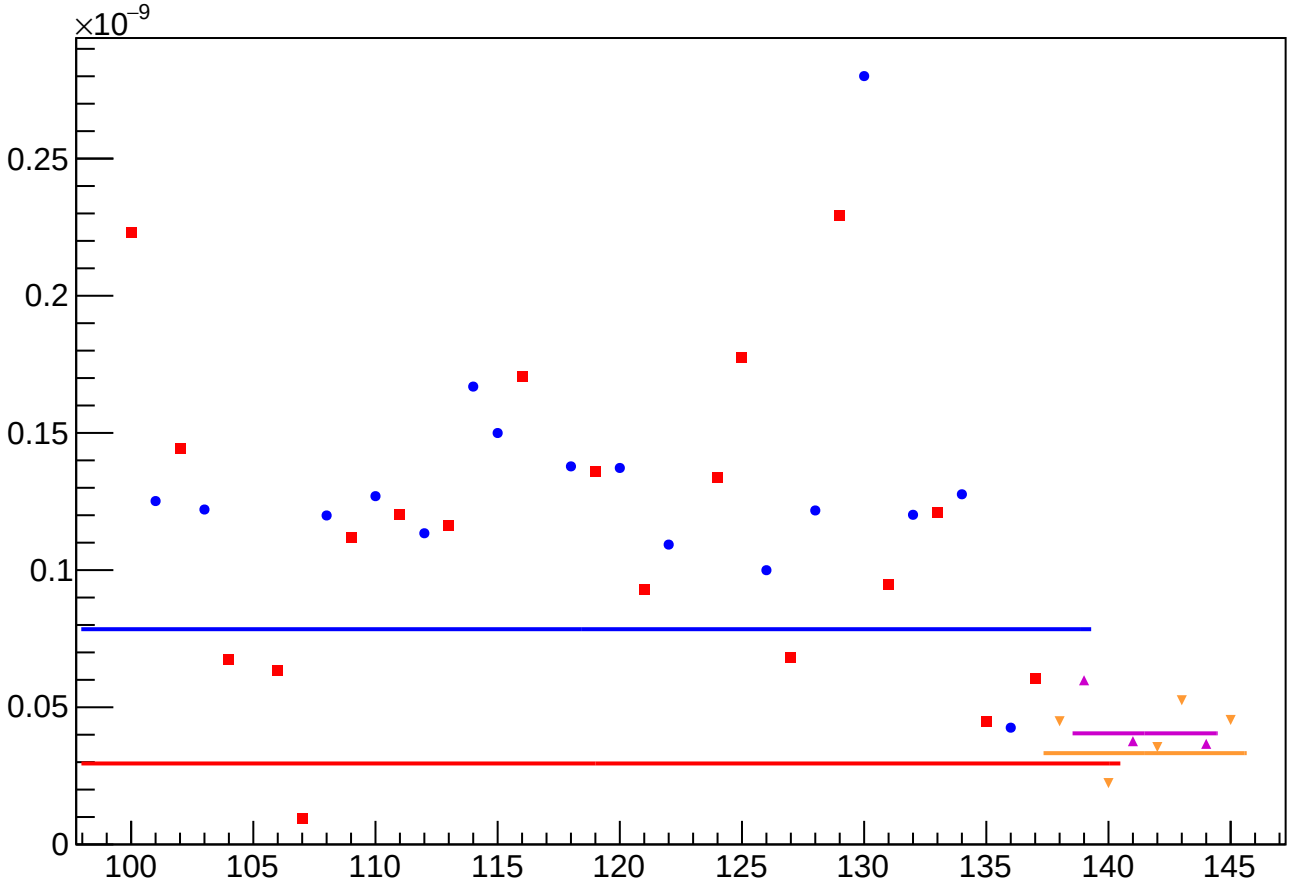
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 14.2/20

All: -0.000+/-0.000 χ^2/NDF: 35.0/42

- sign 0.000+/-0.000 χ^2/NDF: 20.4/21



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

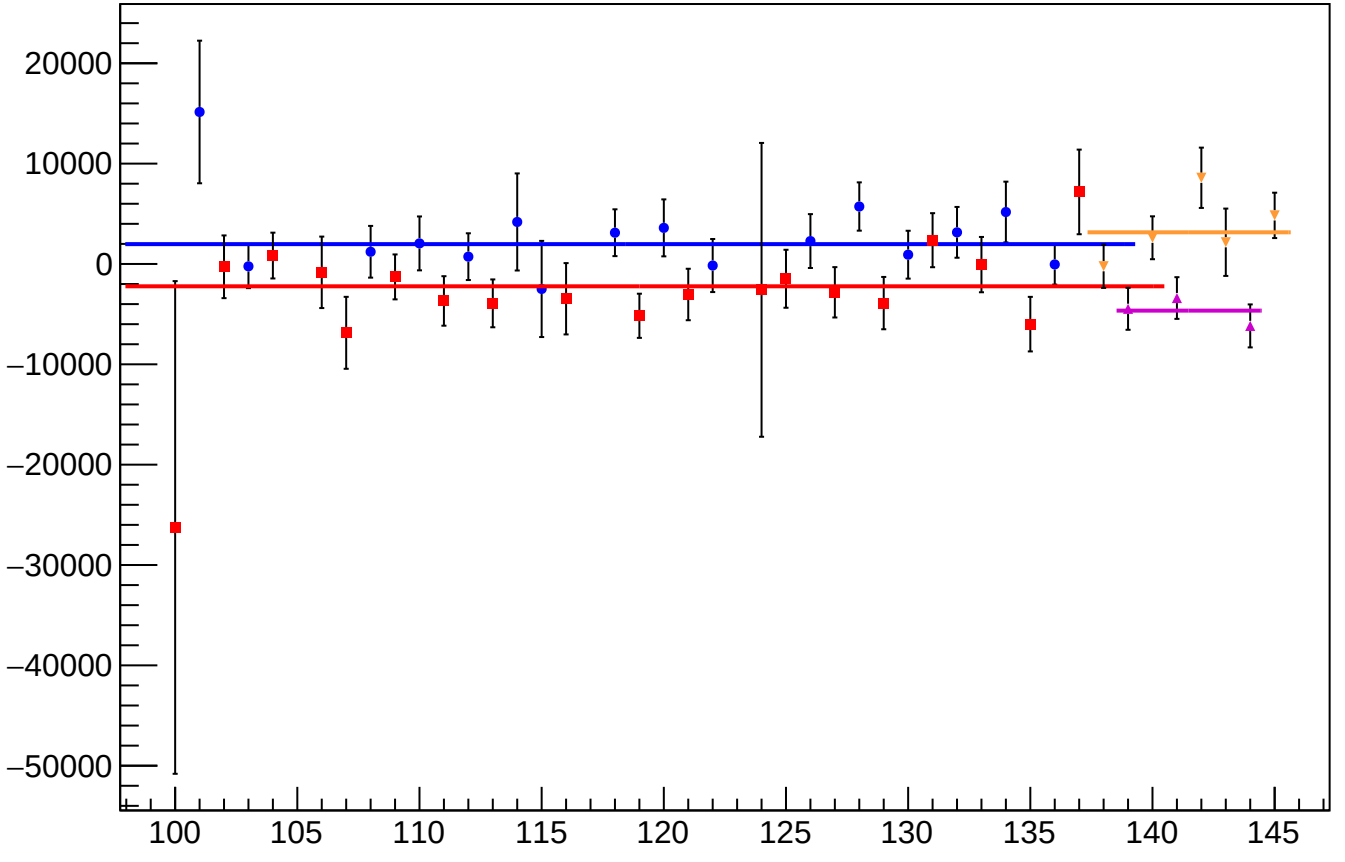
Left In: 0.000+/-0.000 χ^2/NDF:118109.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 4352544.6/20

All: 0.000+/-0.000 χ^2/NDF: 10405471.2/42

- sign 0.000+/-0.000 χ^2/NDF: 5754187.4/21

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

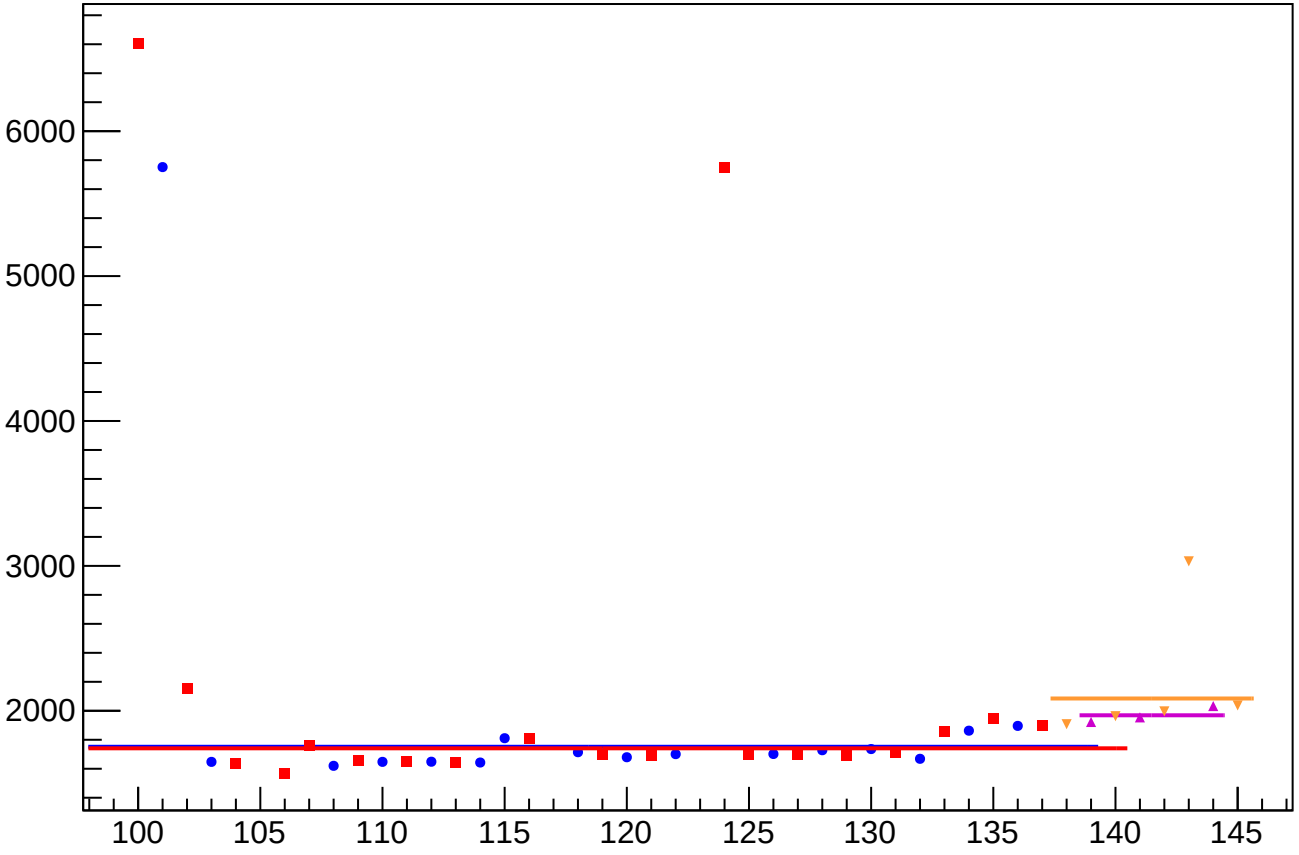
Left In: -4648.983+/-1214.283 χ^2/NDF:0.9/2

+ sign 2294.066+/-570.573 χ^2/NDF: 19.4/20

All: -209.972+/-405.833 χ^2/NDF: 81.3/42

- sign -2773.901+/-577.356 χ^2/NDF: 22.9/21

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

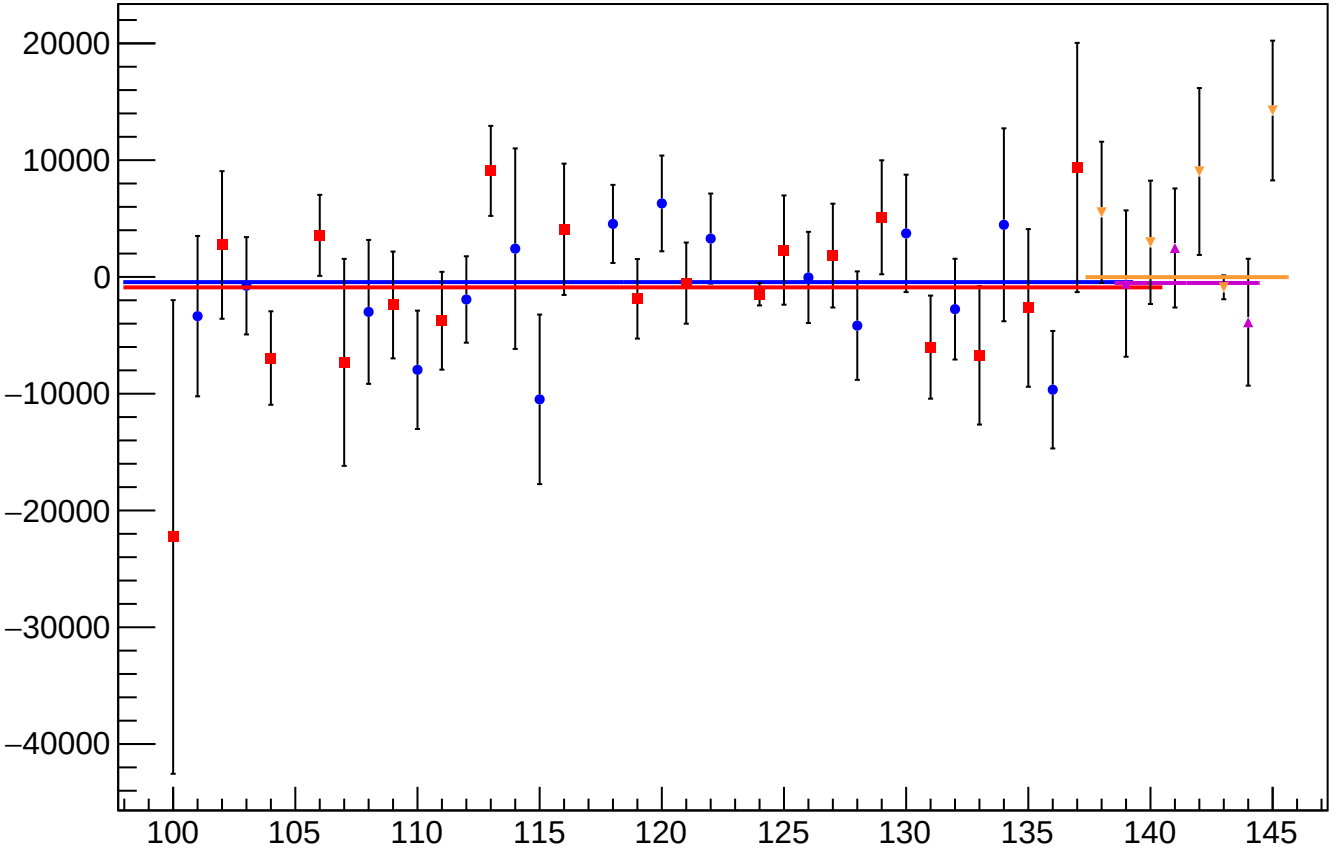
Left In: 1968.986+/-0.859 χ^2/NDF:2842.3/2

+ sign 1841.513+/-0.403 χ^2/NDF: 986931.9/20

All: 1816.905+/-0.286 χ^2/NDF: 1356635.7/42

- sign 1791.995+/-0.406 χ^2/NDF: 362218.0/21

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

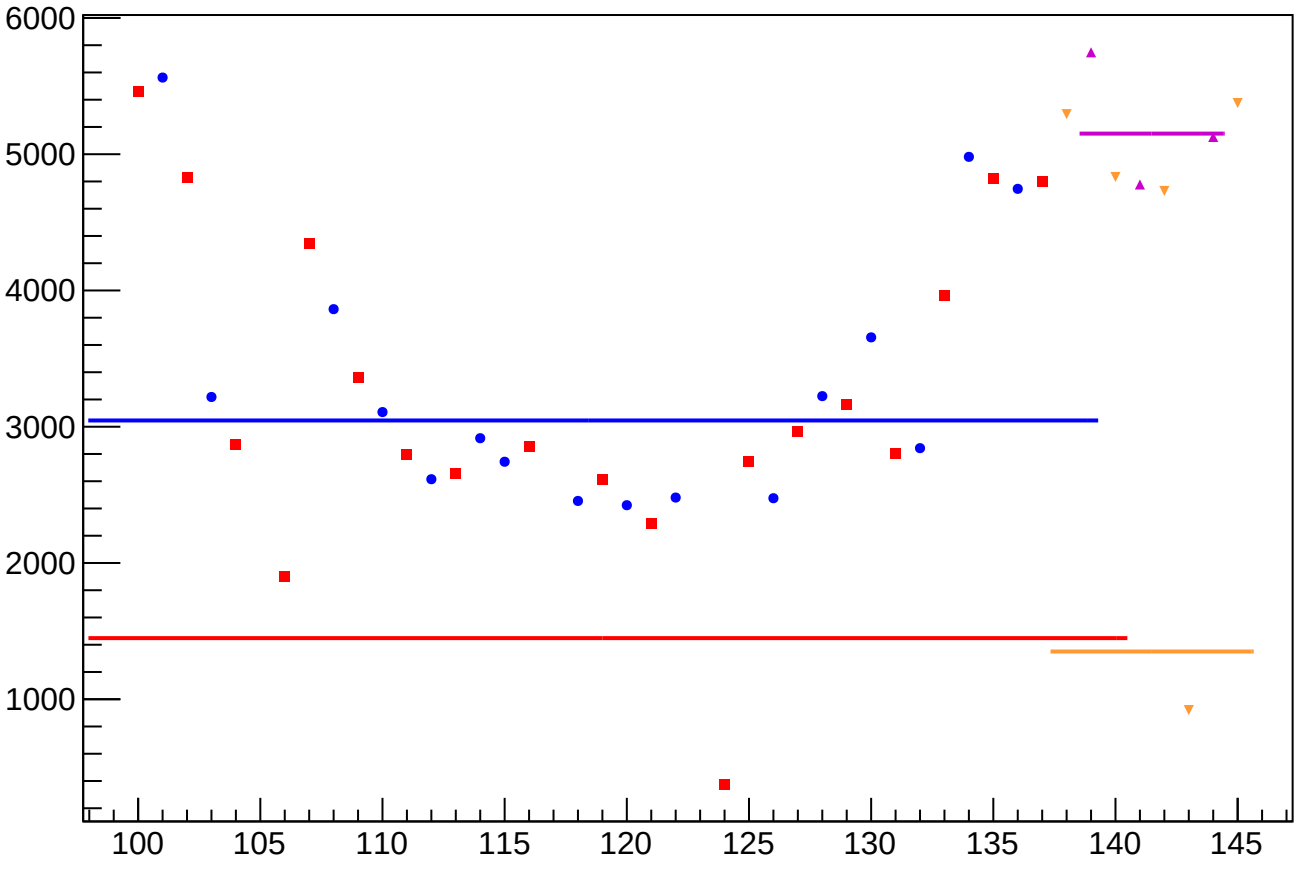
Left In: -516.363+/-3197.582 χ^2/NDF:0.7/2

\+ sign -189.537+/-746.943 χ^2/NDF: 25.2/20

All: -550.109+/-513.747 χ^2/NDF: 46.4/42

\- sign -873.823+/-707.737 χ^2/NDF: 20.8/21

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

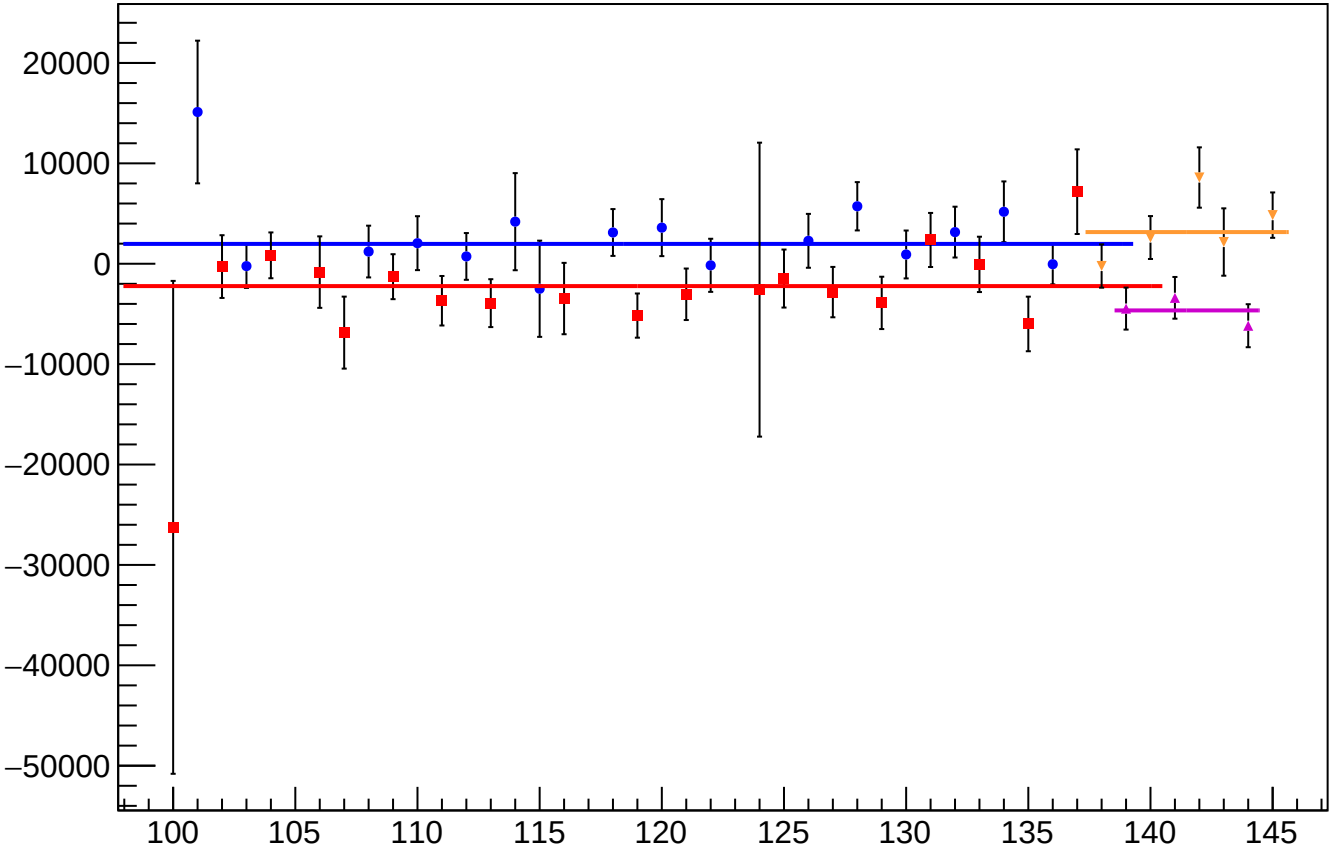
Left In: 5151.250+/-2.261 χ^2/NDF:28905.4/2

+ sign 2036.166+/-0.528 χ^2/NDF: 6816566.9/20

All: 1822.099+/-0.363 χ^2/NDF: 16494593.7/4

- sign 1629.913+/-0.500 χ^2/NDF: 9366279.1/21

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

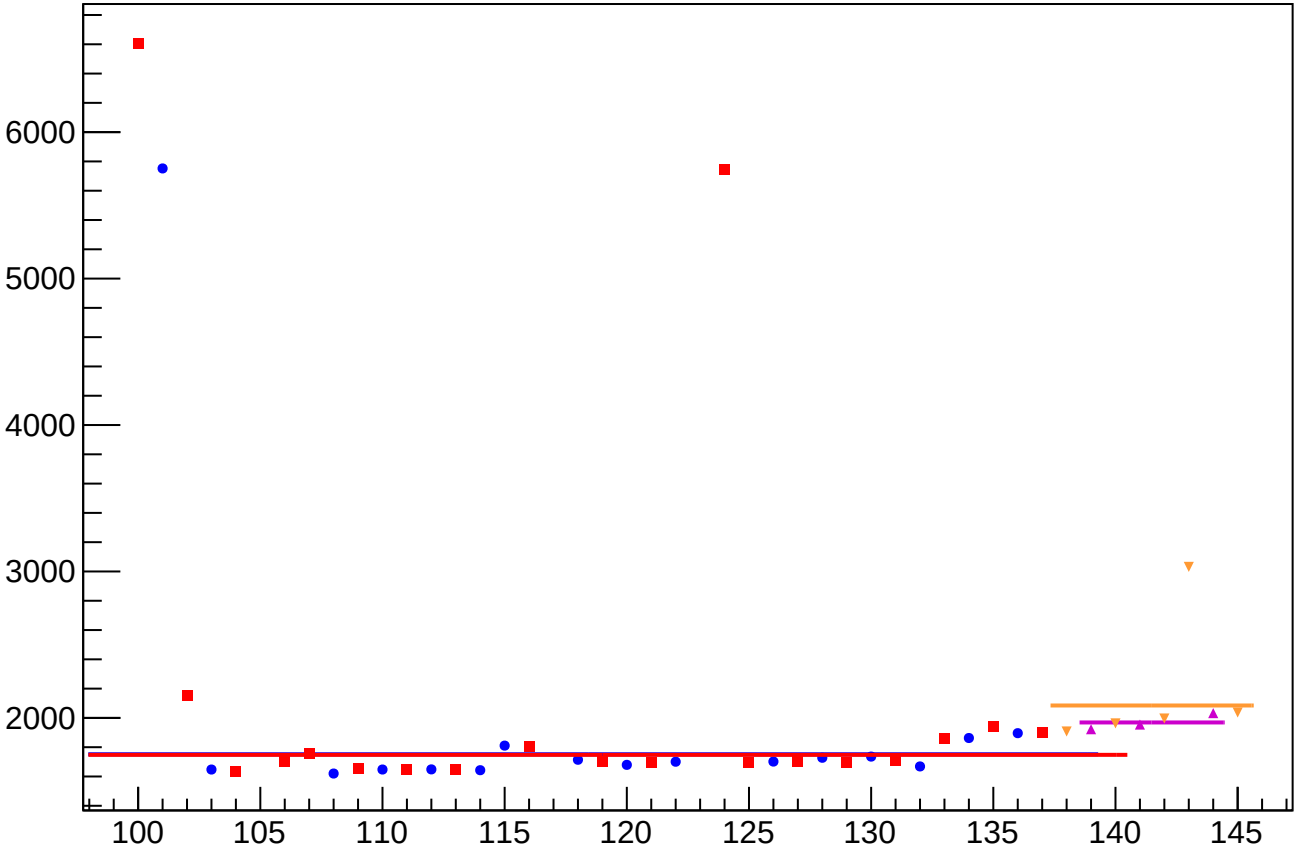
Left In: -4649.250+/-1214.283 χ^2/NDF:0.9/2

+ sign 2293.877+/-570.573 χ^2/NDF: 19.4/20

All: -210.134+/-405.833 χ^2/NDF: 81.3/42

- sign -2774.036+/-577.356 χ^2/NDF: 22.9/21

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

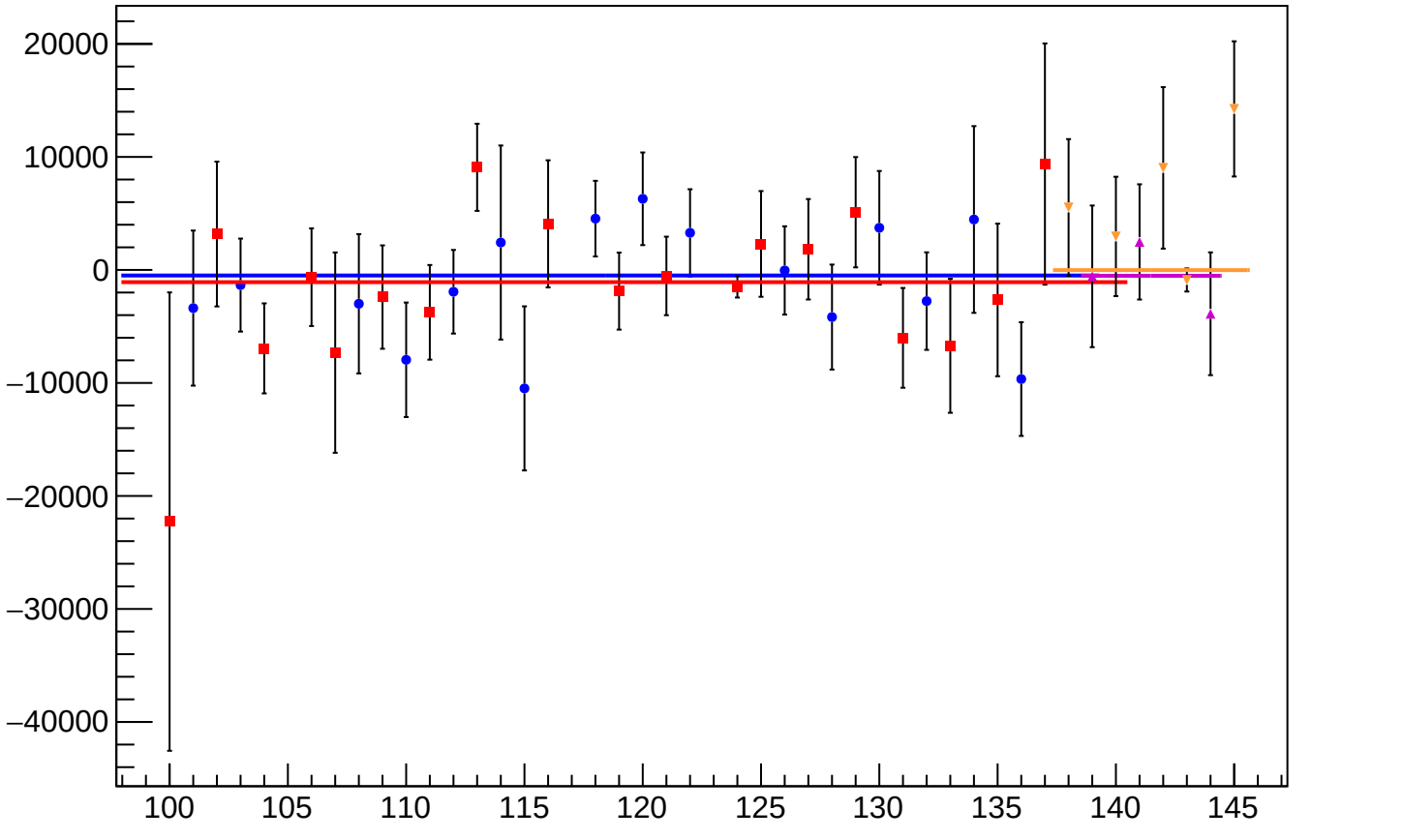
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1968.986+/-0.859 χ^2/NDF:2842.3/2

+ sign 1841.513+/-0.403 χ^2/NDF: 986932.4/20

All: 1819.704+/-0.287 χ^2/NDF: 1345039.7/42

- sign 1797.504+/-0.407 χ^2/NDF: 352211.1/21



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

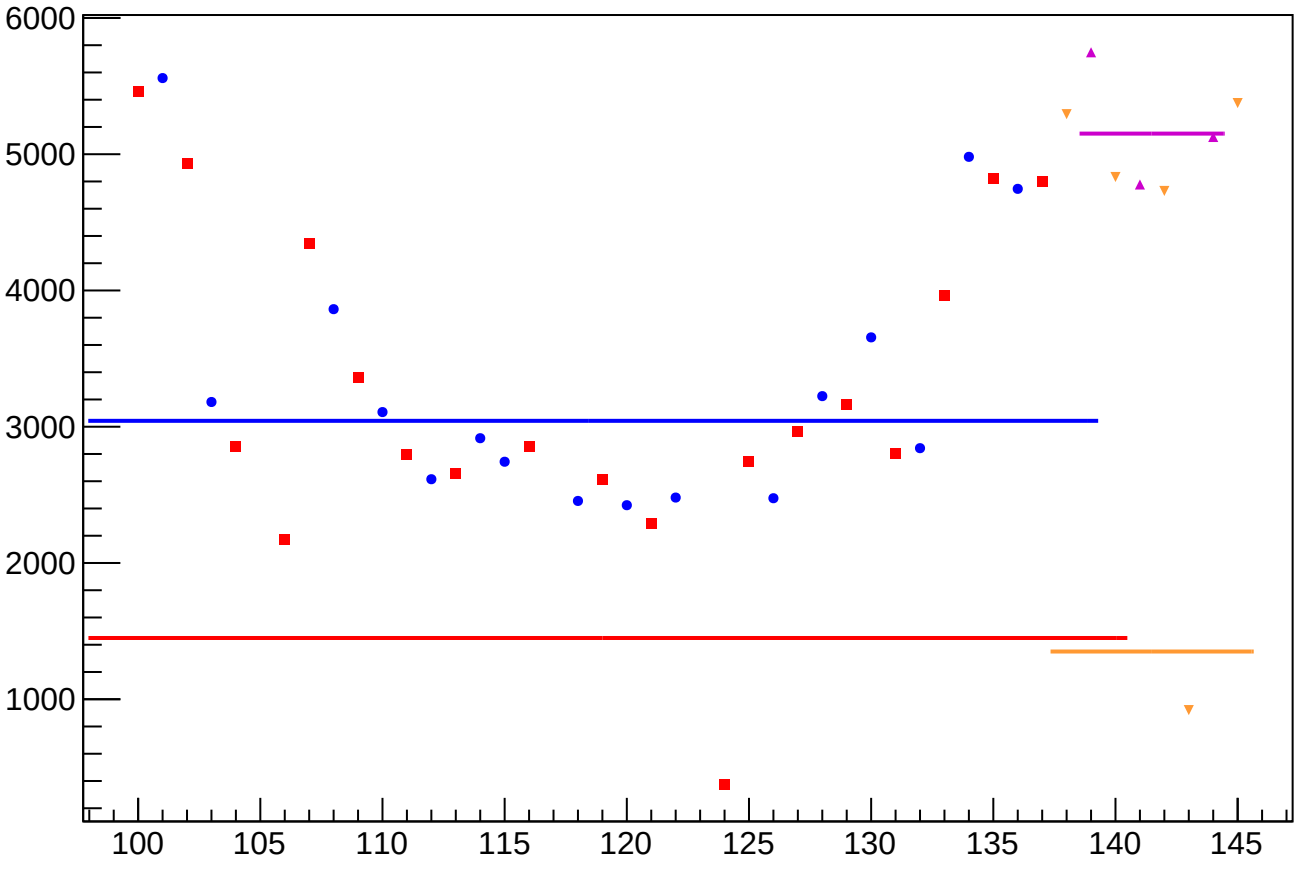
Left In: -516.326+/-3197.583 χ^2/NDF:0.7/2

+ sign -209.304+/-746.615 χ^2/NDF: 25.2/20

All: -650.470+/-515.657 χ^2/NDF: 45.1/42

- sign -1052.849+/-713.040 χ^2/NDF: 19.2/21

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

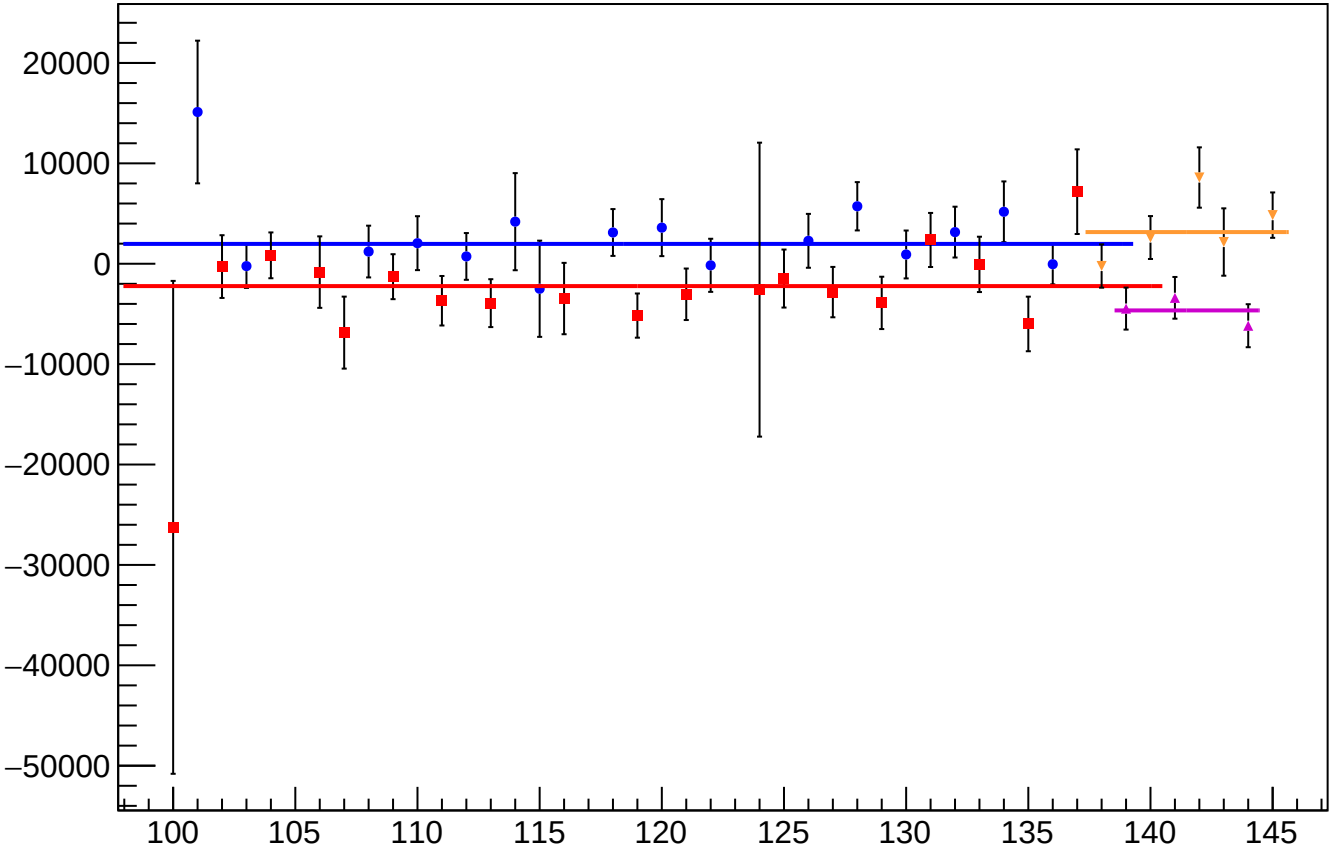
Left In: 5151.251+/-2.261 χ^2/NDF:28906.5/2

+ sign 2035.867+/-0.528 χ^2/NDF: 6810485.0/20

All: 1825.479+/-0.365 χ^2/NDF: 16515864.2/4

- sign 1633.589+/-0.504 χ^2/NDF: 9401722.2/21

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

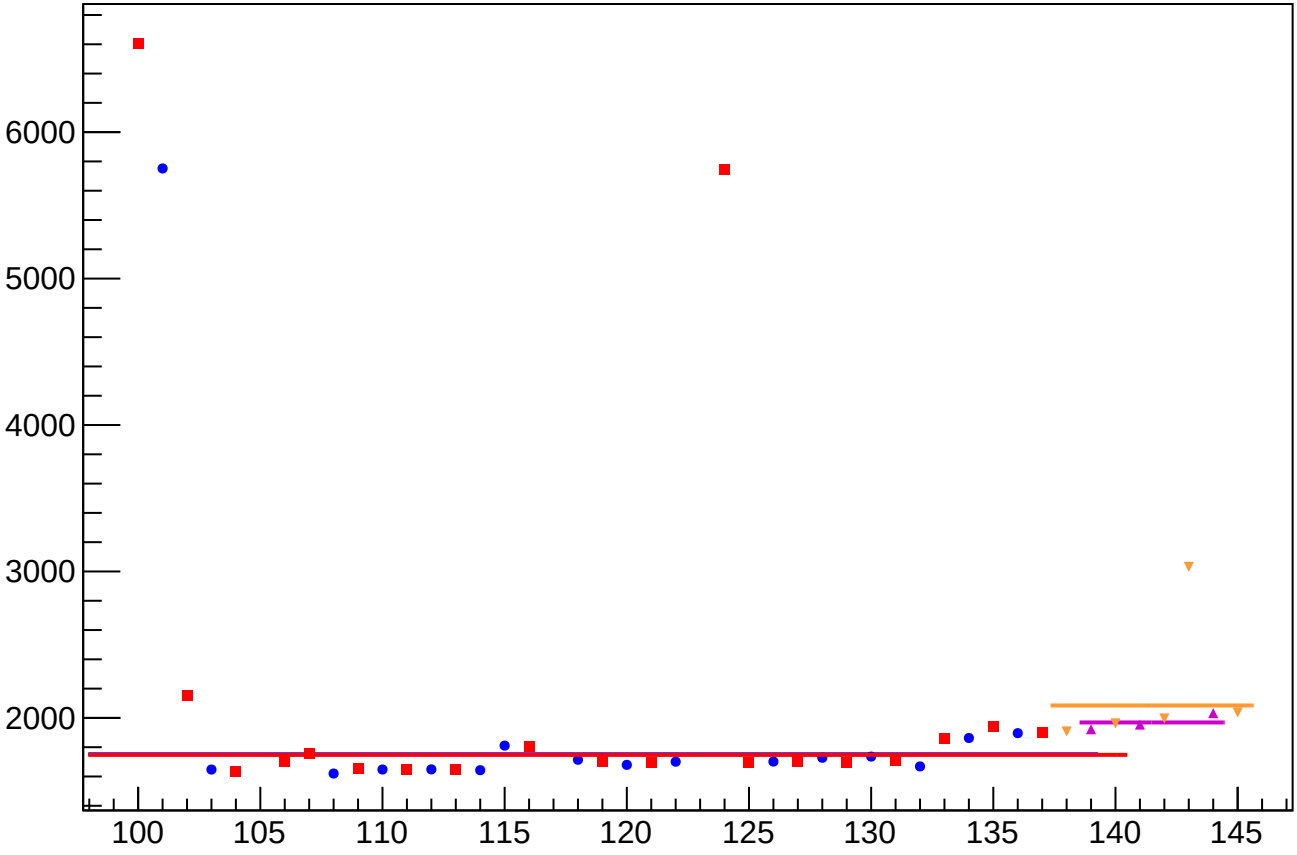
Left In: -4649.250+/-1214.283 χ^2/NDF:0.9/2

+ sign 2293.877+/-570.573 χ^2/NDF: 19.4/20

All: -210.134+/-405.833 χ^2/NDF: 81.3/42

- sign -2774.036+/-577.356 χ^2/NDF: 22.9/21

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

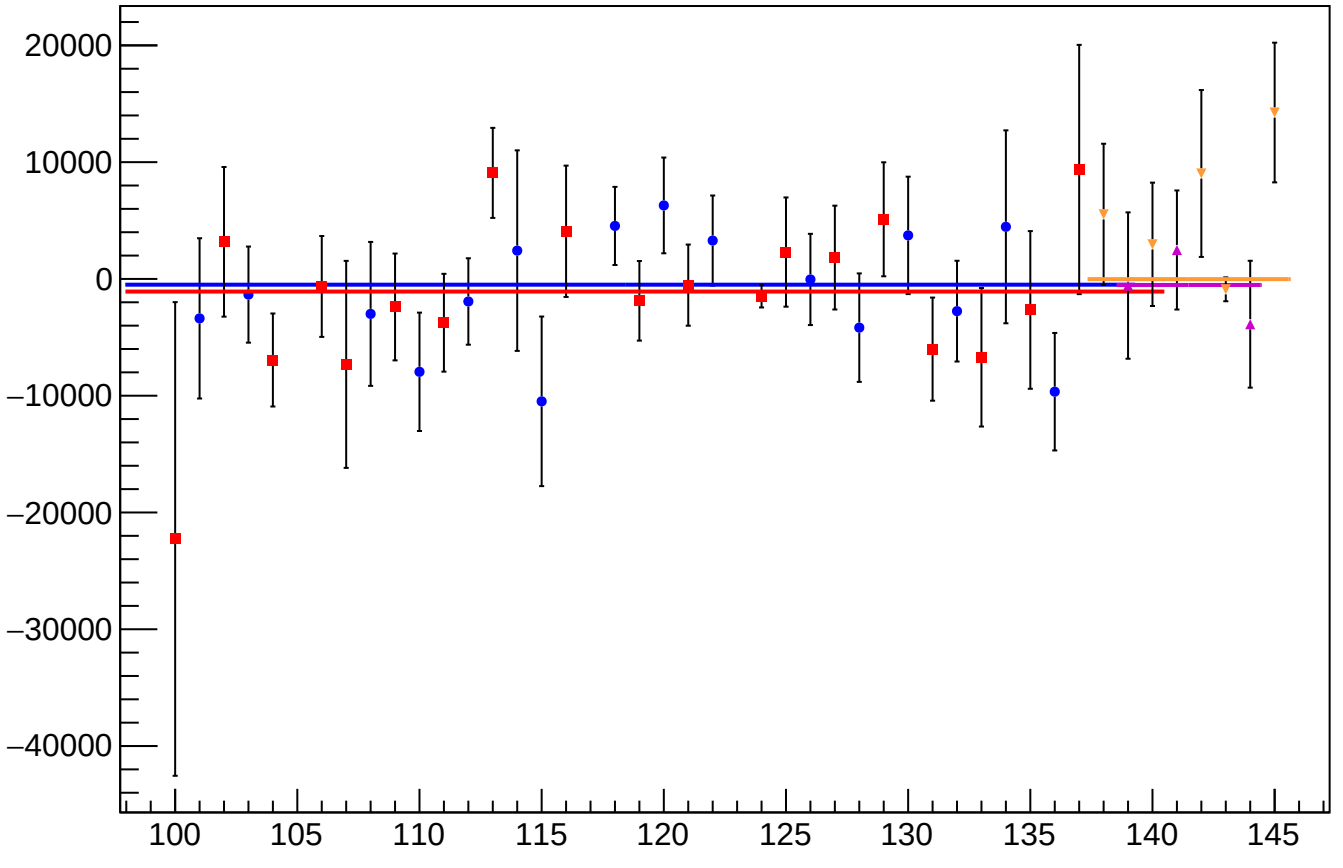
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1968.986+/-0.859 χ^2/NDF:2842.3/2

+ sign 1841.513+/-0.403 χ^2/NDF: 986932.4/20

All: 1819.704+/-0.287 χ^2/NDF: 1345039.7/42

- sign 1797.504+/-0.407 χ^2/NDF: 352211.1/21



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -16.282+/-967.892 χ^2/NDF:9.2/4

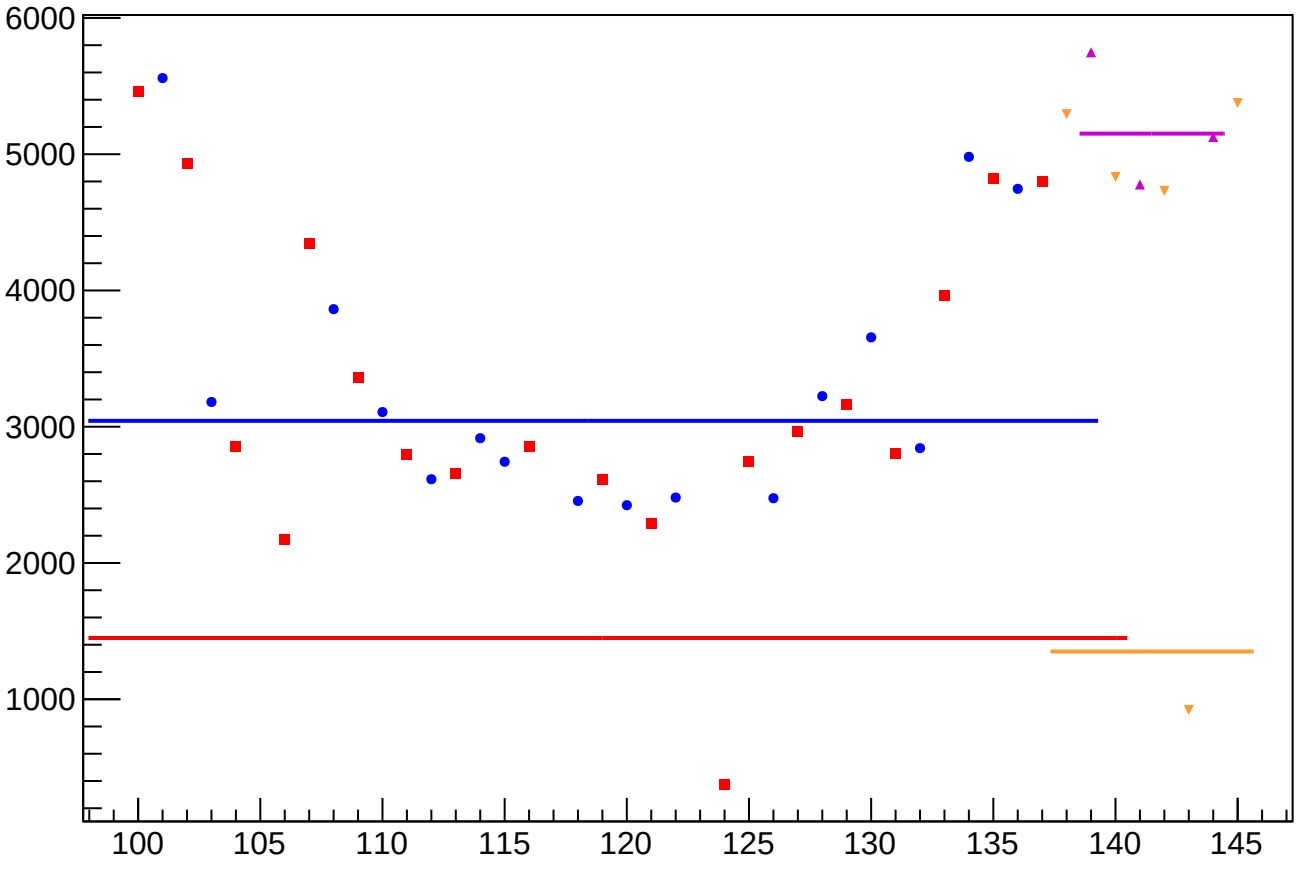
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -516.326+/-3197.583 χ^2/NDF:0.7/2

+ sign -209.304+/-746.615 χ^2/NDF: 25.2/20

All: -650.470+/-515.657 χ^2/NDF: 45.1/42

- sign -1052.849+/-713.040 χ^2/NDF: 19.2/21



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

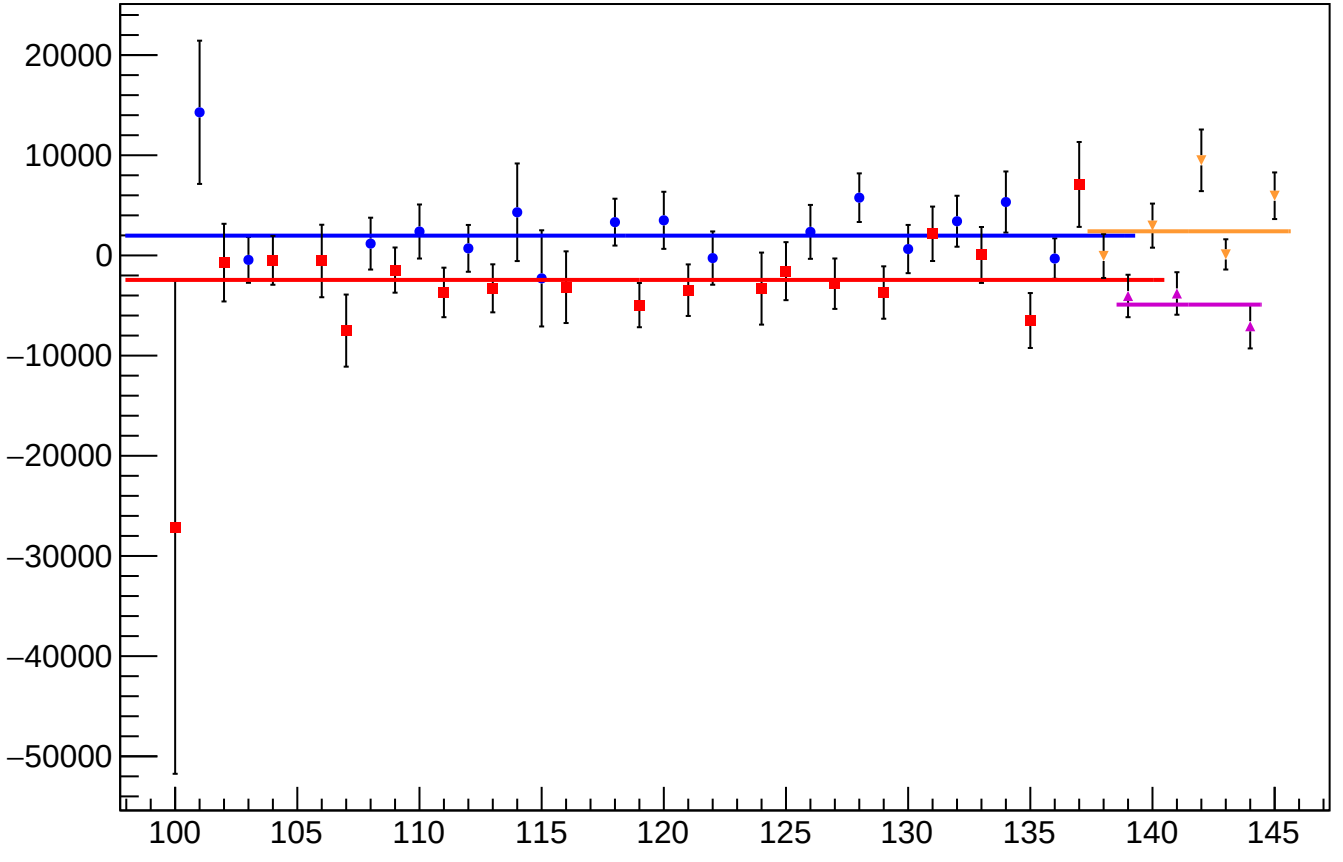
Left In: 5151.251+/-2.261 χ^2/NDF:28906.5/2

+ sign 2035.867+/-0.528 χ^2/NDF: 6810485.0/20

All: 1825.479+/-0.365 χ^2/NDF: 16515864.2/4

- sign 1633.589+/-0.504 χ^2/NDF: 9401722.2/21

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

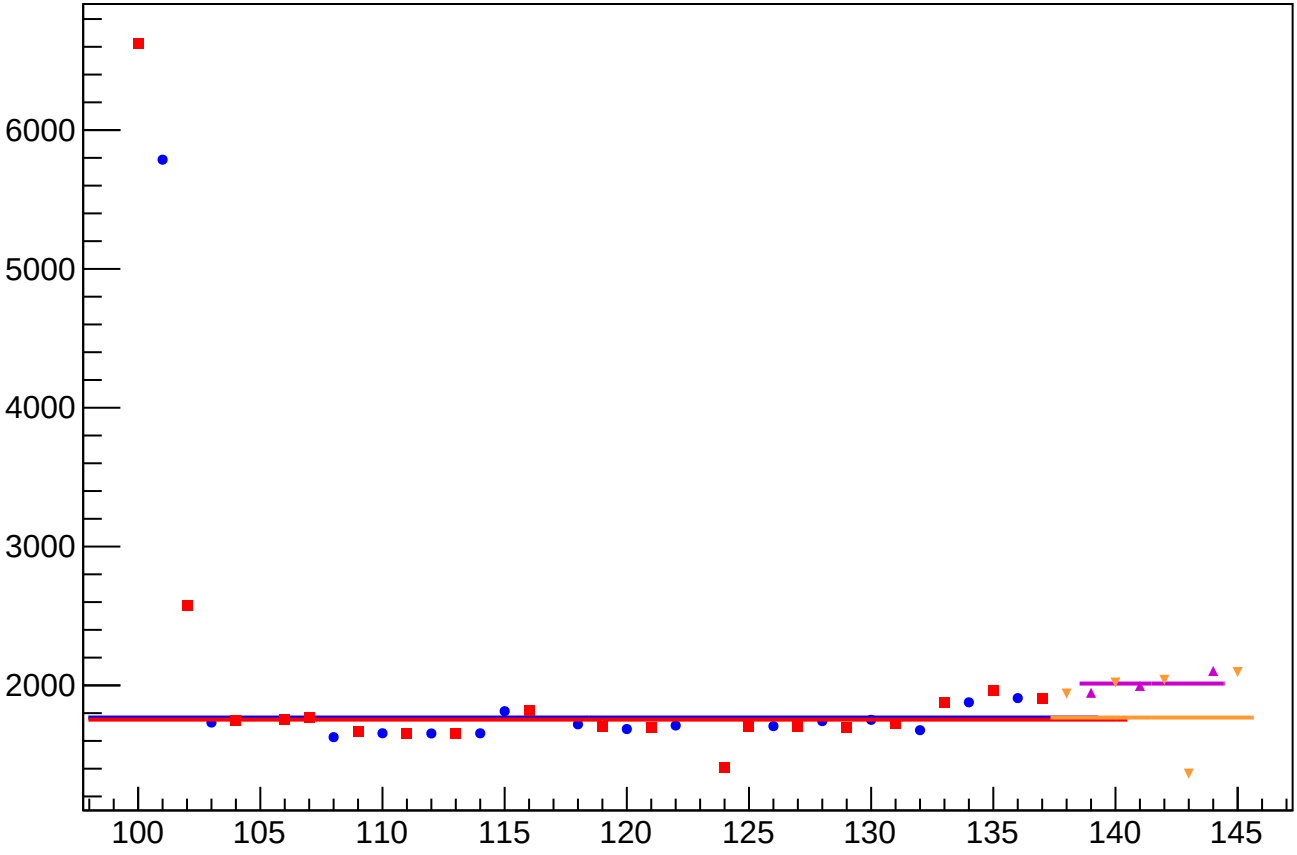
Left In: -4908.645+/-1241.932 χ^2/NDF:1.4/2

+ sign 2123.948+/-546.904 χ^2/NDF: 23.9/20

All: -274.793+/-398.297 χ^2/NDF: 86.8/42

- sign -2983.955+/-581.215 χ^2/NDF: 21.9/21

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

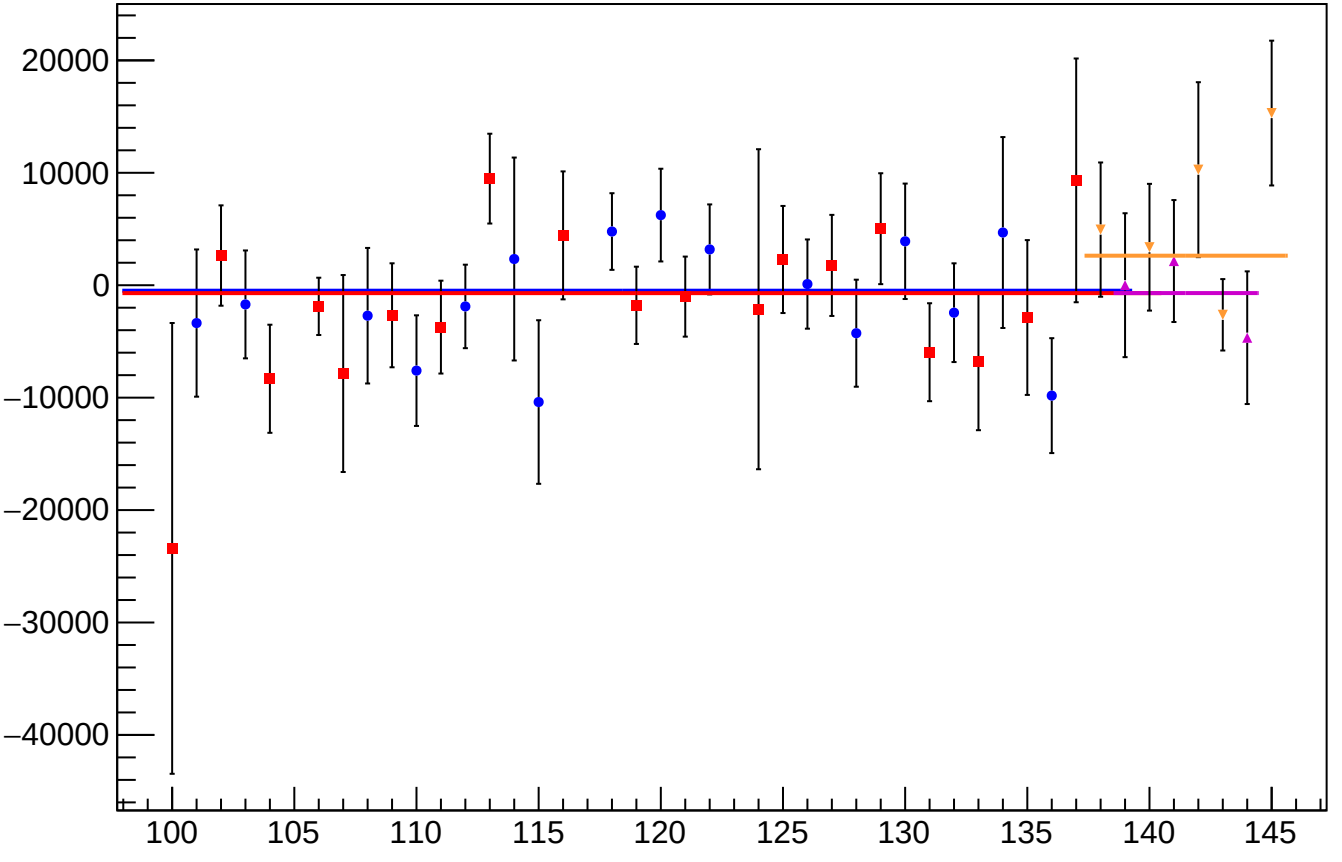
Left In: 2013.191+/-0.878 χ^2/NDF:5433.1/2

+ sign 1768.395+/-0.387 χ^2/NDF: 904547.2/20

All: 1788.000+/-0.281 χ^2/NDF: 1202741.4/42

- sign 1810.049+/-0.410 χ^2/NDF: 292733.9/21

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

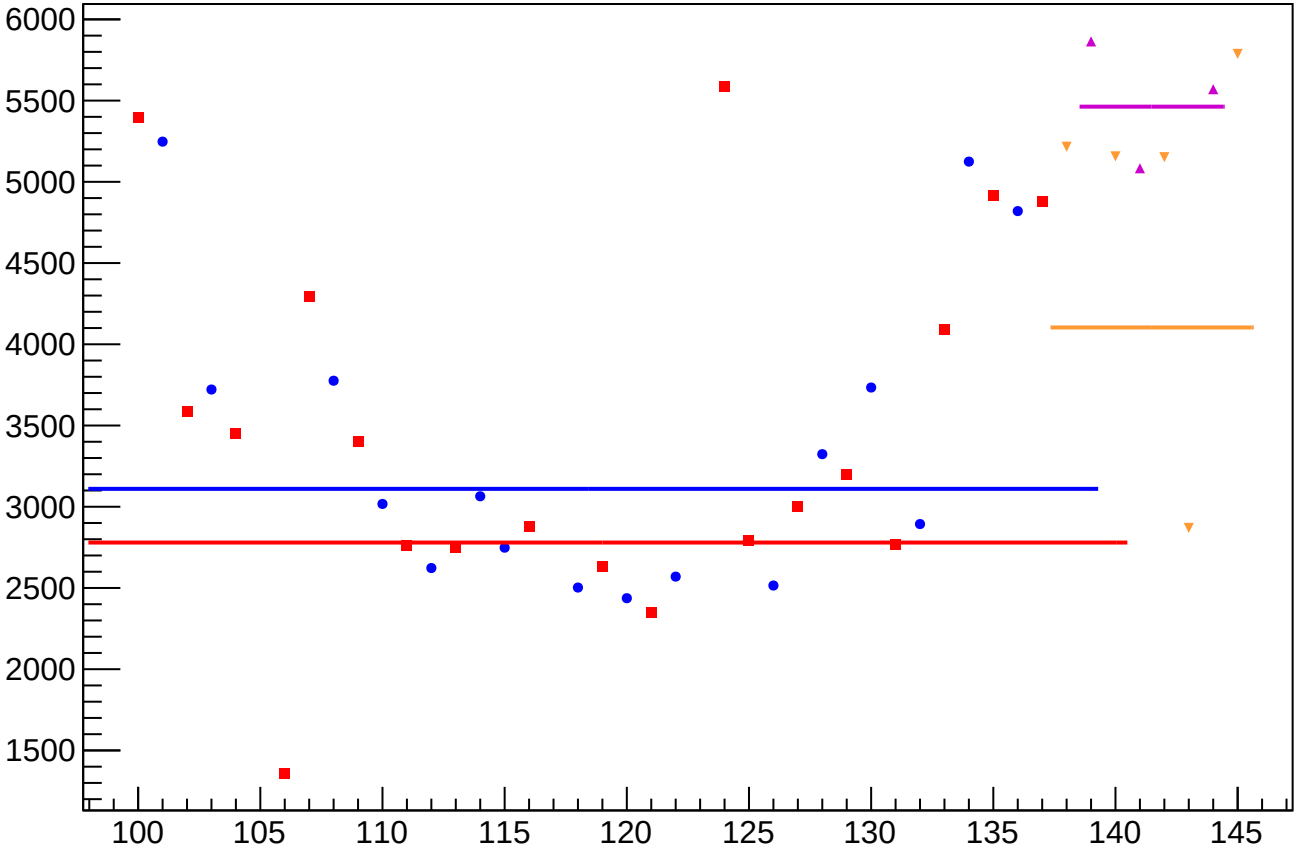
Left In: -698.234+/-3387.832 χ^2/NDF:0.7/2

+ sign 205.137+/-1056.768 χ^2/NDF: 25.0/20

All: -264.996+/-733.850 χ^2/NDF: 45.0/42

- sign -702.862+/-1019.858 χ^2/NDF: 19.6/21

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

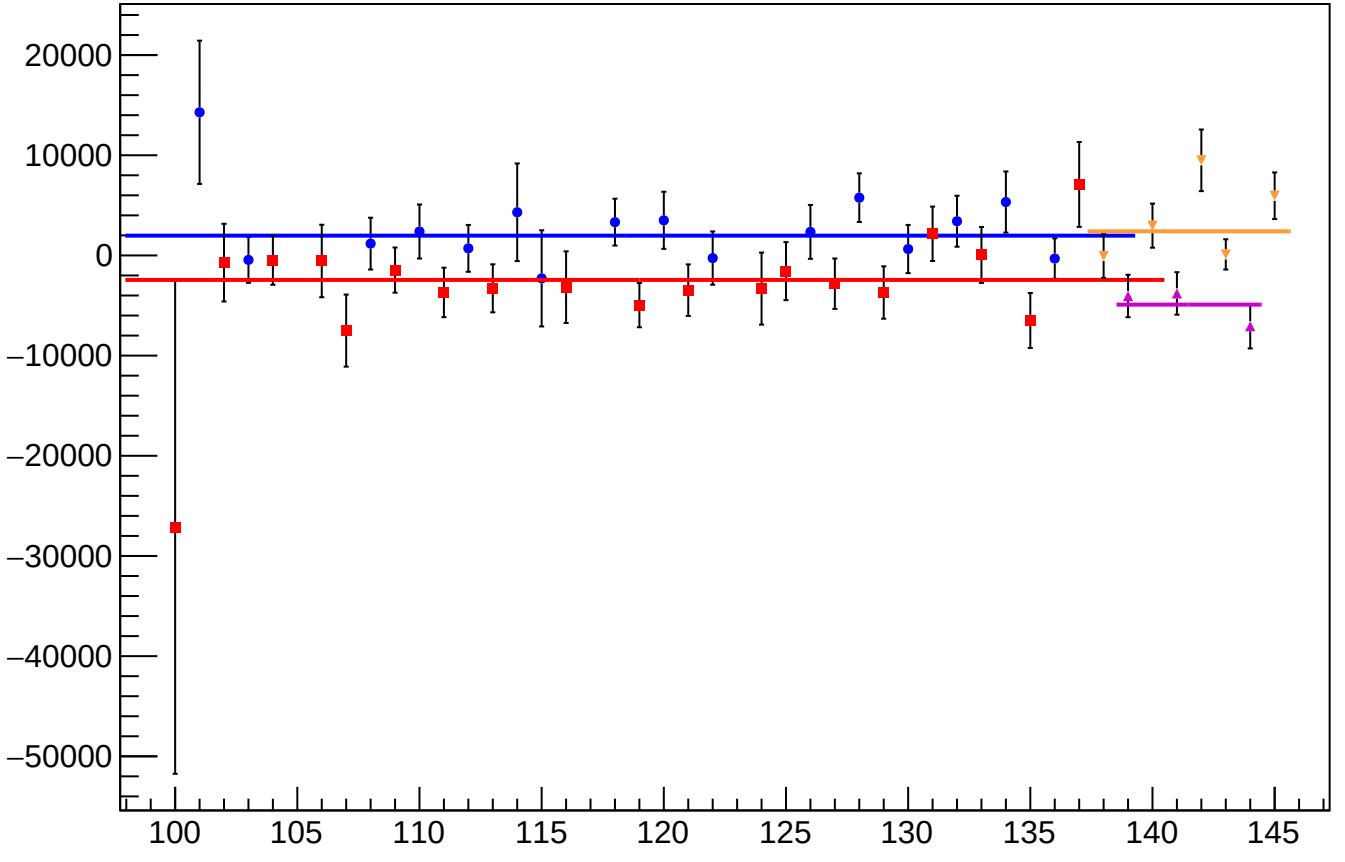
Left In: 5462.744+/-2.396 χ^2/NDF:18318.9/2

+ sign 3331.201+/-0.747 χ^2/NDF: 1803118.5/20

All: 3171.511+/-0.519 χ^2/NDF: 4398582.8/42

- sign 3022.780+/-0.721 χ^2/NDF: 2507258.9/21

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

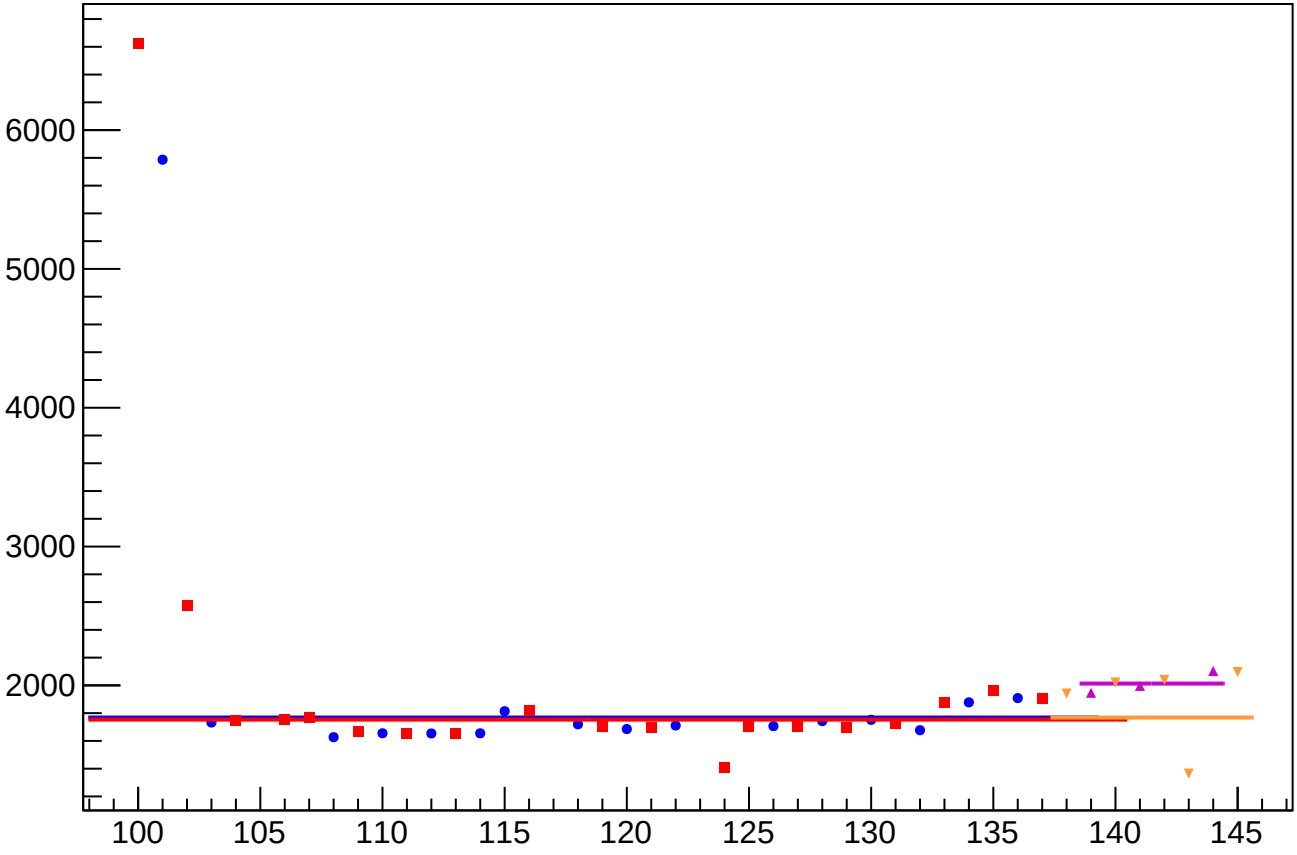
Left In: -4908.647+/-1241.933 χ^2/NDF:1.4/2

+ sign 2123.952+/-546.904 χ^2/NDF: 23.9/20

All: -274.792+/-398.297 χ^2/NDF: 86.8/42

- sign -2983.955+/-581.215 χ^2/NDF: 21.9/21

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

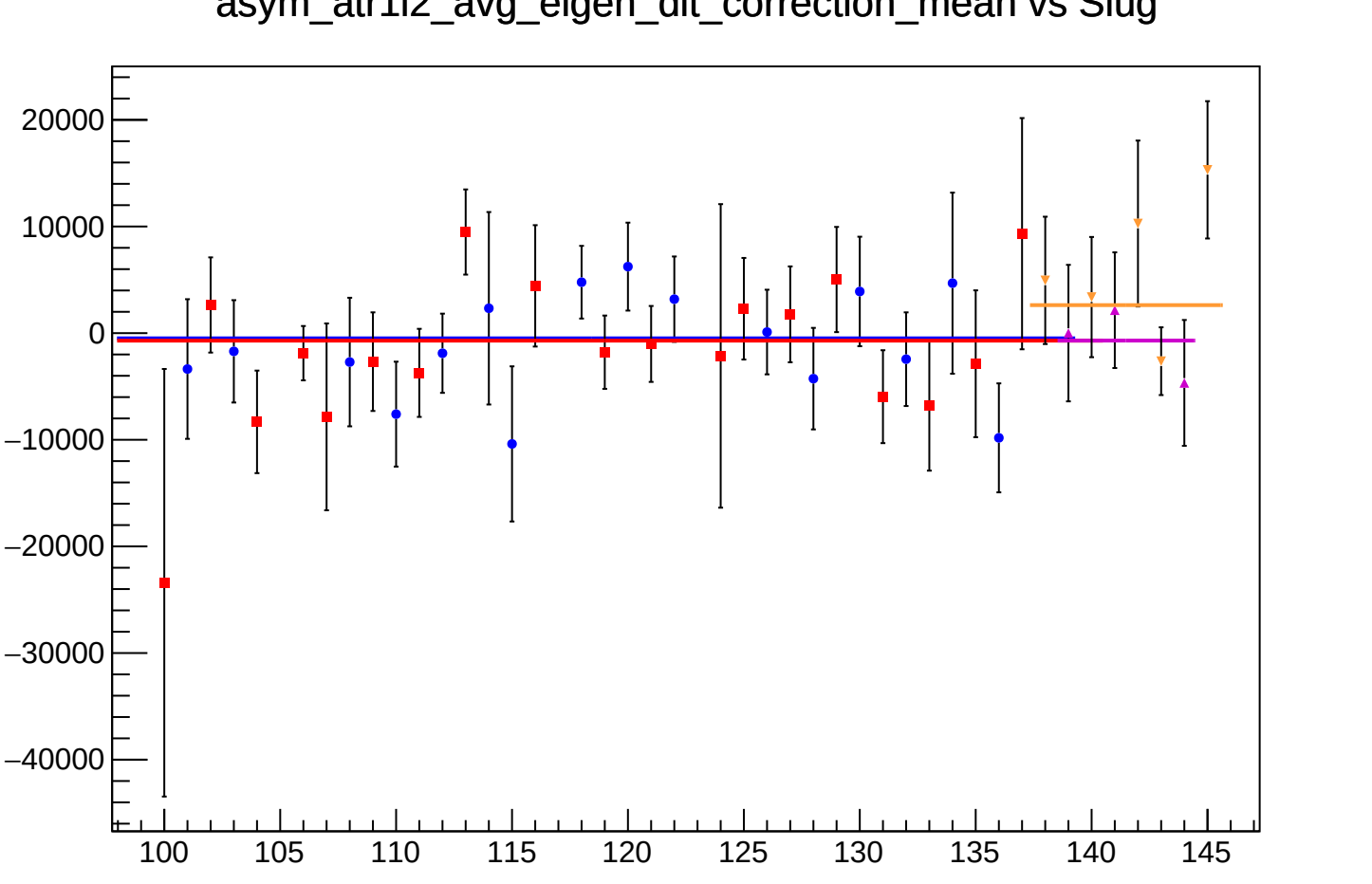
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 2013.193+/-0.878 χ^2/NDF:5433.2/2

+ sign 1768.395+/-0.387 χ^2/NDF: 904548.3/20

All: 1788.000+/-0.281 χ^2/NDF: 1202743.3/42

- sign 1810.049+/-0.410 χ^2/NDF: 292734.7/21



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

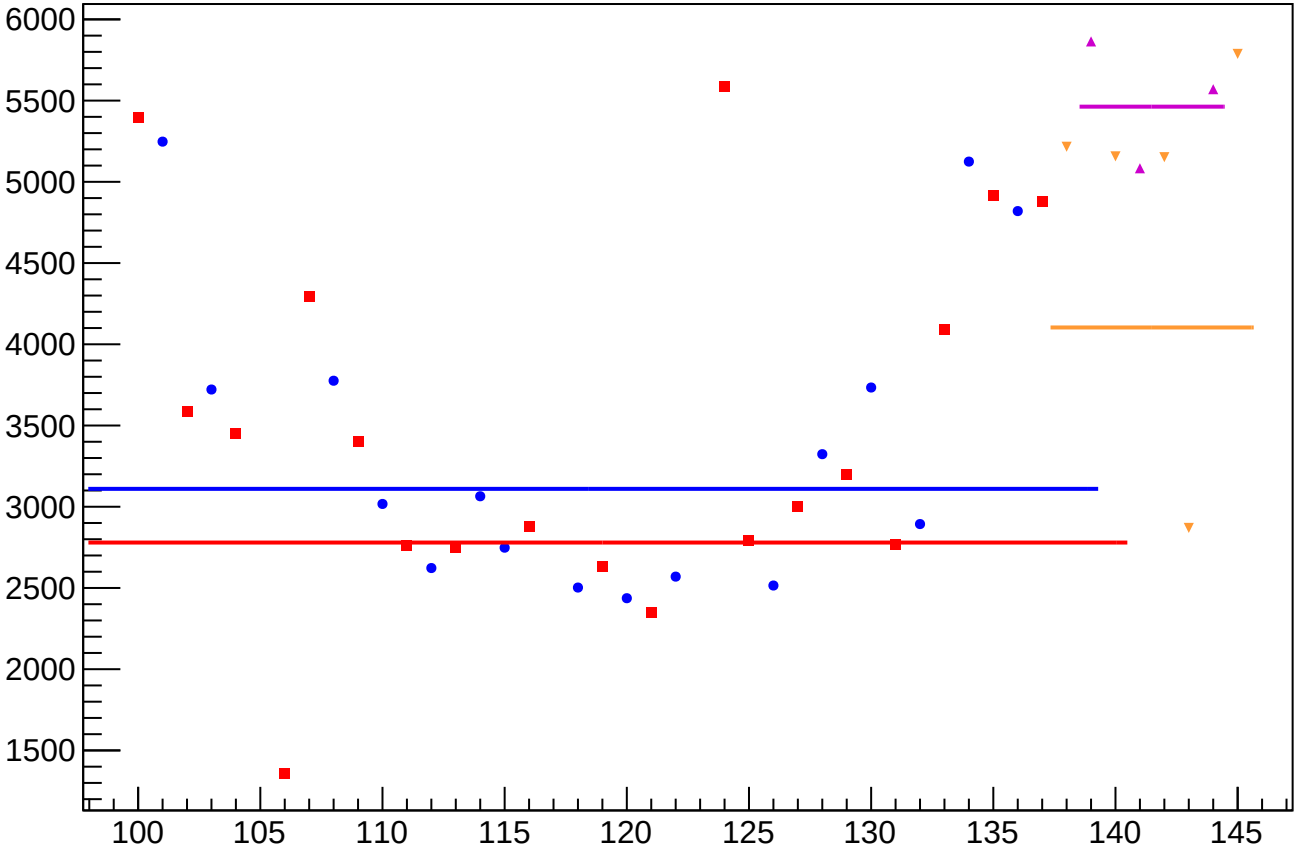
Left In: -698.236+/-3387.839 χ^2/NDF:0.7/2

+ sign 205.137+/-1056.765 χ^2/NDF: 25.0/20

All: -264.998+/-733.848 χ^2/NDF: 45.0/42

- sign -702.864+/-1019.854 χ^2/NDF: 19.6/21

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

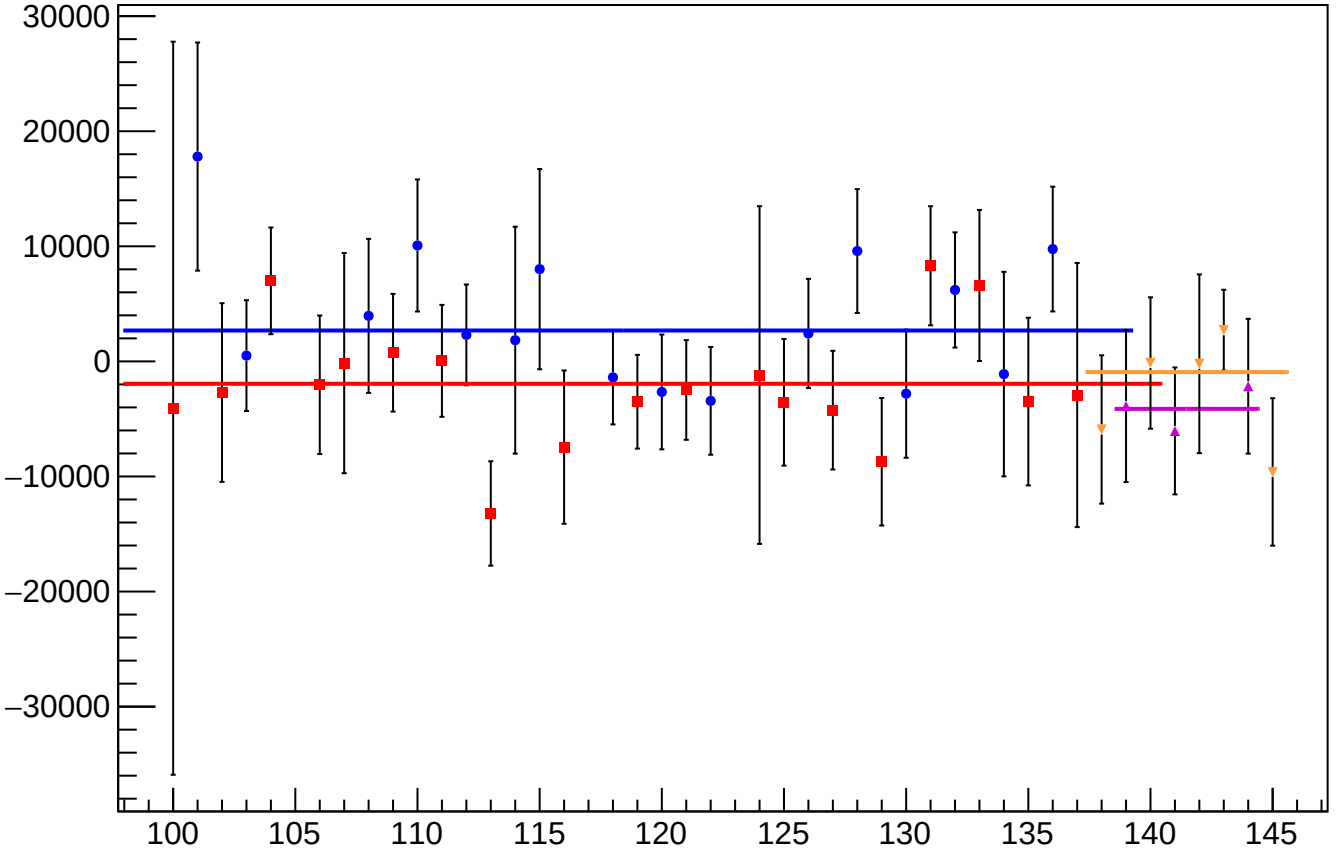
Left In: 5462.756+/-2.396 χ^2/NDF:18319.3/2

\+ sign 3331.192+/-0.747 χ^2/NDF: 1803142.6/20

All: 3171.499+/-0.519 χ^2/NDF: 4398646.5/42

\- sign 3022.767+/-0.721 χ^2/NDF: 2507295.7/21

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

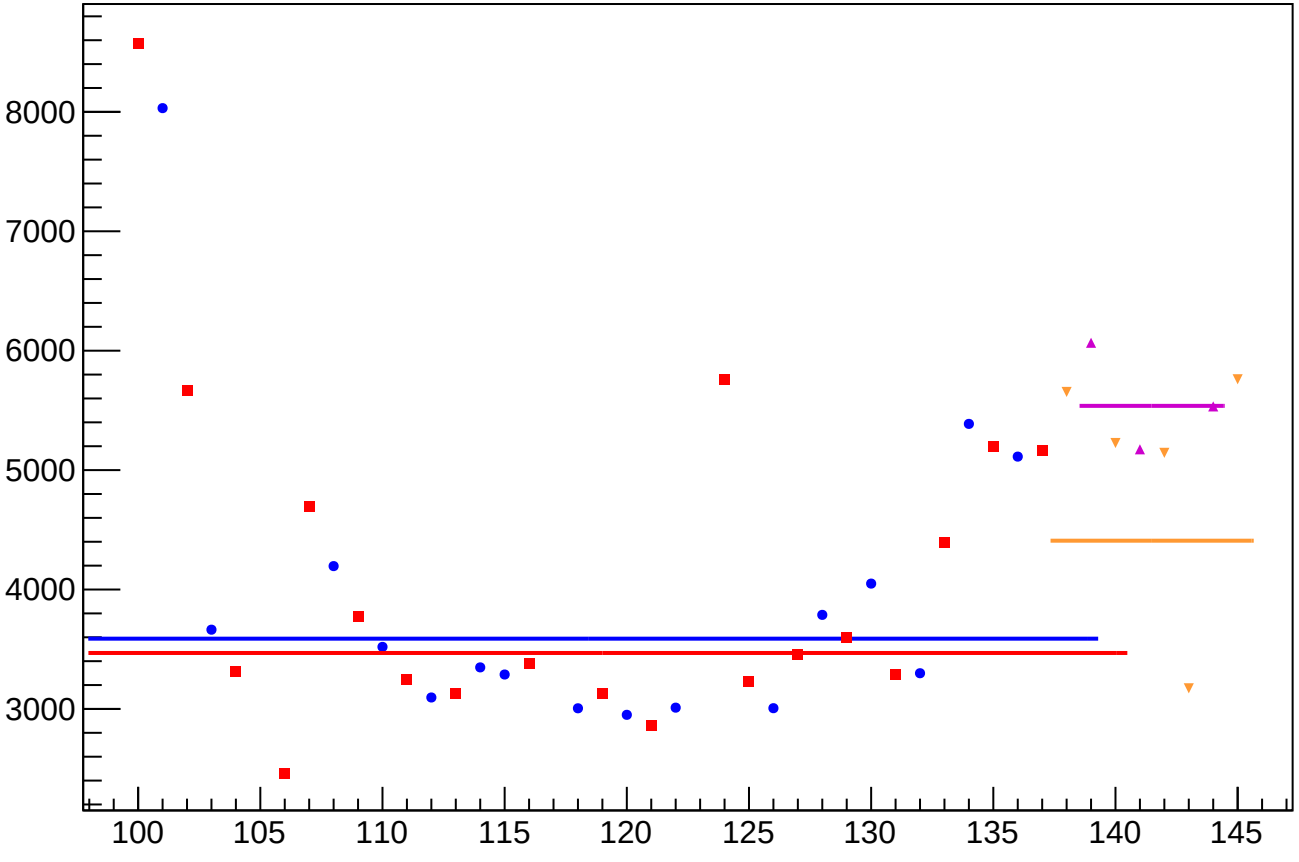
Left In: -4124.047+/-3431.880 χ^2/NDF:0.2/2

+ sign 1774.823+/-1193.546 χ^2/NDF: 18.7/20

All: -147.658+/-860.767 χ^2/NDF: 43.4/42

- sign -2231.242+/-1242.549 χ^2/NDF: 19.3/21

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

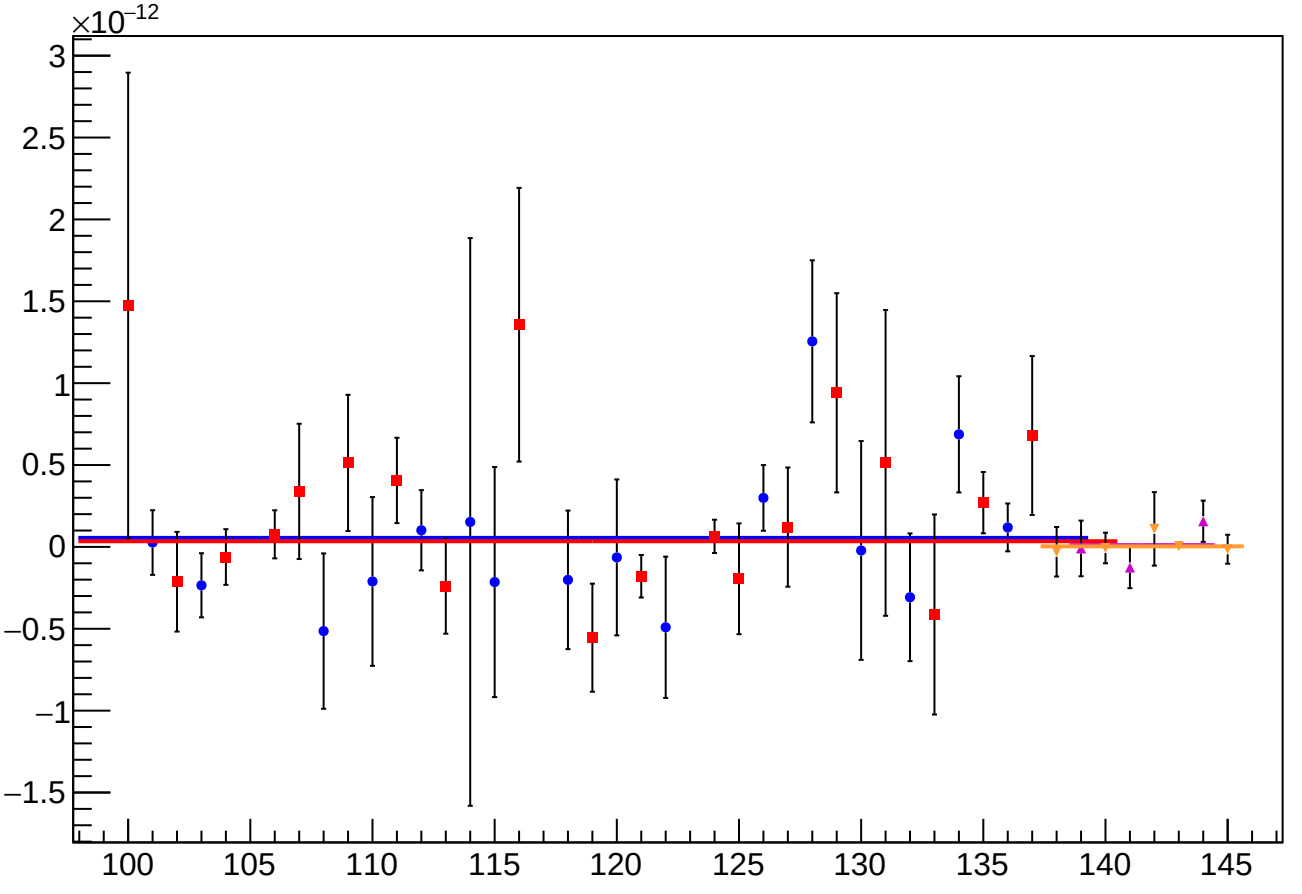
Left In: 5538.050+/-2.427 χ^2/NDF:21476.6/2

+ sign 3795.089+/-0.844 χ^2/NDF: 1493954.2/20

All: 3764.767+/-0.605 χ^2/NDF: 2819021.9/42

- sign 3732.768+/-0.867 χ^2/NDF: 1322414.7/21

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

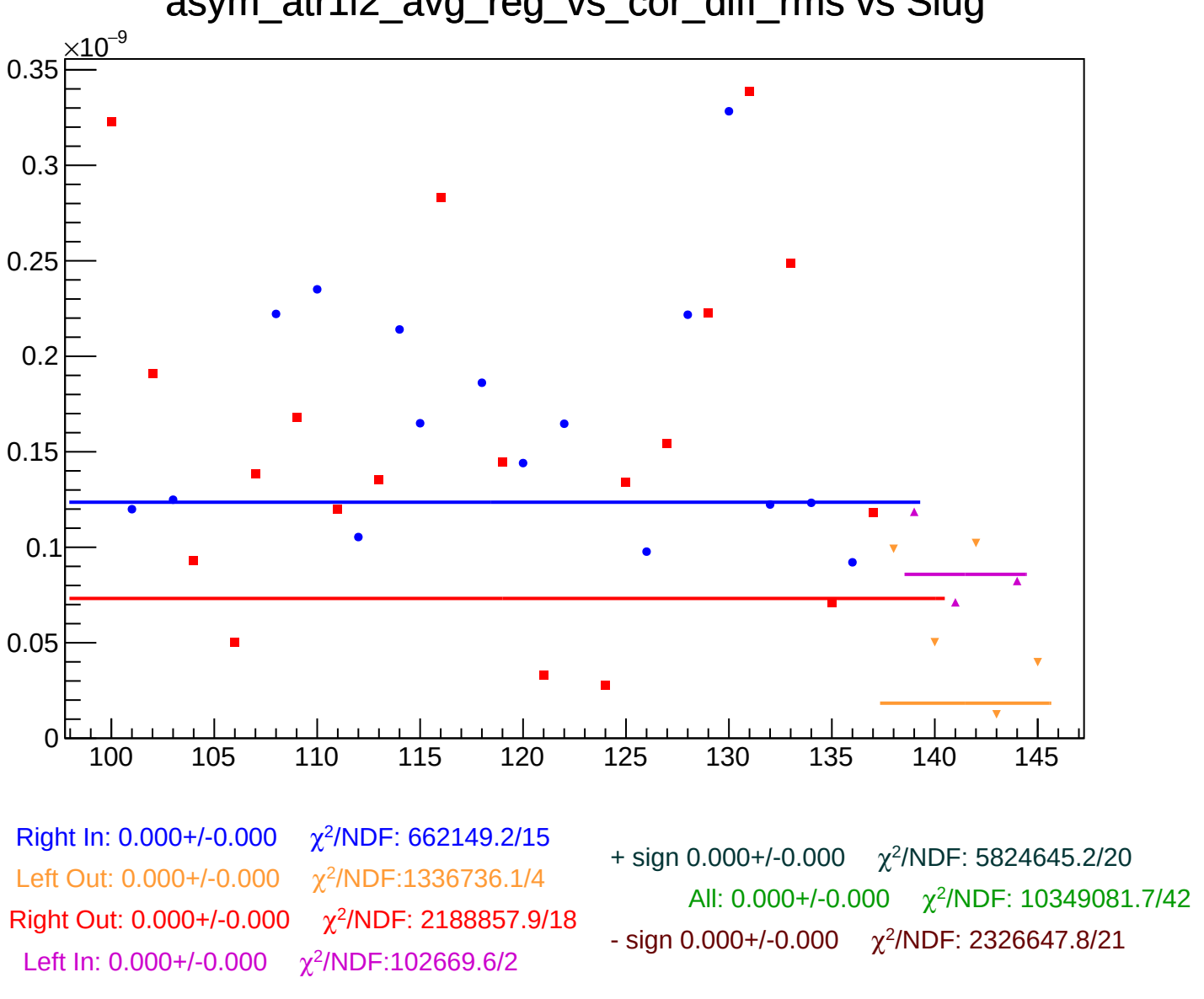
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/2

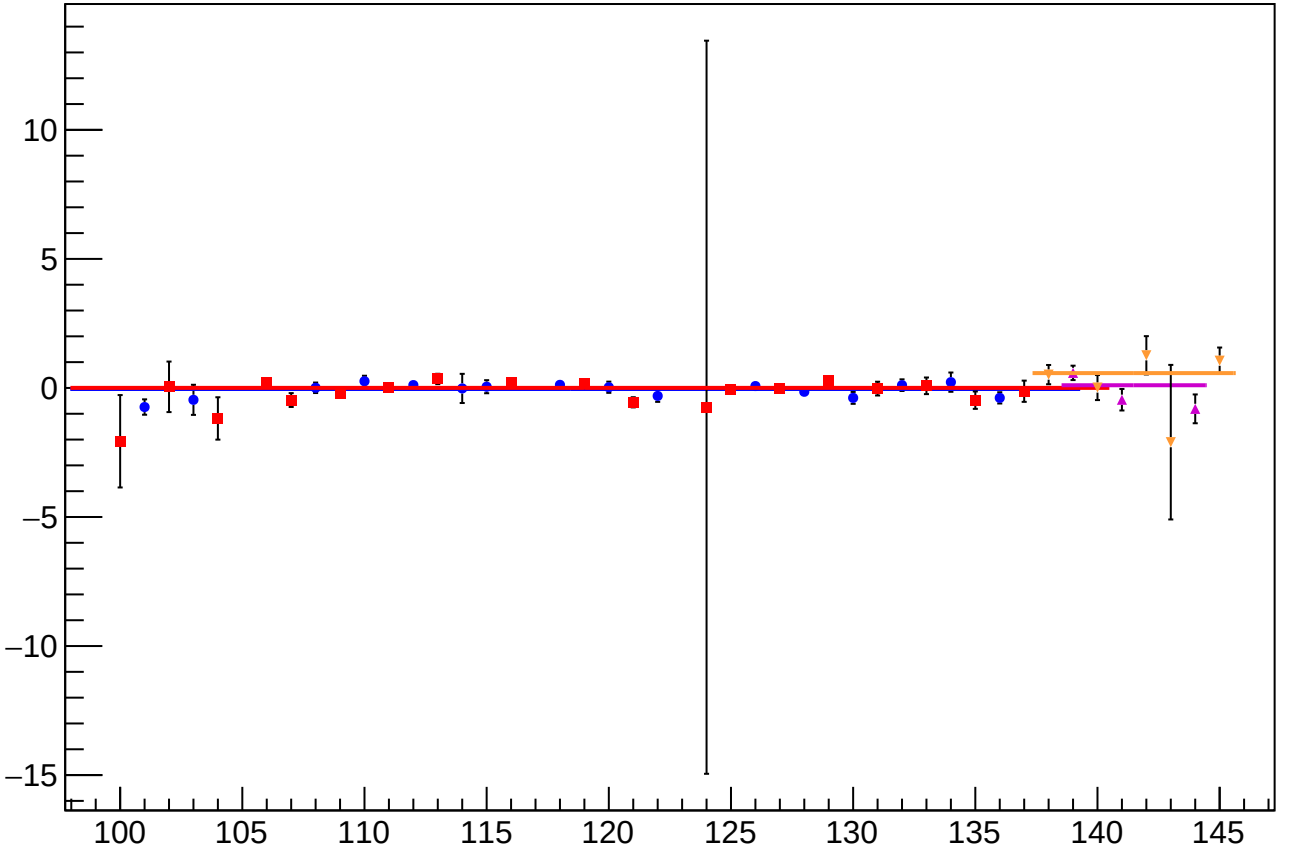
+ sign 0.000+/-0.000 χ^2/NDF: 18.5/20

All: 0.000+/-0.000 χ^2/NDF: 43.5/42

- sign 0.000+/-0.000 χ^2/NDF: 24.8/21


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
105
110
115
120
125
130
135
140
145
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:102669.6/2
+ sign 0.000+/-0.000 χ²/NDF: 5824645.2/20
All: 0.000+/-0.000 χ²/NDF: 10349081.7/42
- sign 0.000+/-0.000 χ²/NDF: 2326647.8/21

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

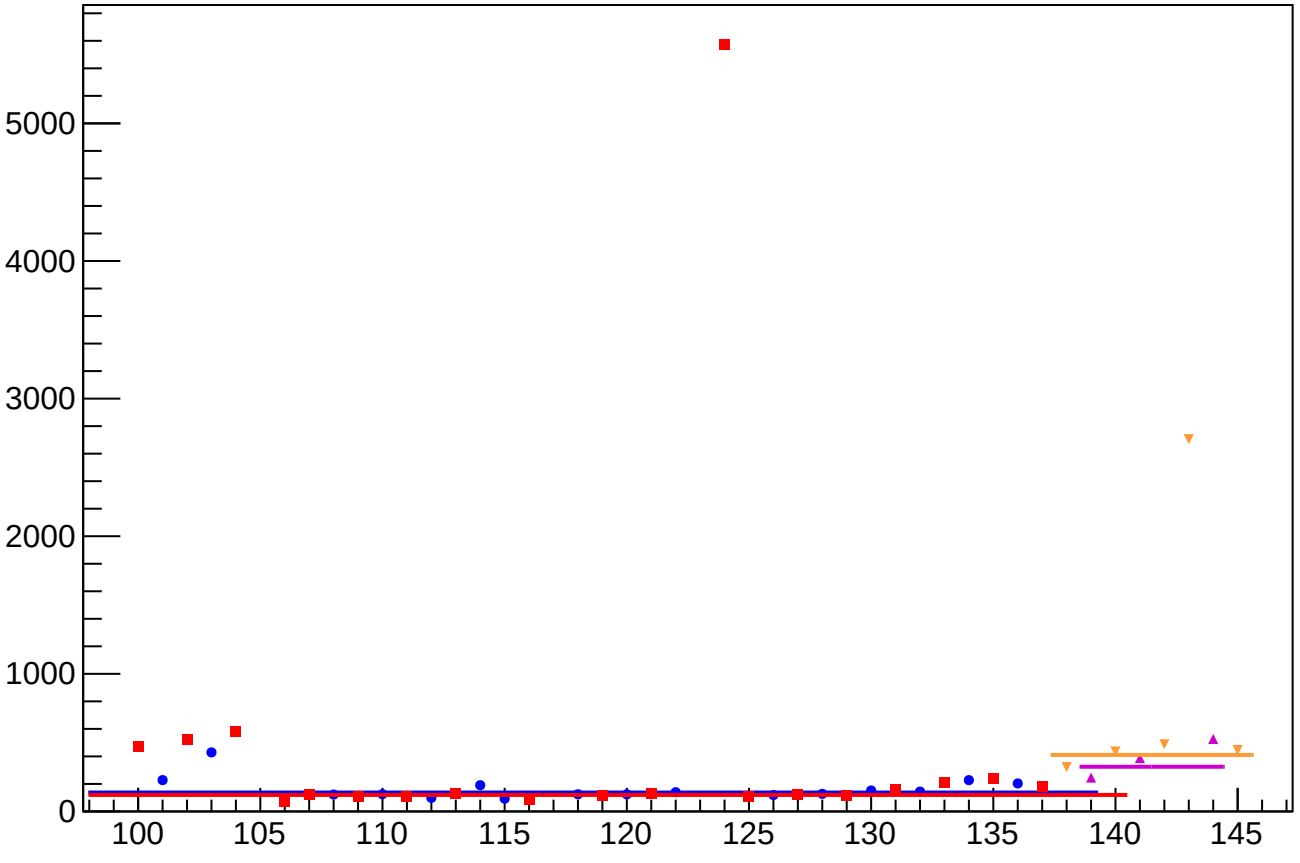
Left In: 0.105+/-0.214 χ^2/NDF:7.5/2

+ sign -0.008+/-0.054 χ^2/NDF: 28.0/20

All: 0.001+/-0.037 χ^2/NDF: 64.4/42

- sign 0.008+/-0.050 χ^2/NDF: 36.4/21

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

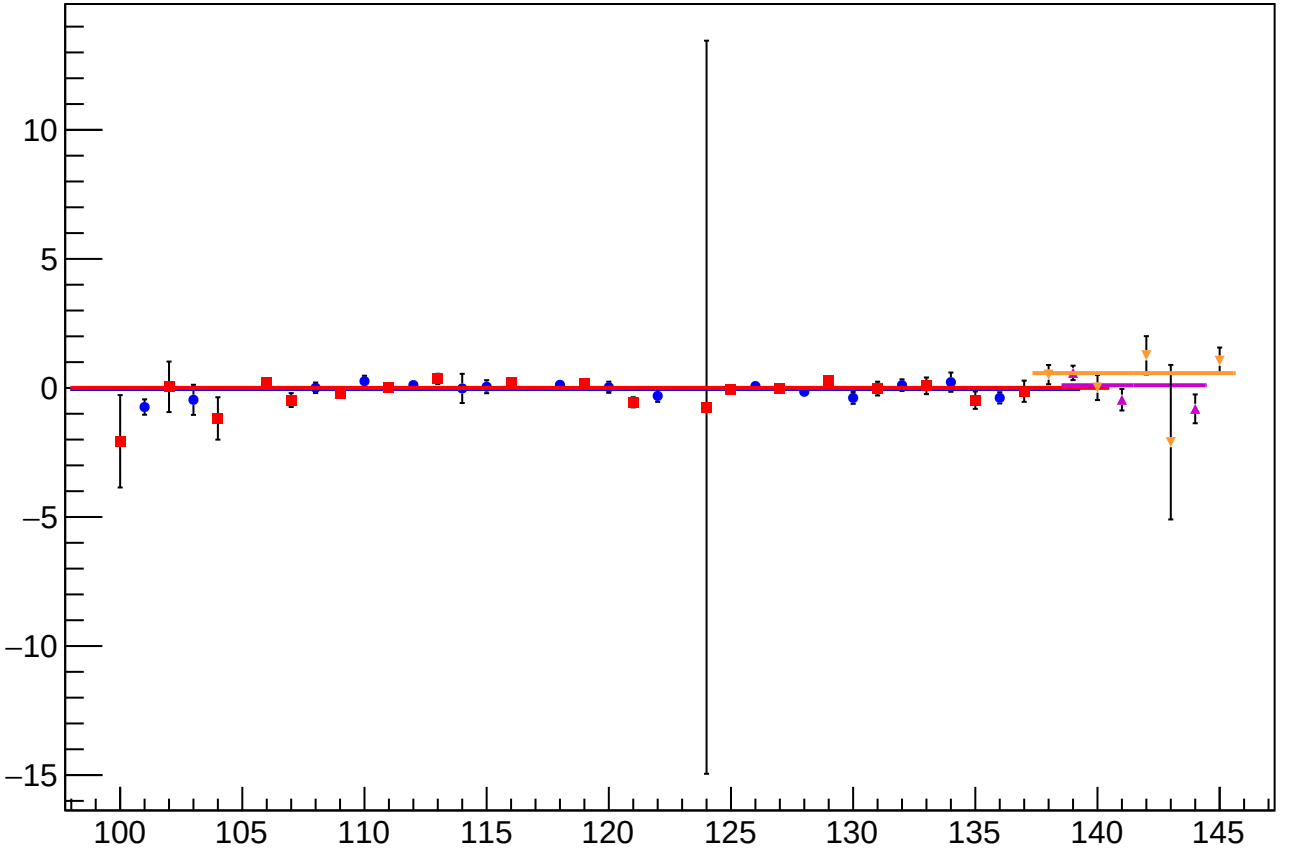
Left In: 324.831+/-0.151 χ^2/NDF:467634.8/2

+ sign 151.309+/-0.038 χ^2/NDF: 5033418.3/20

All: 140.200+/-0.026 χ^2/NDF: 9526998.2/42

- sign 130.979+/-0.035 χ^2/NDF: 4340852.9/21

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

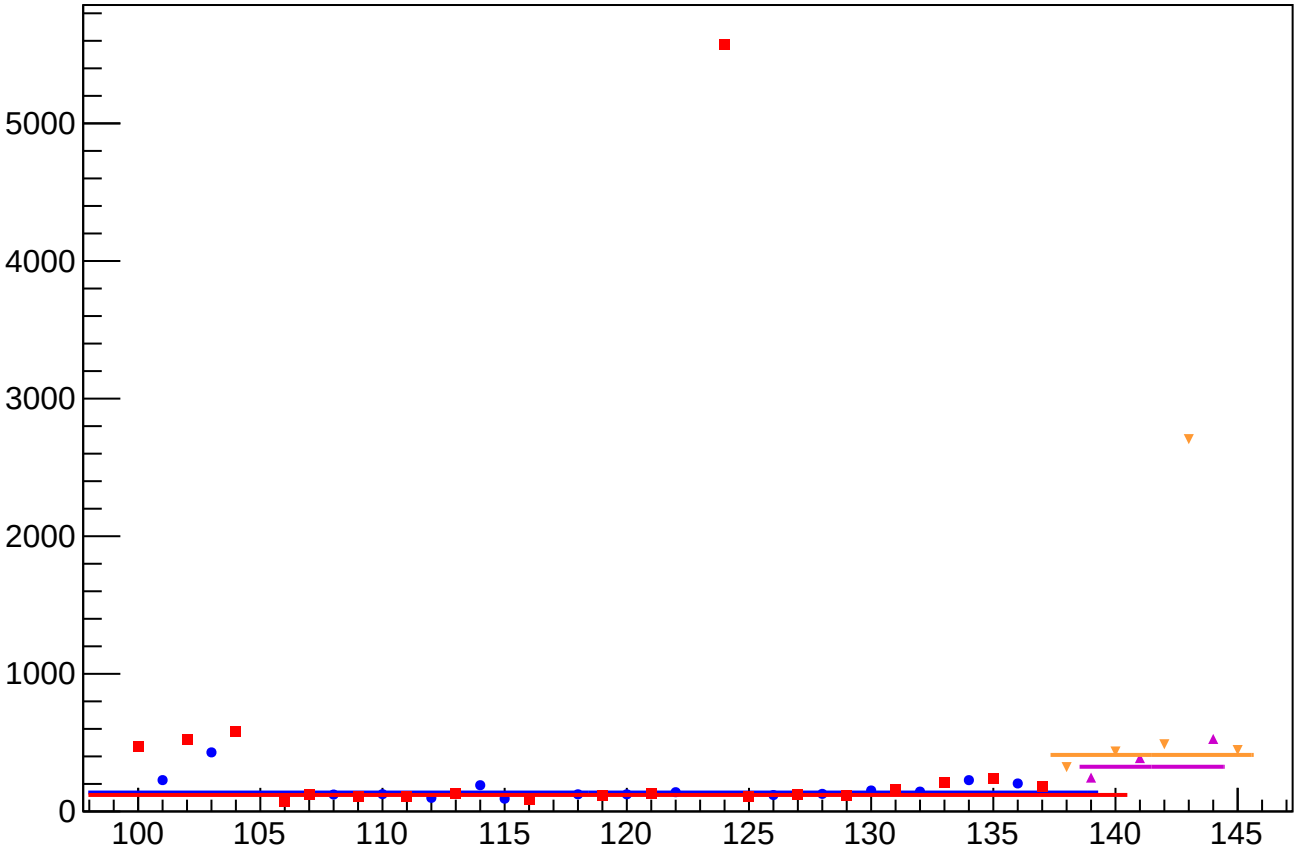
Left In: 0.105+/-0.214 χ^2/NDF:7.5/2

+ sign -0.008+/-0.054 χ^2/NDF: 28.0/20

All: 0.001+/-0.037 χ^2/NDF: 64.4/42

- sign 0.008+/-0.050 χ^2/NDF: 36.4/21

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

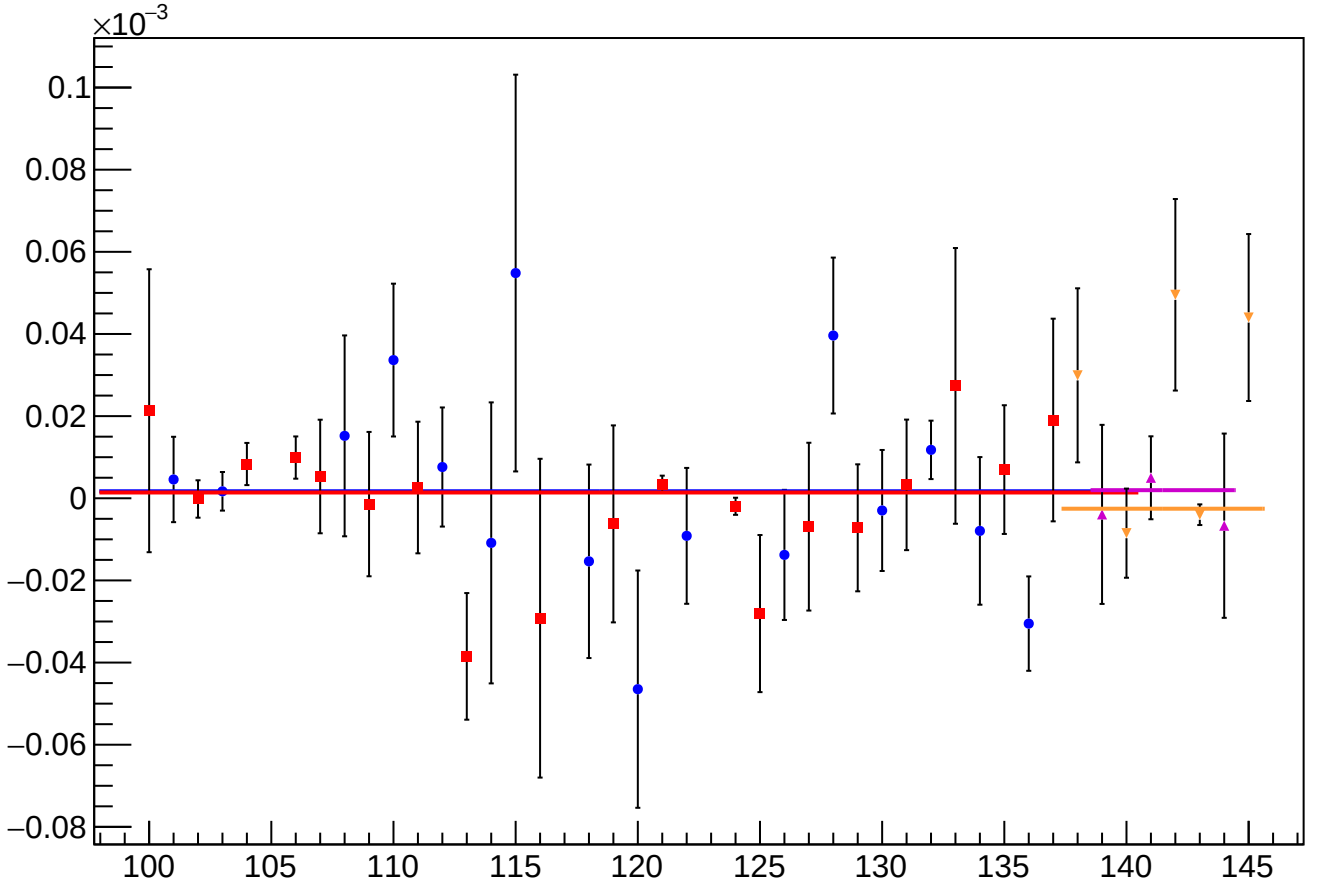
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 324.831+/-0.151 χ^2/NDF:467634.8/2

+ sign 151.309+/-0.038 χ^2/NDF: 5033418.3/20

All: 140.200+/-0.026 χ^2/NDF: 9526998.2/42

- sign 130.979+/-0.035 χ^2/NDF: 4340852.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/4

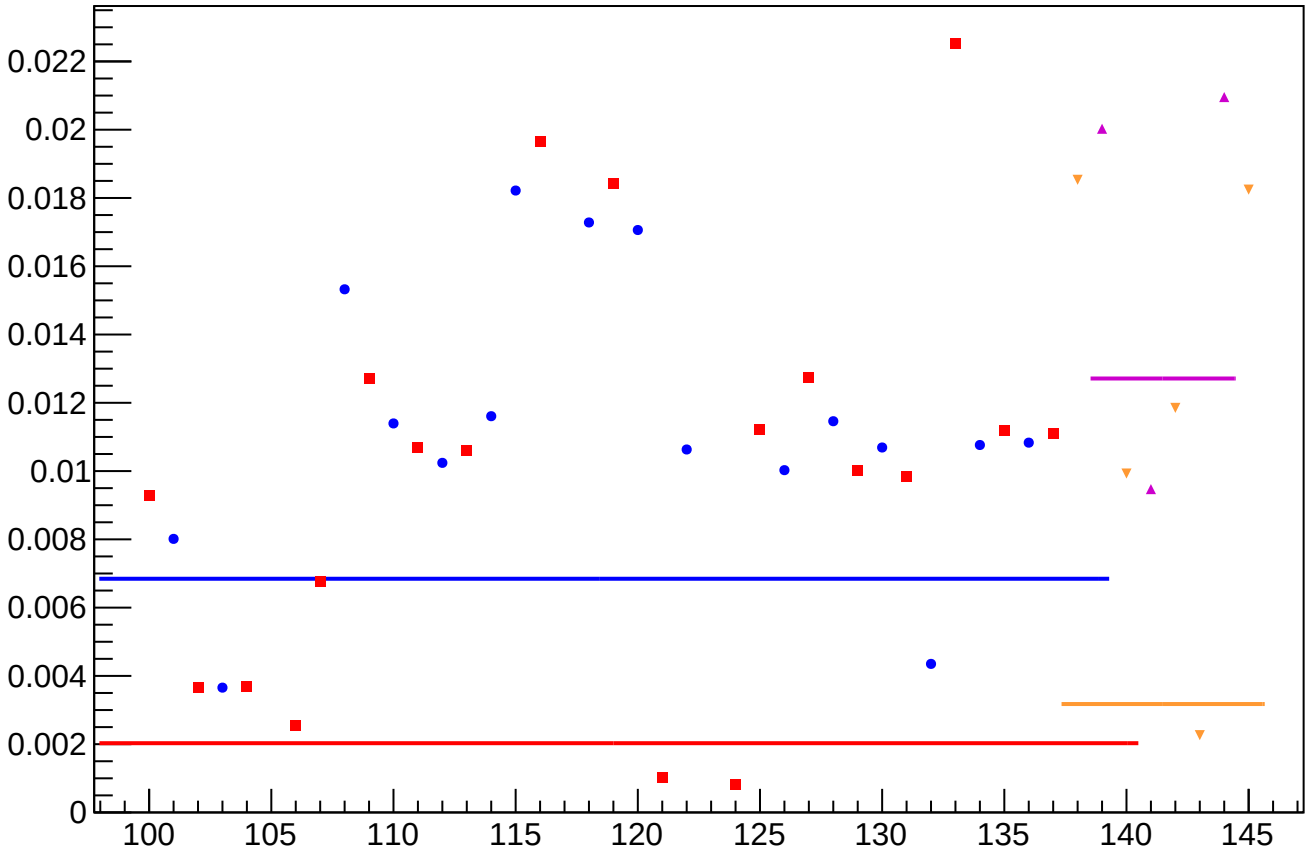
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/20

All: 0.000+/-0.000 χ^2/NDF: 59.8/42

- sign 0.000+/-0.000 χ^2/NDF: 20.6/21



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

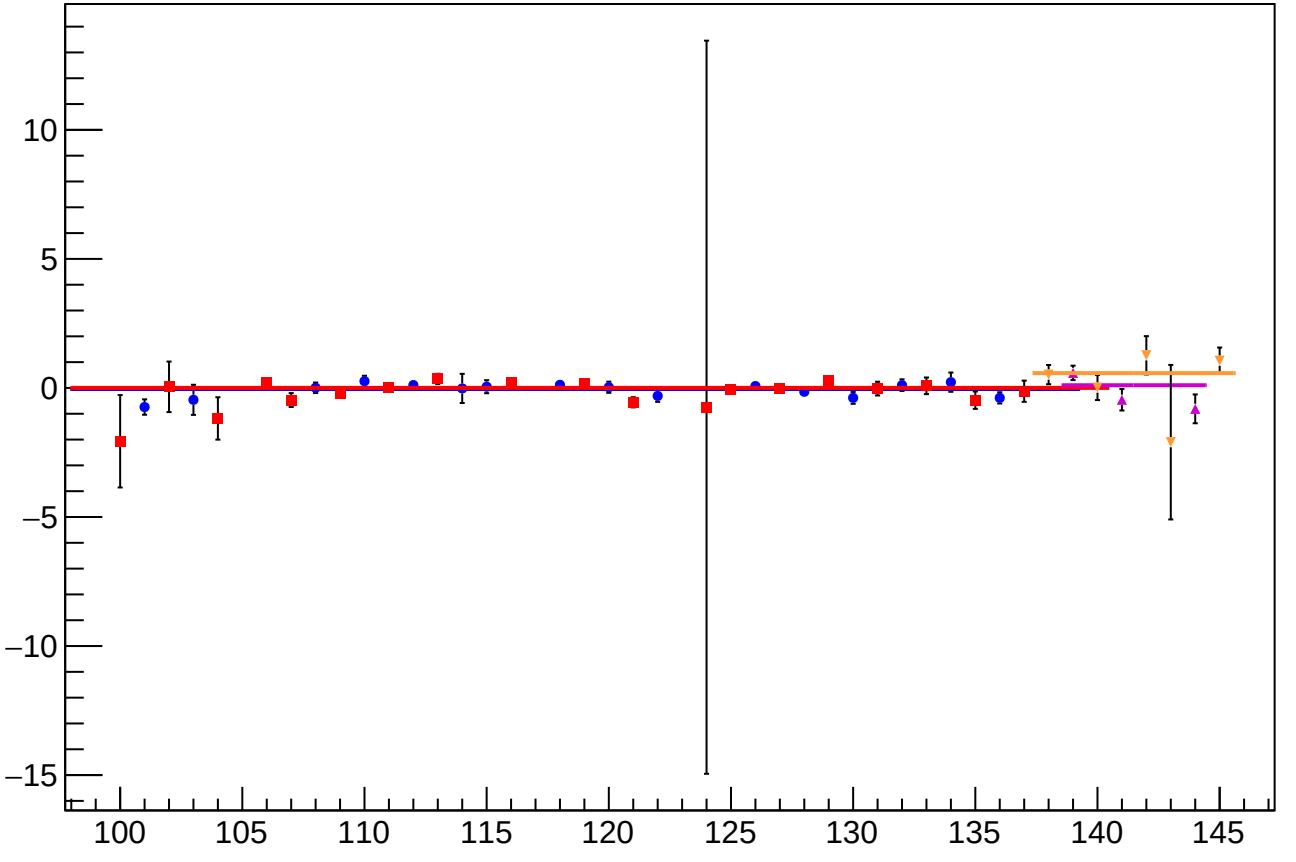
Left In: 0.013+/-0.000 χ^2/NDF:701415.0/2

+ sign 0.005+/-0.000 χ^2/NDF: 8539025.2/20

All: 0.003+/-0.000 χ^2/NDF: 23589300.9/42

- sign 0.002+/-0.000 χ^2/NDF: 12813724.6/21

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.575+/-0.241 χ^2/NDF:3.9/4

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

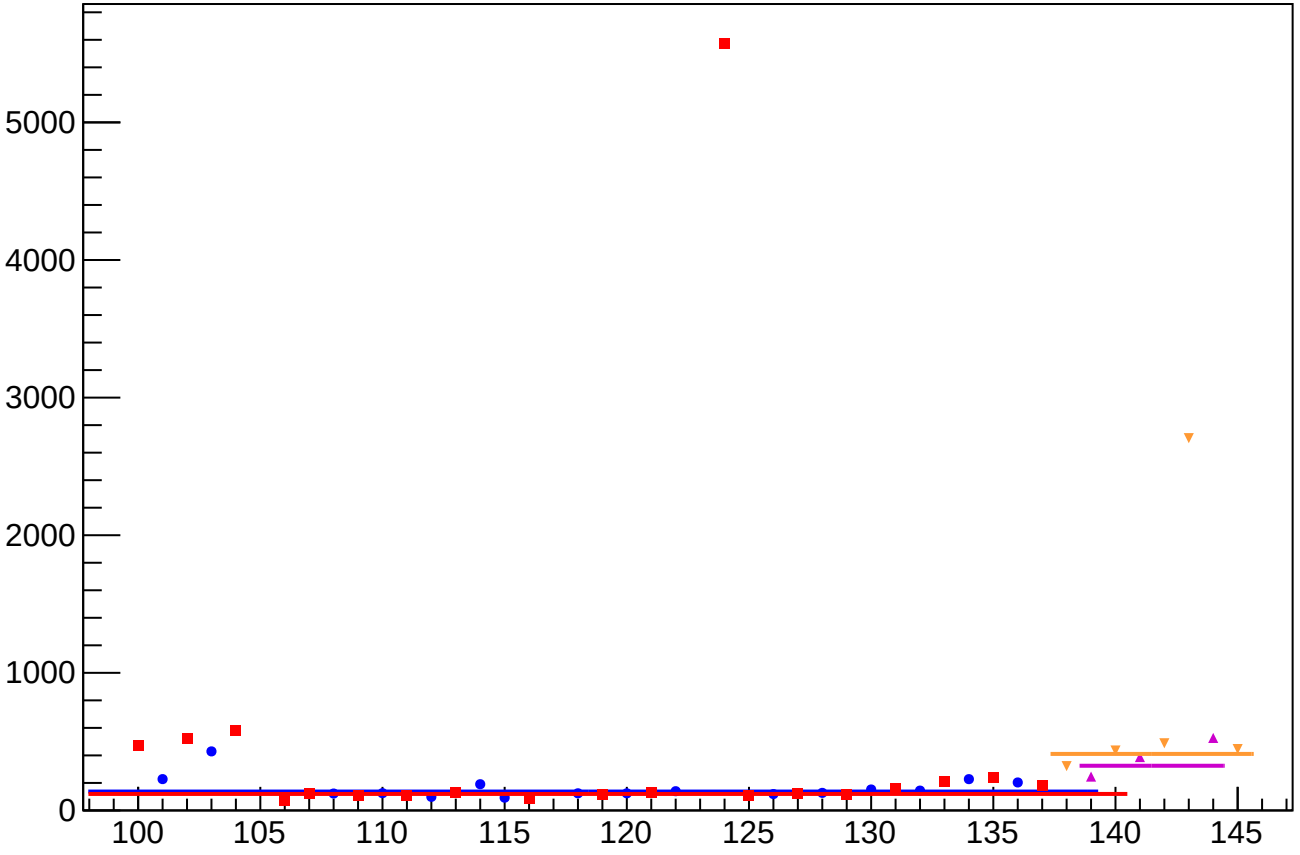
Left In: 0.105+/-0.214 χ^2/NDF:7.5/2

+ sign -0.008+/-0.054 χ^2/NDF: 28.0/20

All: 0.001+/-0.037 χ^2/NDF: 64.4/42

- sign 0.008+/-0.050 χ^2/NDF: 36.4/21

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

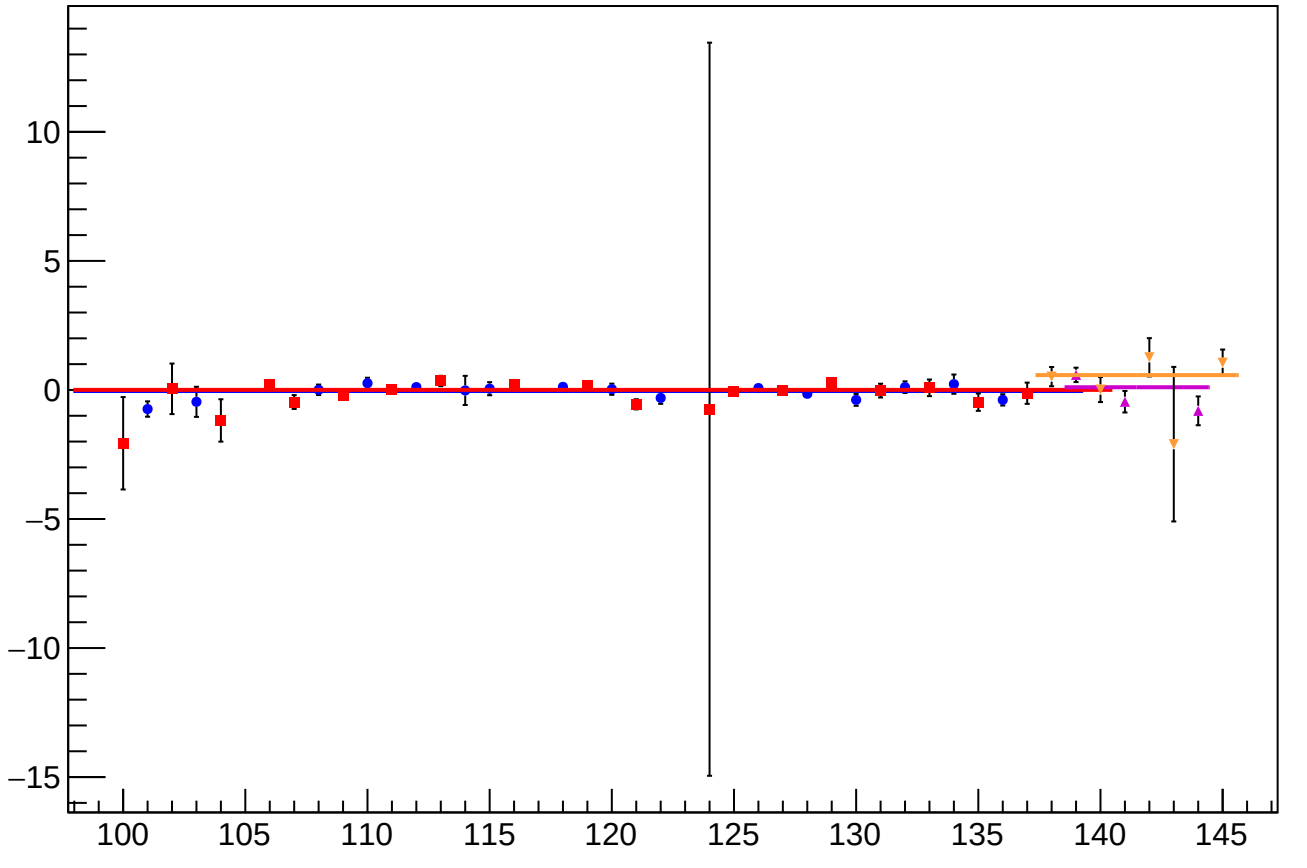
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 324.839+/-0.151 χ^2/NDF:467614.0/2

+ sign 151.310+/-0.038 χ^2/NDF: 5033386.0/20

All: 140.200+/-0.026 χ^2/NDF: 9526949.6/42

- sign 130.979+/-0.035 χ^2/NDF: 4340822.7/21



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.575+/-0.241 χ^2/NDF:3.9/4

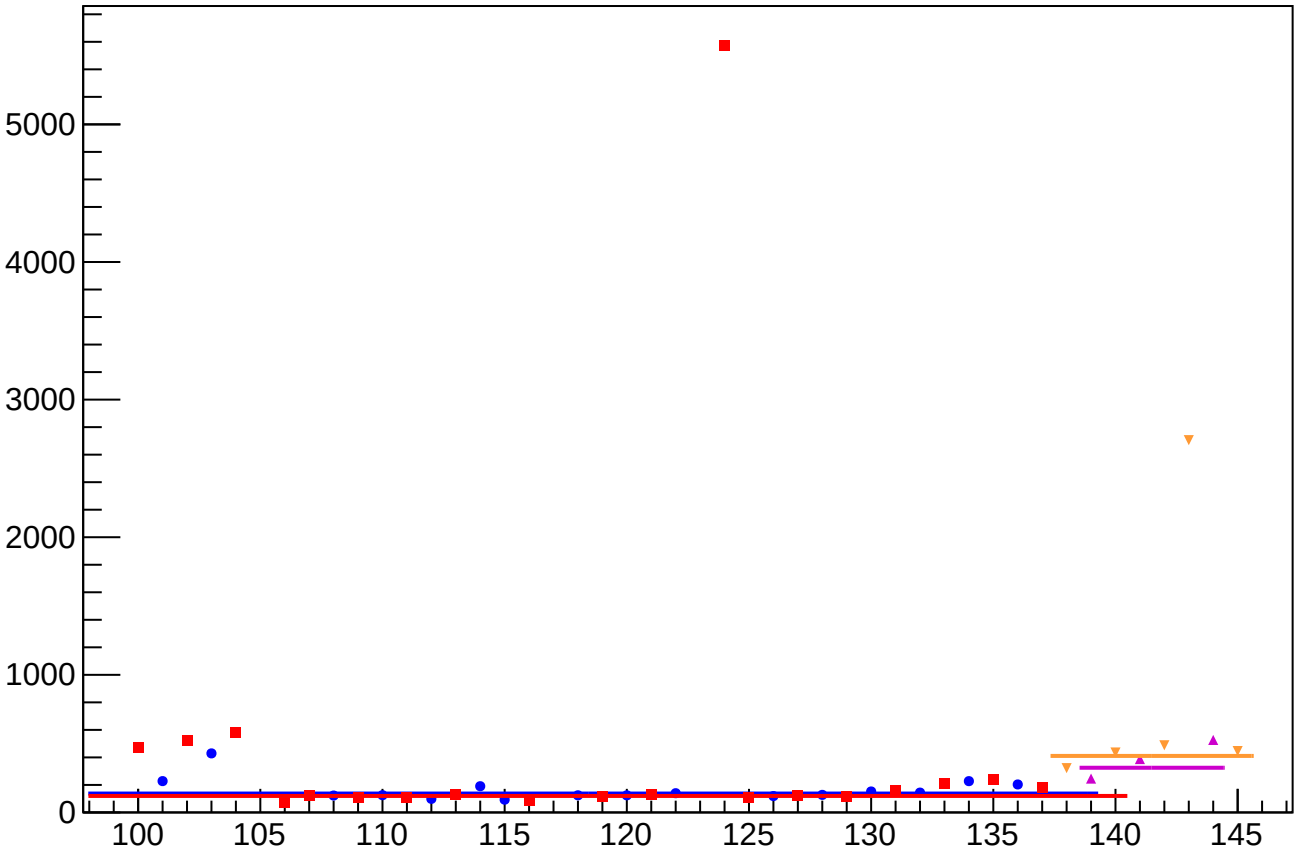
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.105+/-0.214 χ^2/NDF:7.5/2

+ sign -0.008+/-0.054 χ^2/NDF: 28.0/20

All: 0.001+/-0.037 χ^2/NDF: 64.4/42

- sign 0.008+/-0.050 χ^2/NDF: 36.4/21



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 410.838+/-0.170 χ^2/NDF:1324003.9/4

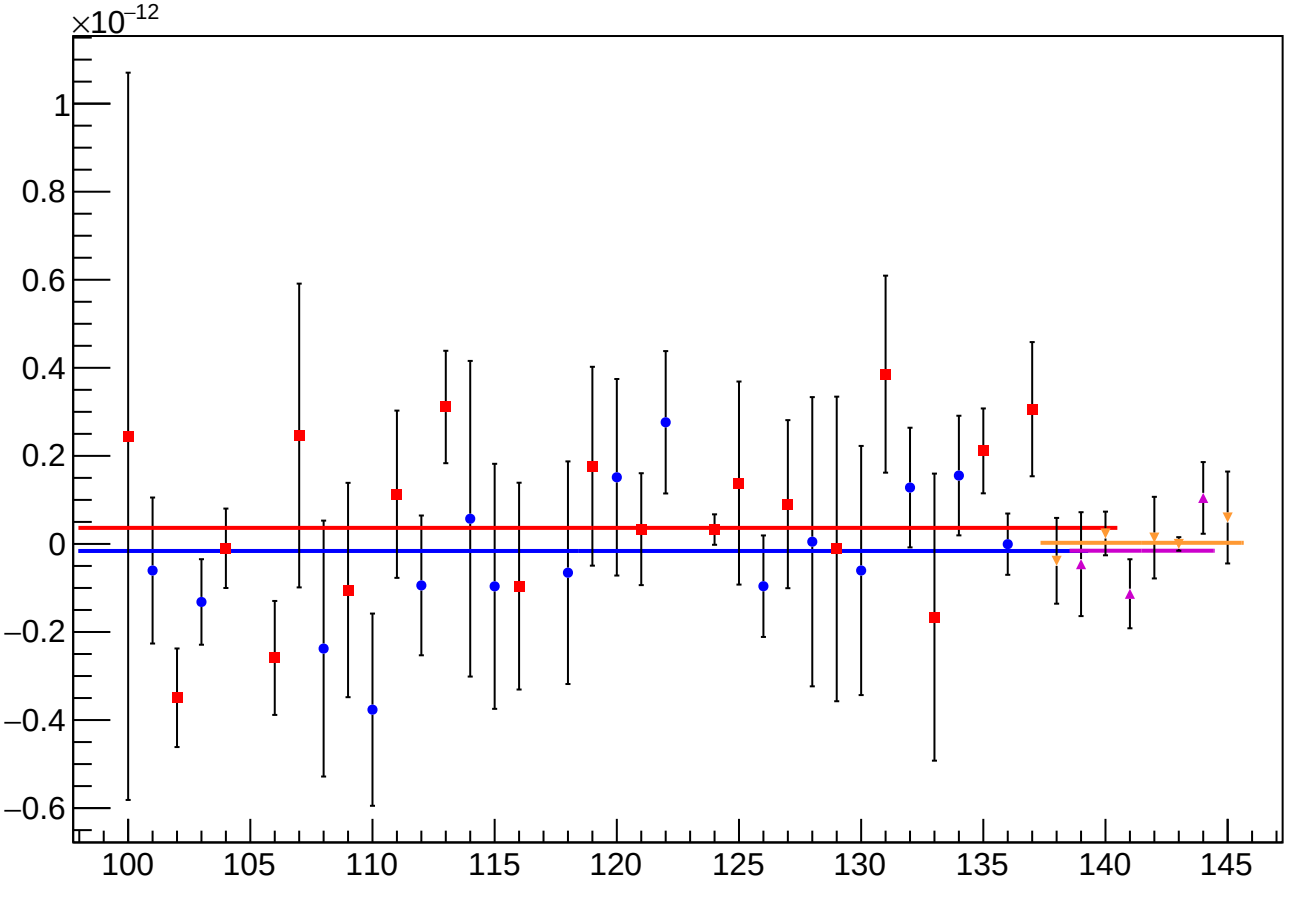
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 324.839+/-0.151 χ^2/NDF:467614.0/2

+ sign 151.310+/-0.038 χ^2/NDF: 5033386.0/20

All: 140.200+/-0.026 χ^2/NDF: 9526949.6/42

- sign 130.979+/-0.035 χ^2/NDF: 4340822.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/4

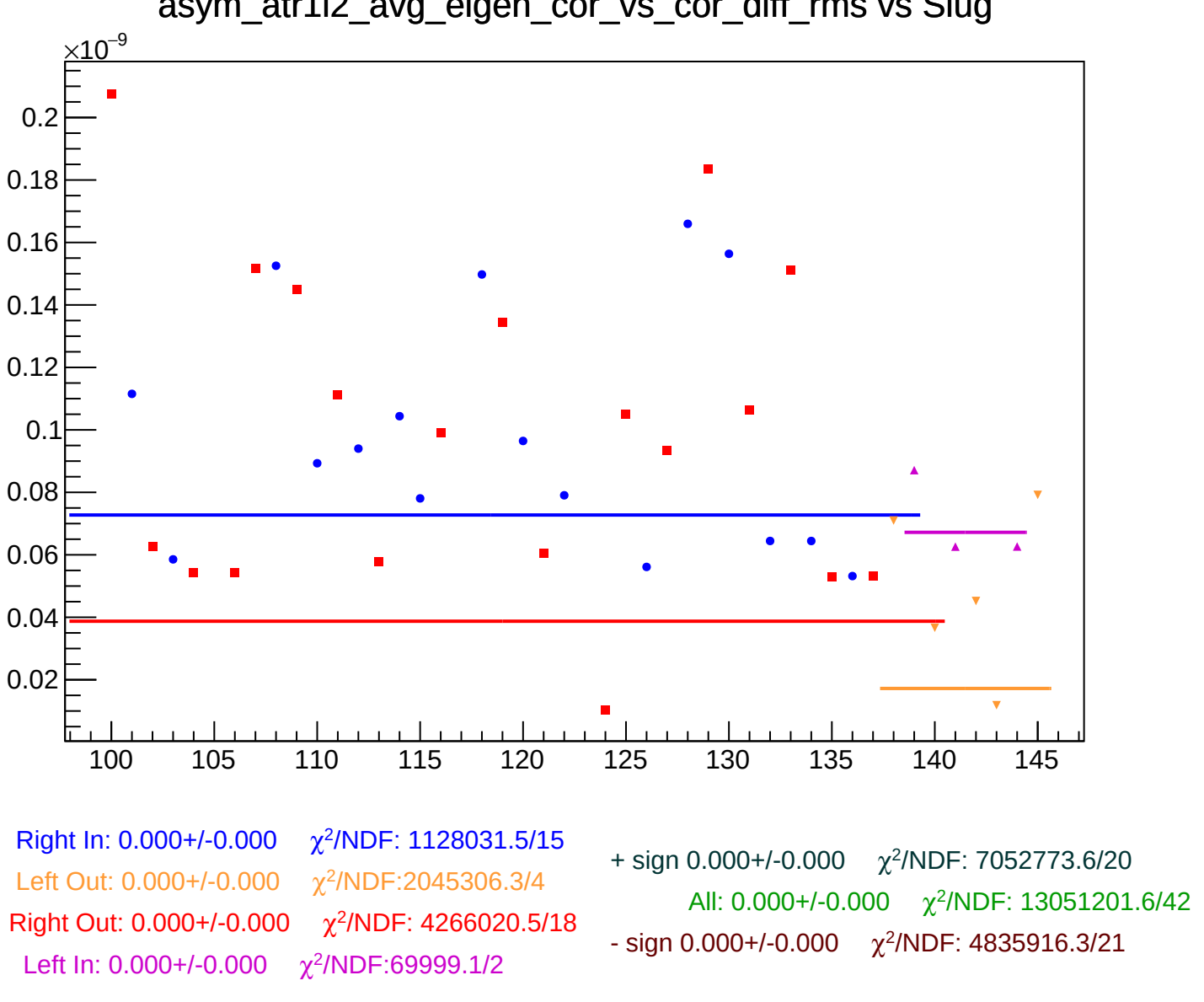
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/2

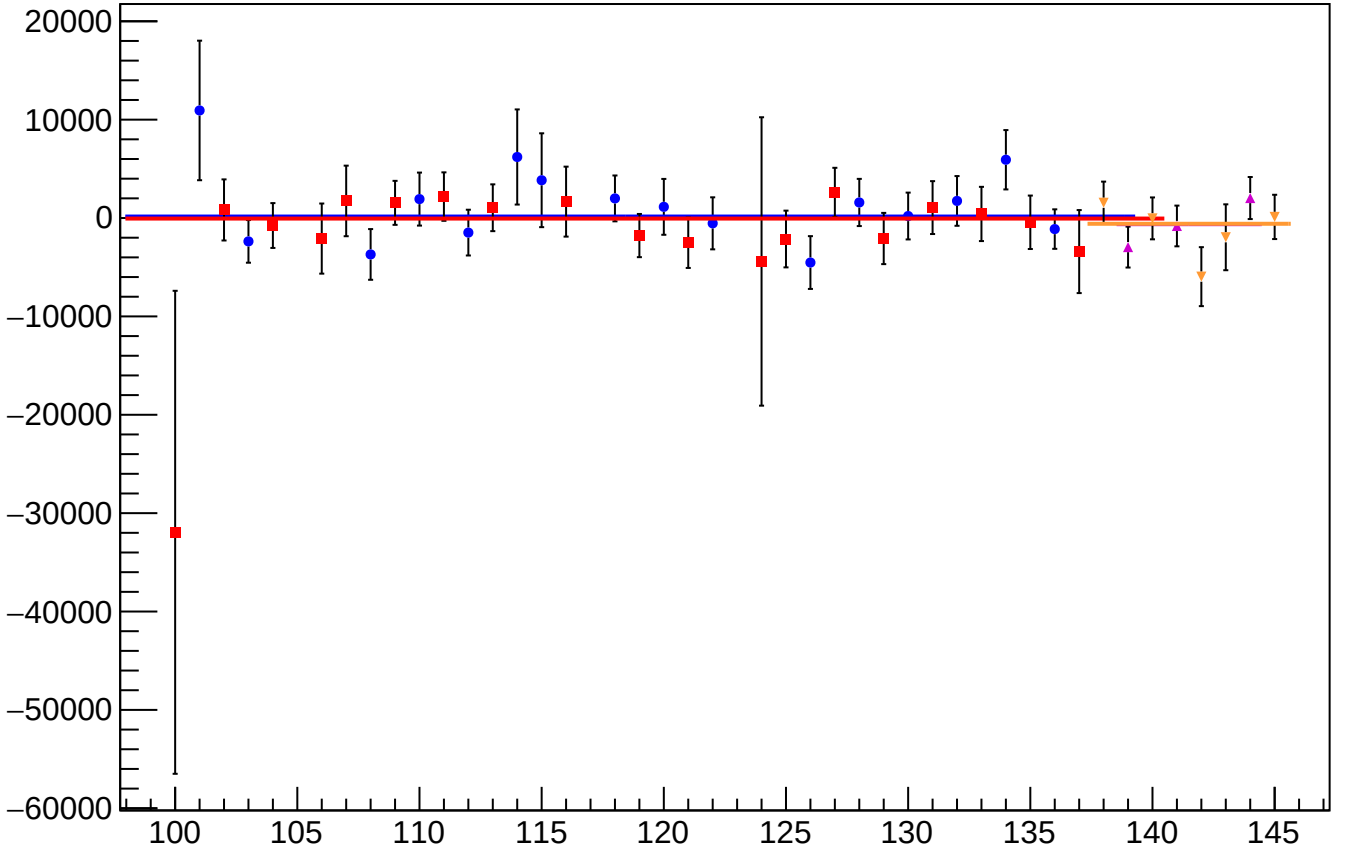
+ sign 0.000+/-0.000 χ^2/NDF: 13.2/20

All: 0.000+/-0.000 χ^2/NDF: 52.0/42

- sign 0.000+/-0.000 χ^2/NDF: 37.8/21


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
105
110
115
120
125
130
135
140
145
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:69999.1/2
+ sign 0.000+/-0.000 χ²/NDF: 7052773.6/20
All: 0.000+/-0.000 χ²/NDF: 13051201.6/42
- sign 0.000+/-0.000 χ²/NDF: 4835916.3/21

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

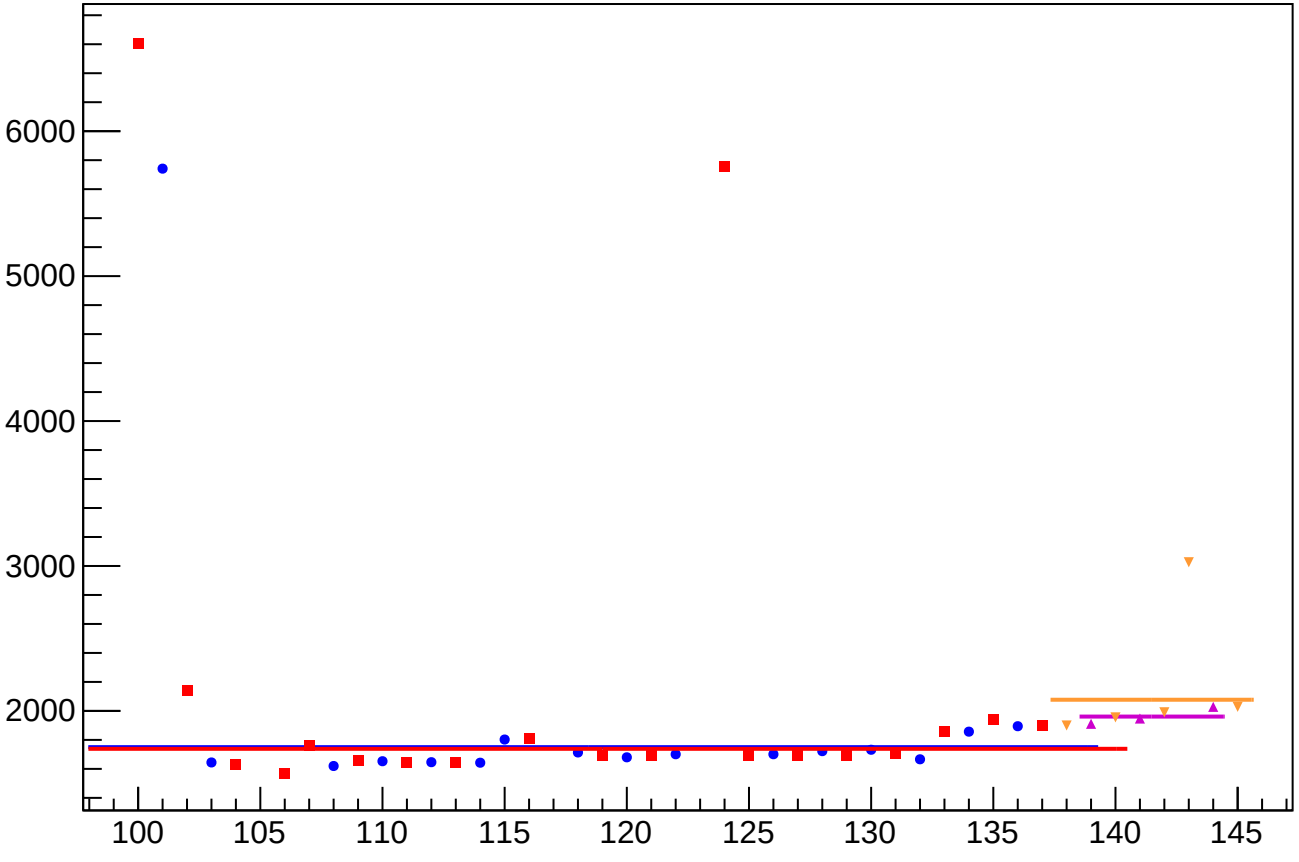
Left In: -625.226+/-1209.261 χ^2/NDF:2.8/2

+ sign -48.431+/-569.588 χ^2/NDF: 22.5/20

All: -115.313+/-405.049 χ^2/NDF: 34.5/42

- sign -183.738+/-576.120 χ^2/NDF: 11.9/21

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

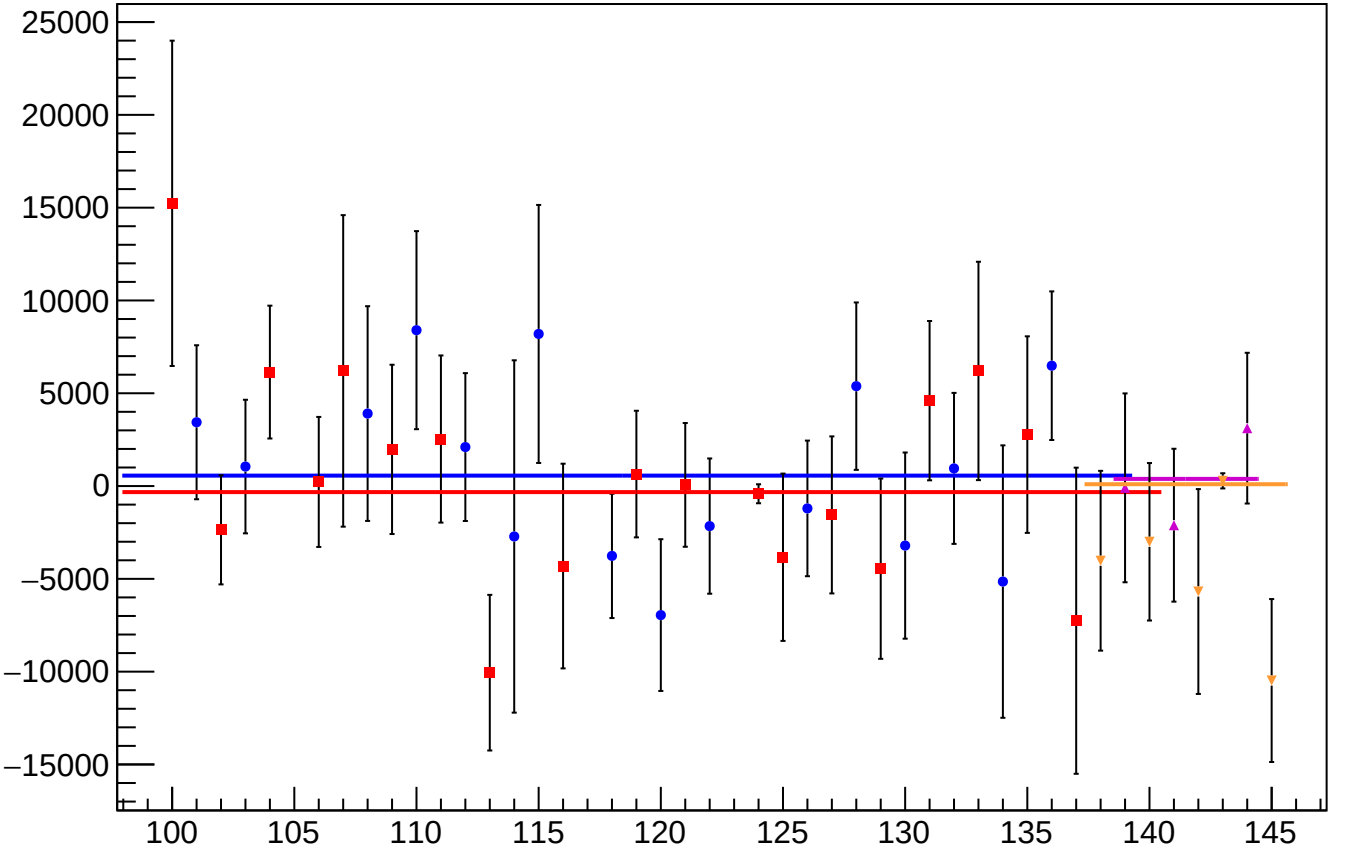
Left In: 1960.953+/-0.855 χ^2/NDF:3207.4/2

+ sign 1838.484+/-0.403 χ^2/NDF: 983194.0/20

All: 1813.592+/-0.286 χ^2/NDF: 1351073.8/42

- sign 1788.415+/-0.405 χ^2/NDF: 360196.7/21

asym_atr1l2_dd_reg_correction_mean vs Slug



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

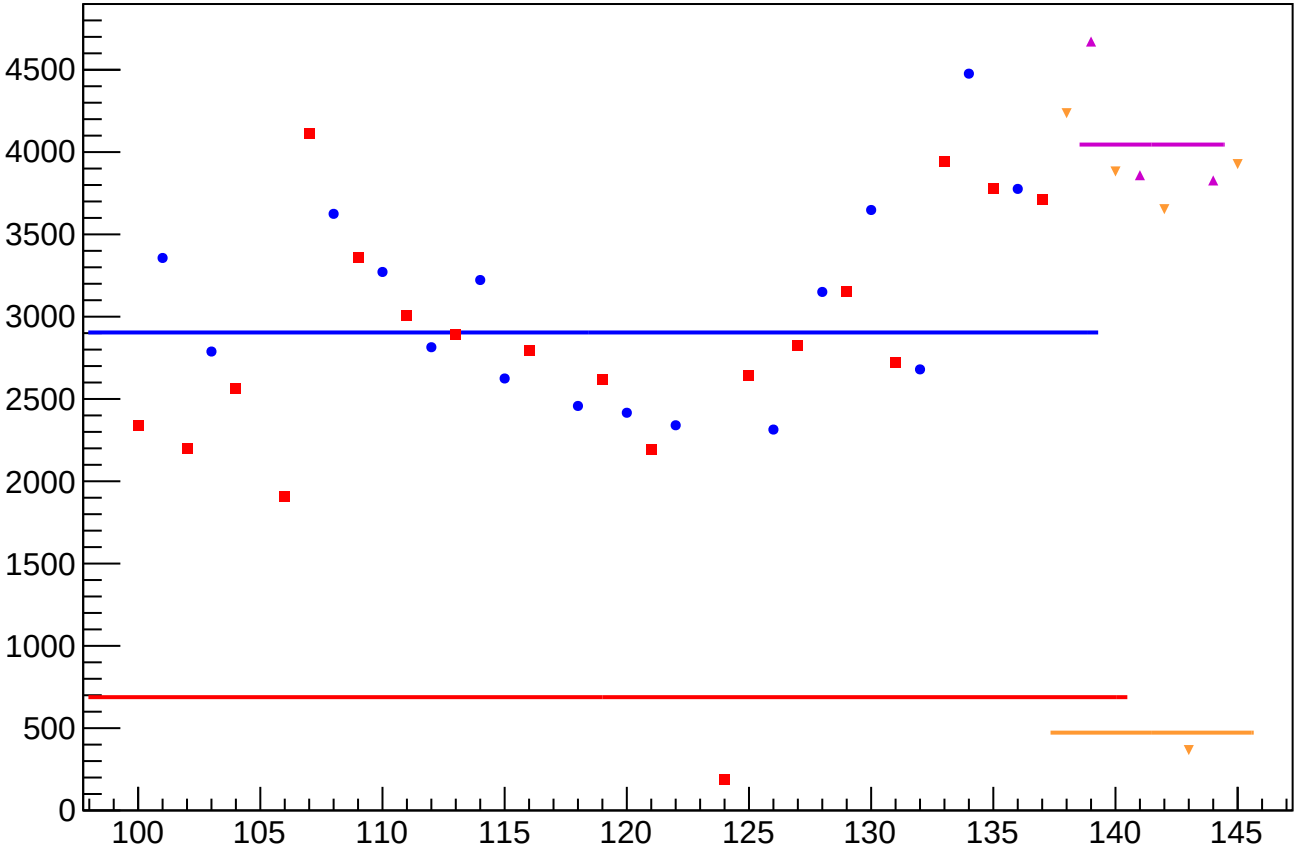
Left In: 386.187+/-2513.981 χ^2/NDF:0.8/2

+ sign 153.909+/-378.430 χ^2/NDF: 23.3/20

All: -34.981+/-289.772 χ^2/NDF: 44.1/42

- sign -302.707+/-450.534 χ^2/NDF: 20.1/21

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

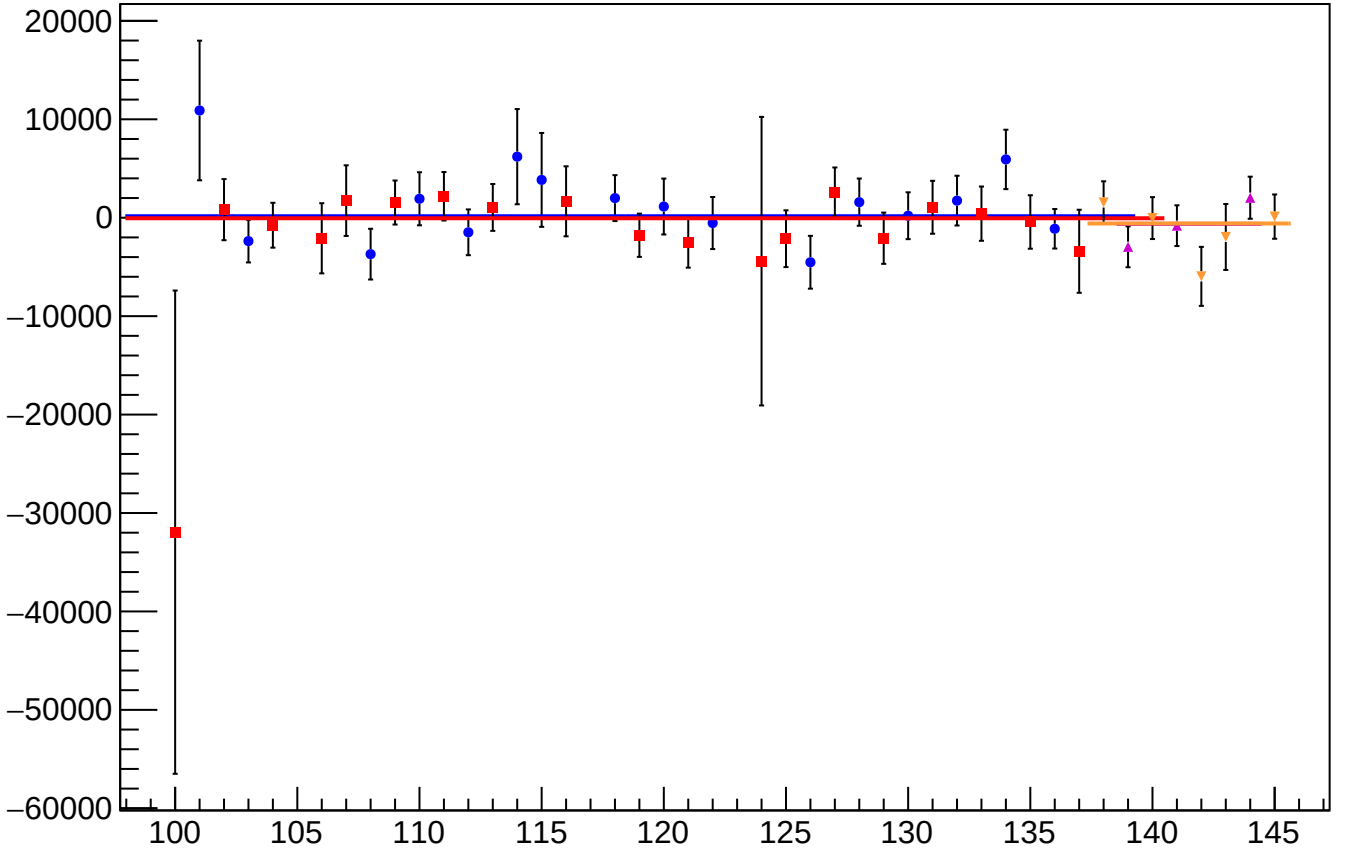
Left In: 4045.667+/-1.778 χ^2/NDF:40113.9/2

+ sign 759.940+/-0.268 χ^2/NDF: 13613918.5/20

All: 774.917+/-0.205 χ^2/NDF: 27262925.4/42

- sign 796.146+/-0.319 χ^2/NDF: 13641433.6/21

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

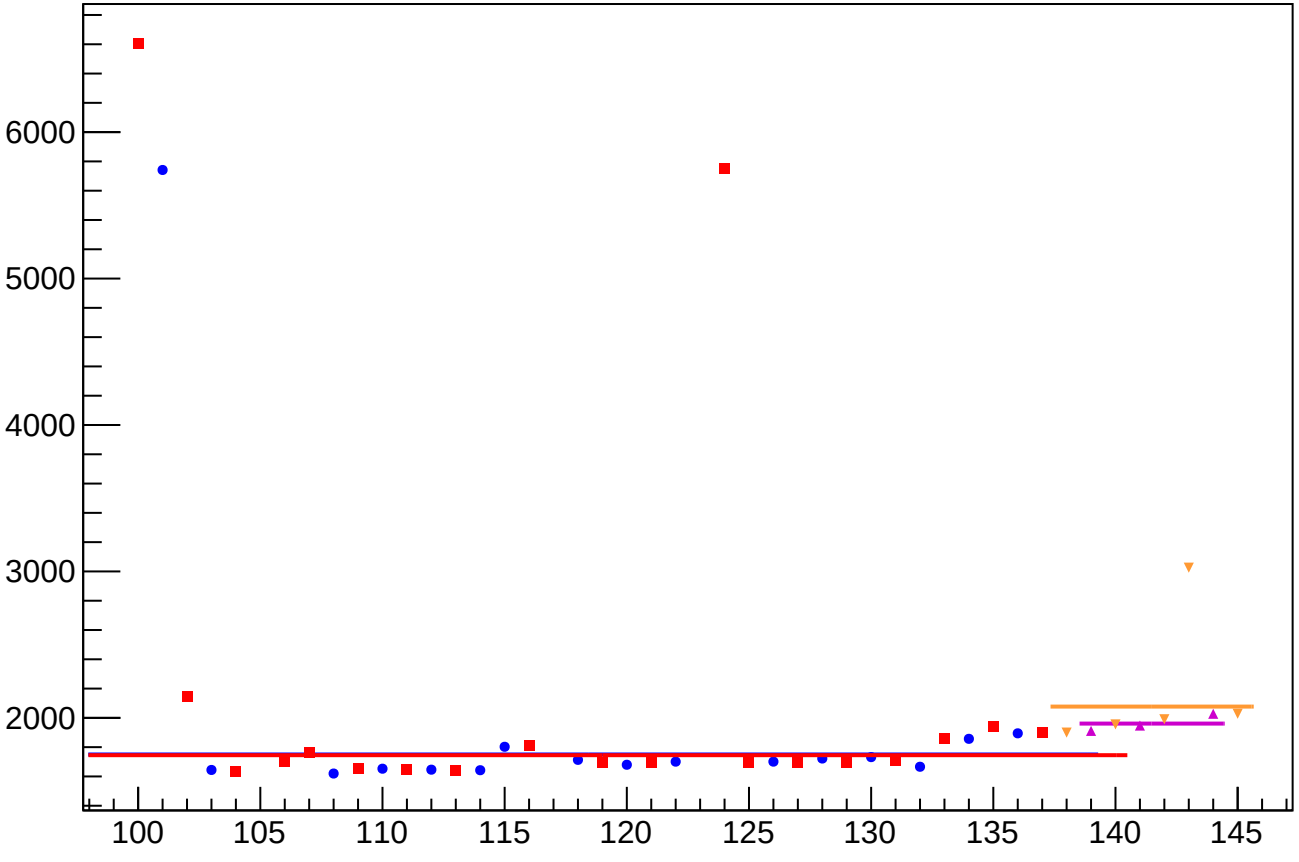
Left In: -625.349+/-1209.261 χ^2/NDF:2.8/2

+ sign -48.775+/-569.588 χ^2/NDF: 22.5/20

All: -115.521+/-405.049 χ^2/NDF: 34.5/42

- sign -183.806+/-576.120 χ^2/NDF: 11.9/21

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

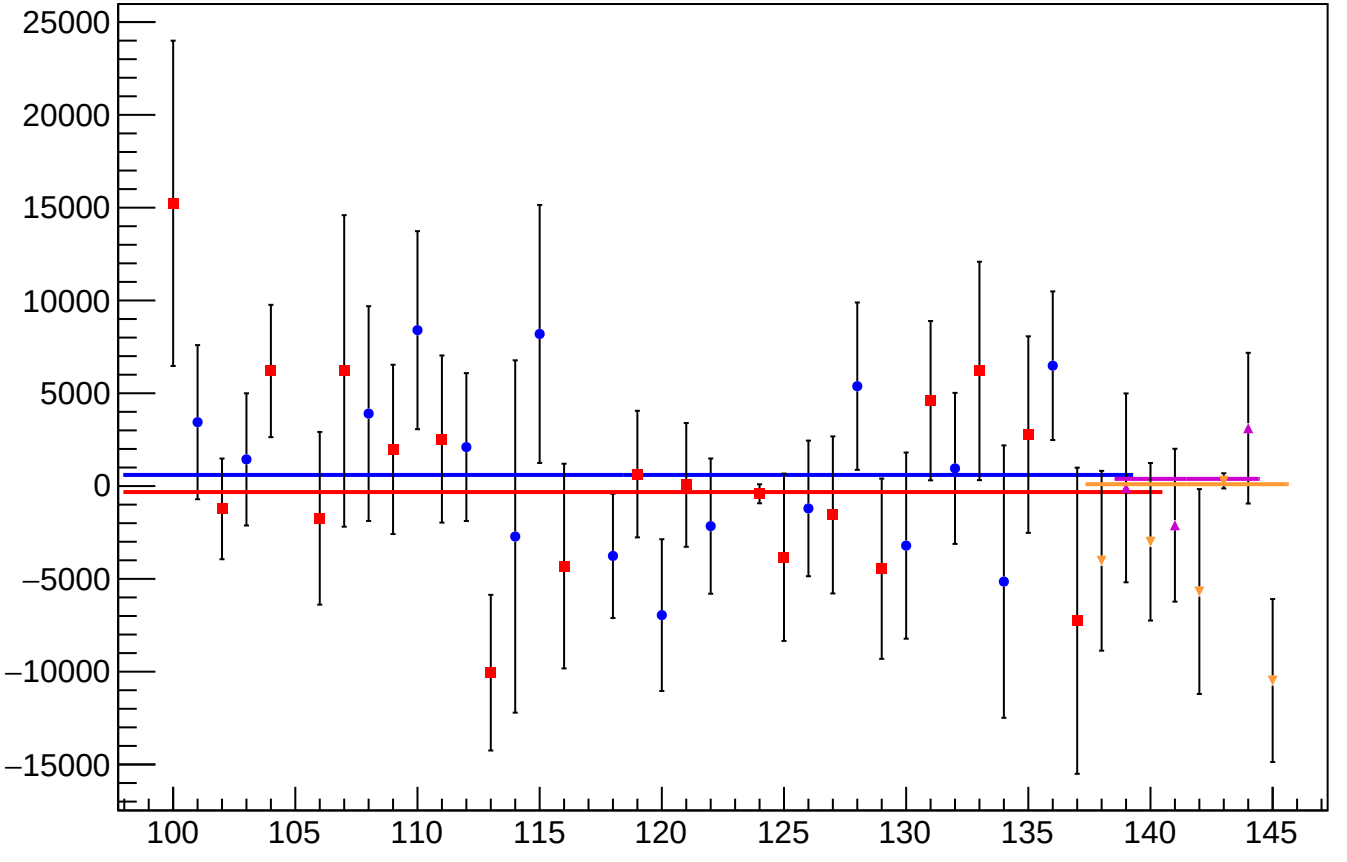
Left In: 1960.953+/-0.855 χ^2/NDF:3207.4/2

+ sign 1838.484+/-0.403 χ^2/NDF: 983194.5/20

All: 1816.371+/-0.286 χ^2/NDF: 1339764.5/42

- sign 1793.879+/-0.406 χ^2/NDF: 350489.8/21

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

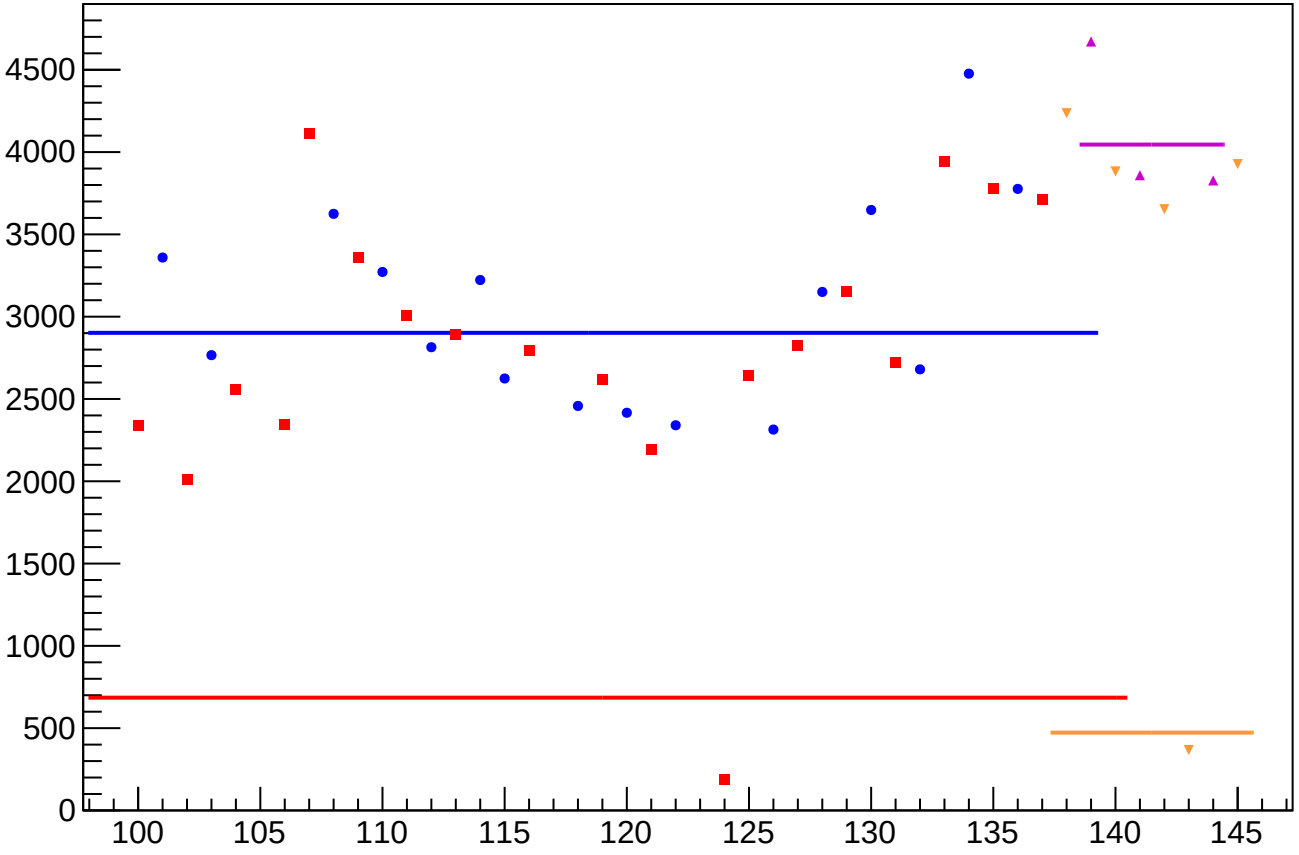
Left In: 386.242+/-2513.974 χ^2/NDF:0.8/2

\+ sign 159.360+/-378.417 χ^2/NDF: 23.4/20

All: -30.347+/-289.997 χ^2/NDF: 43.9/42

\- sign -300.292+/-451.405 χ^2/NDF: 19.9/21

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

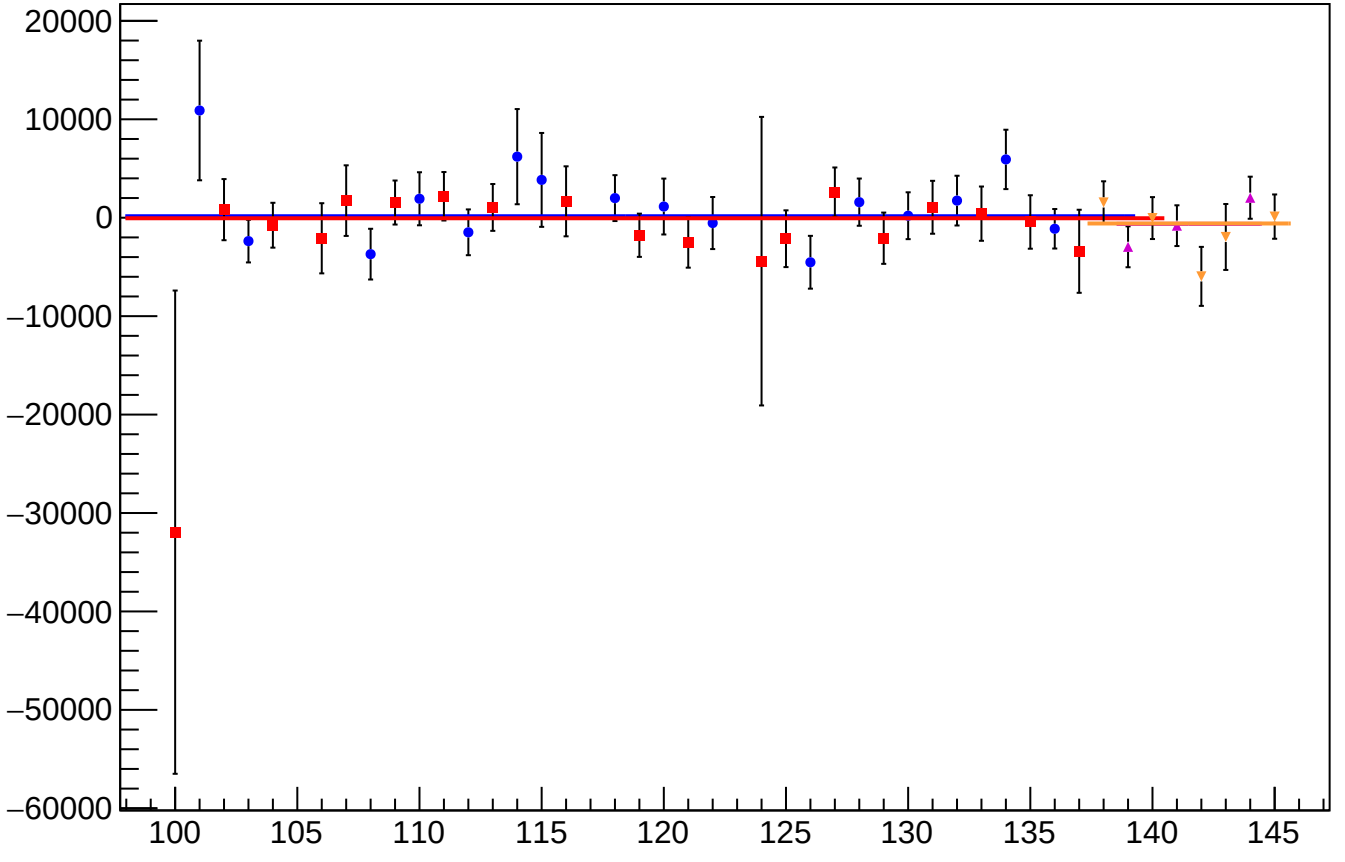
Left In: 4045.658+/-1.778 χ^2/NDF:40112.8/2

+ sign 760.252+/-0.268 χ^2/NDF: 13613106.0/20

All: 774.015+/-0.205 χ^2/NDF: 27223686.5/42

- sign 793.600+/-0.319 χ^2/NDF: 13604170.2/21

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

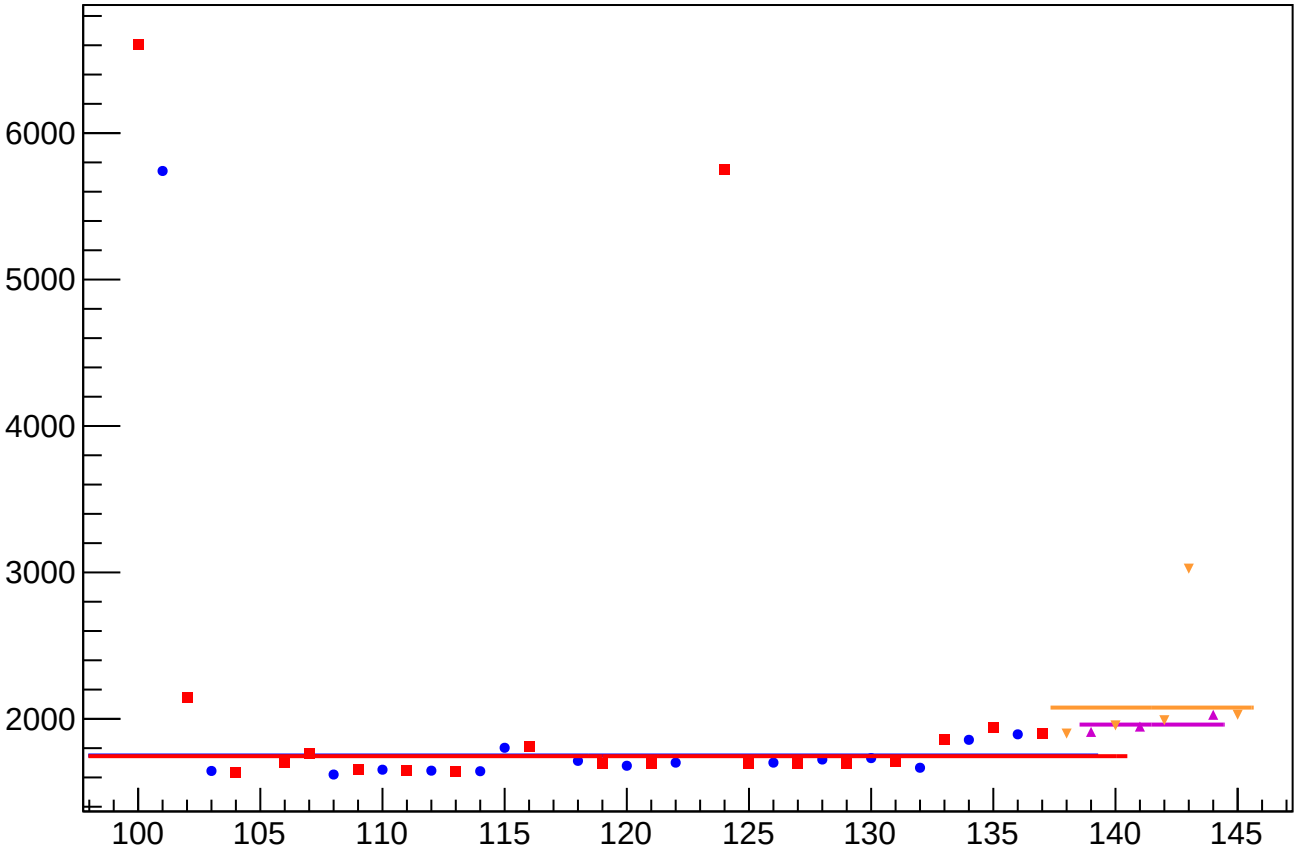
Left In: -625.349+/-1209.261 χ^2/NDF:2.8/2

+ sign -48.775+/-569.588 χ^2/NDF: 22.5/20

All: -115.521+/-405.049 χ^2/NDF: 34.5/42

- sign -183.806+/-576.120 χ^2/NDF: 11.9/21

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

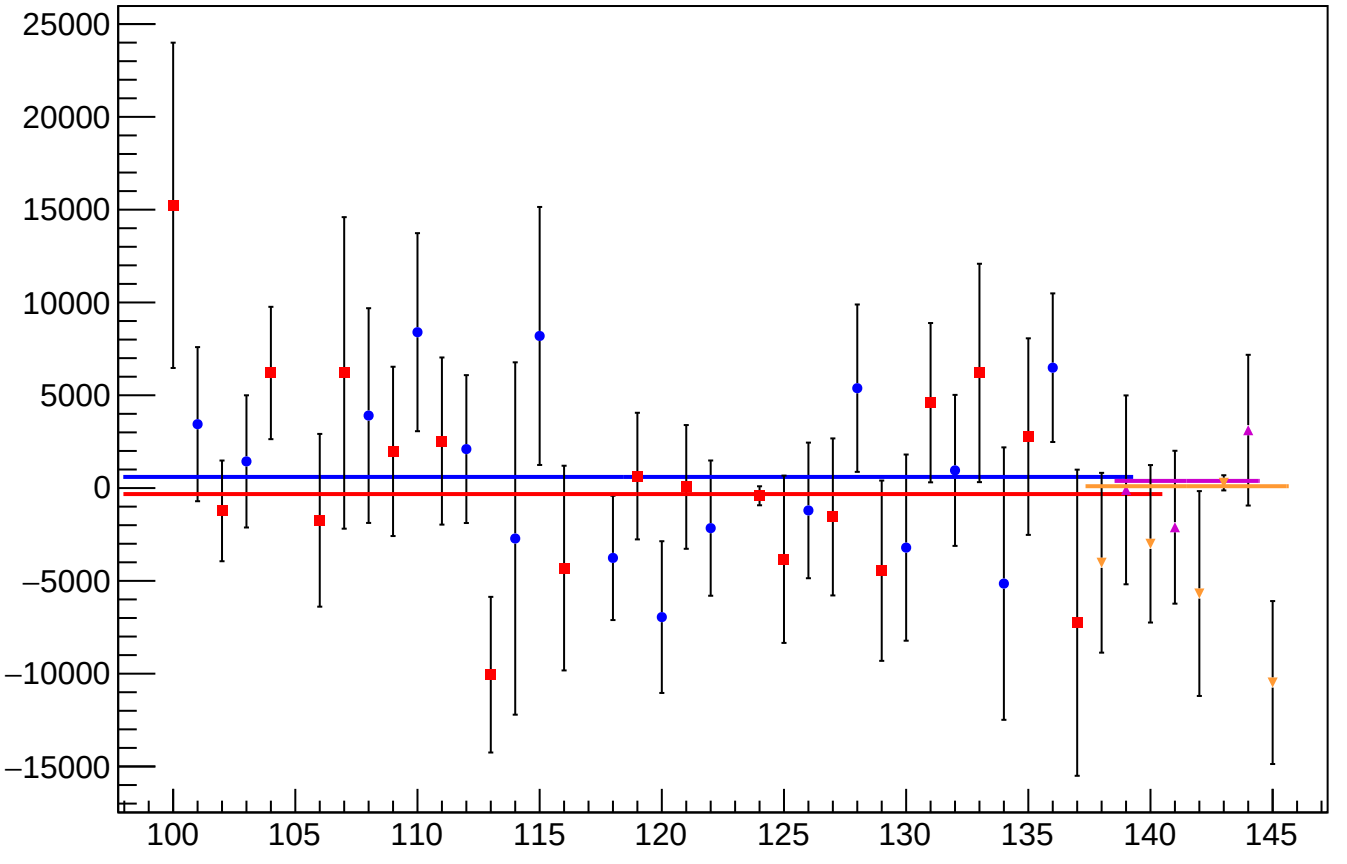
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1960.953+/-0.855 χ^2/NDF:3207.4/2

+ sign 1838.484+/-0.403 χ^2/NDF: 983194.5/20

All: 1816.371+/-0.286 χ^2/NDF: 1339764.5/42

- sign 1793.879+/-0.406 χ^2/NDF: 350489.8/21



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

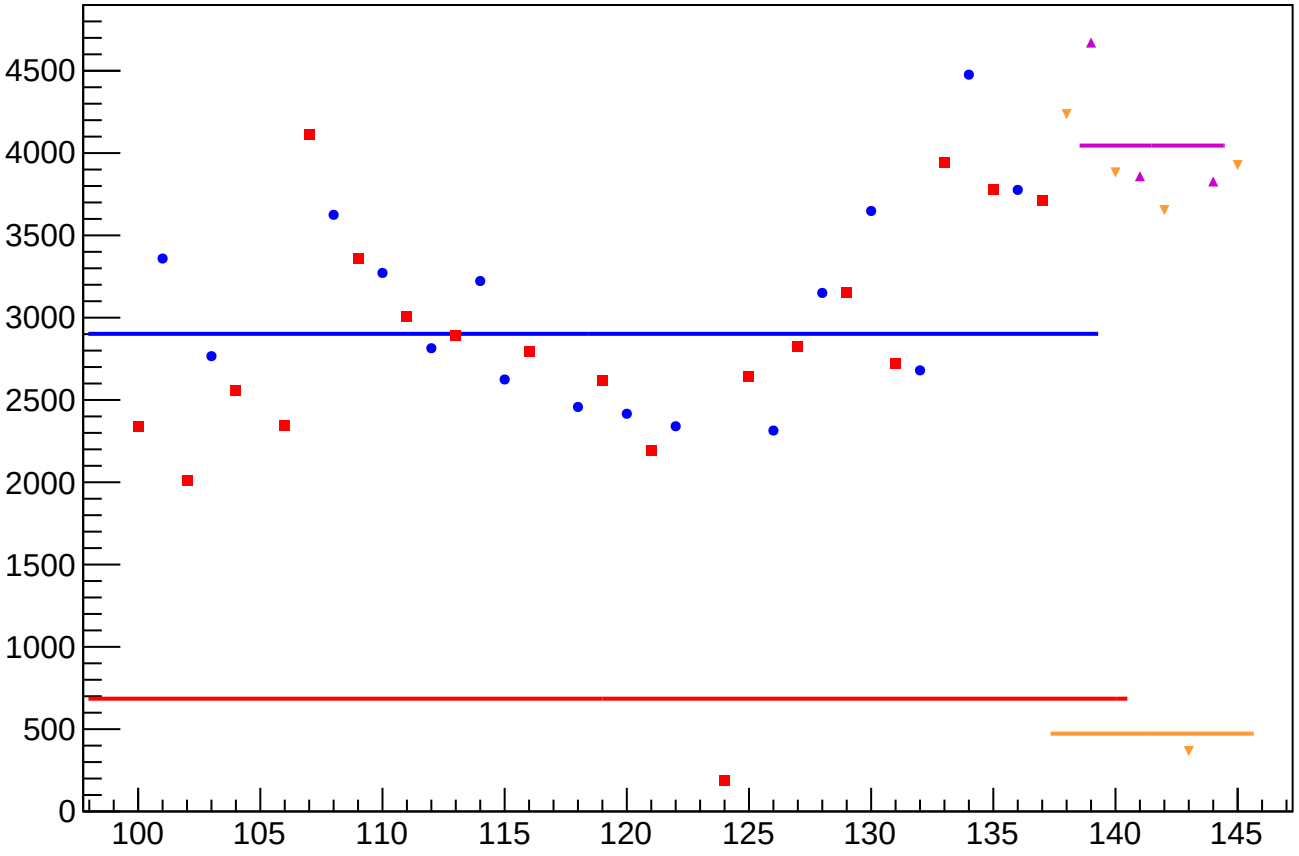
Left In: 386.242+/-2513.974 χ^2/NDF:0.8/2

+ sign 159.360+/-378.417 χ^2/NDF: 23.4/20

All: -30.347+/-289.997 χ^2/NDF: 43.9/42

- sign -300.292+/-451.405 χ^2/NDF: 19.9/21

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

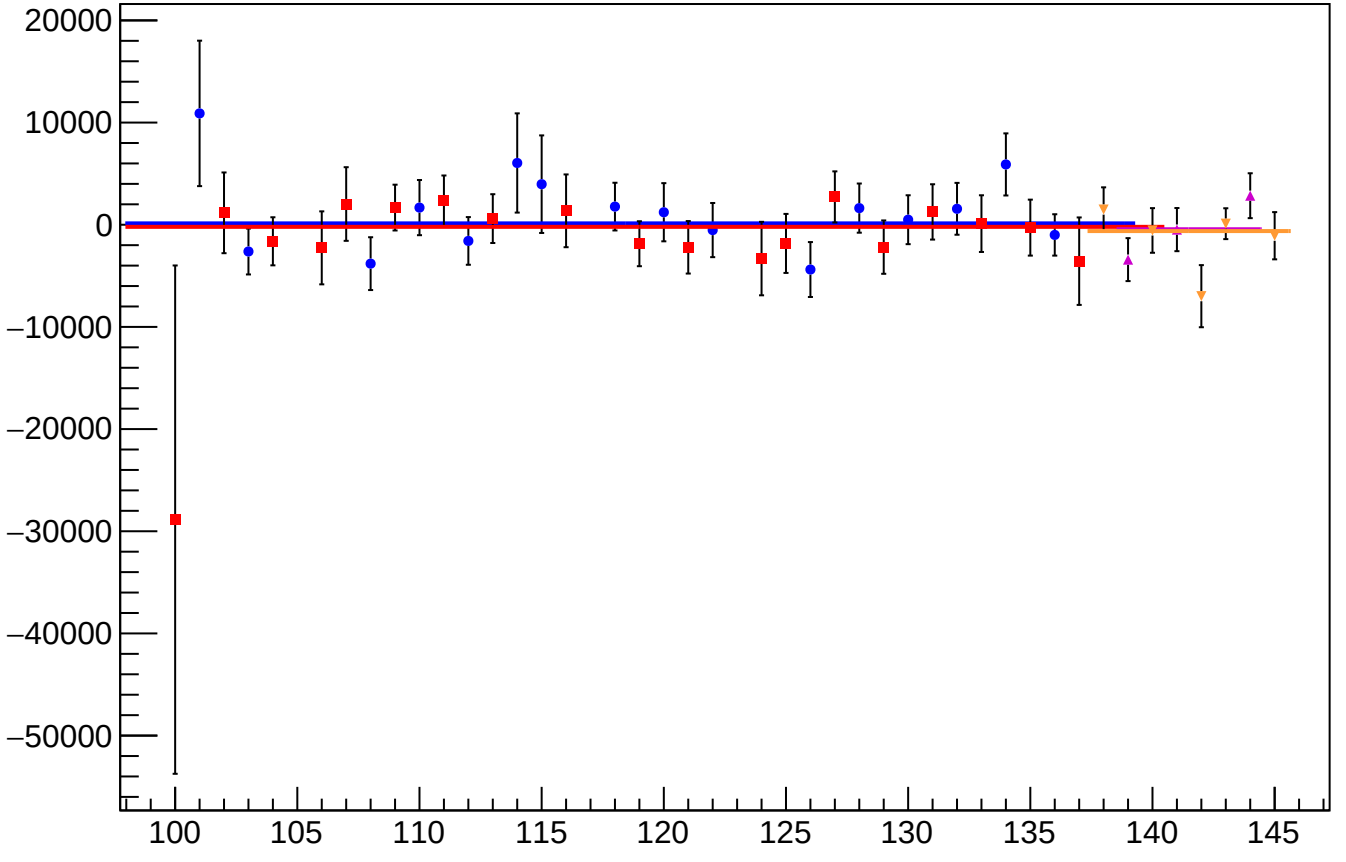
Left In: 4045.658+/-1.778 χ^2/NDF:40112.8/2

+ sign 760.252+/-0.268 χ^2/NDF: 13613106.0/20

All: 774.015+/-0.205 χ^2/NDF: 27223686.5/42

- sign 793.600+/-0.319 χ^2/NDF: 13604170.2/21

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

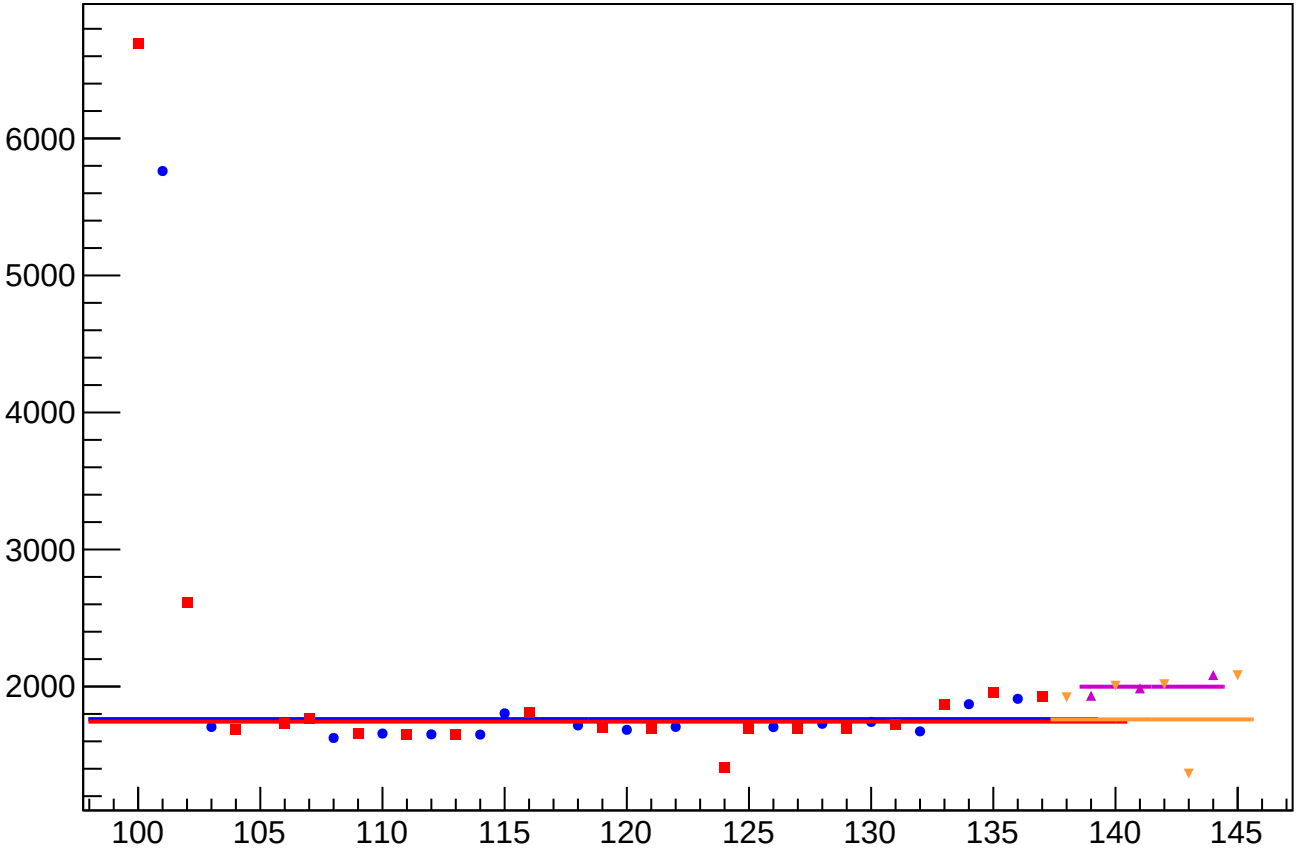
Left In: -440.445+/-1232.936 χ^2/NDF:4.2/2

+ sign -124.271+/-544.575 χ^2/NDF: 23.3/20

All: -186.721+/-396.381 χ^2/NDF: 37.3/42

- sign -257.085+/-578.058 χ^2/NDF: 14.0/21

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

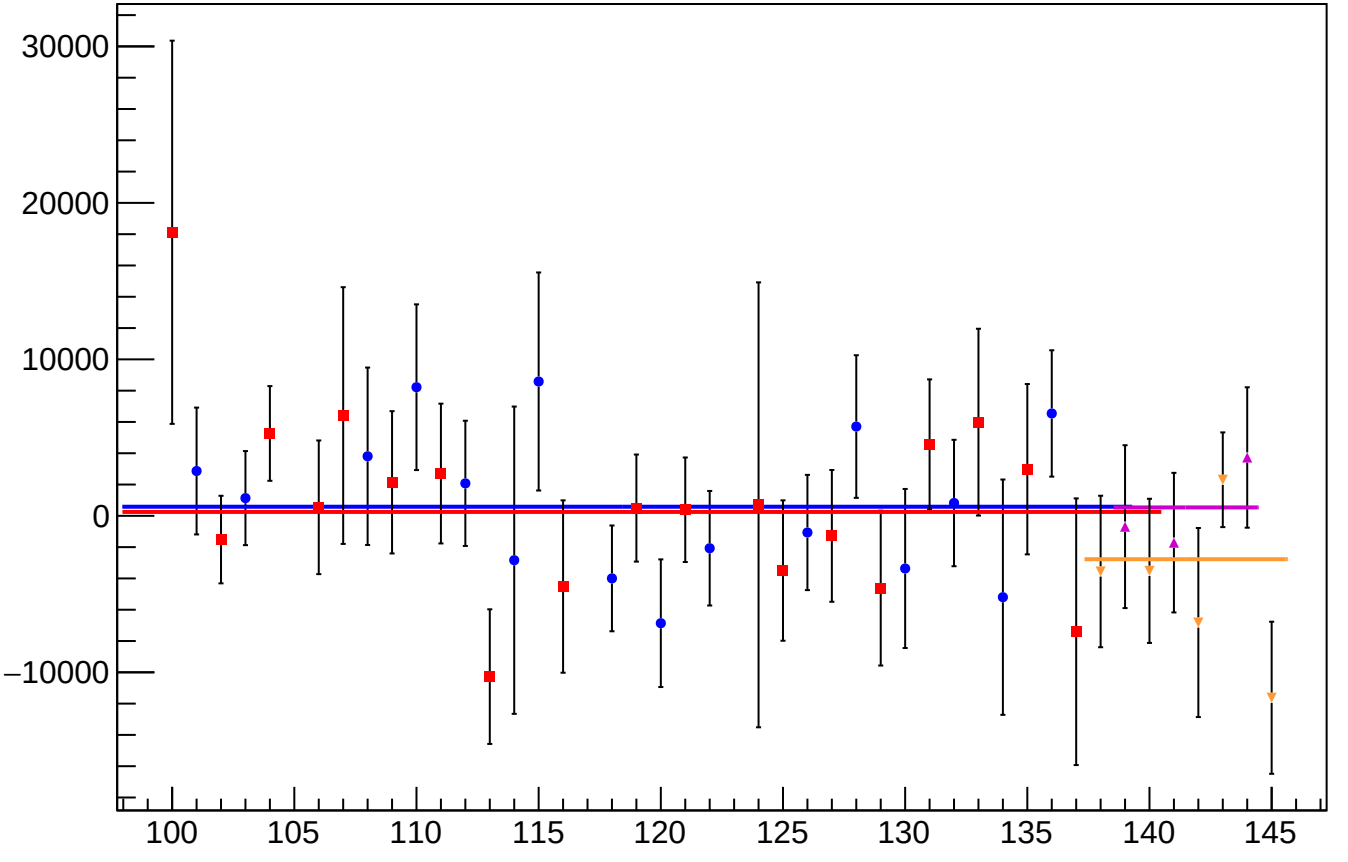
Left In: 1998.817+/-0.872 χ^2/NDF:5052.7/2

+ sign 1761.353+/-0.385 χ^2/NDF: 894442.2/20

All: 1779.354+/-0.280 χ^2/NDF: 1198773.2/42

- sign 1799.545+/-0.408 χ^2/NDF: 299694.5/21

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

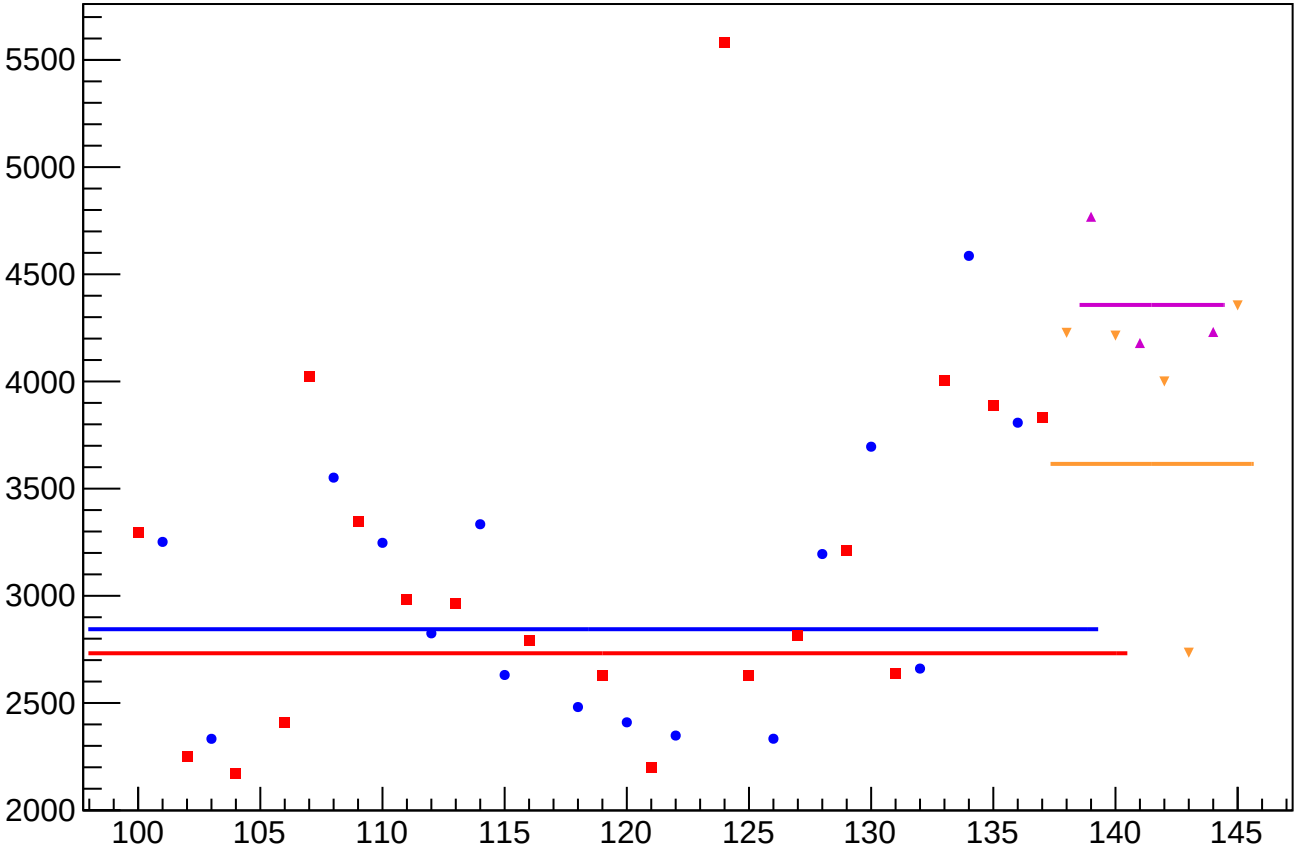
Left In: 537.327+/-2703.056 χ^2/NDF:0.8/2

+ sign -219.848+/-943.359 χ^2/NDF: 23.8/20

All: 29.972+/-671.184 χ^2/NDF: 42.7/42

- sign 286.073+/-955.145 χ^2/NDF: 18.7/21

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

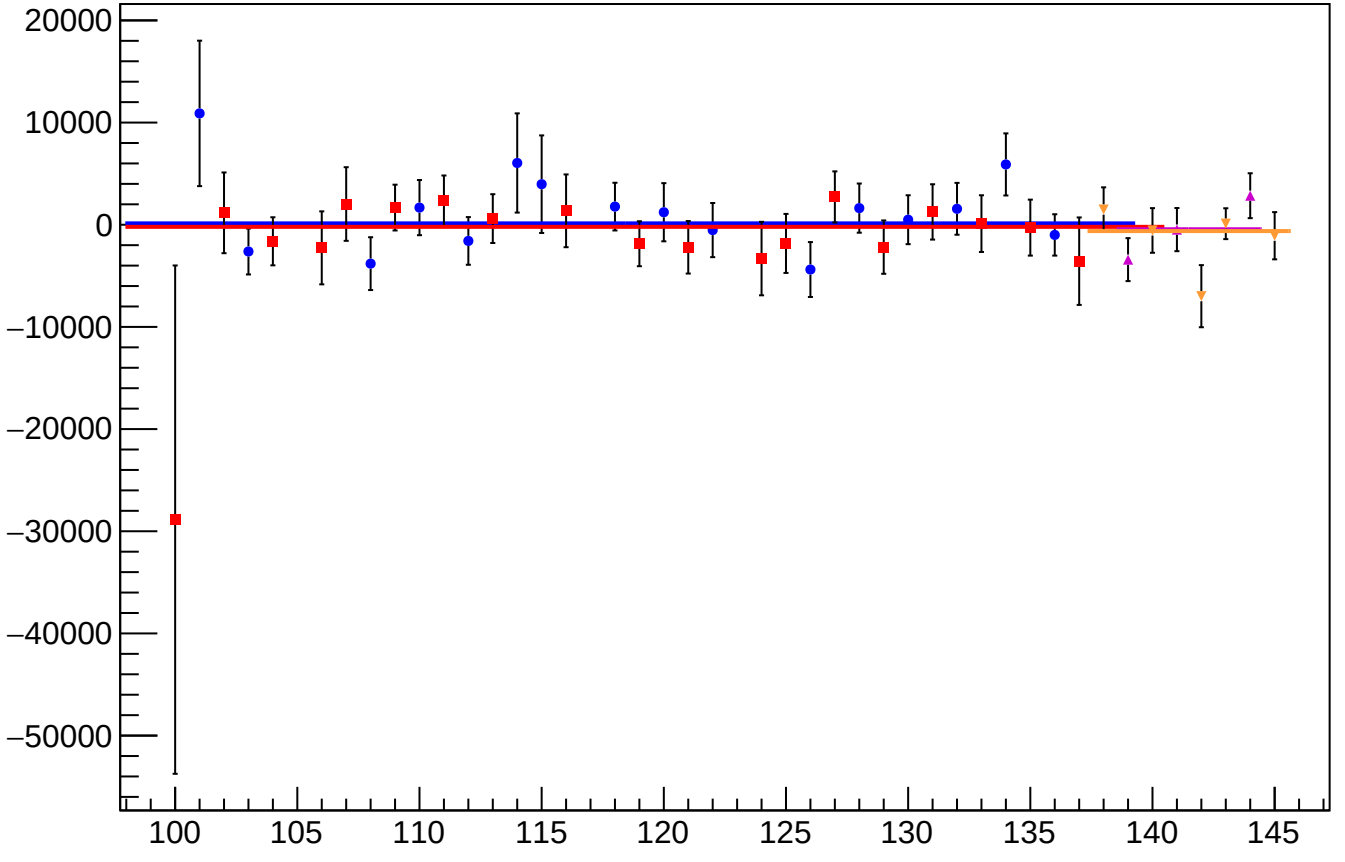
Left In: 4357.056+/-1.911 χ^2/NDF:17255.9/2

+ sign 3028.582+/-0.667 χ^2/NDF: 1074709.3/20

All: 2982.316+/-0.475 χ^2/NDF: 2345605.9/42

- sign 2934.887+/-0.675 χ^2/NDF: 1261154.6/21

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

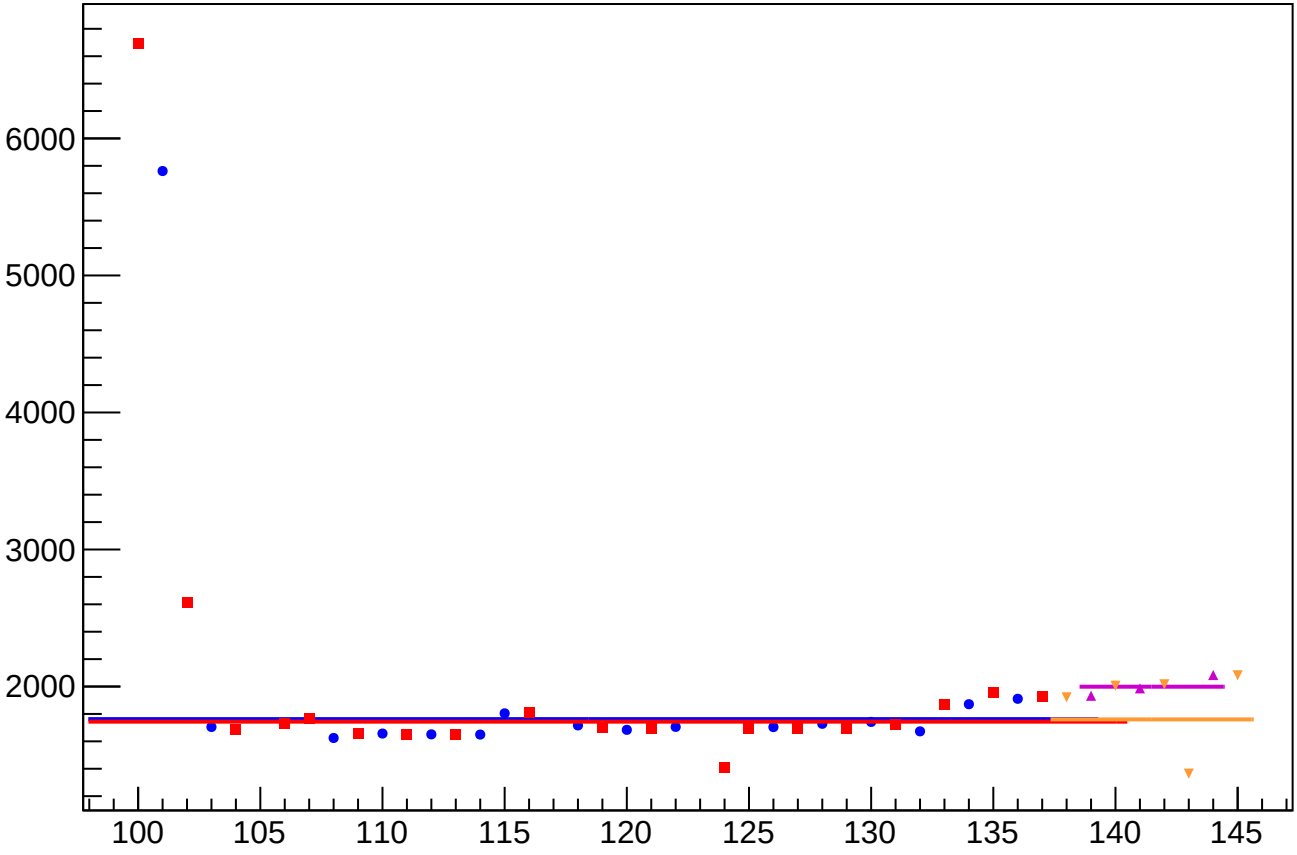
Left In: -440.440+/-1232.937 χ^2/NDF:4.2/2

+ sign -124.276+/-544.576 χ^2/NDF: 23.3/20

All: -186.722+/-396.381 χ^2/NDF: 37.3/42

- sign -257.083+/-578.058 χ^2/NDF: 14.0/21

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

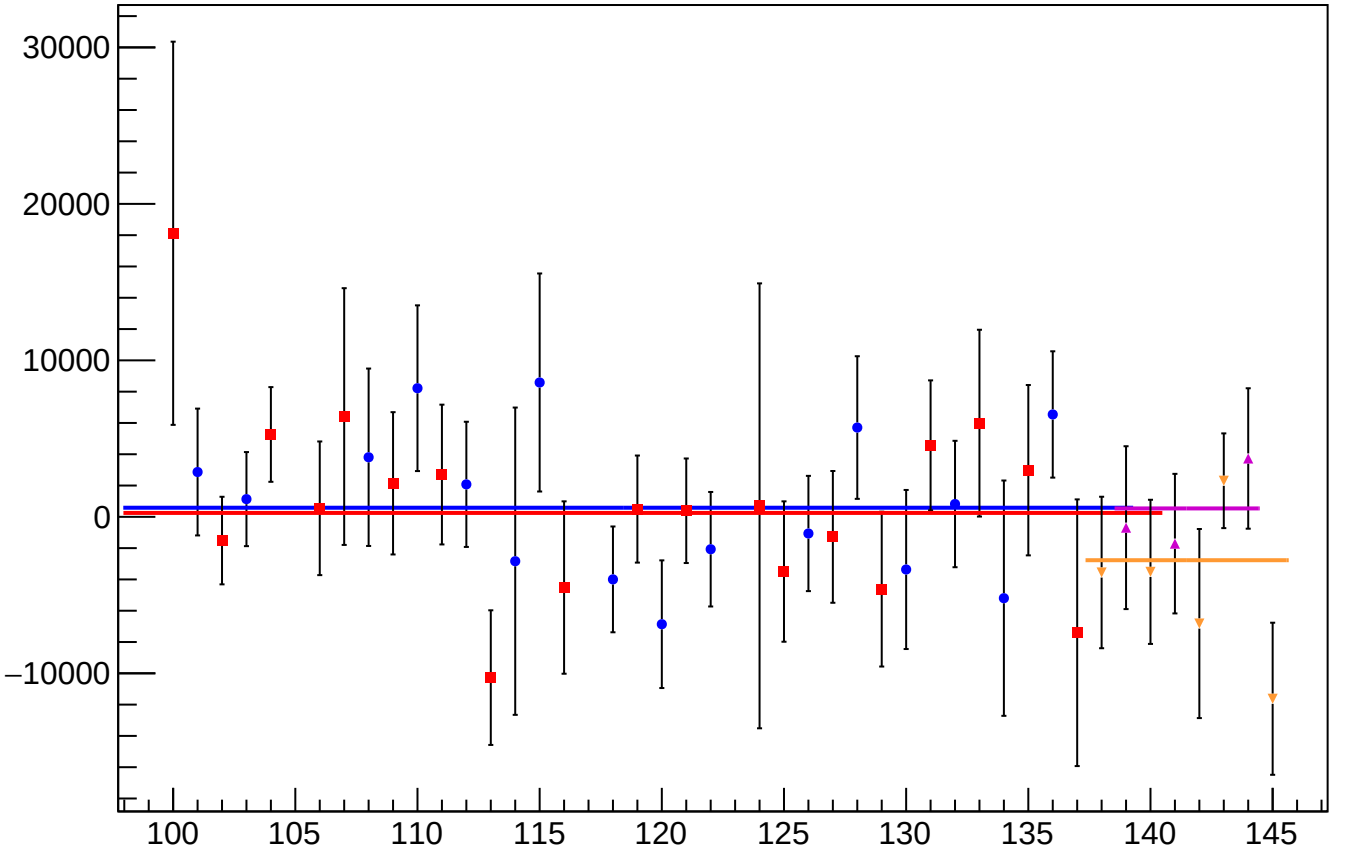
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1998.818+/-0.872 χ^2/NDF:5052.7/2

+ sign 1761.353+/-0.385 χ^2/NDF: 894443.1/20

All: 1779.354+/-0.280 χ^2/NDF: 1198774.8/42

- sign 1799.545+/-0.408 χ^2/NDF: 299695.2/21



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -2772.051+/-1929.170 χ^2/NDF:6.6/4

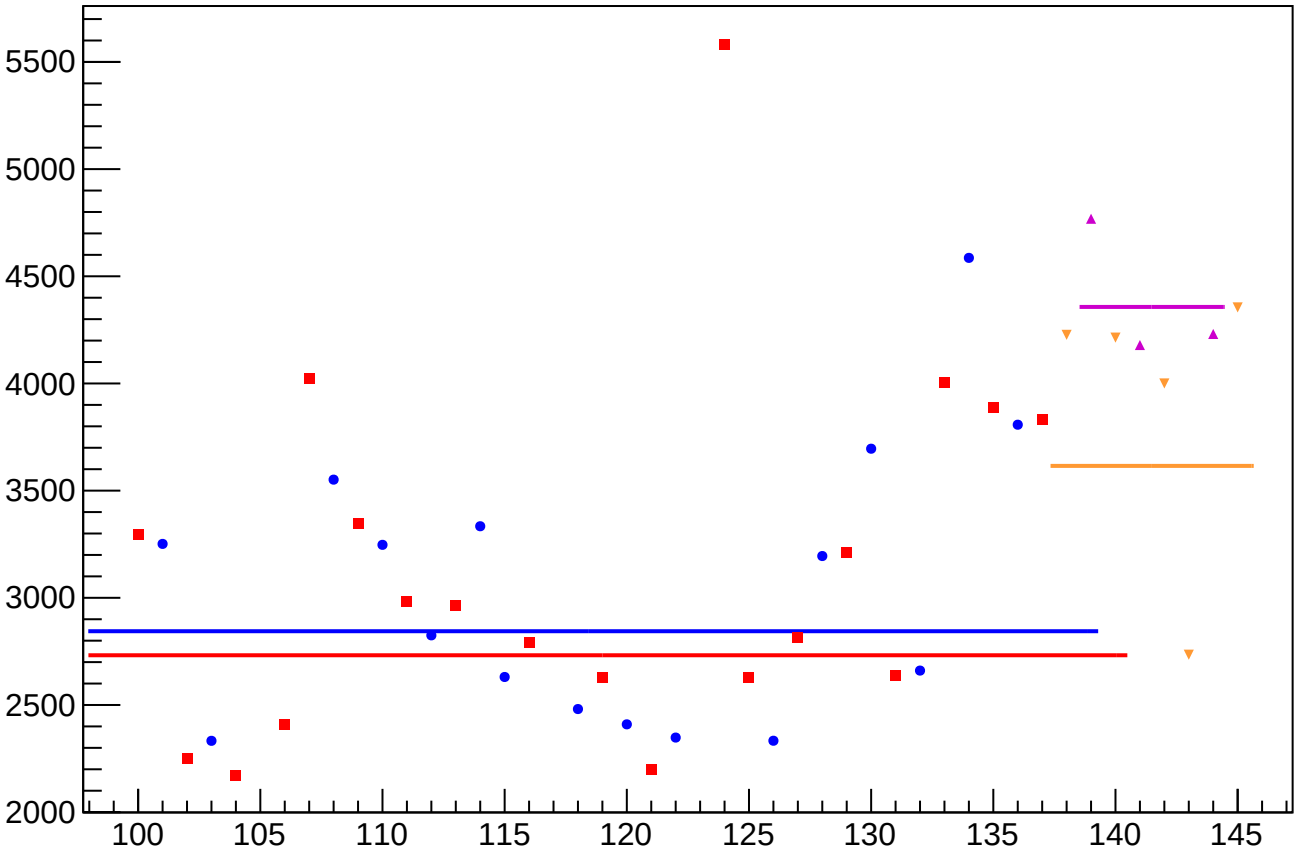
Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 537.330+/-2703.063 χ^2/NDF:0.8/2

+ sign -219.847+/-943.358 χ^2/NDF: 23.8/20

All: 29.972+/-671.183 χ^2/NDF: 42.7/42

- sign 286.073+/-955.144 χ^2/NDF: 18.7/21



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

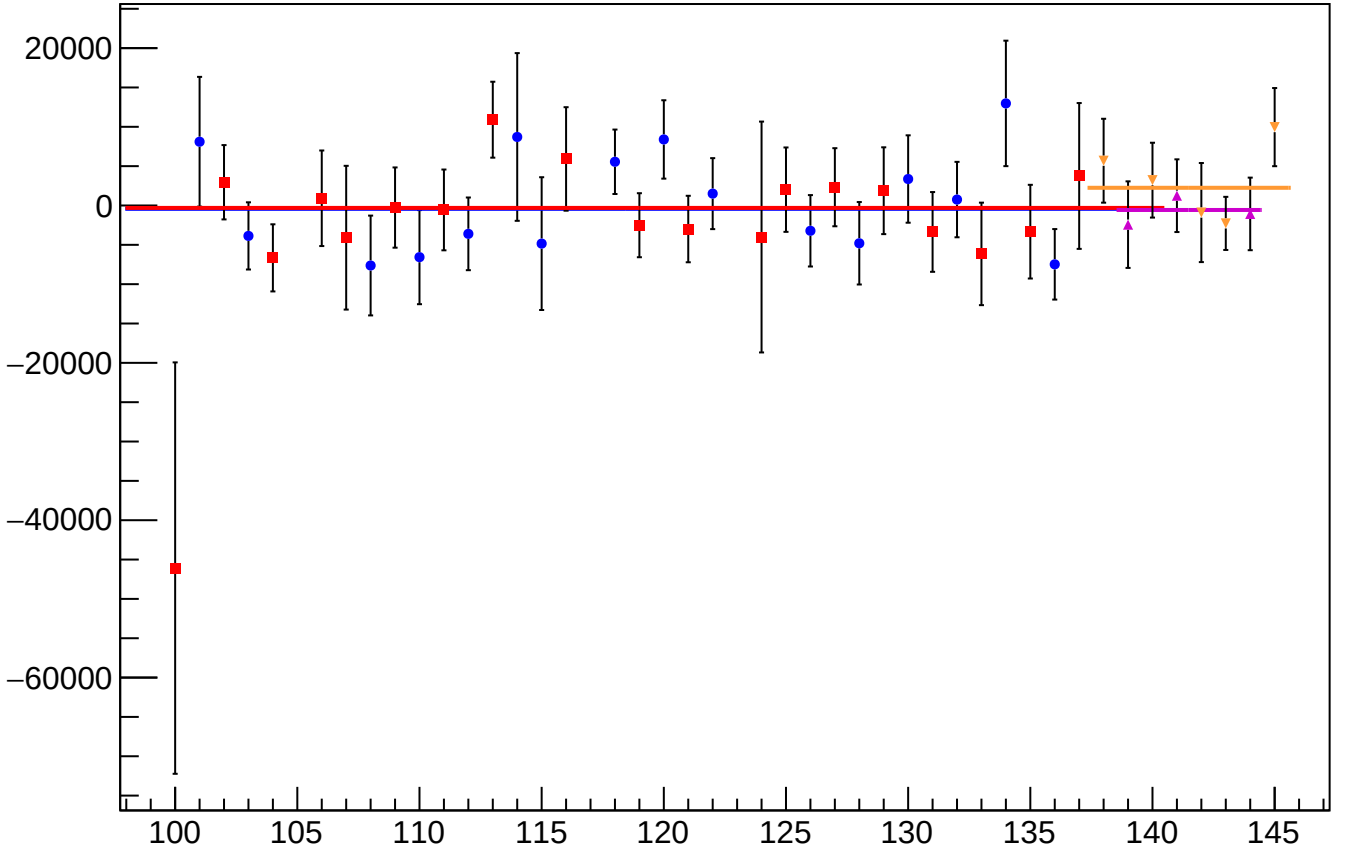
Left In: 4357.066+/-1.911 χ^2/NDF:17256.5/2

+ sign 3028.576+/-0.667 χ^2/NDF: 1074724.8/20

All: 2982.311+/-0.475 χ^2/NDF: 2345629.4/42

- sign 2934.882+/-0.675 χ^2/NDF: 1261162.7/21

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

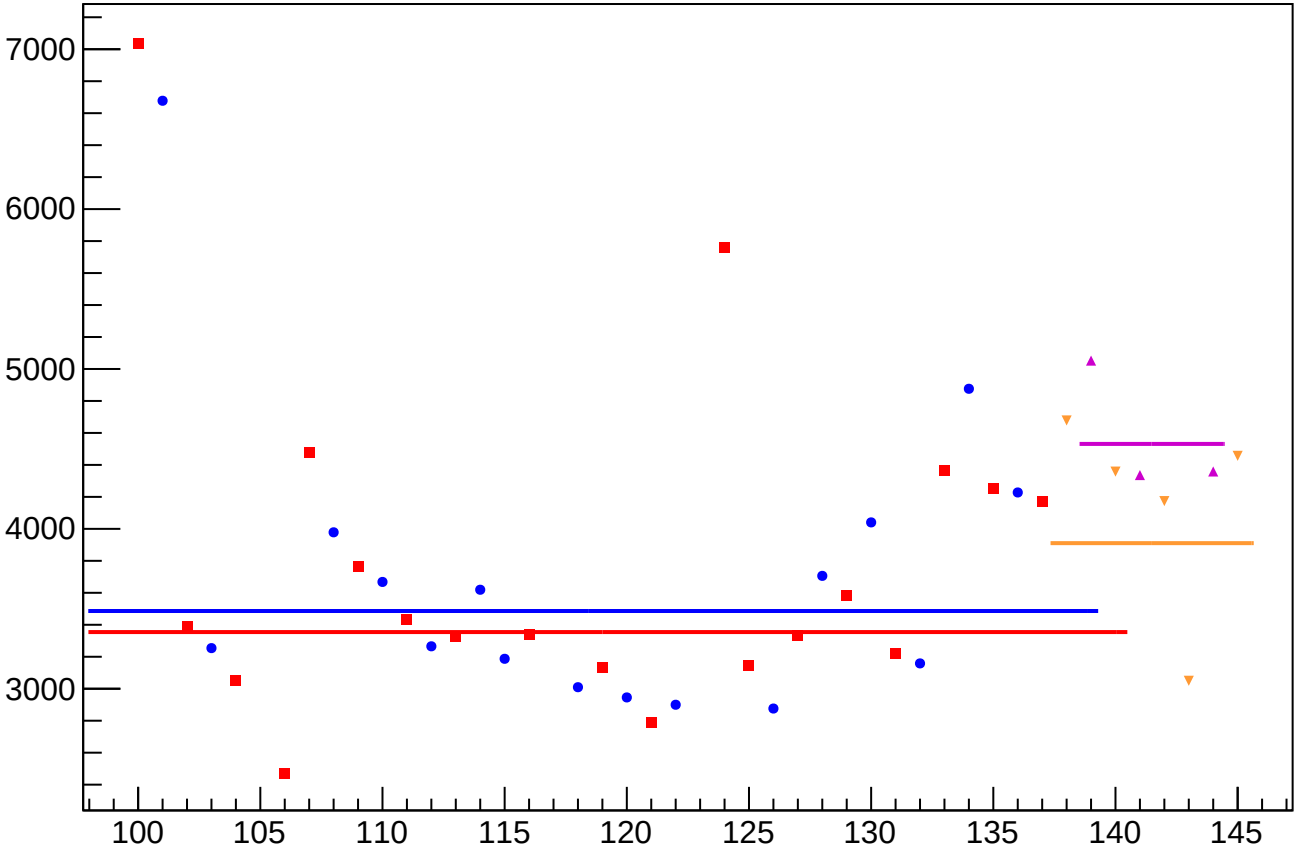
Left In: -570.585+/-2807.148 χ^2/NDF:0.3/2

+ sign 354.339+/-1117.639 χ^2/NDF: 24.0/20

All: 14.345+/-805.320 χ^2/NDF: 39.7/42

- sign -352.802+/-1161.411 χ^2/NDF: 15.6/21

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

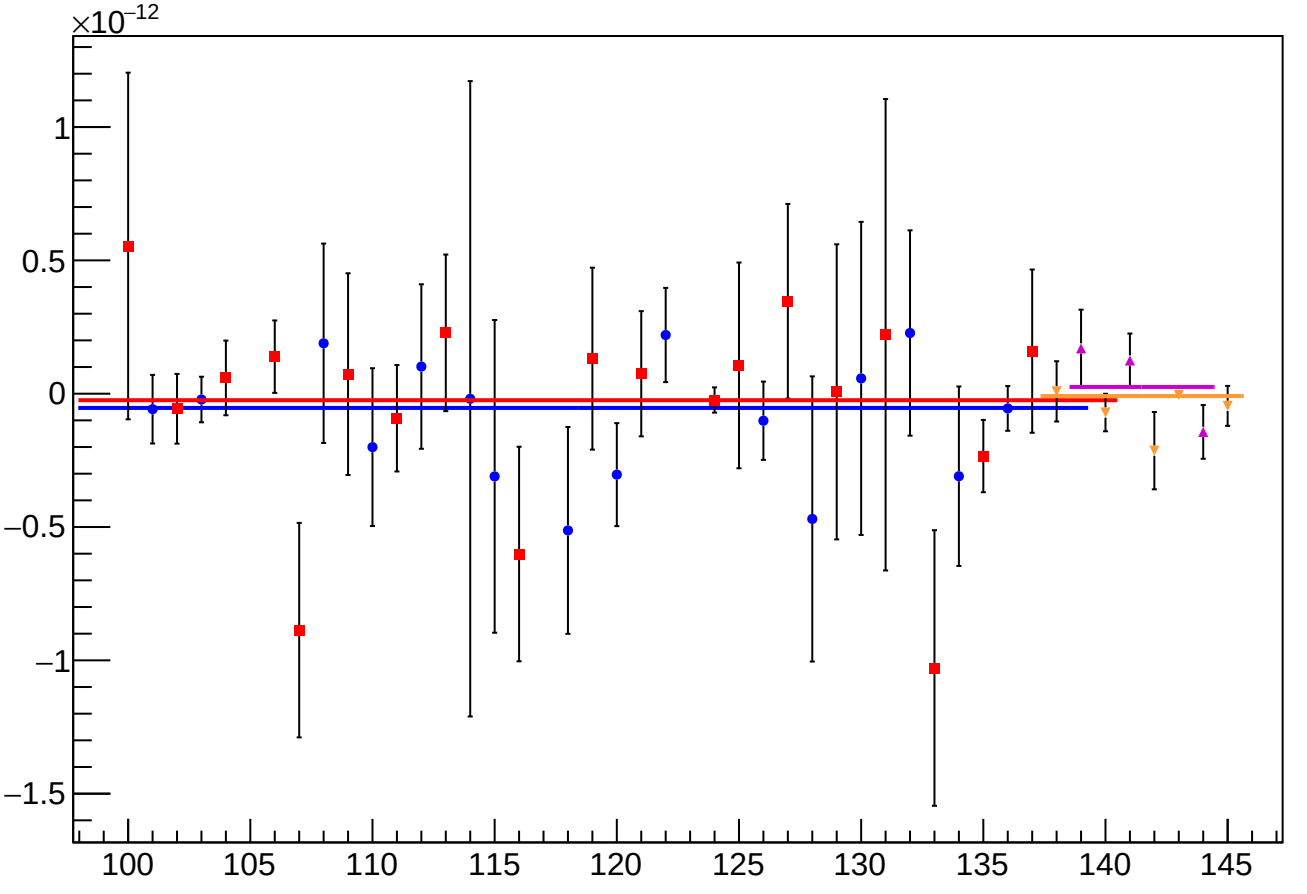
Left In: 4531.272+/-1.985 χ^2/NDF:24300.6/2

+ sign 3609.651+/-0.790 χ^2/NDF: 872168.0/20

All: 3581.221+/-0.566 χ^2/NDF: 1568282.2/42

- sign 3551.228+/-0.812 χ^2/NDF: 693454.8/21

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

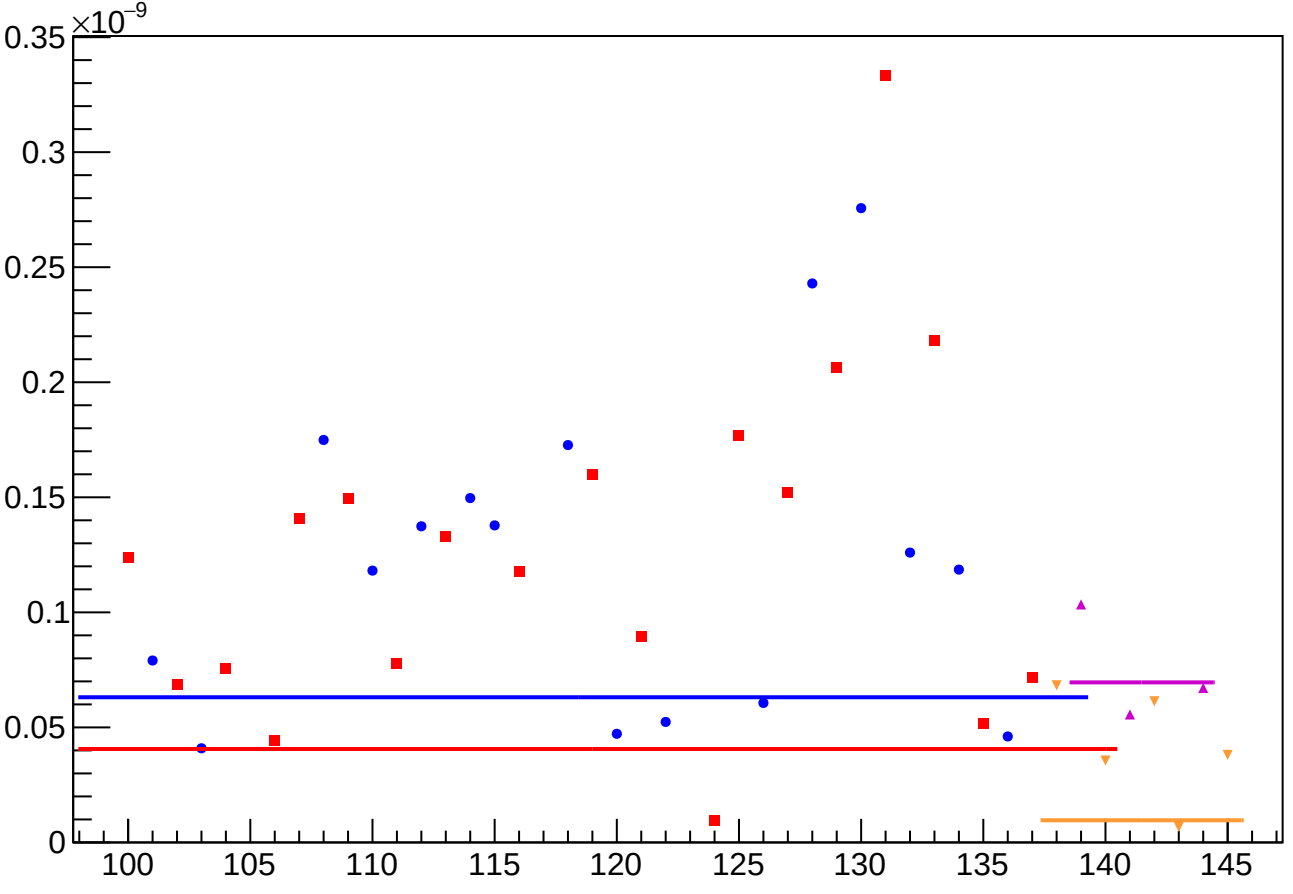
Left In: 0.000+/-0.000 χ^2/NDF:4.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 12.7/20

All: -0.000+/-0.000 χ^2/NDF: 36.3/42

- sign -0.000+/-0.000 χ^2/NDF: 23.6/21

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

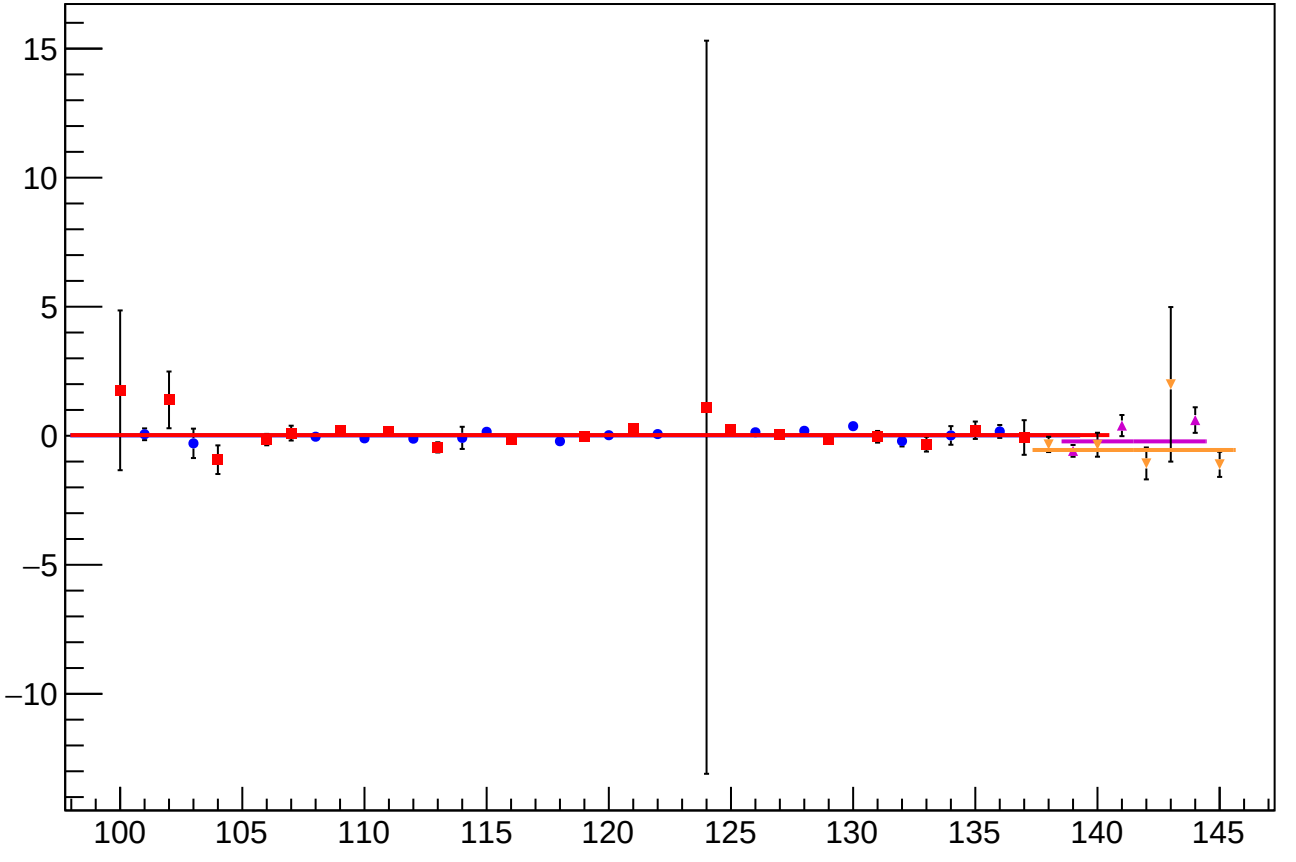
Left In: 0.000+/-0.000 χ^2/NDF:148222.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 5568708.7/20

All: 0.000+/-0.000 χ^2/NDF: 11273506.1/42

- sign 0.000+/-0.000 χ^2/NDF: 3632347.4/21

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

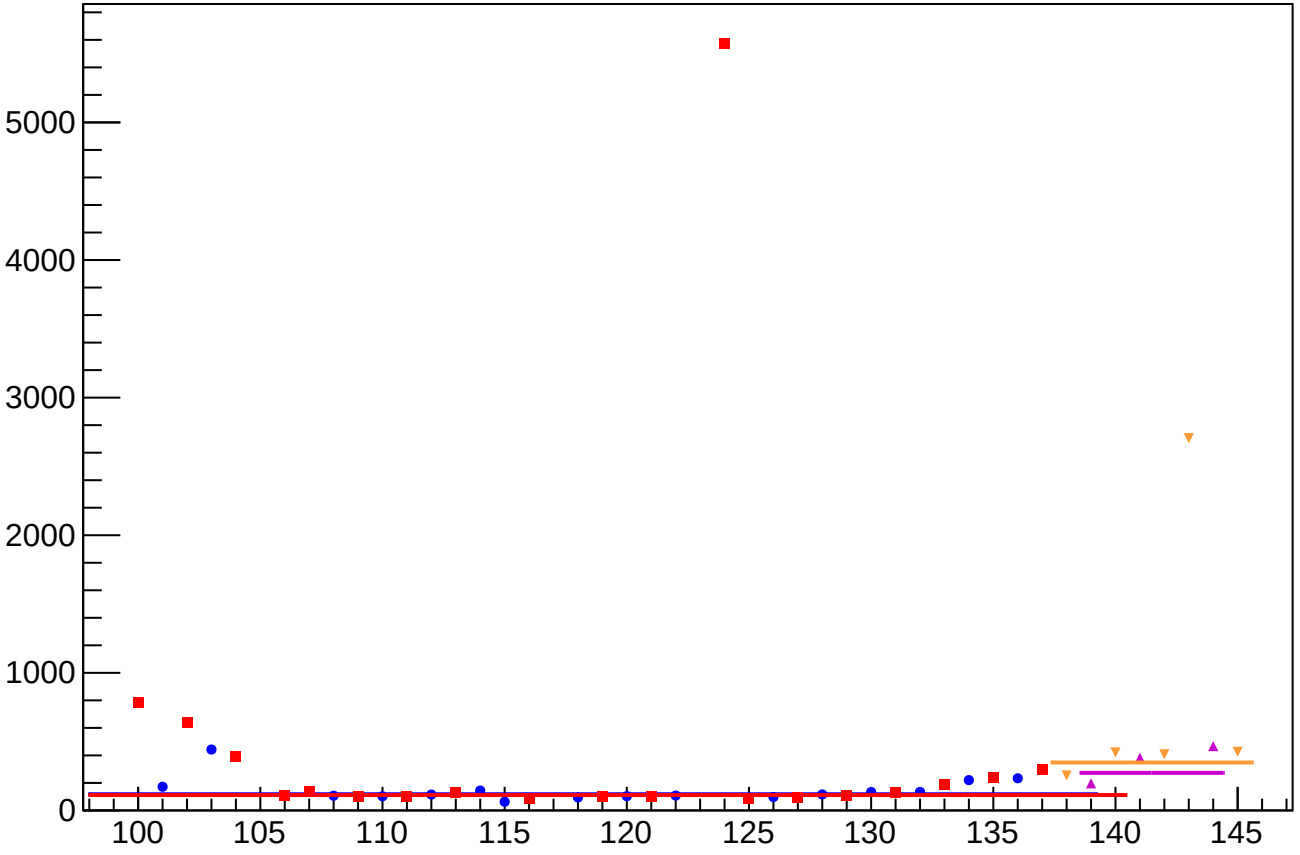
Left In: -0.218+/-0.185 χ^2/NDF:7.6/2

+ sign -0.013+/-0.047 χ^2/NDF: 22.3/20

All: -0.001+/-0.033 χ^2/NDF: 53.7/42

- sign 0.011+/-0.045 χ^2/NDF: 31.3/21

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

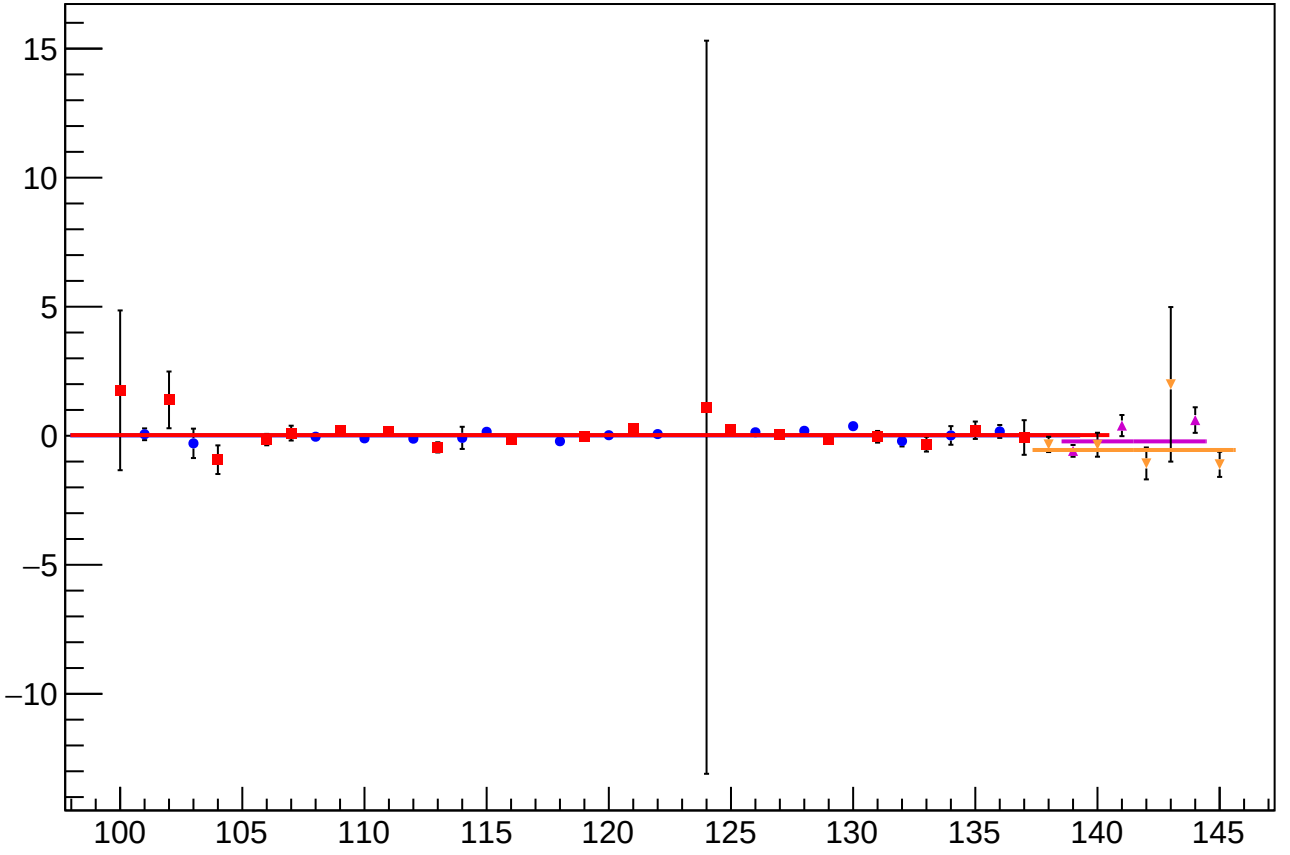
Left In: 273.204+/-0.131 χ^2/NDF:672866.3/2

+ sign 129.252+/-0.033 χ^2/NDF: 5621936.3/20

All: 125.426+/-0.023 χ^2/NDF: 9928413.0/42

- sign 121.803+/-0.032 χ^2/NDF: 4280309.0/21

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

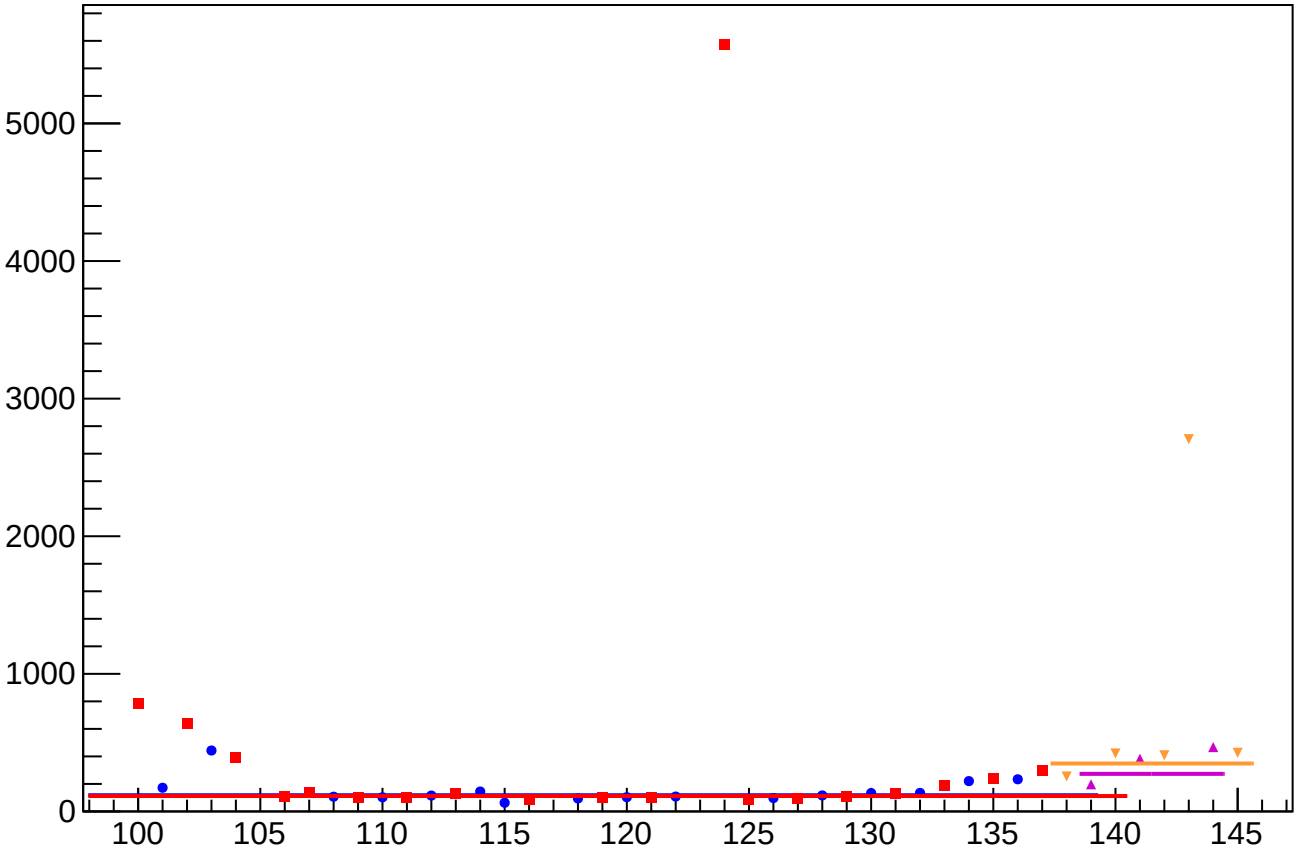
Left In: -0.218+/-0.185 χ^2/NDF:7.6/2

+ sign -0.013+/-0.047 χ^2/NDF: 22.3/20

All: -0.001+/-0.033 χ^2/NDF: 53.7/42

- sign 0.011+/-0.045 χ^2/NDF: 31.3/21

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

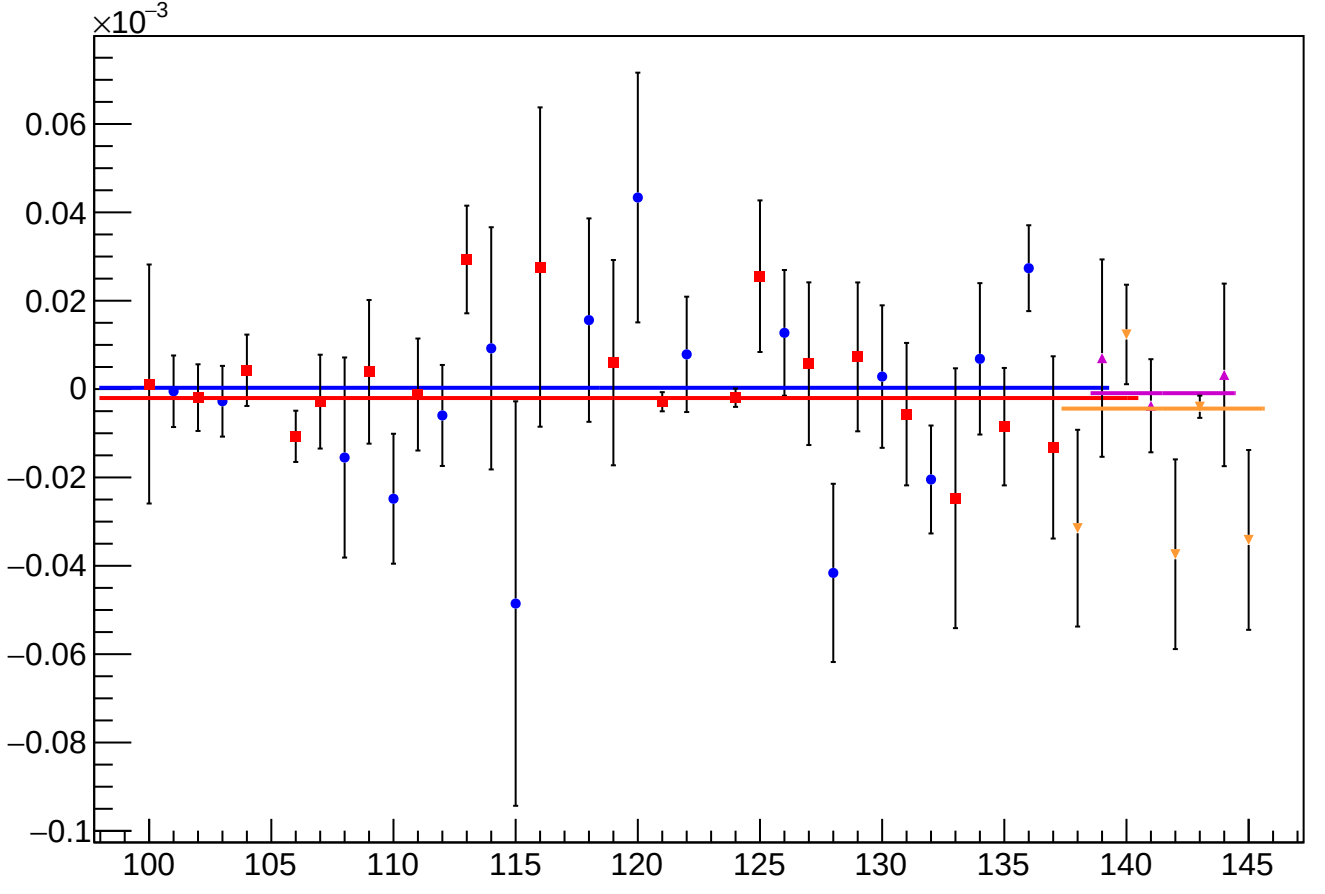
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 273.204+/-0.131 χ^2/NDF:672866.3/2

+ sign 129.252+/-0.033 χ^2/NDF: 5621936.3/20

All: 125.426+/-0.023 χ^2/NDF: 9928413.0/42

- sign 121.803+/-0.032 χ^2/NDF: 4280309.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/4

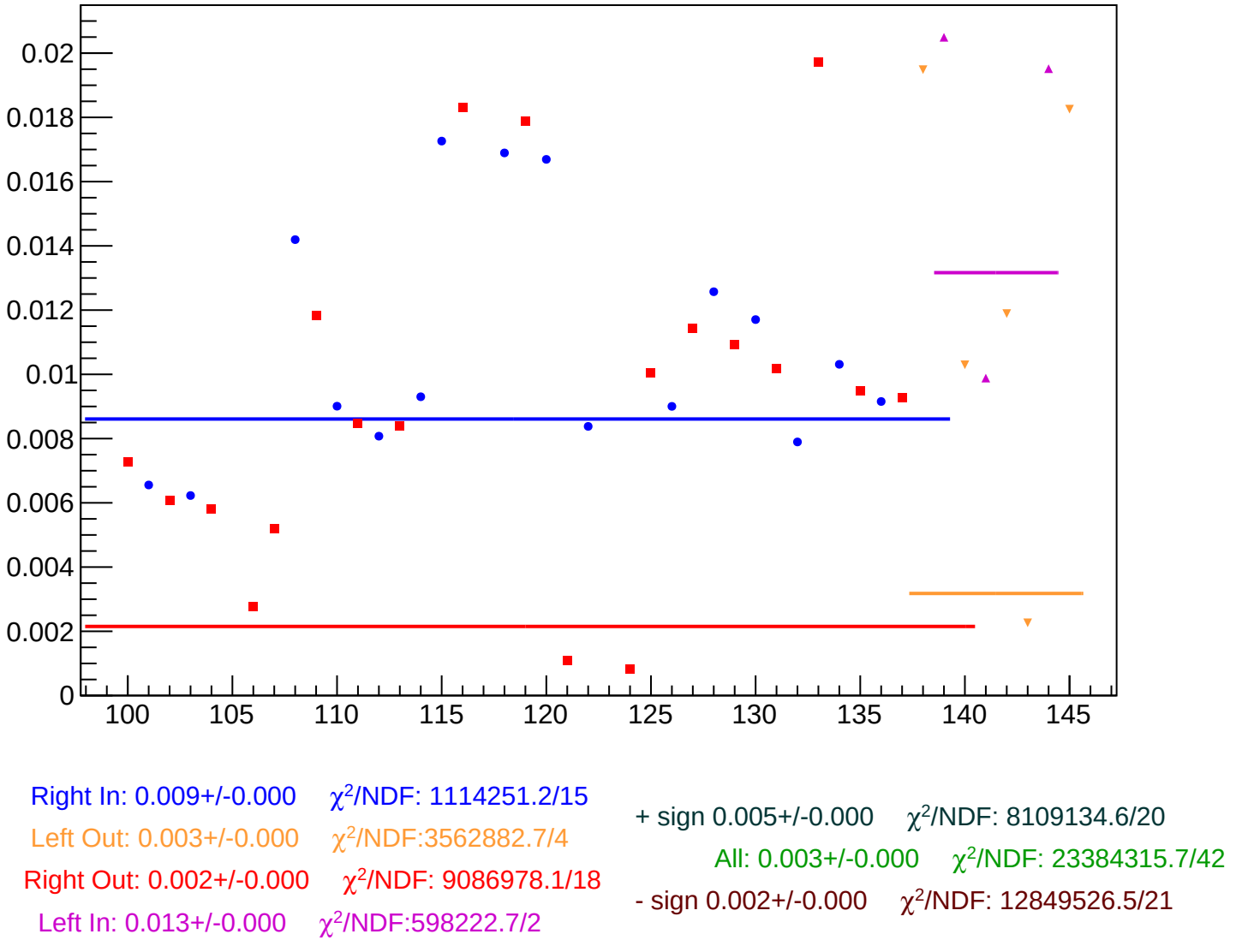
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

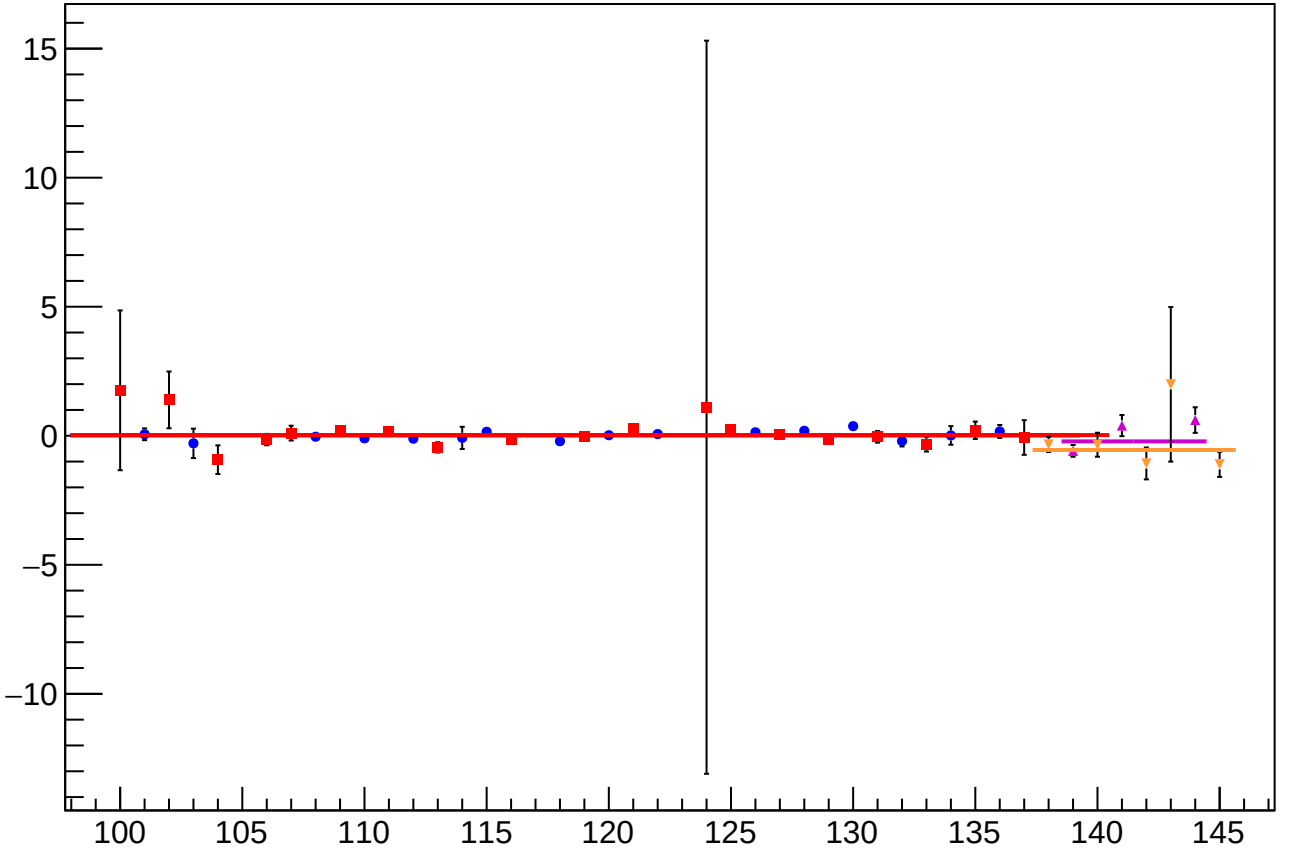
+ sign -0.000+/-0.000 χ^2/NDF: 33.6/20

All: -0.000+/-0.000 χ^2/NDF: 48.8/42

- sign -0.000+/-0.000 χ^2/NDF: 15.1/21


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
105
110
115
120
125
130
135
140
145
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: 0.013+/-0.000 χ²/NDF:598222.7/2
+ sign 0.005+/-0.000 χ²/NDF: 8109134.6/20
All: 0.003+/-0.000 χ²/NDF: 23384315.7/42
- sign 0.002+/-0.000 χ²/NDF: 12849526.5/21

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

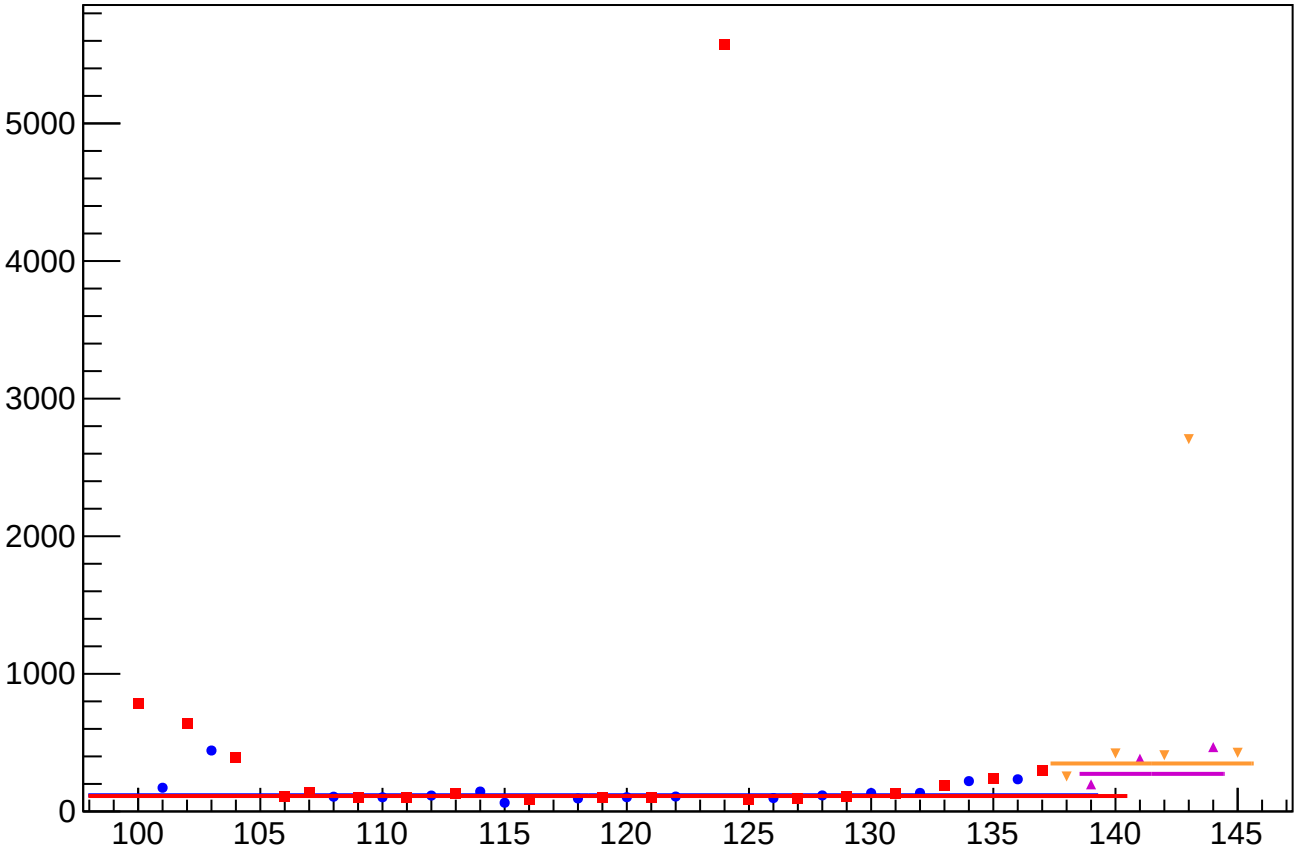
Left In: -0.218+/-0.185 χ^2/NDF:7.6/2

+ sign -0.013+/-0.047 χ^2/NDF: 22.3/20

All: -0.001+/-0.033 χ^2/NDF: 53.7/42

- sign 0.011+/-0.045 χ^2/NDF: 31.3/21

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

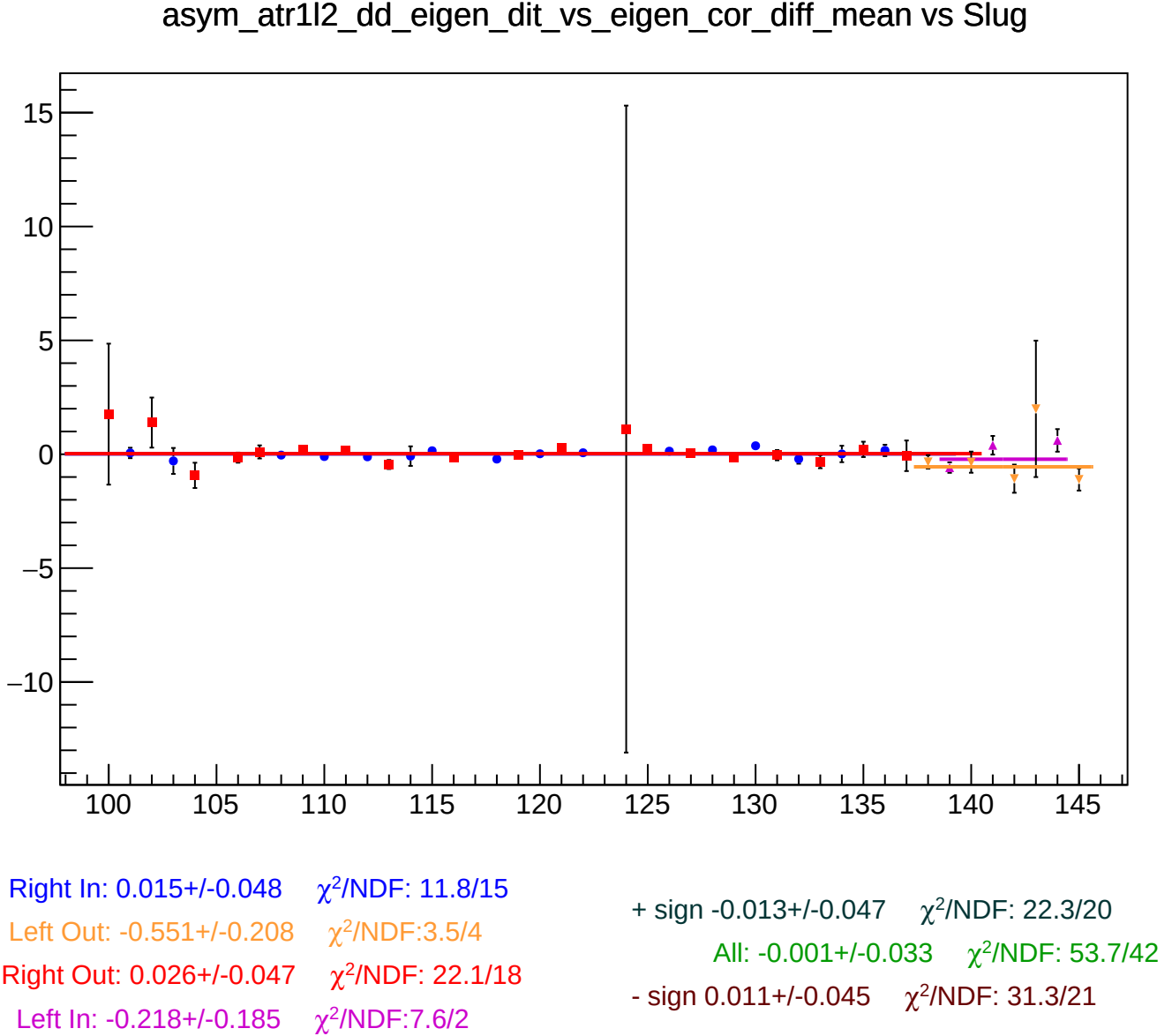
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

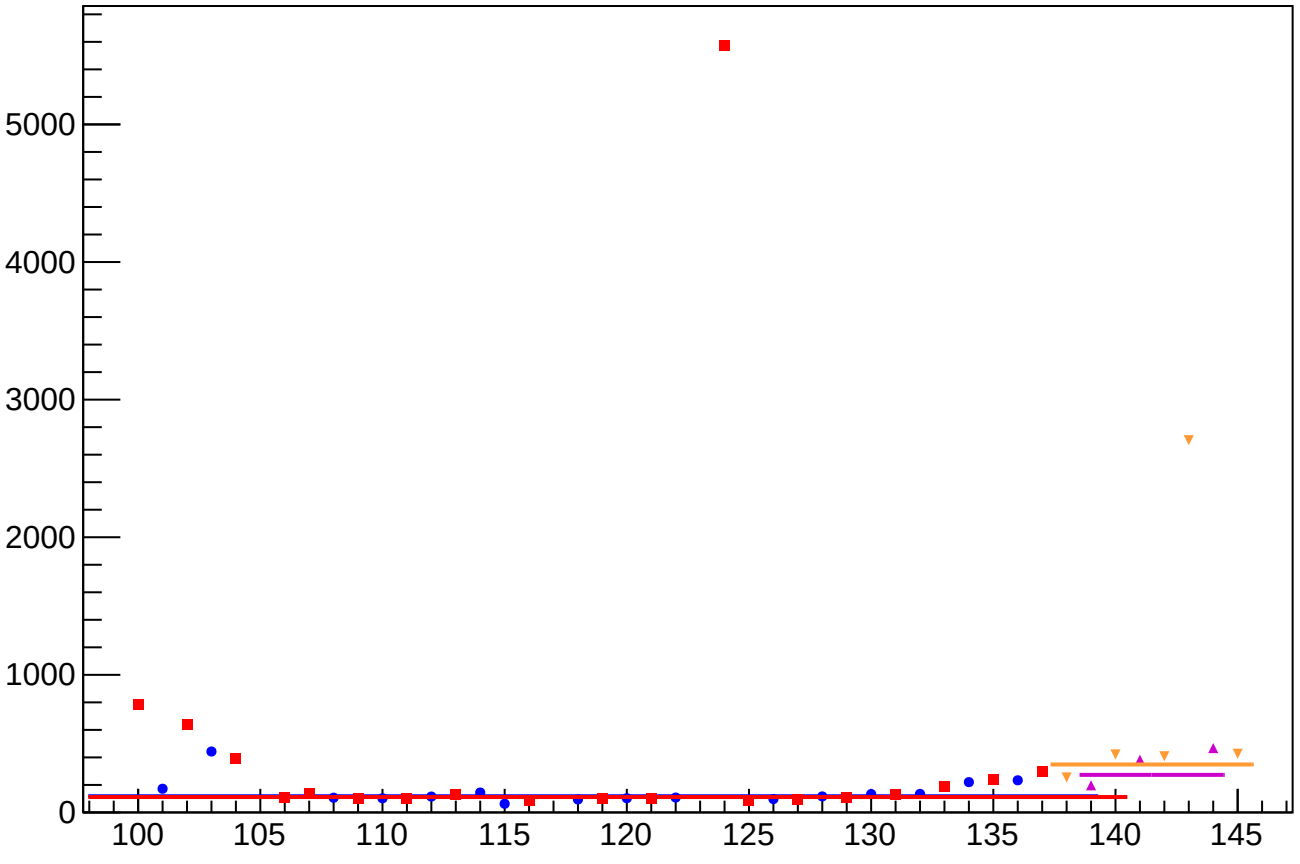
Left In: 273.209+/-0.131 χ^2/NDF:672856.4/2

+ sign 129.252+/-0.033 χ^2/NDF: 5621946.9/20

All: 125.426+/-0.023 χ^2/NDF: 9928344.9/42

- sign 121.805+/-0.032 χ^2/NDF: 4280243.0/21


asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
15
10
5
0
−5
−10
100
105
110
115
120
125
130
135
140
145
Right In: 0.015+/-0.048 χ²/NDF: 11.8/15
Left Out: -0.551+/-0.208 χ²/NDF:3.5/4
Right Out: 0.026+/-0.047 χ²/NDF: 22.1/18
Left In: -0.218+/-0.185 χ²/NDF:7.6/2
+ sign -0.013+/-0.047 χ²/NDF: 22.3/20
All: -0.001+/-0.033 χ²/NDF: 53.7/42
- sign 0.011+/-0.045 χ²/NDF: 31.3/21



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 348.586+/-0.147 χ^2/NDF:1563278.7/4

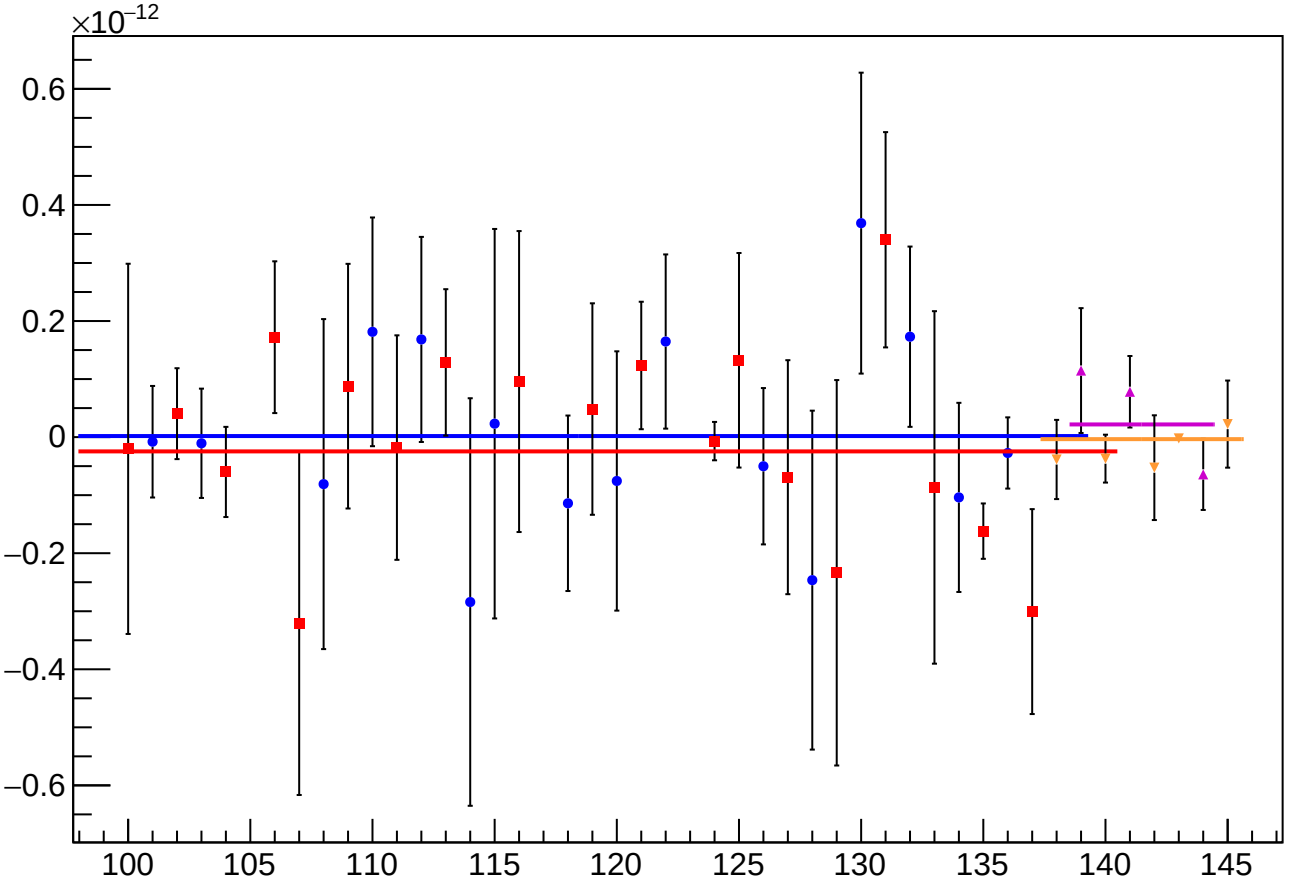
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 273.209+/-0.131 χ^2/NDF:672856.4/2

+ sign 129.252+/-0.033 χ^2/NDF: 5621946.9/20

All: 125.426+/-0.023 χ^2/NDF: 9928344.9/42

- sign 121.805+/-0.032 χ^2/NDF: 4280243.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/4

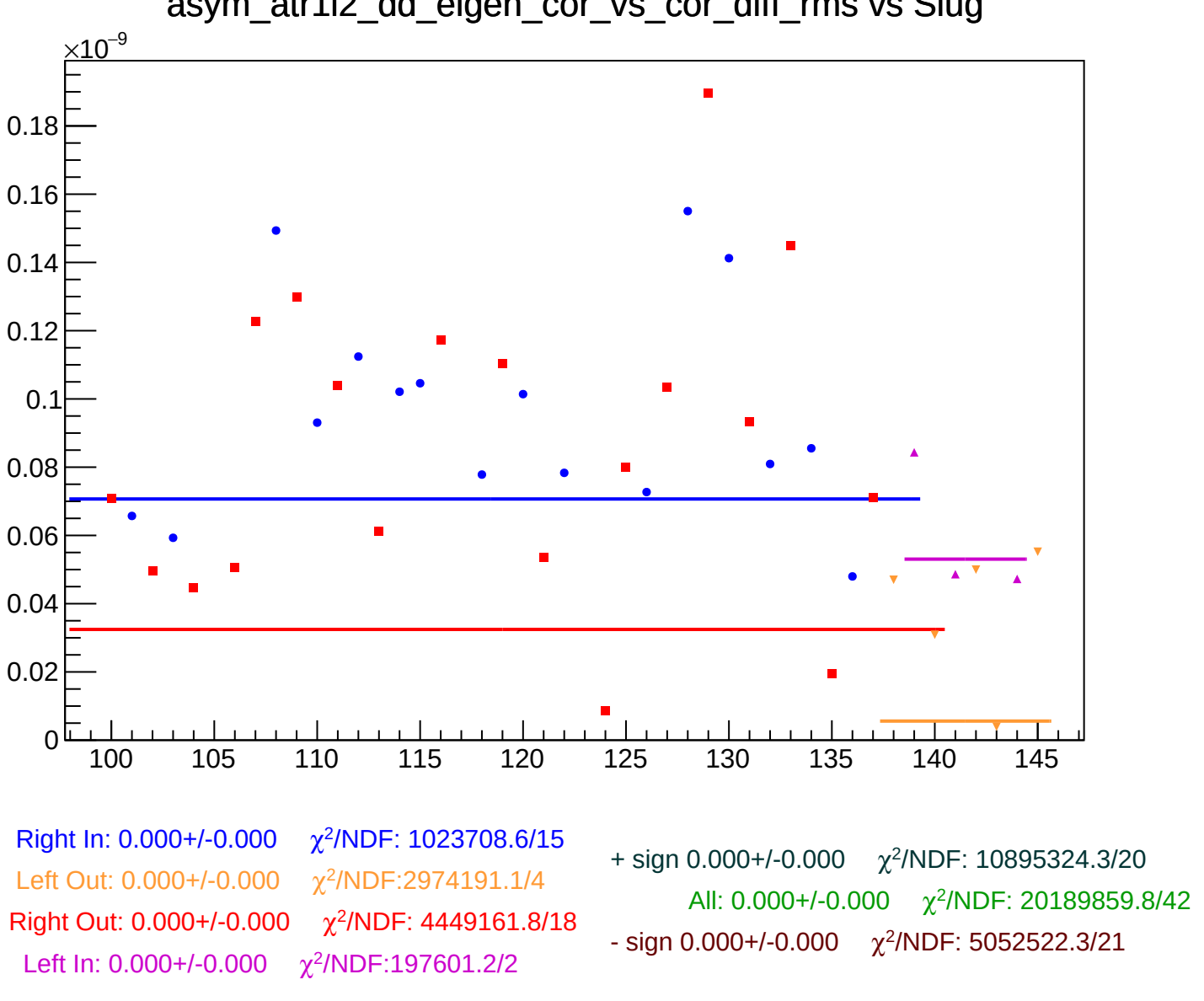
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/2

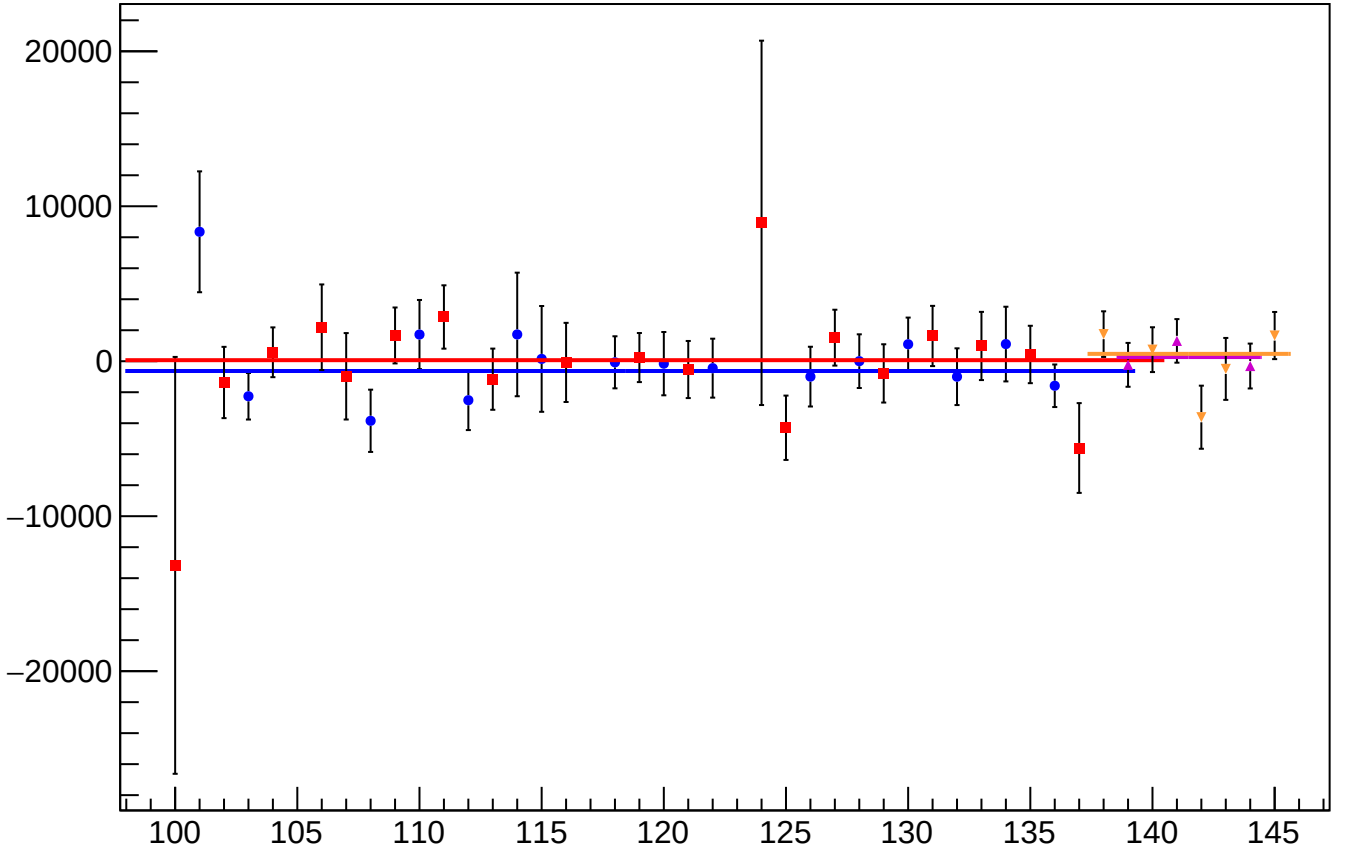
+ sign -0.000+/-0.000 χ^2/NDF: 10.5/20

All: -0.000+/-0.000 χ^2/NDF: 39.6/42

- sign -0.000+/-0.000 χ^2/NDF: 28.8/21


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
105
110
115
120
125
130
135
140
145
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:197601.2/2
+ sign 0.000+/-0.000 χ²/NDF: 10895324.3/20
All: 0.000+/-0.000 χ²/NDF: 20189859.8/42
- sign 0.000+/-0.000 χ²/NDF: 5052522.3/21

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

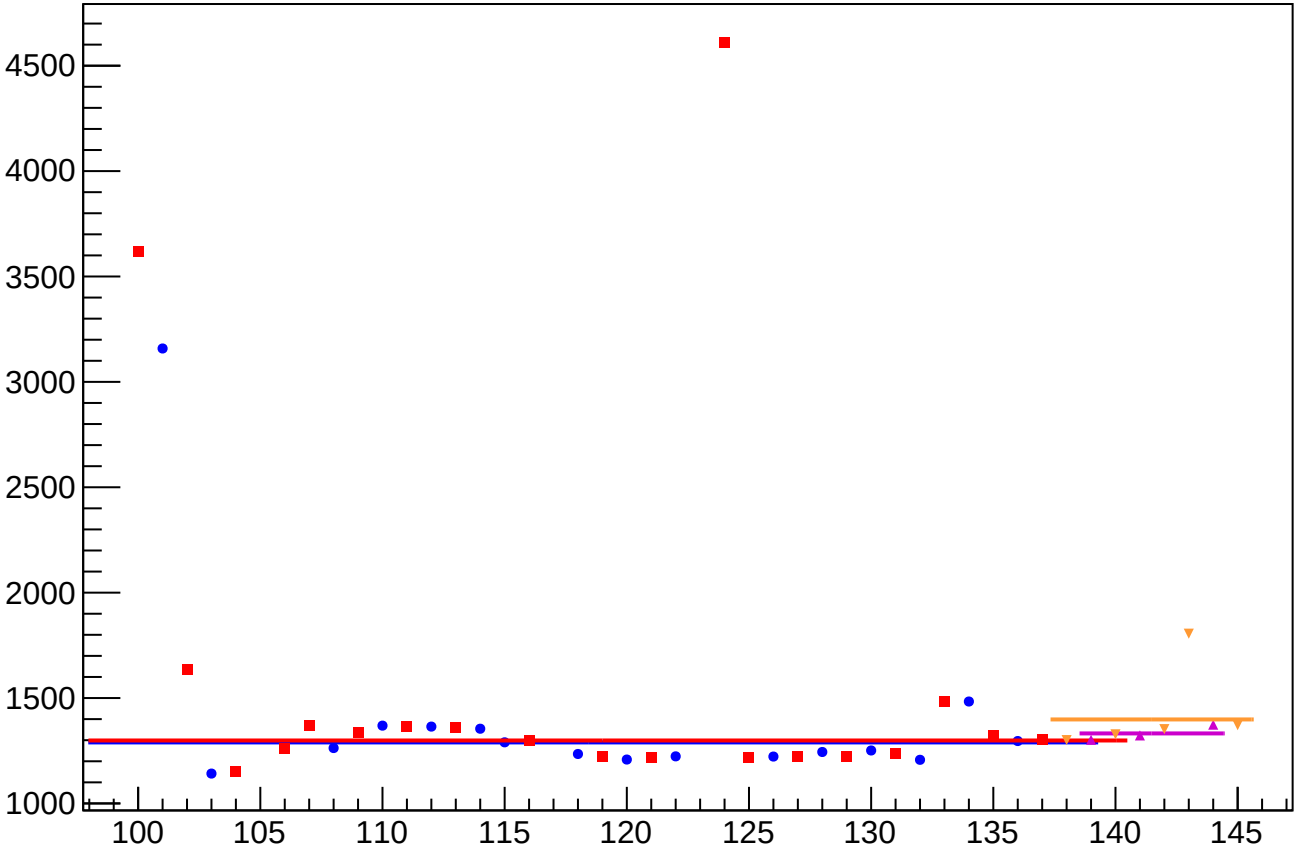
Left In: 269.681+/-821.347 χ^2/NDF:0.8/2

+ sign -290.574+/-406.524 χ^2/NDF: 21.1/20

All: -91.525+/-291.896 χ^2/NDF: 38.4/42

- sign 120.317+/-419.384 χ^2/NDF: 16.7/21

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

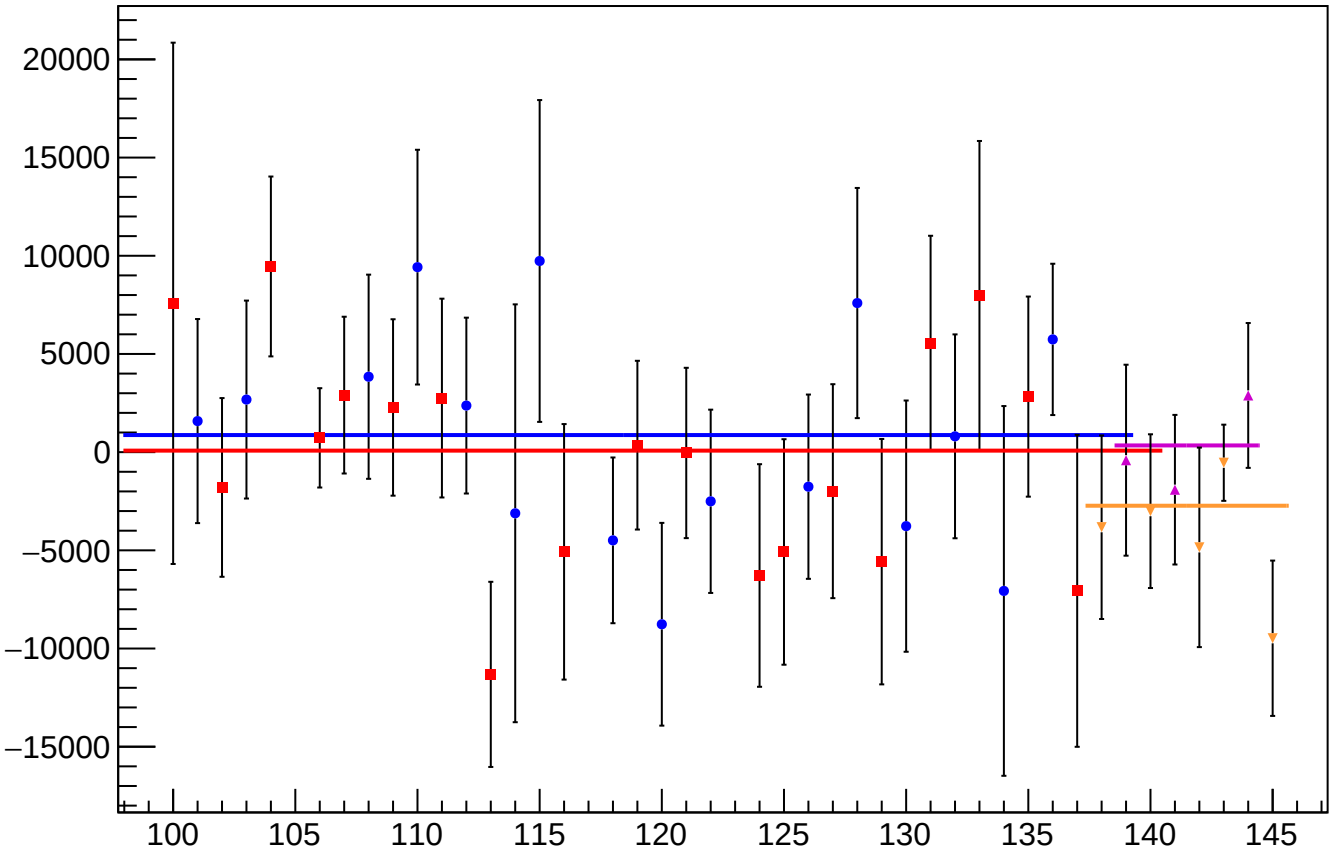
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1332.130+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643518.3/20

All: 1315.416+/-0.206 χ^2/NDF: 969448.6/42

- sign 1307.349+/-0.296 χ^2/NDF: 324486.8/21



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2728.713+/-1444.041 χ^2/NDF:4.4/4

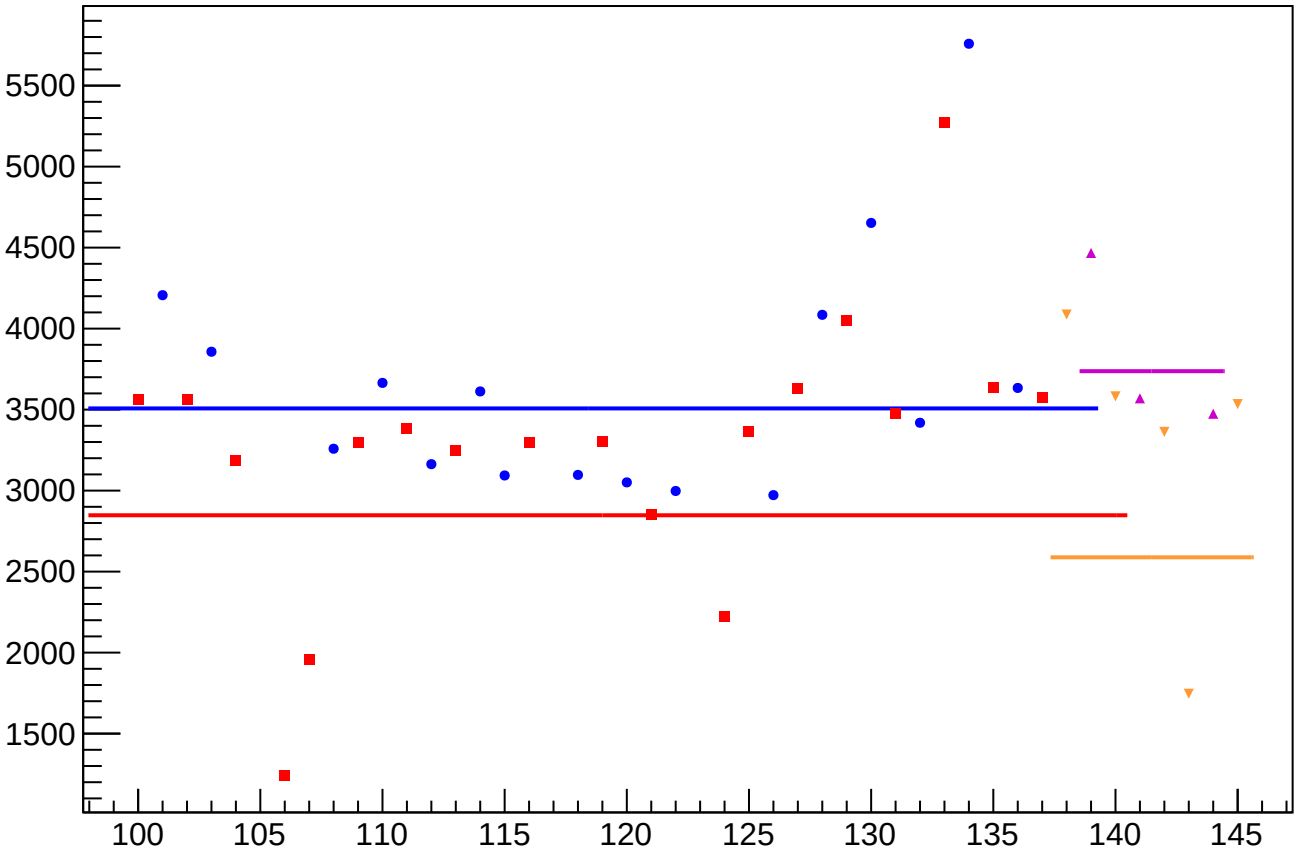
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 341.754+/-2326.506 χ^2/NDF:0.9/2

+ sign -775.149+/-976.404 χ^2/NDF: 21.8/20

All: -336.293+/-699.502 χ^2/NDF: 41.5/42

- sign 126.433+/-1002.607 χ^2/NDF: 19.2/21



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

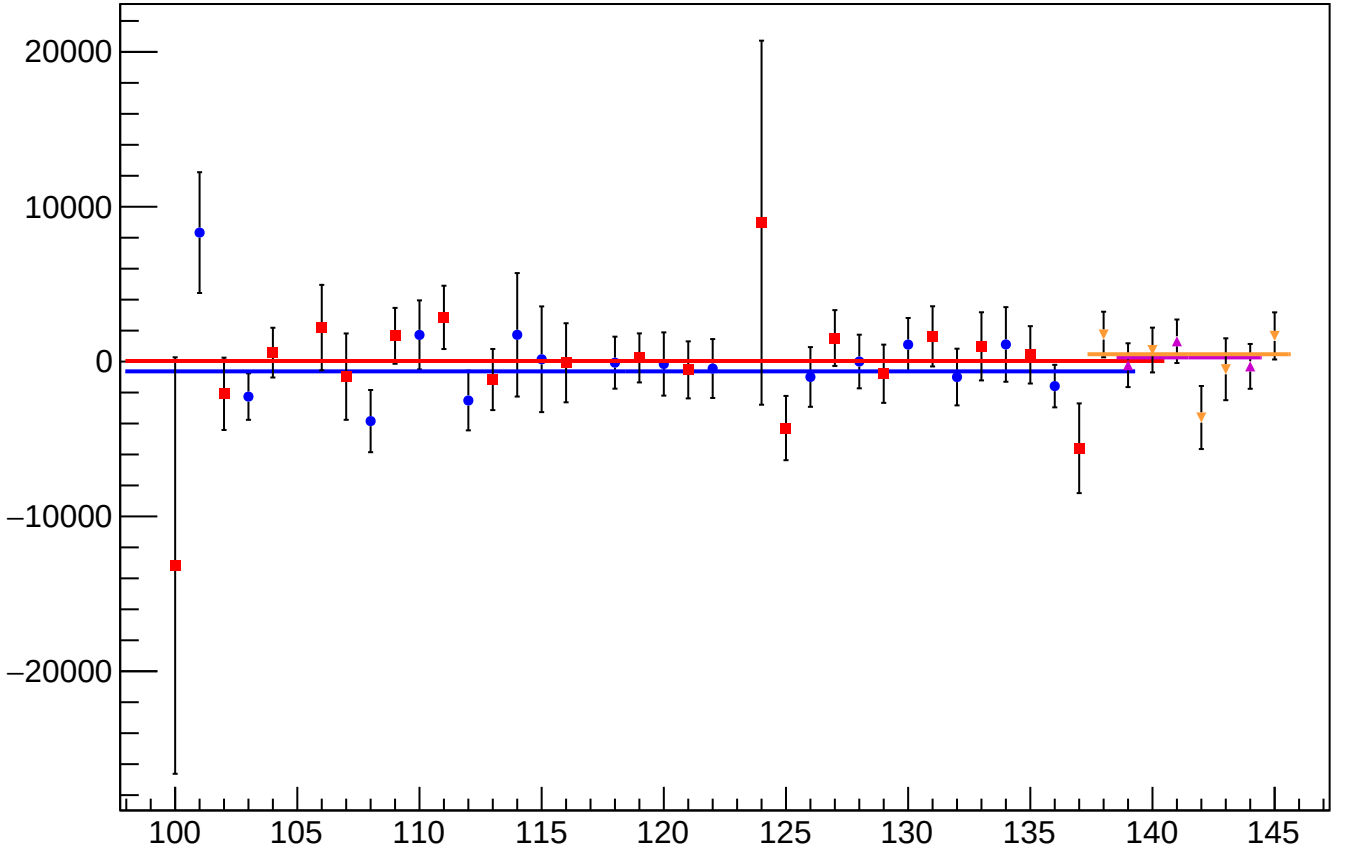
Left In: 3737.276+/-1.645 χ^2/NDF:59109.6/2

+ sign 3087.222+/-0.690 χ^2/NDF: 1666091.3/20

All: 3051.102+/-0.495 χ^2/NDF: 3468228.2/42

- sign 3013.018+/-0.709 χ^2/NDF: 1796514.3/21

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

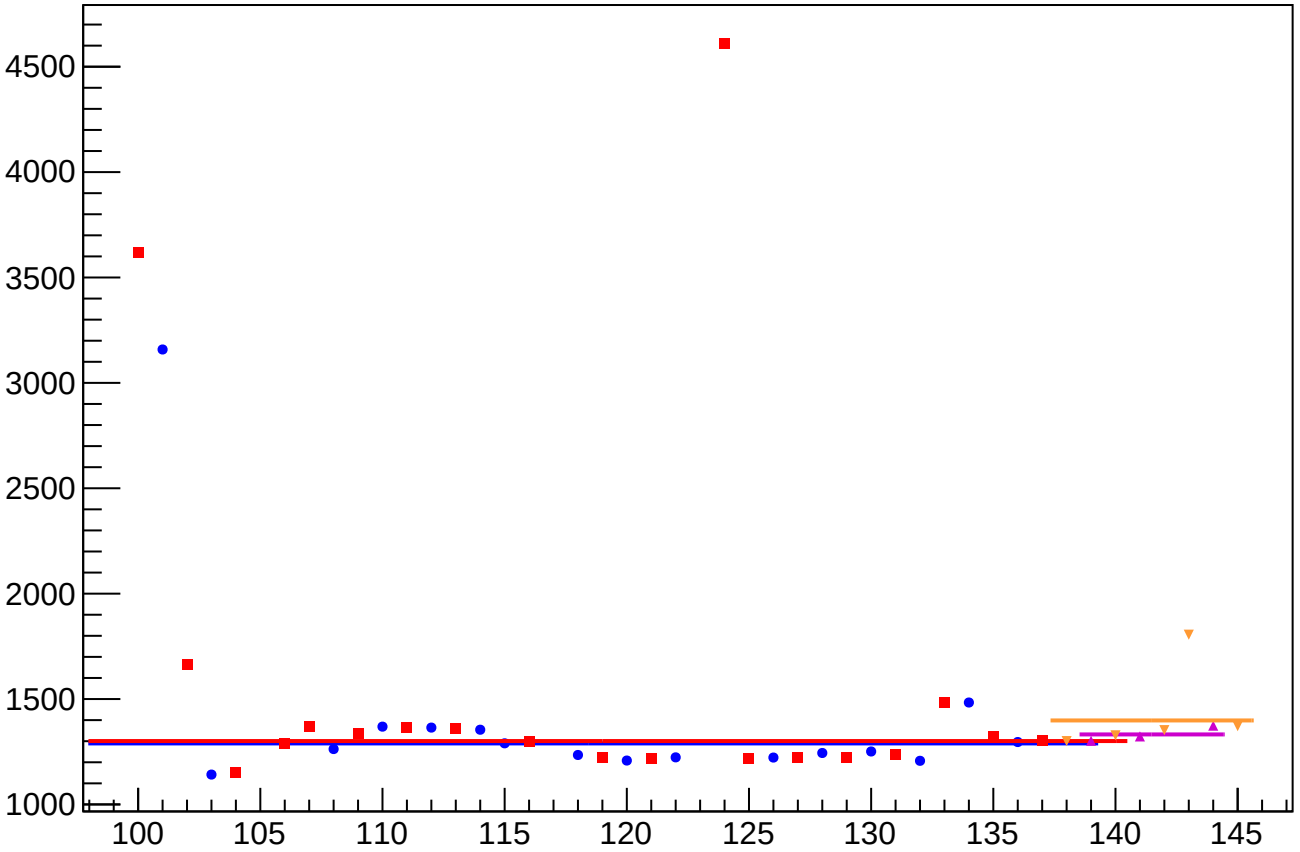
Left In: 269.641+/-821.347 χ^2/NDF:0.8/2

+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -102.121+/-291.966 χ^2/NDF: 38.8/42

- sign 98.913+/-419.590 χ^2/NDF: 17.2/21

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

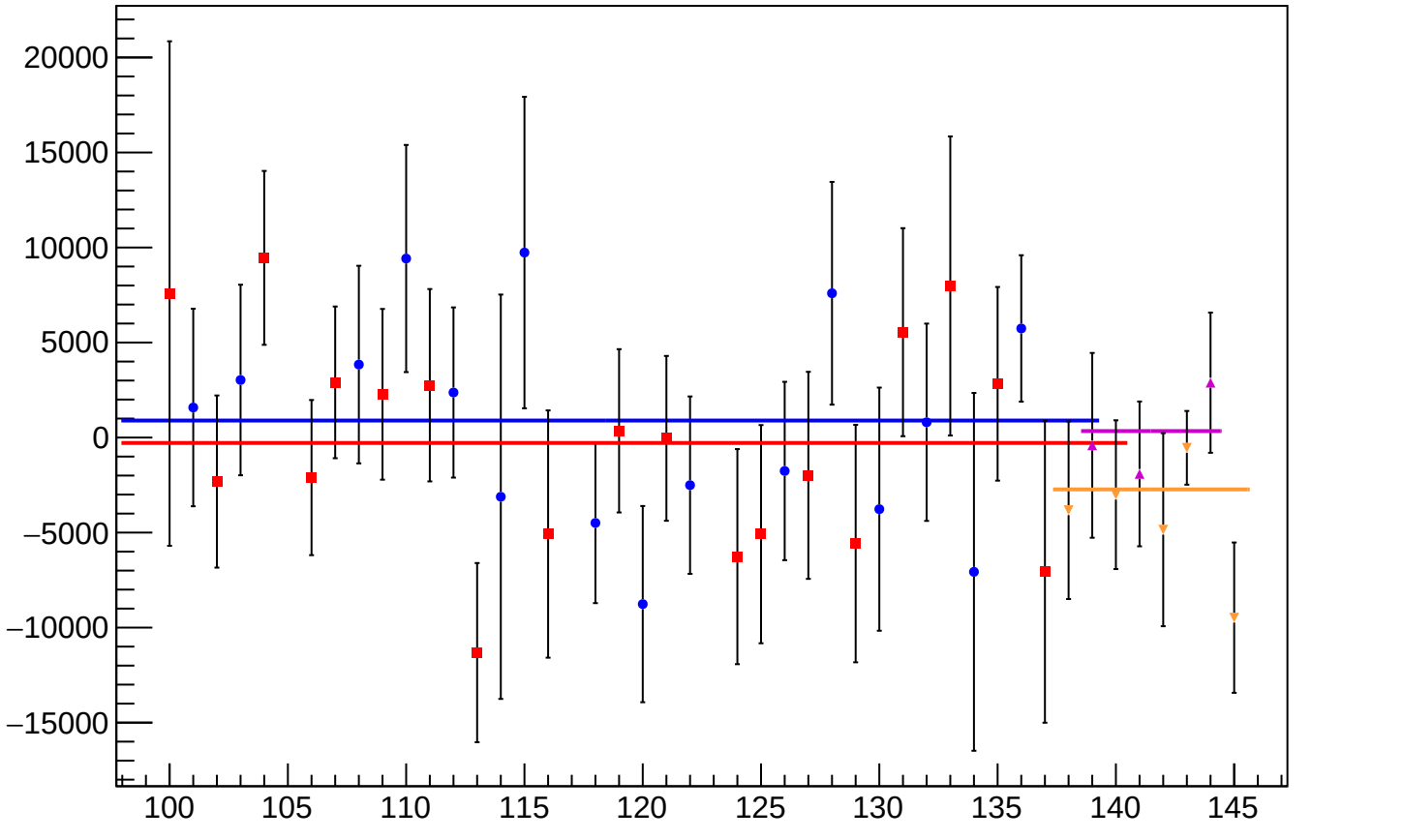
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1316.161+/-0.206 χ^2/NDF: 975424.8/42

- sign 1308.868+/-0.296 χ^2/NDF: 330728.9/21



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2728.480+/-1444.035 χ^2/NDF:4.4/4

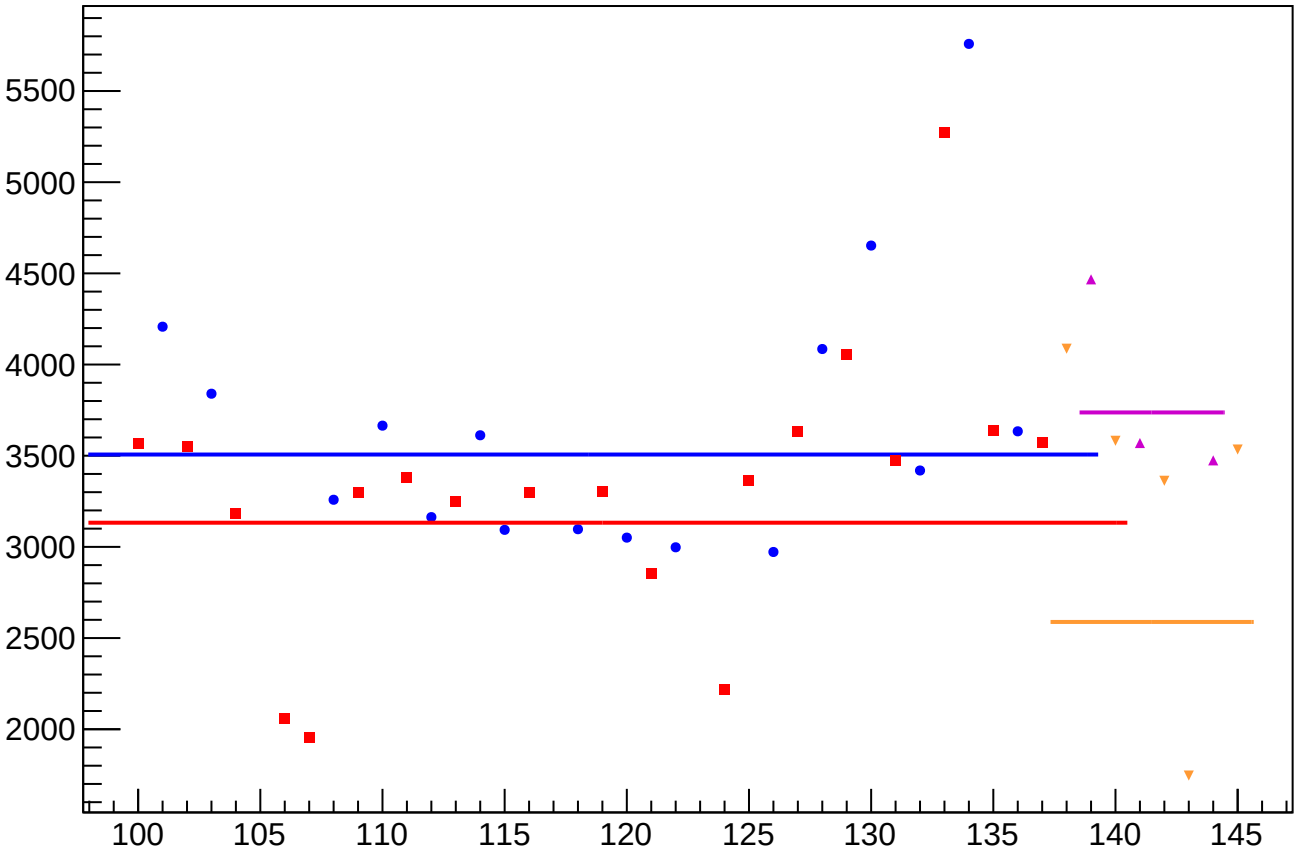
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 341.762+/-2326.502 χ^2/NDF:0.9/2

+ sign -760.469+/-976.220 χ^2/NDF: 21.9/20

All: -481.252+/-716.408 χ^2/NDF: 41.6/42

- sign -155.383+/-1054.624 χ^2/NDF: 19.5/21



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

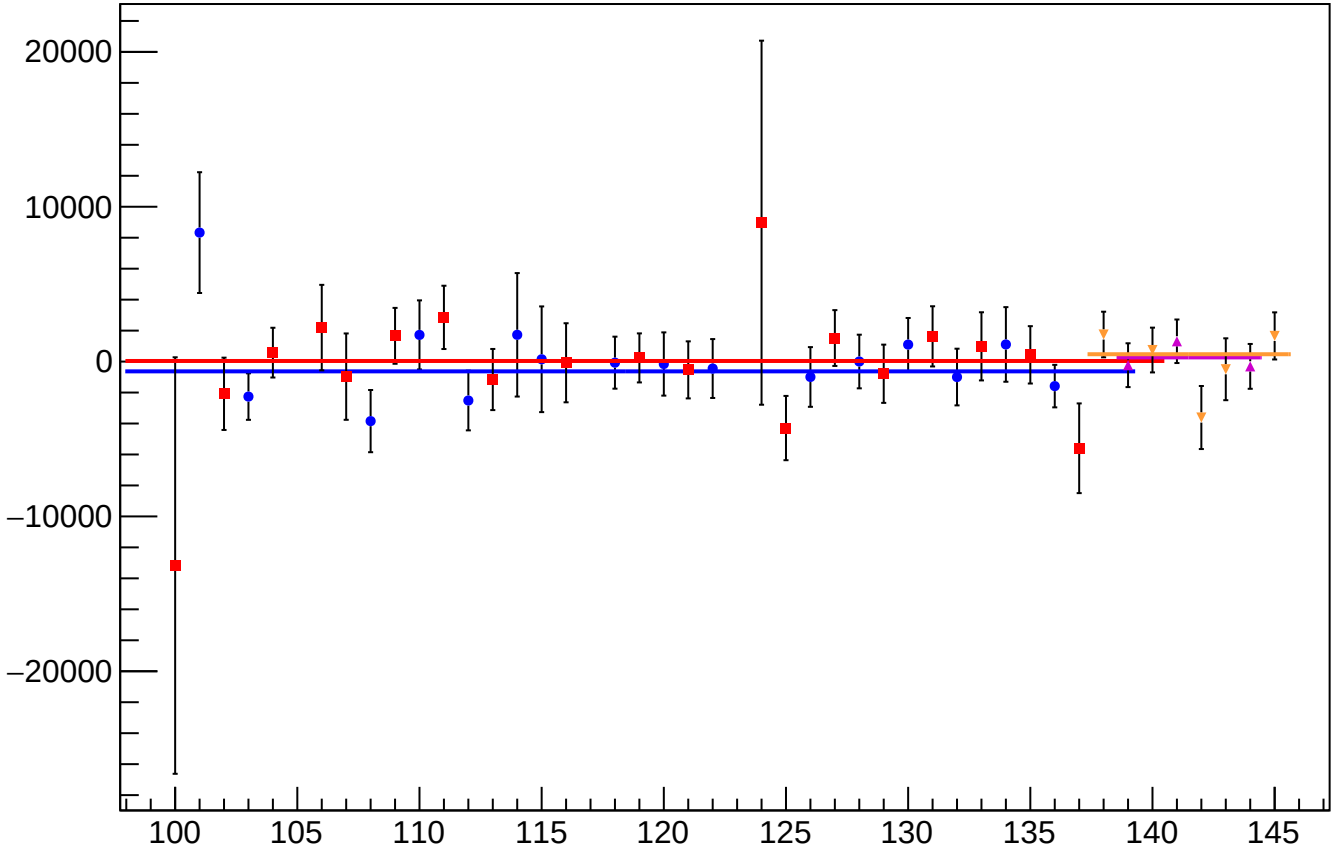
Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

\+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3165.307+/-0.507 χ^2/NDF: 2508679.9/42

\- sign 3256.842+/-0.746 χ^2/NDF: 816064.2/21

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

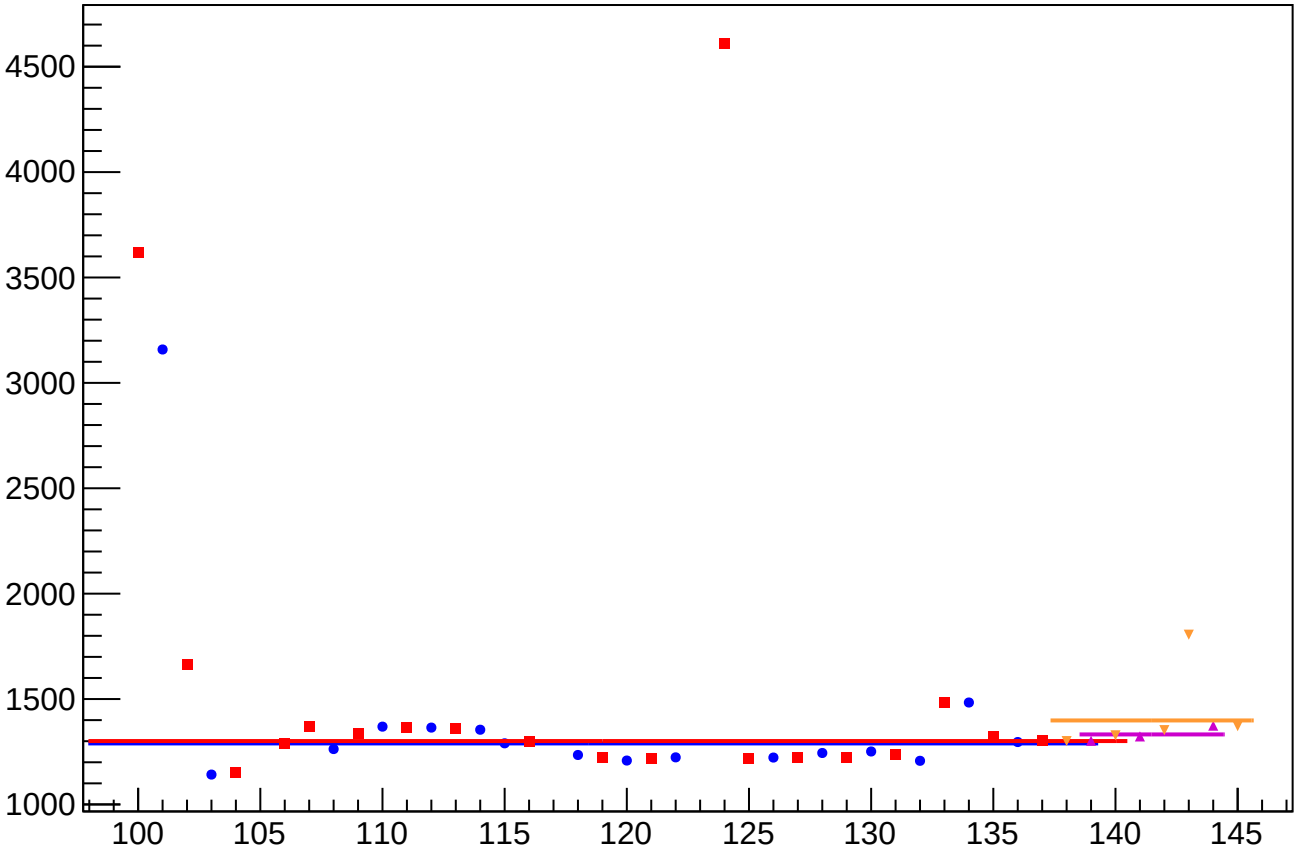
Left In: 269.641+/-821.347 χ^2/NDF:0.8/2

+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -102.121+/-291.966 χ^2/NDF: 38.8/42

- sign 98.913+/-419.590 χ^2/NDF: 17.2/21

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

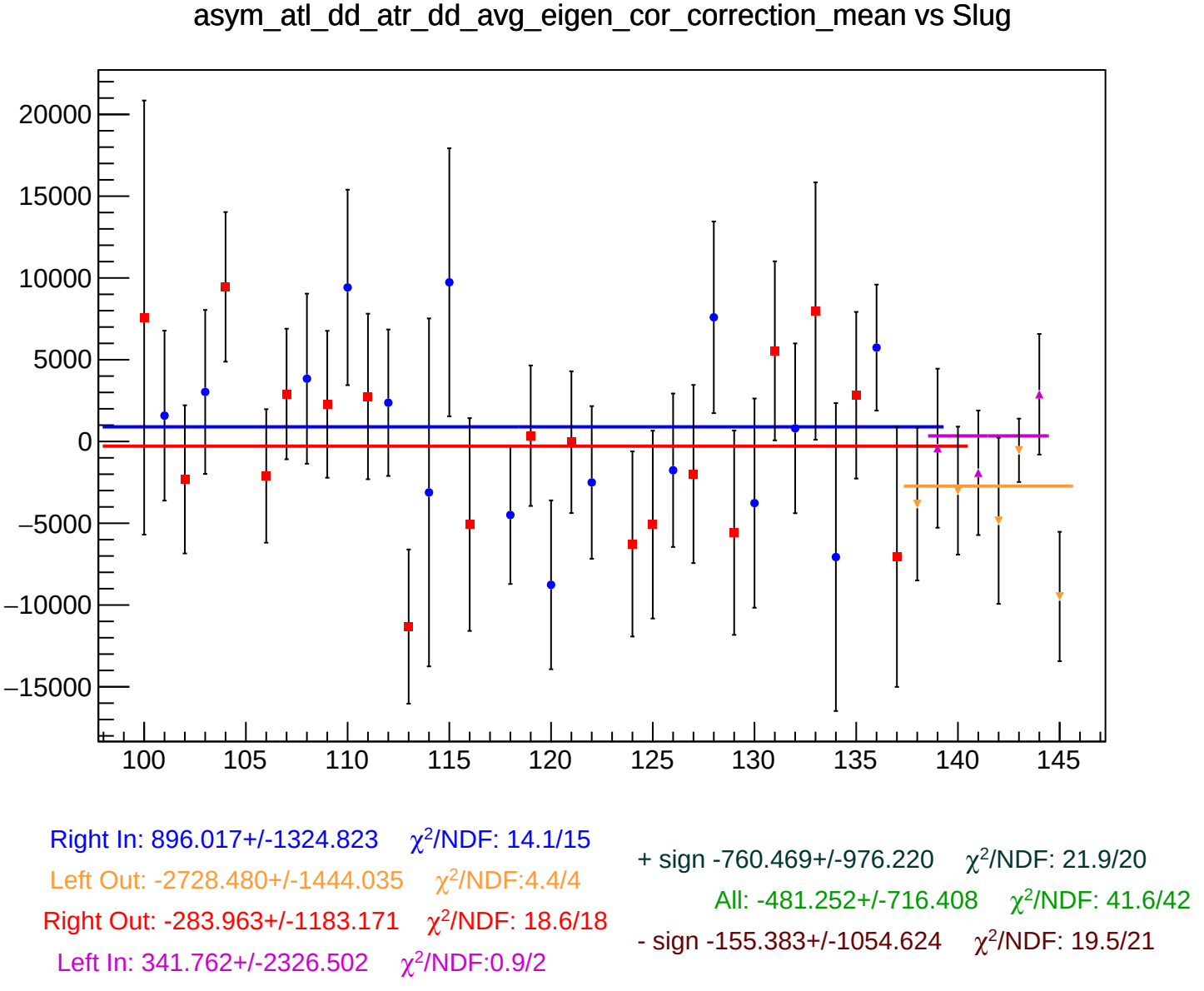
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

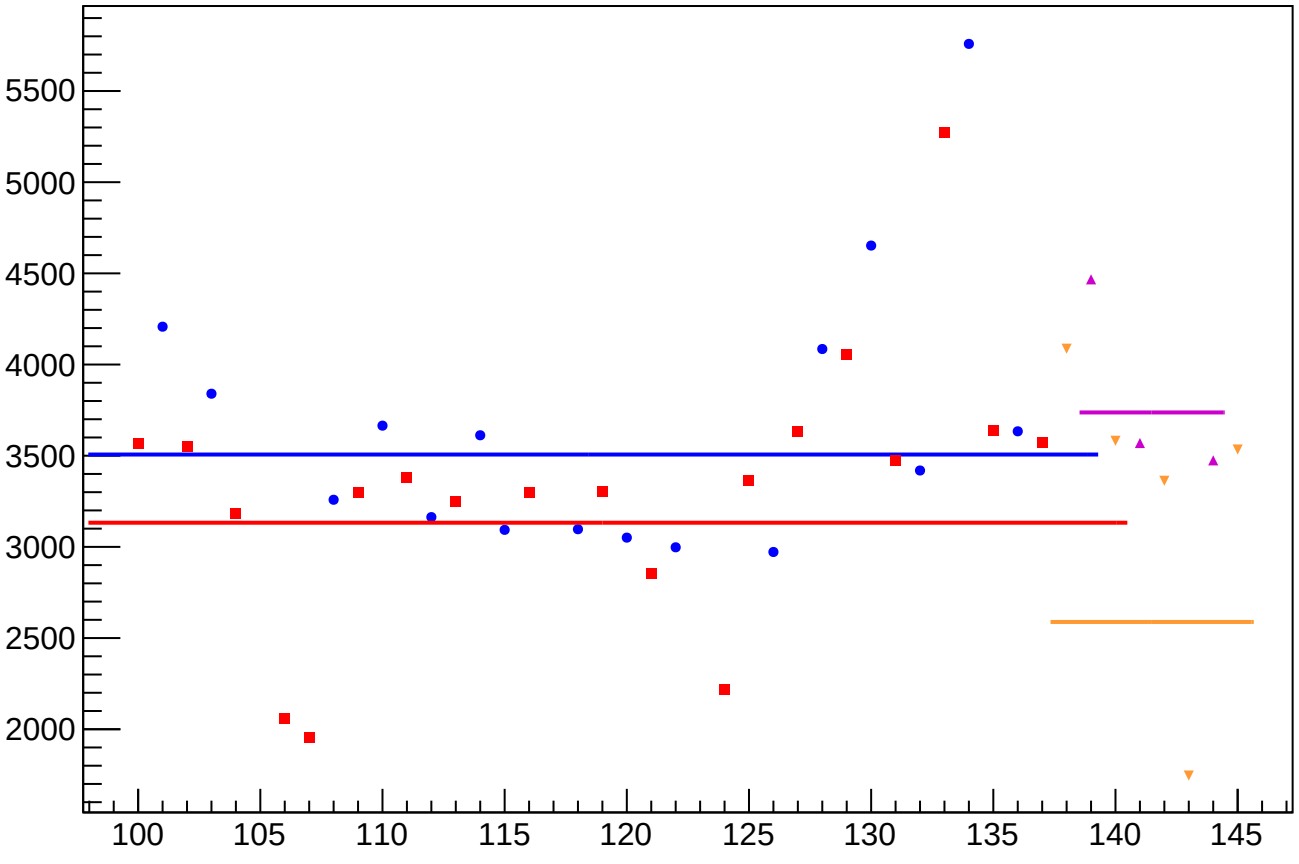
Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1316.161+/-0.206 χ^2/NDF: 975424.8/42

- sign 1308.868+/-0.296 χ^2/NDF: 330728.9/21


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
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: 341.762+/-2326.502 χ²/NDF:0.9/2
+ sign -760.469+/-976.220 χ²/NDF: 21.9/20
All: -481.252+/-716.408 χ²/NDF: 41.6/42
- sign -155.383+/-1054.624 χ²/NDF: 19.5/21



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

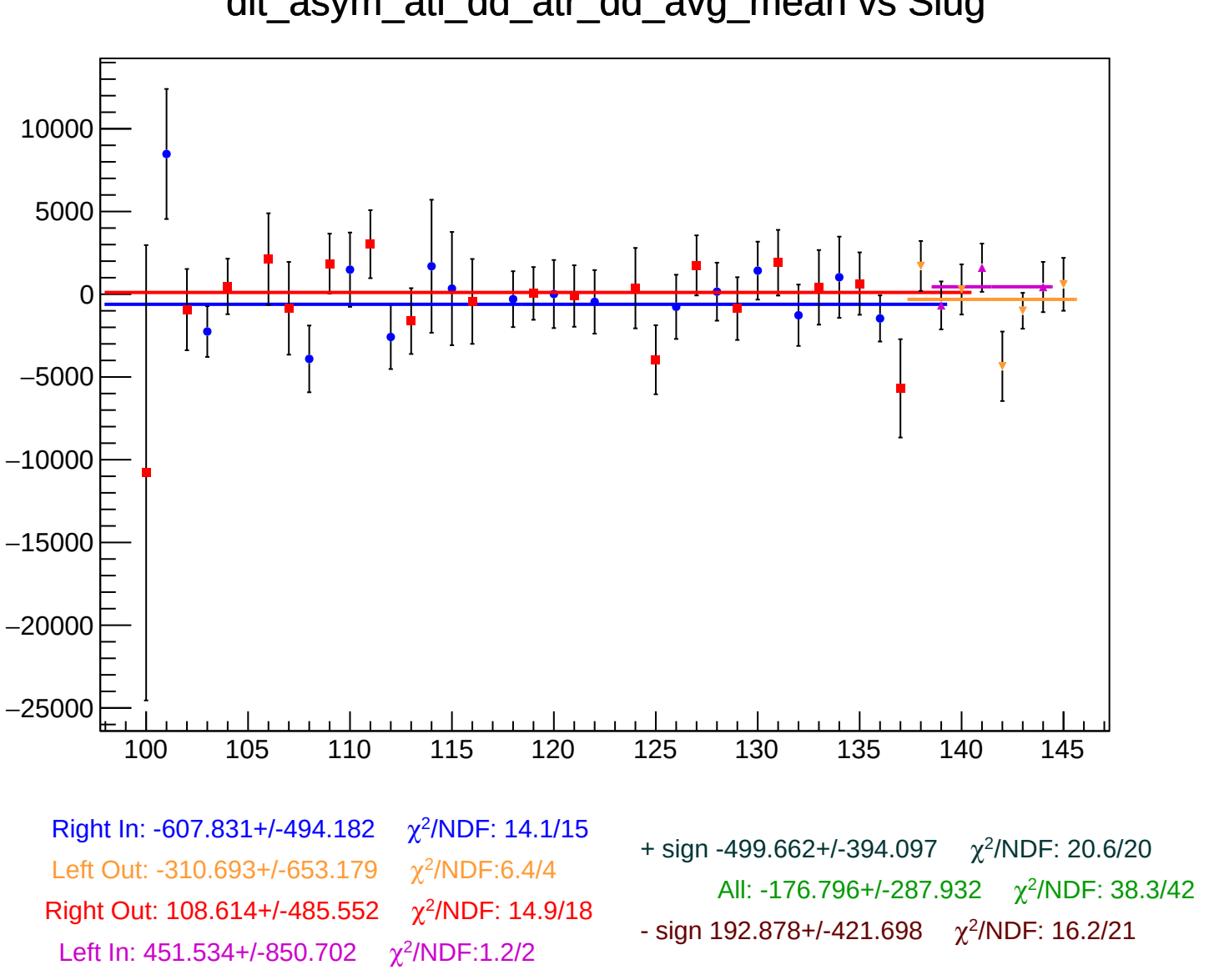
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

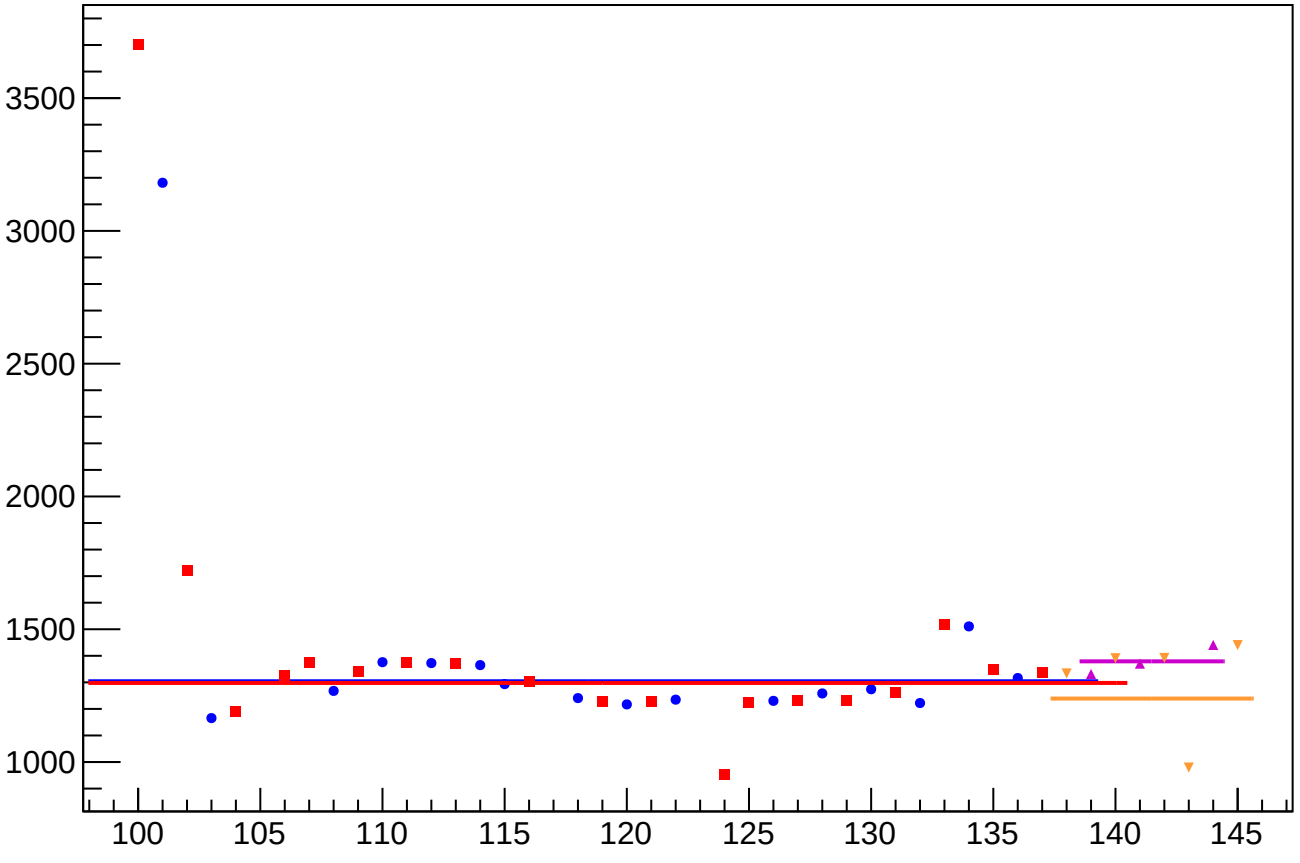
+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3165.307+/-0.507 χ^2/NDF: 2508679.9/42

- sign 3256.842+/-0.746 χ^2/NDF: 816064.2/21


dit_asym_atl_dd_atr_dd_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: -607.831+/-494.182 χ²/NDF: 14.1/15
Left Out: -310.693+/-653.179 χ²/NDF:6.4/4
Right Out: 108.614+/-485.552 χ²/NDF: 14.9/18
Left In: 451.534+/-850.702 χ²/NDF:1.2/2
+ sign -499.662+/-394.097 χ²/NDF: 20.6/20
All: -176.796+/-287.932 χ²/NDF: 38.3/42
- sign 192.878+/-421.698 χ²/NDF: 16.2/21

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

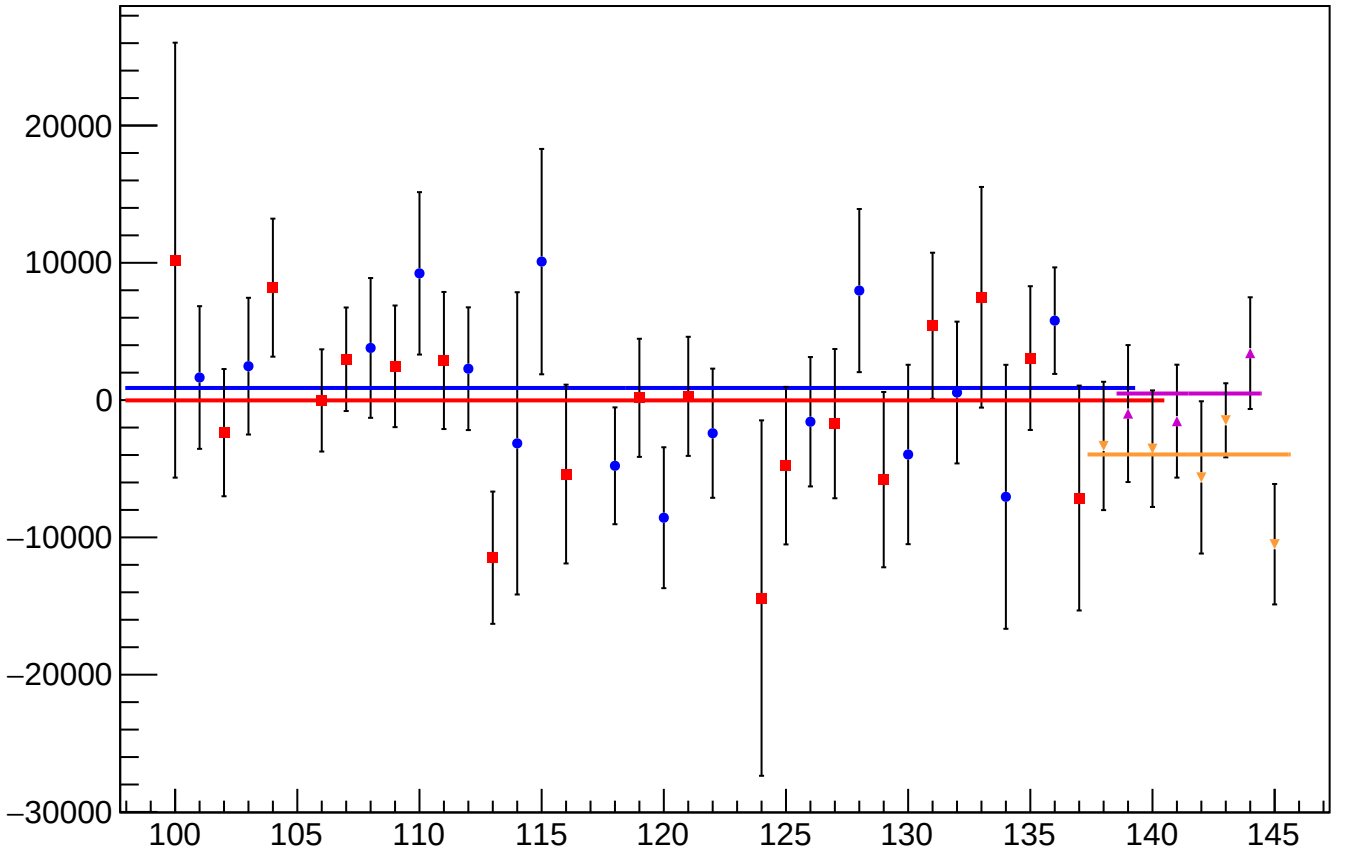
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1379.156+/-0.602 χ^2/NDF:5549.6/2

+ sign 1280.402+/-0.279 χ^2/NDF: 708317.2/20

All: 1297.832+/-0.204 χ^2/NDF: 949153.2/42

- sign 1317.766+/-0.298 χ^2/NDF: 232450.0/21



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

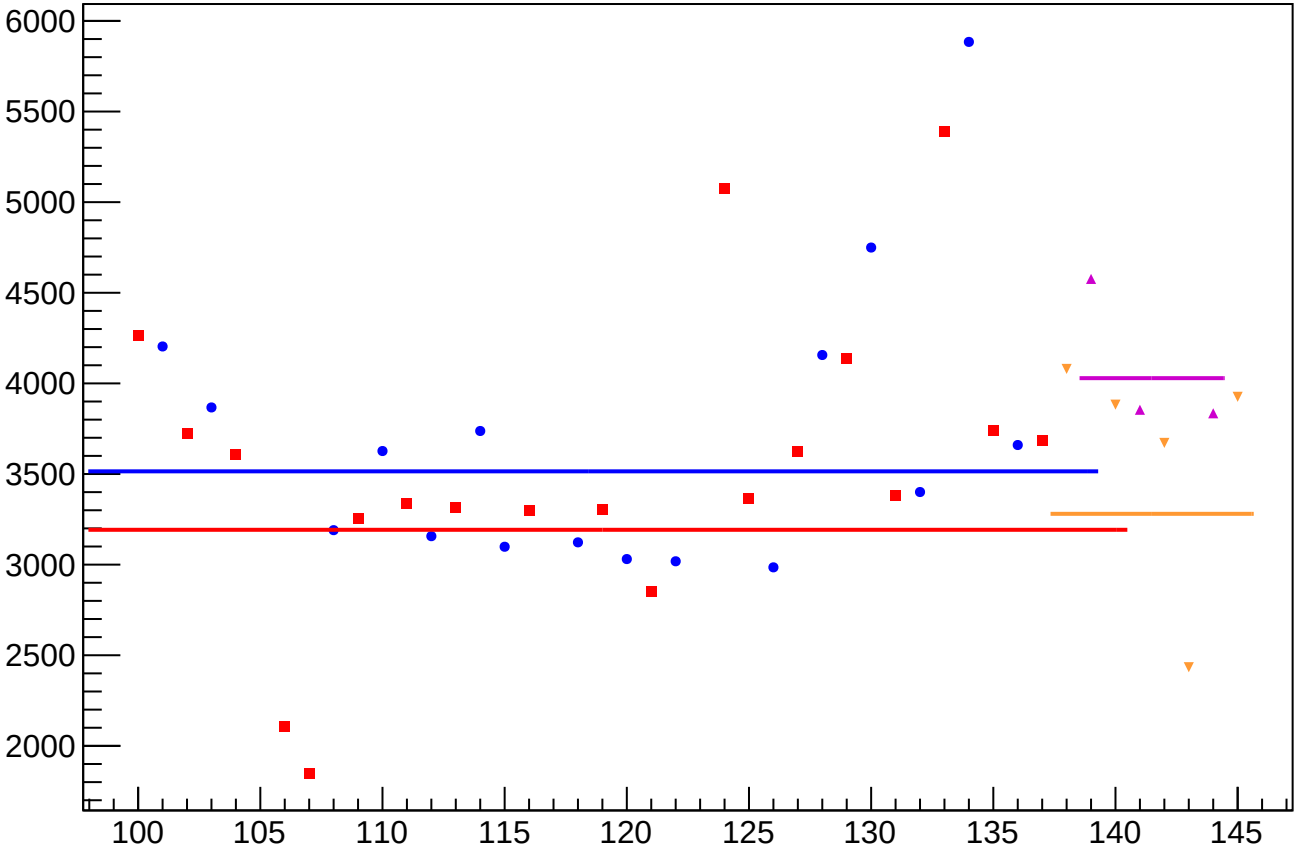
Left In: 479.573+/-2502.432 χ^2/NDF:0.8/2

+ sign -873.607+/-1059.554 χ^2/NDF: 22.1/20

All: -410.314+/-757.041 χ^2/NDF: 40.2/42

- sign 72.848+/-1082.035 χ^2/NDF: 17.7/21

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

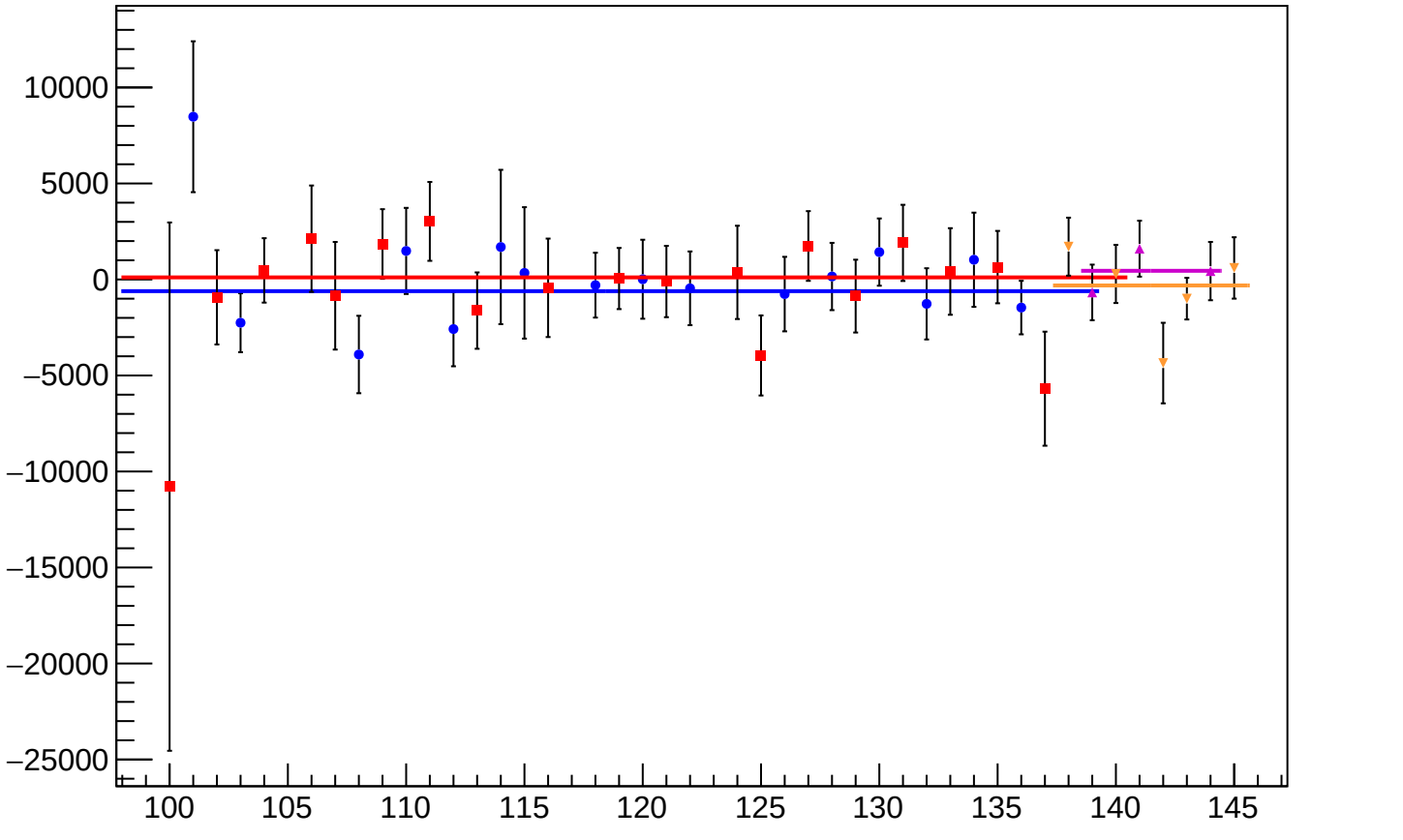
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4028.899+/-1.769 χ^2/NDF:32241.1/2

+ sign 3429.688+/-0.749 χ^2/NDF: 746719.8/20

All: 3390.013+/-0.535 χ^2/NDF: 1738967.3/42

- sign 3348.636+/-0.765 χ^2/NDF: 986518.6/21



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

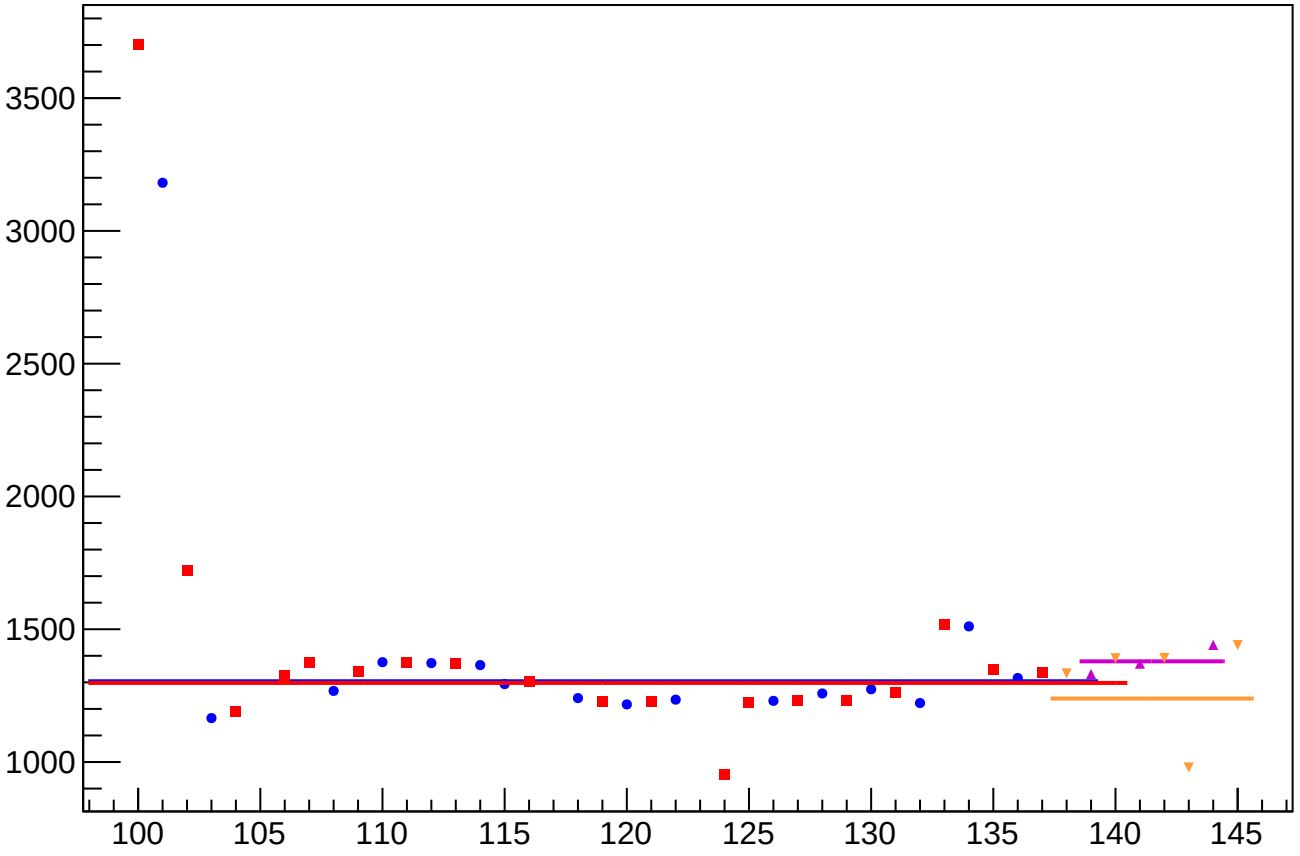
Left In: 451.531+/-850.703 χ^2/NDF:1.2/2

+ sign -499.667+/-394.098 χ^2/NDF: 20.6/20

All: -176.797+/-287.932 χ^2/NDF: 38.3/42

- sign 192.881+/-421.698 χ^2/NDF: 16.2/21

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

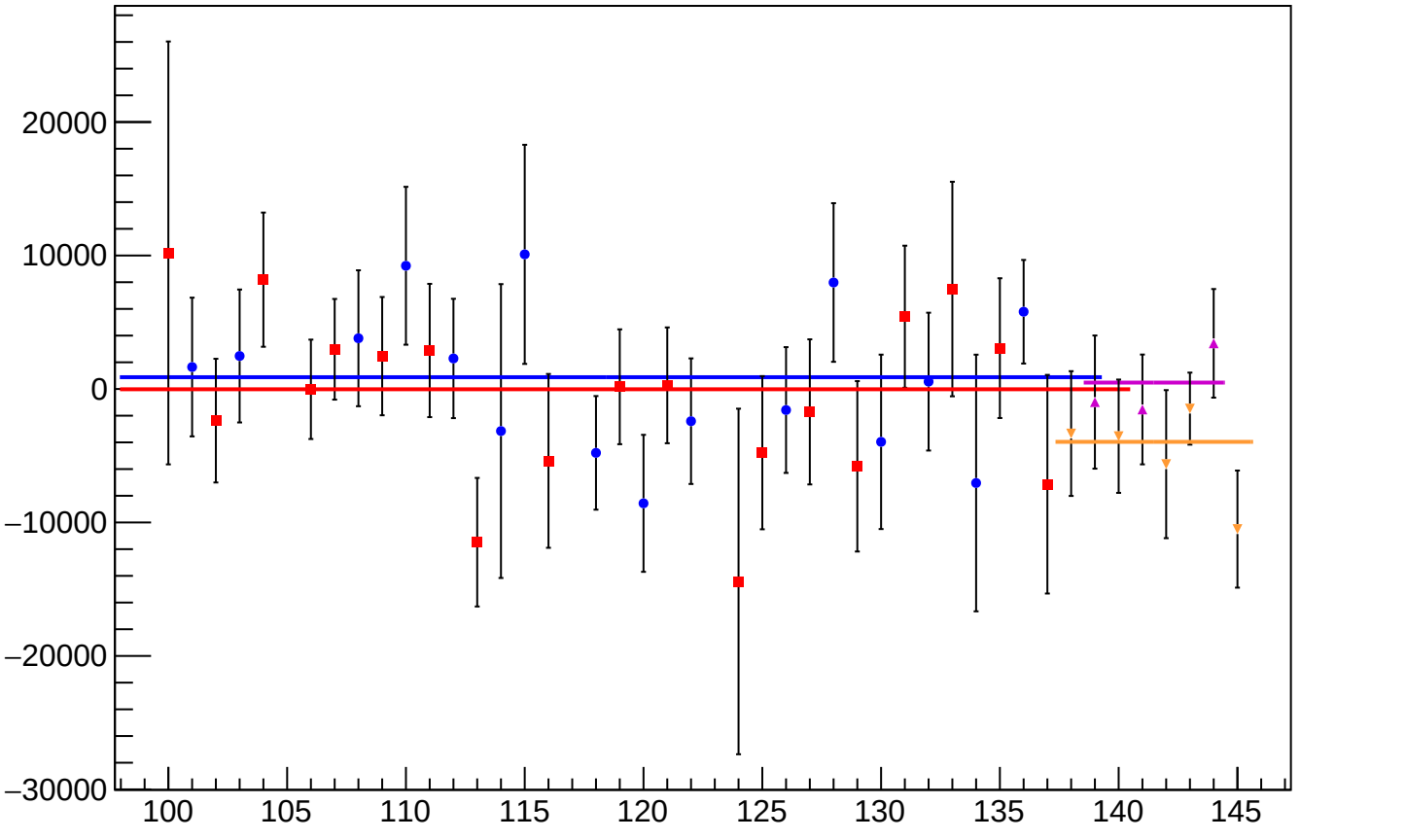
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1379.157+/-0.602 χ^2/NDF:5549.7/2

+ sign 1280.403+/-0.279 χ^2/NDF: 708317.2/20

All: 1297.832+/-0.204 χ^2/NDF: 949153.6/42

- sign 1317.766+/-0.298 χ^2/NDF: 232450.4/21



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3960.025+/-1758.981 χ^2/NDF:3.2/4

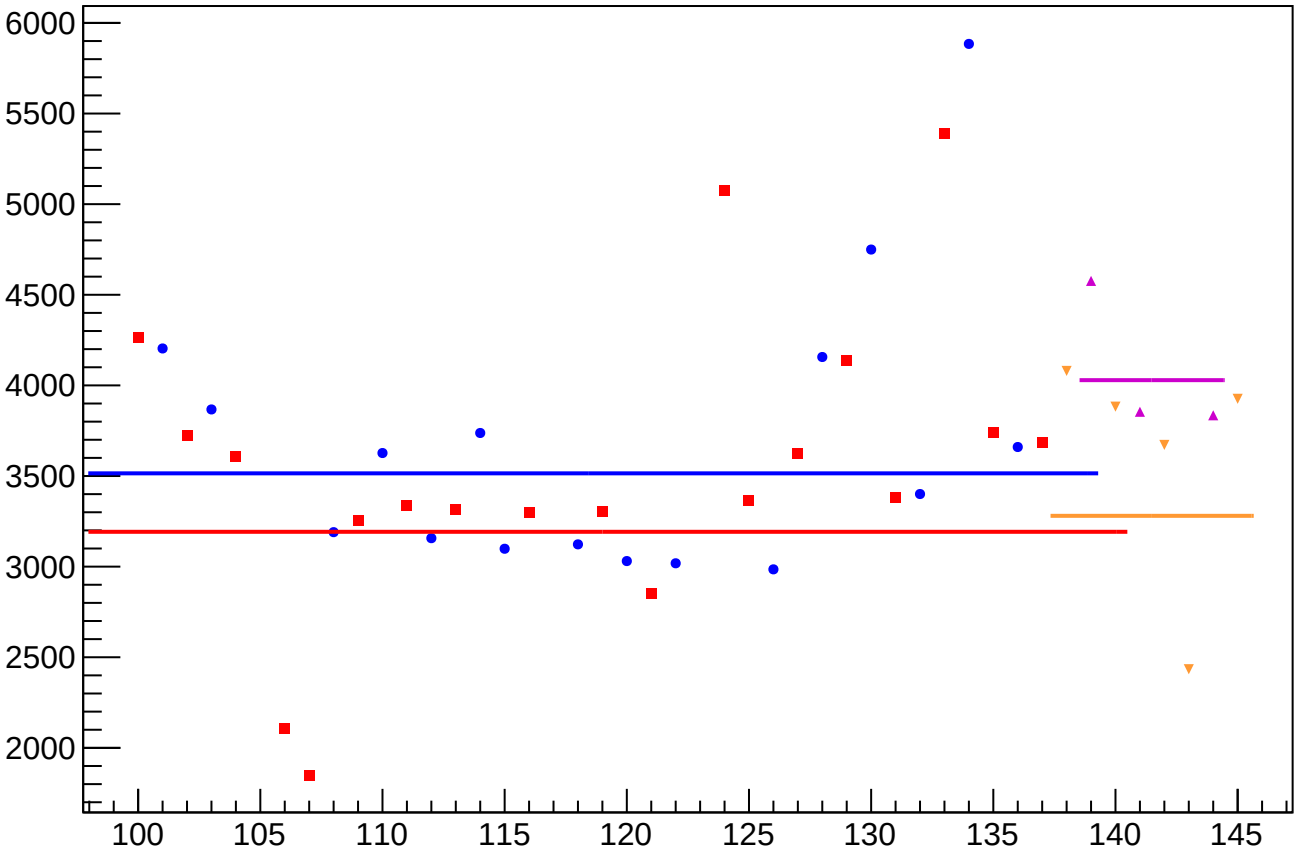
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 479.569+/-2502.436 χ^2/NDF:0.8/2

+ sign -873.606+/-1059.553 χ^2/NDF: 22.1/20

All: -410.312+/-757.040 χ^2/NDF: 40.2/42

- sign 72.850+/-1082.034 χ^2/NDF: 17.7/21



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

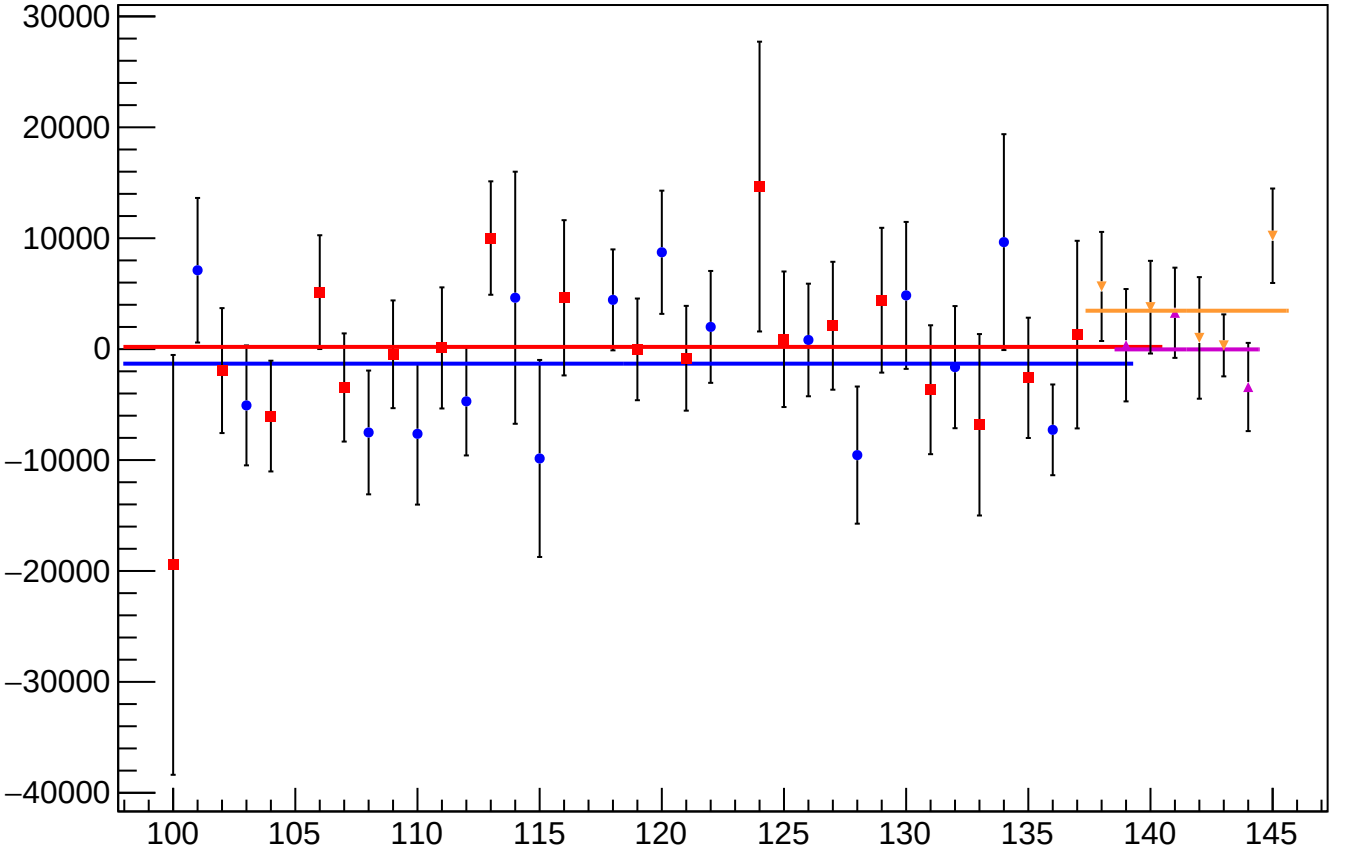
Left In: 4028.906+/-1.769 χ^2/NDF:32241.7/2

+ sign 3429.685+/-0.749 χ^2/NDF: 746722.0/20

All: 3390.008+/-0.535 χ^2/NDF: 1738978.6/42

- sign 3348.629+/-0.765 χ^2/NDF: 986527.3/21

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

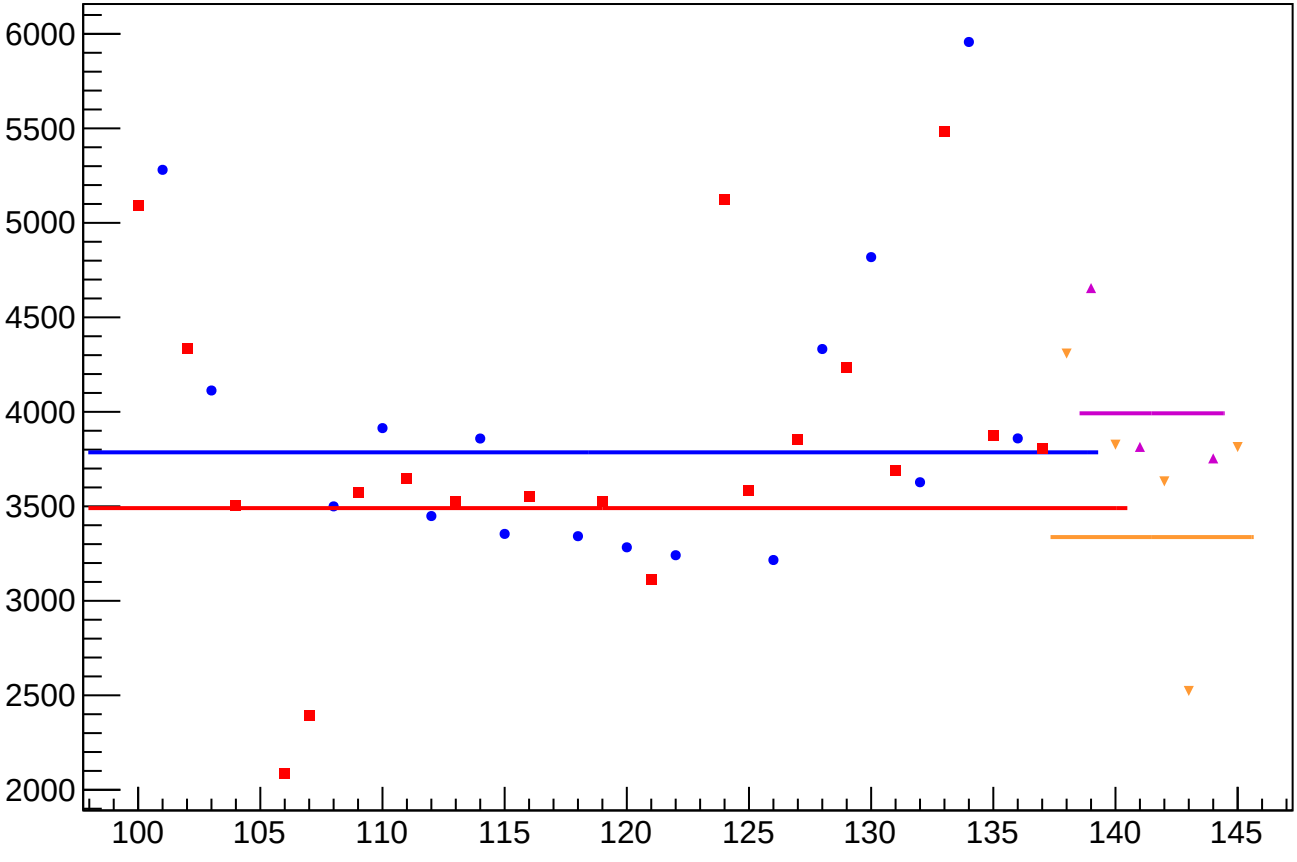
Left In: -22.793+/-2479.396 χ^2/NDF:1.4/2

+ sign 563.514+/-1115.970 χ^2/NDF: 26.1/20

All: 368.130+/-809.554 χ^2/NDF: 39.2/42

- sign 151.099+/-1176.166 χ^2/NDF: 13.0/21

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

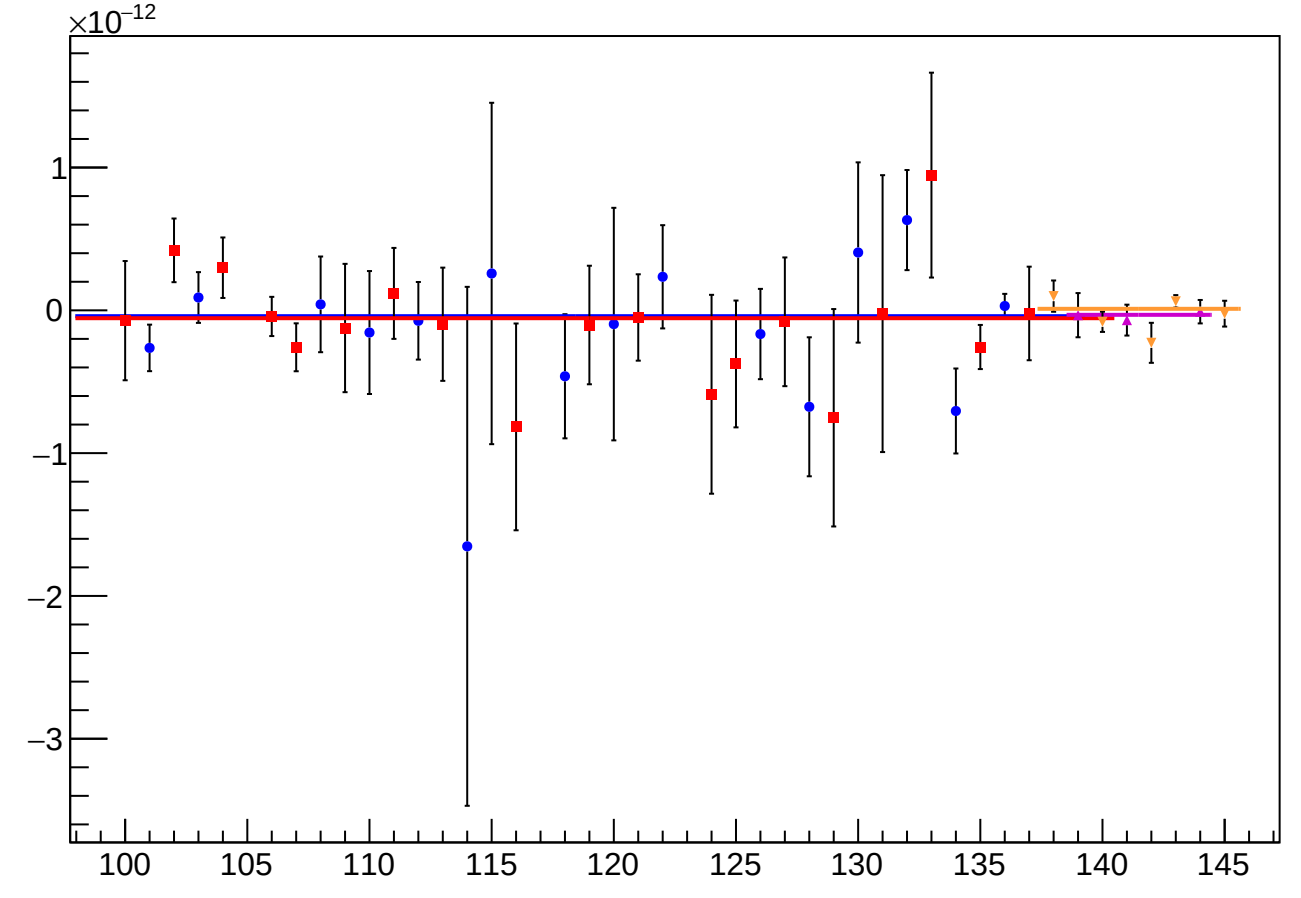
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3992.262+/-1.753 χ^2/NDF:45251.6/2

+ sign 3609.832+/-0.789 χ^2/NDF: 765893.5/20

All: 3605.657+/-0.570 χ^2/NDF: 1461756.2/42

- sign 3601.117+/-0.823 χ^2/NDF: 695804.3/21



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

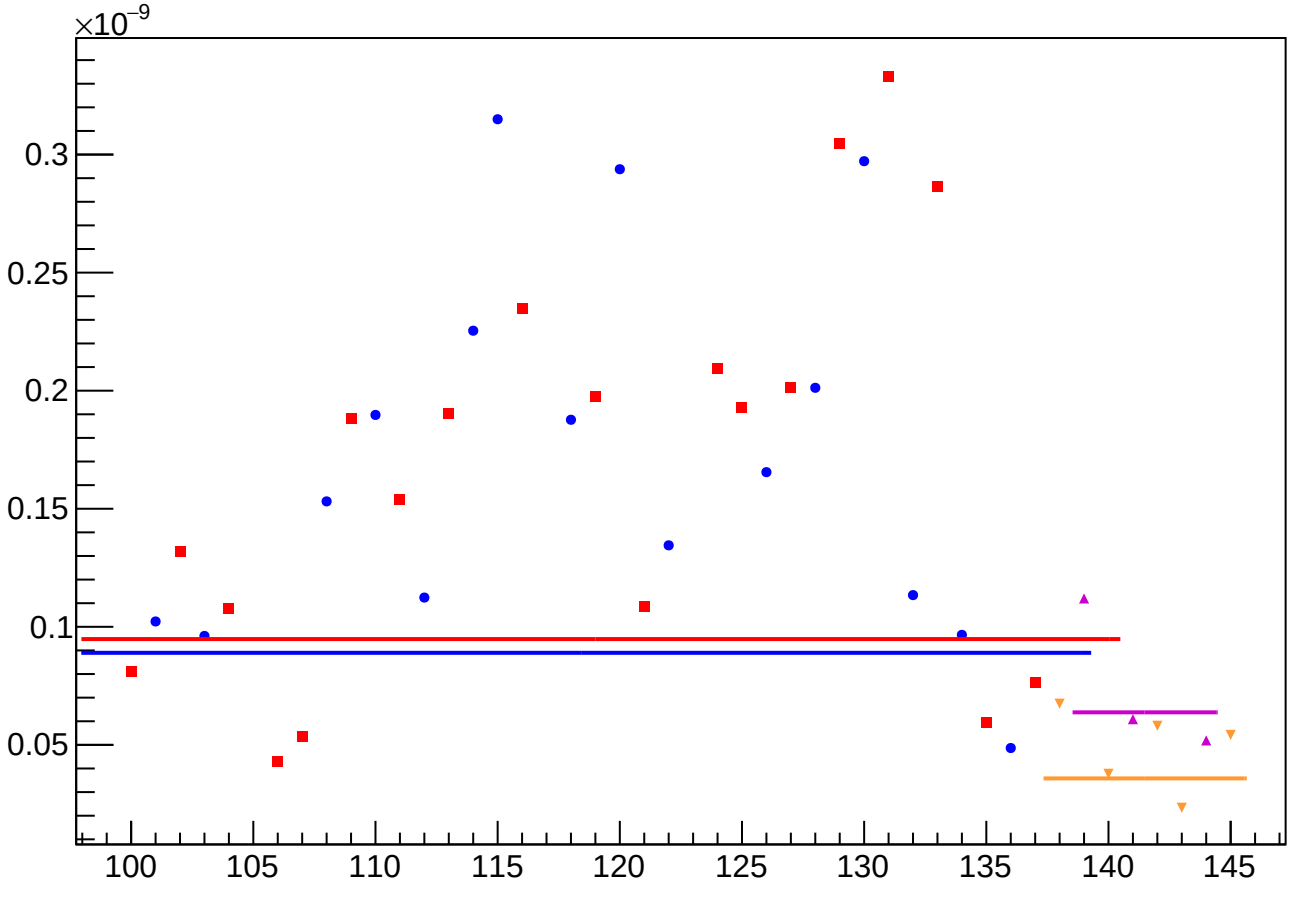
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/20

All: -0.000+/-0.000 χ^2/NDF: 40.7/42

- sign -0.000+/-0.000 χ^2/NDF: 16.1/21



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

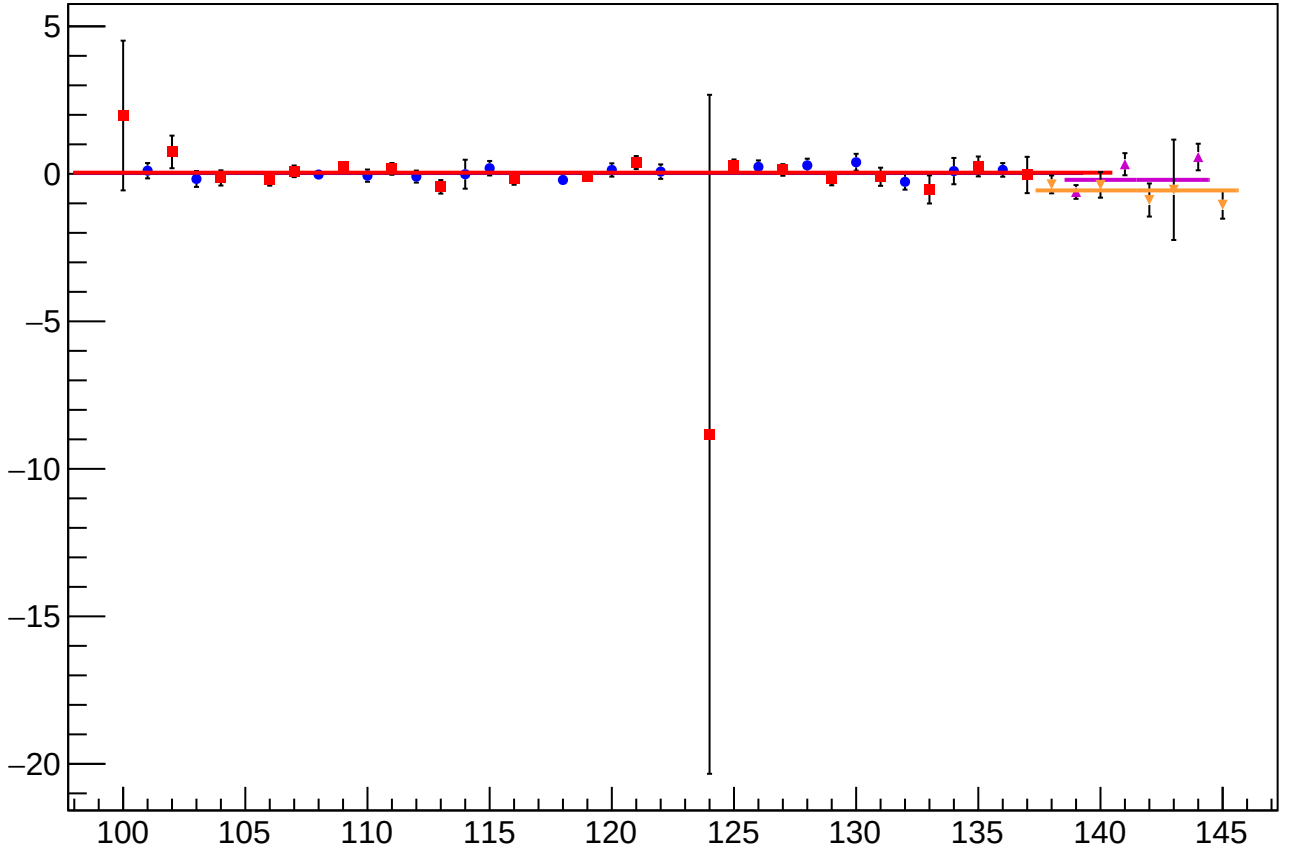
Left In: 0.000+/-0.000 χ^2/NDF:237675.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 3178360.2/20

All: 0.000+/-0.000 χ^2/NDF: 6082868.6/42

- sign 0.000+/-0.000 χ^2/NDF: 2221738.8/21

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

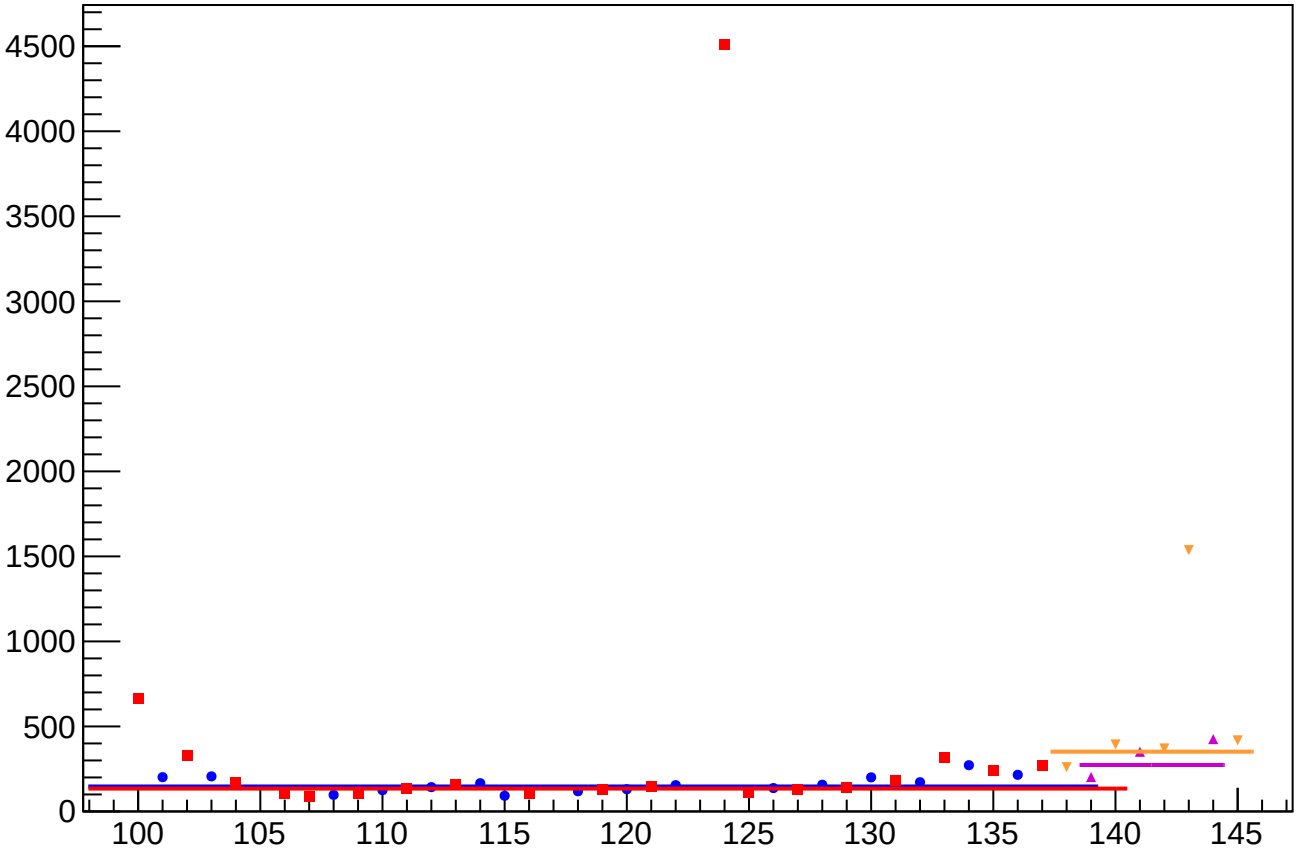
Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21

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

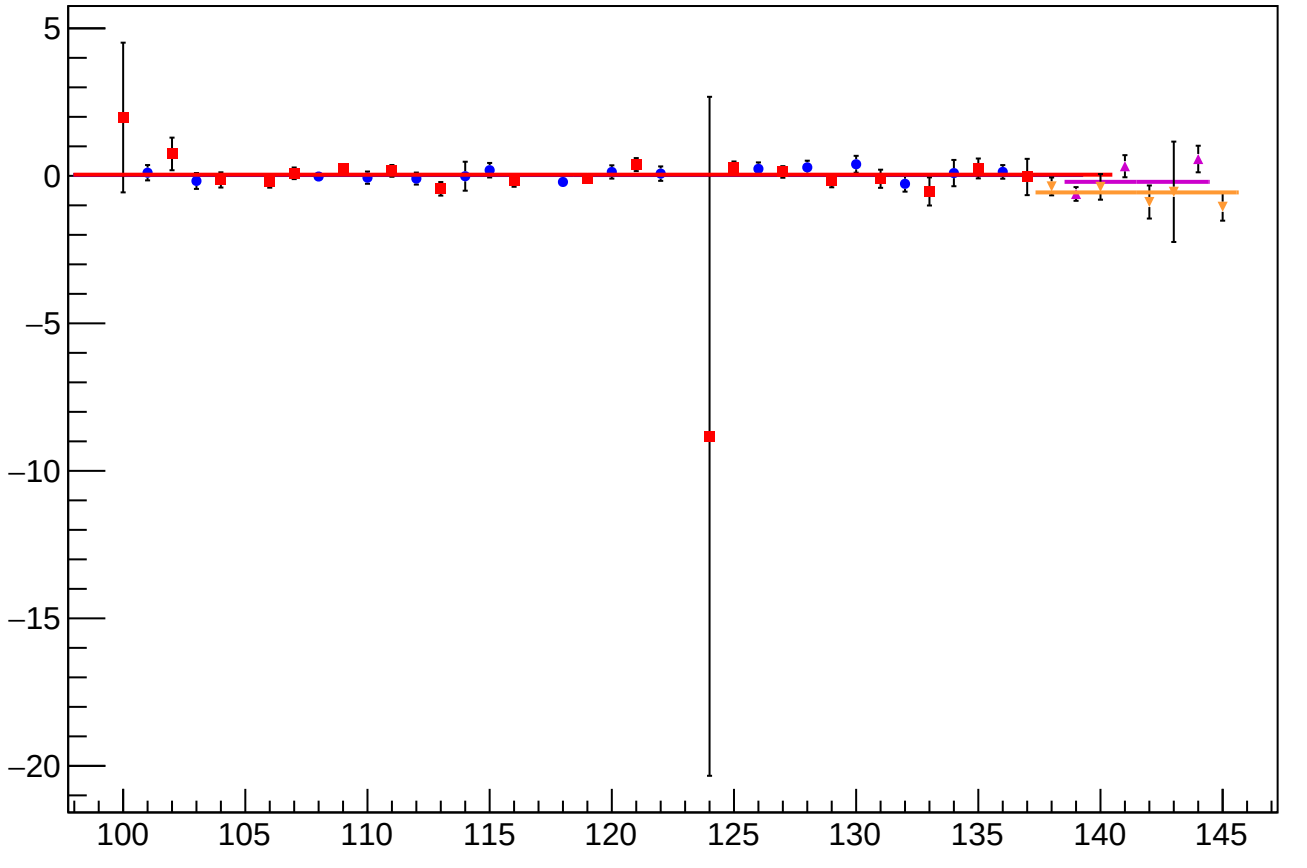
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 153.680+/-0.027 χ^2/NDF: 7363090.3/42

- sign 146.137+/-0.037 χ^2/NDF: 3180990.3/21



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

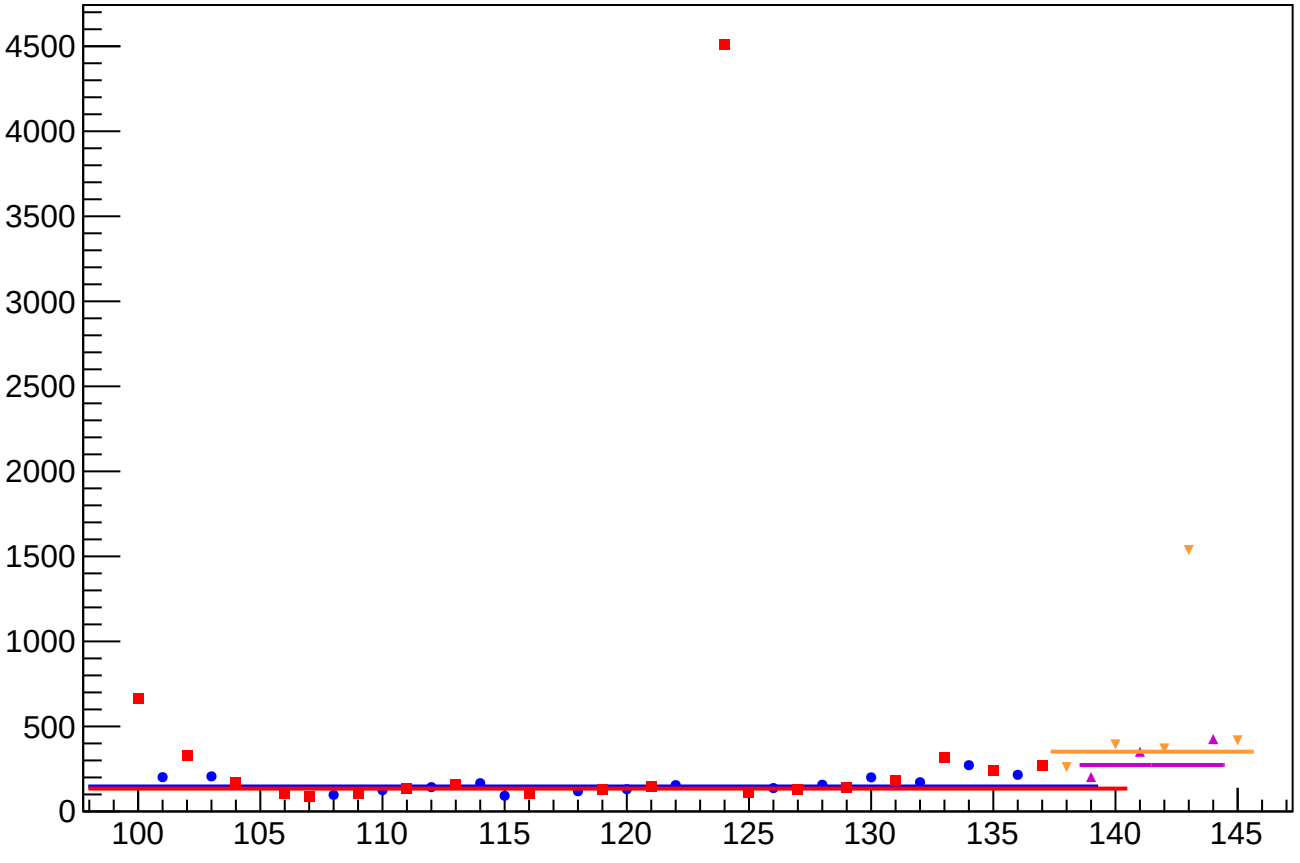
Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21

asym_atl_dd_atr_dd_avg_dit_vs_eigen_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

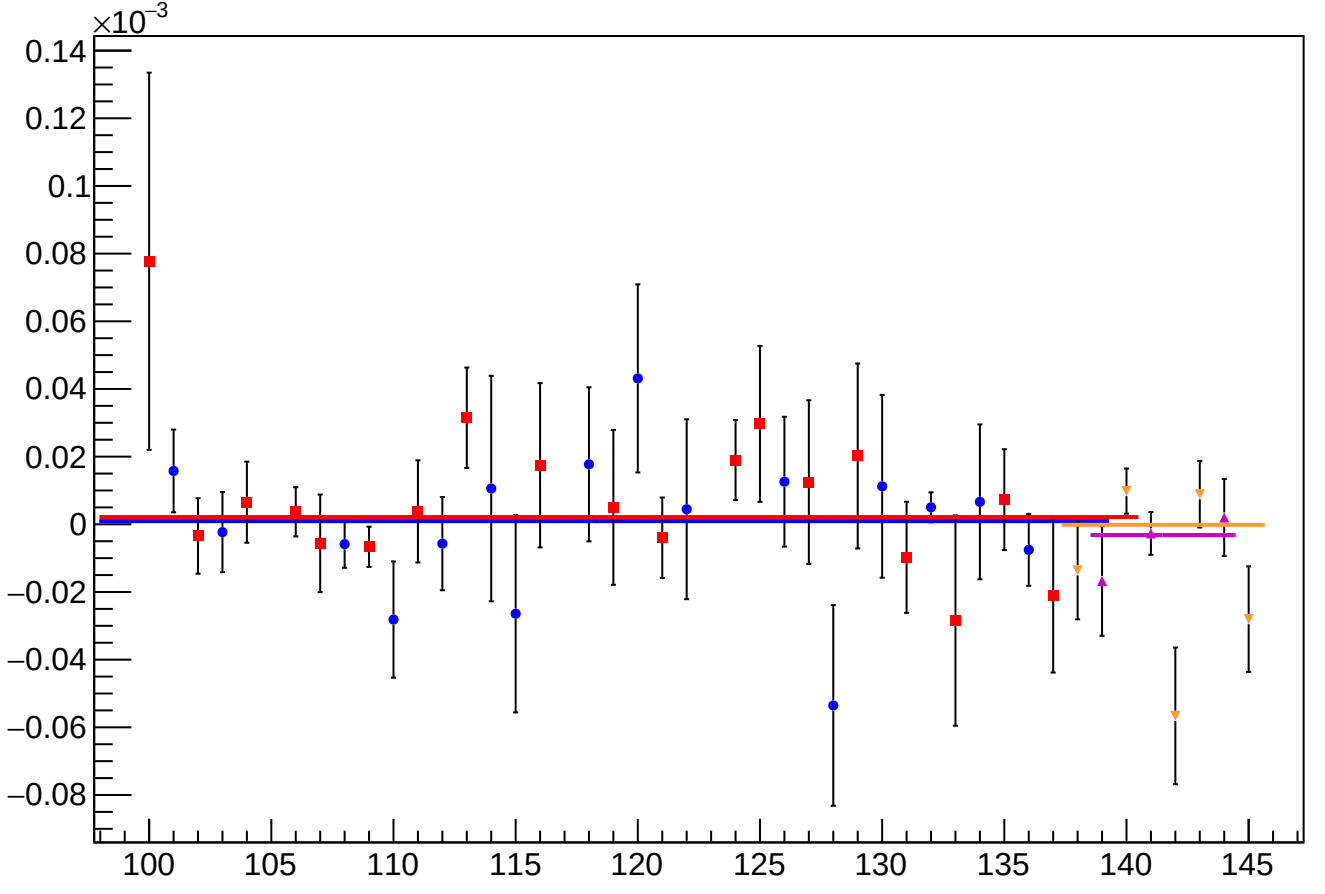
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 153.680+/-0.027 χ^2/NDF: 7363090.3/42

- sign 146.137+/-0.037 χ^2/NDF: 3180990.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/4

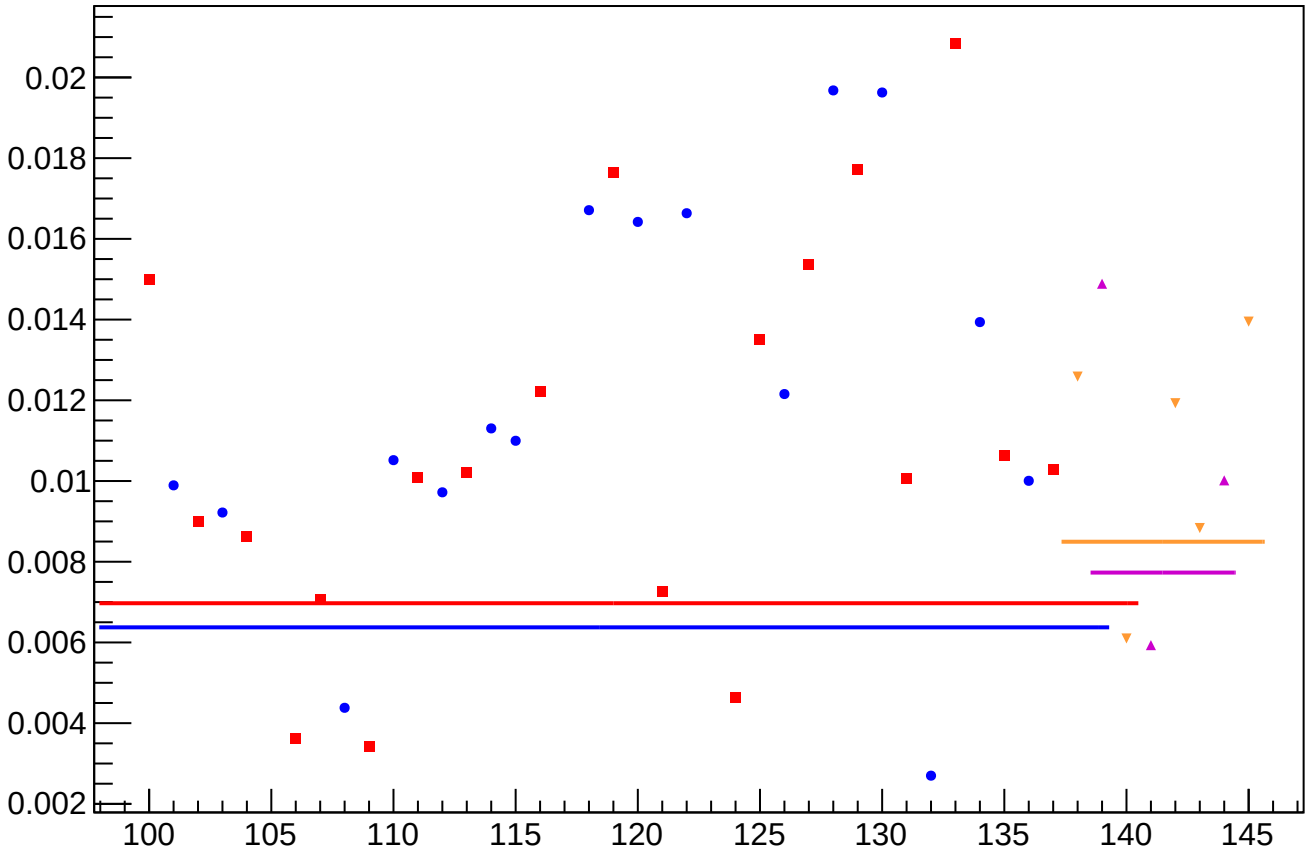
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/20

All: 0.000+/-0.000 χ^2/NDF: 47.6/42

- sign 0.000+/-0.000 χ^2/NDF: 17.7/21



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:723659.6/4

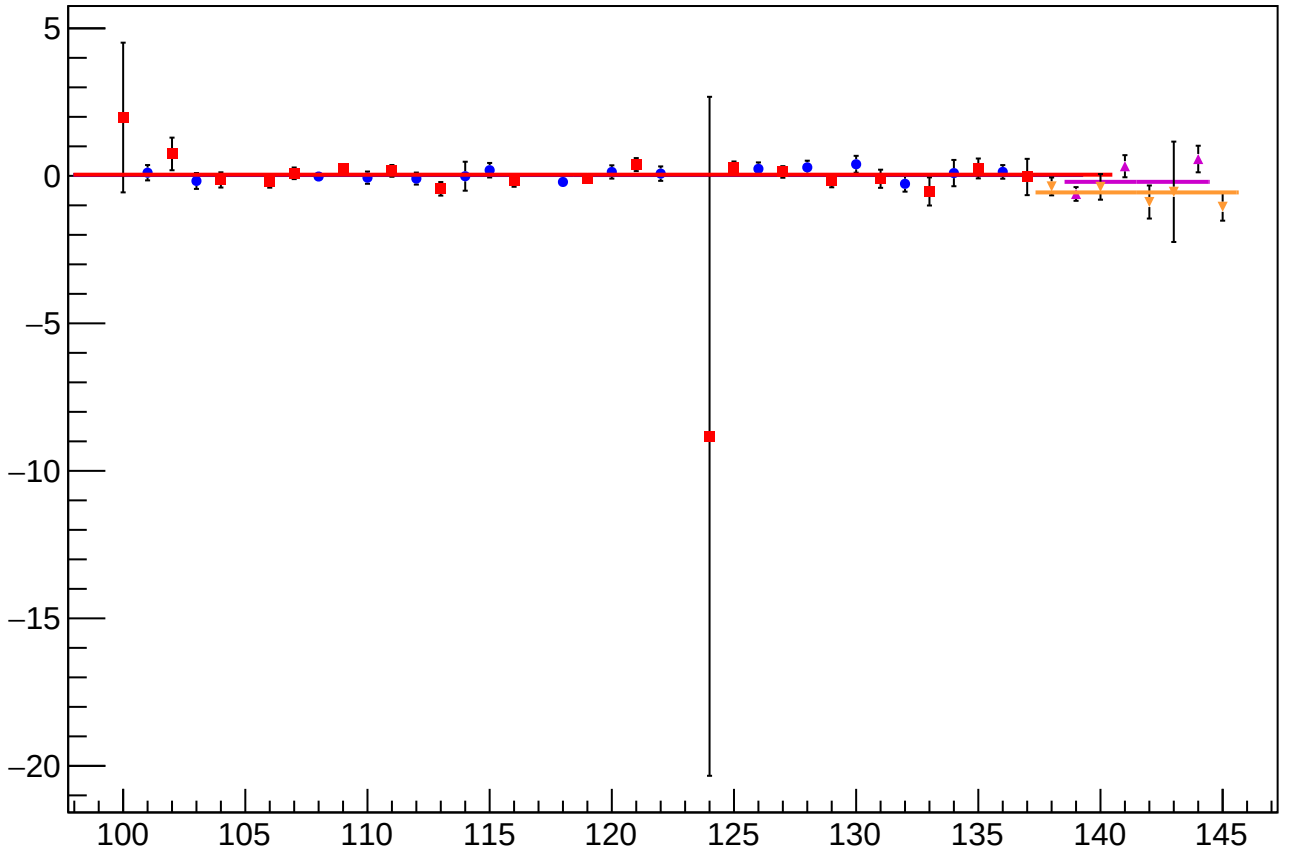
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.008+/-0.000 χ^2/NDF:632815.0/2

+ sign 0.007+/-0.000 χ^2/NDF: 5652236.3/20

All: 0.007+/-0.000 χ^2/NDF: 9732991.6/42

- sign 0.007+/-0.000 χ^2/NDF: 4074398.1/21



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

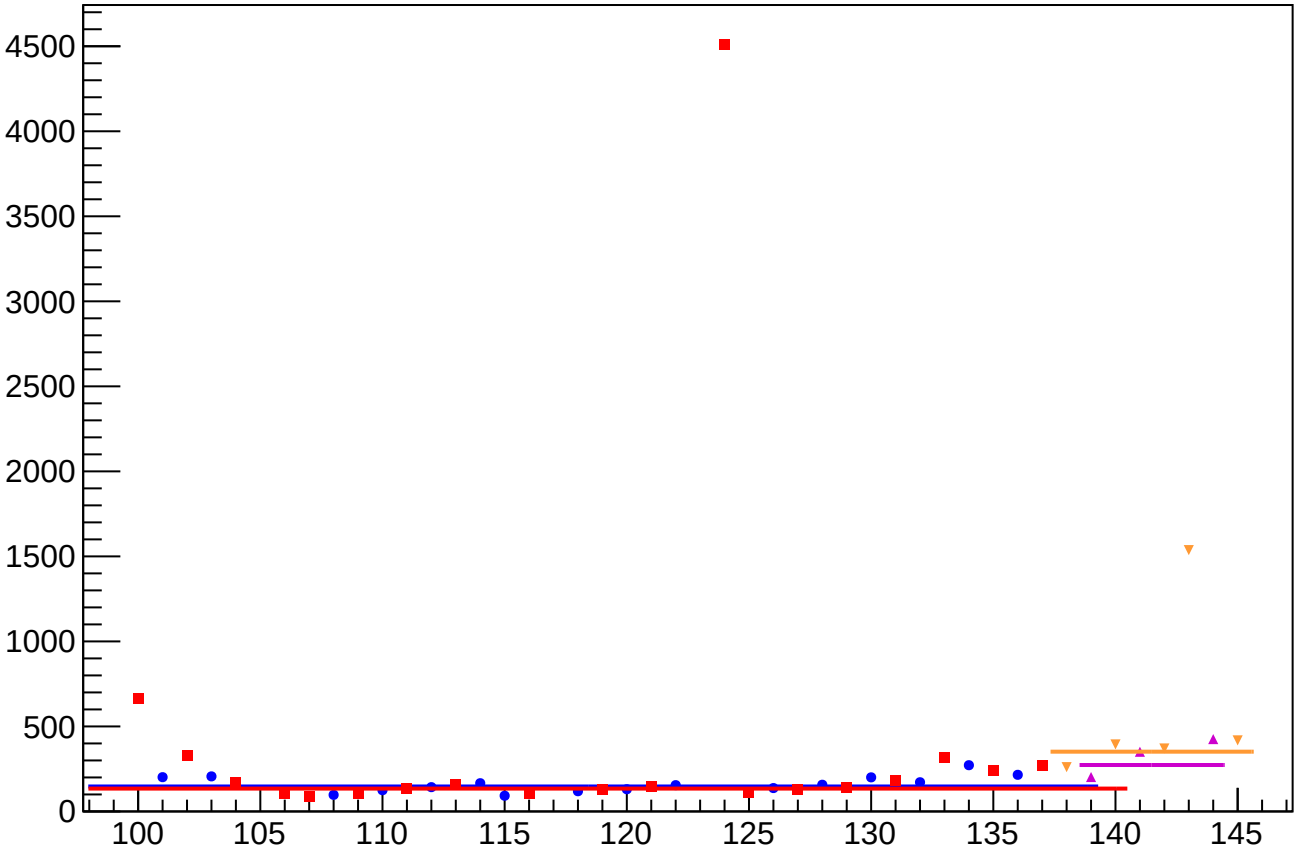
Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

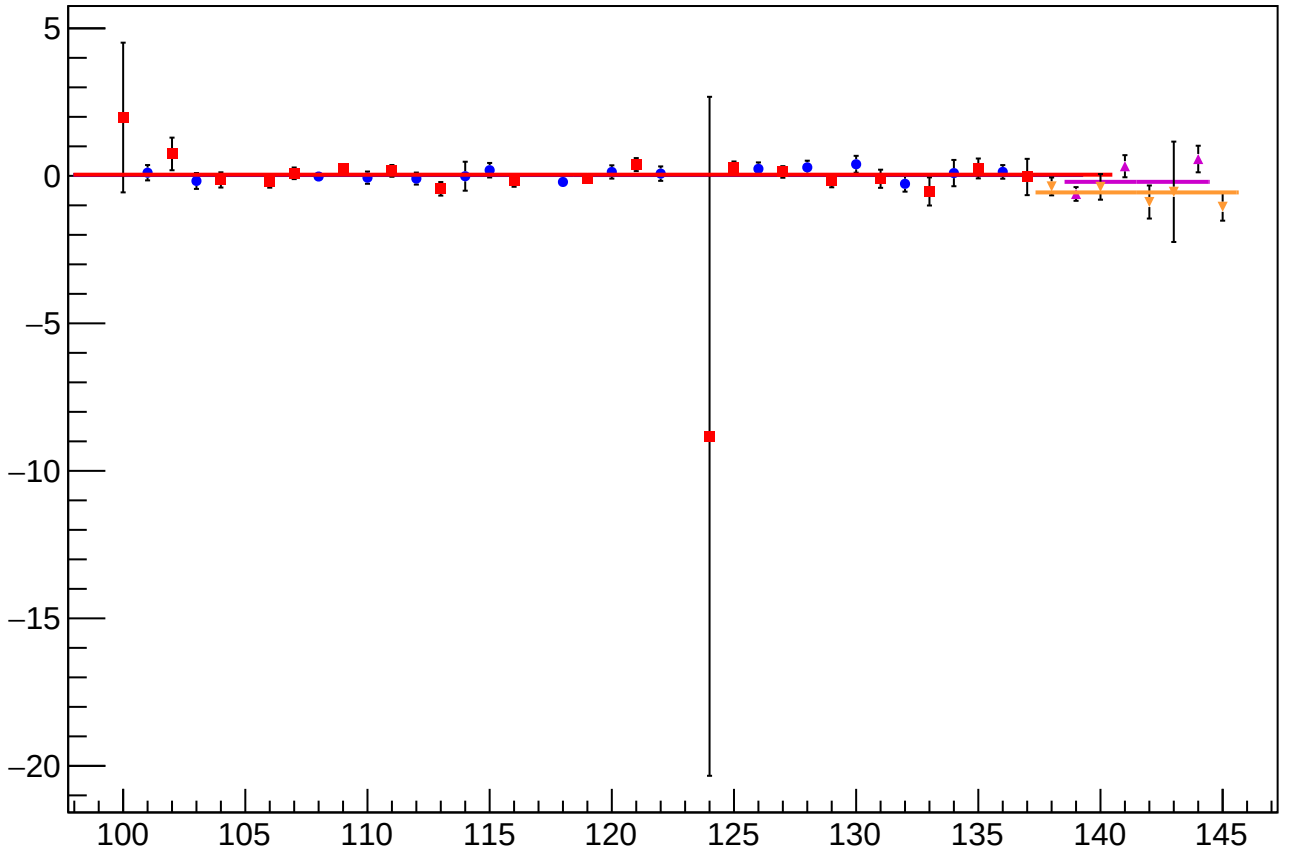
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 153.681+/-0.027 χ^2/NDF: 7362984.1/42

- sign 146.138+/-0.037 χ^2/NDF: 3180922.1/21



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

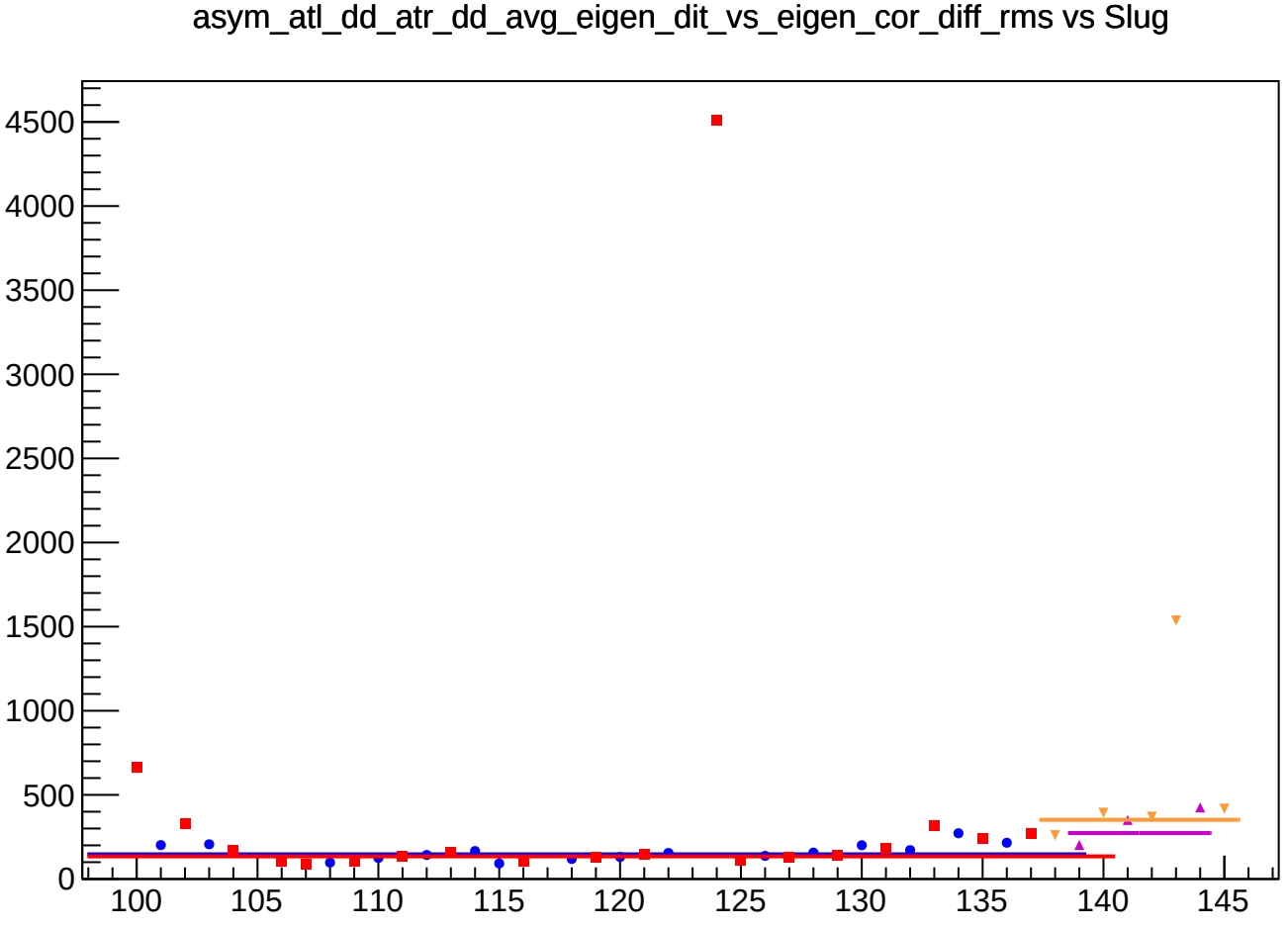
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

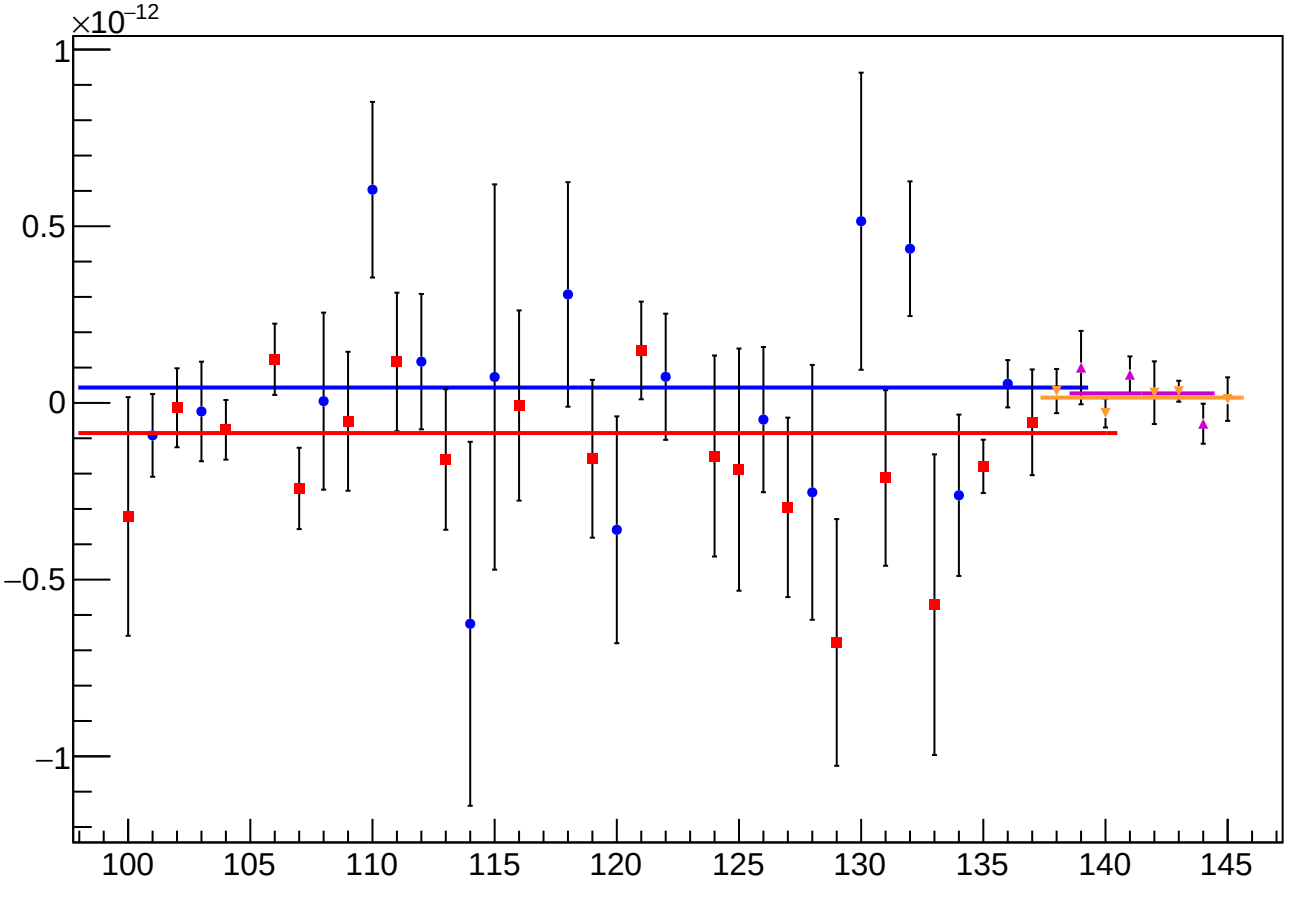
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 153.681+/-0.027 χ^2/NDF: 7362984.1/42

- sign 146.138+/-0.037 χ^2/NDF: 3180922.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

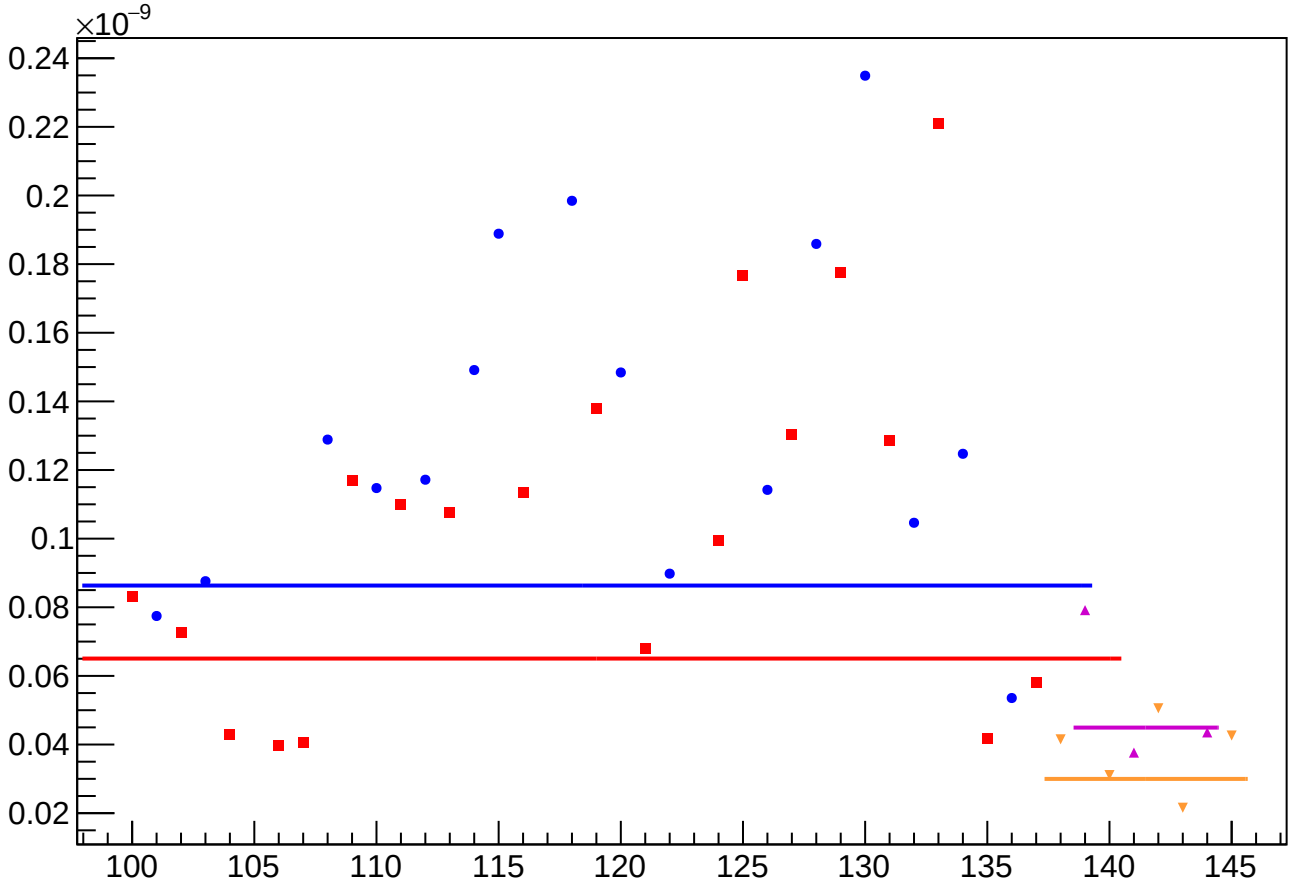
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/20

All: 0.000+/-0.000 χ^2/NDF: 51.0/42

- sign -0.000+/-0.000 χ^2/NDF: 27.2/21



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

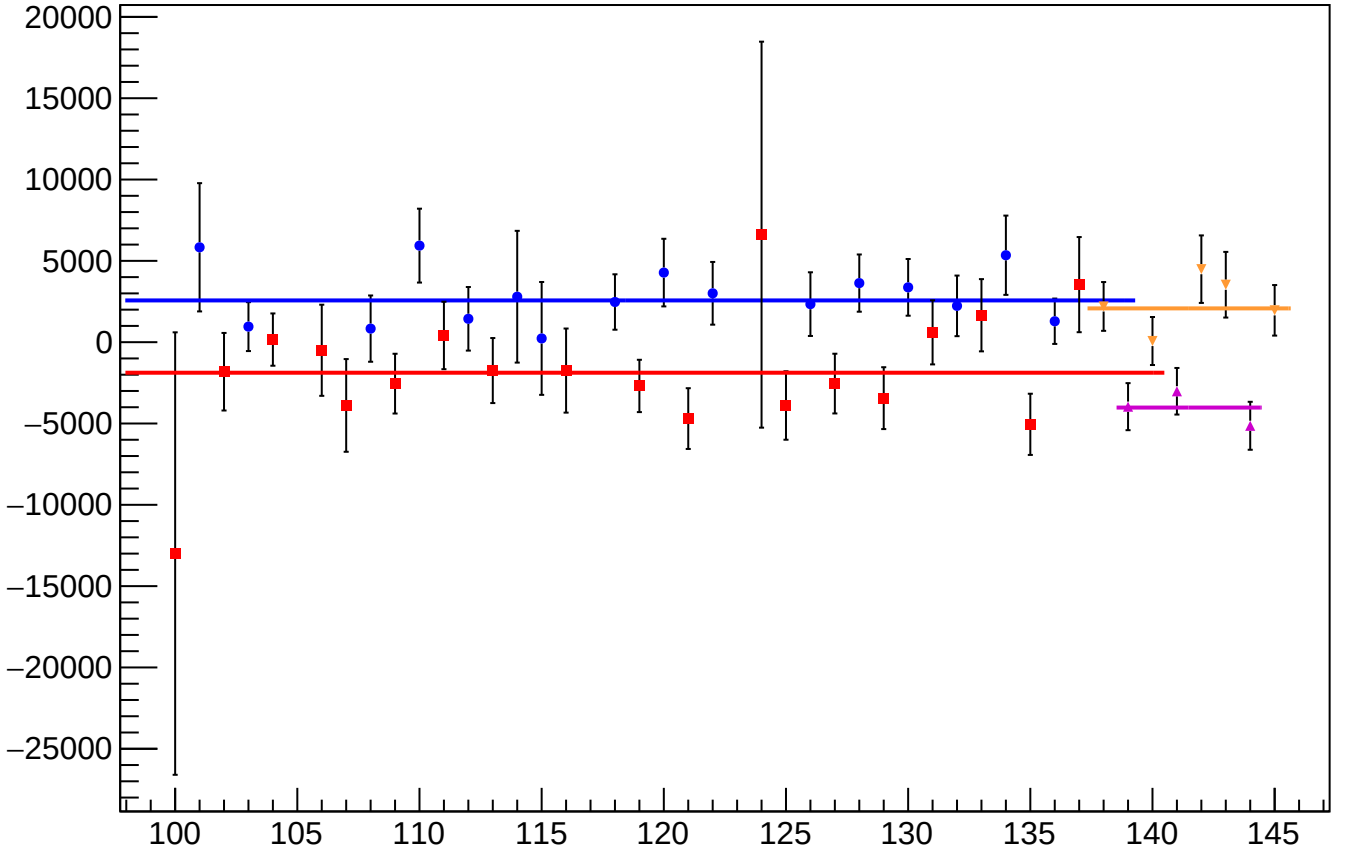
Left In: 0.000+/-0.000 χ^2/NDF:258662.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 4814445.4/20

All: 0.000+/-0.000 χ^2/NDF: 8029172.8/42

- sign 0.000+/-0.000 χ^2/NDF: 2747528.0/21

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

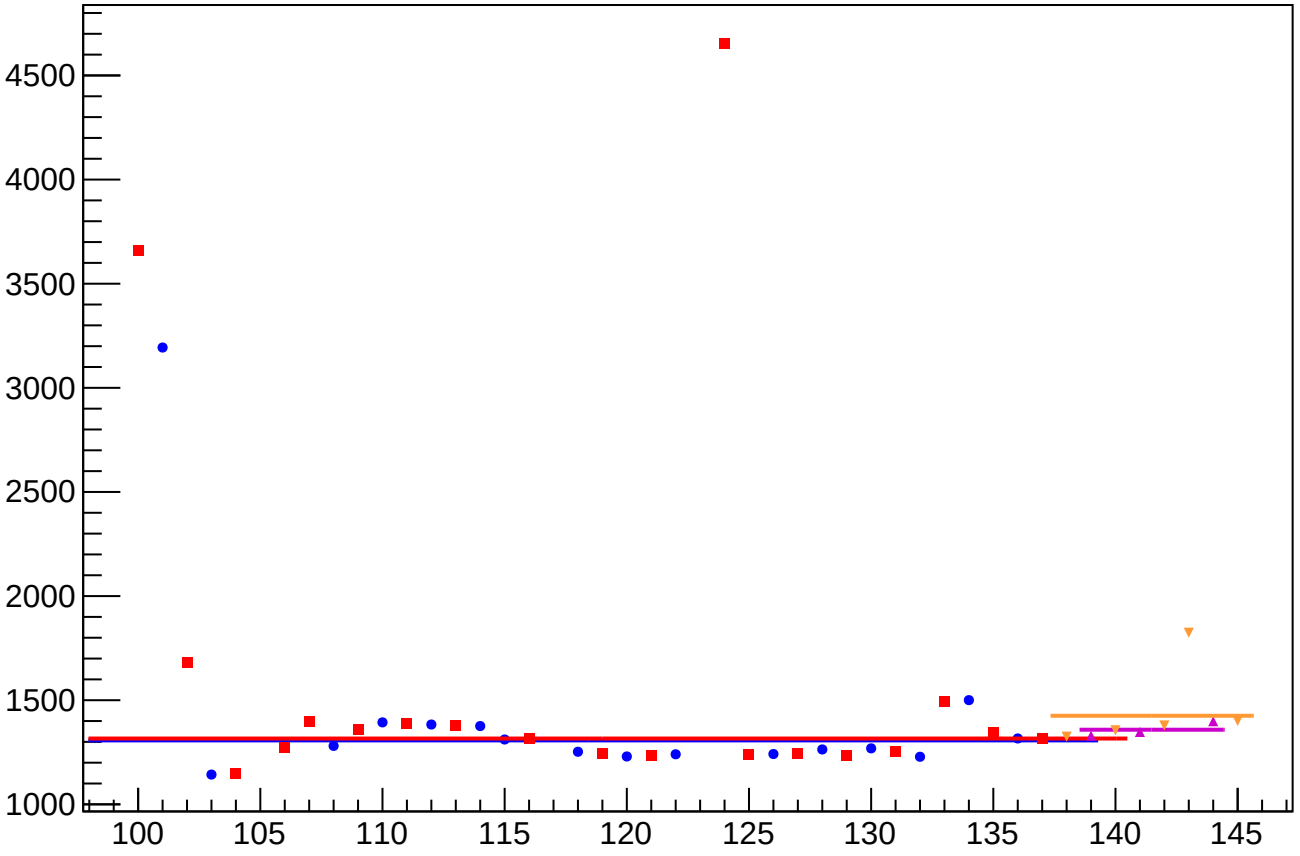
Left In: -4020.475+/-837.642 χ^2/NDF:1.1/2

+ sign 2417.670+/-412.739 χ^2/NDF: 13.1/20

All: 69.294+/-296.419 χ^2/NDF: 105.4/42

- sign -2432.090+/-425.973 χ^2/NDF: 25.5/21

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

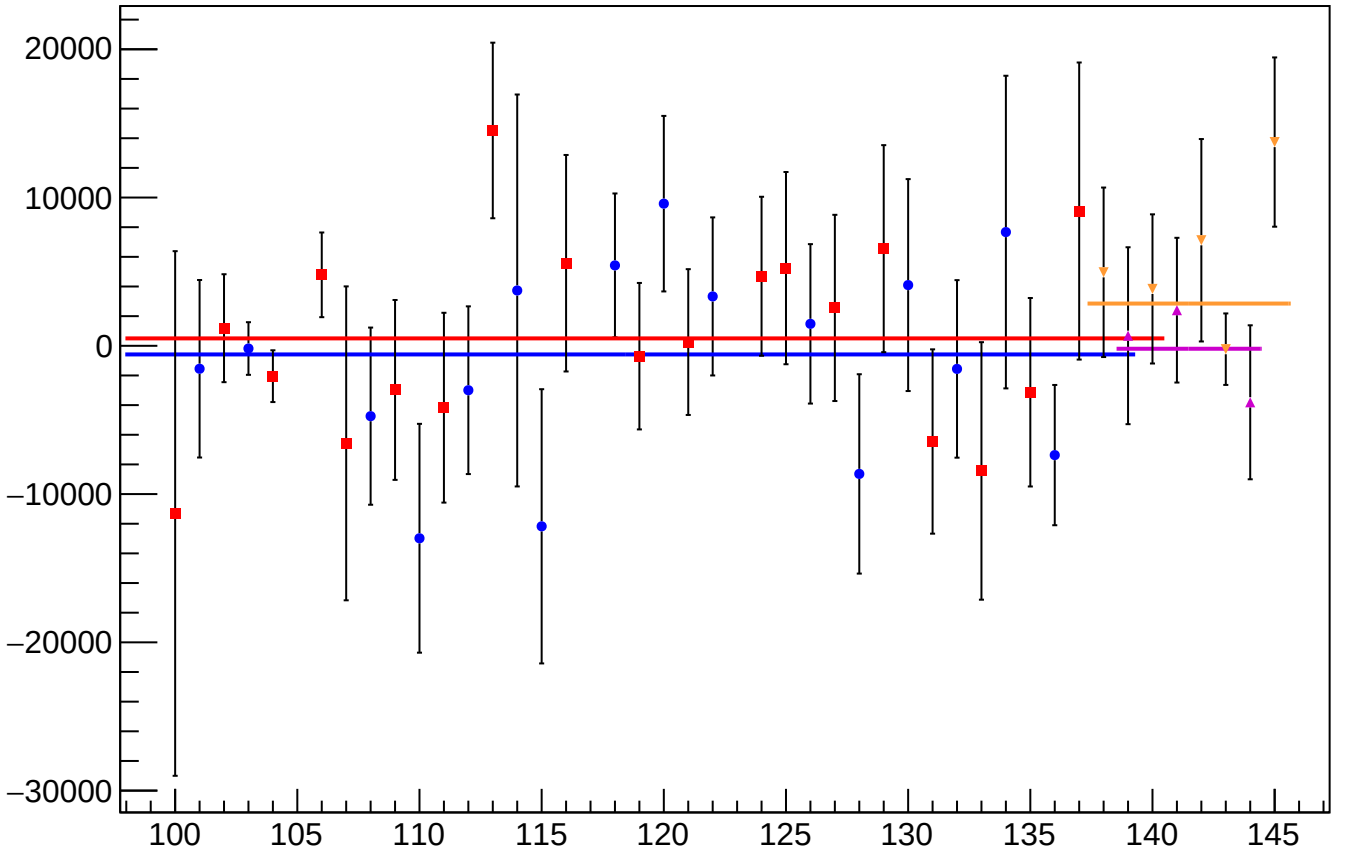
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1358.287+/-0.592 χ^2/NDF:2407.0/2

+ sign 1343.232+/-0.292 χ^2/NDF: 644063.8/20

All: 1335.303+/-0.209 χ^2/NDF: 978196.5/42

- sign 1326.891+/-0.301 χ^2/NDF: 332611.5/21



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 2849.635+/-1843.171 χ^2/NDF:5.8/4

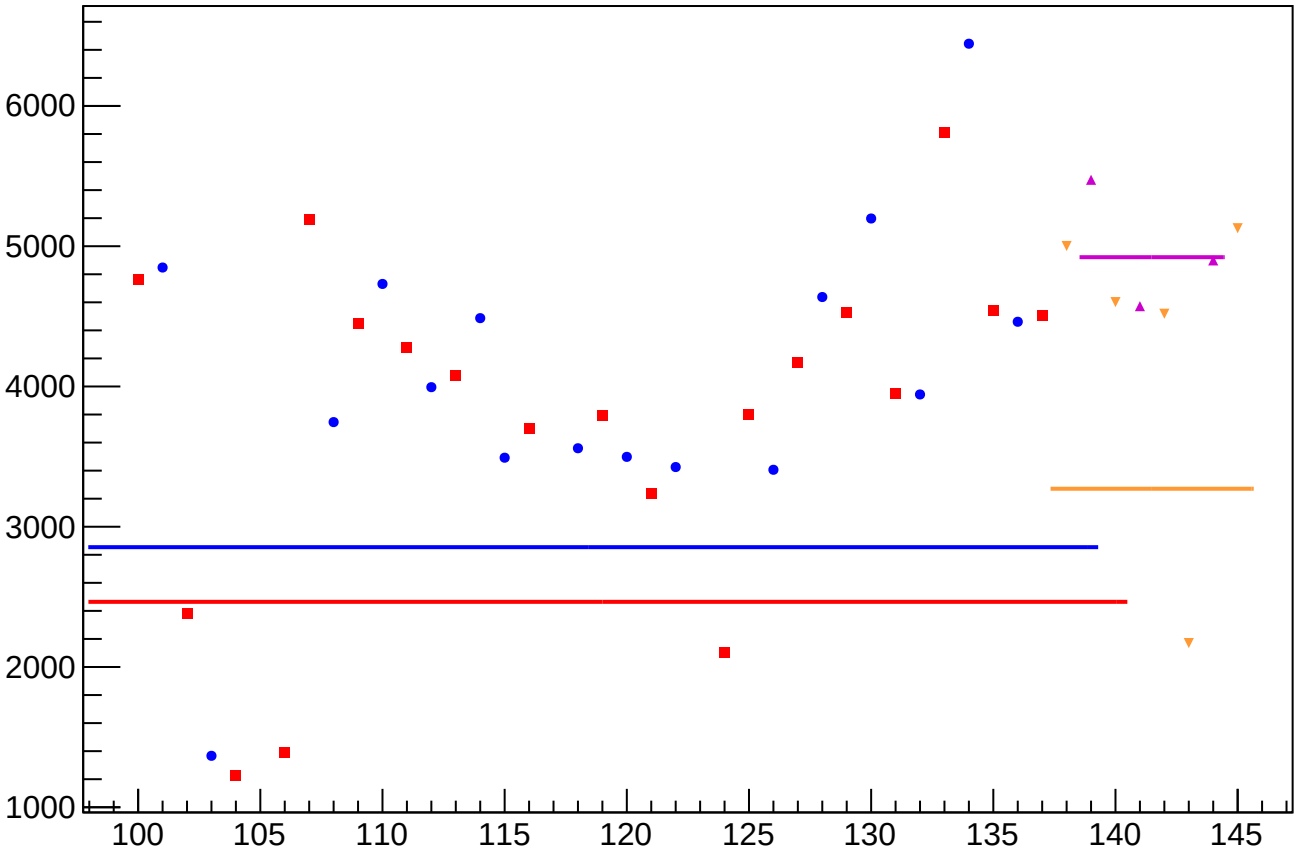
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -198.303+/-3054.906 χ^2/NDF:0.8/2

+ sign 431.164+/-1001.436 χ^2/NDF: 23.0/20

All: 428.384+/-706.753 χ^2/NDF: 41.6/42

- sign 425.625+/-997.575 χ^2/NDF: 18.5/21



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

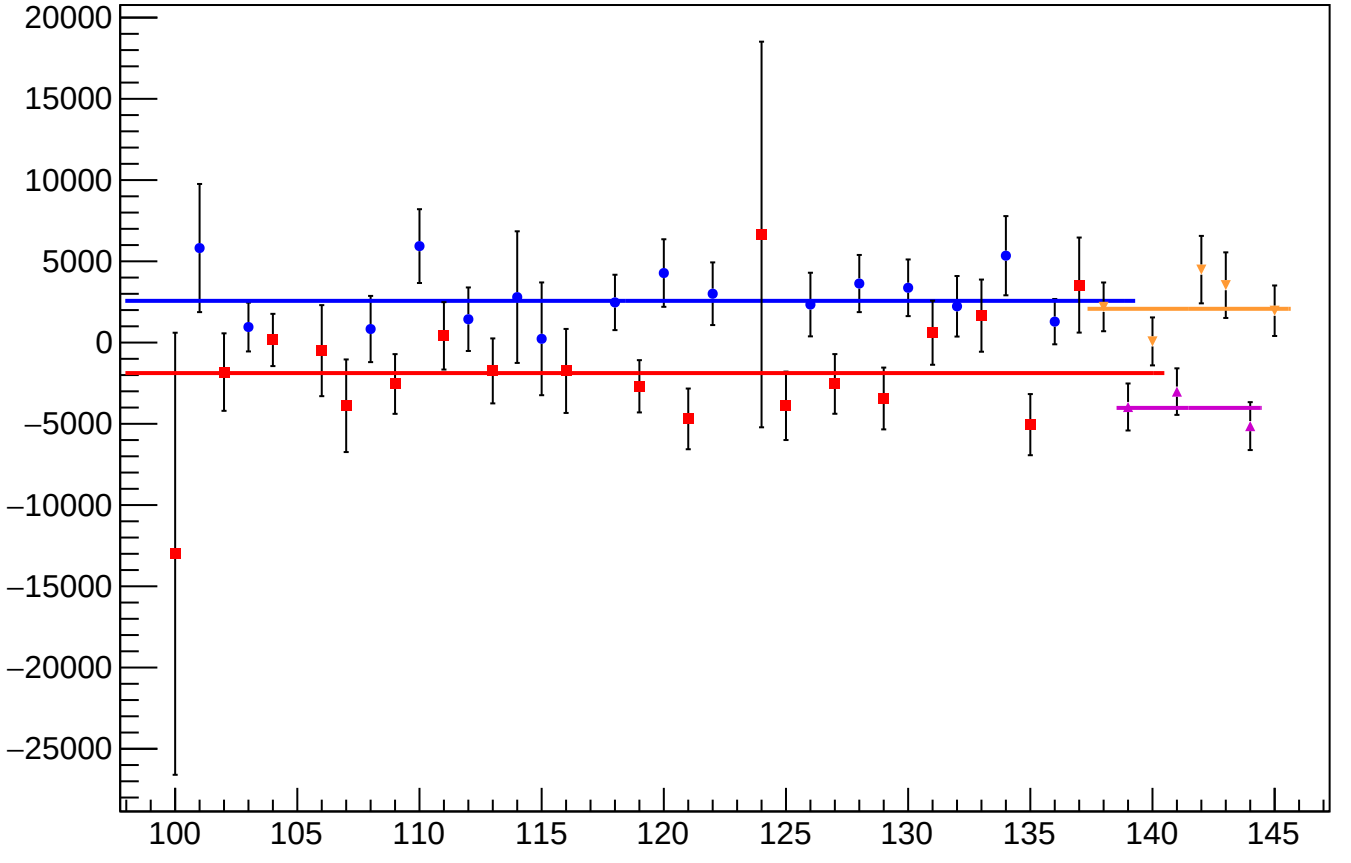
Left In: 4921.786+/-2.160 χ^2/NDF:27390.1/2

+ sign 2977.297+/-0.708 χ^2/NDF: 3995364.2/20

All: 2851.471+/-0.500 χ^2/NDF: 8597564.7/42

- sign 2726.613+/-0.705 χ^2/NDF: 4539296.0/21

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

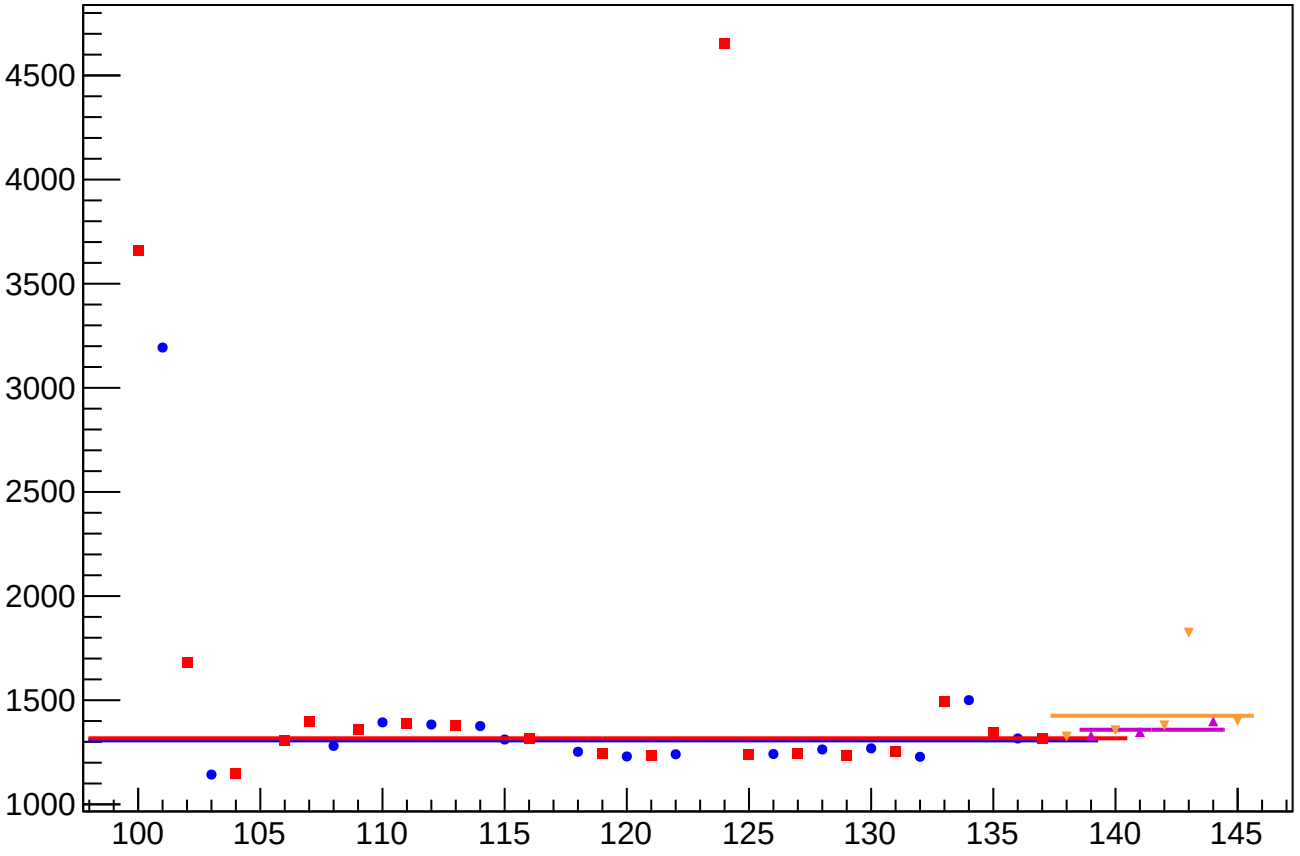
Left In: -4020.746+/-837.642 χ^2/NDF:1.1/2

+ sign 2417.521+/-412.739 χ^2/NDF: 13.1/20

All: 69.276+/-296.419 χ^2/NDF: 105.4/42

- sign -2431.970+/-425.973 χ^2/NDF: 25.5/21

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

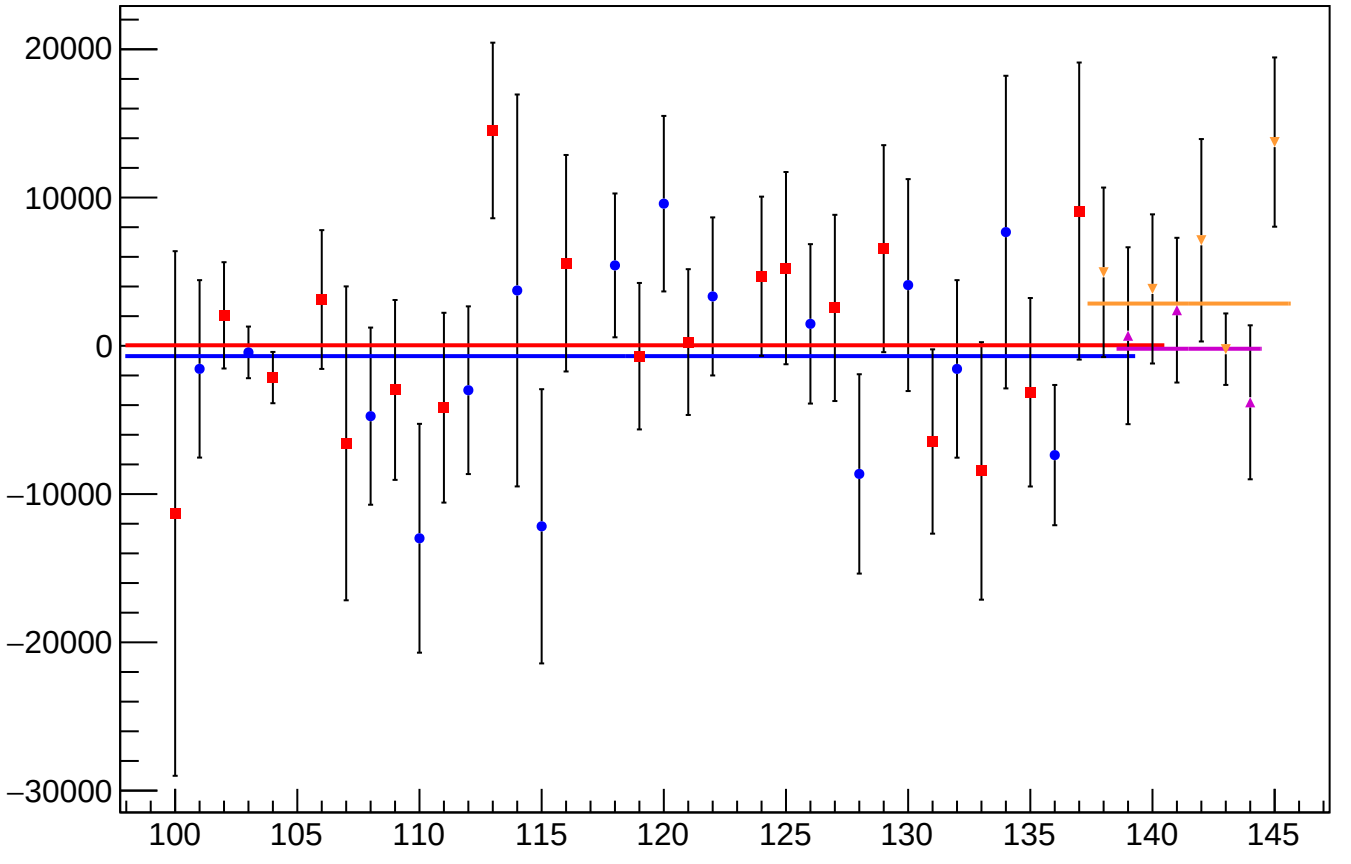
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1358.287+/-0.592 χ^2/NDF:2407.0/2

+ sign 1343.232+/-0.292 χ^2/NDF: 644065.4/20

All: 1335.721+/-0.209 χ^2/NDF: 977348.9/42

- sign 1327.742+/-0.301 χ^2/NDF: 331917.4/21



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 2849.684+/-1843.155 χ^2/NDF:5.8/4

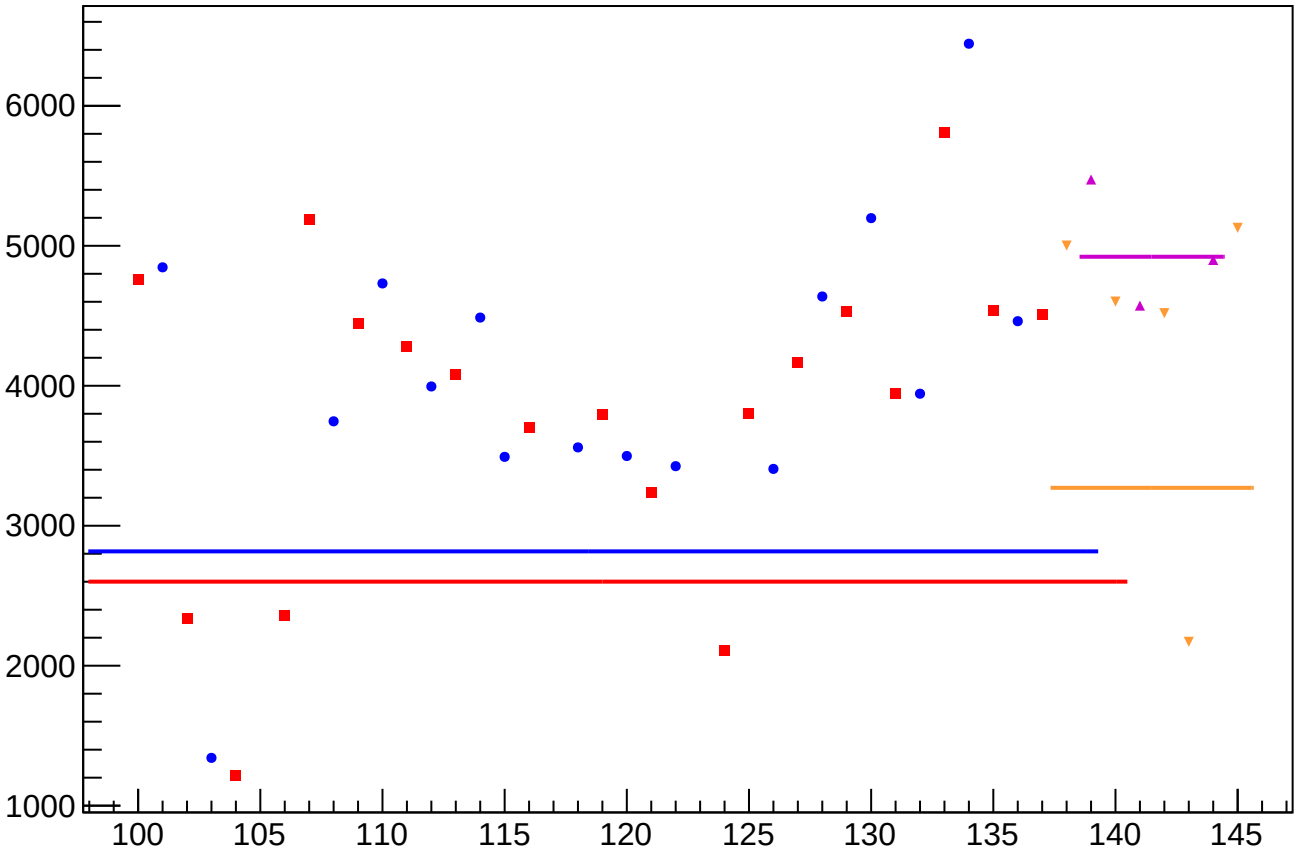
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -198.363+/-3054.906 χ^2/NDF:0.8/2

+ sign 338.319+/-995.239 χ^2/NDF: 23.1/20

All: 179.996+/-716.871 χ^2/NDF: 39.9/42

- sign 9.280+/-1033.457 χ^2/NDF: 16.7/21



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3270.924+/-1.303 χ^2/NDF:1018537.4/4

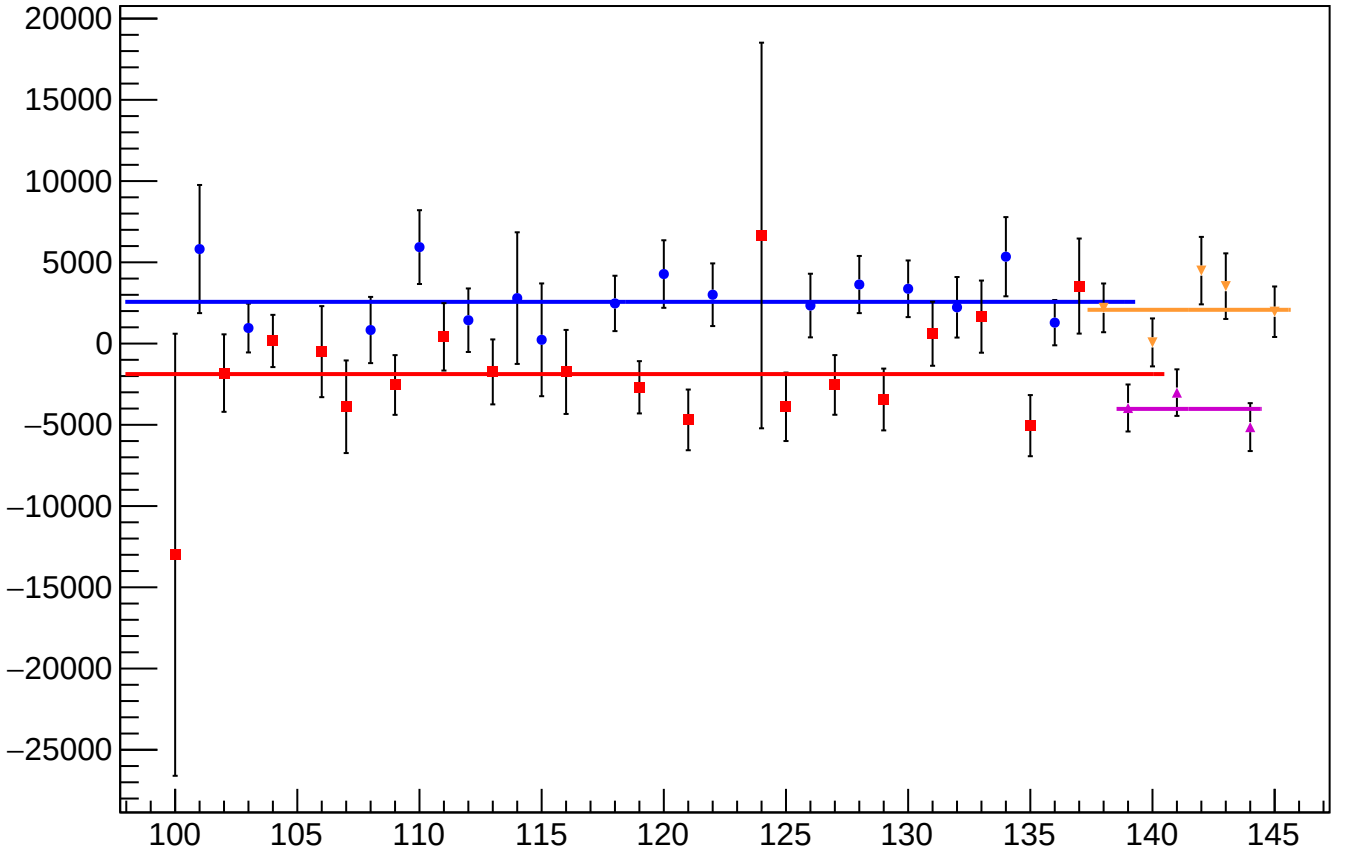
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4921.785+/-2.160 χ^2/NDF:27390.9/2

+ sign 2949.194+/-0.704 χ^2/NDF: 4112125.3/20

All: 2909.248+/-0.507 χ^2/NDF: 8249567.2/42

- sign 2866.176+/-0.731 χ^2/NDF: 4130745.9/21



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

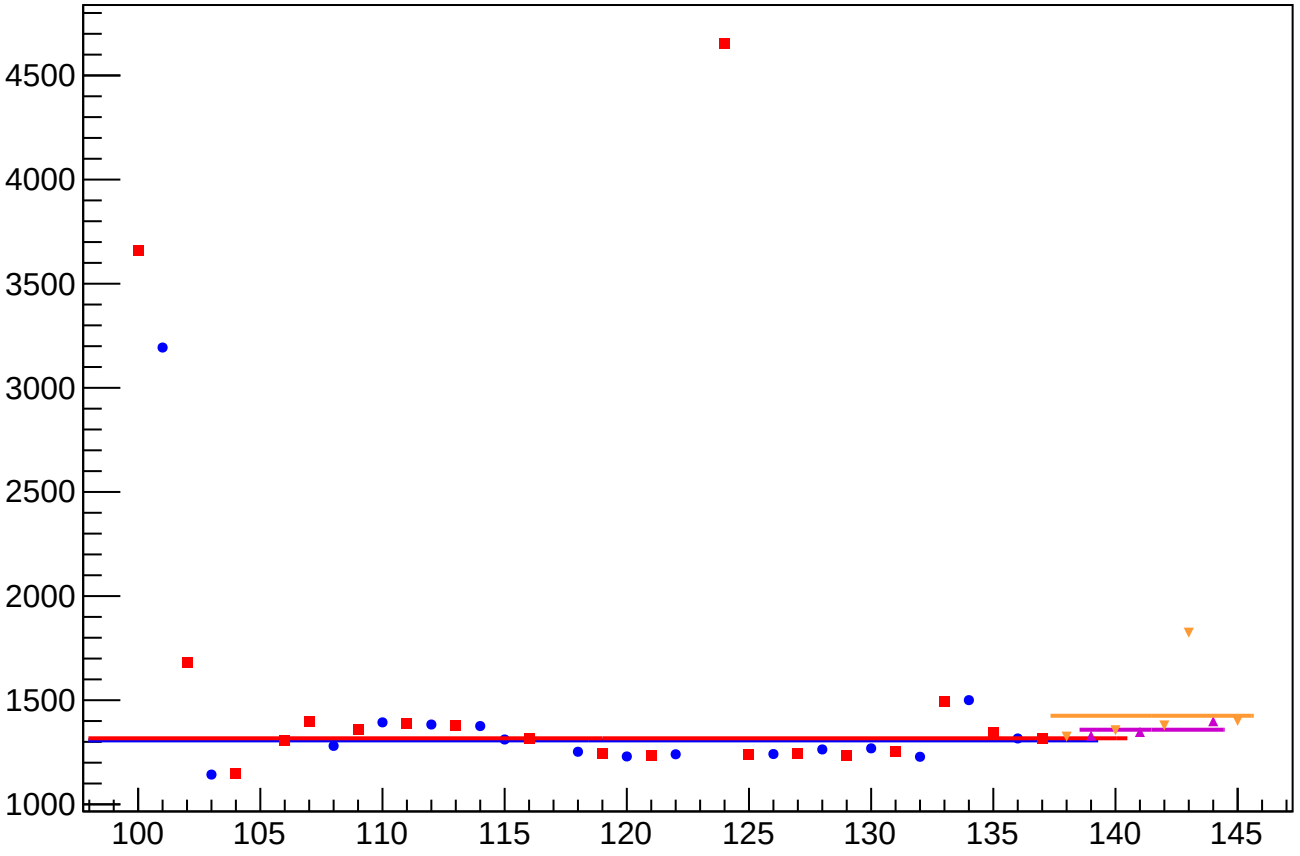
Left In: -4020.746+/-837.642 χ^2/NDF:1.1/2

+ sign 2417.521+/-412.739 χ^2/NDF: 13.1/20

All: 69.276+/-296.419 χ^2/NDF: 105.4/42

- sign -2431.970+/-425.973 χ^2/NDF: 25.5/21

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

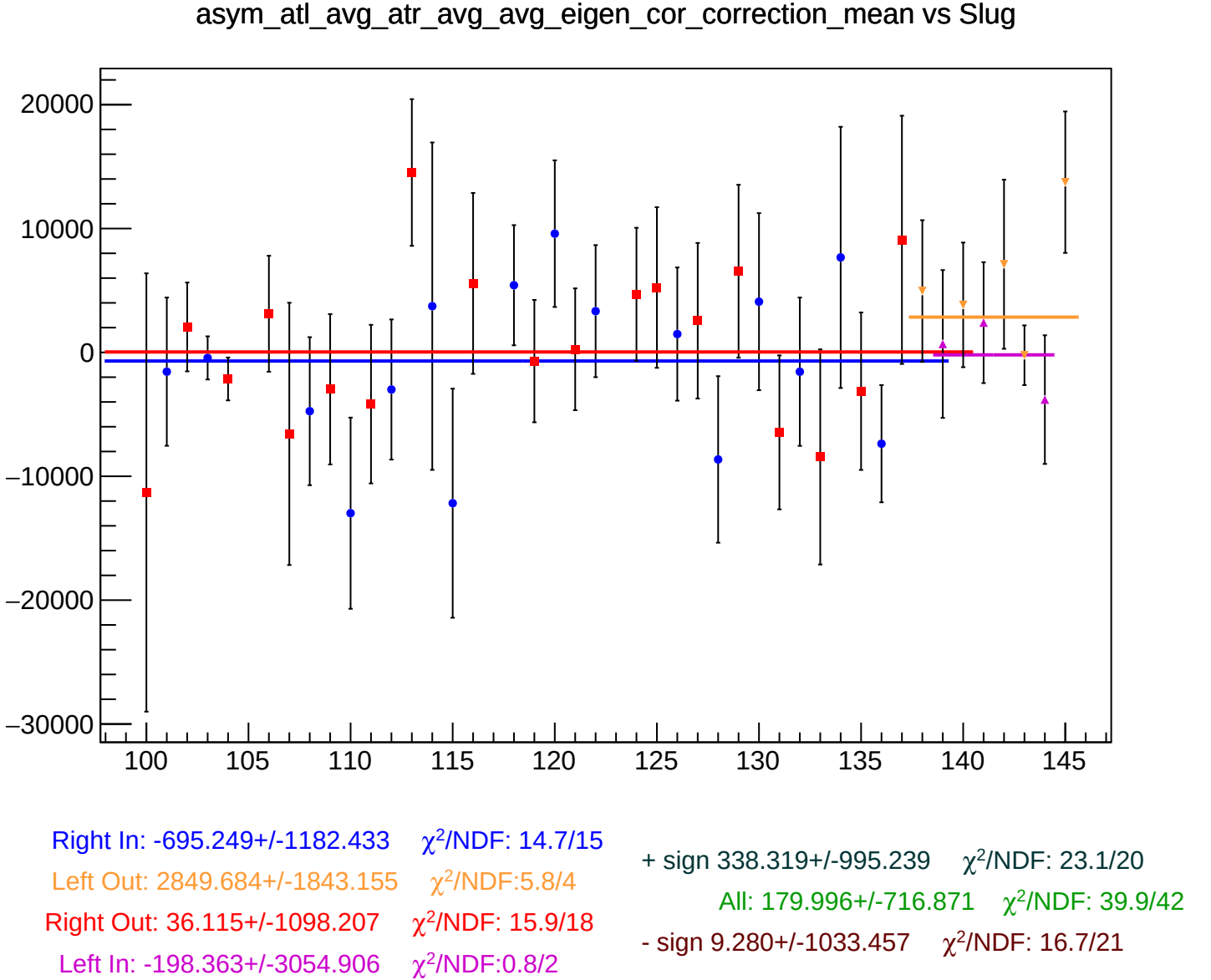
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

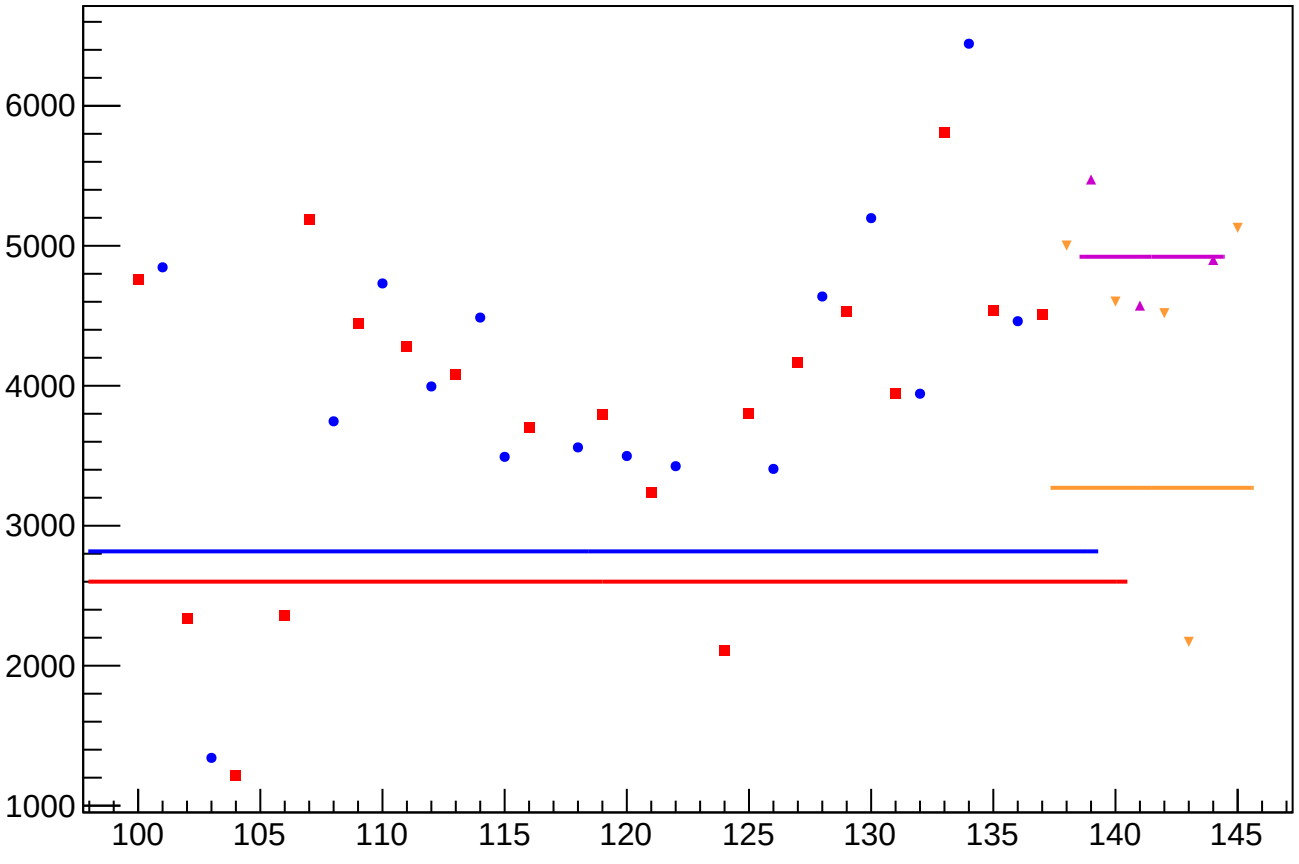
Left In: 1358.287+/-0.592 χ^2/NDF:2407.0/2

+ sign 1343.232+/-0.292 χ^2/NDF: 644065.4/20

All: 1335.721+/-0.209 χ^2/NDF: 977348.9/42

- sign 1327.742+/-0.301 χ^2/NDF: 331917.4/21


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: 2849.684+/-1843.155 χ²/NDF:5.8/4
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -198.363+/-3054.906 χ²/NDF:0.8/2
+ sign 338.319+/-995.239 χ²/NDF: 23.1/20
All: 179.996+/-716.871 χ²/NDF: 39.9/42
- sign 9.280+/-1033.457 χ²/NDF: 16.7/21



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

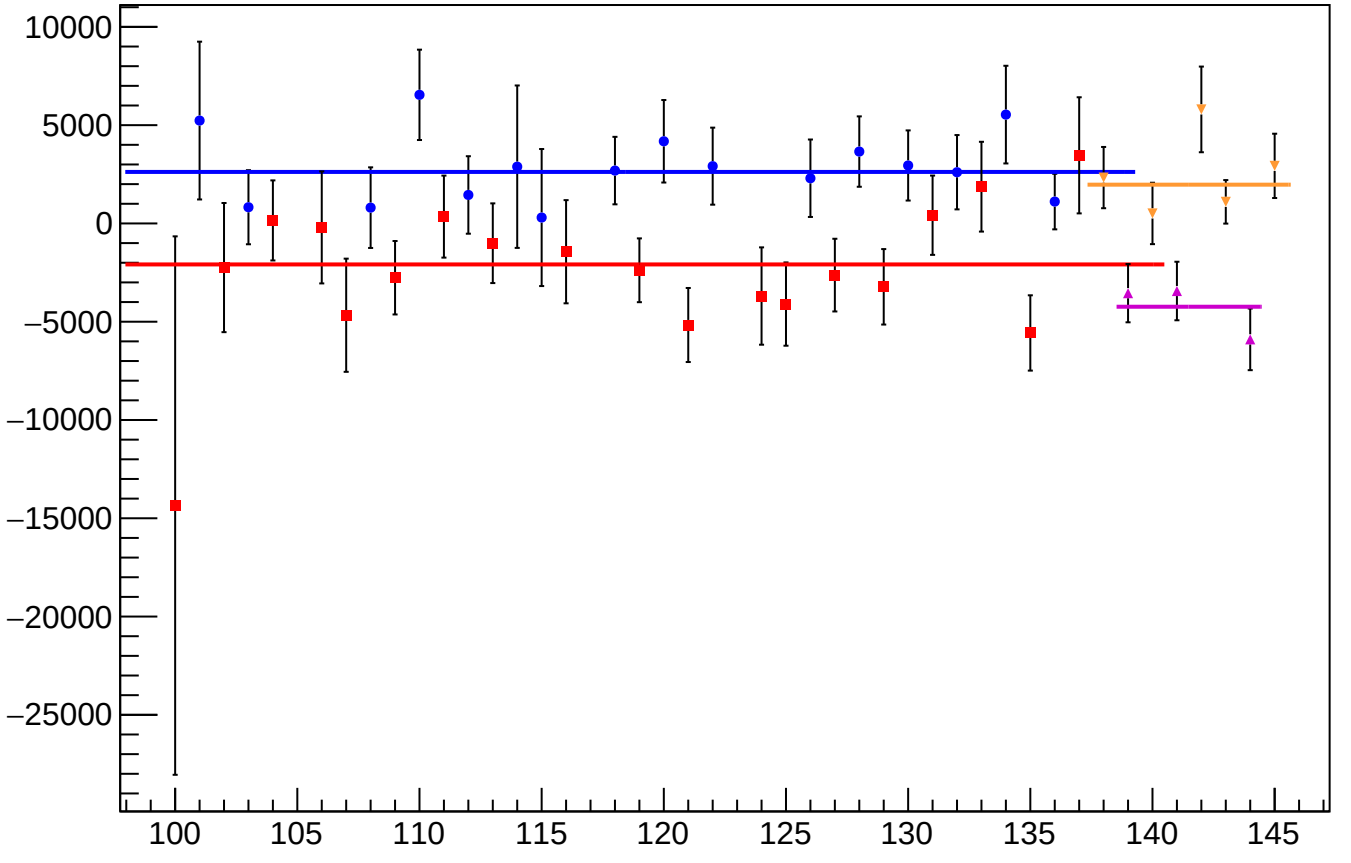
Left In: 4921.785+/-2.160 χ^2/NDF:27390.9/2

+ sign 2949.194+/-0.704 χ^2/NDF: 4112125.3/20

All: 2909.248+/-0.507 χ^2/NDF: 8249567.2/42

- sign 2866.176+/-0.731 χ^2/NDF: 4130745.9/21

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

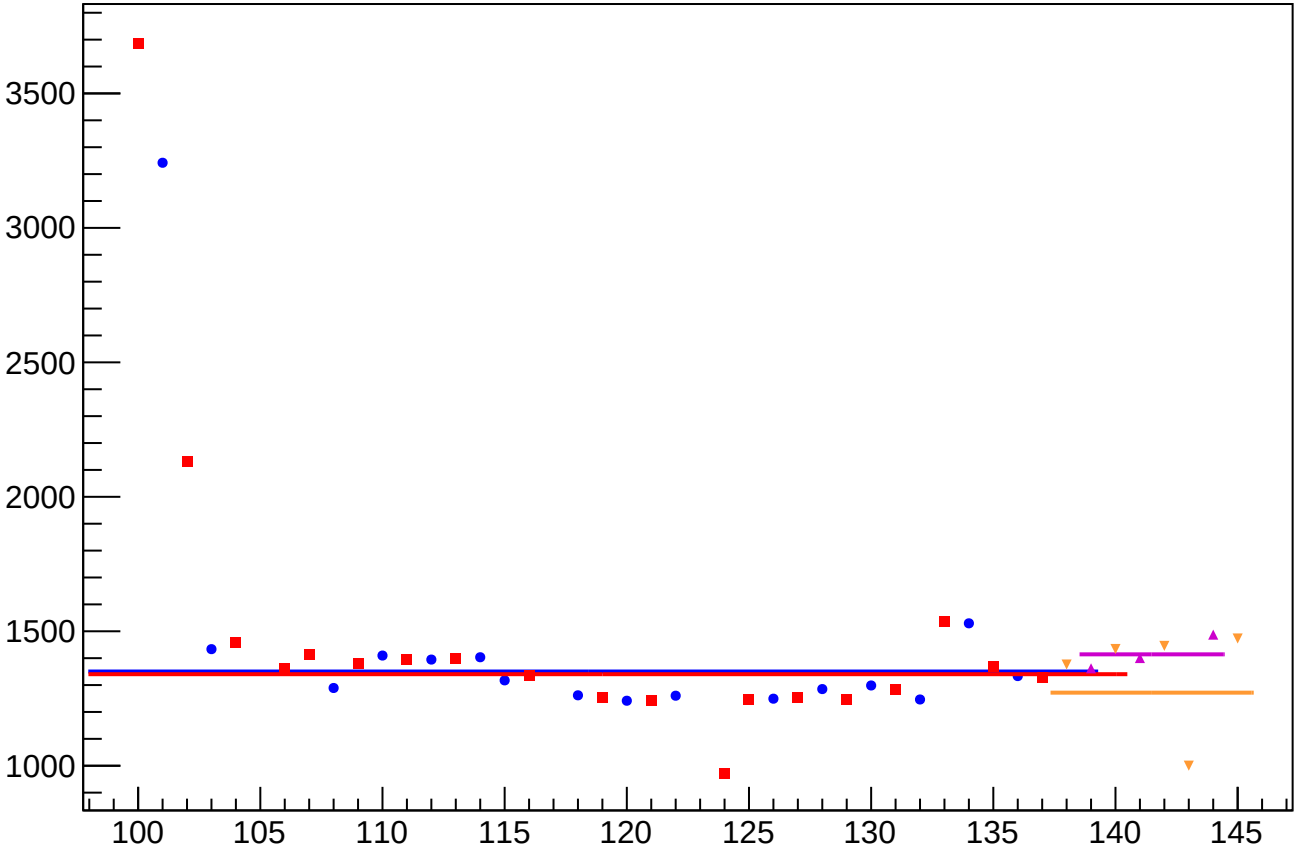
Left In: -4237.584+/-872.681 χ^2/NDF:1.6/2

+ sign 2382.252+/-406.771 χ^2/NDF: 14.9/20

All: 57.725+/-297.747 χ^2/NDF: 112.4/42

- sign -2625.251+/-437.009 χ^2/NDF: 27.1/21

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

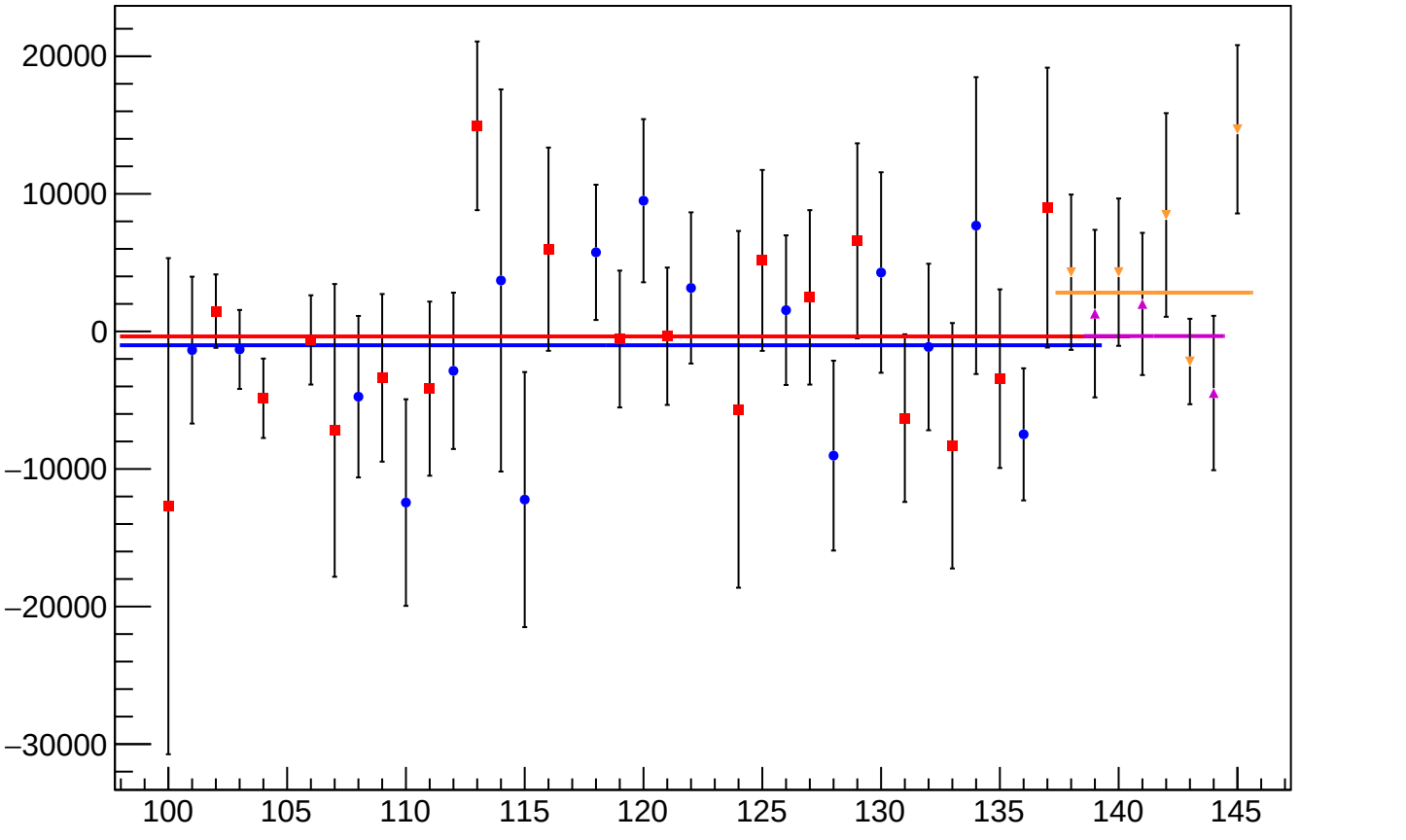
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1414.247+/-0.617 χ^2/NDF:7002.9/2

+ sign 1321.481+/-0.288 χ^2/NDF: 705308.1/20

All: 1338.870+/-0.210 χ^2/NDF: 1003089.3/42

- sign 1358.922+/-0.309 χ^2/NDF: 289911.3/21



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 2819.293+/-2157.696 χ^2/NDF:7.1/4

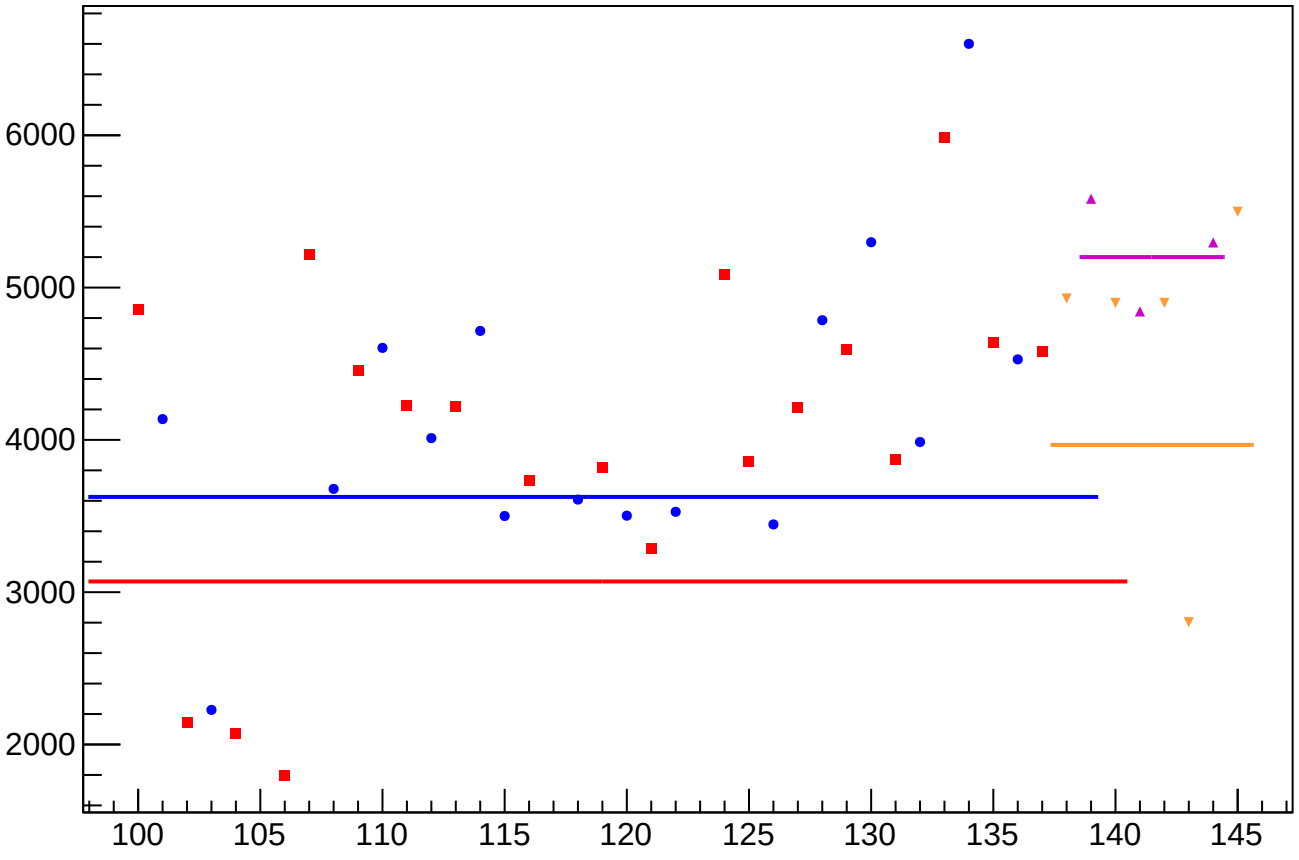
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -338.516+/-3224.993 χ^2/NDF:0.8/2

+ sign 131.859+/-1177.071 χ^2/NDF: 23.9/20

All: -125.505+/-813.930 χ^2/NDF: 41.0/42

- sign -361.322+/-1126.722 χ^2/NDF: 17.0/21



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3967.098+/-1.526 χ^2/NDF:556480.1/4

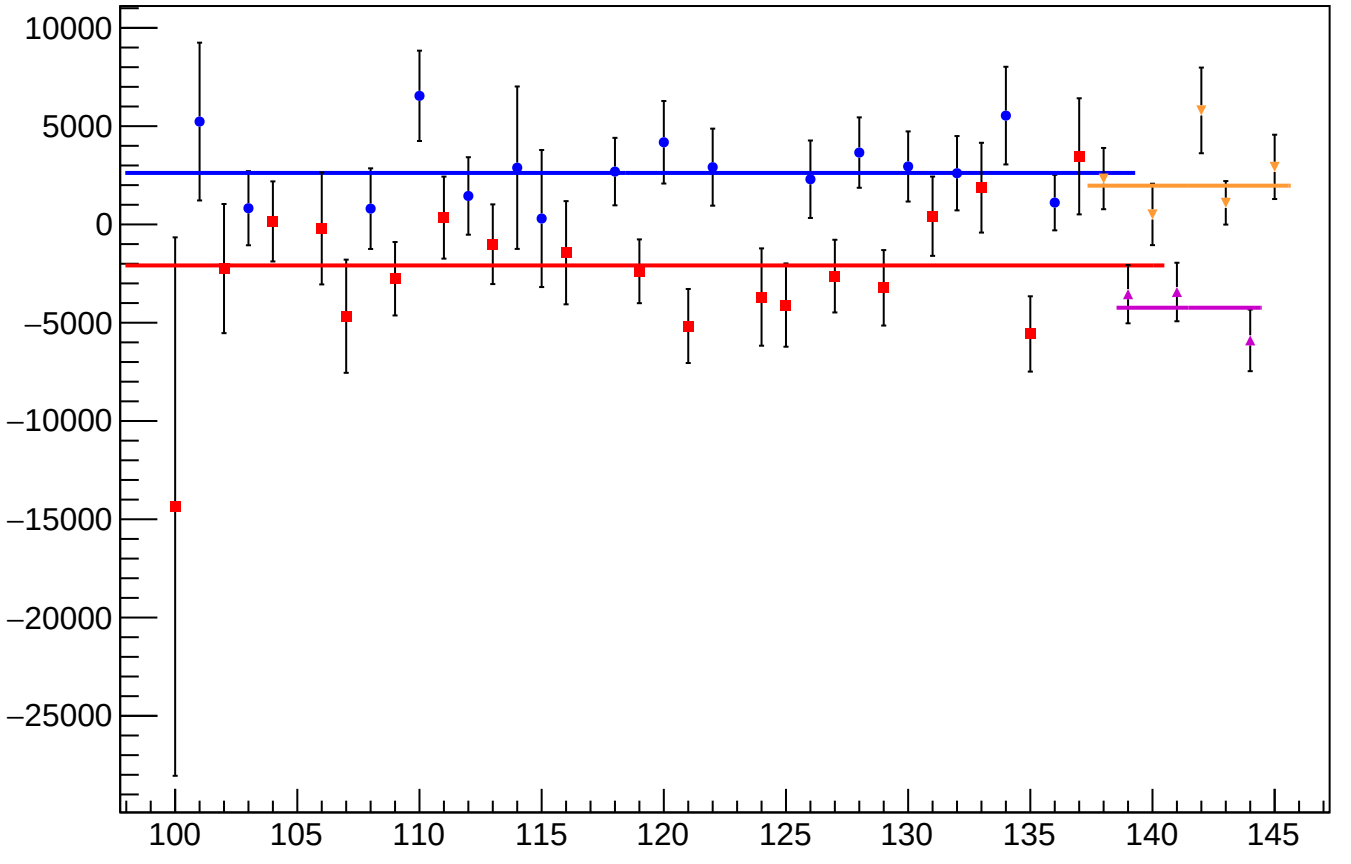
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5200.424+/-2.280 χ^2/NDF:18015.5/2

+ sign 3727.166+/-0.832 χ^2/NDF: 1536593.4/20

All: 3520.131+/-0.576 χ^2/NDF: 4277766.6/42

- sign 3330.429+/-0.797 χ^2/NDF: 2622604.4/21



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

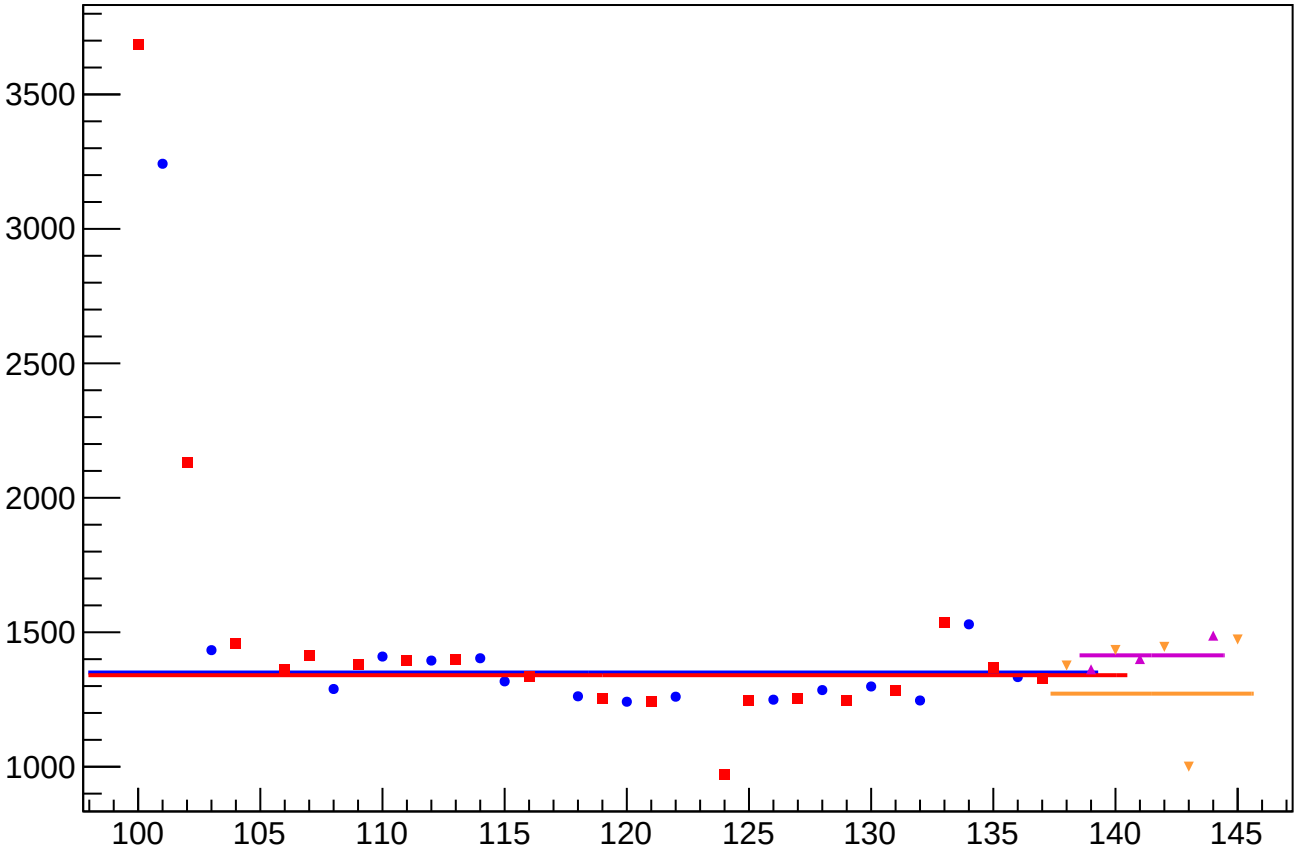
Left In: -4237.577+/-872.682 χ^2/NDF:1.6/2

+ sign 2382.255+/-406.771 χ^2/NDF: 14.9/20

All: 57.727+/-297.747 χ^2/NDF: 112.4/42

- sign -2625.250+/-437.009 χ^2/NDF: 27.1/21

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

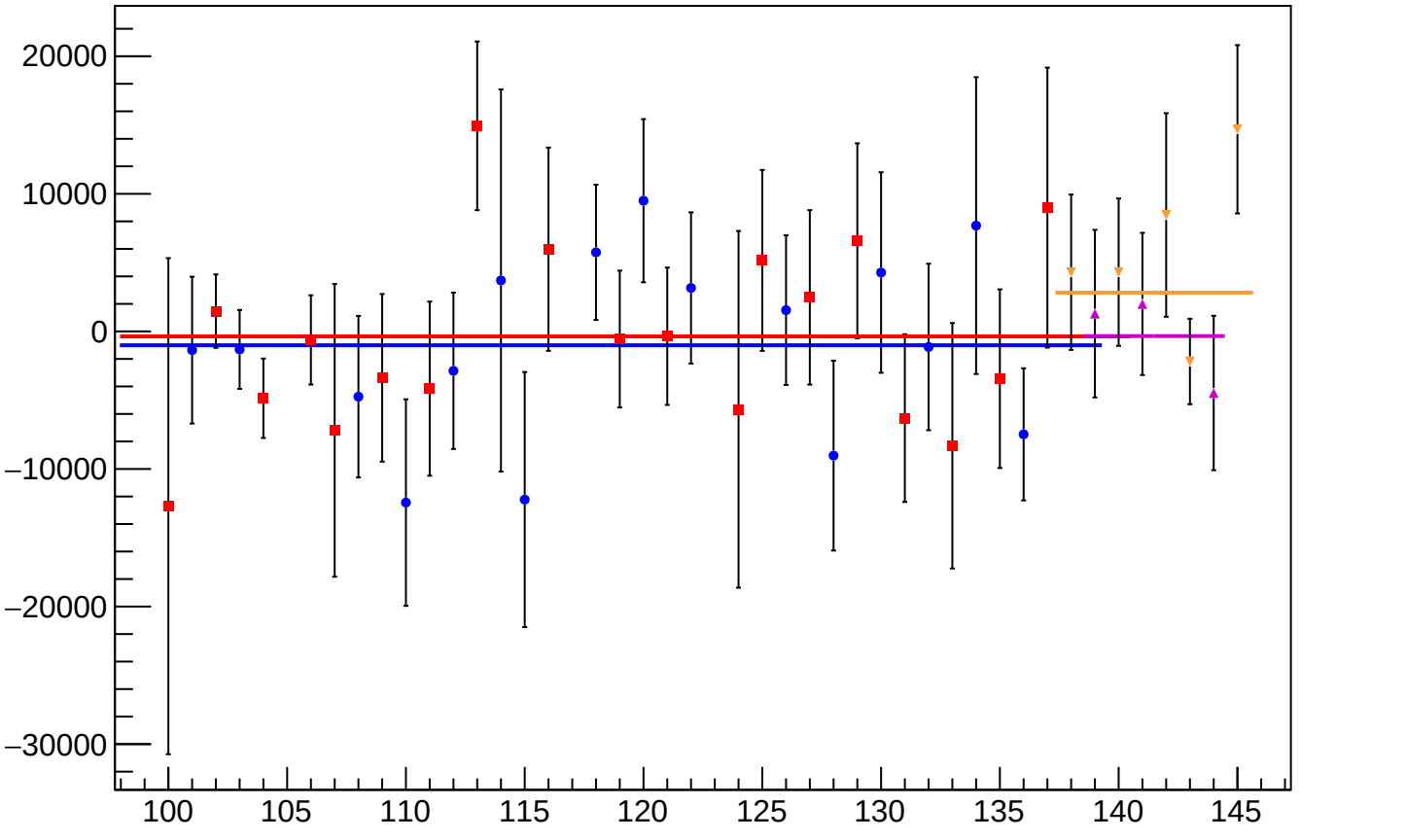
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1414.248+/-0.617 χ^2/NDF:7003.0/2

+ sign 1321.481+/-0.288 χ^2/NDF: 705307.8/20

All: 1338.870+/-0.210 χ^2/NDF: 1003088.6/42

- sign 1358.922+/-0.309 χ^2/NDF: 289911.0/21



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 2819.297+/-2157.700 χ^2/NDF:7.1/4

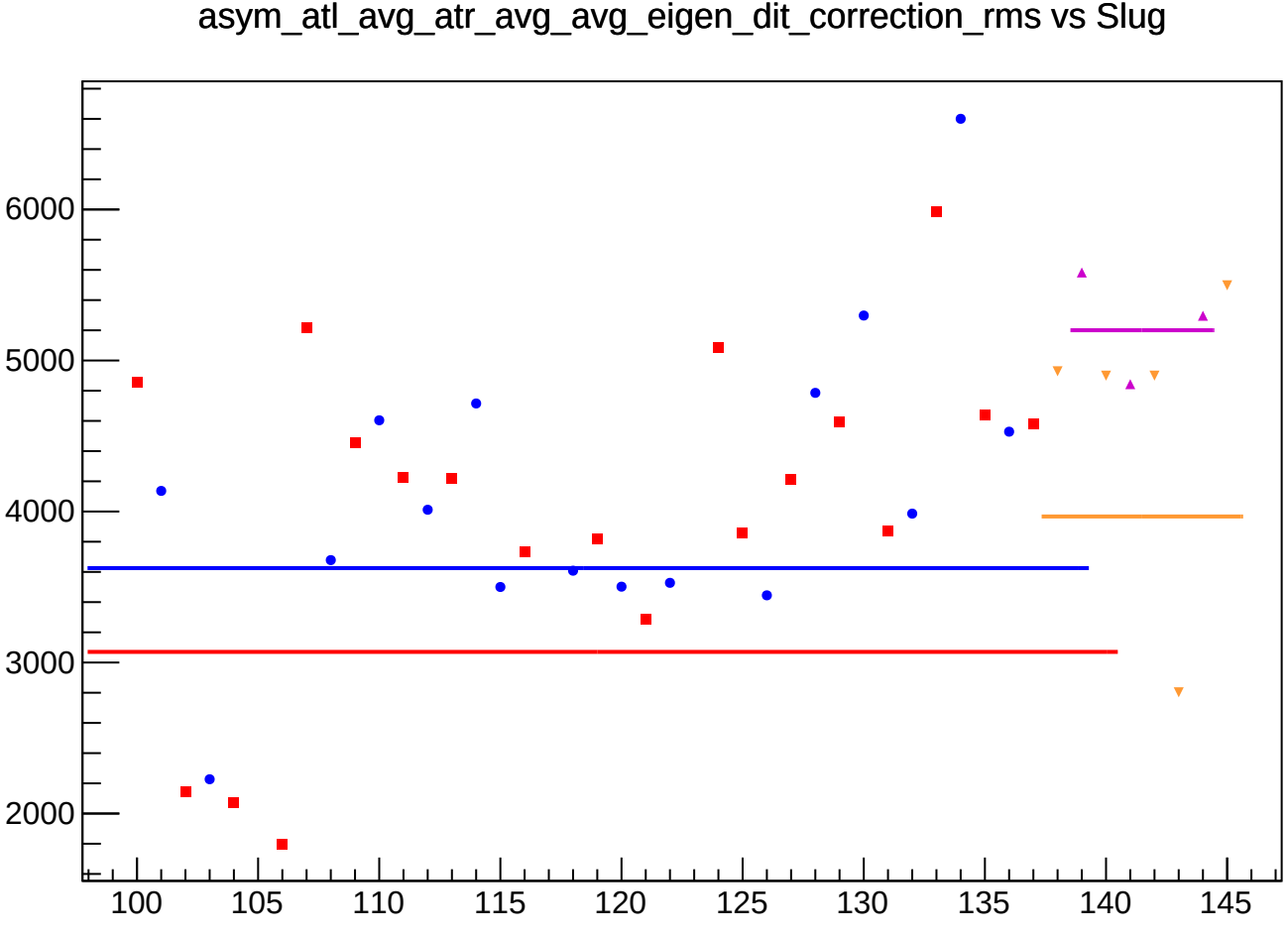
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -338.511+/-3224.998 χ^2/NDF:0.8/2

+ sign 131.860+/-1177.070 χ^2/NDF: 23.9/20

All: -125.505+/-813.929 χ^2/NDF: 41.0/42

- sign -361.323+/-1126.719 χ^2/NDF: 17.0/21



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

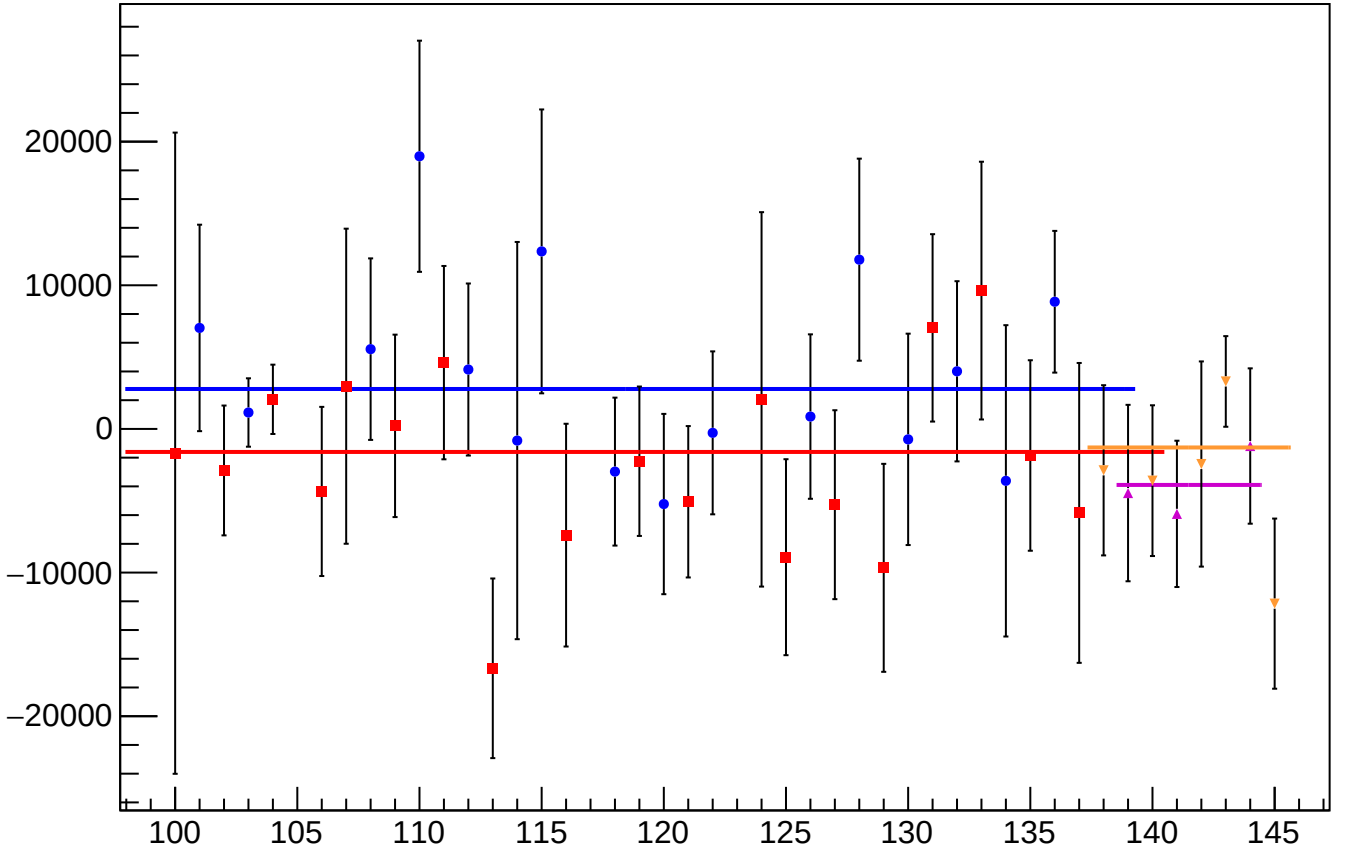
Left In: 5200.433+/-2.280 χ^2/NDF:18015.9/2

+ sign 3727.161+/-0.832 χ^2/NDF: 1536599.0/20

All: 3520.124+/-0.576 χ^2/NDF: 4277788.6/42

- sign 3330.421+/-0.797 χ^2/NDF: 2622618.1/21

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

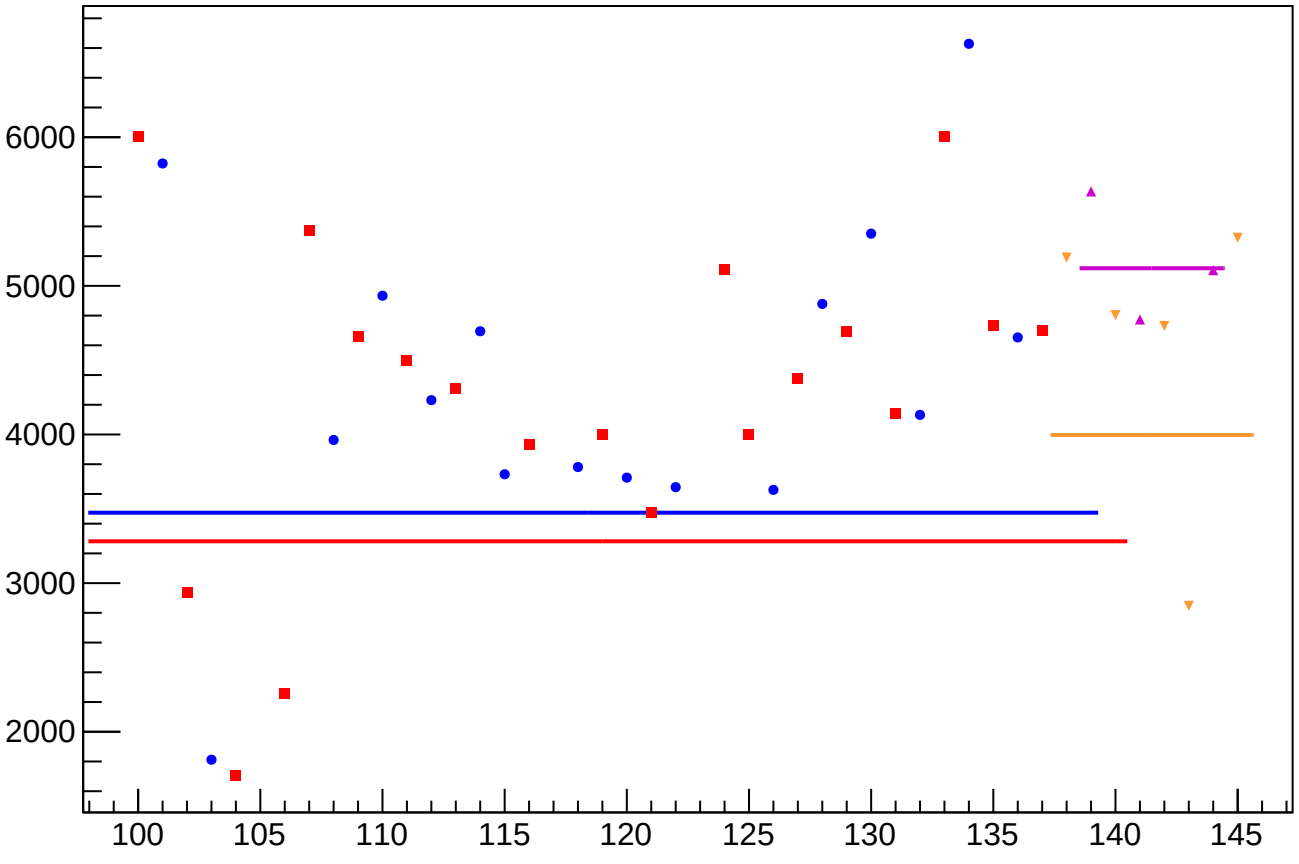
Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: -3899.076+/-3173.785 χ^2/NDF:0.4/2

+ sign 1592.892+/-1169.302 χ^2/NDF: 21.5/20

All: -85.307+/-848.169 χ^2/NDF: 43.5/42

- sign -1948.747+/-1232.148 χ^2/NDF: 17.7/21



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3996.578+/-1.531 χ^2/NDF:515548.8/4

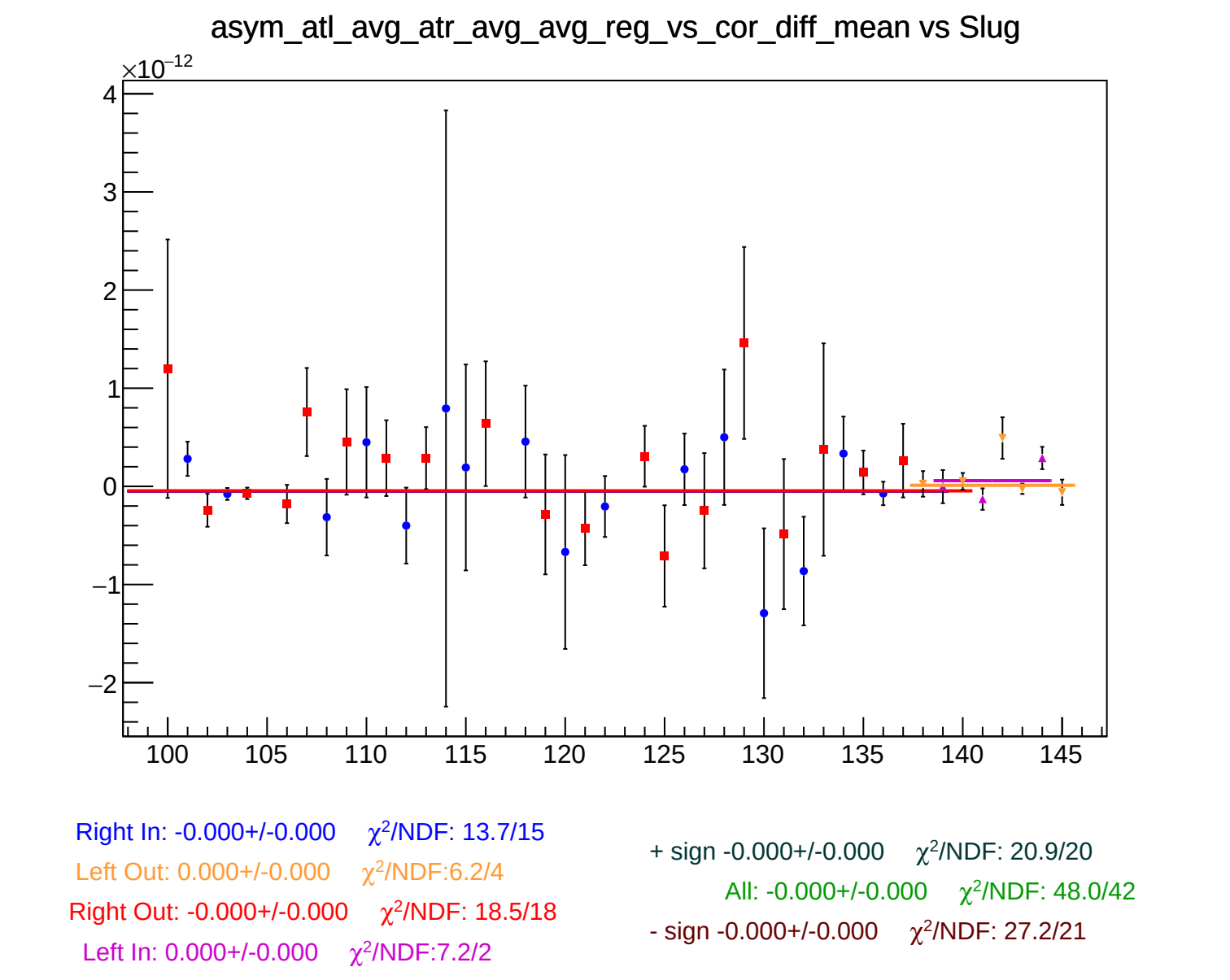
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

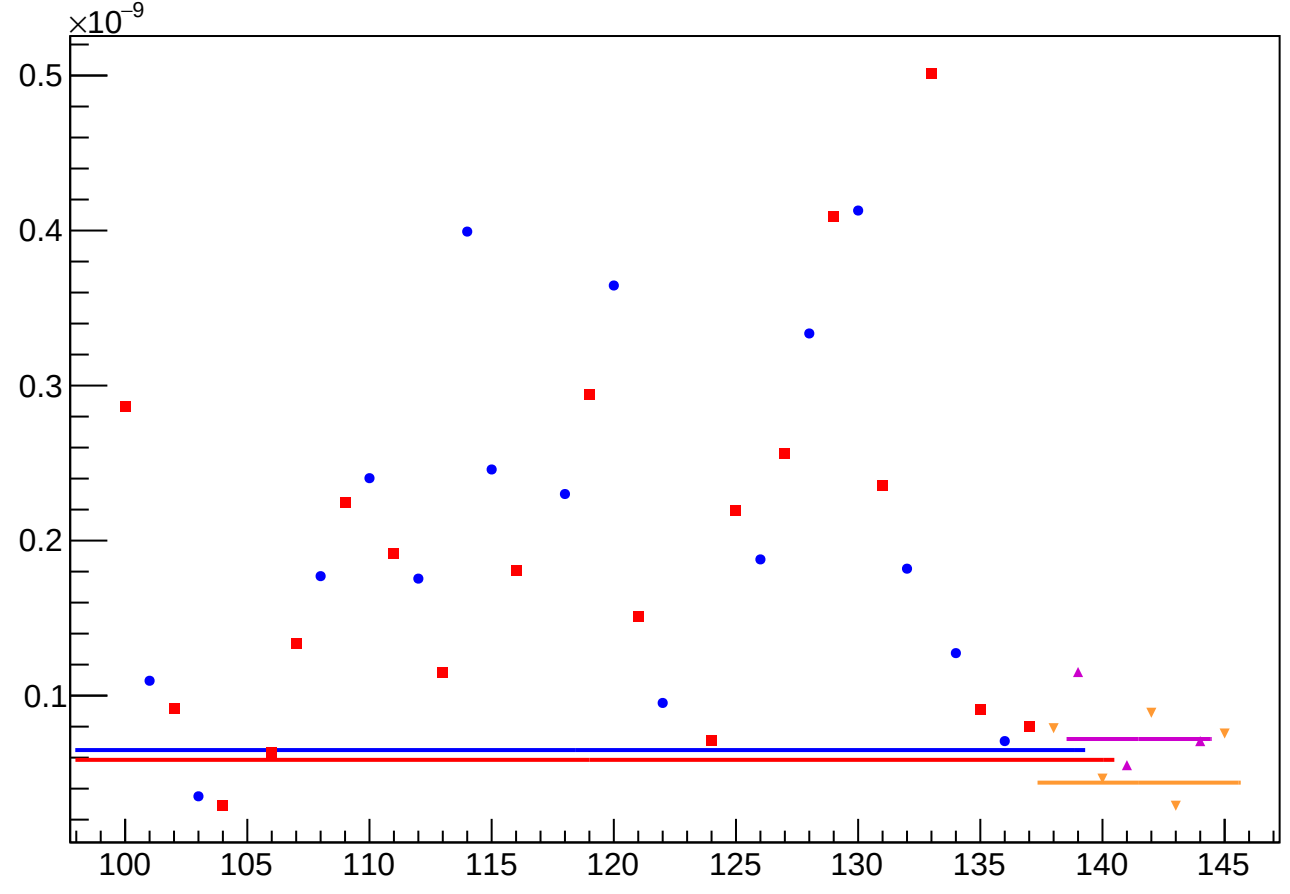
Left In: 5118.226+/-2.244 χ^2/NDF:23339.9/2

+ sign 3626.399+/-0.827 χ^2/NDF: 2442091.1/20

All: 3590.664+/-0.596 χ^2/NDF: 4916041.8/42

- sign 3551.904+/-0.861 χ^2/NDF: 2470056.7/21


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
145
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:7.2/2
+ sign -0.000+/-0.000 χ²/NDF: 20.9/20
All: -0.000+/-0.000 χ²/NDF: 48.0/42
- sign -0.000+/-0.000 χ²/NDF: 27.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:517460.6/4

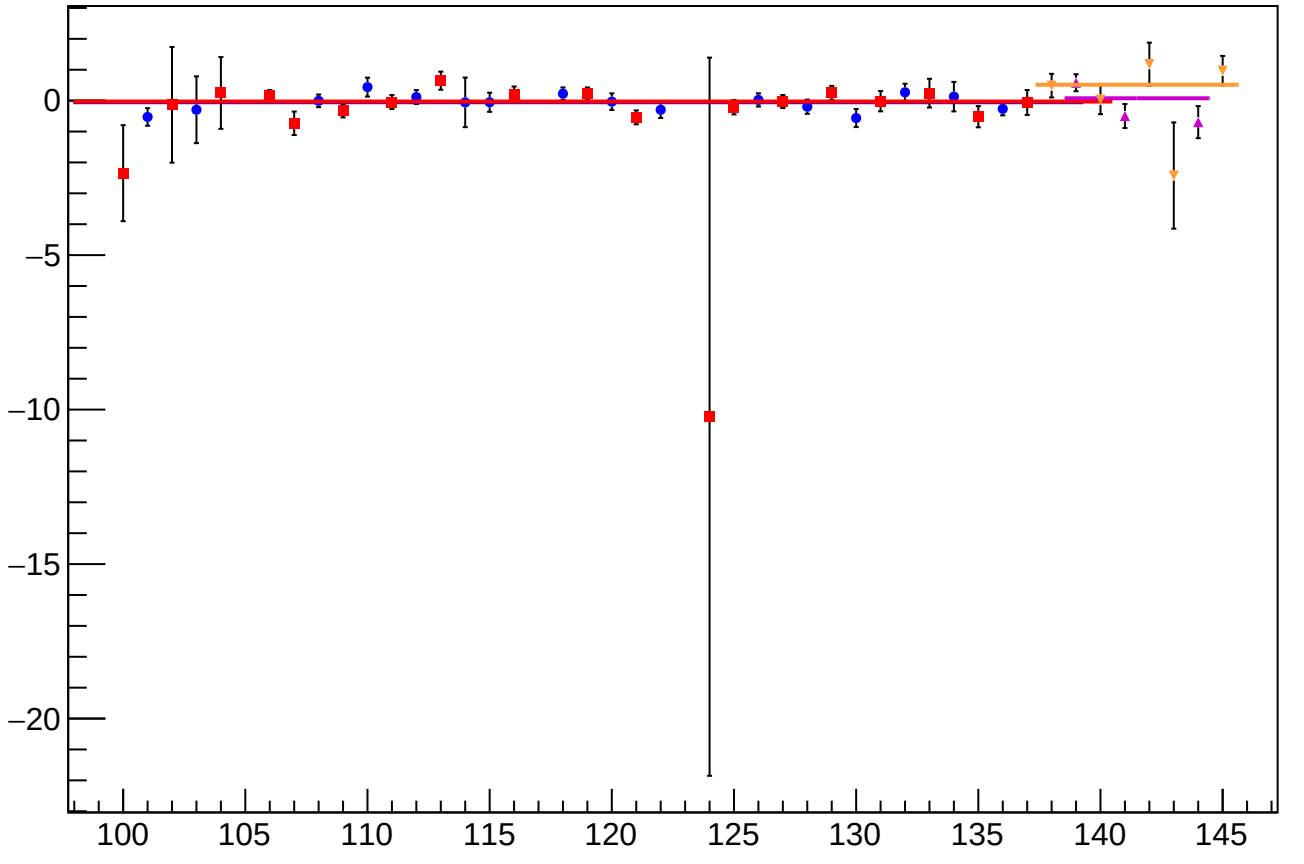
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:178749.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 3335478.5/20

All: 0.000+/-0.000 χ^2/NDF: 6505019.9/42

- sign 0.000+/-0.000 χ^2/NDF: 3082948.4/21



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

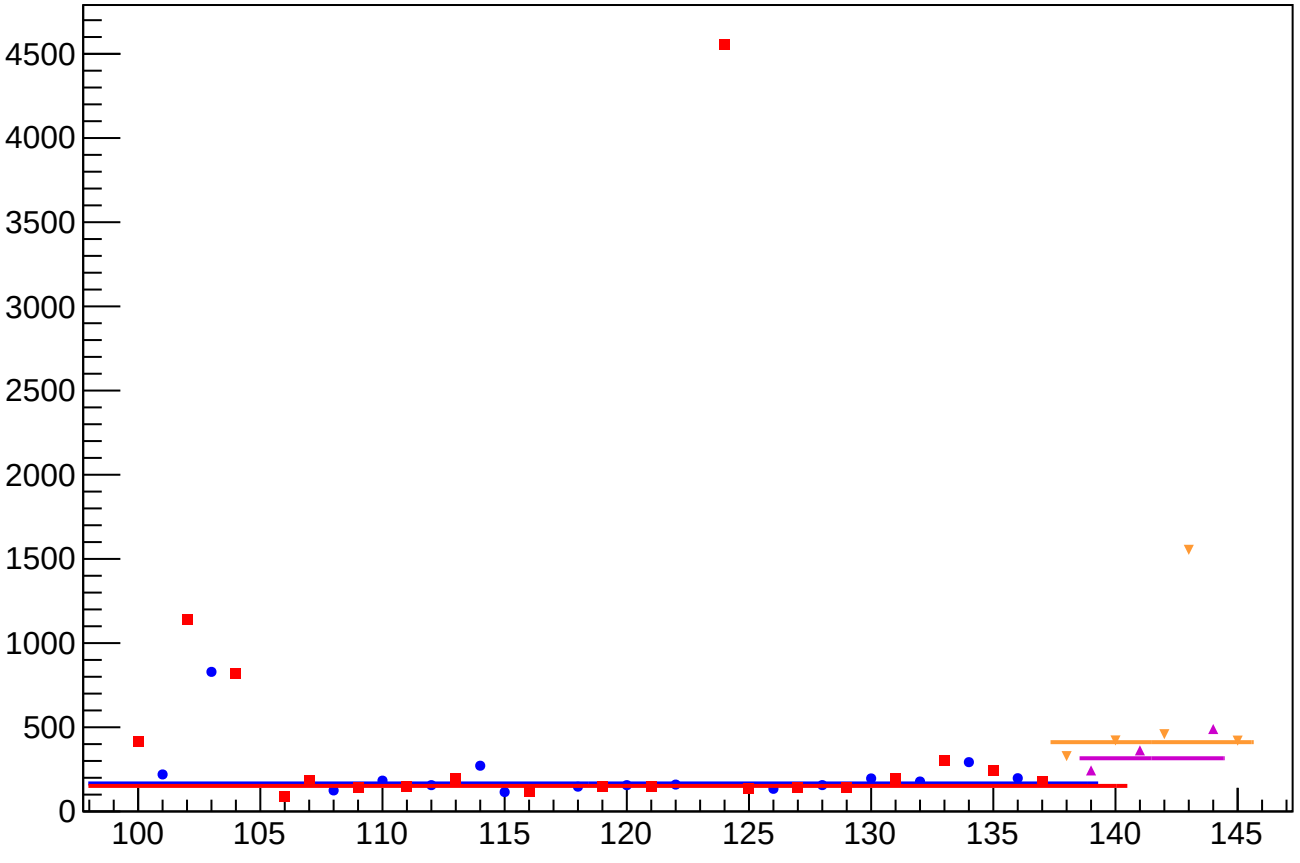
Left In: 0.076+/-0.206 χ^2/NDF:7.7/2

+ sign -0.009+/-0.064 χ^2/NDF: 26.0/20

All: -0.015+/-0.044 χ^2/NDF: 61.5/42

- sign -0.020+/-0.061 χ^2/NDF: 35.5/21

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

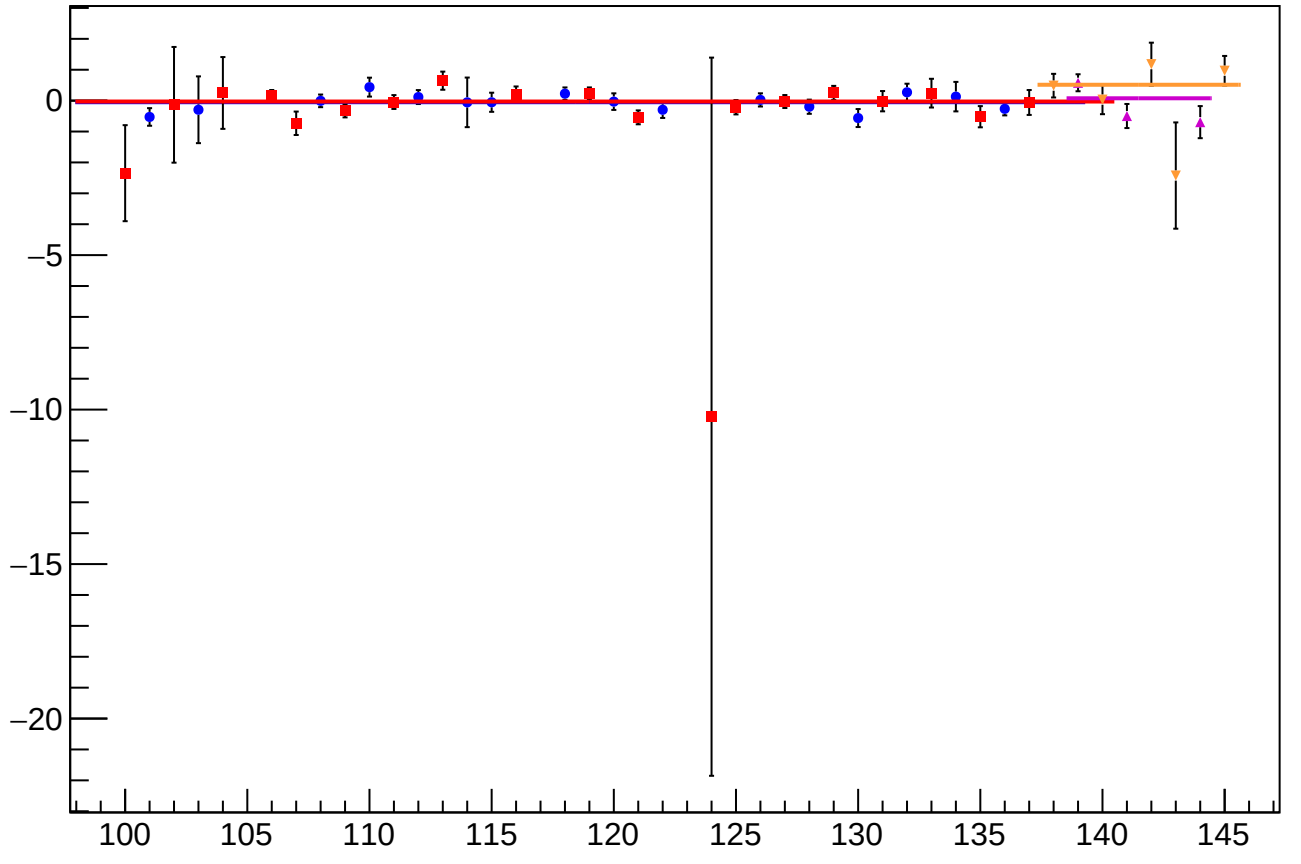
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 315.933+/-0.146 χ^2/NDF:390285.6/2

+ sign 184.672+/-0.045 χ^2/NDF: 4287372.6/20

All: 174.994+/-0.031 χ^2/NDF: 8234901.6/42

- sign 166.210+/-0.043 χ^2/NDF: 3860788.6/21



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.514+/-0.235 χ^2/NDF:5.8/4

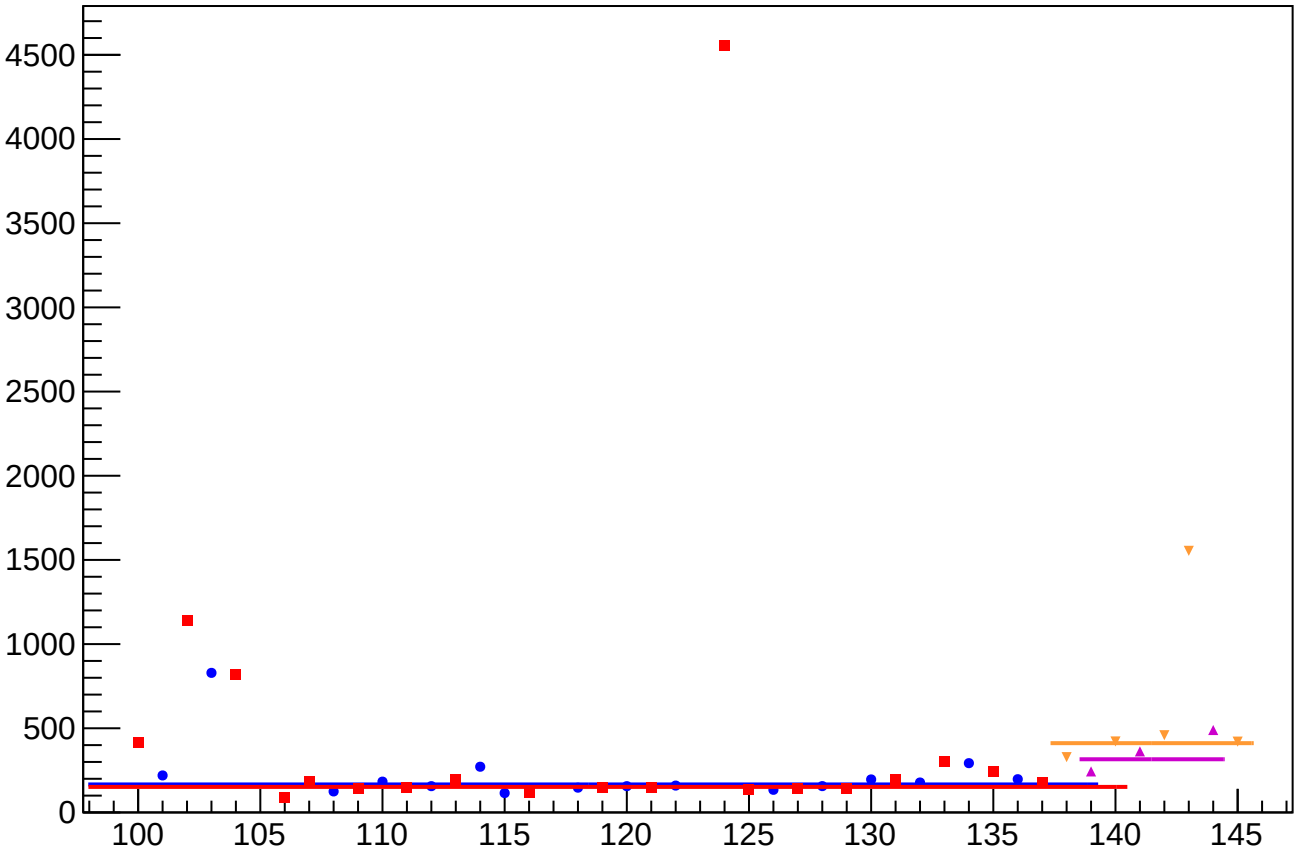
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.076+/-0.206 χ^2/NDF:7.7/2

+ sign -0.009+/-0.064 χ^2/NDF: 26.0/20

All: -0.015+/-0.044 χ^2/NDF: 61.5/42

- sign -0.020+/-0.061 χ^2/NDF: 35.5/21



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 411.584+/-0.166 χ^2/NDF:987573.4/4

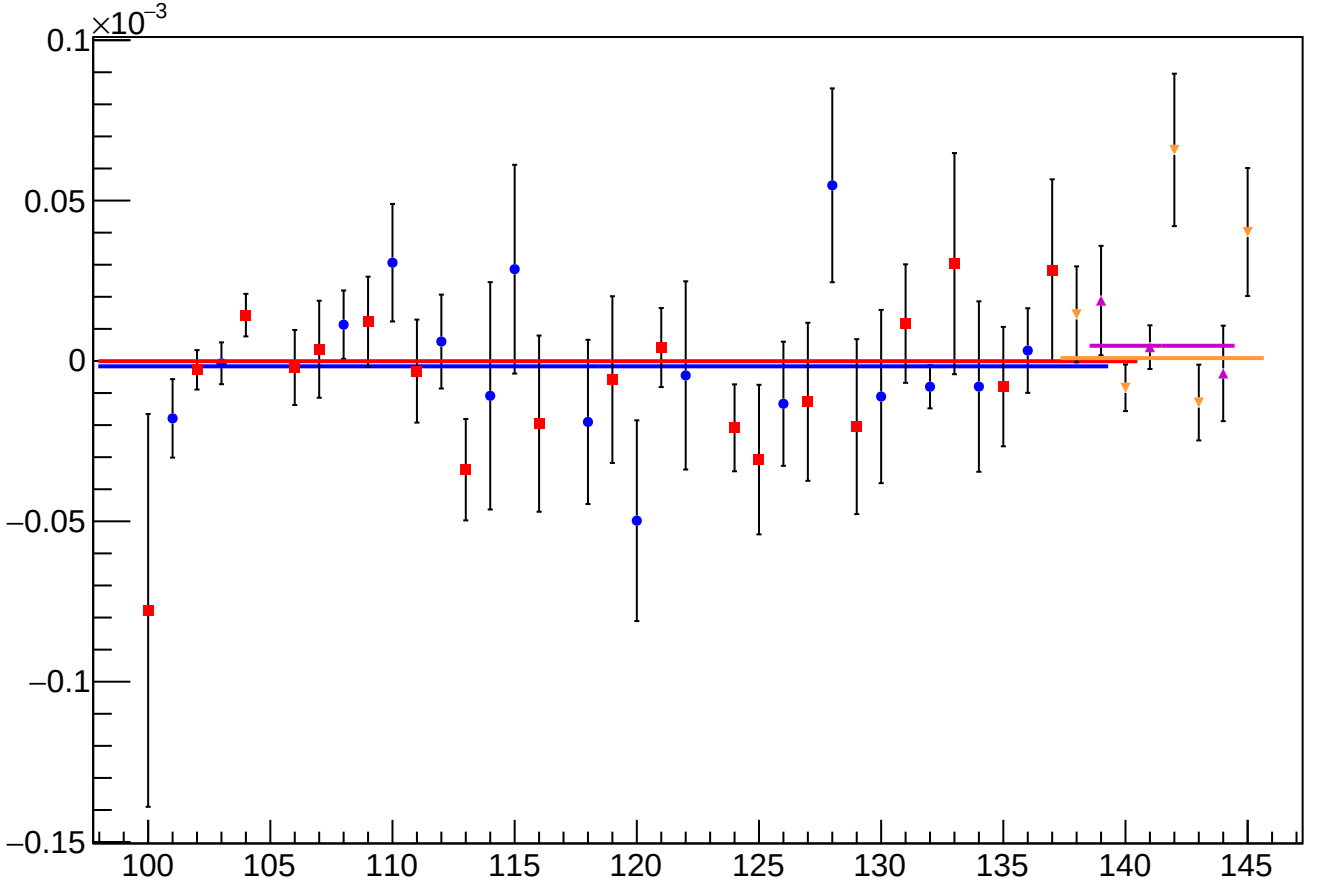
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 315.933+/-0.146 χ^2/NDF:390285.6/2

+ sign 184.672+/-0.045 χ^2/NDF: 4287372.6/20

All: 174.994+/-0.031 χ^2/NDF: 8234901.6/42

- sign 166.210+/-0.043 χ^2/NDF: 3860788.6/21



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/4

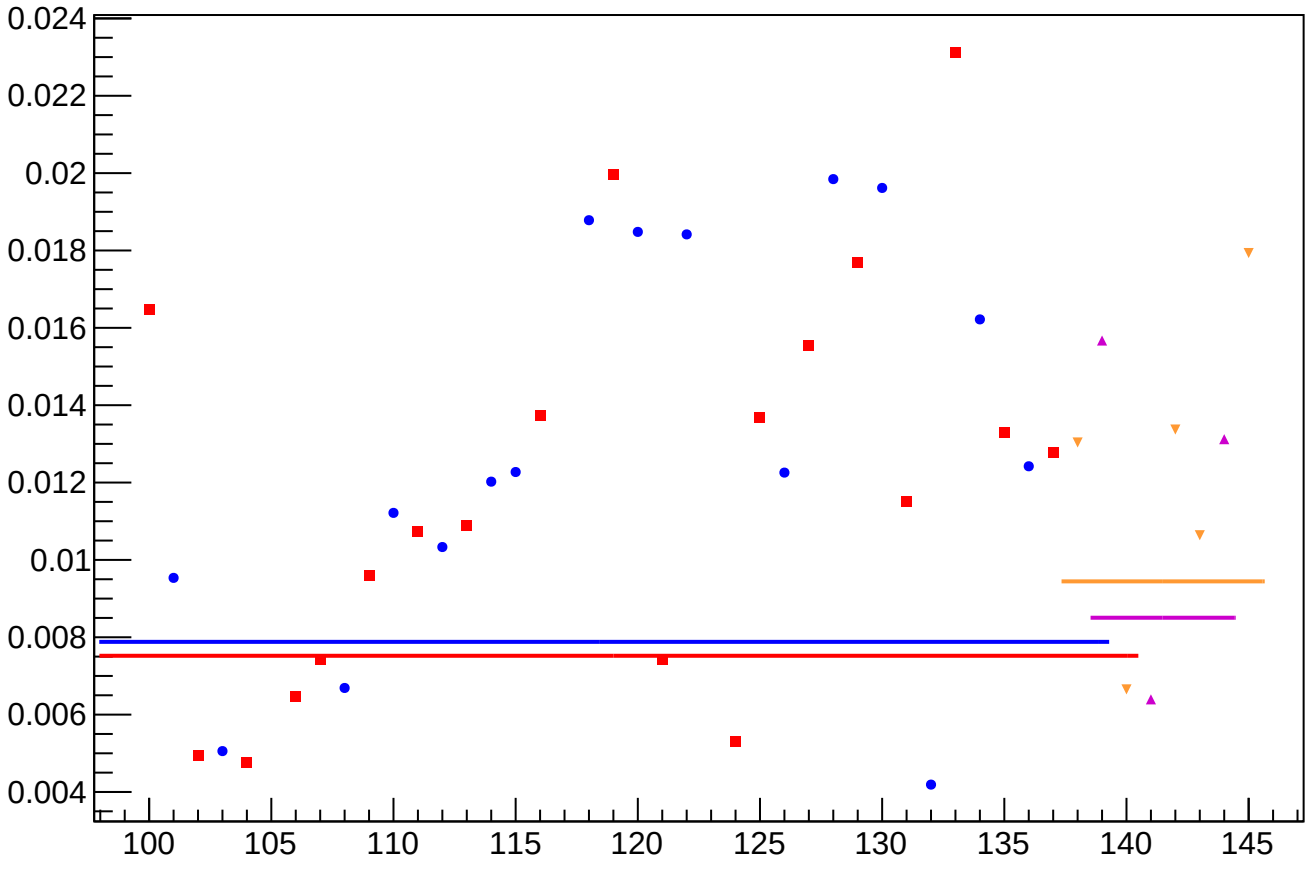
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/20

All: 0.000+/-0.000 χ^2/NDF: 52.5/42

- sign 0.000+/-0.000 χ^2/NDF: 21.4/21



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:847039.2/4

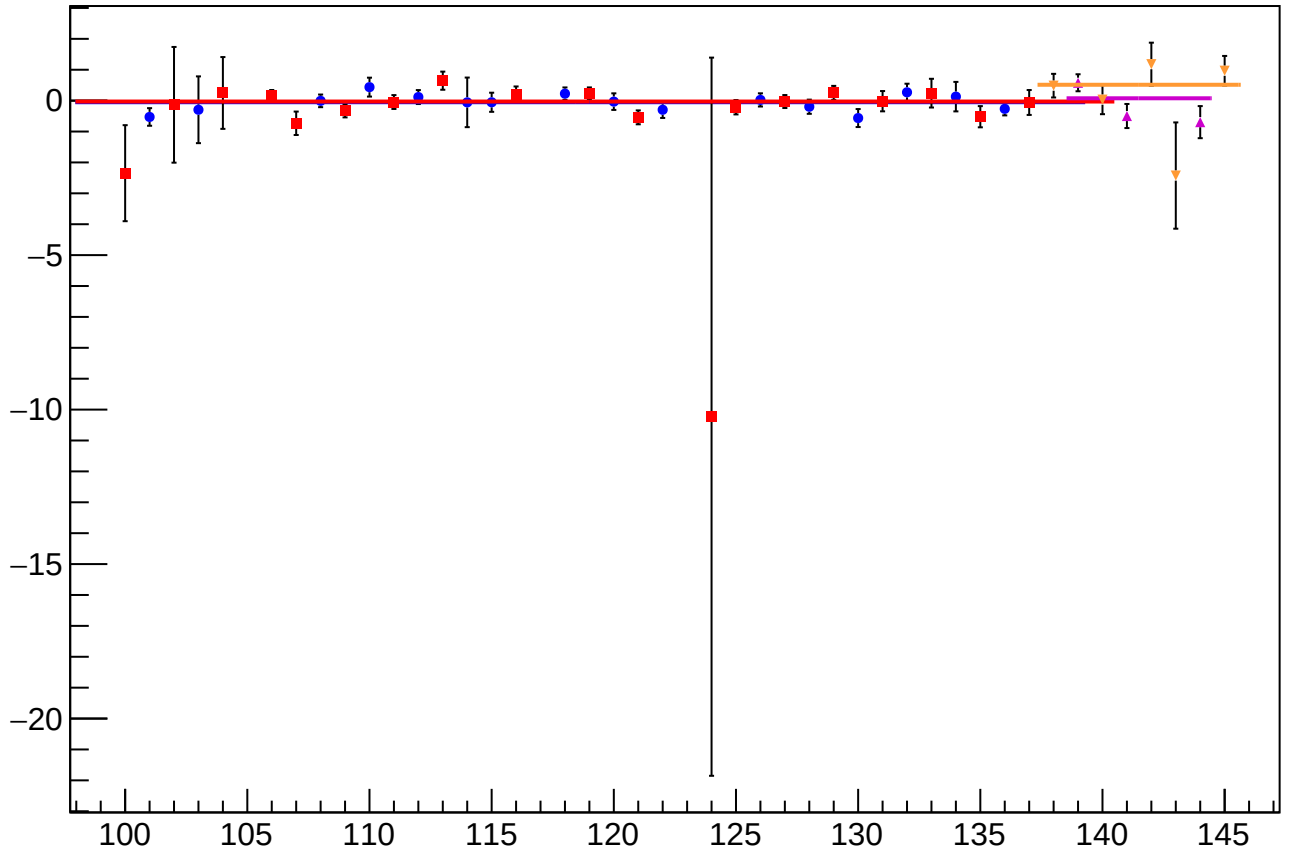
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.009+/-0.000 χ^2/NDF:737199.1/2

+ sign 0.008+/-0.000 χ^2/NDF: 4270210.4/20

All: 0.008+/-0.000 χ^2/NDF: 8070522.4/42

- sign 0.008+/-0.000 χ^2/NDF: 3756768.0/21



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.514+/-0.235 χ^2/NDF:5.8/4

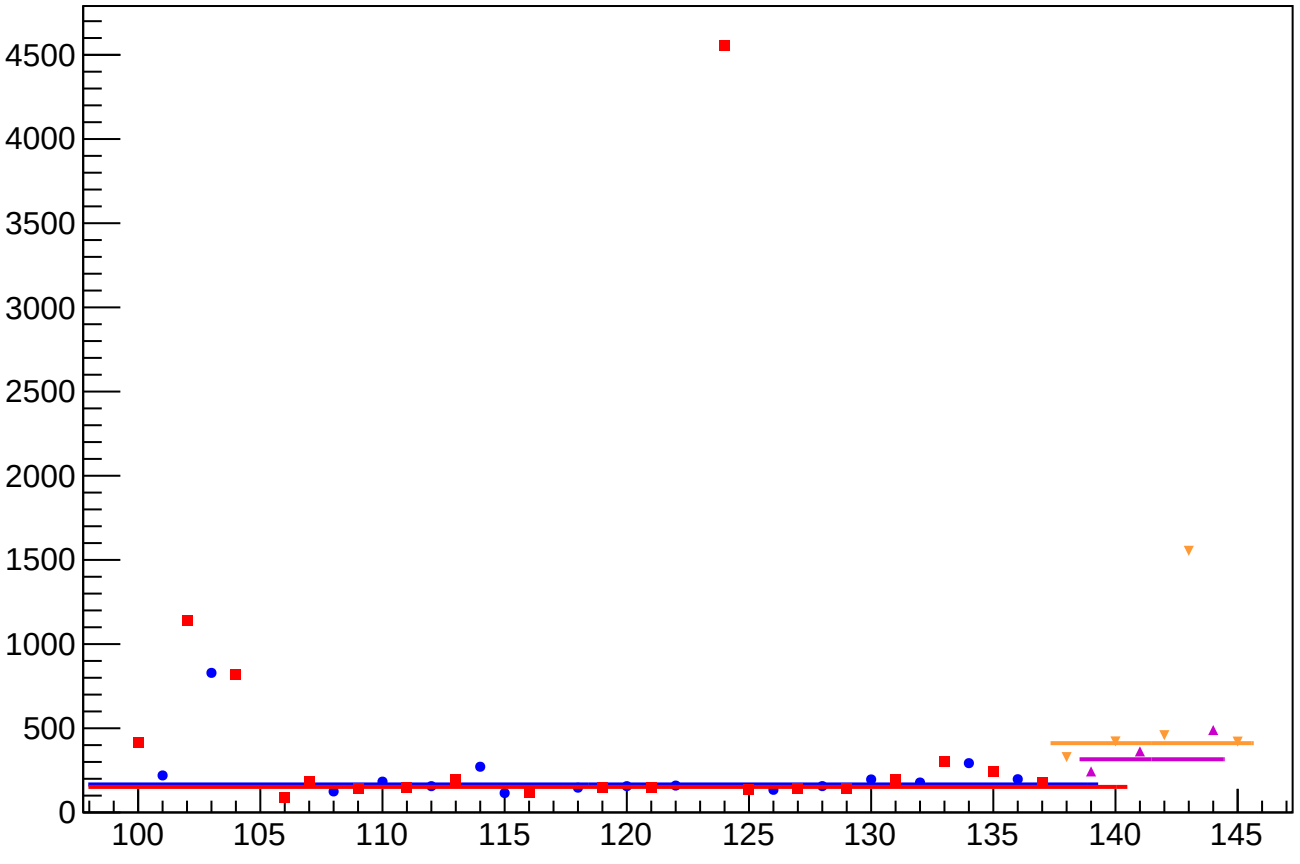
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.076+/-0.206 χ^2/NDF:7.7/2

+ sign -0.009+/-0.064 χ^2/NDF: 26.0/20

All: -0.015+/-0.044 χ^2/NDF: 61.5/42

- sign -0.020+/-0.061 χ^2/NDF: 35.5/21



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 411.589+/-0.166 χ^2/NDF:987568.8/4

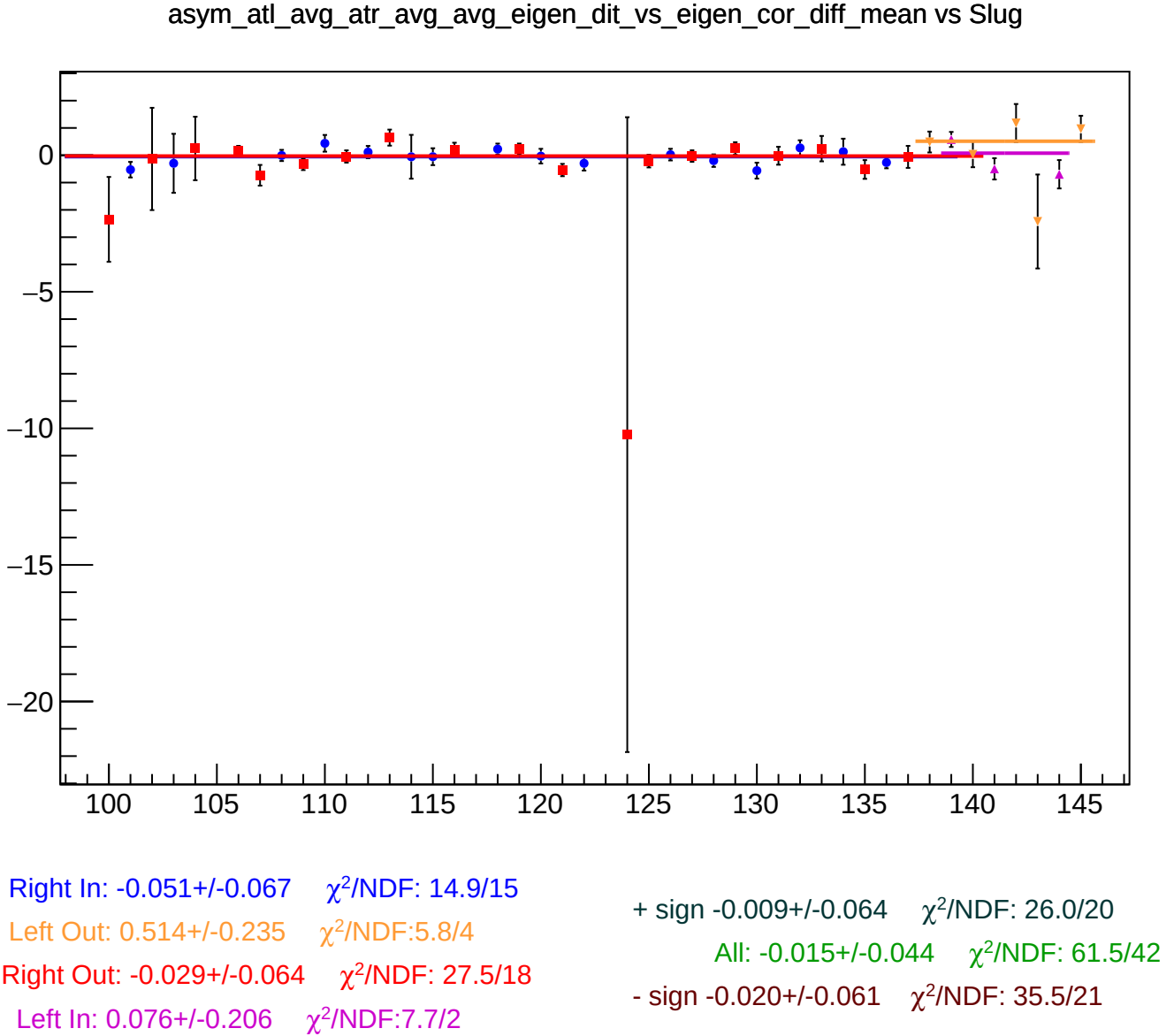
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 315.939+/-0.146 χ^2/NDF:390270.5/2

+ sign 184.671+/-0.045 χ^2/NDF: 4287413.4/20

All: 174.992+/-0.031 χ^2/NDF: 8235001.5/42

- sign 166.209+/-0.043 χ^2/NDF: 3860842.4/21



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.514+/-0.235 χ^2/NDF:5.8/4

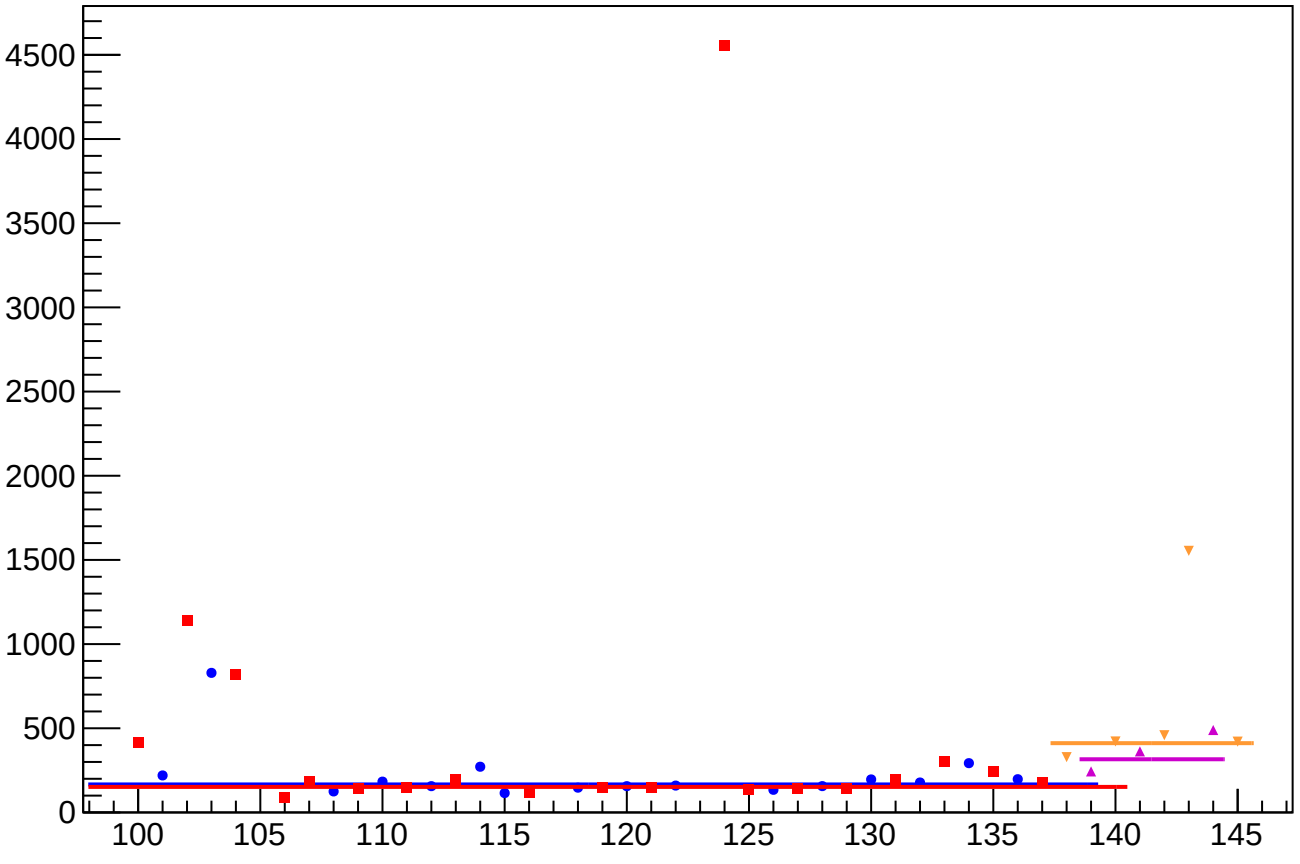
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.076+/-0.206 χ^2/NDF:7.7/2

+ sign -0.009+/-0.064 χ^2/NDF: 26.0/20

All: -0.015+/-0.044 χ^2/NDF: 61.5/42

- sign -0.020+/-0.061 χ^2/NDF: 35.5/21



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 411.589+/-0.166 χ^2/NDF:987568.8/4

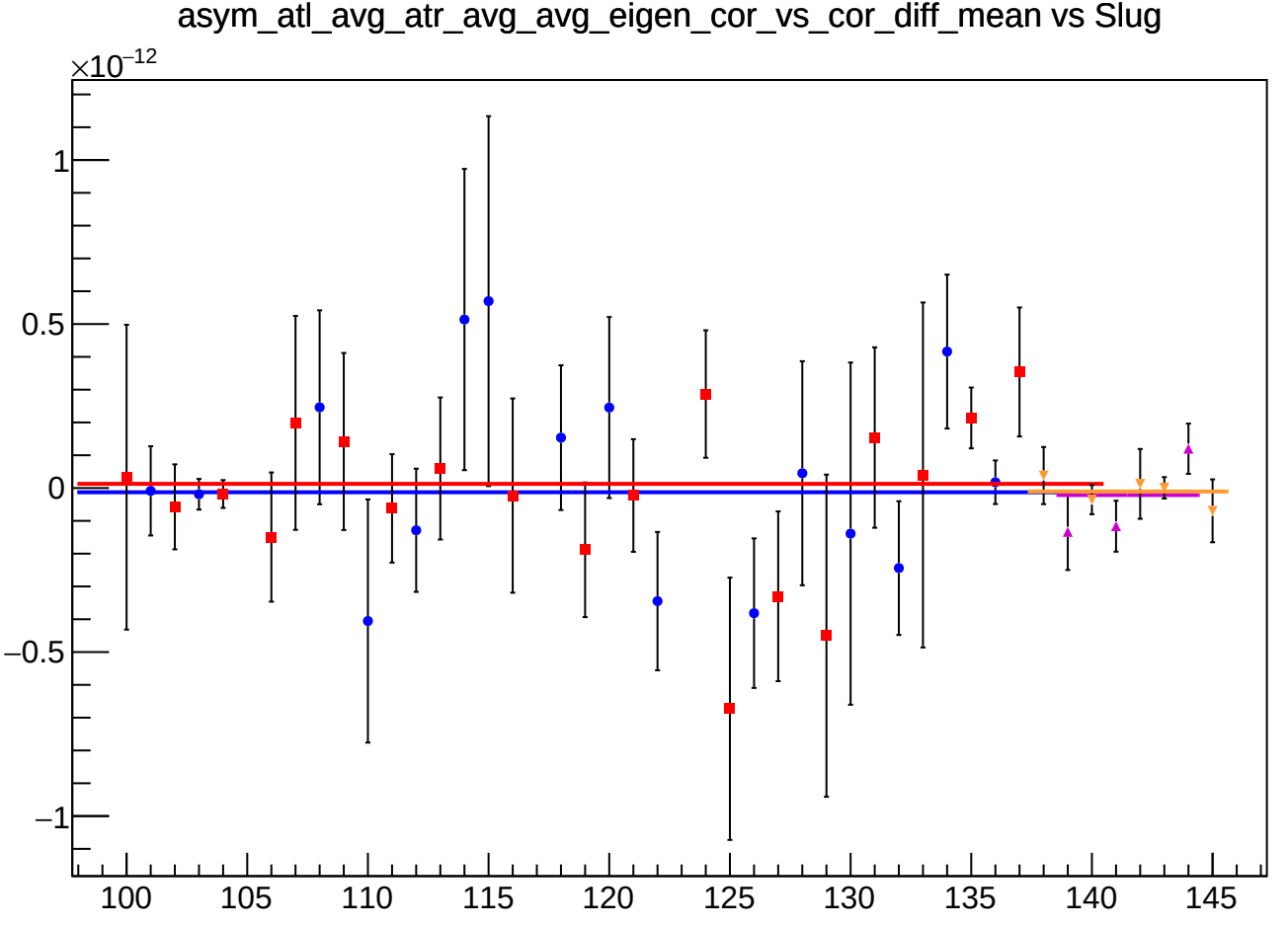
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 315.939+/-0.146 χ^2/NDF:390270.5/2

+ sign 184.671+/-0.045 χ^2/NDF: 4287413.4/20

All: 174.992+/-0.031 χ^2/NDF: 8235001.5/42

- sign 166.209+/-0.043 χ^2/NDF: 3860842.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/4

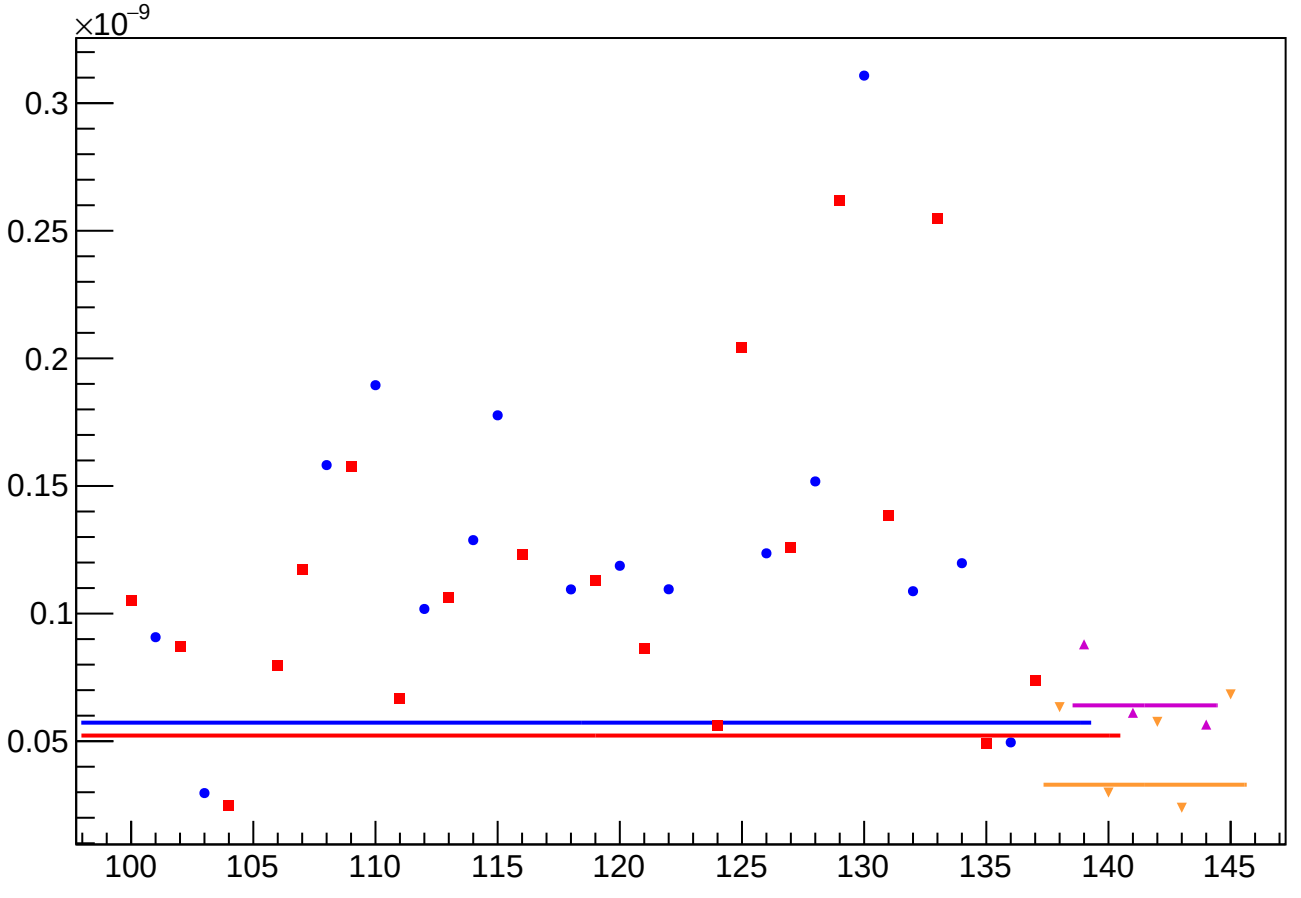
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 17.3/20

All: -0.000+/-0.000 χ^2/NDF: 42.5/42

- sign 0.000+/-0.000 χ^2/NDF: 25.0/21



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

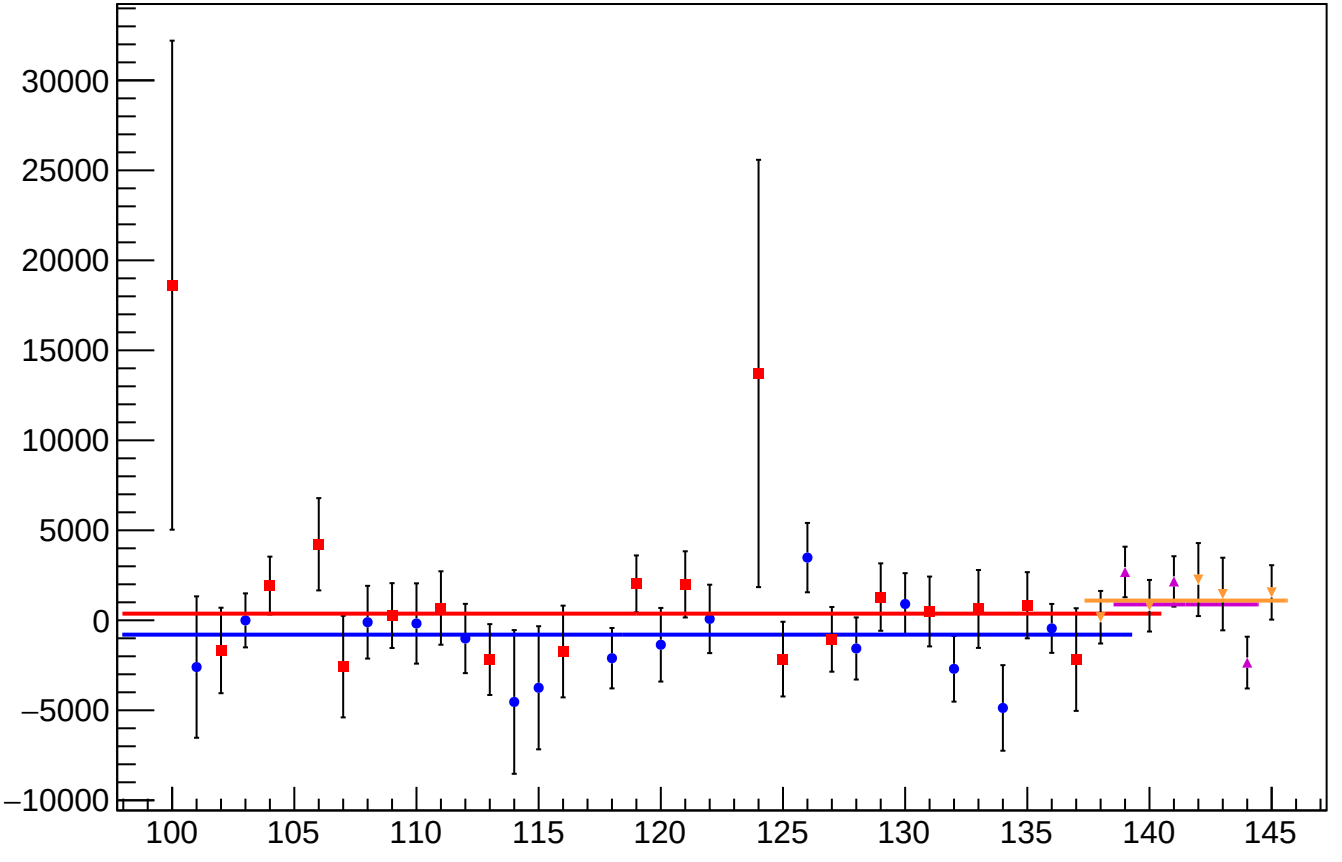
Left In: 0.000+/-0.000 χ^2/NDF:106597.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 4485573.5/20

All: 0.000+/-0.000 χ^2/NDF: 8344810.2/42

- sign 0.000+/-0.000 χ^2/NDF: 3476011.8/21

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

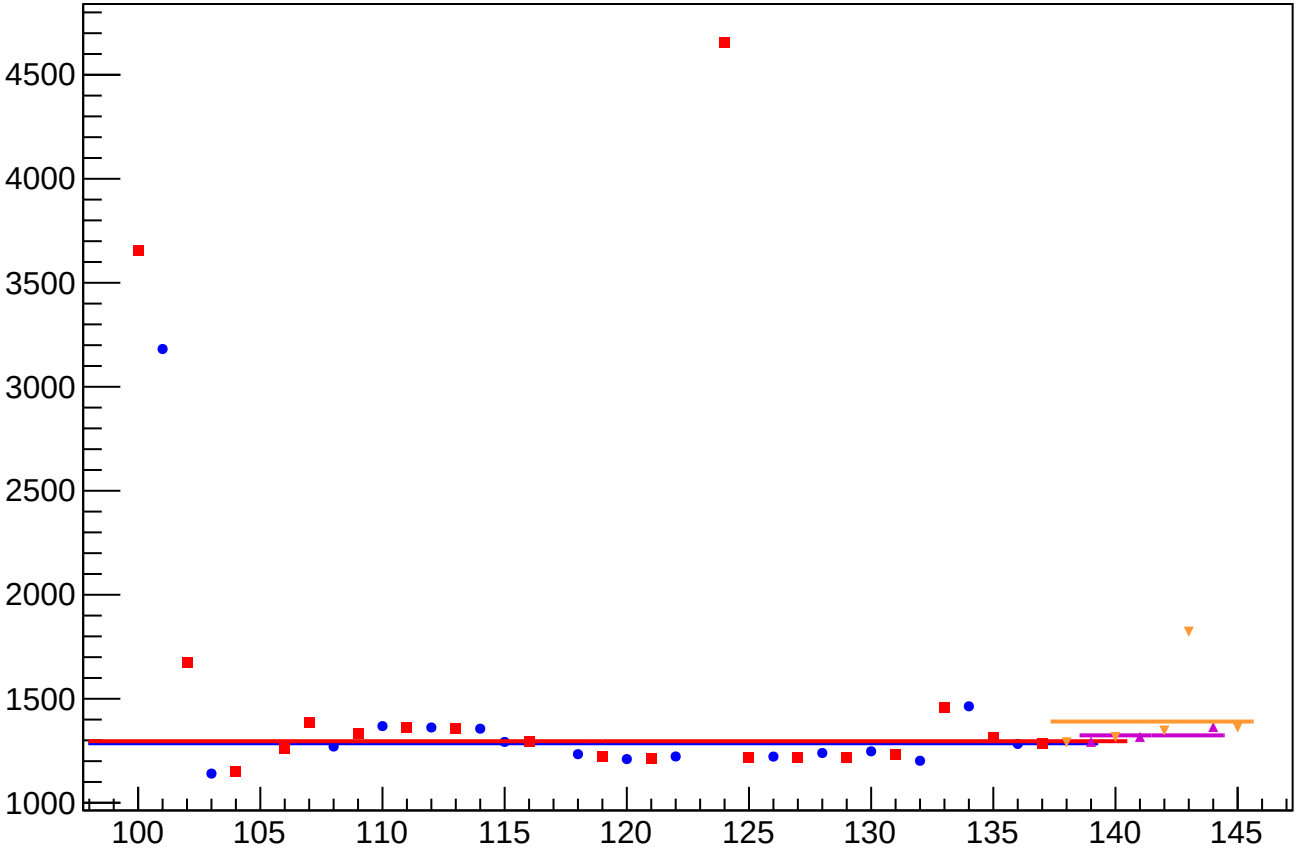
Left In: 883.277+/-816.390 χ^2/NDF:7.5/2

+ sign -212.420+/-405.198 χ^2/NDF: 19.0/20

All: 135.202+/-290.768 χ^2/NDF: 43.9/42

- sign 504.240+/-417.494 χ^2/NDF: 23.4/21

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

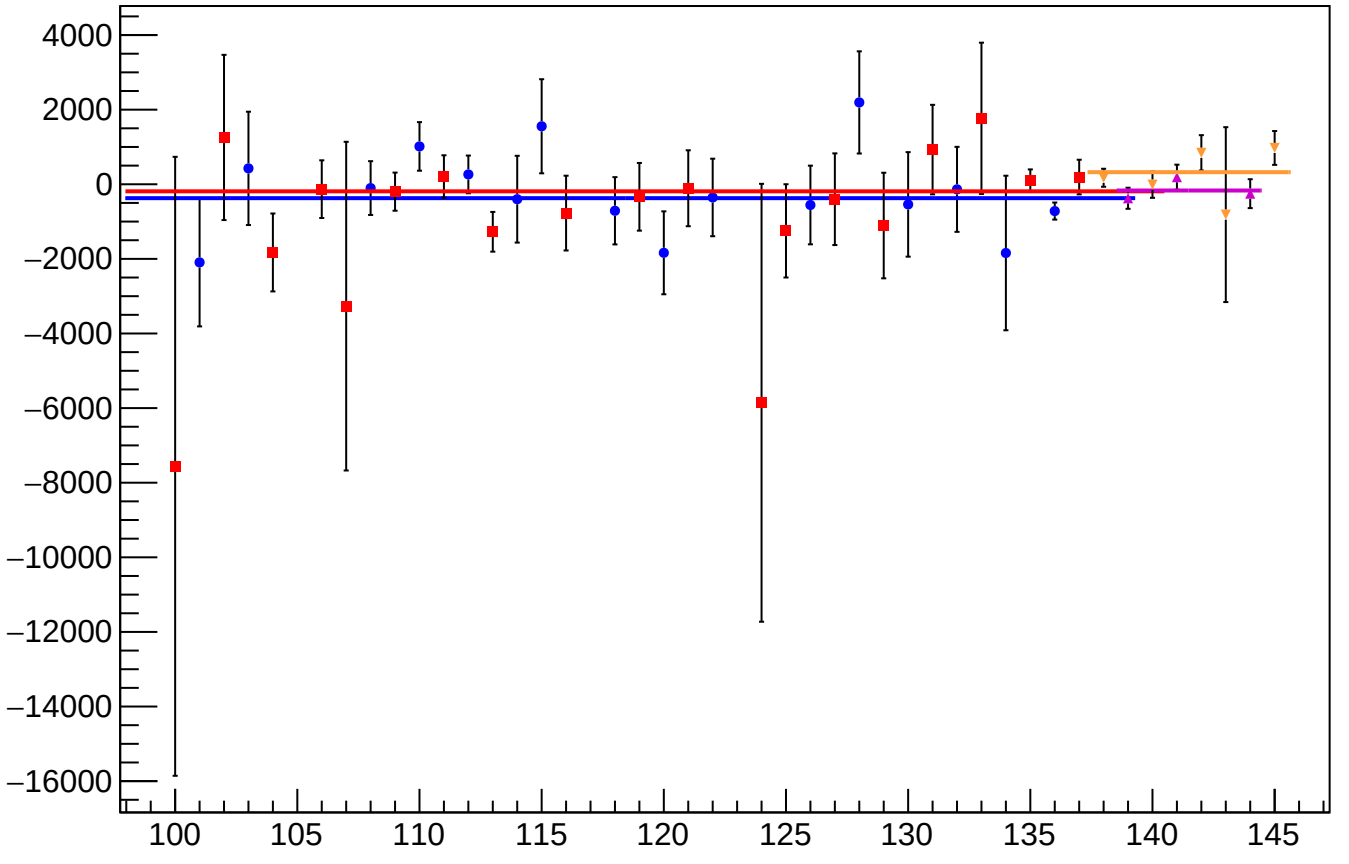
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

+ sign 1318.356+/-0.287 χ^2/NDF: 654574.2/20

All: 1311.050+/-0.206 χ^2/NDF: 988332.0/42

- sign 1303.293+/-0.295 χ^2/NDF: 332417.2/21



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

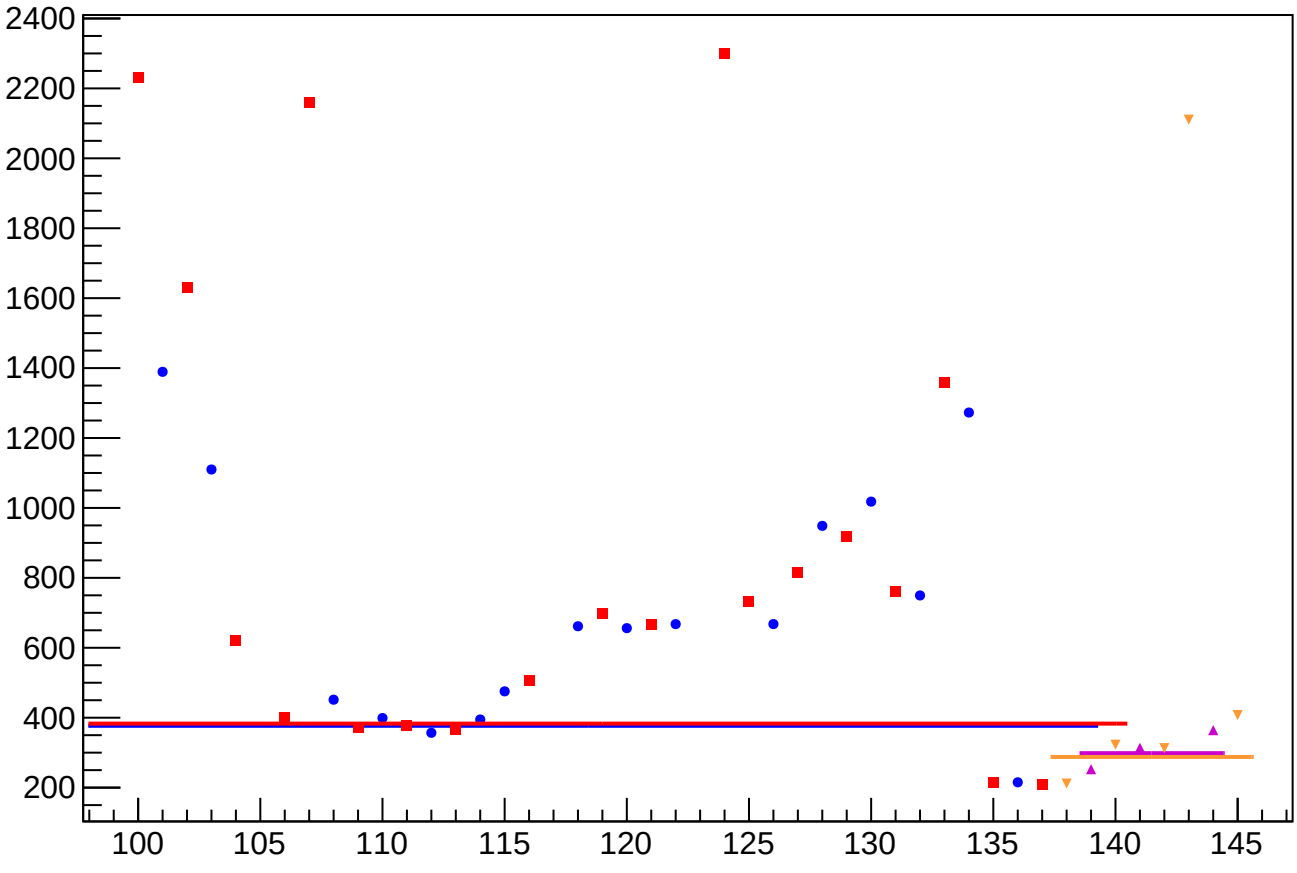
Left In: -167.222+/-188.596 χ^2/NDF:1.7/2

\+ sign -27.314+/-119.502 χ^2/NDF: 31.4/20

All: -99.197+/-86.739 χ^2/NDF: 48.6/42

\- sign -179.234+/-126.098 χ^2/NDF: 16.4/21

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

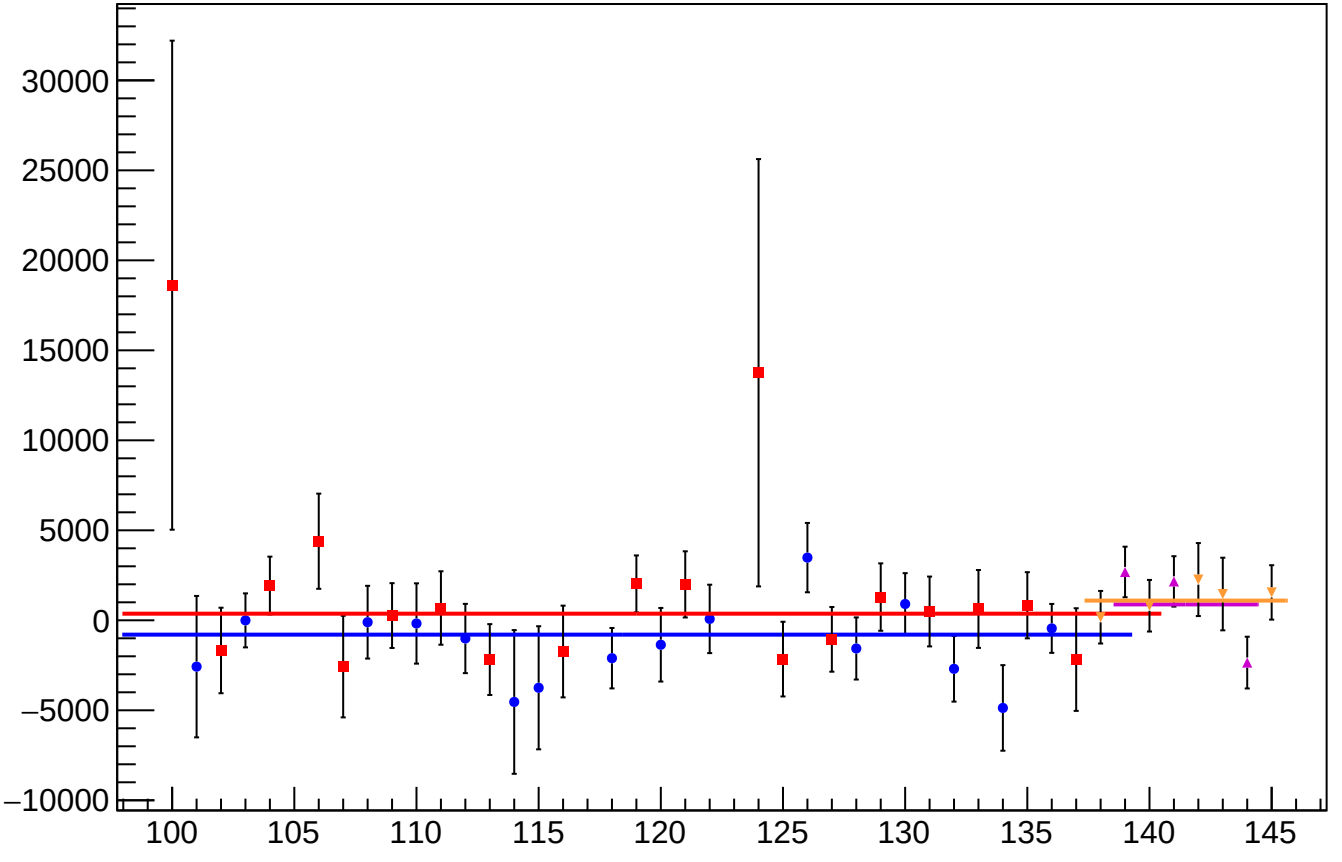
Left In: 298.554+/-0.133 χ^2/NDF:114926.9/2

+ sign 332.736+/-0.085 χ^2/NDF: 6041838.3/20

All: 338.676+/-0.061 χ^2/NDF: 10443440.0/42

- sign 345.290+/-0.089 χ^2/NDF: 4391157.5/21

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

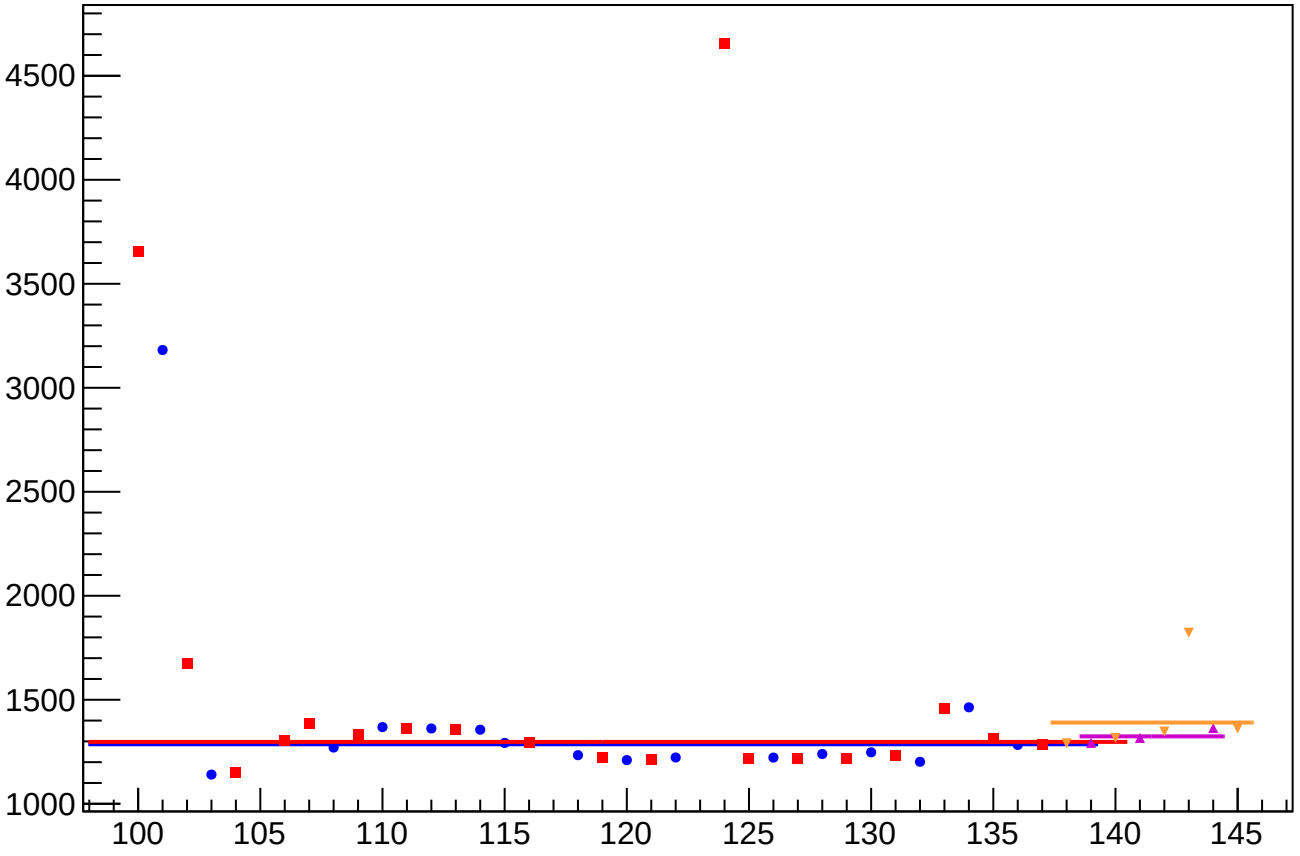
Left In: 883.358+/-816.390 χ^2/NDF:7.5/2

+ sign -212.131+/-405.198 χ^2/NDF: 19.0/20

All: 134.274+/-290.880 χ^2/NDF: 44.0/42

- sign 502.604+/-417.825 χ^2/NDF: 23.5/21

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

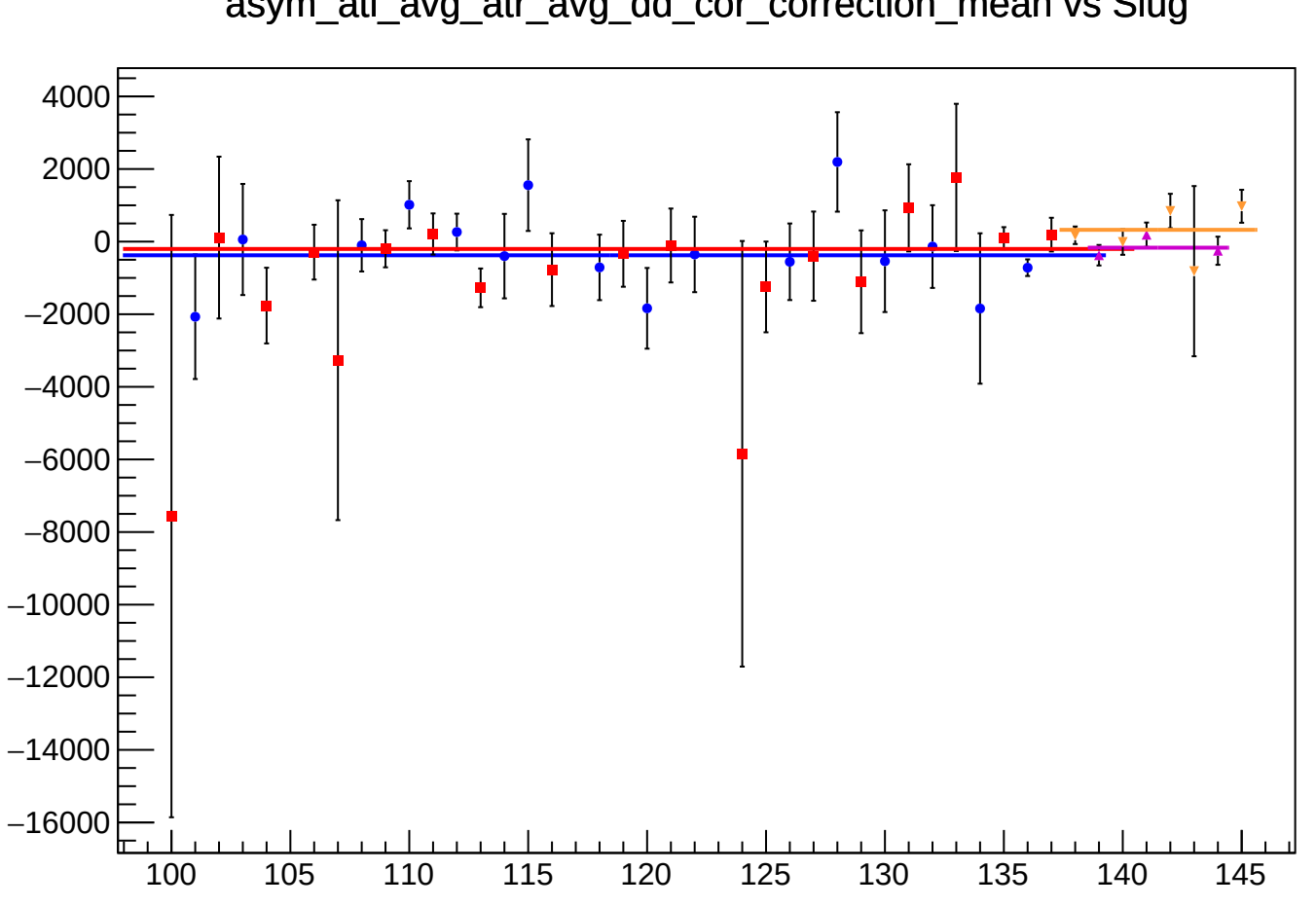
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

+ sign 1318.356+/-0.287 χ^2/NDF: 654575.7/20

All: 1311.580+/-0.206 χ^2/NDF: 987641.6/42

- sign 1304.376+/-0.295 χ^2/NDF: 331912.0/21



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

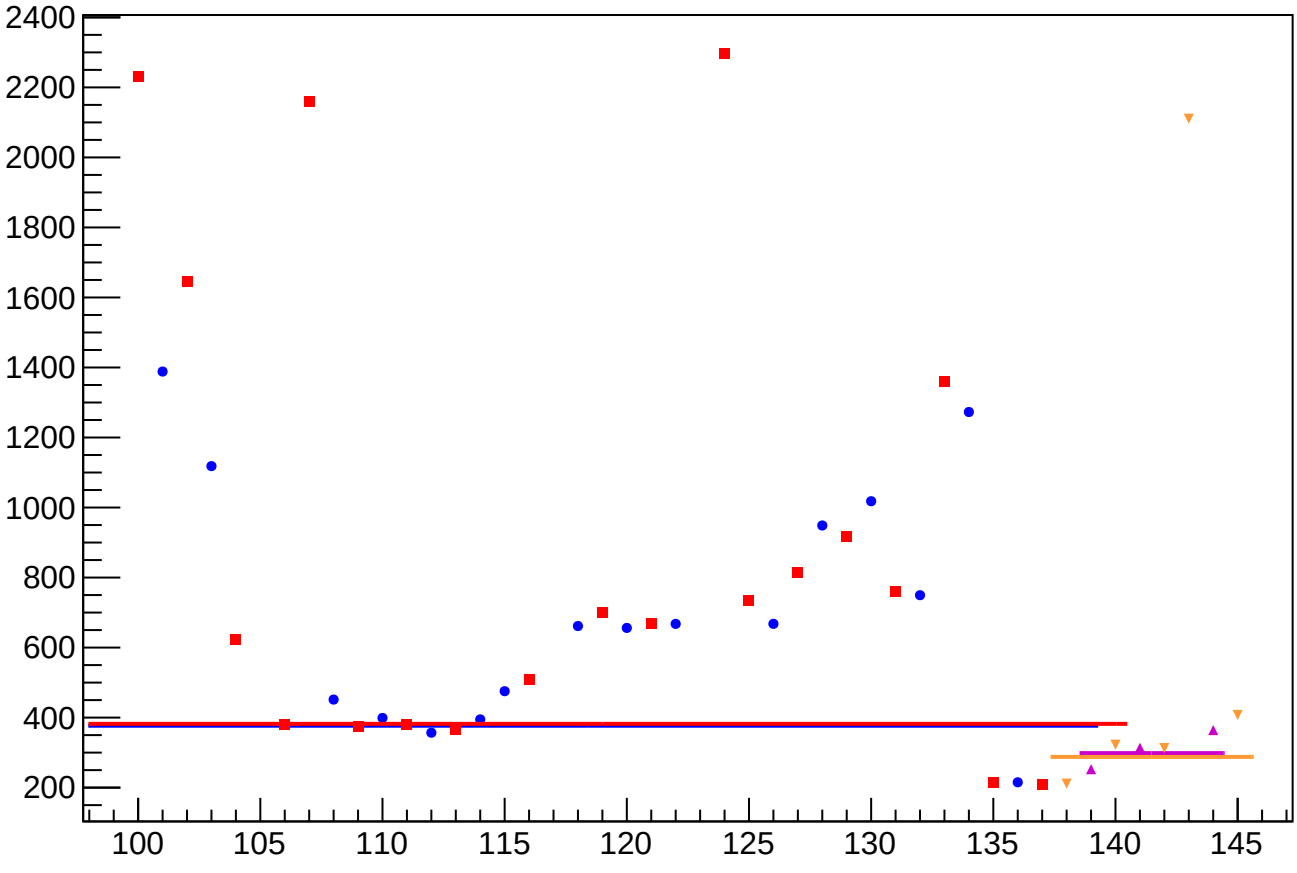
Left In: -167.310+/-188.596 χ^2/NDF:1.7/2

+ sign -29.502+/-119.511 χ^2/NDF: 31.3/20

All: -103.888+/-86.716 χ^2/NDF: 47.9/42

- sign -186.592+/-126.016 χ^2/NDF: 15.8/21

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

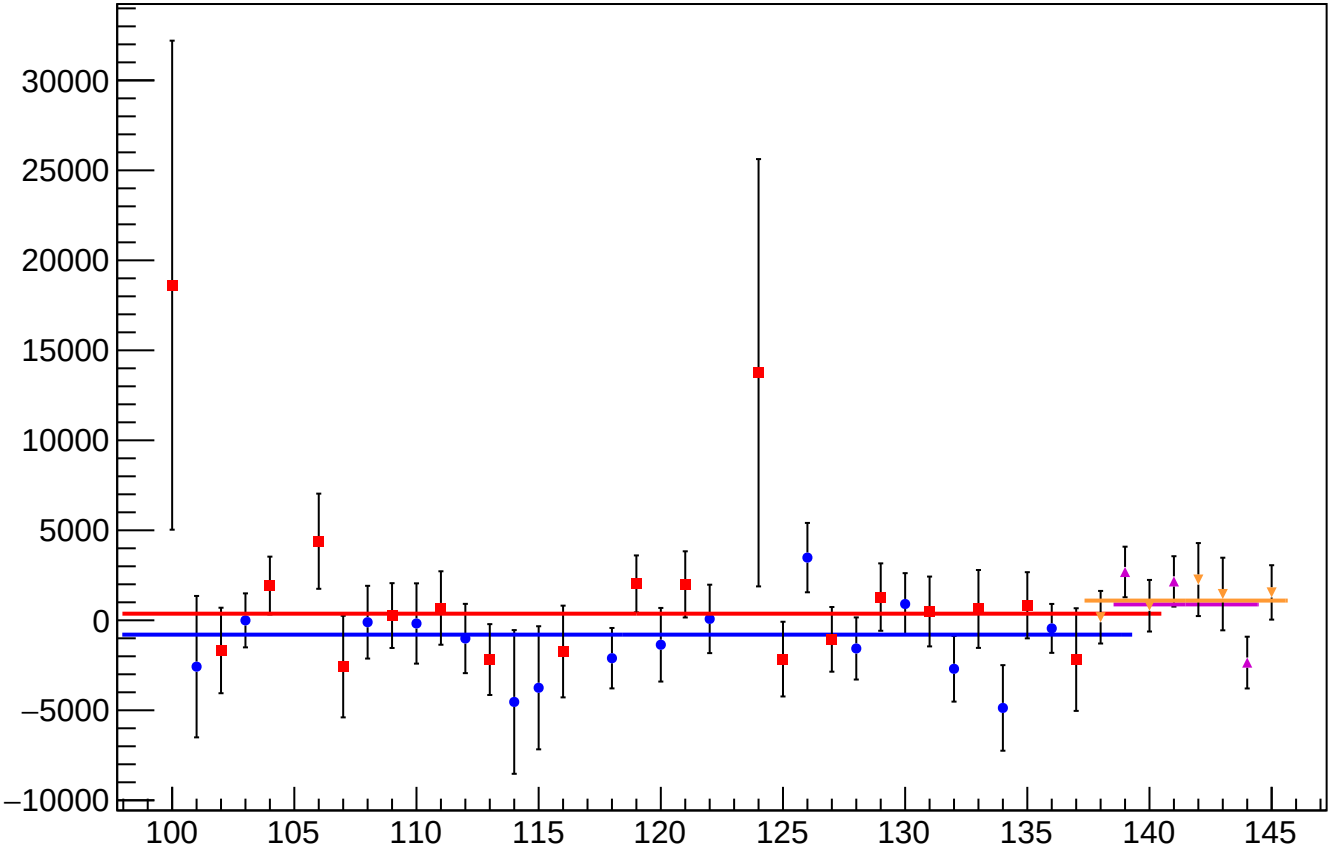
Left In: 298.554+/-0.133 χ^2/NDF:114906.5/2

+ sign 332.734+/-0.085 χ^2/NDF: 6044801.3/20

All: 338.457+/-0.061 χ^2/NDF: 10446430.6/42

- sign 344.819+/-0.089 χ^2/NDF: 4391945.1/21

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

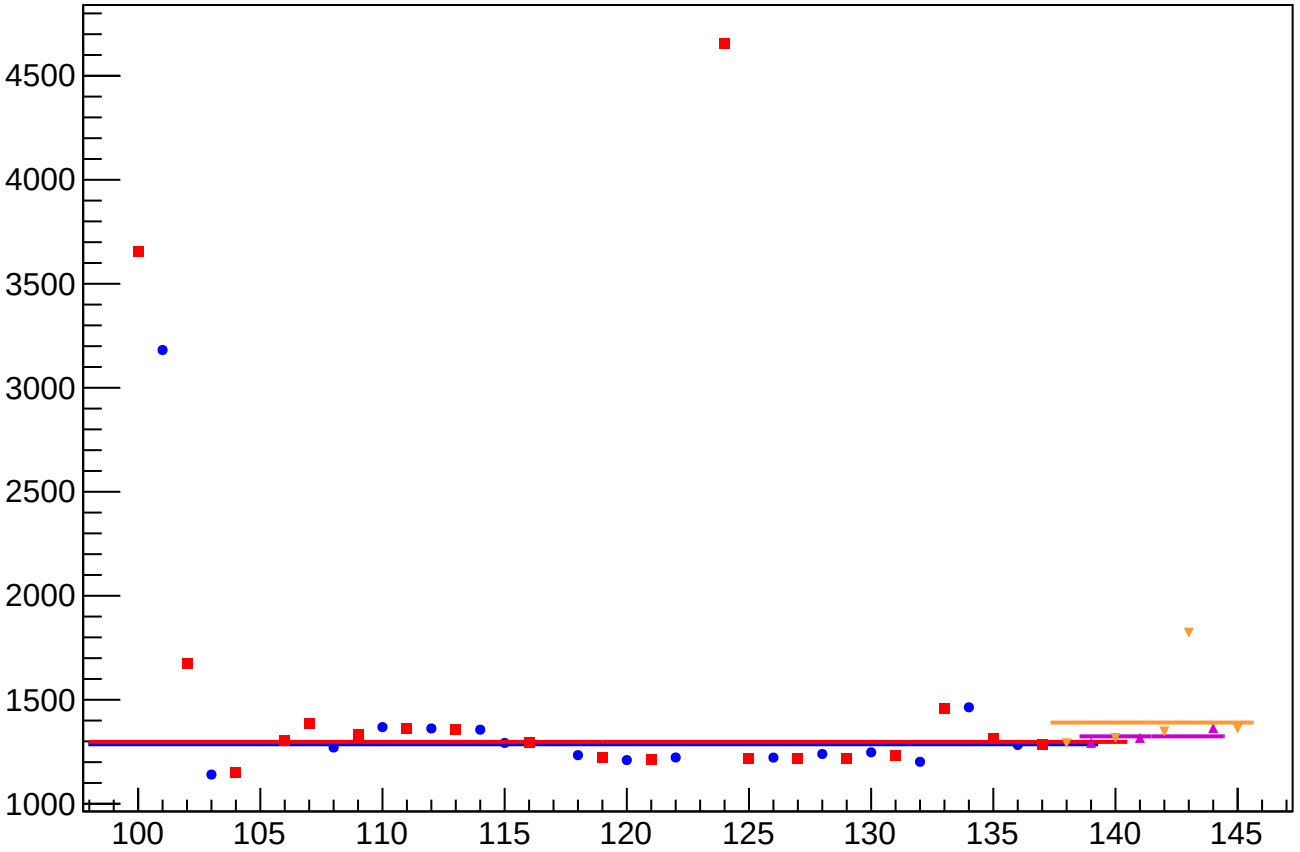
Left In: 883.358+/-816.390 χ^2/NDF:7.5/2

+ sign -212.131+/-405.198 χ^2/NDF: 19.0/20

All: 134.274+/-290.880 χ^2/NDF: 44.0/42

- sign 502.604+/-417.825 χ^2/NDF: 23.5/21

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

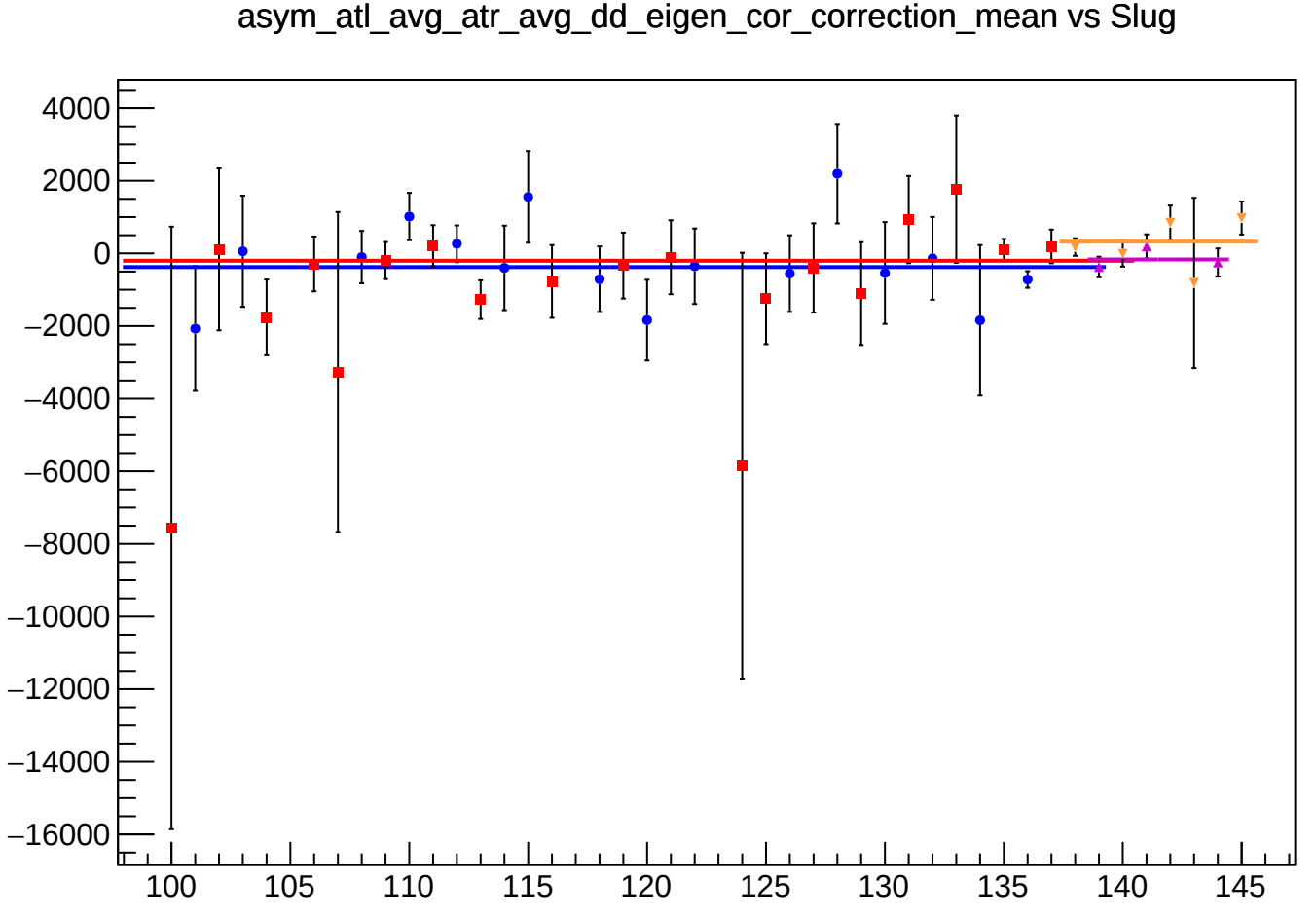
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

+ sign 1318.356+/-0.287 χ^2/NDF: 654575.7/20

All: 1311.580+/-0.206 χ^2/NDF: 987641.6/42

- sign 1304.376+/-0.295 χ^2/NDF: 331912.0/21



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 324.380+/-169.817 χ^2/NDF:4.8/4

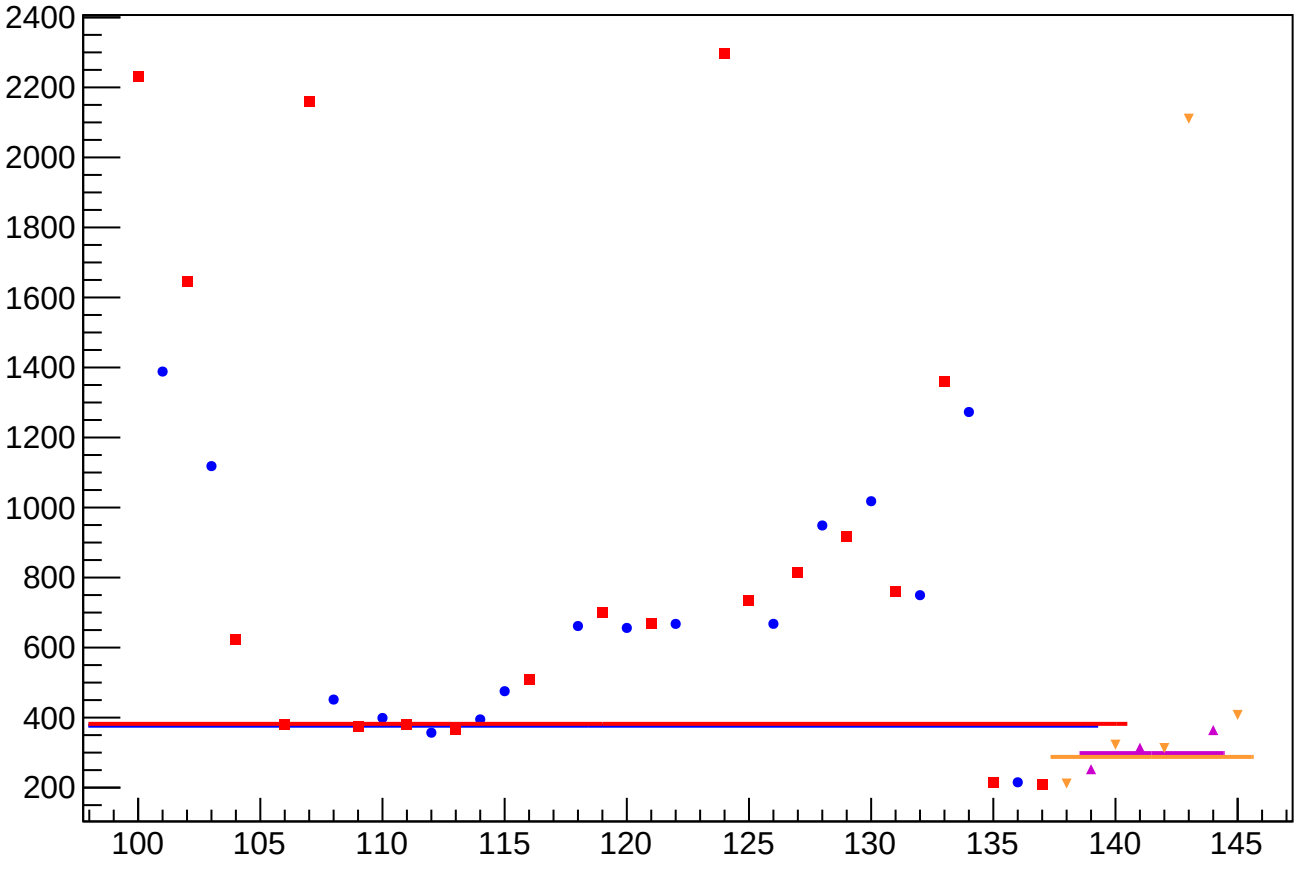
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -167.310+/-188.596 χ^2/NDF:1.7/2

+ sign -29.502+/-119.511 χ^2/NDF: 31.3/20

All: -103.888+/-86.716 χ^2/NDF: 47.9/42

- sign -186.592+/-126.016 χ^2/NDF: 15.8/21



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

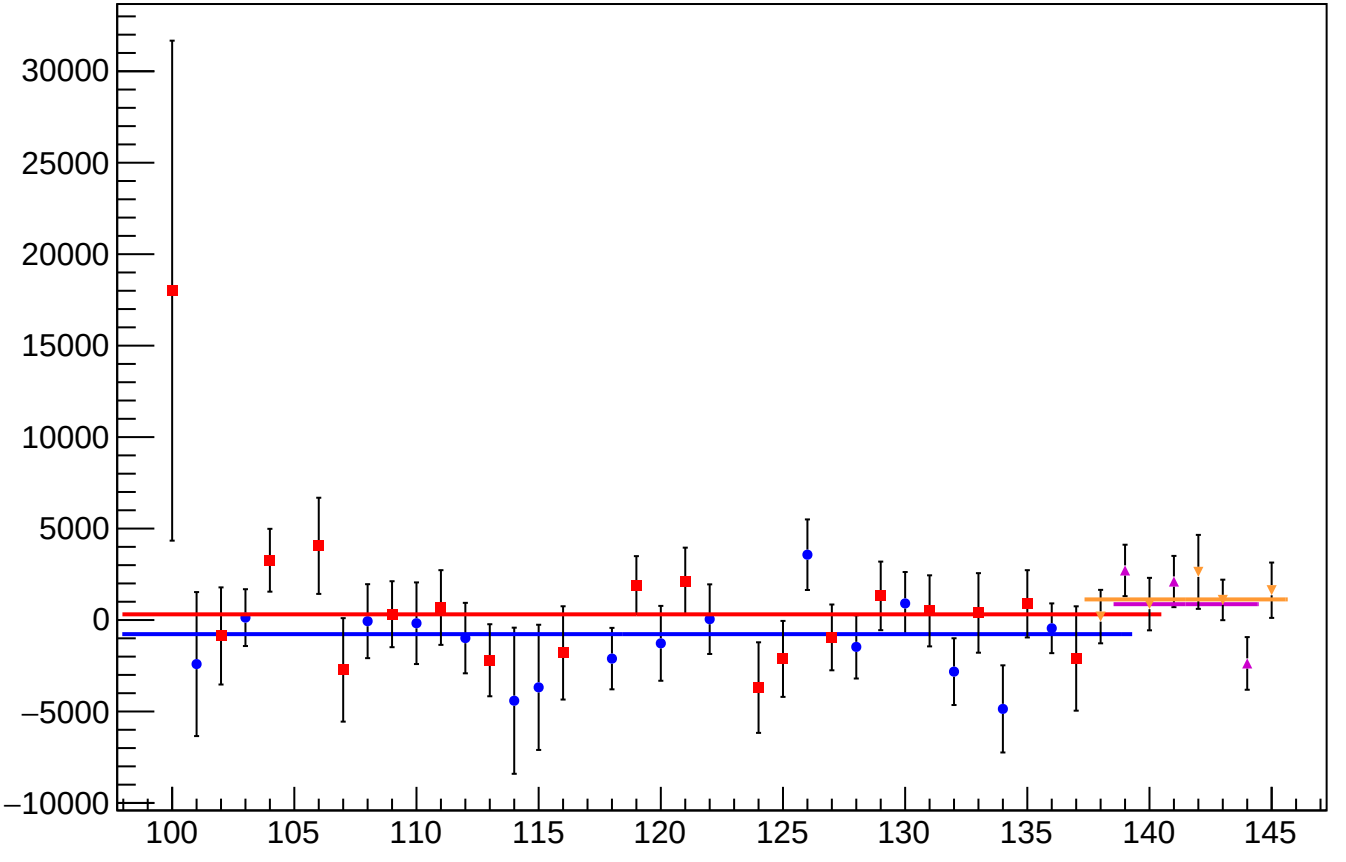
Left In: 298.554+/-0.133 χ^2/NDF:114906.5/2

+ sign 332.734+/-0.085 χ^2/NDF: 6044801.3/20

All: 338.457+/-0.061 χ^2/NDF: 10446430.6/42

- sign 344.819+/-0.089 χ^2/NDF: 4391945.1/21

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

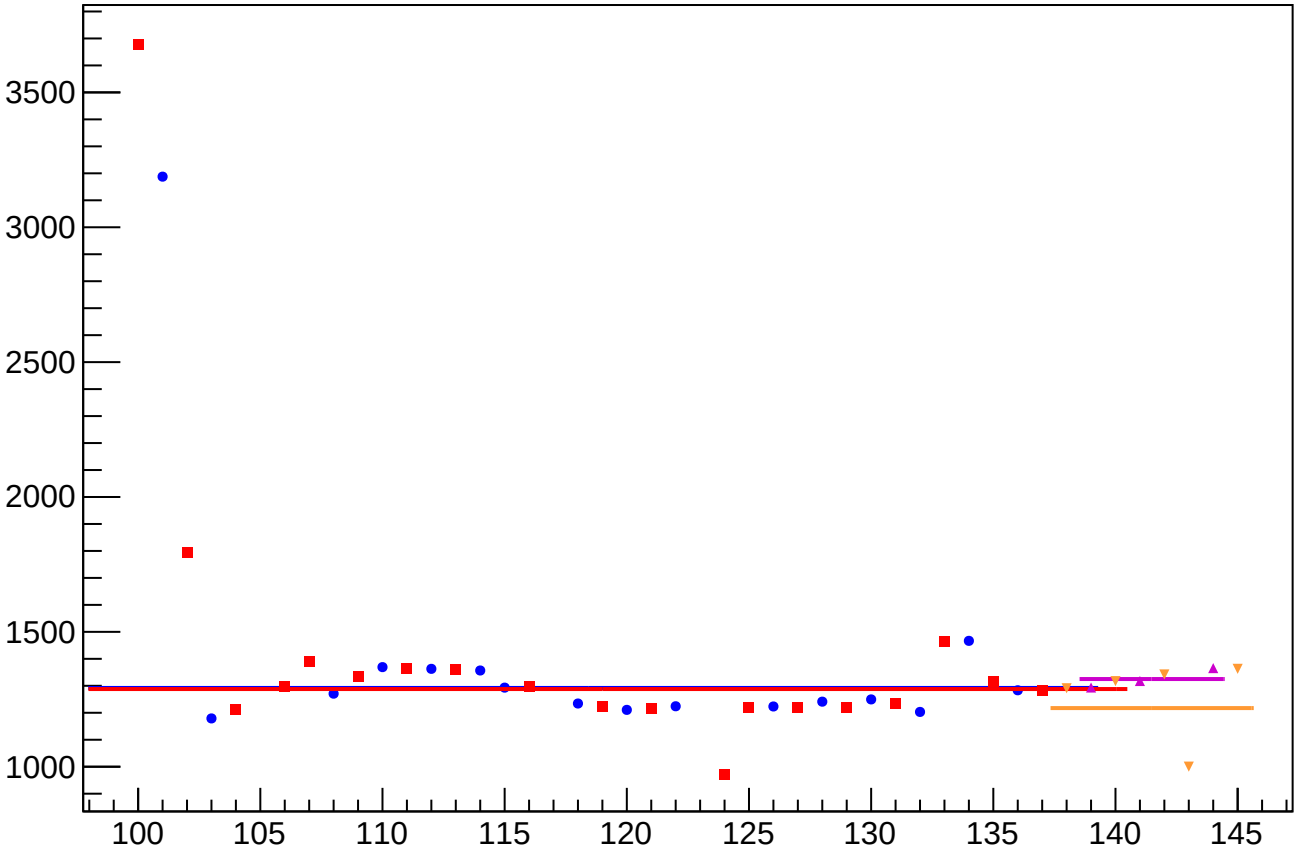
Left In: 866.349+/-817.034 χ^2/NDF:7.6/2

+ sign -68.666+/-388.558 χ^2/NDF: 20.3/20

All: 175.593+/-283.816 χ^2/NDF: 47.0/42

- sign 454.971+/-415.553 χ^2/NDF: 25.8/21

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

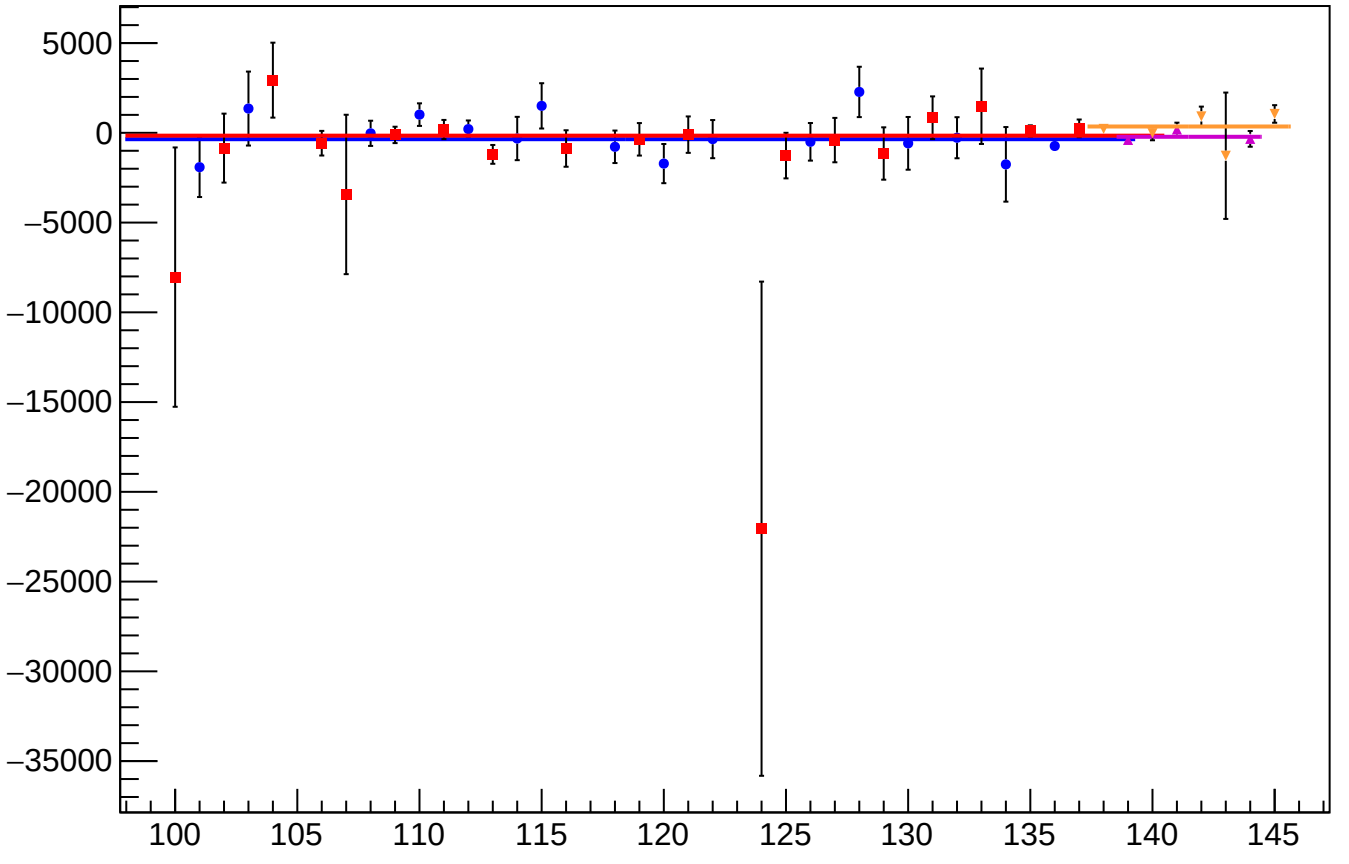
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1325.081+/-0.578 χ^2/NDF:2633.4/2

+ sign 1264.402+/-0.275 χ^2/NDF: 644389.4/20

All: 1279.880+/-0.201 χ^2/NDF: 866091.0/42

- sign 1297.584+/-0.294 χ^2/NDF: 214898.0/21



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 352.458+/-179.843 χ^2/NDF:4.5/4

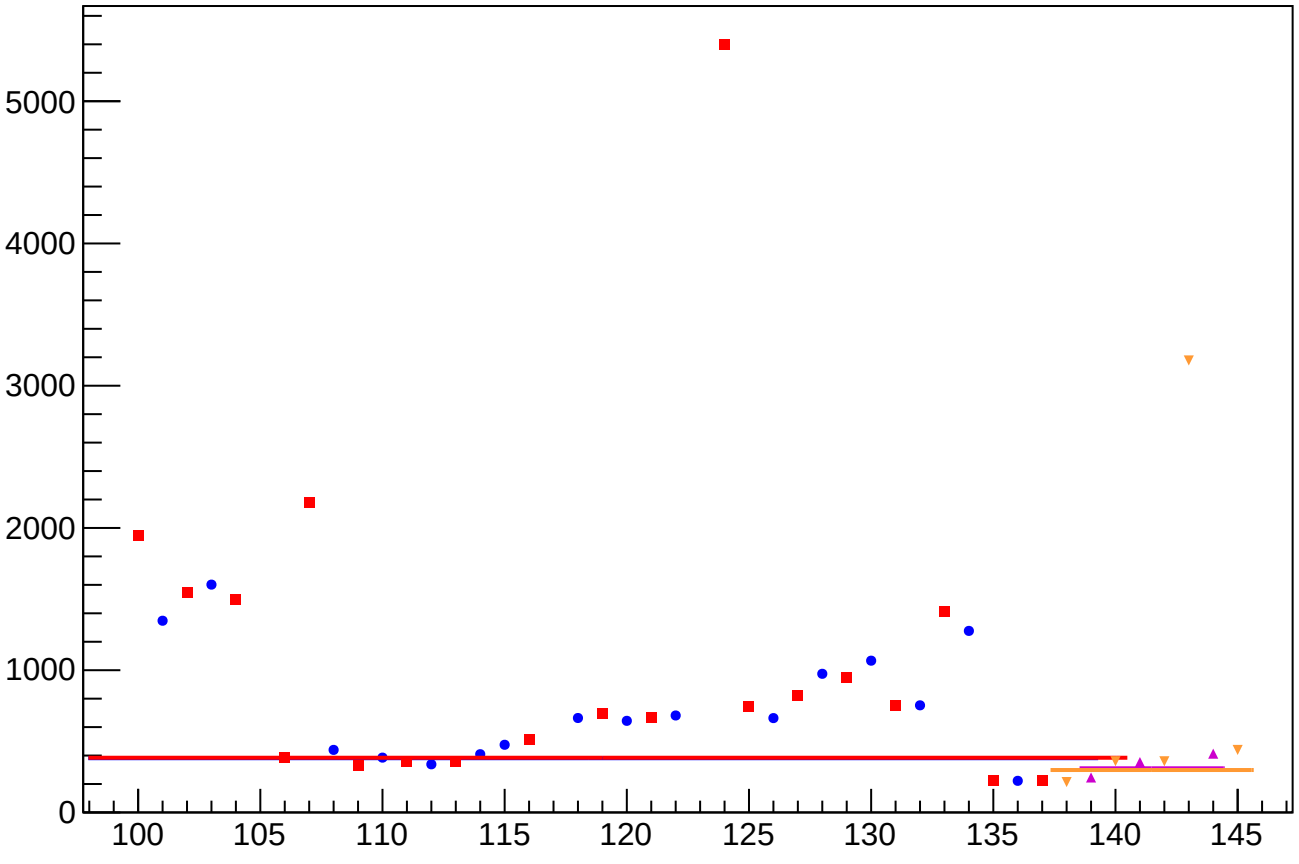
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -221.121+/-199.020 χ^2/NDF:1.6/2

+ sign -21.341+/-123.530 χ^2/NDF: 31.1/20

All: -99.326+/-89.258 χ^2/NDF: 49.5/42

- sign -184.522+/-129.115 χ^2/NDF: 17.5/21



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

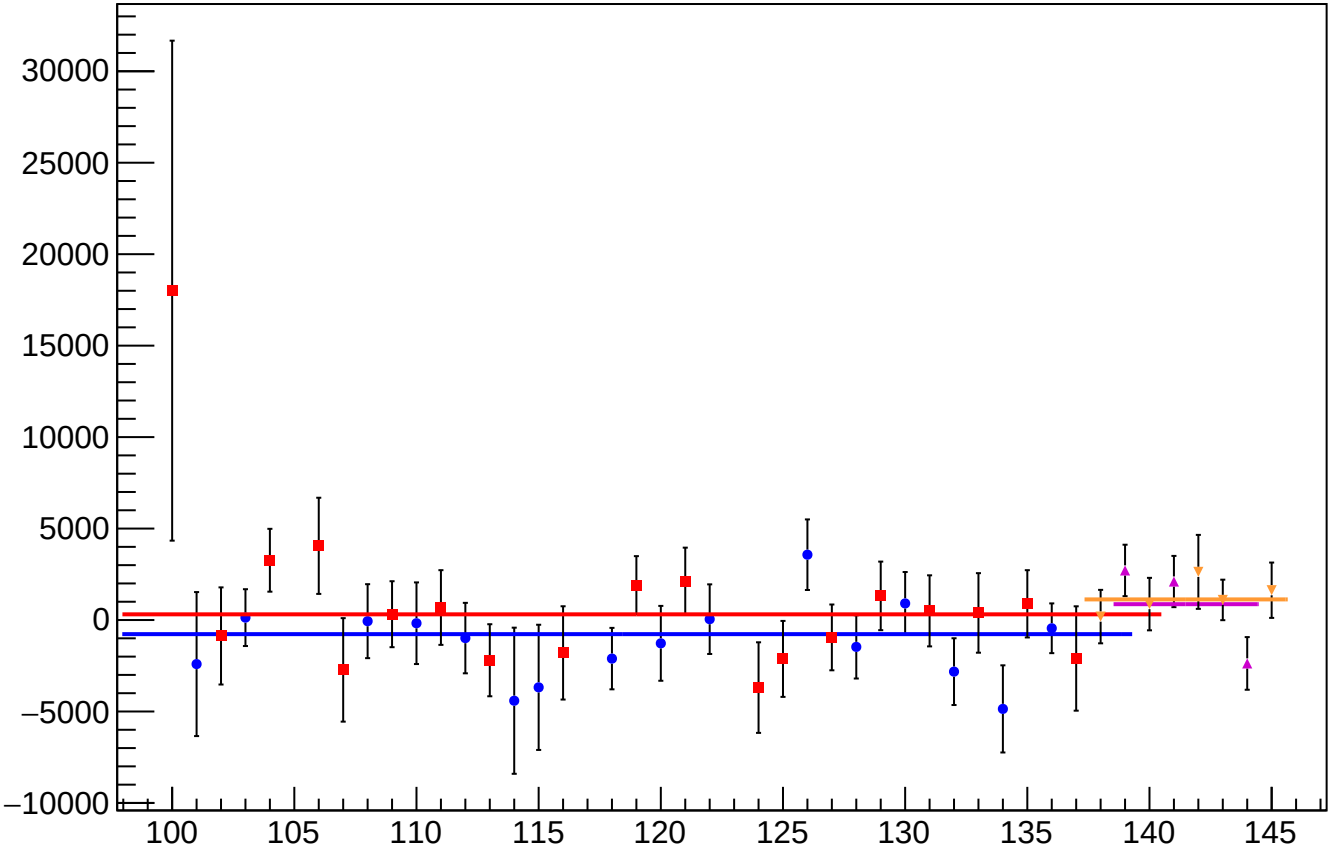
Left In: 310.495+/-0.141 χ^2/NDF:245603.0/2

+ sign 342.172+/-0.087 χ^2/NDF: 6364182.6/20

All: 347.557+/-0.063 χ^2/NDF: 11338748.2/42

- sign 353.440+/-0.091 χ^2/NDF: 4966612.7/21

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1127.187+/-638.641 χ^2/NDF:1.1/4

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

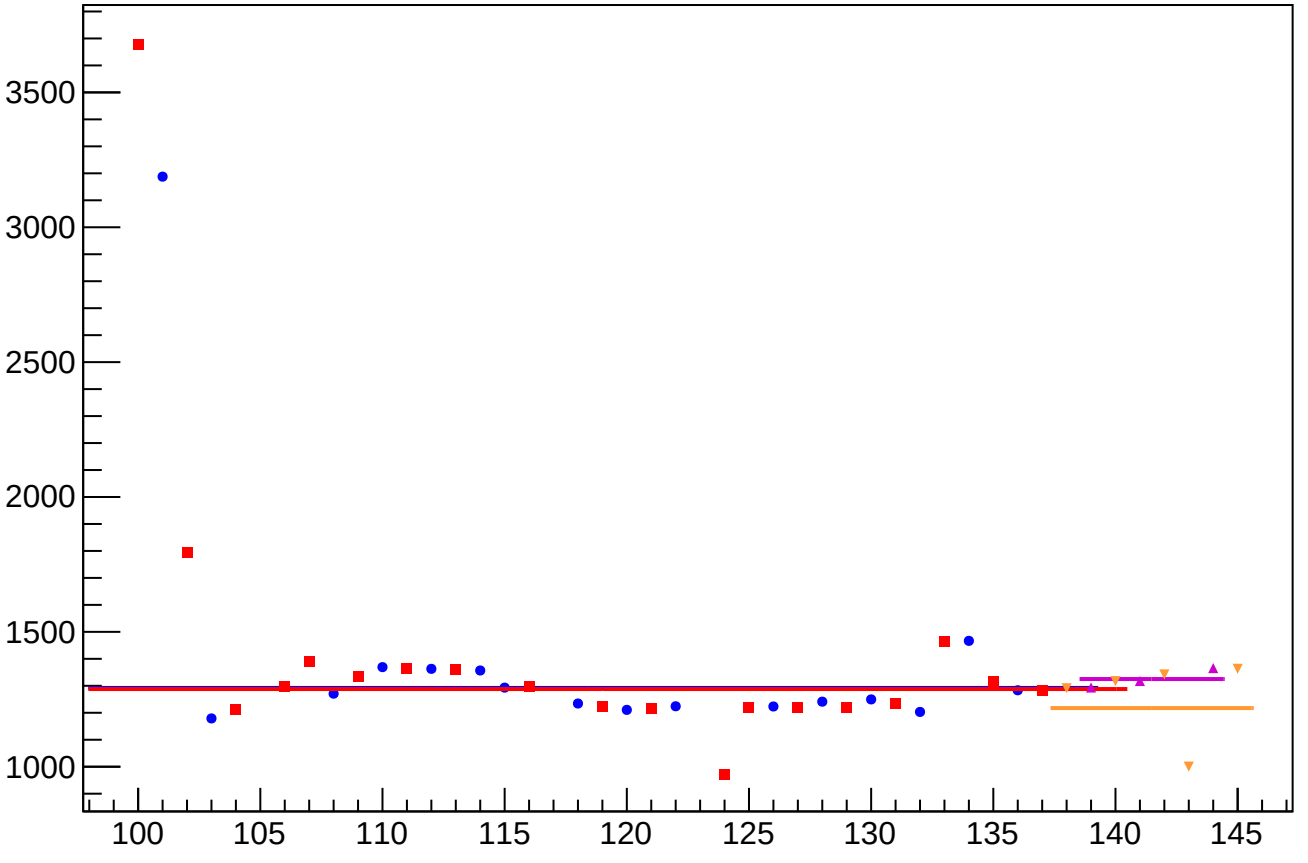
Left In: 866.341+/-817.034 χ^2/NDF:7.6/2

+ sign -68.668+/-388.558 χ^2/NDF: 20.3/20

All: 175.591+/-283.816 χ^2/NDF: 47.0/42

- sign 454.970+/-415.553 χ^2/NDF: 25.8/21

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

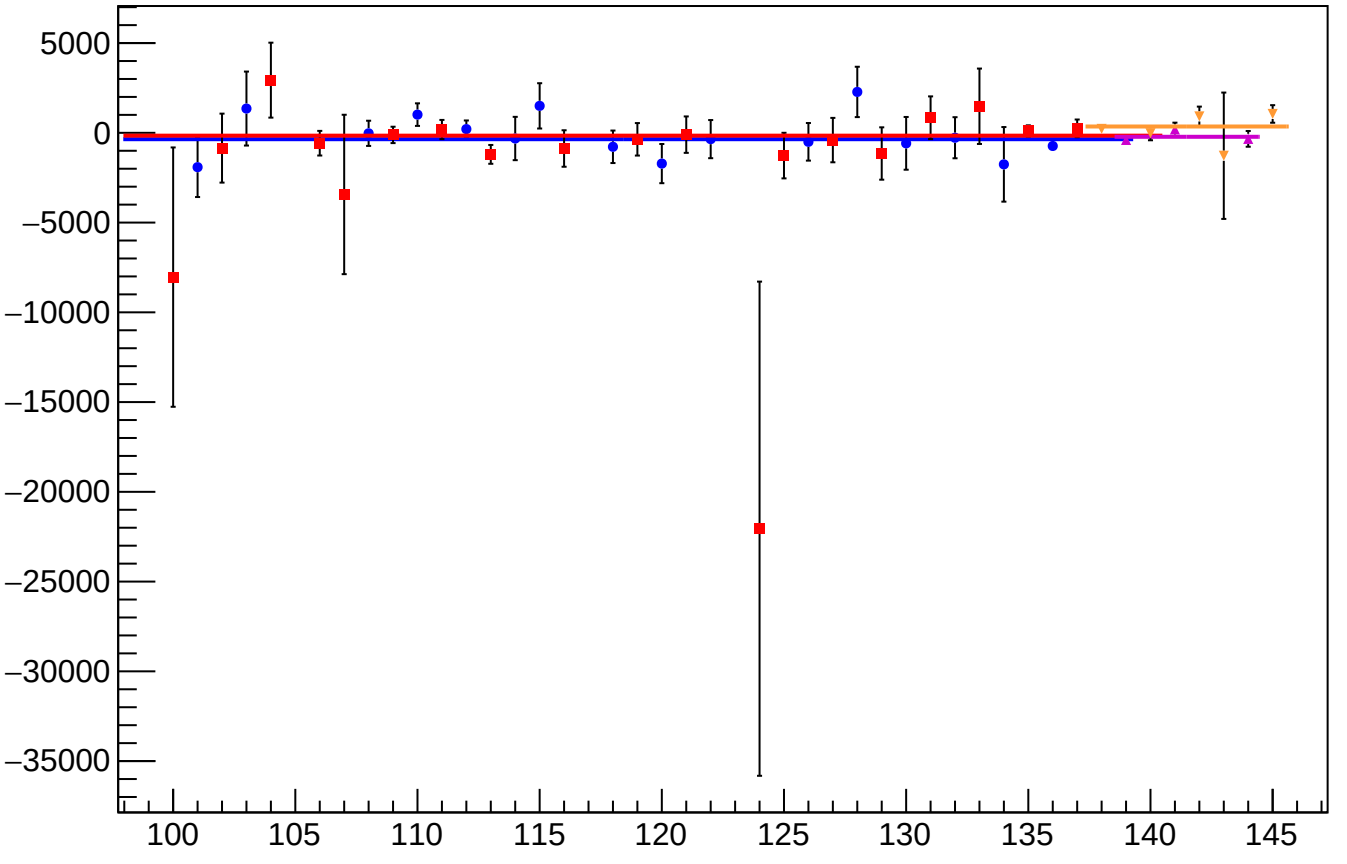
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1325.081+/-0.578 χ^2/NDF:2633.4/2

+ sign 1264.402+/-0.275 χ^2/NDF: 644388.5/20

All: 1279.880+/-0.201 χ^2/NDF: 866090.2/42

- sign 1297.584+/-0.294 χ^2/NDF: 214898.3/21



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 352.476+/-179.850 χ^2/NDF:4.5/4

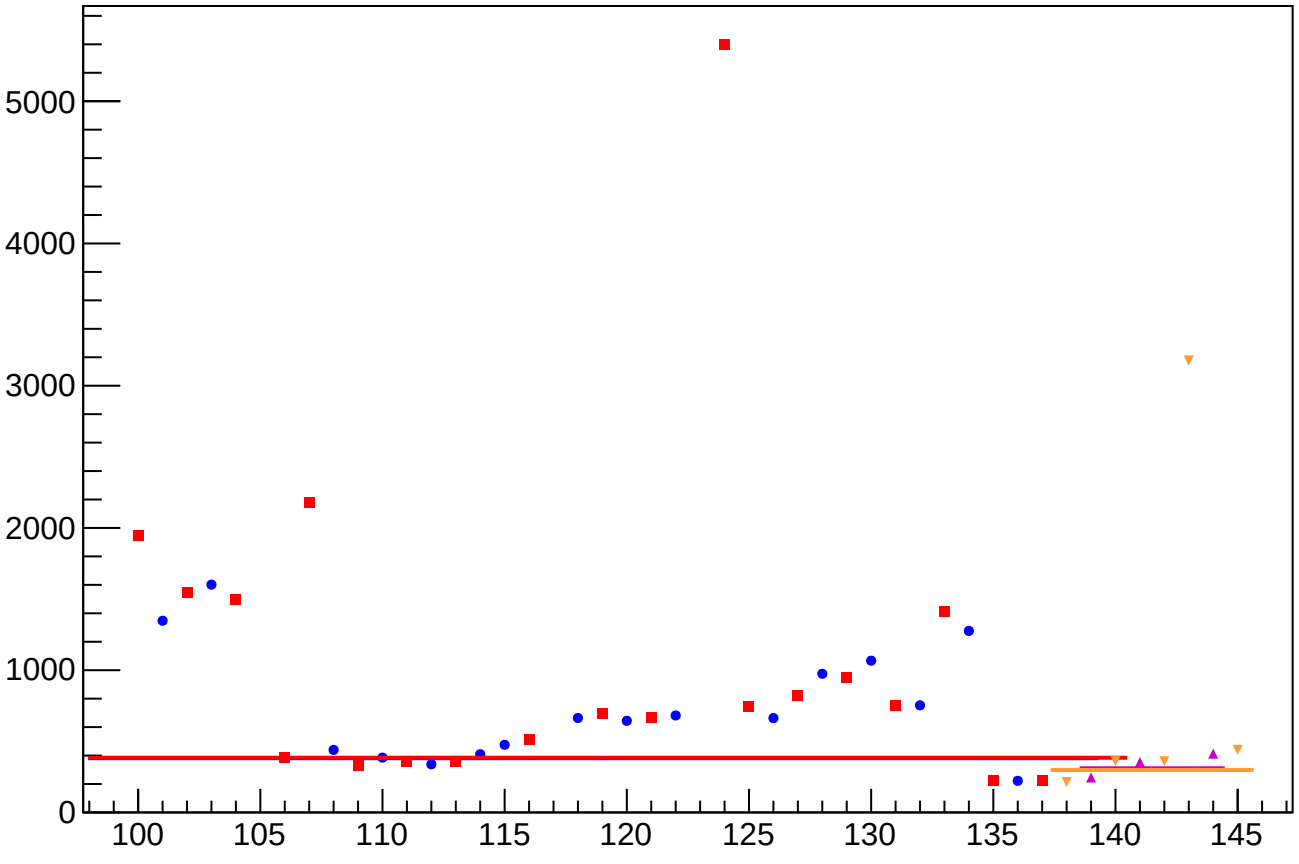
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -221.125+/-199.027 χ^2/NDF:1.6/2

\+ sign -21.340+/-123.533 χ^2/NDF: 31.1/20

All: -99.328+/-89.260 χ^2/NDF: 49.5/42

\- sign -184.526+/-129.118 χ^2/NDF: 17.5/21



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

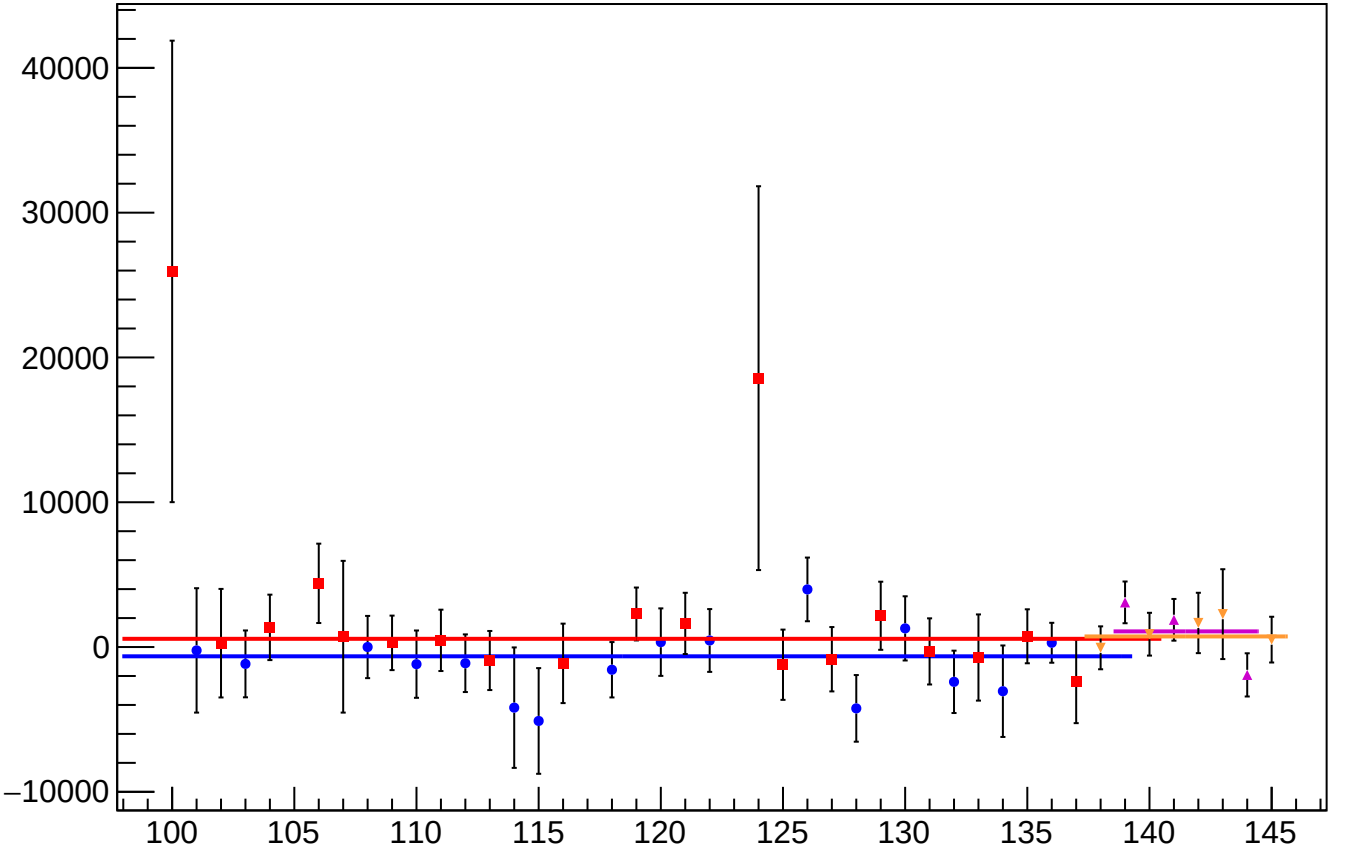
Left In: 310.509+/-0.141 χ^2/NDF:245546.3/2

+ sign 342.185+/-0.087 χ^2/NDF: 6363867.4/20

All: 347.569+/-0.063 χ^2/NDF: 11338201.8/42

- sign 353.451+/-0.091 χ^2/NDF: 4966384.3/21

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

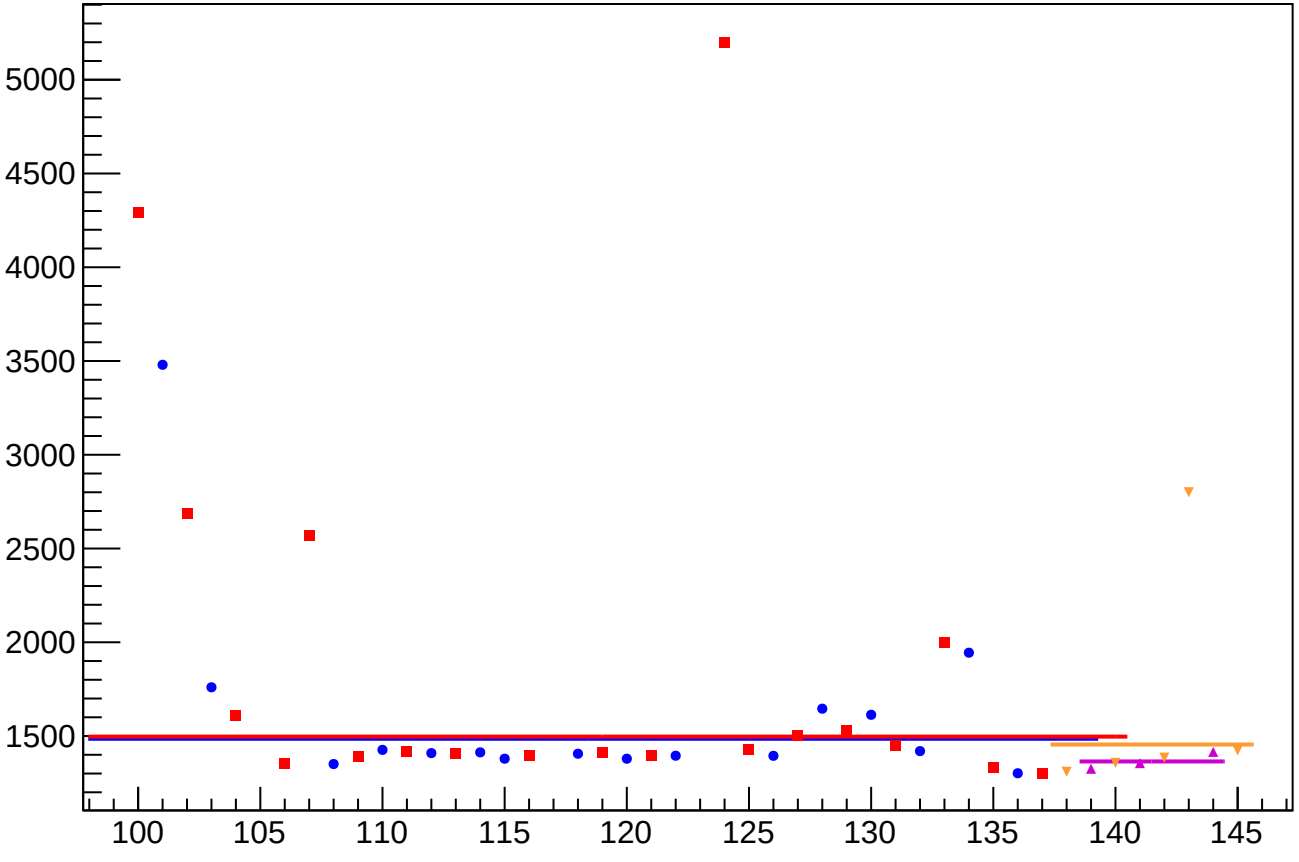
Left In: 1080.724+/-841.469 χ^2/NDF:6.3/2

+ sign -168.568+/-457.023 χ^2/NDF: 15.3/20

All: 266.844+/-327.685 χ^2/NDF: 35.0/42

- sign 727.502+/-470.085 χ^2/NDF: 17.9/21

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

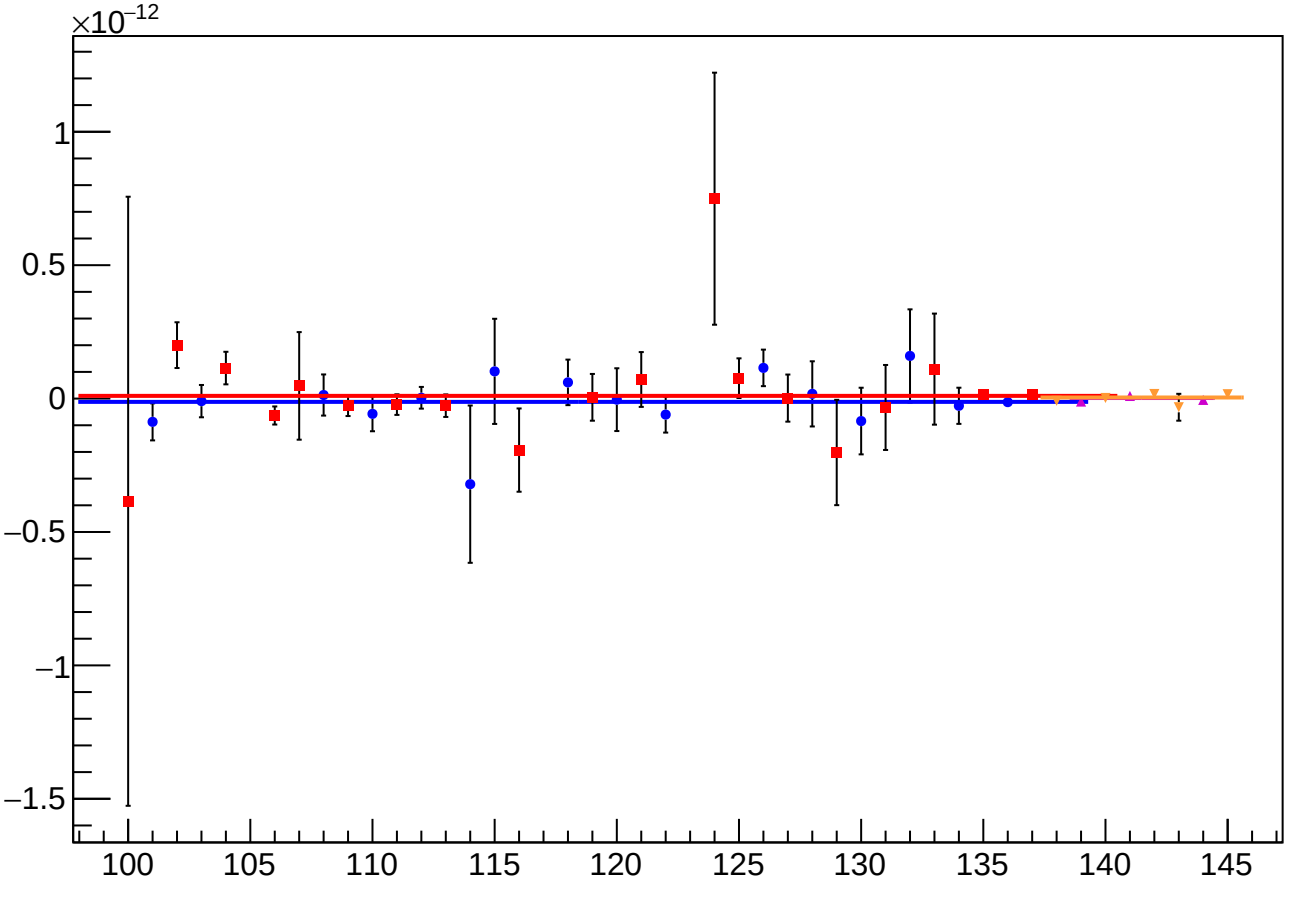
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1364.434+/-0.595 χ^2/NDF:3888.0/2

+ sign 1474.819+/-0.323 χ^2/NDF: 993526.5/20

All: 1465.449+/-0.232 χ^2/NDF: 1656514.8/42

- sign 1455.536+/-0.332 χ^2/NDF: 661258.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/4

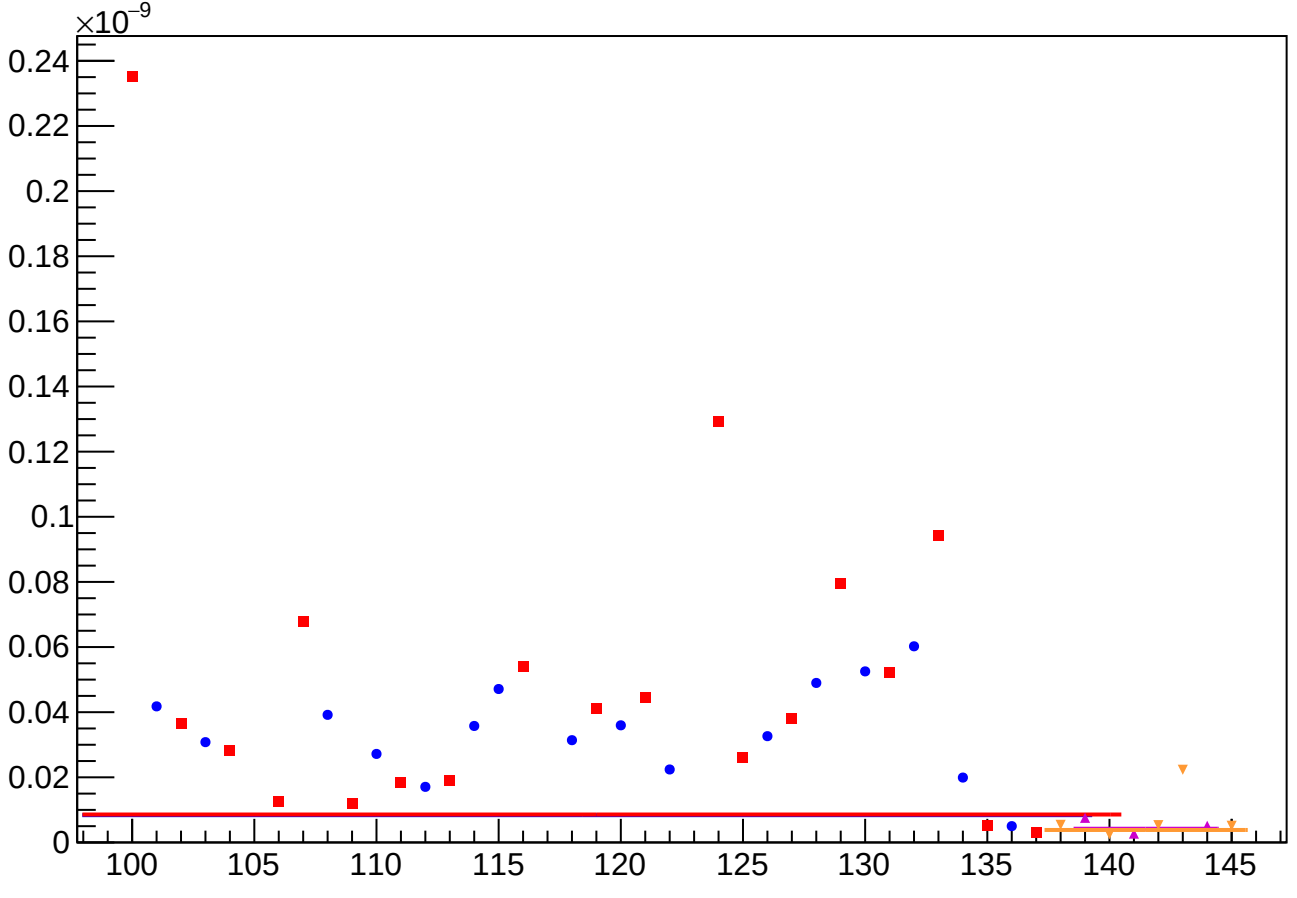
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 19.4/20

All: 0.000+/-0.000 χ^2/NDF: 46.9/42

- sign 0.000+/-0.000 χ^2/NDF: 27.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:562090.0/4

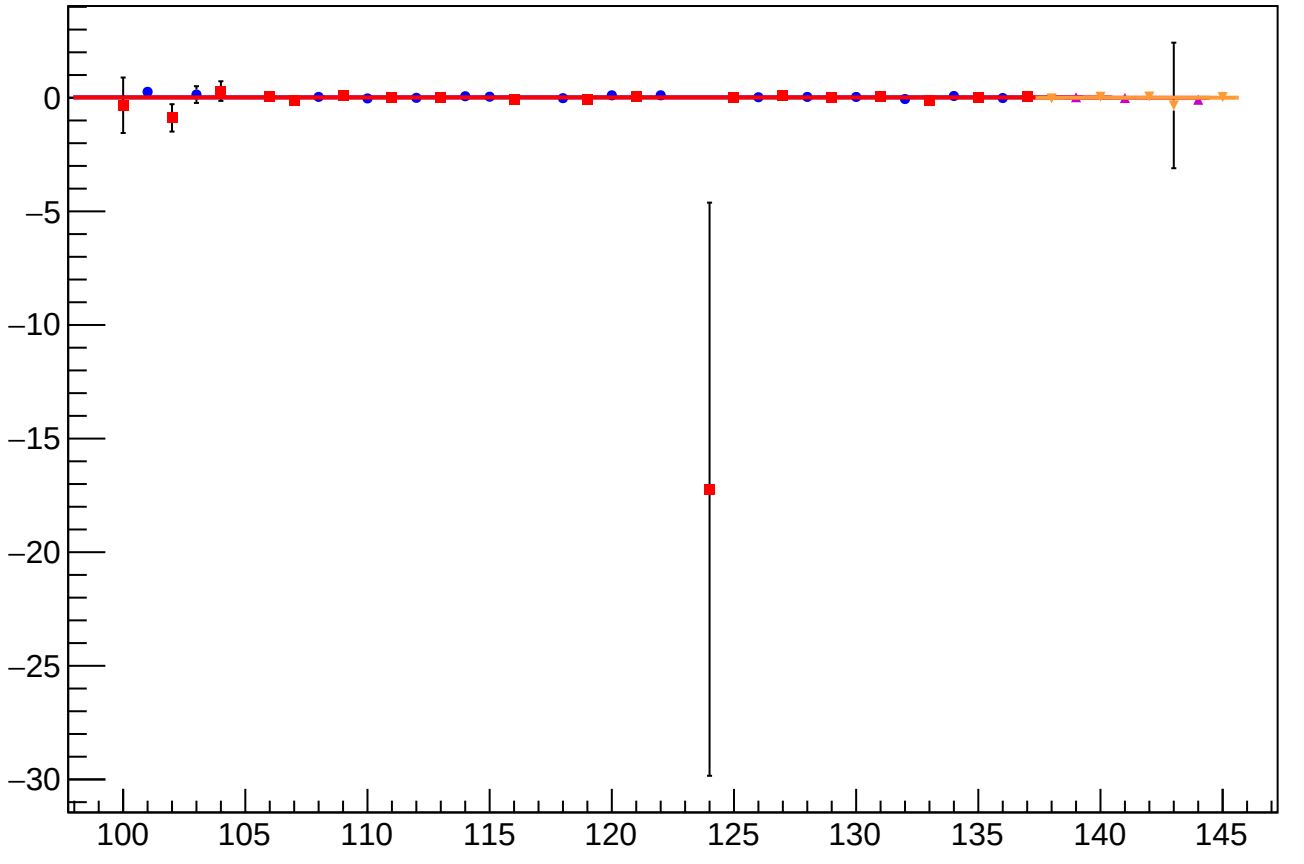
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:352869.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 4227096.5/20

All: 0.000+/-0.000 χ^2/NDF: 8407771.8/42

- sign 0.000+/-0.000 χ^2/NDF: 4161703.6/21



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

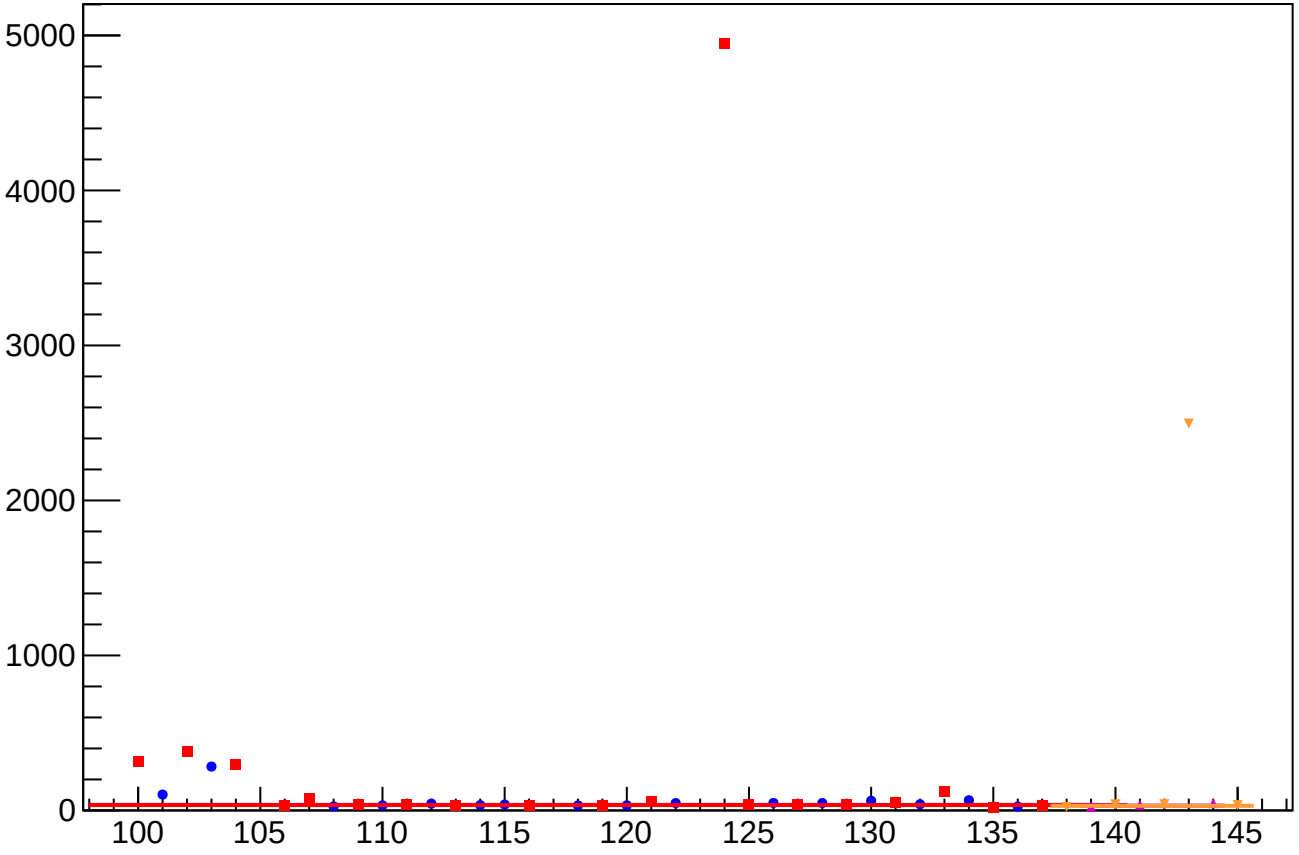
Left In: -0.004+/-0.022 χ^2/NDF:3.4/2

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.010+/-0.009 χ^2/NDF: 34.8/42

- sign 0.008+/-0.013 χ^2/NDF: 19.9/21

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

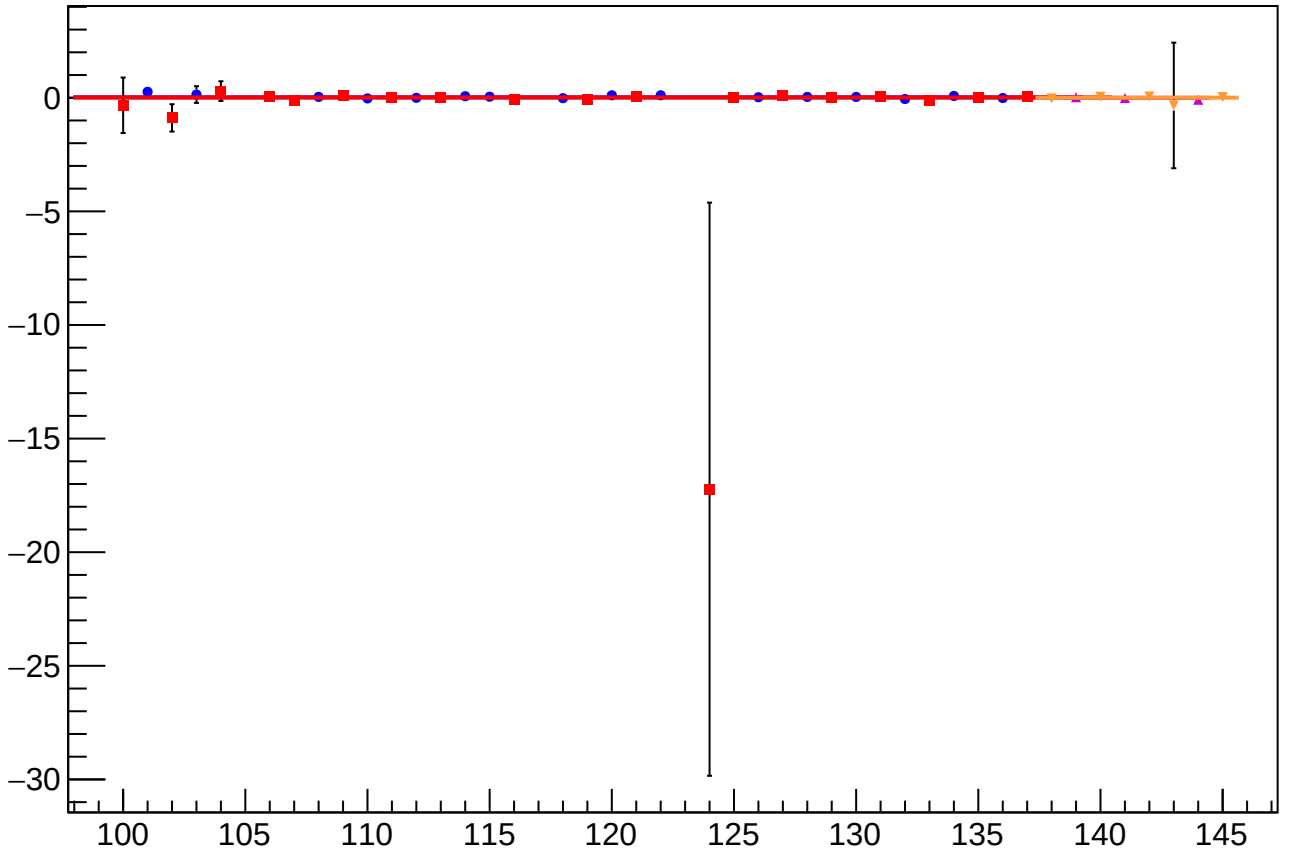
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.218+/-0.016 χ^2/NDF:364744.1/2

\+ sign 33.530+/-0.009 χ^2/NDF: 4268185.8/20

All: 33.562+/-0.006 χ^2/NDF: 7582299.5/42

\- sign 33.596+/-0.009 χ^2/NDF: 3314085.6/21



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

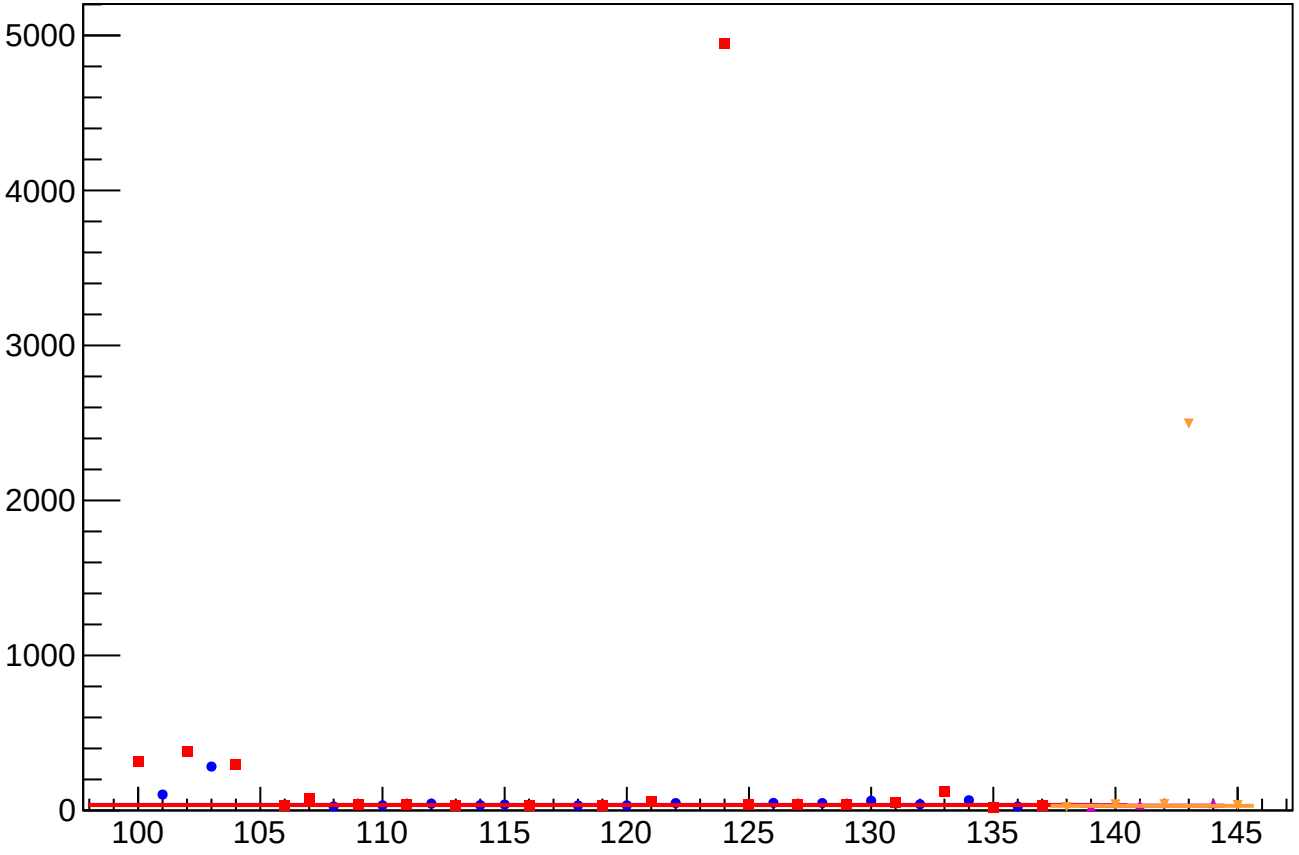
Left In: -0.004+/-0.022 χ^2/NDF:3.4/2

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.010+/-0.009 χ^2/NDF: 34.8/42

- sign 0.008+/-0.013 χ^2/NDF: 19.9/21

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

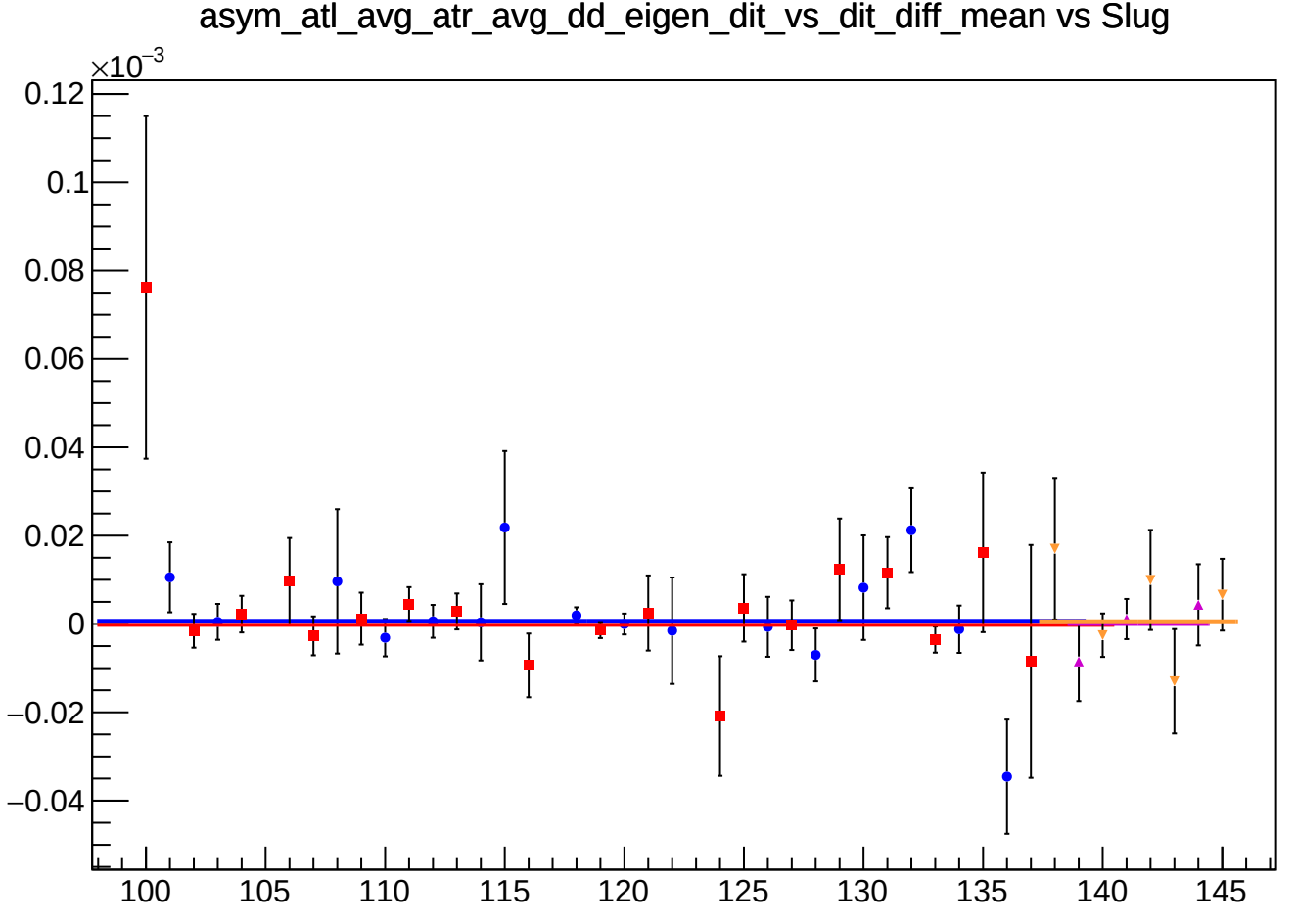
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.218+/-0.016 χ^2/NDF:364744.1/2

\+ sign 33.530+/-0.009 χ^2/NDF: 4268185.8/20

All: 33.562+/-0.006 χ^2/NDF: 7582299.5/42

\- sign 33.596+/-0.009 χ^2/NDF: 3314085.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/4

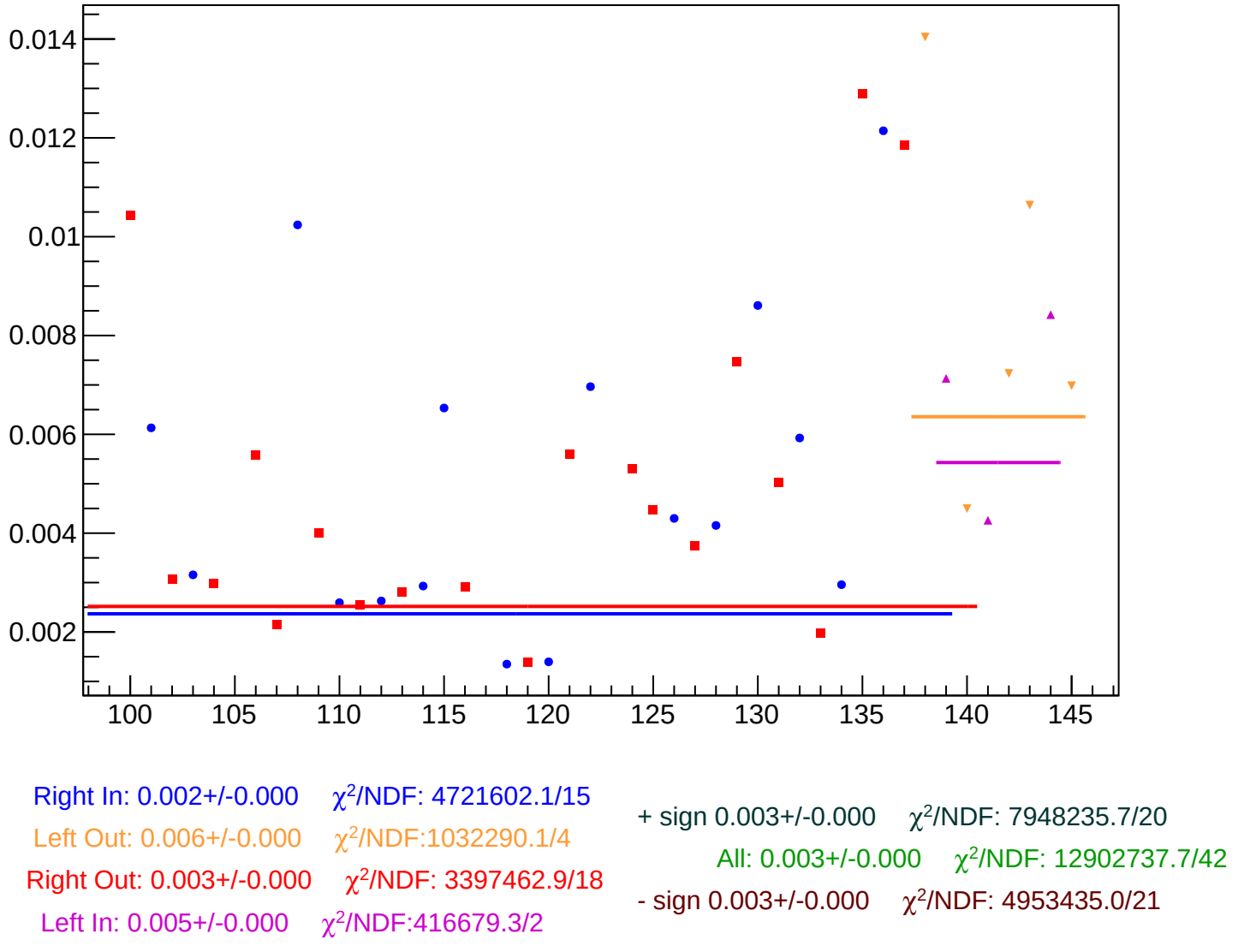
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/2

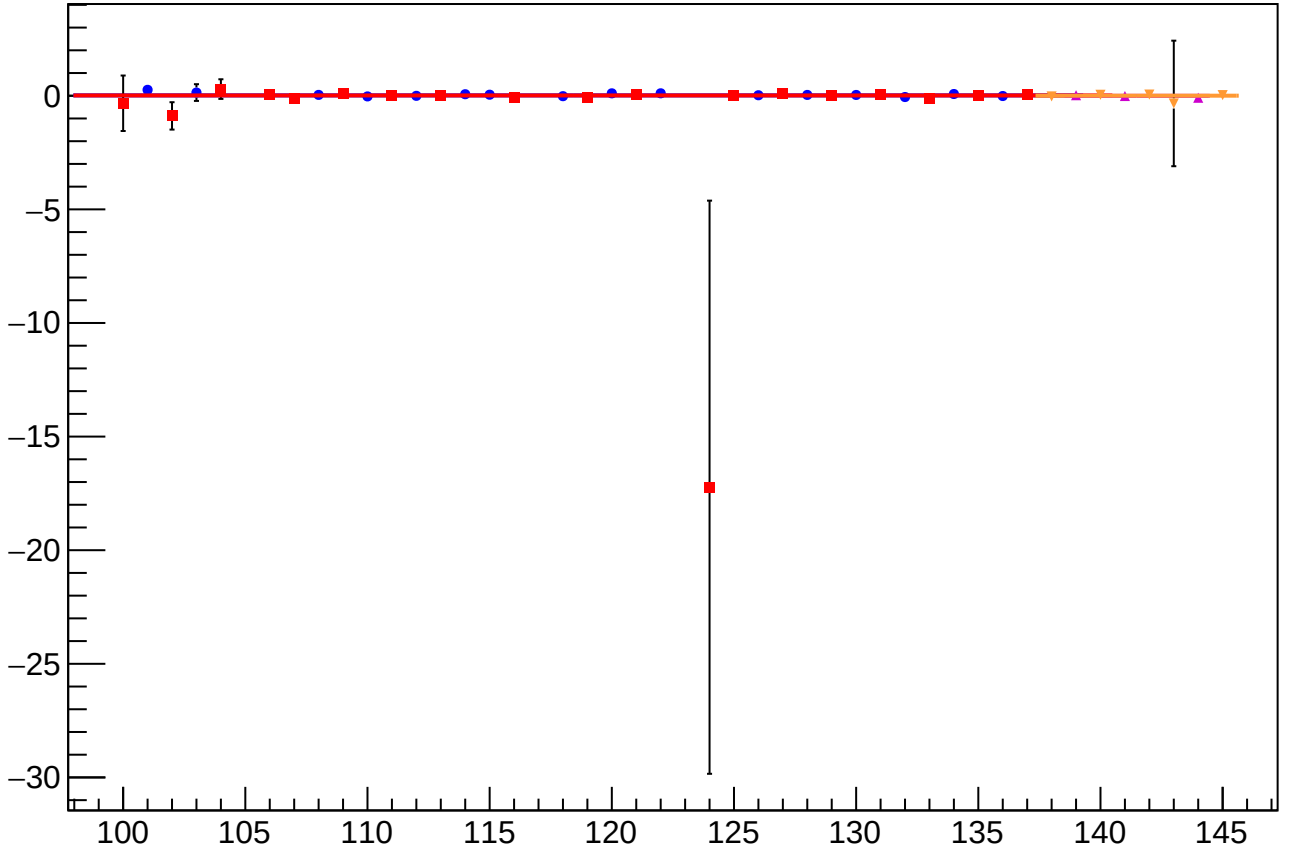
+ sign 0.000+/-0.000 χ^2/NDF: 23.1/20

All: 0.000+/-0.000 χ^2/NDF: 42.7/42

- sign -0.000+/-0.000 χ^2/NDF: 19.3/21


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
105
110
115
120
125
130
135
140
145
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:416679.3/2
+ sign 0.003+/-0.000 χ²/NDF: 7948235.7/20
All: 0.003+/-0.000 χ²/NDF: 12902737.7/42
- sign 0.003+/-0.000 χ²/NDF: 4953435.0/21

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

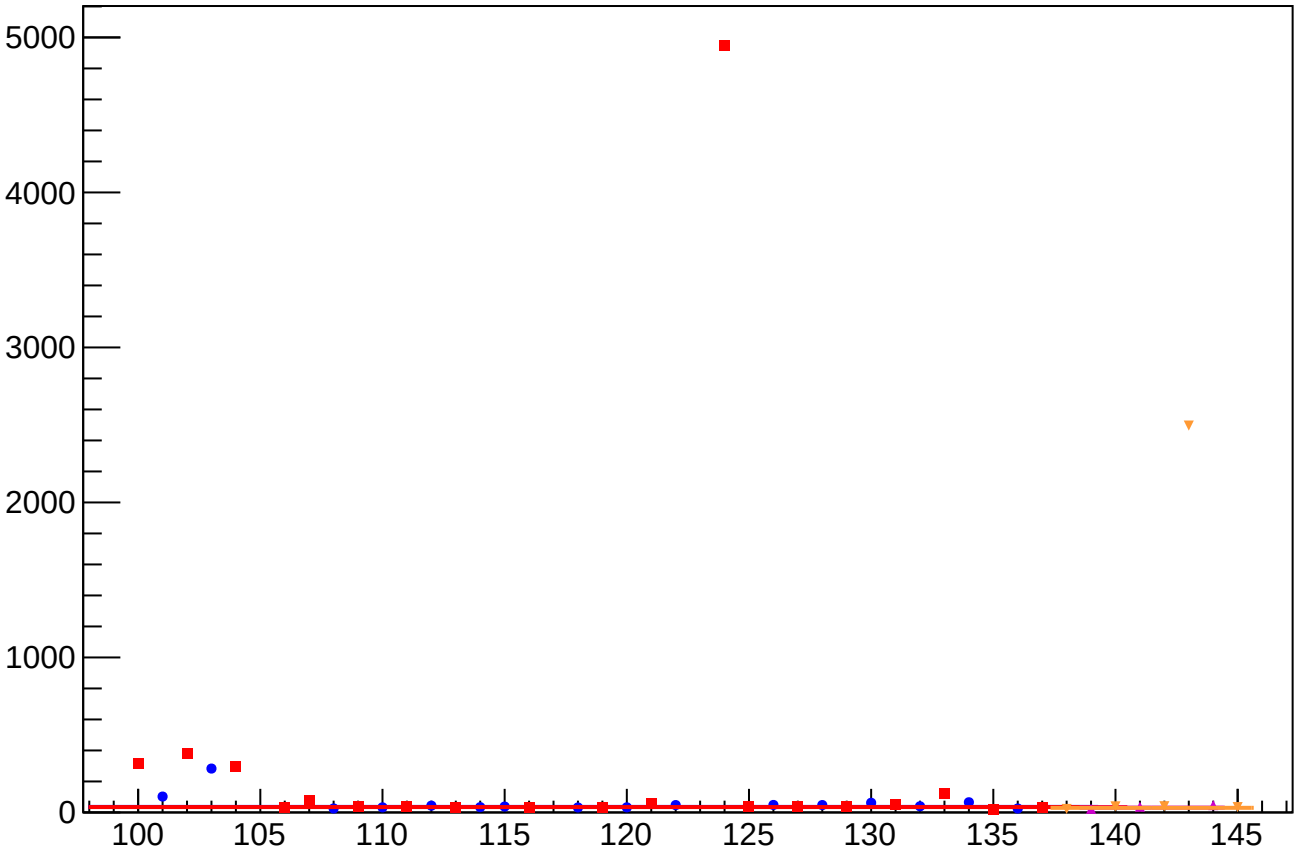
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.022 χ^2/NDF:3.4/2

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.010+/-0.009 χ^2/NDF: 34.8/42

- sign 0.008+/-0.013 χ^2/NDF: 19.9/21



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 29.892+/-0.014 χ^2/NDF:1895152.8/4

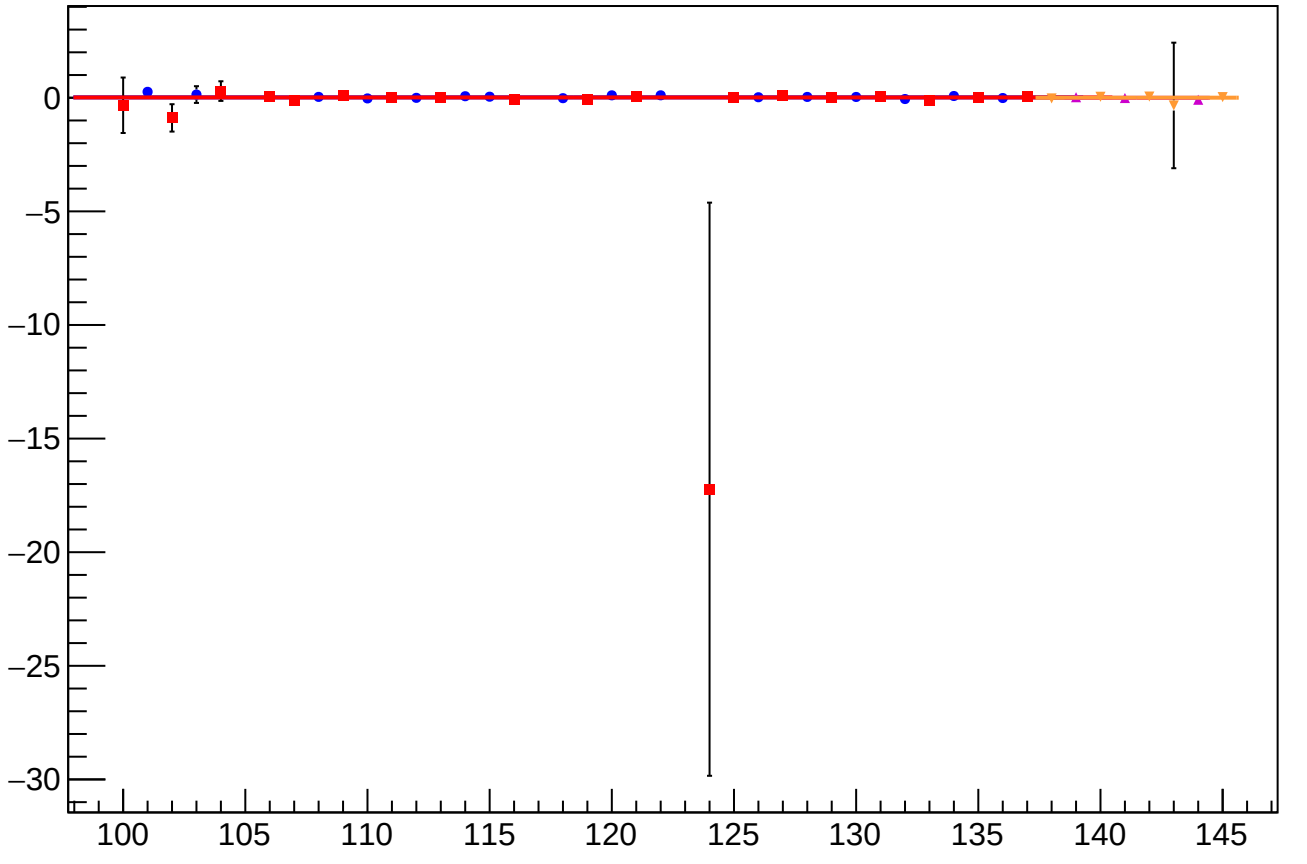
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.214+/-0.016 χ^2/NDF:365054.7/2

\+ sign 33.532+/-0.009 χ^2/NDF: 4268145.6/20

All: 33.562+/-0.006 χ^2/NDF: 7582492.8/42

\- sign 33.596+/-0.009 χ^2/NDF: 3314320.8/21



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

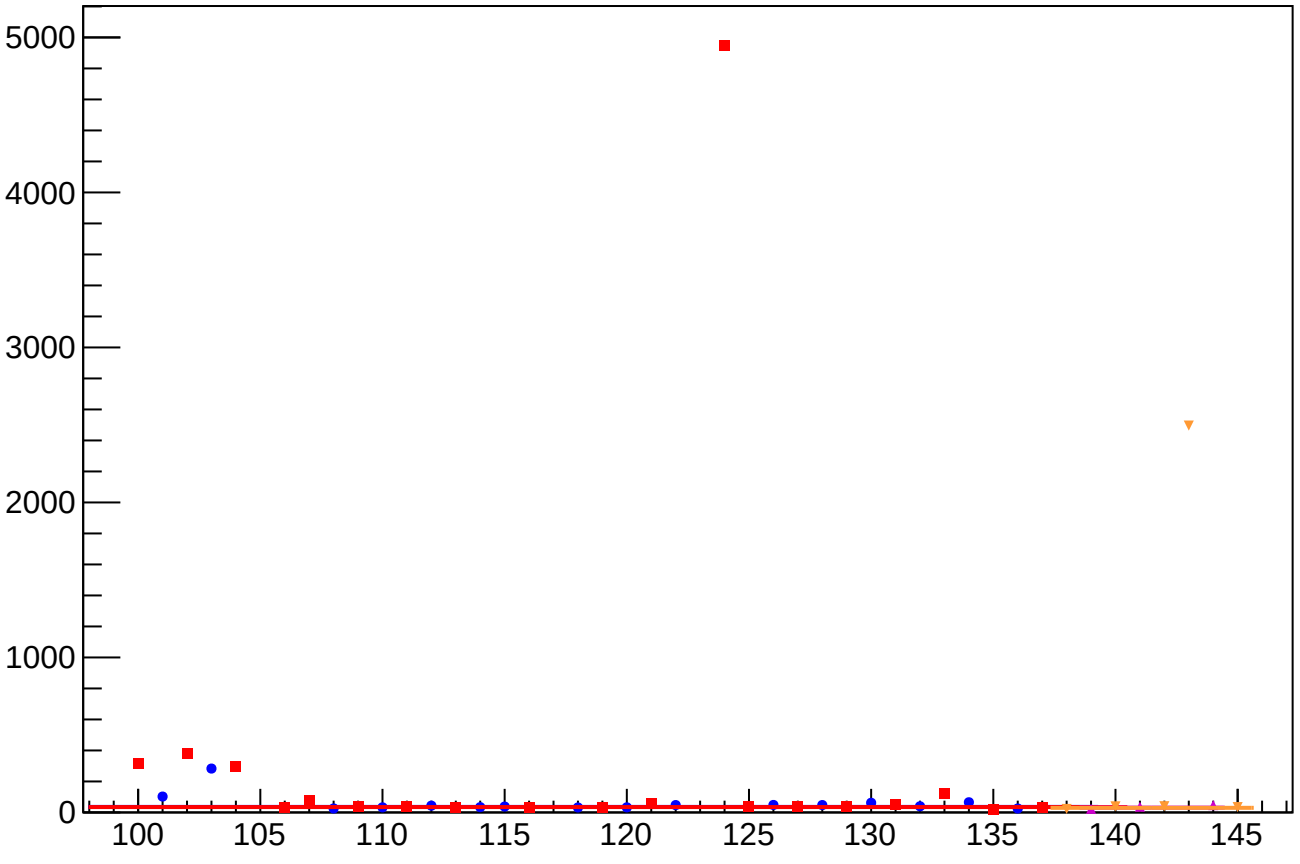
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.022 χ^2/NDF:3.4/2

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.010+/-0.009 χ^2/NDF: 34.8/42

- sign 0.008+/-0.013 χ^2/NDF: 19.9/21



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 29.892+/-0.014 χ^2/NDF:1895152.8/4

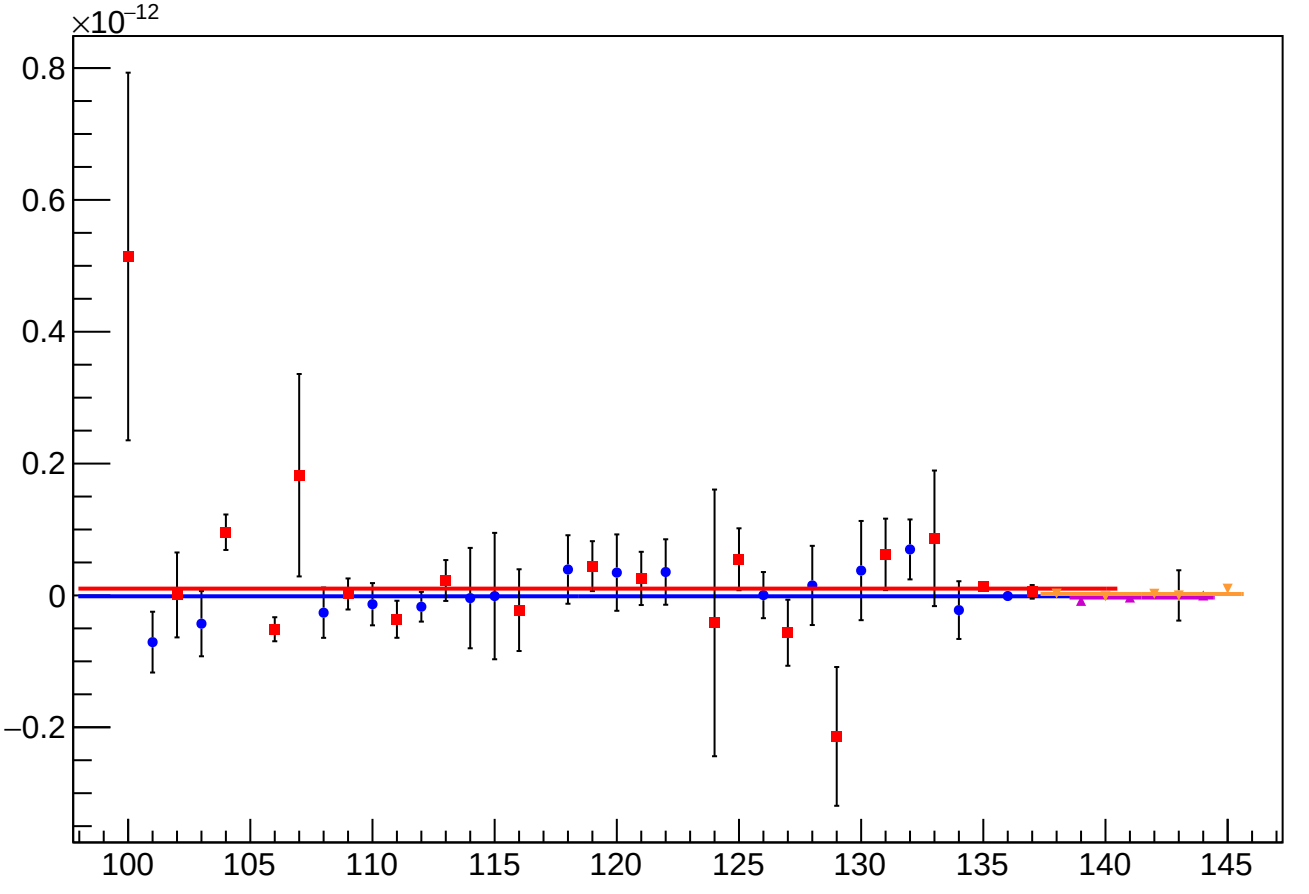
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.214+/-0.016 χ^2/NDF:365054.7/2

\+ sign 33.532+/-0.009 χ^2/NDF: 4268145.6/20

All: 33.562+/-0.006 χ^2/NDF: 7582492.8/42

\- sign 33.596+/-0.009 χ^2/NDF: 3314320.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

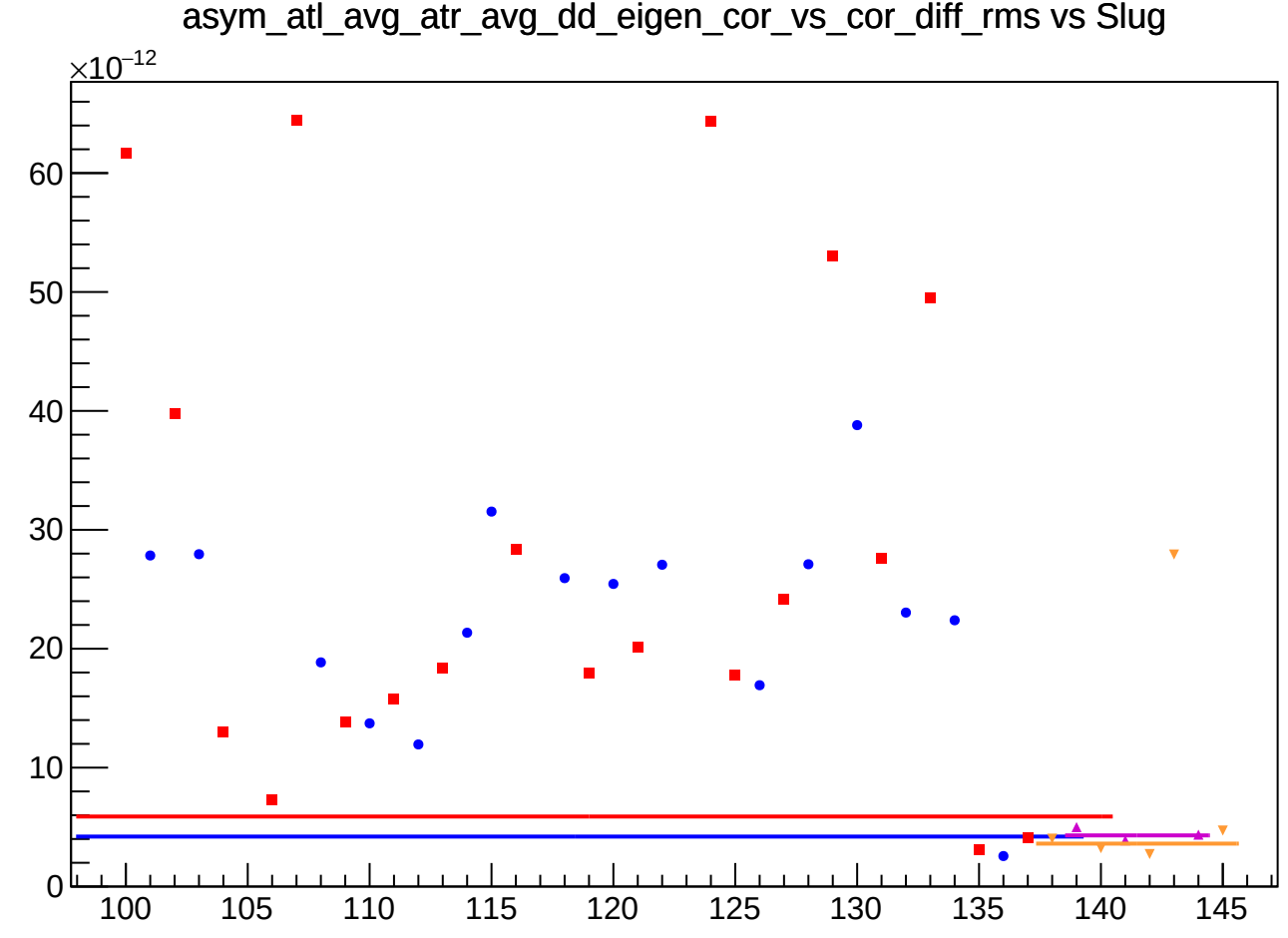
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 11.7/20

All: 0.000+/-0.000 χ^2/NDF: 59.2/42

- sign 0.000+/-0.000 χ^2/NDF: 47.4/21



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

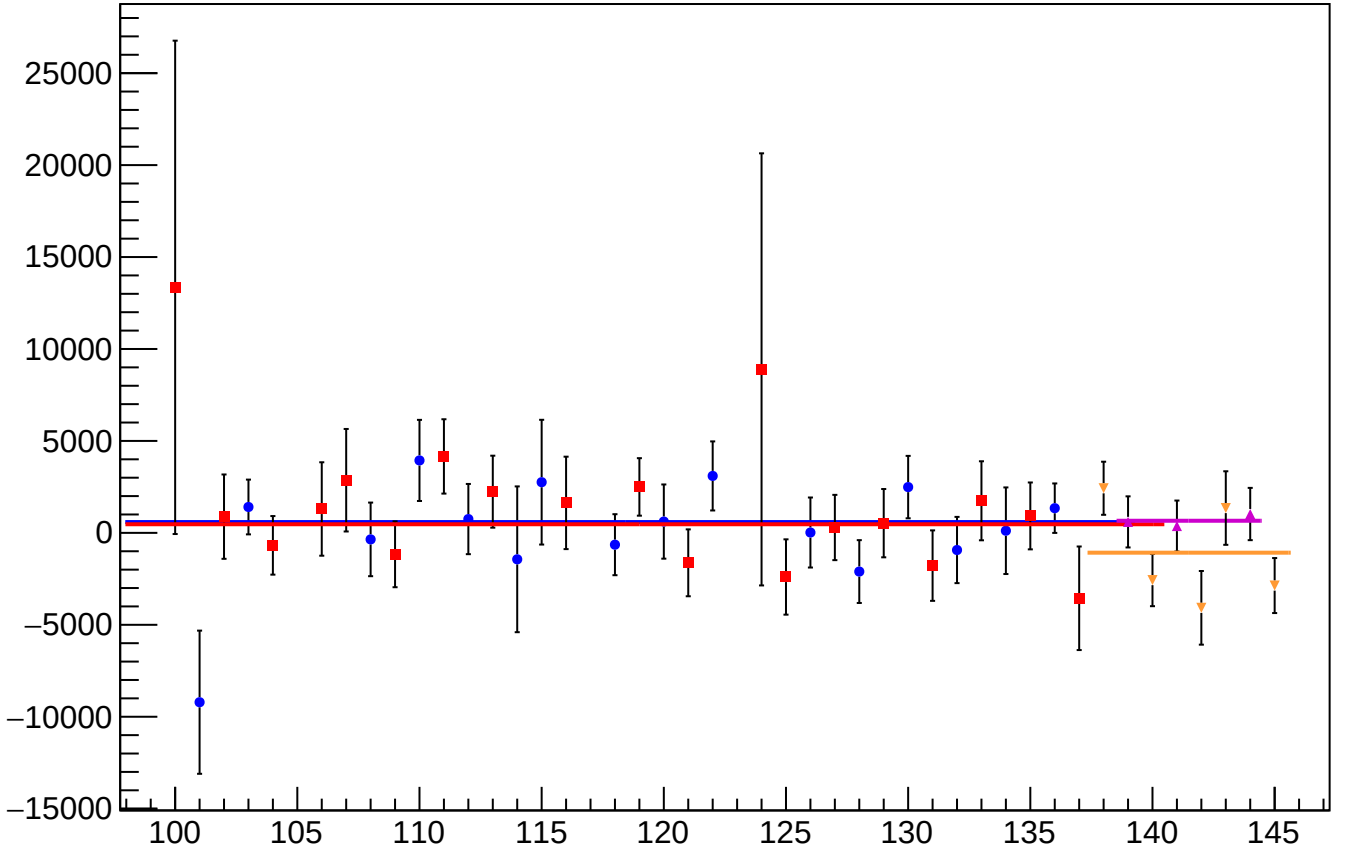
Left In: 0.000+/-0.000 χ^2/NDF:36607.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 6077156.7/20

All: 0.000+/-0.000 χ^2/NDF: 11373104.9/42

- sign 0.000+/-0.000 χ^2/NDF: 5079873.5/21

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

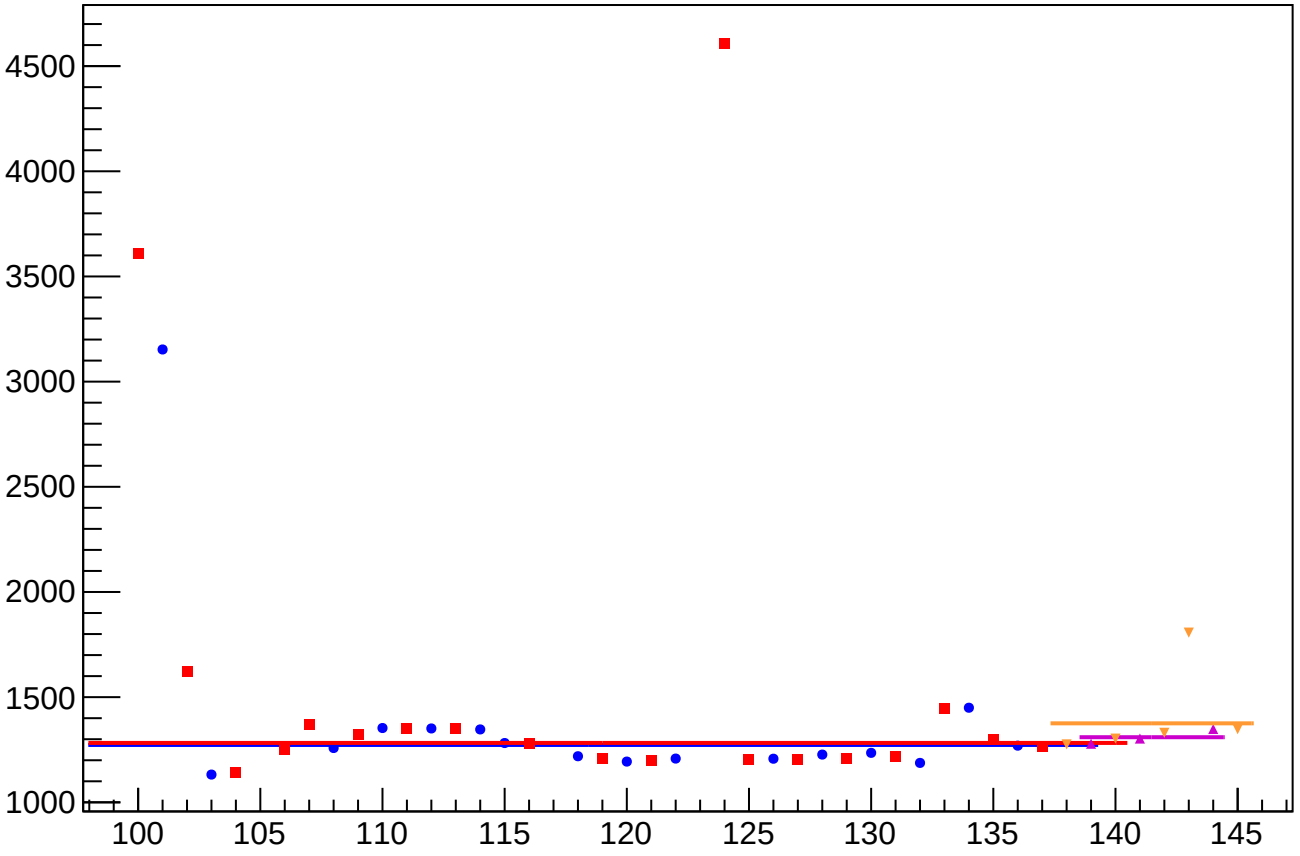
Left In: 658.533+/-807.405 χ^2/NDF:0.1/2

\+ sign 72.344+/-400.979 χ^2/NDF: 32.9/20

All: 288.916+/-287.665 χ^2/NDF: 50.5/42

\- sign 518.581+/-412.922 χ^2/NDF: 17.0/21

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

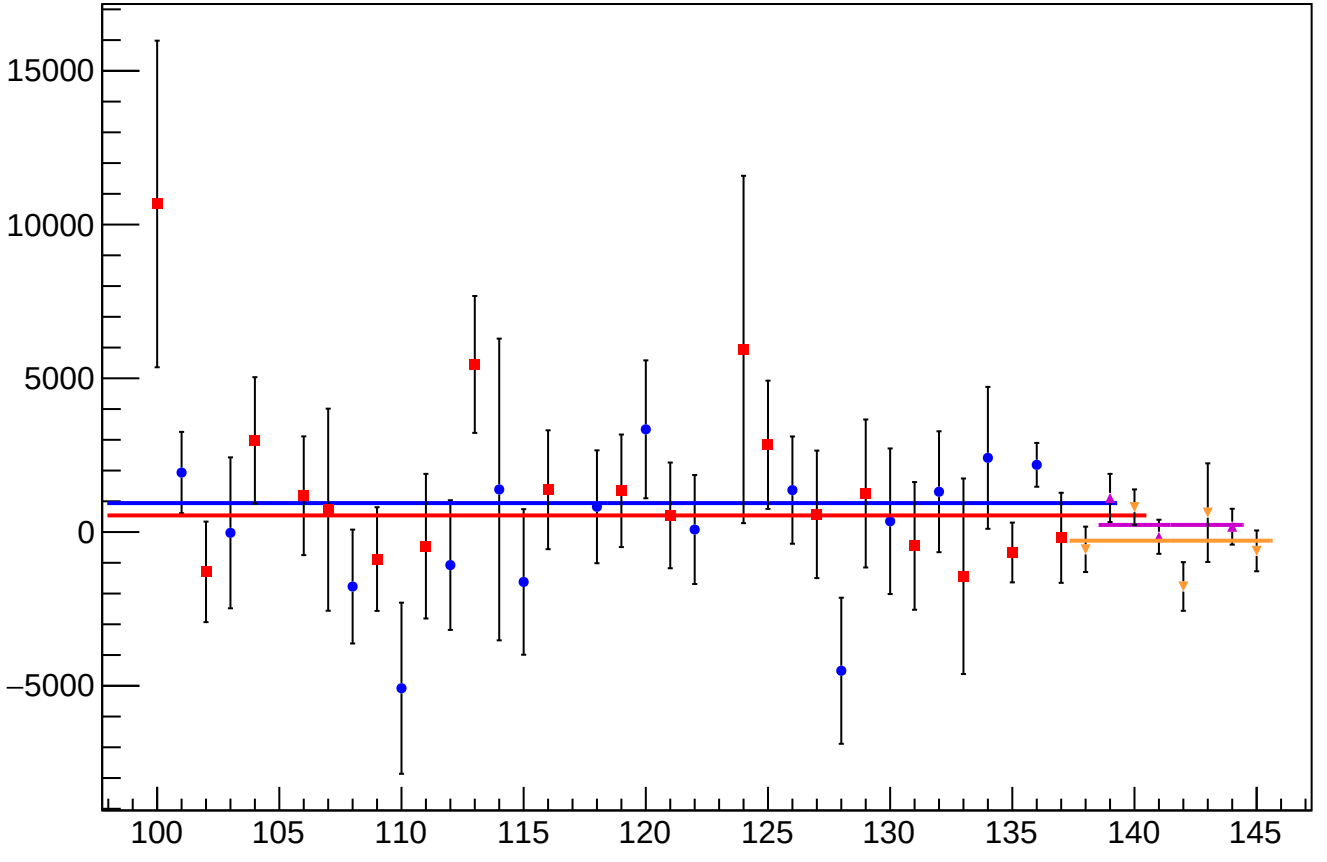
Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

+ sign 1304.557+/-0.284 χ^2/NDF: 656902.2/20

All: 1297.237+/-0.203 χ^2/NDF: 984585.3/42

- sign 1289.476+/-0.292 χ^2/NDF: 326310.0/21

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

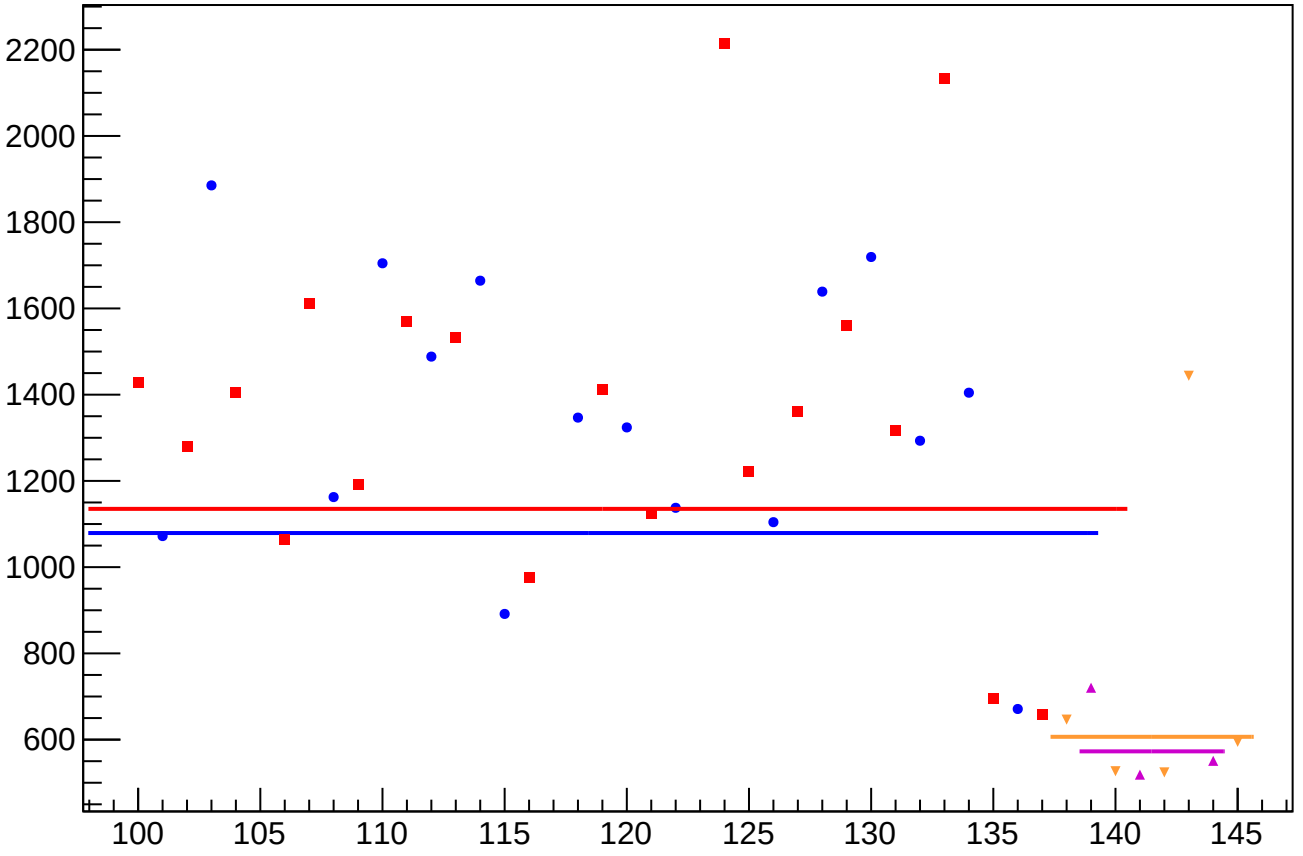
Left In: 232.003+/-357.484 χ^2/NDF:1.7/2

\+ sign 180.182+/-261.582 χ^2/NDF: 32.9/20

All: 262.338+/-190.323 χ^2/NDF: 52.3/42

\- sign 354.750+/-277.430 χ^2/NDF: 19.2/21

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

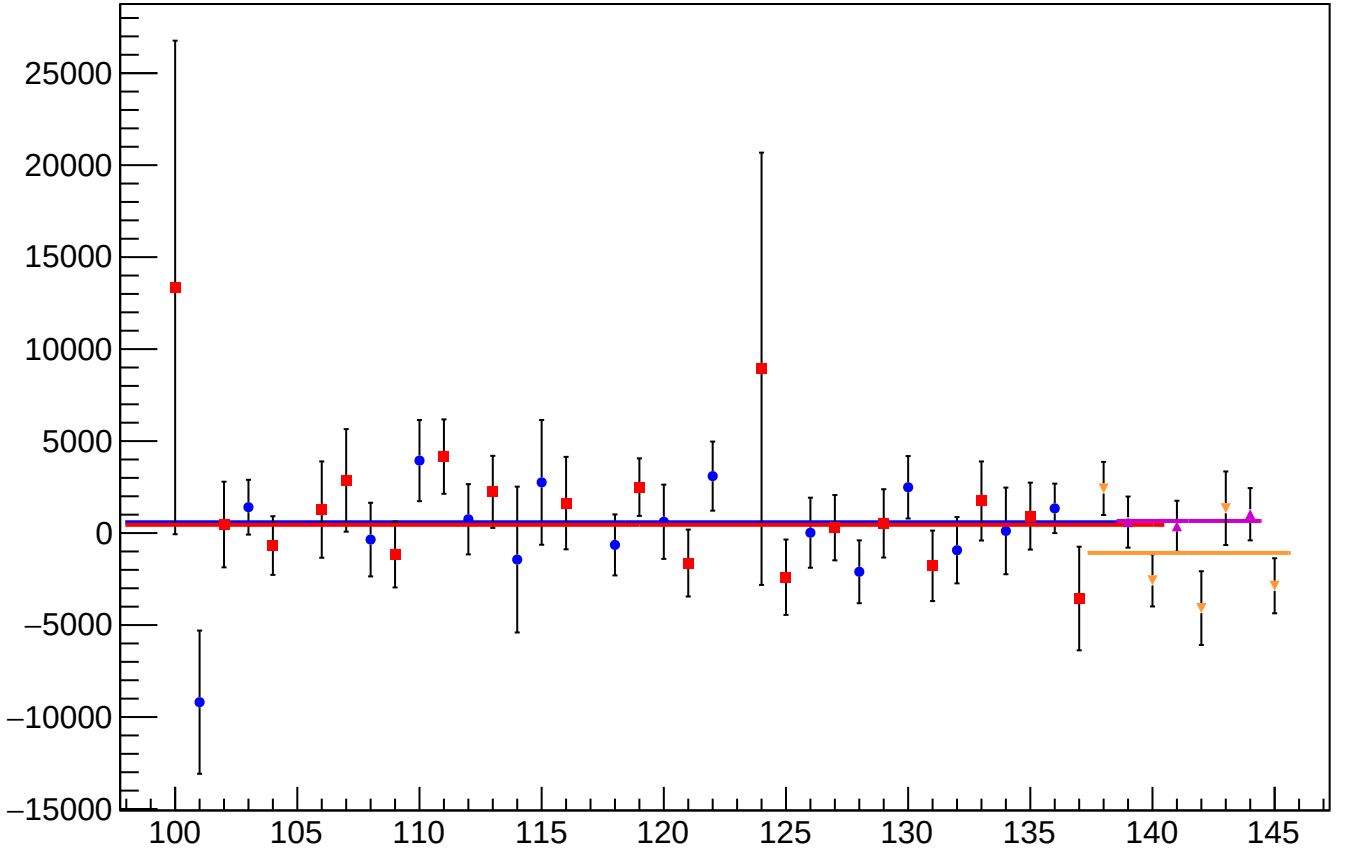
Left In: 572.777+/-0.253 χ^2/NDF:92673.4/2

+ sign 784.863+/-0.185 χ^2/NDF: 3627841.4/20

All: 790.318+/-0.135 χ^2/NDF: 6984100.4/42

- sign 796.454+/-0.196 χ^2/NDF: 3354410.8/21

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

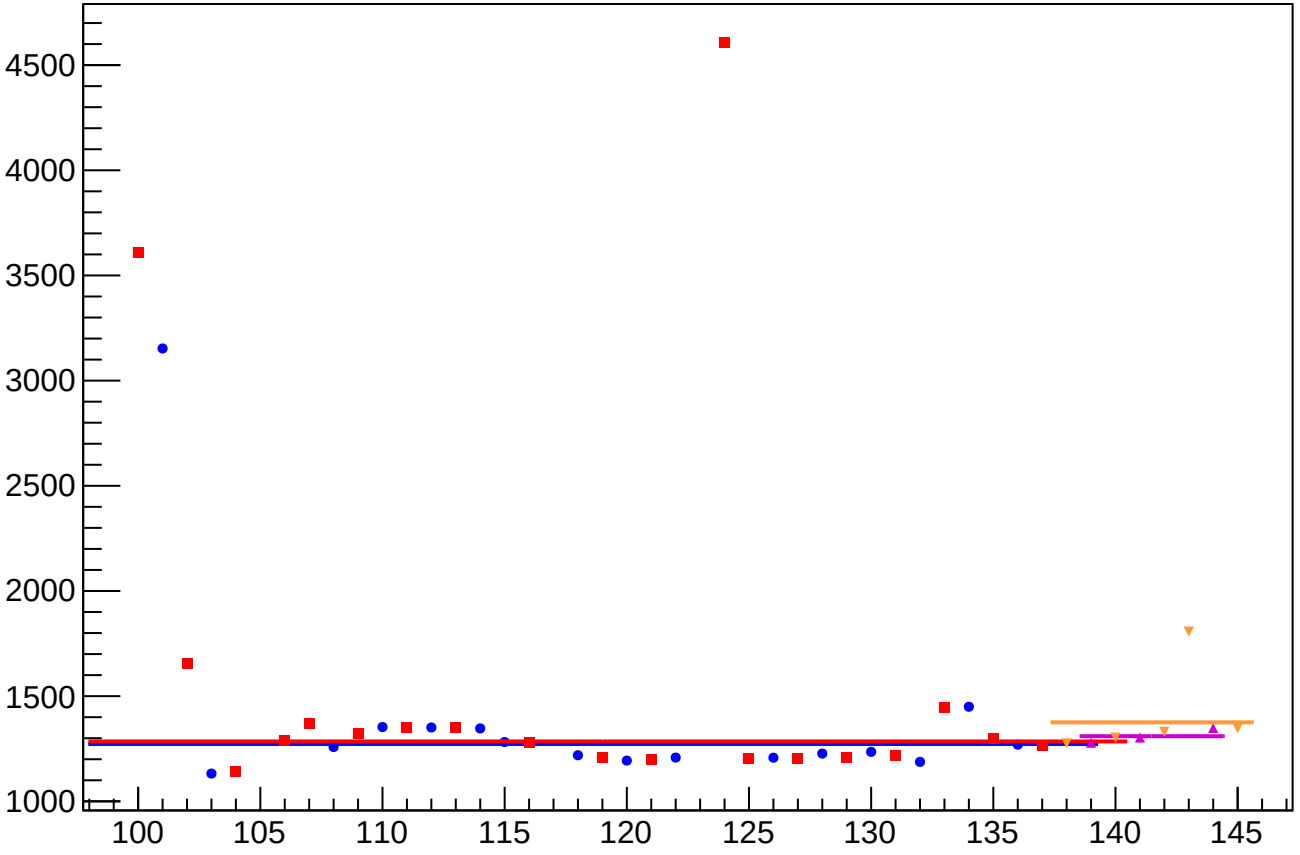
Left In: 658.531+/-807.405 χ^2/NDF:0.1/2

\+ sign 72.530+/-400.979 χ^2/NDF: 32.9/20

All: 281.426+/-287.840 χ^2/NDF: 50.4/42

\- sign 503.506+/-413.441 χ^2/NDF: 17.0/21

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

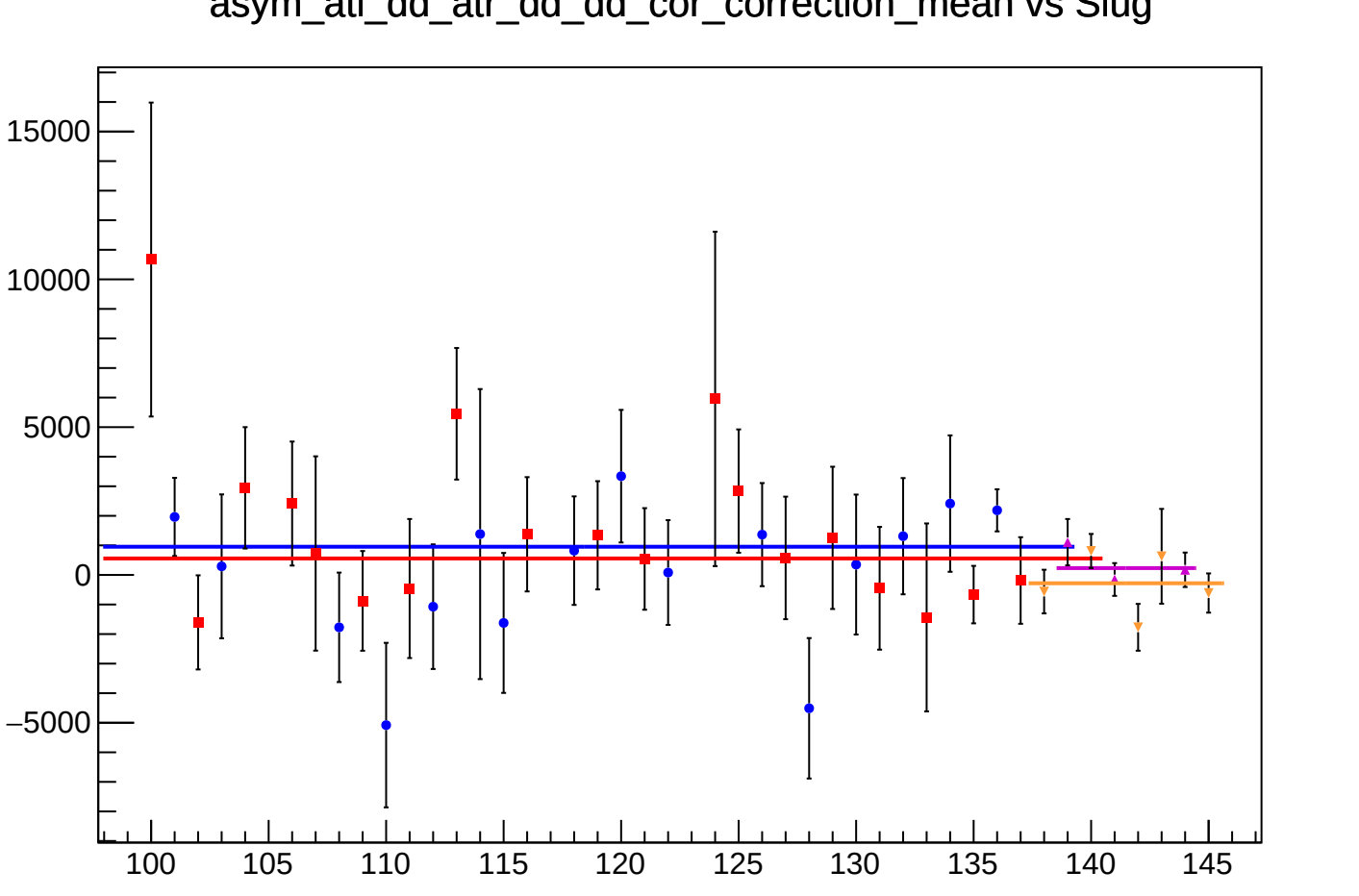
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

+ sign 1304.557+/-0.284 χ^2/NDF: 656903.7/20

All: 1298.074+/-0.204 χ^2/NDF: 990677.1/42

- sign 1291.182+/-0.292 χ^2/NDF: 332694.9/21



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

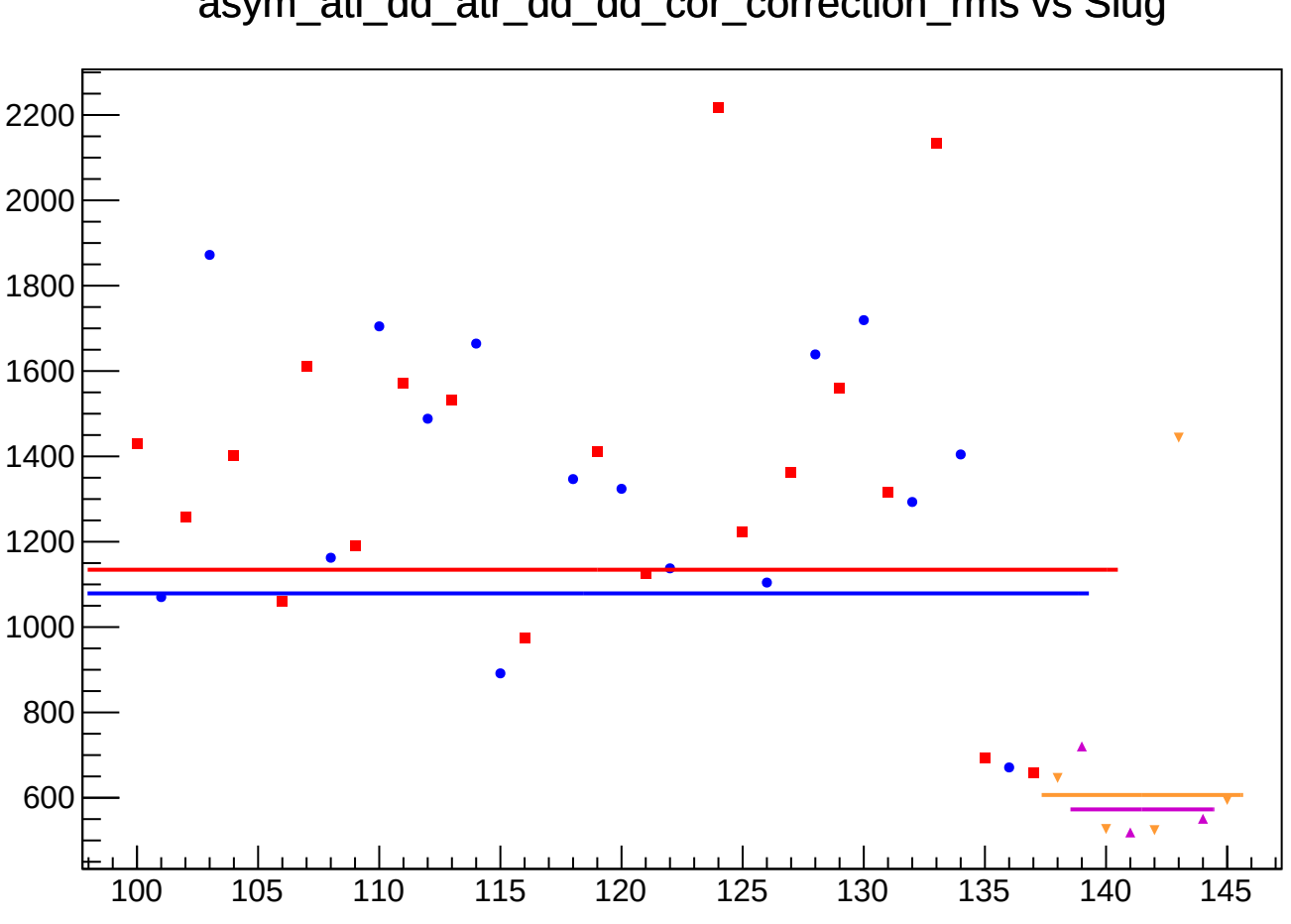
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 232.142+/-357.478 χ^2/NDF:1.7/2

+ sign 185.139+/-261.546 χ^2/NDF: 33.0/20

All: 268.020+/-190.376 χ^2/NDF: 53.6/42

- sign 361.415+/-277.640 χ^2/NDF: 20.5/21



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

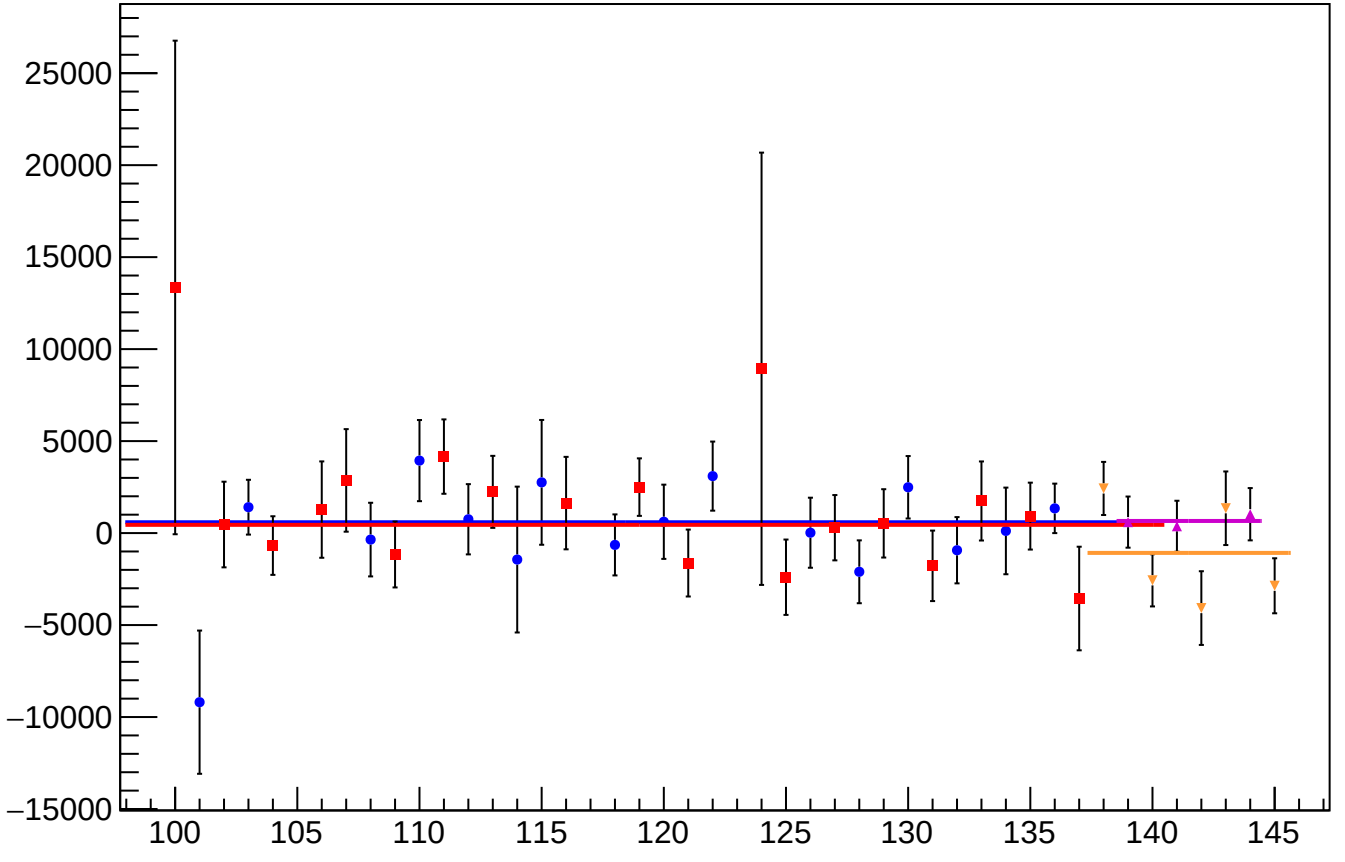
Left In: 572.766+/-0.253 χ^2/NDF:92684.3/2

+ sign 784.901+/-0.185 χ^2/NDF: 3623703.1/20

All: 789.945+/-0.135 χ^2/NDF: 6965918.9/42

- sign 795.630+/-0.196 χ^2/NDF: 3340633.3/21

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

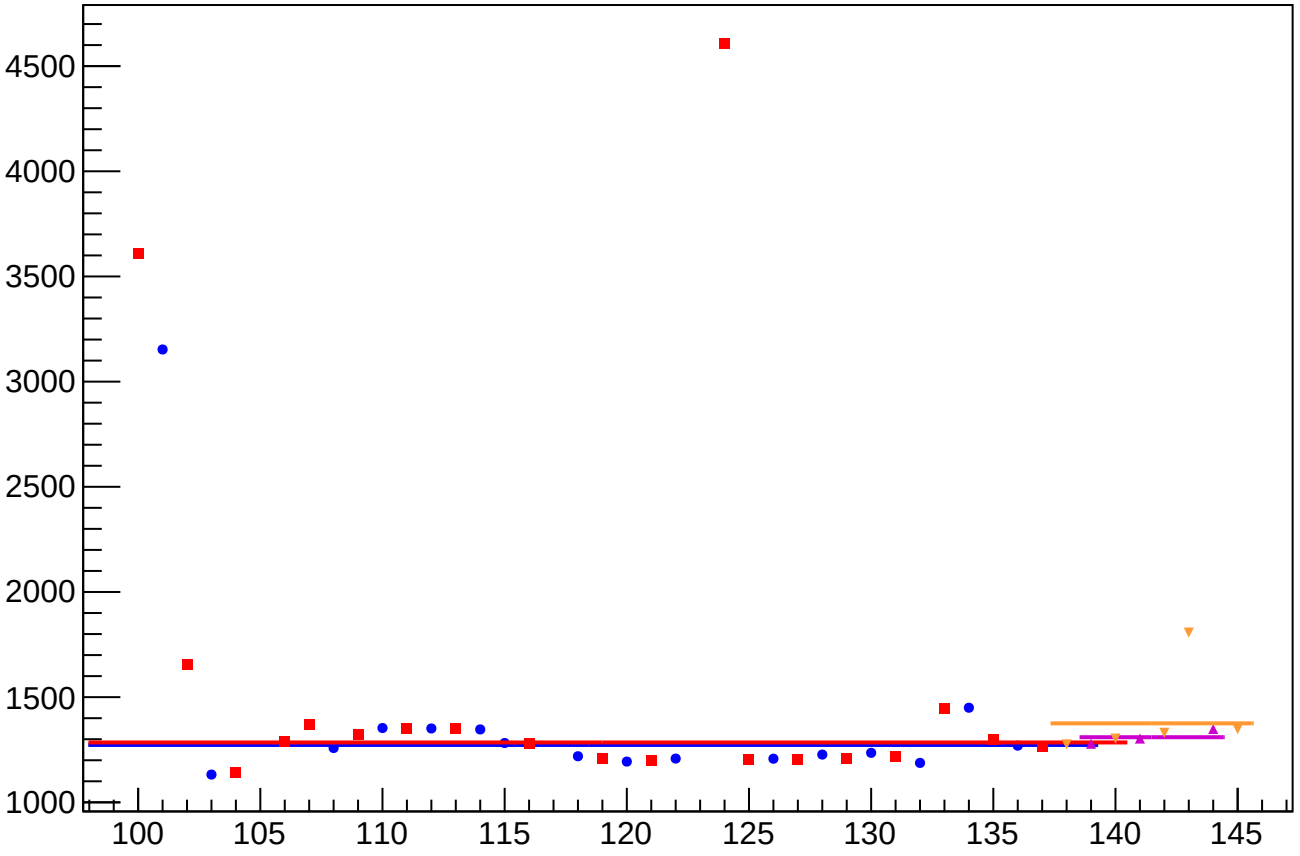
Left In: 658.531+/-807.405 χ^2/NDF:0.1/2

+ sign 72.530+/-400.979 χ^2/NDF: 32.9/20

All: 281.426+/-287.840 χ^2/NDF: 50.4/42

- sign 503.506+/-413.441 χ^2/NDF: 17.0/21

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

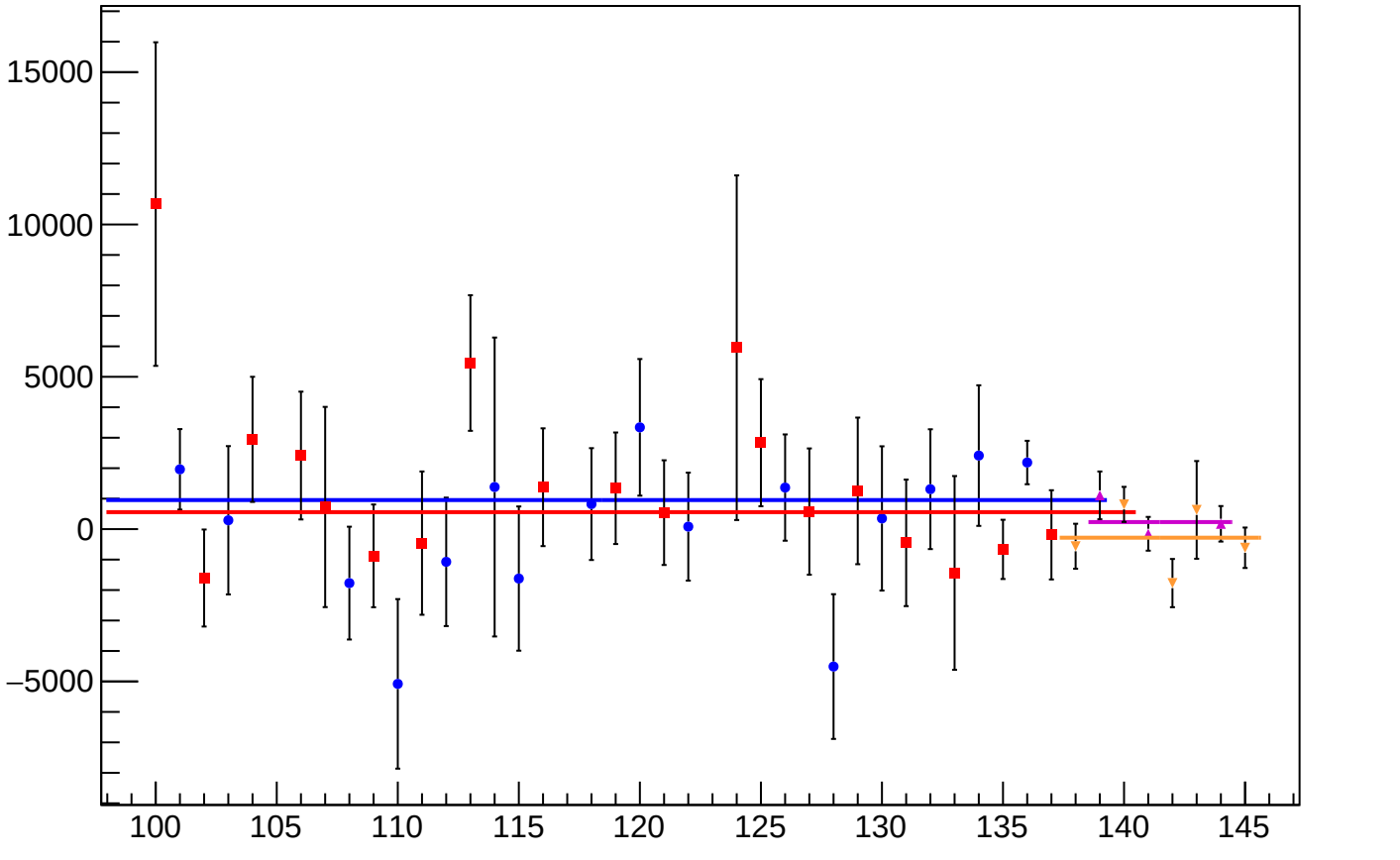
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

+ sign 1304.557+/-0.284 χ^2/NDF: 656903.7/20

All: 1298.074+/-0.204 χ^2/NDF: 990677.1/42

- sign 1291.182+/-0.292 χ^2/NDF: 332694.9/21



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

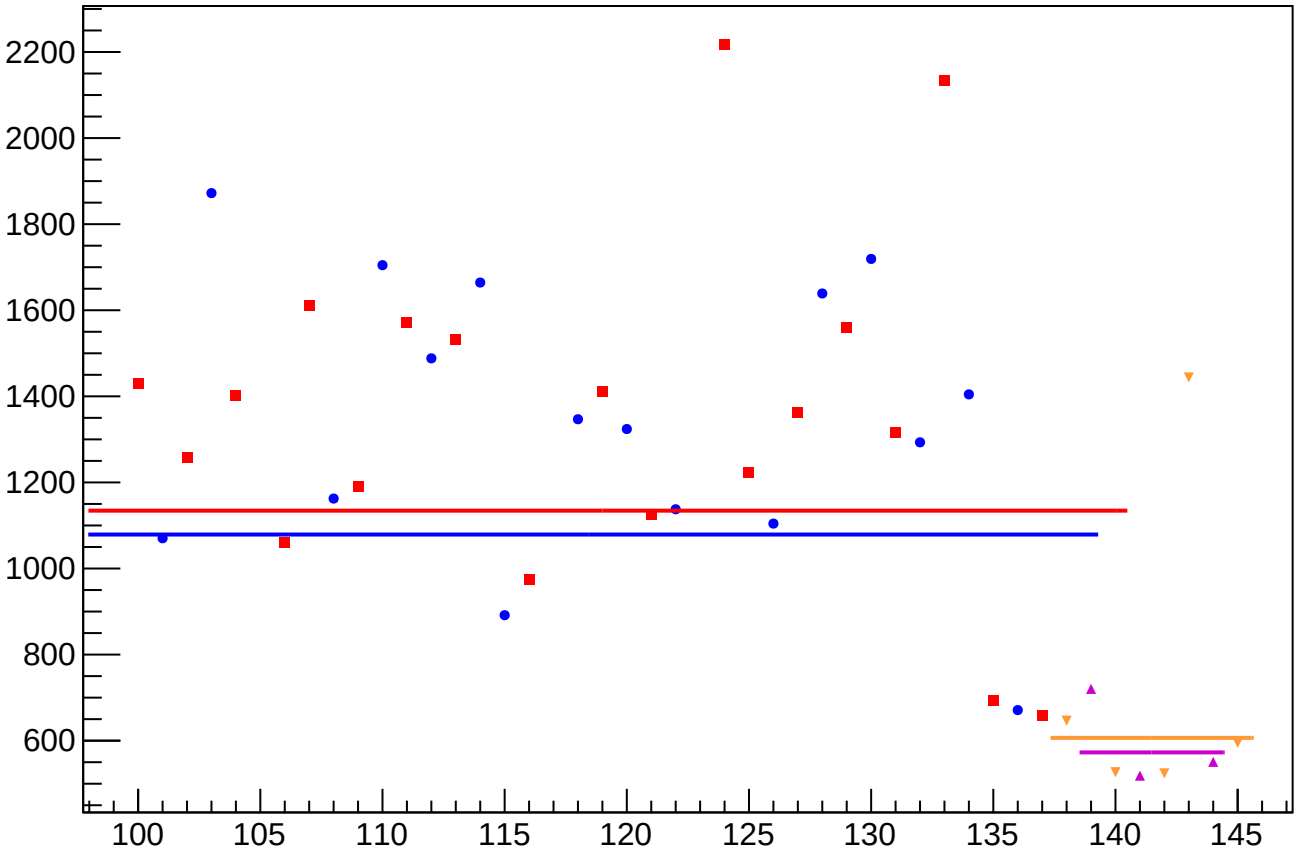
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 232.142+/-357.478 χ^2/NDF:1.7/2

+ sign 185.139+/-261.546 χ^2/NDF: 33.0/20

All: 268.020+/-190.376 χ^2/NDF: 53.6/42

- sign 361.415+/-277.640 χ^2/NDF: 20.5/21



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

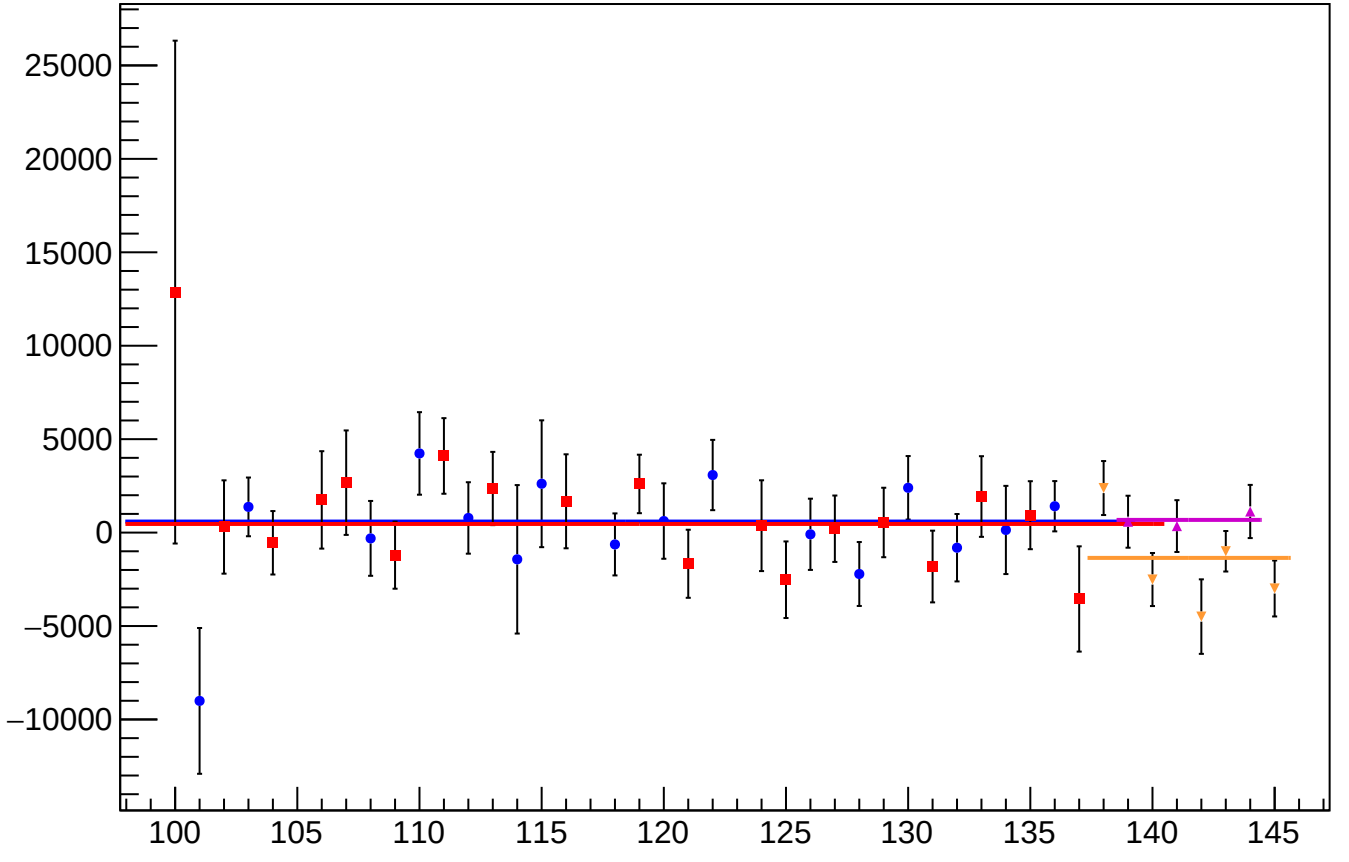
Left In: 572.766+/-0.253 χ^2/NDF:92684.3/2

+ sign 784.901+/-0.185 χ^2/NDF: 3623703.1/20

All: 789.945+/-0.135 χ^2/NDF: 6965918.9/42

- sign 795.630+/-0.196 χ^2/NDF: 3340633.3/21

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

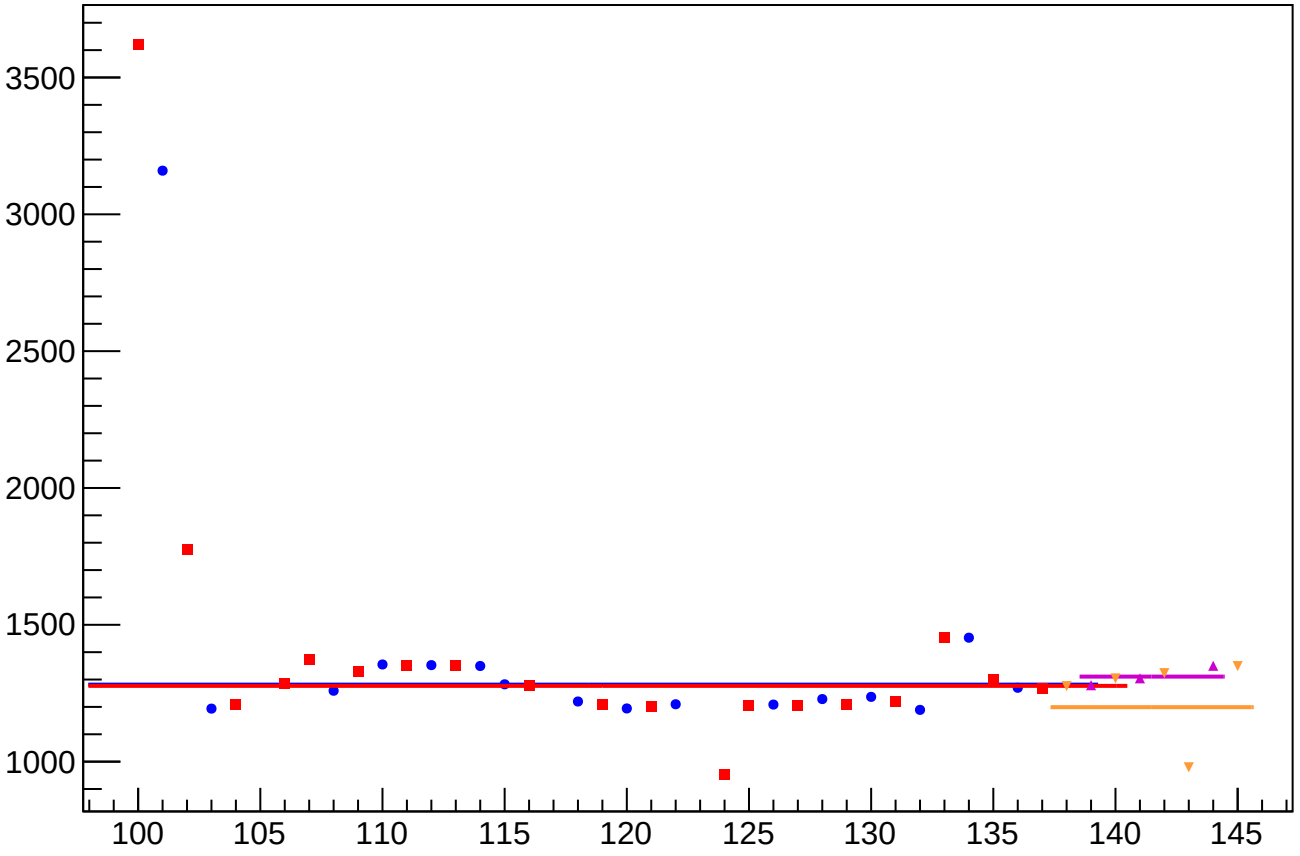
Left In: 679.280+/-808.149 χ^2/NDF:0.2/2

+ sign -134.893+/-384.422 χ^2/NDF: 34.2/20

All: 170.295+/-280.642 χ^2/NDF: 52.5/42

- sign 518.552+/-410.652 χ^2/NDF: 16.9/21

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

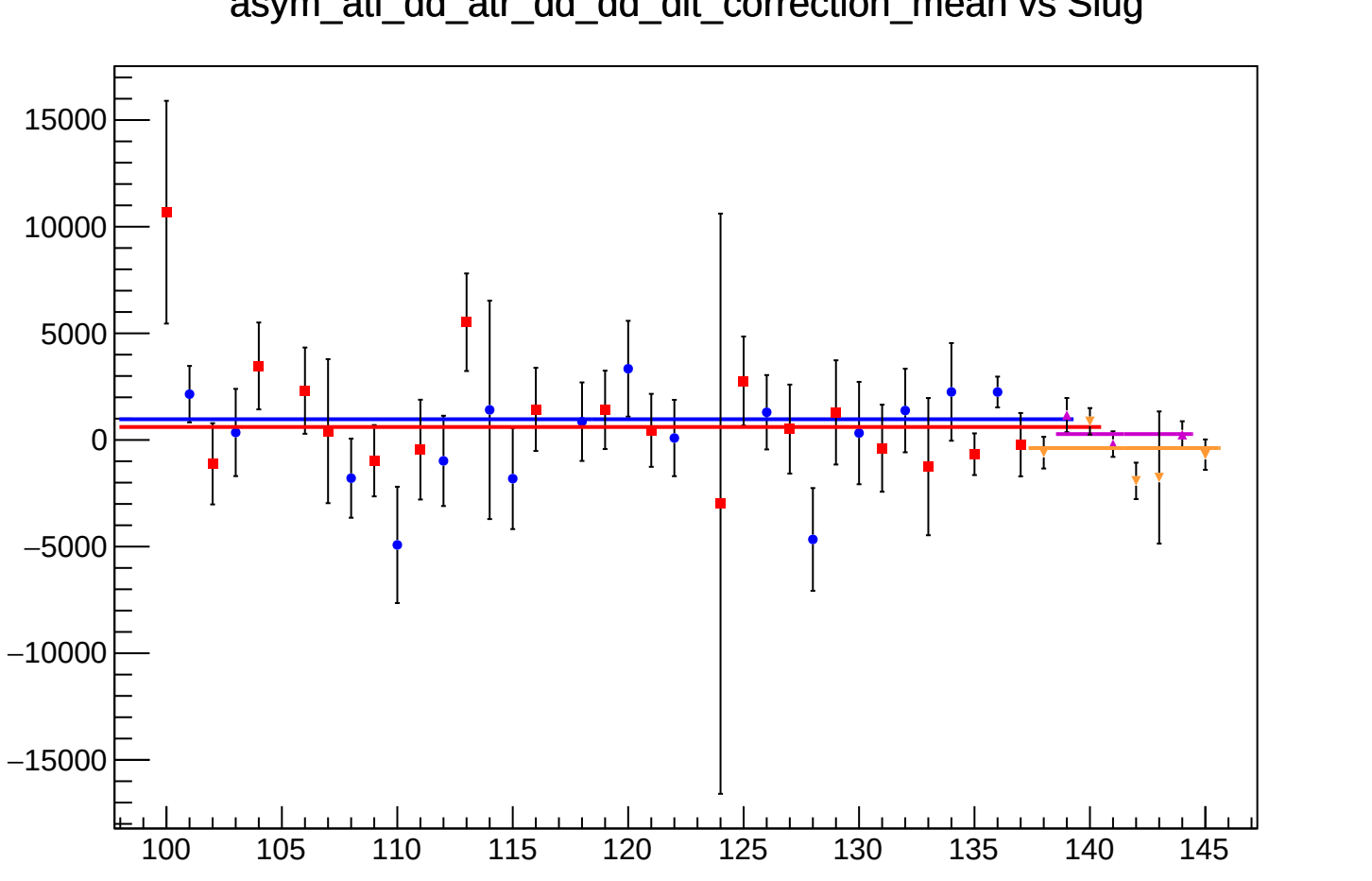
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1310.746+/-0.571 χ^2/NDF:2615.4/2

+ sign 1250.661+/-0.272 χ^2/NDF: 655194.1/20

All: 1266.983+/-0.198 χ^2/NDF: 888651.8/42

- sign 1285.609+/-0.290 χ^2/NDF: 225737.3/21



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

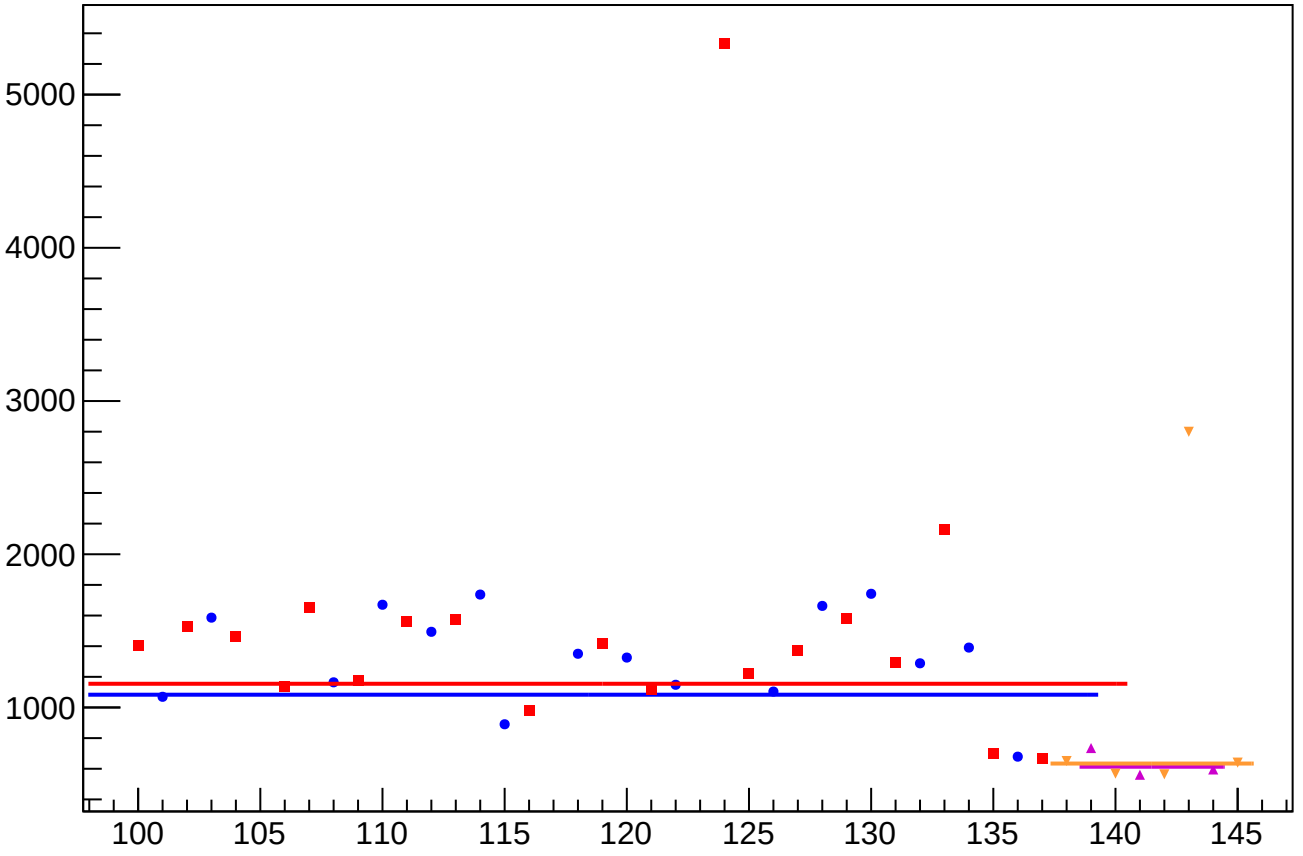
Left In: 277.127+/-381.529 χ^2/NDF:1.9/2

+ sign 178.772+/-273.421 χ^2/NDF: 34.2/20

All: 290.484+/-199.068 χ^2/NDF: 53.8/42

- sign 416.497+/-290.396 χ^2/NDF: 19.3/21

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

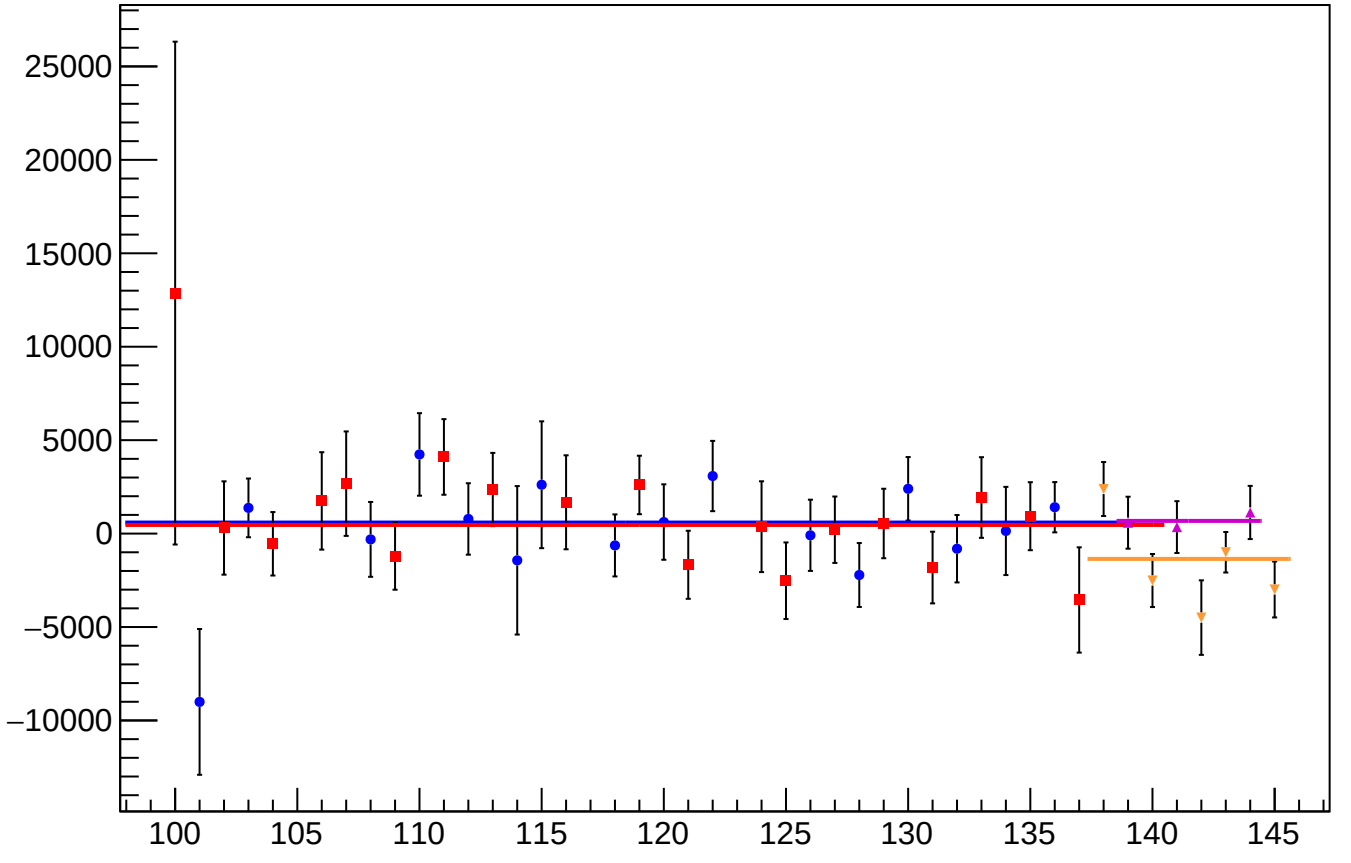
Left In: 613.289+/-0.270 χ^2/NDF:63272.6/2

+ sign 819.822+/-0.193 χ^2/NDF: 3683142.5/20

All: 829.799+/-0.141 χ^2/NDF: 6934760.2/42

- sign 841.055+/-0.205 χ^2/NDF: 3245950.0/21

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

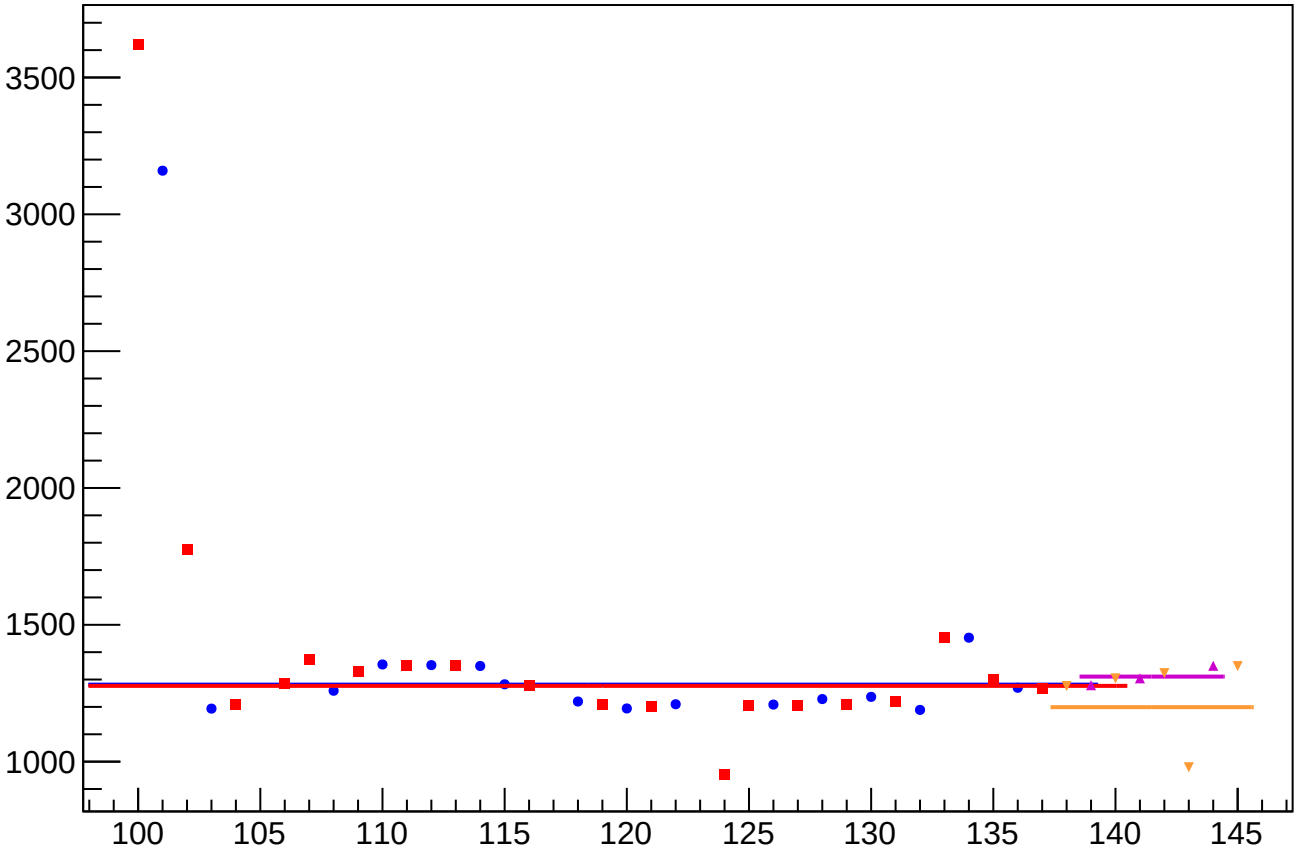
Left In: 679.288+/-808.149 χ^2/NDF:0.2/2

+ sign -134.893+/-384.422 χ^2/NDF: 34.2/20

All: 170.296+/-280.642 χ^2/NDF: 52.5/42

- sign 518.554+/-410.652 χ^2/NDF: 16.9/21

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

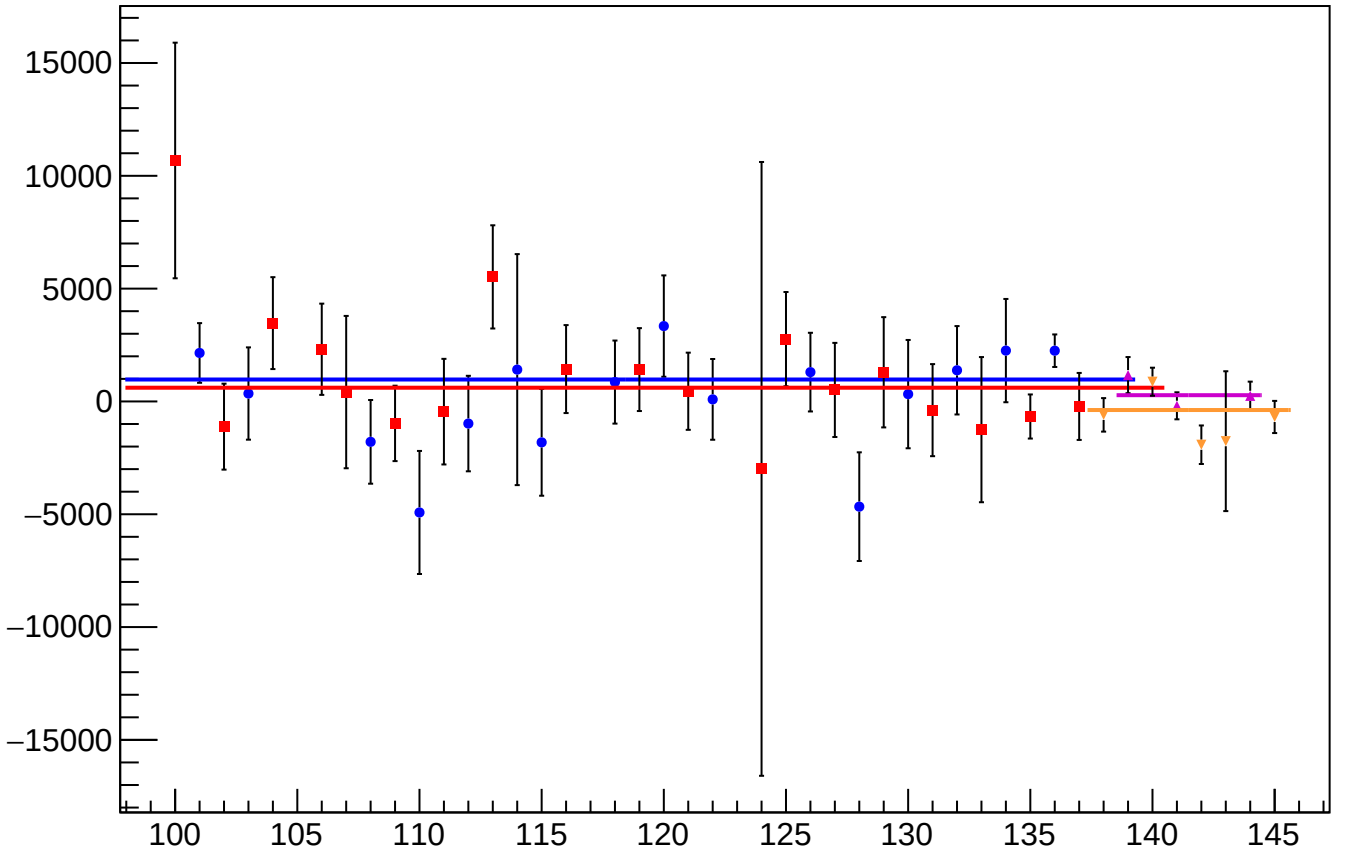
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1310.746+/-0.571 χ^2/NDF:2615.4/2

+ sign 1250.661+/-0.272 χ^2/NDF: 655193.3/20

All: 1266.983+/-0.198 χ^2/NDF: 888650.9/42

- sign 1285.609+/-0.290 χ^2/NDF: 225737.2/21



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -380.603+/-357.015 χ^2/NDF:7.8/4

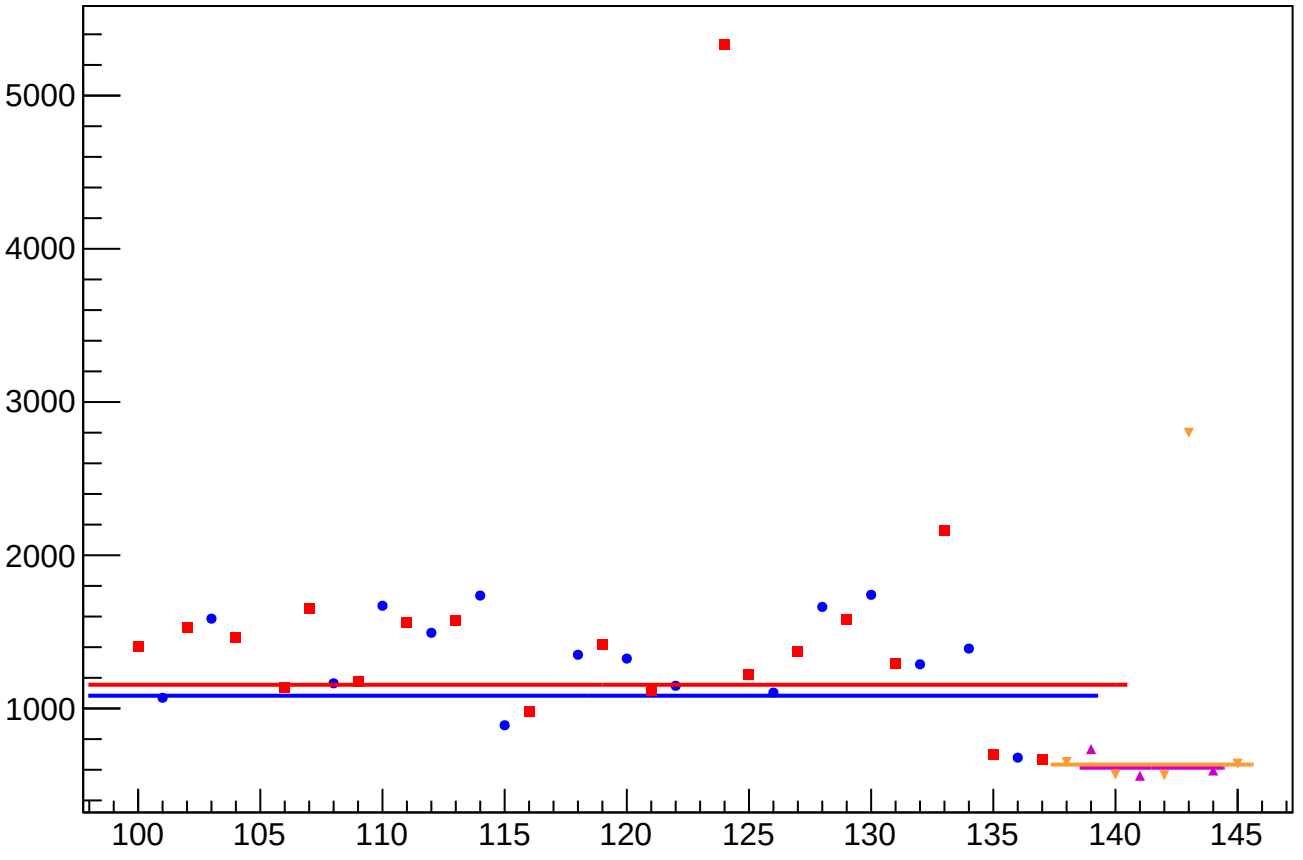
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 277.126+/-381.531 χ^2/NDF:1.9/2

+ sign 178.768+/-273.422 χ^2/NDF: 34.2/20

All: 290.483+/-199.069 χ^2/NDF: 53.8/42

- sign 416.500+/-290.397 χ^2/NDF: 19.3/21



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 634.068+/-0.252 χ^2/NDF:1013458.0/4

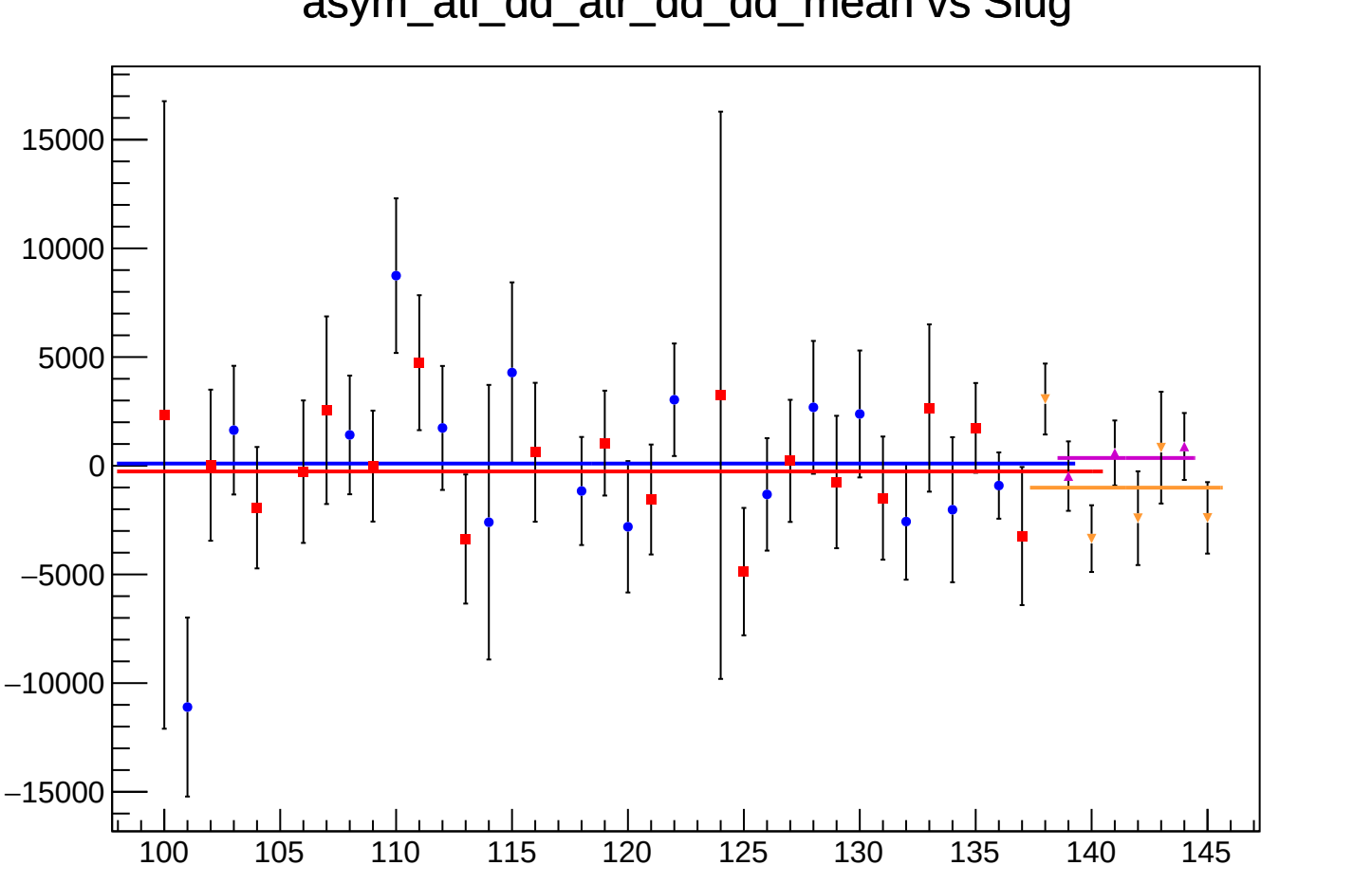
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 613.291+/-0.270 χ^2/NDF:63279.1/2

+ sign 819.827+/-0.193 χ^2/NDF: 3683088.3/20

All: 829.804+/-0.141 χ^2/NDF: 6934678.3/42

- sign 841.059+/-0.205 χ^2/NDF: 3245922.8/21



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

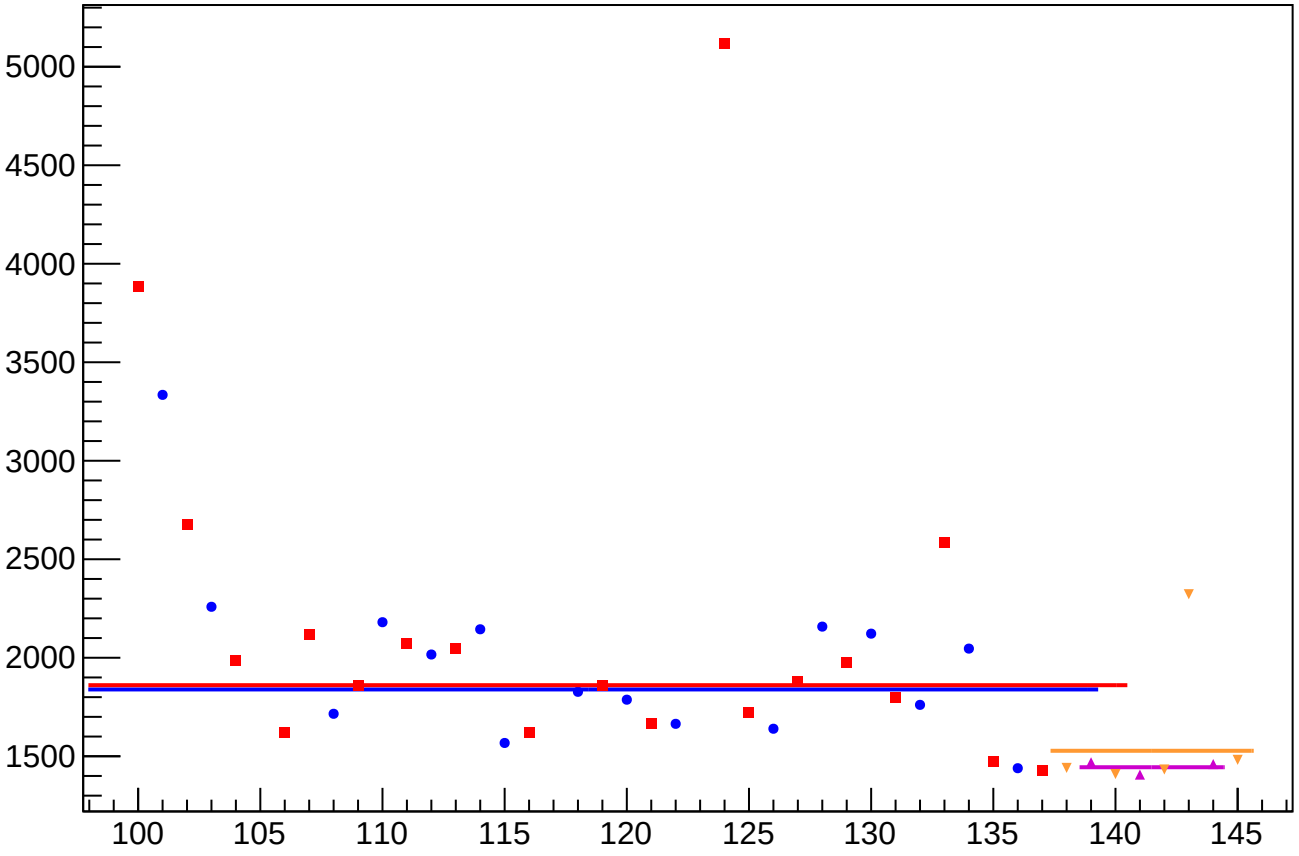
Left In: 356.727+/-890.495 χ^2/NDF:0.4/2

+ sign -374.990+/-528.315 χ^2/NDF: 32.6/20

All: -207.696+/-381.074 χ^2/NDF: 43.9/42

- sign -26.261+/-550.191 χ^2/NDF: 11.0/21

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

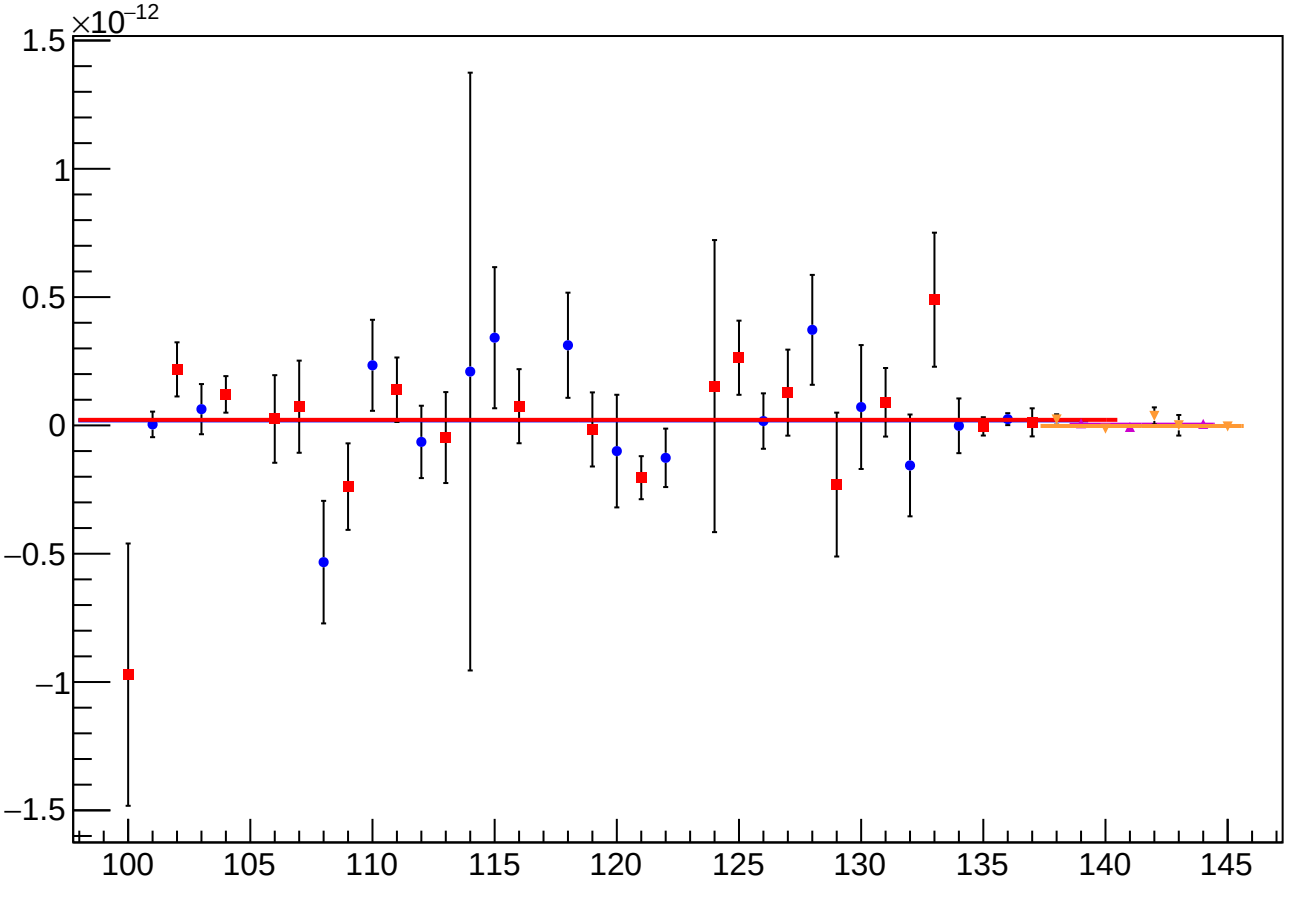
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1444.268+/-0.630 χ^2/NDF:1963.8/2

+ sign 1705.636+/-0.374 χ^2/NDF: 940673.3/20

All: 1703.780+/-0.269 χ^2/NDF: 1735287.9/42

- sign 1701.768+/-0.389 χ^2/NDF: 794563.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

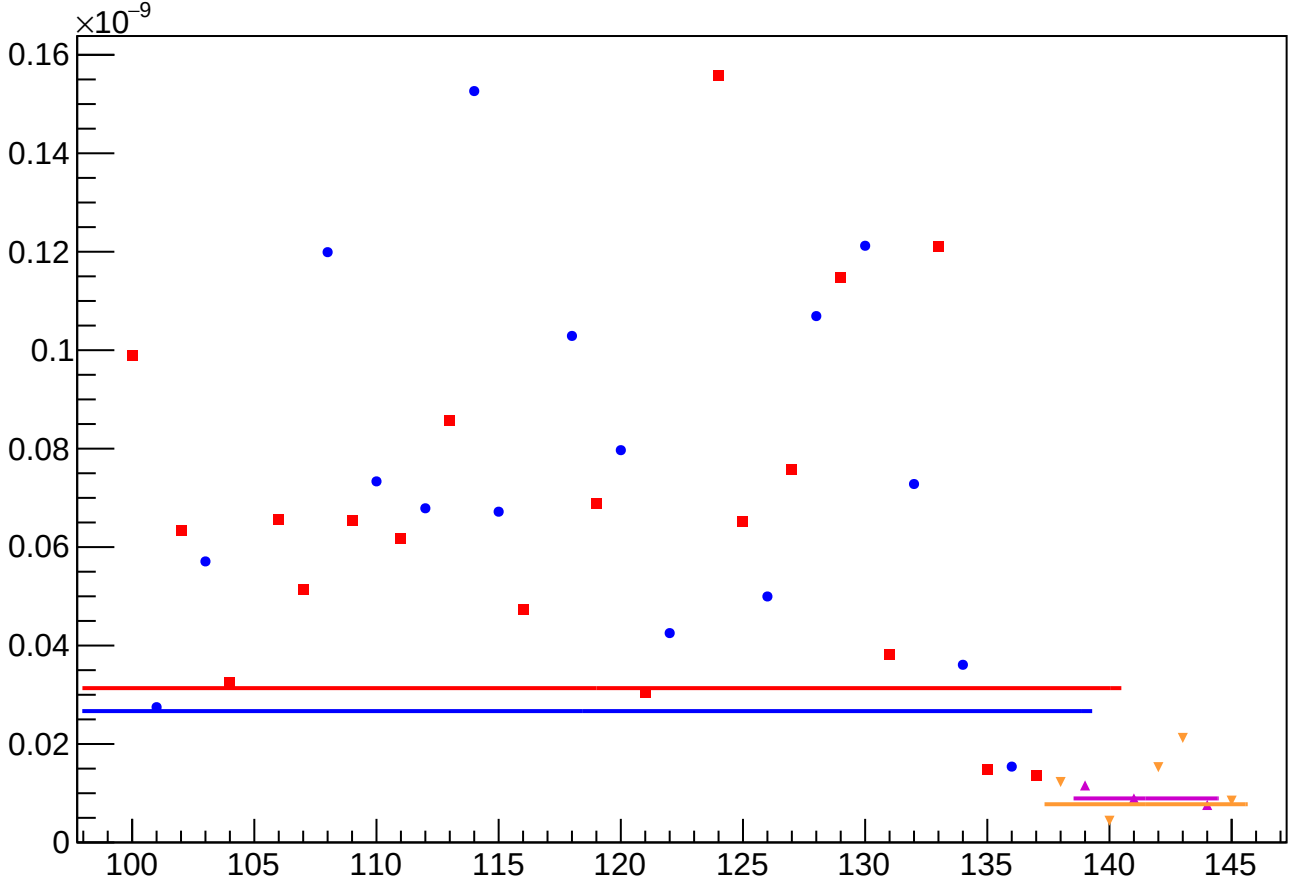
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/20

All: 0.000+/-0.000 χ^2/NDF: 51.0/42

- sign 0.000+/-0.000 χ^2/NDF: 29.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:629833.4/4

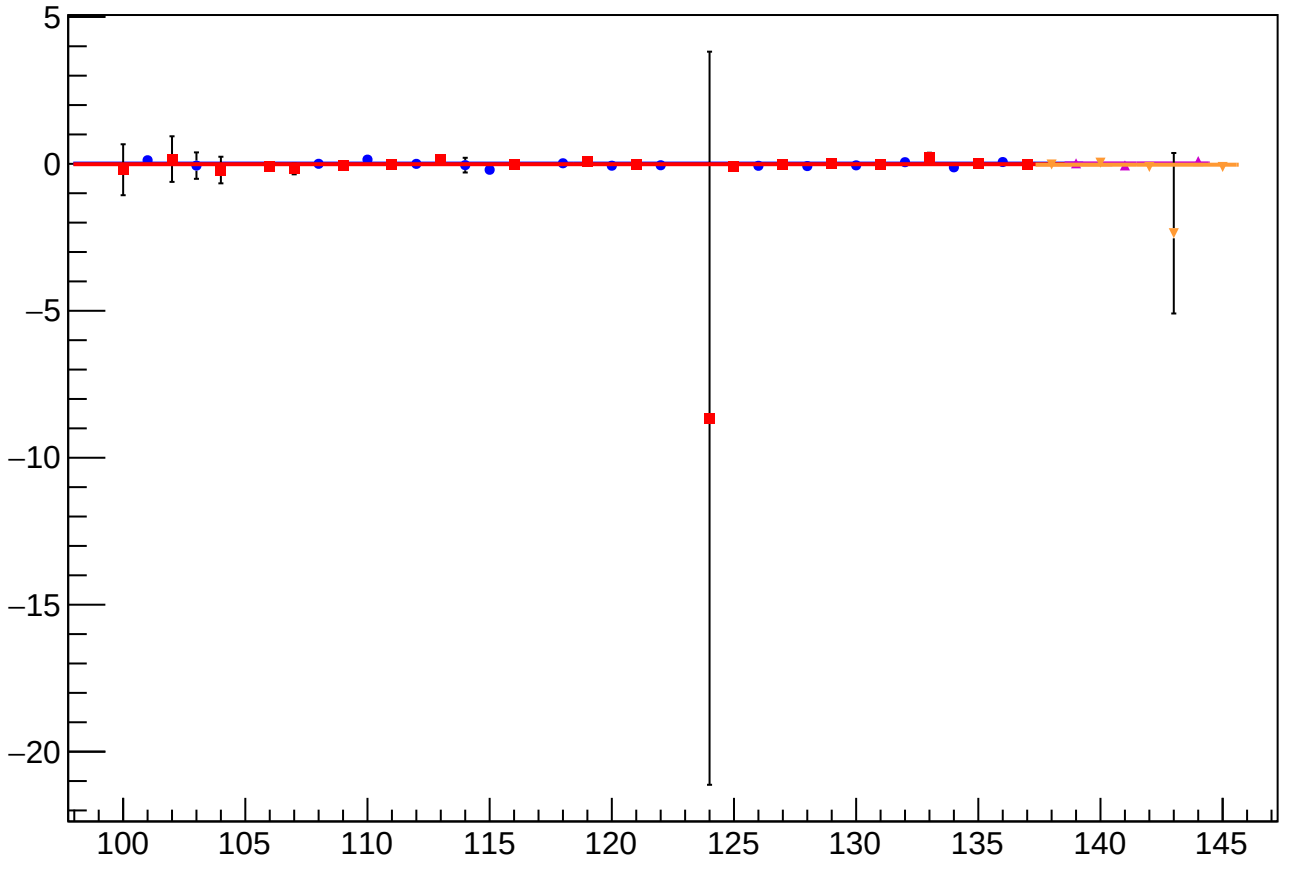
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:59789.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 4947520.3/20

All: 0.000+/-0.000 χ^2/NDF: 9062229.9/42

- sign 0.000+/-0.000 χ^2/NDF: 4069138.1/21



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

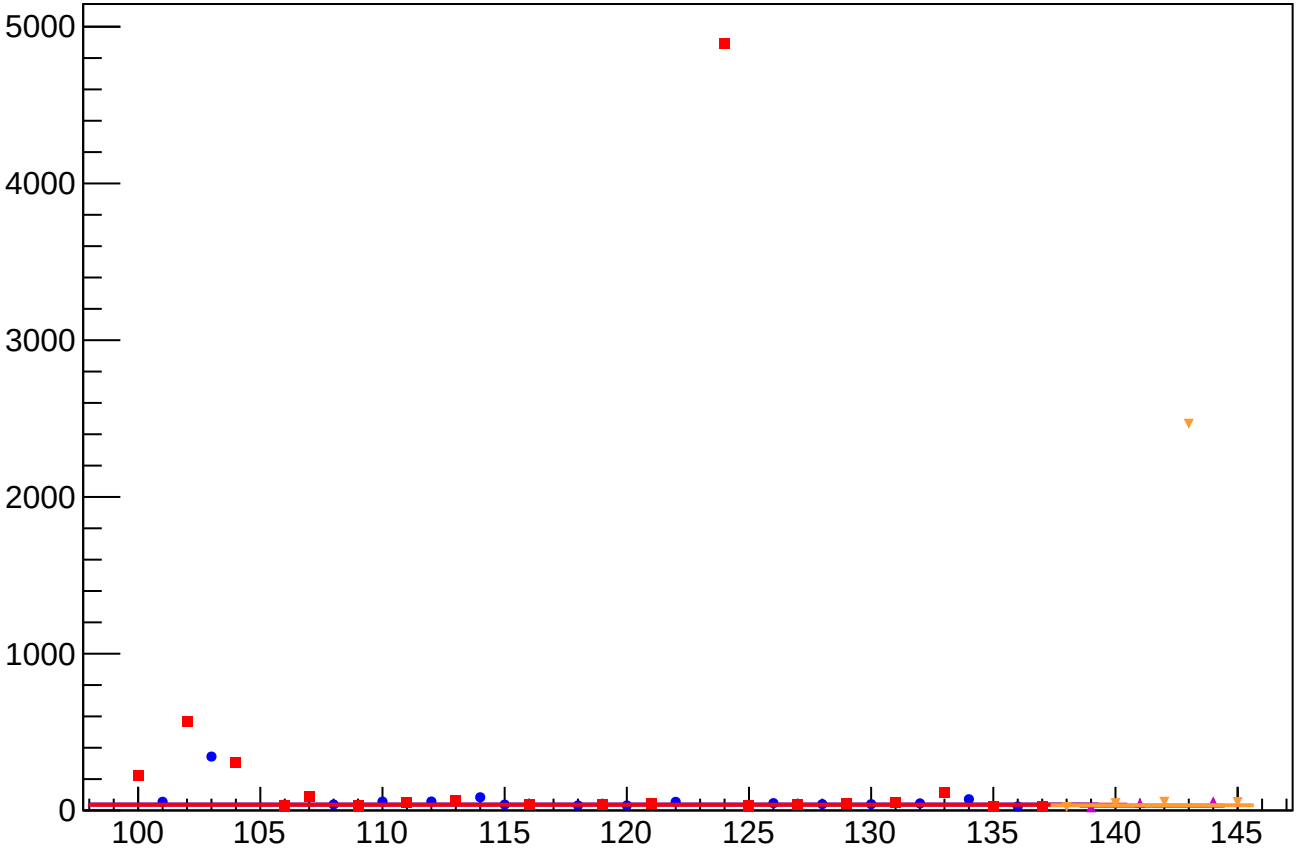
Left In: 0.015+/-0.023 χ^2/NDF:3.3/2

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.004+/-0.009 χ^2/NDF: 42.8/42

- sign -0.003+/-0.013 χ^2/NDF: 16.8/21

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

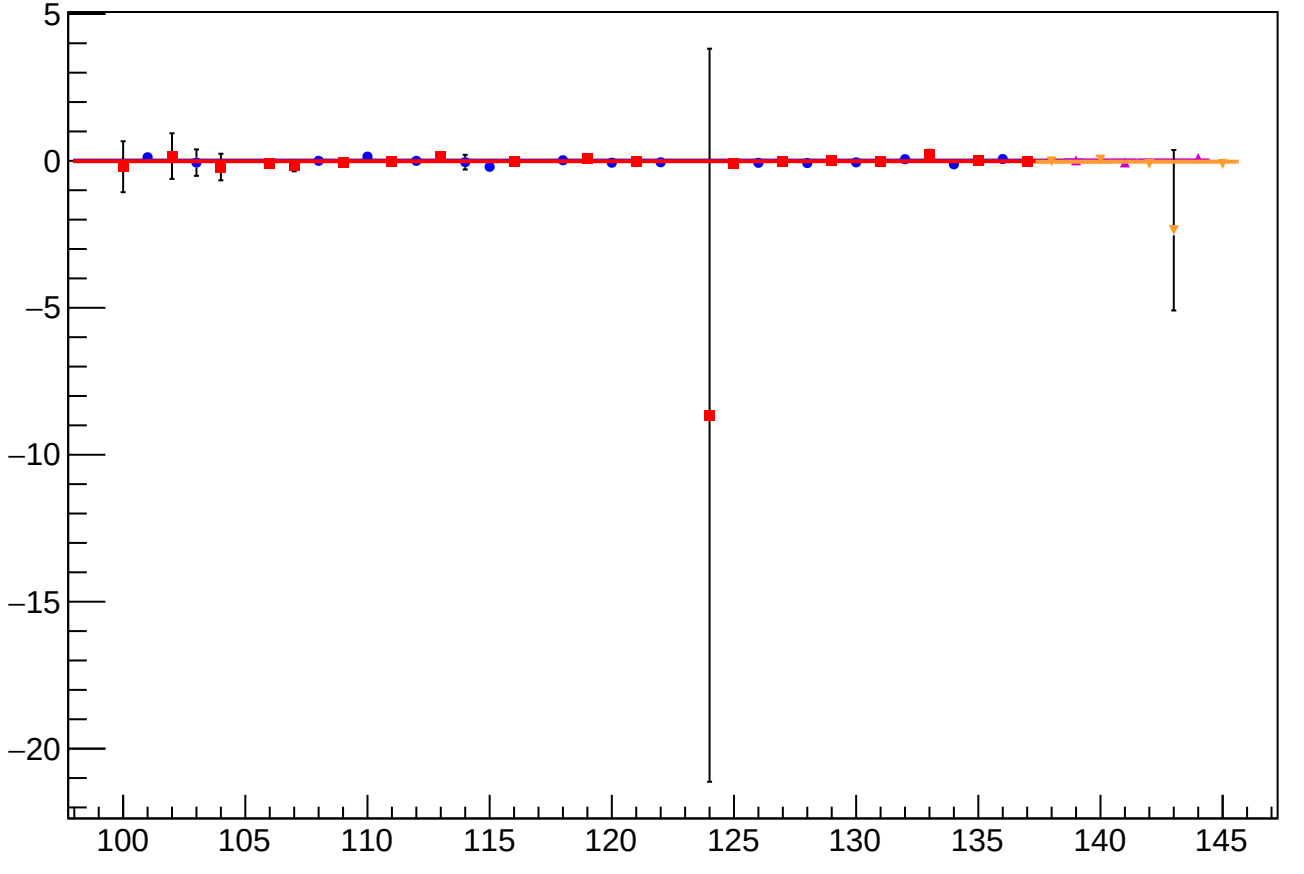
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 30.222+/-0.016 χ^2/NDF:858946.8/2

+ sign 36.007+/-0.009 χ^2/NDF: 4405254.3/20

All: 35.255+/-0.007 χ^2/NDF: 8577433.9/42

- sign 34.467+/-0.009 χ^2/NDF: 4158656.1/21



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

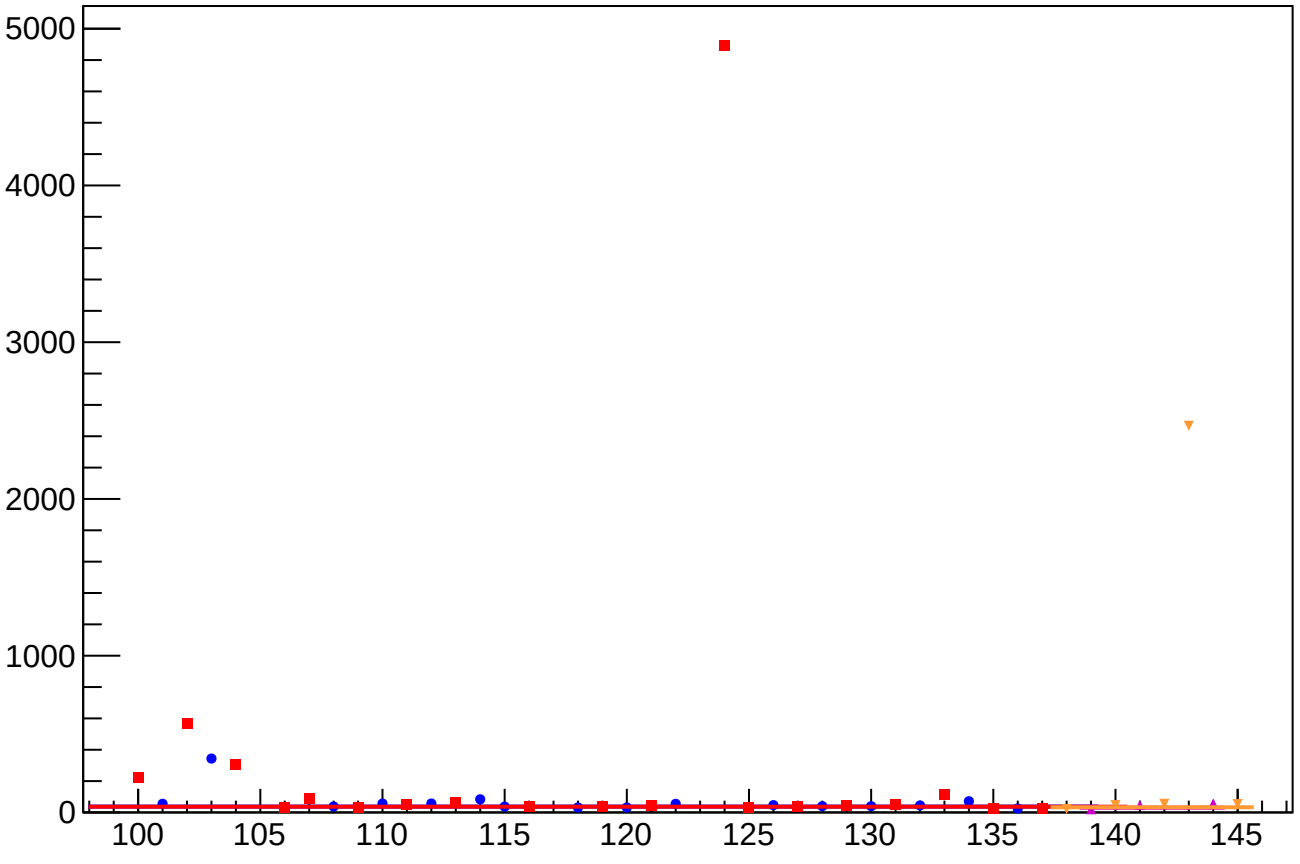
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.023 χ^2/NDF:3.3/2

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.004+/-0.009 χ^2/NDF: 42.8/42

- sign -0.003+/-0.013 χ^2/NDF: 16.8/21



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.091+/-0.016 χ^2/NDF:2371298.2/4

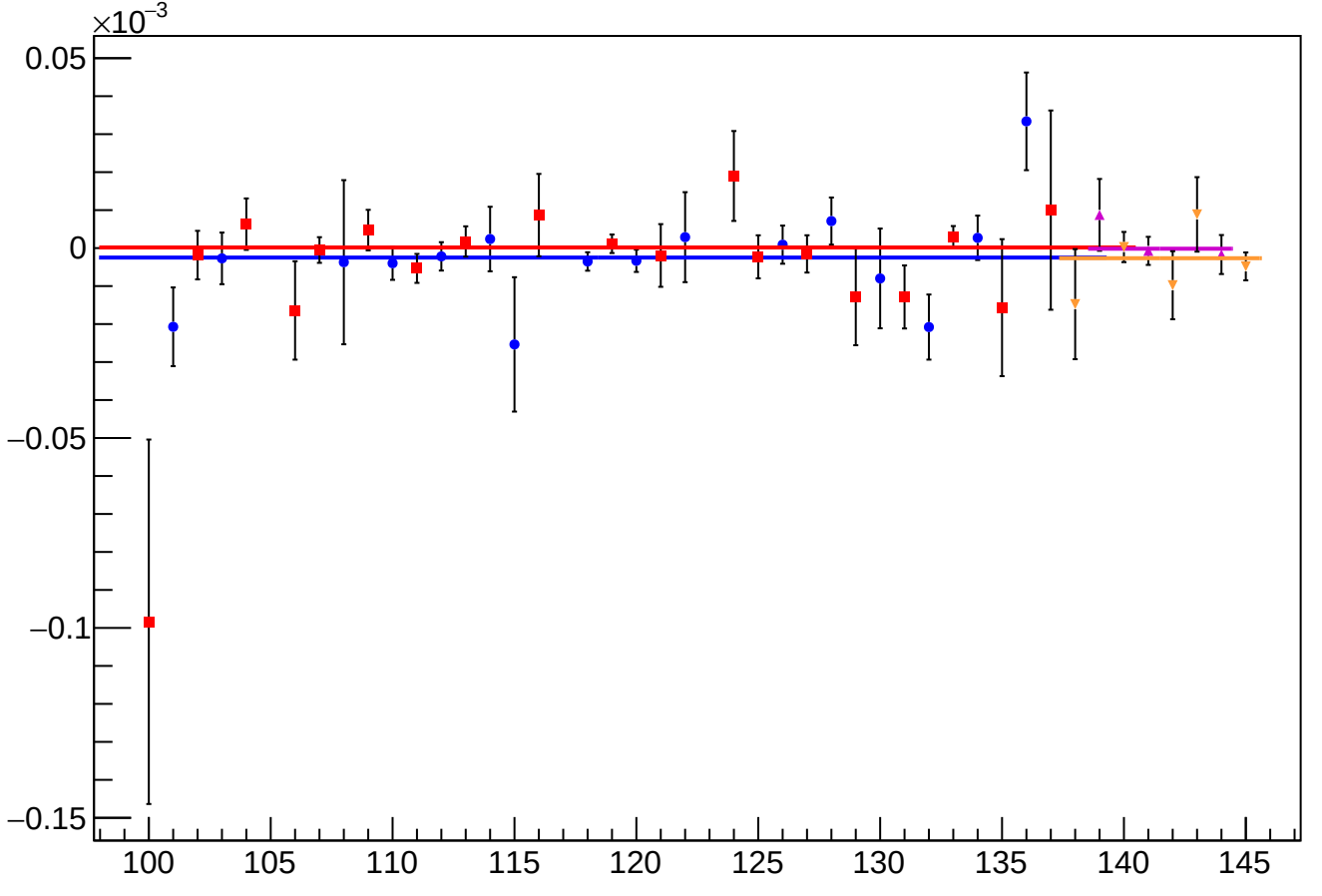
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 30.222+/-0.016 χ^2/NDF:858946.8/2

+ sign 36.007+/-0.009 χ^2/NDF: 4405254.3/20

All: 35.255+/-0.007 χ^2/NDF: 8577433.9/42

- sign 34.467+/-0.009 χ^2/NDF: 4158656.1/21



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

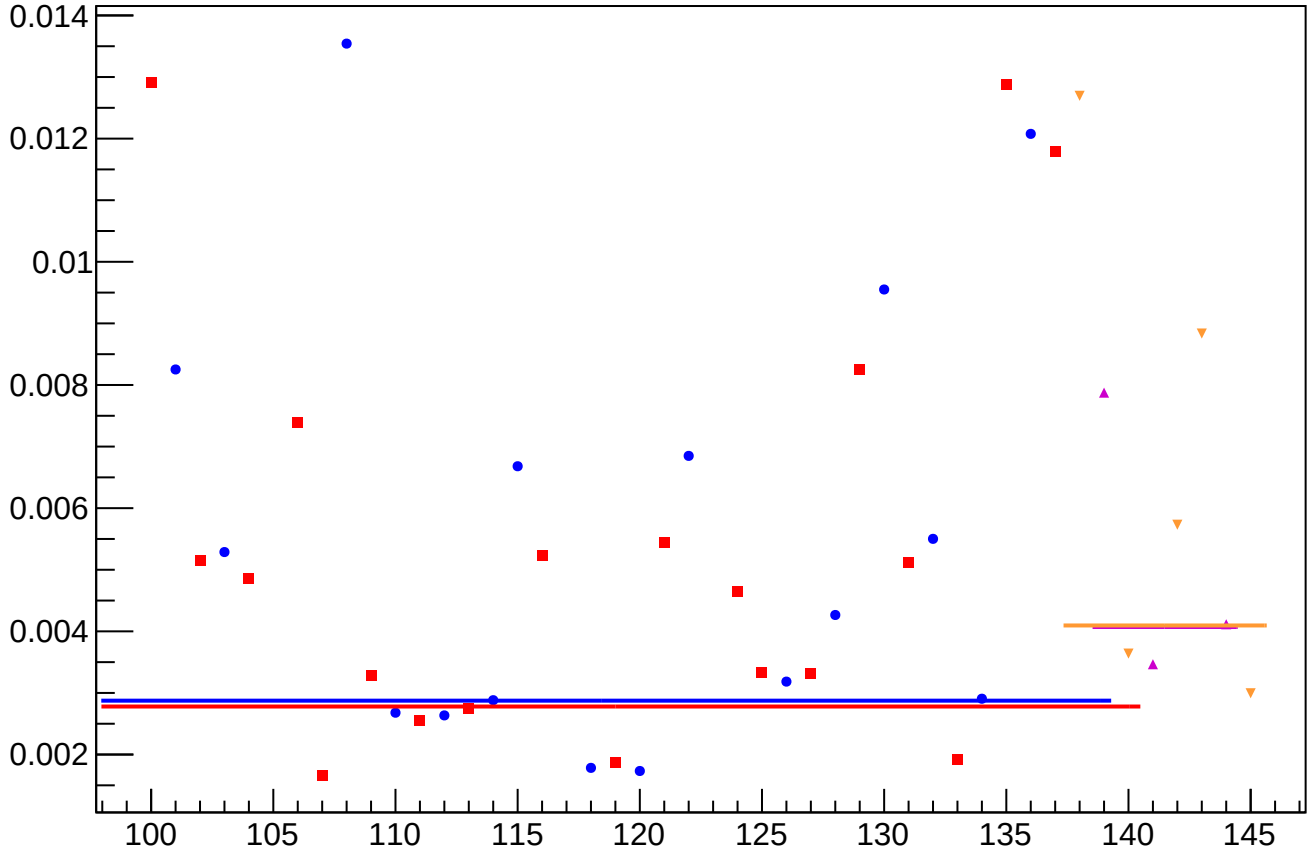
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/20

All: -0.000+/-0.000 χ^2/NDF: 48.1/42

- sign 0.000+/-0.000 χ^2/NDF: 19.9/21



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1444443.2/4

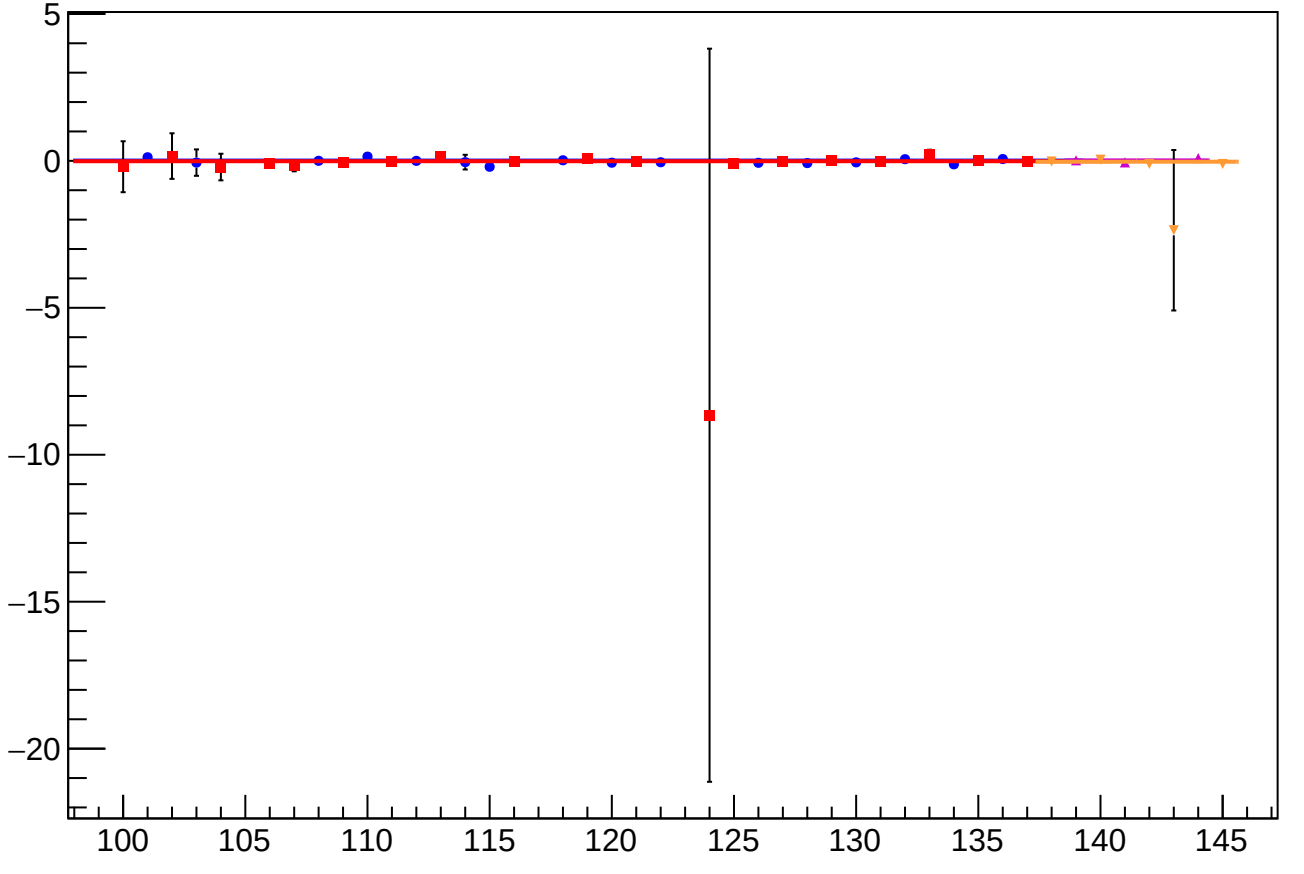
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:377473.0/2

+ sign 0.003+/-0.000 χ^2/NDF: 5980670.4/20

All: 0.003+/-0.000 χ^2/NDF: 10043209.1/42

- sign 0.003+/-0.000 χ^2/NDF: 4037570.3/21



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

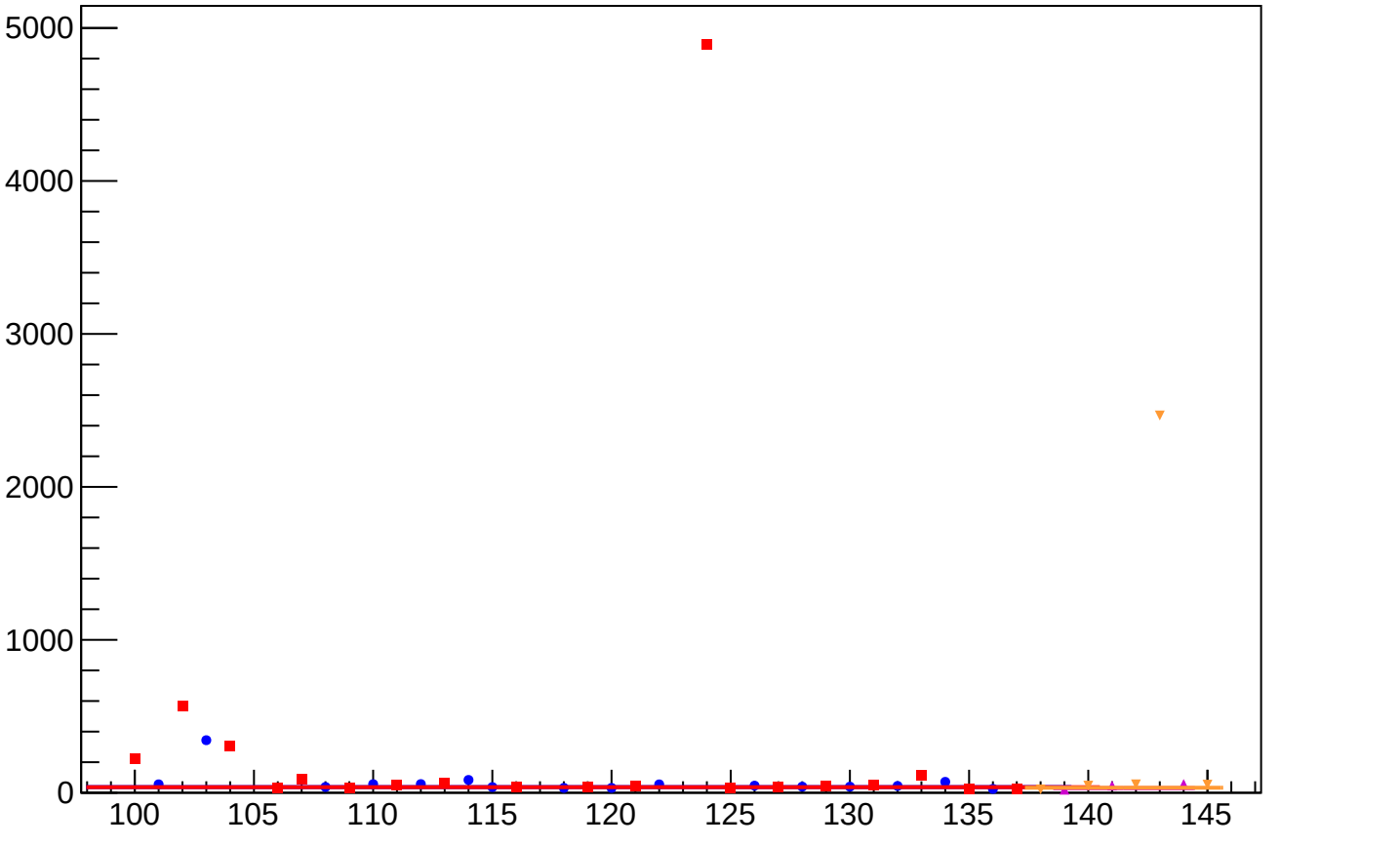
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.023 χ^2/NDF:3.3/2

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.004+/-0.009 χ^2/NDF: 42.8/42

- sign -0.003+/-0.013 χ^2/NDF: 16.8/21



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

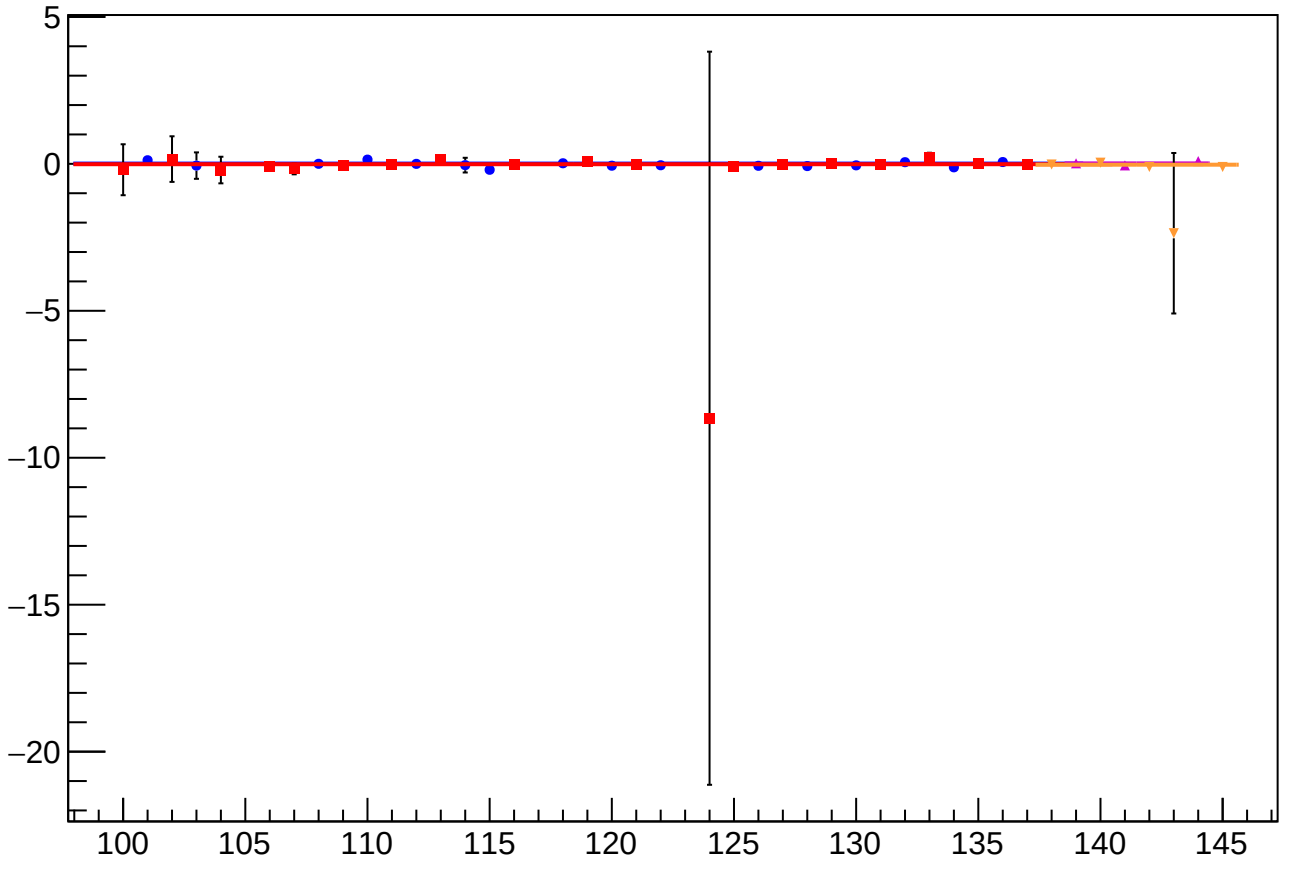
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 30.232+/-0.016 χ^2/NDF:858389.9/2

+ sign 36.005+/-0.009 χ^2/NDF: 4405626.9/20

All: 35.256+/-0.007 χ^2/NDF: 8576525.5/42

- sign 34.473+/-0.009 χ^2/NDF: 4157487.9/21



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

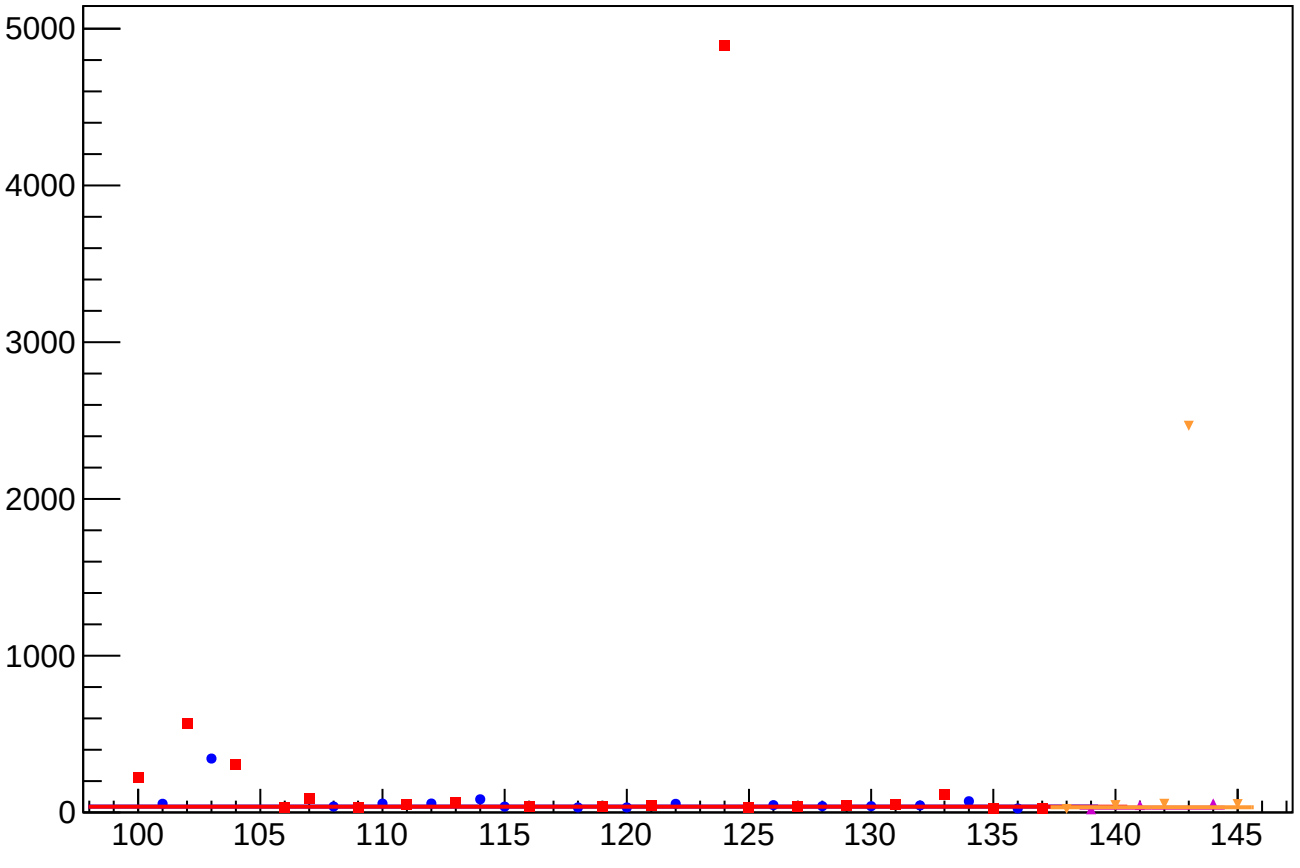
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.023 χ^2/NDF:3.3/2

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.004+/-0.009 χ^2/NDF: 42.8/42

- sign -0.003+/-0.013 χ^2/NDF: 16.8/21



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

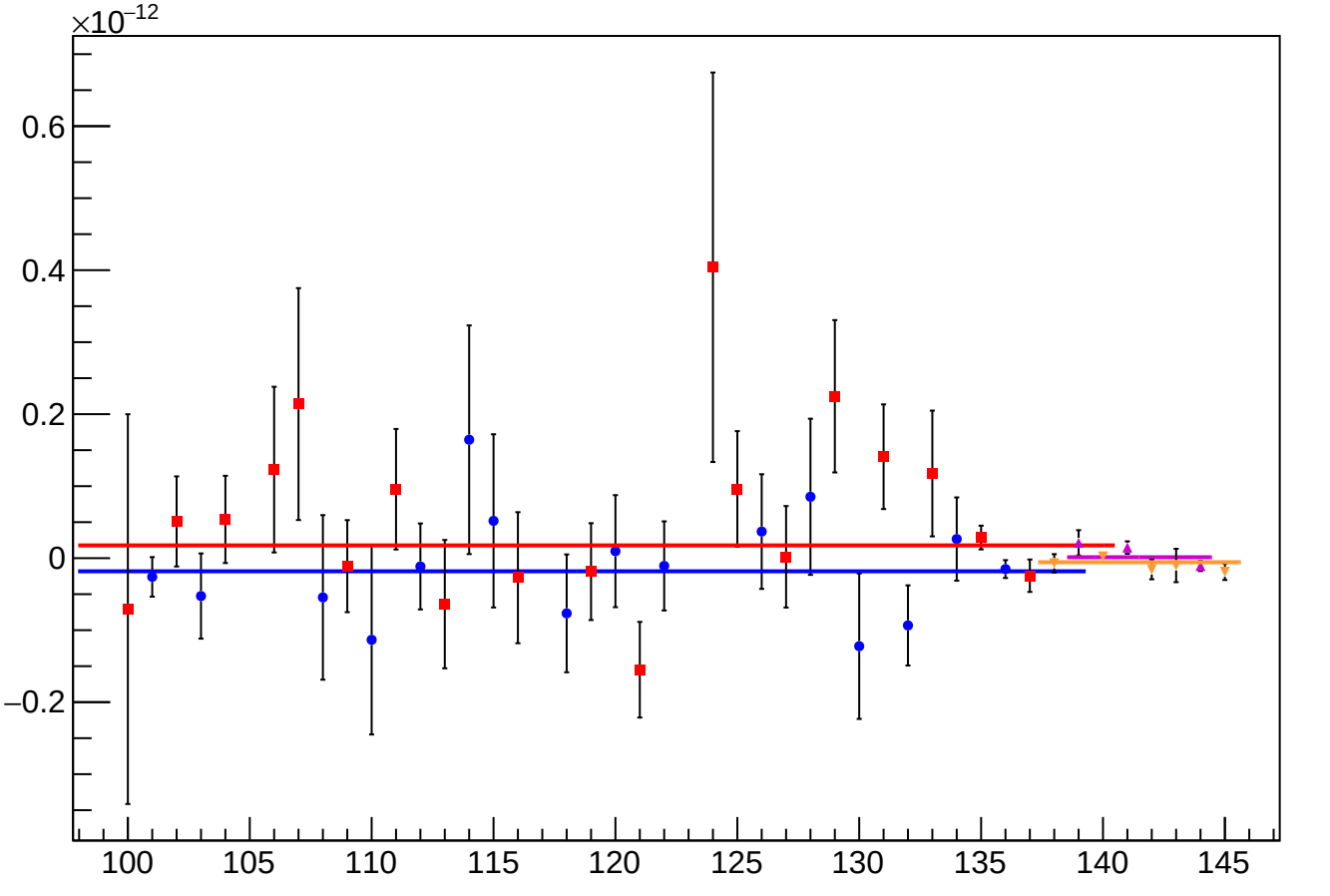
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 30.232+/-0.016 χ^2/NDF:858389.9/2

+ sign 36.005+/-0.009 χ^2/NDF: 4405626.9/20

All: 35.256+/-0.007 χ^2/NDF: 8576525.5/42

- sign 34.473+/-0.009 χ^2/NDF: 4157487.9/21



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/4

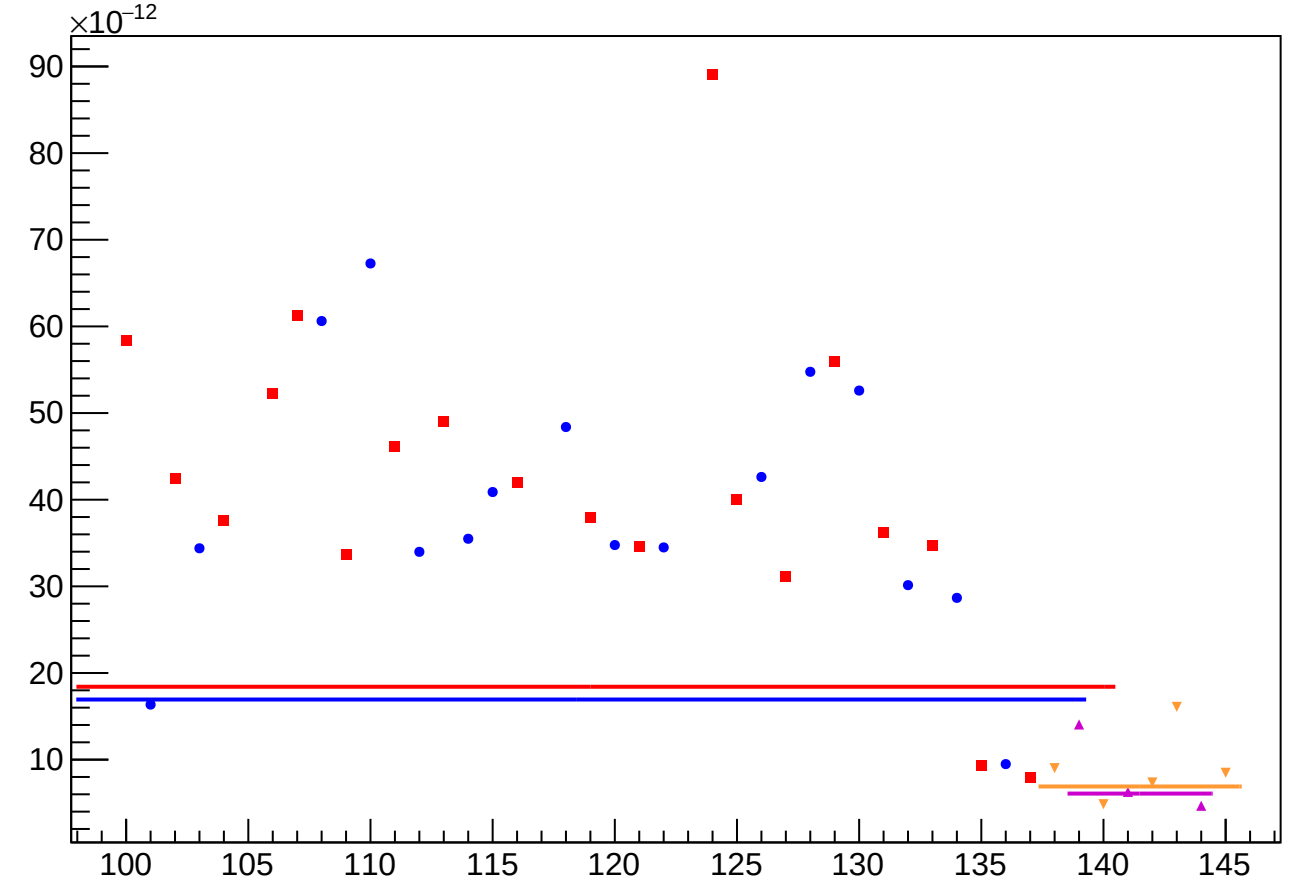
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 13.0/20

All: -0.000+/-0.000 χ^2/NDF: 52.5/42

- sign 0.000+/-0.000 χ^2/NDF: 35.8/21



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

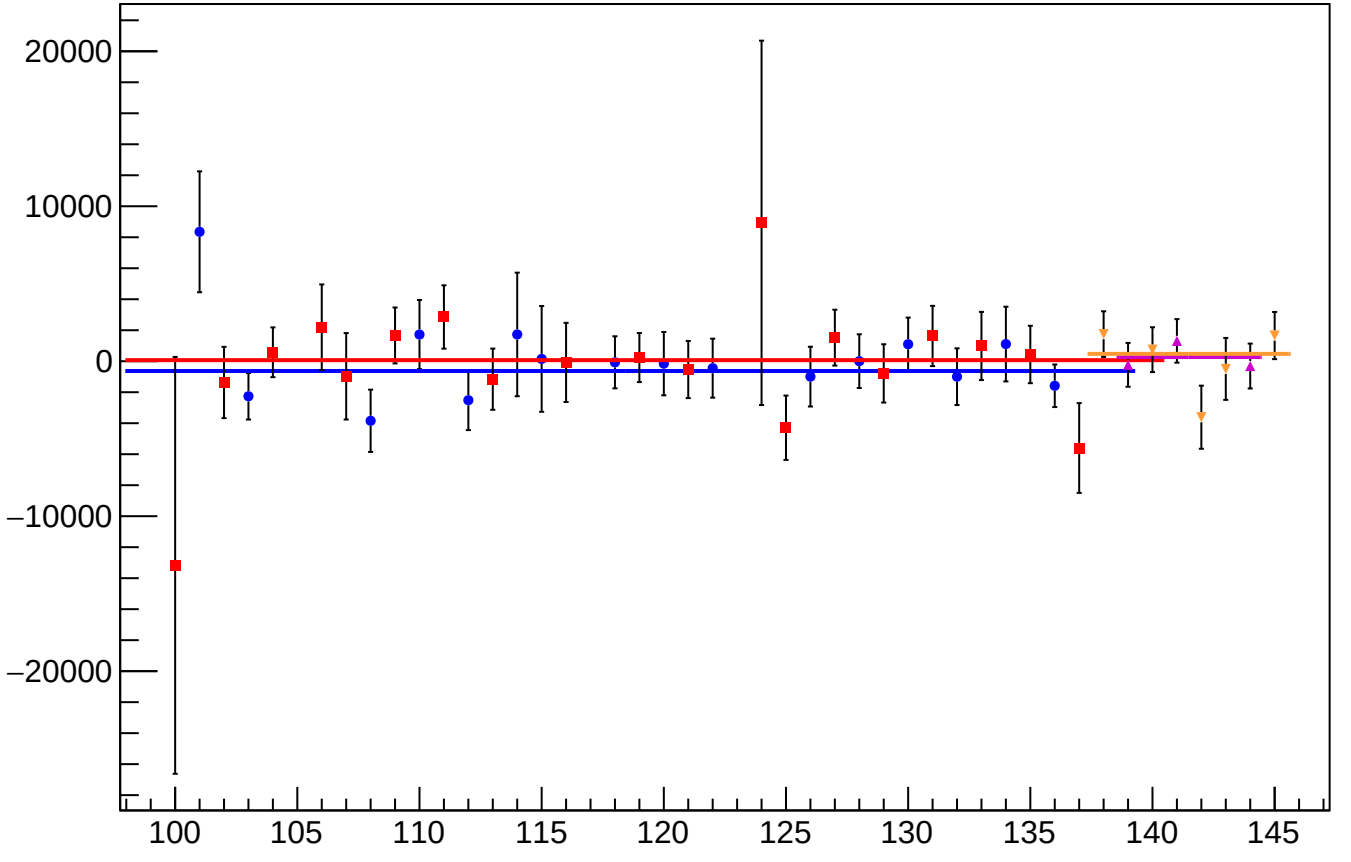
Left In: 0.000+/-0.000 χ^2/NDF:493025.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 5459586.3/20

All: 0.000+/-0.000 χ^2/NDF: 11676034.0/42

- sign 0.000+/-0.000 χ^2/NDF: 6204192.6/21

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

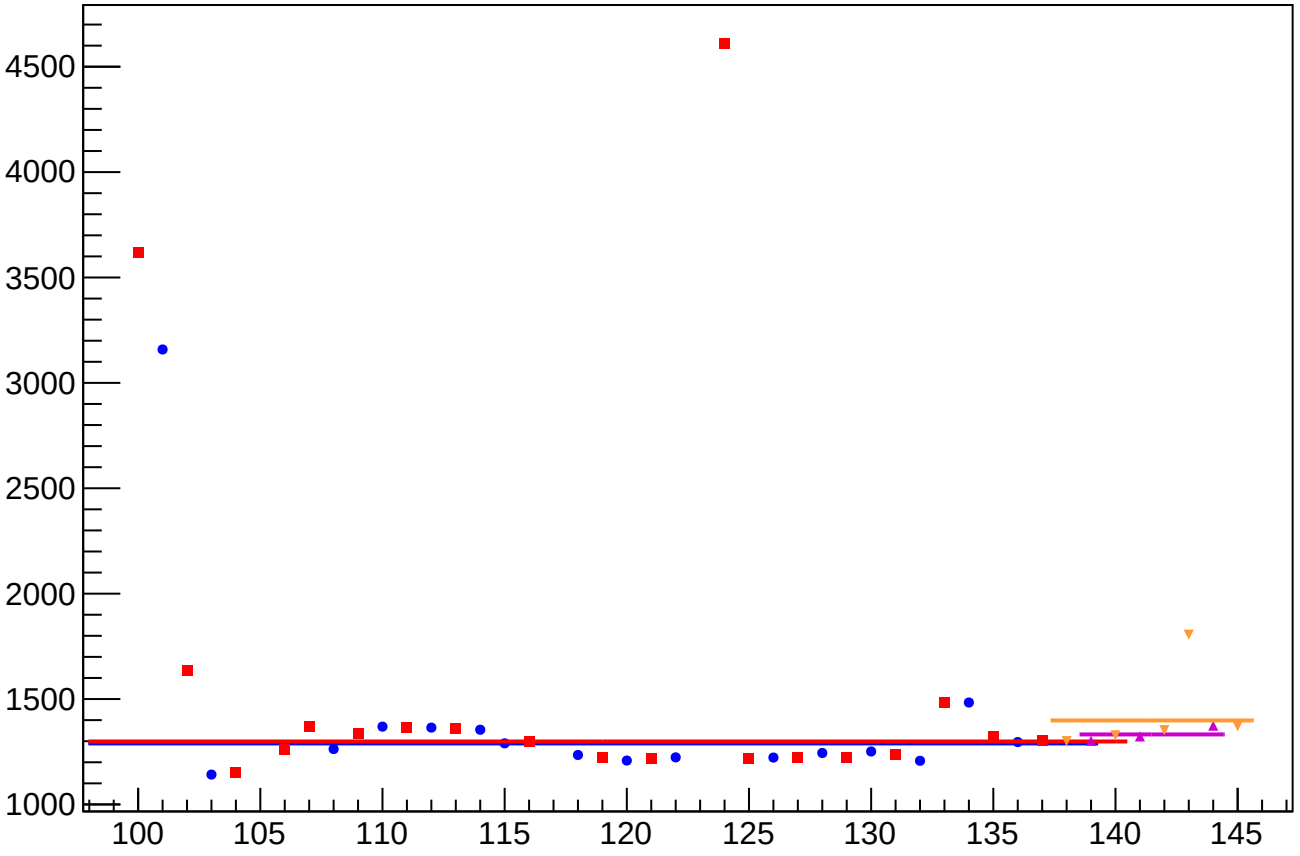
Left In: 269.681+/-821.347 χ^2/NDF:0.8/2

+ sign -290.574+/-406.524 χ^2/NDF: 21.1/20

All: -91.525+/-291.896 χ^2/NDF: 38.4/42

- sign 120.317+/-419.384 χ^2/NDF: 16.7/21

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

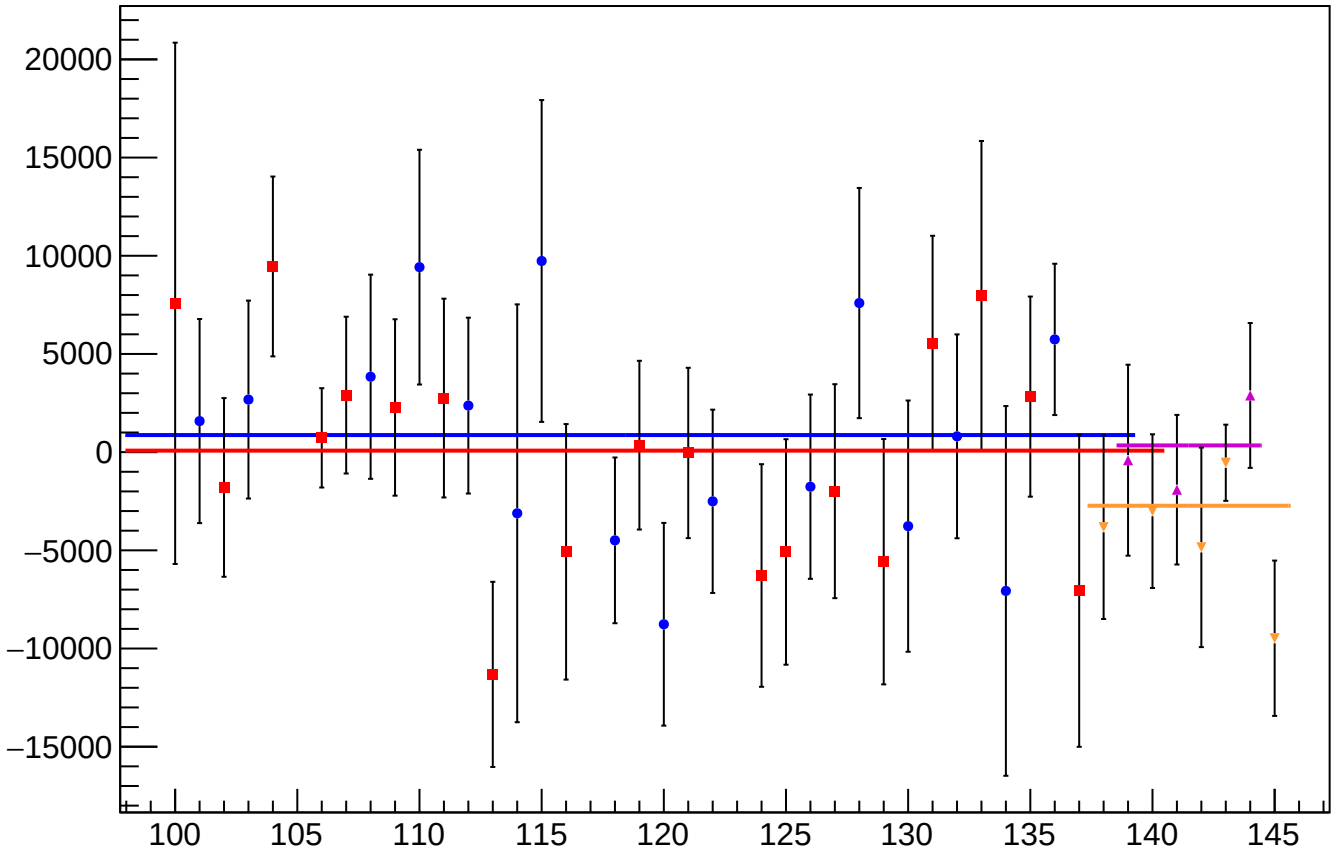
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1332.130+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643518.3/20

All: 1315.416+/-0.206 χ^2/NDF: 969448.6/42

- sign 1307.349+/-0.296 χ^2/NDF: 324486.8/21



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2728.713+/-1444.041 χ^2/NDF:4.4/4

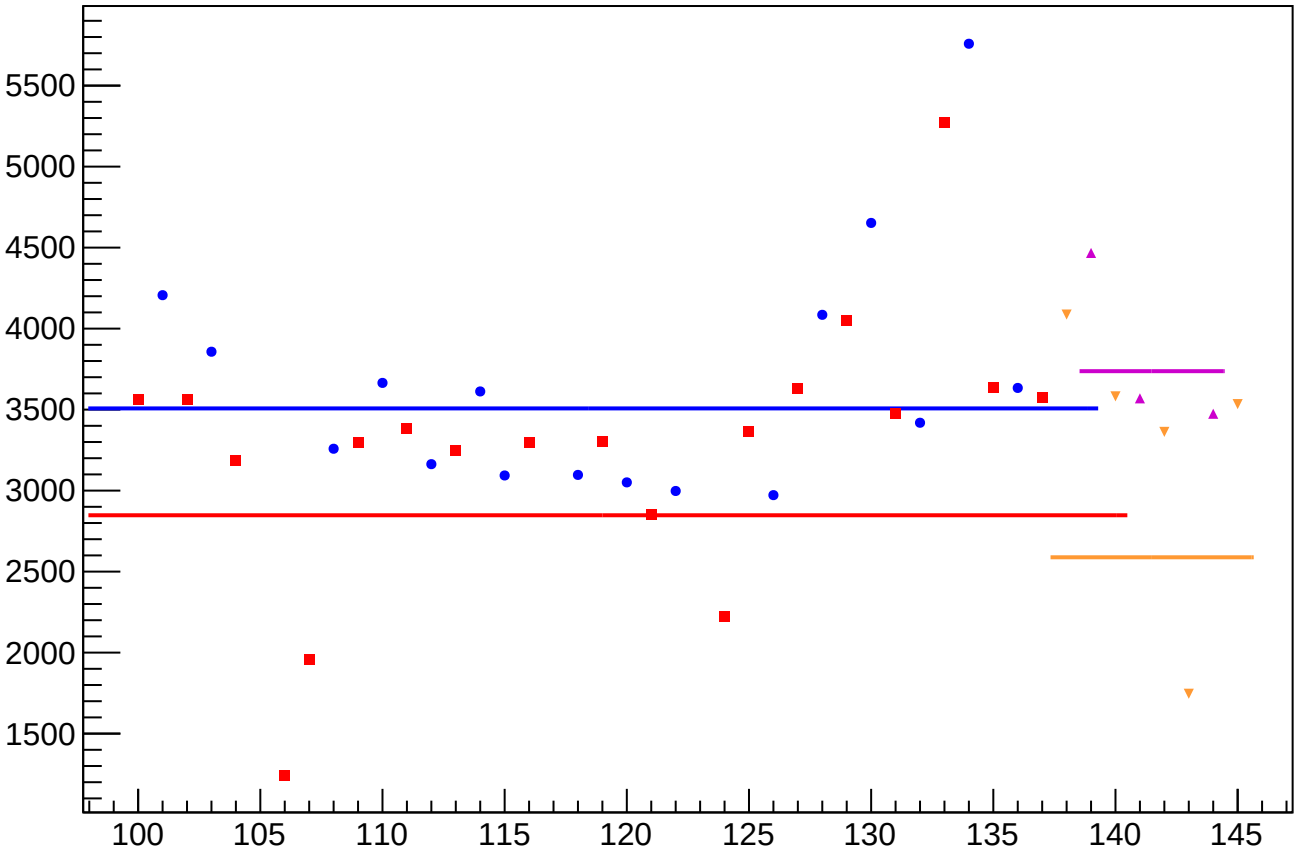
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 341.754+/-2326.506 χ^2/NDF:0.9/2

+ sign -775.149+/-976.404 χ^2/NDF: 21.8/20

All: -336.293+/-699.502 χ^2/NDF: 41.5/42

- sign 126.433+/-1002.607 χ^2/NDF: 19.2/21



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

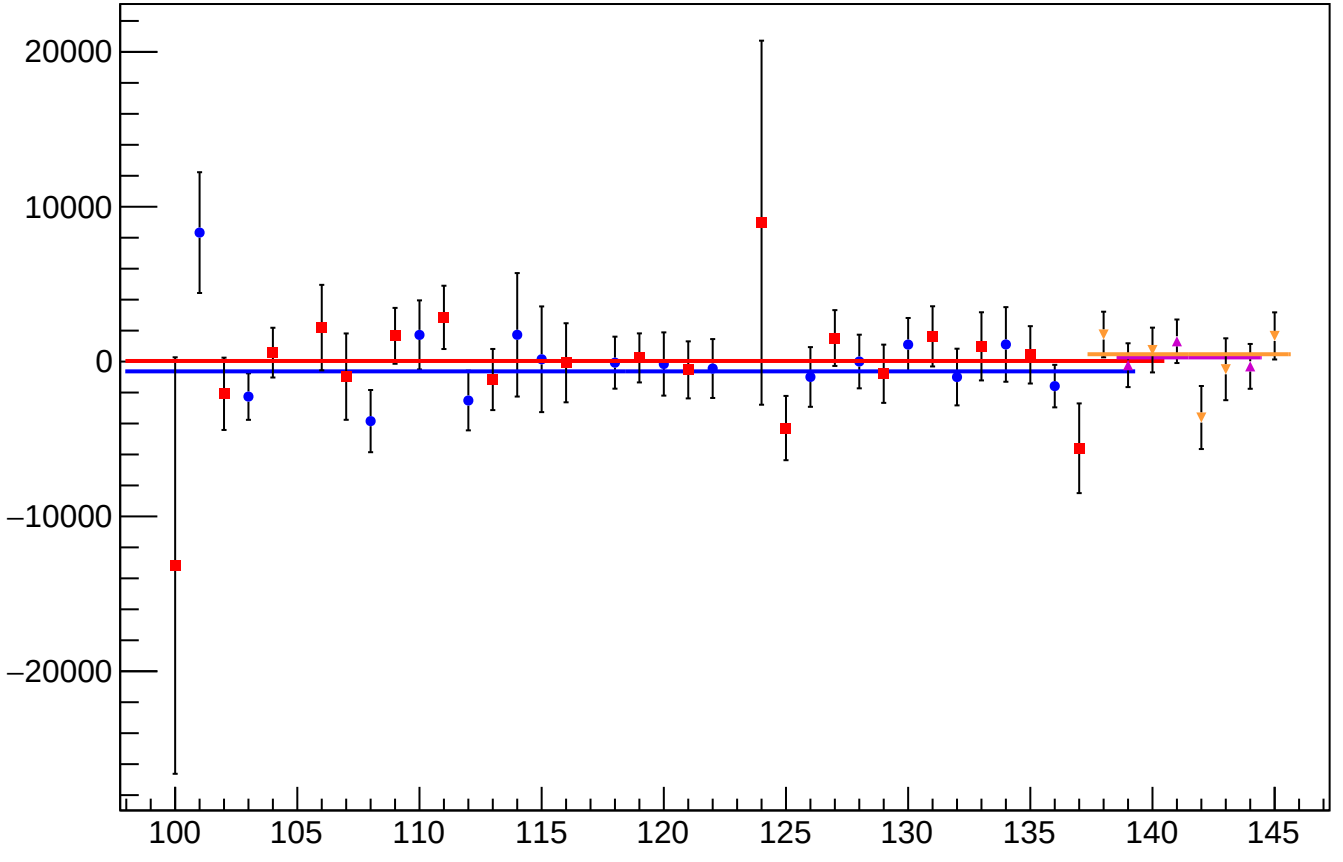
Left In: 3737.276+/-1.645 χ^2/NDF:59109.6/2

+ sign 3087.222+/-0.690 χ^2/NDF: 1666091.3/20

All: 3051.102+/-0.495 χ^2/NDF: 3468228.2/42

- sign 3013.018+/-0.709 χ^2/NDF: 1796514.3/21

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

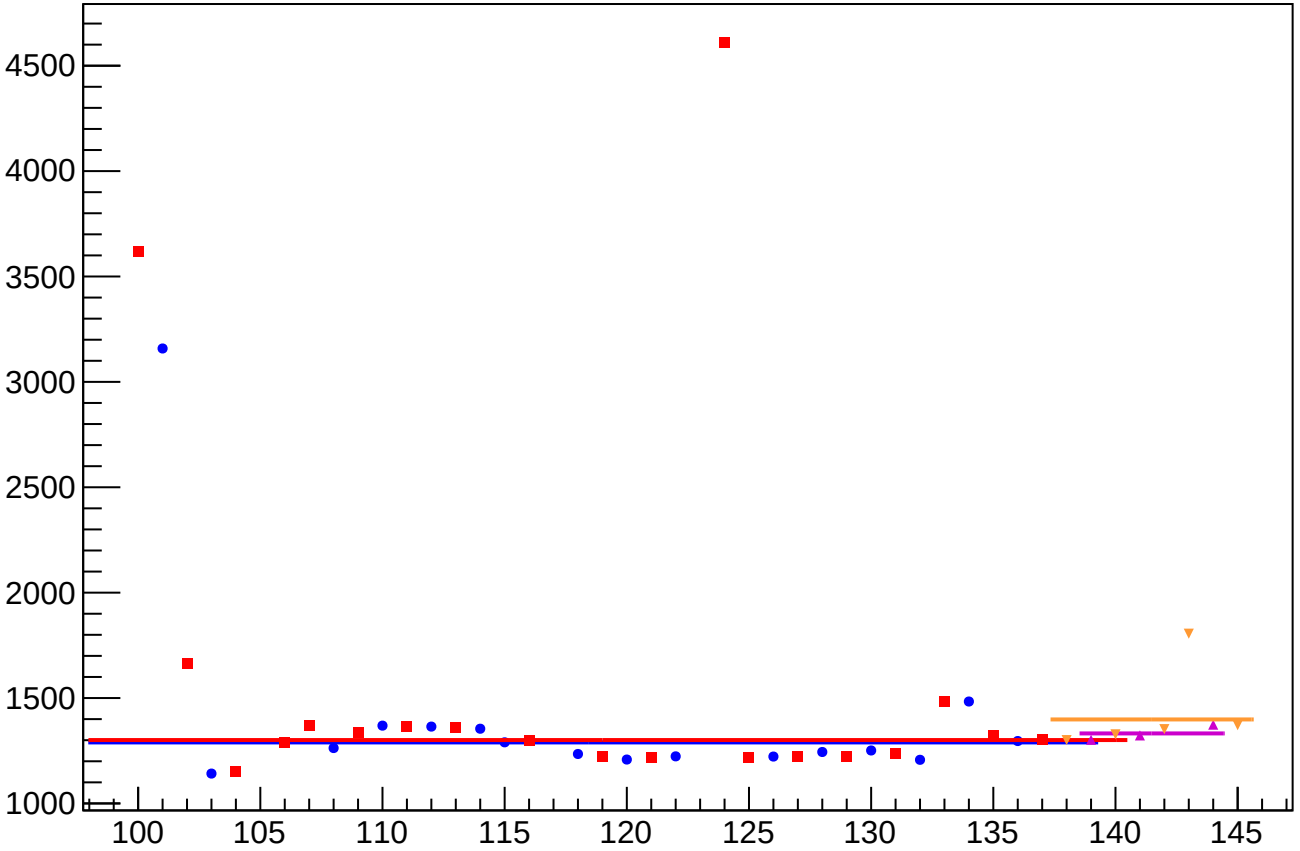
Left In: 269.641+/-821.347 χ^2/NDF:0.8/2

+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -102.121+/-291.966 χ^2/NDF: 38.8/42

- sign 98.913+/-419.590 χ^2/NDF: 17.2/21

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

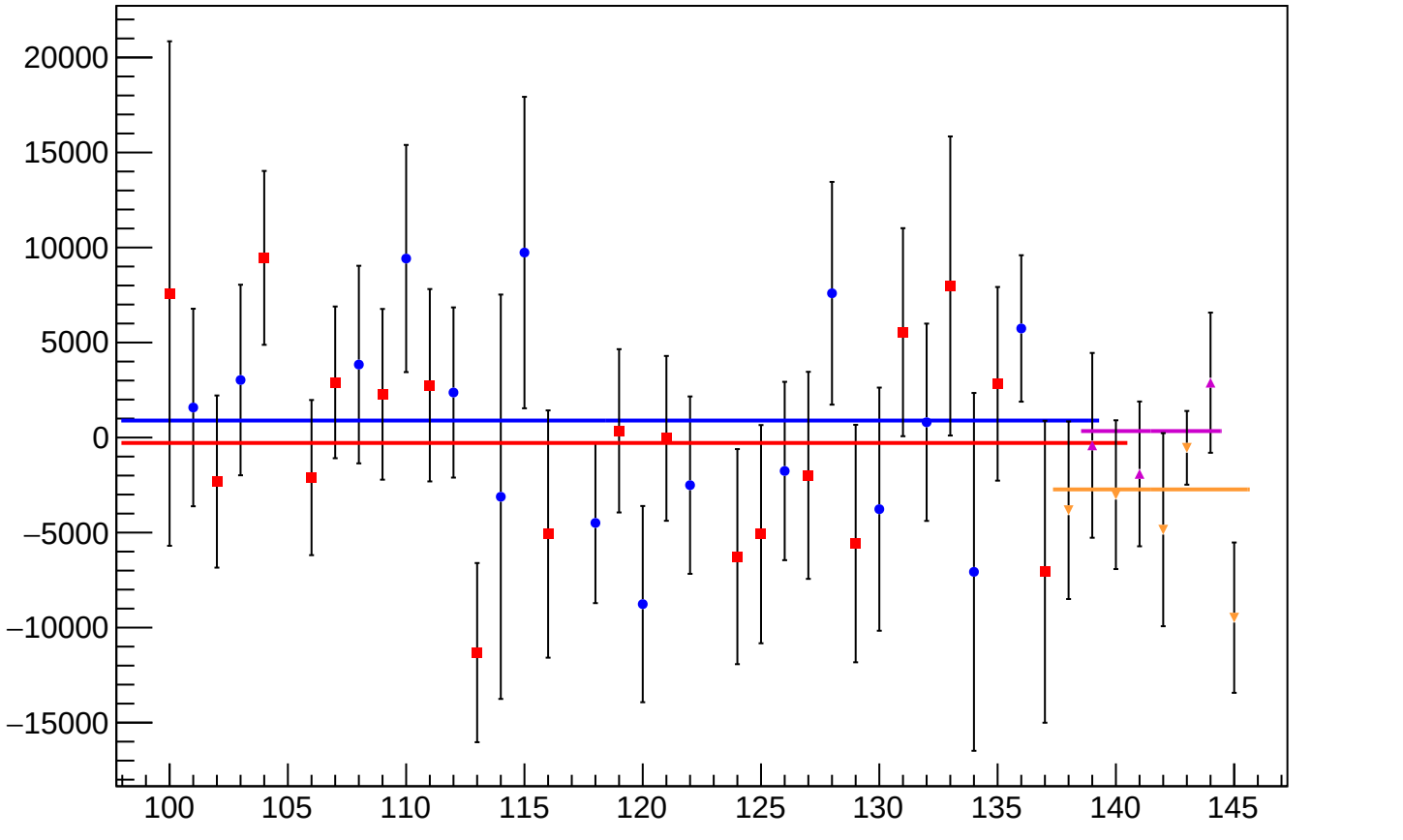
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1316.161+/-0.206 χ^2/NDF: 975424.8/42

- sign 1308.868+/-0.296 χ^2/NDF: 330728.9/21



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2728.480+/-1444.035 χ^2/NDF:4.4/4

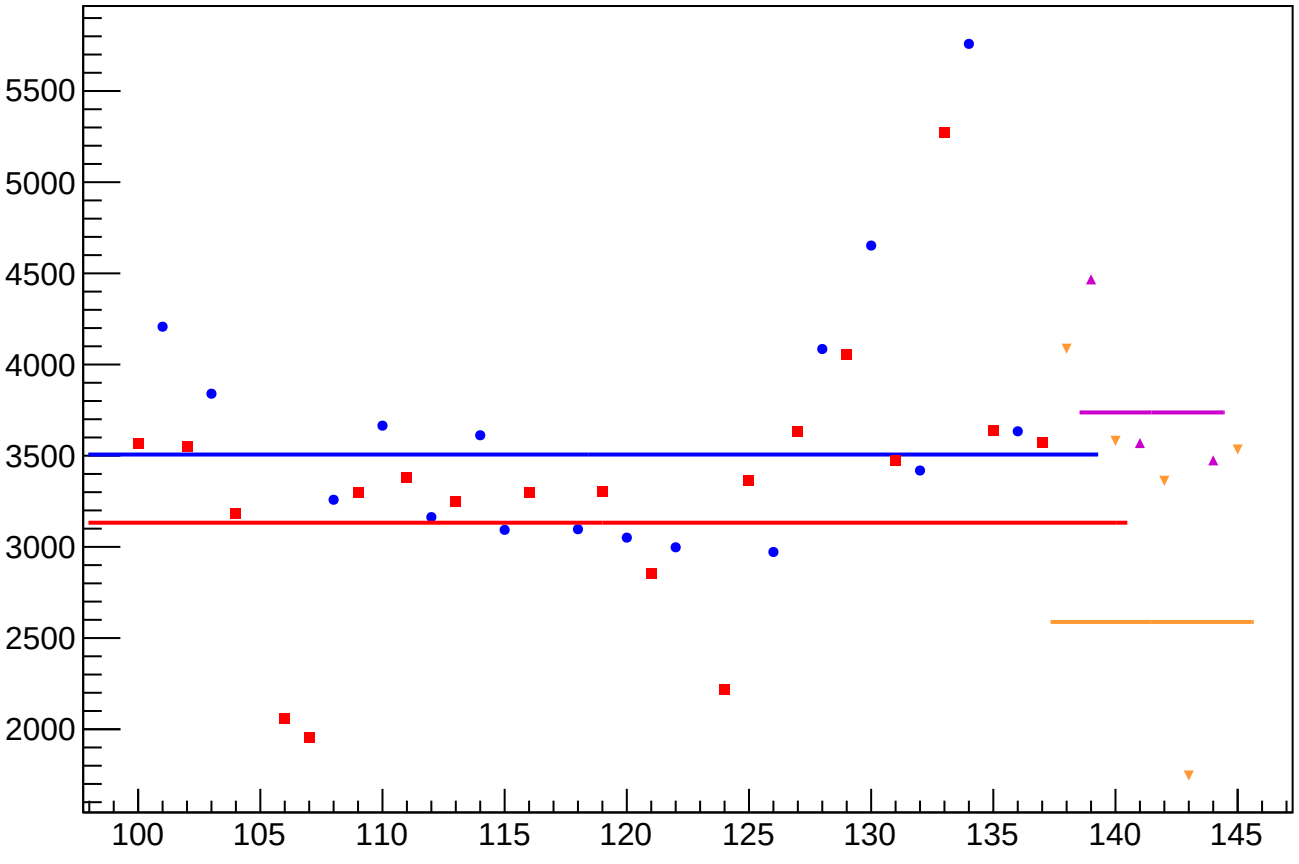
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 341.762+/-2326.502 χ^2/NDF:0.9/2

+ sign -760.469+/-976.220 χ^2/NDF: 21.9/20

All: -481.252+/-716.408 χ^2/NDF: 41.6/42

- sign -155.383+/-1054.624 χ^2/NDF: 19.5/21



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

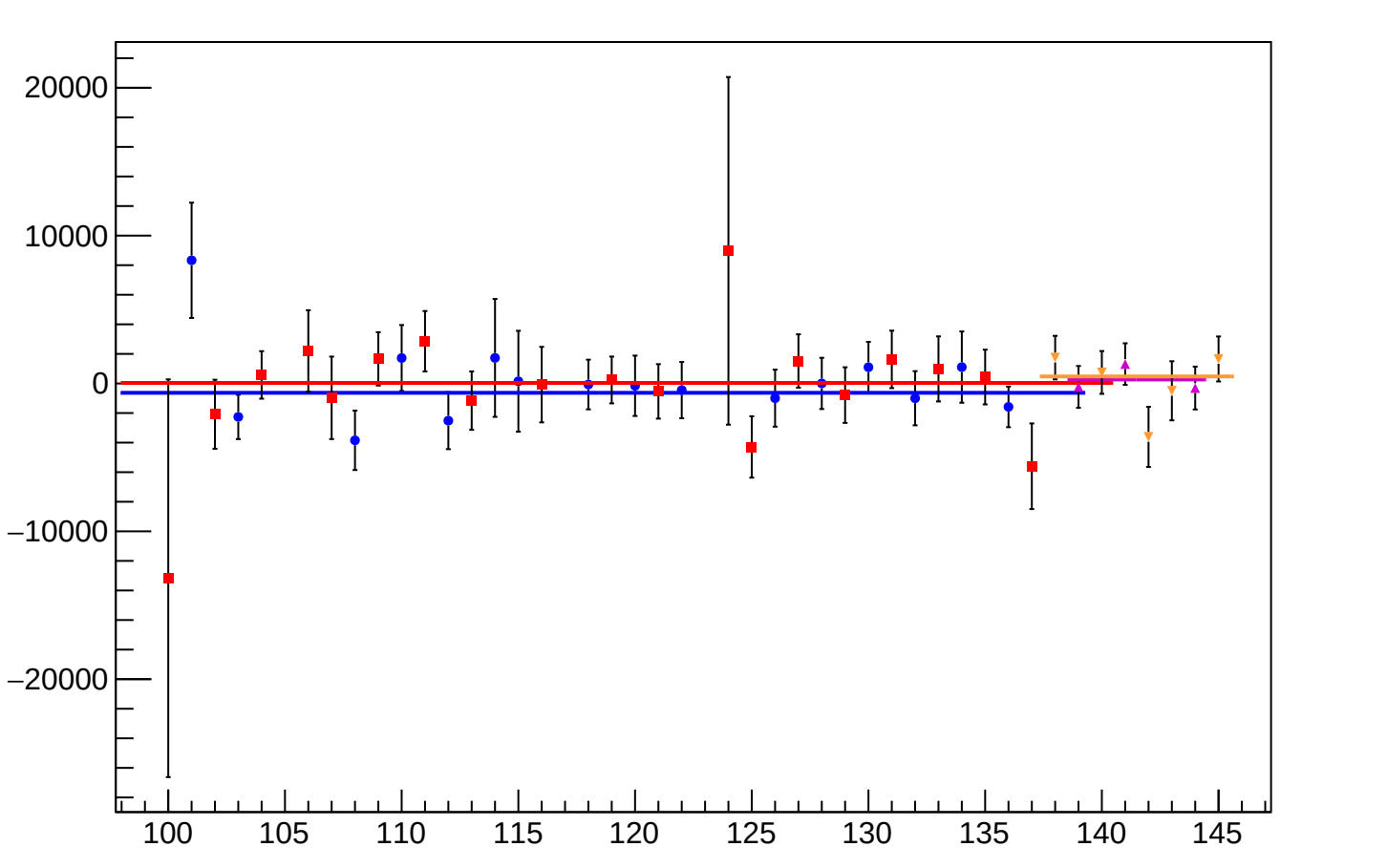
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3165.307+/-0.507 χ^2/NDF: 2508679.9/42

- sign 3256.842+/-0.746 χ^2/NDF: 816064.2/21



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

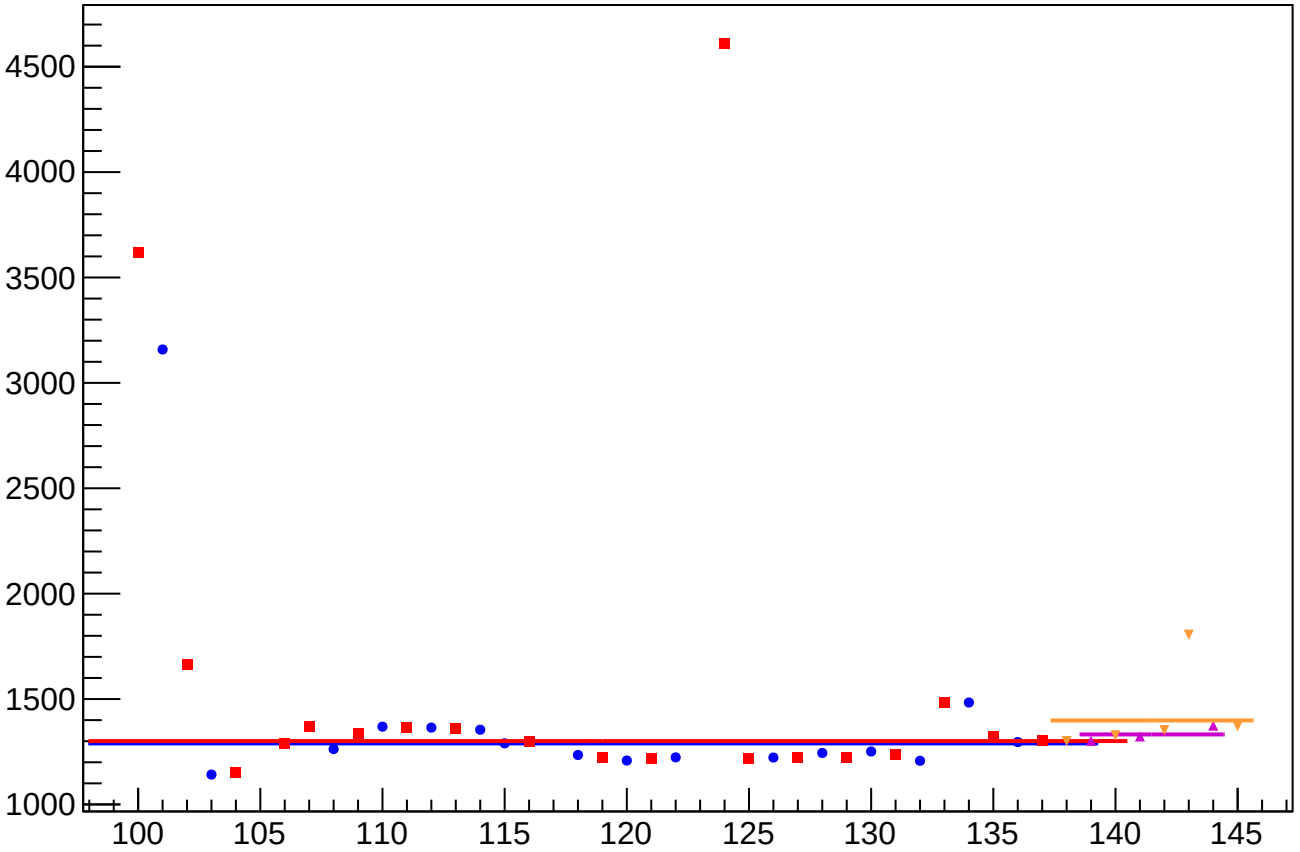
Left In: 269.641+/-821.347 χ^2/NDF:0.8/2

+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -102.121+/-291.966 χ^2/NDF: 38.8/42

- sign 98.913+/-419.590 χ^2/NDF: 17.2/21

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

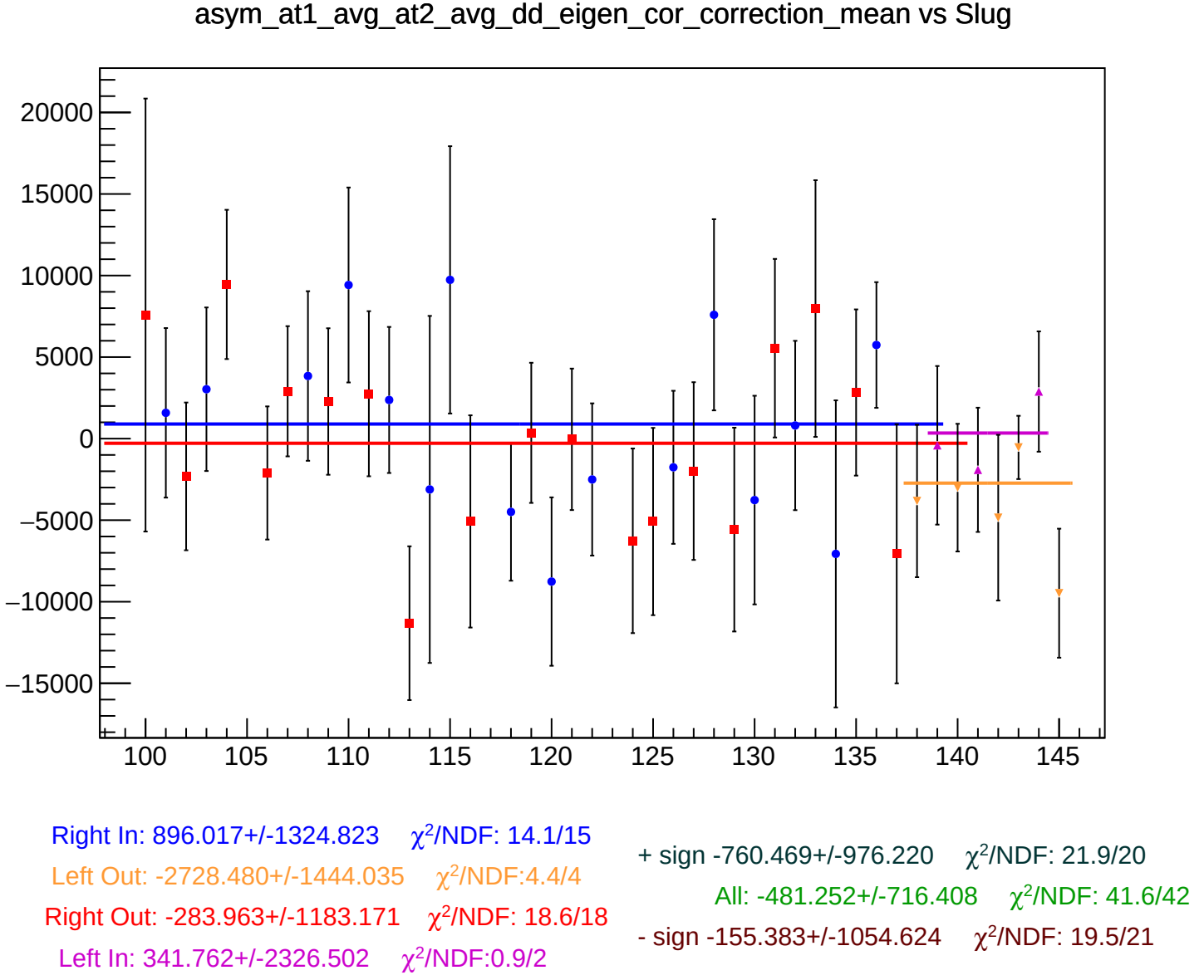
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

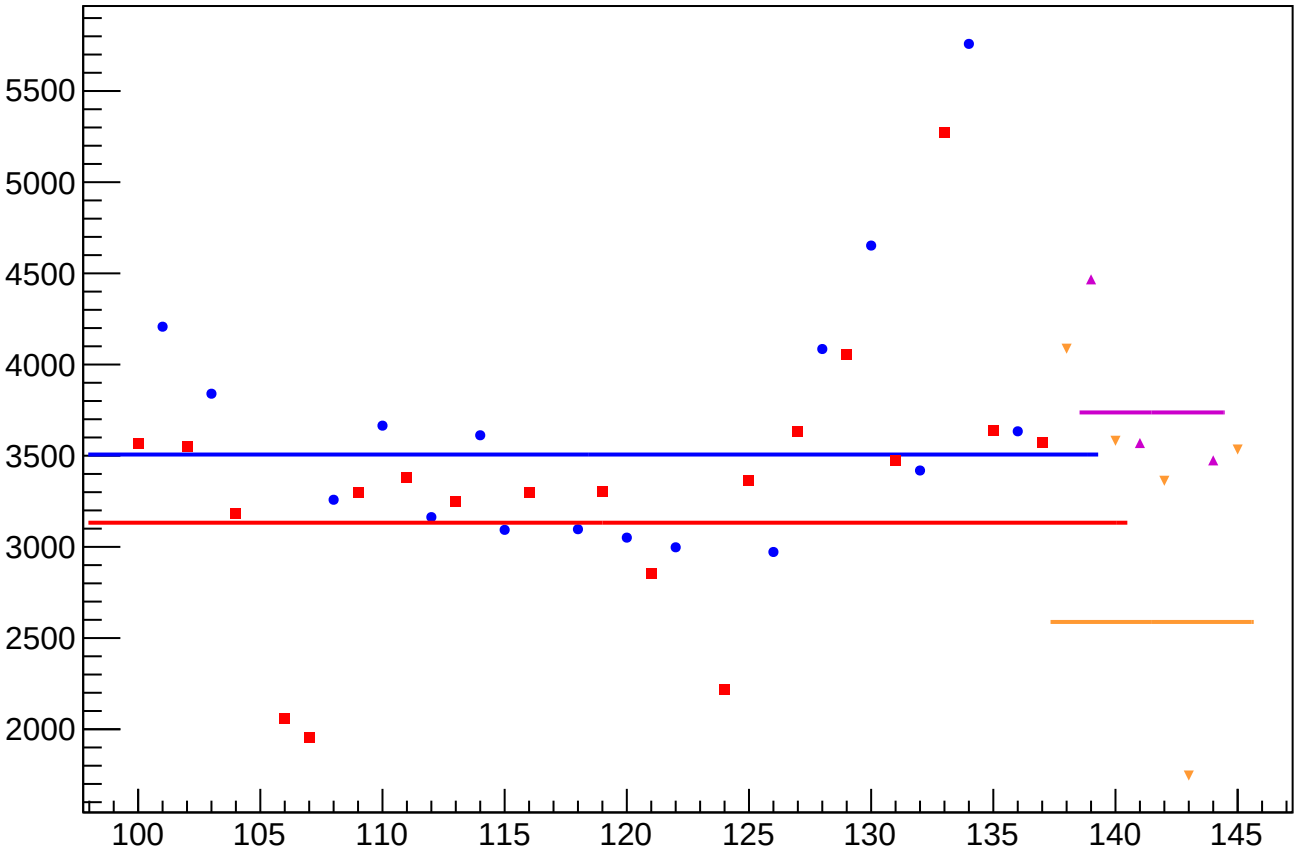
Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1316.161+/-0.206 χ^2/NDF: 975424.8/42

- sign 1308.868+/-0.296 χ^2/NDF: 330728.9/21


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
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: 341.762+/-2326.502 χ²/NDF:0.9/2
+ sign -760.469+/-976.220 χ²/NDF: 21.9/20
All: -481.252+/-716.408 χ²/NDF: 41.6/42
- sign -155.383+/-1054.624 χ²/NDF: 19.5/21



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

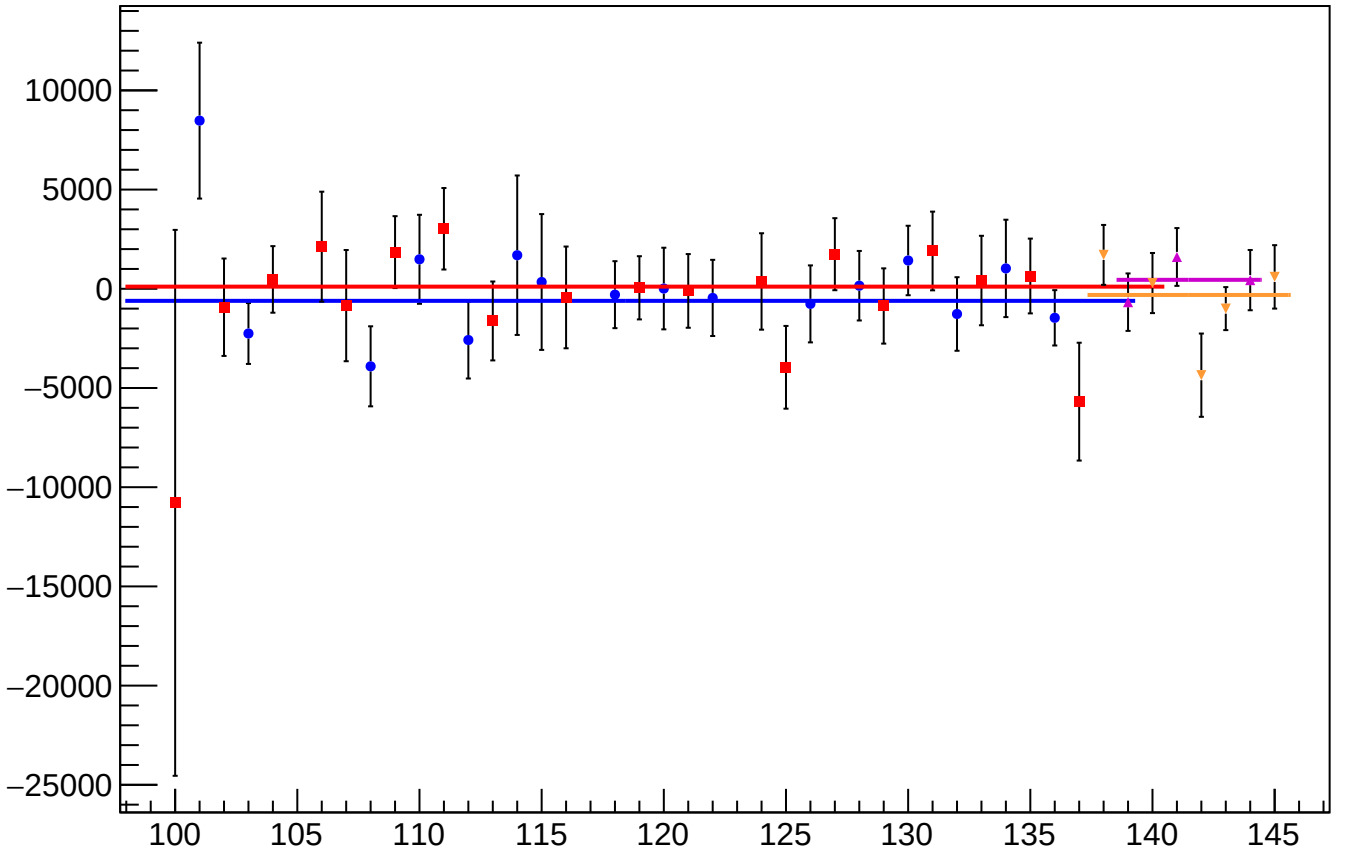
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

\+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3165.307+/-0.507 χ^2/NDF: 2508679.9/42

\- sign 3256.842+/-0.746 χ^2/NDF: 816064.2/21



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

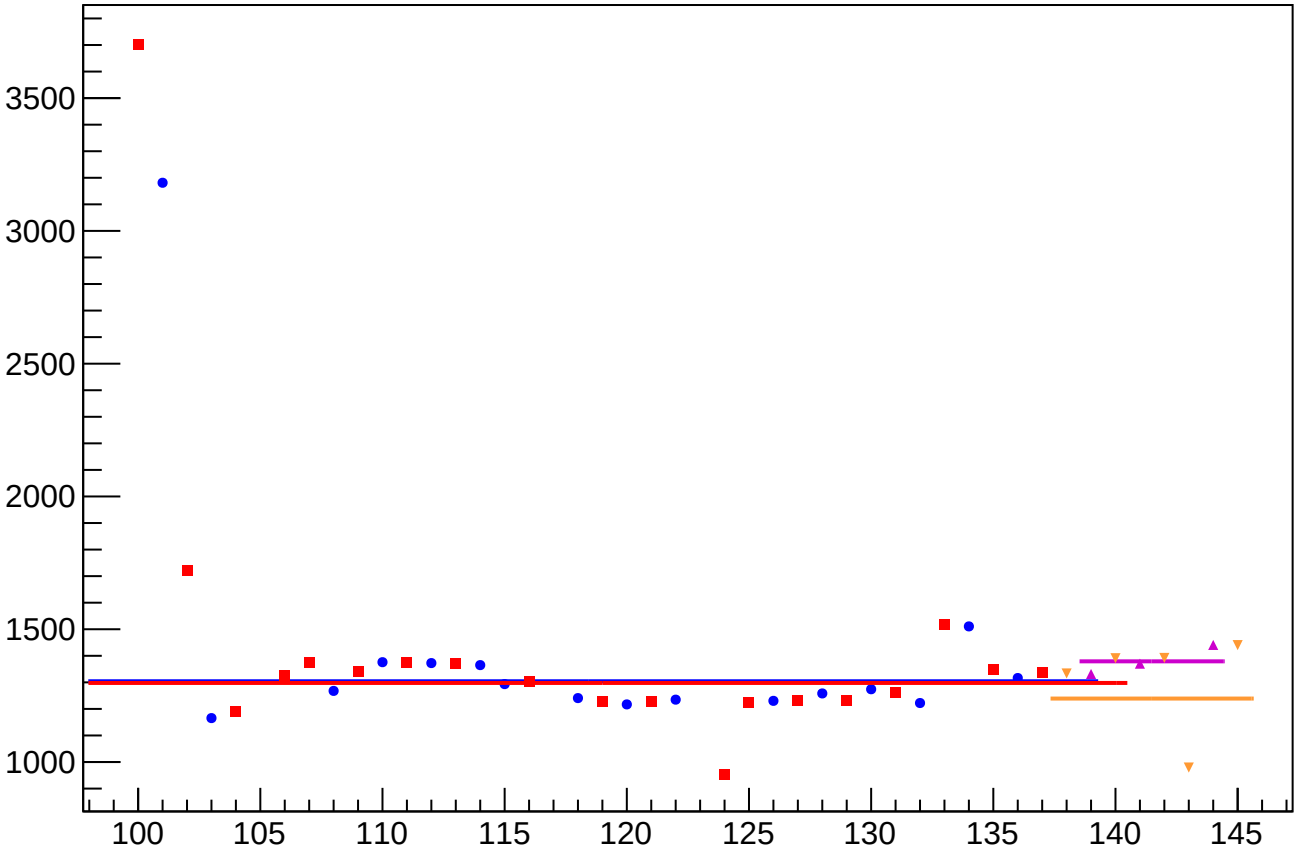
Left In: 451.534+/-850.702 χ^2/NDF:1.2/2

+ sign -499.662+/-394.097 χ^2/NDF: 20.6/20

All: -176.796+/-287.932 χ^2/NDF: 38.3/42

- sign 192.878+/-421.698 χ^2/NDF: 16.2/21

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

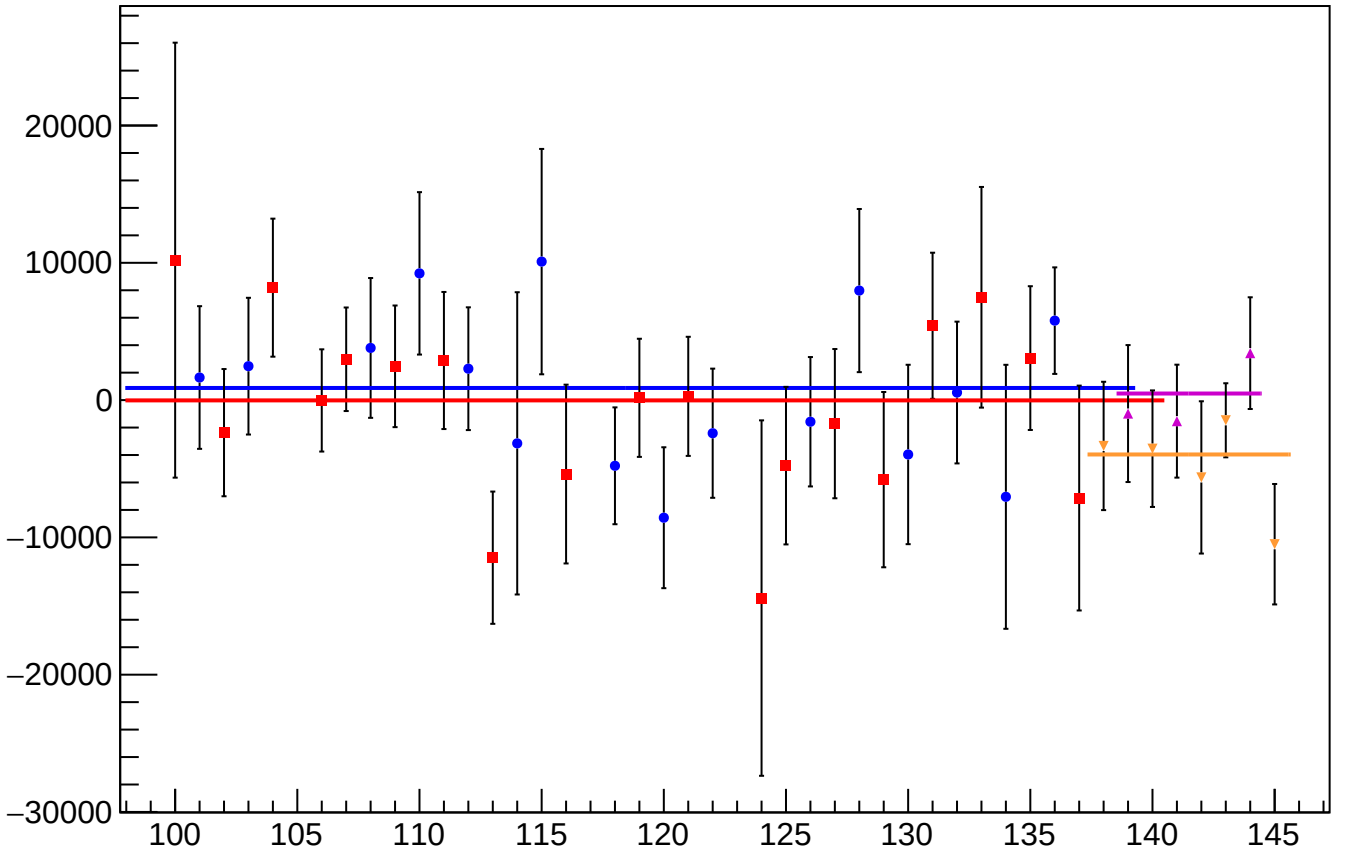
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1379.156+/-0.602 χ^2/NDF:5549.6/2

+ sign 1280.402+/-0.279 χ^2/NDF: 708317.2/20

All: 1297.832+/-0.204 χ^2/NDF: 949153.2/42

- sign 1317.766+/-0.298 χ^2/NDF: 232450.0/21



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3960.020+/-1758.978 χ^2/NDF:3.2/4

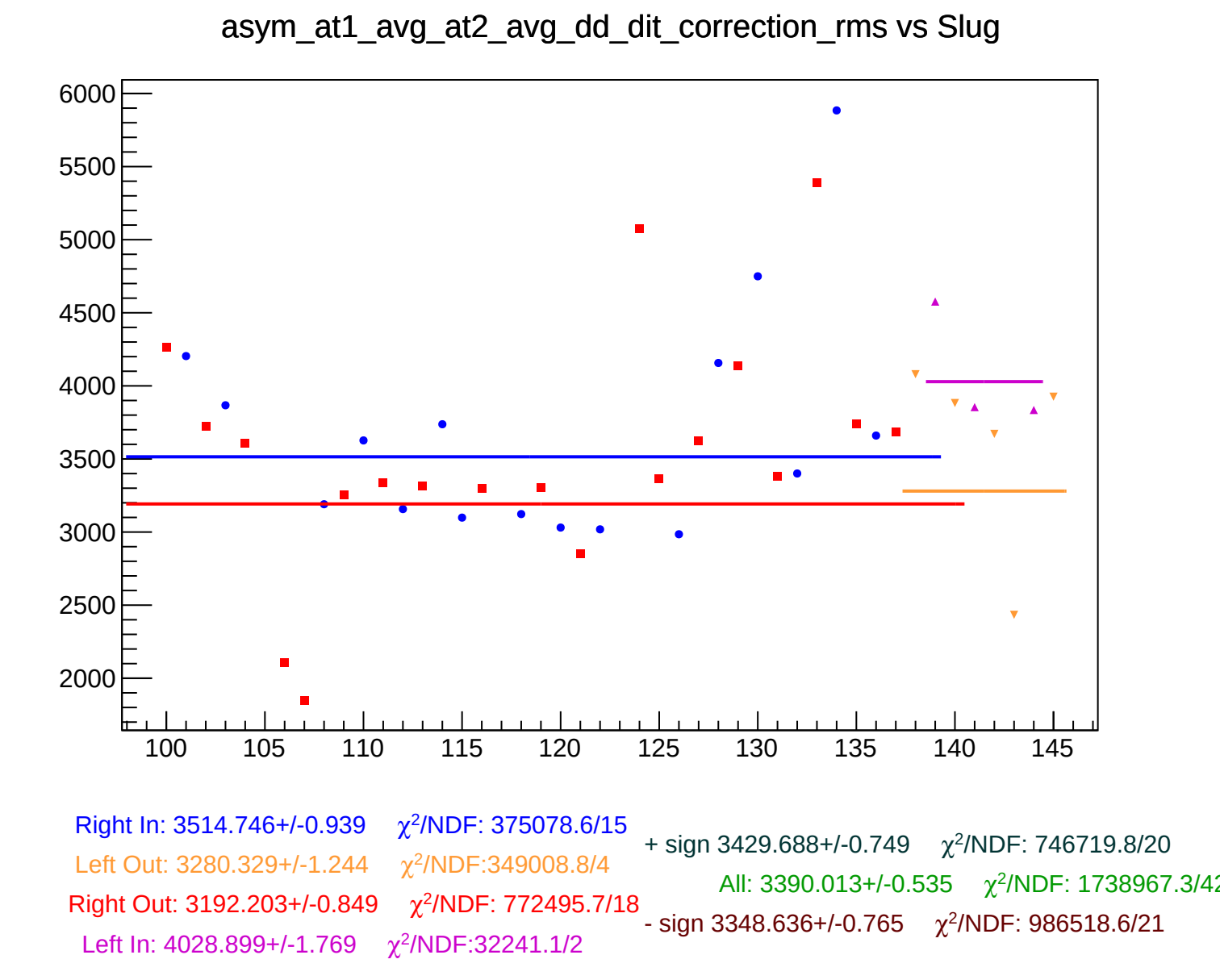
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

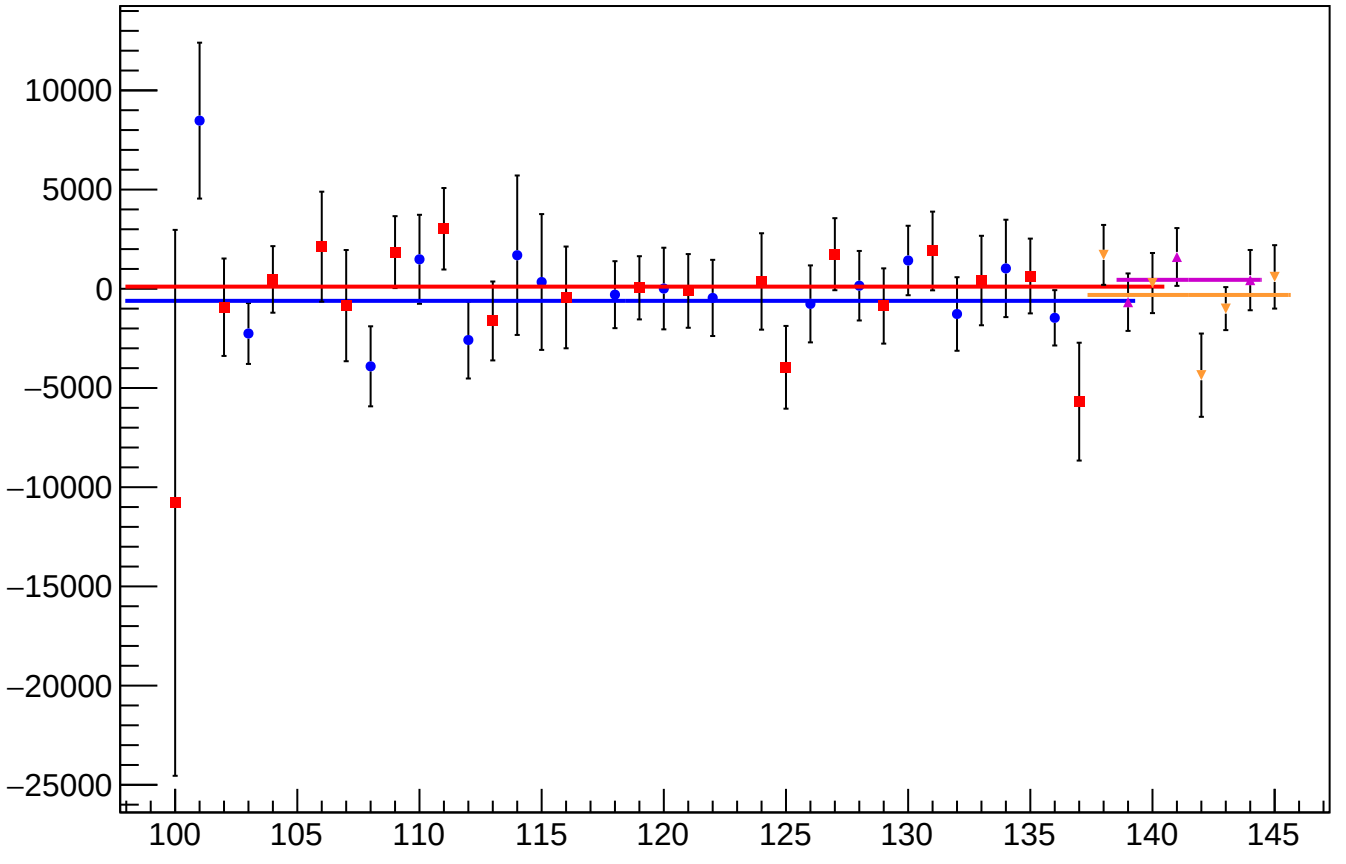
Left In: 479.573+/-2502.432 χ^2/NDF:0.8/2

+ sign -873.607+/-1059.554 χ^2/NDF: 22.1/20

All: -410.314+/-757.041 χ^2/NDF: 40.2/42

- sign 72.848+/-1082.035 χ^2/NDF: 17.7/21


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
140
145
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3280.329+/-1.244 χ²/NDF:349008.8/4
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4028.899+/-1.769 χ²/NDF:32241.1/2
+ sign 3429.688+/-0.749 χ²/NDF: 746719.8/20
All: 3390.013+/-0.535 χ²/NDF: 1738967.3/42
- sign 3348.636+/-0.765 χ²/NDF: 986518.6/21



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

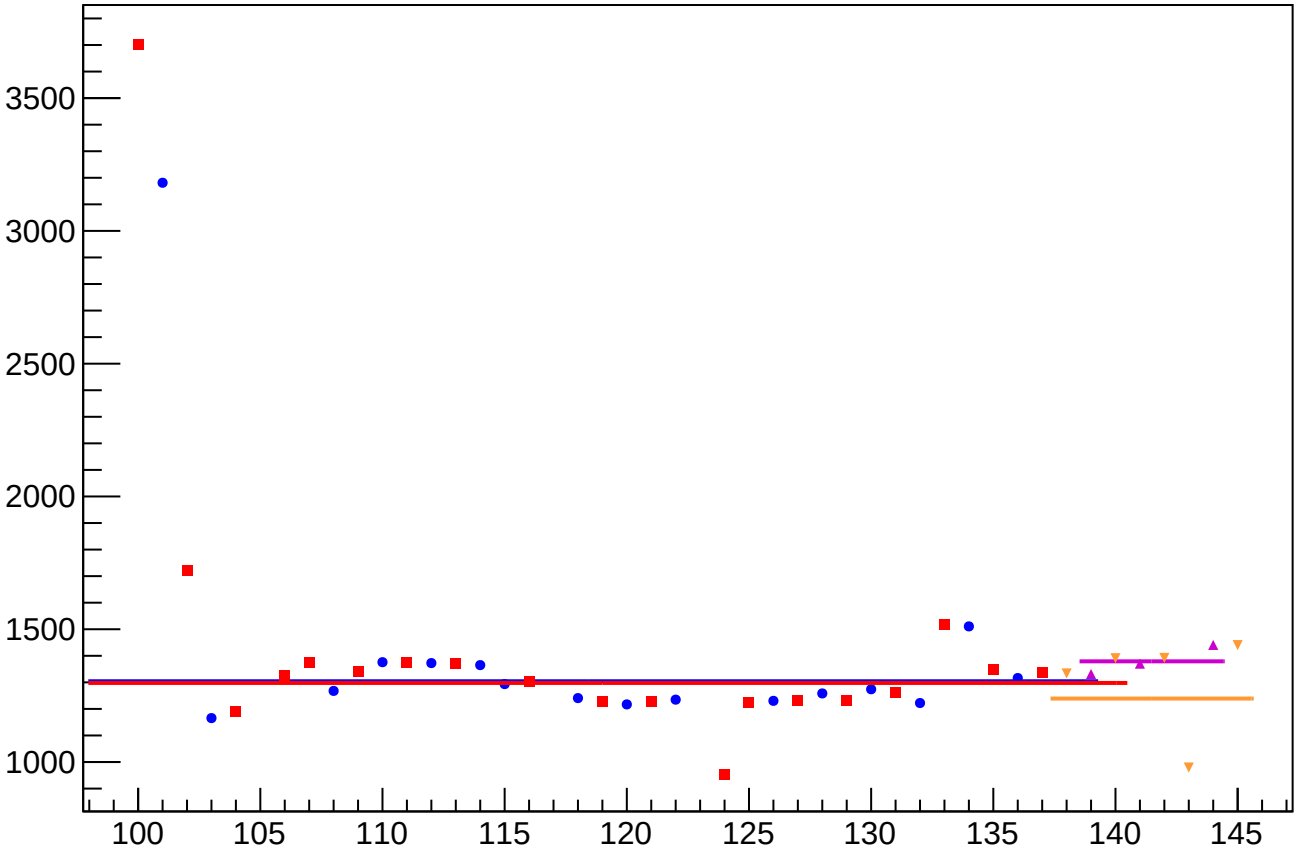
Left In: 451.531+/-850.703 χ^2/NDF:1.2/2

+ sign -499.667+/-394.098 χ^2/NDF: 20.6/20

All: -176.797+/-287.932 χ^2/NDF: 38.3/42

- sign 192.881+/-421.698 χ^2/NDF: 16.2/21

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

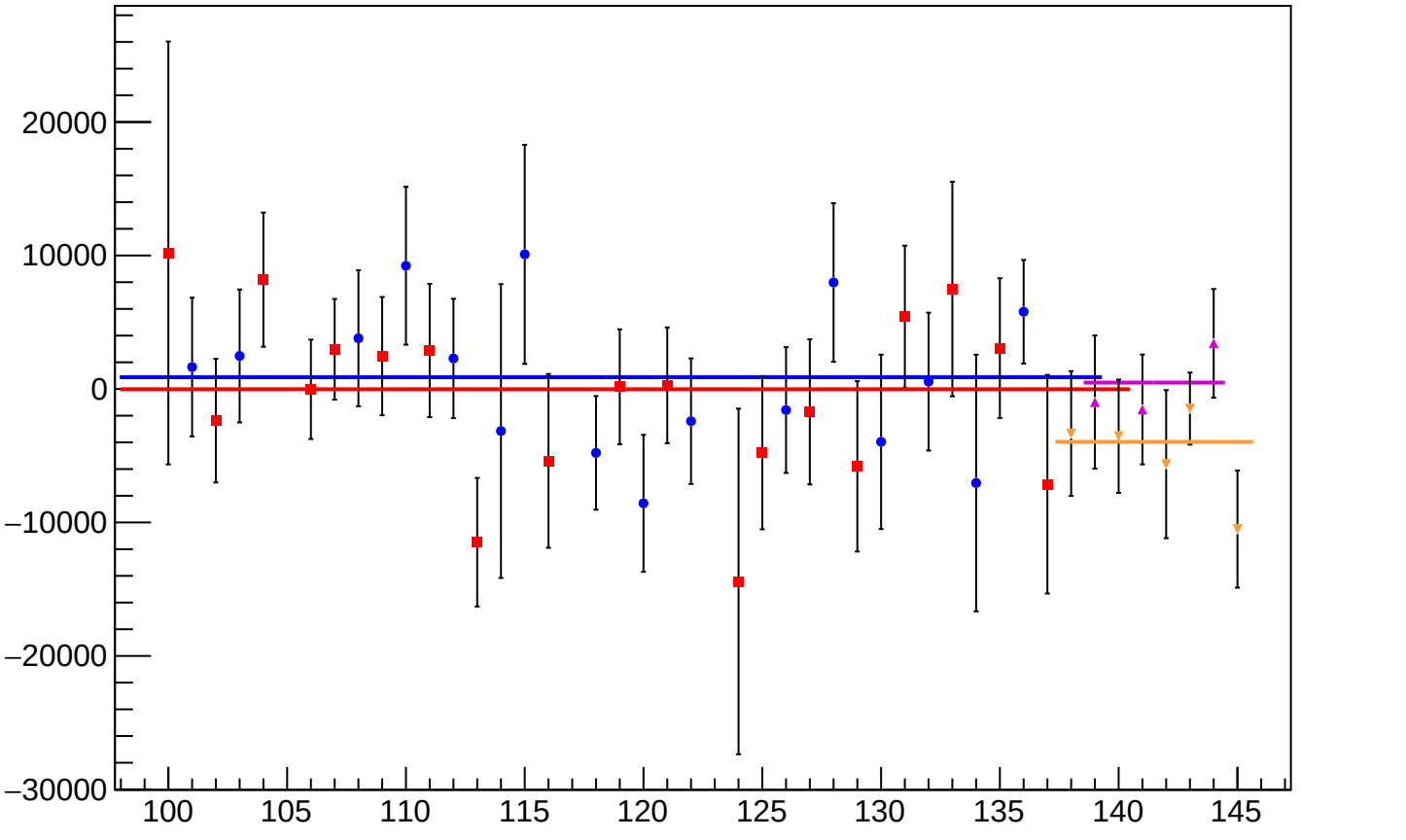
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1379.157+/-0.602 χ^2/NDF:5549.7/2

+ sign 1280.403+/-0.279 χ^2/NDF: 708317.2/20

All: 1297.832+/-0.204 χ^2/NDF: 949153.6/42

- sign 1317.766+/-0.298 χ^2/NDF: 232450.4/21



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3960.025+/-1758.981 χ^2/NDF:3.2/4

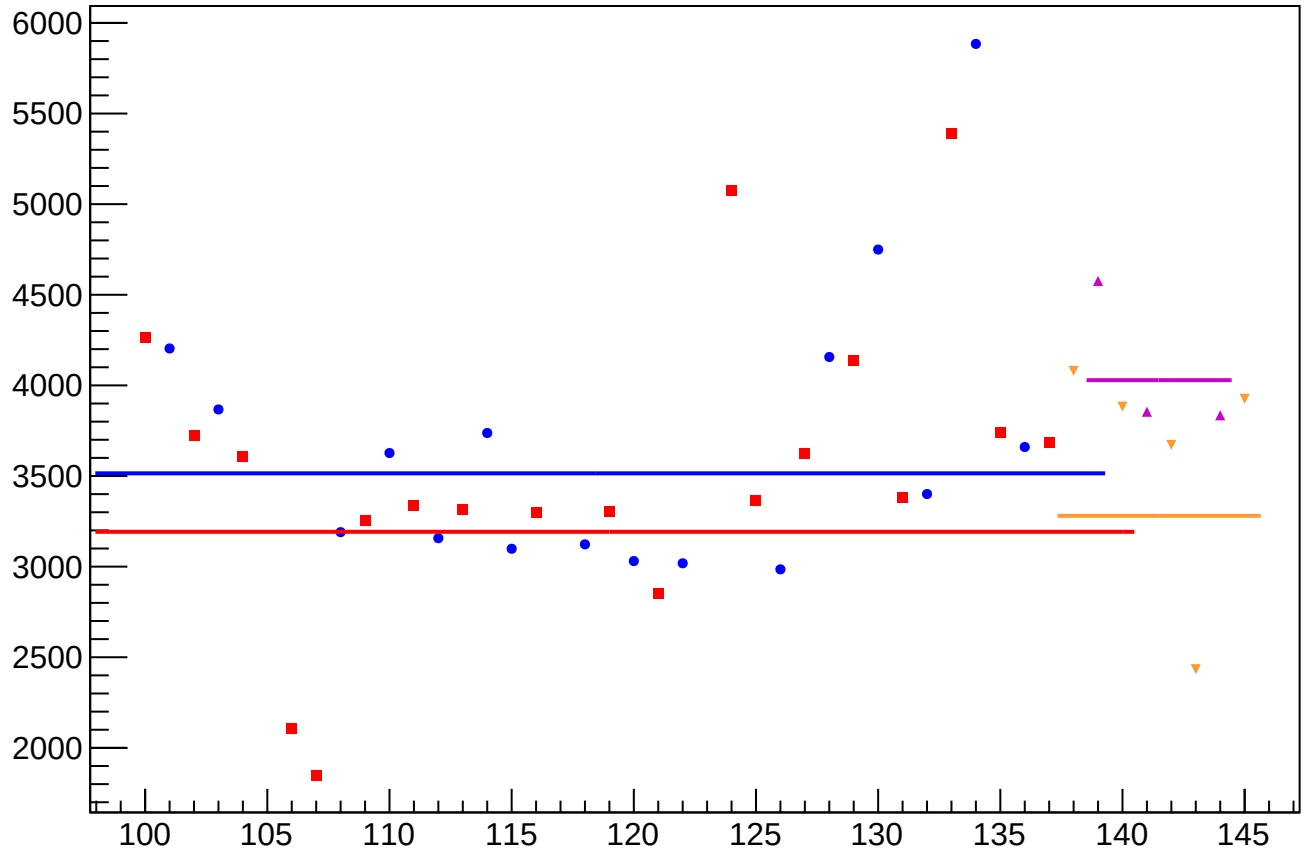
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 479.569+/-2502.436 χ^2/NDF:0.8/2

+ sign -873.606+/-1059.553 χ^2/NDF: 22.1/20

All: -410.312+/-757.040 χ^2/NDF: 40.2/42

- sign 72.850+/-1082.034 χ^2/NDF: 17.7/21



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

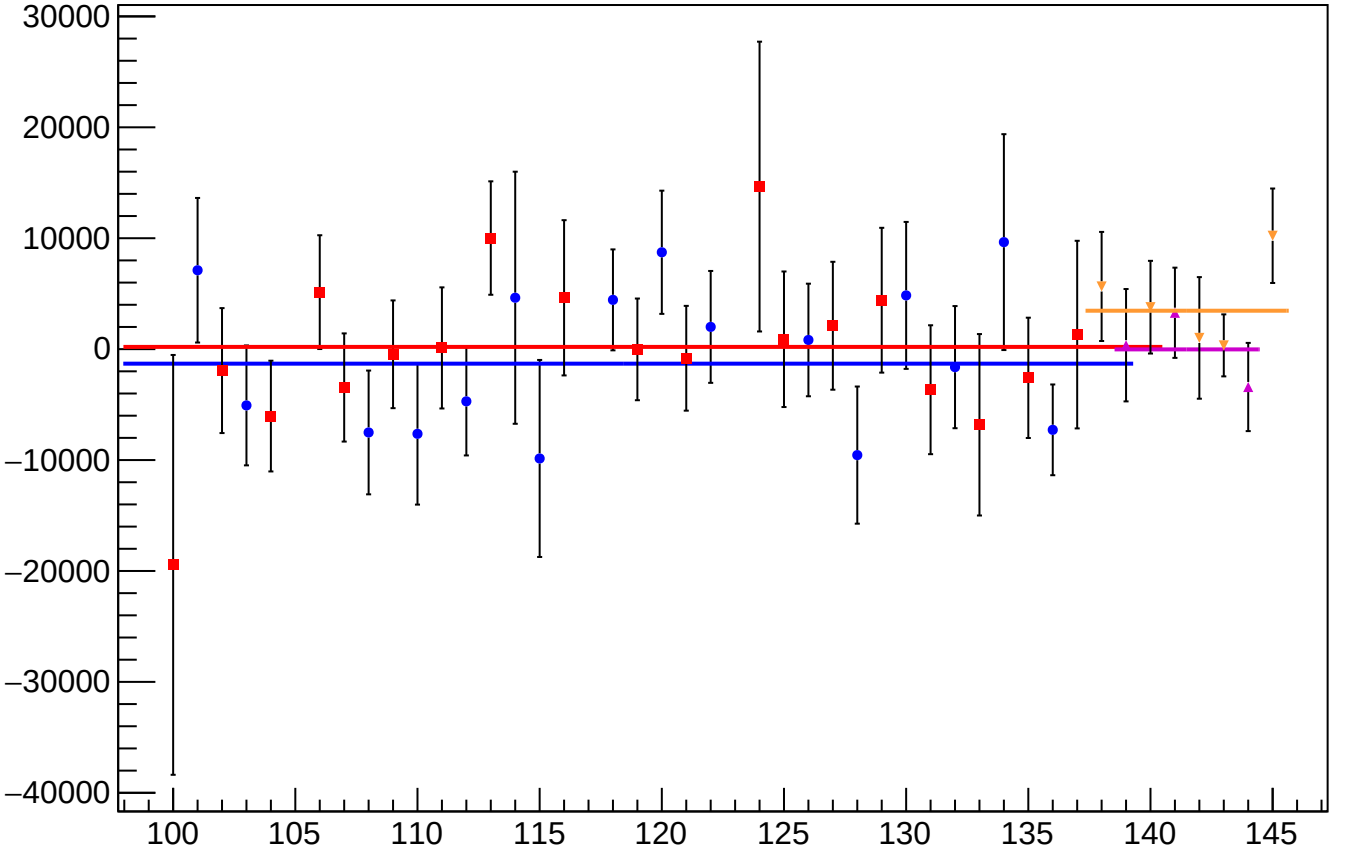
Left In: 4028.906+/-1.769 χ^2/NDF:32241.7/2

\+ sign 3429.685+/-0.749 χ^2/NDF: 746722.0/20

All: 3390.008+/-0.535 χ^2/NDF: 1738978.6/42

\- sign 3348.629+/-0.765 χ^2/NDF: 986527.3/21

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

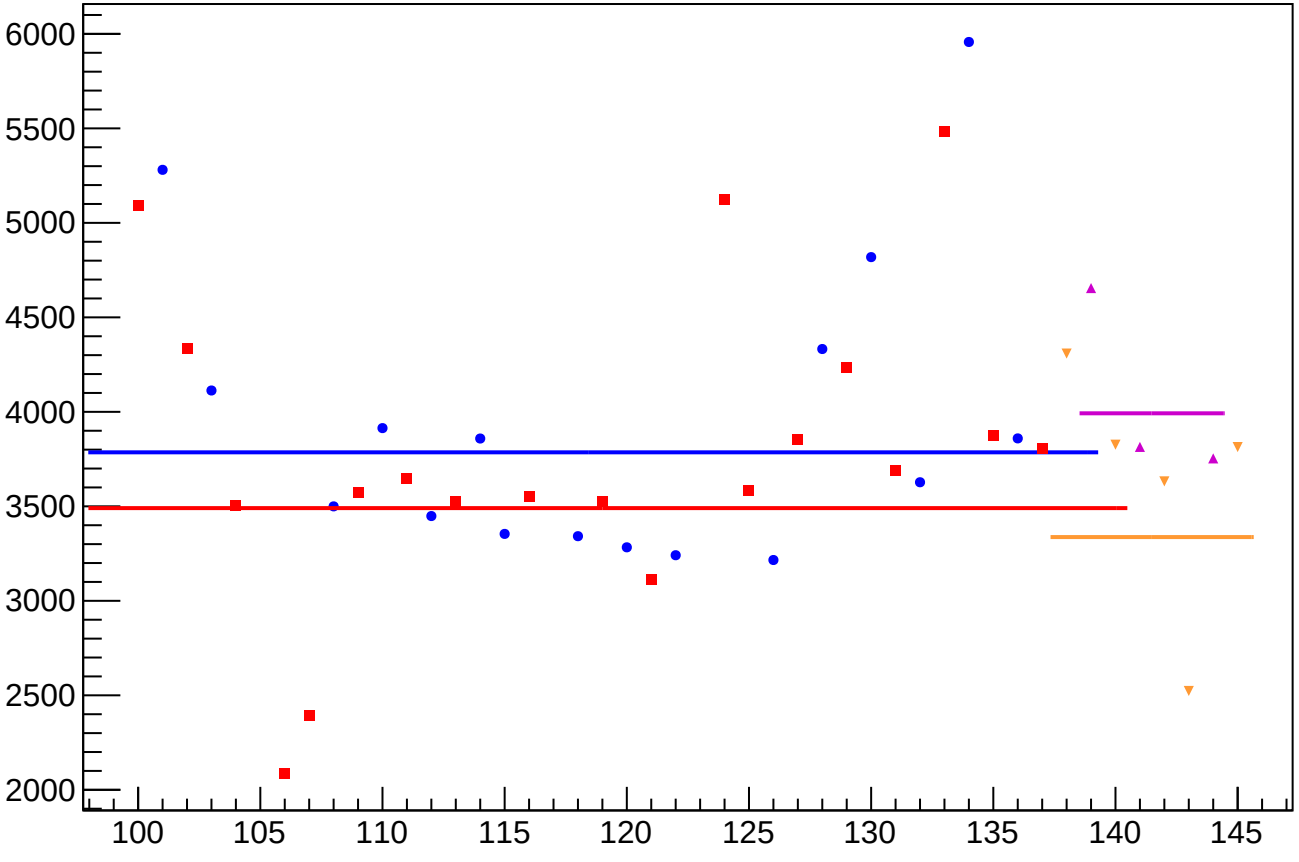
Left In: -22.793+/-2479.396 χ^2/NDF:1.4/2

+ sign 563.514+/-1115.970 χ^2/NDF: 26.1/20

All: 368.130+/-809.554 χ^2/NDF: 39.2/42

- sign 151.099+/-1176.166 χ^2/NDF: 13.0/21

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

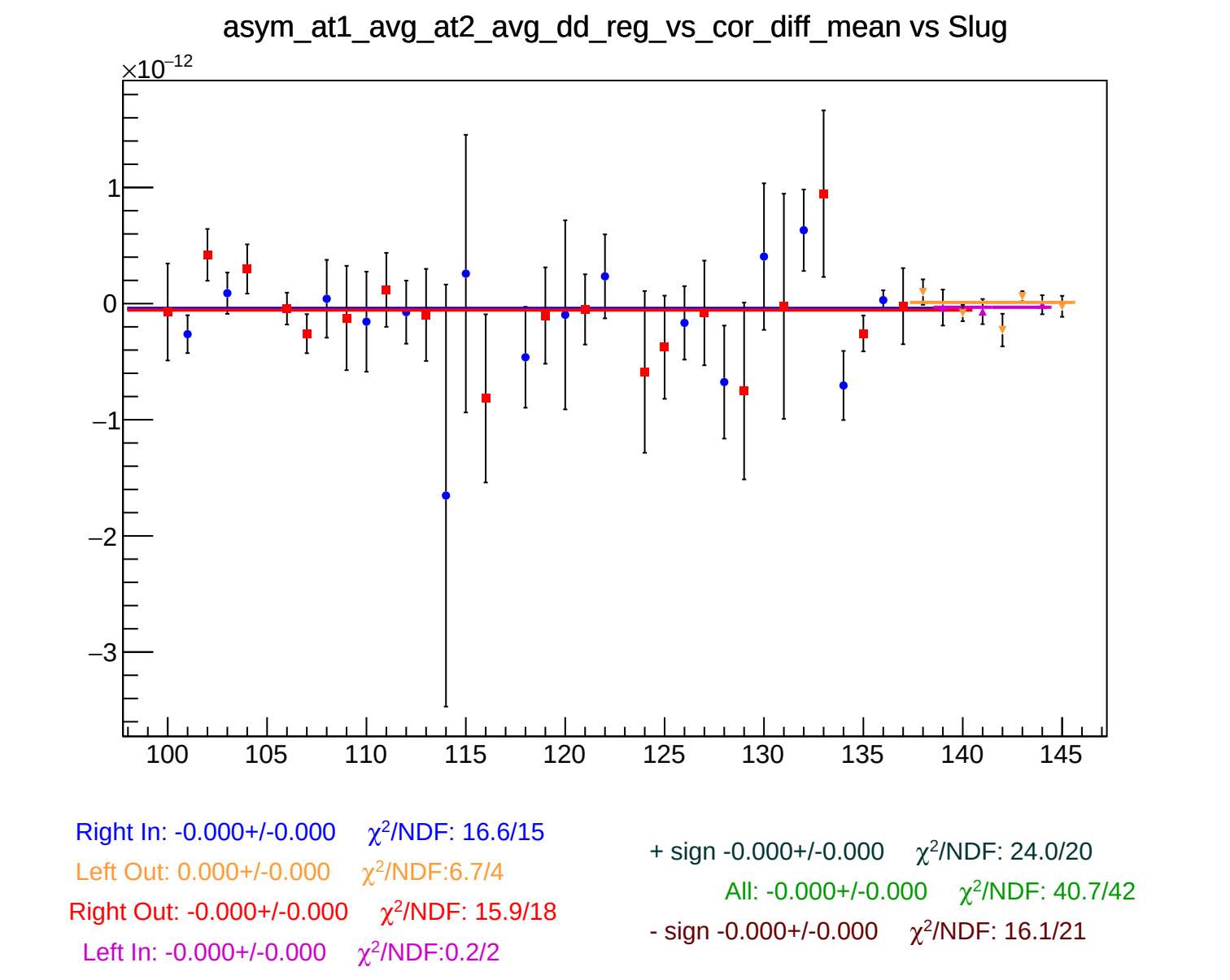
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

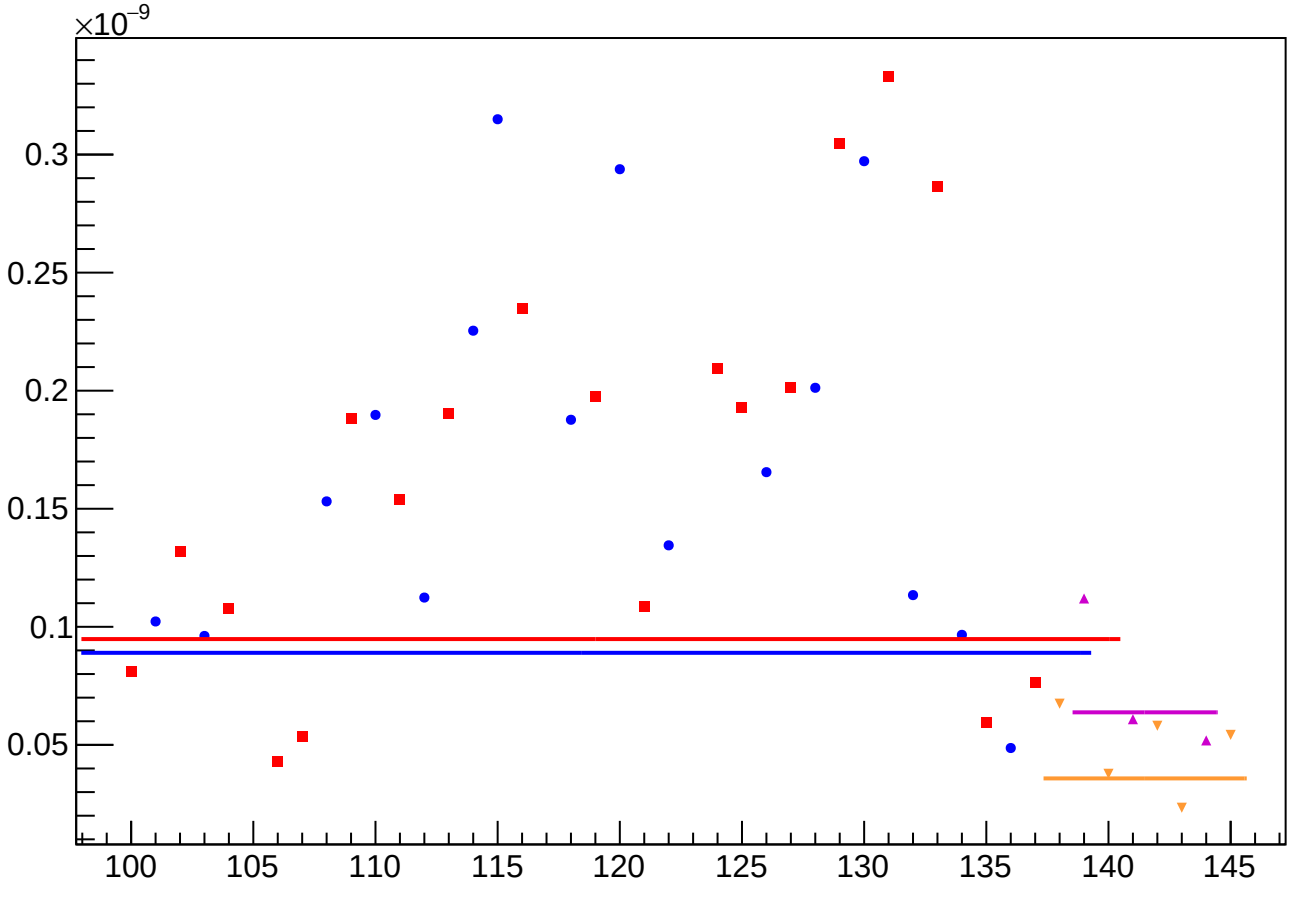
Left In: 3992.262+/-1.753 χ^2/NDF:45251.6/2

+ sign 3609.832+/-0.789 χ^2/NDF: 765893.5/20

All: 3605.657+/-0.570 χ^2/NDF: 1461756.2/42

- sign 3601.117+/-0.823 χ^2/NDF: 695804.3/21


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:6.7/4
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:0.2/2
+ sign -0.000+/-0.000 χ²/NDF: 24.0/20
All: -0.000+/-0.000 χ²/NDF: 40.7/42
- sign -0.000+/-0.000 χ²/NDF: 16.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:462218.1/4

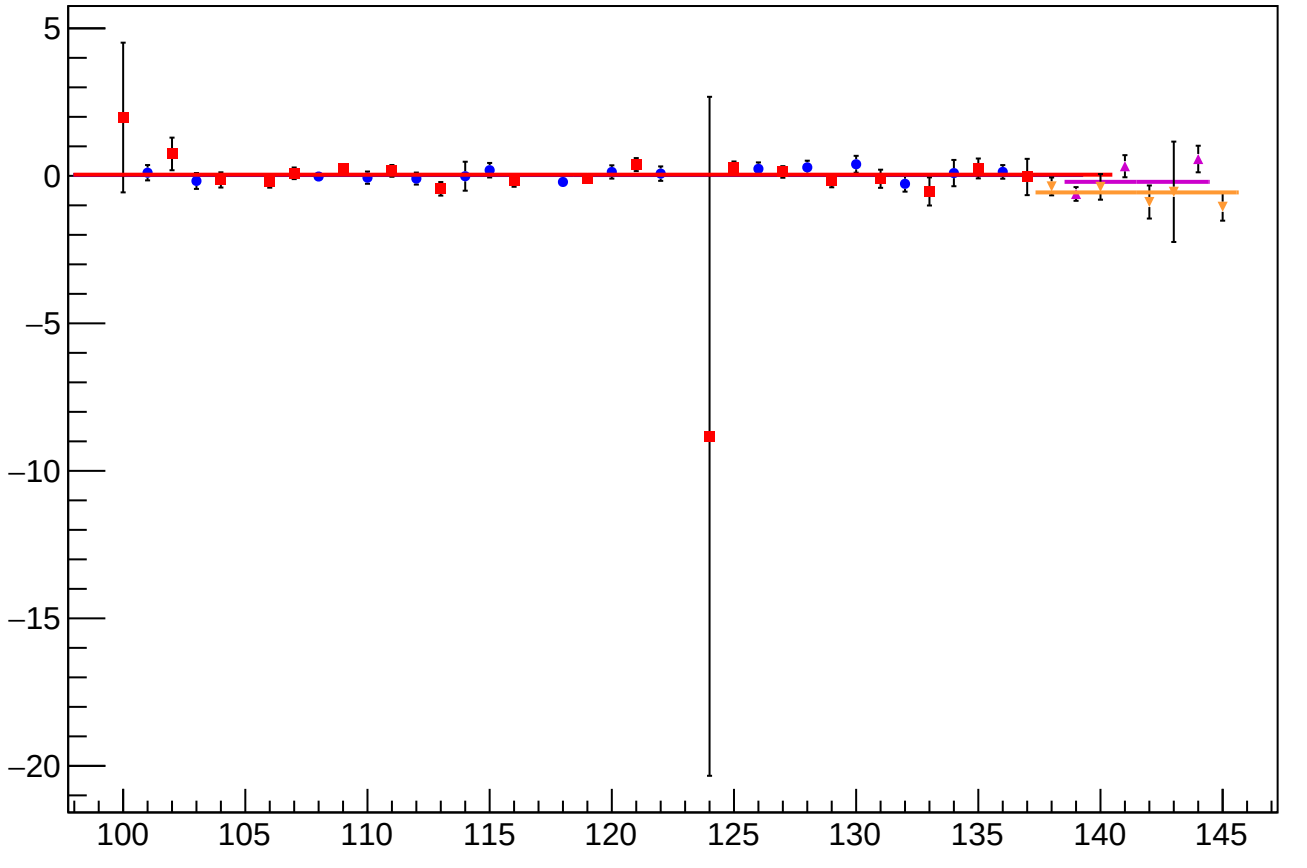
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237675.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 3178360.2/20

All: 0.000+/-0.000 χ^2/NDF: 6082868.6/42

- sign 0.000+/-0.000 χ^2/NDF: 2221738.8/21



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

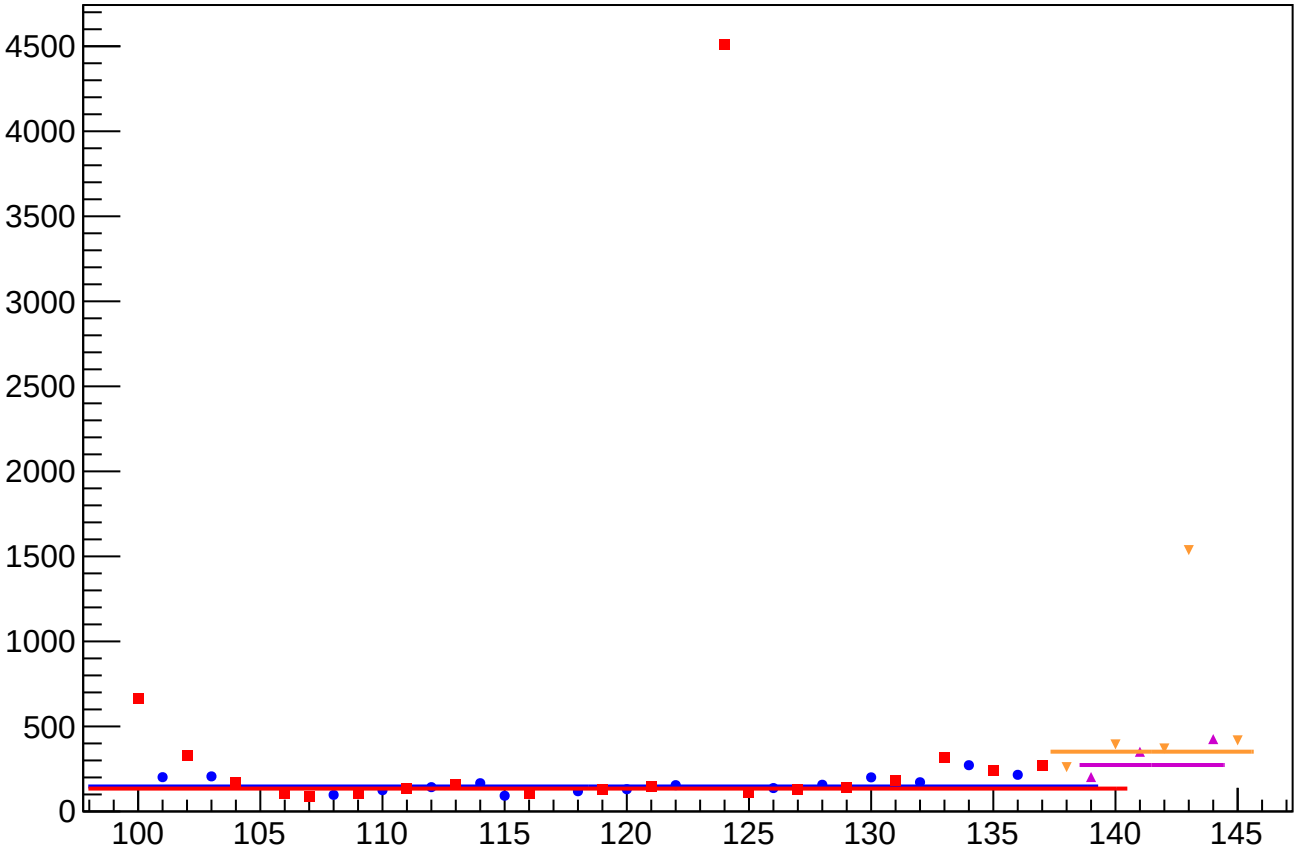
Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21

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

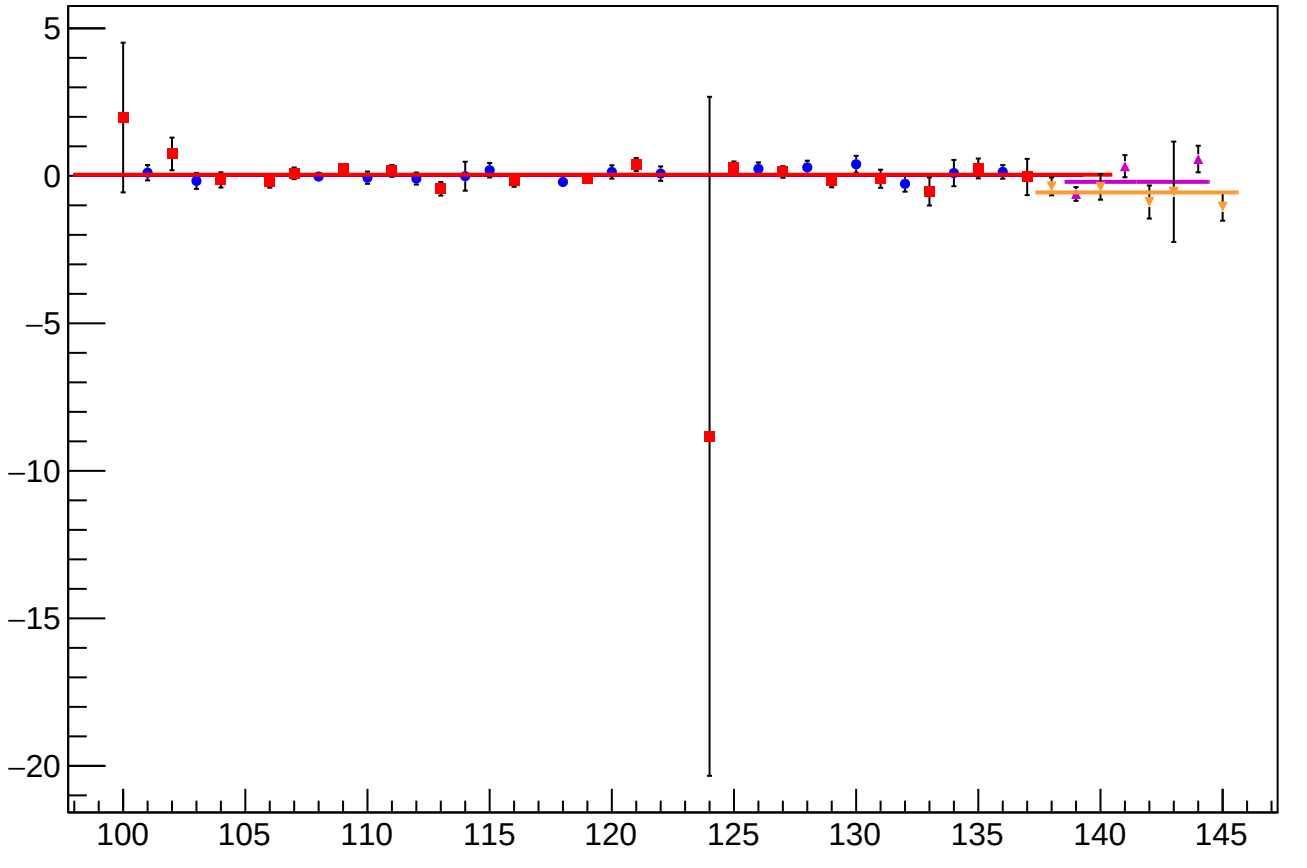
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 153.680+/-0.027 χ^2/NDF: 7363090.3/42

- sign 146.137+/-0.037 χ^2/NDF: 3180990.3/21



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

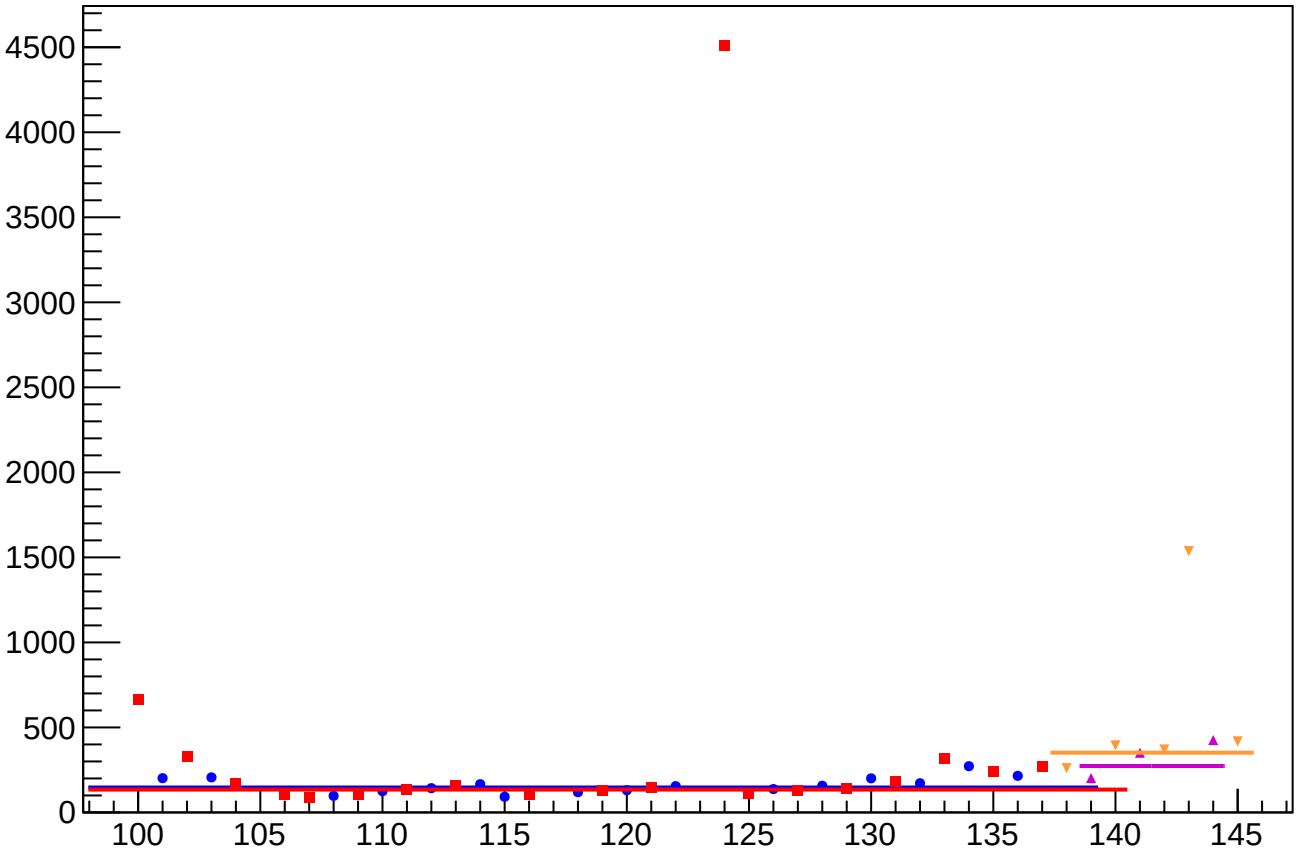
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 351.544+/-0.144 χ^2/NDF:1213708.4/4

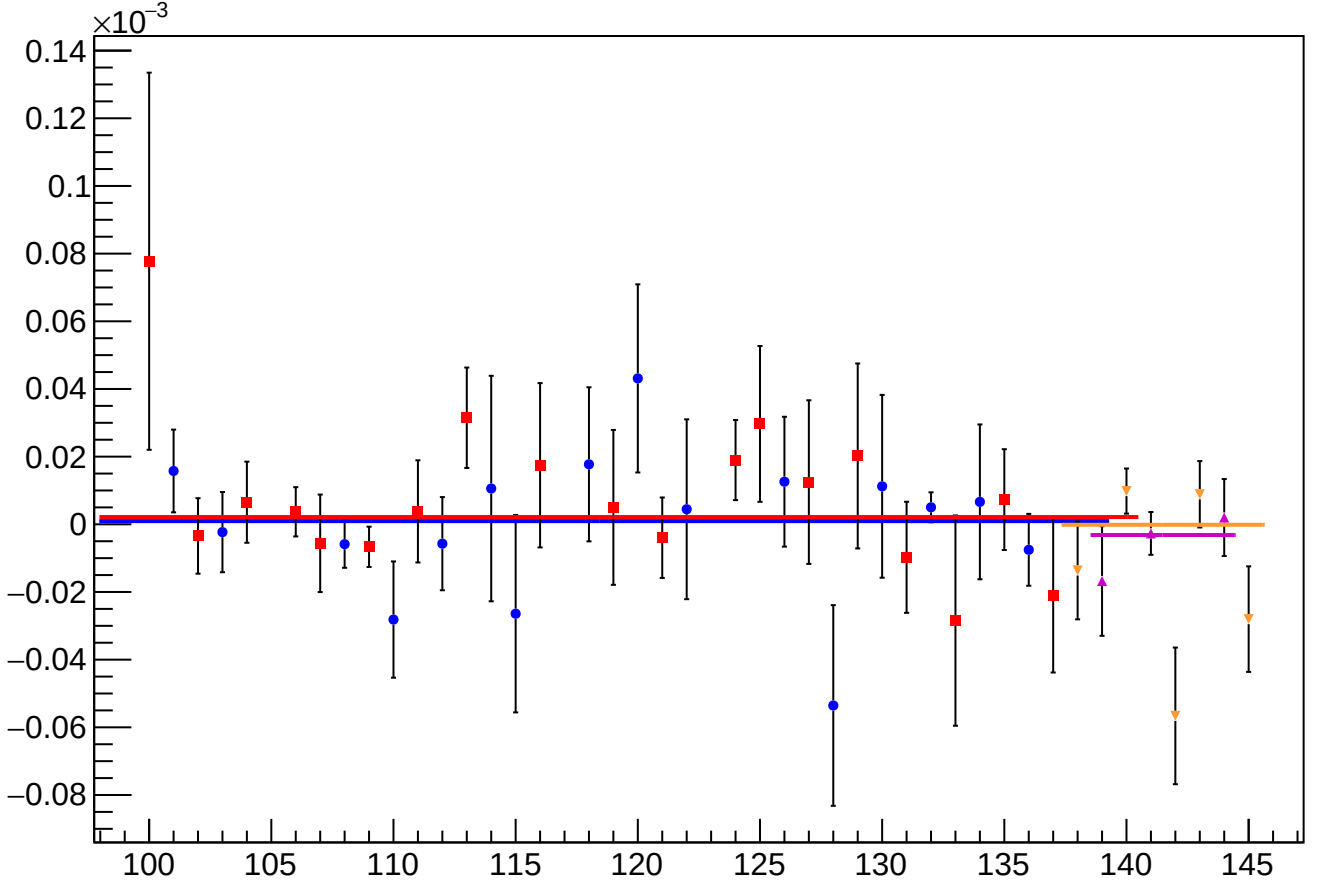
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 153.680+/-0.027 χ^2/NDF: 7363090.3/42

- sign 146.137+/-0.037 χ^2/NDF: 3180990.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/4

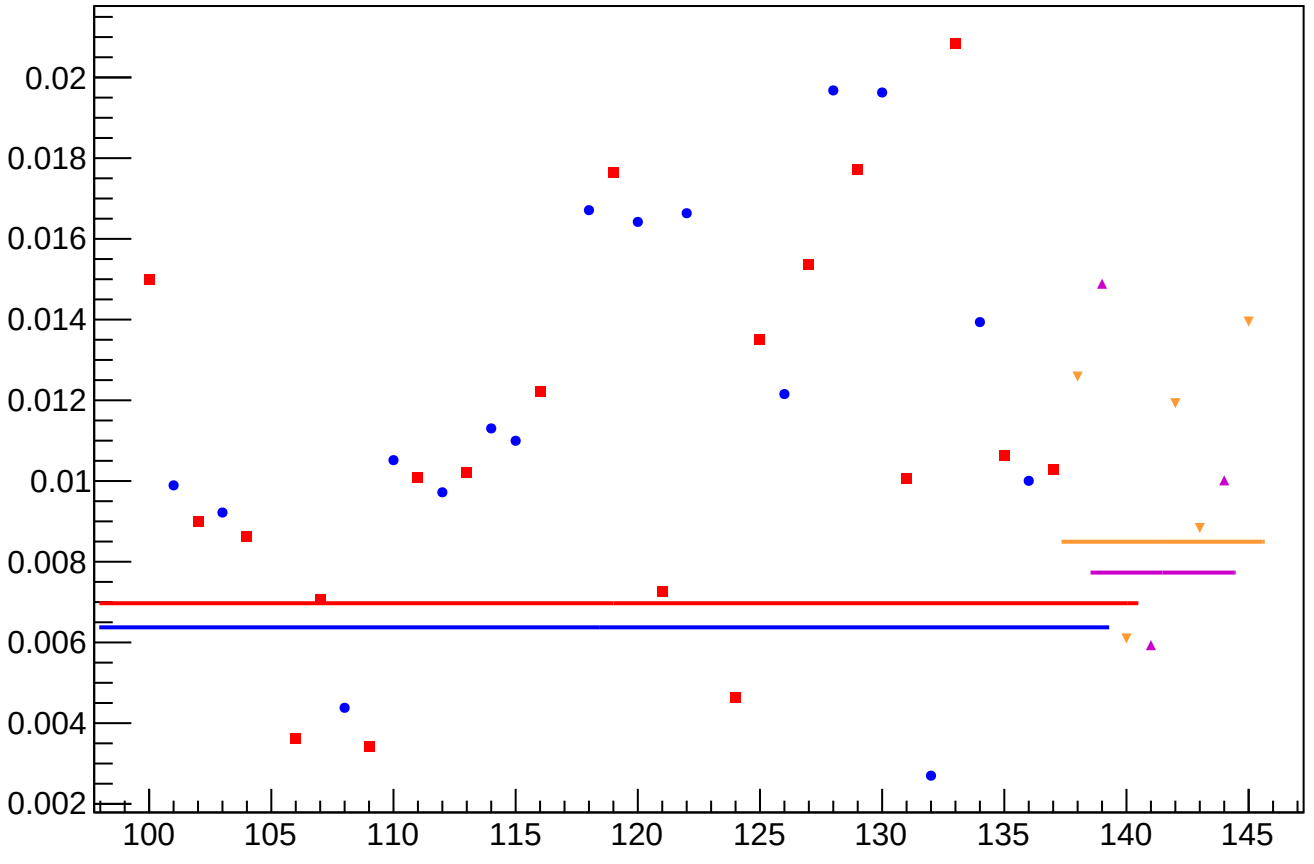
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/20

All: 0.000+/-0.000 χ^2/NDF: 47.6/42

- sign 0.000+/-0.000 χ^2/NDF: 17.7/21



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:723659.6/4

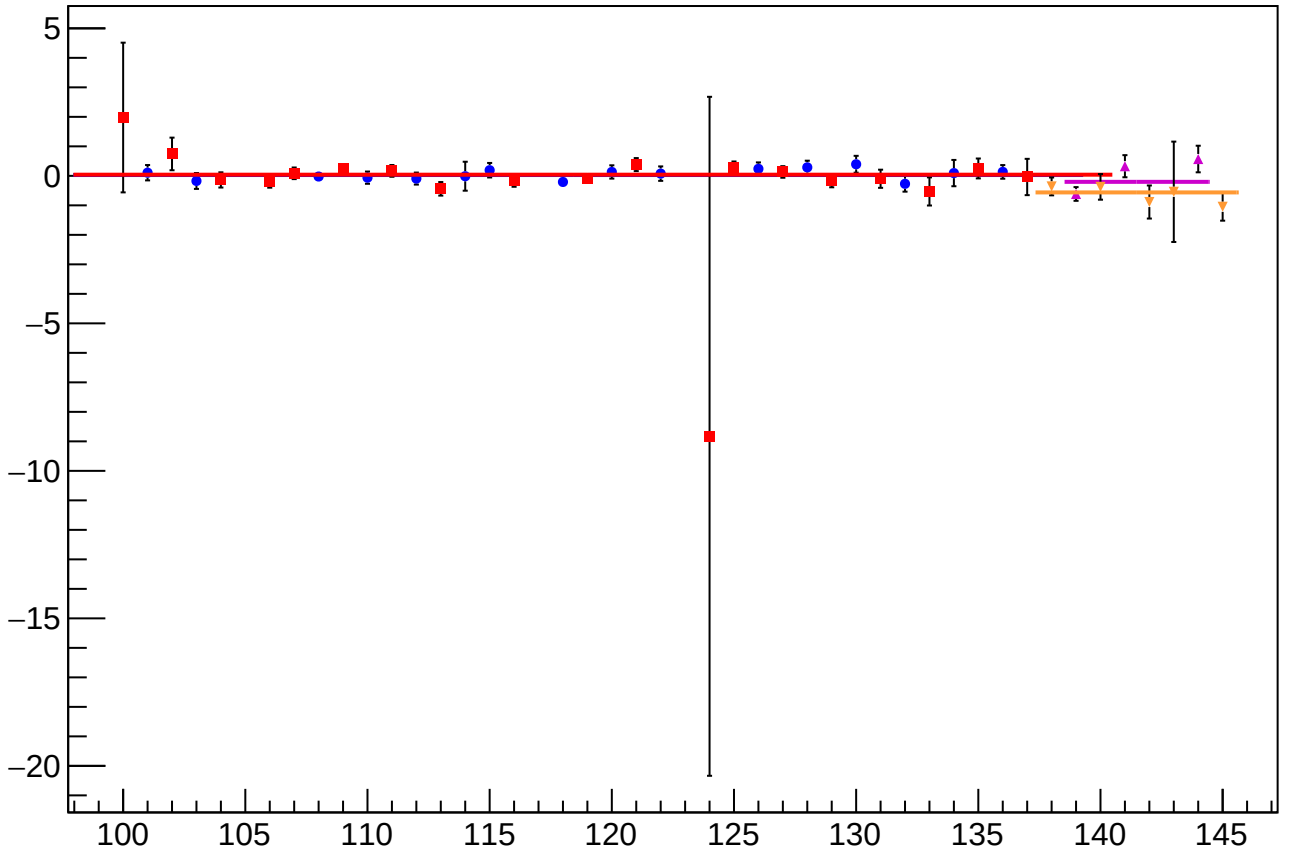
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.008+/-0.000 χ^2/NDF:632815.0/2

+ sign 0.007+/-0.000 χ^2/NDF: 5652236.3/20

All: 0.007+/-0.000 χ^2/NDF: 9732991.6/42

- sign 0.007+/-0.000 χ^2/NDF: 4074398.1/21



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

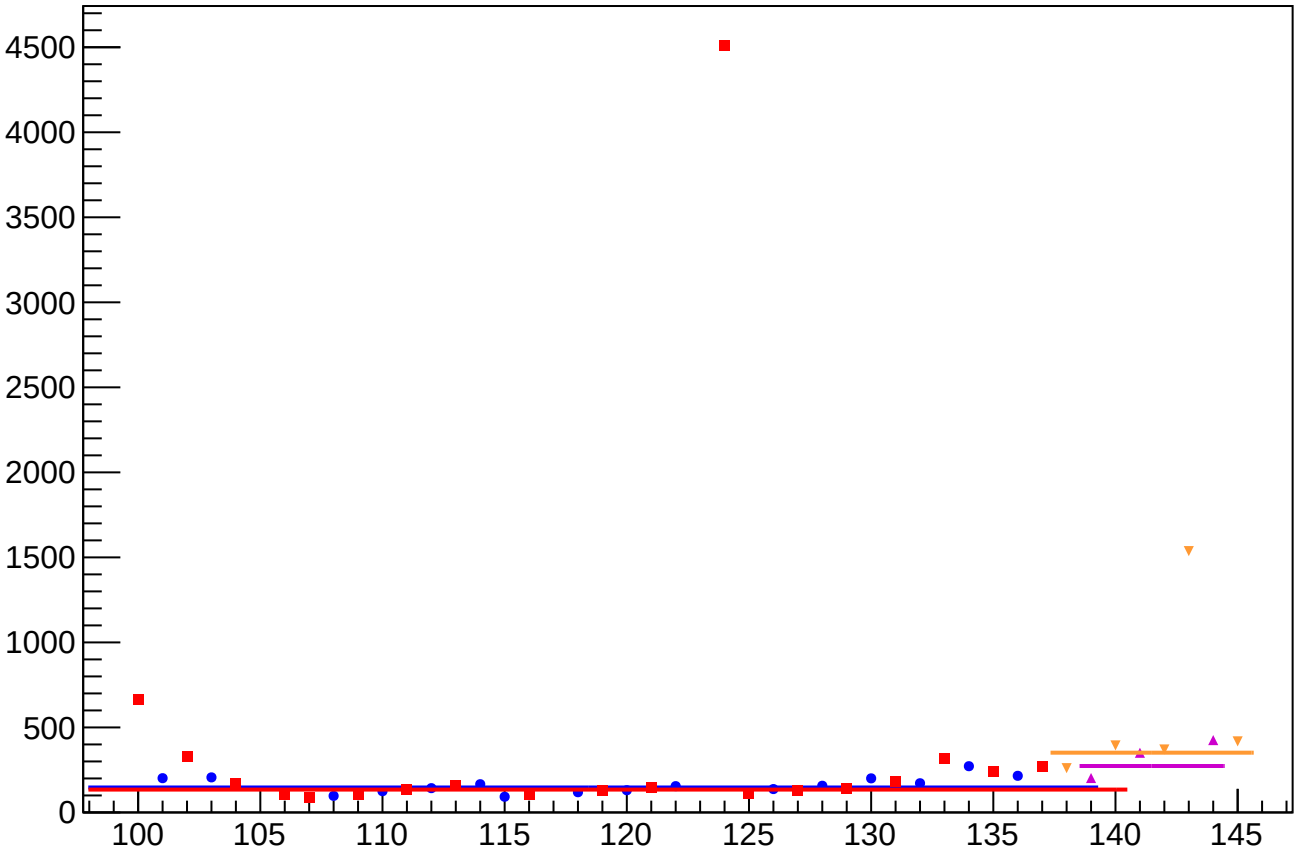
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

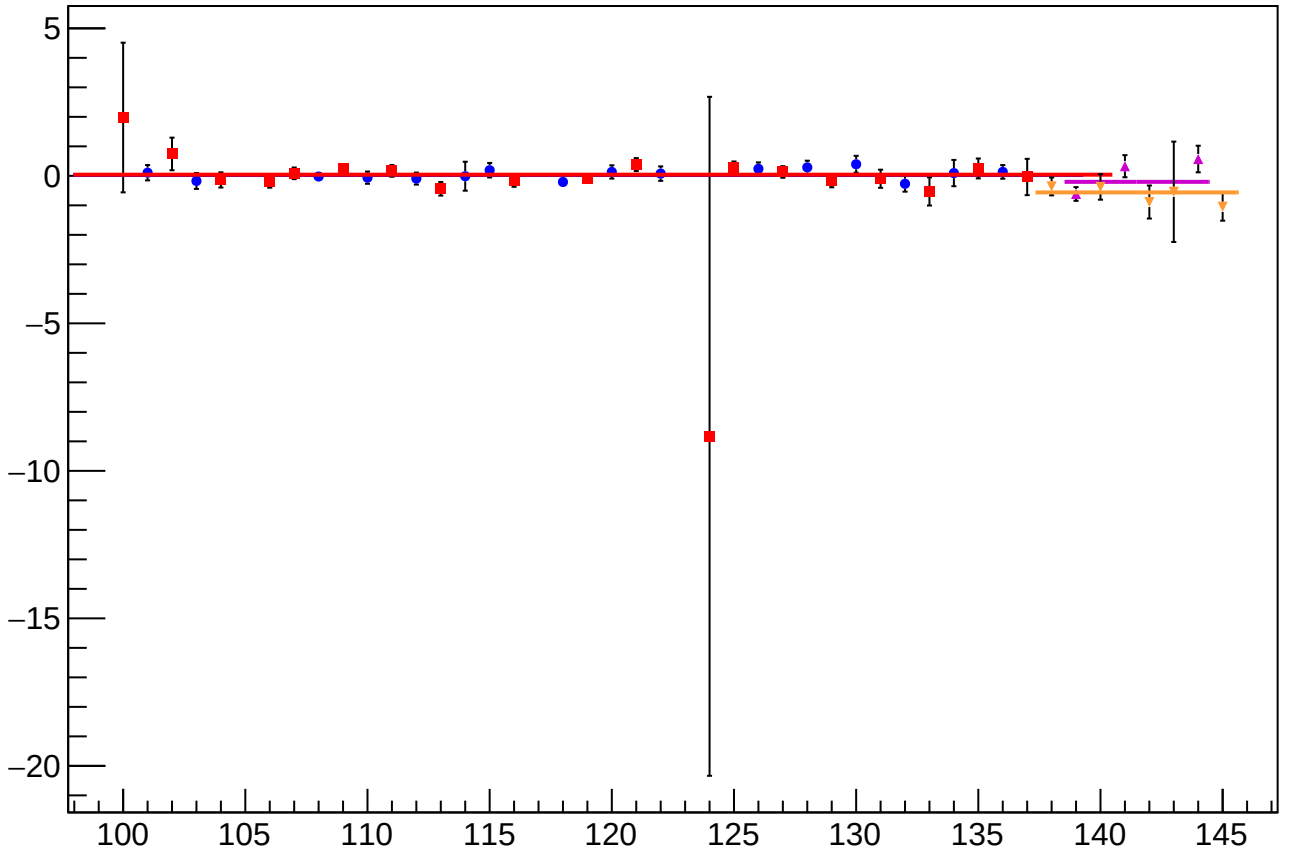
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 153.681+/-0.027 χ^2/NDF: 7362984.1/42

- sign 146.138+/-0.037 χ^2/NDF: 3180922.1/21



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

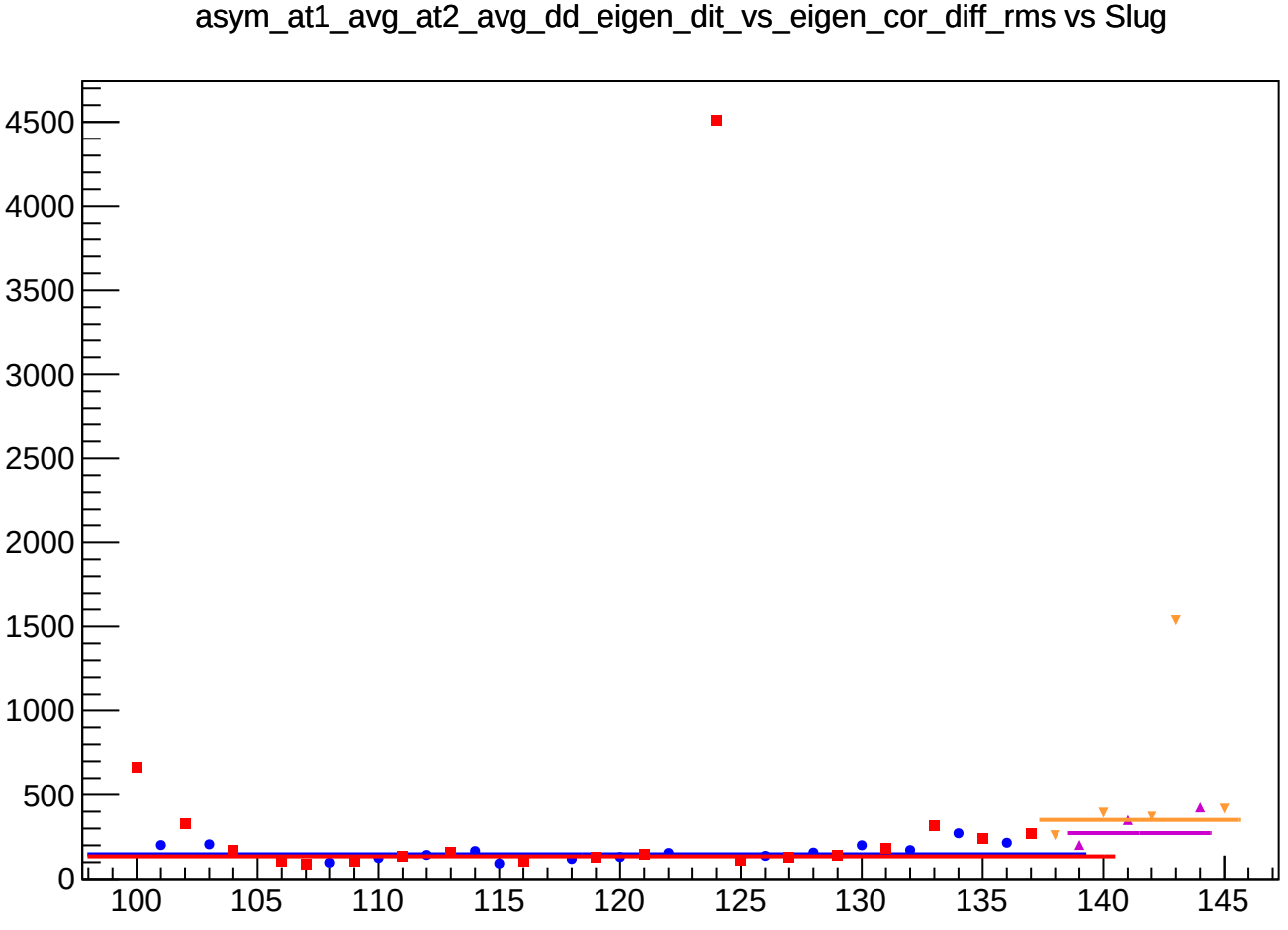
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

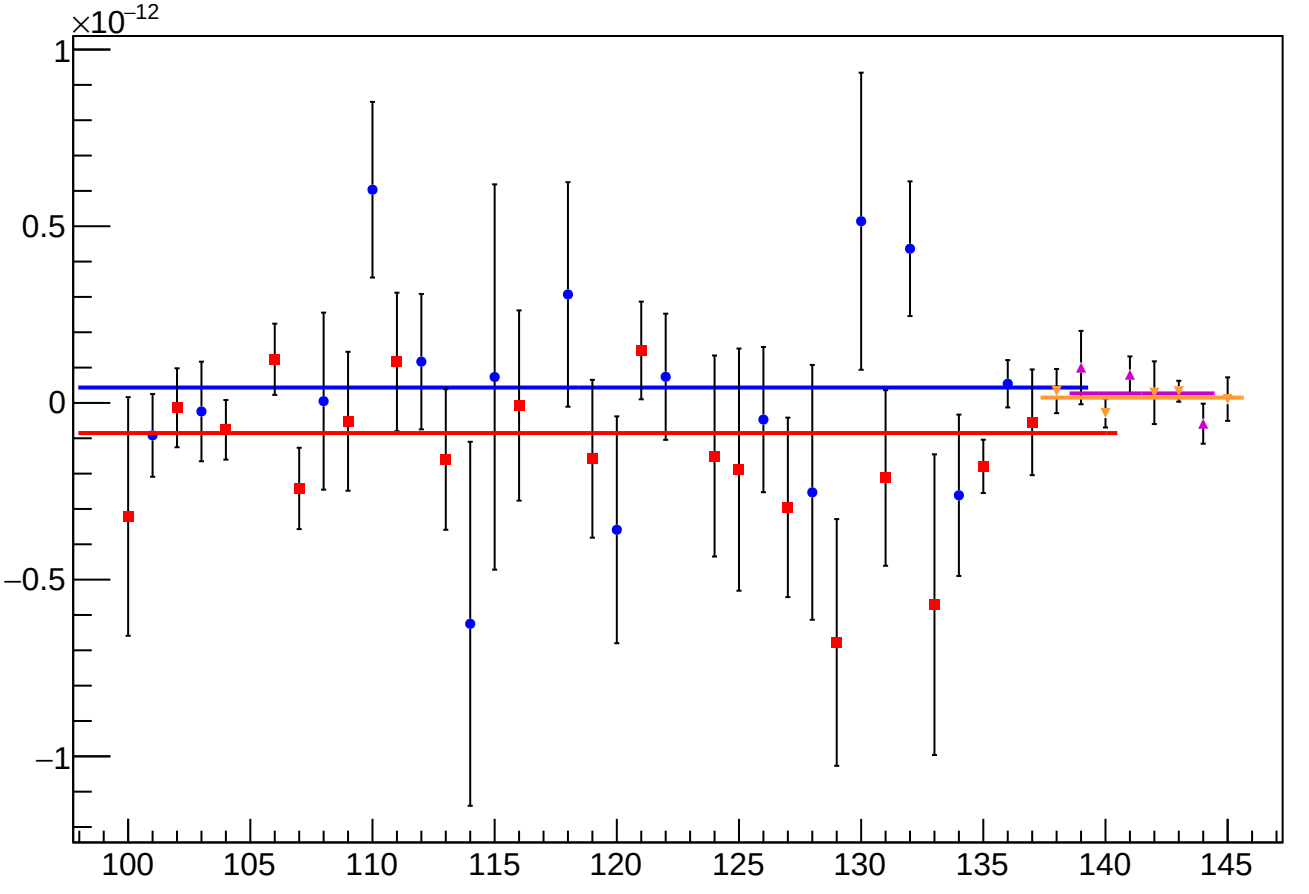
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 153.681+/-0.027 χ^2/NDF: 7362984.1/42

- sign 146.138+/-0.037 χ^2/NDF: 3180922.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

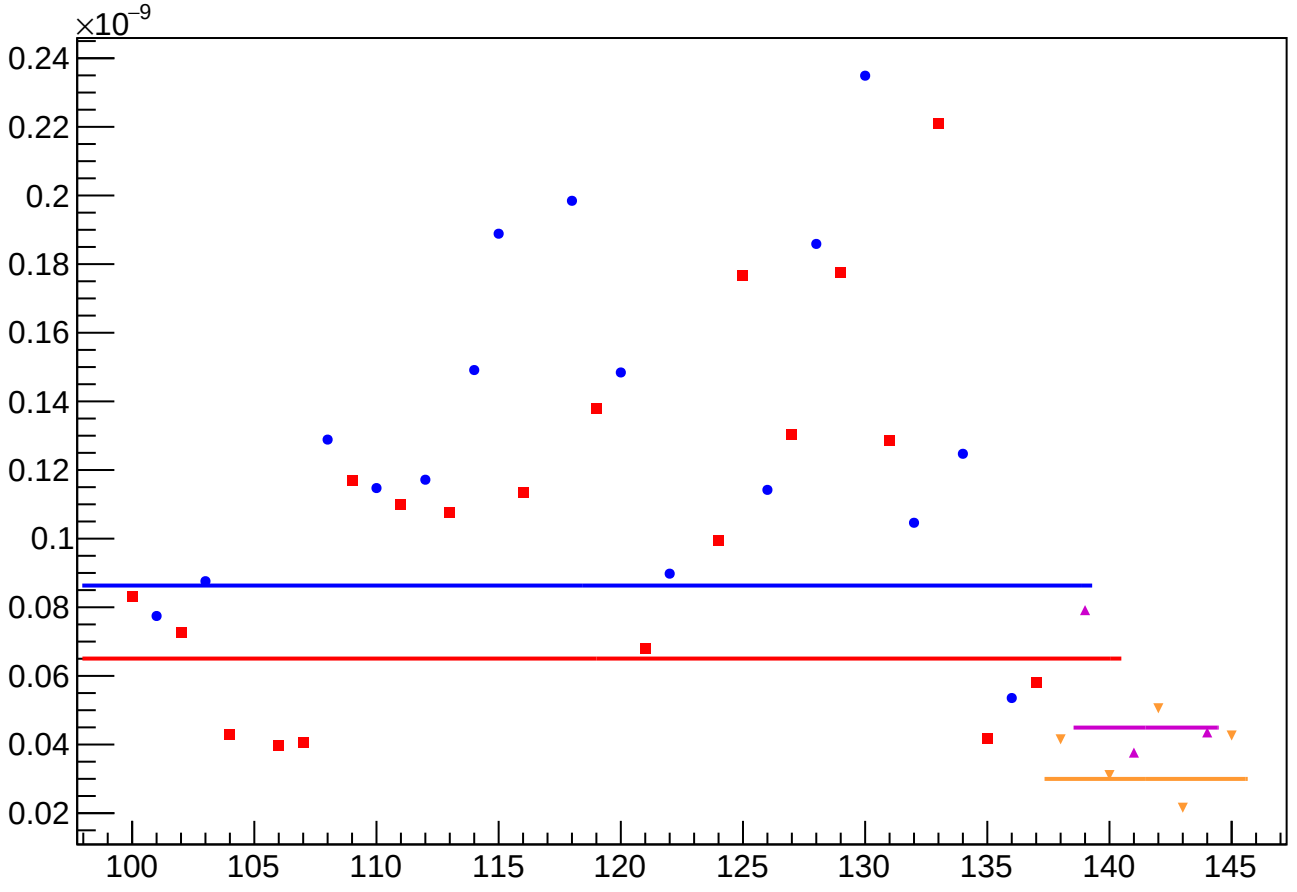
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/20

All: 0.000+/-0.000 χ^2/NDF: 51.0/42

- sign -0.000+/-0.000 χ^2/NDF: 27.2/21



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

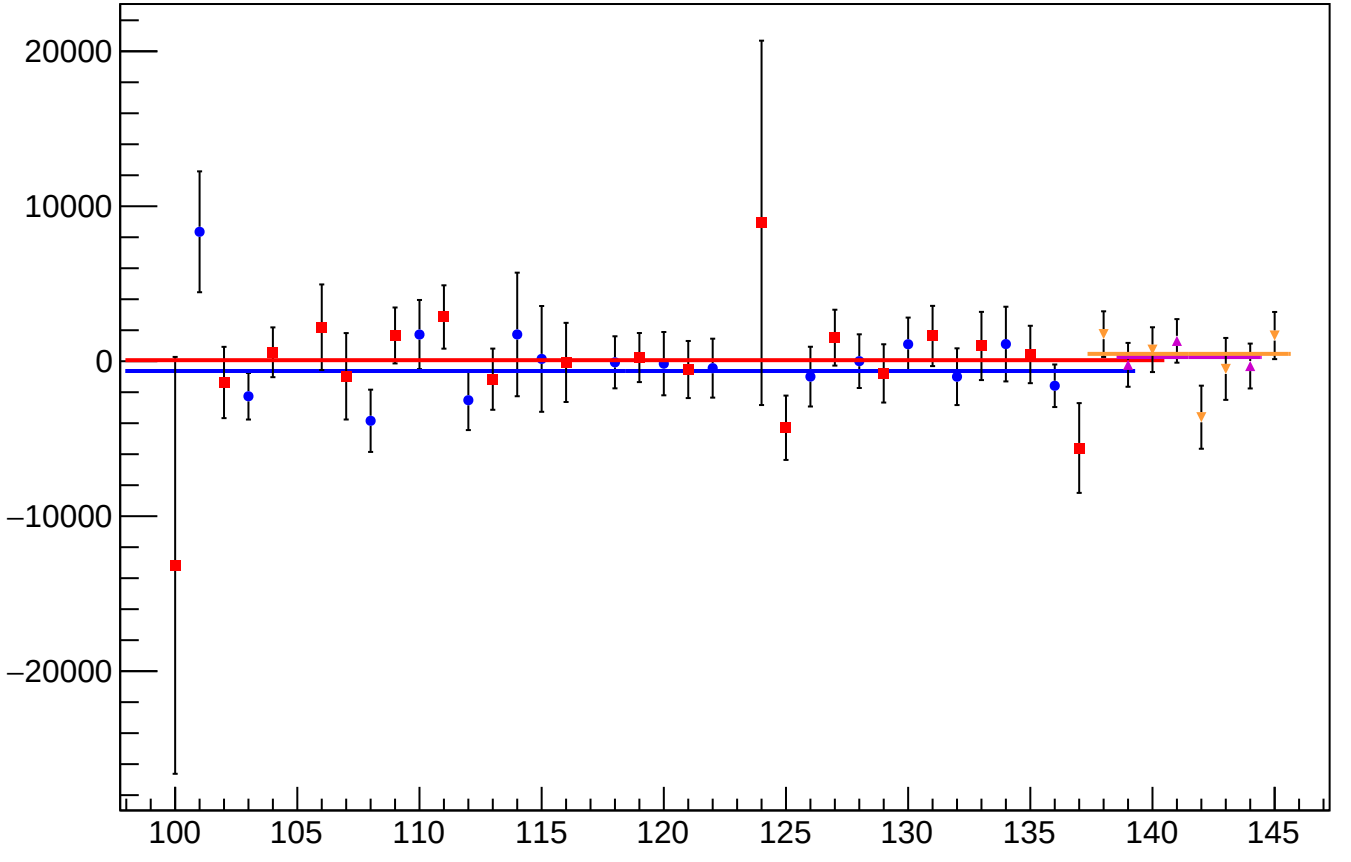
Left In: 0.000+/-0.000 χ^2/NDF:258662.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 4814445.4/20

All: 0.000+/-0.000 χ^2/NDF: 8029172.8/42

- sign 0.000+/-0.000 χ^2/NDF: 2747528.0/21

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

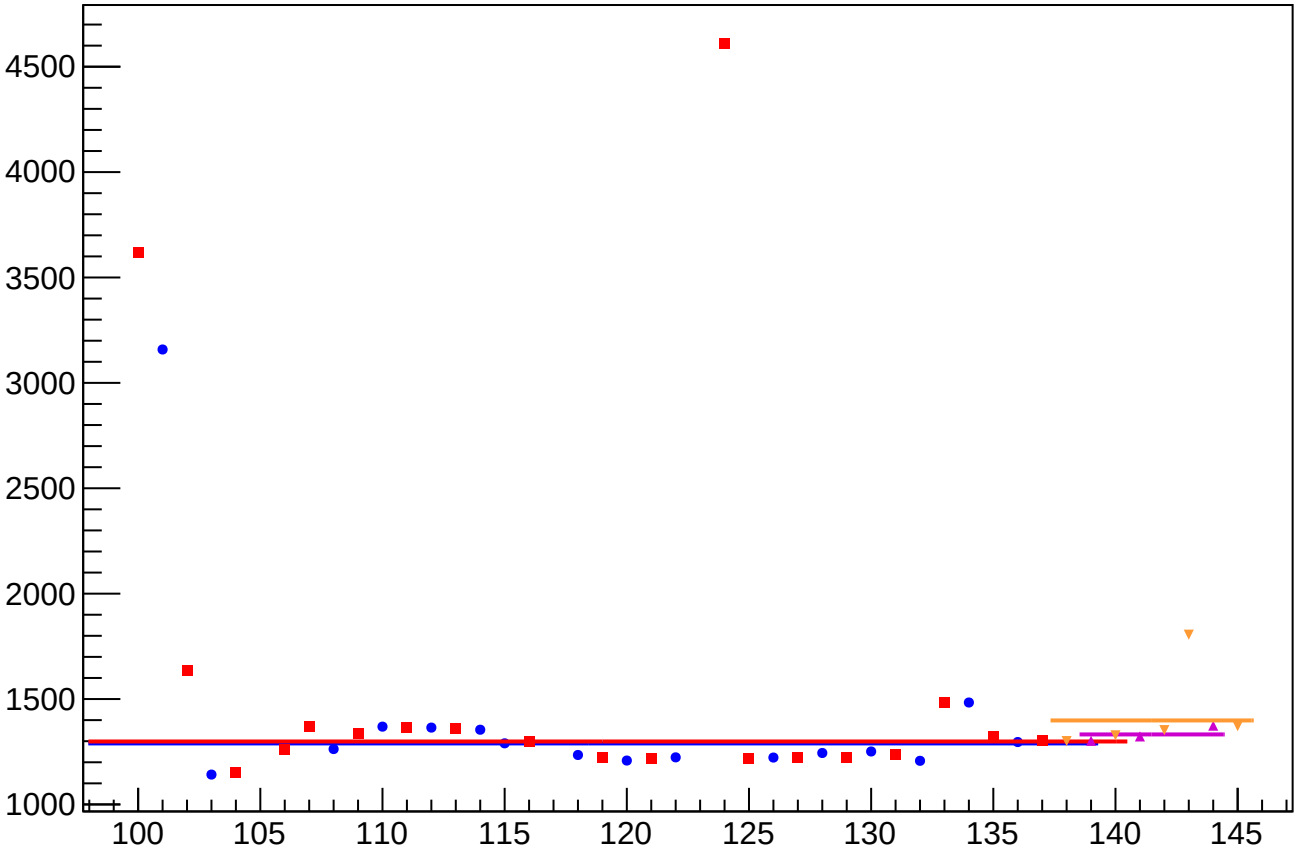
Left In: 269.681+/-821.347 χ^2/NDF:0.8/2

+ sign -290.574+/-406.524 χ^2/NDF: 21.1/20

All: -91.525+/-291.896 χ^2/NDF: 38.4/42

- sign 120.317+/-419.384 χ^2/NDF: 16.7/21

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

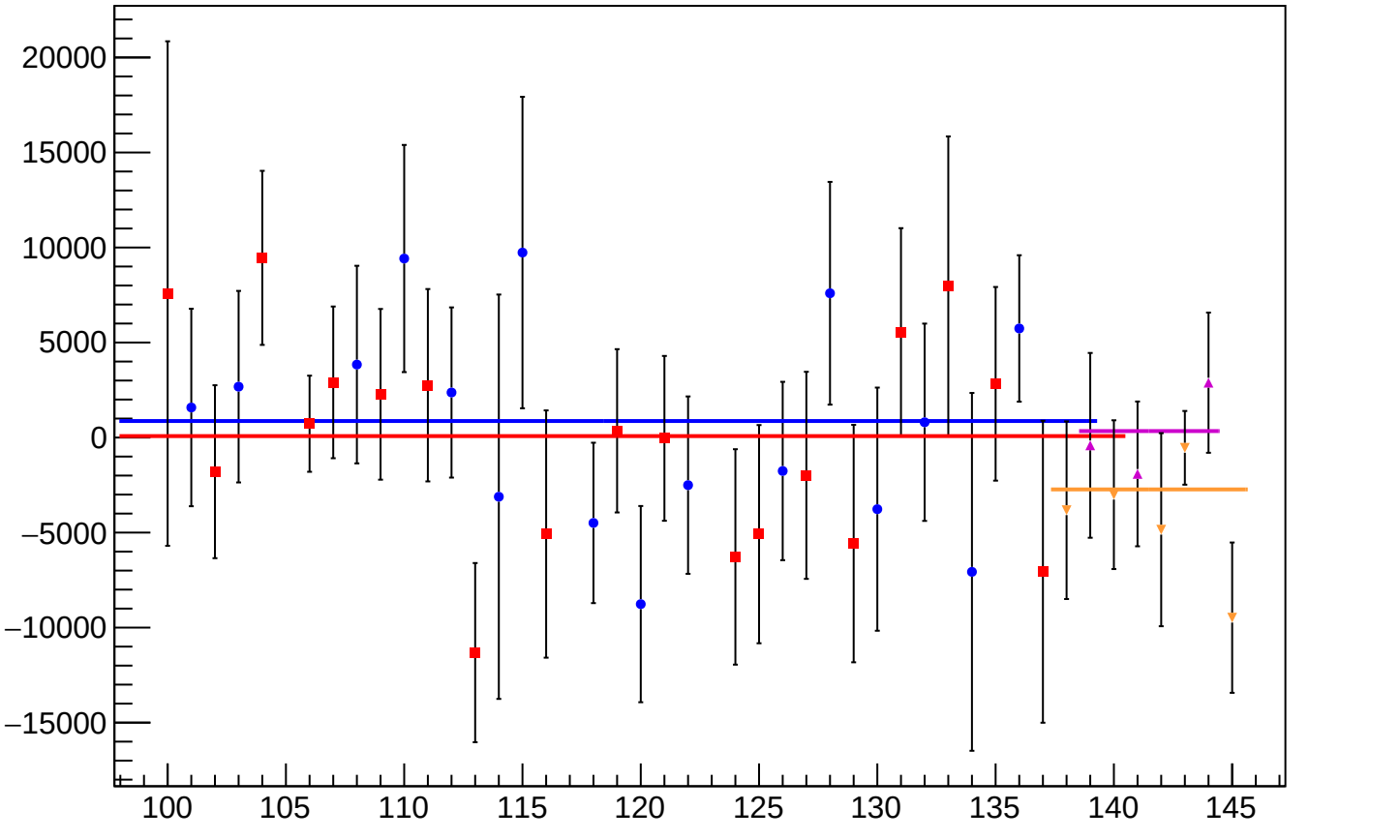
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1332.130+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643518.3/20

All: 1315.416+/-0.206 χ^2/NDF: 969448.6/42

- sign 1307.349+/-0.296 χ^2/NDF: 324486.8/21



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2728.713+/-1444.041 χ^2/NDF:4.4/4

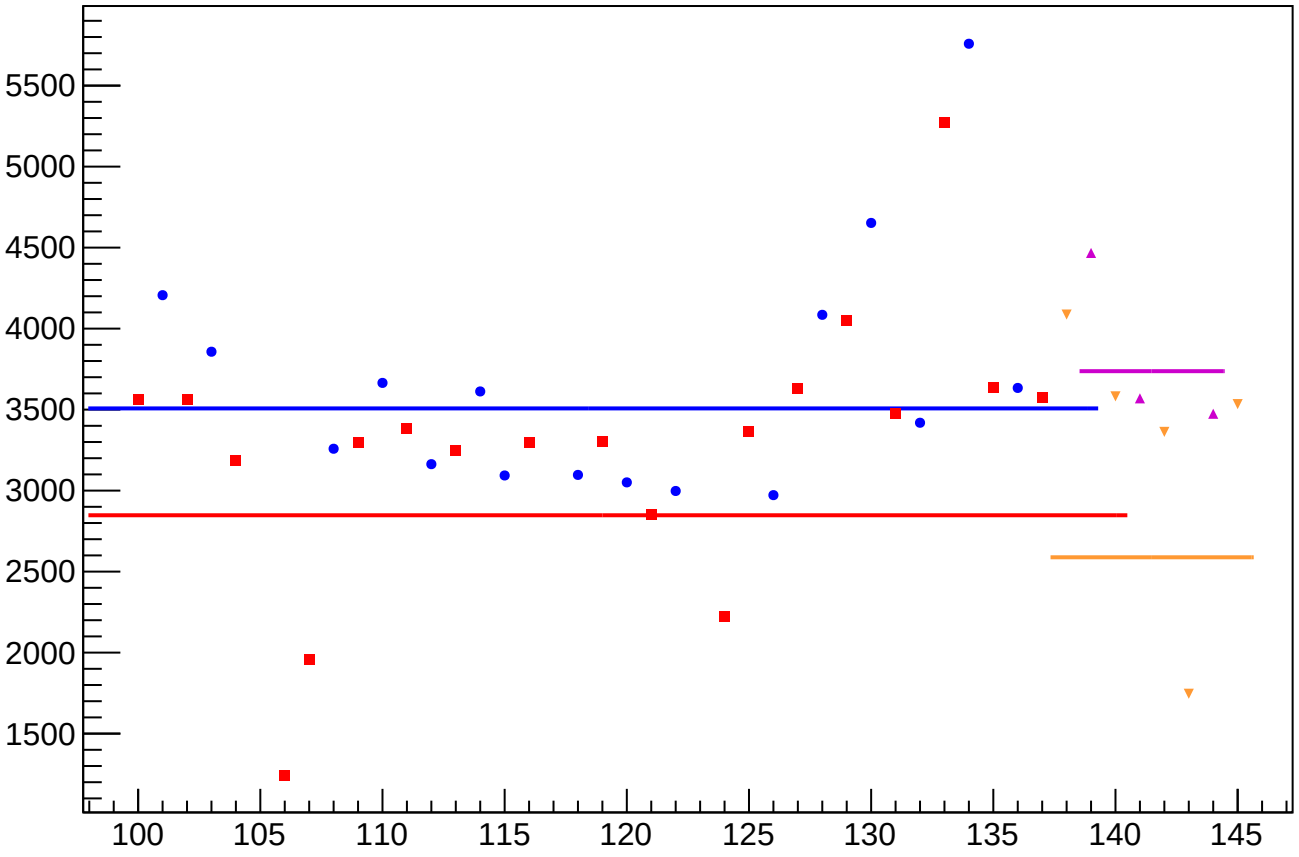
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 341.754+/-2326.506 χ^2/NDF:0.9/2

+ sign -775.149+/-976.404 χ^2/NDF: 21.8/20

All: -336.293+/-699.502 χ^2/NDF: 41.5/42

- sign 126.433+/-1002.607 χ^2/NDF: 19.2/21



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

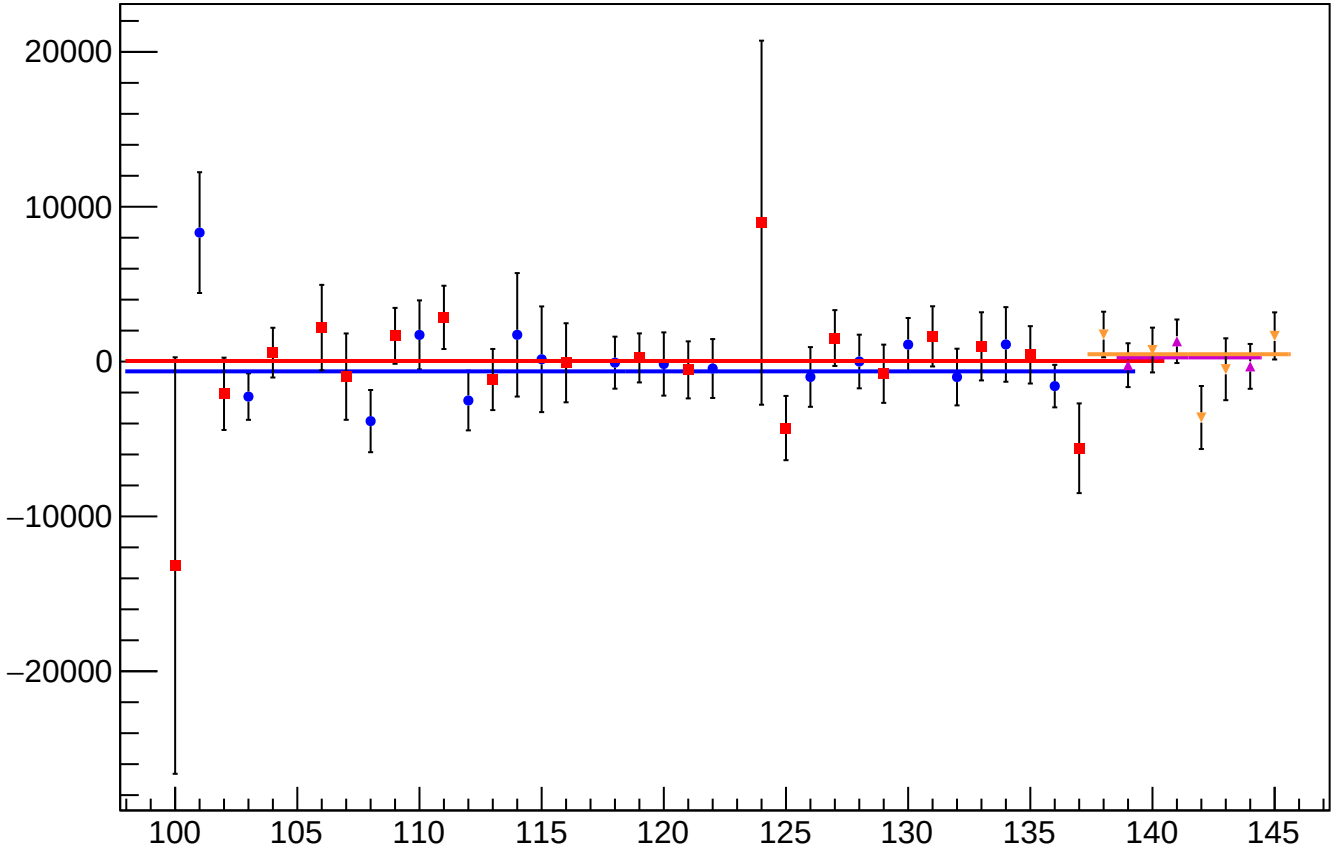
Left In: 3737.276+/-1.645 χ^2/NDF:59109.6/2

+ sign 3087.222+/-0.690 χ^2/NDF: 1666091.3/20

All: 3051.102+/-0.495 χ^2/NDF: 3468228.2/42

- sign 3013.018+/-0.709 χ^2/NDF: 1796514.3/21

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

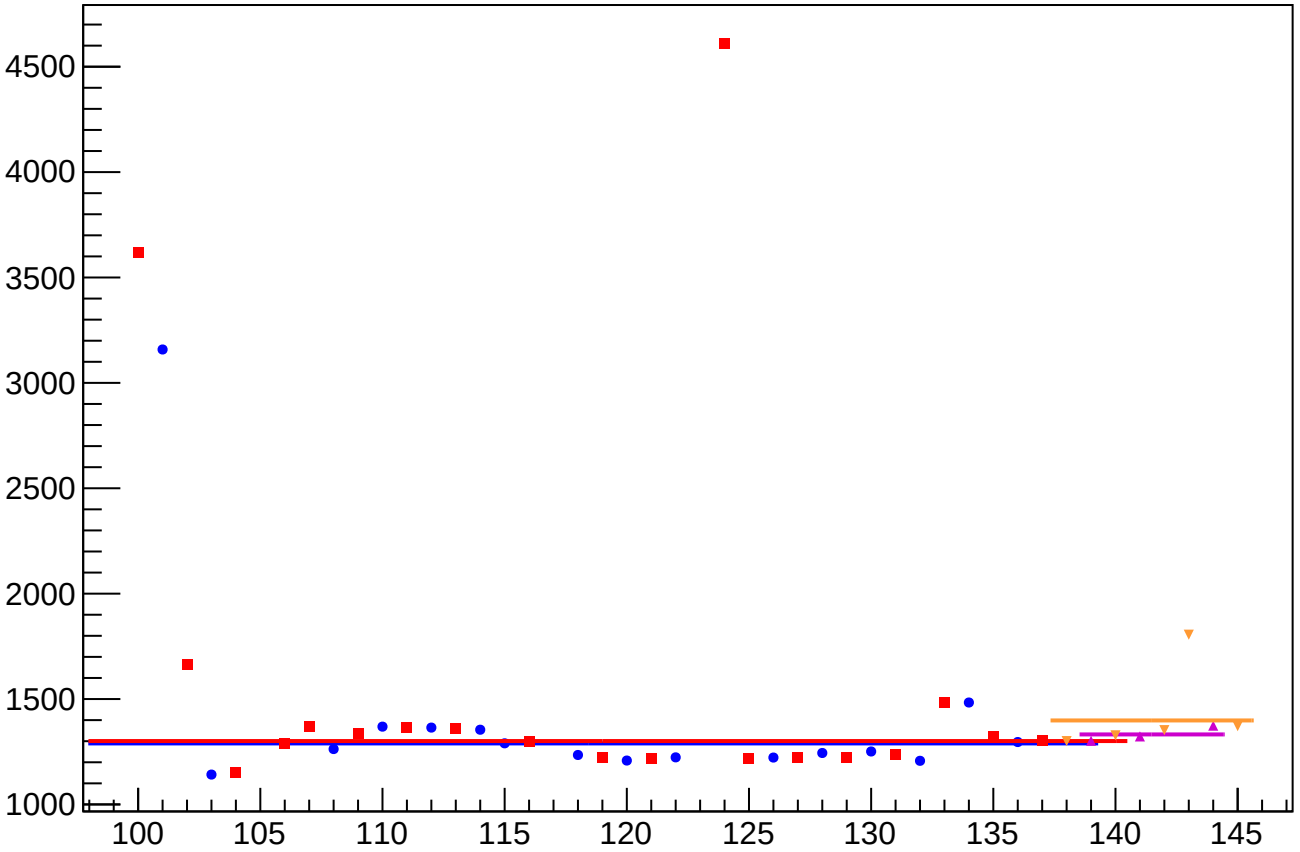
Left In: 269.641+/-821.347 χ^2/NDF:0.8/2

+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -102.121+/-291.966 χ^2/NDF: 38.8/42

- sign 98.913+/-419.590 χ^2/NDF: 17.2/21

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

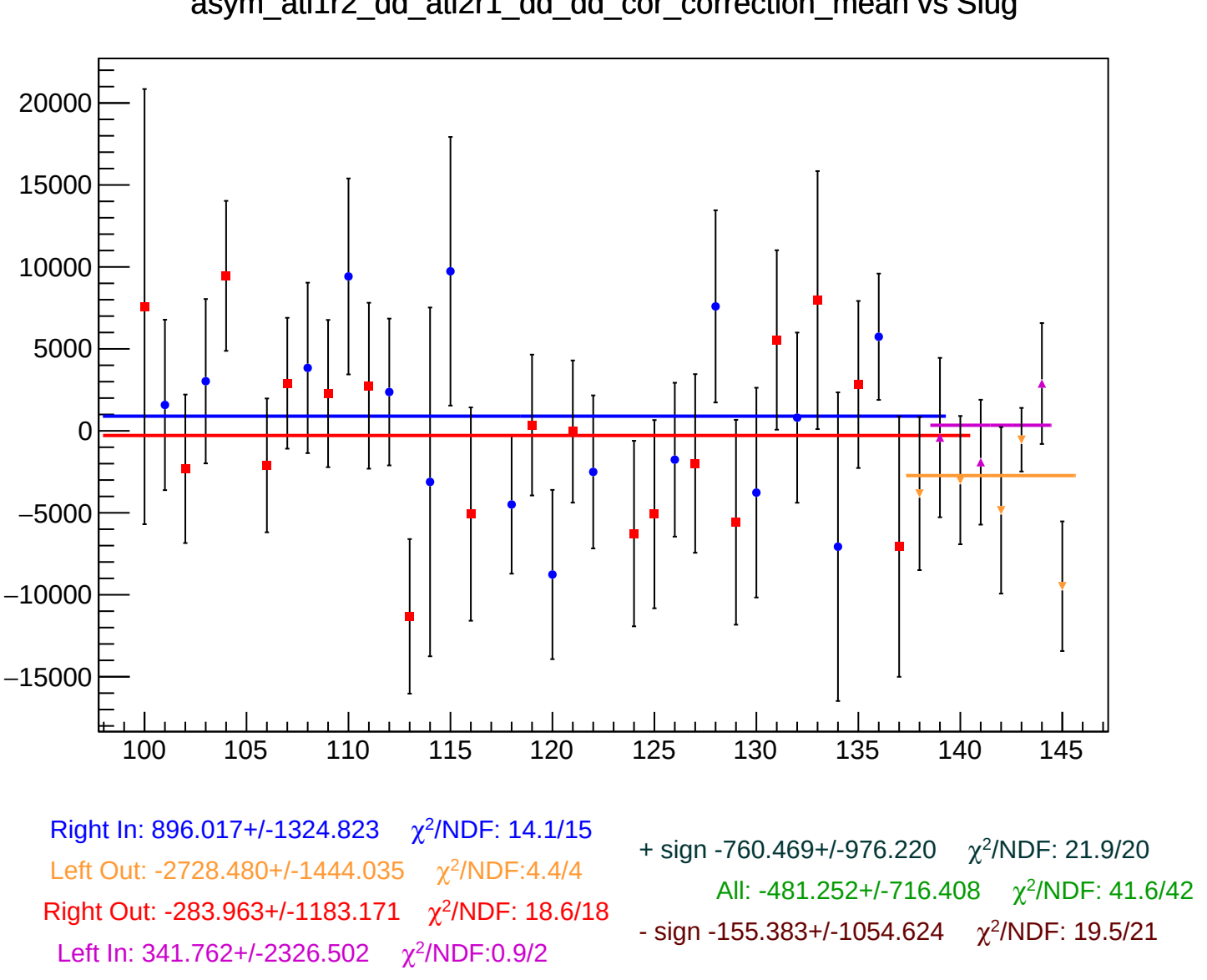
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

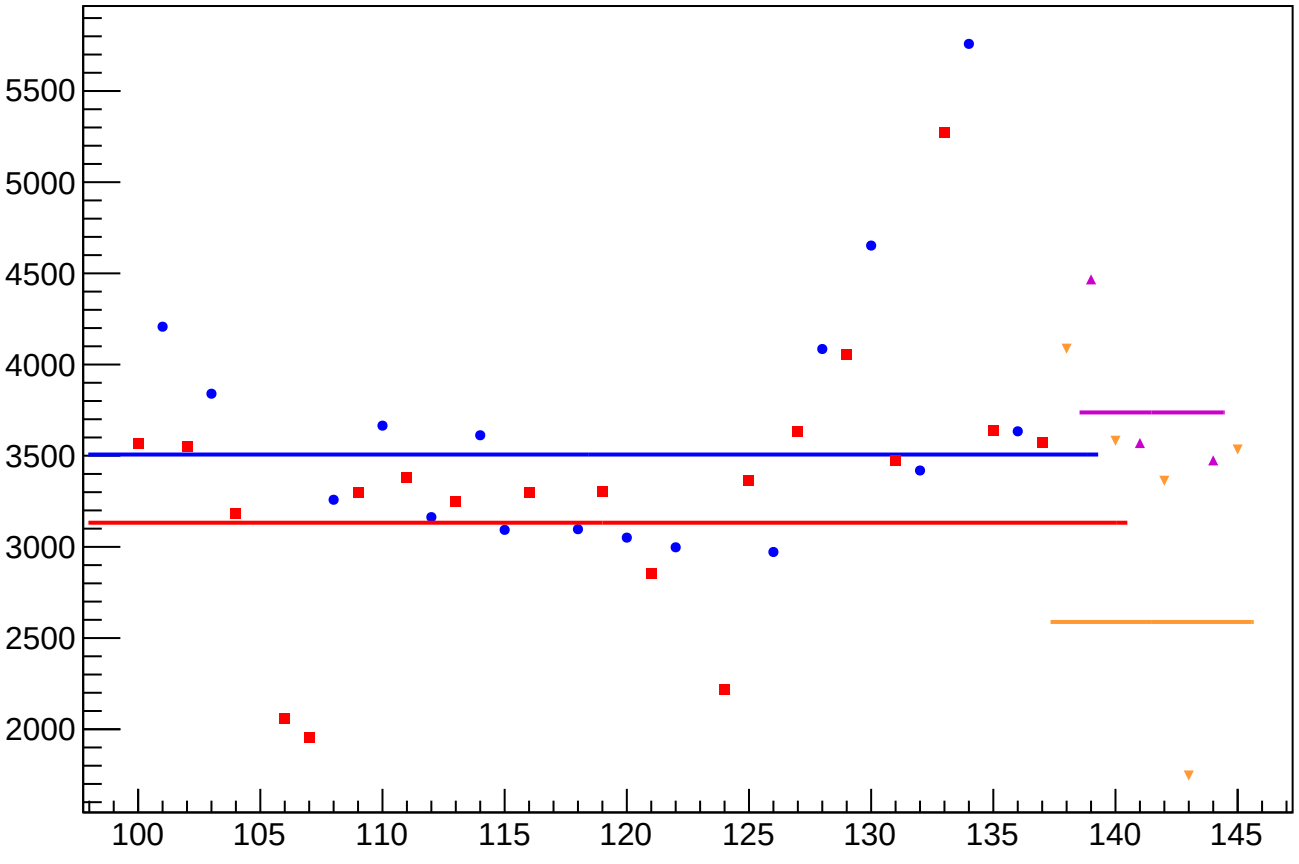
Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1316.161+/-0.206 χ^2/NDF: 975424.8/42

- sign 1308.868+/-0.296 χ^2/NDF: 330728.9/21


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
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: 341.762+/-2326.502 χ²/NDF:0.9/2
+ sign -760.469+/-976.220 χ²/NDF: 21.9/20
All: -481.252+/-716.408 χ²/NDF: 41.6/42
- sign -155.383+/-1054.624 χ²/NDF: 19.5/21



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

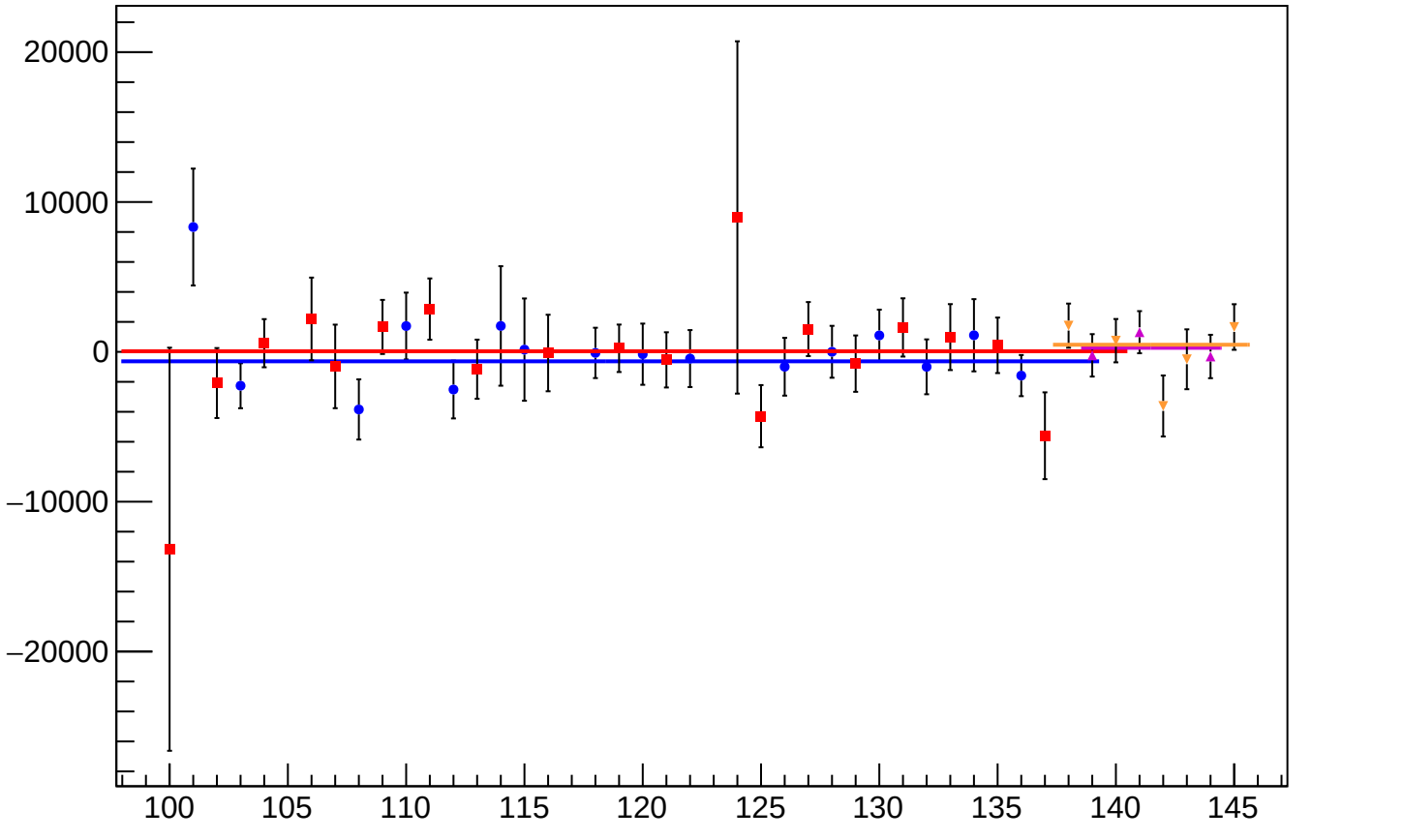
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3165.307+/-0.507 χ^2/NDF: 2508679.9/42

- sign 3256.842+/-0.746 χ^2/NDF: 816064.2/21



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

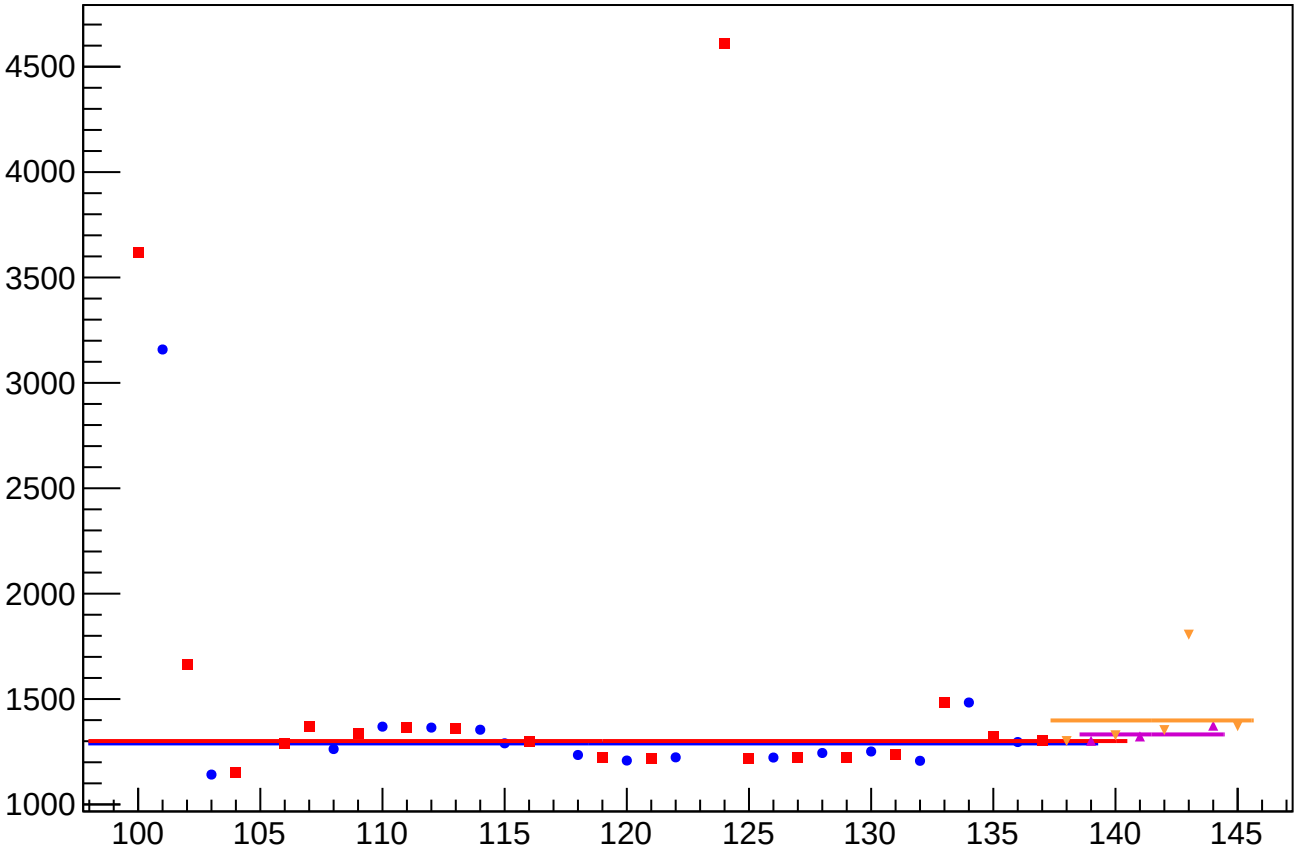
Left In: 269.641+/-821.347 χ^2/NDF:0.8/2

\+ sign -290.830+/-406.524 χ^2/NDF: 21.1/20

All: -102.121+/-291.966 χ^2/NDF: 38.8/42

\- sign 98.913+/-419.590 χ^2/NDF: 17.2/21

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

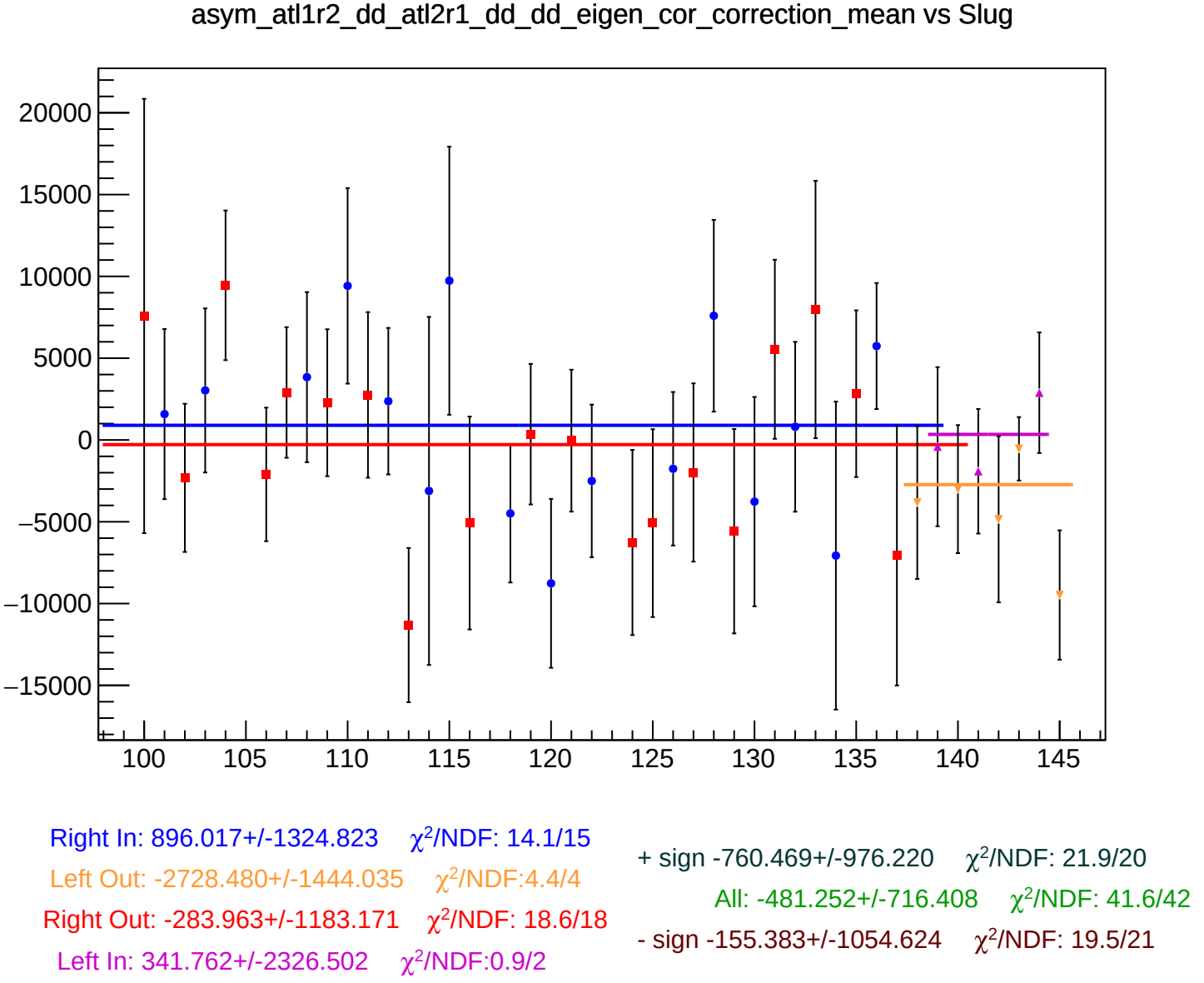
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

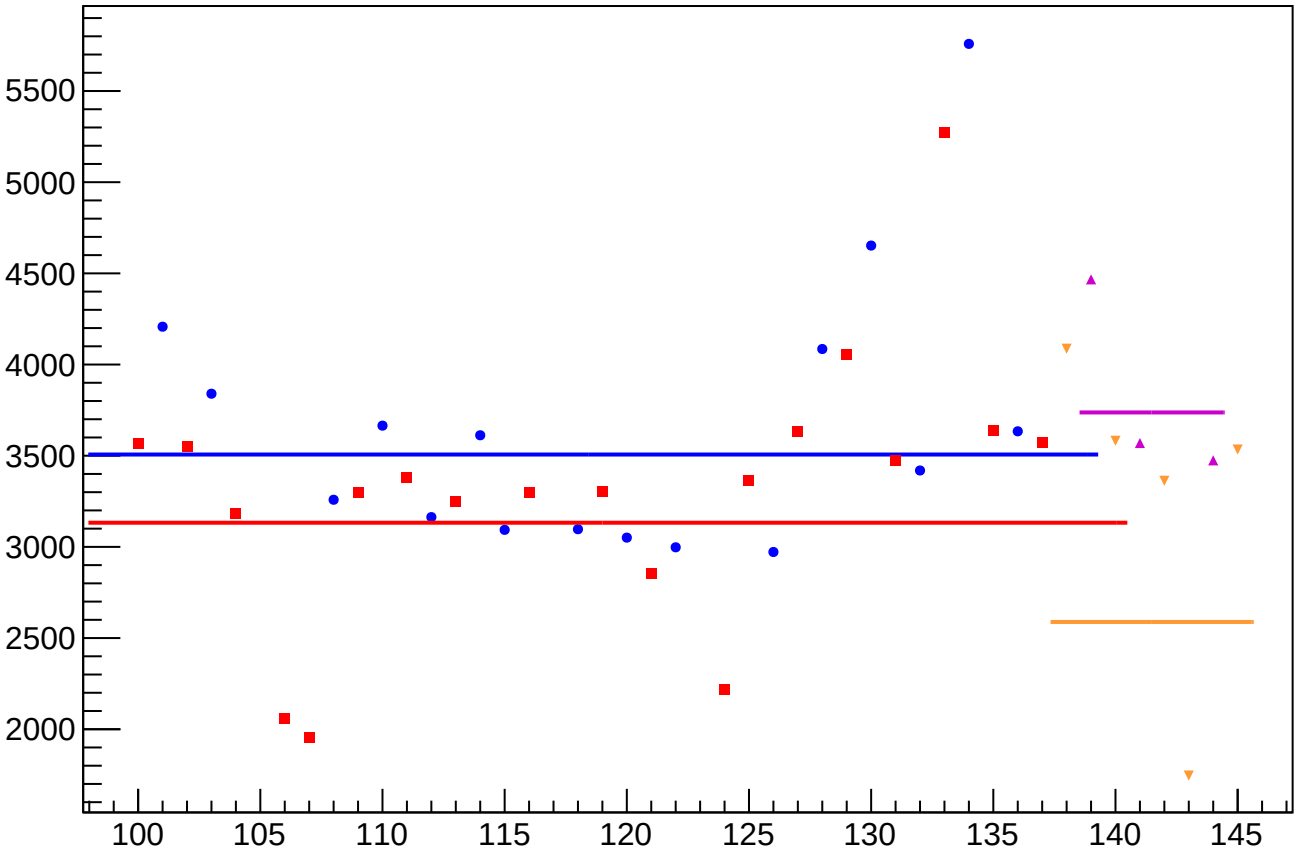
Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

+ sign 1323.025+/-0.287 χ^2/NDF: 643519.9/20

All: 1316.161+/-0.206 χ^2/NDF: 975424.8/42

- sign 1308.868+/-0.296 χ^2/NDF: 330728.9/21


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
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: 341.762+/-2326.502 χ²/NDF:0.9/2
+ sign -760.469+/-976.220 χ²/NDF: 21.9/20
All: -481.252+/-716.408 χ²/NDF: 41.6/42
- sign -155.383+/-1054.624 χ²/NDF: 19.5/21



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

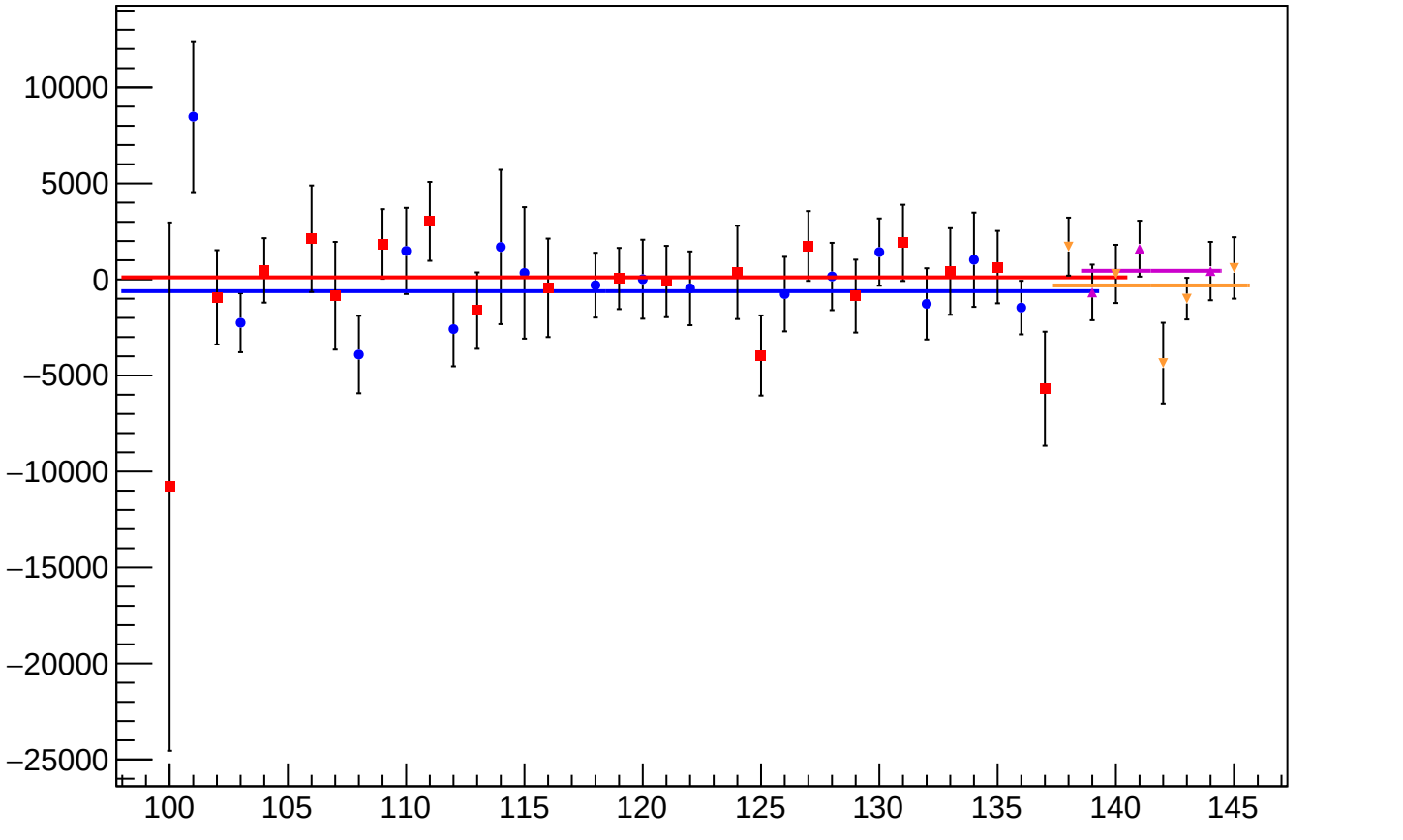
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

+ sign 3086.875+/-0.690 χ^2/NDF: 1664639.5/20

All: 3165.307+/-0.507 χ^2/NDF: 2508679.9/42

- sign 3256.842+/-0.746 χ^2/NDF: 816064.2/21



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

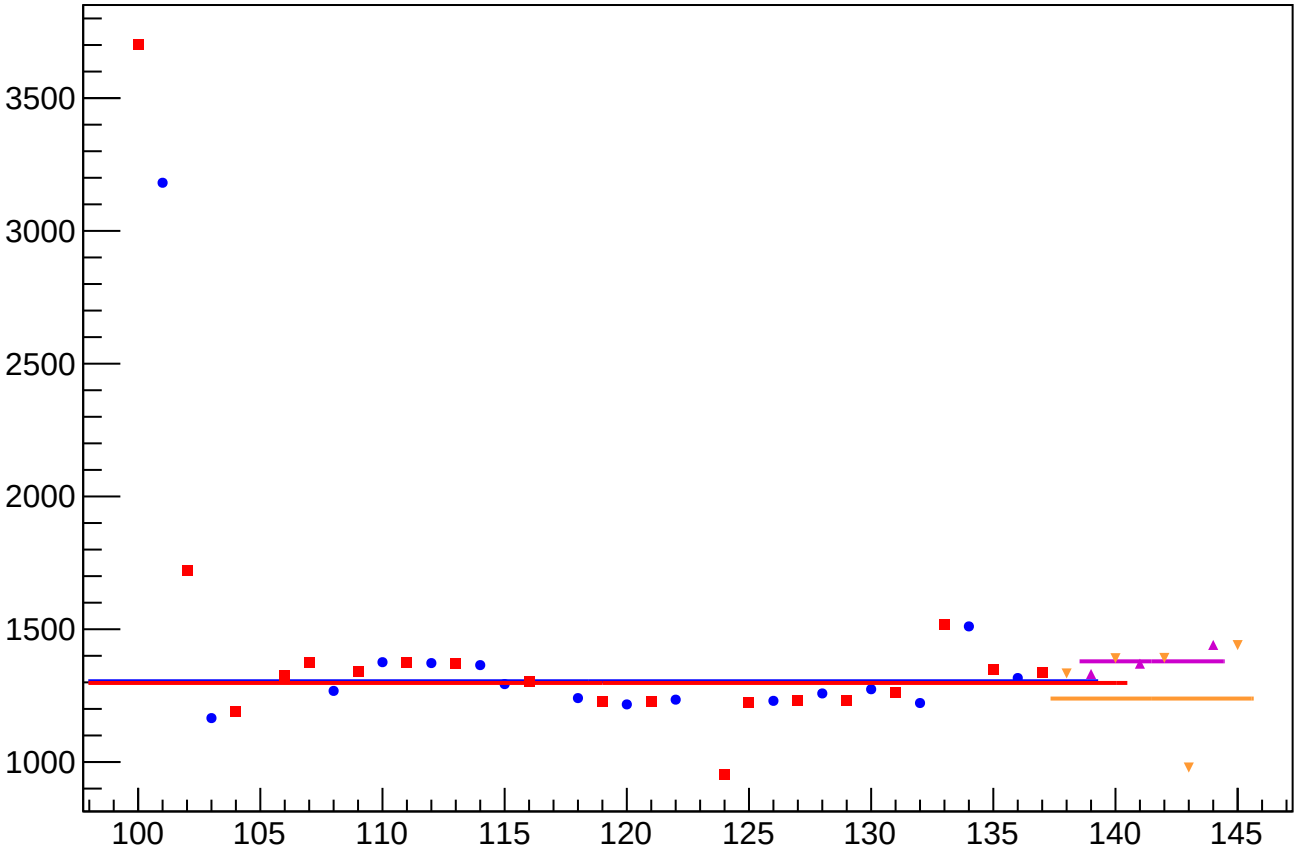
Left In: 451.534+/-850.702 χ^2/NDF:1.2/2

+ sign -499.662+/-394.097 χ^2/NDF: 20.6/20

All: -176.796+/-287.932 χ^2/NDF: 38.3/42

- sign 192.878+/-421.698 χ^2/NDF: 16.2/21

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

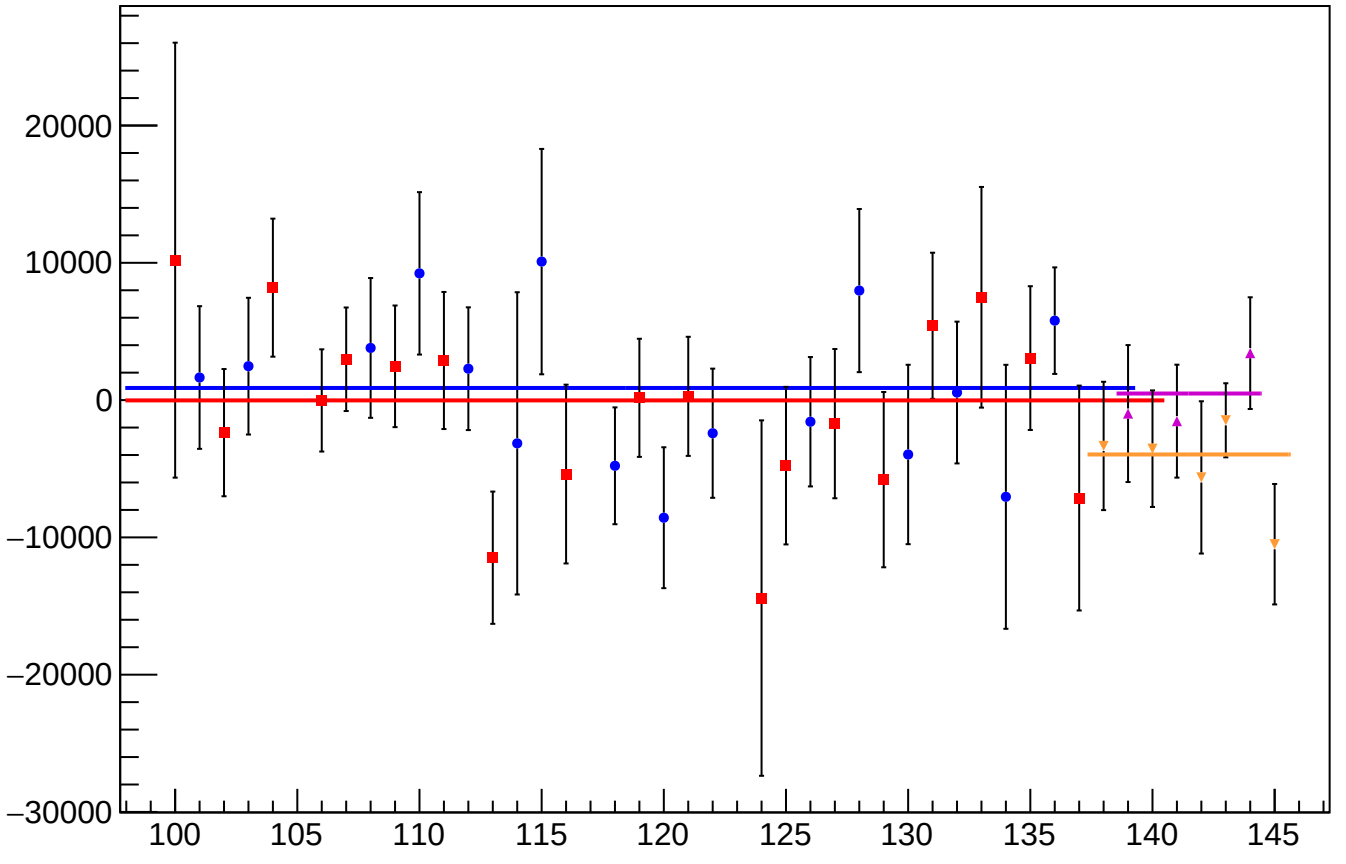
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1379.156+/-0.602 χ^2/NDF:5549.6/2

+ sign 1280.402+/-0.279 χ^2/NDF: 708317.2/20

All: 1297.832+/-0.204 χ^2/NDF: 949153.2/42

- sign 1317.766+/-0.298 χ^2/NDF: 232450.0/21



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

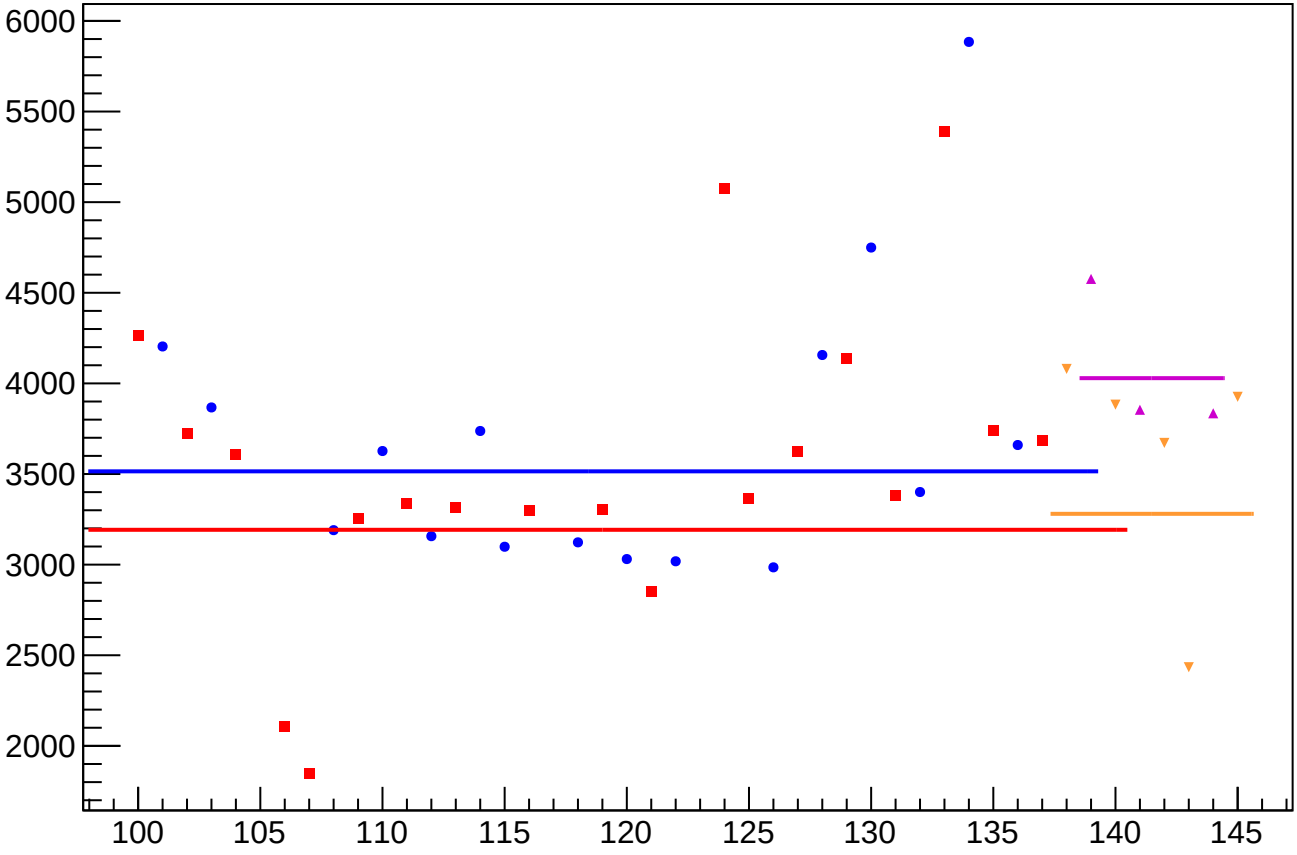
Left In: 479.573+/-2502.432 χ^2/NDF:0.8/2

+ sign -873.607+/-1059.554 χ^2/NDF: 22.1/20

All: -410.314+/-757.041 χ^2/NDF: 40.2/42

- sign 72.848+/-1082.035 χ^2/NDF: 17.7/21

asym_atl1r2_dd_atl2r1_dd_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

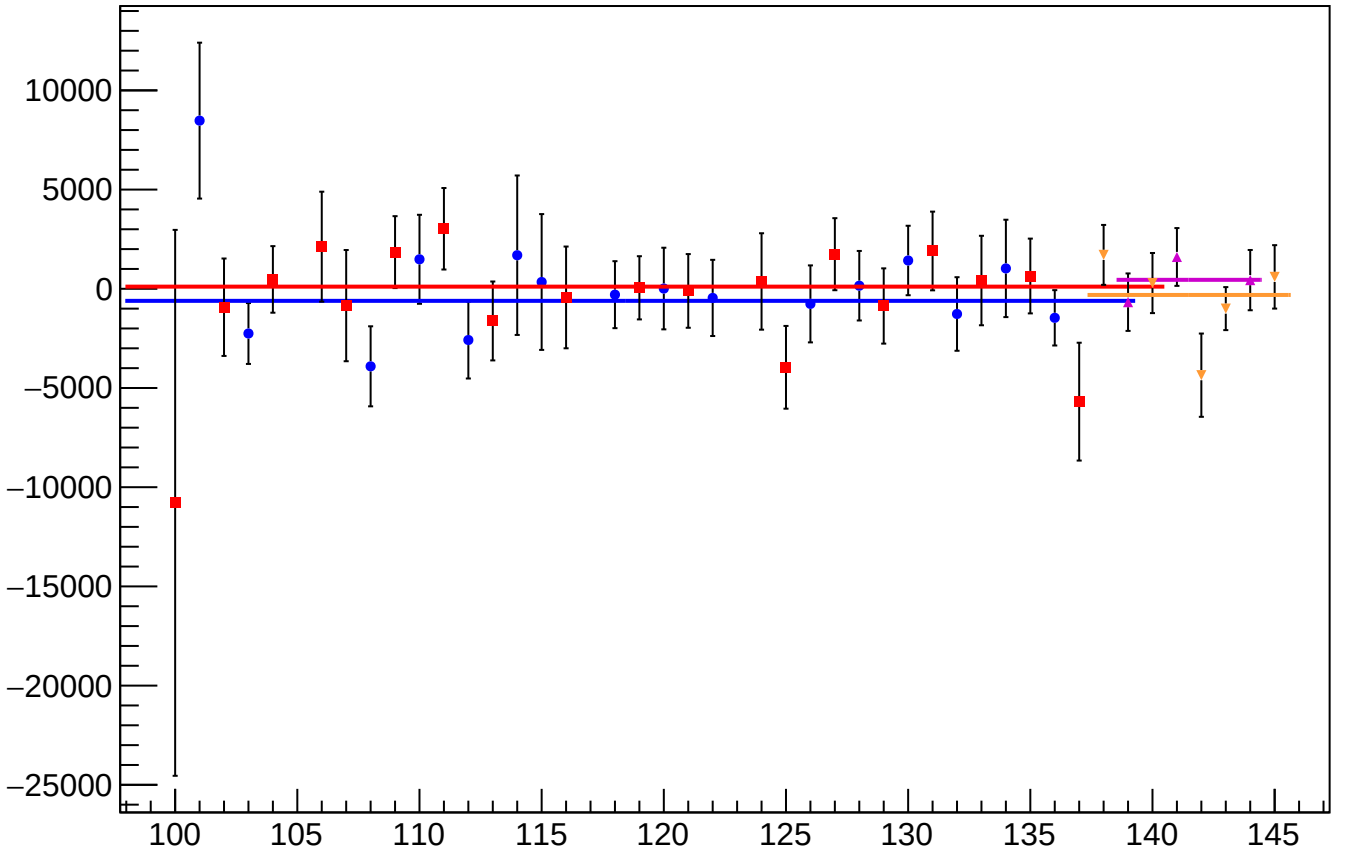
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4028.899+/-1.769 χ^2/NDF:32241.1/2

+ sign 3429.688+/-0.749 χ^2/NDF: 746719.8/20

All: 3390.013+/-0.535 χ^2/NDF: 1738967.3/42

- sign 3348.636+/-0.765 χ^2/NDF: 986518.6/21



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.700+/-653.180 χ^2/NDF:6.4/4

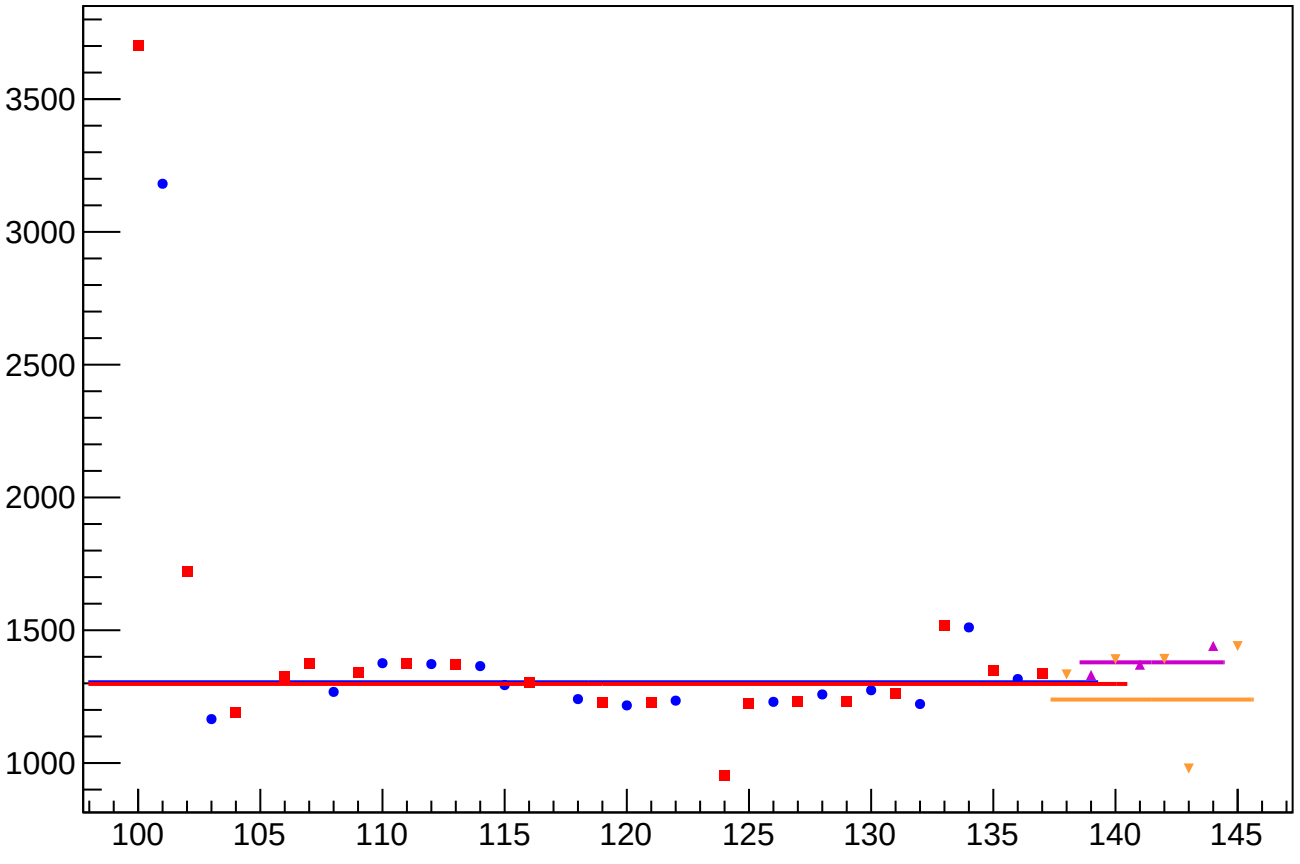
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 451.531+/-850.703 χ^2/NDF:1.2/2

+ sign -499.667+/-394.098 χ^2/NDF: 20.6/20

All: -176.797+/-287.932 χ^2/NDF: 38.3/42

- sign 192.881+/-421.698 χ^2/NDF: 16.2/21



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1238.999+/-0.462 χ^2/NDF:185092.0/4

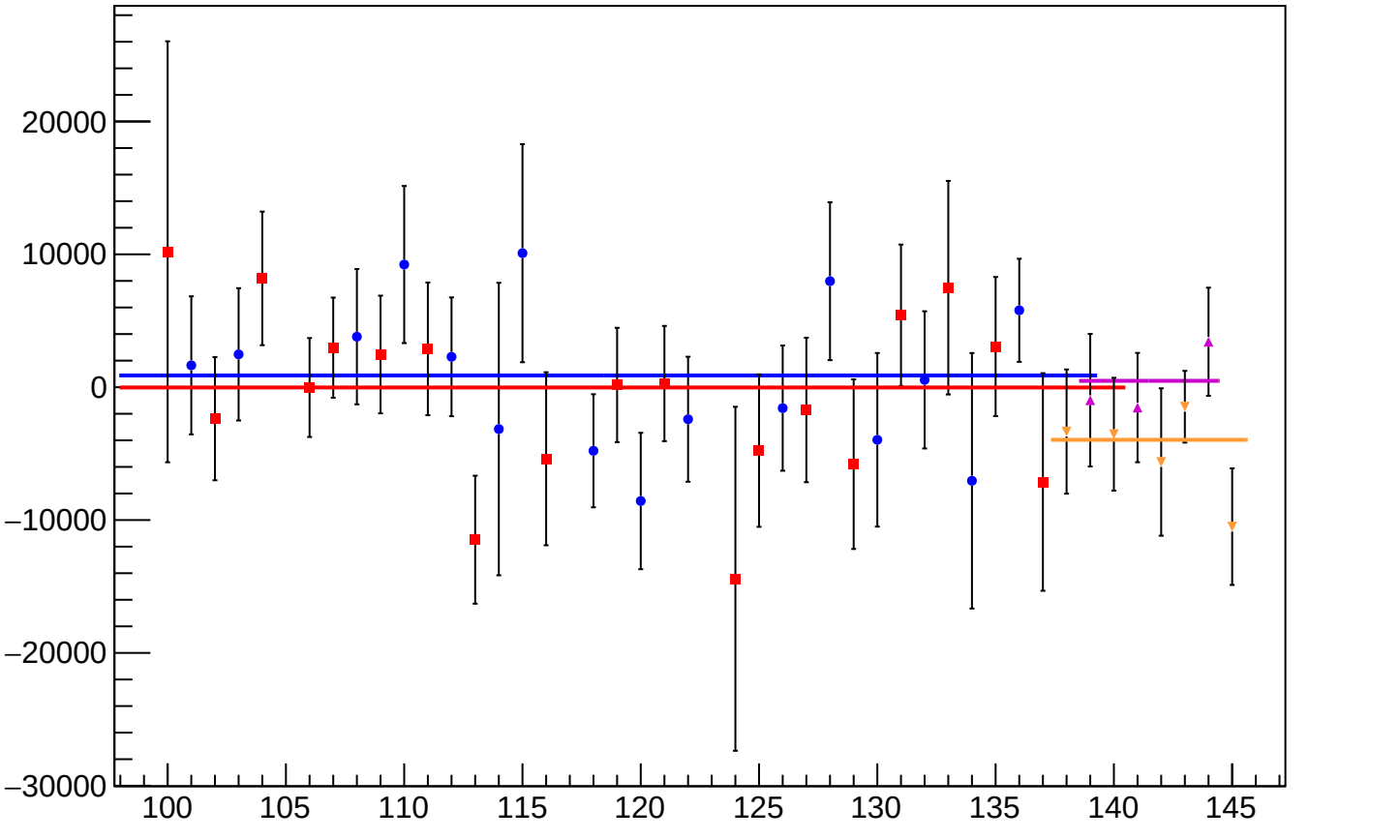
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1379.157+/-0.602 χ^2/NDF:5549.7/2

\+ sign 1280.403+/-0.279 χ^2/NDF: 708317.2/20

All: 1297.832+/-0.204 χ^2/NDF: 949153.6/42

\- sign 1317.766+/-0.298 χ^2/NDF: 232450.4/21



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3960.025+/-1758.981 χ^2/NDF:3.2/4

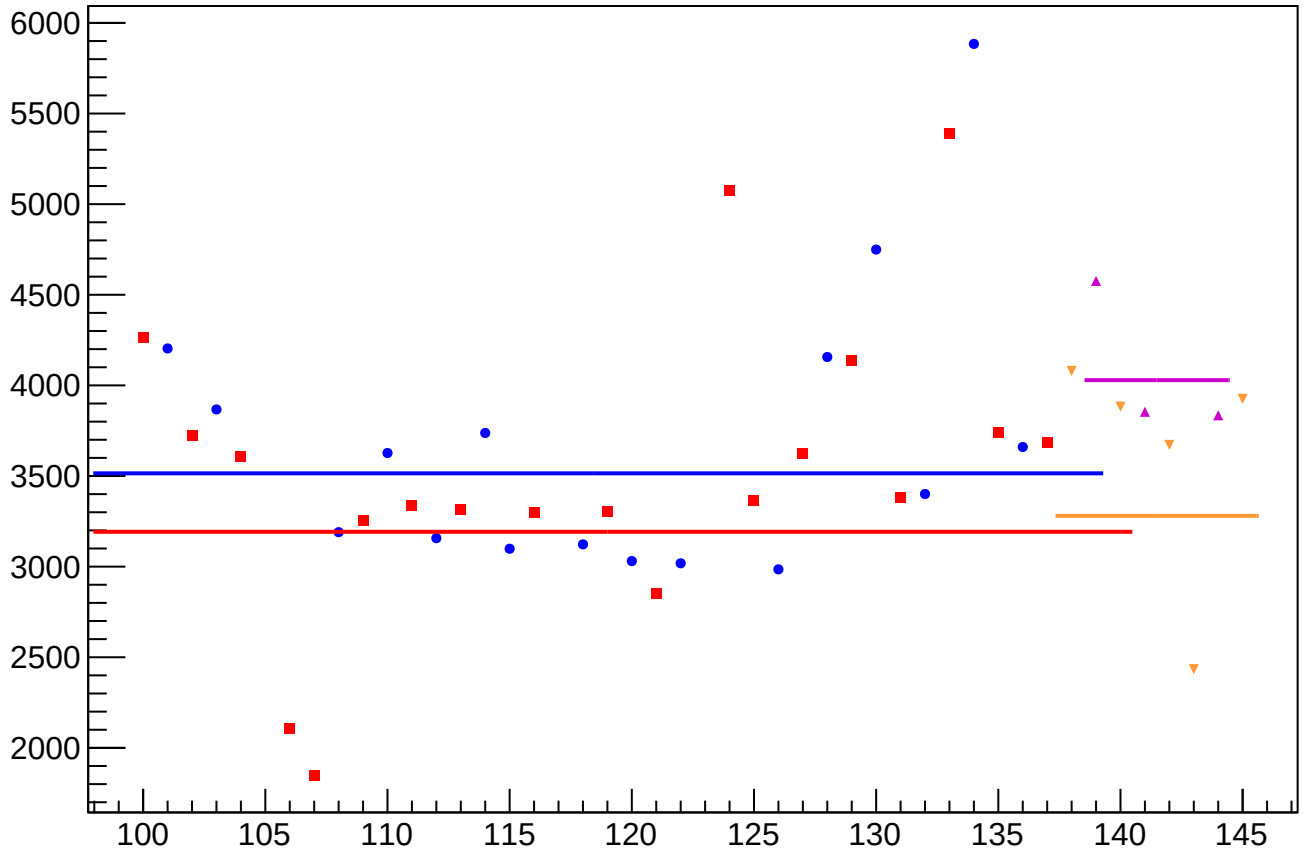
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 479.569+/-2502.436 χ^2/NDF:0.8/2

+ sign -873.606+/-1059.553 χ^2/NDF: 22.1/20

All: -410.312+/-757.040 χ^2/NDF: 40.2/42

- sign 72.850+/-1082.034 χ^2/NDF: 17.7/21



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

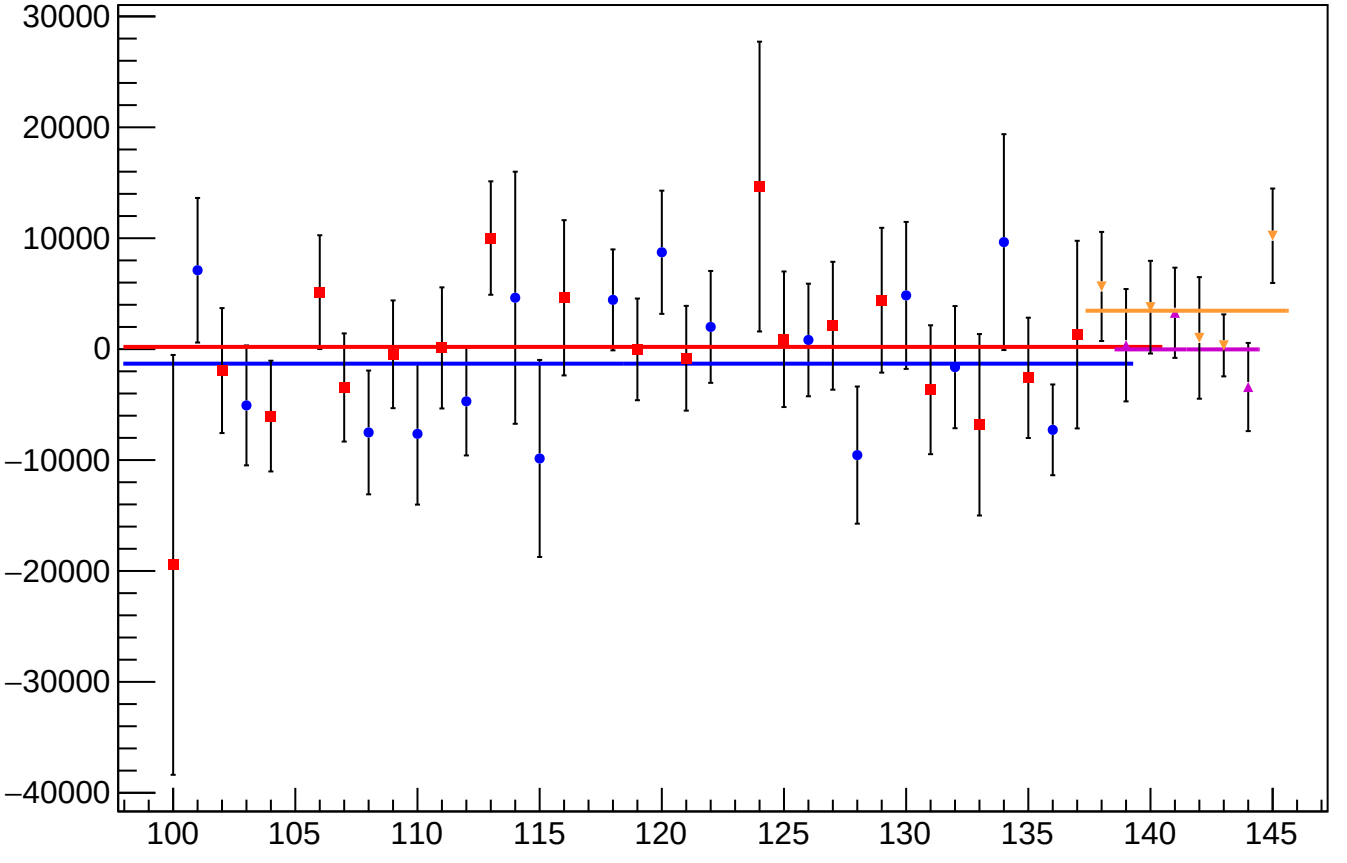
Left In: 4028.906+/-1.769 χ^2/NDF:32241.7/2

\+ sign 3429.685+/-0.749 χ^2/NDF: 746722.0/20

All: 3390.008+/-0.535 χ^2/NDF: 1738978.6/42

\- sign 3348.629+/-0.765 χ^2/NDF: 986527.3/21

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

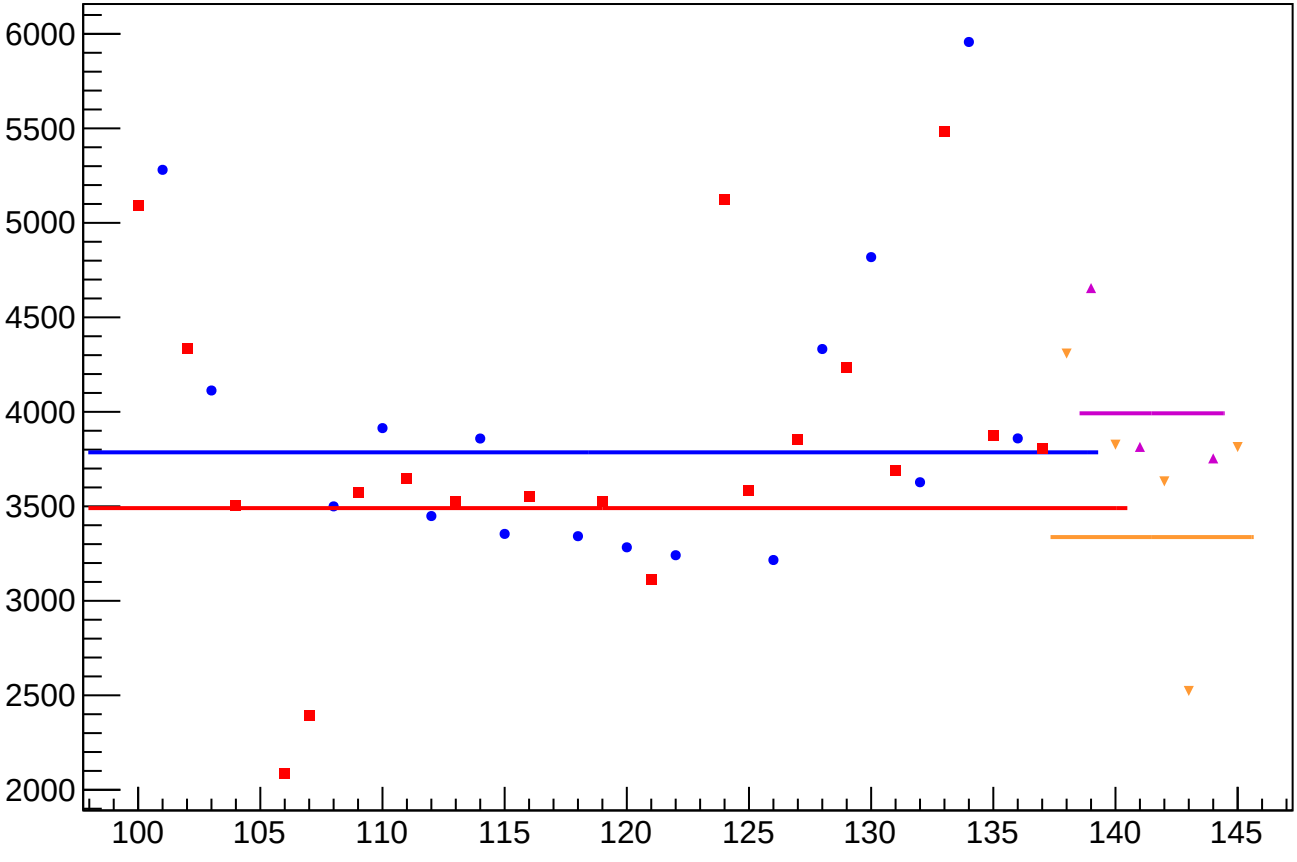
Left In: -22.793+/-2479.396 χ^2/NDF:1.4/2

+ sign 563.514+/-1115.970 χ^2/NDF: 26.1/20

All: 368.130+/-809.554 χ^2/NDF: 39.2/42

- sign 151.099+/-1176.166 χ^2/NDF: 13.0/21

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

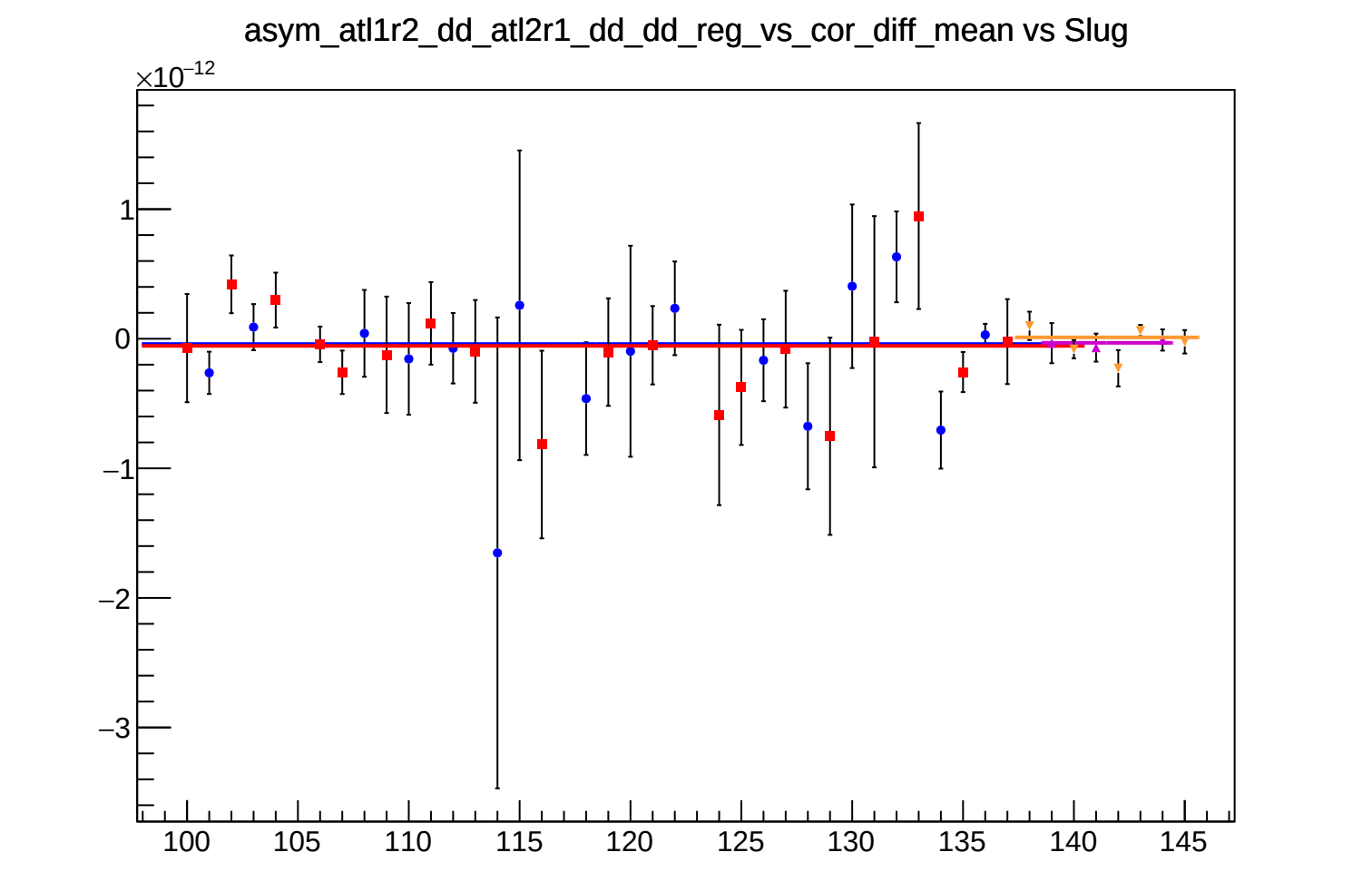
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3992.262+/-1.753 χ^2/NDF:45251.6/2

+ sign 3609.832+/-0.789 χ^2/NDF: 765893.5/20

All: 3605.657+/-0.570 χ^2/NDF: 1461756.2/42

- sign 3601.117+/-0.823 χ^2/NDF: 695804.3/21



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

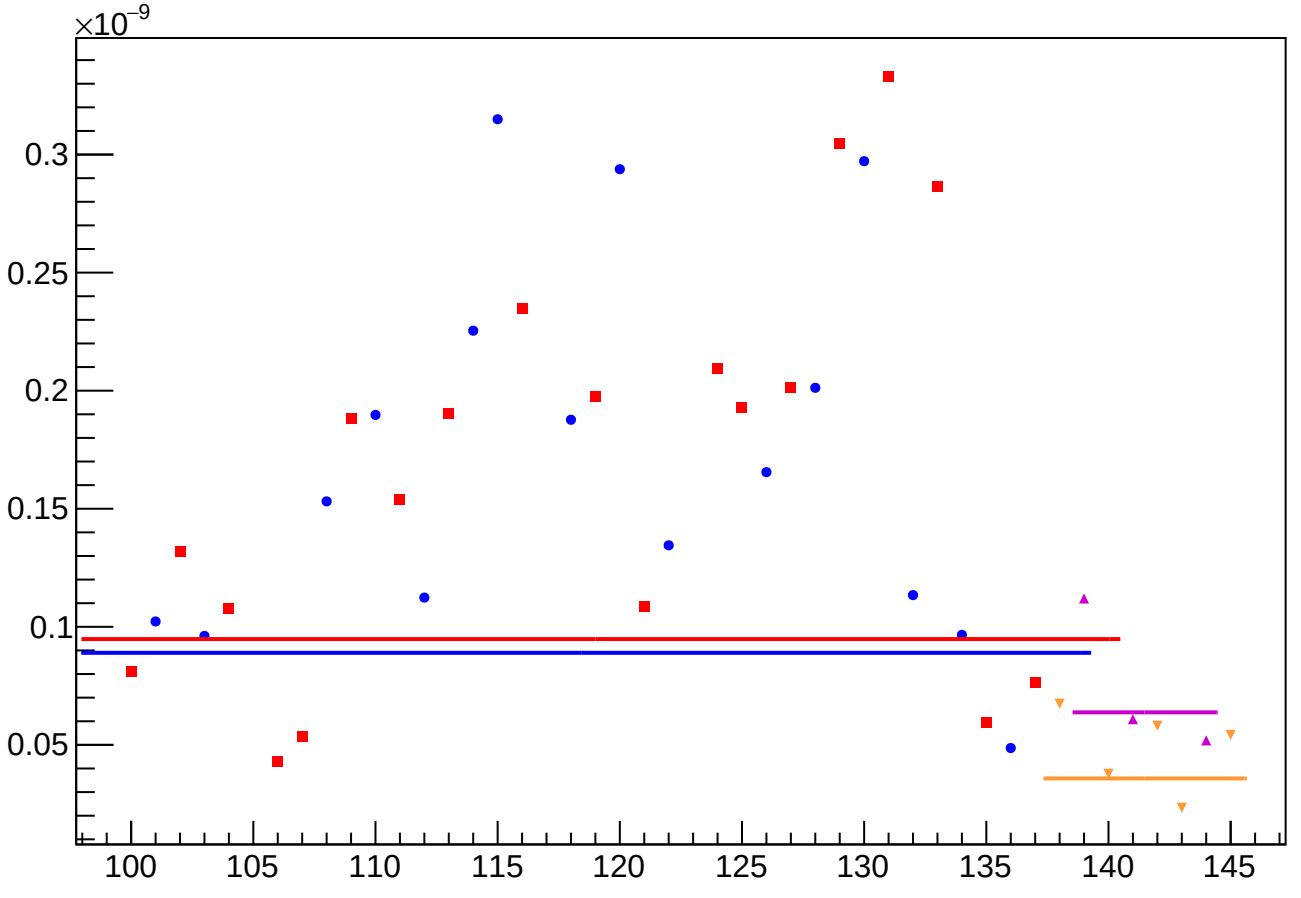
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/20

All: -0.000+/-0.000 χ^2/NDF: 40.7/42

- sign -0.000+/-0.000 χ^2/NDF: 16.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:462218.1/4

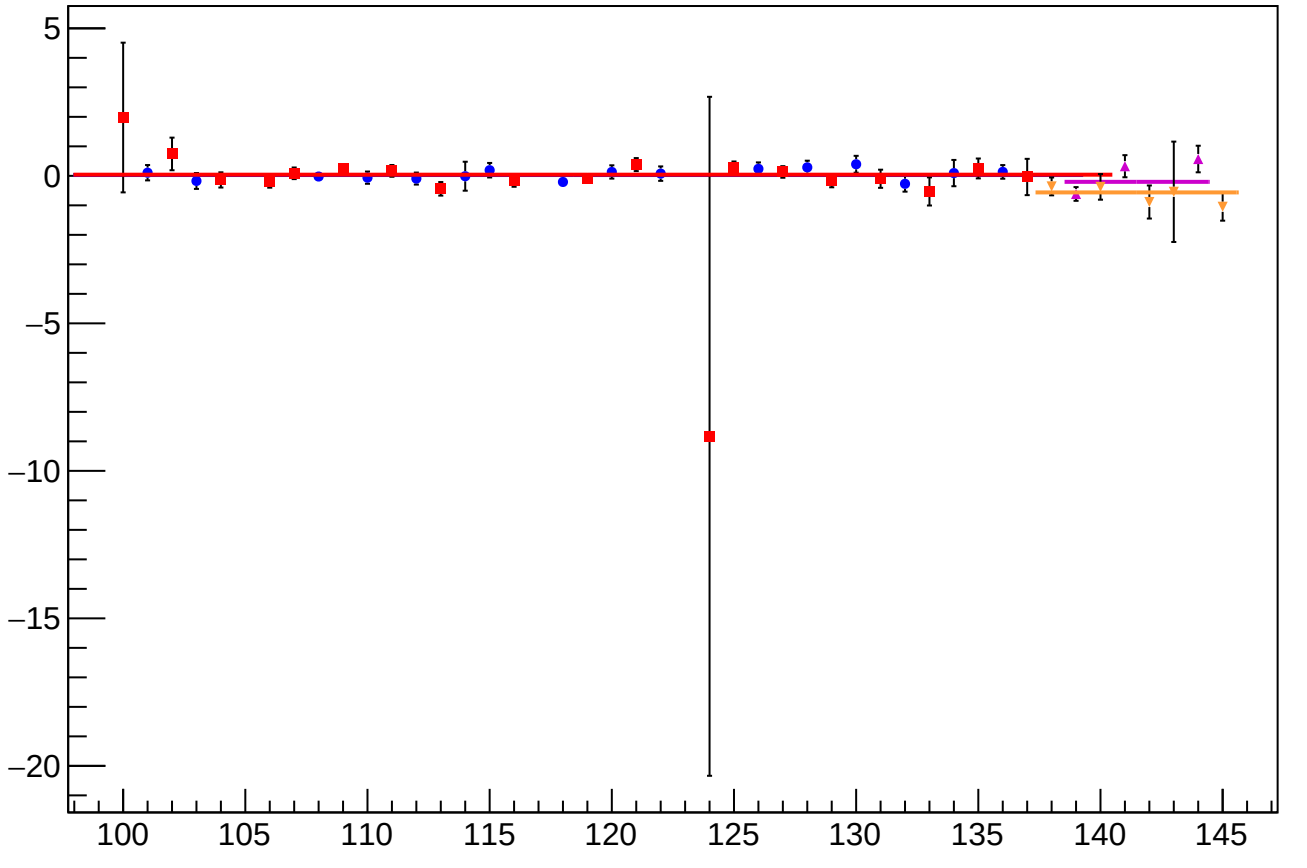
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237675.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 3178360.2/20

All: 0.000+/-0.000 χ^2/NDF: 6082868.6/42

- sign 0.000+/-0.000 χ^2/NDF: 2221738.8/21



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

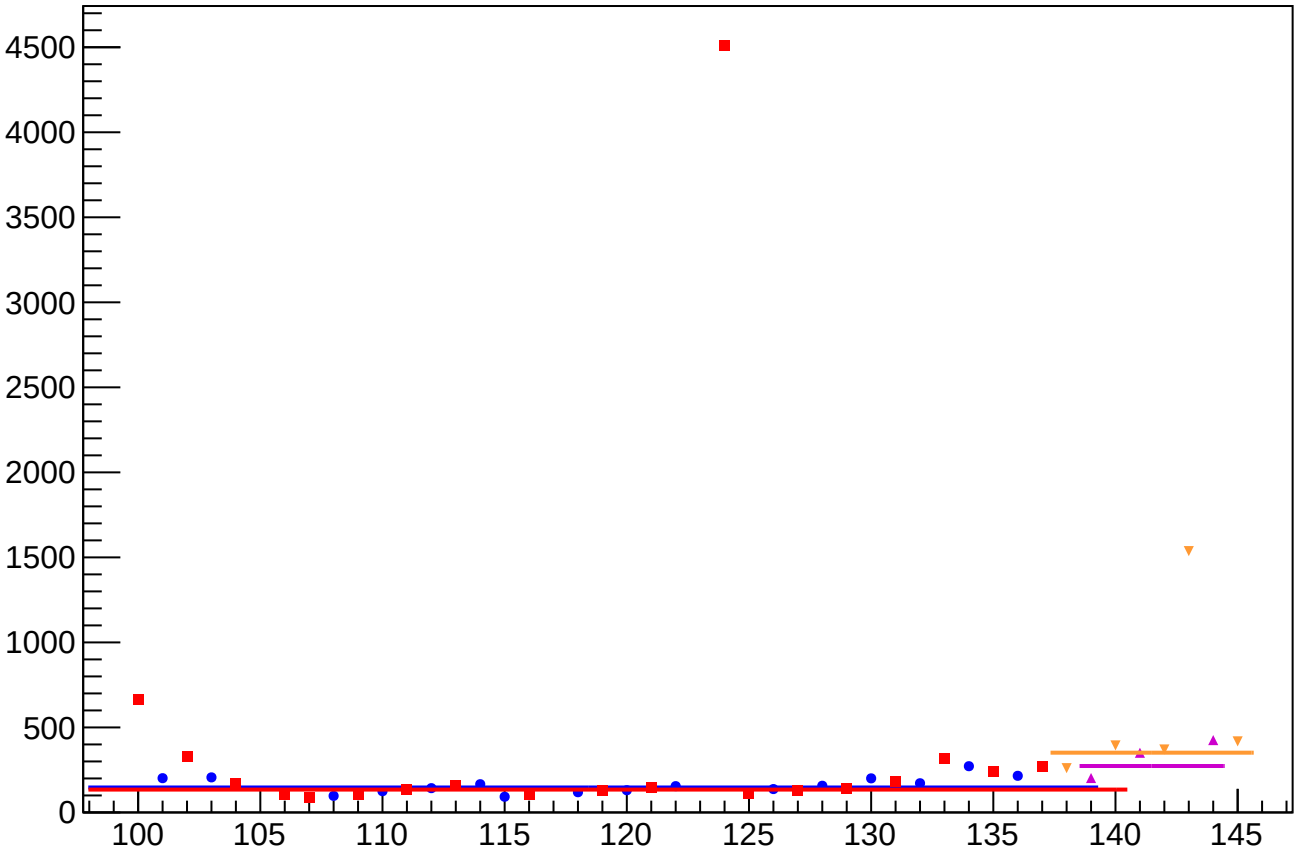
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21



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

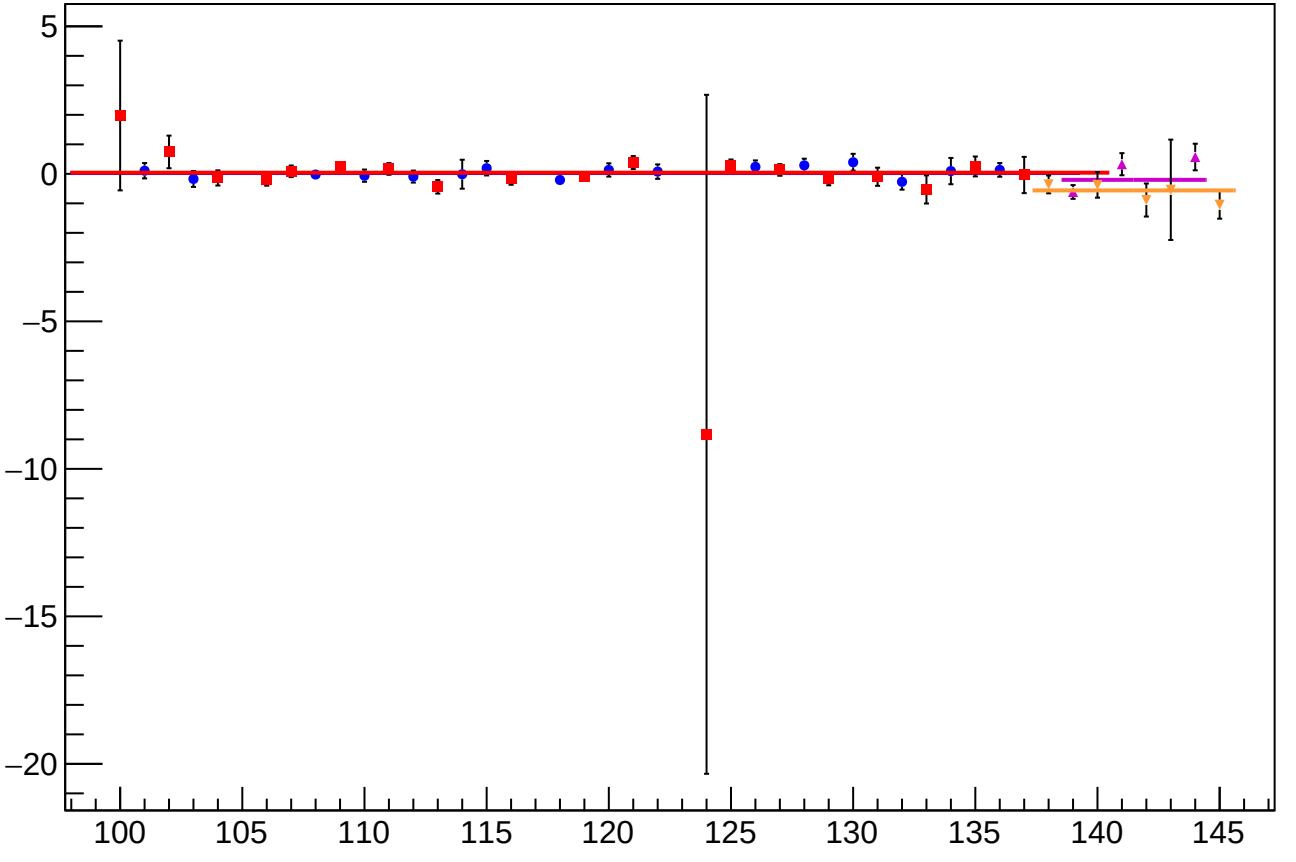
Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 153.680+/-0.027 χ^2/NDF: 7363090.3/42

- sign 146.137+/-0.037 χ^2/NDF: 3180990.3/21

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

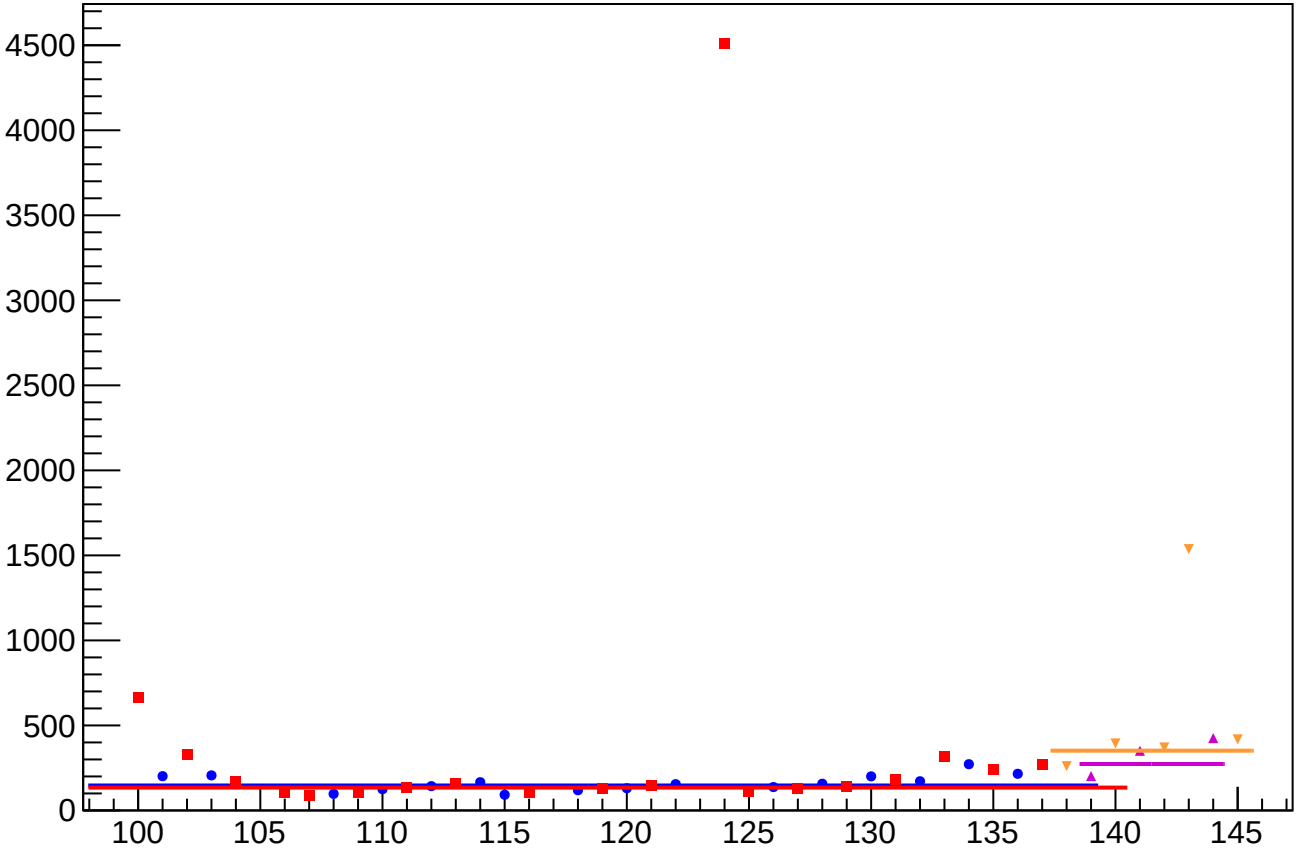
Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_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

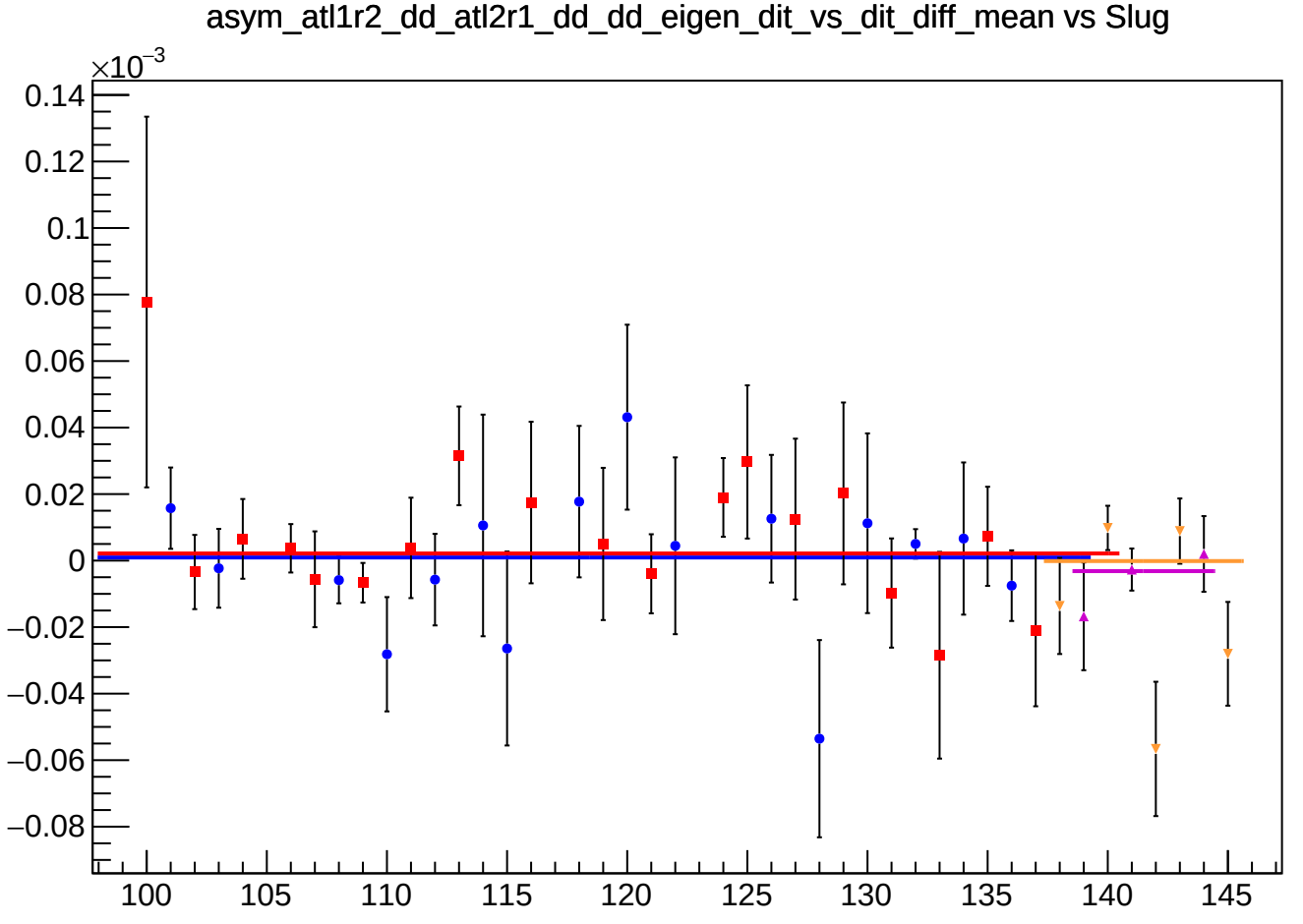
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094314.2/20

All: 153.680+/-0.027 χ^2/NDF: 7363090.3/42

- sign 146.137+/-0.037 χ^2/NDF: 3180990.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/4

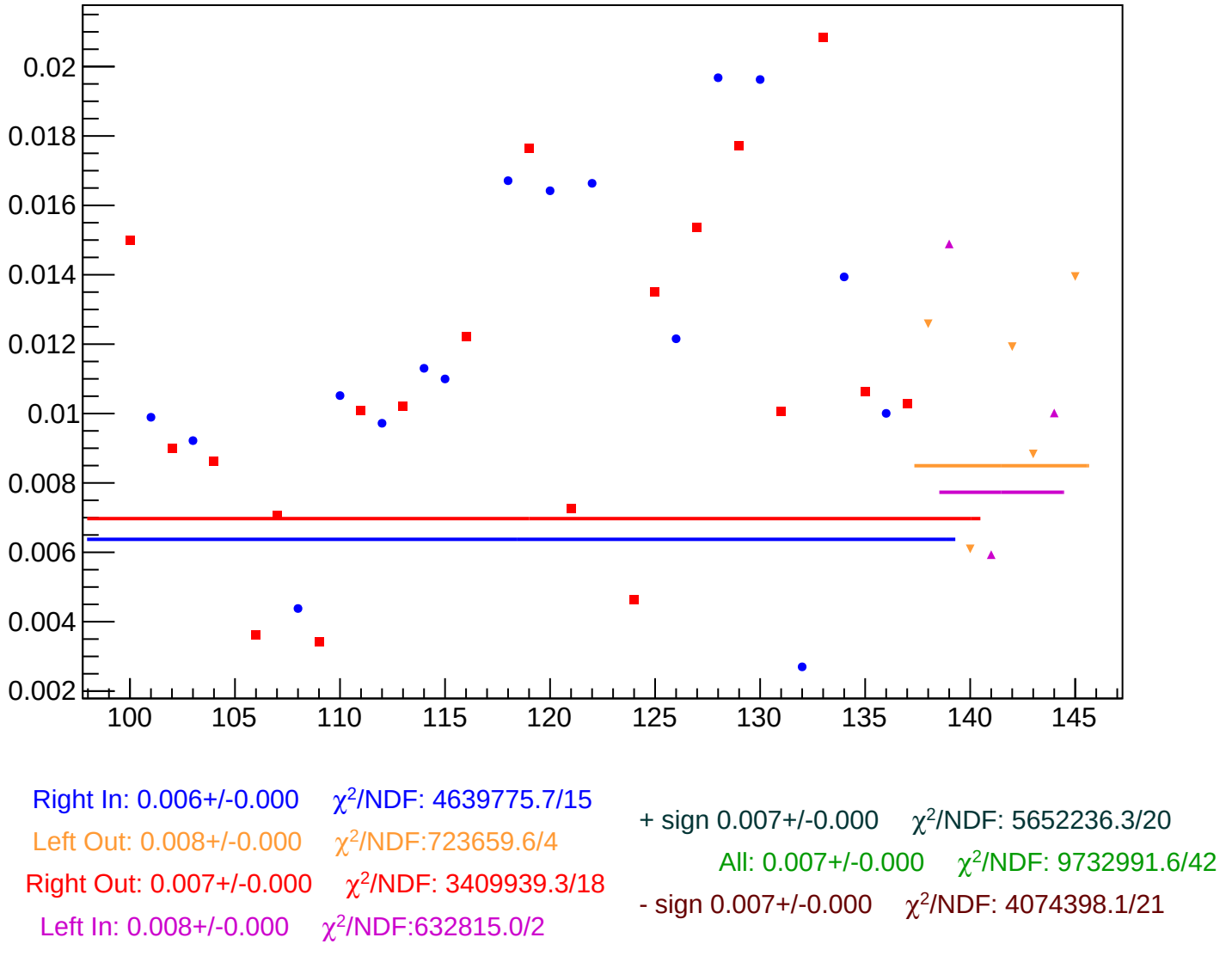
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

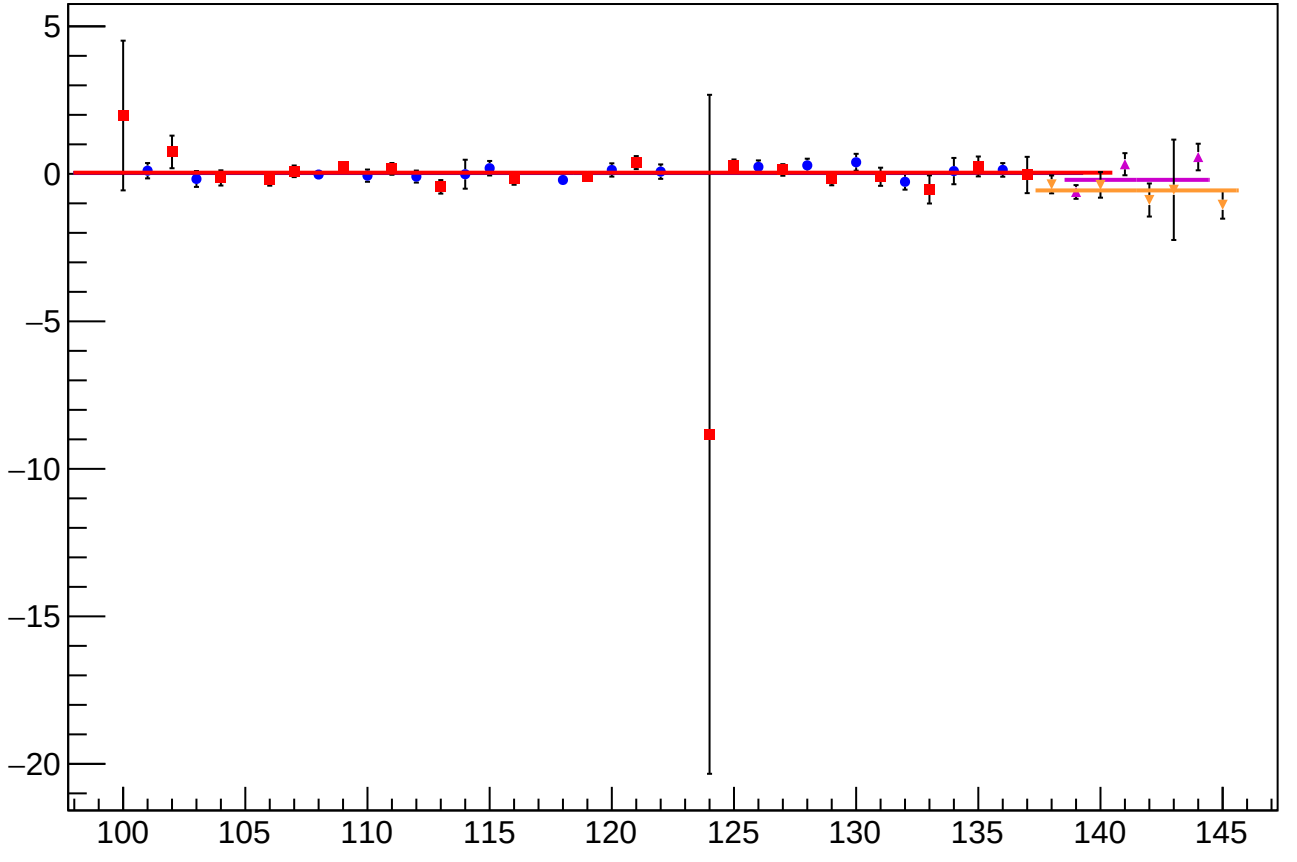
+ sign 0.000+/-0.000 χ^2/NDF: 29.9/20

All: 0.000+/-0.000 χ^2/NDF: 47.6/42

- sign 0.000+/-0.000 χ^2/NDF: 17.7/21


asym_atl1r2_dd_atl2r1_dd_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
105
110
115
120
125
130
135
140
145
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.008+/-0.000 χ²/NDF:723659.6/4
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.008+/-0.000 χ²/NDF:632815.0/2
+ sign 0.007+/-0.000 χ²/NDF: 5652236.3/20
All: 0.007+/-0.000 χ²/NDF: 9732991.6/42
- sign 0.007+/-0.000 χ²/NDF: 4074398.1/21

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

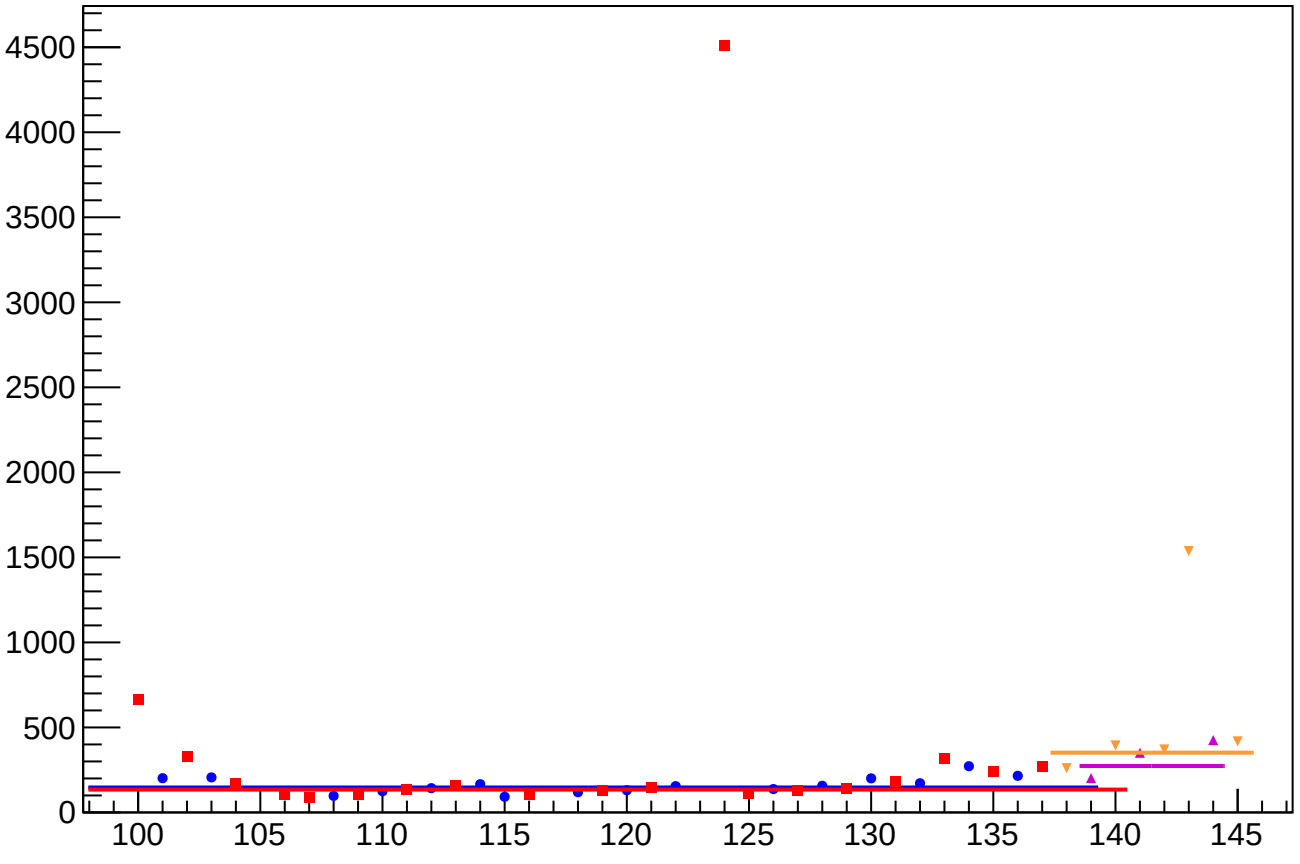
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21



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

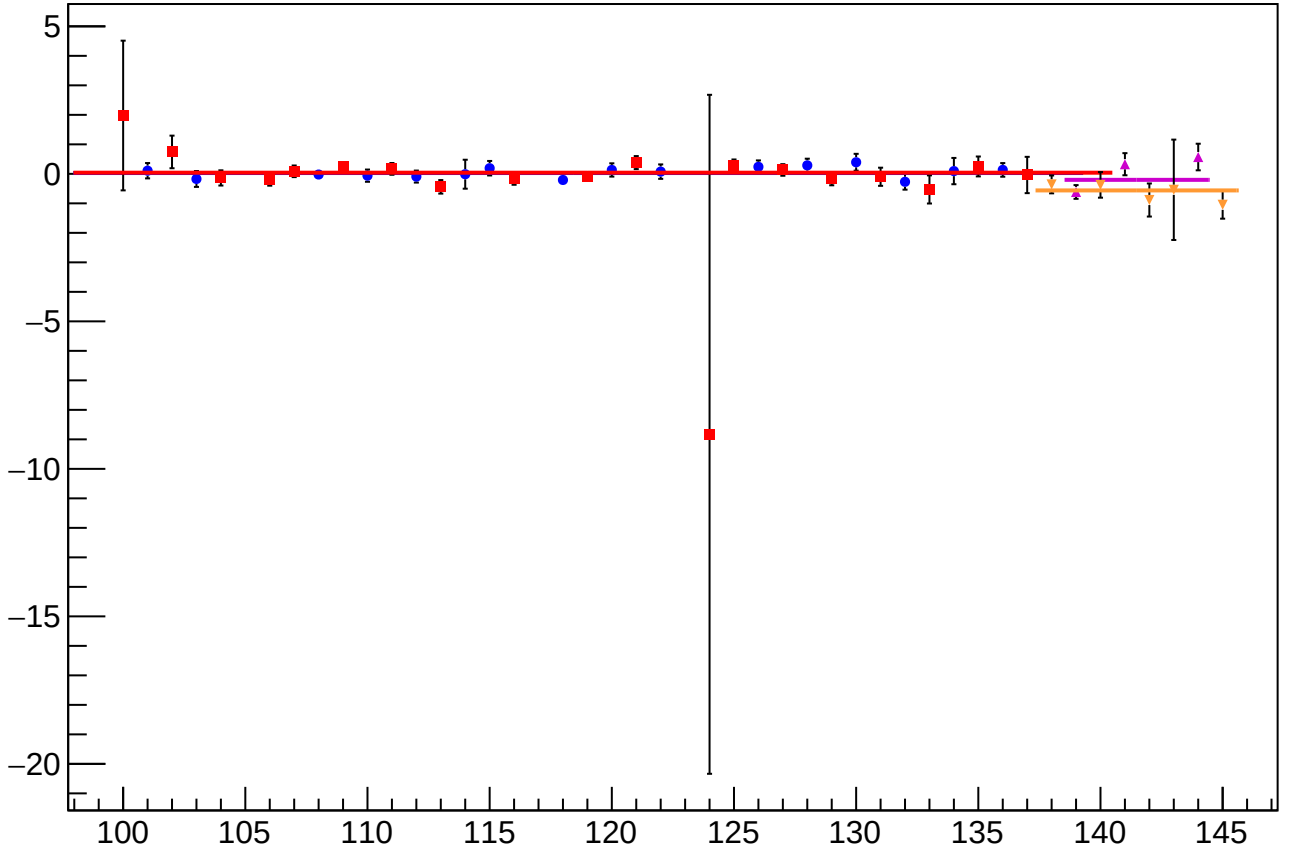
Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 153.681+/-0.027 χ^2/NDF: 7362984.1/42

- sign 146.138+/-0.037 χ^2/NDF: 3180922.1/21

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

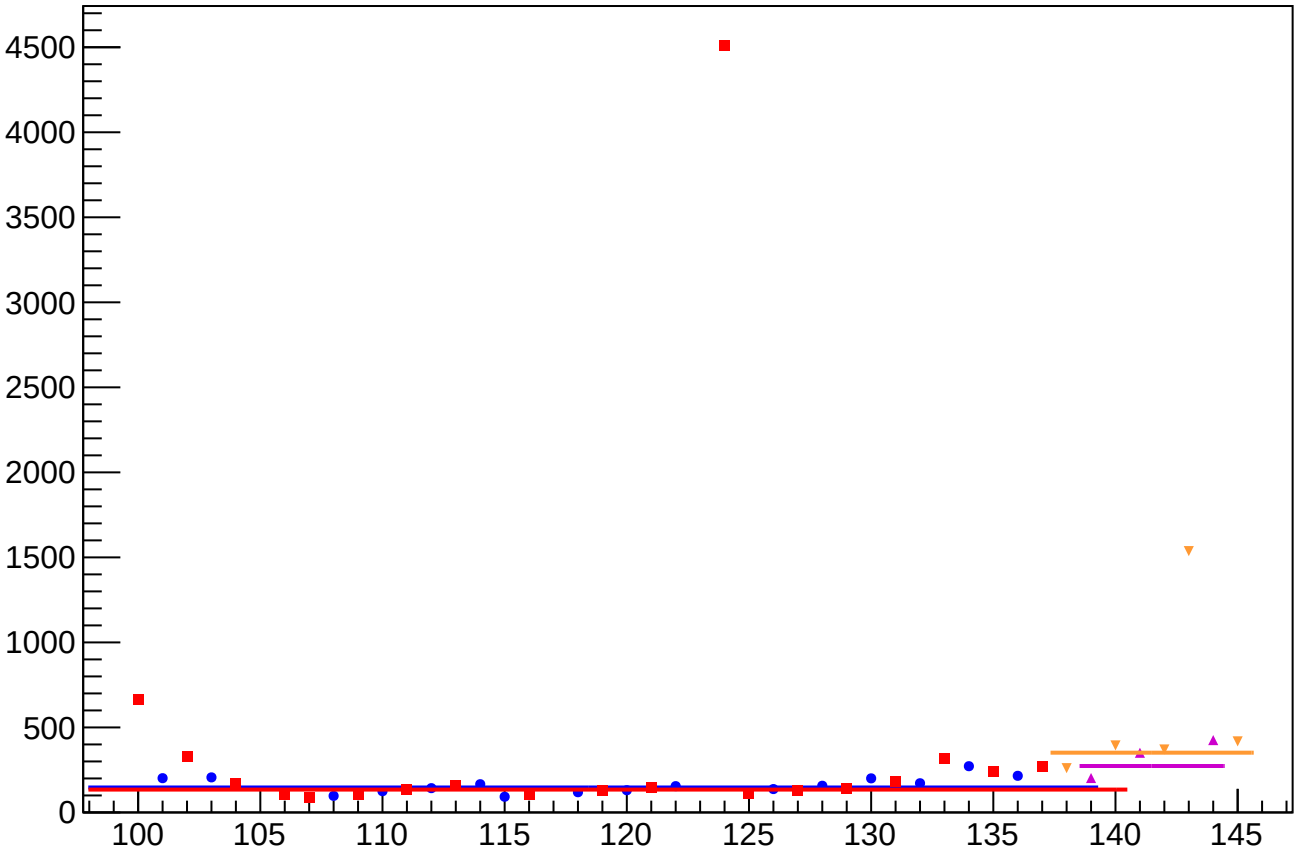
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.203+/-0.181 χ^2/NDF:8.1/2

+ sign -0.016+/-0.056 χ^2/NDF: 19.3/20

All: 0.002+/-0.038 χ^2/NDF: 49.2/42

- sign 0.019+/-0.052 χ^2/NDF: 29.7/21



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 351.549+/-0.144 χ^2/NDF:1213701.1/4

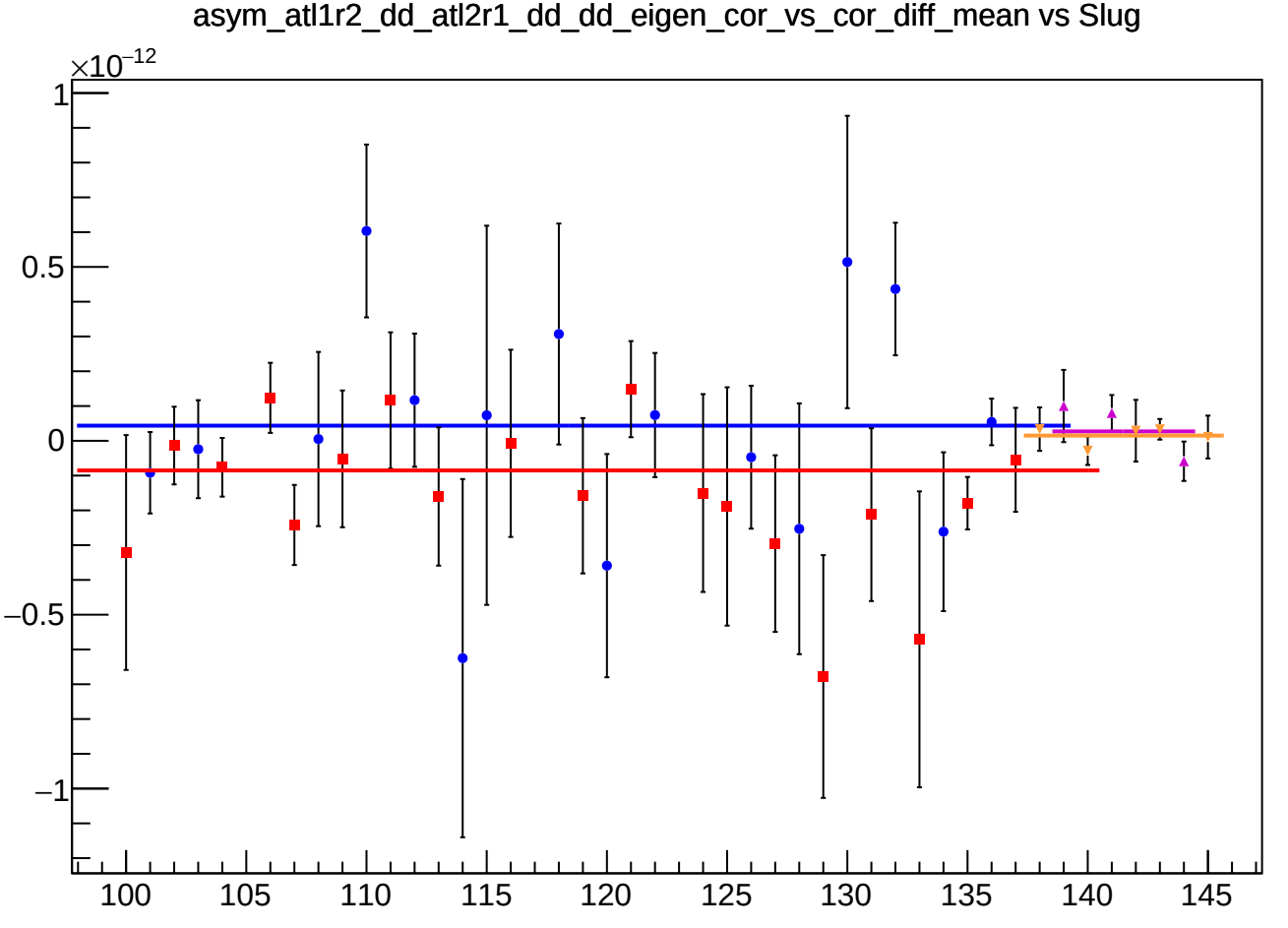
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

+ sign 162.133+/-0.039 χ^2/NDF: 4094292.9/20

All: 153.681+/-0.027 χ^2/NDF: 7362984.1/42

- sign 146.138+/-0.037 χ^2/NDF: 3180922.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

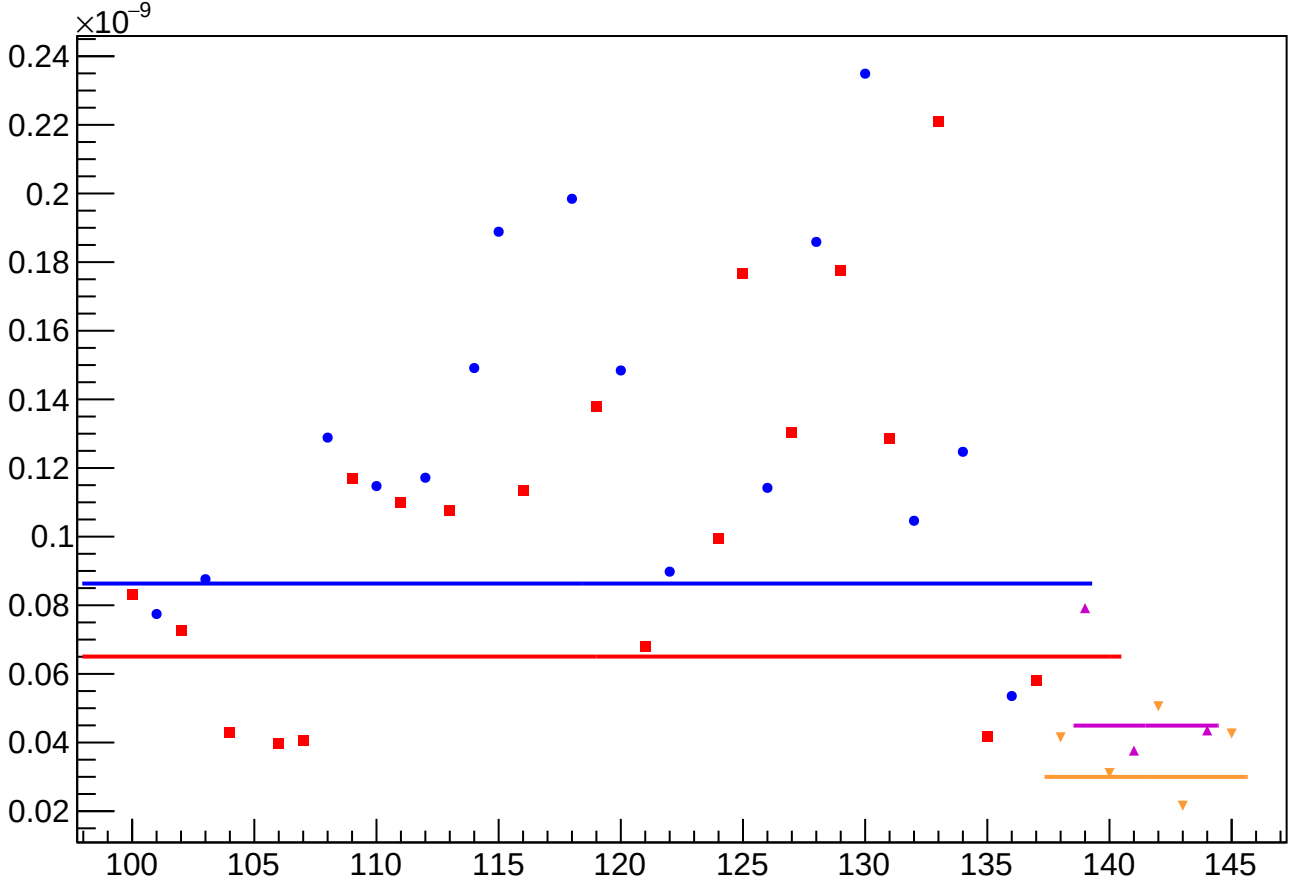
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/20

All: 0.000+/-0.000 χ^2/NDF: 51.0/42

- sign -0.000+/-0.000 χ^2/NDF: 27.2/21



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

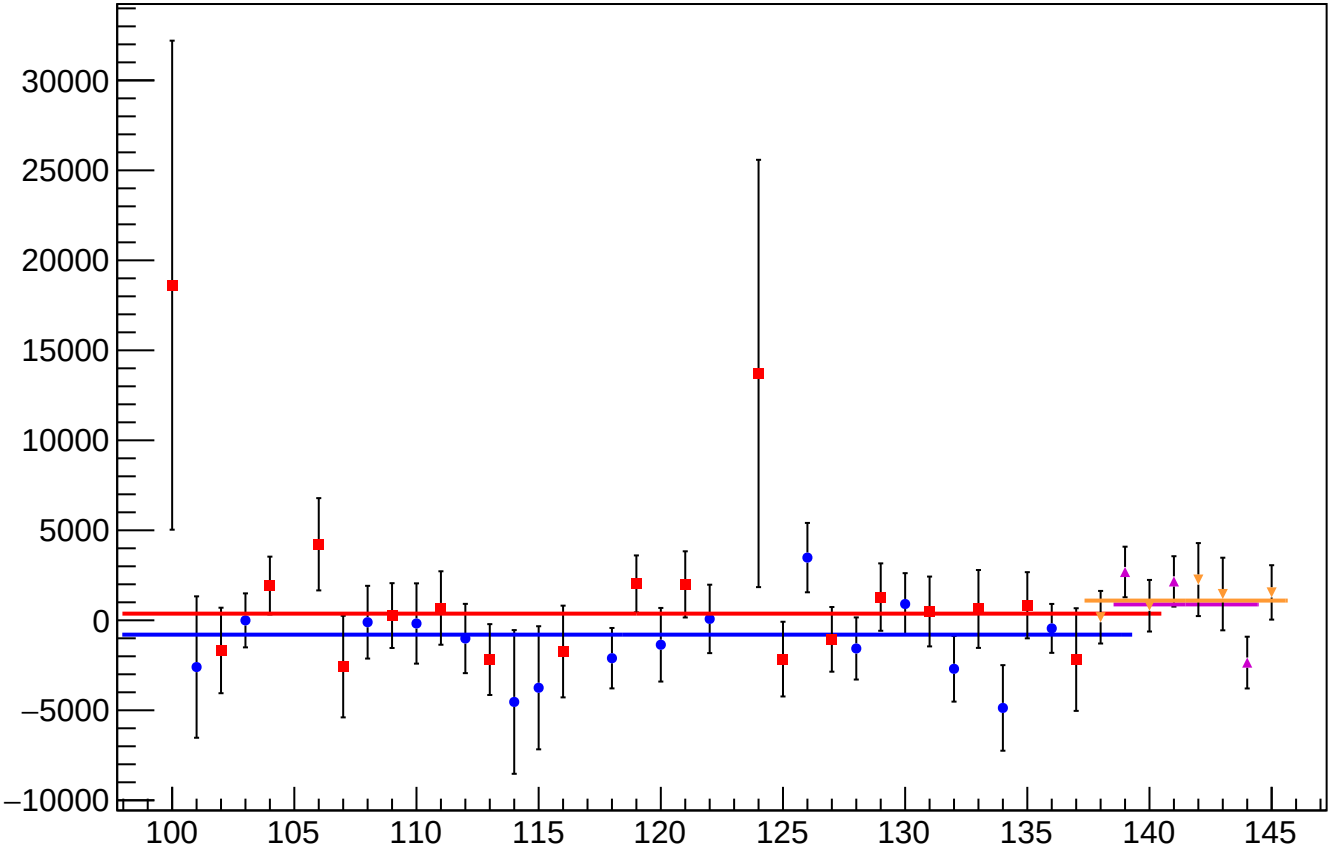
Left In: 0.000+/-0.000 χ^2/NDF:258662.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 4814445.4/20

All: 0.000+/-0.000 χ^2/NDF: 8029172.8/42

- sign 0.000+/-0.000 χ^2/NDF: 2747528.0/21

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

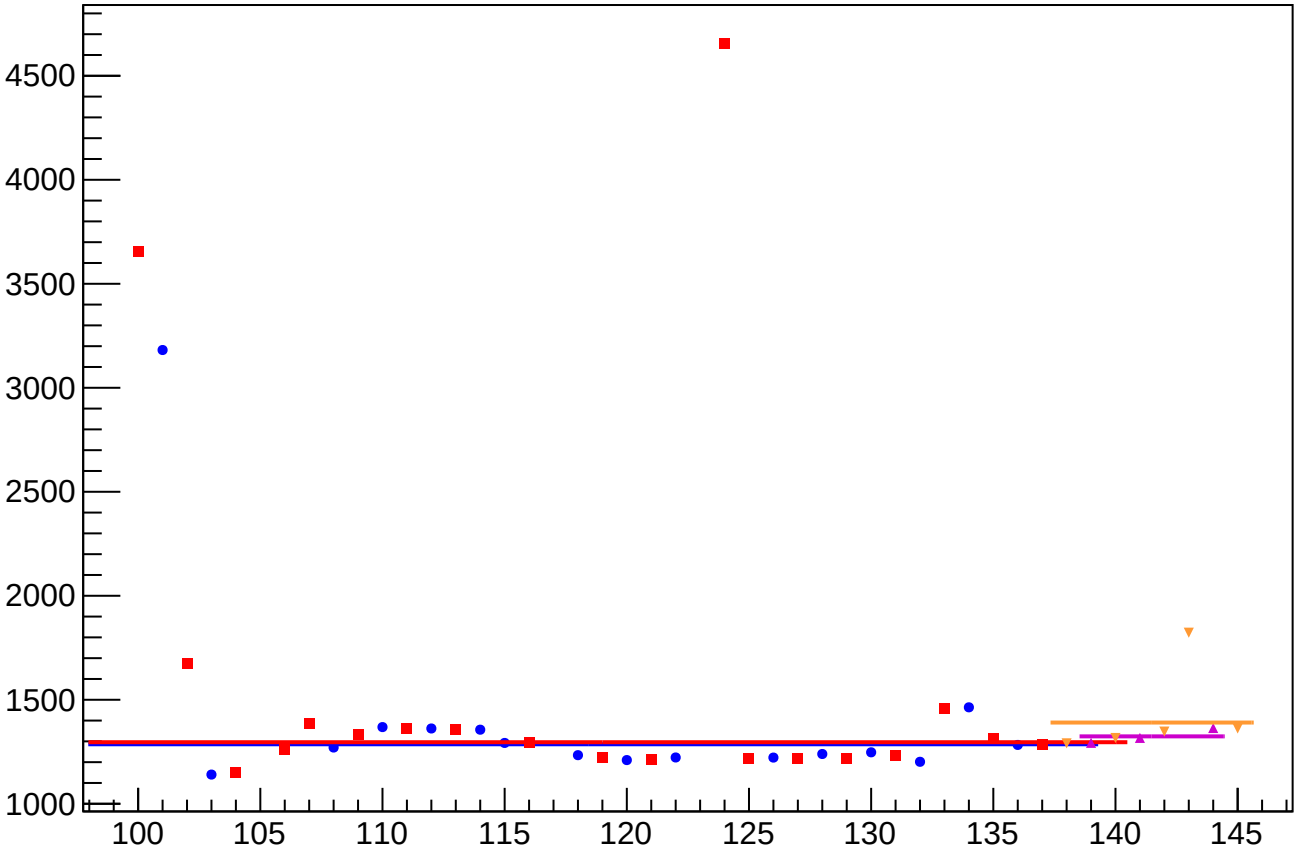
Left In: 883.277+/-816.390 χ^2/NDF:7.5/2

+ sign -212.420+/-405.198 χ^2/NDF: 19.0/20

All: 135.202+/-290.768 χ^2/NDF: 43.9/42

- sign 504.240+/-417.494 χ^2/NDF: 23.4/21

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

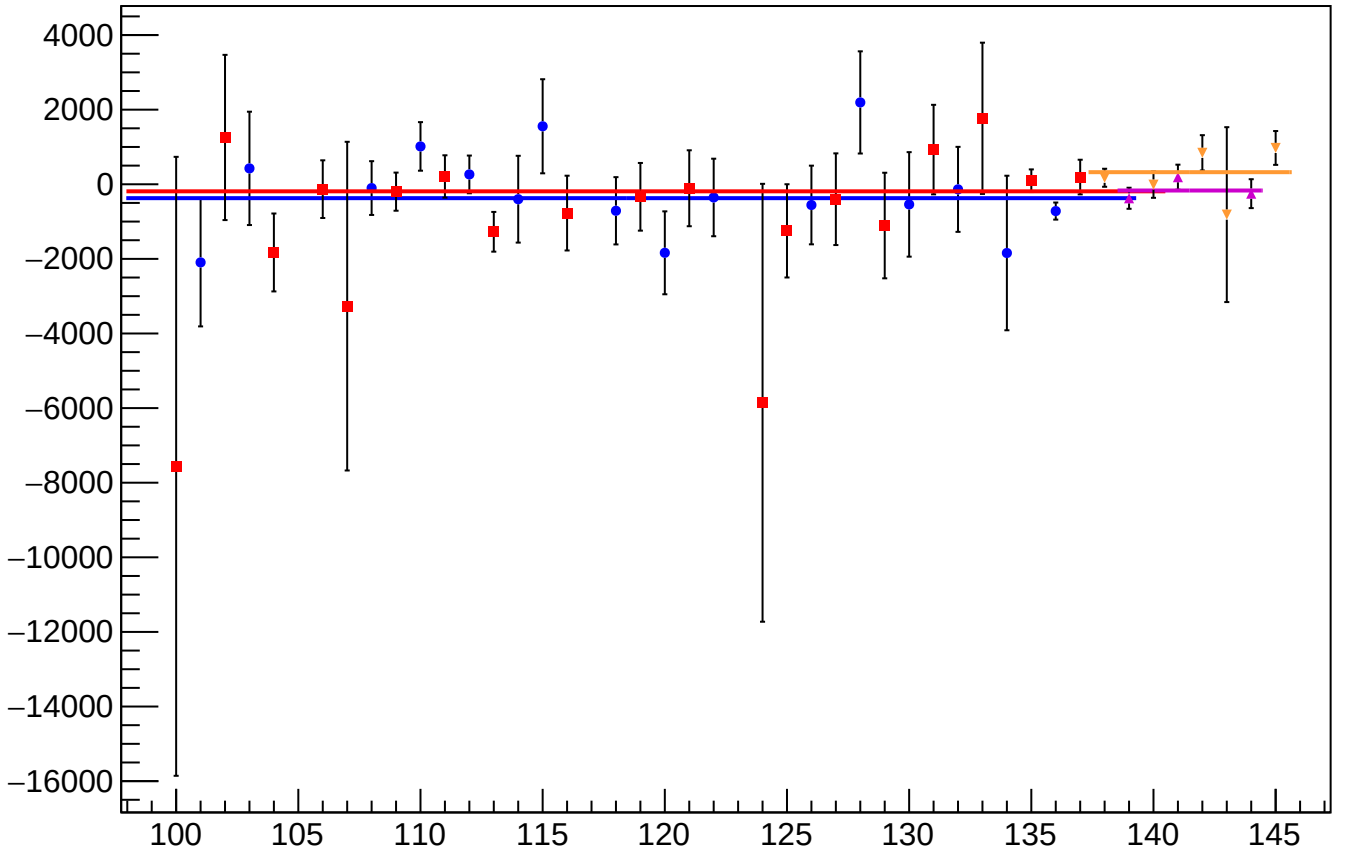
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

+ sign 1318.356+/-0.287 χ^2/NDF: 654574.2/20

All: 1311.050+/-0.206 χ^2/NDF: 988332.0/42

- sign 1303.293+/-0.295 χ^2/NDF: 332417.2/21



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 324.322+/-169.811 χ^2/NDF:4.8/4

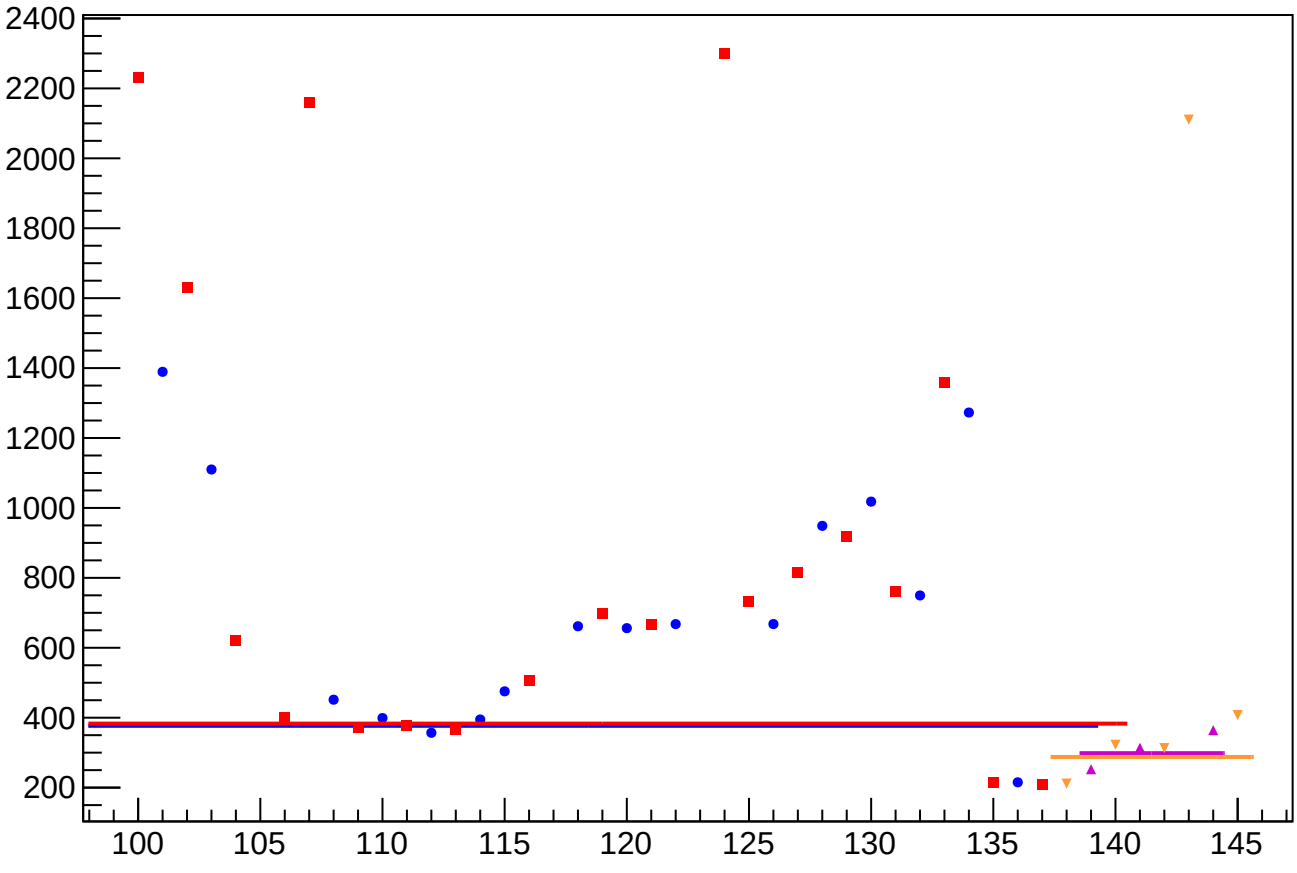
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -167.222+/-188.596 χ^2/NDF:1.7/2

\+ sign -27.314+/-119.502 χ^2/NDF: 31.4/20

All: -99.197+/-86.739 χ^2/NDF: 48.6/42

\- sign -179.234+/-126.098 χ^2/NDF: 16.4/21



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

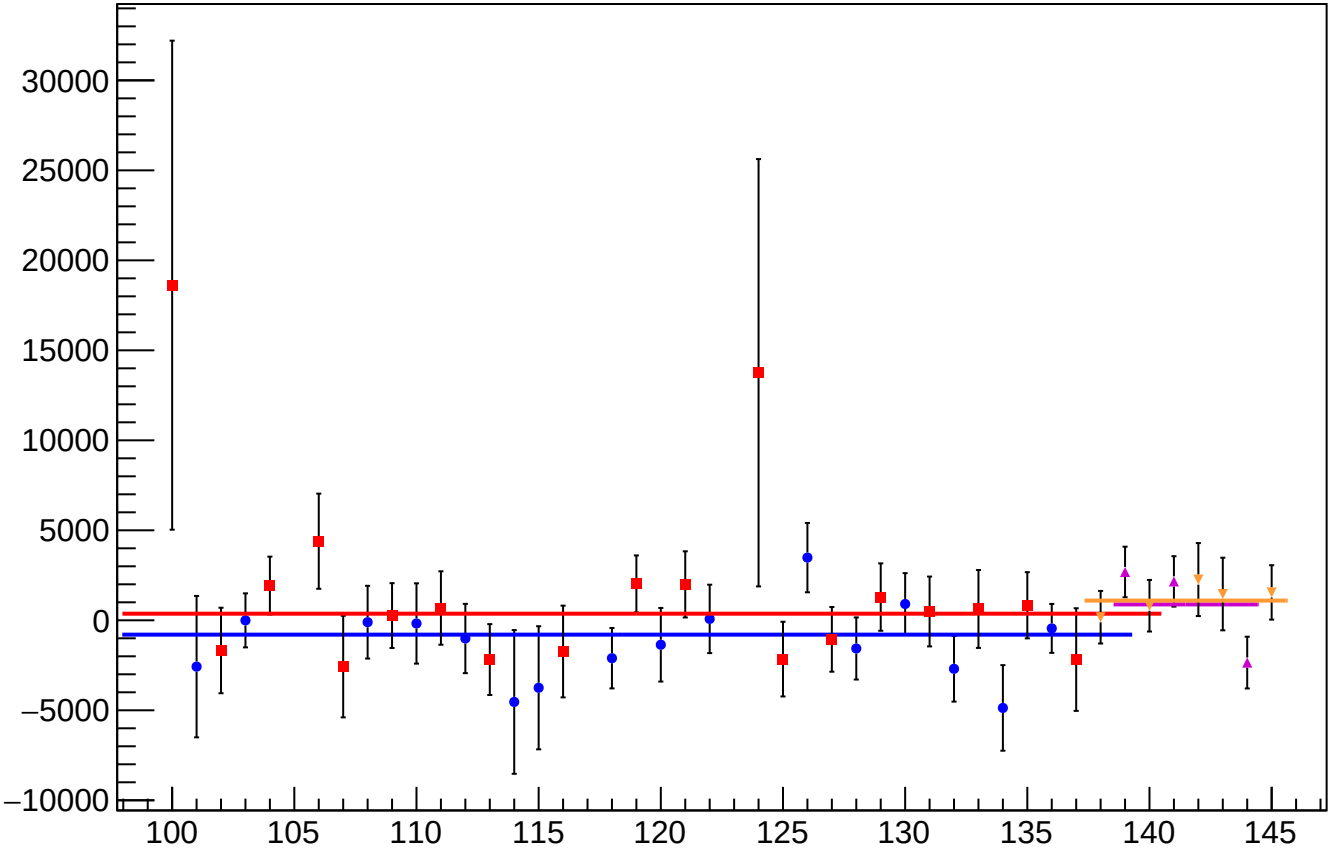
Left In: 298.554+/-0.133 χ^2/NDF:114926.9/2

+ sign 332.736+/-0.085 χ^2/NDF: 6041838.3/20

All: 338.676+/-0.061 χ^2/NDF: 10443440.0/42

- sign 345.290+/-0.089 χ^2/NDF: 4391157.5/21

cor_asym_atl1r2_dd_atl2r1_dd_avg_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

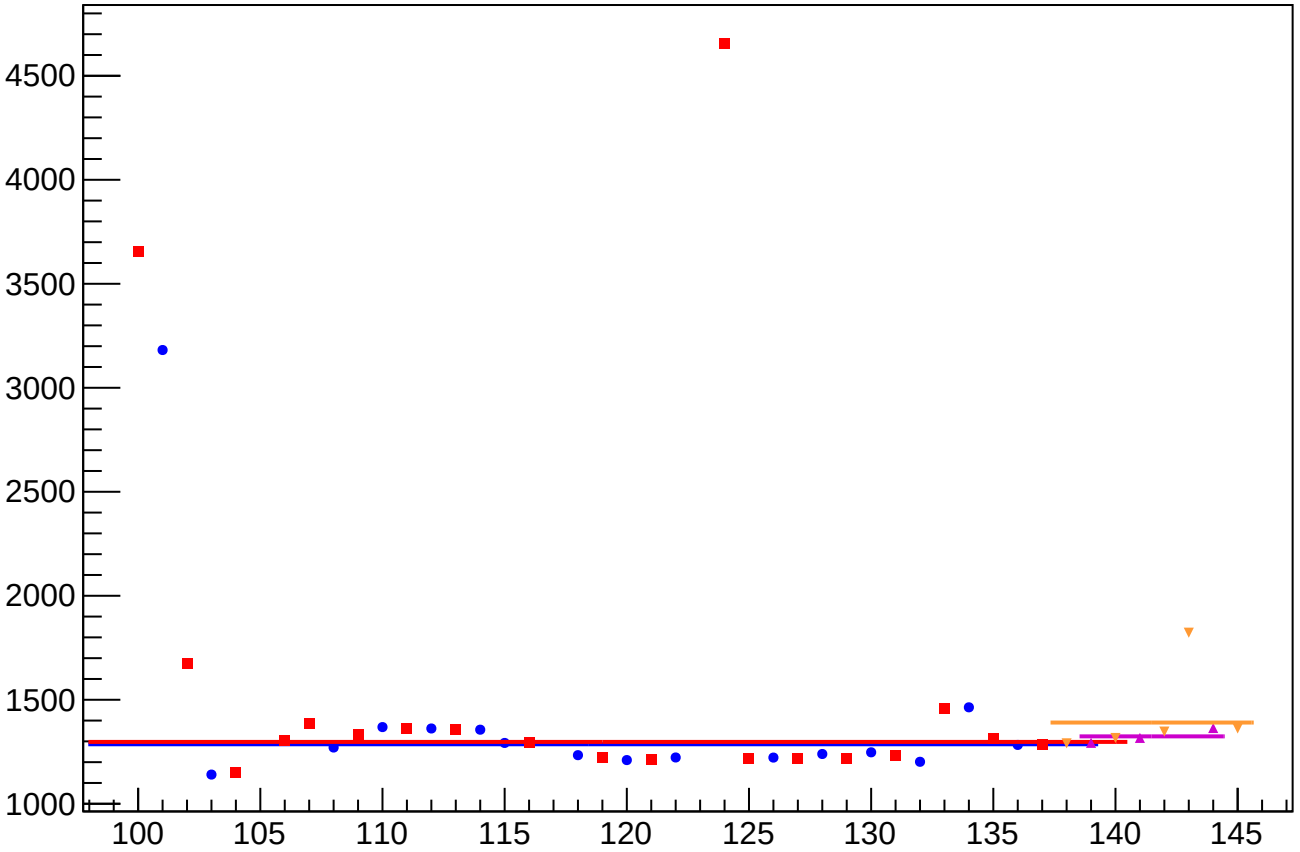
Left In: 883.358+/-816.390 χ^2/NDF:7.5/2

+ sign -212.131+/-405.198 χ^2/NDF: 19.0/20

All: 134.274+/-290.880 χ^2/NDF: 44.0/42

- sign 502.604+/-417.825 χ^2/NDF: 23.5/21

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

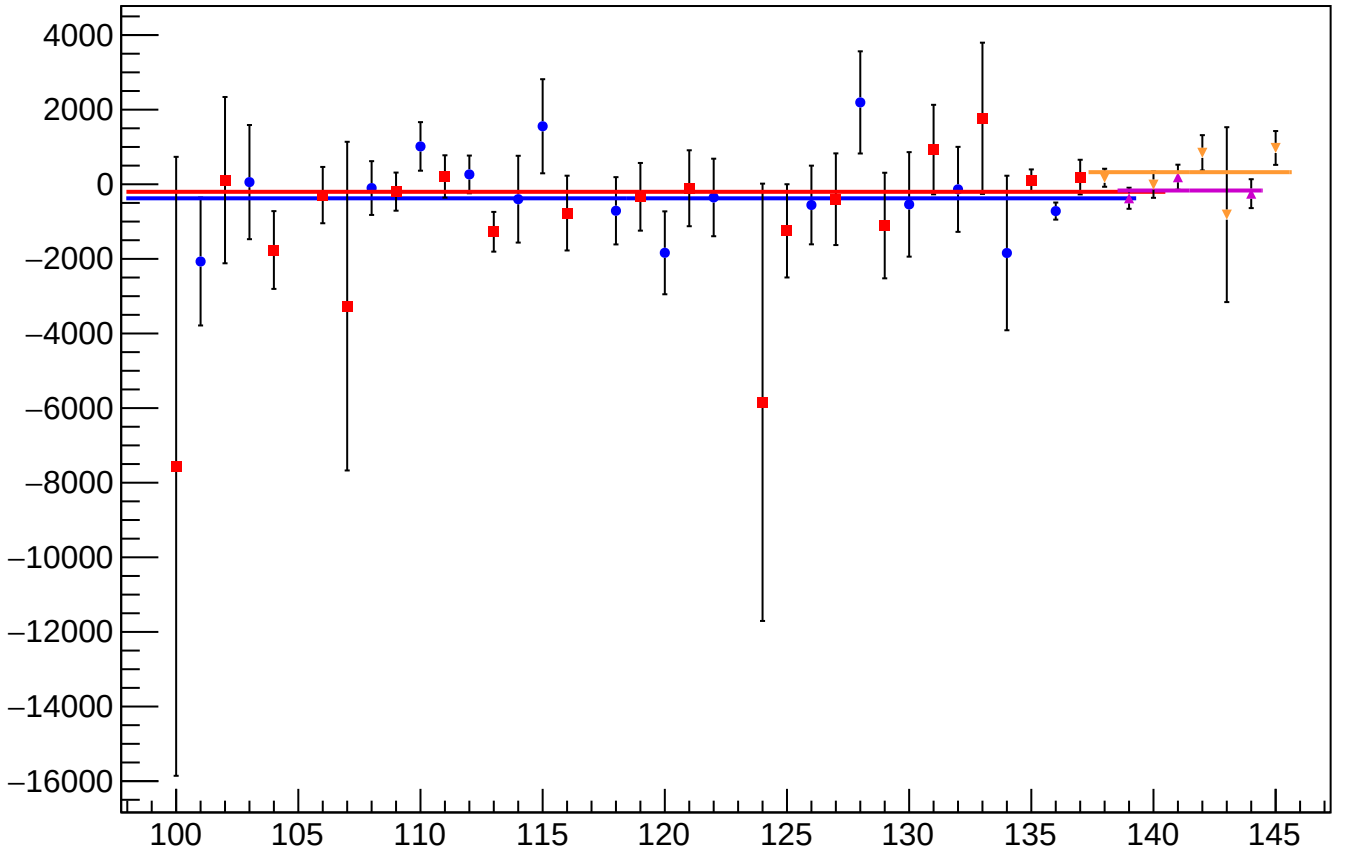
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

+ sign 1318.356+/-0.287 χ^2/NDF: 654575.7/20

All: 1311.580+/-0.206 χ^2/NDF: 987641.6/42

- sign 1304.376+/-0.295 χ^2/NDF: 331912.0/21



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 324.380+/-169.817 χ^2/NDF:4.8/4

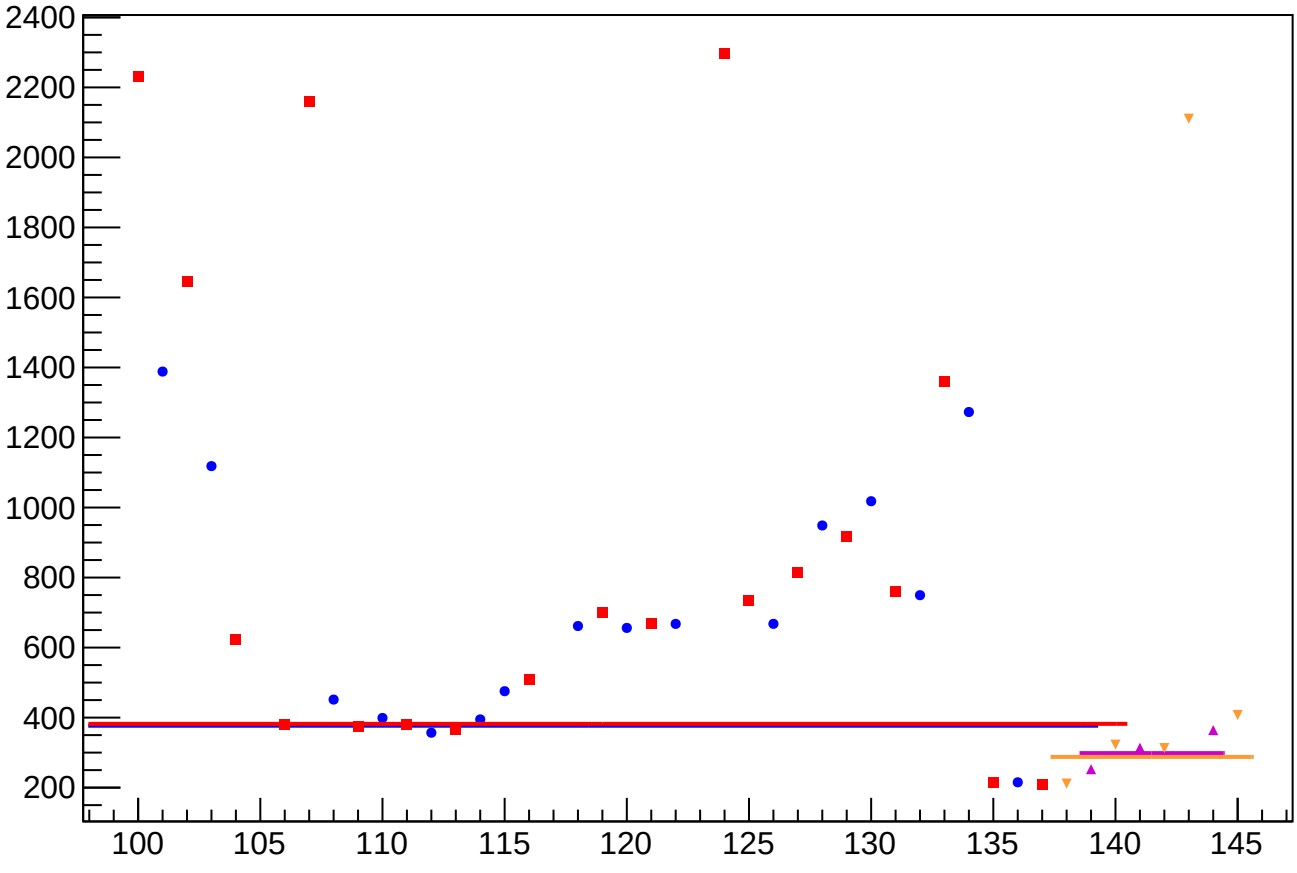
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -167.310+/-188.596 χ^2/NDF:1.7/2

+ sign -29.502+/-119.511 χ^2/NDF: 31.3/20

All: -103.888+/-86.716 χ^2/NDF: 47.9/42

- sign -186.592+/-126.016 χ^2/NDF: 15.8/21



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 287.743+/-0.120 χ^2/NDF:1573334.3/4

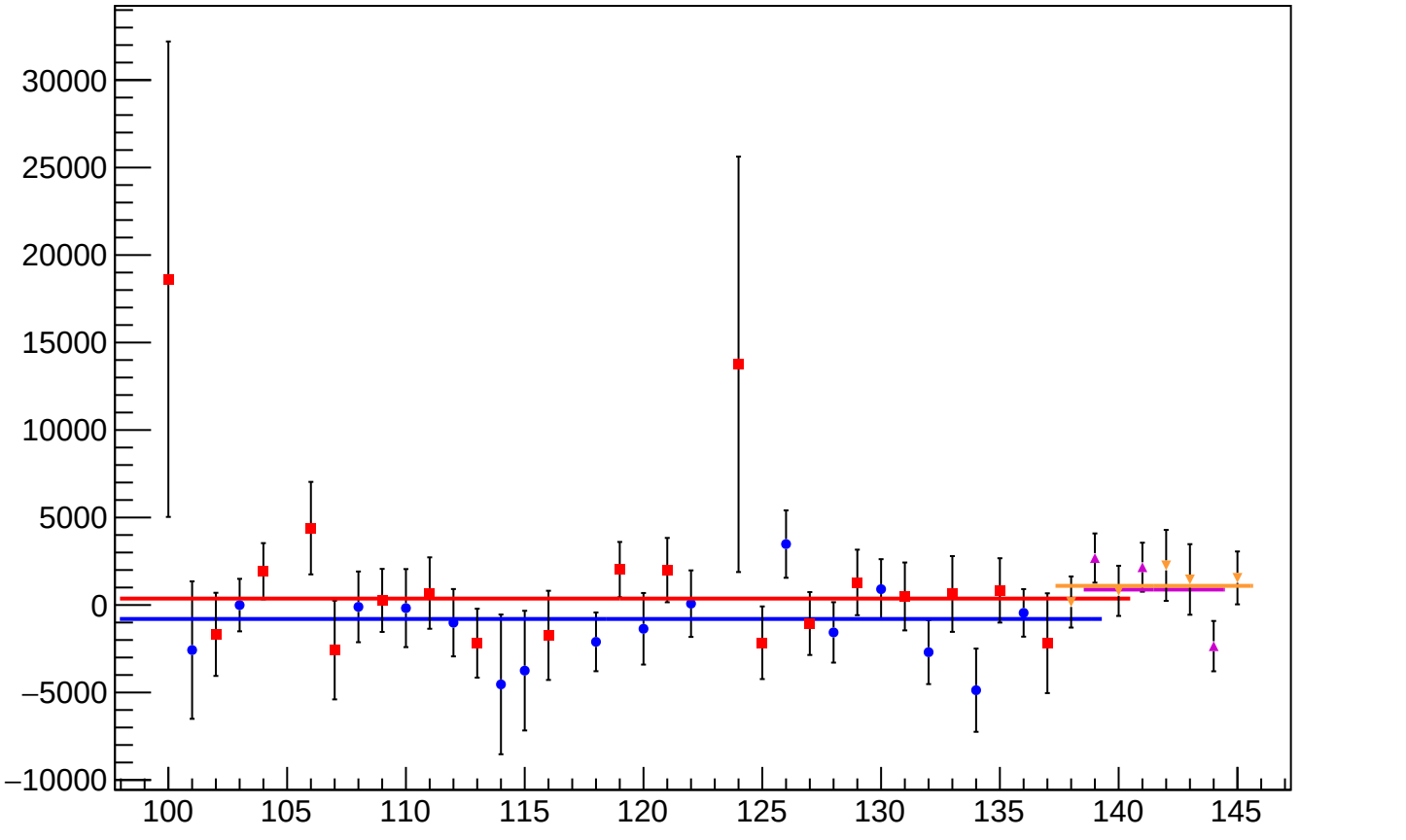
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 298.554+/-0.133 χ^2/NDF:114906.5/2

+ sign 332.734+/-0.085 χ^2/NDF: 6044801.3/20

All: 338.457+/-0.061 χ^2/NDF: 10446430.6/42

- sign 344.819+/-0.089 χ^2/NDF: 4391945.1/21



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

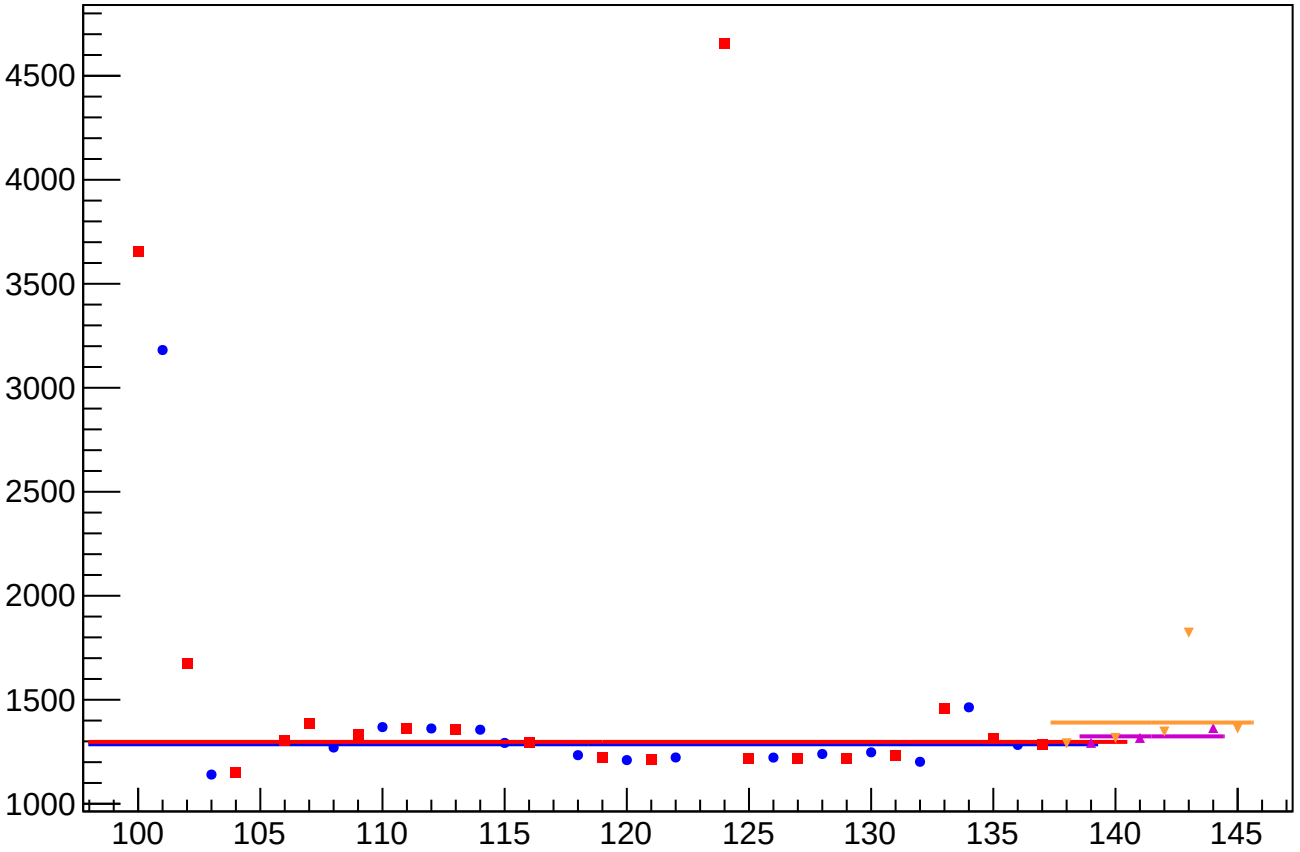
Left In: 883.358+/-816.390 χ^2/NDF:7.5/2

+ sign -212.131+/-405.198 χ^2/NDF: 19.0/20

All: 134.274+/-290.880 χ^2/NDF: 44.0/42

- sign 502.604+/-417.825 χ^2/NDF: 23.5/21

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

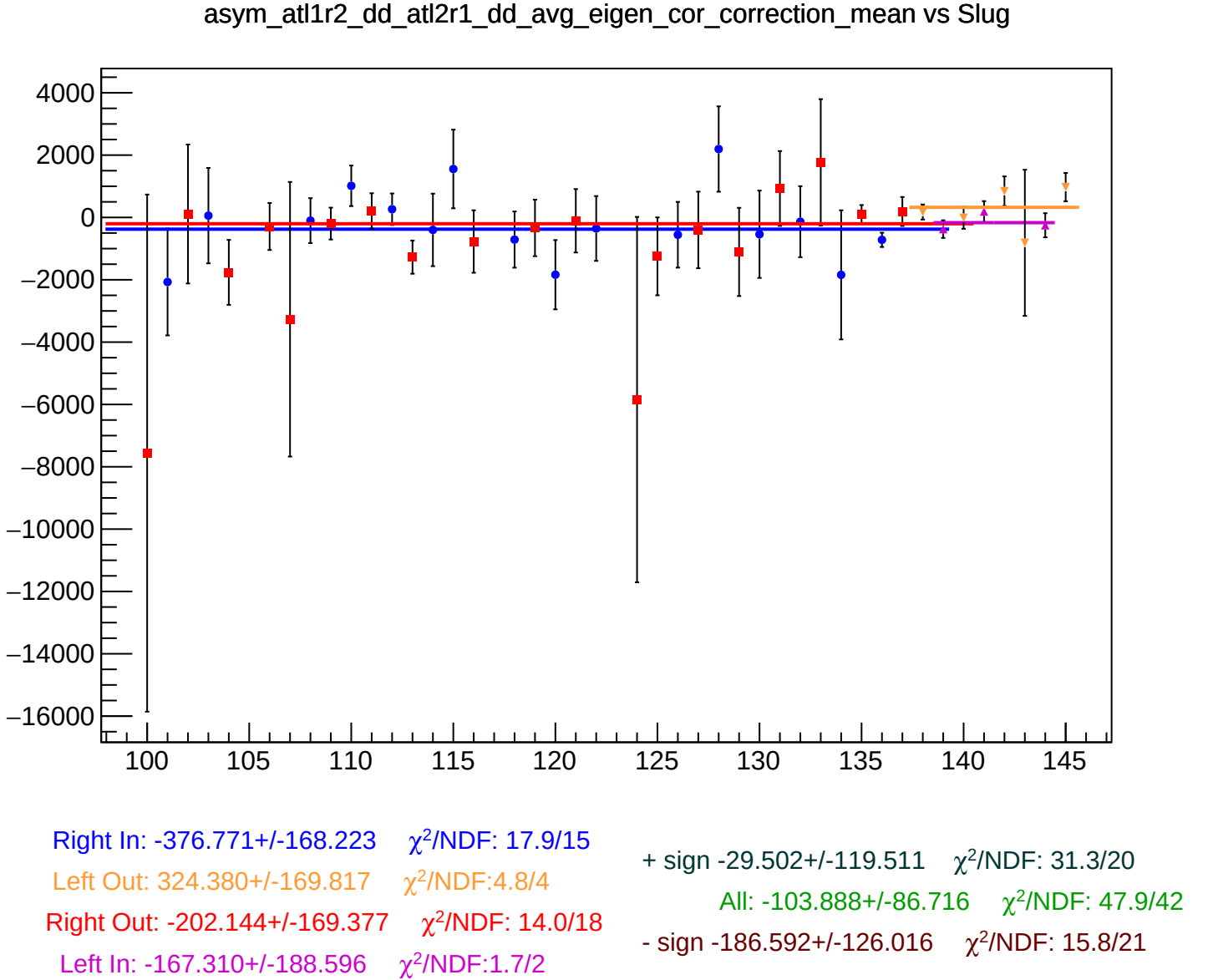
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

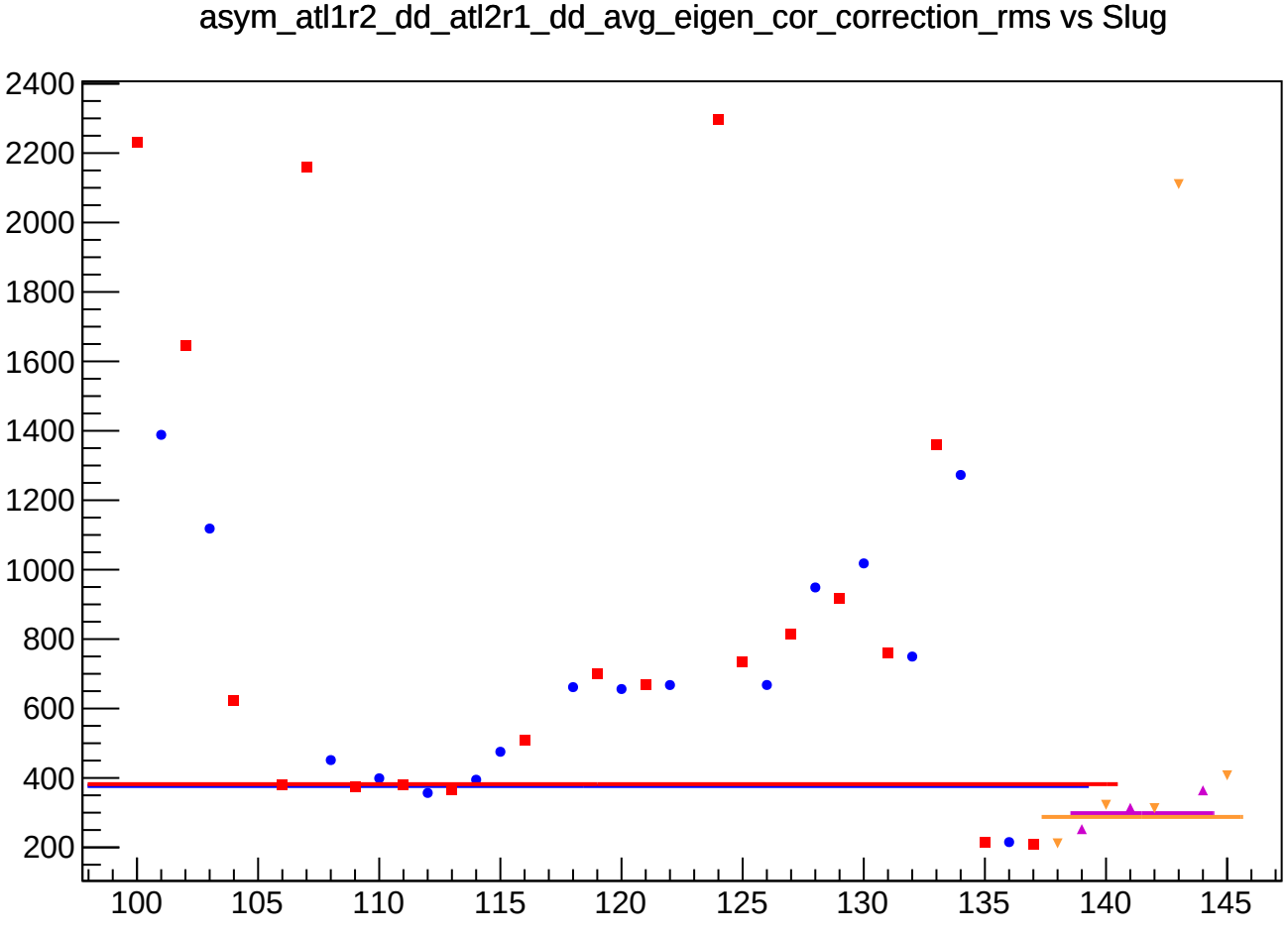
Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

+ sign 1318.356+/-0.287 χ^2/NDF: 654575.7/20

All: 1311.580+/-0.206 χ^2/NDF: 987641.6/42

- sign 1304.376+/-0.295 χ^2/NDF: 331912.0/21


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
105
110
115
120
125
130
135
140
145
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: 324.380+/-169.817 χ²/NDF:4.8/4
Right Out: -202.144+/-169.377 χ²/NDF: 14.0/18
Left In: -167.310+/-188.596 χ²/NDF:1.7/2
+ sign -29.502+/-119.511 χ²/NDF: 31.3/20
All: -103.888+/-86.716 χ²/NDF: 47.9/42
- sign -186.592+/-126.016 χ²/NDF: 15.8/21



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

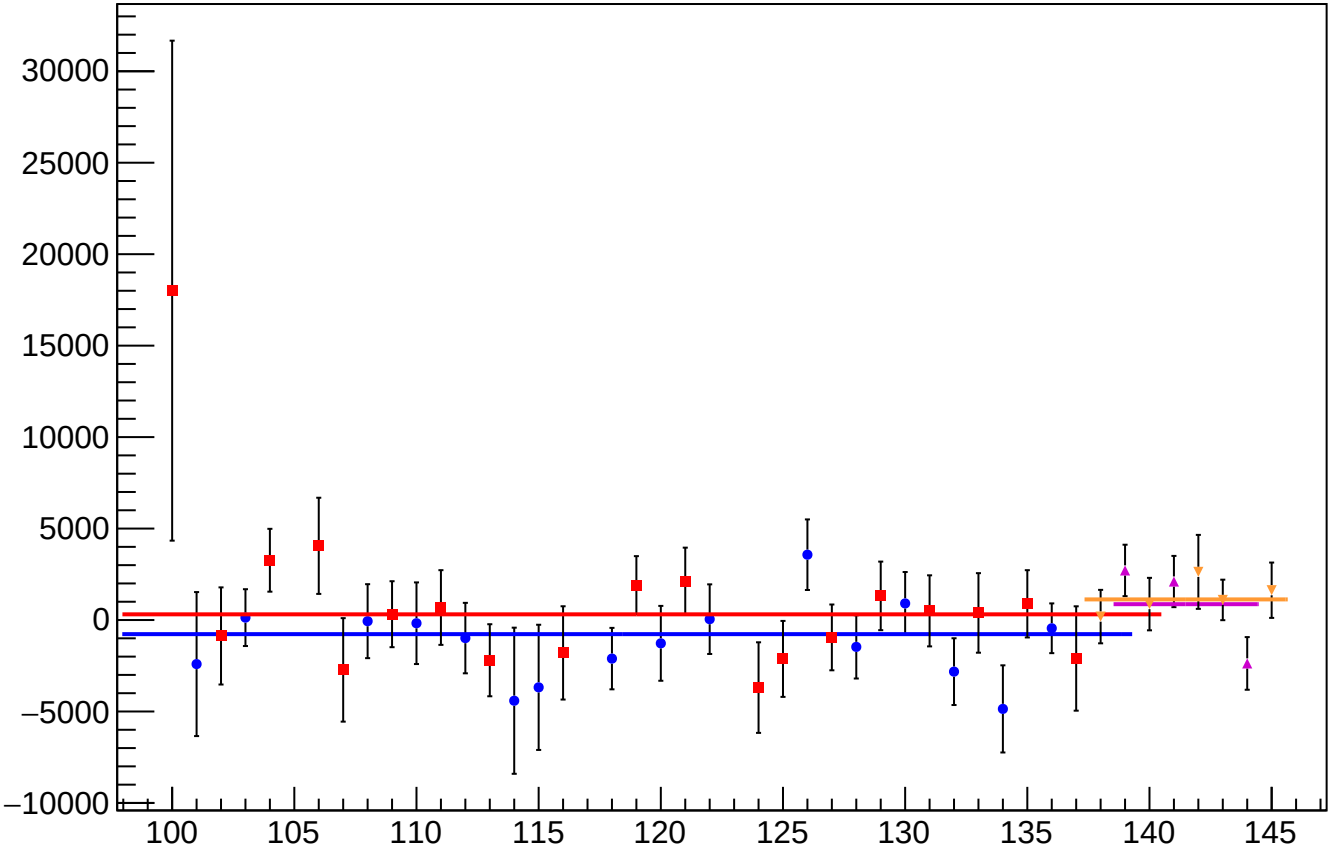
Left In: 298.554+/-0.133 χ^2/NDF:114906.5/2

+ sign 332.734+/-0.085 χ^2/NDF: 6044801.3/20

All: 338.457+/-0.061 χ^2/NDF: 10446430.6/42

- sign 344.819+/-0.089 χ^2/NDF: 4391945.1/21

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

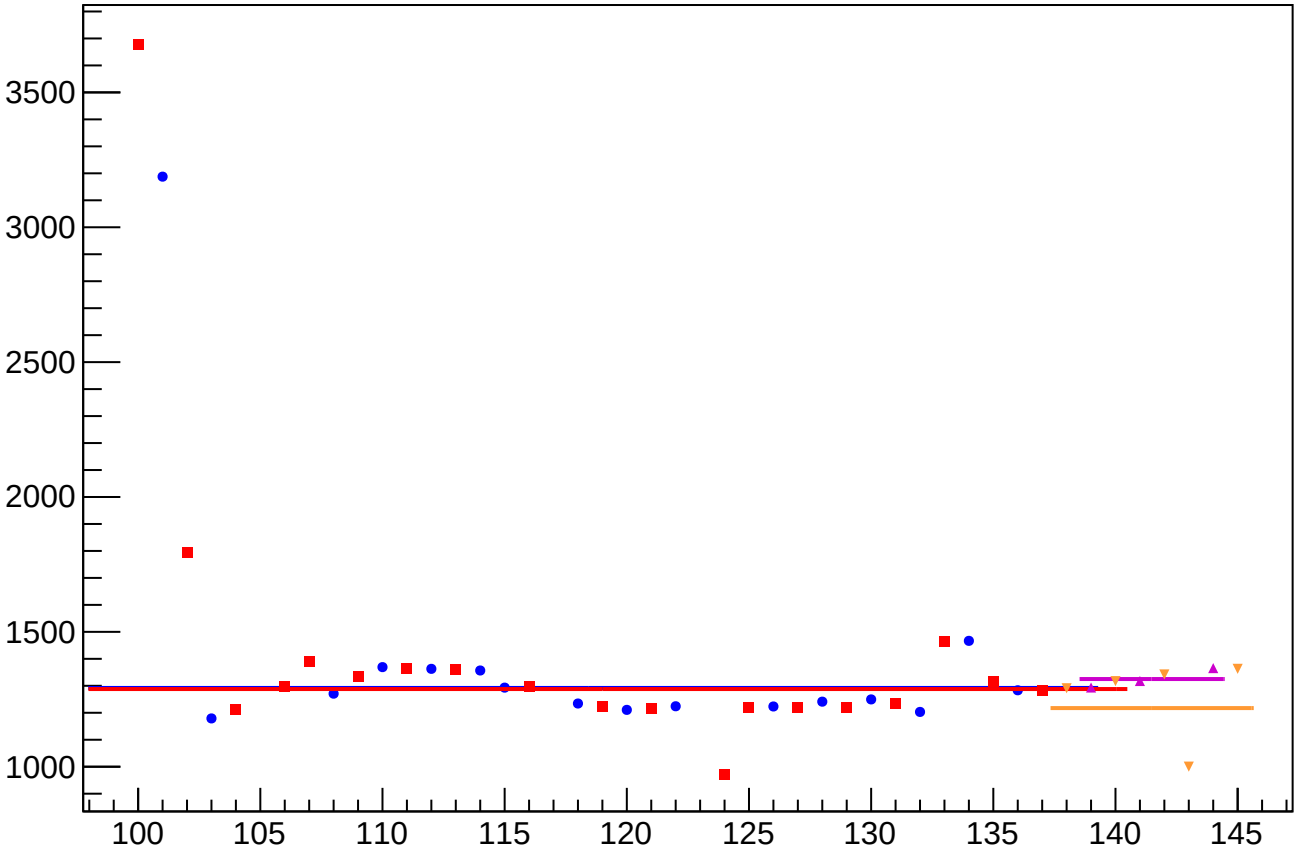
Left In: 866.349+/-817.034 χ^2/NDF:7.6/2

+ sign -68.666+/-388.558 χ^2/NDF: 20.3/20

All: 175.593+/-283.816 χ^2/NDF: 47.0/42

- sign 454.971+/-415.553 χ^2/NDF: 25.8/21

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

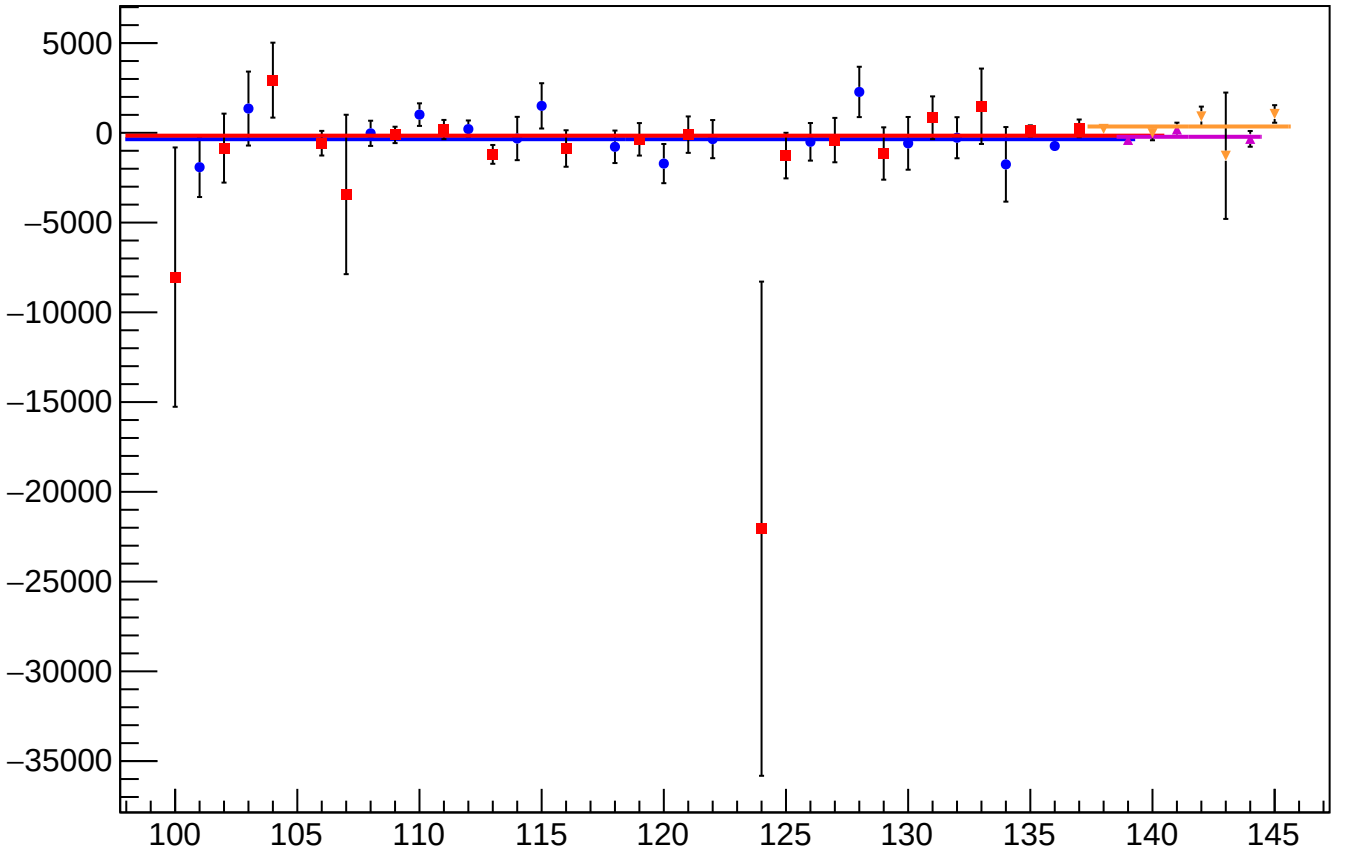
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1325.081+/-0.578 χ^2/NDF:2633.4/2

+ sign 1264.402+/-0.275 χ^2/NDF: 644389.4/20

All: 1279.880+/-0.201 χ^2/NDF: 866091.0/42

- sign 1297.584+/-0.294 χ^2/NDF: 214898.0/21



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 352.458+/-179.843 χ^2/NDF:4.5/4

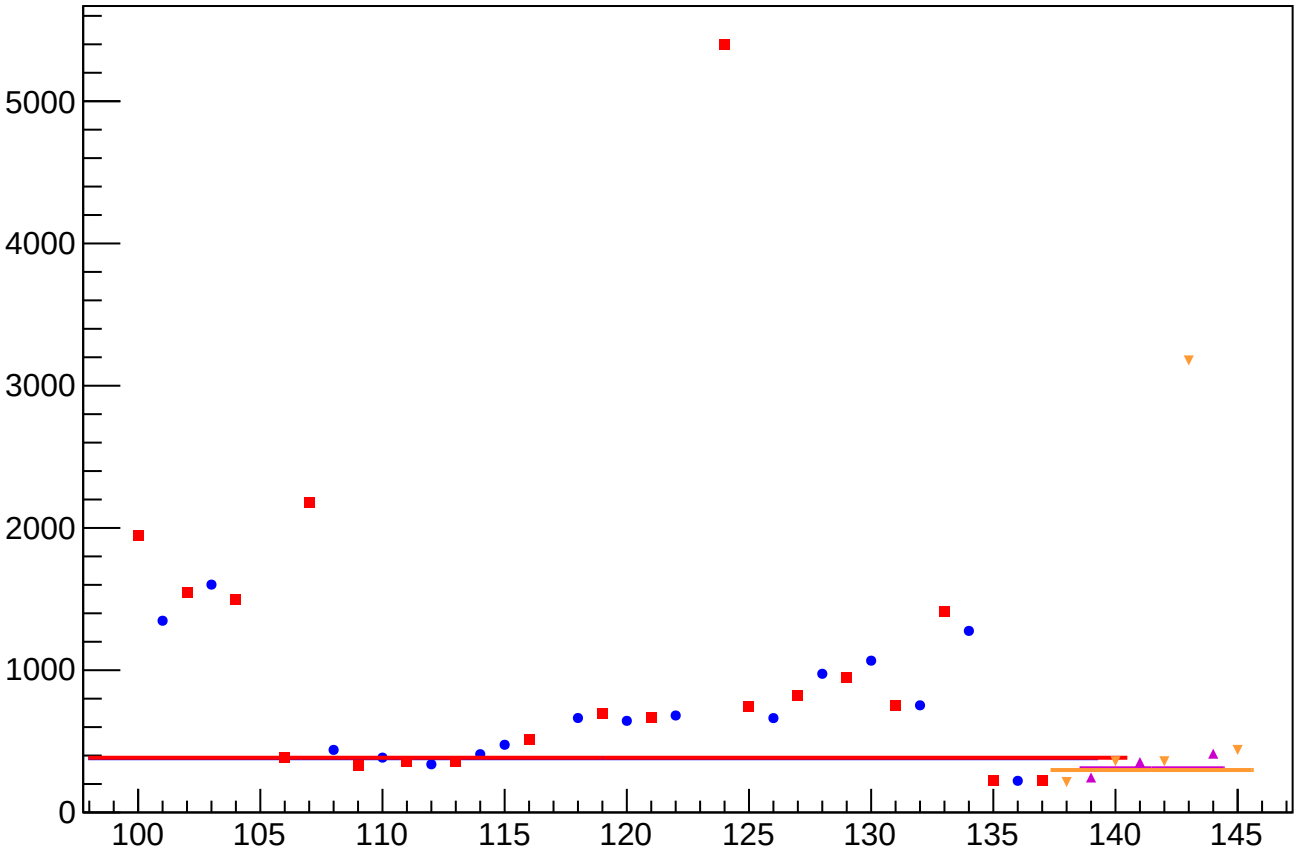
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -221.121+/-199.020 χ^2/NDF:1.6/2

+ sign -21.341+/-123.530 χ^2/NDF: 31.1/20

All: -99.326+/-89.258 χ^2/NDF: 49.5/42

- sign -184.522+/-129.115 χ^2/NDF: 17.5/21



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 298.312+/-0.127 χ^2/NDF:1821050.2/4

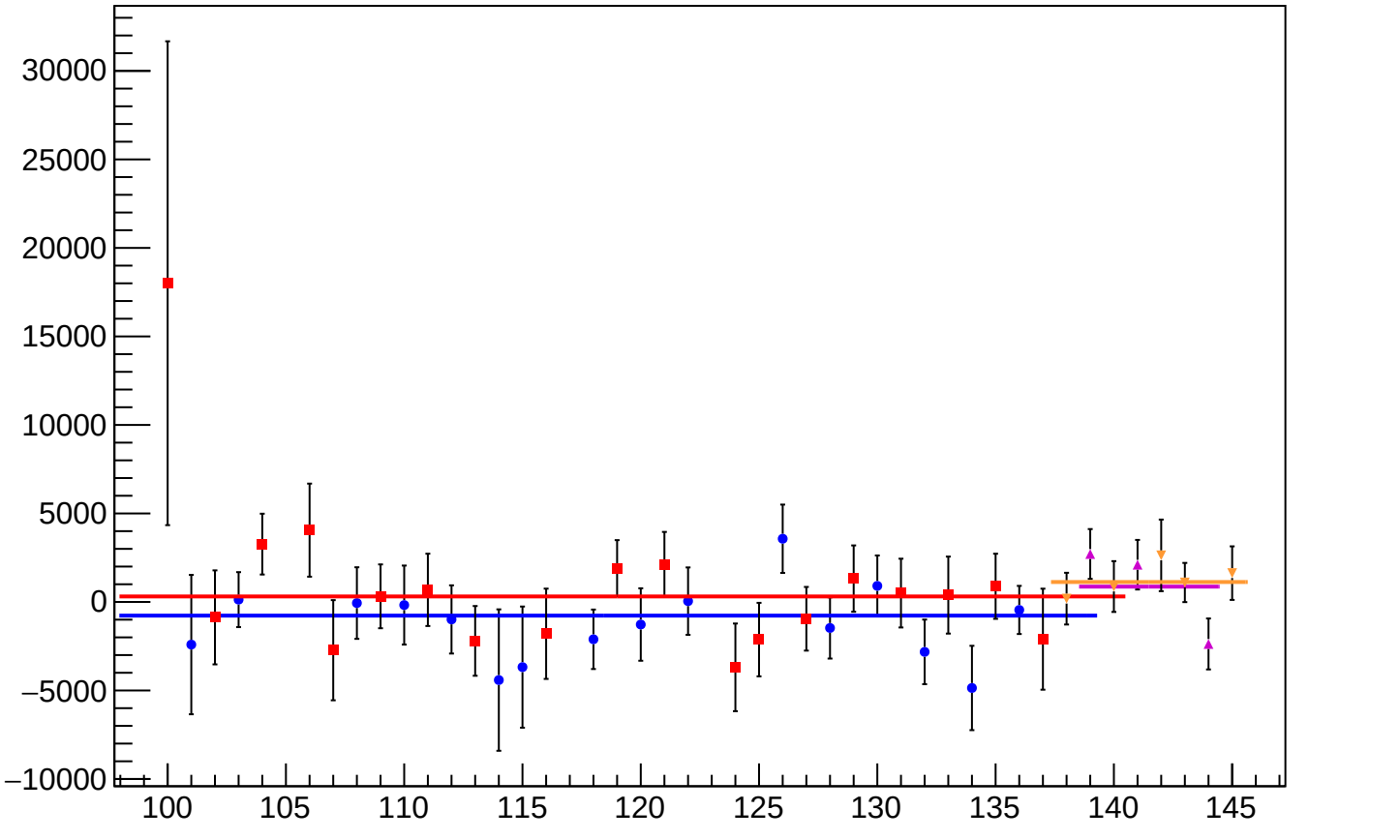
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 310.495+/-0.141 χ^2/NDF:245603.0/2

+ sign 342.172+/-0.087 χ^2/NDF: 6364182.6/20

All: 347.557+/-0.063 χ^2/NDF: 11338748.2/42

- sign 353.440+/-0.091 χ^2/NDF: 4966612.7/21



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

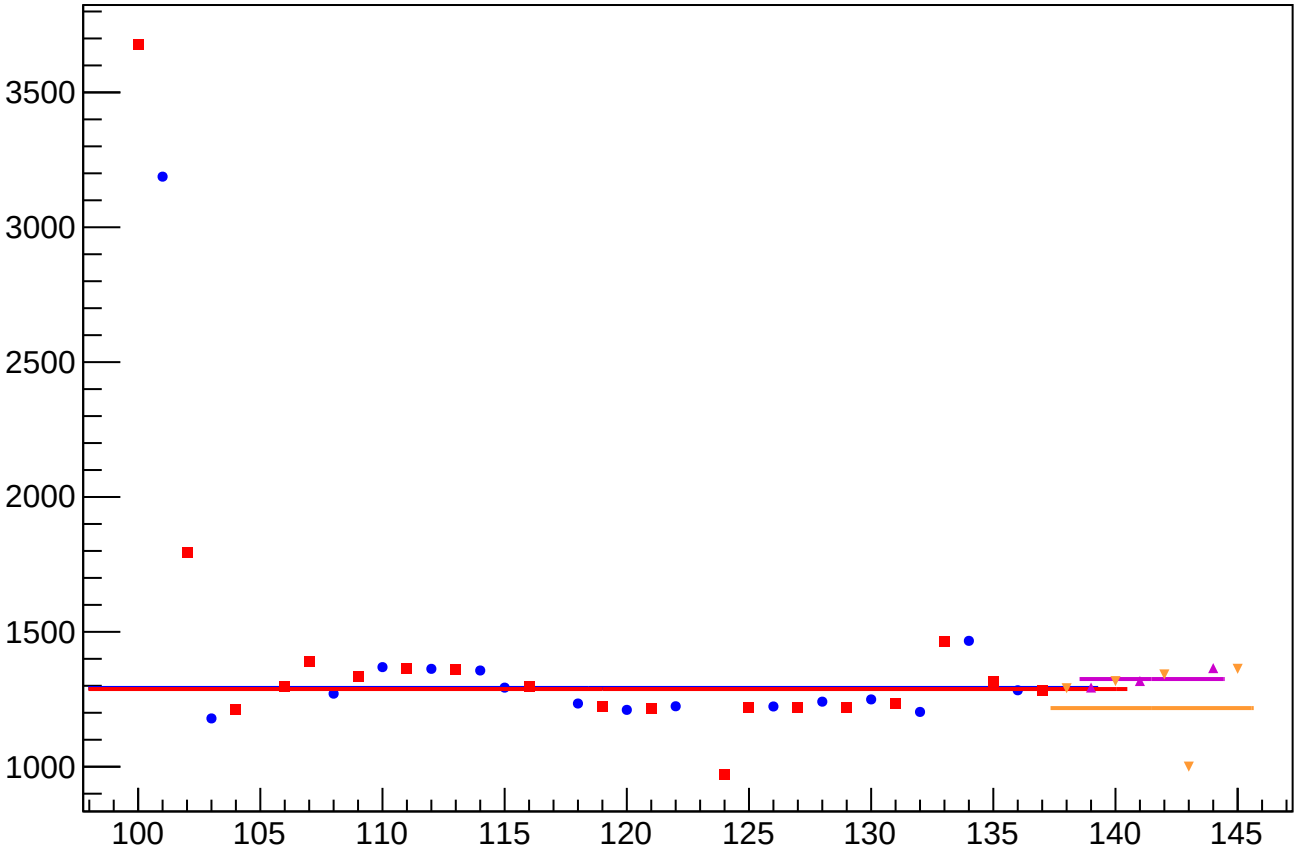
Left In: 866.341+/-817.034 χ^2/NDF:7.6/2

+ sign -68.668+/-388.558 χ^2/NDF: 20.3/20

All: 175.591+/-283.816 χ^2/NDF: 47.0/42

- sign 454.970+/-415.553 χ^2/NDF: 25.8/21

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

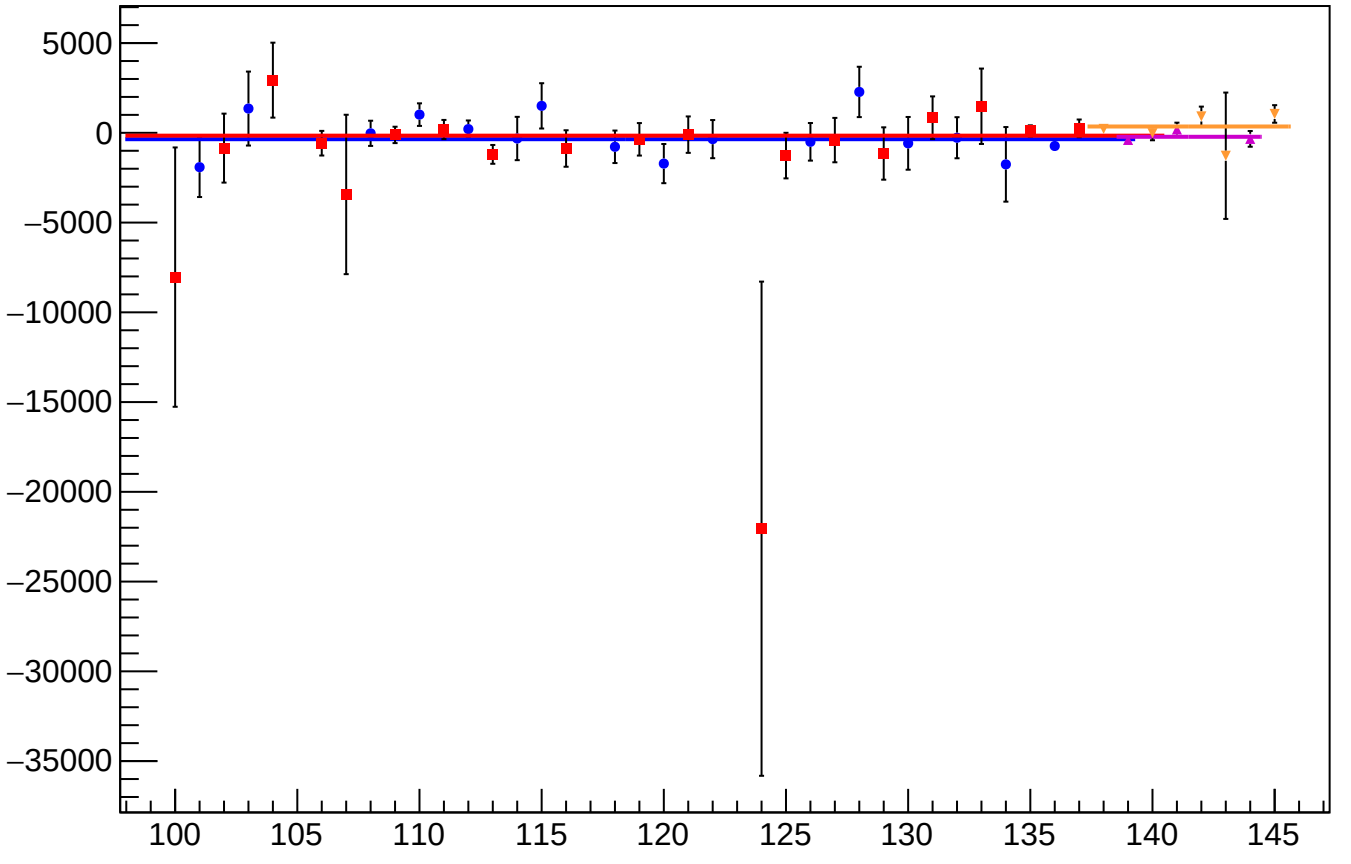
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1325.081+/-0.578 χ^2/NDF:2633.4/2

+ sign 1264.402+/-0.275 χ^2/NDF: 644388.5/20

All: 1279.880+/-0.201 χ^2/NDF: 866090.2/42

- sign 1297.584+/-0.294 χ^2/NDF: 214898.3/21



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 352.476+/-179.850 χ^2/NDF:4.5/4

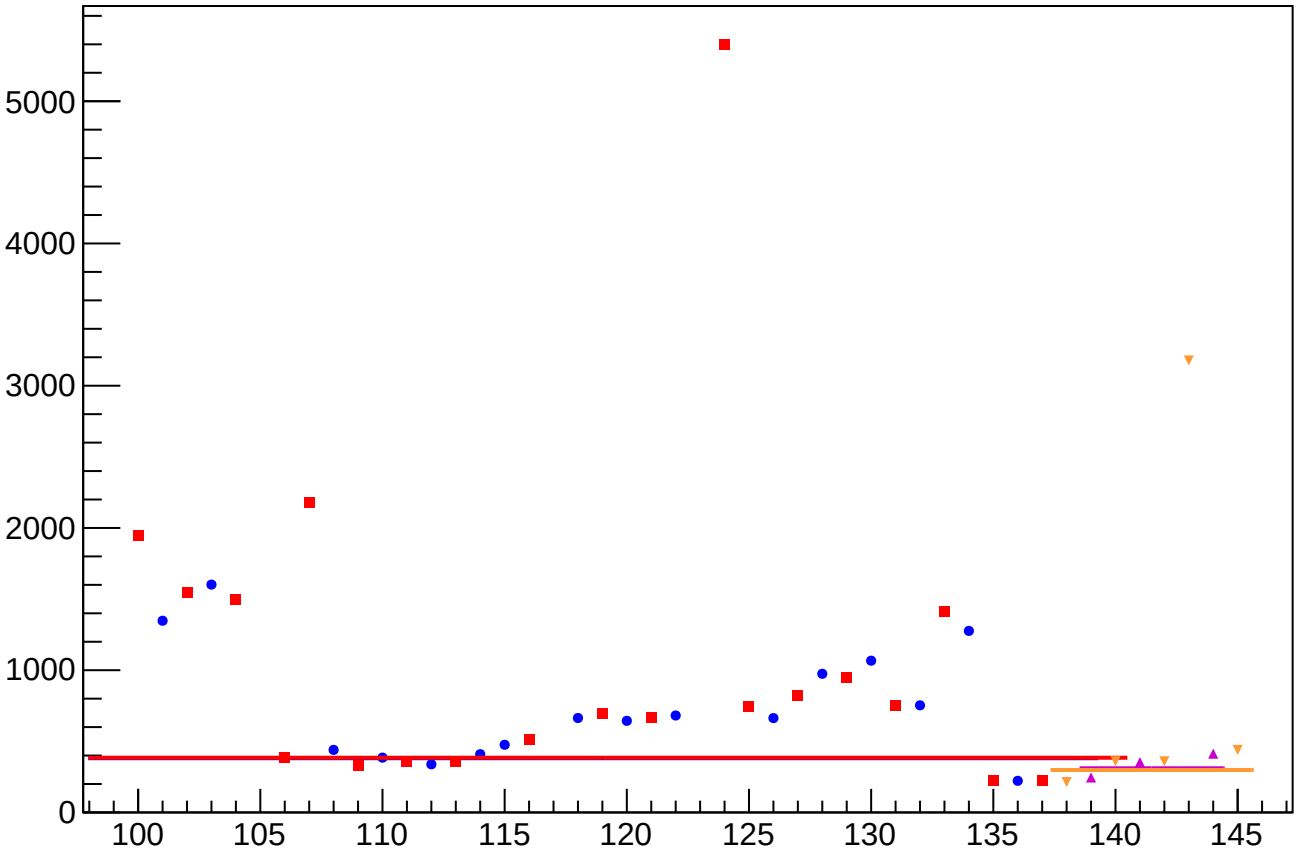
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -221.125+/-199.027 χ^2/NDF:1.6/2

+ sign -21.340+/-123.533 χ^2/NDF: 31.1/20

All: -99.328+/-89.260 χ^2/NDF: 49.5/42

- sign -184.526+/-129.118 χ^2/NDF: 17.5/21



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

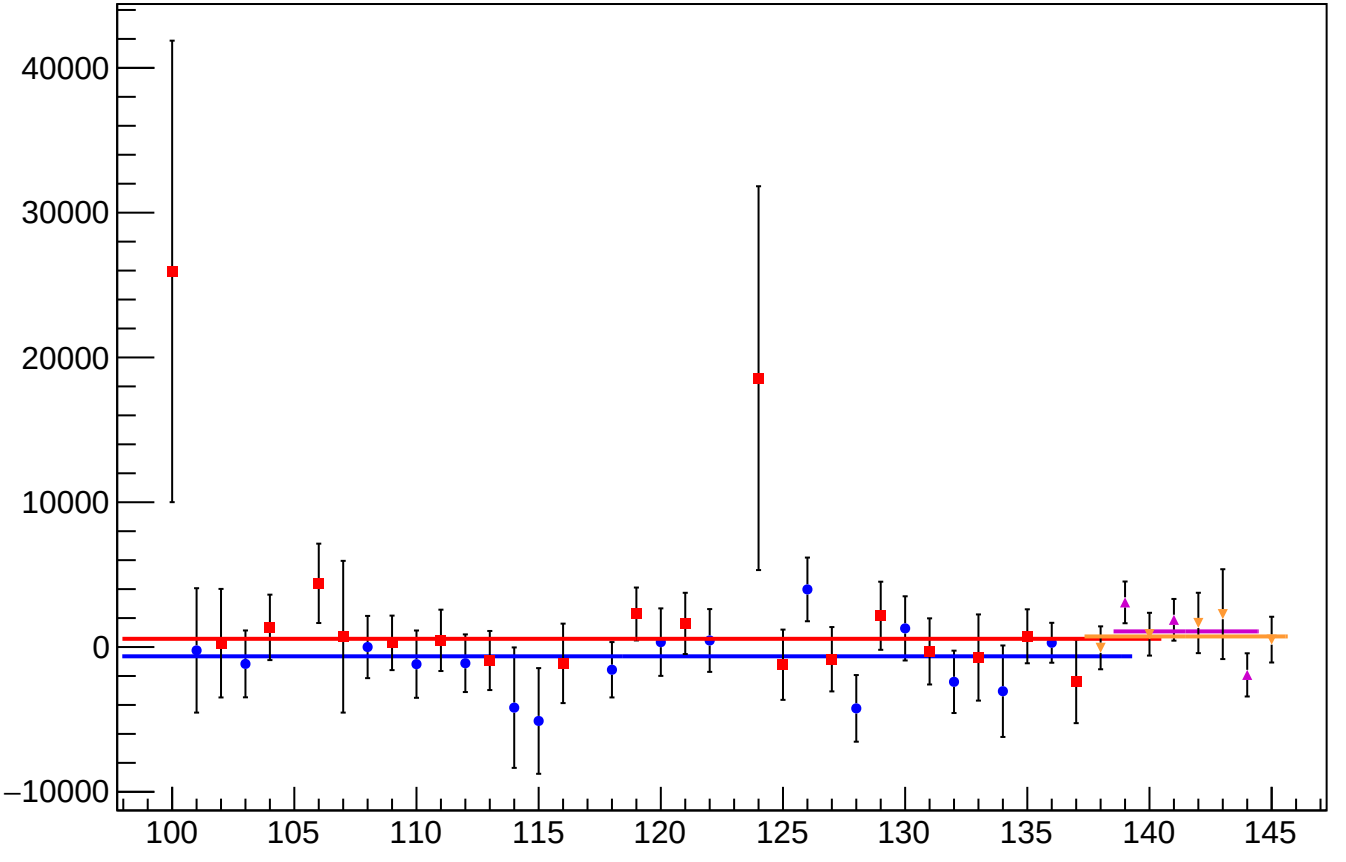
Left In: 310.509+/-0.141 χ^2/NDF:245546.3/2

+ sign 342.185+/-0.087 χ^2/NDF: 6363867.4/20

All: 347.569+/-0.063 χ^2/NDF: 11338201.8/42

- sign 353.451+/-0.091 χ^2/NDF: 4966384.3/21

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

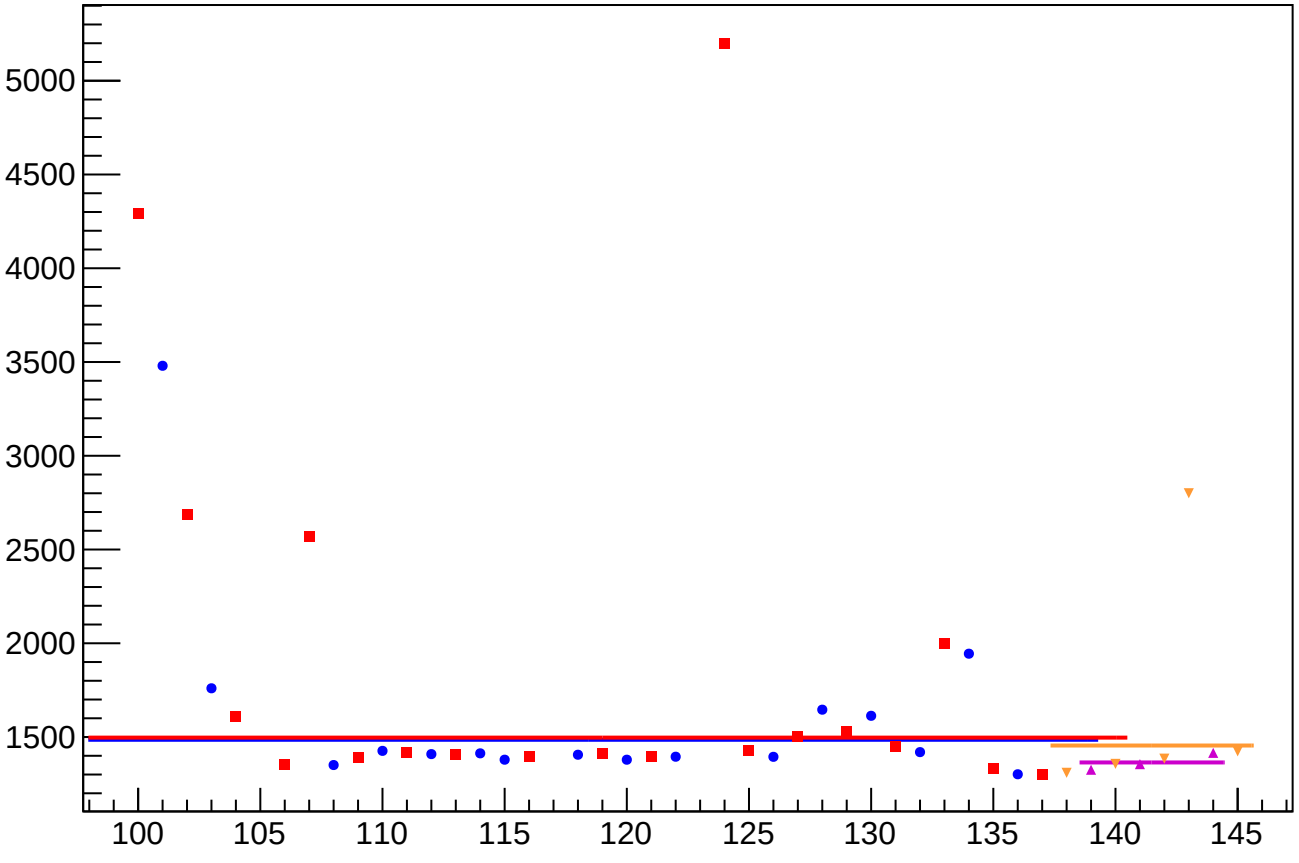
Left In: 1080.724+/-841.469 χ^2/NDF:6.3/2

+ sign -168.568+/-457.023 χ^2/NDF: 15.3/20

All: 266.844+/-327.685 χ^2/NDF: 35.0/42

- sign 727.502+/-470.085 χ^2/NDF: 17.9/21

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

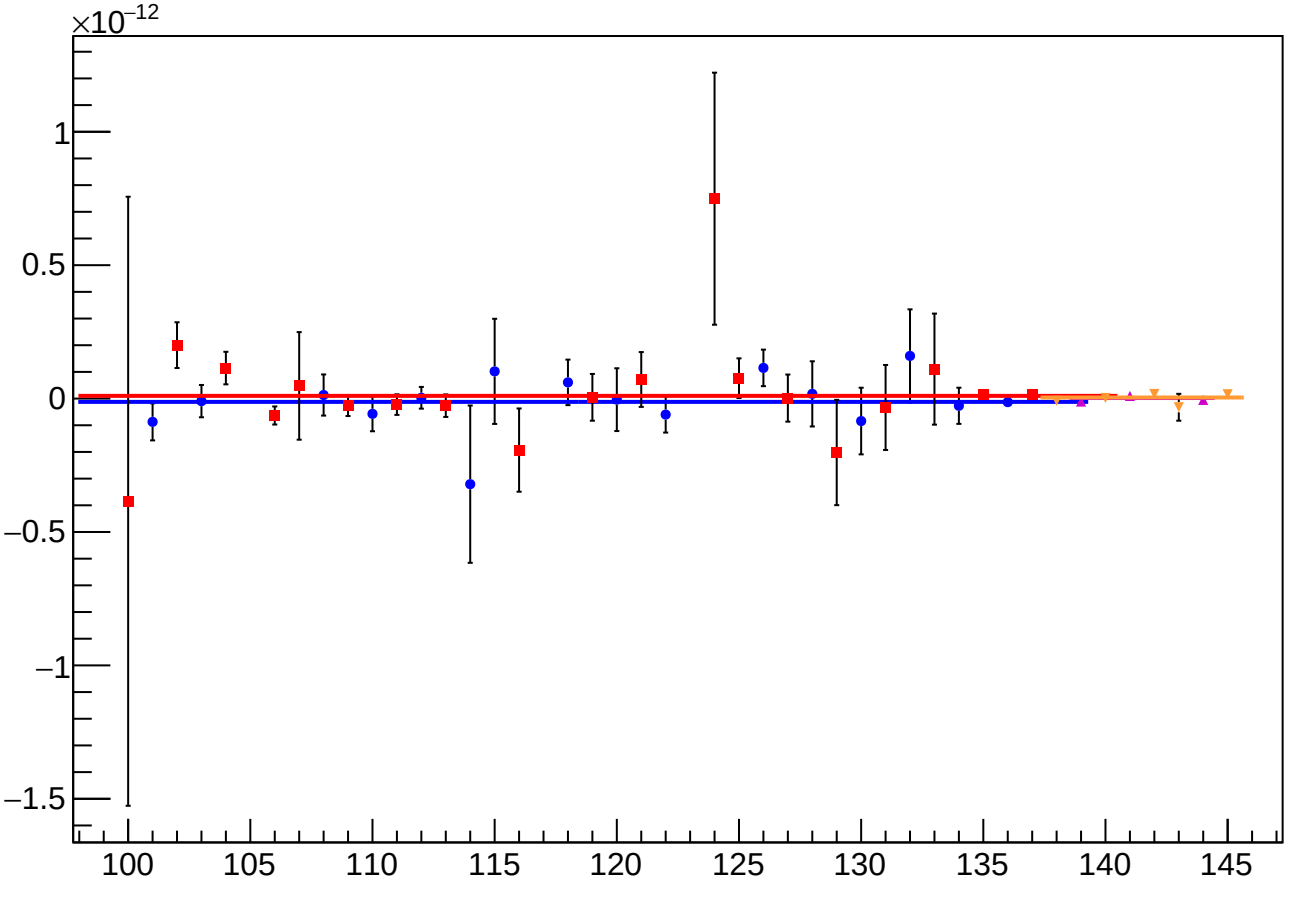
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1364.434+/-0.595 χ^2/NDF:3888.0/2

+ sign 1474.819+/-0.323 χ^2/NDF: 993526.5/20

All: 1465.449+/-0.232 χ^2/NDF: 1656514.8/42

- sign 1455.536+/-0.332 χ^2/NDF: 661258.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/4

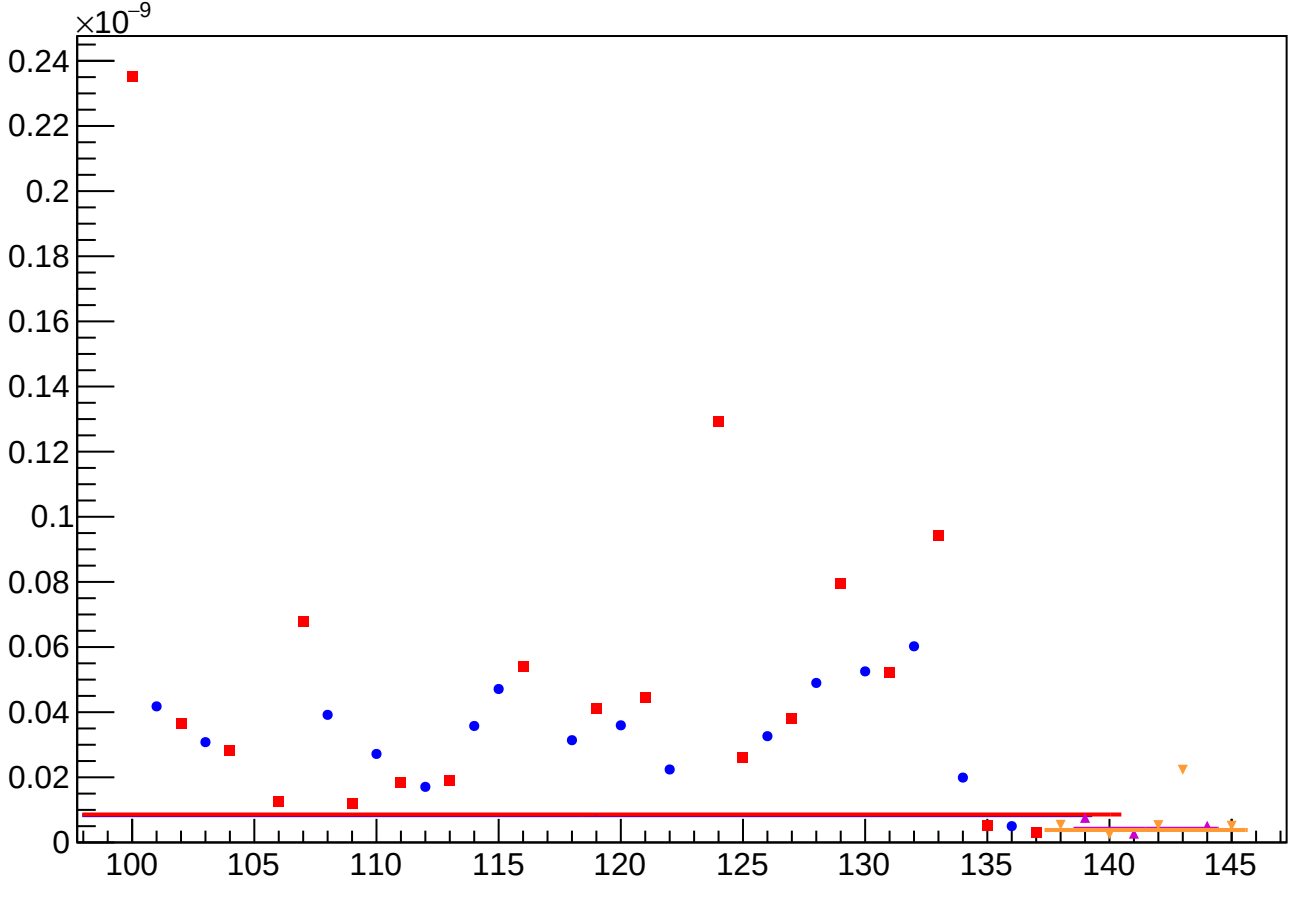
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/2

\+ sign 0.000+/-0.000 χ^2/NDF: 19.4/20

All: 0.000+/-0.000 χ^2/NDF: 46.9/42

\- sign 0.000+/-0.000 χ^2/NDF: 27.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:562090.0/4

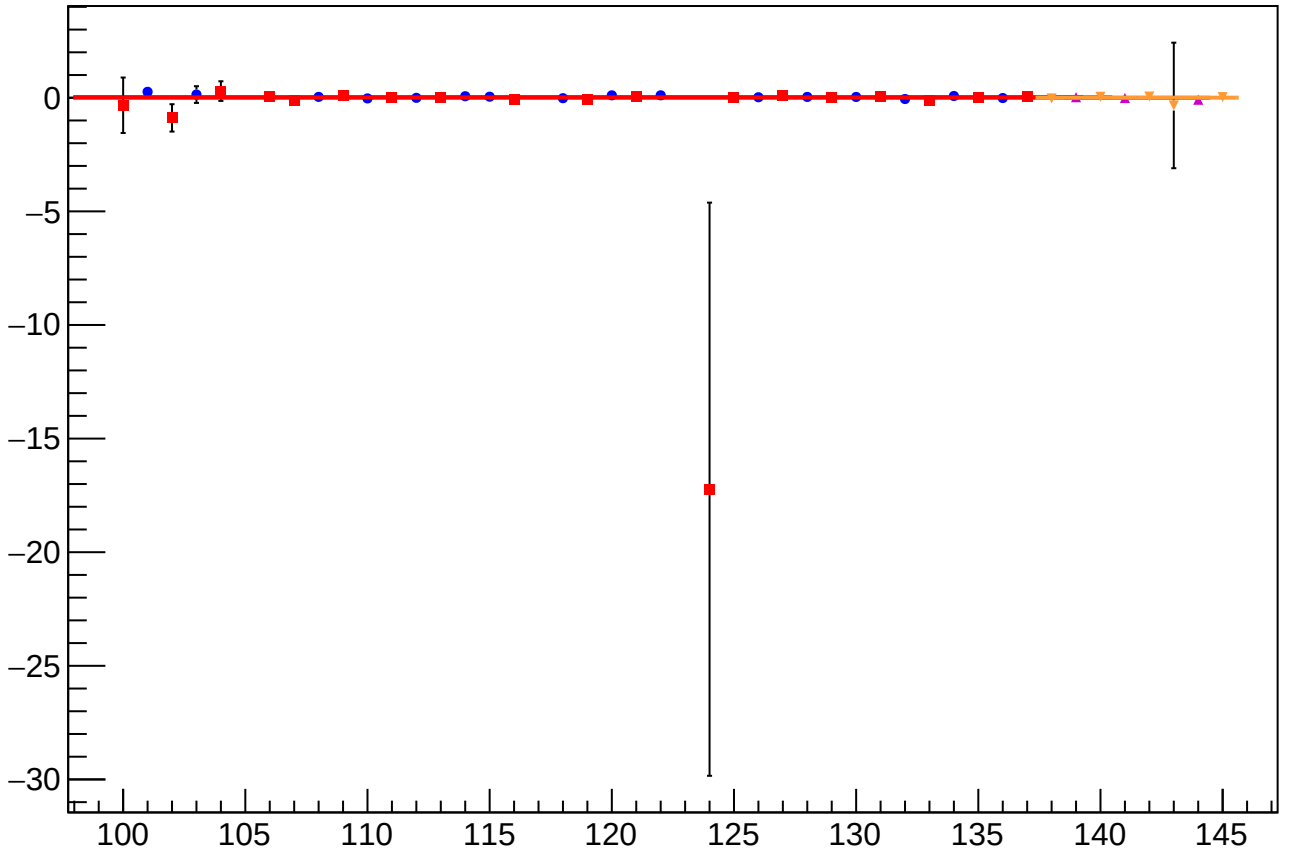
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:352869.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 4227096.5/20

All: 0.000+/-0.000 χ^2/NDF: 8407771.8/42

- sign 0.000+/-0.000 χ^2/NDF: 4161703.6/21



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

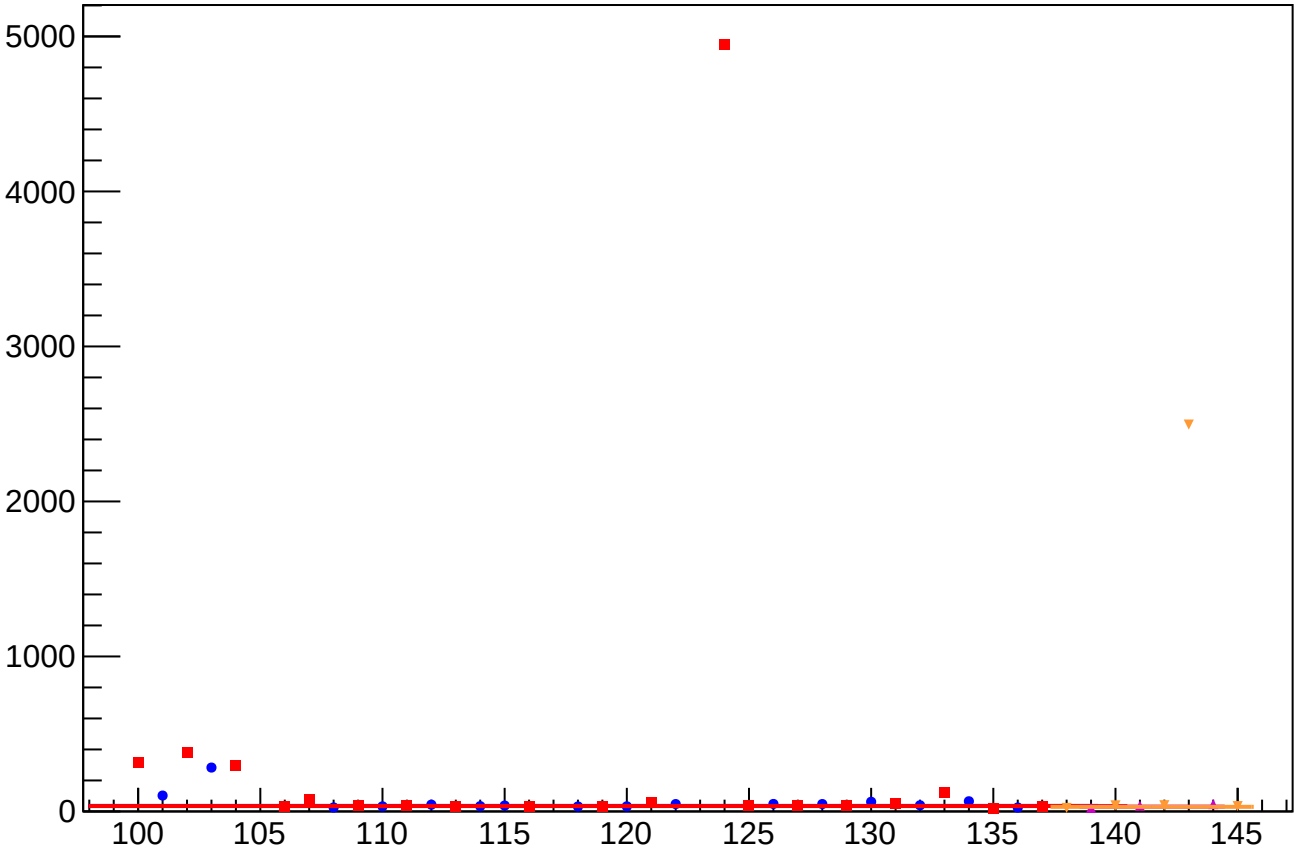
Left In: -0.004+/-0.022 χ^2/NDF:3.4/2

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.010+/-0.009 χ^2/NDF: 34.8/42

- sign 0.008+/-0.013 χ^2/NDF: 19.9/21

asym_atl1r2_dd_atl2r1_dd_avg_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

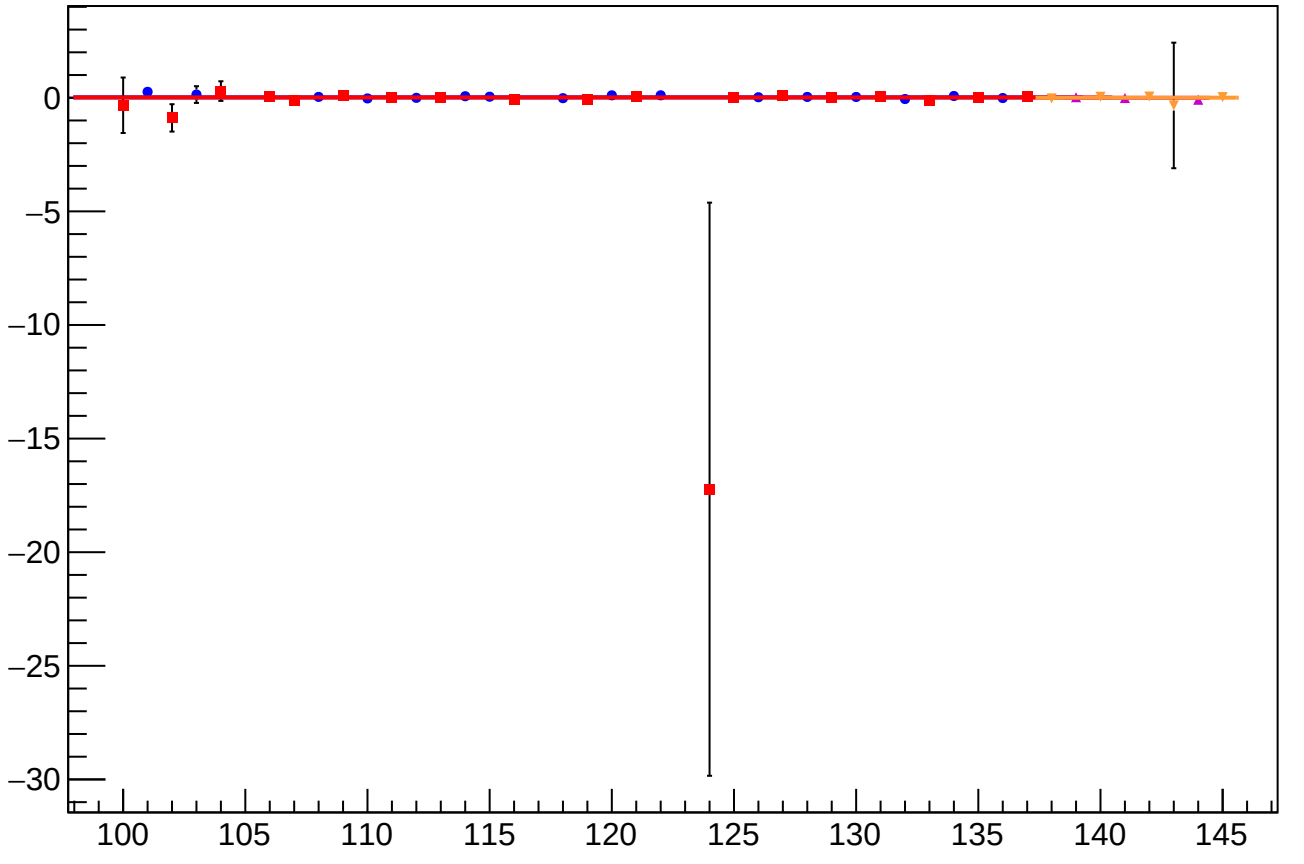
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.218+/-0.016 χ^2/NDF:364744.1/2

+ sign 33.530+/-0.009 χ^2/NDF: 4268185.8/20

All: 33.562+/-0.006 χ^2/NDF: 7582299.5/42

- sign 33.596+/-0.009 χ^2/NDF: 3314085.6/21



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

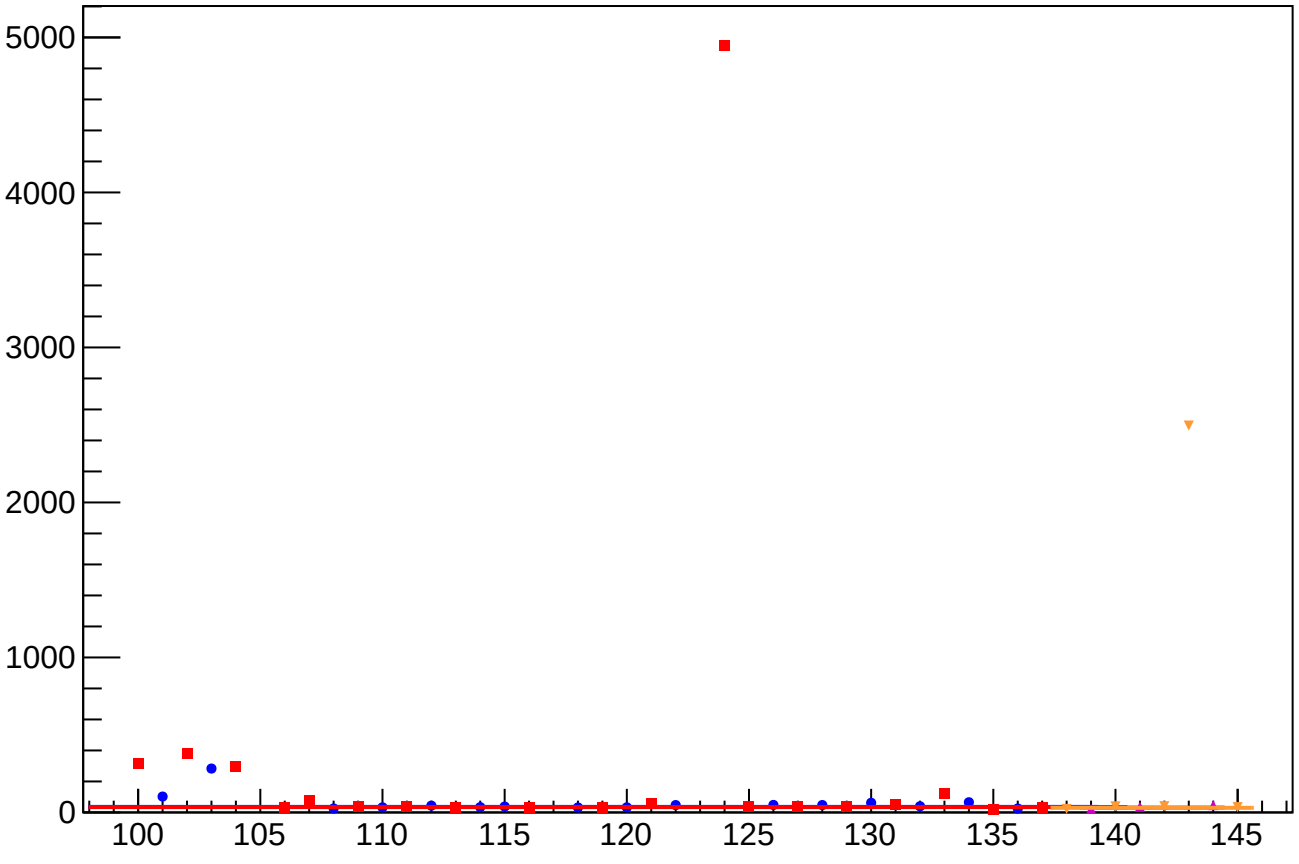
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.022 χ^2/NDF:3.4/2

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.010+/-0.009 χ^2/NDF: 34.8/42

- sign 0.008+/-0.013 χ^2/NDF: 19.9/21



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 29.891+/-0.014 χ^2/NDF:1894945.5/4

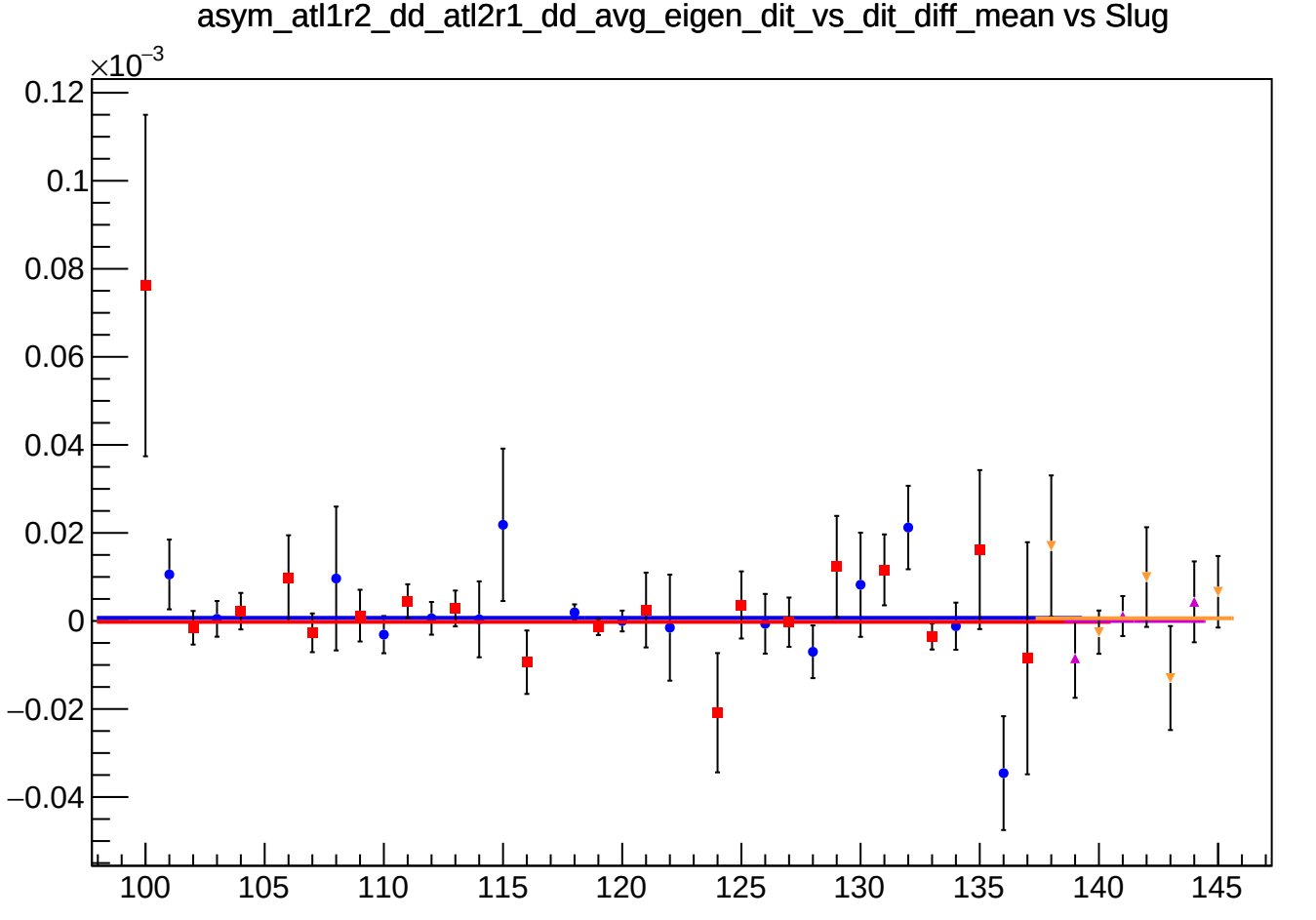
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

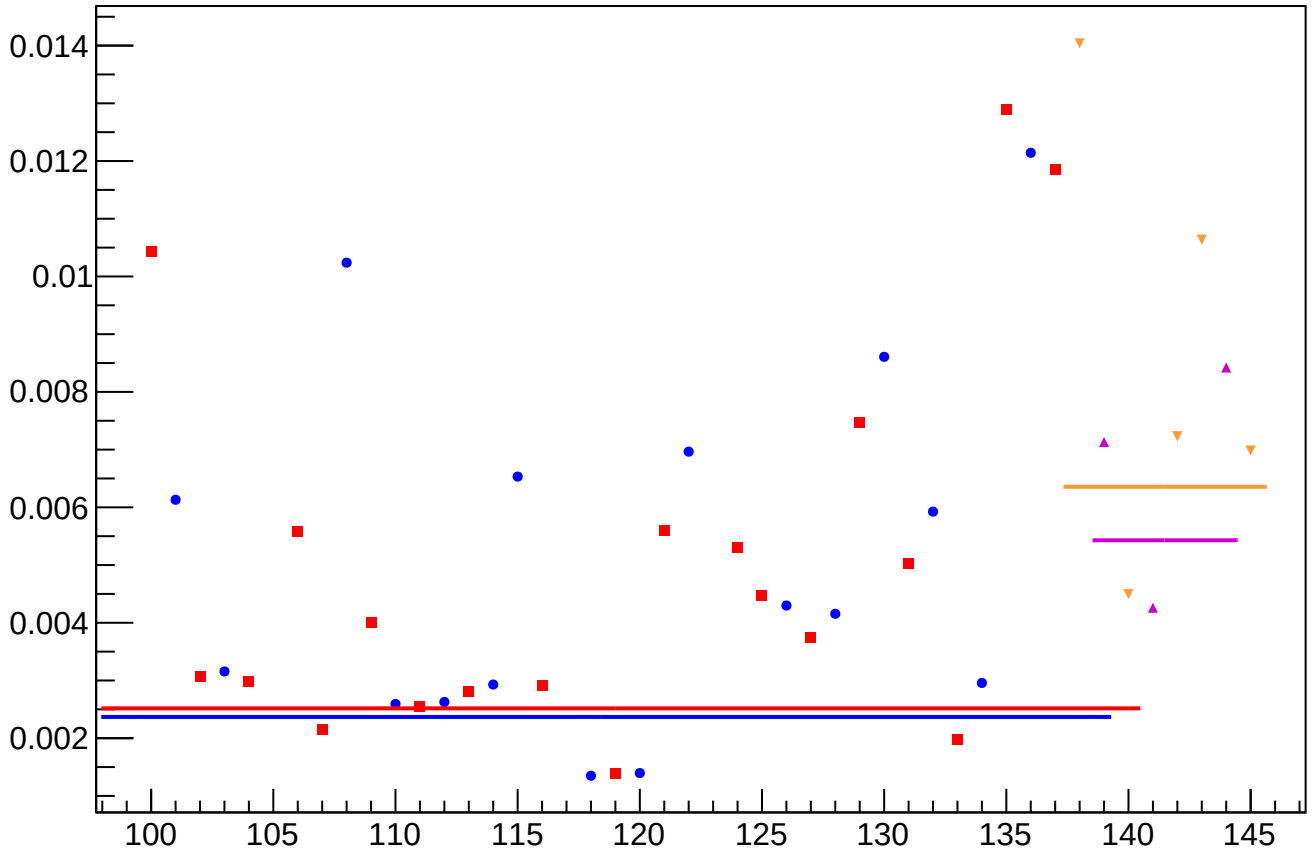
Left In: 31.218+/-0.016 χ^2/NDF:364744.1/2

+ sign 33.530+/-0.009 χ^2/NDF: 4268185.8/20

All: 33.562+/-0.006 χ^2/NDF: 7582299.5/42

- sign 33.596+/-0.009 χ^2/NDF: 3314085.6/21


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
105
110
115
120
125
130
135
140
145
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:1.2/2
+ sign 0.000+/-0.000 χ²/NDF: 23.1/20
All: 0.000+/-0.000 χ²/NDF: 42.7/42
- sign -0.000+/-0.000 χ²/NDF: 19.3/21



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

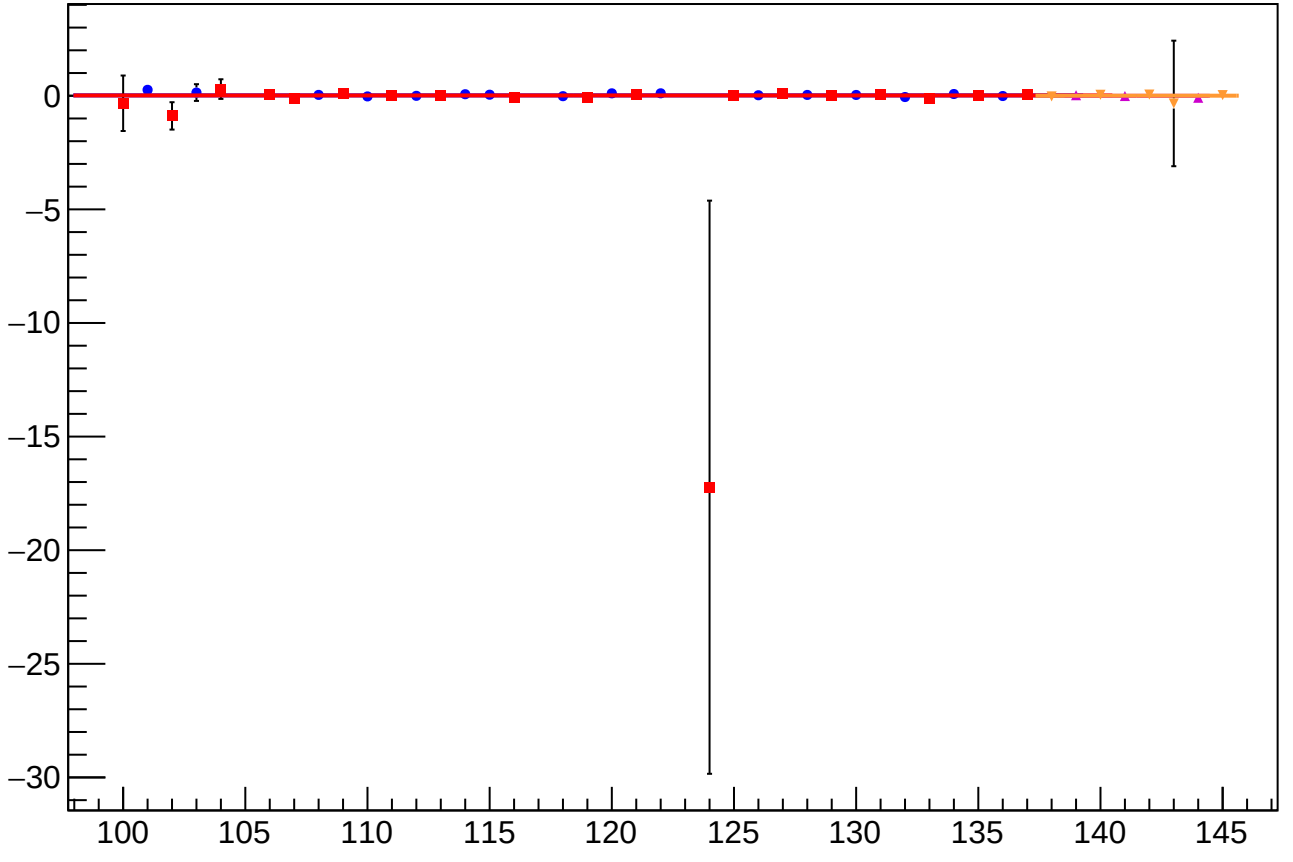
Left In: 0.005+/-0.000 χ^2/NDF:416679.3/2

+ sign 0.003+/-0.000 χ^2/NDF: 7948235.7/20

All: 0.003+/-0.000 χ^2/NDF: 12902737.7/42

- sign 0.003+/-0.000 χ^2/NDF: 4953435.0/21

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

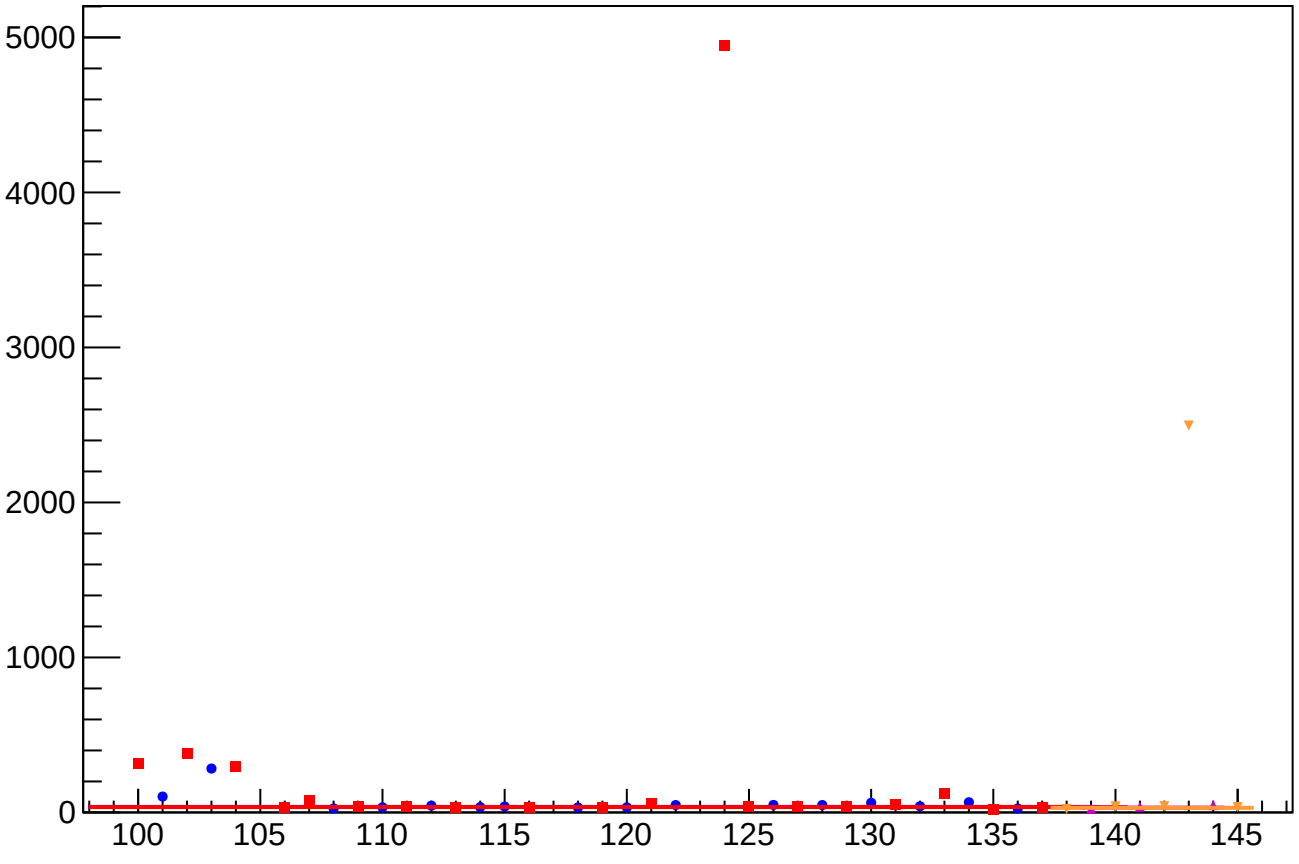
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.022 χ^2/NDF:3.4/2

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.010+/-0.009 χ^2/NDF: 34.8/42

- sign 0.008+/-0.013 χ^2/NDF: 19.9/21



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

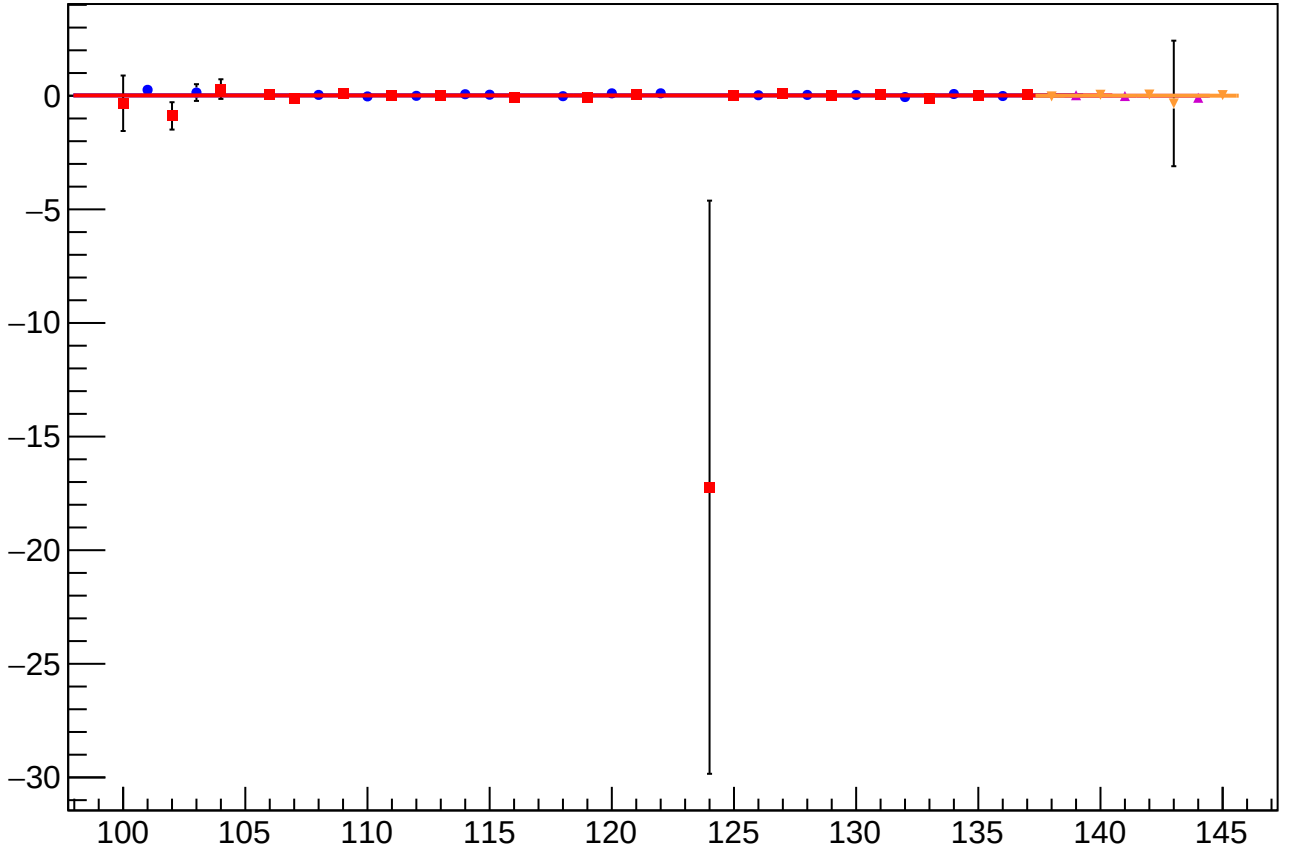
Left In: 31.214+/-0.016 χ^2/NDF:365054.7/2

+ sign 33.532+/-0.009 χ^2/NDF: 4268145.6/20

All: 33.562+/-0.006 χ^2/NDF: 7582492.8/42

- sign 33.596+/-0.009 χ^2/NDF: 3314320.8/21

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: 0.003+/-0.020 χ^2/NDF:3.1/4

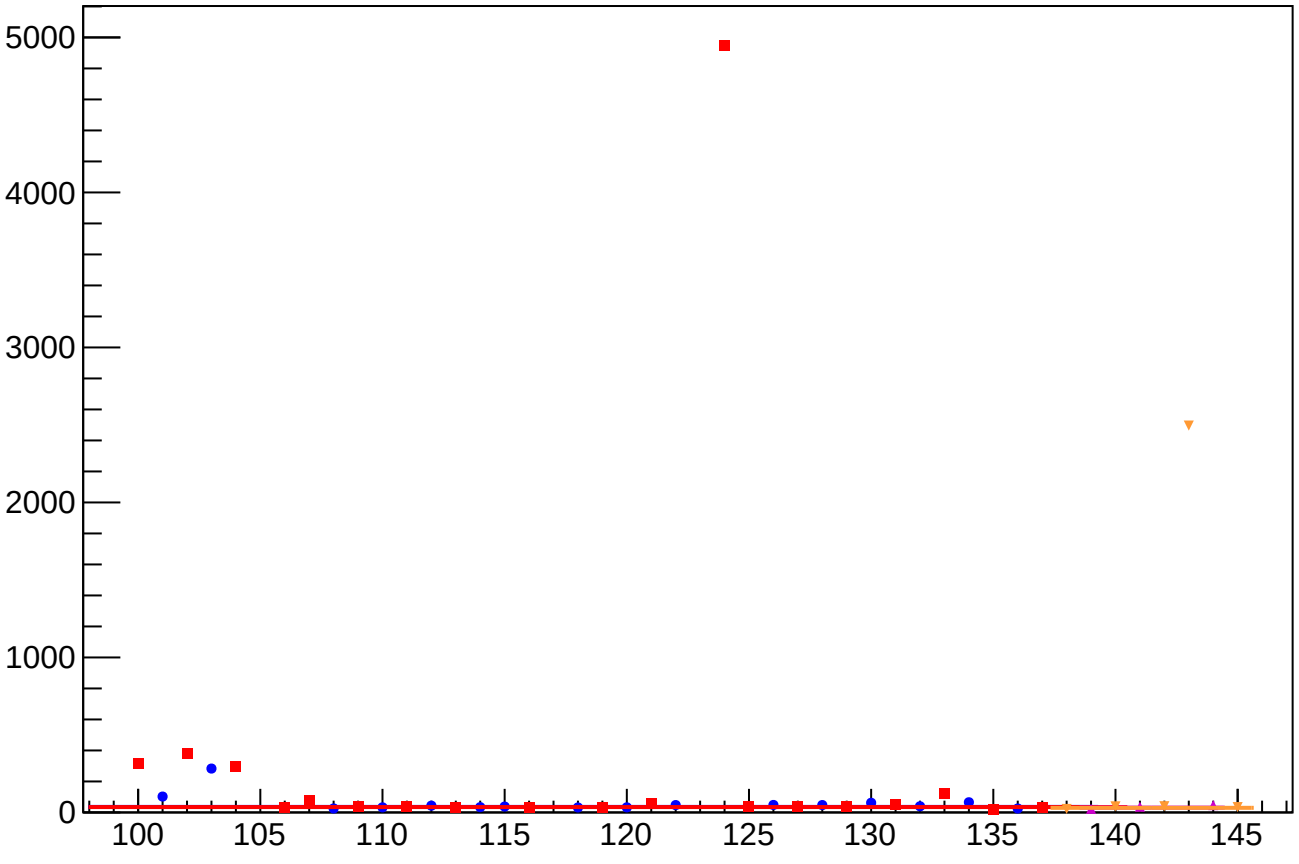
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.022 χ^2/NDF:3.4/2

+ sign 0.011+/-0.012 χ^2/NDF: 14.8/20

All: 0.010+/-0.009 χ^2/NDF: 34.8/42

- sign 0.008+/-0.013 χ^2/NDF: 19.9/21



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 29.892+/-0.014 χ^2/NDF:1895152.8/4

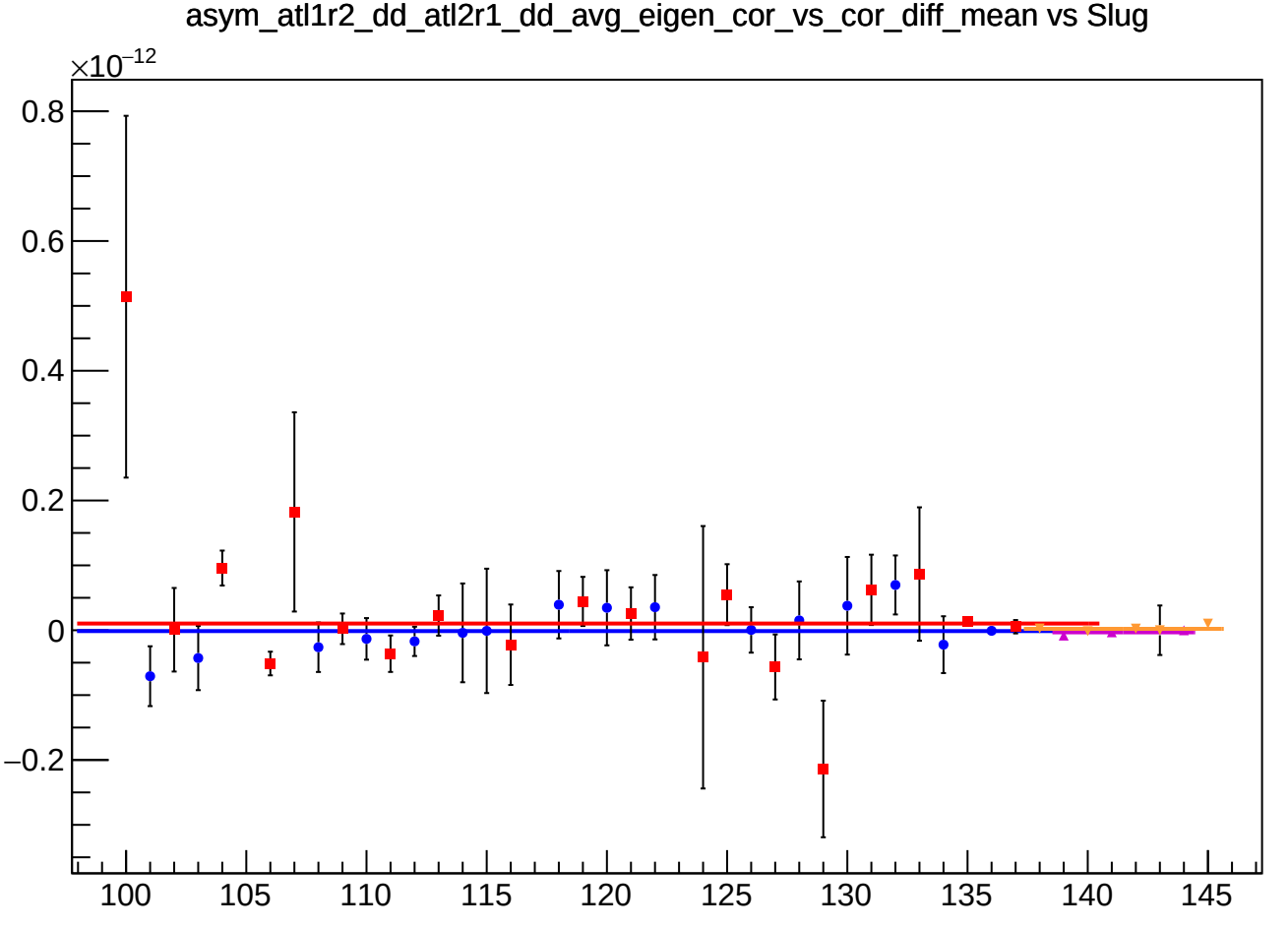
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.214+/-0.016 χ^2/NDF:365054.7/2

+ sign 33.532+/-0.009 χ^2/NDF: 4268145.6/20

All: 33.562+/-0.006 χ^2/NDF: 7582492.8/42

- sign 33.596+/-0.009 χ^2/NDF: 3314320.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

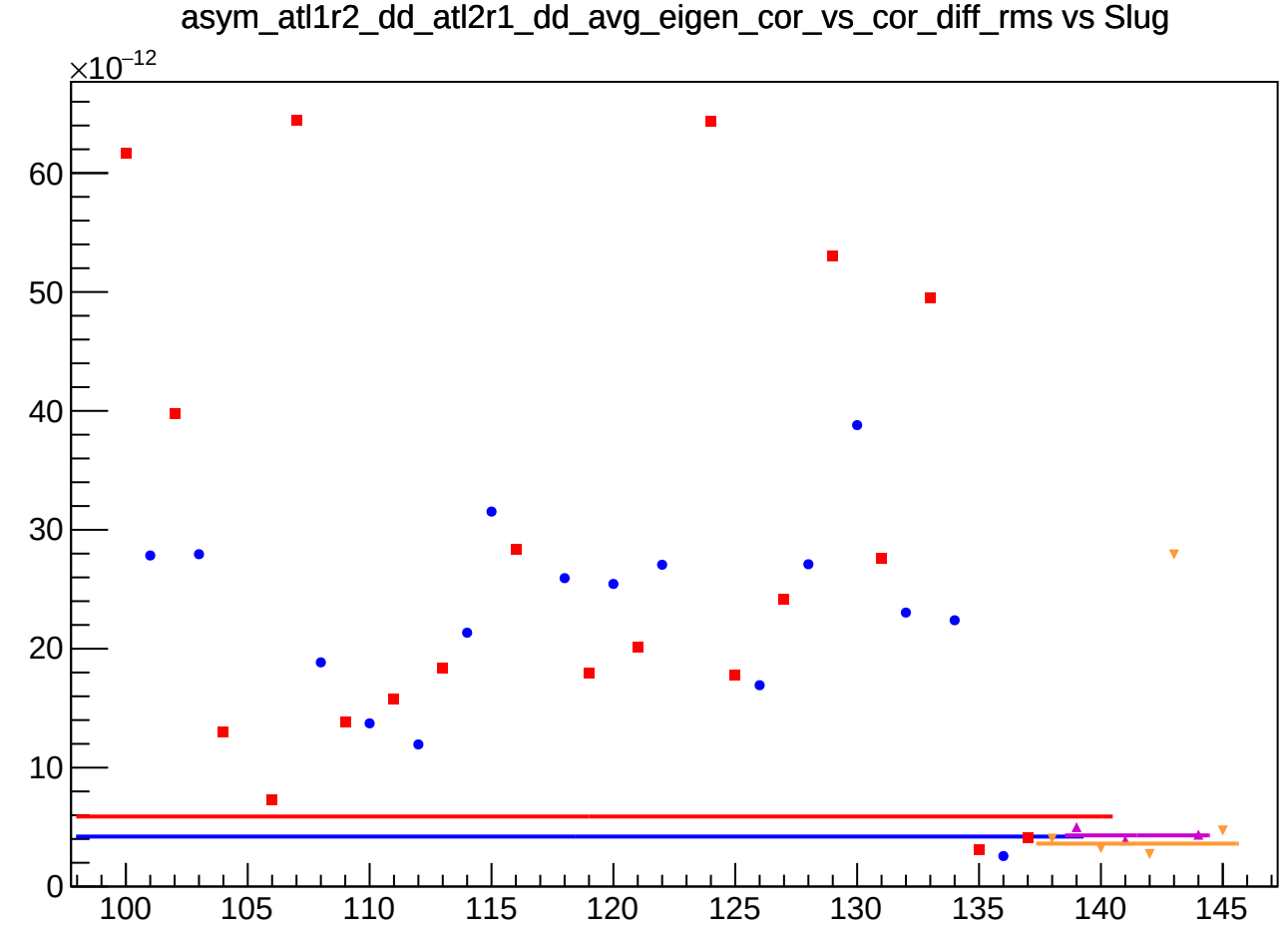
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 11.7/20

All: 0.000+/-0.000 χ^2/NDF: 59.2/42

- sign 0.000+/-0.000 χ^2/NDF: 47.4/21



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

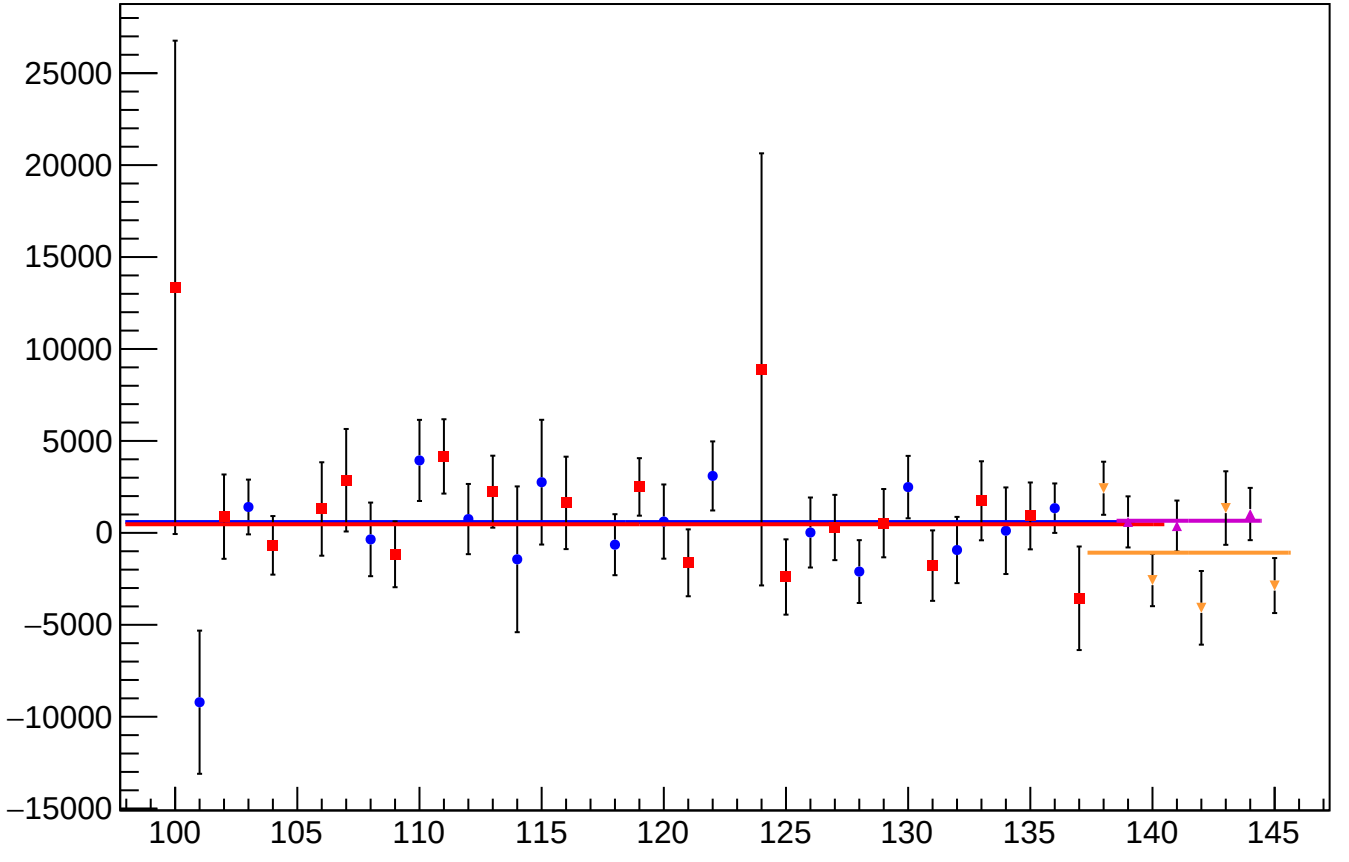
Left In: 0.000+/-0.000 χ^2/NDF:36607.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 6077156.7/20

All: 0.000+/-0.000 χ^2/NDF: 11373104.9/42

- sign 0.000+/-0.000 χ^2/NDF: 5079873.5/21

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

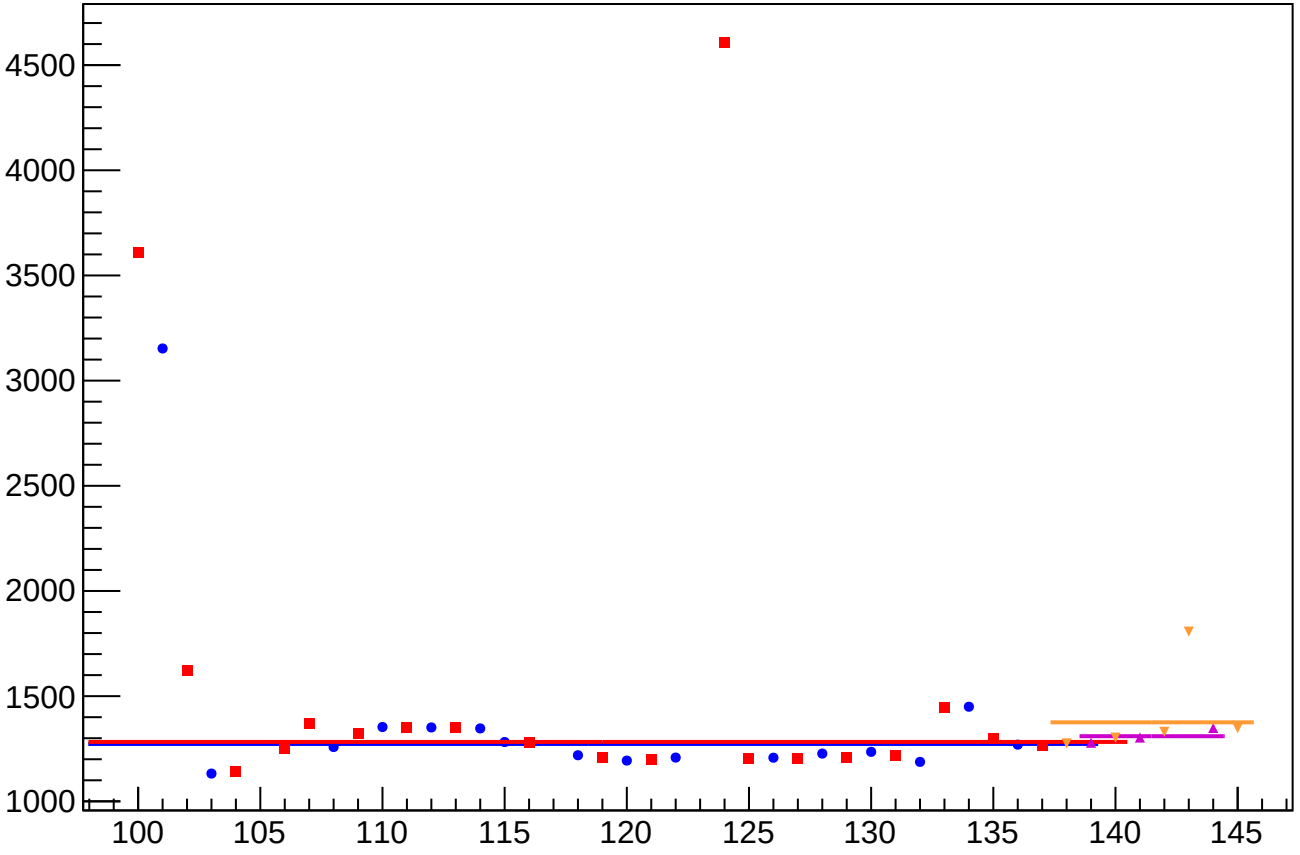
Left In: 658.533+/-807.405 χ^2/NDF:0.1/2

\+ sign 72.344+/-400.979 χ^2/NDF: 32.9/20

All: 288.916+/-287.665 χ^2/NDF: 50.5/42

\- sign 518.581+/-412.922 χ^2/NDF: 17.0/21

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

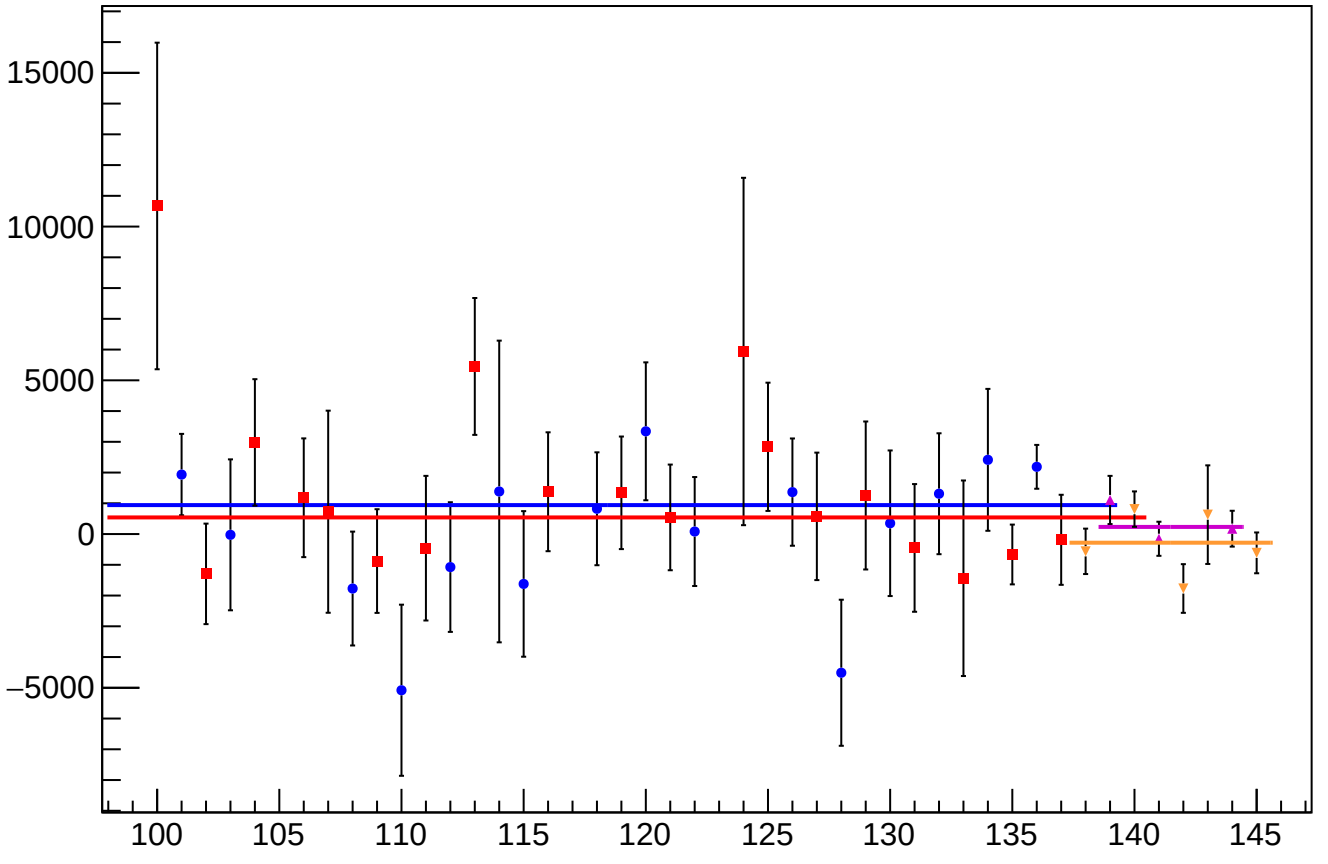
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

+ sign 1304.557+/-0.284 χ^2/NDF: 656902.2/20

All: 1297.237+/-0.203 χ^2/NDF: 984585.3/42

- sign 1289.476+/-0.292 χ^2/NDF: 326310.0/21



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -281.339+/-331.499 χ^2/NDF:7.8/4

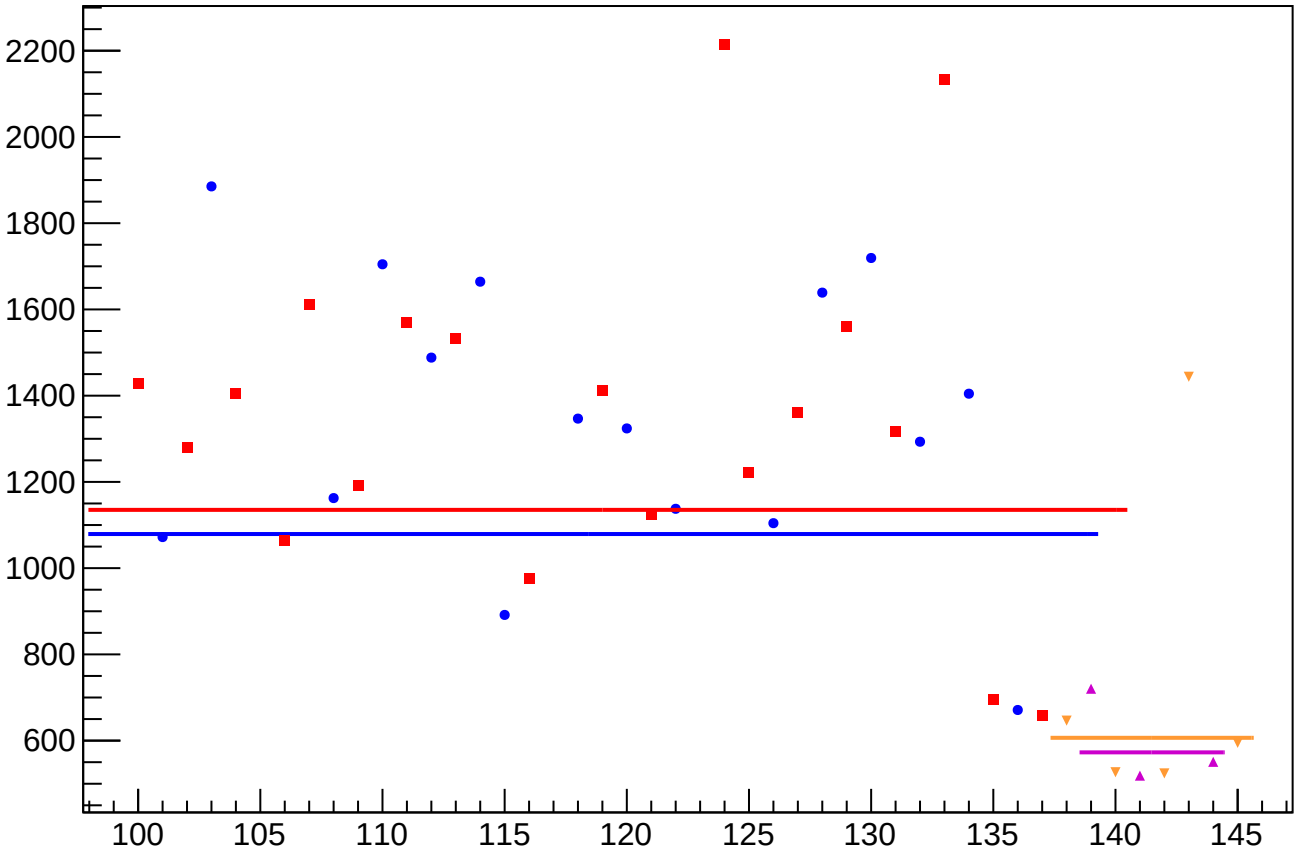
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 232.003+/-357.484 χ^2/NDF:1.7/2

+ sign 180.182+/-261.582 χ^2/NDF: 32.9/20

All: 262.338+/-190.323 χ^2/NDF: 52.3/42

- sign 354.750+/-277.430 χ^2/NDF: 19.2/21



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

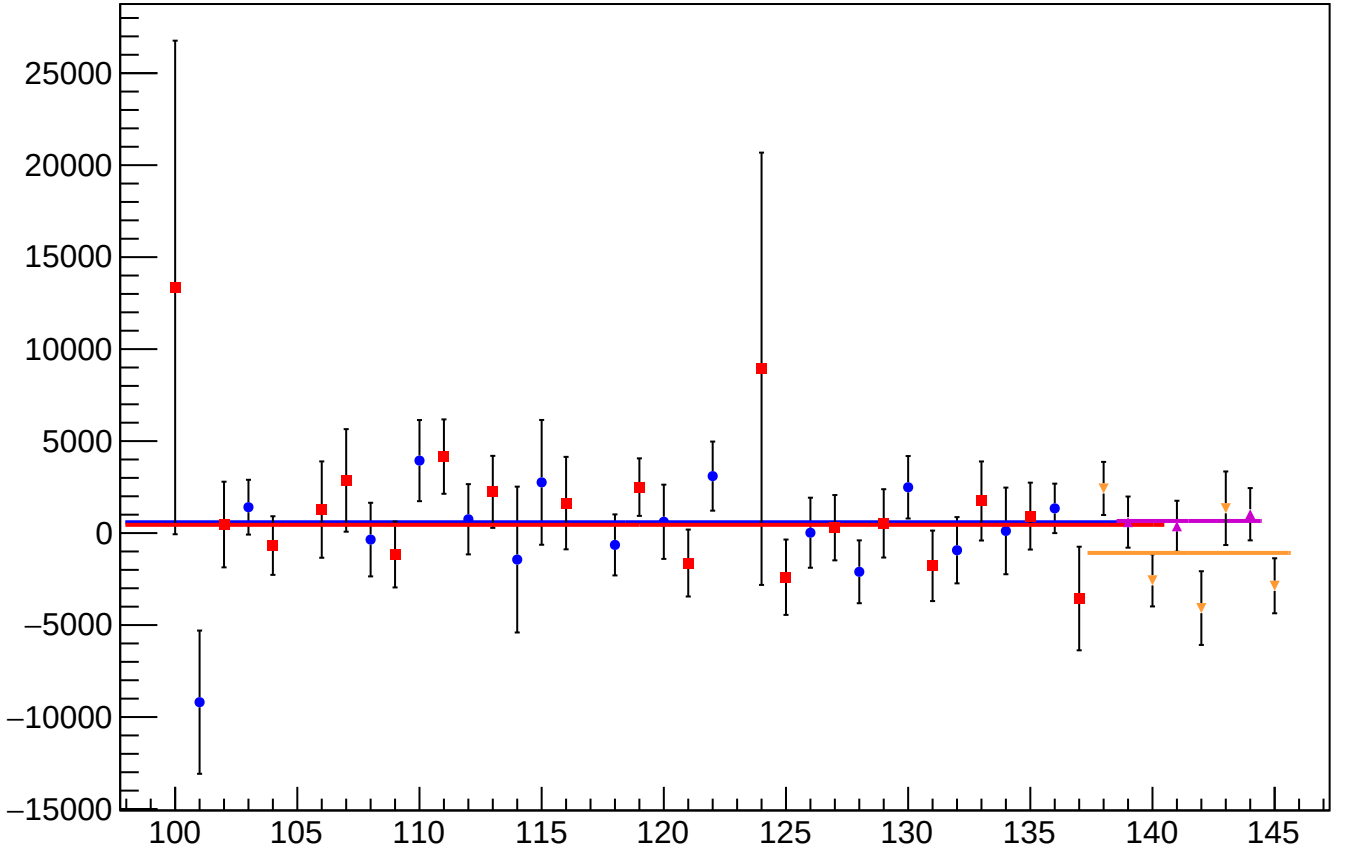
Left In: 572.777+/-0.253 χ^2/NDF:92673.4/2

\+ sign 784.863+/-0.185 χ^2/NDF: 3627841.4/20

All: 790.318+/-0.135 χ^2/NDF: 6984100.4/42

\- sign 796.454+/-0.196 χ^2/NDF: 3354410.8/21

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

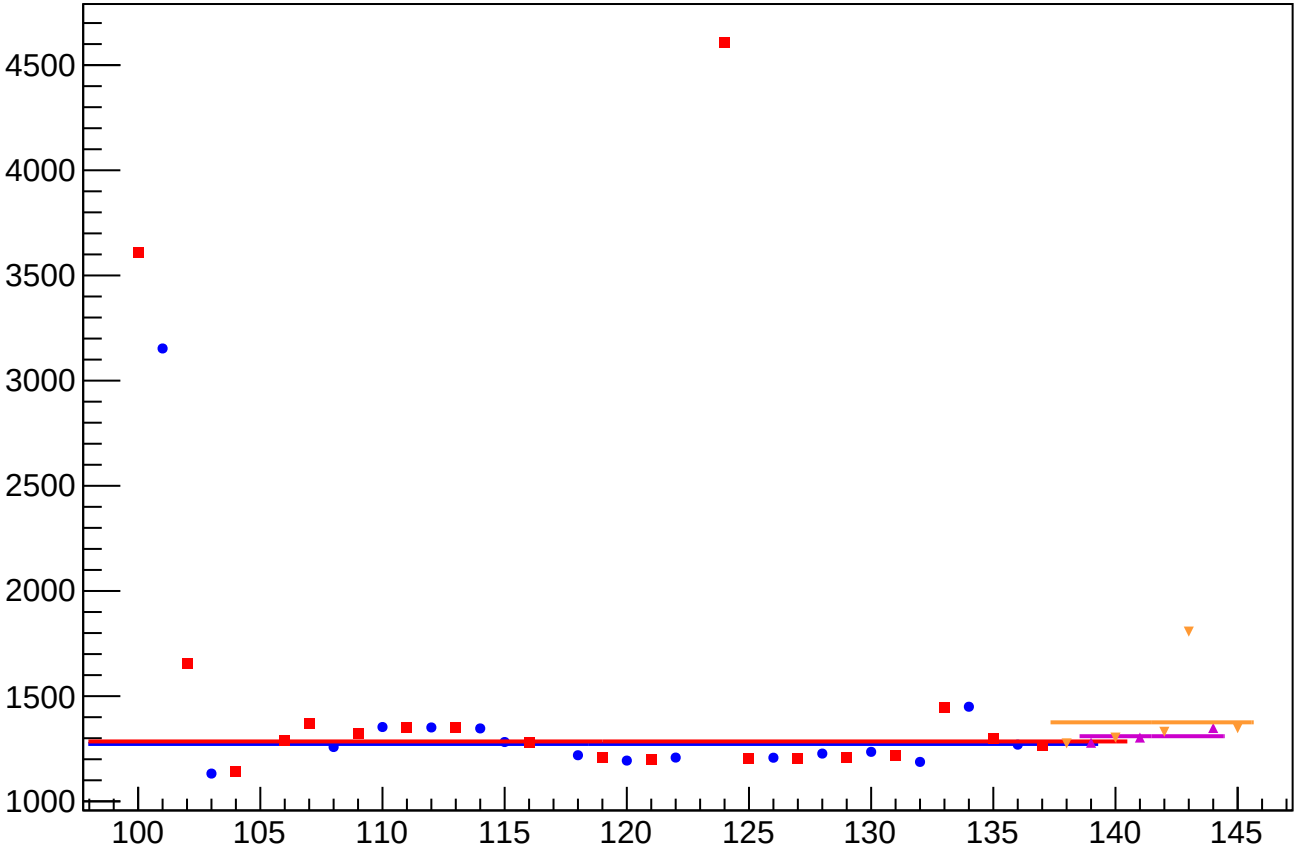
Left In: 658.531+/-807.405 χ^2/NDF:0.1/2

+ sign 72.530+/-400.979 χ^2/NDF: 32.9/20

All: 281.426+/-287.840 χ^2/NDF: 50.4/42

- sign 503.506+/-413.441 χ^2/NDF: 17.0/21

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

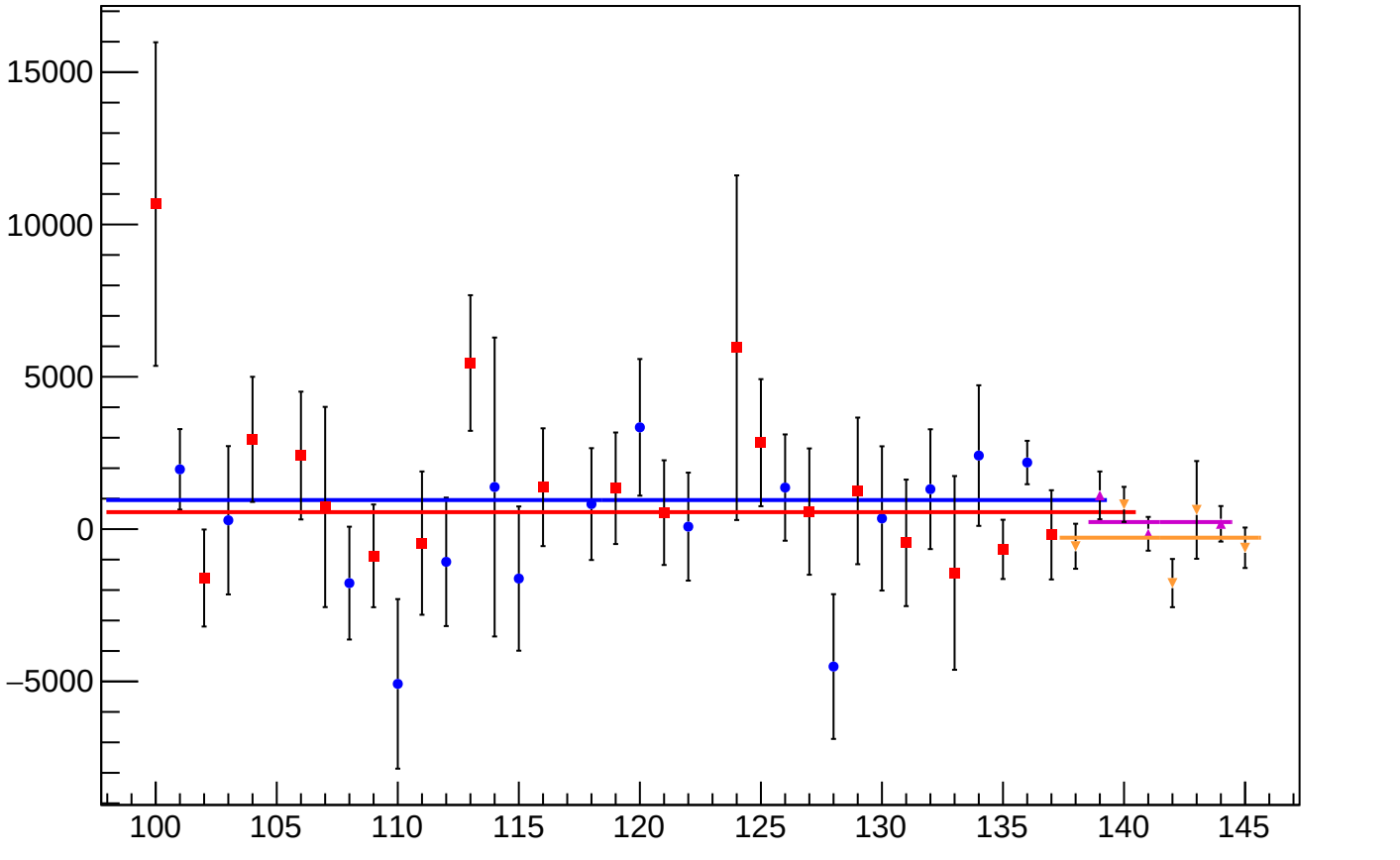
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

+ sign 1304.557+/-0.284 χ^2/NDF: 656903.7/20

All: 1298.074+/-0.204 χ^2/NDF: 990677.1/42

- sign 1291.182+/-0.292 χ^2/NDF: 332694.9/21



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

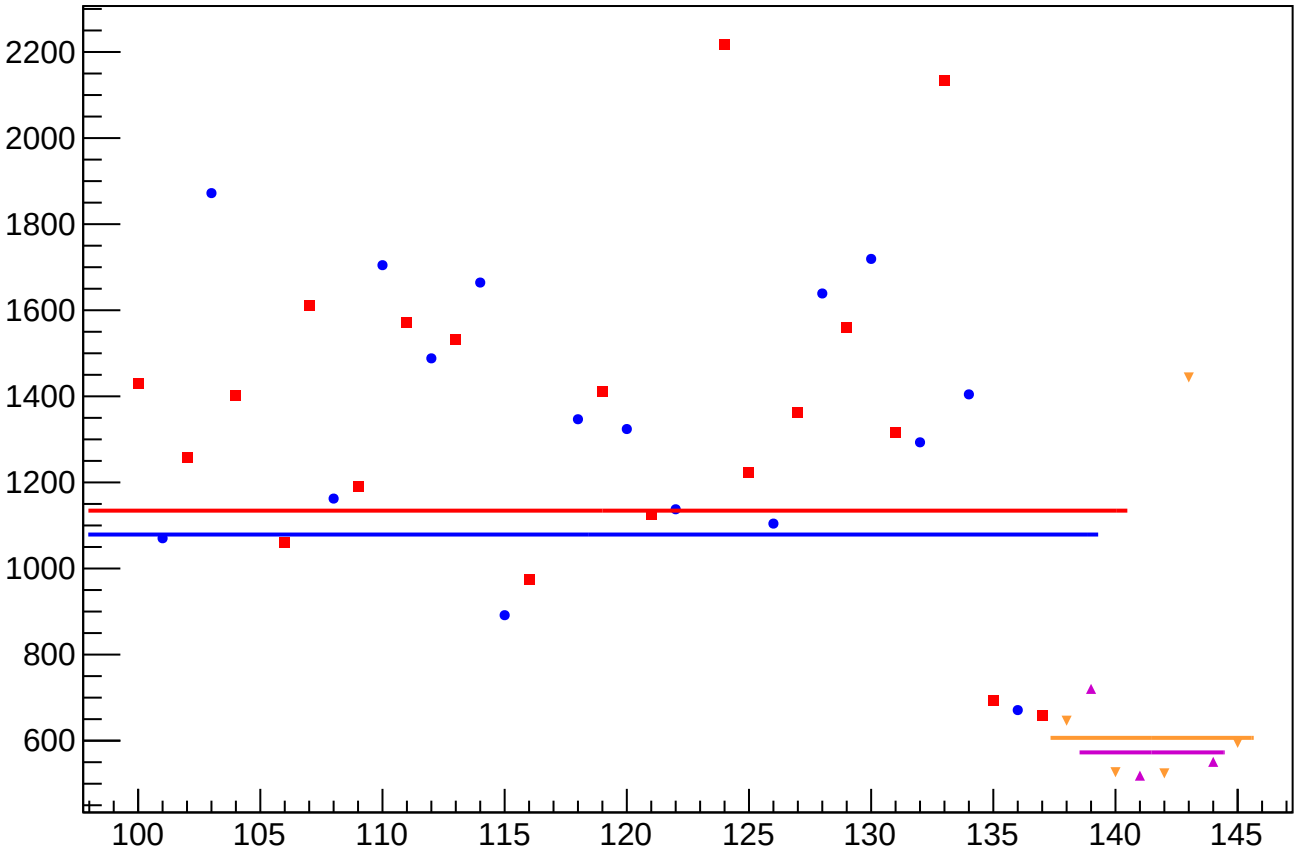
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 232.142+/-357.478 χ^2/NDF:1.7/2

+ sign 185.139+/-261.546 χ^2/NDF: 33.0/20

All: 268.020+/-190.376 χ^2/NDF: 53.6/42

- sign 361.415+/-277.640 χ^2/NDF: 20.5/21



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 606.559+/-0.234 χ^2/NDF:611841.7/4

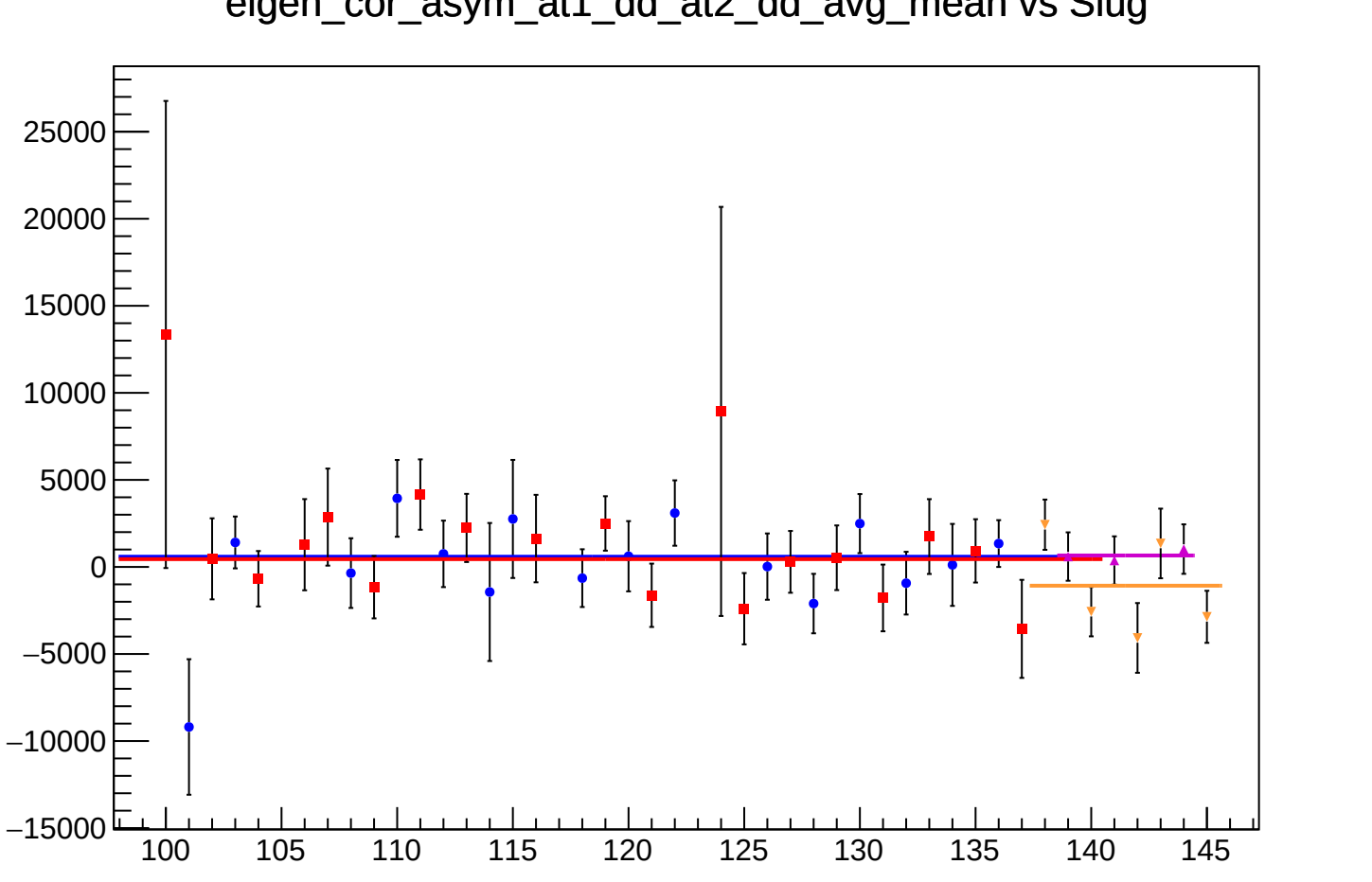
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 572.766+/-0.253 χ^2/NDF:92684.3/2

+ sign 784.901+/-0.185 χ^2/NDF: 3623703.1/20

All: 789.945+/-0.135 χ^2/NDF: 6965918.9/42

- sign 795.630+/-0.196 χ^2/NDF: 3340633.3/21



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

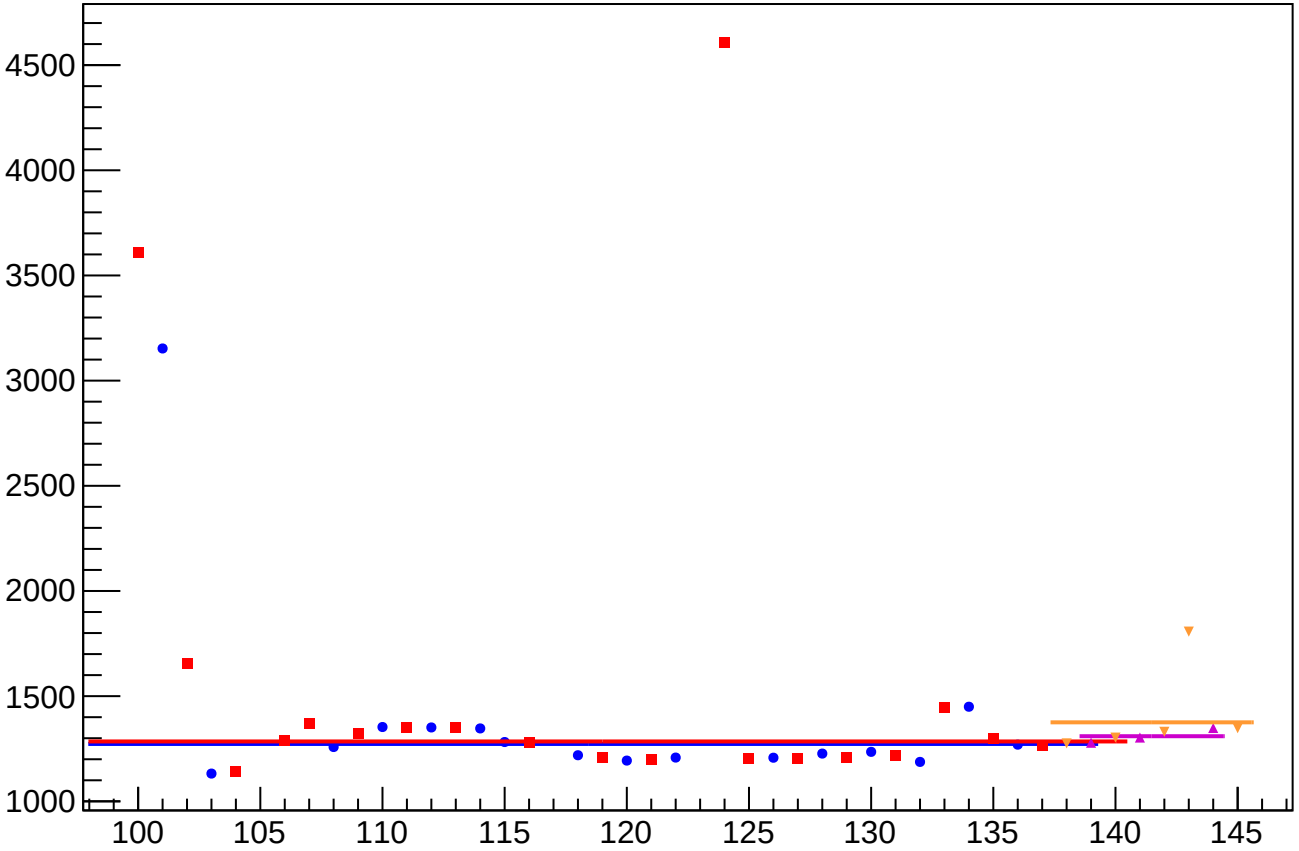
Left In: 658.531+/-807.405 χ^2/NDF:0.1/2

\+ sign 72.530+/-400.979 χ^2/NDF: 32.9/20

All: 281.426+/-287.840 χ^2/NDF: 50.4/42

\- sign 503.506+/-413.441 χ^2/NDF: 17.0/21

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

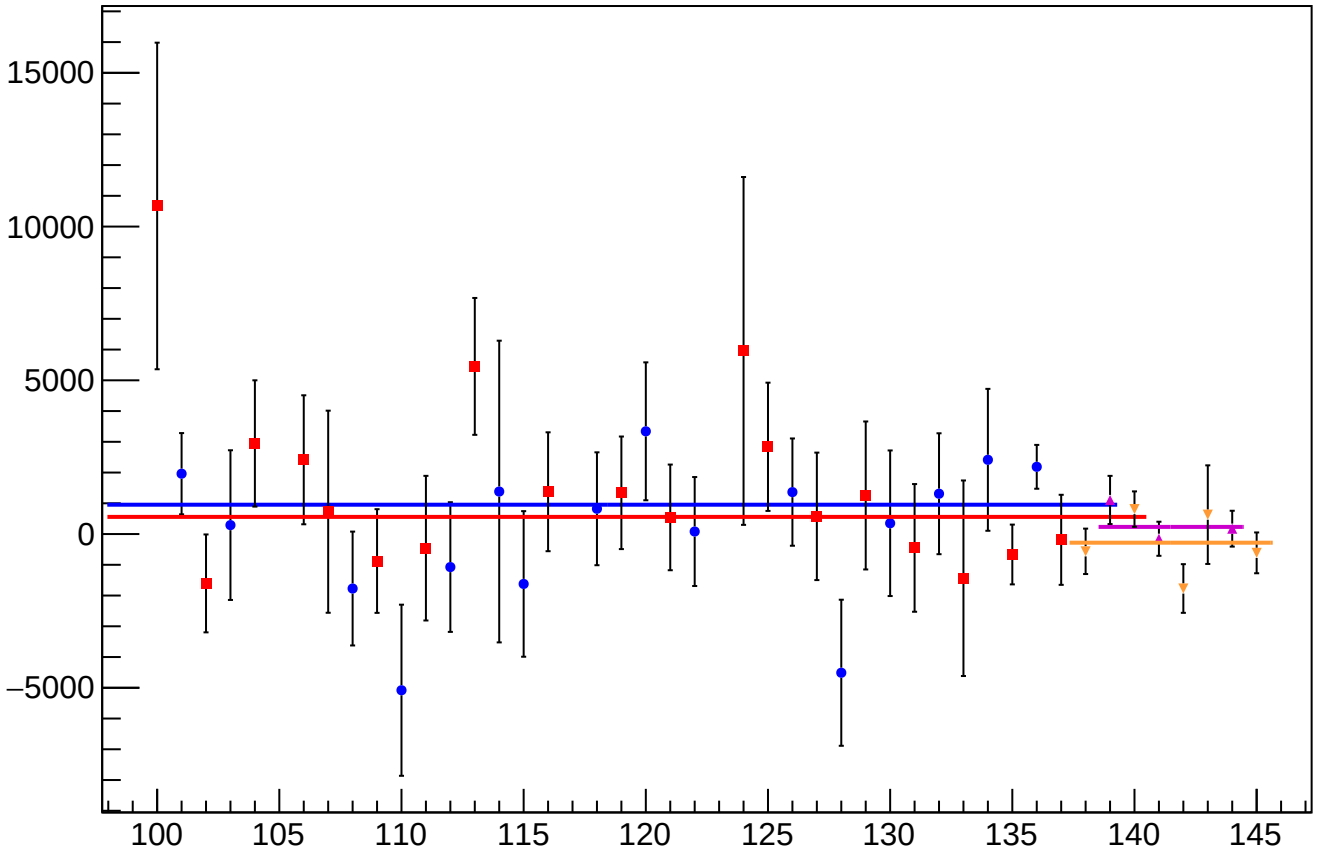
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

+ sign 1304.557+/-0.284 χ^2/NDF: 656903.7/20

All: 1298.074+/-0.204 χ^2/NDF: 990677.1/42

- sign 1291.182+/-0.292 χ^2/NDF: 332694.9/21



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

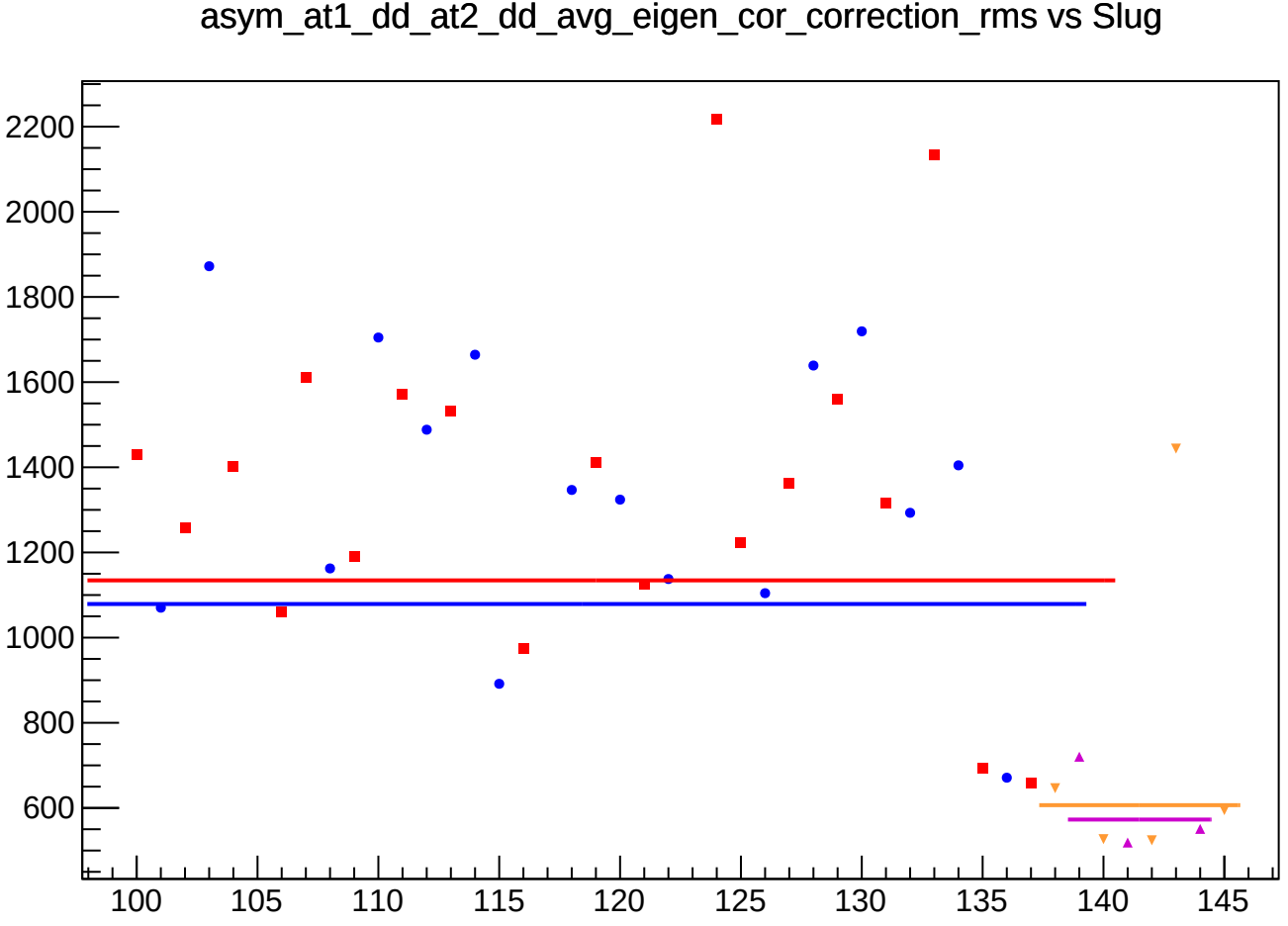
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 232.142+/-357.478 χ^2/NDF:1.7/2

+ sign 185.139+/-261.546 χ^2/NDF: 33.0/20

All: 268.020+/-190.376 χ^2/NDF: 53.6/42

- sign 361.415+/-277.640 χ^2/NDF: 20.5/21



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

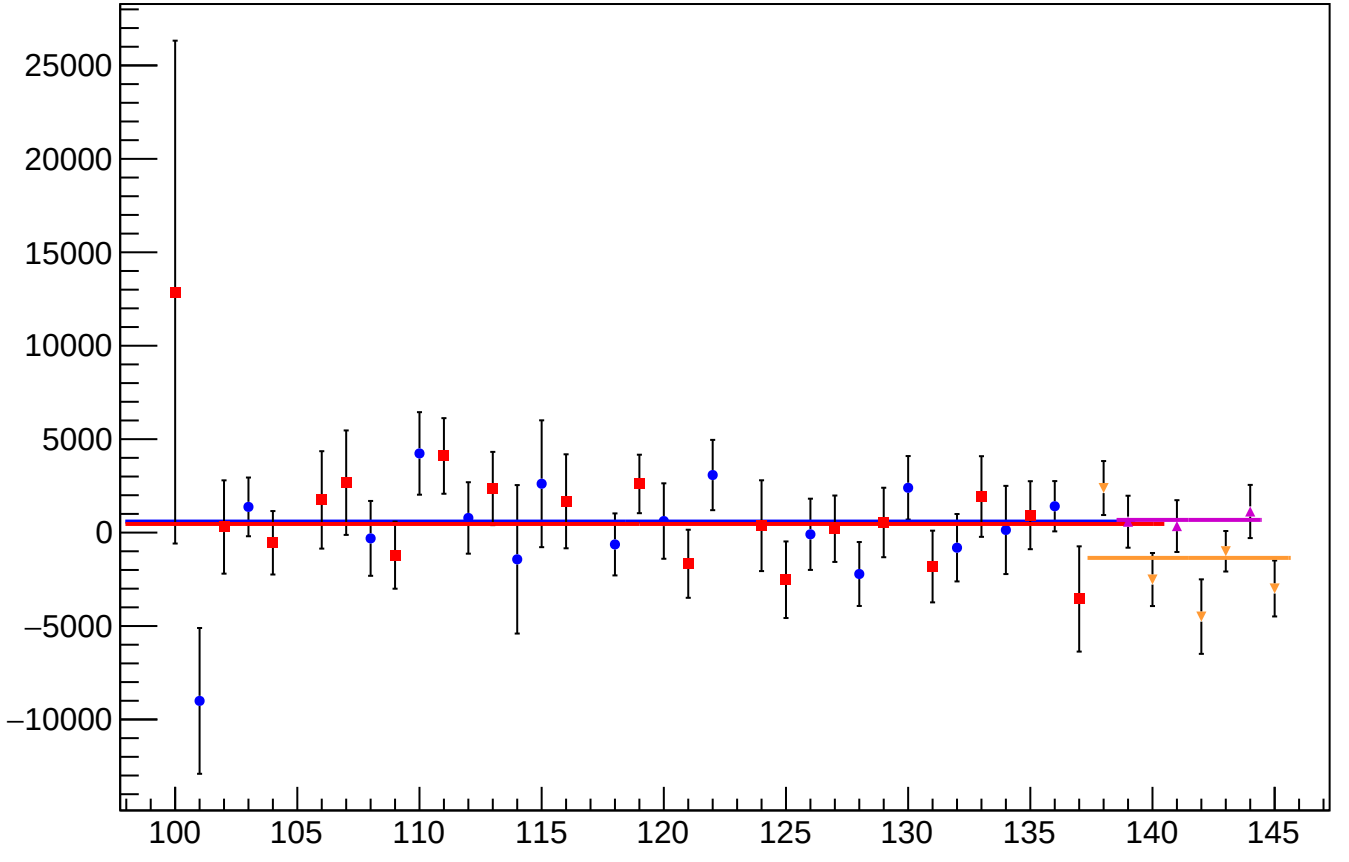
Left In: 572.766+/-0.253 χ^2/NDF:92684.3/2

+ sign 784.901+/-0.185 χ^2/NDF: 3623703.1/20

All: 789.945+/-0.135 χ^2/NDF: 6965918.9/42

- sign 795.630+/-0.196 χ^2/NDF: 3340633.3/21

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

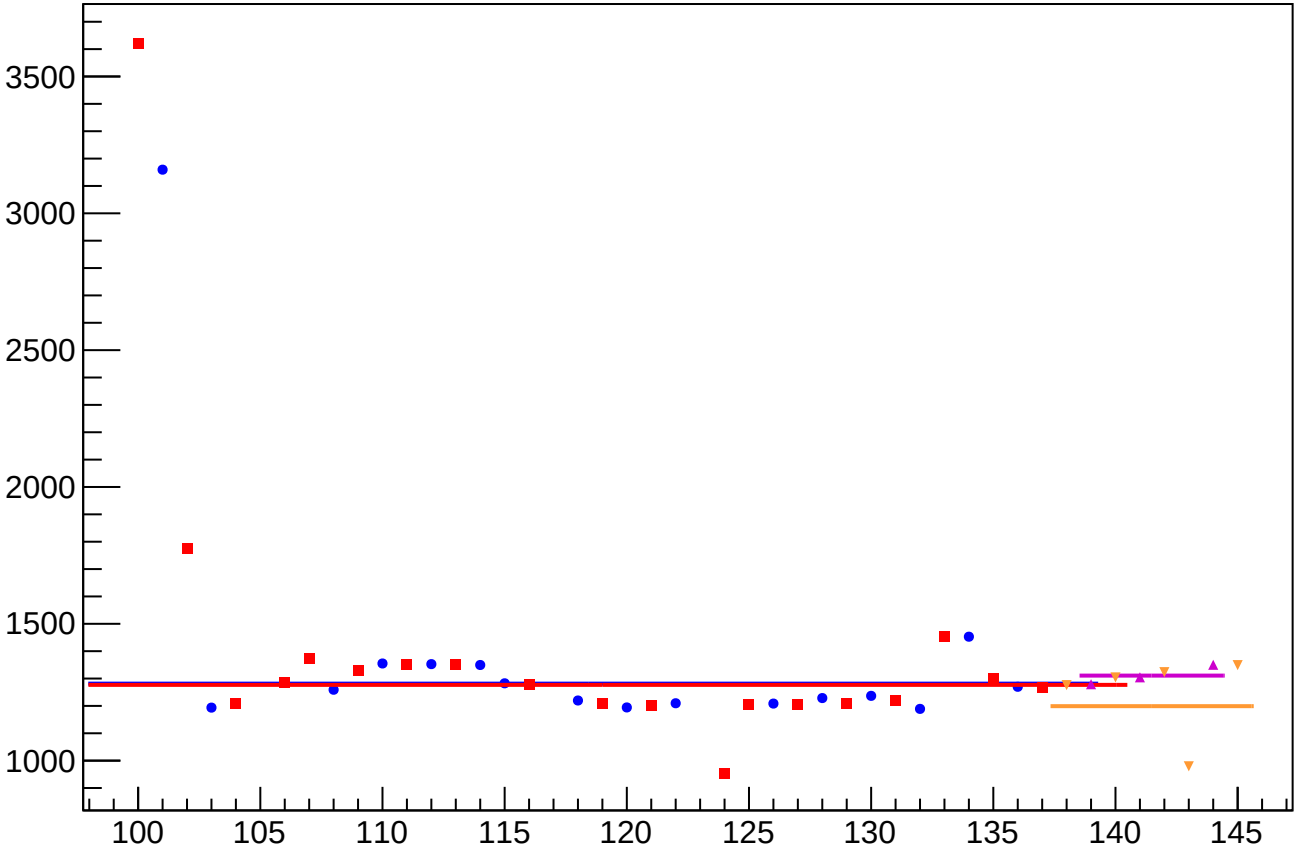
Left In: 679.280+/-808.149 χ^2/NDF:0.2/2

+ sign -134.893+/-384.422 χ^2/NDF: 34.2/20

All: 170.295+/-280.642 χ^2/NDF: 52.5/42

- sign 518.552+/-410.652 χ^2/NDF: 16.9/21

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

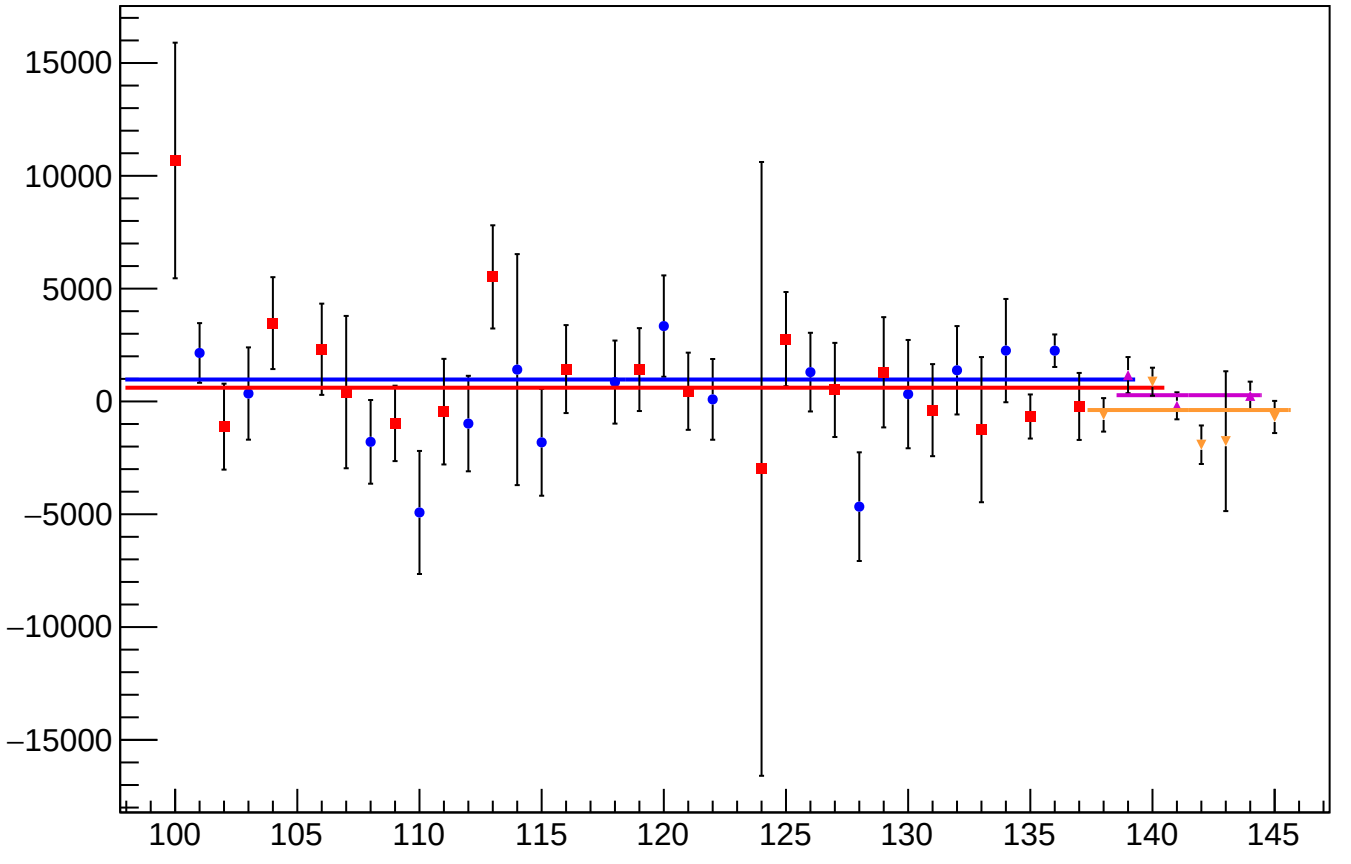
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1310.746+/-0.571 χ^2/NDF:2615.4/2

+ sign 1250.661+/-0.272 χ^2/NDF: 655194.1/20

All: 1266.983+/-0.198 χ^2/NDF: 888651.8/42

- sign 1285.609+/-0.290 χ^2/NDF: 225737.3/21



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -380.599+/-357.013 χ^2/NDF:7.8/4

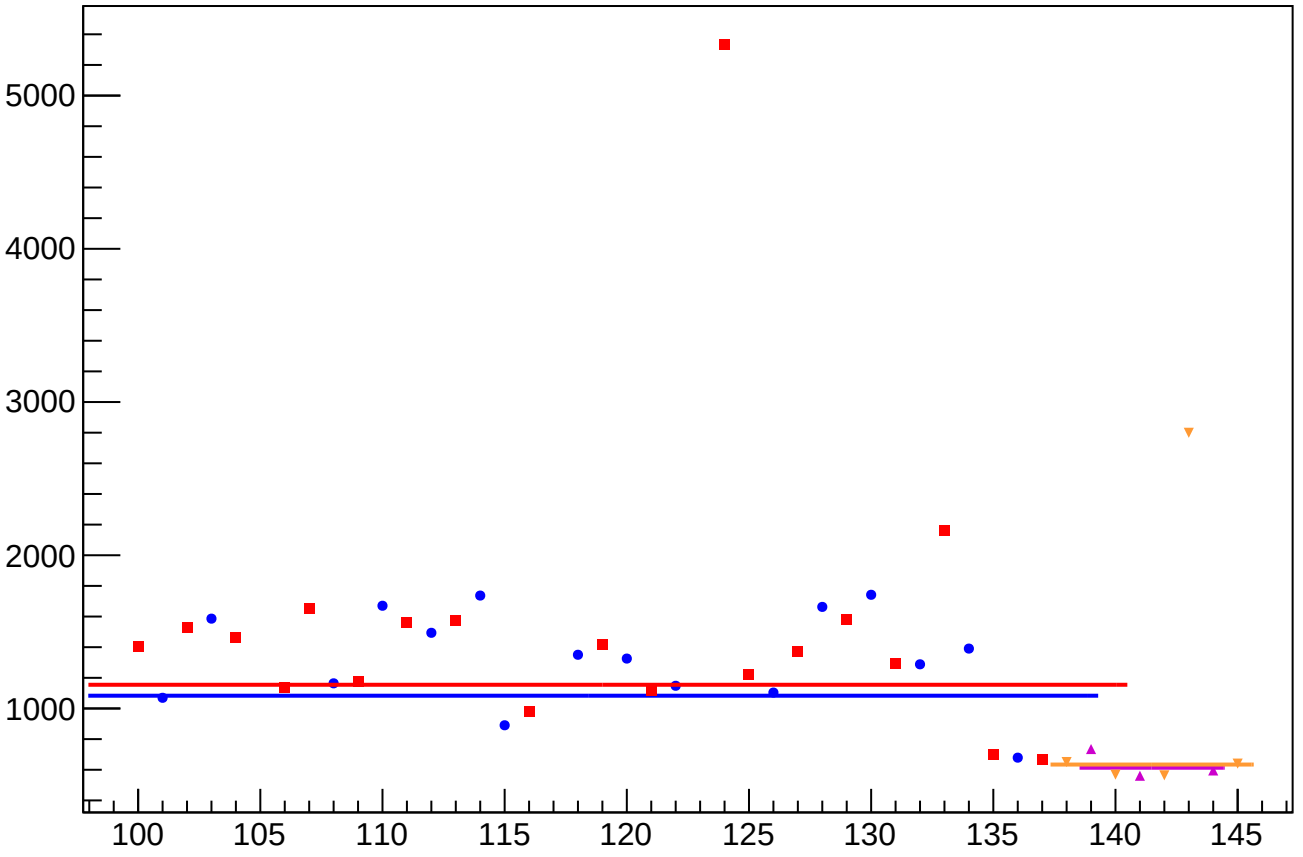
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 277.127+/-381.529 χ^2/NDF:1.9/2

+ sign 178.772+/-273.421 χ^2/NDF: 34.2/20

All: 290.484+/-199.068 χ^2/NDF: 53.8/42

- sign 416.497+/-290.396 χ^2/NDF: 19.3/21



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 634.064+/-0.252 χ^2/NDF:1013459.5/4

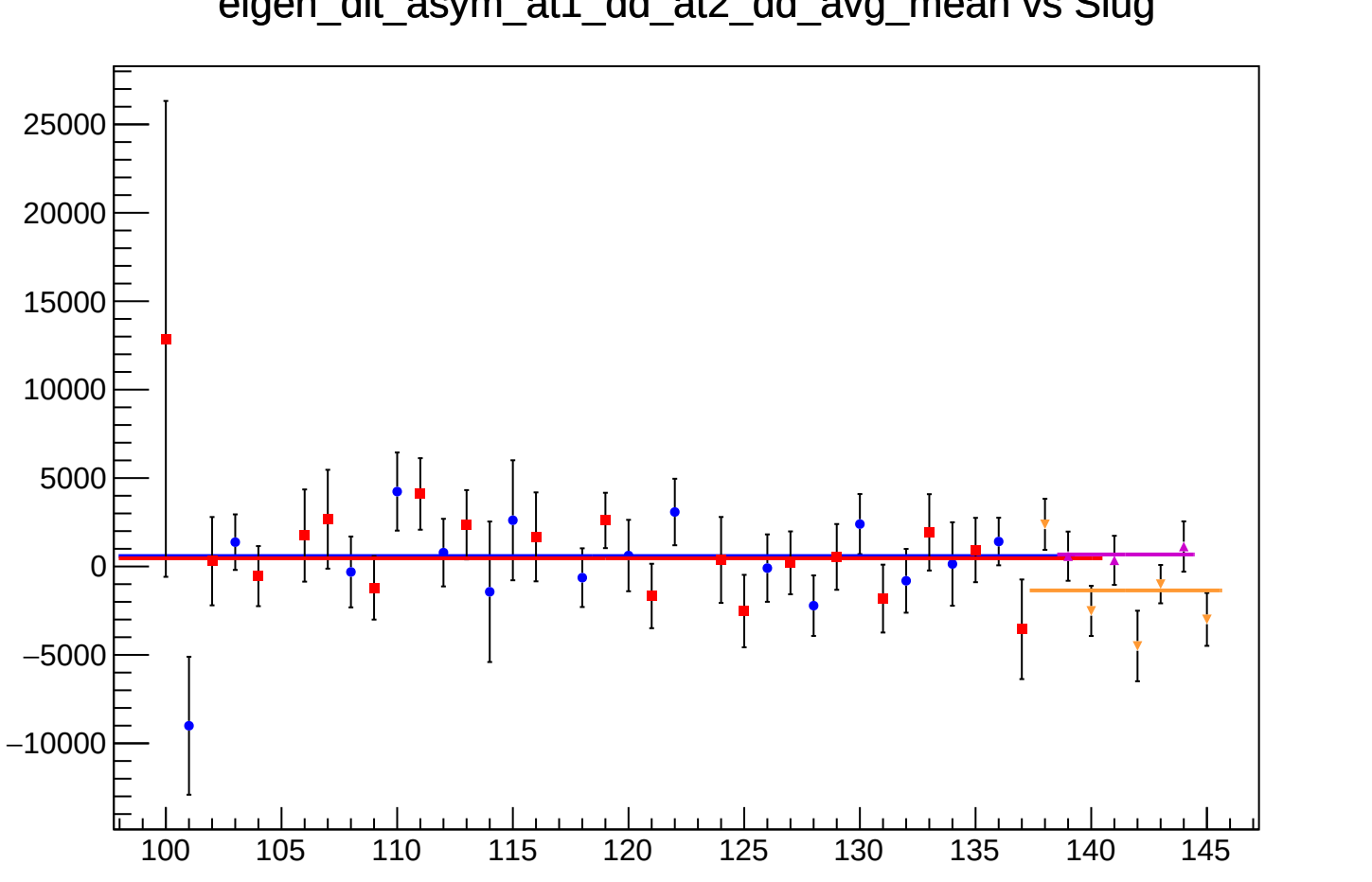
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 613.289+/-0.270 χ^2/NDF:63272.6/2

\+ sign 819.822+/-0.193 χ^2/NDF: 3683142.5/20

All: 829.799+/-0.141 χ^2/NDF: 6934760.2/42

\- sign 841.055+/-0.205 χ^2/NDF: 3245950.0/21



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

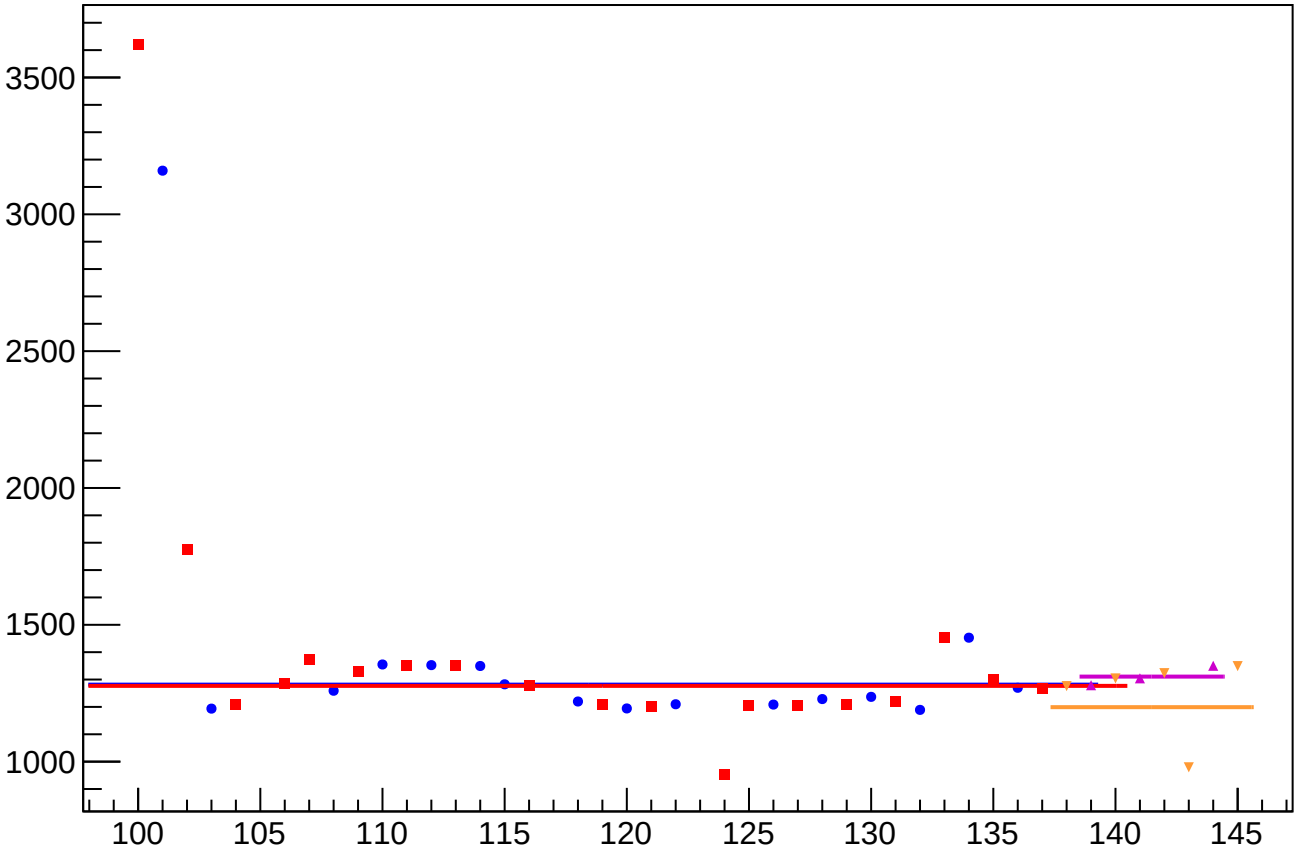
Left In: 679.288+/-808.149 χ^2/NDF:0.2/2

+ sign -134.893+/-384.422 χ^2/NDF: 34.2/20

All: 170.296+/-280.642 χ^2/NDF: 52.5/42

- sign 518.554+/-410.652 χ^2/NDF: 16.9/21

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

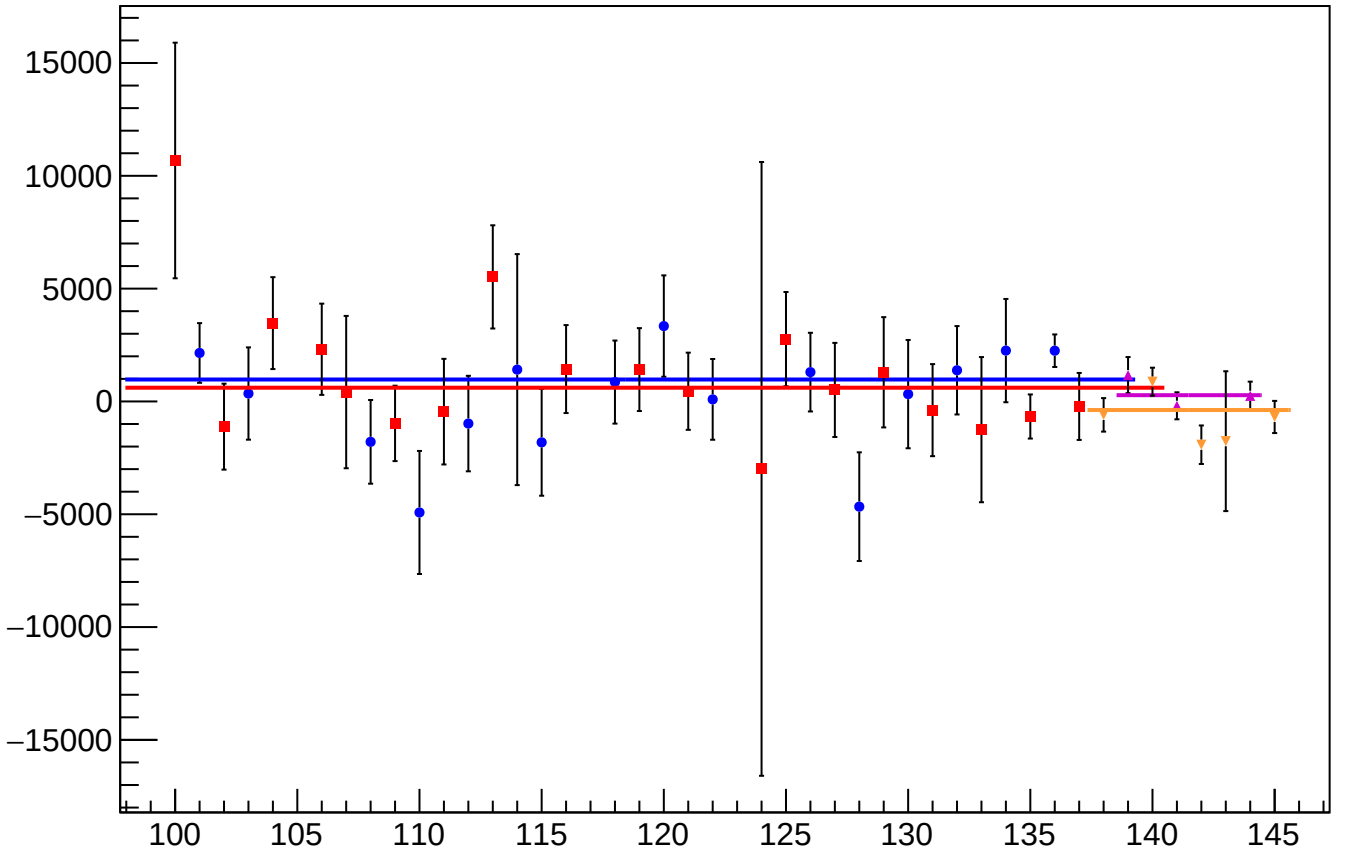
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1310.746+/-0.571 χ^2/NDF:2615.4/2

+ sign 1250.661+/-0.272 χ^2/NDF: 655193.3/20

All: 1266.983+/-0.198 χ^2/NDF: 888650.9/42

- sign 1285.609+/-0.290 χ^2/NDF: 225737.2/21



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -380.603+/-357.015 χ^2/NDF:7.8/4

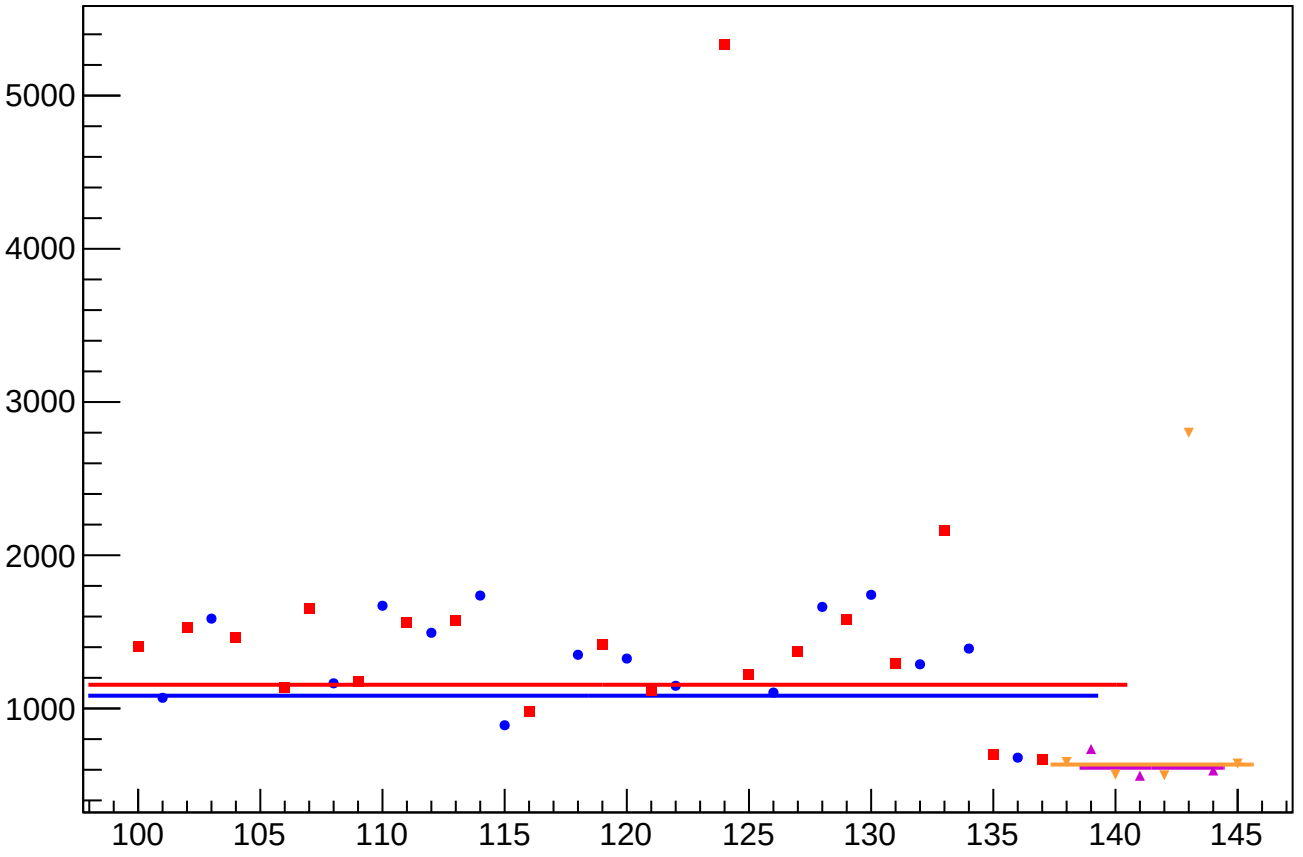
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 277.126+/-381.531 χ^2/NDF:1.9/2

\+ sign 178.768+/-273.422 χ^2/NDF: 34.2/20

All: 290.483+/-199.069 χ^2/NDF: 53.8/42

\- sign 416.500+/-290.397 χ^2/NDF: 19.3/21



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

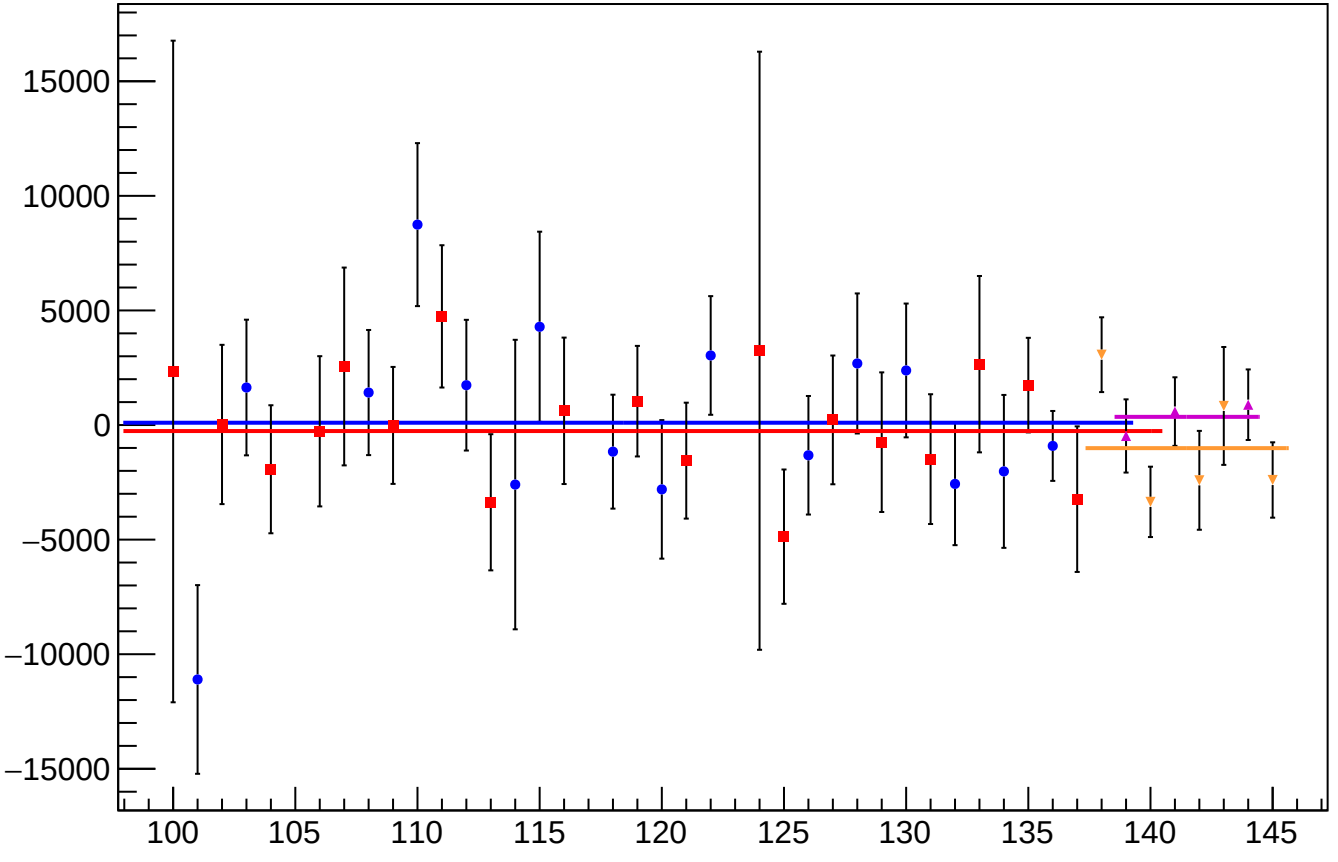
Left In: 613.291+/-0.270 χ^2/NDF:63279.1/2

\+ sign 819.827+/-0.193 χ^2/NDF: 3683088.3/20

All: 829.804+/-0.141 χ^2/NDF: 6934678.3/42

\- sign 841.059+/-0.205 χ^2/NDF: 3245922.8/21

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

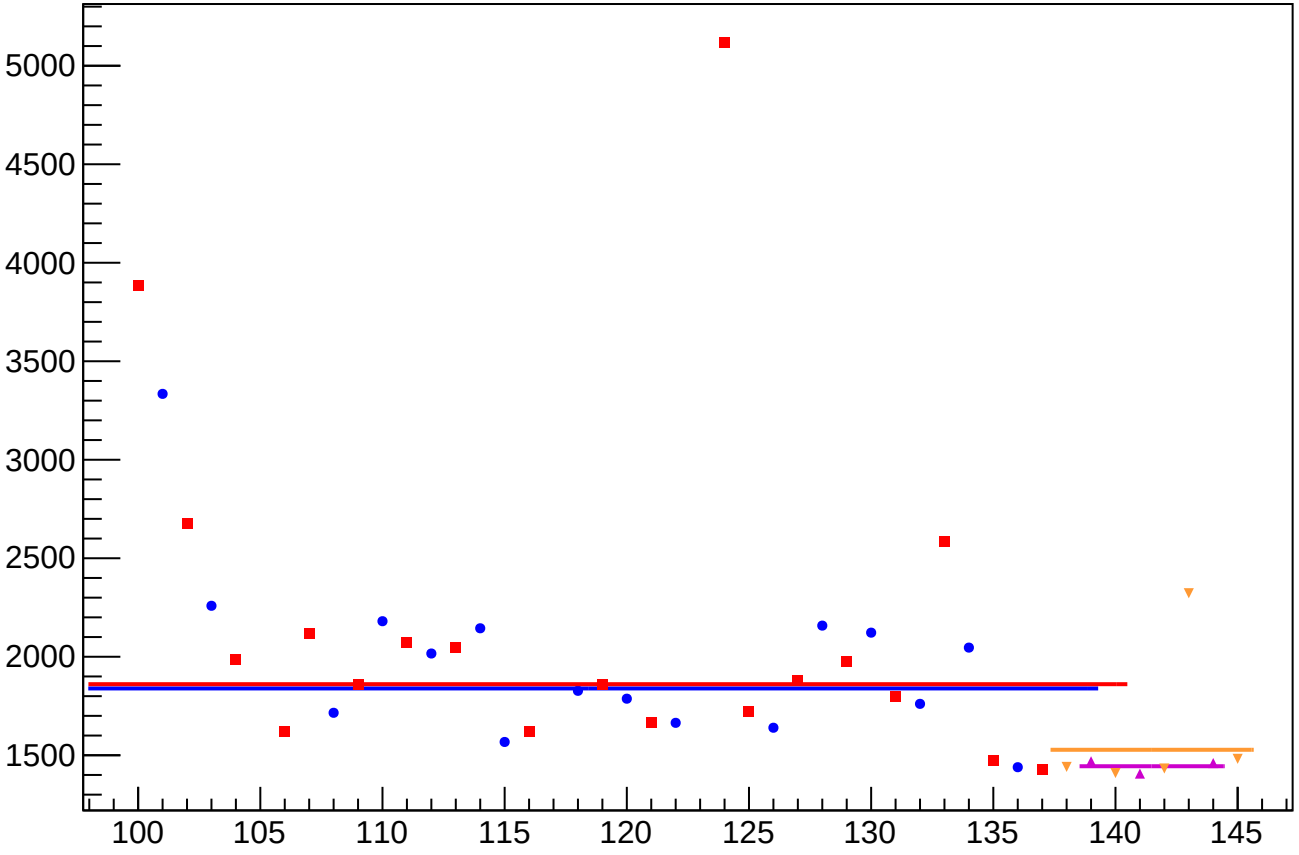
Left In: 356.727+/-890.495 χ^2/NDF:0.4/2

+ sign -374.990+/-528.315 χ^2/NDF: 32.6/20

All: -207.696+/-381.074 χ^2/NDF: 43.9/42

- sign -26.261+/-550.191 χ^2/NDF: 11.0/21

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

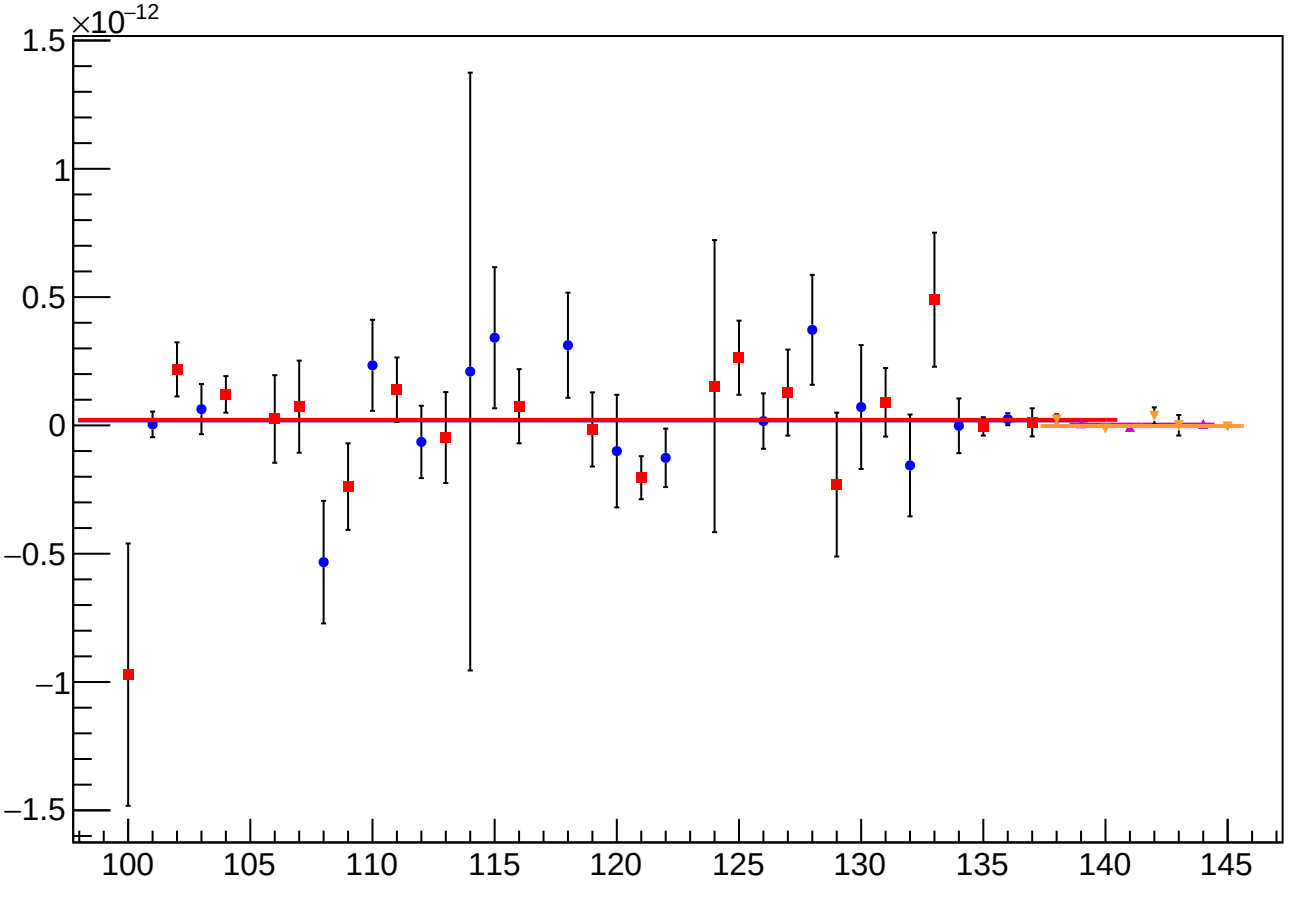
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1444.268+/-0.630 χ^2/NDF:1963.8/2

+ sign 1705.636+/-0.374 χ^2/NDF: 940673.3/20

All: 1703.780+/-0.269 χ^2/NDF: 1735287.9/42

- sign 1701.768+/-0.389 χ^2/NDF: 794563.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

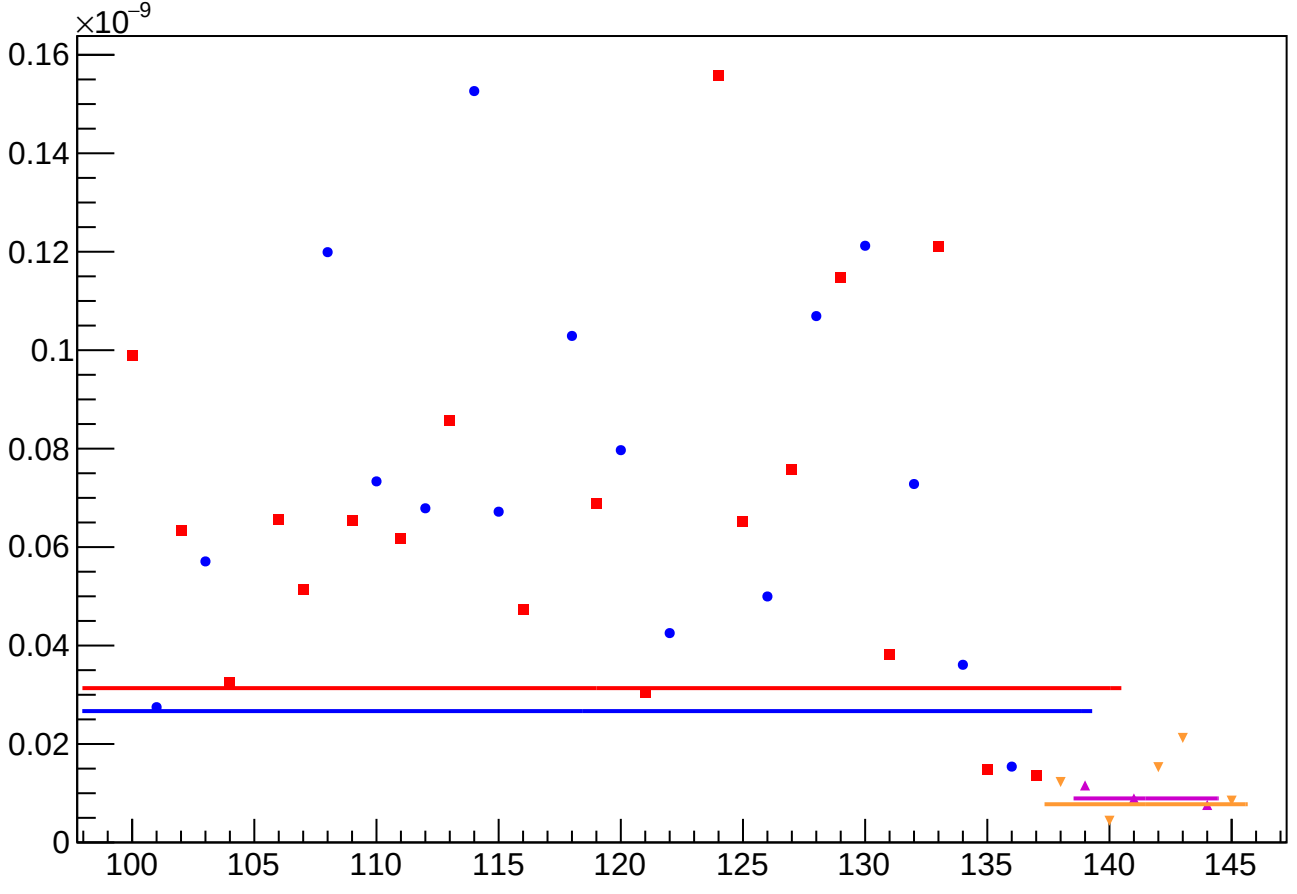
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/20

All: 0.000+/-0.000 χ^2/NDF: 51.0/42

- sign 0.000+/-0.000 χ^2/NDF: 29.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:629833.4/4

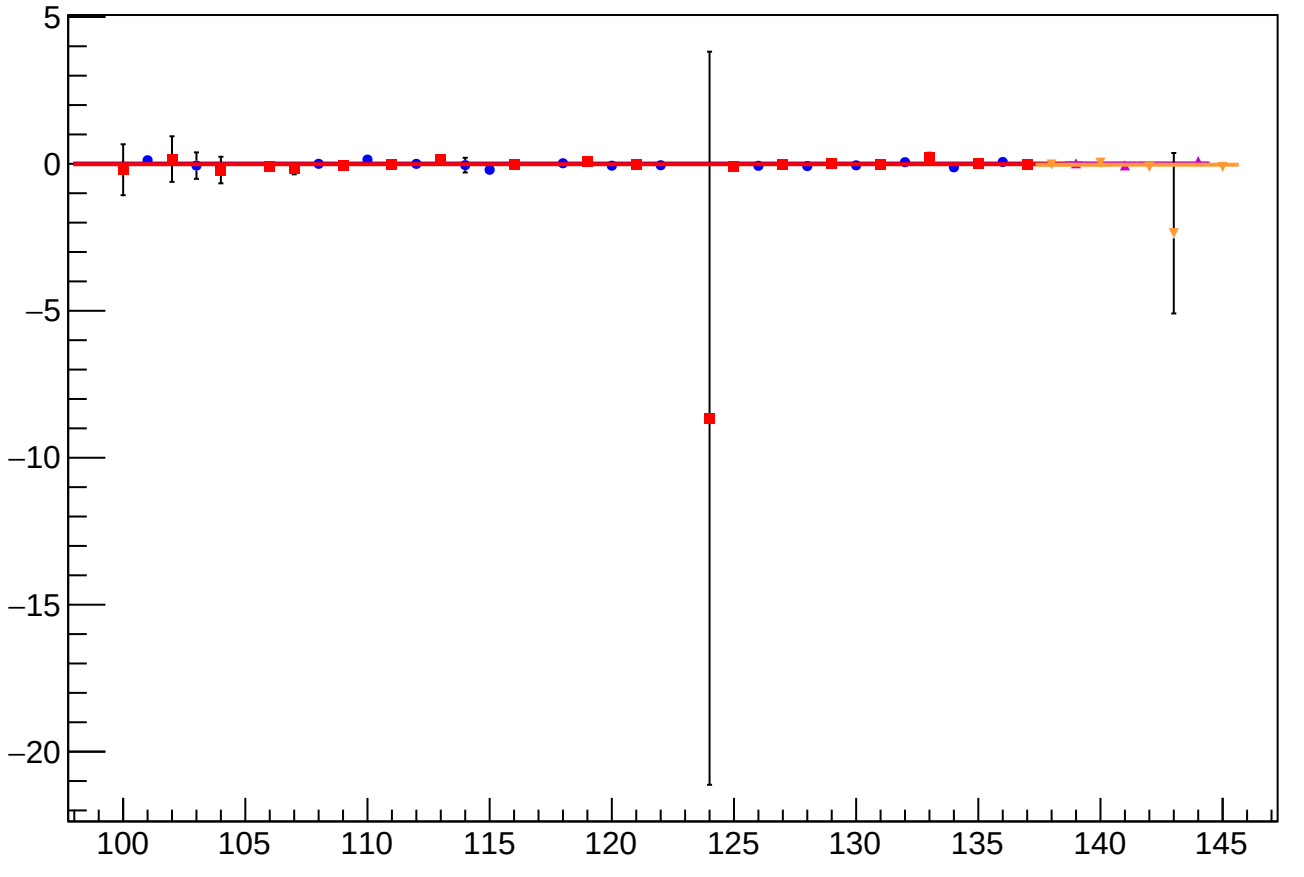
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:59789.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 4947520.3/20

All: 0.000+/-0.000 χ^2/NDF: 9062229.9/42

- sign 0.000+/-0.000 χ^2/NDF: 4069138.1/21



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

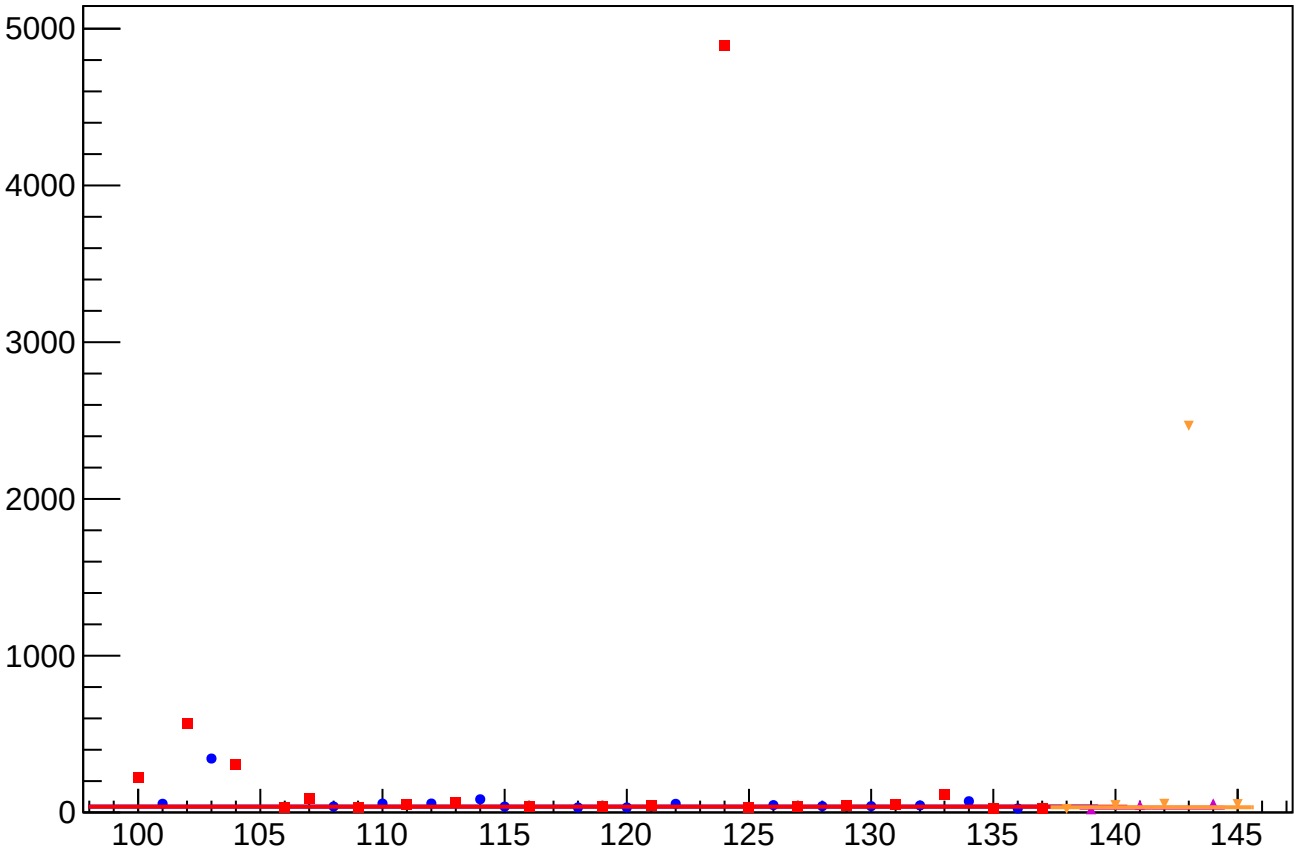
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.023 χ^2/NDF:3.3/2

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.004+/-0.009 χ^2/NDF: 42.8/42

- sign -0.003+/-0.013 χ^2/NDF: 16.8/21



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.091+/-0.016 χ^2/NDF:2371298.2/4

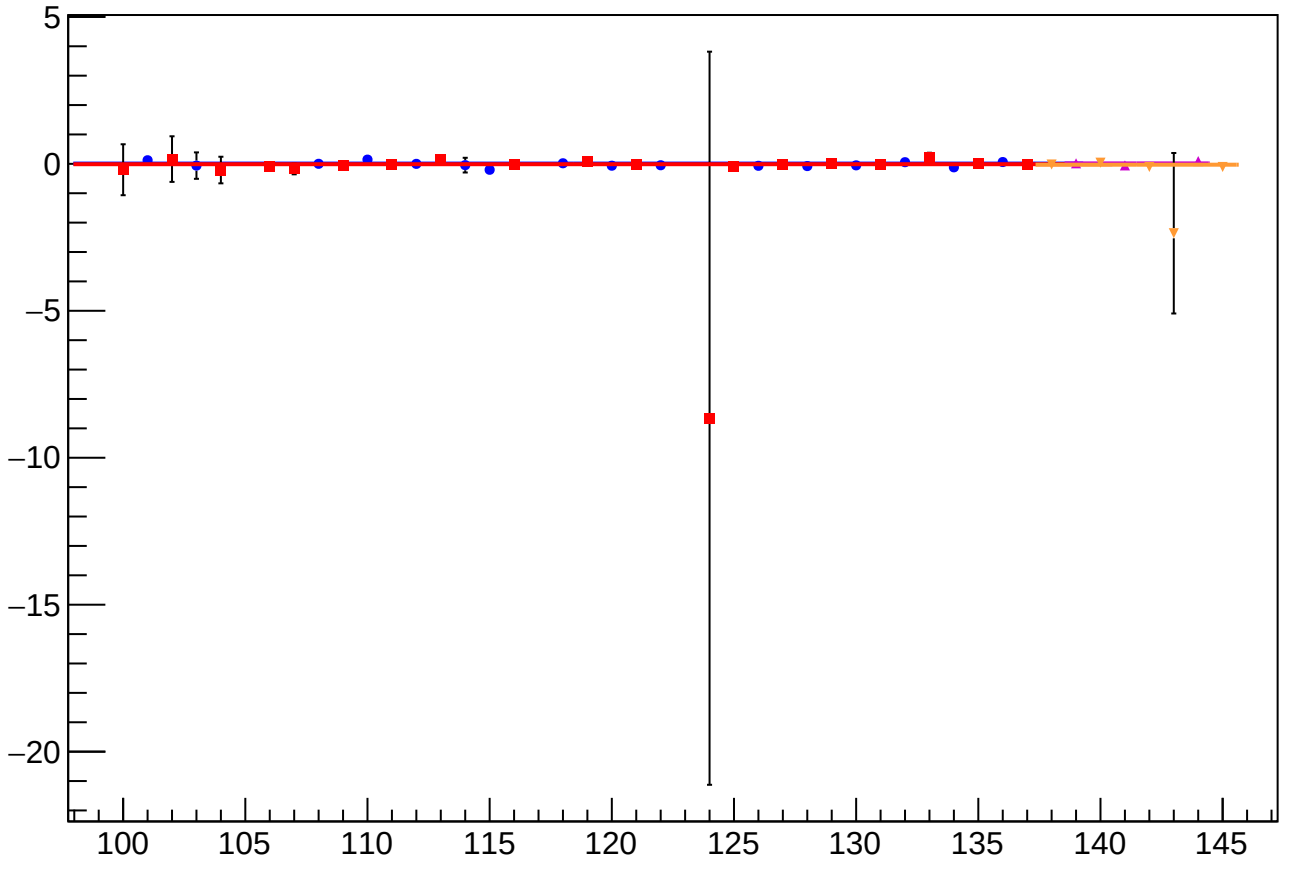
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 30.222+/-0.016 χ^2/NDF:858946.8/2

+ sign 36.007+/-0.009 χ^2/NDF: 4405254.3/20

All: 35.255+/-0.007 χ^2/NDF: 8577433.9/42

- sign 34.467+/-0.009 χ^2/NDF: 4158656.1/21



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

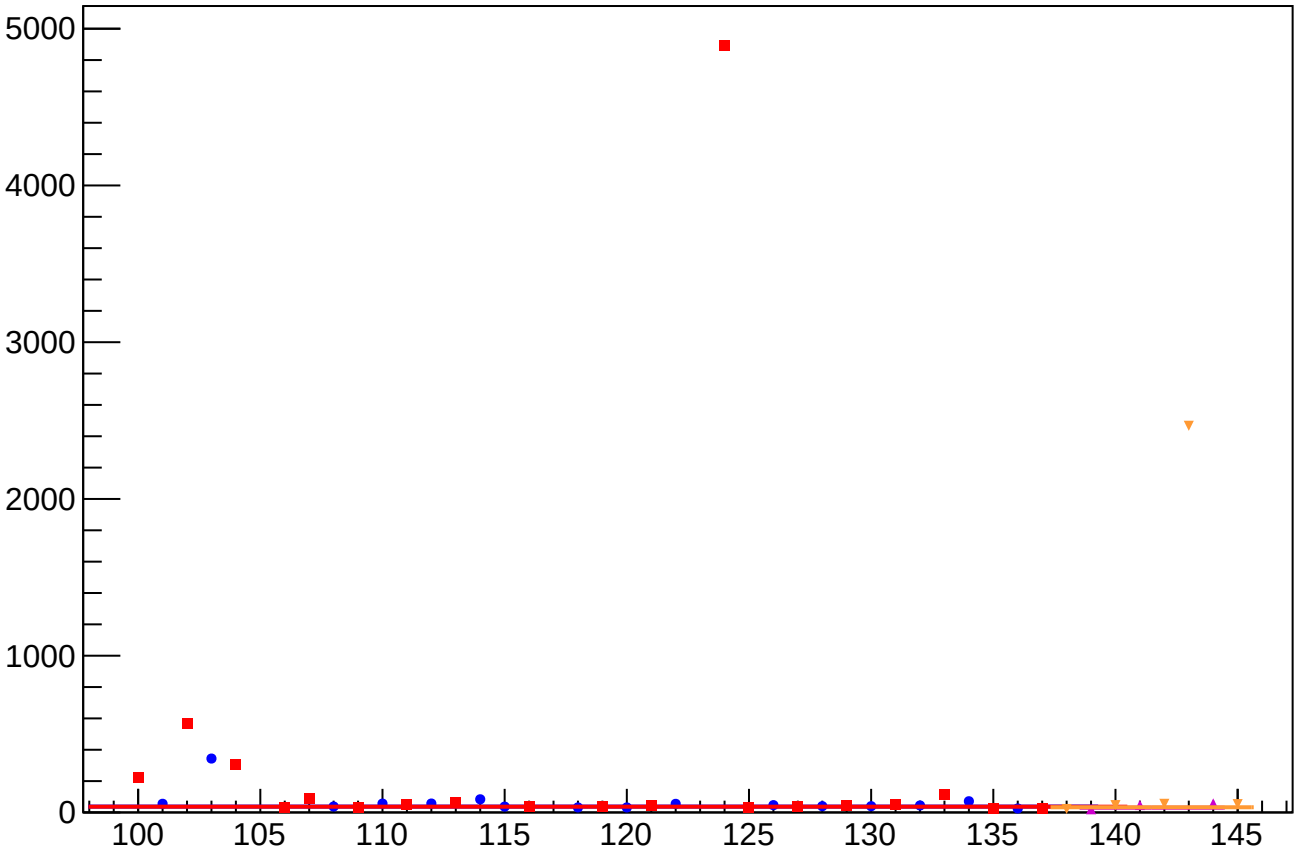
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.023 χ^2/NDF:3.3/2

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.004+/-0.009 χ^2/NDF: 42.8/42

- sign -0.003+/-0.013 χ^2/NDF: 16.8/21



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.091+/-0.016 χ^2/NDF:2371298.2/4

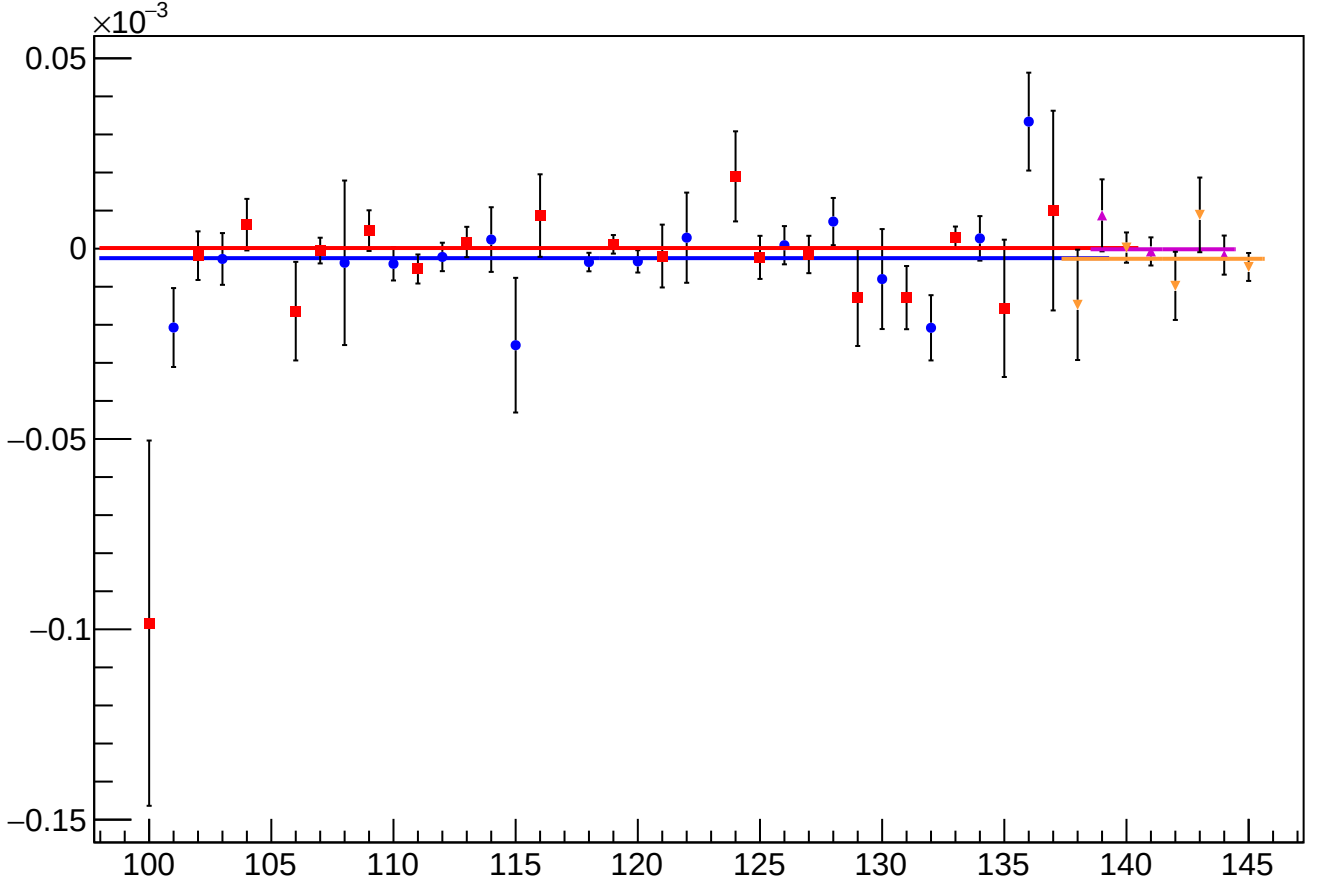
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 30.222+/-0.016 χ^2/NDF:858946.8/2

+ sign 36.007+/-0.009 χ^2/NDF: 4405254.3/20

All: 35.255+/-0.007 χ^2/NDF: 8577433.9/42

- sign 34.467+/-0.009 χ^2/NDF: 4158656.1/21



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

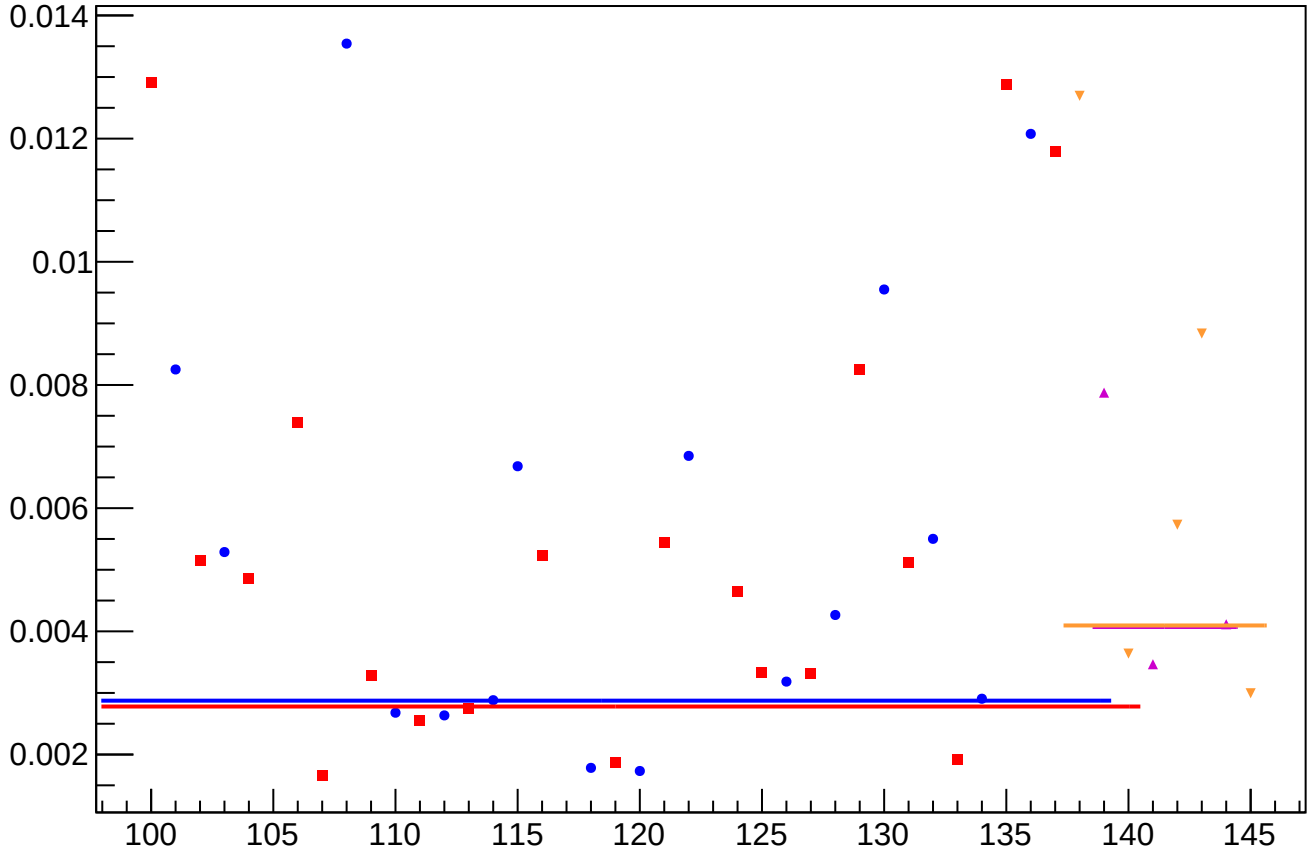
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/20

All: -0.000+/-0.000 χ^2/NDF: 48.1/42

- sign 0.000+/-0.000 χ^2/NDF: 19.9/21



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1444443.2/4

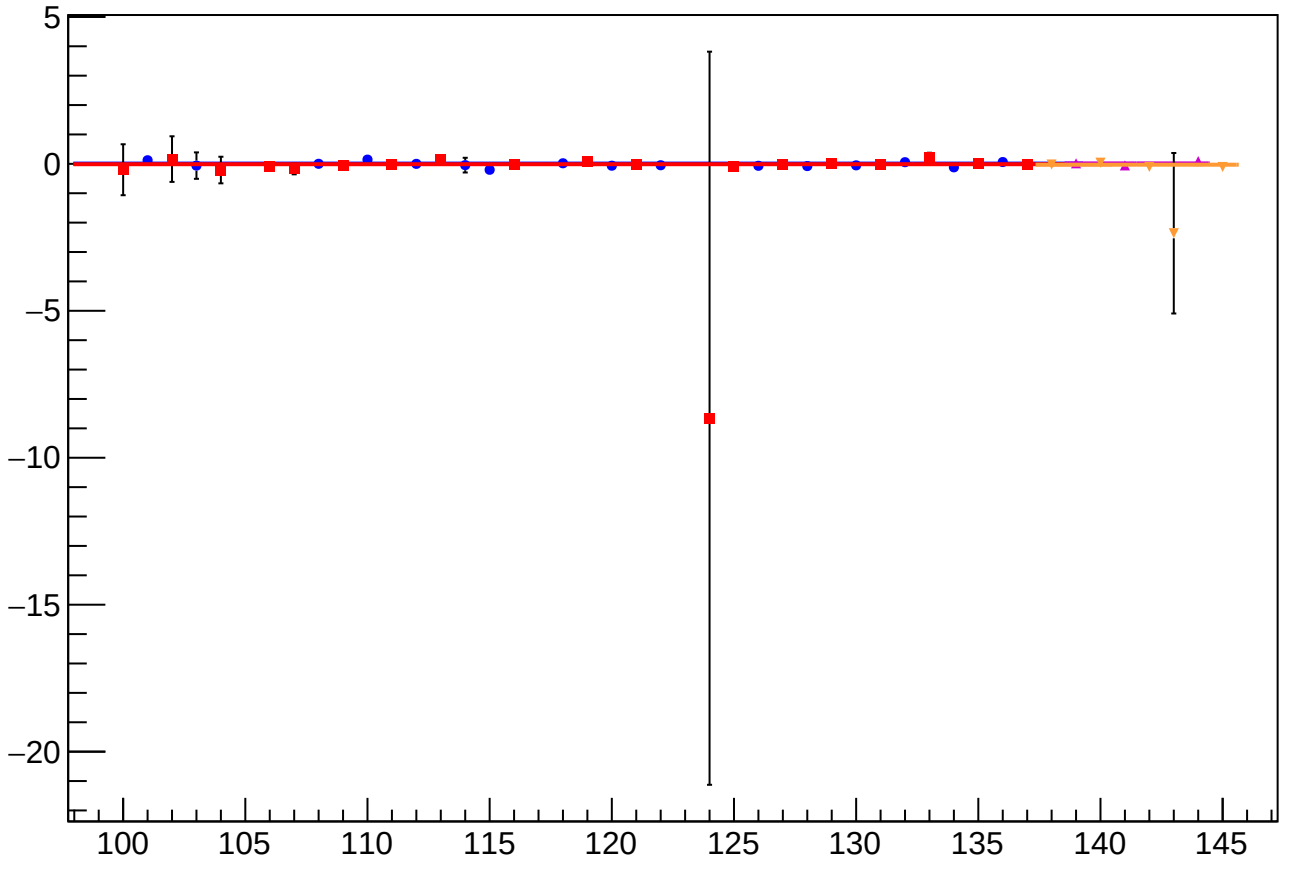
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:377473.0/2

+ sign 0.003+/-0.000 χ^2/NDF: 5980670.4/20

All: 0.003+/-0.000 χ^2/NDF: 10043209.1/42

- sign 0.003+/-0.000 χ^2/NDF: 4037570.3/21



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

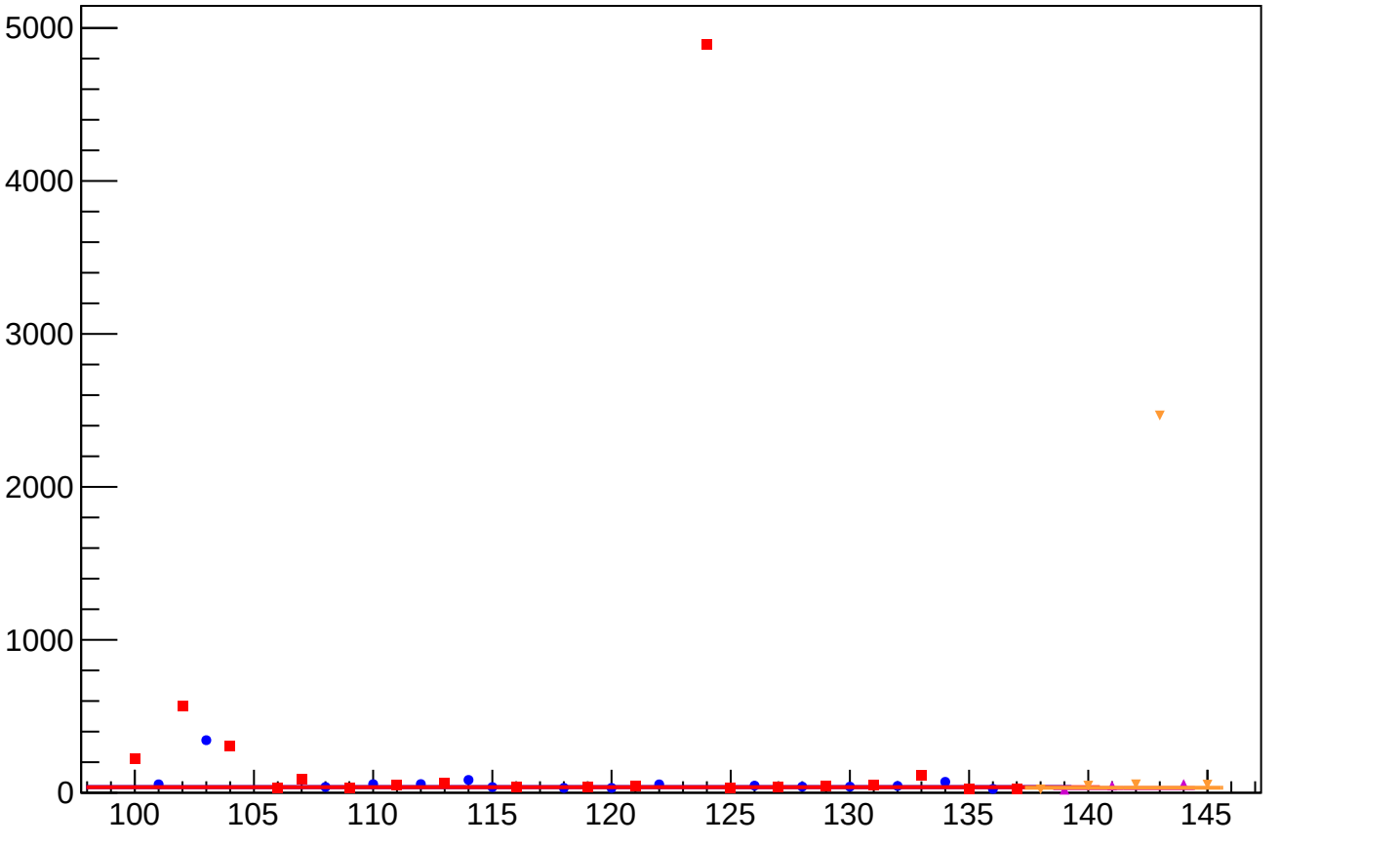
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.023 χ^2/NDF:3.3/2

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.004+/-0.009 χ^2/NDF: 42.8/42

- sign -0.003+/-0.013 χ^2/NDF: 16.8/21



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

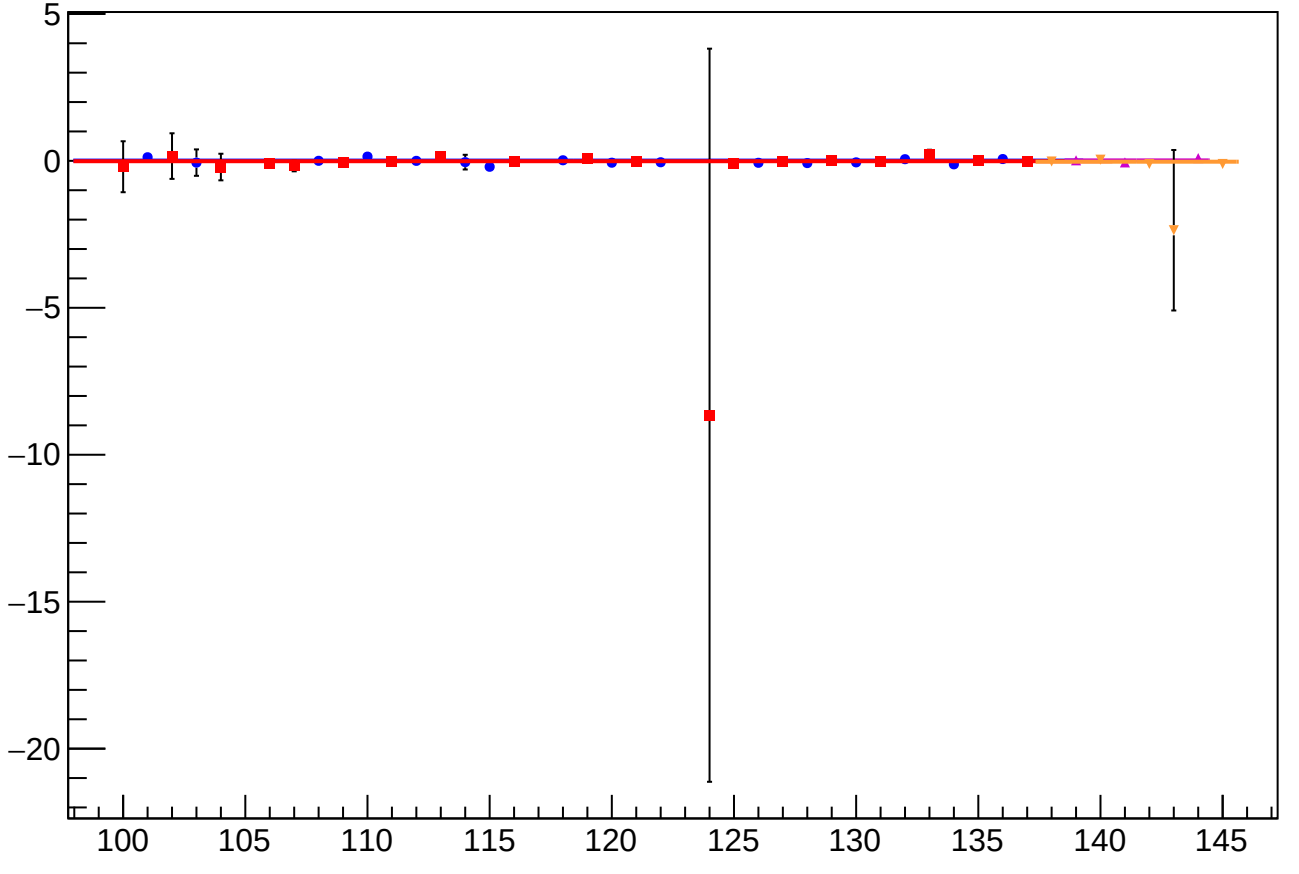
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 30.232+/-0.016 χ^2/NDF:858389.9/2

+ sign 36.005+/-0.009 χ^2/NDF: 4405626.9/20

All: 35.256+/-0.007 χ^2/NDF: 8576525.5/42

- sign 34.473+/-0.009 χ^2/NDF: 4157487.9/21



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.029+/-0.023 χ^2/NDF:4.9/4

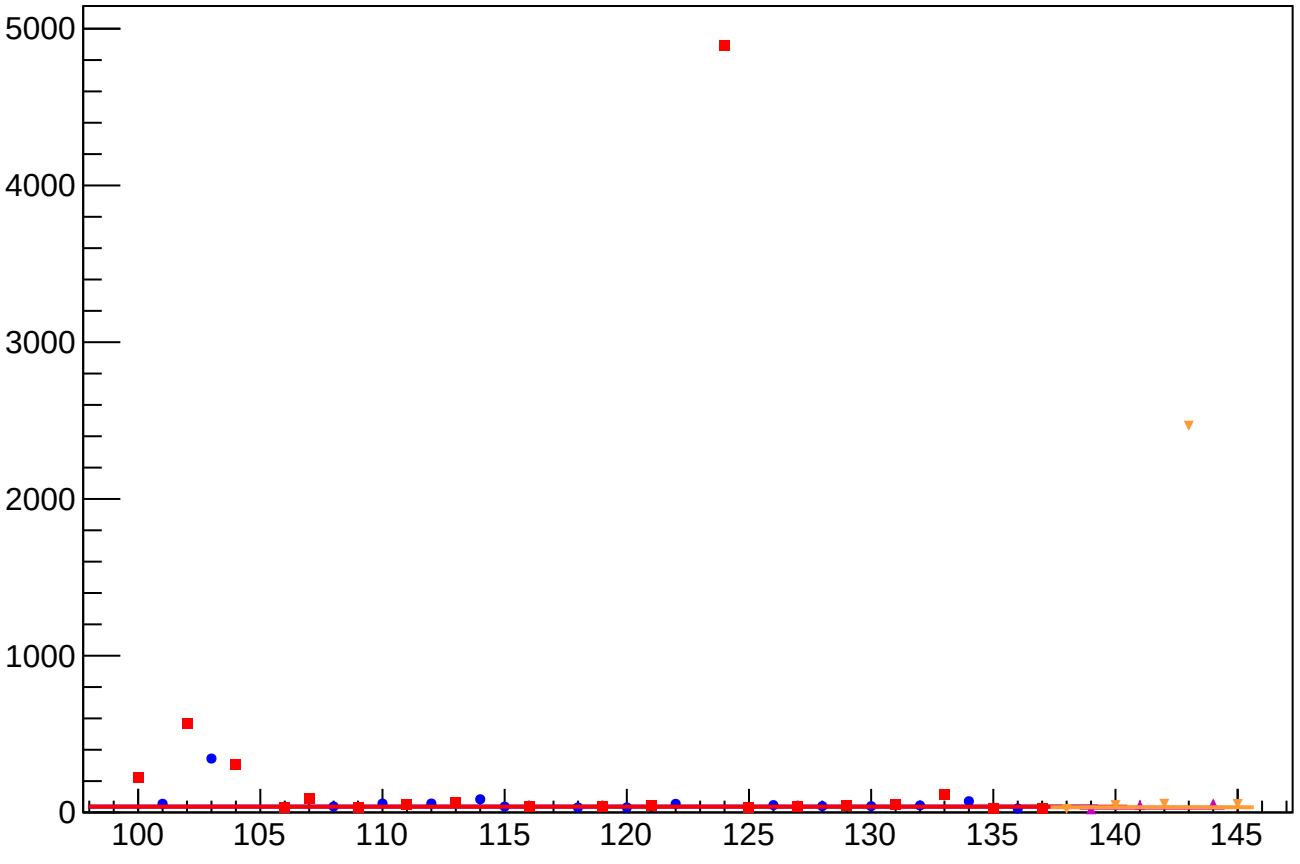
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.023 χ^2/NDF:3.3/2

+ sign -0.004+/-0.013 χ^2/NDF: 26.0/20

All: -0.004+/-0.009 χ^2/NDF: 42.8/42

- sign -0.003+/-0.013 χ^2/NDF: 16.8/21



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

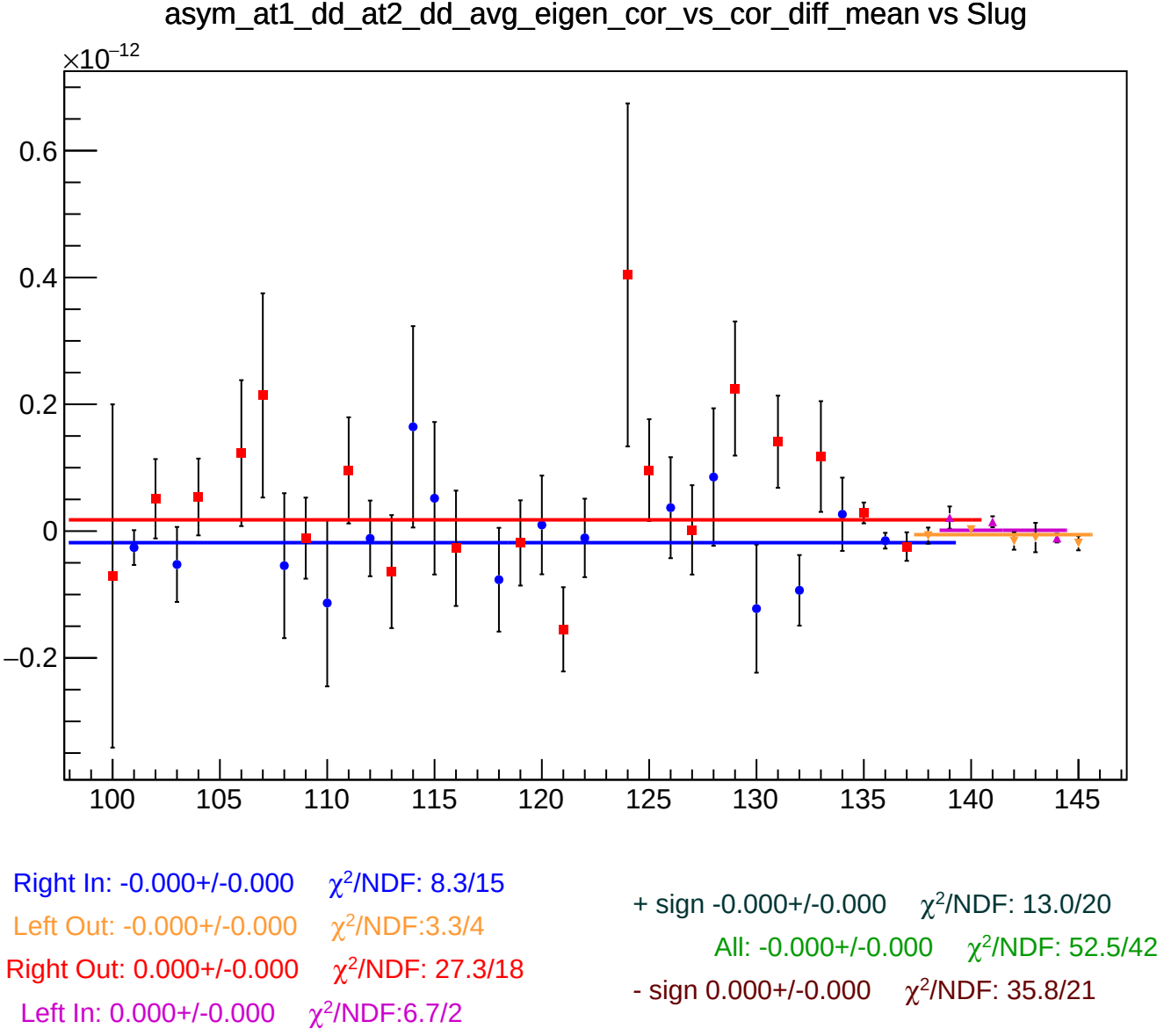
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

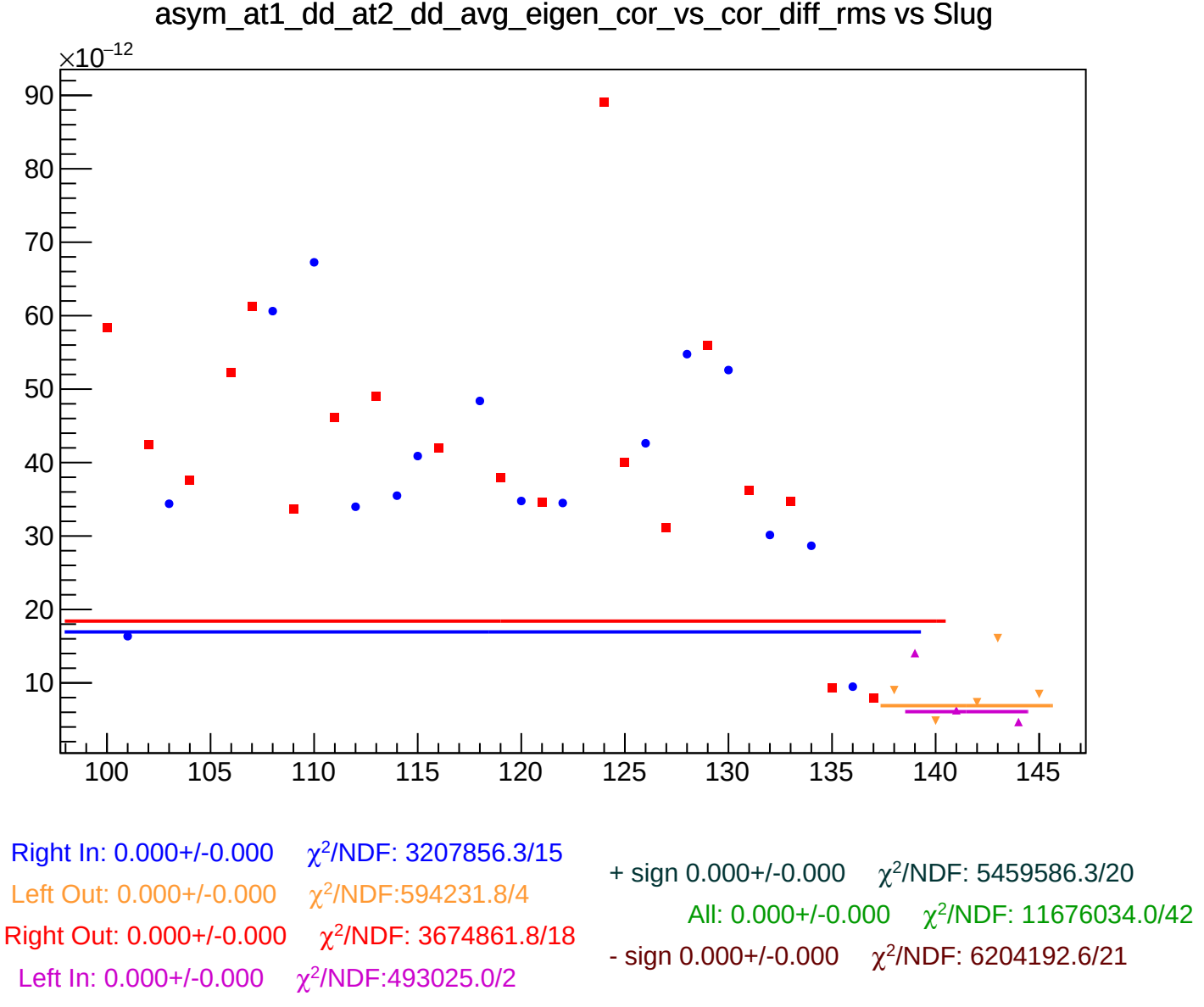
Left In: 30.232+/-0.016 χ^2/NDF:858389.9/2

\+ sign 36.005+/-0.009 χ^2/NDF: 4405626.9/20

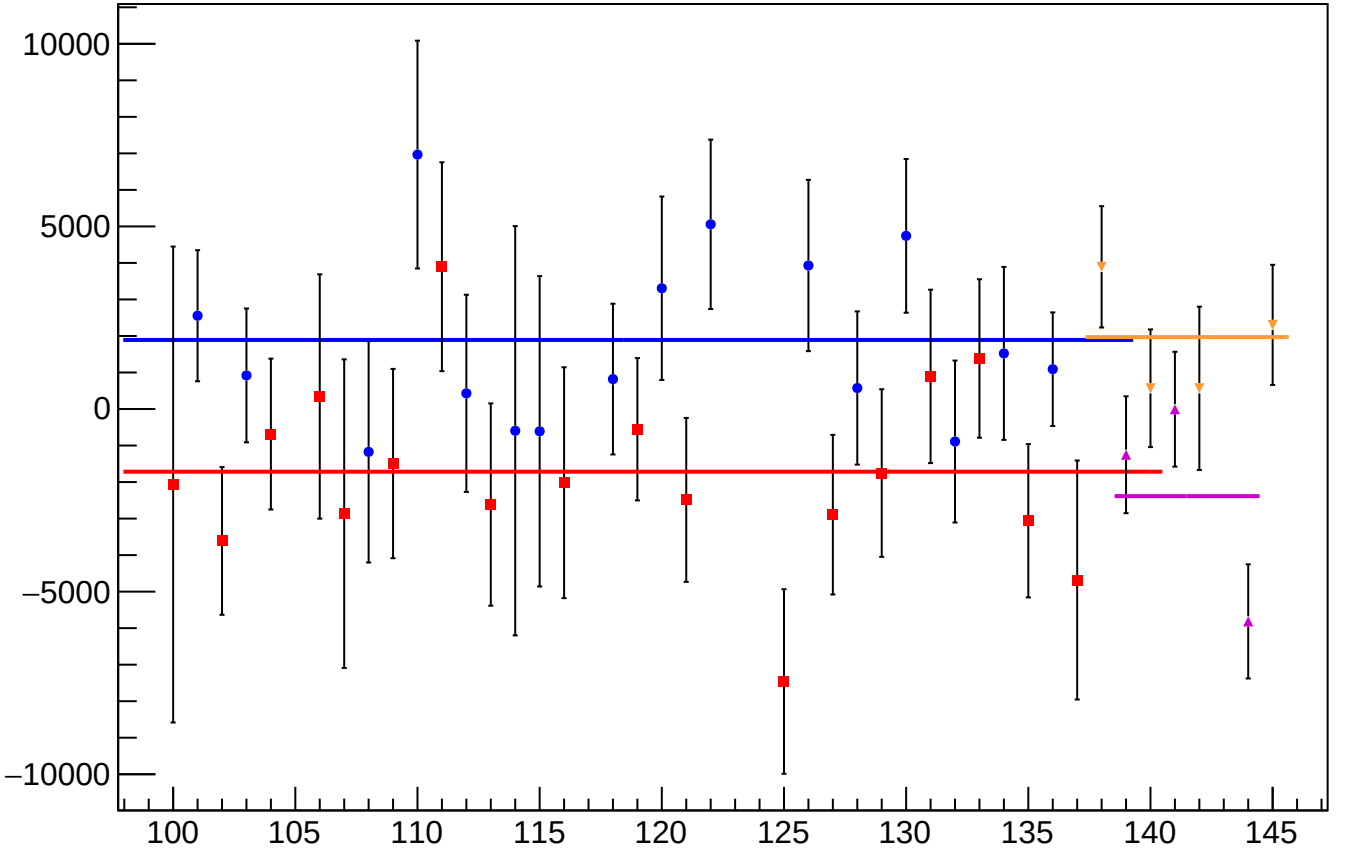
All: 35.256+/-0.007 χ^2/NDF: 8576525.5/42

\- sign 34.473+/-0.009 χ^2/NDF: 4157487.9/21


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
105
110
115
120
125
130
135
140
145
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:6.7/2
+ sign -0.000+/-0.000 χ²/NDF: 13.0/20
All: -0.000+/-0.000 χ²/NDF: 52.5/42
- sign 0.000+/-0.000 χ²/NDF: 35.8/21


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:594231.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:493025.0/2
+ sign 0.000+/-0.000 χ²/NDF: 5459586.3/20
All: 0.000+/-0.000 χ²/NDF: 11676034.0/42
- sign 0.000+/-0.000 χ²/NDF: 6204192.6/21

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

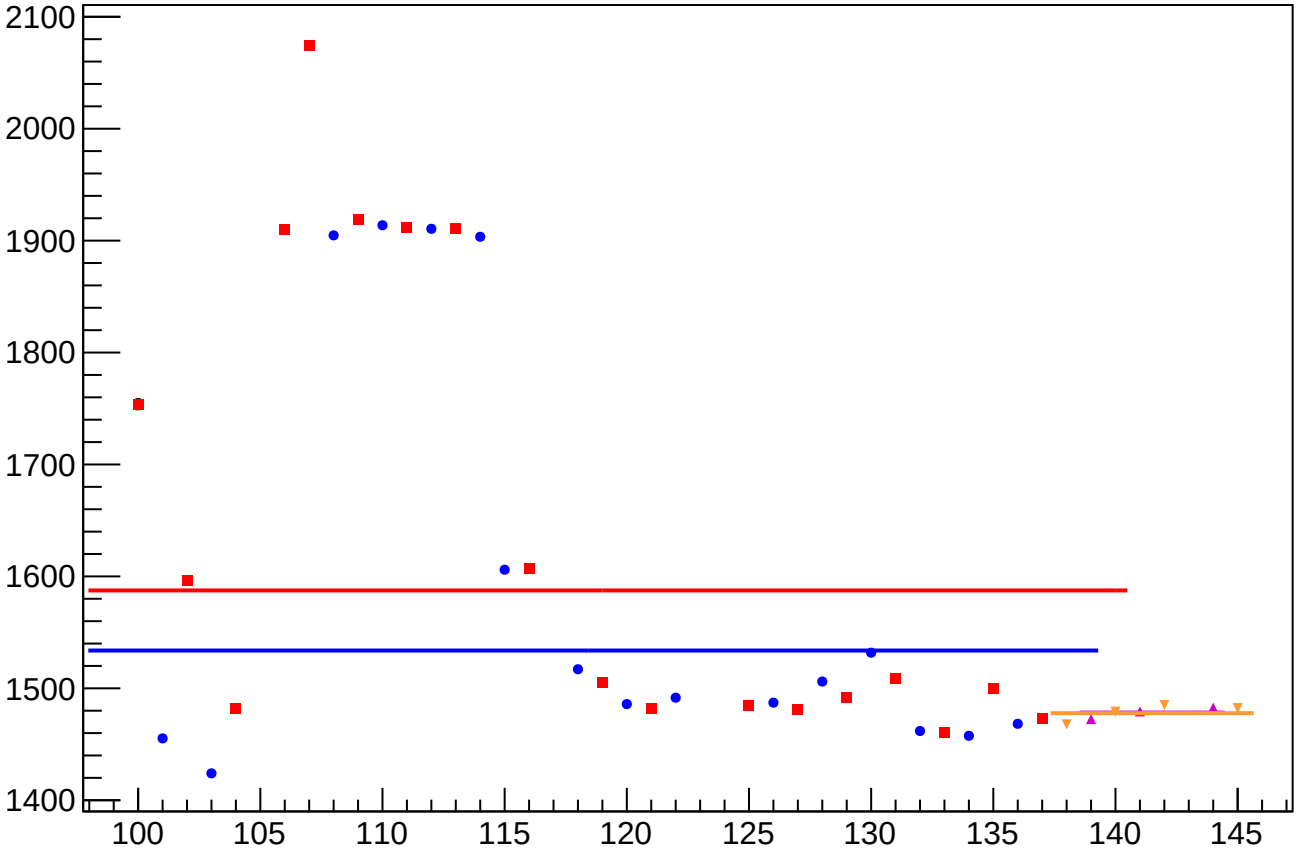
Left In: -2385.397+/-911.235 χ^2/NDF:7.6/2

+ sign 1914.968+/-478.291 χ^2/NDF: 14.8/19

All: 66.343+/-343.948 χ^2/NDF: 69.7/40

- sign -1913.440+/-494.968 χ^2/NDF: 24.0/20

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

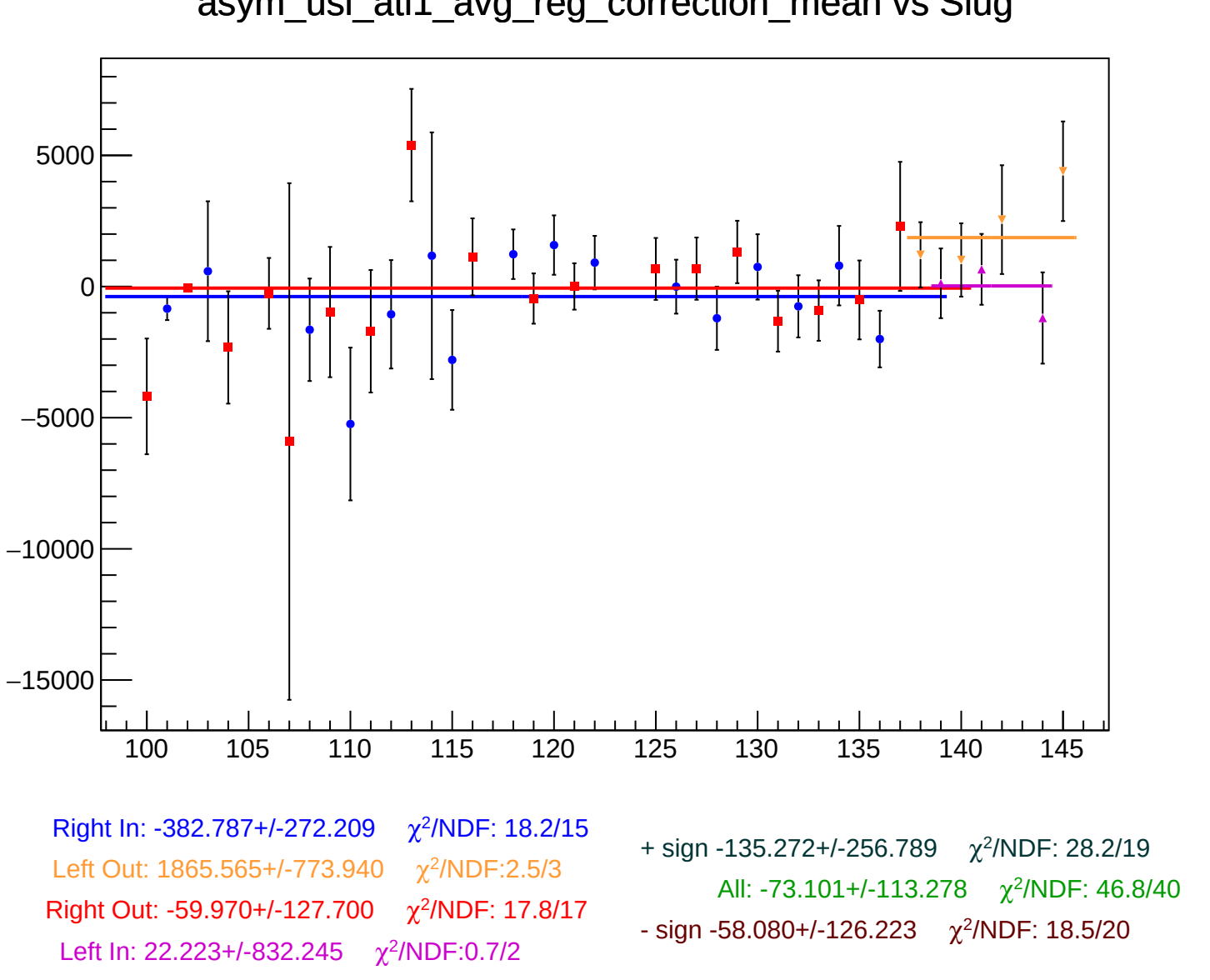
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1478.328+/-0.644 χ^2/NDF:42.9/2

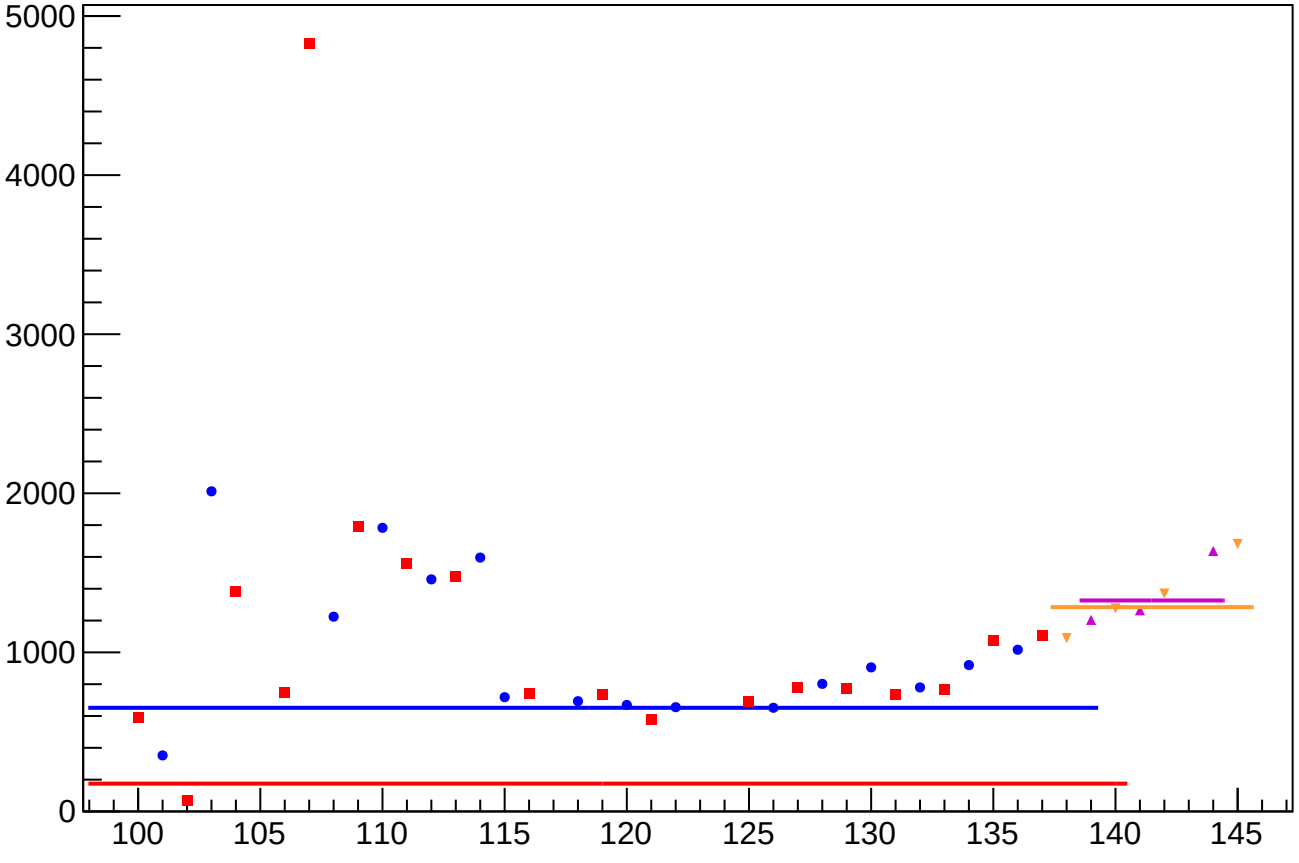
+ sign 1516.901+/-0.338 χ^2/NDF: 135148.3/19

All: 1535.424+/-0.243 χ^2/NDF: 333614.5/40

- sign 1555.262+/-0.350 χ^2/NDF: 192254.1/20


asym_usl_atl1_avg_reg_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: -382.787+/-272.209 χ²/NDF: 18.2/15
Left Out: 1865.565+/-773.940 χ²/NDF:2.5/3
Right Out: -59.970+/-127.700 χ²/NDF: 17.8/17
Left In: 22.223+/-832.245 χ²/NDF:0.7/2
+ sign -135.272+/-256.789 χ²/NDF: 28.2/19
All: -73.101+/-113.278 χ²/NDF: 46.8/40
- sign -58.080+/-126.223 χ²/NDF: 18.5/20

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

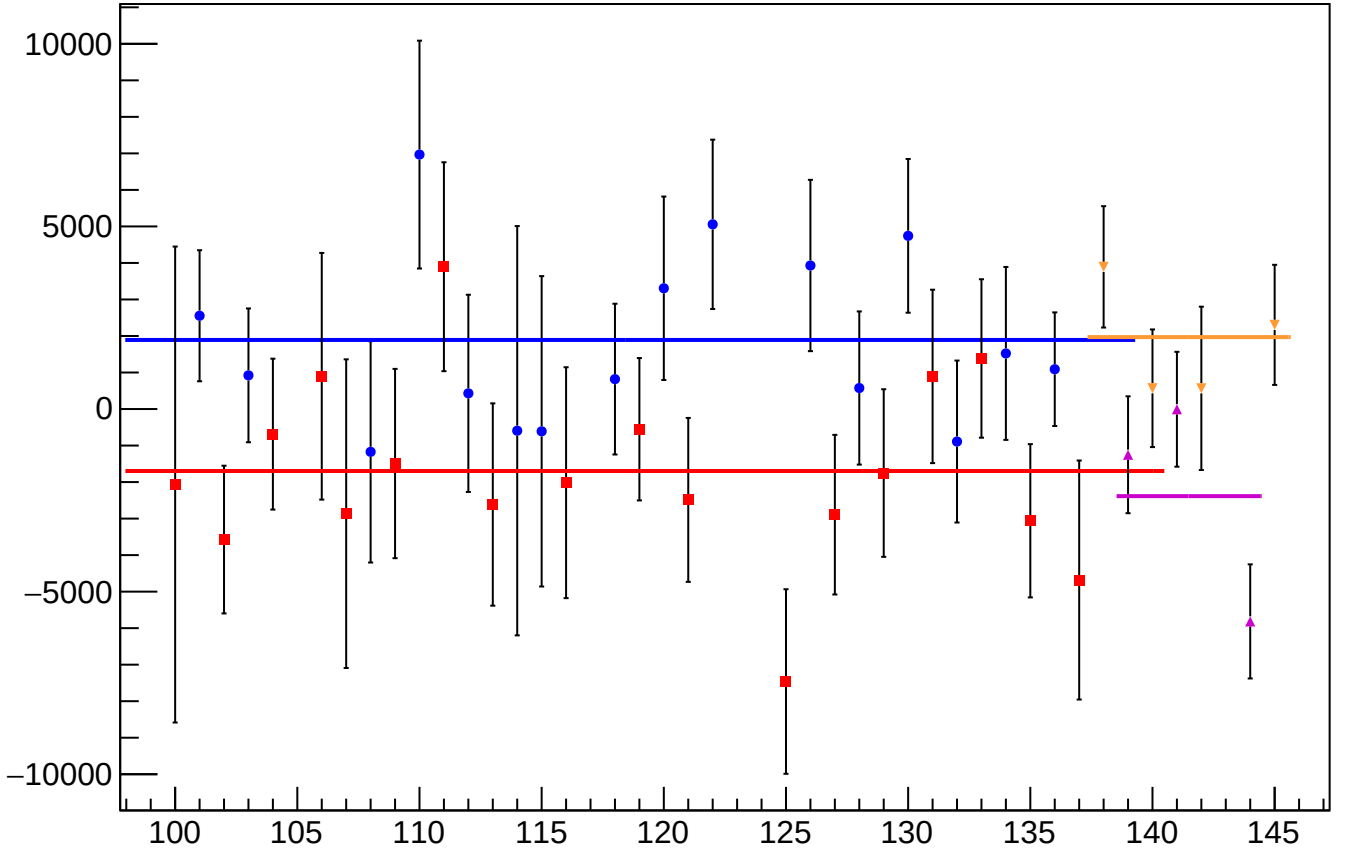
Left In: 1326.233+/-0.588 χ^2/NDF:84942.9/2

+ sign 721.181+/-0.182 χ^2/NDF: 4092562.2/19

All: 302.534+/-0.080 χ^2/NDF: 24278599.9/40

- sign 201.382+/-0.089 χ^2/NDF: 13585763.2/20

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

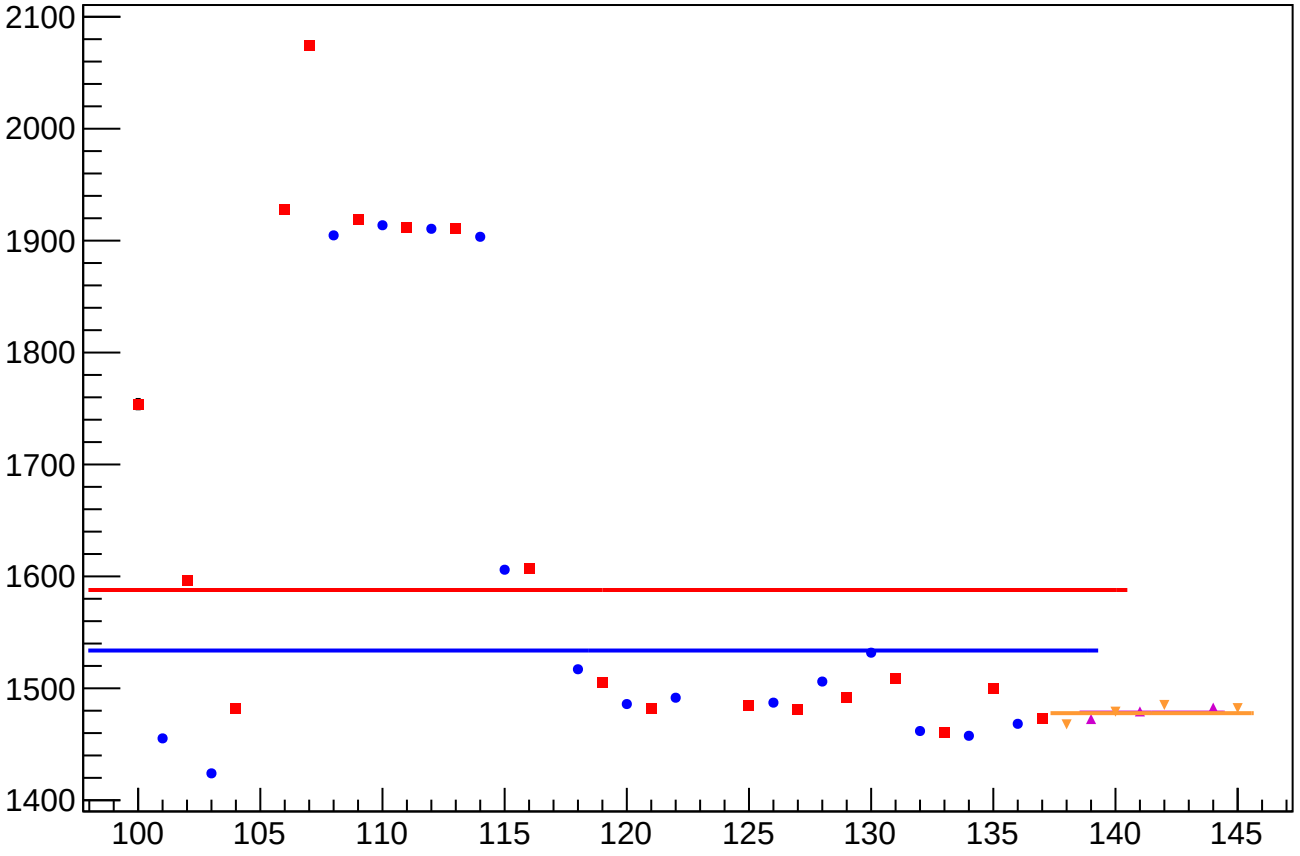
Left In: -2385.509+/-911.235 χ^2/NDF:7.6/2

+ sign 1915.071+/-478.291 χ^2/NDF: 14.8/19

All: 73.191+/-343.984 χ^2/NDF: 69.6/40

- sign -1900.222+/-495.075 χ^2/NDF: 24.2/20

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

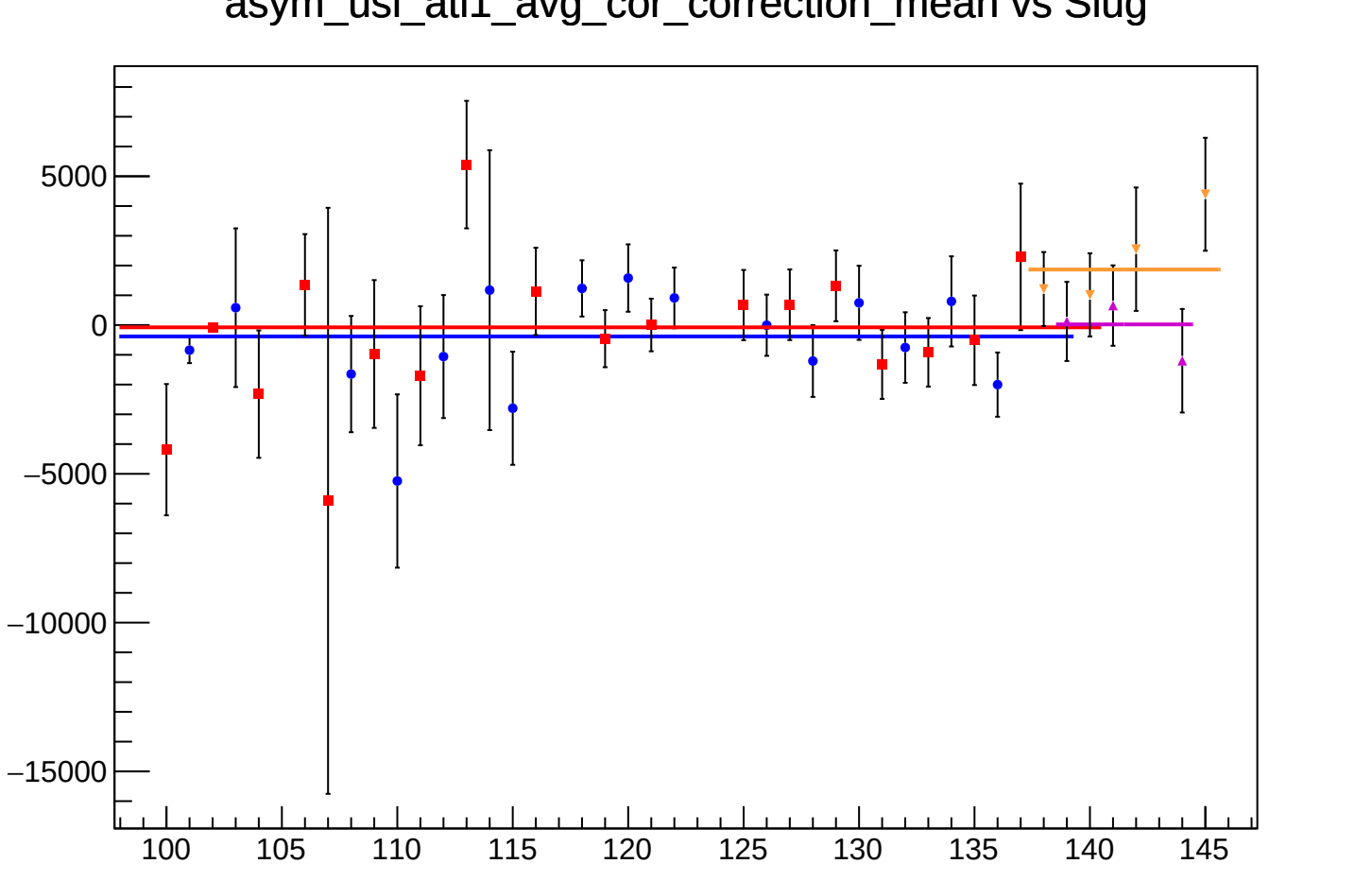
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1478.328+/-0.644 χ^2/NDF:42.9/2

+ sign 1516.901+/-0.338 χ^2/NDF: 135148.2/19

All: 1535.545+/-0.243 χ^2/NDF: 335614.5/40

- sign 1555.519+/-0.350 χ^2/NDF: 194172.0/20



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

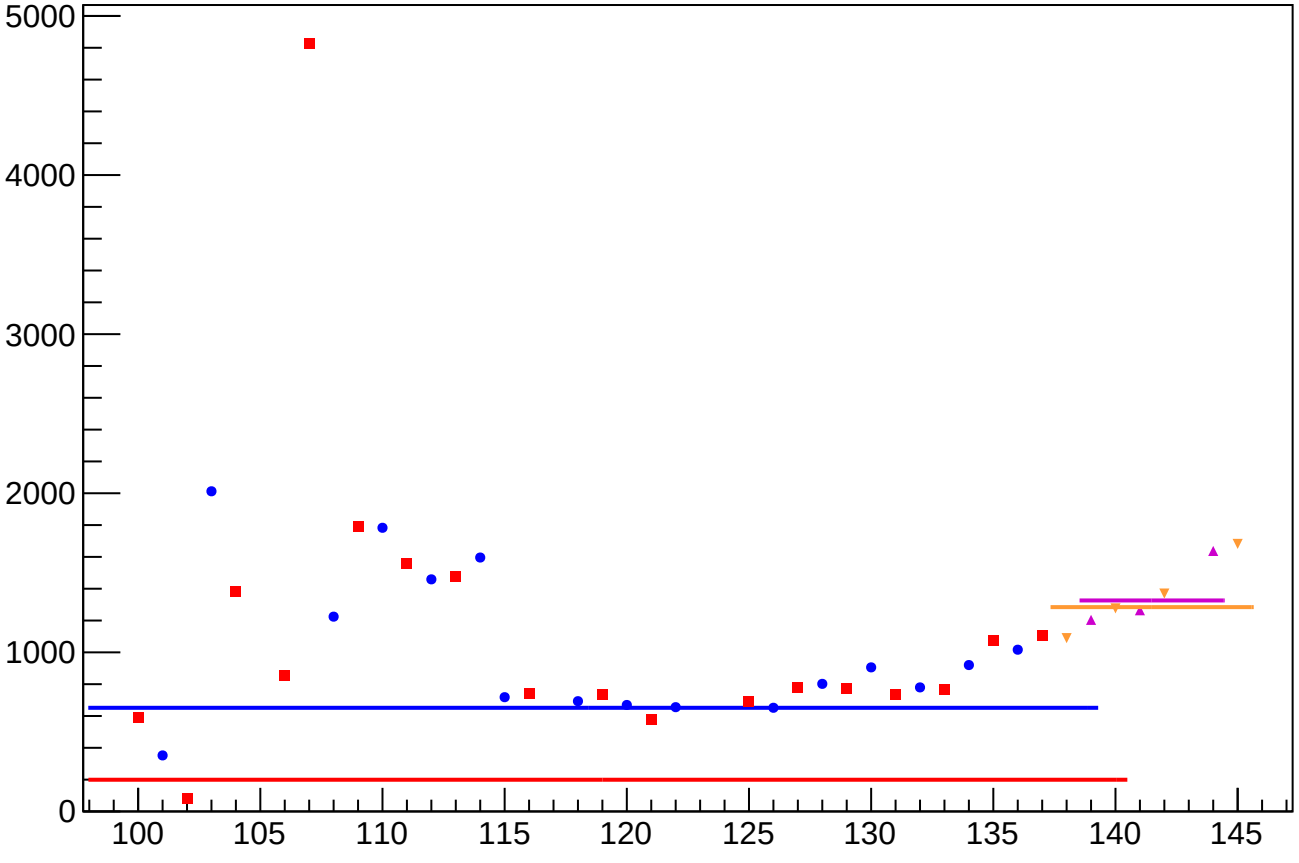
Left In: 22.078+/-832.246 χ^2/NDF:0.7/2

+ sign -135.240+/-256.789 χ^2/NDF: 28.2/19

All: -87.538+/-120.373 χ^2/NDF: 47.5/40

- sign -74.104+/-136.273 χ^2/NDF: 19.2/20

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

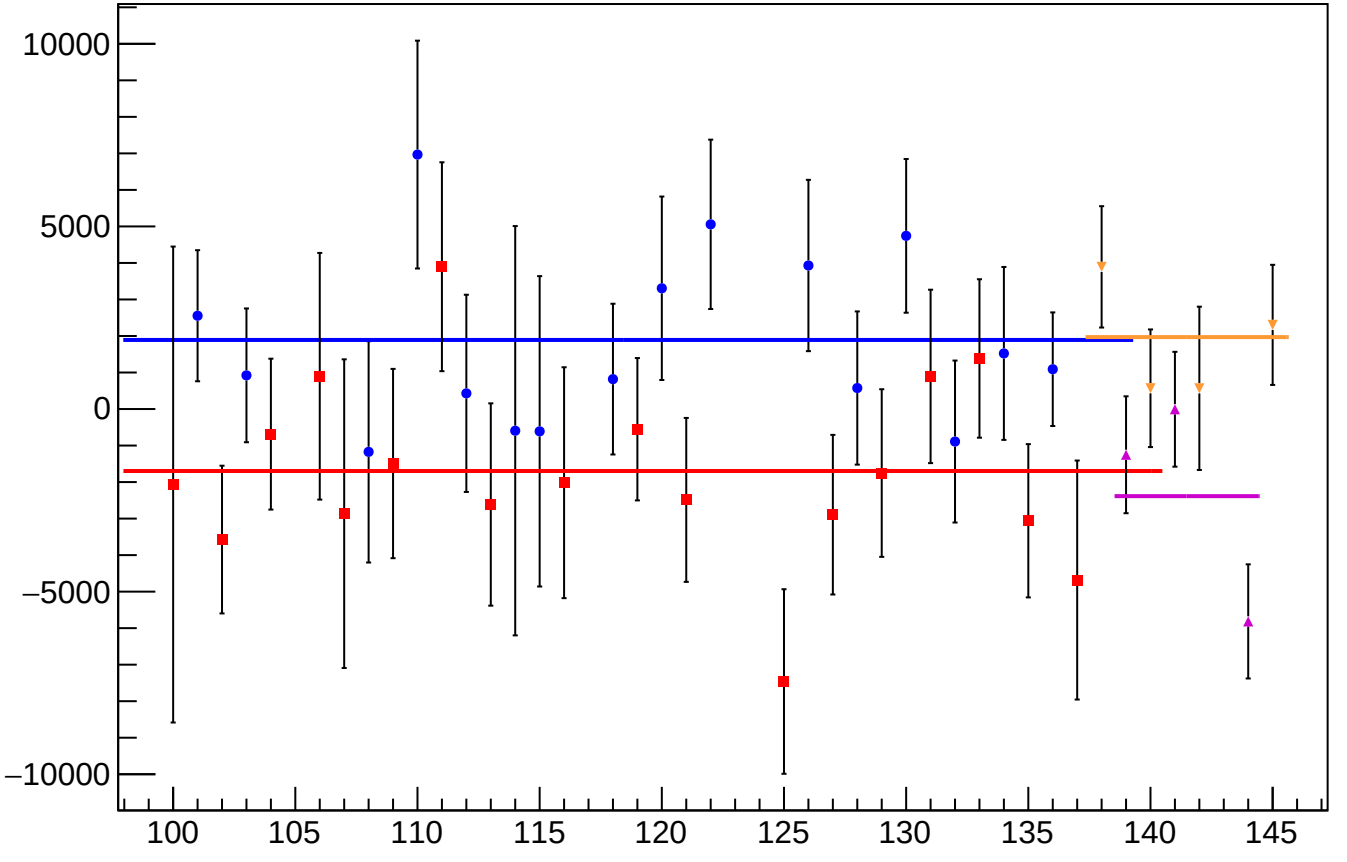
Left In: 1326.234+/-0.588 χ^2/NDF:84940.9/2

+ sign 721.180+/-0.182 χ^2/NDF: 4092602.2/19

All: 337.585+/-0.085 χ^2/NDF: 22750678.5/40

- sign 229.557+/-0.096 χ^2/NDF: 12938248.2/20

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

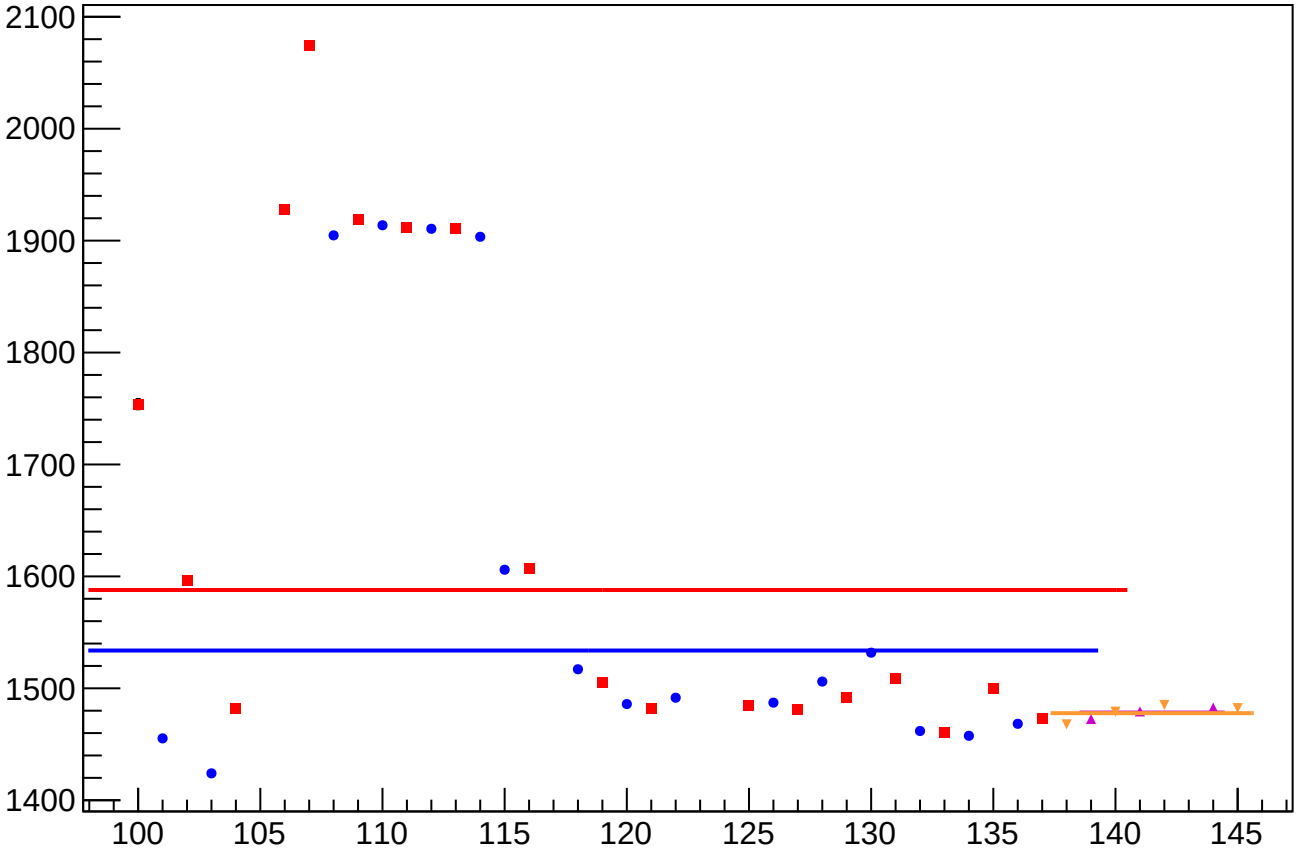
Left In: -2385.509+/-911.235 χ^2/NDF:7.6/2

+ sign 1915.071+/-478.291 χ^2/NDF: 14.8/19

All: 73.191+/-343.984 χ^2/NDF: 69.6/40

- sign -1900.222+/-495.075 χ^2/NDF: 24.2/20

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

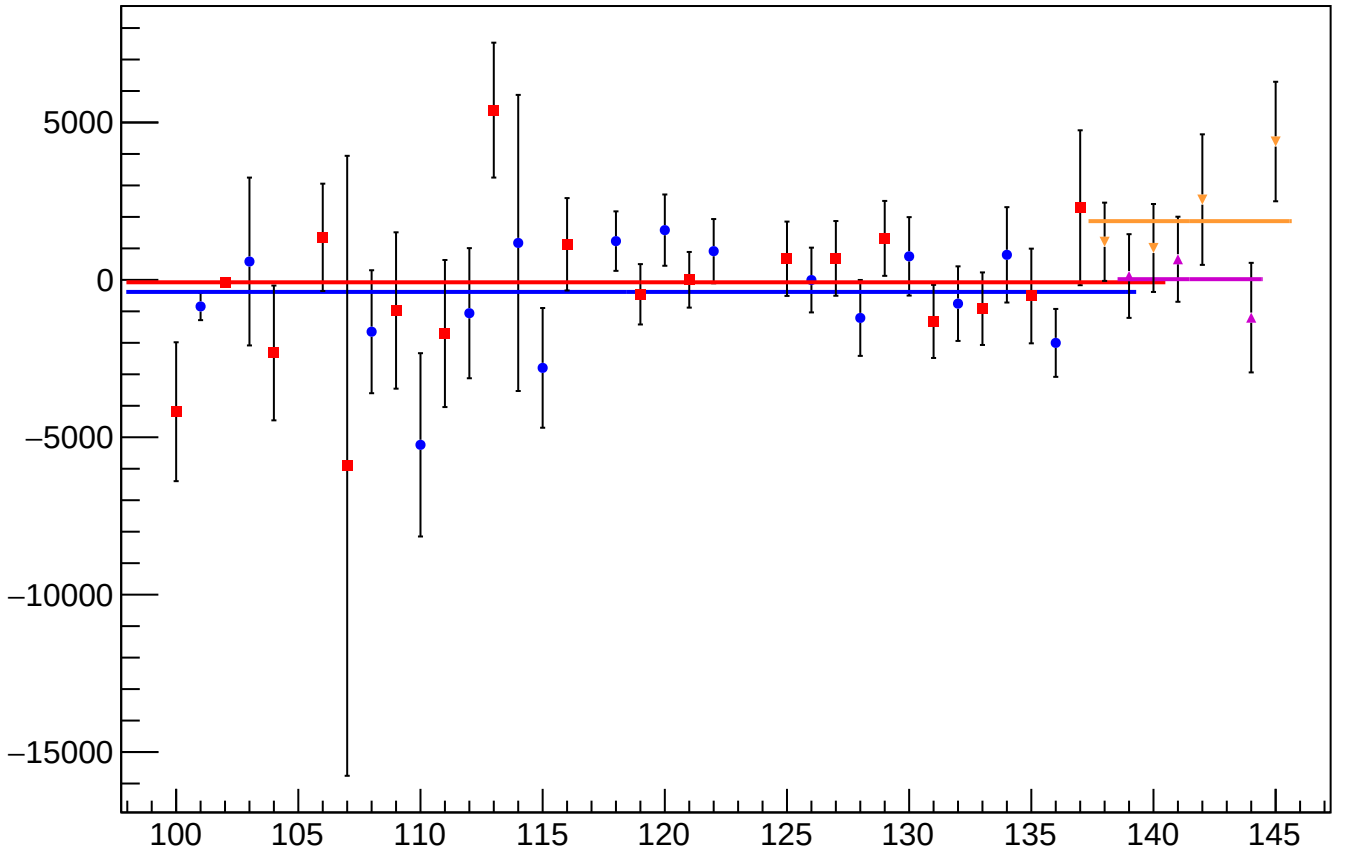
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1478.328+/-0.644 χ^2/NDF:42.9/2

+ sign 1516.901+/-0.338 χ^2/NDF: 135148.2/19

All: 1535.545+/-0.243 χ^2/NDF: 335614.5/40

- sign 1555.519+/-0.350 χ^2/NDF: 194172.0/20



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

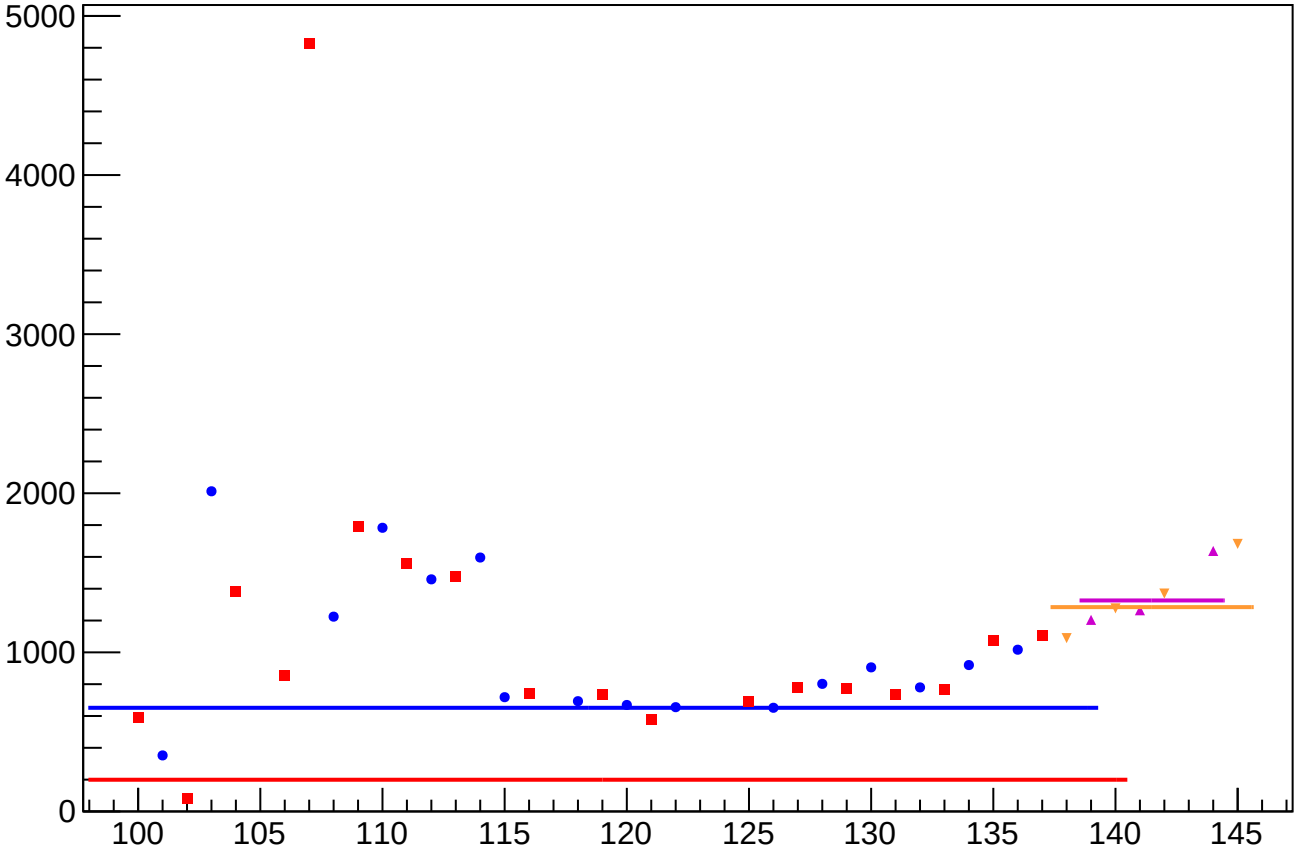
Left In: 22.078+/-832.246 χ^2/NDF:0.7/2

+ sign -135.240+/-256.789 χ^2/NDF: 28.2/19

All: -87.538+/-120.373 χ^2/NDF: 47.5/40

- sign -74.104+/-136.273 χ^2/NDF: 19.2/20

asym_usl_atl1_avg_eigen_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

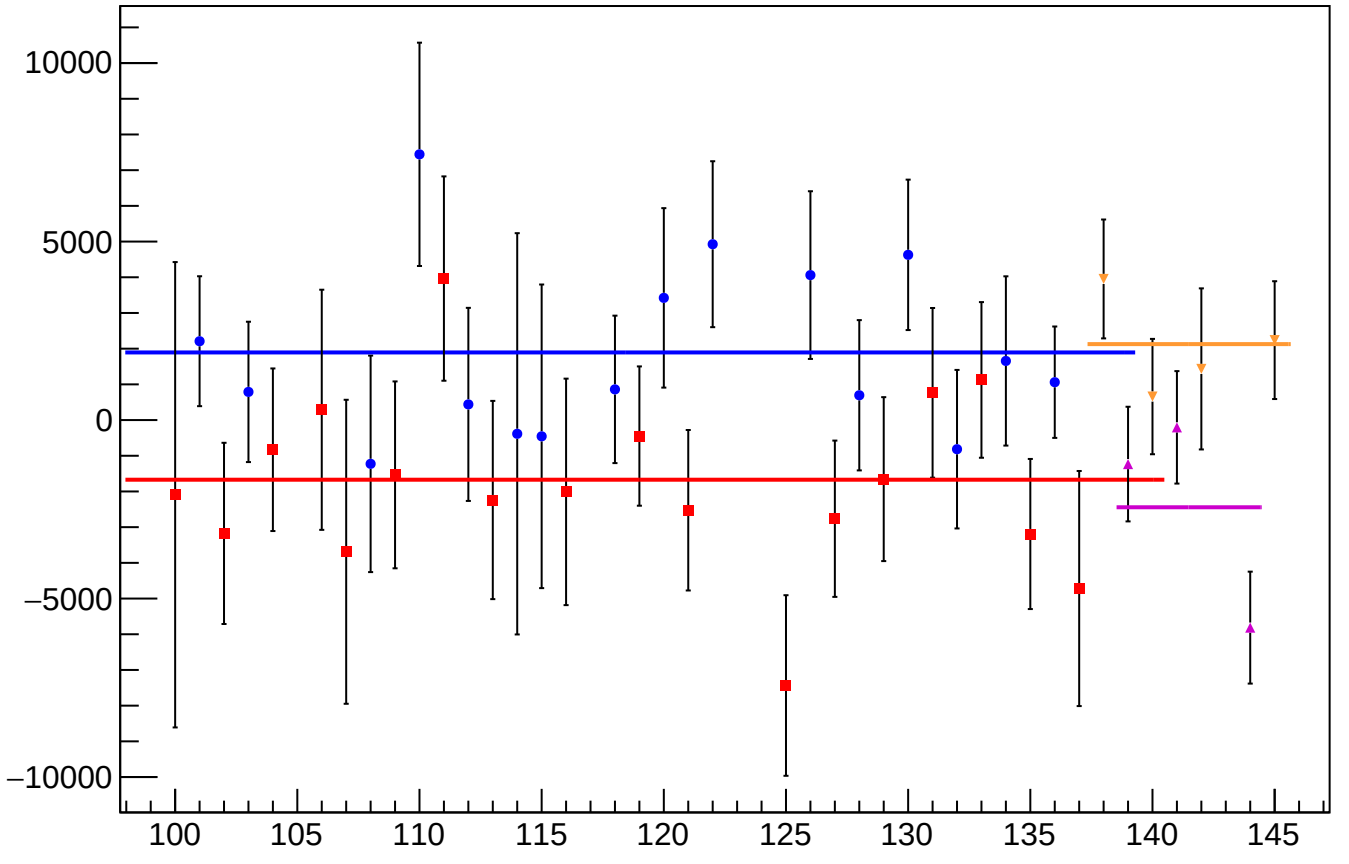
Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1326.234+/-0.588 χ^2/NDF:84940.9/2

+ sign 721.180+/-0.182 χ^2/NDF: 4092602.2/19

All: 337.585+/-0.085 χ^2/NDF: 22750678.5/40

- sign 229.557+/-0.096 χ^2/NDF: 12938248.2/20



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

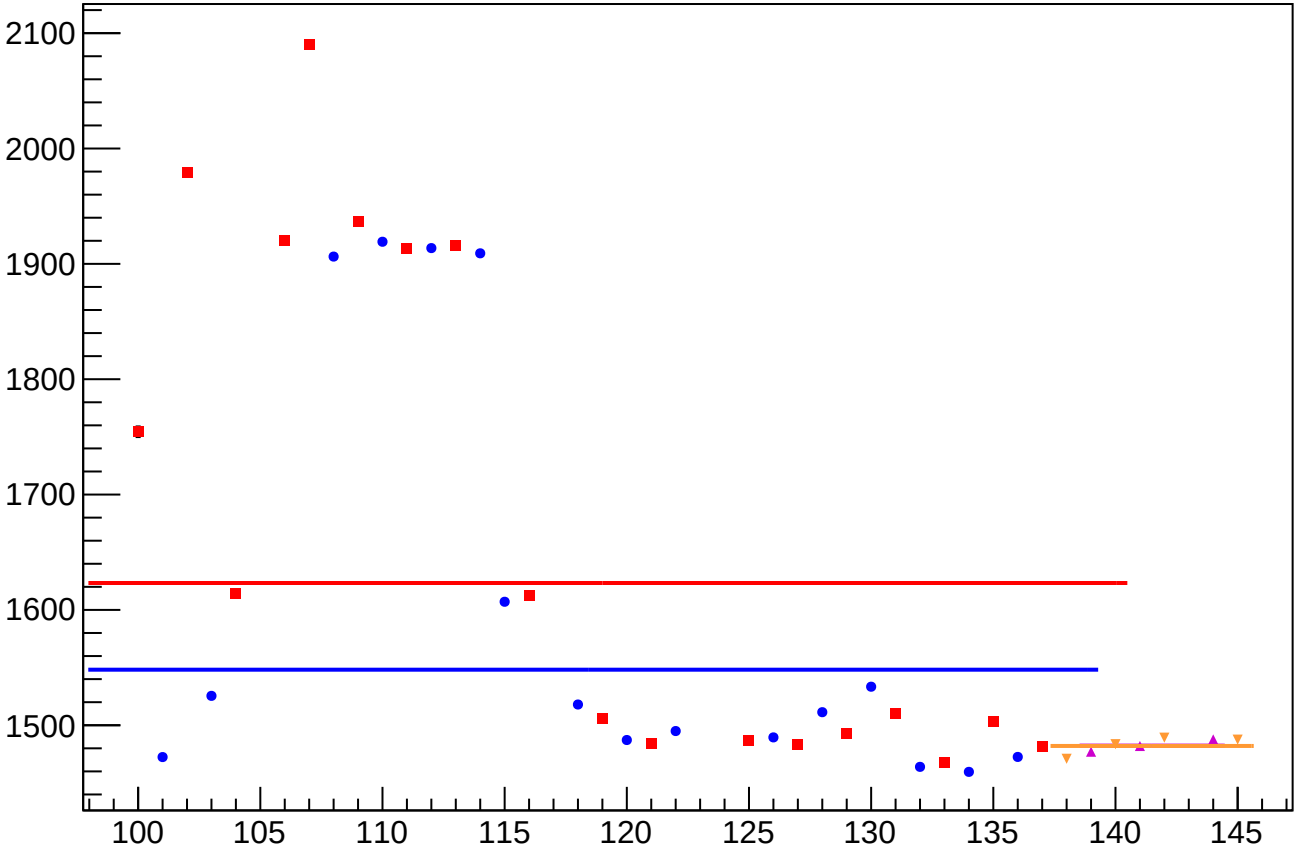
Left In: -2442.955+/-913.780 χ^2/NDF:7.2/2

+ sign 1965.070+/-481.988 χ^2/NDF: 14.5/19

All: 117.235+/-348.458 χ^2/NDF: 68.0/40

- sign -1906.128+/-504.361 χ^2/NDF: 22.7/20

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

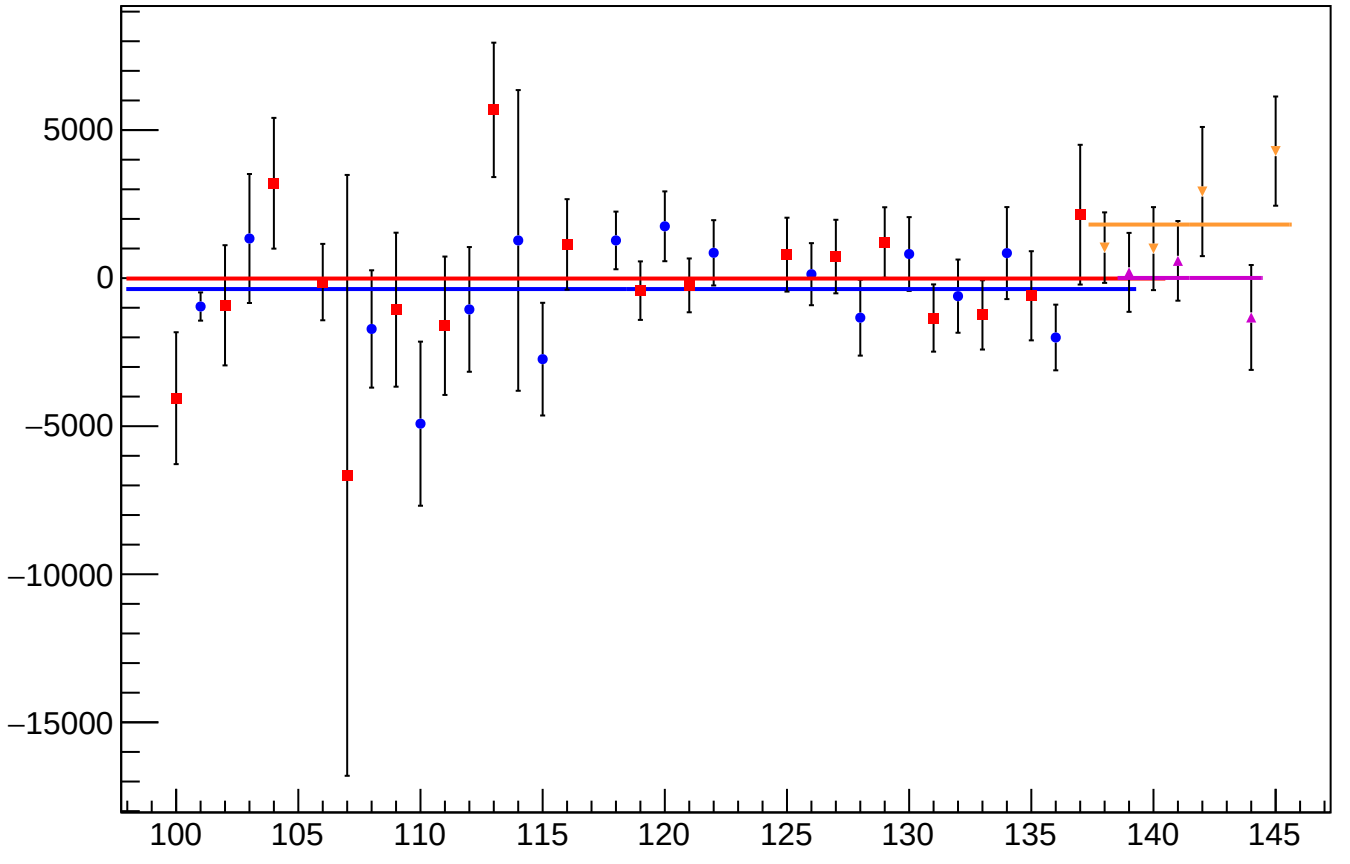
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1482.369+/-0.646 χ^2/NDF:45.3/2

+ sign 1528.092+/-0.341 χ^2/NDF: 127997.0/19

All: 1553.054+/-0.246 χ^2/NDF: 383908.6/40

- sign 1580.387+/-0.357 χ^2/NDF: 244673.6/20



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

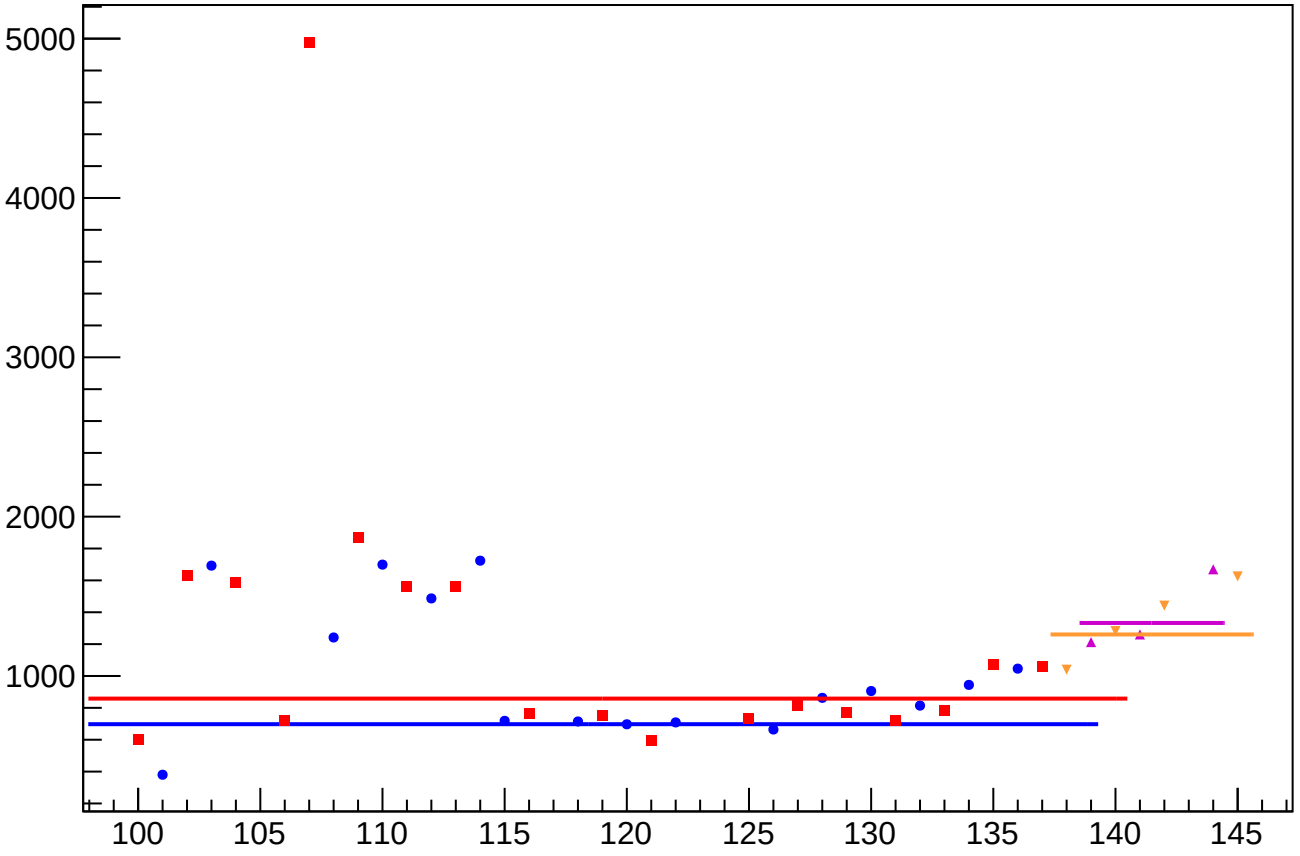
Left In: 6.251+/-835.050 χ^2/NDF:0.8/2

\+ sign -99.233+/-268.265 χ^2/NDF: 28.9/19

All: -62.241+/-204.548 χ^2/NDF: 48.8/40

\- sign -10.866+/-316.144 χ^2/NDF: 19.8/20

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

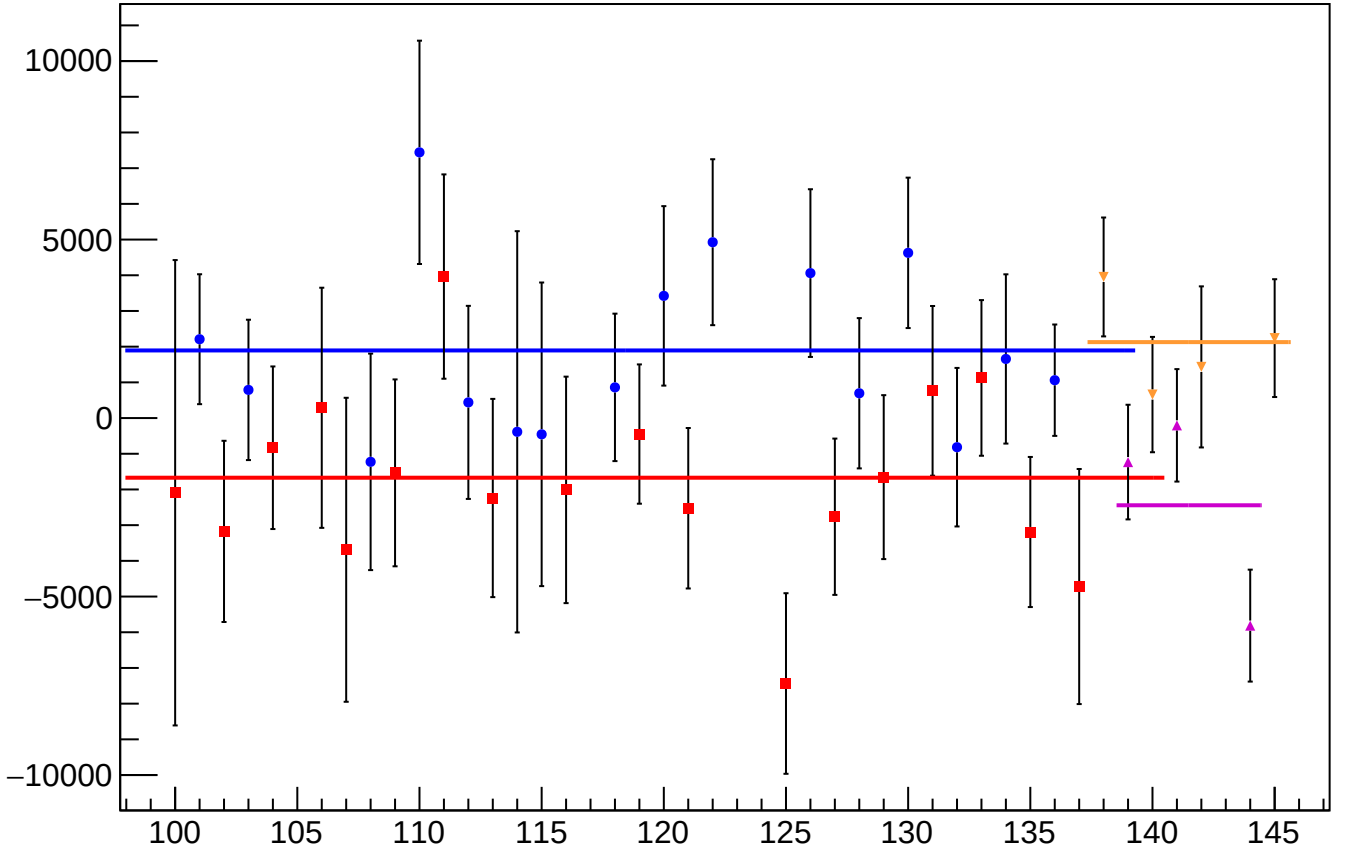
Left In: 1332.843+/-0.590 χ^2/NDF:94318.7/2

+ sign 767.178+/-0.190 χ^2/NDF: 3552056.5/19

All: 833.723+/-0.145 χ^2/NDF: 6376310.7/40

- sign 926.142+/-0.224 χ^2/NDF: 2530271.3/20

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

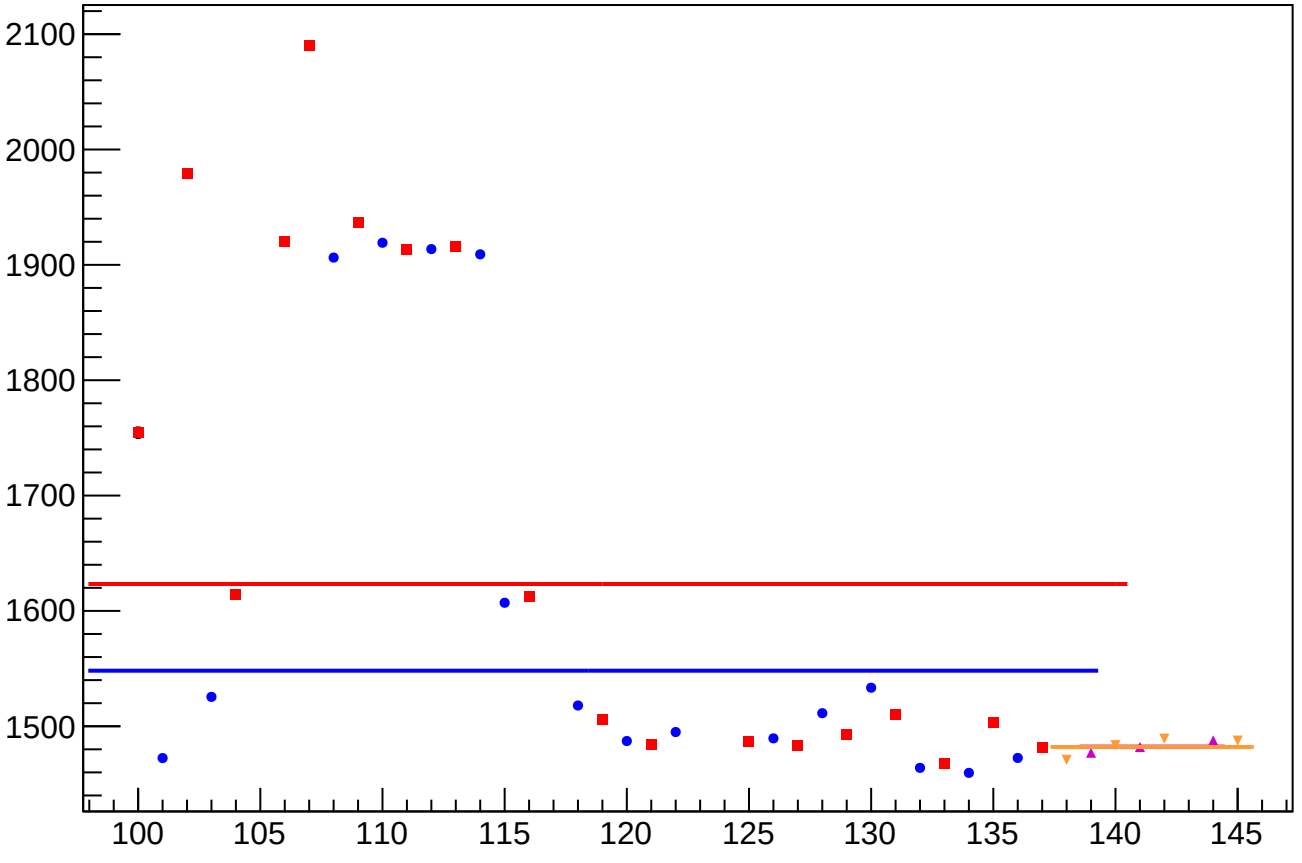
Left In: -2442.955+/-913.780 χ^2/NDF:7.2/2

+ sign 1965.070+/-481.988 χ^2/NDF: 14.5/19

All: 117.236+/-348.458 χ^2/NDF: 68.0/40

- sign -1906.127+/-504.361 χ^2/NDF: 22.7/20

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

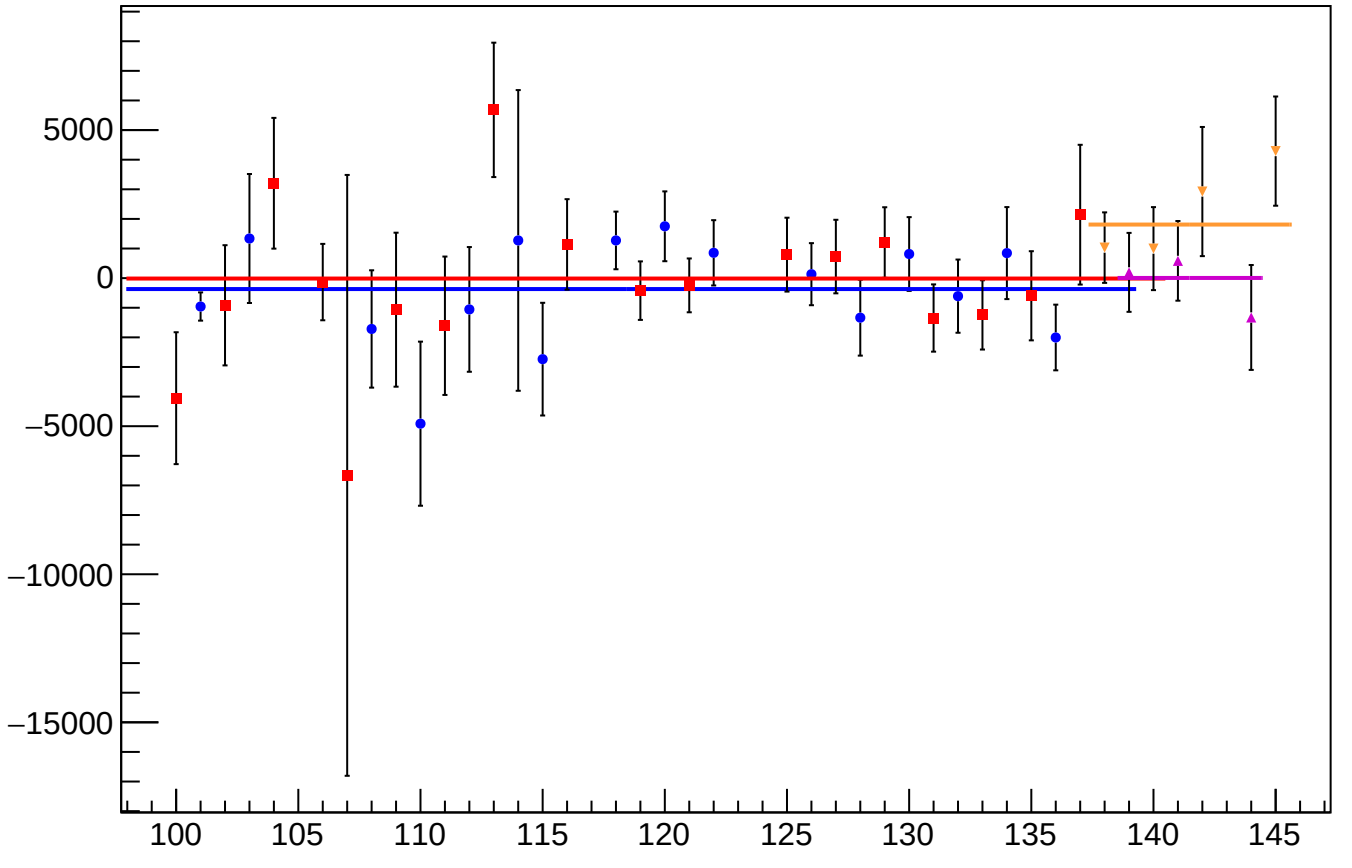
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1482.369+/-0.646 χ^2/NDF:45.3/2

+ sign 1528.092+/-0.341 χ^2/NDF: 127997.0/19

All: 1553.054+/-0.246 χ^2/NDF: 383908.3/40

- sign 1580.387+/-0.357 χ^2/NDF: 244673.3/20



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

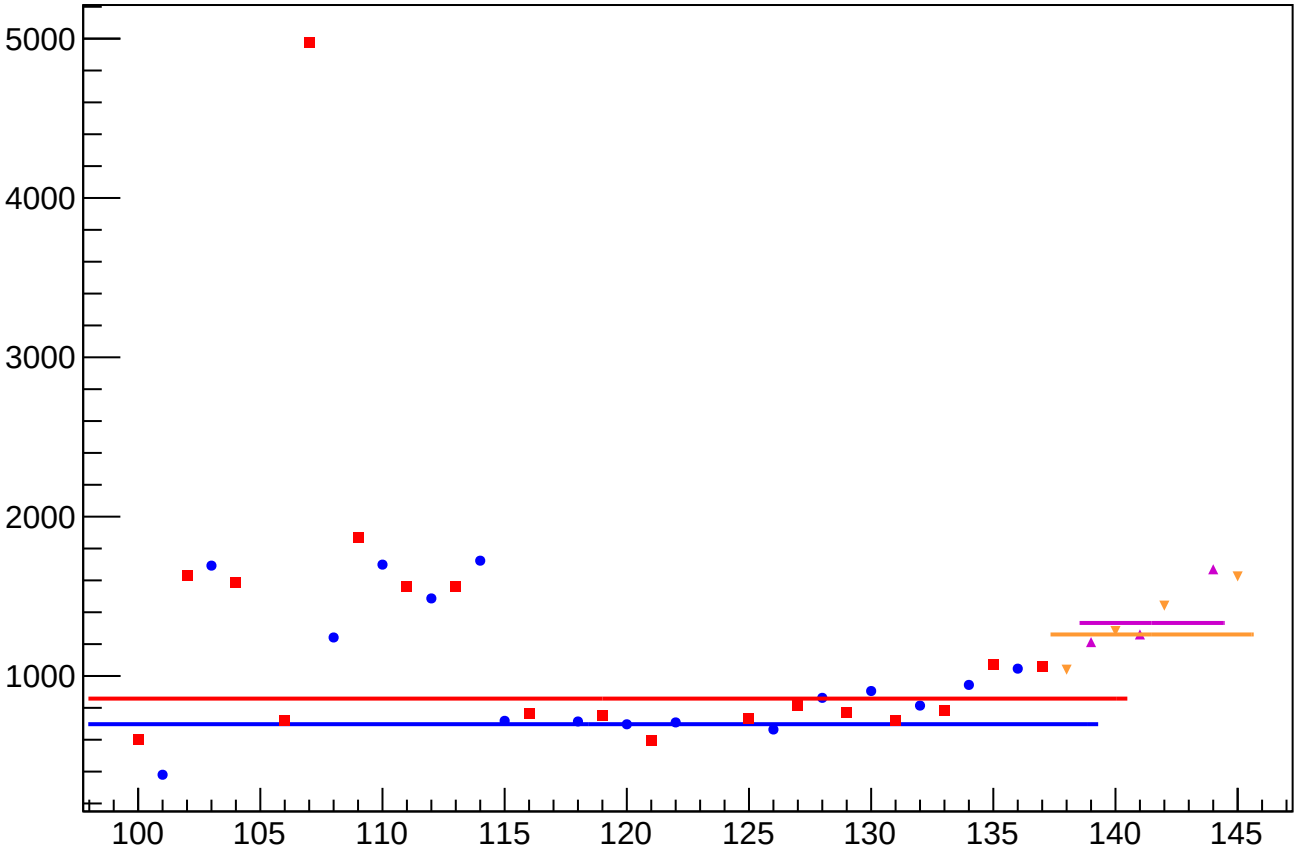
Left In: 6.251+/-835.051 χ^2/NDF:0.8/2

+ sign -99.232+/-268.265 χ^2/NDF: 28.9/19

All: -62.240+/-204.547 χ^2/NDF: 48.8/40

- sign -10.866+/-316.143 χ^2/NDF: 19.8/20

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

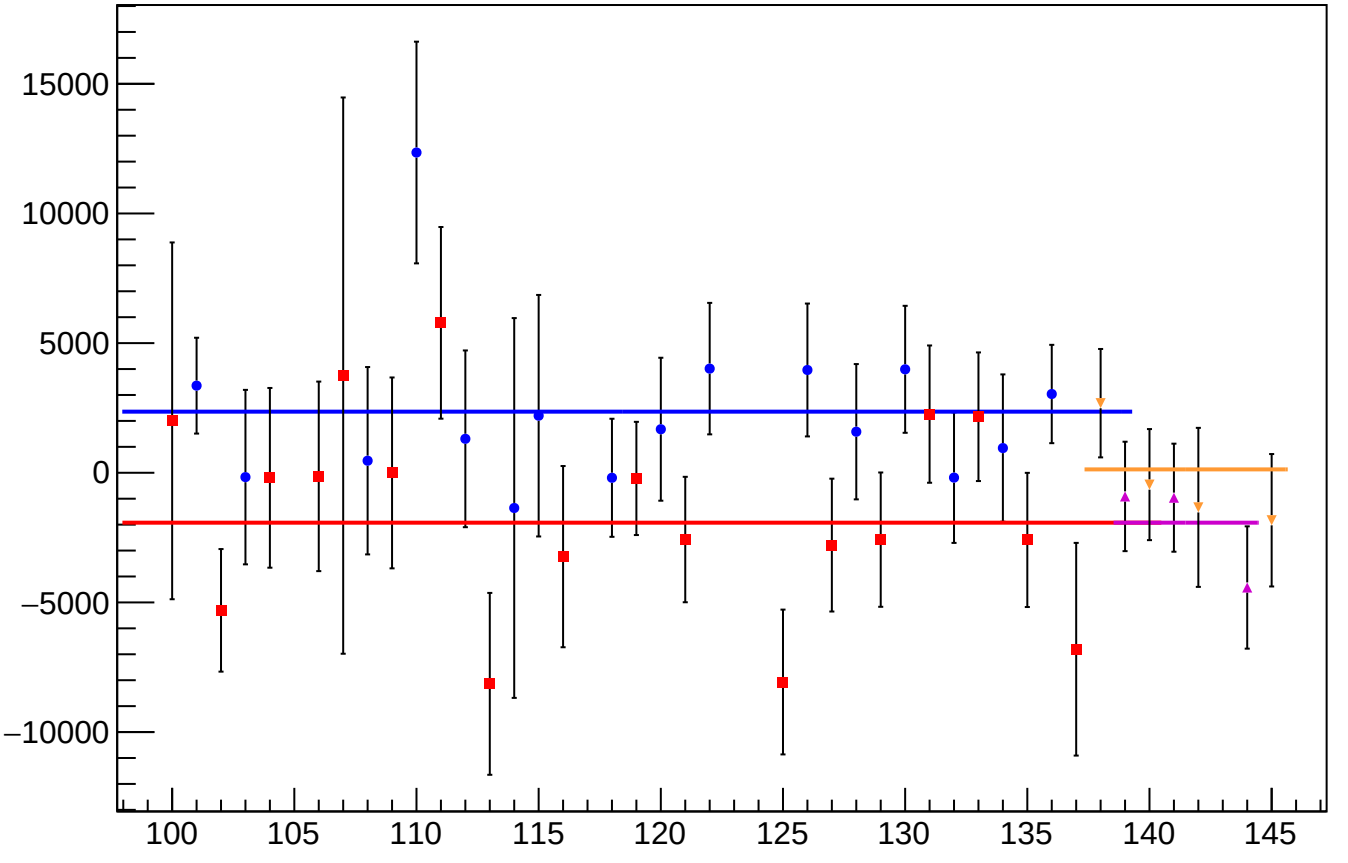
Left In: 1332.845+/-0.590 χ^2/NDF:94319.0/2

+ sign 767.178+/-0.190 χ^2/NDF: 3552053.0/19

All: 833.723+/-0.145 χ^2/NDF: 6376318.3/40

- sign 926.141+/-0.224 χ^2/NDF: 2530287.7/20

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

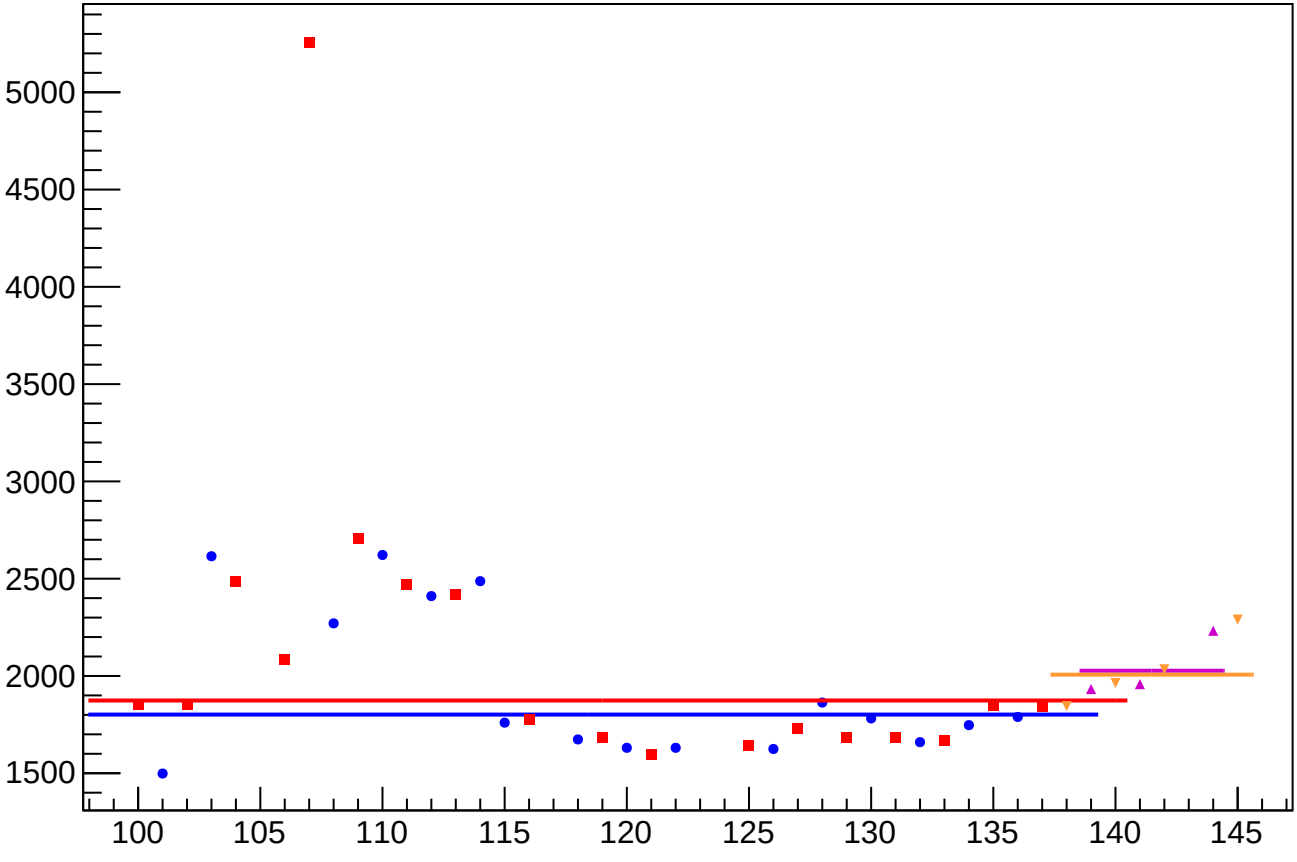
Left In: -1924.797+/-1255.135 χ^2/NDF:1.6/2

+ sign 1809.926+/-589.676 χ^2/NDF: 16.0/19

All: 23.667+/-425.923 χ^2/NDF: 60.2/40

- sign -1924.818+/-615.871 χ^2/NDF: 25.0/20

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

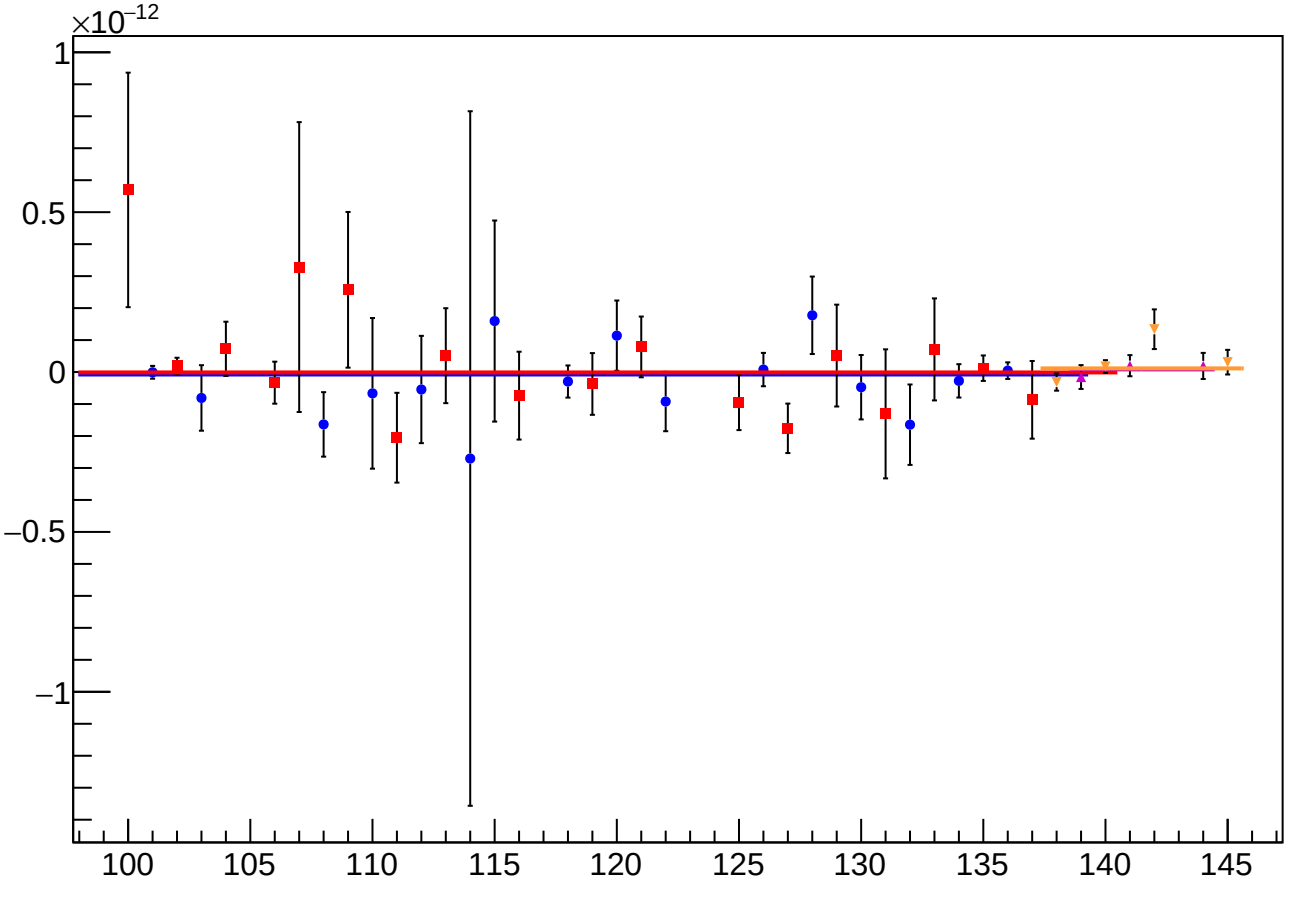
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 2026.818+/-0.888 χ^2/NDF:21337.3/2

+ sign 1851.951+/-0.417 χ^2/NDF: 483115.9/19

All: 1880.085+/-0.301 χ^2/NDF: 1106398.5/40

- sign 1910.776+/-0.435 χ^2/NDF: 613763.1/20



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

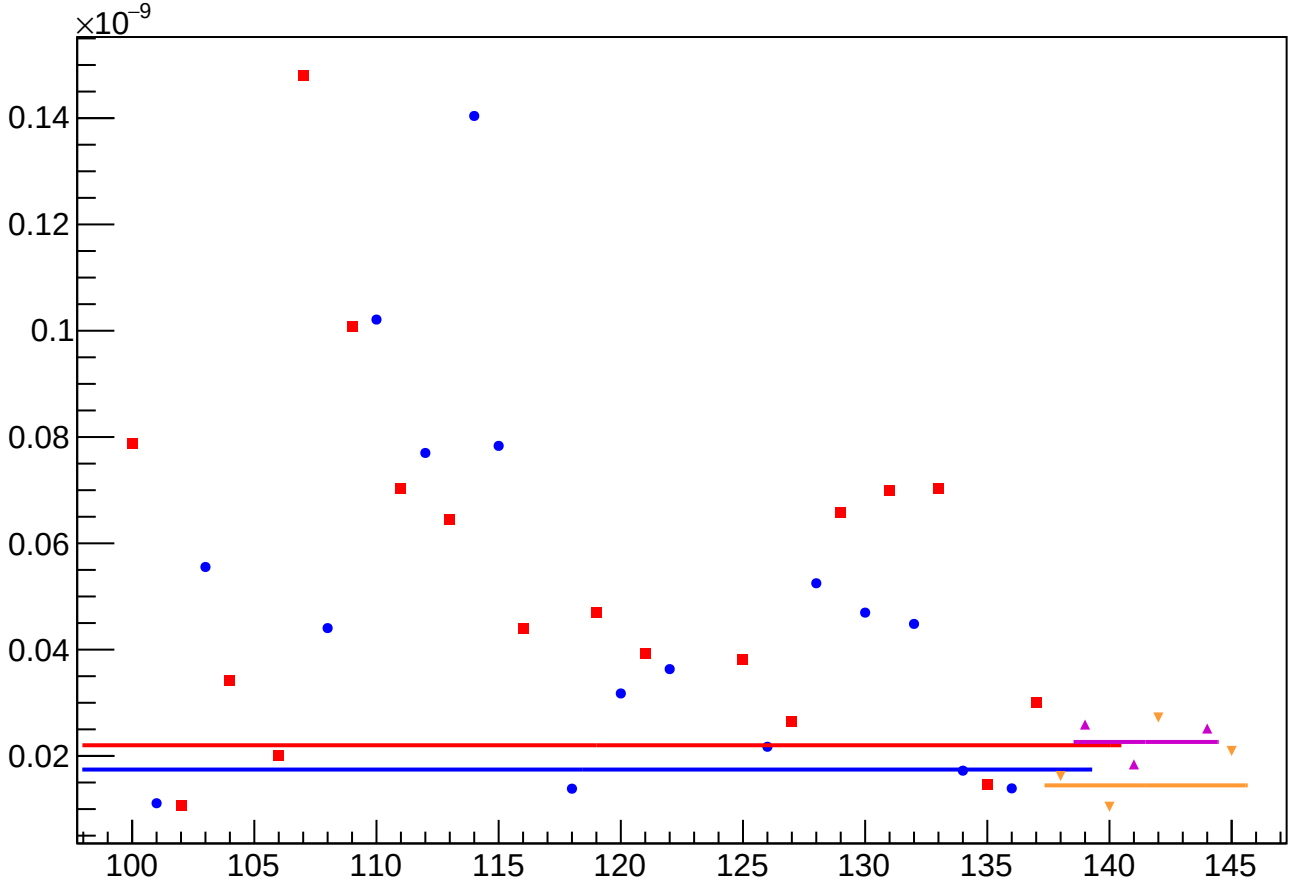
Left In: 0.000+/-0.000 χ^2/NDF:0.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 18.0/19

All: 0.000+/-0.000 χ^2/NDF: 35.4/40

- sign 0.000+/-0.000 χ^2/NDF: 17.4/20

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

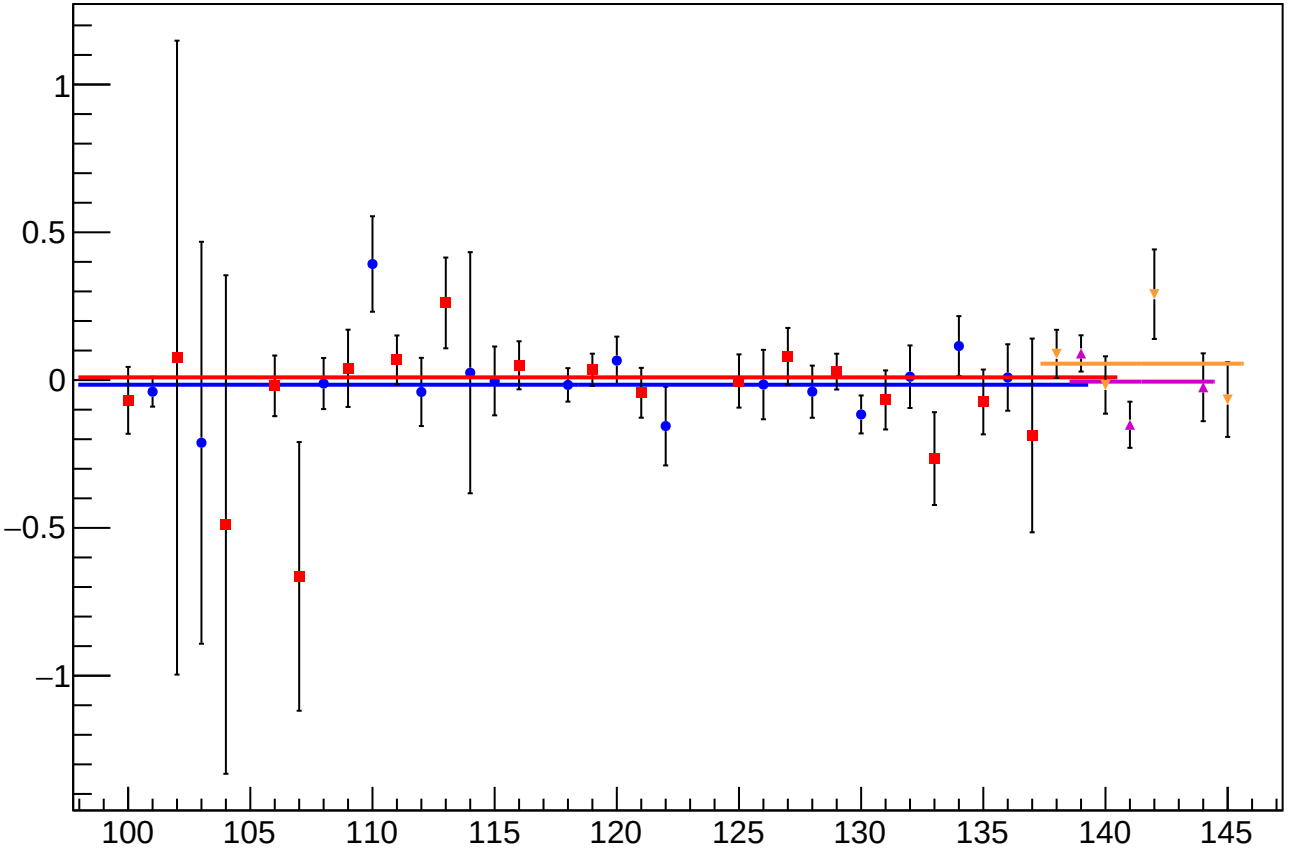
Left In: 0.000+/-0.000 χ^2/NDF:55802.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 2118011.4/19

All: 0.000+/-0.000 χ^2/NDF: 4554271.6/40

- sign 0.000+/-0.000 χ^2/NDF: 2155485.6/20

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

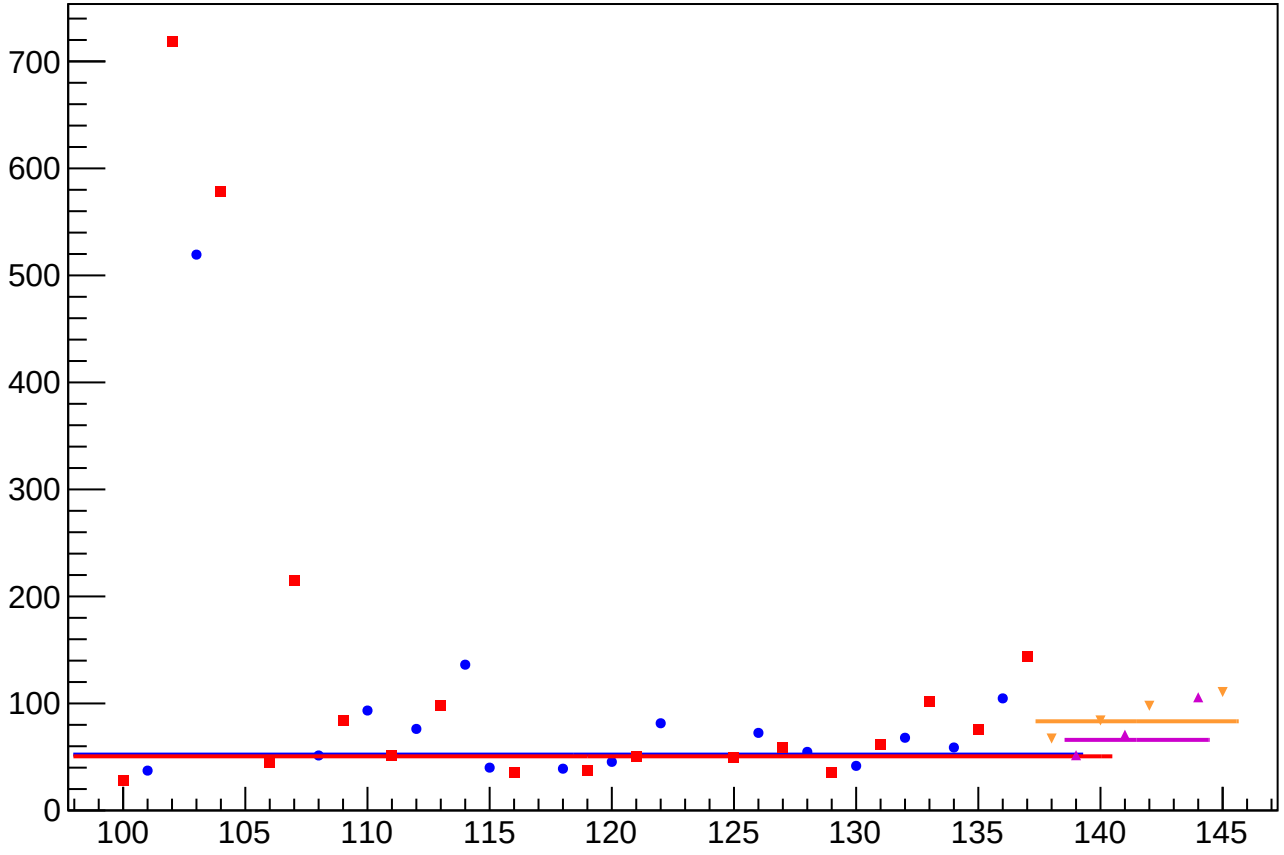
Left In: -0.005+/-0.044 χ^2/NDF:5.9/2

+ sign -0.004+/-0.021 χ^2/NDF: 18.8/19

All: 0.001+/-0.015 χ^2/NDF: 37.4/40

- sign 0.006+/-0.021 χ^2/NDF: 18.5/20

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

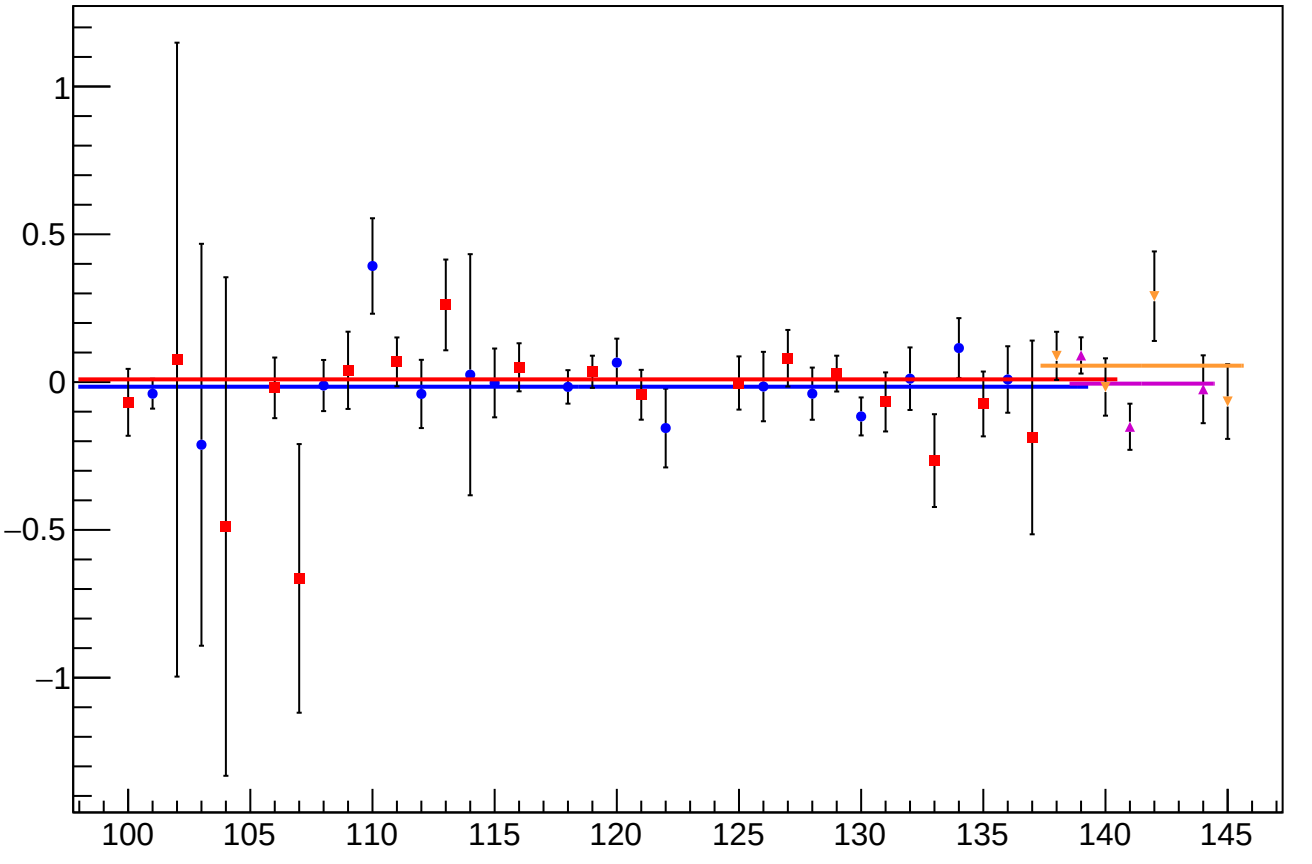
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 65.959+/-0.031 χ^2/NDF:357436.8/2

+ sign 57.076+/-0.015 χ^2/NDF: 3050200.8/19

All: 55.522+/-0.010 χ^2/NDF: 6668064.0/40

- sign 53.961+/-0.015 χ^2/NDF: 3595484.0/20



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.056+/-0.052 χ^2/NDF:4.0/3

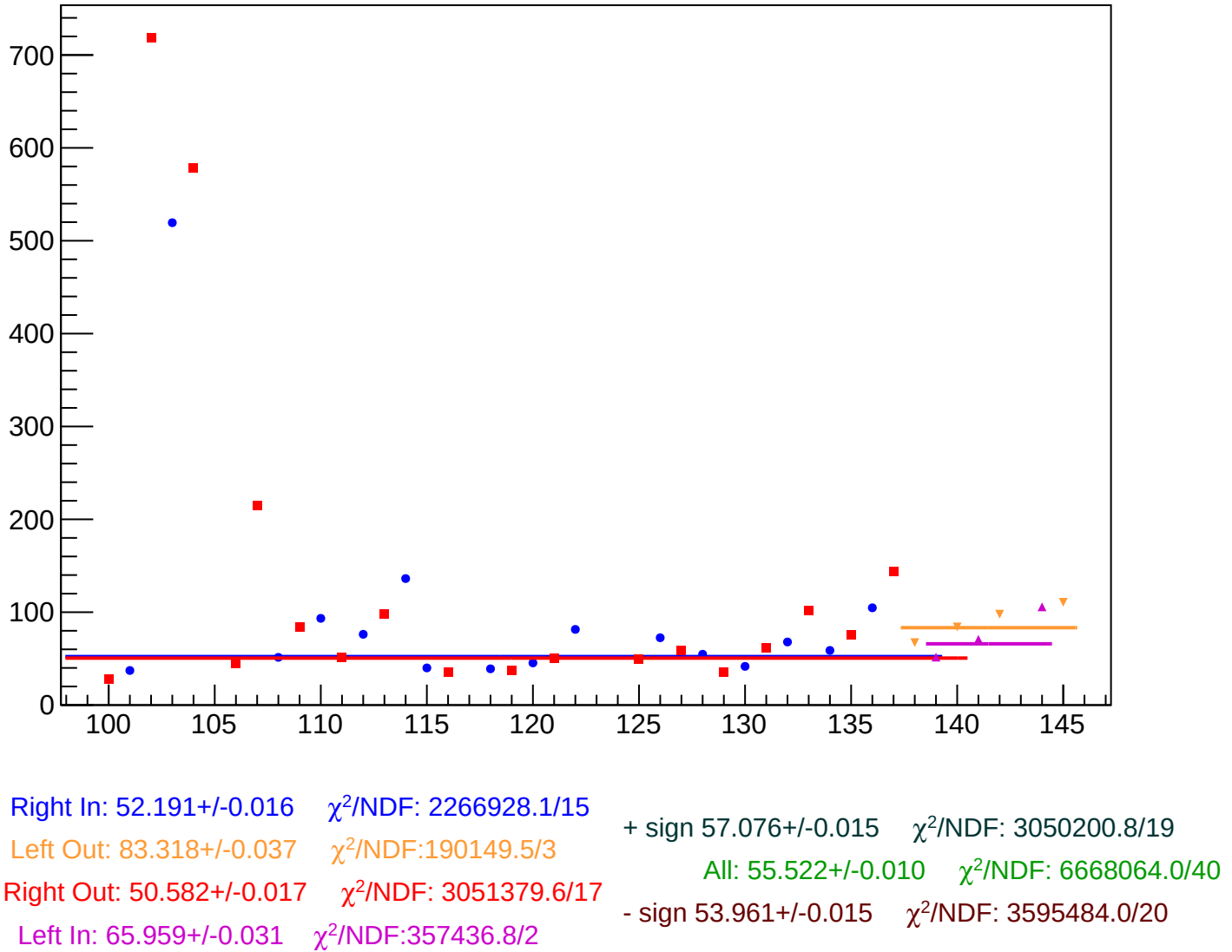
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

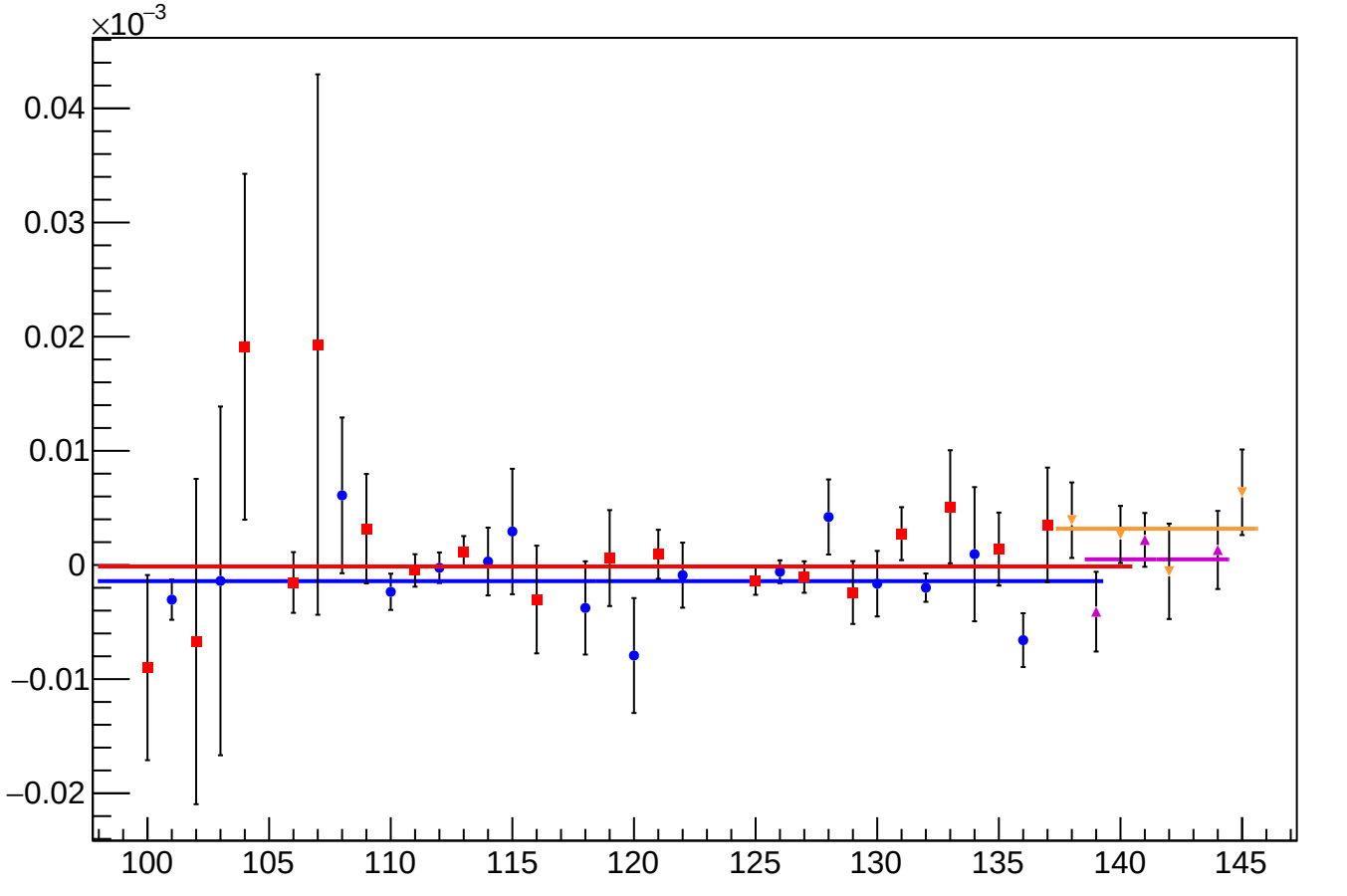
Left In: -0.005+/-0.044 χ^2/NDF:5.9/2

\+ sign -0.004+/-0.021 χ^2/NDF: 18.8/19

All: 0.001+/-0.015 χ^2/NDF: 37.4/40

\- sign 0.006+/-0.021 χ^2/NDF: 18.5/20


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug
700
600
500
400
300
200
100
0
100
105
110
115
120
125
130
135
140
145
Right In: 52.191+/-0.016 χ²/NDF: 2266928.1/15
Left Out: 83.318+/-0.037 χ²/NDF:190149.5/3
Right Out: 50.582+/-0.017 χ²/NDF: 3051379.6/17
Left In: 65.959+/-0.031 χ²/NDF:357436.8/2
+ sign 57.076+/-0.015 χ²/NDF: 3050200.8/19
All: 55.522+/-0.010 χ²/NDF: 6668064.0/40
- sign 53.961+/-0.015 χ²/NDF: 3595484.0/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

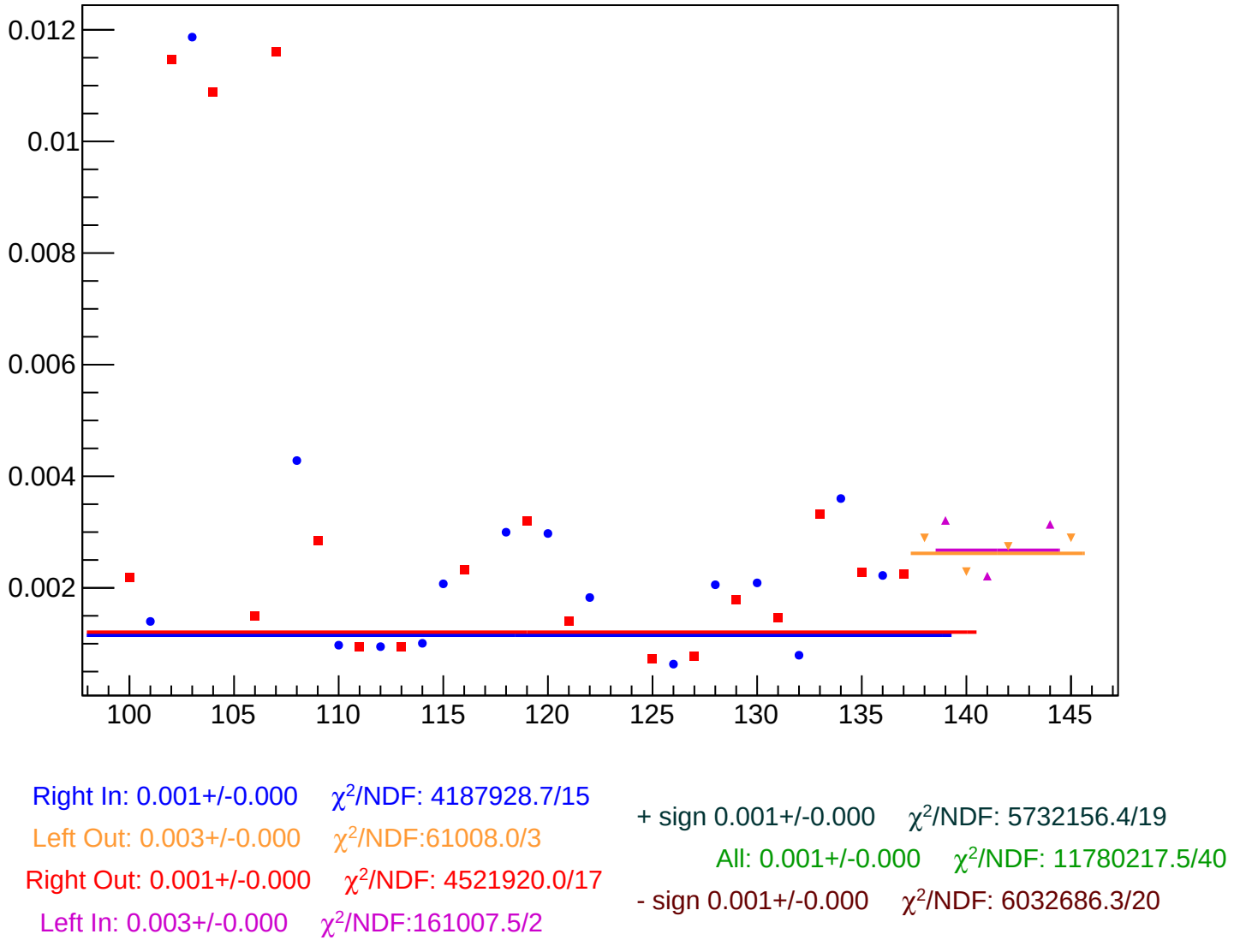
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/2

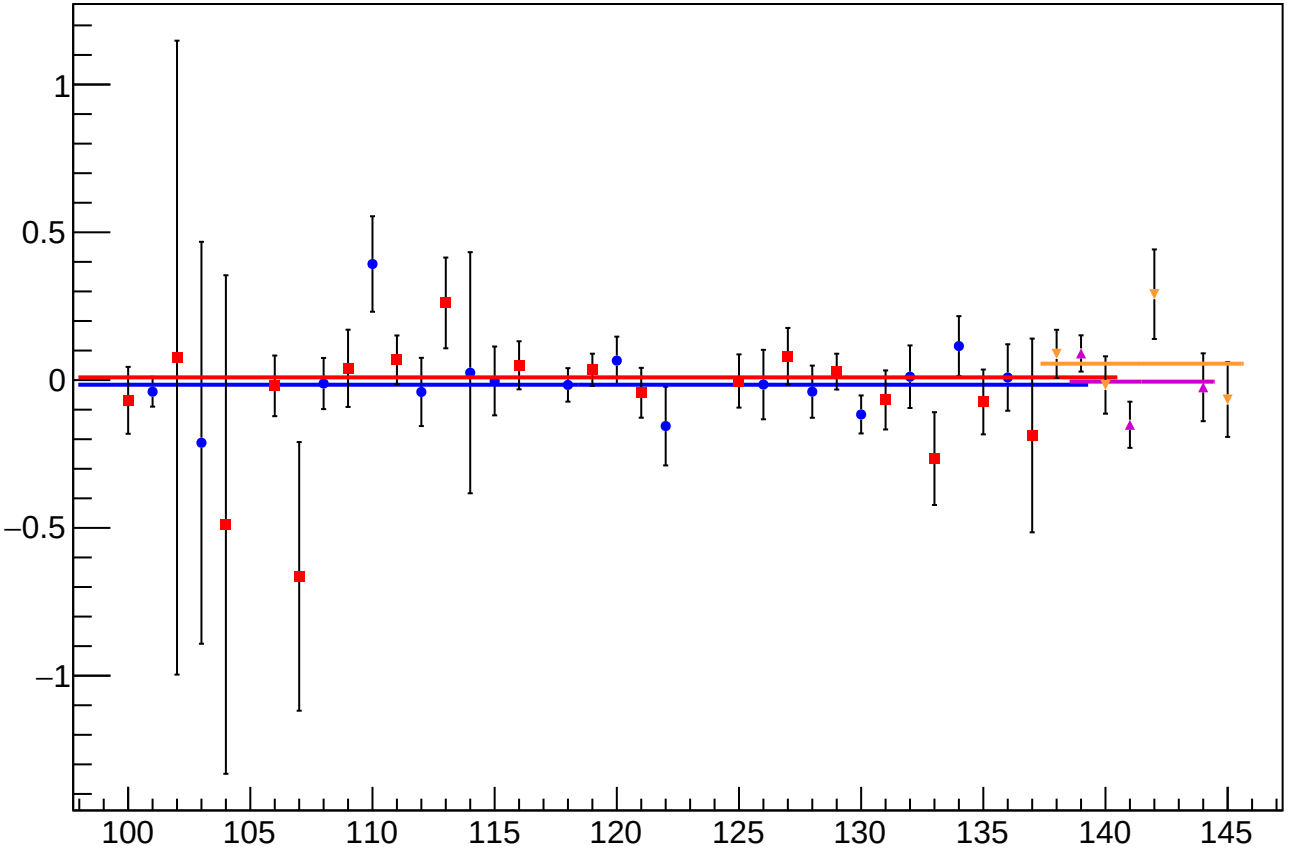
+ sign -0.000+/-0.000 χ^2/NDF: 23.8/19

All: -0.000+/-0.000 χ^2/NDF: 39.5/40

- sign -0.000+/-0.000 χ^2/NDF: 14.0/20


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
105
110
115
120
125
130
135
140
145
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: 0.003+/-0.000 χ²/NDF:161007.5/2
+ sign 0.001+/-0.000 χ²/NDF: 5732156.4/19
All: 0.001+/-0.000 χ²/NDF: 11780217.5/40
- sign 0.001+/-0.000 χ²/NDF: 6032686.3/20

asym_usl_atl1_avg_eigen_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

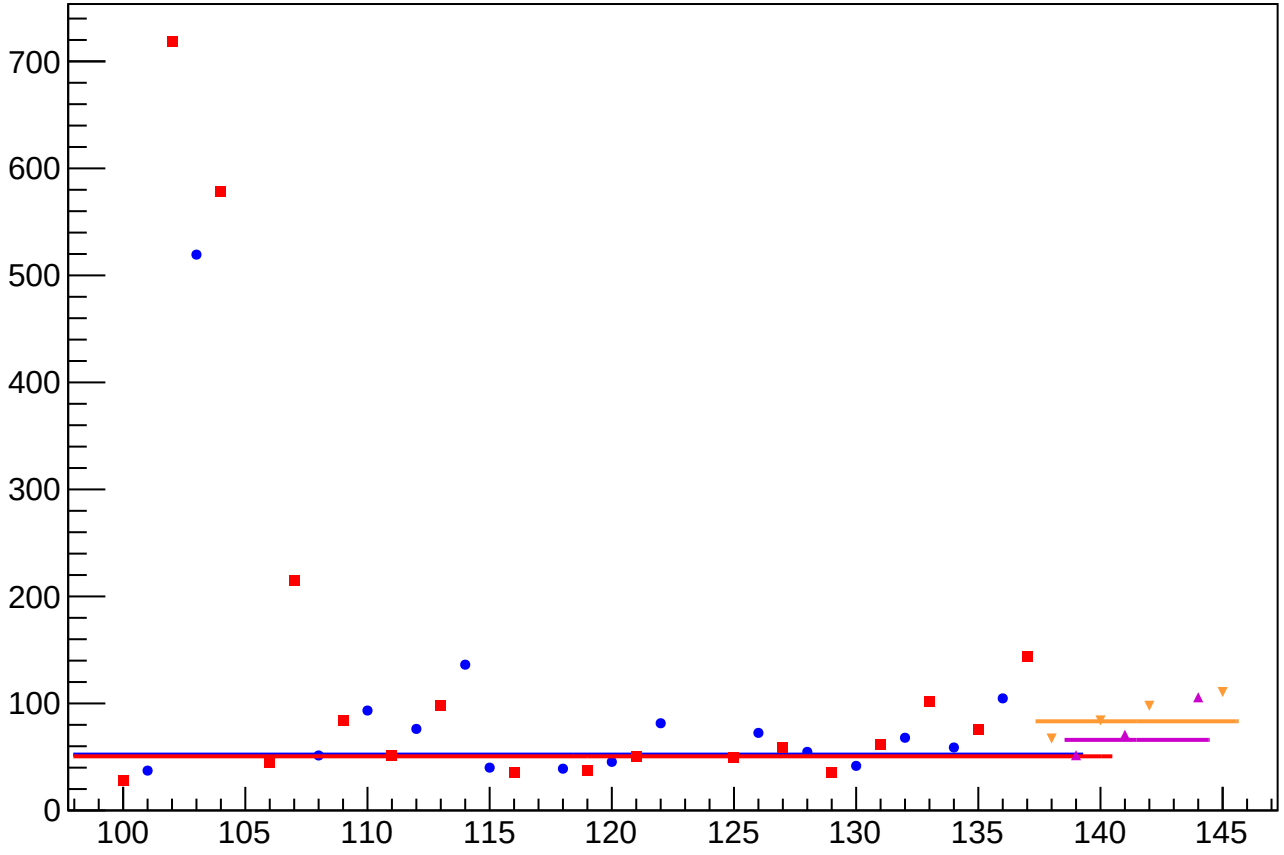
Left In: -0.005+/-0.044 χ^2/NDF:5.9/2

+ sign -0.004+/-0.021 χ^2/NDF: 18.8/19

All: 0.001+/-0.015 χ^2/NDF: 37.4/40

- sign 0.006+/-0.021 χ^2/NDF: 18.5/20

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

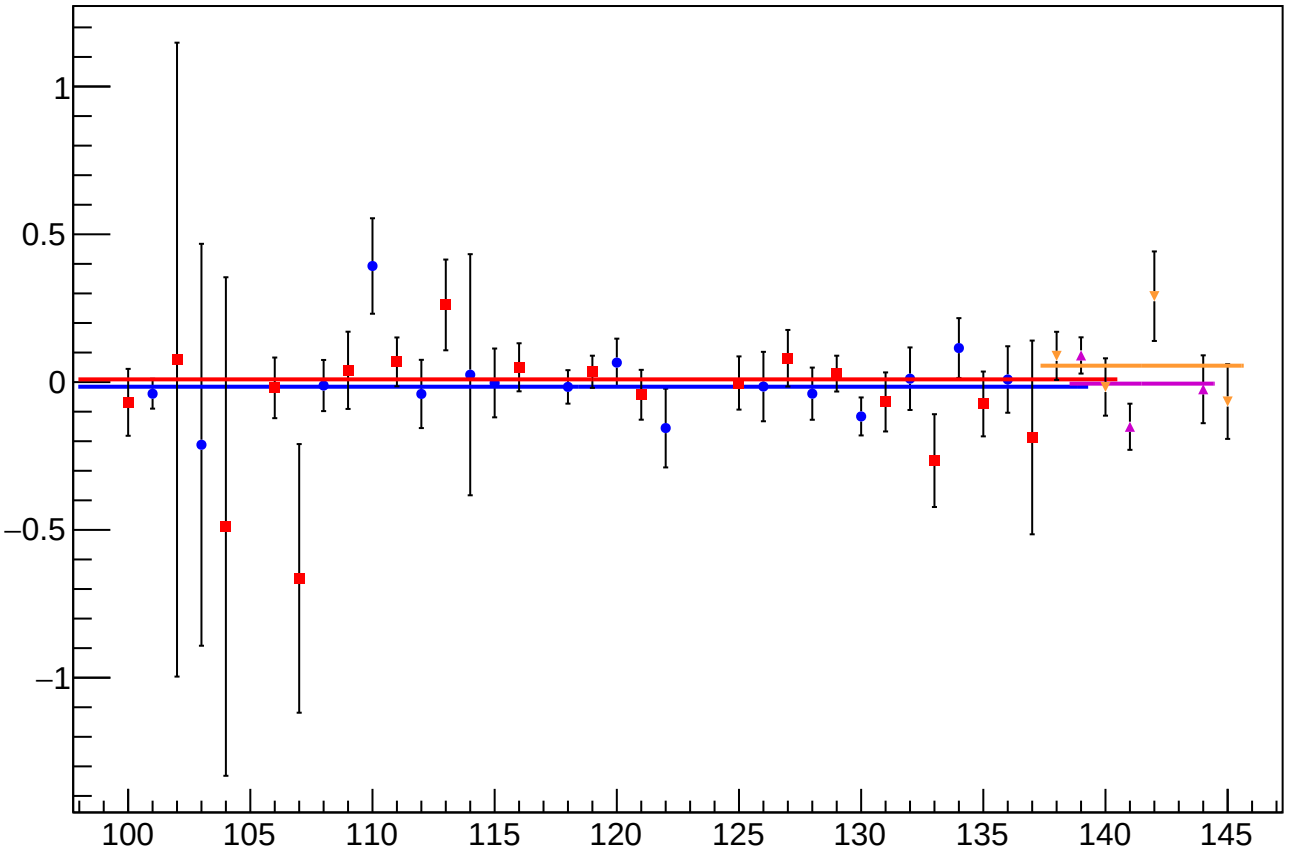
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 65.959+/-0.031 χ^2/NDF:357435.4/2

+ sign 57.075+/-0.015 χ^2/NDF: 3050187.4/19

All: 55.522+/-0.010 χ^2/NDF: 6668038.2/40

- sign 53.961+/-0.015 χ^2/NDF: 3595470.3/20



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.056+/-0.052 χ^2/NDF:4.0/3

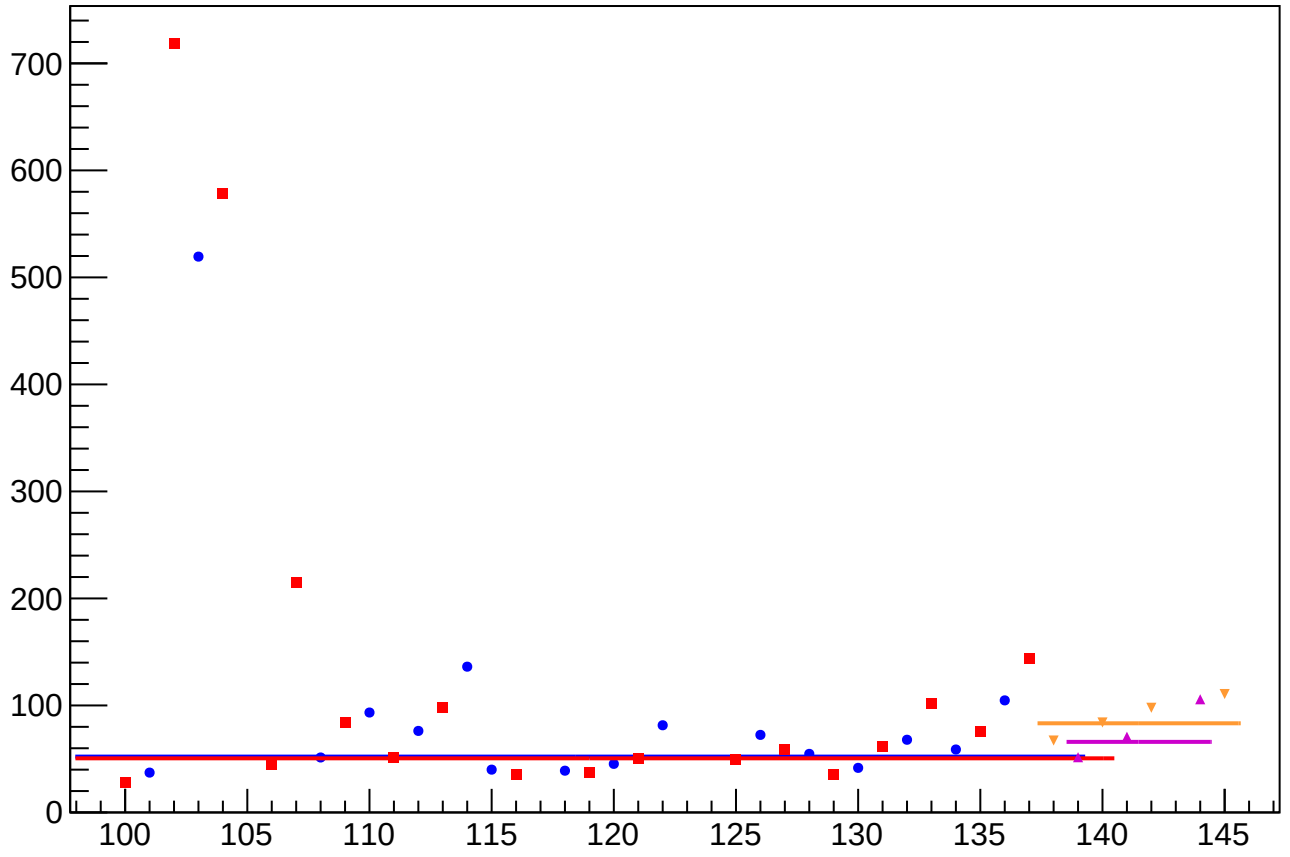
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.044 χ^2/NDF:5.9/2

\+ sign -0.004+/-0.021 χ^2/NDF: 18.8/19

All: 0.001+/-0.015 χ^2/NDF: 37.4/40

\- sign 0.006+/-0.021 χ^2/NDF: 18.5/20



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 83.317+/-0.037 χ^2/NDF:190148.4/3

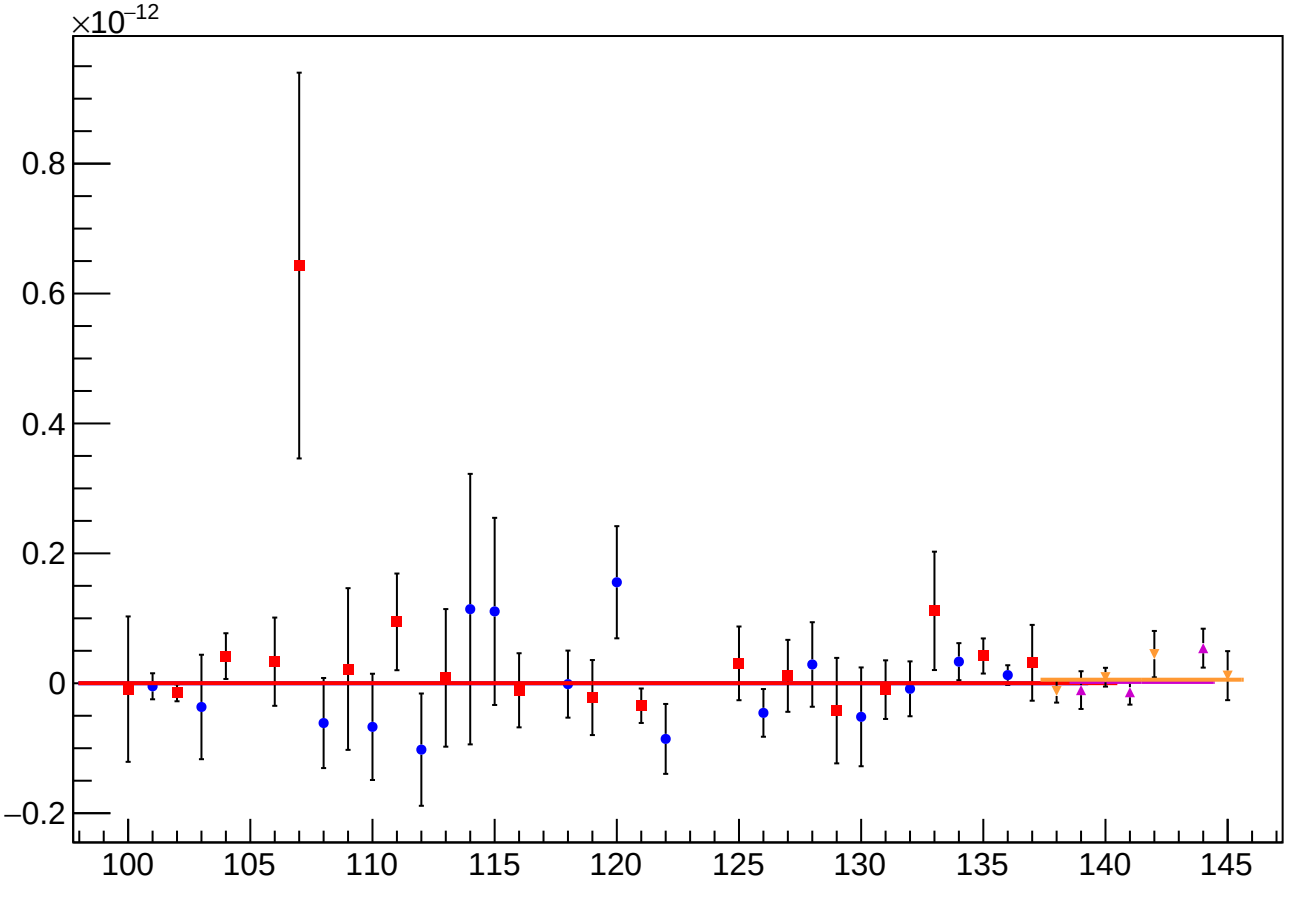
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 65.959+/-0.031 χ^2/NDF:357435.4/2

+ sign 57.075+/-0.015 χ^2/NDF: 3050187.4/19

All: 55.522+/-0.010 χ^2/NDF: 6668038.2/40

- sign 53.961+/-0.015 χ^2/NDF: 3595470.3/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

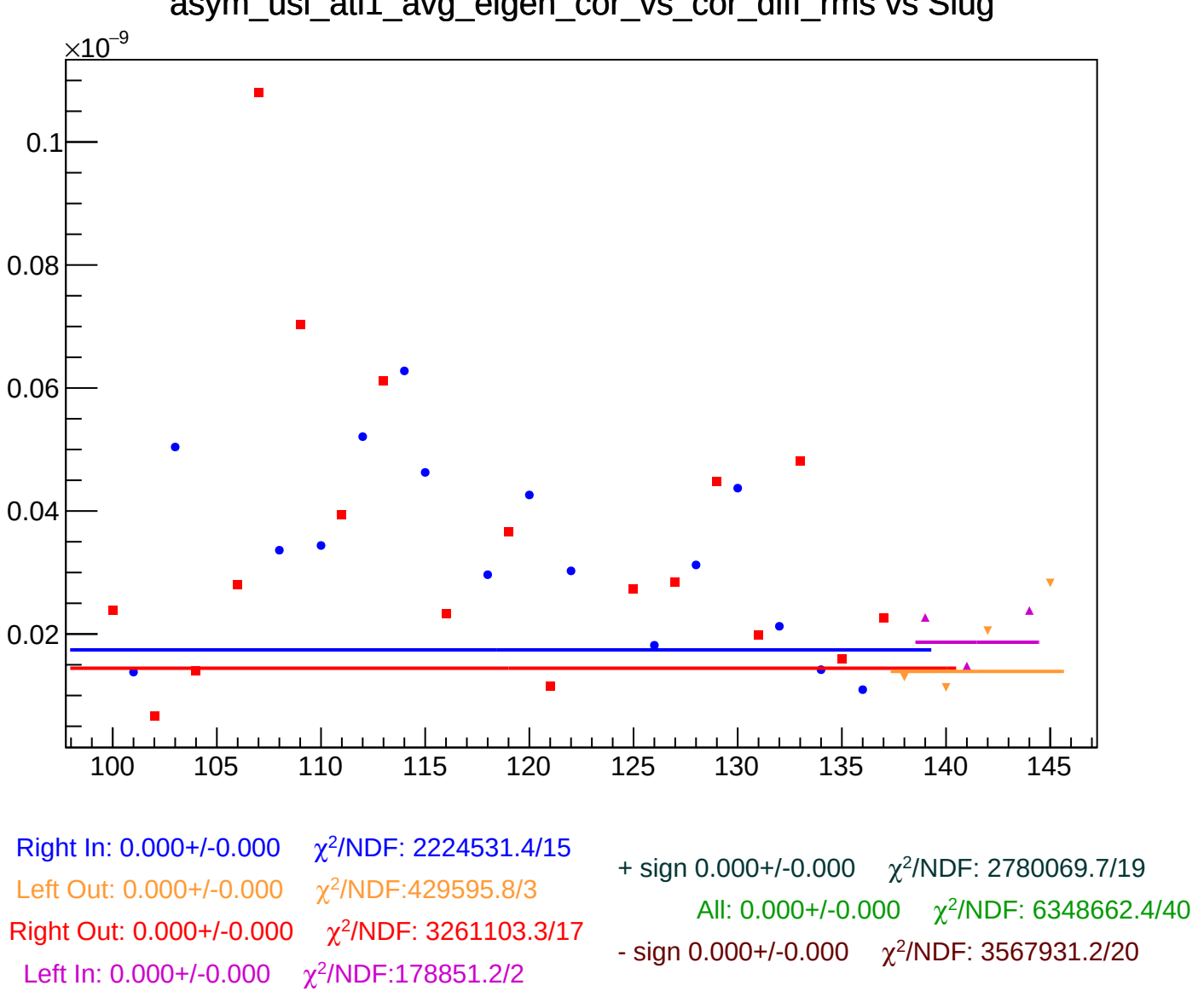
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.9/2

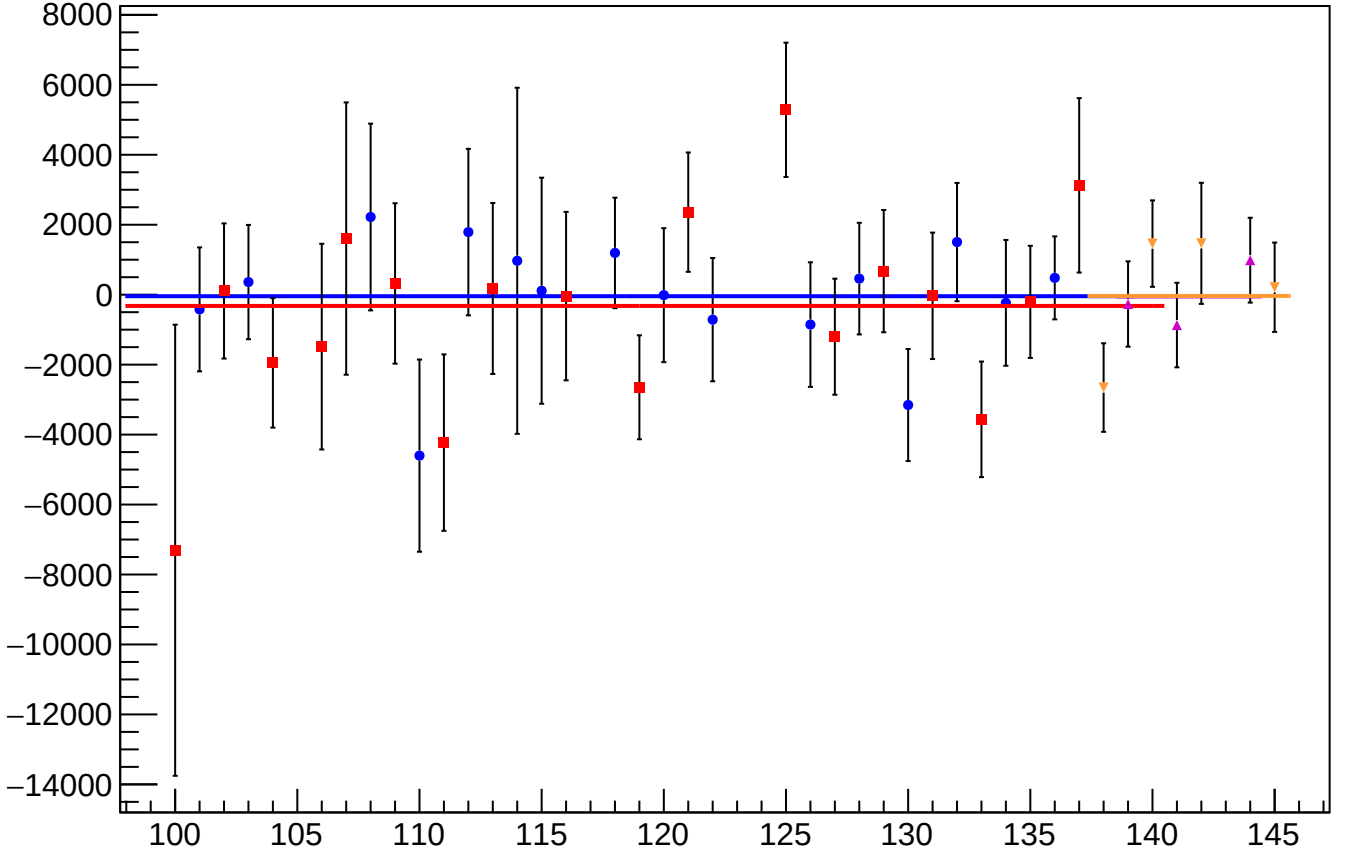
+ sign 0.000+/-0.000 χ^2/NDF: 16.5/19

All: 0.000+/-0.000 χ^2/NDF: 36.4/40

- sign 0.000+/-0.000 χ^2/NDF: 19.9/20


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
105
110
115
120
125
130
135
140
145
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:178851.2/2
+ sign 0.000+/-0.000 χ²/NDF: 2780069.7/19
All: 0.000+/-0.000 χ²/NDF: 6348662.4/40
- sign 0.000+/-0.000 χ²/NDF: 3567931.2/20

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

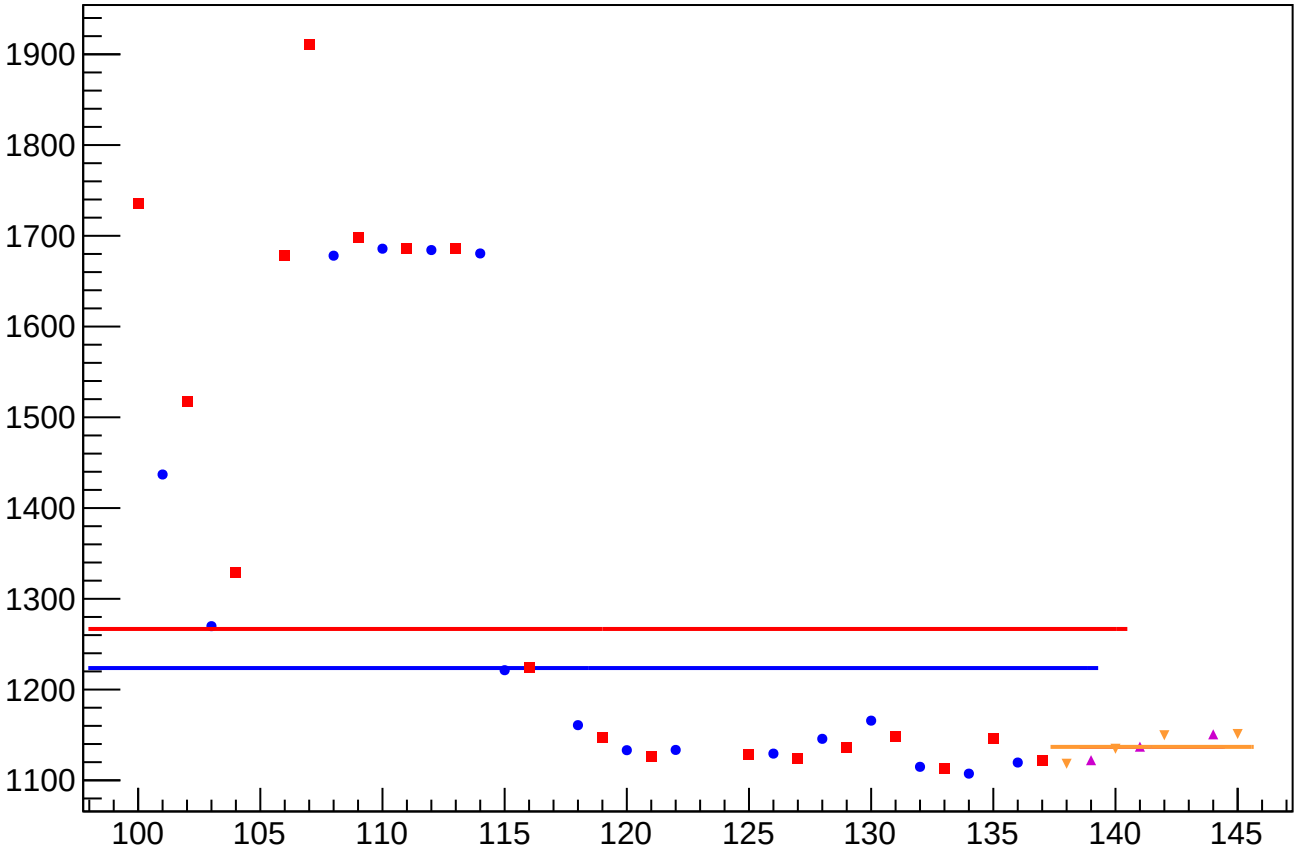
Left In: -50.352+/-700.687 χ^2/NDF:1.2/2

+ sign -41.197+/-378.829 χ^2/NDF: 16.6/19

All: -134.979+/-272.791 χ^2/NDF: 42.9/40

- sign -235.981+/-393.138 χ^2/NDF: 26.1/20

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

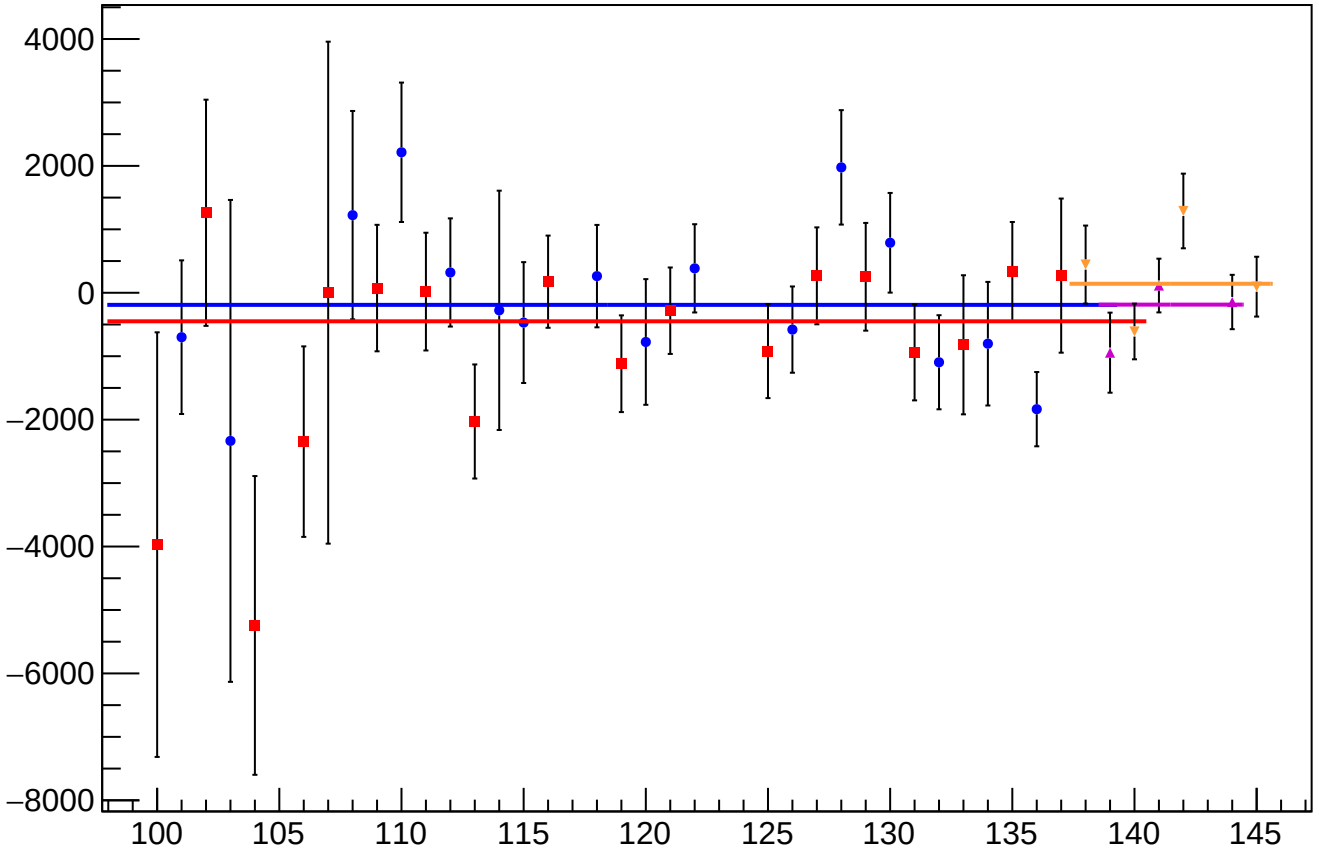
Left In: 1136.716+/-0.495 χ^2/NDF:549.2/2

+ sign 1195.952+/-0.268 χ^2/NDF: 318624.3/19

All: 1210.340+/-0.193 χ^2/NDF: 805228.6/40

- sign 1225.835+/-0.278 χ^2/NDF: 480612.4/20

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

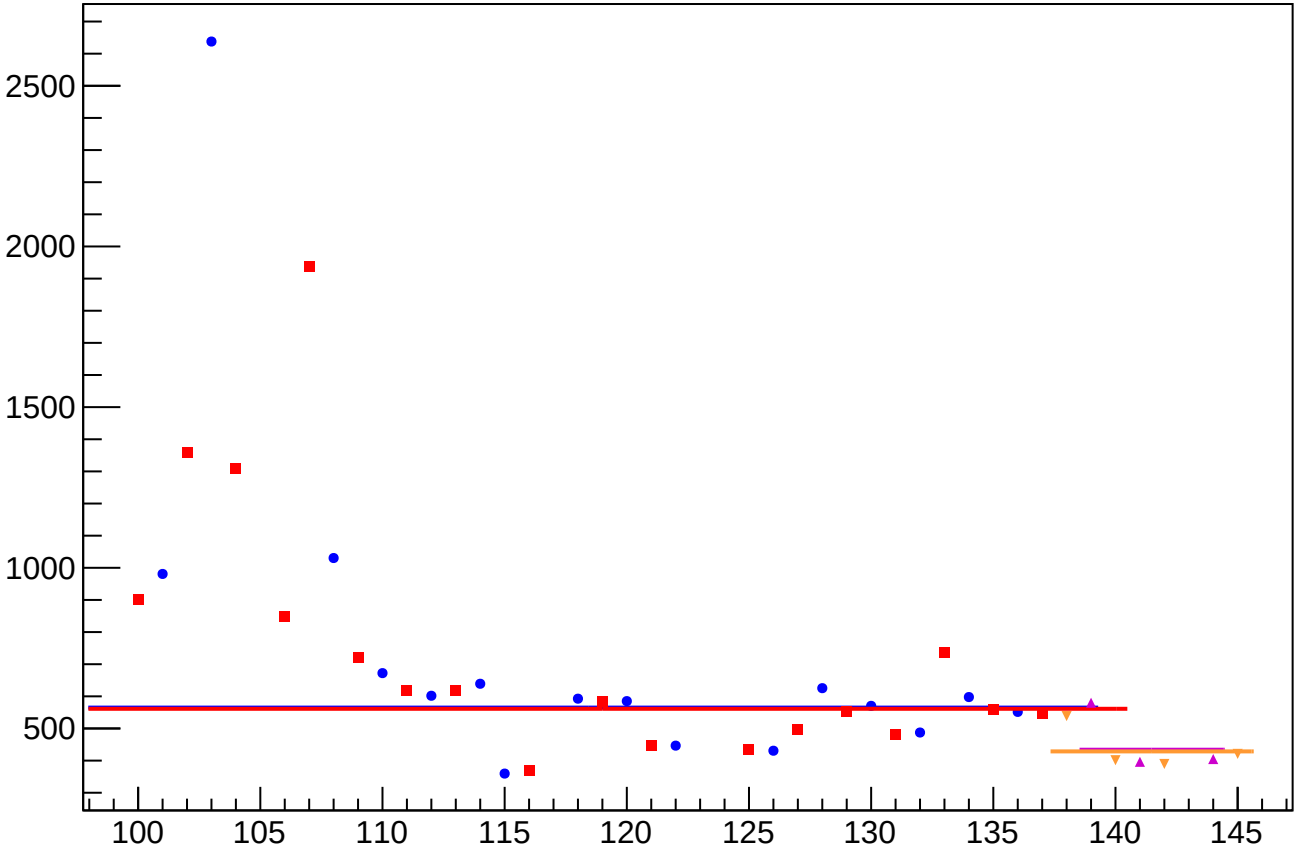
Left In: -186.782+/-271.762 χ^2/NDF:2.0/2

+ sign -47.429+/-168.182 χ^2/NDF: 33.2/19

All: -191.910+/-120.415 χ^2/NDF: 54.0/40

- sign -343.877+/-172.484 χ^2/NDF: 19.3/20

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

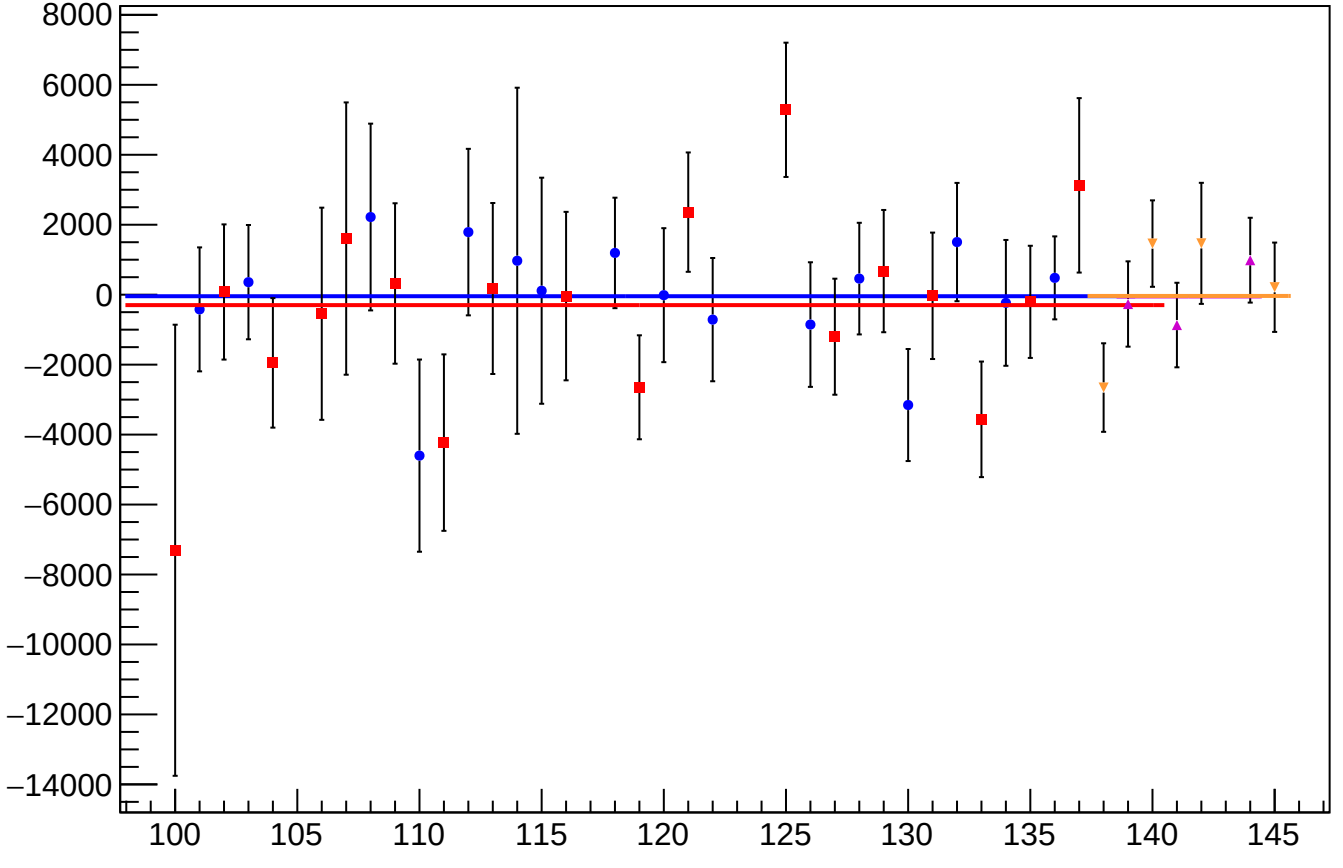
Left In: 433.867+/-0.192 χ^2/NDF:132256.4/2

+ sign 506.271+/-0.119 χ^2/NDF: 1687613.6/19

All: 508.056+/-0.085 χ^2/NDF: 3434951.3/40

- sign 509.932+/-0.122 χ^2/NDF: 1746875.9/20

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

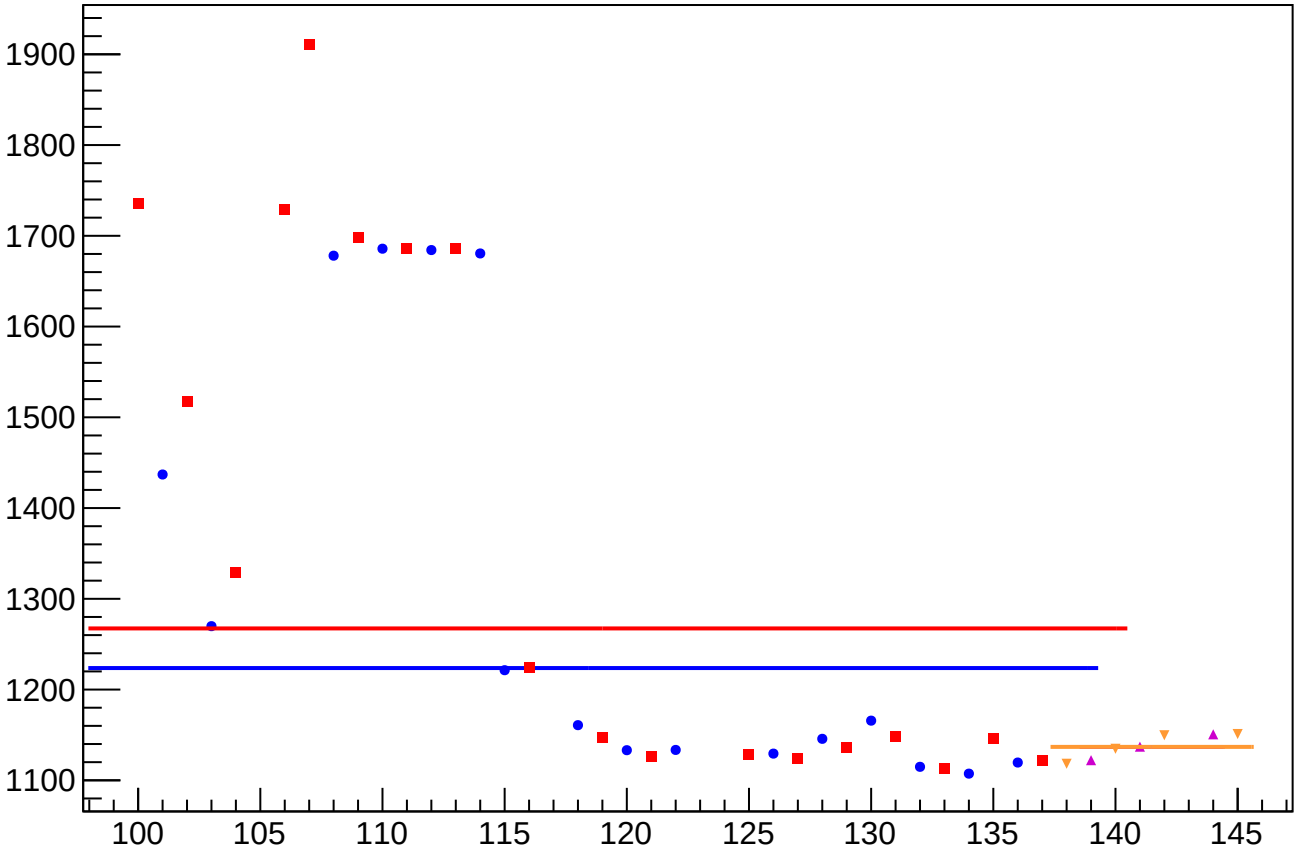
Left In: -50.244+/-700.687 χ^2/NDF:1.2/2

+ sign -41.360+/-378.829 χ^2/NDF: 16.6/19

All: -127.352+/-272.862 χ^2/NDF: 42.7/40

- sign -220.063+/-393.351 χ^2/NDF: 25.9/20

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

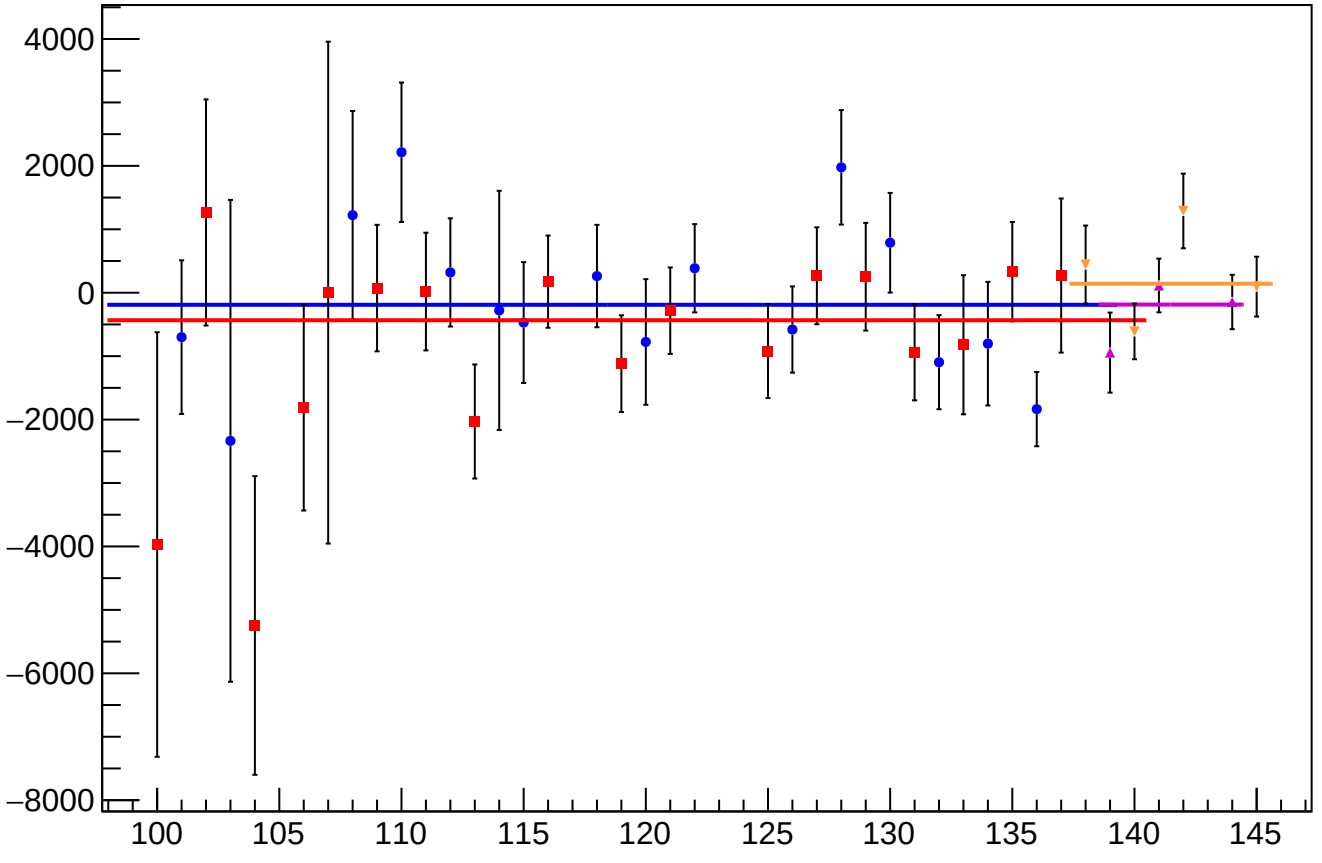
Left In: 1136.716+/-0.495 χ^2/NDF:549.2/2

+ sign 1195.952+/-0.268 χ^2/NDF: 318624.4/19

All: 1210.503+/-0.193 χ^2/NDF: 812906.4/40

- sign 1226.190+/-0.278 χ^2/NDF: 488150.2/20

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

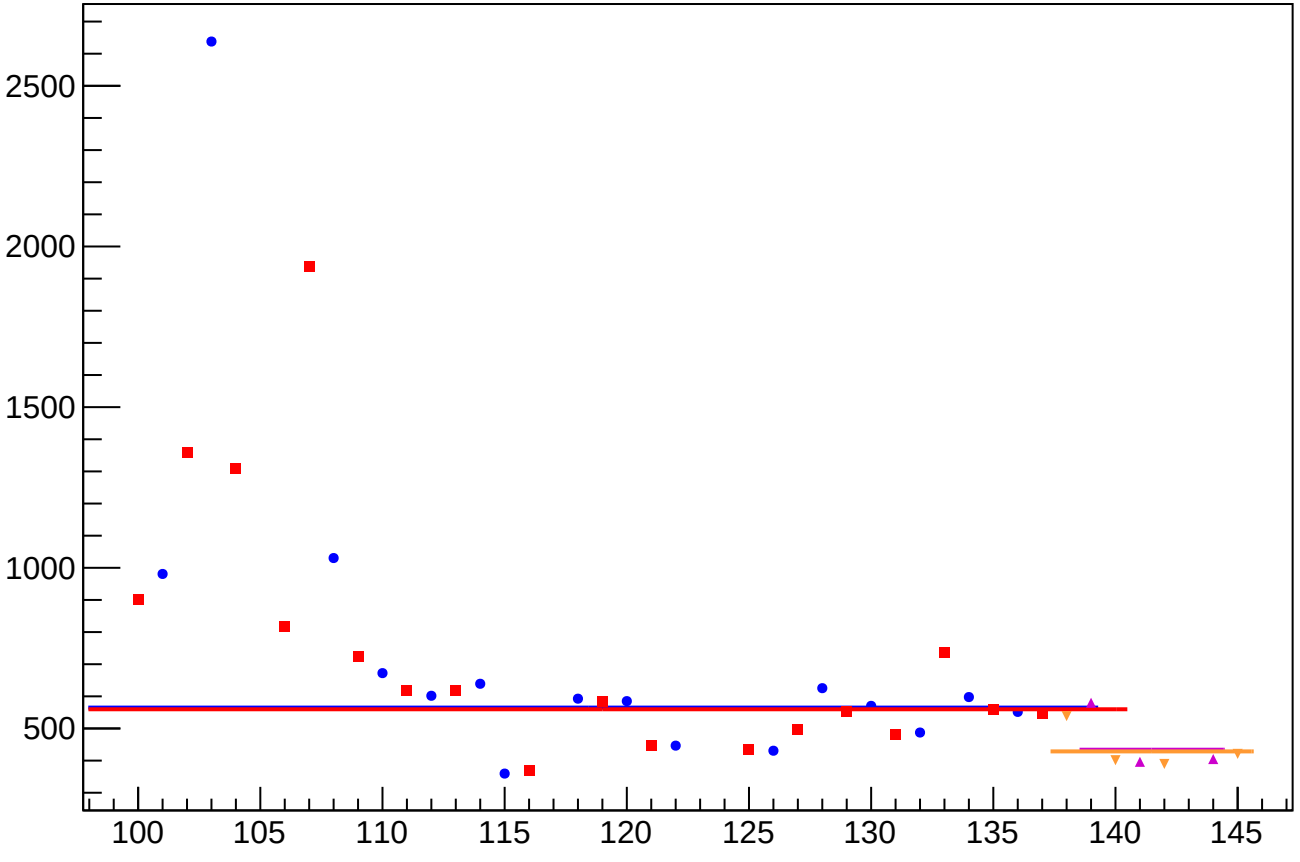
Left In: -186.768+/-271.763 χ^2/NDF:2.0/2

+ sign -47.469+/-168.181 χ^2/NDF: 33.2/19

All: -187.058+/-120.469 χ^2/NDF: 53.0/40

- sign -334.152+/-172.643 χ^2/NDF: 18.4/20

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

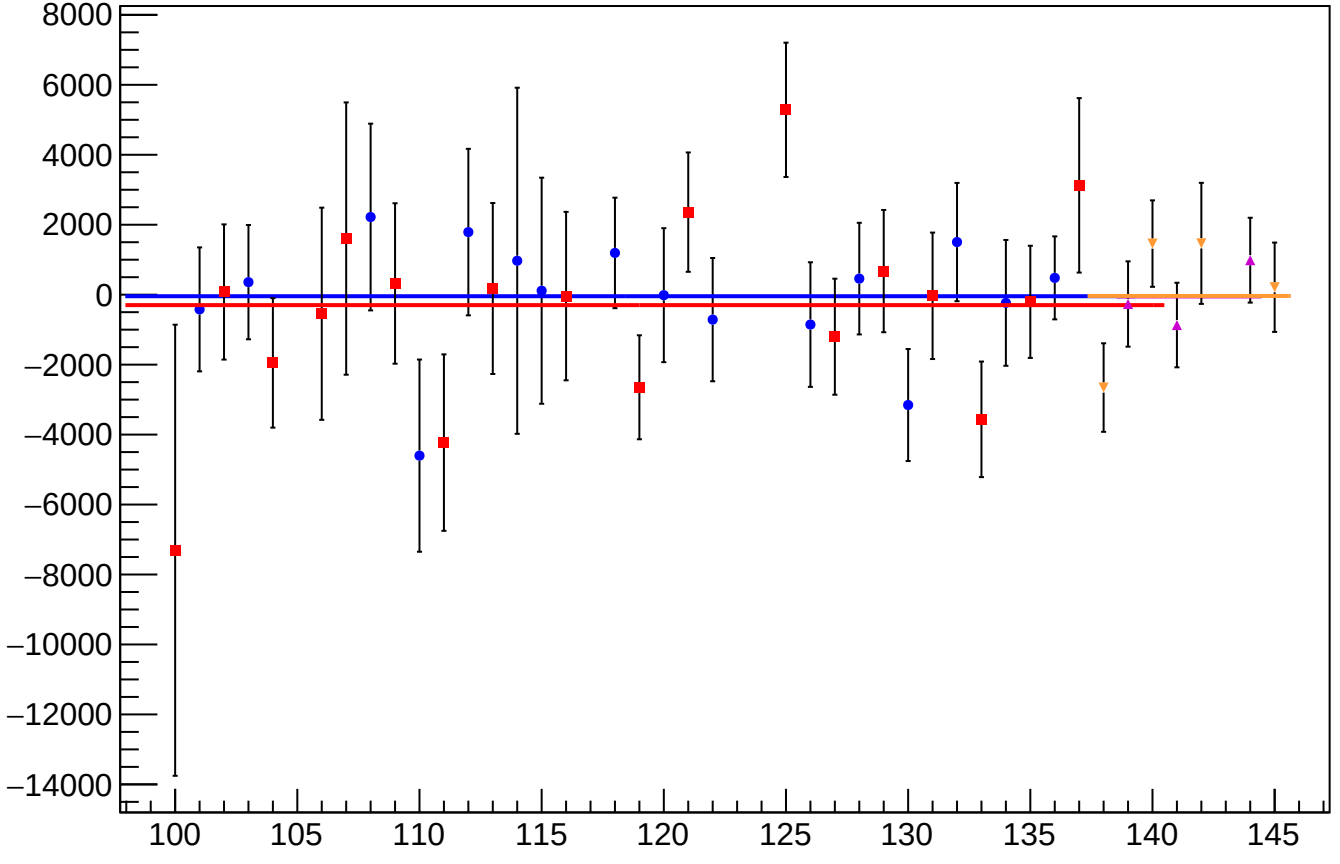
Left In: 433.868+/-0.192 χ^2/NDF:132250.8/2

+ sign 506.269+/-0.119 χ^2/NDF: 1687552.8/19

All: 507.576+/-0.085 χ^2/NDF: 3405379.2/40

- sign 508.952+/-0.122 χ^2/NDF: 1717578.5/20

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

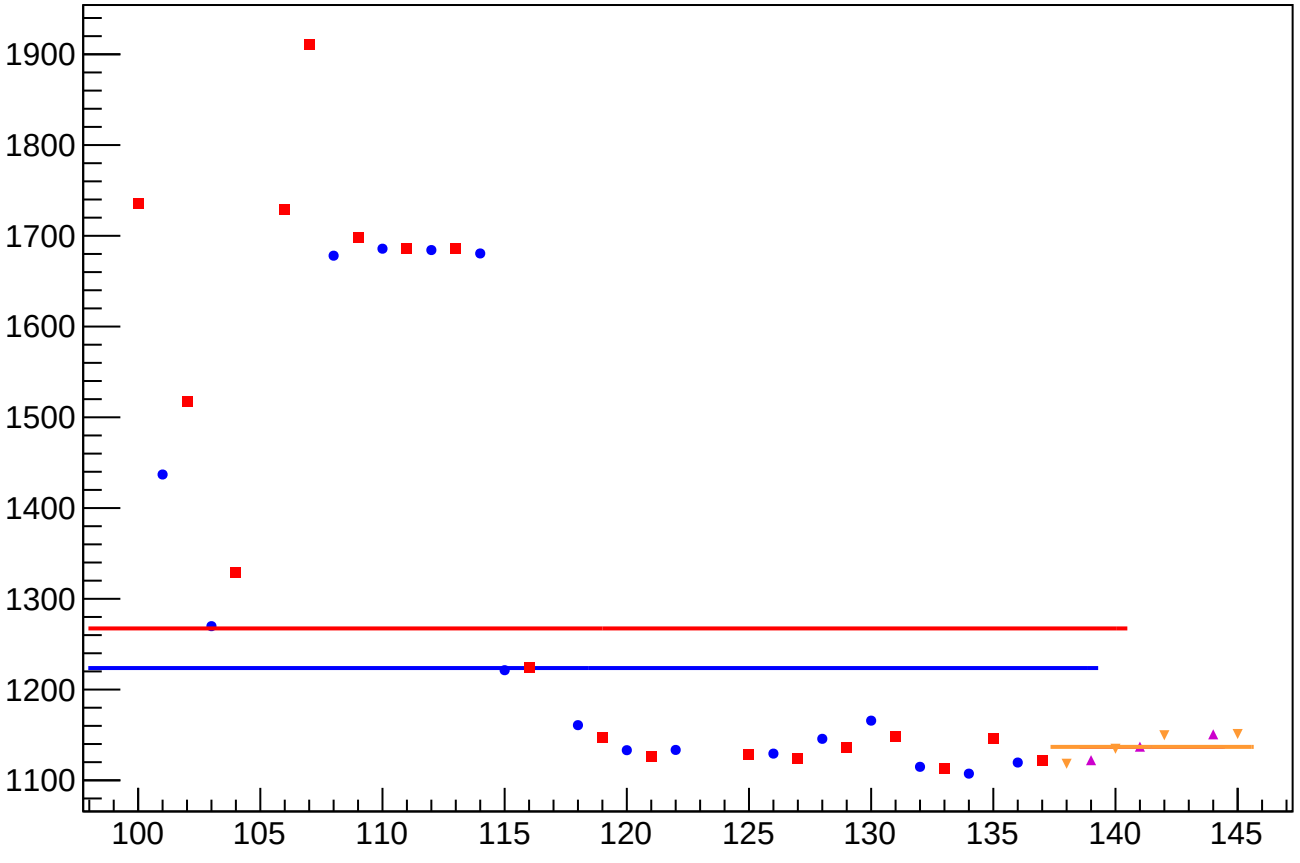
Left In: -50.244+/-700.687 χ^2/NDF:1.2/2

+ sign -41.360+/-378.829 χ^2/NDF: 16.6/19

All: -127.352+/-272.862 χ^2/NDF: 42.7/40

- sign -220.063+/-393.351 χ^2/NDF: 25.9/20

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

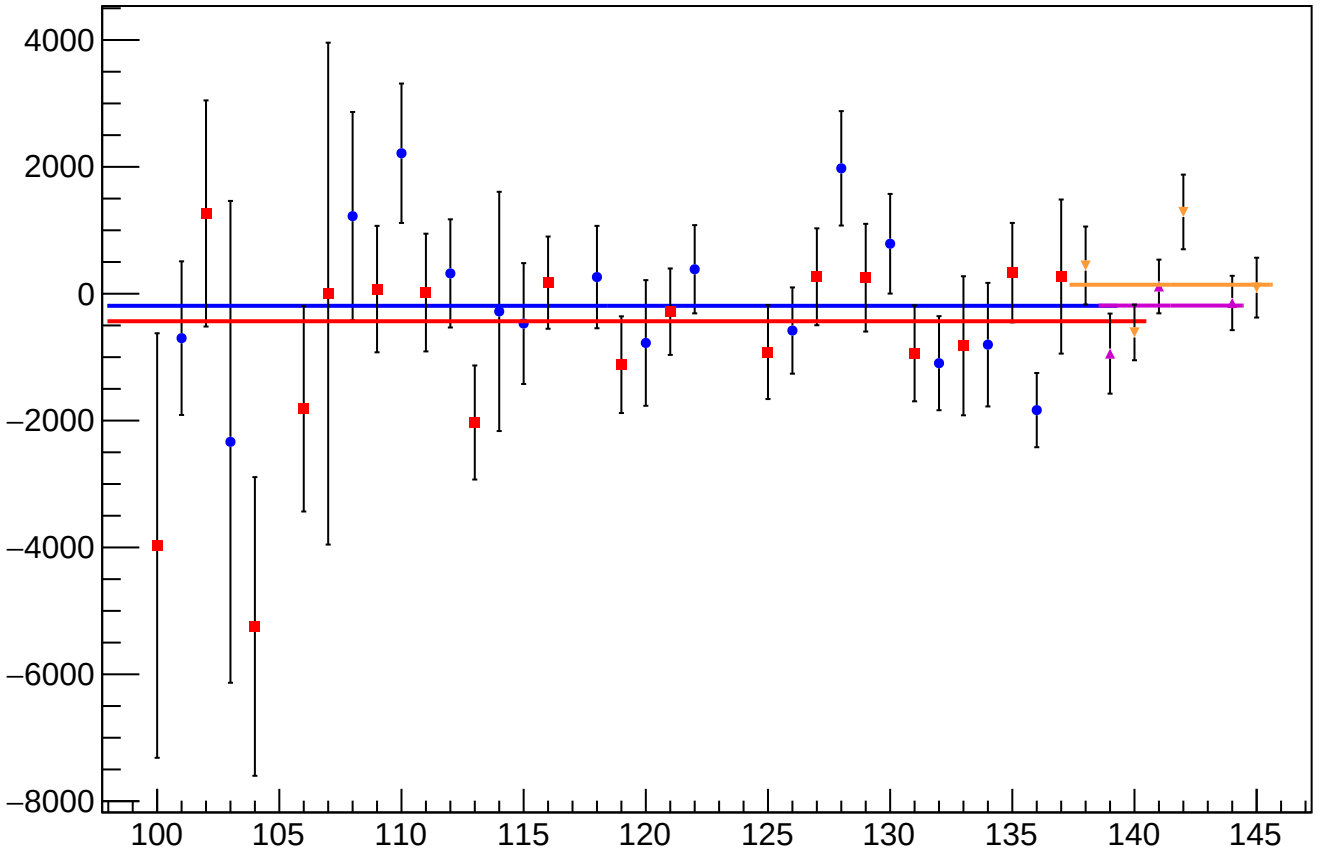
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1136.716+/-0.495 χ^2/NDF:549.2/2

+ sign 1195.952+/-0.268 χ^2/NDF: 318624.4/19

All: 1210.503+/-0.193 χ^2/NDF: 812906.4/40

- sign 1226.190+/-0.278 χ^2/NDF: 488150.2/20



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

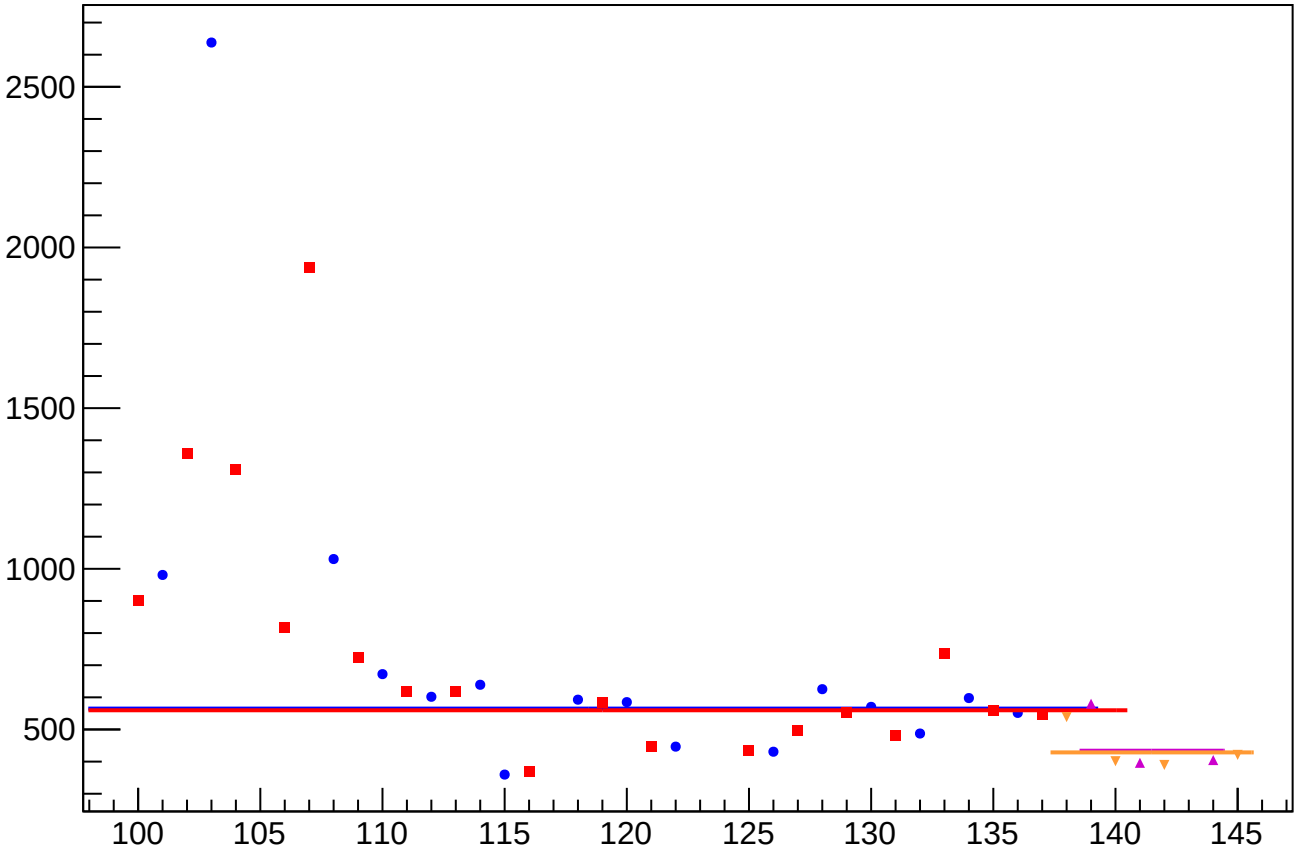
Left In: -186.768+/-271.763 χ^2/NDF:2.0/2

+ sign -47.469+/-168.181 χ^2/NDF: 33.2/19

All: -187.058+/-120.469 χ^2/NDF: 53.0/40

- sign -334.152+/-172.643 χ^2/NDF: 18.4/20

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

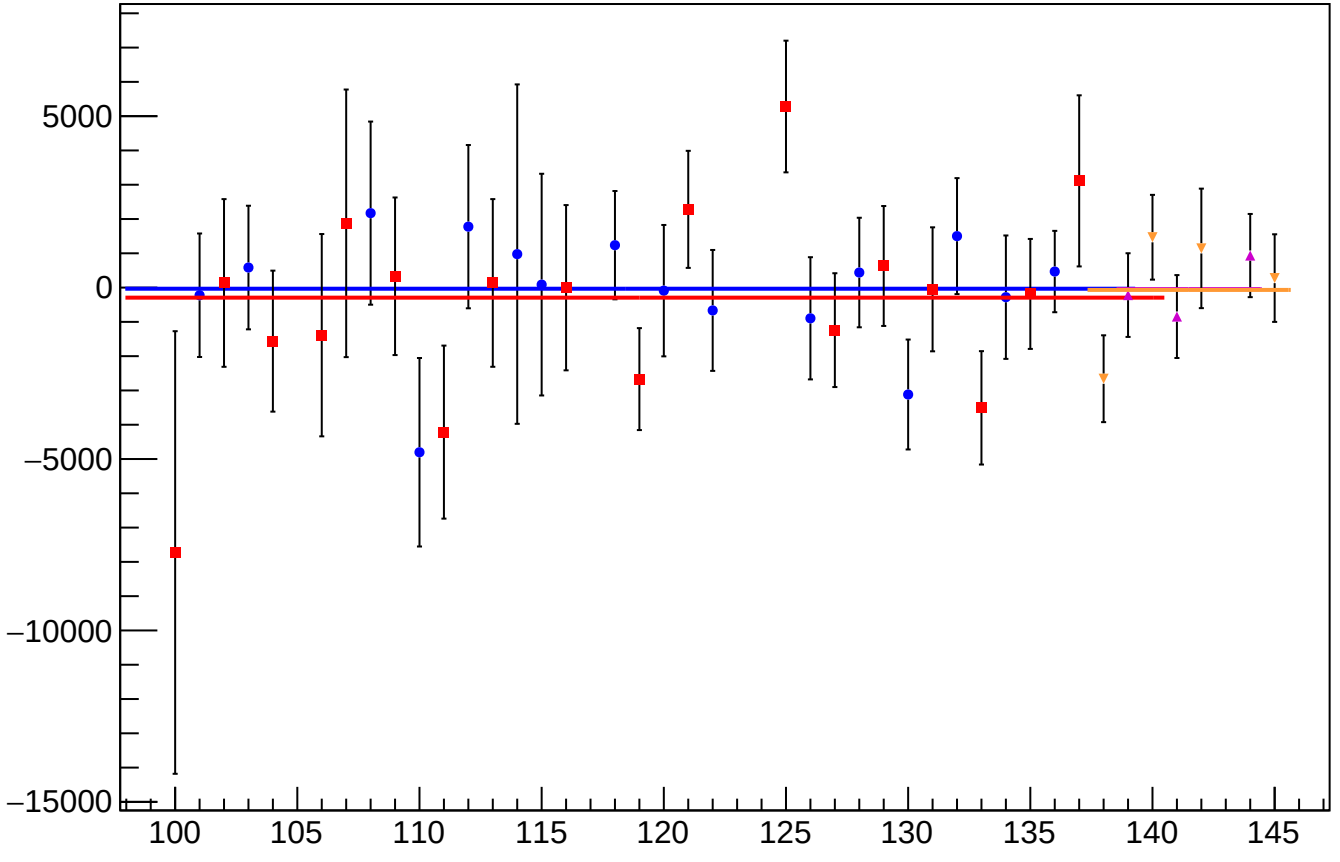
Left In: 433.868+/-0.192 χ^2/NDF:132250.8/2

+ sign 506.269+/-0.119 χ^2/NDF: 1687552.8/19

All: 507.576+/-0.085 χ^2/NDF: 3405379.2/40

- sign 508.952+/-0.122 χ^2/NDF: 1717578.5/20

dit_asym_usl_atl1_dd_mean vs Slug



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

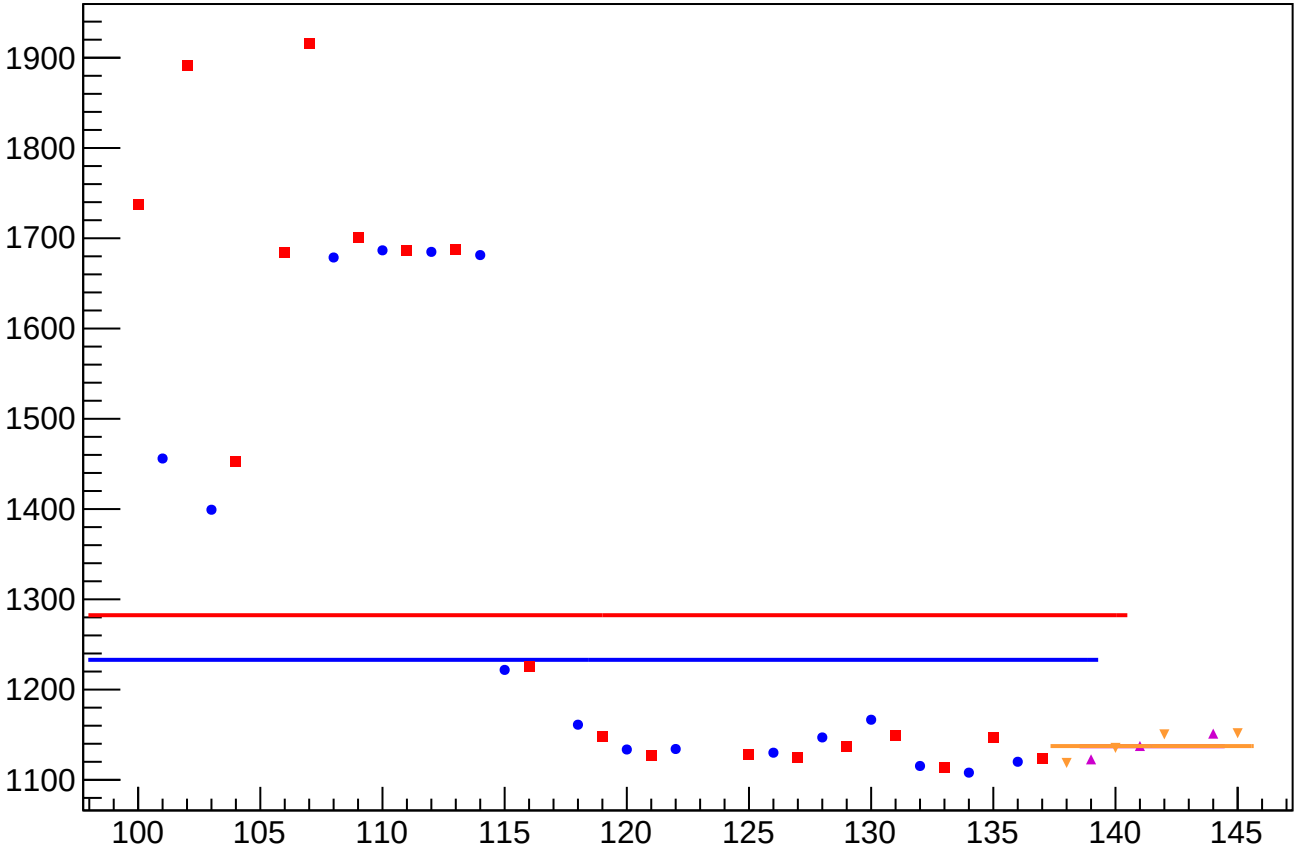
Left In: -44.084+/-701.003 χ^2/NDF:1.1/2

+ sign -44.299+/-381.244 χ^2/NDF: 16.5/19

All: -124.954+/-275.379 χ^2/NDF: 42.1/40

- sign -212.943+/-398.198 χ^2/NDF: 25.4/20

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

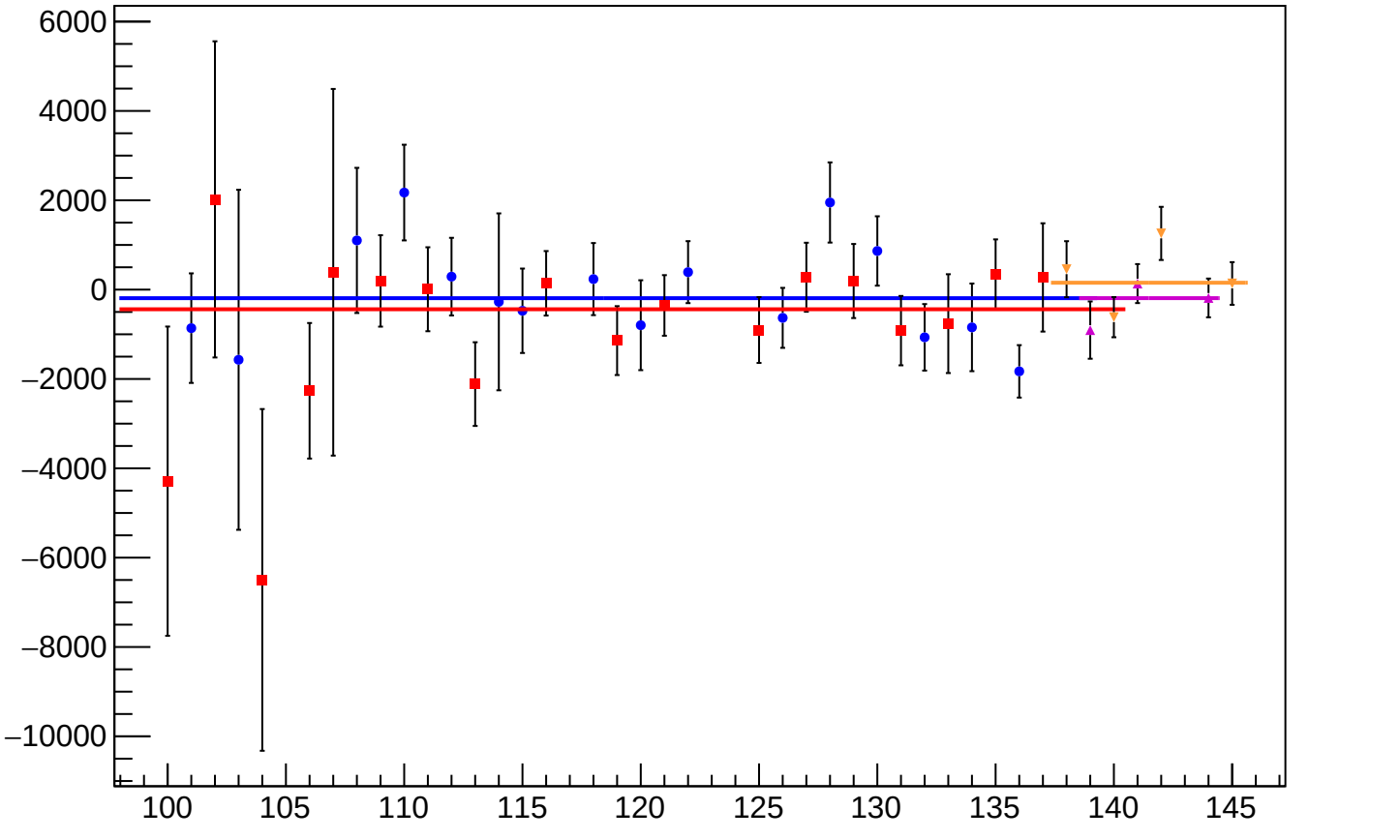
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1137.228+/-0.496 χ^2/NDF:548.5/2

+ sign 1202.142+/-0.270 χ^2/NDF: 343719.3/19

All: 1218.125+/-0.195 χ^2/NDF: 953125.1/40

- sign 1235.562+/-0.282 χ^2/NDF: 602055.5/20



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

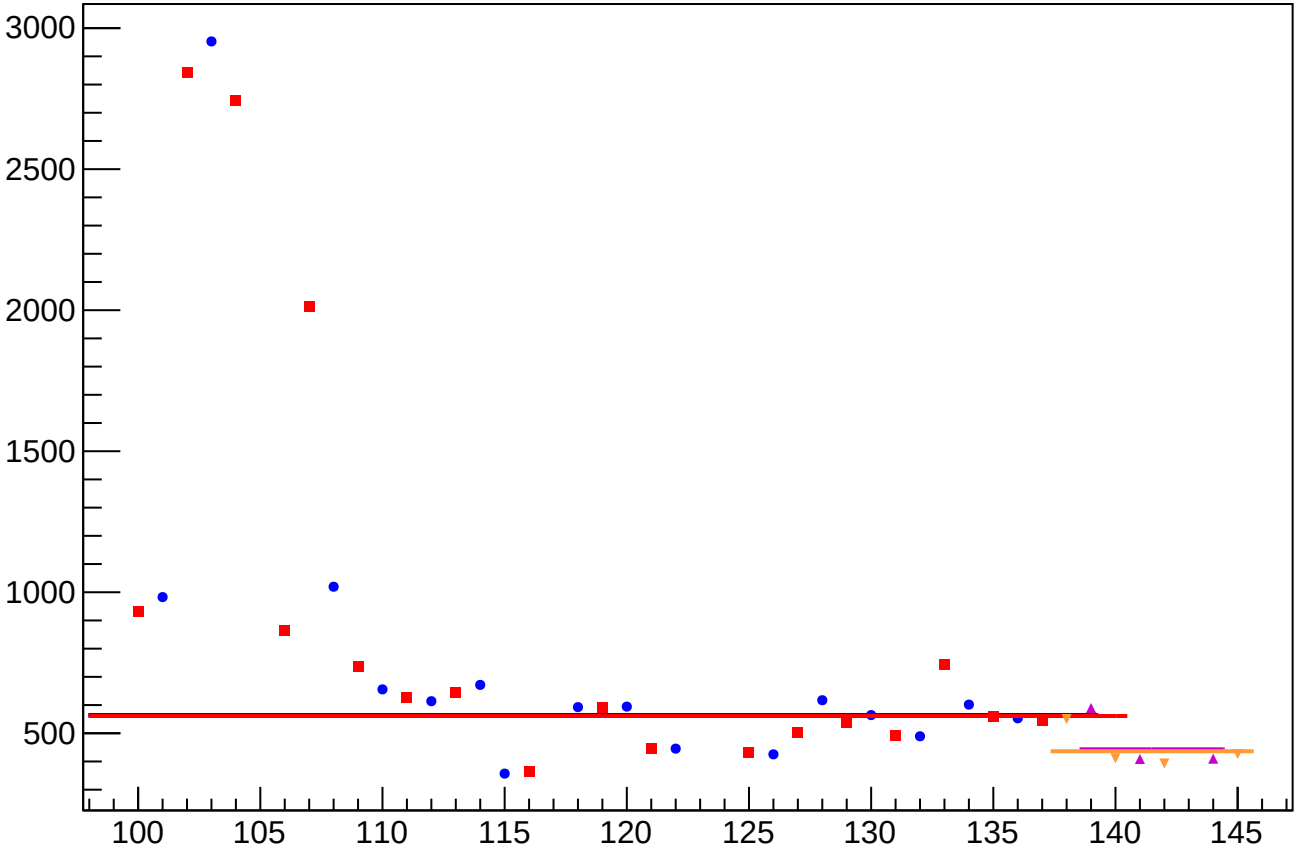
Left In: -190.894+/-277.340 χ^2/NDF:1.8/2

+ sign -45.684+/-169.404 χ^2/NDF: 32.9/19

All: -187.682+/-121.877 χ^2/NDF: 51.3/40

- sign -340.043+/-175.476 χ^2/NDF: 16.9/20

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

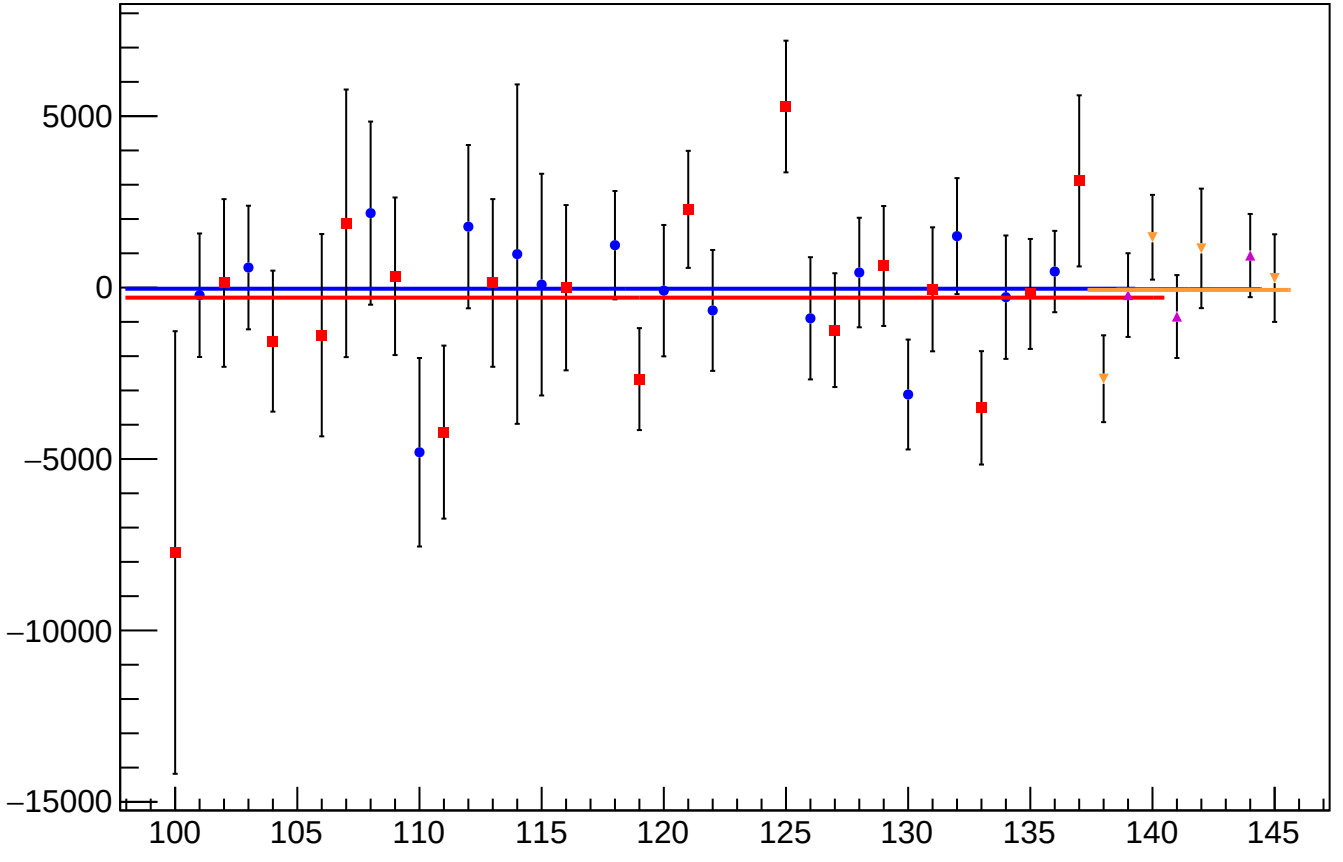
Left In: 443.181+/-0.196 χ^2/NDF:128347.3/2

+ sign 510.634+/-0.120 χ^2/NDF: 1845336.2/19

All: 512.257+/-0.086 χ^2/NDF: 4464887.9/40

- sign 513.998+/-0.124 χ^2/NDF: 2619171.4/20

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

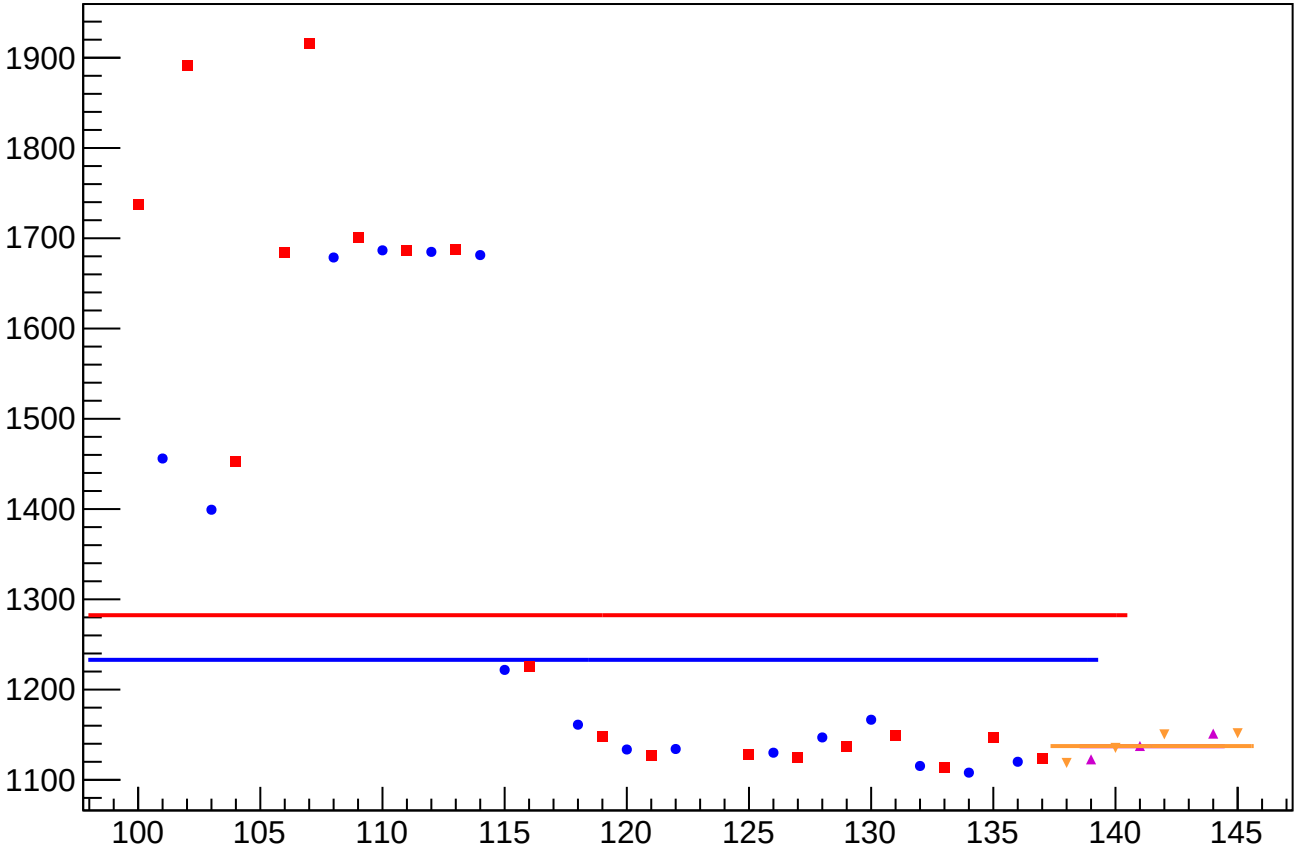
Left In: -44.085+/-701.003 χ^2/NDF:1.1/2

+ sign -44.299+/-381.244 χ^2/NDF: 16.5/19

All: -124.954+/-275.379 χ^2/NDF: 42.1/40

- sign -212.943+/-398.198 χ^2/NDF: 25.4/20

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

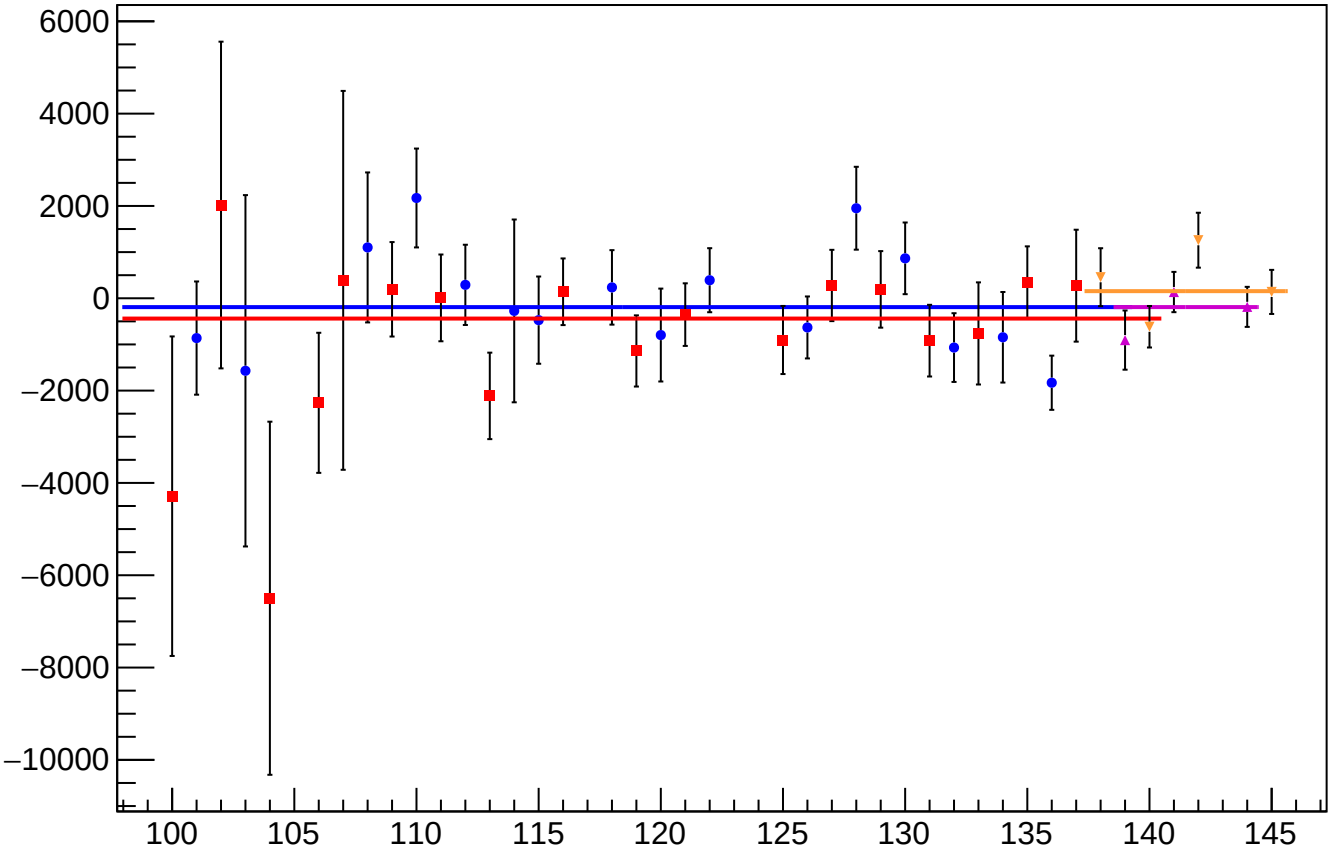
Left In: 1137.228+/-0.496 χ^2/NDF:548.5/2

+ sign 1202.141+/-0.270 χ^2/NDF: 343718.9/19

All: 1218.125+/-0.195 χ^2/NDF: 953124.1/40

- sign 1235.562+/-0.282 χ^2/NDF: 602054.9/20

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



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

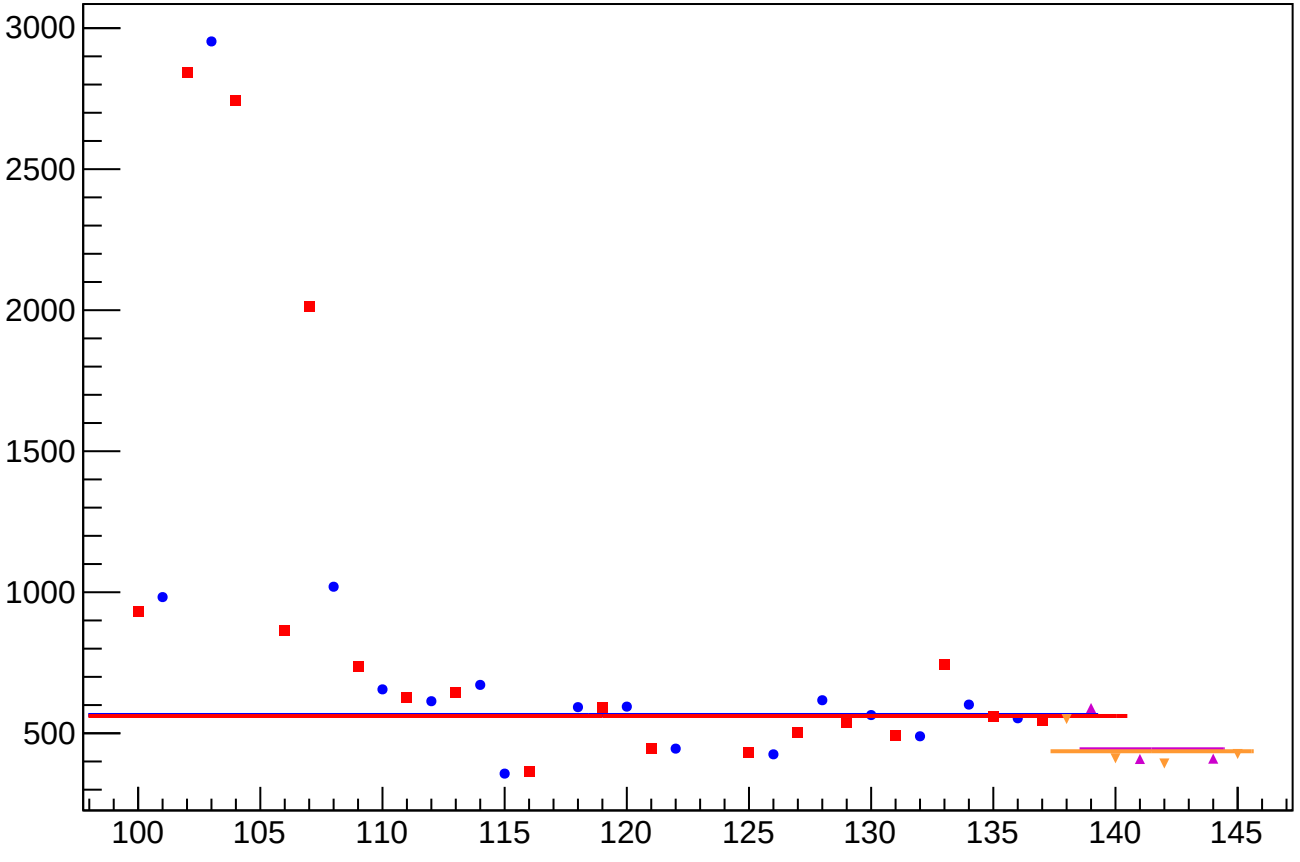
Left In: -190.893+/-277.339 χ^2/NDF:1.8/2

+ sign -45.683+/-169.403 χ^2/NDF: 32.9/19

All: -187.681+/-121.877 χ^2/NDF: 51.3/40

- sign -340.043+/-175.476 χ^2/NDF: 16.9/20

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

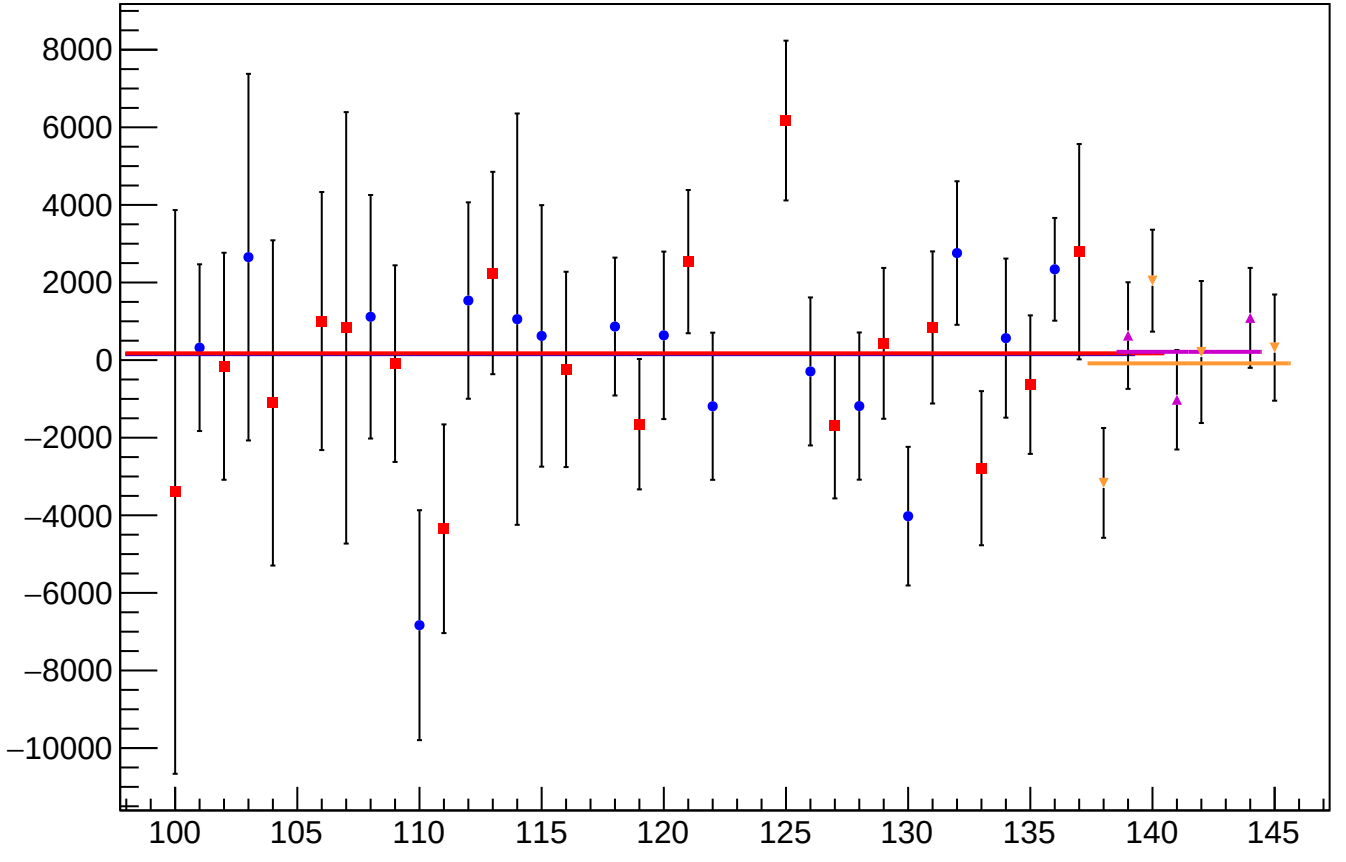
Left In: 443.180+/-0.196 χ^2/NDF:128352.1/2

\+ sign 510.633+/-0.120 χ^2/NDF: 1845346.9/19

All: 512.256+/-0.086 χ^2/NDF: 4464908.8/40

\- sign 513.997+/-0.124 χ^2/NDF: 2619181.5/20

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

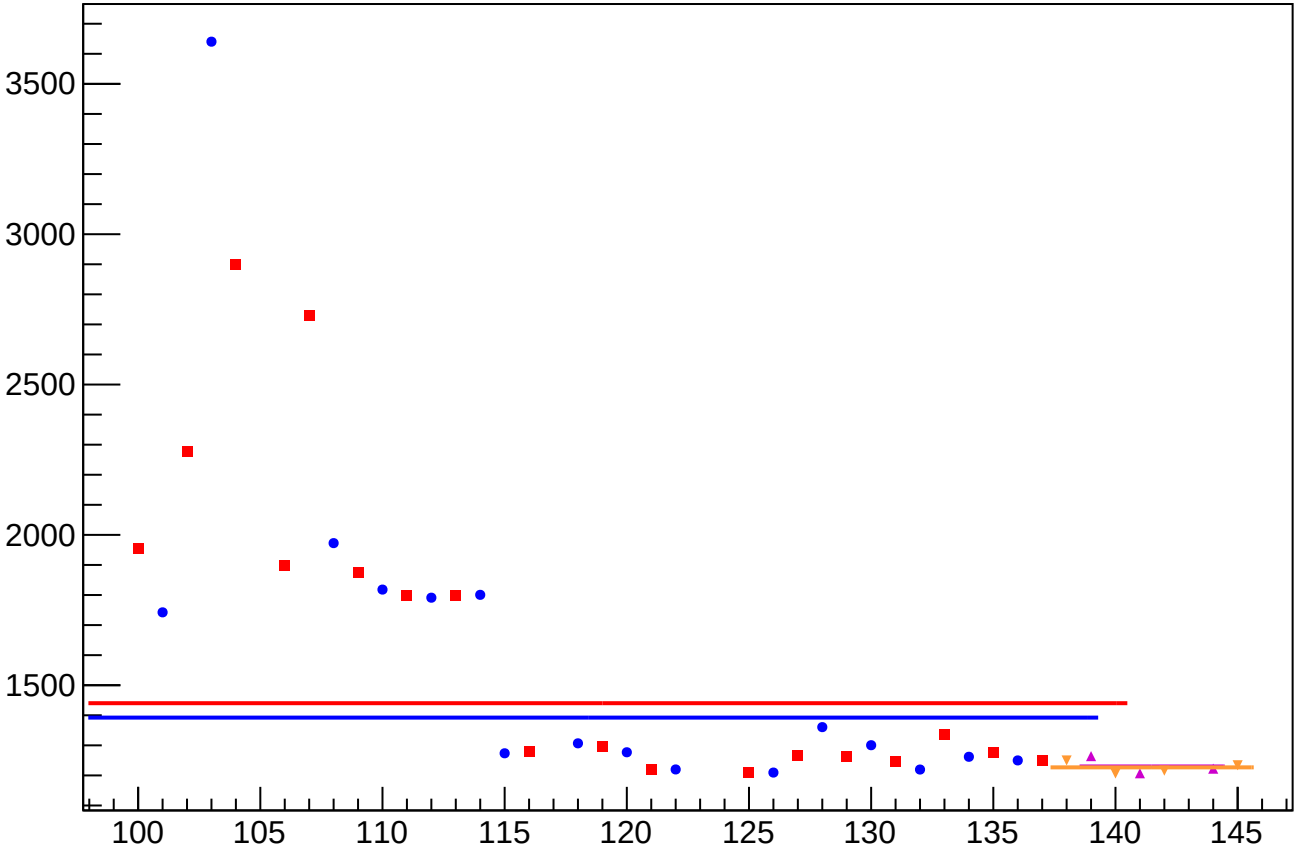
Left In: 212.957+/-758.211 χ^2/NDF:1.5/2

\+ sign 70.045+/-428.621 χ^2/NDF: 25.3/19

All: 126.604+/-308.804 χ^2/NDF: 46.5/40

\- sign 187.645+/-445.284 χ^2/NDF: 21.2/20

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

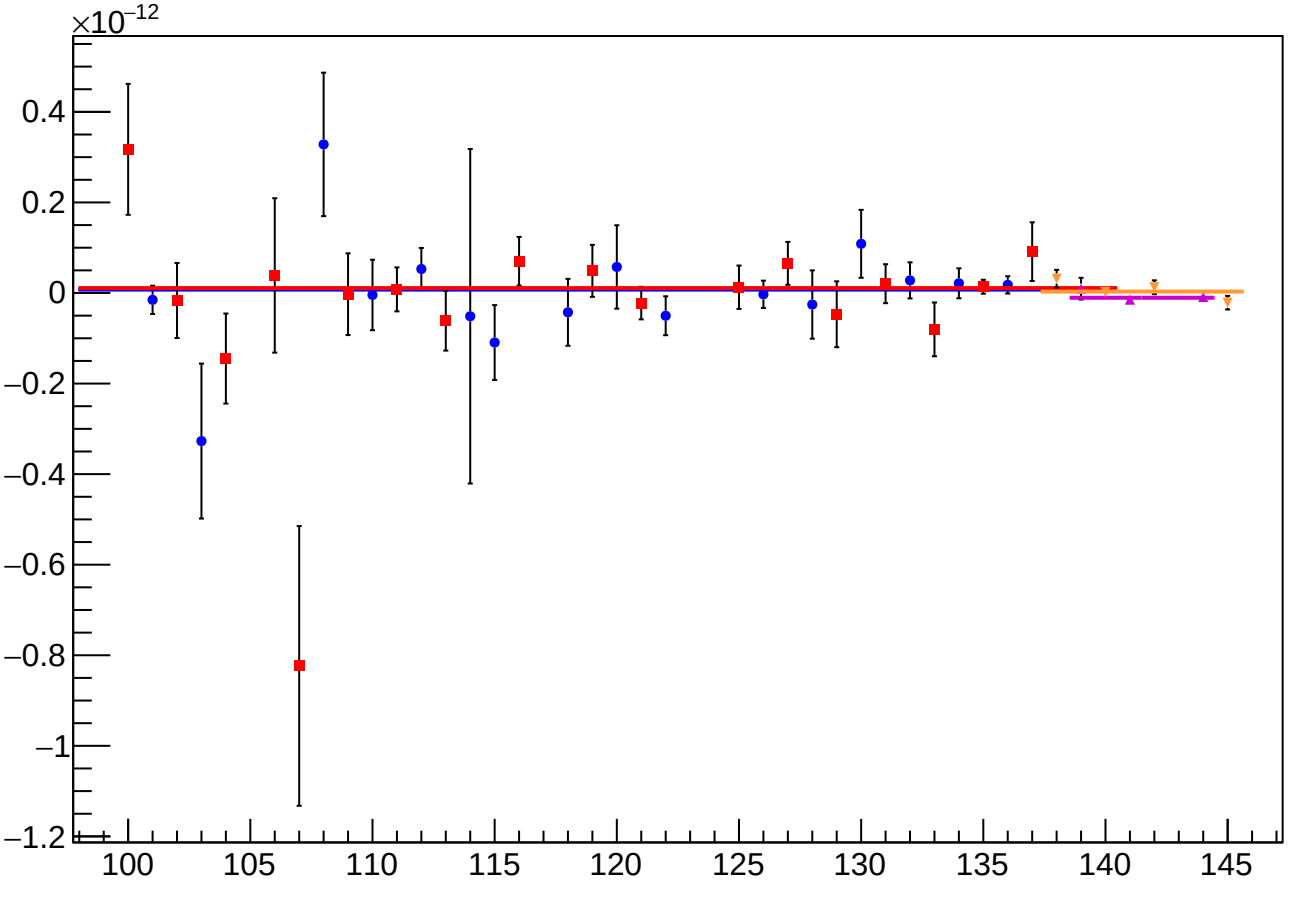
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1229.836+/-0.536 χ^2/NDF:1940.8/2

+ sign 1334.190+/-0.303 χ^2/NDF: 848309.7/19

All: 1350.287+/-0.218 χ^2/NDF: 1811878.8/40

- sign 1367.660+/-0.315 χ^2/NDF: 957703.8/20



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

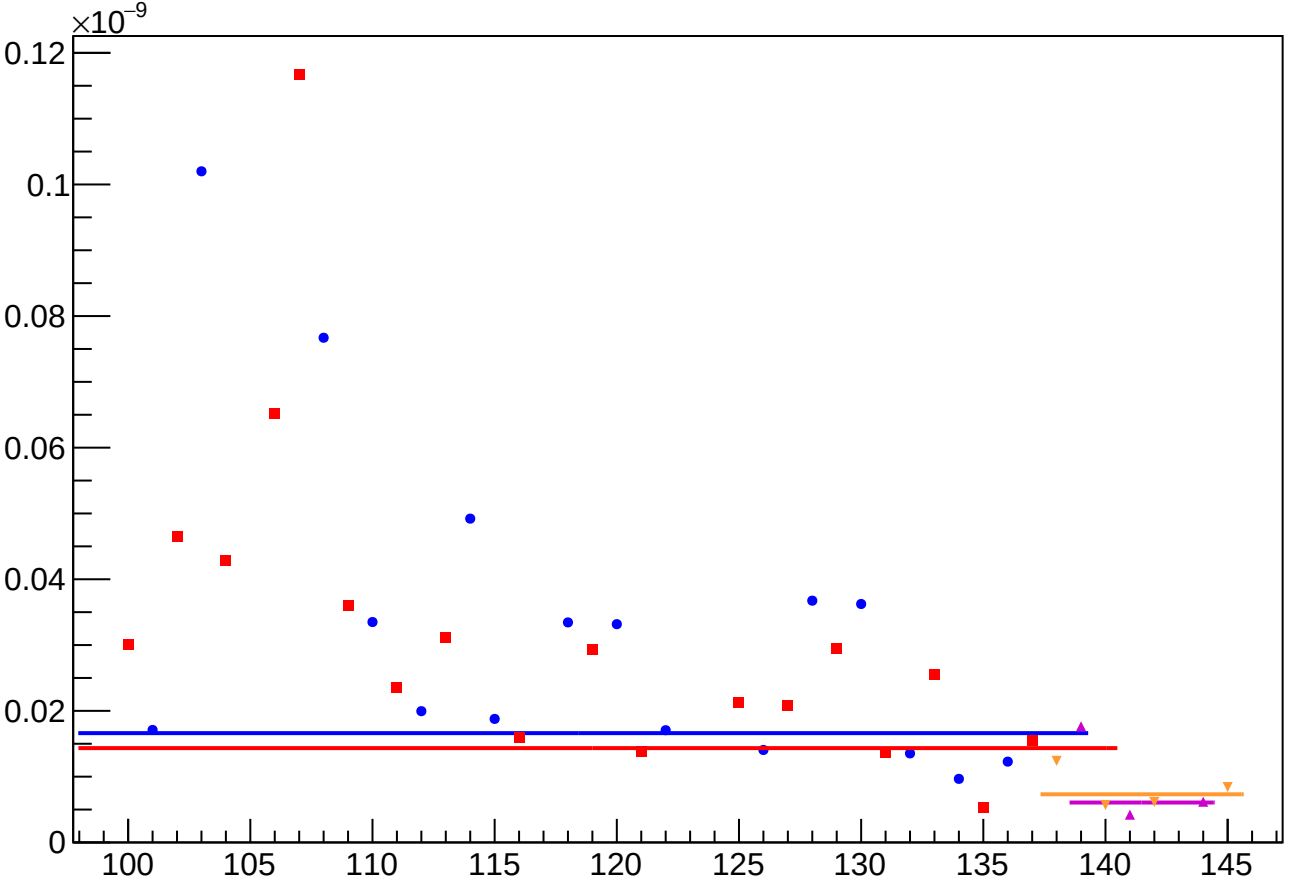
Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 22.2/19

All: -0.000+/-0.000 χ^2/NDF: 51.2/40

- sign -0.000+/-0.000 χ^2/NDF: 27.8/20

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

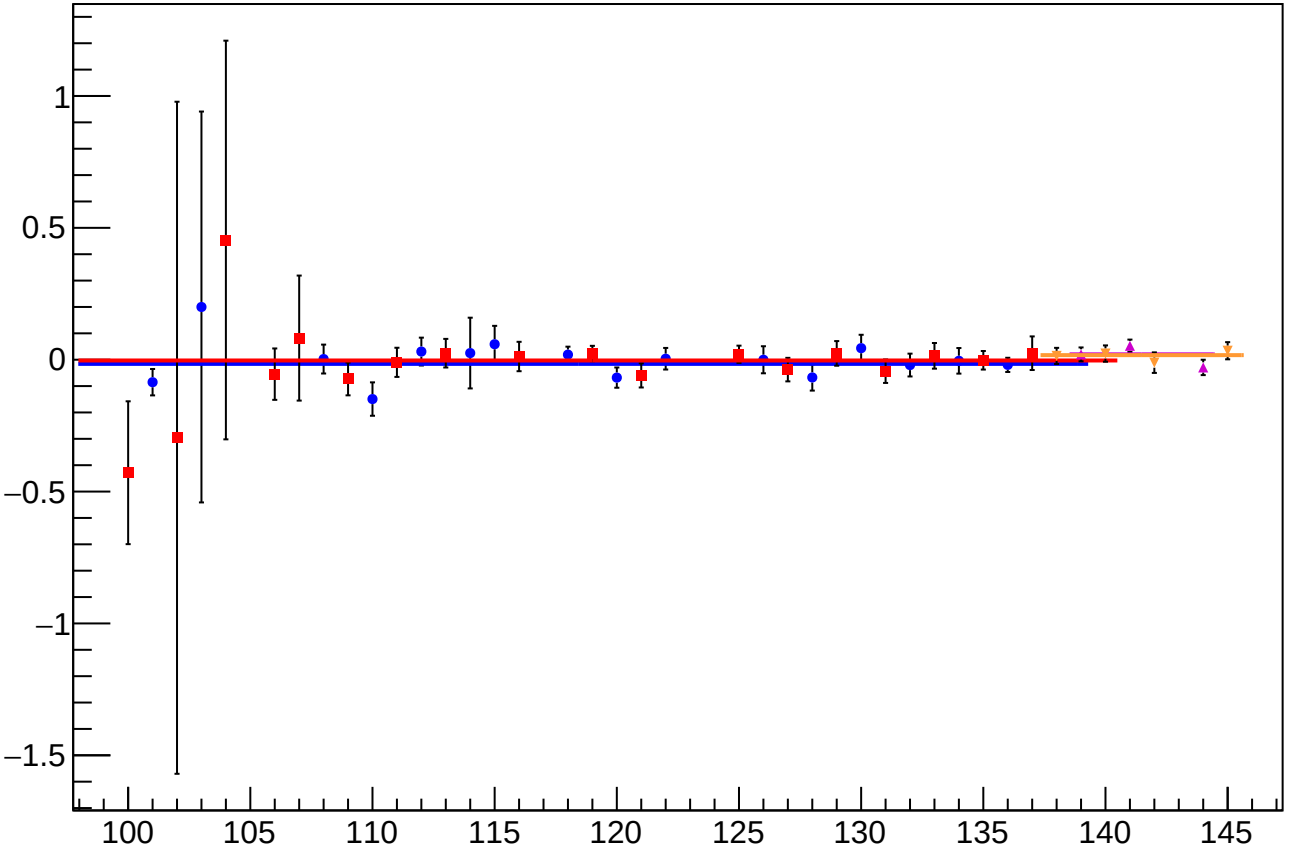
Left In: 0.000+/-0.000 χ^2/NDF:543412.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 2795758.4/19

All: 0.000+/-0.000 χ^2/NDF: 6542785.2/40

- sign 0.000+/-0.000 χ^2/NDF: 3665892.4/20

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

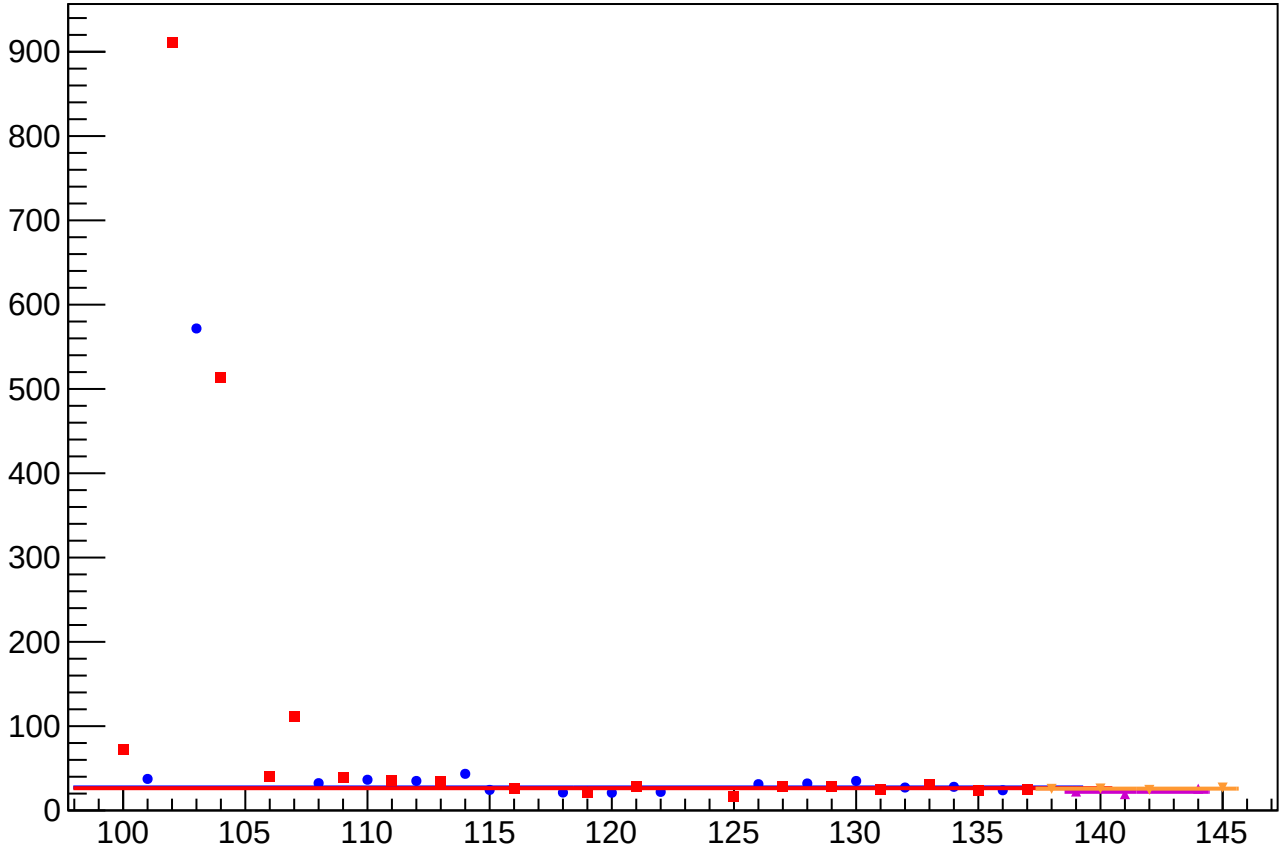
Left In: 0.020+/-0.015 χ^2/NDF:4.8/2

+ sign -0.005+/-0.009 χ^2/NDF: 18.2/19

All: 0.001+/-0.007 χ^2/NDF: 35.0/40

- sign 0.006+/-0.009 χ^2/NDF: 16.1/20

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

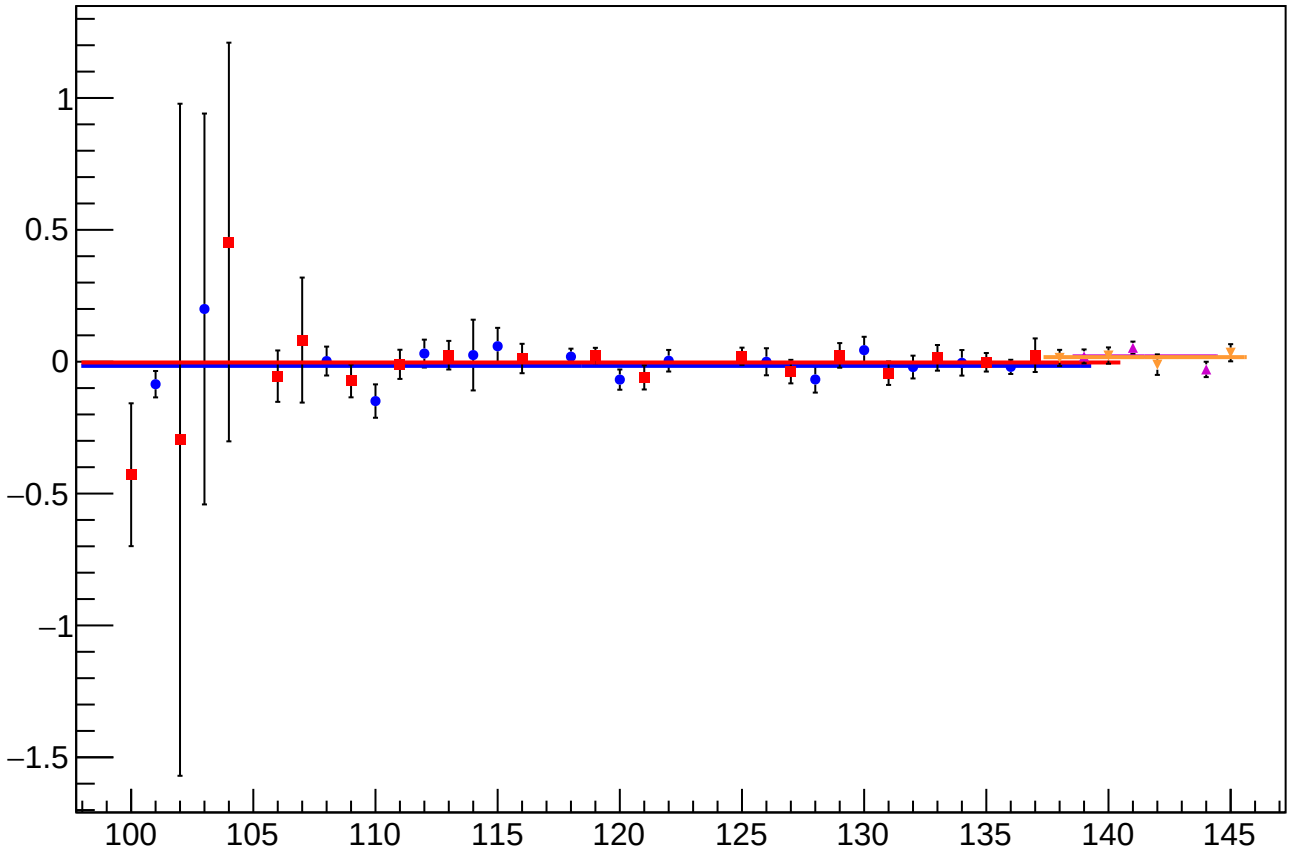
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.107+/-0.011 χ^2/NDF:60103.7/2

+ sign 26.836+/-0.007 χ^2/NDF: 1584471.6/19

All: 25.771+/-0.005 χ^2/NDF: 4409423.0/40

- sign 24.722+/-0.007 χ^2/NDF: 2774512.7/20



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.017+/-0.016 χ^2/NDF:0.8/3

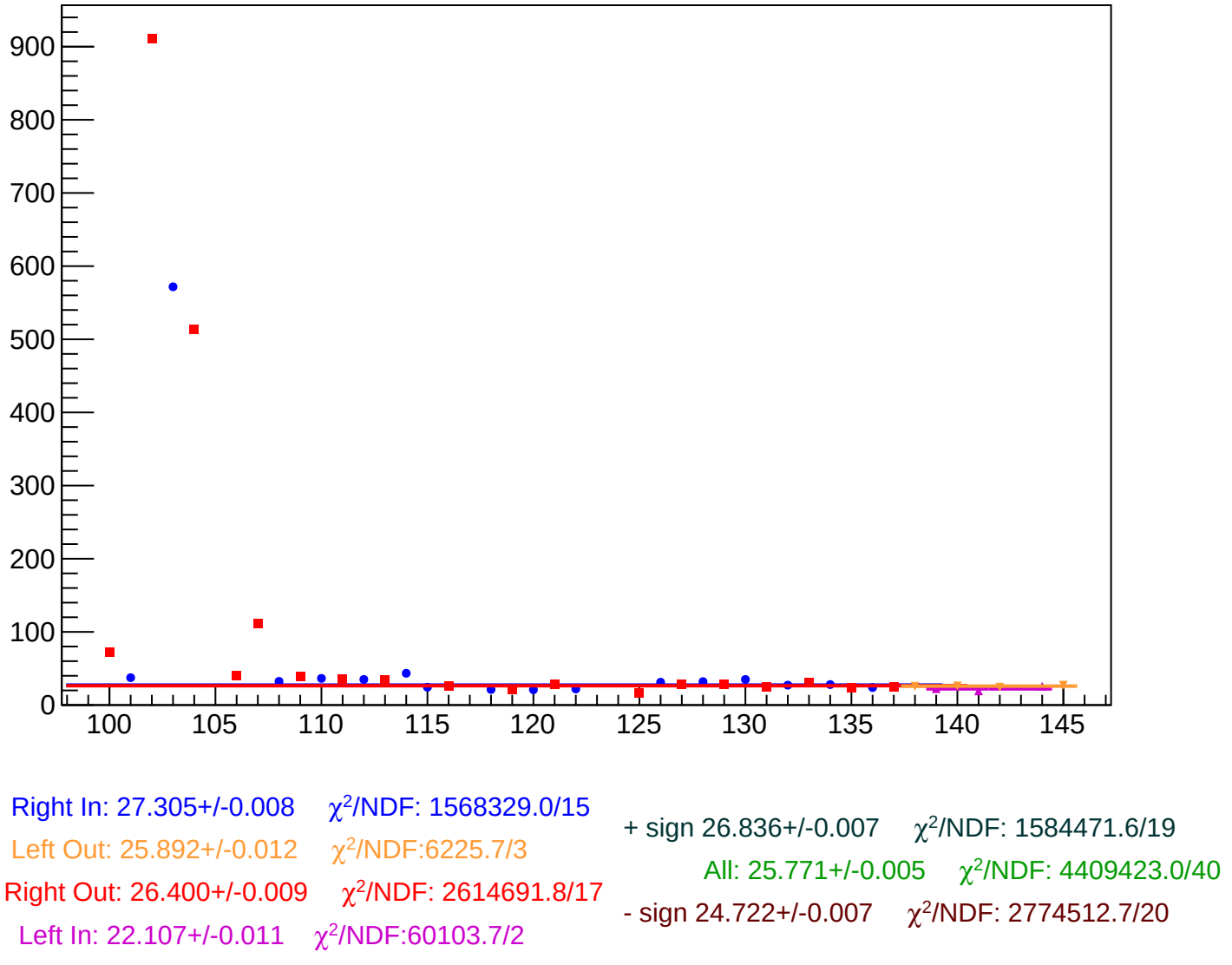
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.020+/-0.015 χ^2/NDF:4.8/2

+ sign -0.005+/-0.009 χ^2/NDF: 18.2/19

All: 0.001+/-0.007 χ^2/NDF: 35.0/40

- sign 0.006+/-0.009 χ^2/NDF: 16.1/20


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug
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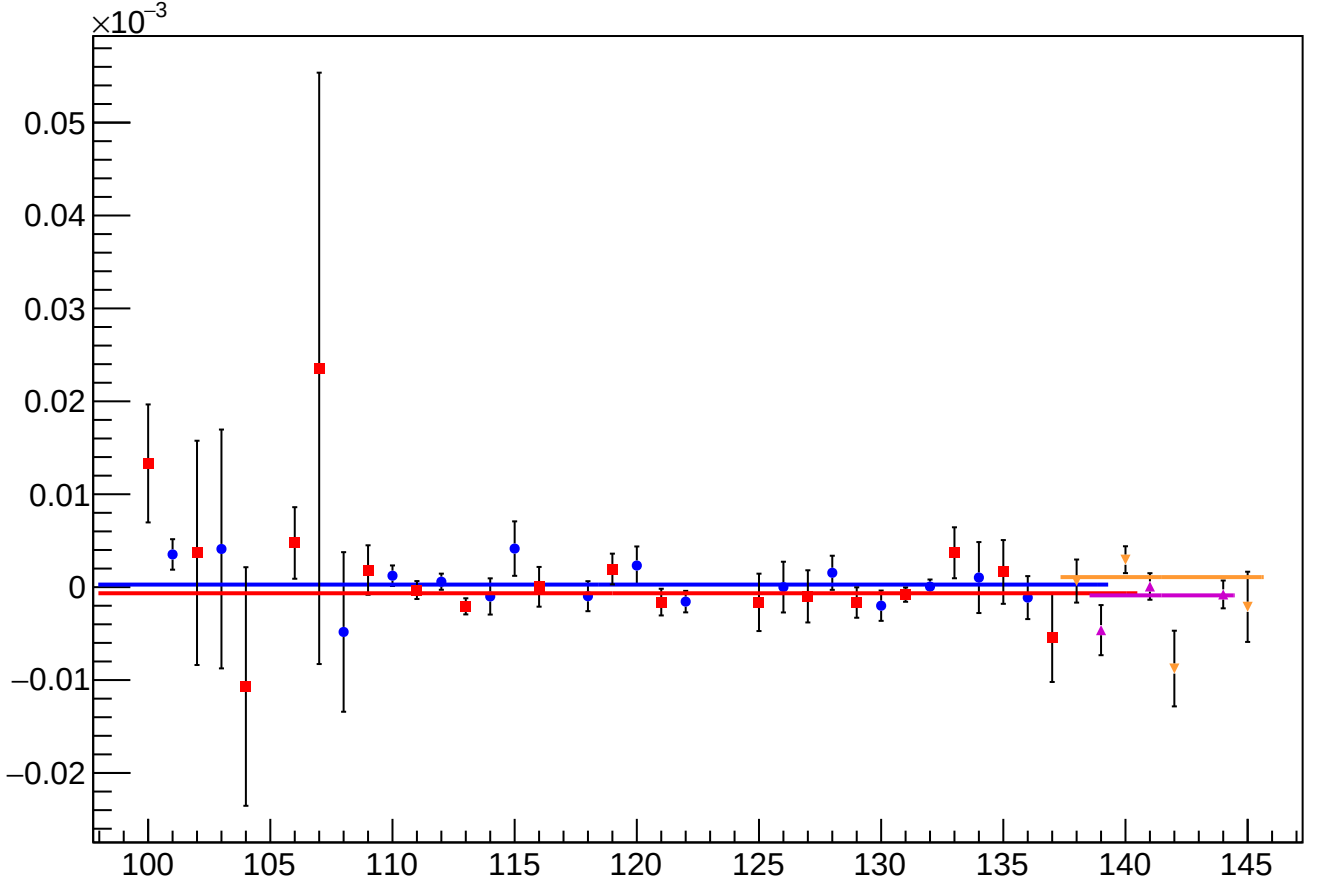
Right In: 27.305+/-0.008 χ²/NDF: 1568329.0/15
Left Out: 25.892+/-0.012 χ²/NDF:6225.7/3
Right Out: 26.400+/-0.009 χ²/NDF: 2614691.8/17
Left In: 22.107+/-0.011 χ²/NDF:60103.7/2
+ sign 26.836+/-0.007 χ²/NDF: 1584471.6/19
All: 25.771+/-0.005 χ²/NDF: 4409423.0/40
- sign 24.722+/-0.007 χ²/NDF: 2774512.7/20



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

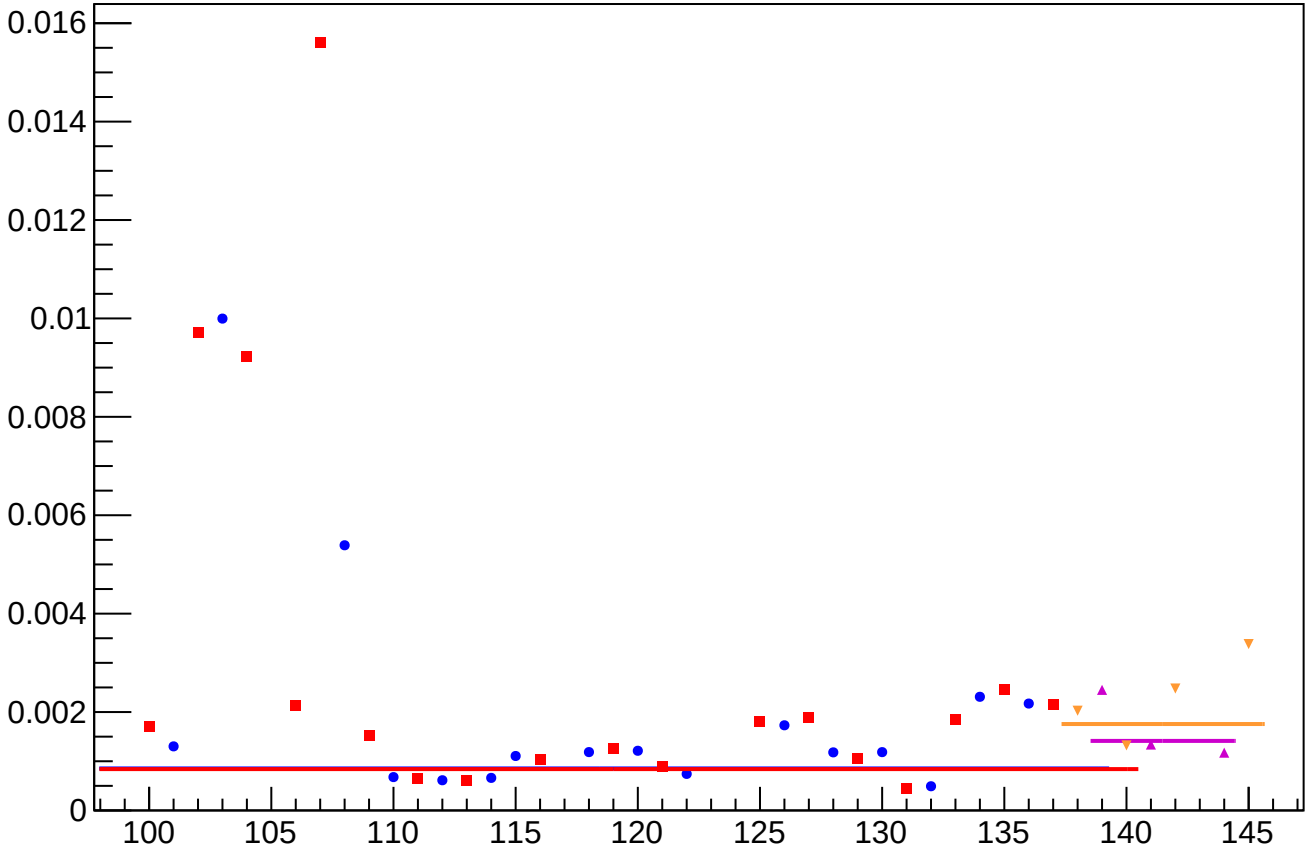
Left In: -0.000+/-0.000 χ^2/NDF:2.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/19

All: -0.000+/-0.000 χ^2/NDF: 49.0/40

- sign -0.000+/-0.000 χ^2/NDF: 21.7/20

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

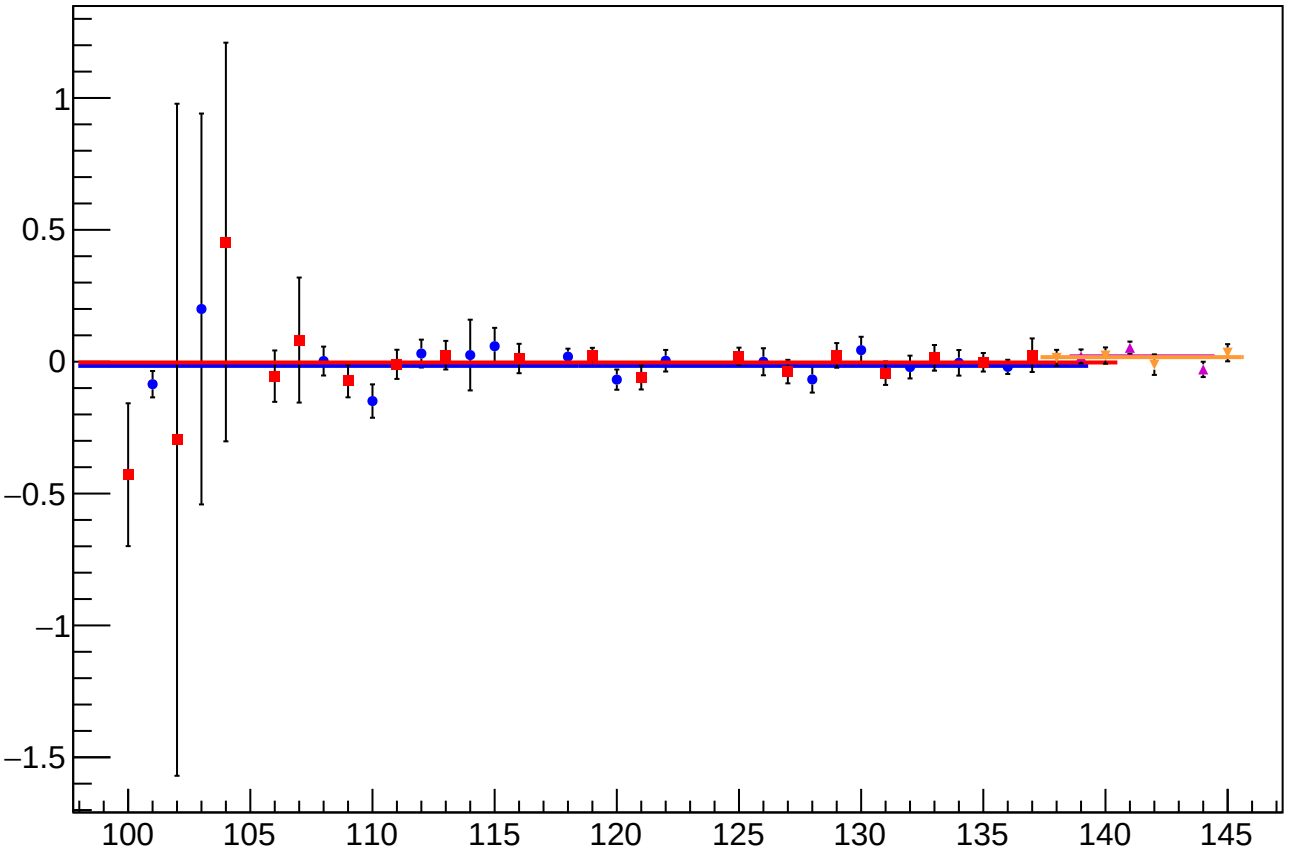
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:352131.8/2

+ sign 0.001+/-0.000 χ^2/NDF: 5669652.7/19

All: 0.001+/-0.000 χ^2/NDF: 11666062.5/40

- sign 0.001+/-0.000 χ^2/NDF: 5993229.1/20



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.017+/-0.016 χ^2/NDF:0.8/3

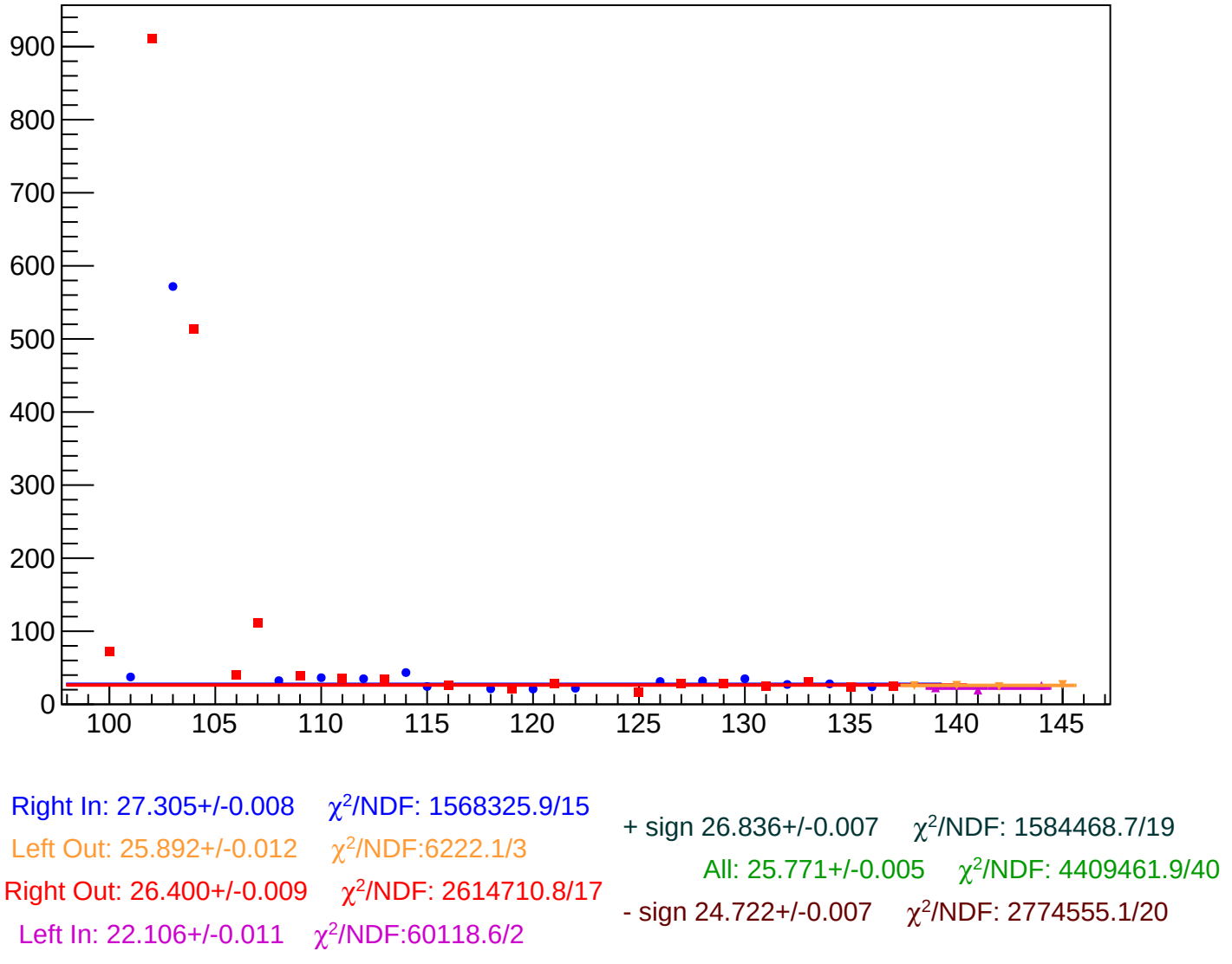
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.020+/-0.015 χ^2/NDF:4.8/2

+ sign -0.005+/-0.009 χ^2/NDF: 18.2/19

All: 0.001+/-0.007 χ^2/NDF: 35.0/40

- sign 0.006+/-0.009 χ^2/NDF: 16.1/20


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
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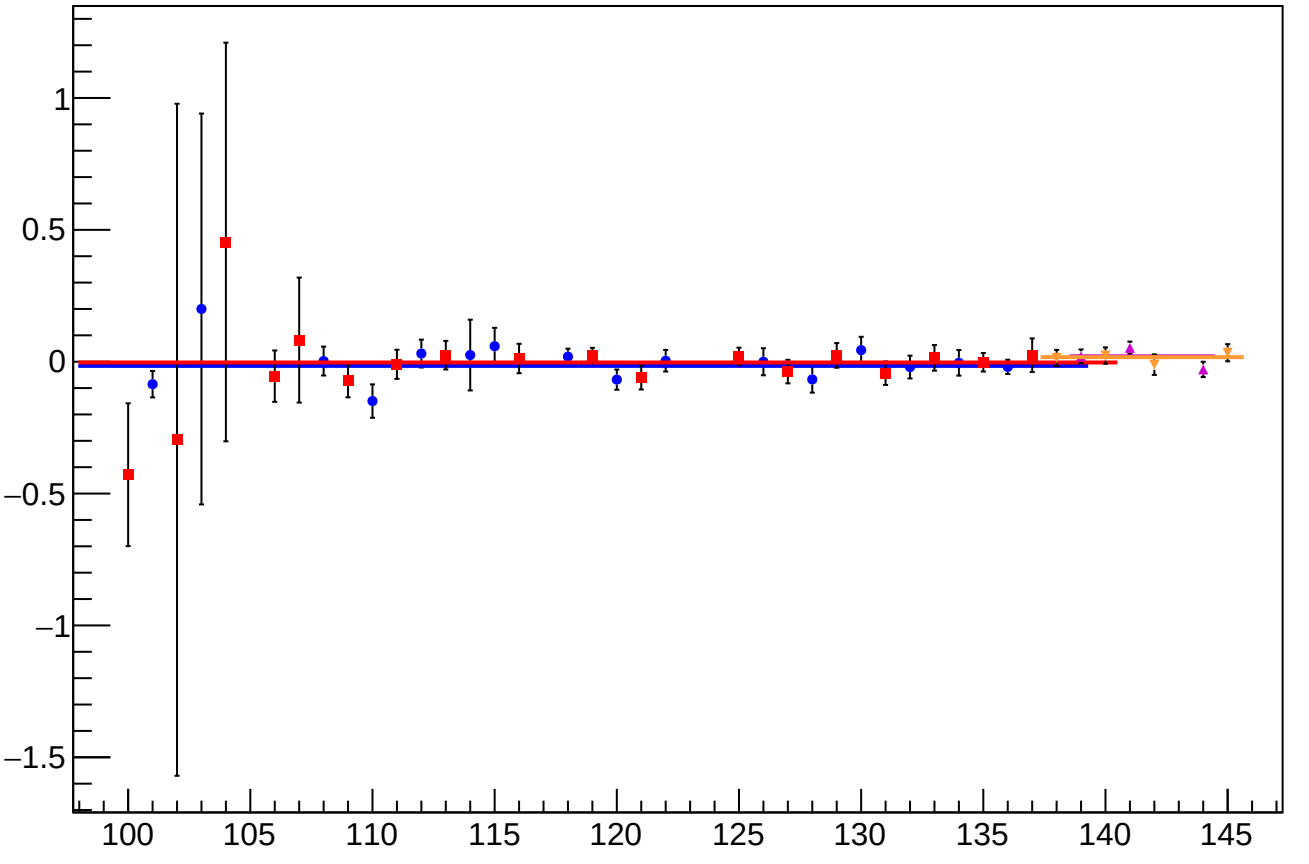
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 25.892+/-0.012 χ²/NDF:6222.1/3
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 22.106+/-0.011 χ²/NDF:60118.6/2
+ sign 26.836+/-0.007 χ²/NDF: 1584468.7/19
All: 25.771+/-0.005 χ²/NDF: 4409461.9/40
- sign 24.722+/-0.007 χ²/NDF: 2774555.1/20



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.017+/-0.016 χ^2/NDF:0.8/3

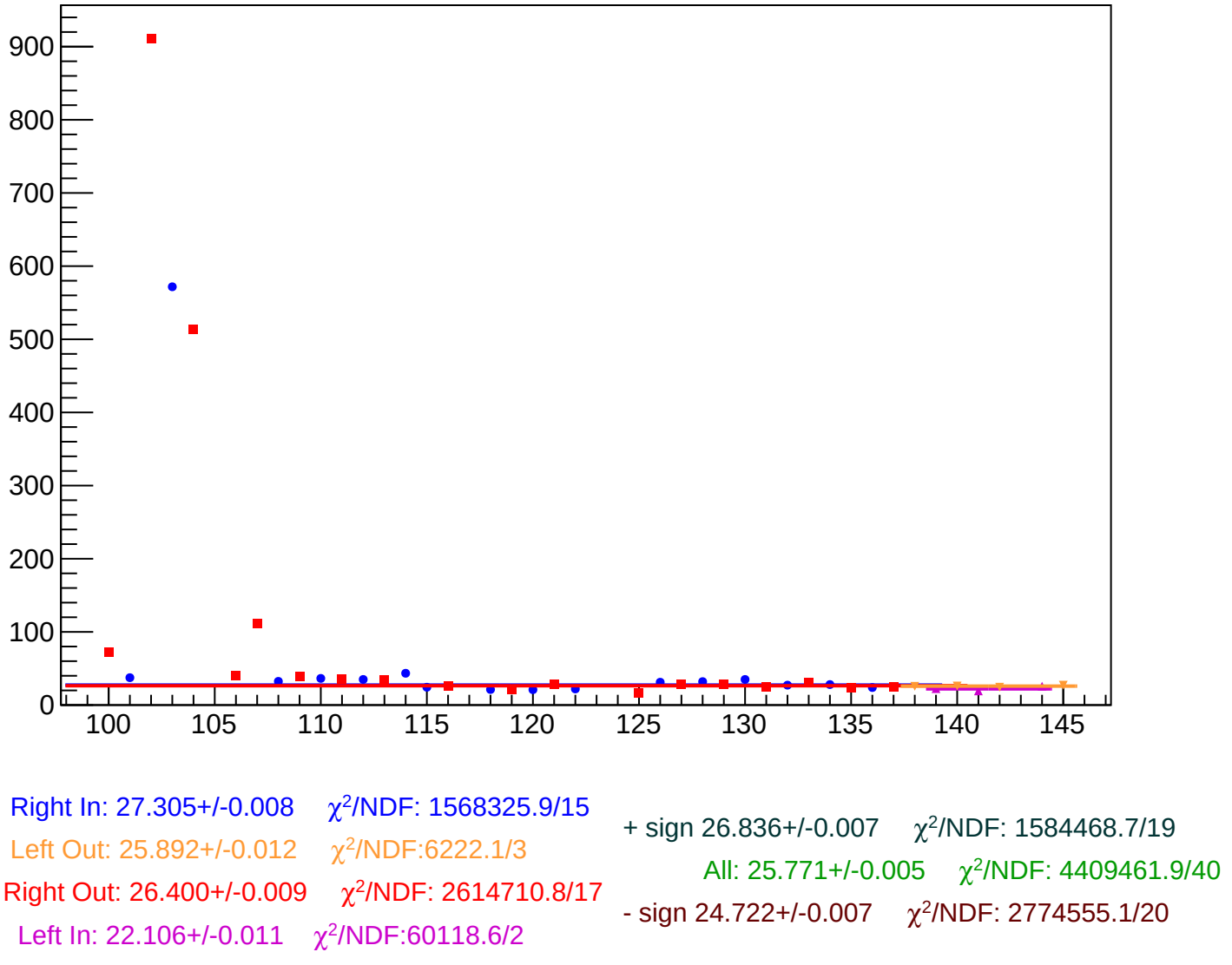
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.020+/-0.015 χ^2/NDF:4.8/2

\+ sign -0.005+/-0.009 χ^2/NDF: 18.2/19

All: 0.001+/-0.007 χ^2/NDF: 35.0/40

\- sign 0.006+/-0.009 χ^2/NDF: 16.1/20


asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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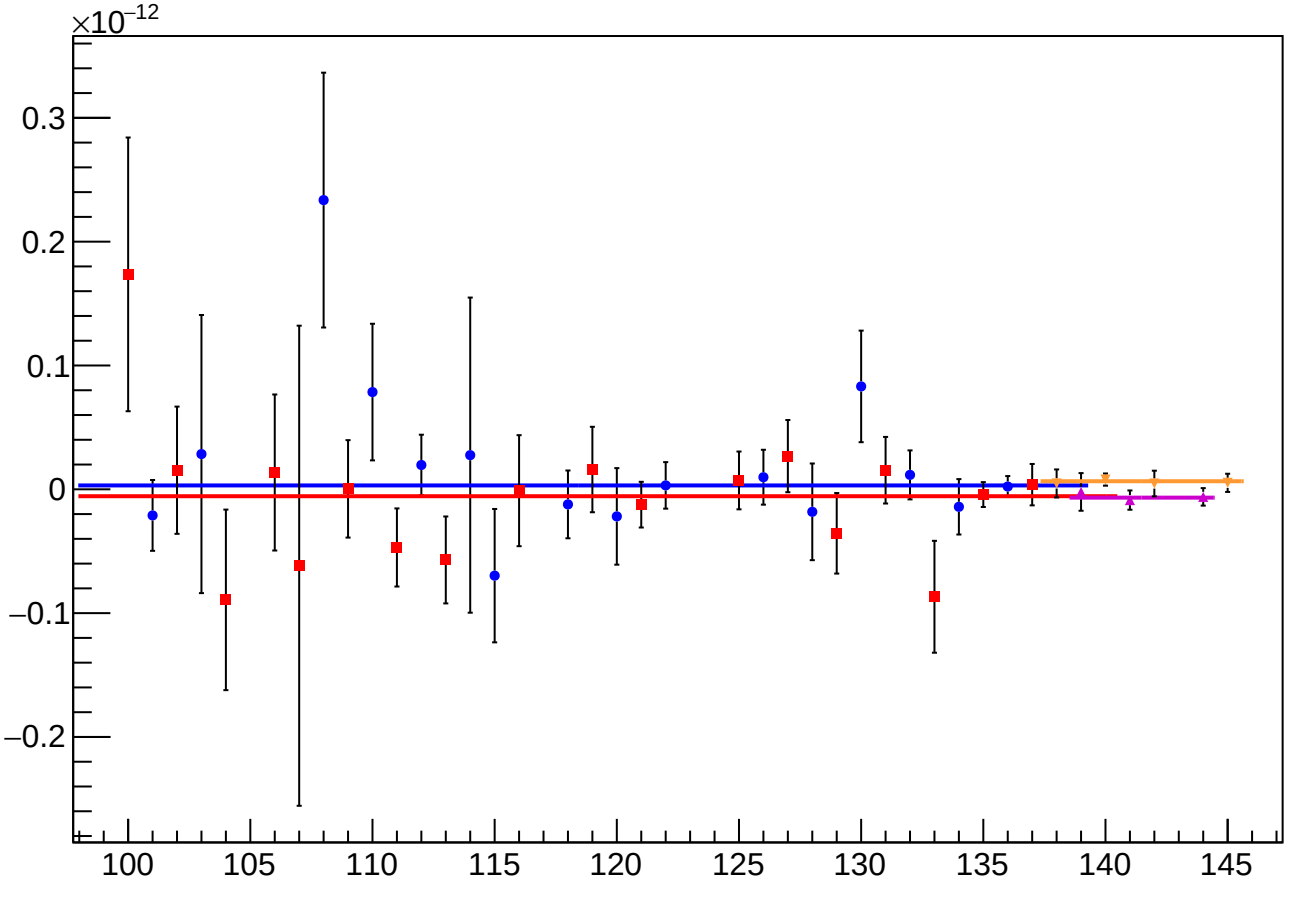
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 25.892+/-0.012 χ²/NDF:6222.1/3
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 22.106+/-0.011 χ²/NDF:60118.6/2
+ sign 26.836+/-0.007 χ²/NDF: 1584468.7/19
All: 25.771+/-0.005 χ²/NDF: 4409461.9/40
- sign 24.722+/-0.007 χ²/NDF: 2774555.1/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/3

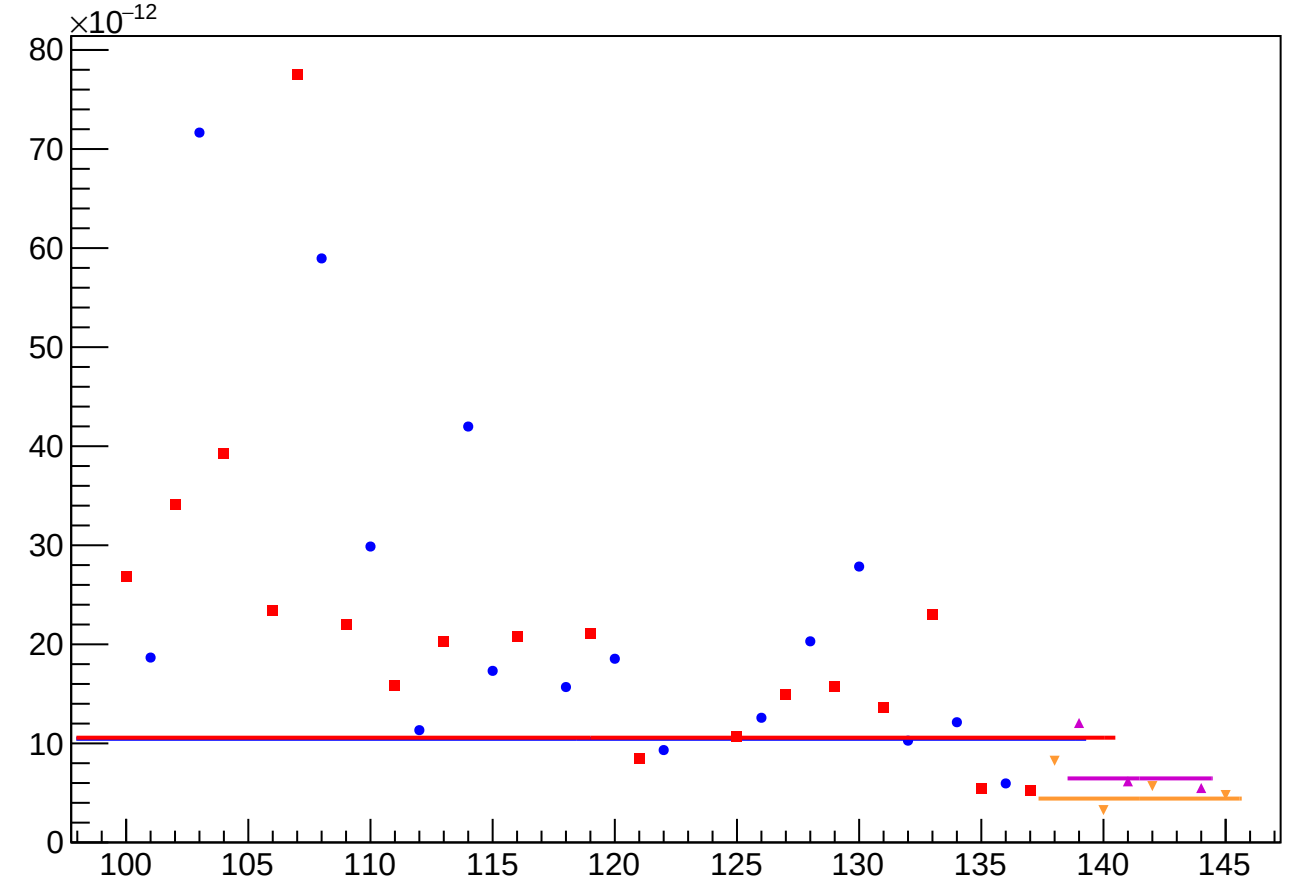
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 15.4/19

All: 0.000+/-0.000 χ^2/NDF: 36.7/40

- sign -0.000+/-0.000 χ^2/NDF: 15.5/20



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

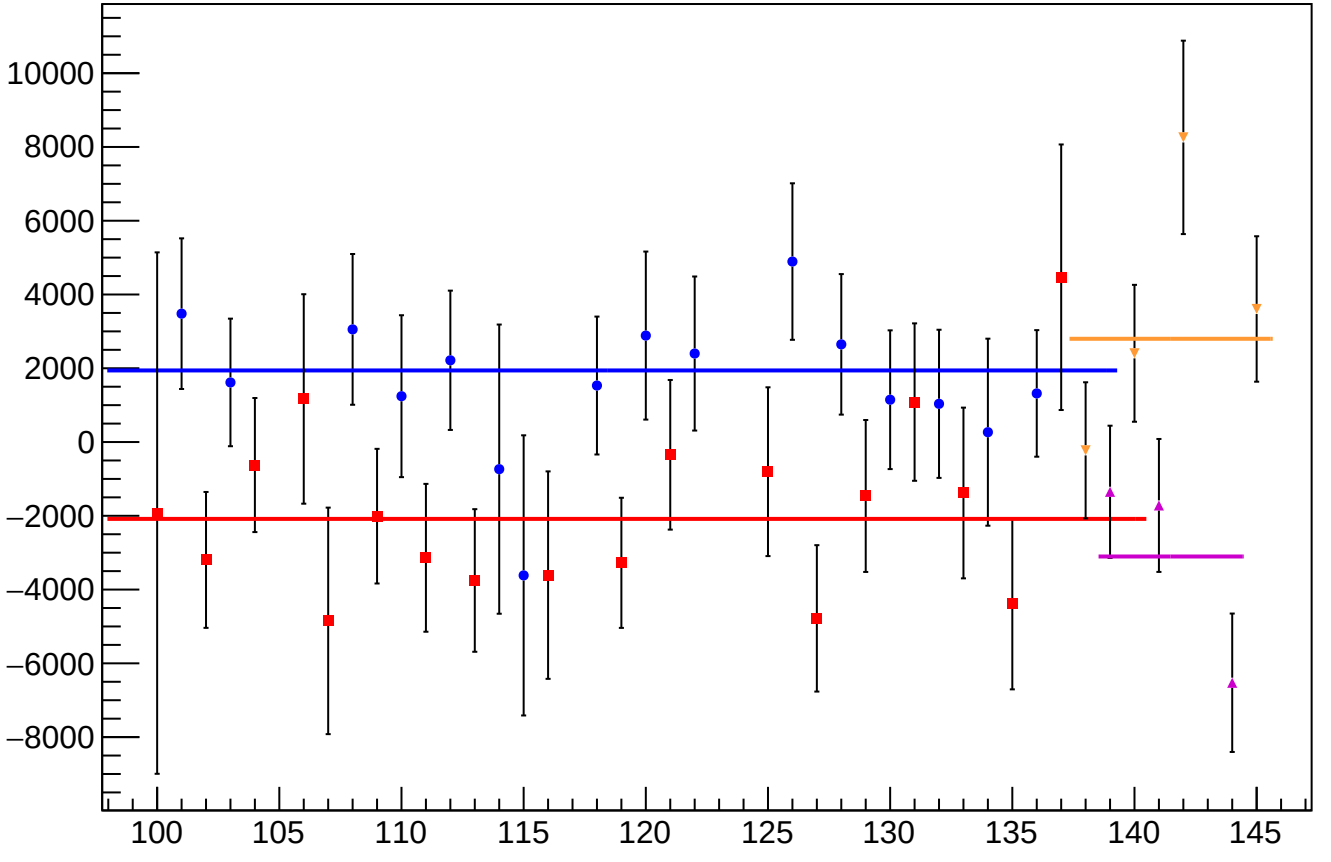
Left In: 0.000+/-0.000 χ^2/NDF:311547.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 4753382.8/19

All: 0.000+/-0.000 χ^2/NDF: 8707057.5/40

- sign 0.000+/-0.000 χ^2/NDF: 3632617.8/20

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

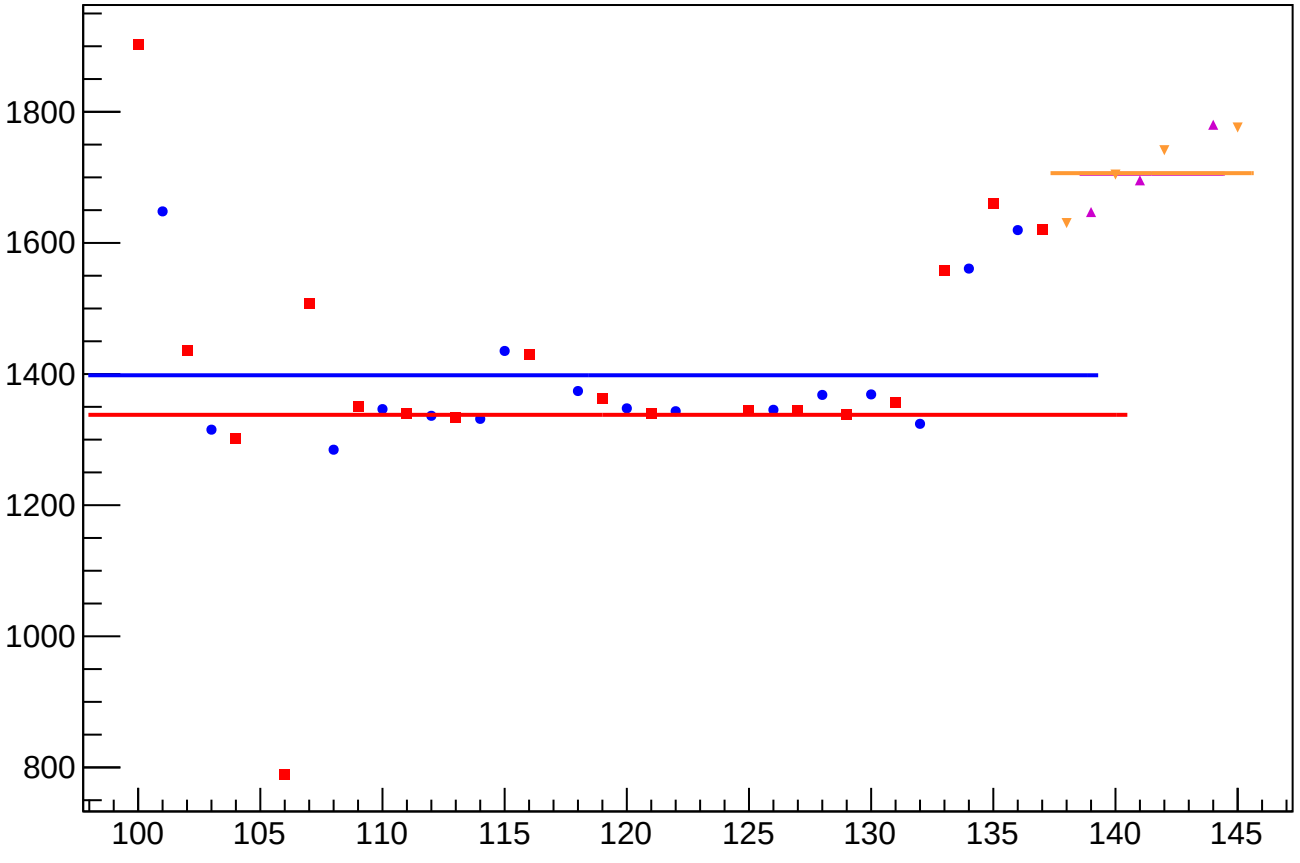
Left In: -3103.197+/-1052.190 χ^2/NDF:4.9/2

+ sign 2122.923+/-463.532 χ^2/NDF: 14.7/19

All: -69.306+/-328.593 χ^2/NDF: 79.8/40

- sign -2283.769+/-465.877 χ^2/NDF: 20.1/20

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

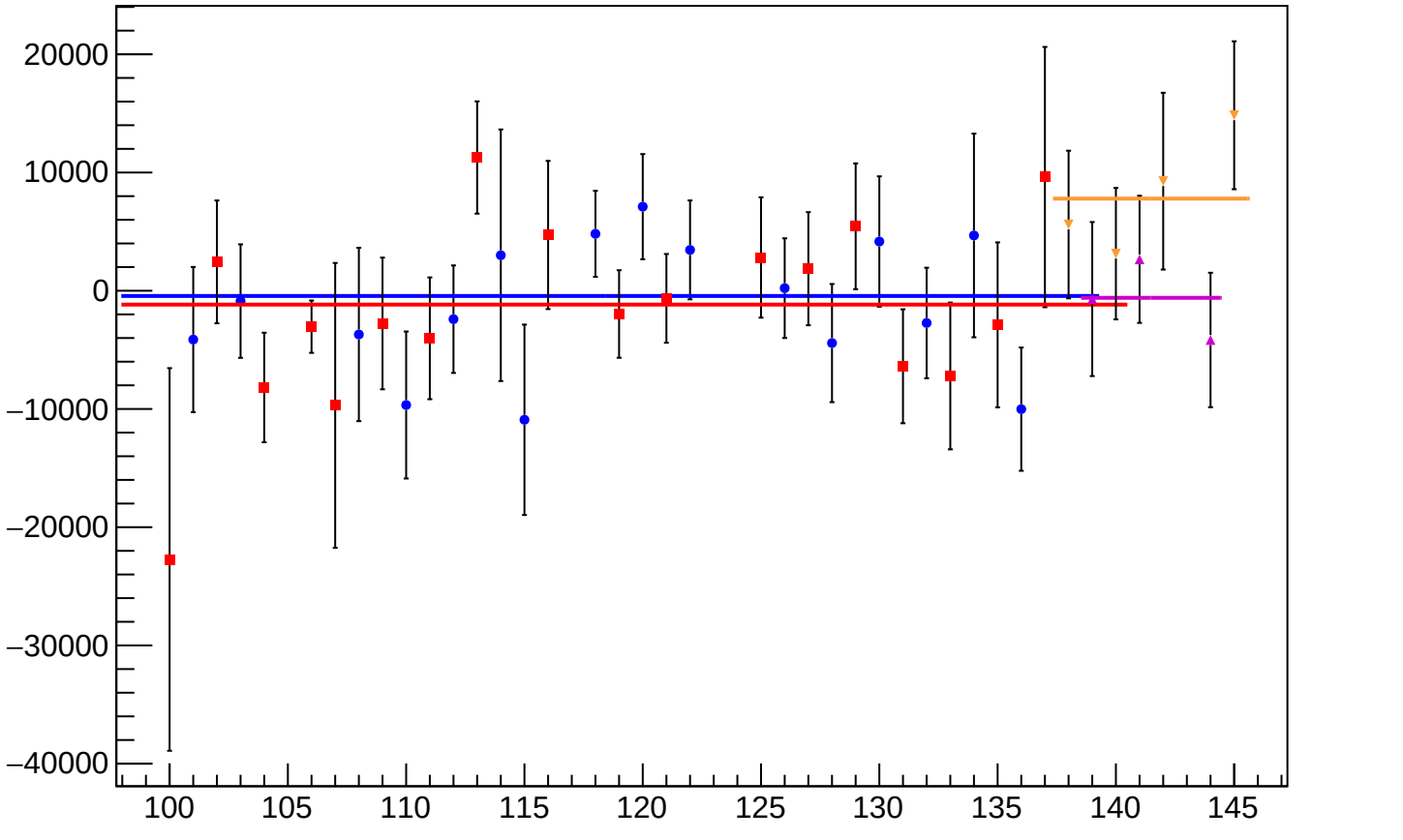
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1705.507+/-0.744 χ^2/NDF:5360.2/2

+ sign 1463.516+/-0.328 χ^2/NDF: 247971.0/19

All: 1434.312+/-0.229 χ^2/NDF: 785401.8/40

- sign 1406.289+/-0.321 χ^2/NDF: 521873.8/20



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

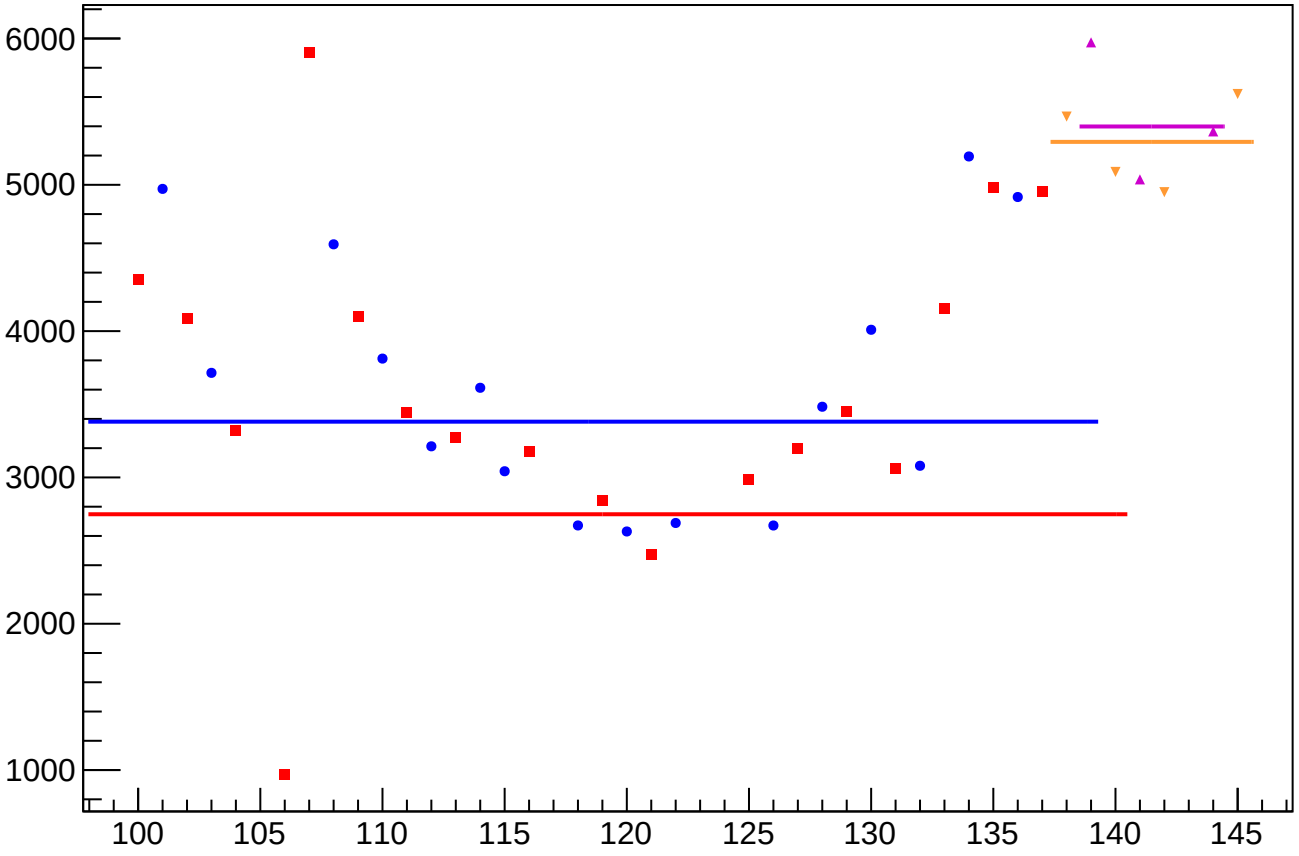
Left In: -598.651+/-3350.295 χ^2/NDF:0.8/2

+ sign 756.916+/-1197.913 χ^2/NDF: 23.9/19

All: -290.532+/-794.726 χ^2/NDF: 45.7/40

- sign -1113.970+/-1062.123 χ^2/NDF: 20.5/20

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

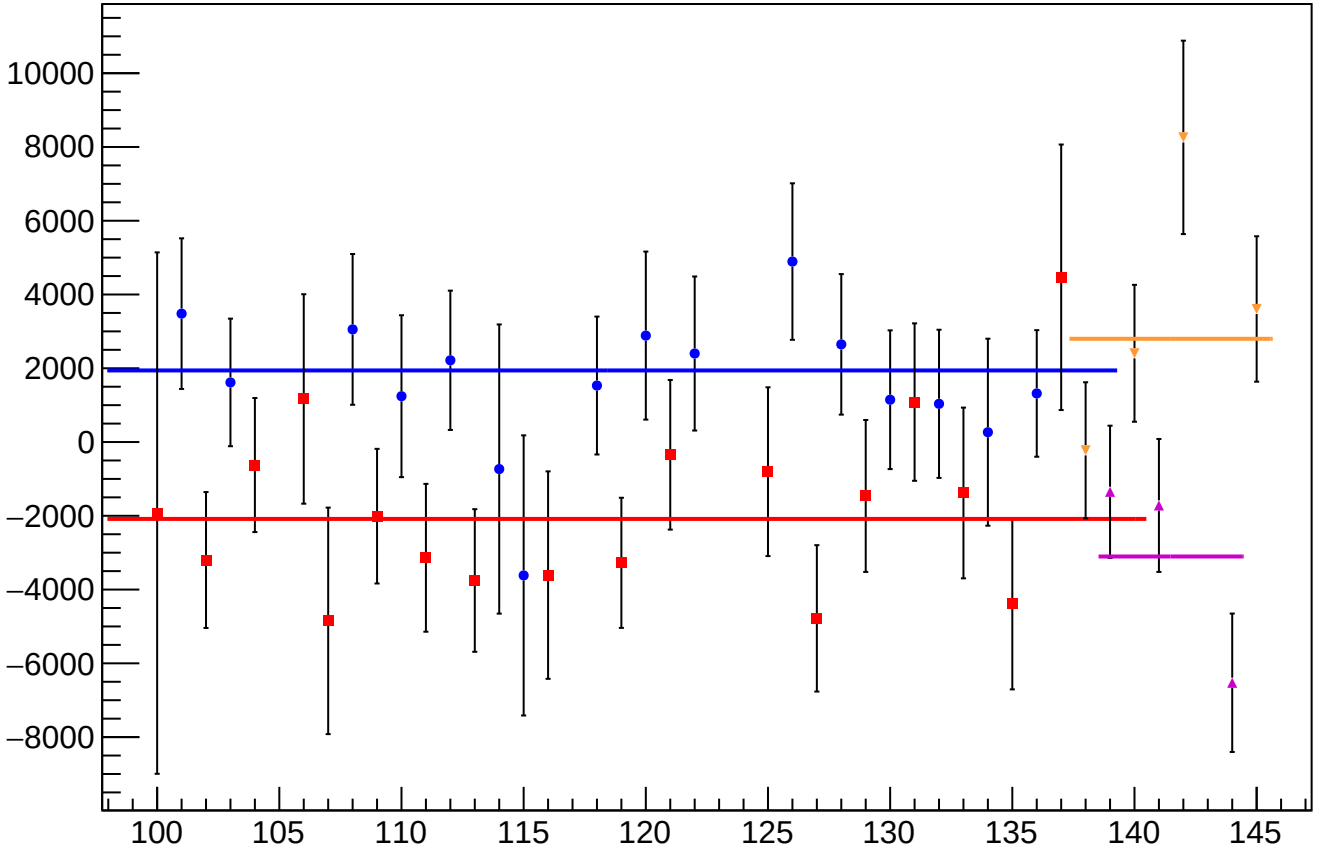
Left In: 5398.682+/-2.369 χ^2/NDF:24695.9/2

+ sign 3659.428+/-0.847 χ^2/NDF: 1404951.6/19

All: 3298.488+/-0.562 χ^2/NDF: 5144312.3/40

- sign 3014.739+/-0.751 χ^2/NDF: 3415047.9/20

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

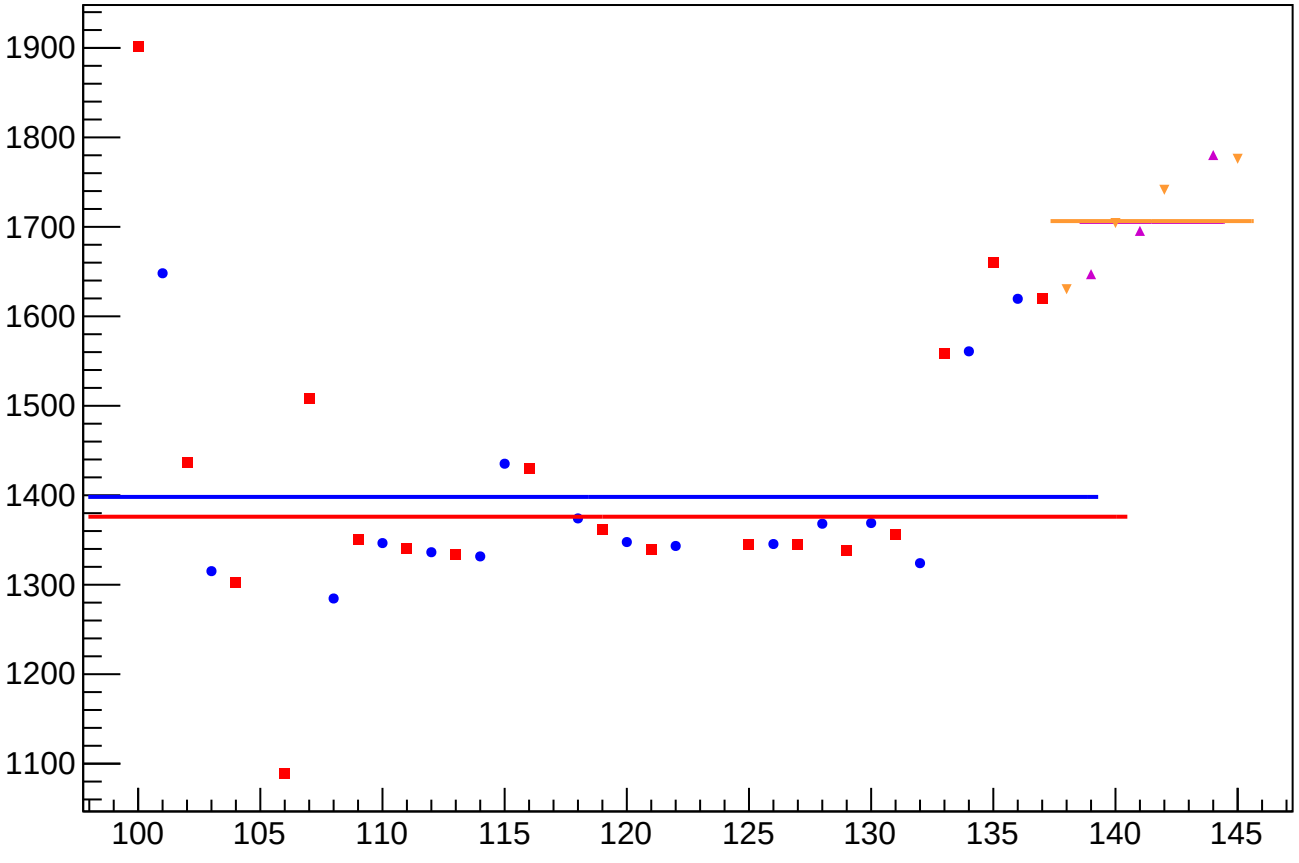
Left In: -3103.268+/-1052.190 χ^2/NDF:4.9/2

+ sign 2123.011+/-463.532 χ^2/NDF: 14.7/19

All: -69.344+/-328.594 χ^2/NDF: 79.8/40

- sign -2283.957+/-465.879 χ^2/NDF: 20.1/20

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

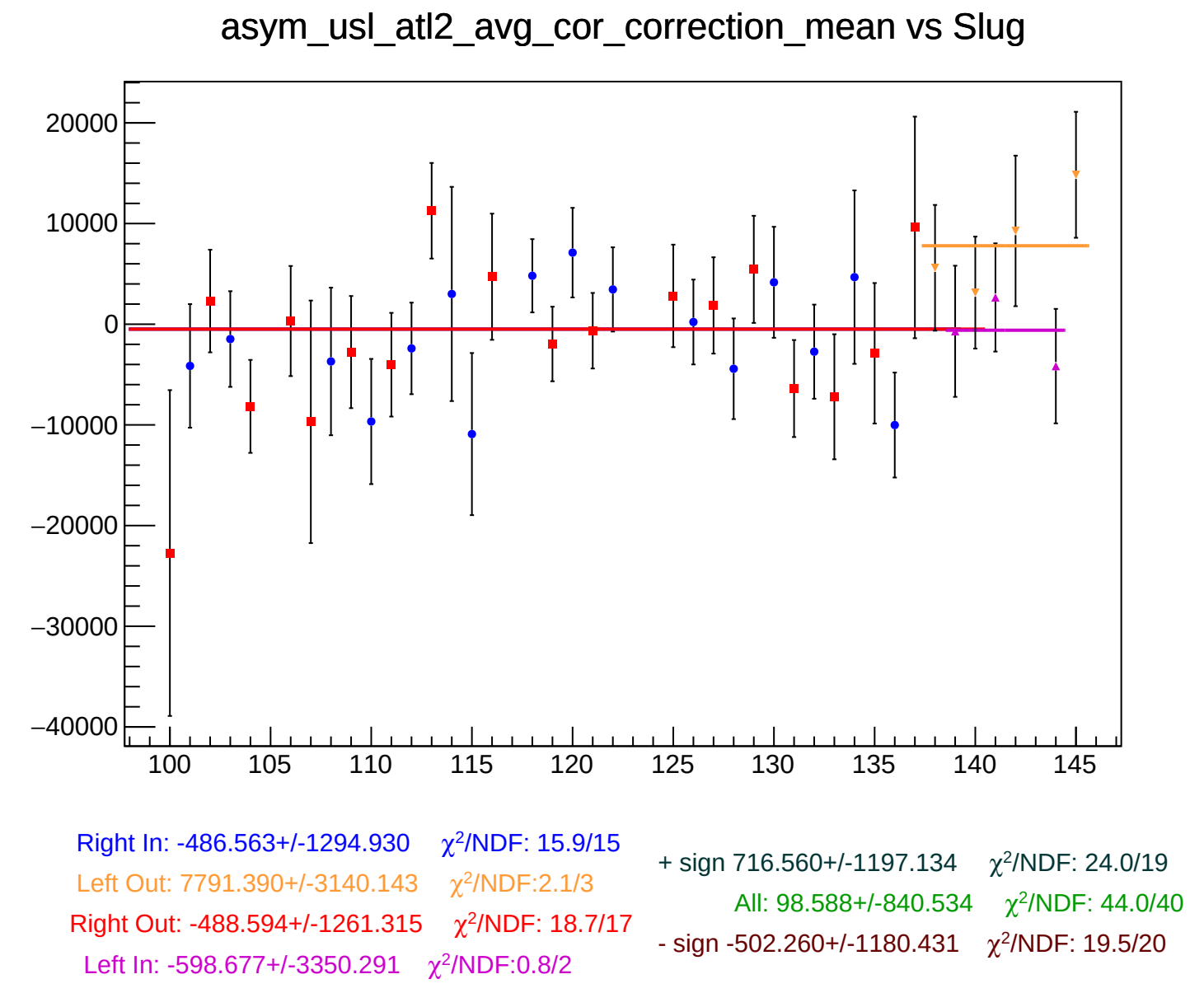
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1705.507+/-0.744 χ^2/NDF:5360.2/2

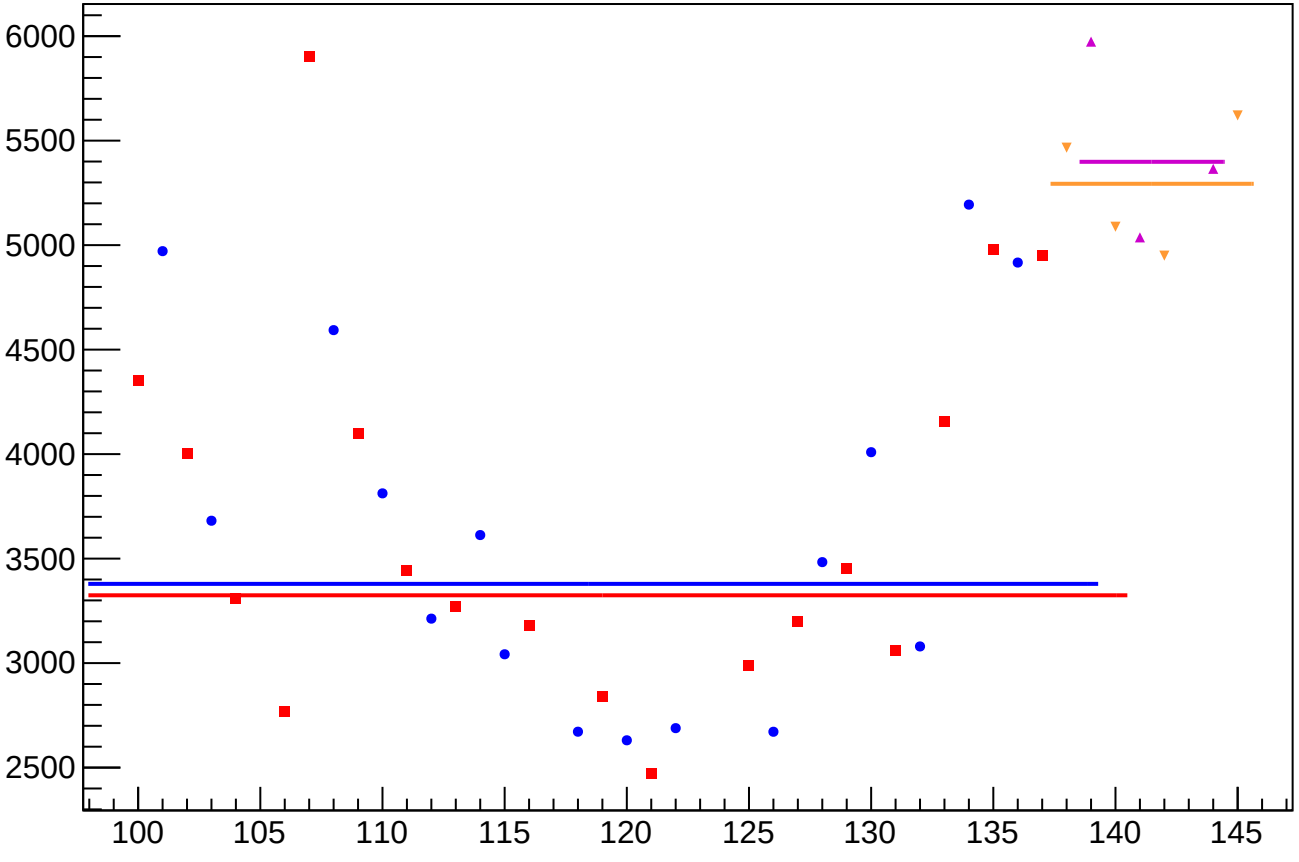
+ sign 1463.516+/-0.328 χ^2/NDF: 247971.1/19

All: 1451.307+/-0.231 χ^2/NDF: 528613.4/40

- sign 1439.237+/-0.326 χ^2/NDF: 277883.1/20


asym_usl_atl2_avg_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: -486.563+/-1294.930 χ²/NDF: 15.9/15
Left Out: 7791.390+/-3140.143 χ²/NDF:2.1/3
Right Out: -488.594+/-1261.315 χ²/NDF: 18.7/17
Left In: -598.677+/-3350.291 χ²/NDF:0.8/2
+ sign 716.560+/-1197.134 χ²/NDF: 24.0/19
All: 98.588+/-840.534 χ²/NDF: 44.0/40
- sign -502.260+/-1180.431 χ²/NDF: 19.5/20

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

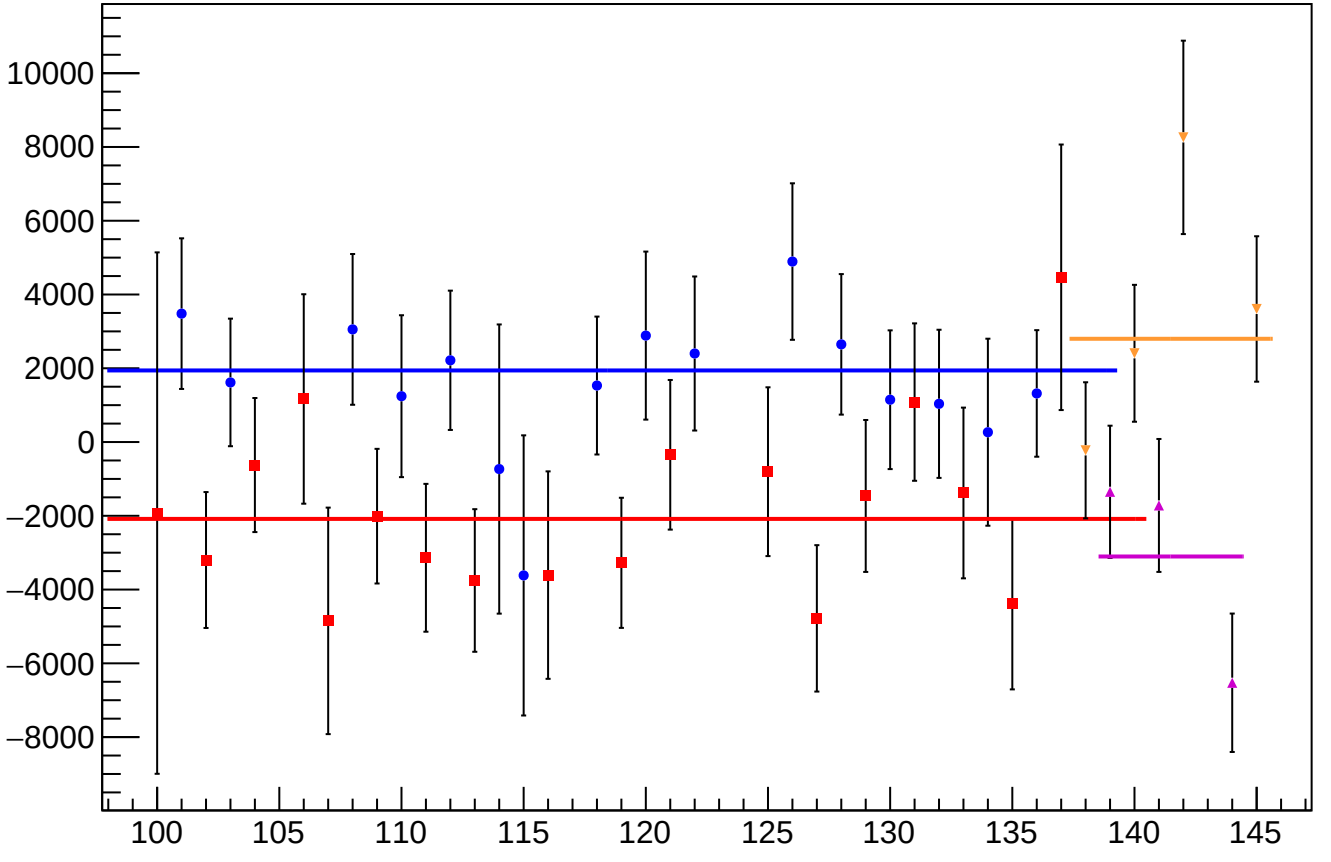
Left In: 5398.677+/-2.369 χ^2/NDF:24696.4/2

+ sign 3657.351+/-0.847 χ^2/NDF: 1404617.1/19

All: 3619.119+/-0.594 χ^2/NDF: 2648596.7/40

- sign 3581.947+/-0.835 χ^2/NDF: 1239956.5/20

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

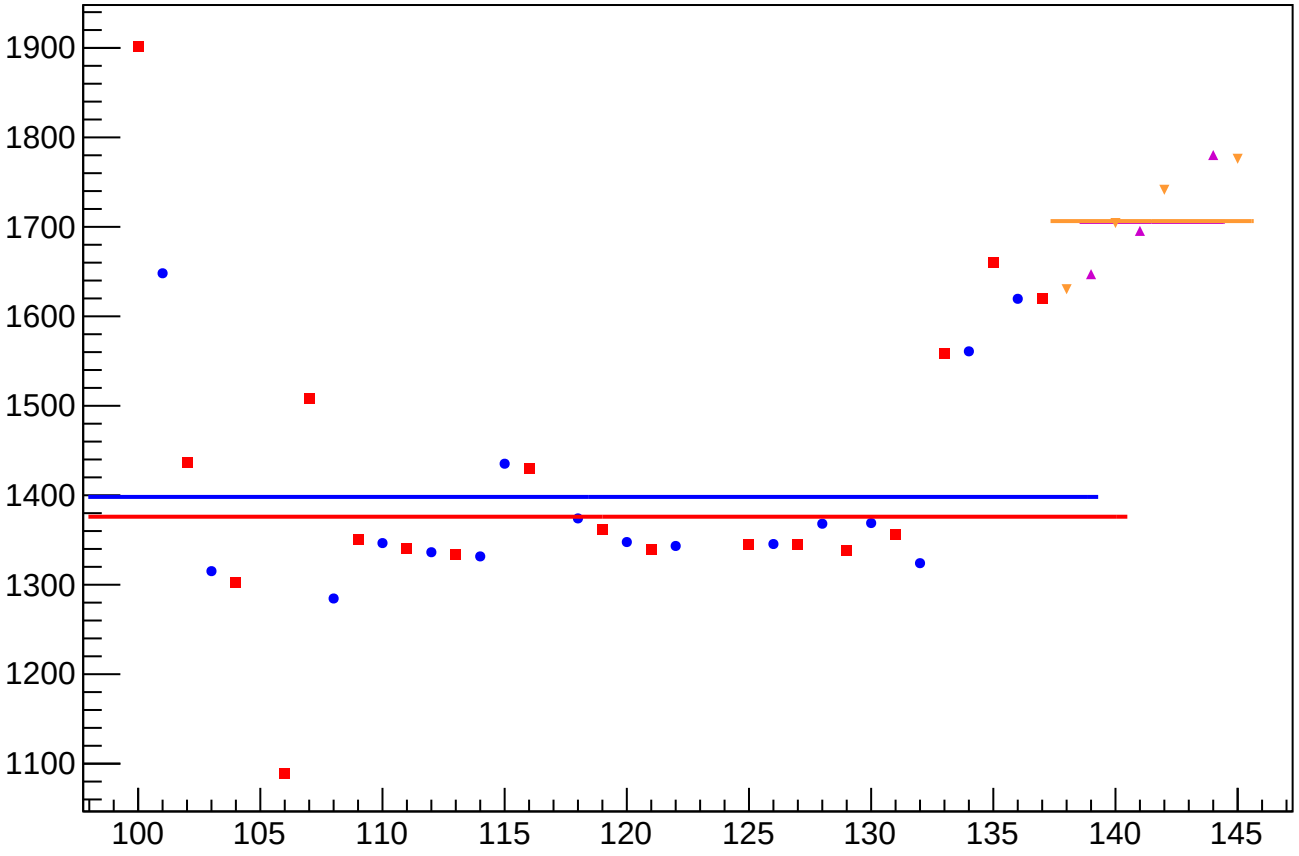
Left In: -3103.268+/-1052.190 χ^2/NDF:4.9/2

+ sign 2123.011+/-463.532 χ^2/NDF: 14.7/19

All: -69.344+/-328.594 χ^2/NDF: 79.8/40

- sign -2283.957+/-465.879 χ^2/NDF: 20.1/20

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

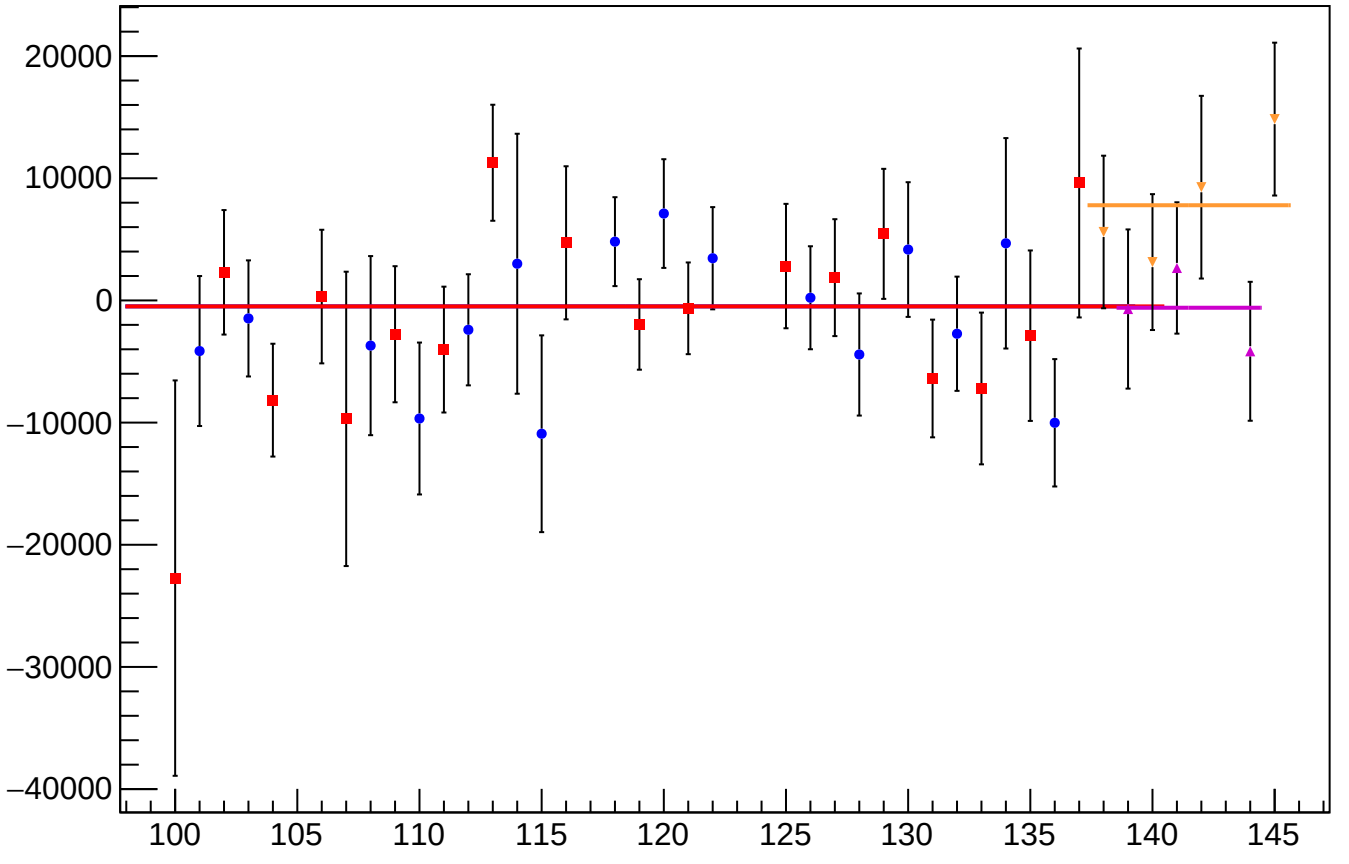
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1705.507+/-0.744 χ^2/NDF:5360.2/2

+ sign 1463.516+/-0.328 χ^2/NDF: 247971.1/19

All: 1451.307+/-0.231 χ^2/NDF: 528613.4/40

- sign 1439.237+/-0.326 χ^2/NDF: 277883.1/20



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

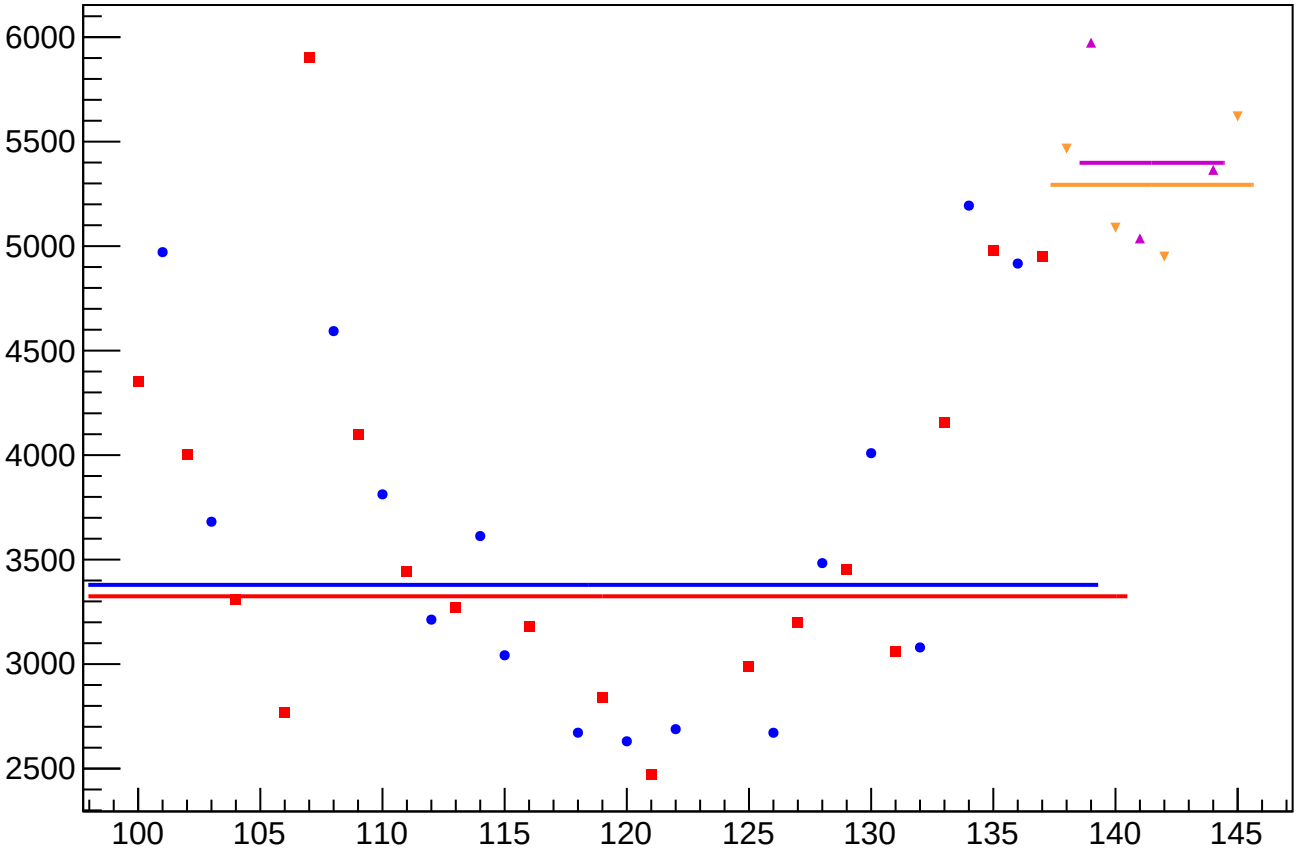
Left In: -598.677+/-3350.291 χ^2/NDF:0.8/2

+ sign 716.560+/-1197.134 χ^2/NDF: 24.0/19

All: 98.588+/-840.534 χ^2/NDF: 44.0/40

- sign -502.260+/-1180.431 χ^2/NDF: 19.5/20

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

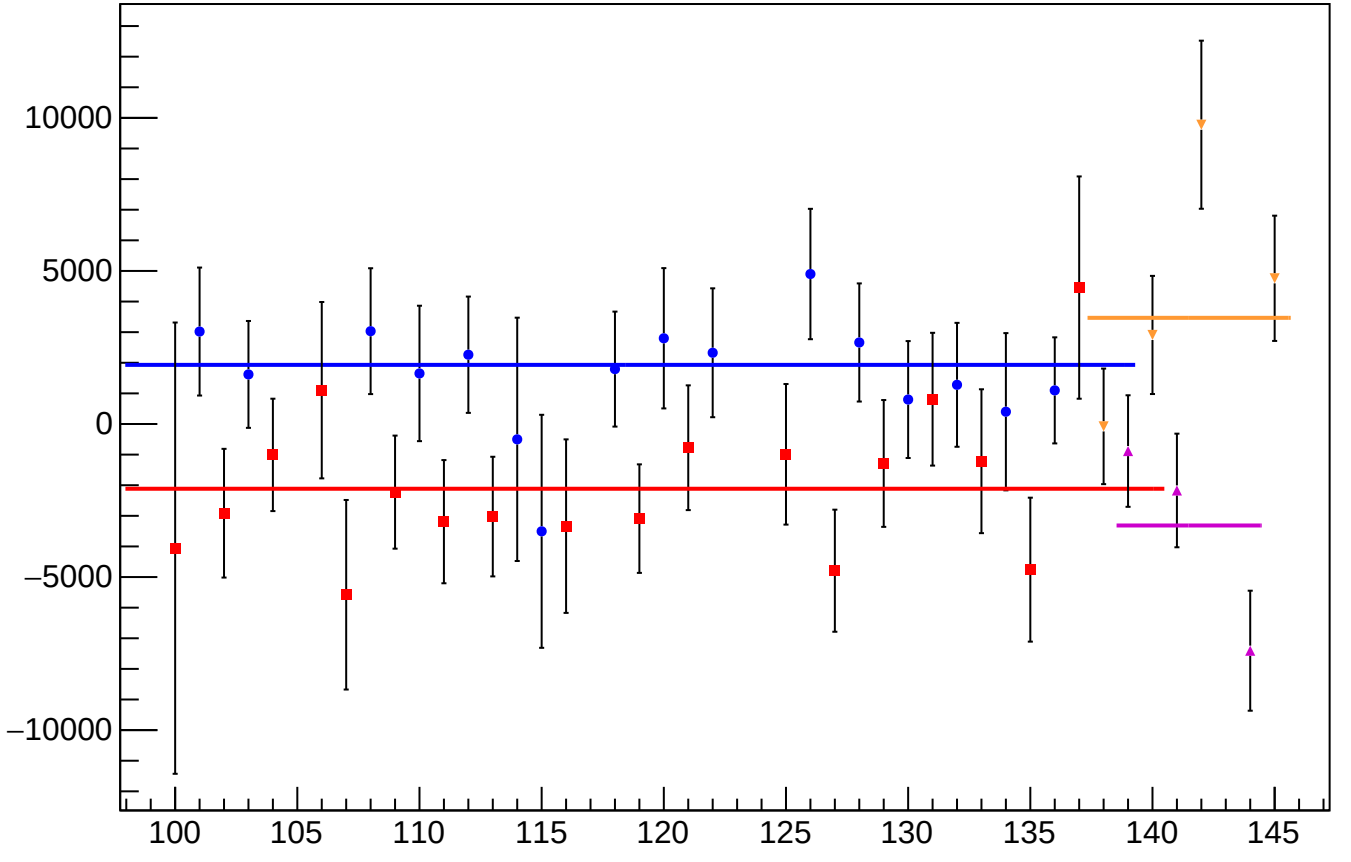
Left In: 5398.677+/-2.369 χ^2/NDF:24696.4/2

\+ sign 3657.351+/-0.847 χ^2/NDF: 1404617.1/19

All: 3619.119+/-0.594 χ^2/NDF: 2648596.7/40

\- sign 3581.947+/-0.835 χ^2/NDF: 1239956.5/20

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

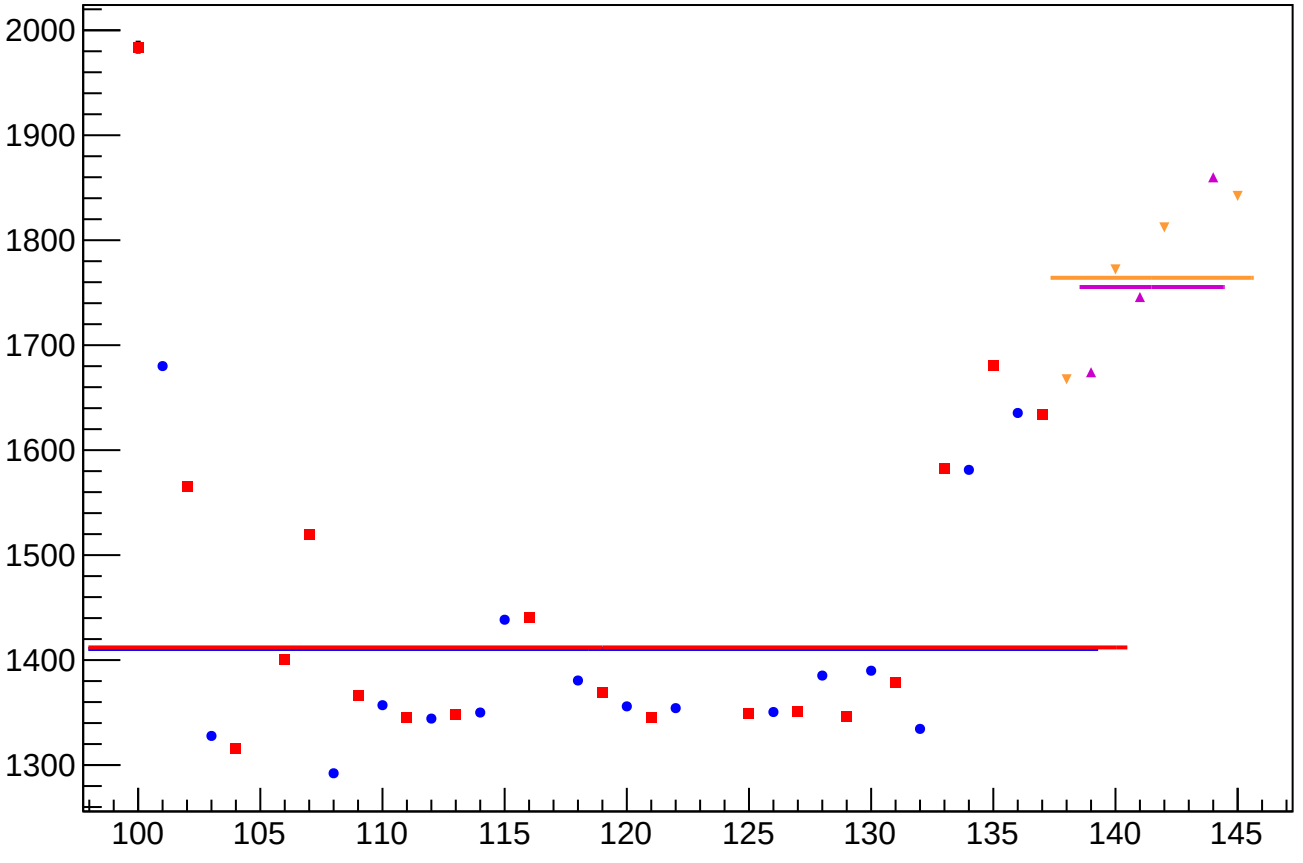
Left In: -3315.394+/-1083.526 χ^2/NDF:6.5/2

+ sign 2244.576+/-470.394 χ^2/NDF: 17.4/19

All: -27.286+/-334.315 χ^2/NDF: 85.2/40

- sign -2346.070+/-475.227 χ^2/NDF: 20.7/20

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

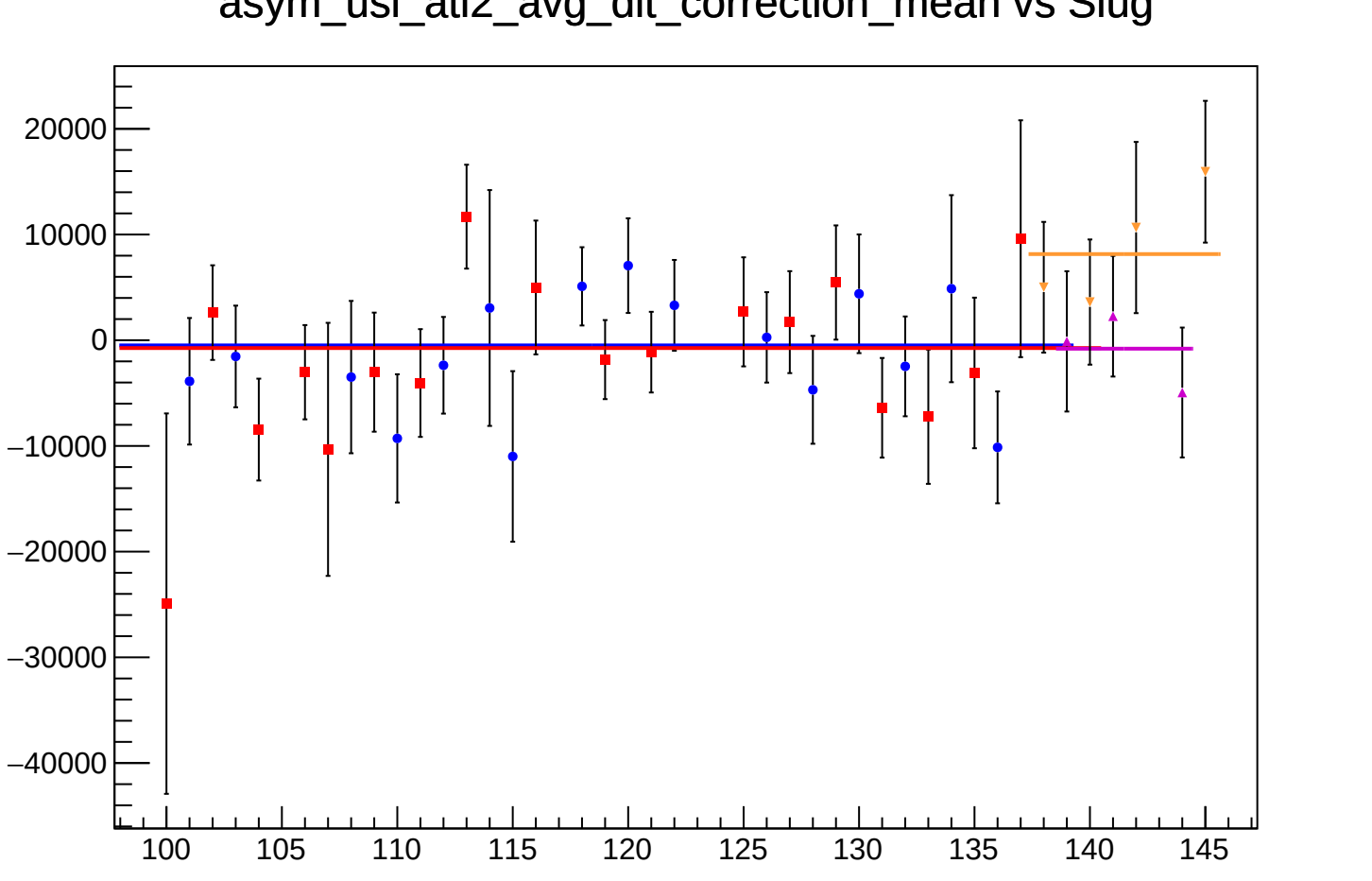
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1755.394+/-0.766 χ^2/NDF:9706.3/2

+ sign 1482.623+/-0.333 χ^2/NDF: 291268.7/19

All: 1480.236+/-0.236 χ^2/NDF: 553142.5/40

- sign 1477.811+/-0.335 χ^2/NDF: 261770.0/20



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

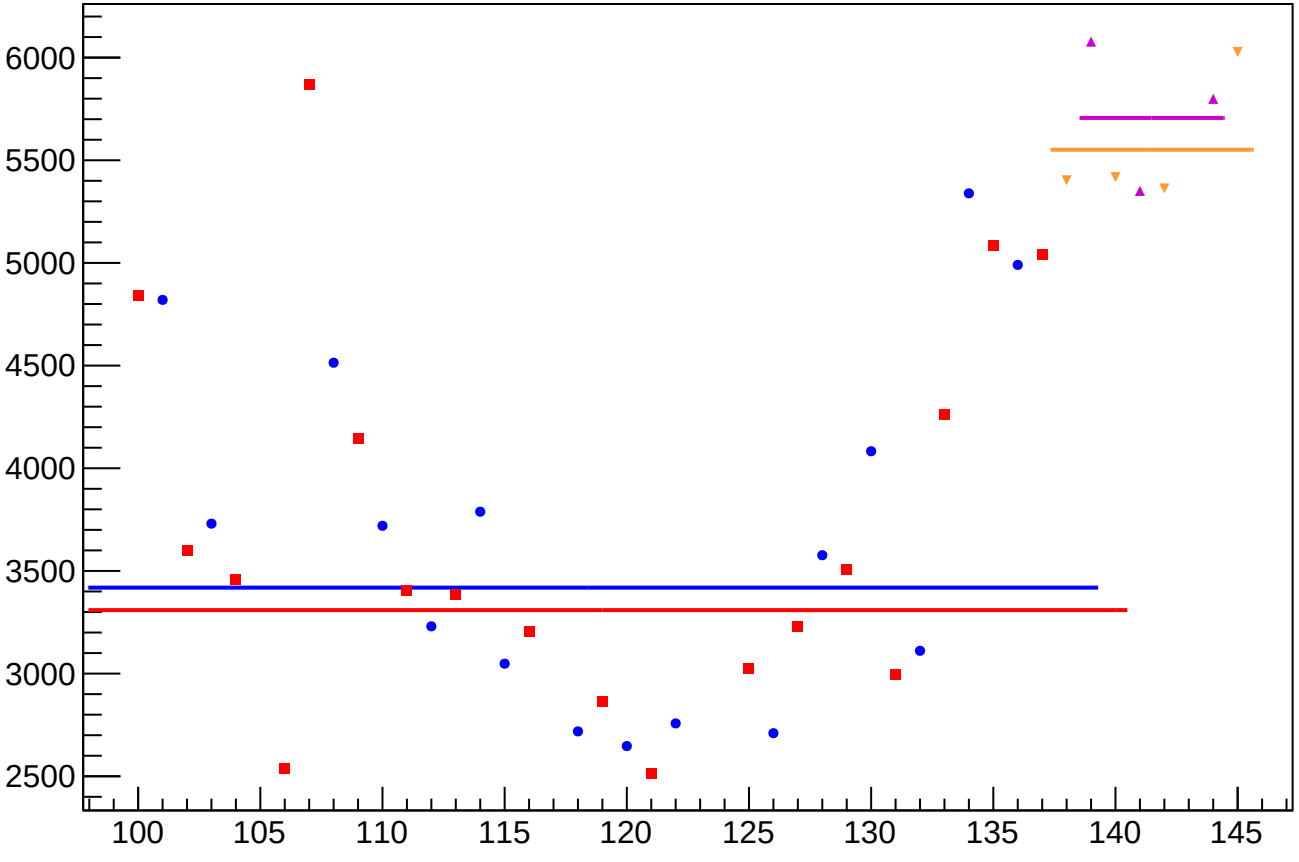
Left In: -798.652+/-3538.251 χ^2/NDF:0.8/2

+ sign 688.285+/-1216.234 χ^2/NDF: 24.1/19

All: -52.955+/-845.754 χ^2/NDF: 44.7/40

- sign -747.015+/-1176.891 χ^2/NDF: 19.9/20

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

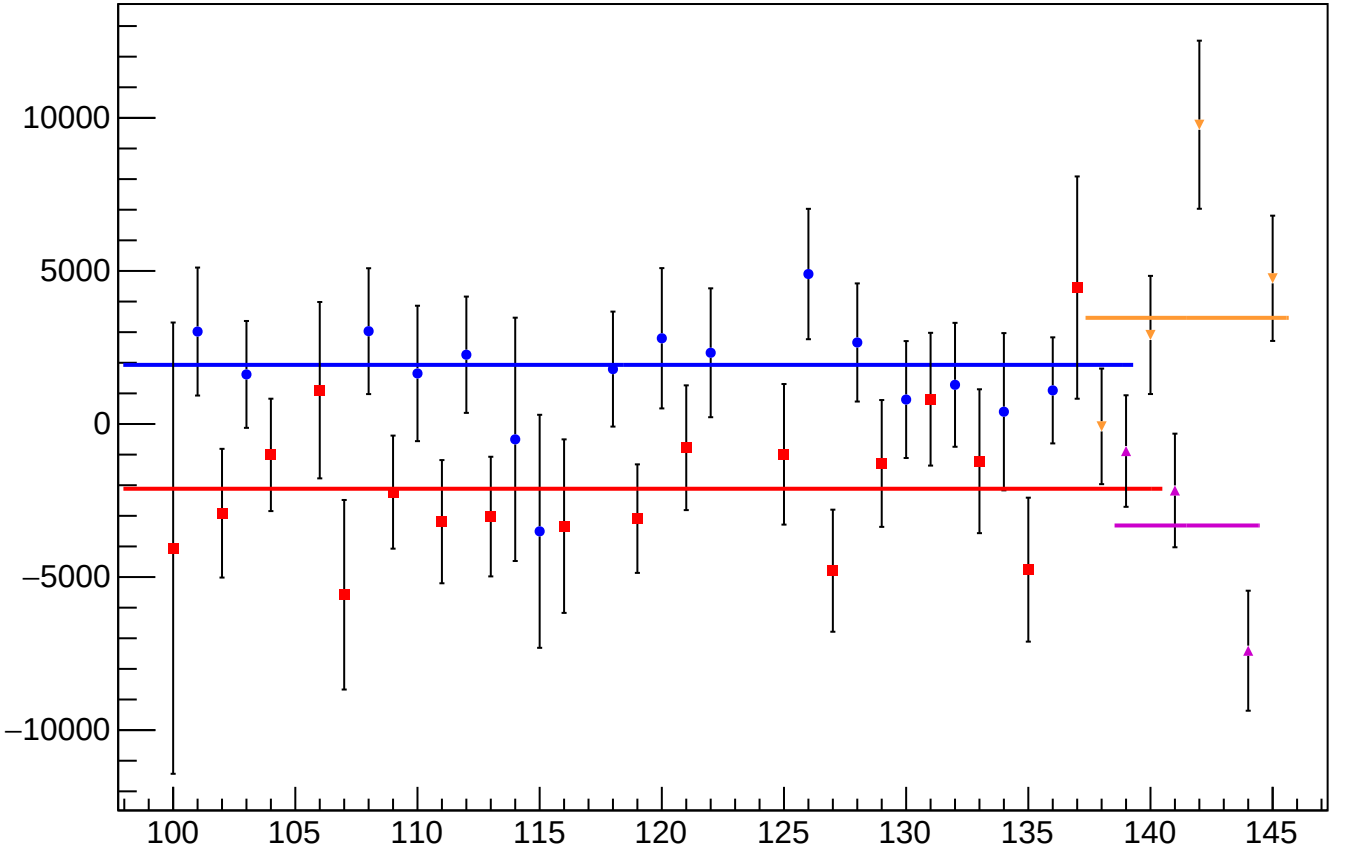
Left In: 5706.167+/-2.502 χ^2/NDF:14480.3/2

\+ sign 3709.393+/-0.860 χ^2/NDF: 1458503.0/19

All: 3639.632+/-0.598 χ^2/NDF: 2874037.1/40

\- sign 3574.312+/-0.832 χ^2/NDF: 1402793.2/20

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

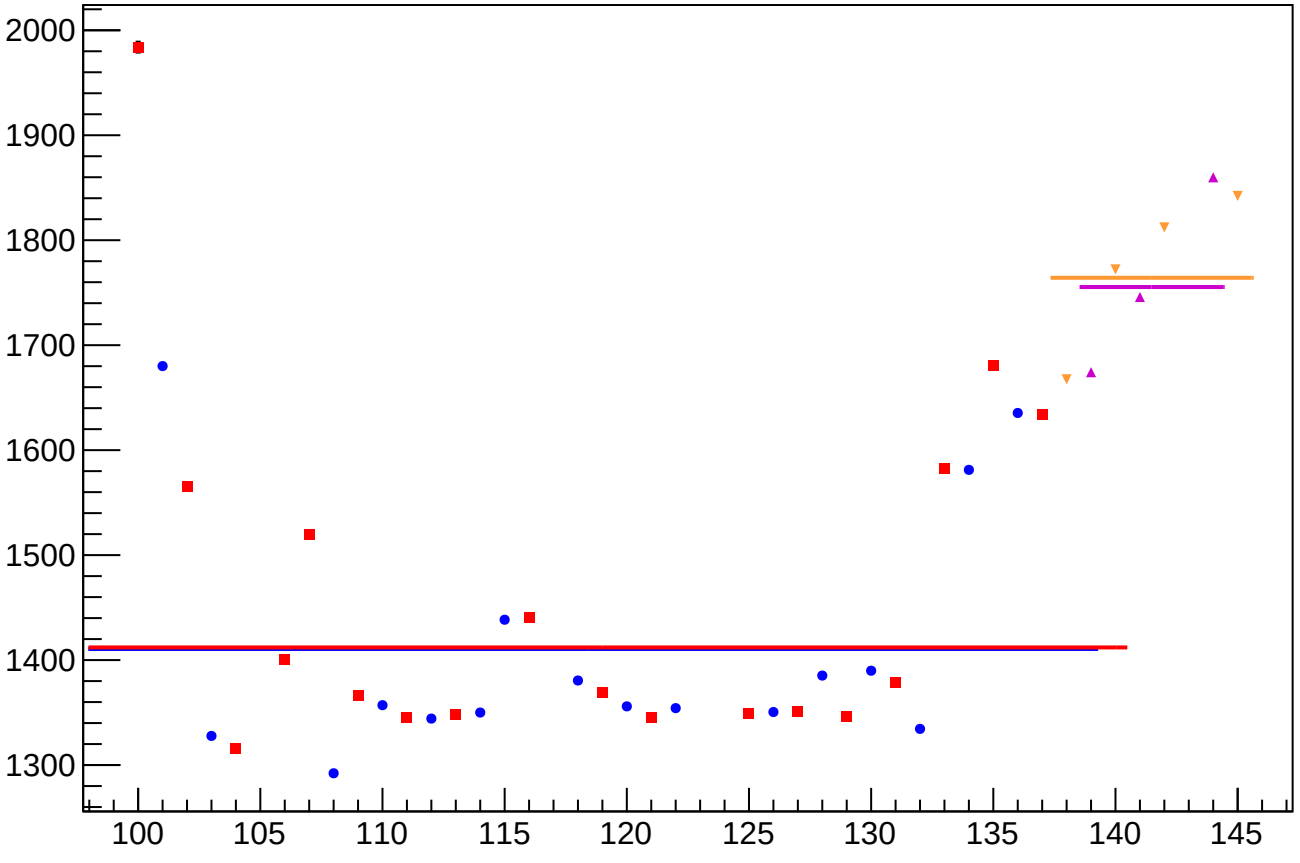
Left In: -3315.396+/-1083.527 χ^2/NDF:6.5/2

+ sign 2244.580+/-470.394 χ^2/NDF: 17.4/19

All: -27.284+/-334.315 χ^2/NDF: 85.2/40

- sign -2346.070+/-475.227 χ^2/NDF: 20.7/20

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

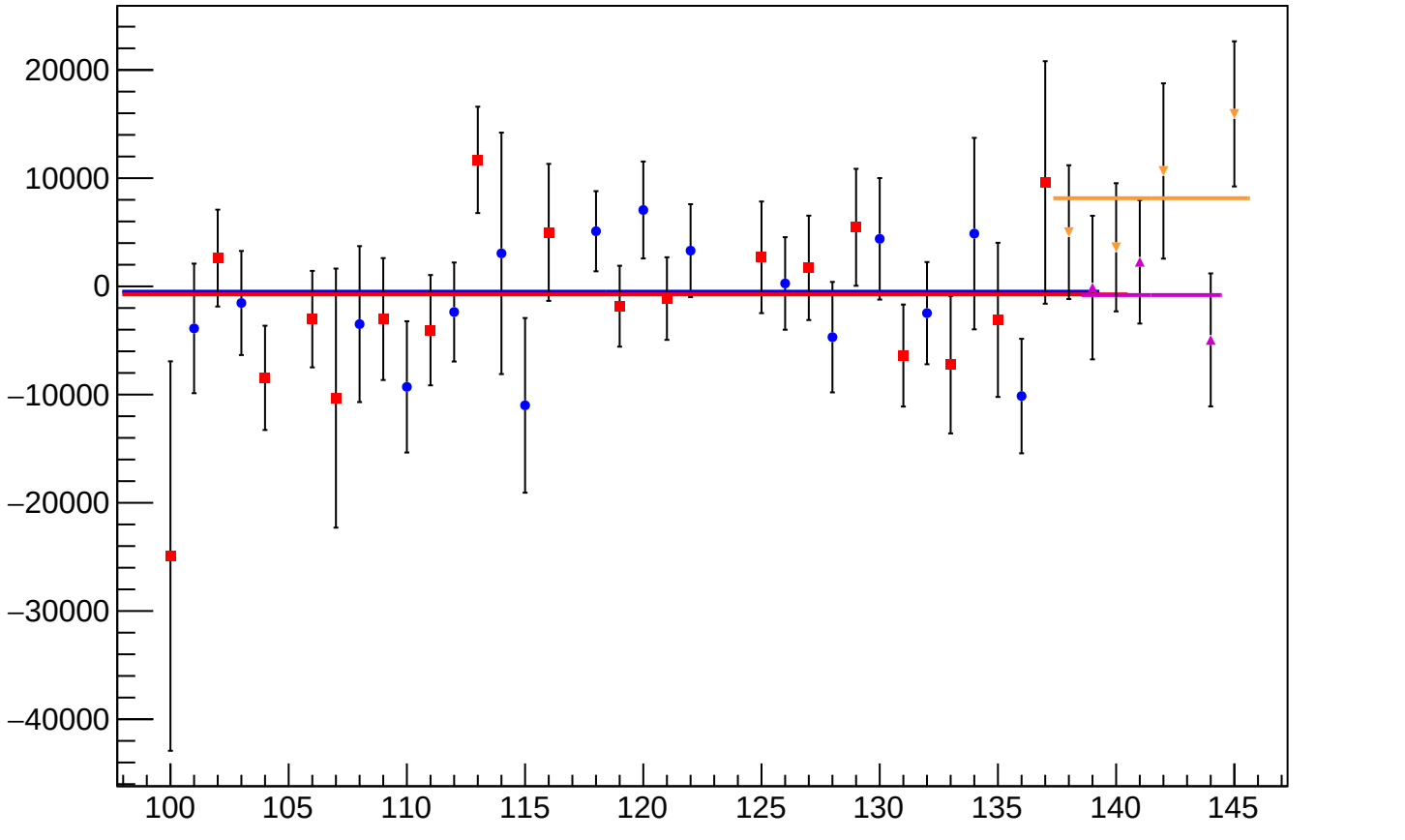
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1755.396+/-0.766 χ^2/NDF:9706.4/2

+ sign 1482.623+/-0.333 χ^2/NDF: 291270.4/19

All: 1480.236+/-0.236 χ^2/NDF: 553146.0/40

- sign 1477.811+/-0.335 χ^2/NDF: 261771.8/20



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 8150.623+/-3294.278 χ^2/NDF:2.3/3

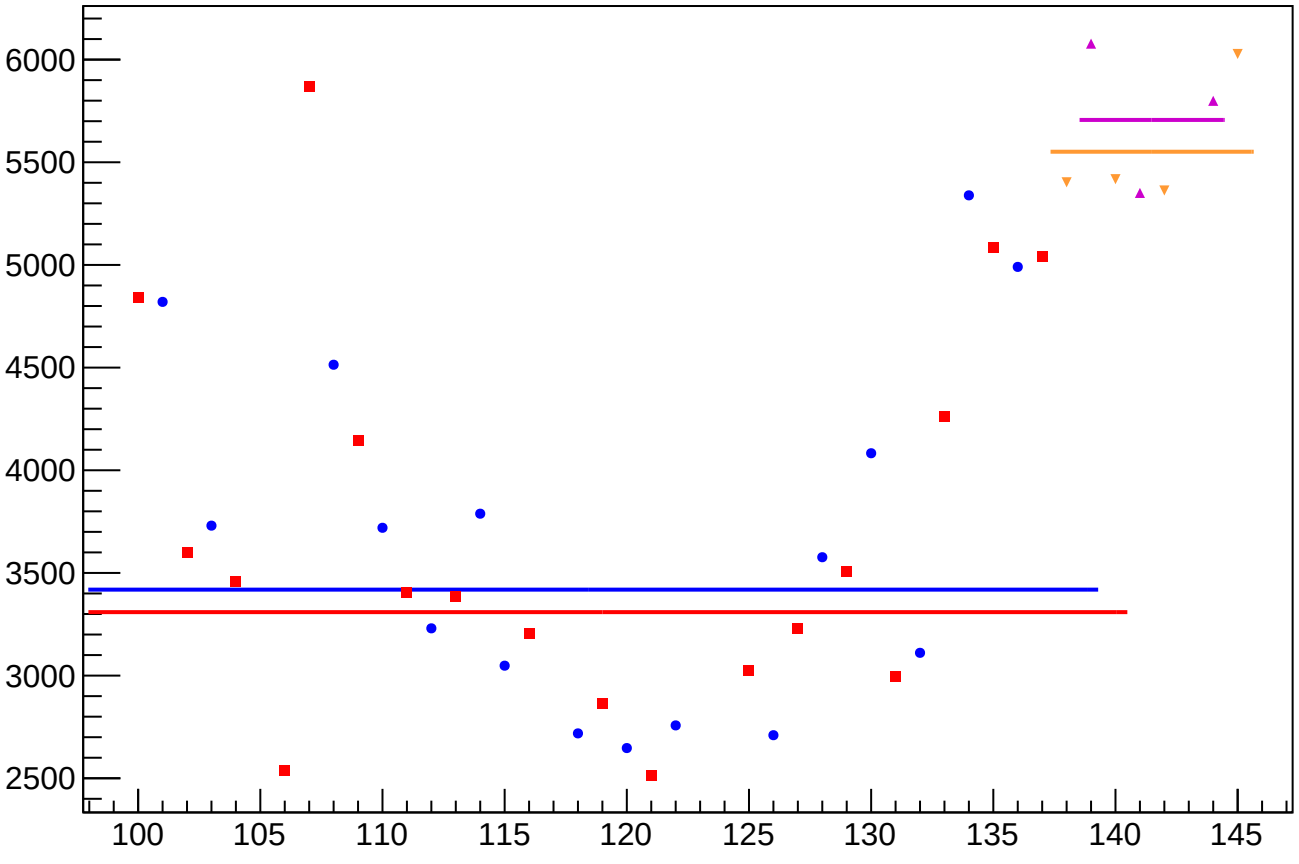
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -798.655+/-3538.259 χ^2/NDF:0.8/2

+ sign 688.283+/-1216.231 χ^2/NDF: 24.1/19

All: -52.958+/-845.753 χ^2/NDF: 44.7/40

- sign -747.018+/-1176.888 χ^2/NDF: 19.9/20



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

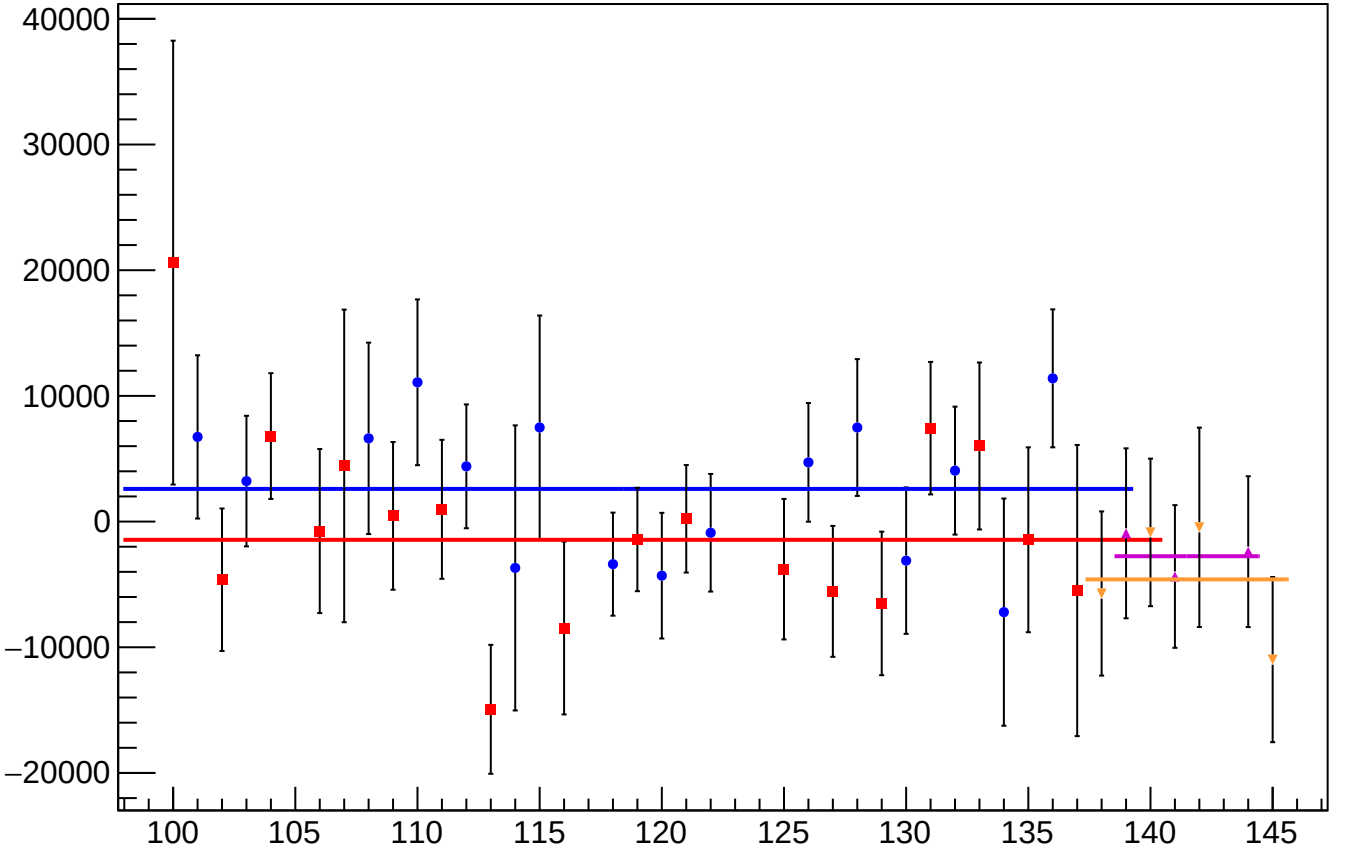
Left In: 5706.179+/-2.502 χ^2/NDF:14480.7/2

\+ sign 3709.382+/-0.860 χ^2/NDF: 1458526.3/19

All: 3639.622+/-0.598 χ^2/NDF: 2874077.3/40

\- sign 3574.302+/-0.832 χ^2/NDF: 1402810.2/20

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

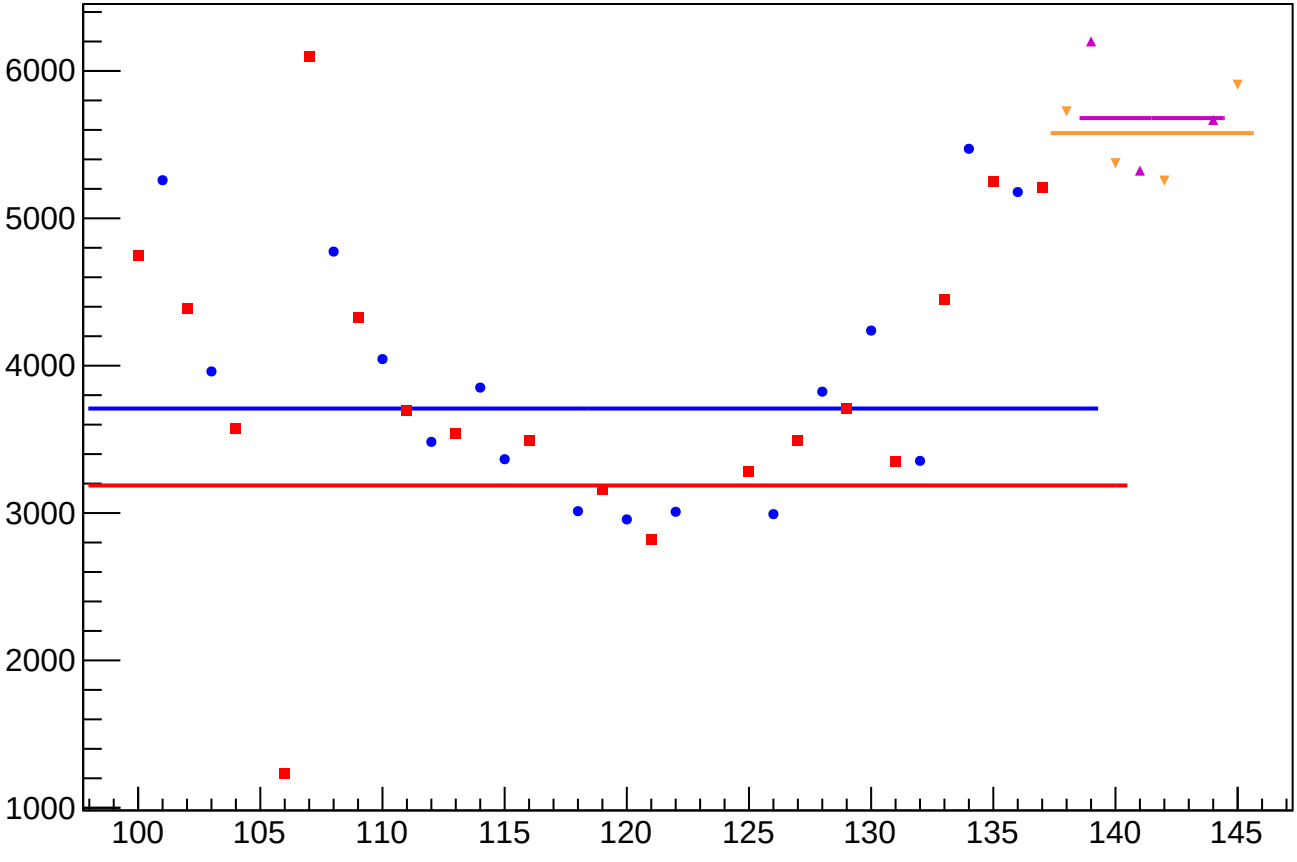
Left In: -2756.342+/-3520.773 χ^2/NDF:0.2/2

+ sign 1485.526+/-1300.435 χ^2/NDF: 19.1/19

All: -85.737+/-914.796 χ^2/NDF: 41.3/40

- sign -1624.947+/-1287.103 χ^2/NDF: 19.3/20

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

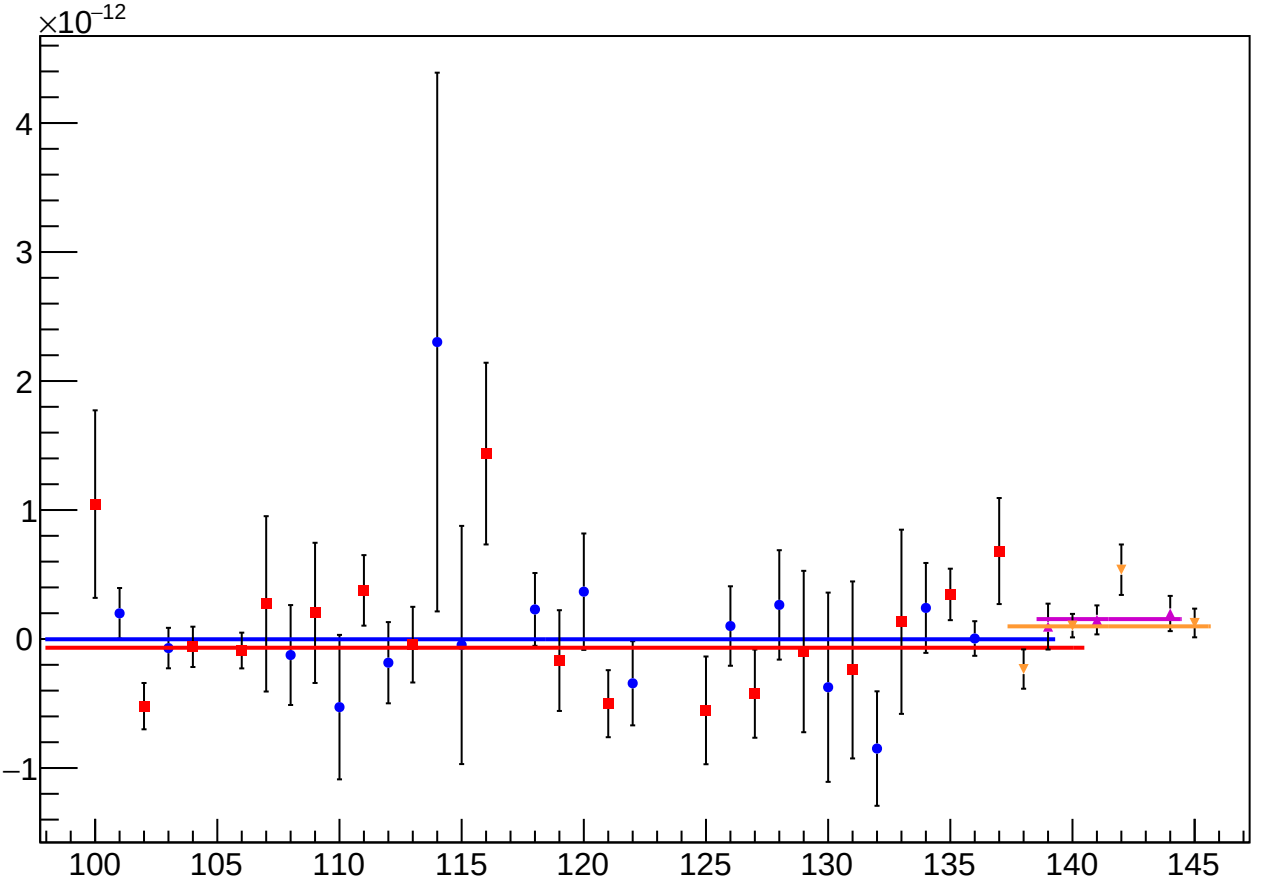
Left In: 5680.204+/-2.490 χ^2/NDF:19738.1/2

+ sign 3998.467+/-0.920 χ^2/NDF: 1162967.6/19

All: 3712.774+/-0.621 χ^2/NDF: 3858999.4/40

- sign 3472.835+/-0.843 χ^2/NDF: 2518434.6/20

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

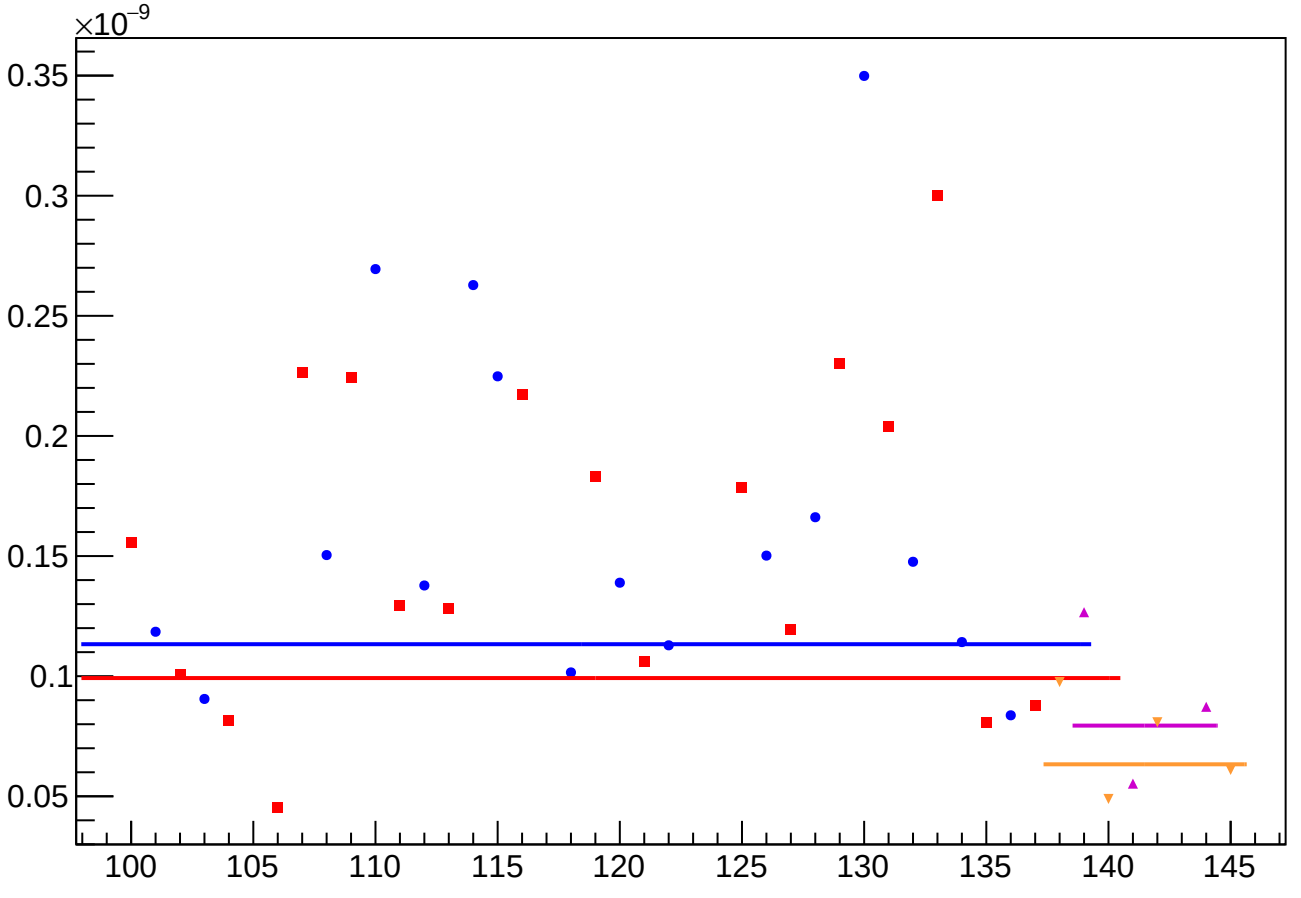
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/19

All: 0.000+/-0.000 χ^2/NDF: 56.7/40

- sign 0.000+/-0.000 χ^2/NDF: 34.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:168039.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

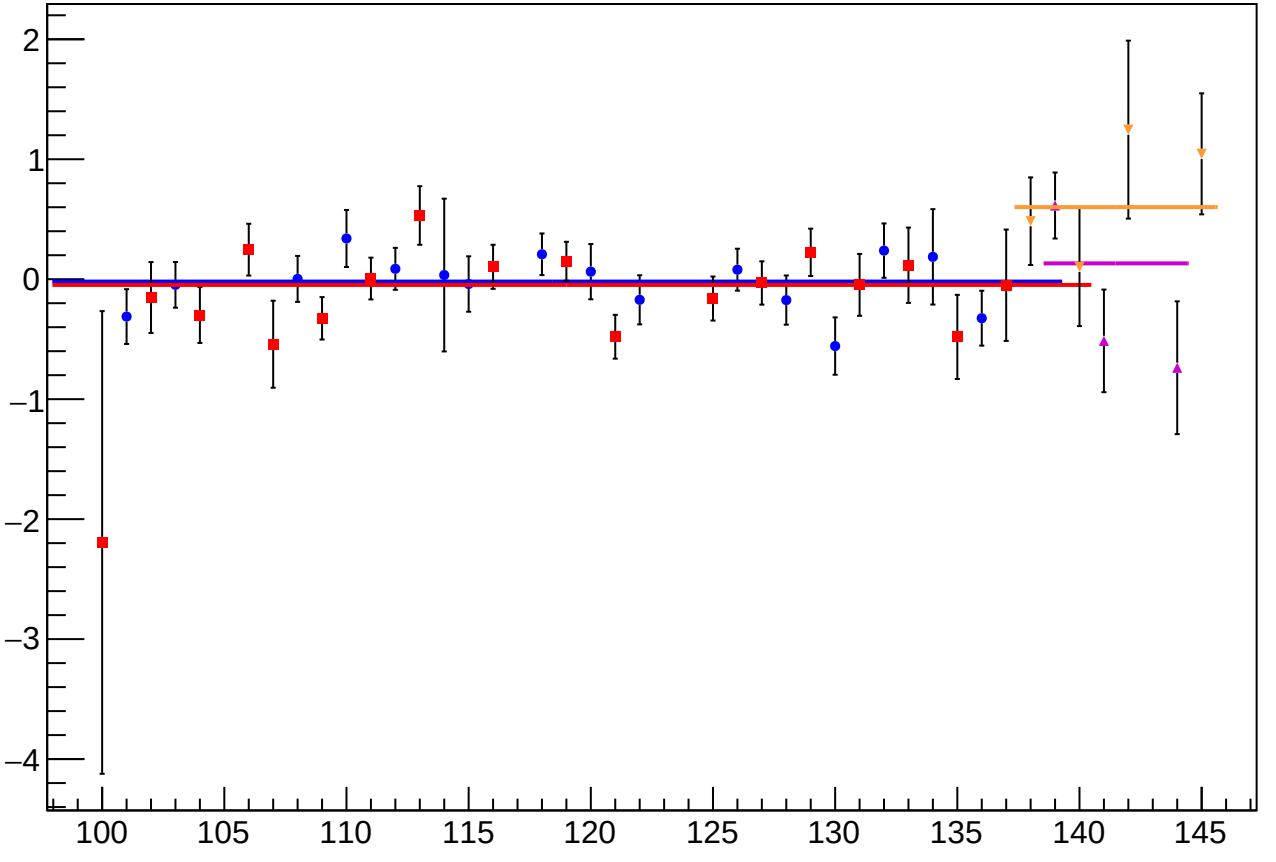
Left In: 0.000+/-0.000 χ^2/NDF:239789.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 1401485.4/19

All: 0.000+/-0.000 χ^2/NDF: 2834881.6/40

- sign 0.000+/-0.000 χ^2/NDF: 1416010.9/20

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

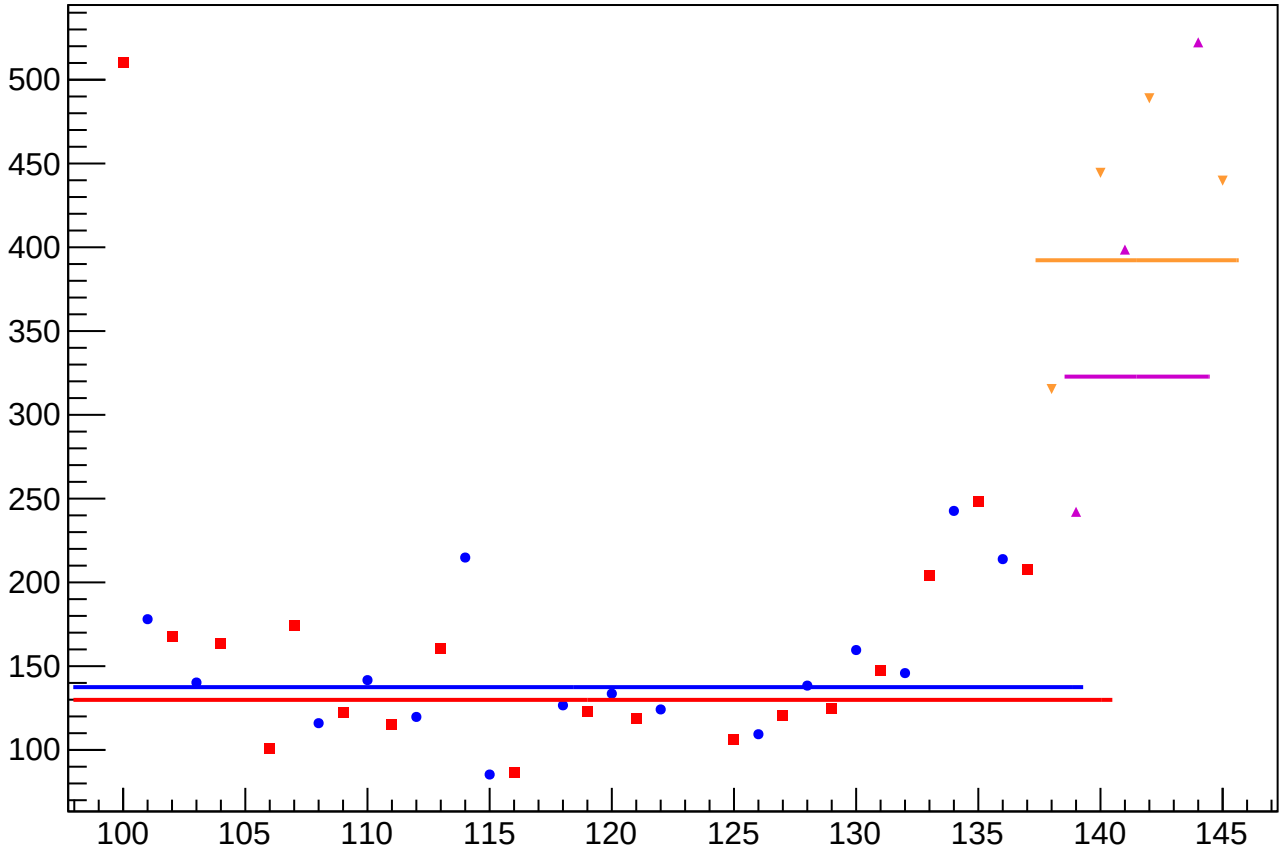
Left In: 0.132+/-0.213 χ^2/NDF:7.8/2

+ sign 0.010+/-0.053 χ^2/NDF: 25.0/19

All: -0.014+/-0.037 χ^2/NDF: 60.2/40

- sign -0.037+/-0.051 χ^2/NDF: 34.8/20

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

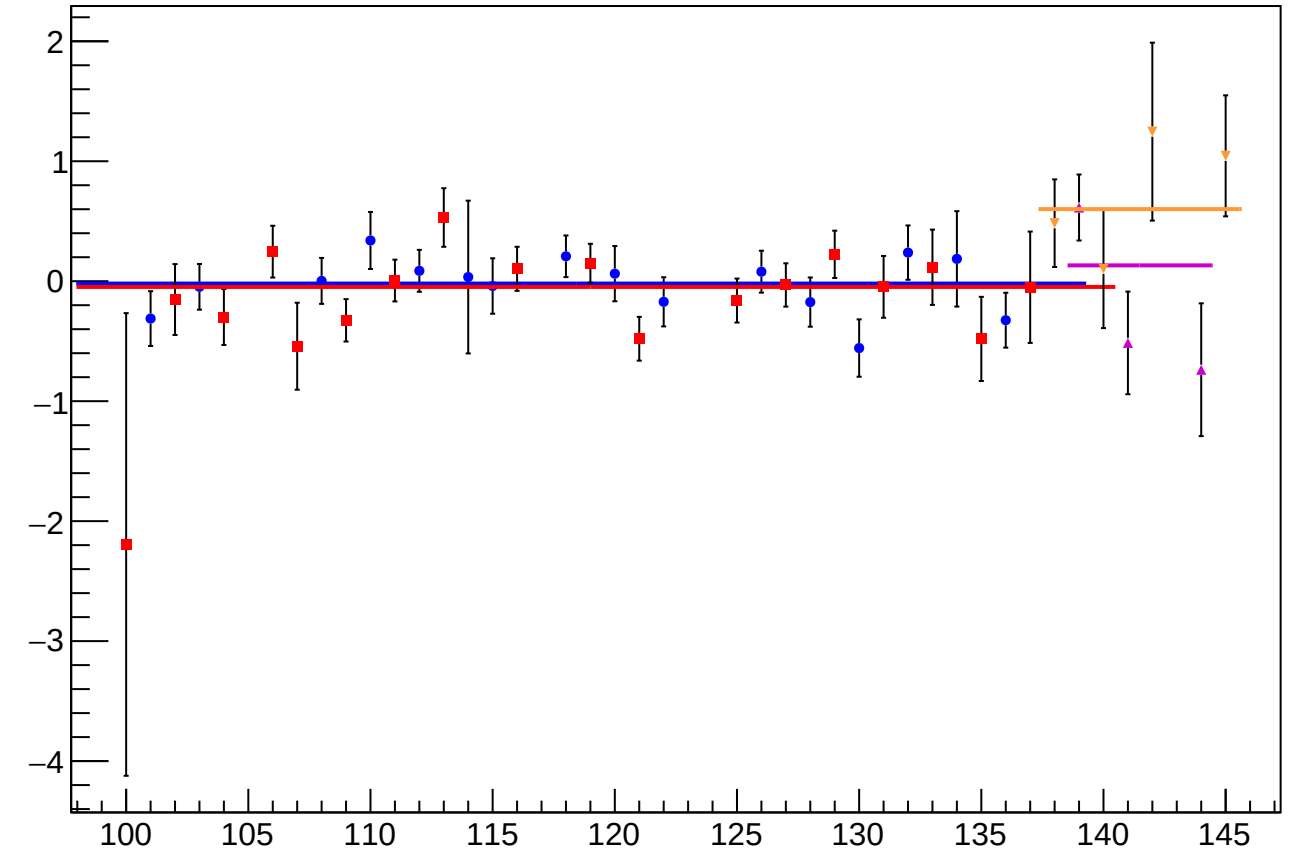
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 322.812+/-0.151 χ^2/NDF:494762.8/2

+ sign 149.848+/-0.037 χ^2/NDF: 2998266.5/19

All: 145.205+/-0.026 χ^2/NDF: 5897212.1/40

- sign 140.889+/-0.036 χ^2/NDF: 2869183.7/20



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.601+/-0.240 χ^2/NDF:2.7/3

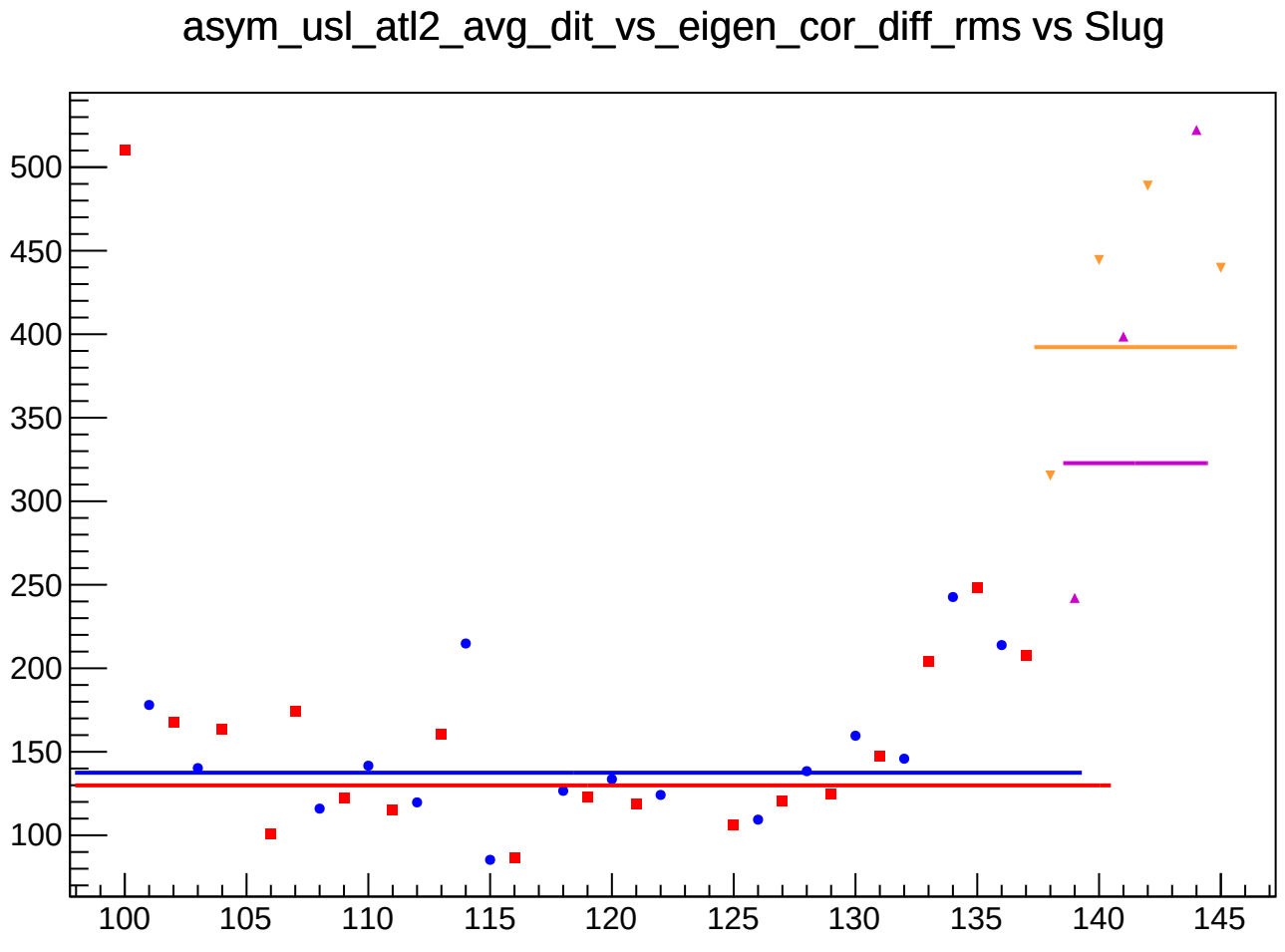
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.132+/-0.213 χ^2/NDF:7.8/2

+ sign 0.010+/-0.053 χ^2/NDF: 25.0/19

All: -0.014+/-0.037 χ^2/NDF: 60.2/40

- sign -0.037+/-0.051 χ^2/NDF: 34.8/20



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 392.259+/-0.170 χ^2/NDF:162662.1/3

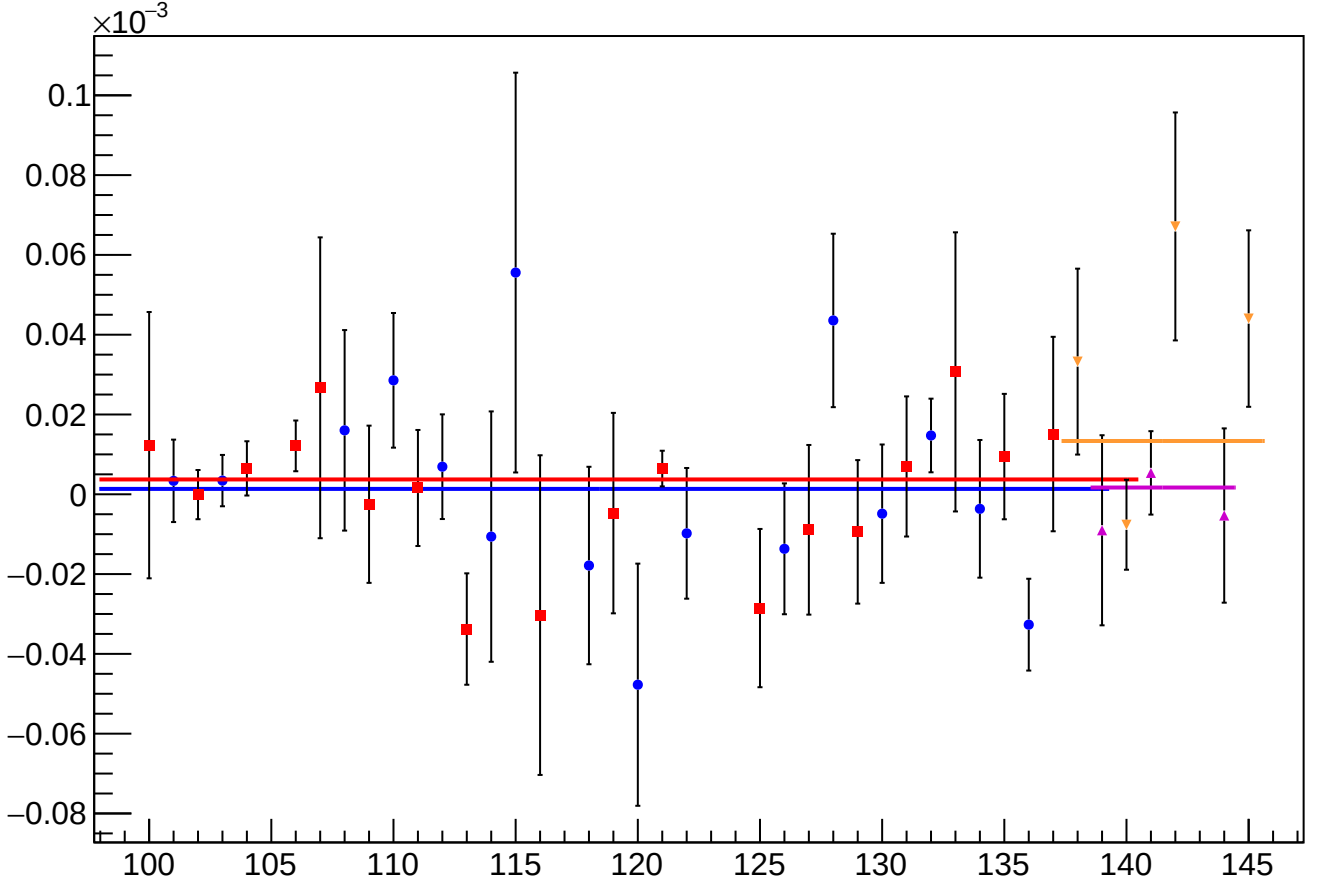
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 322.812+/-0.151 χ^2/NDF:494762.8/2

+ sign 149.848+/-0.037 χ^2/NDF: 2998266.5/19

All: 145.205+/-0.026 χ^2/NDF: 5897212.1/40

- sign 140.889+/-0.036 χ^2/NDF: 2869183.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/3

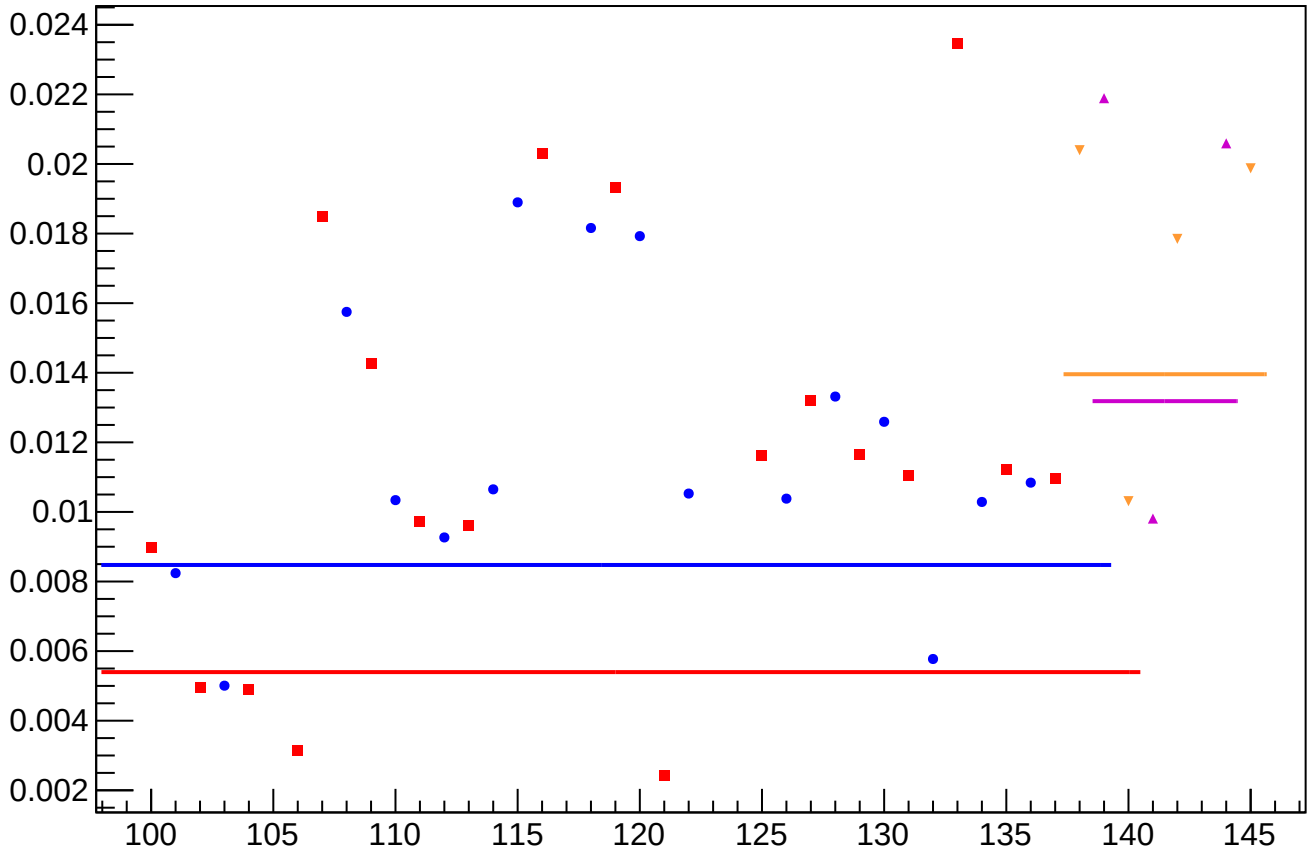
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

\+ sign 0.000+/-0.000 χ^2/NDF: 35.2/19

All: 0.000+/-0.000 χ^2/NDF: 51.5/40

\- sign 0.000+/-0.000 χ^2/NDF: 16.3/20



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.014+/-0.000 χ^2/NDF:542556.5/3

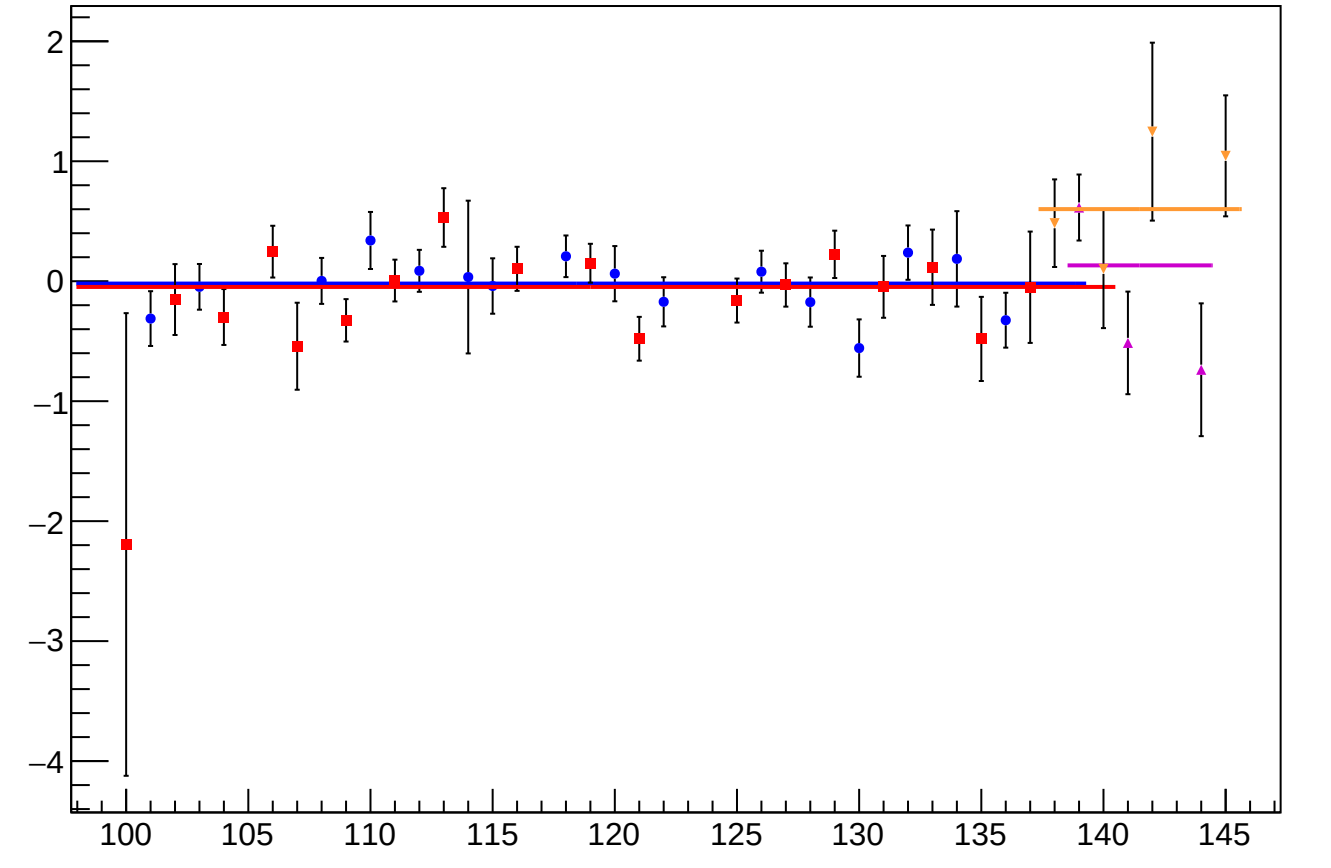
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.013+/-0.000 χ^2/NDF:705593.8/2

+ sign 0.009+/-0.000 χ^2/NDF: 3144492.2/19

All: 0.007+/-0.000 χ^2/NDF: 11492093.3/40

- sign 0.006+/-0.000 χ^2/NDF: 7071074.6/20



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.601+/-0.240 χ^2/NDF:2.7/3

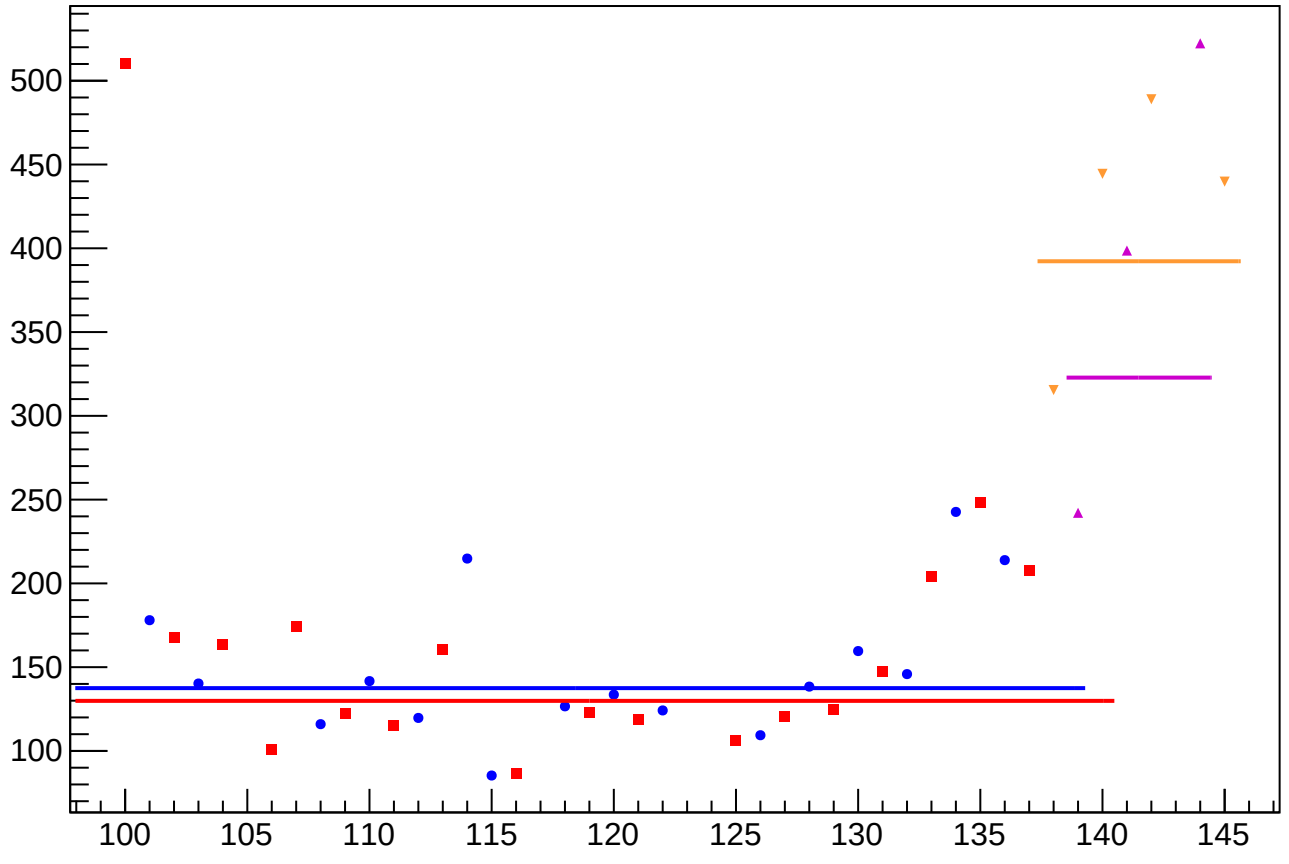
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.132+/-0.213 χ^2/NDF:7.8/2

+ sign 0.010+/-0.053 χ^2/NDF: 25.0/19

All: -0.014+/-0.037 χ^2/NDF: 60.2/40

- sign -0.037+/-0.051 χ^2/NDF: 34.8/20



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 392.264+/-0.170 χ^2/NDF:162677.2/3

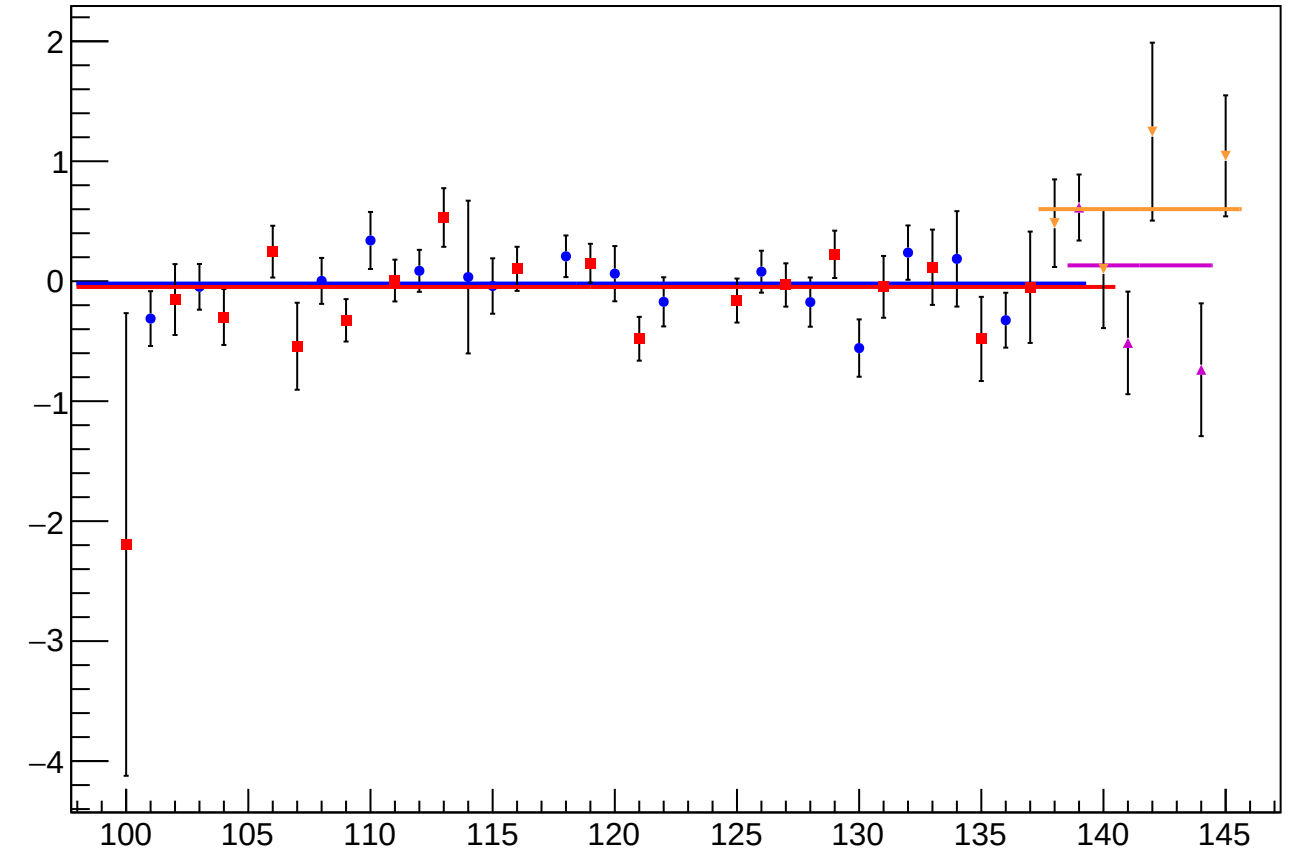
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 322.821+/-0.151 χ^2/NDF:494742.9/2

+ sign 149.848+/-0.037 χ^2/NDF: 2998291.3/19

All: 145.204+/-0.026 χ^2/NDF: 5897231.1/40

- sign 140.889+/-0.036 χ^2/NDF: 2869179.5/20



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.601+/-0.240 χ^2/NDF:2.7/3

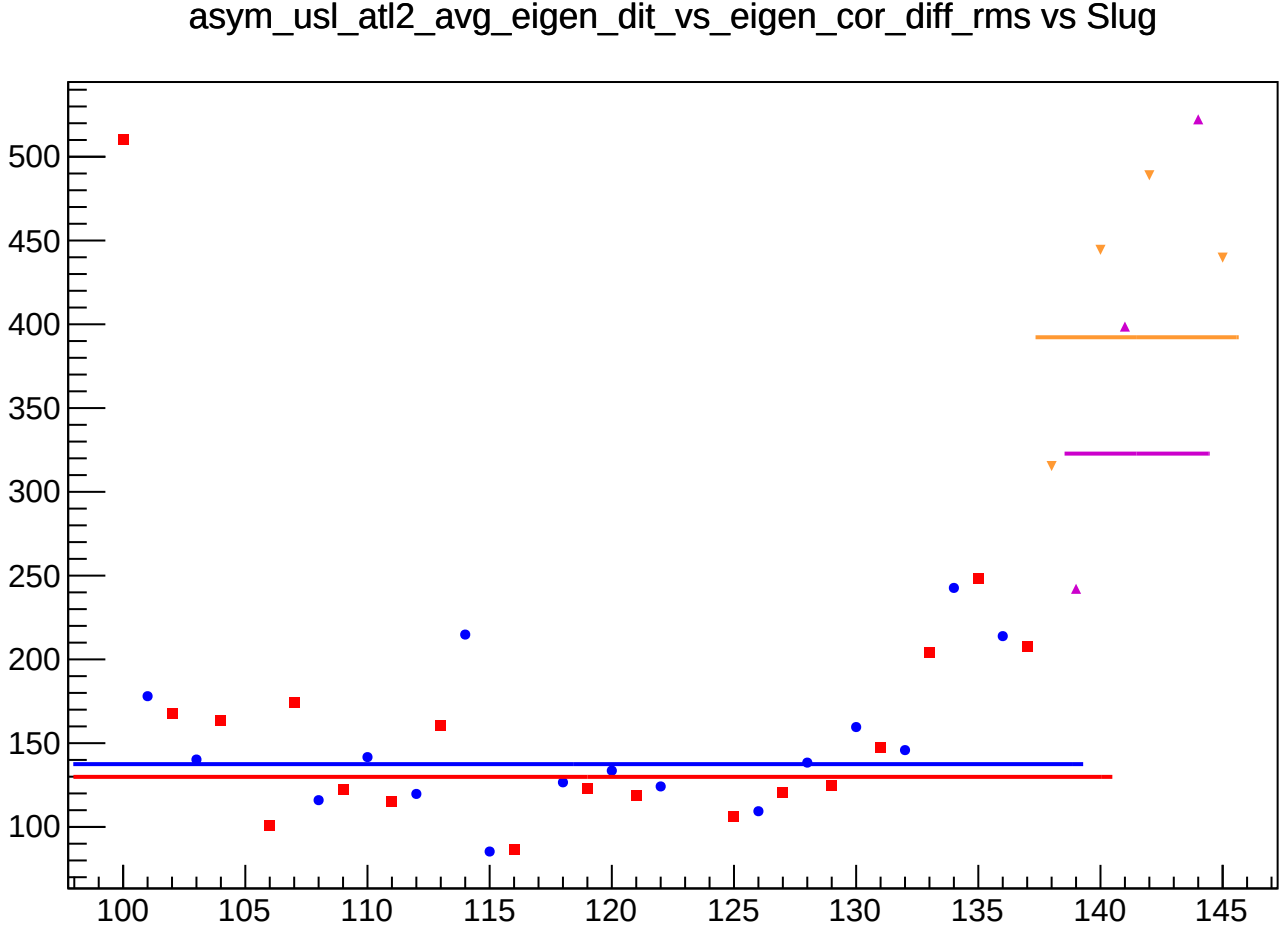
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.132+/-0.213 χ^2/NDF:7.8/2

+ sign 0.010+/-0.053 χ^2/NDF: 25.0/19

All: -0.014+/-0.037 χ^2/NDF: 60.2/40

- sign -0.037+/-0.051 χ^2/NDF: 34.8/20



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 392.264+/-0.170 χ^2/NDF:162677.2/3

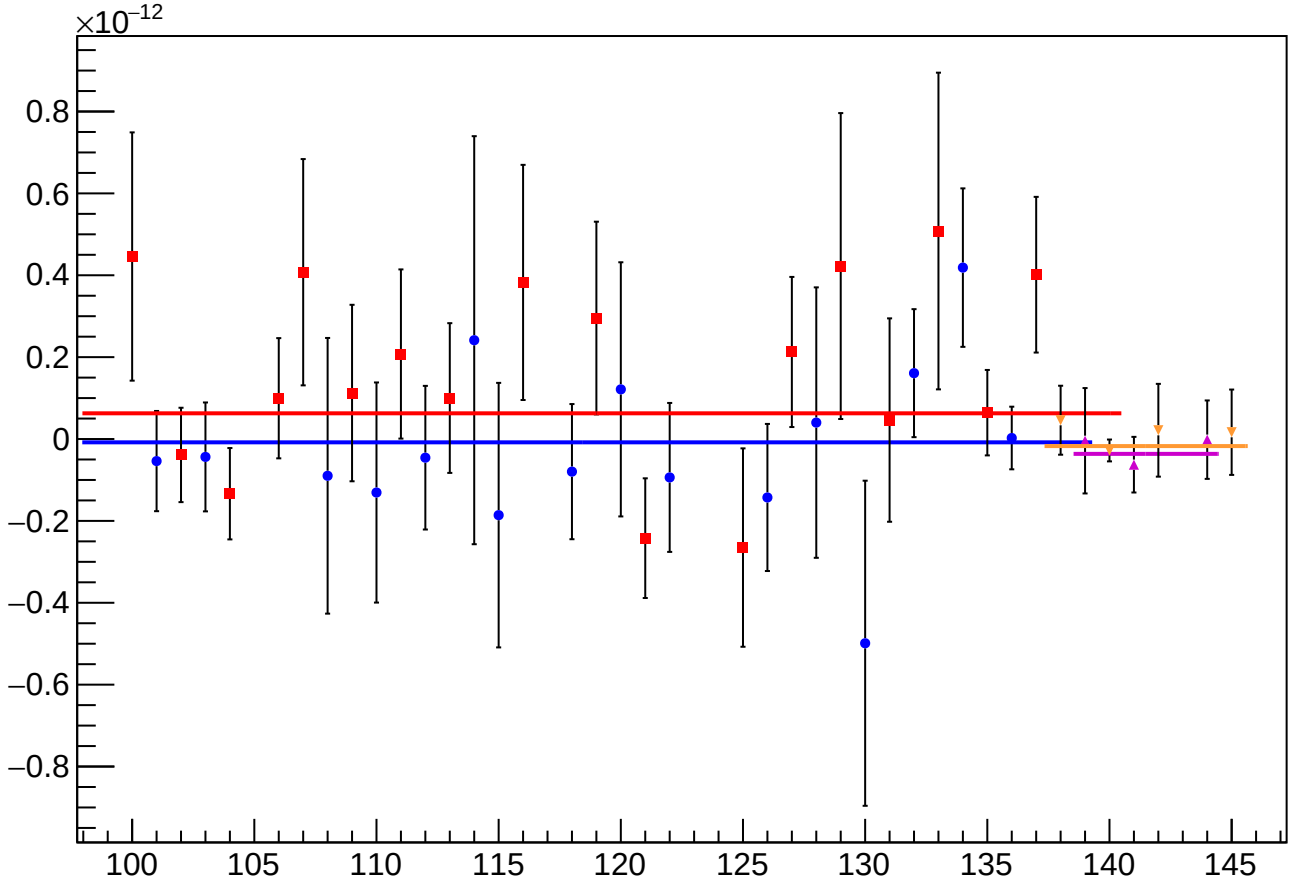
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 322.821+/-0.151 χ^2/NDF:494742.9/2

+ sign 149.848+/-0.037 χ^2/NDF: 2998291.3/19

All: 145.204+/-0.026 χ^2/NDF: 5897231.1/40

- sign 140.889+/-0.036 χ^2/NDF: 2869179.5/20



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/3

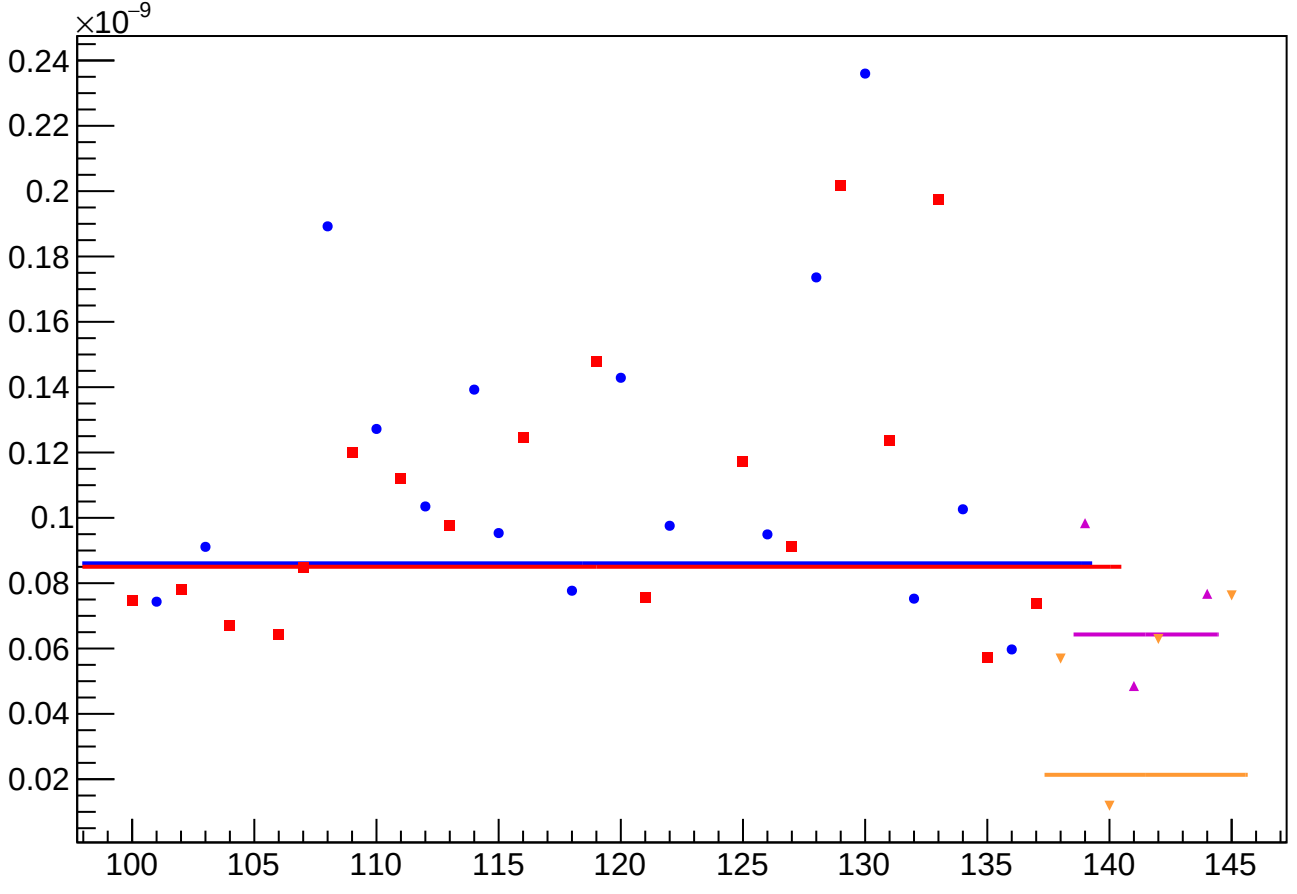
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

+ sign -0.000+/-0.000 χ^2/NDF: 10.8/19

All: -0.000+/-0.000 χ^2/NDF: 36.6/40

- sign 0.000+/-0.000 χ^2/NDF: 24.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1432722.1/3

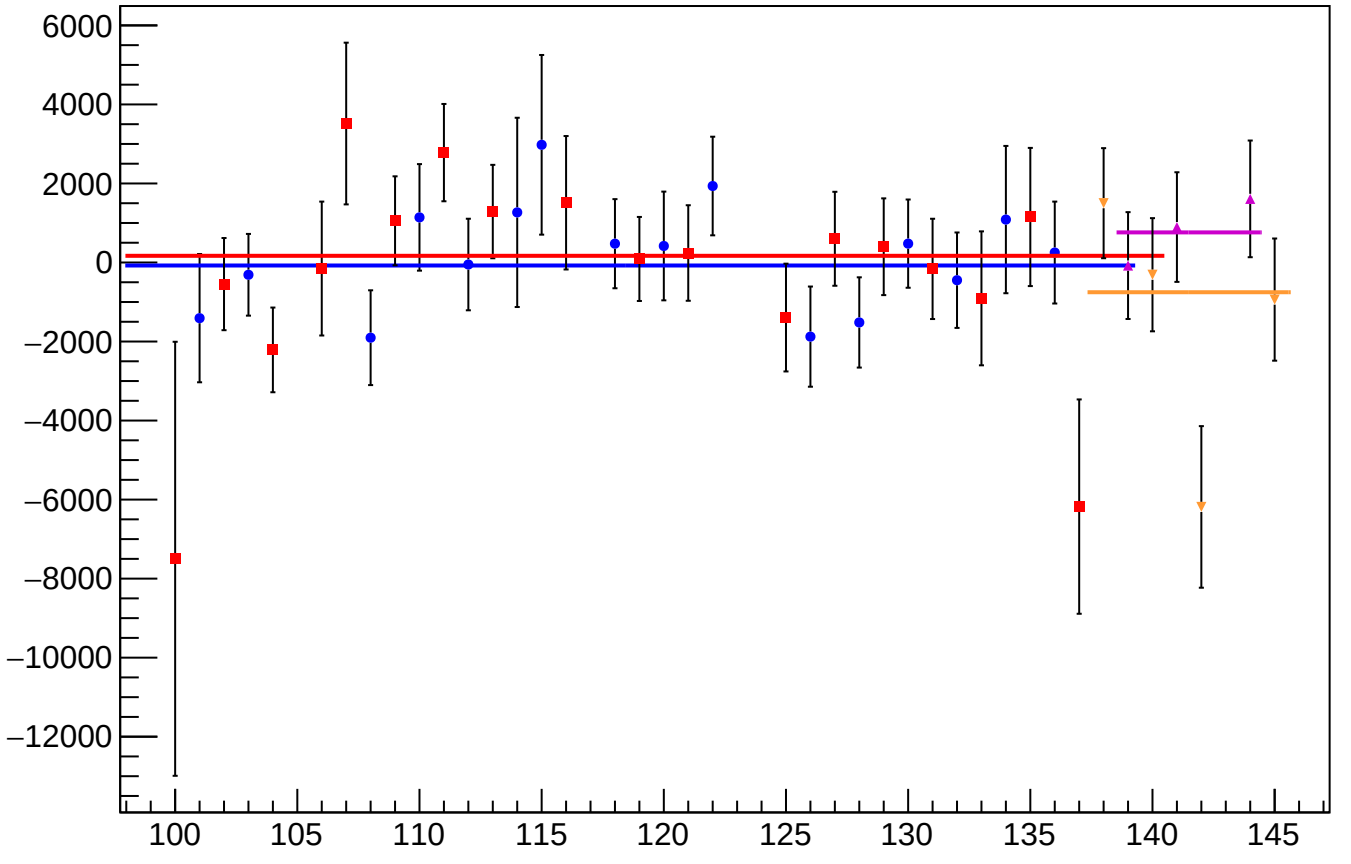
Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:281753.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 6015679.0/19

All: 0.000+/-0.000 χ^2/NDF: 9588611.2/40

- sign 0.000+/-0.000 χ^2/NDF: 1463280.6/20



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

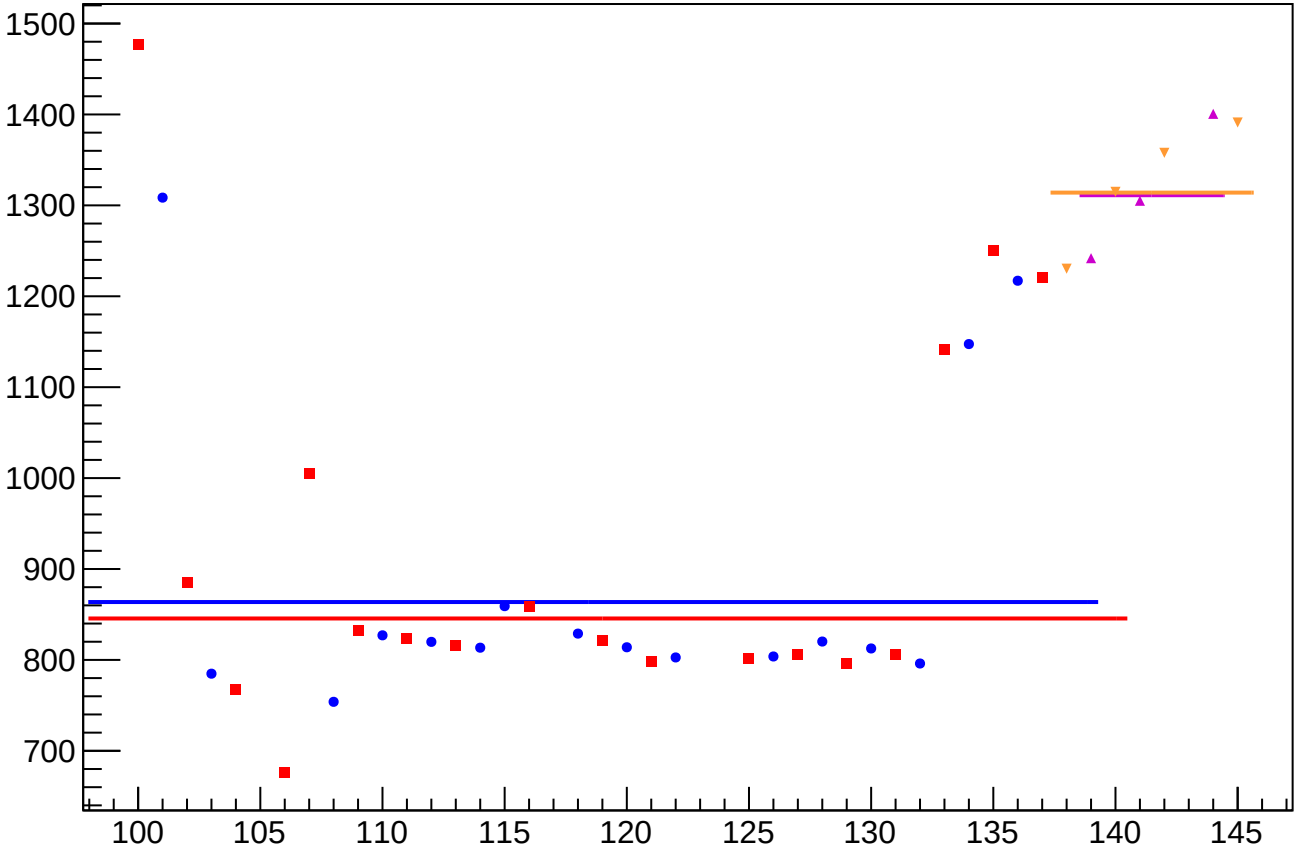
Left In: 761.690+/-809.636 χ^2/NDF:0.7/2

+ sign -177.558+/-300.729 χ^2/NDF: 23.8/19

All: 37.490+/-212.057 χ^2/NDF: 50.4/40

- sign 250.167+/-299.066 χ^2/NDF: 25.6/20

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

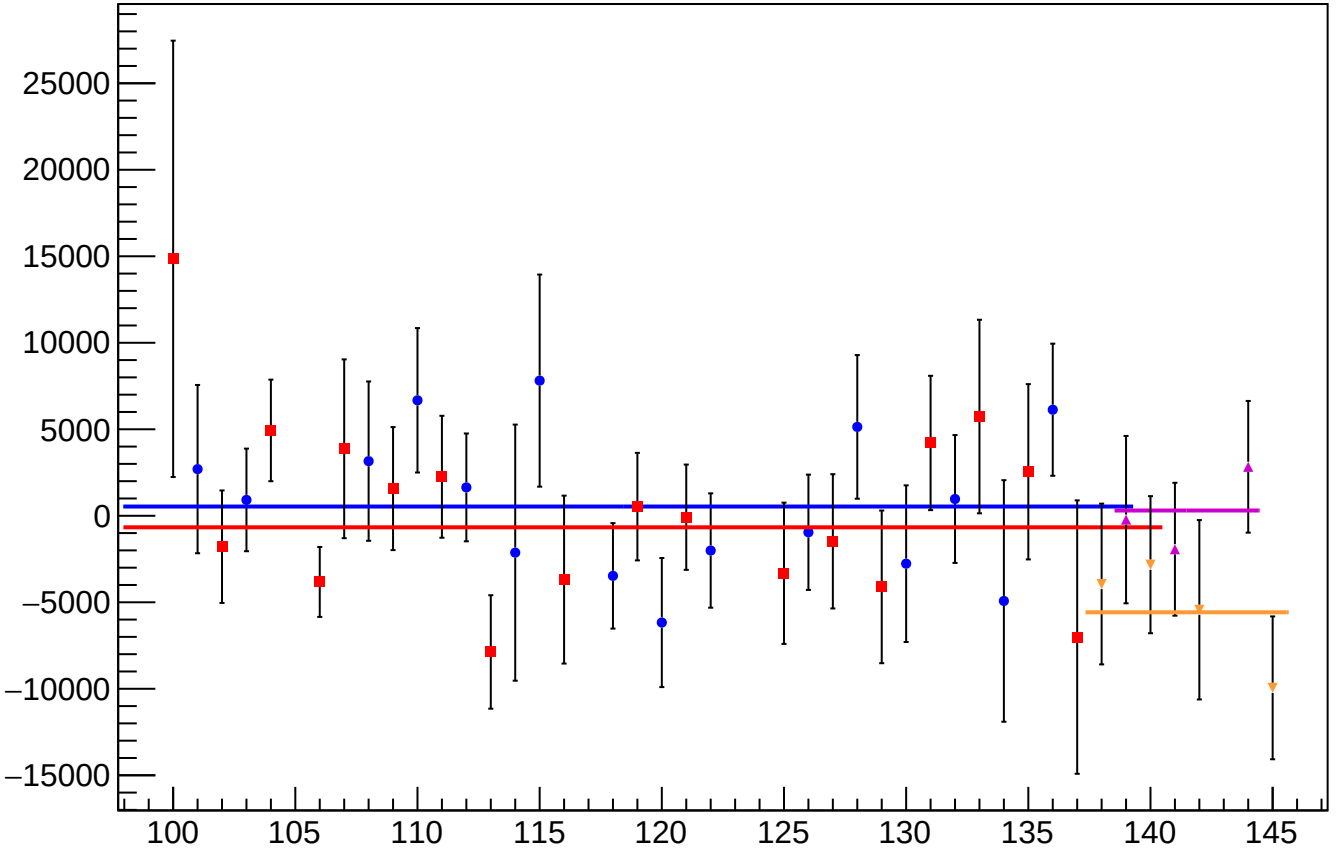
Left In: 1311.176+/-0.572 χ^2/NDF:12640.7/2

+ sign 931.311+/-0.213 χ^2/NDF: 993194.2/19

All: 919.341+/-0.149 χ^2/NDF: 1892931.7/40

- sign 907.755+/-0.209 χ^2/NDF: 893501.9/20

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

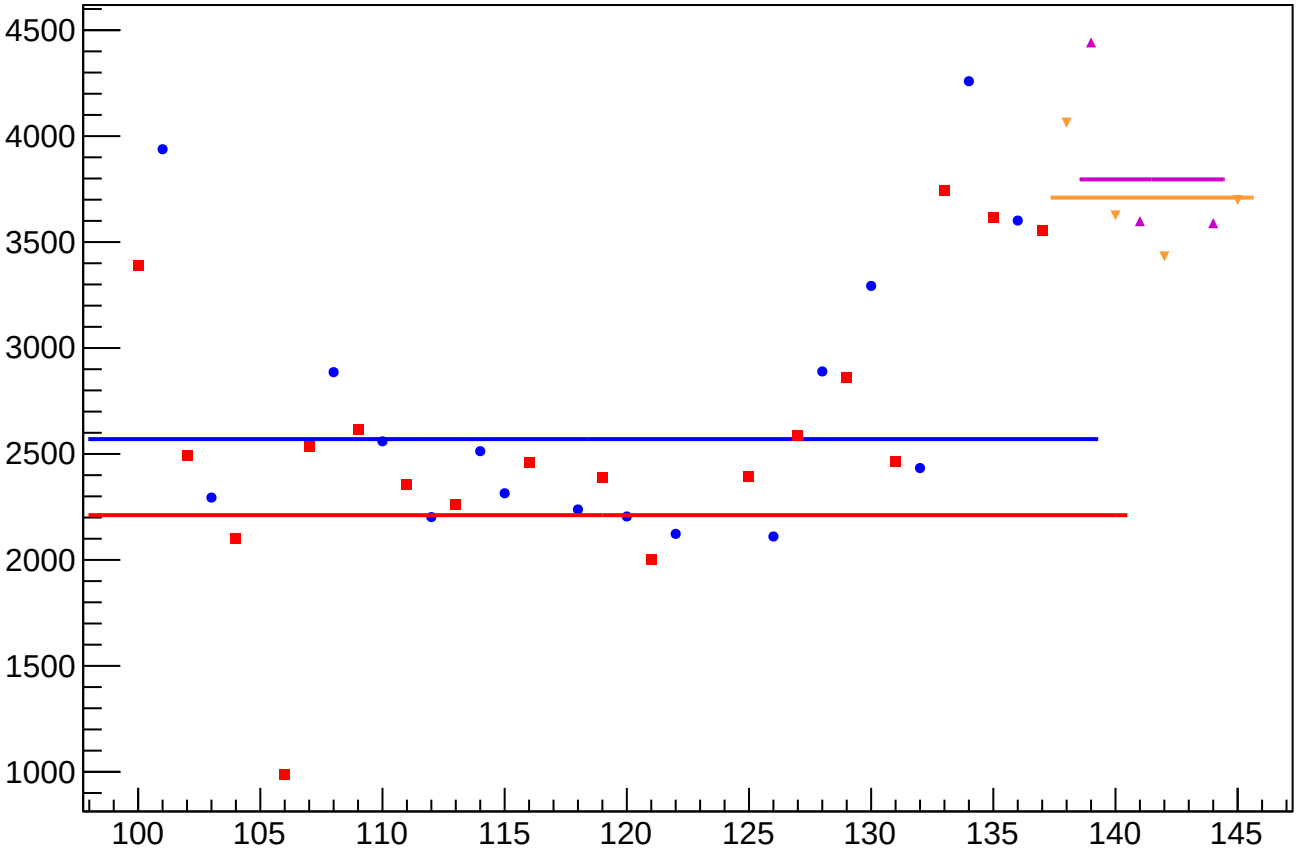
Left In: 304.894+/-2359.763 χ^2/NDF:0.8/2

\+ sign -476.851+/-896.439 χ^2/NDF: 22.8/19

All: -517.518+/-601.867 χ^2/NDF: 43.7/40

\- sign -550.896+/-812.131 χ^2/NDF: 20.9/20

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

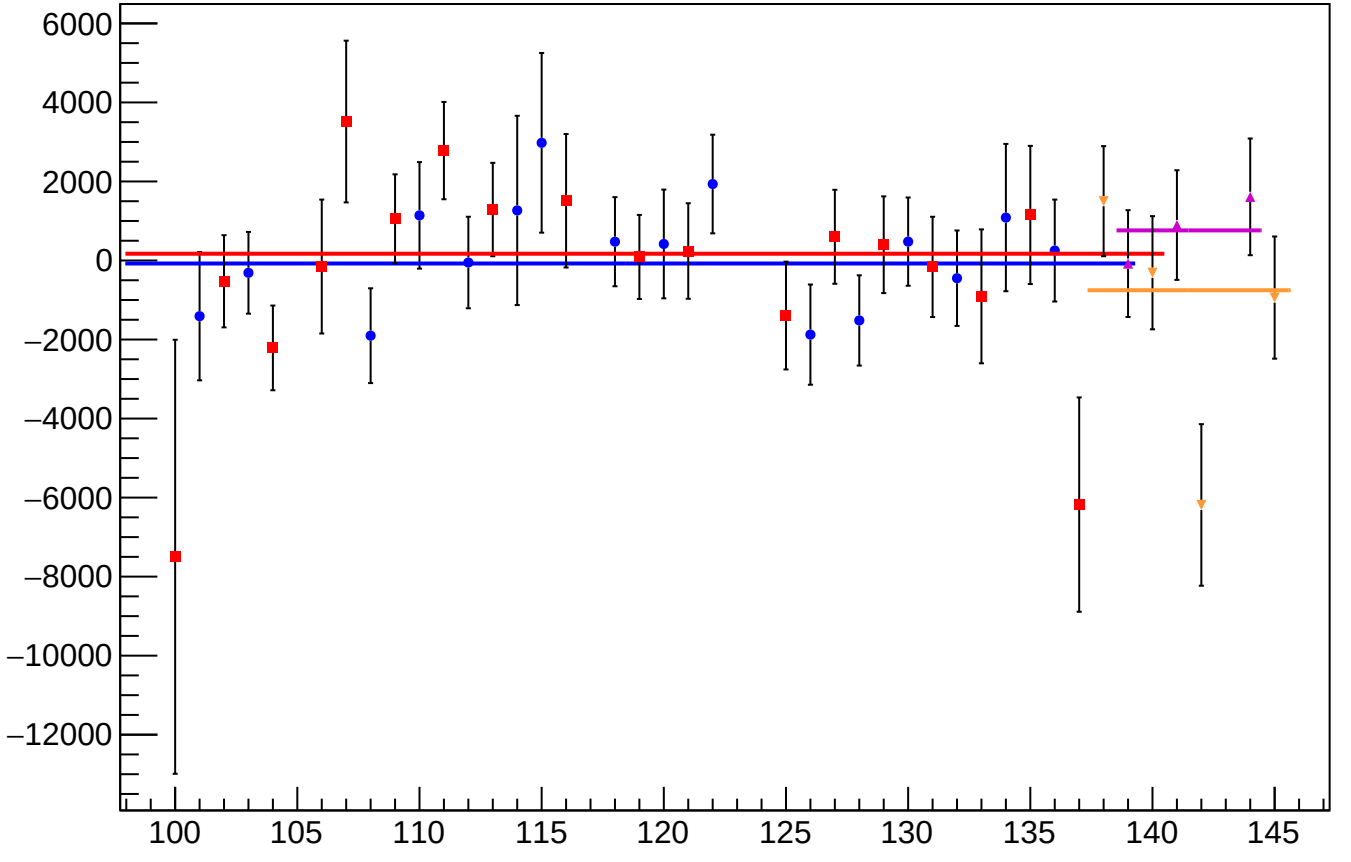
Left In: 3795.919+/-1.669 χ^2/NDF:46894.3/2

+ sign 2758.719+/-0.634 χ^2/NDF: 1127157.5/19

All: 2561.132+/-0.426 χ^2/NDF: 3410129.1/40

- sign 2398.962+/-0.574 χ^2/NDF: 2106059.8/20

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

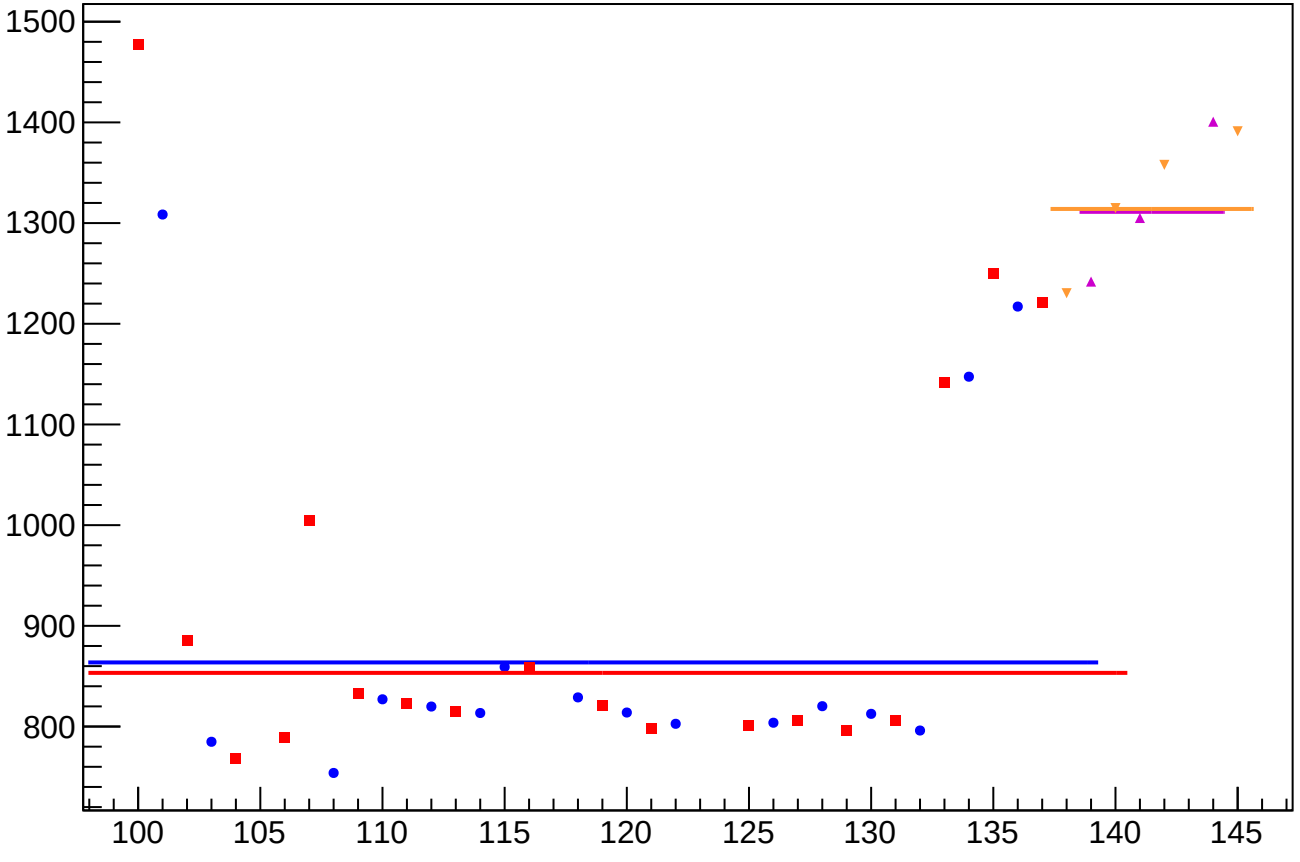
Left In: 761.745+/-809.636 χ^2/NDF:0.7/2

+ sign -177.640+/-300.729 χ^2/NDF: 23.8/19

All: 38.163+/-212.059 χ^2/NDF: 50.3/40

- sign 251.591+/-299.070 χ^2/NDF: 25.5/20

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

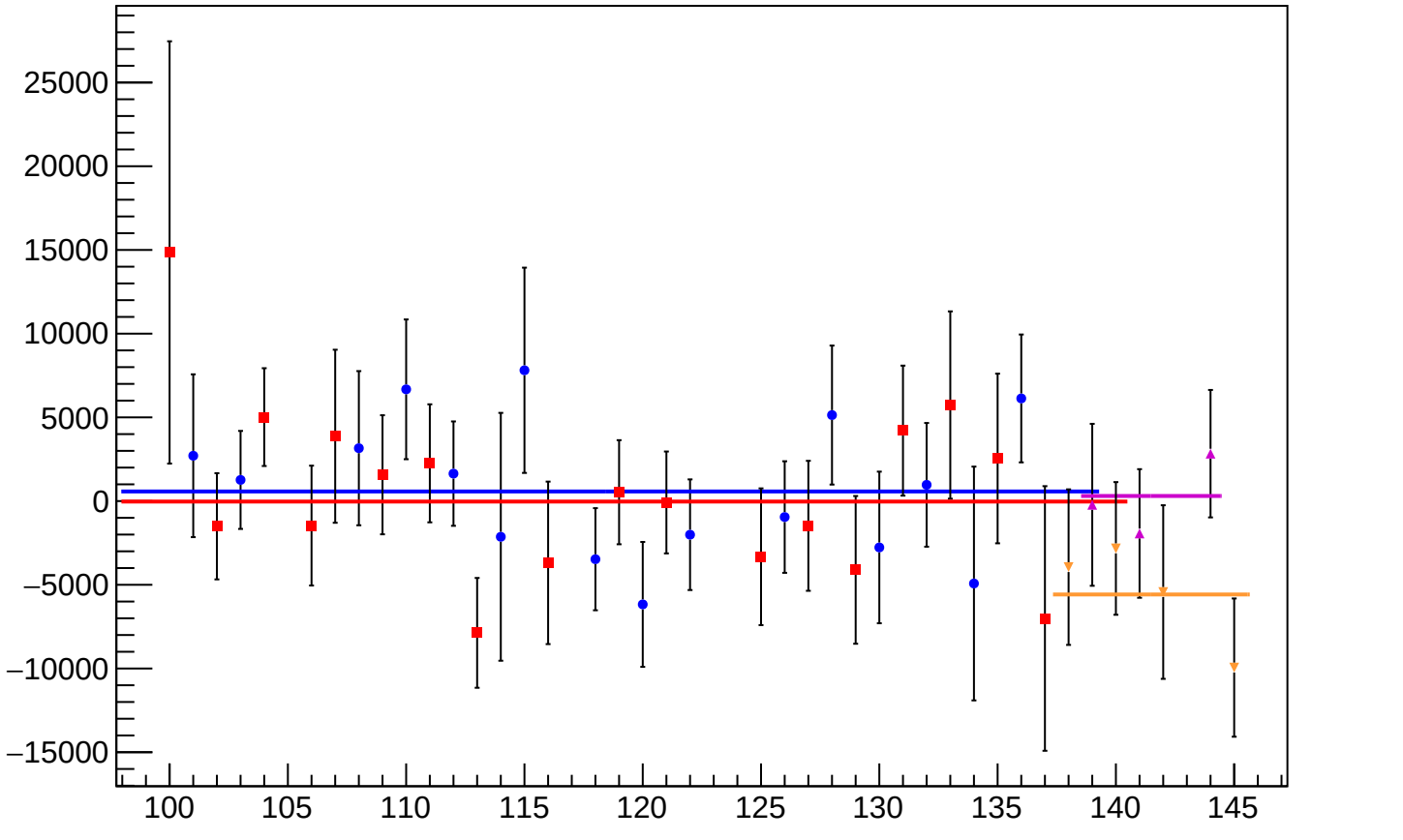
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1311.176+/-0.572 χ^2/NDF:12640.7/2

+ sign 931.311+/-0.213 χ^2/NDF: 993194.1/19

All: 923.180+/-0.150 χ^2/NDF: 1837266.8/40

- sign 915.211+/-0.211 χ^2/NDF: 841177.8/20



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

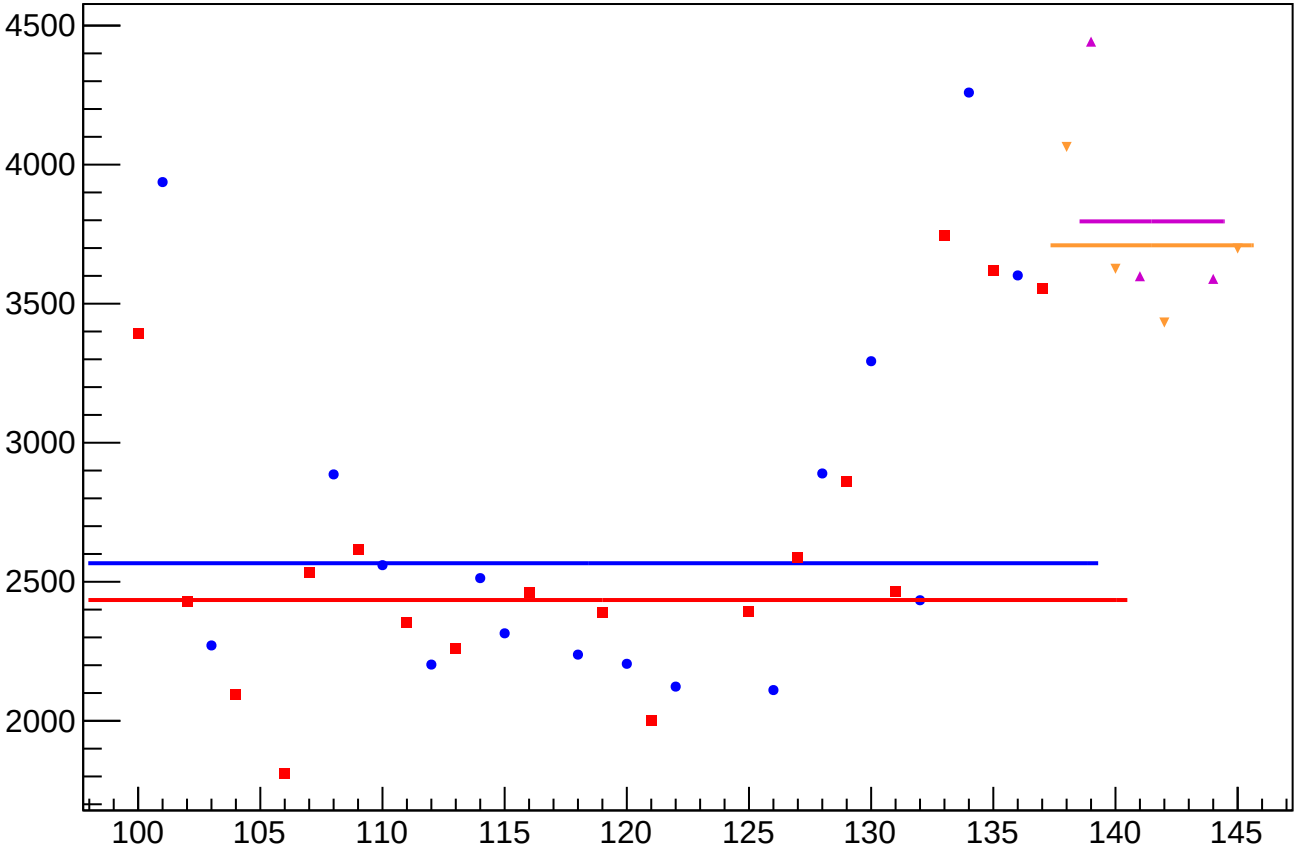
Left In: 304.883+/-2359.762 χ^2/NDF:0.8/2

+ sign -440.632+/-895.345 χ^2/NDF: 22.9/19

All: -203.048+/-619.807 χ^2/NDF: 41.1/40

- sign 15.573+/-858.870 χ^2/NDF: 18.0/20

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

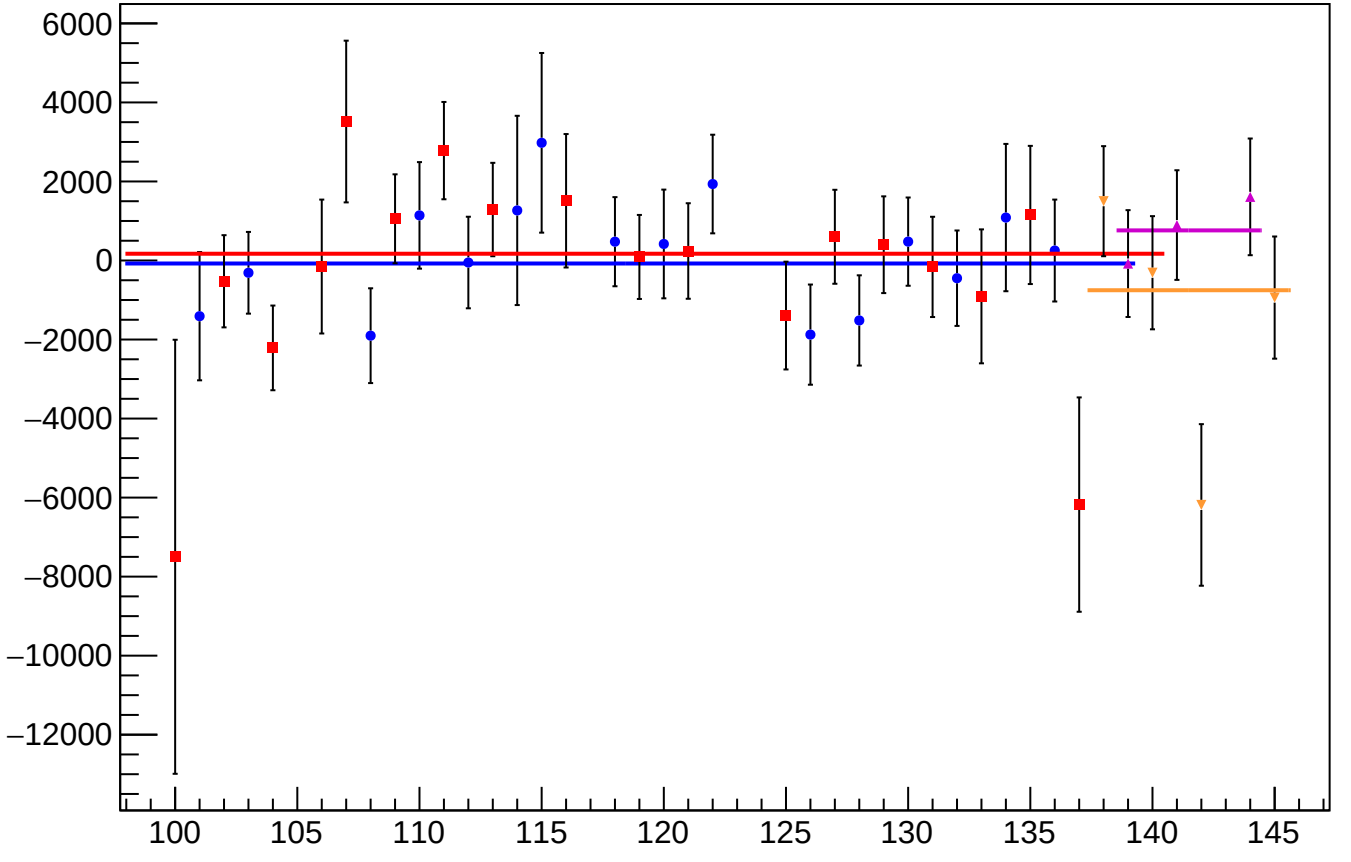
Left In: 3795.918+/-1.669 χ^2/NDF:46893.5/2

+ sign 2755.419+/-0.633 χ^2/NDF: 1133437.8/19

All: 2682.180+/-0.438 χ^2/NDF: 2217677.9/40

- sign 2614.787+/-0.607 χ^2/NDF: 1058543.5/20

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

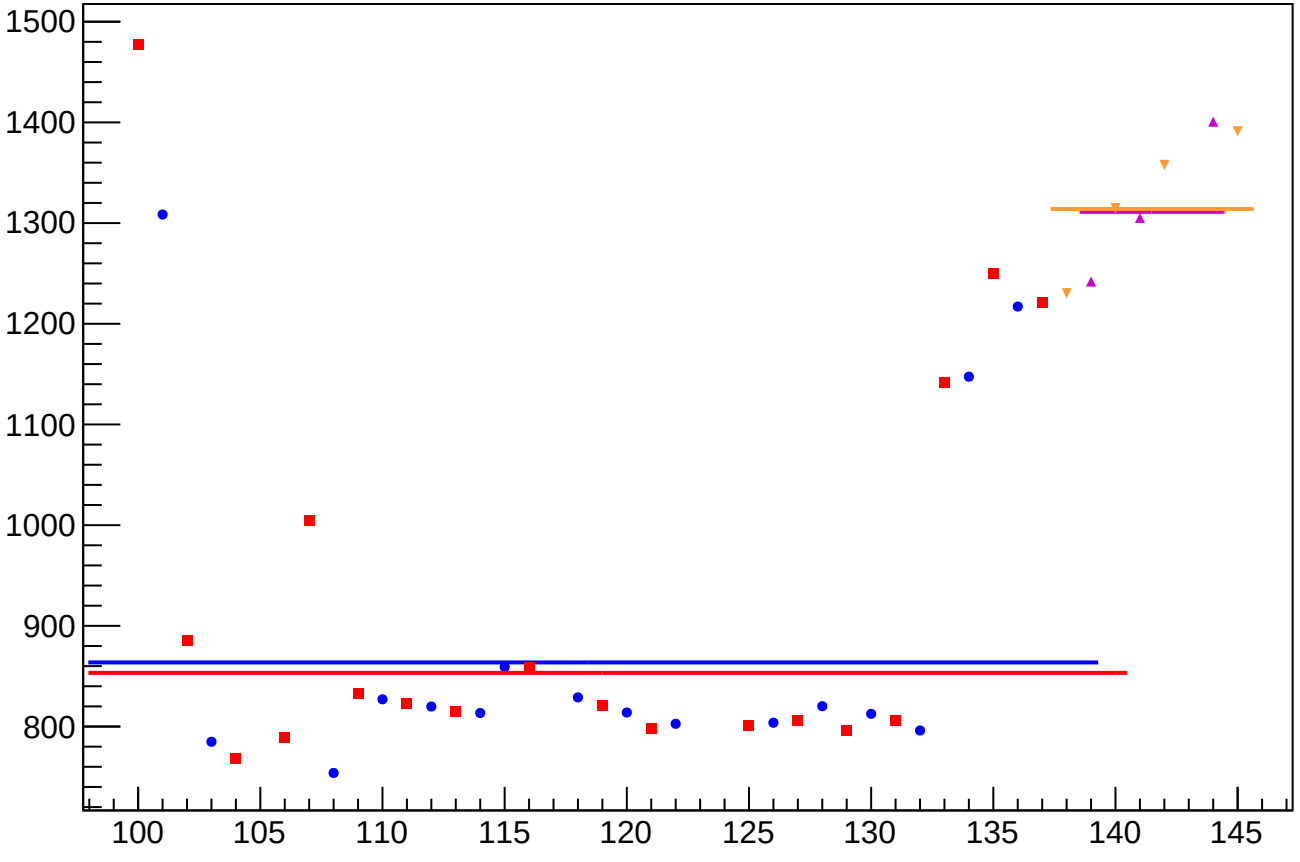
Left In: 761.745+/-809.636 χ^2/NDF:0.7/2

+ sign -177.640+/-300.729 χ^2/NDF: 23.8/19

All: 38.163+/-212.059 χ^2/NDF: 50.3/40

- sign 251.591+/-299.070 χ^2/NDF: 25.5/20

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

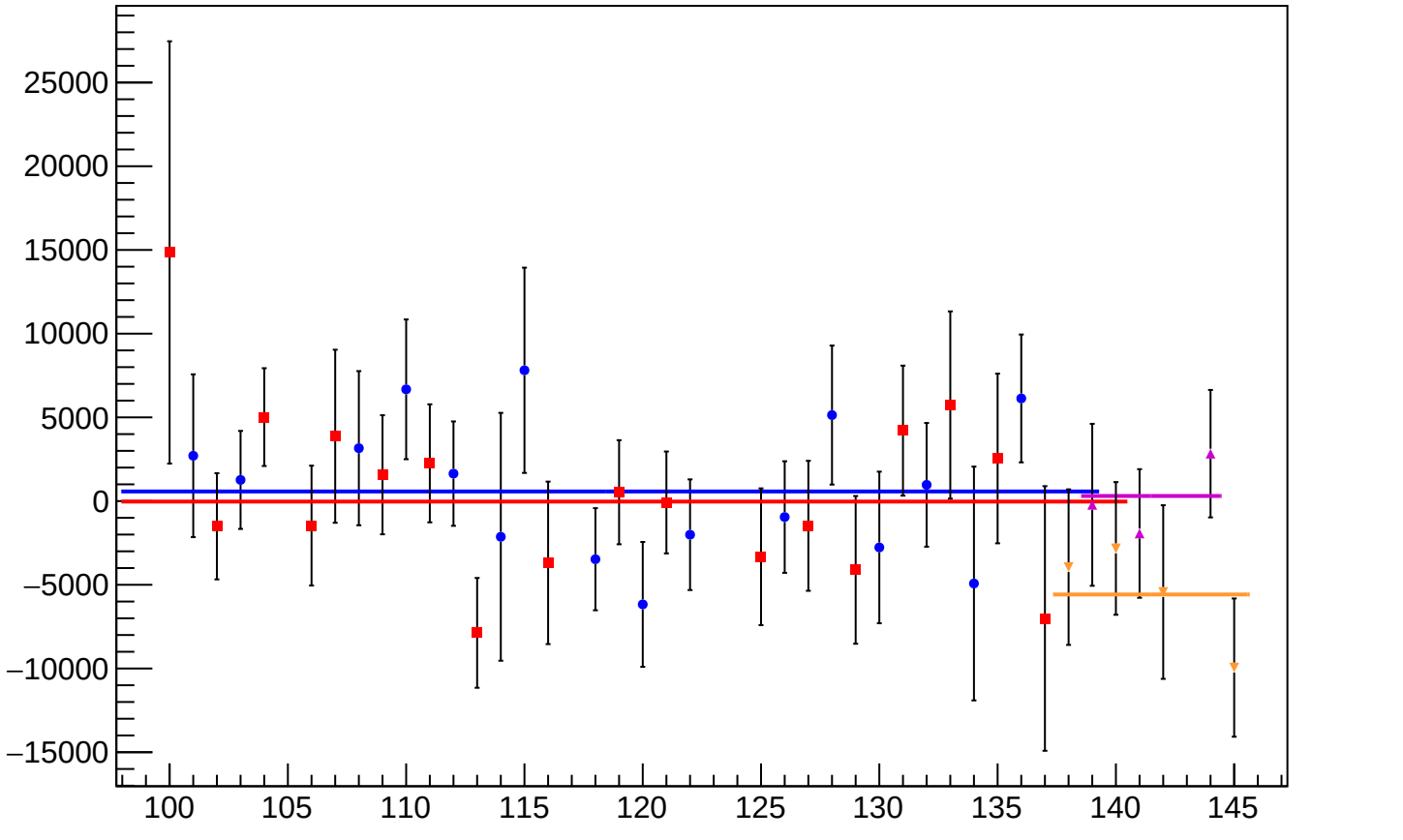
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1311.176+/-0.572 χ^2/NDF:12640.7/2

+ sign 931.311+/-0.213 χ^2/NDF: 993194.1/19

All: 923.180+/-0.150 χ^2/NDF: 1837266.8/40

- sign 915.211+/-0.211 χ^2/NDF: 841177.8/20



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

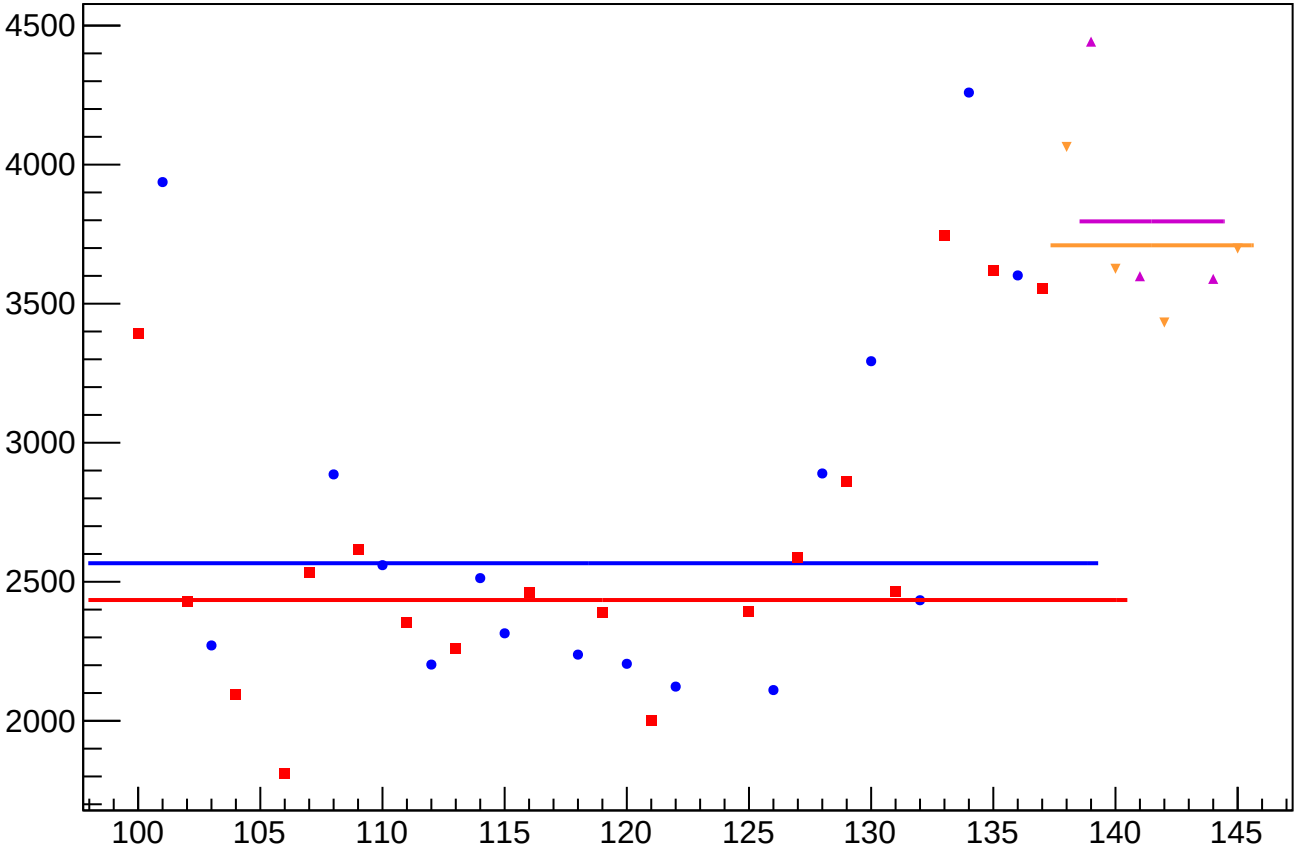
Left In: 304.883+/-2359.762 χ^2/NDF:0.8/2

+ sign -440.632+/-895.345 χ^2/NDF: 22.9/19

All: -203.048+/-619.807 χ^2/NDF: 41.1/40

- sign 15.573+/-858.870 χ^2/NDF: 18.0/20

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

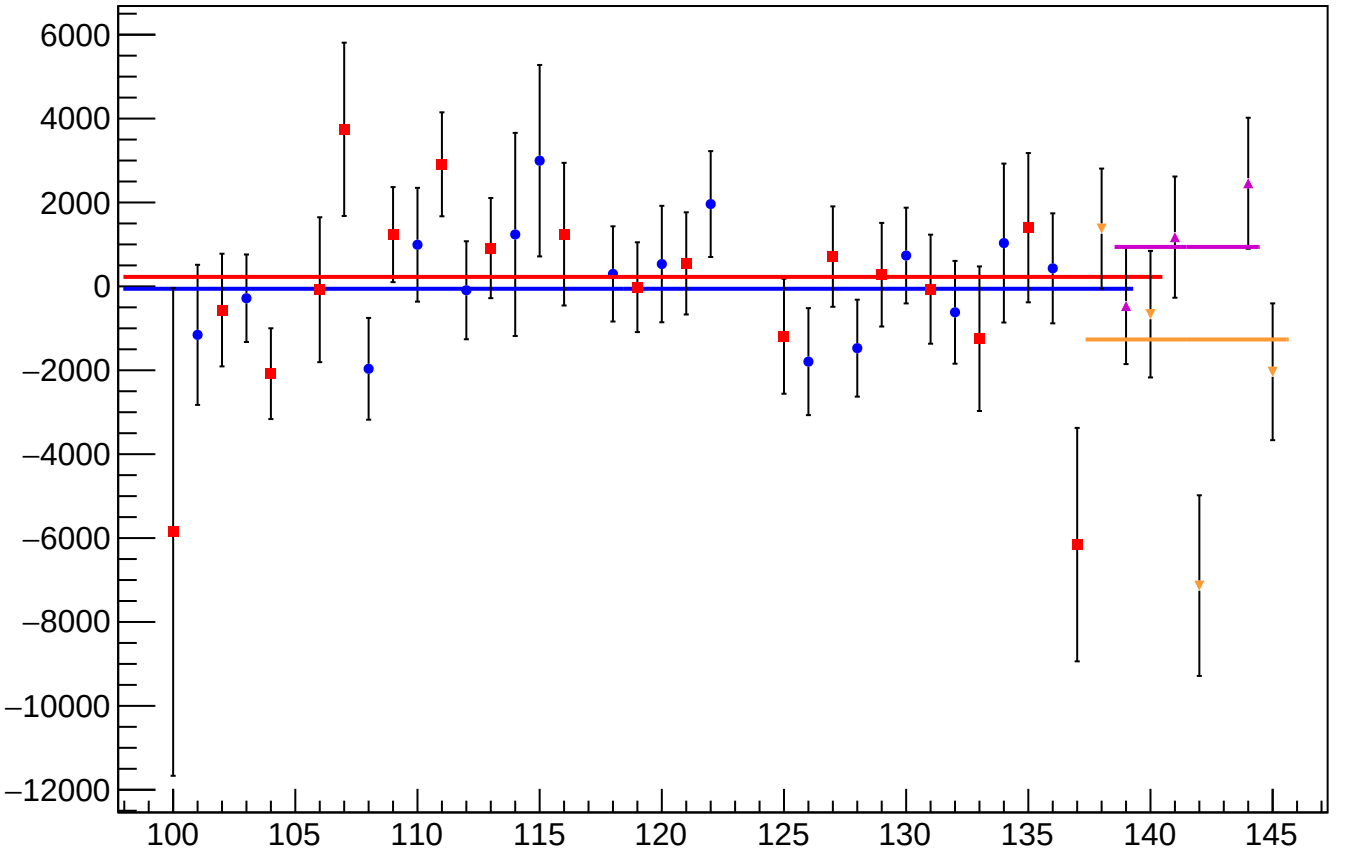
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3795.918+/-1.669 χ^2/NDF:46893.5/2

+ sign 2755.419+/-0.633 χ^2/NDF: 1133437.8/19

All: 2682.180+/-0.438 χ^2/NDF: 2217677.9/40

- sign 2614.787+/-0.607 χ^2/NDF: 1058543.5/20



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

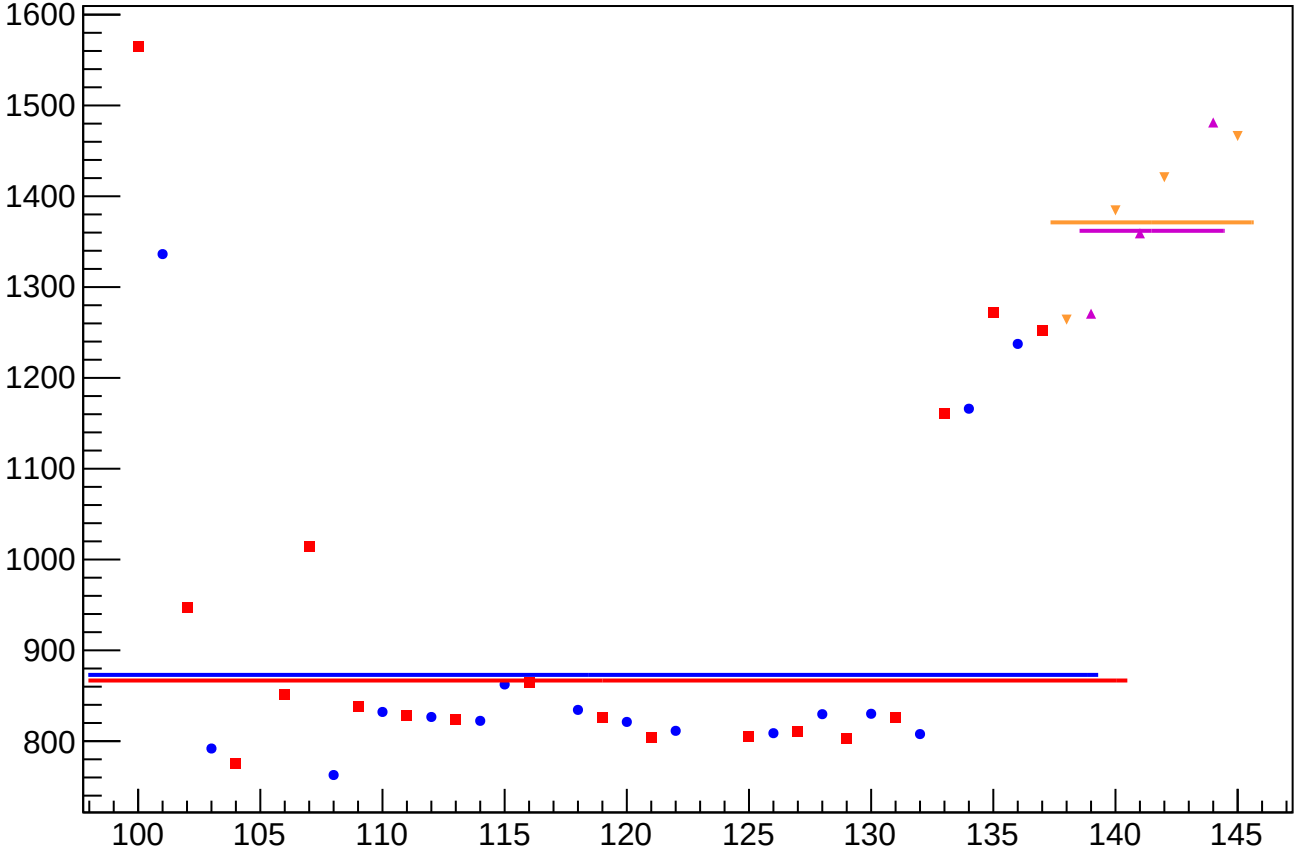
Left In: 940.348+/-841.841 χ^2/NDF:2.0/2

+ sign -228.871+/-305.745 χ^2/NDF: 26.1/19

All: 45.749+/-216.170 χ^2/NDF: 53.3/40

- sign 320.249+/-305.677 χ^2/NDF: 25.6/20

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

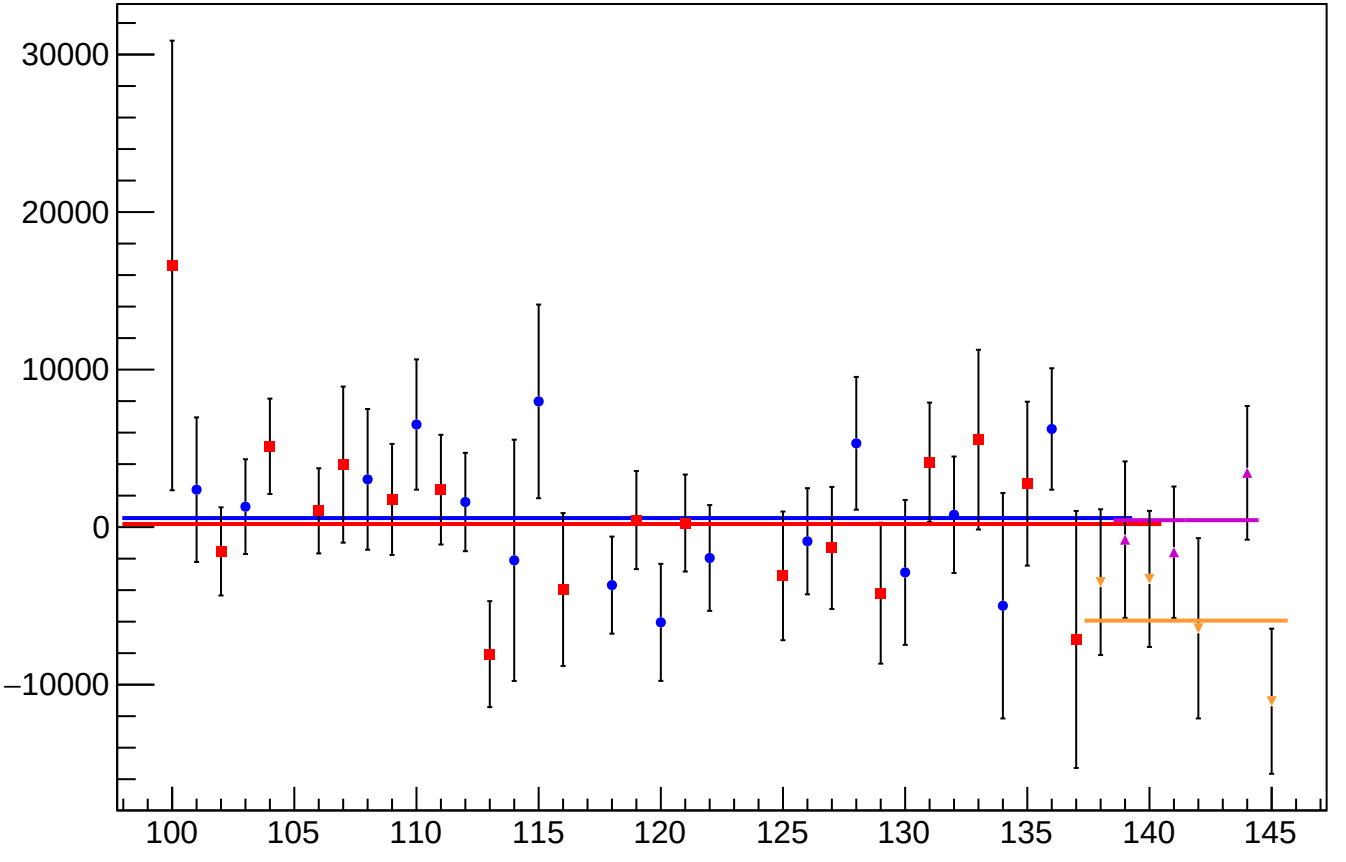
Left In: 1361.970+/-0.595 χ^2/NDF:20370.1/2

+ sign 943.756+/-0.216 χ^2/NDF: 1083744.2/19

All: 937.847+/-0.153 χ^2/NDF: 1996943.1/40

- sign 931.950+/-0.216 χ^2/NDF: 911706.2/20

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

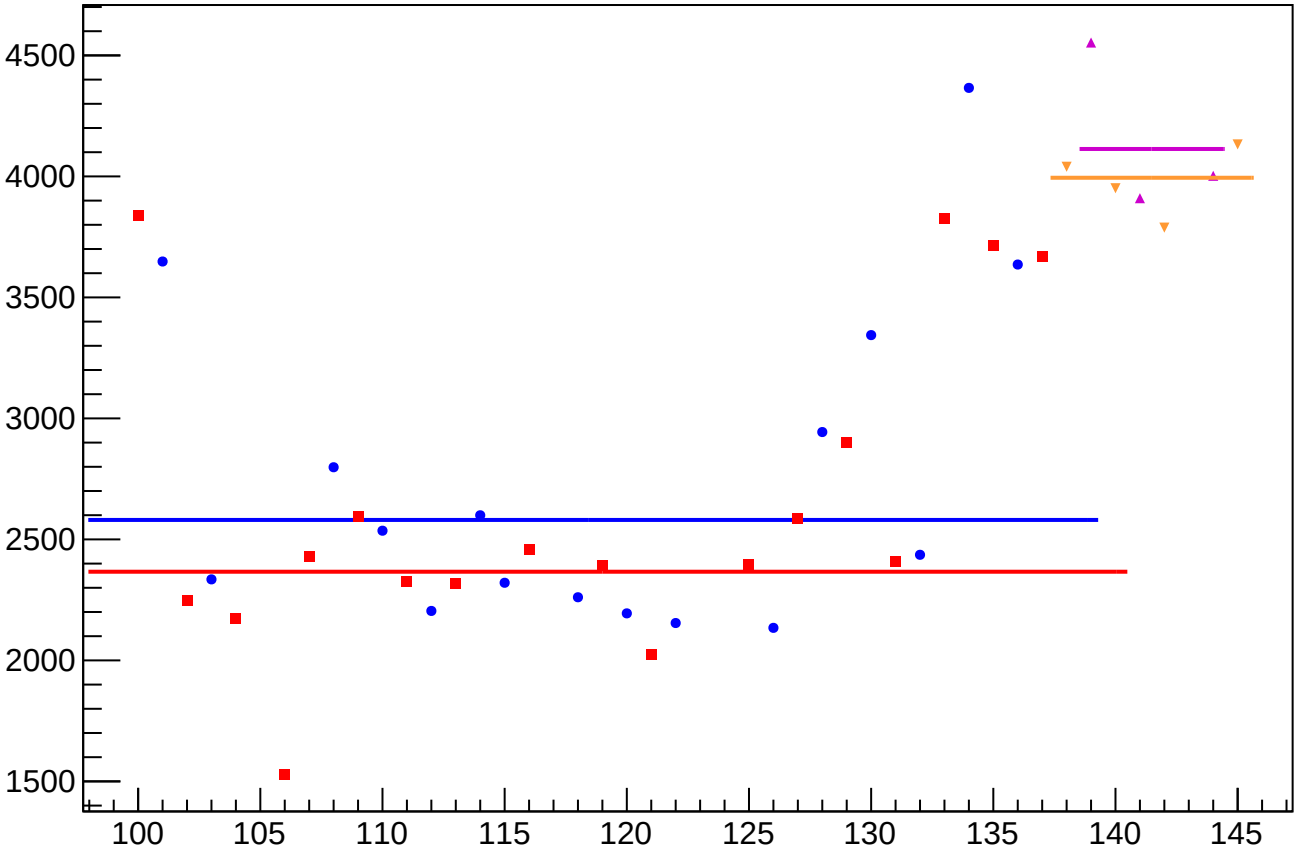
Left In: 442.091+/-2552.182 χ^2/NDF:0.8/2

+ sign -383.027+/-909.502 χ^2/NDF: 23.0/19

All: -56.466+/-618.595 χ^2/NDF: 41.2/40

- sign 224.642+/-843.835 χ^2/NDF: 18.0/20

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

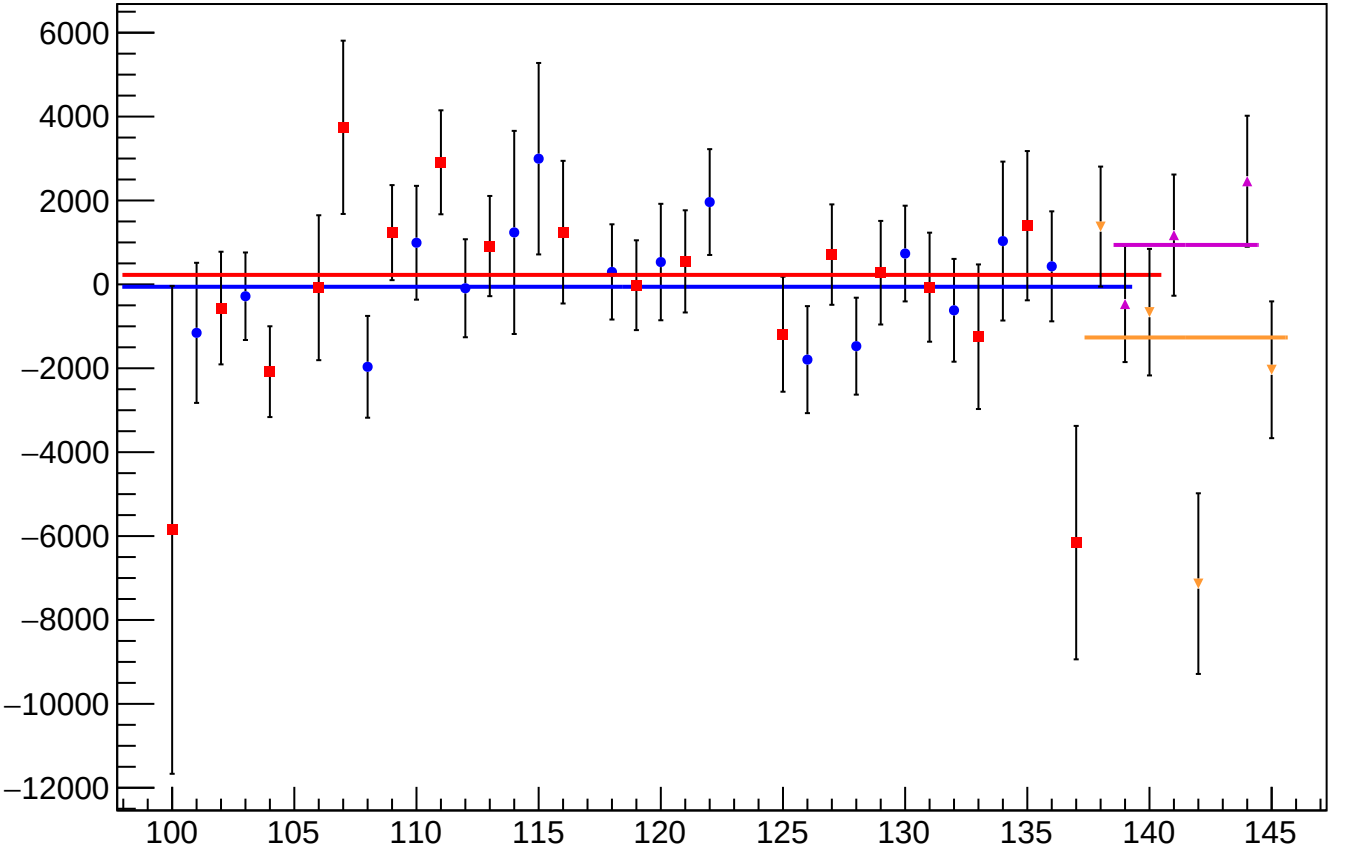
Left In: 4113.364+/-1.805 χ^2/NDF:21809.7/2

+ sign 2788.564+/-0.643 χ^2/NDF: 1228916.5/19

All: 2664.329+/-0.437 χ^2/NDF: 2766486.7/40

- sign 2557.386+/-0.597 χ^2/NDF: 1468129.5/20

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

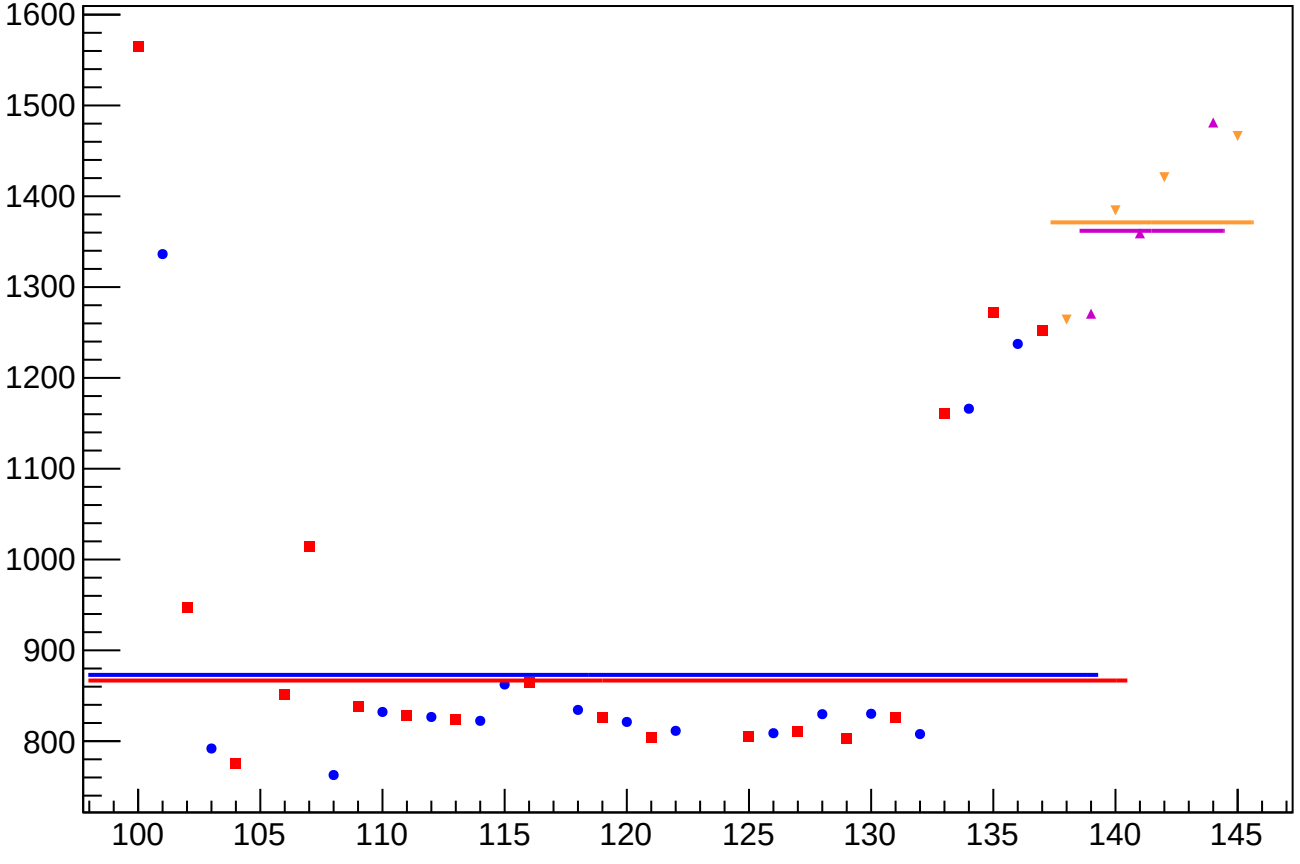
Left In: 940.351+/-841.842 χ^2/NDF:2.0/2

+ sign -228.875+/-305.745 χ^2/NDF: 26.1/19

All: 45.749+/-216.170 χ^2/NDF: 53.3/40

- sign 320.252+/-305.677 χ^2/NDF: 25.6/20

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

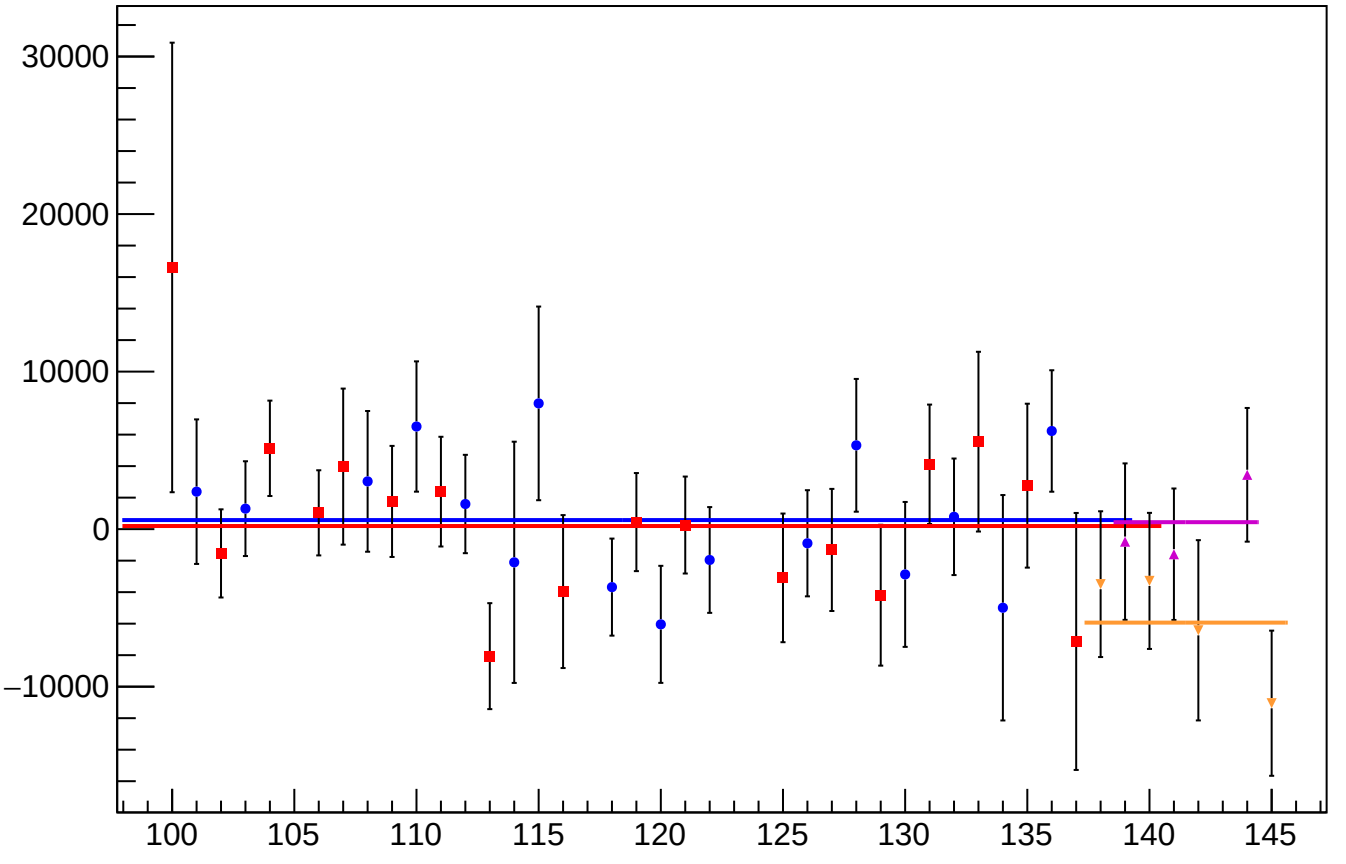
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1361.972+/-0.595 χ^2/NDF:20370.3/2

+ sign 943.756+/-0.216 χ^2/NDF: 1083747.1/19

All: 937.847+/-0.153 χ^2/NDF: 1996949.0/40

- sign 931.950+/-0.216 χ^2/NDF: 911709.1/20



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -5933.713+/-2370.338 χ^2/NDF:1.9/3

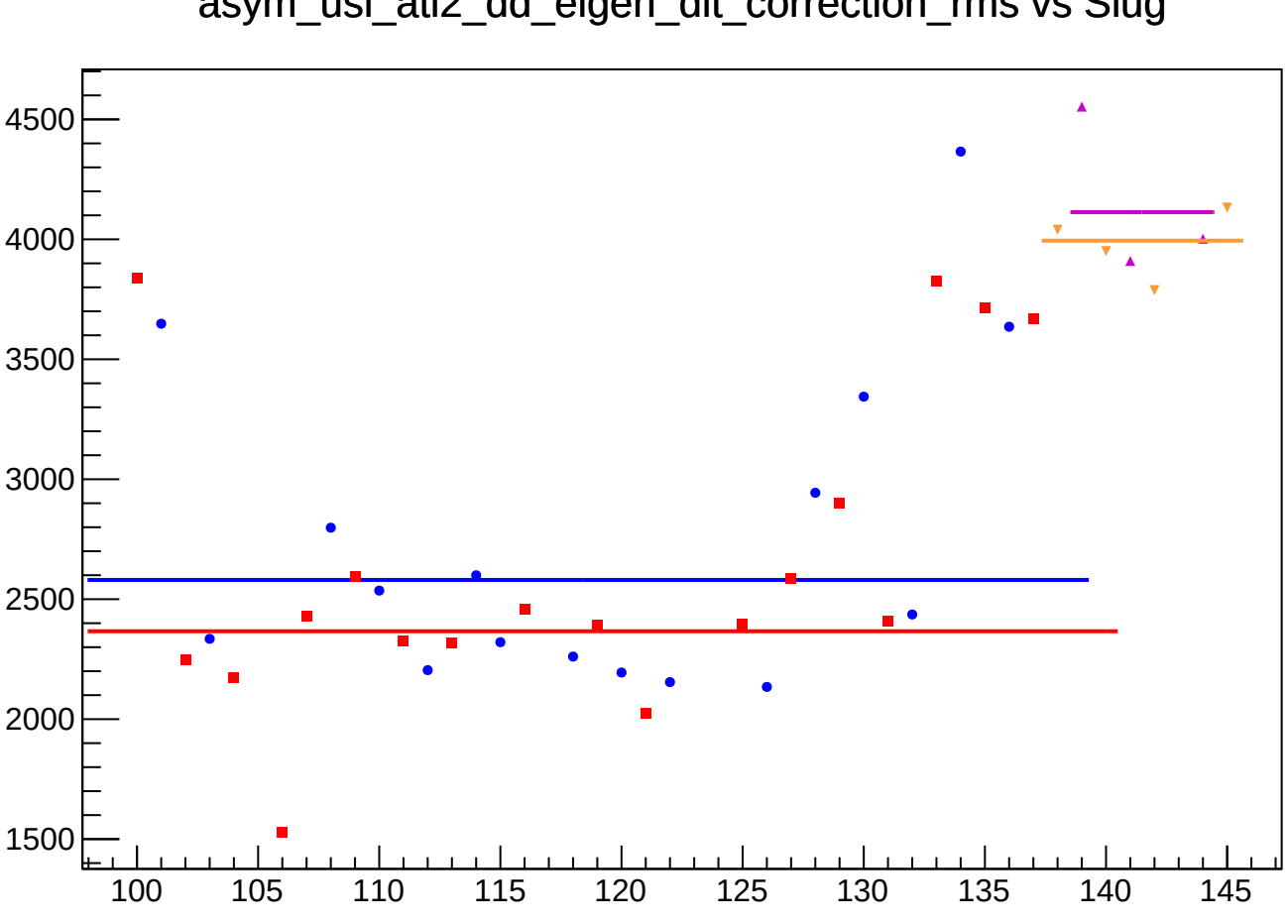
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 442.093+/-2552.188 χ^2/NDF:0.8/2

\+ sign -383.025+/-909.500 χ^2/NDF: 23.0/19

All: -56.464+/-618.594 χ^2/NDF: 41.2/40

\- sign 224.643+/-843.834 χ^2/NDF: 18.0/20



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3994.439+/-1.676 χ^2/NDF:4779.7/3

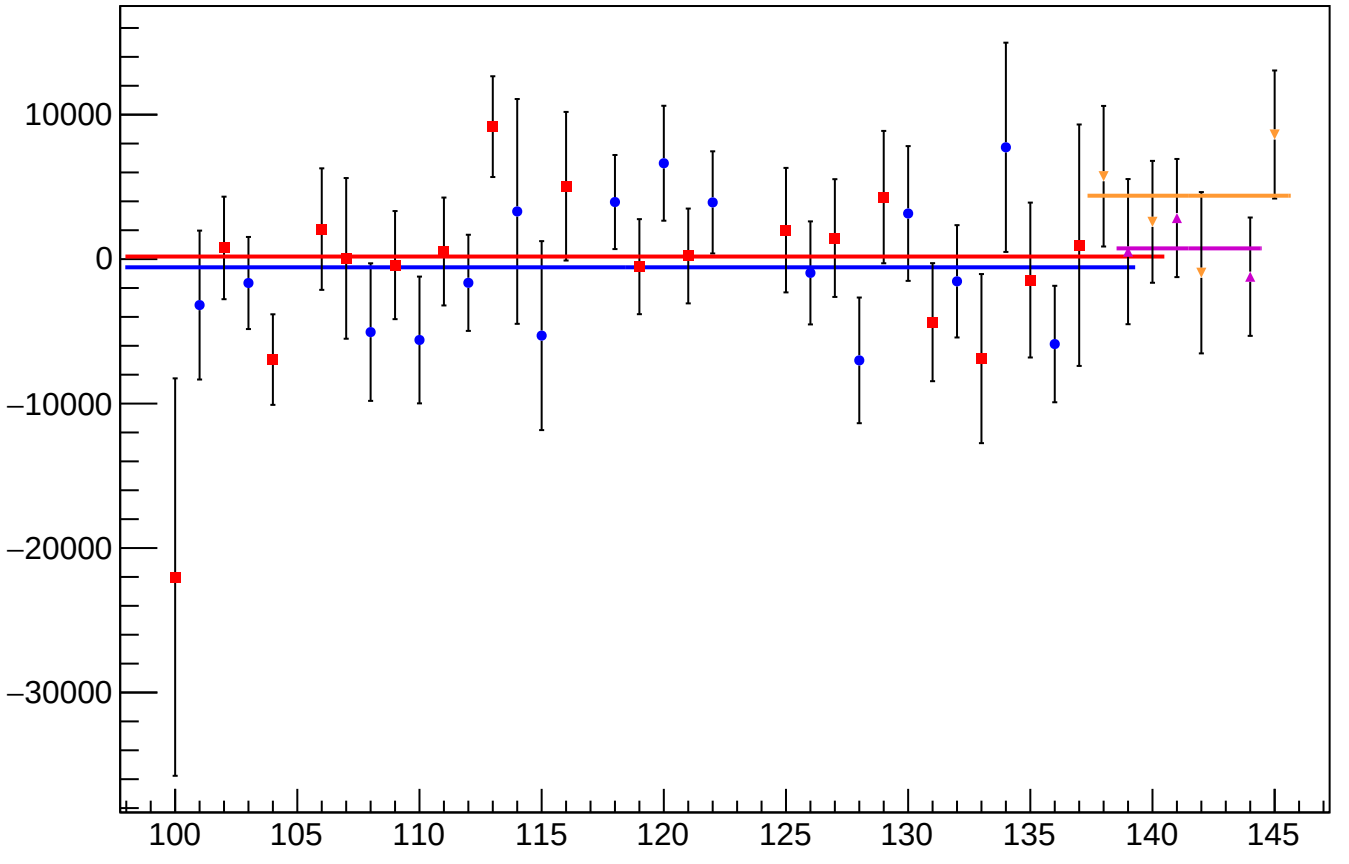
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4113.374+/-1.805 χ^2/NDF:21810.3/2

+ sign 2788.556+/-0.643 χ^2/NDF: 1228938.5/19

All: 2664.322+/-0.437 χ^2/NDF: 2766525.8/40

- sign 2557.379+/-0.597 χ^2/NDF: 1468146.7/20



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

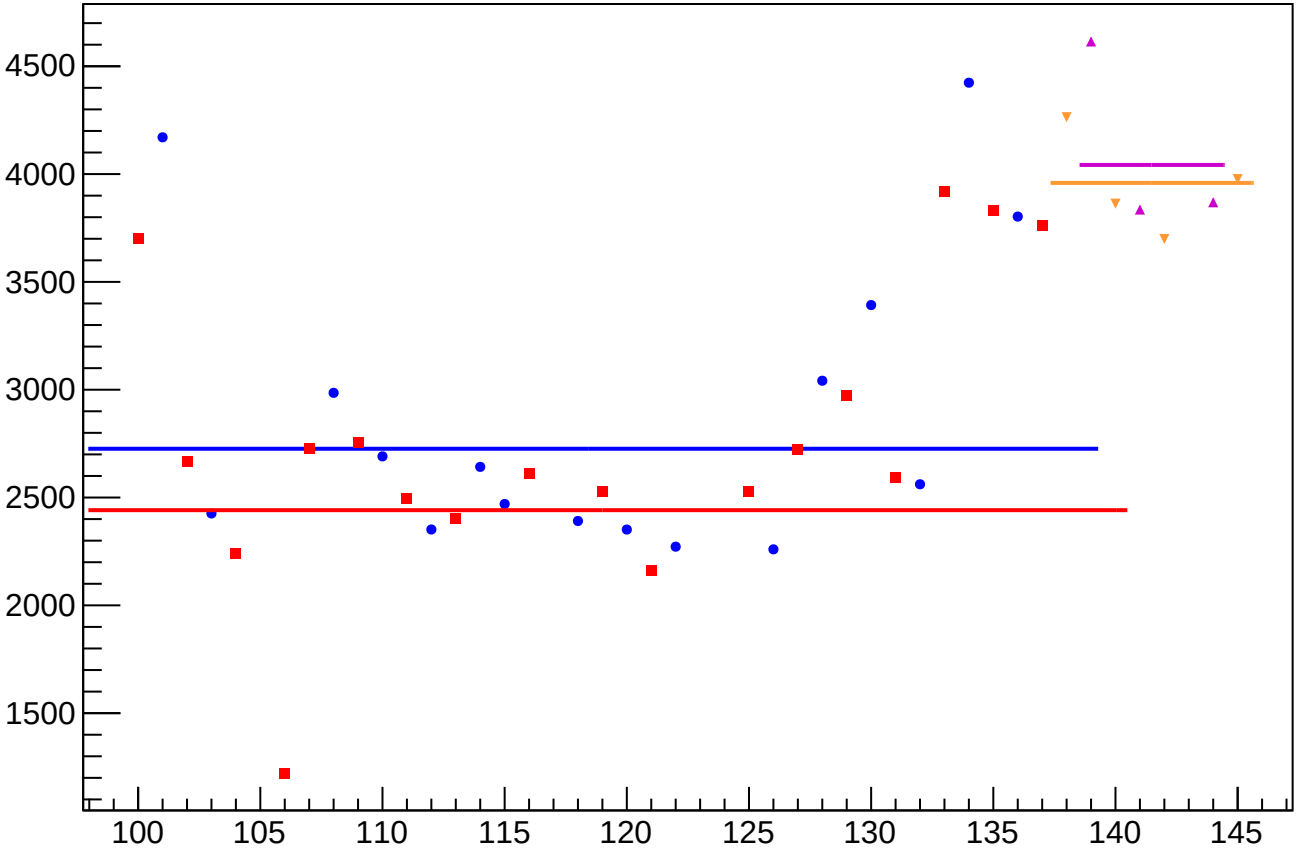
Left In: 743.065+/-2507.860 χ^2/NDF:0.5/2

+ sign 247.303+/-951.115 χ^2/NDF: 22.0/19

All: 251.011+/-661.099 χ^2/NDF: 42.1/40

- sign 254.478+/-919.553 χ^2/NDF: 20.1/20

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

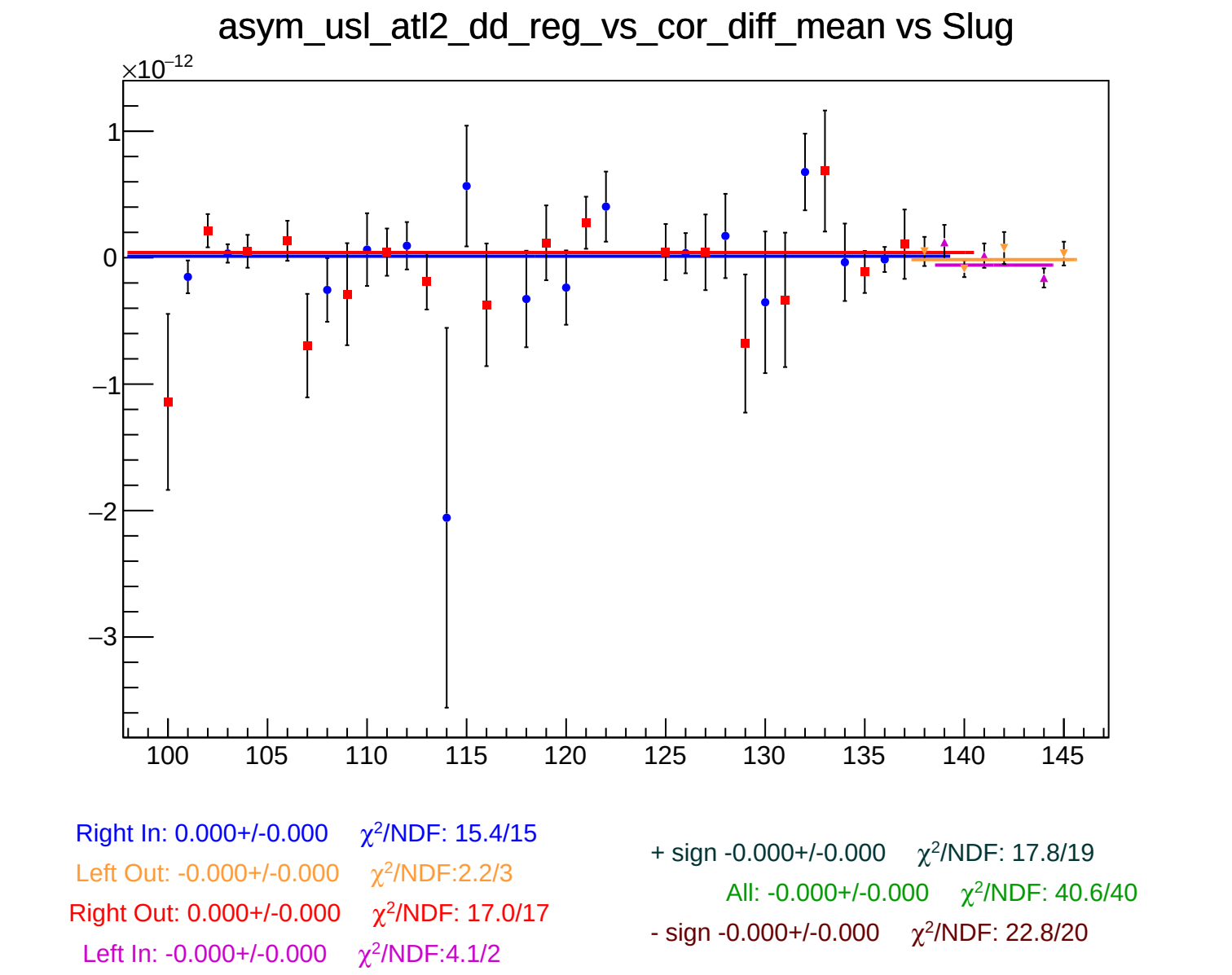
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4042.500+/-1.773 χ^2/NDF:34669.8/2

+ sign 2928.581+/-0.673 χ^2/NDF: 1097352.7/19

All: 2773.439+/-0.458 χ^2/NDF: 2836421.2/40

- sign 2639.776+/-0.624 χ^2/NDF: 1640009.0/20


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug
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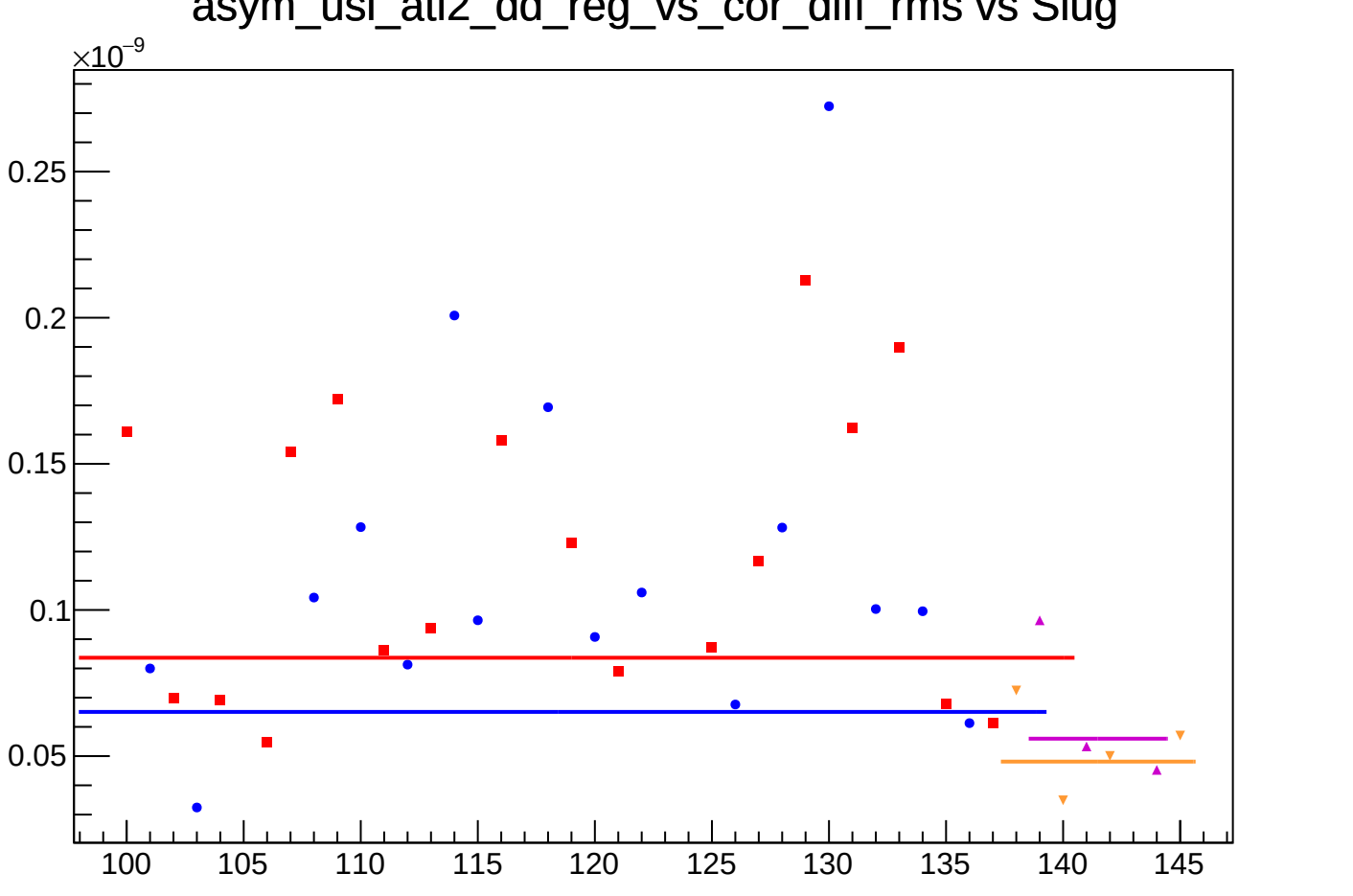
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:2.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 17.0/17
Left In: -0.000+/-0.000 χ²/NDF:4.1/2
+ sign -0.000+/-0.000 χ²/NDF: 17.8/19
All: -0.000+/-0.000 χ²/NDF: 40.6/40
- sign -0.000+/-0.000 χ²/NDF: 22.8/20



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

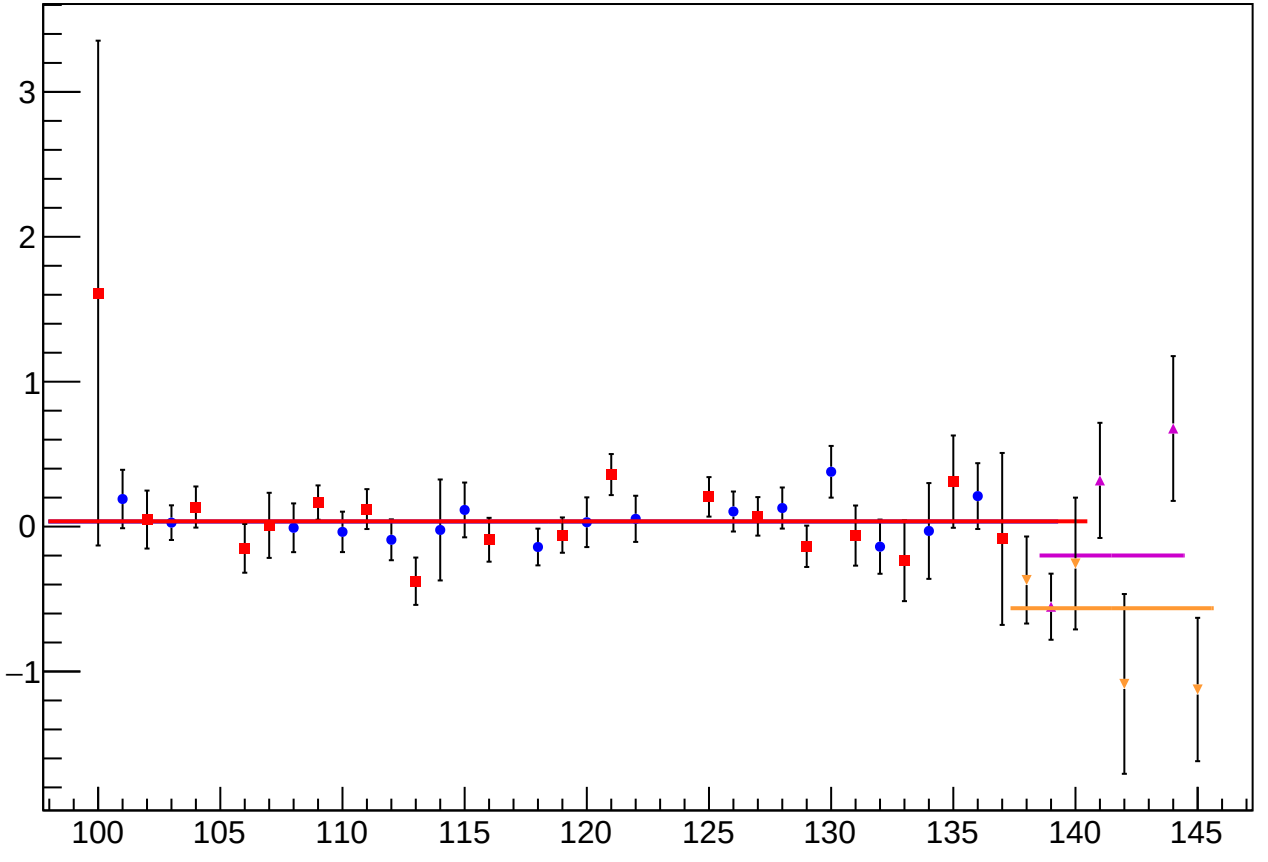
Left In: 0.000+/-0.000 χ^2/NDF:214922.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 1551343.5/19

All: 0.000+/-0.000 χ^2/NDF: 2861409.8/40

- sign 0.000+/-0.000 χ^2/NDF: 1169301.4/20

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

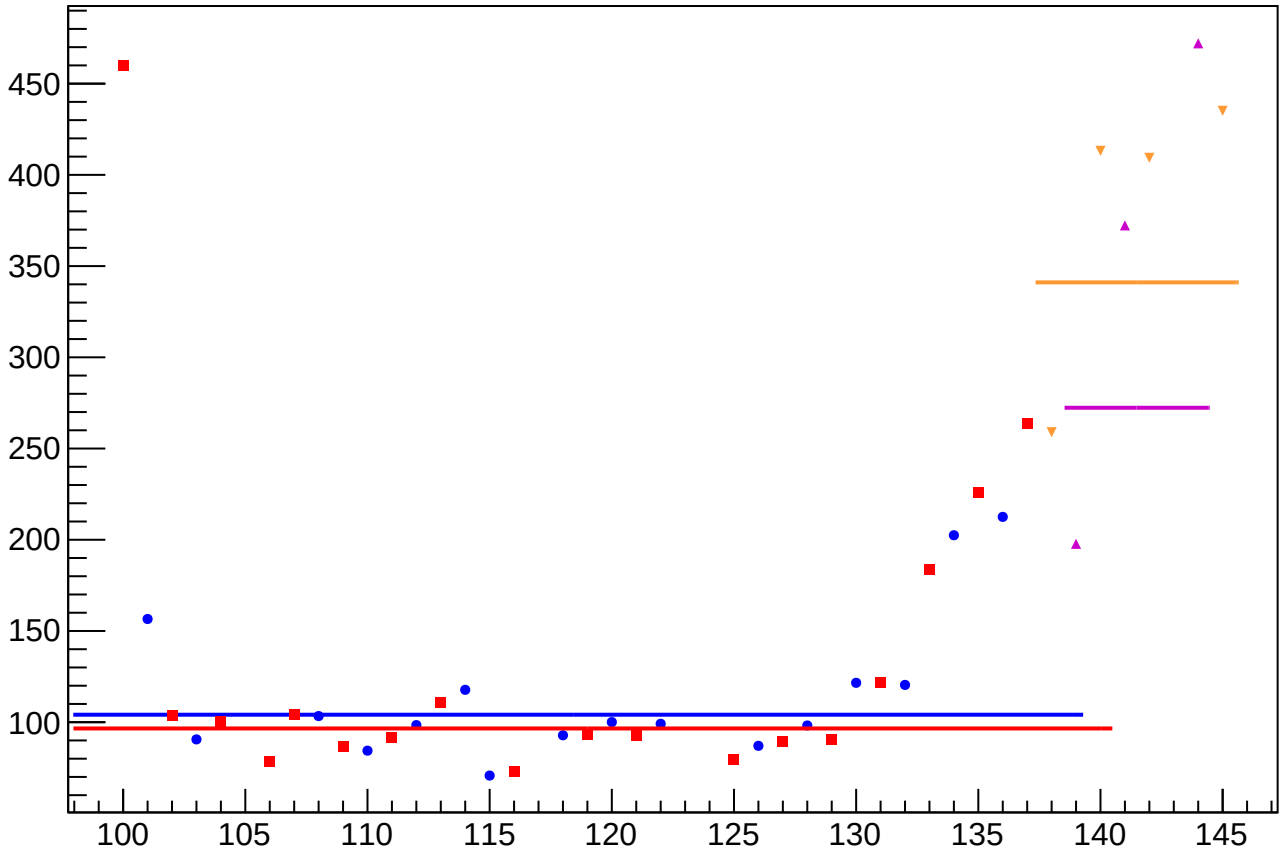
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.199+/-0.184 χ^2/NDF:7.2/2

+ sign 0.013+/-0.040 χ^2/NDF: 20.4/19

All: 0.020+/-0.028 χ^2/NDF: 51.3/40

- sign 0.026+/-0.038 χ^2/NDF: 30.8/20



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 341.072+/-0.149 χ^2/NDF:296311.7/3

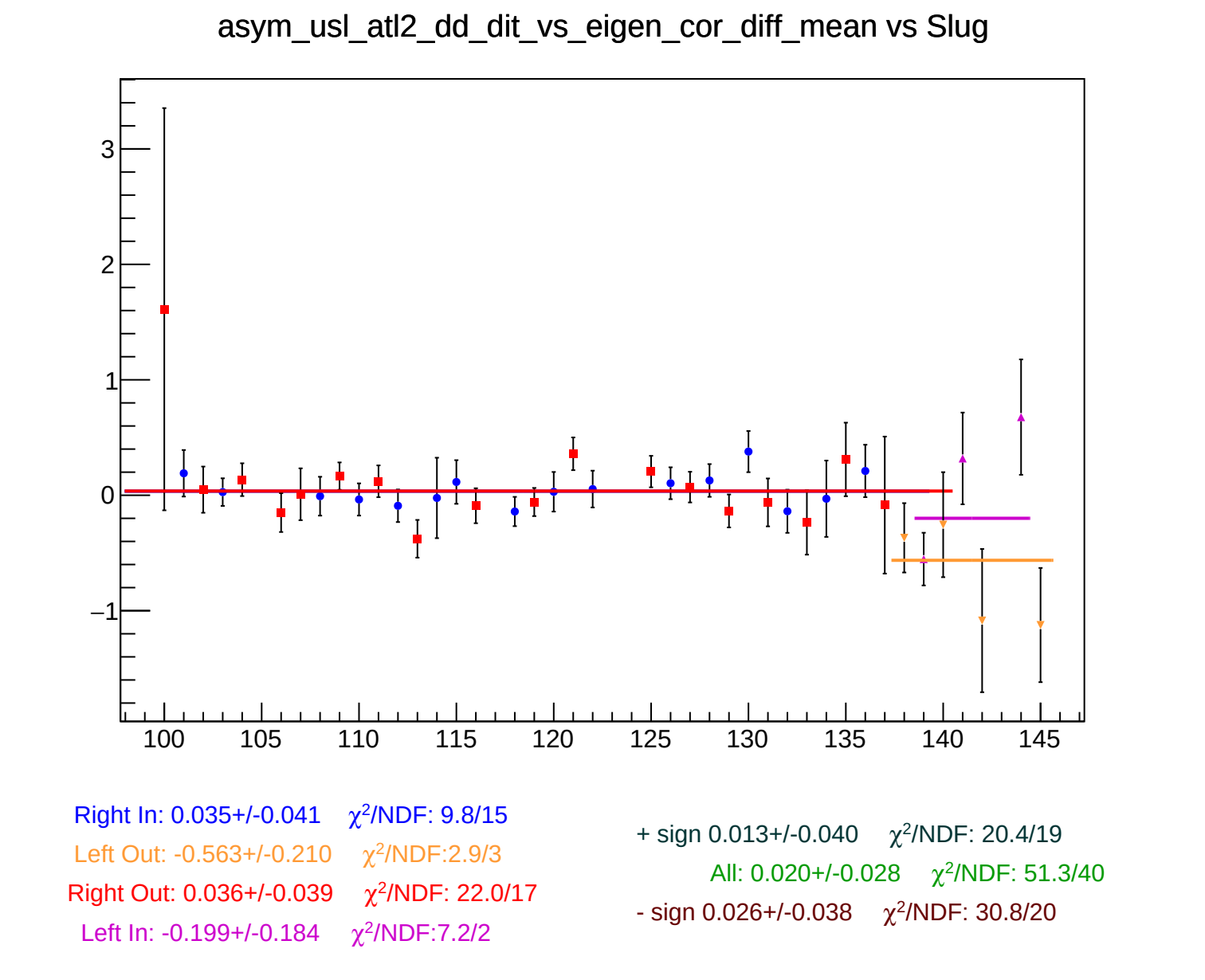
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 272.357+/-0.130 χ^2/NDF:660010.1/2

+ sign 112.787+/-0.028 χ^2/NDF: 3731929.5/19

All: 108.195+/-0.020 χ^2/NDF: 7145194.5/40

- sign 104.095+/-0.027 χ^2/NDF: 3364049.2/20


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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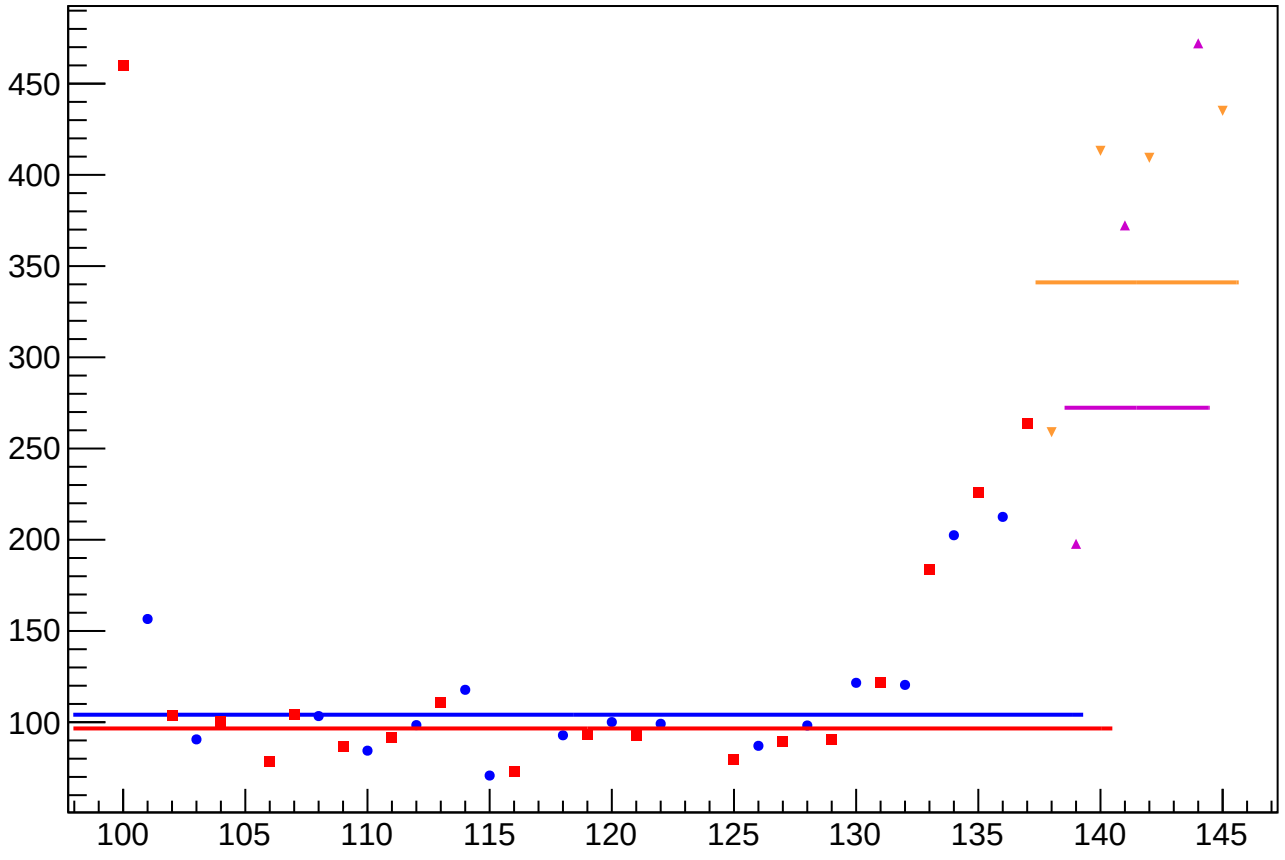
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.563+/-0.210 χ²/NDF:2.9/3
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.199+/-0.184 χ²/NDF:7.2/2
+ sign 0.013+/-0.040 χ²/NDF: 20.4/19
All: 0.020+/-0.028 χ²/NDF: 51.3/40
- sign 0.026+/-0.038 χ²/NDF: 30.8/20



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 341.072+/-0.149 χ^2/NDF:296311.7/3

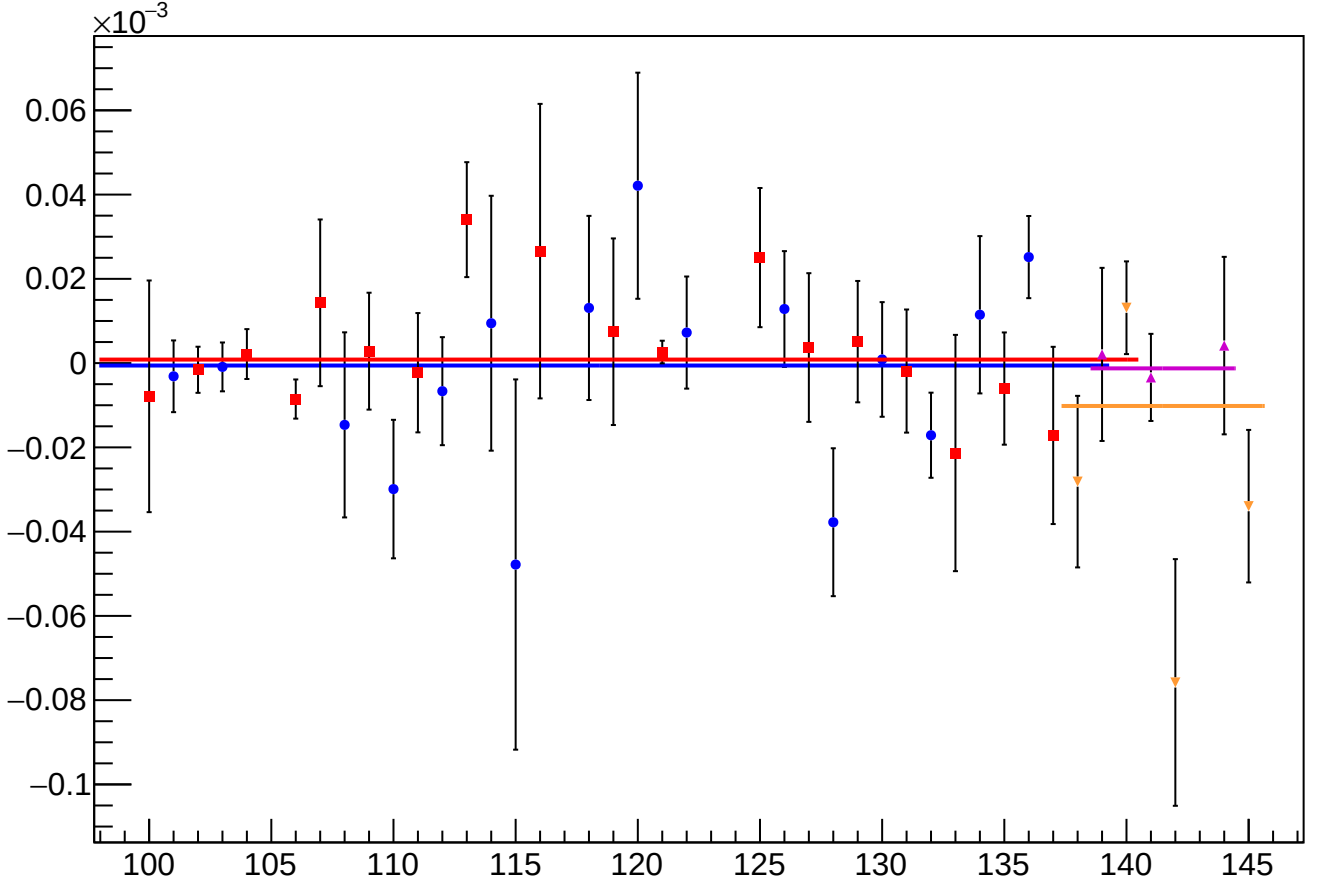
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 272.357+/-0.130 χ^2/NDF:660010.1/2

+ sign 112.787+/-0.028 χ^2/NDF: 3731929.5/19

All: 108.195+/-0.020 χ^2/NDF: 7145194.5/40

- sign 104.095+/-0.027 χ^2/NDF: 3364049.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/3

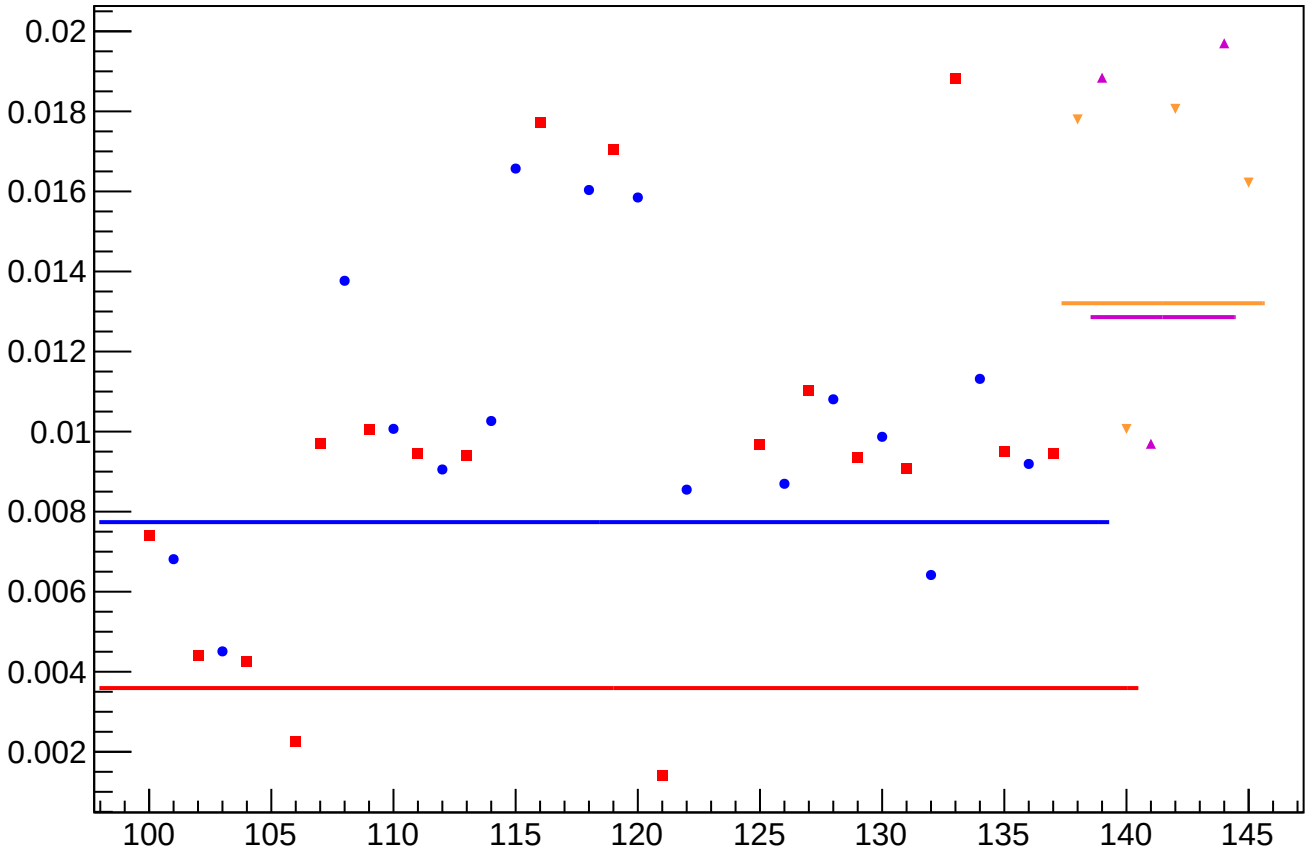
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:0.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/19

All: 0.000+/-0.000 χ^2/NDF: 53.8/40

- sign 0.000+/-0.000 χ^2/NDF: 16.1/20



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:375196.4/3

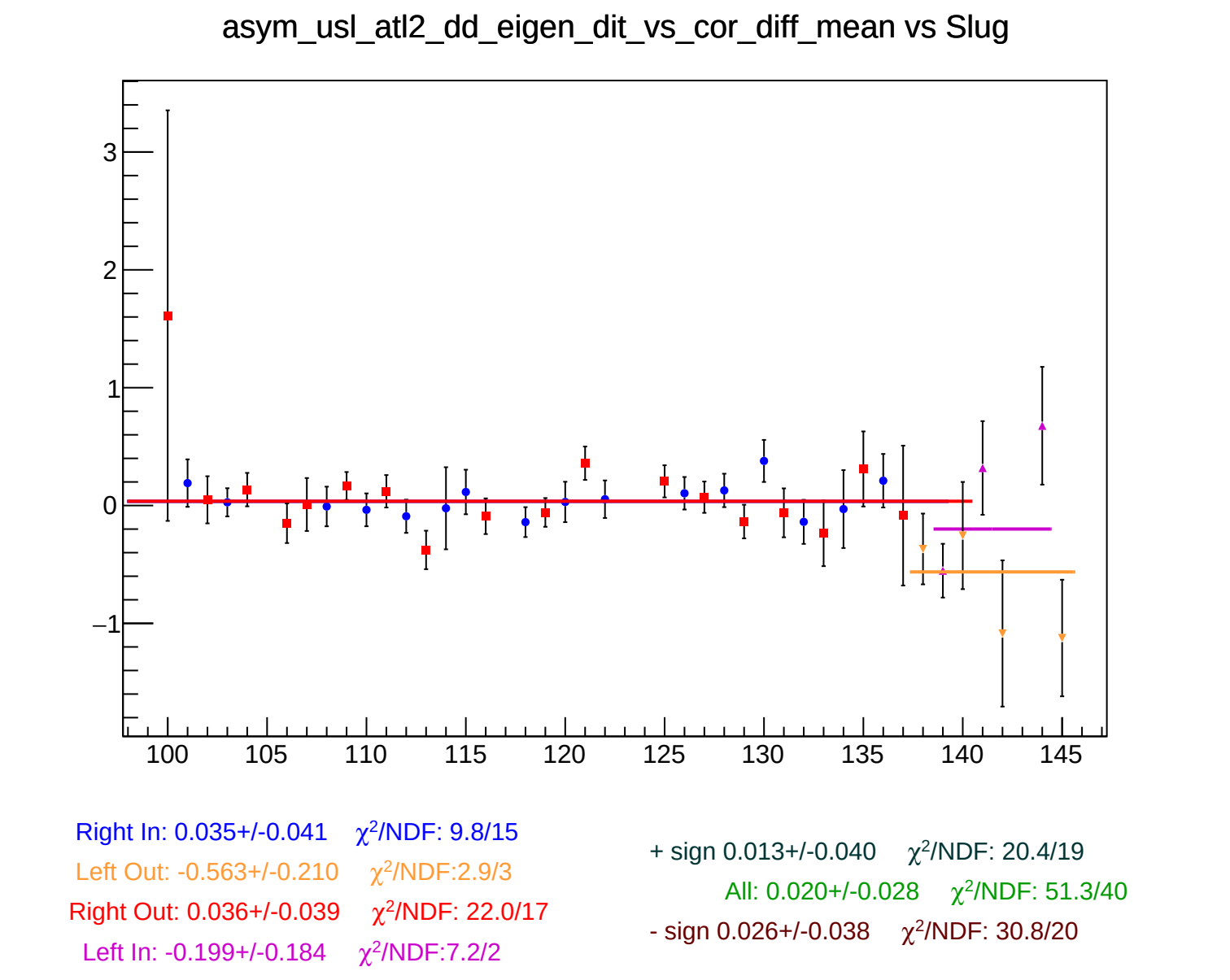
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.013+/-0.000 χ^2/NDF:567779.6/2

+ sign 0.008+/-0.000 χ^2/NDF: 2854795.9/19

All: 0.005+/-0.000 χ^2/NDF: 15411417.6/40

- sign 0.004+/-0.000 χ^2/NDF: 9224951.0/20


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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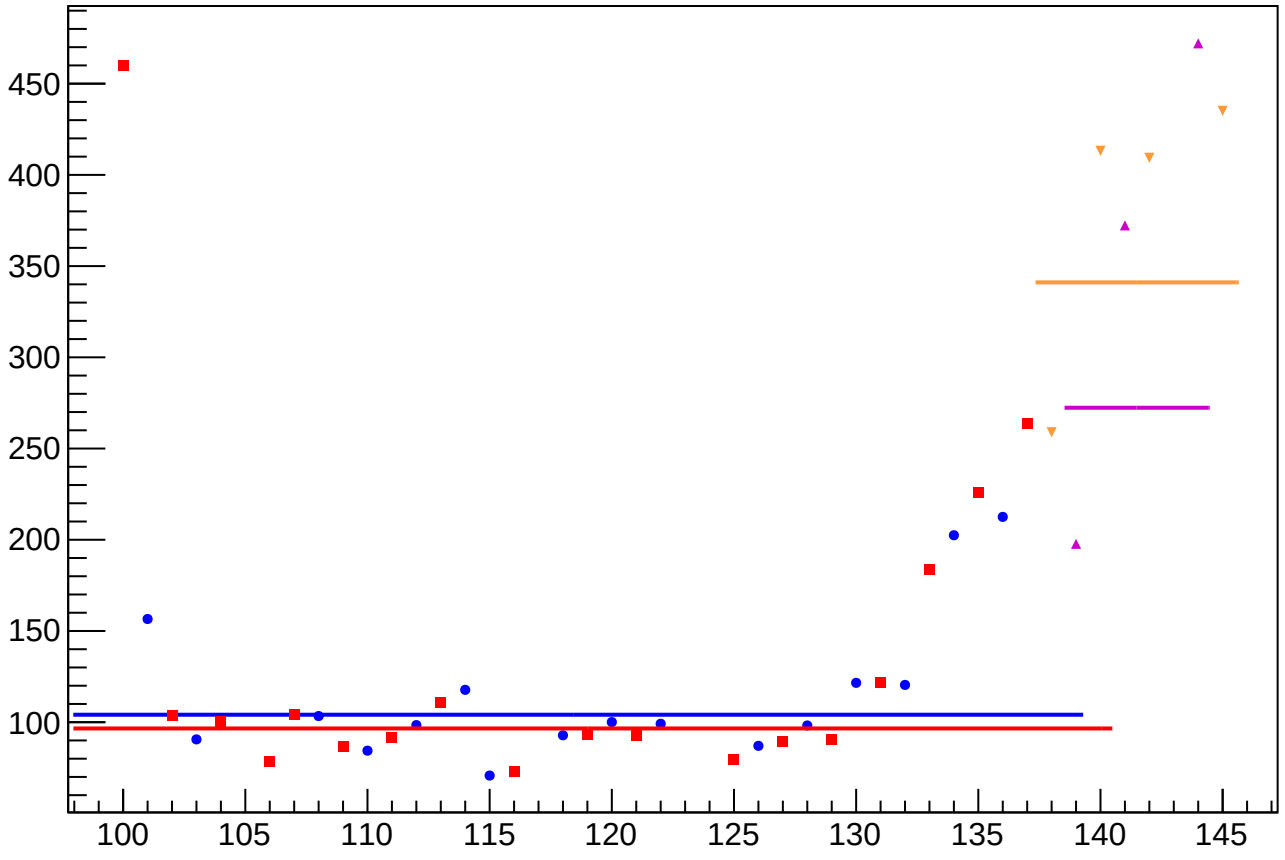
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.563+/-0.210 χ²/NDF:2.9/3
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.199+/-0.184 χ²/NDF:7.2/2
+ sign 0.013+/-0.040 χ²/NDF: 20.4/19
All: 0.020+/-0.028 χ²/NDF: 51.3/40
- sign 0.026+/-0.038 χ²/NDF: 30.8/20



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 341.076+/-0.149 χ^2/NDF:296328.6/3

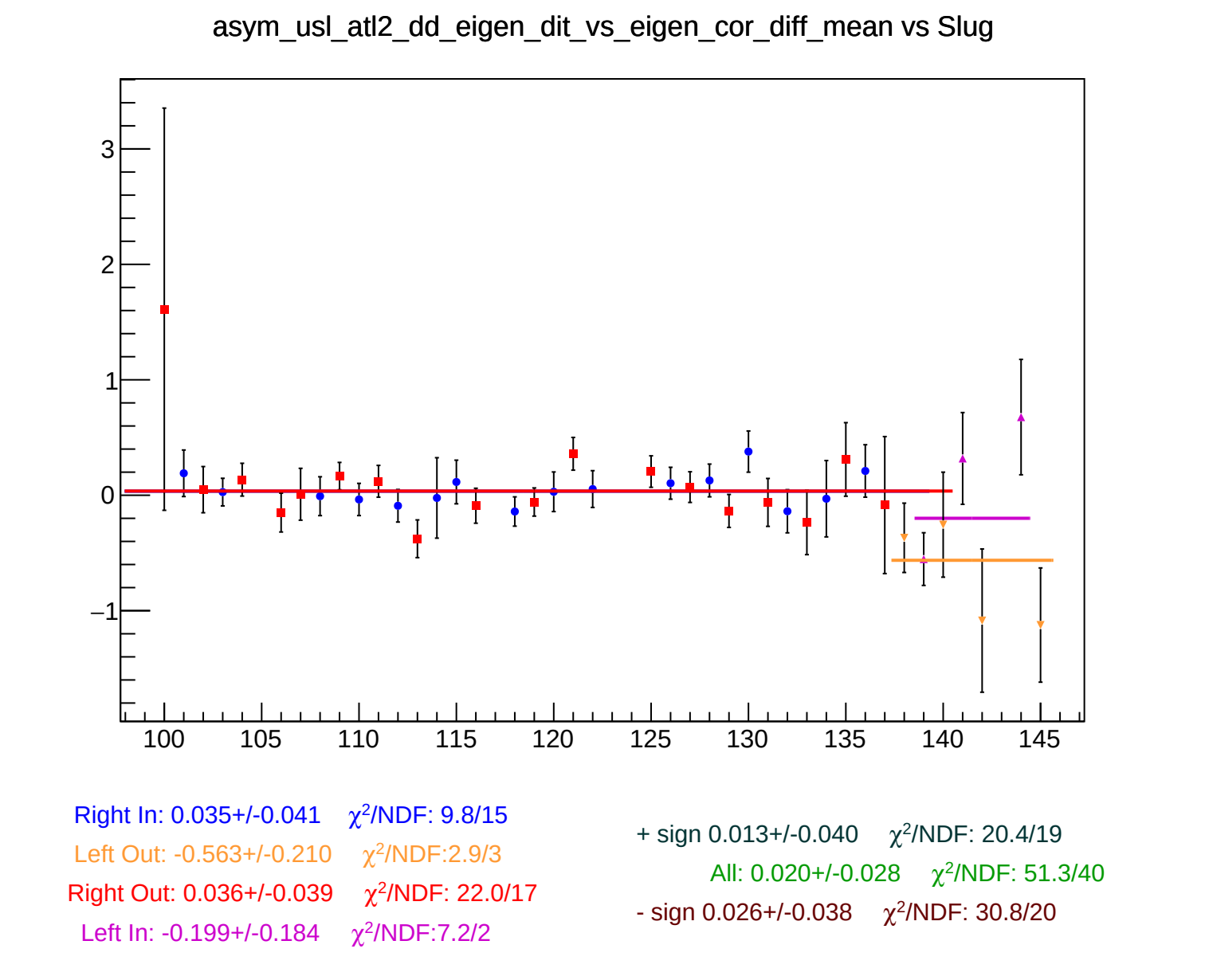
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 272.364+/-0.130 χ^2/NDF:659989.9/2

+ sign 112.788+/-0.028 χ^2/NDF: 3731904.3/19

All: 108.196+/-0.020 χ^2/NDF: 7145105.8/40

- sign 104.096+/-0.027 χ^2/NDF: 3363991.8/20


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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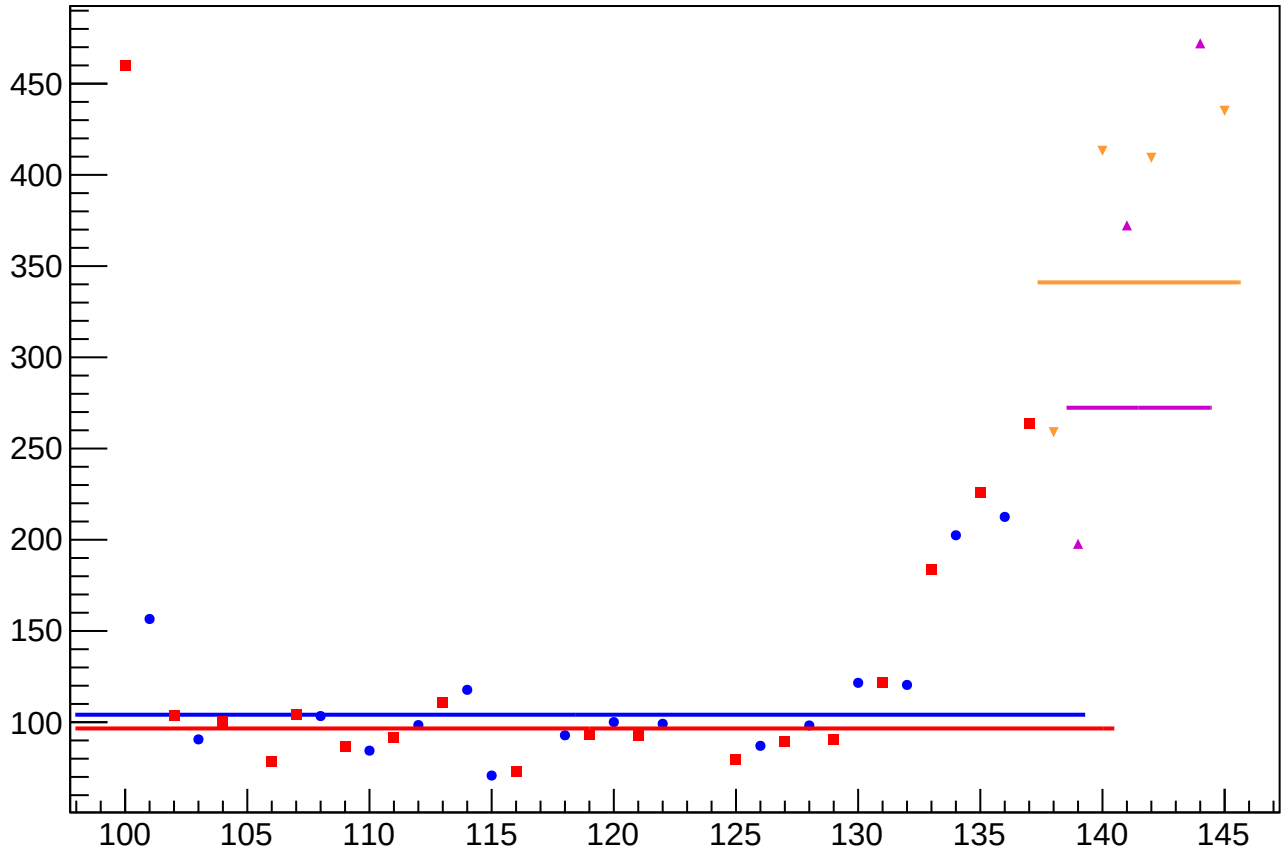
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.563+/-0.210 χ²/NDF:2.9/3
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.199+/-0.184 χ²/NDF:7.2/2
+ sign 0.013+/-0.040 χ²/NDF: 20.4/19
All: 0.020+/-0.028 χ²/NDF: 51.3/40
- sign 0.026+/-0.038 χ²/NDF: 30.8/20



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 341.076+/-0.149 χ^2/NDF:296328.6/3

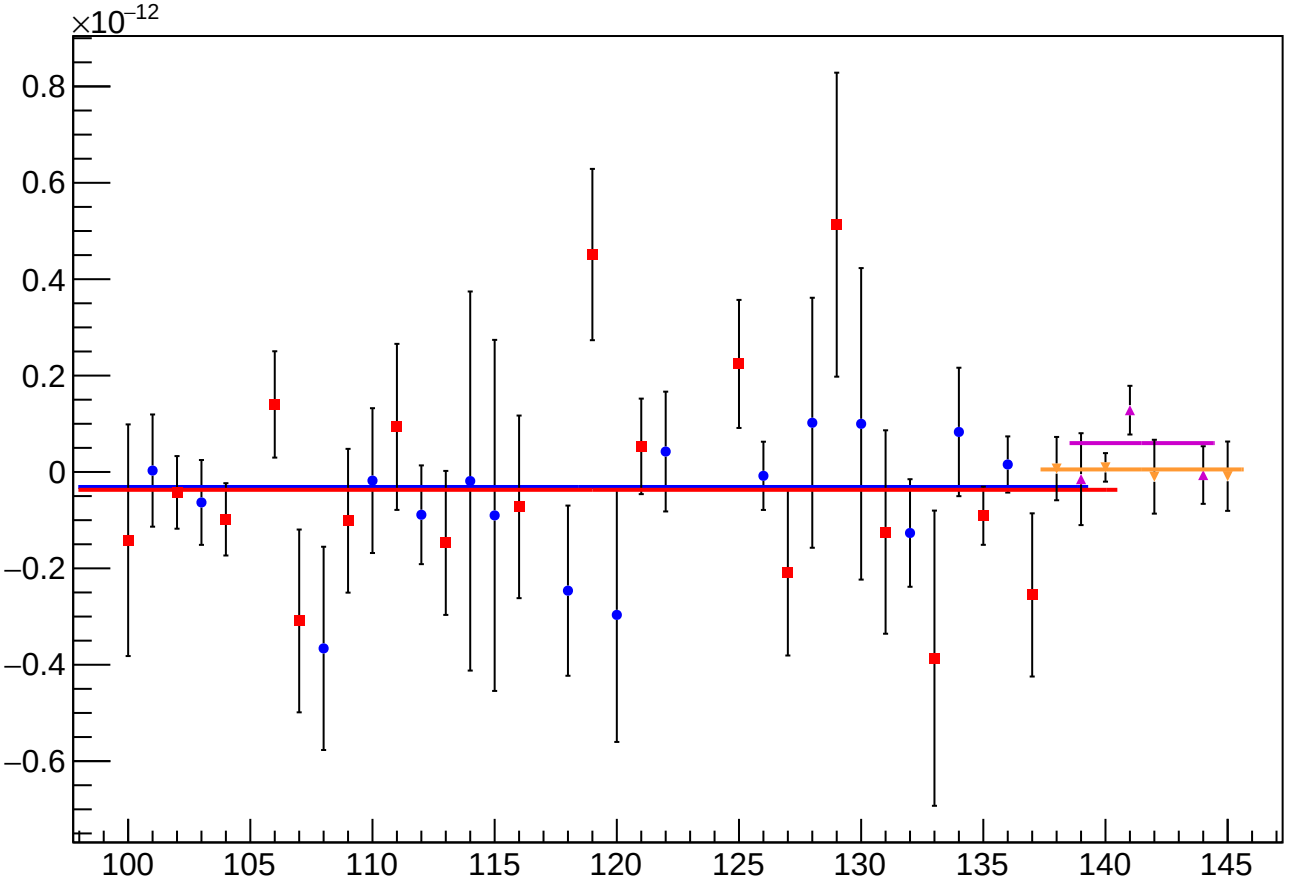
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 272.364+/-0.130 χ^2/NDF:659989.9/2

+ sign 112.788+/-0.028 χ^2/NDF: 3731904.3/19

All: 108.196+/-0.020 χ^2/NDF: 7145105.8/40

- sign 104.096+/-0.027 χ^2/NDF: 3363991.8/20



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/3

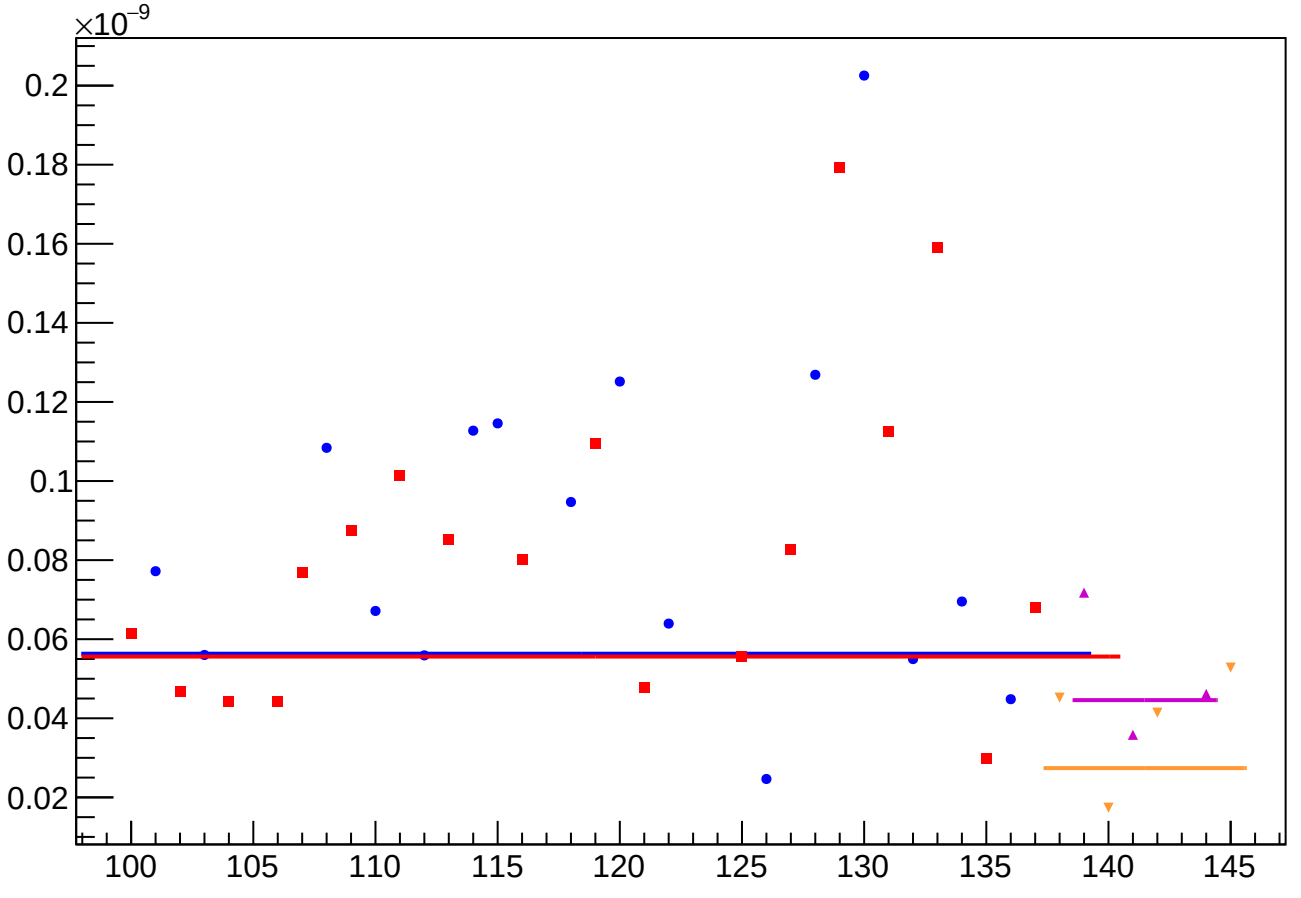
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 9.6/19

All: -0.000+/-0.000 χ^2/NDF: 44.9/40

- sign 0.000+/-0.000 χ^2/NDF: 35.2/20



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

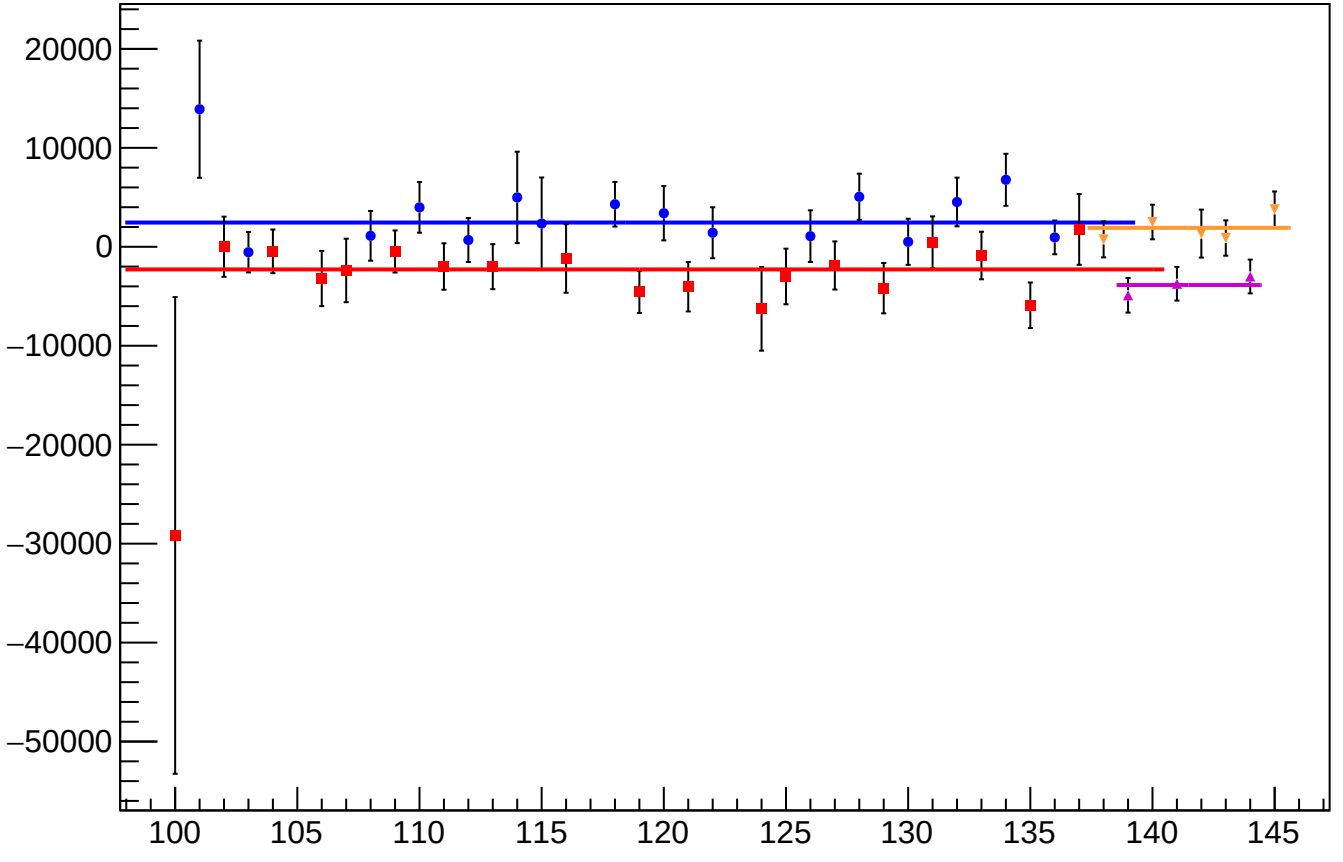
Left In: 0.000+/-0.000 χ^2/NDF:224176.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 3430641.3/19

All: 0.000+/-0.000 χ^2/NDF: 5898850.1/40

- sign 0.000+/-0.000 χ^2/NDF: 2106890.8/20

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

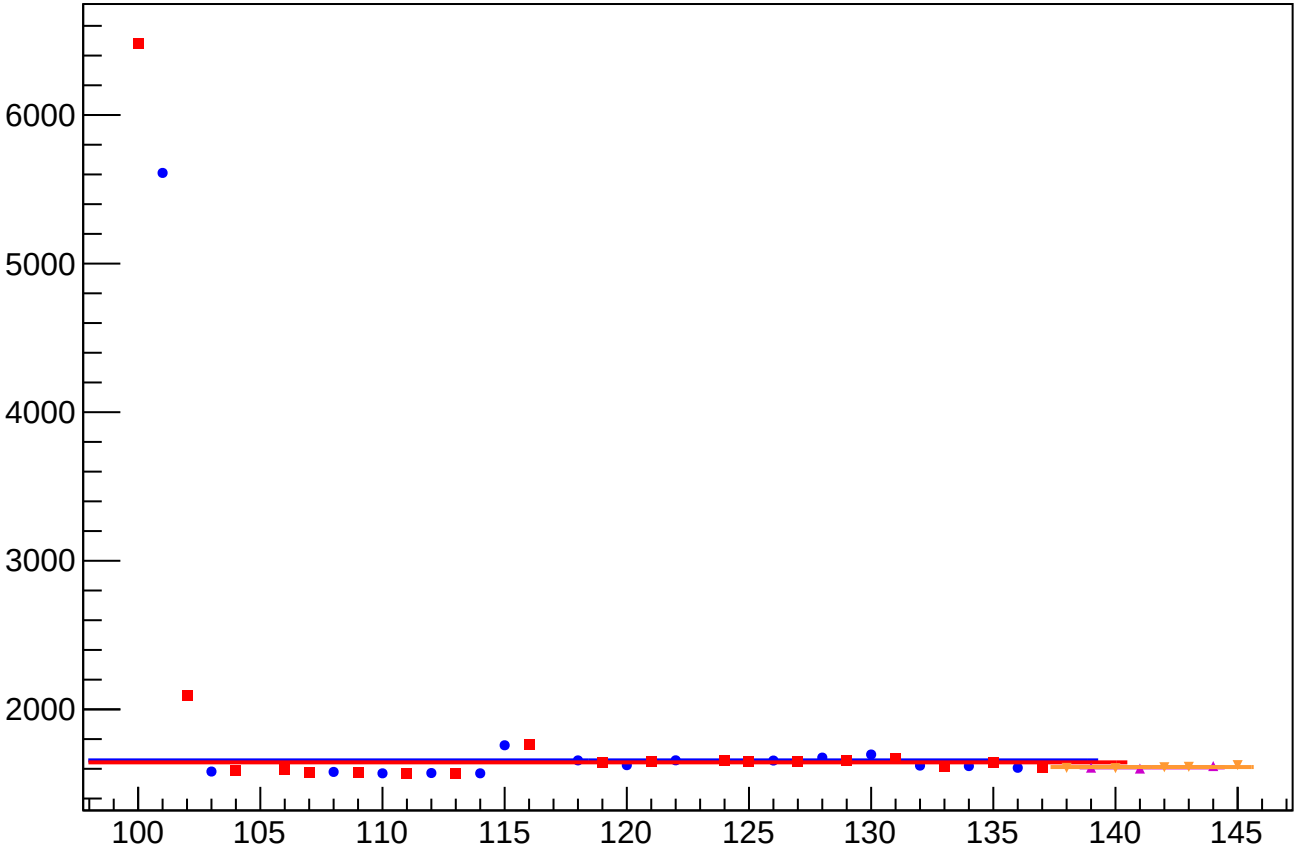
Left In: -3863.602+/-992.055 χ^2/NDF:0.6/2

+ sign 2255.673+/-503.836 χ^2/NDF: 16.1/20

All: -157.116+/-361.544 χ^2/NDF: 77.7/42

- sign -2718.370+/-519.106 χ^2/NDF: 14.3/21

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

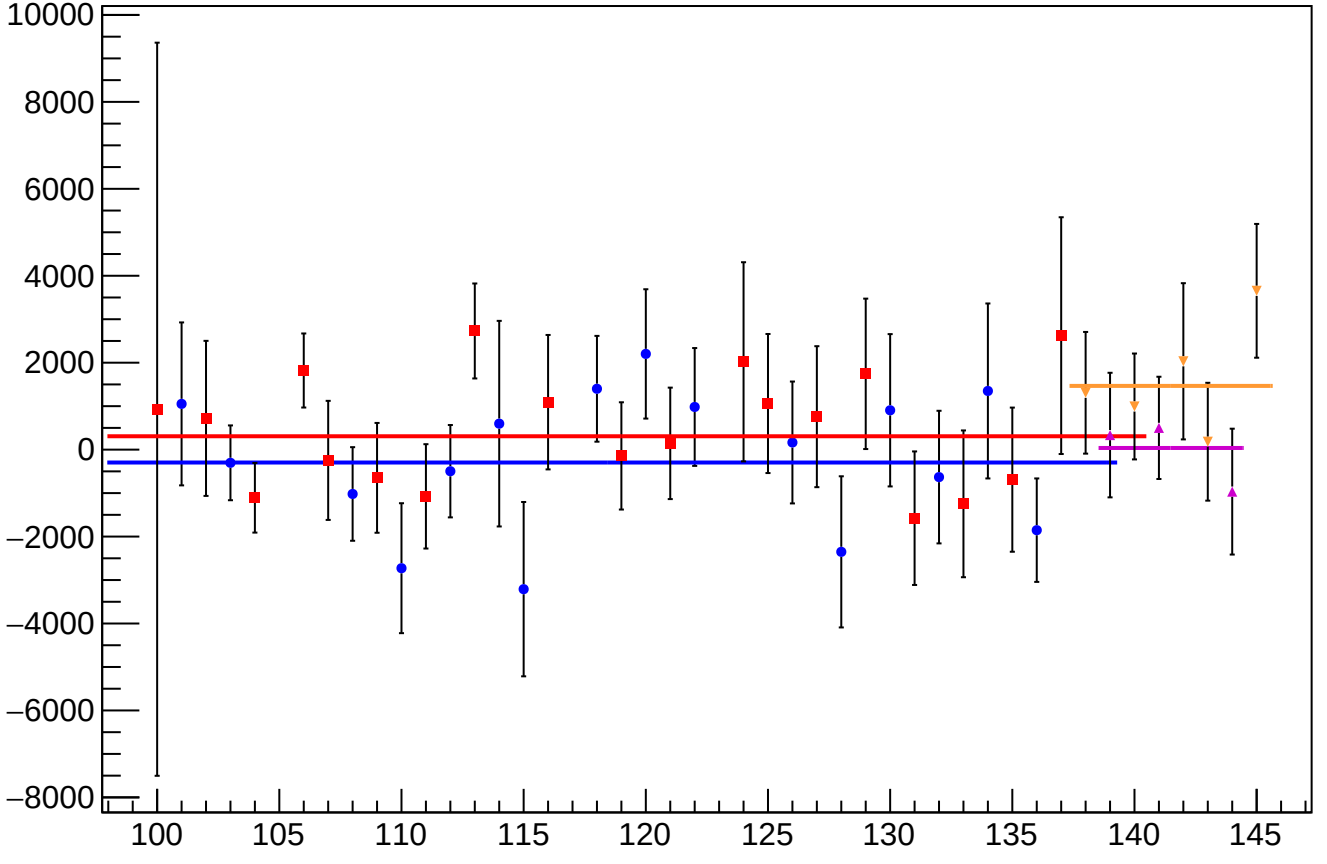
Left In: 1609.467+/-0.701 χ^2/NDF:99.9/2

+ sign 1640.511+/-0.356 χ^2/NDF: 670029.7/20

All: 1637.416+/-0.256 χ^2/NDF: 808985.3/42

- sign 1634.131+/-0.367 χ^2/NDF: 138800.0/21

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

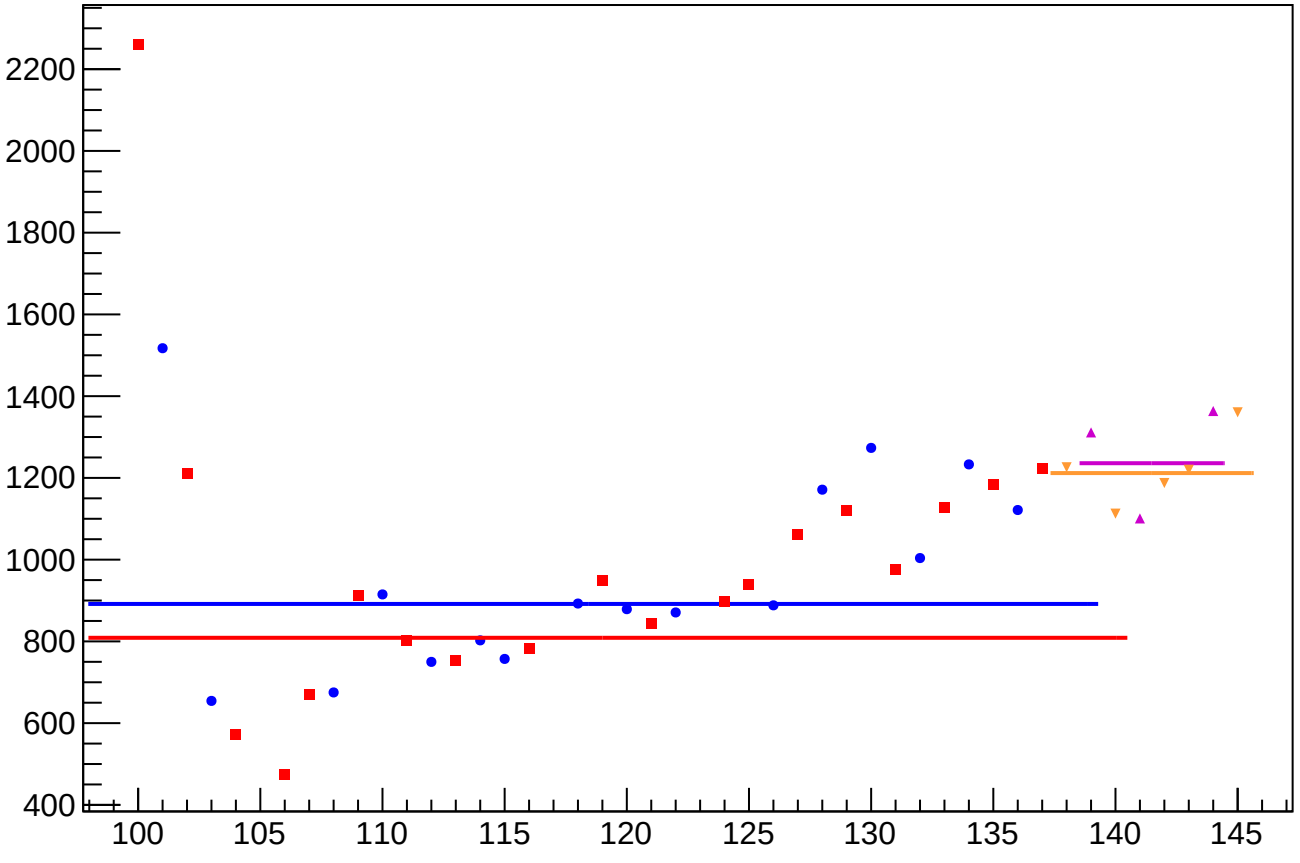
Left In: 38.129+/-769.891 χ^2/NDF:0.7/2

\+ sign 100.035+/-302.352 χ^2/NDF: 25.1/20

All: 188.289+/-209.267 χ^2/NDF: 44.7/42

\- sign 269.444+/-289.935 χ^2/NDF: 19.5/21

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

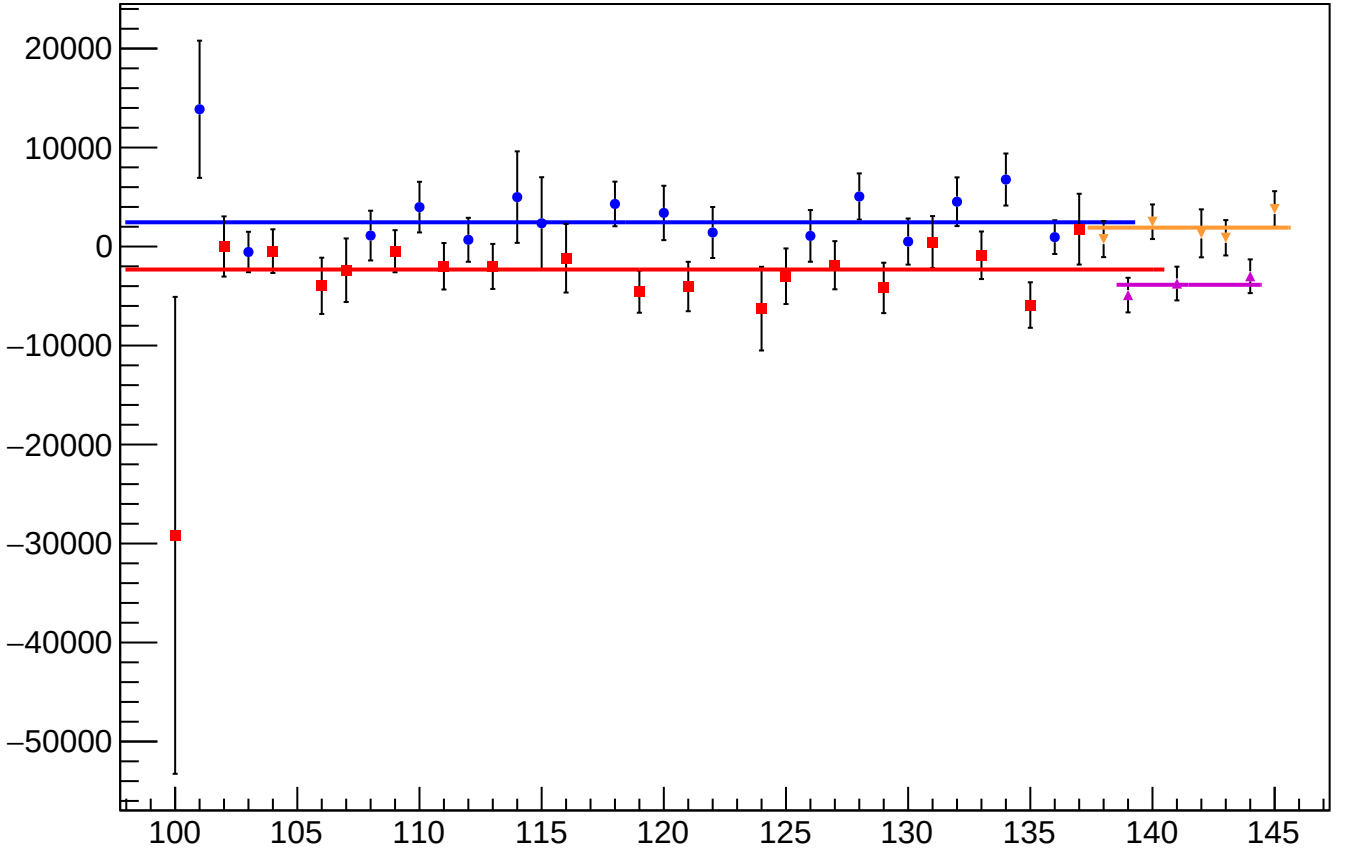
Left In: 1235.958+/-0.544 χ^2/NDF:47476.8/2

+ sign 963.656+/-0.214 χ^2/NDF: 1217506.0/20

All: 914.547+/-0.148 χ^2/NDF: 2978440.4/42

- sign 869.388+/-0.205 χ^2/NDF: 1659651.8/21

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

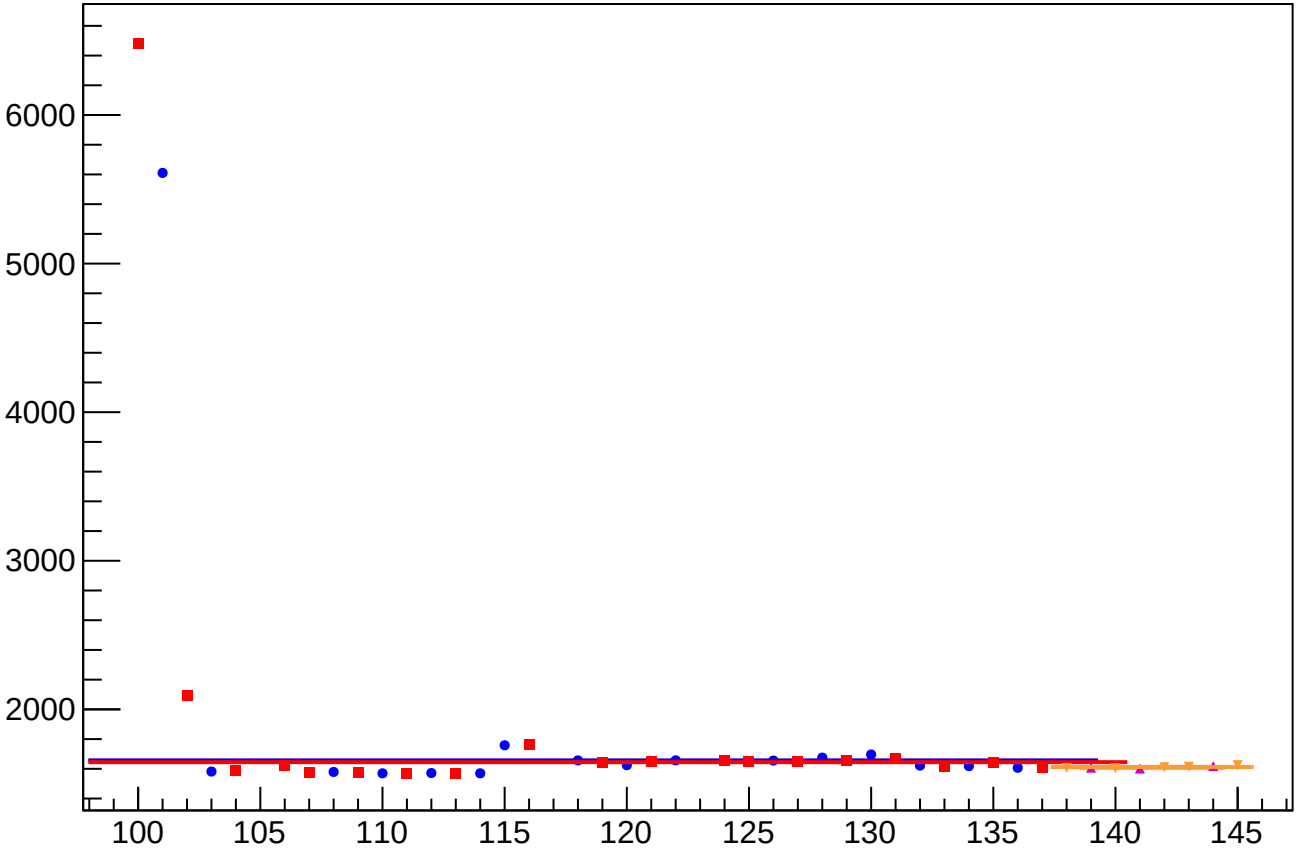
Left In: -3863.857+/-992.055 χ^2/NDF:0.6/2

+ sign 2255.365+/-503.836 χ^2/NDF: 16.1/20

All: -168.042+/-361.648 χ^2/NDF: 78.2/42

- sign -2743.636+/-519.415 χ^2/NDF: 14.4/21

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

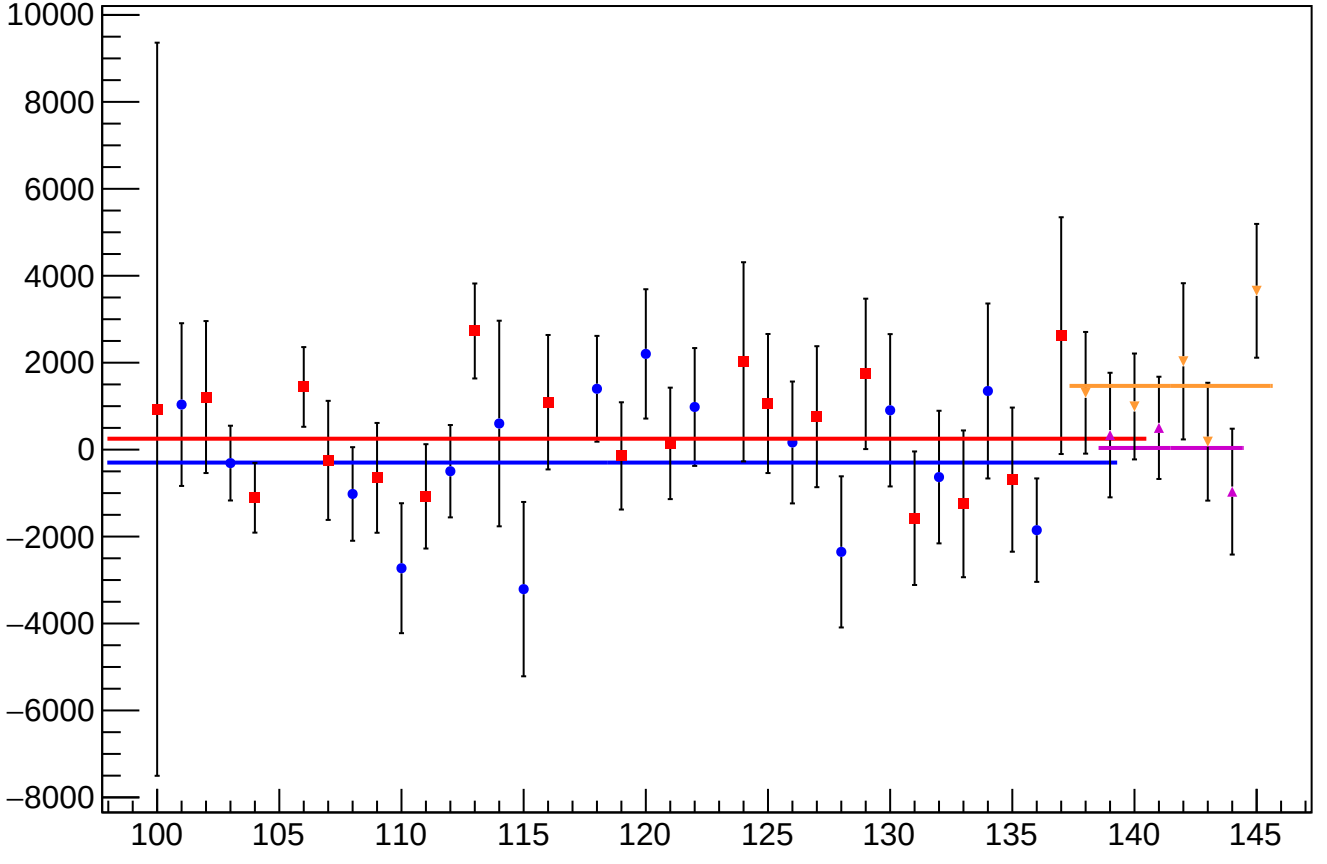
Left In: 1609.467+/-0.701 χ^2/NDF:99.9/2

+ sign 1640.511+/-0.356 χ^2/NDF: 670029.3/20

All: 1637.871+/-0.256 χ^2/NDF: 808560.0/42

- sign 1635.065+/-0.367 χ^2/NDF: 138417.5/21

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

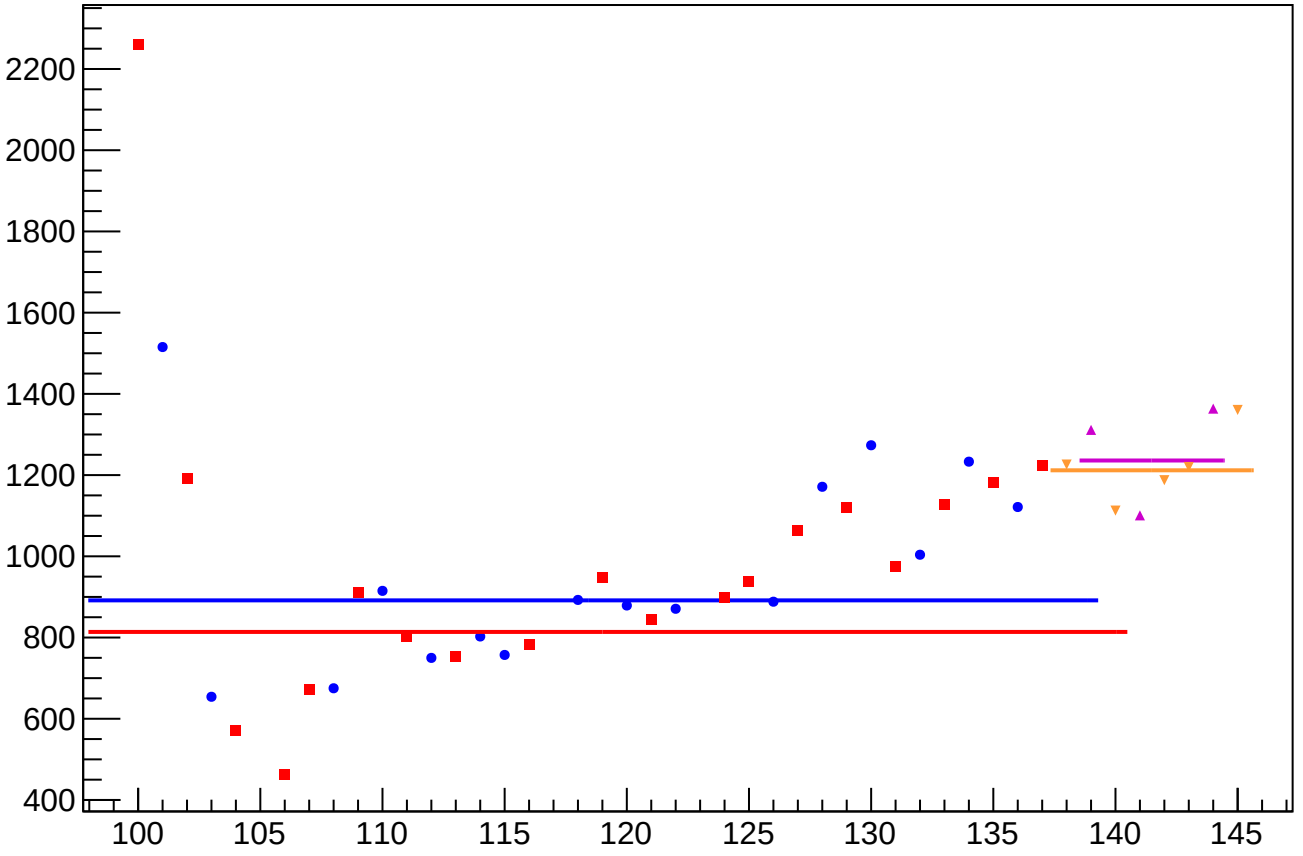
Left In: 38.232+/-769.893 χ^2/NDF:0.7/2

+ sign 98.942+/-302.320 χ^2/NDF: 25.1/20

All: 161.835+/-210.079 χ^2/NDF: 43.1/42

- sign 220.562+/-292.135 χ^2/NDF: 18.0/21

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

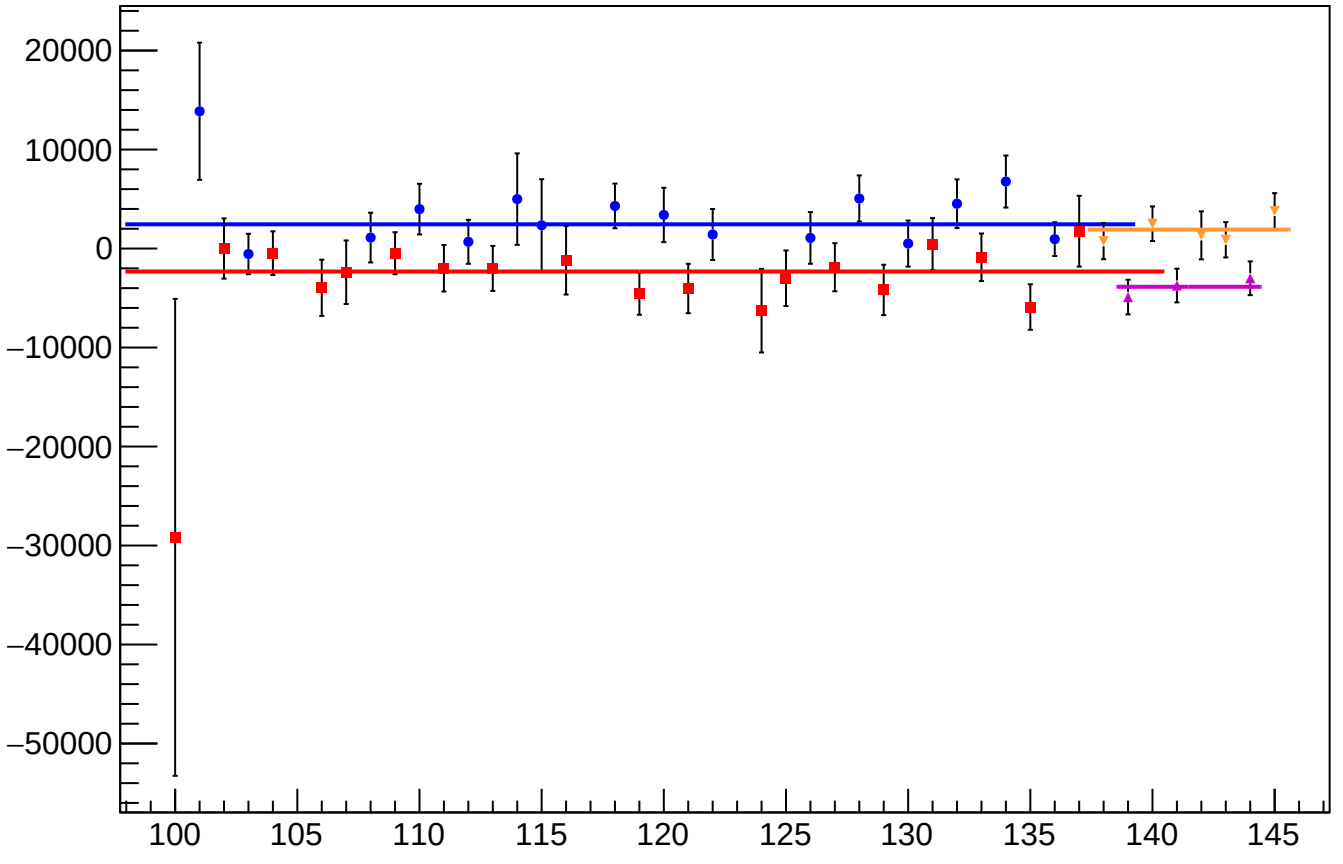
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1235.960+/-0.544 χ^2/NDF:47483.9/2

+ sign 963.562+/-0.214 χ^2/NDF: 1217505.4/20

All: 917.552+/-0.149 χ^2/NDF: 2922305.9/42

- sign 874.589+/-0.207 χ^2/NDF: 1615221.0/21



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

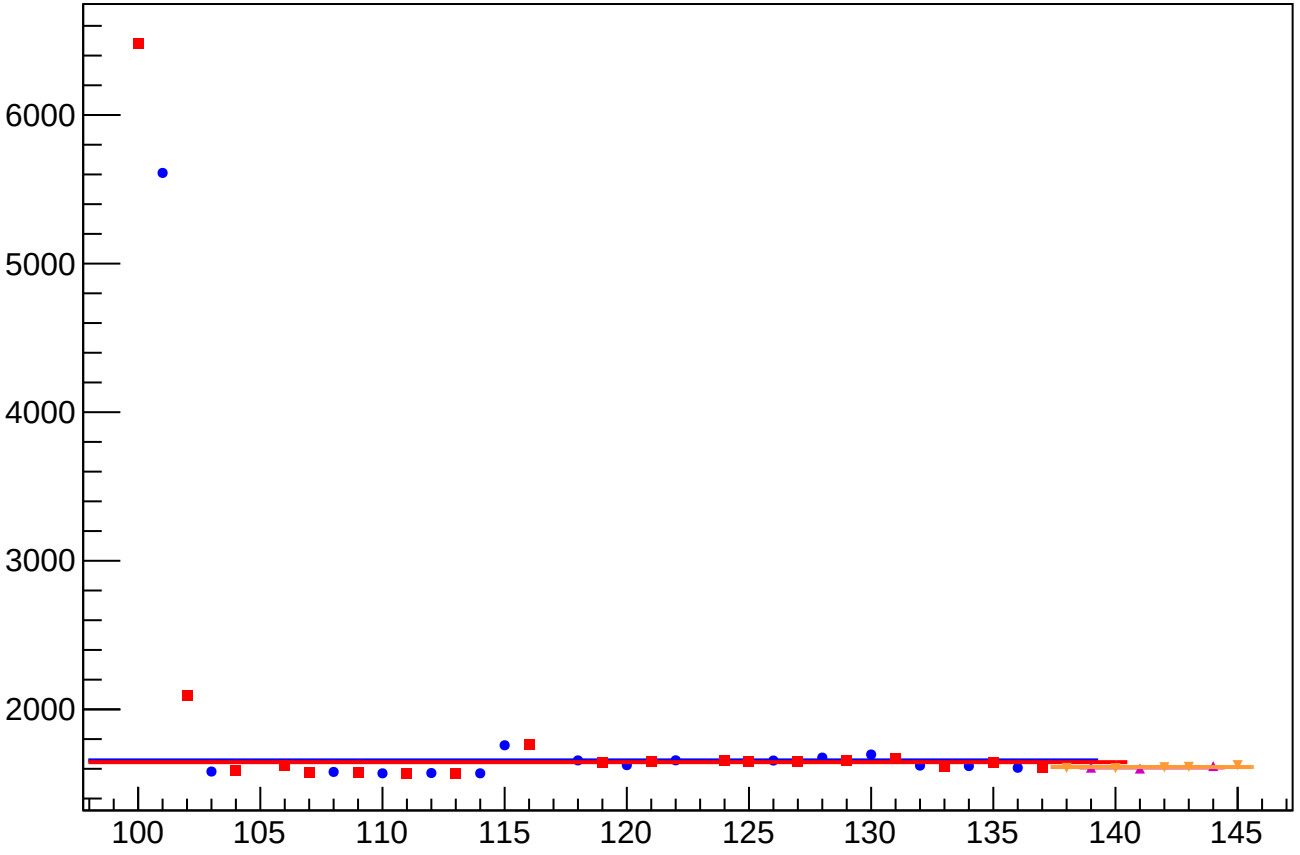
Left In: -3863.857+/-992.055 χ^2/NDF:0.6/2

+ sign 2255.365+/-503.836 χ^2/NDF: 16.1/20

All: -168.042+/-361.648 χ^2/NDF: 78.2/42

- sign -2743.636+/-519.415 χ^2/NDF: 14.4/21

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

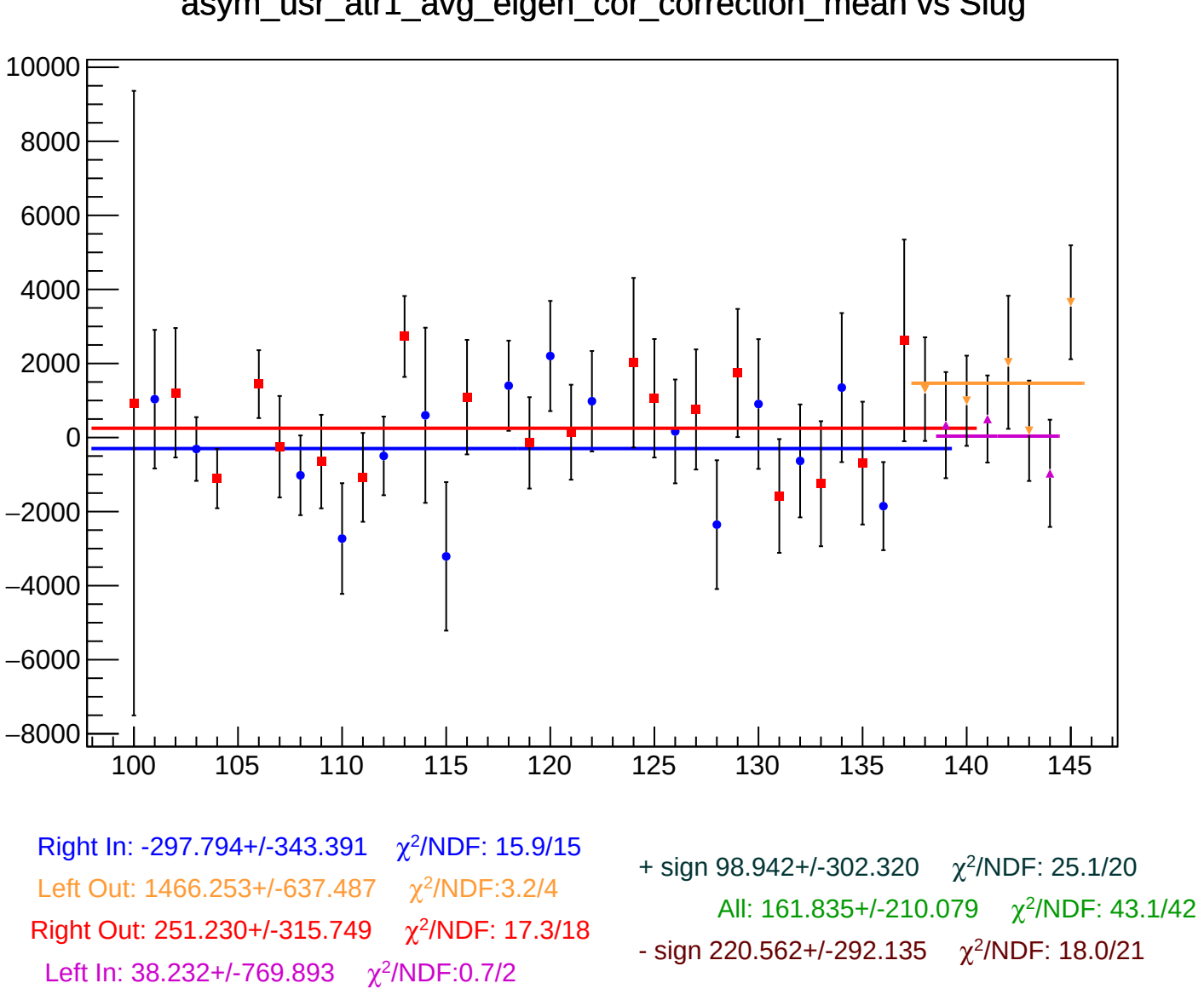
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.467+/-0.701 χ^2/NDF:99.9/2

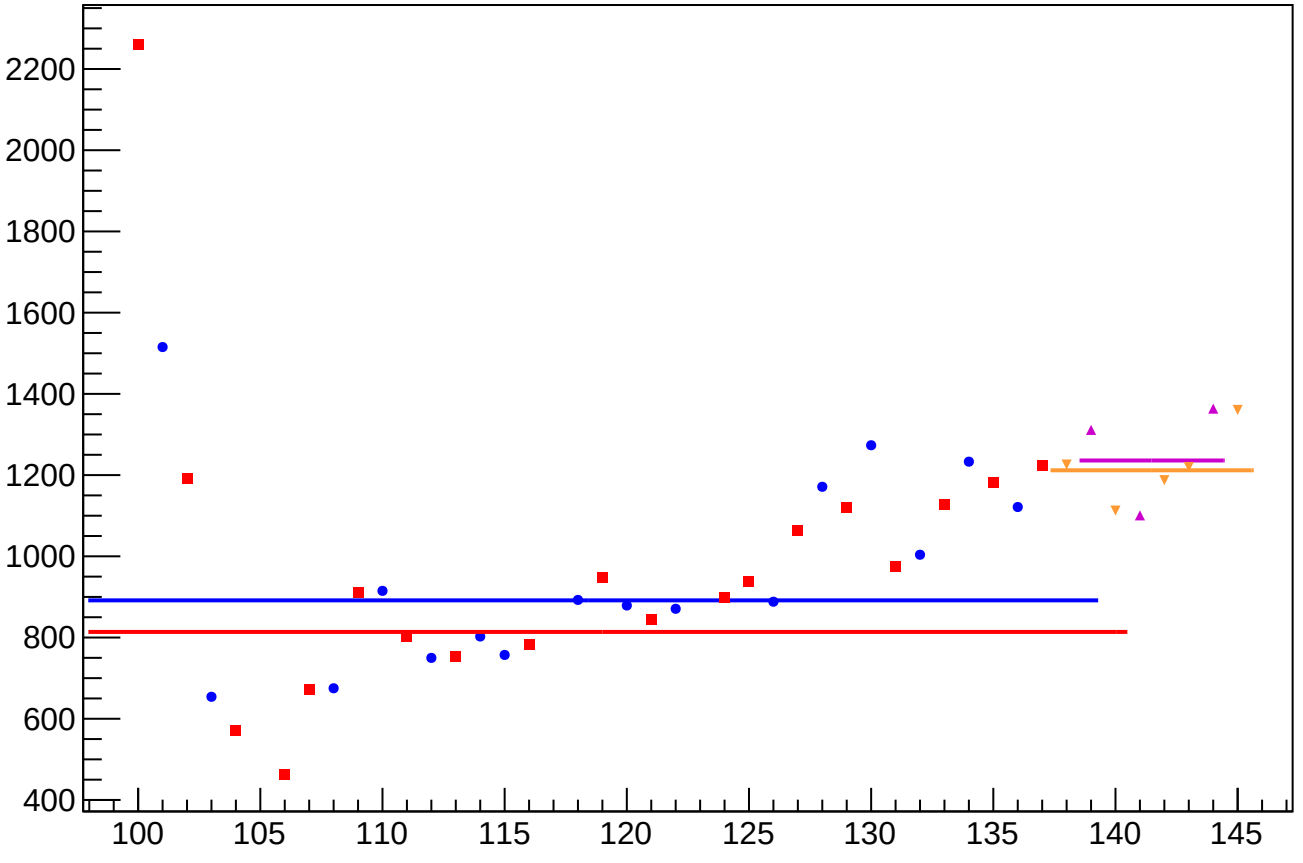
+ sign 1640.511+/-0.356 χ^2/NDF: 670029.3/20

All: 1637.871+/-0.256 χ^2/NDF: 808560.0/42

- sign 1635.065+/-0.367 χ^2/NDF: 138417.5/21


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
145
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: 1466.253+/-637.487 χ²/NDF:3.2/4
Right Out: 251.230+/-315.749 χ²/NDF: 17.3/18
Left In: 38.232+/-769.893 χ²/NDF:0.7/2
+ sign 98.942+/-302.320 χ²/NDF: 25.1/20
All: 161.835+/-210.079 χ²/NDF: 43.1/42
- sign 220.562+/-292.135 χ²/NDF: 18.0/21

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

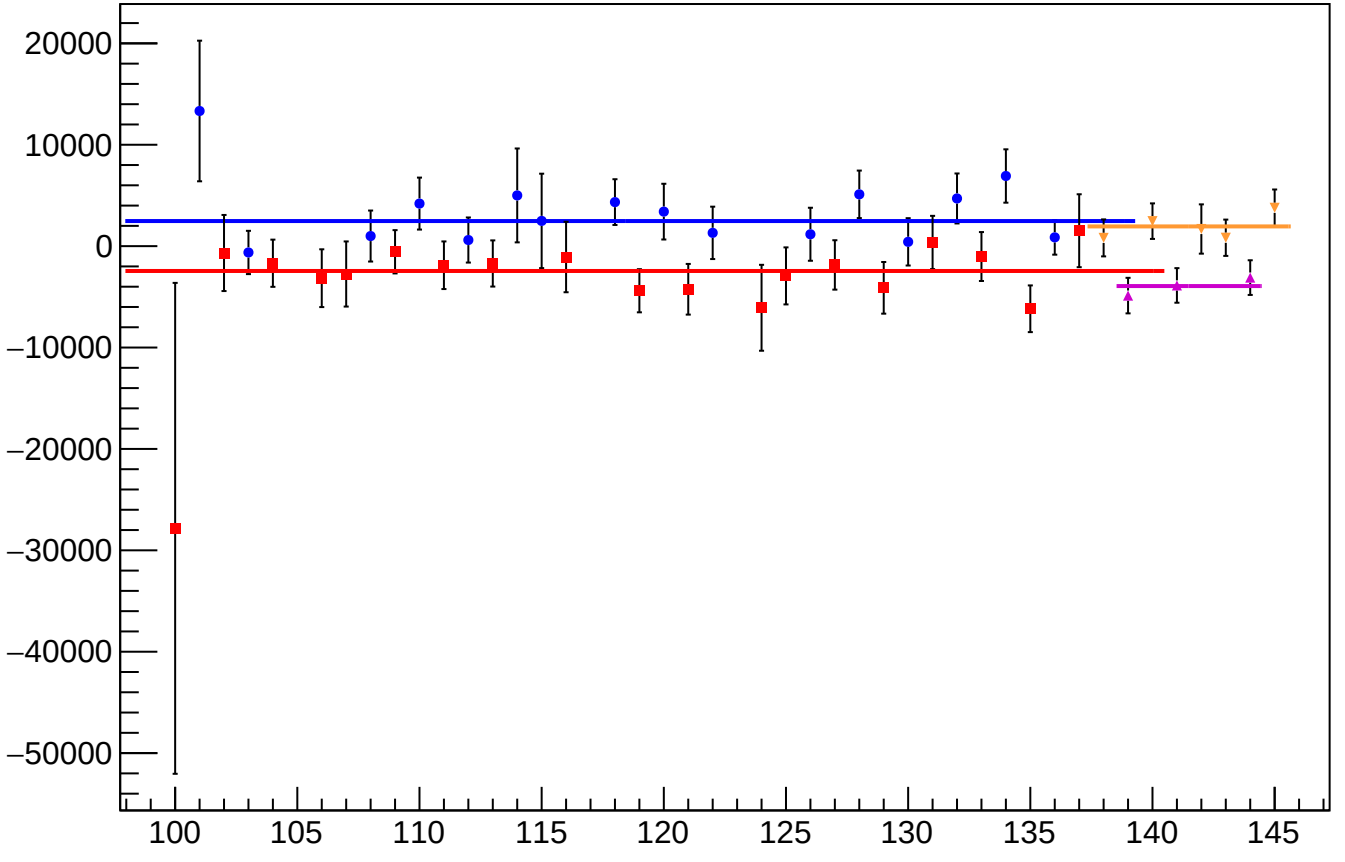
Left In: 1235.960+/-0.544 χ^2/NDF:47483.9/2

+ sign 963.562+/-0.214 χ^2/NDF: 1217505.4/20

All: 917.552+/-0.149 χ^2/NDF: 2922305.9/42

- sign 874.589+/-0.207 χ^2/NDF: 1615221.0/21

dit_asym_usr_atr1_avg_mean vs Slug



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

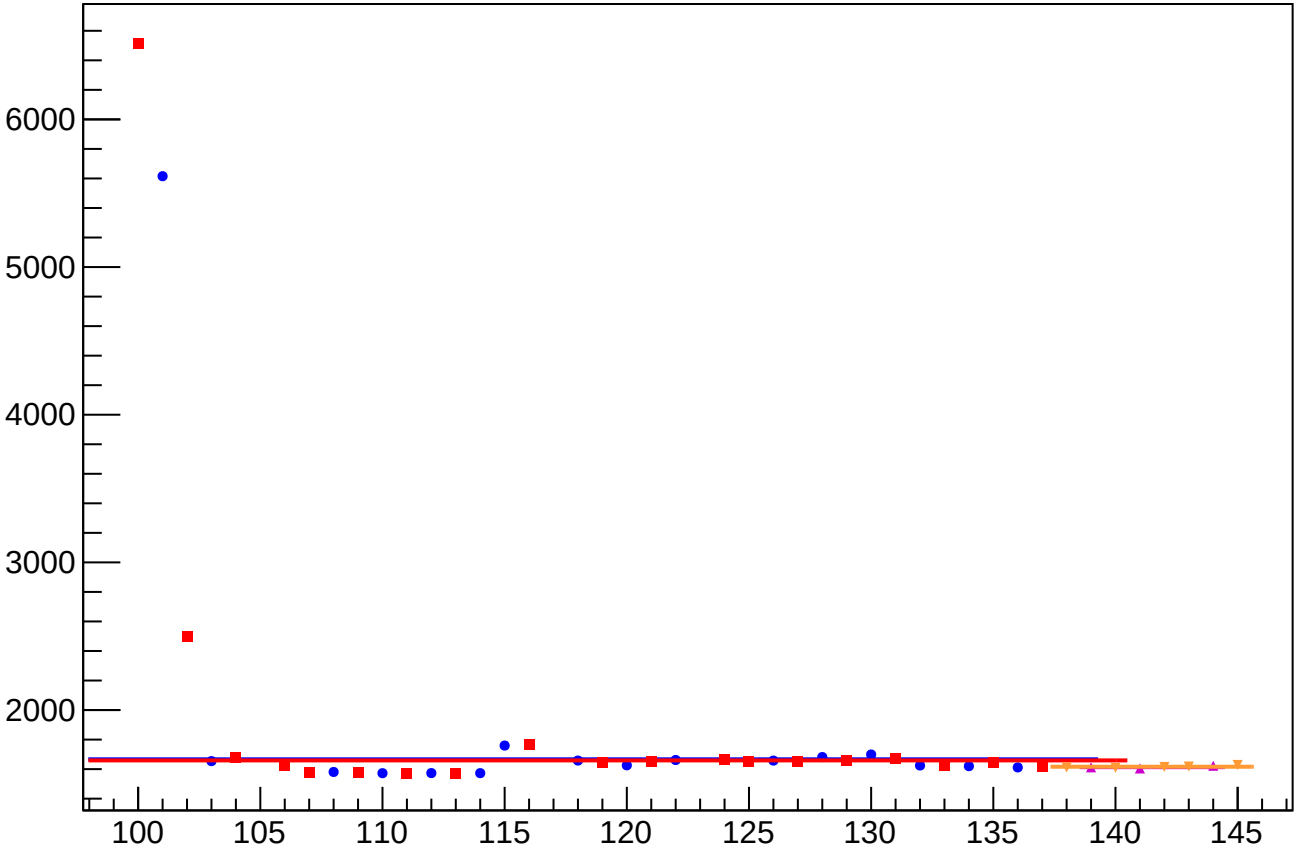
Left In: -3936.321+/-994.422 χ^2/NDF:0.5/2

+ sign 2283.295+/-506.182 χ^2/NDF: 16.4/20

All: -197.877+/-364.265 χ^2/NDF: 78.9/42

- sign -2862.974+/-524.608 χ^2/NDF: 12.7/21

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

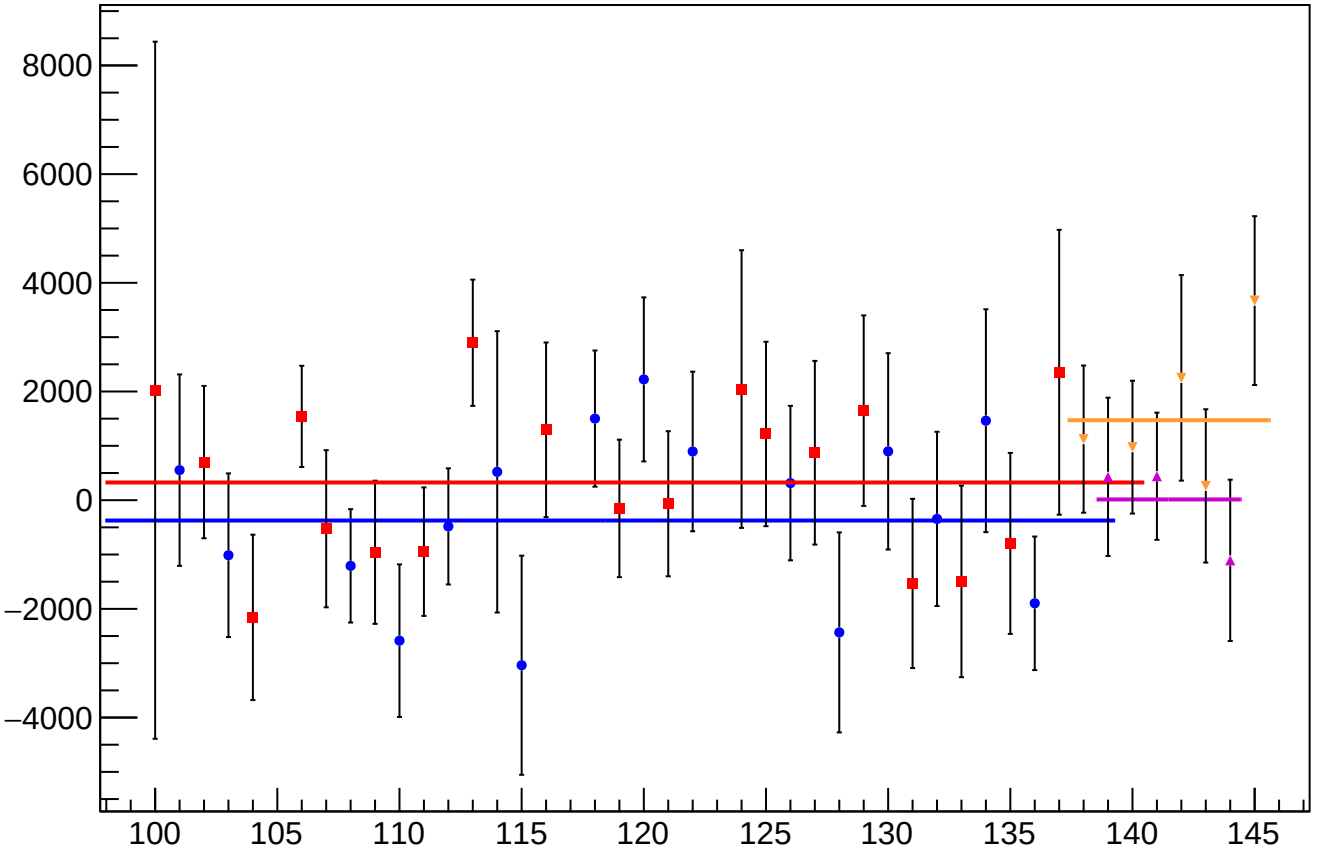
Left In: 1613.259+/-0.703 χ^2/NDF:118.8/2

+ sign 1648.223+/-0.358 χ^2/NDF: 667586.6/20

All: 1647.283+/-0.258 χ^2/NDF: 863997.9/42

- sign 1646.273+/-0.371 χ^2/NDF: 196397.0/21

asym_usr_atr1_avg_dit_correction_mean vs Slug



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

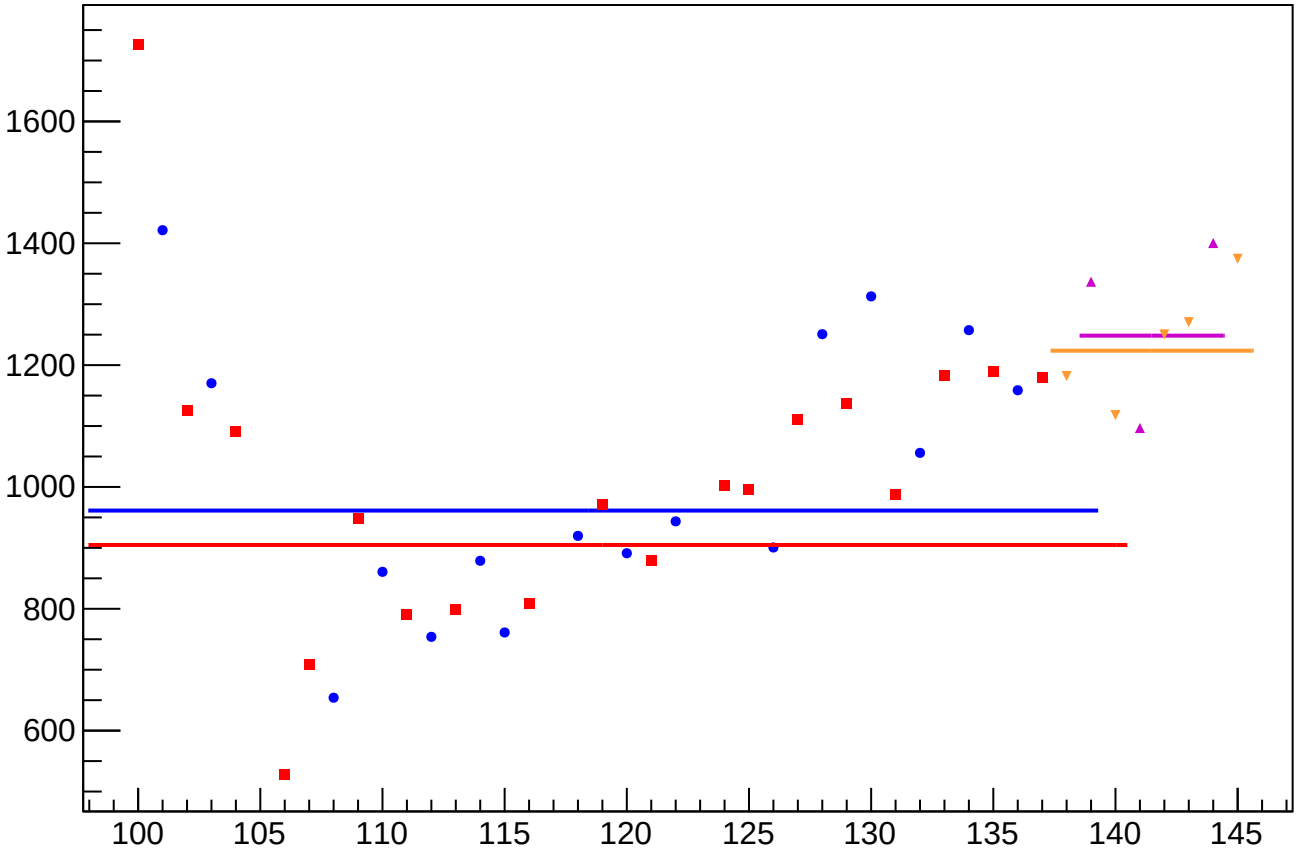
Left In: 13.222+/-777.223 χ^2/NDF:0.8/2

+ sign 79.823+/-319.473 χ^2/NDF: 25.1/20

All: 179.897+/-223.203 χ^2/NDF: 43.6/42

- sign 275.330+/-311.976 χ^2/NDF: 18.3/21

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

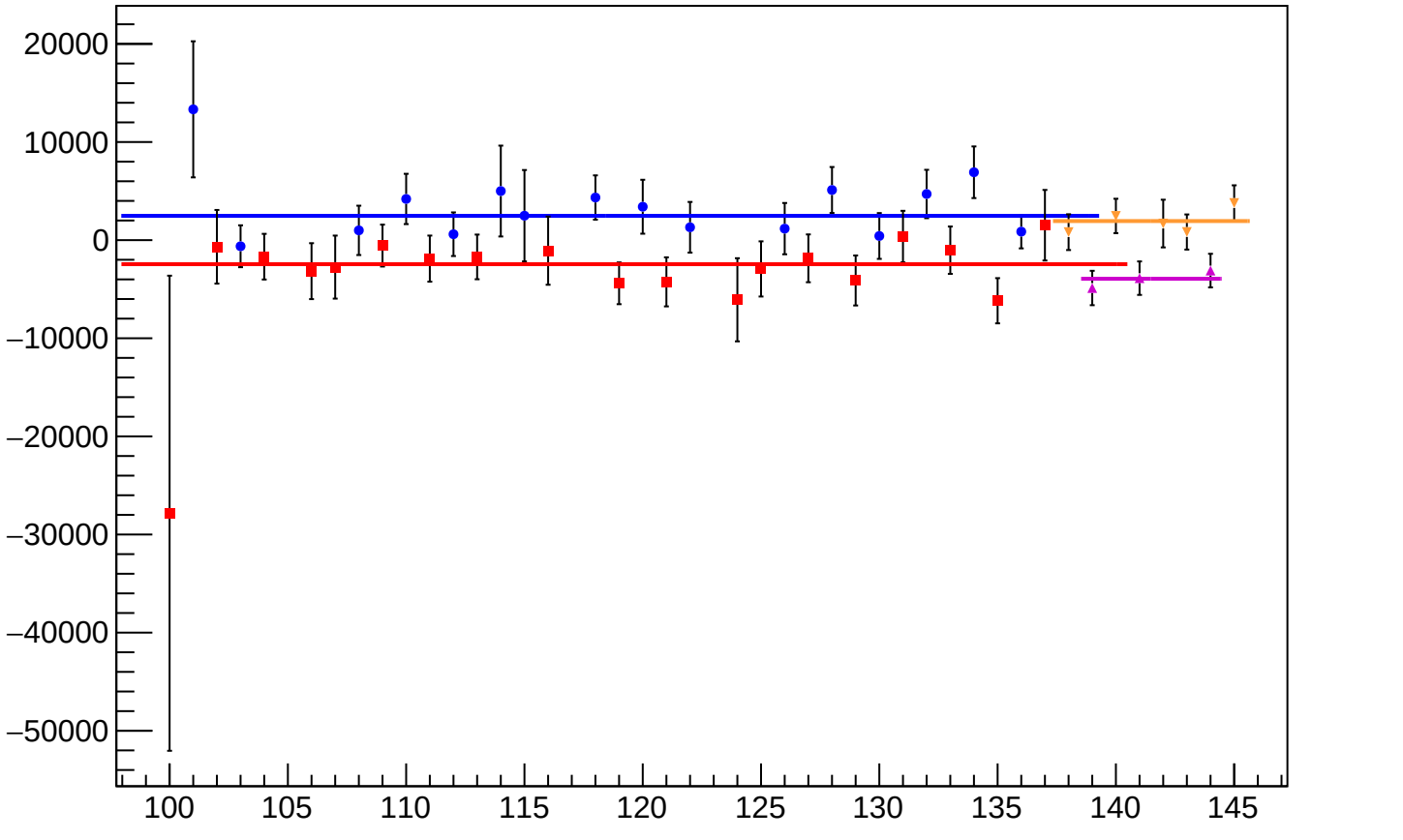
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 1248.390+/-0.550 χ^2/NDF:61954.8/2

+ sign 1025.831+/-0.226 χ^2/NDF: 980583.5/20

All: 992.188+/-0.158 χ^2/NDF: 2150358.1/42

- sign 960.106+/-0.221 χ^2/NDF: 1126444.5/21



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

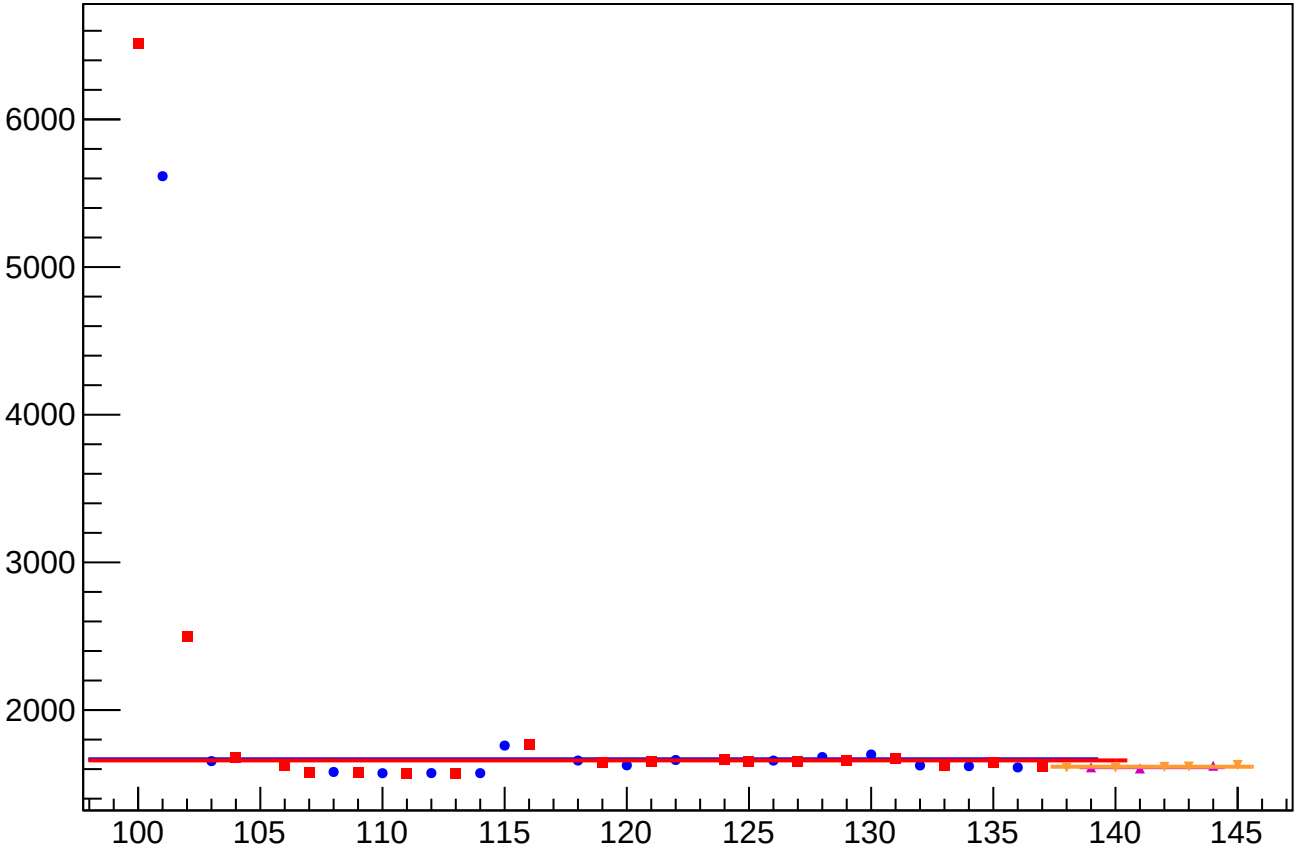
Left In: -3936.320+/-994.422 χ^2/NDF:0.5/2

+ sign 2283.295+/-506.182 χ^2/NDF: 16.4/20

All: -197.876+/-364.265 χ^2/NDF: 78.9/42

- sign -2862.974+/-524.608 χ^2/NDF: 12.7/21

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

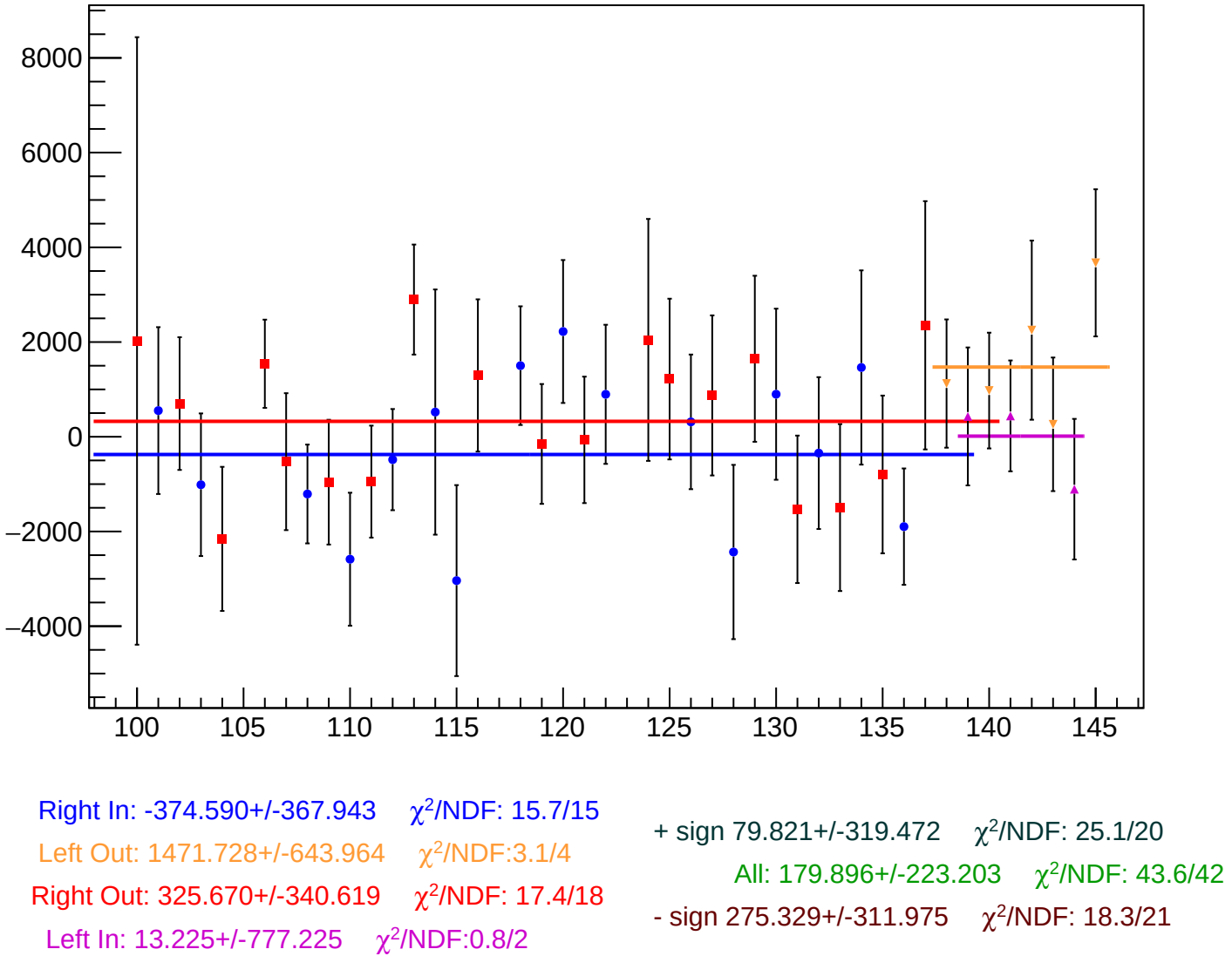
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

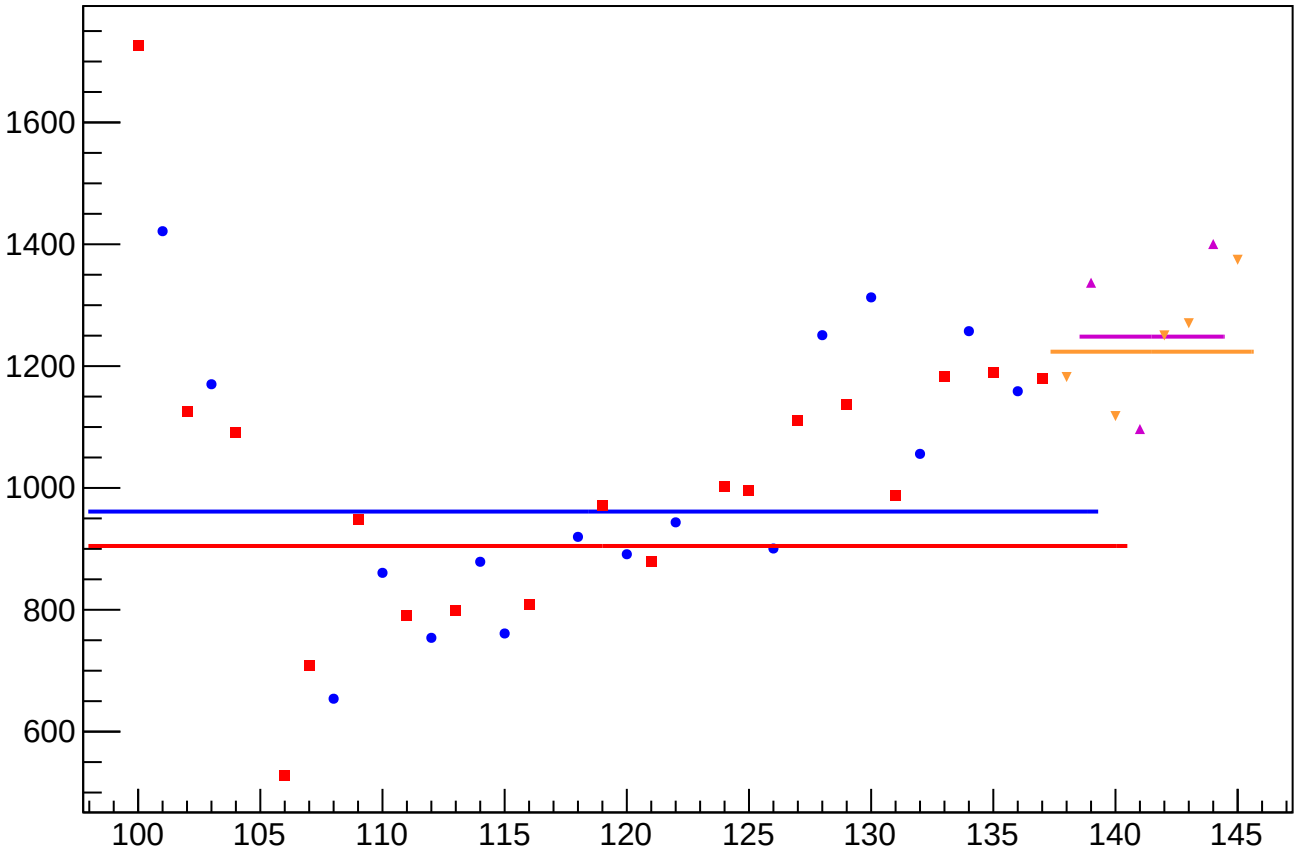
Left In: 1613.259+/-0.703 χ^2/NDF:118.8/2

+ sign 1648.223+/-0.358 χ^2/NDF: 667586.6/20

All: 1647.283+/-0.258 χ^2/NDF: 863997.7/42

- sign 1646.273+/-0.371 χ^2/NDF: 196396.8/21


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
140
145
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: 1471.728+/-643.964 χ²/NDF:3.1/4
Right Out: 325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 13.225+/-777.225 χ²/NDF:0.8/2
+ sign 79.821+/-319.472 χ²/NDF: 25.1/20
All: 179.896+/-223.203 χ²/NDF: 43.6/42
- sign 275.329+/-311.975 χ²/NDF: 18.3/21



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

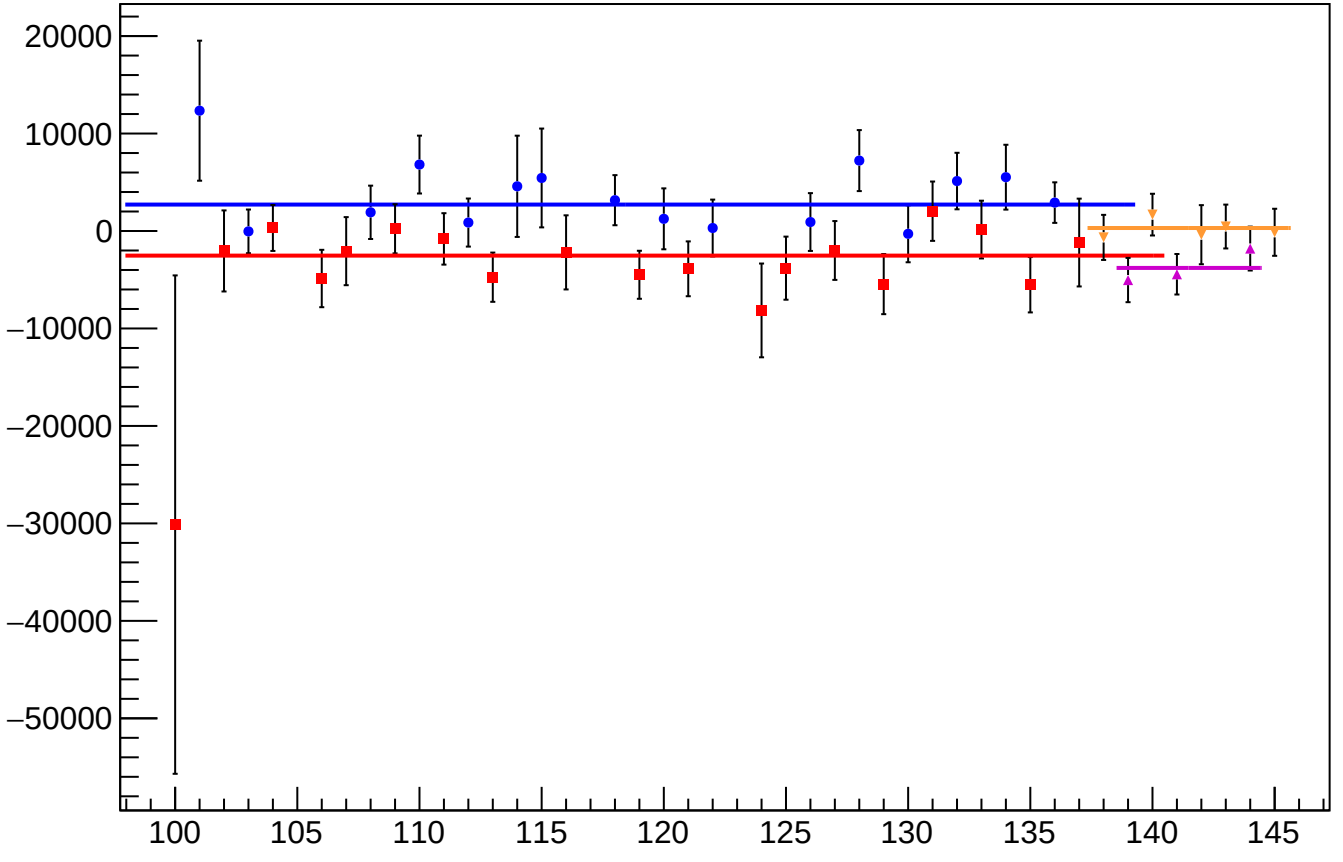
Left In: 1248.393+/-0.550 χ^2/NDF:61955.2/2

+ sign 1025.828+/-0.226 χ^2/NDF: 980603.6/20

All: 992.186+/-0.158 χ^2/NDF: 2150384.4/42

- sign 960.104+/-0.221 χ^2/NDF: 1126451.6/21

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

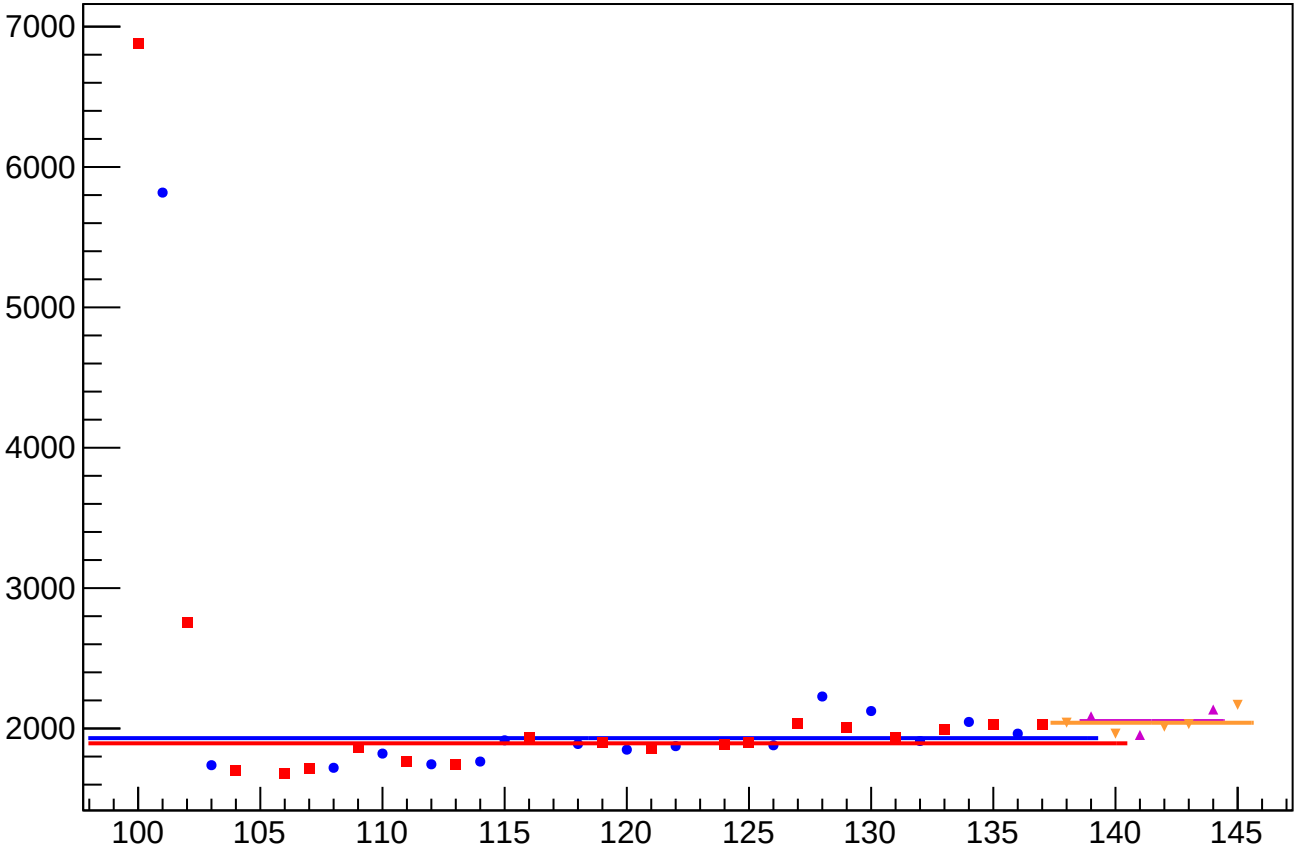
Left In: -3788.665+/-1267.521 χ^2/NDF:1.2/2

+ sign 1934.385+/-604.781 χ^2/NDF: 16.3/20

All: -397.372+/-431.927 χ^2/NDF: 61.8/42

- sign -2824.912+/-617.078 χ^2/NDF: 15.2/21

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

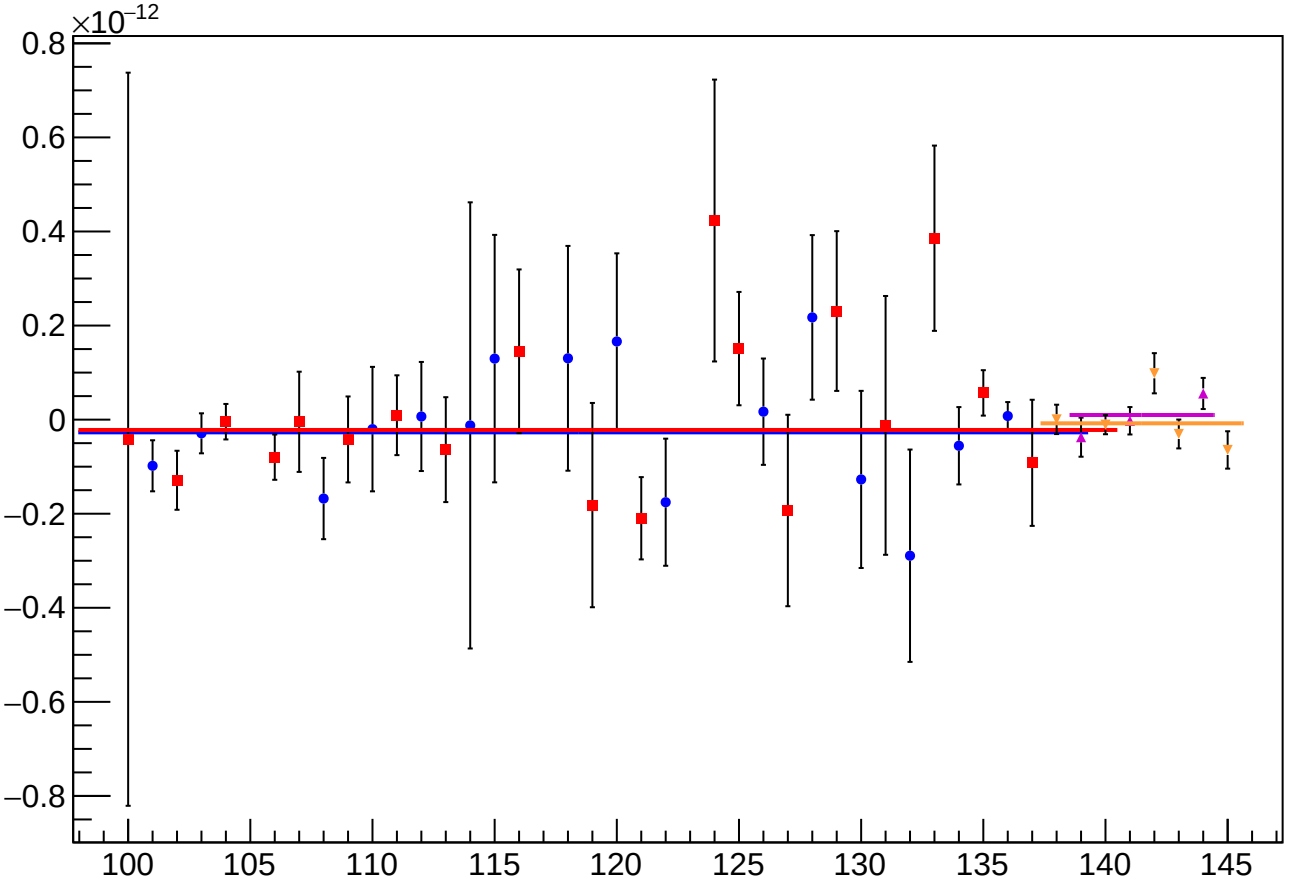
Left In: 2052.761+/-0.896 χ^2/NDF:7626.6/2

+ sign 1966.663+/-0.428 χ^2/NDF: 684035.4/20

All: 1949.628+/-0.305 χ^2/NDF: 939276.7/42

- sign 1931.894+/-0.436 χ^2/NDF: 252002.8/21

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/4

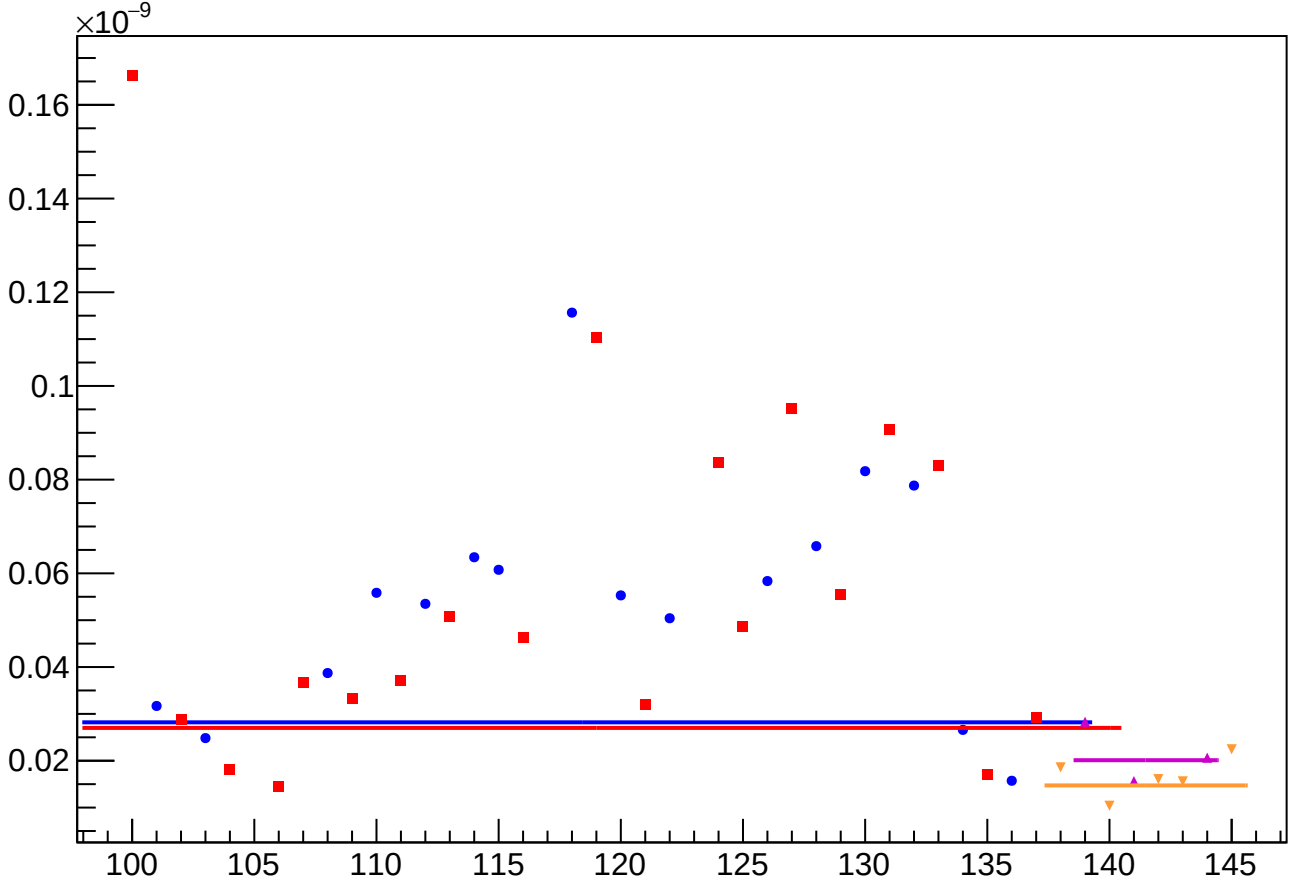
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/20

All: -0.000+/-0.000 χ^2/NDF: 52.6/42

- sign -0.000+/-0.000 χ^2/NDF: 30.1/21



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

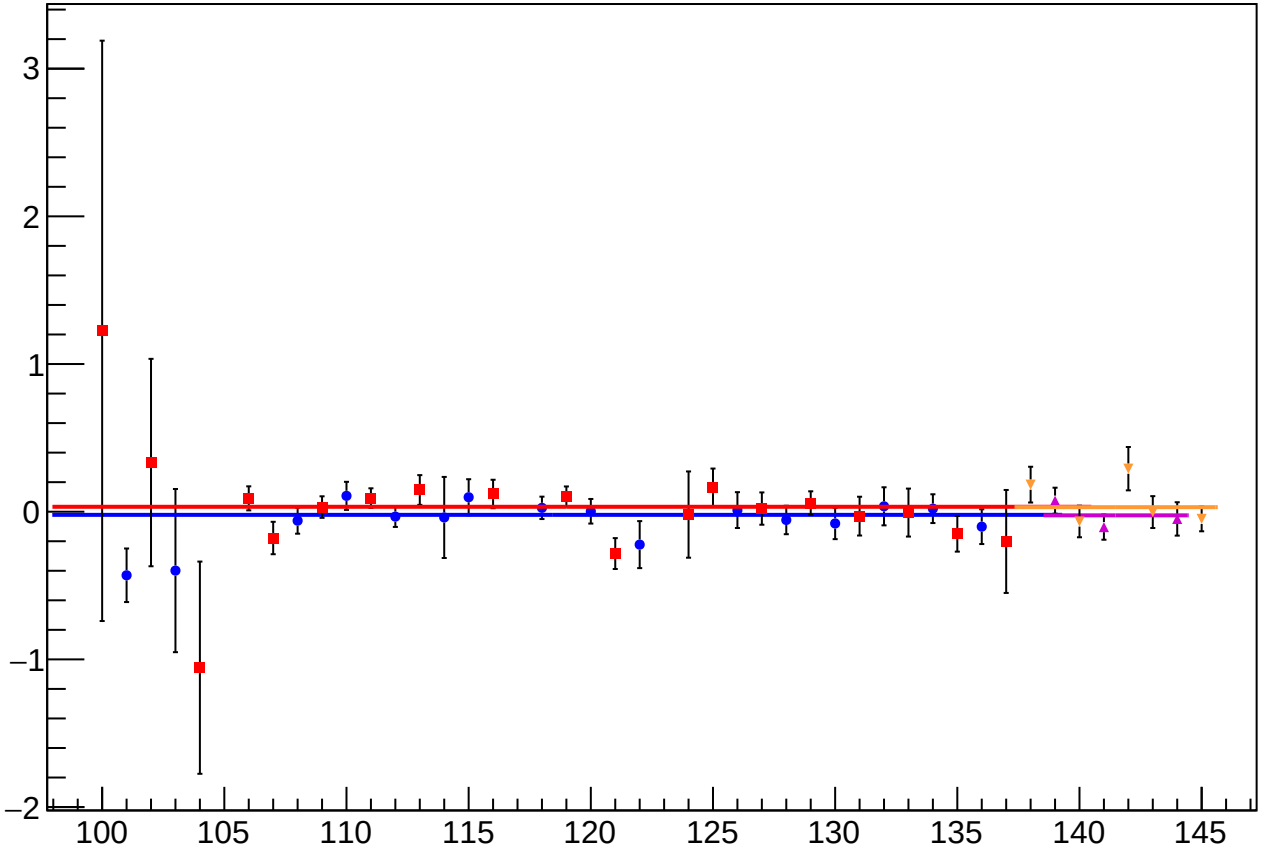
Left In: 0.000+/-0.000 χ^2/NDF:125228.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 2359048.0/20

All: 0.000+/-0.000 χ^2/NDF: 4297748.3/42

- sign 0.000+/-0.000 χ^2/NDF: 1808261.4/21

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

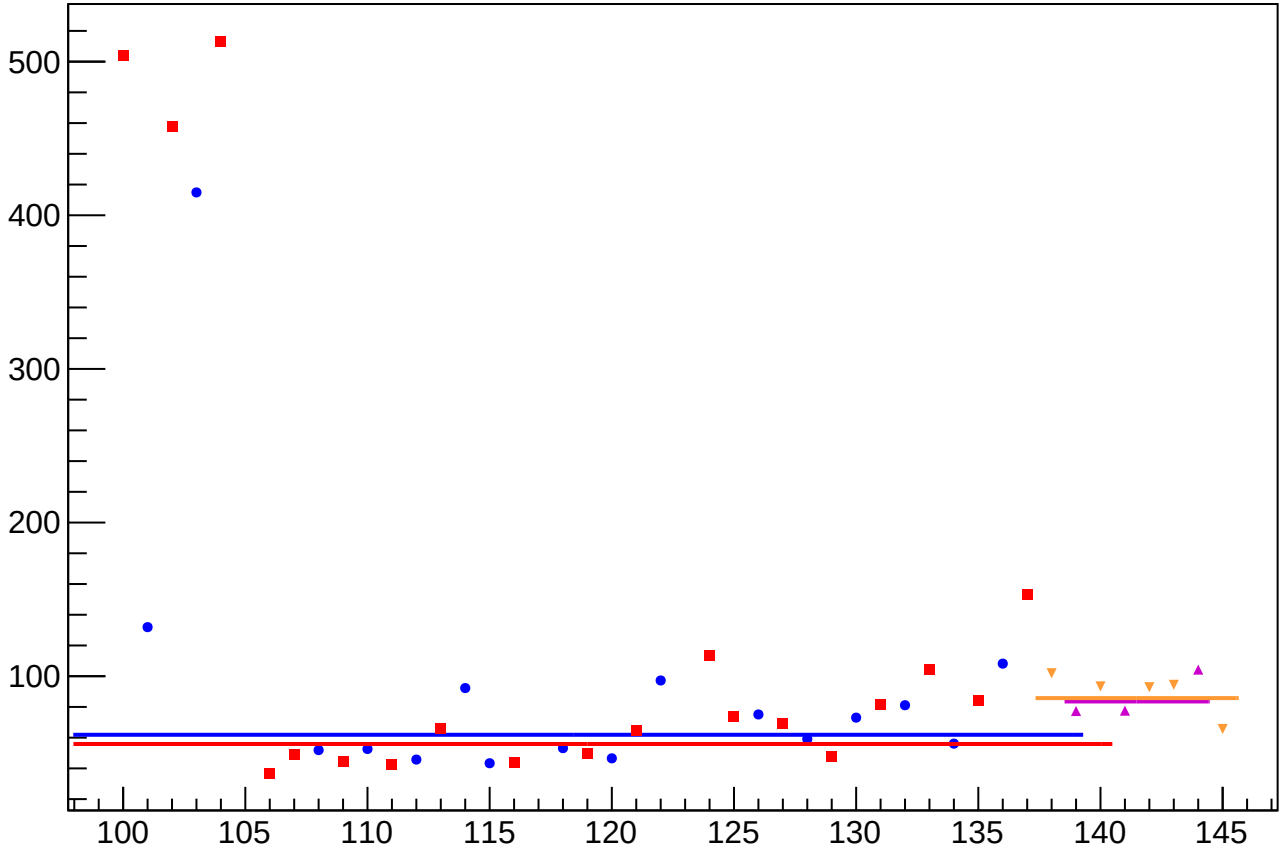
Left In: -0.025+/-0.054 χ^2/NDF:2.2/2

+ sign -0.009+/-0.023 χ^2/NDF: 19.4/20

All: 0.008+/-0.016 χ^2/NDF: 48.0/42

- sign 0.023+/-0.022 χ^2/NDF: 27.5/21

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

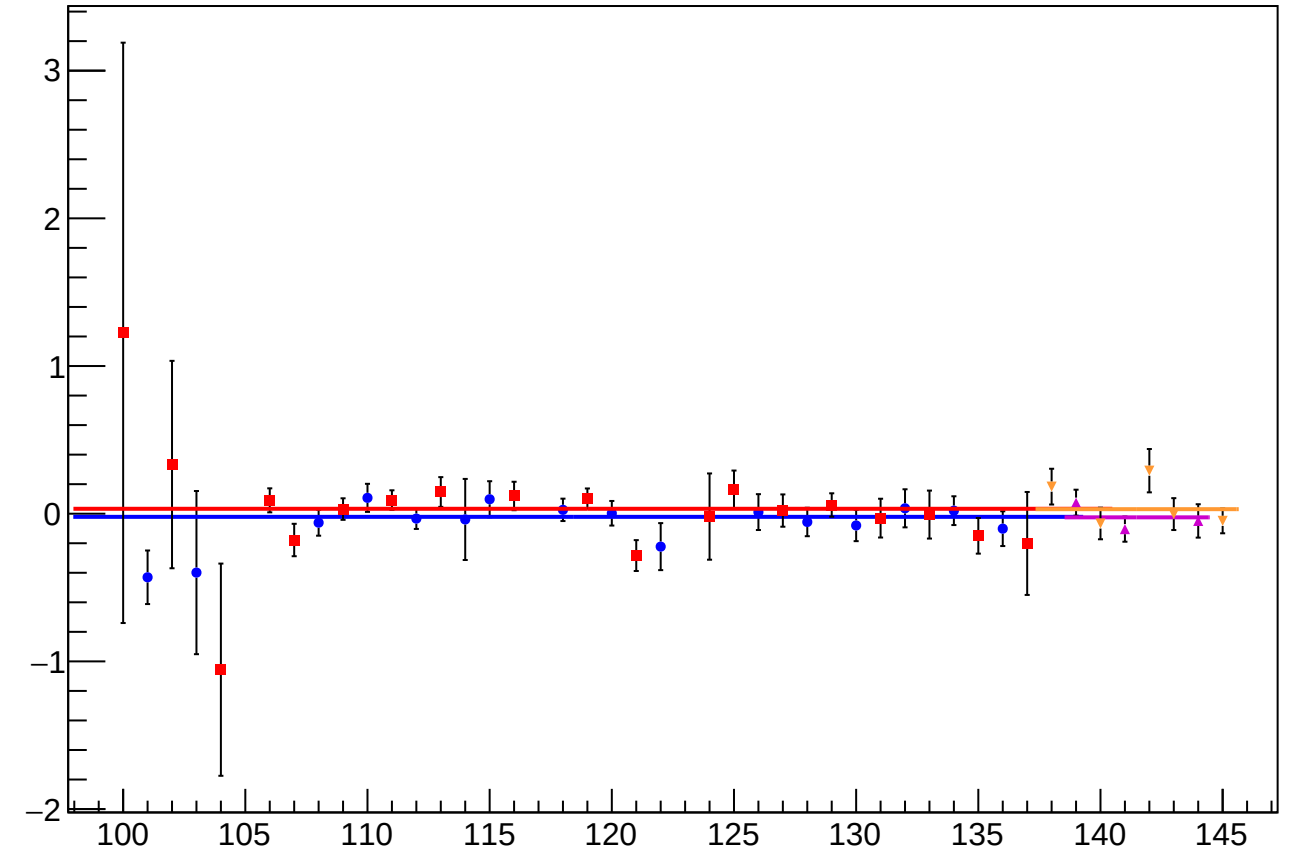
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 83.559+/-0.038 χ^2/NDF:87090.7/2

+ sign 67.423+/-0.016 χ^2/NDF: 2490843.0/20

All: 63.909+/-0.011 χ^2/NDF: 5694246.8/42

- sign 60.663+/-0.016 χ^2/NDF: 3115651.2/21



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

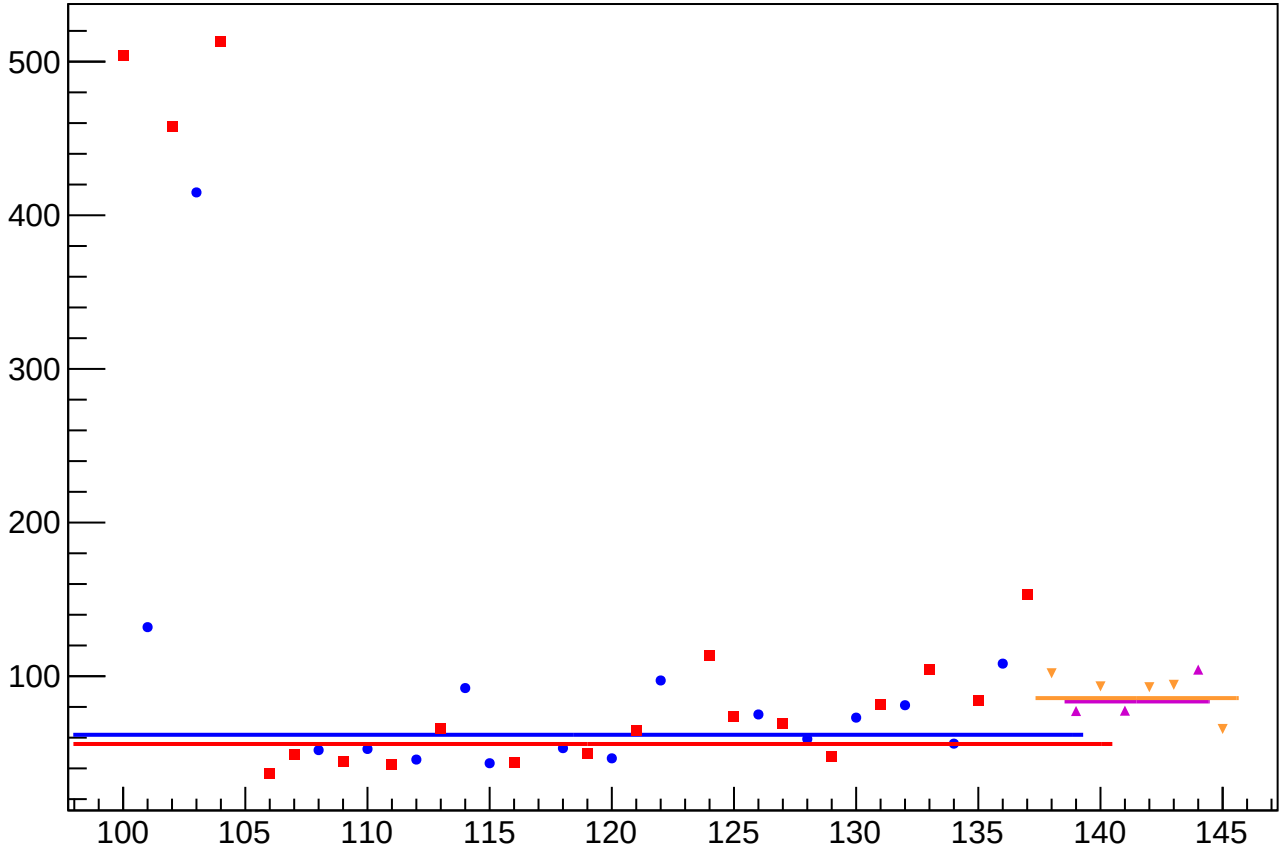
Left In: -0.025+/-0.054 χ^2/NDF:2.2/2

+ sign -0.009+/-0.023 χ^2/NDF: 19.4/20

All: 0.008+/-0.016 χ^2/NDF: 48.0/42

- sign 0.023+/-0.022 χ^2/NDF: 27.5/21

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

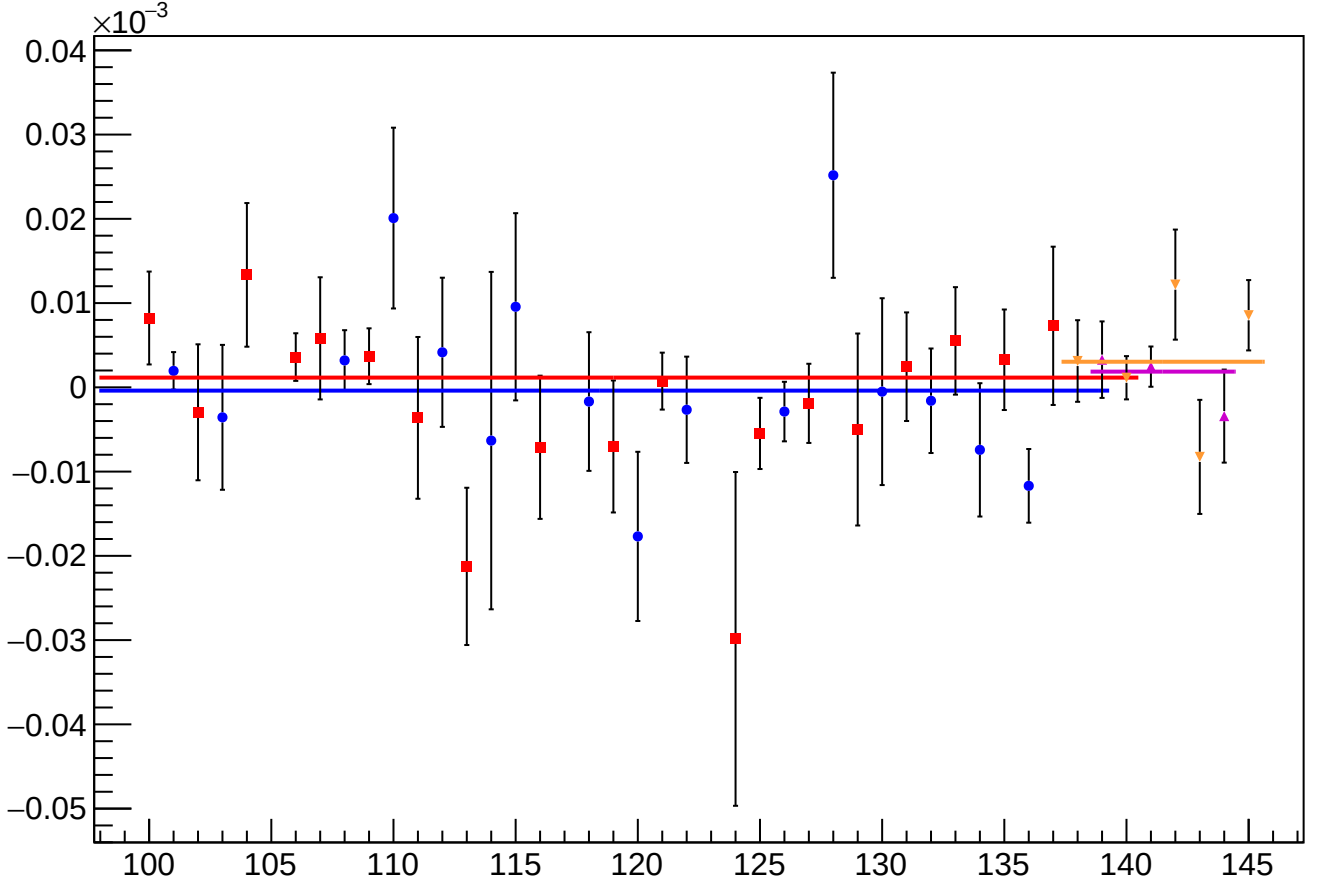
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 83.559+/-0.038 χ^2/NDF:87090.7/2

+ sign 67.423+/-0.016 χ^2/NDF: 2490843.0/20

All: 63.909+/-0.011 χ^2/NDF: 5694246.8/42

- sign 60.663+/-0.016 χ^2/NDF: 3115651.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/4

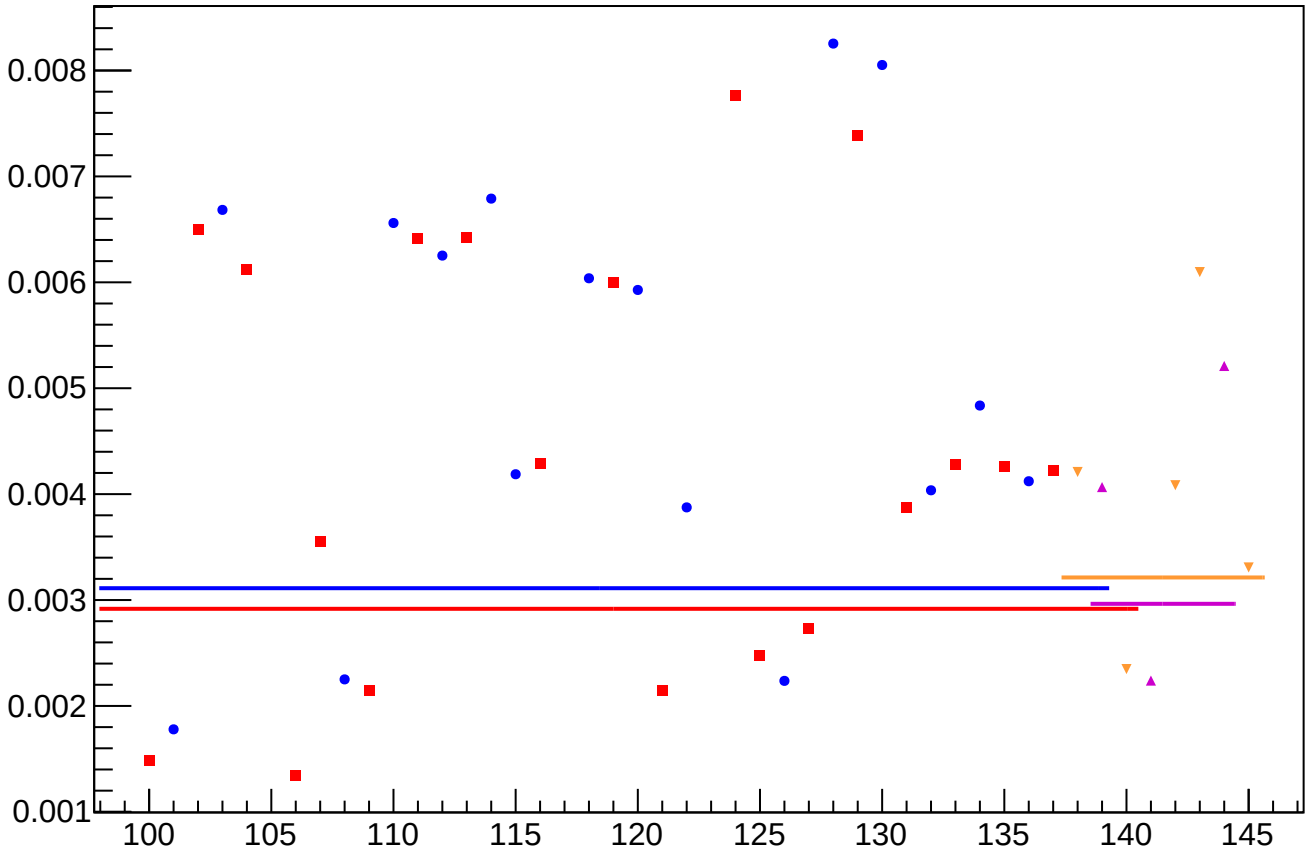
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 31.9/20

All: 0.000+/-0.000 χ^2/NDF: 53.7/42

- sign 0.000+/-0.000 χ^2/NDF: 21.6/21



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:711002.5/4

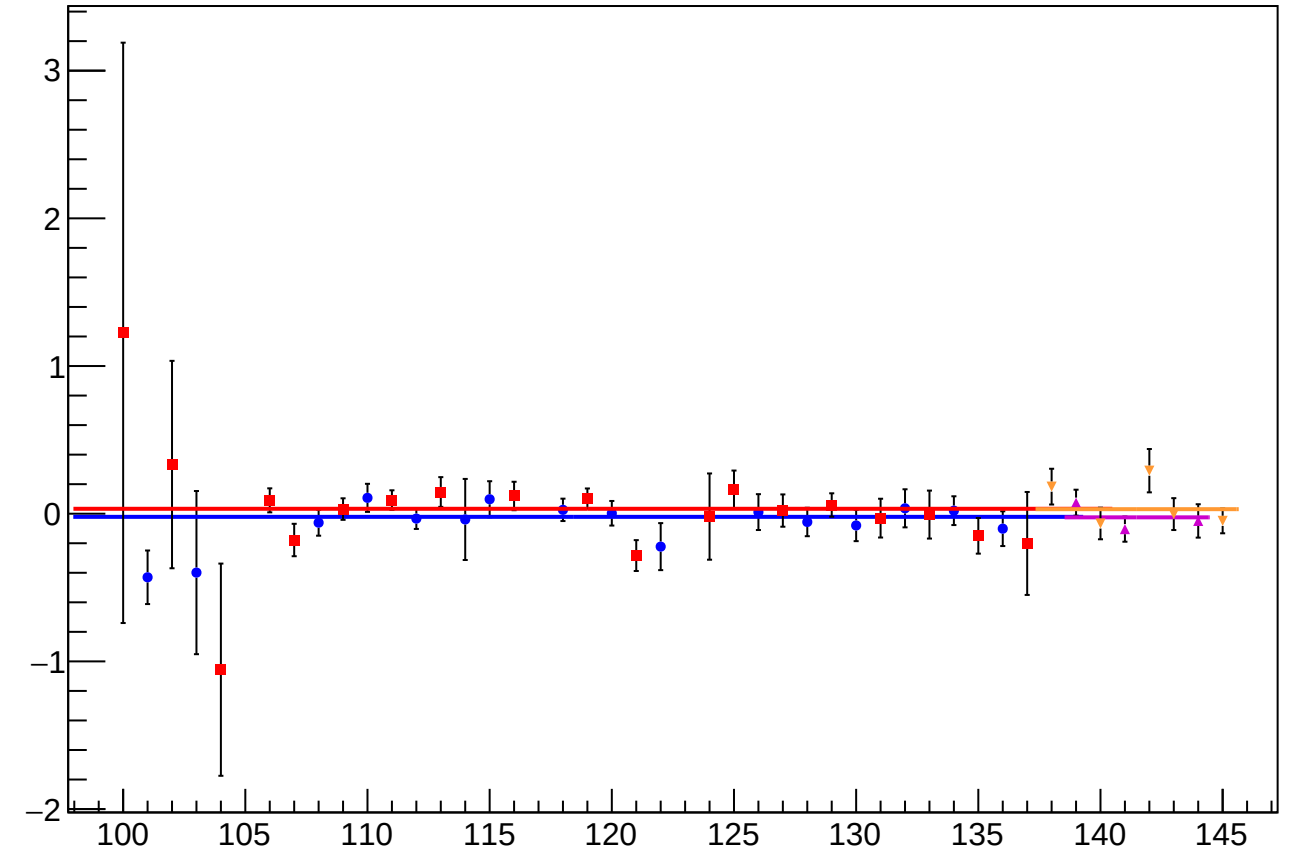
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.003+/-0.000 χ^2/NDF:633022.9/2

+ sign 0.003+/-0.000 χ^2/NDF: 3998914.3/20

All: 0.003+/-0.000 χ^2/NDF: 7969182.4/42

- sign 0.003+/-0.000 χ^2/NDF: 3929341.8/21



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

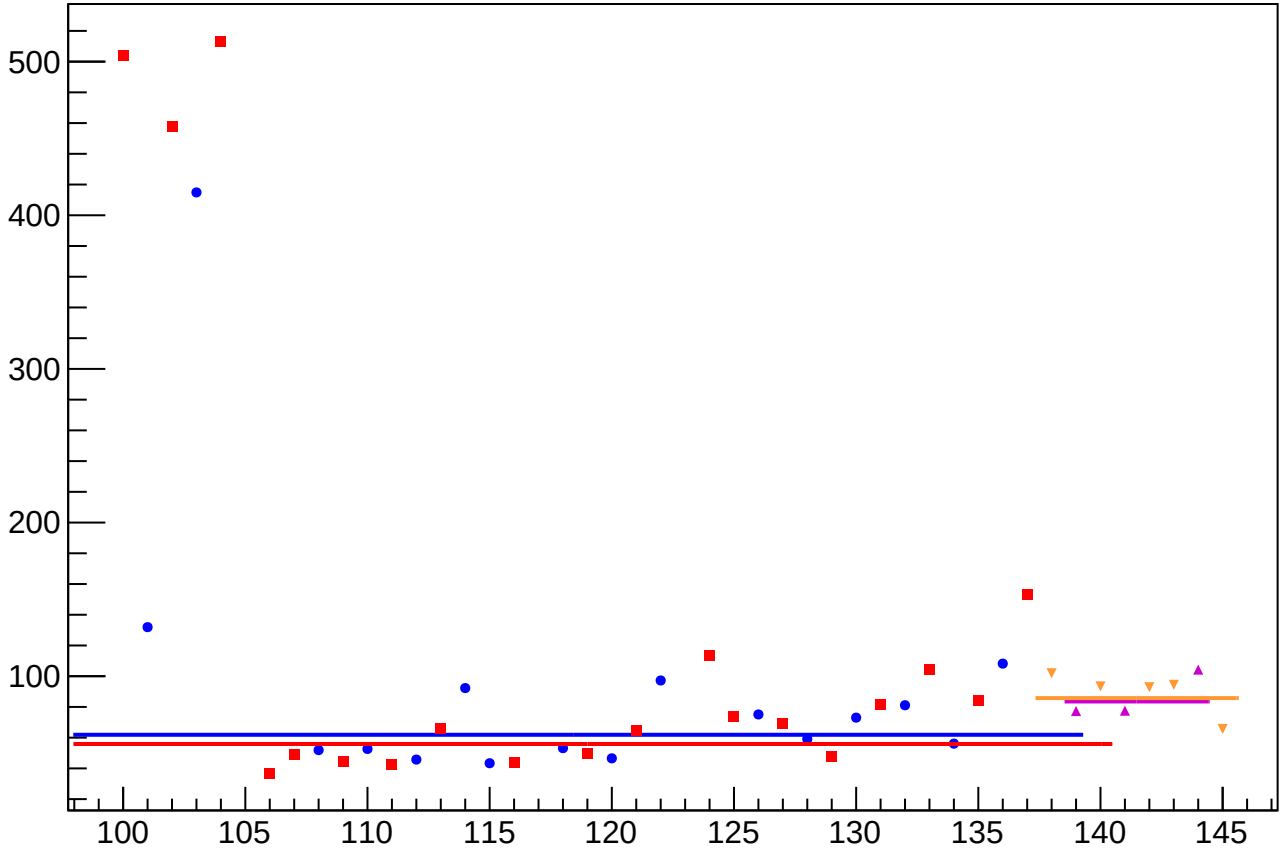
Left In: -0.025+/-0.054 χ^2/NDF:2.2/2

+ sign -0.009+/-0.023 χ^2/NDF: 19.4/20

All: 0.008+/-0.016 χ^2/NDF: 48.0/42

- sign 0.023+/-0.022 χ^2/NDF: 27.5/21

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 85.749+/-0.034 χ^2/NDF:177383.1/4

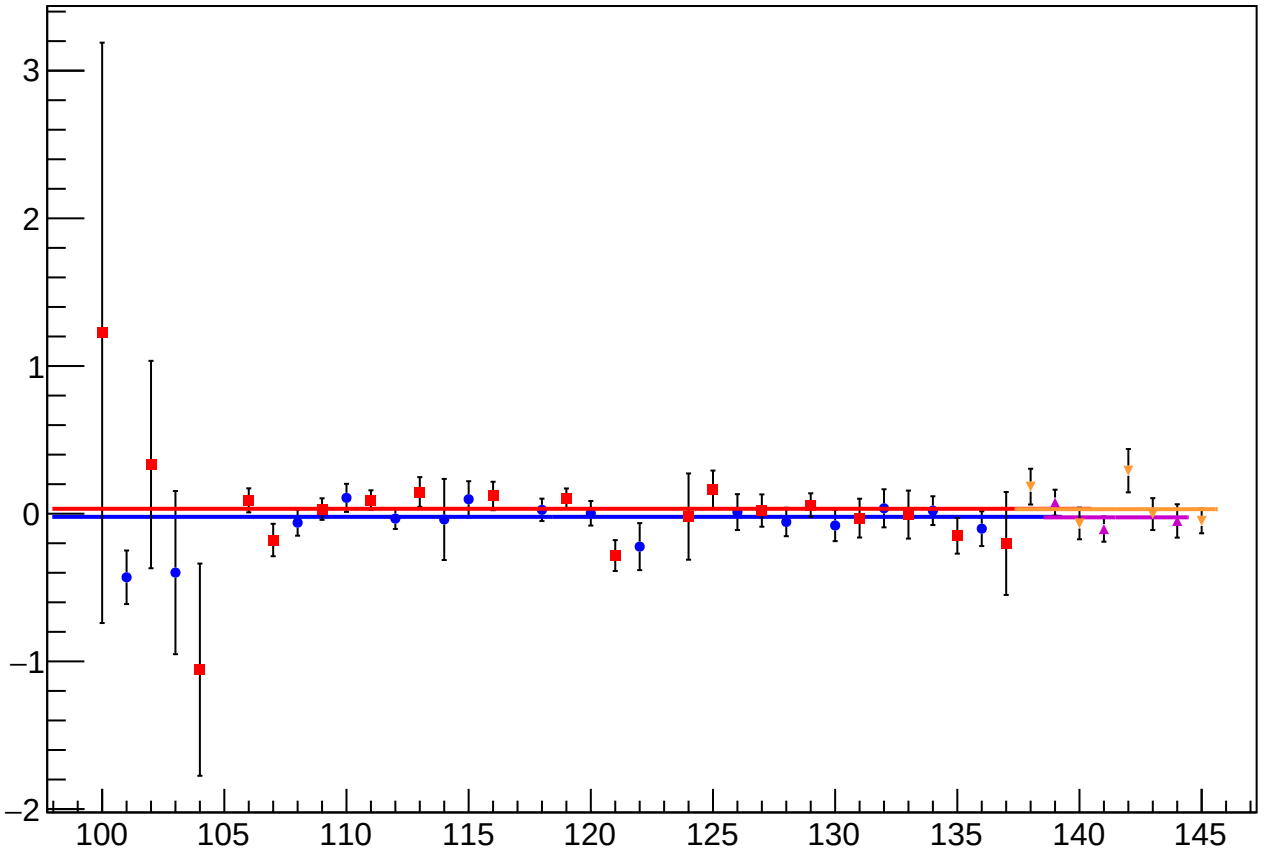
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 83.559+/-0.038 χ^2/NDF:87092.7/2

+ sign 67.422+/-0.016 χ^2/NDF: 2490824.5/20

All: 63.908+/-0.011 χ^2/NDF: 5694227.4/42

- sign 60.662+/-0.016 χ^2/NDF: 3115645.3/21



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.031+/-0.048 χ^2/NDF:6.5/4

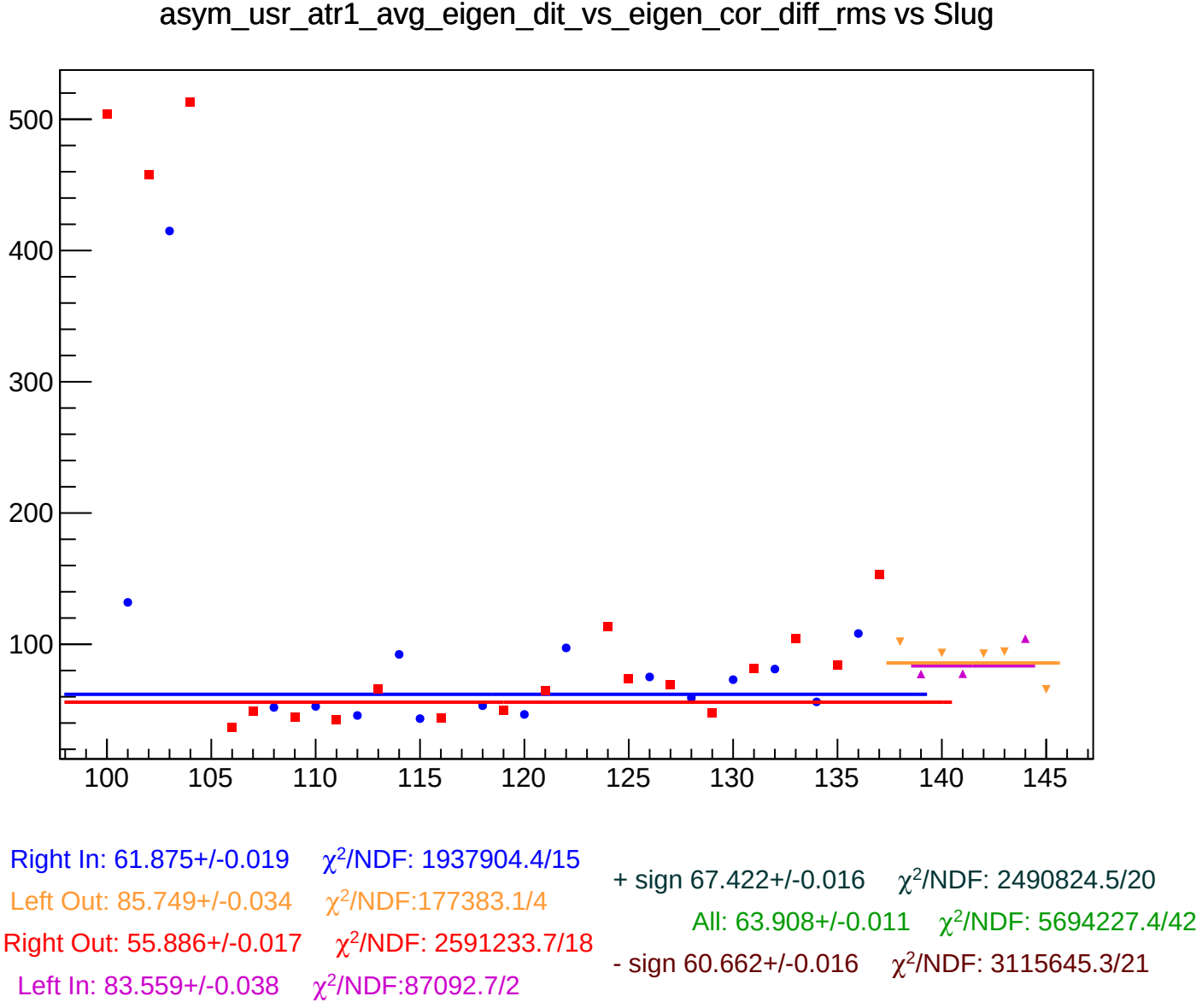
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

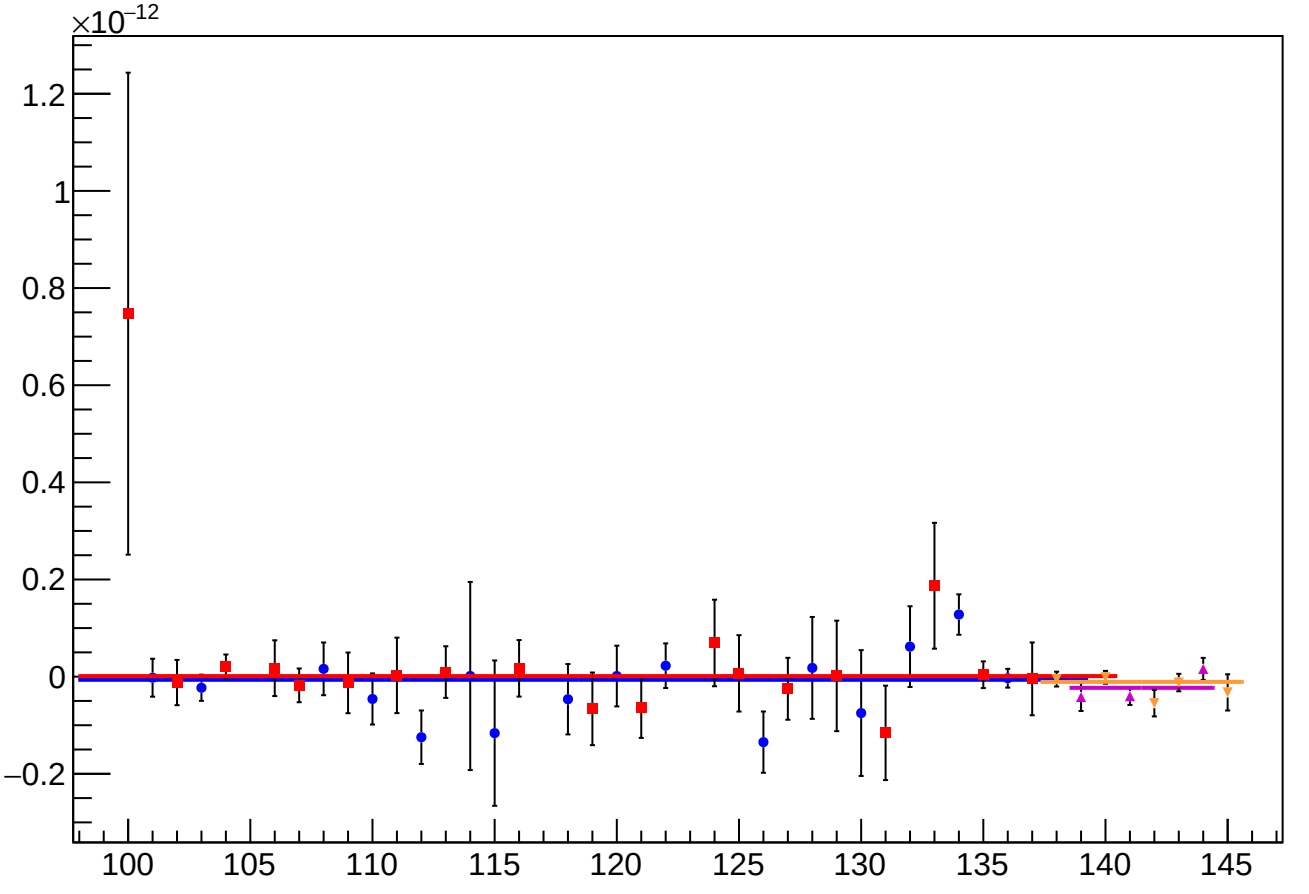
Left In: -0.025+/-0.054 χ^2/NDF:2.2/2

\+ sign -0.009+/-0.023 χ^2/NDF: 19.4/20

All: 0.008+/-0.016 χ^2/NDF: 48.0/42

\- sign 0.023+/-0.022 χ^2/NDF: 27.5/21


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
105
110
115
120
125
130
135
140
145
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 85.749+/-0.034 χ²/NDF:177383.1/4
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 83.559+/-0.038 χ²/NDF:87092.7/2
+ sign 67.422+/-0.016 χ²/NDF: 2490824.5/20
All: 63.908+/-0.011 χ²/NDF: 5694227.4/42
- sign 60.662+/-0.016 χ²/NDF: 3115645.3/21



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

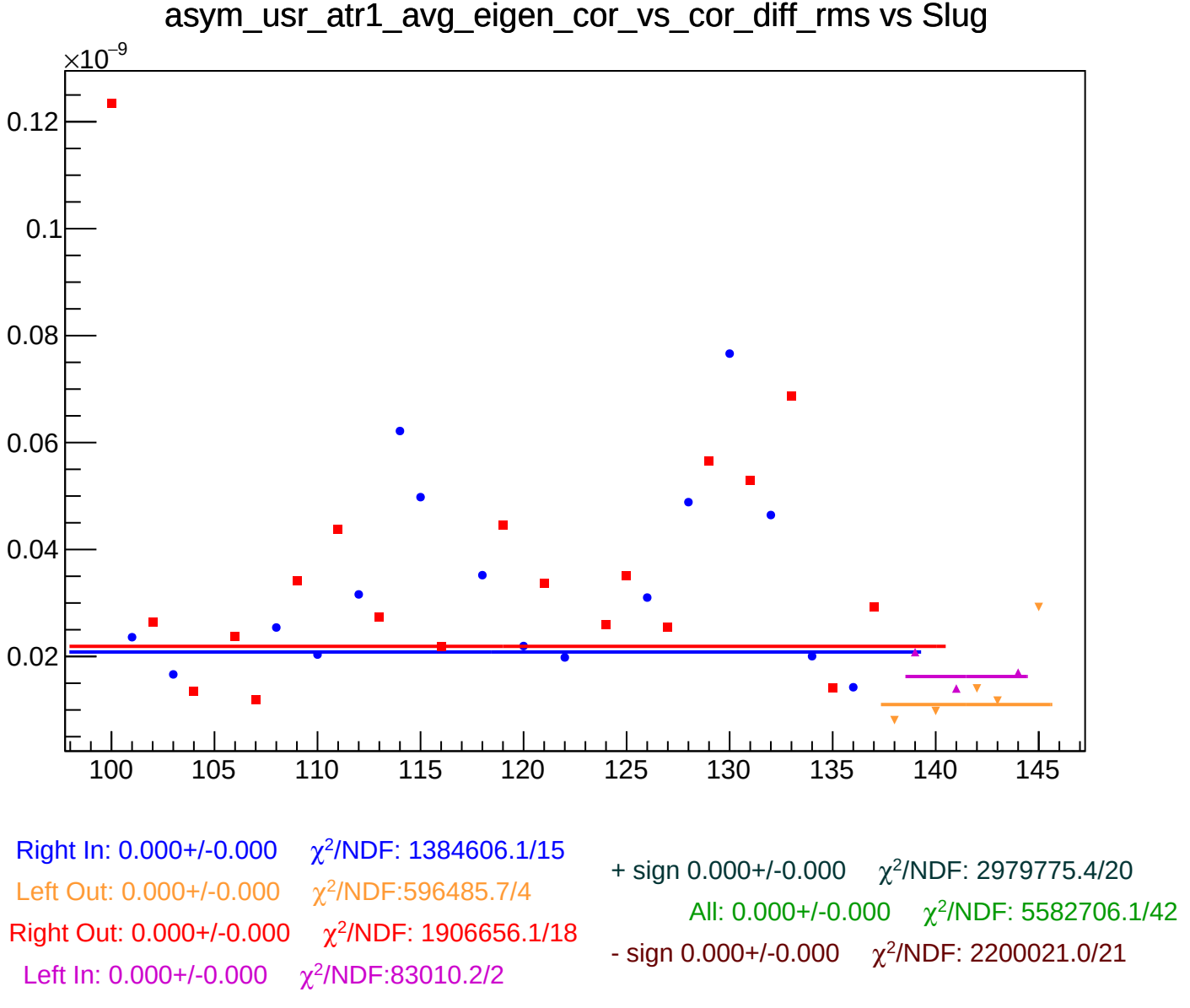
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/2

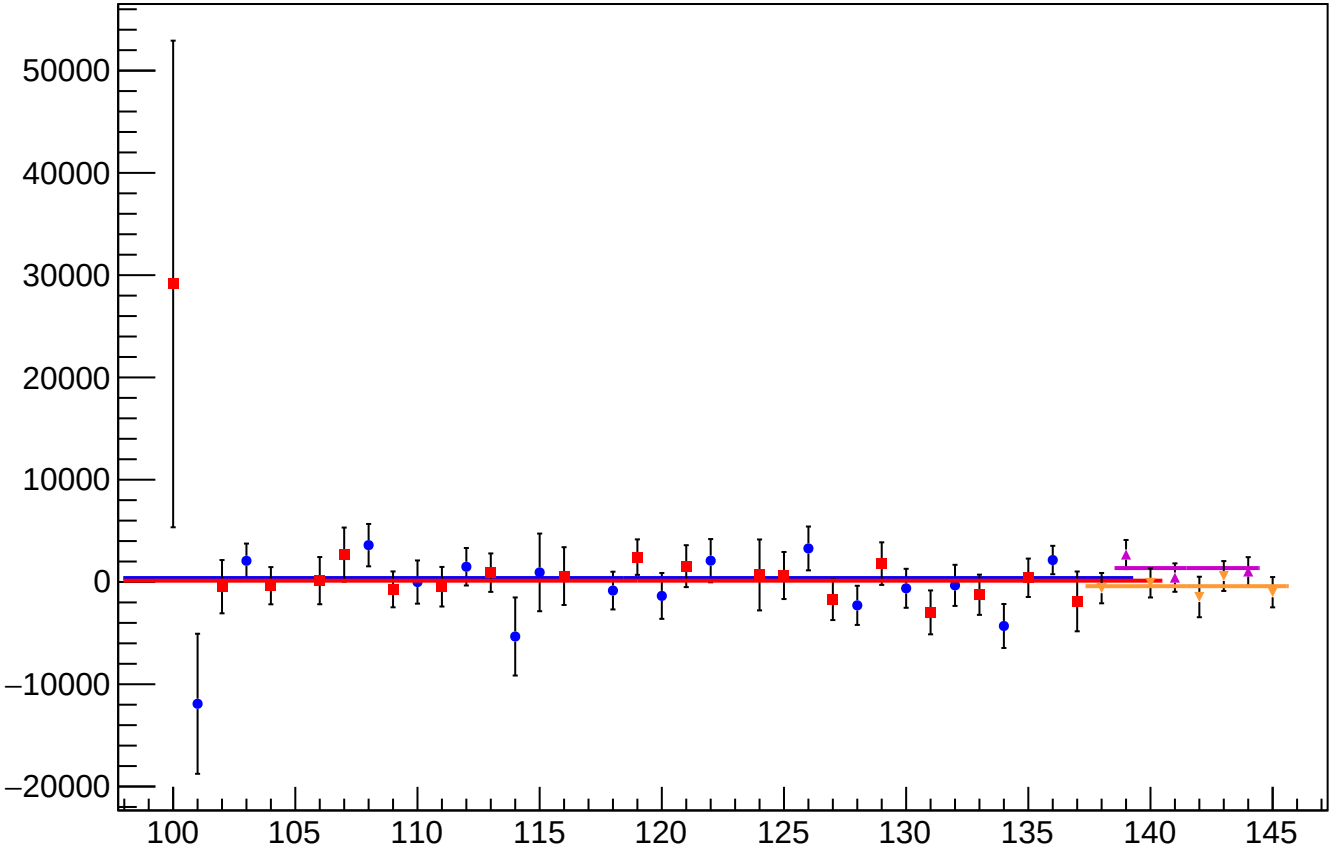
+ sign -0.000+/-0.000 χ^2/NDF: 26.3/20

All: -0.000+/-0.000 χ^2/NDF: 42.2/42

- sign -0.000+/-0.000 χ^2/NDF: 15.9/21


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:596485.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:83010.2/2
+ sign 0.000+/-0.000 χ²/NDF: 2979775.4/20
All: 0.000+/-0.000 χ²/NDF: 5582706.1/42
- sign 0.000+/-0.000 χ²/NDF: 2200021.0/21

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

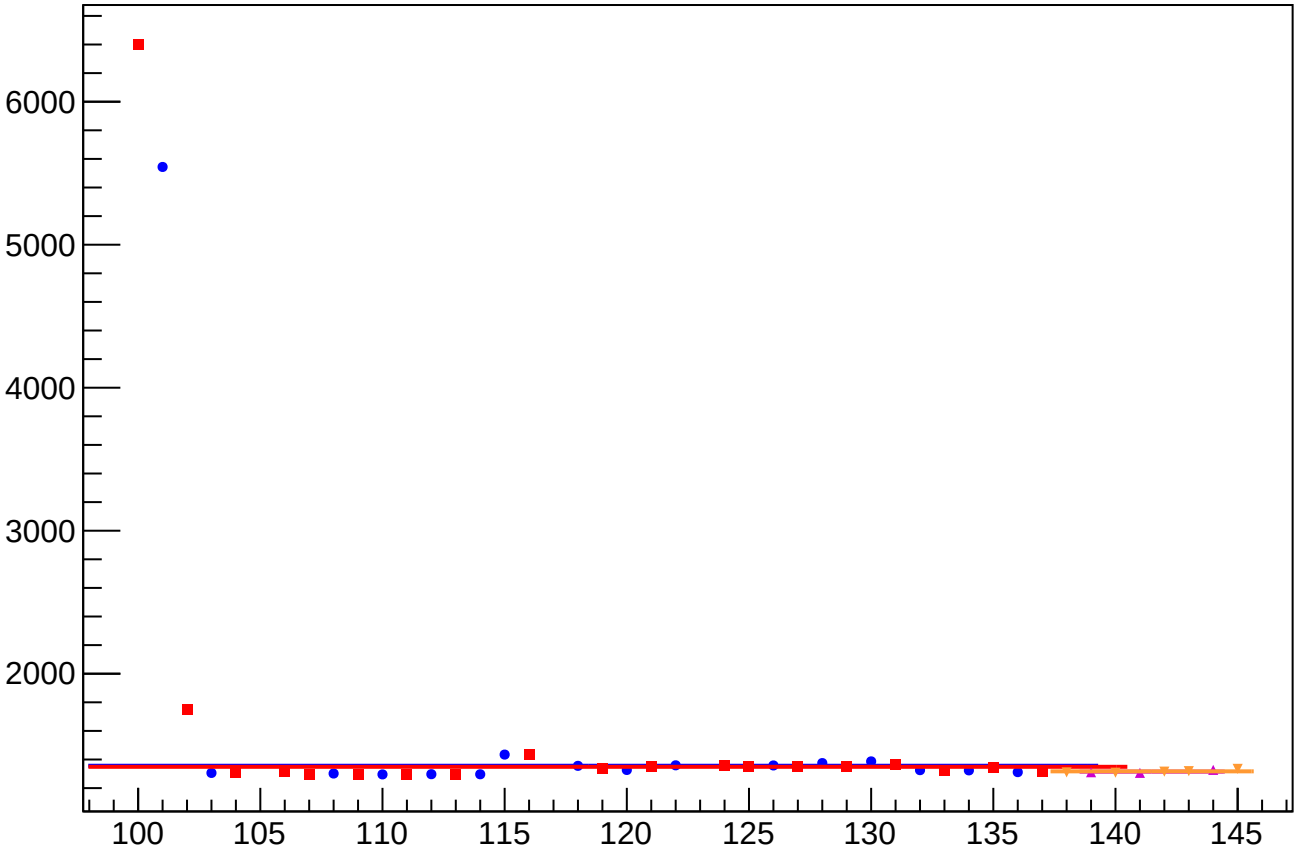
Left In: 1359.281+/-810.639 χ^2/NDF:1.4/2

+ sign 93.451+/-413.151 χ^2/NDF: 23.3/20

All: 275.039+/-296.637 χ^2/NDF: 36.8/42

- sign 468.253+/-426.169 χ^2/NDF: 13.0/21

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

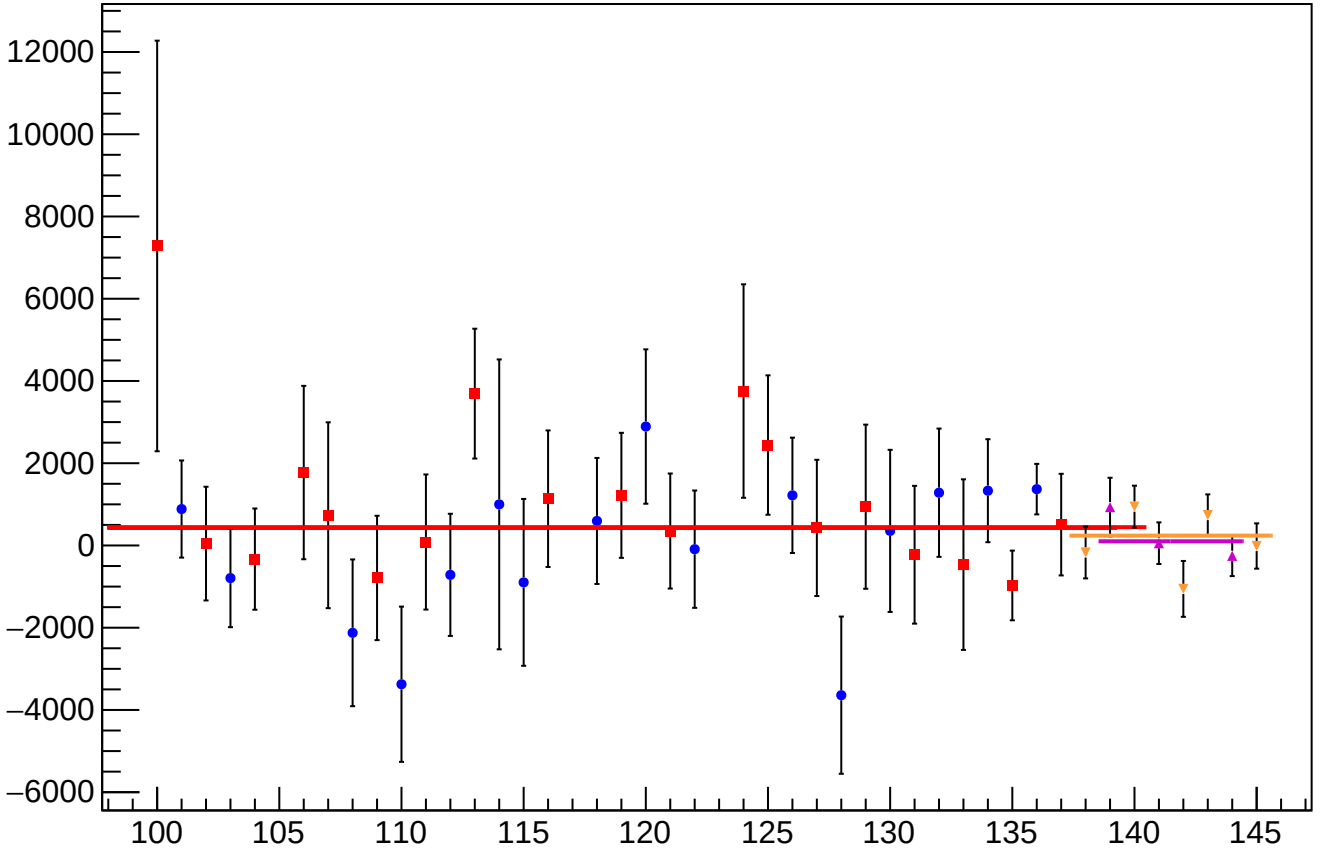
Left In: 1315.150+/-0.573 χ^2/NDF:248.9/2

+ sign 1342.184+/-0.292 χ^2/NDF: 764826.5/20

All: 1340.945+/-0.210 χ^2/NDF: 914897.8/42

- sign 1339.626+/-0.301 χ^2/NDF: 150034.1/21

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

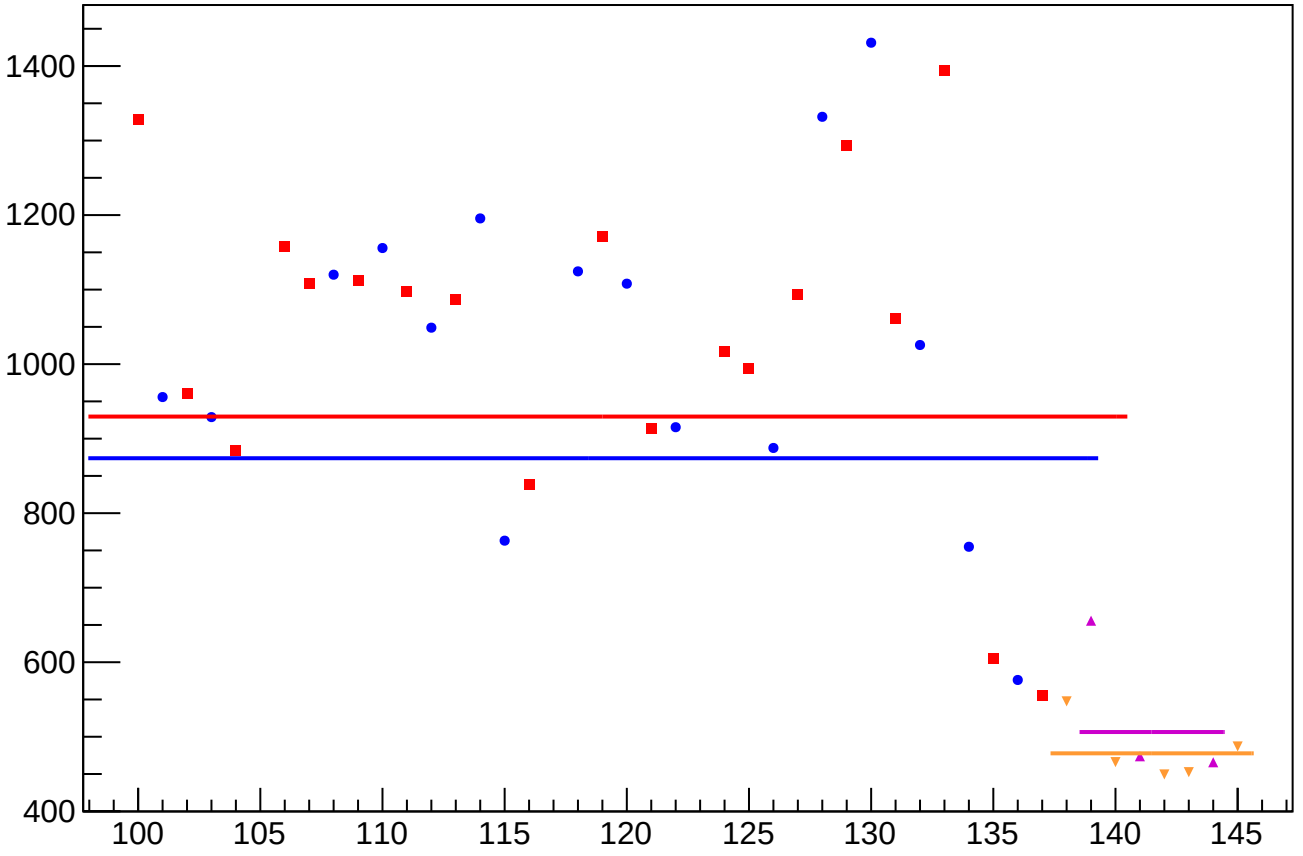
Left In: 101.694+/-316.504 χ^2/NDF:1.9/2

\+ sign 307.475+/-201.998 χ^2/NDF: 25.6/20

All: 284.594+/-153.576 χ^2/NDF: 42.4/42

\- sign 253.250+/-236.419 χ^2/NDF: 16.8/21

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

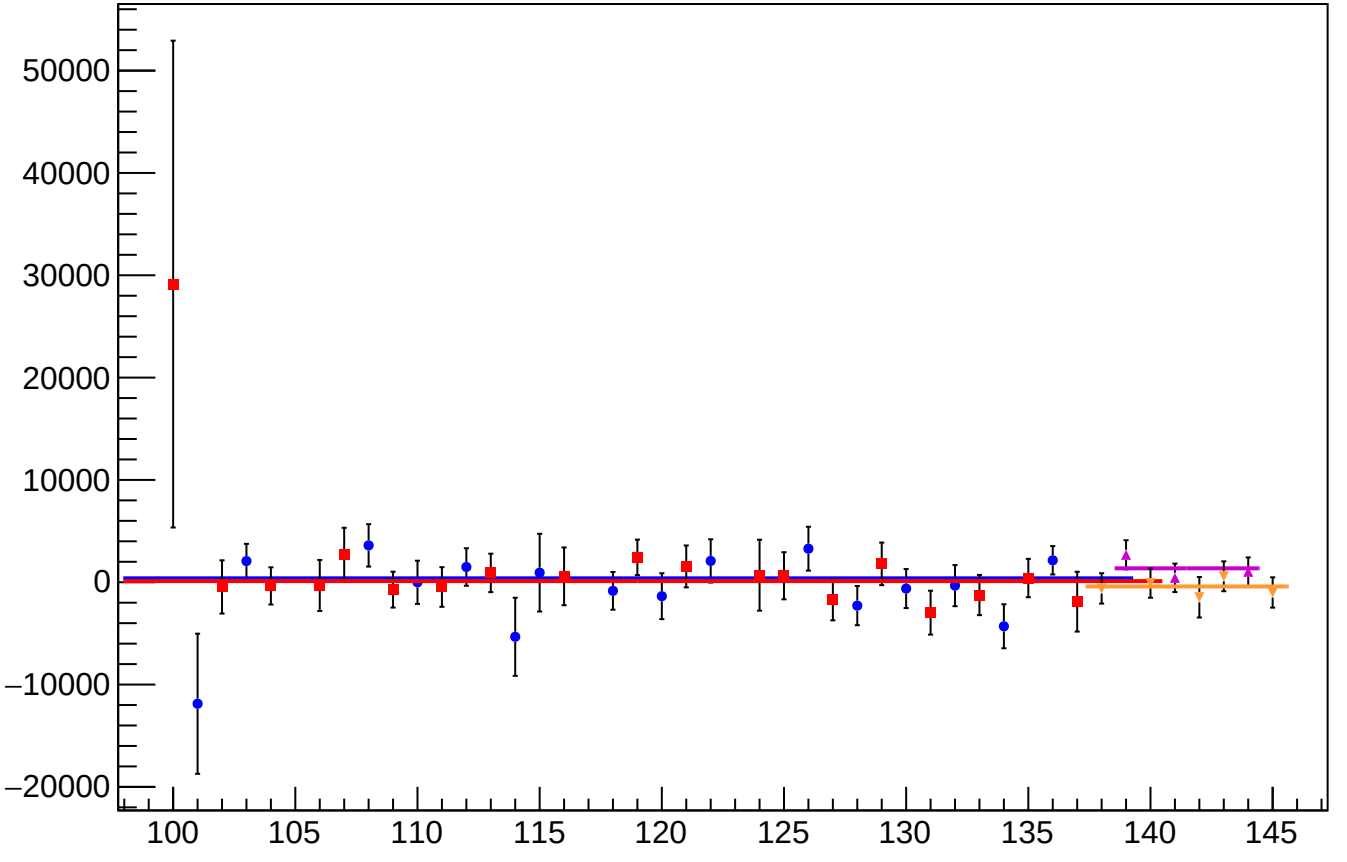
Left In: 506.334+/-0.224 χ^2/NDF:109606.0/2

+ sign 618.783+/-0.143 χ^2/NDF: 2812199.5/20

All: 650.289+/-0.109 χ^2/NDF: 5478406.8/42

- sign 693.448+/-0.167 χ^2/NDF: 2550902.0/21

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

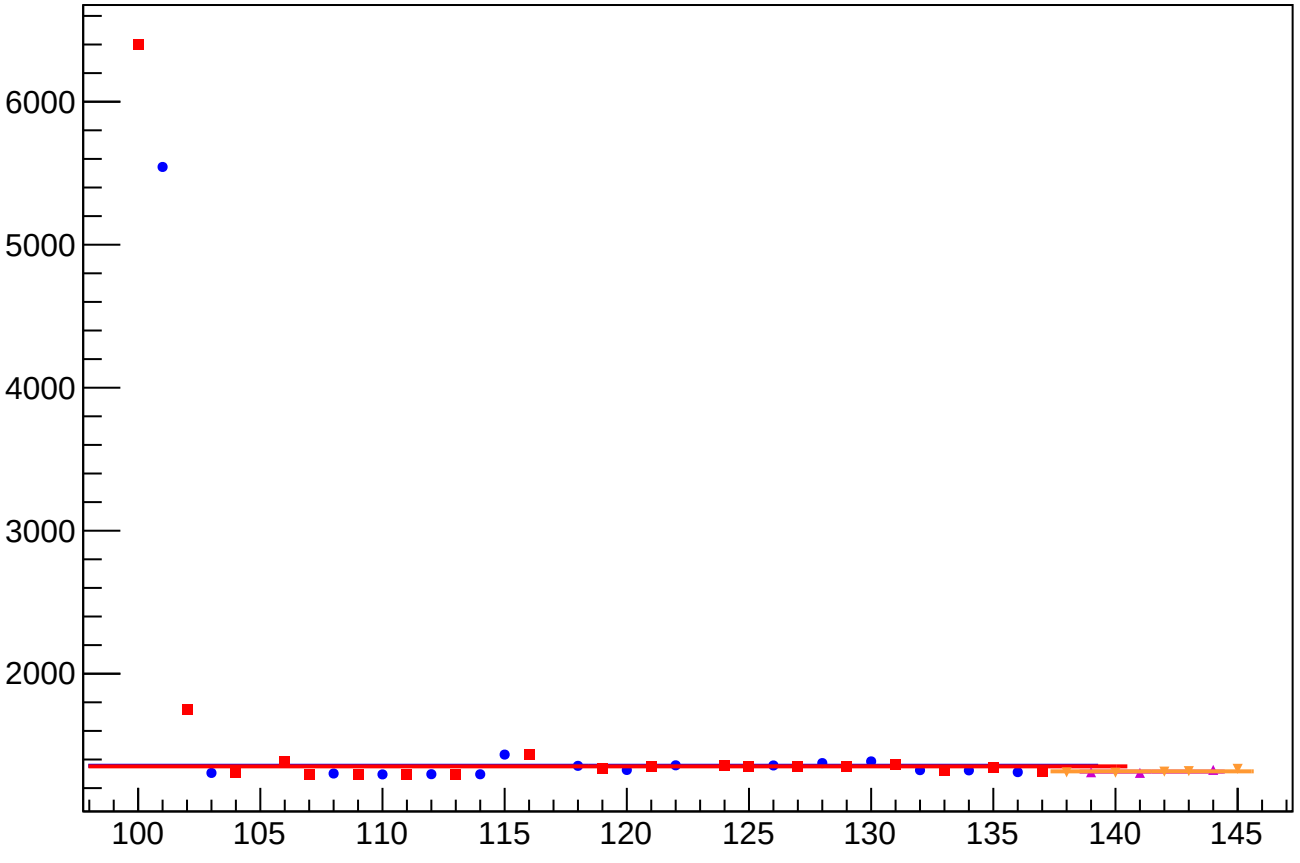
Left In: 1359.413+/-810.639 χ^2/NDF:1.4/2

+ sign 93.583+/-413.151 χ^2/NDF: 23.3/20

All: 269.317+/-296.991 χ^2/NDF: 36.8/42

- sign 457.223+/-427.220 χ^2/NDF: 13.1/21

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

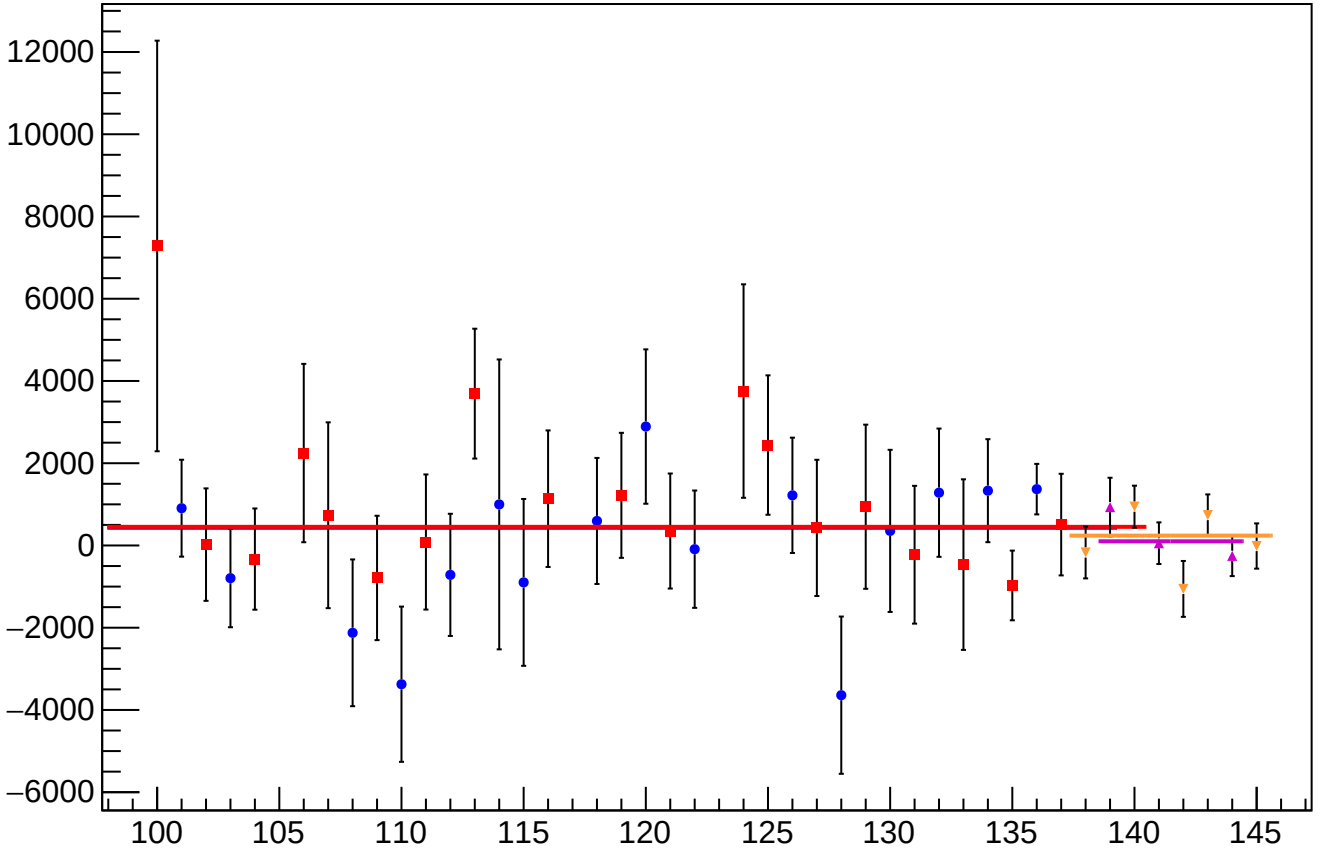
Left In: 1315.150+/-0.573 χ^2/NDF:248.9/2

\+ sign 1342.184+/-0.292 χ^2/NDF: 764825.6/20

All: 1342.011+/-0.210 χ^2/NDF: 915400.1/42

\- sign 1341.825+/-0.302 χ^2/NDF: 150573.8/21

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

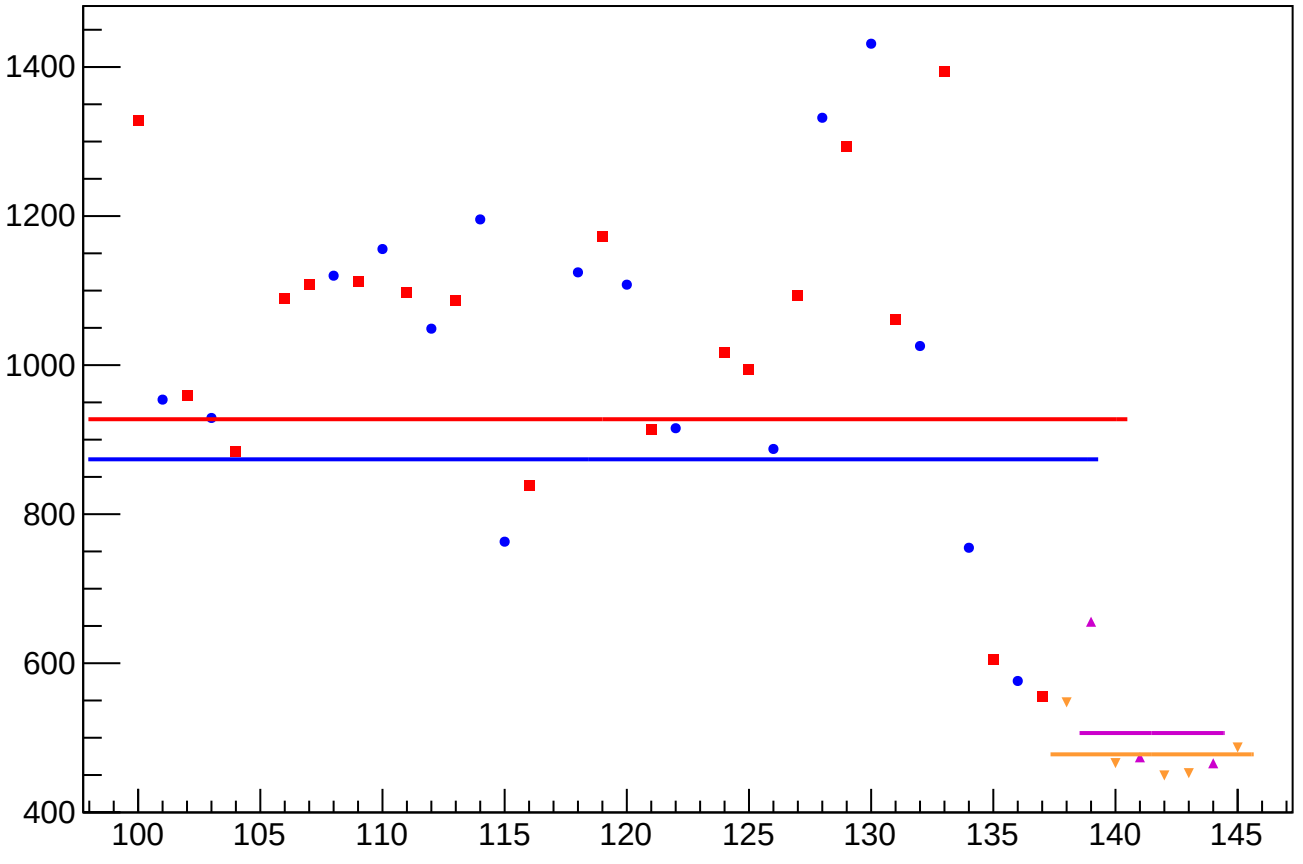
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 101.661+/-316.496 χ^2/NDF:1.9/2

+ sign 308.025+/-201.987 χ^2/NDF: 25.6/20

All: 286.485+/-153.571 χ^2/NDF: 42.8/42

- sign 256.975+/-236.417 χ^2/NDF: 17.1/21



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

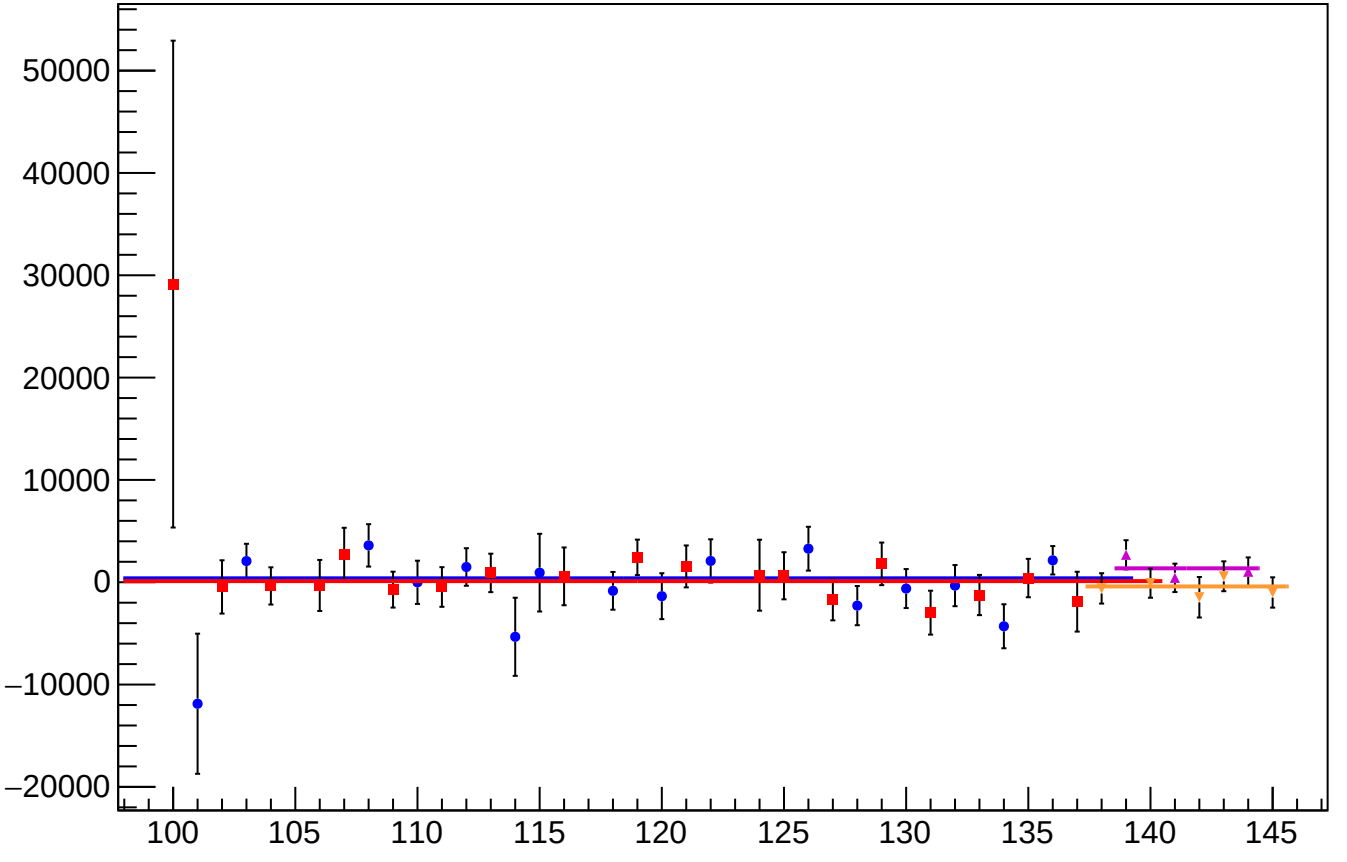
Left In: 506.321+/-0.224 χ^2/NDF:109599.6/2

+ sign 618.773+/-0.143 χ^2/NDF: 2810955.3/20

All: 649.859+/-0.109 χ^2/NDF: 5445058.2/42

- sign 692.448+/-0.167 χ^2/NDF: 2521828.4/21

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

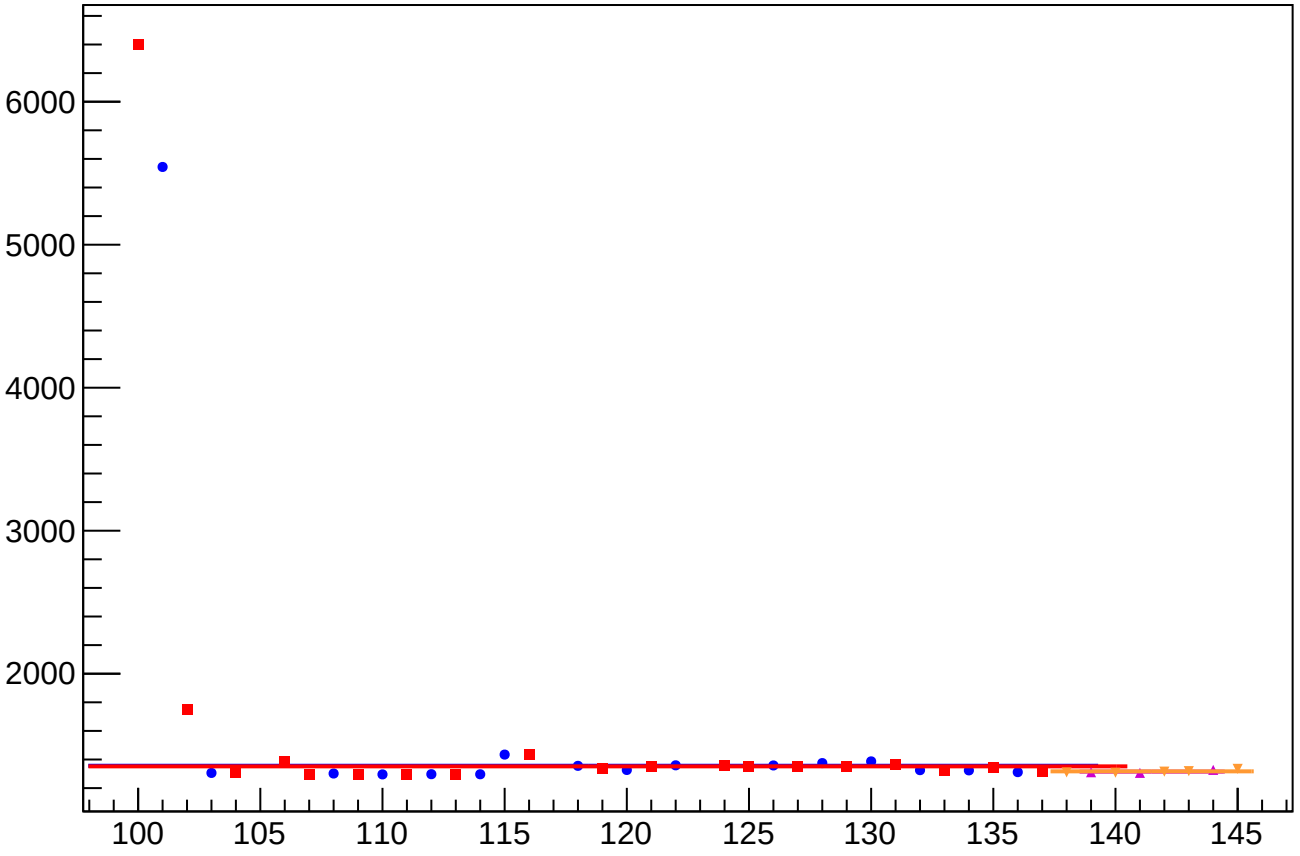
Left In: 1359.413+/-810.639 χ^2/NDF:1.4/2

+ sign 93.583+/-413.151 χ^2/NDF: 23.3/20

All: 269.317+/-296.991 χ^2/NDF: 36.8/42

- sign 457.223+/-427.220 χ^2/NDF: 13.1/21

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

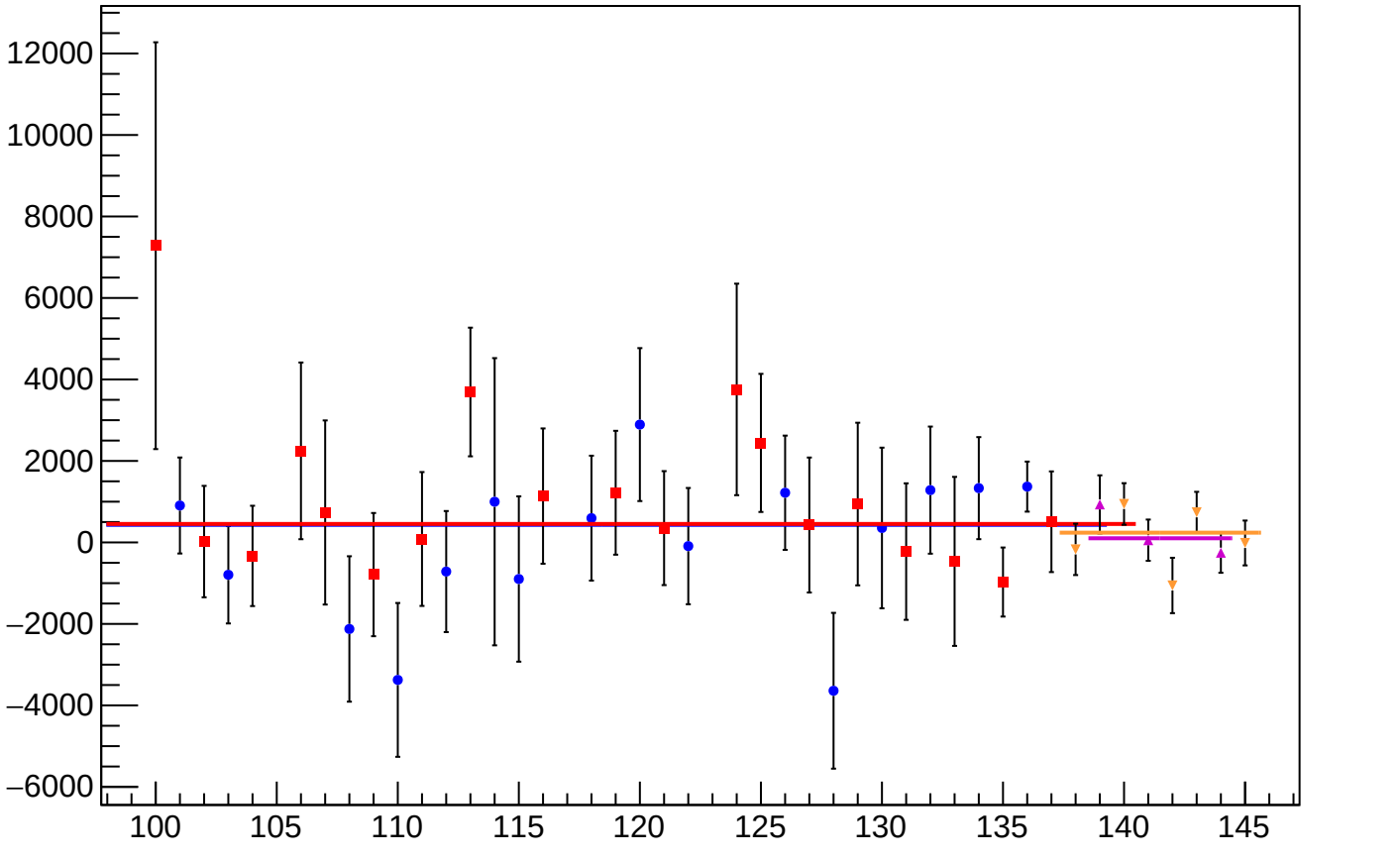
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.150+/-0.573 χ^2/NDF:248.9/2

+ sign 1342.184+/-0.292 χ^2/NDF: 764825.6/20

All: 1342.011+/-0.210 χ^2/NDF: 915400.1/42

- sign 1341.825+/-0.302 χ^2/NDF: 150573.8/21



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 239.336+/-251.752 χ^2/NDF:7.2/4

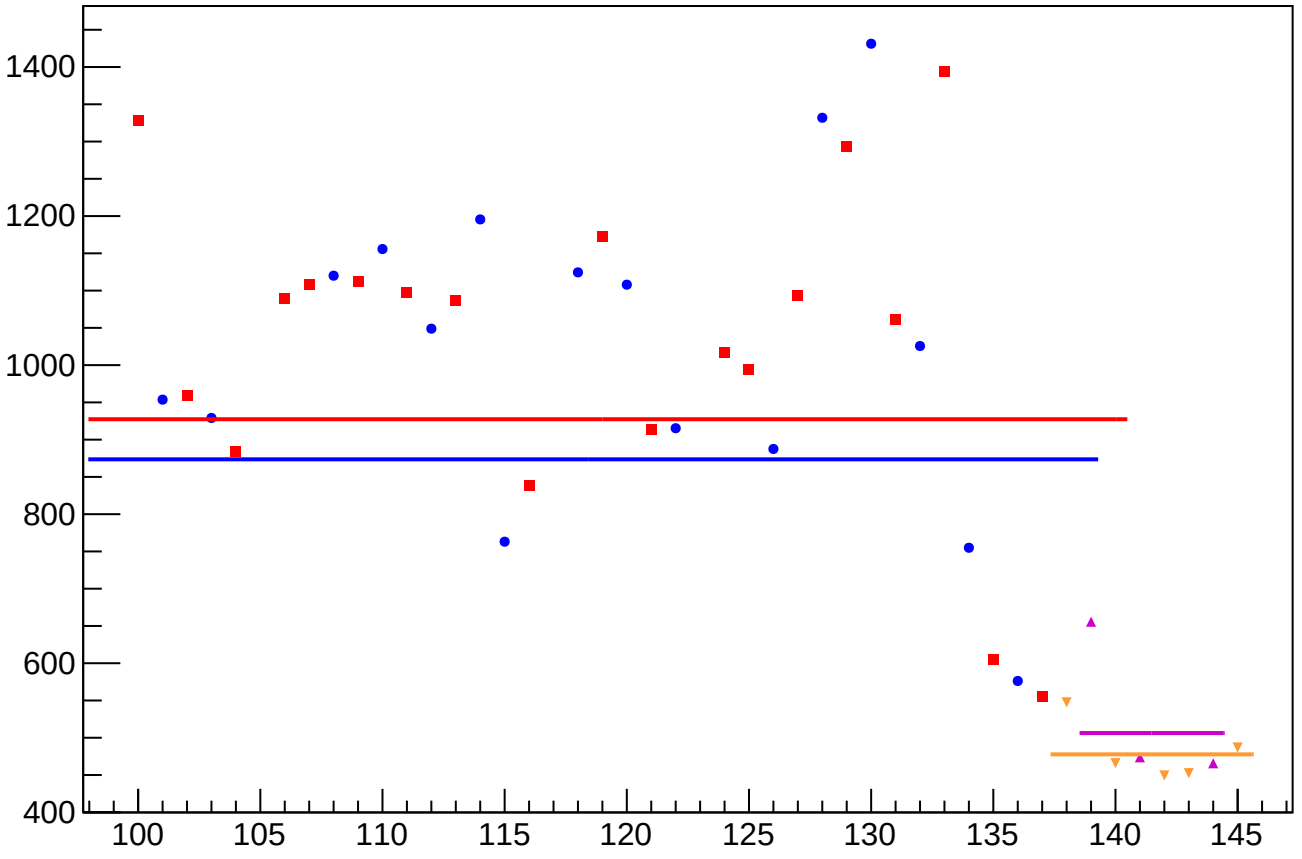
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 101.661+/-316.496 χ^2/NDF:1.9/2

+ sign 308.025+/-201.987 χ^2/NDF: 25.6/20

All: 286.485+/-153.571 χ^2/NDF: 42.8/42

- sign 256.975+/-236.417 χ^2/NDF: 17.1/21



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

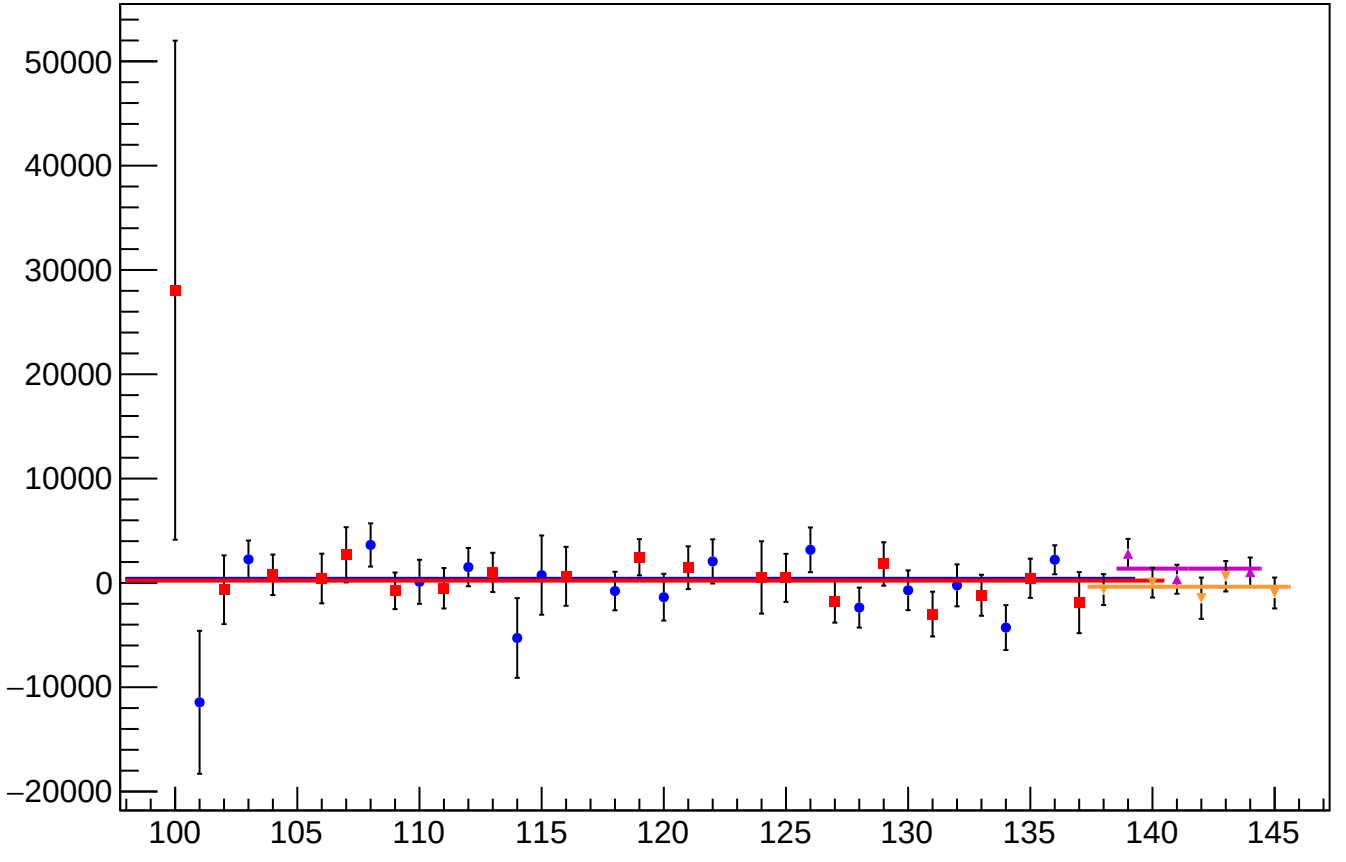
Left In: 506.321+/-0.224 χ^2/NDF:109599.6/2

+ sign 618.773+/-0.143 χ^2/NDF: 2810955.3/20

All: 649.859+/-0.109 χ^2/NDF: 5445058.2/42

- sign 692.448+/-0.167 χ^2/NDF: 2521828.4/21

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

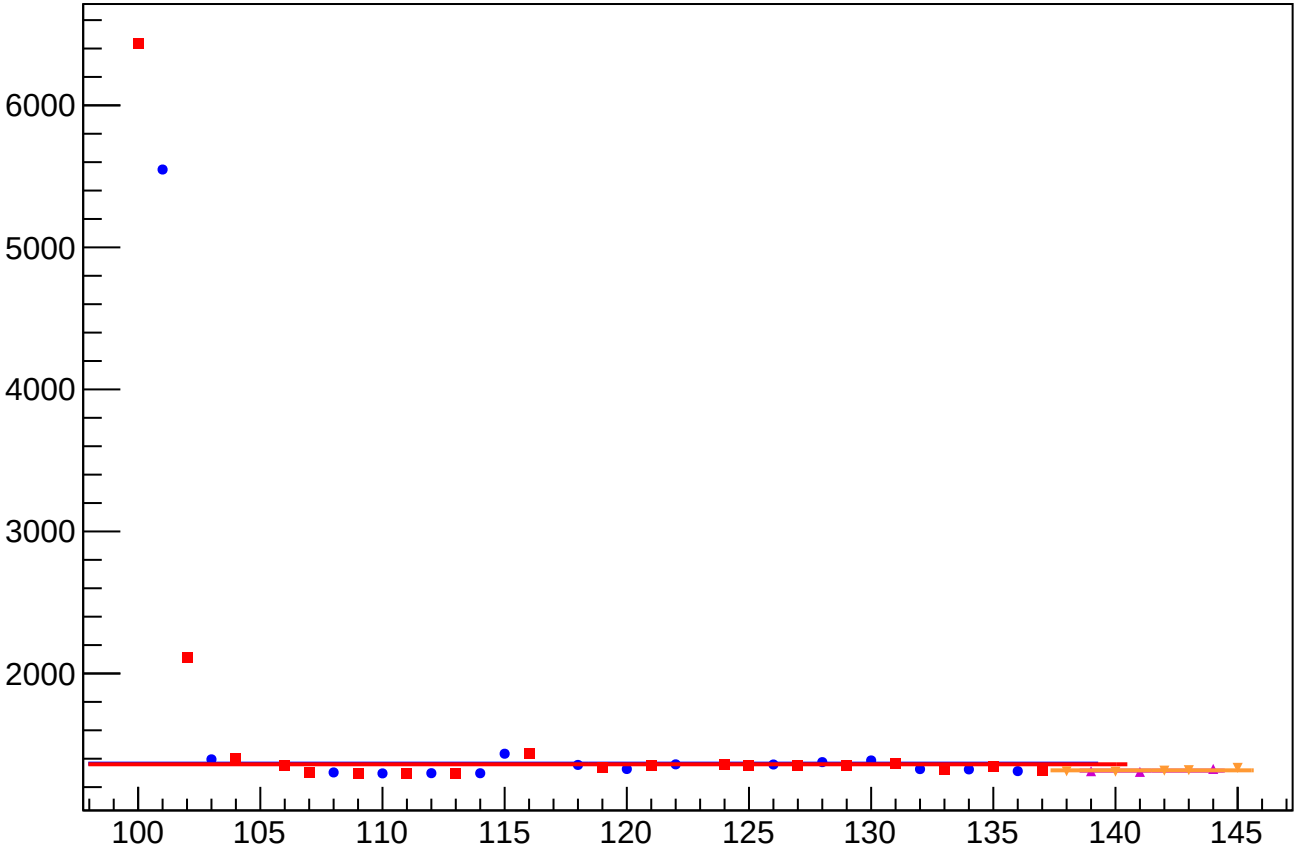
Left In: 1369.083+/-811.154 χ^2/NDF:1.6/2

+ sign 110.532+/-414.960 χ^2/NDF: 23.2/20

All: 318.508+/-298.762 χ^2/NDF: 36.8/42

- sign 542.347+/-430.493 χ^2/NDF: 13.0/21

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

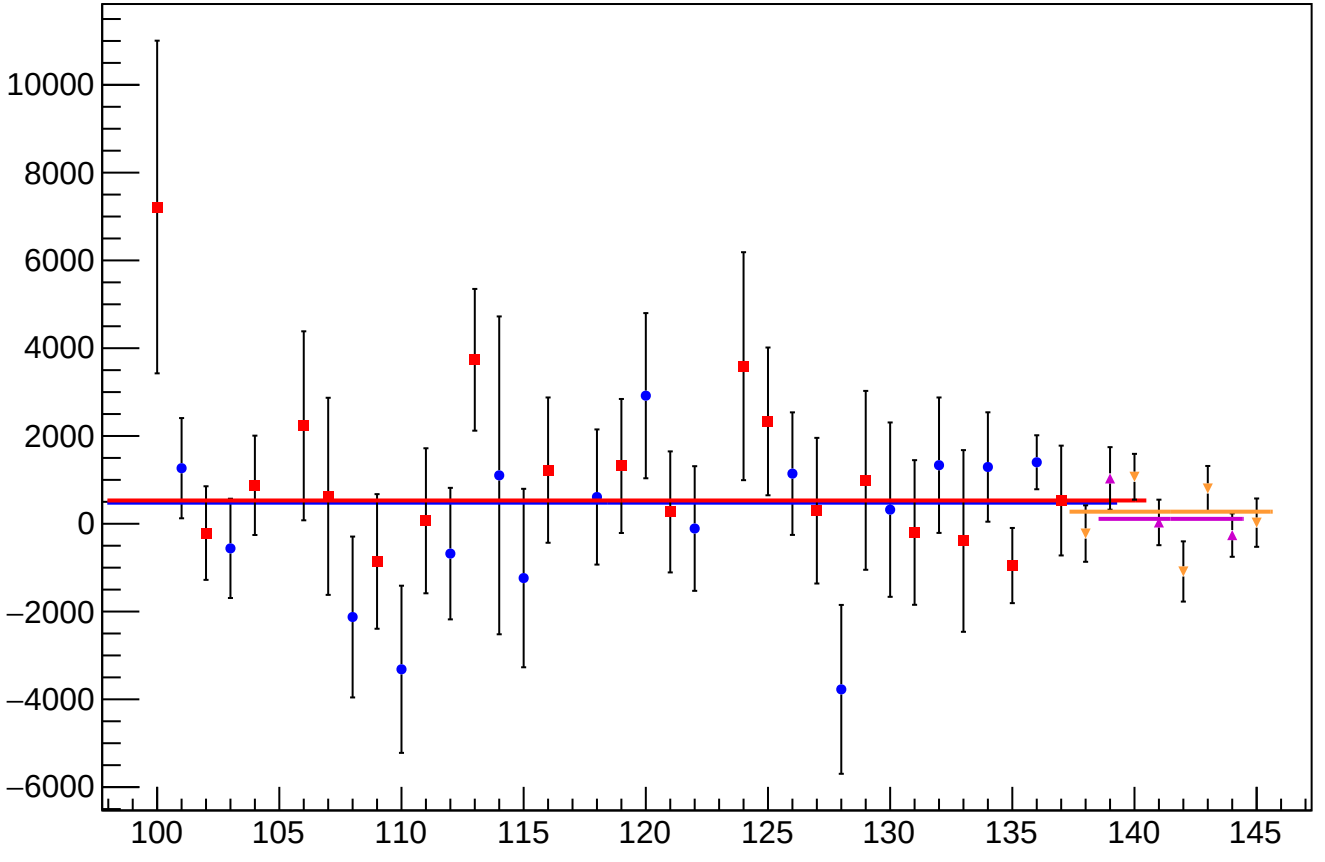
Left In: 1315.985+/-0.574 χ^2/NDF:243.6/2

+ sign 1348.055+/-0.293 χ^2/NDF: 765328.4/20

All: 1348.104+/-0.211 χ^2/NDF: 975266.8/42

- sign 1348.156+/-0.304 χ^2/NDF: 209938.3/21

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

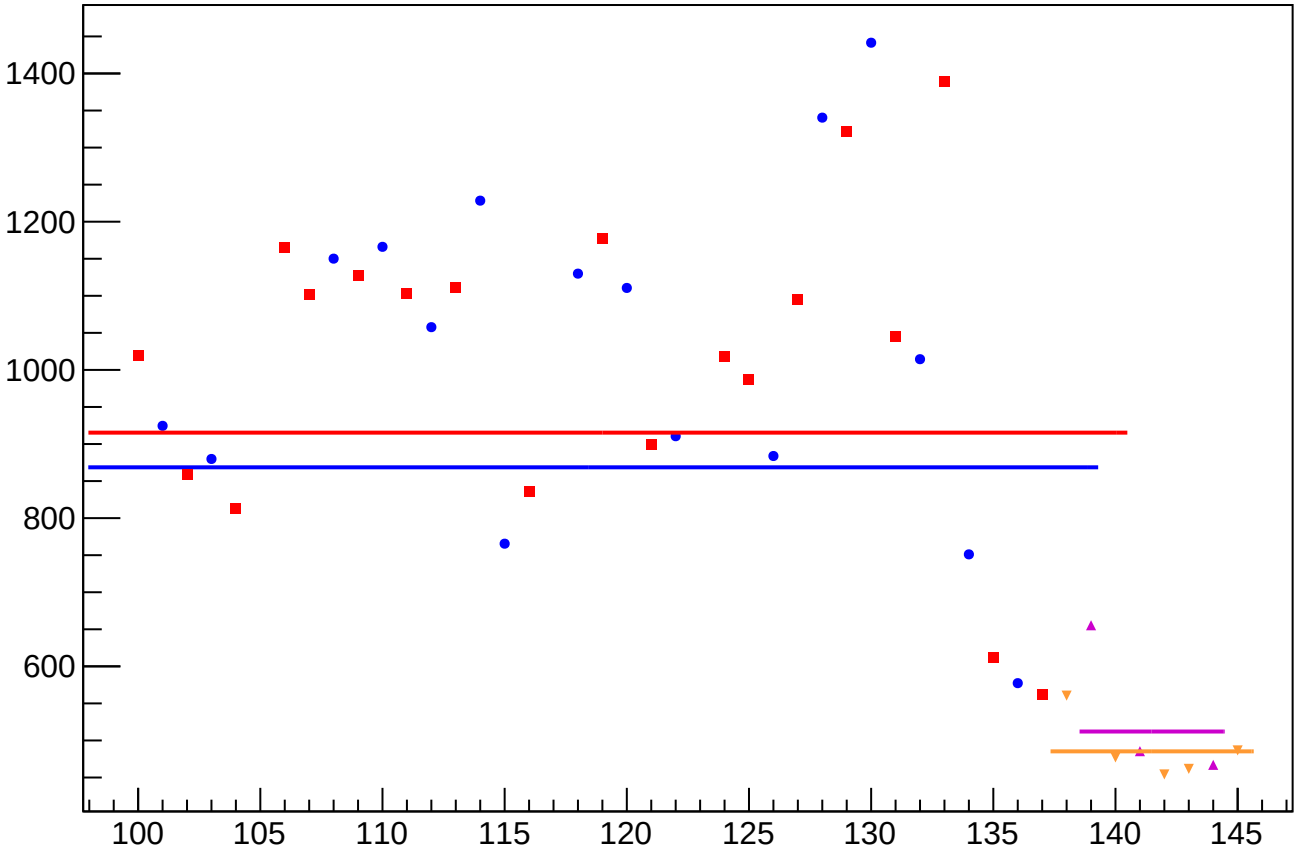
Left In: 111.587+/-319.753 χ^2/NDF:2.3/2

+ sign 350.468+/-203.563 χ^2/NDF: 27.0/20

All: 330.751+/-153.826 χ^2/NDF: 45.7/42

- sign 304.505+/-234.864 χ^2/NDF: 18.7/21

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

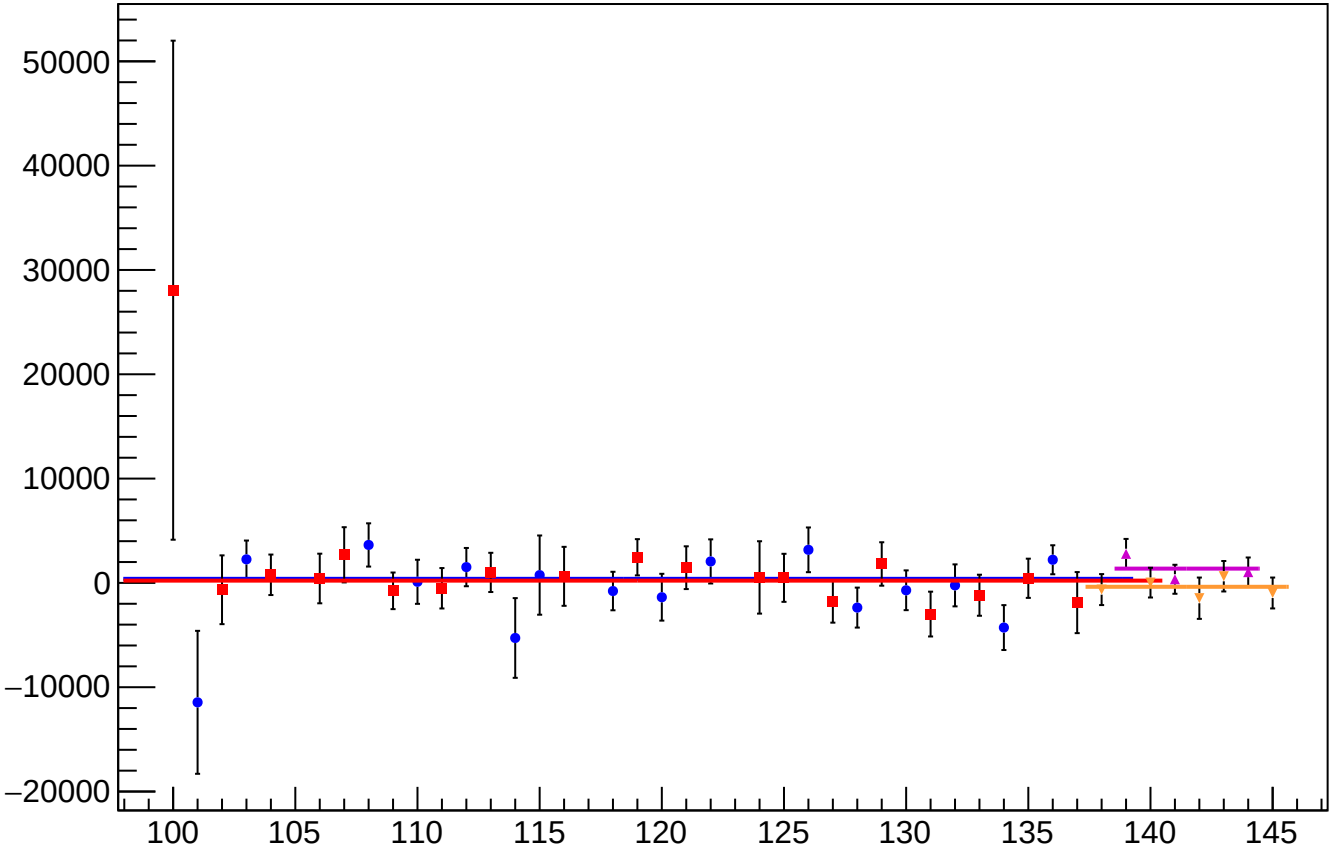
Left In: 512.057+/-0.226 χ^2/NDF:102750.2/2

+ sign 625.542+/-0.144 χ^2/NDF: 2702574.7/20

All: 656.526+/-0.109 χ^2/NDF: 5237393.1/42

- sign 697.773+/-0.166 χ^2/NDF: 2426797.5/21

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

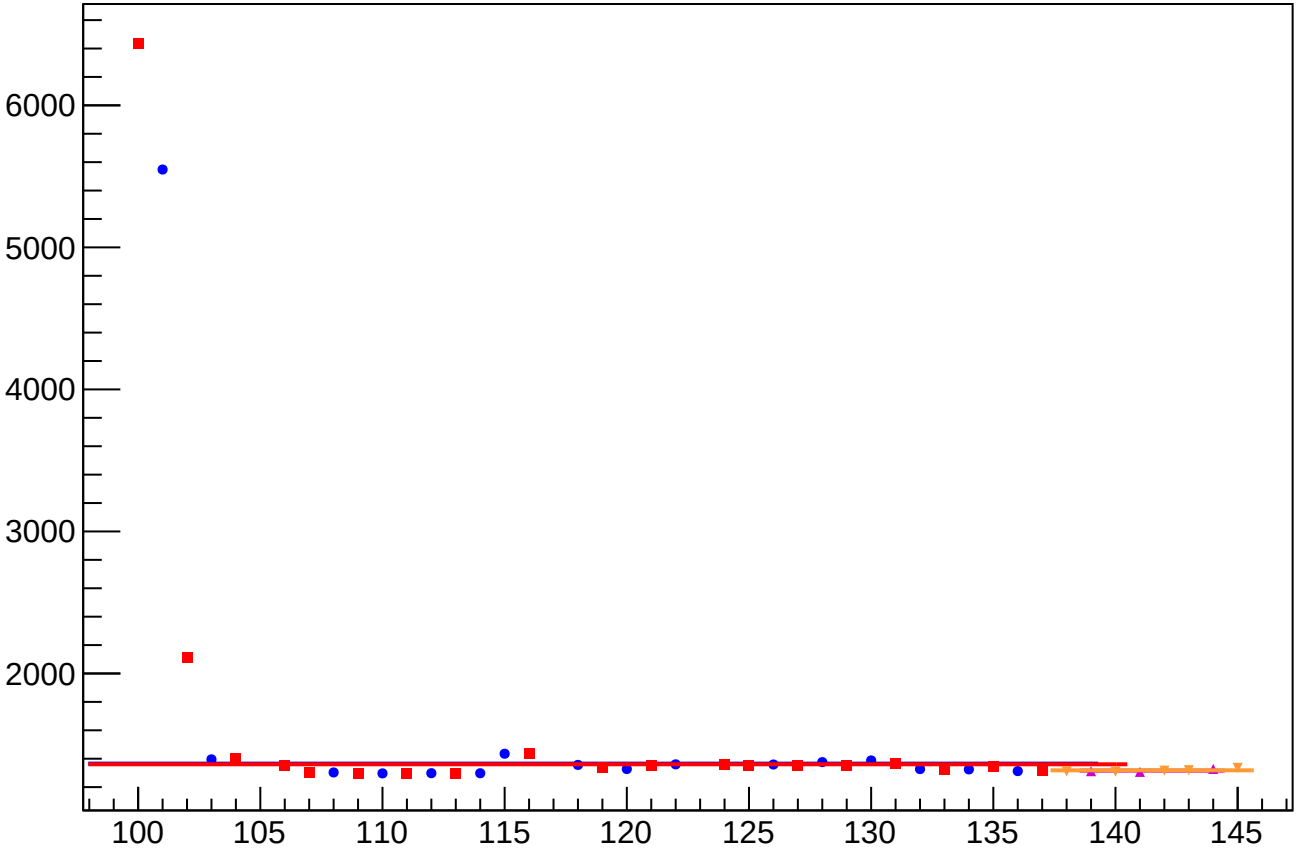
Left In: 1369.085+/-811.154 χ^2/NDF:1.6/2

+ sign 110.532+/-414.960 χ^2/NDF: 23.2/20

All: 318.508+/-298.762 χ^2/NDF: 36.8/42

- sign 542.346+/-430.493 χ^2/NDF: 13.0/21

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

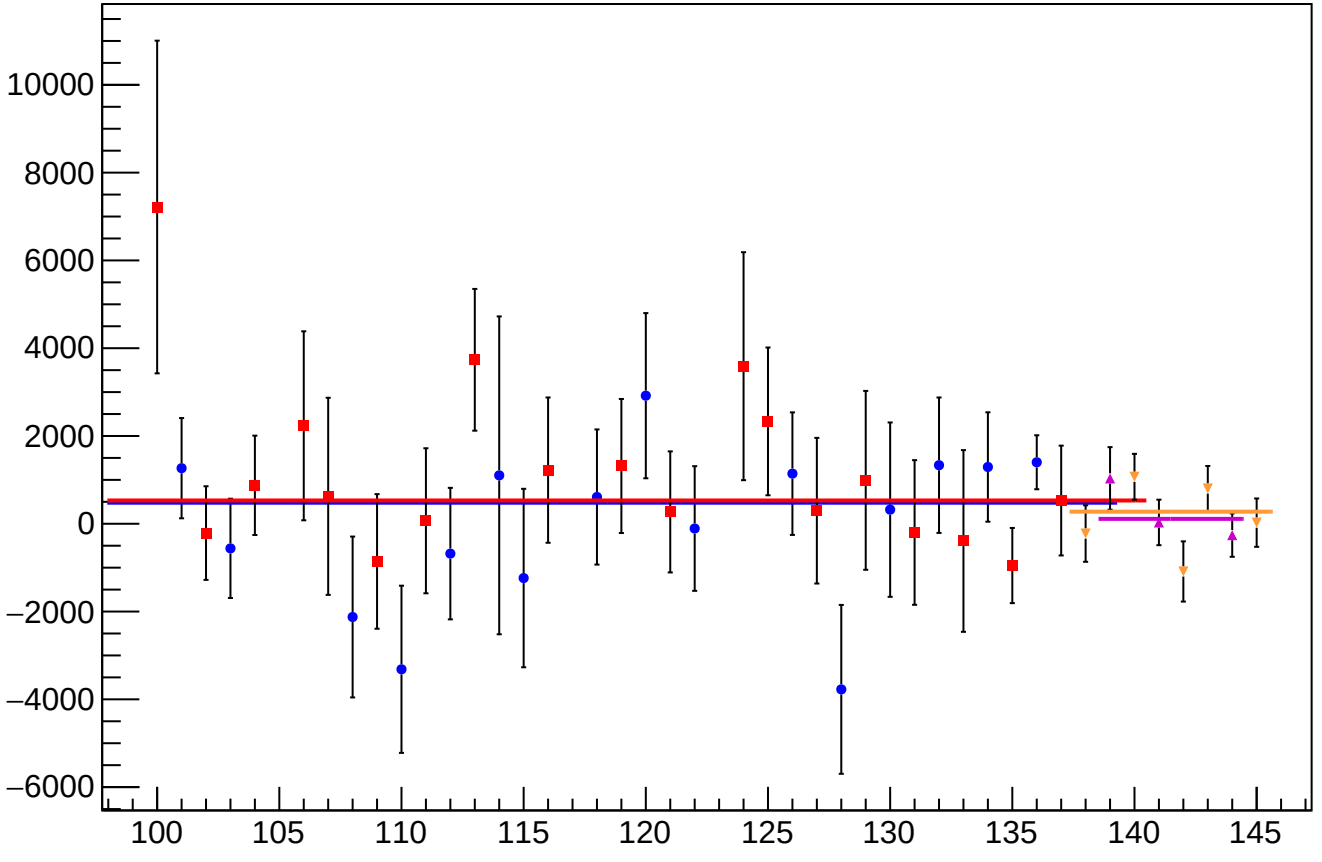
Left In: 1315.985+/-0.574 χ^2/NDF:243.6/2

+ sign 1348.055+/-0.293 χ^2/NDF: 765328.4/20

All: 1348.104+/-0.211 χ^2/NDF: 975266.7/42

- sign 1348.156+/-0.304 χ^2/NDF: 209938.3/21

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

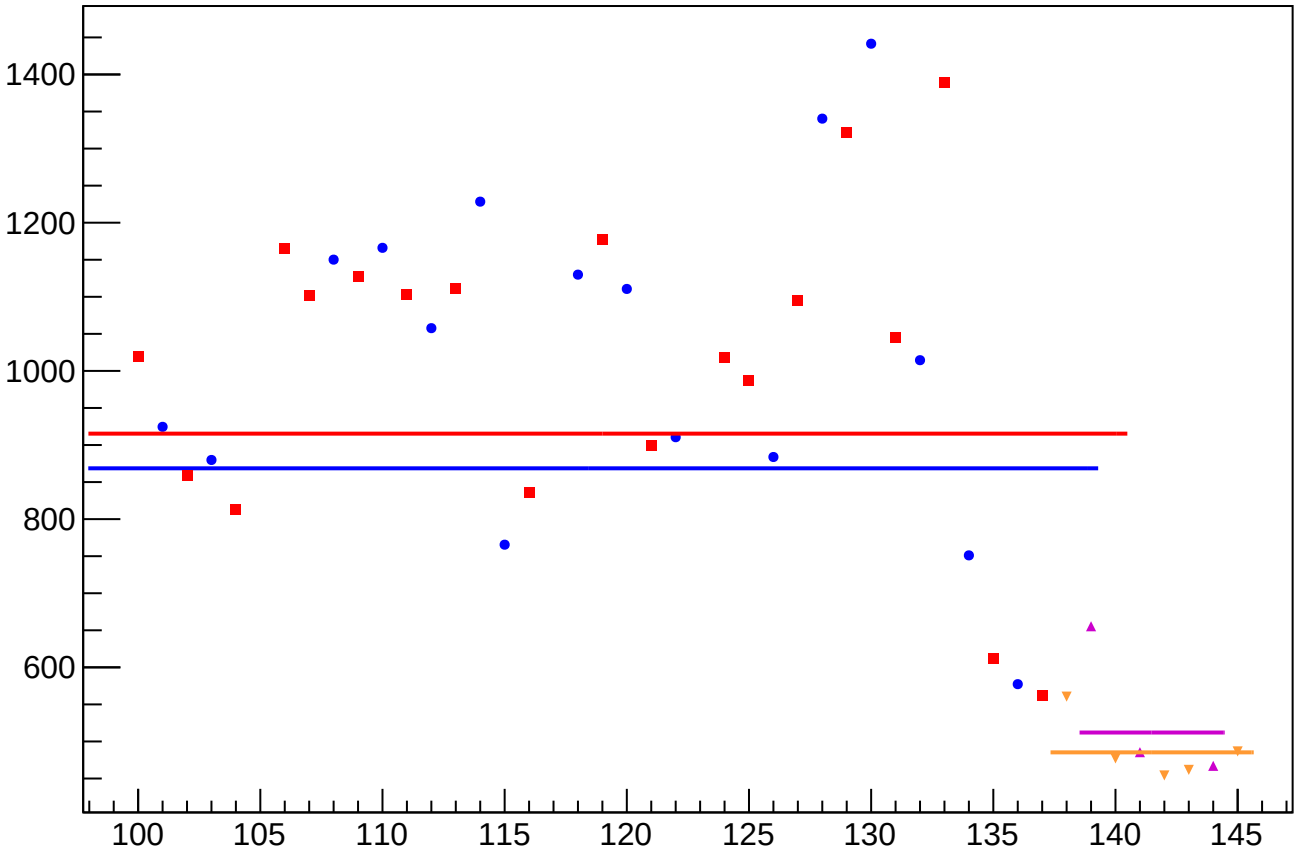
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 111.587+/-319.754 χ^2/NDF:2.3/2

+ sign 350.469+/-203.563 χ^2/NDF: 27.0/20

All: 330.752+/-153.826 χ^2/NDF: 45.7/42

- sign 304.506+/-234.864 χ^2/NDF: 18.7/21



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

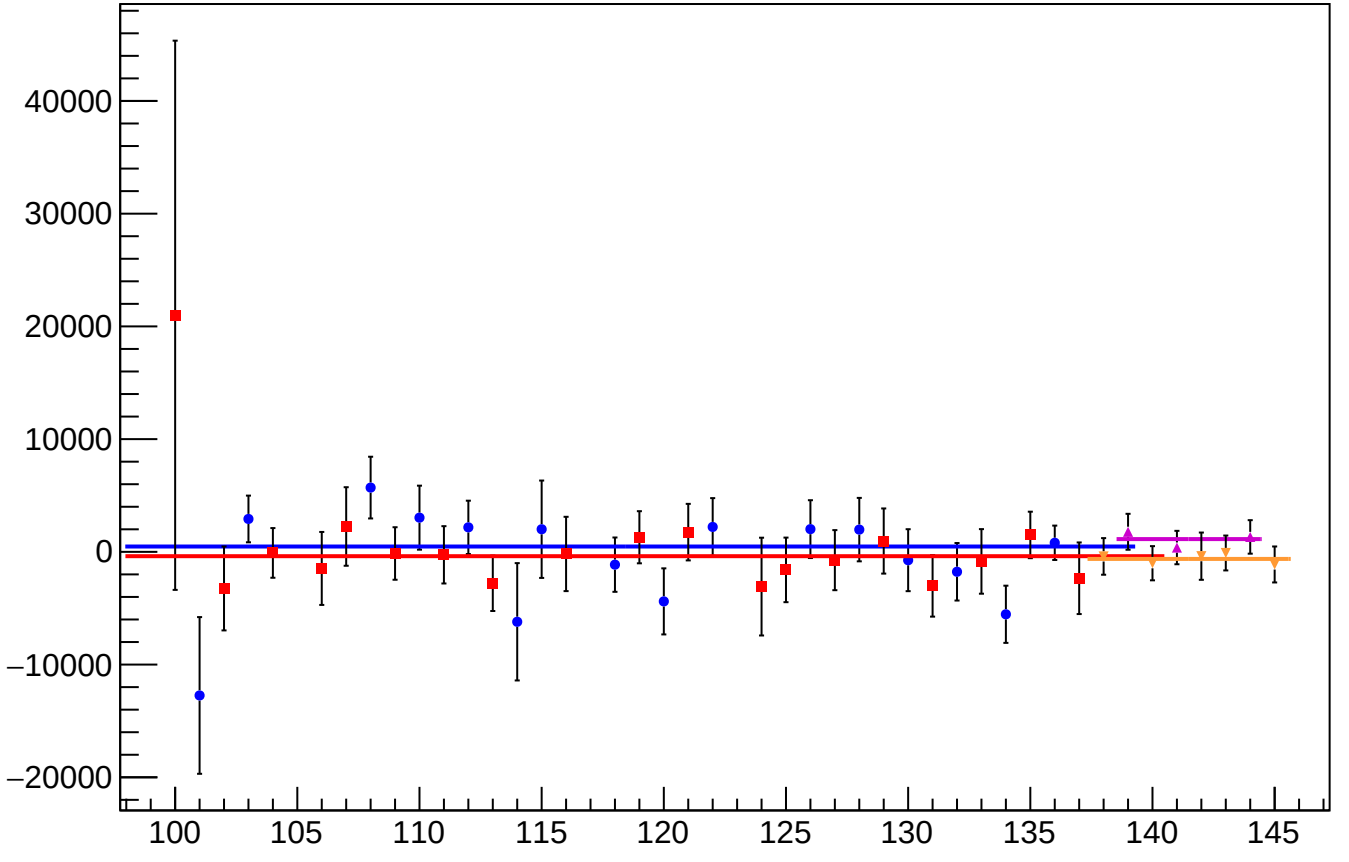
Left In: 512.058+/-0.226 χ^2/NDF:102752.1/2

+ sign 625.541+/-0.144 χ^2/NDF: 2702564.6/20

All: 656.526+/-0.109 χ^2/NDF: 5237372.6/42

- sign 697.773+/-0.166 χ^2/NDF: 2426784.3/21

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

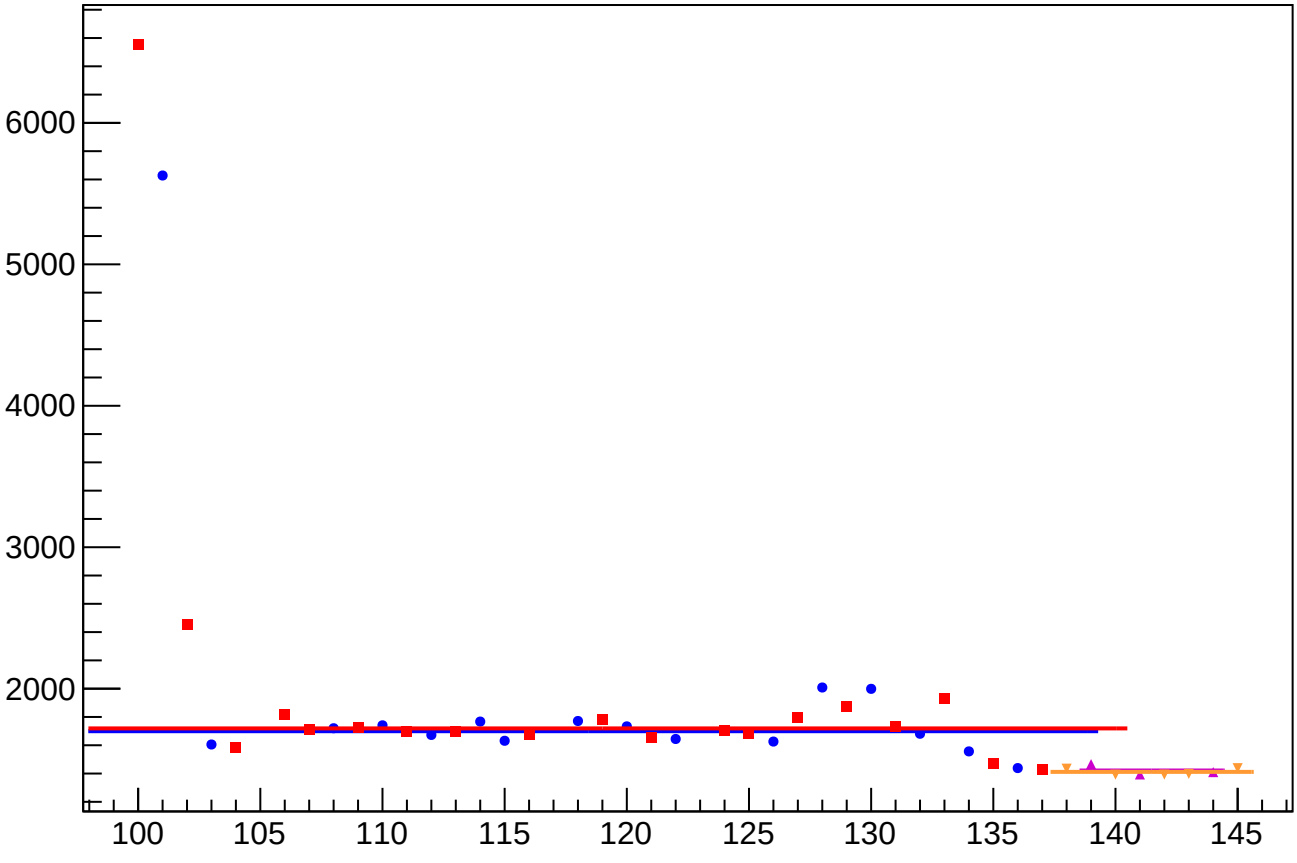
Left In: 1132.283+/-876.400 χ^2/NDF:0.4/2

+ sign -9.078+/-486.525 χ^2/NDF: 24.3/20

All: 63.152+/-354.600 χ^2/NDF: 34.0/42

- sign 144.999+/-517.904 χ^2/NDF: 9.6/21

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

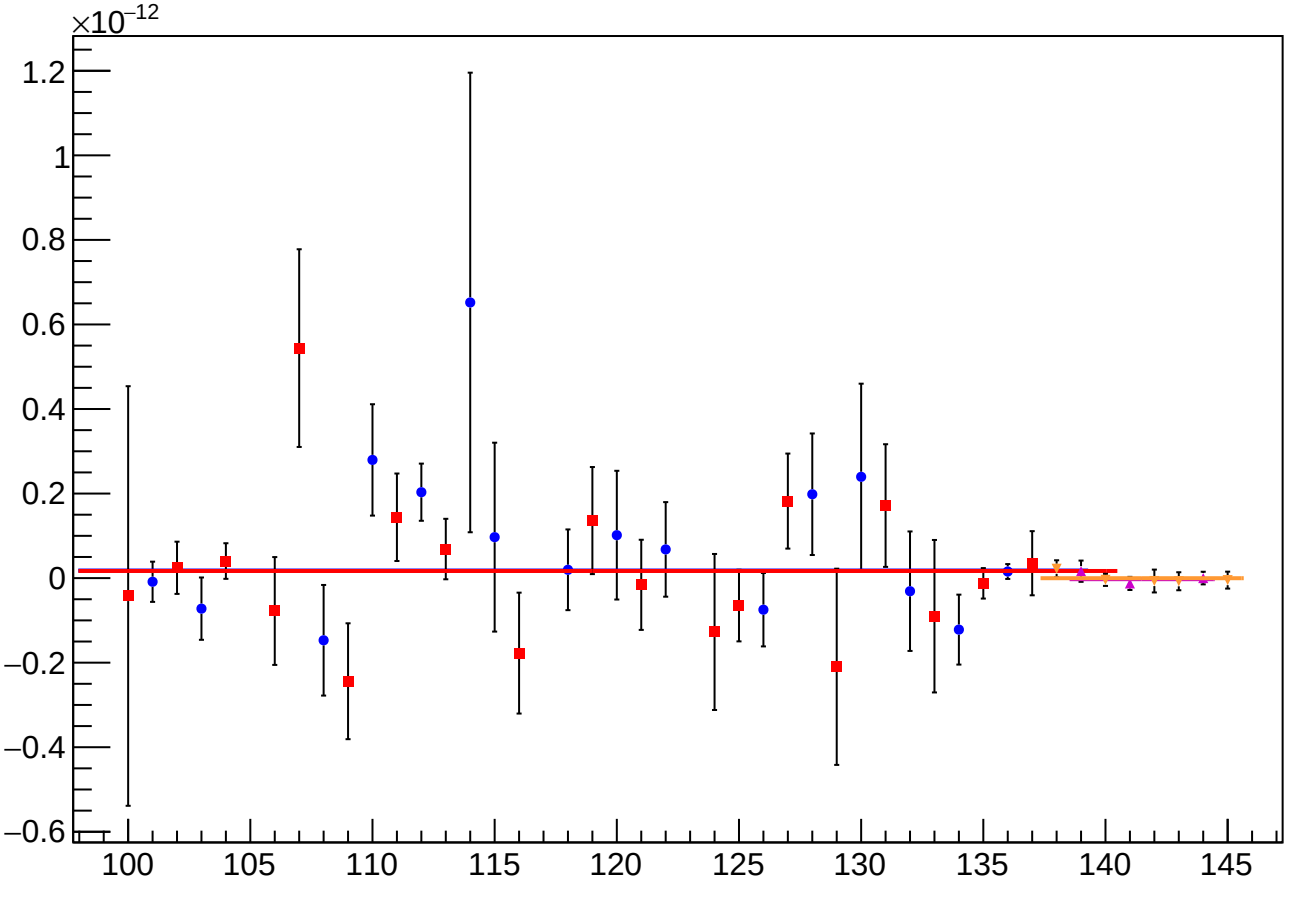
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1421.470+/-0.620 χ^2/NDF:2427.8/2

+ sign 1573.258+/-0.344 χ^2/NDF: 935690.0/20

All: 1592.903+/-0.251 χ^2/NDF: 1328940.8/42

- sign 1615.165+/-0.366 χ^2/NDF: 386294.5/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

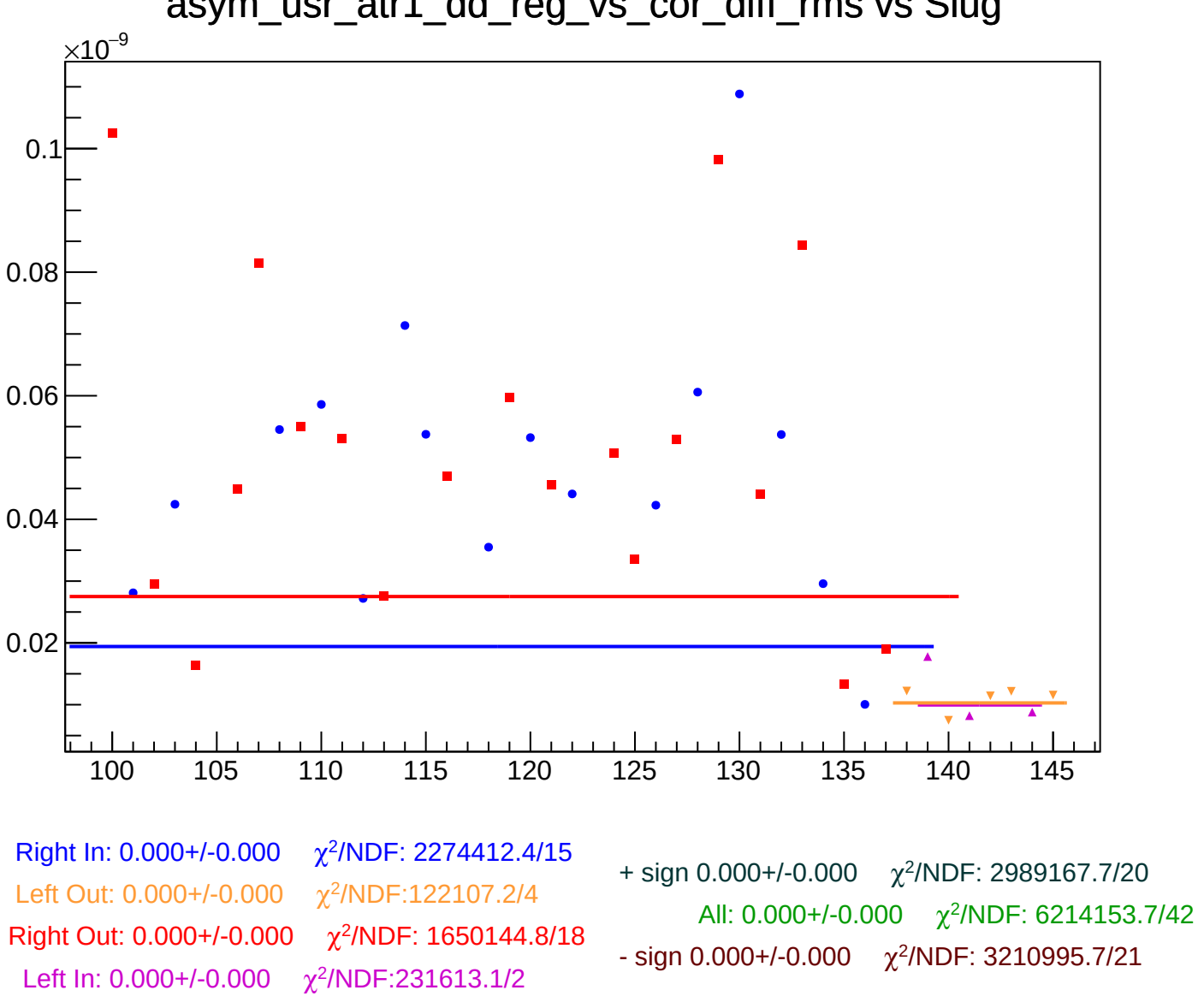
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

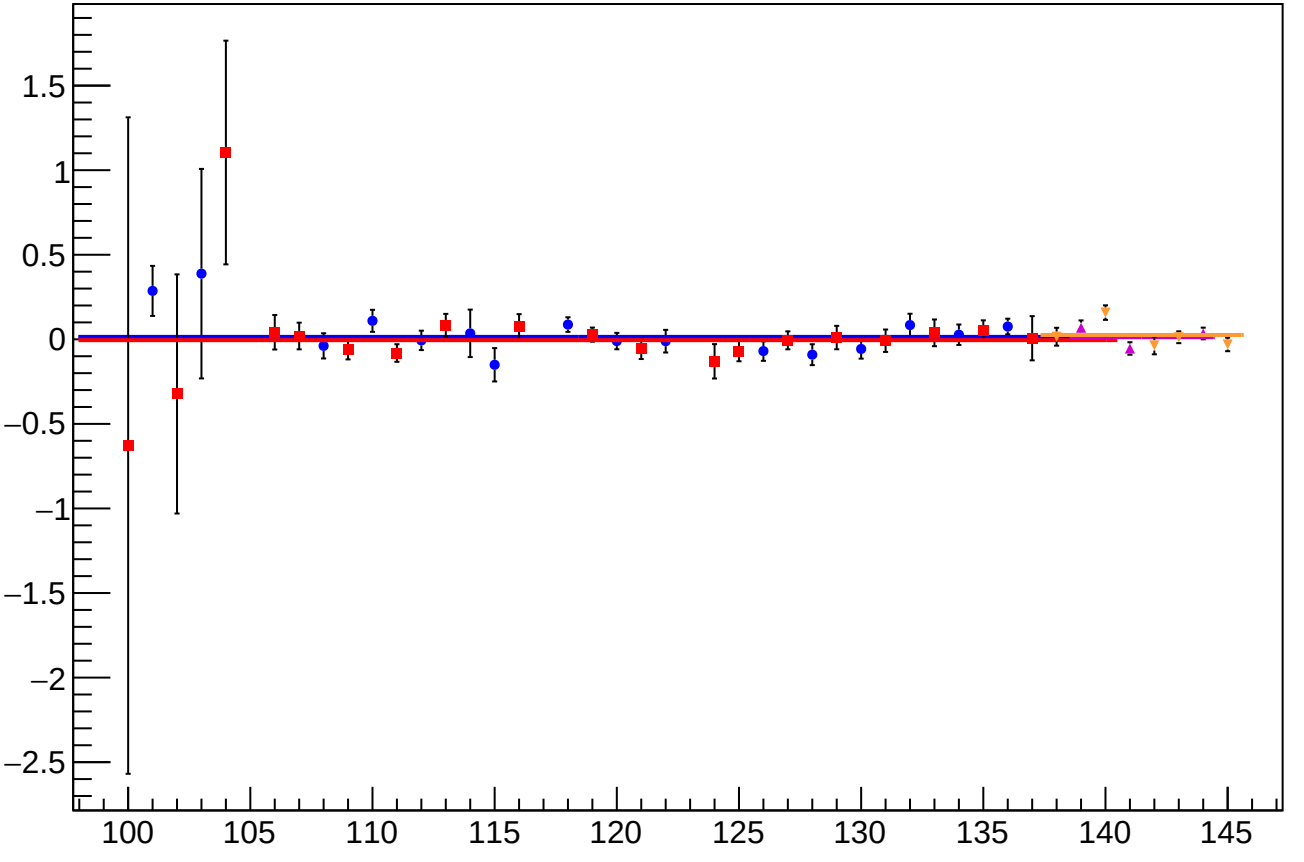
+ sign 0.000+/-0.000 χ^2/NDF: 26.3/20

All: 0.000+/-0.000 χ^2/NDF: 49.5/42

- sign 0.000+/-0.000 χ^2/NDF: 23.2/21


asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2274412.4/15
Left Out: 0.000+/-0.000 χ²/NDF:122107.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 1650144.8/18
Left In: 0.000+/-0.000 χ²/NDF:231613.1/2
+ sign 0.000+/-0.000 χ²/NDF: 2989167.7/20
All: 0.000+/-0.000 χ²/NDF: 6214153.7/42
- sign 0.000+/-0.000 χ²/NDF: 3210995.7/21

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

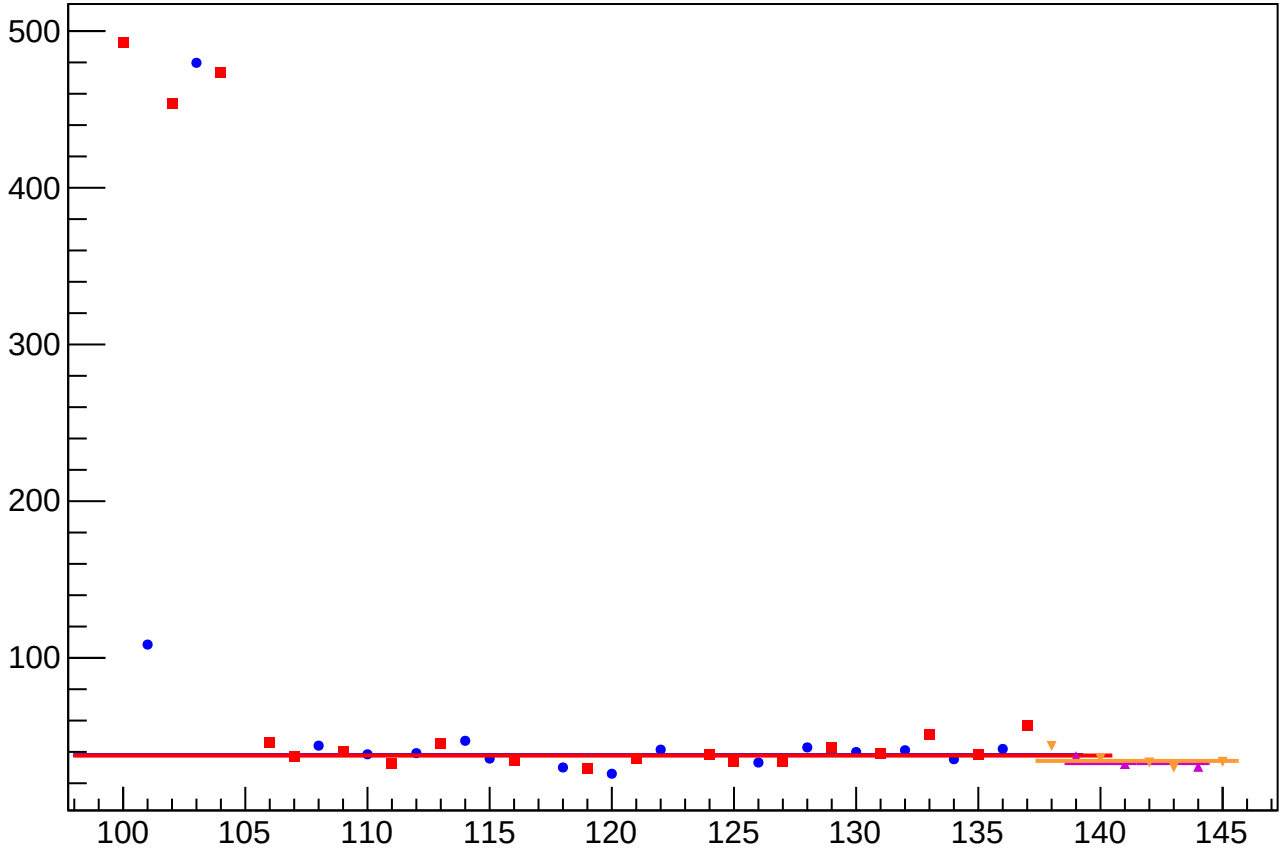
Left In: 0.013+/-0.022 χ^2/NDF:5.4/2

+ sign 0.019+/-0.012 χ^2/NDF: 35.2/20

All: 0.011+/-0.009 χ^2/NDF: 56.9/42

- sign 0.001+/-0.013 χ^2/NDF: 20.7/21

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

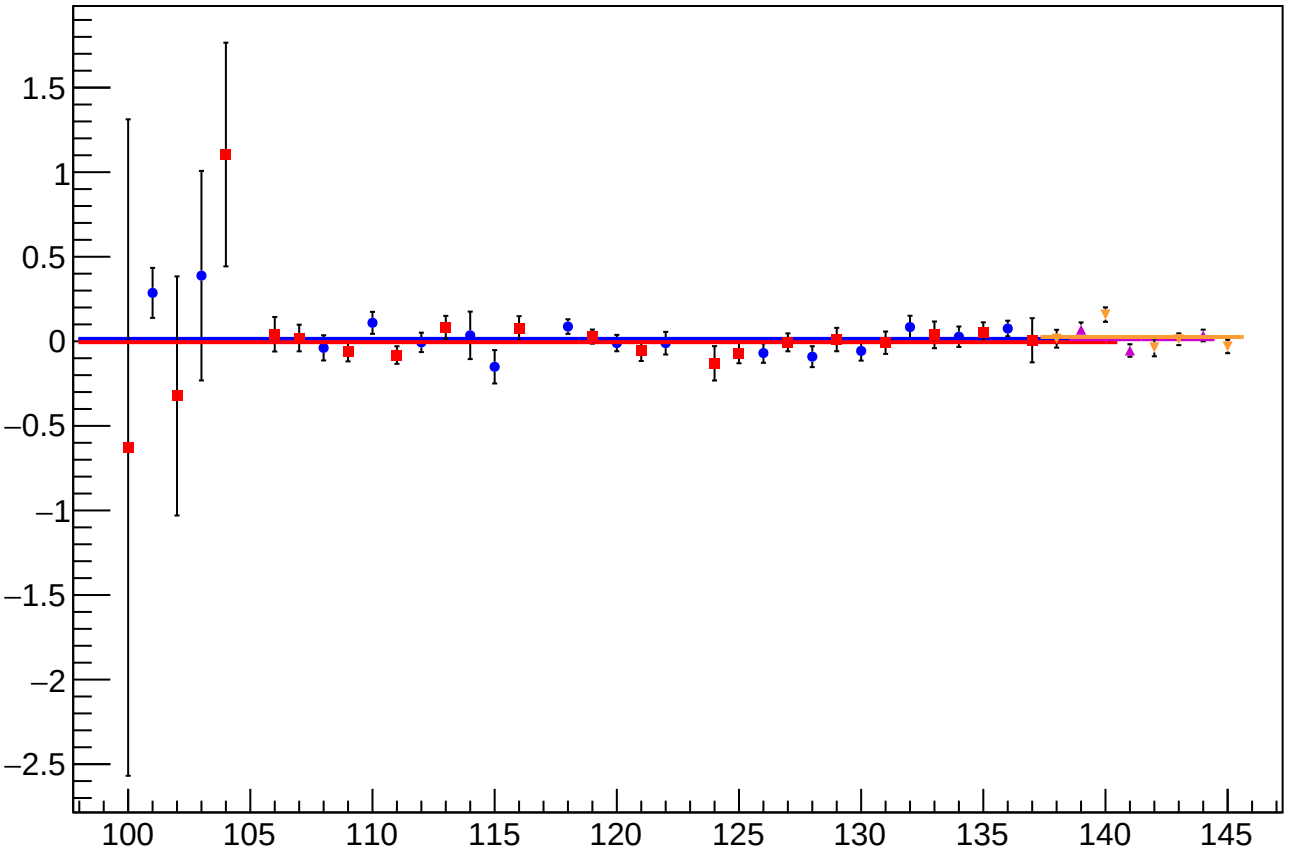
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 32.869+/-0.015 χ^2/NDF:30442.1/2

+ sign 36.448+/-0.009 χ^2/NDF: 1881451.6/20

All: 36.234+/-0.006 χ^2/NDF: 3921715.7/42

- sign 35.997+/-0.009 χ^2/NDF: 2038983.4/21



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

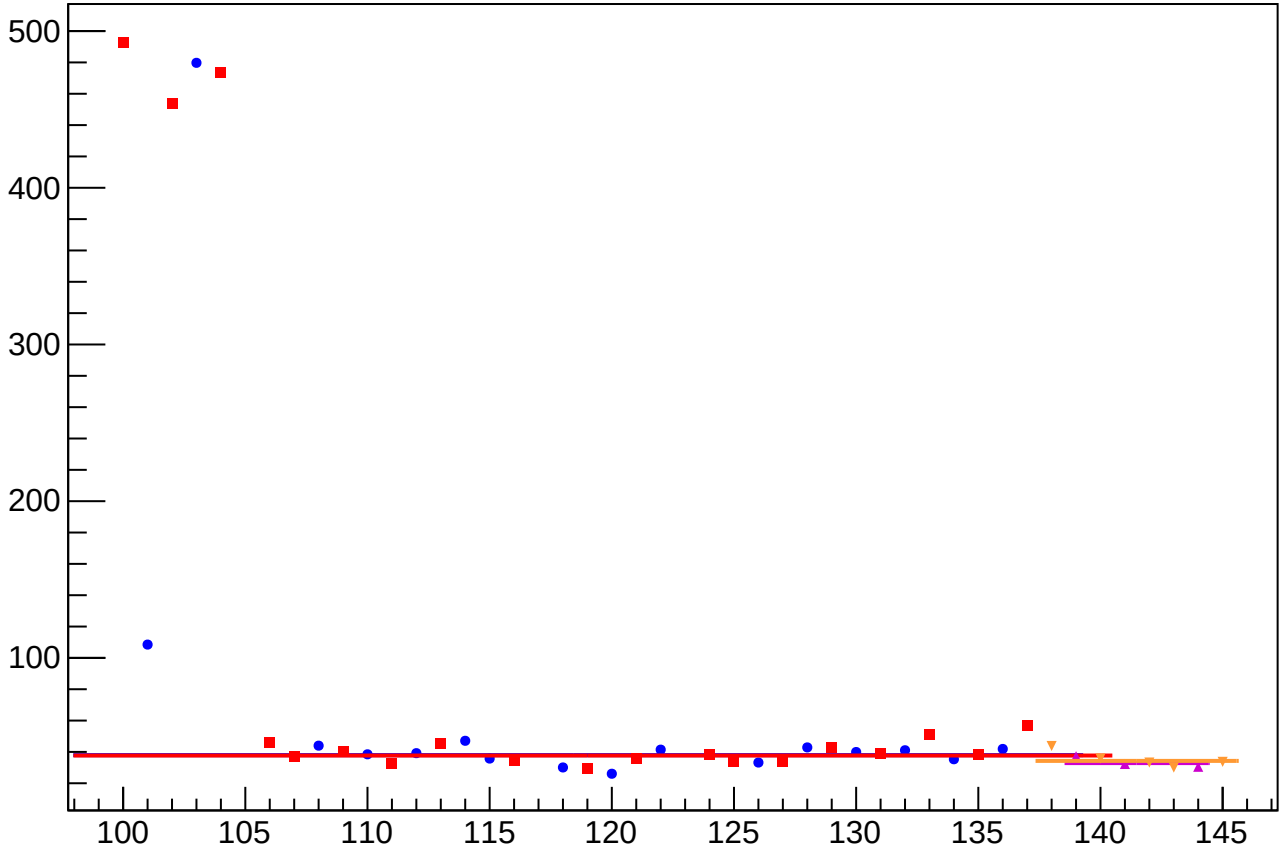
Left In: 0.013+/-0.022 χ^2/NDF:5.4/2

+ sign 0.019+/-0.012 χ^2/NDF: 35.2/20

All: 0.011+/-0.009 χ^2/NDF: 56.9/42

- sign 0.001+/-0.013 χ^2/NDF: 20.7/21

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

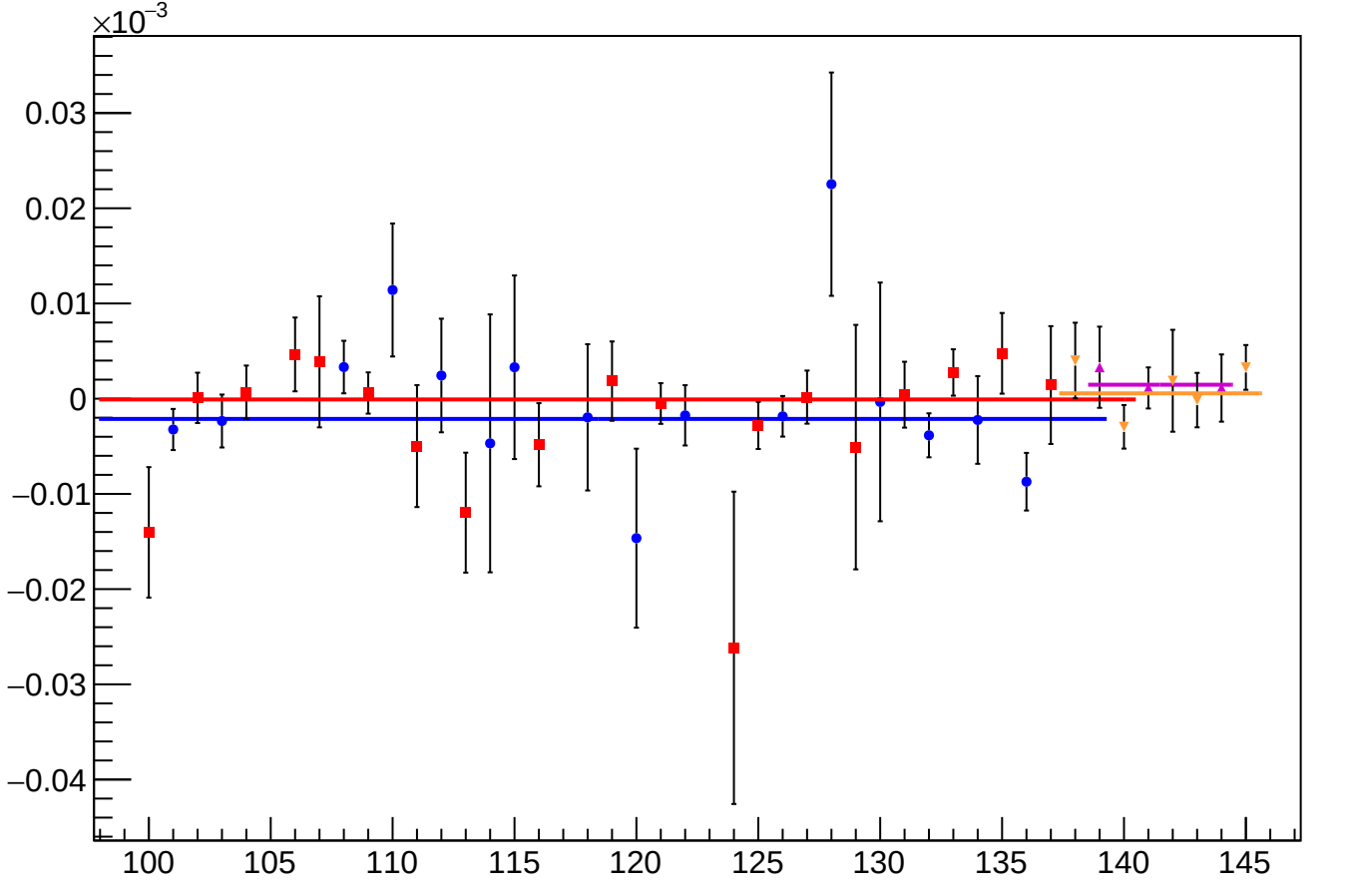
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 32.869+/-0.015 χ^2/NDF:30442.1/2

+ sign 36.448+/-0.009 χ^2/NDF: 1881451.6/20

All: 36.234+/-0.006 χ^2/NDF: 3921715.7/42

- sign 35.997+/-0.009 χ^2/NDF: 2038983.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/4

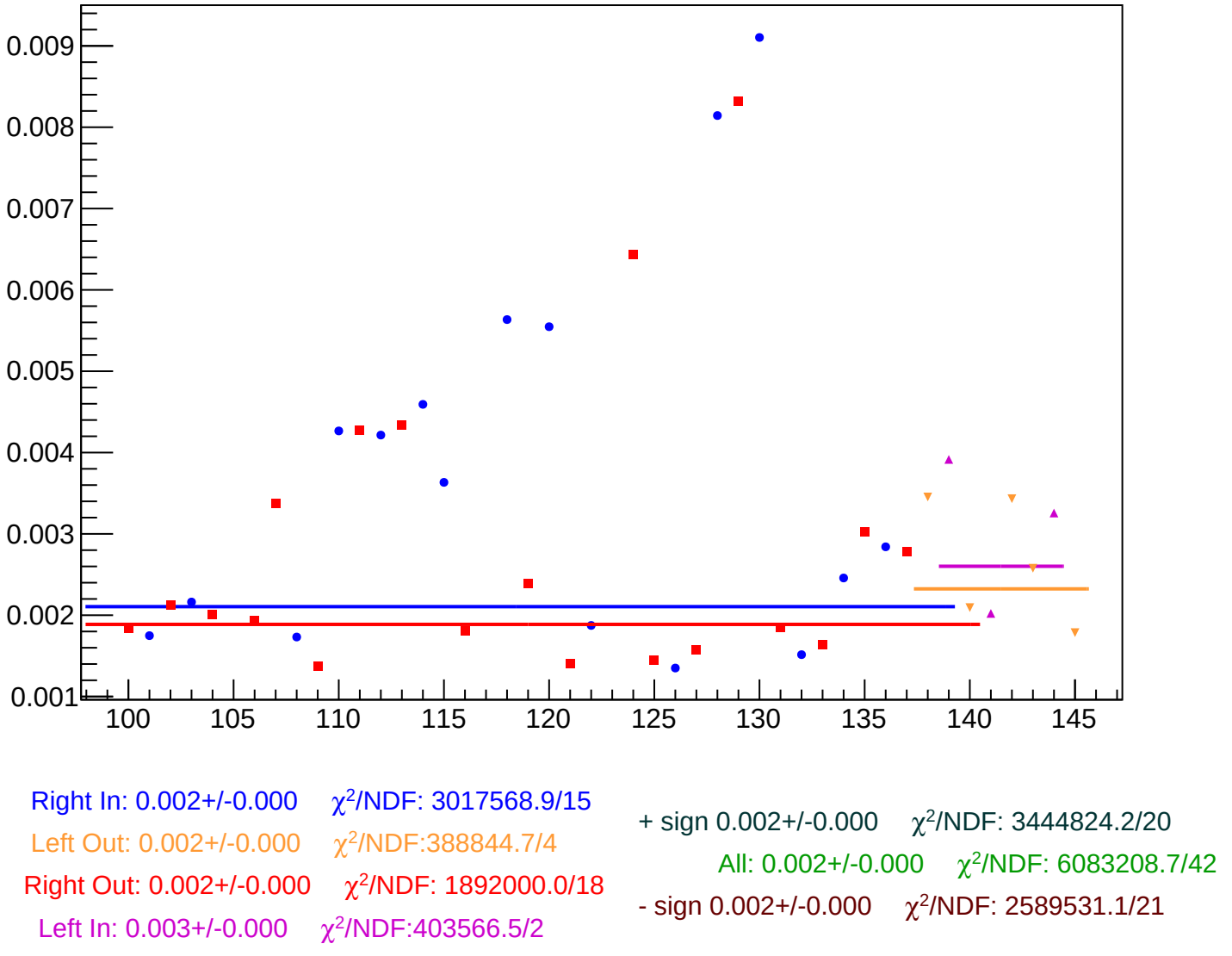
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

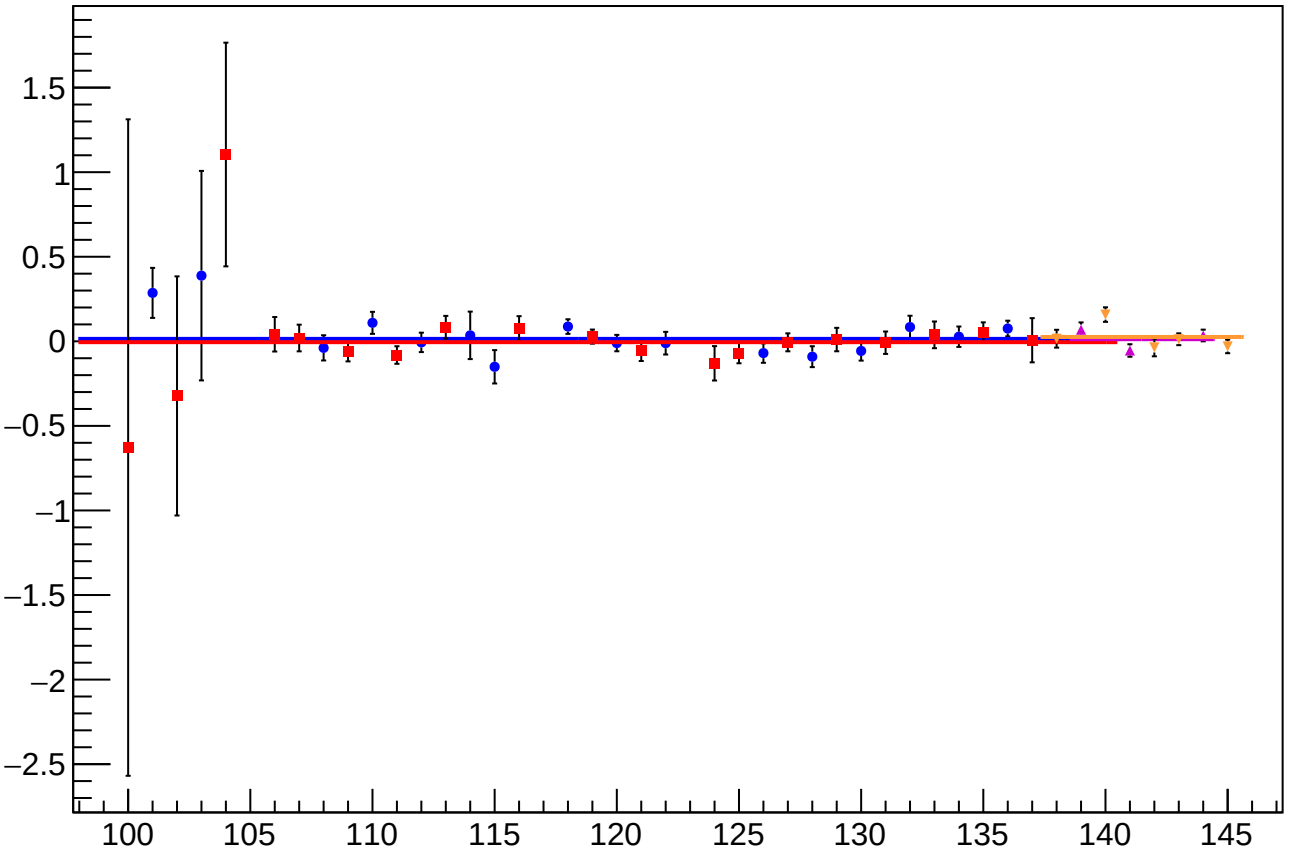
Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/20

All: -0.000+/-0.000 χ^2/NDF: 49.2/42

- sign 0.000+/-0.000 χ^2/NDF: 19.3/21


asym_usr_atr1_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
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:388844.7/4
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.003+/-0.000 χ²/NDF:403566.5/2
+ sign 0.002+/-0.000 χ²/NDF: 3444824.2/20
All: 0.002+/-0.000 χ²/NDF: 6083208.7/42
- sign 0.002+/-0.000 χ²/NDF: 2589531.1/21



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.026+/-0.019 χ^2/NDF:13.0/4

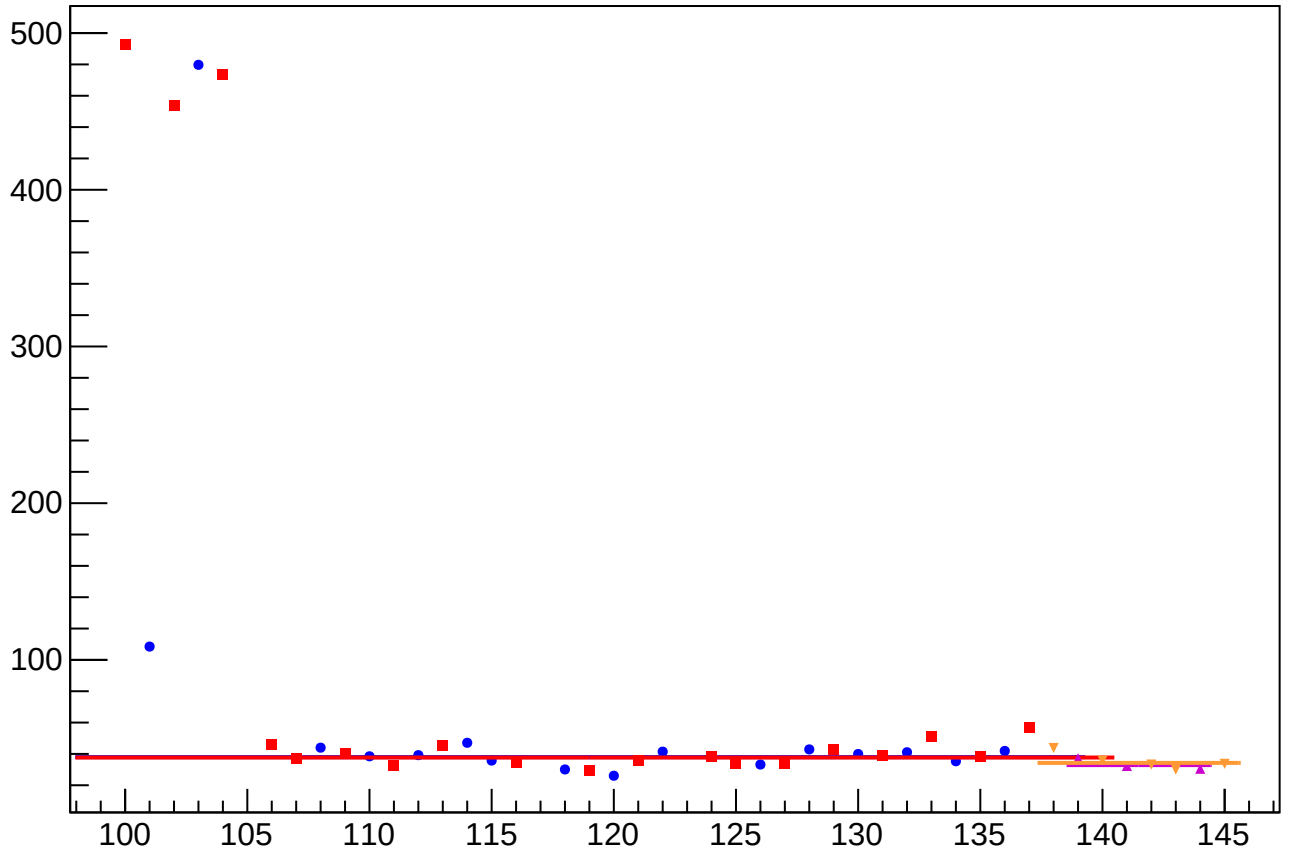
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.013+/-0.022 χ^2/NDF:5.4/2

+ sign 0.019+/-0.012 χ^2/NDF: 35.2/20

All: 0.011+/-0.009 χ^2/NDF: 56.9/42

- sign 0.001+/-0.013 χ^2/NDF: 20.7/21



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.268+/-0.014 χ^2/NDF:98556.9/4

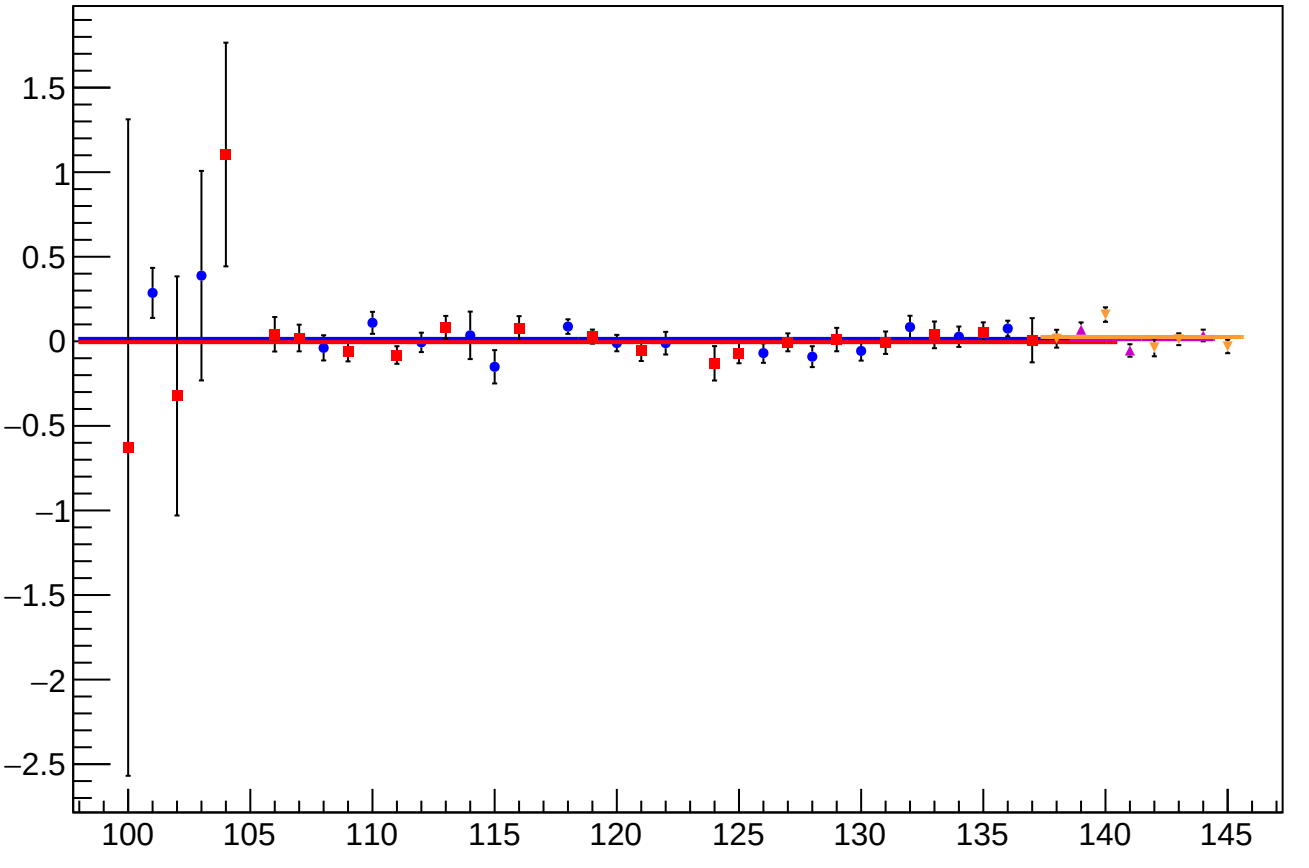
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 32.868+/-0.015 χ^2/NDF:30440.6/2

+ sign 36.448+/-0.009 χ^2/NDF: 1881478.6/20

All: 36.234+/-0.006 χ^2/NDF: 3921805.7/42

- sign 35.997+/-0.009 χ^2/NDF: 2039042.8/21



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.026+/-0.019 χ^2/NDF:13.0/4

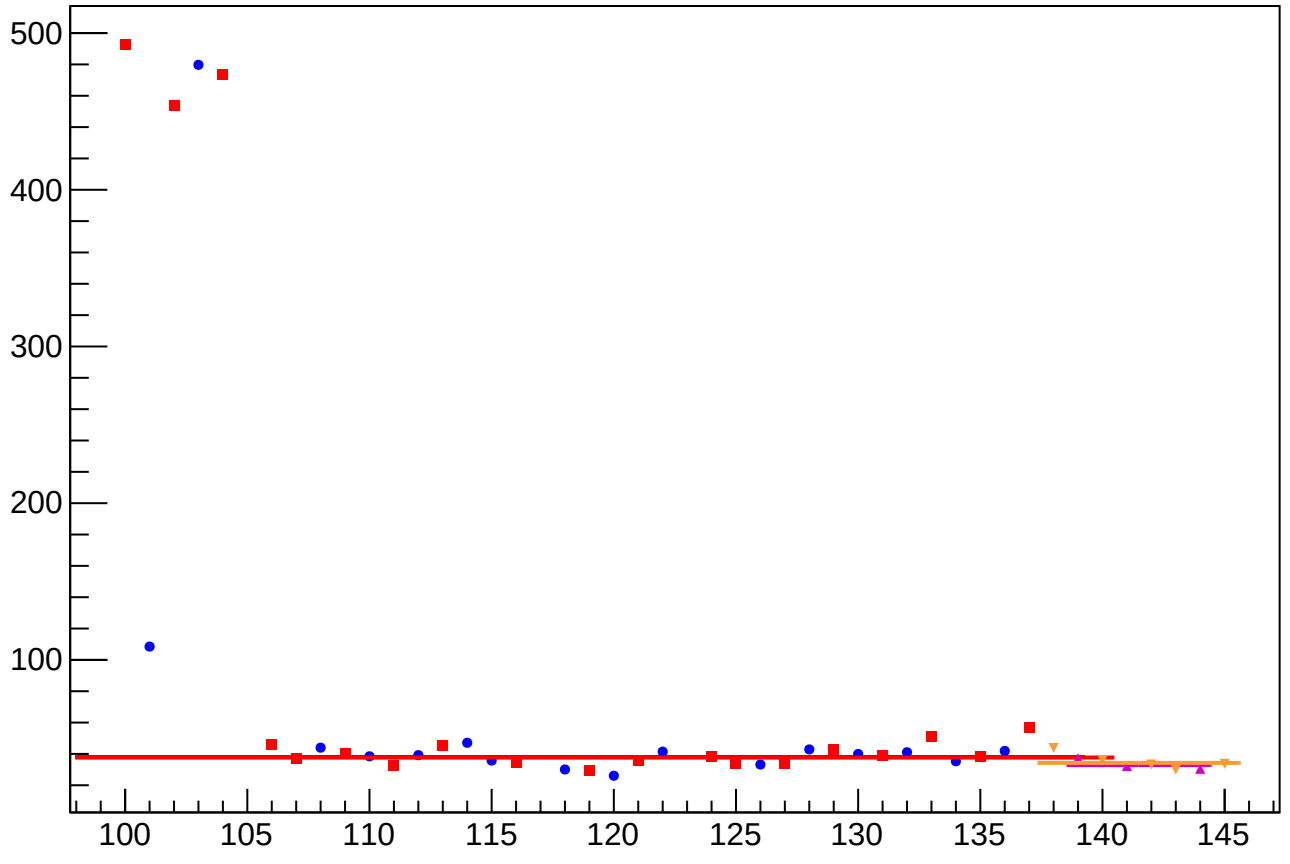
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.013+/-0.022 χ^2/NDF:5.4/2

+ sign 0.019+/-0.012 χ^2/NDF: 35.2/20

All: 0.011+/-0.009 χ^2/NDF: 56.9/42

- sign 0.001+/-0.013 χ^2/NDF: 20.7/21



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

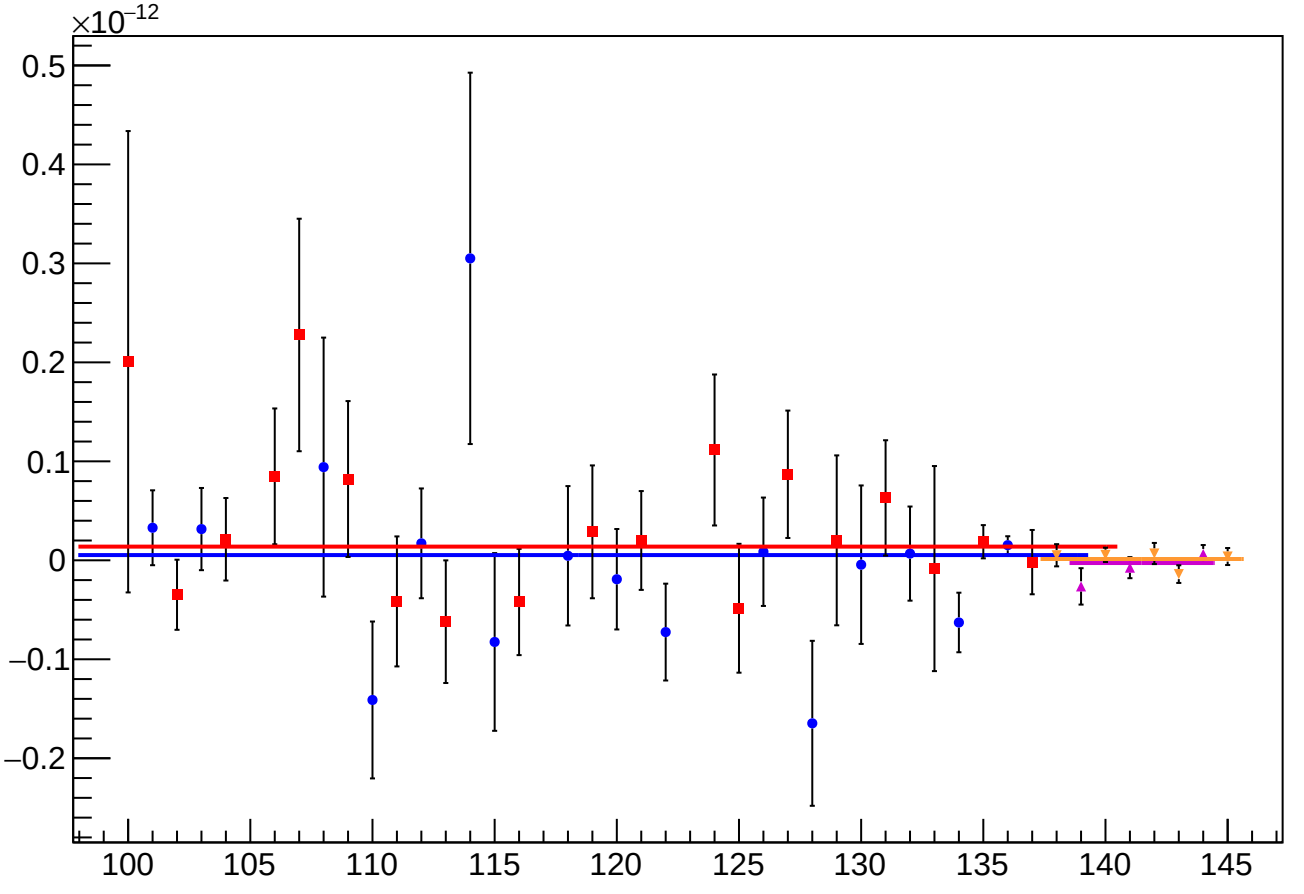
Left In: 32.868+/-0.015 χ^2/NDF:30440.6/2

+ sign 36.448+/-0.009 χ^2/NDF: 1881478.6/20

All: 36.234+/-0.006 χ^2/NDF: 3921805.7/42

- sign 35.997+/-0.009 χ^2/NDF: 2039042.8/21

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/4

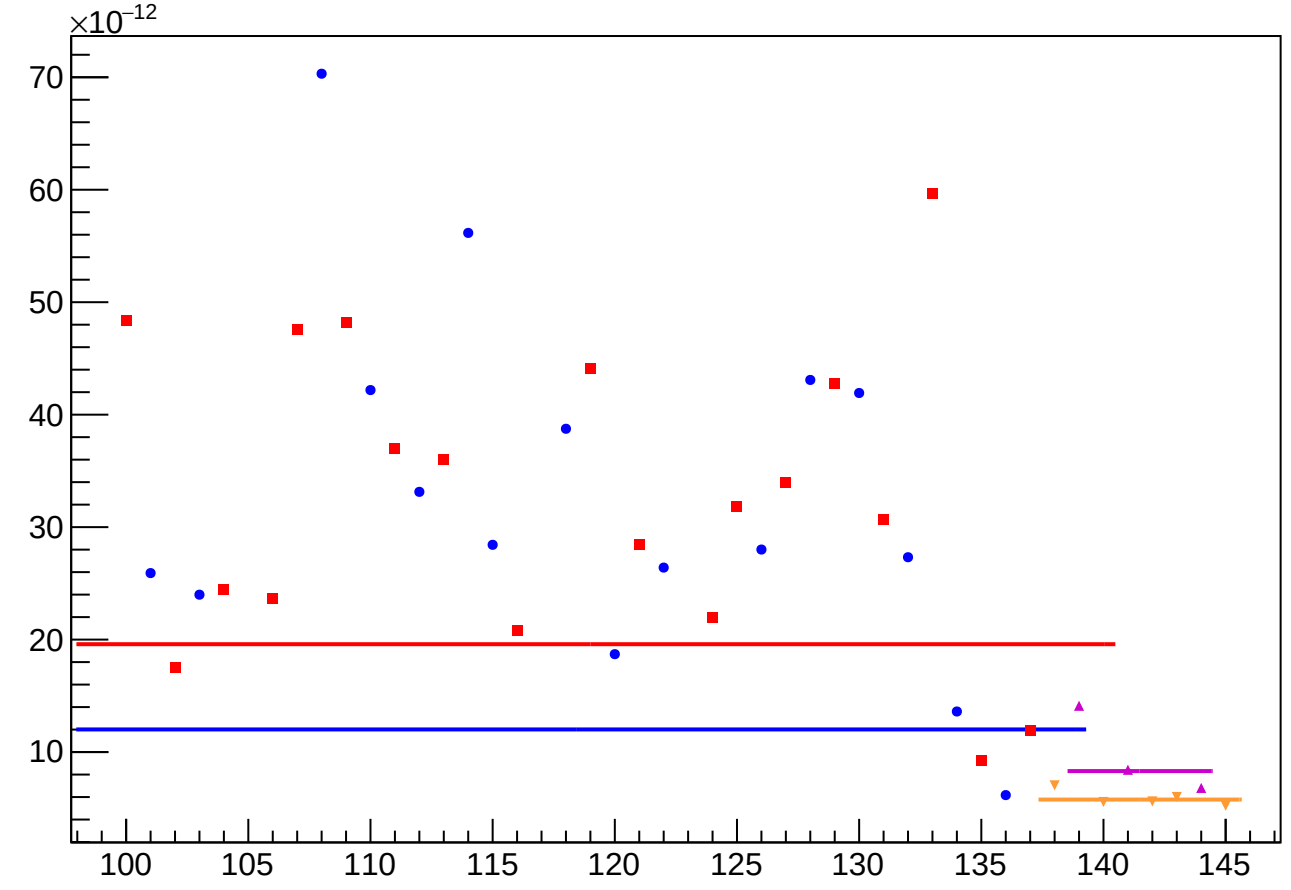
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 25.6/20

All: 0.000+/-0.000 χ^2/NDF: 46.2/42

- sign 0.000+/-0.000 χ^2/NDF: 20.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37117.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

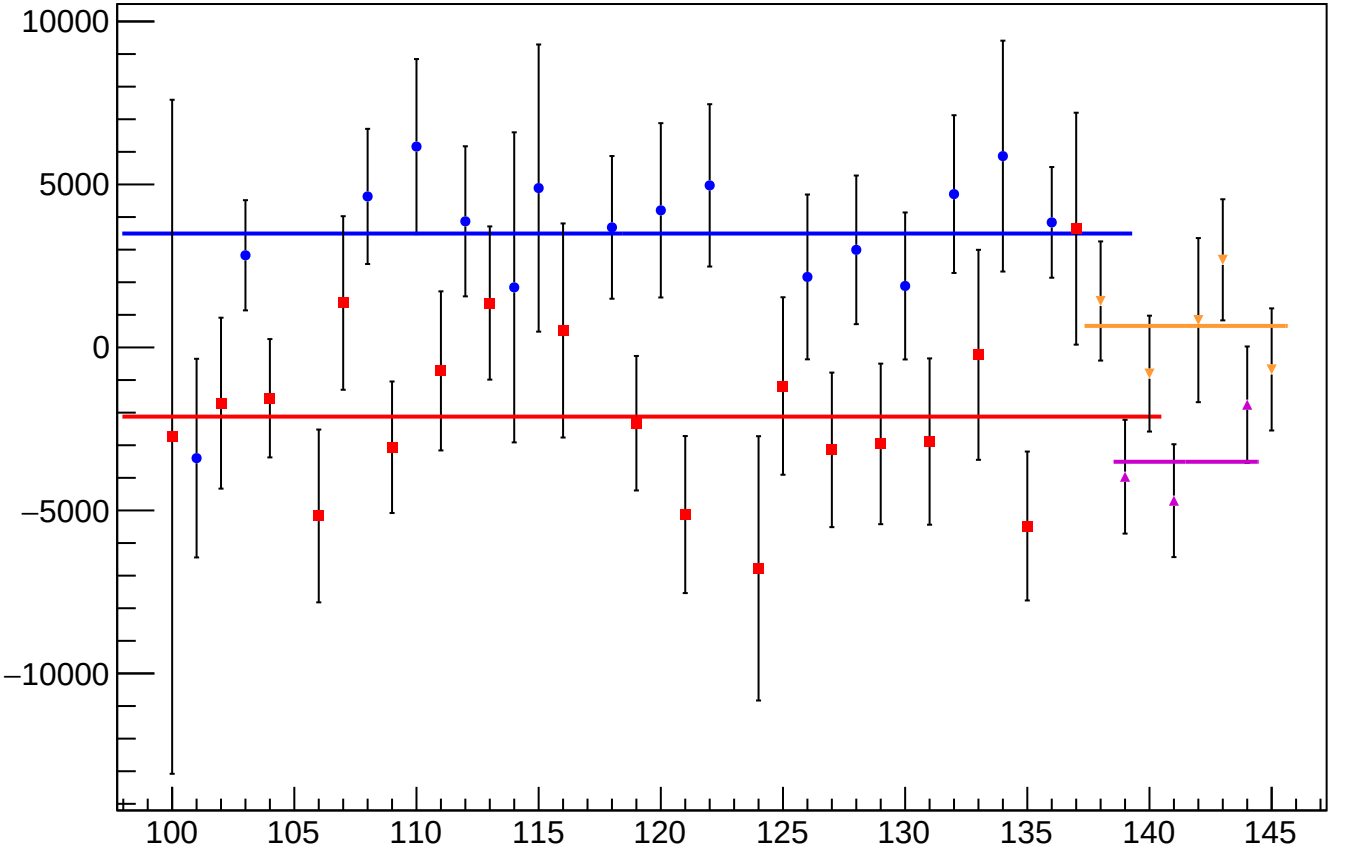
Left In: 0.000+/-0.000 χ^2/NDF:254098.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 4967144.2/20

All: 0.000+/-0.000 χ^2/NDF: 10335018.9/42

- sign 0.000+/-0.000 χ^2/NDF: 4534661.0/21

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

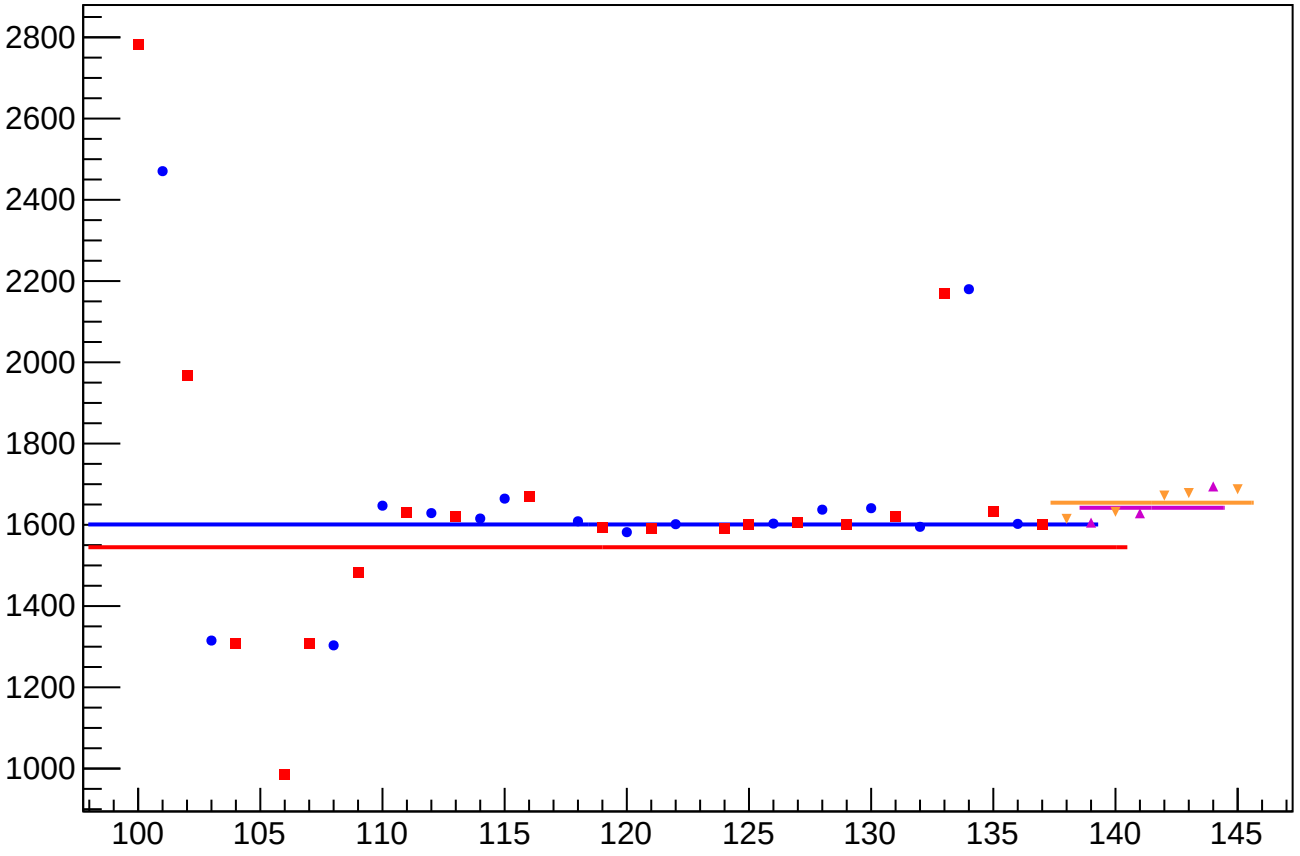
Left In: -3506.929+/-1012.348 χ^2/NDF:1.5/2

+ sign 2565.914+/-492.936 χ^2/NDF: 18.6/20

All: 124.364+/-353.834 χ^2/NDF: 87.2/42

- sign -2470.808+/-508.208 χ^2/NDF: 18.0/21

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

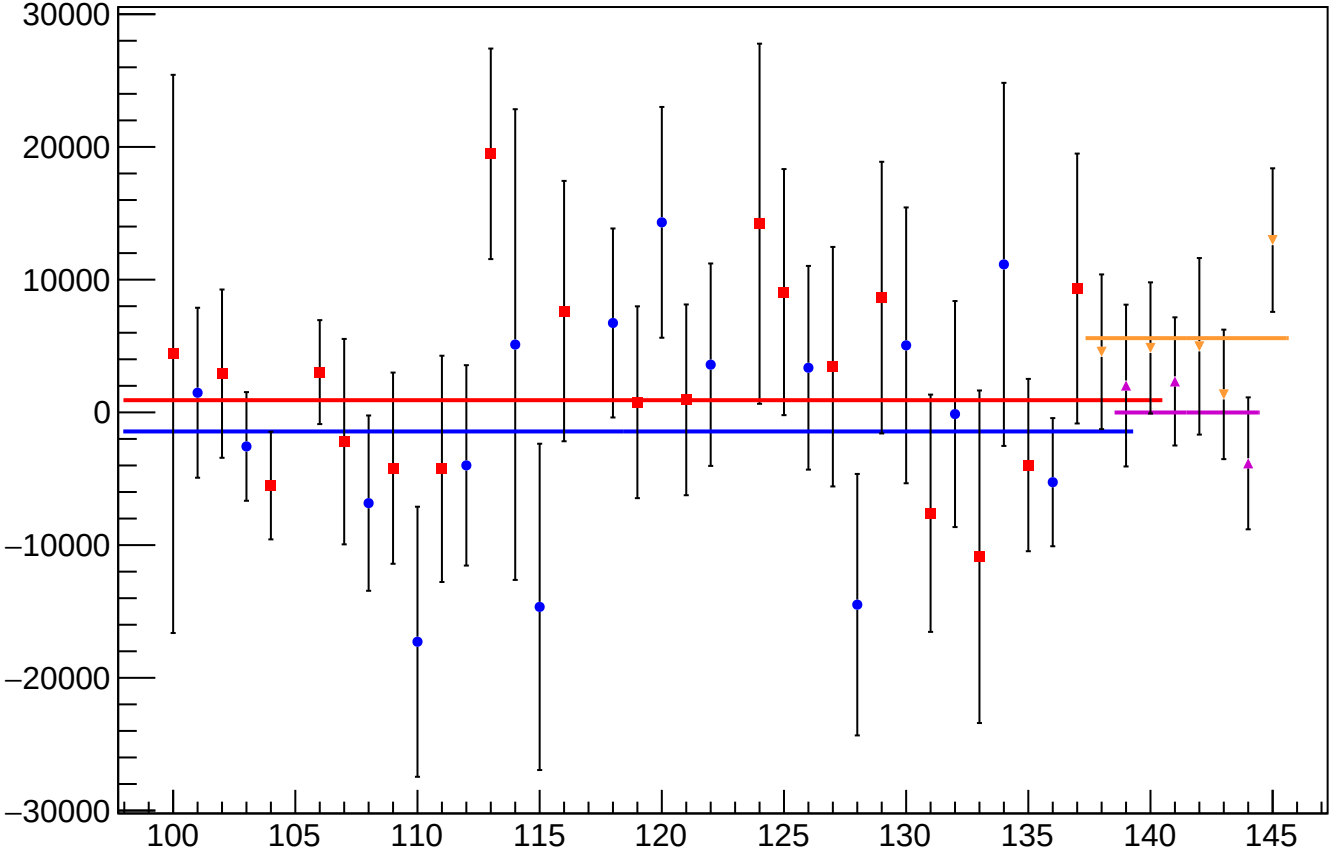
Left In: 1641.941+/-0.716 χ^2/NDF:2727.3/2

+ sign 1618.441+/-0.349 χ^2/NDF: 324935.1/20

All: 1594.004+/-0.249 χ^2/NDF: 727686.7/42

- sign 1568.677+/-0.355 χ^2/NDF: 392742.2/21

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

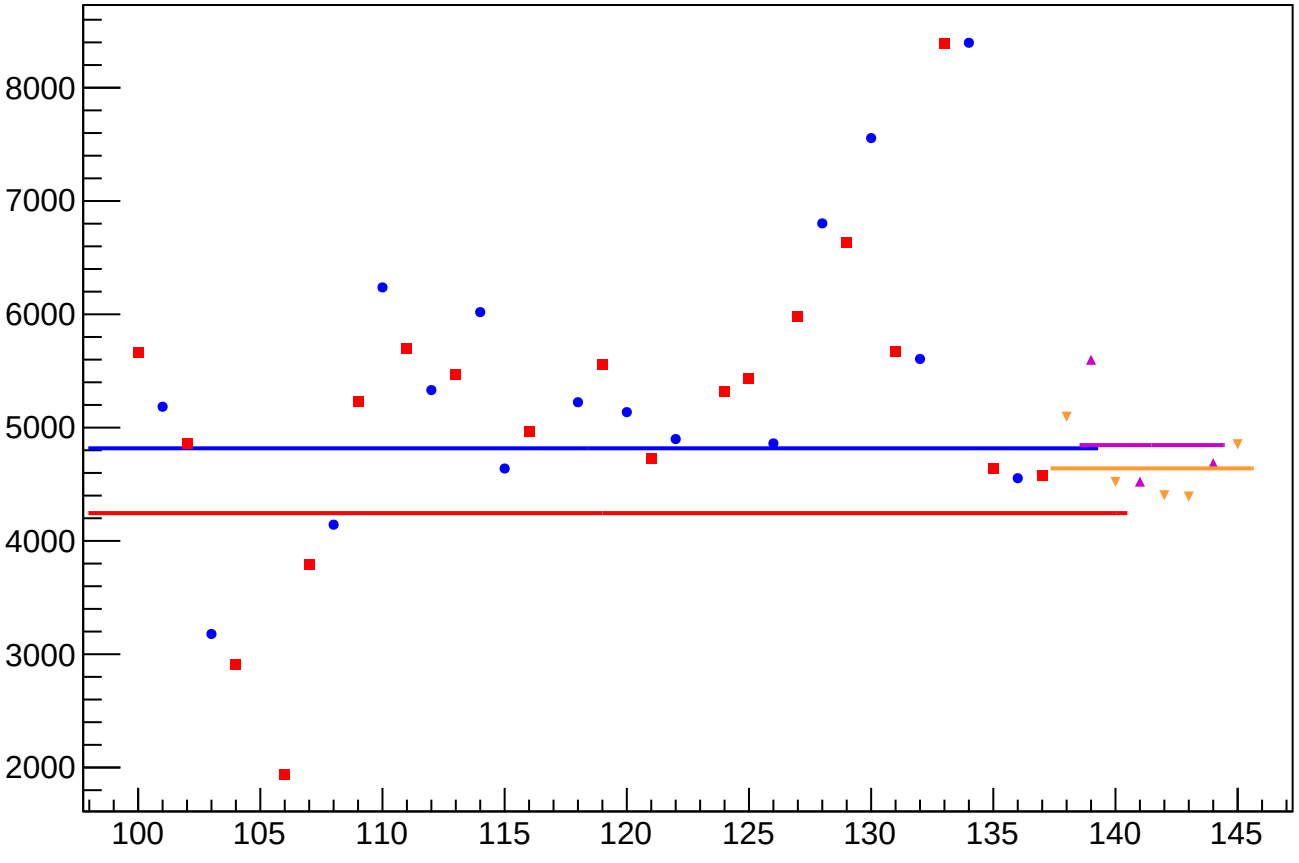
Left In: -8.987+/-3011.387 χ^2/NDF:0.9/2

\+ sign 1137.685+/-1471.370 χ^2/NDF: 21.8/20

All: 917.385+/-1036.364 χ^2/NDF: 38.2/42

\- sign 700.484+/-1459.975 χ^2/NDF: 16.4/21

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

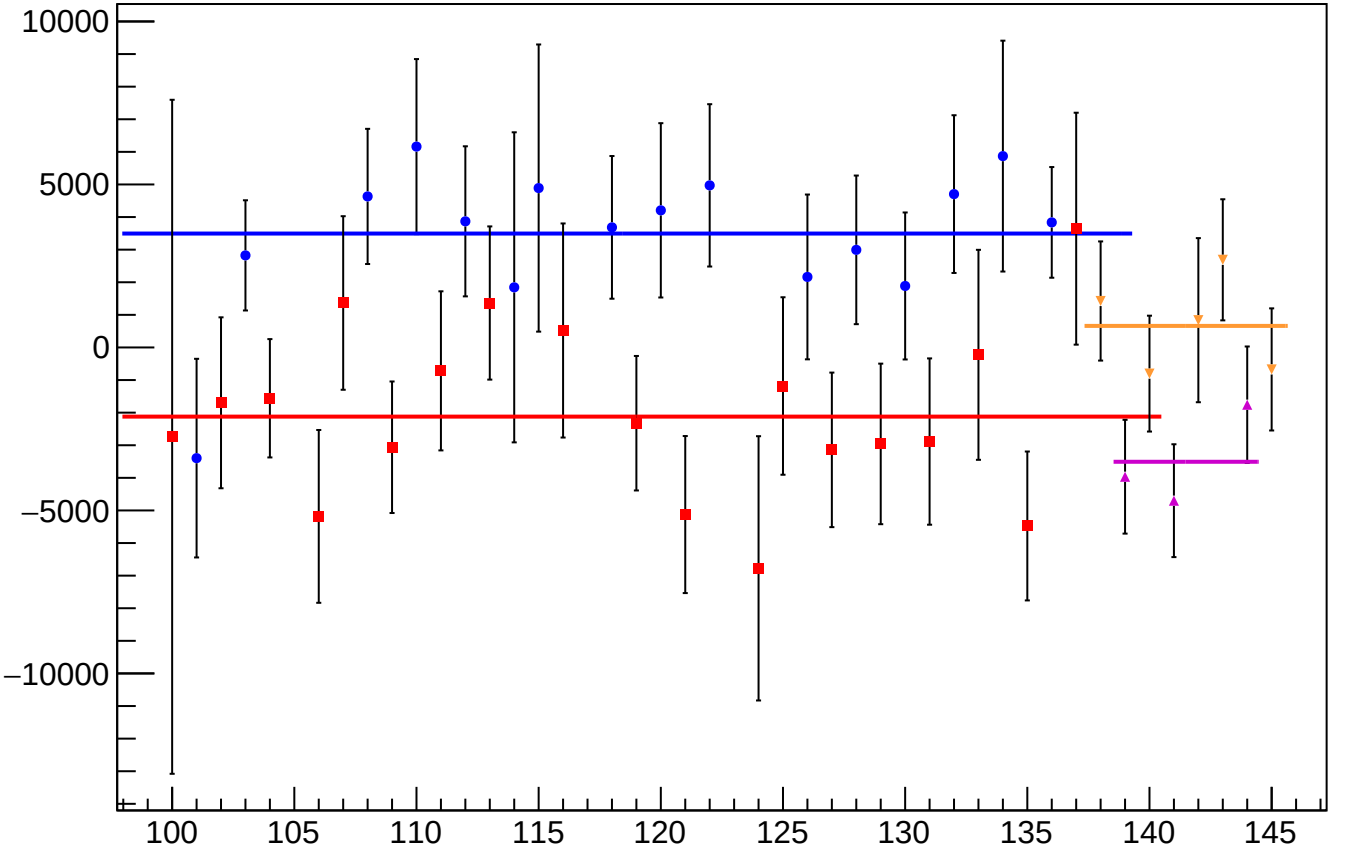
Left In: 4845.830+/-2.129 χ^2/NDF:41502.4/2

+ sign 4752.465+/-1.040 χ^2/NDF: 826397.0/20

All: 4568.127+/-0.733 χ^2/NDF: 2674152.5/42

- sign 4386.632+/-1.032 χ^2/NDF: 1785456.0/21

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

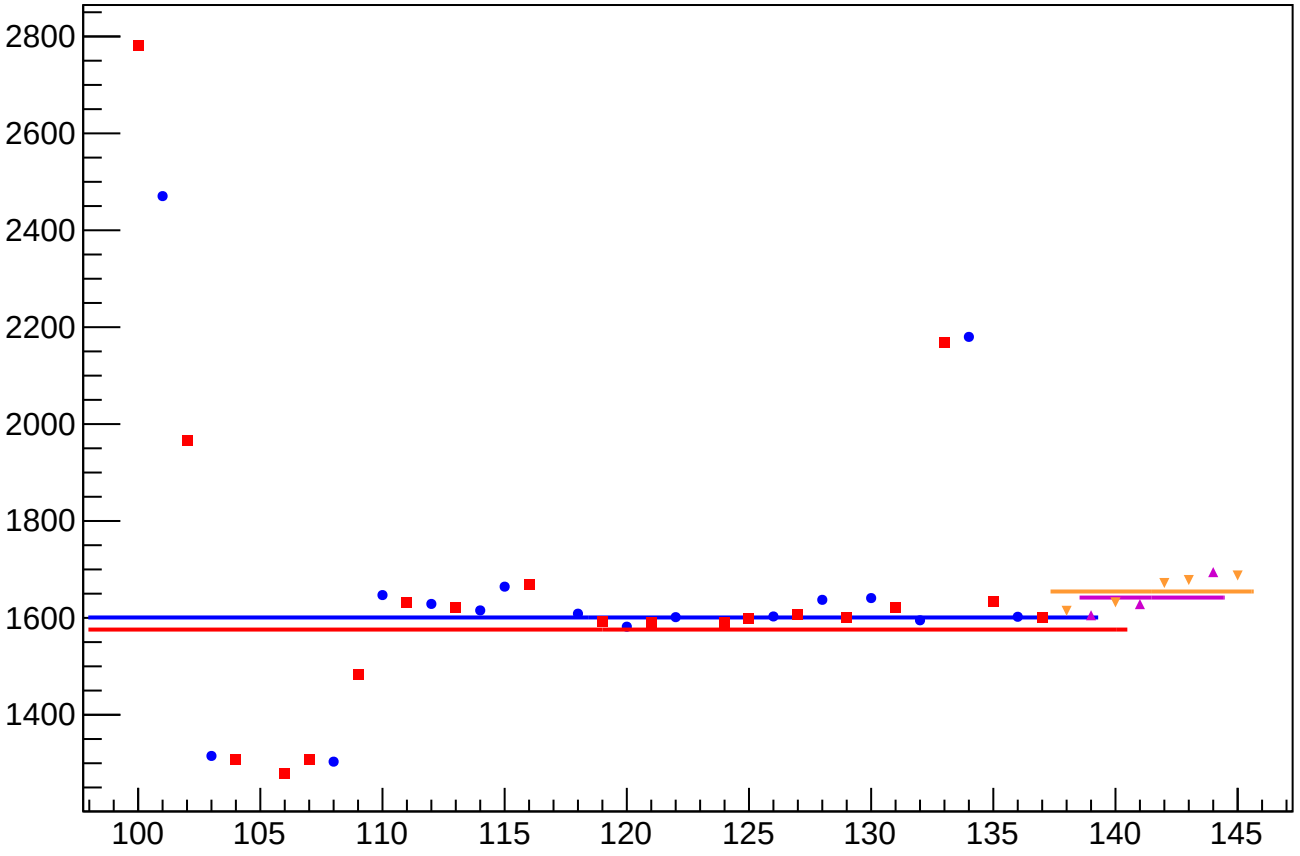
Left In: -3507.146+/-1012.348 χ^2/NDF:1.5/2

+ sign 2565.678+/-492.936 χ^2/NDF: 18.6/20

All: 124.227+/-353.835 χ^2/NDF: 87.3/42

- sign -2470.858+/-508.209 χ^2/NDF: 18.0/21

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

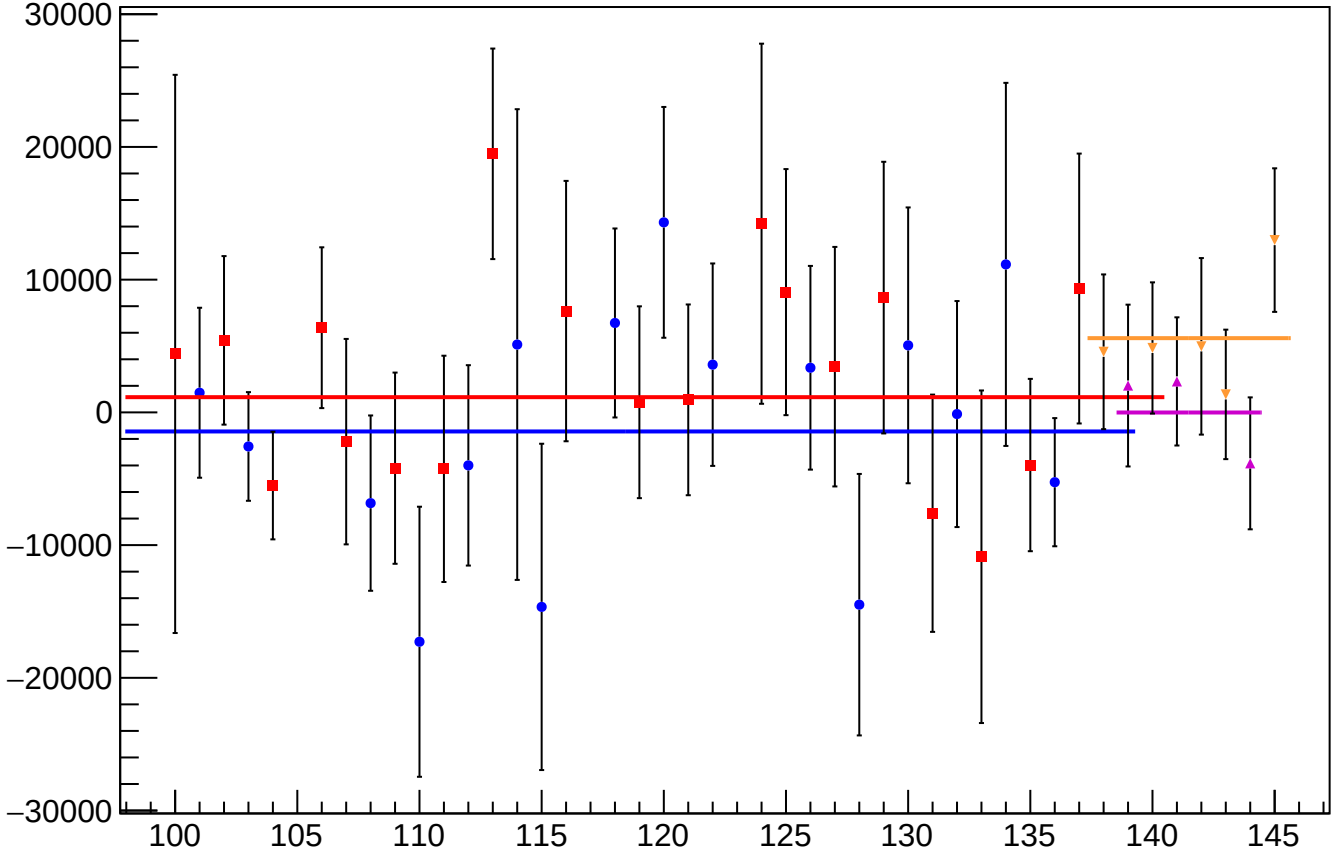
Left In: 1641.941+/-0.716 χ^2/NDF:2727.3/2

+ sign 1618.441+/-0.349 χ^2/NDF: 324934.2/20

All: 1605.801+/-0.250 χ^2/NDF: 580076.7/42

- sign 1592.446+/-0.358 χ^2/NDF: 252438.2/21

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

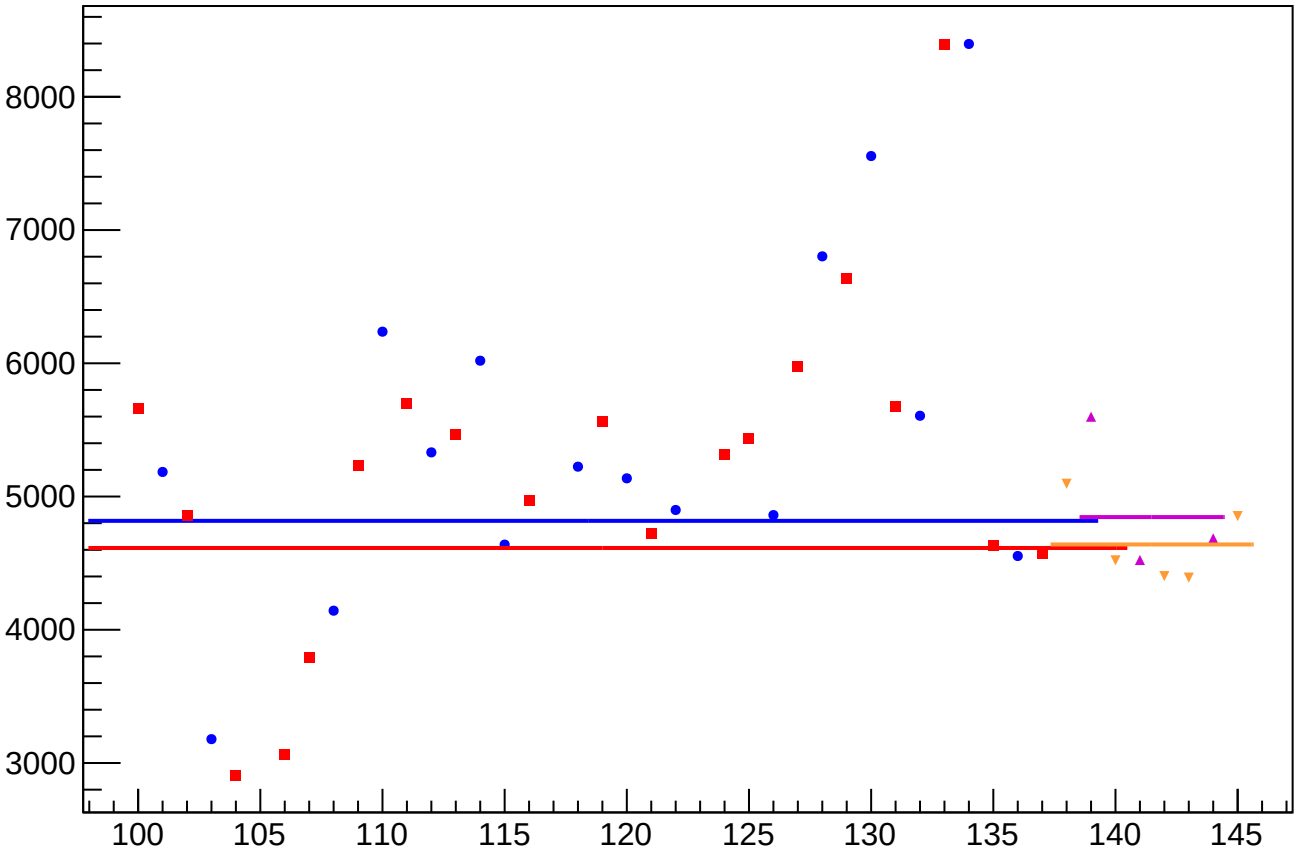
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -9.109+/-3011.382 χ^2/NDF:0.9/2

\+ sign 1137.566+/-1471.387 χ^2/NDF: 21.8/20

All: 999.067+/-1058.195 χ^2/NDF: 39.2/42

\- sign 850.685+/-1522.973 χ^2/NDF: 17.3/21



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

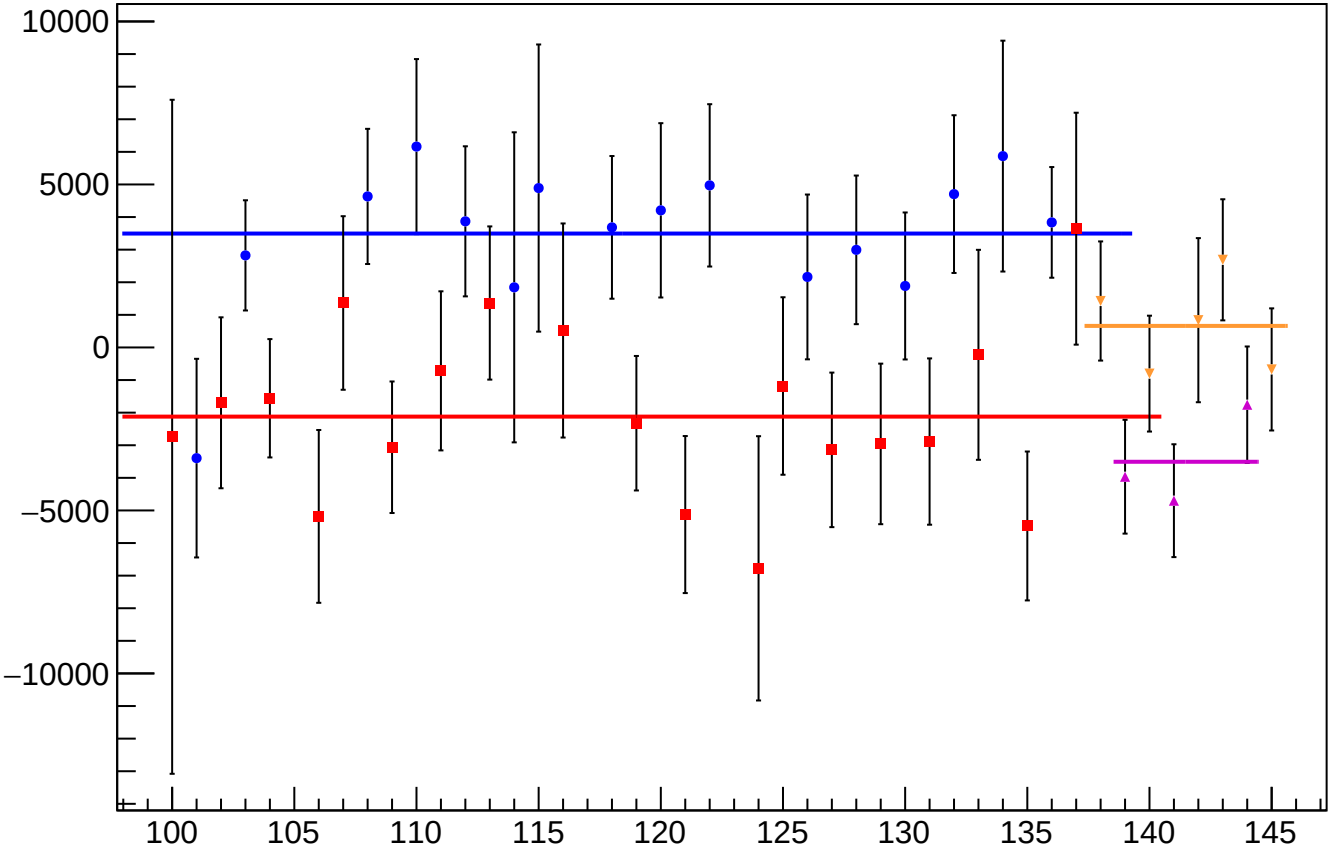
Left In: 4845.822+/-2.129 χ^2/NDF:41503.4/2

+ sign 4752.542+/-1.040 χ^2/NDF: 826212.5/20

All: 4714.229+/-0.748 χ^2/NDF: 1857315.2/42

- sign 4673.182+/-1.077 χ^2/NDF: 1028293.8/21

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

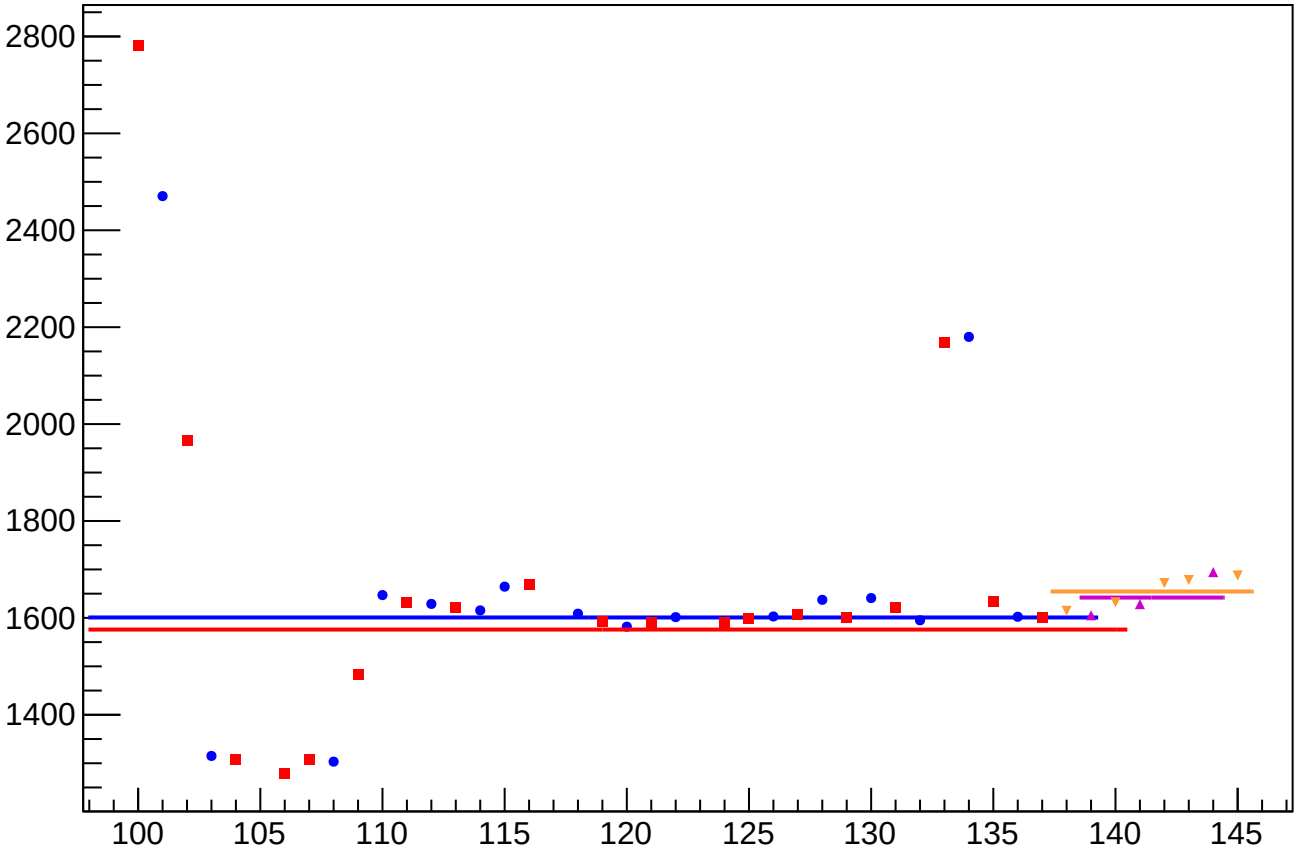
Left In: -3507.146+/-1012.348 χ^2/NDF:1.5/2

+ sign 2565.678+/-492.936 χ^2/NDF: 18.6/20

All: 124.227+/-353.835 χ^2/NDF: 87.3/42

- sign -2470.858+/-508.209 χ^2/NDF: 18.0/21

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

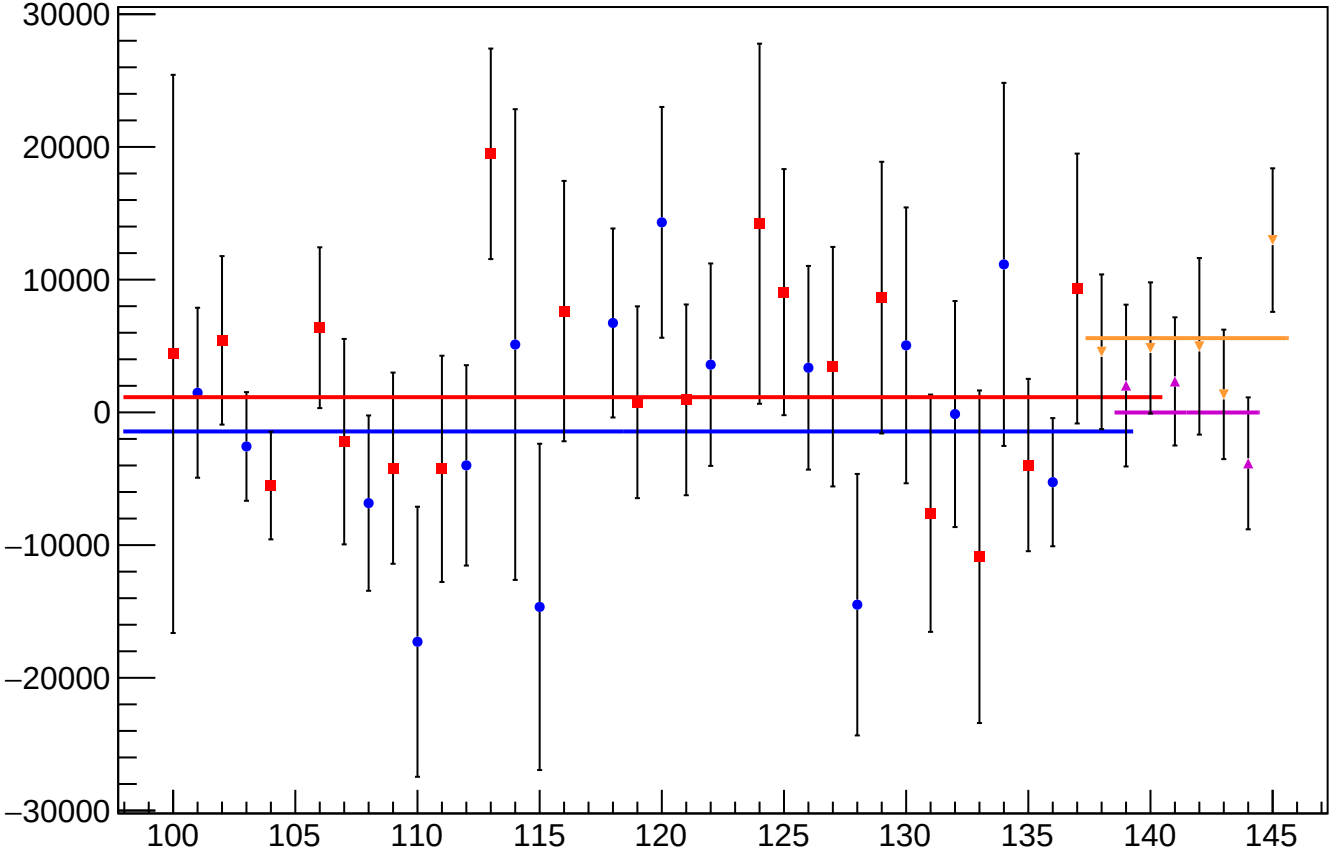
Left In: 1641.941+/-0.716 χ^2/NDF:2727.3/2

+ sign 1618.441+/-0.349 χ^2/NDF: 324934.2/20

All: 1605.801+/-0.250 χ^2/NDF: 580076.7/42

- sign 1592.446+/-0.358 χ^2/NDF: 252438.2/21

asym_usr_atr2_avg_eigen_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

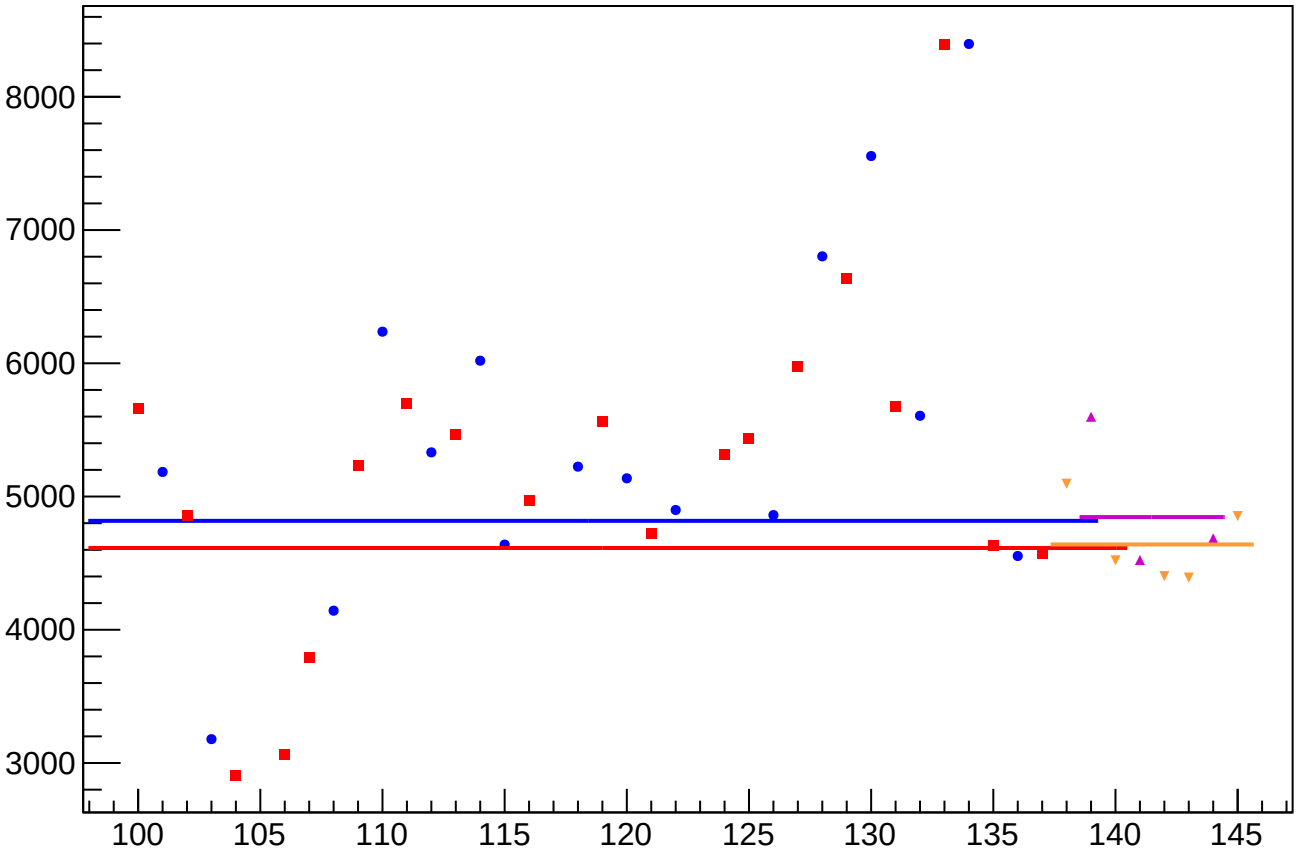
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -9.109+/-3011.382 χ^2/NDF:0.9/2

+ sign 1137.566+/-1471.387 χ^2/NDF: 21.8/20

All: 999.067+/-1058.195 χ^2/NDF: 39.2/42

- sign 850.685+/-1522.973 χ^2/NDF: 17.3/21



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

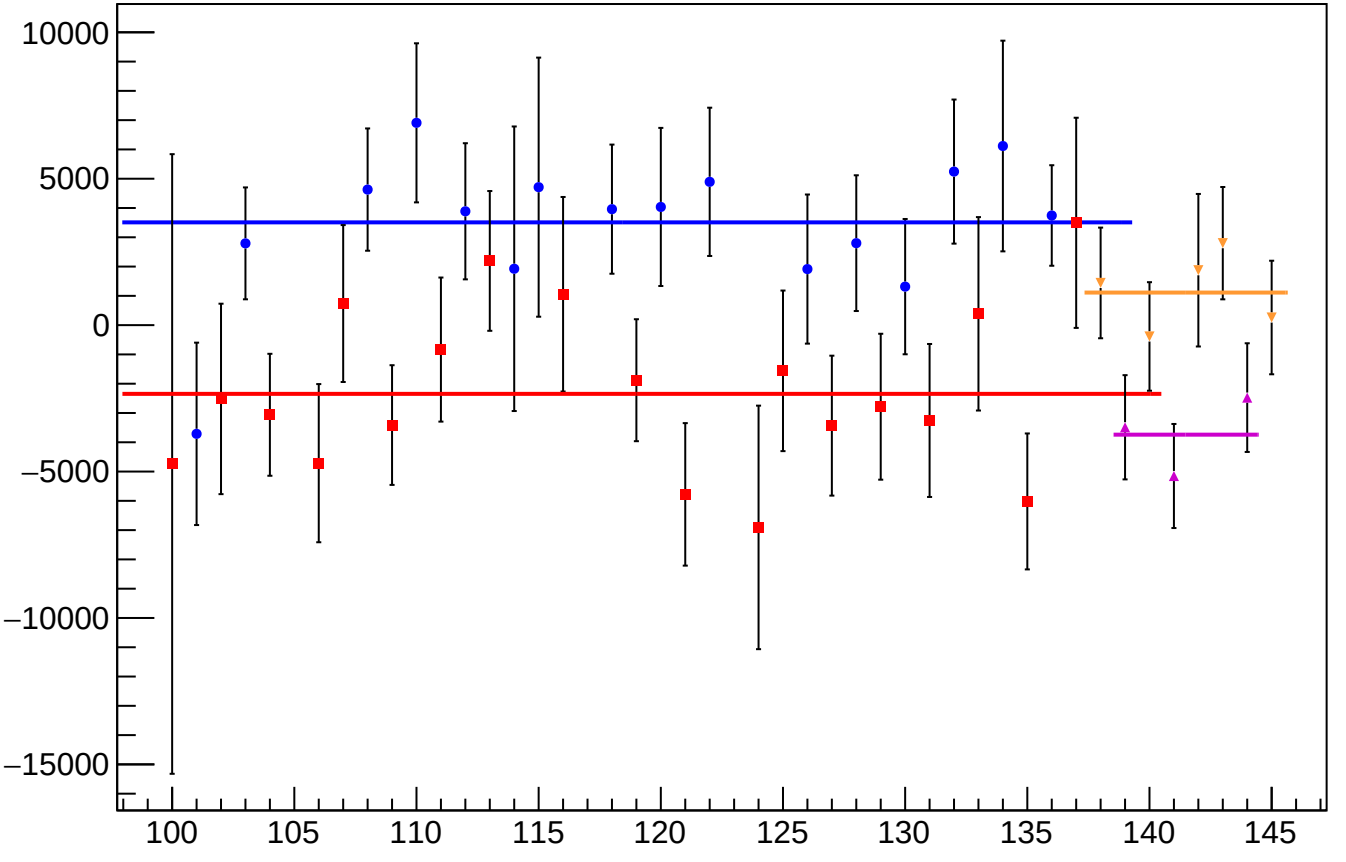
Left In: 4845.822+/-2.129 χ^2/NDF:41503.4/2

+ sign 4752.542+/-1.040 χ^2/NDF: 826212.5/20

All: 4714.229+/-0.748 χ^2/NDF: 1857315.2/42

- sign 4673.182+/-1.077 χ^2/NDF: 1028293.8/21

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

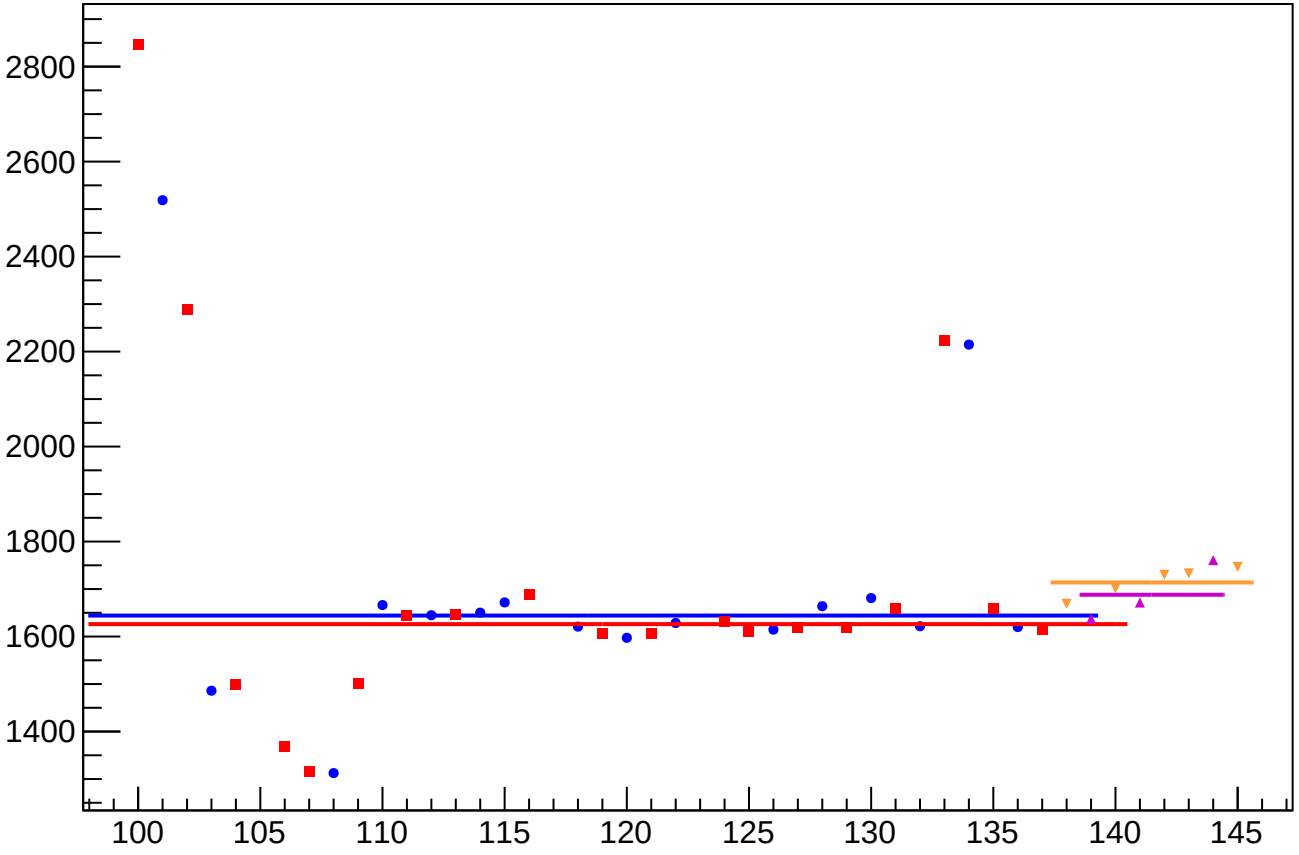
Left In: -3740.287+/-1041.000 χ^2/NDF:1.1/2

+ sign 2734.371+/-507.305 χ^2/NDF: 17.0/20

All: 108.307+/-364.711 χ^2/NDF: 92.0/42

- sign -2700.850+/-524.692 χ^2/NDF: 19.6/21

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

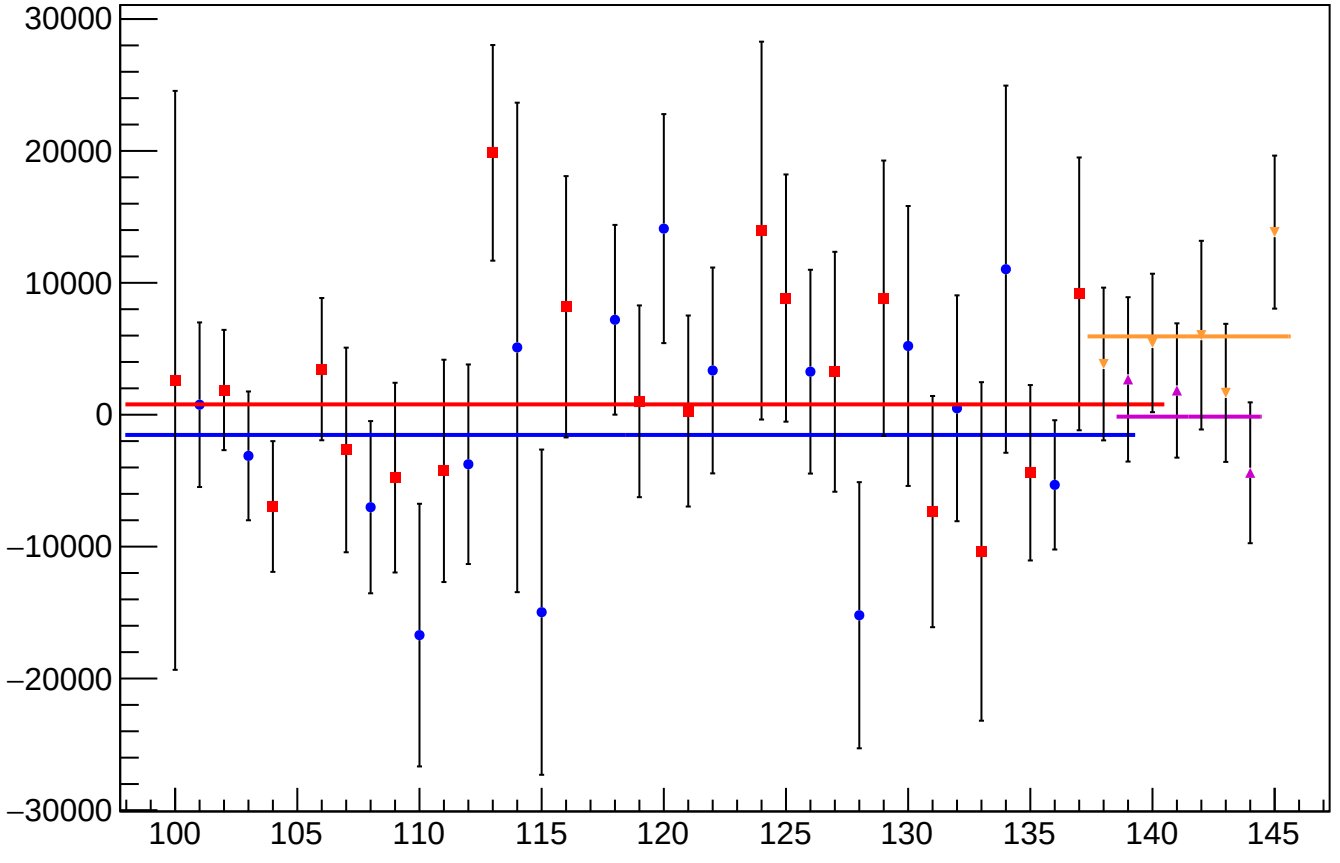
Left In: 1687.964+/-0.736 χ^2/NDF:4881.7/2

+ sign 1666.738+/-0.359 χ^2/NDF: 285148.5/20

All: 1654.706+/-0.258 χ^2/NDF: 535255.0/42

- sign 1641.851+/-0.371 χ^2/NDF: 247779.4/21

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

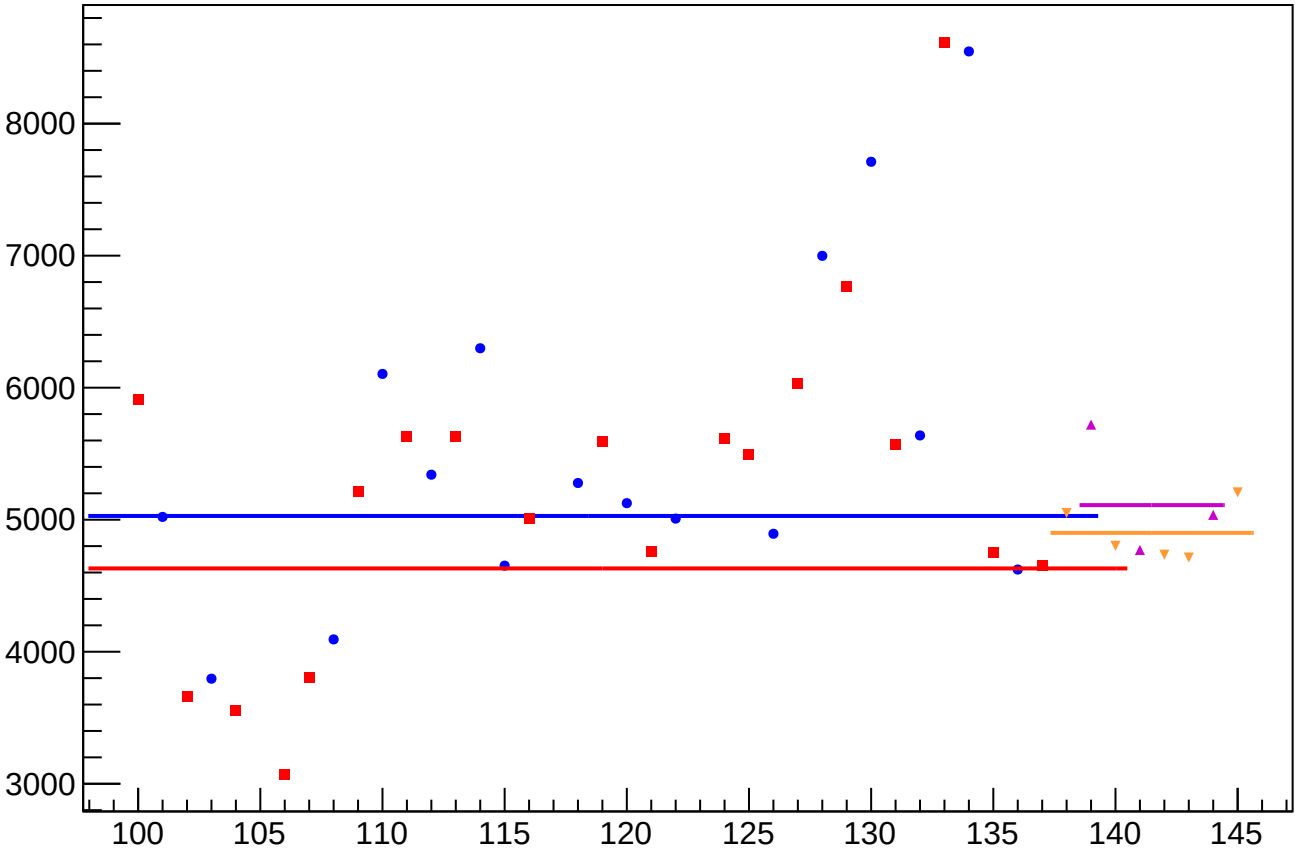
Left In: -145.808+/-3171.813 χ^2/NDF:1.0/2

\+ sign 1138.215+/-1534.090 χ^2/NDF: 22.0/20

All: 852.318+/-1083.774 χ^2/NDF: 38.2/42

\- sign 567.463+/-1531.291 χ^2/NDF: 16.1/21

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

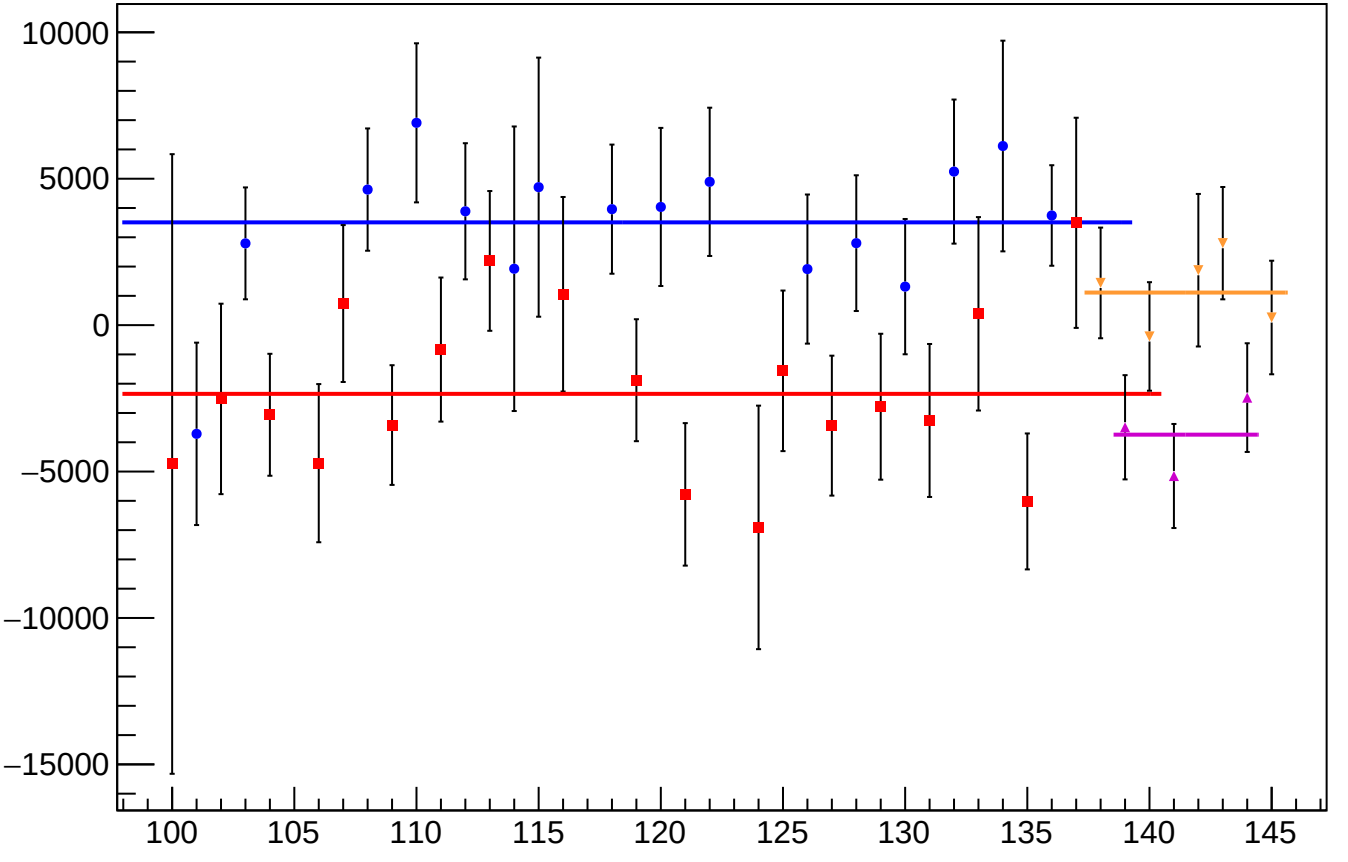
Left In: 5110.703+/-2.243 χ^2/NDF:28445.2/2

+ sign 4982.629+/-1.085 χ^2/NDF: 579928.3/20

All: 4862.461+/-0.766 χ^2/NDF: 1531485.7/42

- sign 4742.732+/-1.083 χ^2/NDF: 927058.9/21

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

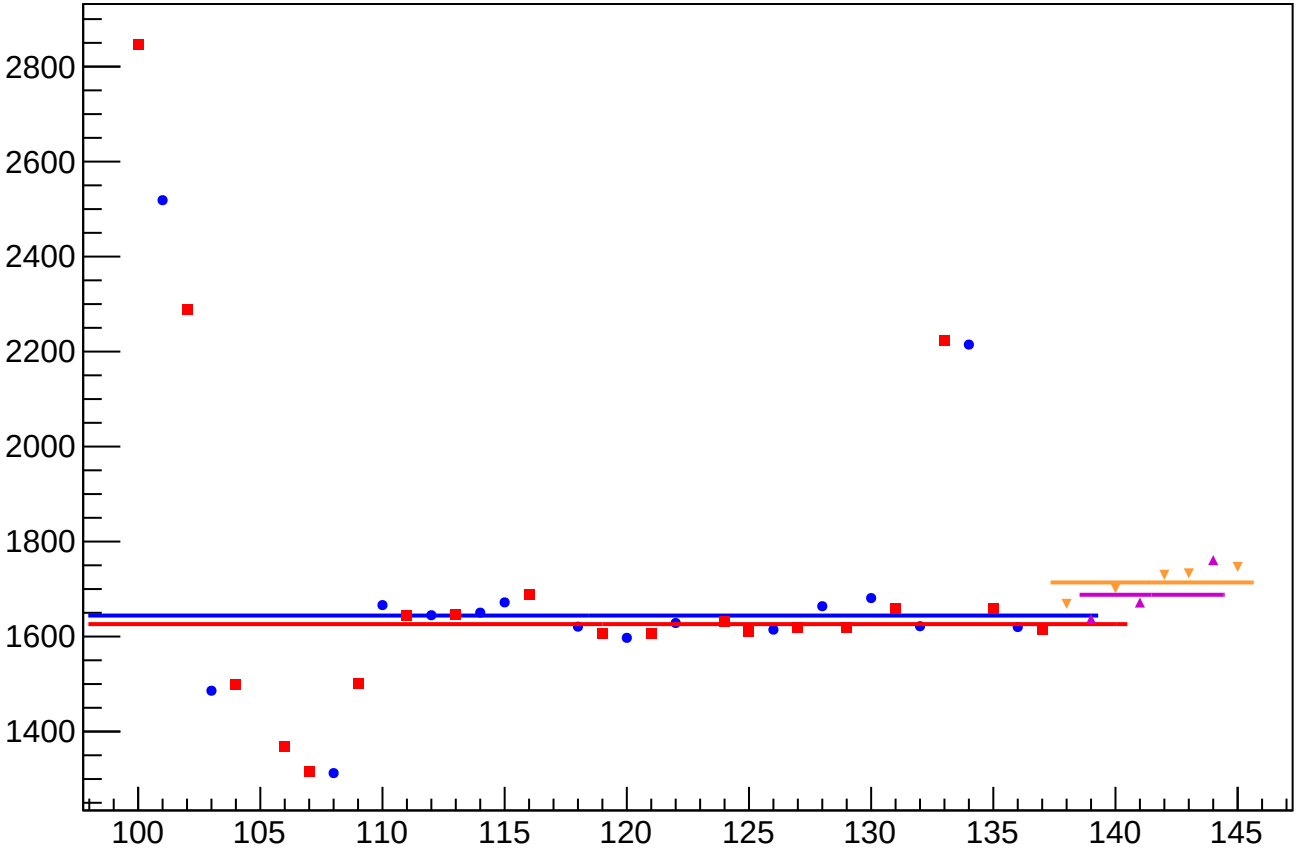
Left In: -3740.275+/-1041.001 χ^2/NDF:1.1/2

+ sign 2734.376+/-507.305 χ^2/NDF: 17.0/20

All: 108.308+/-364.711 χ^2/NDF: 92.0/42

- sign -2700.851+/-524.692 χ^2/NDF: 19.6/21

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

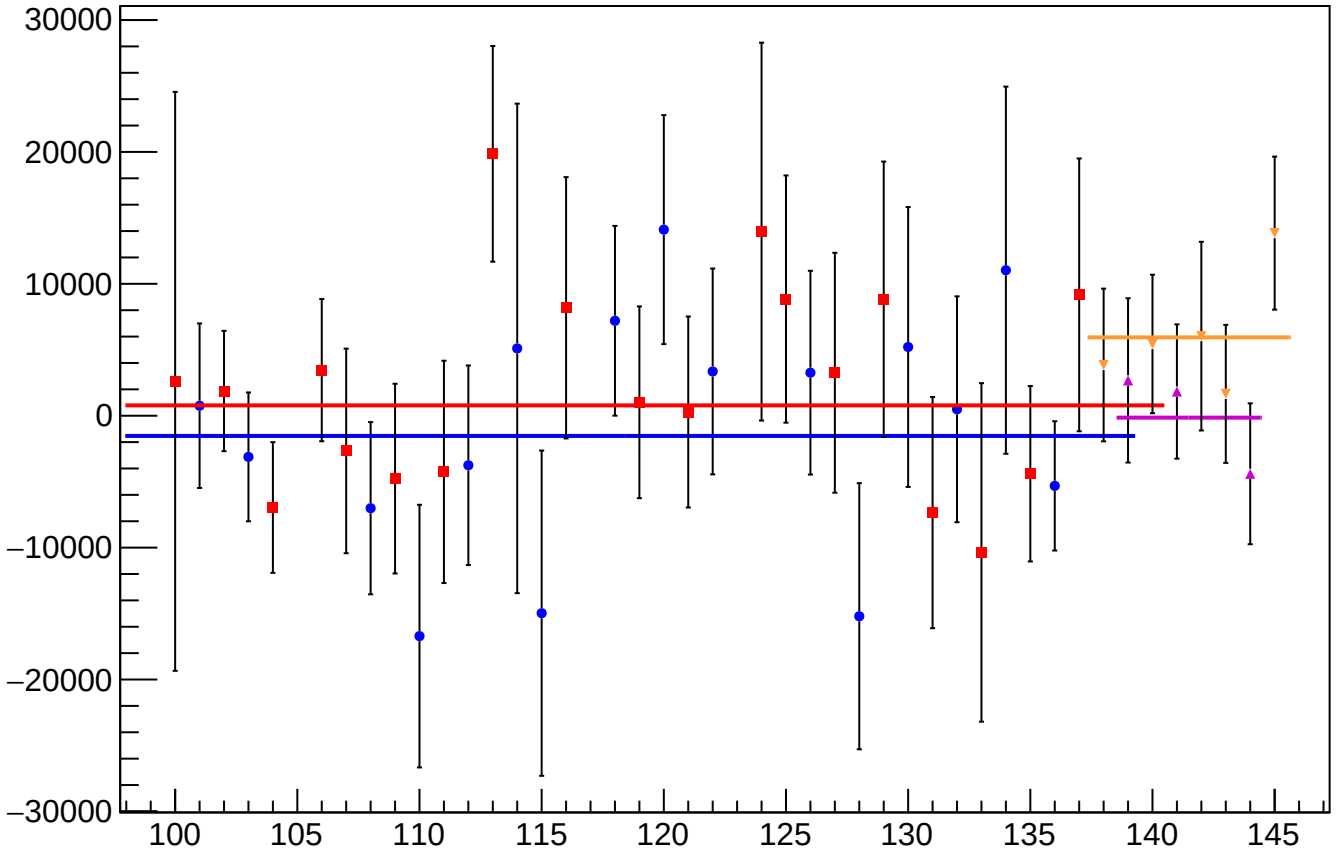
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1687.965+/-0.736 χ^2/NDF:4881.7/2

+ sign 1666.738+/-0.359 χ^2/NDF: 285149.1/20

All: 1654.706+/-0.258 χ^2/NDF: 535255.5/42

- sign 1641.851+/-0.371 χ^2/NDF: 247779.2/21



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 5938.443+/-2565.934 χ^2/NDF:2.7/4

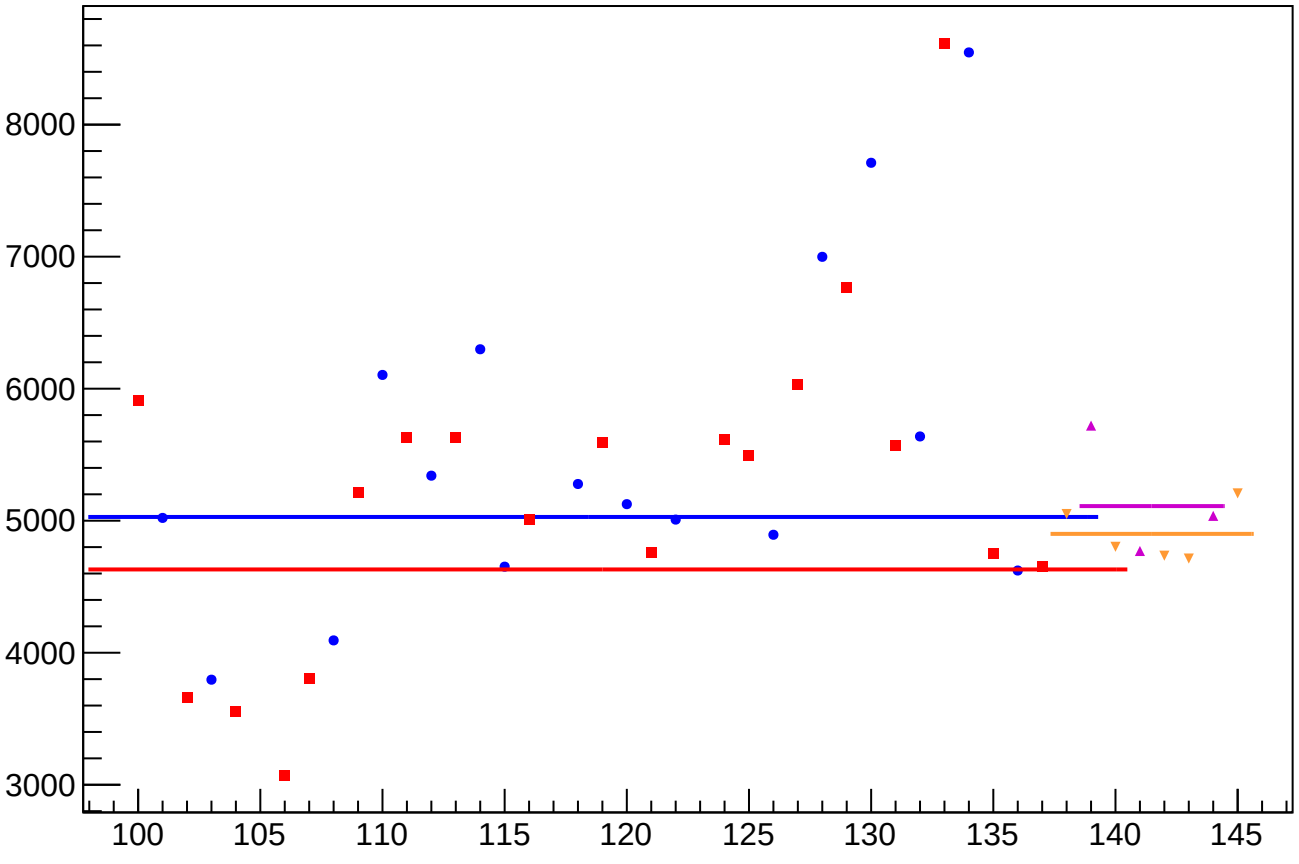
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -145.797+/-3171.816 χ^2/NDF:1.0/2

\+ sign 1138.217+/-1534.089 χ^2/NDF: 22.0/20

All: 852.321+/-1083.774 χ^2/NDF: 38.2/42

\- sign 567.467+/-1531.290 χ^2/NDF: 16.1/21



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

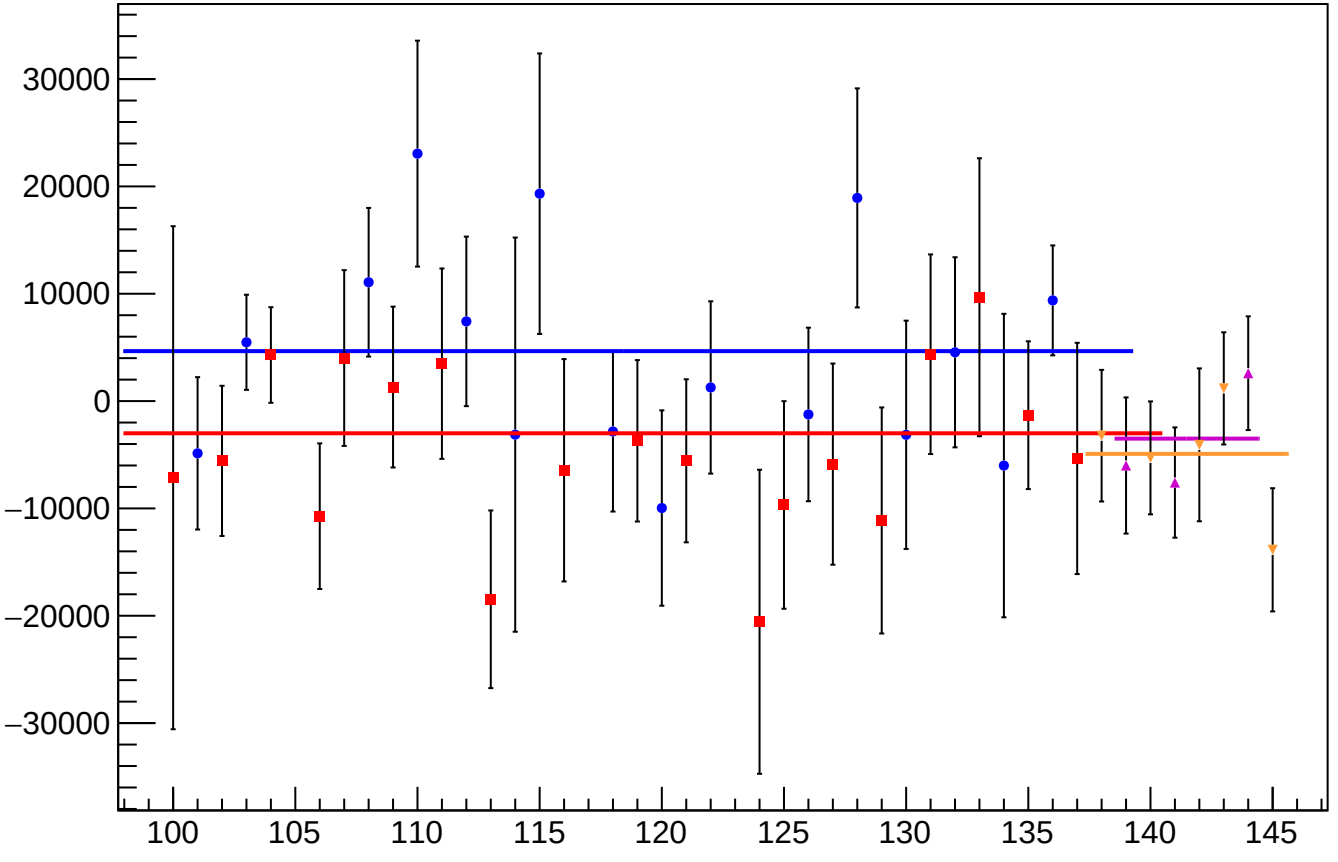
Left In: 5110.709+/-2.243 χ^2/NDF:28446.0/2

+ sign 4982.627+/-1.085 χ^2/NDF: 579921.6/20

All: 4862.459+/-0.766 χ^2/NDF: 1531476.1/42

- sign 4742.728+/-1.083 χ^2/NDF: 927055.4/21

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

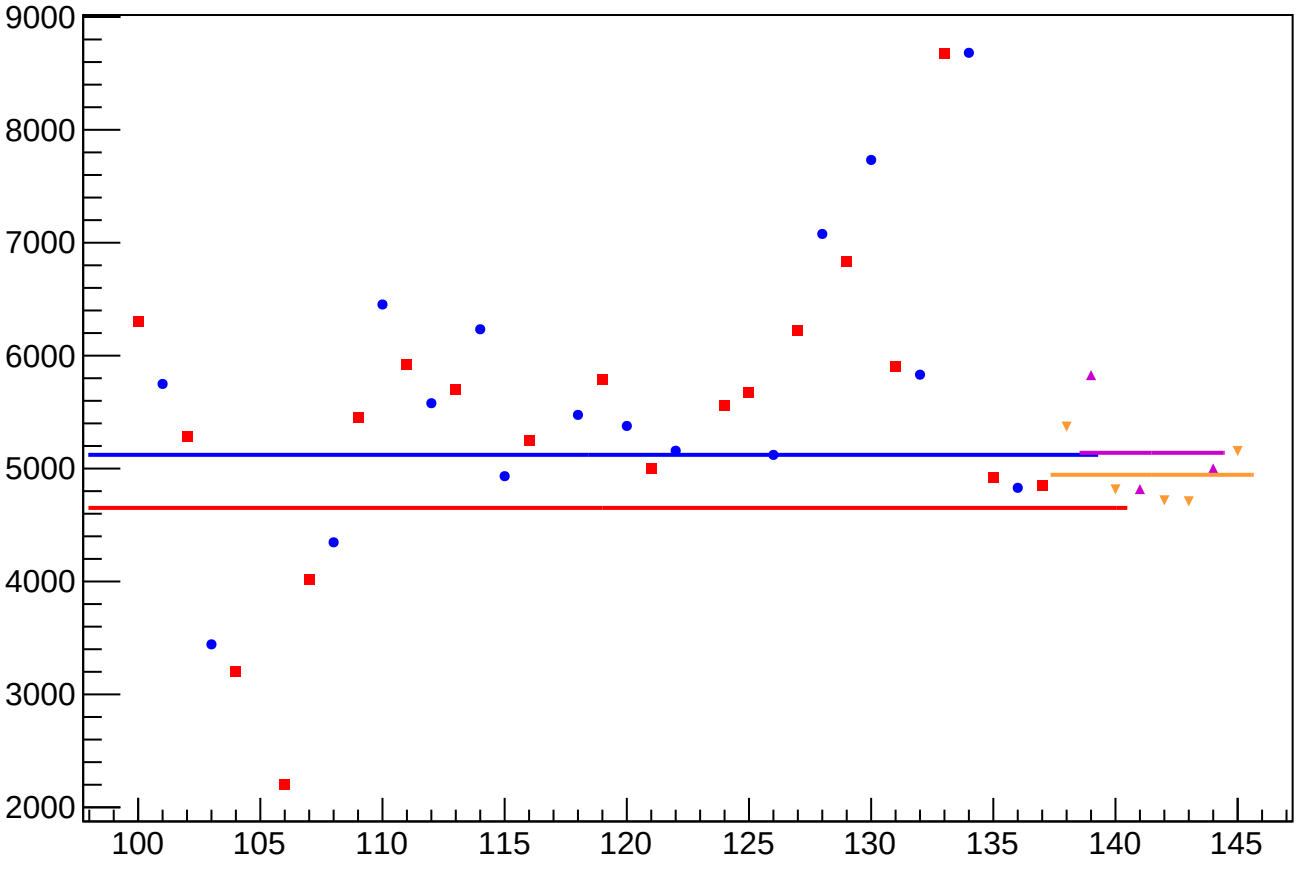
Left In: -3497.203+/-3188.397 χ^2/NDF:2.1/2

+ sign 1166.326+/-1561.514 χ^2/NDF: 28.1/20

All: -900.891+/-1124.681 χ^2/NDF: 47.7/42

- sign -3129.281+/-1621.245 χ^2/NDF: 16.0/21

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

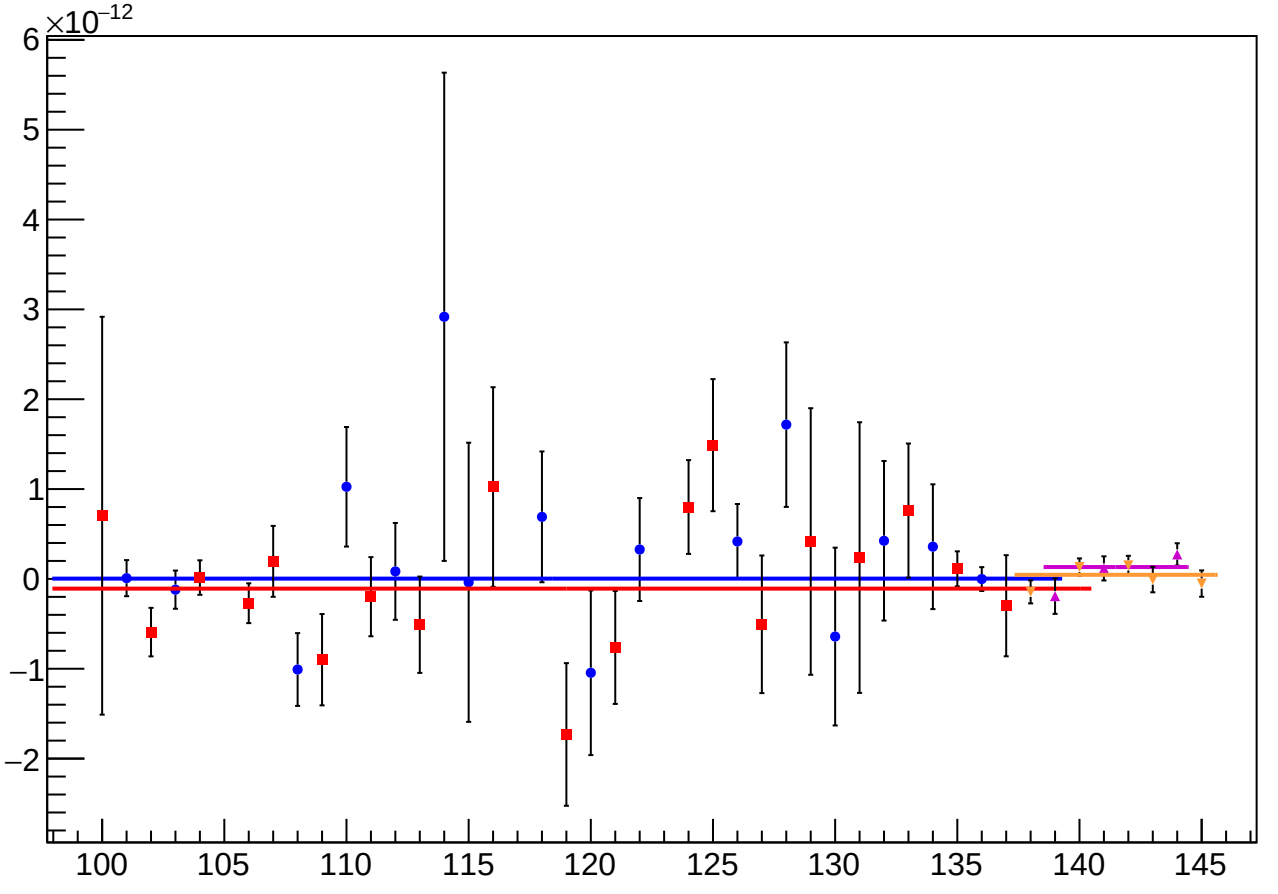
Left In: 5139.584+/-2.255 χ^2/NDF:32728.2/2

+ sign 5057.212+/-1.104 χ^2/NDF: 745945.2/20

All: 4915.142+/-0.784 χ^2/NDF: 2192334.8/42

- sign 4770.697+/-1.113 χ^2/NDF: 1413001.7/21

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

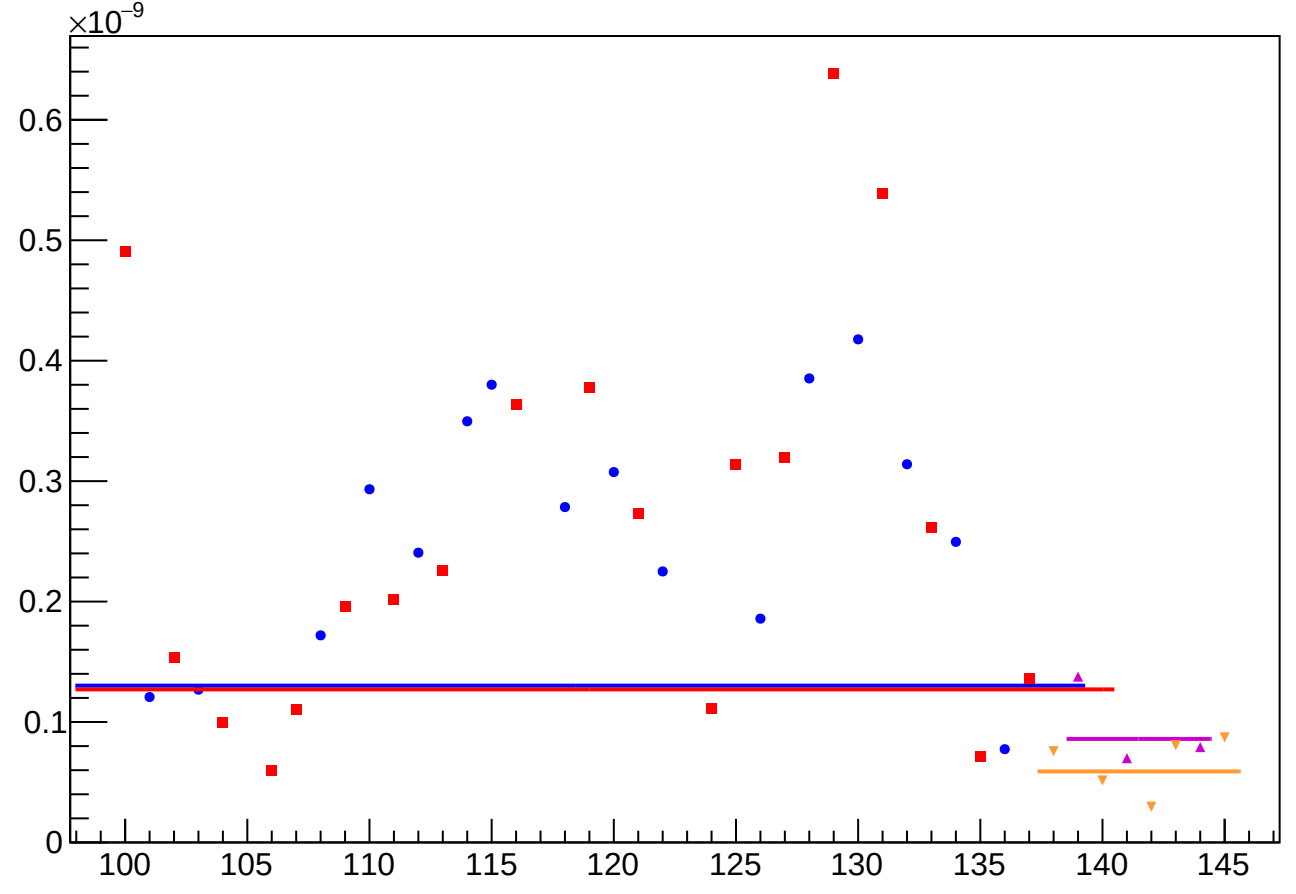
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/20

All: 0.000+/-0.000 χ^2/NDF: 55.8/42

- sign 0.000+/-0.000 χ^2/NDF: 33.0/21



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:320770.0/4

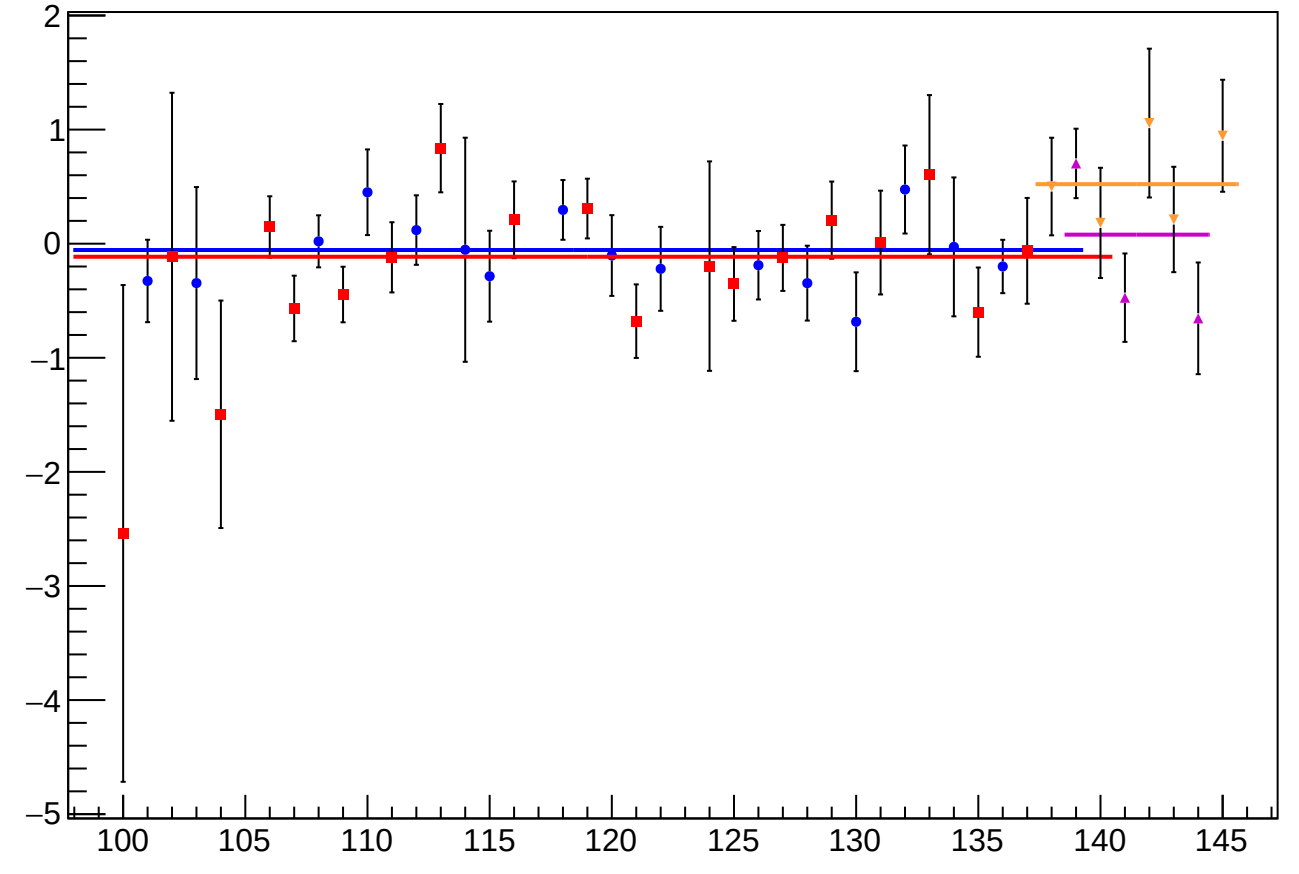
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:171736.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 2634809.1/20

All: 0.000+/-0.000 χ^2/NDF: 5011141.5/42

- sign 0.000+/-0.000 χ^2/NDF: 2133307.1/21



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

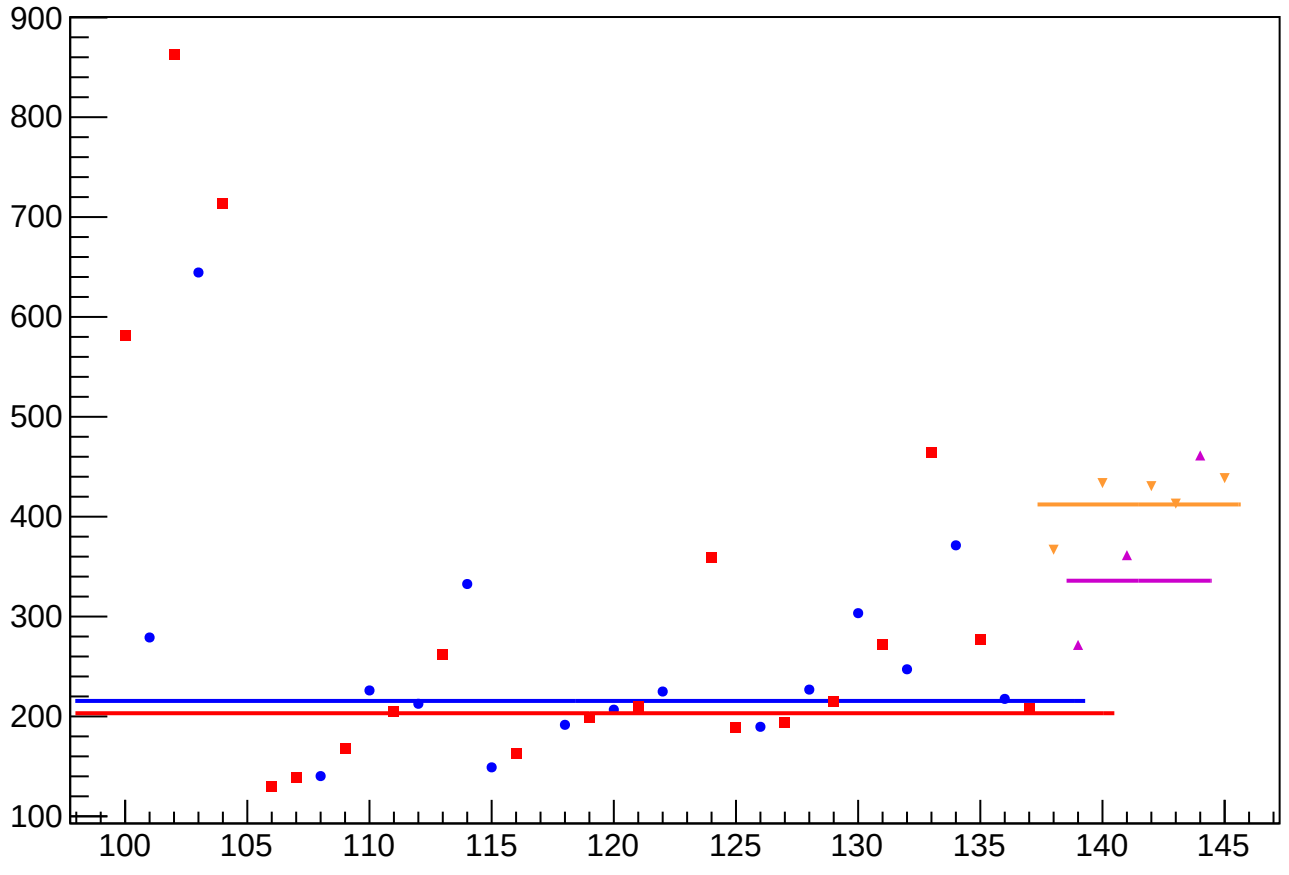
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.215 χ^2/NDF:8.5/2

+ sign 0.021+/-0.080 χ^2/NDF: 19.1/20

All: -0.035+/-0.056 χ^2/NDF: 54.5/42

- sign -0.089+/-0.078 χ^2/NDF: 34.4/21



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 412.244+/-0.154 χ^2/NDF:33737.9/4

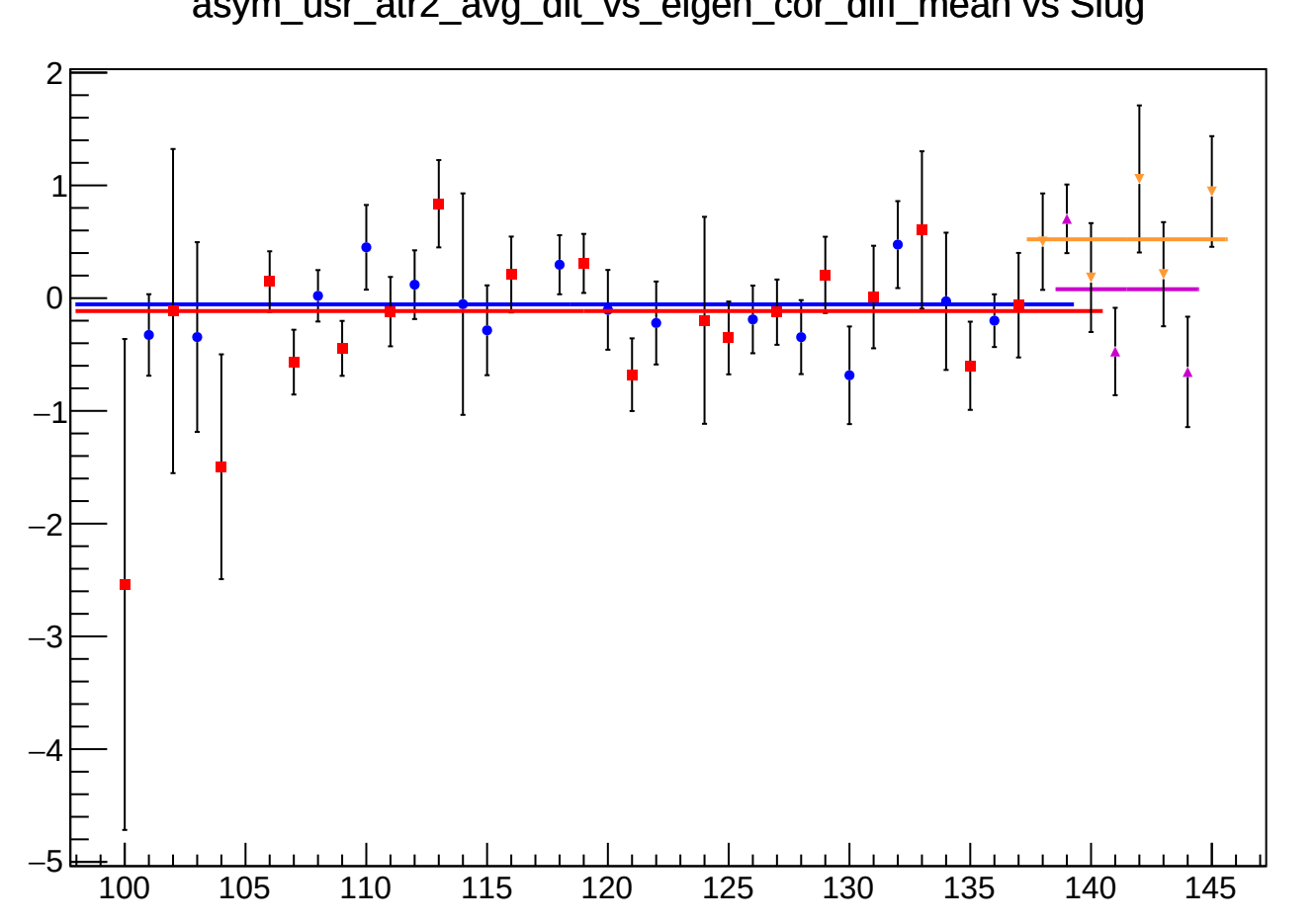
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.887+/-0.152 χ^2/NDF:229262.3/2

+ sign 241.627+/-0.056 χ^2/NDF: 2588630.8/20

All: 230.793+/-0.039 χ^2/NDF: 5388136.0/42

- sign 220.494+/-0.055 χ^2/NDF: 2727227.6/21



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

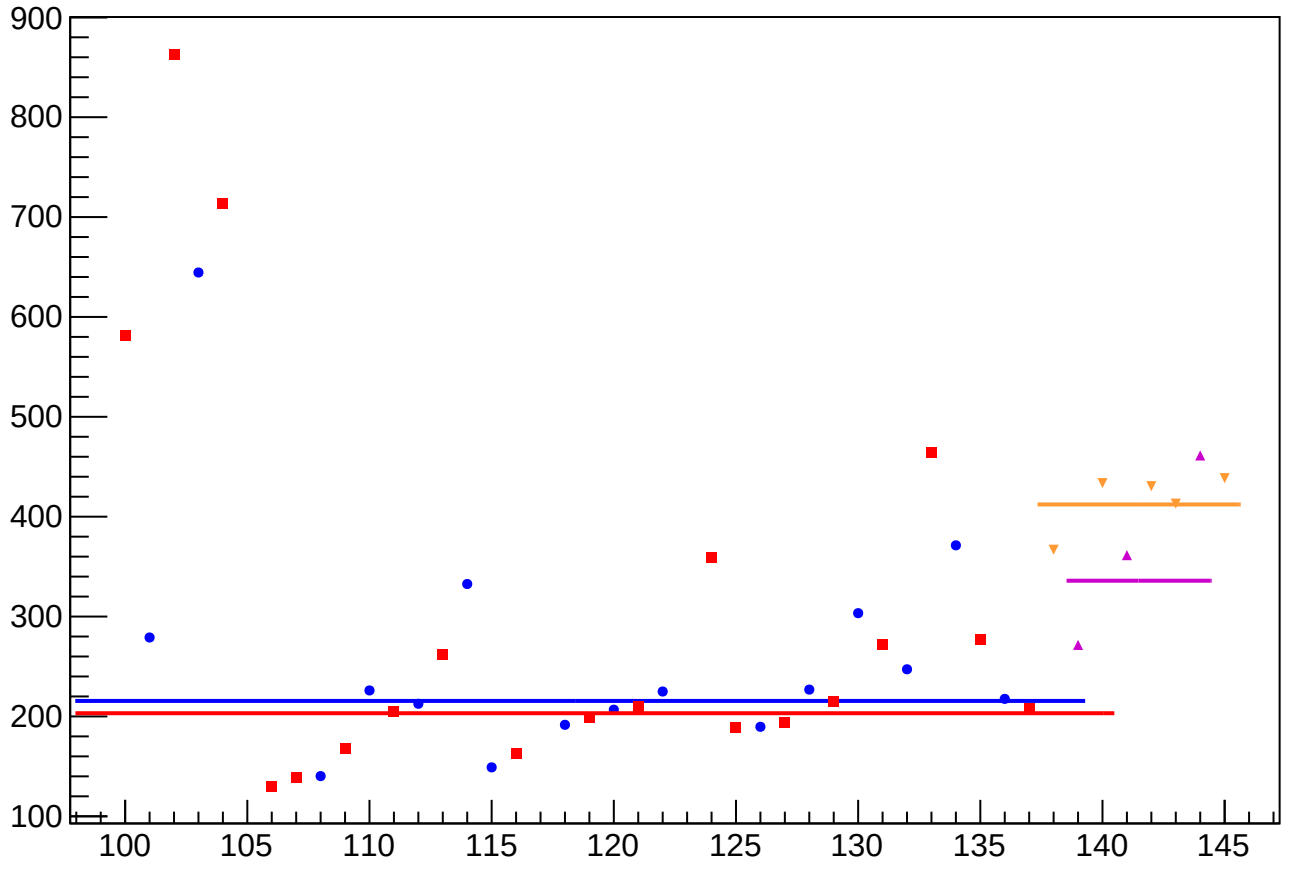
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.215 χ^2/NDF:8.5/2

+ sign 0.021+/-0.080 χ^2/NDF: 19.1/20

All: -0.035+/-0.056 χ^2/NDF: 54.5/42

- sign -0.089+/-0.078 χ^2/NDF: 34.4/21



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 412.244+/-0.154 χ^2/NDF:33737.9/4

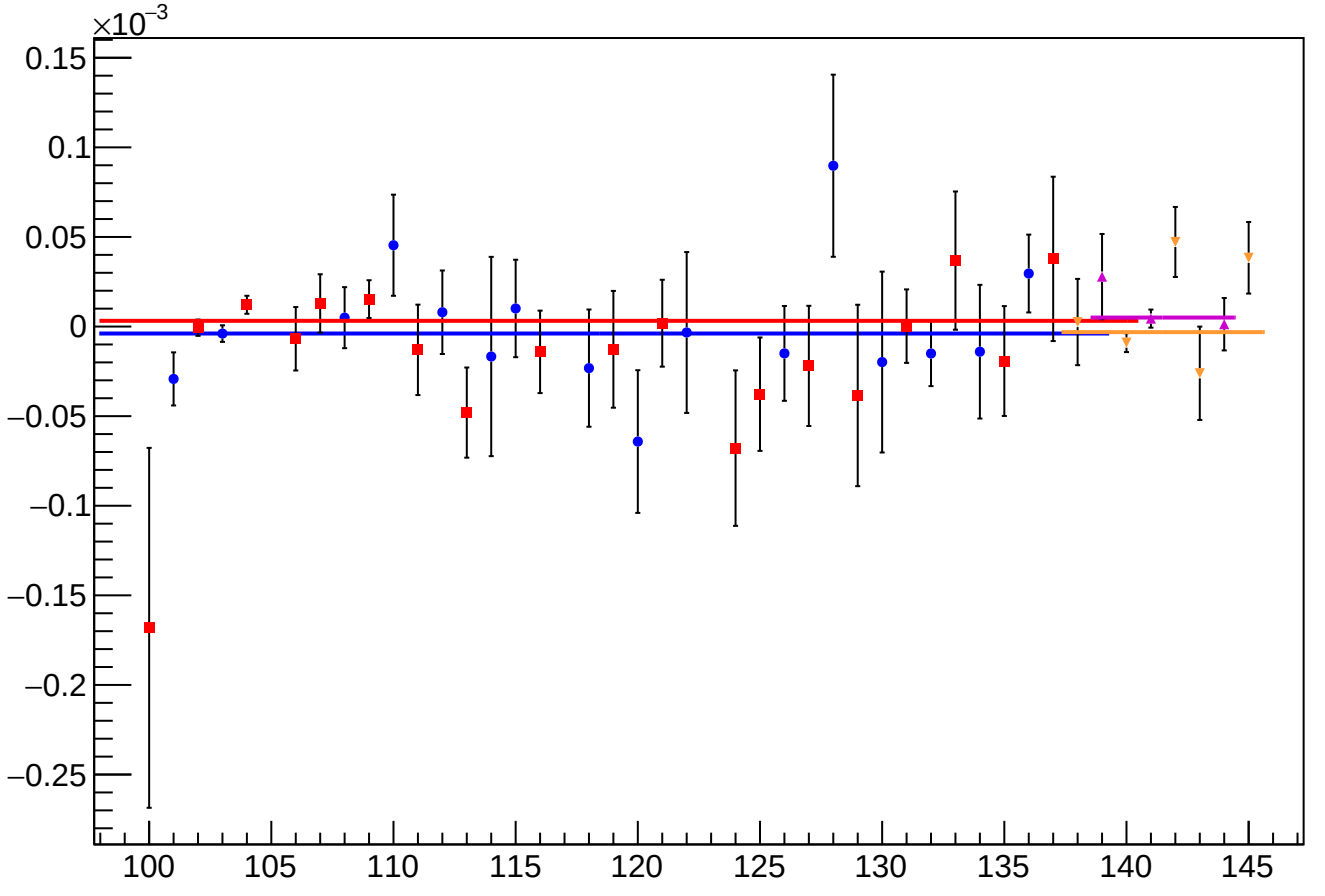
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.887+/-0.152 χ^2/NDF:229262.3/2

+ sign 241.627+/-0.056 χ^2/NDF: 2588630.8/20

All: 230.793+/-0.039 χ^2/NDF: 5388136.0/42

- sign 220.494+/-0.055 χ^2/NDF: 2727227.6/21



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/4

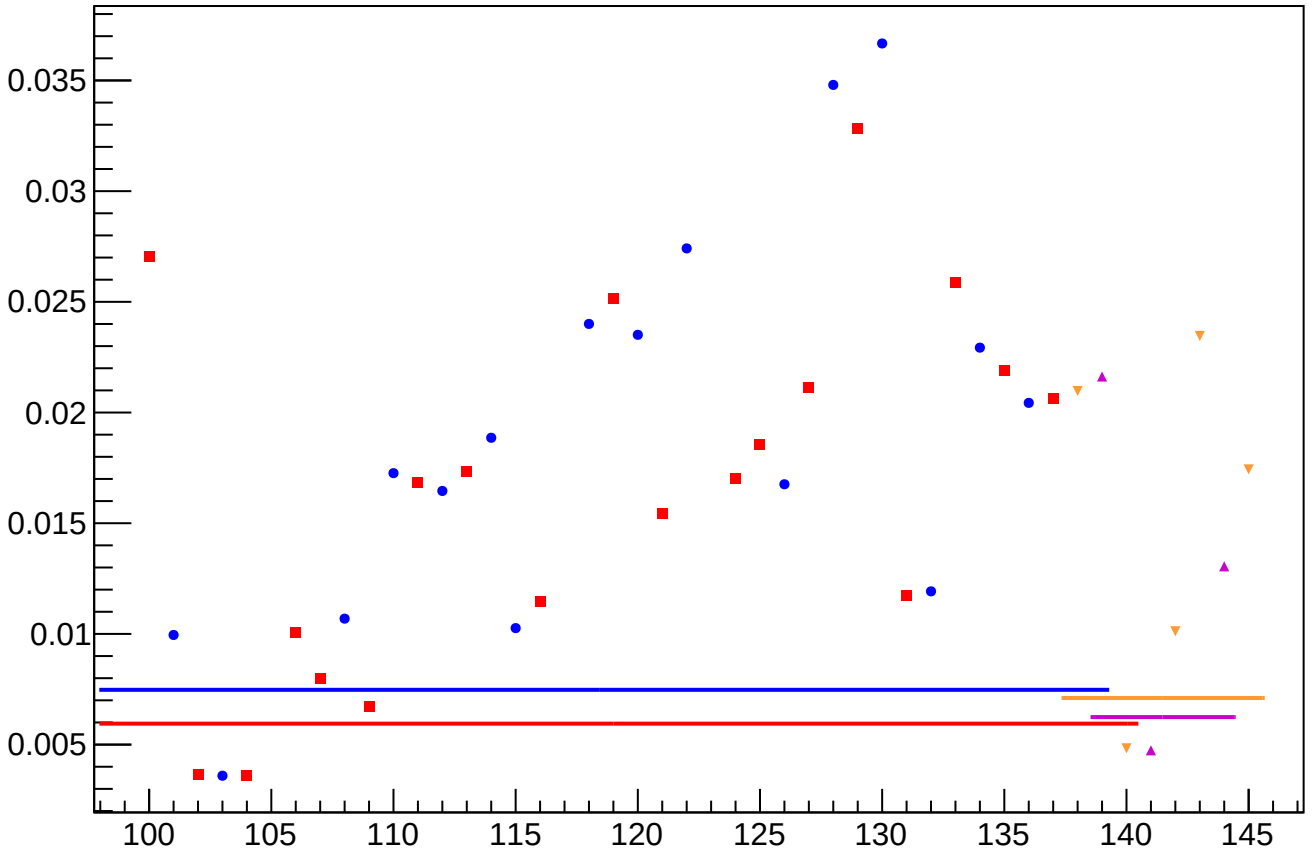
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/20

All: 0.000+/-0.000 χ^2/NDF: 55.3/42

- sign 0.000+/-0.000 χ^2/NDF: 22.8/21



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:2406204.6/4

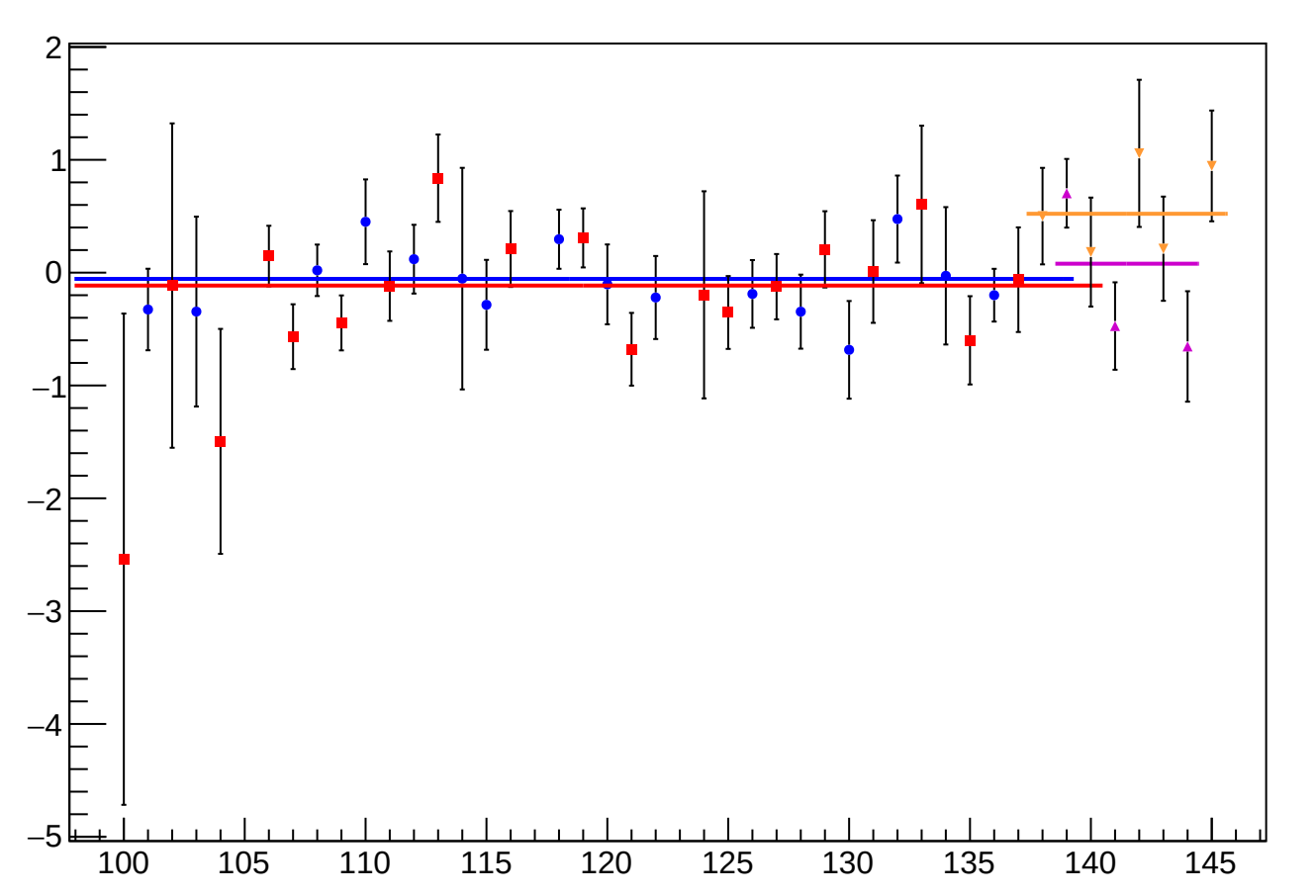
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.006+/-0.000 χ^2/NDF:1445875.9/2

+ sign 0.007+/-0.000 χ^2/NDF: 8489795.7/20

All: 0.007+/-0.000 χ^2/NDF: 16104115.1/42

- sign 0.006+/-0.000 χ^2/NDF: 7385703.5/21



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

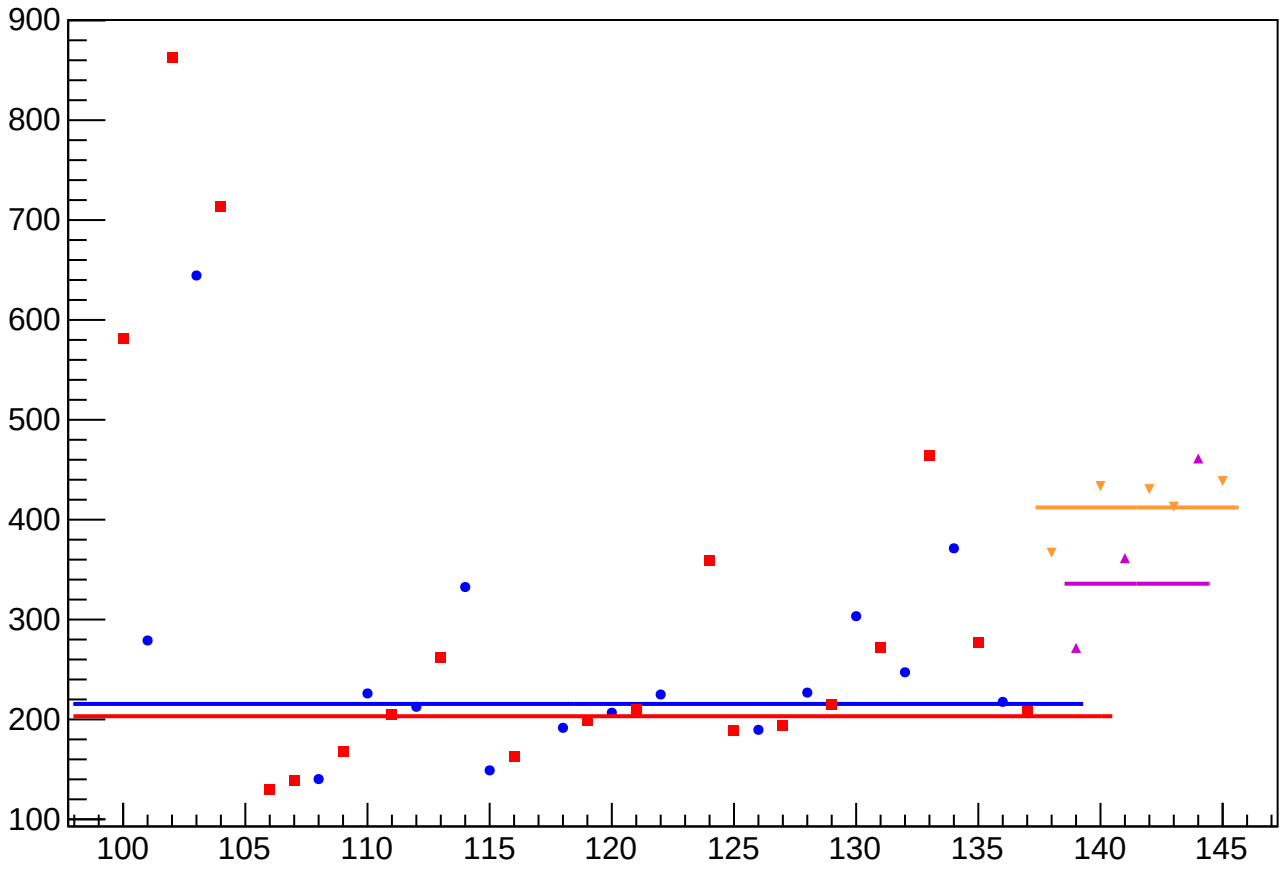
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.215 χ^2/NDF:8.5/2

+ sign 0.021+/-0.080 χ^2/NDF: 19.1/20

All: -0.035+/-0.056 χ^2/NDF: 54.5/42

- sign -0.089+/-0.078 χ^2/NDF: 34.4/21



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 412.249+/-0.155 χ^2/NDF:33735.0/4

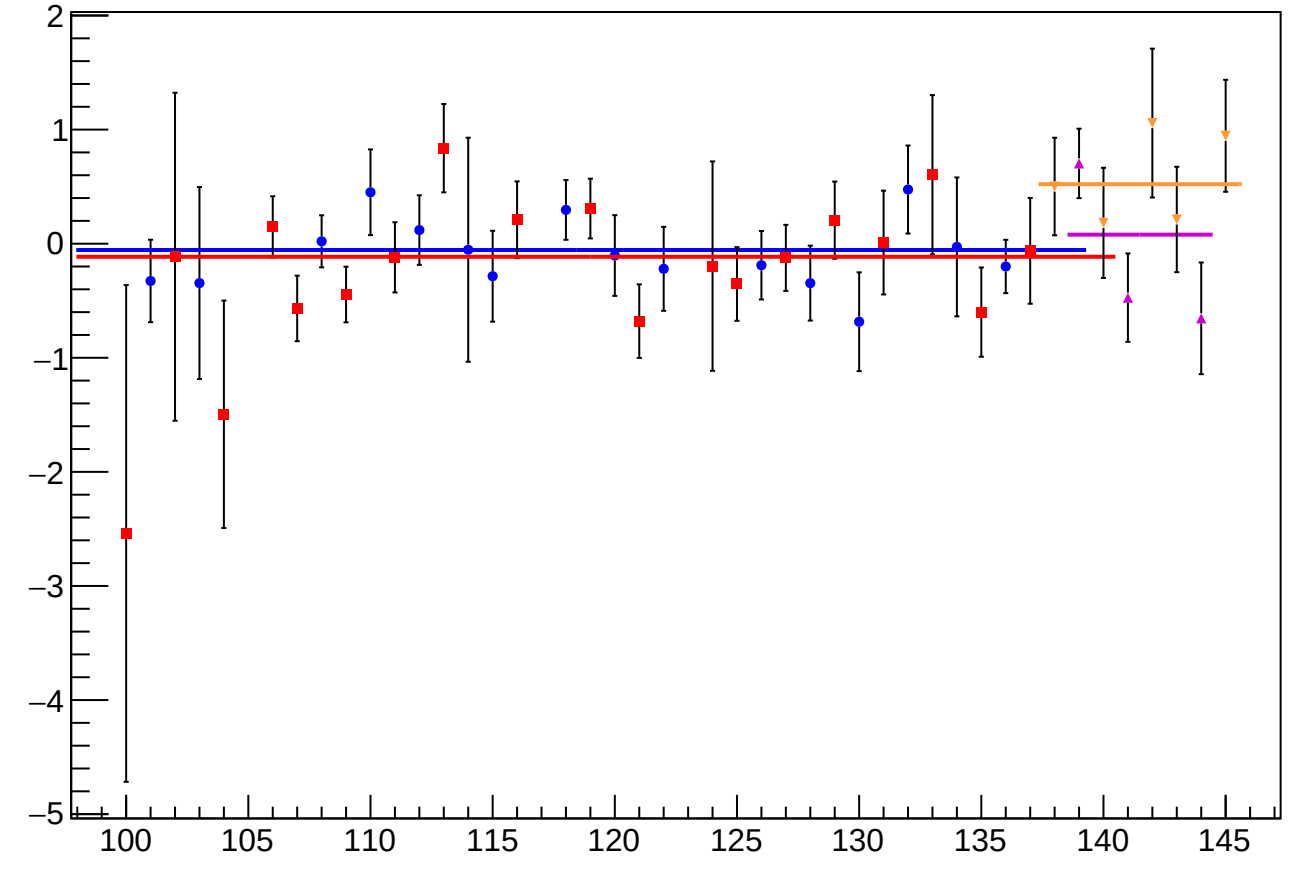
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.891+/-0.152 χ^2/NDF:229253.5/2

+ sign 241.626+/-0.056 χ^2/NDF: 2588663.0/20

All: 230.791+/-0.039 χ^2/NDF: 5388187.2/42

- sign 220.492+/-0.055 χ^2/NDF: 2727245.3/21



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

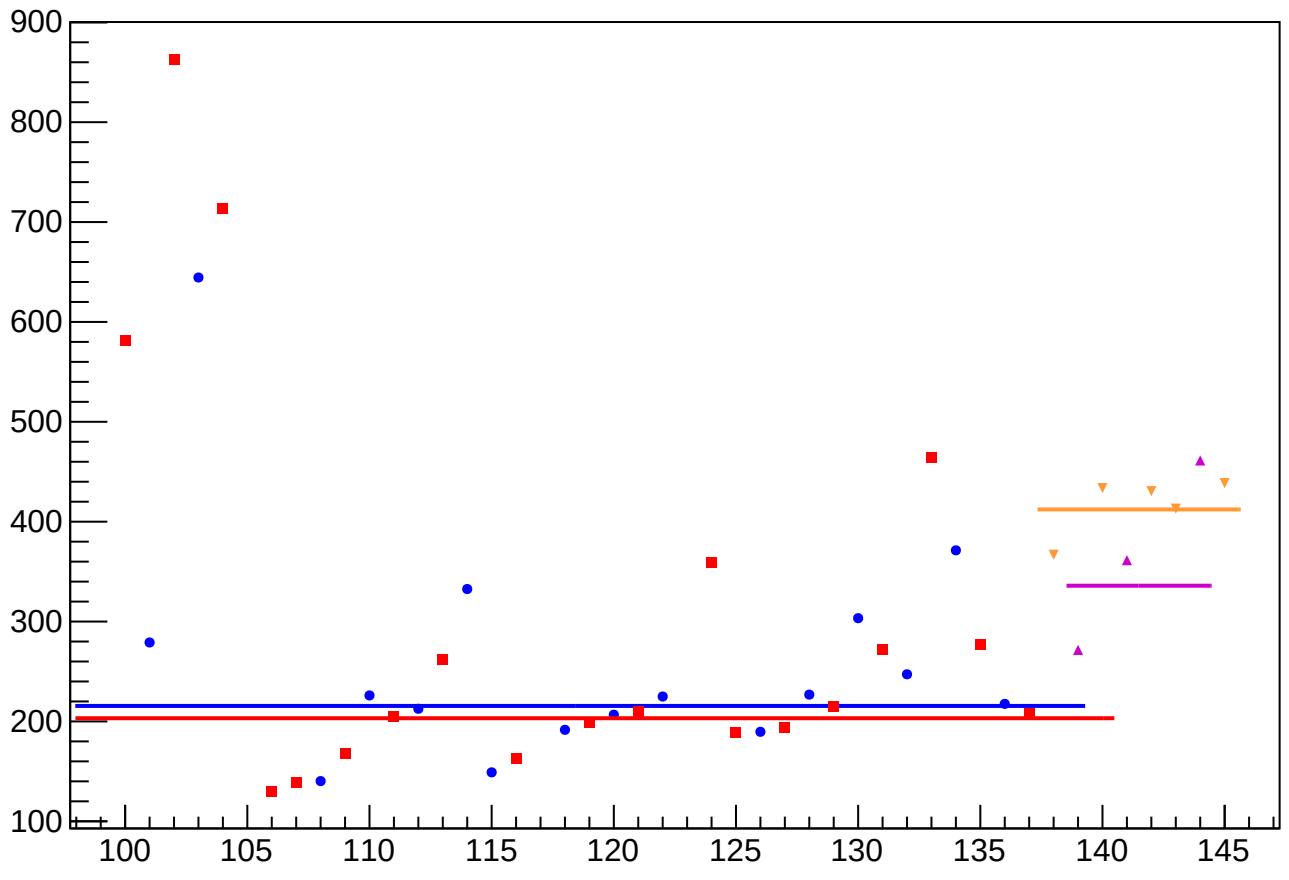
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.215 χ^2/NDF:8.5/2

+ sign 0.021+/-0.080 χ^2/NDF: 19.1/20

All: -0.035+/-0.056 χ^2/NDF: 54.5/42

- sign -0.089+/-0.078 χ^2/NDF: 34.4/21



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 412.249+/-0.155 χ^2/NDF:33735.0/4

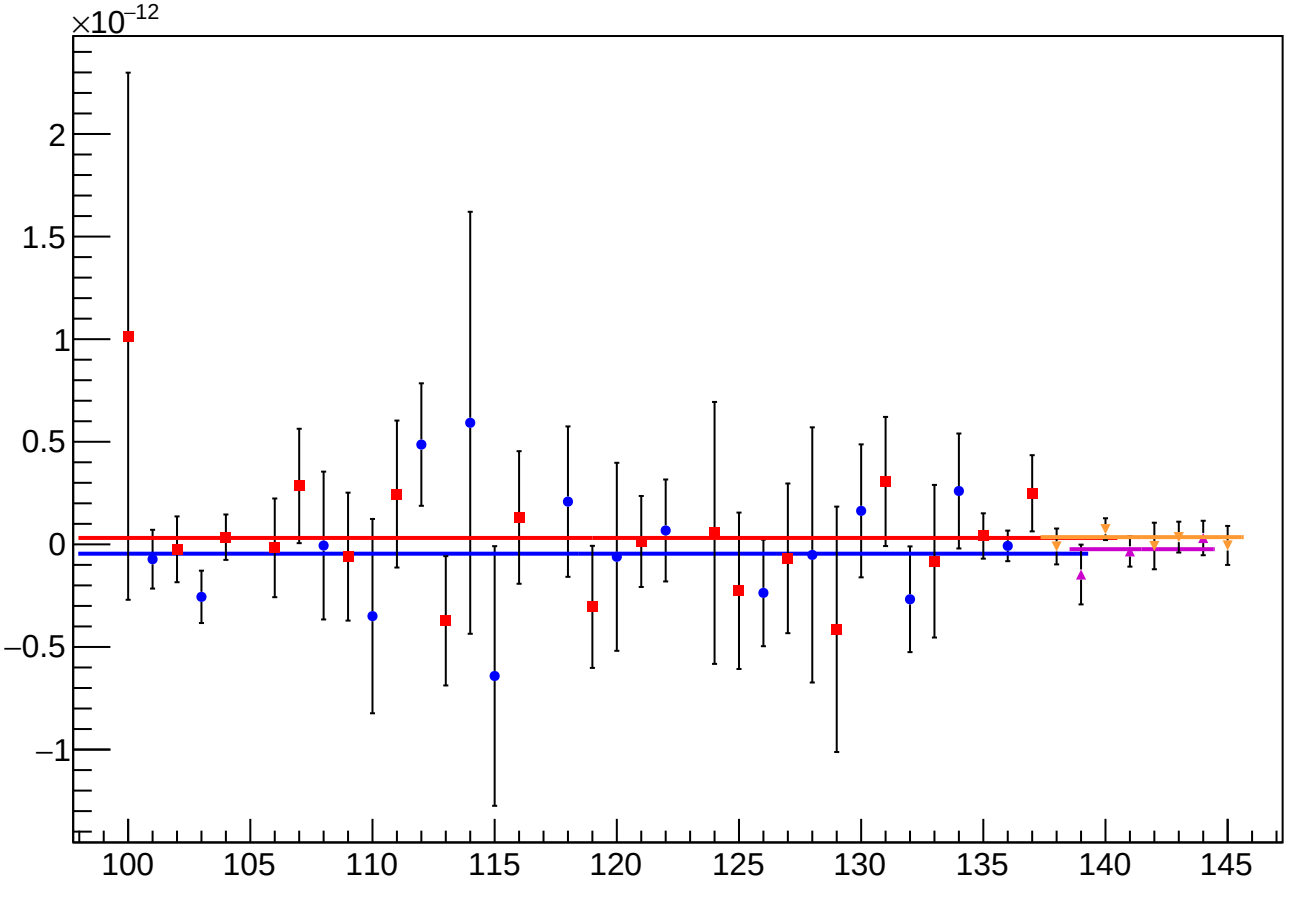
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.891+/-0.152 χ^2/NDF:229253.5/2

+ sign 241.626+/-0.056 χ^2/NDF: 2588663.0/20

All: 230.791+/-0.039 χ^2/NDF: 5388187.2/42

- sign 220.492+/-0.055 χ^2/NDF: 2727245.3/21



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/4

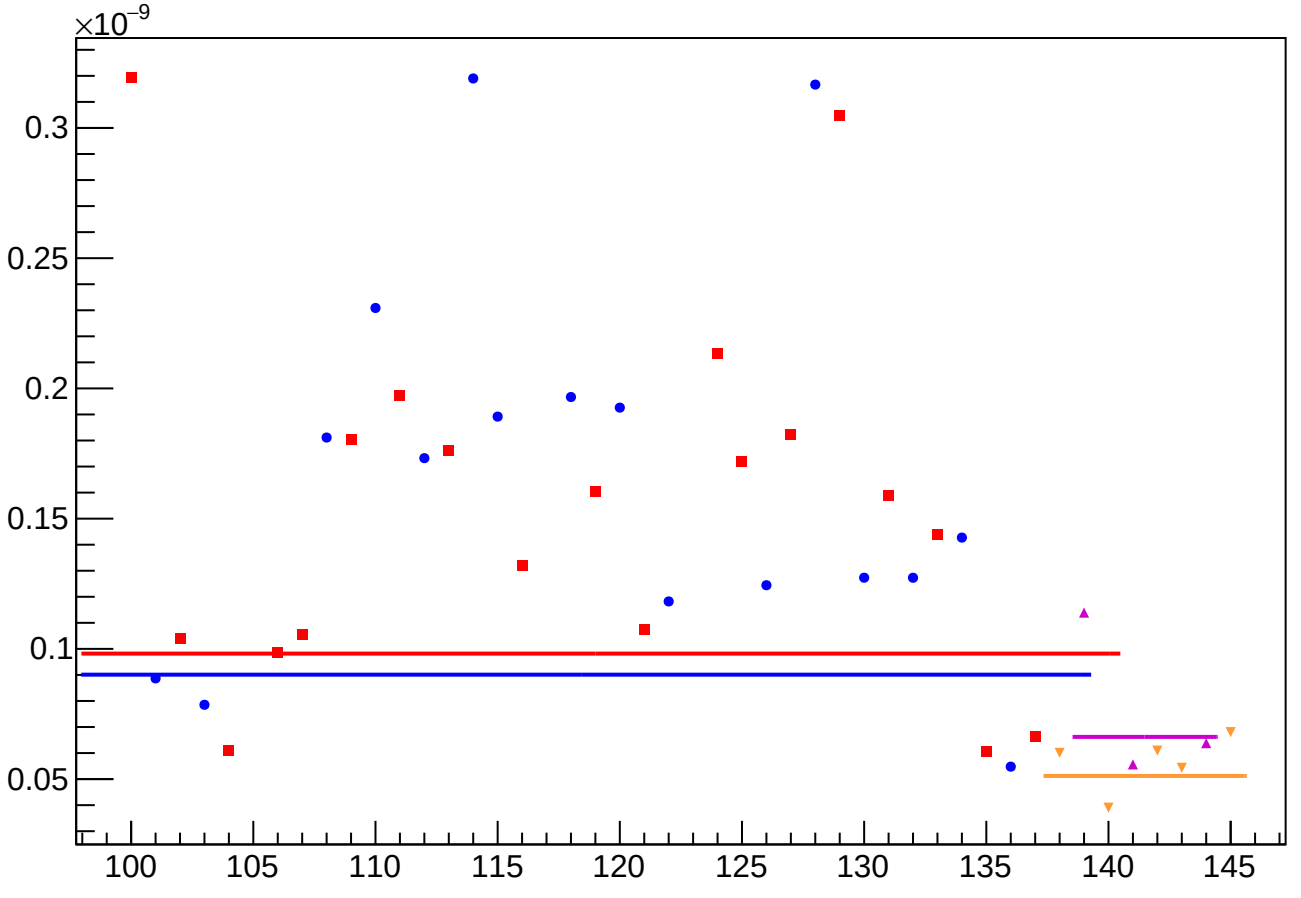
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 14.4/20

All: 0.000+/-0.000 χ^2/NDF: 24.5/42

- sign 0.000+/-0.000 χ^2/NDF: 10.1/21



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

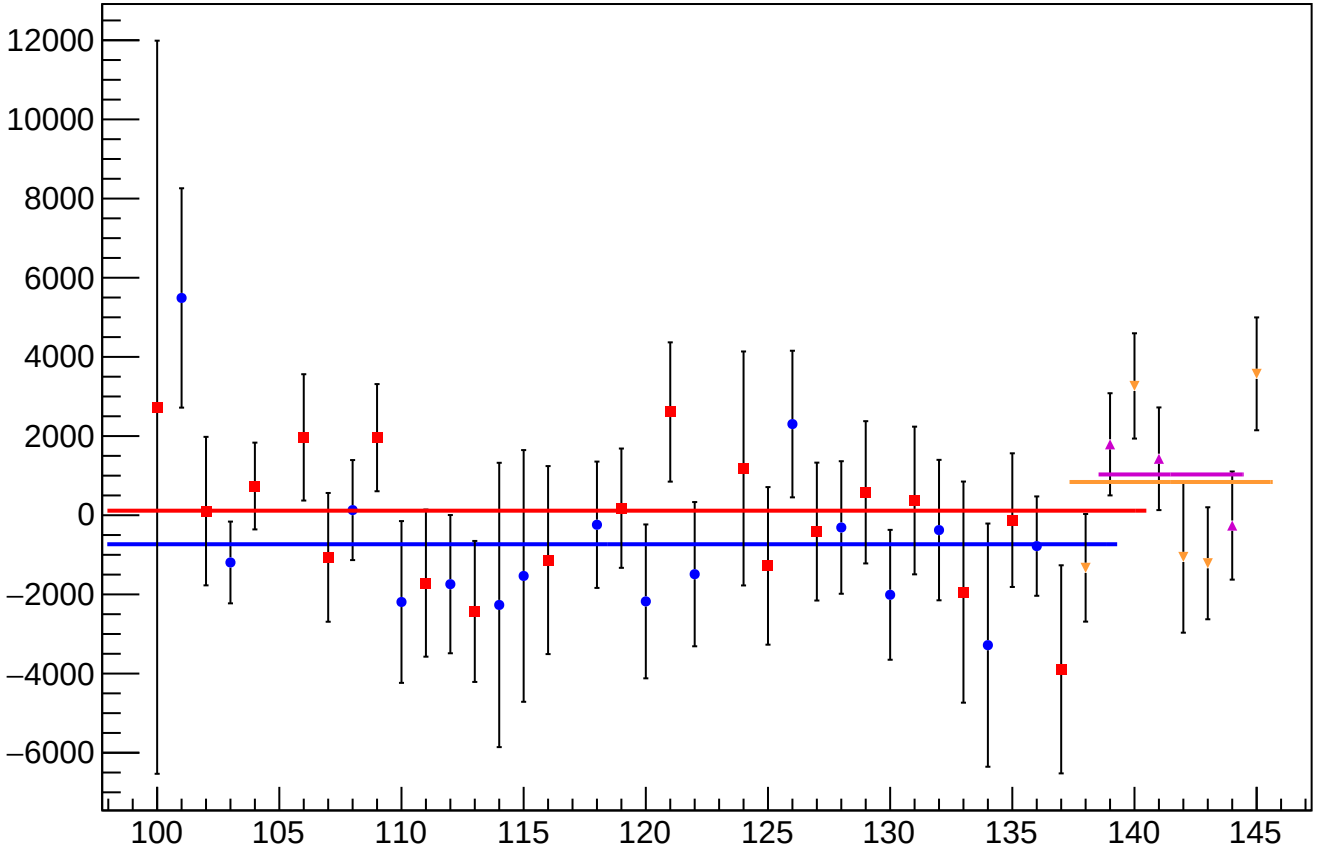
Left In: 0.000+/-0.000 χ^2/NDF:256560.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 2838321.6/20

All: 0.000+/-0.000 χ^2/NDF: 5485898.1/42

- sign 0.000+/-0.000 χ^2/NDF: 2328783.8/21

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

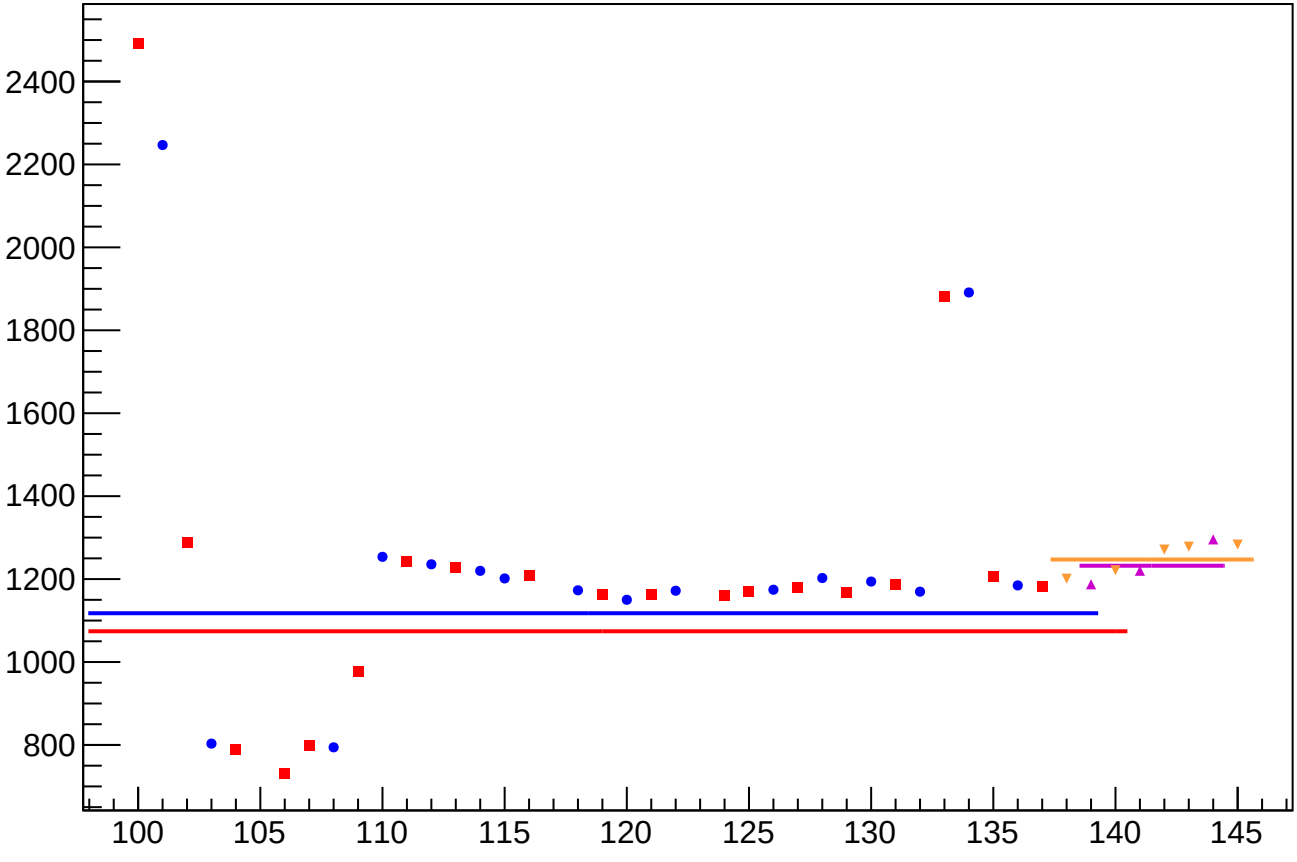
Left In: 1030.384+/-760.041 χ^2/NDF:1.3/2

+ sign -257.470+/-357.015 χ^2/NDF: 28.4/20

All: 28.628+/-254.131 χ^2/NDF: 45.3/42

- sign 322.486+/-361.824 χ^2/NDF: 15.6/21

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

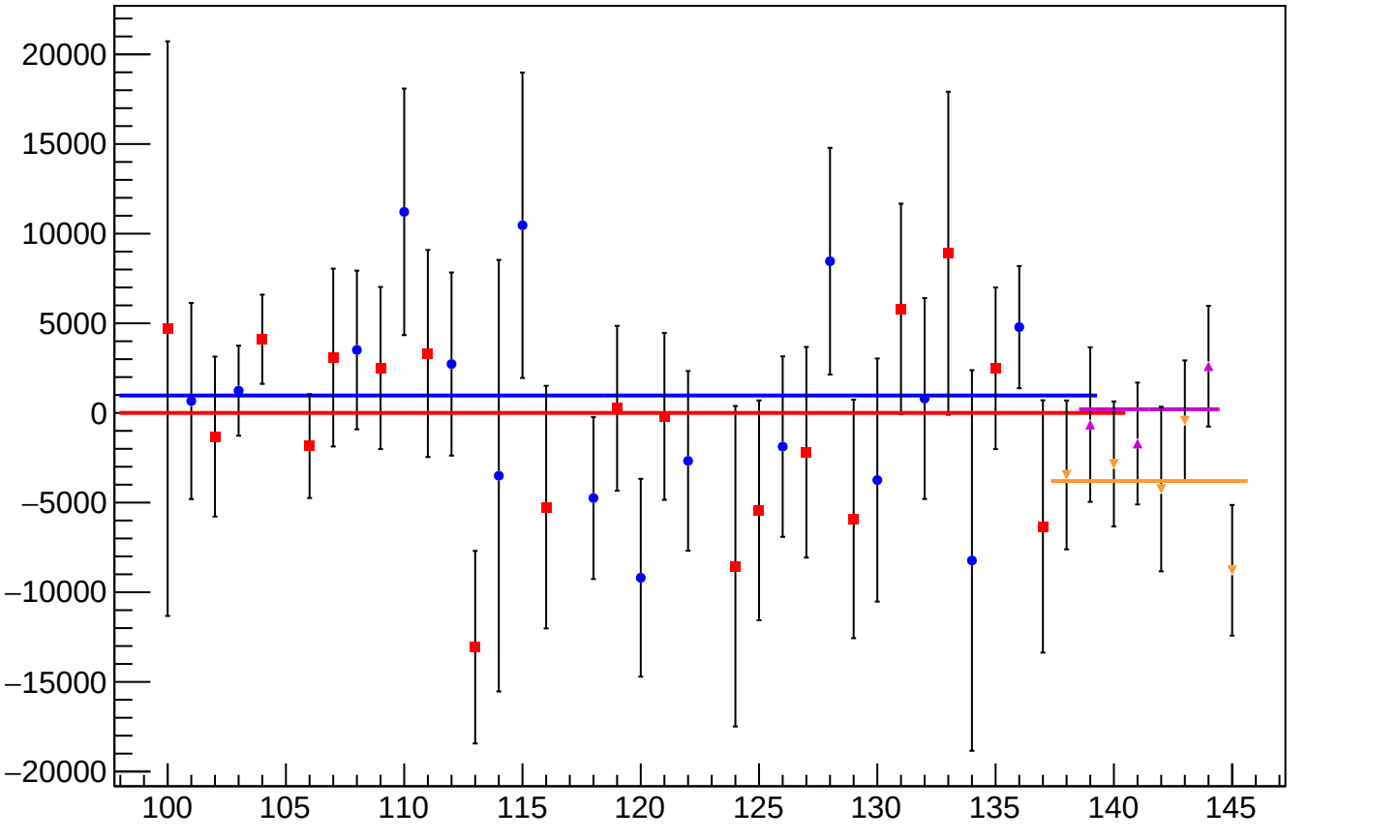
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1232.213+/-0.537 χ^2/NDF:6911.6/2

+ sign 1156.830+/-0.252 χ^2/NDF: 880978.5/20

All: 1133.335+/-0.179 χ^2/NDF: 1621991.8/42

- sign 1109.512+/-0.254 χ^2/NDF: 723568.9/21



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

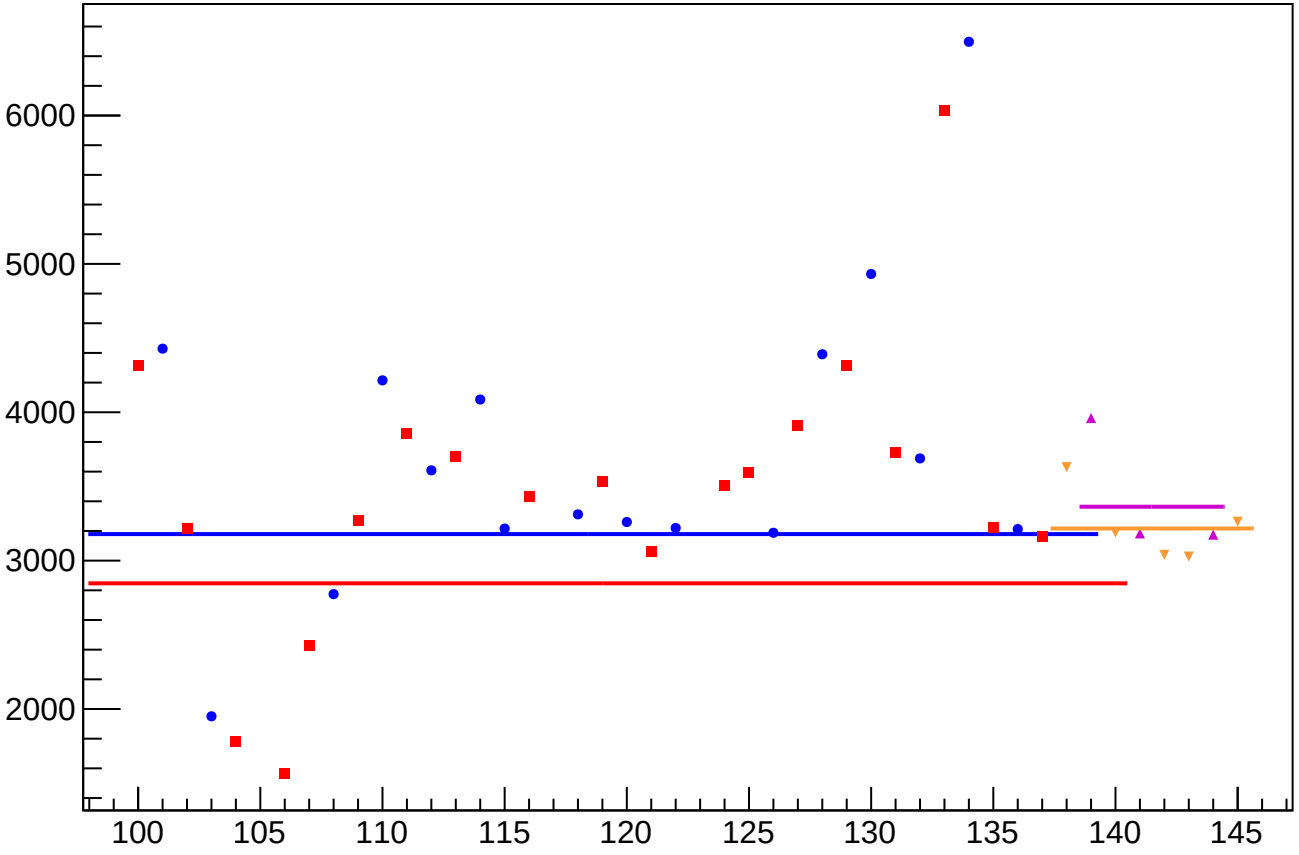
Left In: 207.391+/-2091.776 χ^2/NDF:0.9/2

+ sign -687.911+/-995.222 χ^2/NDF: 22.0/20

All: -315.446+/-699.434 χ^2/NDF: 39.7/42

- sign 48.065+/-983.185 χ^2/NDF: 17.4/21

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

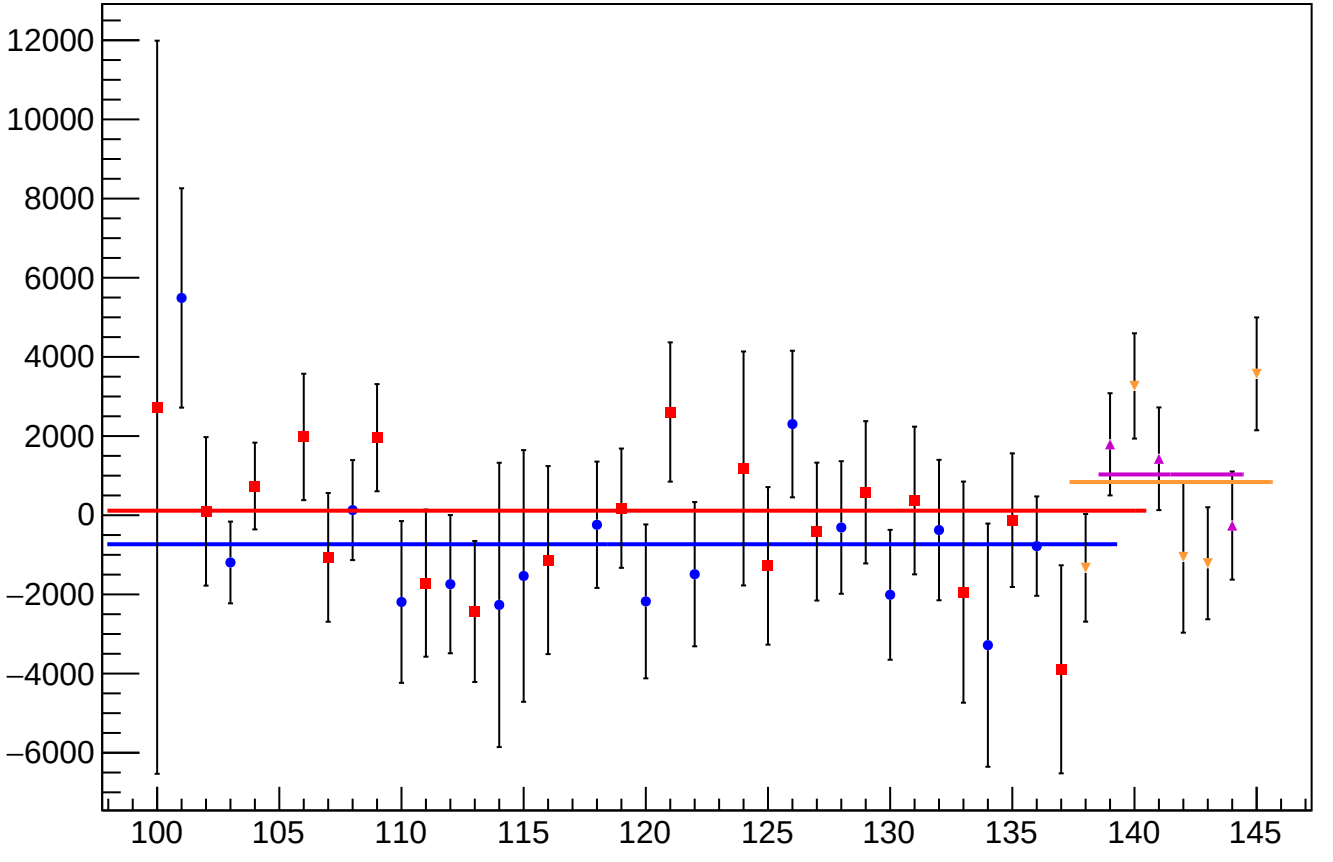
Left In: 3363.432+/-1.479 χ^2/NDF:50284.7/2

+ sign 3192.068+/-0.704 χ^2/NDF: 1121900.2/20

All: 3075.181+/-0.495 χ^2/NDF: 2832827.4/42

- sign 2961.104+/-0.695 χ^2/NDF: 1656414.1/21

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

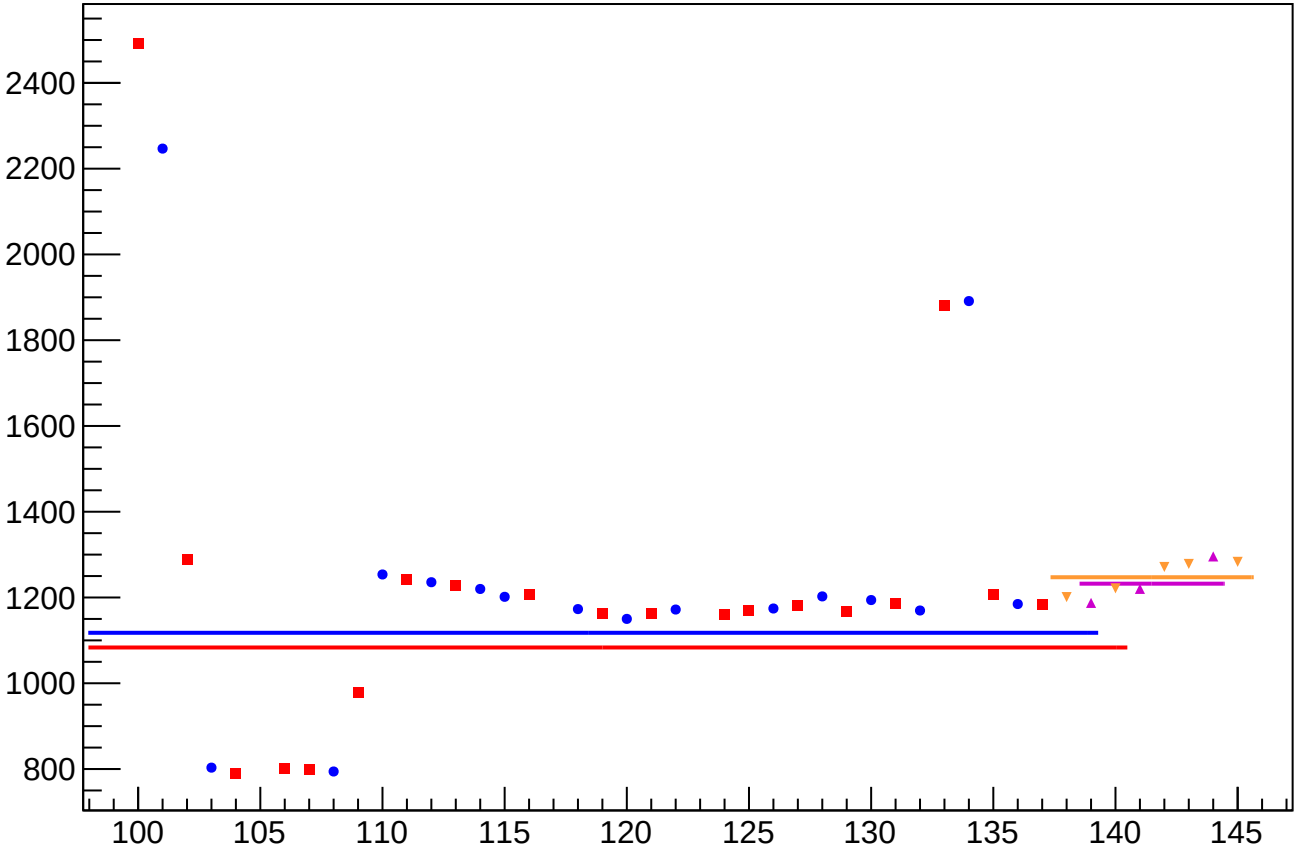
Left In: 1030.476+/-760.041 χ^2/NDF:1.3/2

+ sign -257.426+/-357.015 χ^2/NDF: 28.4/20

All: 28.762+/-254.132 χ^2/NDF: 45.3/42

- sign 322.716+/-361.826 χ^2/NDF: 15.6/21

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

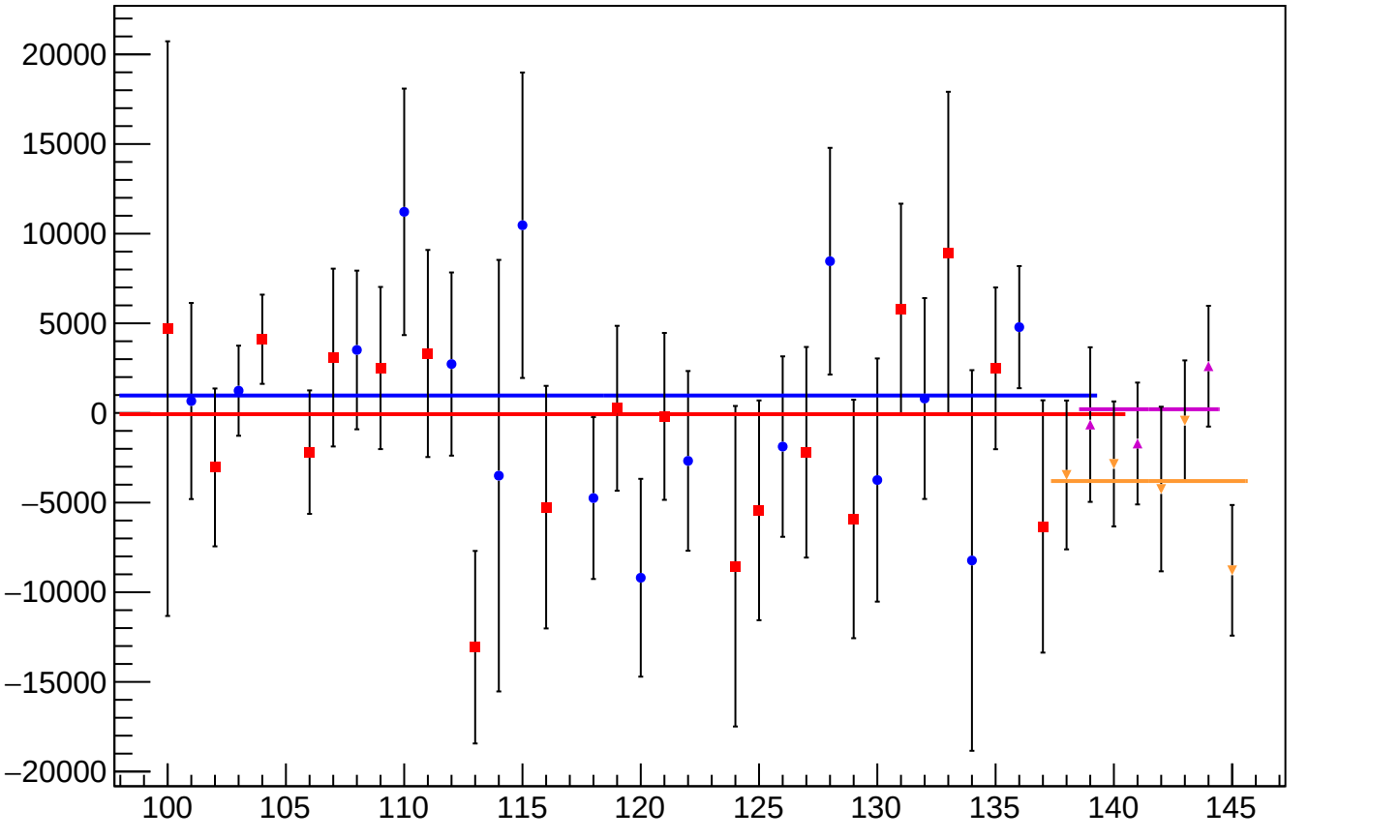
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1232.213+/-0.537 χ^2/NDF:6911.6/2

+ sign 1156.830+/-0.252 χ^2/NDF: 880974.6/20

All: 1137.173+/-0.180 χ^2/NDF: 1554505.9/42

- sign 1117.042+/-0.255 χ^2/NDF: 661258.6/21



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

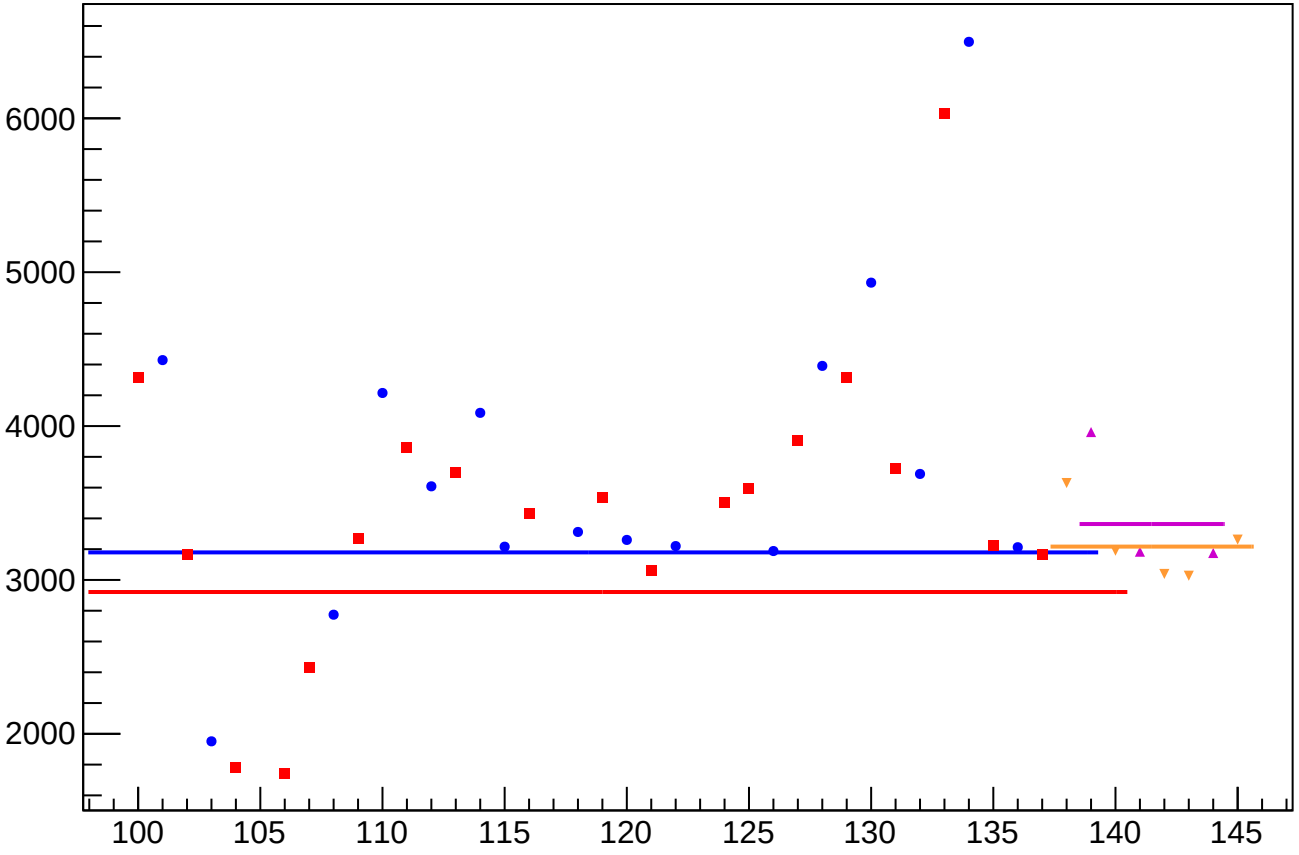
Left In: 207.481+/-2091.773 χ^2/NDF:0.9/2

+ sign -688.309+/-995.246 χ^2/NDF: 22.0/20

All: -347.841+/-705.268 χ^2/NDF: 40.0/42

- sign -4.410+/-999.568 χ^2/NDF: 17.8/21

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

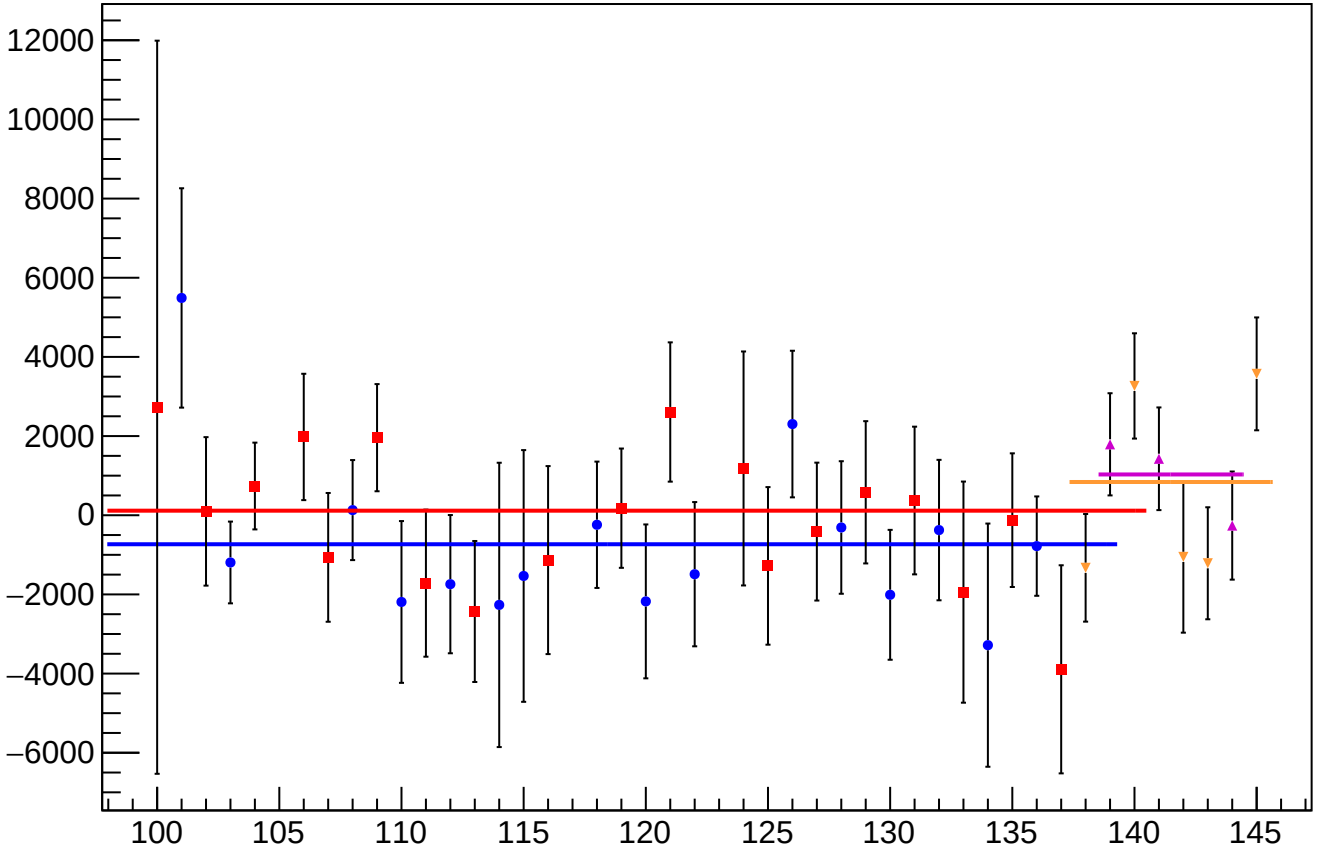
Left In: 3363.427+/-1.479 χ^2/NDF:50285.4/2

+ sign 3192.184+/-0.704 χ^2/NDF: 1121454.3/20

All: 3107.720+/-0.499 χ^2/NDF: 2582406.0/42

- sign 3022.521+/-0.707 χ^2/NDF: 1432016.5/21

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

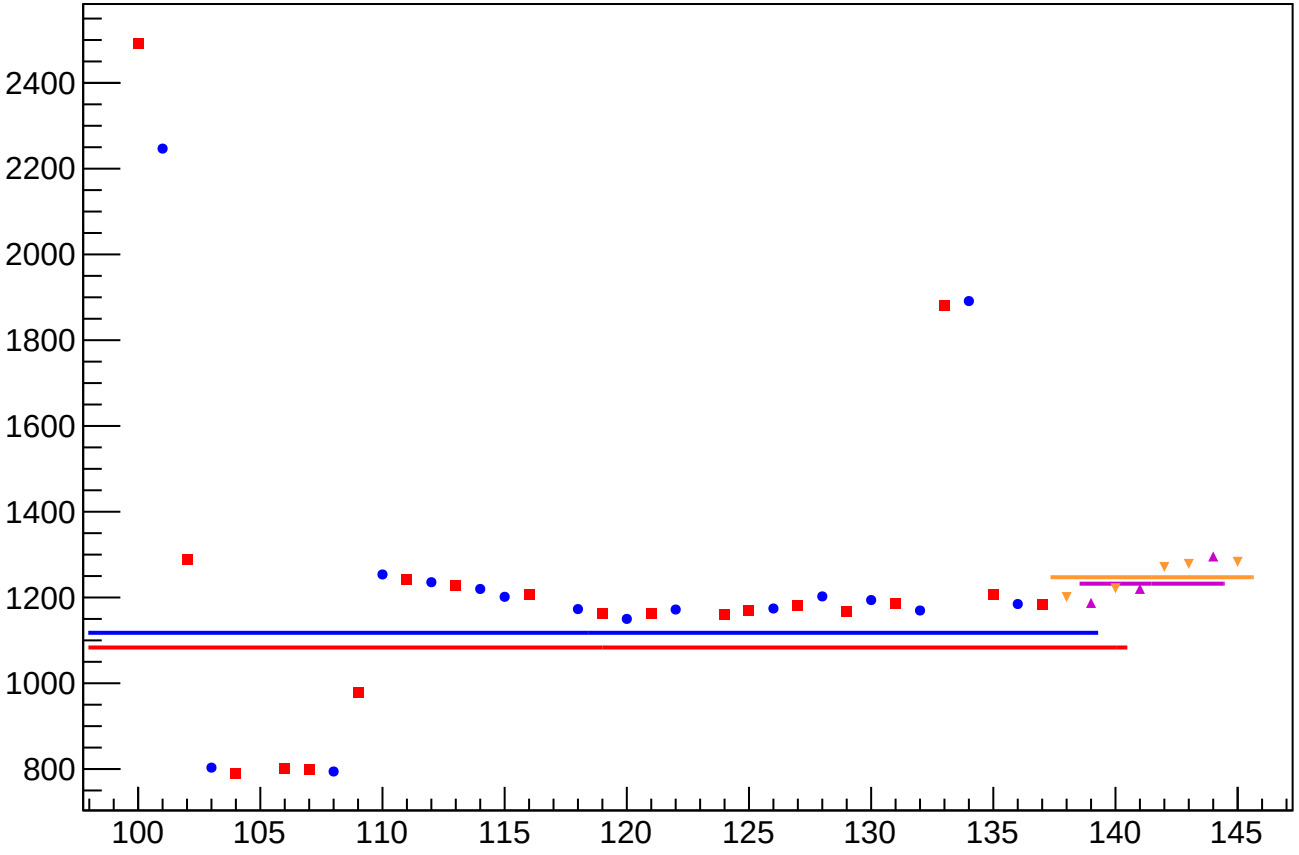
Left In: 1030.476+/-760.041 χ^2/NDF:1.3/2

+ sign -257.426+/-357.015 χ^2/NDF: 28.4/20

All: 28.762+/-254.132 χ^2/NDF: 45.3/42

- sign 322.716+/-361.826 χ^2/NDF: 15.6/21

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

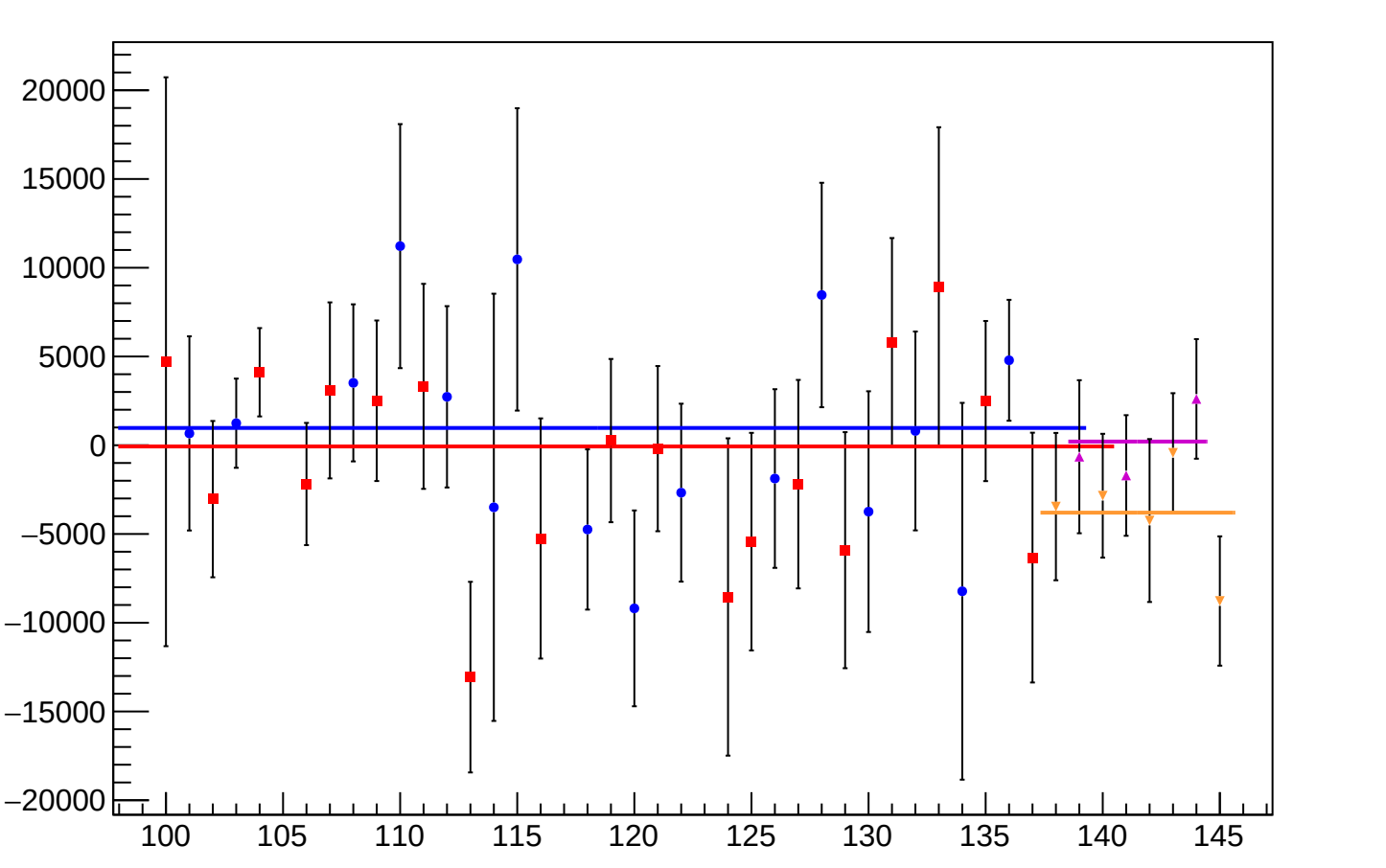
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1232.213+/-0.537 χ^2/NDF:6911.6/2

+ sign 1156.830+/-0.252 χ^2/NDF: 880974.6/20

All: 1137.173+/-0.180 χ^2/NDF: 1554505.9/42

- sign 1117.042+/-0.255 χ^2/NDF: 661258.6/21



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3797.782+/-1686.469 χ^2/NDF:3.0/4

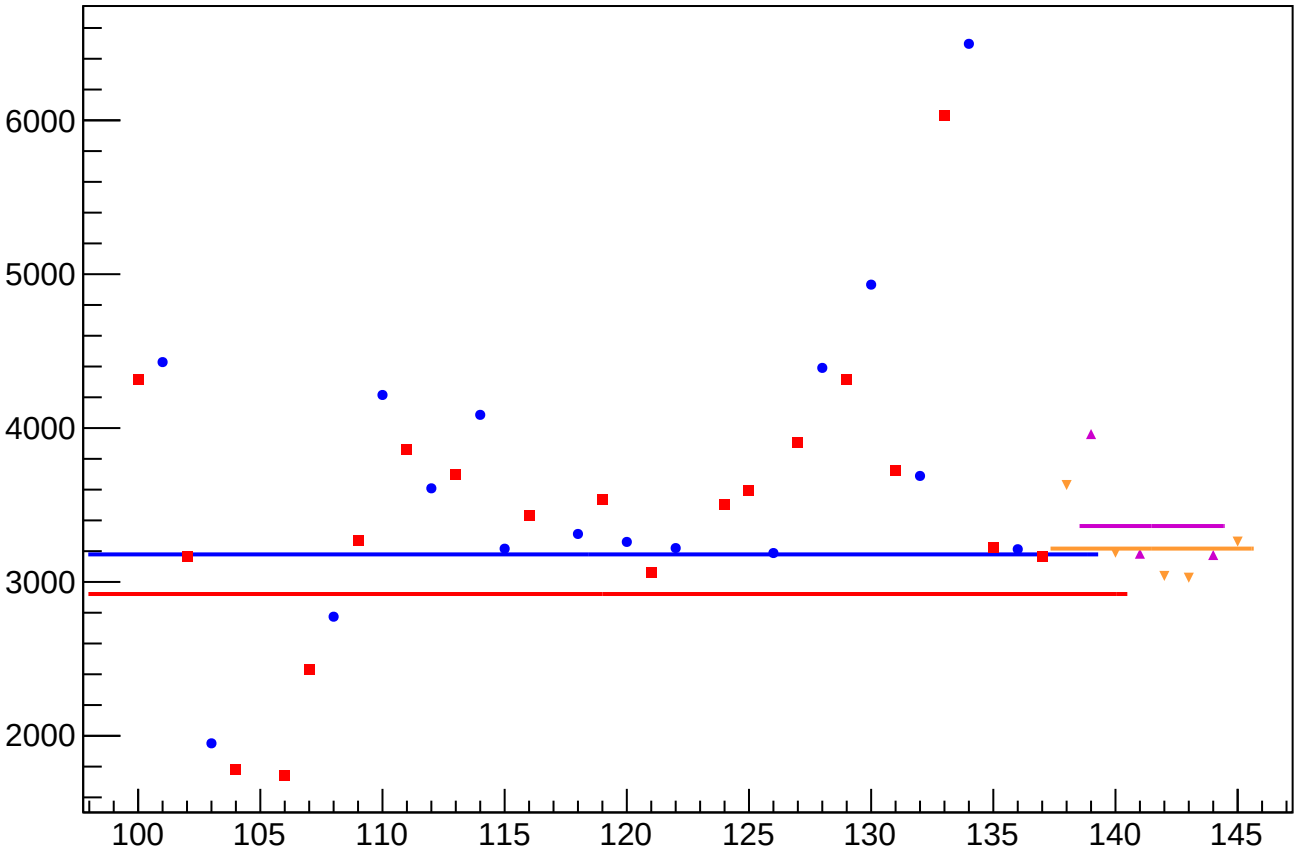
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 207.481+/-2091.773 χ^2/NDF:0.9/2

+ sign -688.309+/-995.246 χ^2/NDF: 22.0/20

All: -347.841+/-705.268 χ^2/NDF: 40.0/42

- sign -4.410+/-999.568 χ^2/NDF: 17.8/21



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

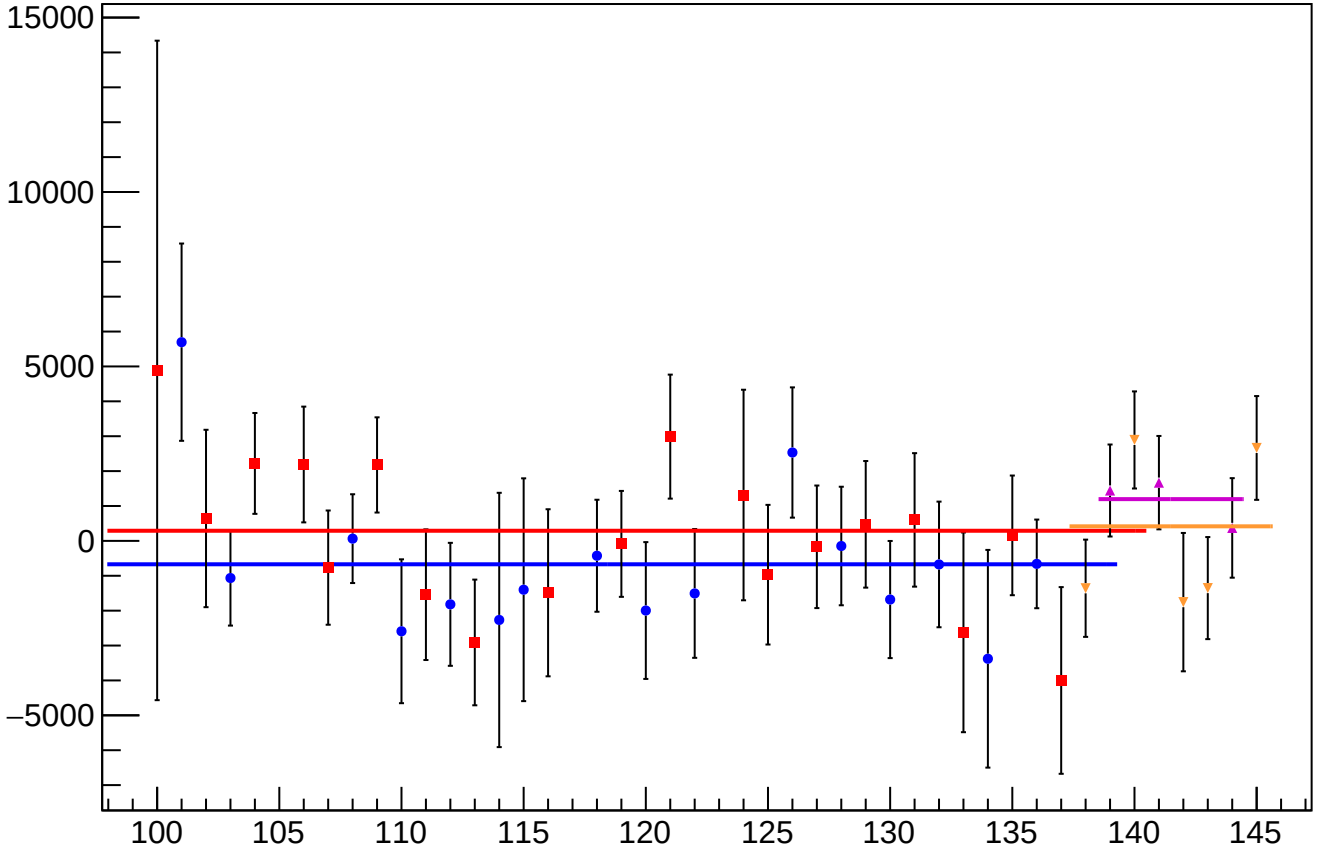
Left In: 3363.427+/-1.479 χ^2/NDF:50285.4/2

+ sign 3192.184+/-0.704 χ^2/NDF: 1121454.3/20

All: 3107.720+/-0.499 χ^2/NDF: 2582406.0/42

- sign 3022.521+/-0.707 χ^2/NDF: 1432016.5/21

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

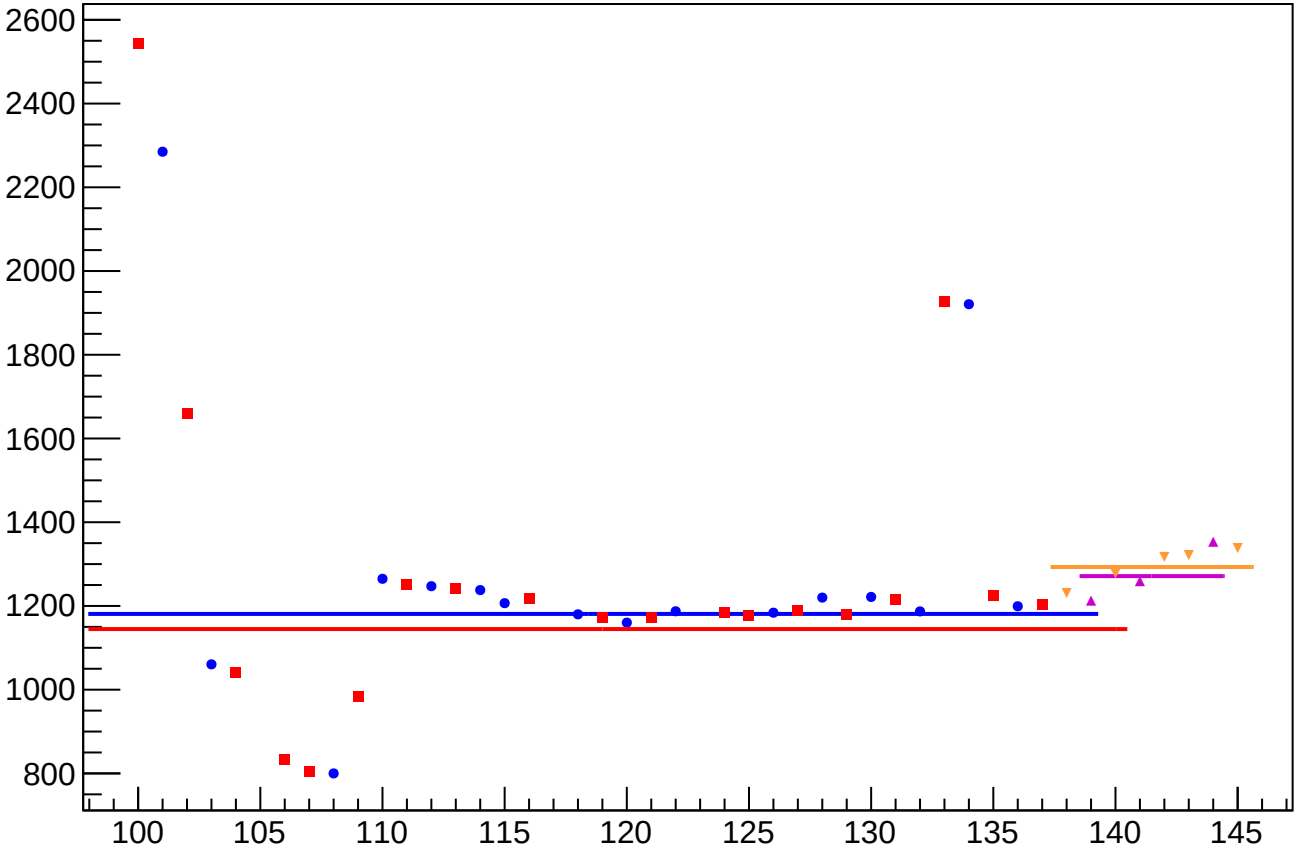
Left In: 1196.910+/-784.458 χ^2/NDF:0.5/2

+ sign -336.544+/-373.293 χ^2/NDF: 23.4/20

All: 75.755+/-266.311 χ^2/NDF: 44.3/42

- sign 503.093+/-380.040 χ^2/NDF: 18.5/21

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

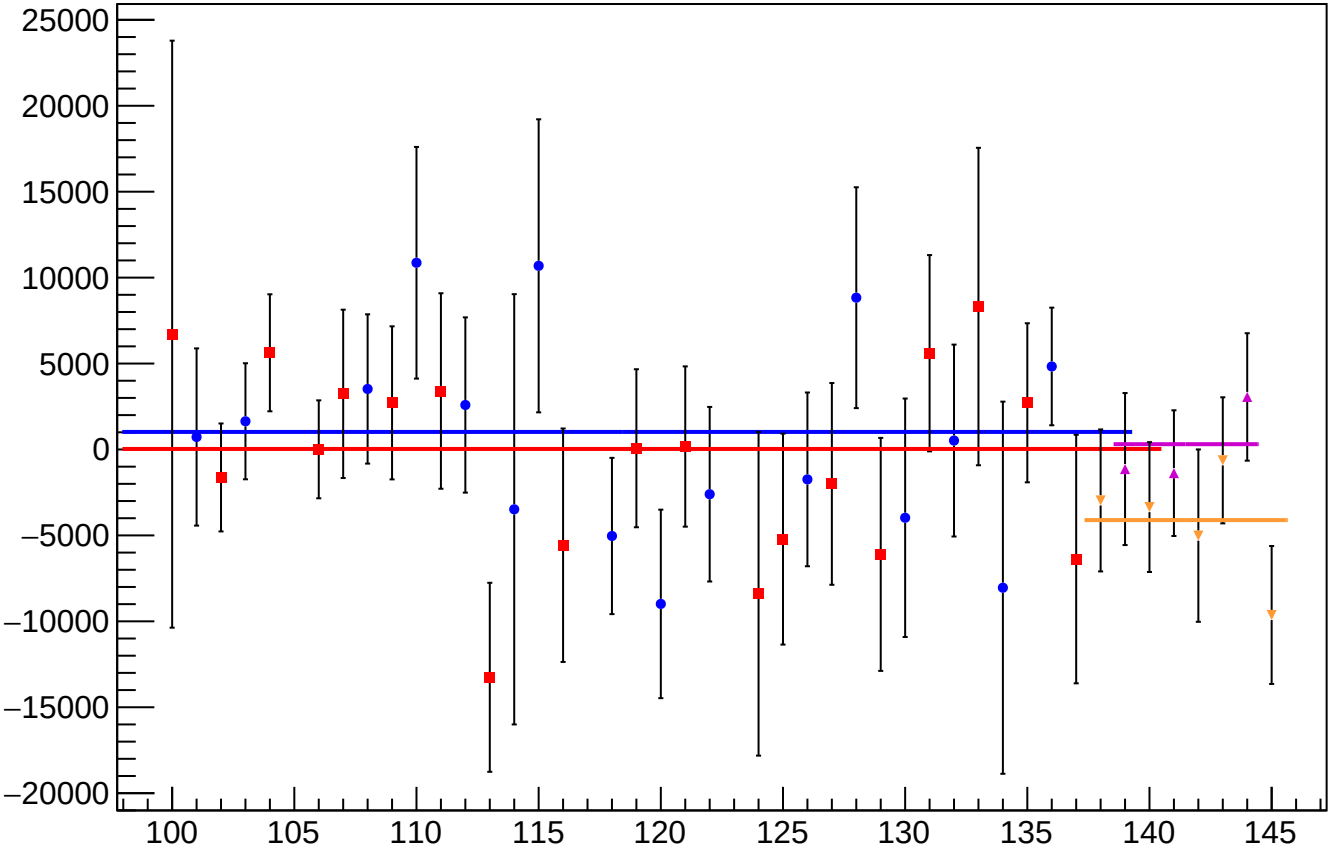
Left In: 1271.261+/-0.555 χ^2/NDF:10735.4/2

+ sign 1215.384+/-0.264 χ^2/NDF: 667355.4/20

All: 1195.273+/-0.188 χ^2/NDF: 1227439.9/42

- sign 1174.442+/-0.269 χ^2/NDF: 548266.6/21

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

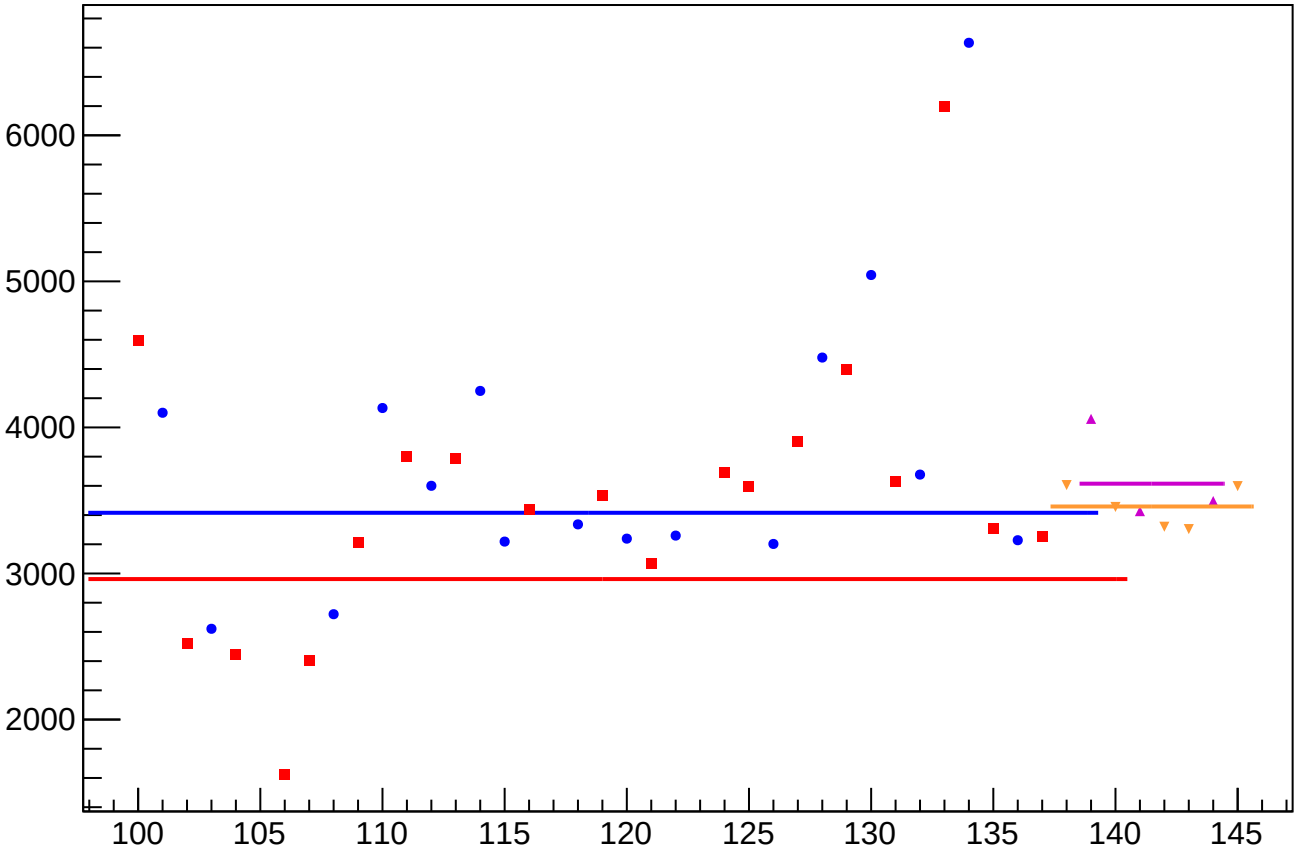
Left In: 307.803+/-2243.746 χ^2/NDF:0.9/2

\+ sign -727.821+/-1057.417 χ^2/NDF: 22.1/20

All: -301.966+/-730.277 χ^2/NDF: 39.4/42

\- sign 86.372+/-1009.765 χ^2/NDF: 17.0/21

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

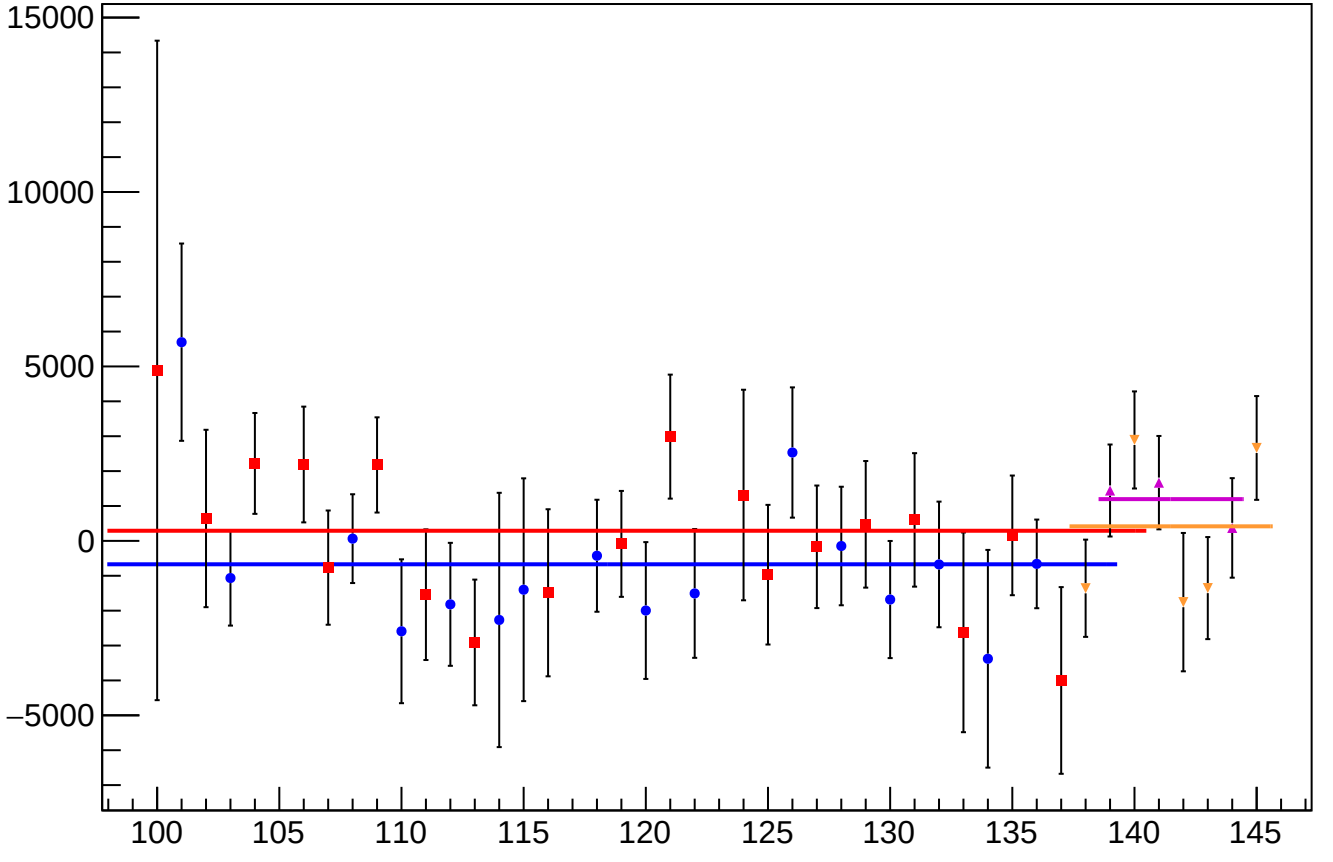
Left In: 3614.858+/-1.587 χ^2/NDF:27473.4/2

+ sign 3430.283+/-0.748 χ^2/NDF: 603109.9/20

All: 3254.427+/-0.516 χ^2/NDF: 2040714.3/42

- sign 3094.064+/-0.714 χ^2/NDF: 1331845.4/21

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

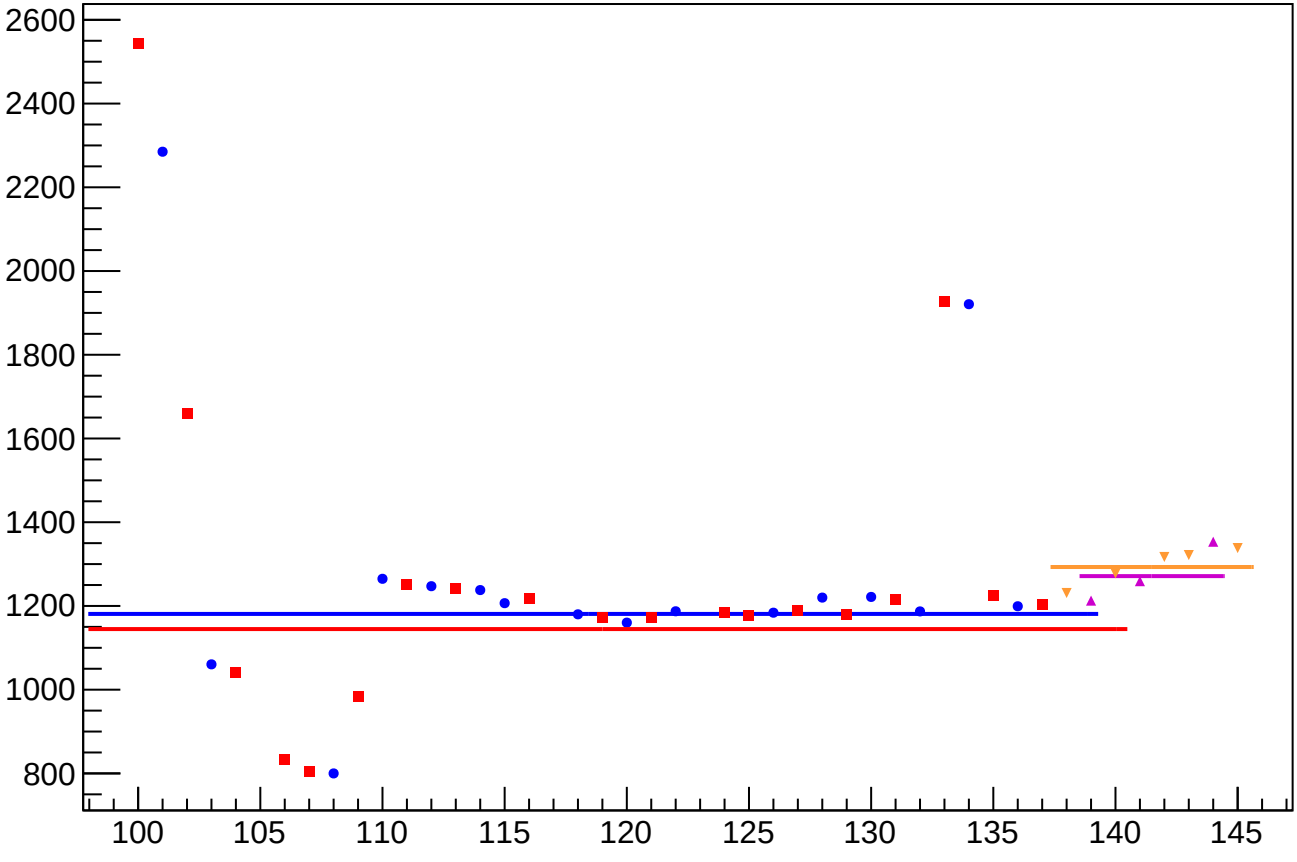
Left In: 1196.901+/-784.458 χ^2/NDF:0.5/2

+ sign -336.548+/-373.293 χ^2/NDF: 23.4/20

All: 75.754+/-266.311 χ^2/NDF: 44.3/42

- sign 503.095+/-380.040 χ^2/NDF: 18.5/21

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

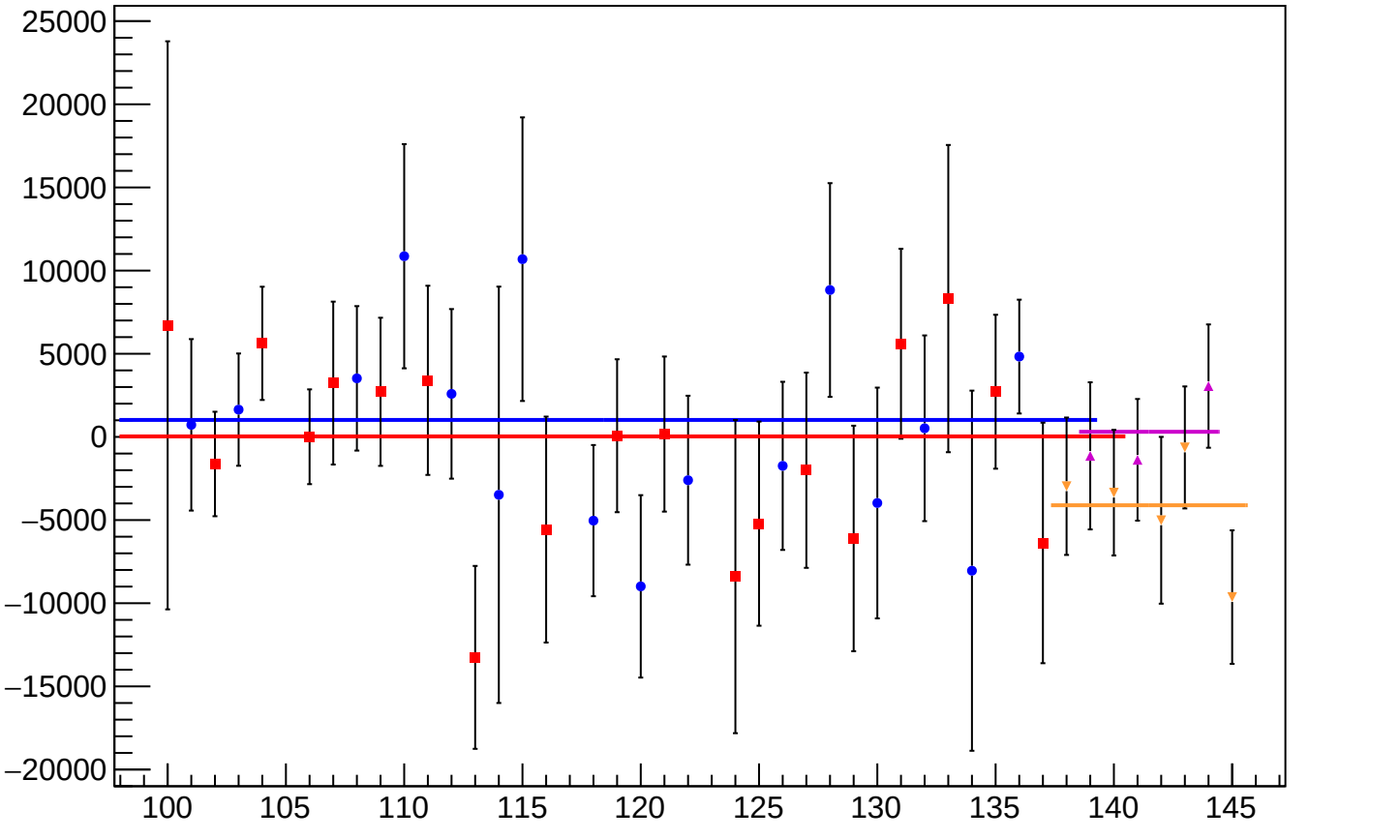
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1271.261+/-0.555 χ^2/NDF:10735.4/2

+ sign 1215.384+/-0.264 χ^2/NDF: 667356.4/20

All: 1195.273+/-0.188 χ^2/NDF: 1227440.3/42

- sign 1174.443+/-0.269 χ^2/NDF: 548266.1/21



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -4109.839+/-1811.191 χ^2/NDF:2.9/4

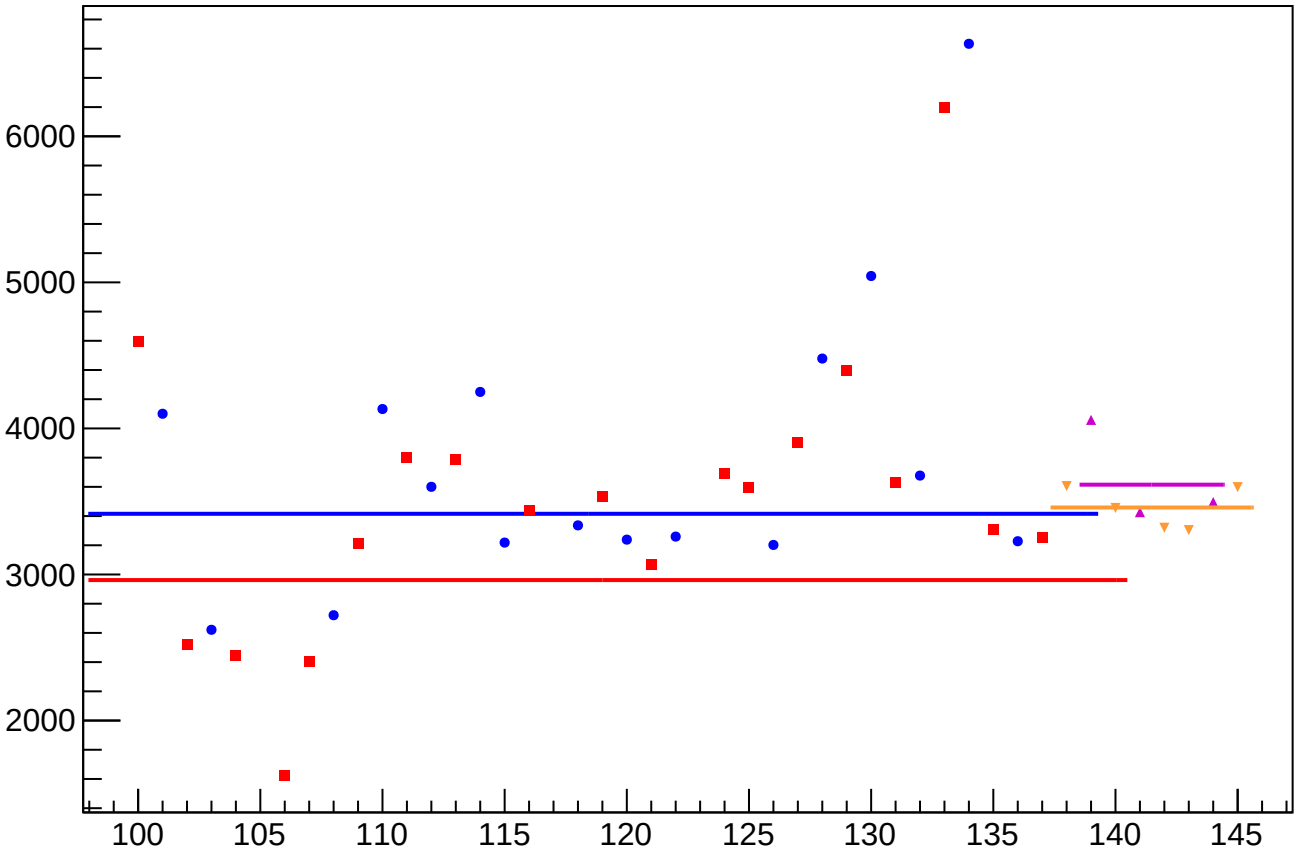
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 307.793+/-2243.747 χ^2/NDF:0.9/2

+ sign -727.830+/-1057.417 χ^2/NDF: 22.1/20

All: -301.968+/-730.276 χ^2/NDF: 39.4/42

- sign 86.375+/-1009.764 χ^2/NDF: 17.0/21



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

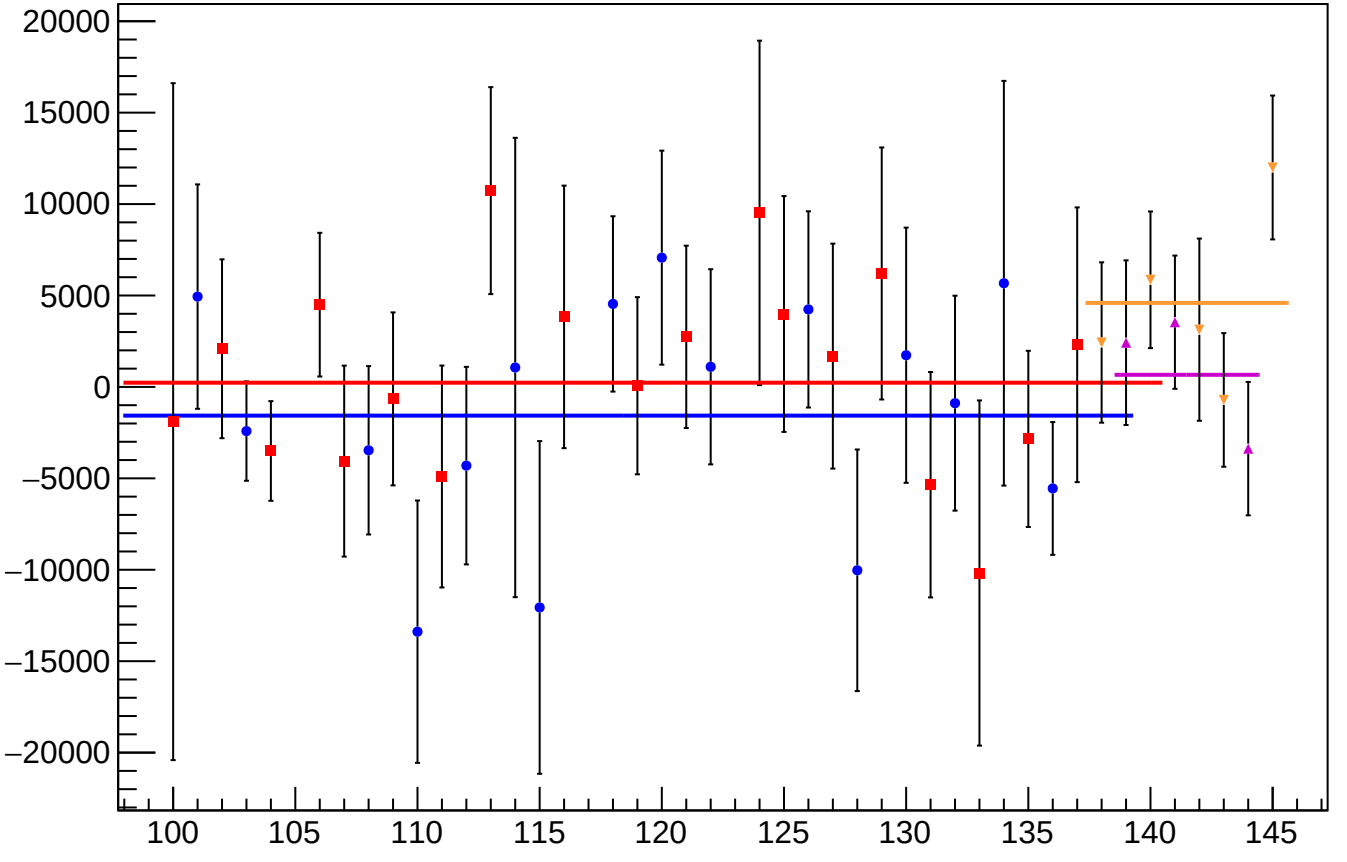
Left In: 3614.860+/-1.587 χ^2/NDF:27473.9/2

+ sign 3430.282+/-0.748 χ^2/NDF: 603105.1/20

All: 3254.424+/-0.516 χ^2/NDF: 2040714.4/42

- sign 3094.060+/-0.714 χ^2/NDF: 1331848.2/21

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

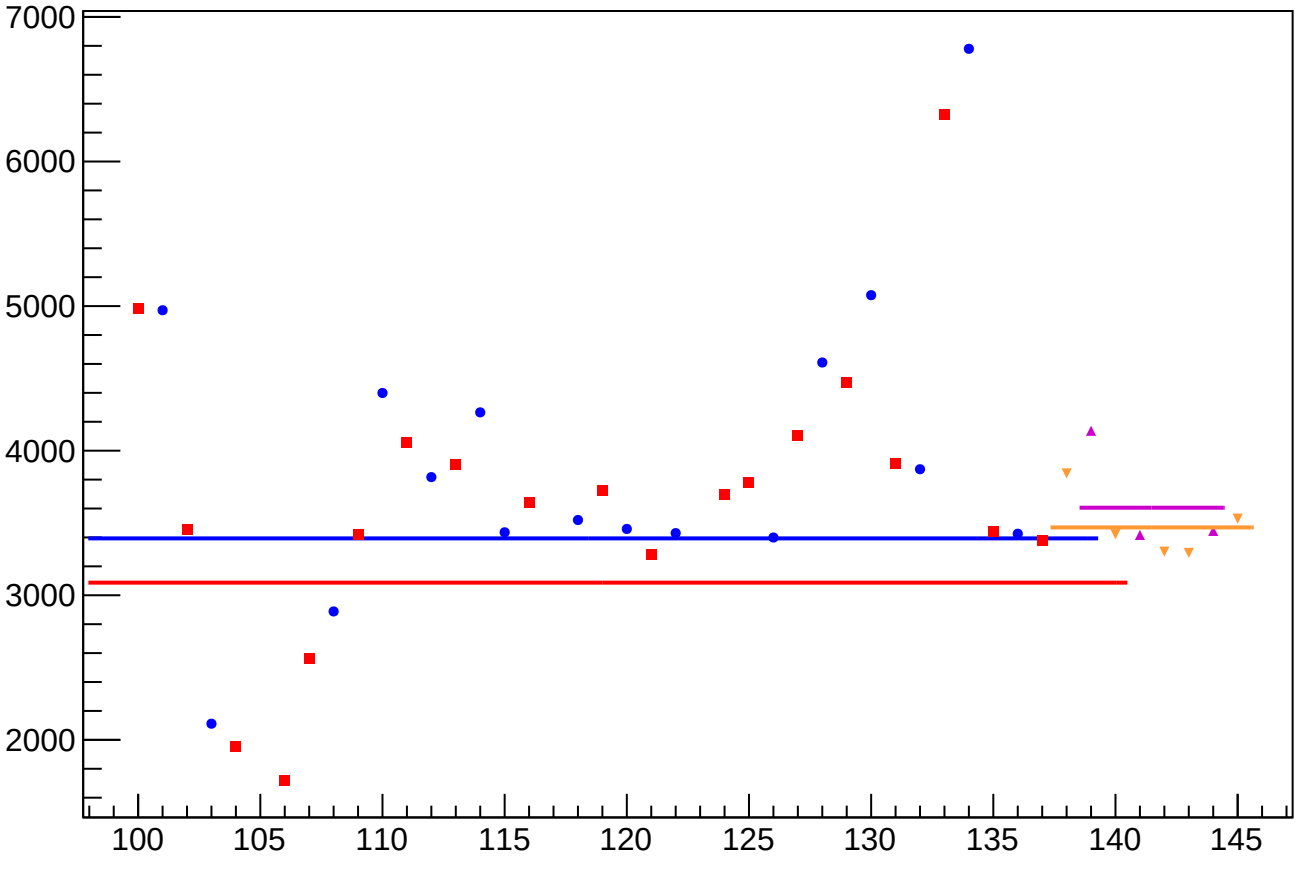
Left In: 662.566+/-2237.186 χ^2/NDF:2.0/2

\+ sign 547.274+/-1063.872 χ^2/NDF: 28.1/20

All: 439.944+/-755.829 χ^2/NDF: 43.4/42

\- sign 330.559+/-1074.008 χ^2/NDF: 15.3/21

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

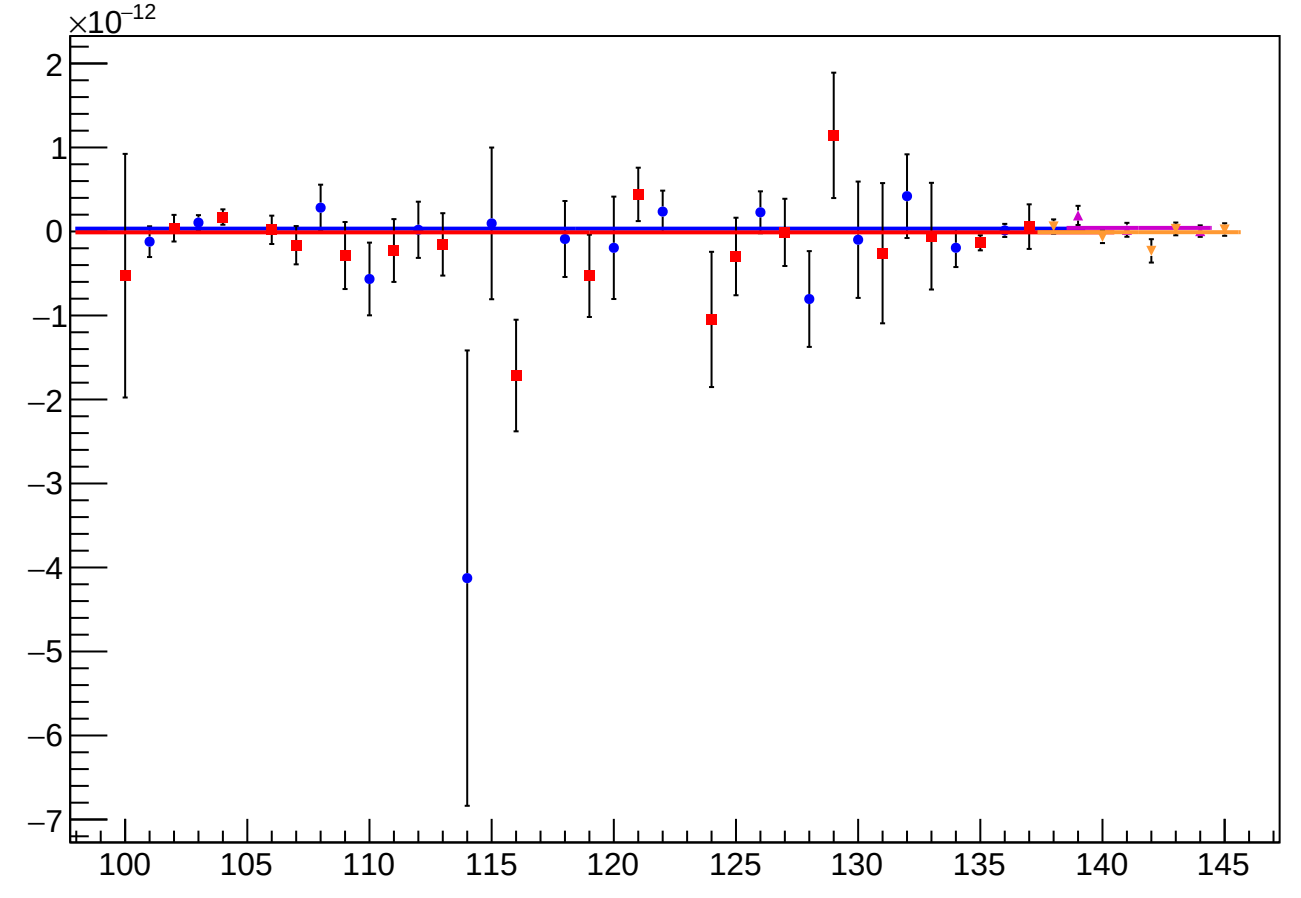
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3605.549+/-1.582 χ^2/NDF:37157.6/2

\+ sign 3419.432+/-0.752 χ^2/NDF: 1073216.2/20

All: 3311.166+/-0.531 χ^2/NDF: 2563233.7/42

\- sign 3203.668+/-0.750 χ^2/NDF: 1448738.8/21



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

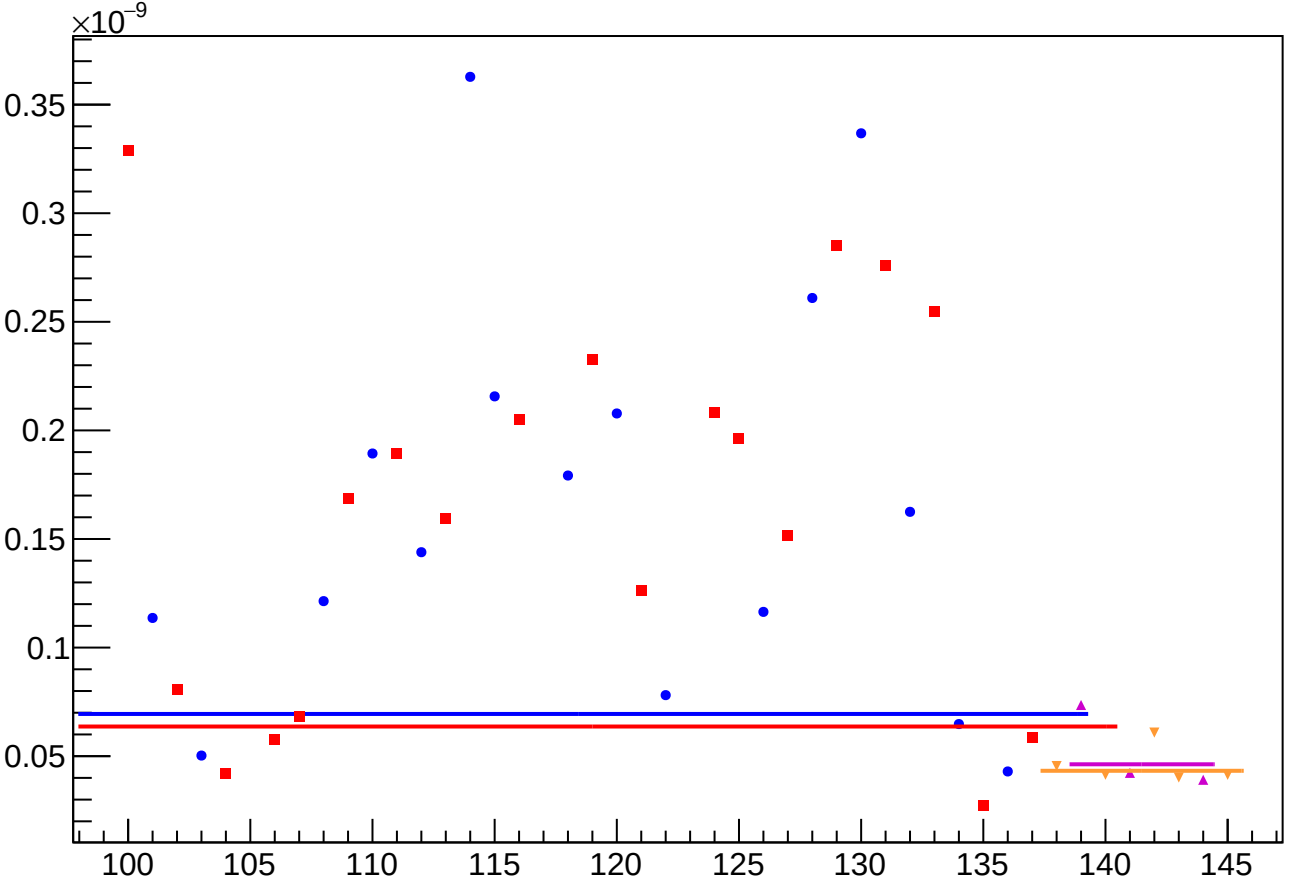
Left In: 0.000+/-0.000 χ^2/NDF:2.1/2

\+ sign 0.000+/-0.000 χ^2/NDF: 16.6/20

All: 0.000+/-0.000 χ^2/NDF: 41.2/42

\- sign 0.000+/-0.000 χ^2/NDF: 24.6/21

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:39167.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

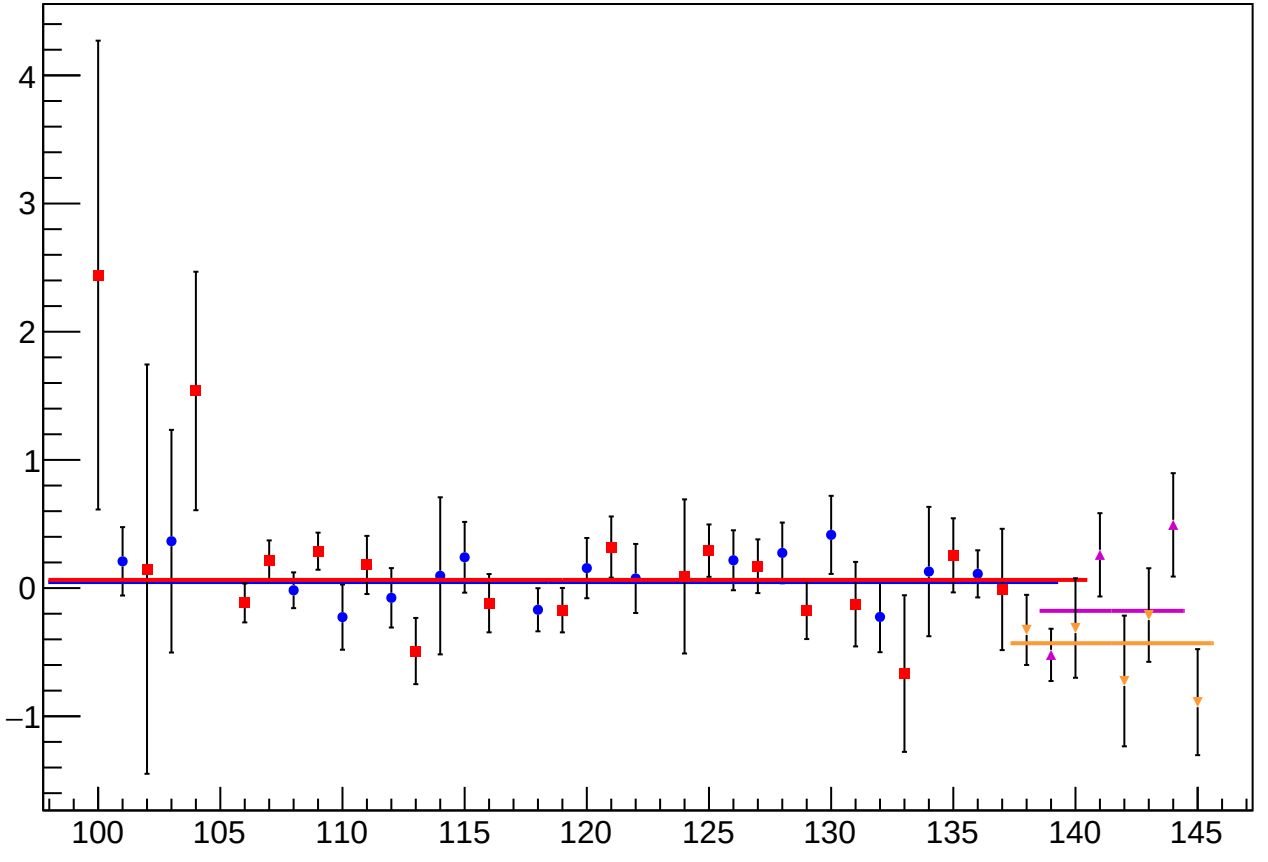
Left In: 0.000+/-0.000 χ^2/NDF:141030.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 2133158.9/20

All: 0.000+/-0.000 χ^2/NDF: 4655577.5/42

- sign 0.000+/-0.000 χ^2/NDF: 2518911.6/21

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

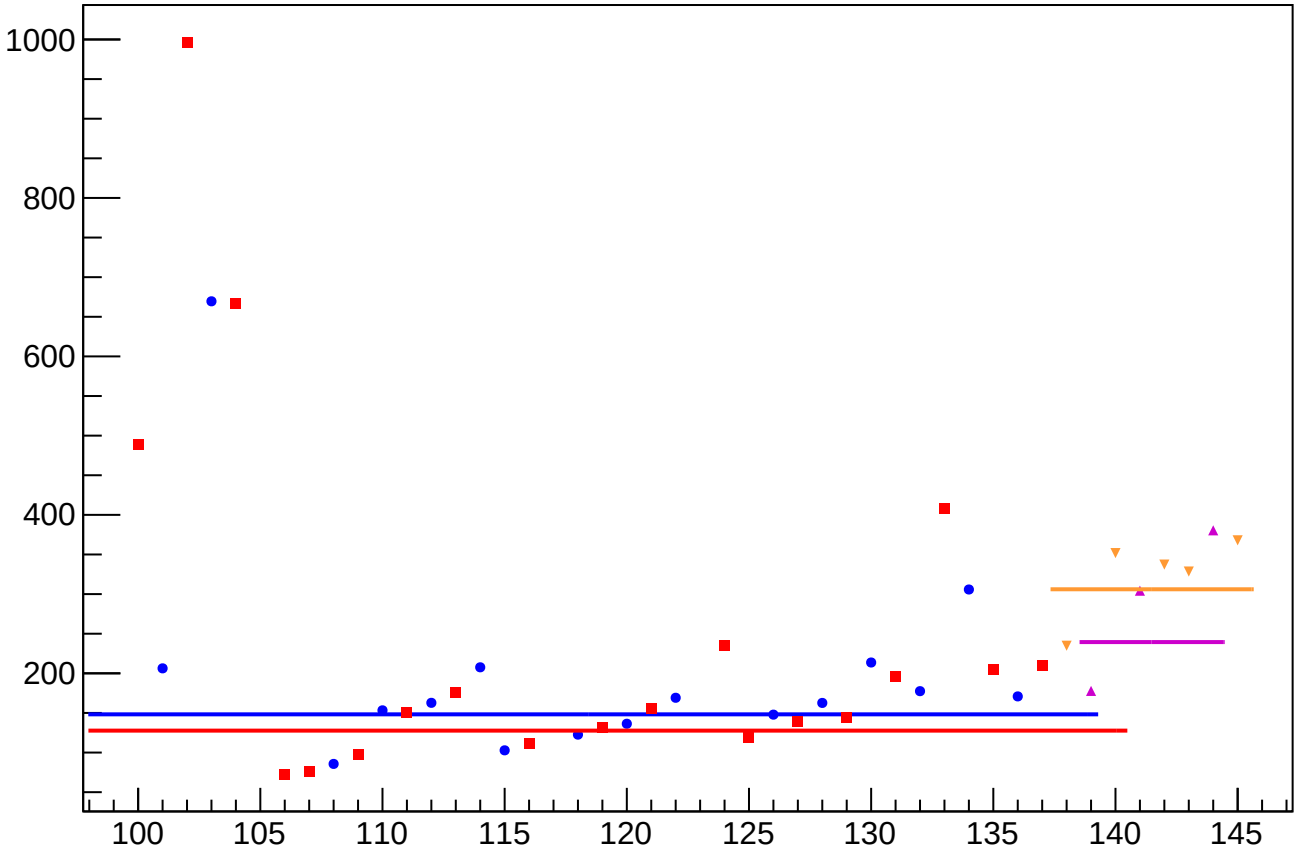
Left In: -0.178+/-0.159 χ^2/NDF:7.4/2

+ sign -0.009+/-0.056 χ^2/NDF: 18.2/20

All: 0.016+/-0.038 χ^2/NDF: 50.3/42

- sign 0.038+/-0.052 χ^2/NDF: 31.7/21

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

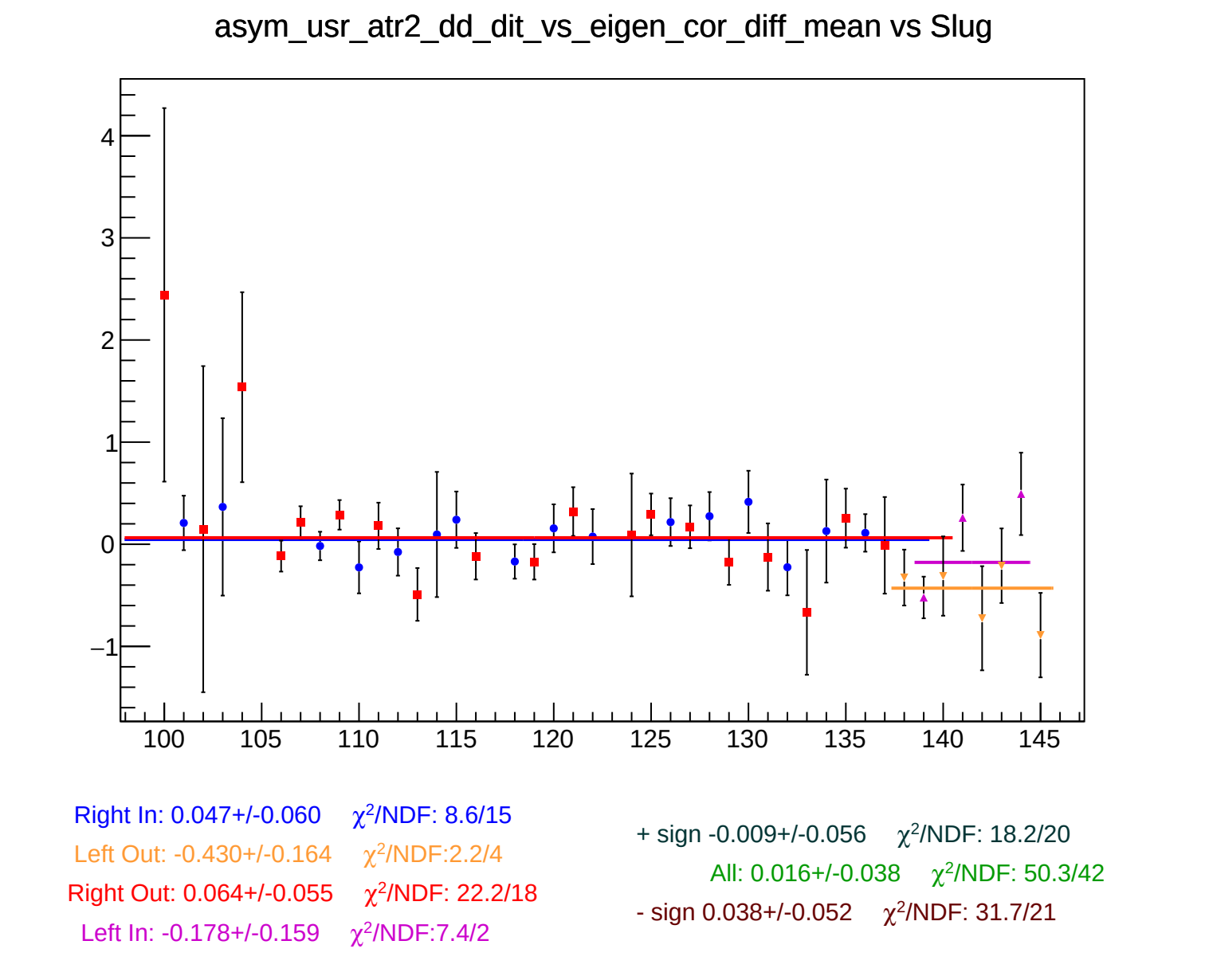
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 239.438+/-0.112 χ^2/NDF:506876.9/2

+ sign 166.898+/-0.040 χ^2/NDF: 3567562.6/20

All: 152.030+/-0.027 χ^2/NDF: 8058062.2/42

- sign 139.528+/-0.037 χ^2/NDF: 4234357.2/21


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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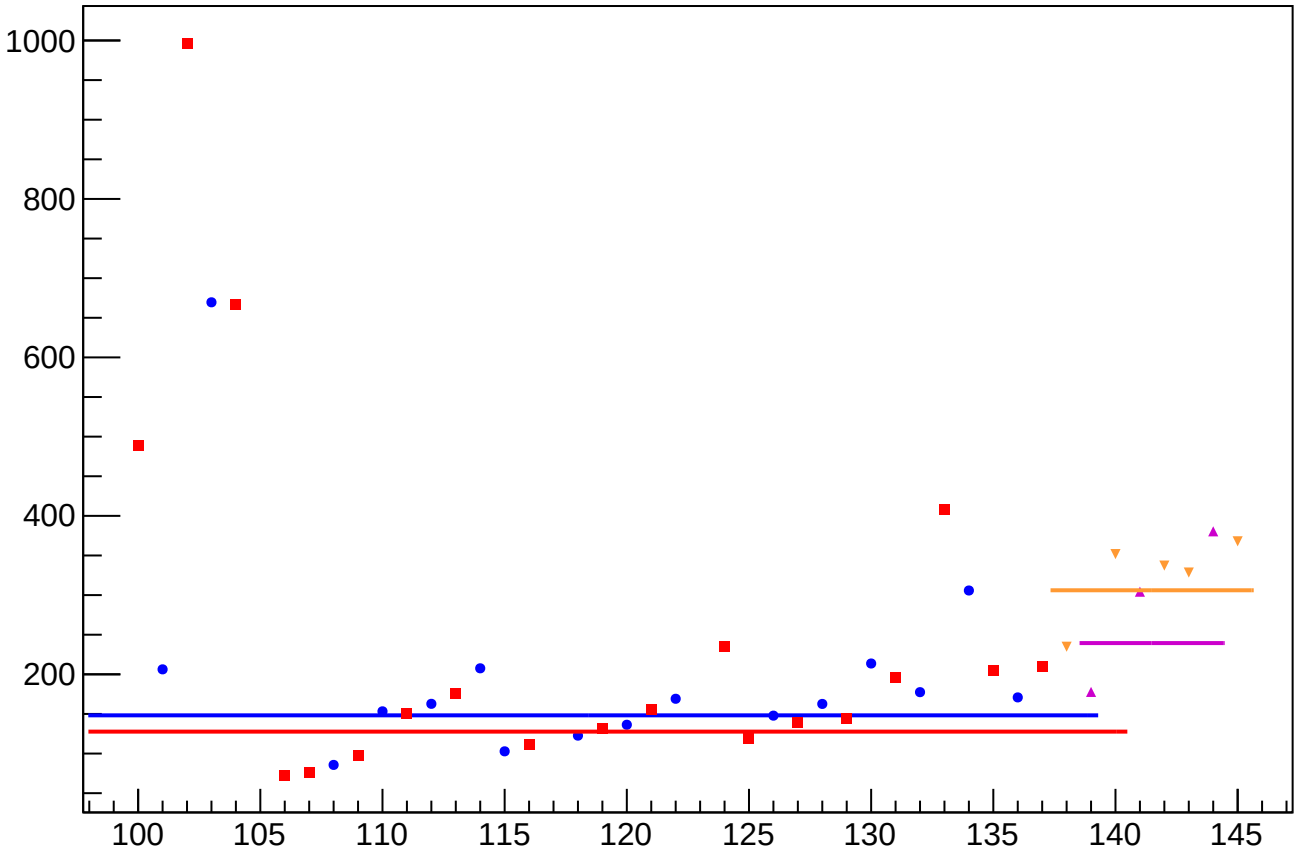
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.430+/-0.164 χ²/NDF:2.2/4
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.178+/-0.159 χ²/NDF:7.4/2
+ sign -0.009+/-0.056 χ²/NDF: 18.2/20
All: 0.016+/-0.038 χ²/NDF: 50.3/42
- sign 0.038+/-0.052 χ²/NDF: 31.7/21



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 306.077+/-0.116 χ^2/NDF:223060.4/4

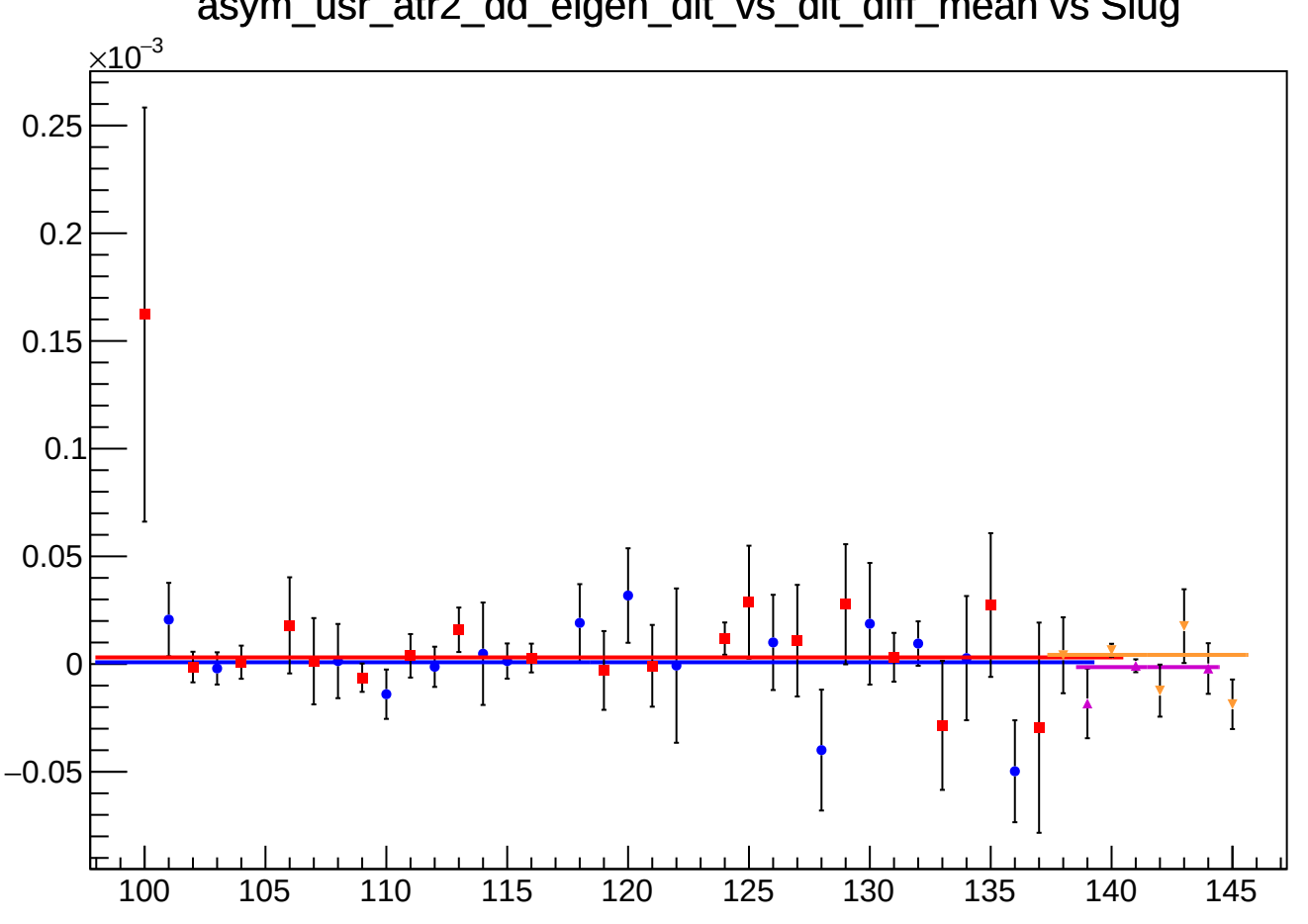
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 239.438+/-0.112 χ^2/NDF:506876.9/2

+ sign 166.898+/-0.040 χ^2/NDF: 3567562.6/20

All: 152.030+/-0.027 χ^2/NDF: 8058062.2/42

- sign 139.528+/-0.037 χ^2/NDF: 4234357.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/4

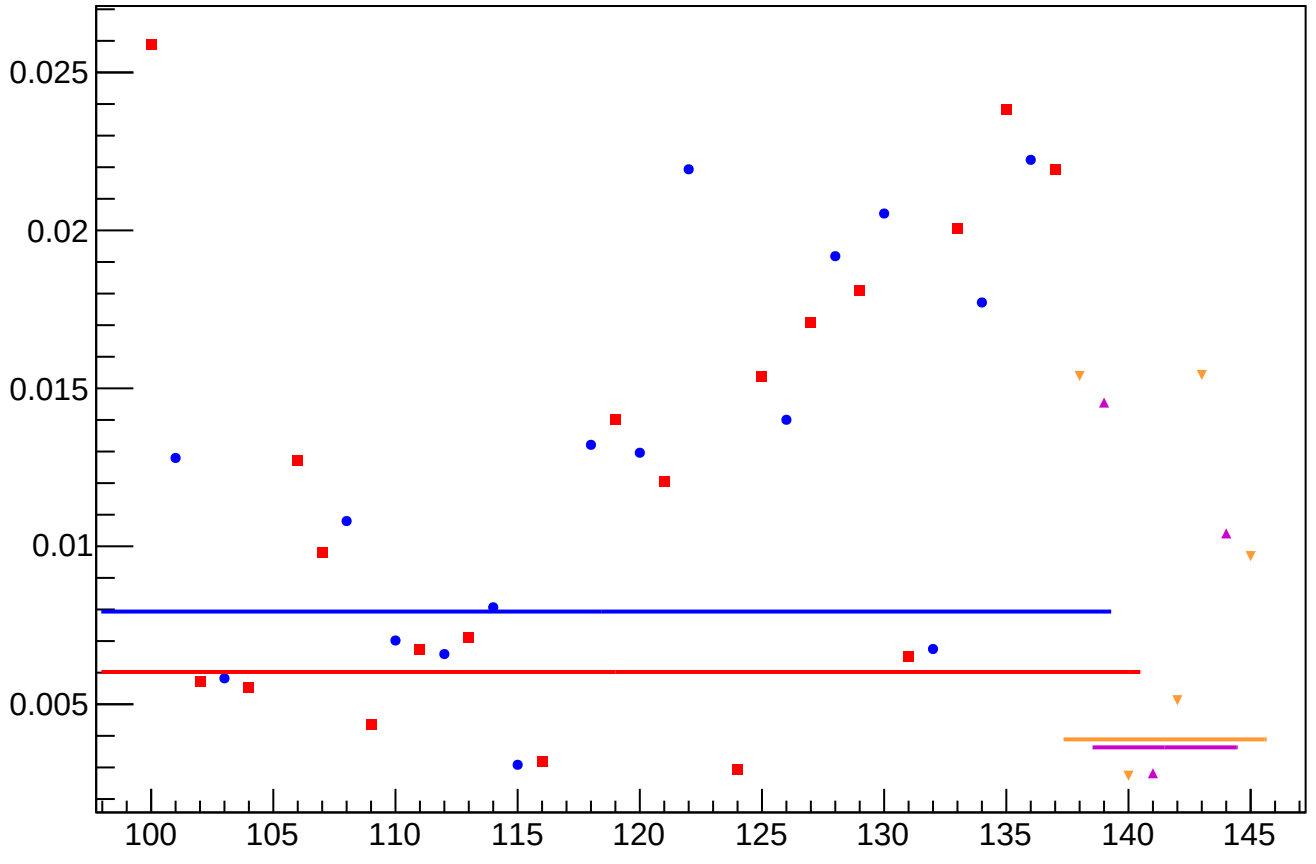
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.9/20

All: 0.000+/-0.000 χ^2/NDF: 37.5/42

- sign 0.000+/-0.000 χ^2/NDF: 15.2/21



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2585818.4/4

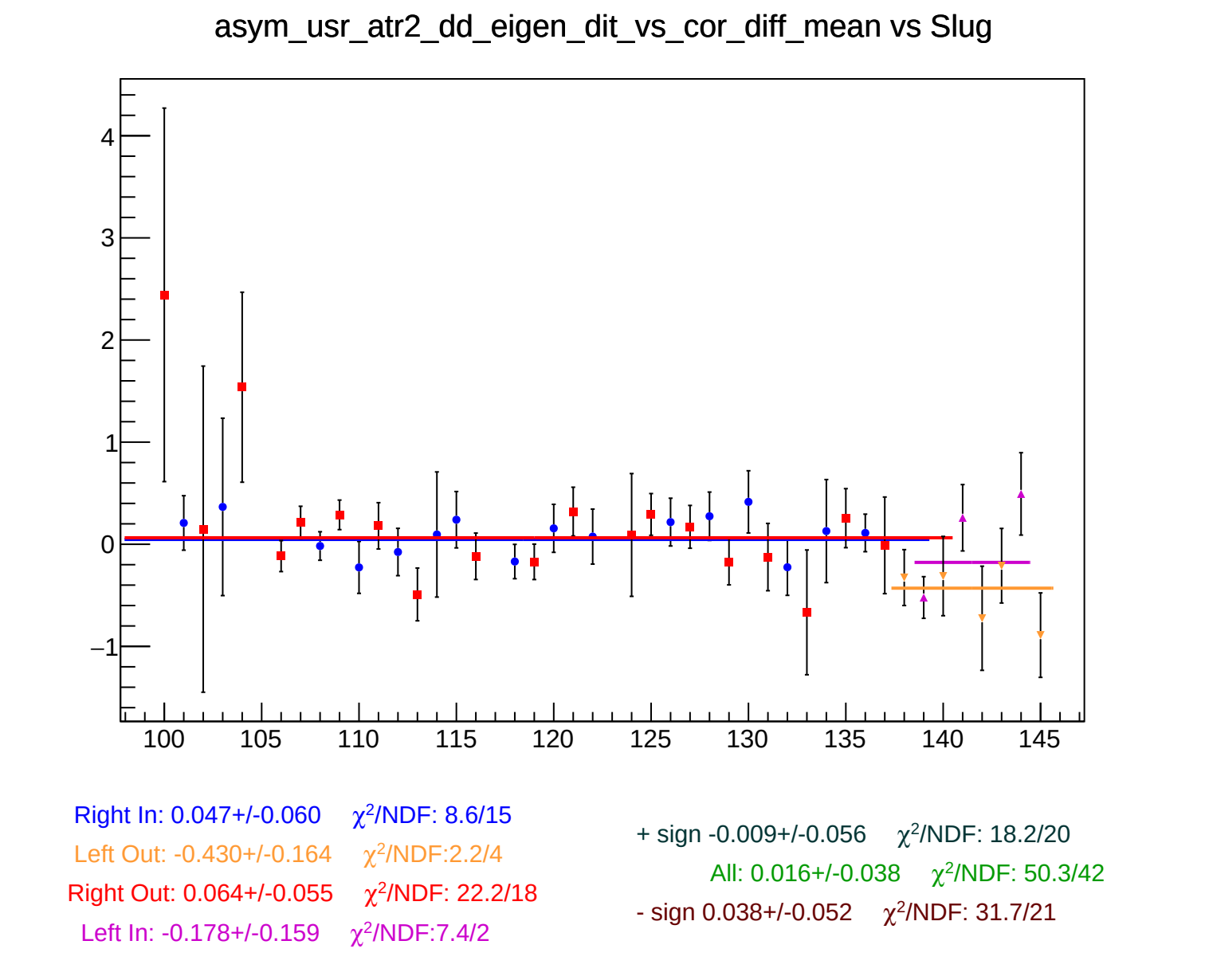
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.004+/-0.000 χ^2/NDF:1725971.4/2

+ sign 0.005+/-0.000 χ^2/NDF: 7842890.4/20

All: 0.005+/-0.000 χ^2/NDF: 14396509.3/42

- sign 0.005+/-0.000 χ^2/NDF: 6488745.3/21


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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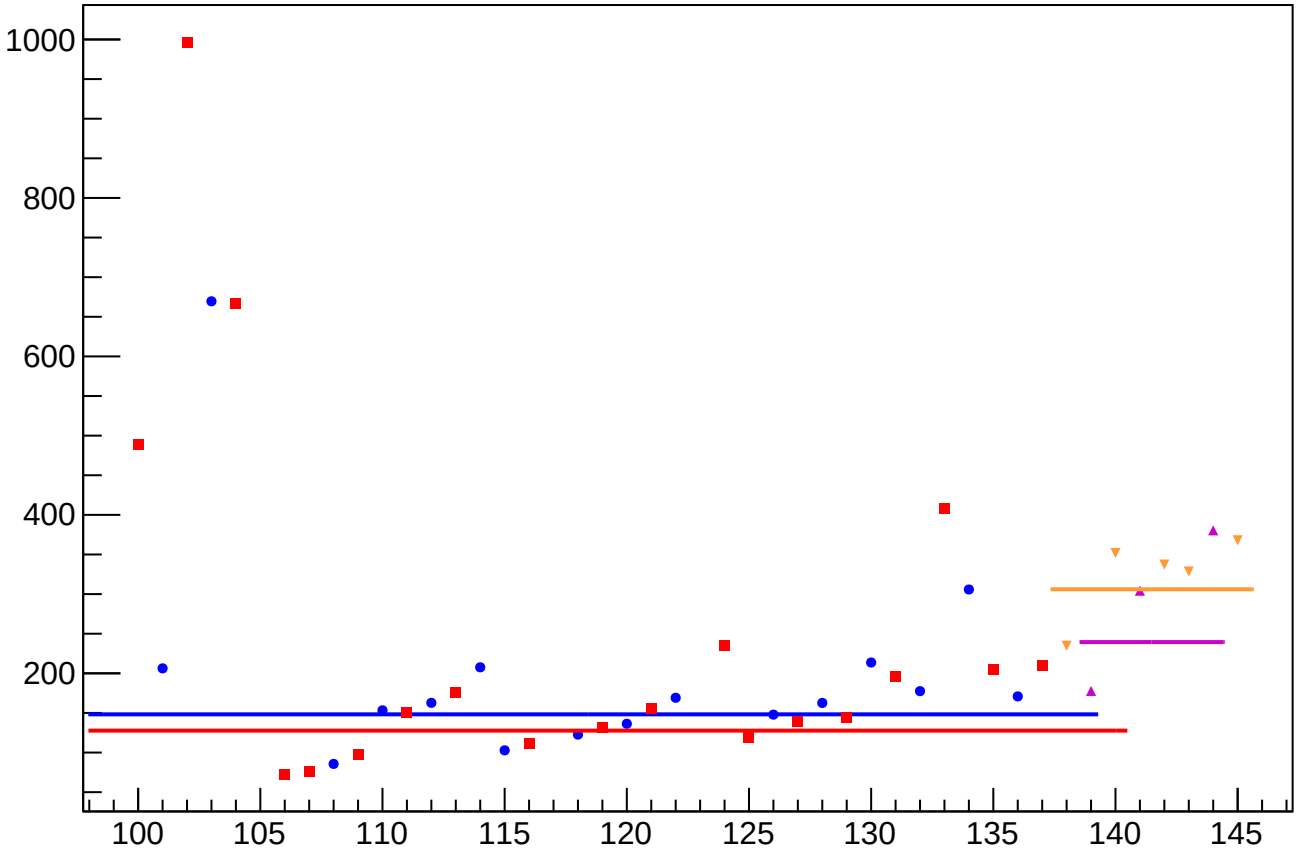
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.430+/-0.164 χ²/NDF:2.2/4
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.178+/-0.159 χ²/NDF:7.4/2
+ sign -0.009+/-0.056 χ²/NDF: 18.2/20
All: 0.016+/-0.038 χ²/NDF: 50.3/42
- sign 0.038+/-0.052 χ²/NDF: 31.7/21

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

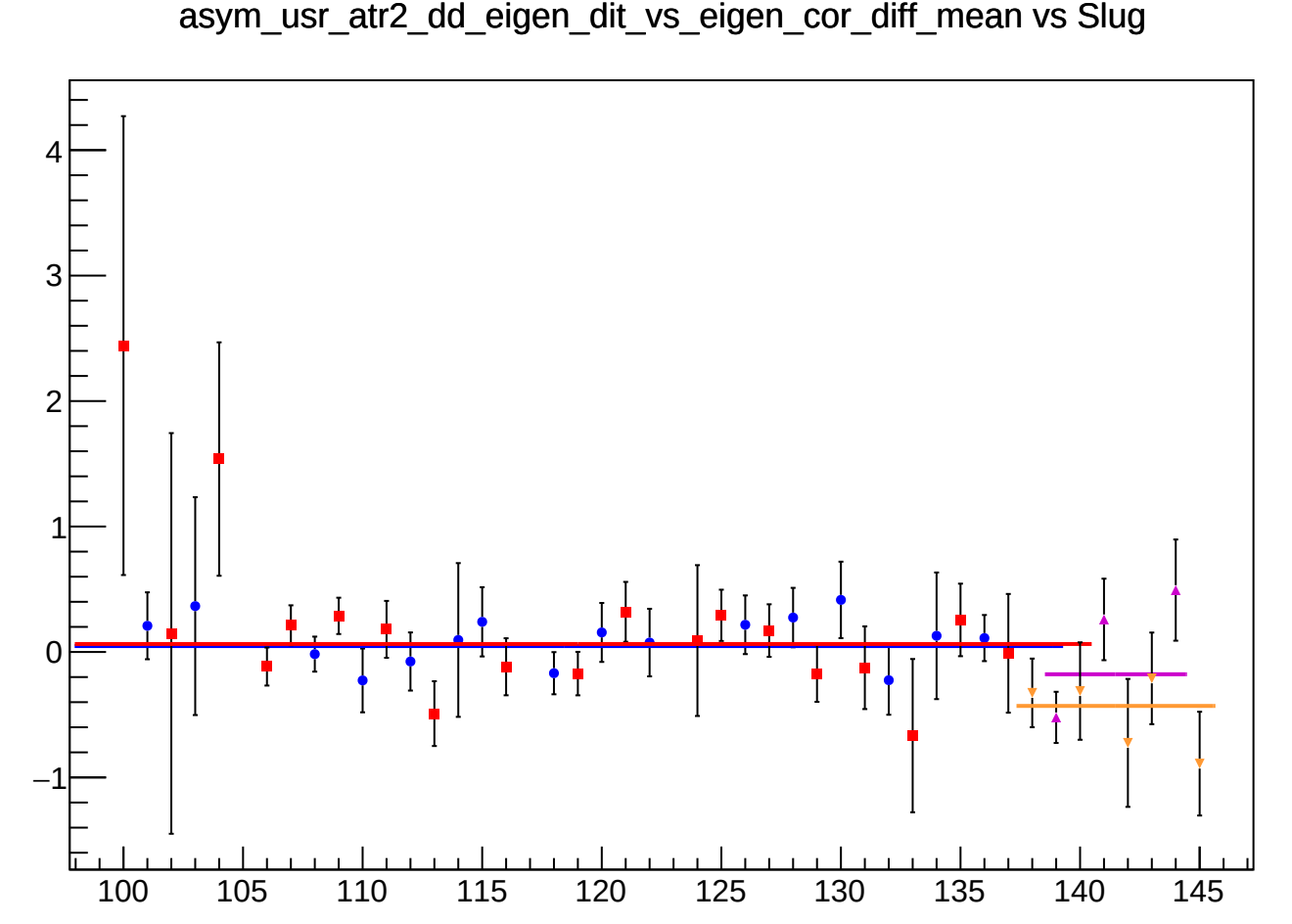
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 239.440+/-0.112 χ^2/NDF:506853.5/2

+ sign 166.896+/-0.040 χ^2/NDF: 3567728.4/20

All: 152.029+/-0.027 χ^2/NDF: 8058176.5/42

- sign 139.528+/-0.037 χ^2/NDF: 4234352.7/21



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.430+/-0.164 χ^2/NDF:2.2/4

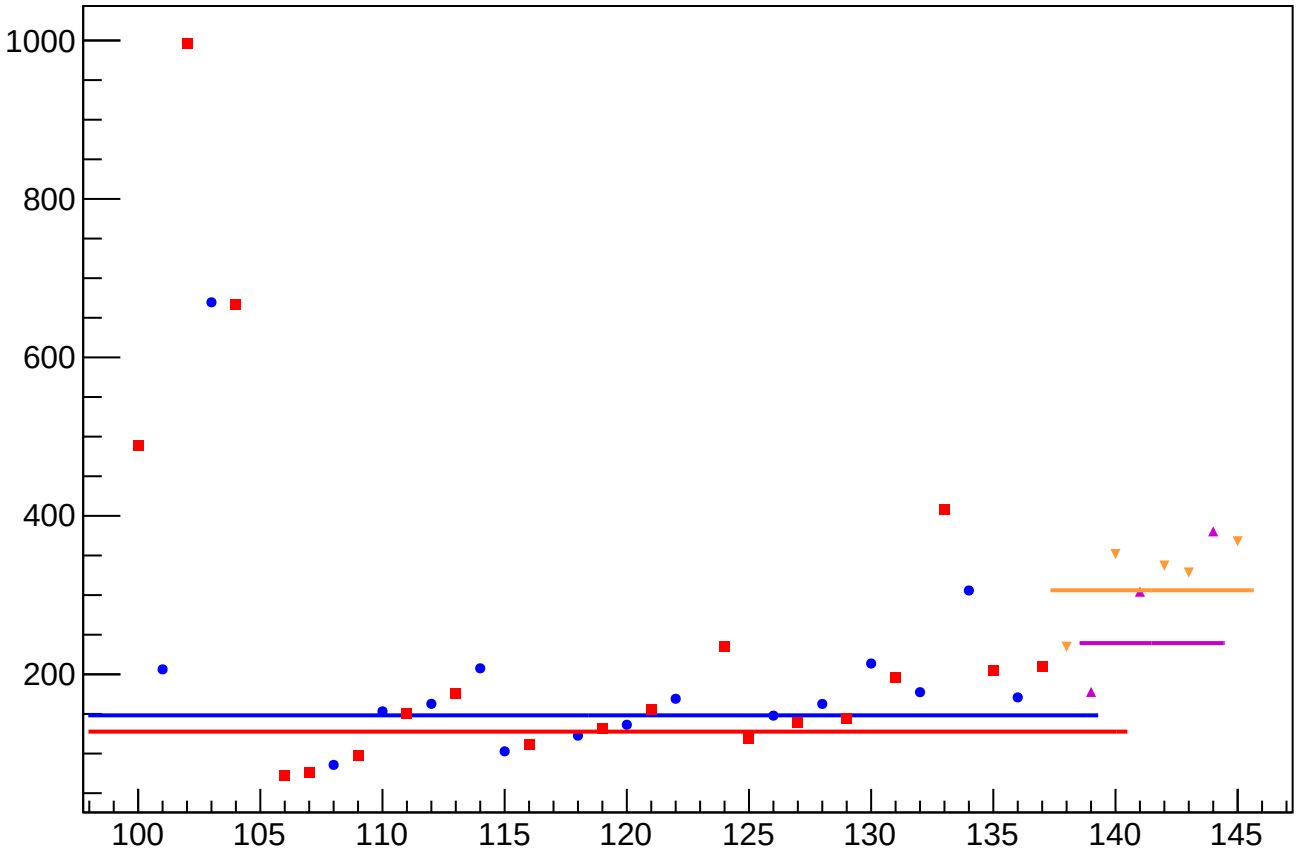
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.178+/-0.159 χ^2/NDF:7.4/2

+ sign -0.009+/-0.056 χ^2/NDF: 18.2/20

All: 0.016+/-0.038 χ^2/NDF: 50.3/42

- sign 0.038+/-0.052 χ^2/NDF: 31.7/21



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 306.081+/-0.116 χ^2/NDF:223043.7/4

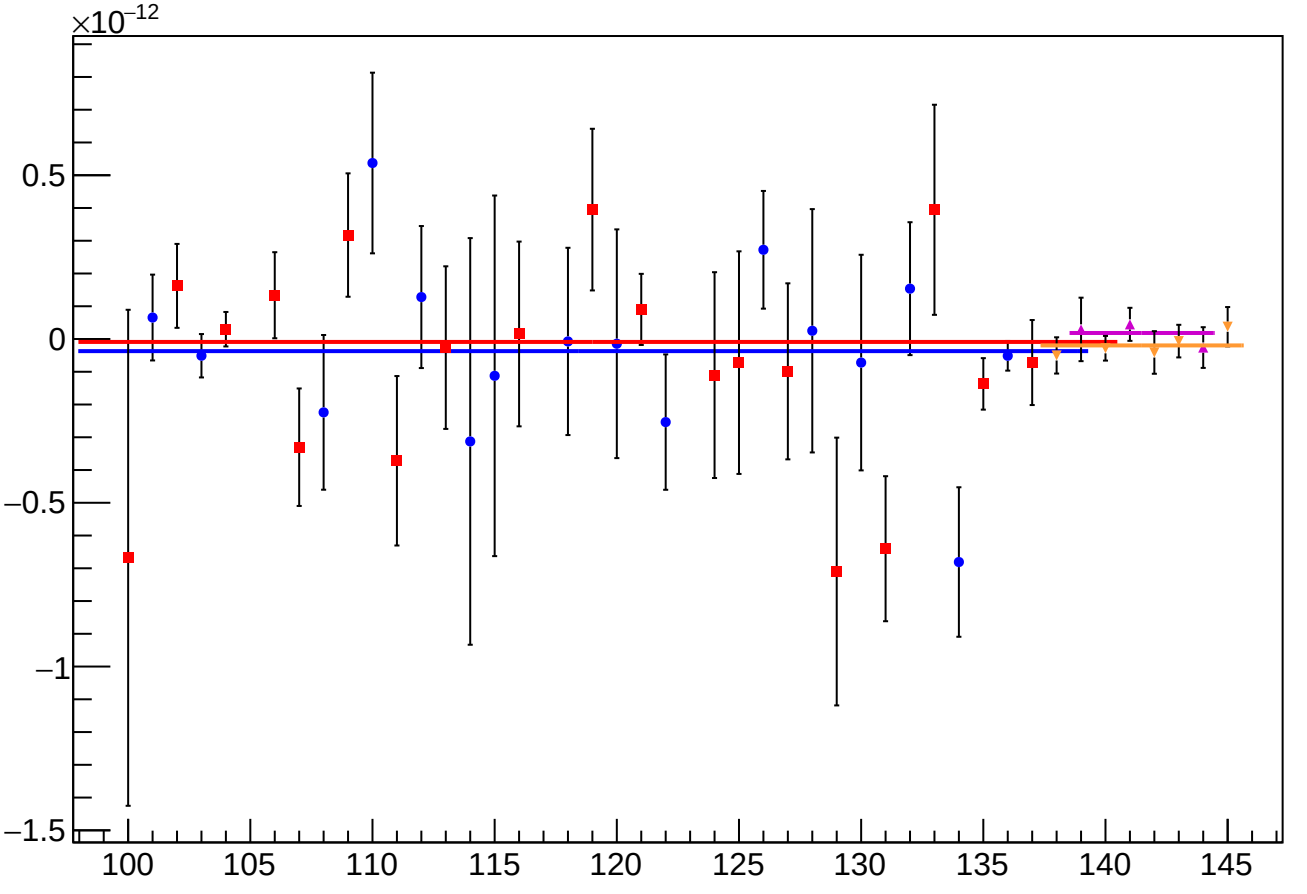
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 239.440+/-0.112 χ^2/NDF:506853.5/2

+ sign 166.896+/-0.040 χ^2/NDF: 3567728.4/20

All: 152.029+/-0.027 χ^2/NDF: 8058176.5/42

- sign 139.528+/-0.037 χ^2/NDF: 4234352.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/4

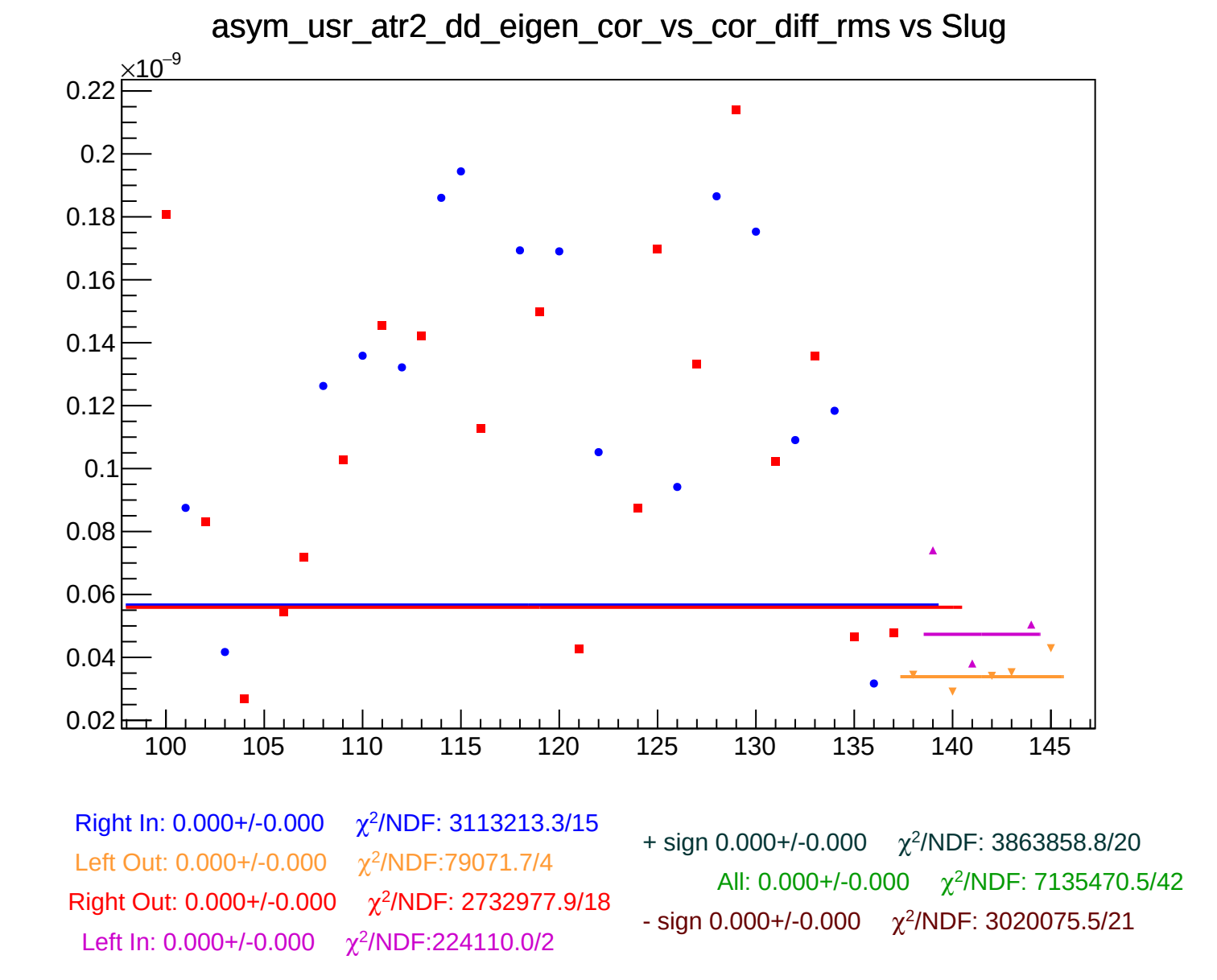
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 21.1/20

All: -0.000+/-0.000 χ^2/NDF: 54.9/42

- sign 0.000+/-0.000 χ^2/NDF: 32.9/21


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
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115
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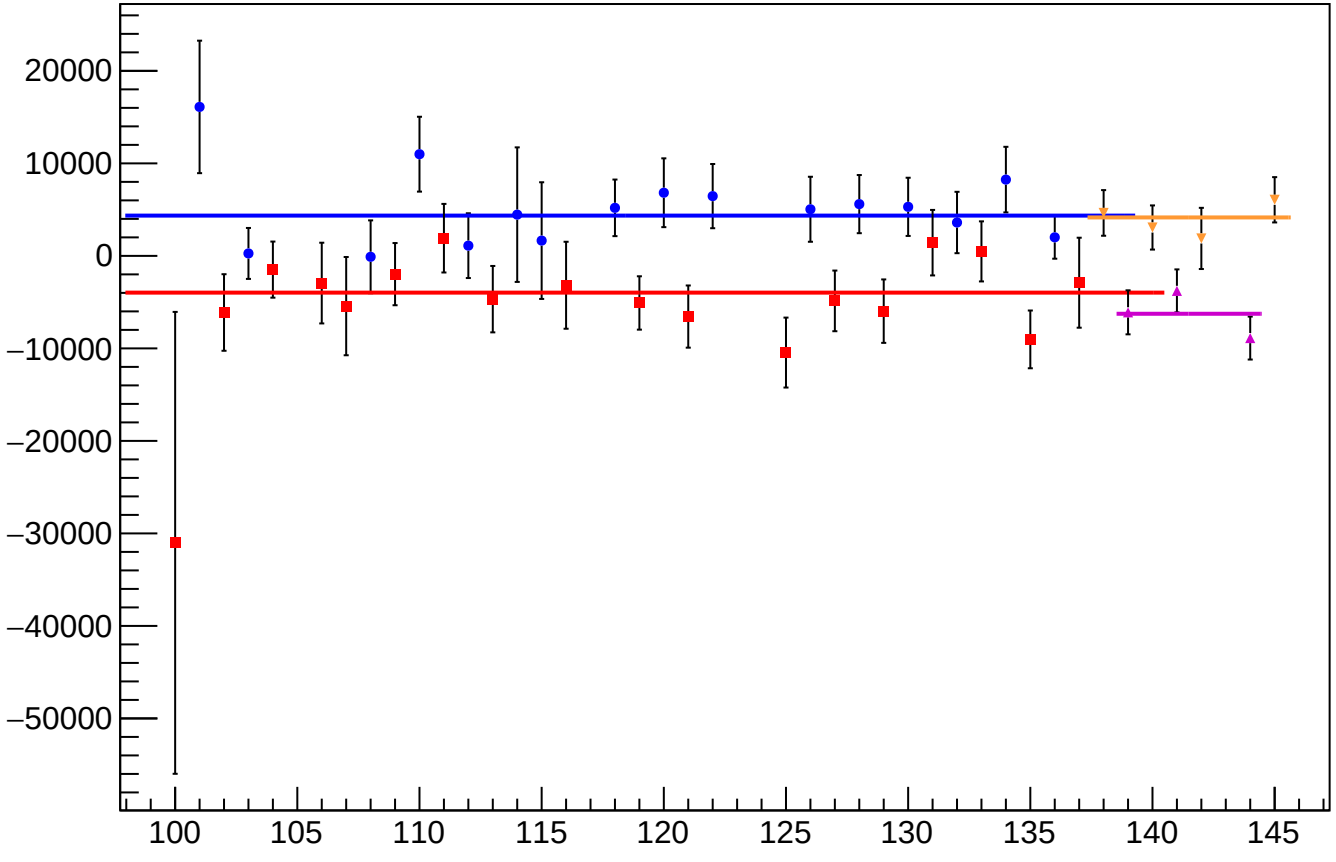
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:79071.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:224110.0/2
+ sign 0.000+/-0.000 χ²/NDF: 3863858.8/20
All: 0.000+/-0.000 χ²/NDF: 7135470.5/42
- sign 0.000+/-0.000 χ²/NDF: 3020075.5/21

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

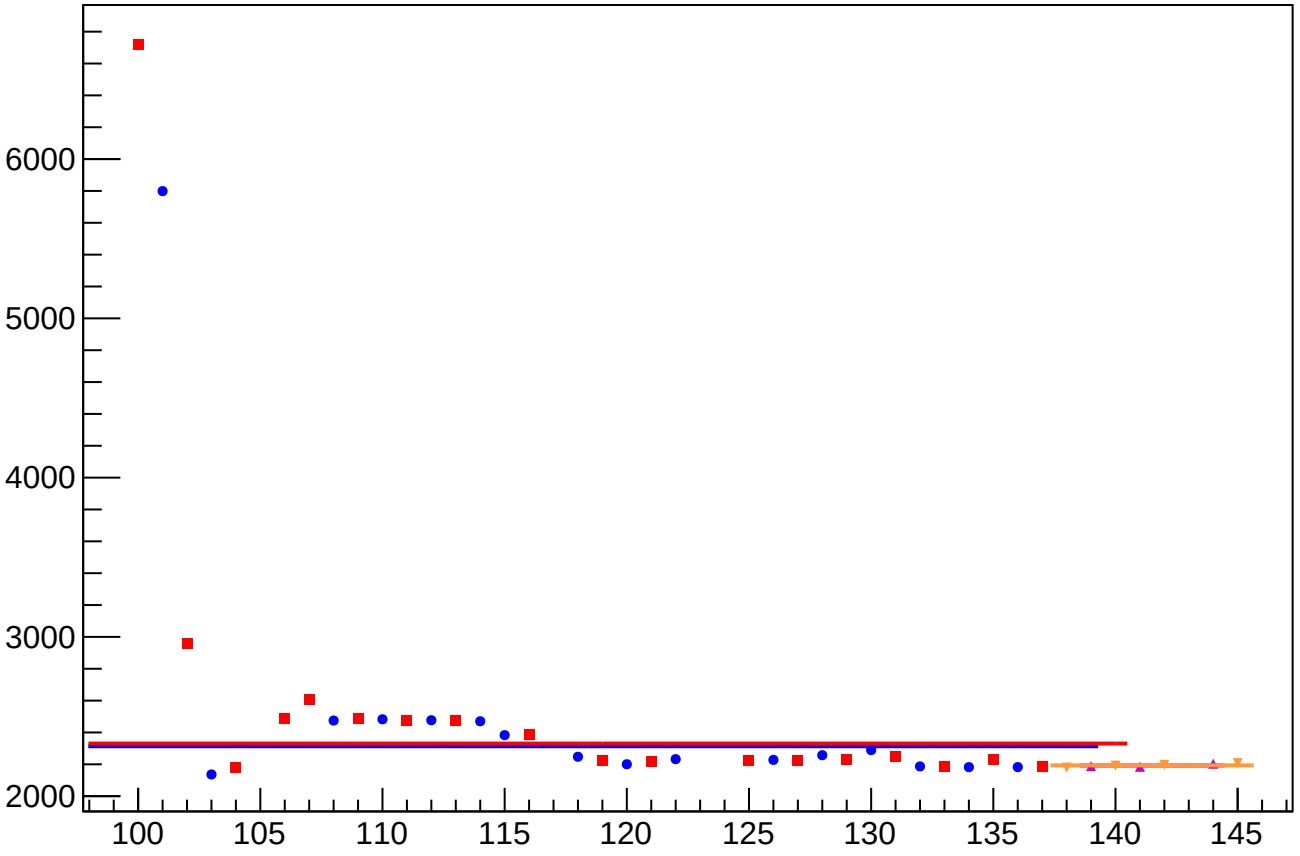
Left In: -6257.709+/-1351.461 χ^2/NDF:2.4/2

+ sign 4291.995+/-724.751 χ^2/NDF: 14.7/19

All: -129.132+/-515.126 χ^2/NDF: 110.5/40

- sign -4642.888+/-732.304 χ^2/NDF: 20.6/20

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

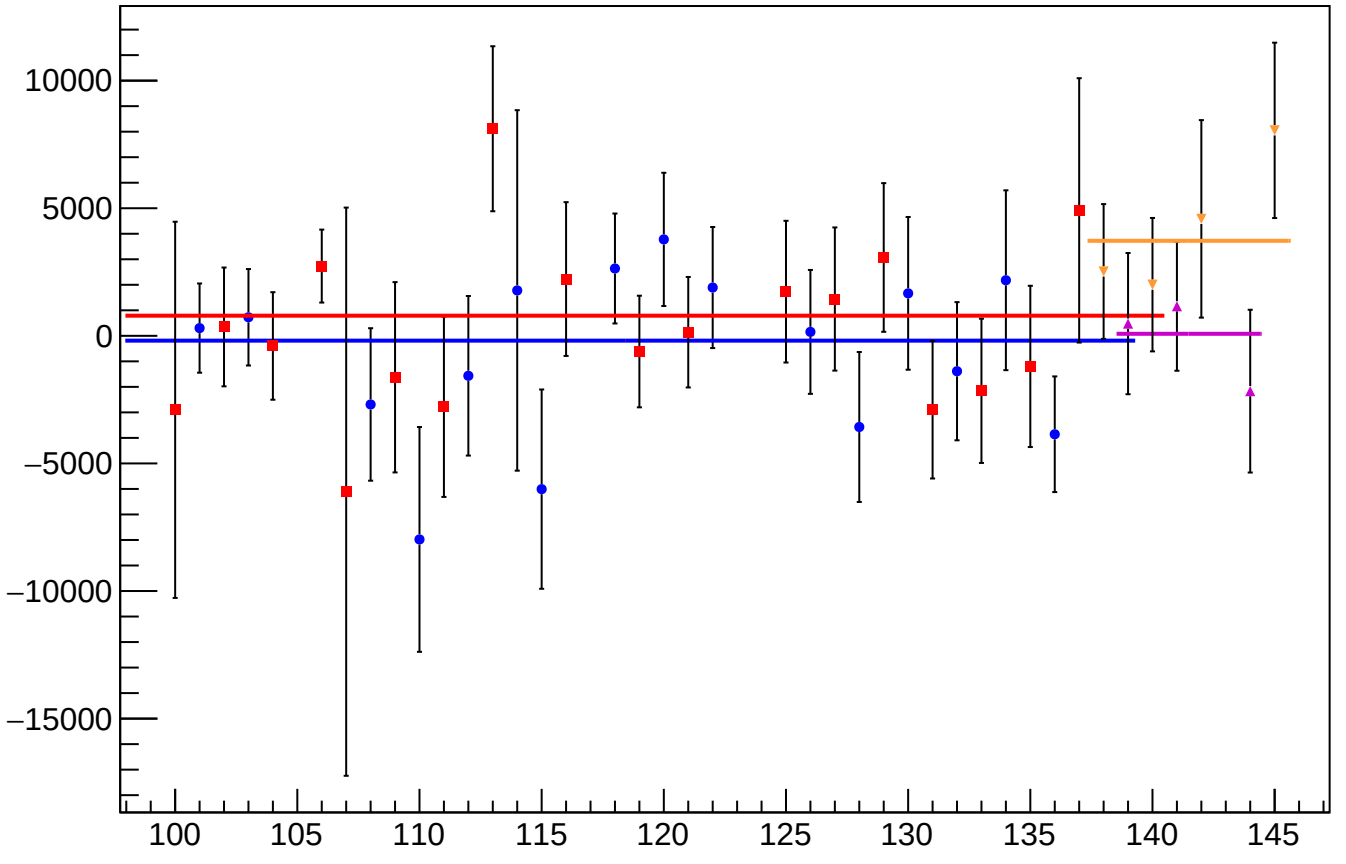
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2192.390+/-0.956 χ^2/NDF:75.0/2

+ sign 2275.660+/-0.512 χ^2/NDF: 524350.2/19

All: 2282.626+/-0.364 χ^2/NDF: 690699.4/40

- sign 2289.738+/-0.518 χ^2/NDF: 165975.8/20



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 3724.014+/-1505.591 χ^2/NDF:2.3/3

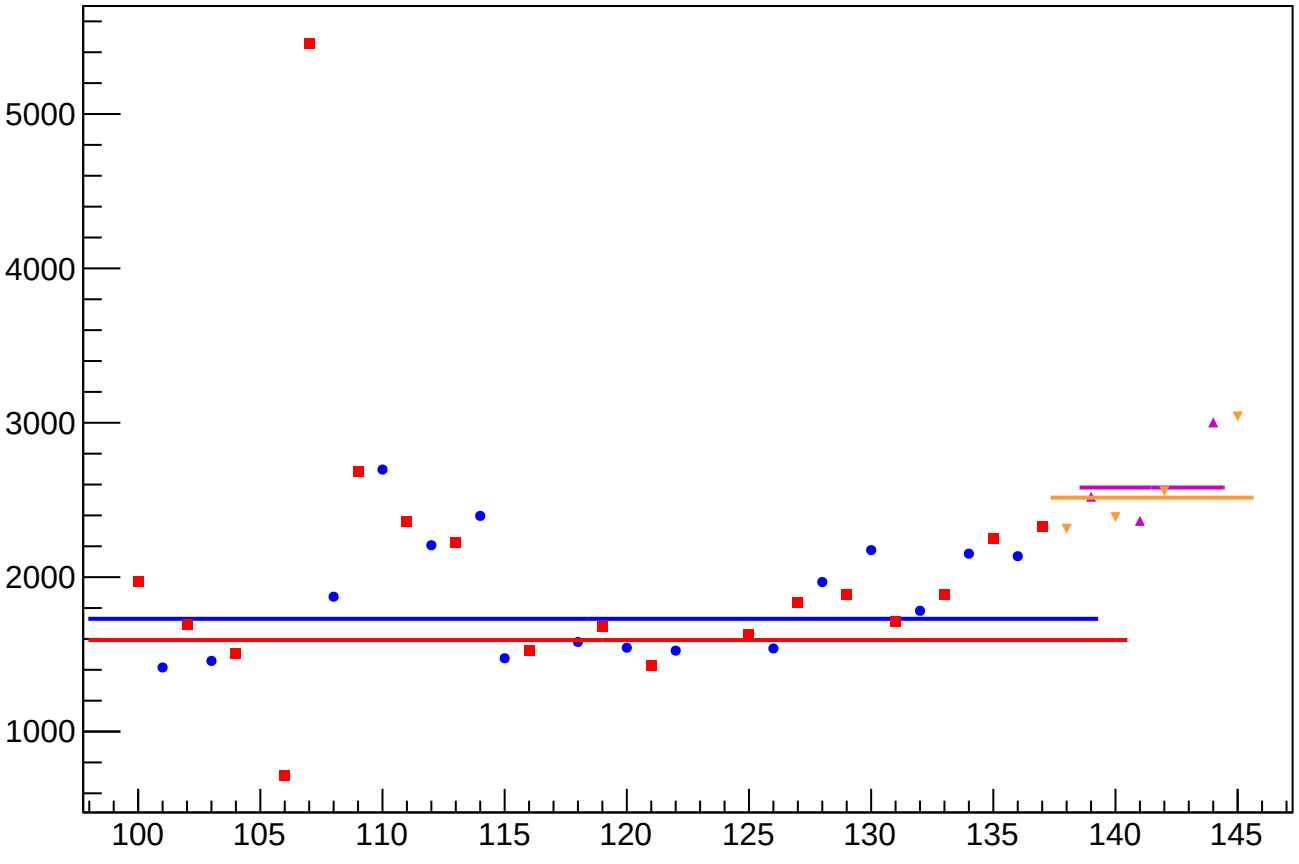
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 80.050+/-1610.450 χ^2/NDF:0.7/2

+ sign 439.354+/-603.191 χ^2/NDF: 24.4/19

All: 569.304+/-422.019 χ^2/NDF: 40.2/40

- sign 693.909+/-590.656 χ^2/NDF: 15.8/20



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

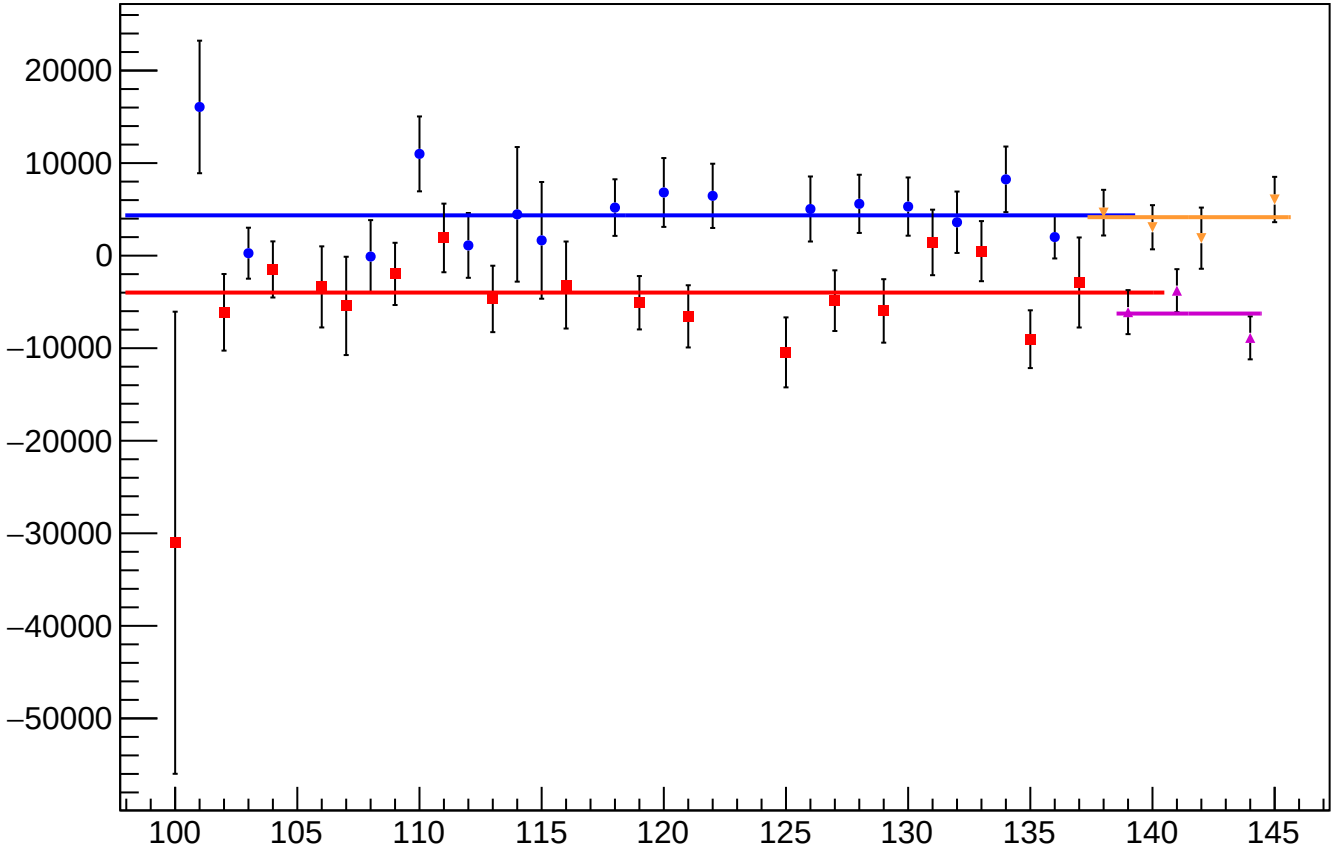
Left In: 2580.607+/-1.139 χ^2/NDF:50494.8/2

+ sign 1856.240+/-0.427 χ^2/NDF: 998438.3/19

All: 1789.598+/-0.298 χ^2/NDF: 3304164.1/40

- sign 1725.697+/-0.418 χ^2/NDF: 2257904.2/20

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

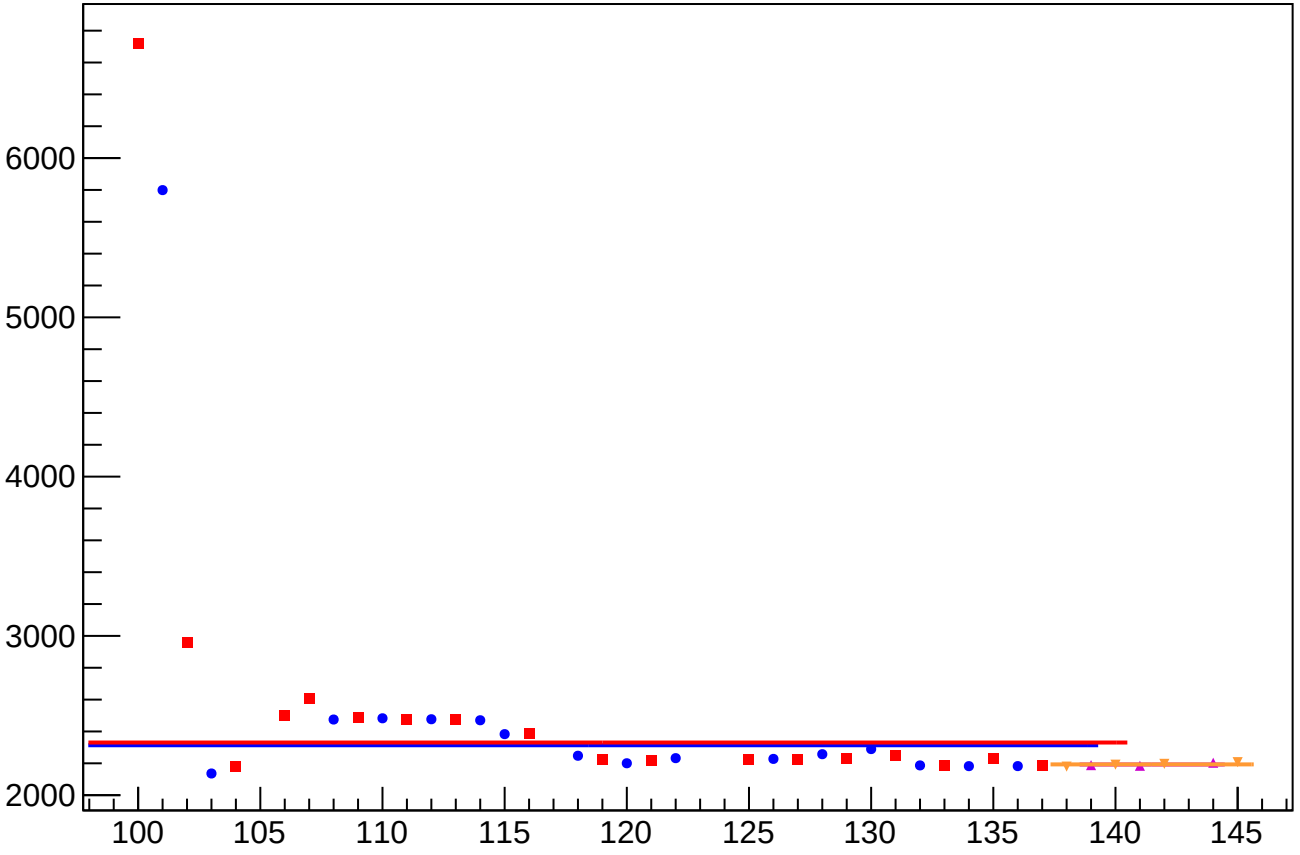
Left In: -6258.076+/-1351.461 χ^2/NDF:2.4/2

\+ sign 4291.582+/-724.751 χ^2/NDF: 14.7/19

All: -135.293+/-515.157 χ^2/NDF: 110.6/40

\- sign -4656.018+/-732.393 χ^2/NDF: 20.5/20

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

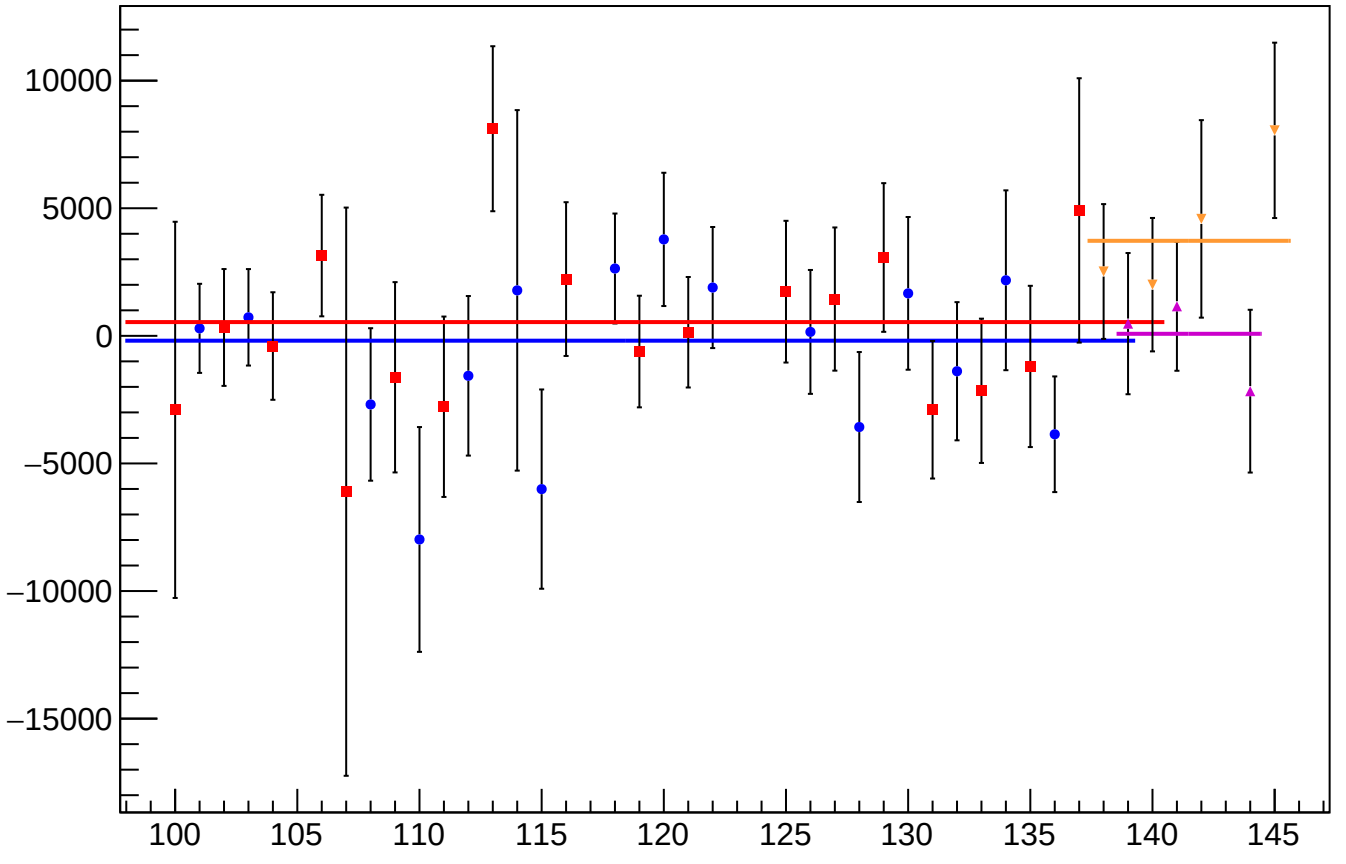
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.390+/-0.956 χ^2/NDF:75.0/2

+ sign 2275.660+/-0.512 χ^2/NDF: 524350.7/19

All: 2282.749+/-0.364 χ^2/NDF: 691136.7/40

- sign 2289.989+/-0.518 χ^2/NDF: 166399.3/20



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 3724.088+/-1505.586 χ^2/NDF:2.3/3

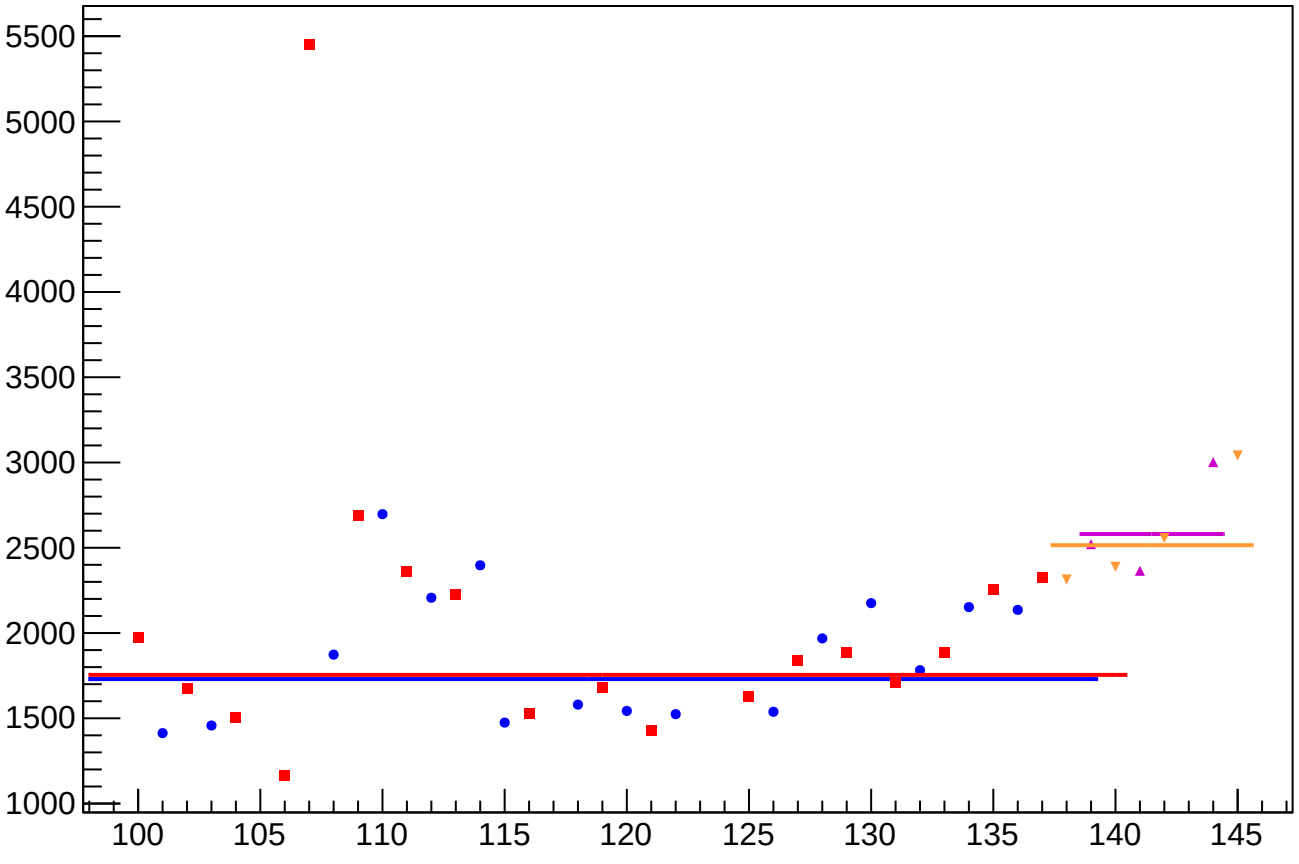
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 80.013+/-1610.453 χ^2/NDF:0.7/2

+ sign 438.237+/-603.091 χ^2/NDF: 24.4/19

All: 453.695+/-434.005 χ^2/NDF: 39.1/40

- sign 470.298+/-625.049 χ^2/NDF: 14.7/20



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2514.994+/-1.065 χ^2/NDF:63406.0/3

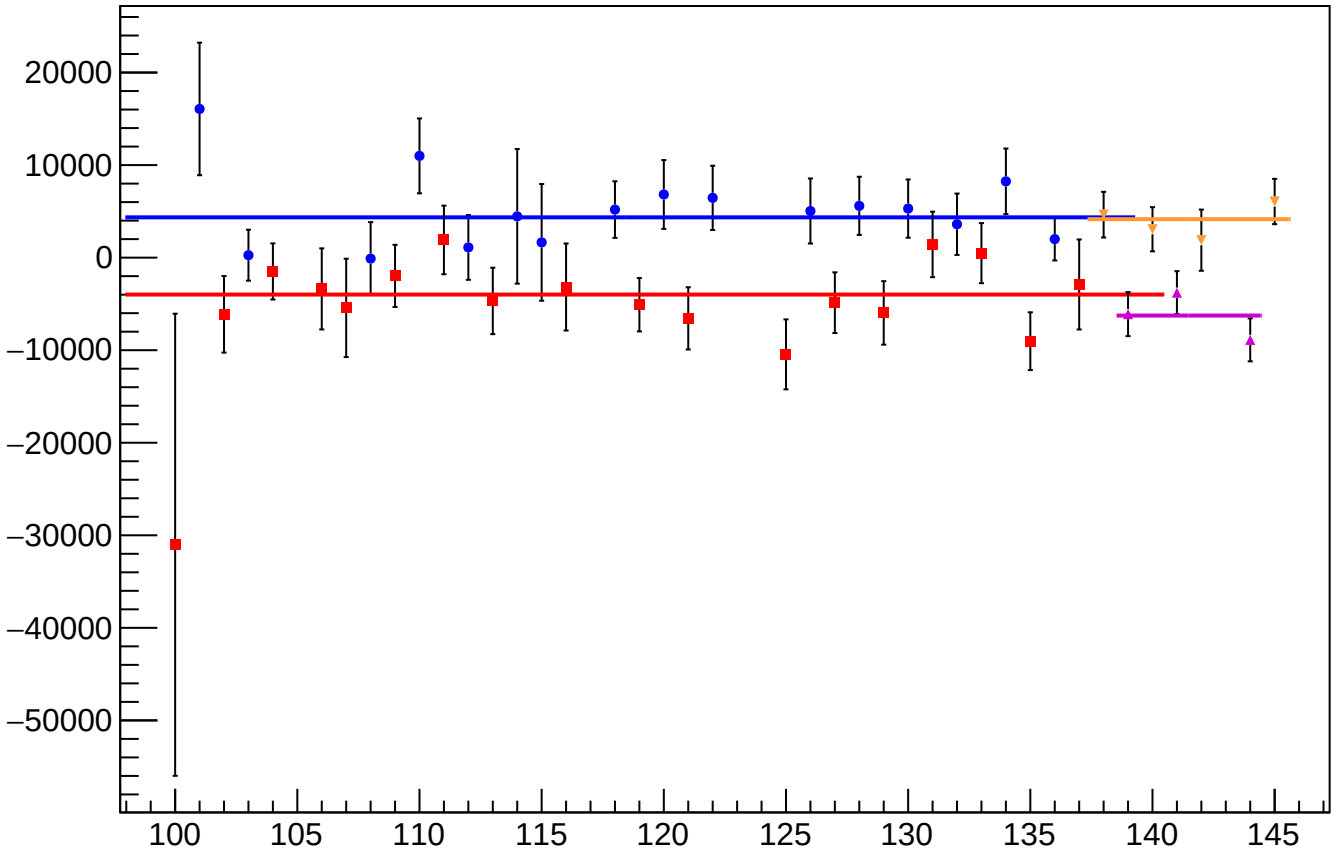
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2580.610+/-1.139 χ^2/NDF:50496.8/2

+ sign 1855.871+/-0.426 χ^2/NDF: 999874.7/19

All: 1867.005+/-0.307 χ^2/NDF: 2249762.0/40

- sign 1878.965+/-0.442 χ^2/NDF: 1248473.4/20



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

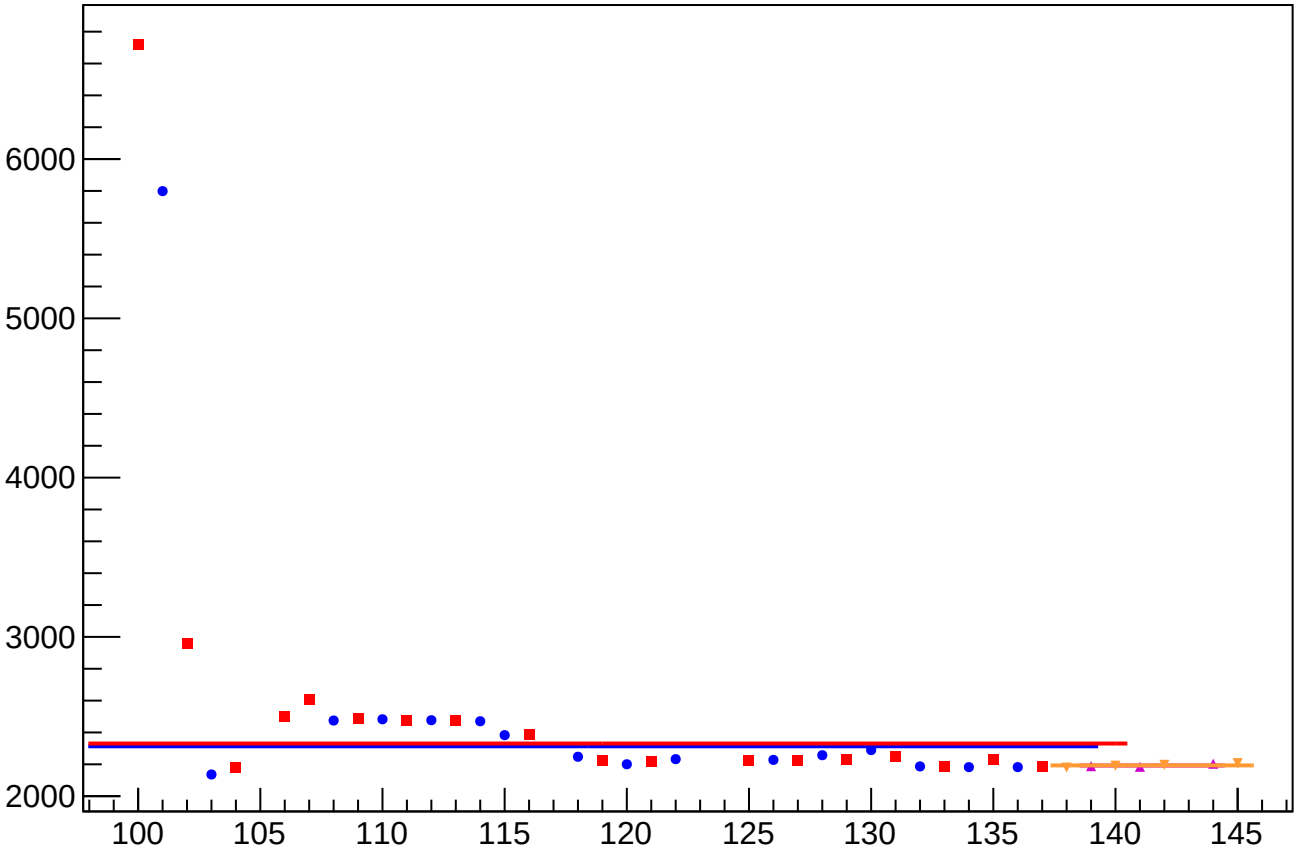
Left In: -6258.076+/-1351.461 χ^2/NDF:2.4/2

+ sign 4291.582+/-724.751 χ^2/NDF: 14.7/19

All: -135.293+/-515.157 χ^2/NDF: 110.6/40

- sign -4656.018+/-732.393 χ^2/NDF: 20.5/20

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2193.251+/-0.914 χ^2/NDF:132.3/3

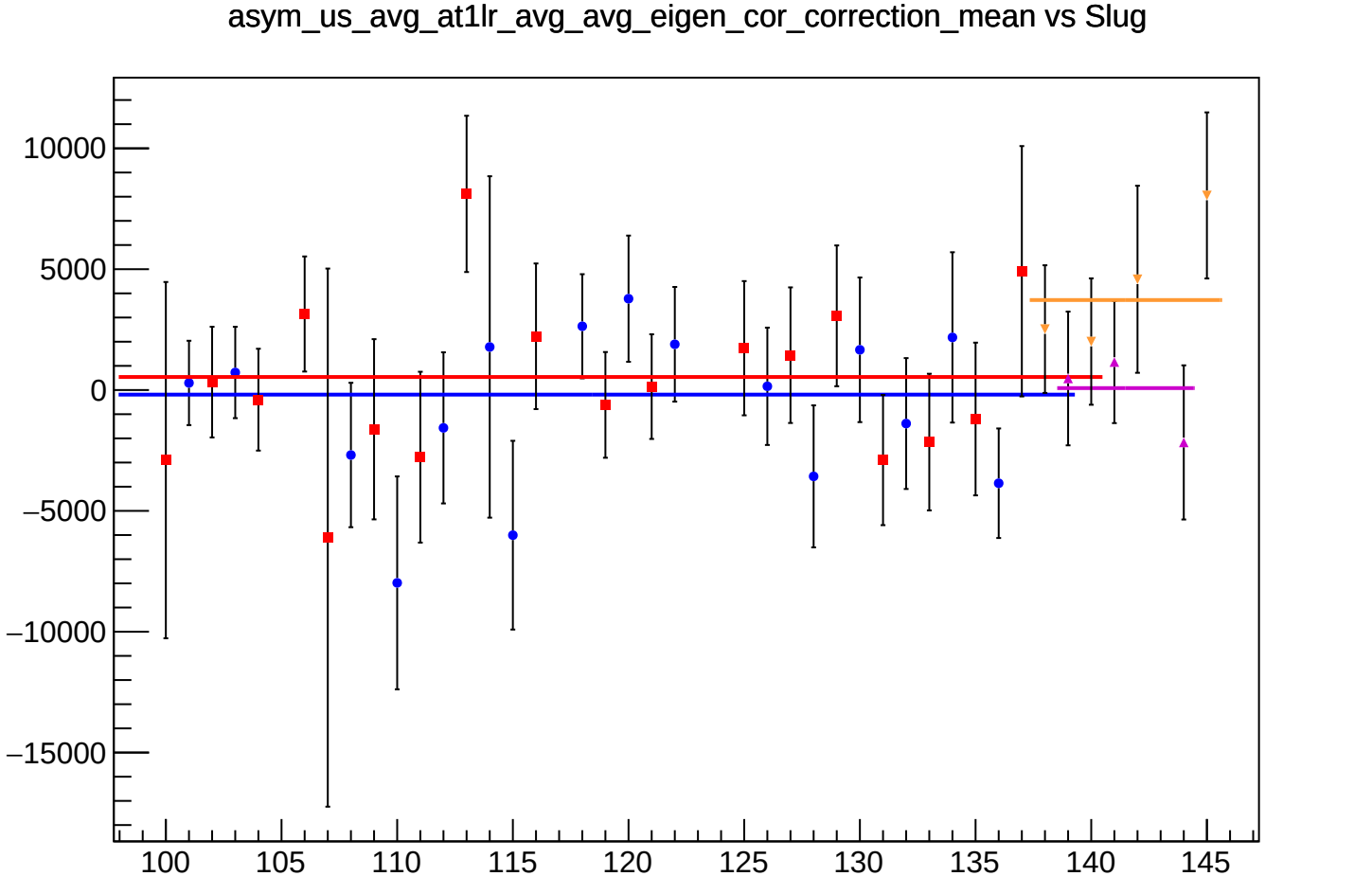
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.390+/-0.956 χ^2/NDF:75.0/2

+ sign 2275.660+/-0.512 χ^2/NDF: 524350.7/19

All: 2282.749+/-0.364 χ^2/NDF: 691136.7/40

- sign 2289.989+/-0.518 χ^2/NDF: 166399.3/20



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 3724.088+/-1505.586 χ^2/NDF:2.3/3

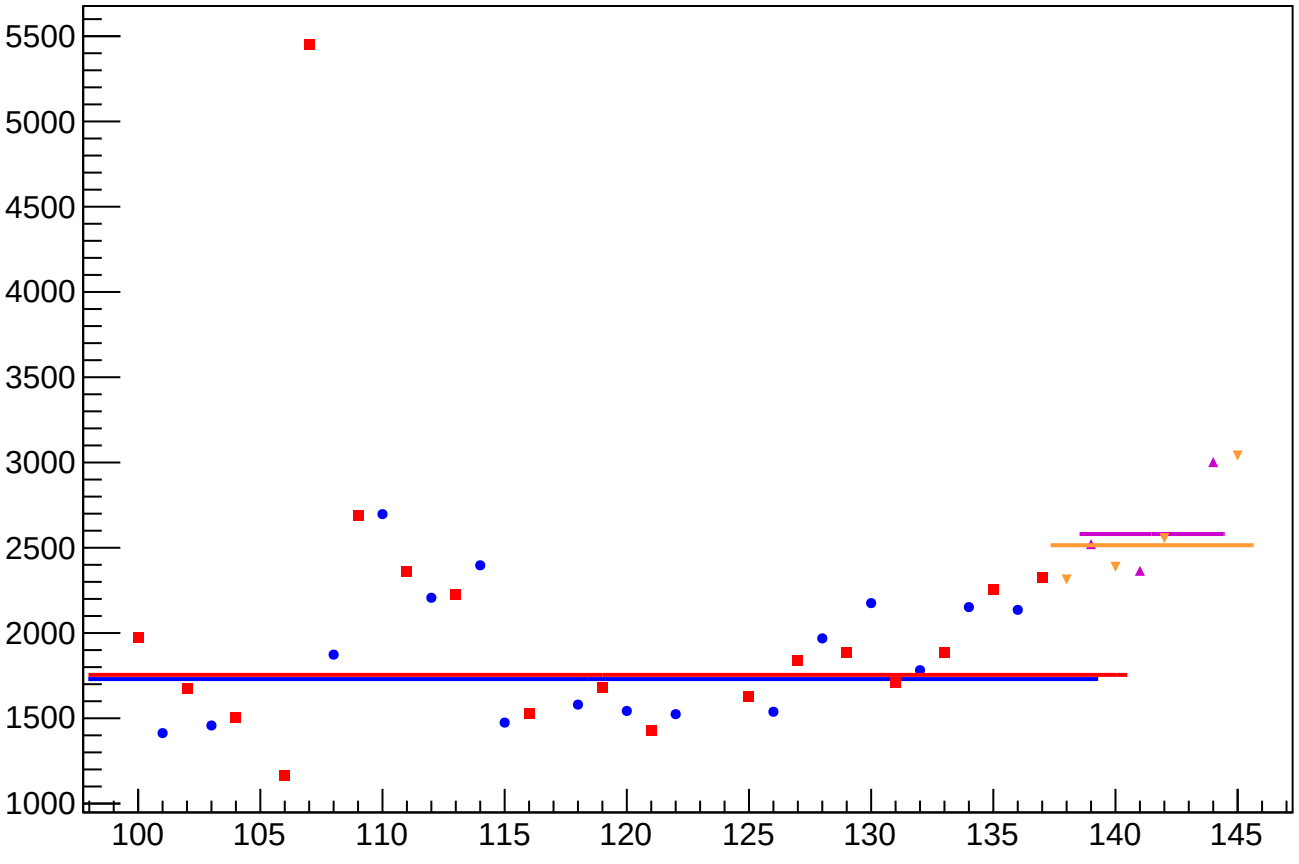
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 80.013+/-1610.453 χ^2/NDF:0.7/2

\+ sign 438.237+/-603.091 χ^2/NDF: 24.4/19

All: 453.695+/-434.005 χ^2/NDF: 39.1/40

\- sign 470.298+/-625.049 χ^2/NDF: 14.7/20



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

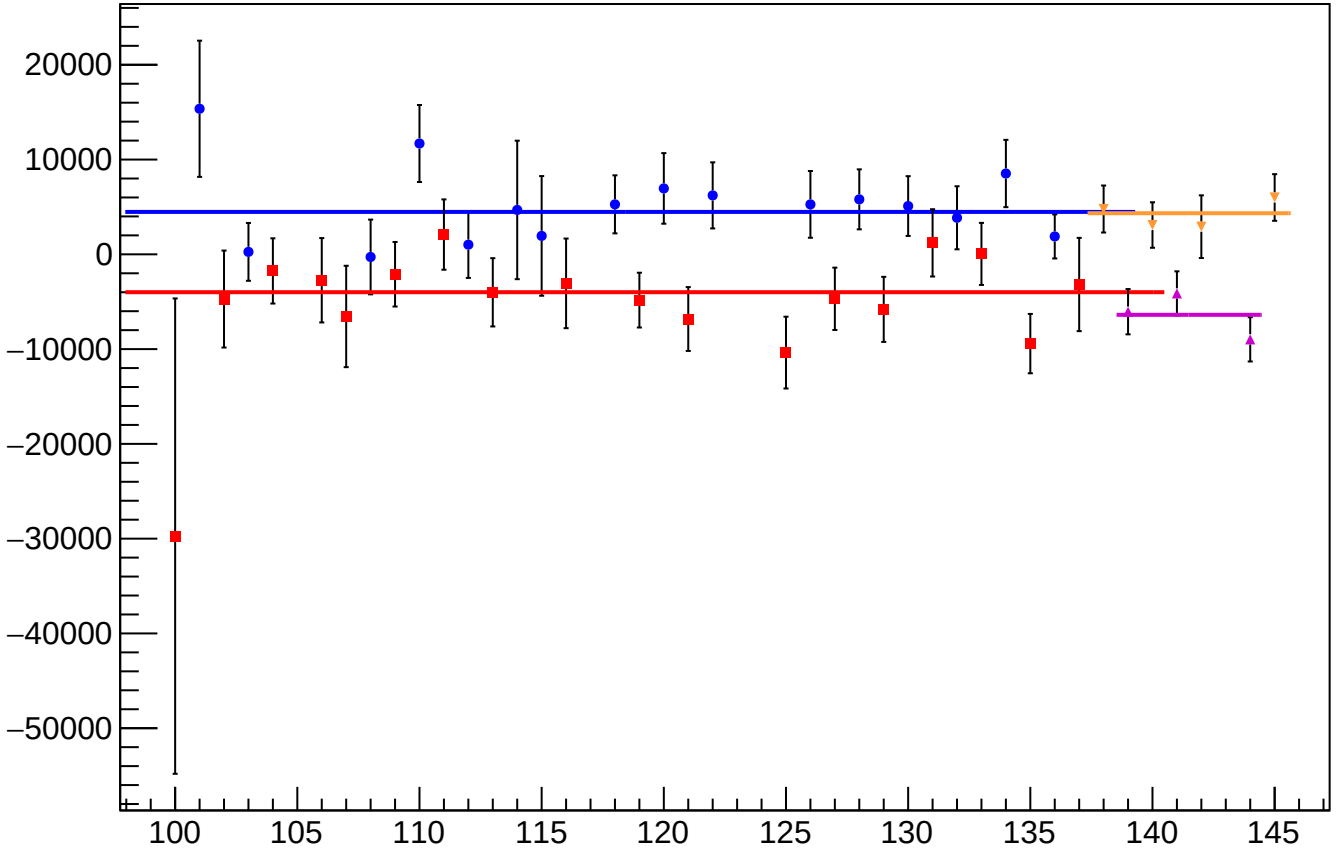
Left In: 2580.610+/-1.139 χ^2/NDF:50496.8/2

+ sign 1855.871+/-0.426 χ^2/NDF: 999874.7/19

All: 1867.005+/-0.307 χ^2/NDF: 2249762.0/40

- sign 1878.965+/-0.442 χ^2/NDF: 1248473.4/20

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

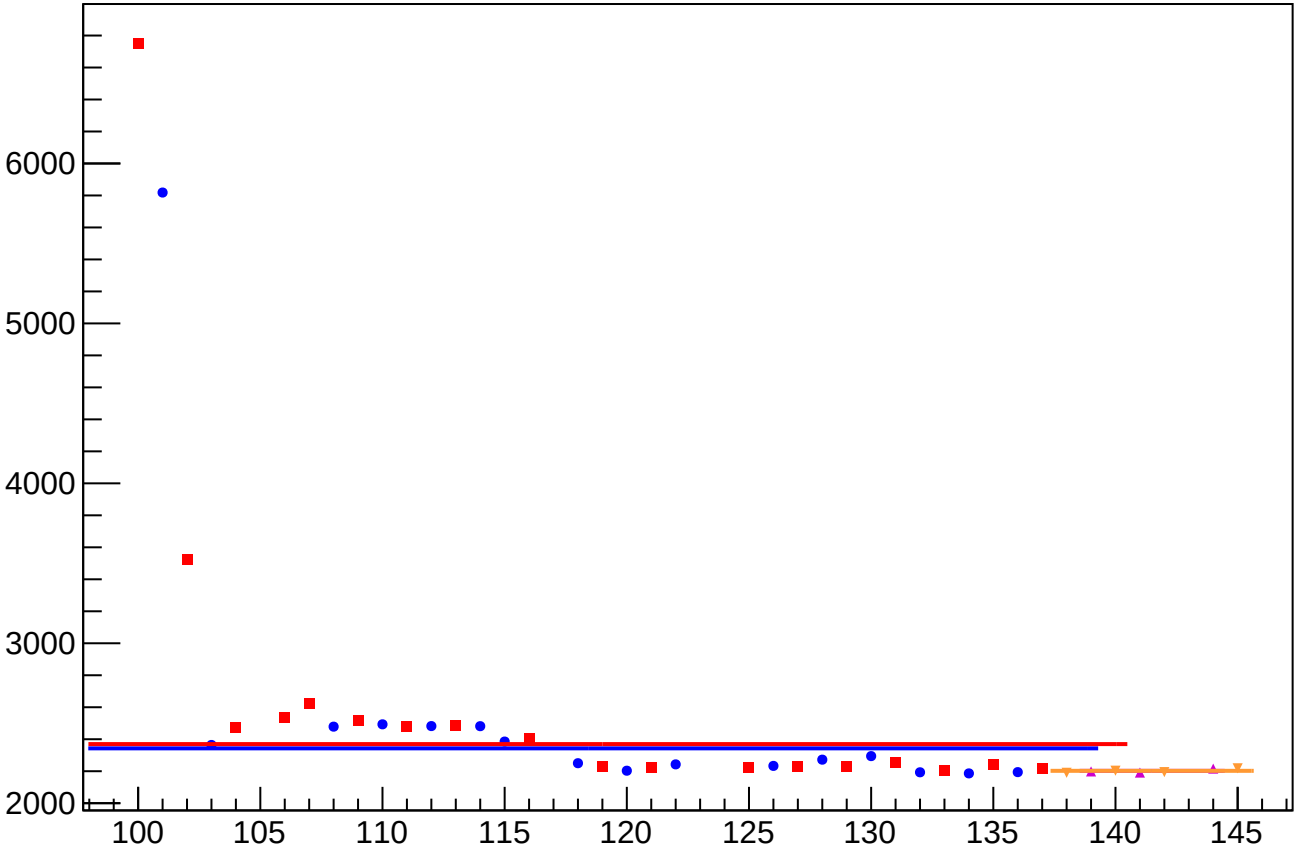
Left In: -6383.218+/-1357.652 χ^2/NDF:2.2/2

+ sign 4432.323+/-731.928 χ^2/NDF: 14.5/19

All: -62.406+/-521.967 χ^2/NDF: 111.1/40

- sign -4713.891+/-744.582 χ^2/NDF: 19.8/20

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

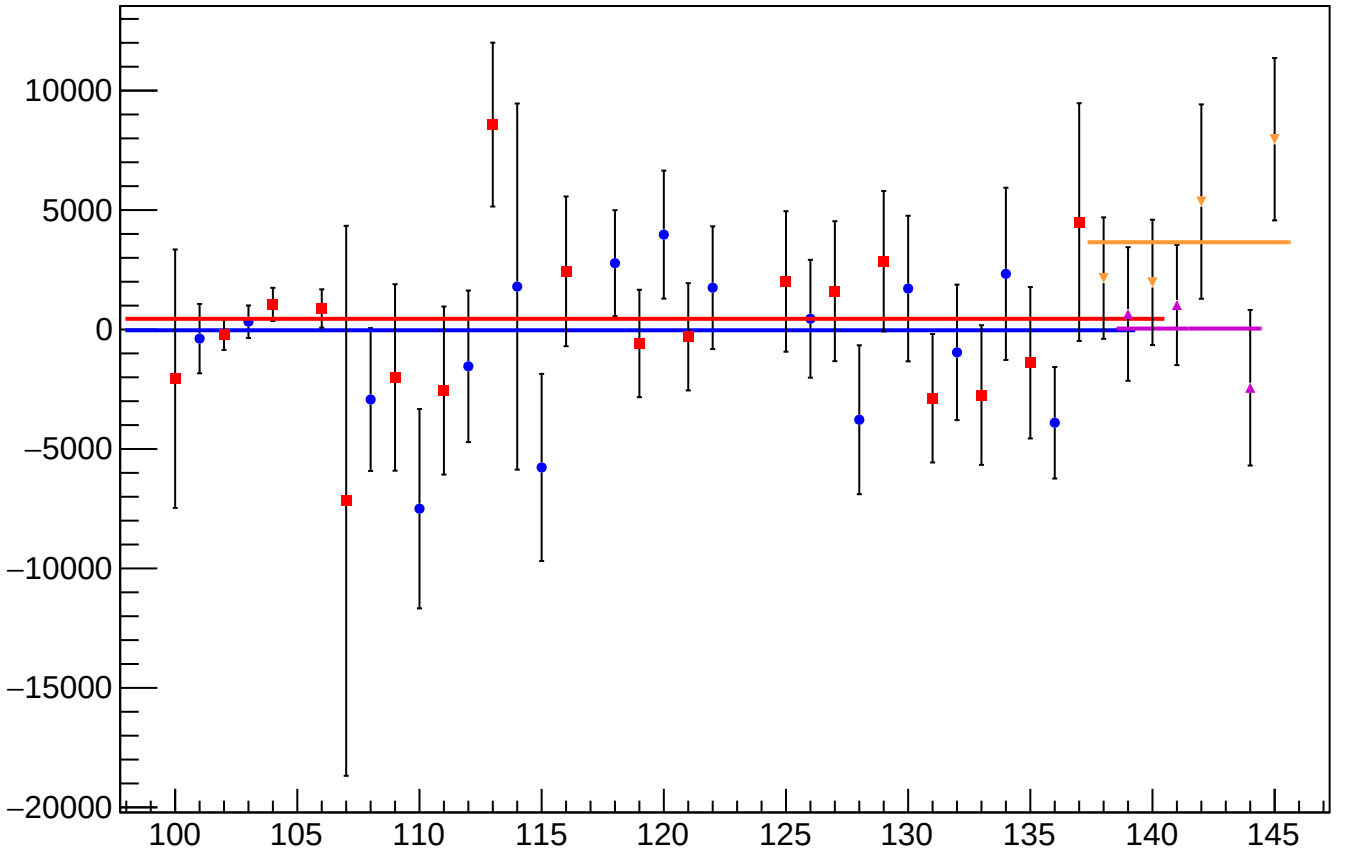
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2202.173+/-0.960 χ^2/NDF:119.2/2

+ sign 2298.282+/-0.518 χ^2/NDF: 518982.6/19

All: 2308.573+/-0.369 χ^2/NDF: 751314.4/40

- sign 2319.222+/-0.526 χ^2/NDF: 231527.2/20



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 3653.242+/-1495.332 χ^2/NDF:2.5/3

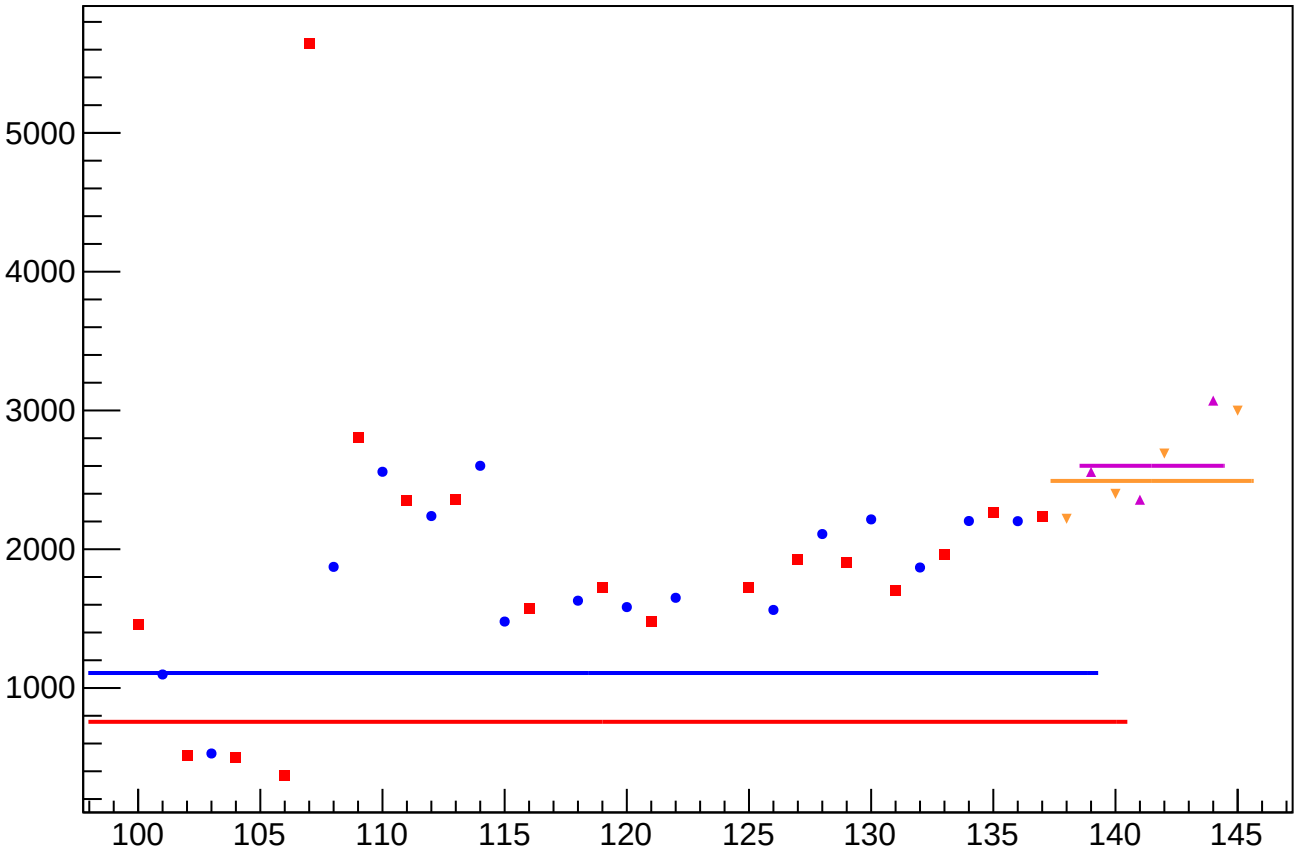
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 39.869+/-1621.418 χ^2/NDF:0.8/2

\+ sign 319.759+/-461.623 χ^2/NDF: 24.4/19

All: 388.454+/-280.827 χ^2/NDF: 40.3/40

\- sign 428.813+/-353.832 χ^2/NDF: 15.9/20



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2492.320+/-1.057 χ^2/NDF:74705.3/3

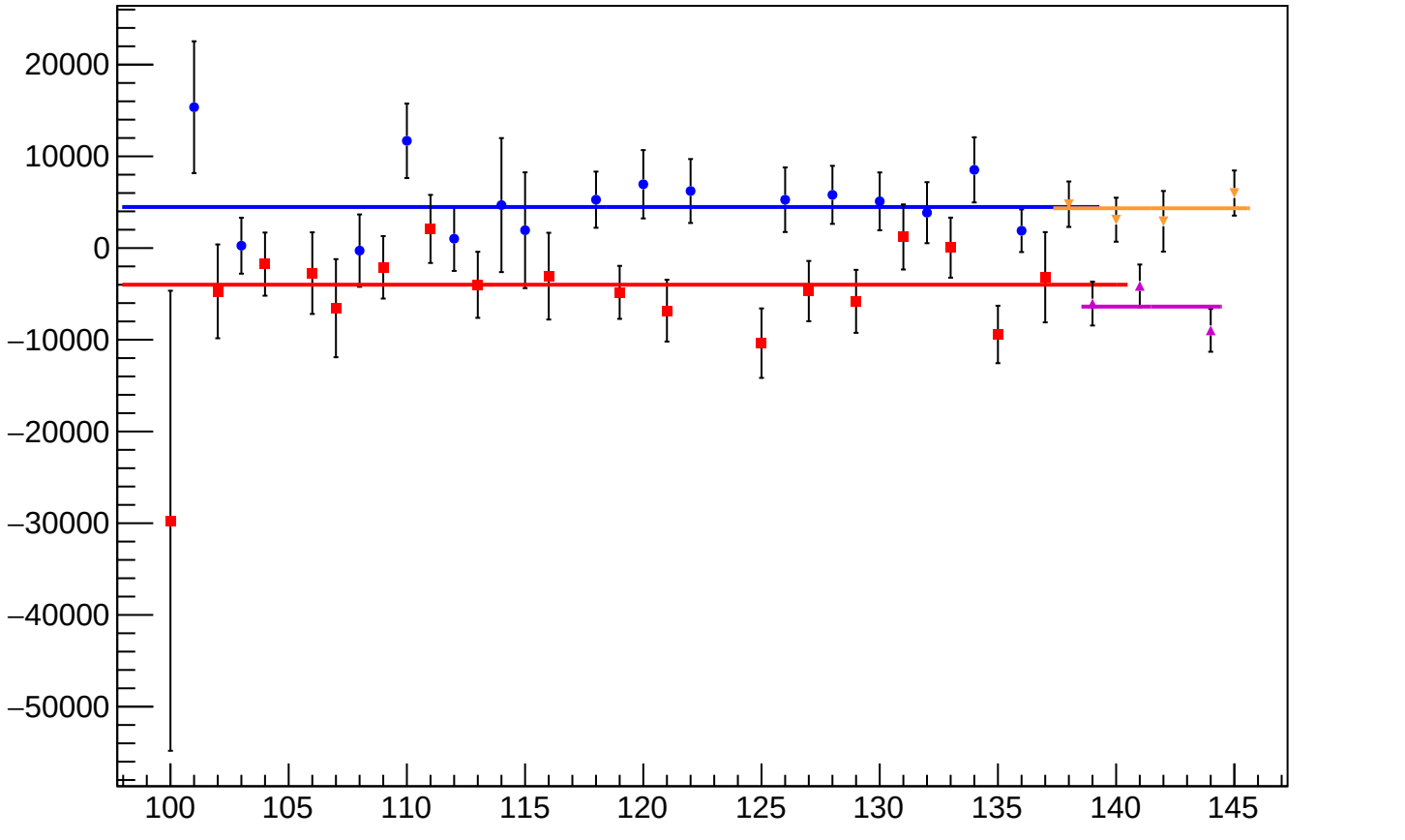
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2601.358+/-1.147 χ^2/NDF:61032.8/2

+ sign 1240.054+/-0.326 χ^2/NDF: 5371584.9/19

All: 990.748+/-0.199 χ^2/NDF: 14428002.6/40

- sign 844.278+/-0.250 χ^2/NDF: 8130363.9/20



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

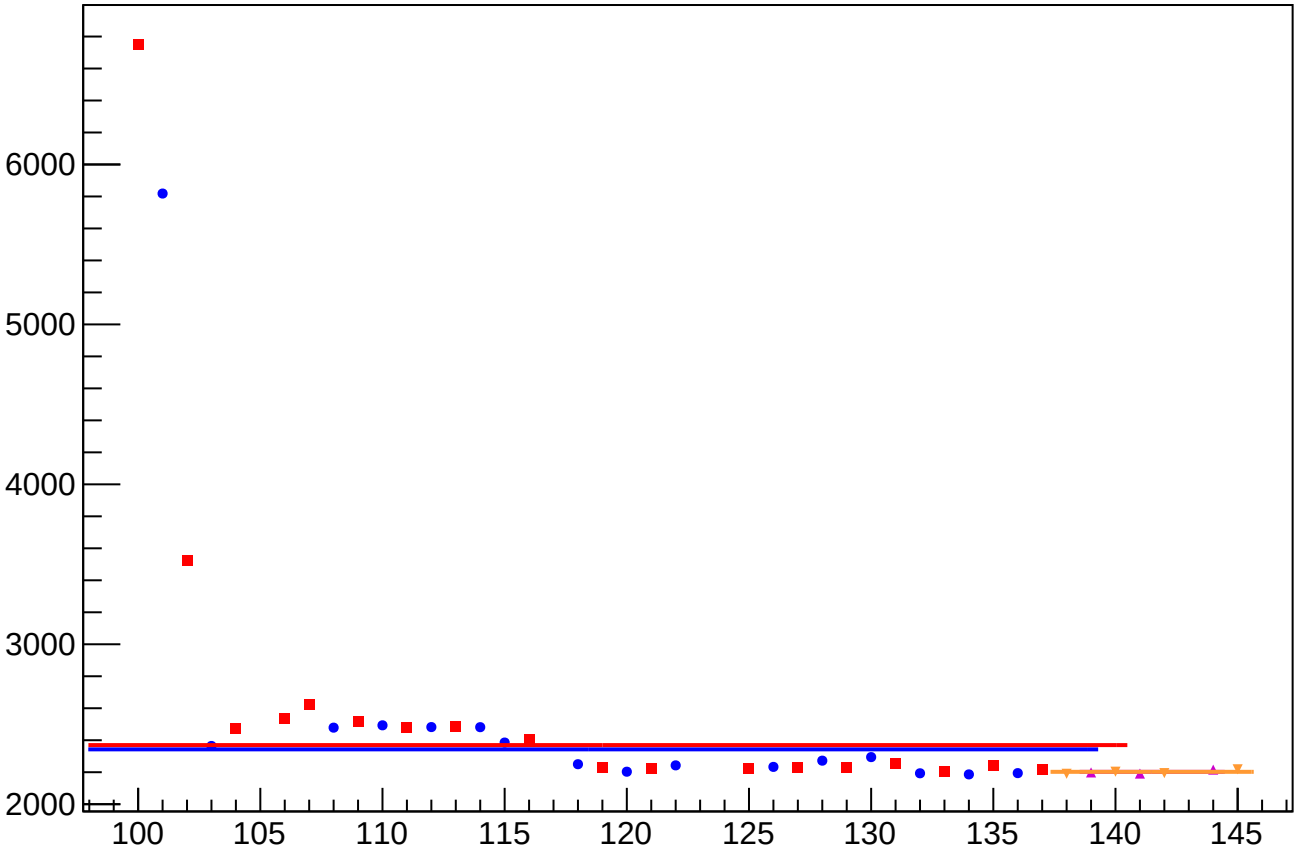
Left In: -6383.217+/-1357.652 χ^2/NDF:2.2/2

\+ sign 4432.323+/-731.928 χ^2/NDF: 14.5/19

All: -62.404+/-521.967 χ^2/NDF: 111.1/40

\- sign -4713.888+/-744.581 χ^2/NDF: 19.8/20

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

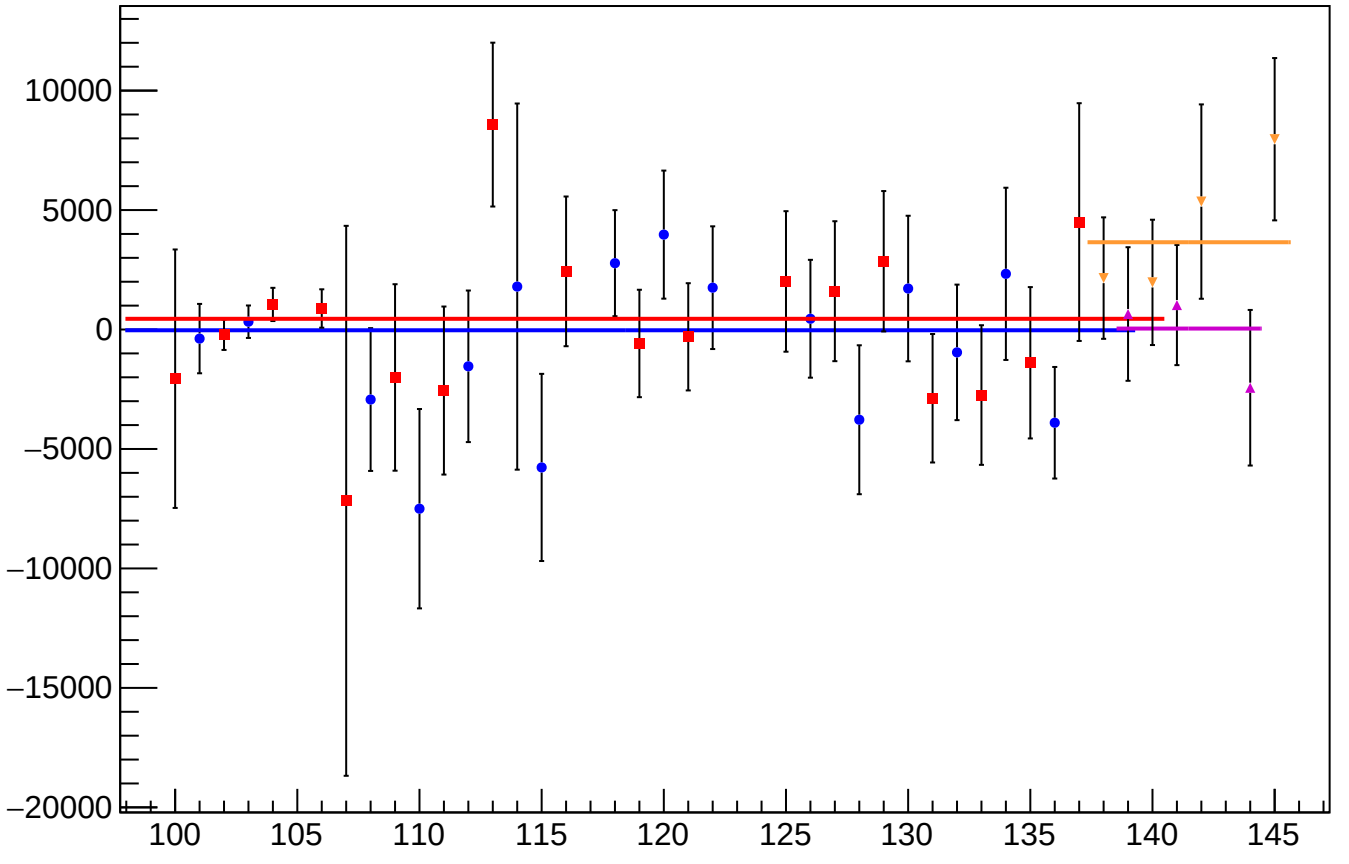
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2202.173+/-0.960 χ^2/NDF:119.2/2

+ sign 2298.282+/-0.518 χ^2/NDF: 518982.6/19

All: 2308.572+/-0.369 χ^2/NDF: 751313.1/40

- sign 2319.222+/-0.526 χ^2/NDF: 231526.0/20



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 3653.249+/-1495.335 χ^2/NDF:2.5/3

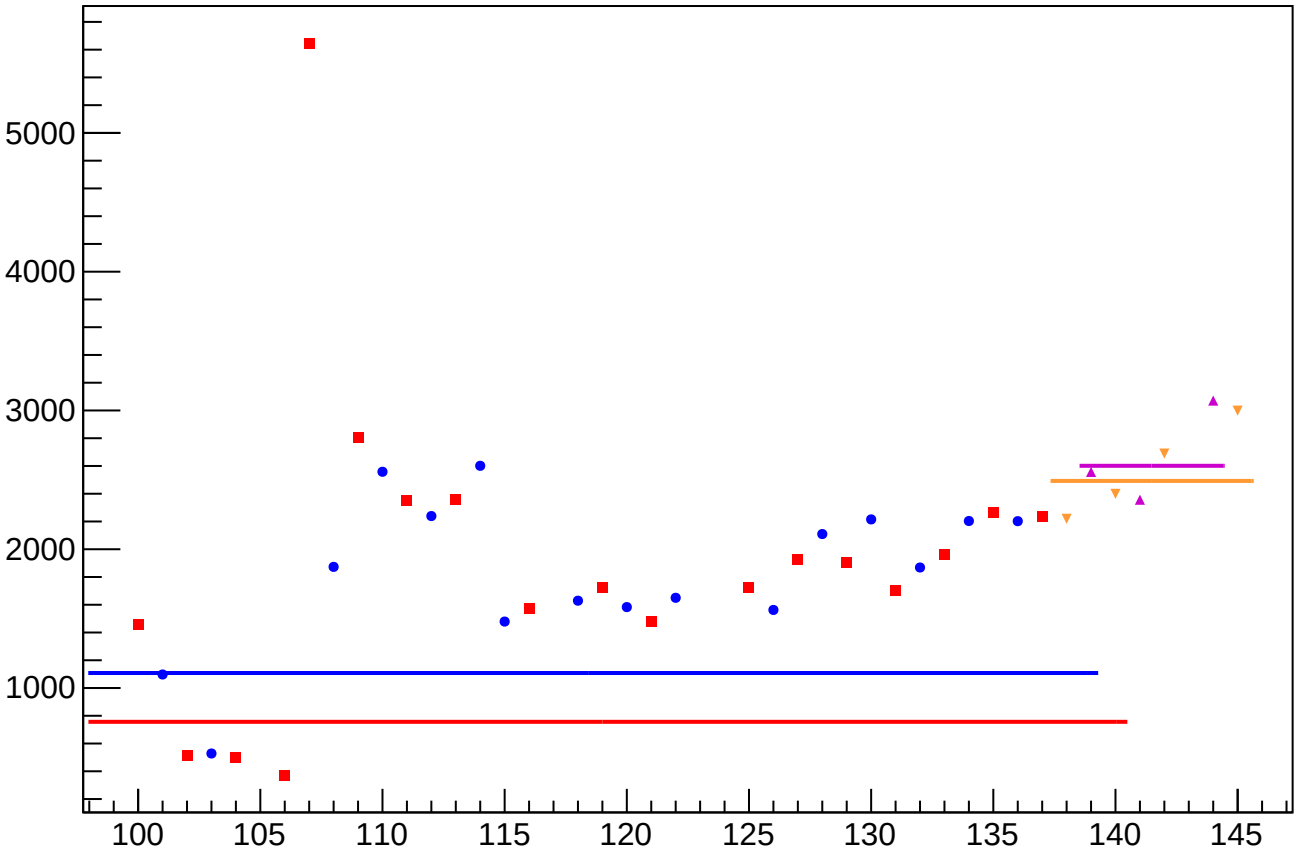
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 39.872+/-1621.421 χ^2/NDF:0.8/2

\+ sign 319.756+/-461.626 χ^2/NDF: 24.4/19

All: 388.454+/-280.829 χ^2/NDF: 40.3/40

\- sign 428.816+/-353.836 χ^2/NDF: 15.9/20



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2492.325+/-1.057 χ^2/NDF:74705.6/3

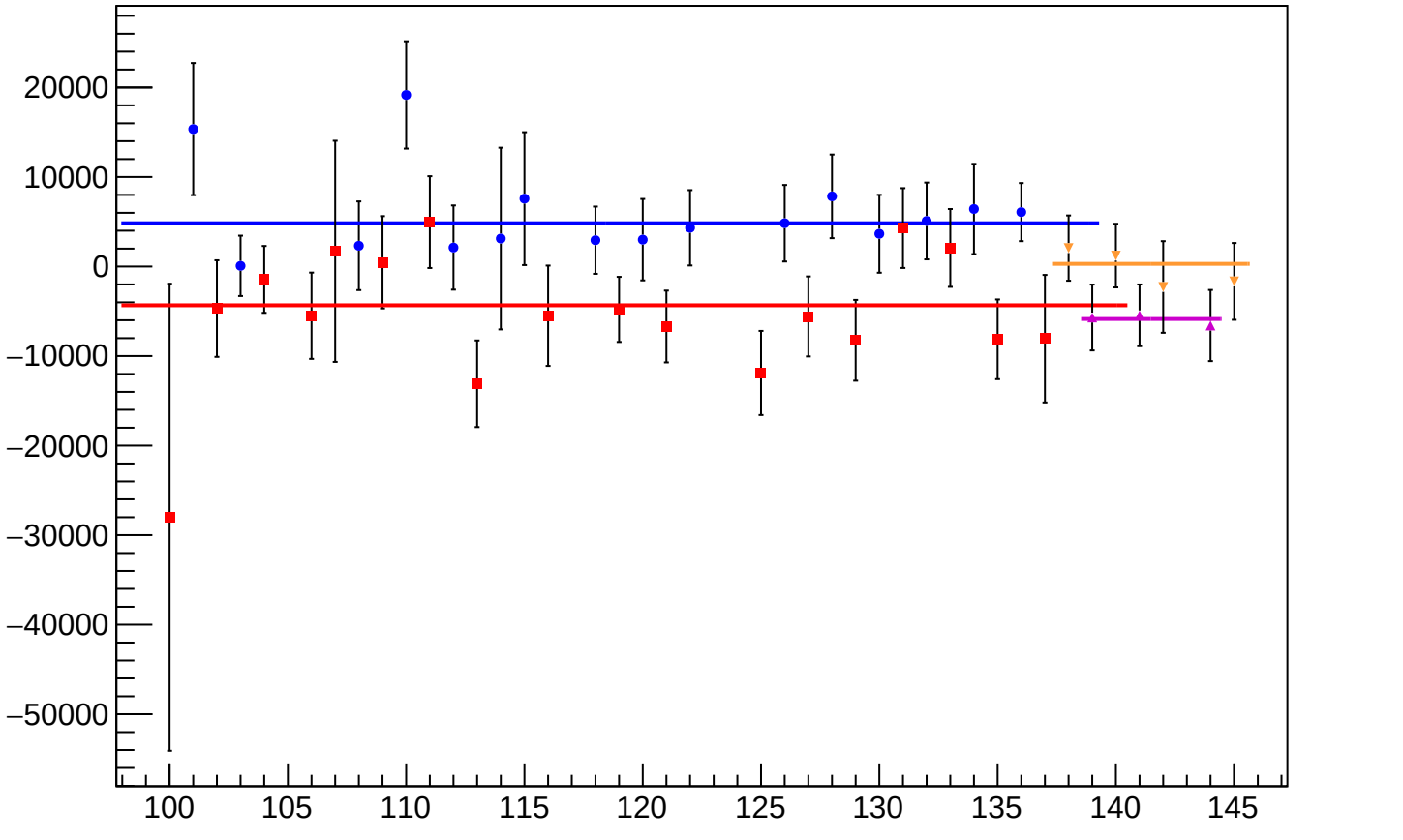
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2601.362+/-1.147 χ^2/NDF:61033.1/2

+ sign 1240.064+/-0.326 χ^2/NDF: 5371491.1/19

All: 990.764+/-0.199 χ^2/NDF: 14427707.1/40

- sign 844.294+/-0.250 χ^2/NDF: 8130206.3/20



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

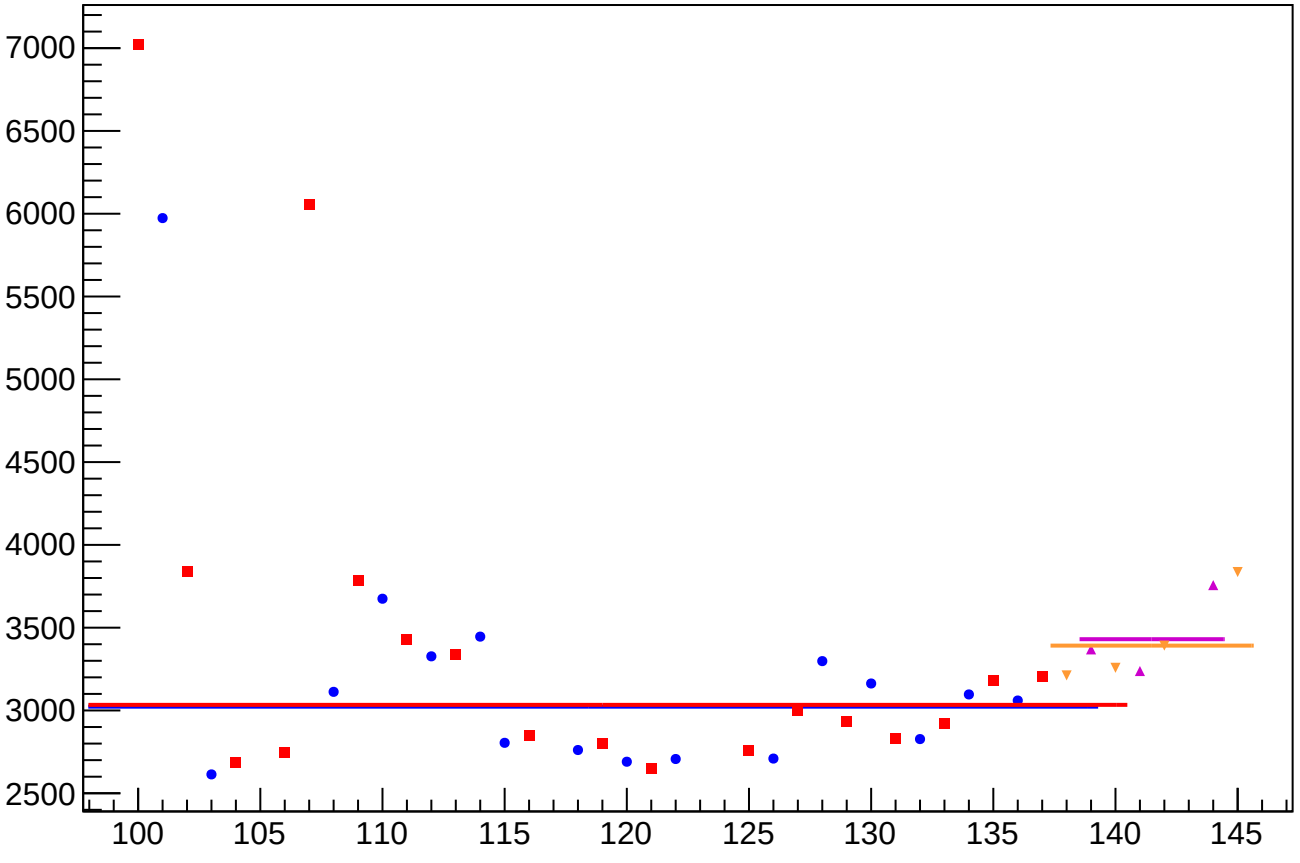
Left In: -5858.466+/-2125.124 χ^2/NDF:0.0/2

+ sign 3727.925+/-993.506 χ^2/NDF: 16.3/19

All: -412.804+/-707.476 χ^2/NDF: 71.9/40

- sign -4672.583+/-1007.687 χ^2/NDF: 20.4/20

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

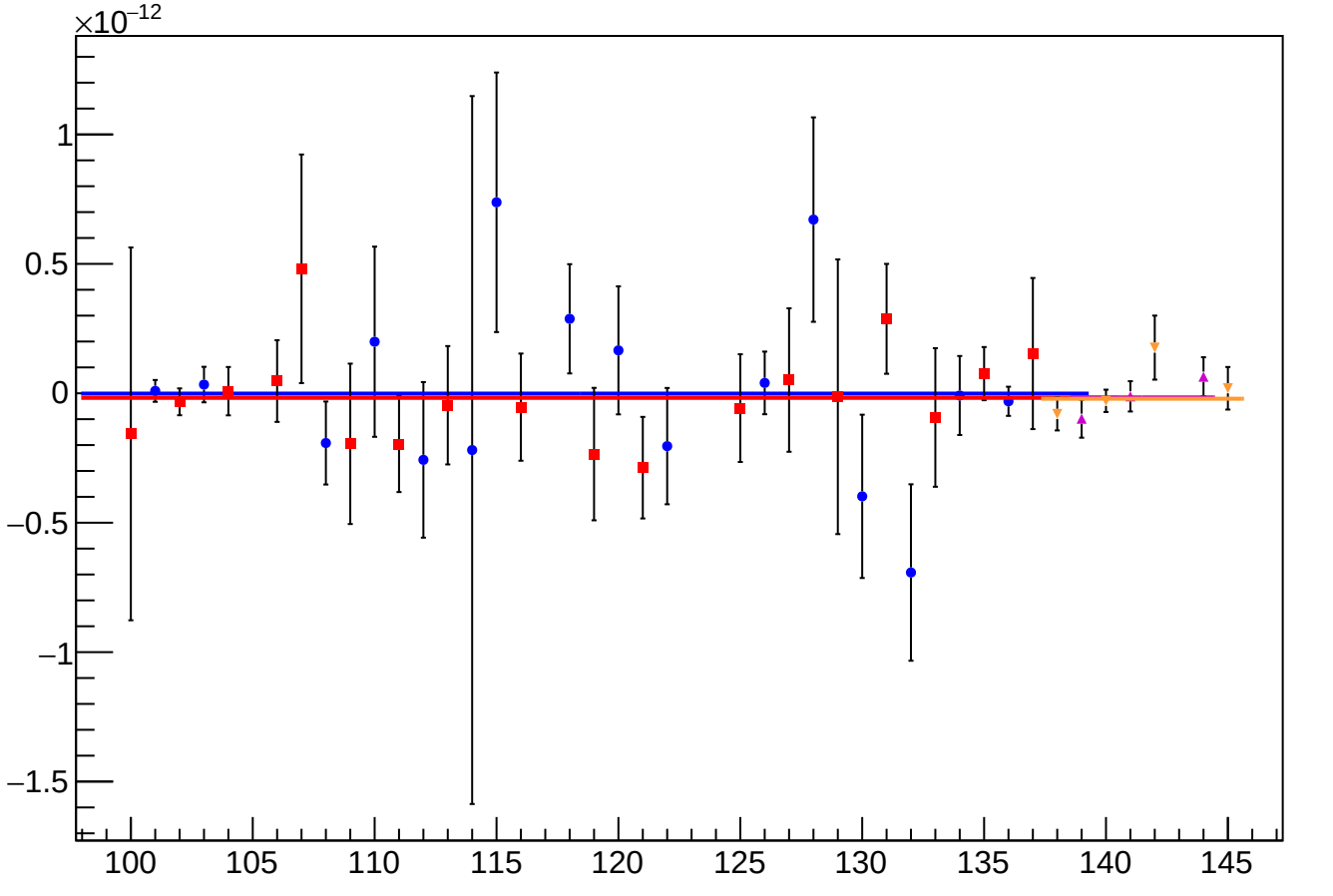
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3430.415+/-1.503 χ^2/NDF:20297.0/2

+ sign 3112.962+/-0.703 χ^2/NDF: 523669.5/19

All: 3117.924+/-0.500 χ^2/NDF: 940723.2/40

- sign 3123.029+/-0.713 χ^2/NDF: 416952.5/20



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.7/3

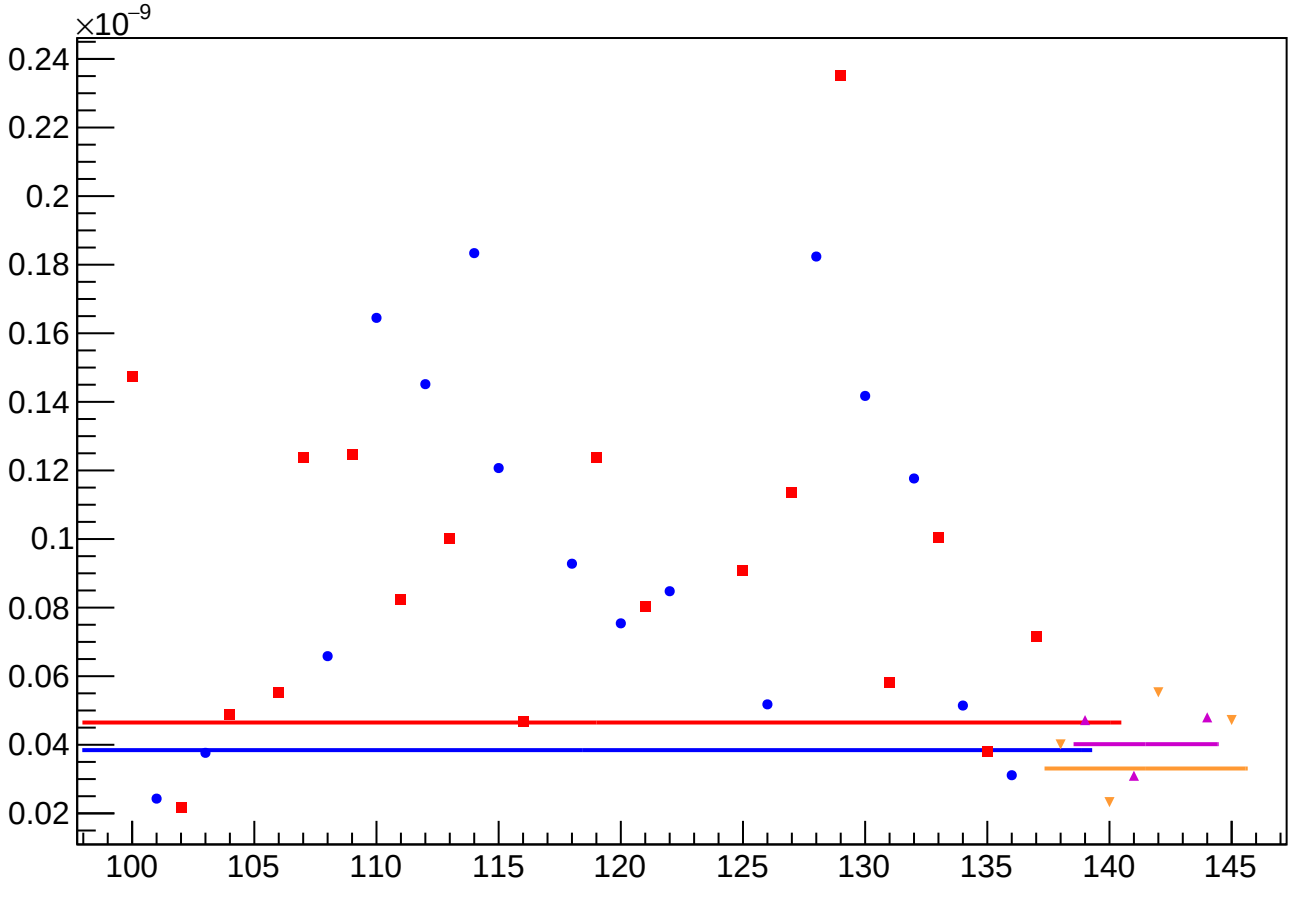
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:2.4/2

\+ sign -0.000+/-0.000 χ^2/NDF: 21.0/19

All: -0.000+/-0.000 χ^2/NDF: 32.4/40

\- sign -0.000+/-0.000 χ^2/NDF: 11.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:251300.2/3

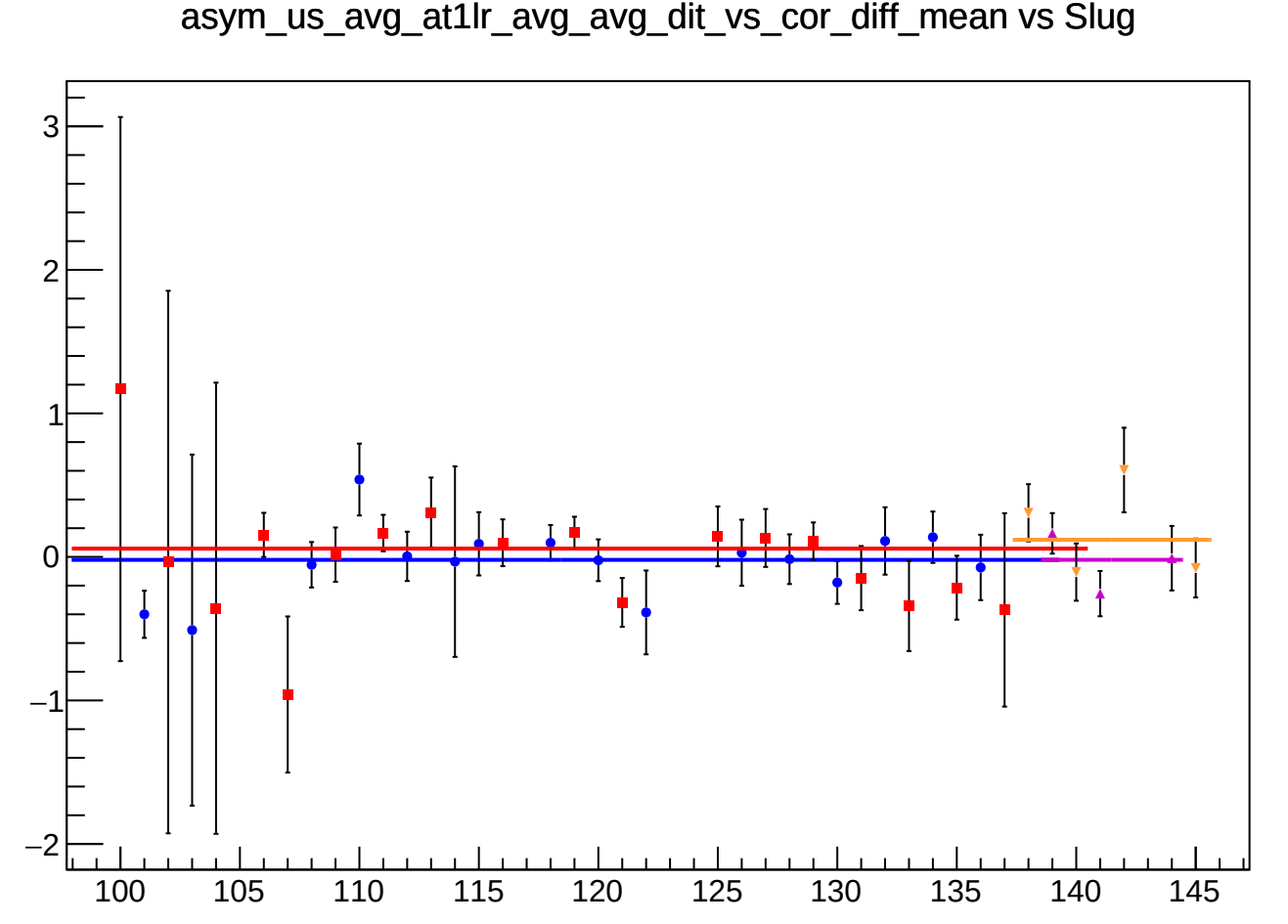
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:89553.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 2055616.2/19

All: 0.000+/-0.000 χ^2/NDF: 3976017.0/40

- sign 0.000+/-0.000 χ^2/NDF: 1816033.8/20



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.120+/-0.108 χ^2/NDF:5.8/3

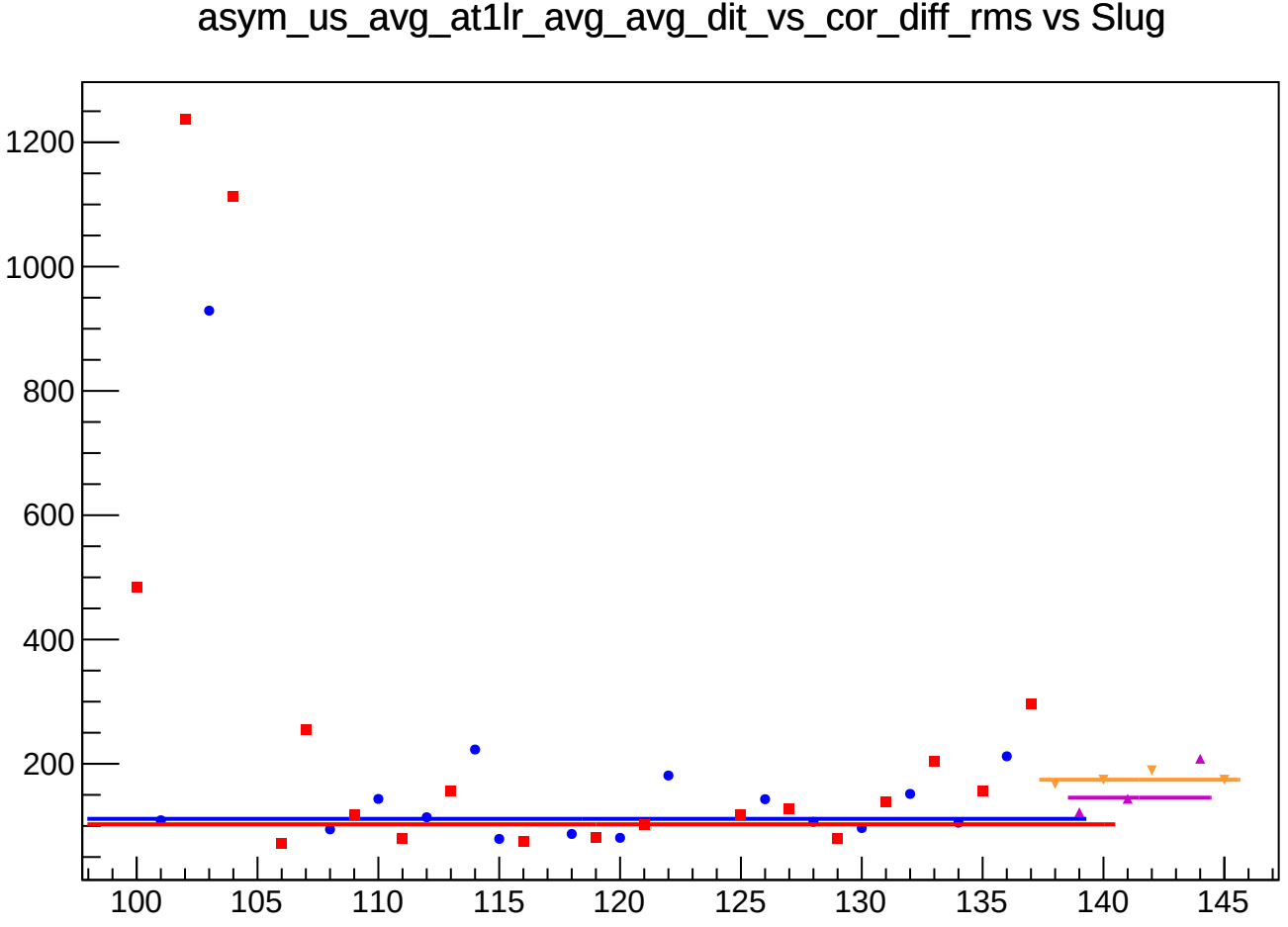
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.020+/-0.095 χ^2/NDF:3.9/2

\+ sign 0.002+/-0.044 χ^2/NDF: 22.8/19

All: 0.024+/-0.030 χ^2/NDF: 44.6/40

\- sign 0.043+/-0.042 χ^2/NDF: 21.3/20



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 174.367+/-0.076 χ^2/NDF:7643.1/3

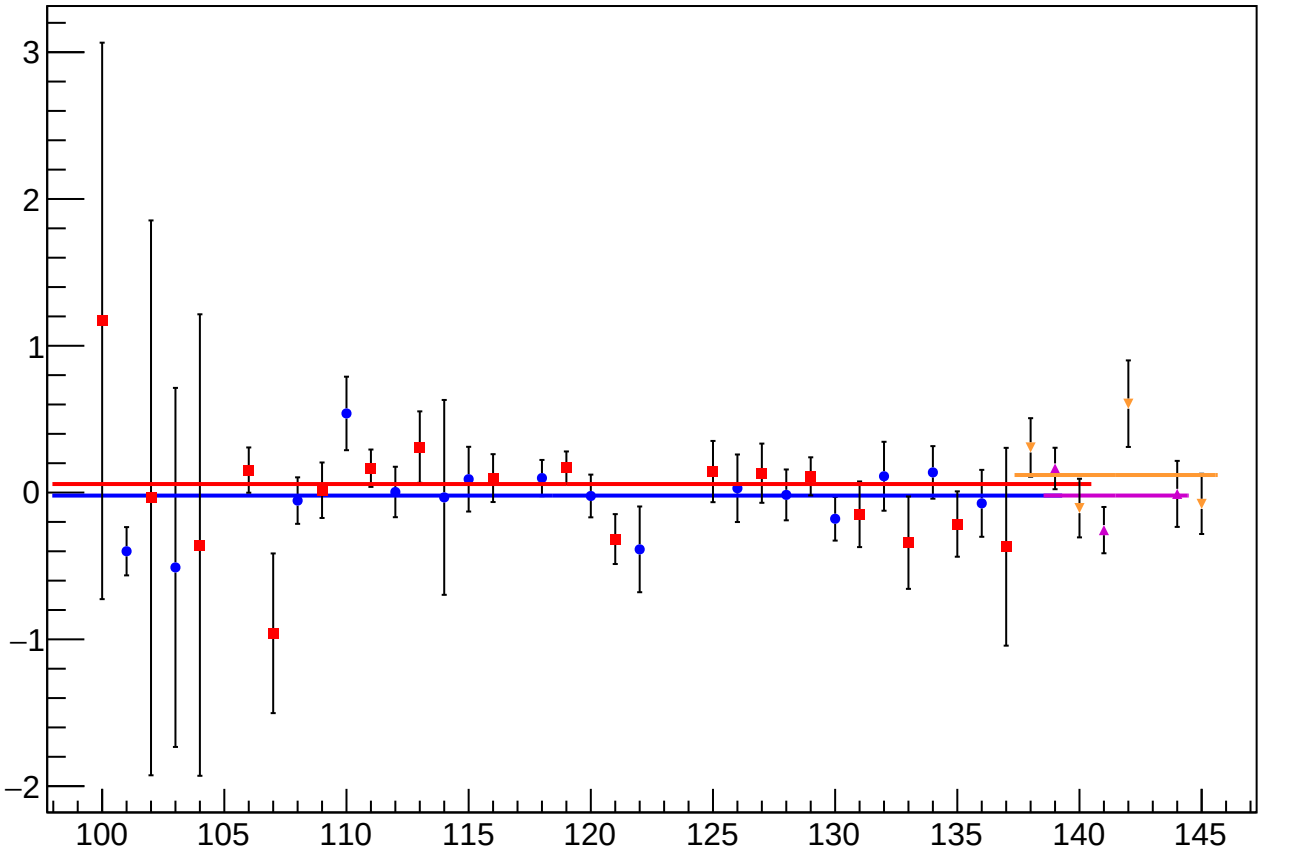
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 145.450+/-0.067 χ^2/NDF:211088.9/2

+ sign 121.631+/-0.031 χ^2/NDF: 2414568.2/19

All: 116.017+/-0.021 χ^2/NDF: 5841925.8/40

- sign 110.874+/-0.029 χ^2/NDF: 3363782.0/20



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.120+/-0.108 χ^2/NDF:5.8/3

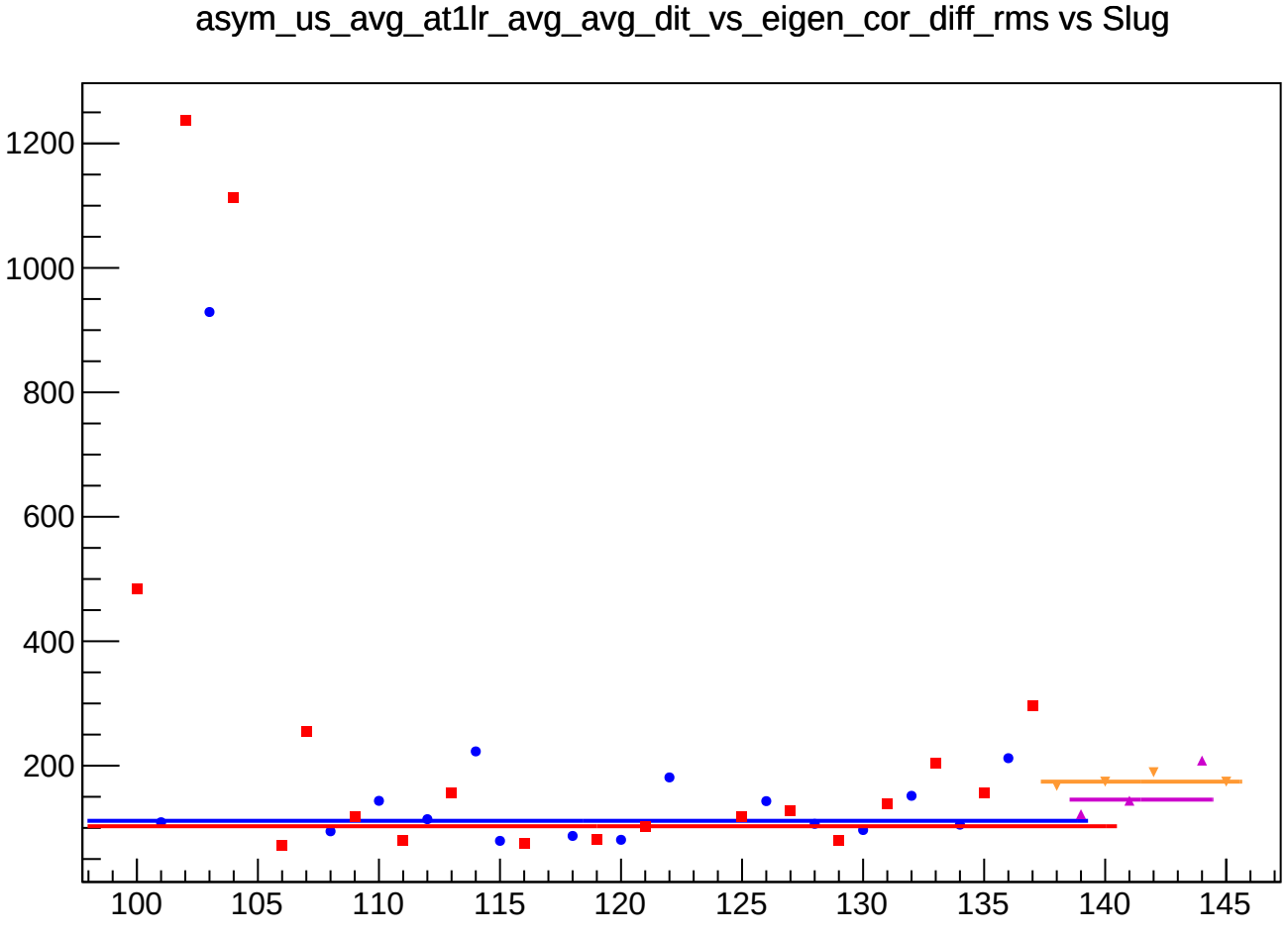
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.020+/-0.095 χ^2/NDF:3.9/2

+ sign 0.002+/-0.044 χ^2/NDF: 22.8/19

All: 0.024+/-0.030 χ^2/NDF: 44.6/40

- sign 0.043+/-0.042 χ^2/NDF: 21.3/20



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 174.367+/-0.076 χ^2/NDF:7643.1/3

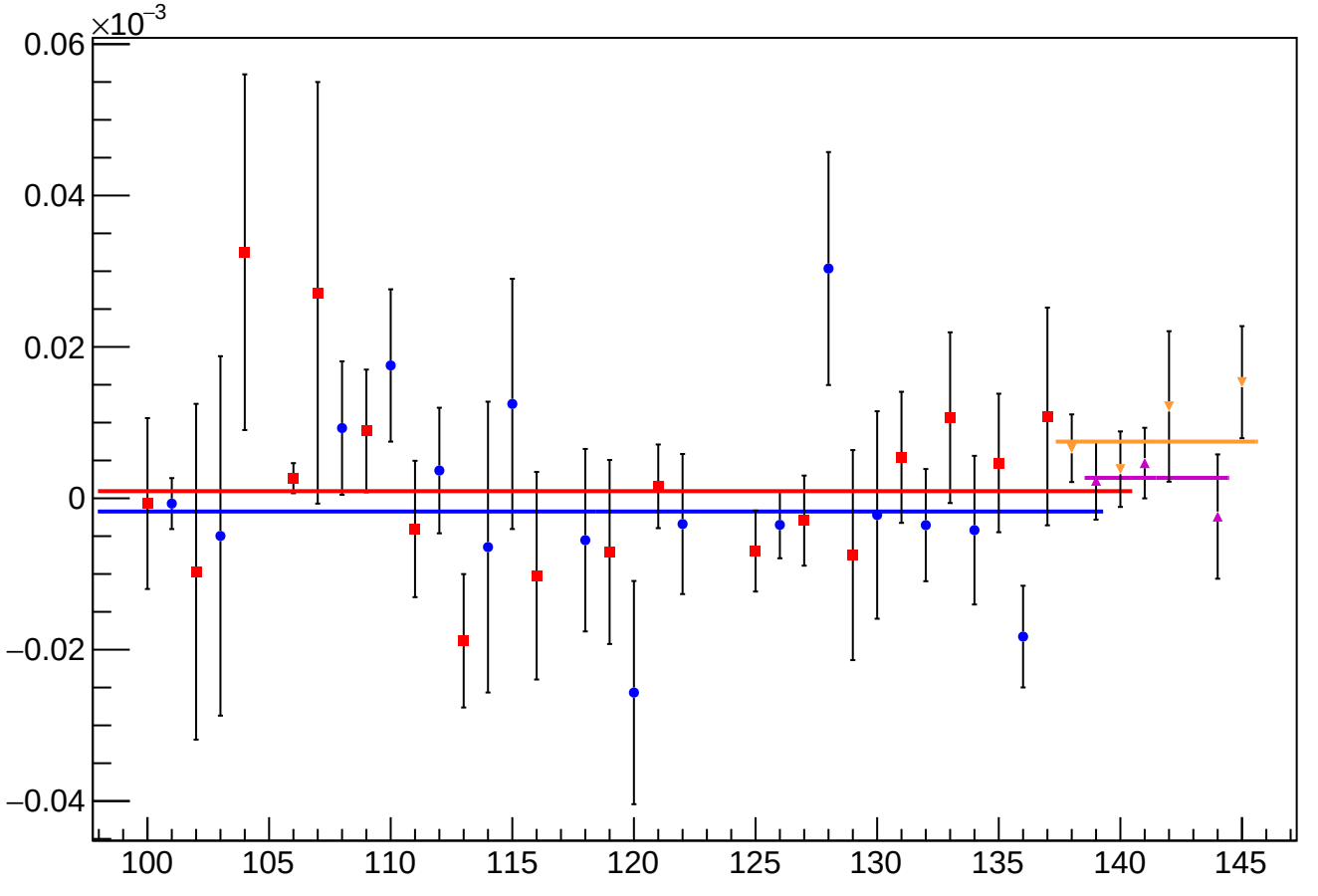
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 145.450+/-0.067 χ^2/NDF:211088.9/2

+ sign 121.631+/-0.031 χ^2/NDF: 2414568.2/19

All: 116.017+/-0.021 χ^2/NDF: 5841925.8/40

- sign 110.874+/-0.029 χ^2/NDF: 3363782.0/20



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/3

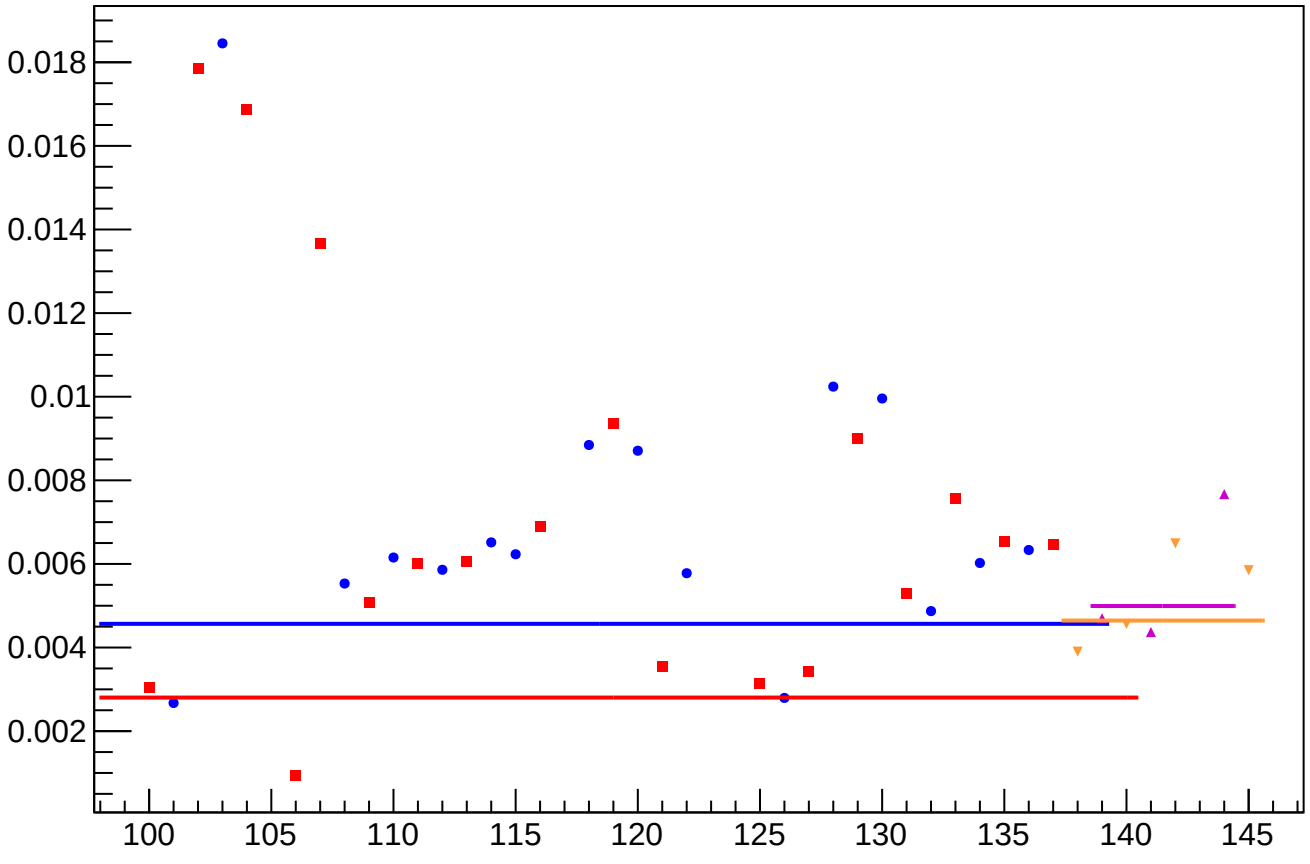
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/19

All: 0.000+/-0.000 χ^2/NDF: 45.5/40

- sign 0.000+/-0.000 χ^2/NDF: 16.6/20



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:177985.3/3

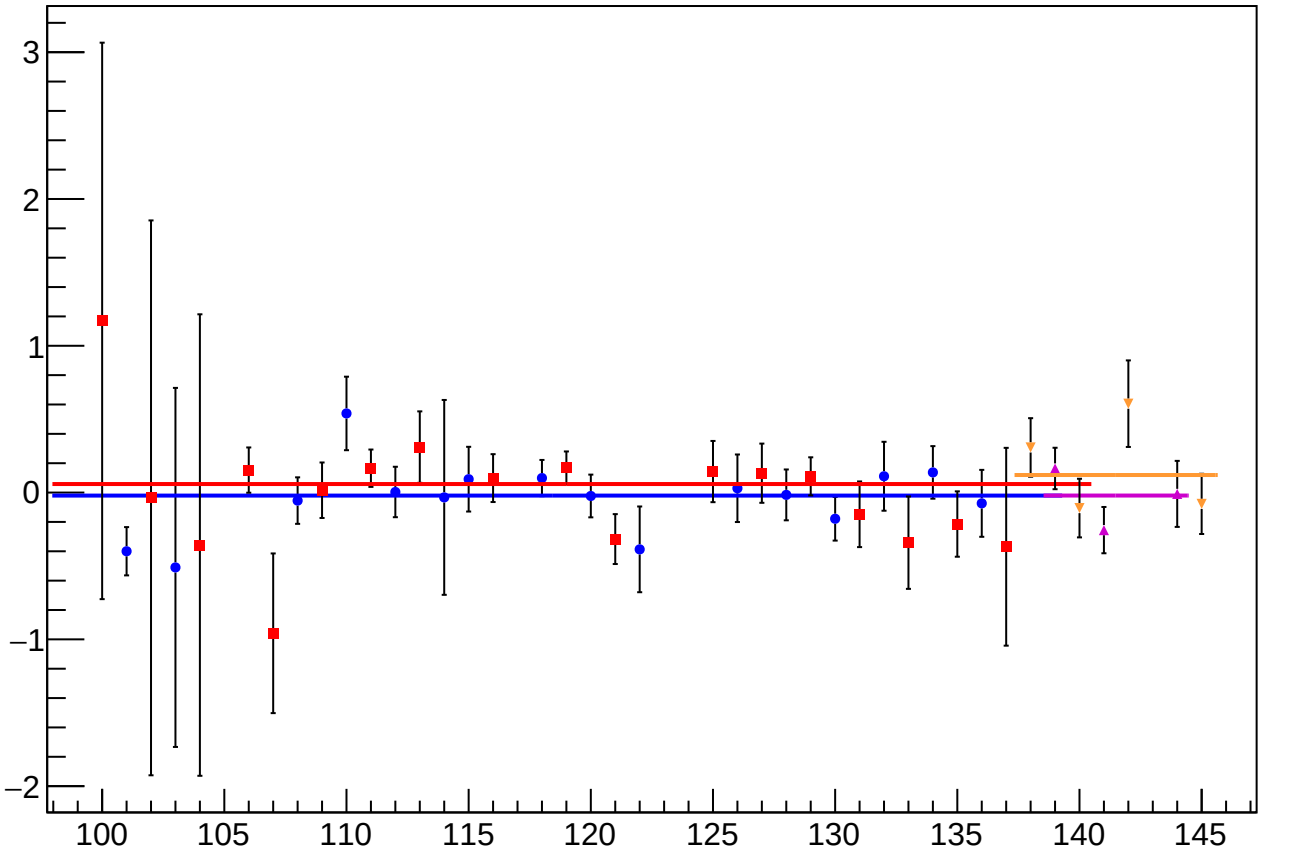
Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.005+/-0.000 χ^2/NDF:254599.8/2

+ sign 0.005+/-0.000 χ^2/NDF: 3191271.7/19

All: 0.004+/-0.000 χ^2/NDF: 11728569.2/40

- sign 0.003+/-0.000 χ^2/NDF: 7643781.8/20



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.120+/-0.108 χ^2/NDF:5.8/3

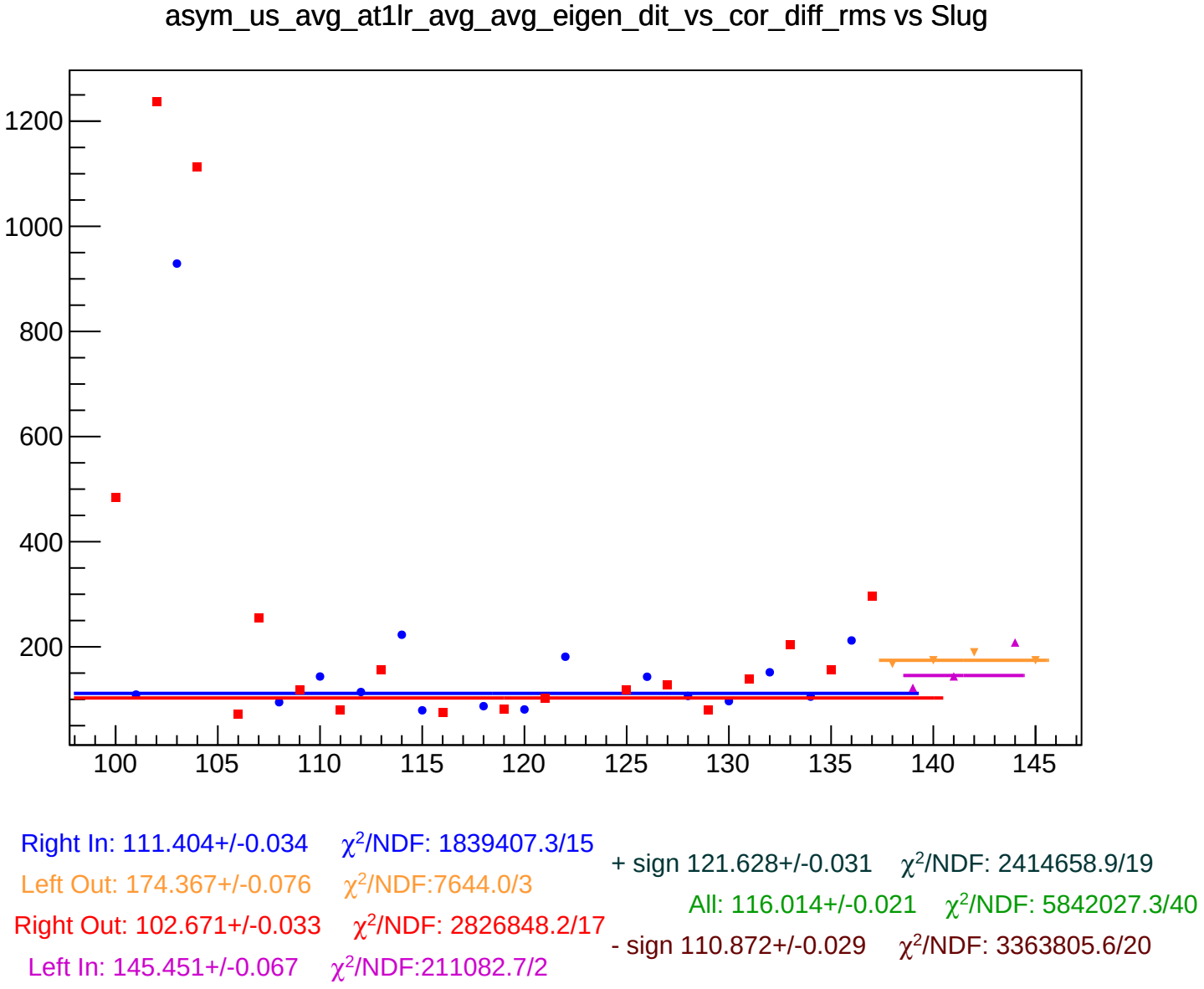
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.020+/-0.095 χ^2/NDF:3.9/2

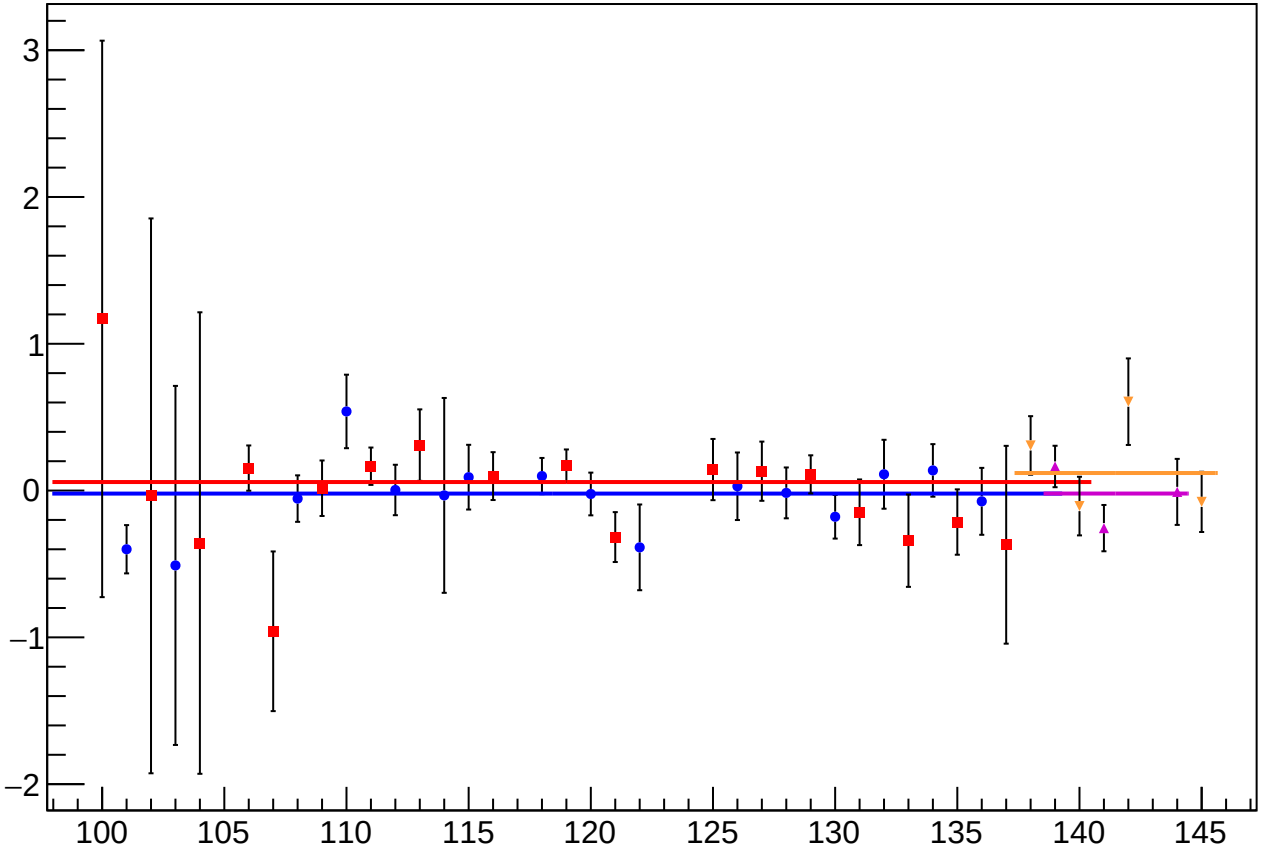
+ sign 0.002+/-0.044 χ^2/NDF: 22.8/19

All: 0.024+/-0.030 χ^2/NDF: 44.6/40

- sign 0.043+/-0.042 χ^2/NDF: 21.3/20


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
105
110
115
120
125
130
135
140
145
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 174.367+/-0.076 χ²/NDF:7644.0/3
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 145.451+/-0.067 χ²/NDF:211082.7/2
+ sign 121.628+/-0.031 χ²/NDF: 2414658.9/19
All: 116.014+/-0.021 χ²/NDF: 5842027.3/40
- sign 110.872+/-0.029 χ²/NDF: 3363805.6/20

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

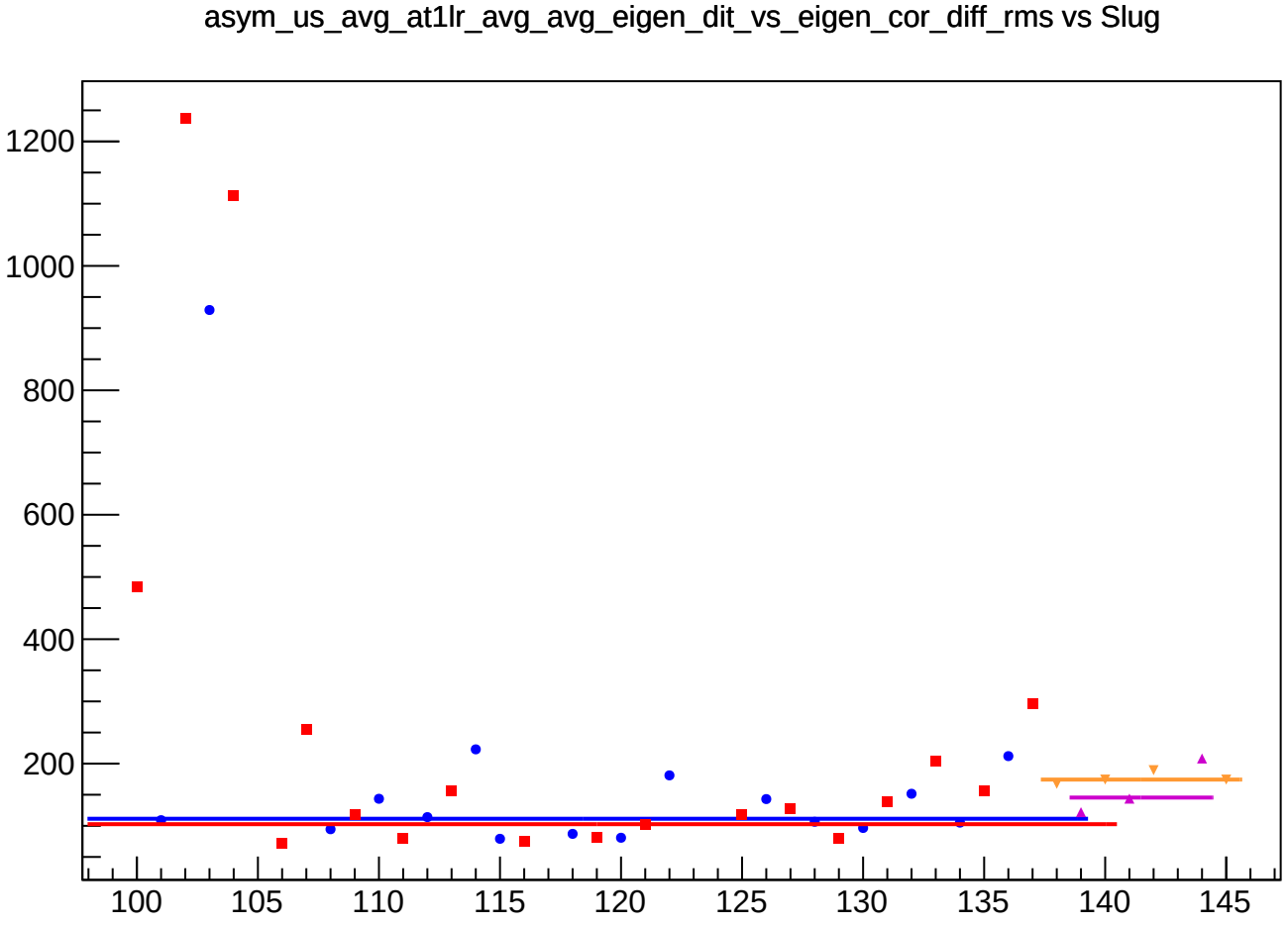
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.020+/-0.095 χ^2/NDF:3.9/2

+ sign 0.002+/-0.044 χ^2/NDF: 22.8/19

All: 0.024+/-0.030 χ^2/NDF: 44.6/40

- sign 0.043+/-0.042 χ^2/NDF: 21.3/20



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 174.367+/-0.076 χ^2/NDF:7644.0/3

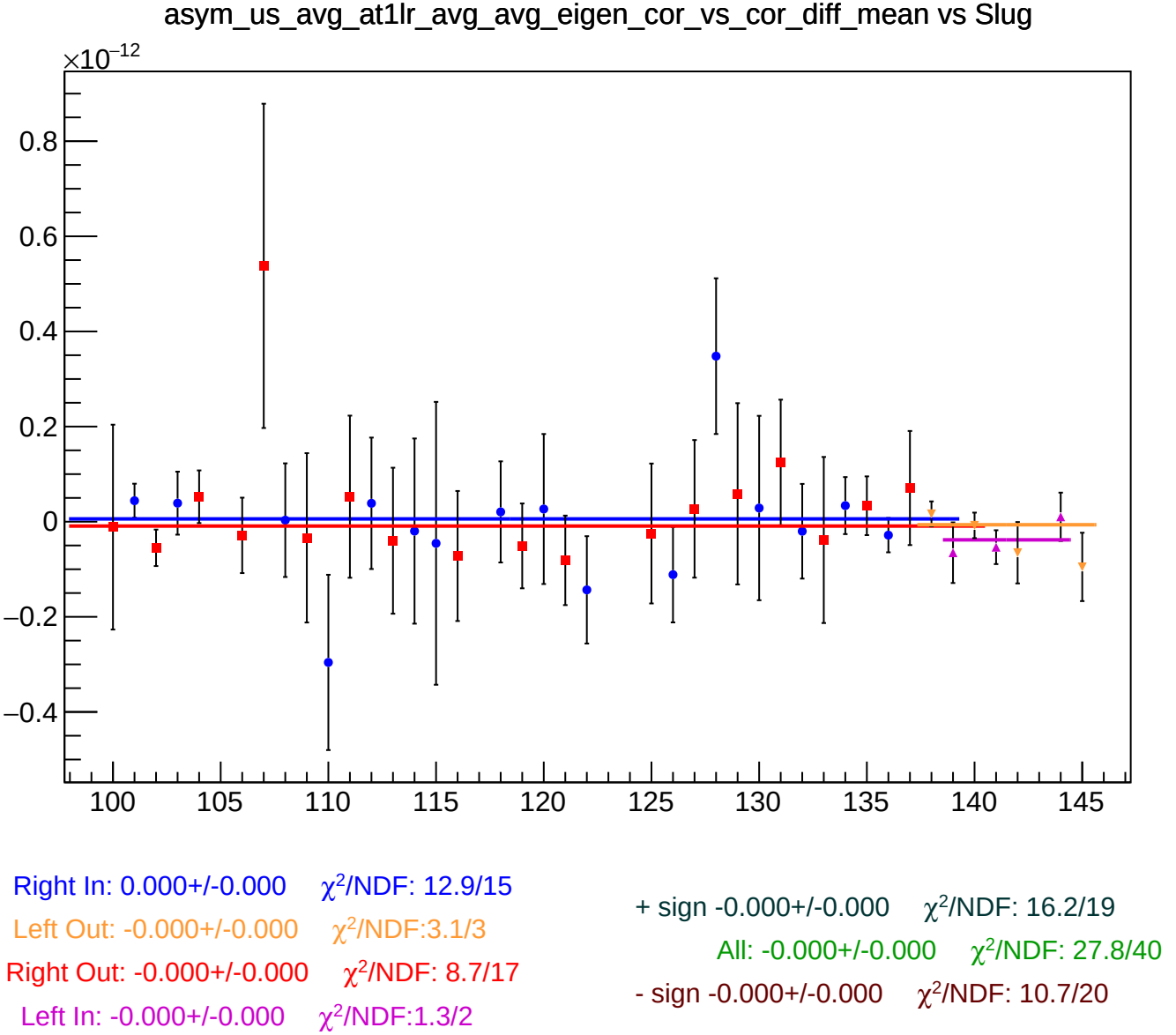
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

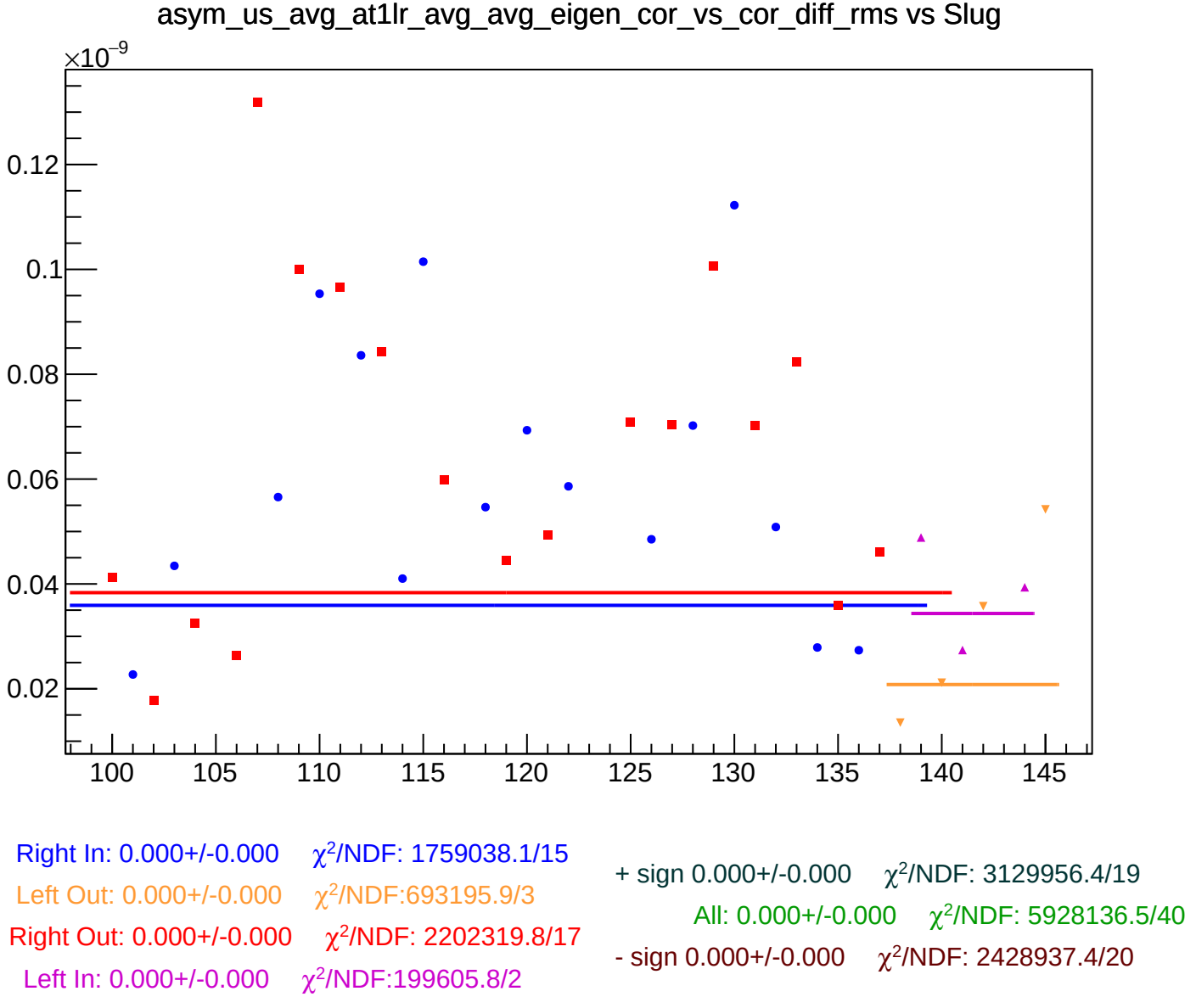
Left In: 145.451+/-0.067 χ^2/NDF:211082.7/2

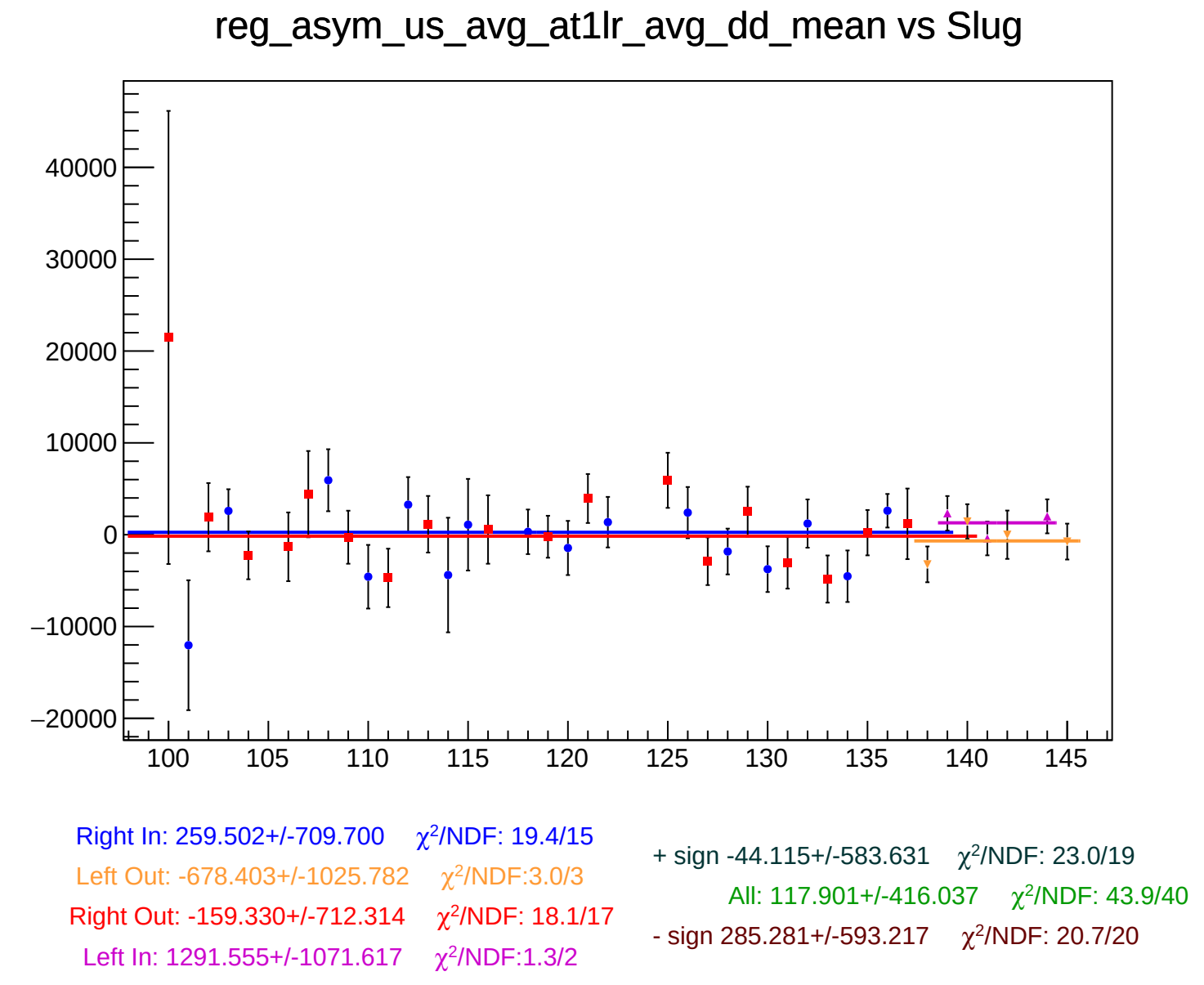
+ sign 121.628+/-0.031 χ^2/NDF: 2414658.9/19

All: 116.014+/-0.021 χ^2/NDF: 5842027.3/40

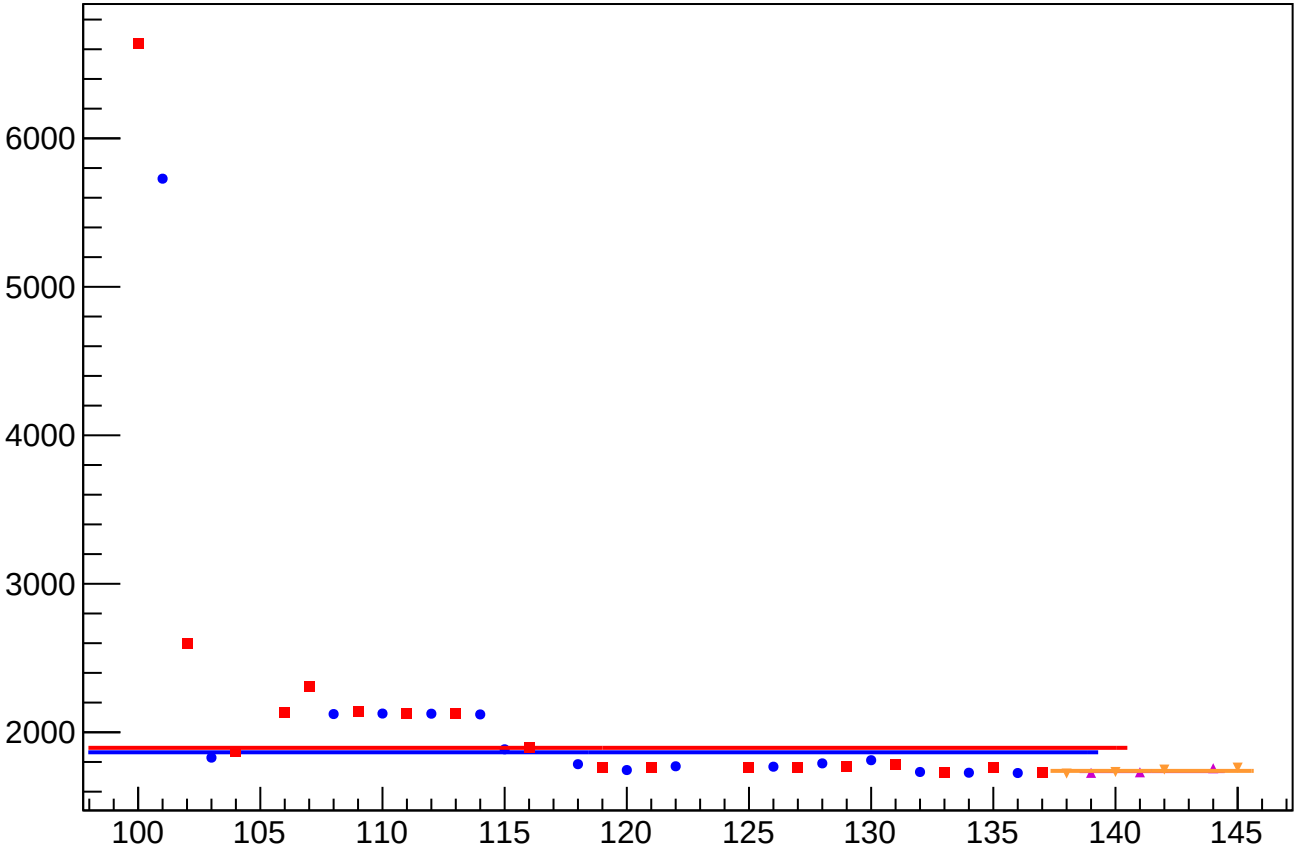
- sign 110.872+/-0.029 χ^2/NDF: 3363805.6/20


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:3.1/3
Right Out: -0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:1.3/2
+ sign -0.000+/-0.000 χ²/NDF: 16.2/19
All: -0.000+/-0.000 χ²/NDF: 27.8/40
- sign -0.000+/-0.000 χ²/NDF: 10.7/20


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
105
110
115
120
125
130
135
140
145
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:199605.8/2
+ sign 0.000+/-0.000 χ²/NDF: 3129956.4/19
All: 0.000+/-0.000 χ²/NDF: 5928136.5/40
- sign 0.000+/-0.000 χ²/NDF: 2428937.4/20


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: 259.502+/-709.700 χ²/NDF: 19.4/15
Left Out: -678.403+/-1025.782 χ²/NDF:3.0/3
Right Out: -159.330+/-712.314 χ²/NDF: 18.1/17
Left In: 1291.555+/-1071.617 χ²/NDF:1.3/2
+ sign -44.115+/-583.631 χ²/NDF: 23.0/19
All: 117.901+/-416.037 χ²/NDF: 43.9/40
- sign 285.281+/-593.217 χ²/NDF: 20.7/20

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

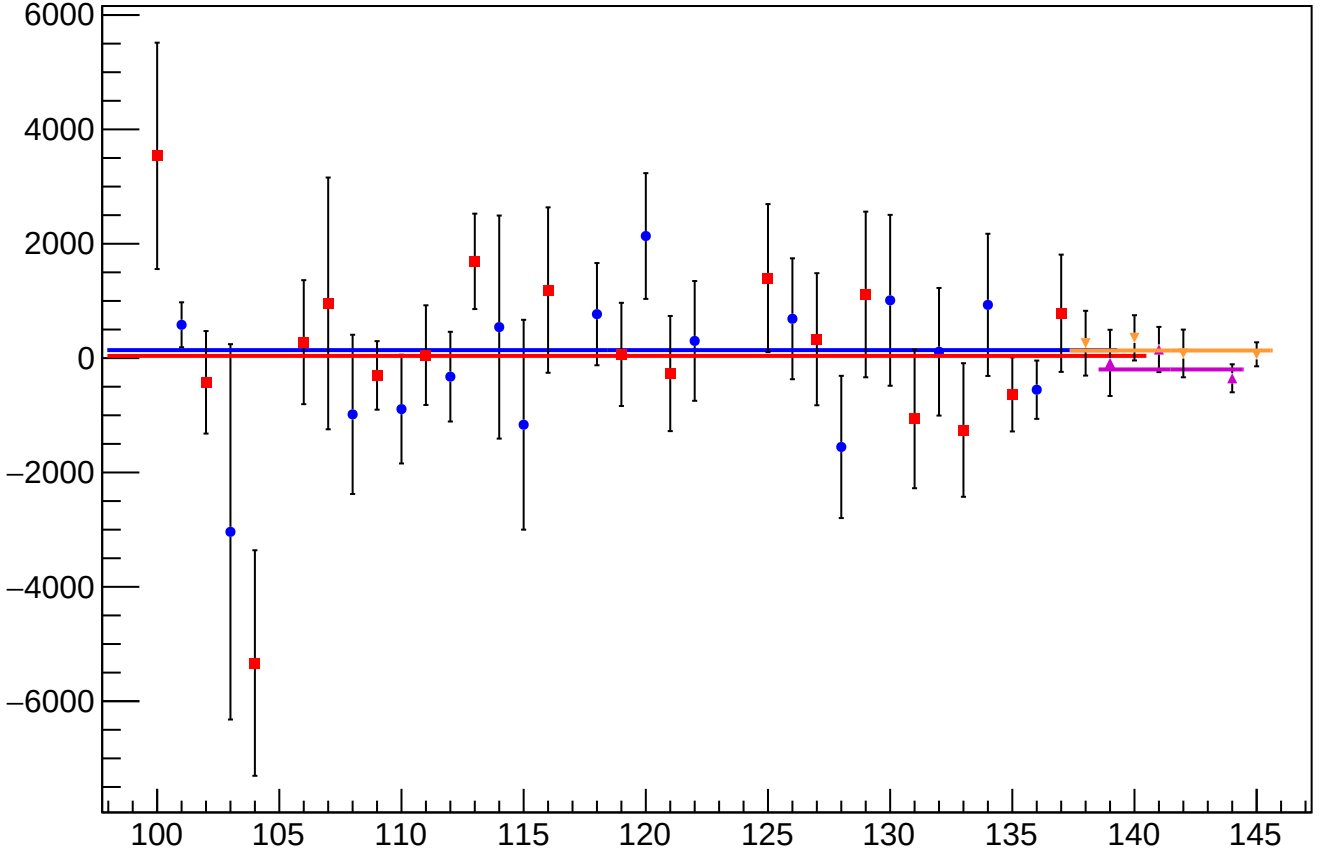
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1738.529+/-0.758 χ^2/NDF:336.0/2

+ sign 1824.646+/-0.413 χ^2/NDF: 693347.2/19

All: 1835.751+/-0.294 χ^2/NDF: 975629.9/40

- sign 1847.224+/-0.419 χ^2/NDF: 280810.5/20



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 133.314+/-162.343 χ^2/NDF:0.5/3

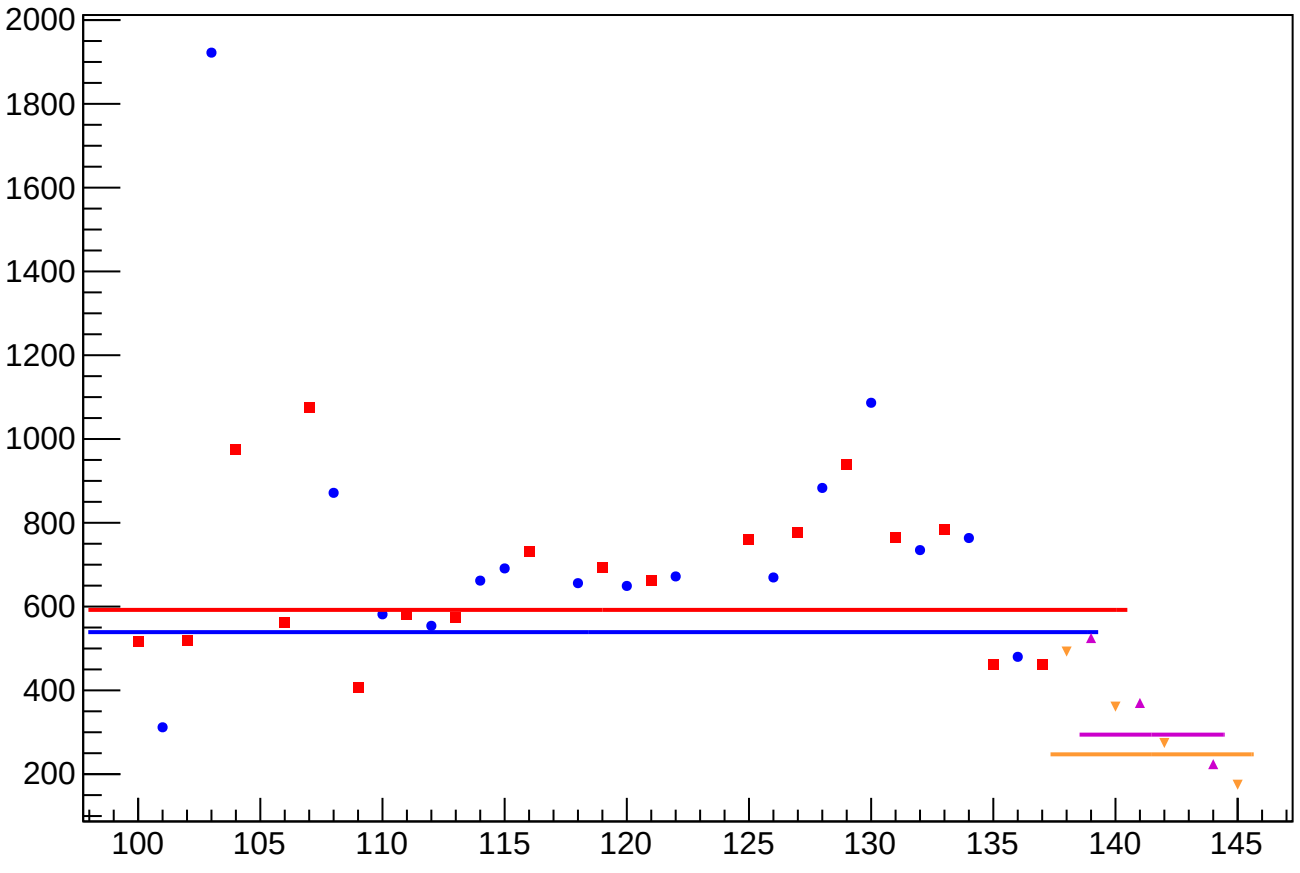
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -198.096+/-195.959 χ^2/NDF:1.2/2

+ sign 135.599+/-130.649 χ^2/NDF: 13.9/19

All: 33.899+/-98.897 χ^2/NDF: 38.6/40

- sign -102.574+/-151.345 χ^2/NDF: 23.2/20



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

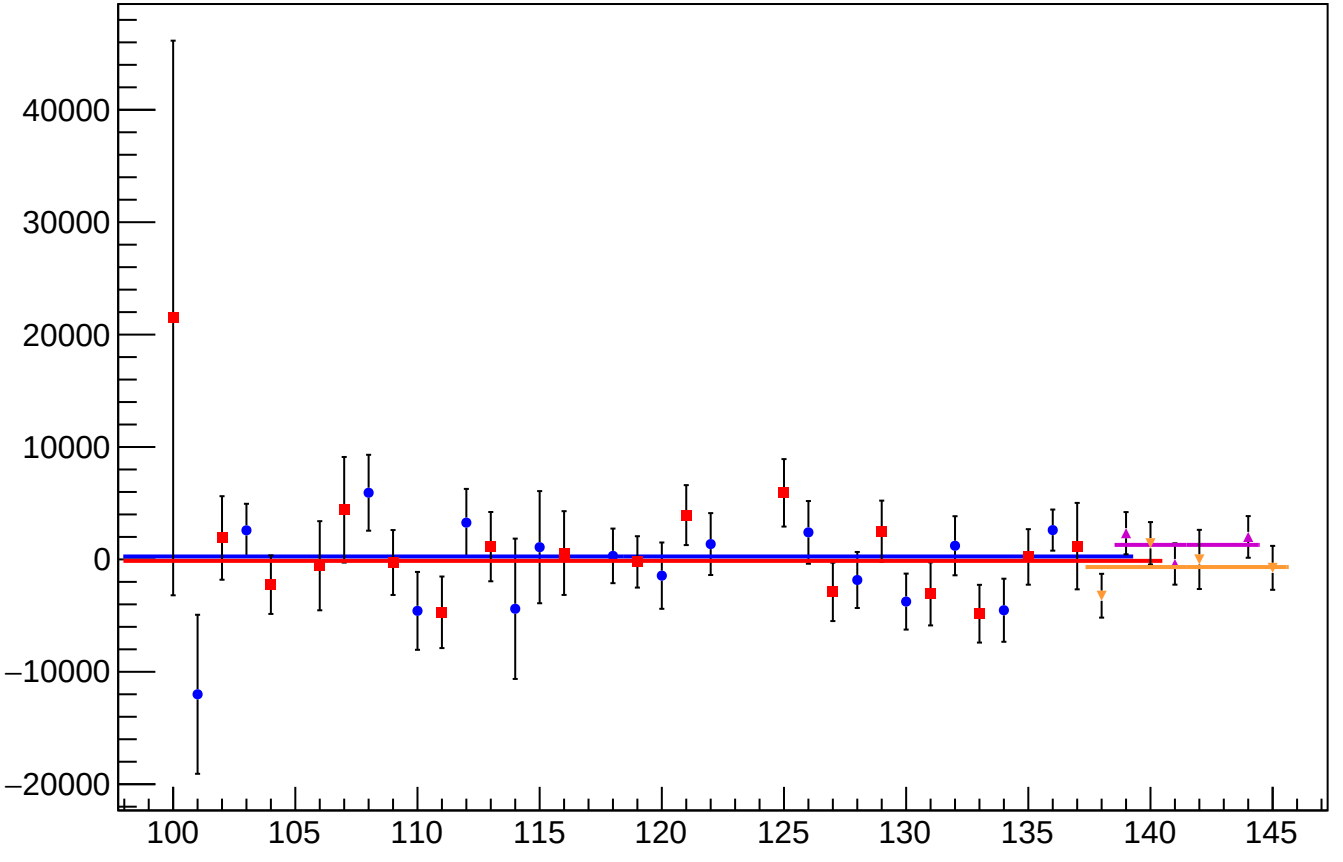
Left In: 294.342+/-0.139 χ^2/NDF:556001.4/2

+ sign 350.092+/-0.092 χ^2/NDF: 4917844.6/19

All: 377.591+/-0.070 χ^2/NDF: 8387711.6/40

- sign 414.491+/-0.107 χ^2/NDF: 3262369.4/20

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

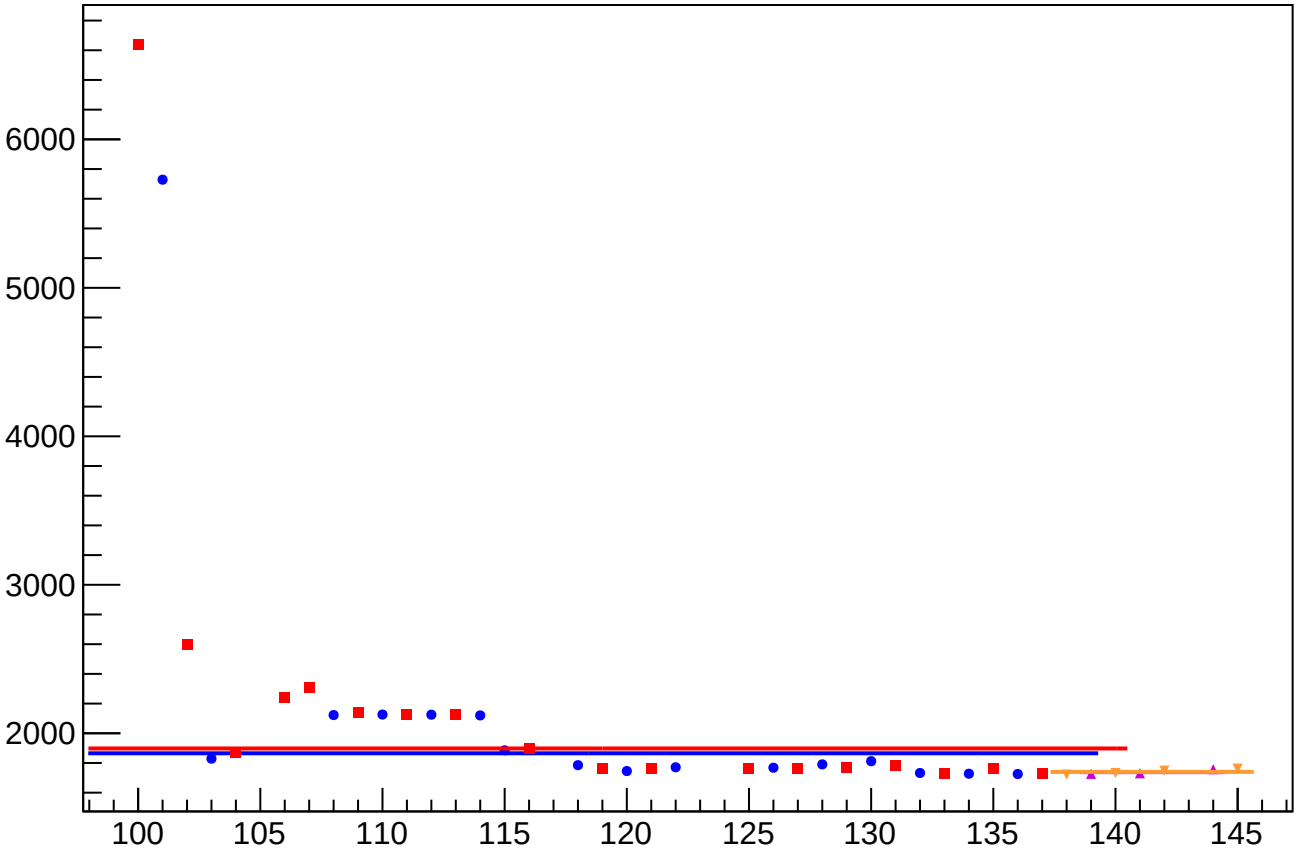
Left In: 1291.794+/-1071.617 χ^2/NDF:1.3/2

+ sign -44.027+/-583.631 χ^2/NDF: 23.0/19

All: 128.318+/-416.317 χ^2/NDF: 43.7/40

- sign 306.858+/-594.030 χ^2/NDF: 20.5/20

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

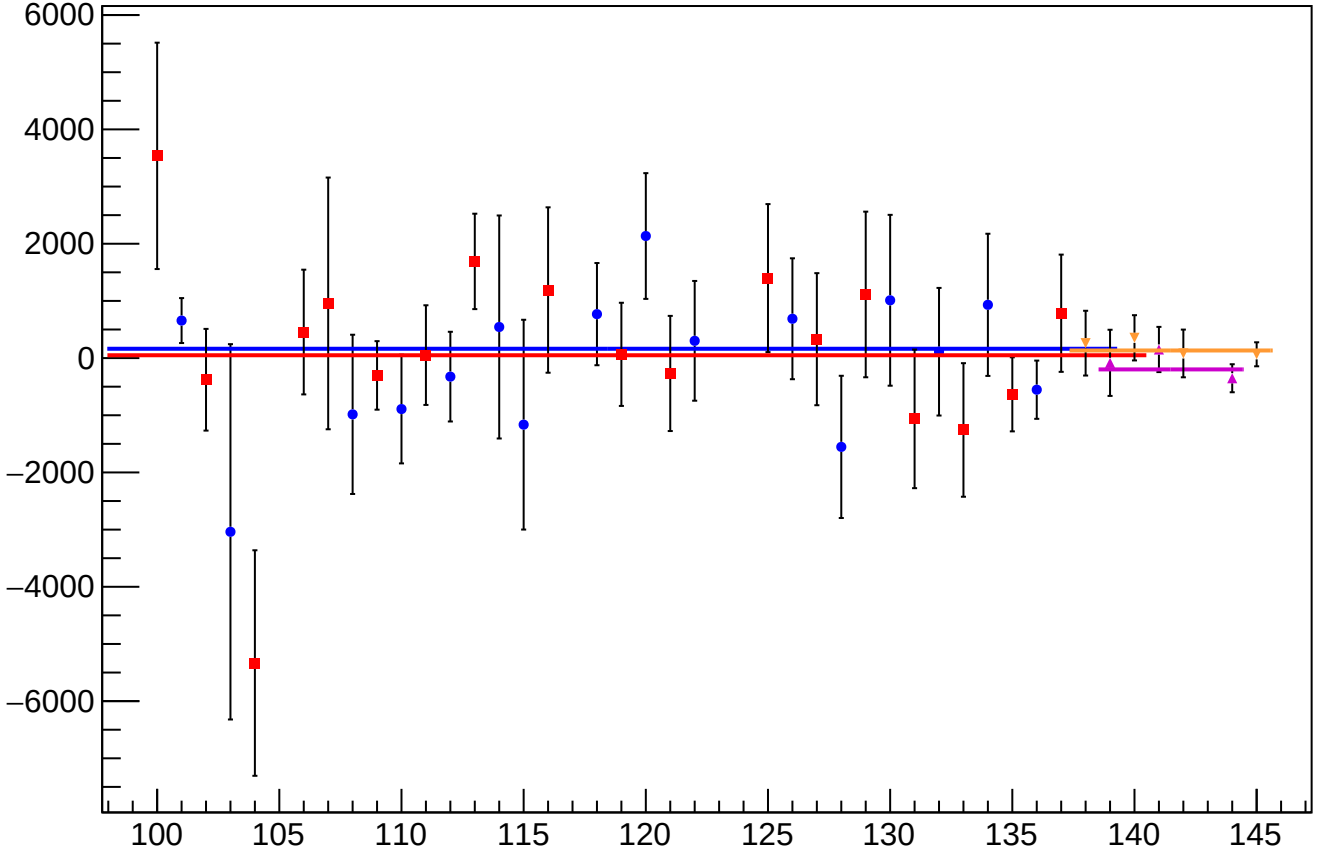
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1738.529+/-0.758 χ^2/NDF:336.0/2

+ sign 1824.646+/-0.413 χ^2/NDF: 693347.2/19

All: 1836.505+/-0.294 χ^2/NDF: 983665.2/40

- sign 1848.790+/-0.420 χ^2/NDF: 288637.0/20



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 133.096+/-162.347 χ^2/NDF:0.5/3

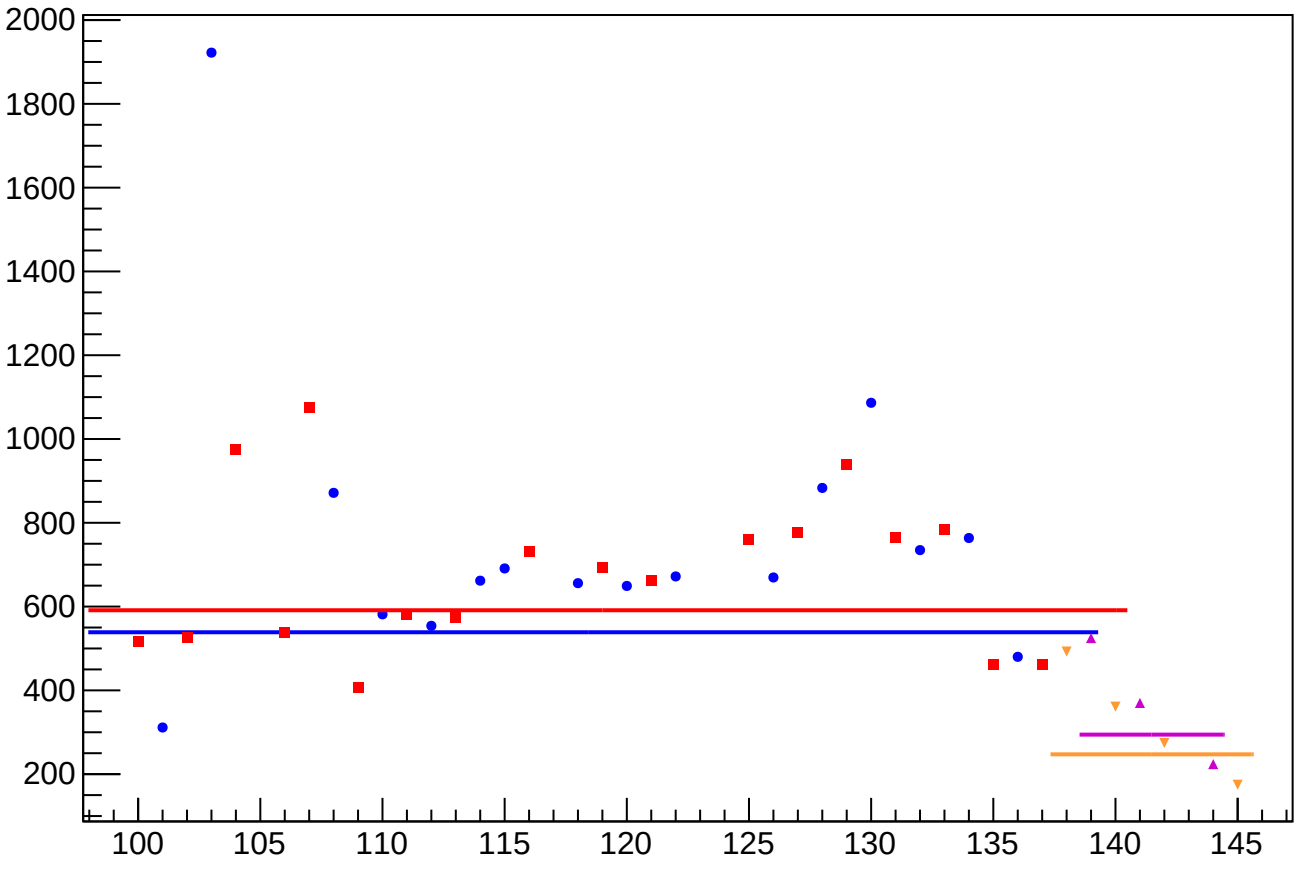
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -198.049+/-195.961 χ^2/NDF:1.2/2

+ sign 143.690+/-130.635 χ^2/NDF: 14.4/19

All: 40.454+/-98.887 χ^2/NDF: 39.2/40

- sign -98.084+/-151.331 χ^2/NDF: 23.3/20



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 247.317+/-0.115 χ^2/NDF:788076.7/3

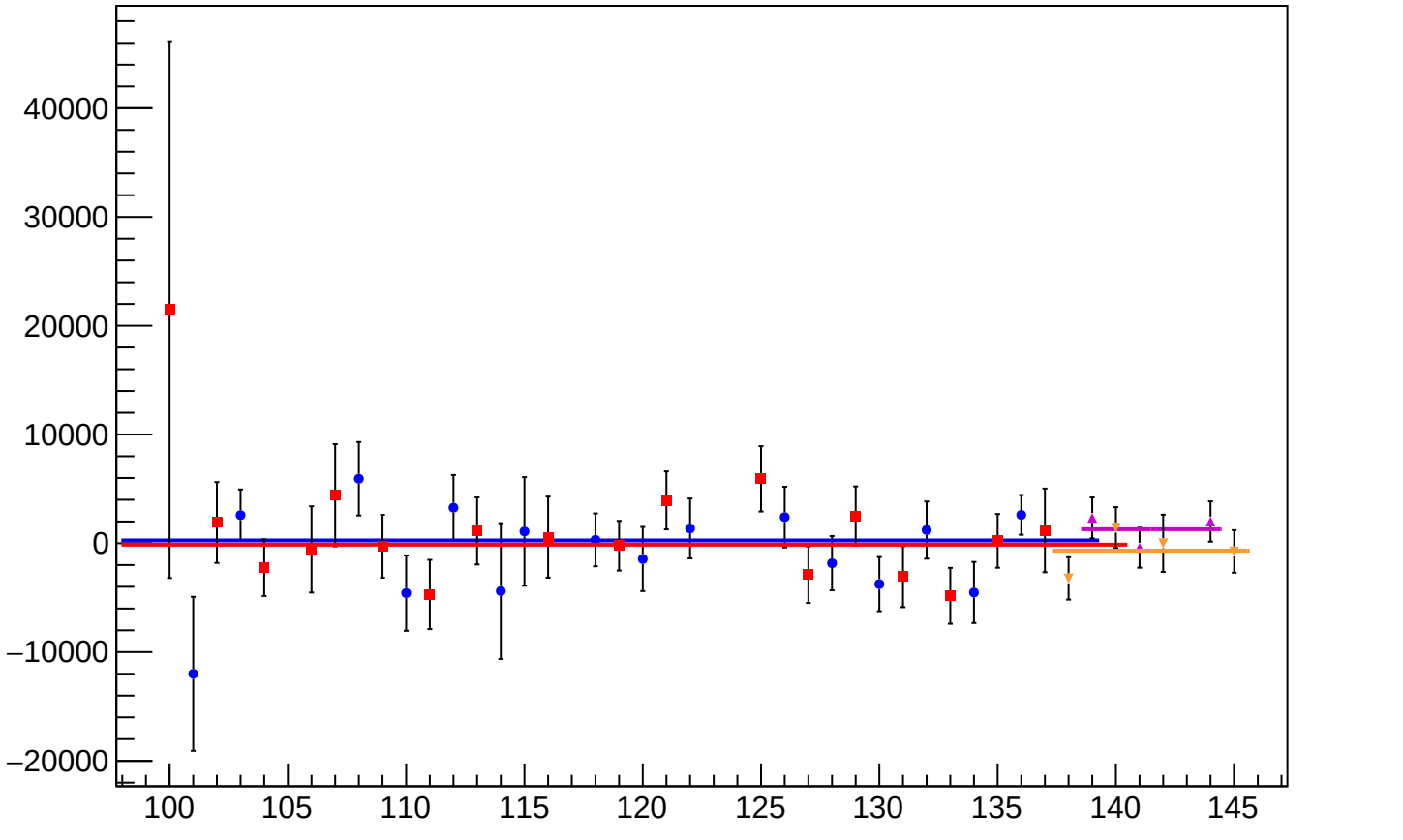
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 294.353+/-0.139 χ^2/NDF:555860.9/2

+ sign 350.035+/-0.092 χ^2/NDF: 4918184.6/19

All: 377.427+/-0.070 χ^2/NDF: 8377451.7/40

- sign 414.185+/-0.107 χ^2/NDF: 3253331.2/20



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -678.523+/-1025.782 χ^2/NDF:3.0/3

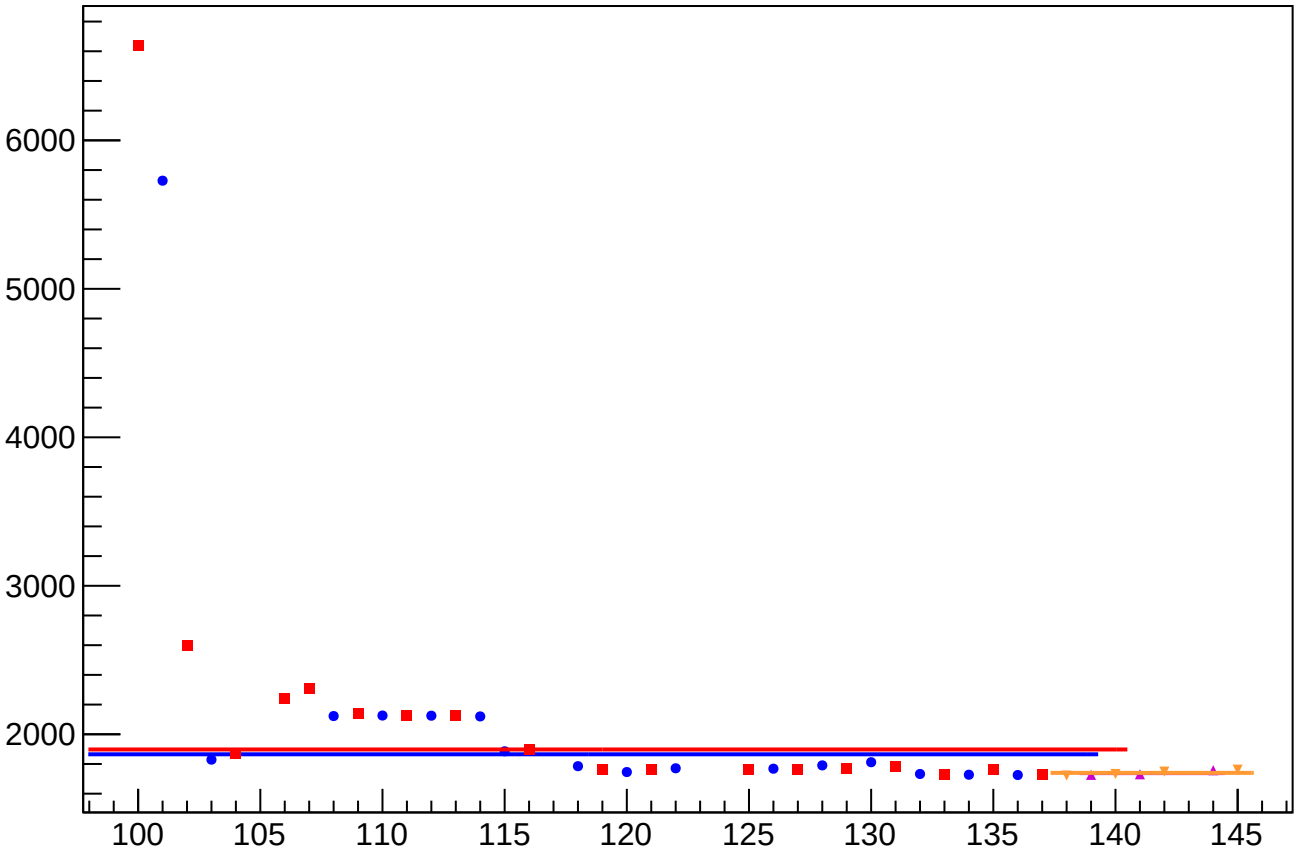
Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 1291.794+/-1071.617 χ^2/NDF:1.3/2

+ sign -44.027+/-583.631 χ^2/NDF: 23.0/19

All: 128.318+/-416.317 χ^2/NDF: 43.7/40

- sign 306.858+/-594.030 χ^2/NDF: 20.5/20



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1739.988+/-0.725 χ^2/NDF:478.9/3

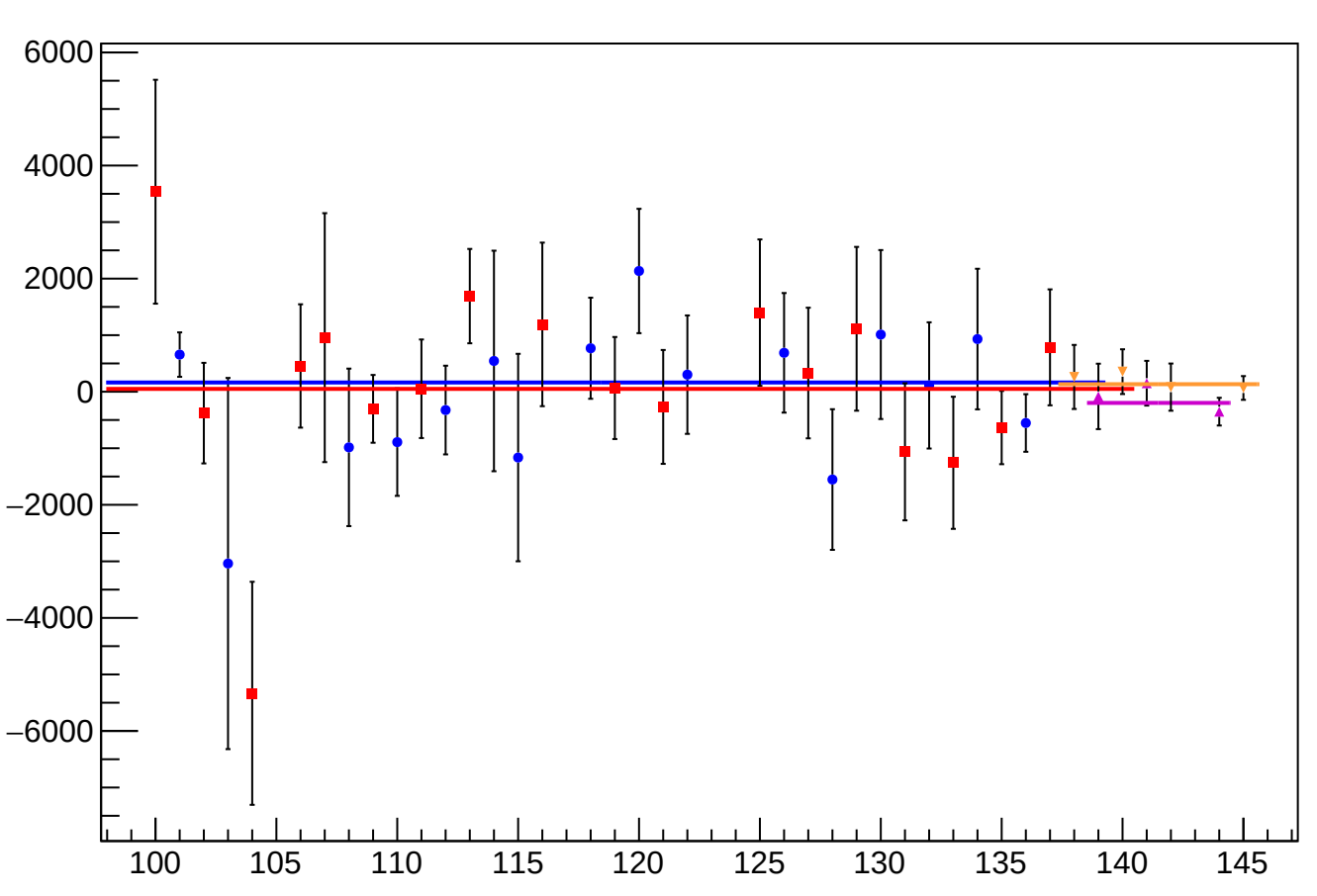
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1738.529+/-0.758 χ^2/NDF:336.0/2

+ sign 1824.646+/-0.413 χ^2/NDF: 693347.2/19

All: 1836.505+/-0.294 χ^2/NDF: 983665.2/40

- sign 1848.790+/-0.420 χ^2/NDF: 288637.0/20



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 133.096+/-162.347 χ^2/NDF:0.5/3

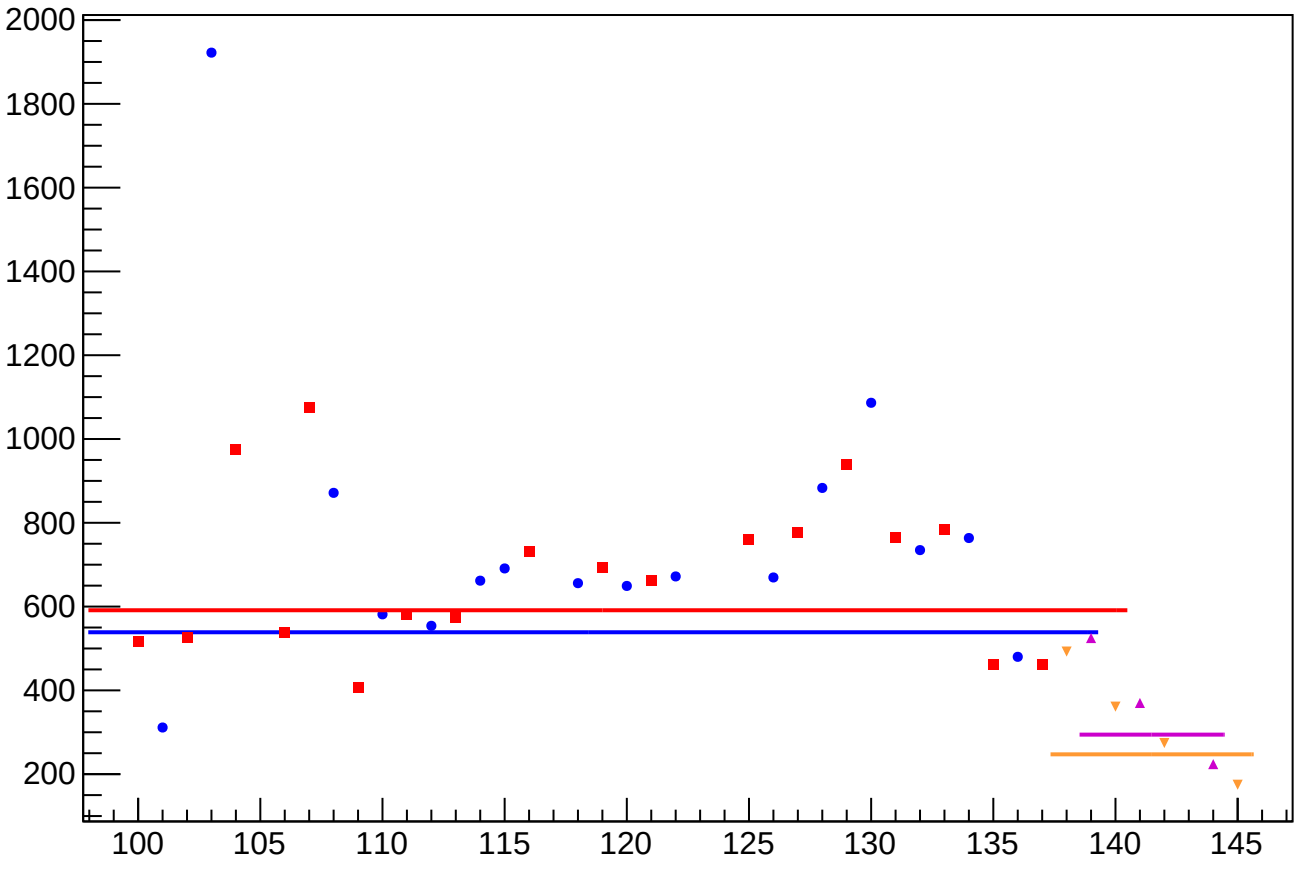
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -198.049+/-195.961 χ^2/NDF:1.2/2

\+ sign 143.690+/-130.635 χ^2/NDF: 14.4/19

All: 40.454+/-98.887 χ^2/NDF: 39.2/40

\- sign -98.084+/-151.331 χ^2/NDF: 23.3/20



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 247.317+/-0.115 χ^2/NDF:788076.7/3

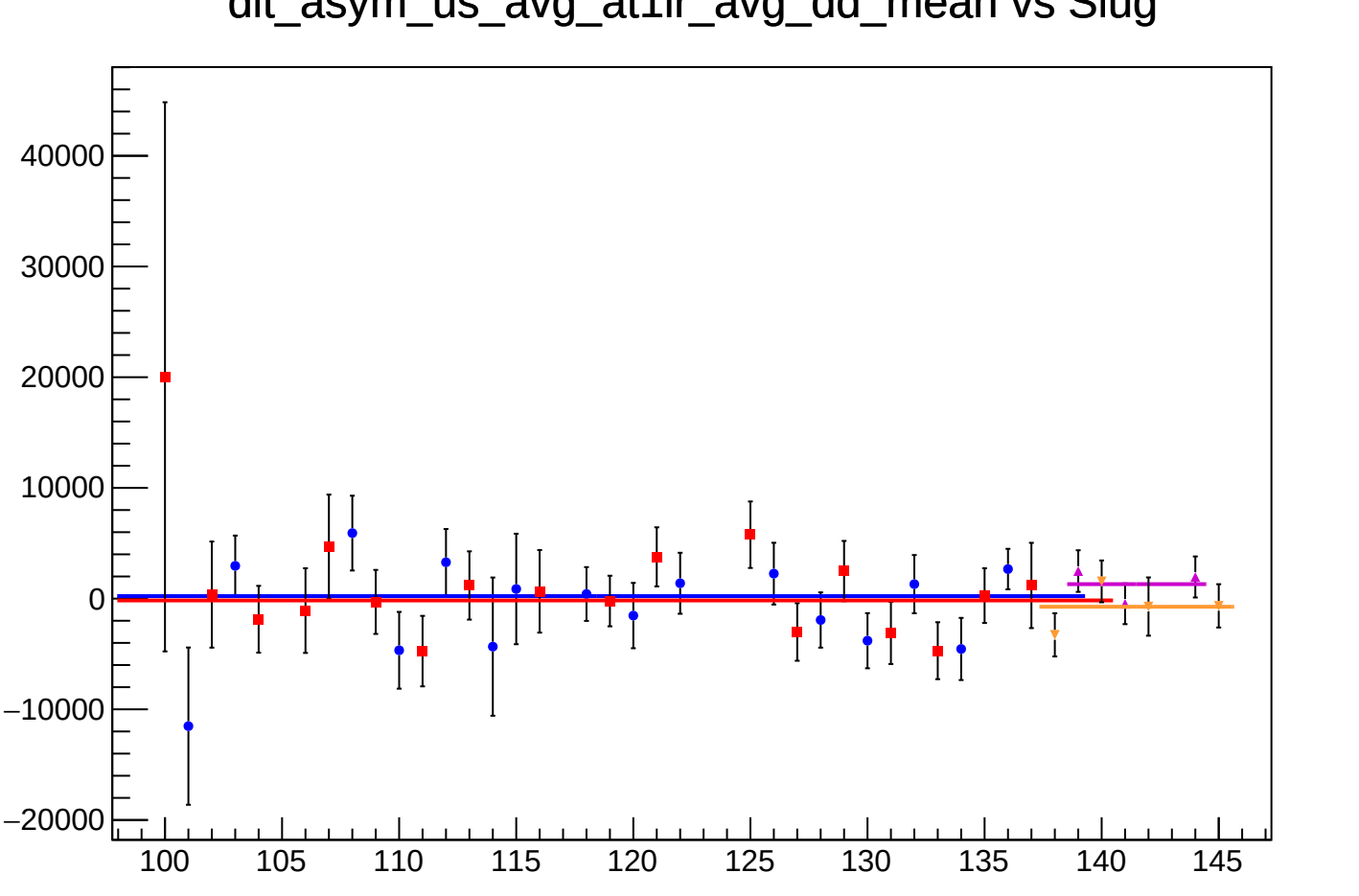
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 294.353+/-0.139 χ^2/NDF:555860.9/2

+ sign 350.035+/-0.092 χ^2/NDF: 4918184.6/19

All: 377.427+/-0.070 χ^2/NDF: 8377451.7/40

- sign 414.185+/-0.107 χ^2/NDF: 3253331.2/20



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

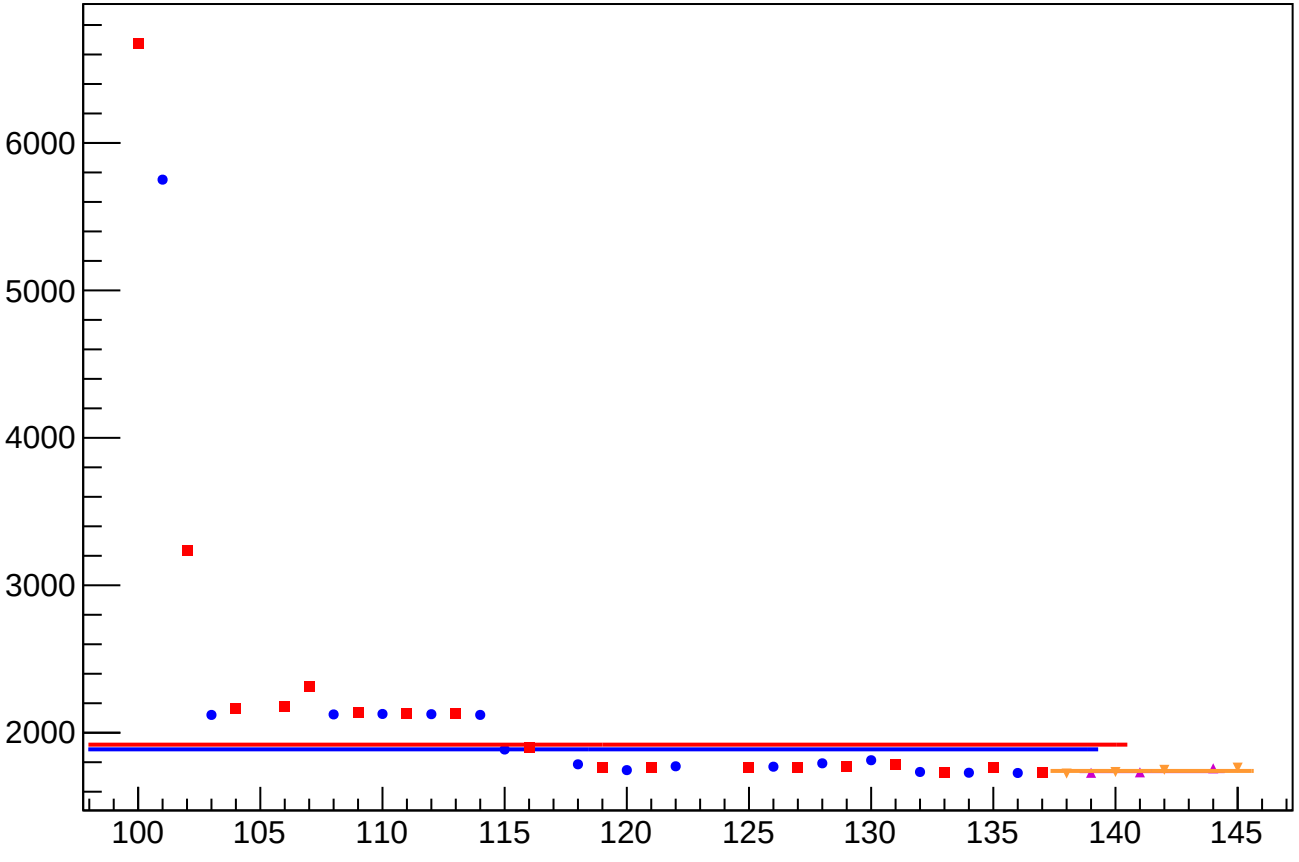
Left In: 1307.052+/-1072.289 χ^2/NDF:1.4/2

+ sign -90.352+/-588.629 χ^2/NDF: 23.2/19

All: 99.965+/-420.548 χ^2/NDF: 43.2/40

- sign 298.403+/-601.056 χ^2/NDF: 19.8/20

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

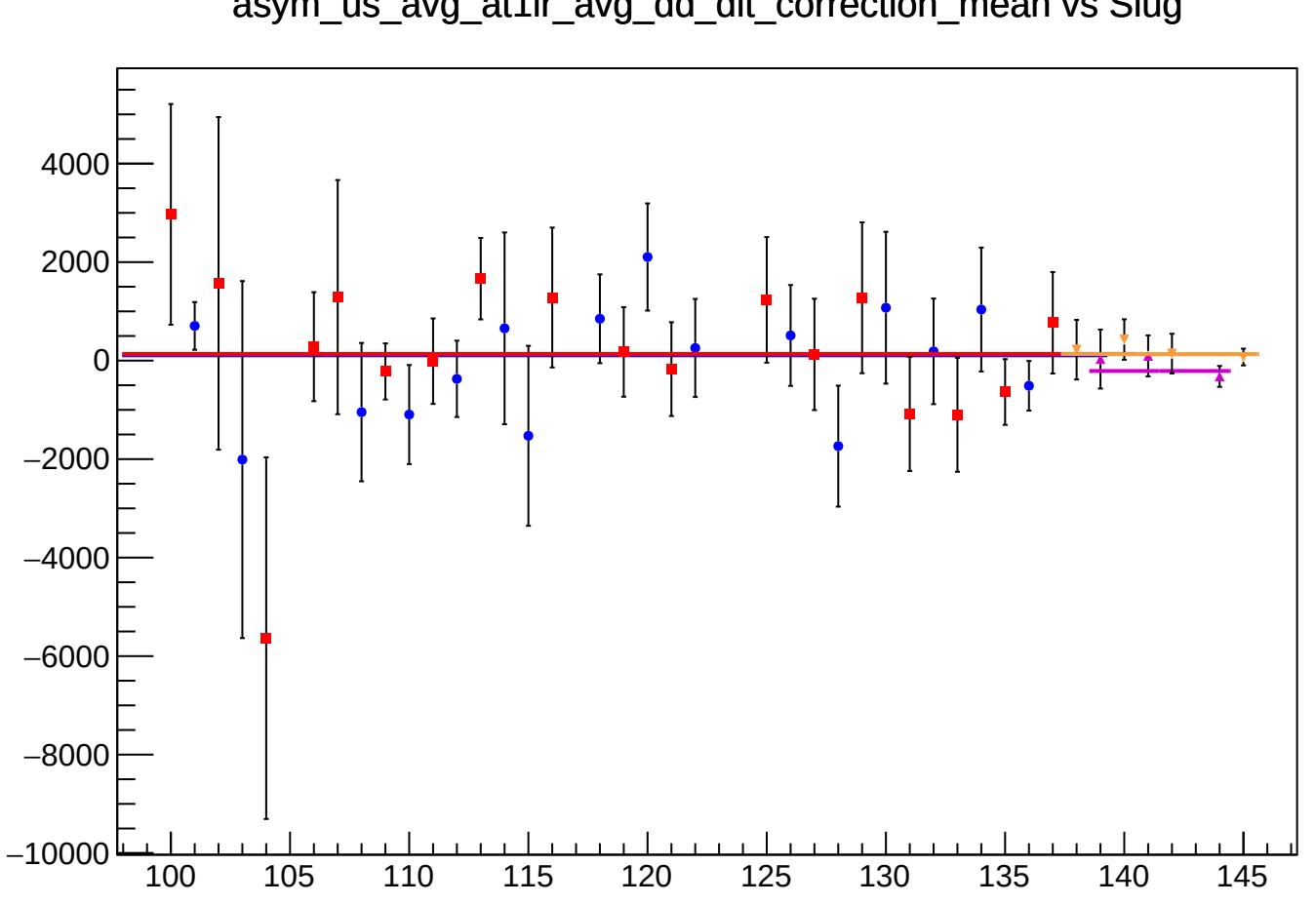
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1739.613+/-0.758 χ^2/NDF:326.3/2

+ sign 1839.150+/-0.416 χ^2/NDF: 717229.9/19

All: 1850.703+/-0.297 χ^2/NDF: 1110154.6/40

- sign 1862.749+/-0.425 χ^2/NDF: 391351.0/20



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 132.986+/-142.406 χ^2/NDF:0.7/3

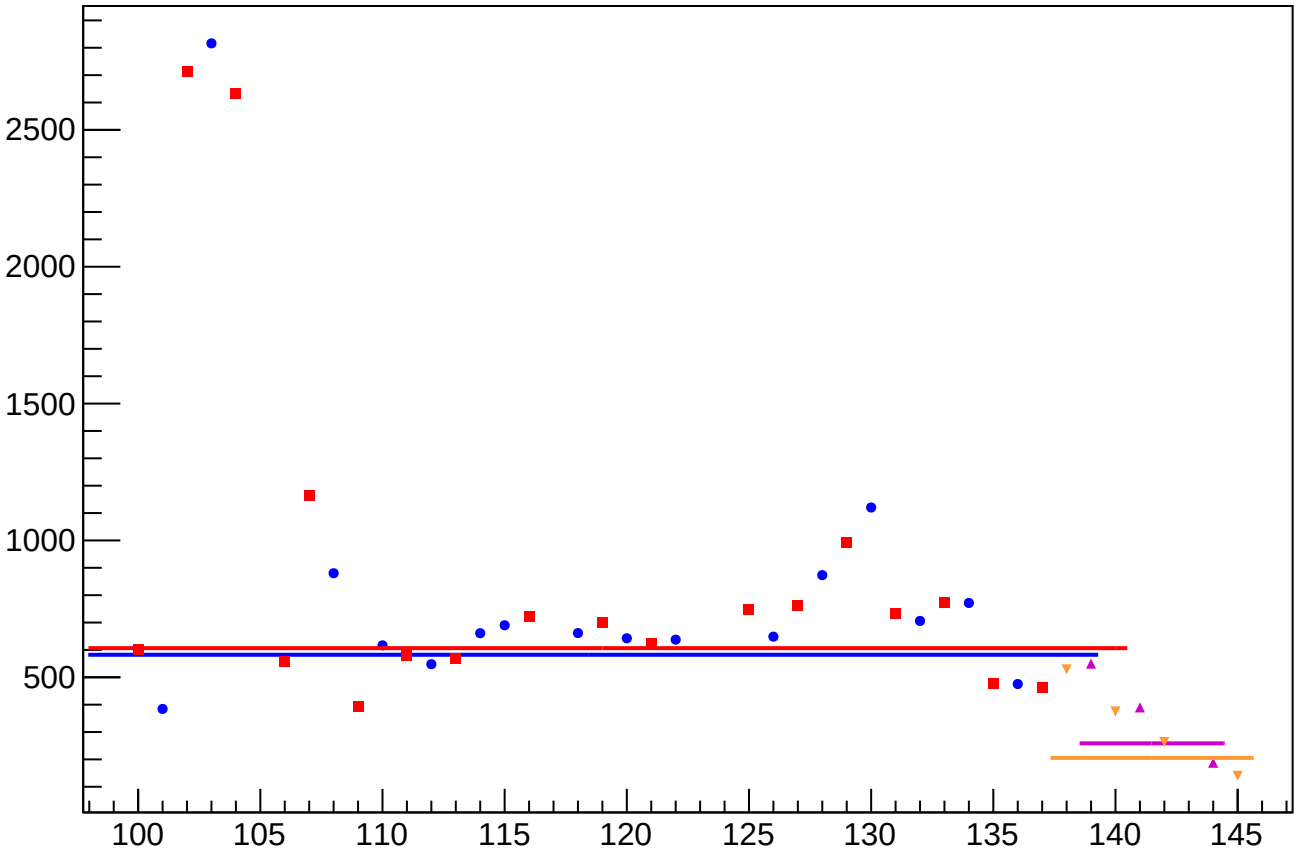
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -210.684+/-180.333 χ^2/NDF:1.0/2

+ sign 126.172+/-121.324 χ^2/NDF: 14.8/19

All: 37.589+/-93.161 χ^2/NDF: 32.7/40

- sign -89.685+/-145.426 χ^2/NDF: 16.6/20



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 205.464+/-0.101 χ^2/NDF:1248431.6/3

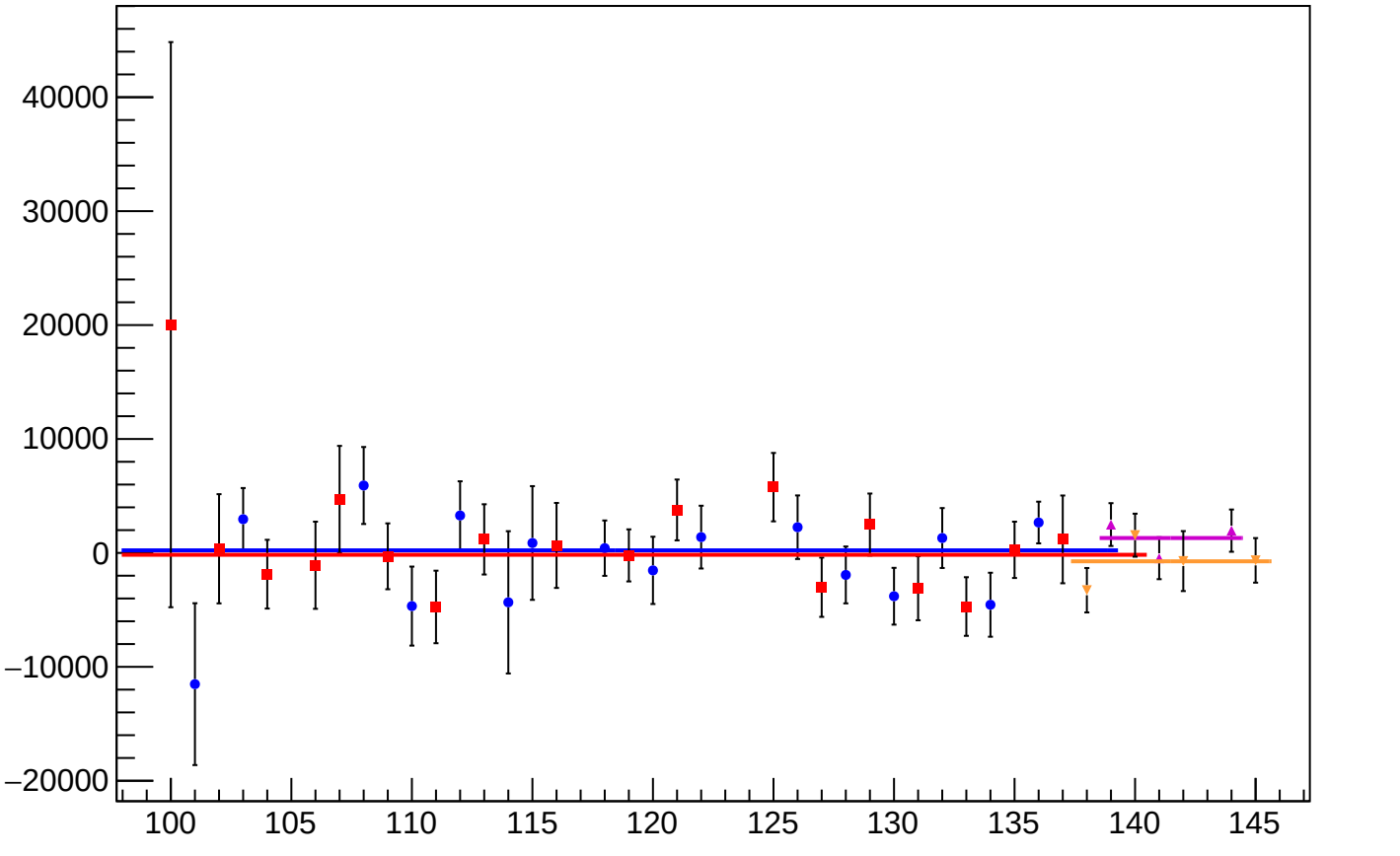
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 258.632+/-0.128 χ^2/NDF:895623.1/2

+ sign 308.769+/-0.086 χ^2/NDF: 6841702.9/19

All: 338.104+/-0.066 χ^2/NDF: 12822233.0/40

- sign 380.252+/-0.103 χ^2/NDF: 5695606.7/20



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

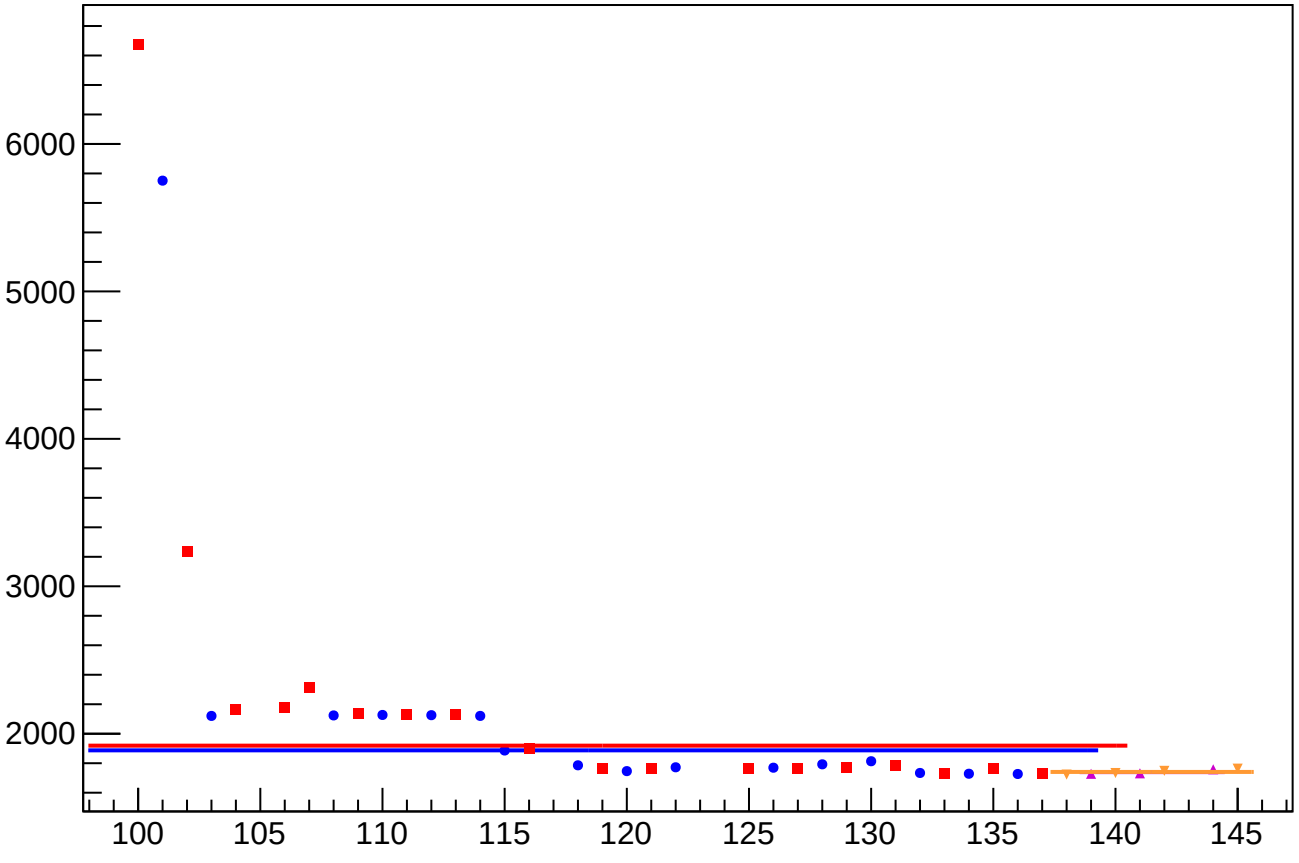
Left In: 1307.053+/-1072.289 χ^2/NDF:1.4/2

+ sign -90.351+/-588.629 χ^2/NDF: 23.2/19

All: 99.965+/-420.548 χ^2/NDF: 43.2/40

- sign 298.402+/-601.056 χ^2/NDF: 19.8/20

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

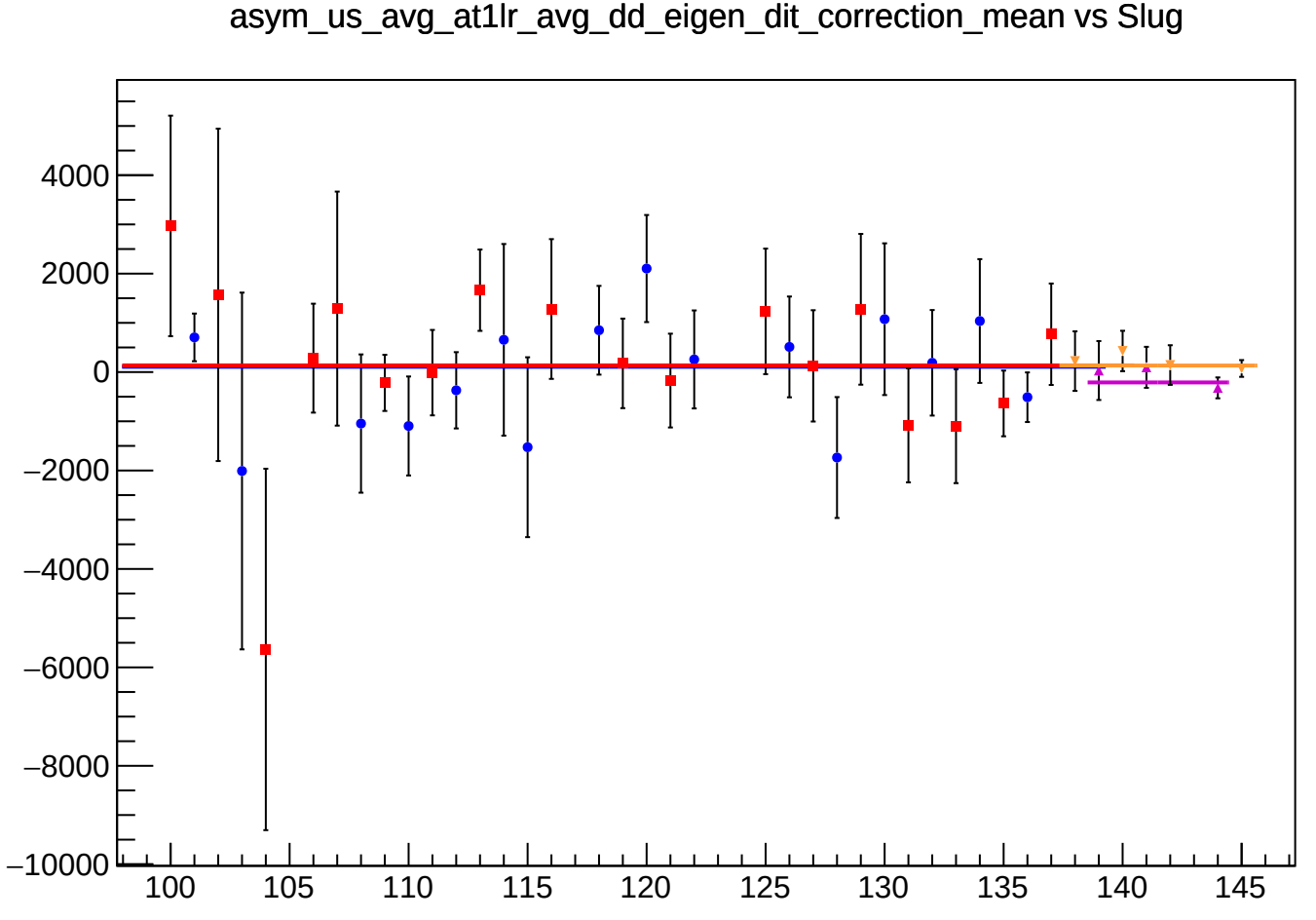
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1739.613+/-0.758 χ^2/NDF:326.3/2

+ sign 1839.150+/-0.416 χ^2/NDF: 717229.5/19

All: 1850.703+/-0.297 χ^2/NDF: 1110153.5/40

- sign 1862.749+/-0.425 χ^2/NDF: 391350.2/20



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 132.985+/-142.406 χ^2/NDF:0.7/3

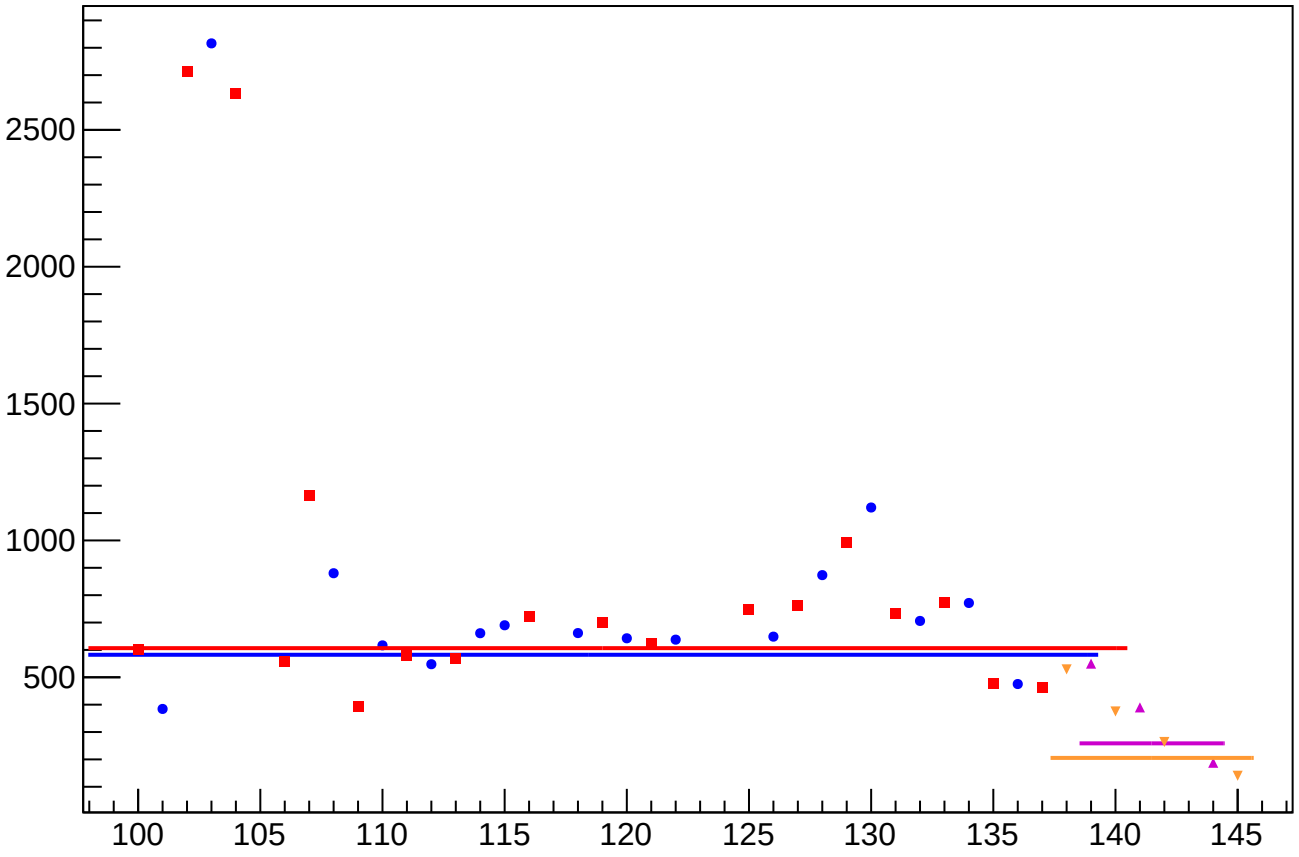
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -210.684+/-180.333 χ^2/NDF:1.0/2

\+ sign 126.170+/-121.324 χ^2/NDF: 14.8/19

All: 37.588+/-93.161 χ^2/NDF: 32.7/40

\- sign -89.685+/-145.426 χ^2/NDF: 16.6/20



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

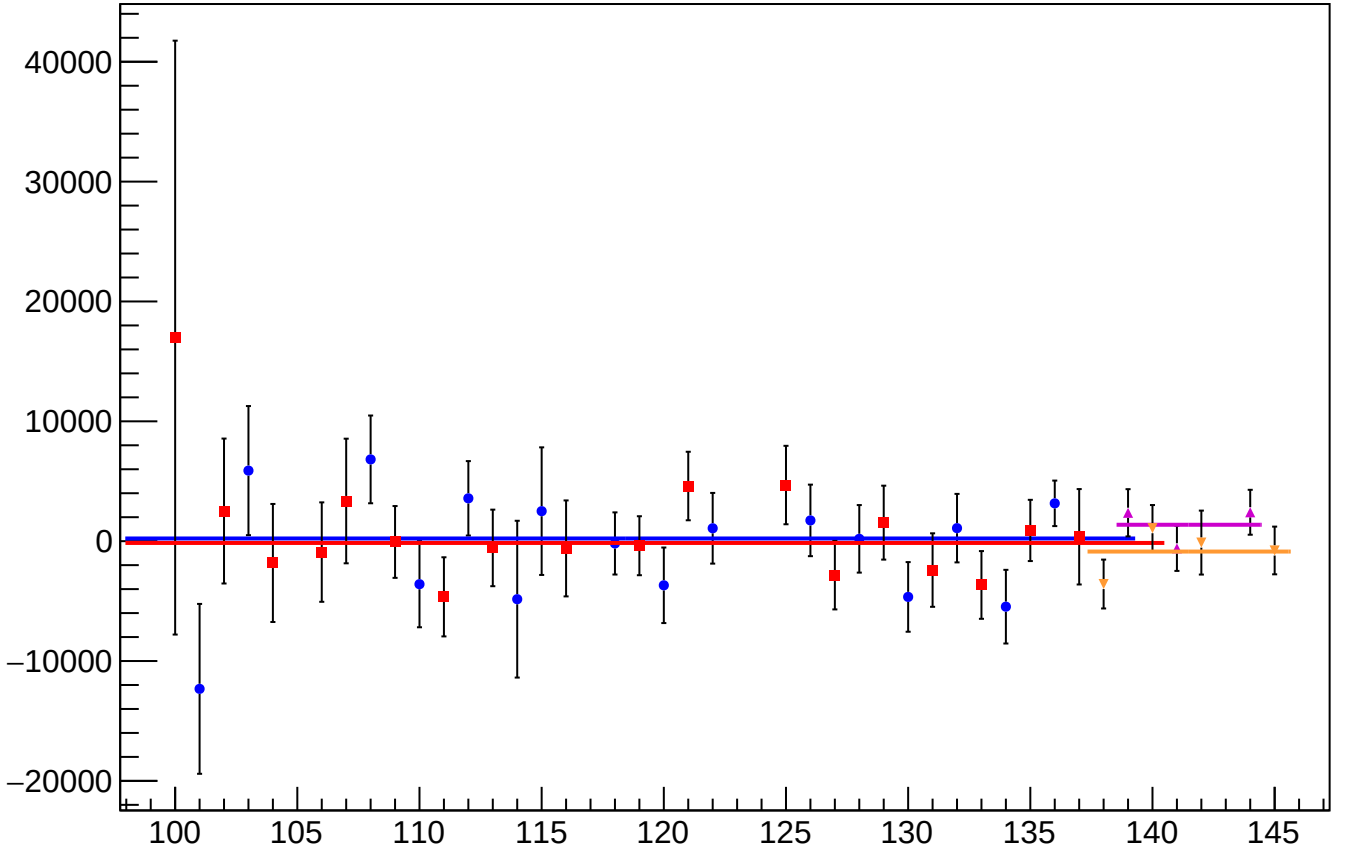
Left In: 258.632+/-0.128 χ^2/NDF:895629.6/2

+ sign 308.769+/-0.086 χ^2/NDF: 6841690.2/19

All: 338.104+/-0.066 χ^2/NDF: 12822198.9/40

- sign 380.252+/-0.103 χ^2/NDF: 5695586.1/20

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

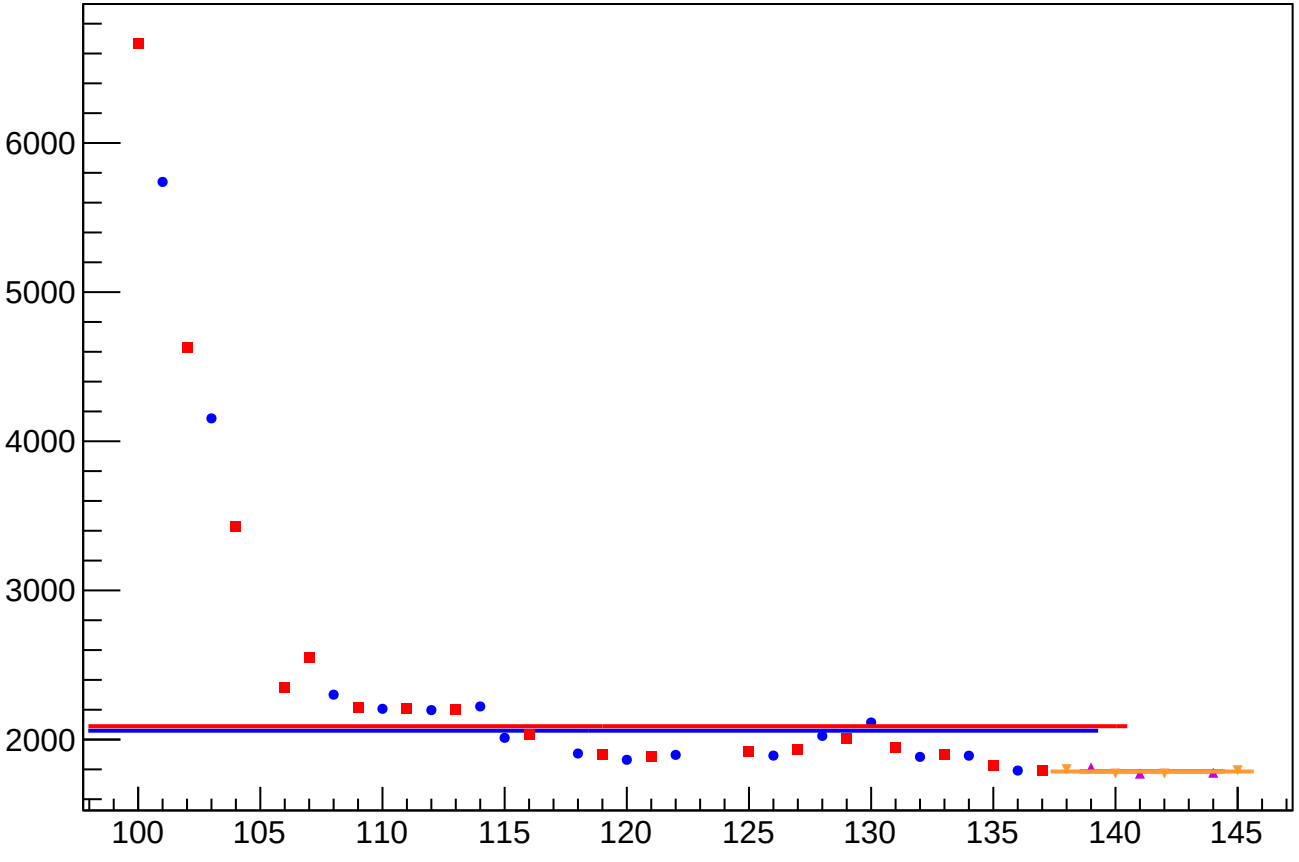
Left In: 1368.859+/-1101.321 χ^2/NDF:1.7/2

+ sign -169.453+/-632.754 χ^2/NDF: 24.7/19

All: 95.919+/-451.404 χ^2/NDF: 39.6/40

- sign 370.947+/-644.163 χ^2/NDF: 14.5/20

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

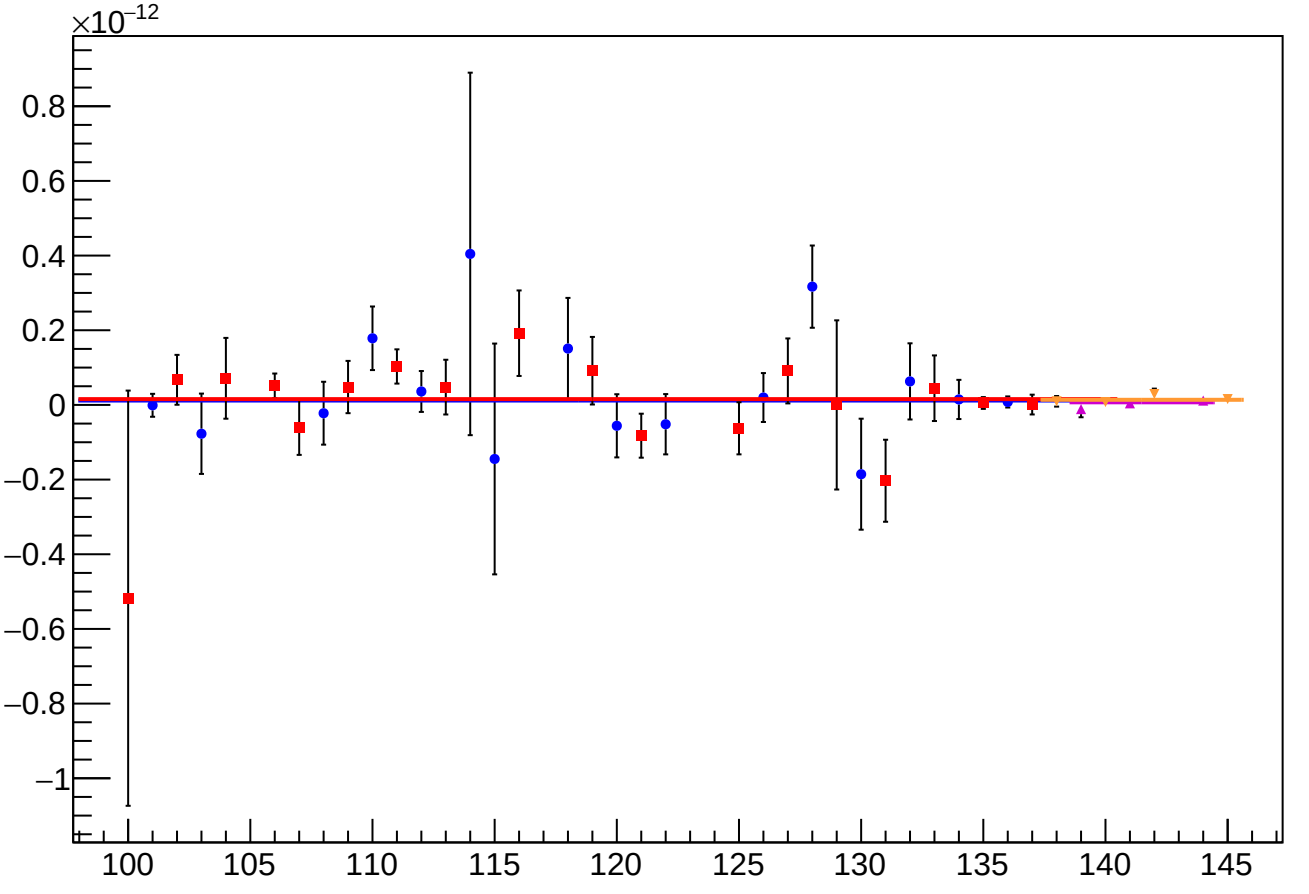
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1786.689+/-0.779 χ^2/NDF:520.4/2

+ sign 1960.665+/-0.447 χ^2/NDF: 1026465.7/19

All: 1973.052+/-0.319 χ^2/NDF: 1809469.0/40

- sign 1985.891+/-0.455 χ^2/NDF: 781442.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

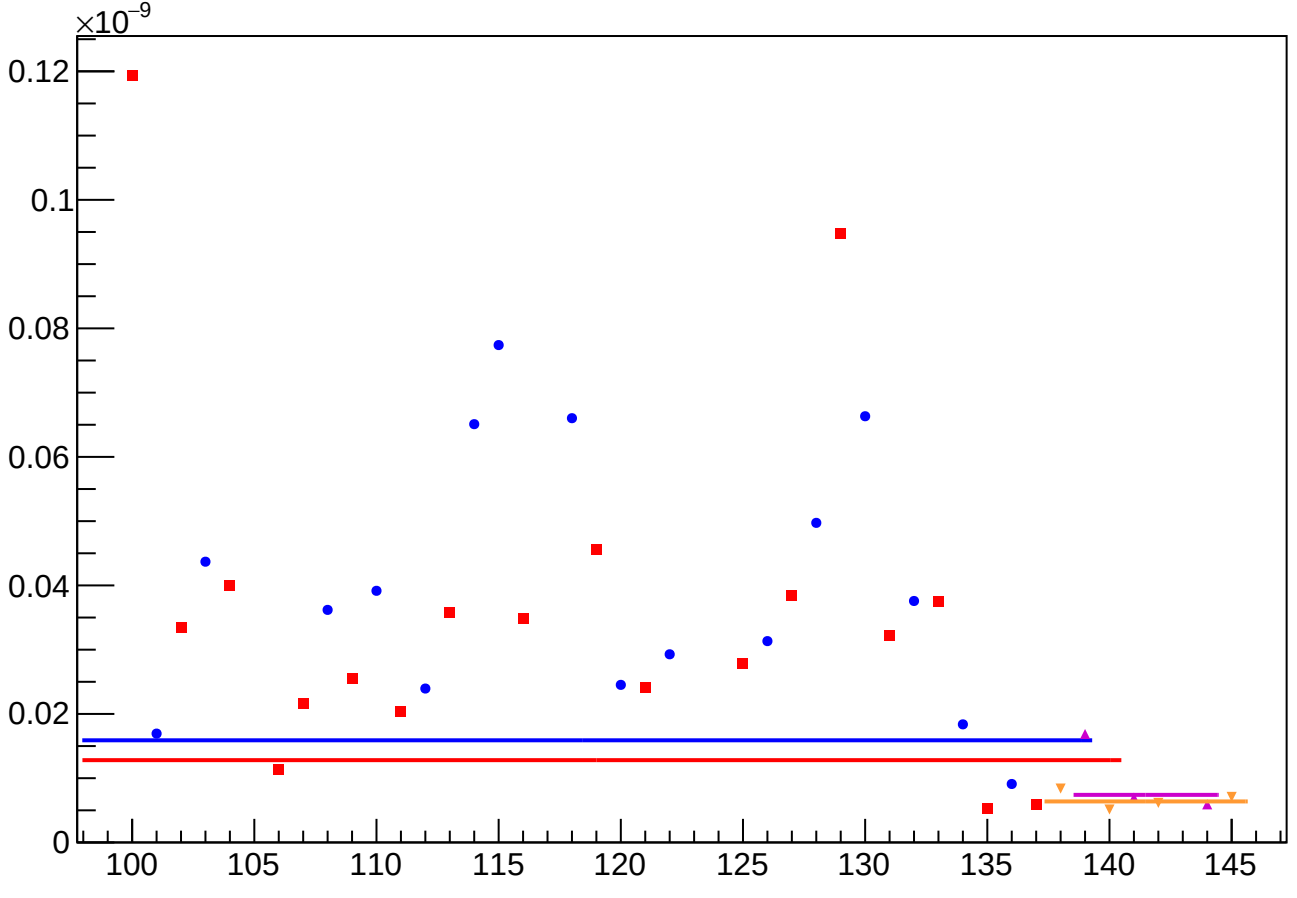
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 19.7/19

All: 0.000+/-0.000 χ^2/NDF: 42.1/40

- sign 0.000+/-0.000 χ^2/NDF: 22.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:80995.4/3

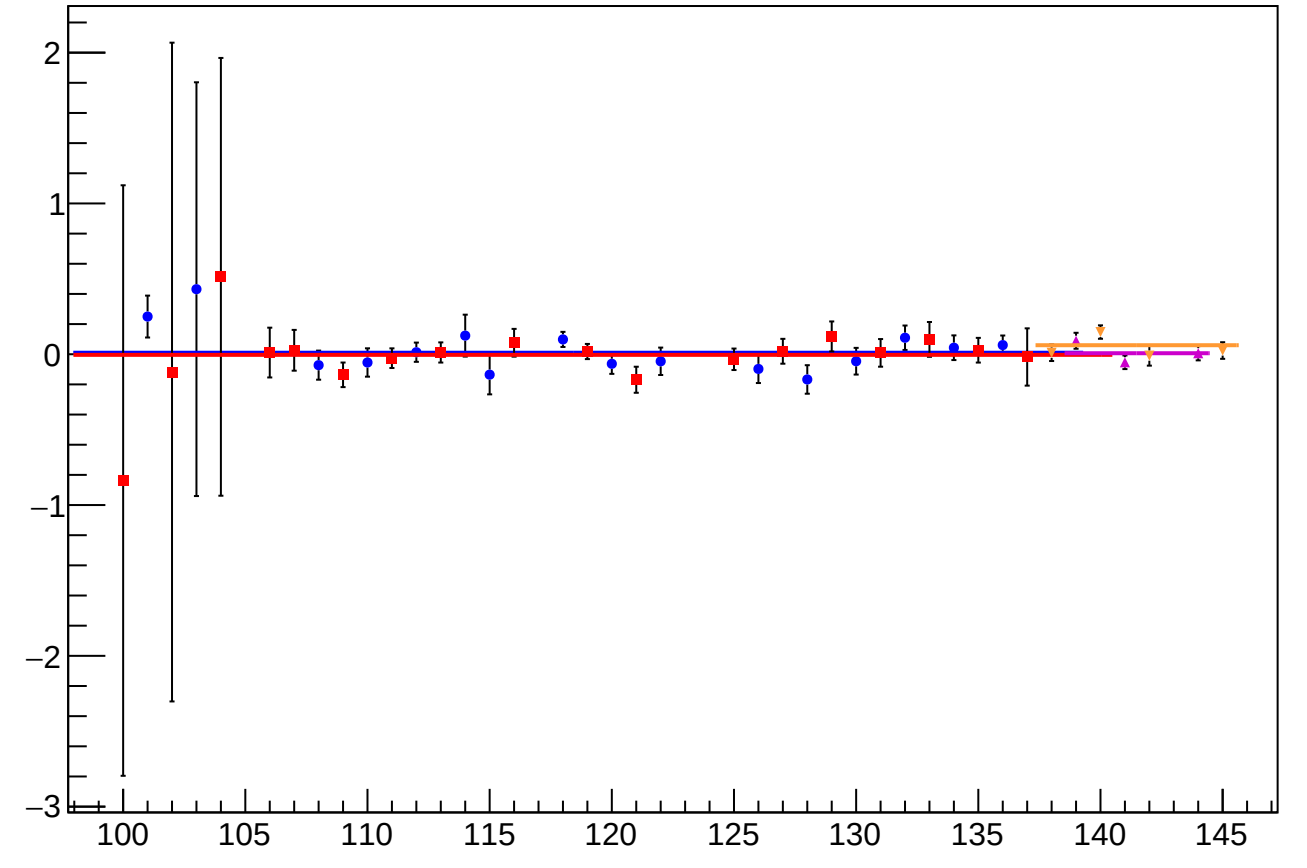
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:426322.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 3076650.4/19

All: 0.000+/-0.000 χ^2/NDF: 6355688.3/40

- sign 0.000+/-0.000 χ^2/NDF: 3266120.3/20



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

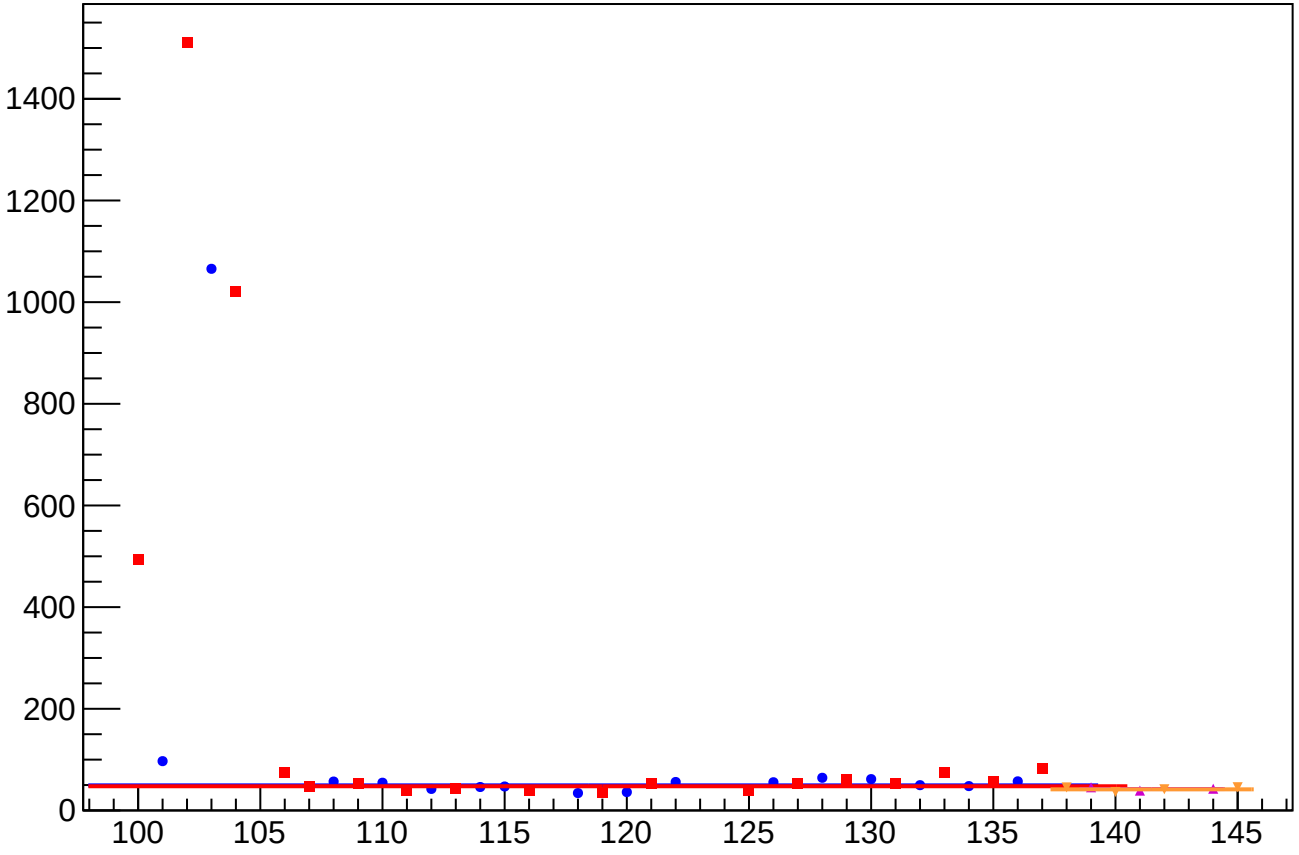
Left In: 0.007+/-0.028 χ^2/NDF:4.2/2

+ sign 0.029+/-0.017 χ^2/NDF: 26.8/19

All: 0.015+/-0.012 χ^2/NDF: 43.0/40

- sign 0.000+/-0.017 χ^2/NDF: 14.8/20

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

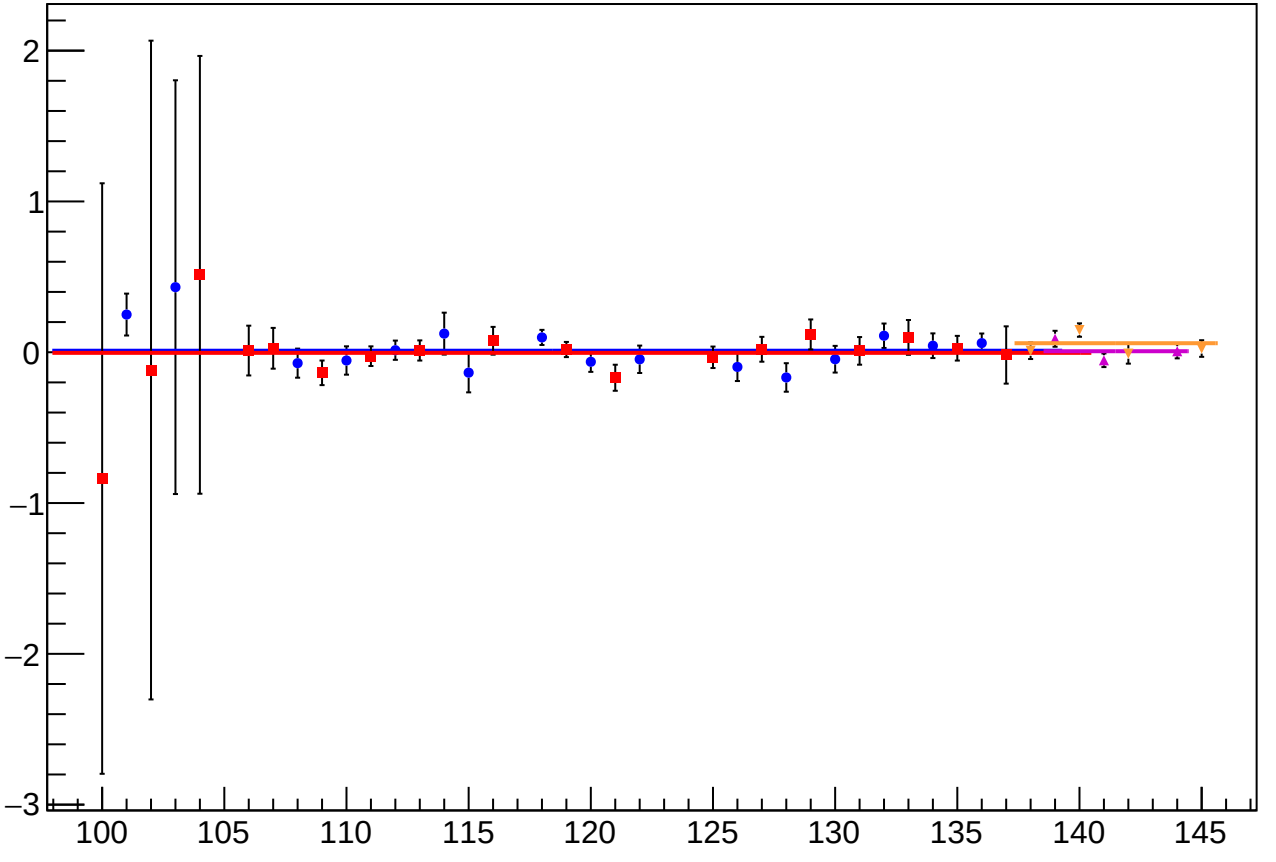
Left In: 42.145+/-0.020 χ^2/NDF:18280.1/2

+ sign 46.373+/-0.012 χ^2/NDF: 1929673.0/19

All: 45.978+/-0.008 χ^2/NDF: 4416716.4/40

- sign 45.559+/-0.012 χ^2/NDF: 2484686.3/20

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

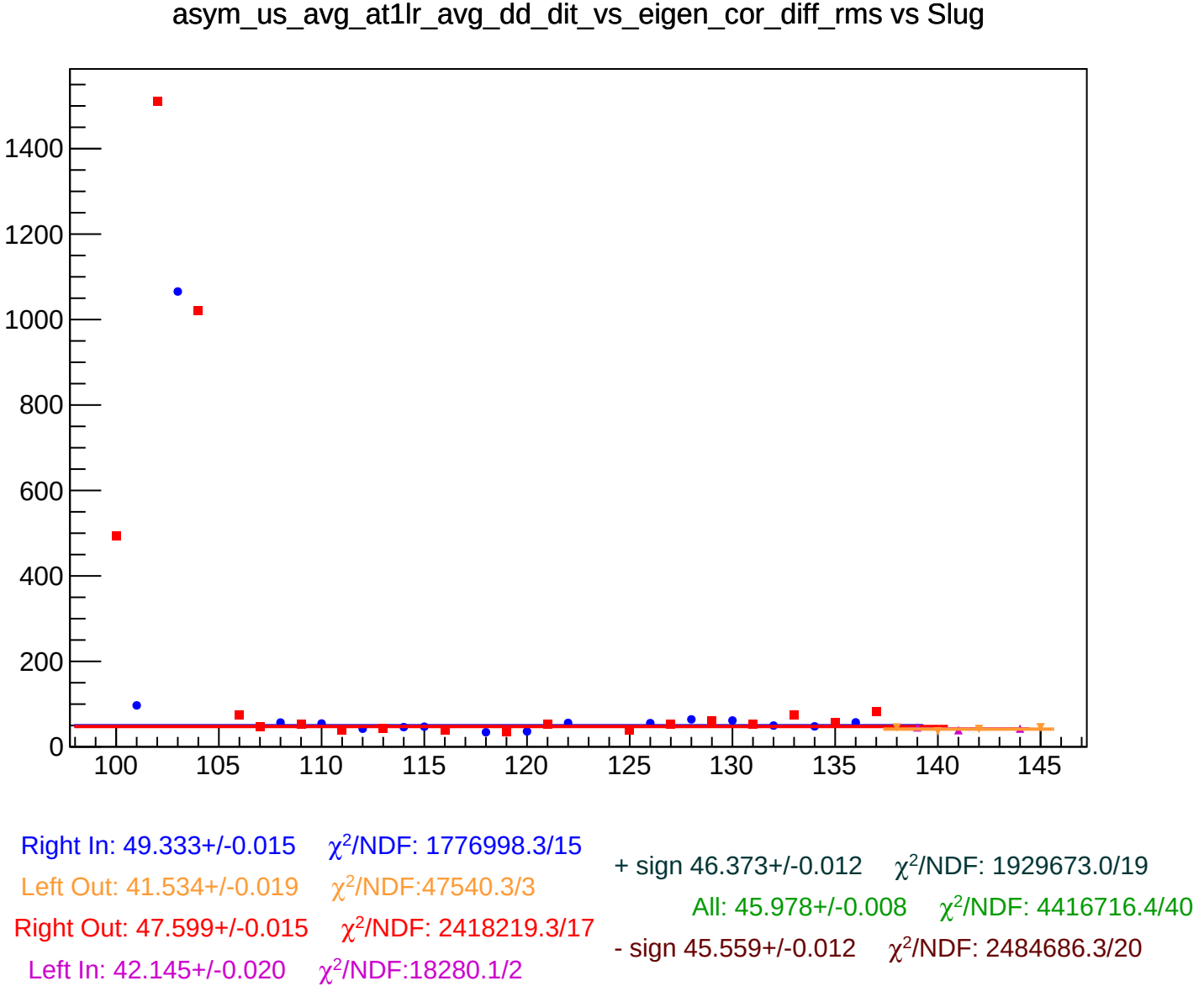
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.007+/-0.028 χ^2/NDF:4.2/2

+ sign 0.029+/-0.017 χ^2/NDF: 26.8/19

All: 0.015+/-0.012 χ^2/NDF: 43.0/40

- sign 0.000+/-0.017 χ^2/NDF: 14.8/20


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
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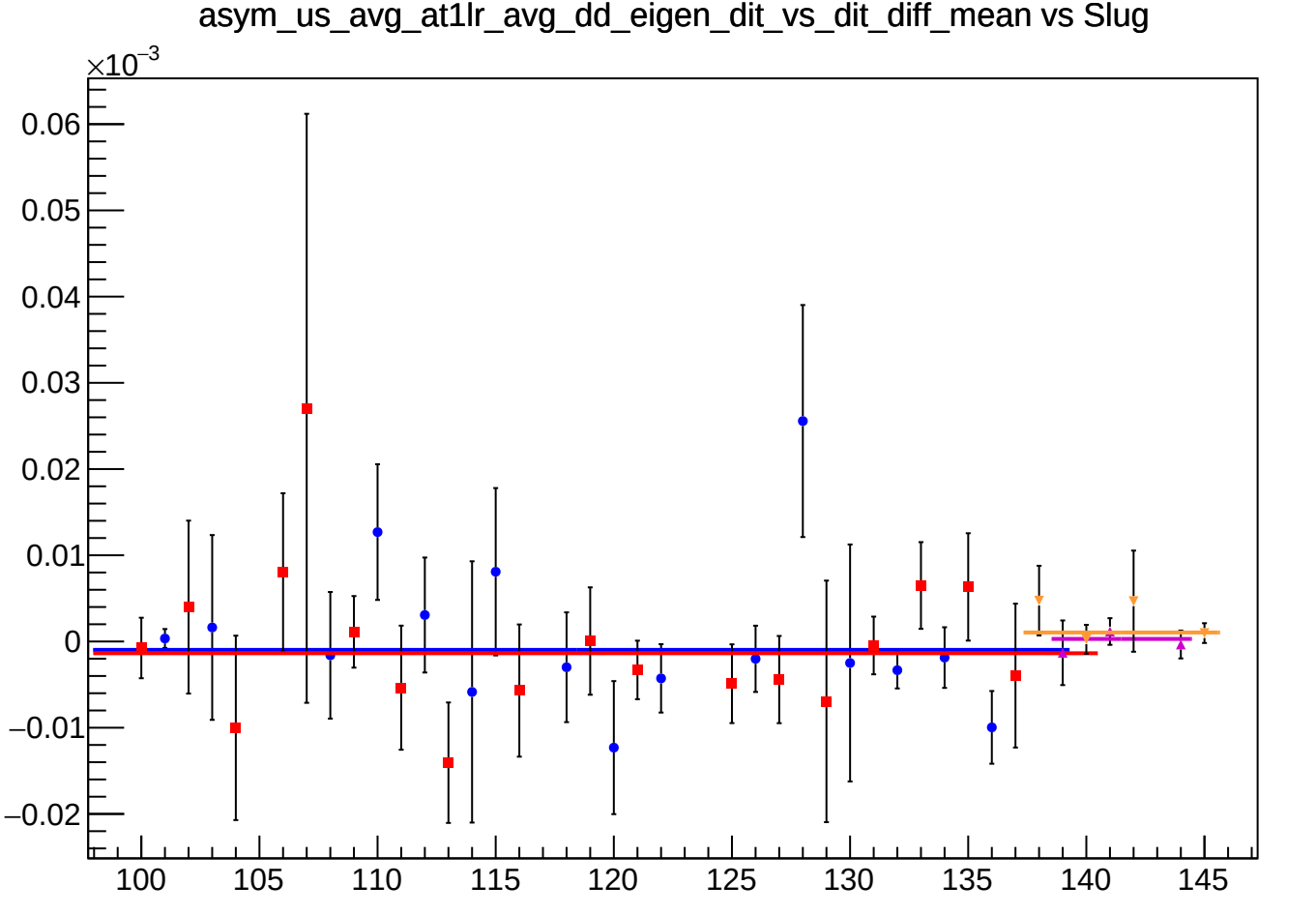
135
140
145
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 41.534+/-0.019 χ²/NDF:47540.3/3
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 42.145+/-0.020 χ²/NDF:18280.1/2
+ sign 46.373+/-0.012 χ²/NDF: 1929673.0/19
All: 45.978+/-0.008 χ²/NDF: 4416716.4/40
- sign 45.559+/-0.012 χ²/NDF: 2484686.3/20



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

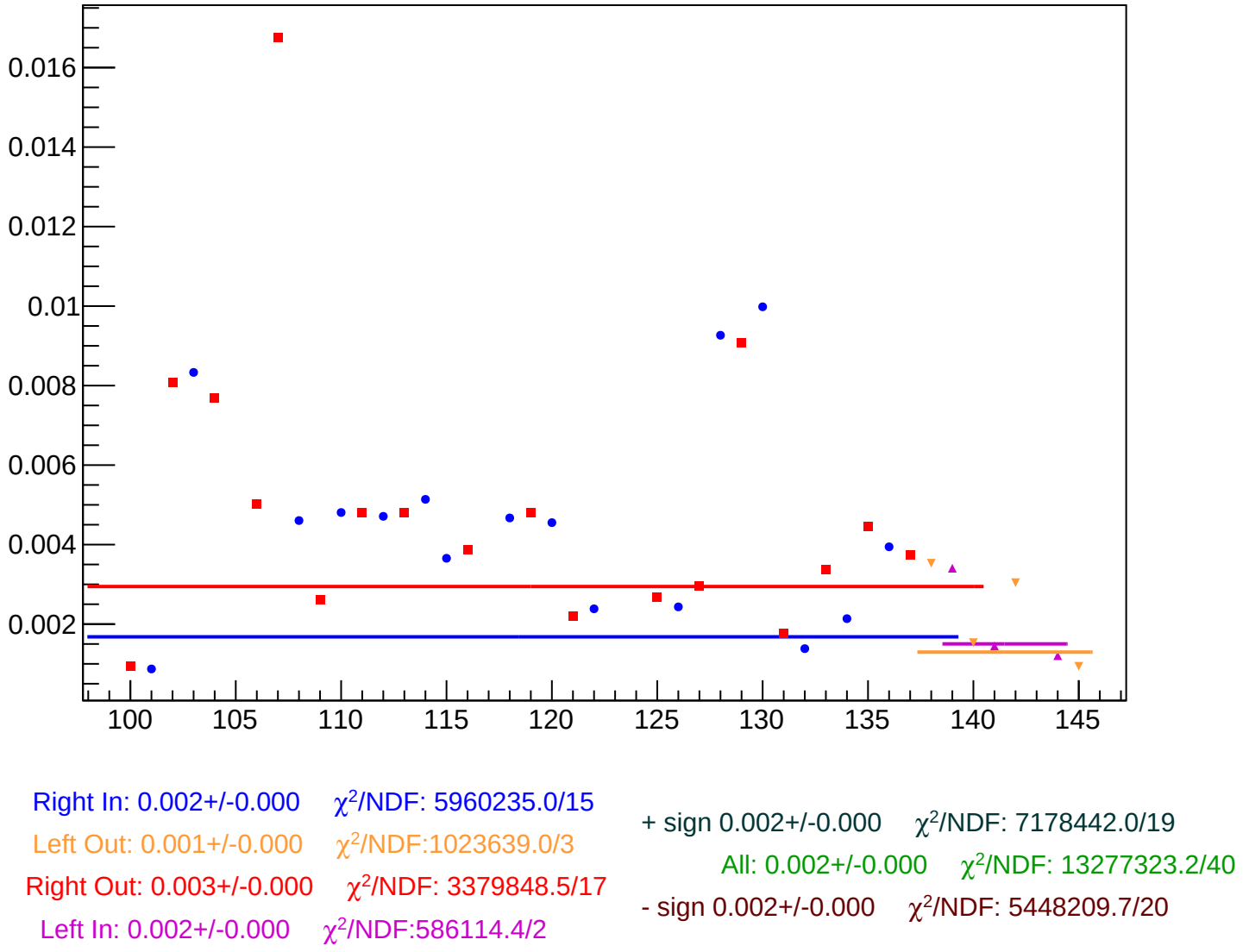
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/19

All: -0.000+/-0.000 χ^2/NDF: 37.1/40

- sign -0.000+/-0.000 χ^2/NDF: 14.3/20


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
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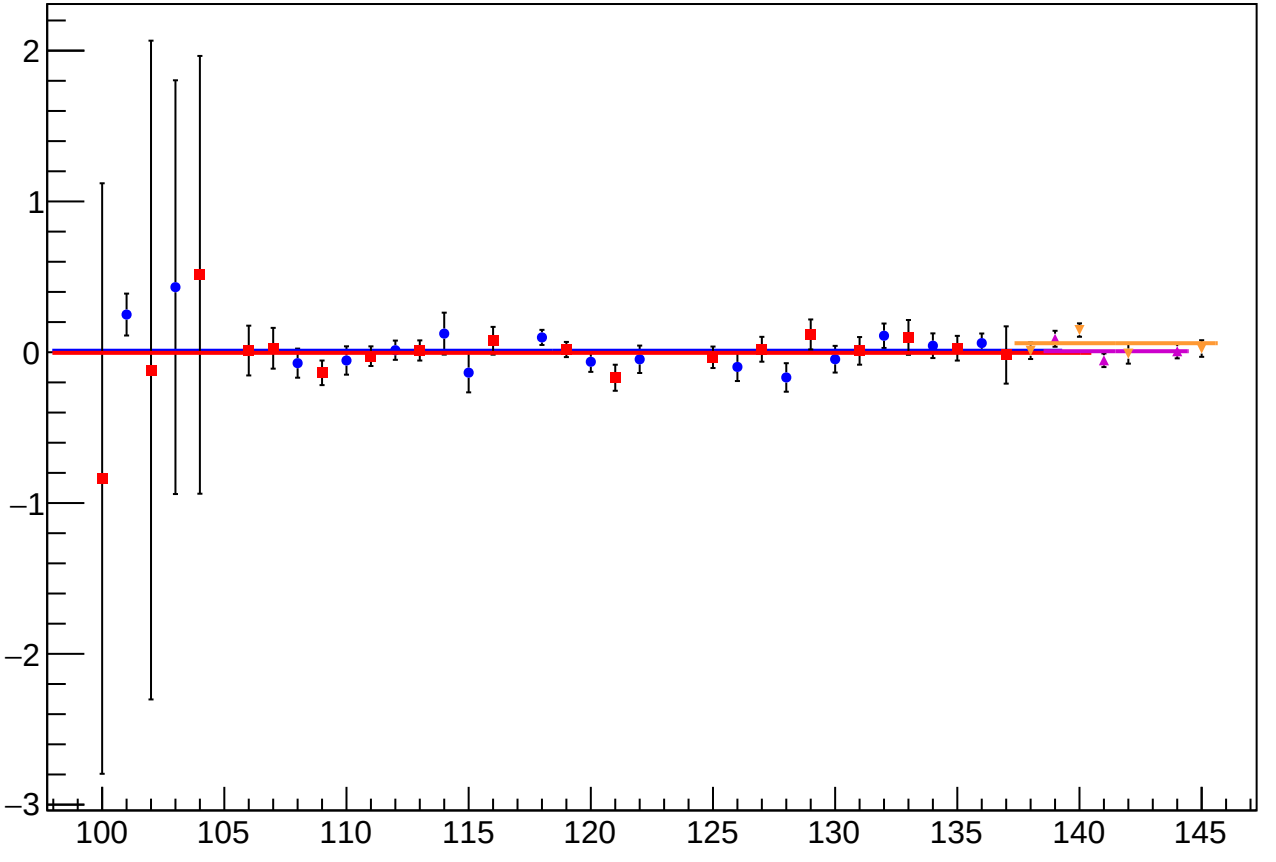
145
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:1023639.0/3
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:586114.4/2
+ sign 0.002+/-0.000 χ²/NDF: 7178442.0/19
All: 0.002+/-0.000 χ²/NDF: 13277323.2/40
- sign 0.002+/-0.000 χ²/NDF: 5448209.7/20

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

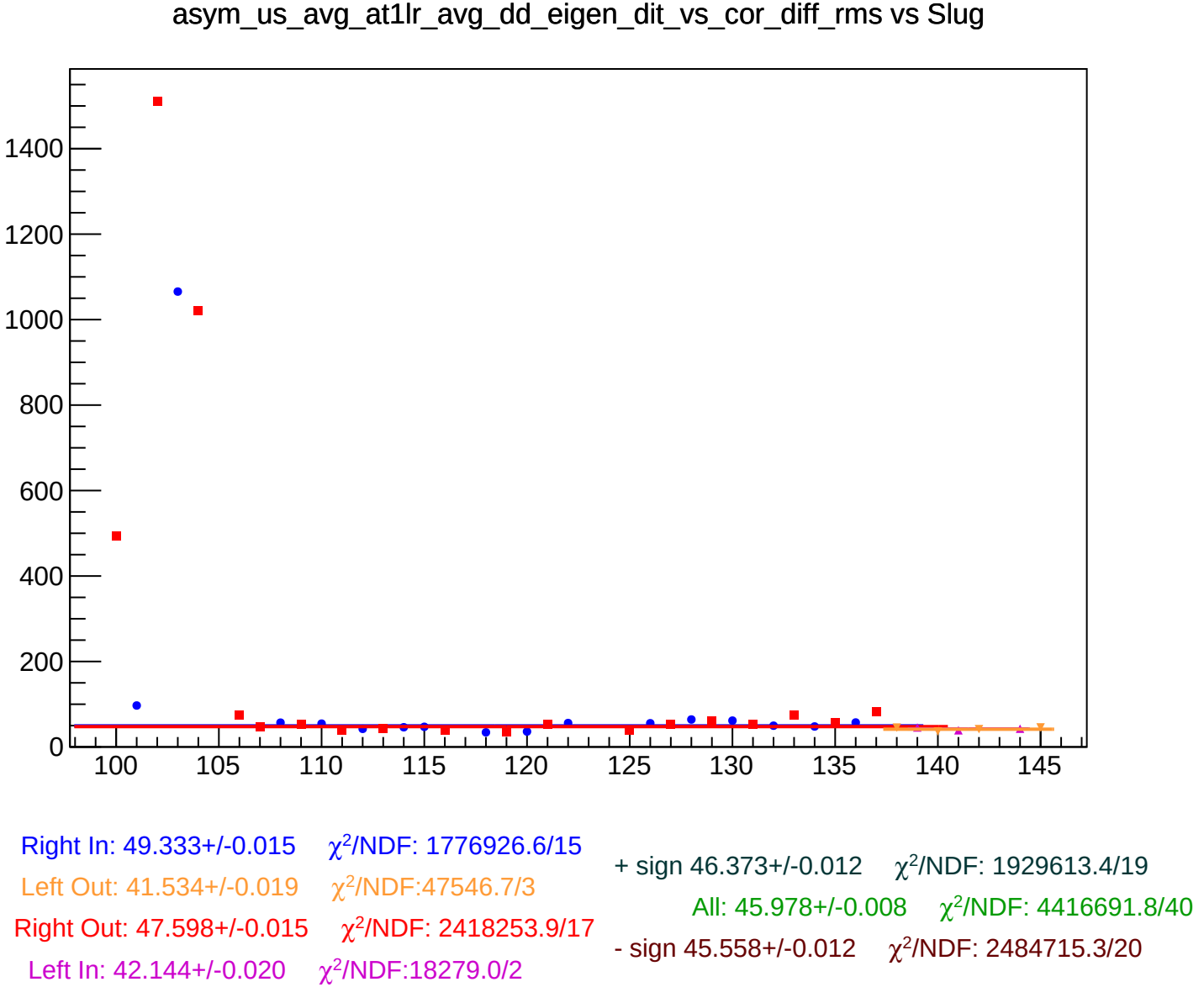
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.007+/-0.028 χ^2/NDF:4.2/2

+ sign 0.029+/-0.017 χ^2/NDF: 26.7/19

All: 0.015+/-0.012 χ^2/NDF: 43.0/40

- sign 0.000+/-0.017 χ^2/NDF: 14.8/20


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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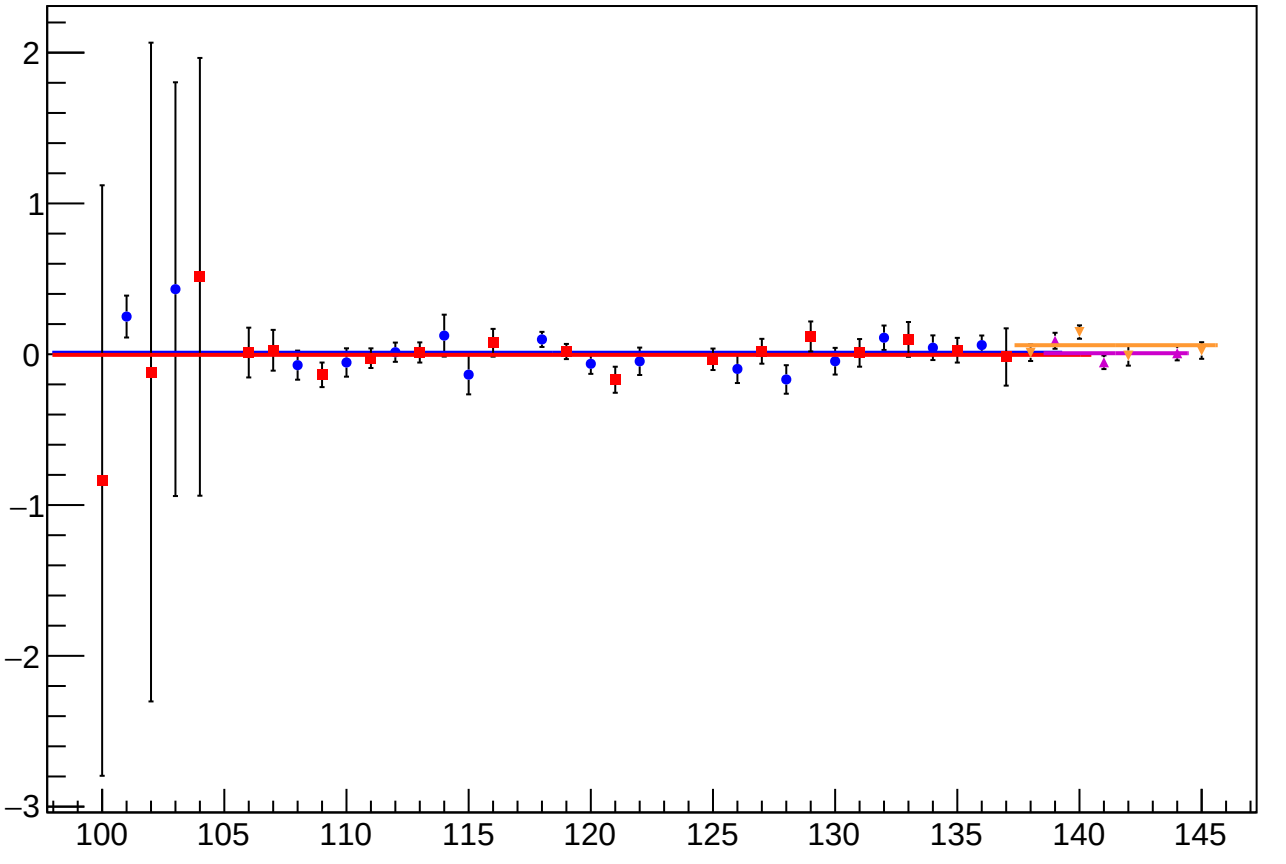
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 41.534+/-0.019 χ²/NDF:47546.7/3
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 42.144+/-0.020 χ²/NDF:18279.0/2
+ sign 46.373+/-0.012 χ²/NDF: 1929613.4/19
All: 45.978+/-0.008 χ²/NDF: 4416691.8/40
- sign 45.558+/-0.012 χ²/NDF: 2484715.3/20



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.060+/-0.027 χ^2/NDF:6.2/3

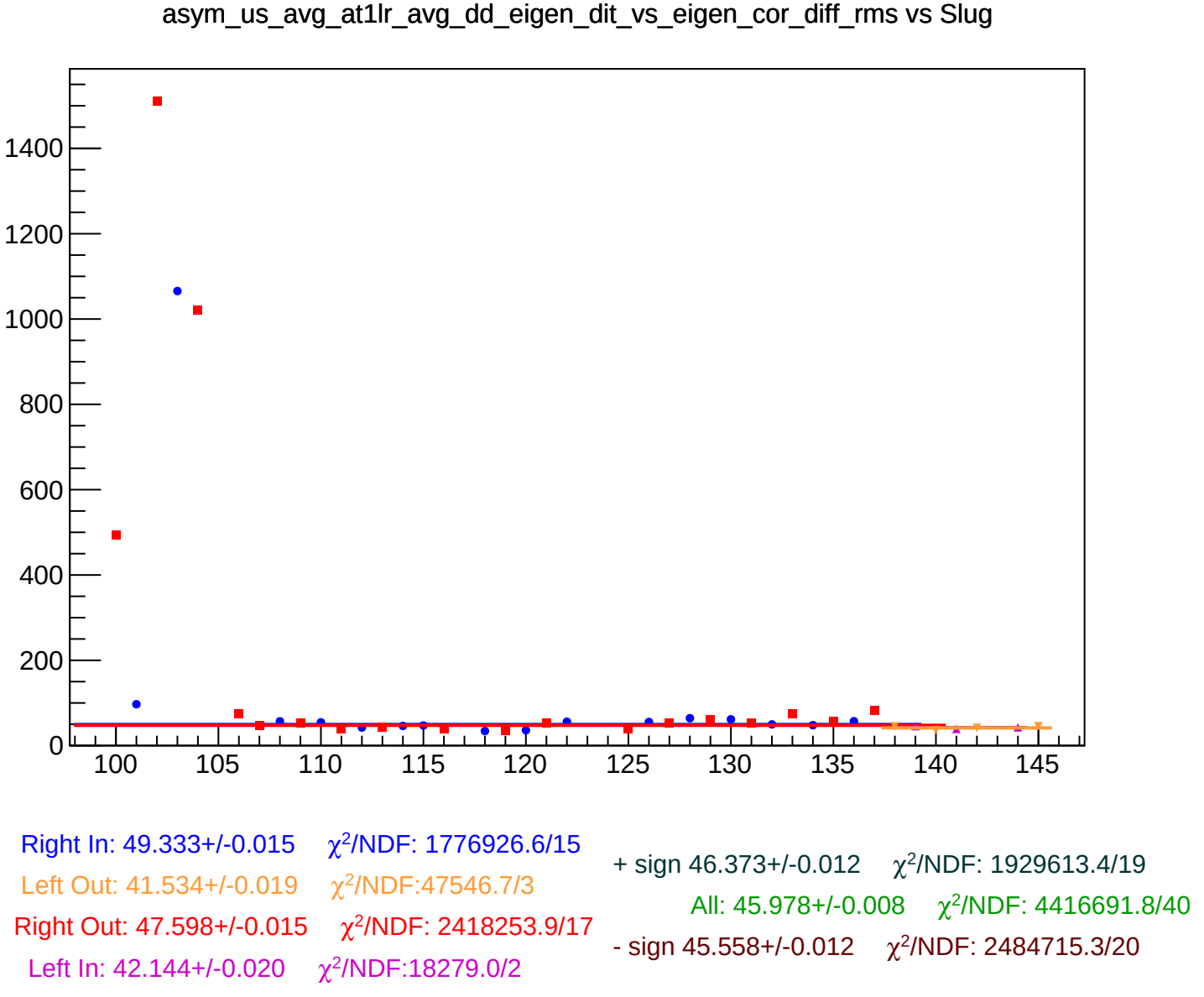
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.007+/-0.028 χ^2/NDF:4.2/2

+ sign 0.029+/-0.017 χ^2/NDF: 26.7/19

All: 0.015+/-0.012 χ^2/NDF: 43.0/40

- sign 0.000+/-0.017 χ^2/NDF: 14.8/20


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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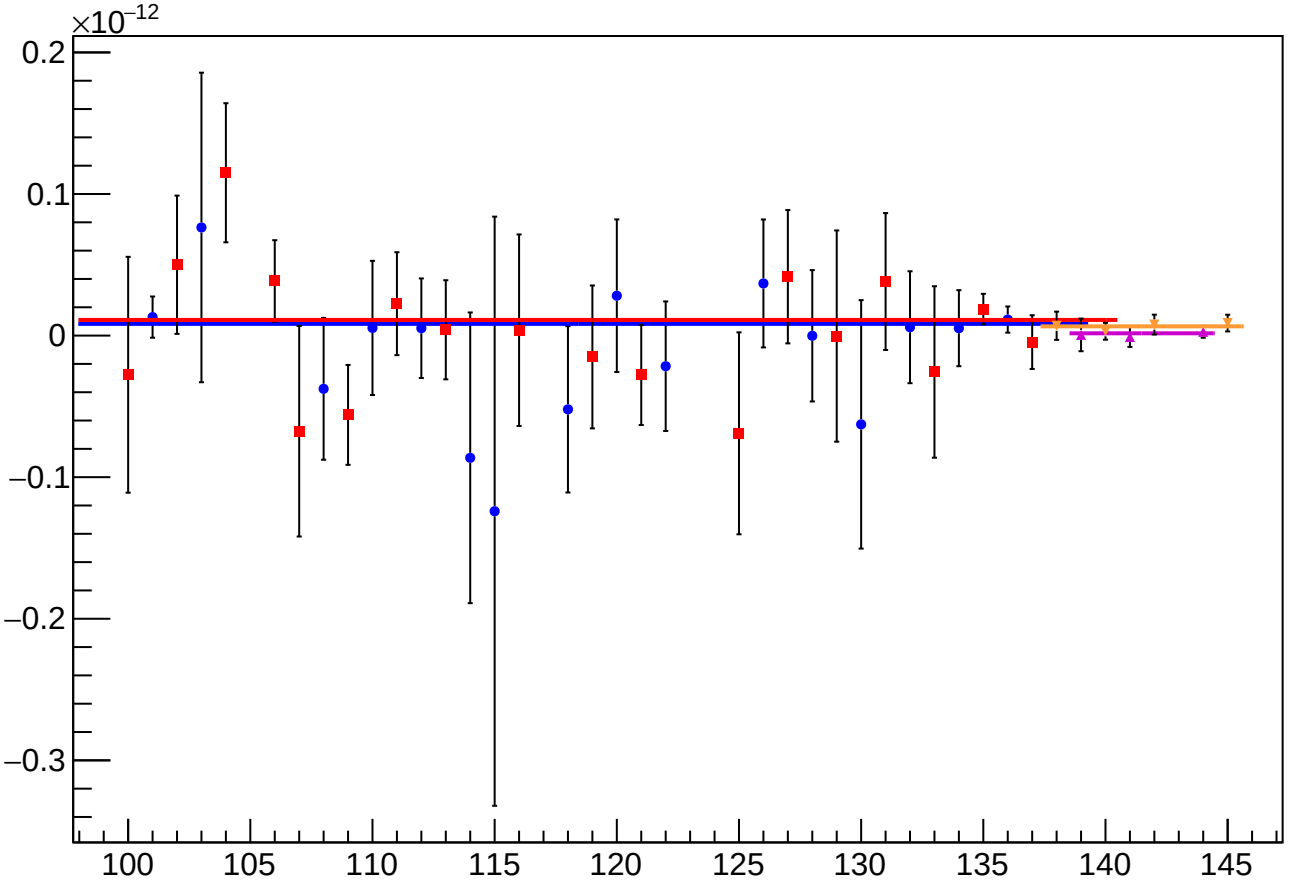
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 41.534+/-0.019 χ²/NDF:47546.7/3
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 42.144+/-0.020 χ²/NDF:18279.0/2
+ sign 46.373+/-0.012 χ²/NDF: 1929613.4/19
All: 45.978+/-0.008 χ²/NDF: 4416691.8/40
- sign 45.558+/-0.012 χ²/NDF: 2484715.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

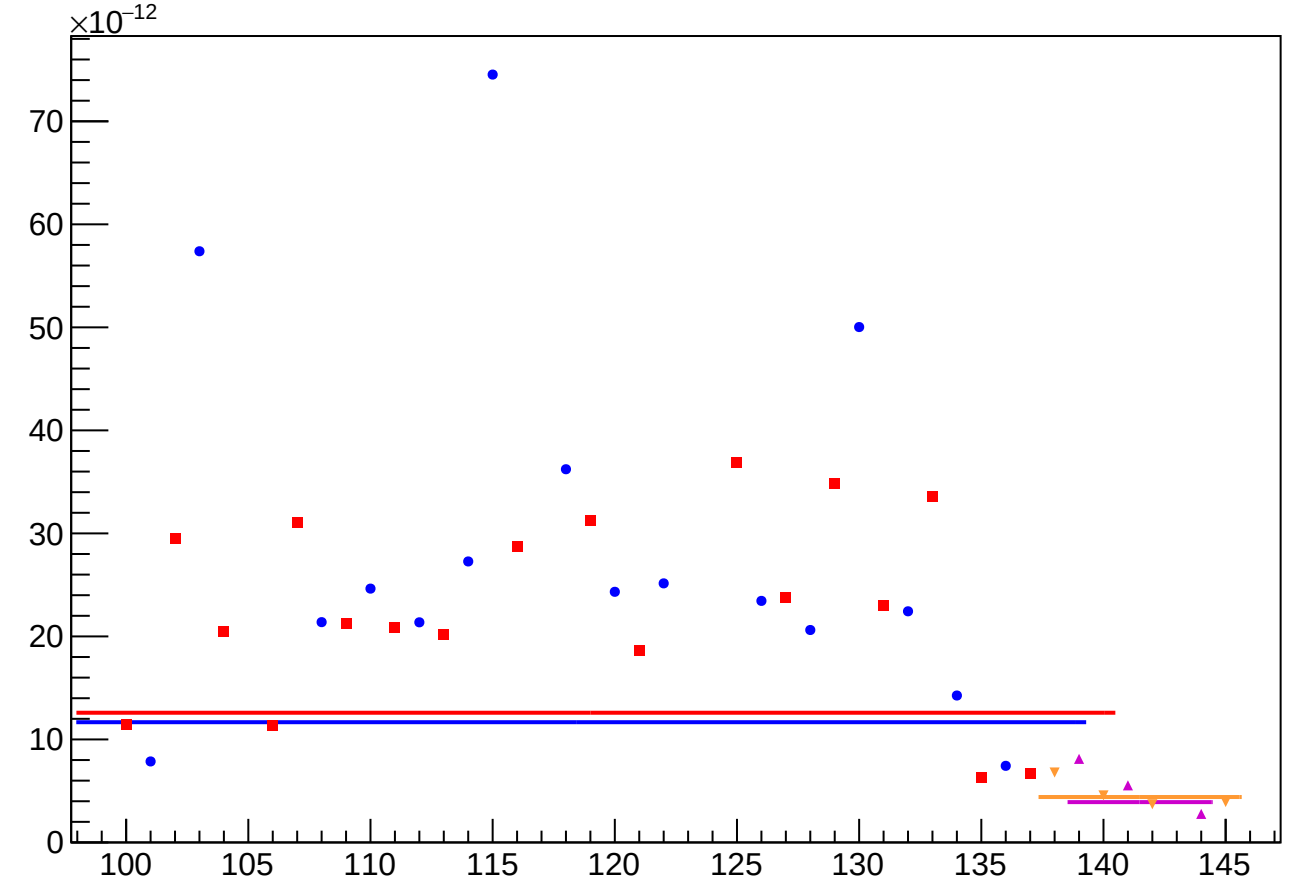
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 6.0/19

All: 0.000+/-0.000 χ^2/NDF: 24.5/40

- sign 0.000+/-0.000 χ^2/NDF: 17.8/20



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

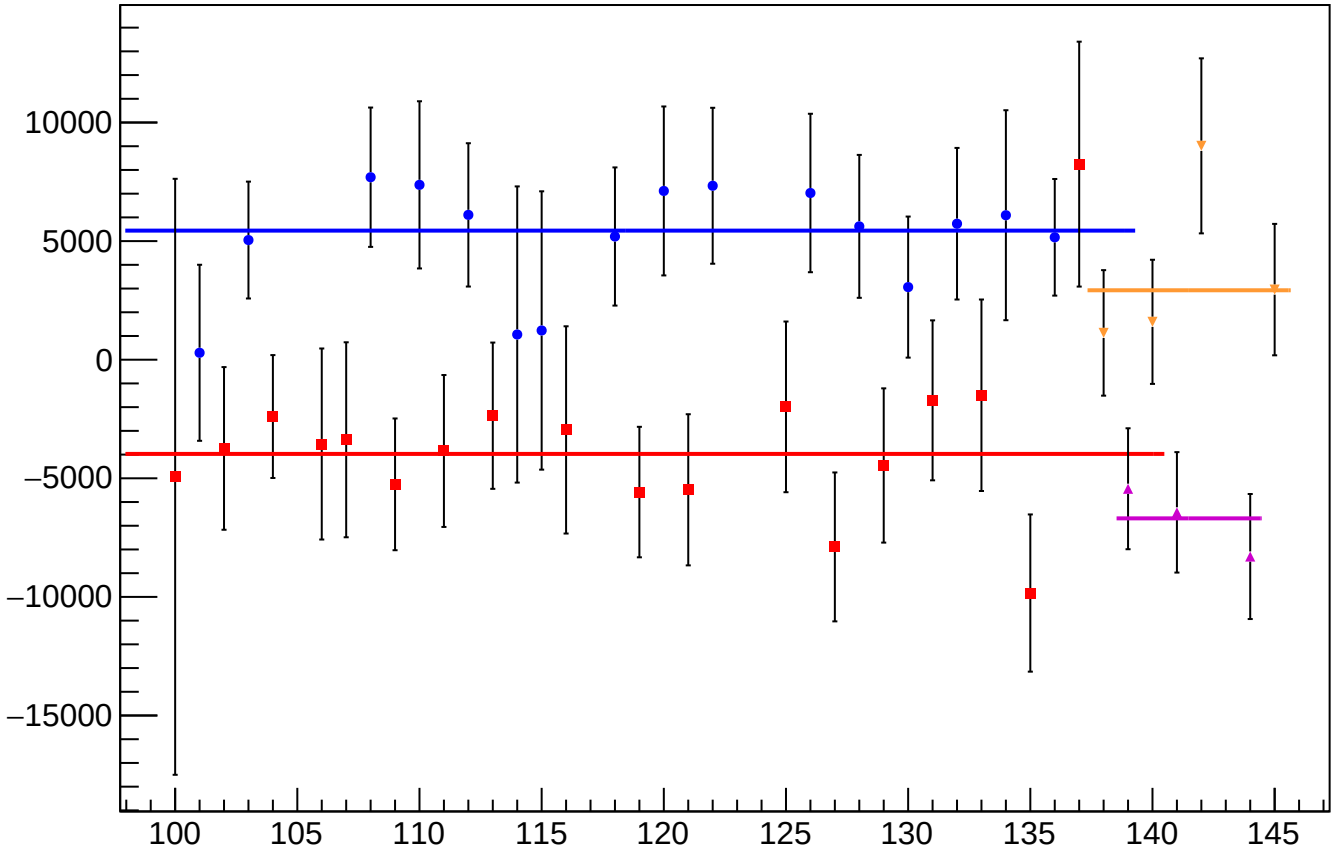
Left In: 0.000+/-0.000 χ^2/NDF:519824.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 4941358.8/19

All: 0.000+/-0.000 χ^2/NDF: 10748370.1/40

- sign 0.000+/-0.000 χ^2/NDF: 5791958.9/20

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

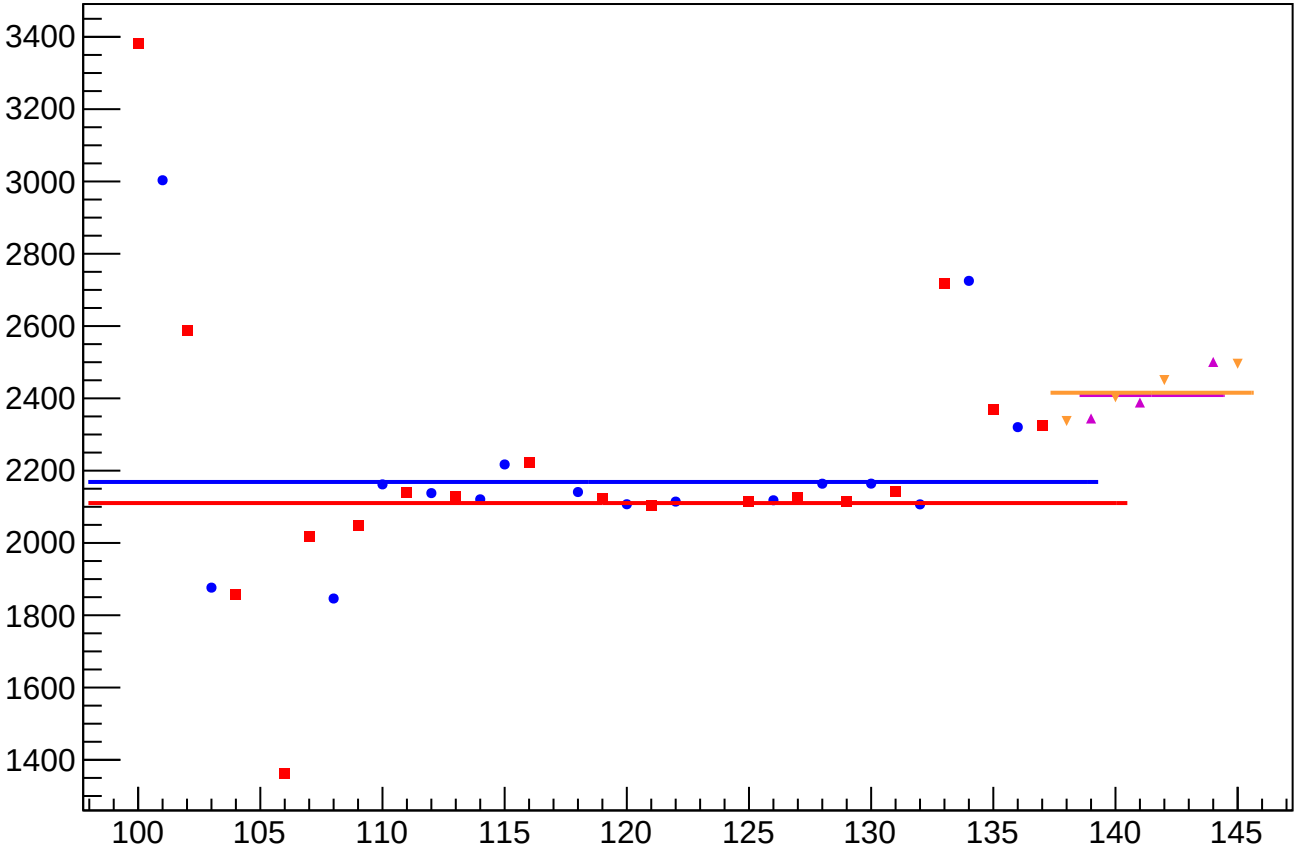
Left In: -6689.076+/-1485.910 χ^2/NDF:0.6/2

+ sign 4825.072+/-705.818 χ^2/NDF: 11.2/19

All: 147.359+/-500.748 χ^2/NDF: 115.8/40

- sign -4593.069+/-710.534 χ^2/NDF: 16.2/20

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

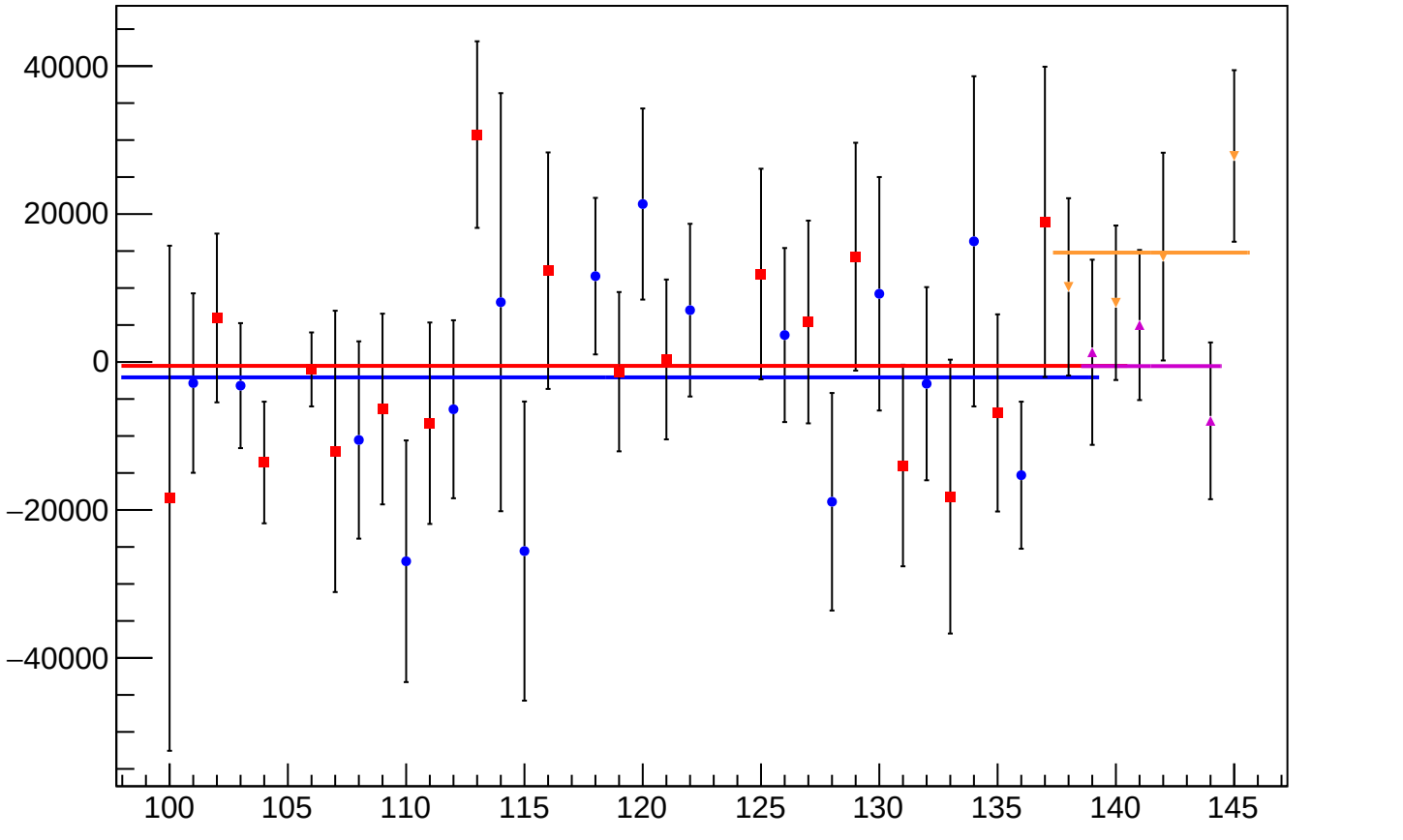
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2409.207+/-1.051 χ^2/NDF:3839.9/2

+ sign 2229.299+/-0.499 χ^2/NDF: 244613.7/19

All: 2203.011+/-0.352 χ^2/NDF: 584235.1/40

- sign 2177.024+/-0.496 χ^2/NDF: 334104.7/20



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 14787.711+/-5908.892 χ^2/NDF:1.8/3

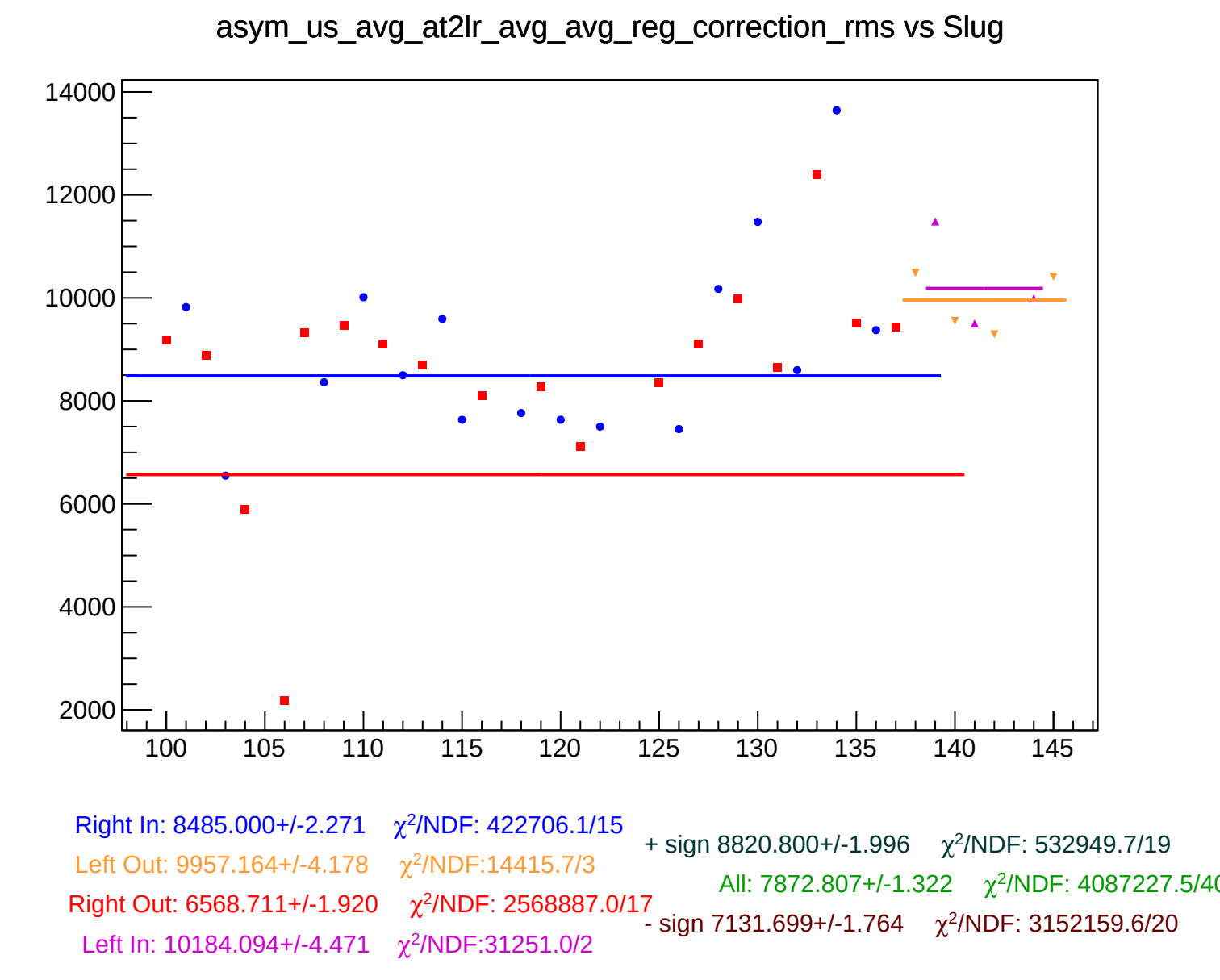
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

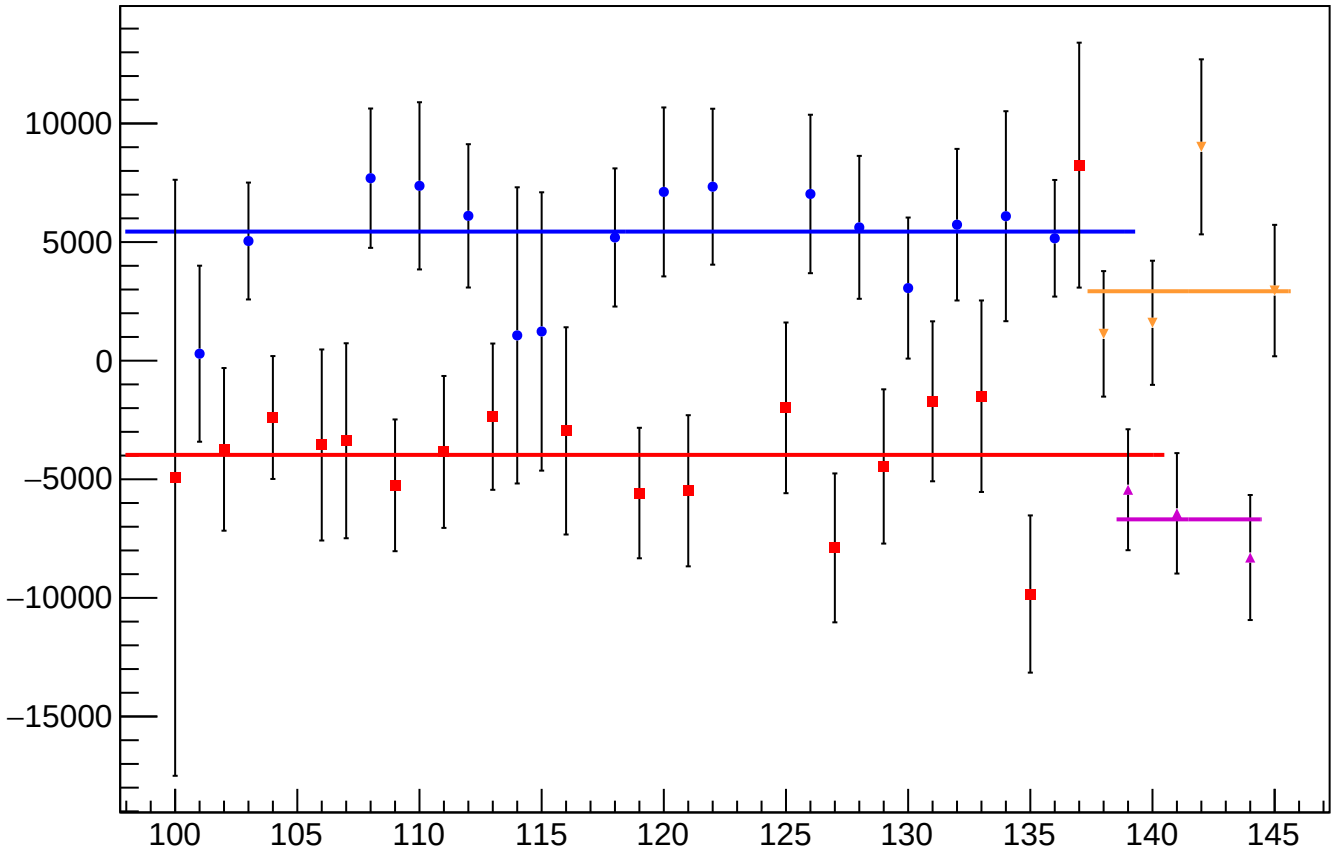
Left In: -554.439+/-6323.165 χ^2/NDF:0.8/2

+ sign 1771.504+/-2822.075 χ^2/NDF: 22.6/19

All: 481.719+/-1869.311 χ^2/NDF: 39.4/40

- sign -526.590+/-2495.209 χ^2/NDF: 16.5/20


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 9957.164+/-4.178 χ²/NDF:14415.7/3
Right Out: 6568.711+/-1.920 χ²/NDF: 2568887.0/17
Left In: 10184.094+/-4.471 χ²/NDF:31251.0/2
+ sign 8820.800+/-1.996 χ²/NDF: 532949.7/19
All: 7872.807+/-1.322 χ²/NDF: 4087227.5/40
- sign 7131.699+/-1.764 χ²/NDF: 3152159.6/20



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

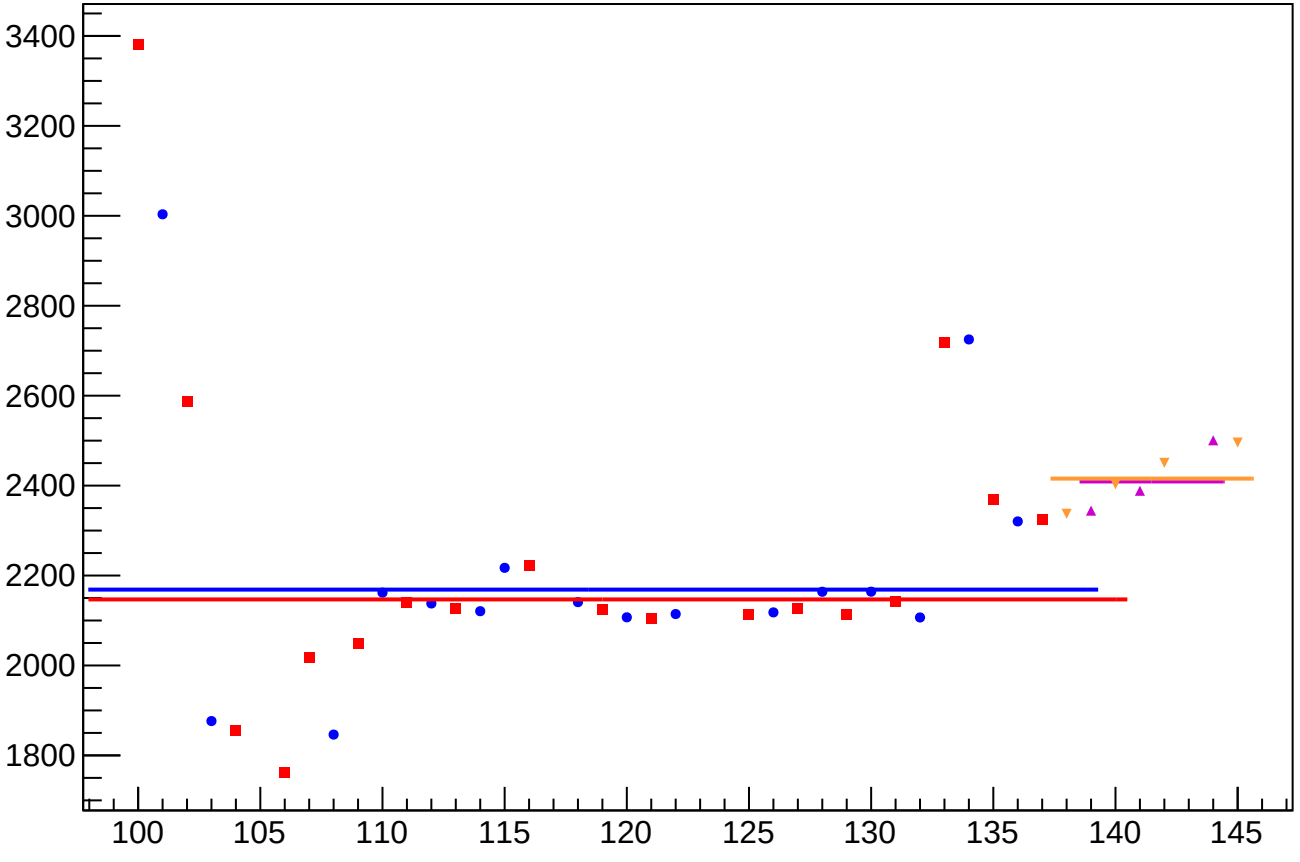
Left In: -6689.371+/-1485.910 χ^2/NDF:0.6/2

+ sign 4825.217+/-705.818 χ^2/NDF: 11.2/19

All: 147.498+/-500.748 χ^2/NDF: 115.8/40

- sign -4592.937+/-710.534 χ^2/NDF: 16.2/20

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

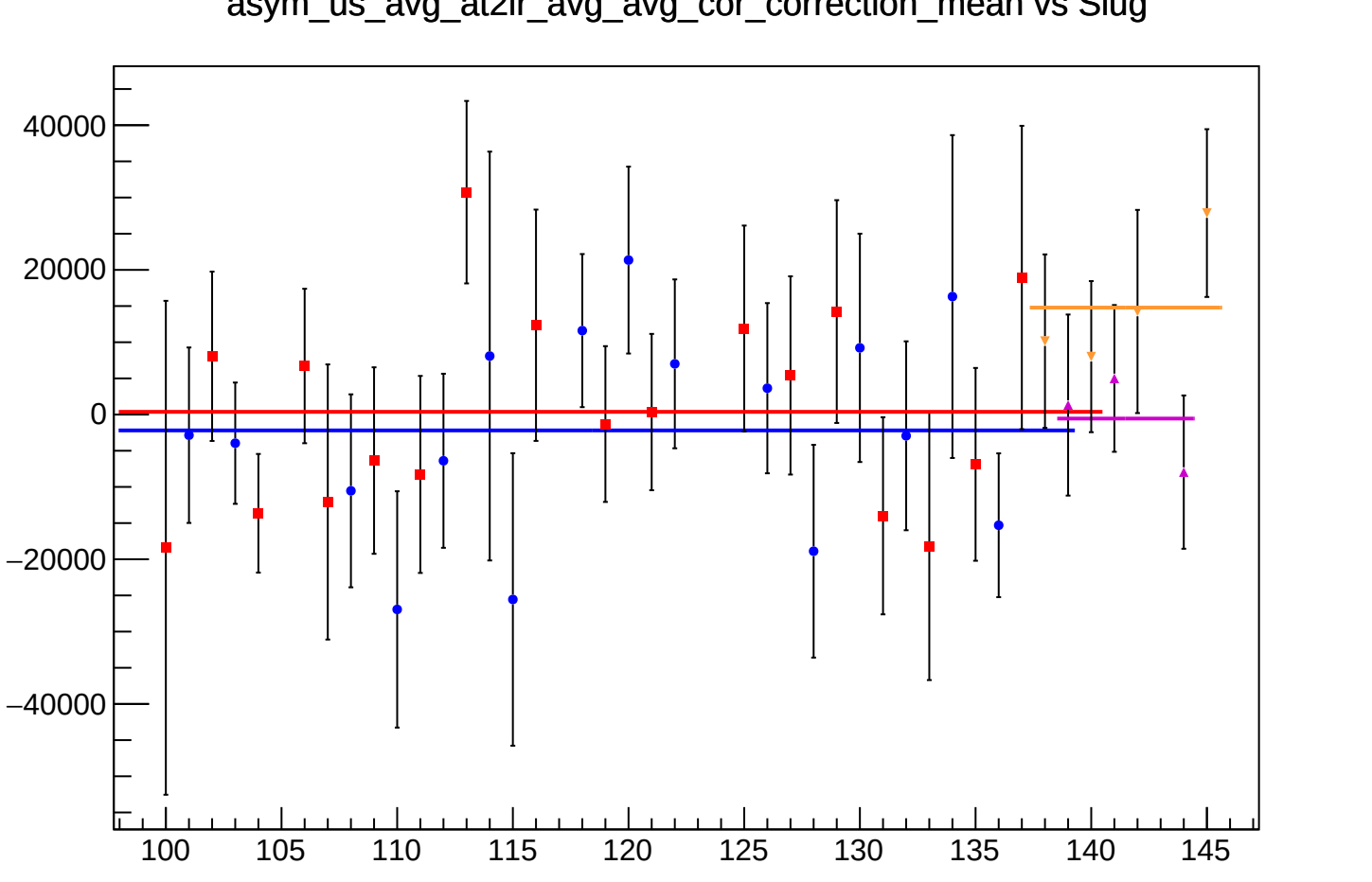
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2409.207+/-1.051 χ^2/NDF:3839.9/2

+ sign 2229.299+/-0.499 χ^2/NDF: 244614.1/19

All: 2217.886+/-0.353 χ^2/NDF: 455441.0/40

- sign 2206.410+/-0.500 χ^2/NDF: 209778.2/20



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 14787.806+/-5908.882 χ^2/NDF:1.8/3

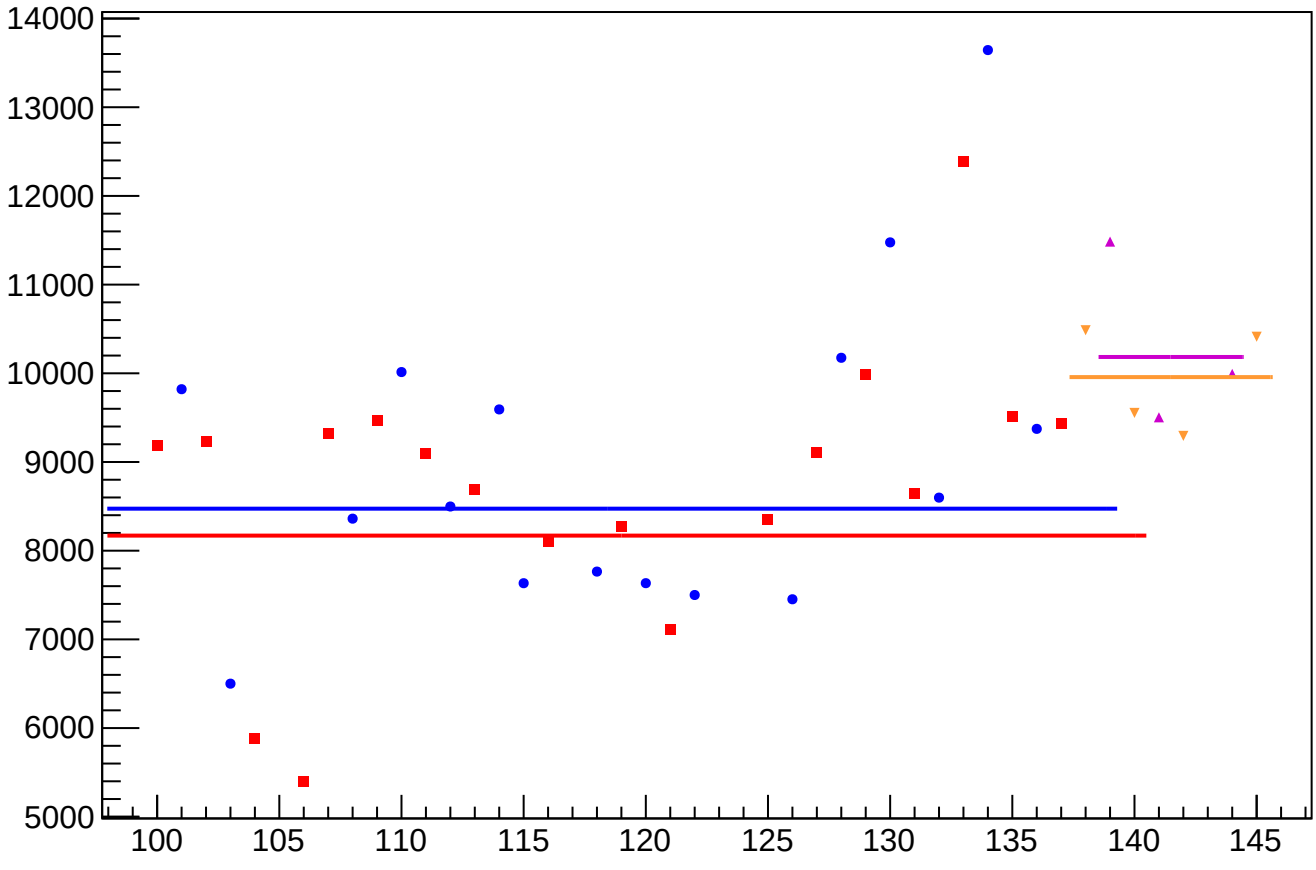
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -554.519+/-6323.159 χ^2/NDF:0.8/2

+ sign 1676.578+/-2819.653 χ^2/NDF: 22.7/19

All: 927.886+/-1980.872 χ^2/NDF: 39.9/40

- sign 198.298+/-2783.449 χ^2/NDF: 17.1/20



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9957.147+/-4.178 χ^2/NDF:14416.0/3

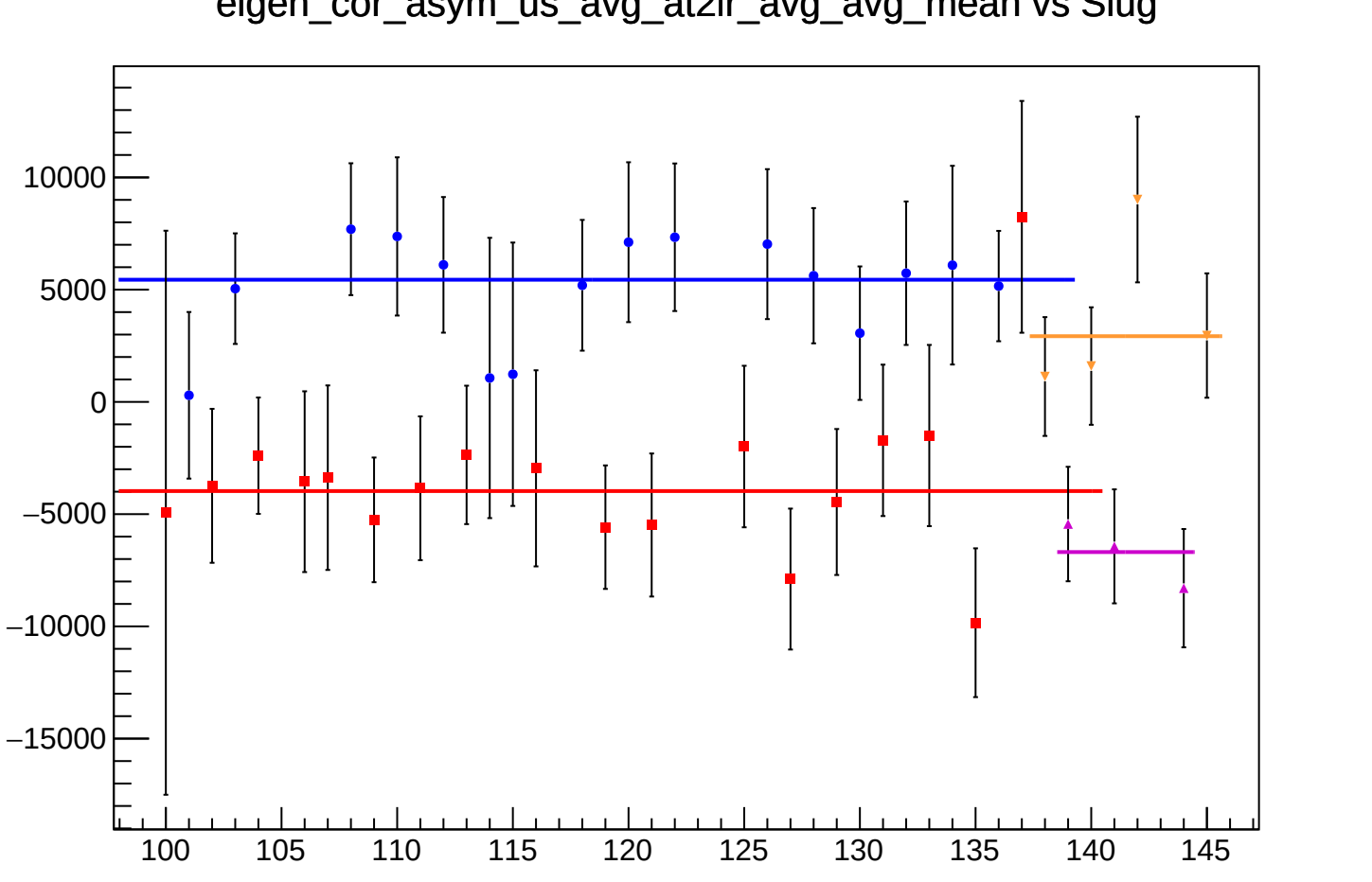
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10184.082+/-4.471 χ^2/NDF:31251.5/2

+ sign 8811.528+/-1.994 χ^2/NDF: 541309.4/19

All: 8684.291+/-1.401 χ^2/NDF: 1284119.3/40

- sign 8560.301+/-1.968 χ^2/NDF: 734768.7/20



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

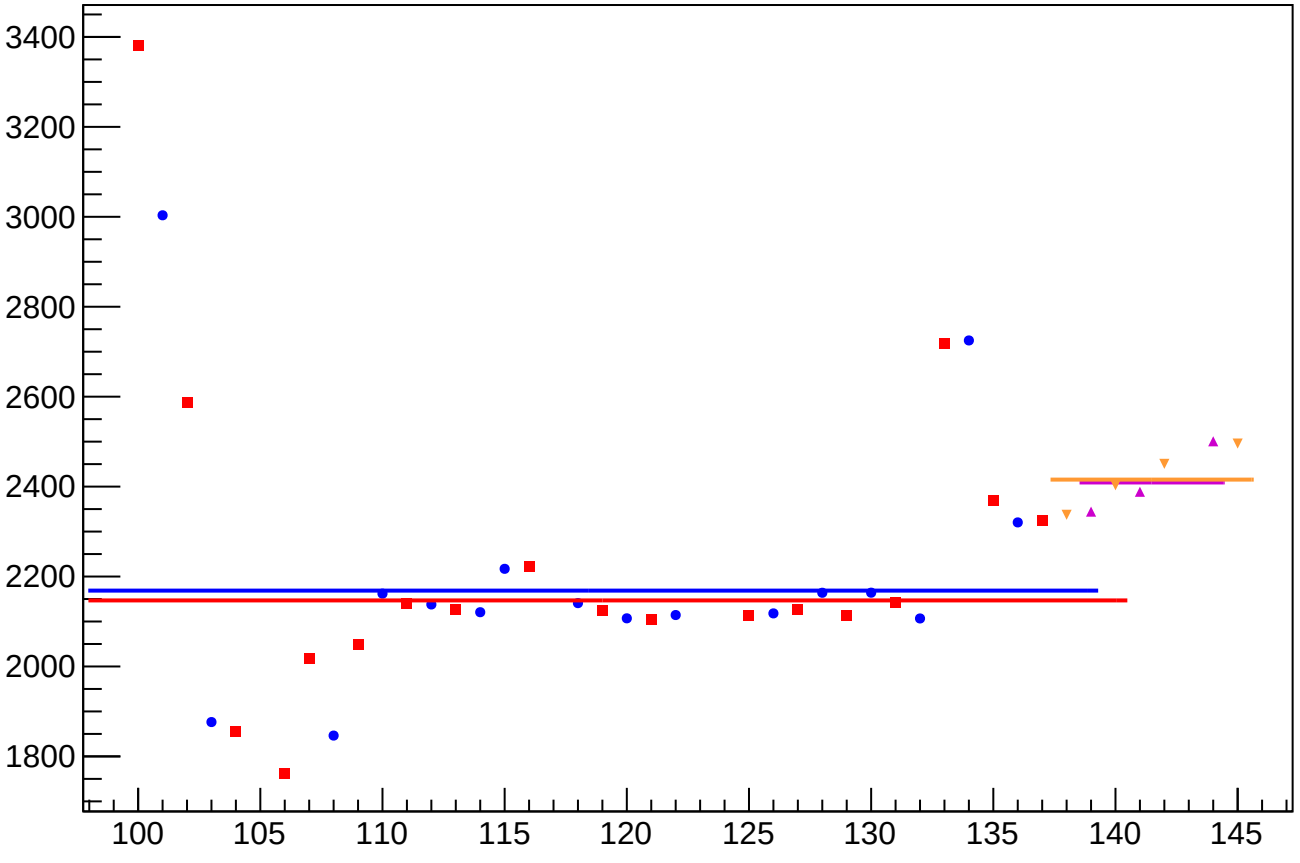
Left In: -6689.371+/-1485.910 χ^2/NDF:0.6/2

+ sign 4825.217+/-705.818 χ^2/NDF: 11.2/19

All: 147.498+/-500.748 χ^2/NDF: 115.8/40

- sign -4592.937+/-710.534 χ^2/NDF: 16.2/20

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

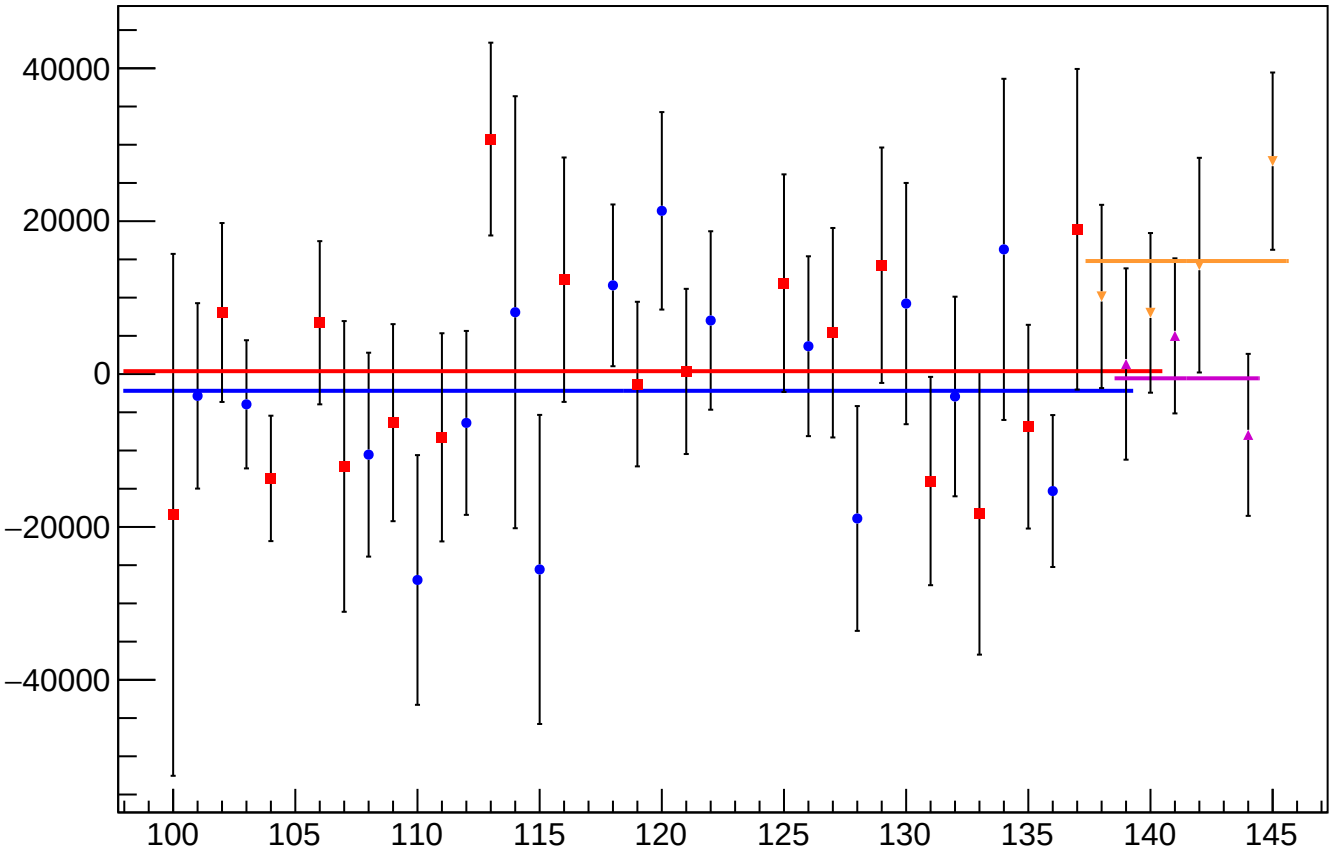
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2409.207+/-1.051 χ^2/NDF:3839.9/2

+ sign 2229.299+/-0.499 χ^2/NDF: 244614.1/19

All: 2217.886+/-0.353 χ^2/NDF: 455441.0/40

- sign 2206.410+/-0.500 χ^2/NDF: 209778.2/20



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 14787.806+/-5908.882 χ^2/NDF:1.8/3

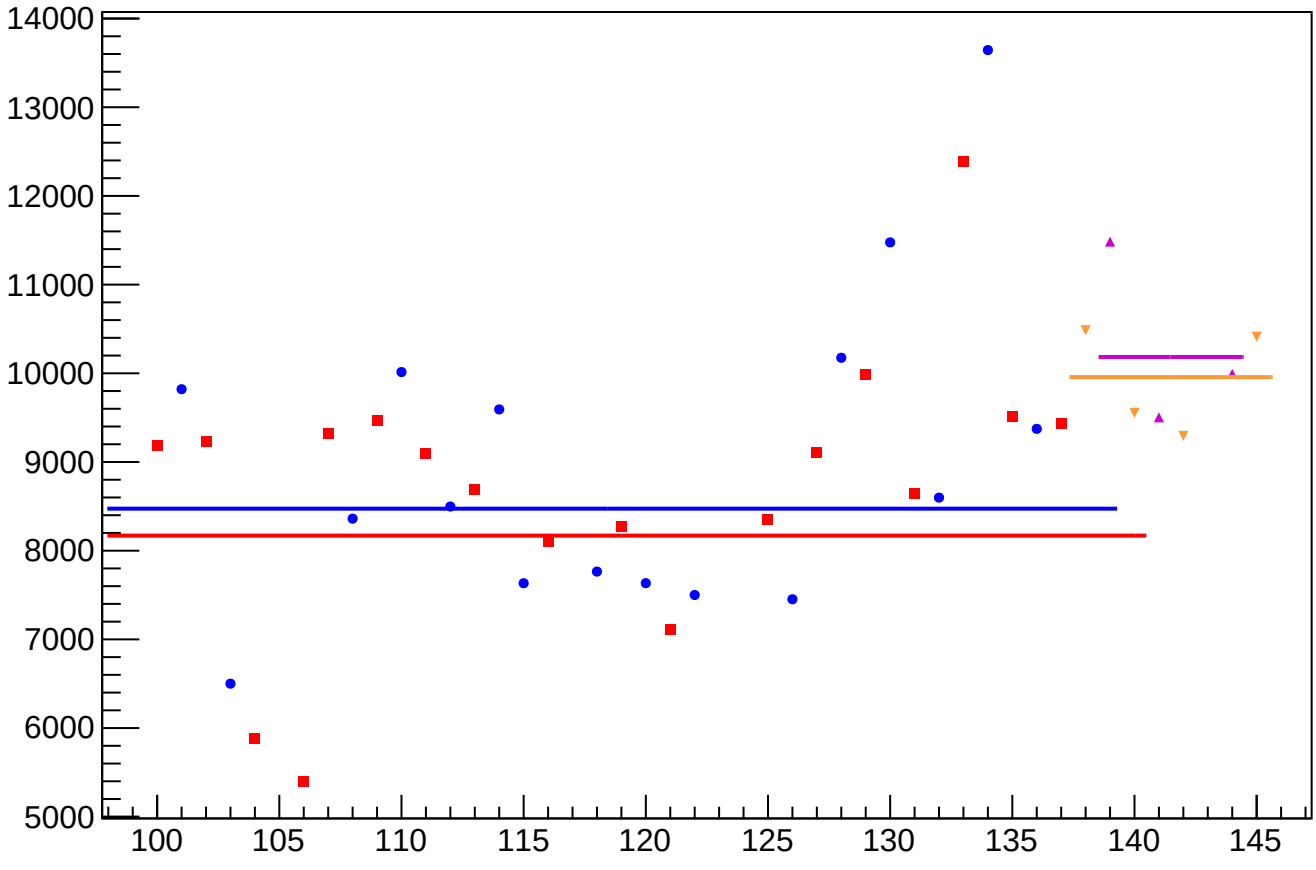
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -554.519+/-6323.159 χ^2/NDF:0.8/2

+ sign 1676.578+/-2819.653 χ^2/NDF: 22.7/19

All: 927.886+/-1980.872 χ^2/NDF: 39.9/40

- sign 198.298+/-2783.449 χ^2/NDF: 17.1/20



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

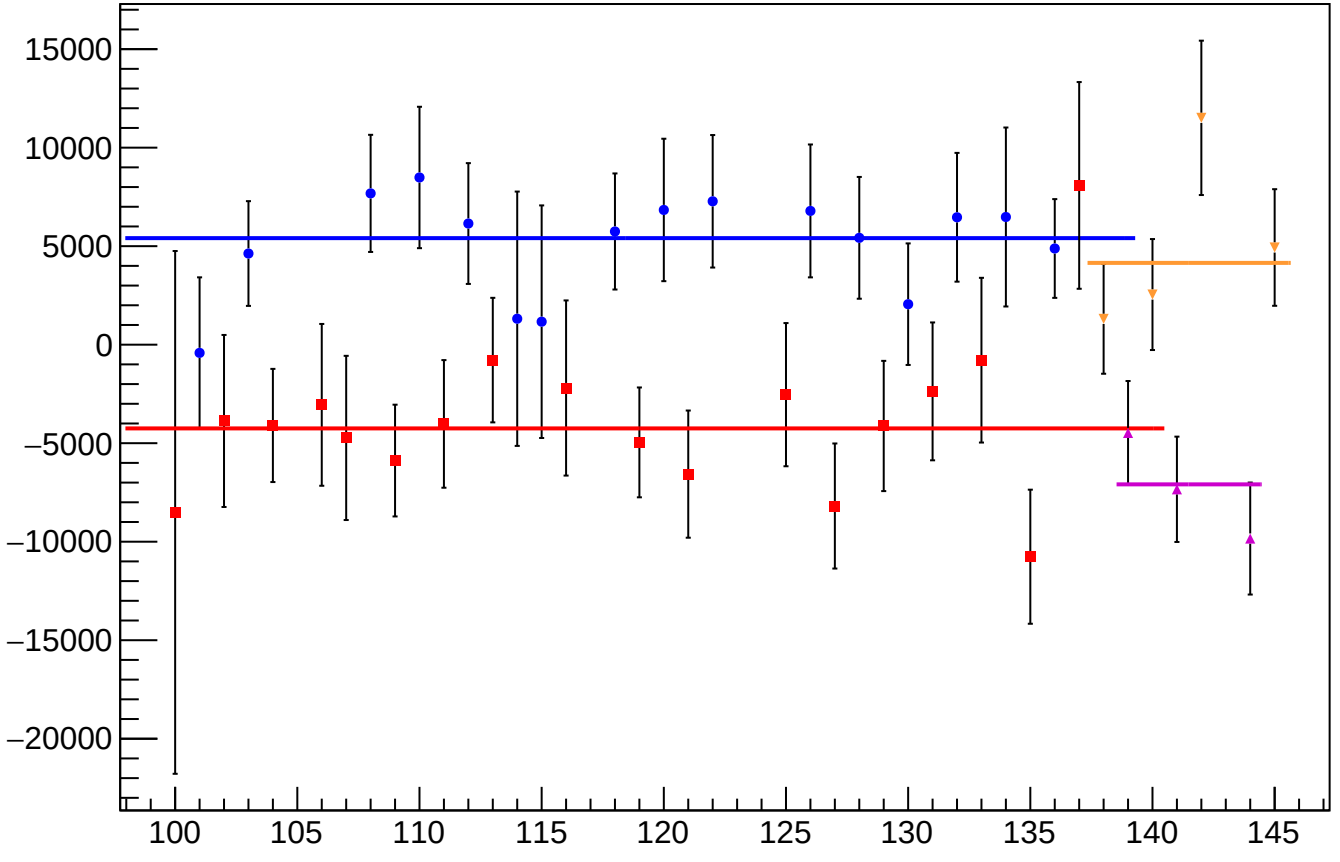
Left In: 10184.082+/-4.471 χ^2/NDF:31251.5/2

+ sign 8811.528+/-1.994 χ^2/NDF: 541309.4/19

All: 8684.291+/-1.401 χ^2/NDF: 1284119.3/40

- sign 8560.301+/-1.968 χ^2/NDF: 734768.7/20

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



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

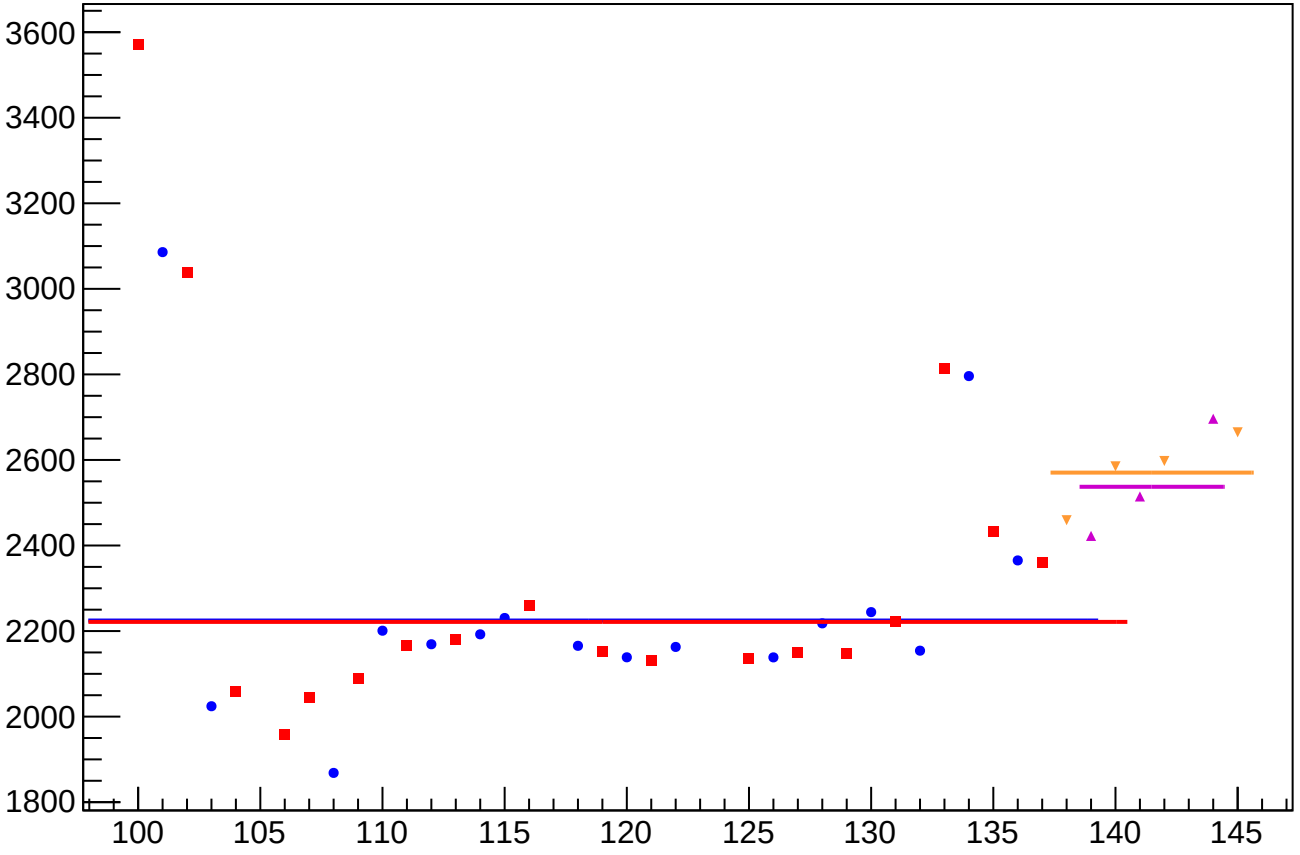
Left In: -7089.692+/-1566.182 χ^2/NDF:1.9/2

+ sign 5116.448+/-730.658 χ^2/NDF: 12.2/19

All: 178.615+/-519.854 χ^2/NDF: 123.7/40

- sign -4883.516+/-739.797 χ^2/NDF: 19.0/20

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

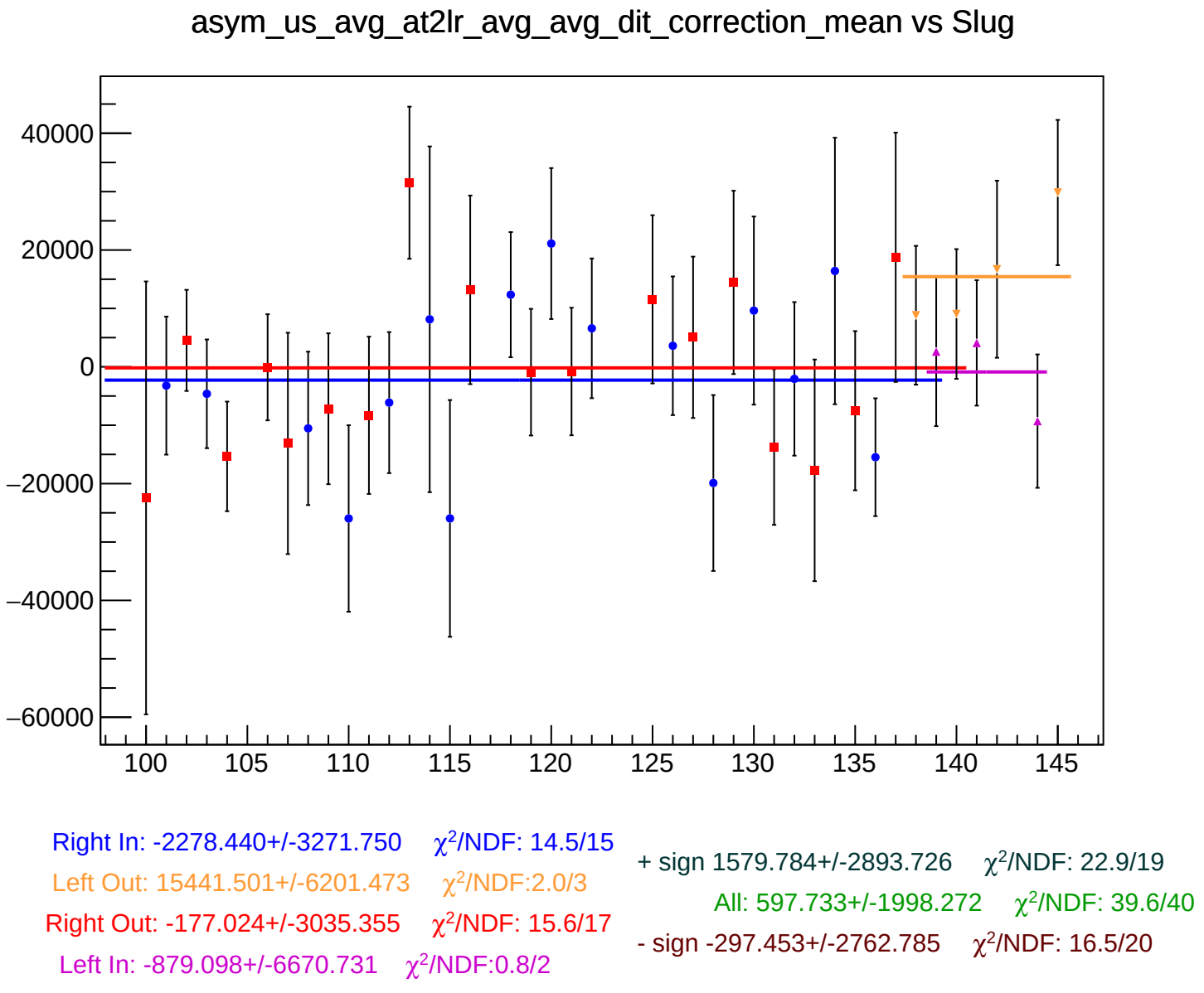
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

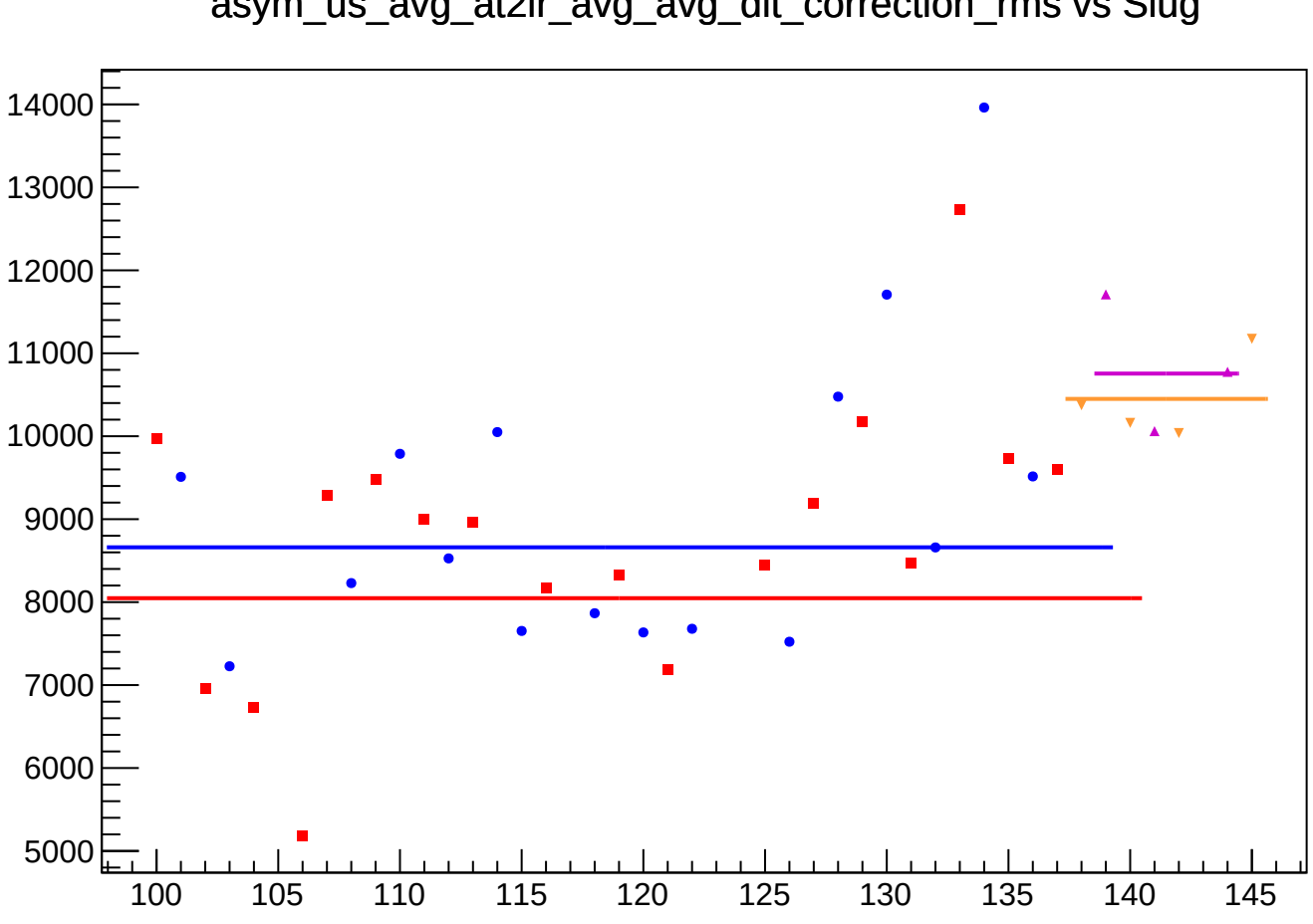
Left In: 2537.278+/-1.107 χ^2/NDF:10204.4/2

+ sign 2304.808+/-0.517 χ^2/NDF: 269852.6/19

All: 2298.397+/-0.368 χ^2/NDF: 513523.1/40

- sign 2291.831+/-0.523 χ^2/NDF: 243358.9/20


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
105
110
115
120
125
130
135
140
145
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: 15441.501+/-6201.473 χ²/NDF:2.0/3
Right Out: -177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: -879.098+/-6670.731 χ²/NDF:0.8/2
+ sign 1579.784+/-2893.726 χ²/NDF: 22.9/19
All: 597.733+/-1998.272 χ²/NDF: 39.6/40
- sign -297.453+/-2762.785 χ²/NDF: 16.5/20



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10450.109+/-4.385 χ^2/NDF:9701.1/3

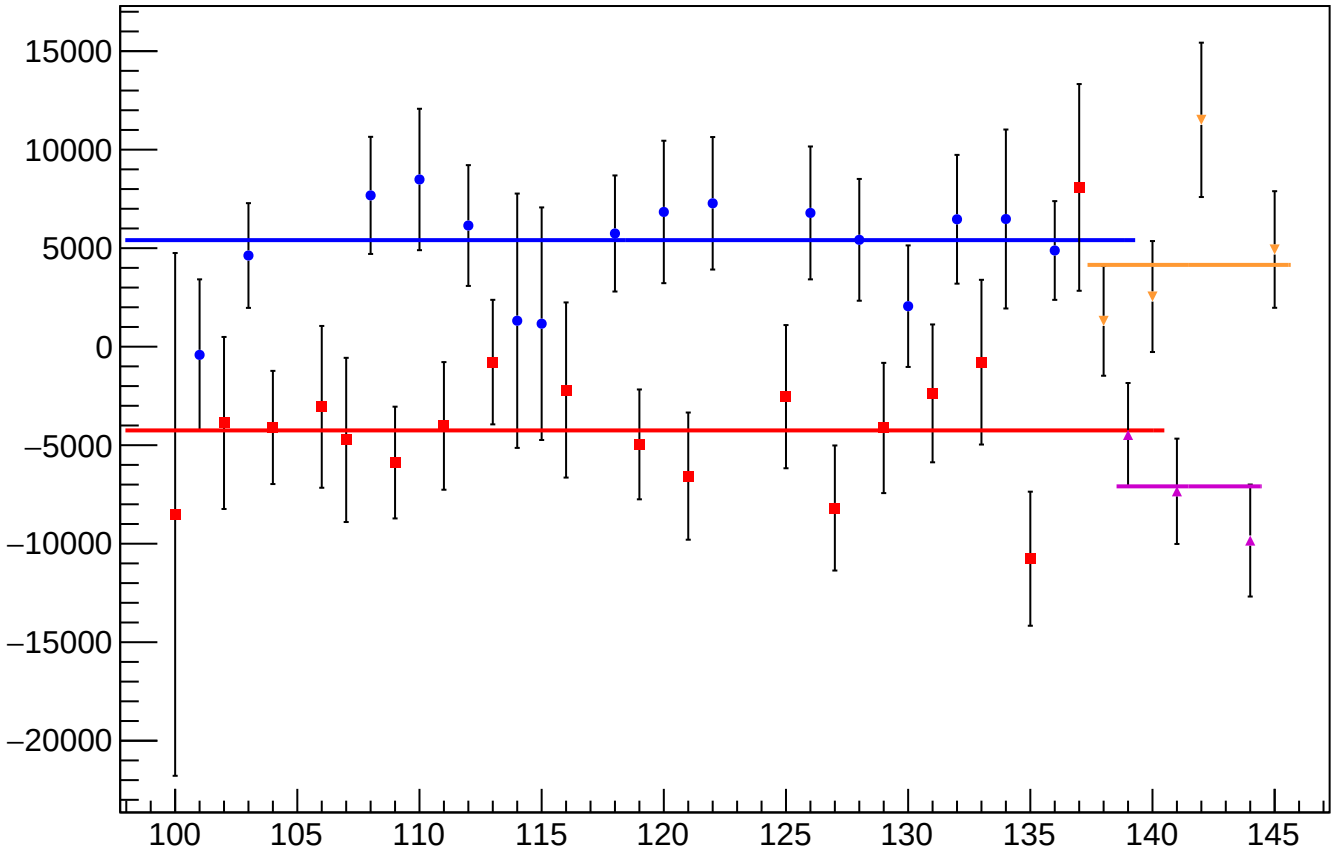
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10755.255+/-4.717 χ^2/NDF:19537.7/2

+ sign 9050.340+/-2.046 χ^2/NDF: 497919.3/19

All: 8768.681+/-1.413 χ^2/NDF: 1385253.7/40

- sign 8511.936+/-1.954 χ^2/NDF: 851114.6/20



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

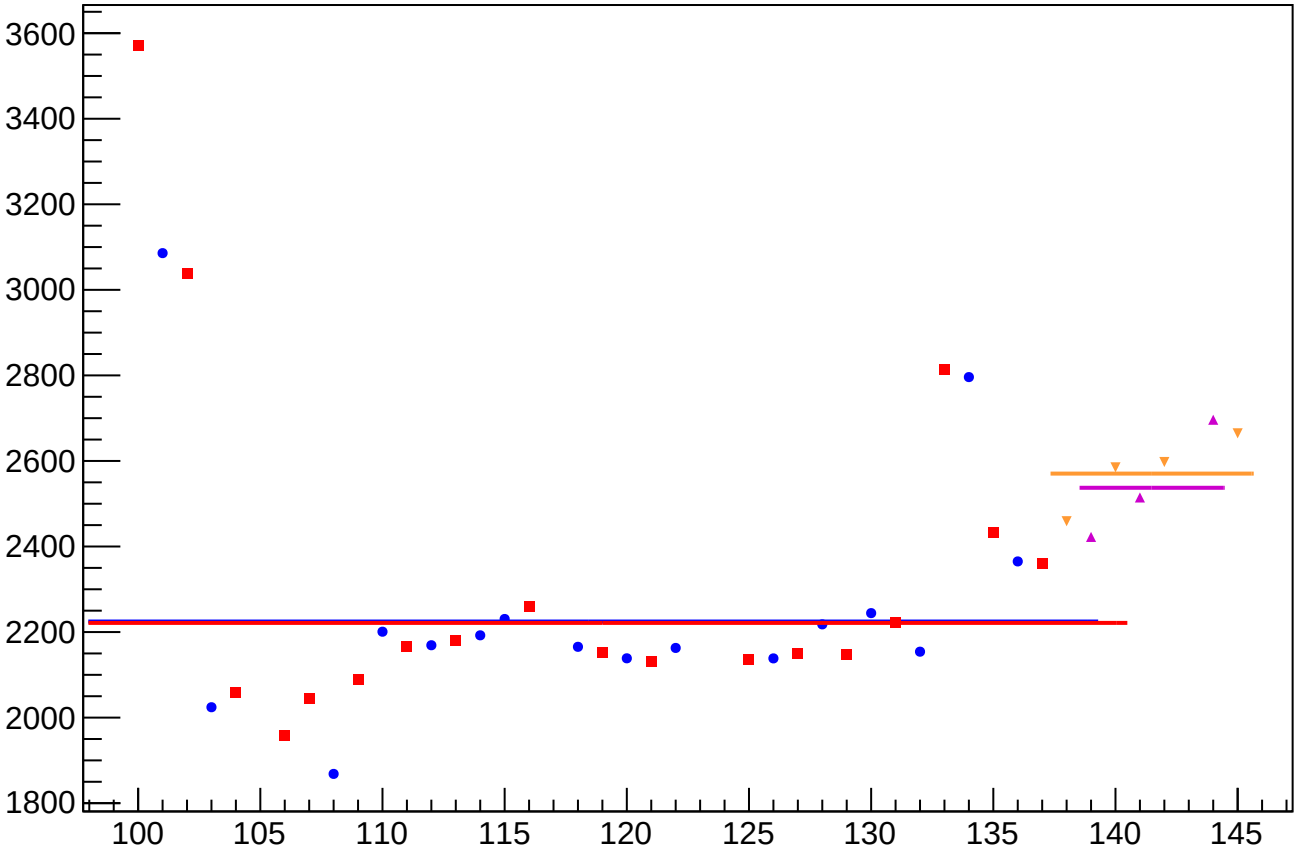
Left In: -7089.678+/-1566.184 χ^2/NDF:1.9/2

+ sign 5116.458+/-730.658 χ^2/NDF: 12.2/19

All: 178.620+/-519.854 χ^2/NDF: 123.7/40

- sign -4883.515+/-739.797 χ^2/NDF: 19.0/20

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

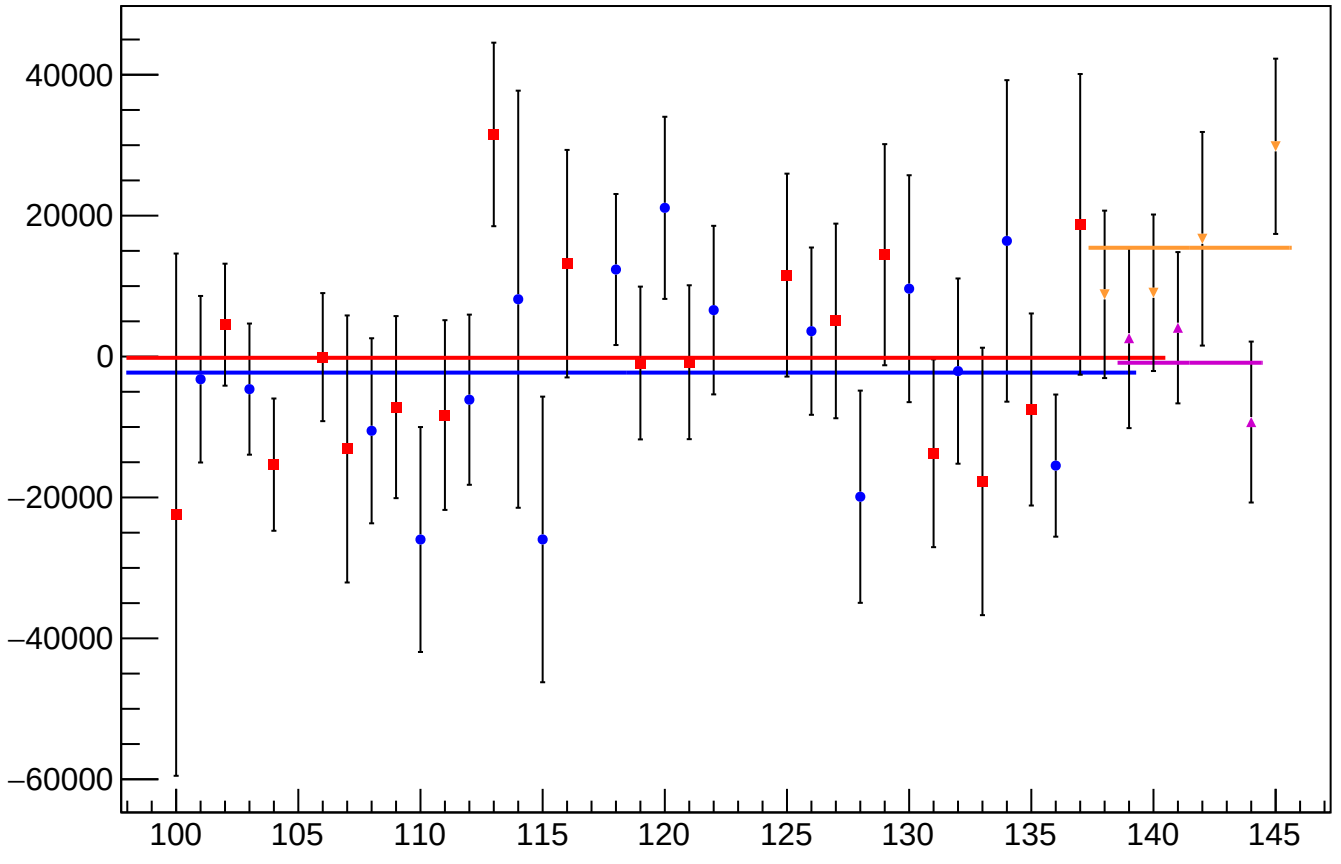
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2537.281+/-1.107 χ^2/NDF:10204.6/2

+ sign 2304.808+/-0.517 χ^2/NDF: 269854.8/19

All: 2298.397+/-0.368 χ^2/NDF: 513526.9/40

- sign 2291.831+/-0.523 χ^2/NDF: 243360.5/20



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

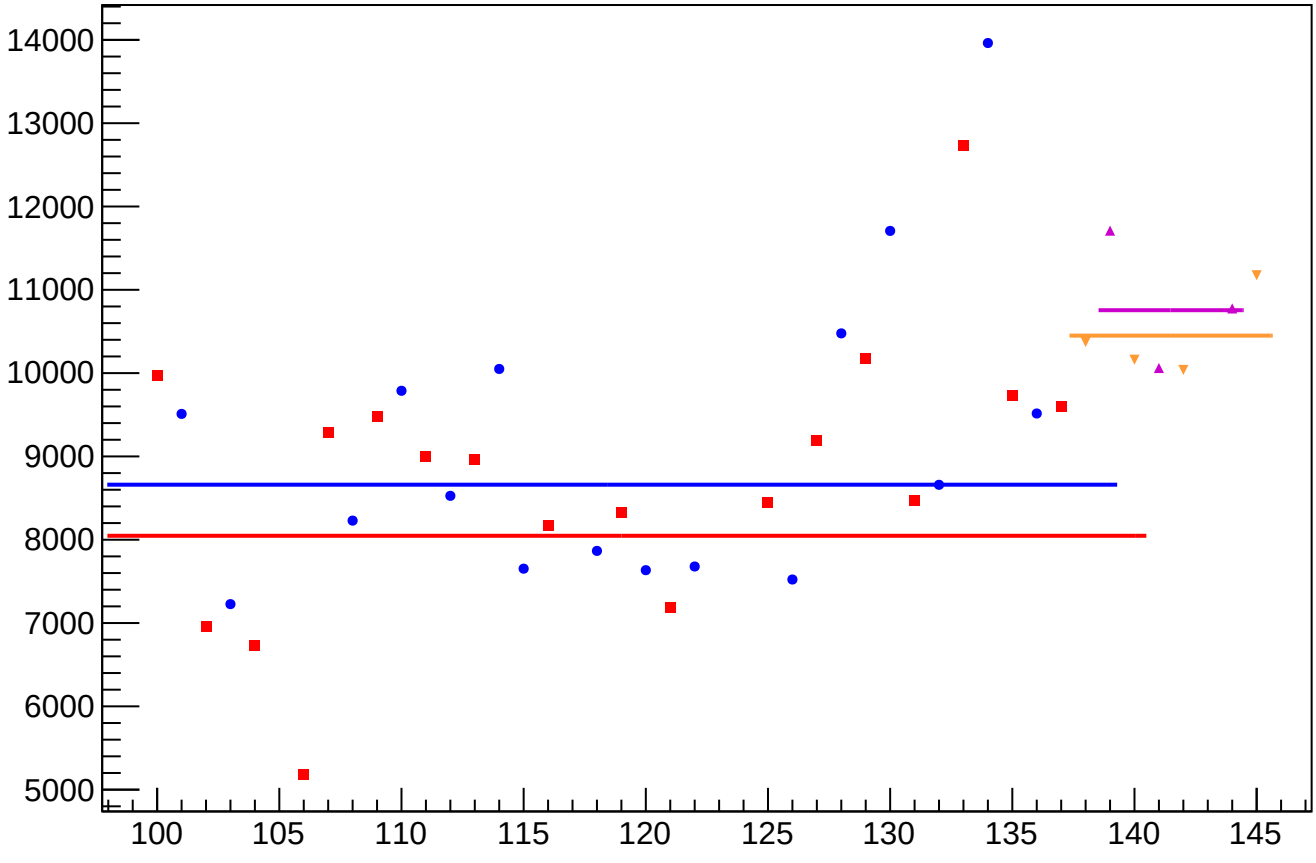
Left In: -879.087+/-6670.742 χ^2/NDF:0.8/2

+ sign 1579.784+/-2893.722 χ^2/NDF: 22.9/19

All: 597.732+/-1998.269 χ^2/NDF: 39.6/40

- sign -297.454+/-2762.781 χ^2/NDF: 16.5/20

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

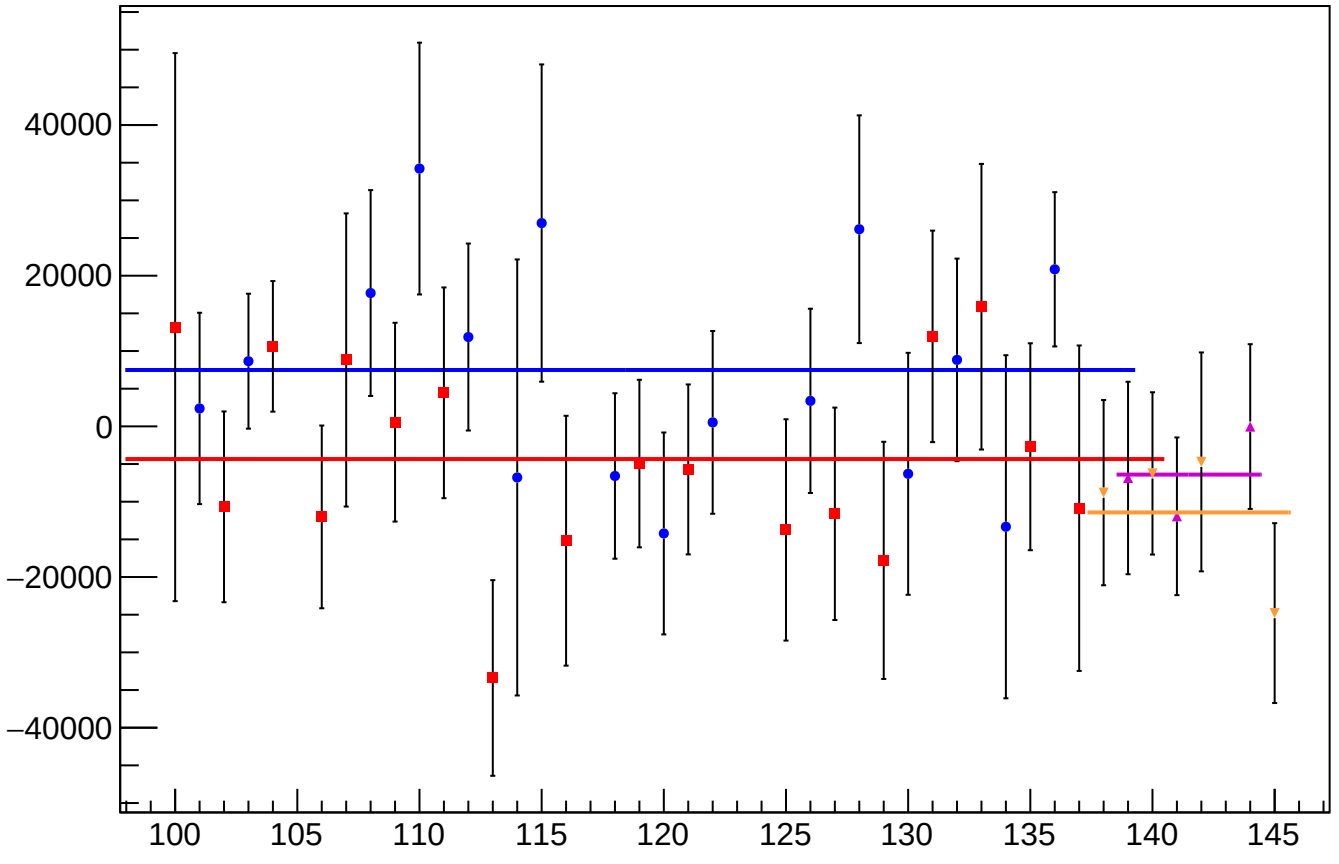
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10755.273+/-4.717 χ^2/NDF:19538.2/2

+ sign 9050.325+/-2.046 χ^2/NDF: 497927.5/19

All: 8768.666+/-1.413 χ^2/NDF: 1385267.4/40

- sign 8511.921+/-1.954 χ^2/NDF: 851120.0/20



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

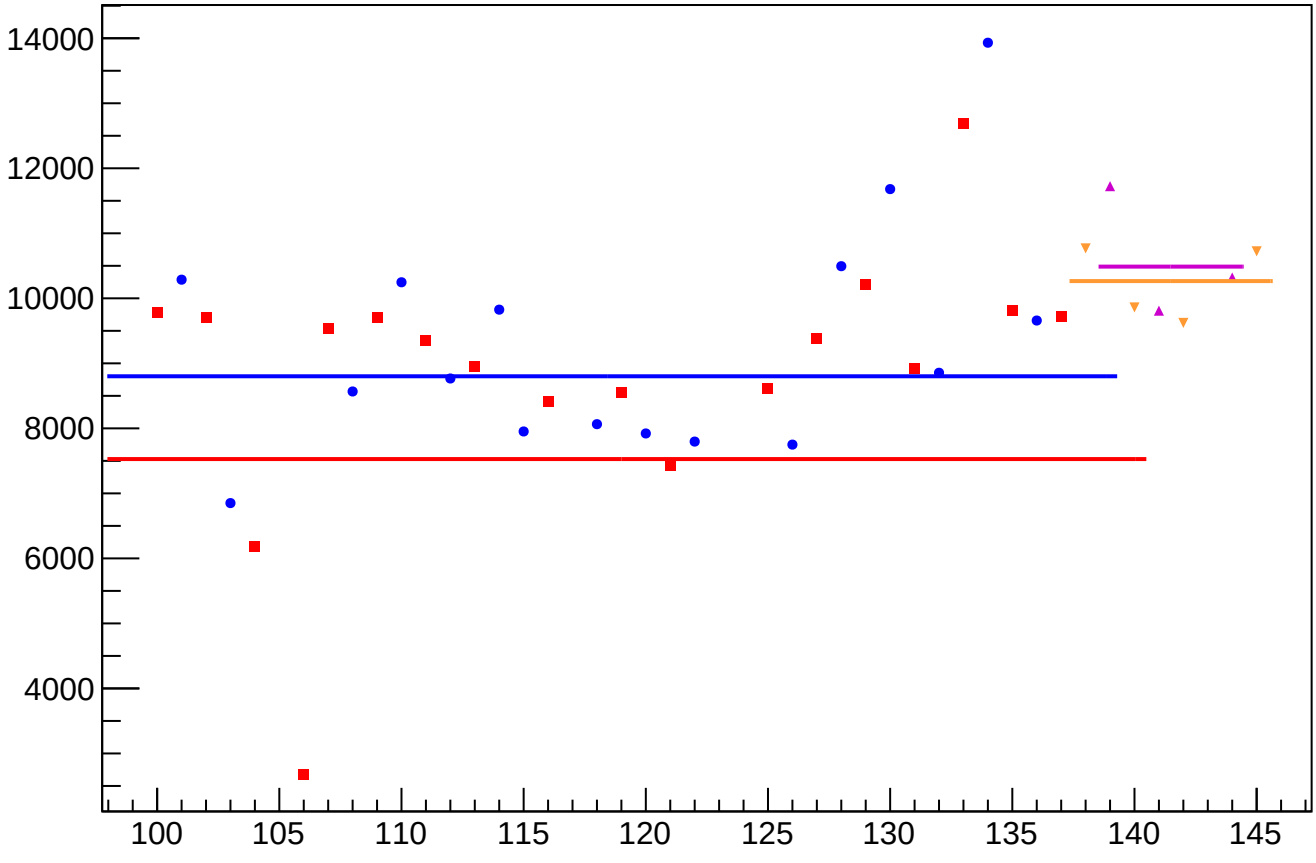
Left In: -6400.460+/-6506.468 χ^2/NDF:0.6/2

+ sign 3125.046+/-2922.076 χ^2/NDF: 23.2/19

All: -838.611+/-2059.149 χ^2/NDF: 41.9/40

- sign -4748.472+/-2902.179 χ^2/NDF: 15.0/20

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

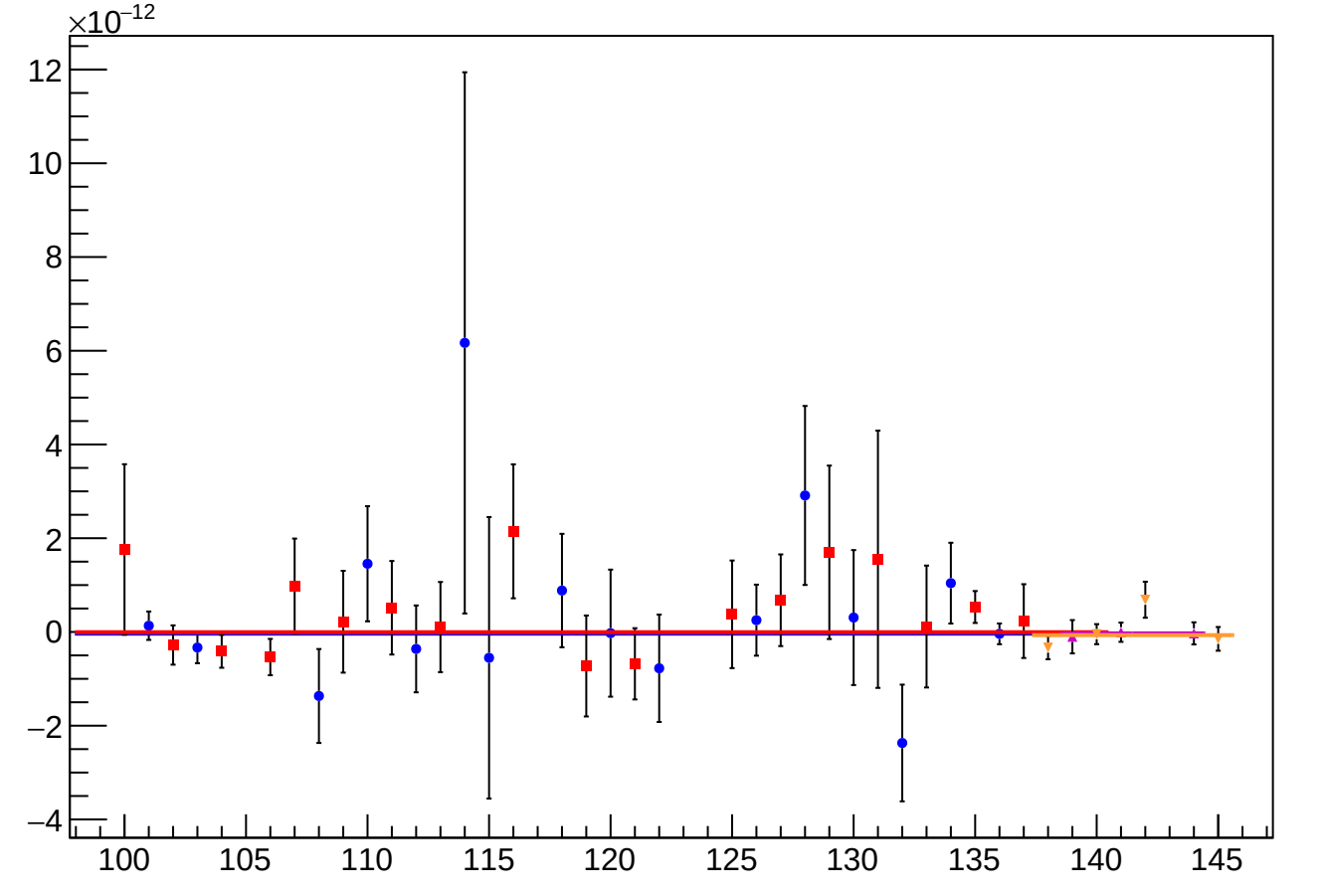
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10487.663+/-4.601 χ^2/NDF:27616.9/2

+ sign 9138.430+/-2.066 χ^2/NDF: 496652.5/19

All: 8557.389+/-1.411 χ^2/NDF: 2670694.1/40

- sign 8049.559+/-1.932 χ^2/NDF: 2025844.7/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/3

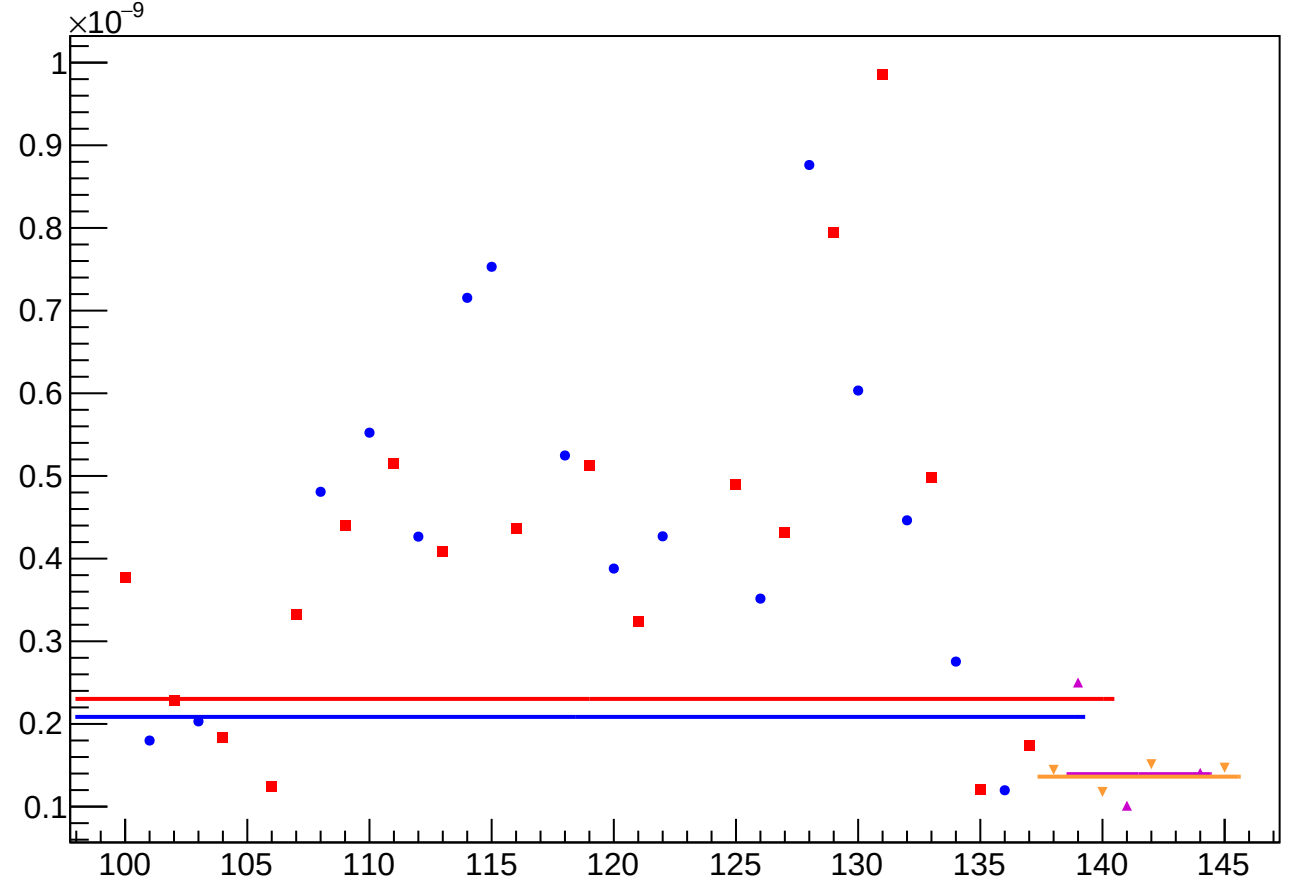
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 19.4/19

All: -0.000+/-0.000 χ^2/NDF: 33.3/40

- sign -0.000+/-0.000 χ^2/NDF: 13.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23878.5/3

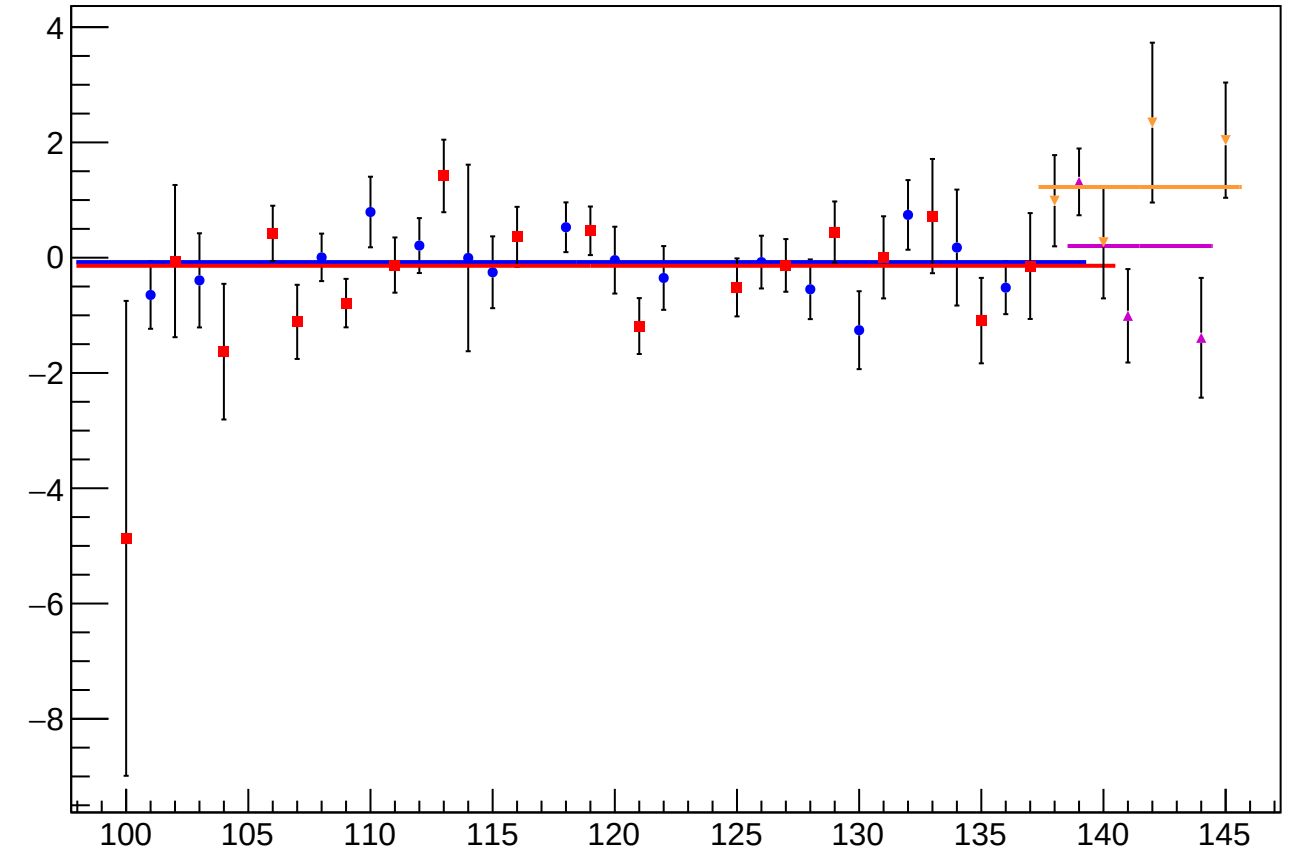
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:264166.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 1941477.5/19

All: 0.000+/-0.000 χ^2/NDF: 4151585.4/40

- sign 0.000+/-0.000 χ^2/NDF: 2197149.1/20



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 1.226+/-0.489 χ^2/NDF:2.4/3

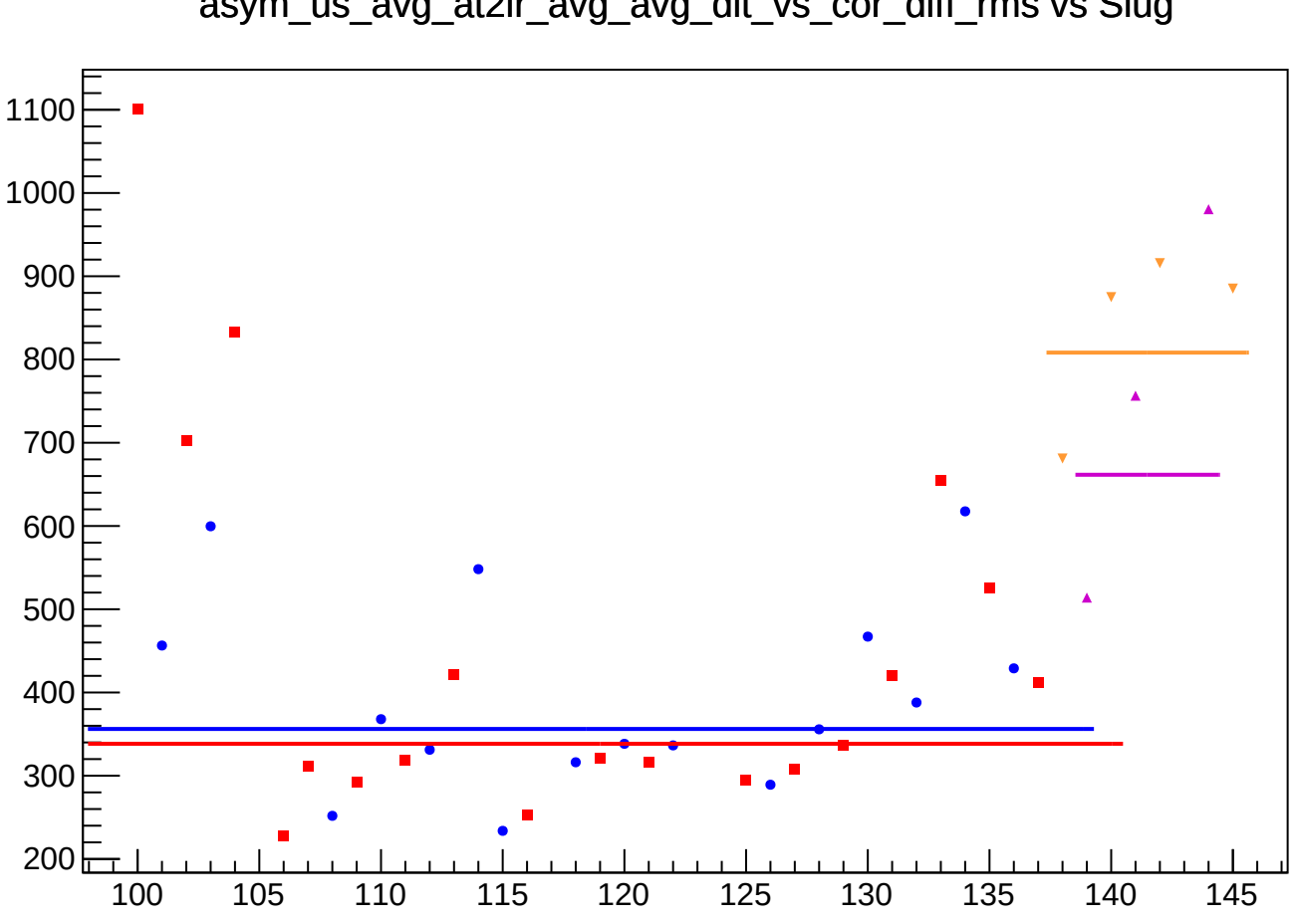
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.203+/-0.429 χ^2/NDF:8.3/2

\+ sign 0.022+/-0.135 χ^2/NDF: 21.4/19

All: -0.045+/-0.094 χ^2/NDF: 57.7/40

\- sign -0.108+/-0.131 χ^2/NDF: 35.8/20



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 808.285+/-0.346 χ^2/NDF:84916.3/3

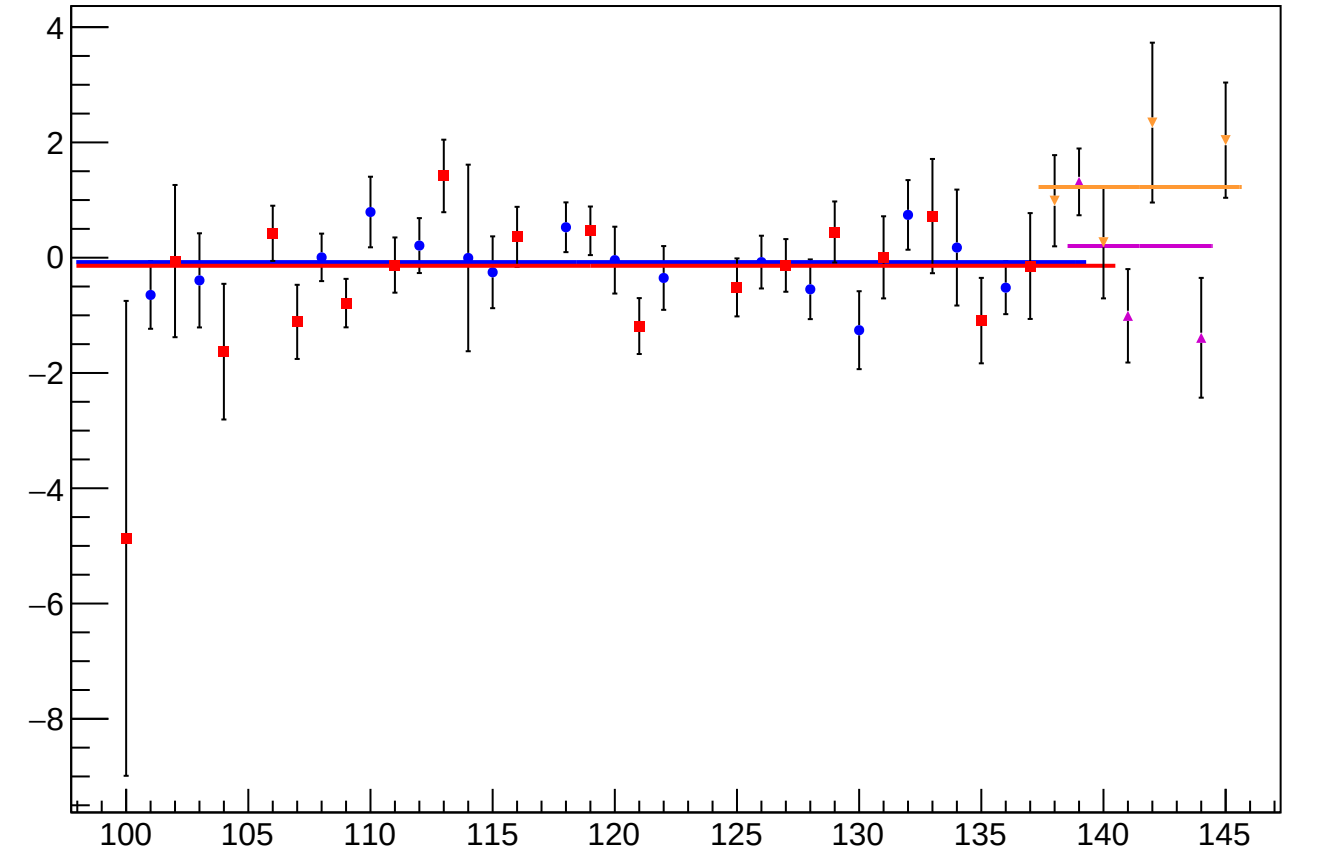
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 661.548+/-0.303 χ^2/NDF:345751.4/2

+ sign 390.337+/-0.095 χ^2/NDF: 2447563.9/19

All: 379.252+/-0.066 χ^2/NDF: 5050843.7/40

- sign 368.682+/-0.093 χ^2/NDF: 2576744.5/20



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 1.226+/-0.489 χ^2/NDF:2.4/3

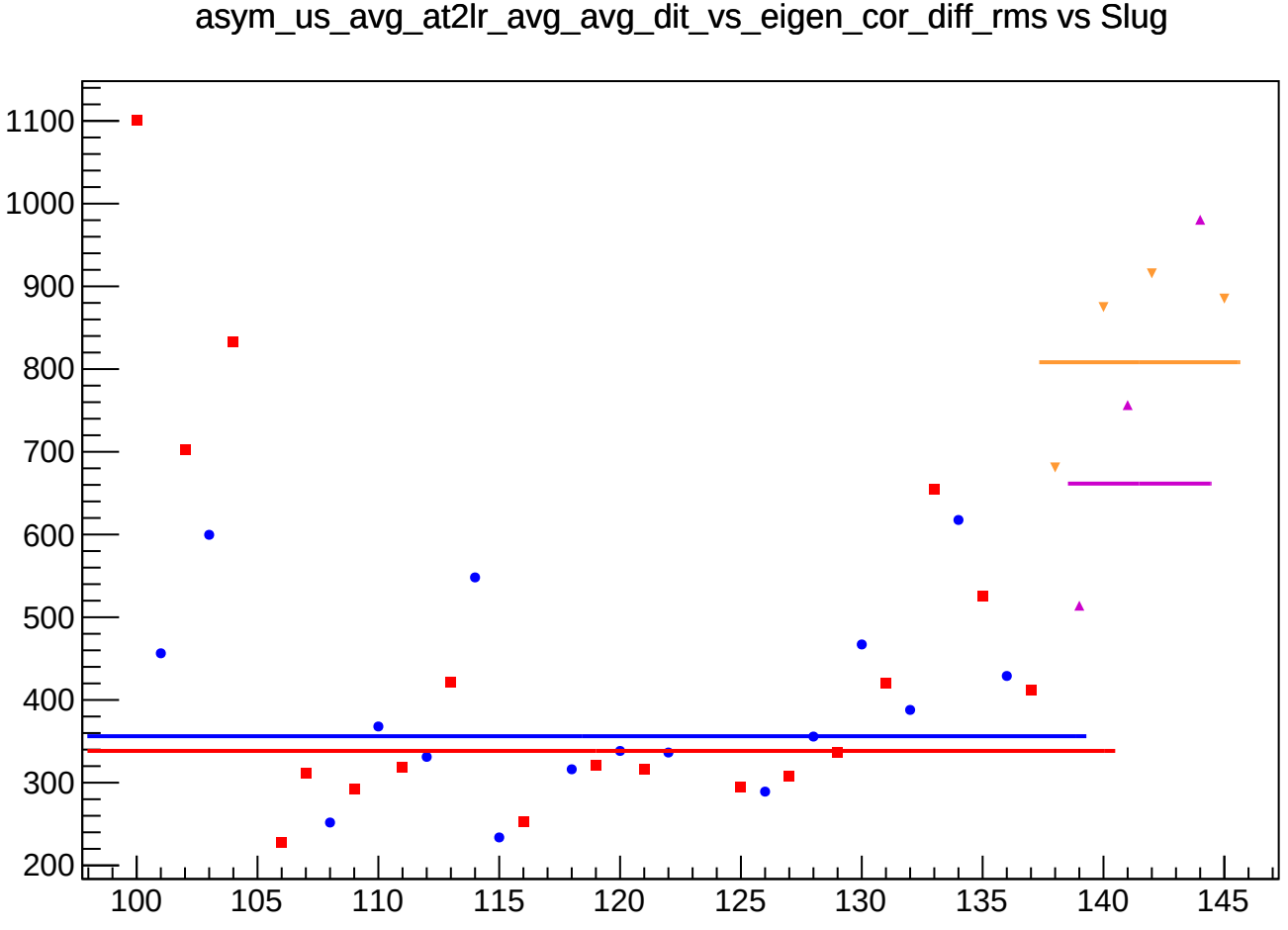
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.203+/-0.429 χ^2/NDF:8.3/2

+ sign 0.022+/-0.135 χ^2/NDF: 21.4/19

All: -0.045+/-0.094 χ^2/NDF: 57.7/40

- sign -0.108+/-0.131 χ^2/NDF: 35.8/20



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 808.285+/-0.346 χ^2/NDF:84916.3/3

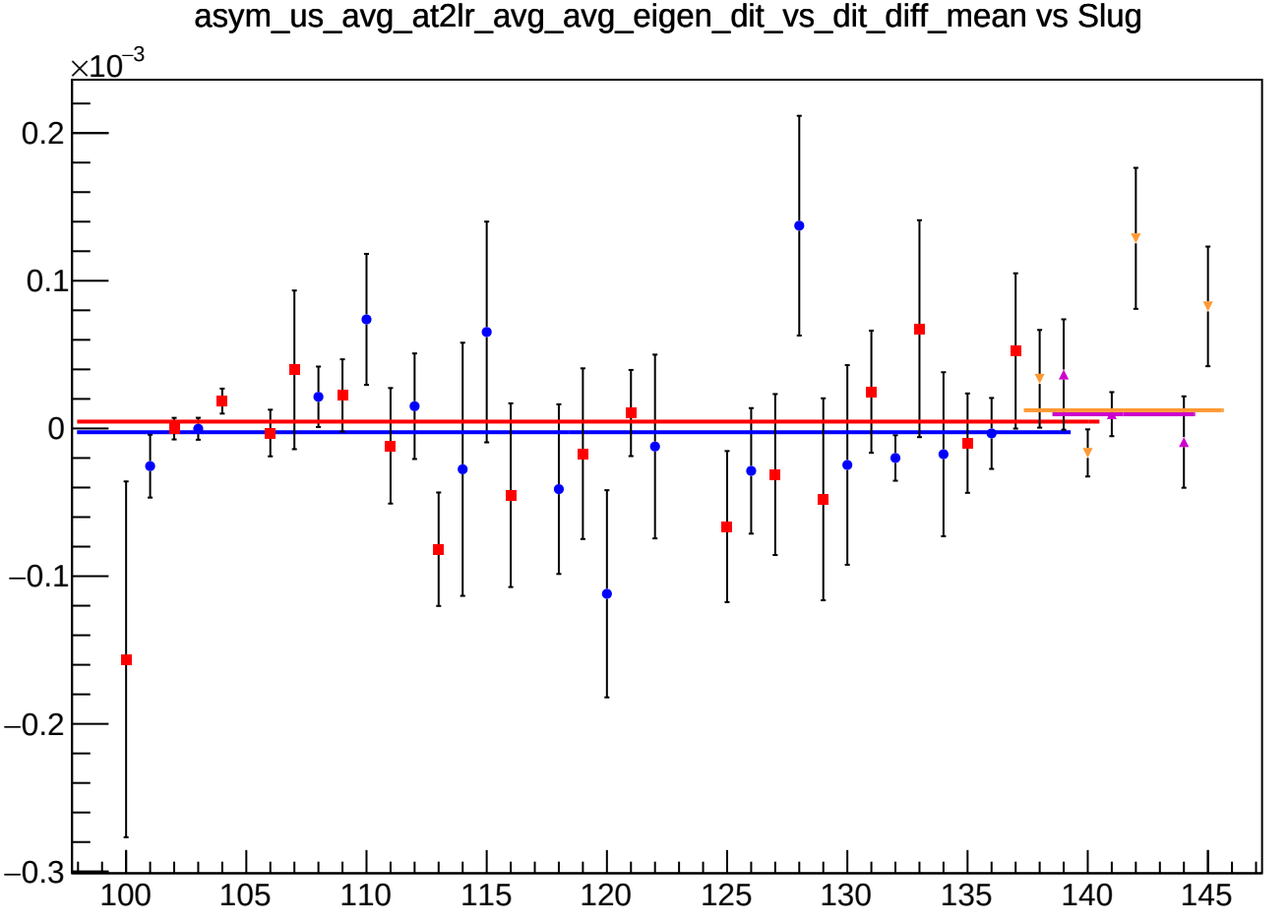
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 661.548+/-0.303 χ^2/NDF:345751.4/2

+ sign 390.337+/-0.095 χ^2/NDF: 2447563.9/19

All: 379.252+/-0.066 χ^2/NDF: 5050843.7/40

- sign 368.682+/-0.093 χ^2/NDF: 2576744.5/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/3

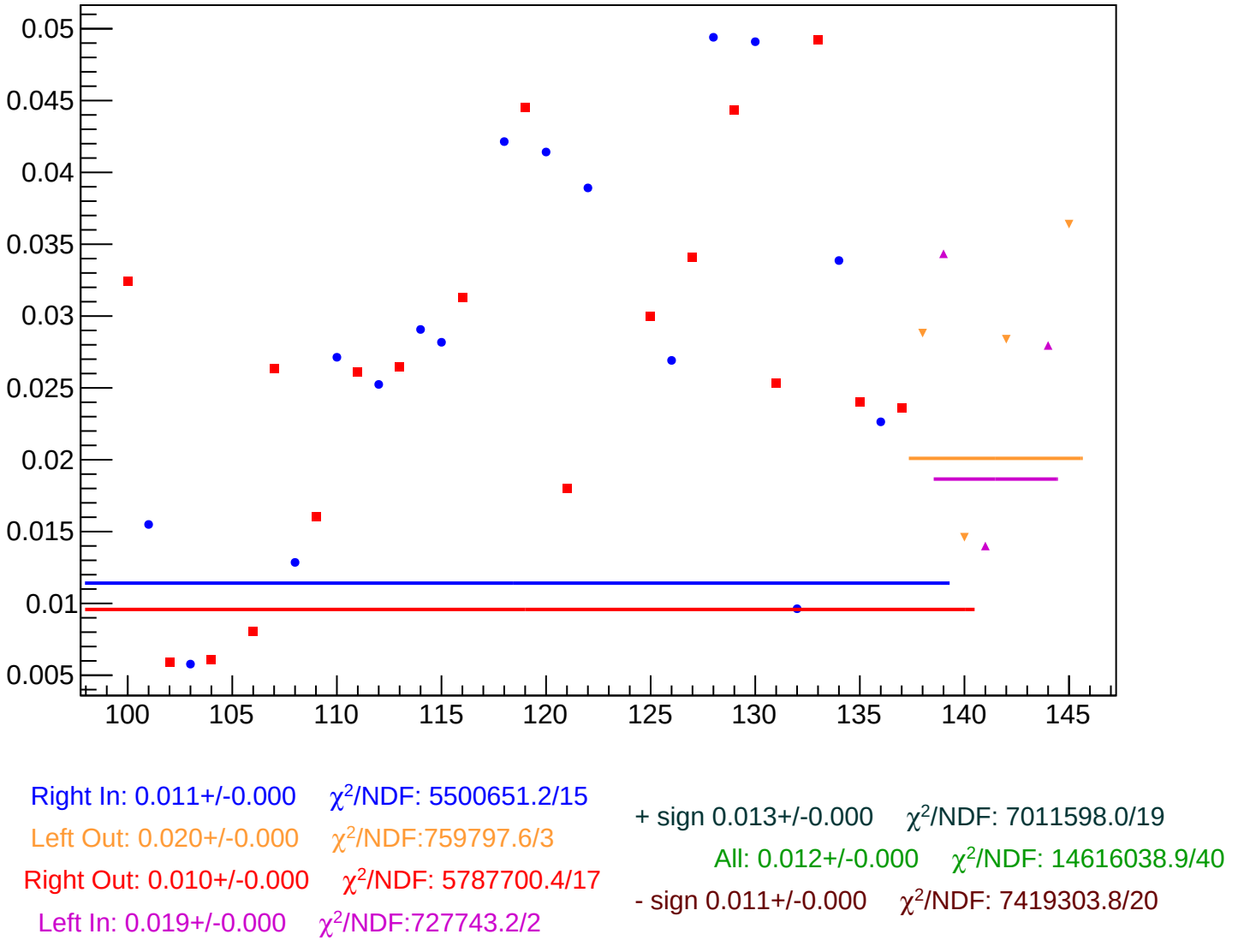
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

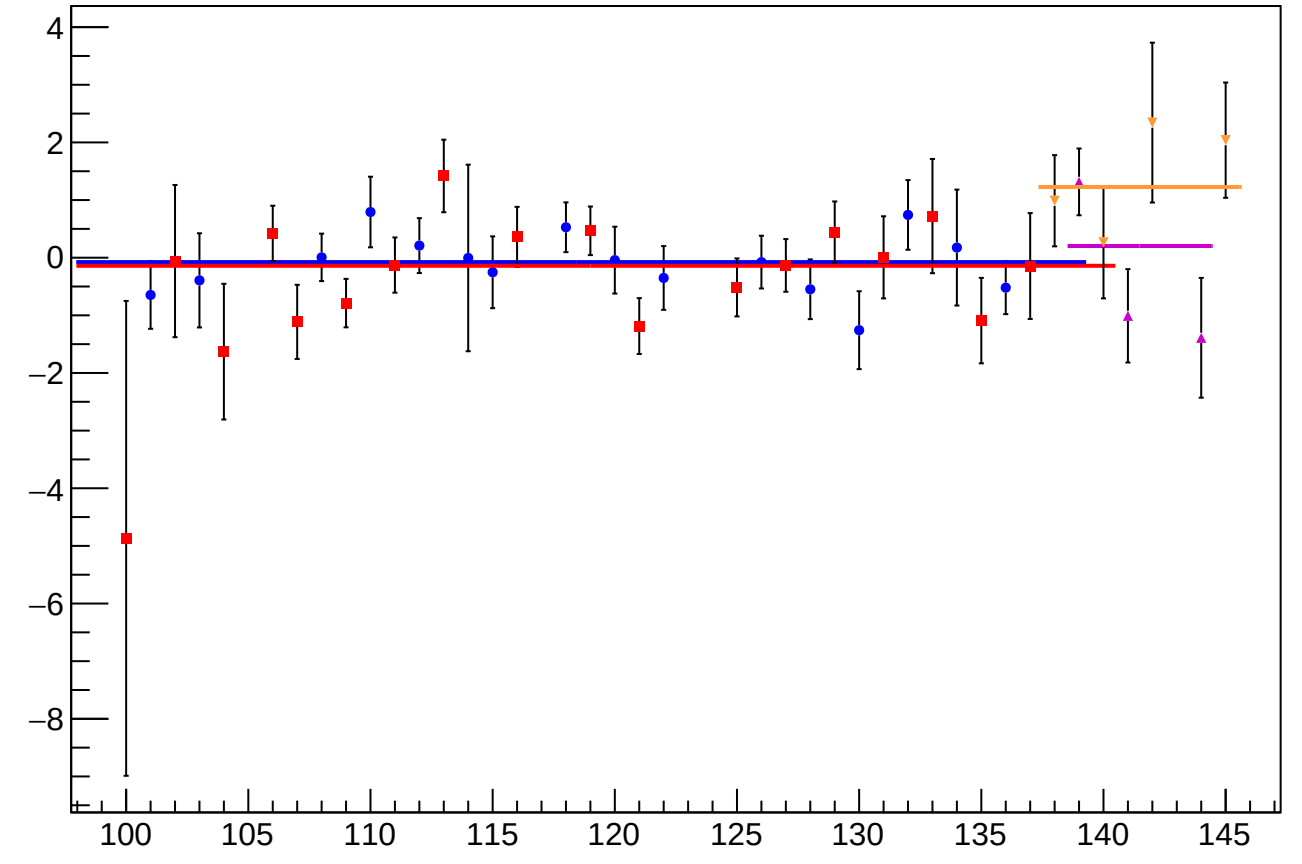
Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

+ sign -0.000+/-0.000 χ^2/NDF: 28.8/19

All: 0.000+/-0.000 χ^2/NDF: 47.6/40

- sign 0.000+/-0.000 χ^2/NDF: 18.1/20


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
105
110
115
120
125
130
135
140
145
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.020+/-0.000 χ²/NDF:759797.6/3
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.019+/-0.000 χ²/NDF:727743.2/2
+ sign 0.013+/-0.000 χ²/NDF: 7011598.0/19
All: 0.012+/-0.000 χ²/NDF: 14616038.9/40
- sign 0.011+/-0.000 χ²/NDF: 7419303.8/20



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 1.227+/-0.489 χ^2/NDF:2.4/3

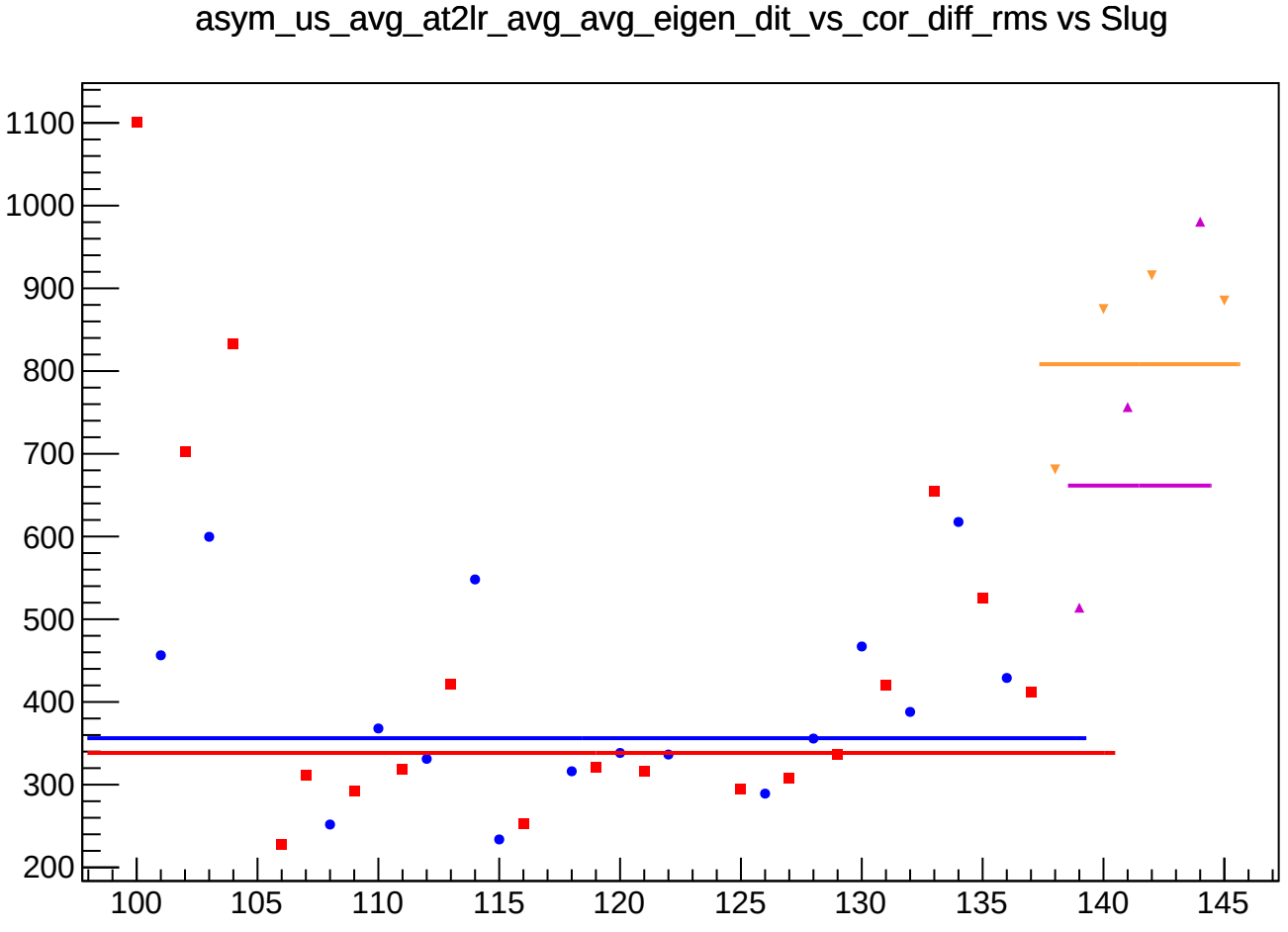
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.203+/-0.429 χ^2/NDF:8.3/2

+ sign 0.022+/-0.135 χ^2/NDF: 21.4/19

All: -0.045+/-0.094 χ^2/NDF: 57.7/40

- sign -0.108+/-0.131 χ^2/NDF: 35.8/20



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 808.295+/-0.346 χ^2/NDF:84919.2/3

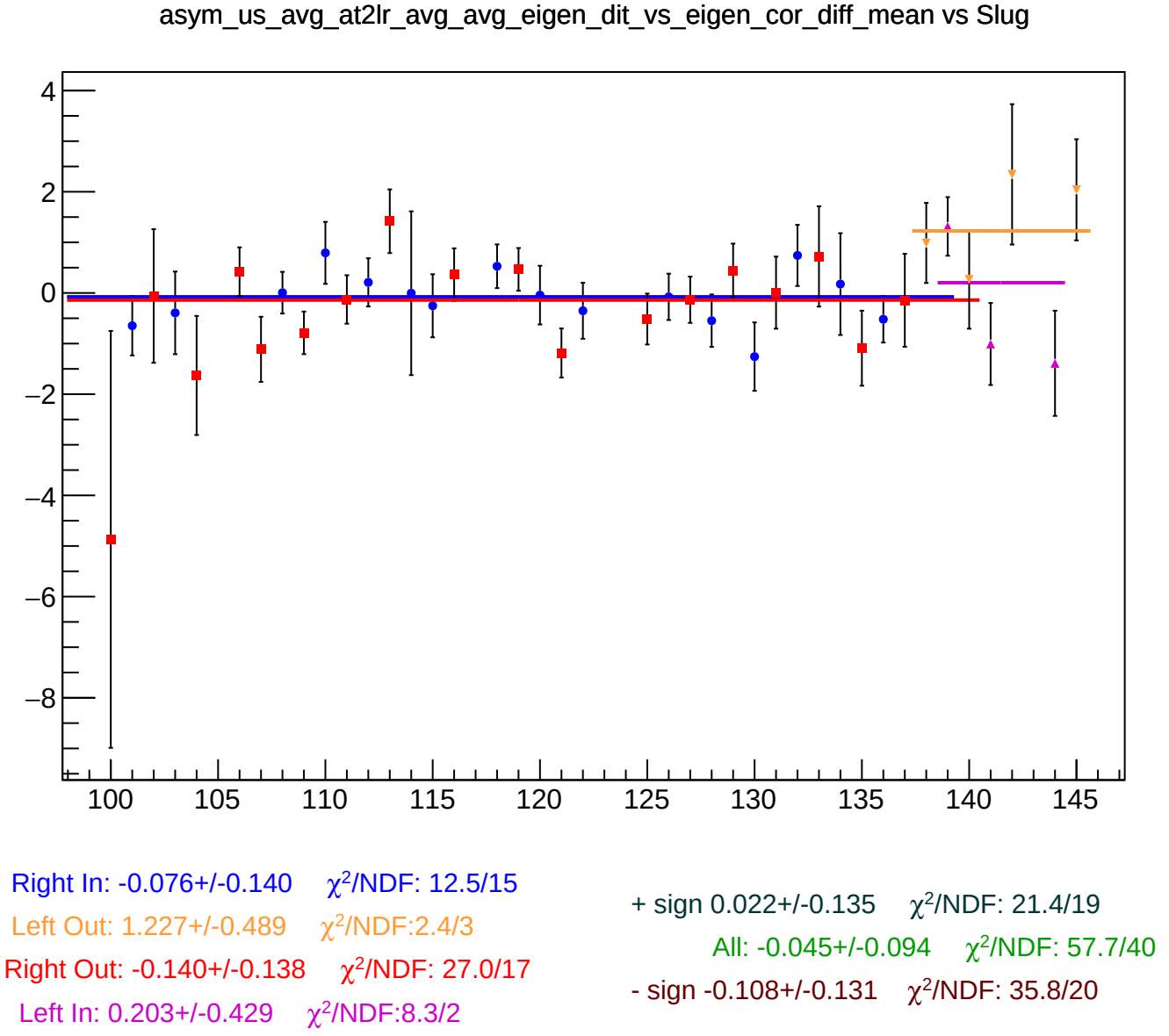
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

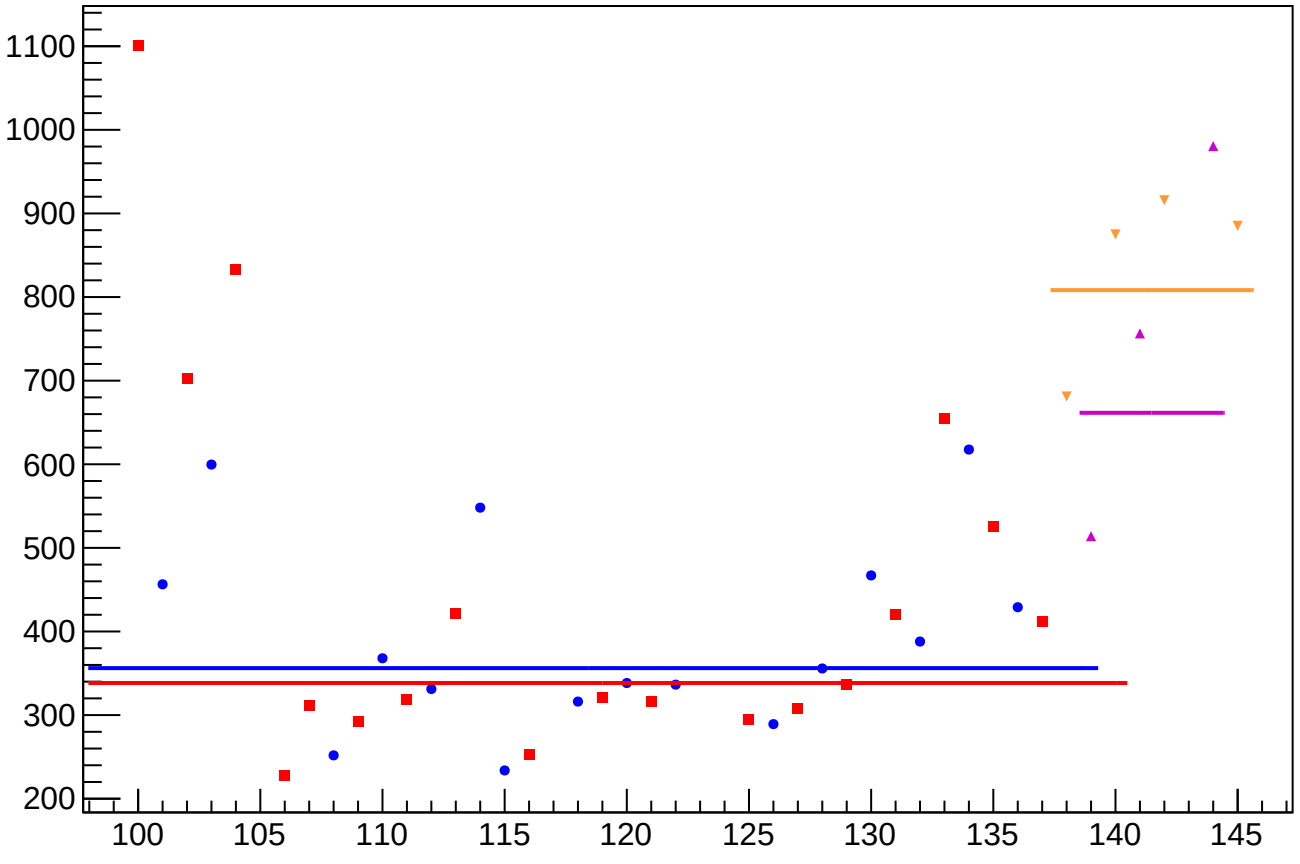
Left In: 661.560+/-0.303 χ^2/NDF:345738.0/2

+ sign 390.336+/-0.095 χ^2/NDF: 2447575.8/19

All: 379.250+/-0.066 χ^2/NDF: 5050881.6/40

- sign 368.680+/-0.093 χ^2/NDF: 2576769.3/20


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
105
110
115
120
125
130
135
140
145
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 1.227+/-0.489 χ²/NDF:2.4/3
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.203+/-0.429 χ²/NDF:8.3/2
+ sign 0.022+/-0.135 χ²/NDF: 21.4/19
All: -0.045+/-0.094 χ²/NDF: 57.7/40
- sign -0.108+/-0.131 χ²/NDF: 35.8/20



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 808.295+/-0.346 χ^2/NDF:84919.2/3

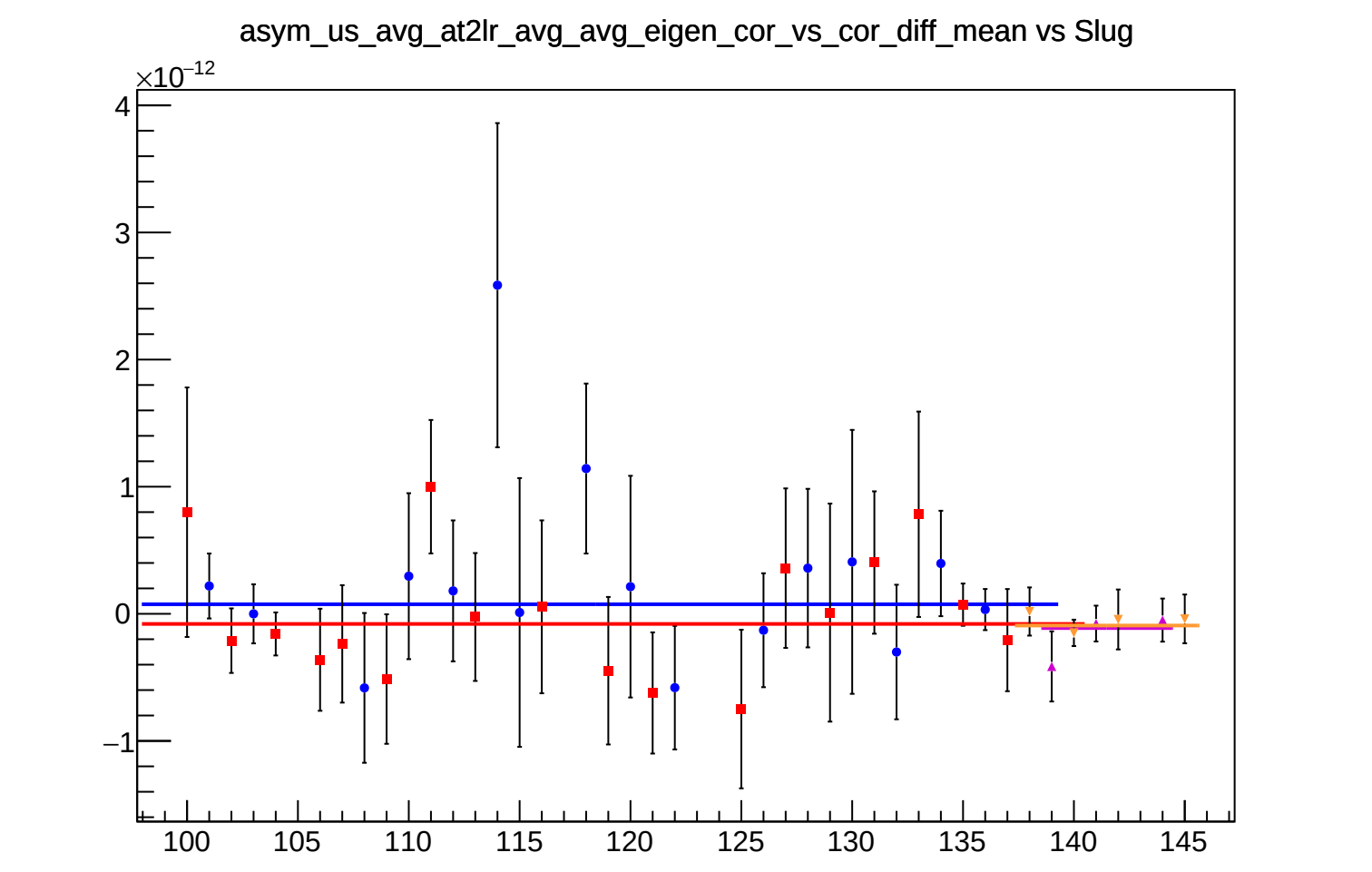
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 661.560+/-0.303 χ^2/NDF:345738.0/2

+ sign 390.336+/-0.095 χ^2/NDF: 2447575.8/19

All: 379.250+/-0.066 χ^2/NDF: 5050881.6/40

- sign 368.680+/-0.093 χ^2/NDF: 2576769.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/3

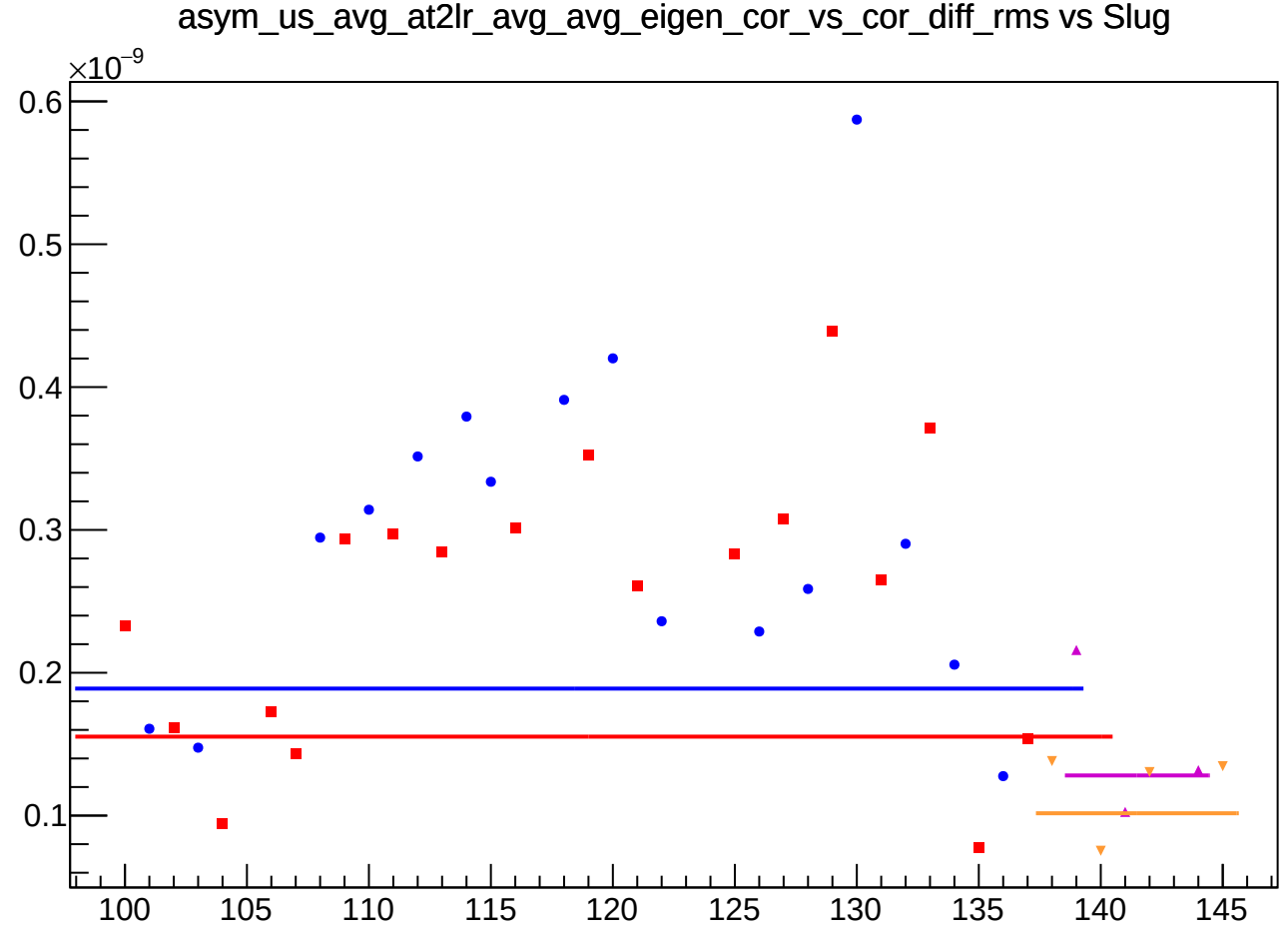
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/19

All: -0.000+/-0.000 χ^2/NDF: 29.5/40

- sign -0.000+/-0.000 χ^2/NDF: 14.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:291179.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

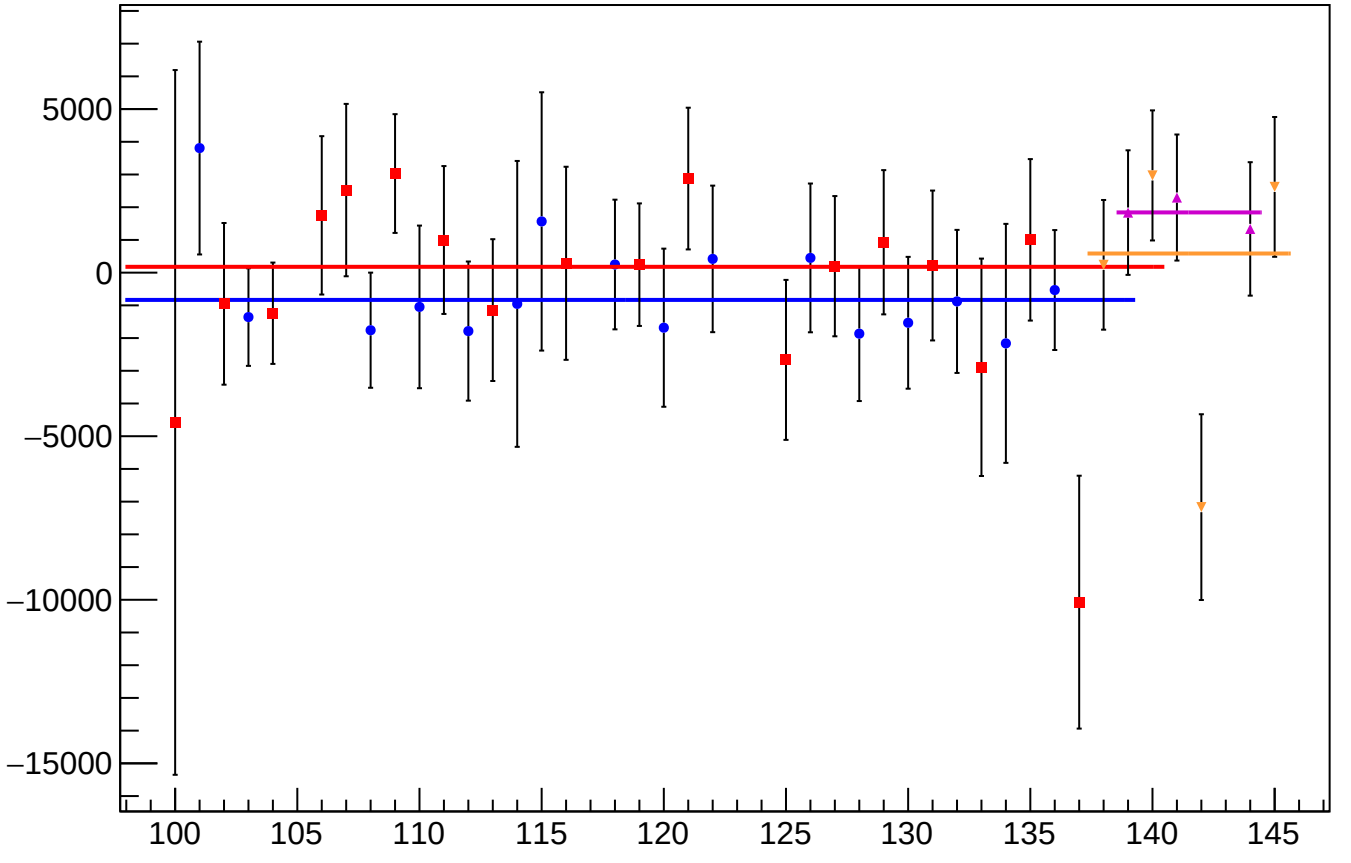
Left In: 0.000+/-0.000 χ^2/NDF:269415.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 2806125.9/19

All: 0.000+/-0.000 χ^2/NDF: 5376592.2/40

- sign 0.000+/-0.000 χ^2/NDF: 2554633.2/20

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

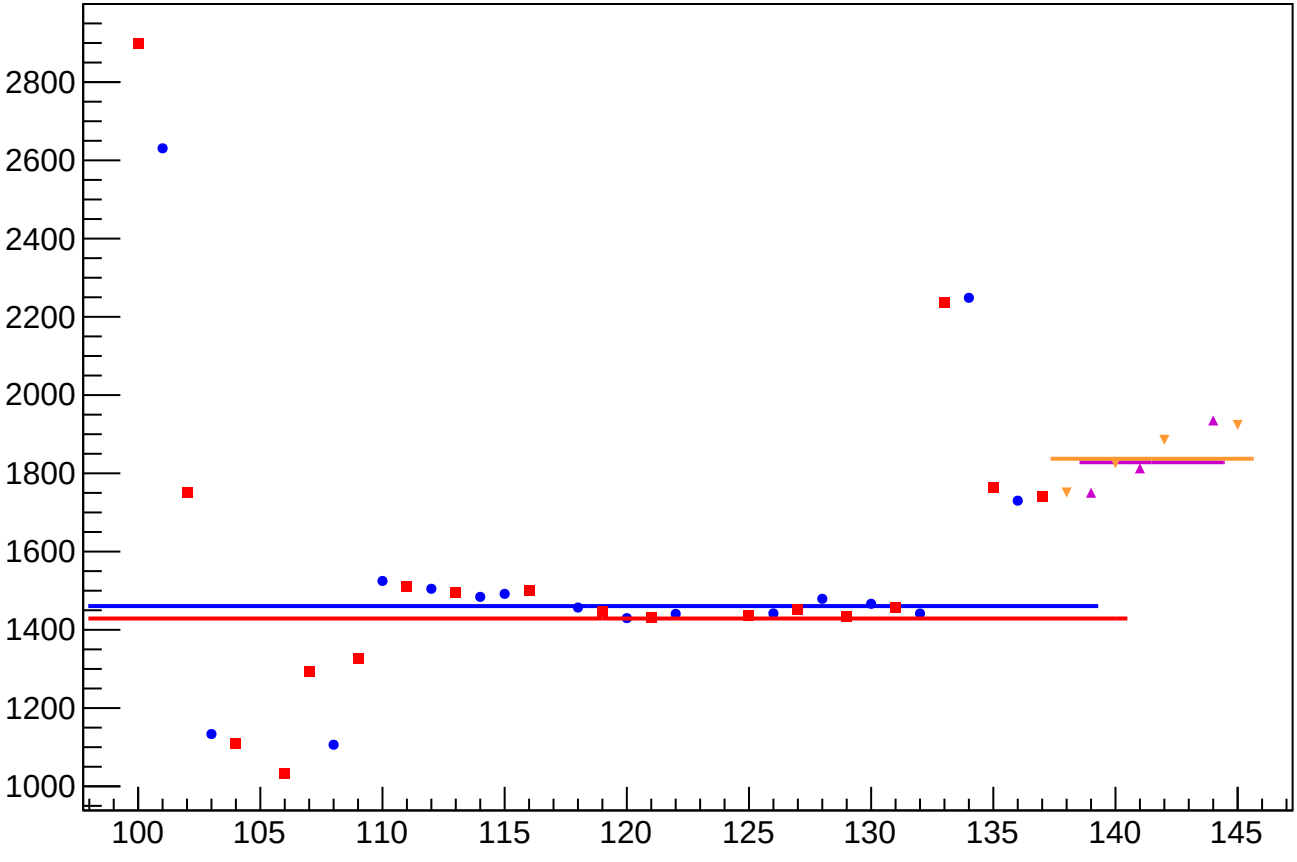
Left In: 1840.965+/-1128.254 χ^2/NDF:0.1/2

+ sign -539.145+/-493.927 χ^2/NDF: 15.8/19

All: -20.646+/-348.861 χ^2/NDF: 36.3/40

- sign 495.498+/-492.804 χ^2/NDF: 18.3/20

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

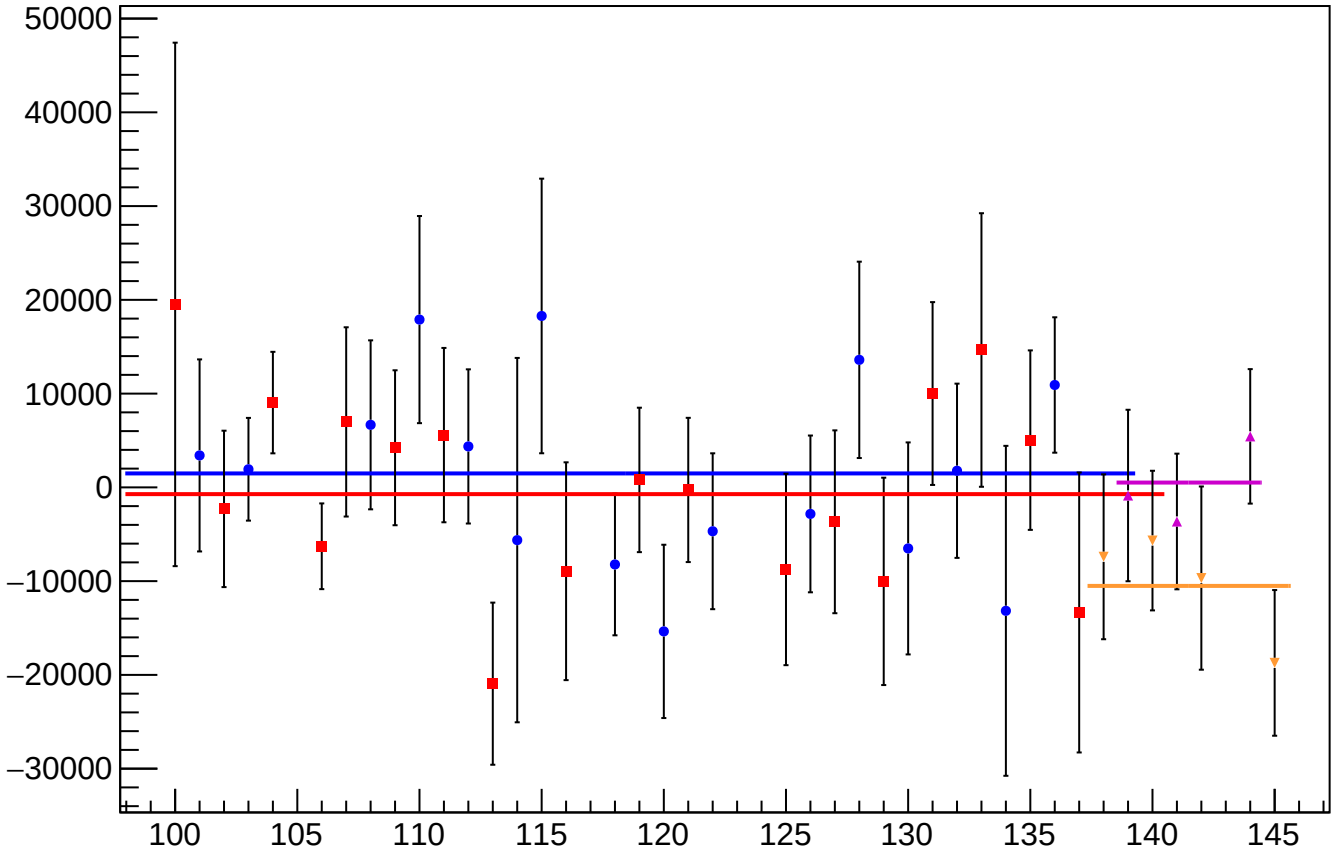
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1828.351+/-0.798 χ^2/NDF:8964.3/2

+ sign 1538.791+/-0.349 χ^2/NDF: 774611.0/19

All: 1521.367+/-0.246 χ^2/NDF: 1403183.3/40

- sign 1504.230+/-0.346 χ^2/NDF: 623635.9/20



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -10508.488+/-4151.535 χ^2/NDF:1.7/3

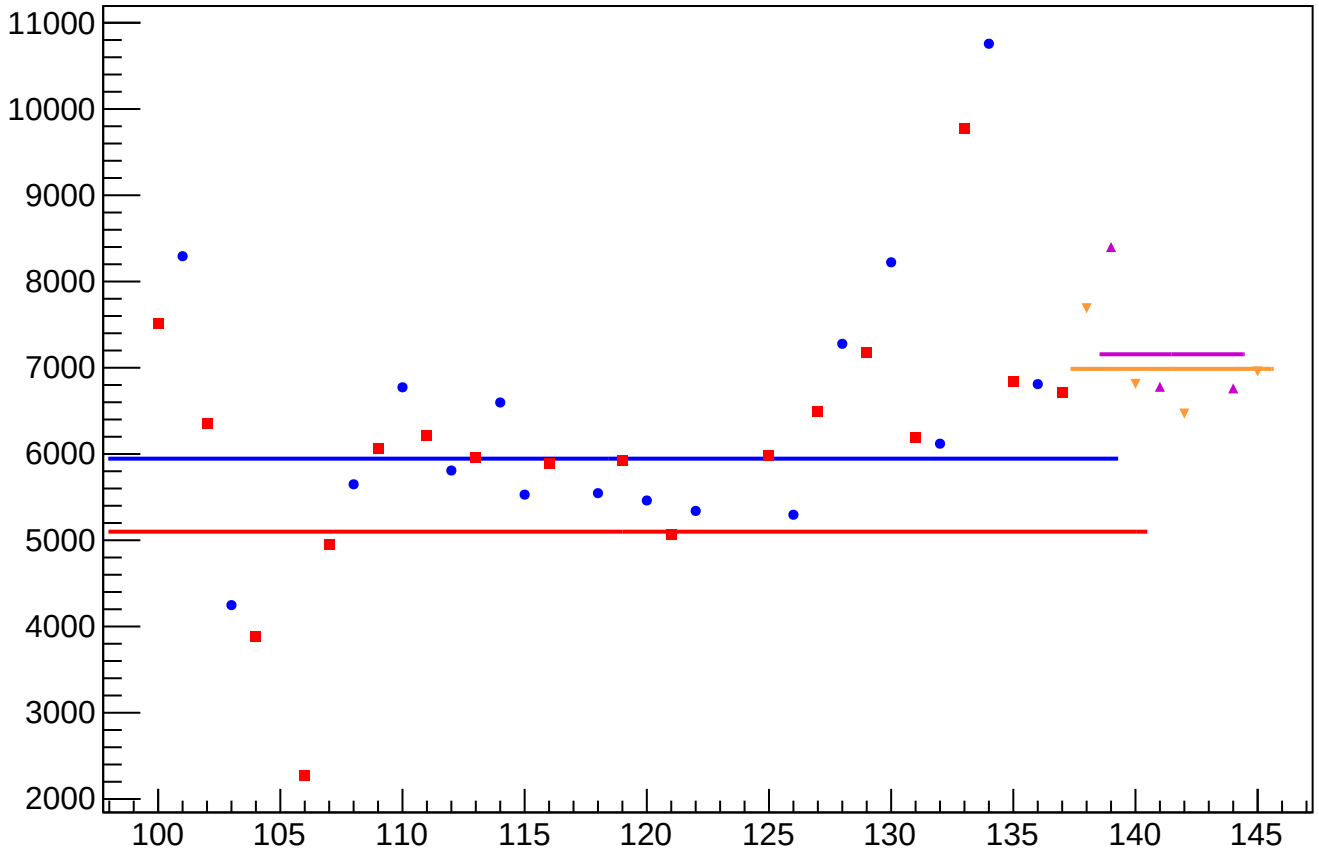
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 512.687+/-4449.685 χ^2/NDF:0.8/2

+ sign -1269.876+/-1990.375 χ^2/NDF: 22.3/19

All: -859.229+/-1348.320 χ^2/NDF: 40.8/40

- sign -510.967+/-1832.963 χ^2/NDF: 18.4/20



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

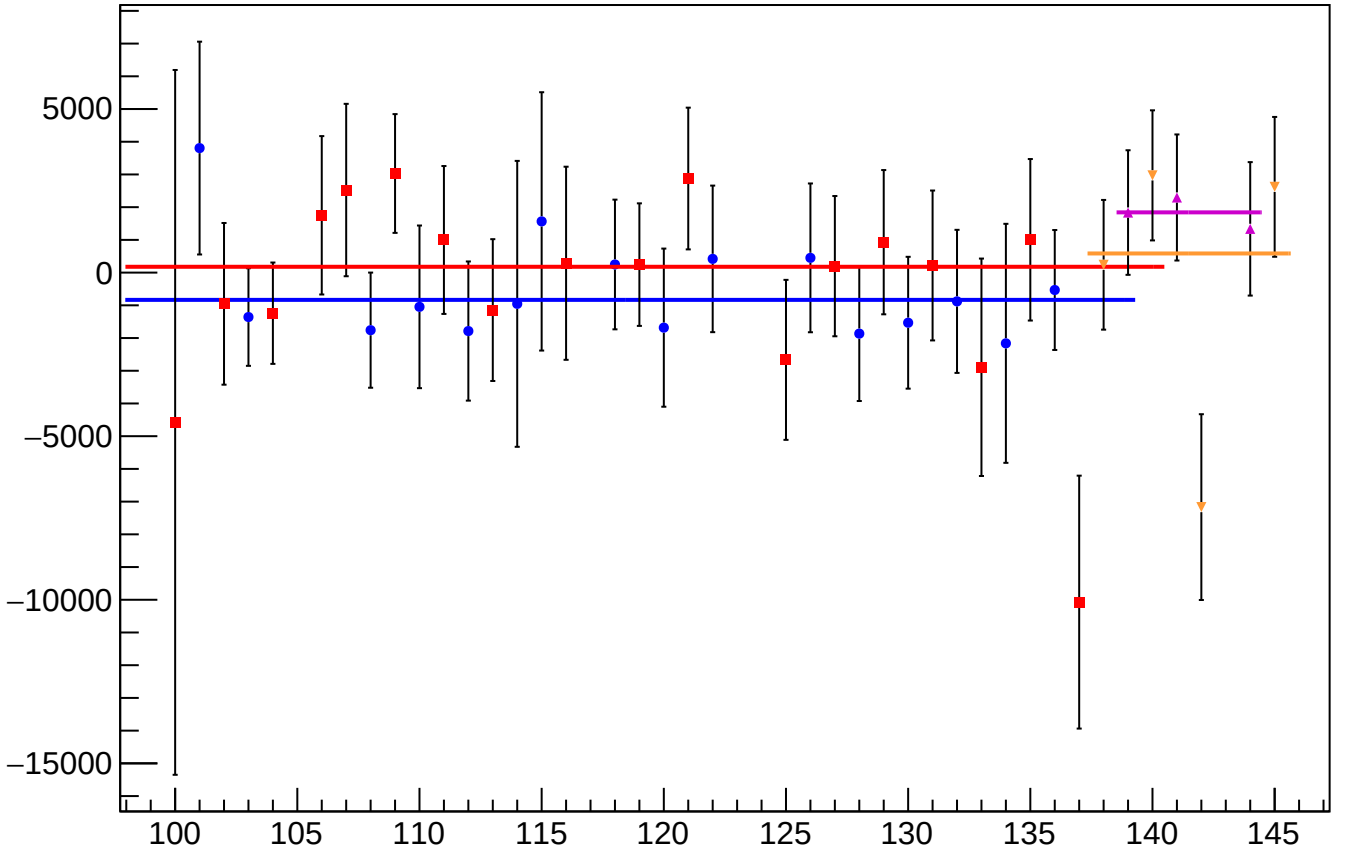
Left In: 7156.423+/-3.146 χ^2/NDF:48485.5/2

+ sign 6185.437+/-1.407 χ^2/NDF: 757594.1/19

All: 5786.641+/-0.953 χ^2/NDF: 2789726.9/40

- sign 5448.429+/-1.296 χ^2/NDF: 1883749.8/20

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

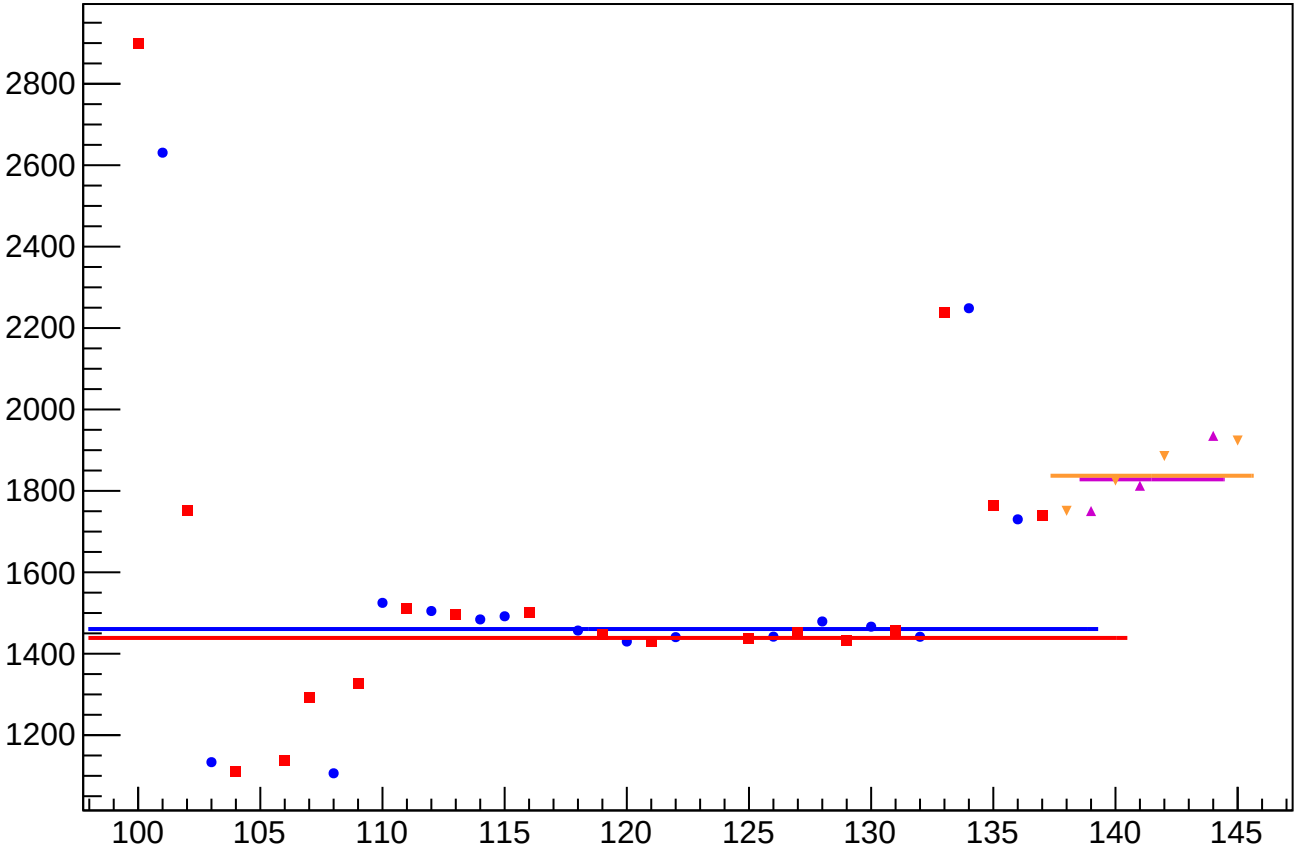
Left In: 1841.119+/-1128.254 χ^2/NDF:0.1/2

+ sign -539.215+/-493.927 χ^2/NDF: 15.8/19

All: -20.731+/-348.861 χ^2/NDF: 36.3/40

- sign 495.398+/-492.804 χ^2/NDF: 18.3/20

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

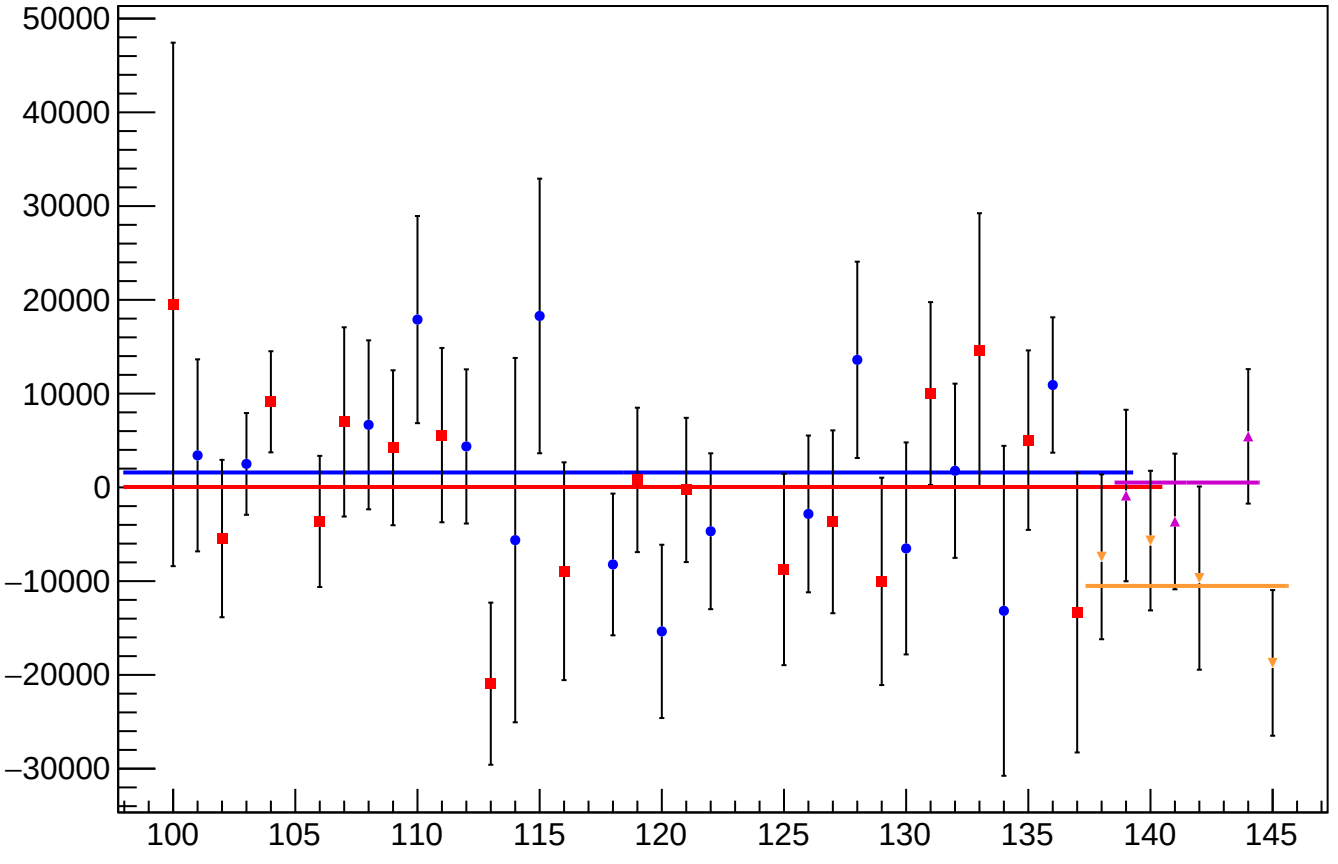
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1828.351+/-0.798 χ^2/NDF:8964.3/2

+ sign 1538.790+/-0.349 χ^2/NDF: 774611.4/19

All: 1525.749+/-0.246 χ^2/NDF: 1352867.4/40

- sign 1512.815+/-0.348 χ^2/NDF: 575478.8/20



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

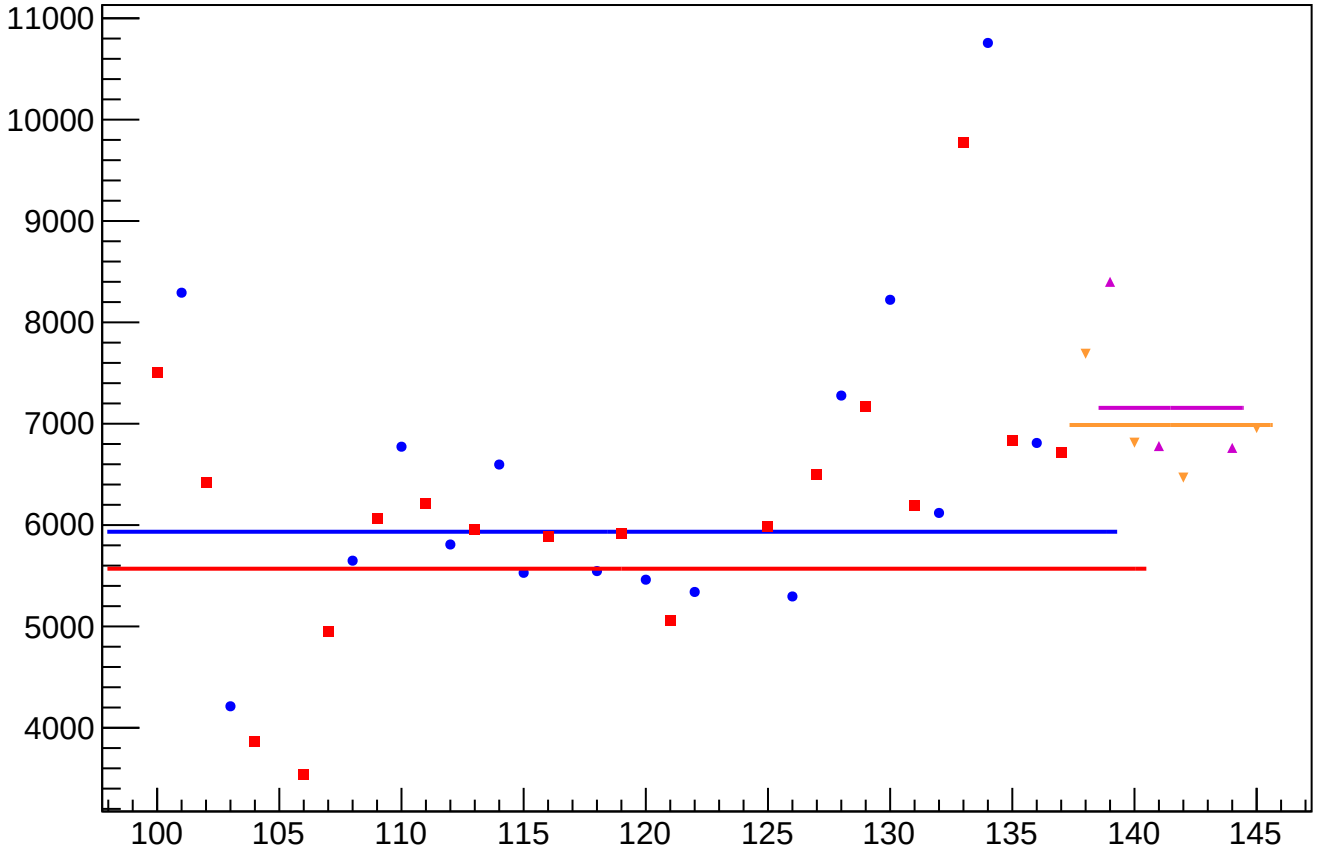
Left In: 512.751+/-4449.682 χ^2/NDF:0.8/2

\+ sign -1184.831+/-1987.826 χ^2/NDF: 22.4/19

All: -506.372+/-1382.286 χ^2/NDF: 39.9/40

\- sign 128.859+/-1923.457 χ^2/NDF: 17.3/20

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

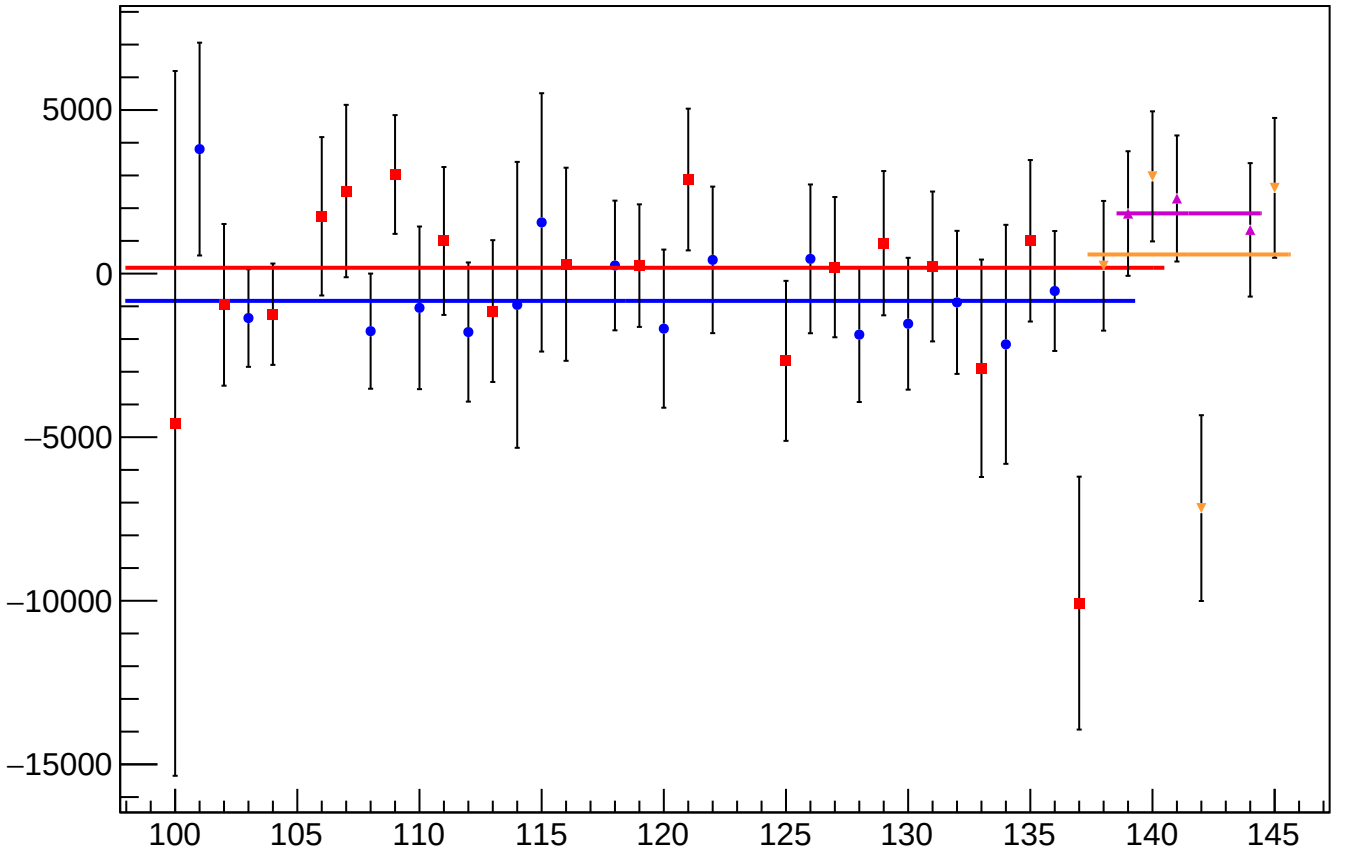
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7156.417+/-3.146 χ^2/NDF:48485.4/2

+ sign 6175.674+/-1.406 χ^2/NDF: 771841.4/19

All: 6015.799+/-0.977 χ^2/NDF: 1776244.2/40

- sign 5866.111+/-1.360 χ^2/NDF: 979353.1/20



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

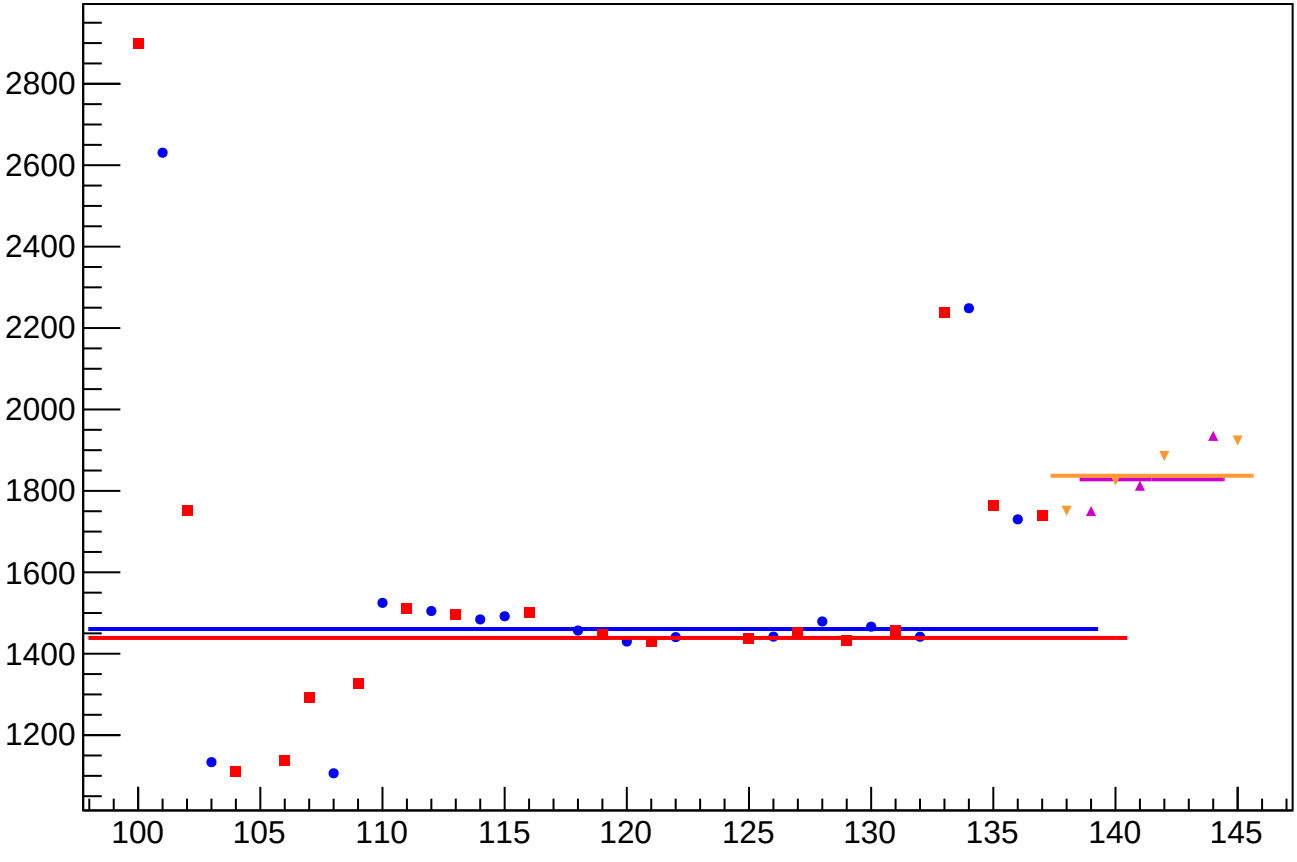
Left In: 1841.119+/-1128.254 χ^2/NDF:0.1/2

+ sign -539.215+/-493.927 χ^2/NDF: 15.8/19

All: -20.731+/-348.861 χ^2/NDF: 36.3/40

- sign 495.398+/-492.804 χ^2/NDF: 18.3/20

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1837.223+/-0.767 χ^2/NDF:7709.9/3

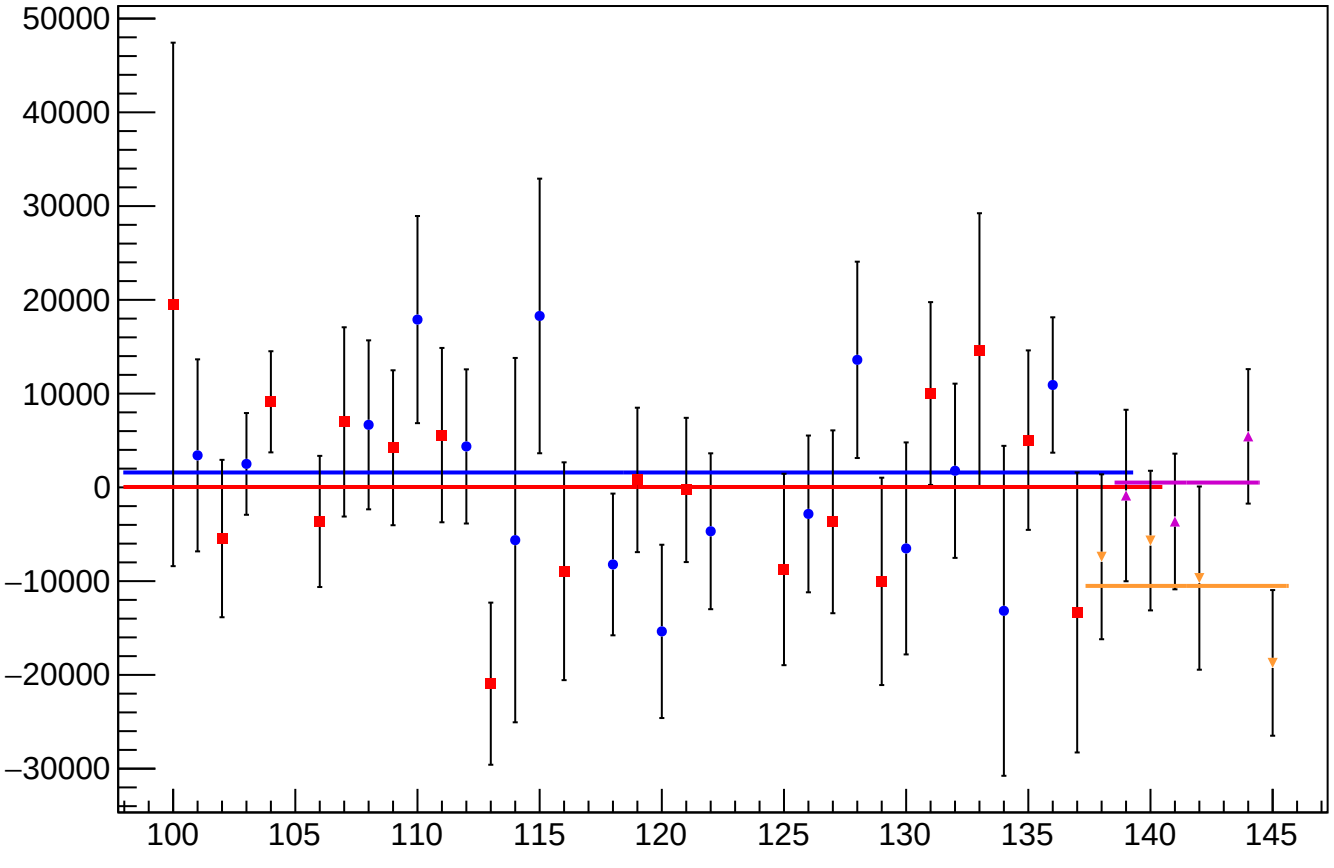
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1828.351+/-0.798 χ^2/NDF:8964.3/2

+ sign 1538.790+/-0.349 χ^2/NDF: 774611.4/19

All: 1525.749+/-0.246 χ^2/NDF: 1352867.4/40

- sign 1512.815+/-0.348 χ^2/NDF: 575478.8/20



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -10508.558+/-4151.530 χ^2/NDF:1.7/3

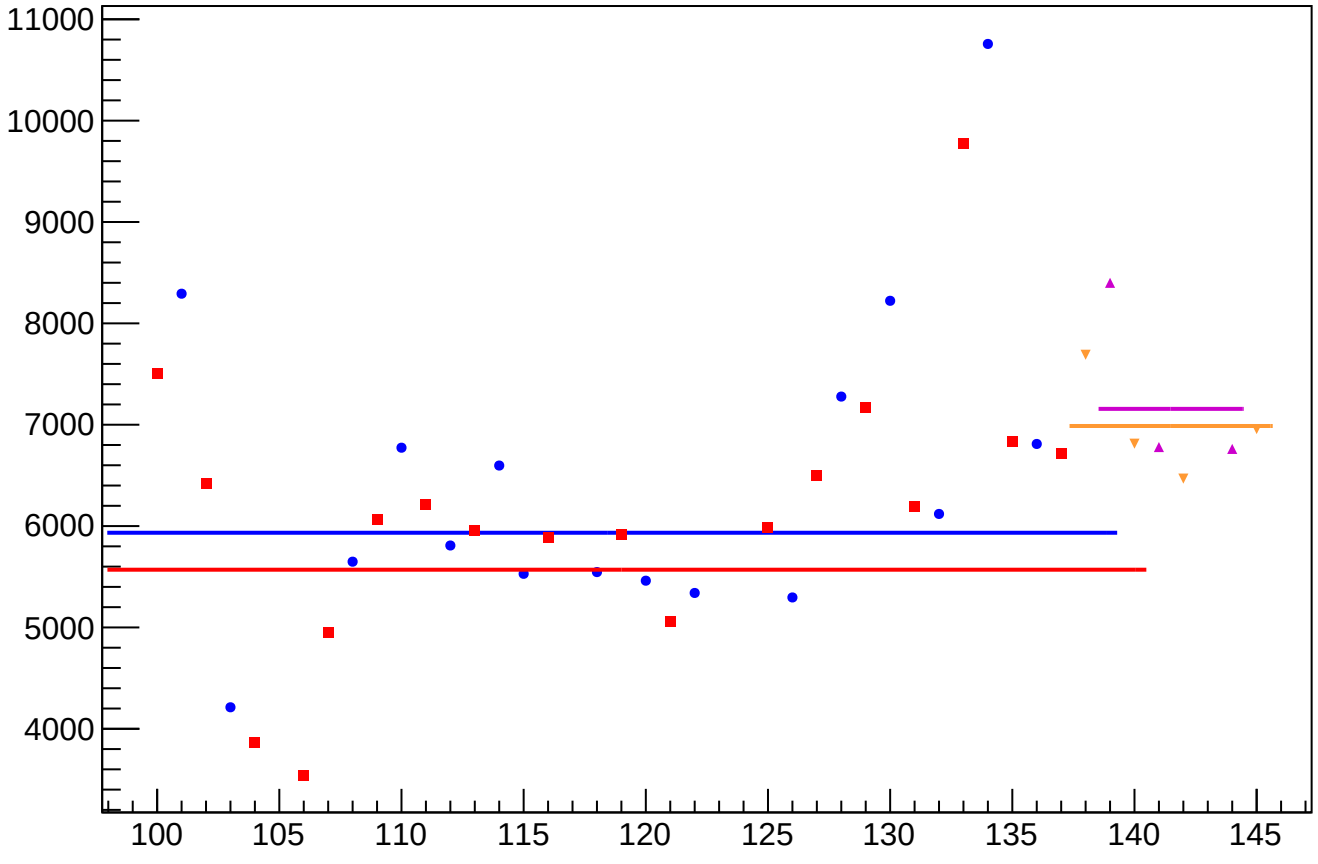
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 512.751+/-4449.682 χ^2/NDF:0.8/2

+ sign -1184.831+/-1987.826 χ^2/NDF: 22.4/19

All: -506.372+/-1382.286 χ^2/NDF: 39.9/40

- sign 128.859+/-1923.457 χ^2/NDF: 17.3/20



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6987.416+/-2.936 χ^2/NDF:19550.8/3

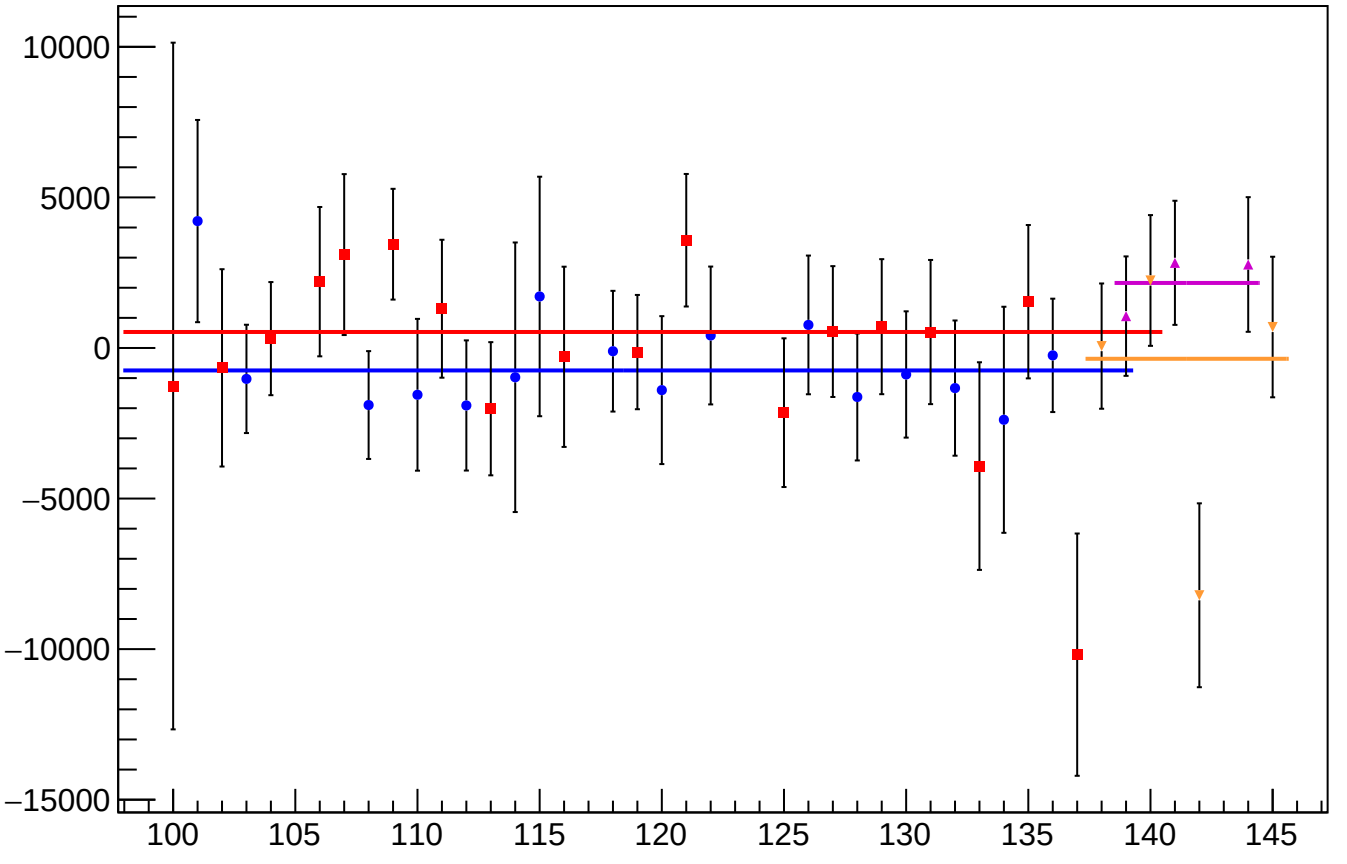
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7156.417+/-3.146 χ^2/NDF:48485.4/2

+ sign 6175.674+/-1.406 χ^2/NDF: 771841.4/19

All: 6015.799+/-0.977 χ^2/NDF: 1776244.2/40

- sign 5866.111+/-1.360 χ^2/NDF: 979353.1/20



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

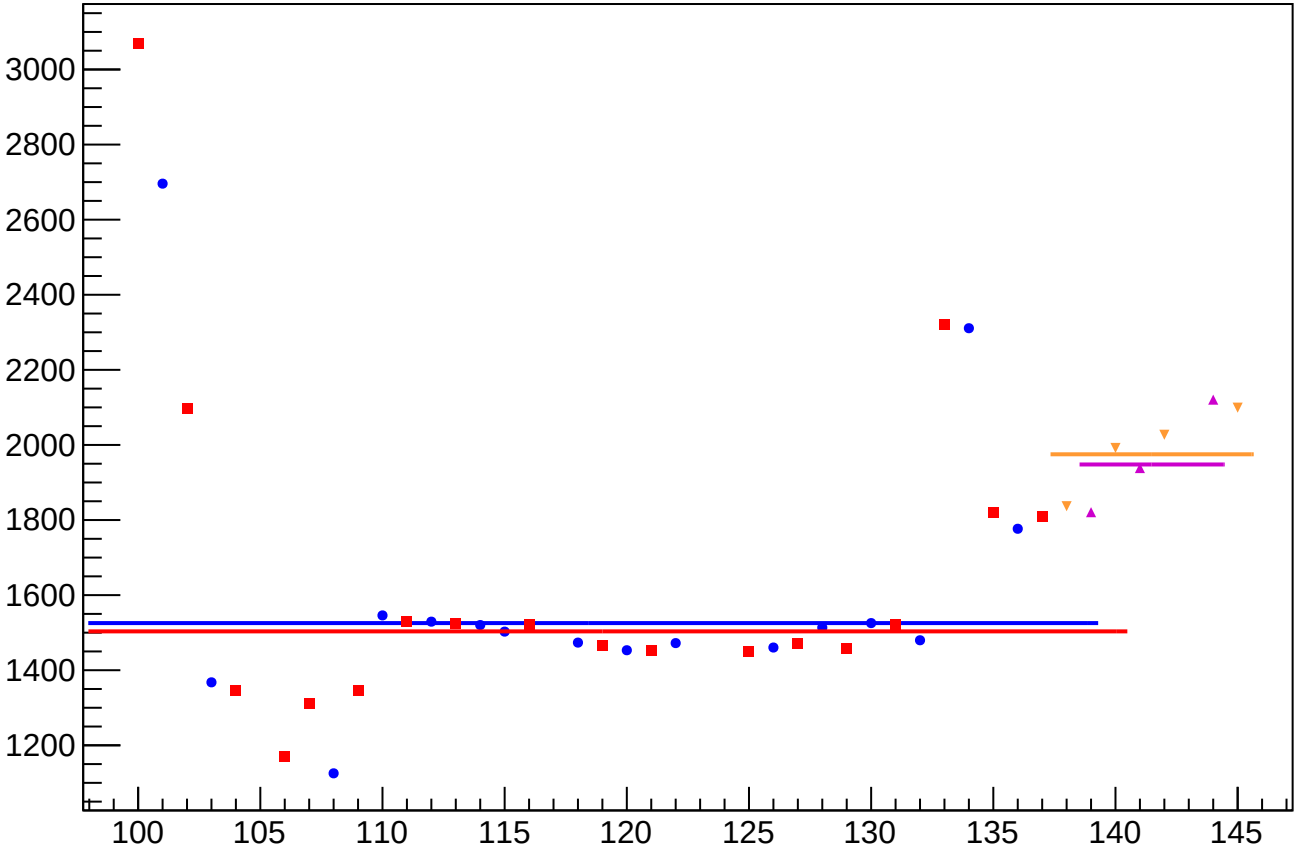
Left In: 2159.530+/-1203.907 χ^2/NDF:0.5/2

\+ sign -669.631+/-518.014 χ^2/NDF: 13.1/19

All: 80.751+/-366.619 χ^2/NDF: 37.1/40

\- sign 833.824+/-518.943 χ^2/NDF: 19.7/20

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

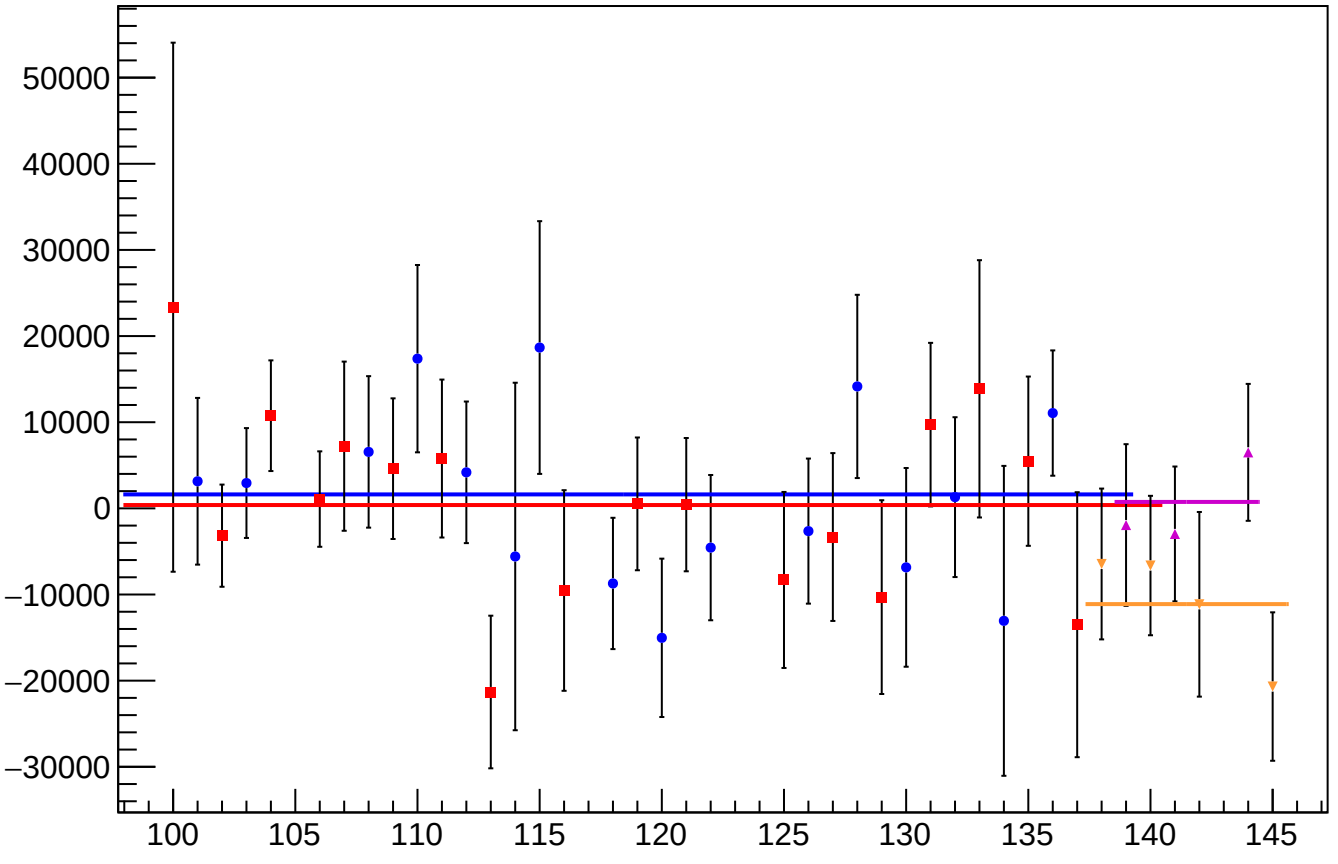
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1947.979+/-0.851 χ^2/NDF:20189.9/2

+ sign 1614.094+/-0.366 χ^2/NDF: 741812.8/19

All: 1600.065+/-0.259 χ^2/NDF: 1325498.2/40

- sign 1585.993+/-0.367 χ^2/NDF: 580747.1/20



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -11113.752+/-4450.007 χ^2/NDF:1.8/3

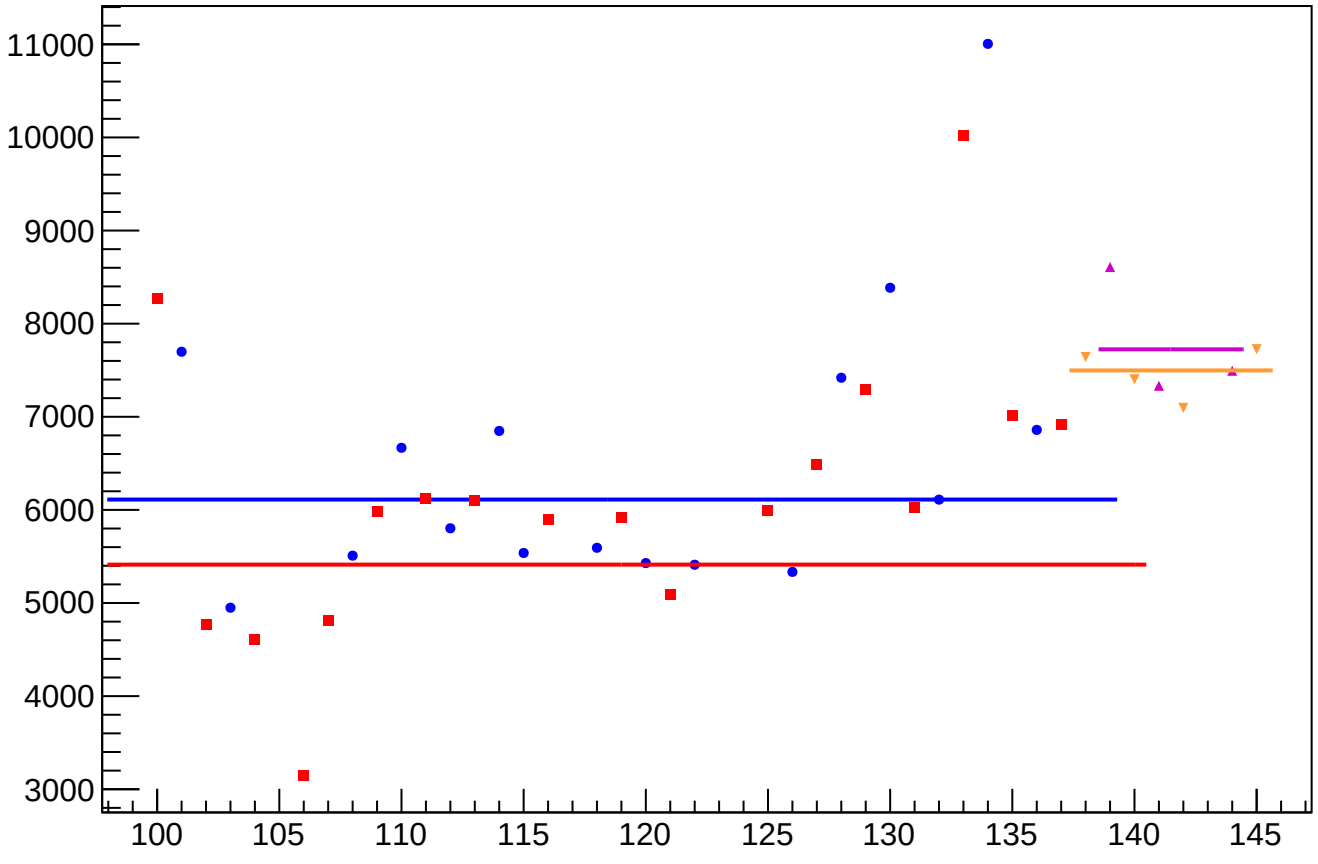
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 747.226+/-4793.587 χ^2/NDF:0.8/2

\+ sign -1101.406+/-2057.229 χ^2/NDF: 22.5/19

All: -265.609+/-1393.123 χ^2/NDF: 39.7/40

\- sign 442.302+/-1893.309 χ^2/NDF: 16.8/20



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7497.856+/-3.147 χ^2/NDF:5035.2/3

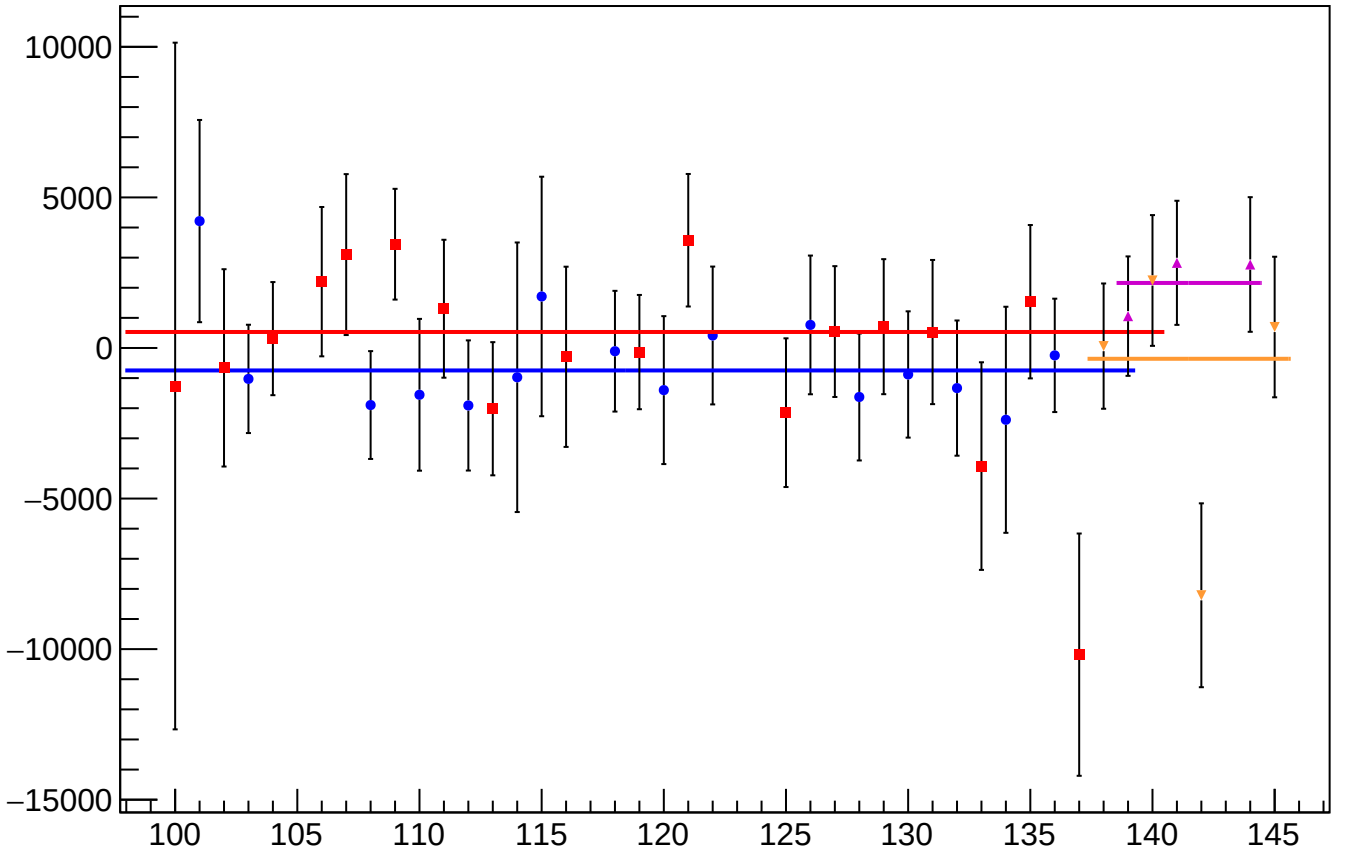
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7724.514+/-3.390 χ^2/NDF:24425.5/2

+ sign 6407.427+/-1.455 χ^2/NDF: 629427.1/19

All: 6063.925+/-0.985 χ^2/NDF: 1971121.6/40

- sign 5772.983+/-1.339 χ^2/NDF: 1238706.4/20



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

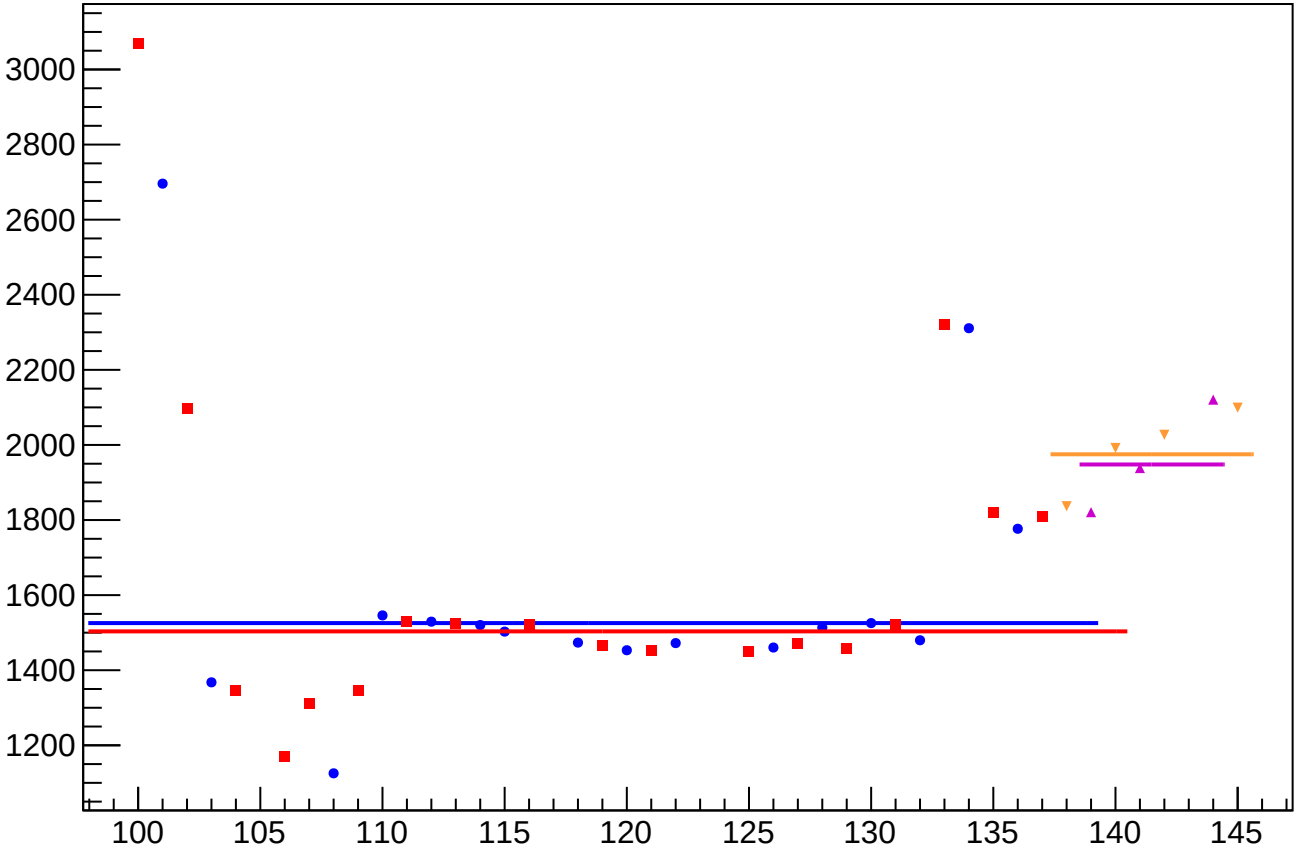
Left In: 2159.522+/-1203.909 χ^2/NDF:0.5/2

+ sign -669.640+/-518.015 χ^2/NDF: 13.1/19

All: 80.749+/-366.619 χ^2/NDF: 37.1/40

- sign 833.830+/-518.943 χ^2/NDF: 19.7/20

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

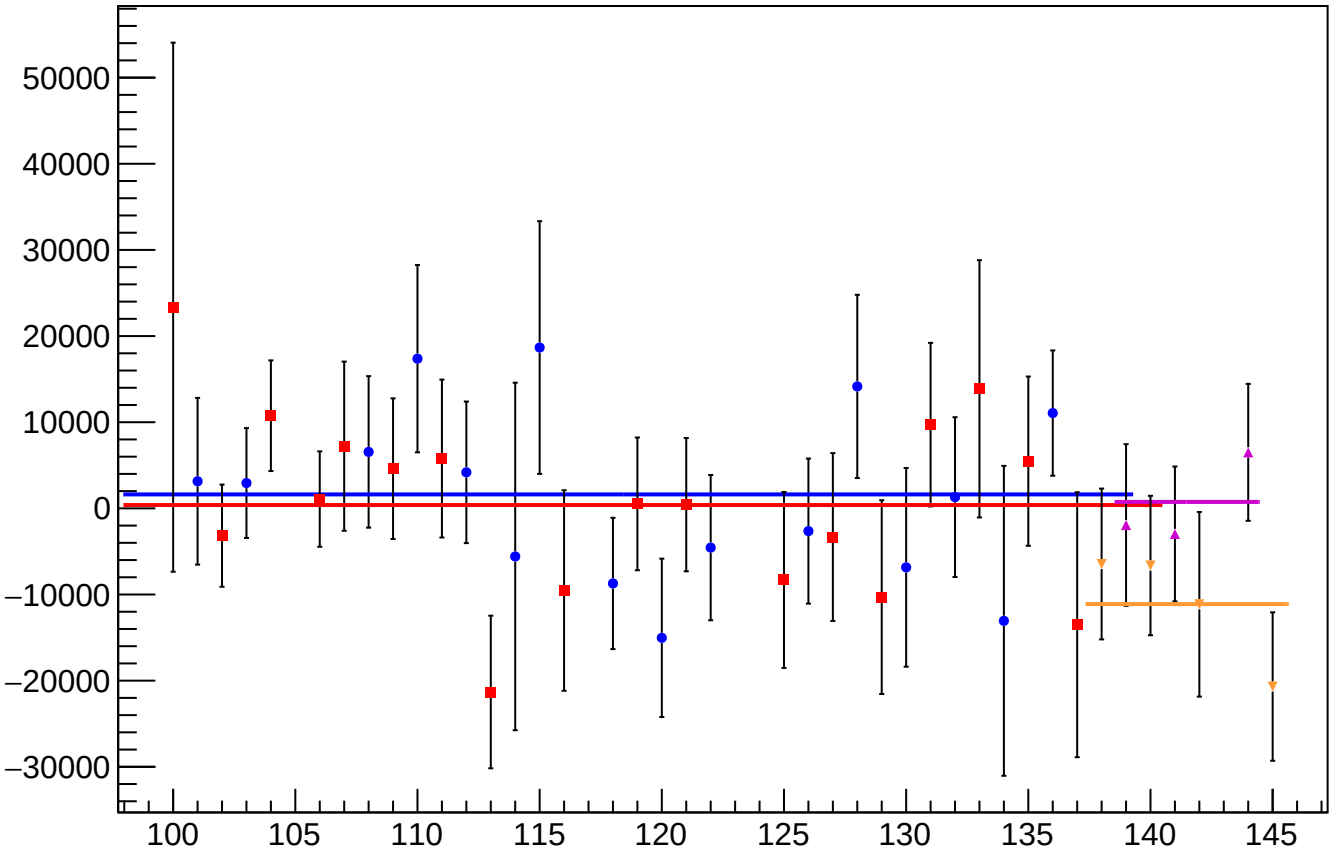
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1947.981+/-0.851 χ^2/NDF:20189.9/2

+ sign 1614.094+/-0.366 χ^2/NDF: 741815.1/19

All: 1600.066+/-0.259 χ^2/NDF: 1325502.7/40

- sign 1585.993+/-0.367 χ^2/NDF: 580749.4/20



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -11113.782+/-4450.015 χ^2/NDF:1.8/3

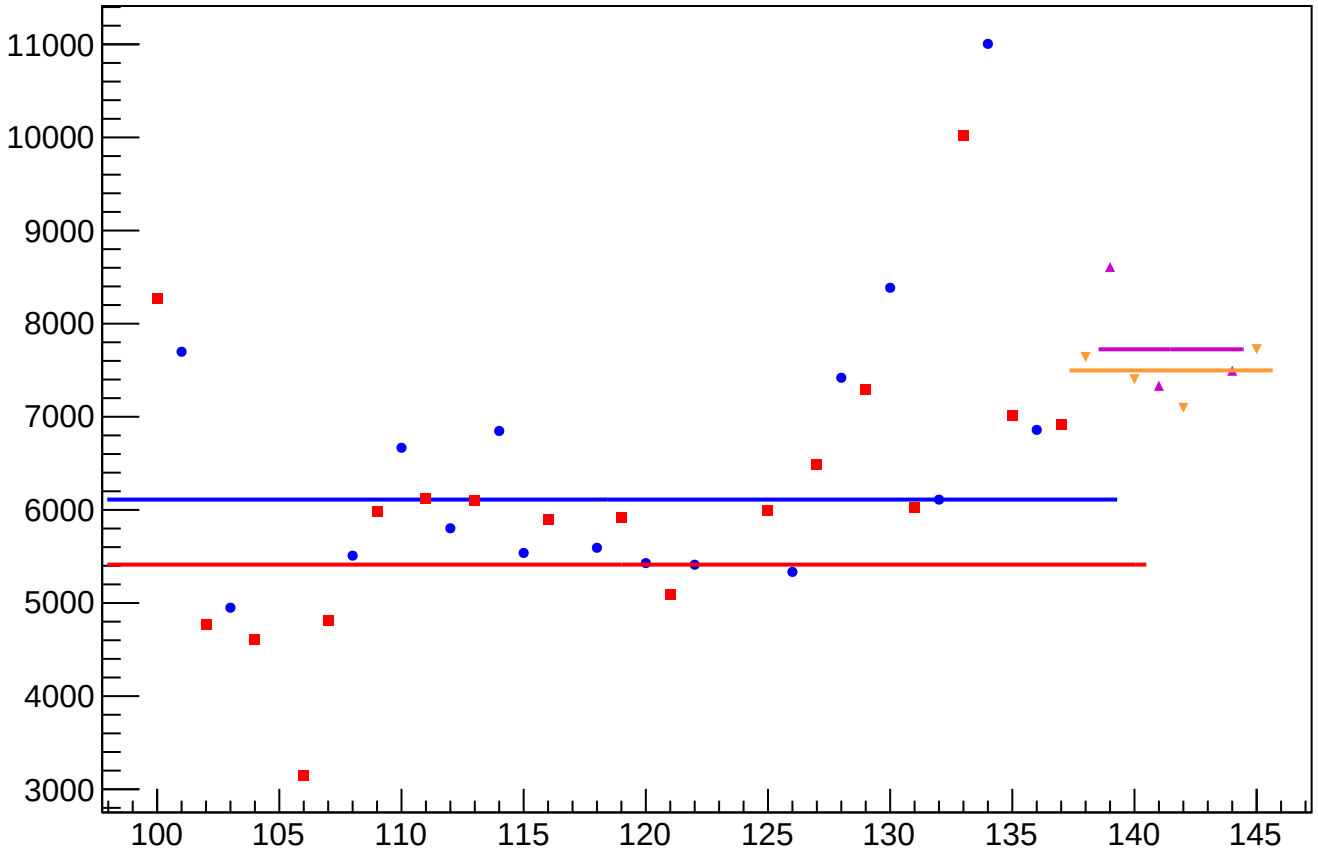
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 747.219+/-4793.594 χ^2/NDF:0.8/2

+ sign -1101.411+/-2057.227 χ^2/NDF: 22.5/19

All: -265.609+/-1393.121 χ^2/NDF: 39.7/40

- sign 442.306+/-1893.306 χ^2/NDF: 16.8/20



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

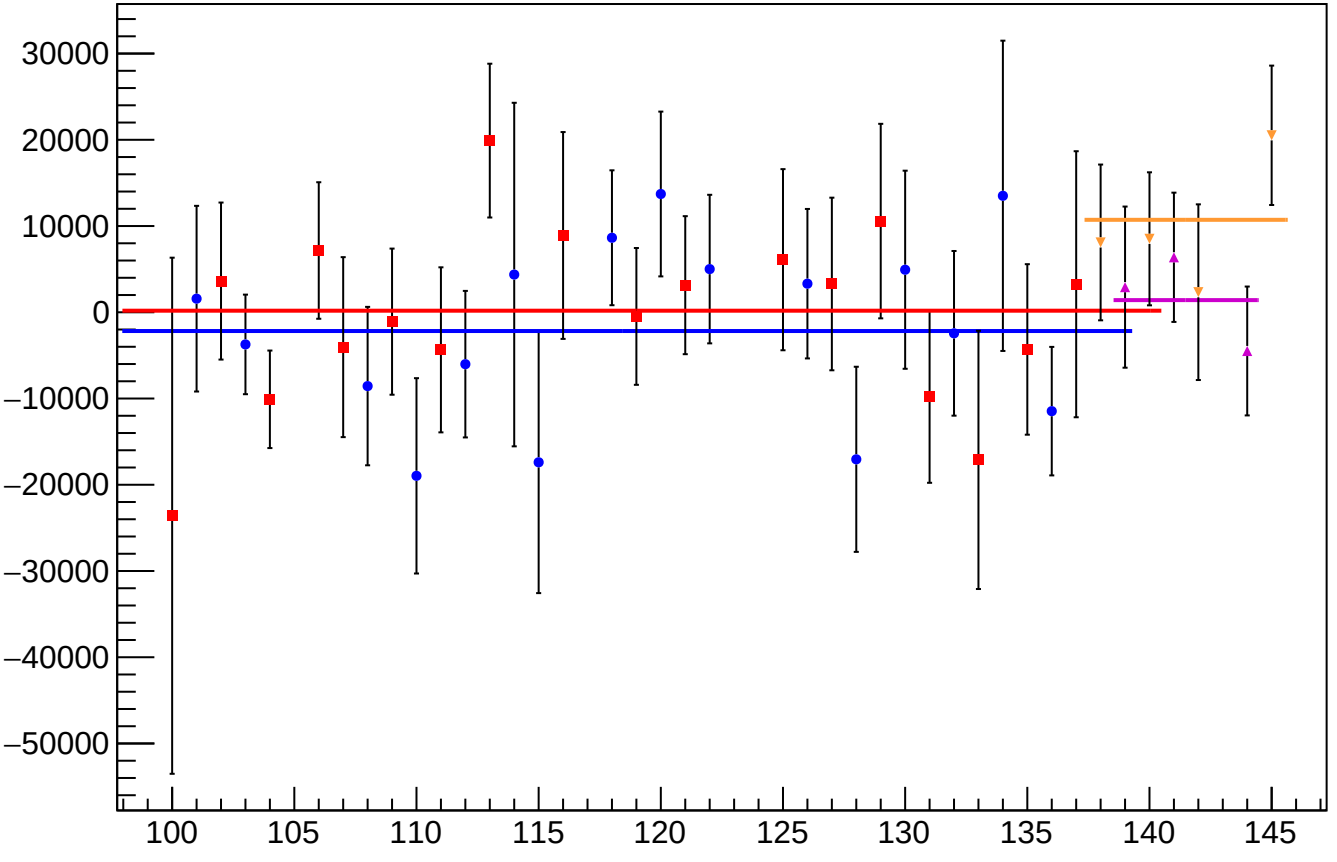
Left In: 7724.525+/-3.390 χ^2/NDF:24426.1/2

+ sign 6407.417+/-1.455 χ^2/NDF: 629435.1/19

All: 6063.915+/-0.985 χ^2/NDF: 1971137.7/40

- sign 5772.973+/-1.339 χ^2/NDF: 1238714.1/20

asym_us_avg_at2lr_avg_dd_mean vs Slug



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

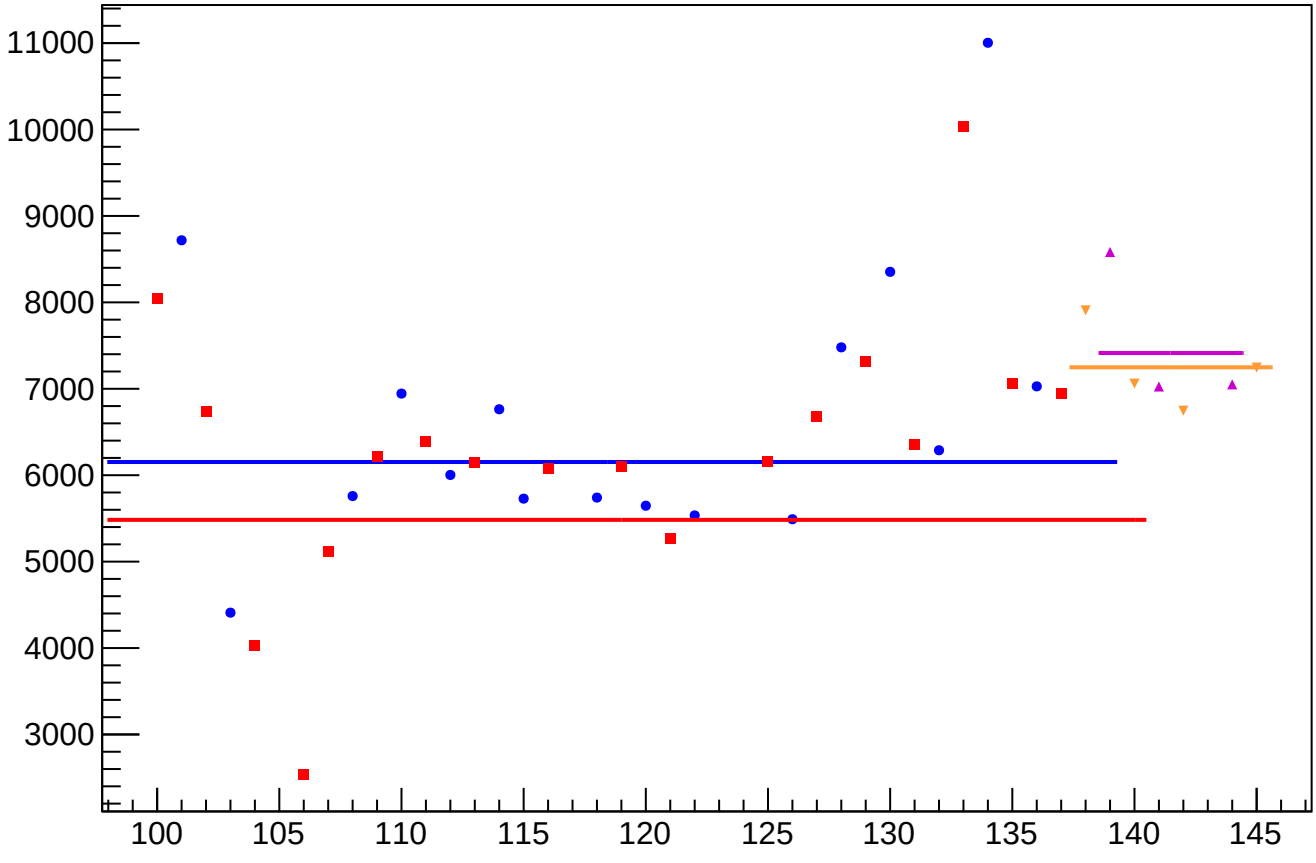
Left In: 1410.451+/-4604.094 χ^2/NDF:1.1/2

+ sign 784.609+/-2060.808 χ^2/NDF: 23.8/19

All: 595.610+/-1437.502 χ^2/NDF: 39.6/40

- sign 416.502+/-2006.162 χ^2/NDF: 15.8/20

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

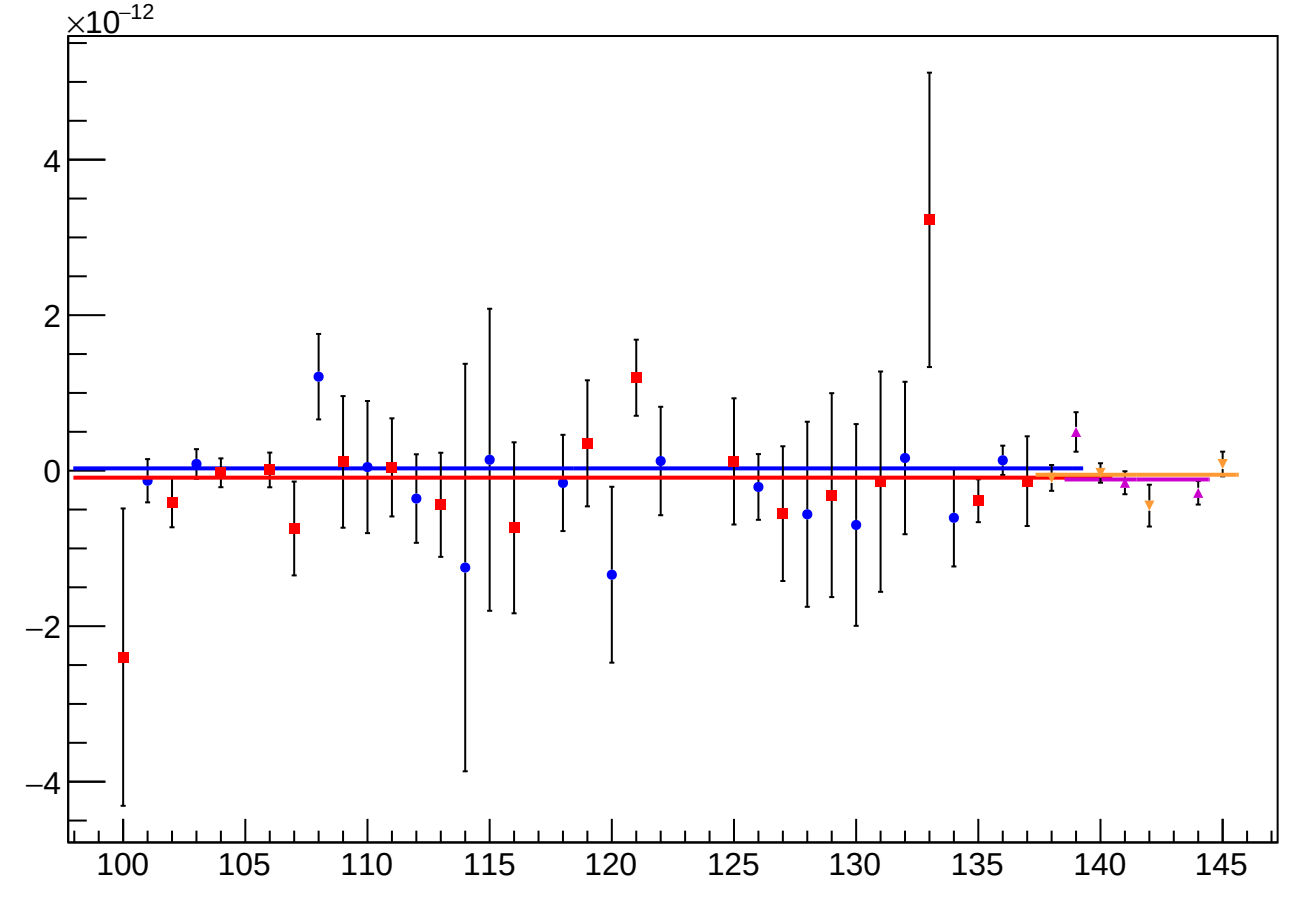
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7413.895+/-3.256 χ^2/NDF:41356.5/2

\+ sign 6404.155+/-1.457 χ^2/NDF: 740739.5/19

All: 6100.105+/-1.001 χ^2/NDF: 2301962.3/40

\- sign 5828.652+/-1.377 χ^2/NDF: 1478818.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

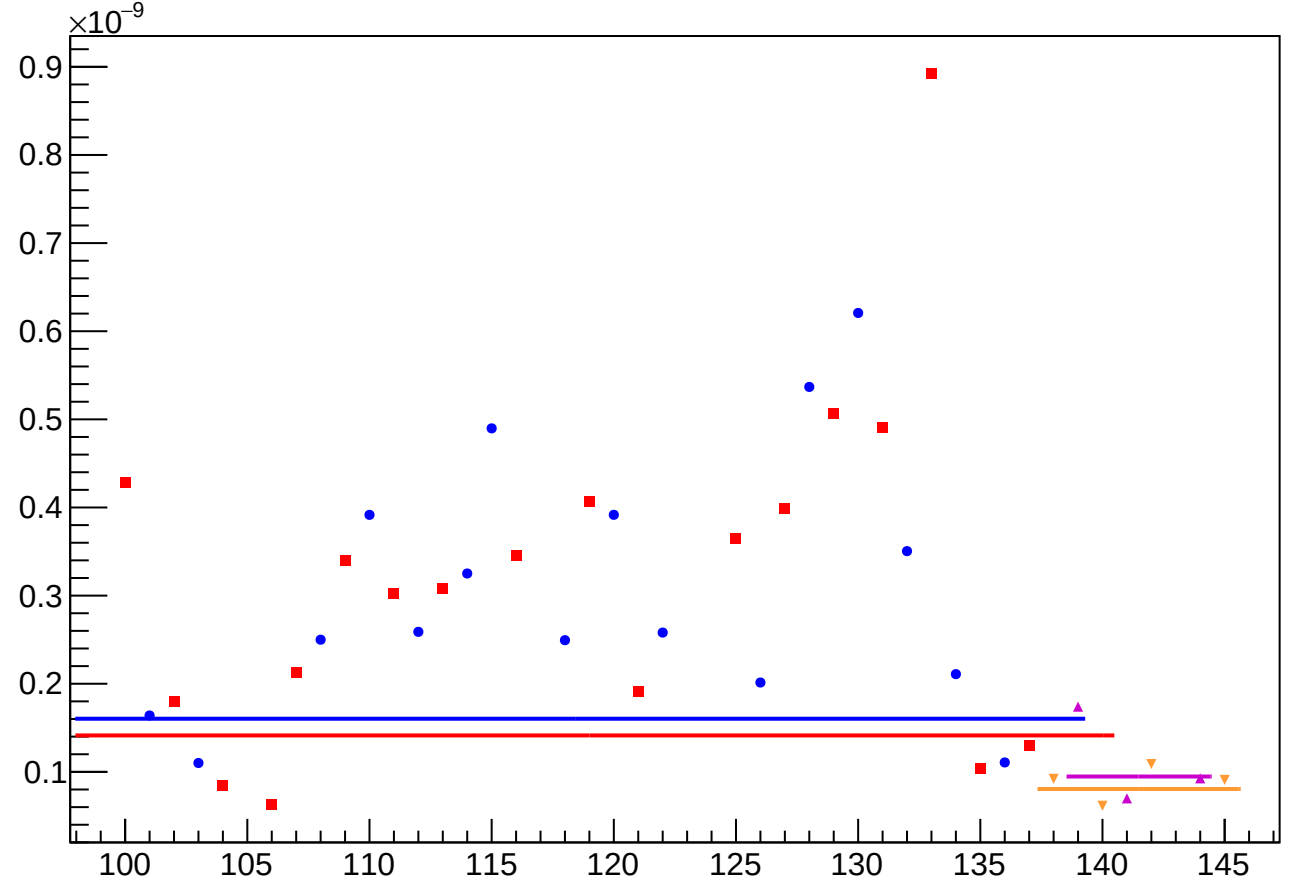
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:7.2/2

+ sign -0.000+/-0.000 χ^2/NDF: 13.0/19

All: -0.000+/-0.000 χ^2/NDF: 37.3/40

- sign -0.000+/-0.000 χ^2/NDF: 23.7/20



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

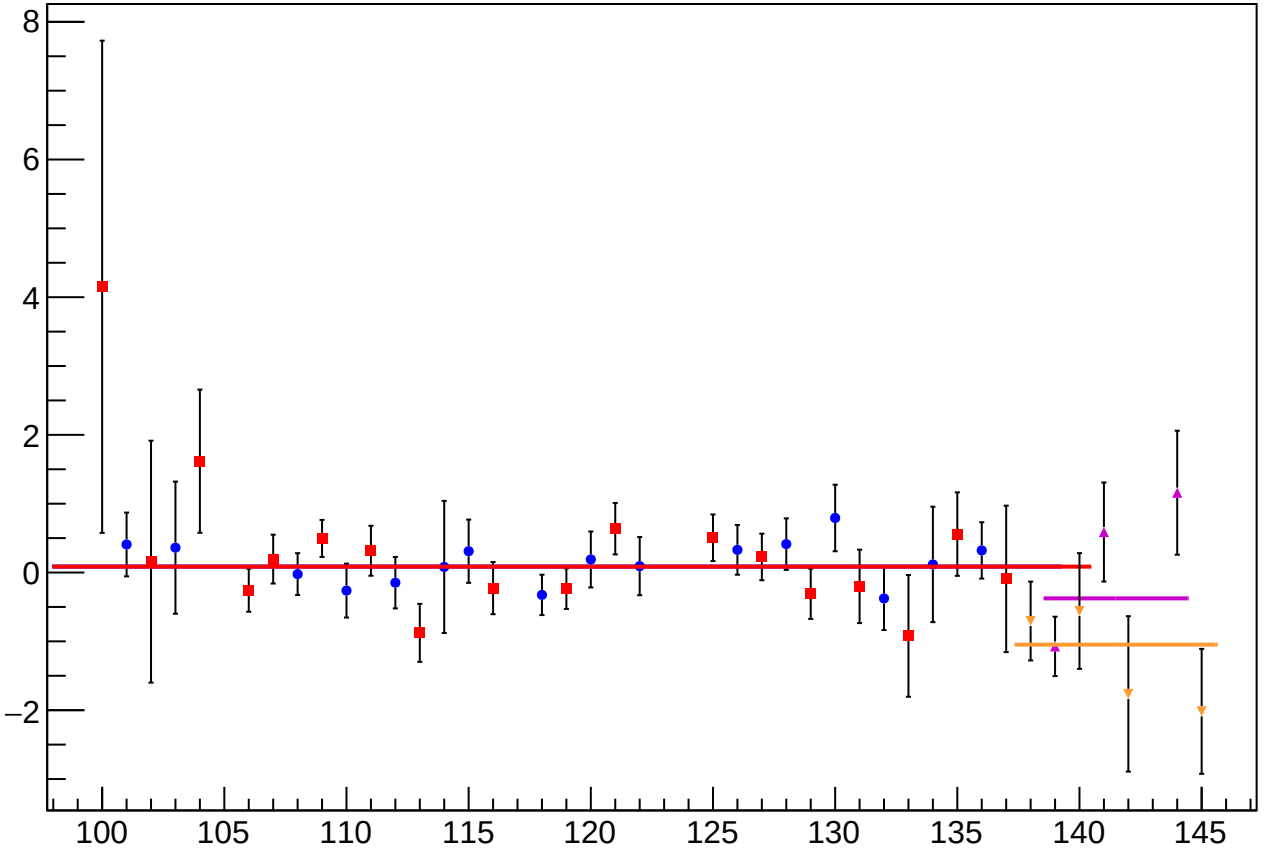
Left In: 0.000+/-0.000 χ^2/NDF:251545.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 2153306.5/19

All: 0.000+/-0.000 χ^2/NDF: 4796542.1/40

- sign 0.000+/-0.000 χ^2/NDF: 2634530.4/20

asym_us_avg_at2lr_avg_dd_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

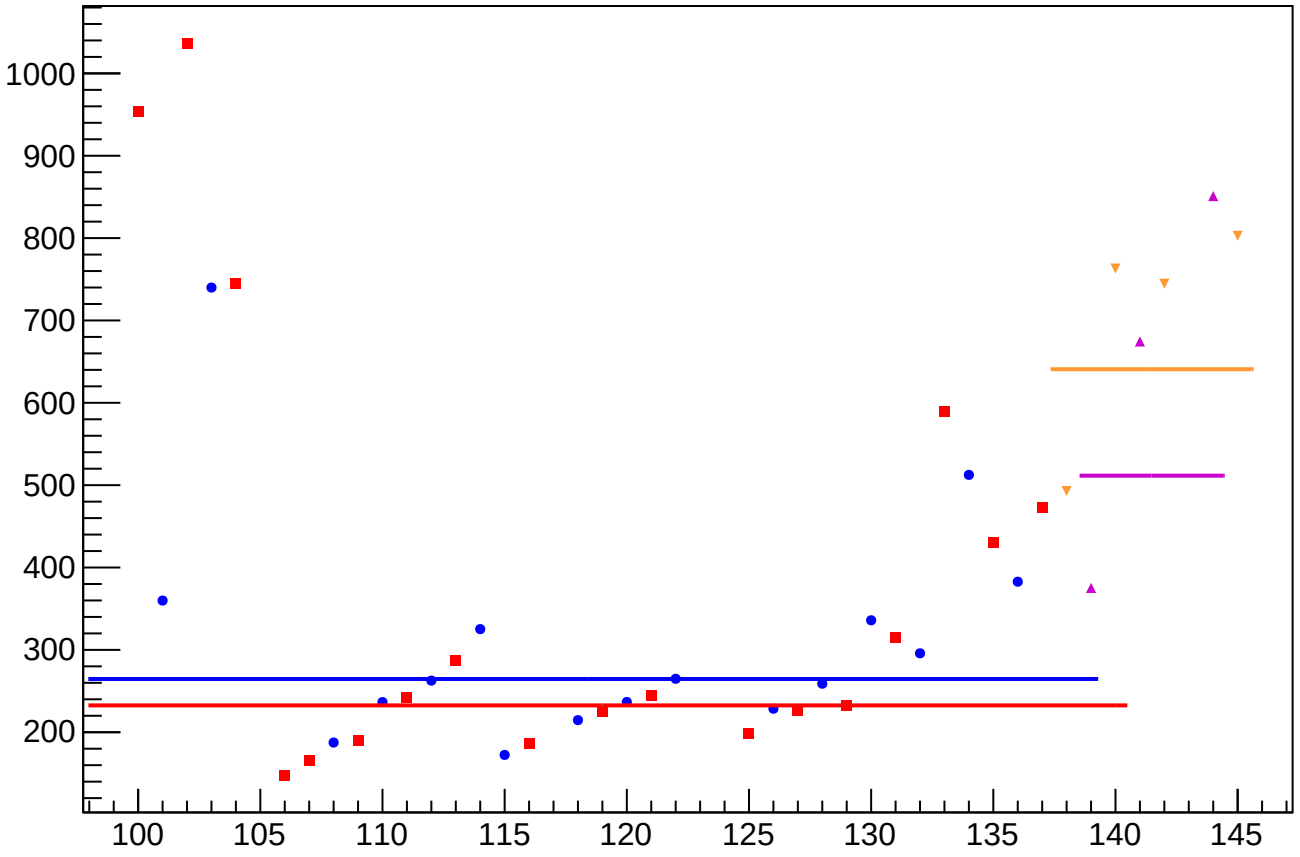
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.376+/-0.342 χ^2/NDF:7.3/2

+ sign 0.011+/-0.102 χ^2/NDF: 18.8/19

All: 0.033+/-0.069 χ^2/NDF: 49.8/40

- sign 0.051+/-0.094 χ^2/NDF: 30.8/20



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

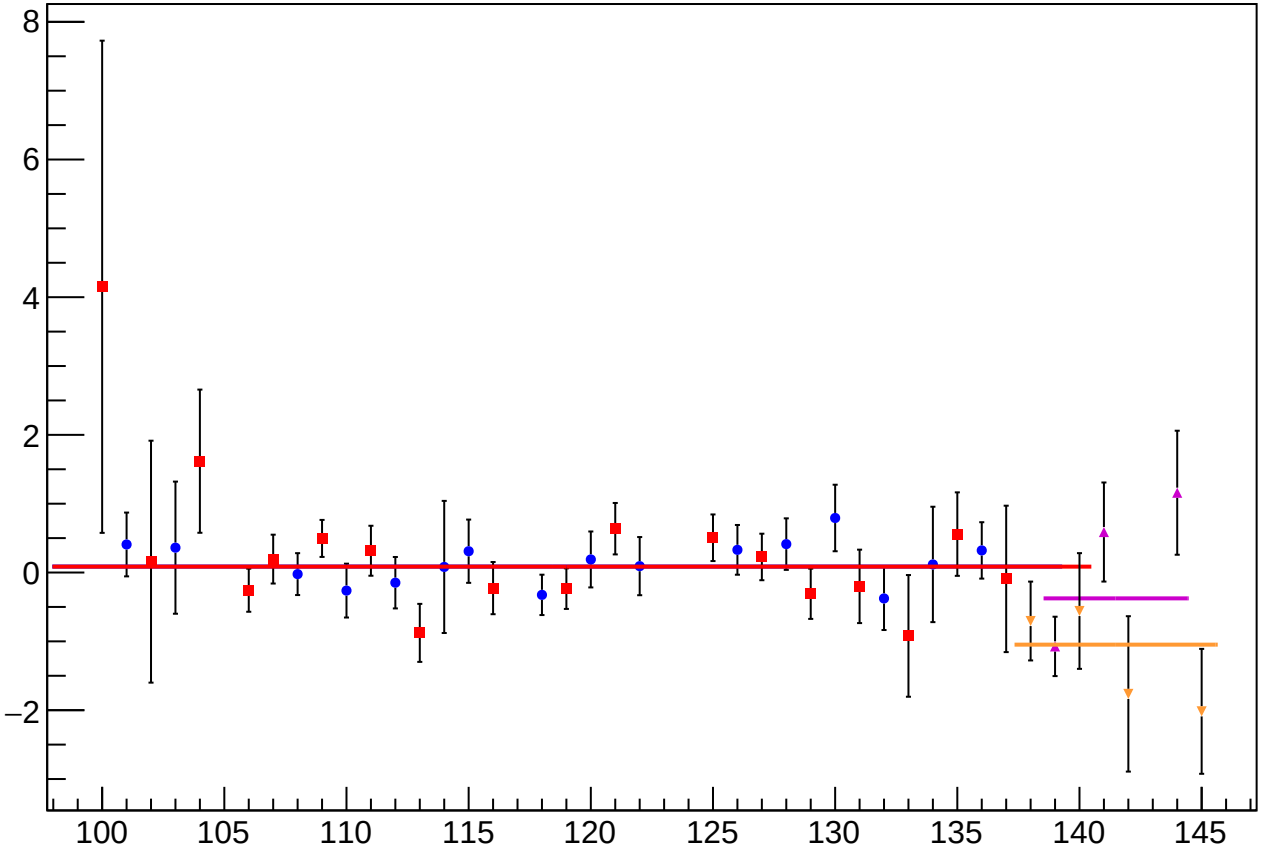
Left In: 511.550+/-0.242 χ^2/NDF:586182.8/2

+ sign 289.723+/-0.072 χ^2/NDF: 3247478.1/19

All: 270.136+/-0.049 χ^2/NDF: 7233659.5/40

- sign 253.476+/-0.066 χ^2/NDF: 3848397.9/20

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

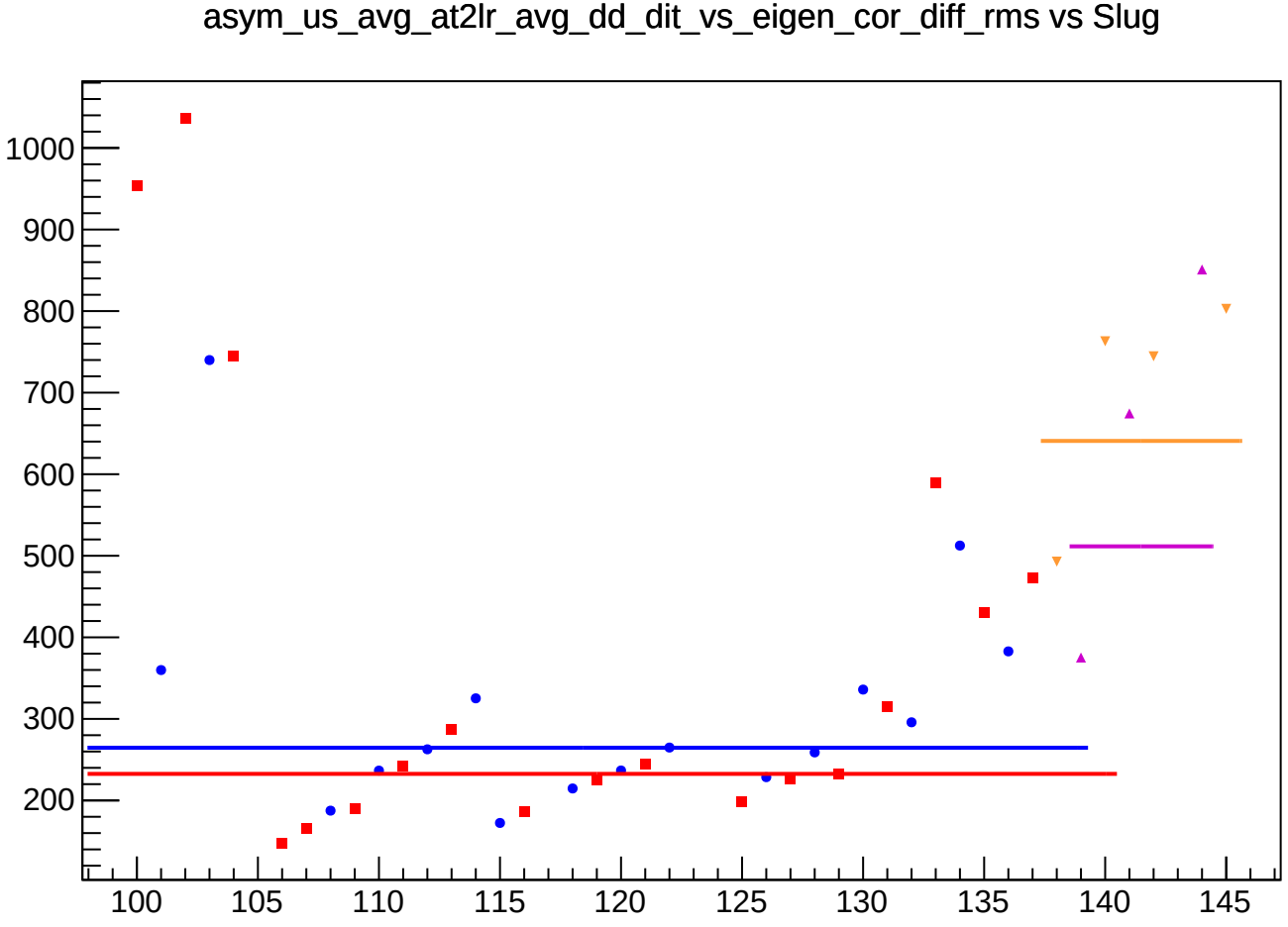
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.376+/-0.342 χ^2/NDF:7.3/2

+ sign 0.011+/-0.102 χ^2/NDF: 18.8/19

All: 0.033+/-0.069 χ^2/NDF: 49.8/40

- sign 0.051+/-0.094 χ^2/NDF: 30.8/20



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 640.795+/-0.278 χ^2/NDF:256411.8/3

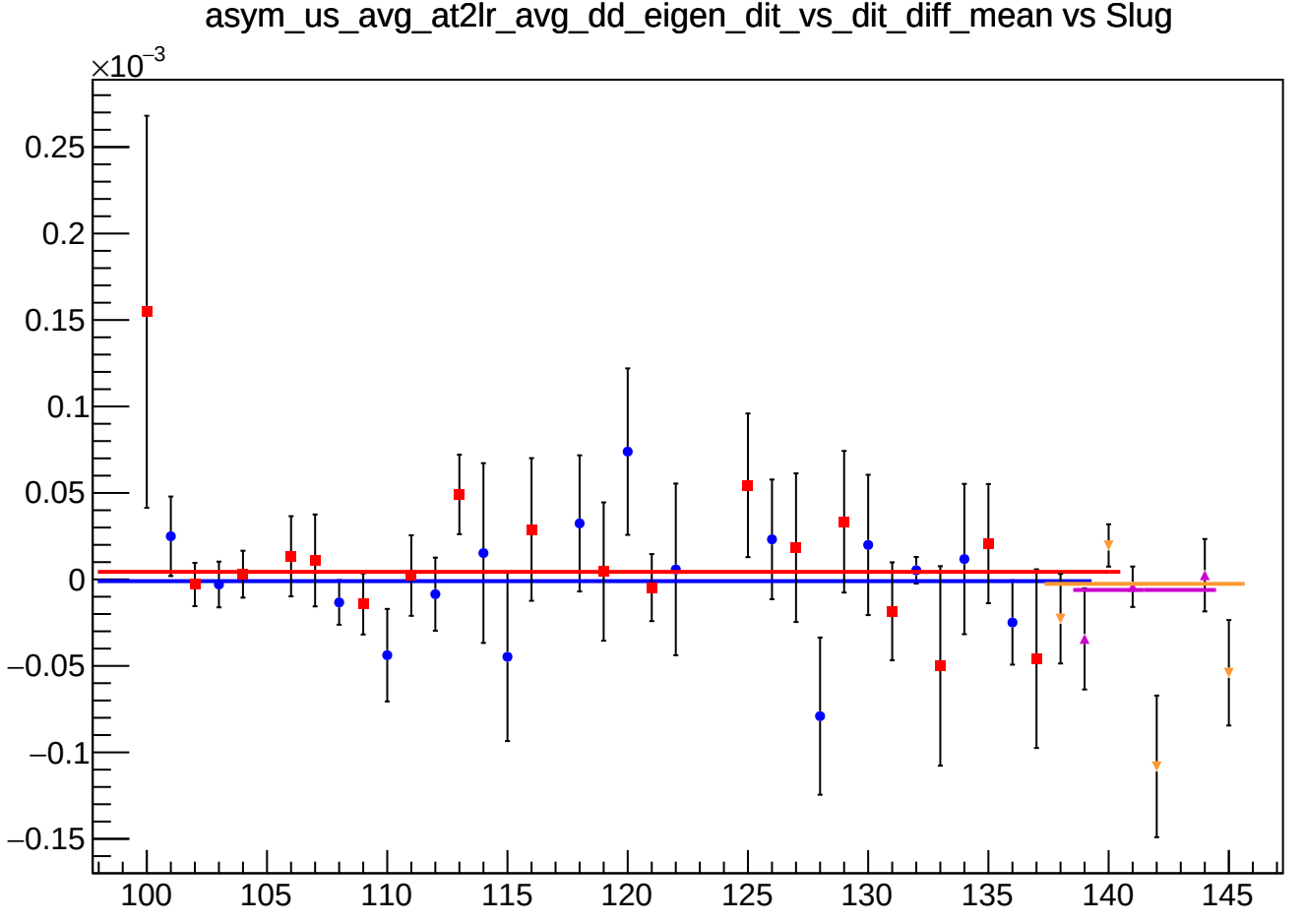
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 511.550+/-0.242 χ^2/NDF:586182.8/2

+ sign 289.723+/-0.072 χ^2/NDF: 3247478.1/19

All: 270.136+/-0.049 χ^2/NDF: 7233659.5/40

- sign 253.476+/-0.066 χ^2/NDF: 3848397.9/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/3

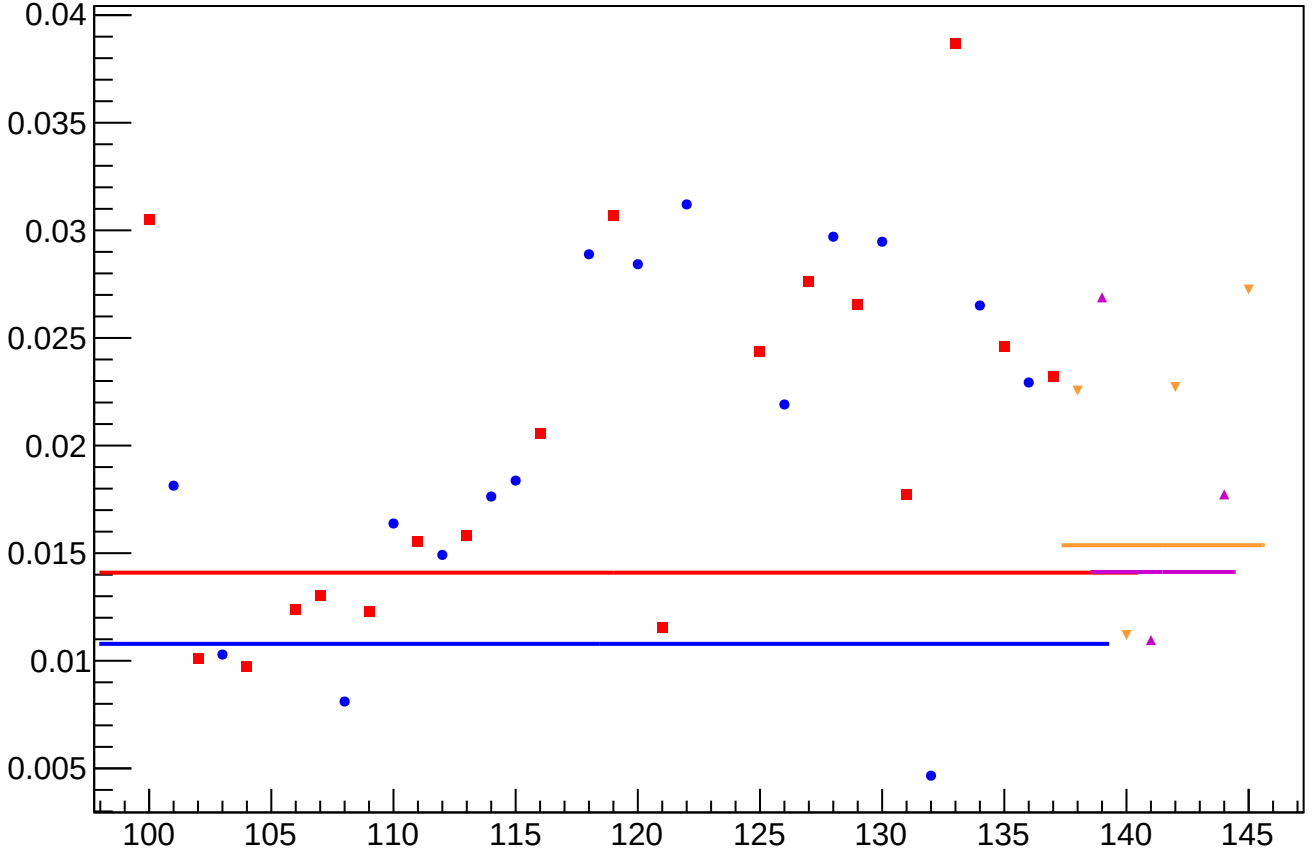
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/19

All: 0.000+/-0.000 χ^2/NDF: 42.6/40

- sign 0.000+/-0.000 χ^2/NDF: 14.6/20



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

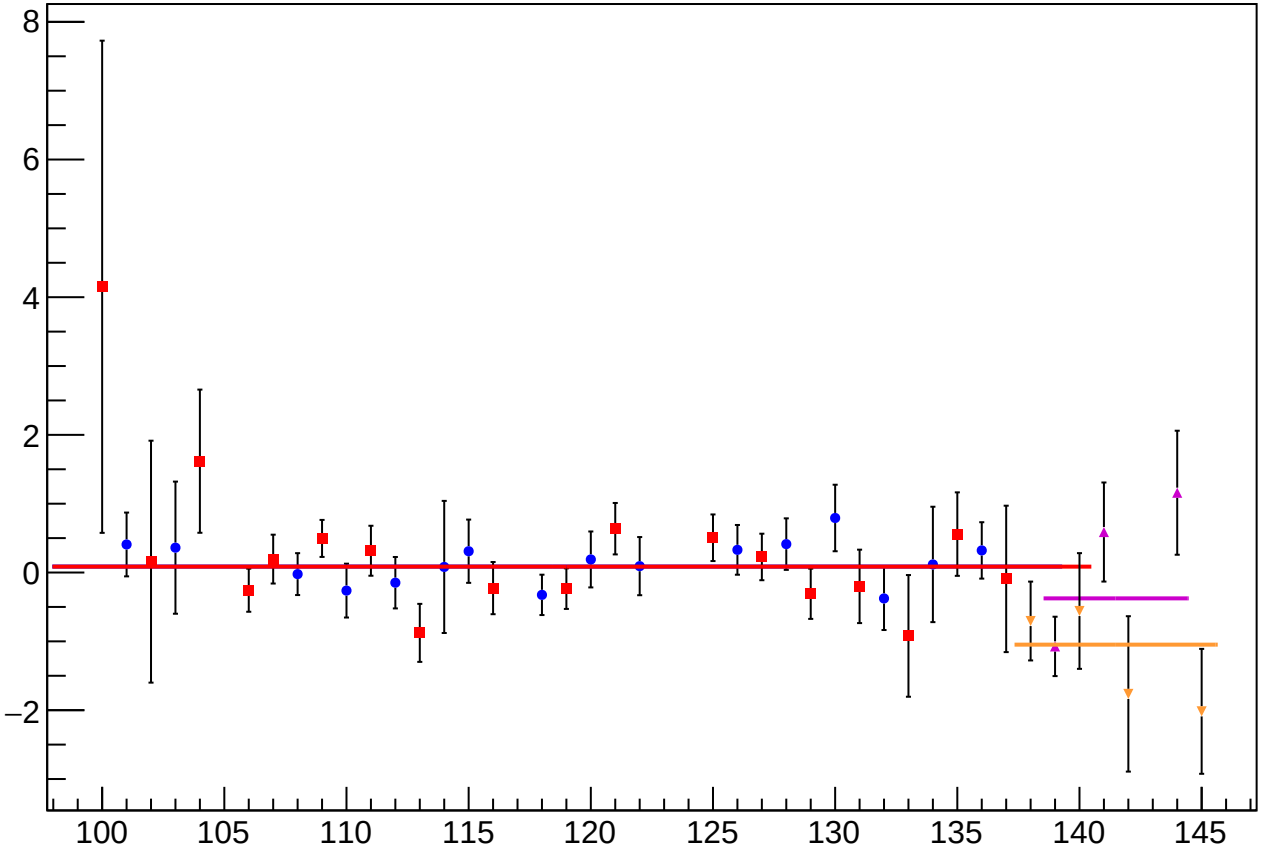
Left In: 0.014+/-0.000 χ^2/NDF:586468.9/2

+ sign 0.012+/-0.000 χ^2/NDF: 5666717.5/19

All: 0.013+/-0.000 χ^2/NDF: 8604508.5/40

- sign 0.014+/-0.000 χ^2/NDF: 2671427.4/20

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

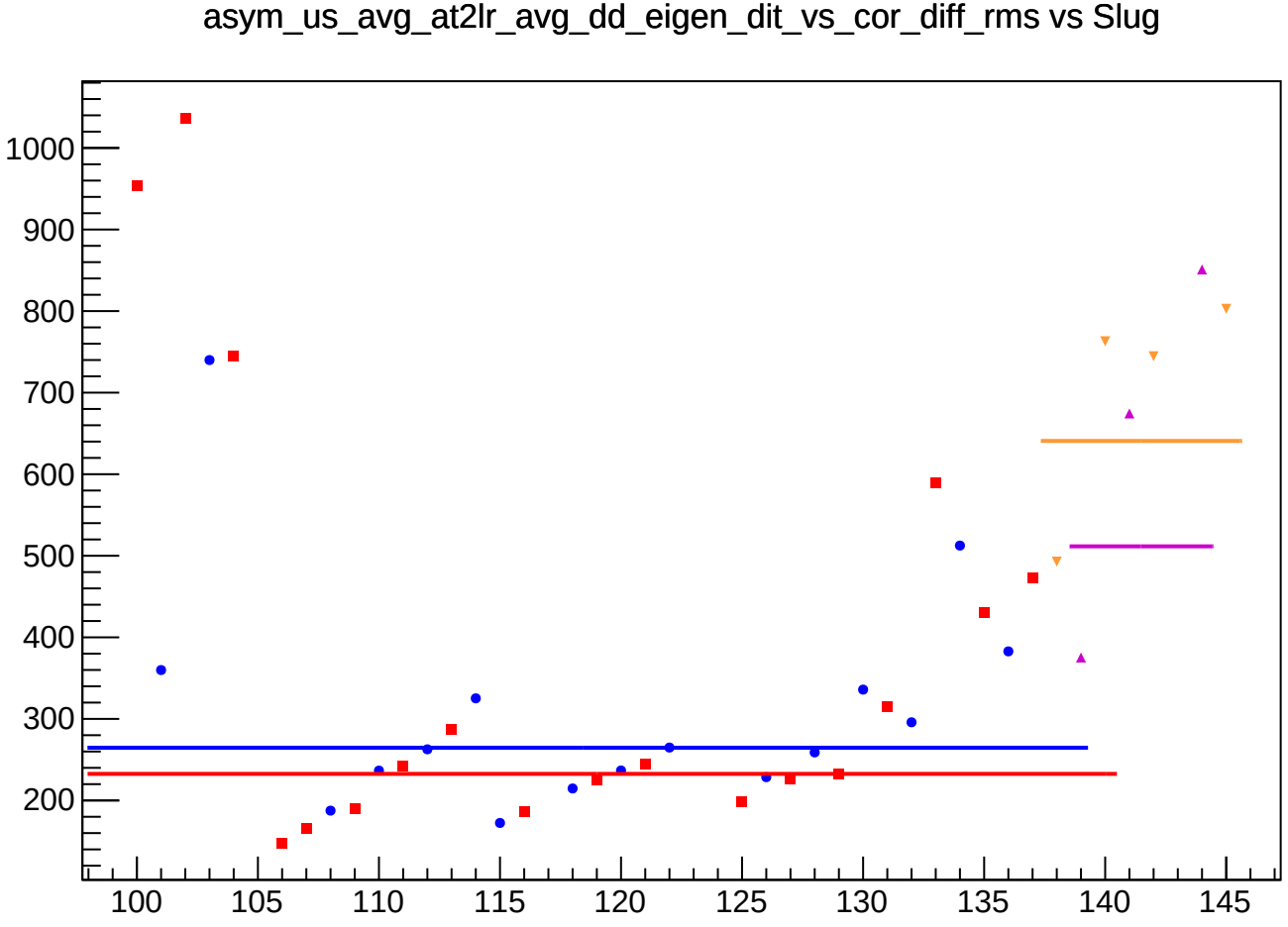
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.376+/-0.342 χ^2/NDF:7.3/2

+ sign 0.011+/-0.102 χ^2/NDF: 18.8/19

All: 0.033+/-0.069 χ^2/NDF: 49.8/40

- sign 0.051+/-0.094 χ^2/NDF: 30.8/20



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

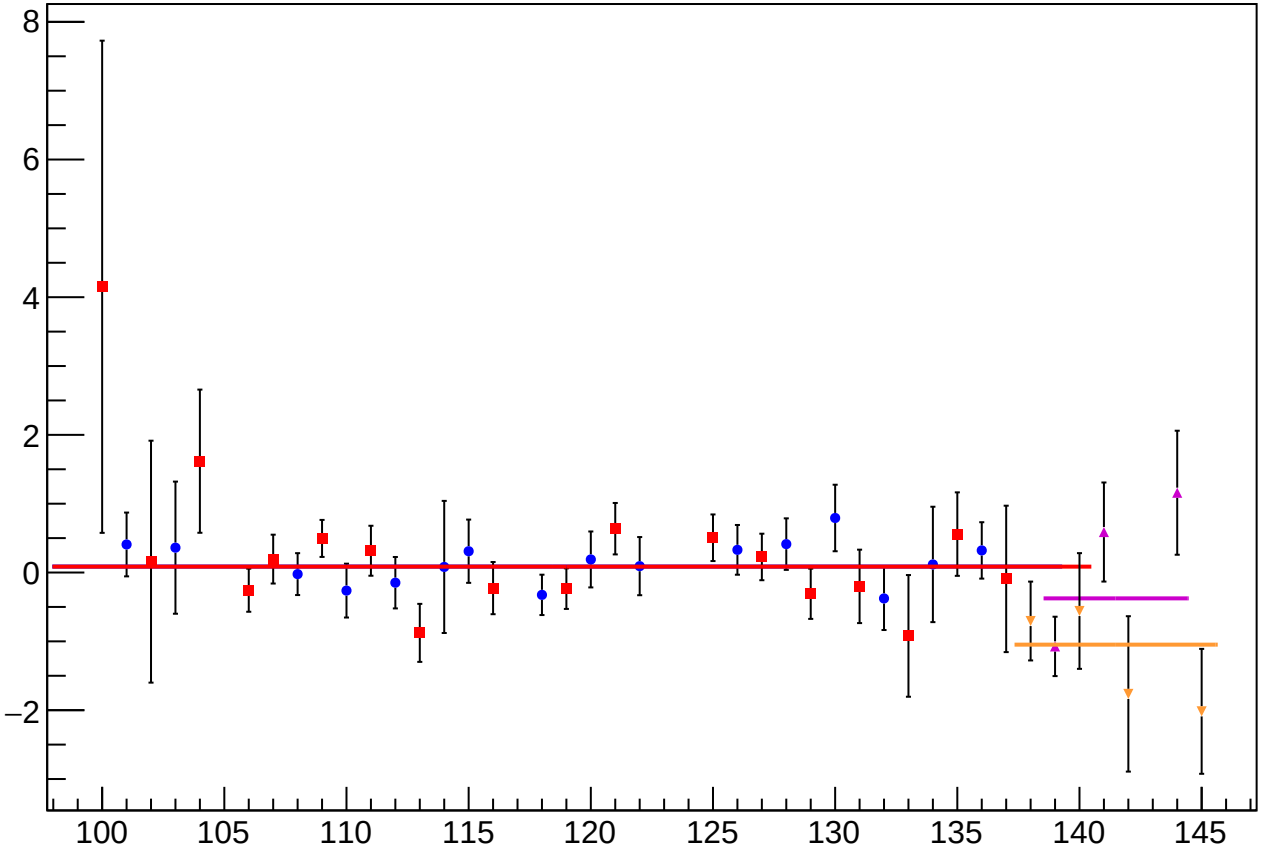
Left In: 511.560+/-0.242 χ^2/NDF:586161.2/2

+ sign 289.723+/-0.072 χ^2/NDF: 3247483.5/19

All: 270.136+/-0.049 χ^2/NDF: 7233669.2/40

- sign 253.477+/-0.066 χ^2/NDF: 3848410.5/20

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

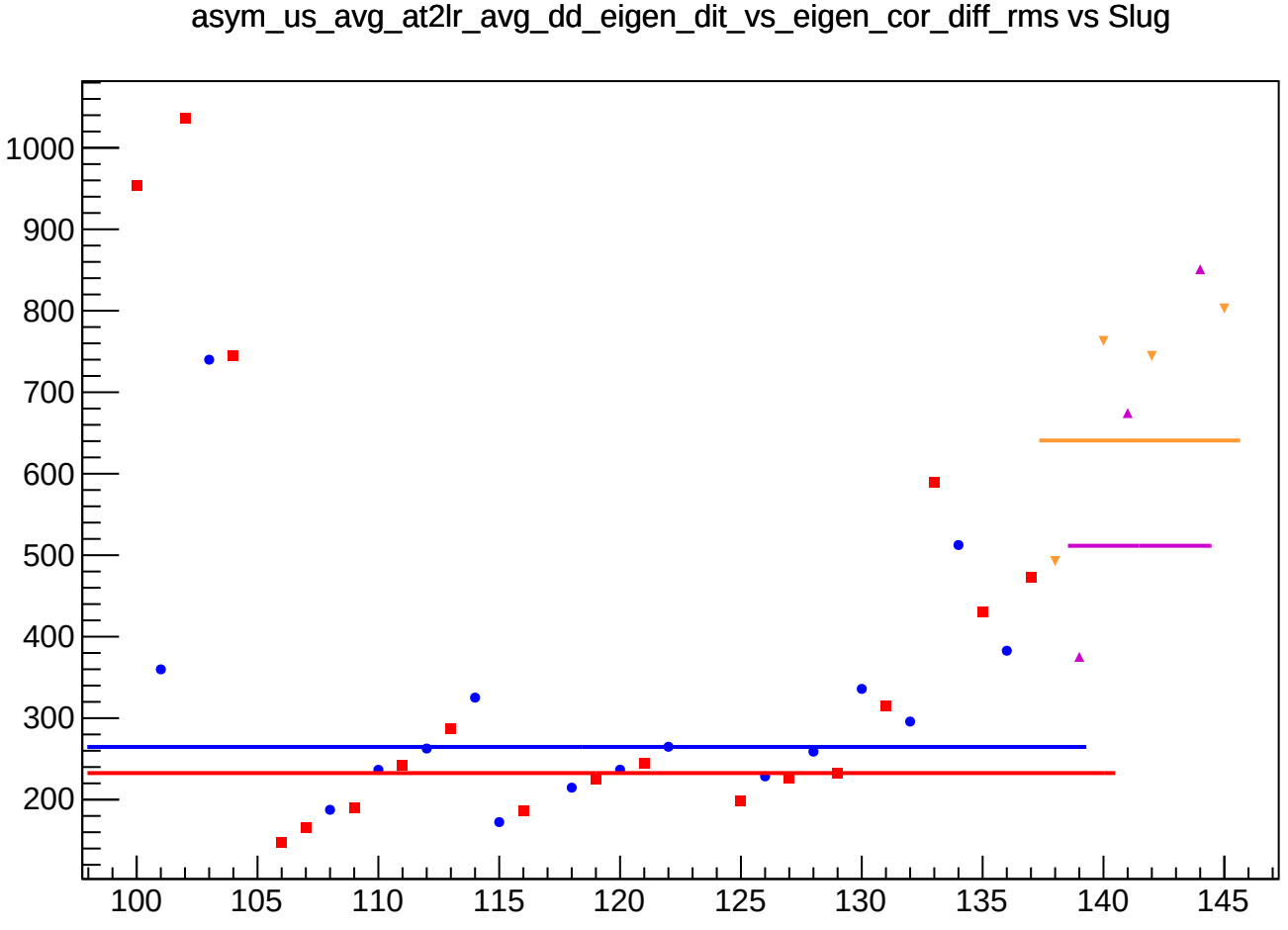
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.376+/-0.342 χ^2/NDF:7.3/2

+ sign 0.011+/-0.102 χ^2/NDF: 18.8/19

All: 0.033+/-0.069 χ^2/NDF: 49.8/40

- sign 0.051+/-0.094 χ^2/NDF: 30.8/20



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 640.802+/-0.278 χ^2/NDF:256412.0/3

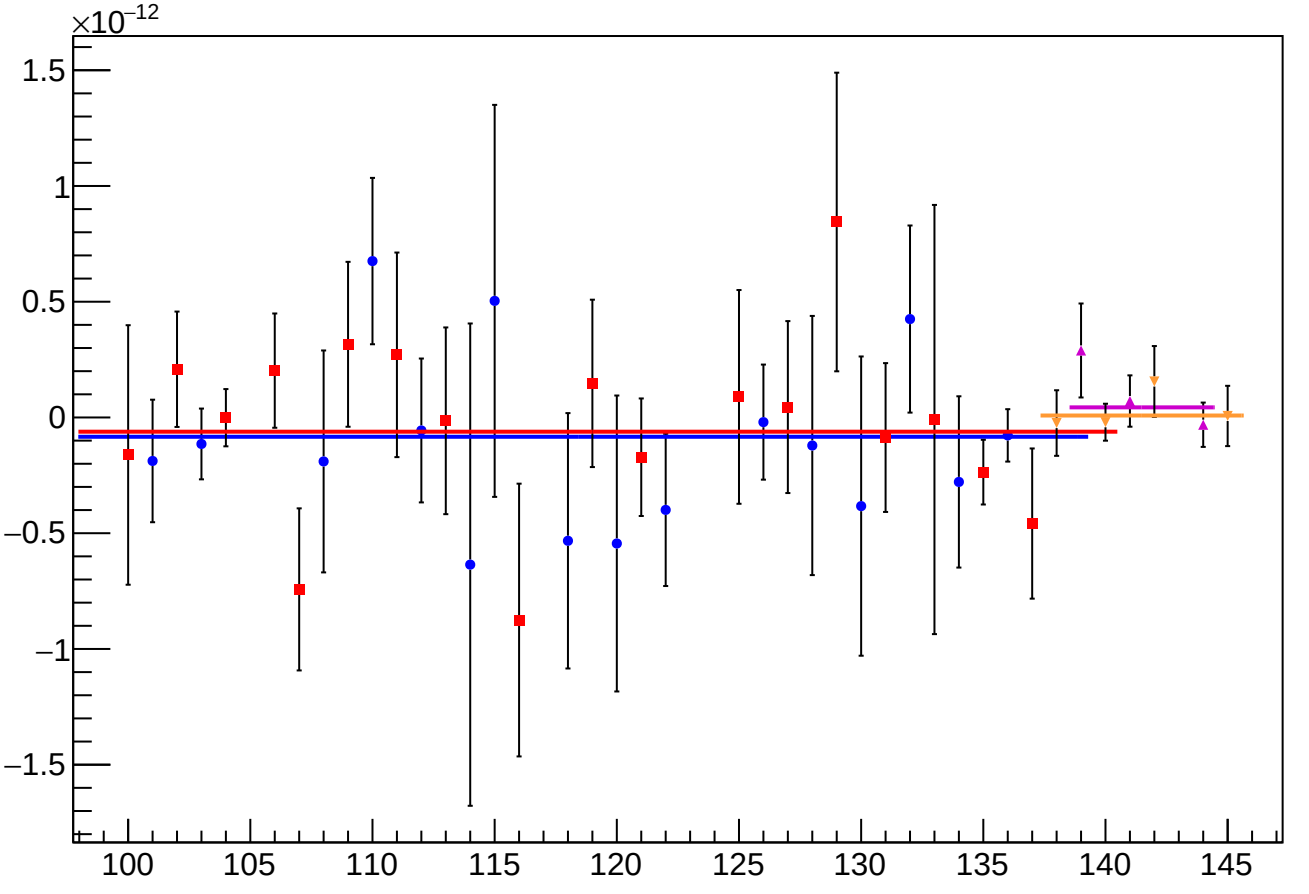
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 511.560+/-0.242 χ^2/NDF:586161.2/2

+ sign 289.723+/-0.072 χ^2/NDF: 3247483.5/19

All: 270.136+/-0.049 χ^2/NDF: 7233669.2/40

- sign 253.477+/-0.066 χ^2/NDF: 3848410.5/20



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/3

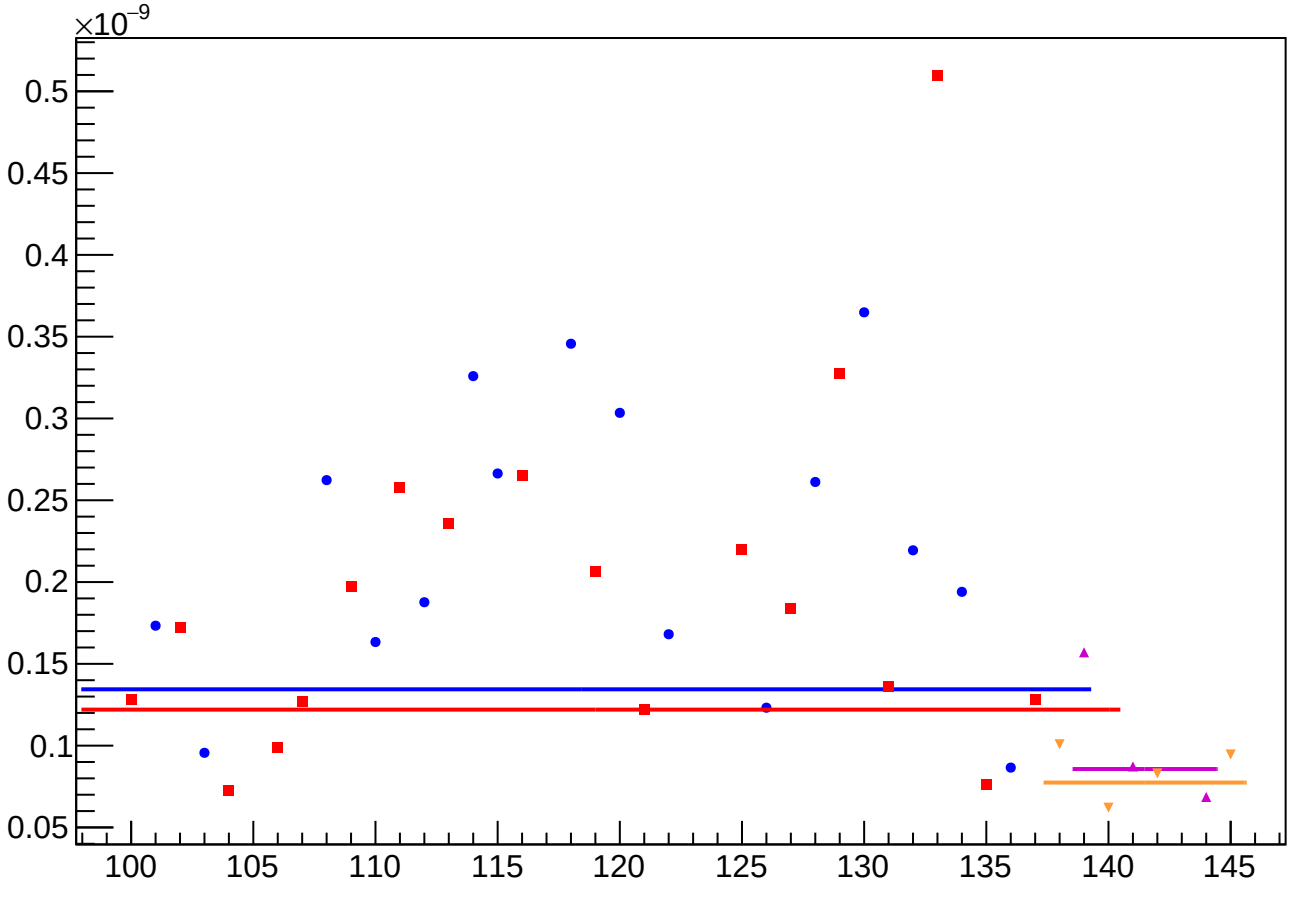
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 11.9/19

All: -0.000+/-0.000 χ^2/NDF: 31.1/40

- sign -0.000+/-0.000 χ^2/NDF: 19.1/20



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

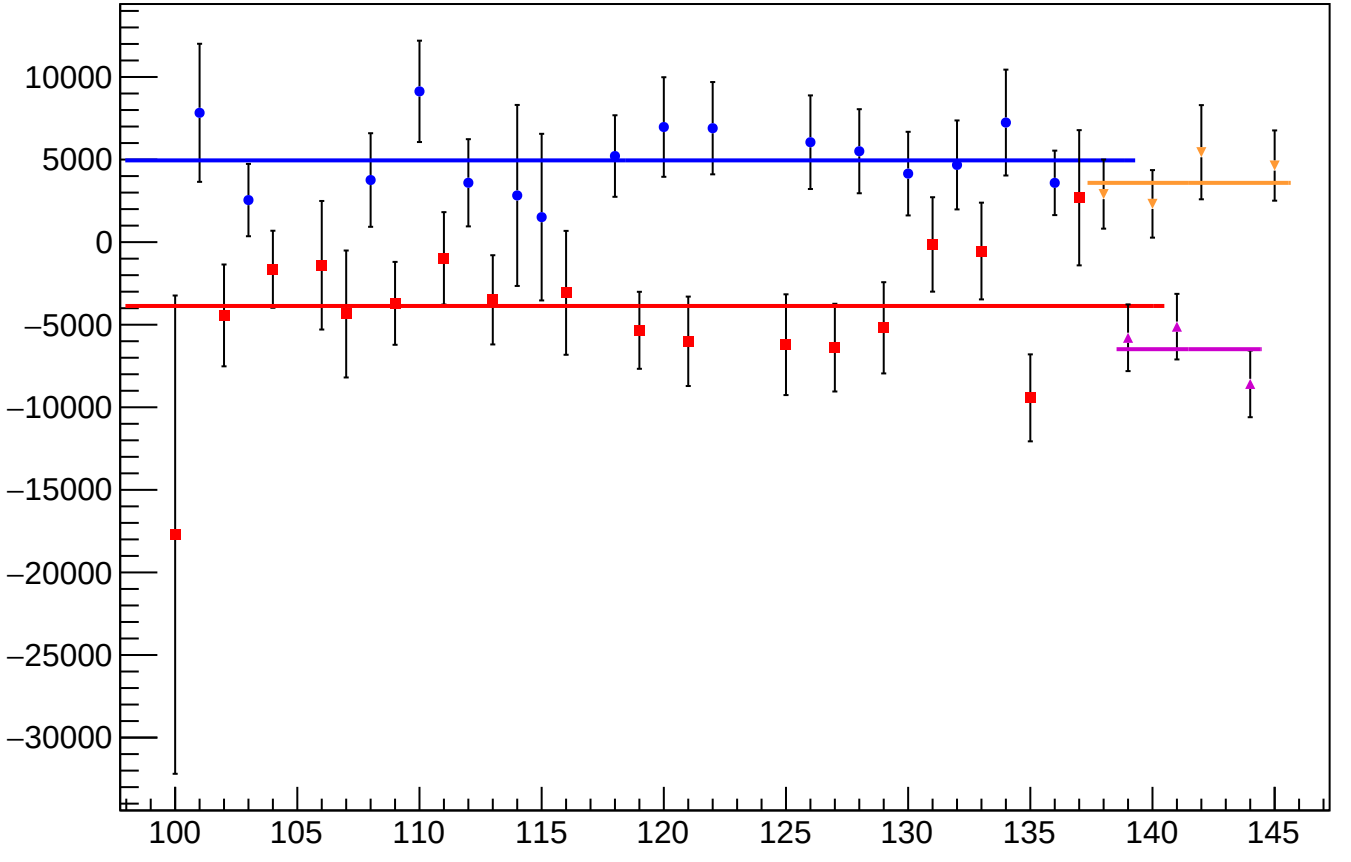
Left In: 0.000+/-0.000 χ^2/NDF:311064.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 2792954.3/19

All: 0.000+/-0.000 χ^2/NDF: 5415681.4/40

- sign 0.000+/-0.000 χ^2/NDF: 2613520.5/20

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

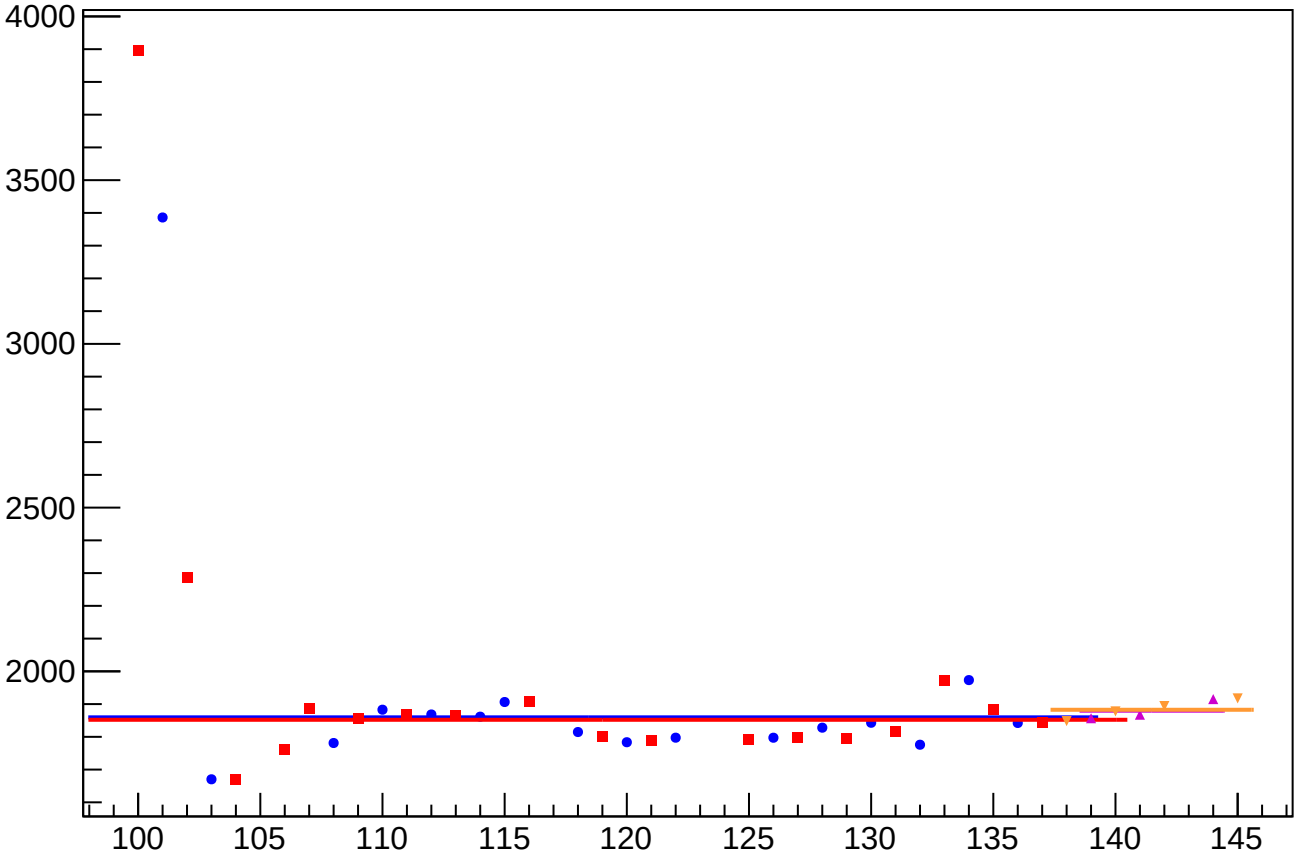
Left In: -6481.646+/-1159.061 χ^2/NDF:1.7/2

+ sign 4563.958+/-591.452 χ^2/NDF: 9.1/19

All: 41.989+/-420.010 χ^2/NDF: 148.6/40

- sign -4558.251+/-596.549 χ^2/NDF: 21.6/20

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

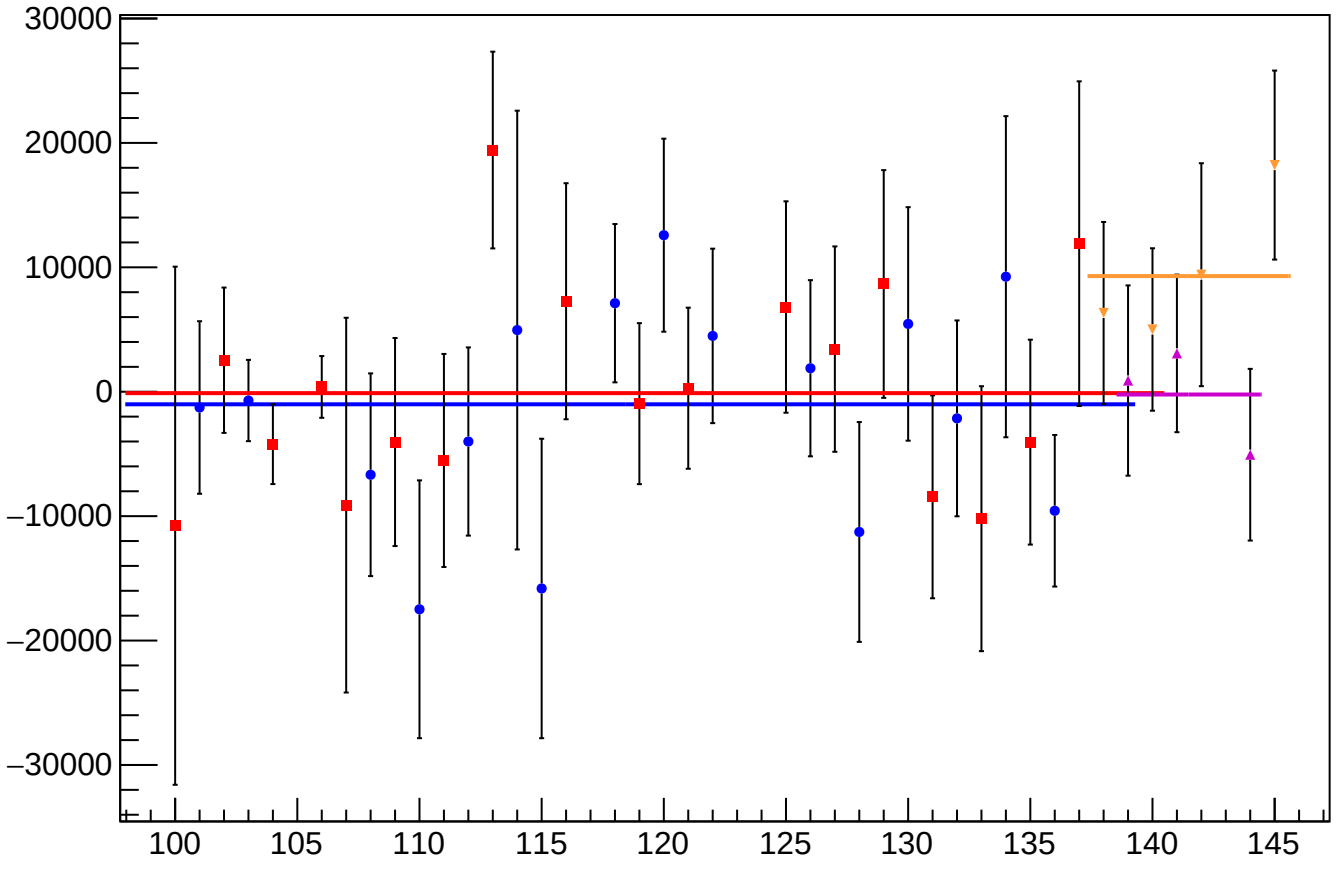
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1879.819+/-0.820 χ^2/NDF:951.2/2

+ sign 1866.074+/-0.418 χ^2/NDF: 294078.0/19

All: 1862.750+/-0.297 χ^2/NDF: 398213.3/40

- sign 1859.384+/-0.421 χ^2/NDF: 104008.1/20



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 9294.863+/-3727.883 χ^2/NDF:2.0/3

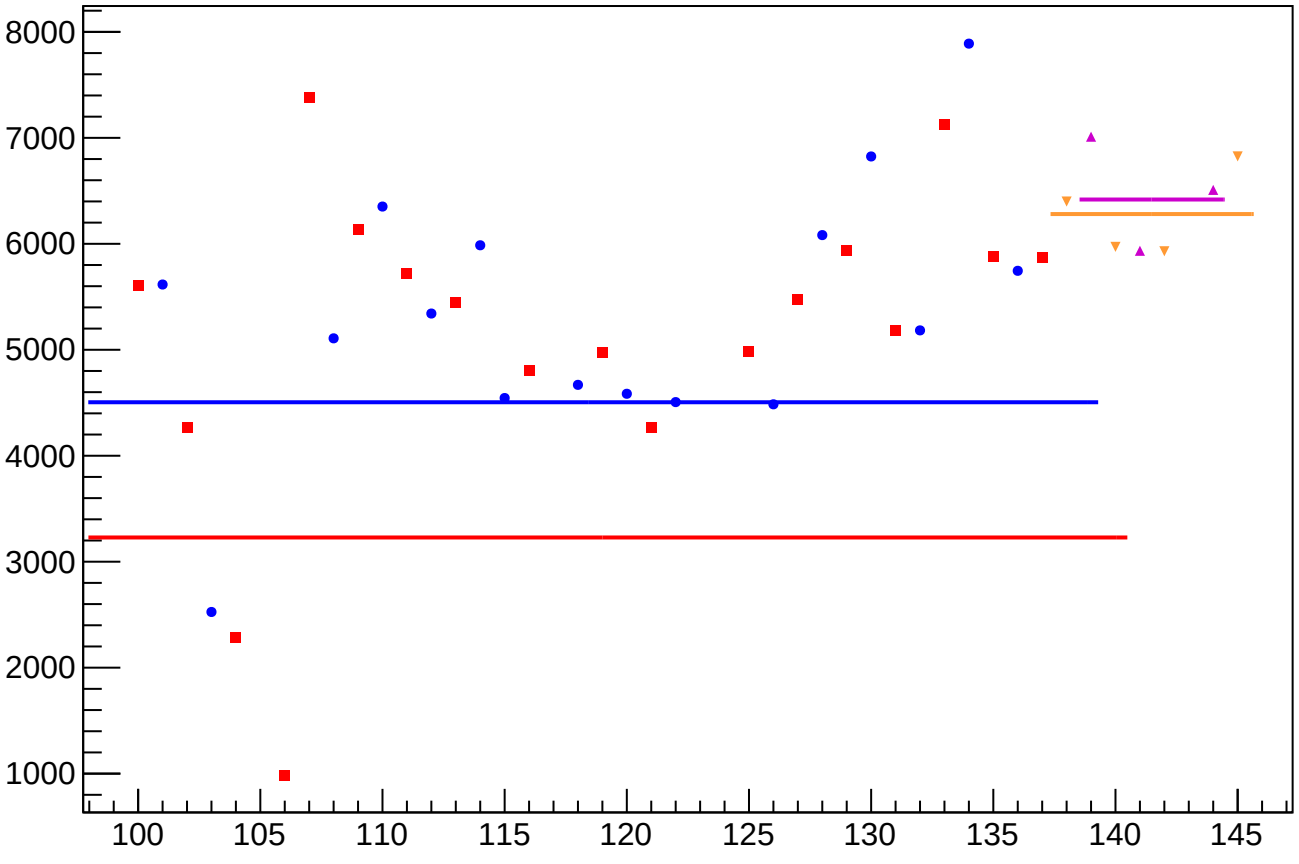
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -223.956+/-3983.481 χ^2/NDF:0.8/2

+ sign 875.315+/-1594.631 χ^2/NDF: 23.0/19

All: 294.132+/-1031.680 χ^2/NDF: 38.6/40

- sign -124.262+/-1352.997 χ^2/NDF: 15.4/20



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

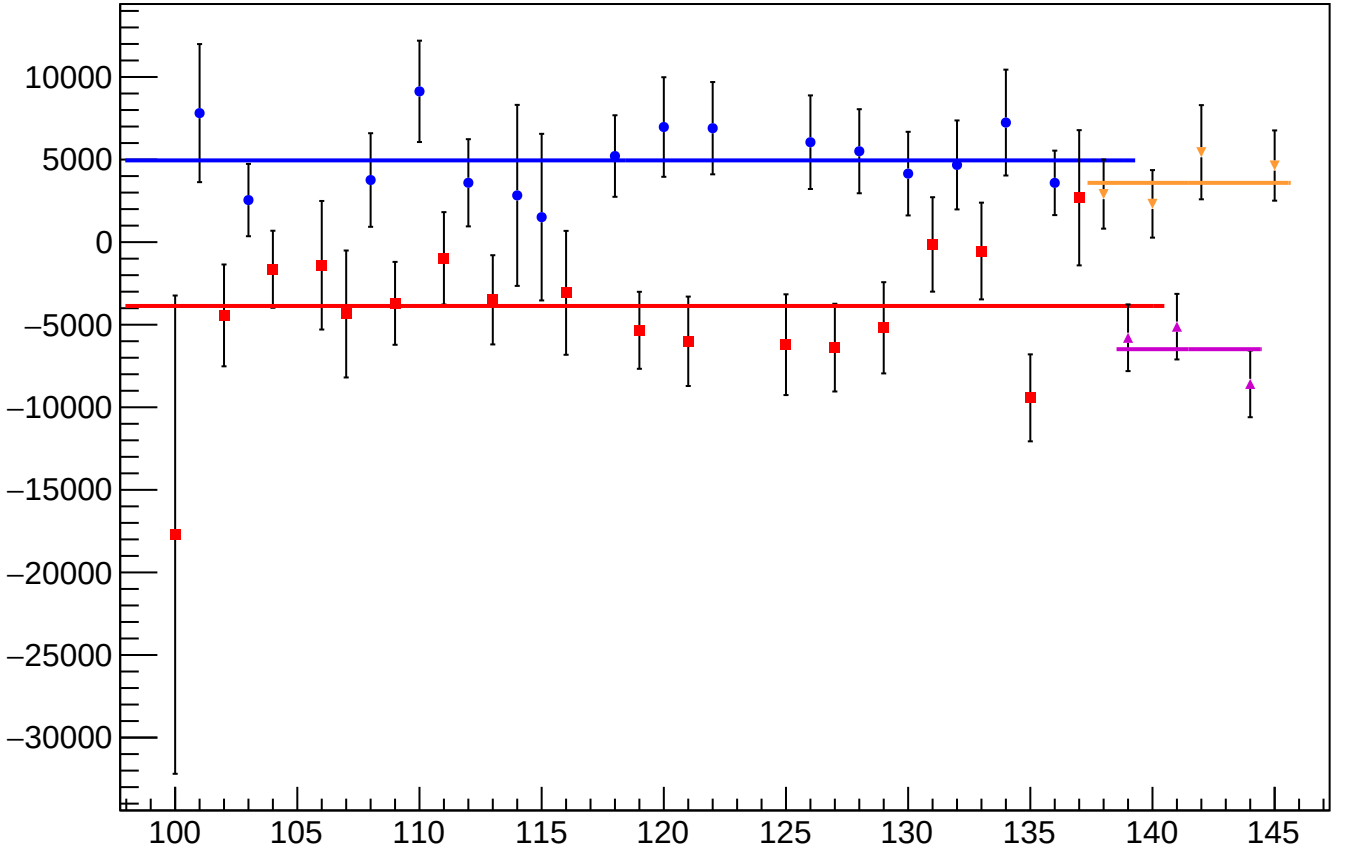
Left In: 6418.069+/-2.817 χ^2/NDF:24032.5/2

+ sign 4829.768+/-1.128 χ^2/NDF: 1710367.2/19

All: 4112.742+/-0.730 χ^2/NDF: 7520515.7/40

- sign 3596.553+/-0.957 χ^2/NDF: 5114669.4/20

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

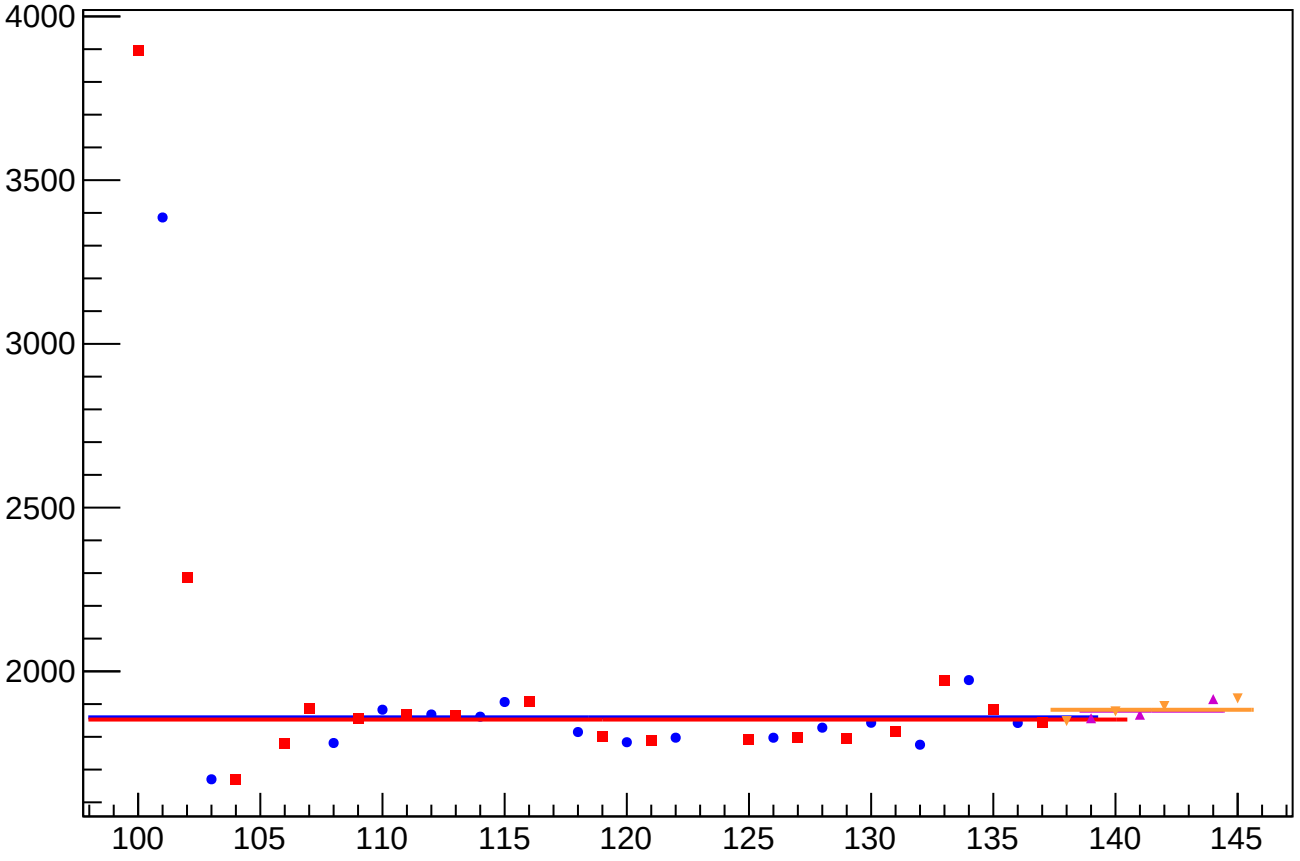
Left In: -6481.982+/-1159.061 χ^2/NDF:1.7/2

+ sign 4563.657+/-591.452 χ^2/NDF: 9.1/19

All: 41.871+/-420.010 χ^2/NDF: 148.6/40

- sign -4558.183+/-596.549 χ^2/NDF: 21.6/20

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

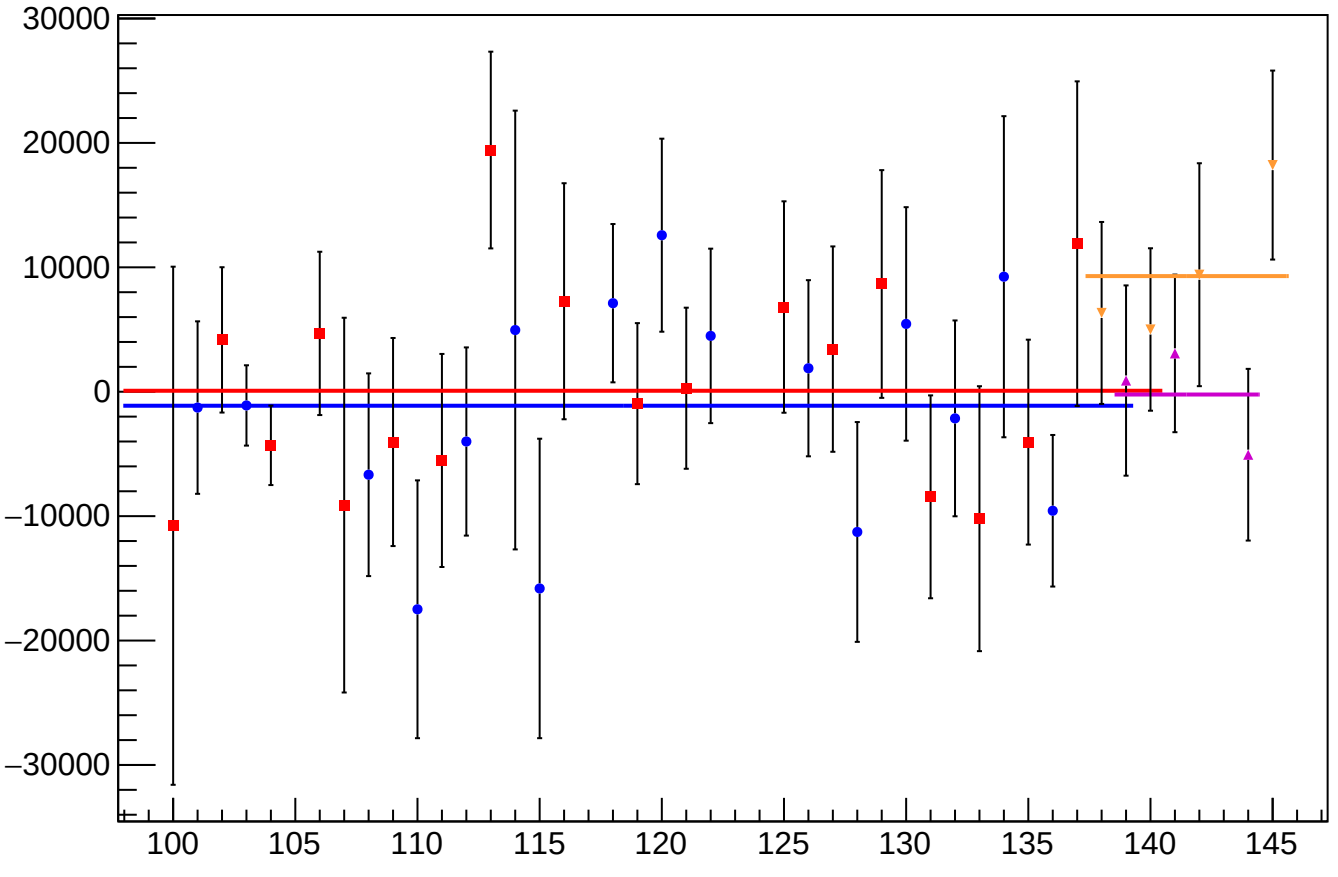
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1879.819+/-0.820 χ^2/NDF:951.2/2

+ sign 1866.074+/-0.418 χ^2/NDF: 294079.9/19

All: 1863.011+/-0.297 χ^2/NDF: 397691.5/40

- sign 1859.907+/-0.421 χ^2/NDF: 103503.6/20



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

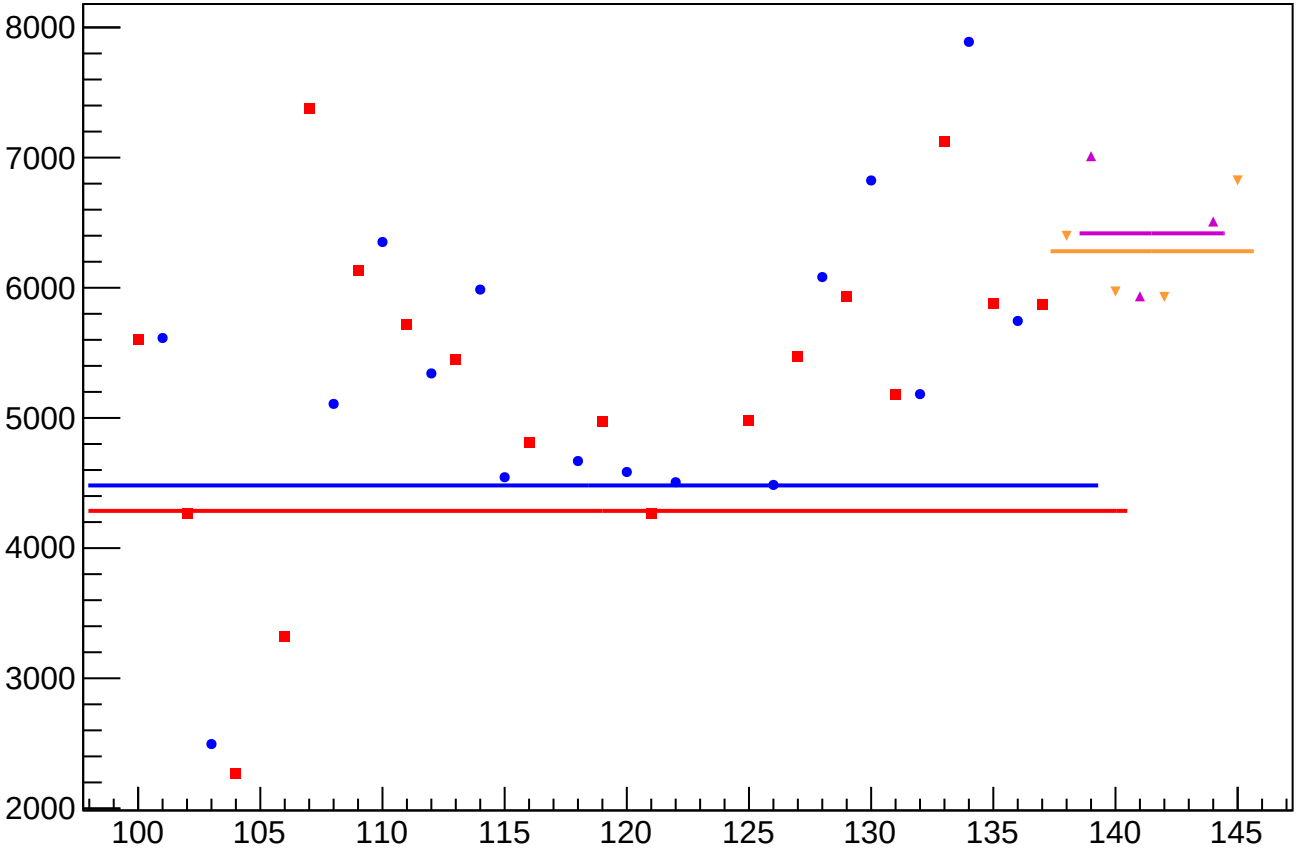
Left In: -224.021+/-3983.479 χ^2/NDF:0.8/2

+ sign 770.025+/-1589.970 χ^2/NDF: 23.1/19

All: 395.071+/-1115.515 χ^2/NDF: 39.5/40

- sign 31.584+/-1565.469 χ^2/NDF: 16.3/20

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

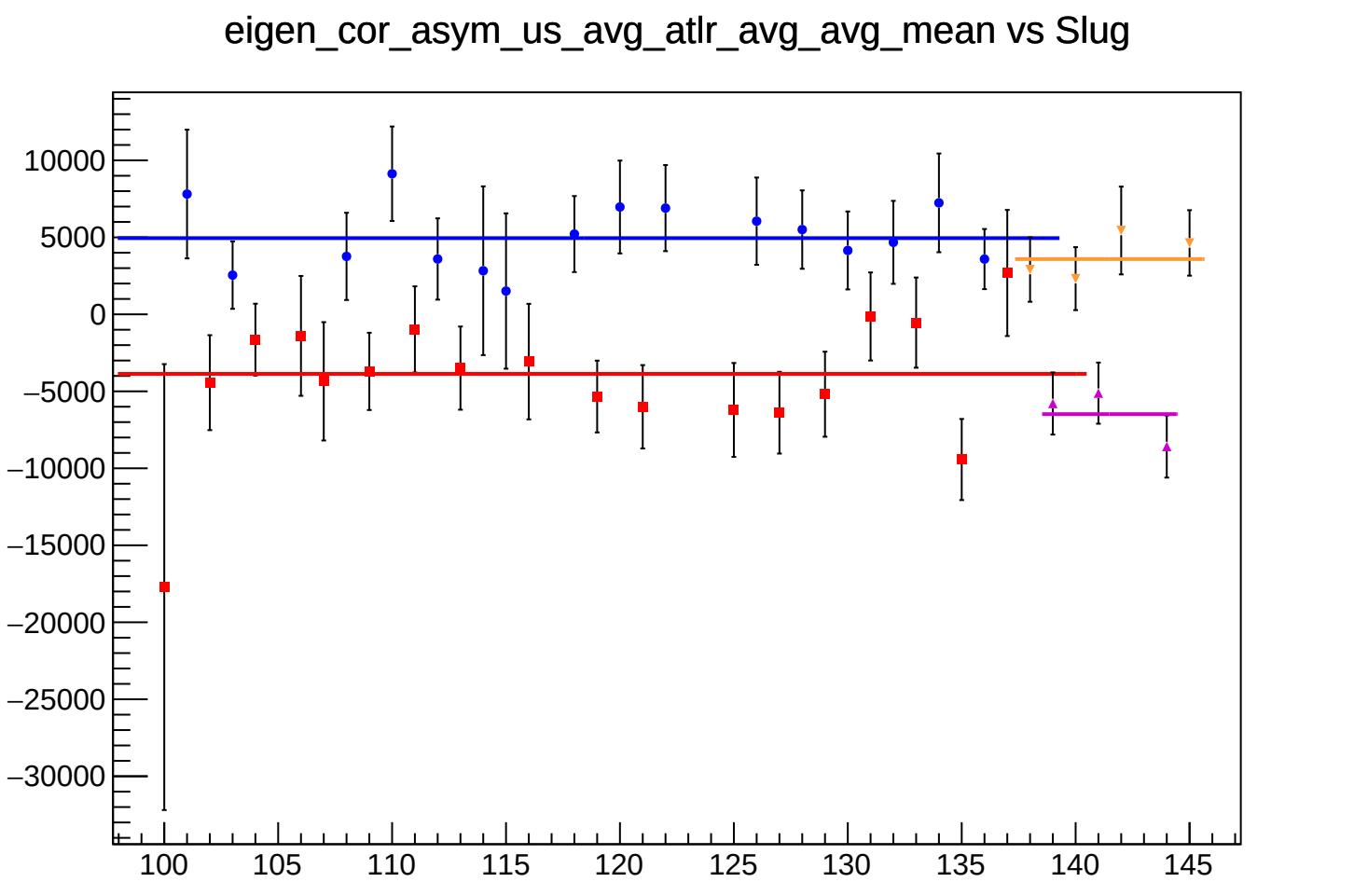
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6418.064+/-2.817 χ^2/NDF:24033.5/2

+ sign 4808.833+/-1.124 χ^2/NDF: 1761793.5/19

All: 4710.607+/-0.789 χ^2/NDF: 3835105.9/40

- sign 4615.385+/-1.107 χ^2/NDF: 2058279.5/20



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

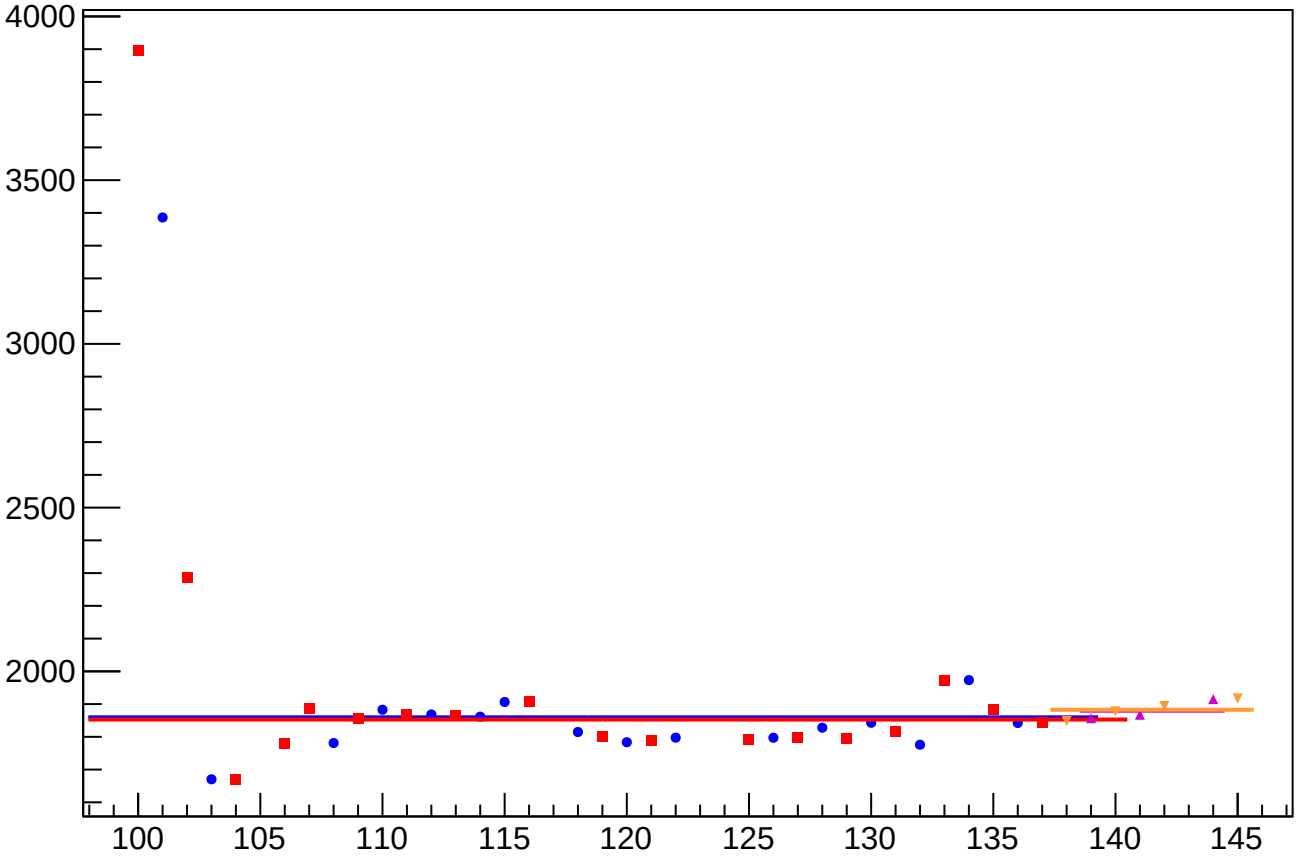
Left In: -6481.982+/-1159.061 χ^2/NDF:1.7/2

+ sign 4563.657+/-591.452 χ^2/NDF: 9.1/19

All: 41.871+/-420.010 χ^2/NDF: 148.6/40

- sign -4558.183+/-596.549 χ^2/NDF: 21.6/20

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

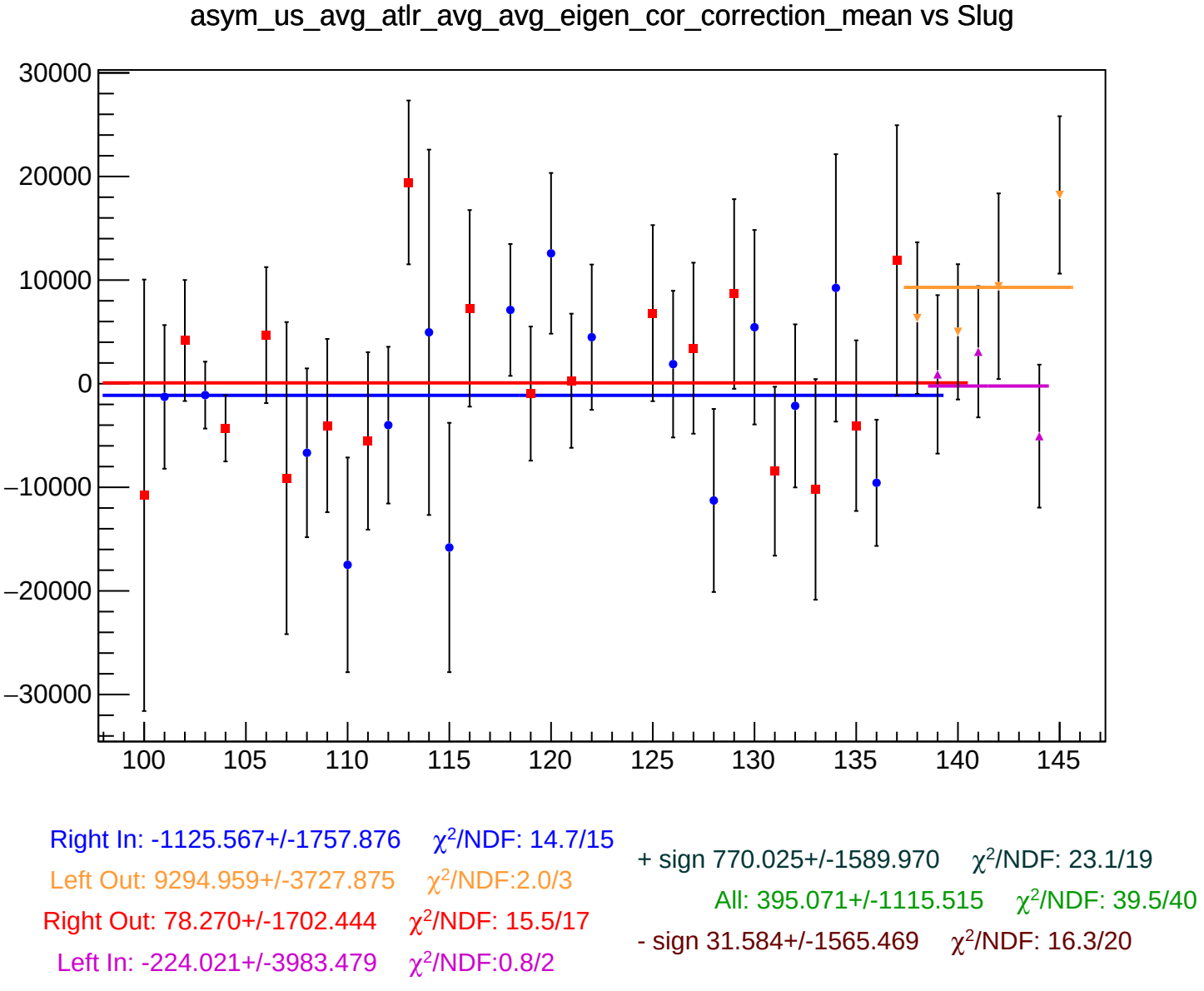
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

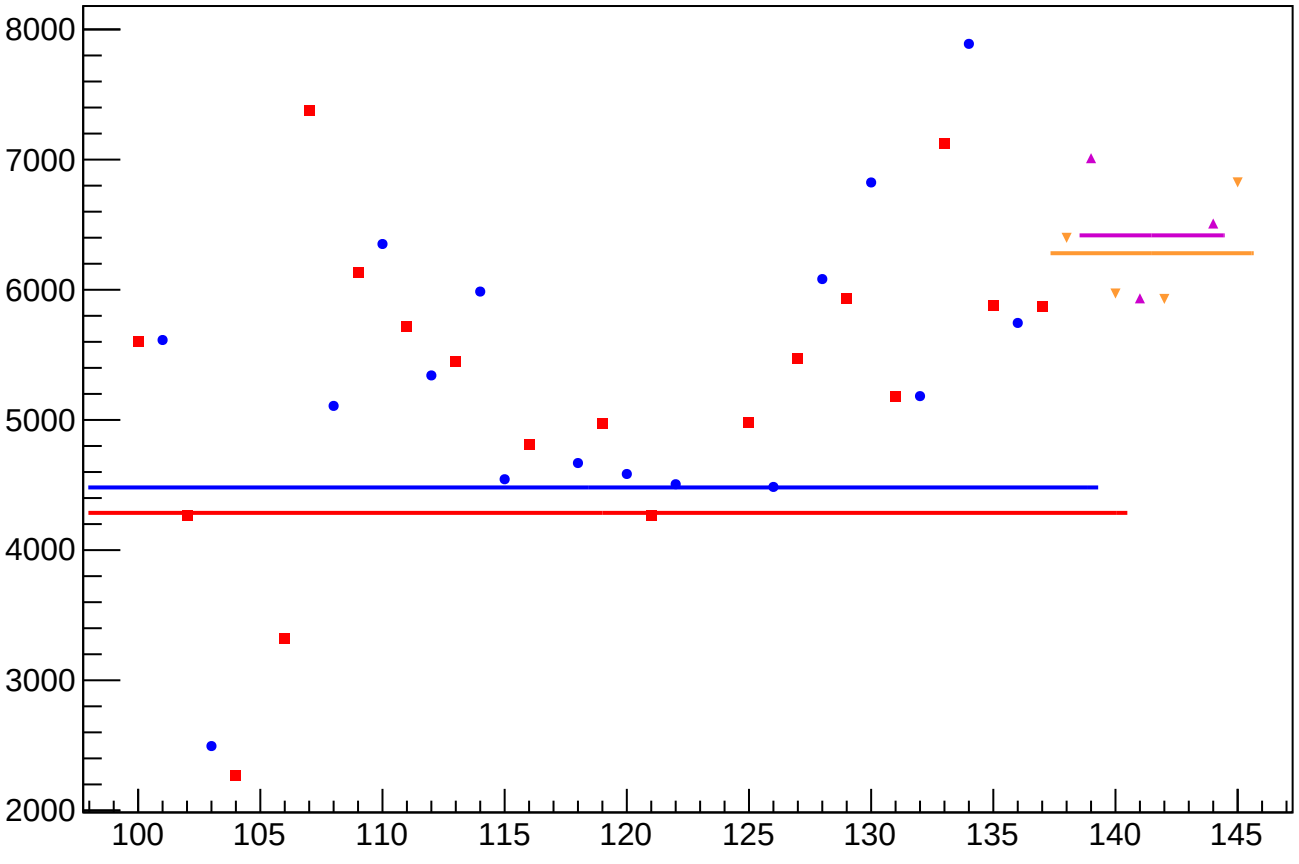
Left In: 1879.819+/-0.820 χ^2/NDF:951.2/2

+ sign 1866.074+/-0.418 χ^2/NDF: 294079.9/19

All: 1863.011+/-0.297 χ^2/NDF: 397691.5/40

- sign 1859.907+/-0.421 χ^2/NDF: 103503.6/20


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 9294.959+/-3727.875 χ²/NDF:2.0/3
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -224.021+/-3983.479 χ²/NDF:0.8/2
+ sign 770.025+/-1589.970 χ²/NDF: 23.1/19
All: 395.071+/-1115.515 χ²/NDF: 39.5/40
- sign 31.584+/-1565.469 χ²/NDF: 16.3/20



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

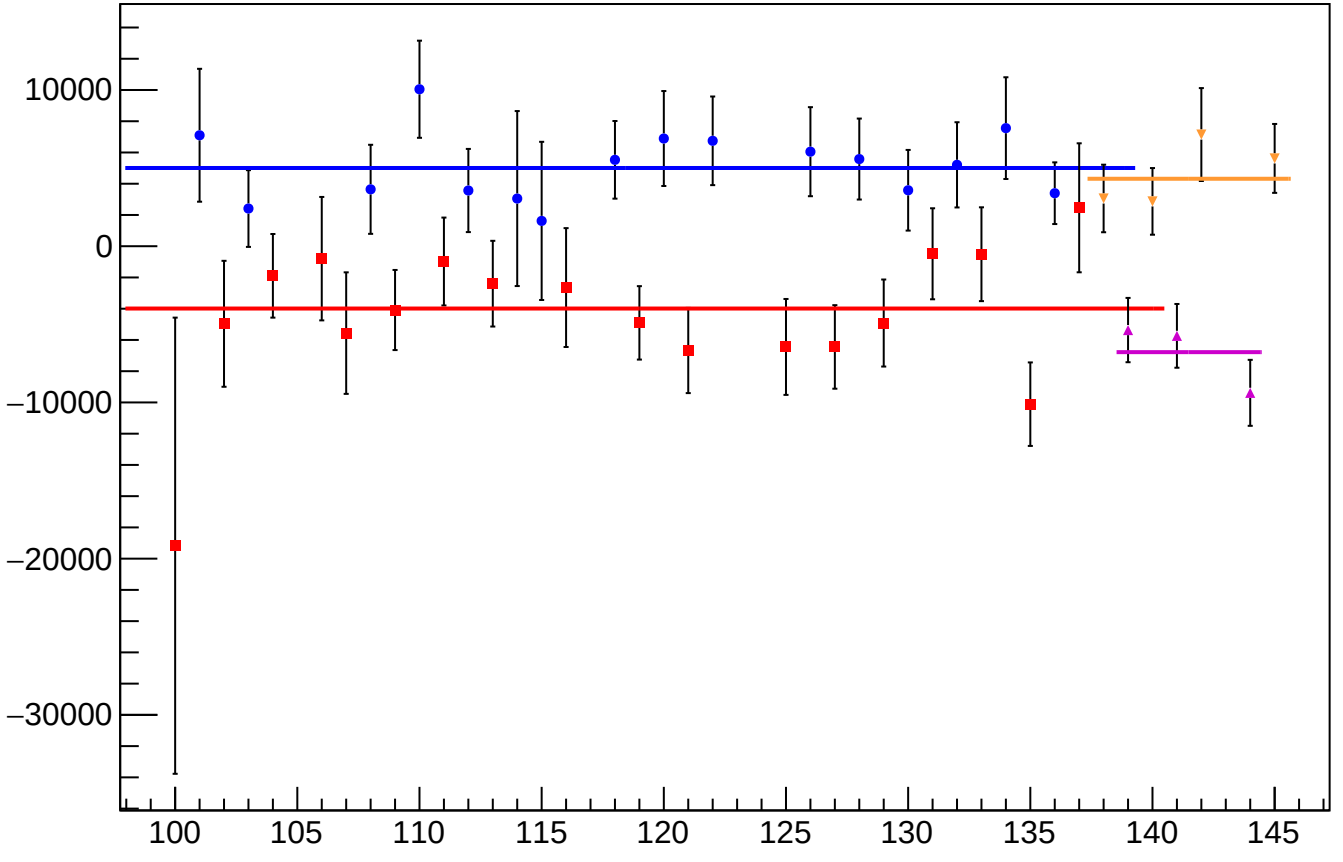
Left In: 6418.064+/-2.817 χ^2/NDF:24033.5/2

+ sign 4808.833+/-1.124 χ^2/NDF: 1761793.5/19

All: 4710.607+/-0.789 χ^2/NDF: 3835105.9/40

- sign 4615.385+/-1.107 χ^2/NDF: 2058279.5/20

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

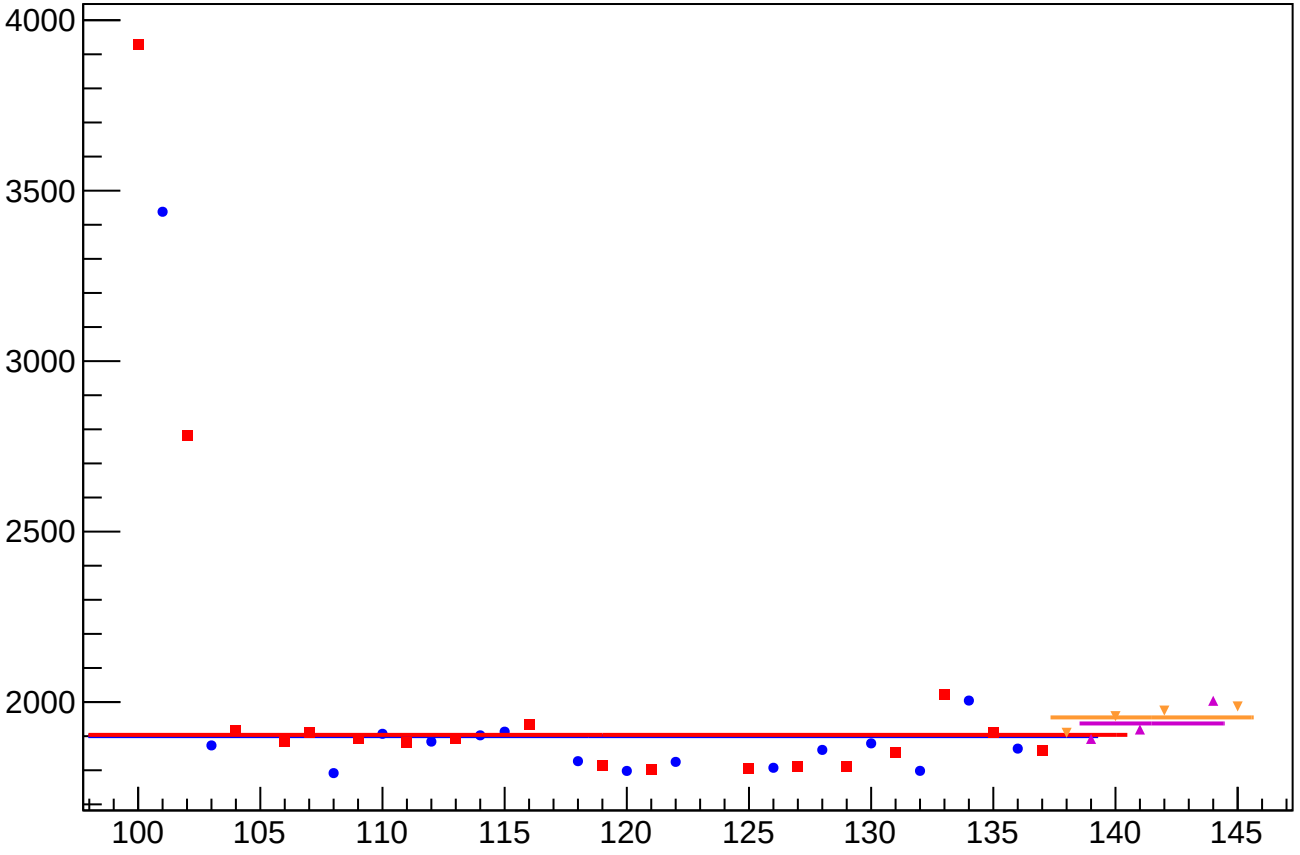
Left In: -6780.856+/-1194.908 χ^2/NDF:2.3/2

+ sign 4816.193+/-607.062 χ^2/NDF: 10.0/19

All: 112.868+/-432.412 χ^2/NDF: 155.5/40

- sign -4731.314+/-616.085 χ^2/NDF: 23.6/20

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

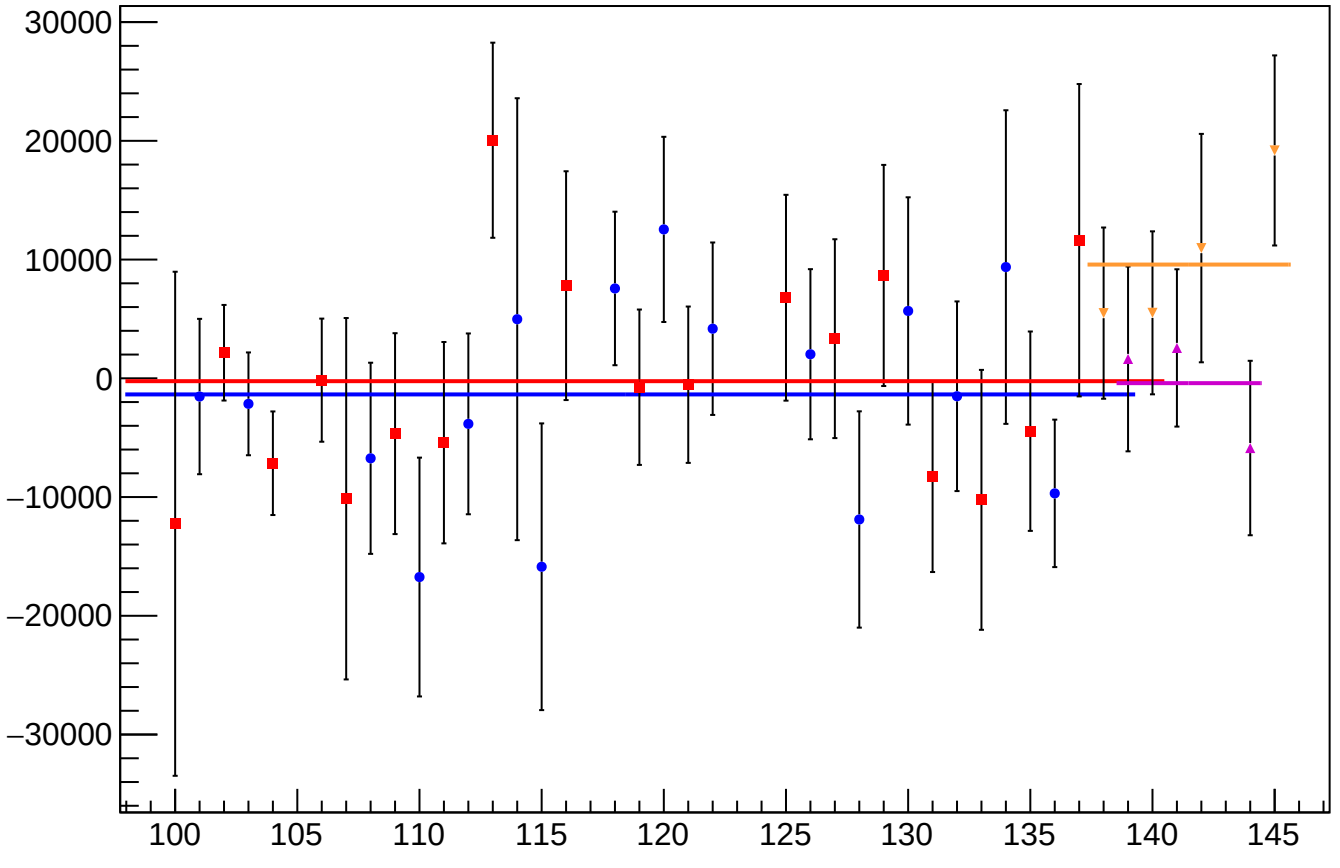
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1937.257+/-0.845 χ^2/NDF:3104.5/2

+ sign 1915.336+/-0.429 χ^2/NDF: 283119.6/19

All: 1914.036+/-0.306 χ^2/NDF: 437508.4/40

- sign 1912.700+/-0.435 χ^2/NDF: 154370.2/20



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 9579.853+/-3866.756 χ^2/NDF:2.1/3

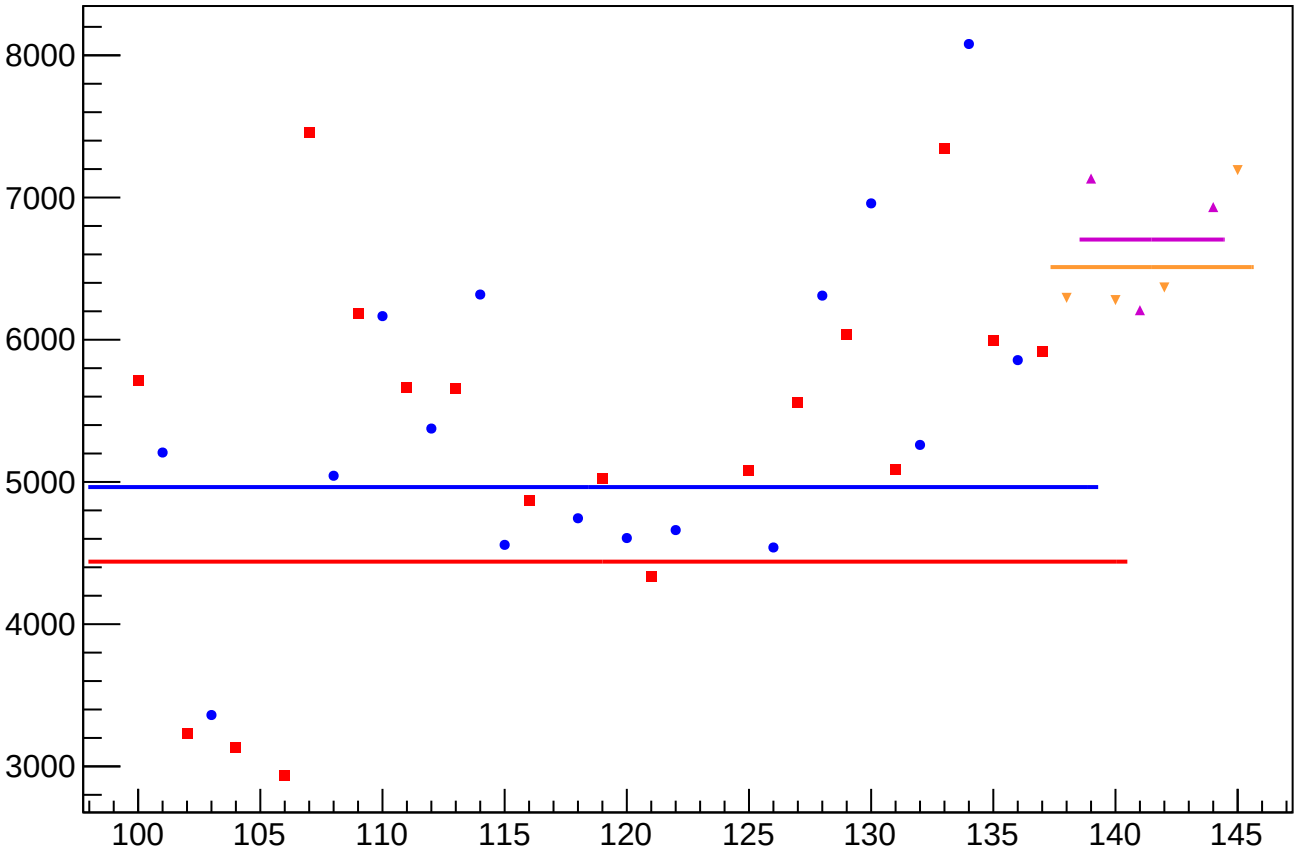
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -407.499+/-4158.322 χ^2/NDF:0.8/2

+ sign 763.139+/-1702.358 χ^2/NDF: 23.3/19

All: 211.817+/-1159.495 χ^2/NDF: 40.0/40

- sign -265.279+/-1583.621 χ^2/NDF: 16.6/20



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6510.865+/-2.734 χ^2/NDF:19042.9/3

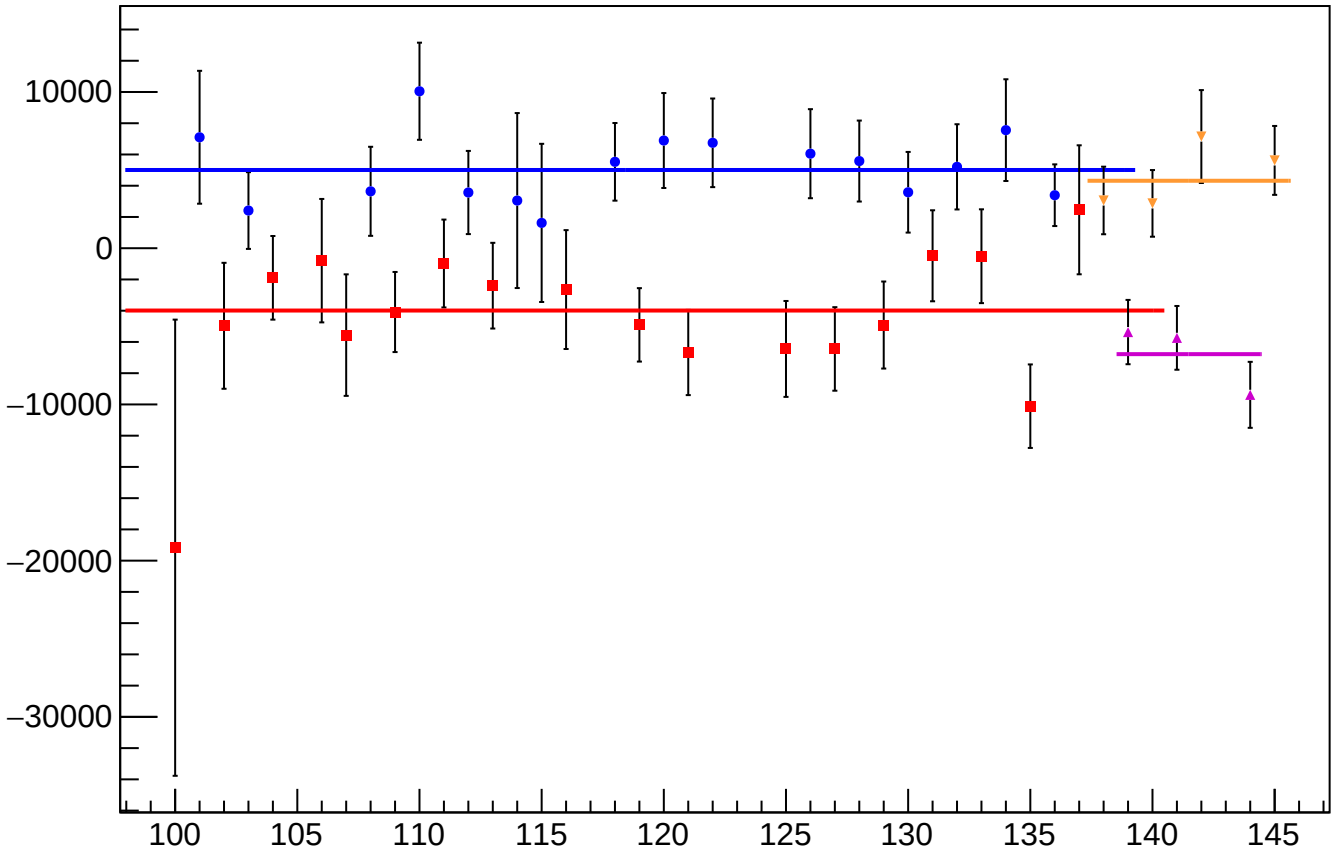
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6704.478+/-2.940 χ^2/NDF:19255.3/2

+ sign 5263.819+/-1.204 χ^2/NDF: 904451.0/19

All: 4998.094+/-0.820 χ^2/NDF: 2680343.8/40

- sign 4768.145+/-1.120 χ^2/NDF: 1684994.6/20



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

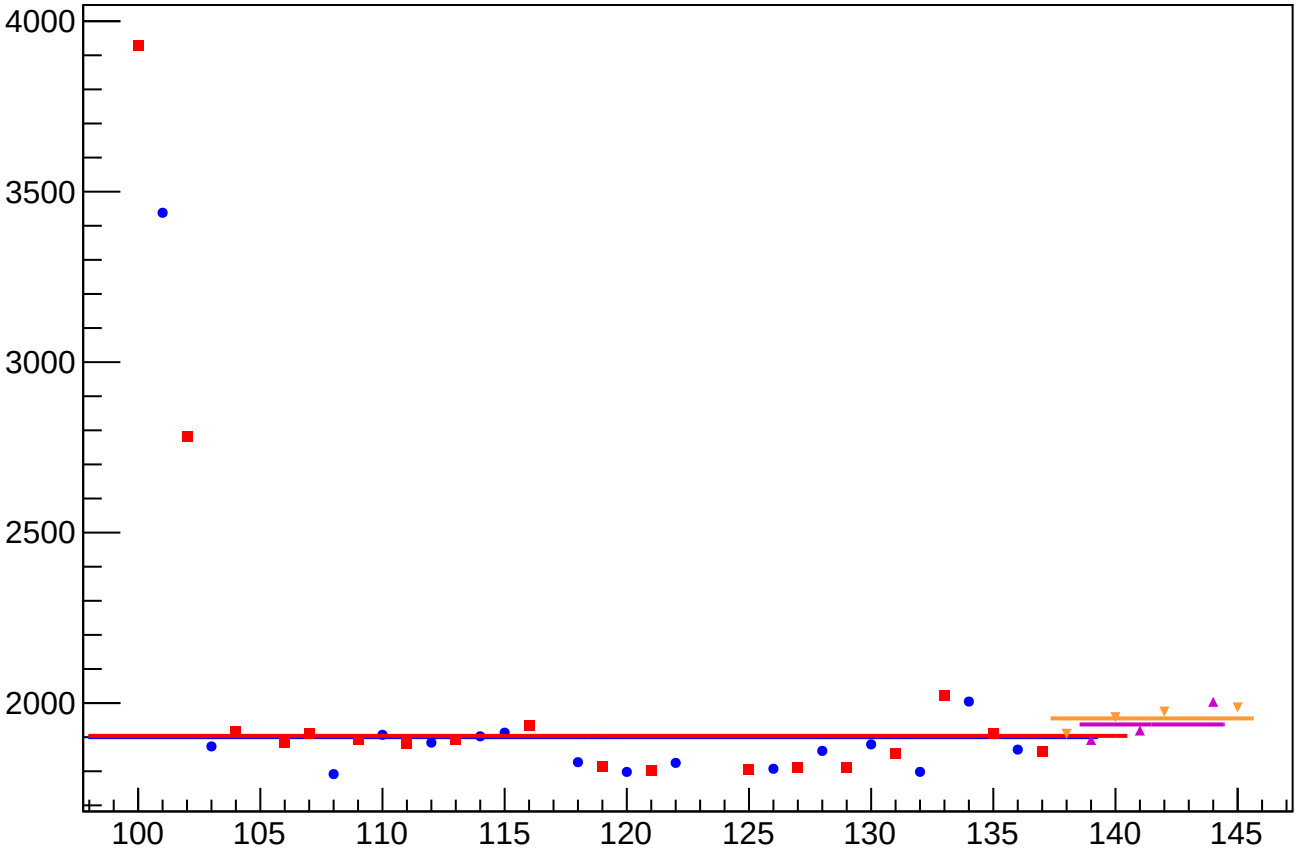
Left In: -6780.849+/-1194.909 χ^2/NDF:2.3/2

+ sign 4816.198+/-607.062 χ^2/NDF: 10.0/19

All: 112.873+/-432.412 χ^2/NDF: 155.5/40

- sign -4731.311+/-616.085 χ^2/NDF: 23.6/20

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

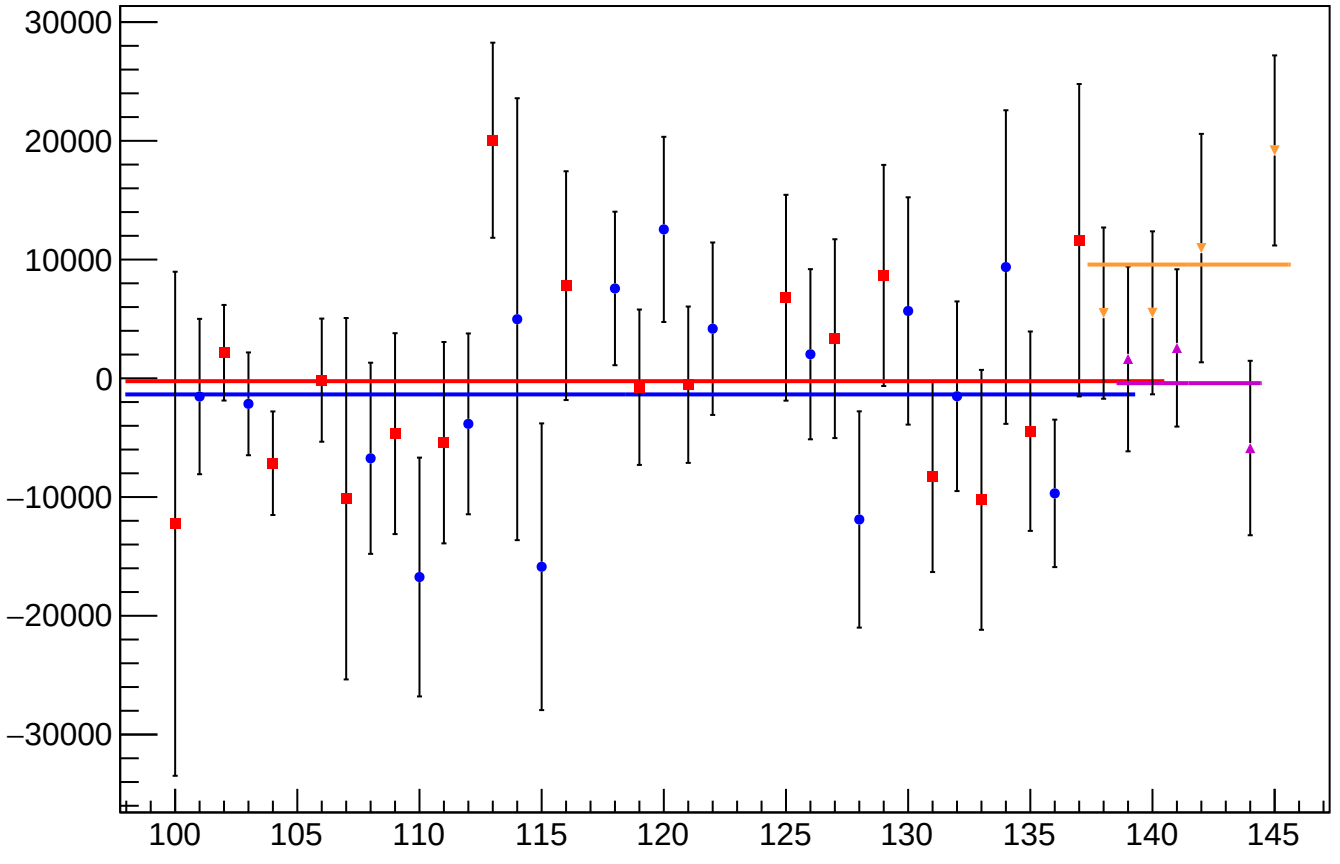
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1937.258+/-0.845 χ^2/NDF:3104.6/2

+ sign 1915.336+/-0.429 χ^2/NDF: 283120.2/19

All: 1914.036+/-0.306 χ^2/NDF: 437508.6/40

- sign 1912.700+/-0.435 χ^2/NDF: 154369.8/20



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 9579.876+/-3866.763 χ^2/NDF:2.1/3

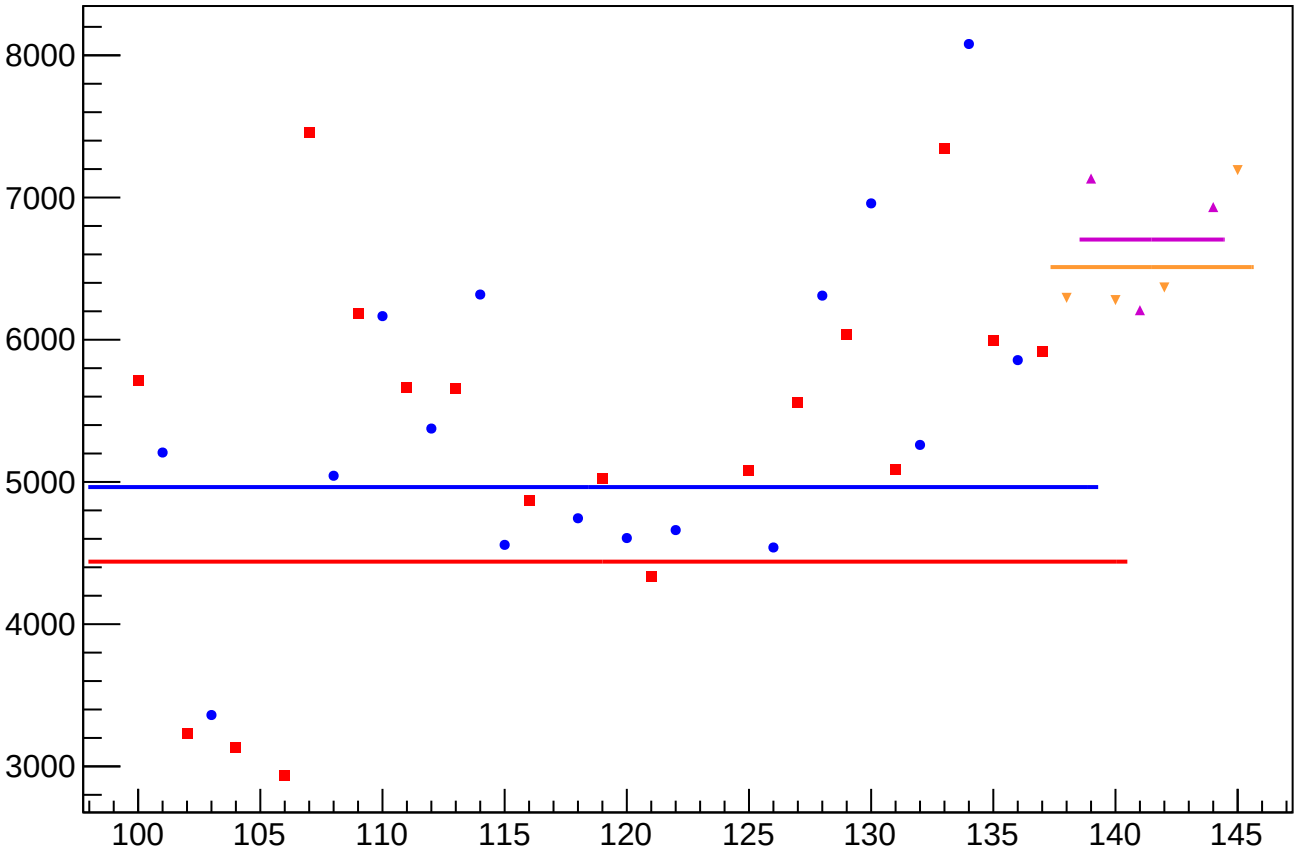
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -407.492+/-4158.329 χ^2/NDF:0.8/2

+ sign 763.136+/-1702.355 χ^2/NDF: 23.3/19

All: 211.816+/-1159.493 χ^2/NDF: 40.0/40

- sign -265.279+/-1583.618 χ^2/NDF: 16.6/20



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

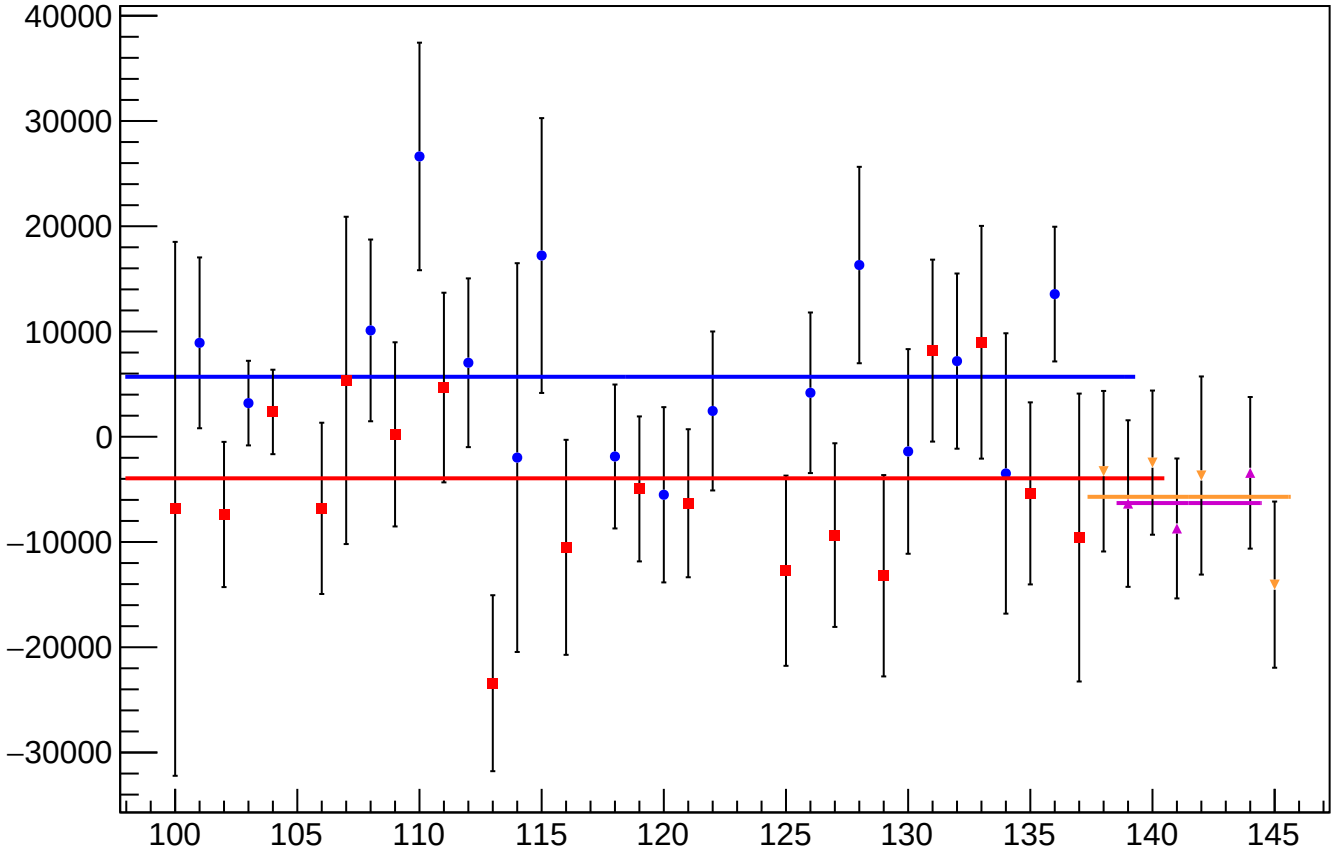
Left In: 6704.489+/-2.940 χ^2/NDF:19255.8/2

+ sign 5263.808+/-1.204 χ^2/NDF: 904461.8/19

All: 4998.084+/-0.820 χ^2/NDF: 2680364.0/40

- sign 4768.135+/-1.120 χ^2/NDF: 1685003.7/20

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

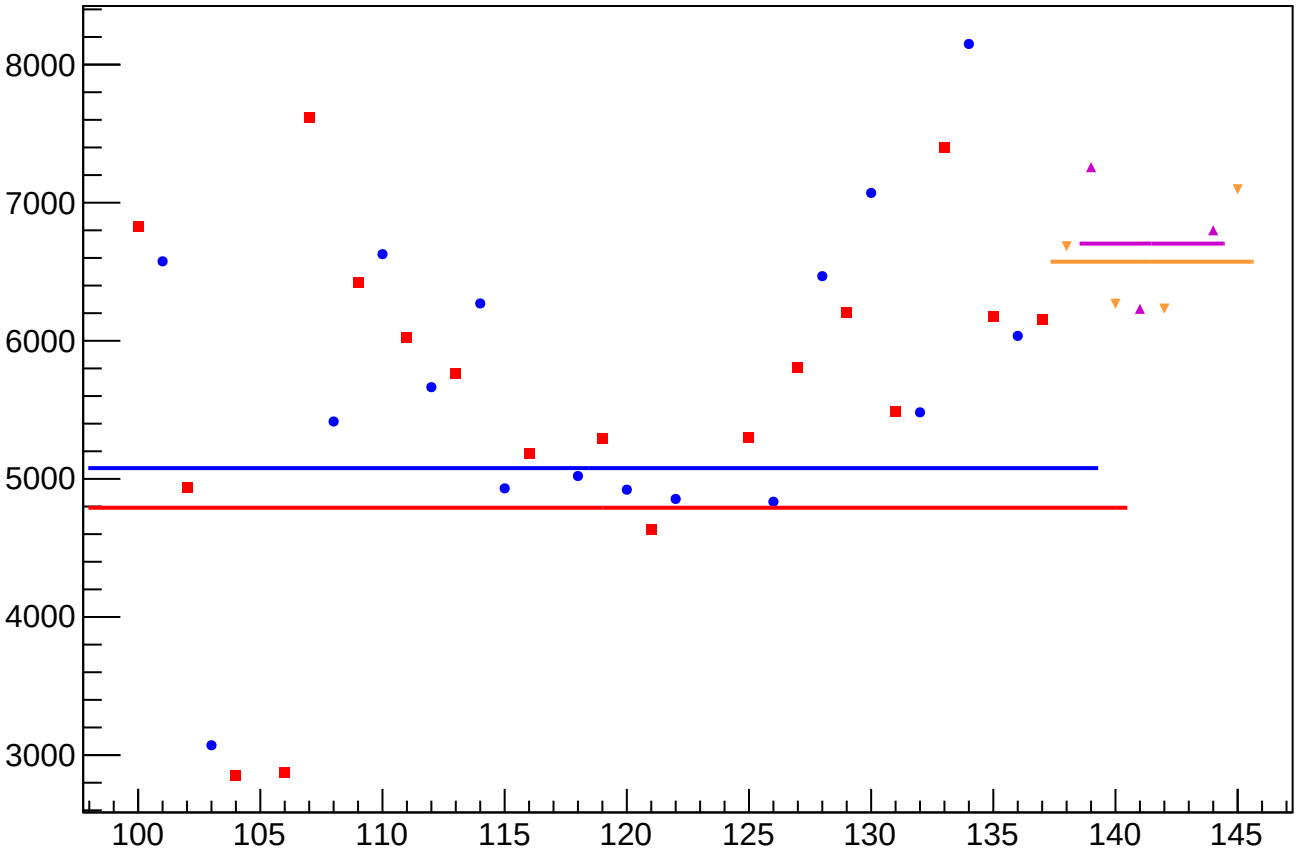
Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: -6299.726+/-4156.704 χ^2/NDF:0.3/2

+ sign 3396.362+/-1750.459 χ^2/NDF: 21.0/19

All: -498.769+/-1235.285 χ^2/NDF: 47.5/40

- sign -4362.882+/-1743.475 χ^2/NDF: 16.7/20



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6572.796+/-2.756 χ^2/NDF:15808.5/3

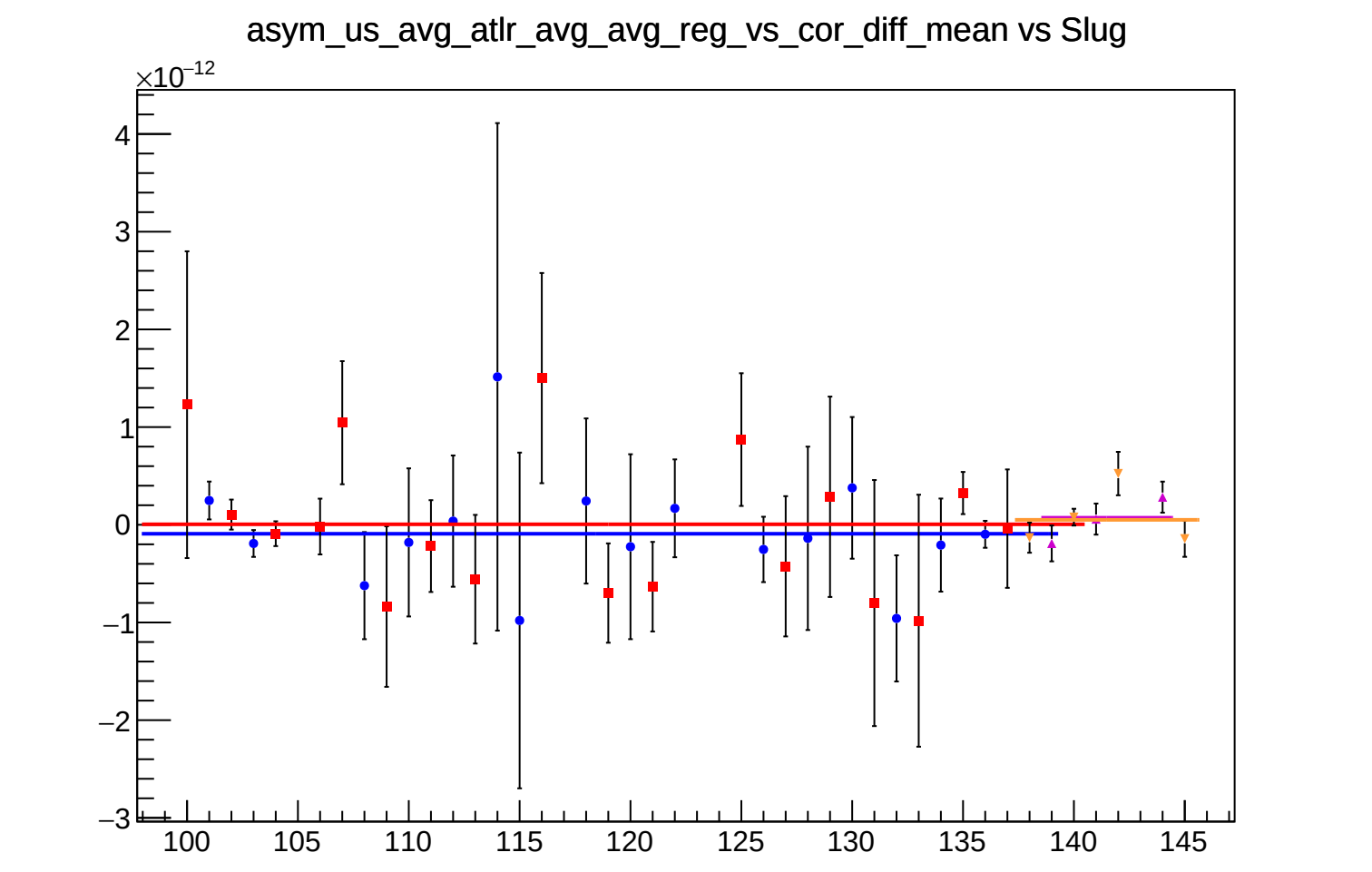
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6703.998+/-2.939 χ^2/NDF:20250.0/2

+ sign 5379.689+/-1.238 χ^2/NDF: 1169846.8/19

All: 5245.377+/-0.866 χ^2/NDF: 2727113.6/40

- sign 5116.539+/-1.212 χ^2/NDF: 1534196.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/3

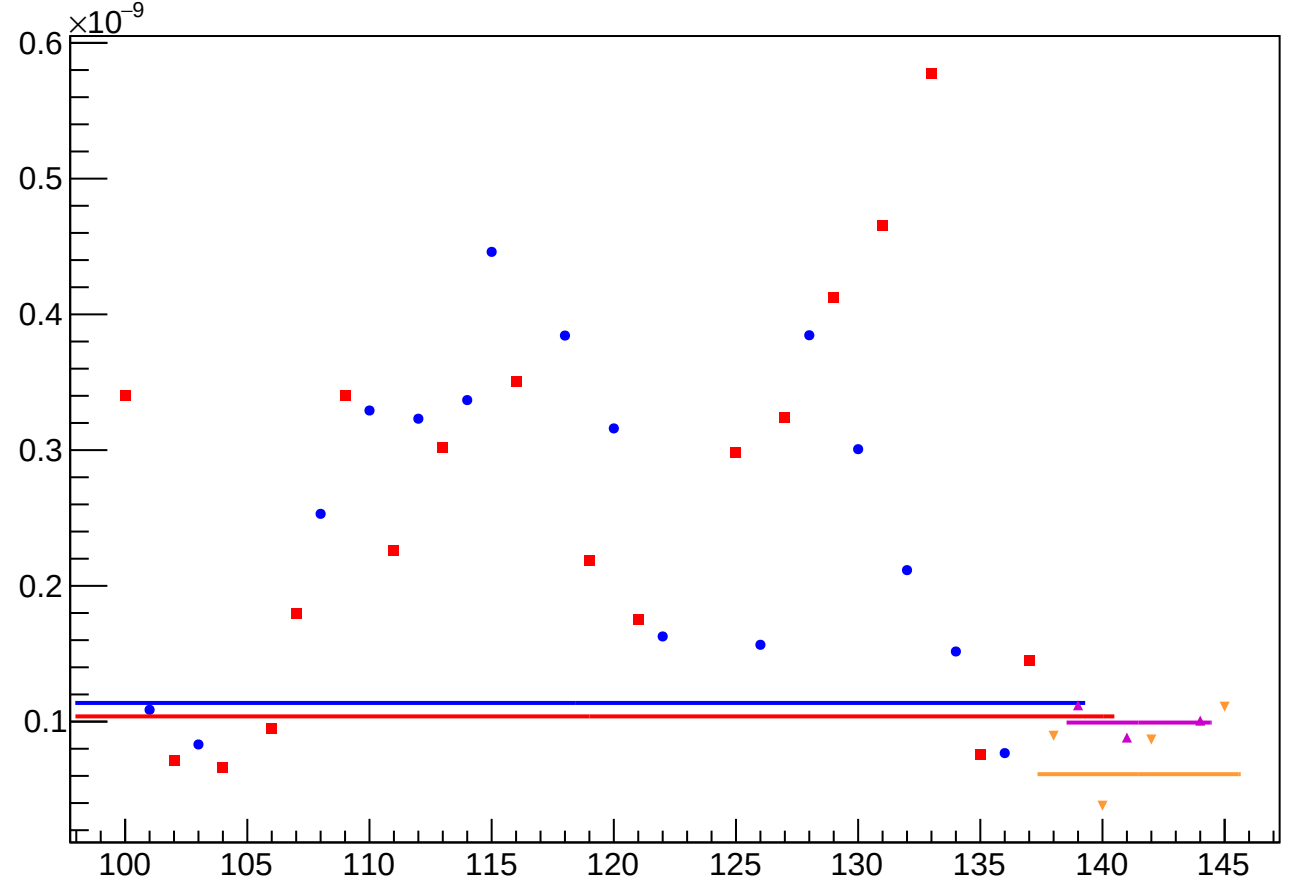
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:3.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 17.3/19

All: 0.000+/-0.000 χ^2/NDF: 39.1/40

- sign 0.000+/-0.000 χ^2/NDF: 21.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:384621.4/3

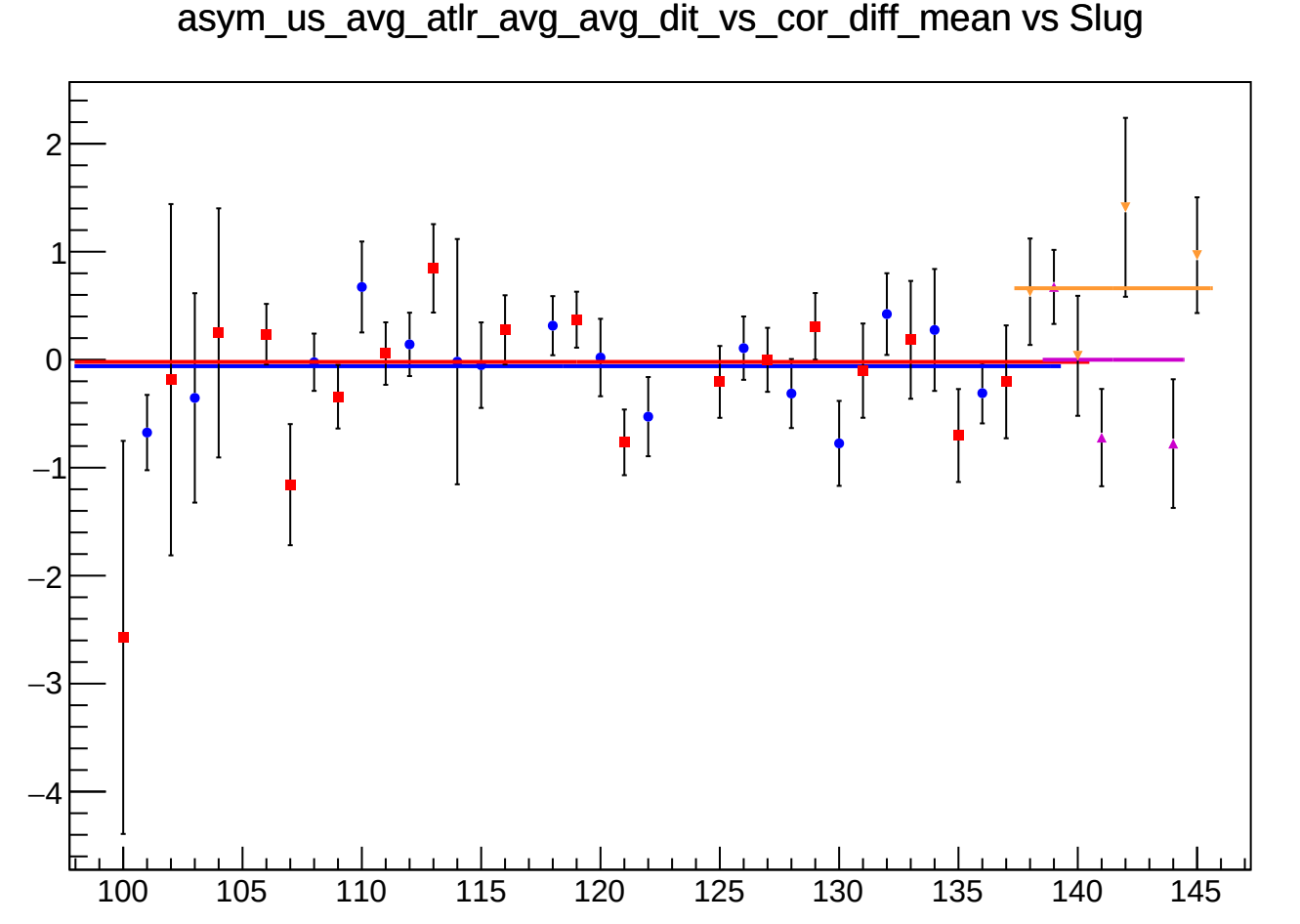
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:19467.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 2436497.7/19

All: 0.000+/-0.000 χ^2/NDF: 4659876.3/40

- sign 0.000+/-0.000 χ^2/NDF: 2109737.1/20



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.662+/-0.285 χ^2/NDF:2.4/3

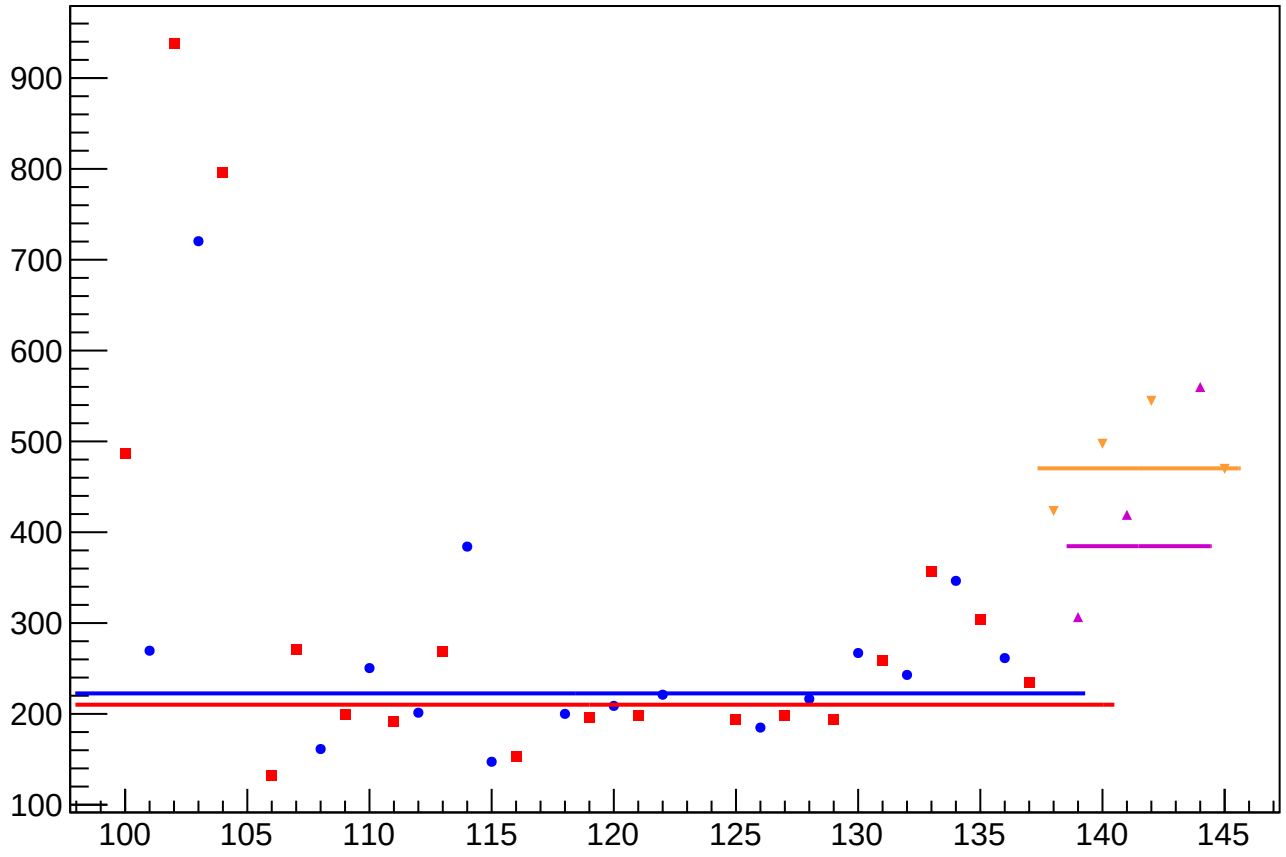
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.001+/-0.248 χ^2/NDF:8.1/2

+ sign 0.003+/-0.085 χ^2/NDF: 25.6/19

All: -0.008+/-0.059 χ^2/NDF: 59.9/40

- sign -0.018+/-0.082 χ^2/NDF: 34.3/20



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 470.342+/-0.202 χ^2/NDF:39002.9/3

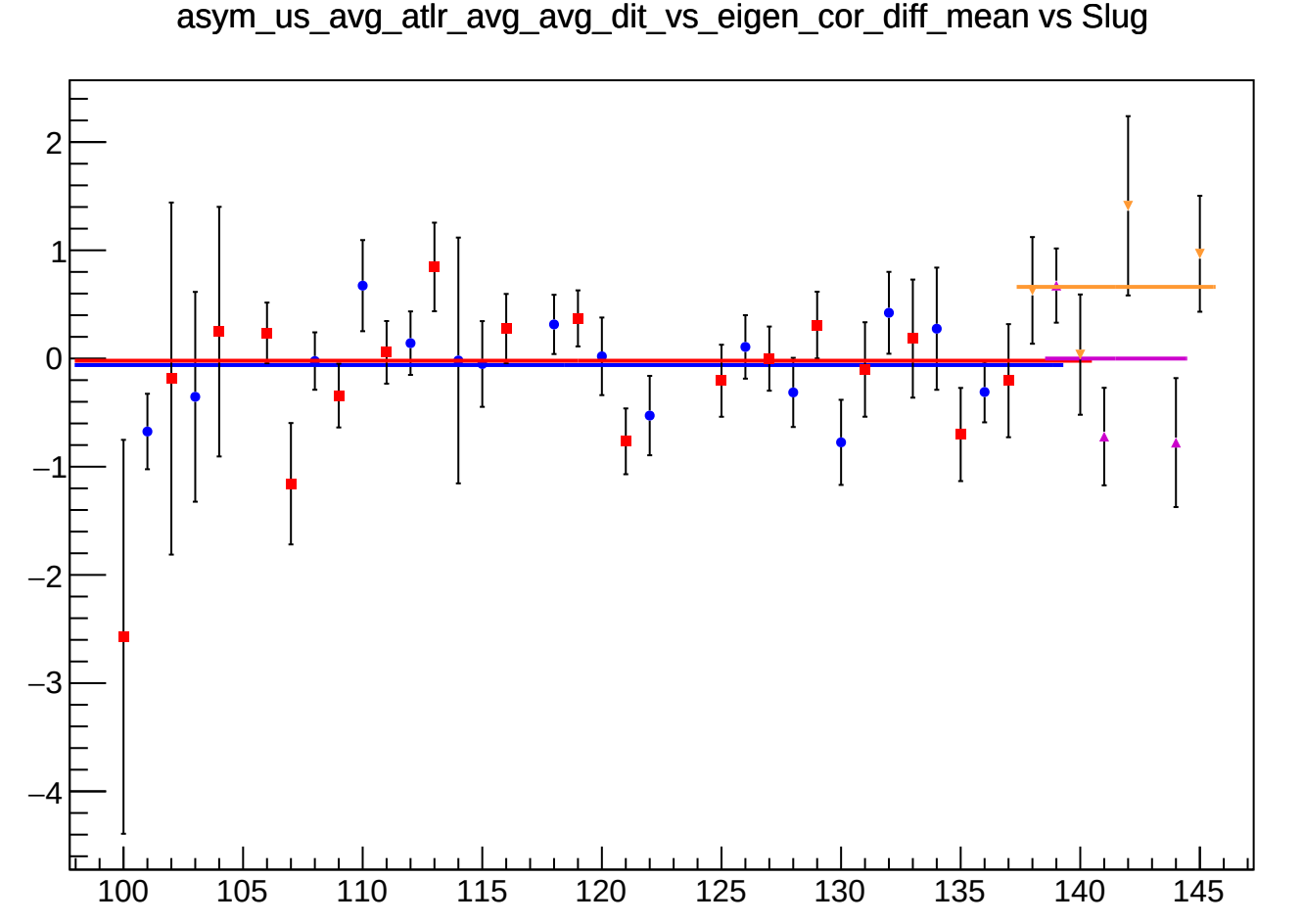
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 384.648+/-0.175 χ^2/NDF:288316.1/2

+ sign 244.402+/-0.060 χ^2/NDF: 2434255.3/19

All: 236.705+/-0.042 χ^2/NDF: 5183741.9/40

- sign 229.404+/-0.058 χ^2/NDF: 2717274.8/20



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.662+/-0.285 χ^2/NDF:2.4/3

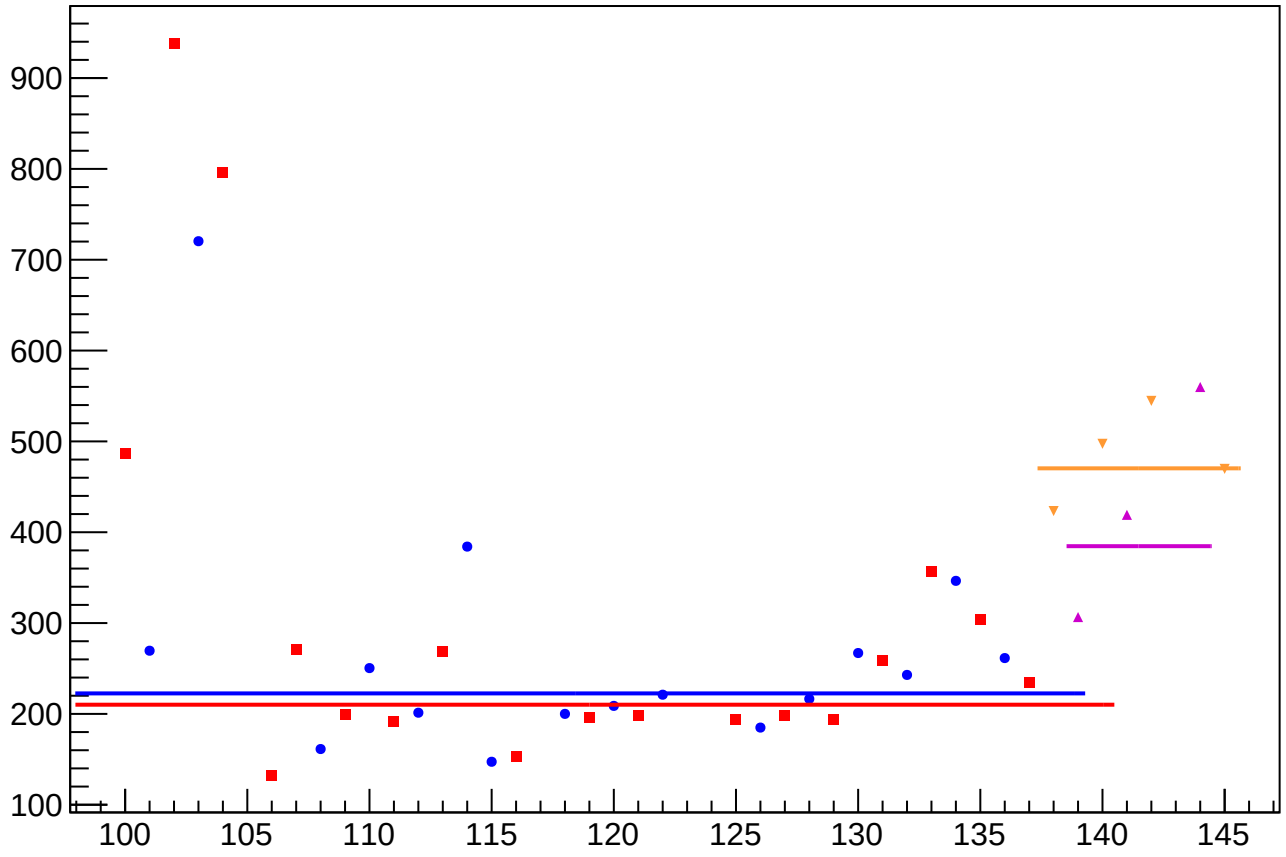
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.001+/-0.248 χ^2/NDF:8.1/2

+ sign 0.003+/-0.085 χ^2/NDF: 25.6/19

All: -0.008+/-0.059 χ^2/NDF: 59.9/40

- sign -0.018+/-0.082 χ^2/NDF: 34.3/20



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 470.342+/-0.202 χ^2/NDF:39002.9/3

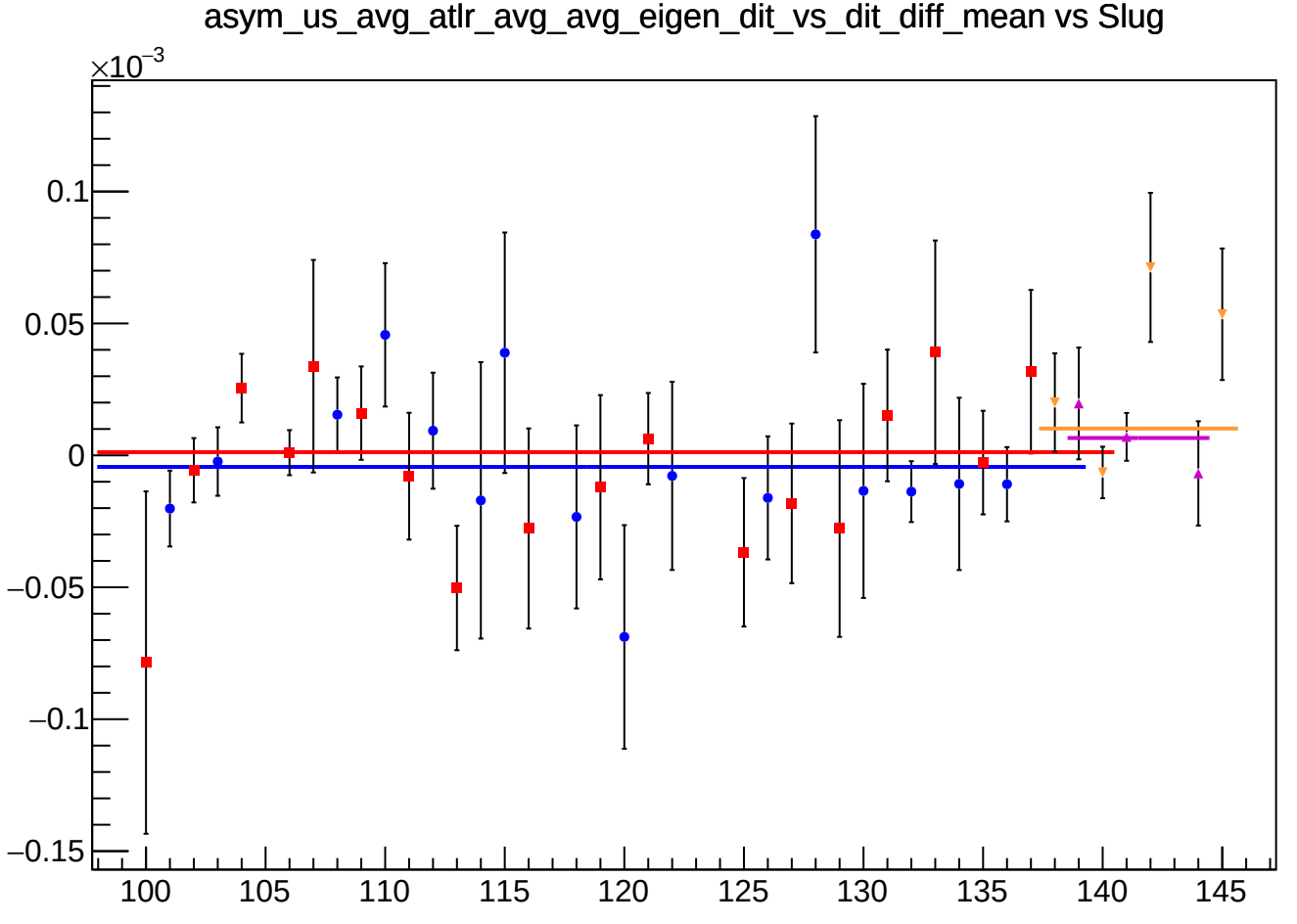
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 384.648+/-0.175 χ^2/NDF:288316.1/2

+ sign 244.402+/-0.060 χ^2/NDF: 2434255.3/19

All: 236.705+/-0.042 χ^2/NDF: 5183741.9/40

- sign 229.404+/-0.058 χ^2/NDF: 2717274.8/20



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/3

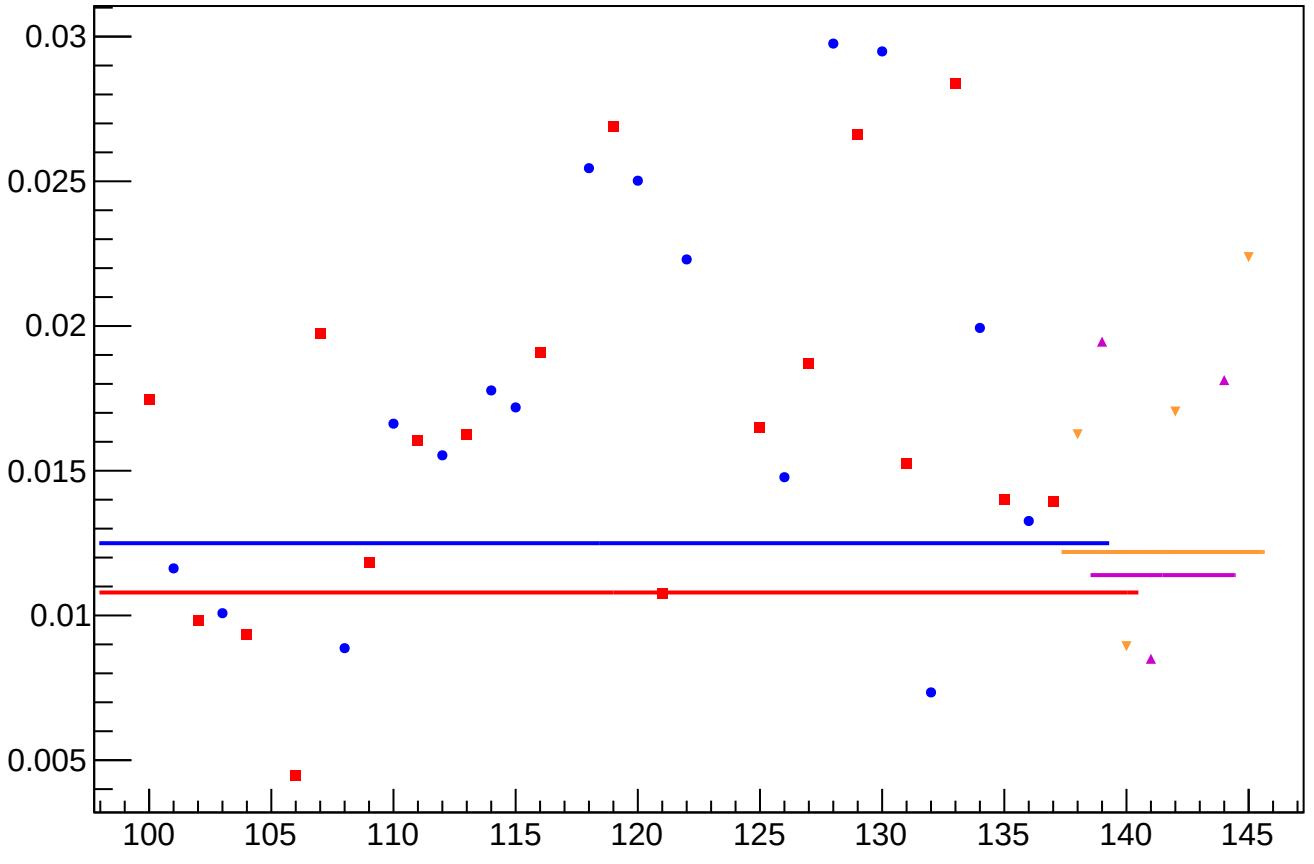
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/19

All: 0.000+/-0.000 χ^2/NDF: 47.6/40

- sign 0.000+/-0.000 χ^2/NDF: 18.4/20



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:710141.6/3

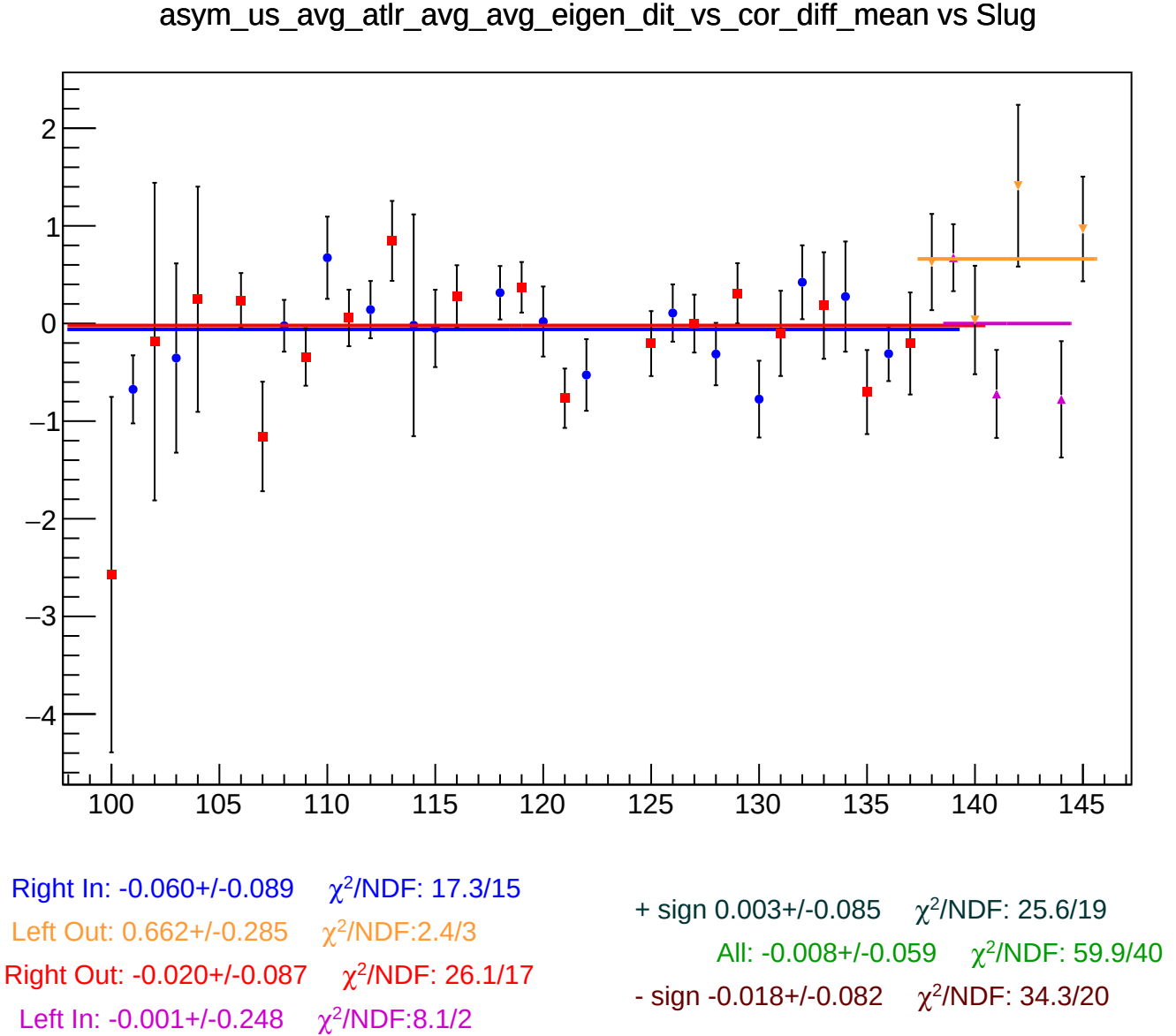
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

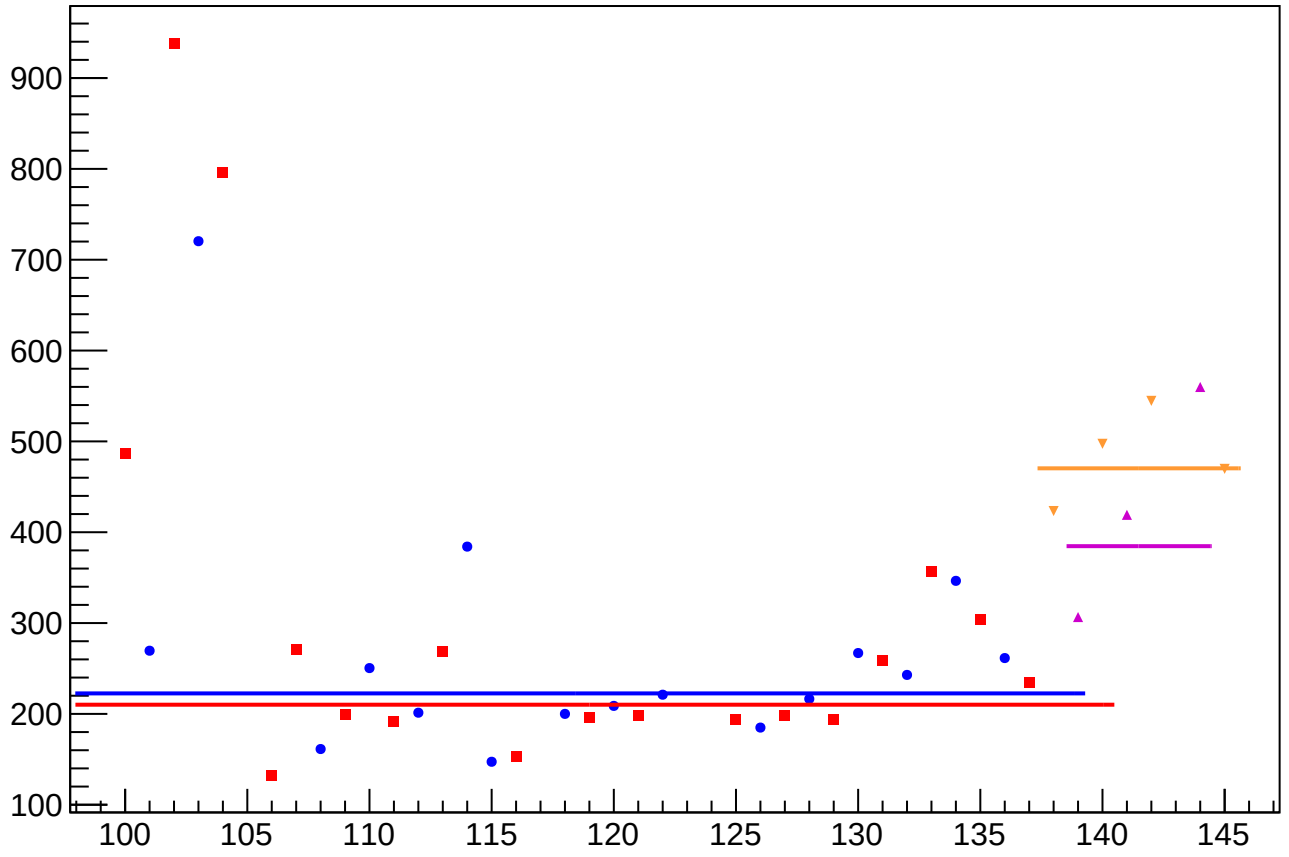
Left In: 0.011+/-0.000 χ^2/NDF:725855.0/2

+ sign 0.012+/-0.000 χ^2/NDF: 2827210.4/19

All: 0.012+/-0.000 χ^2/NDF: 6675535.2/40

- sign 0.011+/-0.000 χ^2/NDF: 3722716.3/20


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
145
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.662+/-0.285 χ²/NDF:2.4/3
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.001+/-0.248 χ²/NDF:8.1/2
+ sign 0.003+/-0.085 χ²/NDF: 25.6/19
All: -0.008+/-0.059 χ²/NDF: 59.9/40
- sign -0.018+/-0.082 χ²/NDF: 34.3/20



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 470.347+/-0.202 χ^2/NDF:39003.7/3

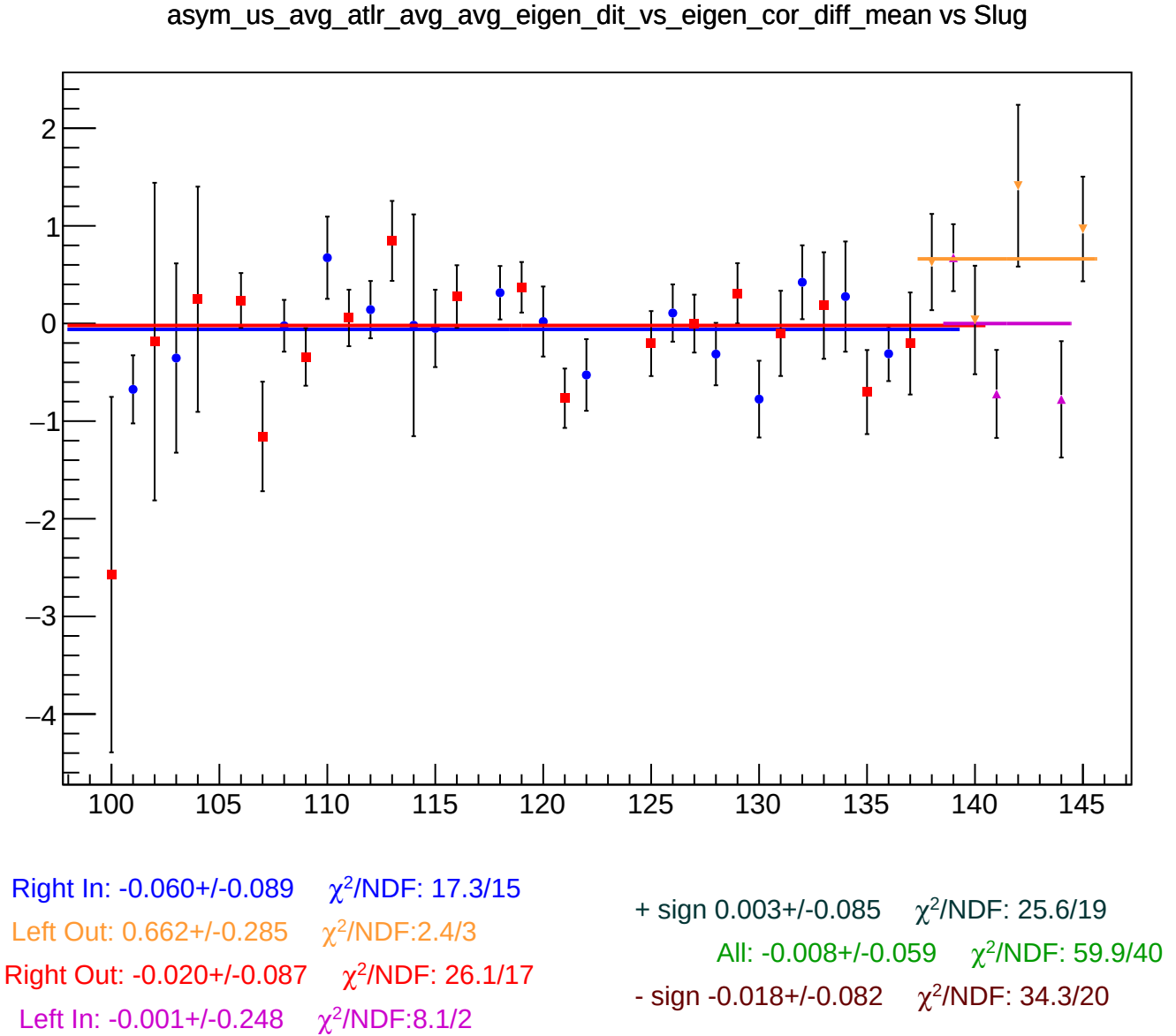
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

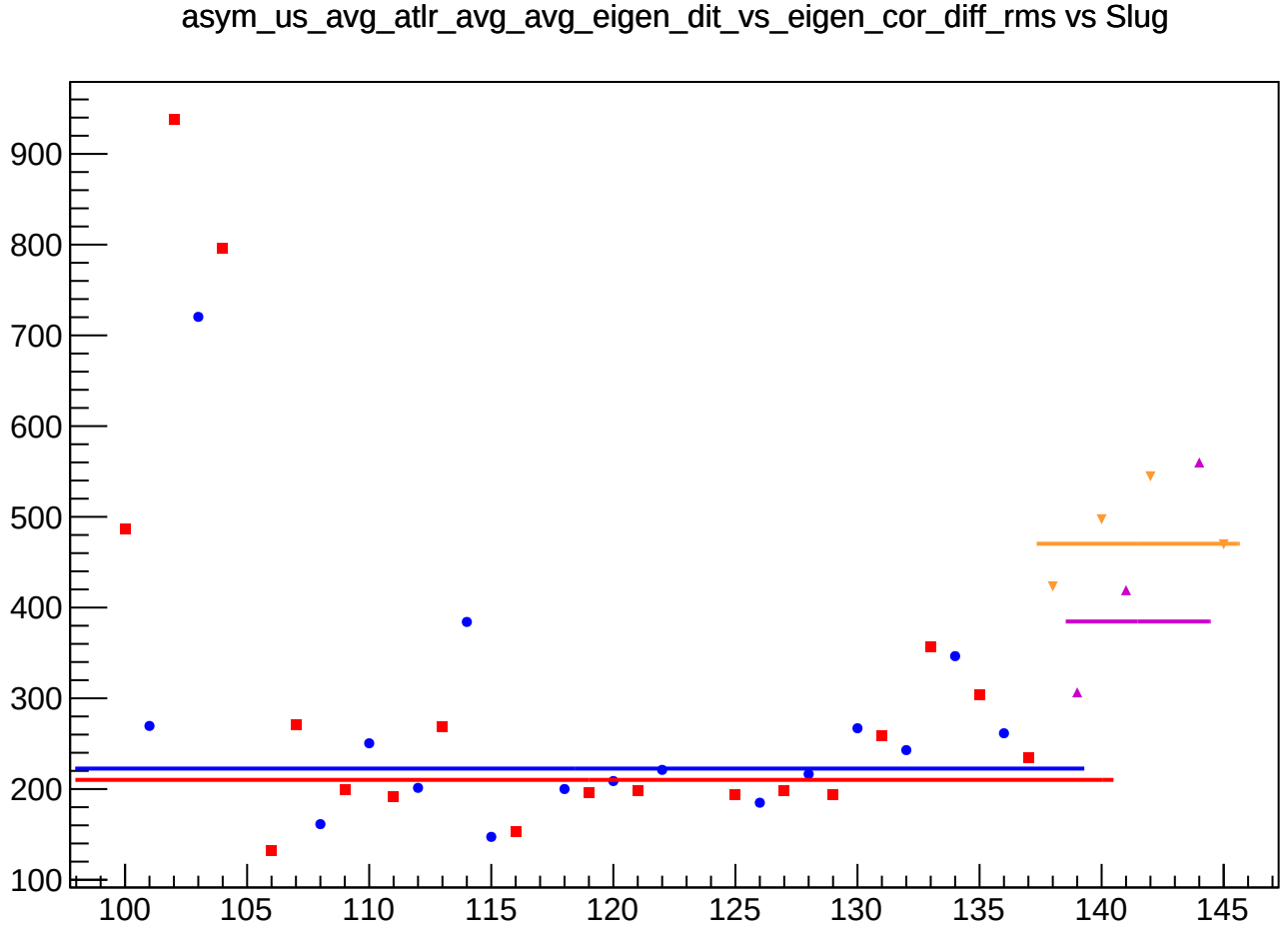
Left In: 384.655+/-0.175 χ^2/NDF:288304.8/2

+ sign 244.400+/-0.060 χ^2/NDF: 2434291.8/19

All: 236.703+/-0.042 χ^2/NDF: 5183822.9/40

- sign 229.401+/-0.058 χ^2/NDF: 2717316.1/20


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
145
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.662+/-0.285 χ²/NDF:2.4/3
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.001+/-0.248 χ²/NDF:8.1/2
+ sign 0.003+/-0.085 χ²/NDF: 25.6/19
All: -0.008+/-0.059 χ²/NDF: 59.9/40
- sign -0.018+/-0.082 χ²/NDF: 34.3/20



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 470.347+/-0.202 χ^2/NDF:39003.7/3

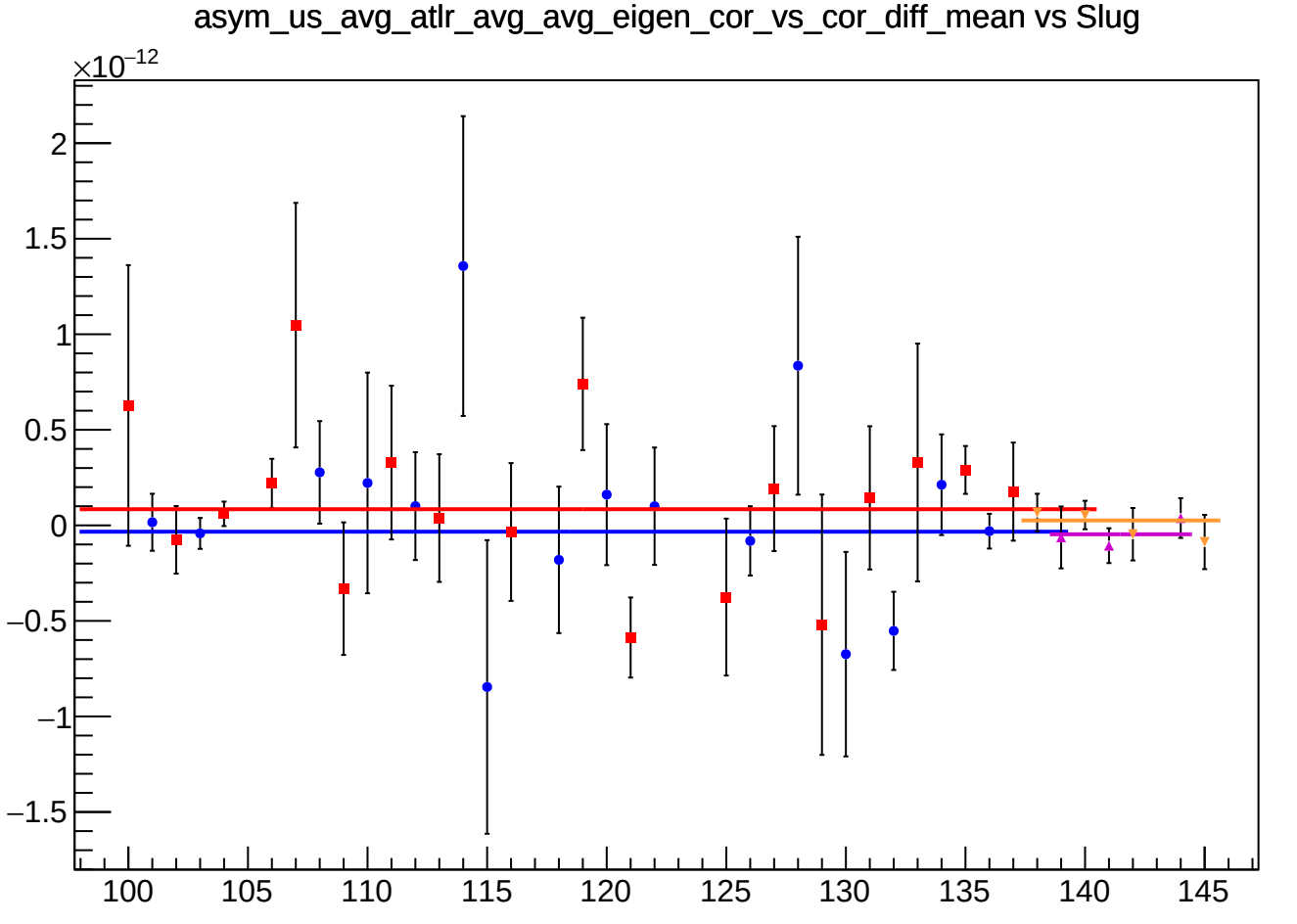
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 384.655+/-0.175 χ^2/NDF:288304.8/2

+ sign 244.400+/-0.060 χ^2/NDF: 2434291.8/19

All: 236.703+/-0.042 χ^2/NDF: 5183822.9/40

- sign 229.401+/-0.058 χ^2/NDF: 2717316.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/3

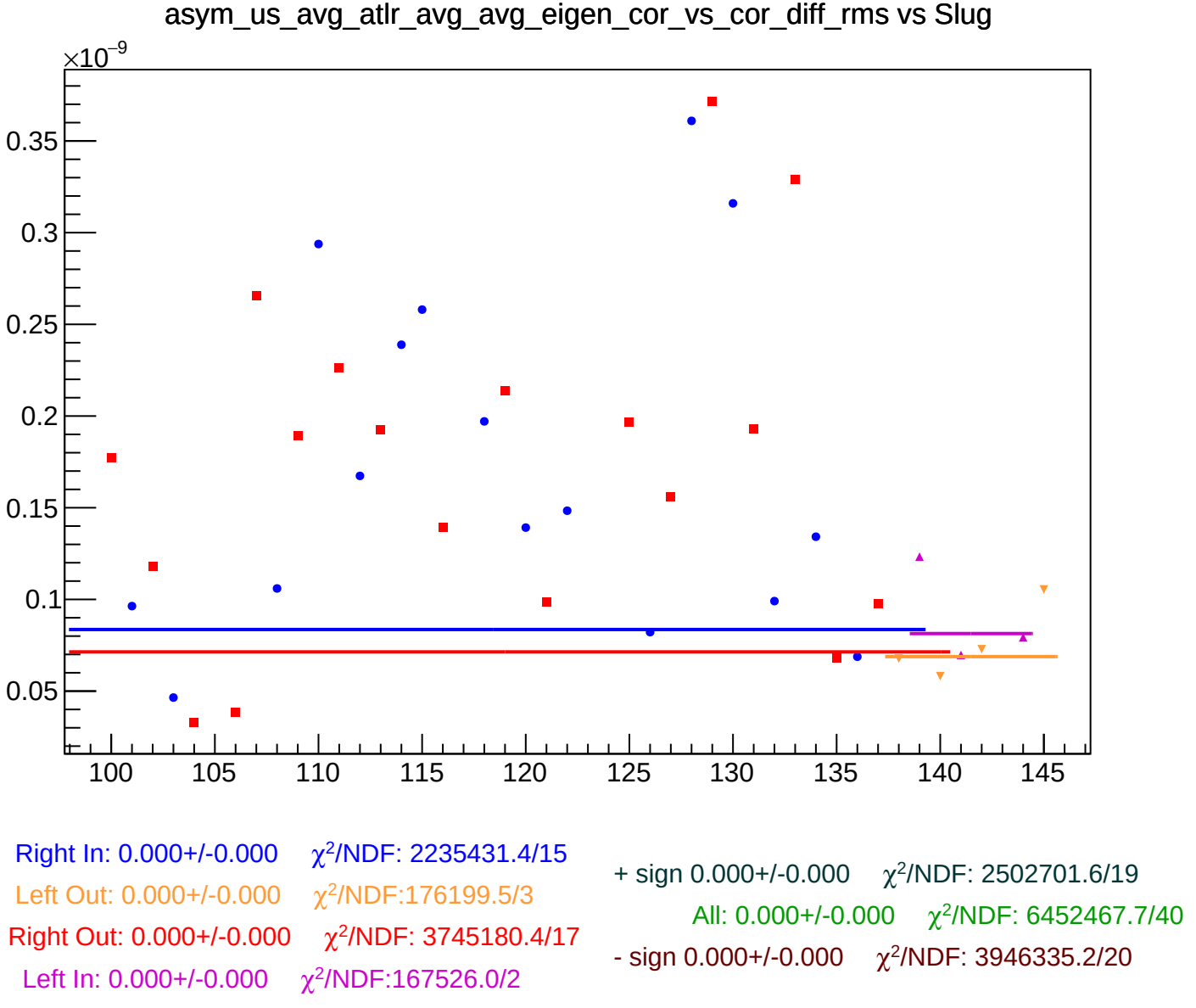
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/2

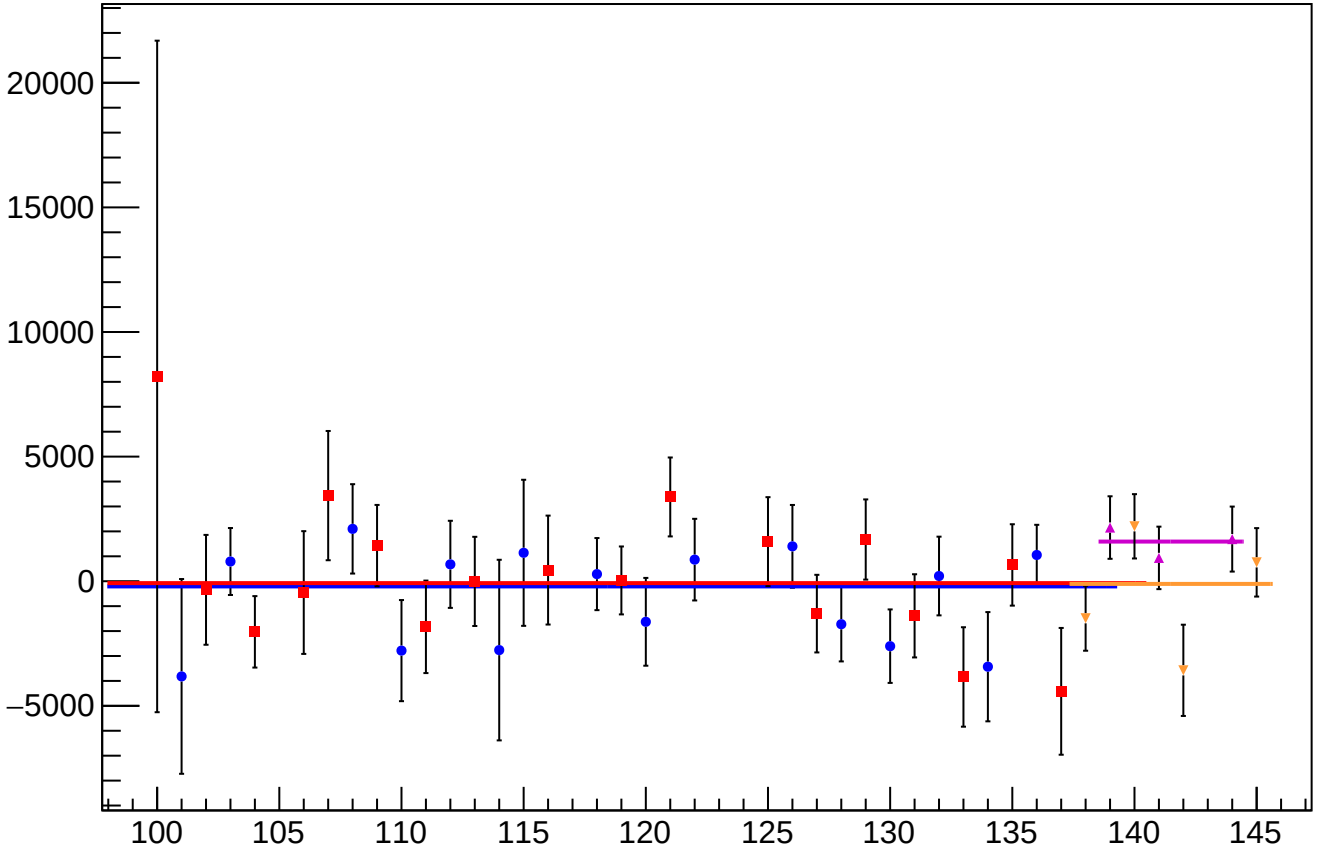
+ sign -0.000+/-0.000 χ^2/NDF: 19.2/19

All: 0.000+/-0.000 χ^2/NDF: 49.9/40

- sign 0.000+/-0.000 χ^2/NDF: 29.8/20


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:176199.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:167526.0/2
+ sign 0.000+/-0.000 χ²/NDF: 2502701.6/19
All: 0.000+/-0.000 χ²/NDF: 6452467.7/40
- sign 0.000+/-0.000 χ²/NDF: 3946335.2/20

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

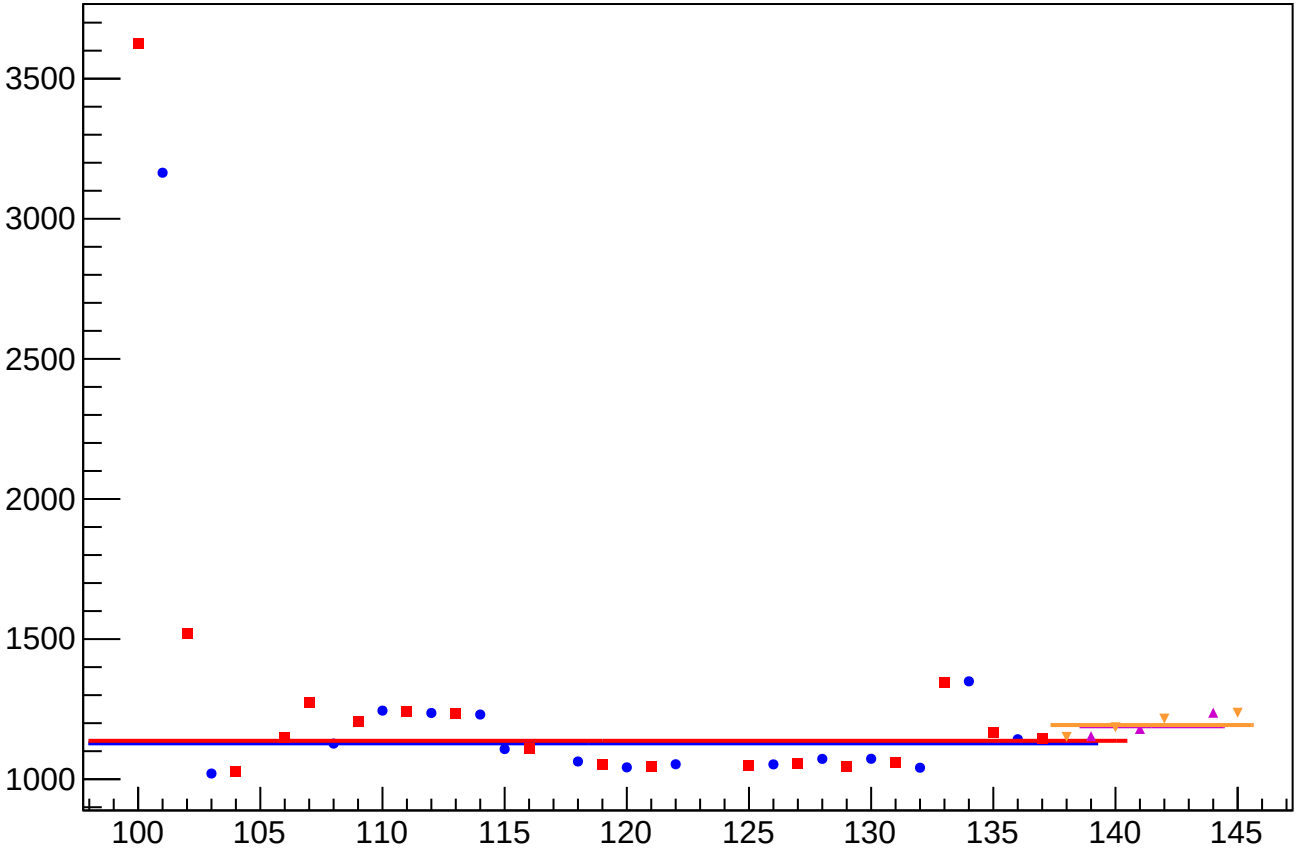
Left In: 1590.979+/-733.275 χ^2/NDF:0.5/2

+ sign -181.072+/-366.421 χ^2/NDF: 23.1/19

All: 81.837+/-260.846 χ^2/NDF: 49.1/40

- sign 351.961+/-371.415 χ^2/NDF: 25.0/20

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

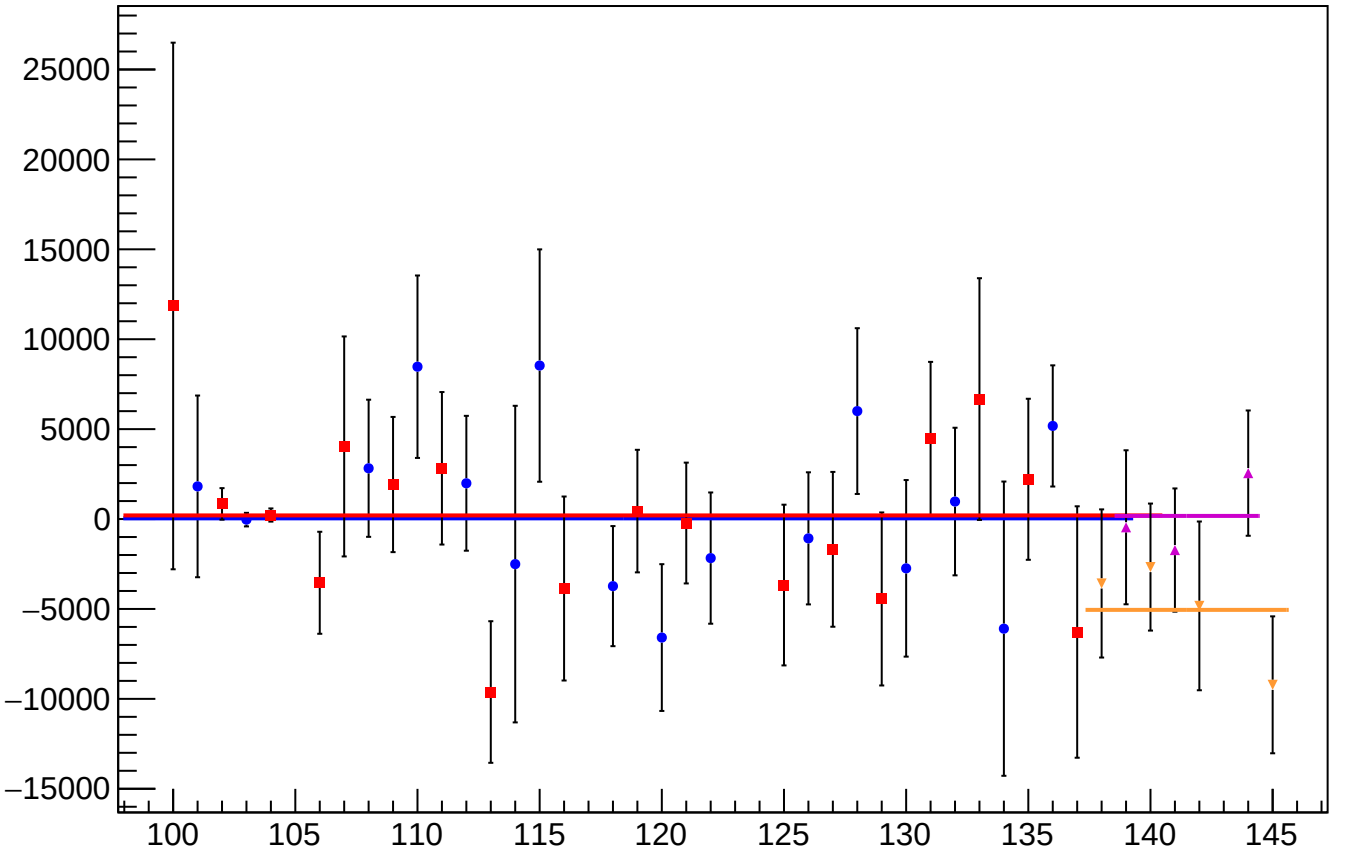
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1188.883+/-0.519 χ^2/NDF:4464.5/2

\+ sign 1145.693+/-0.259 χ^2/NDF: 638480.3/19

All: 1147.971+/-0.184 χ^2/NDF: 870626.4/40

\- sign 1150.305+/-0.262 χ^2/NDF: 231989.5/20



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -5051.396+/-1986.183 χ^2/NDF:1.8/3

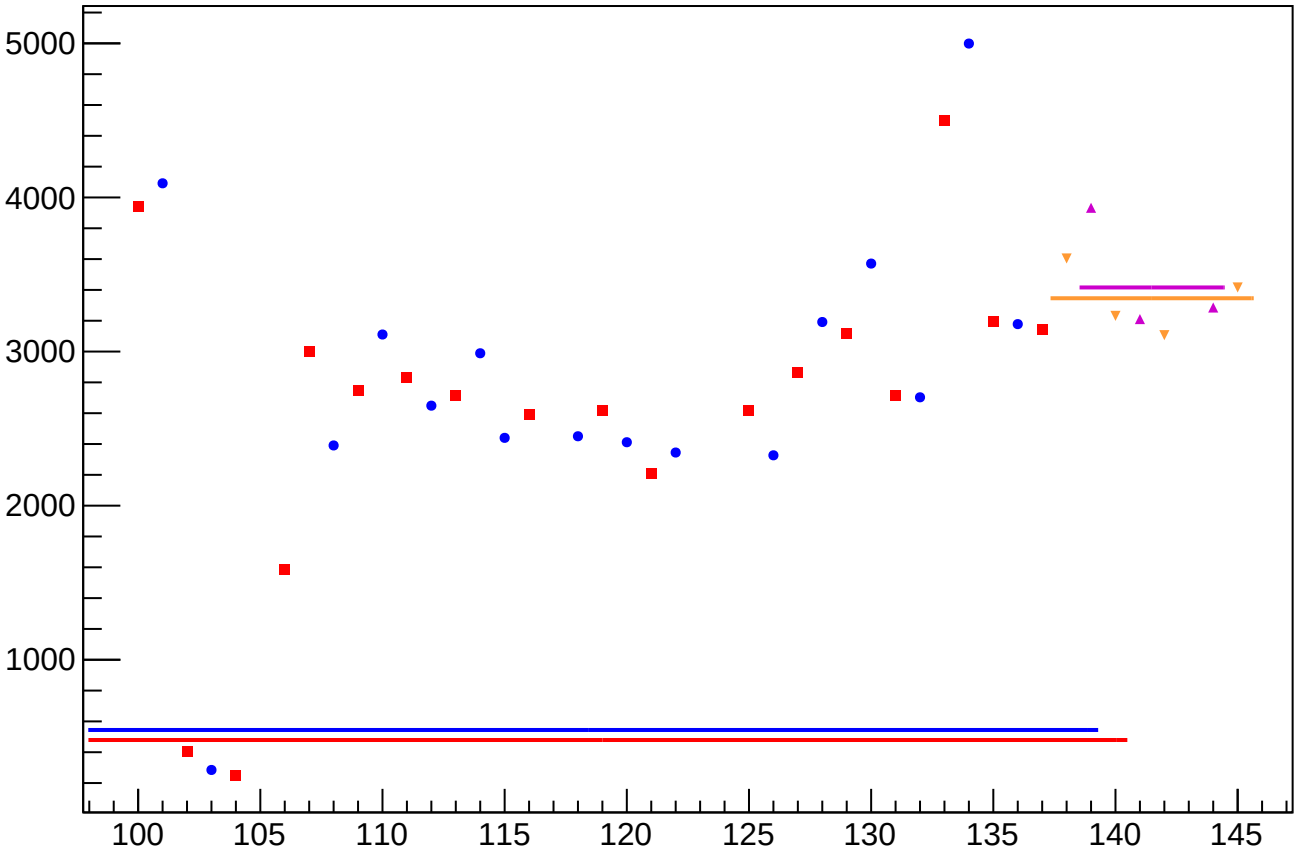
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 173.830+/-2121.877 χ^2/NDF:0.8/2

\+ sign -121.550+/-351.990 χ^2/NDF: 23.0/19

All: 55.612+/-236.324 χ^2/NDF: 39.9/40

\- sign 201.013+/-318.882 χ^2/NDF: 16.4/20



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

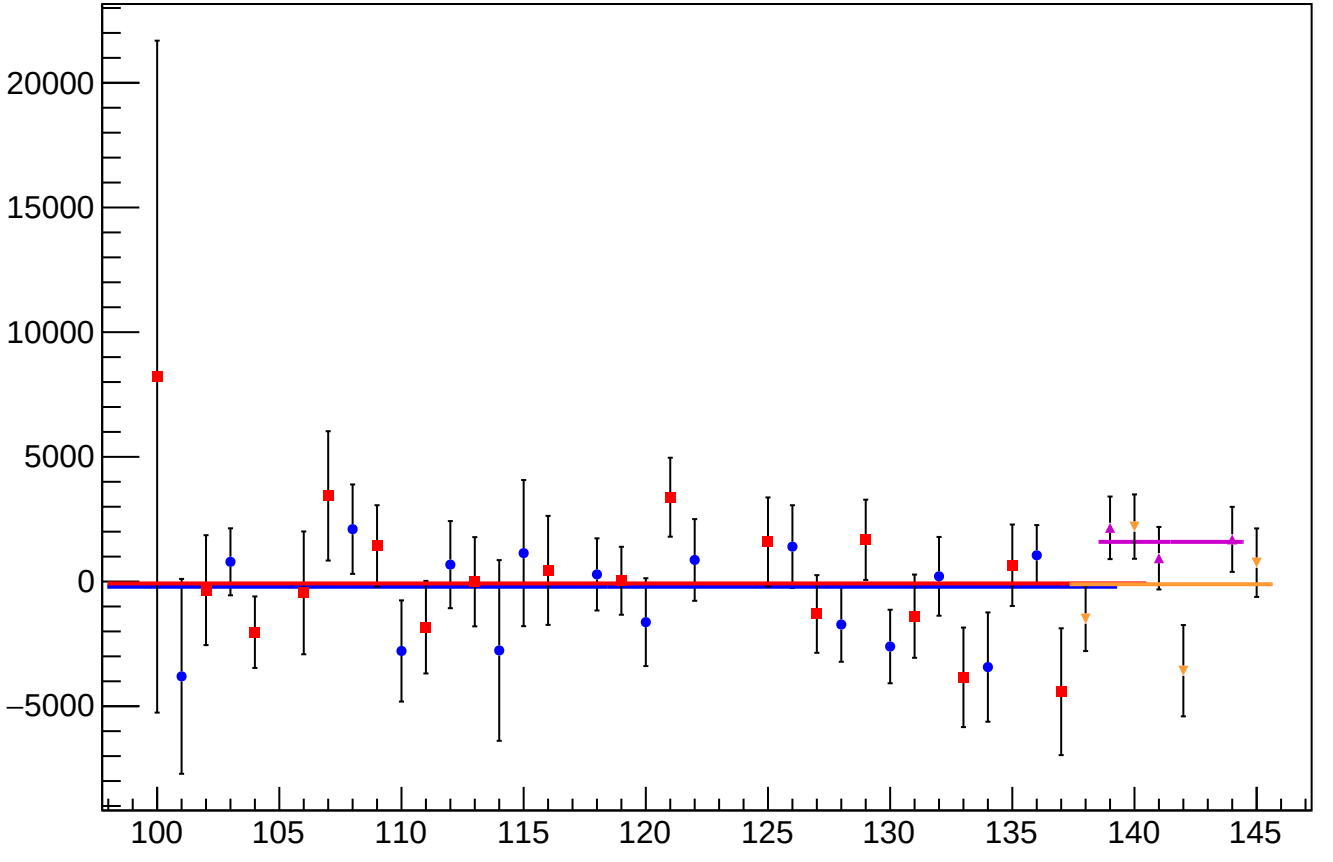
Left In: 3415.973+/-1.500 χ^2/NDF:39117.3/2

+ sign 632.324+/-0.249 χ^2/NDF: 13553050.7/19

All: 584.681+/-0.167 χ^2/NDF: 26591365.4/40

- sign 545.578+/-0.225 χ^2/NDF: 12971599.8/20

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

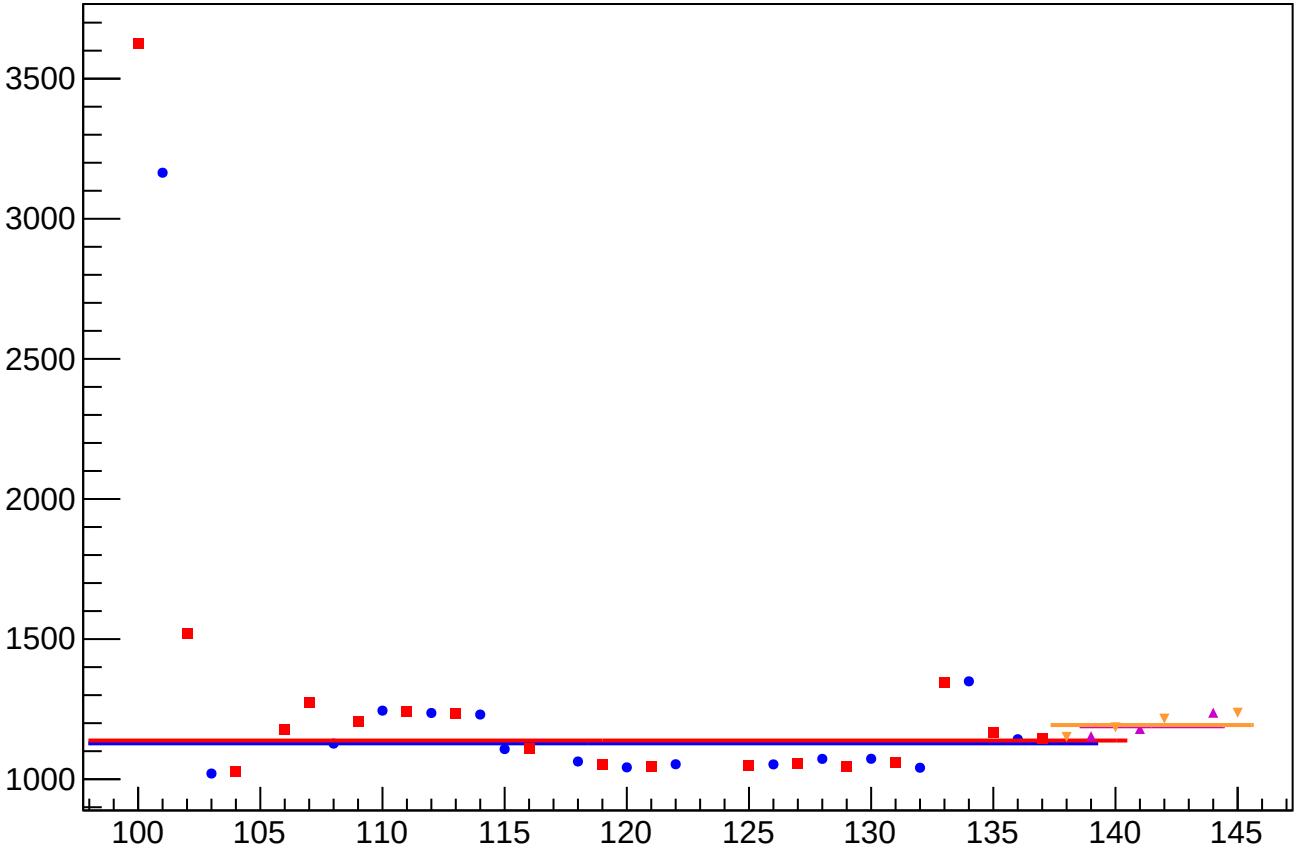
Left In: 1591.184+/-733.275 χ^2/NDF:0.5/2

+ sign -180.933+/-366.421 χ^2/NDF: 23.1/19

All: 81.880+/-260.846 χ^2/NDF: 49.1/40

- sign 351.906+/-371.415 χ^2/NDF: 25.0/20

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

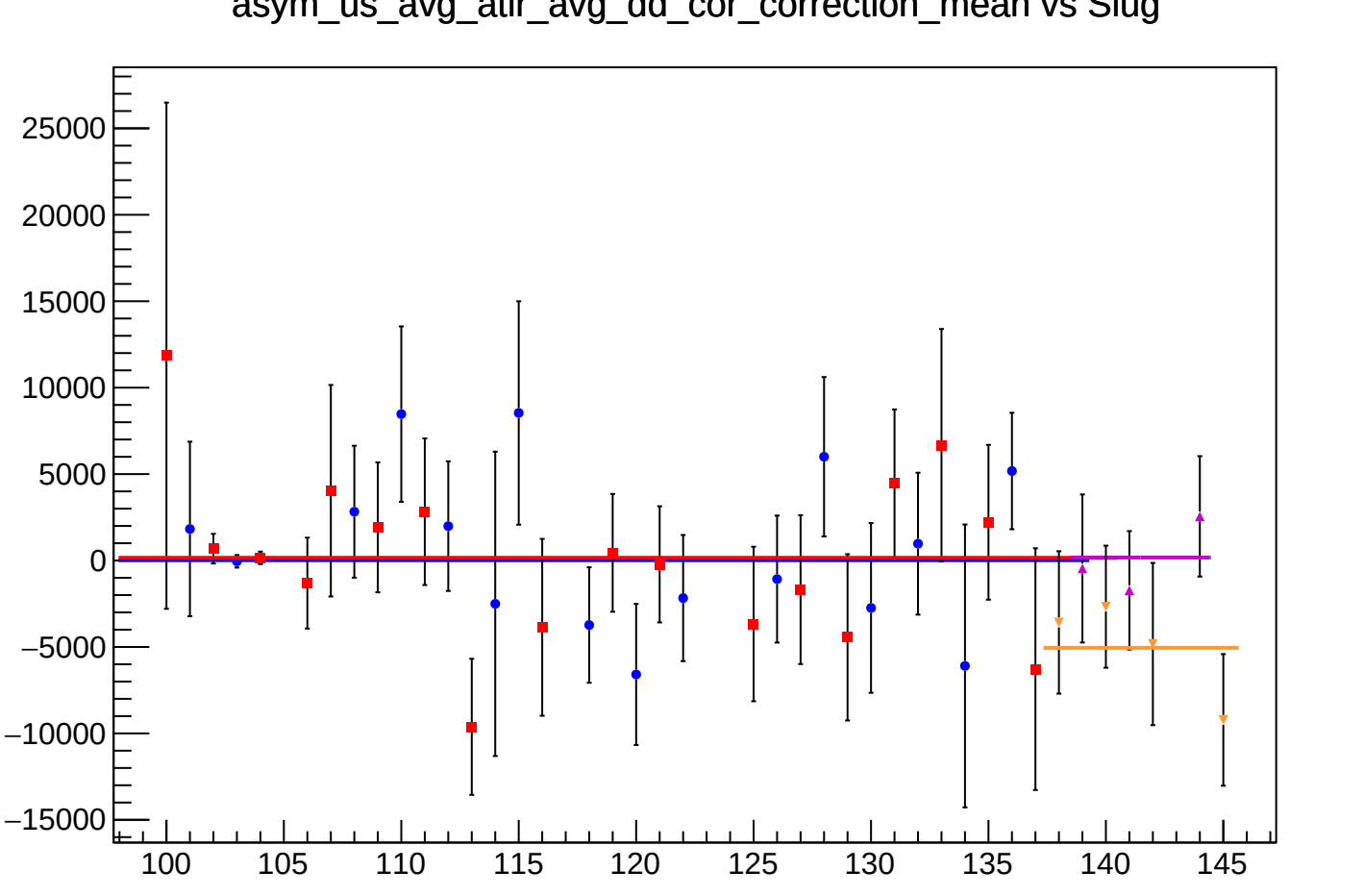
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1188.883+/-0.519 χ^2/NDF:4464.5/2

\+ sign 1145.693+/-0.259 χ^2/NDF: 638481.5/19

All: 1148.333+/-0.184 χ^2/NDF: 870942.6/40

\- sign 1151.043+/-0.263 χ^2/NDF: 232250.7/20



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -5051.472+/-1986.181 χ^2/NDF:1.8/3

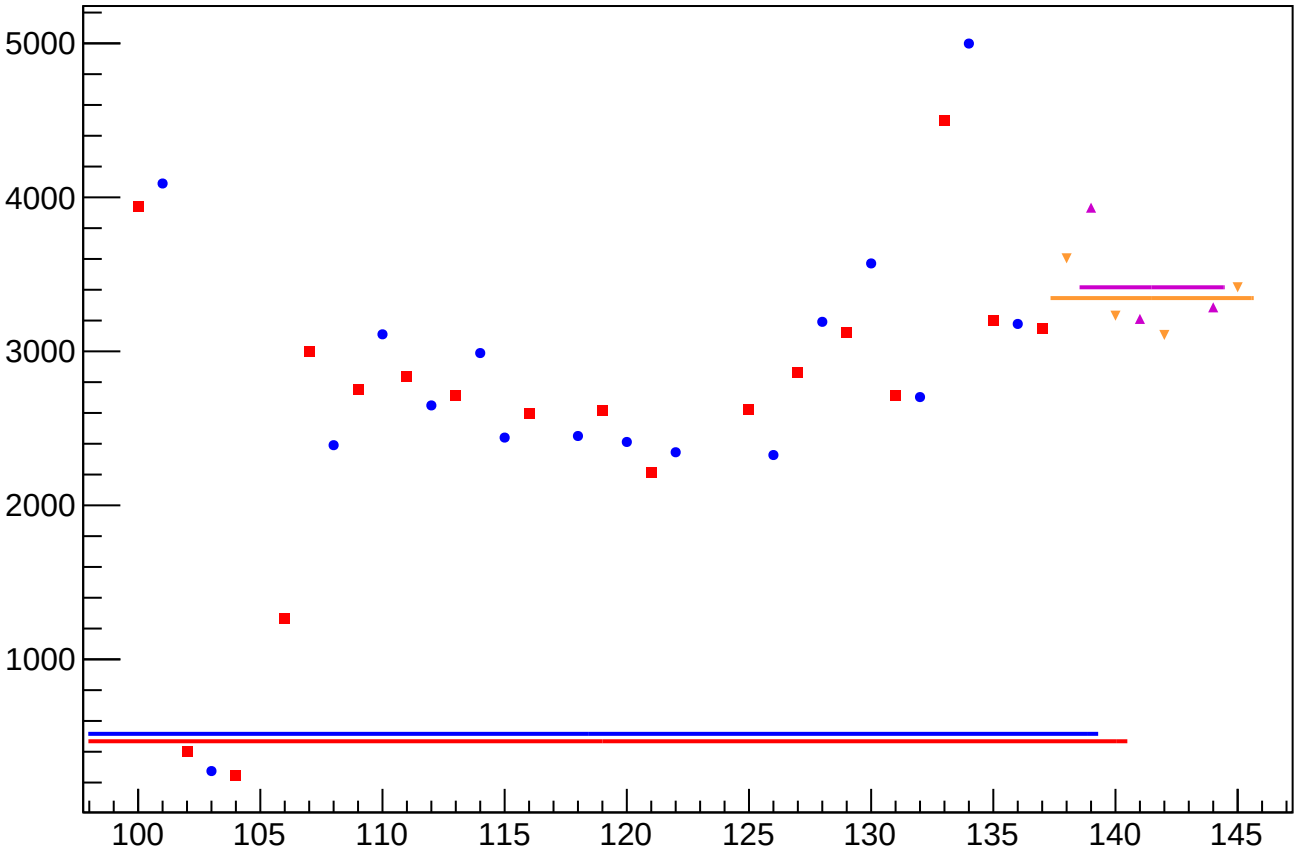
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 173.887+/-2121.879 χ^2/NDF:0.8/2

+ sign -126.540+/-339.456 χ^2/NDF: 23.0/19

All: 26.108+/-230.457 χ^2/NDF: 38.1/40

- sign 156.617+/-313.876 χ^2/NDF: 14.8/20



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

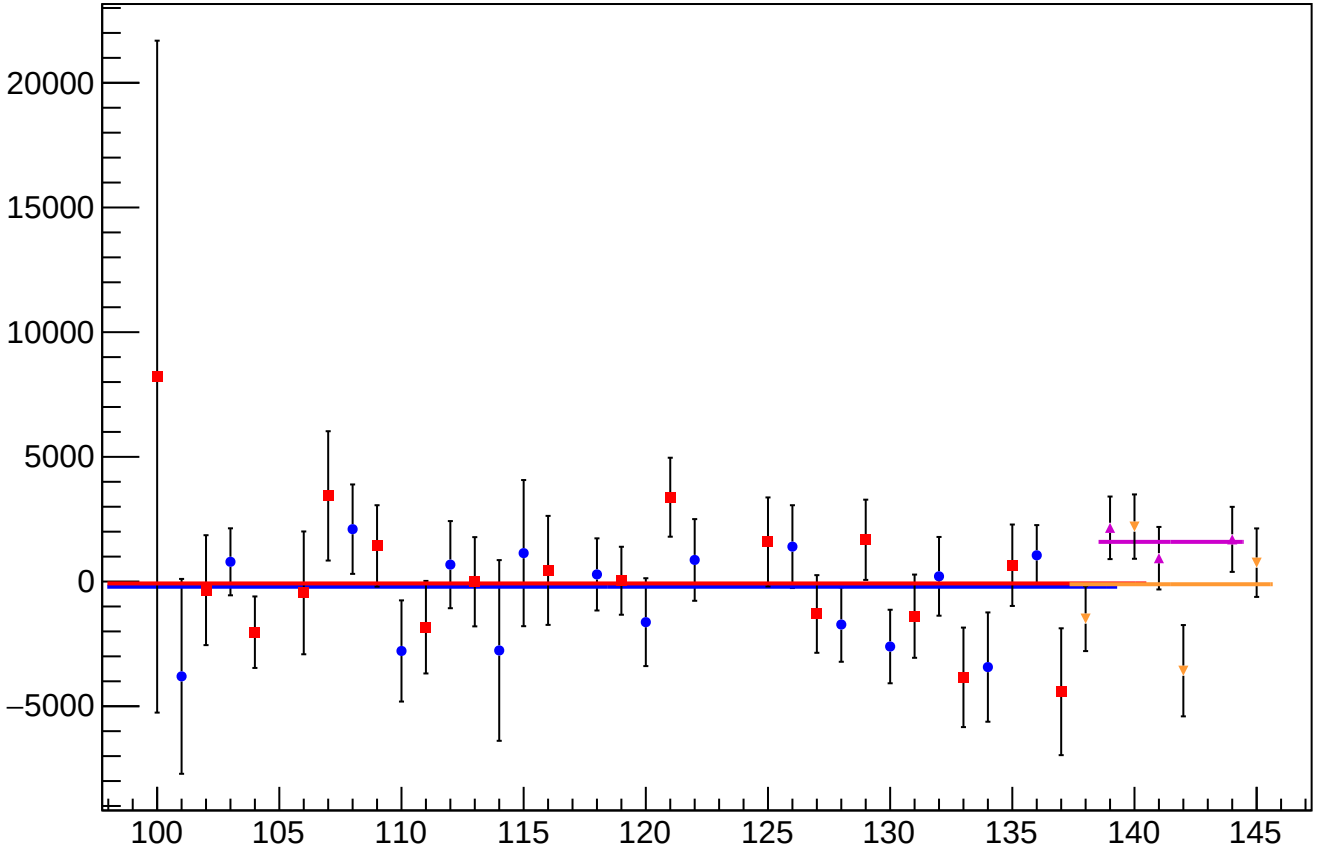
Left In: 3415.973+/-1.500 χ^2/NDF:39117.9/2

+ sign 598.950+/-0.240 χ^2/NDF: 13791200.8/19

All: 563.162+/-0.163 χ^2/NDF: 26758585.5/40

- sign 532.564+/-0.222 χ^2/NDF: 12926149.0/20

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

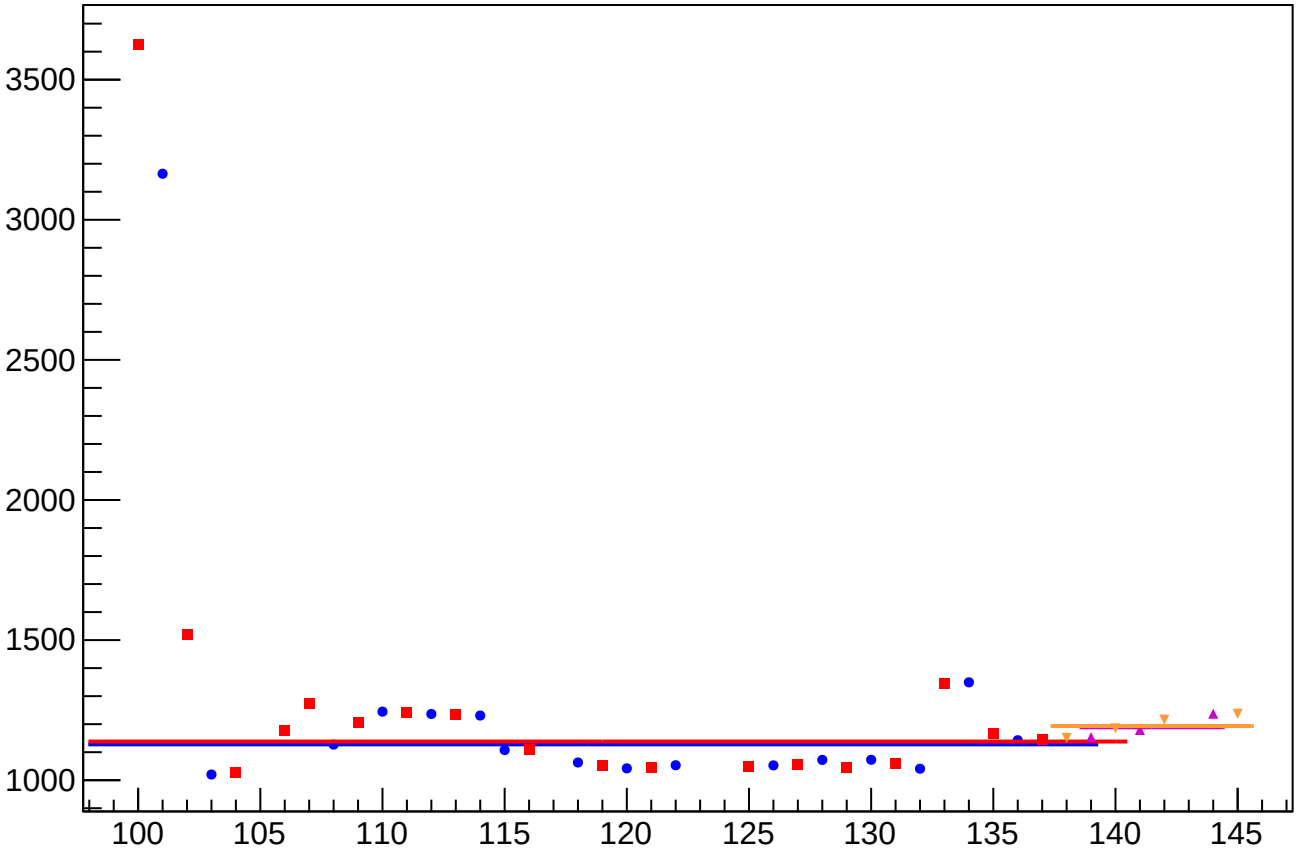
Left In: 1591.184+/-733.275 χ^2/NDF:0.5/2

+ sign -180.933+/-366.421 χ^2/NDF: 23.1/19

All: 81.880+/-260.846 χ^2/NDF: 49.1/40

- sign 351.906+/-371.415 χ^2/NDF: 25.0/20

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

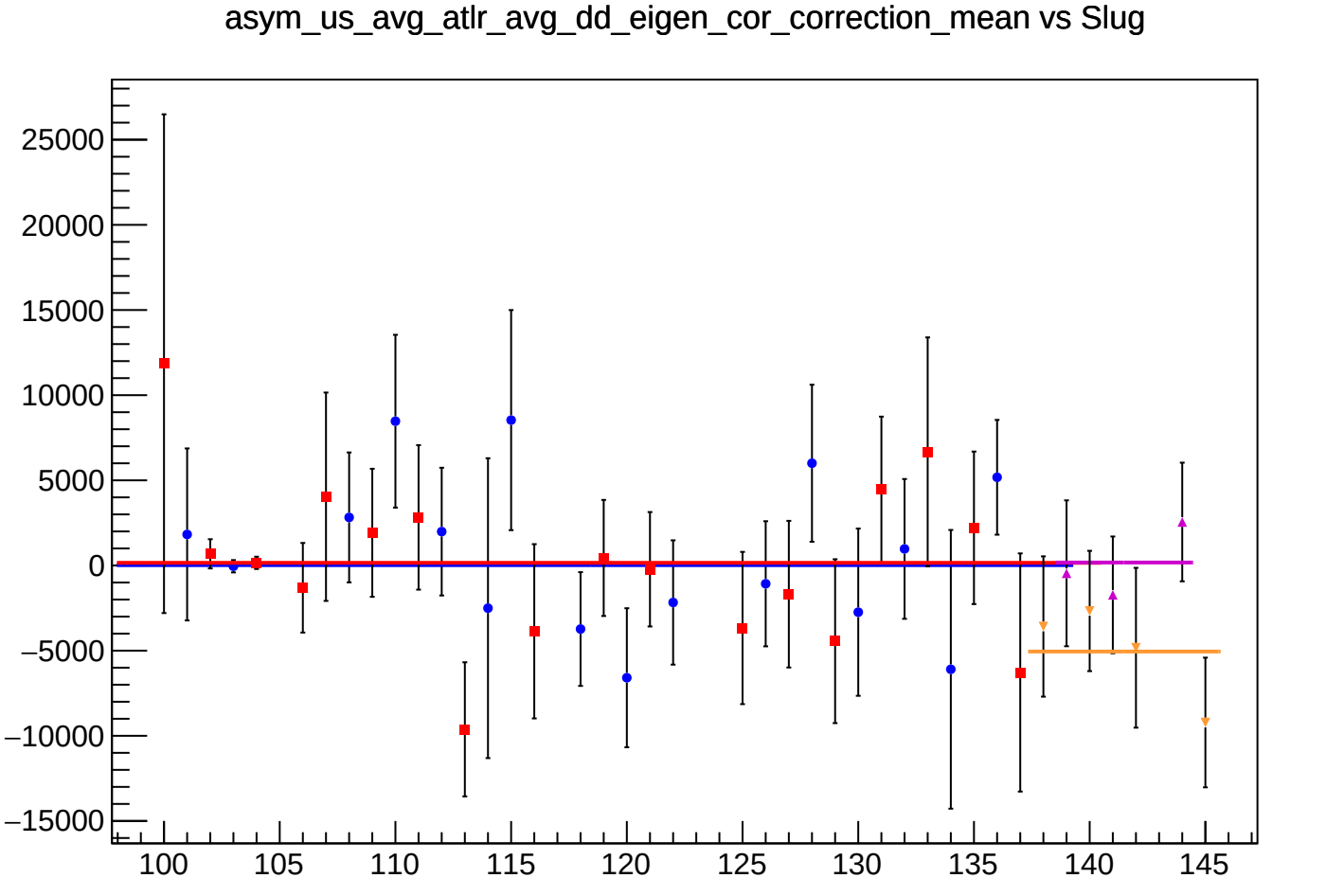
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1188.883+/-0.519 χ^2/NDF:4464.5/2

+ sign 1145.693+/-0.259 χ^2/NDF: 638481.5/19

All: 1148.333+/-0.184 χ^2/NDF: 870942.6/40

- sign 1151.043+/-0.263 χ^2/NDF: 232250.7/20



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -5051.472+/-1986.181 χ^2/NDF:1.8/3

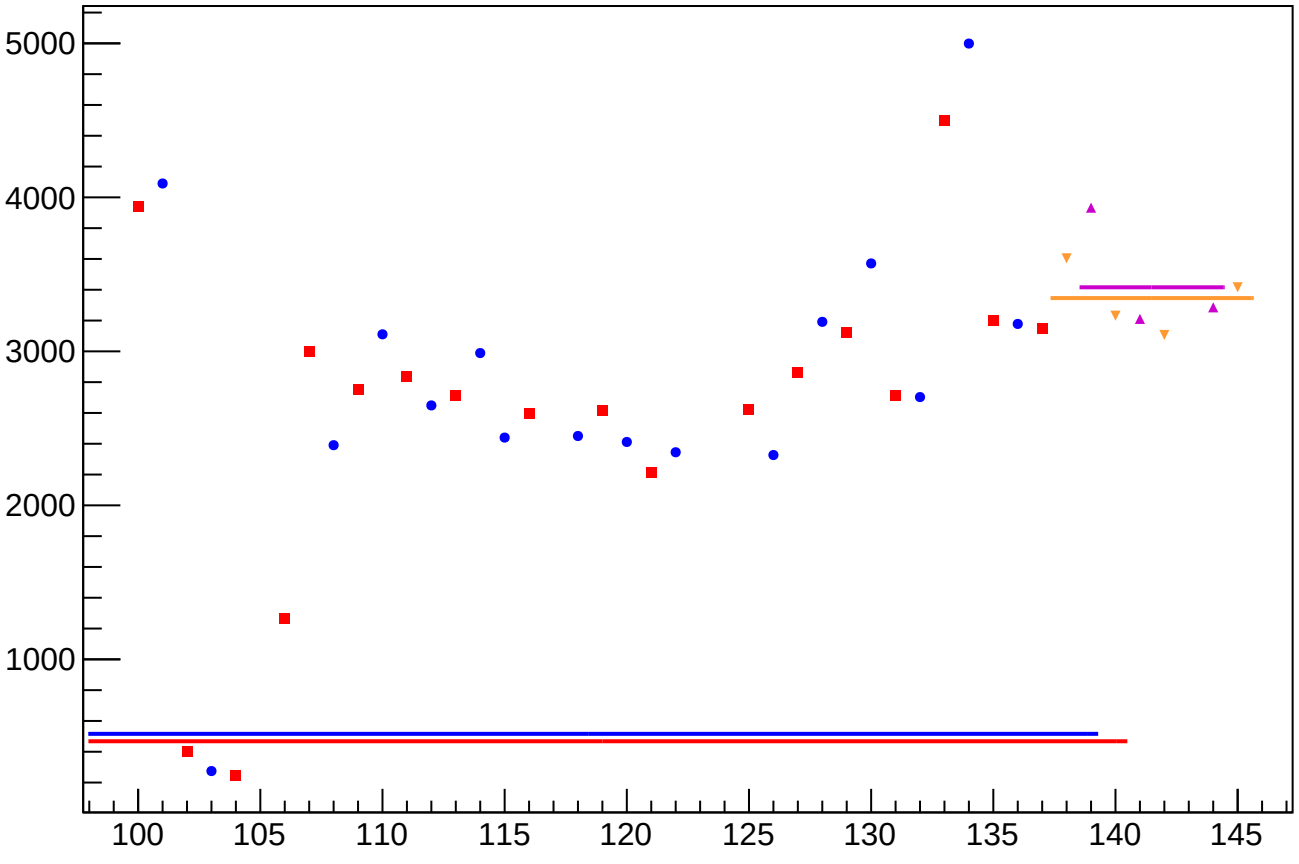
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 173.887+/-2121.879 χ^2/NDF:0.8/2

+ sign -126.540+/-339.456 χ^2/NDF: 23.0/19

All: 26.108+/-230.457 χ^2/NDF: 38.1/40

- sign 156.617+/-313.876 χ^2/NDF: 14.8/20



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

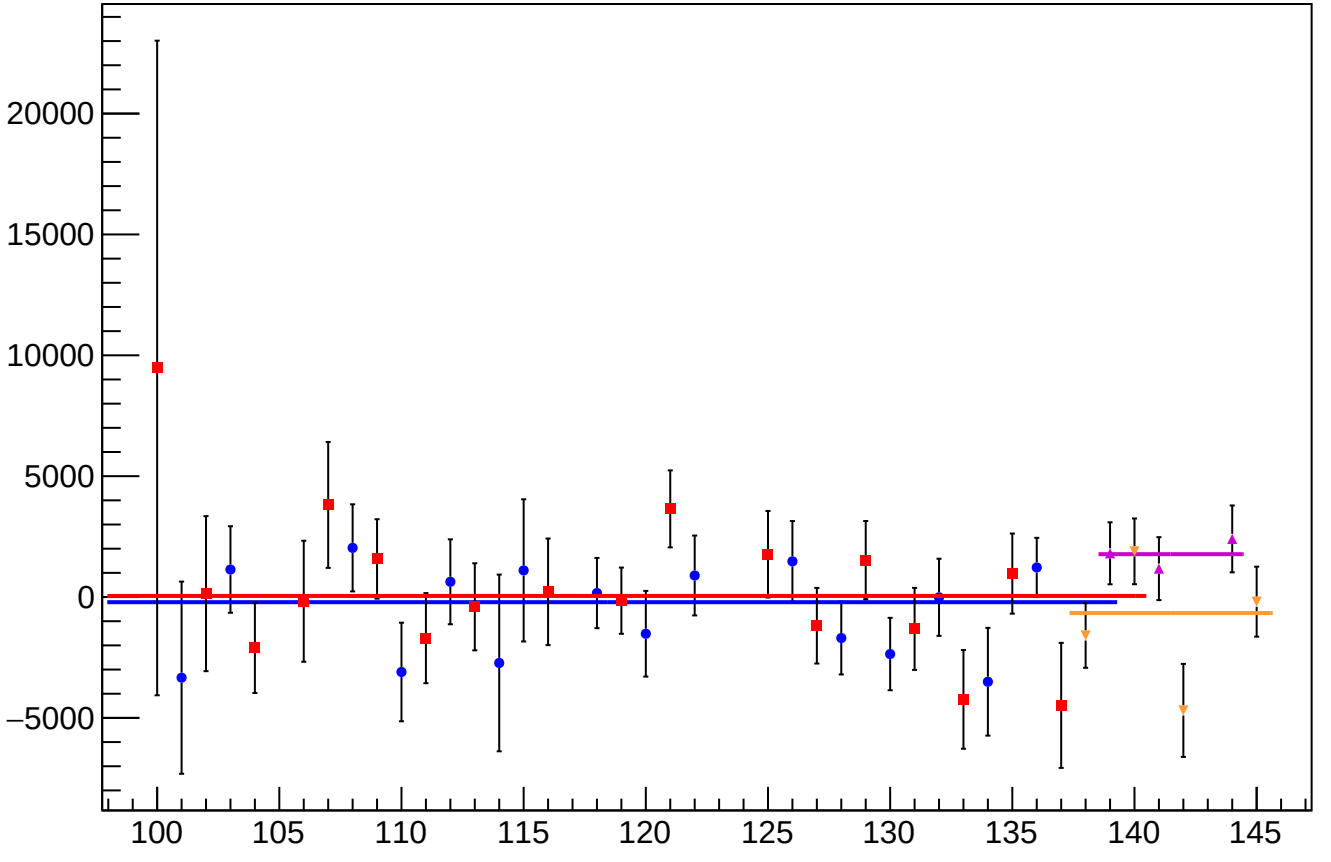
Left In: 3415.973+/-1.500 χ^2/NDF:39117.9/2

+ sign 598.950+/-0.240 χ^2/NDF: 13791200.8/19

All: 563.162+/-0.163 χ^2/NDF: 26758585.5/40

- sign 532.564+/-0.222 χ^2/NDF: 12926149.0/20

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

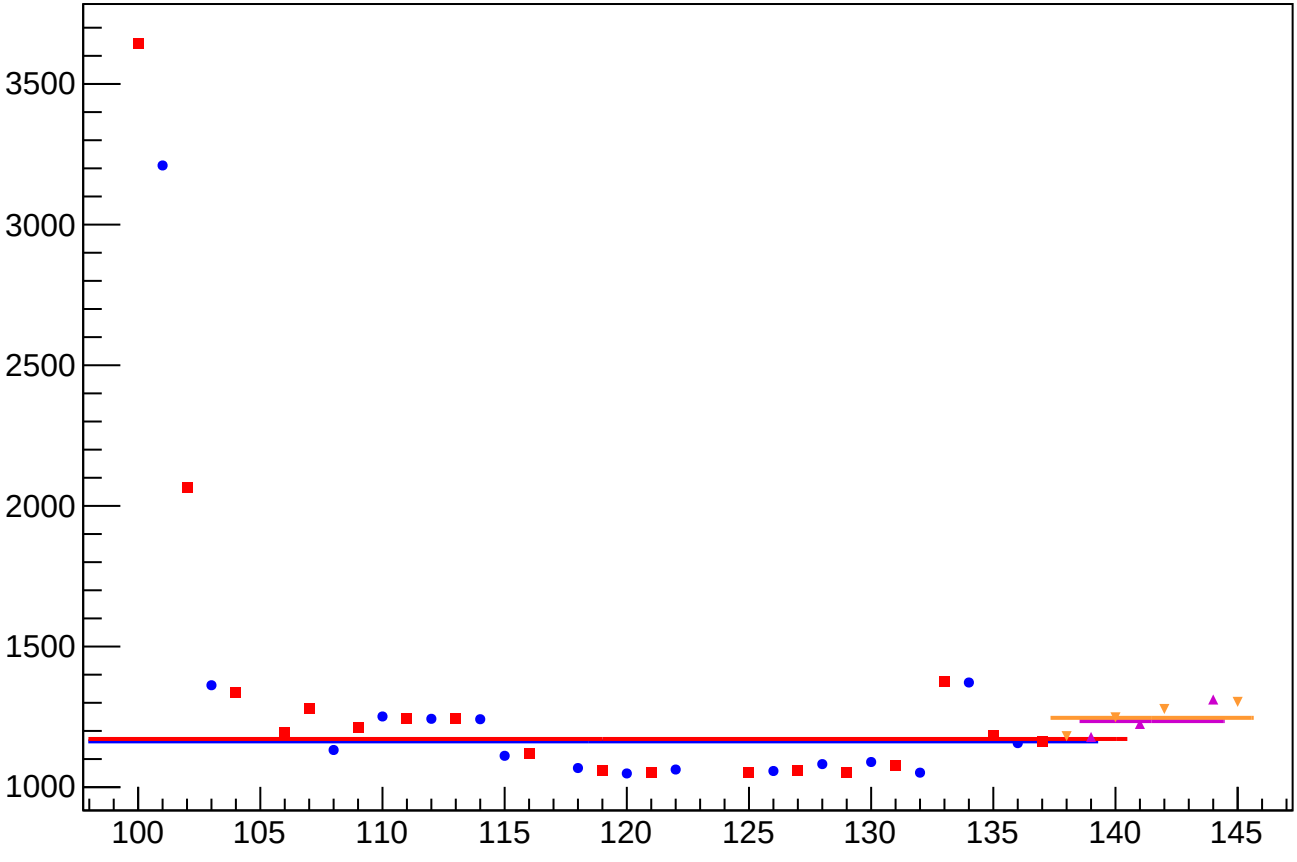
Left In: 1773.180+/-762.264 χ^2/NDF:0.4/2

+ sign -332.509+/-379.324 χ^2/NDF: 23.1/19

All: 70.842+/-270.460 χ^2/NDF: 51.3/40

- sign 487.938+/-385.733 χ^2/NDF: 25.9/20

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

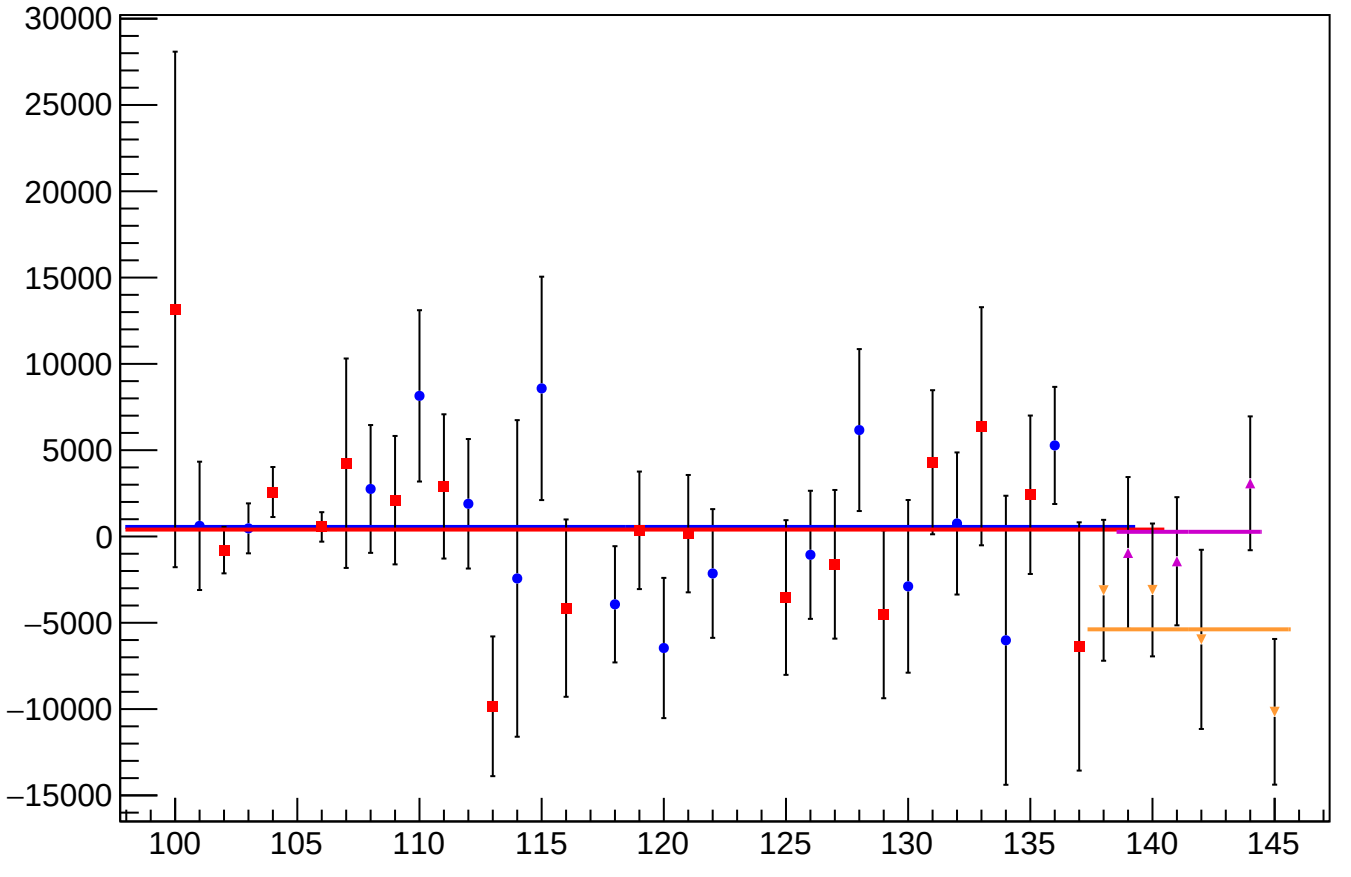
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1234.975+/-0.539 χ^2/NDF:10140.8/2

\+ sign 1185.096+/-0.268 χ^2/NDF: 662715.3/19

All: 1186.368+/-0.191 χ^2/NDF: 1014888.2/40

\- sign 1187.684+/-0.273 χ^2/NDF: 352127.1/20



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -5380.022+/-2128.144 χ^2/NDF:2.0/3

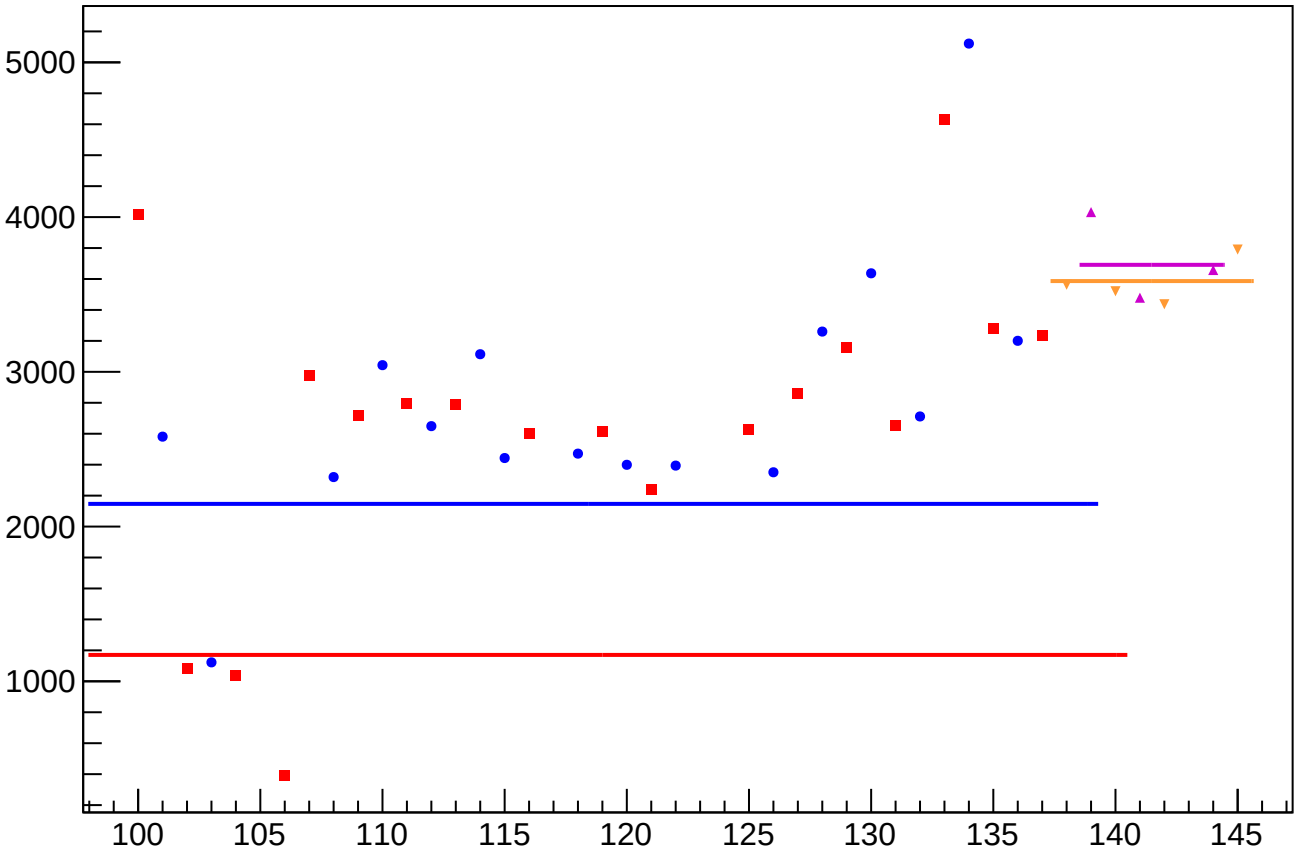
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 270.161+/-2289.402 χ^2/NDF:0.8/2

\+ sign -303.891+/-808.576 χ^2/NDF: 23.0/19

All: 172.872+/-454.392 χ^2/NDF: 41.0/40

\- sign 392.932+/-549.339 χ^2/NDF: 17.5/20



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

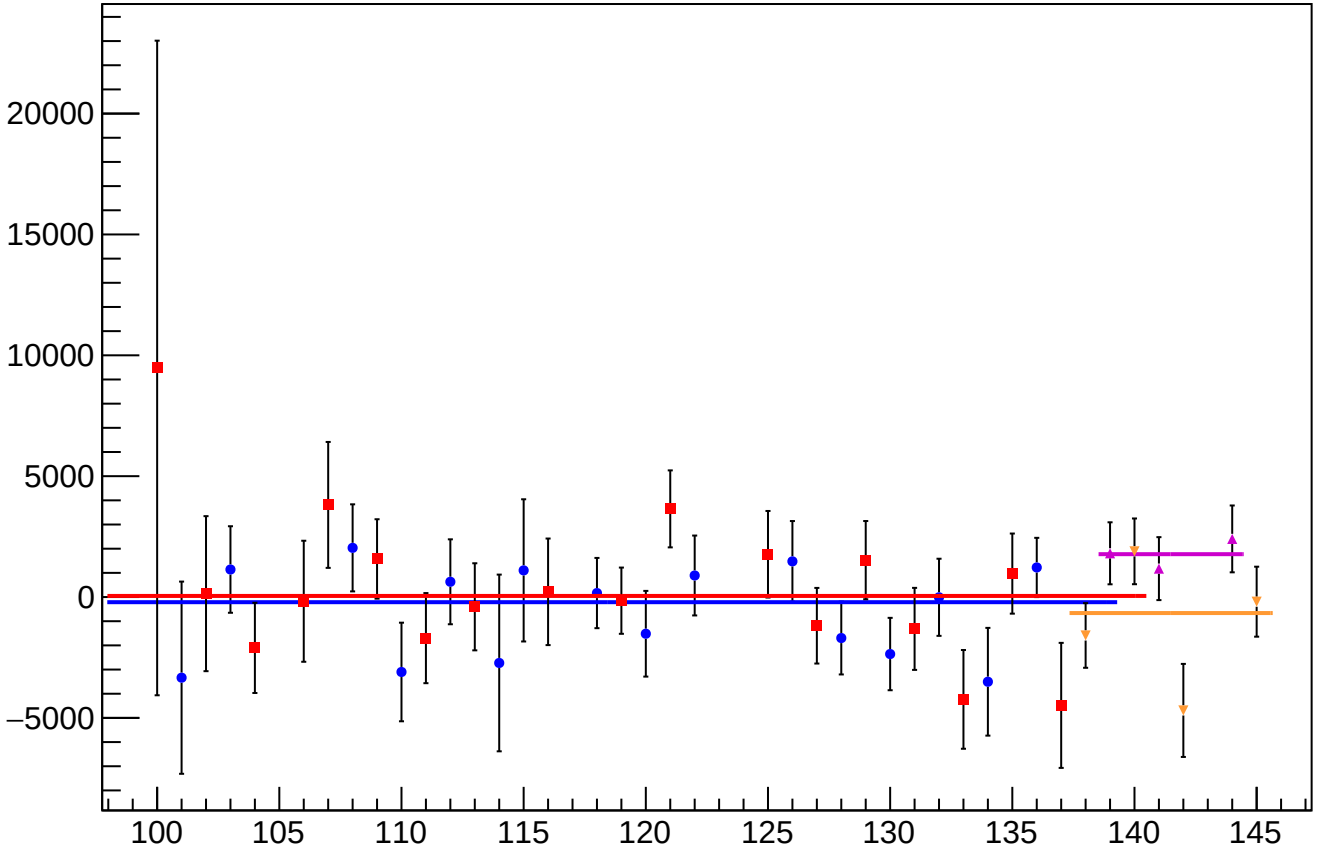
Left In: 3691.509+/-1.619 χ^2/NDF:18706.8/2

+ sign 2354.481+/-0.572 χ^2/NDF: 2765138.6/19

All: 1643.764+/-0.321 χ^2/NDF: 13145094.6/4

- sign 1315.717+/-0.388 χ^2/NDF: 8121552.7/20

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: -662.468+/-735.799 χ^2/NDF:8.5/3

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

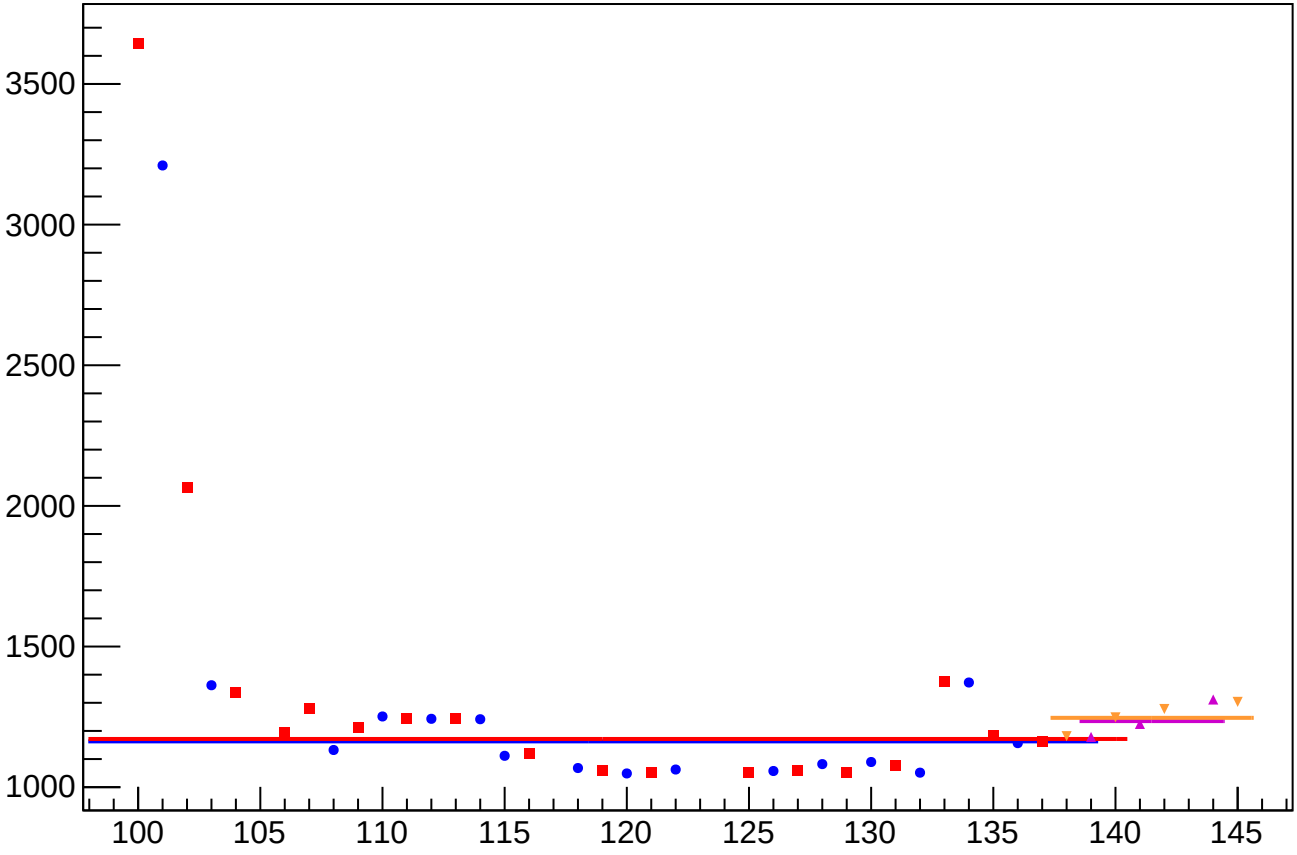
Left In: 1773.176+/-762.265 χ^2/NDF:0.4/2

+ sign -332.514+/-379.324 χ^2/NDF: 23.1/19

All: 70.840+/-270.460 χ^2/NDF: 51.3/40

- sign 487.939+/-385.733 χ^2/NDF: 25.9/20

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

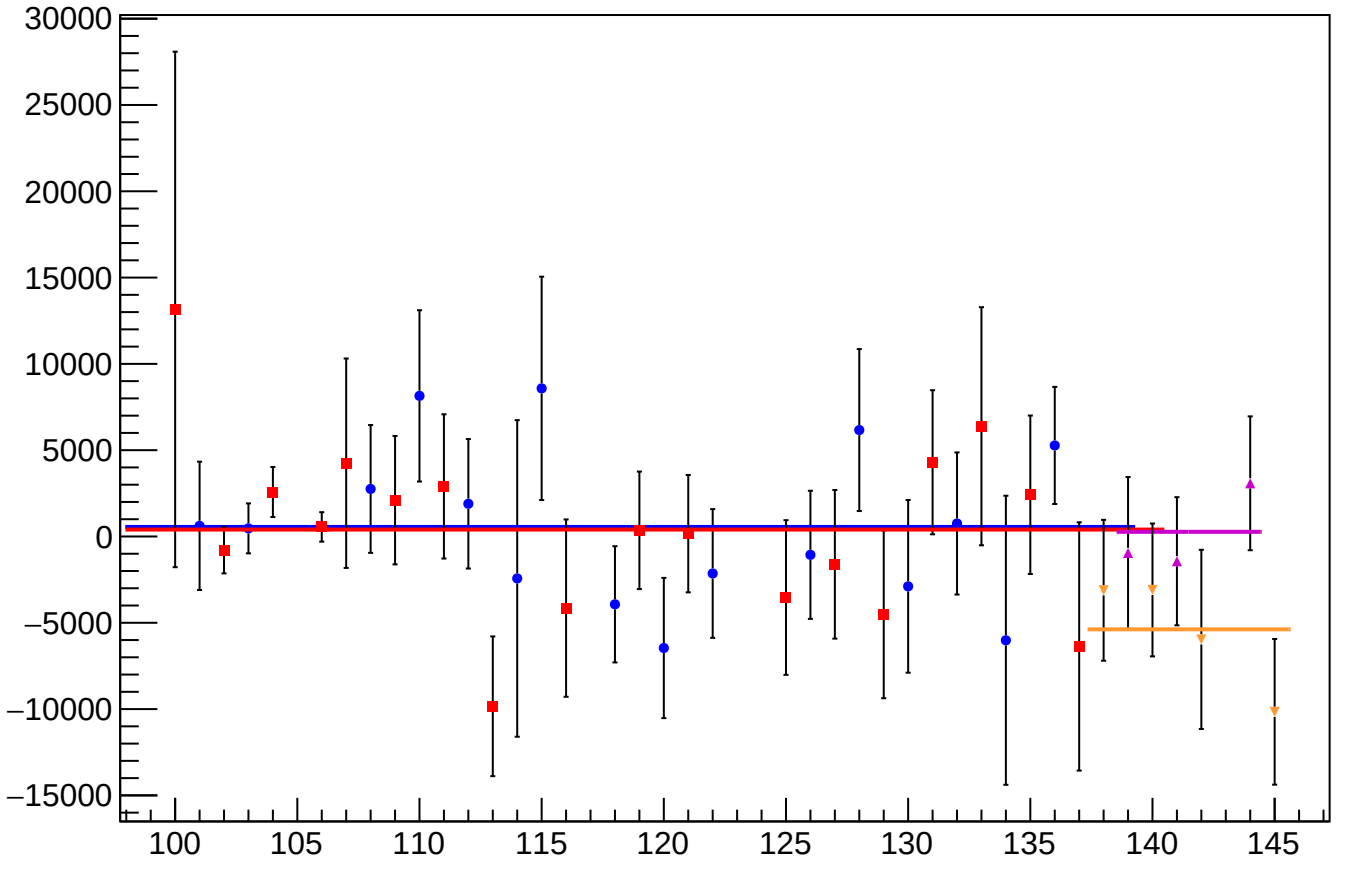
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1234.976+/-0.539 χ^2/NDF:10140.8/2

\+ sign 1185.096+/-0.268 χ^2/NDF: 662716.1/19

All: 1186.369+/-0.191 χ^2/NDF: 1014889.1/40

\- sign 1187.684+/-0.273 χ^2/NDF: 352127.1/20



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -5380.037+/-2128.147 χ^2/NDF:2.0/3

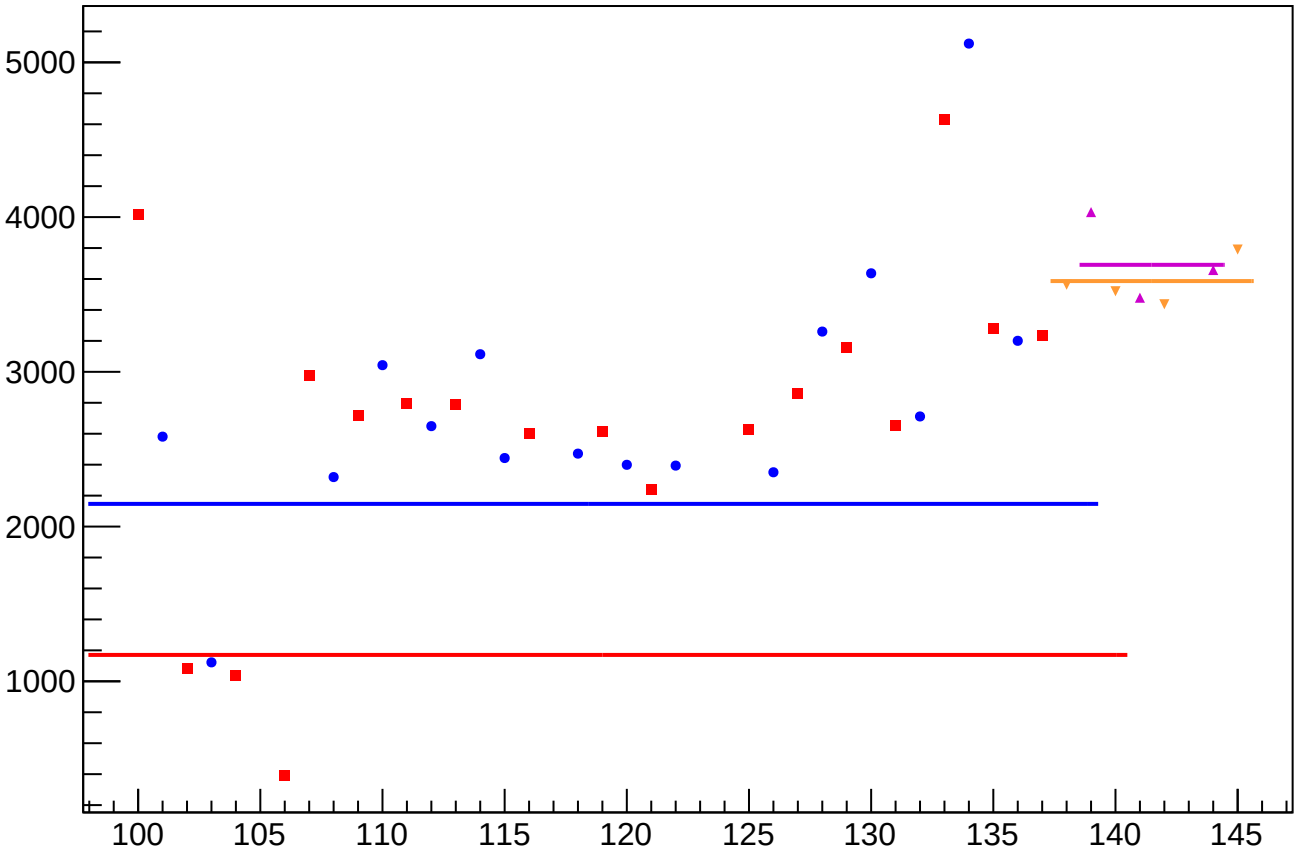
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 270.157+/-2289.405 χ^2/NDF:0.8/2

+ sign -303.894+/-808.575 χ^2/NDF: 23.0/19

All: 172.874+/-454.388 χ^2/NDF: 41.0/40

- sign 392.933+/-549.333 χ^2/NDF: 17.5/20



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

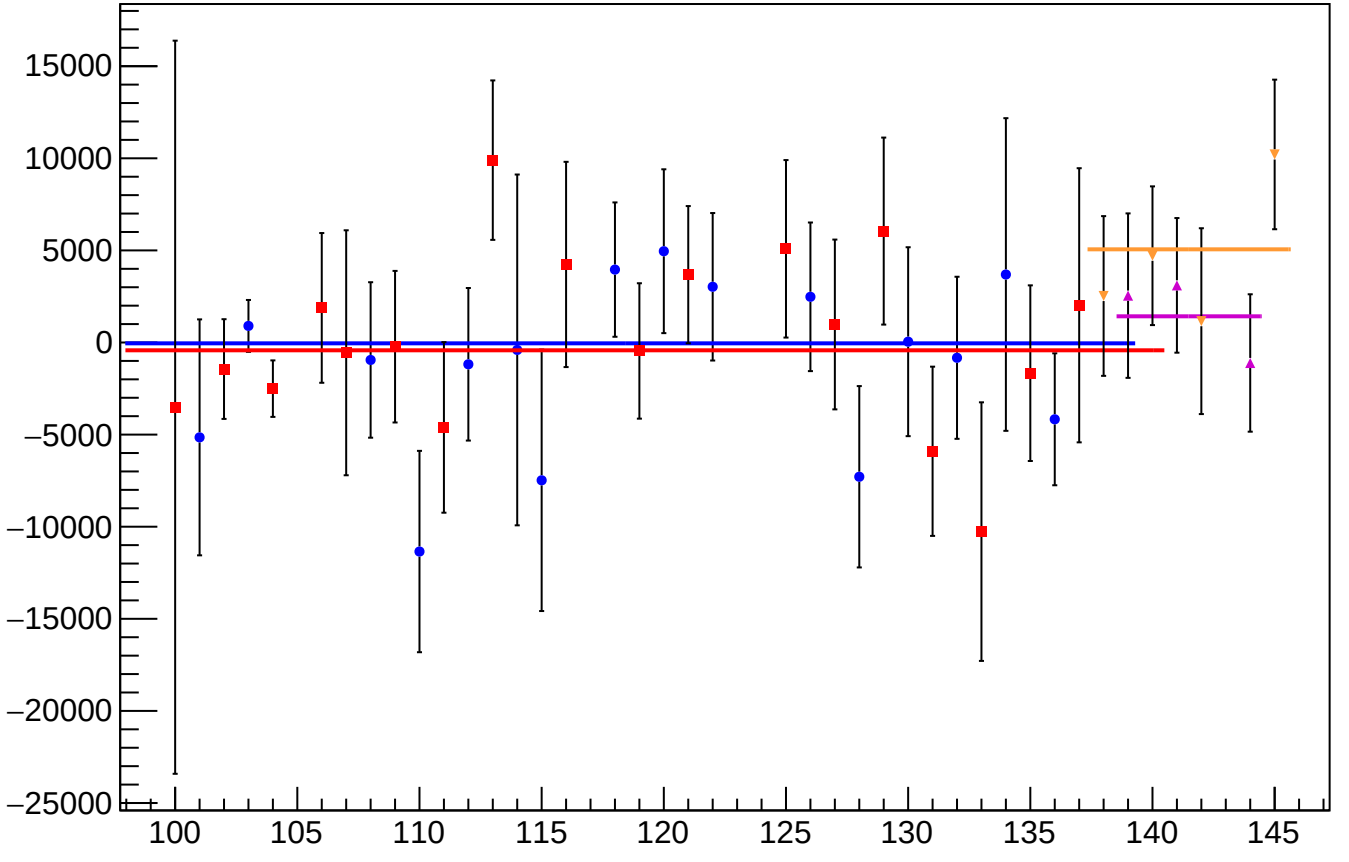
Left In: 3691.513+/-1.619 χ^2/NDF:18707.4/2

+ sign 2354.478+/-0.572 χ^2/NDF: 2765142.4/19

All: 1643.742+/-0.321 χ^2/NDF: 13145389.9/4

- sign 1315.692+/-0.388 χ^2/NDF: 8121727.9/20

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

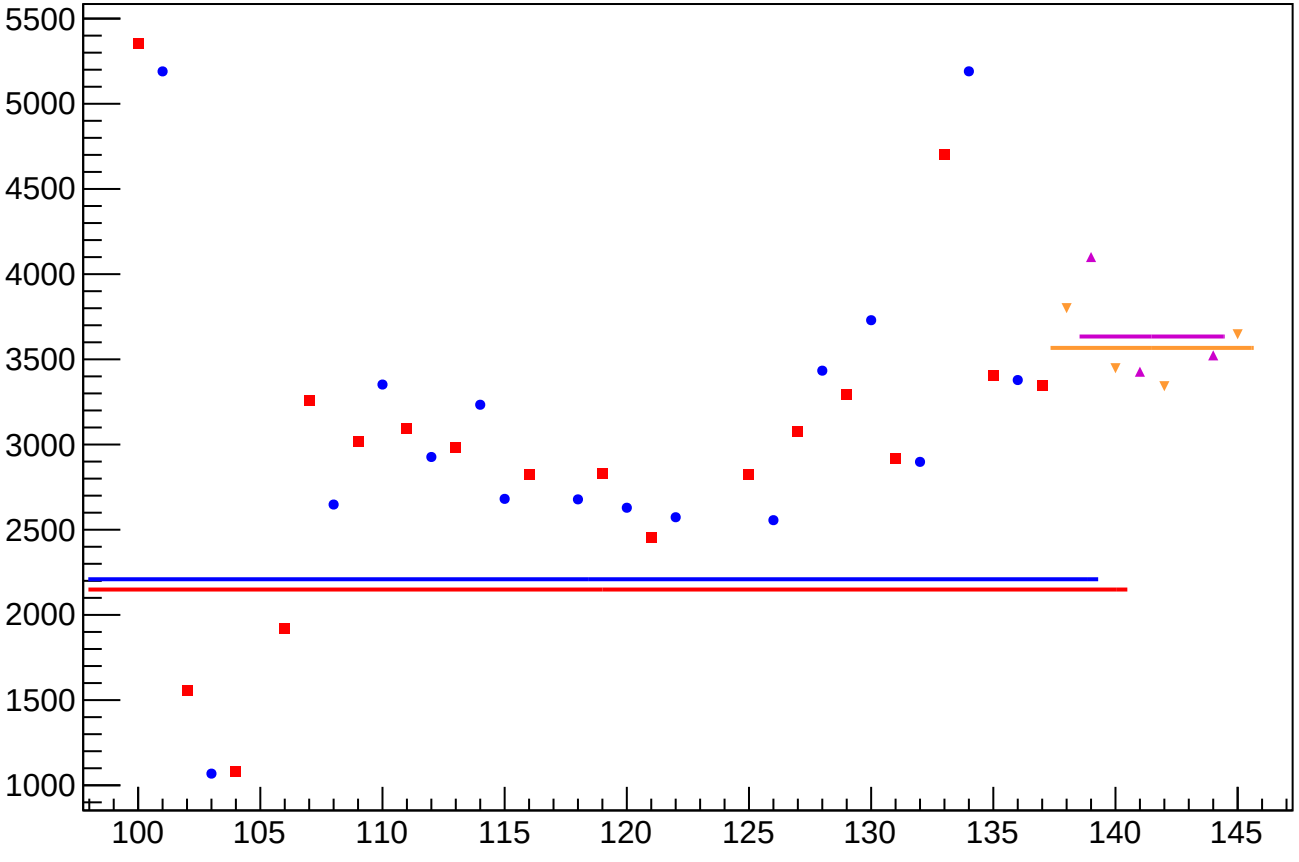
Left In: 1422.105+/-2253.412 χ^2/NDF:0.7/2

+ sign 768.563+/-844.169 χ^2/NDF: 21.2/19

All: 292.547+/-592.997 χ^2/NDF: 40.5/40

- sign -171.165+/-833.187 χ^2/NDF: 18.7/20

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3567.178+/-1.495 χ^2/NDF:12545.6/3

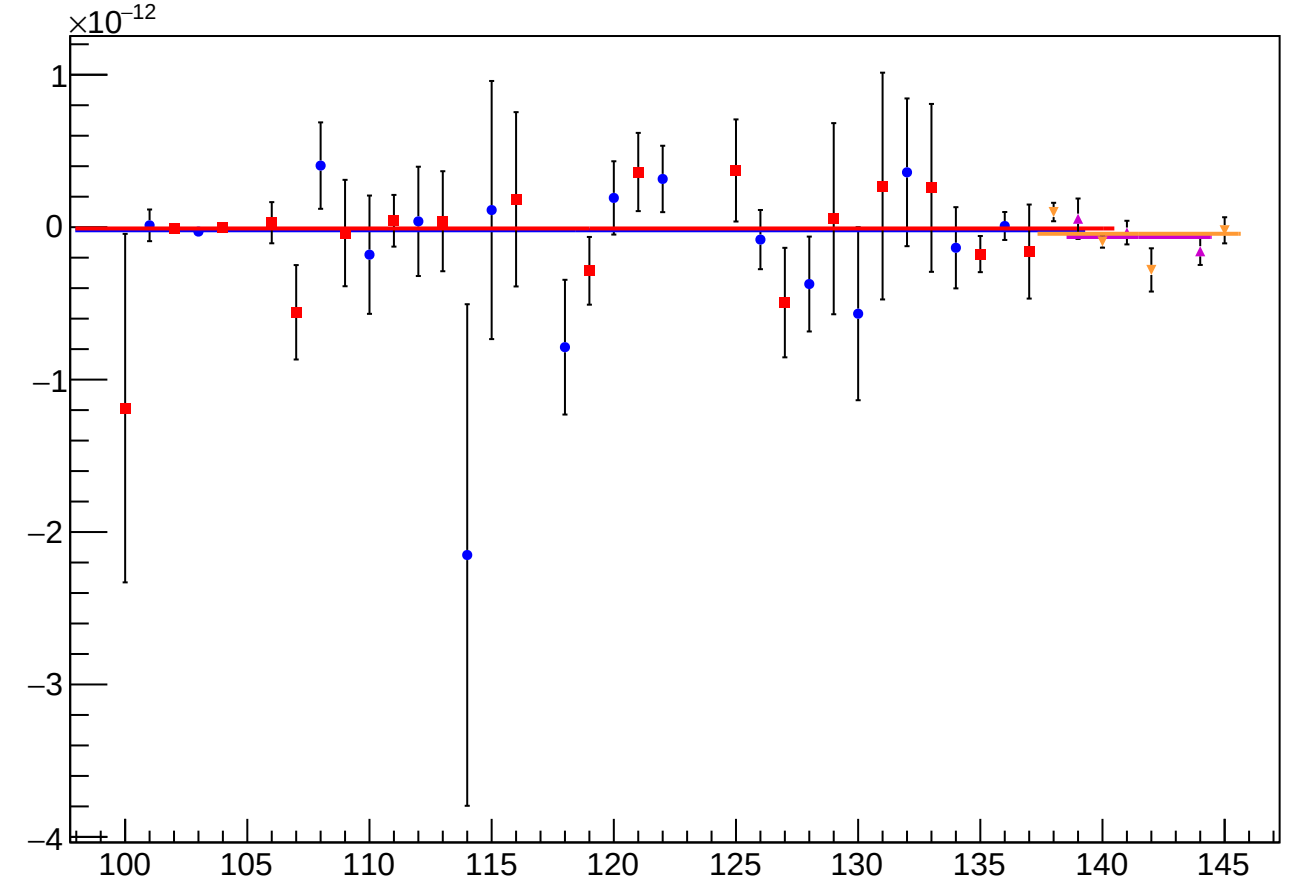
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3634.009+/-1.593 χ^2/NDF:29990.0/2

\+ sign 2425.790+/-0.597 χ^2/NDF: 3542760.3/19

All: 2387.896+/-0.419 χ^2/NDF: 6600723.7/40

\- sign 2351.134+/-0.588 χ^2/NDF: 3050023.9/20



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/3

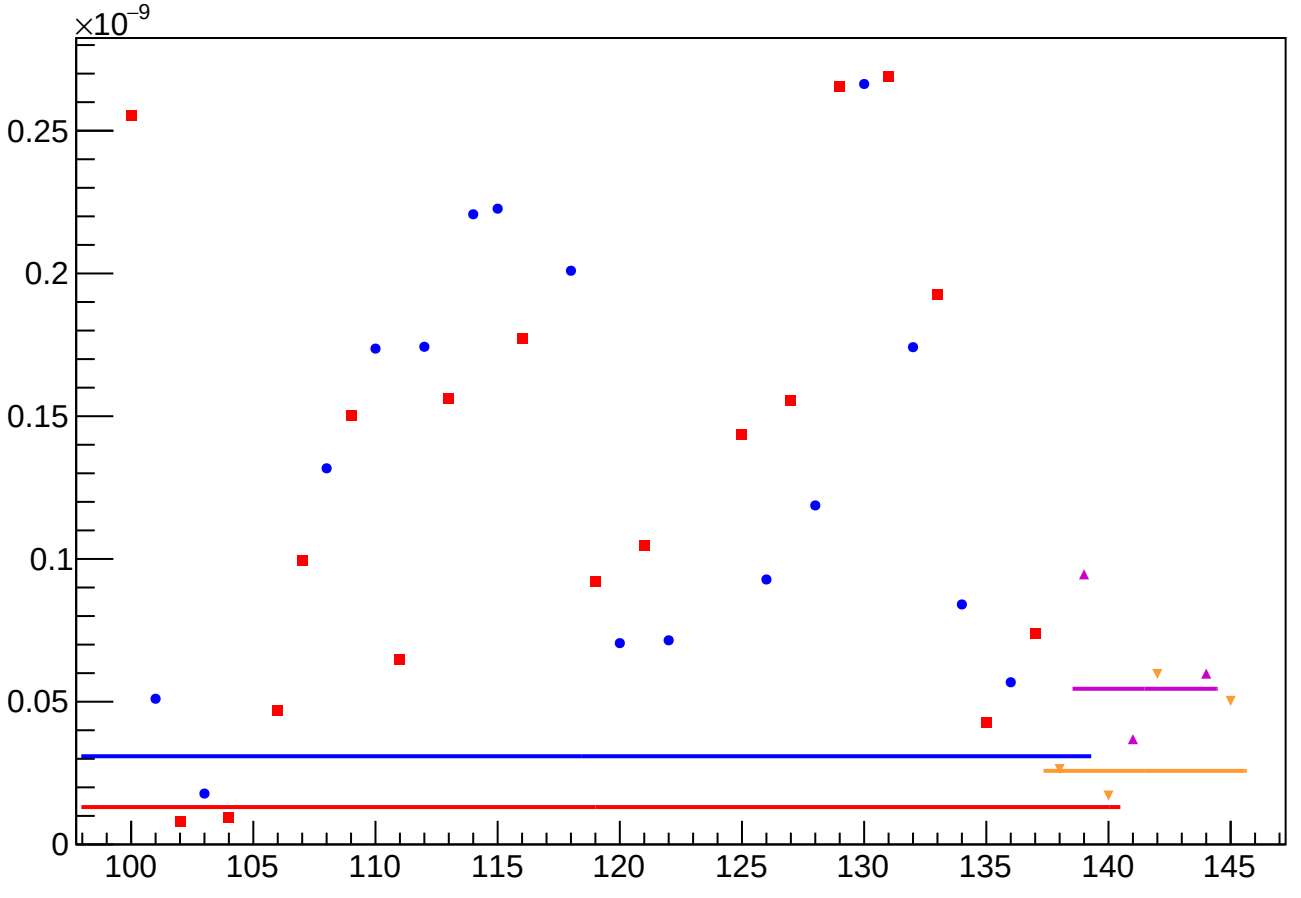
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:2.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/19

All: -0.000+/-0.000 χ^2/NDF: 41.5/40

- sign -0.000+/-0.000 χ^2/NDF: 17.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:367830.1/3

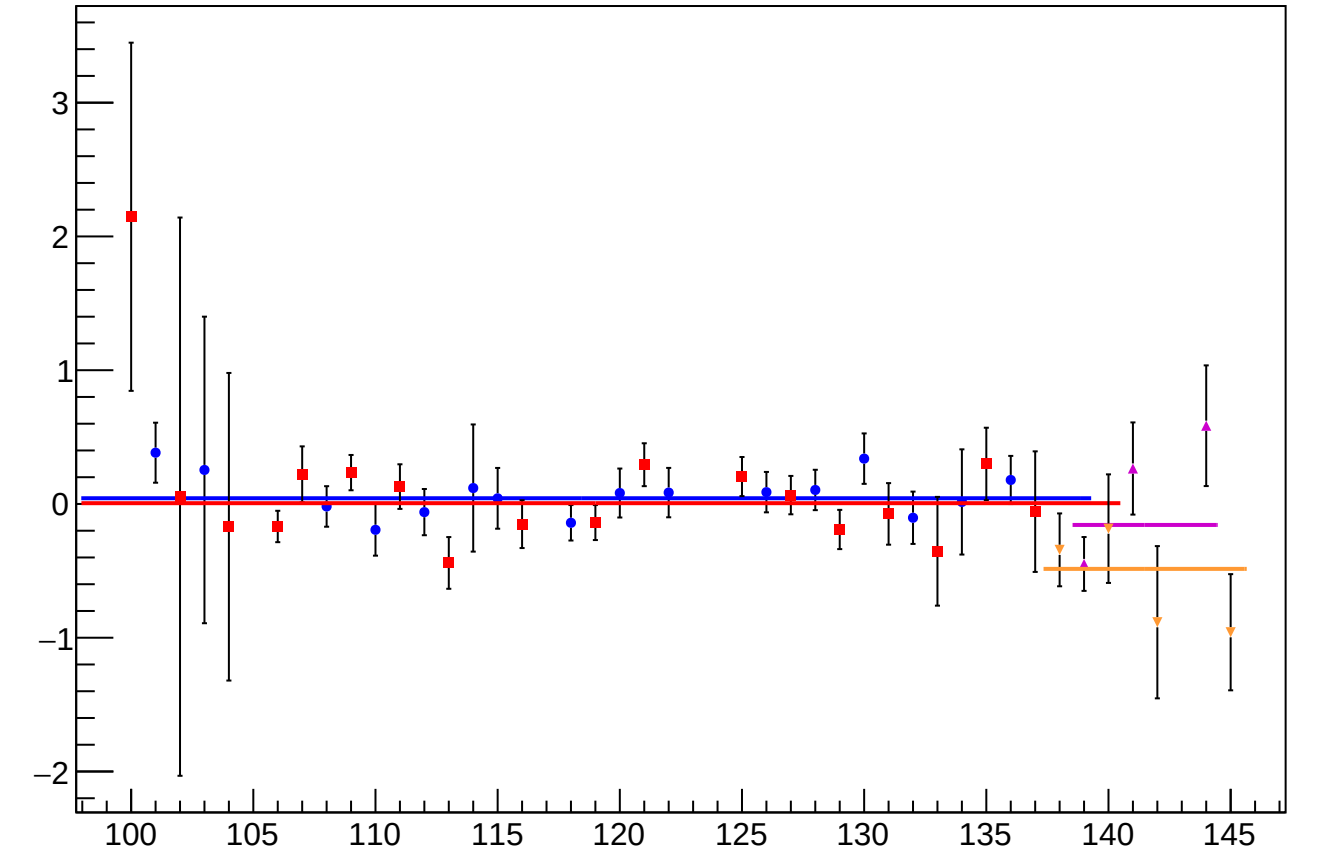
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:293576.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 3399313.6/19

All: 0.000+/-0.000 χ^2/NDF: 9010037.7/40

- sign 0.000+/-0.000 χ^2/NDF: 5060033.0/20



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.485+/-0.189 χ^2/NDF:2.5/3

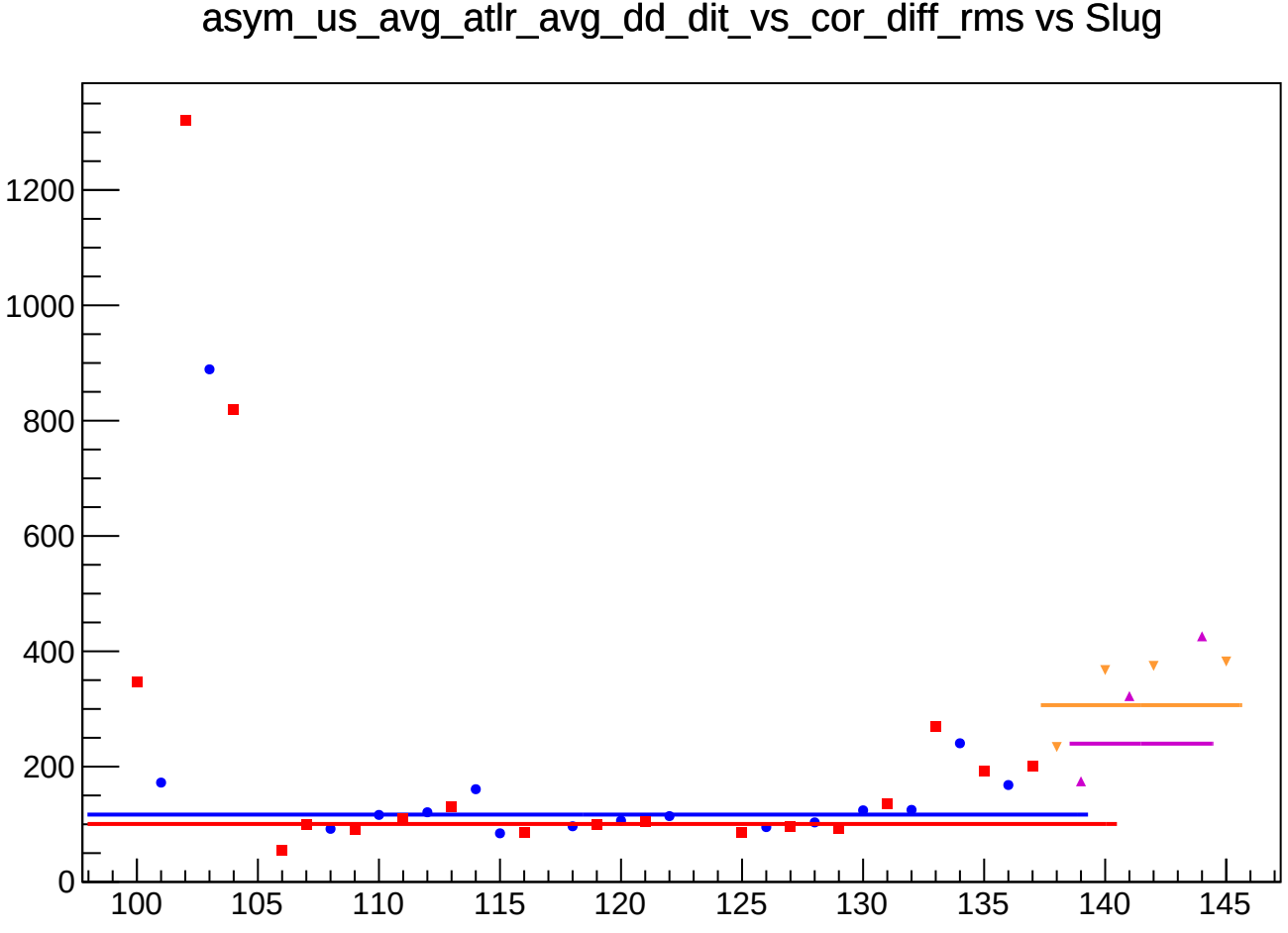
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.157+/-0.162 χ^2/NDF:6.3/2

+ sign 0.011+/-0.046 χ^2/NDF: 20.1/19

All: 0.002+/-0.031 χ^2/NDF: 53.4/40

- sign -0.005+/-0.042 χ^2/NDF: 33.3/20



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 306.646+/-0.134 χ^2/NDF:276455.8/3

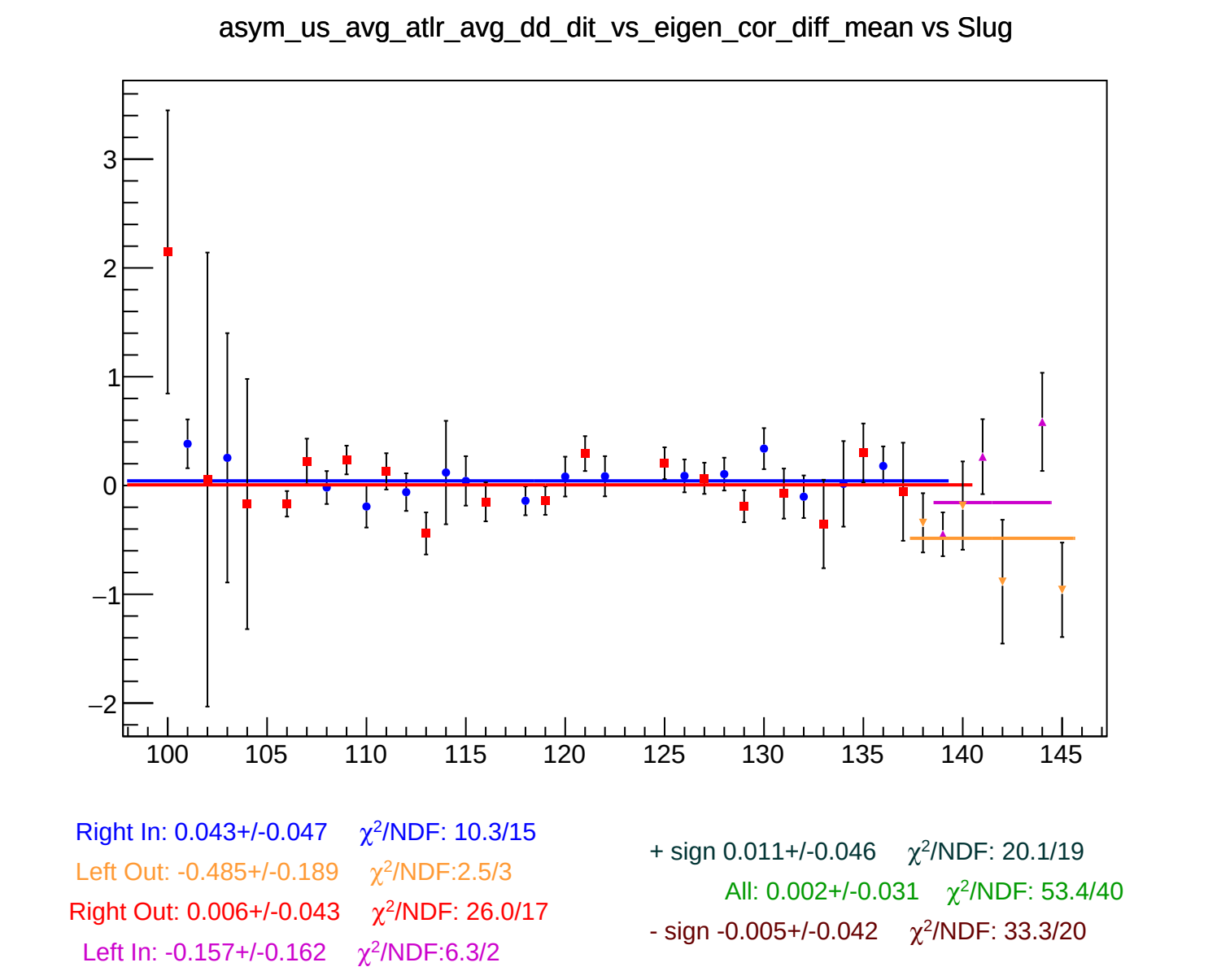
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.825+/-0.115 χ^2/NDF:665765.1/2

+ sign 128.083+/-0.033 χ^2/NDF: 3791412.6/19

All: 118.109+/-0.022 χ^2/NDF: 8669614.7/40

- sign 109.844+/-0.030 χ^2/NDF: 4706540.0/20


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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100
105
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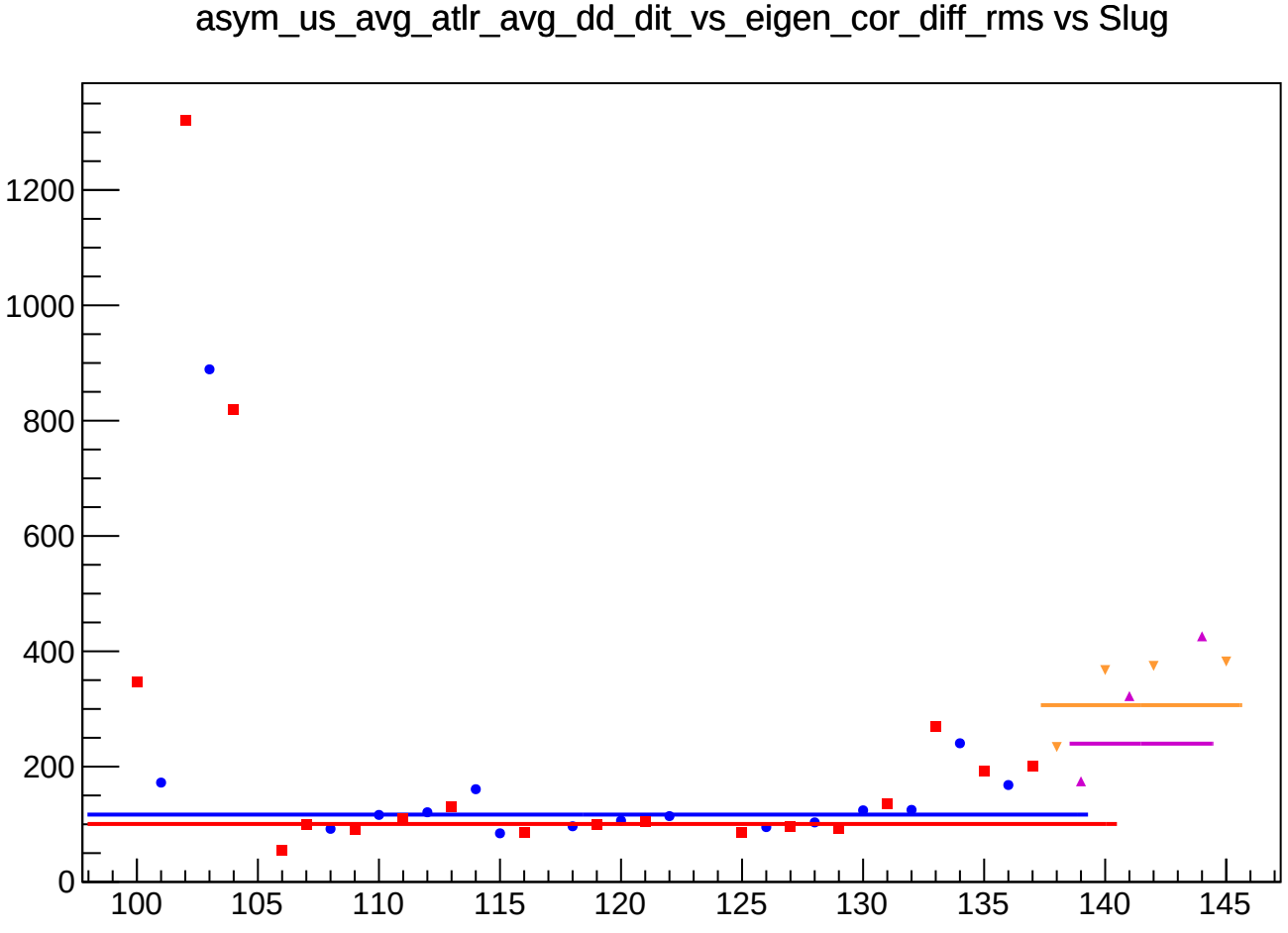
115
120
125
130
135
140
145
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.485+/-0.189 χ²/NDF:2.5/3
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.157+/-0.162 χ²/NDF:6.3/2
+ sign 0.011+/-0.046 χ²/NDF: 20.1/19
All: 0.002+/-0.031 χ²/NDF: 53.4/40
- sign -0.005+/-0.042 χ²/NDF: 33.3/20



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 306.646+/-0.134 χ^2/NDF:276455.8/3

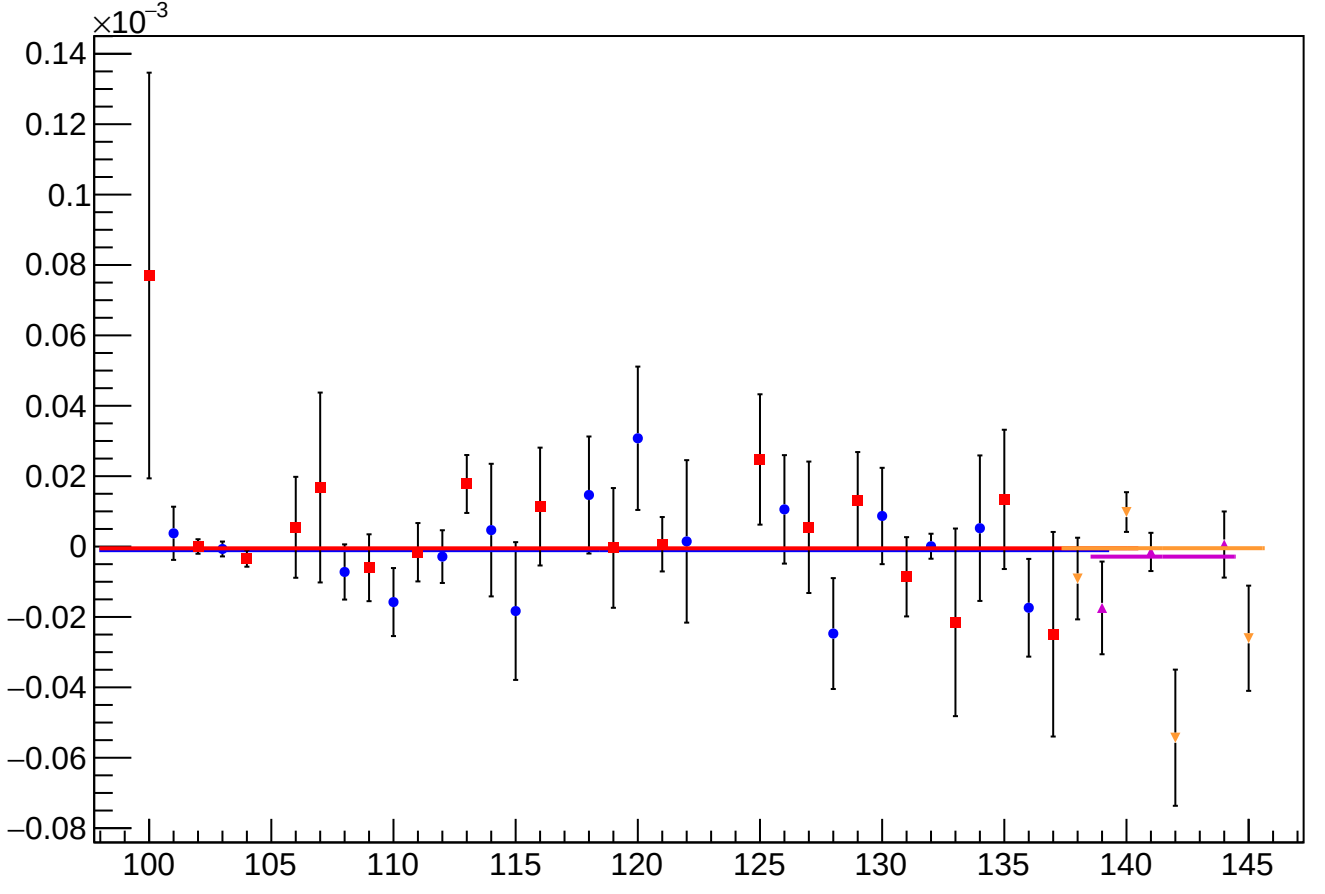
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.825+/-0.115 χ^2/NDF:665765.1/2

+ sign 128.083+/-0.033 χ^2/NDF: 3791412.6/19

All: 118.109+/-0.022 χ^2/NDF: 8669614.7/40

- sign 109.844+/-0.030 χ^2/NDF: 4706540.0/20



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/3

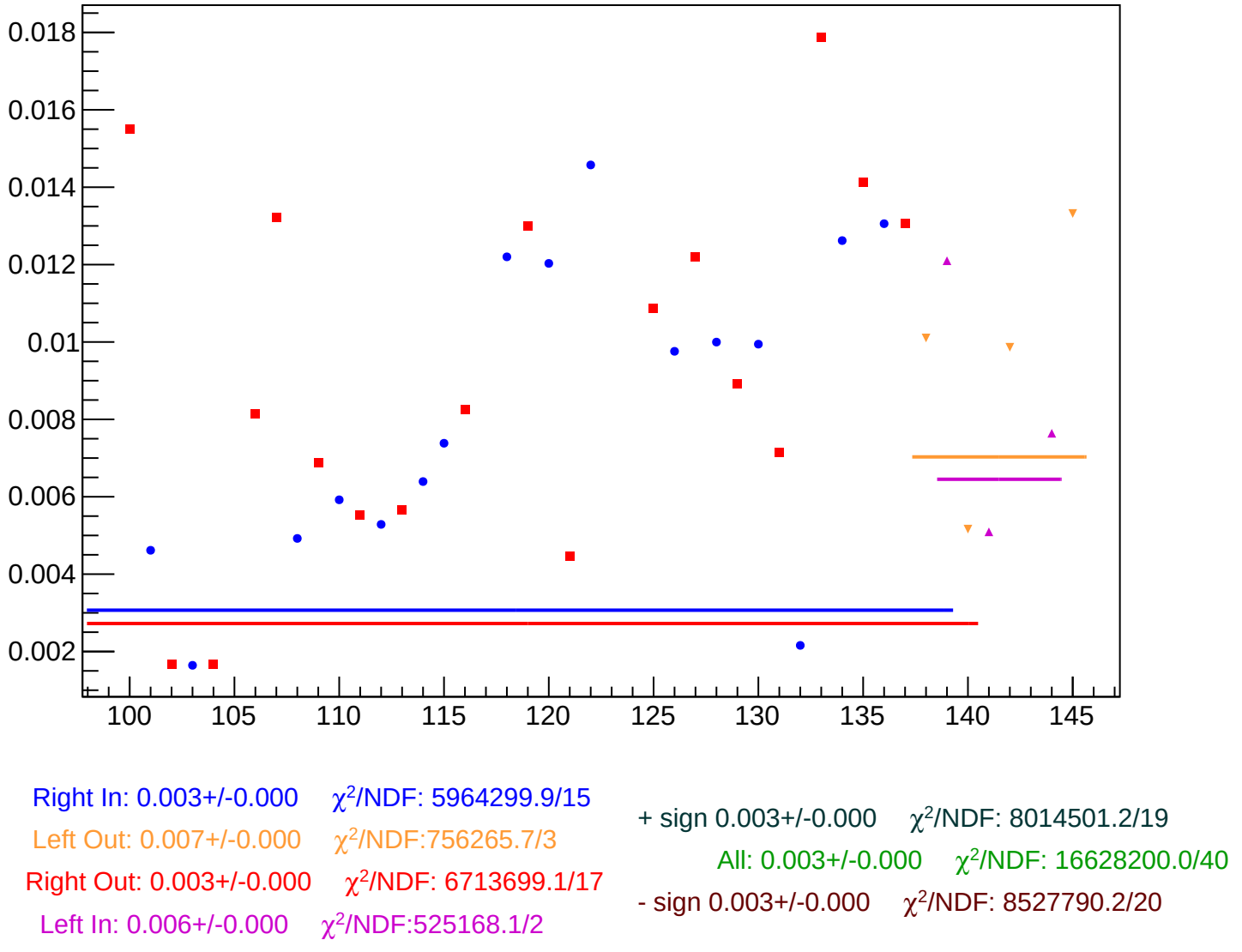
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/19

All: -0.000+/-0.000 χ^2/NDF: 43.9/40

- sign -0.000+/-0.000 χ^2/NDF: 16.7/20


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.018
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0.01
0.008
0.006
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0.002
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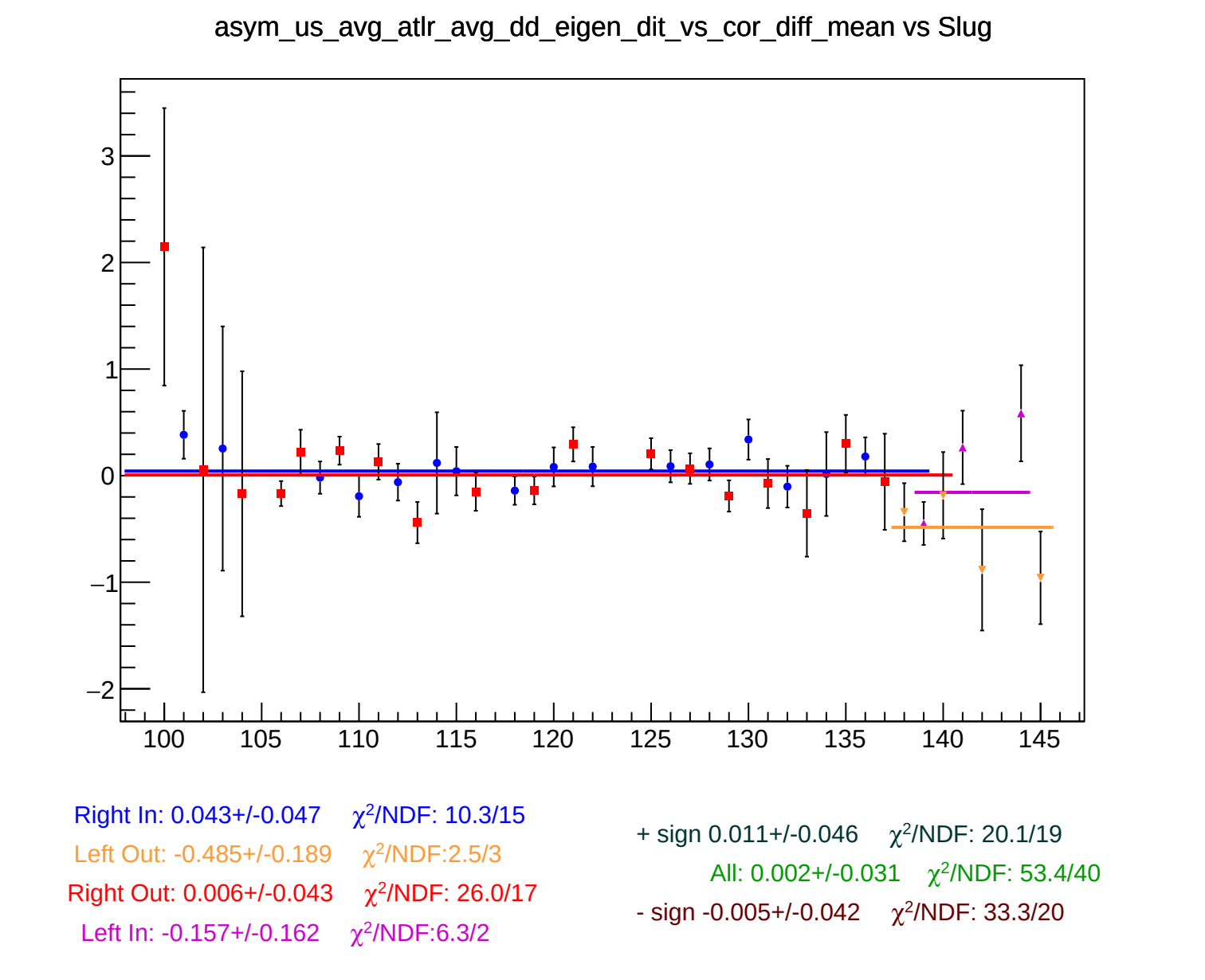
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.007+/-0.000 χ²/NDF:756265.7/3
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.006+/-0.000 χ²/NDF:525168.1/2
+ sign 0.003+/-0.000 χ²/NDF: 8014501.2/19
All: 0.003+/-0.000 χ²/NDF: 16628200.0/40
- sign 0.003+/-0.000 χ²/NDF: 8527790.2/20


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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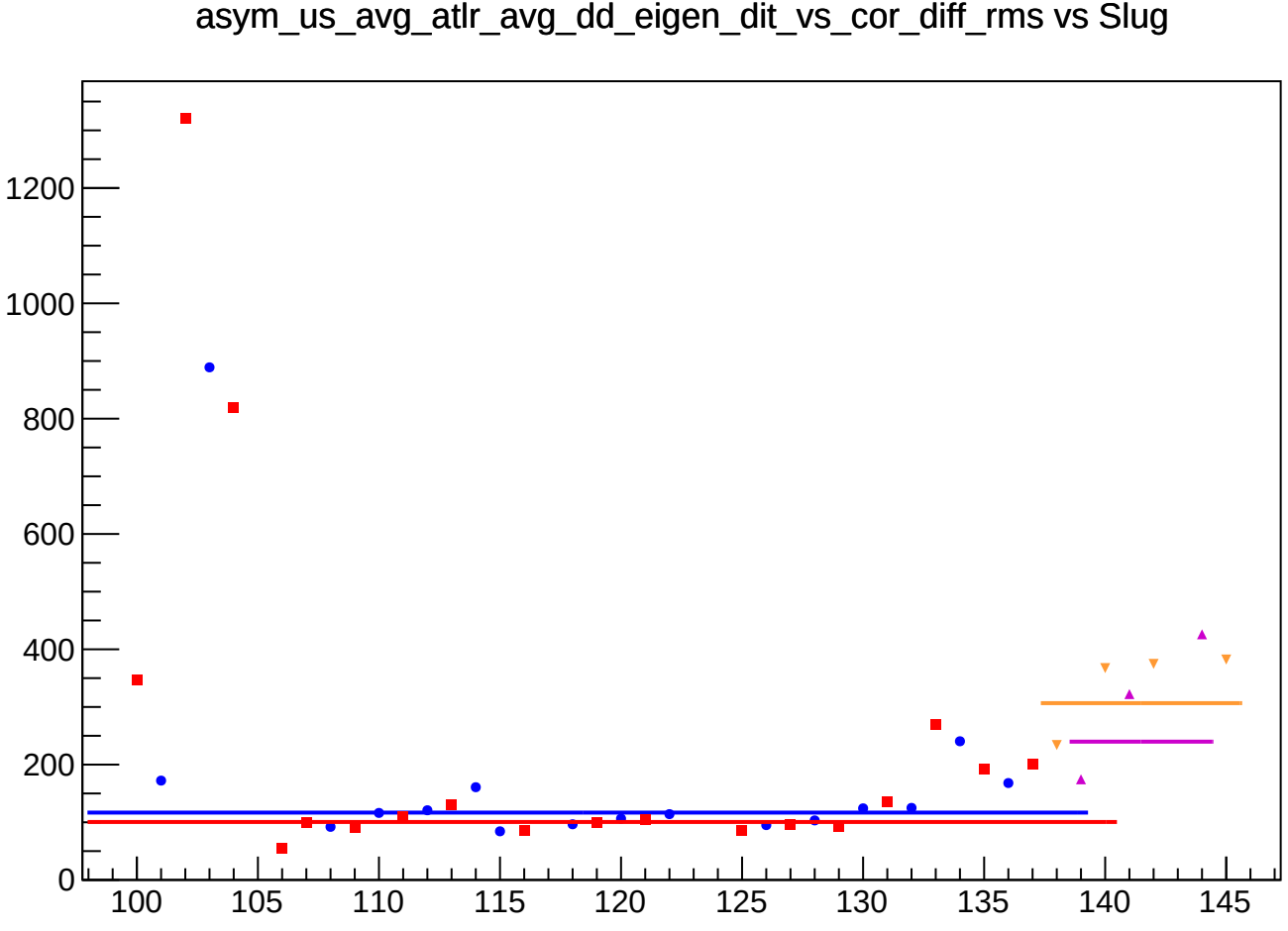
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.485+/-0.189 χ²/NDF:2.5/3
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.157+/-0.162 χ²/NDF:6.3/2
+ sign 0.011+/-0.046 χ²/NDF: 20.1/19
All: 0.002+/-0.031 χ²/NDF: 53.4/40
- sign -0.005+/-0.042 χ²/NDF: 33.3/20



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 306.649+/-0.134 χ^2/NDF:276455.1/3

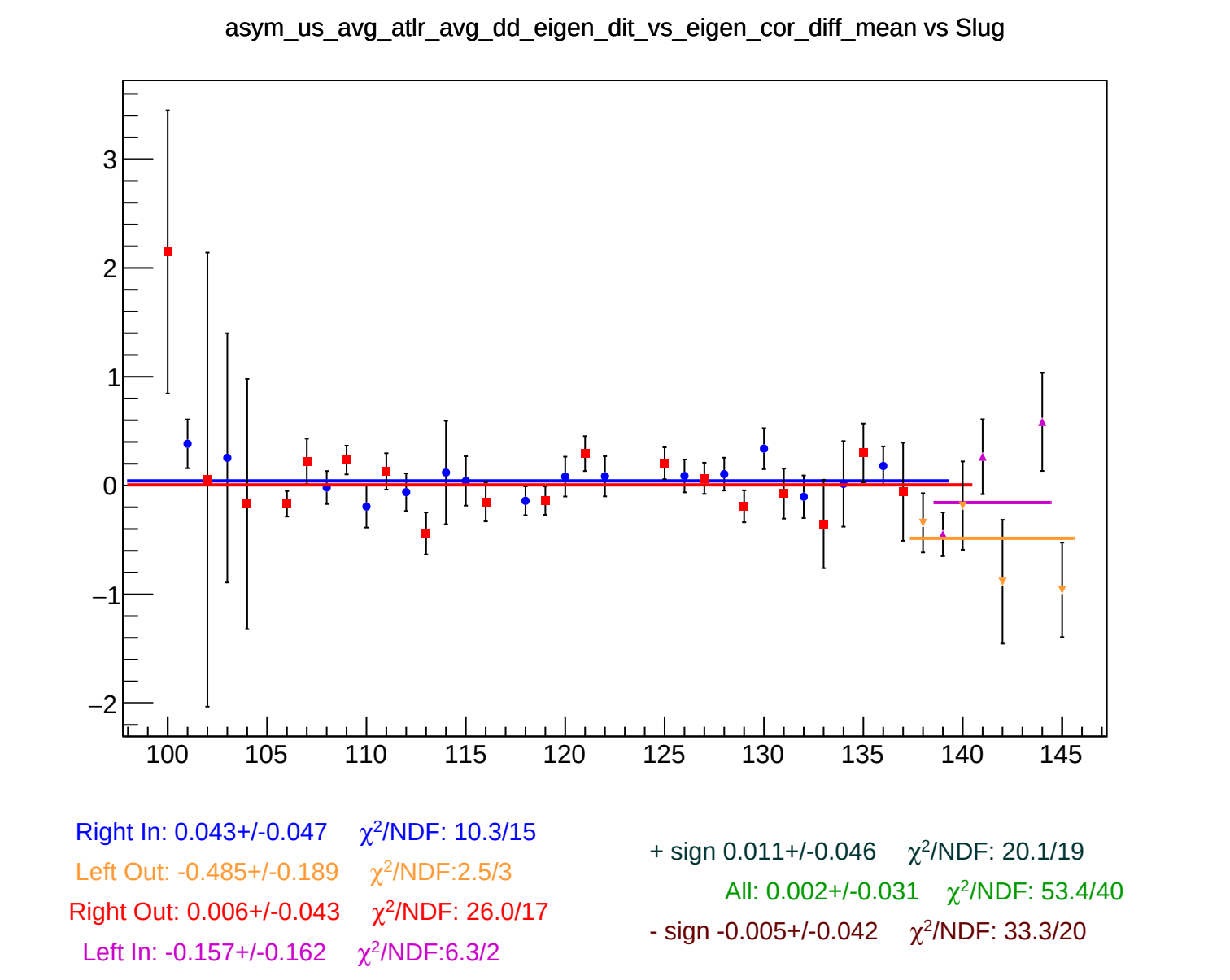
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.829+/-0.115 χ^2/NDF:665738.4/2

+ sign 128.083+/-0.033 χ^2/NDF: 3791446.7/19

All: 118.108+/-0.022 χ^2/NDF: 8669792.0/40

- sign 109.843+/-0.030 χ^2/NDF: 4706666.4/20


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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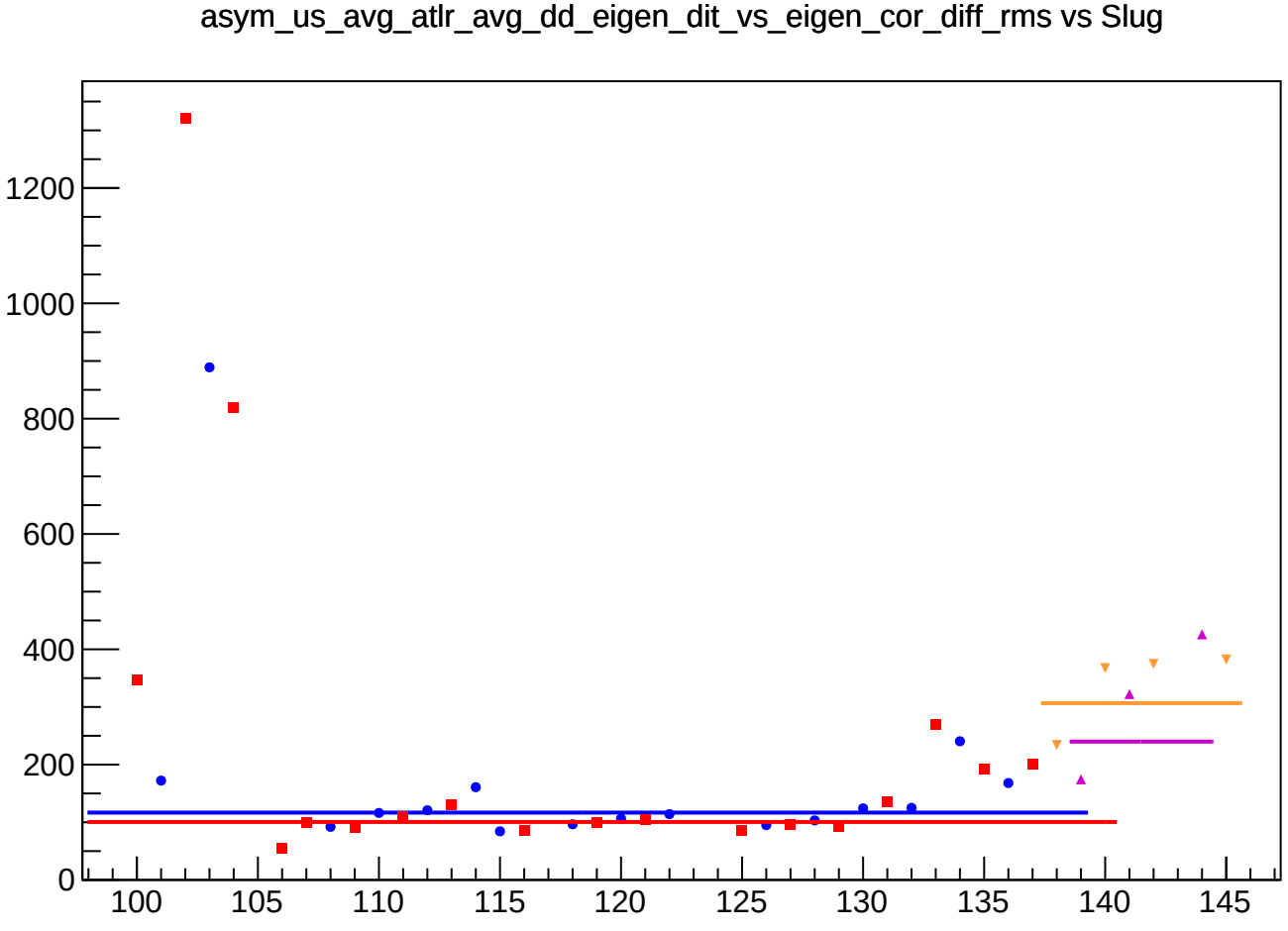
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.485+/-0.189 χ²/NDF:2.5/3
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.157+/-0.162 χ²/NDF:6.3/2
+ sign 0.011+/-0.046 χ²/NDF: 20.1/19
All: 0.002+/-0.031 χ²/NDF: 53.4/40
- sign -0.005+/-0.042 χ²/NDF: 33.3/20



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 306.649+/-0.134 χ^2/NDF:276455.1/3

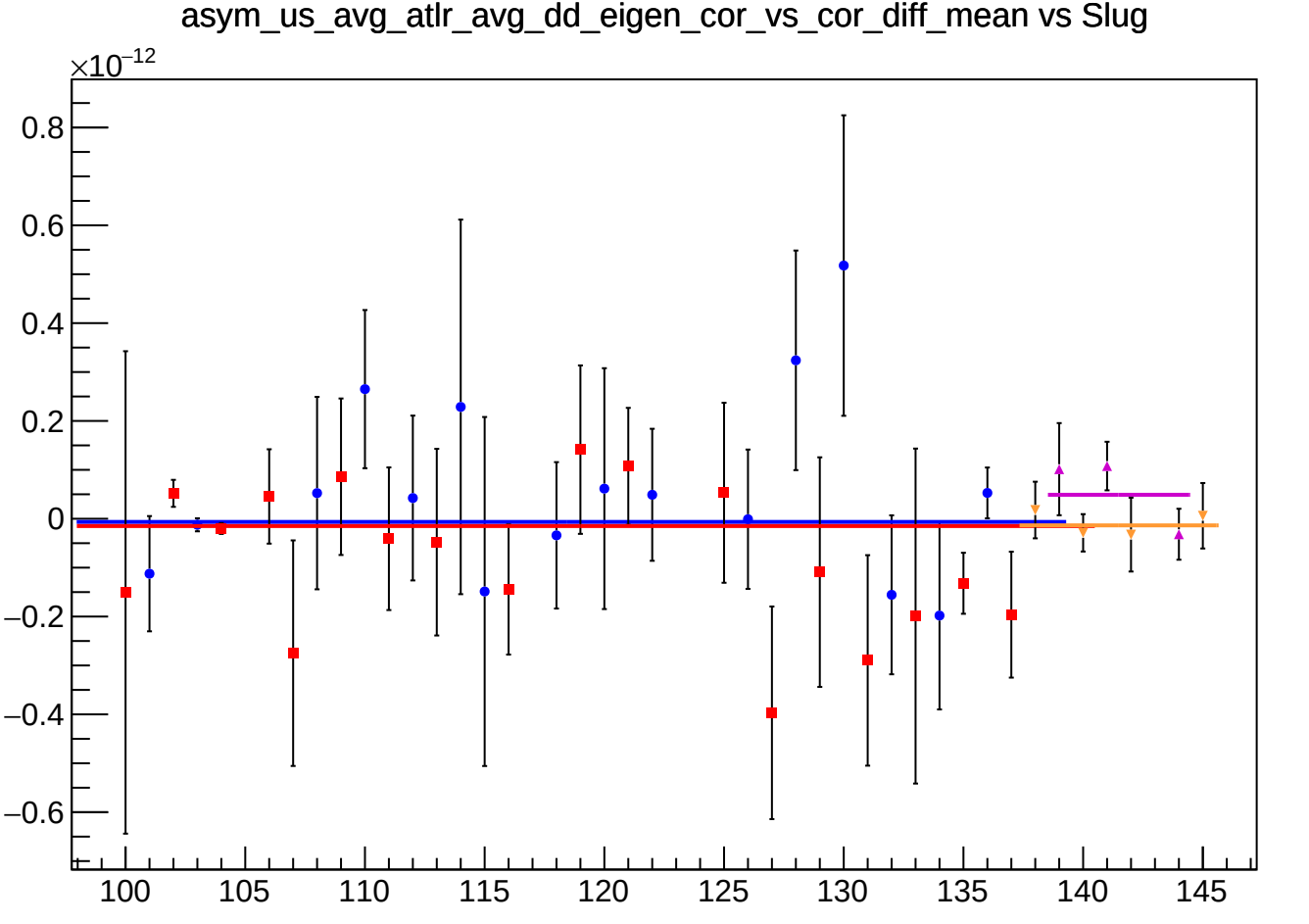
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.829+/-0.115 χ^2/NDF:665738.4/2

+ sign 128.083+/-0.033 χ^2/NDF: 3791446.7/19

All: 118.108+/-0.022 χ^2/NDF: 8669792.0/40

- sign 109.843+/-0.030 χ^2/NDF: 4706666.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/3

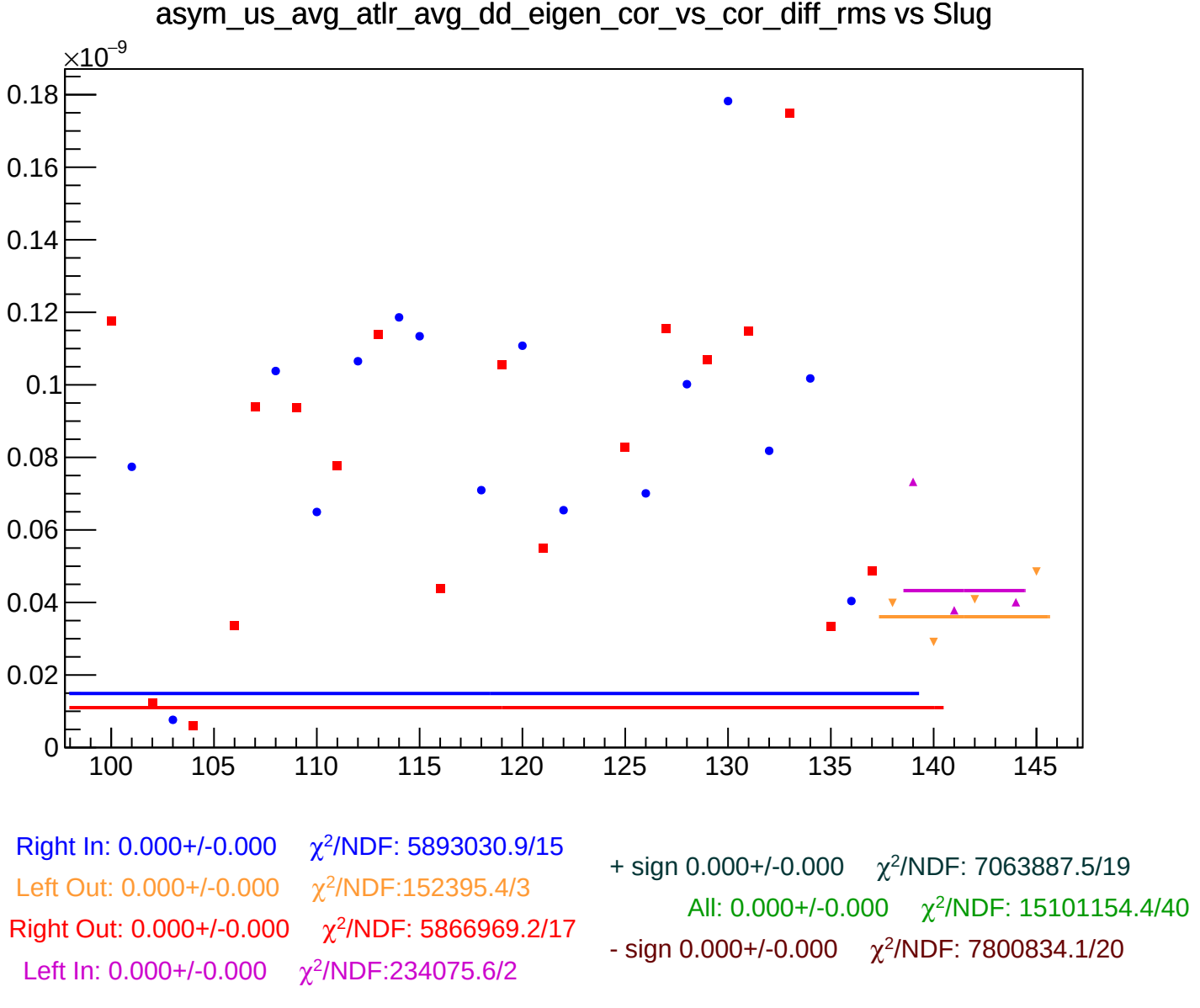
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:4.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 13.7/19

All: -0.000+/-0.000 χ^2/NDF: 43.0/40

- sign -0.000+/-0.000 χ^2/NDF: 29.3/20


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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0.16
0.14
0.12
0.1
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0.06
0.04
0.02
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100
105
110
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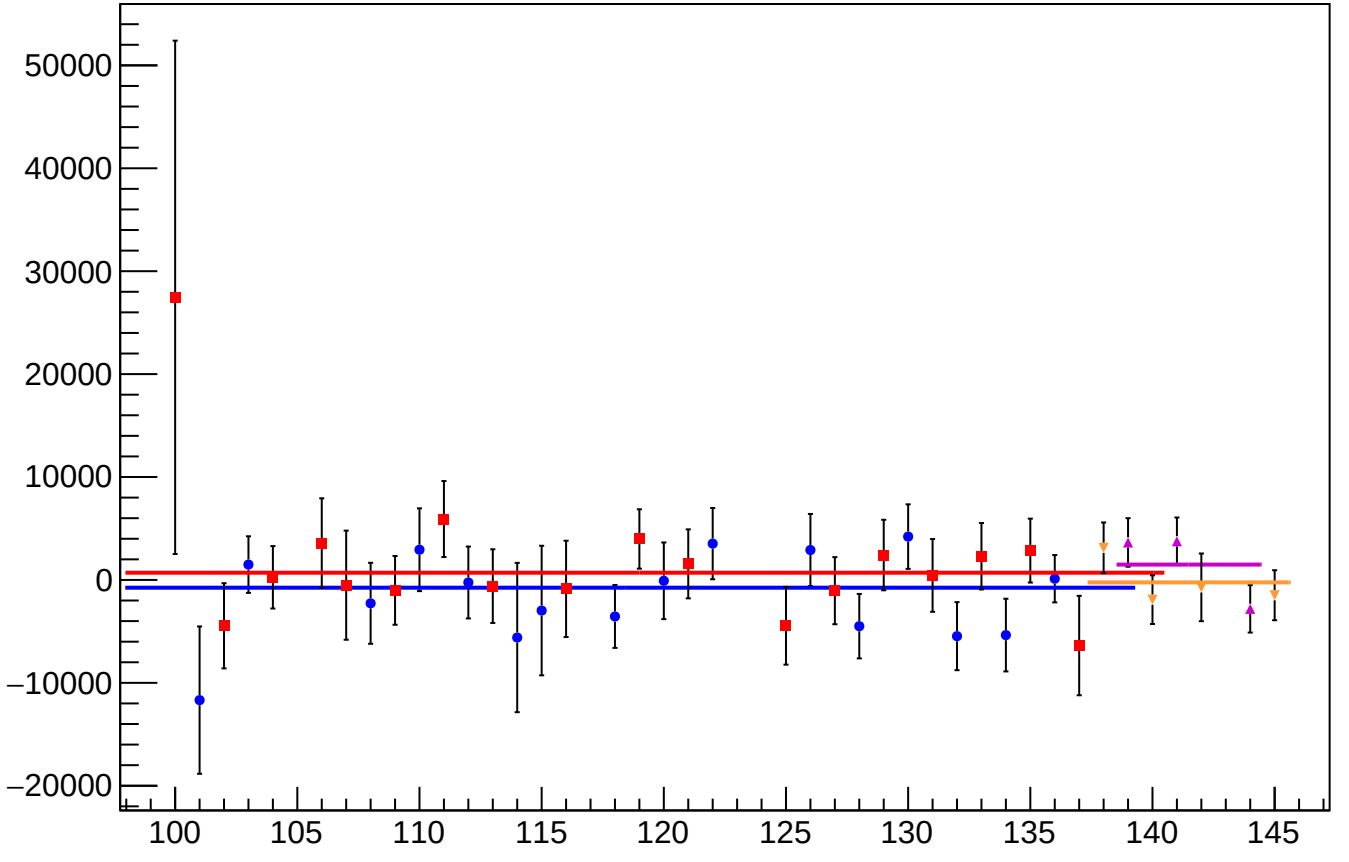
145
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:152395.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:234075.6/2
+ sign 0.000+/-0.000 χ²/NDF: 7063887.5/19
All: 0.000+/-0.000 χ²/NDF: 15101154.4/40
- sign 0.000+/-0.000 χ²/NDF: 7800834.1/20

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

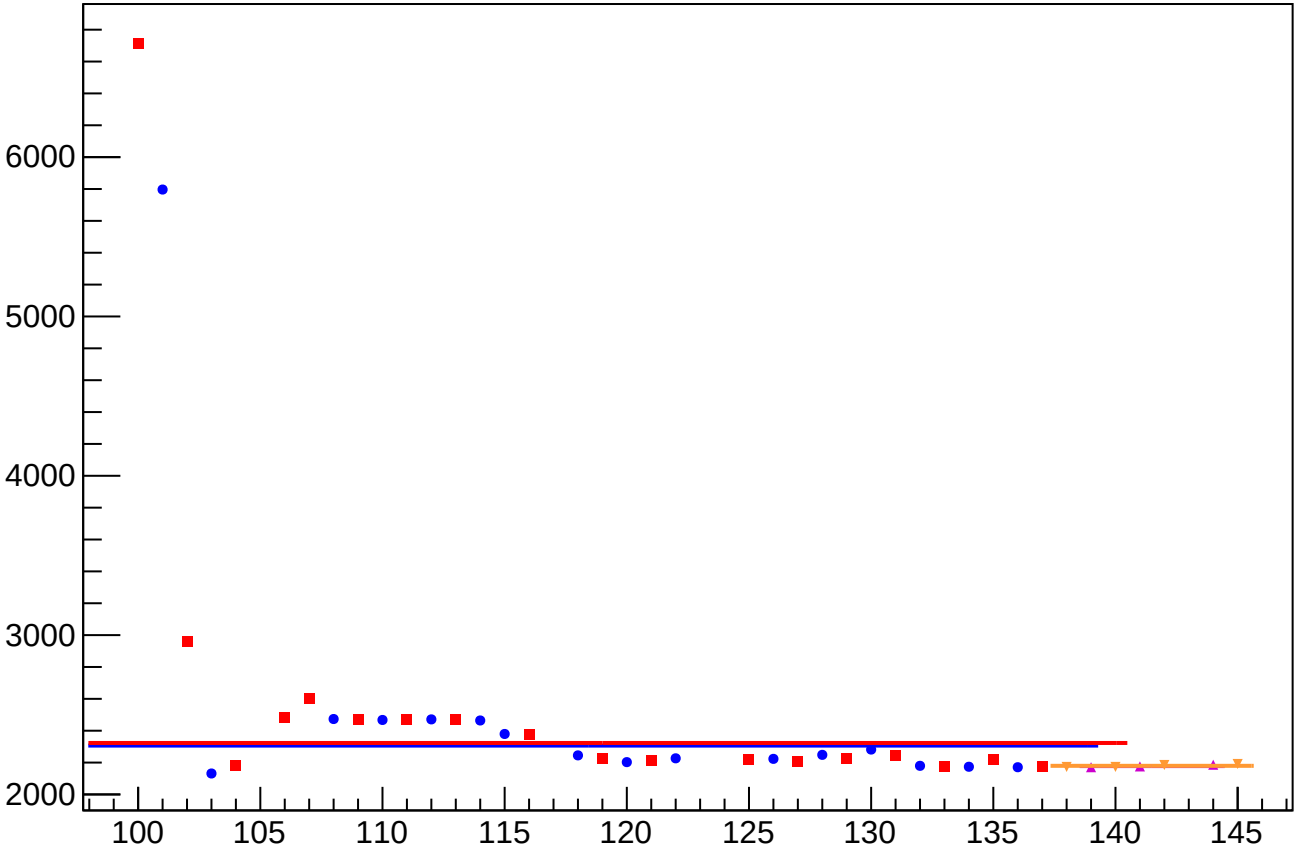
Left In: 1491.351+/-1342.403 χ^2/NDF:5.3/2

+ sign -591.480+/-721.901 χ^2/NDF: 18.6/19

All: 164.050+/-513.051 χ^2/NDF: 38.7/40

- sign 935.107+/-729.282 χ^2/NDF: 17.9/20

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

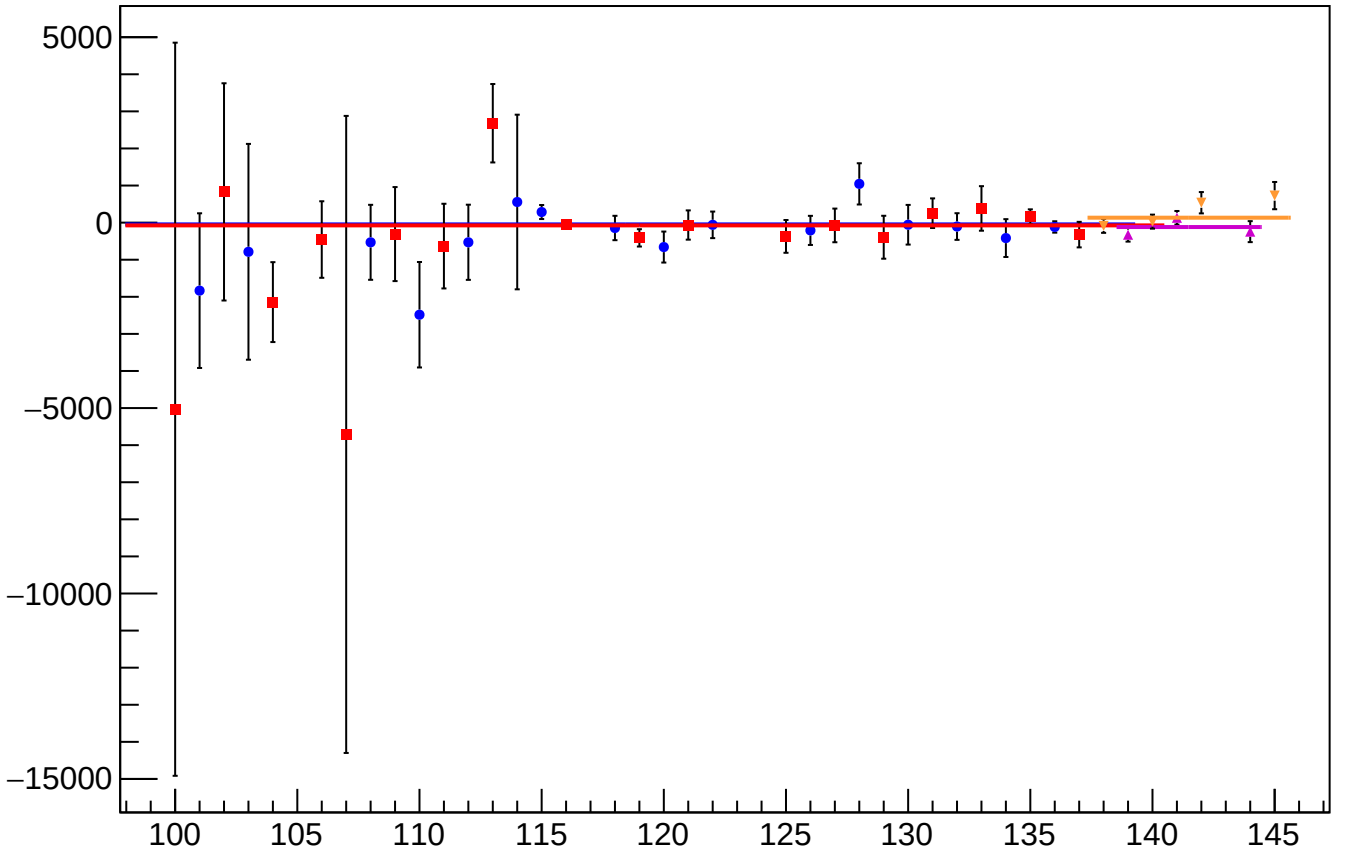
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.935+/-0.949 χ^2/NDF:47.0/2

+ sign 2266.549+/-0.510 χ^2/NDF: 527609.0/19

All: 2273.302+/-0.363 χ^2/NDF: 696261.4/40

- sign 2280.193+/-0.516 χ^2/NDF: 168298.8/20



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: 133.249+/-114.693 χ^2/NDF:6.3/3

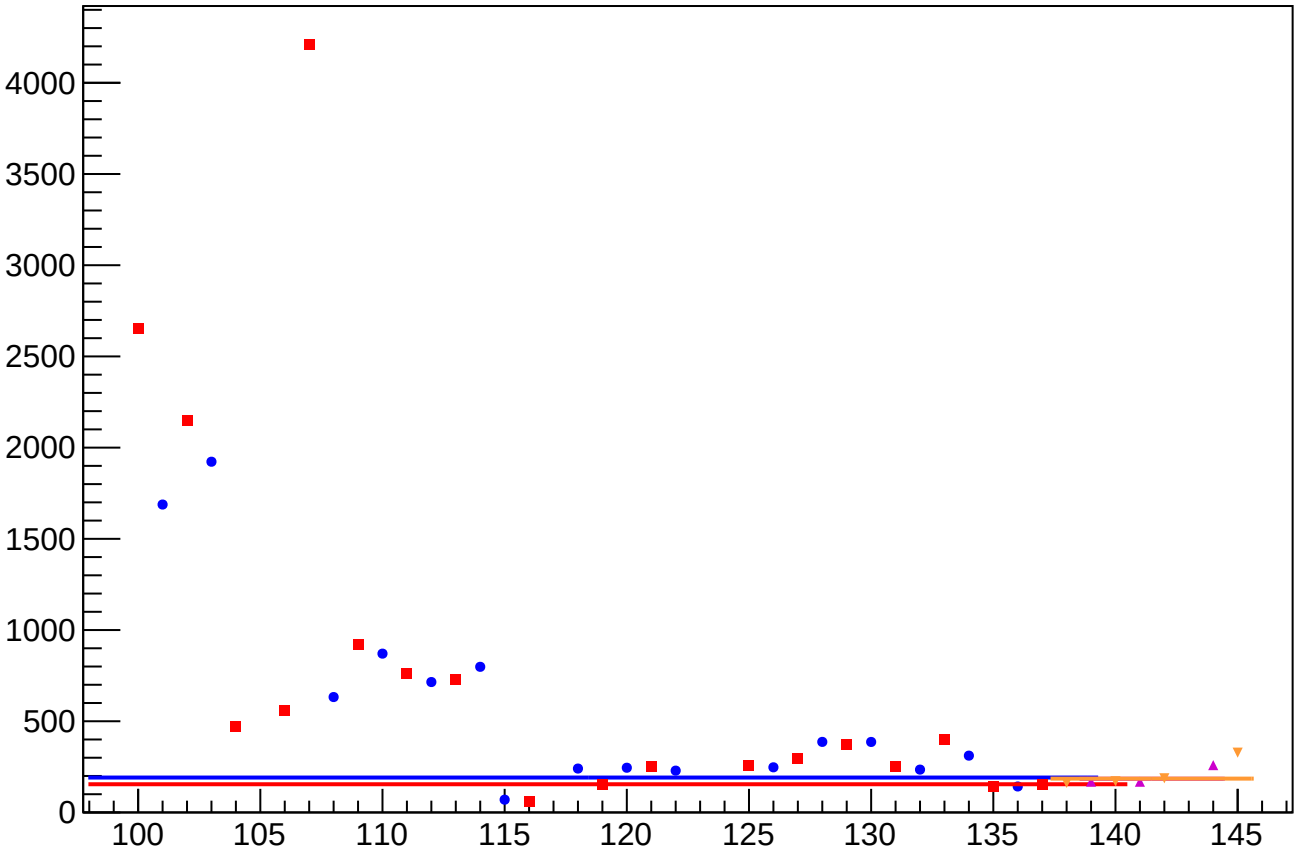
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -118.973+/-118.607 χ^2/NDF:3.3/2

+ sign 21.985+/-71.246 χ^2/NDF: 22.2/19

All: -36.248+/-49.063 χ^2/NDF: 44.5/40

- sign -88.771+/-67.663 χ^2/NDF: 21.0/20



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

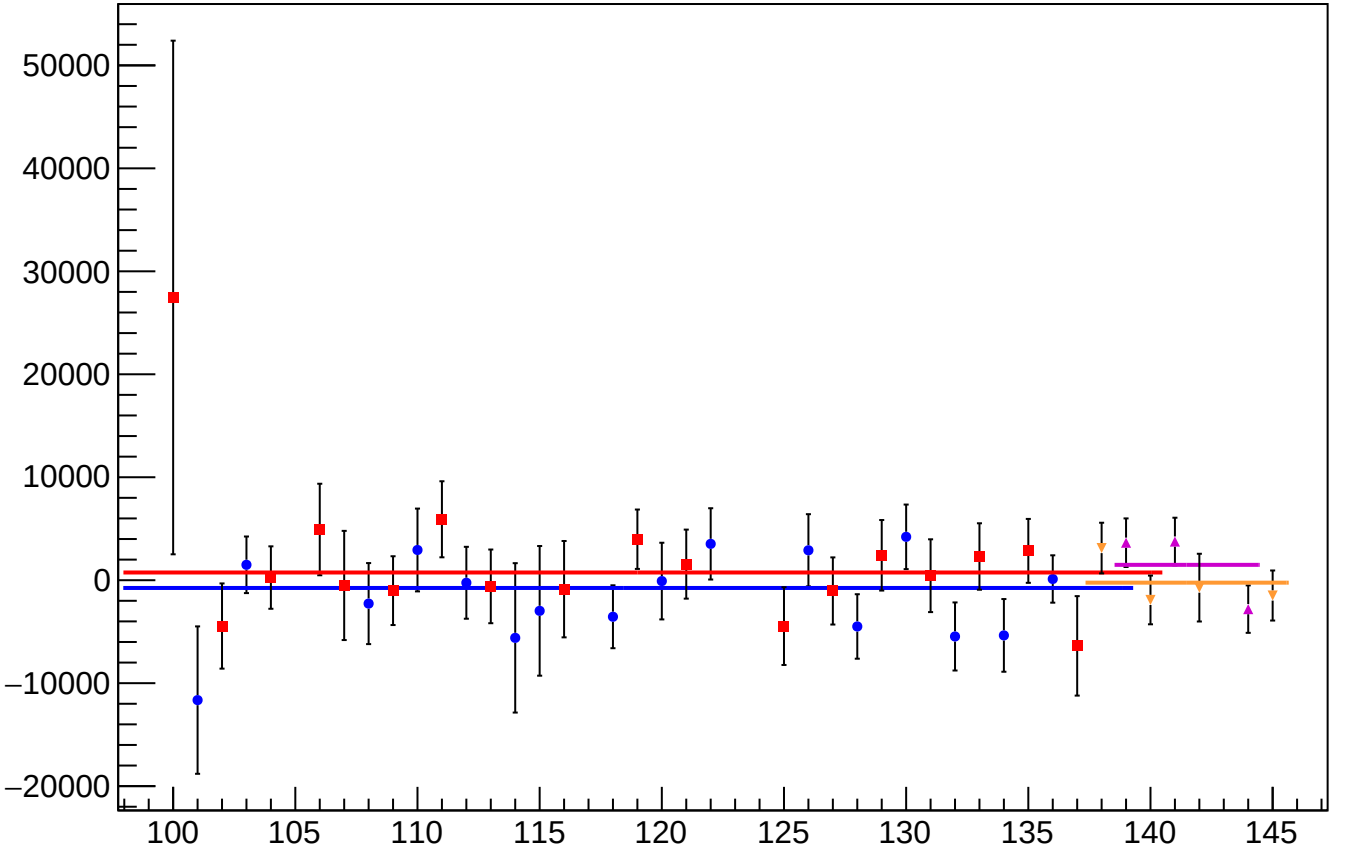
Left In: 184.650+/-0.084 χ^2/NDF:169810.9/2

+ sign 189.117+/-0.050 χ^2/NDF: 5411607.9/19

All: 176.138+/-0.035 χ^2/NDF: 11948104.3/40

- sign 164.431+/-0.048 χ^2/NDF: 6410255.7/20

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

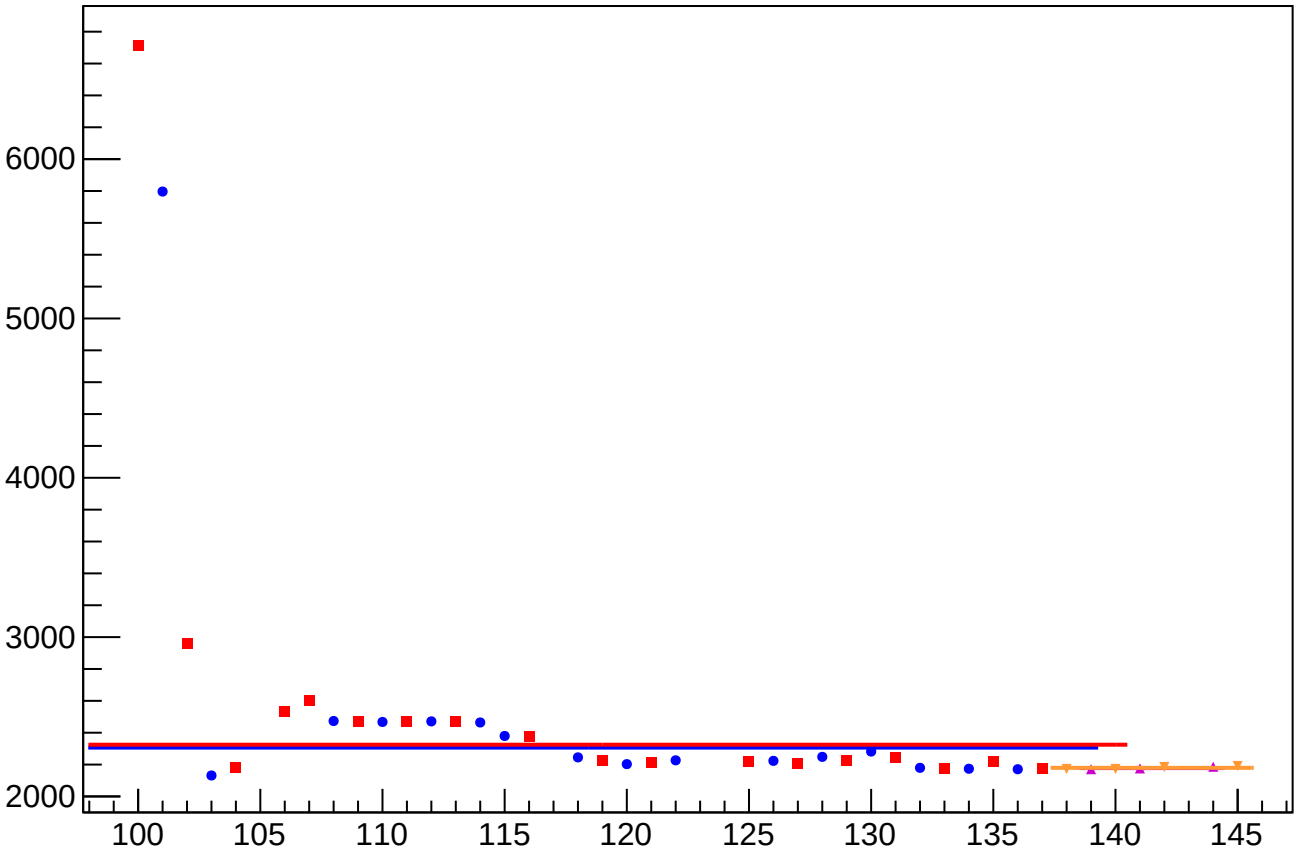
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 1491.492+/-1342.403 χ^2/NDF:5.3/2

+ sign -590.809+/-721.901 χ^2/NDF: 18.6/19

All: 180.518+/-513.199 χ^2/NDF: 39.2/40

- sign 968.616+/-729.707 χ^2/NDF: 18.3/20



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.625+/-0.909 χ^2/NDF:83.7/3

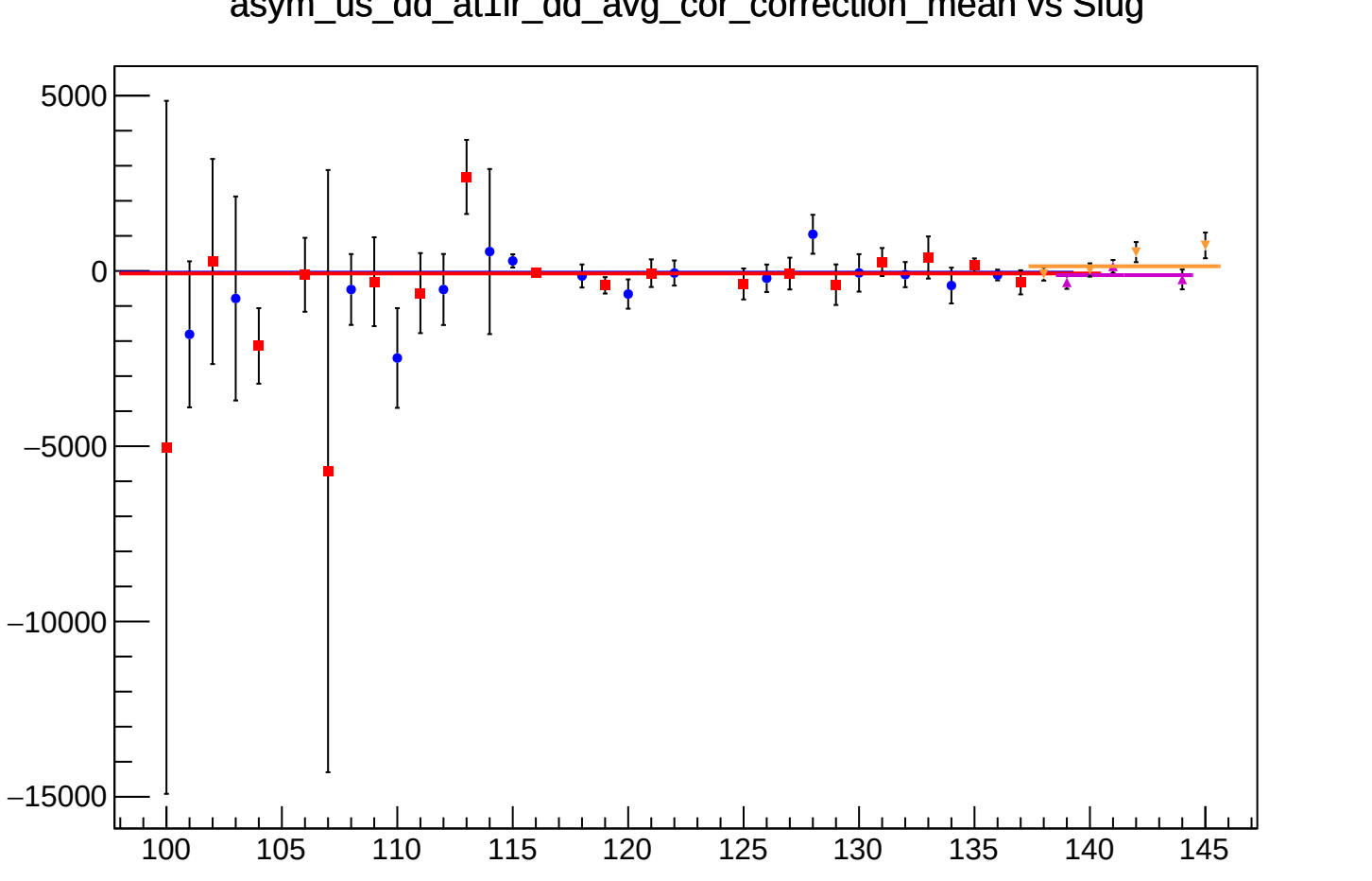
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.935+/-0.949 χ^2/NDF:47.0/2

+ sign 2266.549+/-0.510 χ^2/NDF: 527609.3/19

All: 2273.857+/-0.363 χ^2/NDF: 698487.8/40

- sign 2281.323+/-0.516 χ^2/NDF: 170464.2/20



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

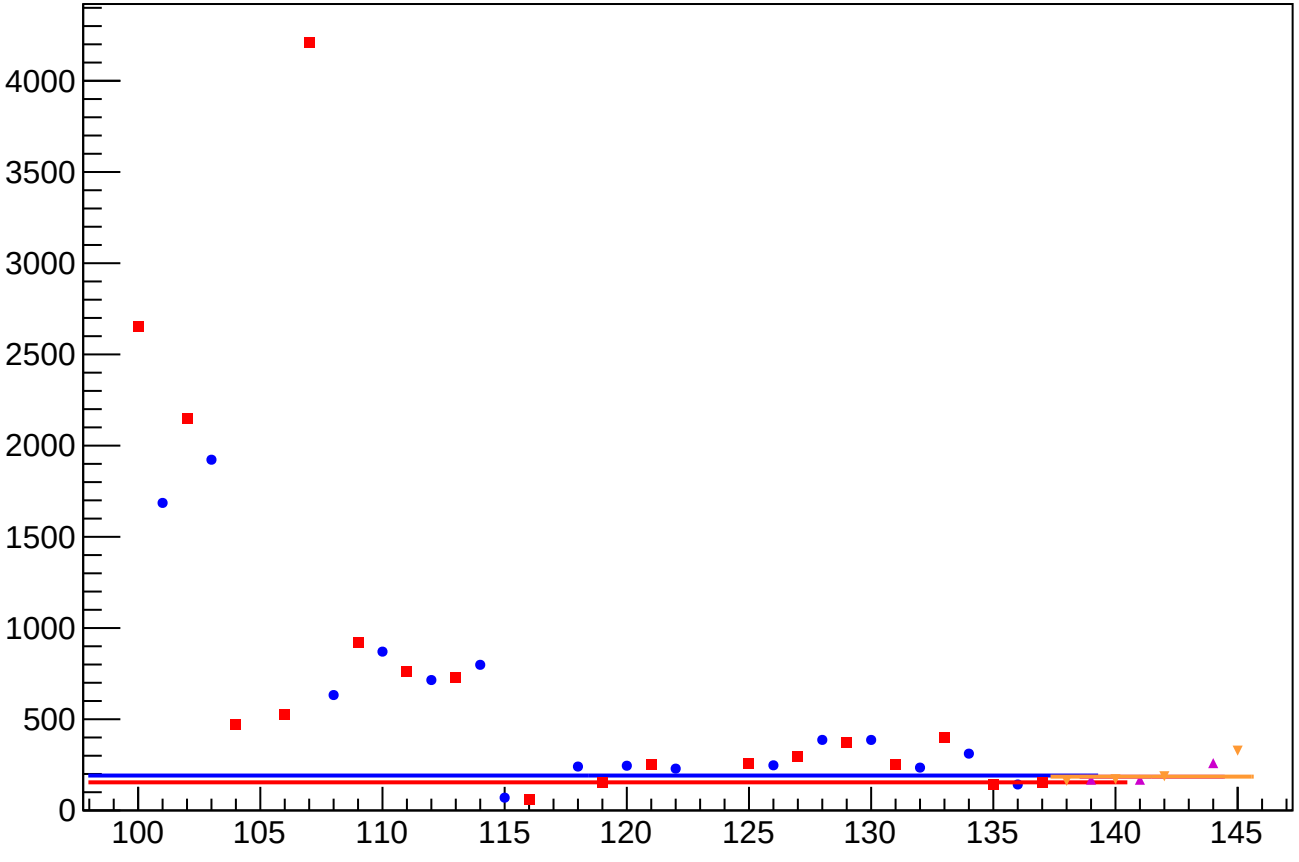
Left In: -119.220+/-118.610 χ^2/NDF:3.3/2

+ sign 22.009+/-71.249 χ^2/NDF: 22.2/19

All: -35.590+/-49.051 χ^2/NDF: 44.2/40

- sign -87.485+/-67.629 χ^2/NDF: 20.8/20

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

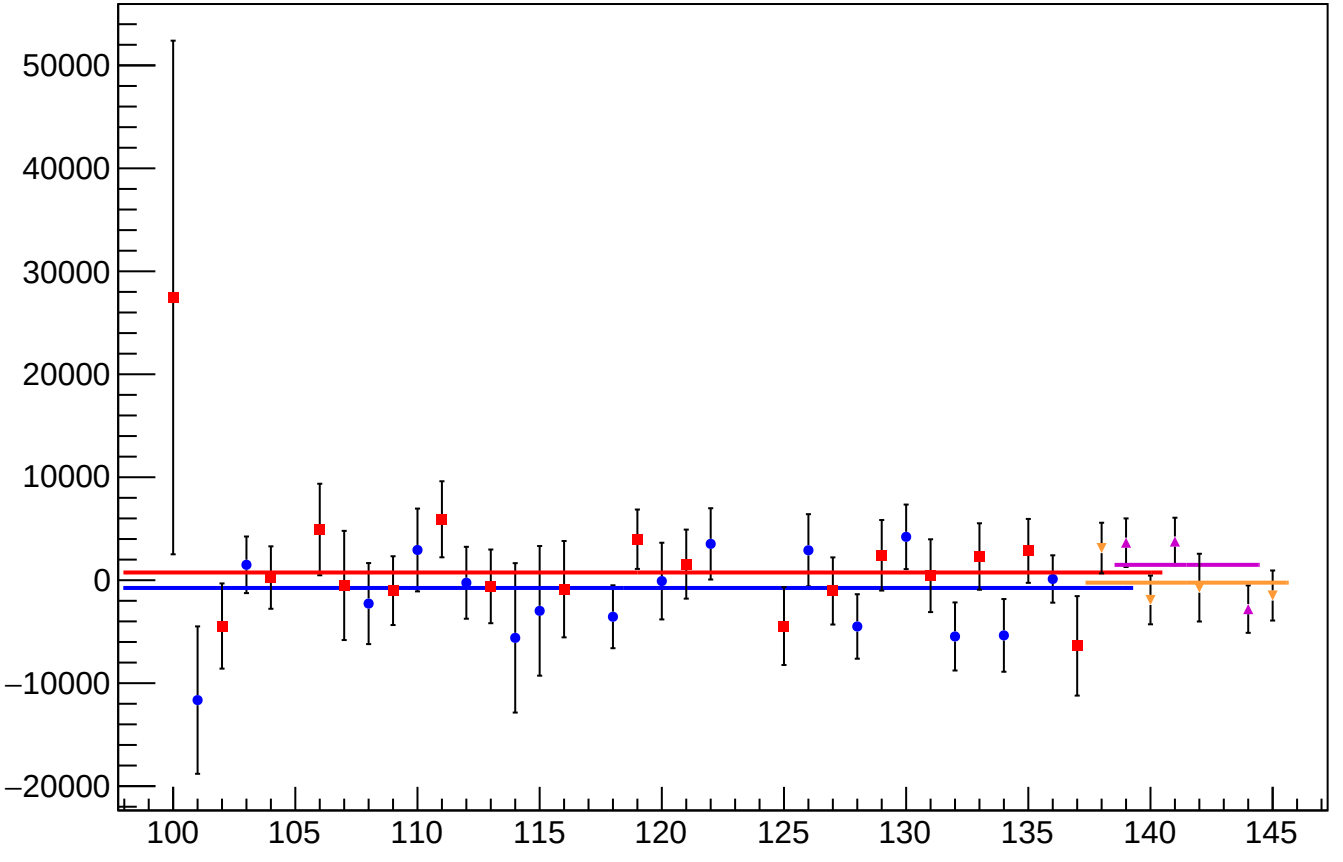
Left In: 184.654+/-0.084 χ^2/NDF:169785.1/2

+ sign 189.132+/-0.050 χ^2/NDF: 5410573.2/19

All: 175.936+/-0.035 χ^2/NDF: 11908876.8/40

- sign 164.048+/-0.048 χ^2/NDF: 6367897.4/20

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

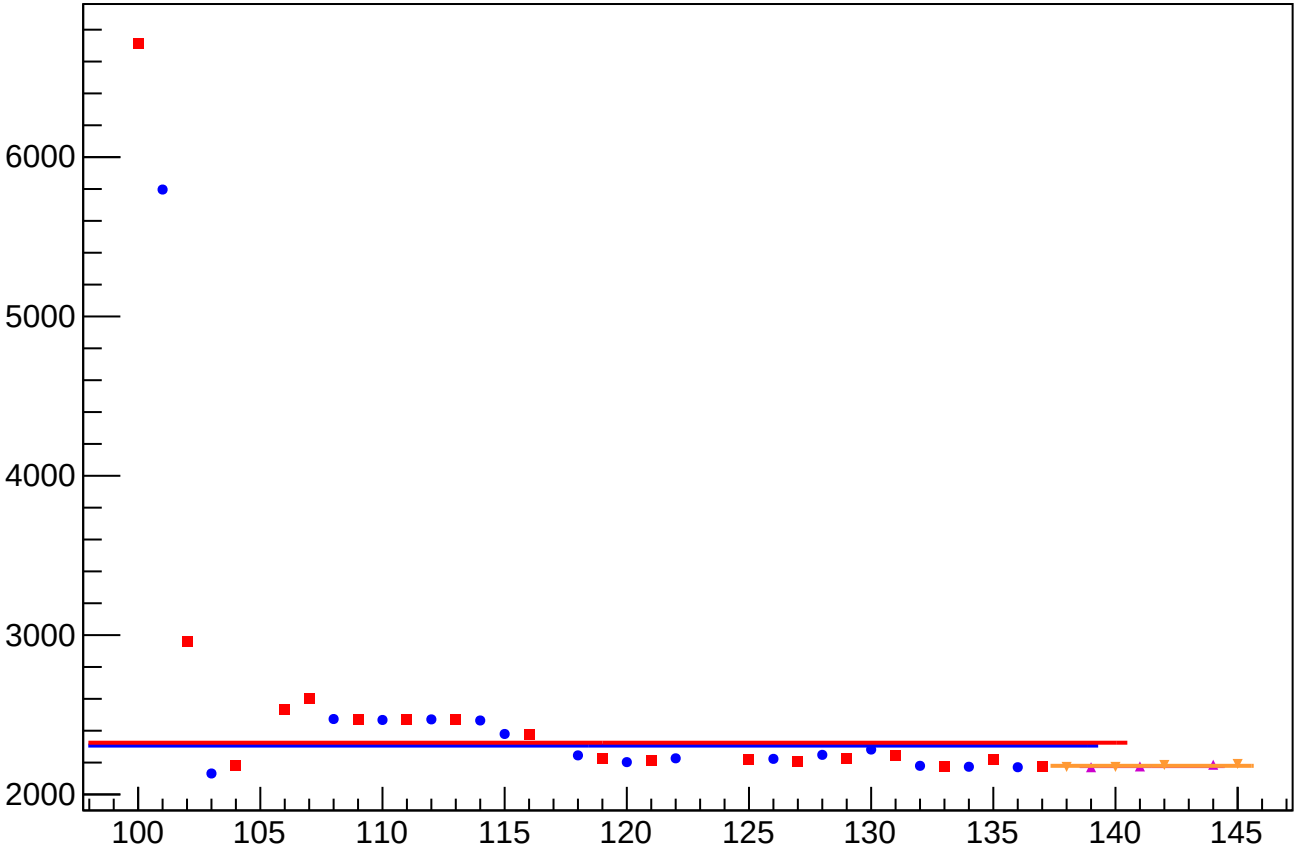
Left In: 1491.492+/-1342.403 χ^2/NDF:5.3/2

+ sign -590.809+/-721.901 χ^2/NDF: 18.6/19

All: 180.518+/-513.199 χ^2/NDF: 39.2/40

- sign 968.616+/-729.707 χ^2/NDF: 18.3/20

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

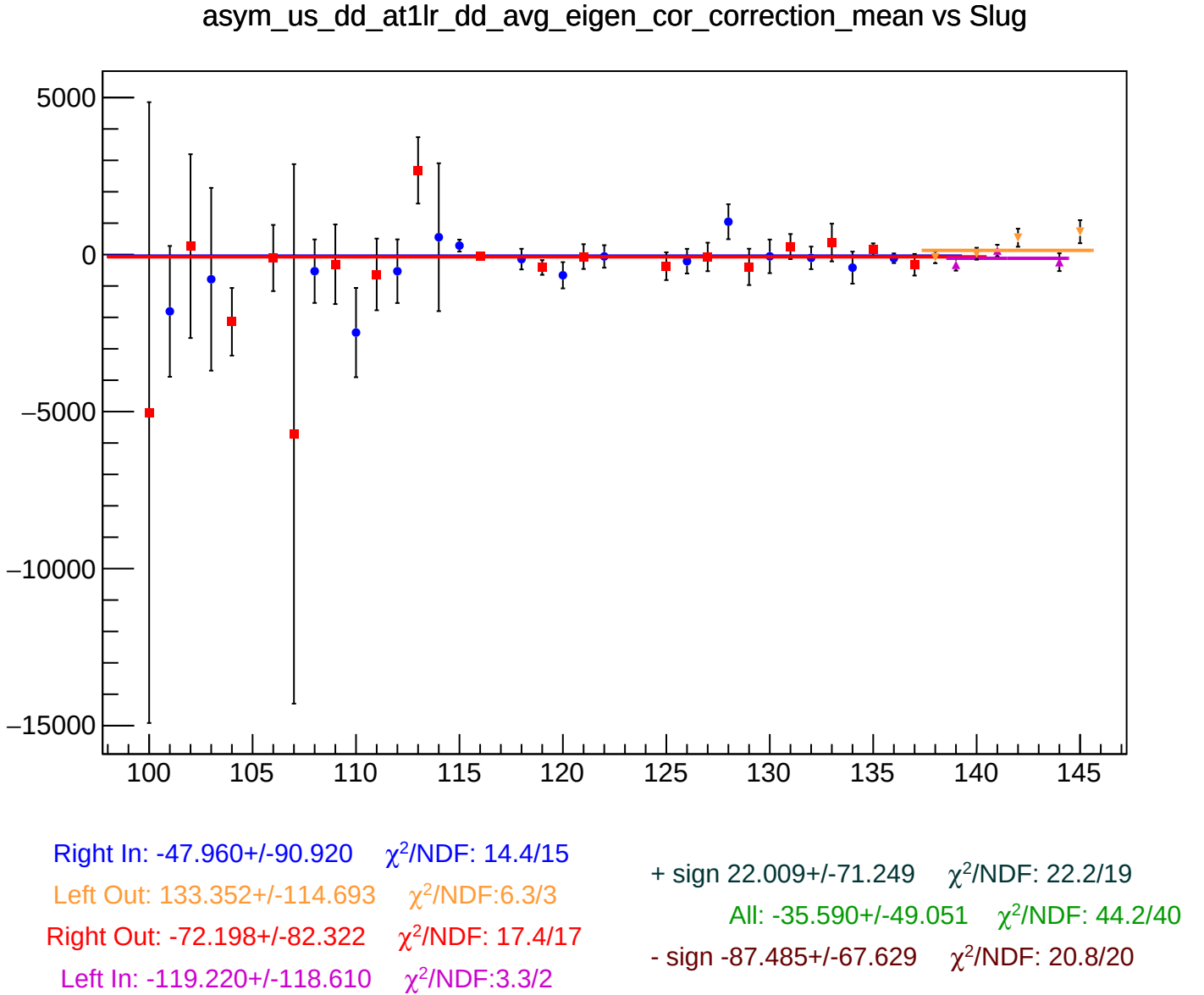
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.935+/-0.949 χ^2/NDF:47.0/2

+ sign 2266.549+/-0.510 χ^2/NDF: 527609.3/19

All: 2273.857+/-0.363 χ^2/NDF: 698487.8/40

- sign 2281.323+/-0.516 χ^2/NDF: 170464.2/20


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug
5000
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−5000
−10000
−15000
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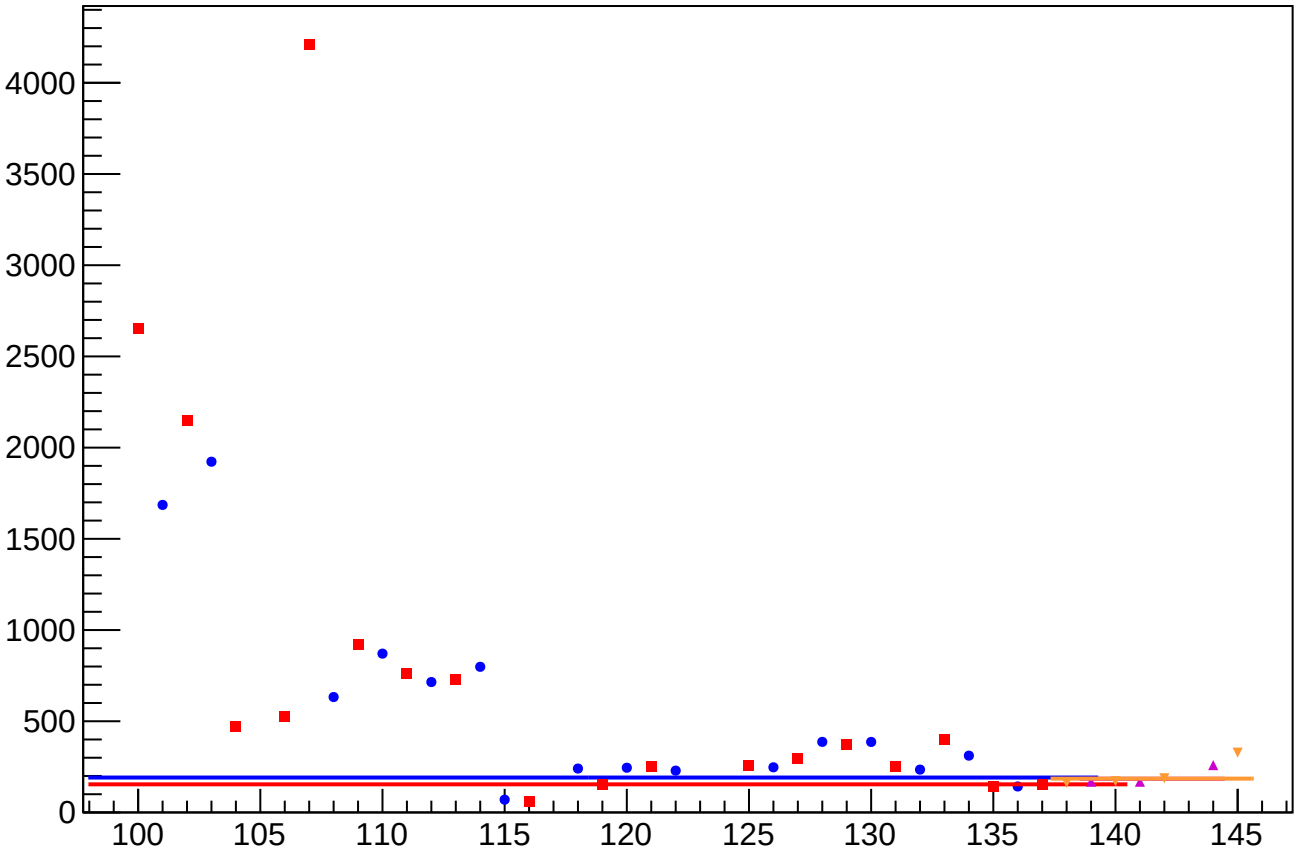
130
135
140
145
Right In: -47.960+/-90.920 χ²/NDF: 14.4/15
Left Out: 133.352+/-114.693 χ²/NDF:6.3/3
Right Out: -72.198+/-82.322 χ²/NDF: 17.4/17
Left In: -119.220+/-118.610 χ²/NDF:3.3/2
+ sign 22.009+/-71.249 χ²/NDF: 22.2/19
All: -35.590+/-49.051 χ²/NDF: 44.2/40
- sign -87.485+/-67.629 χ²/NDF: 20.8/20



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

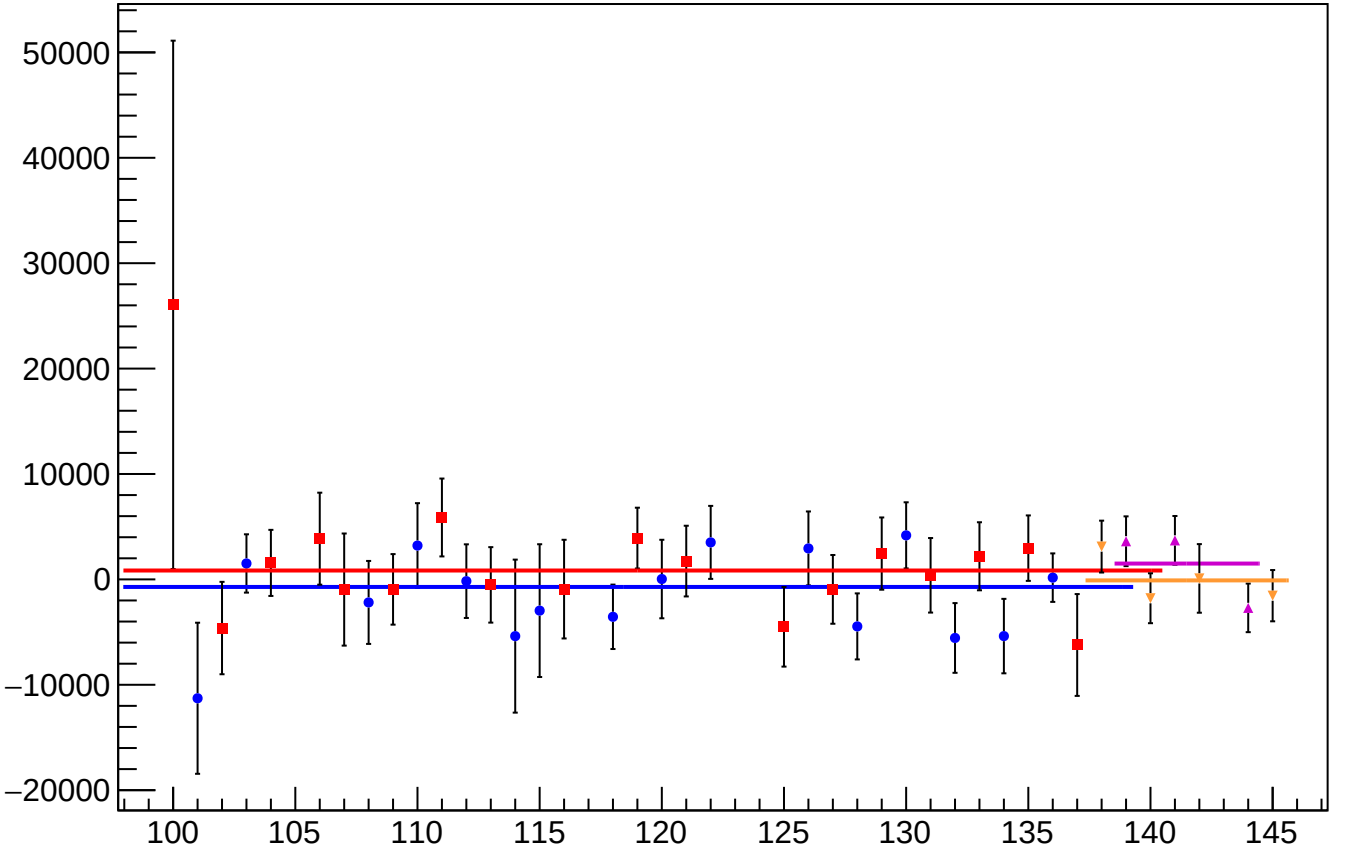
Left In: 184.654+/-0.084 χ^2/NDF:169785.1/2

+ sign 189.132+/-0.050 χ^2/NDF: 5410573.2/19

All: 175.936+/-0.035 χ^2/NDF: 11908876.8/40

- sign 164.048+/-0.048 χ^2/NDF: 6367897.4/20

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

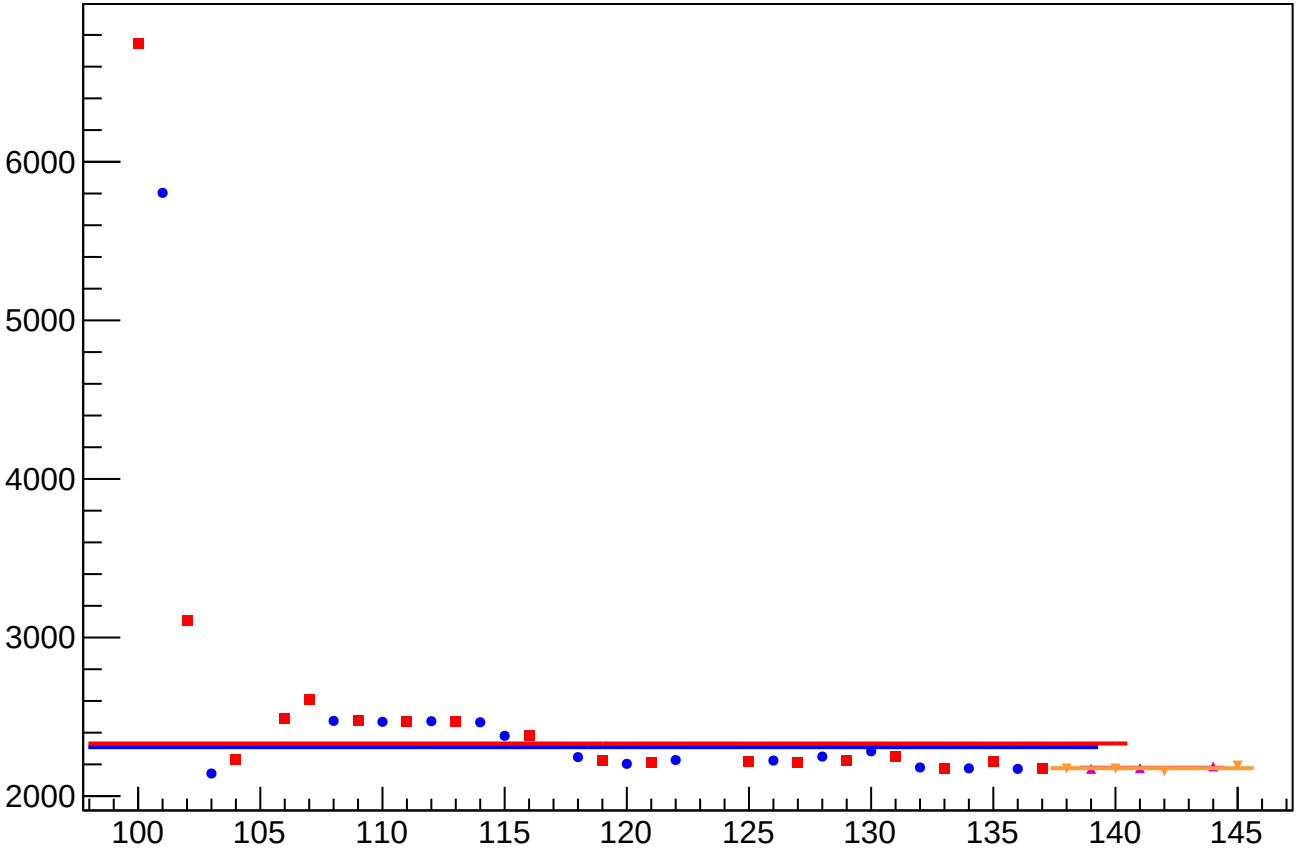
Left In: 1501.165+/-1342.863 χ^2/NDF:5.0/2

+ sign -520.473+/-722.120 χ^2/NDF: 18.6/19

All: 247.944+/-514.168 χ^2/NDF: 38.2/40

- sign 1038.119+/-732.272 χ^2/NDF: 17.4/20

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

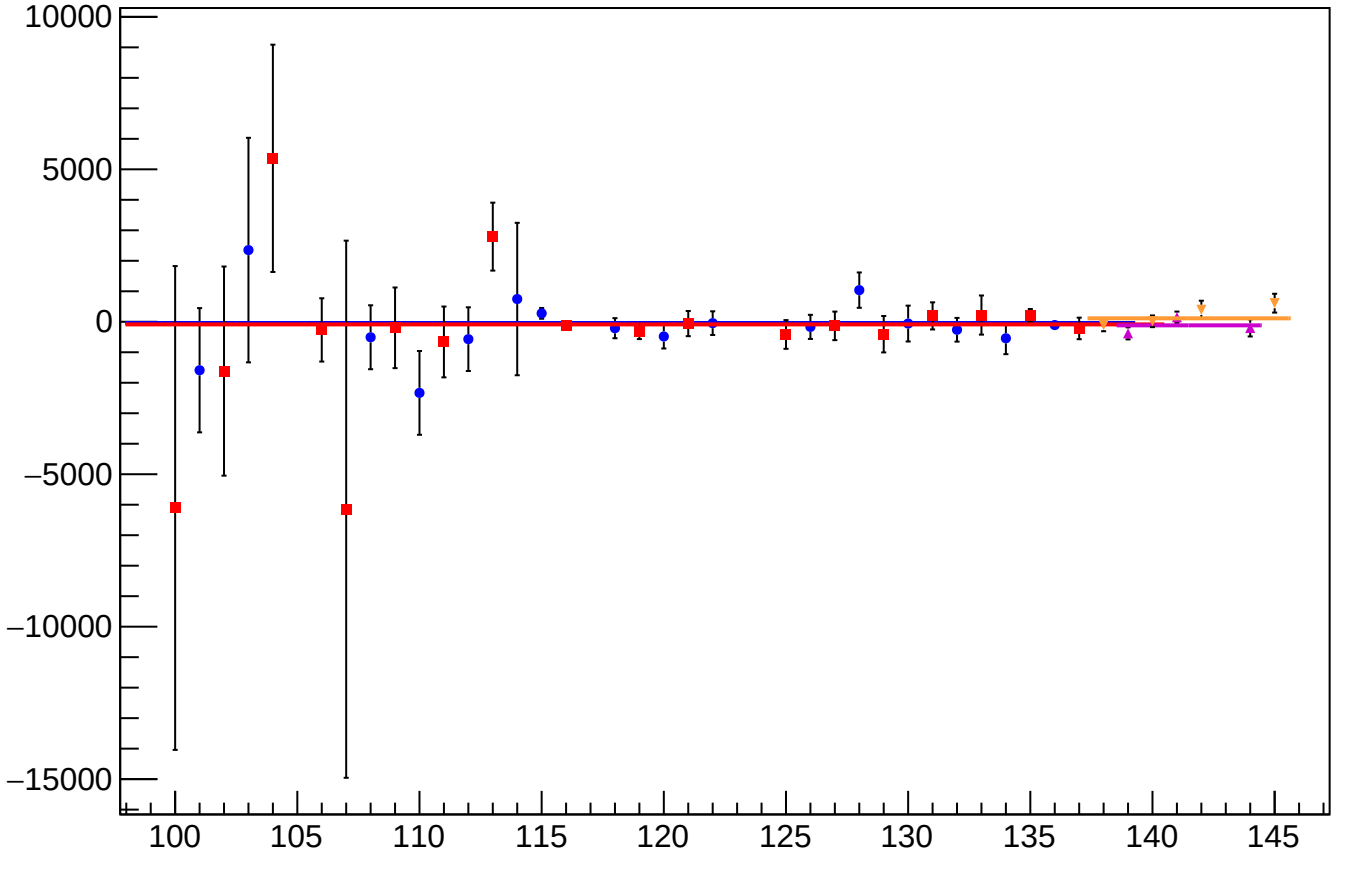
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.681+/-0.950 χ^2/NDF:45.5/2

+ sign 2266.720+/-0.511 χ^2/NDF: 528524.9/19

All: 2276.375+/-0.364 χ^2/NDF: 714899.8/40

- sign 2286.304+/-0.518 χ^2/NDF: 185649.7/20



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: 112.966+/-116.128 χ^2/NDF:5.0/3

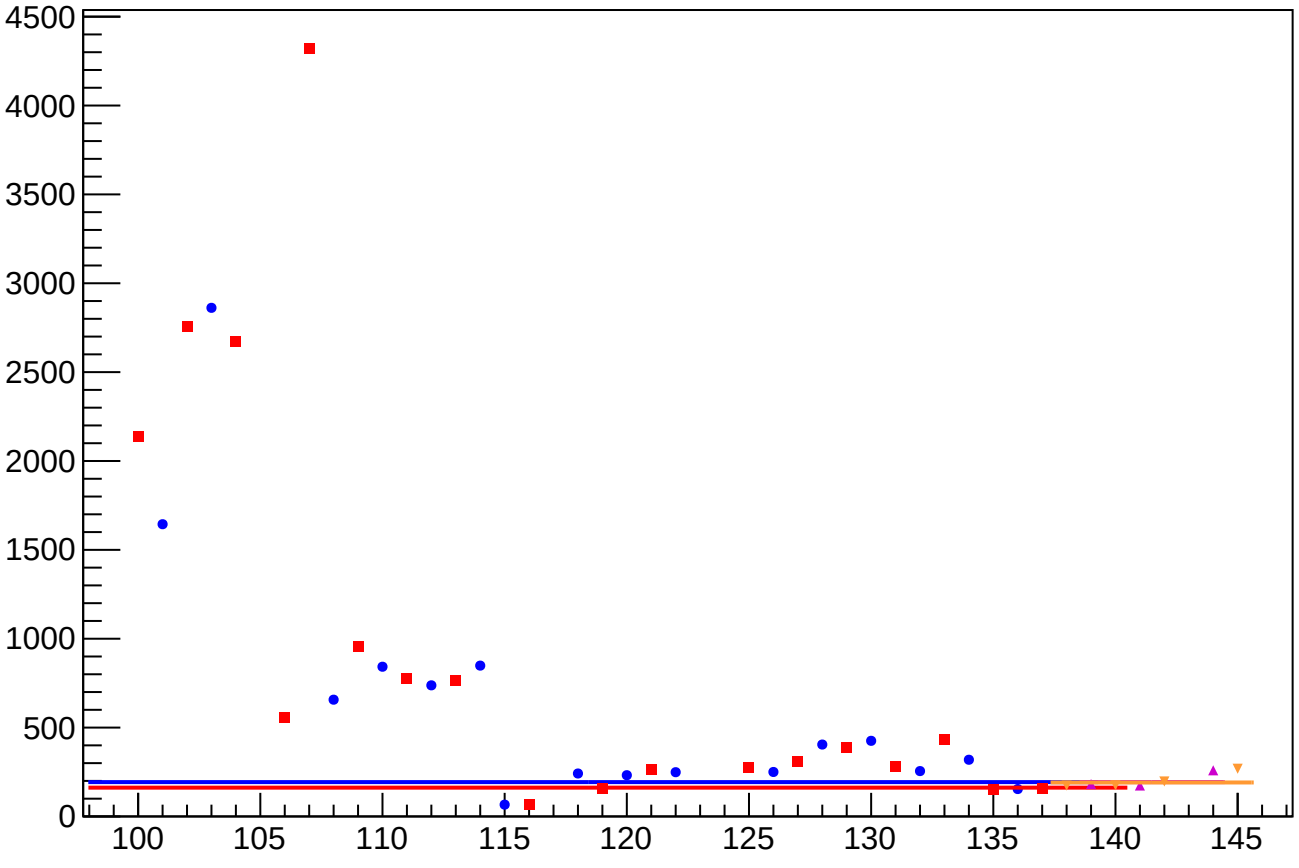
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -117.234+/-122.201 χ^2/NDF:3.9/2

+ sign 19.234+/-72.309 χ^2/NDF: 20.1/19

All: -40.258+/-50.433 χ^2/NDF: 40.3/40

- sign -96.613+/-70.378 χ^2/NDF: 18.9/20



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

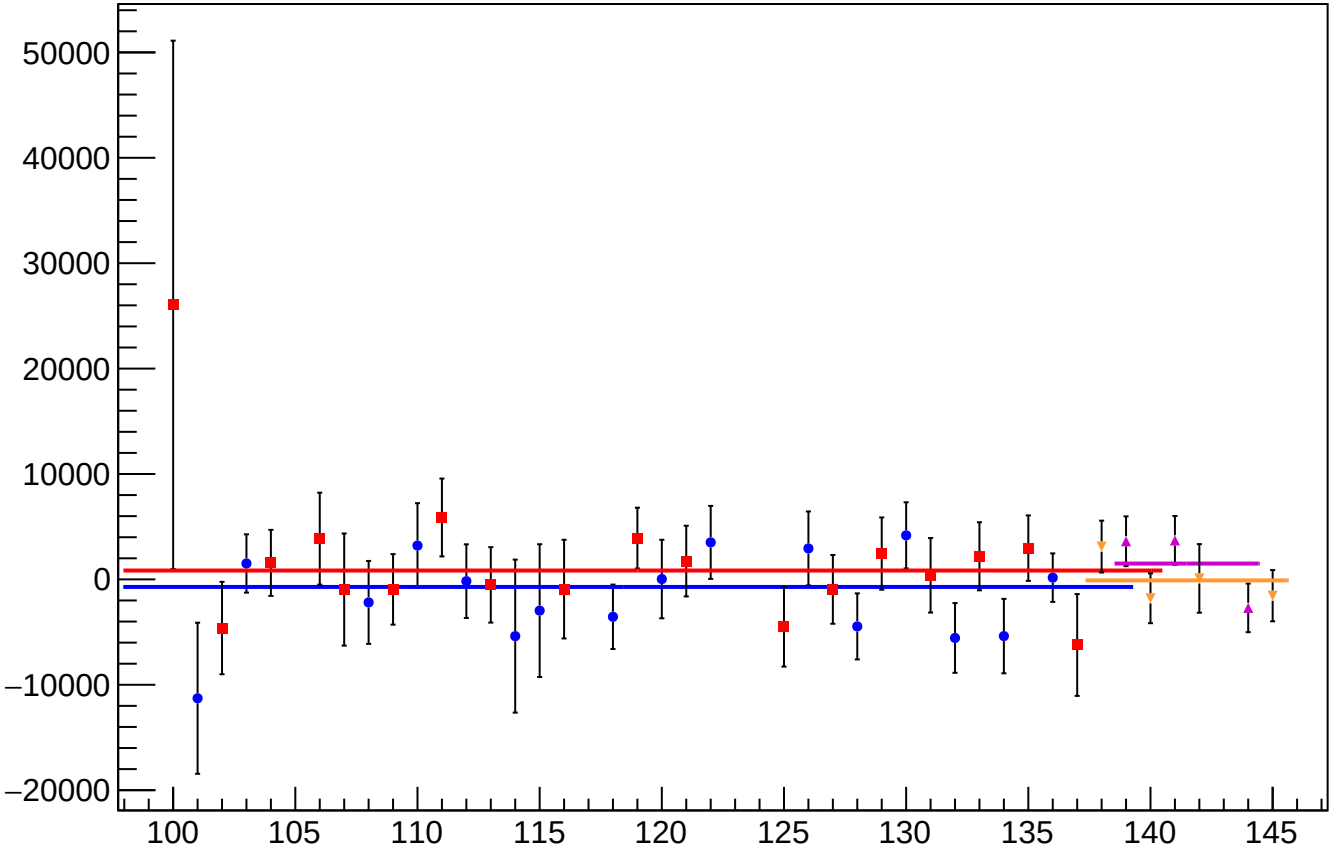
Left In: 193.435+/-0.086 χ^2/NDF:139632.8/2

+ sign 192.461+/-0.051 χ^2/NDF: 5773753.3/19

All: 182.212+/-0.036 χ^2/NDF: 13149932.0/40

- sign 172.502+/-0.050 χ^2/NDF: 7297929.7/20

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

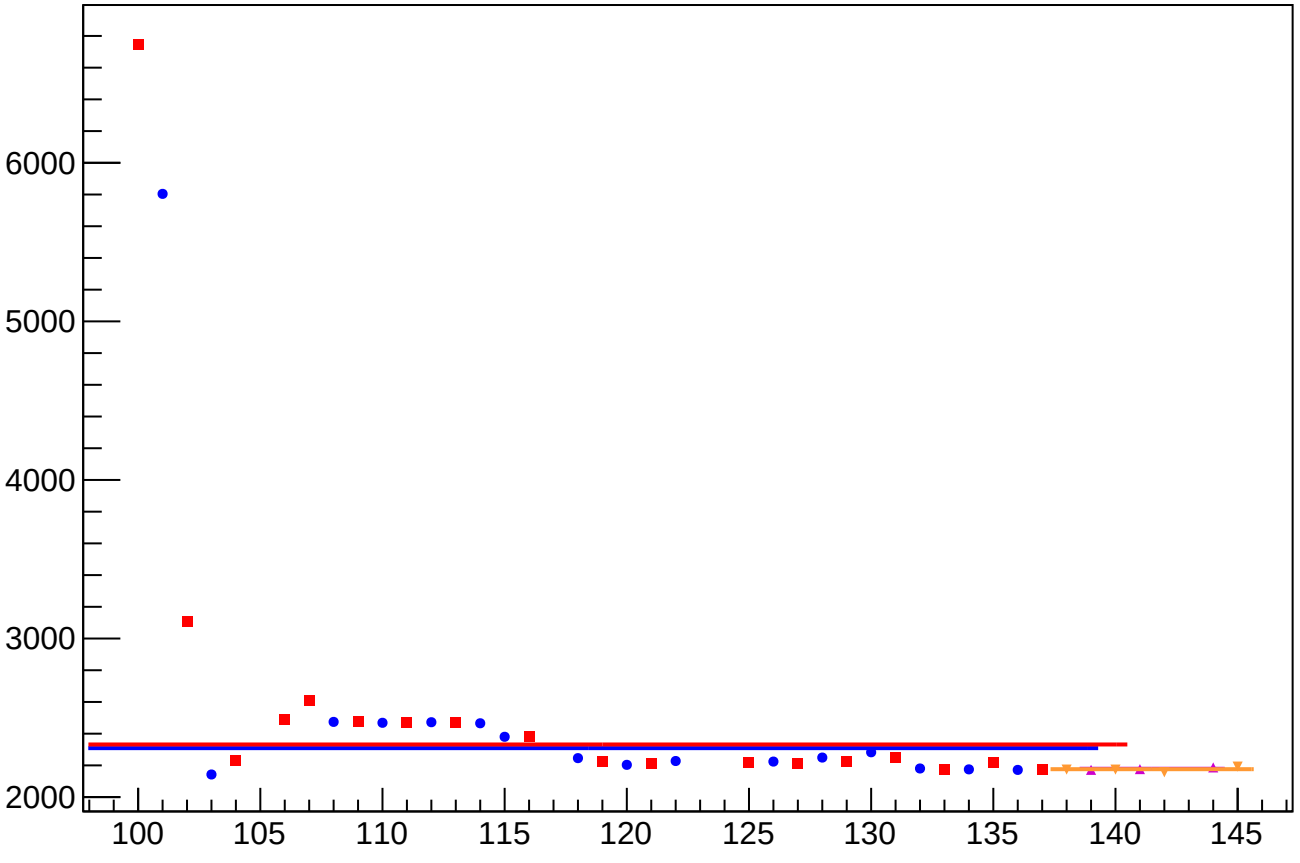
Left In: 1501.163+/-1342.863 χ^2/NDF:5.0/2

+ sign -520.474+/-722.120 χ^2/NDF: 18.6/19

All: 247.944+/-514.168 χ^2/NDF: 38.2/40

- sign 1038.120+/-732.272 χ^2/NDF: 17.4/20

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

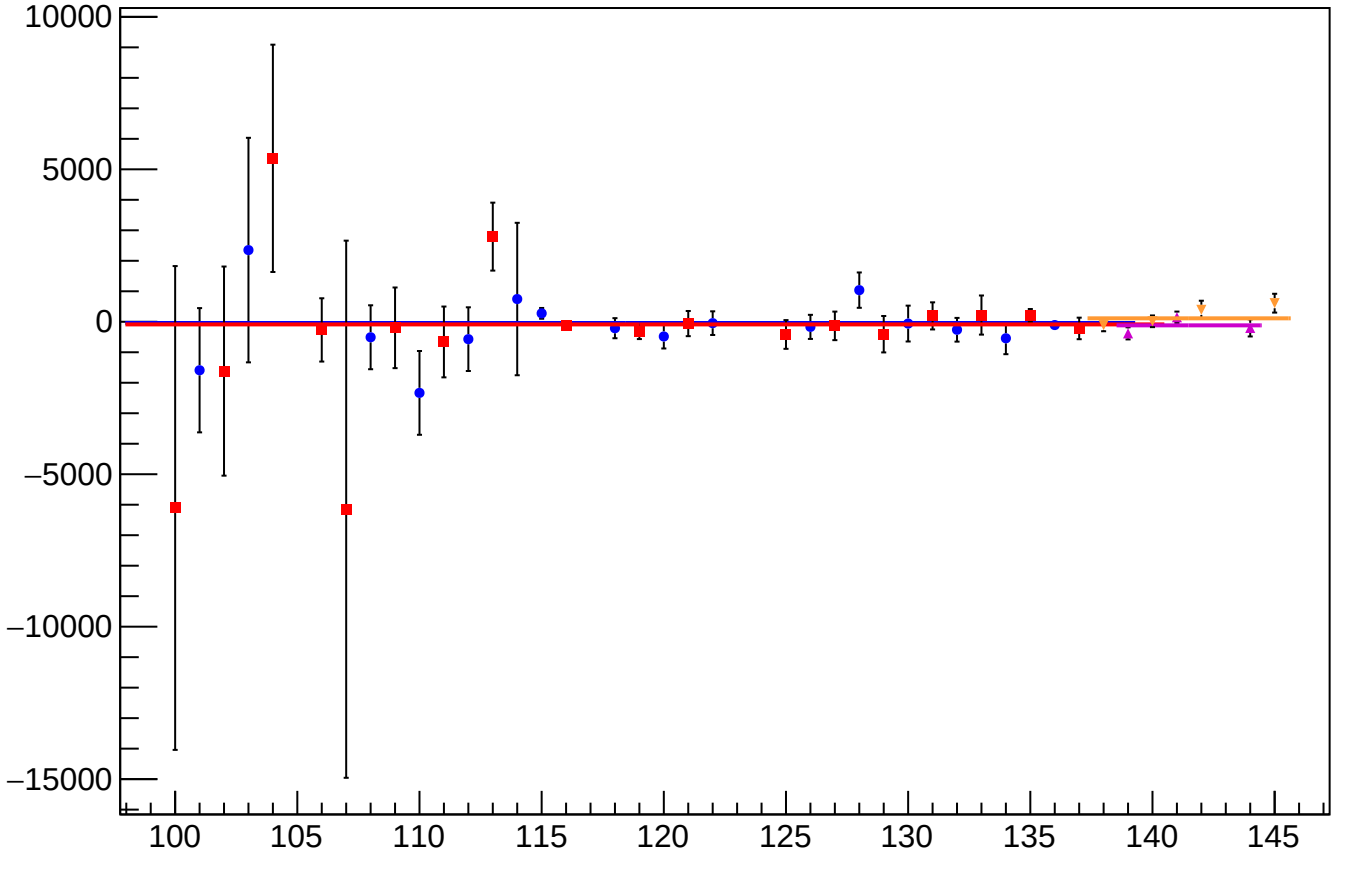
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.681+/-0.950 χ^2/NDF:45.5/2

+ sign 2266.720+/-0.511 χ^2/NDF: 528524.9/19

All: 2276.375+/-0.364 χ^2/NDF: 714899.7/40

- sign 2286.304+/-0.518 χ^2/NDF: 185649.6/20



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

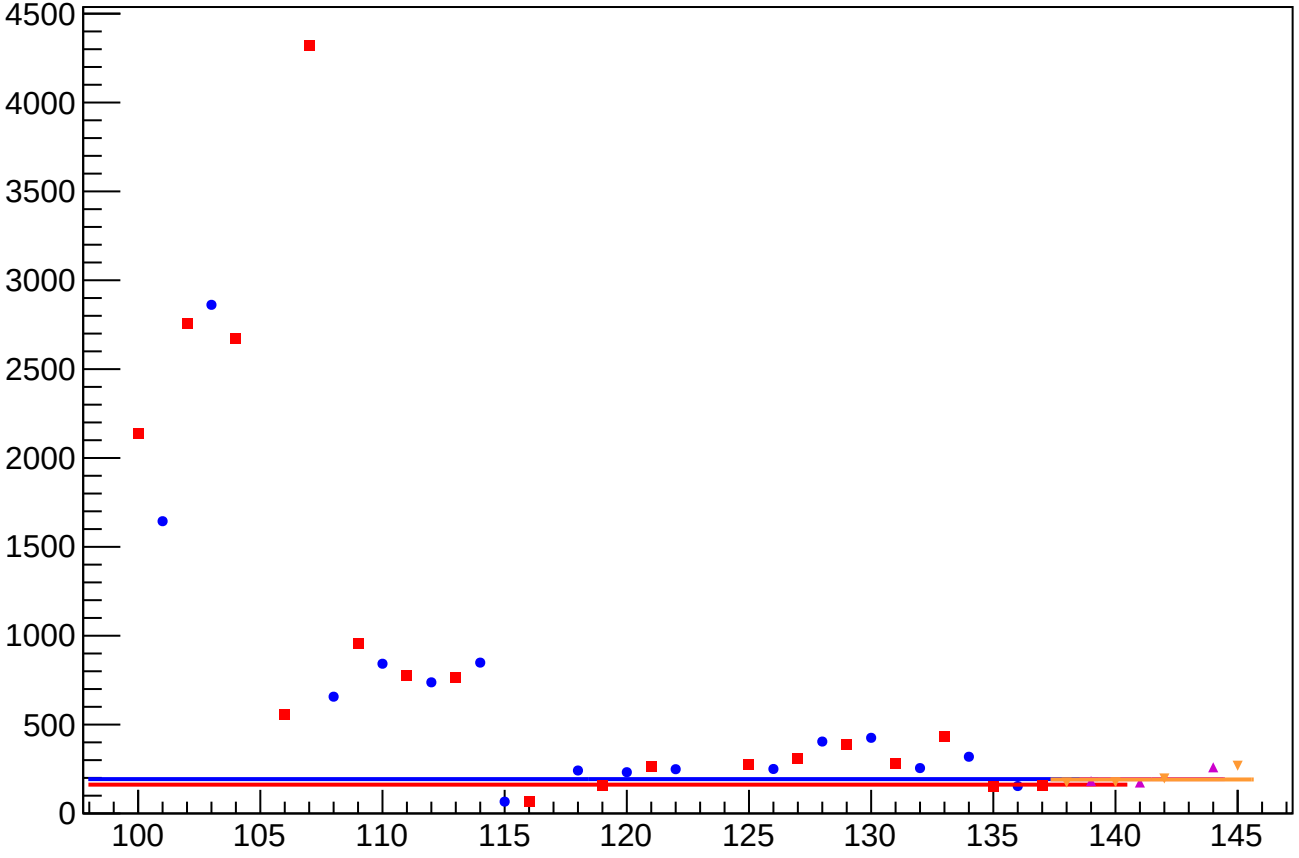
Left In: -117.231+/-122.202 χ^2/NDF:3.9/2

+ sign 19.236+/-72.309 χ^2/NDF: 20.1/19

All: -40.256+/-50.433 χ^2/NDF: 40.3/40

- sign -96.612+/-70.377 χ^2/NDF: 18.9/20

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug



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

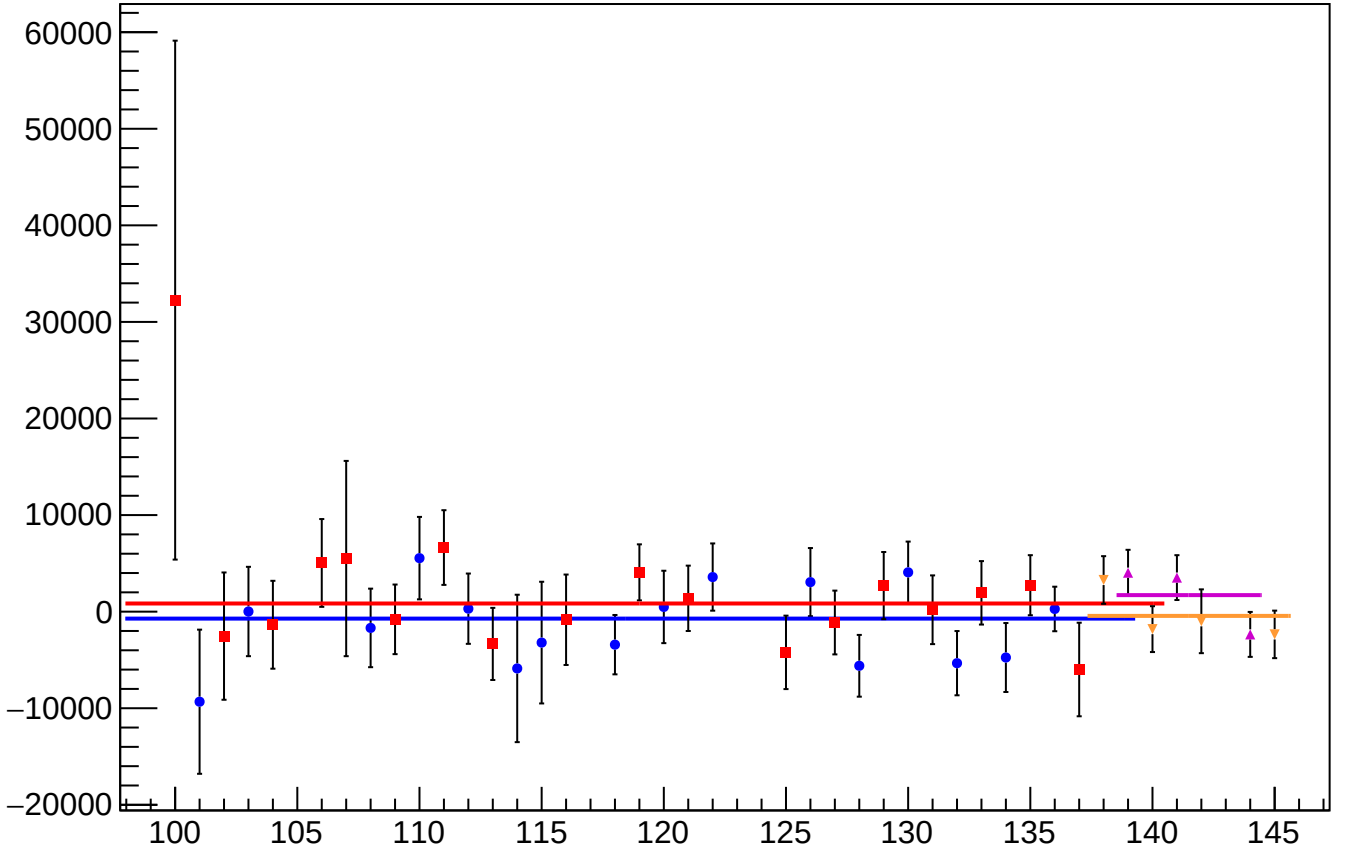
Left In: 193.436+/-0.086 χ^2/NDF:139626.5/2

+ sign 192.460+/-0.051 χ^2/NDF: 5773779.7/19

All: 182.211+/-0.036 χ^2/NDF: 13150033.8/40

- sign 172.501+/-0.050 χ^2/NDF: 7298000.7/20

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

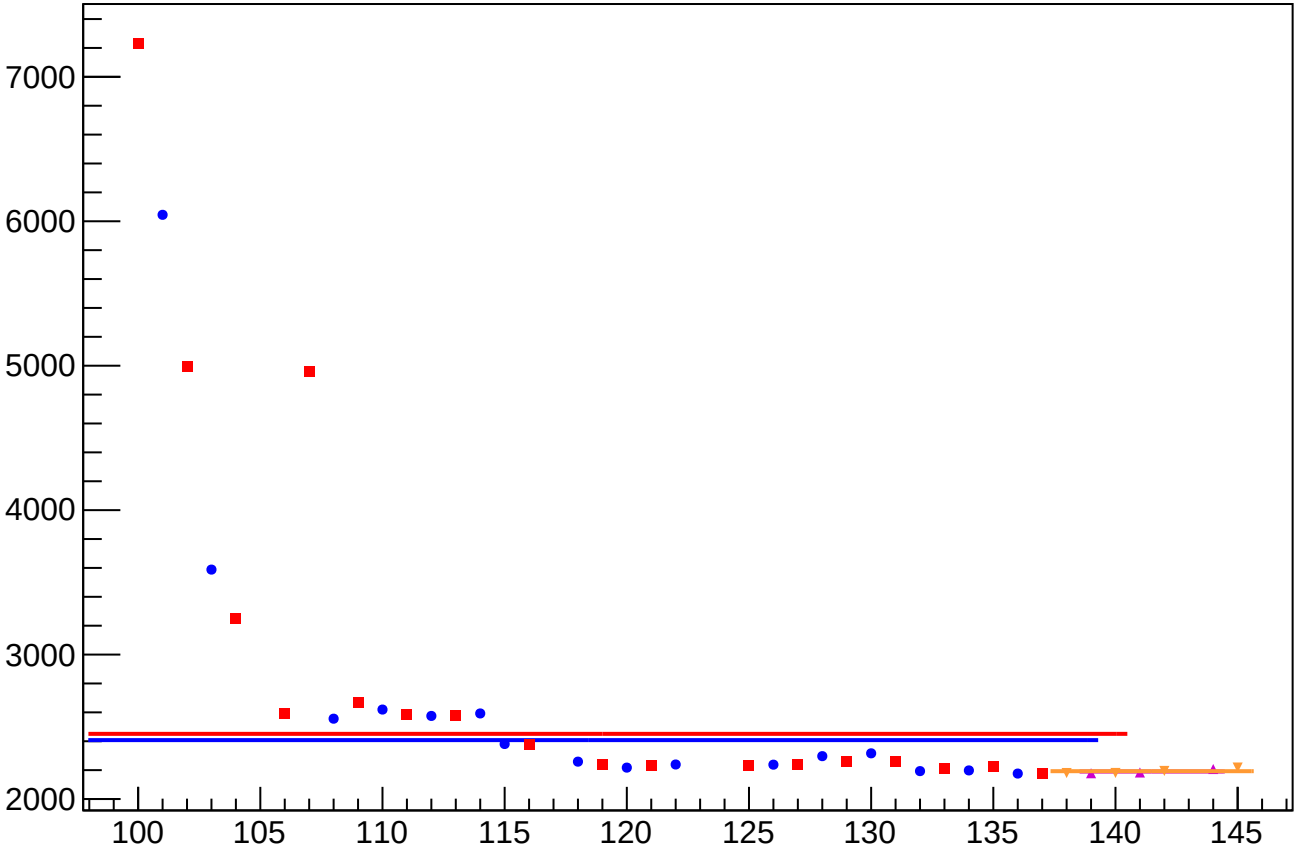
Left In: 1712.250+/-1349.959 χ^2/NDF:4.6/2

+ sign -625.701+/-747.500 χ^2/NDF: 19.1/19

All: 228.499+/-534.686 χ^2/NDF: 39.6/40

- sign 1123.466+/-765.130 χ^2/NDF: 17.9/20

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

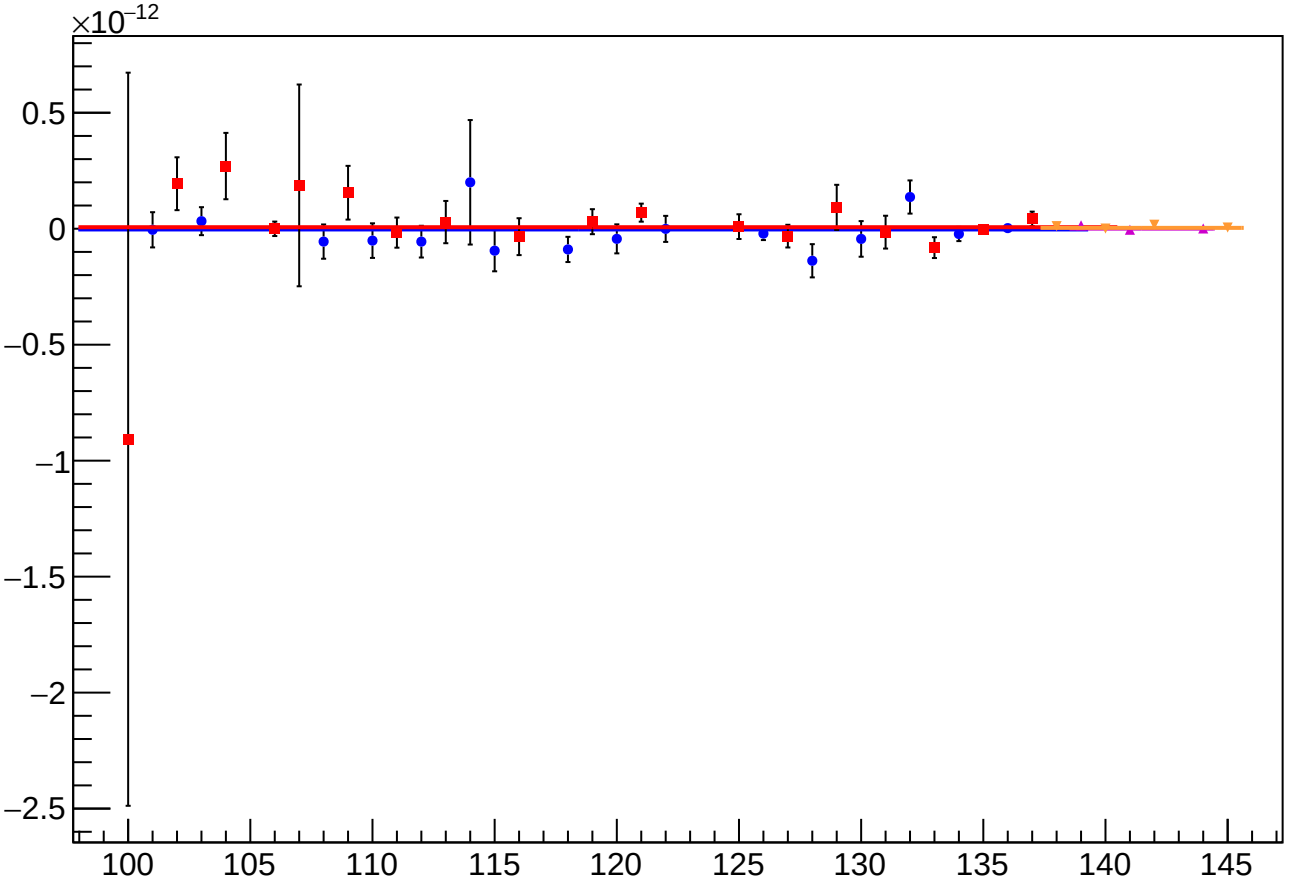
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2190.153+/-0.955 χ^2/NDF:177.9/2

+ sign 2335.875+/-0.529 χ^2/NDF: 714060.6/19

All: 2351.238+/-0.378 χ^2/NDF: 1400326.8/40

- sign 2367.334+/-0.541 χ^2/NDF: 684536.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

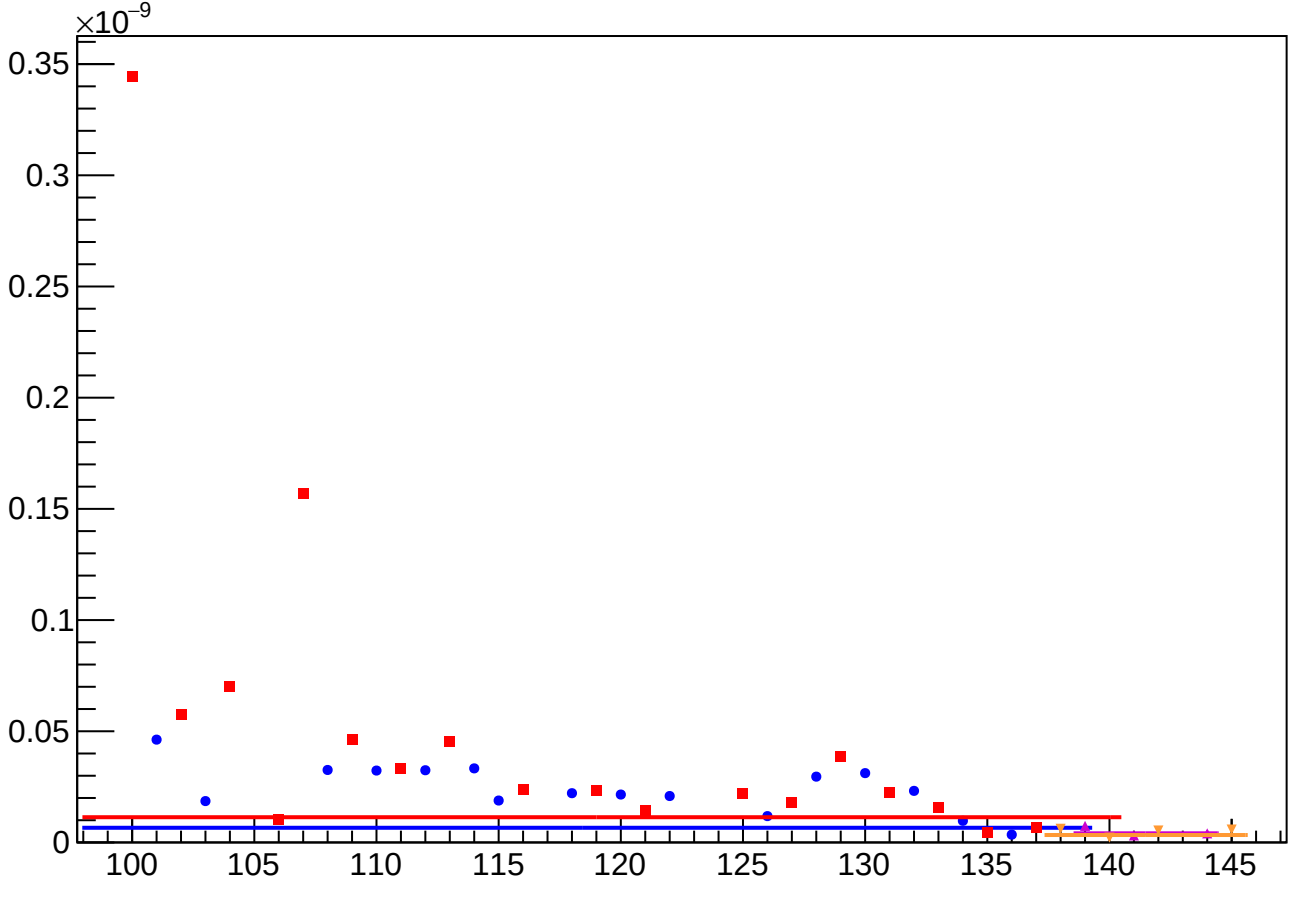
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 18.7/19

All: 0.000+/-0.000 χ^2/NDF: 39.9/40

- sign 0.000+/-0.000 χ^2/NDF: 21.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:508813.7/3

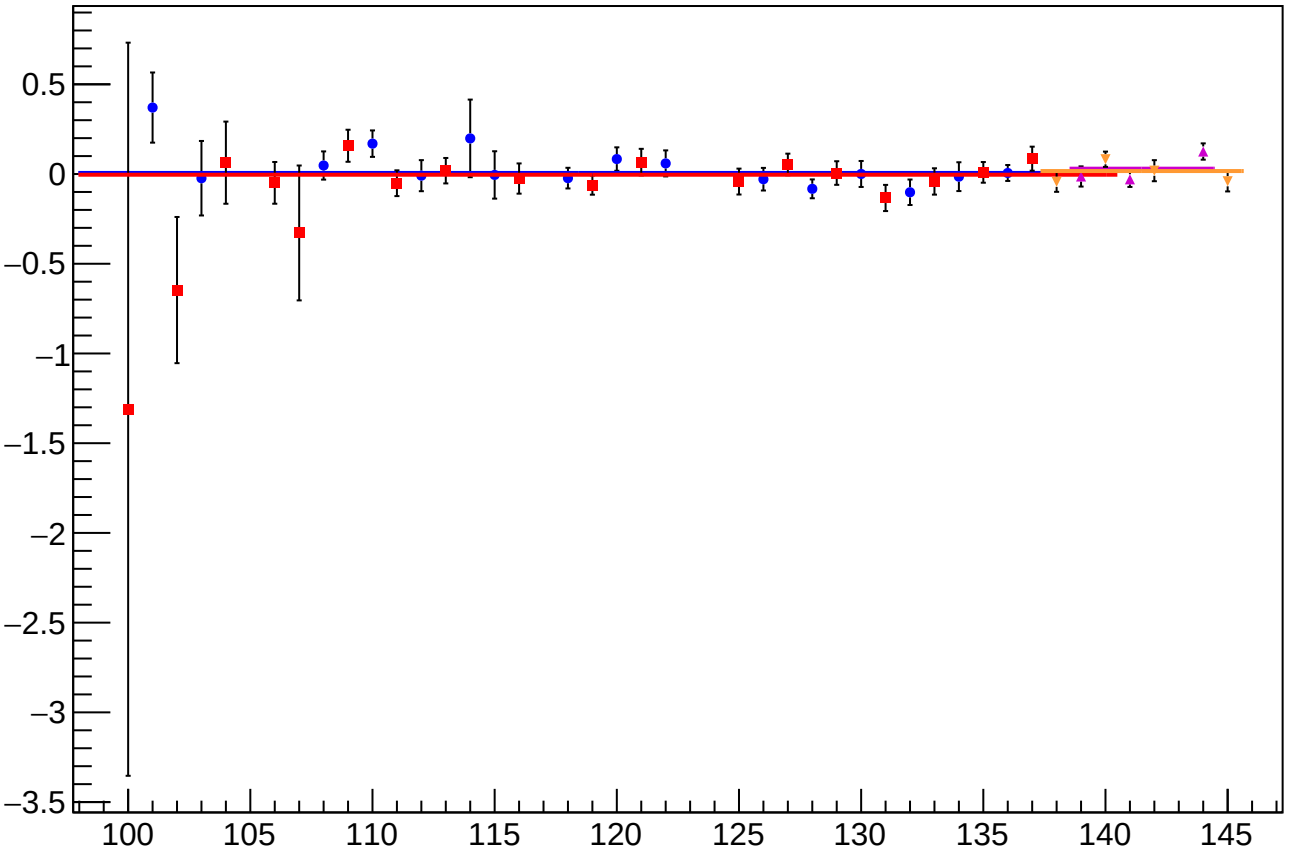
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:200544.4/2

\+ sign 0.000+/-0.000 χ^2/NDF: 3779446.7/19

All: 0.000+/-0.000 χ^2/NDF: 7715117.1/40

\- sign 0.000+/-0.000 χ^2/NDF: 3811959.9/20



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

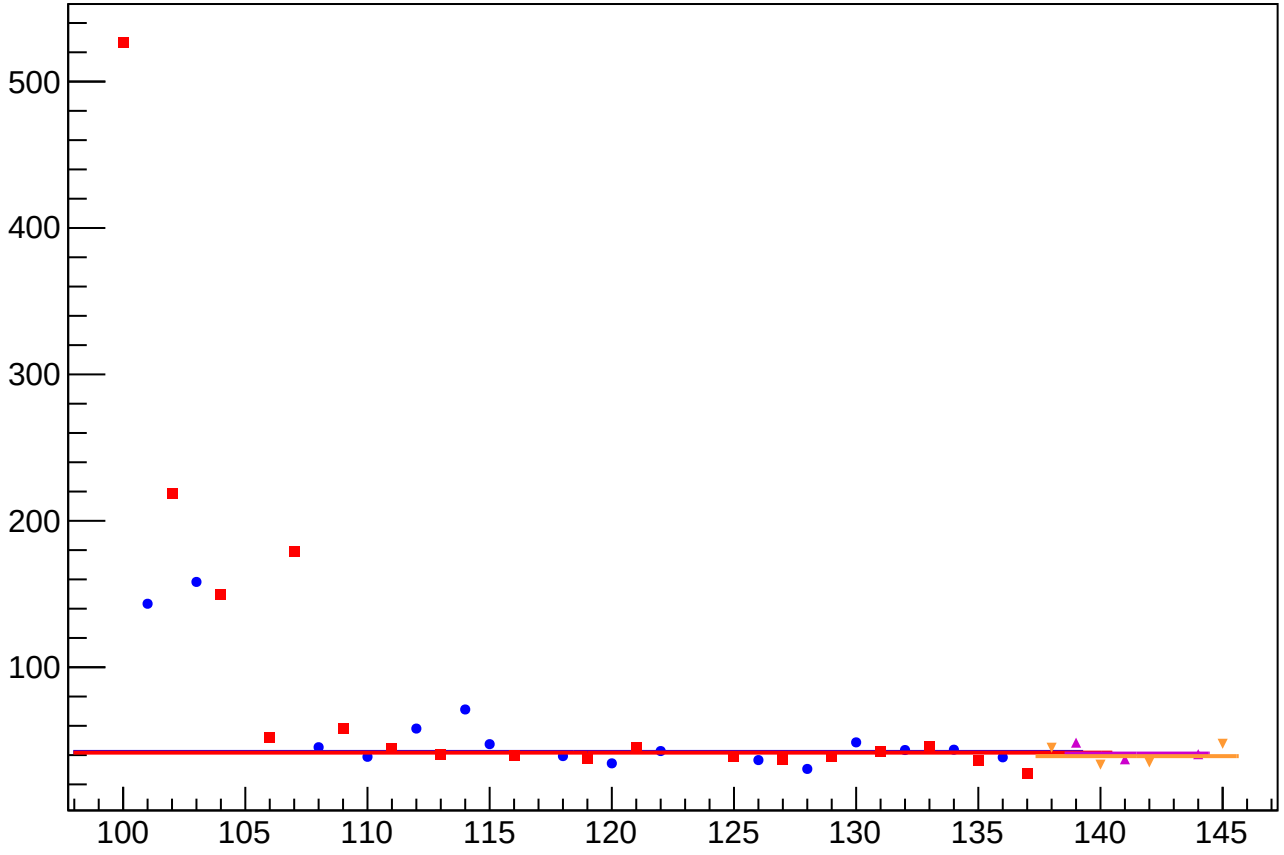
Left In: 0.030+/-0.027 χ^2/NDF:7.0/2

+ sign 0.010+/-0.015 χ^2/NDF: 21.9/19

All: 0.008+/-0.011 χ^2/NDF: 46.2/40

- sign 0.007+/-0.015 χ^2/NDF: 24.3/20

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.288+/-0.018 χ^2/NDF:113351.5/3

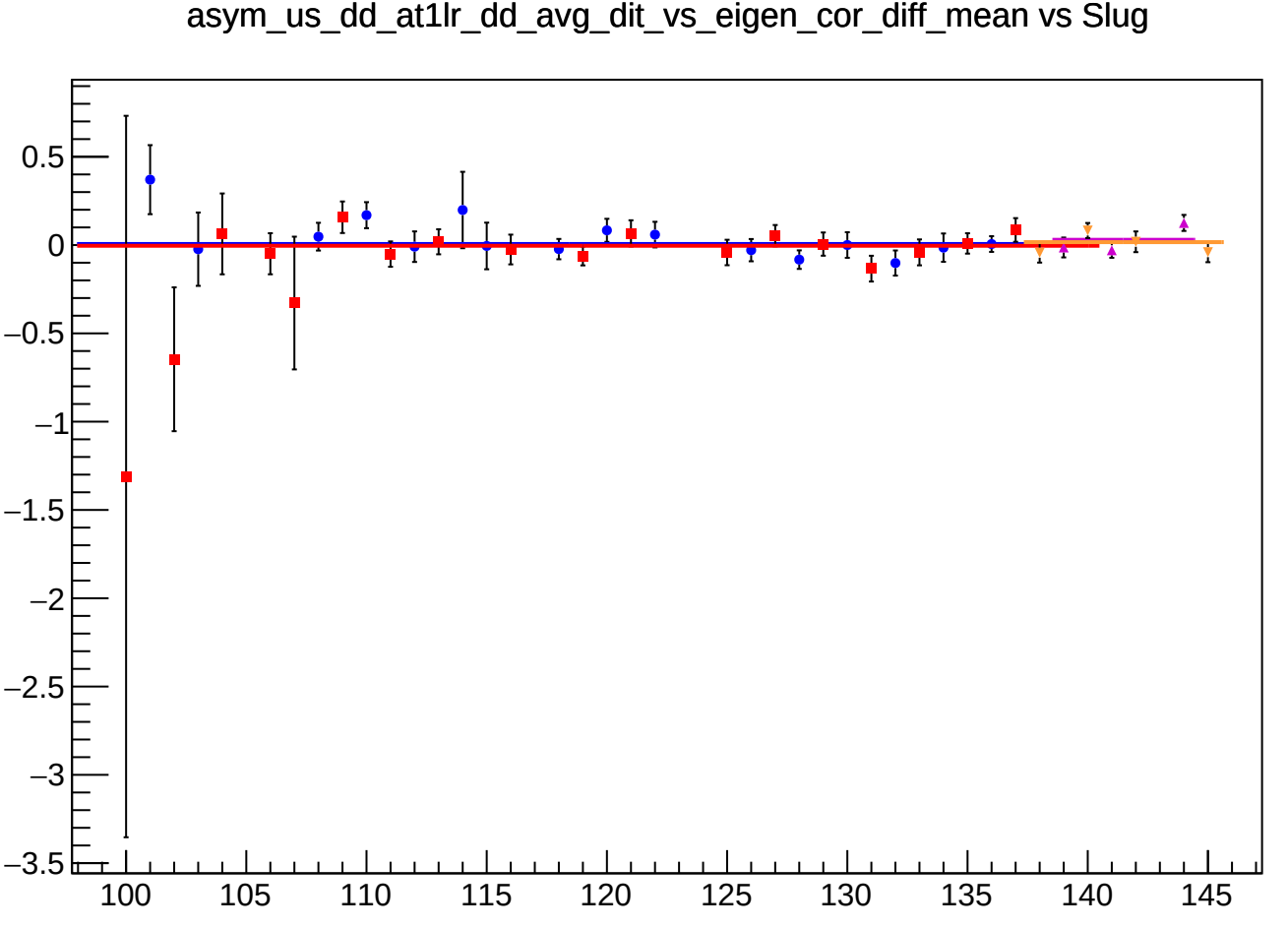
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.044+/-0.019 χ^2/NDF:52147.3/2

+ sign 41.218+/-0.011 χ^2/NDF: 1584085.2/19

All: 41.348+/-0.008 χ^2/NDF: 3078523.6/40

- sign 41.485+/-0.011 χ^2/NDF: 1494126.5/20



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.017+/-0.026 χ^2/NDF:4.5/3

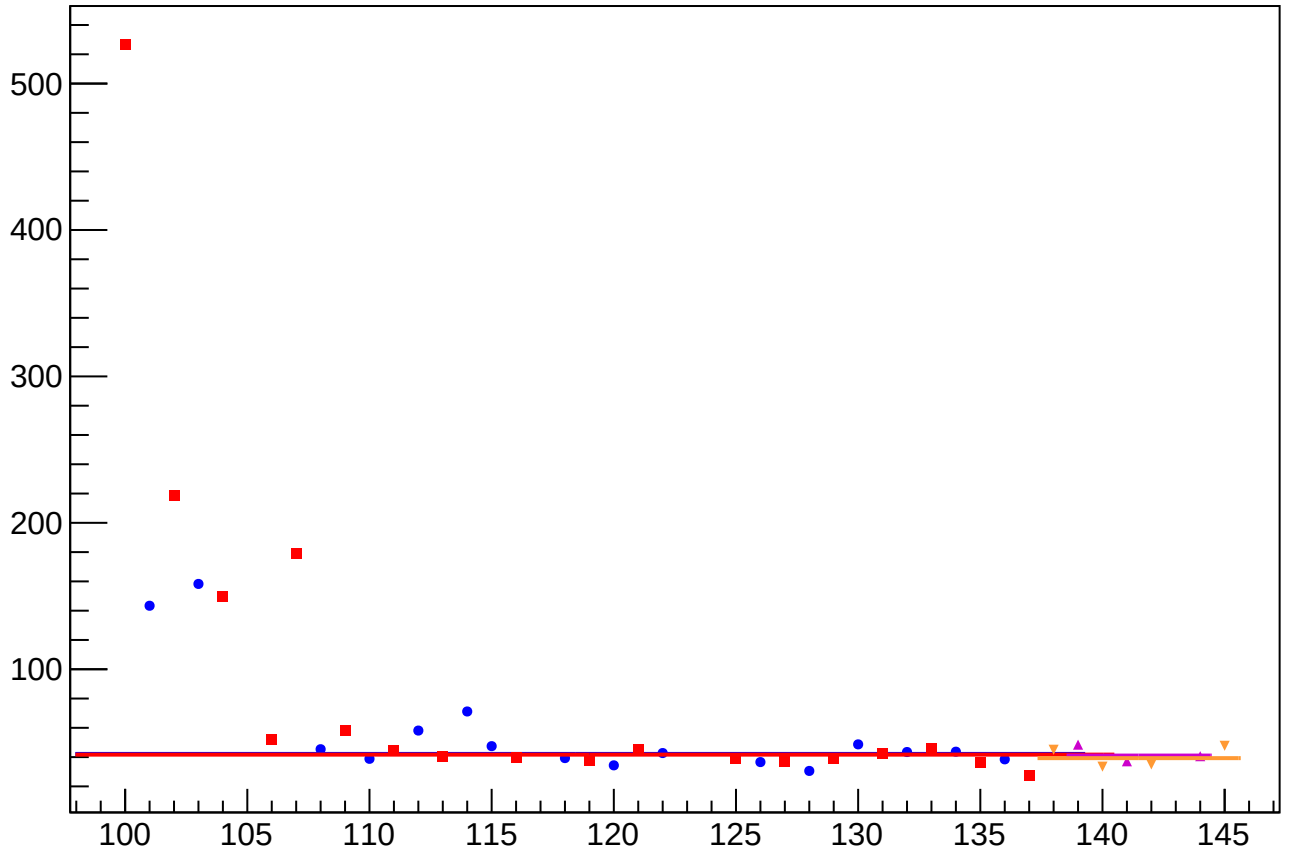
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.030+/-0.027 χ^2/NDF:7.0/2

+ sign 0.010+/-0.015 χ^2/NDF: 21.9/19

All: 0.008+/-0.011 χ^2/NDF: 46.2/40

- sign 0.007+/-0.015 χ^2/NDF: 24.3/20



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.288+/-0.018 χ^2/NDF:113351.5/3

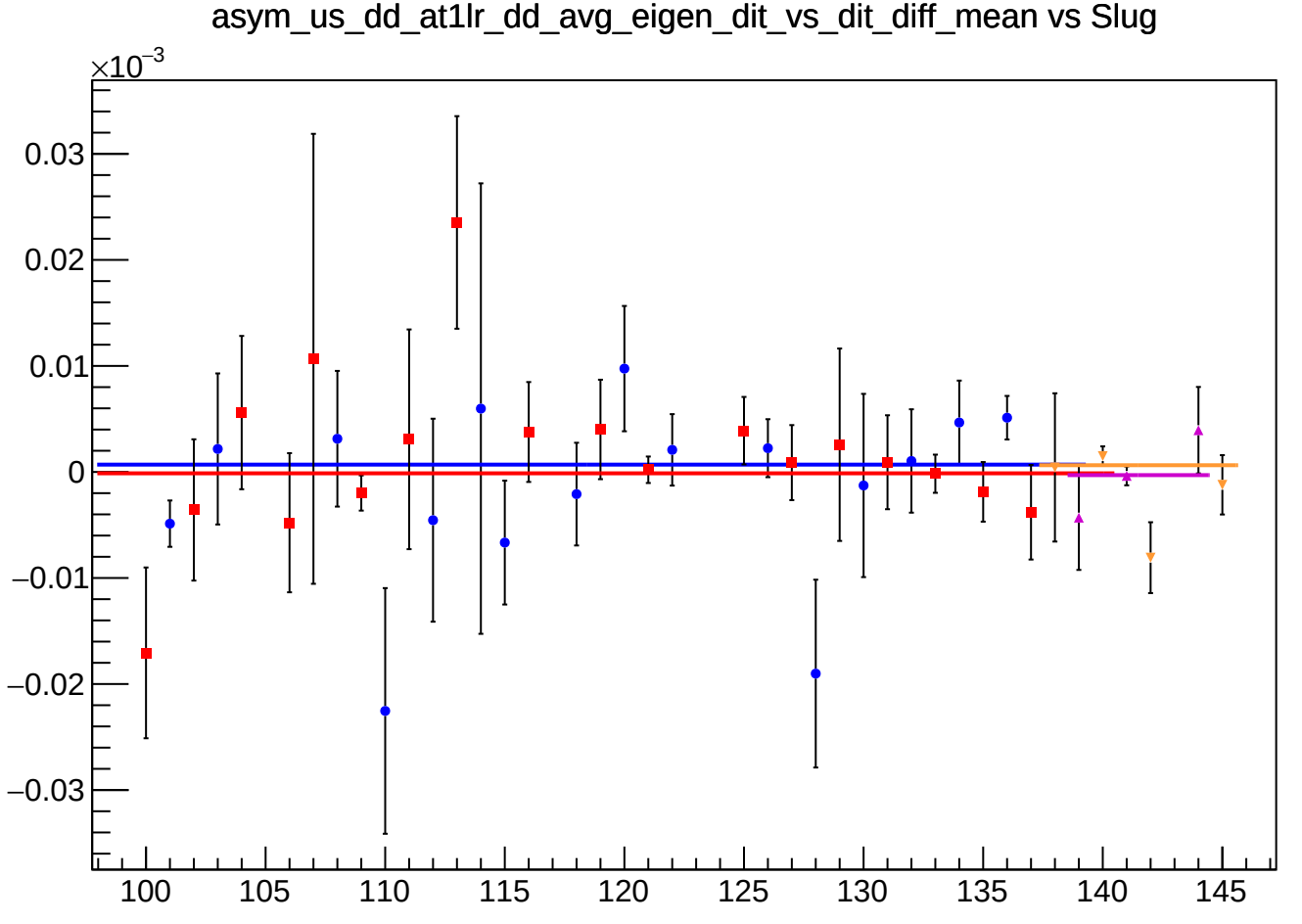
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.044+/-0.019 χ^2/NDF:52147.3/2

+ sign 41.218+/-0.011 χ^2/NDF: 1584085.2/19

All: 41.348+/-0.008 χ^2/NDF: 3078523.6/40

- sign 41.485+/-0.011 χ^2/NDF: 1494126.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/3

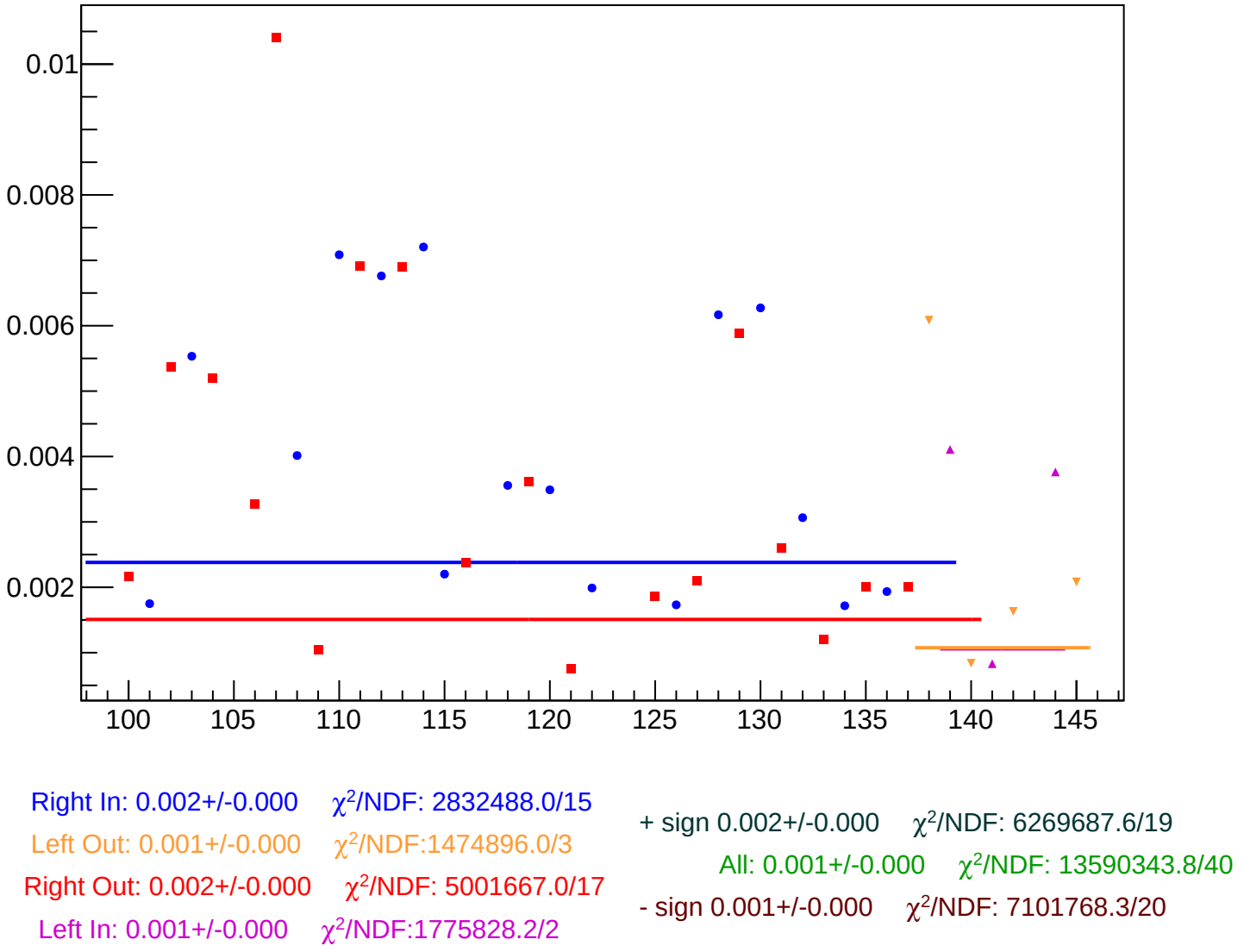
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

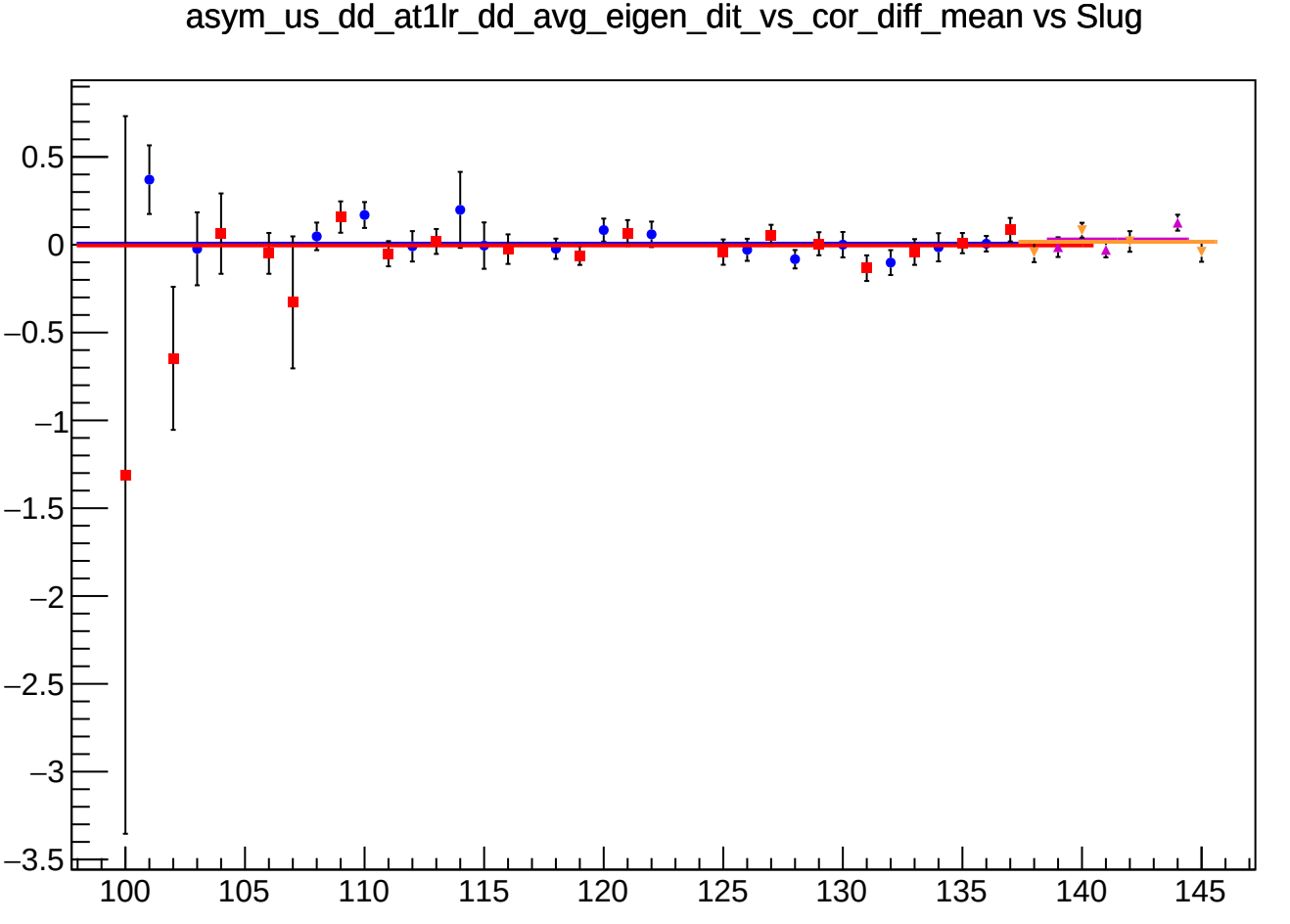
Left In: -0.000+/-0.000 χ^2/NDF:1.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/19

All: 0.000+/-0.000 χ^2/NDF: 54.8/40

- sign -0.000+/-0.000 χ^2/NDF: 19.2/20


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
105
110
115
120
125
130
135
140
145
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:1775828.2/2
+ sign 0.002+/-0.000 χ²/NDF: 6269687.6/19
All: 0.001+/-0.000 χ²/NDF: 13590343.8/40
- sign 0.001+/-0.000 χ²/NDF: 7101768.3/20



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.017+/-0.026 χ^2/NDF:4.5/3

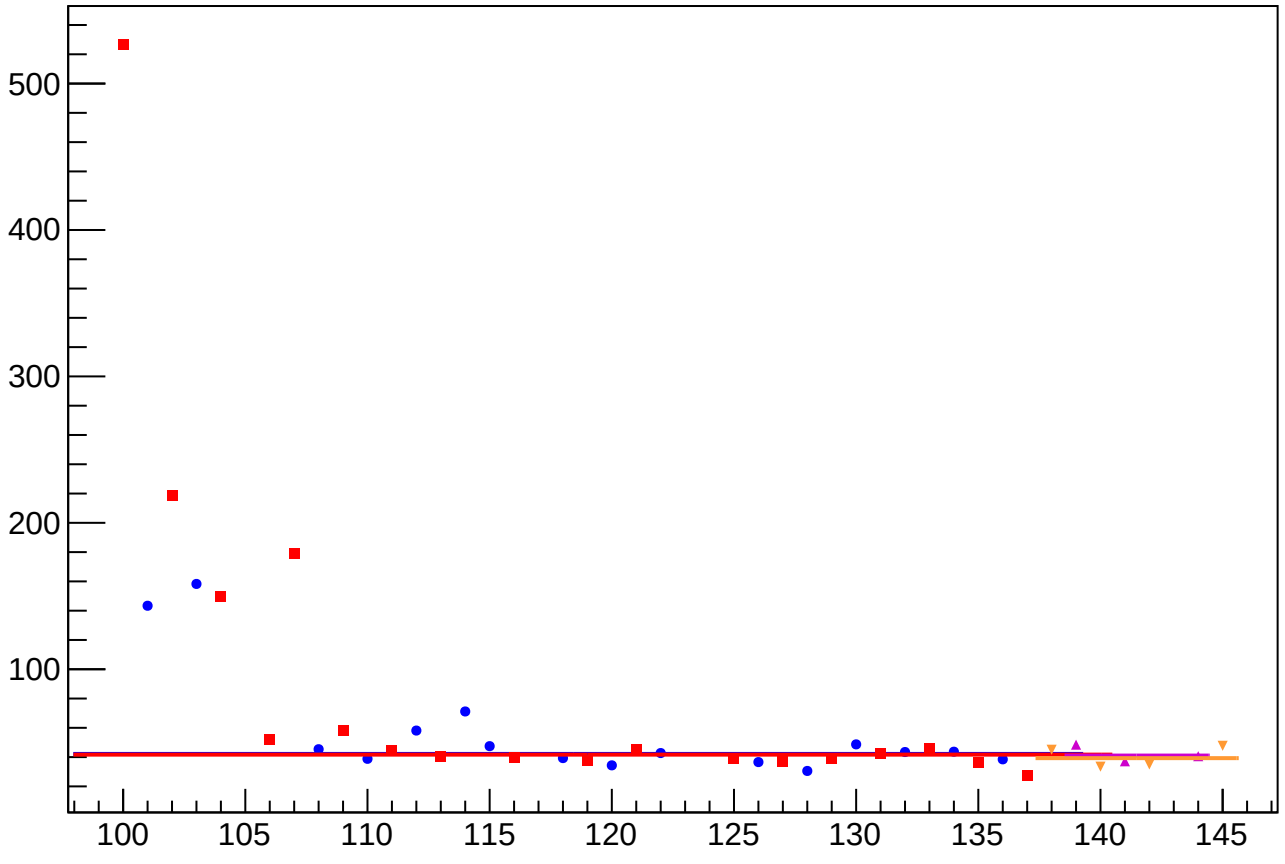
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.030+/-0.027 χ^2/NDF:7.0/2

+ sign 0.010+/-0.015 χ^2/NDF: 21.9/19

All: 0.008+/-0.011 χ^2/NDF: 46.2/40

- sign 0.007+/-0.015 χ^2/NDF: 24.3/20



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 39.289+/-0.018 χ^2/NDF:113326.7/3

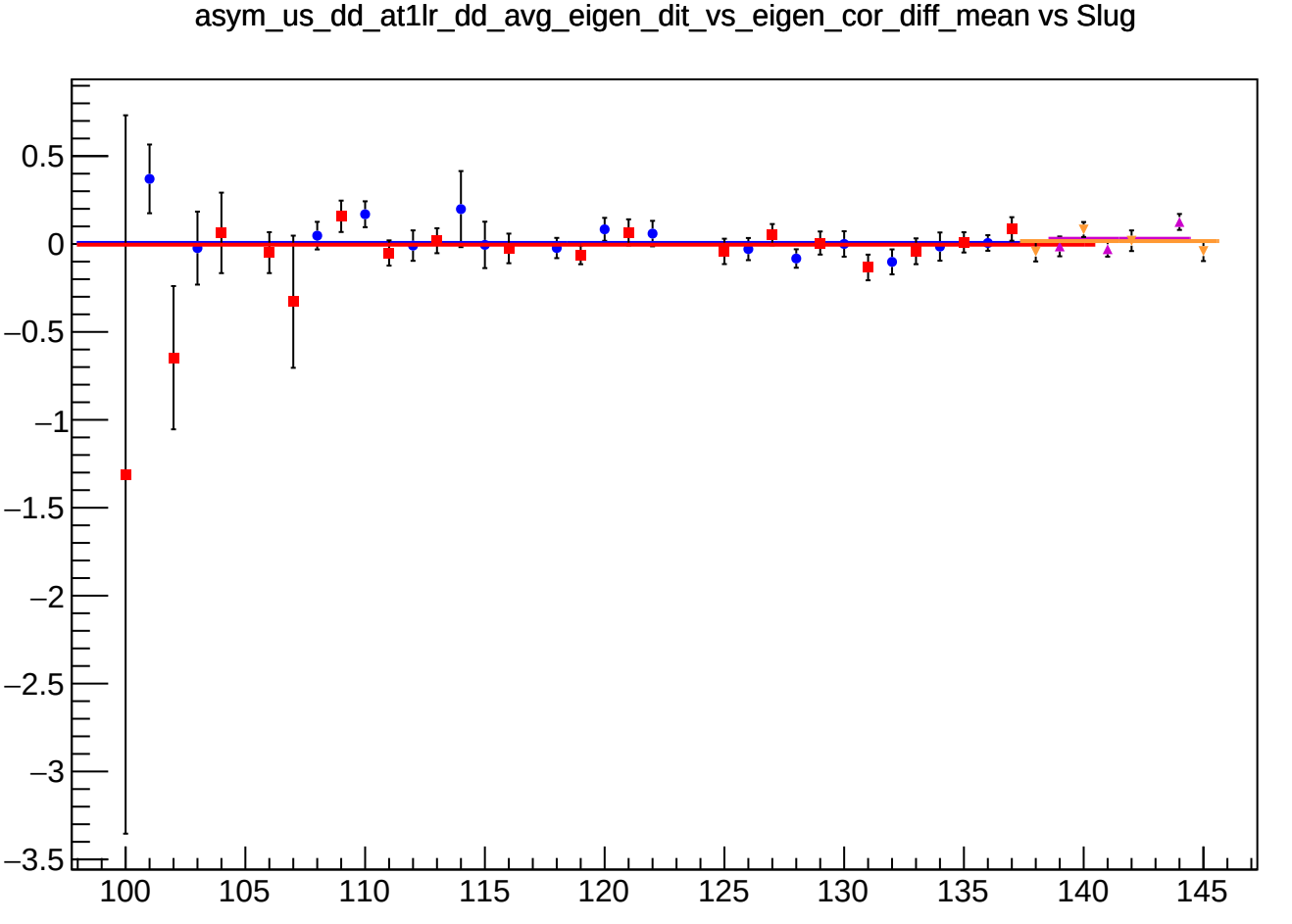
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.044+/-0.019 χ^2/NDF:52153.7/2

+ sign 41.216+/-0.011 χ^2/NDF: 1584243.0/19

All: 41.348+/-0.008 χ^2/NDF: 3078673.1/40

- sign 41.486+/-0.011 χ^2/NDF: 1494113.8/20



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.017+/-0.026 χ^2/NDF:4.5/3

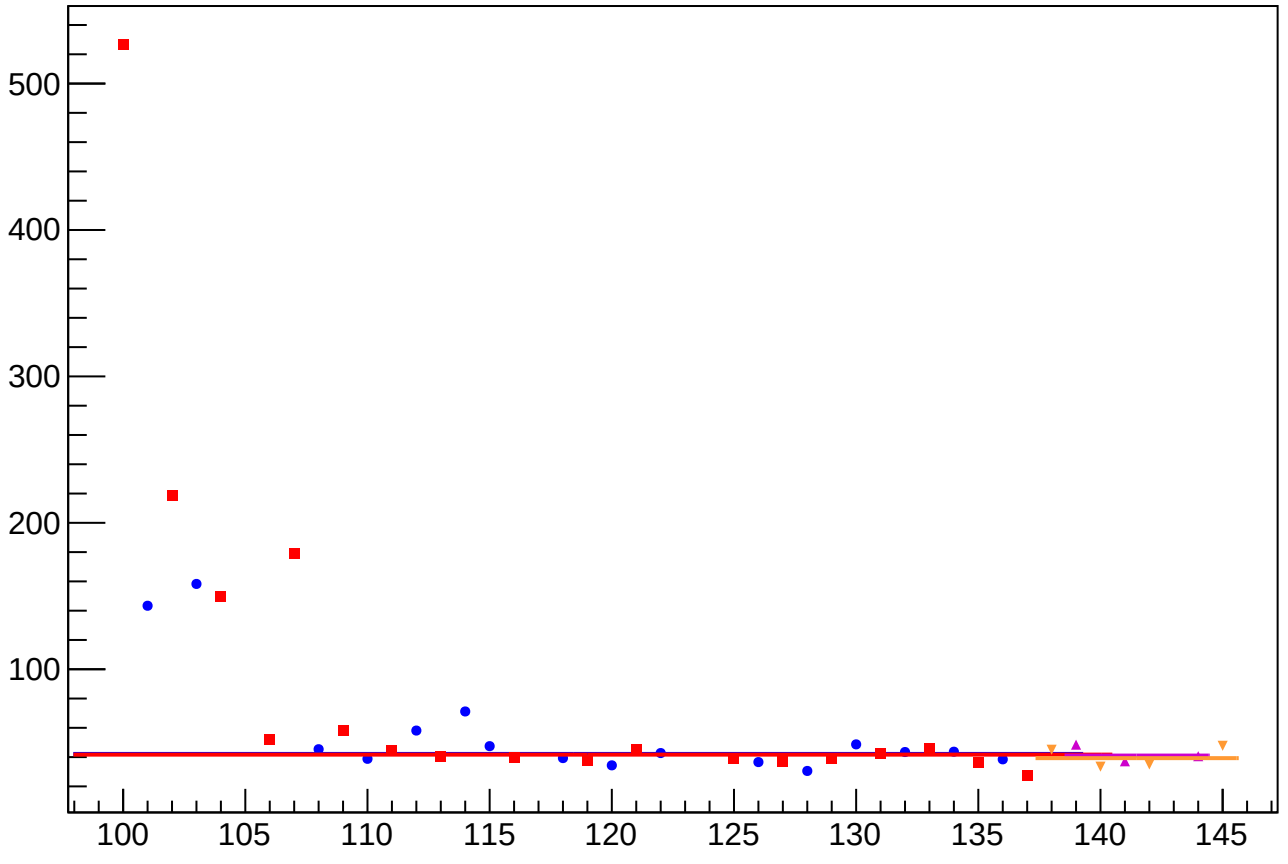
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.030+/-0.027 χ^2/NDF:7.0/2

+ sign 0.010+/-0.015 χ^2/NDF: 21.9/19

All: 0.008+/-0.011 χ^2/NDF: 46.2/40

- sign 0.007+/-0.015 χ^2/NDF: 24.3/20



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 39.289+/-0.018 χ^2/NDF:113326.7/3

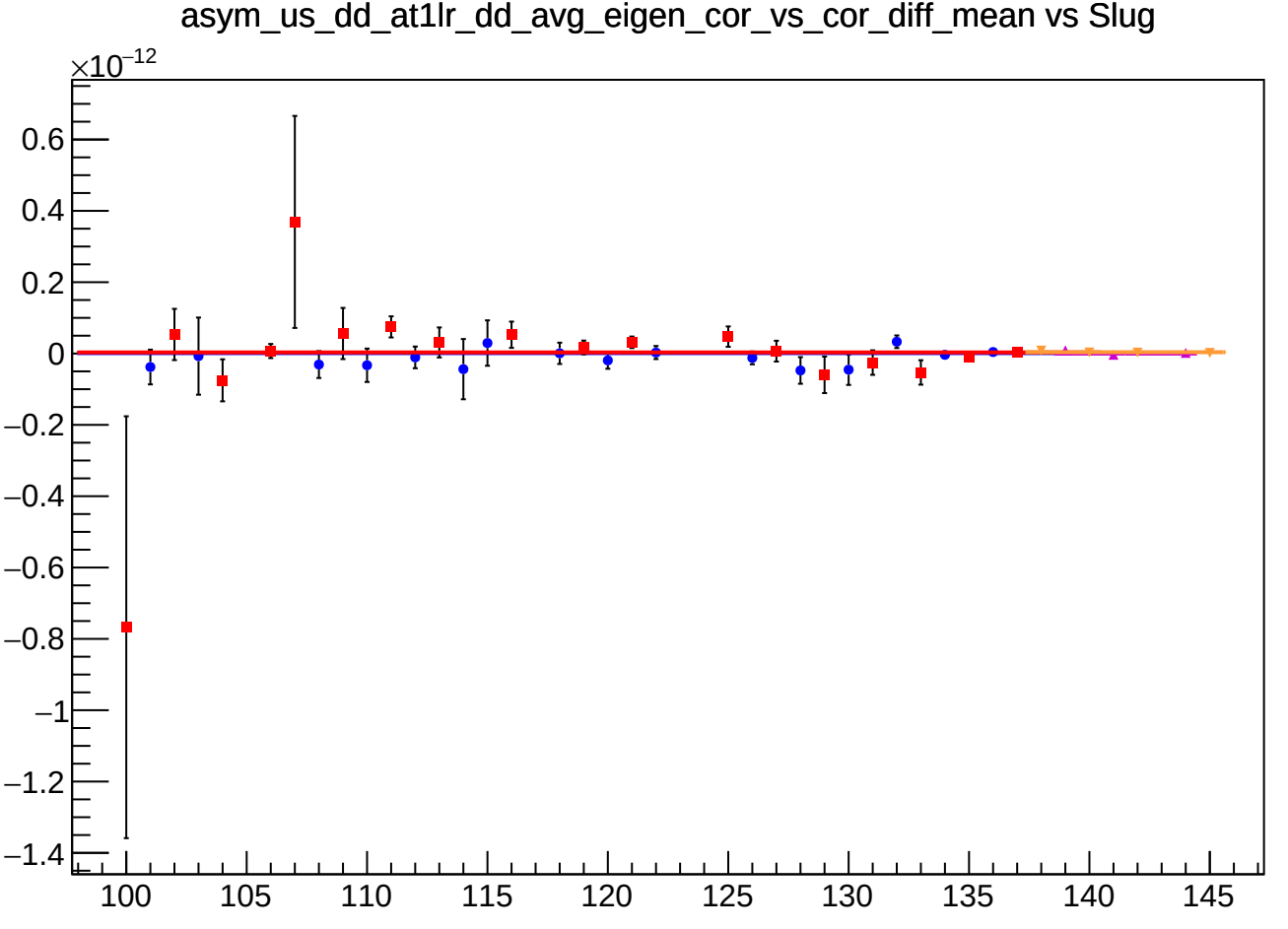
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

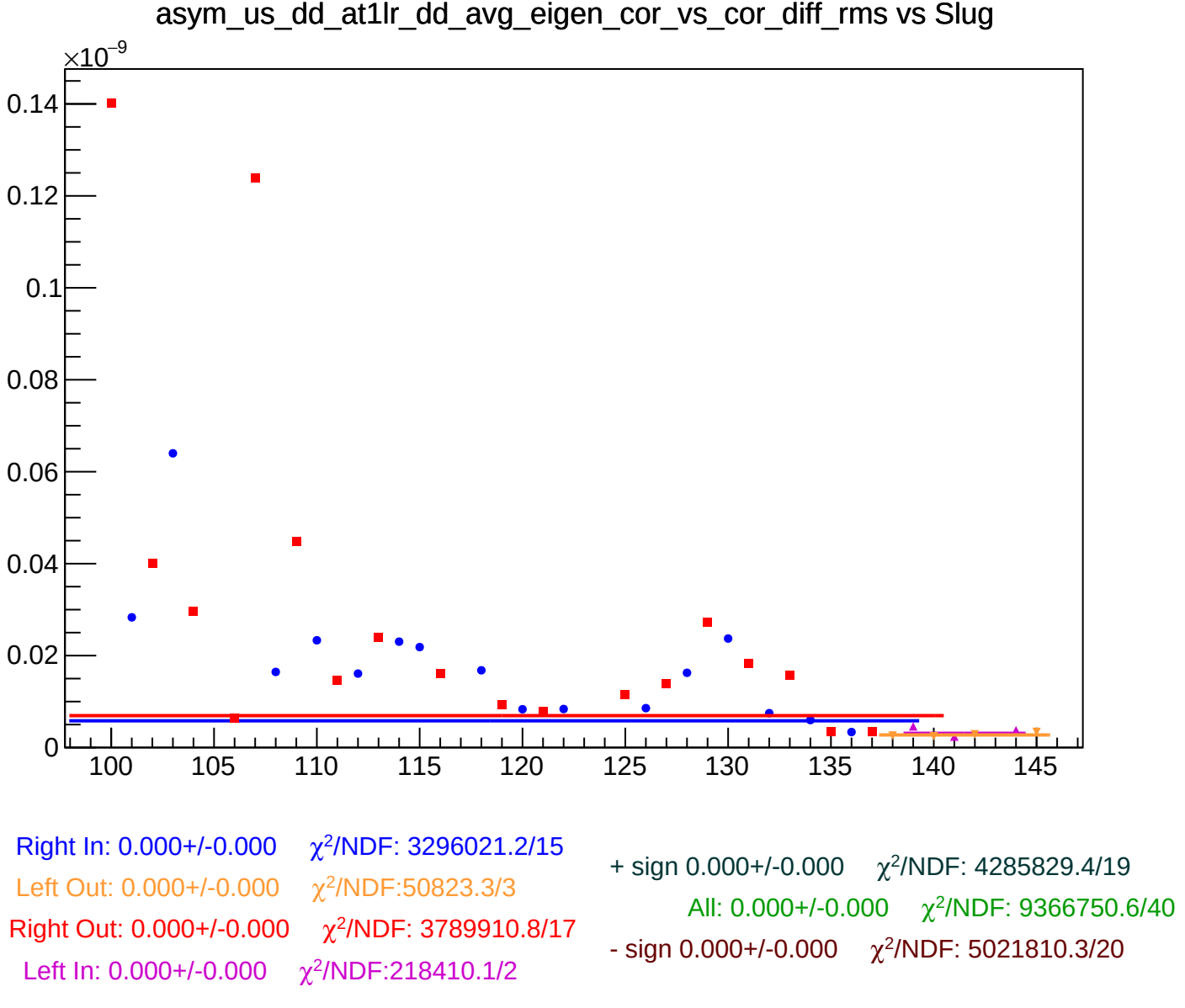
Left In: 41.044+/-0.019 χ^2/NDF:52153.7/2

+ sign 41.216+/-0.011 χ^2/NDF: 1584243.0/19

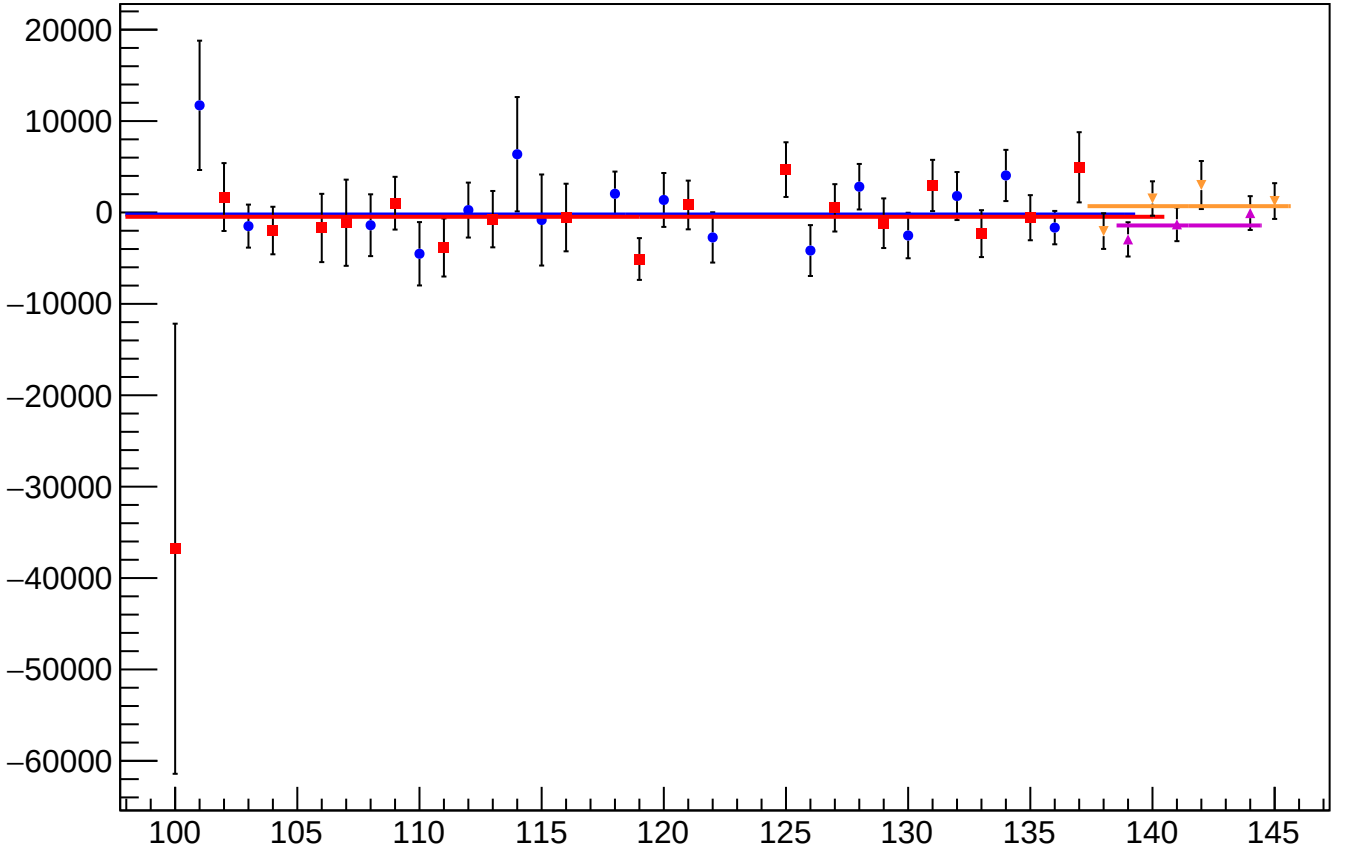
All: 41.348+/-0.008 χ^2/NDF: 3078673.1/40

- sign 41.486+/-0.011 χ^2/NDF: 1494113.8/20


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: -0.000+/-0.000 χ²/NDF:2.9/2
+ sign 0.000+/-0.000 χ²/NDF: 12.1/19
All: 0.000+/-0.000 χ²/NDF: 44.8/40
- sign 0.000+/-0.000 χ²/NDF: 32.0/20


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
105
110
115
120
125
130
135
140
145
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:218410.1/2
+ sign 0.000+/-0.000 χ²/NDF: 4285829.4/19
All: 0.000+/-0.000 χ²/NDF: 9366750.6/40
- sign 0.000+/-0.000 χ²/NDF: 5021810.3/20

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

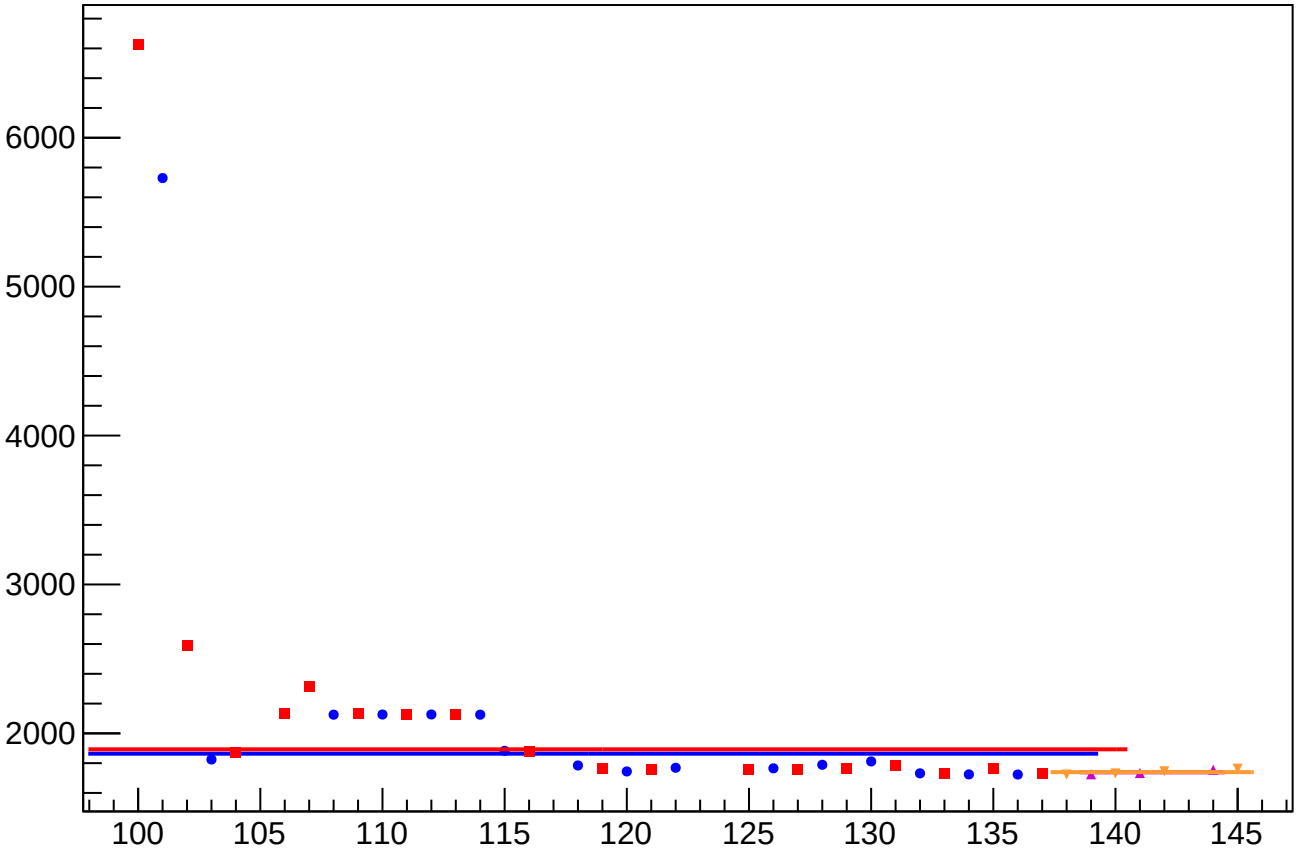
Left In: -1422.082+/-1071.492 χ^2/NDF:1.2/2

+ sign 72.005+/-583.290 χ^2/NDF: 19.4/19

All: -338.809+/-415.739 χ^2/NDF: 38.0/40

- sign -763.000+/-592.711 χ^2/NDF: 17.6/20

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

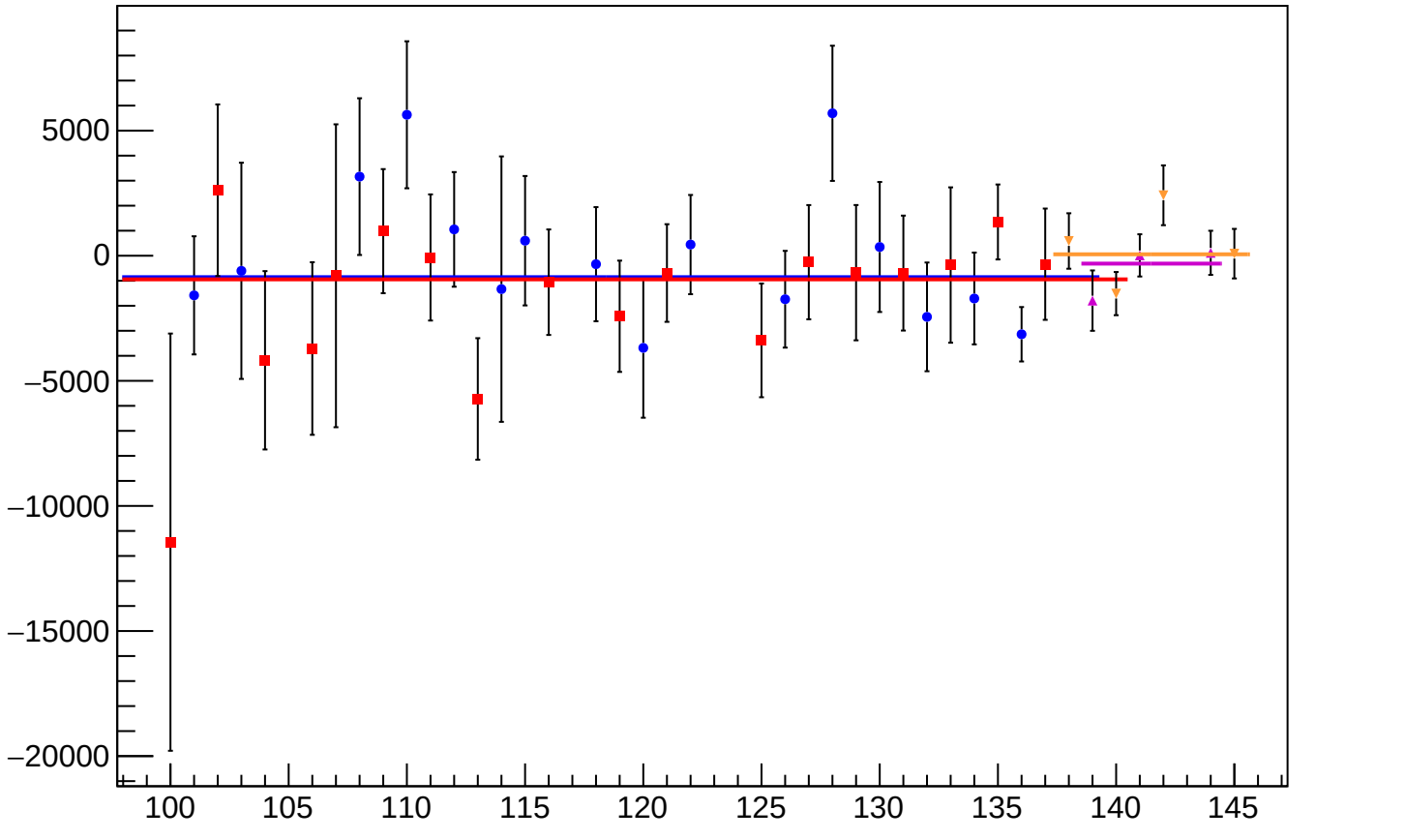
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1738.353+/-0.758 χ^2/NDF:291.5/2

+ sign 1823.496+/-0.412 χ^2/NDF: 694903.5/19

All: 1834.364+/-0.294 χ^2/NDF: 976982.7/40

- sign 1845.586+/-0.419 χ^2/NDF: 280667.8/20



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: 57.118+/-508.067 χ^2/NDF:7.4/3

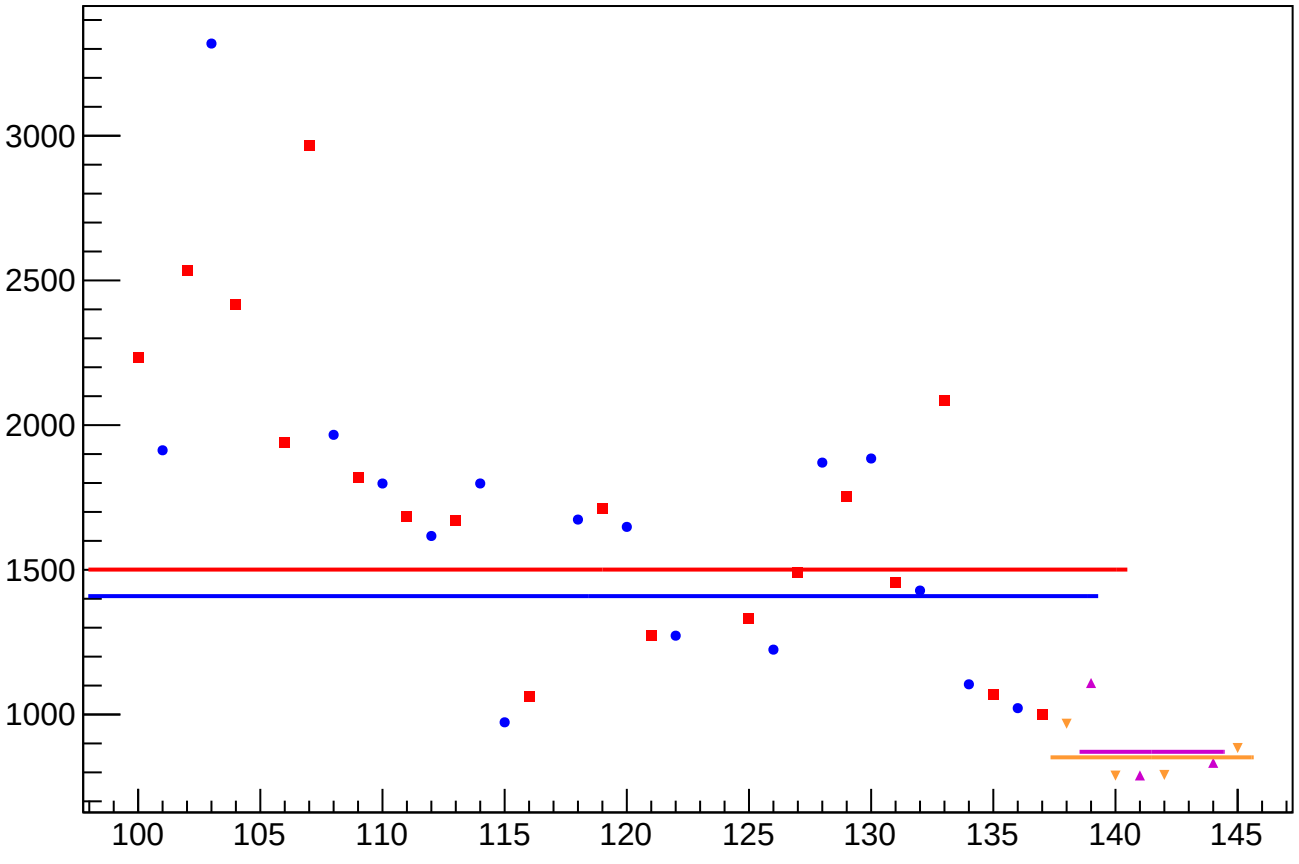
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -315.583+/-544.082 χ^2/NDF:1.9/2

\+ sign -364.077+/-373.137 χ^2/NDF: 29.5/19

All: -478.127+/-272.238 χ^2/NDF: 45.2/40

\- sign -607.933+/-398.078 χ^2/NDF: 15.4/20



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

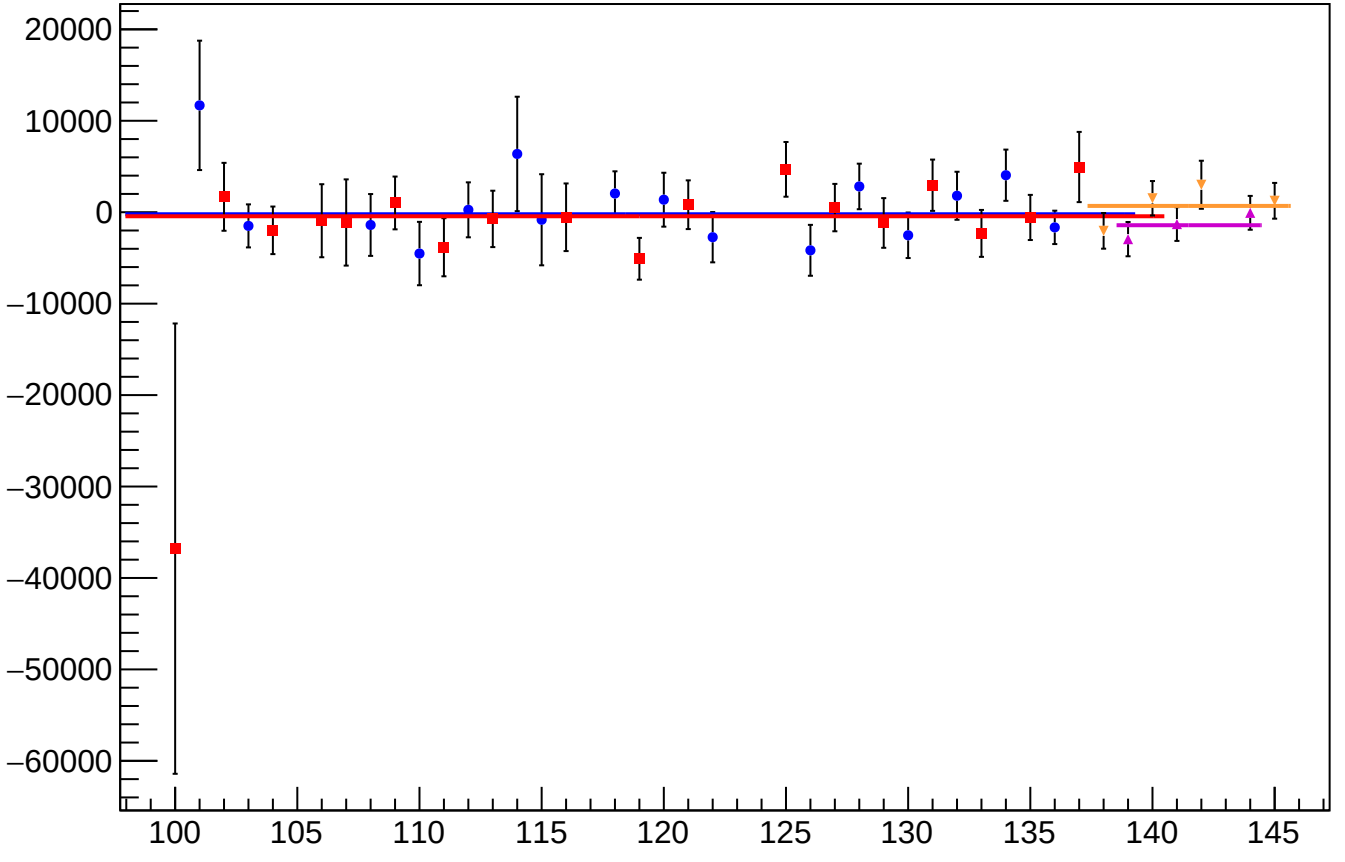
Left In: 871.091+/-0.385 χ^2/NDF:100175.8/2

+ sign 1108.589+/-0.264 χ^2/NDF: 2315404.1/19

All: 1134.368+/-0.193 χ^2/NDF: 4711682.3/40

- sign 1163.708+/-0.281 χ^2/NDF: 2375867.5/20

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

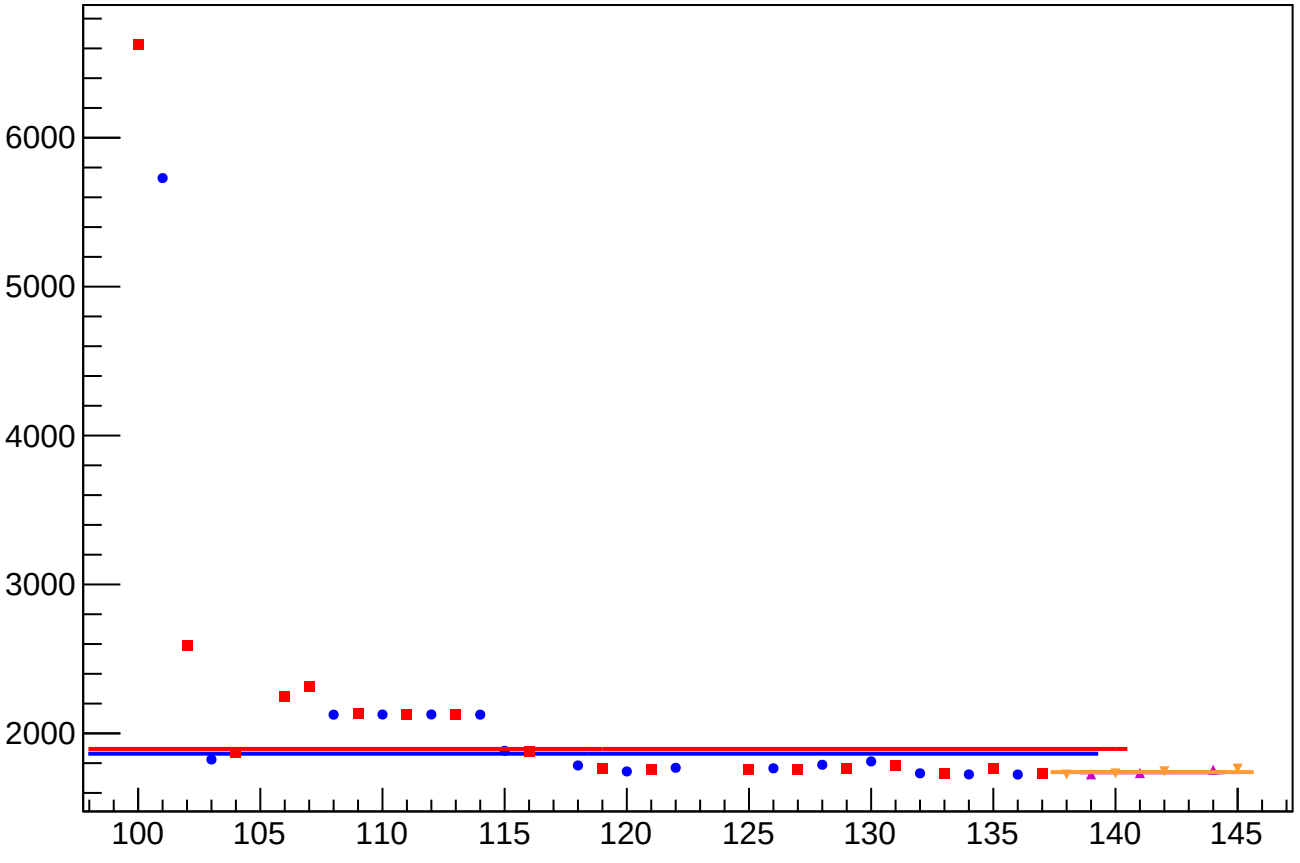
Left In: -1422.109+/-1071.492 χ^2/NDF:1.2/2

+ sign 71.521+/-583.290 χ^2/NDF: 19.4/19

All: -328.847+/-416.062 χ^2/NDF: 37.9/40

- sign -743.561+/-593.648 χ^2/NDF: 17.6/20

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

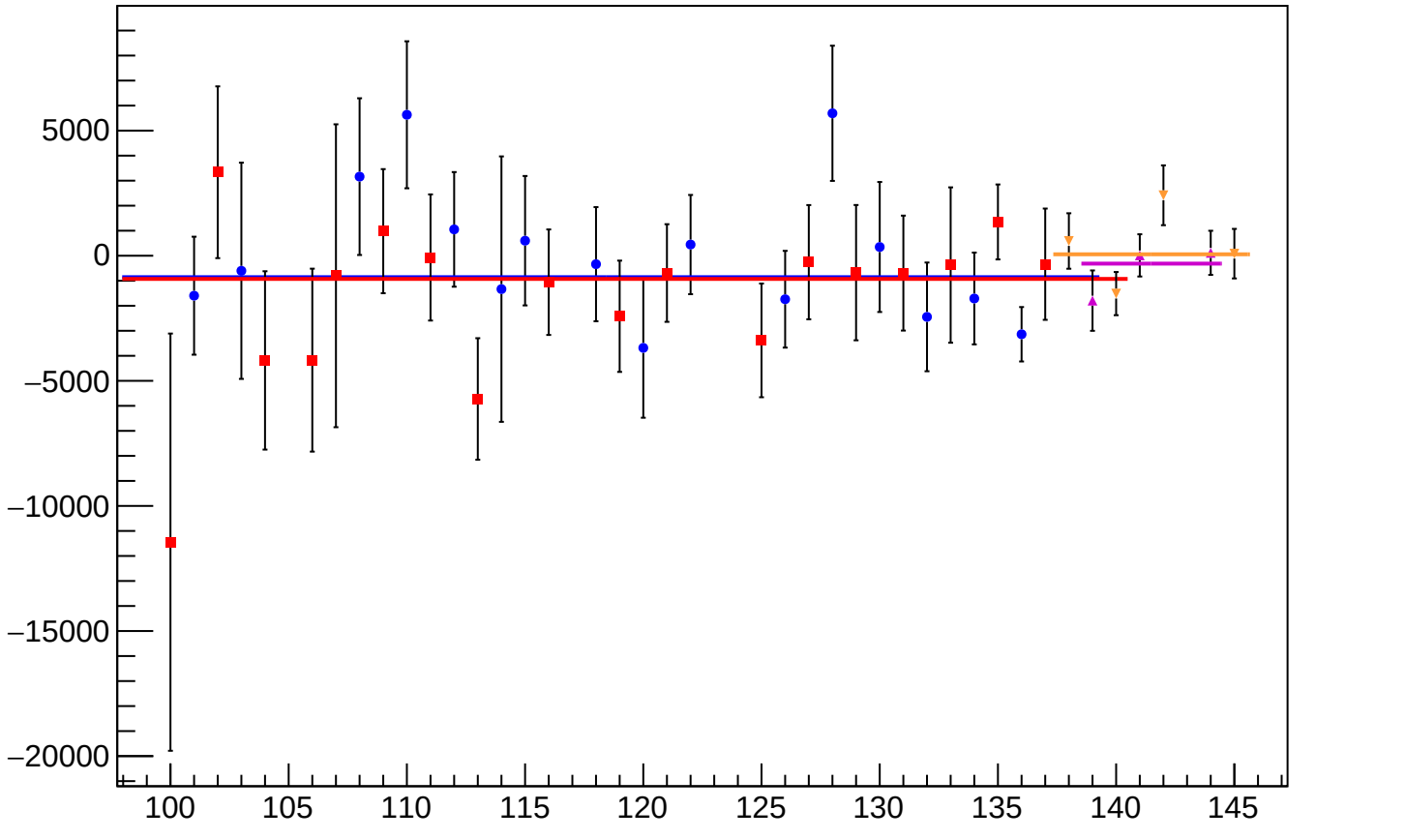
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1738.353+/-0.758 χ^2/NDF:291.5/2

+ sign 1823.496+/-0.412 χ^2/NDF: 694903.4/19

All: 1835.167+/-0.294 χ^2/NDF: 985807.8/40

- sign 1847.256+/-0.420 χ^2/NDF: 289274.3/20



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 57.092+/-508.070 χ^2/NDF:7.4/3

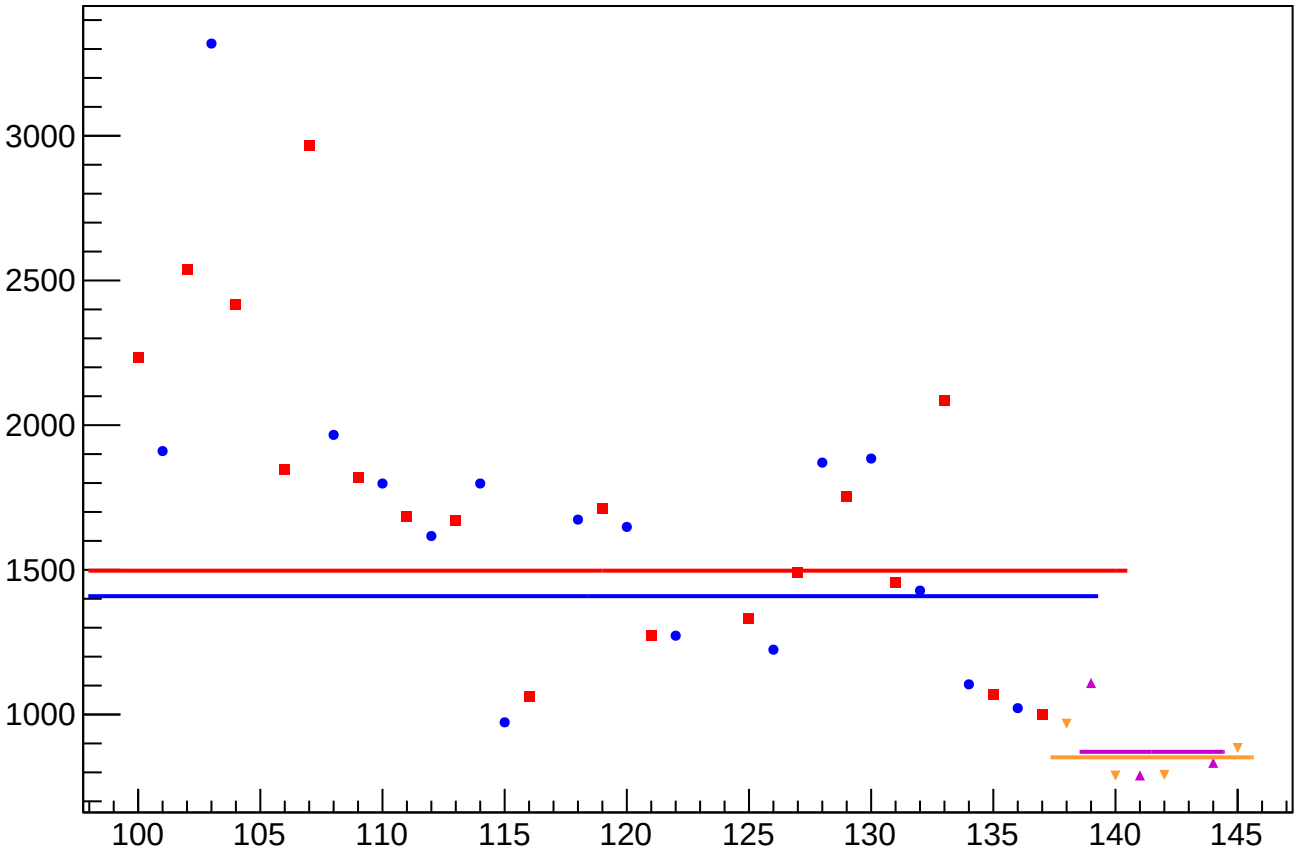
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -315.666+/-544.075 χ^2/NDF:1.9/2

\+ sign -364.508+/-373.125 χ^2/NDF: 29.5/19

All: -474.254+/-272.326 χ^2/NDF: 45.7/40

\- sign -599.351+/-398.366 χ^2/NDF: 16.0/20



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

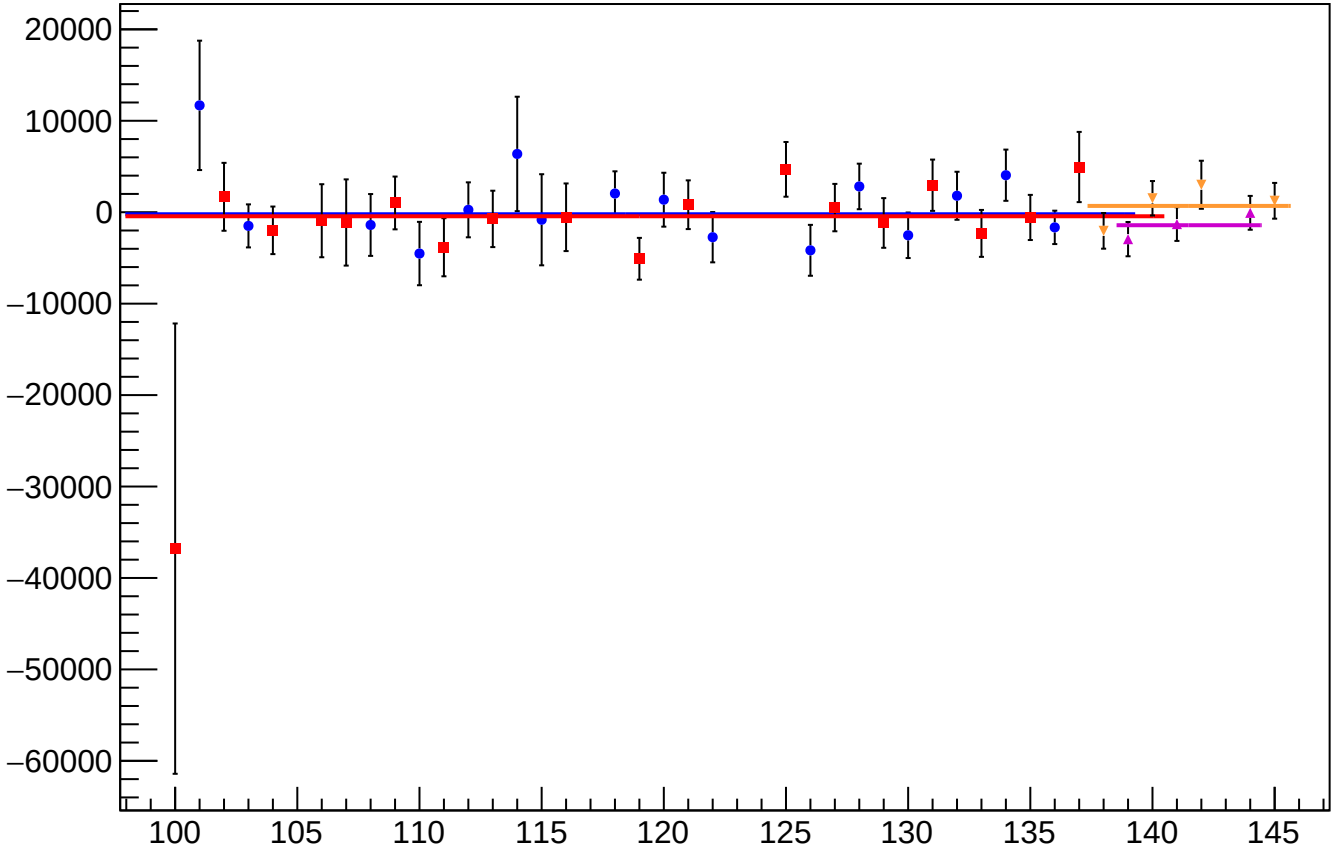
Left In: 871.080+/-0.385 χ^2/NDF:100177.4/2

+ sign 1108.580+/-0.264 χ^2/NDF: 2314501.3/19

All: 1133.316+/-0.193 χ^2/NDF: 4680120.3/40

- sign 1161.512+/-0.282 χ^2/NDF: 2346810.1/20

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

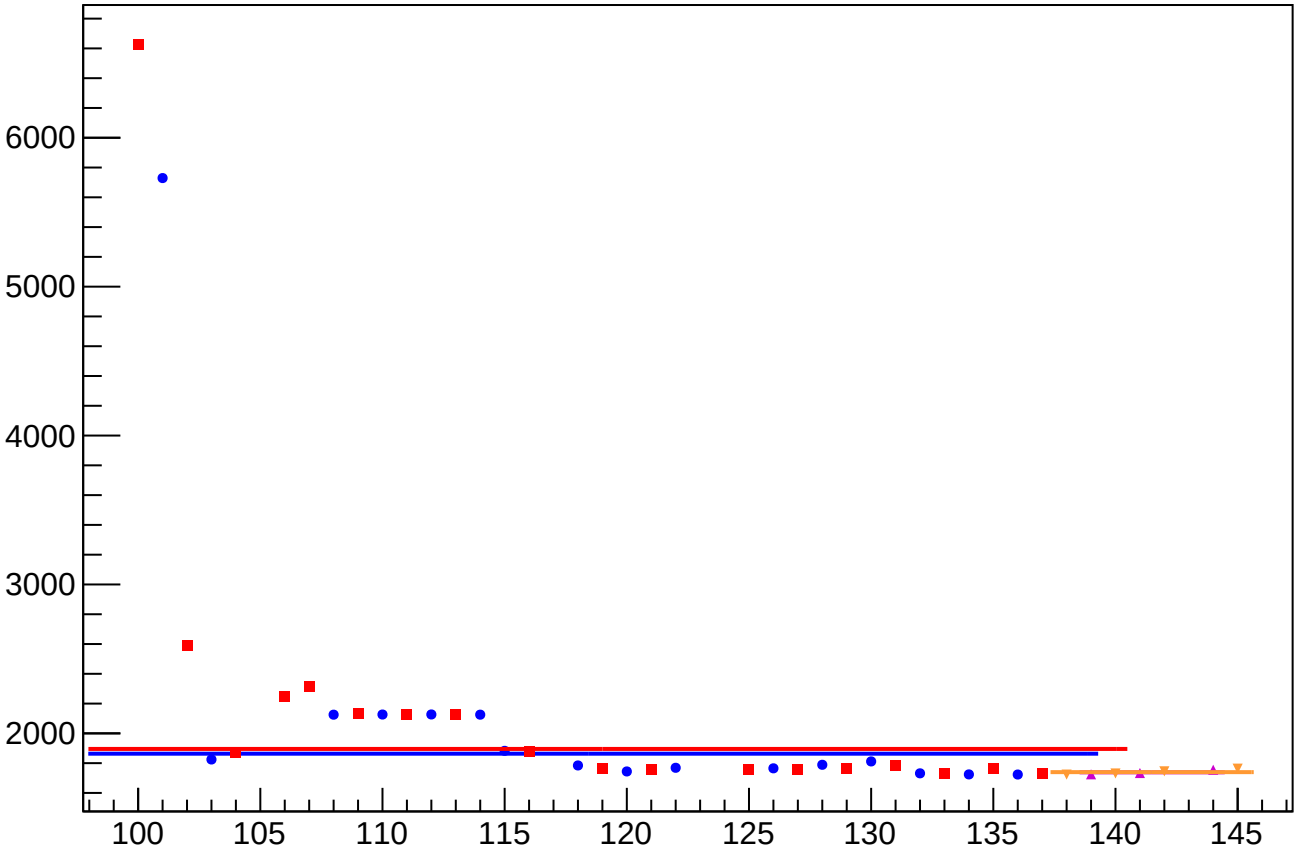
Left In: -1422.109+/-1071.492 χ^2/NDF:1.2/2

+ sign 71.521+/-583.290 χ^2/NDF: 19.4/19

All: -328.847+/-416.062 χ^2/NDF: 37.9/40

- sign -743.561+/-593.648 χ^2/NDF: 17.6/20

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

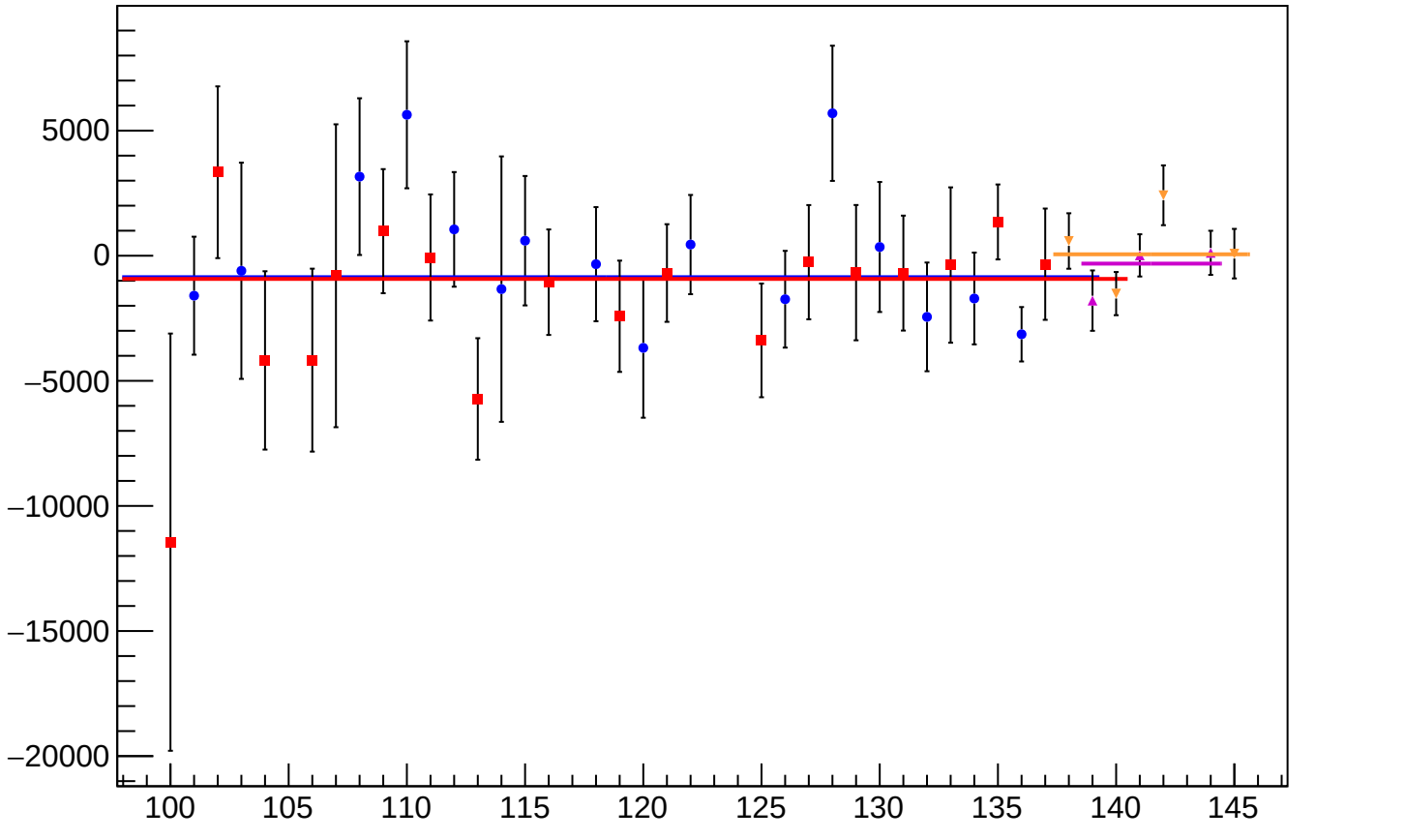
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1738.353+/-0.758 χ^2/NDF:291.5/2

+ sign 1823.496+/-0.412 χ^2/NDF: 694903.4/19

All: 1835.167+/-0.294 χ^2/NDF: 985807.8/40

- sign 1847.256+/-0.420 χ^2/NDF: 289274.3/20



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 57.092+/-508.070 χ^2/NDF:7.4/3

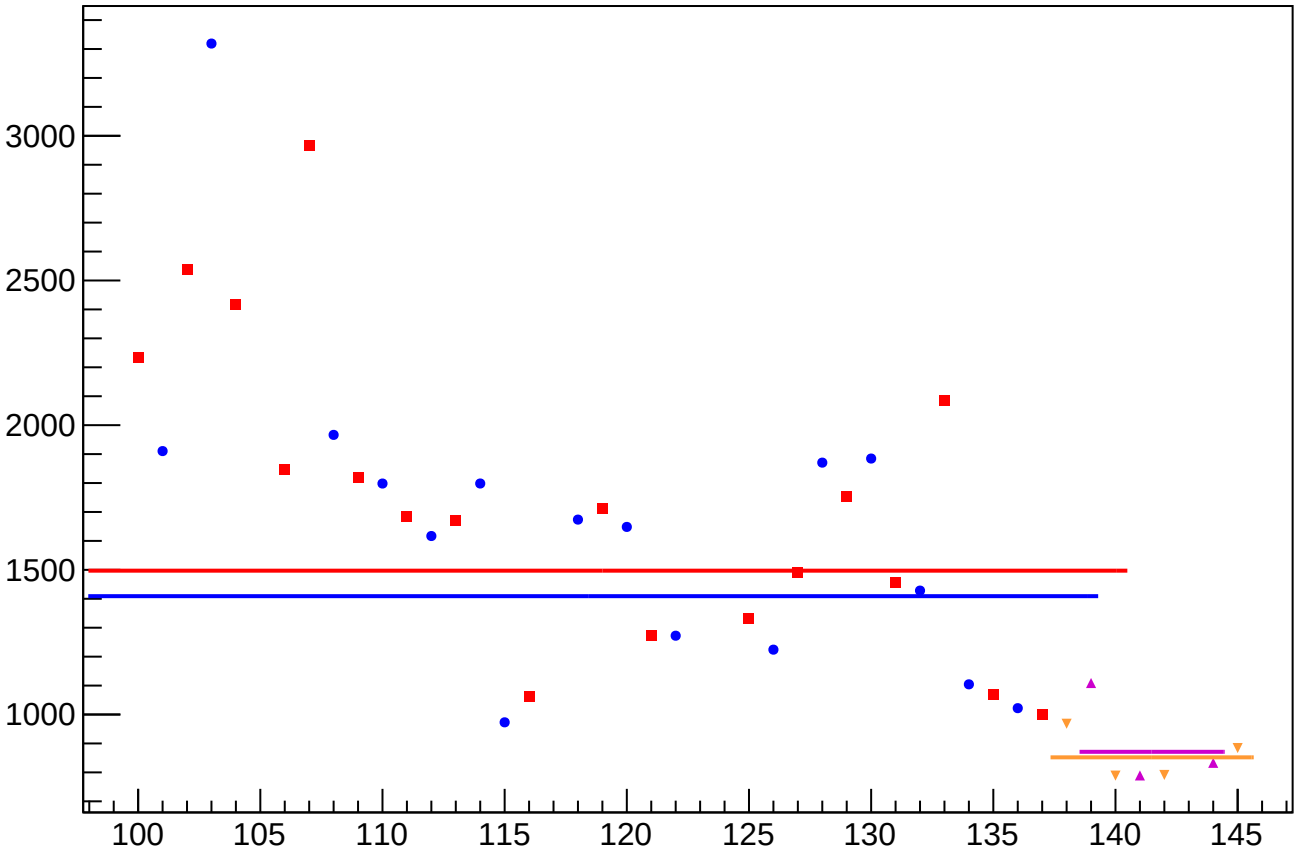
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -315.666+/-544.075 χ^2/NDF:1.9/2

\+ sign -364.508+/-373.125 χ^2/NDF: 29.5/19

All: -474.254+/-272.326 χ^2/NDF: 45.7/40

\- sign -599.351+/-398.366 χ^2/NDF: 16.0/20



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

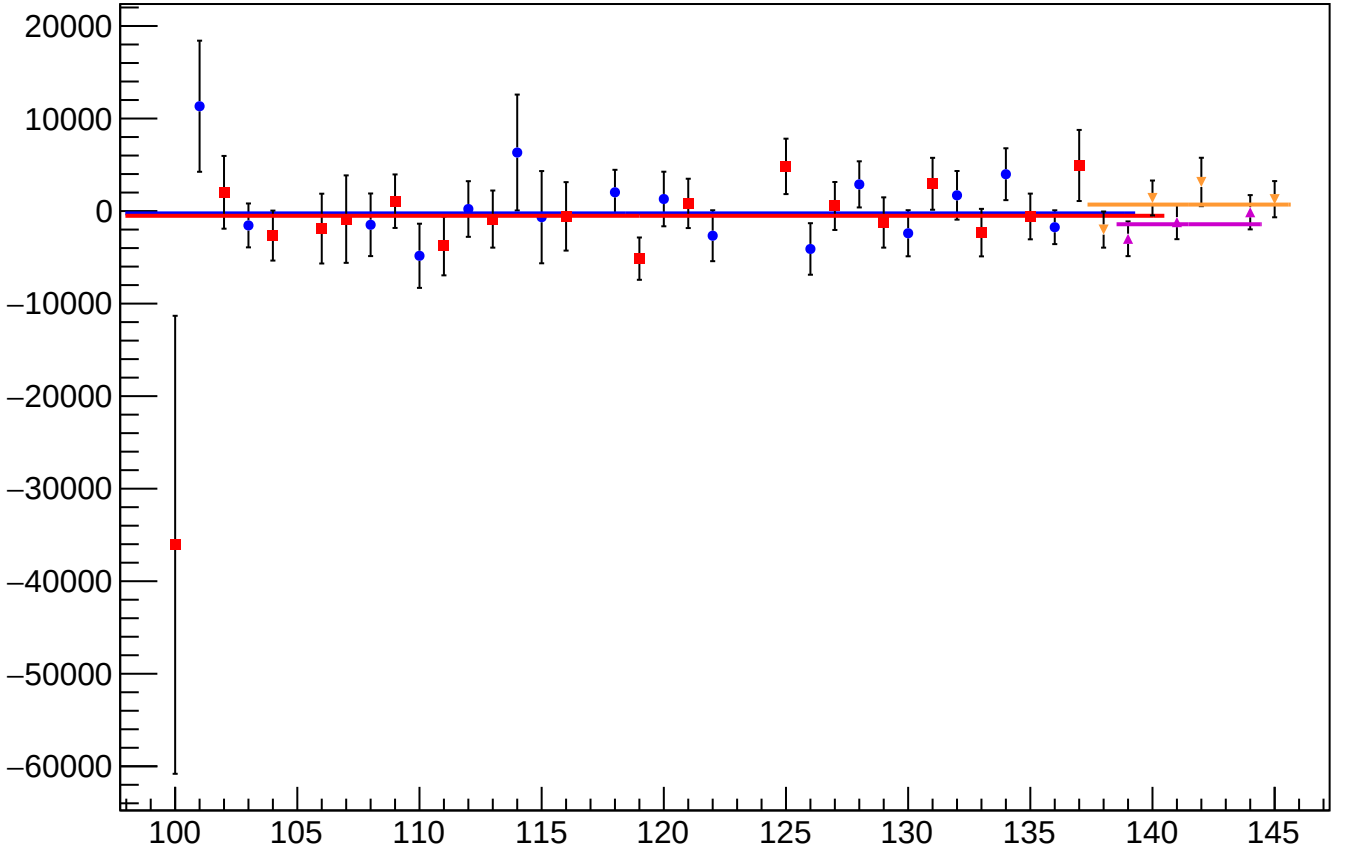
Left In: 871.080+/-0.385 χ^2/NDF:100177.4/2

+ sign 1108.580+/-0.264 χ^2/NDF: 2314501.3/19

All: 1133.316+/-0.193 χ^2/NDF: 4680120.3/40

- sign 1161.512+/-0.282 χ^2/NDF: 2346810.1/20

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

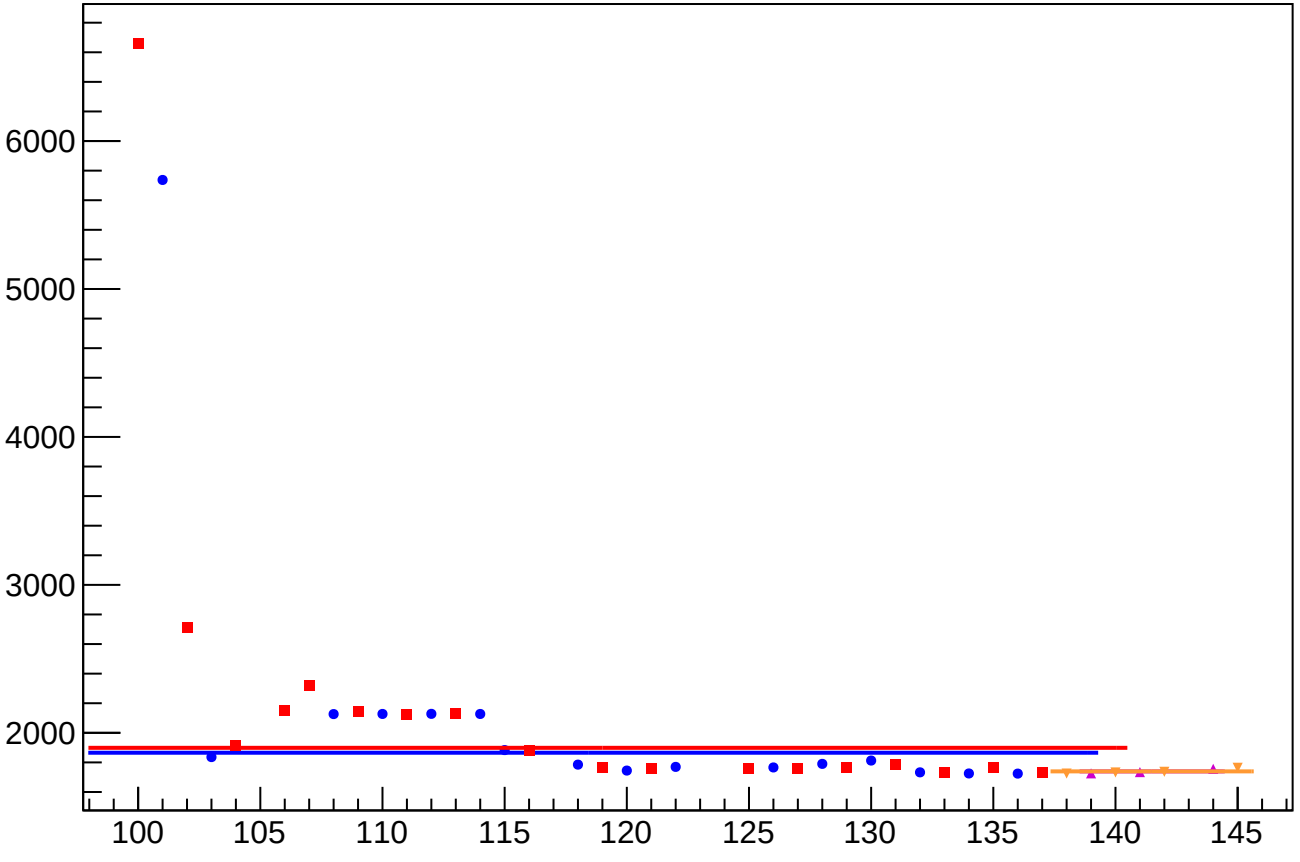
Left In: -1424.216+/-1072.008 χ^2/NDF:1.2/2

+ sign 56.934+/-583.736 χ^2/NDF: 19.3/19

All: -359.261+/-416.719 χ^2/NDF: 38.4/40

- sign -791.798+/-595.086 χ^2/NDF: 18.1/20

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

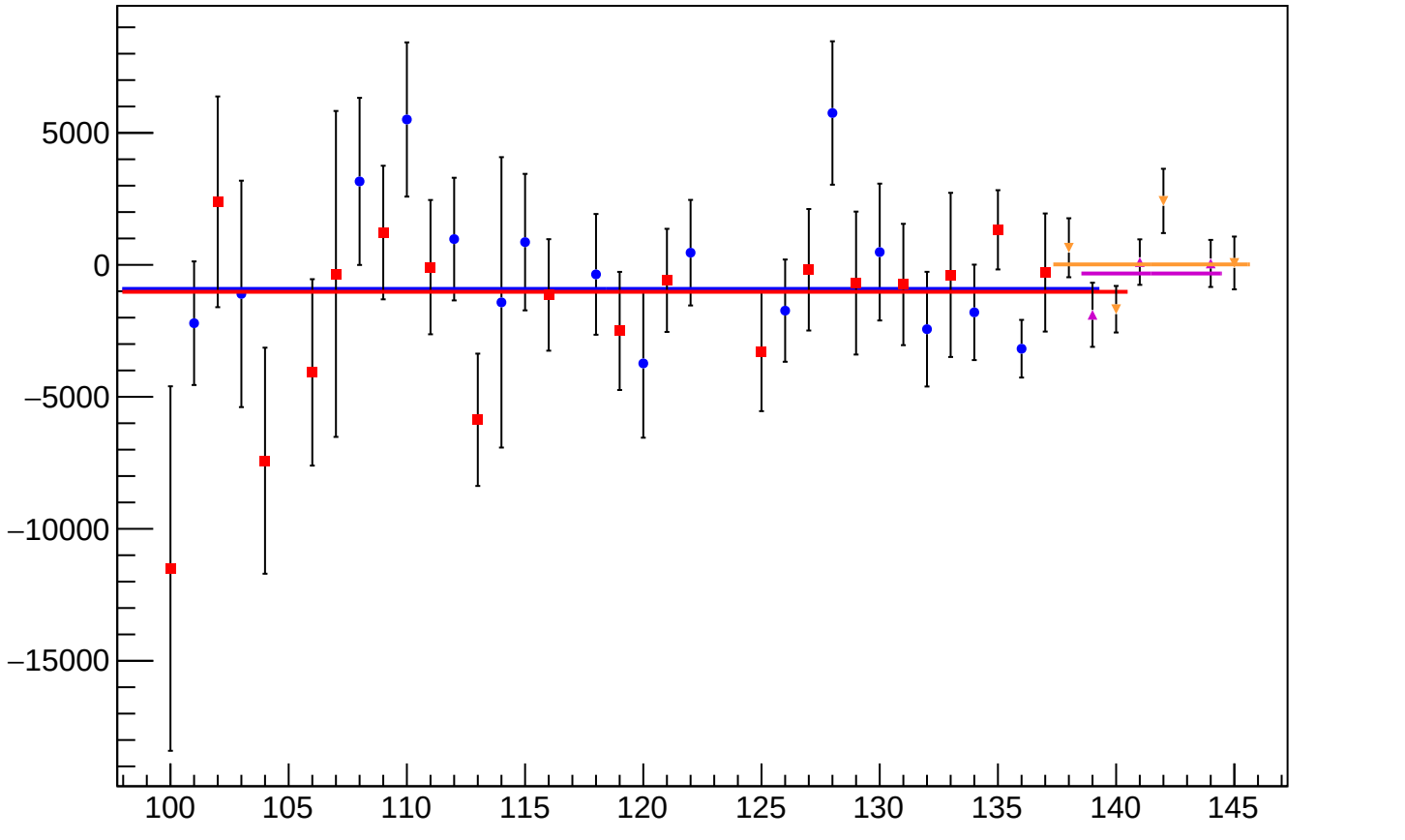
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1739.190+/-0.758 χ^2/NDF:291.5/2

+ sign 1824.598+/-0.413 χ^2/NDF: 695873.1/19

All: 1836.799+/-0.295 χ^2/NDF: 997654.7/40

- sign 1849.480+/-0.421 χ^2/NDF: 299999.7/20



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: 17.191+/-515.674 χ^2/NDF:7.9/3

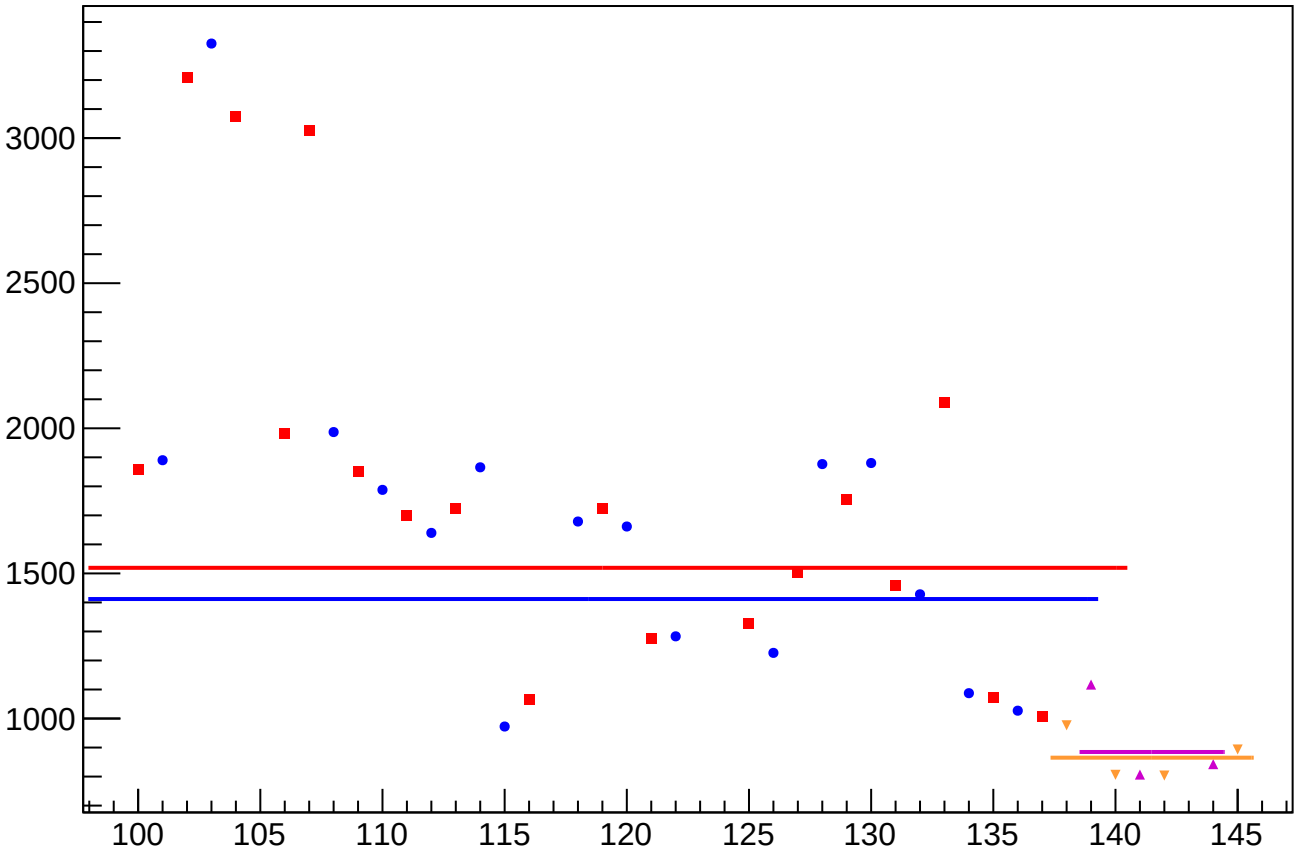
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -326.948+/-552.017 χ^2/NDF:2.1/2

\+ sign -416.315+/-376.454 χ^2/NDF: 30.4/19

All: -524.835+/-275.291 χ^2/NDF: 48.4/40

\- sign -649.572+/-403.603 χ^2/NDF: 17.8/20



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

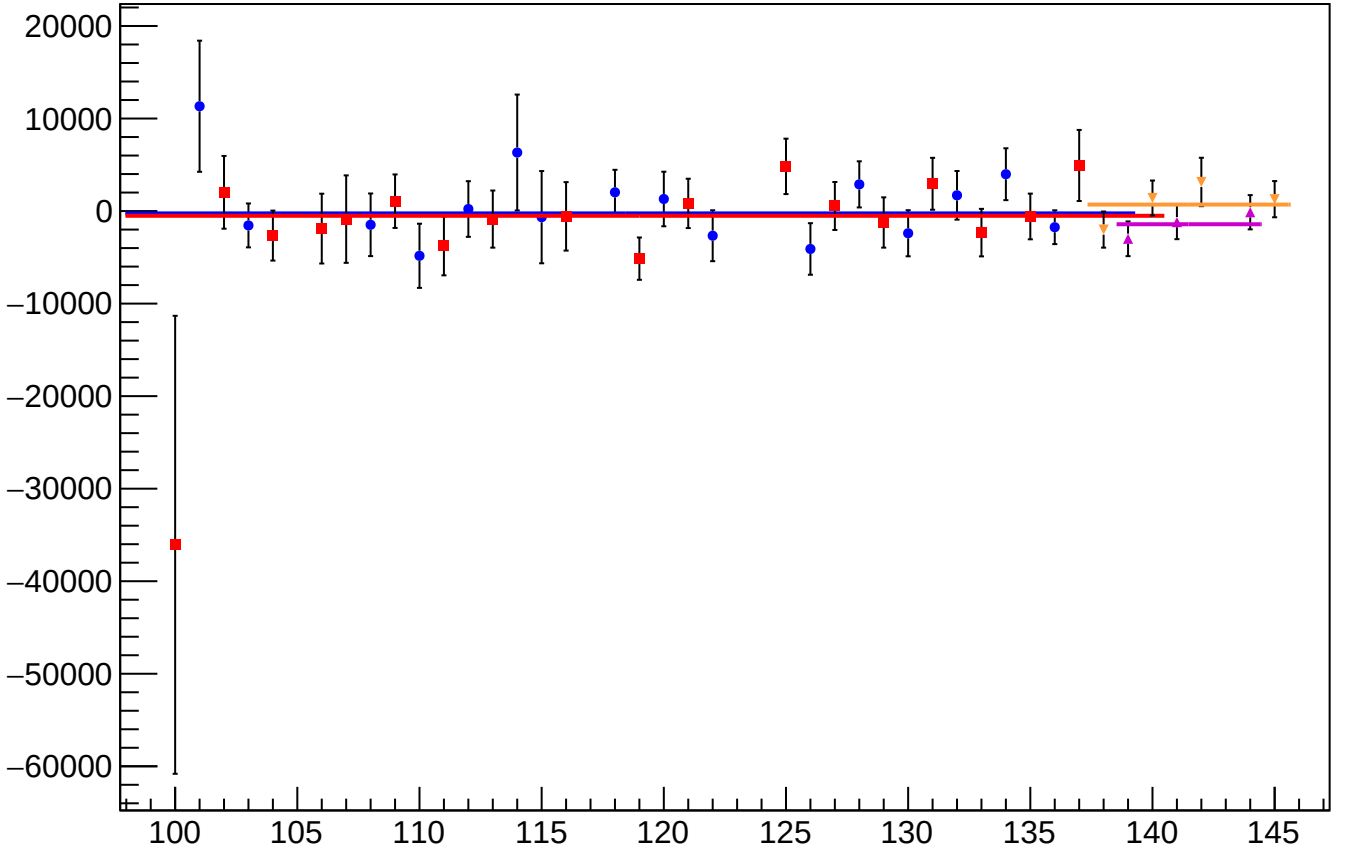
Left In: 884.737+/-0.390 χ^2/NDF:93842.3/2

+ sign 1120.426+/-0.266 χ^2/NDF: 2263014.5/19

All: 1148.181+/-0.195 χ^2/NDF: 4970455.1/40

- sign 1180.083+/-0.285 χ^2/NDF: 2684073.5/20

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

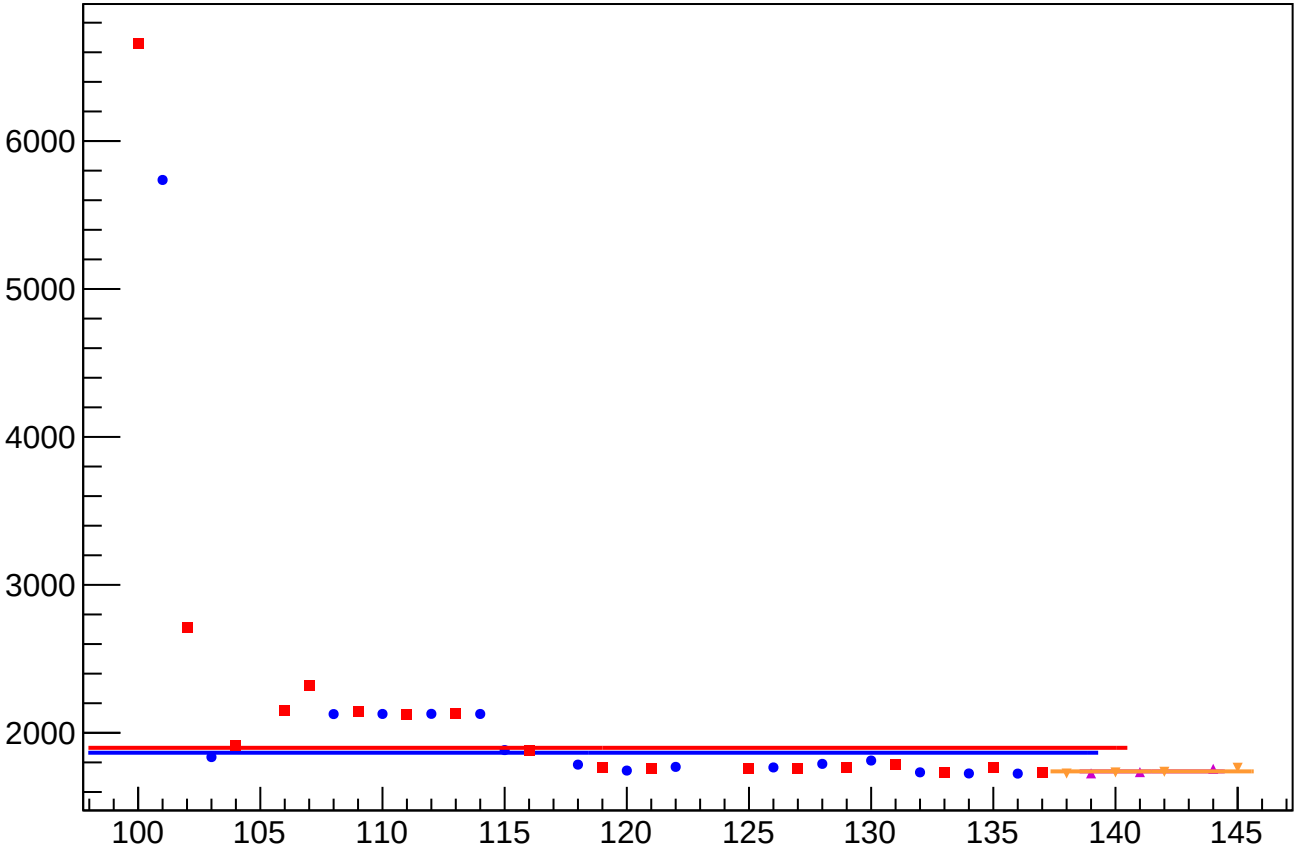
Left In: -1424.219+/-1072.008 χ^2/NDF:1.2/2

+ sign 56.934+/-583.736 χ^2/NDF: 19.3/19

All: -359.261+/-416.719 χ^2/NDF: 38.4/40

- sign -791.799+/-595.086 χ^2/NDF: 18.1/20

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

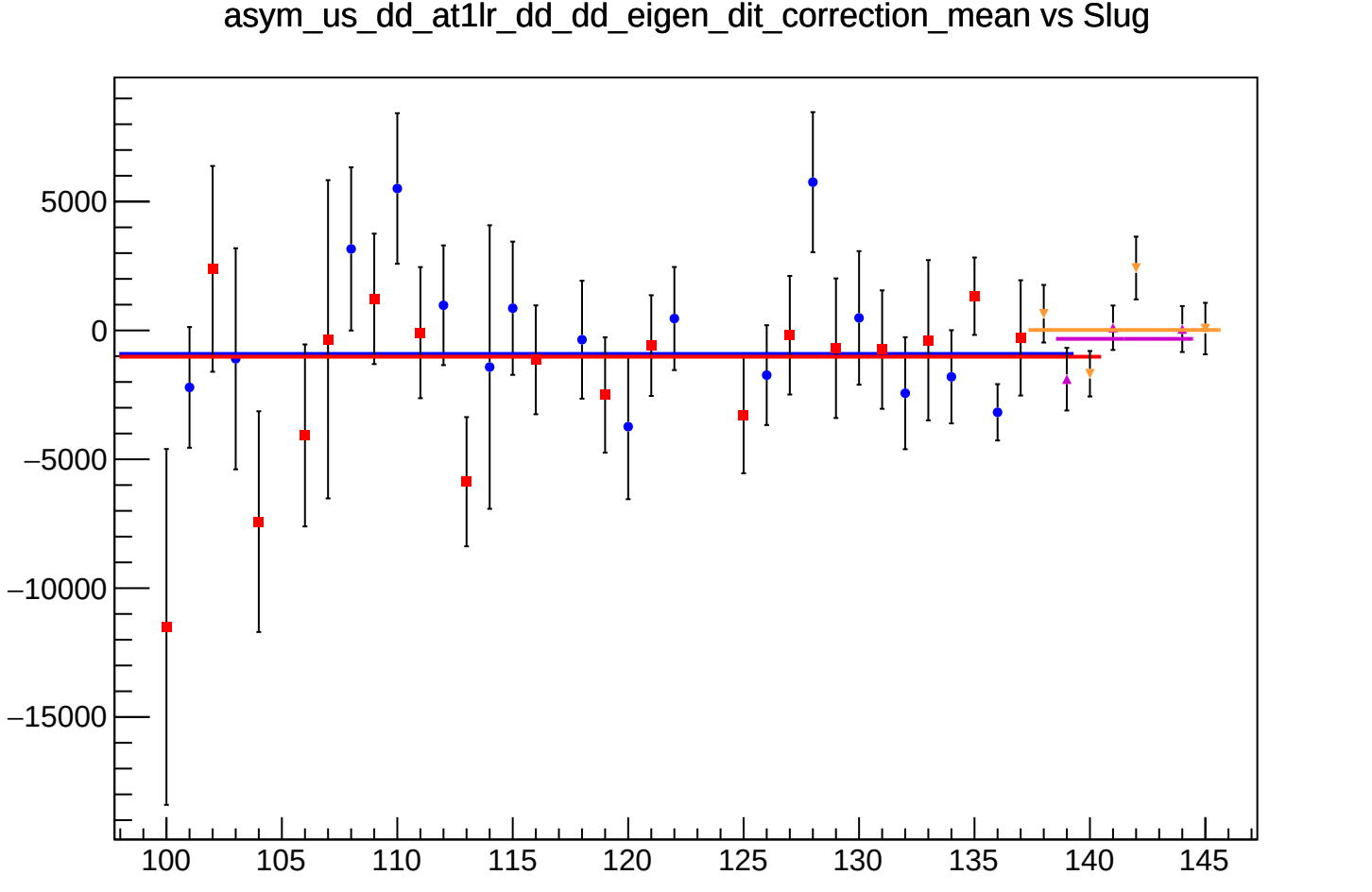
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1739.190+/-0.758 χ^2/NDF:291.5/2

+ sign 1824.598+/-0.413 χ^2/NDF: 695873.1/19

All: 1836.799+/-0.295 χ^2/NDF: 997654.4/40

- sign 1849.480+/-0.421 χ^2/NDF: 299999.4/20



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: 17.186+/-515.673 χ^2/NDF:7.9/3

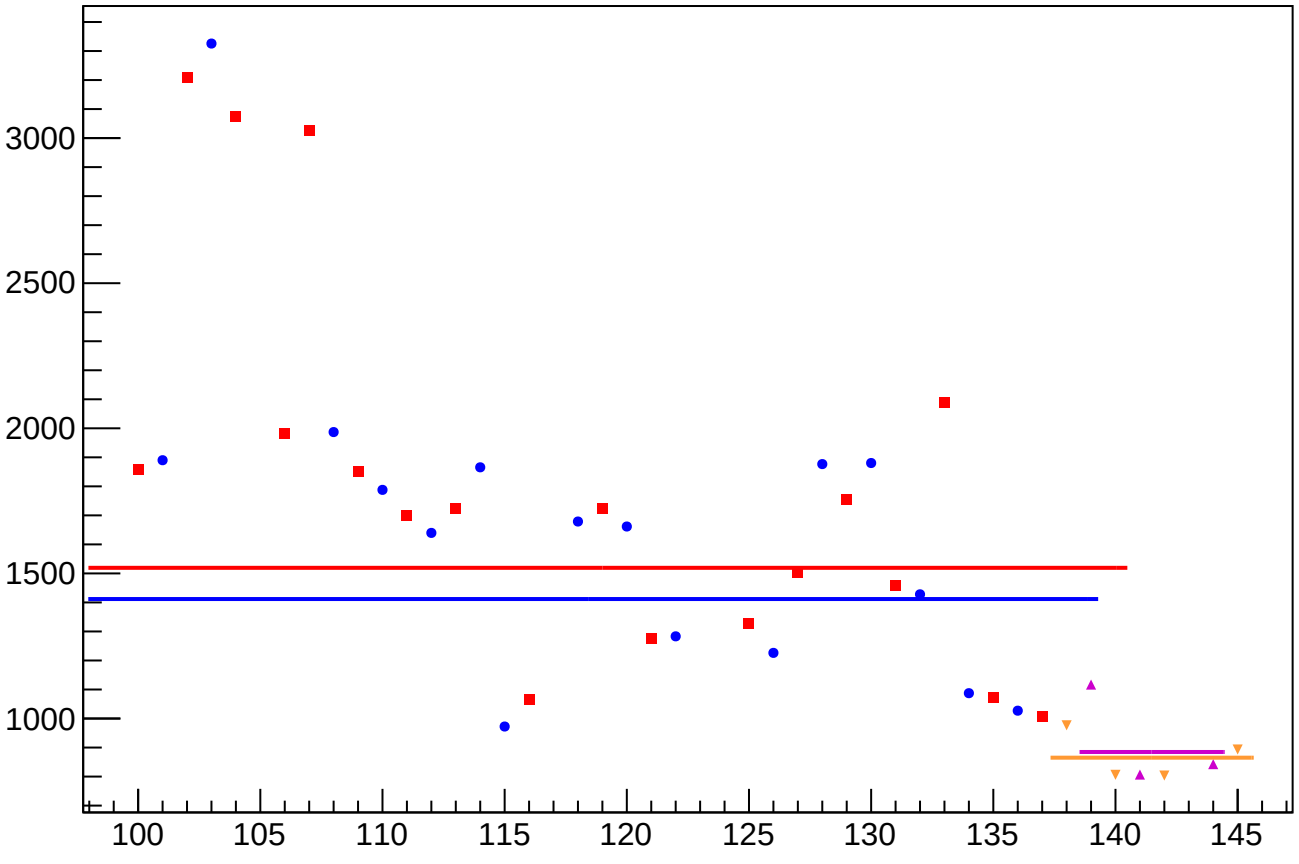
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -326.946+/-552.016 χ^2/NDF:2.1/2

\+ sign -416.315+/-376.453 χ^2/NDF: 30.4/19

All: -524.834+/-275.291 χ^2/NDF: 48.4/40

\- sign -649.571+/-403.603 χ^2/NDF: 17.8/20



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 865.108+/-0.365 χ^2/NDF:35588.2/3

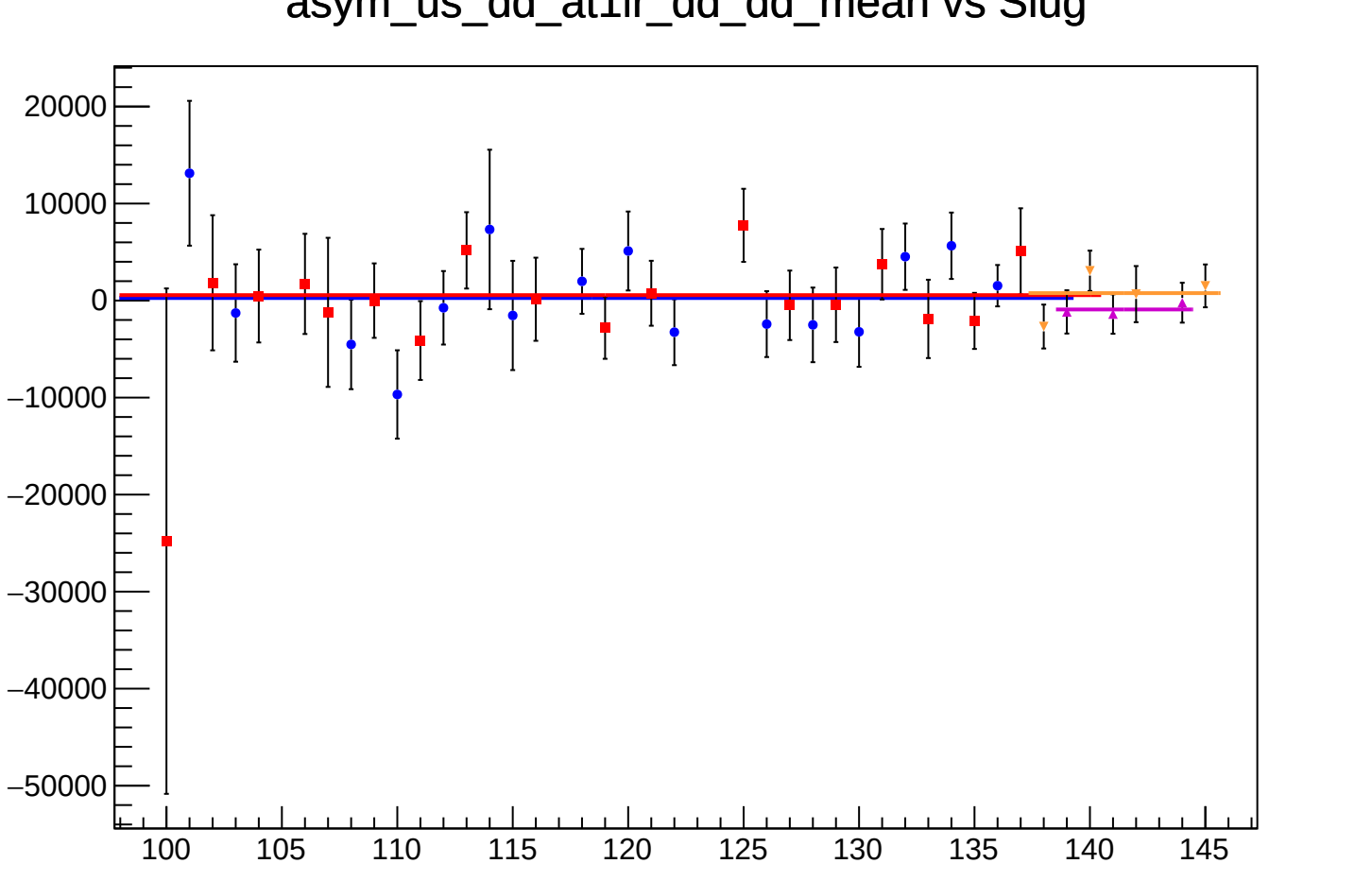
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 884.736+/-0.390 χ^2/NDF:93845.7/2

+ sign 1120.424+/-0.266 χ^2/NDF: 2263017.3/19

All: 1148.179+/-0.195 χ^2/NDF: 4970463.8/40

- sign 1180.082+/-0.285 χ^2/NDF: 2684078.5/20



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

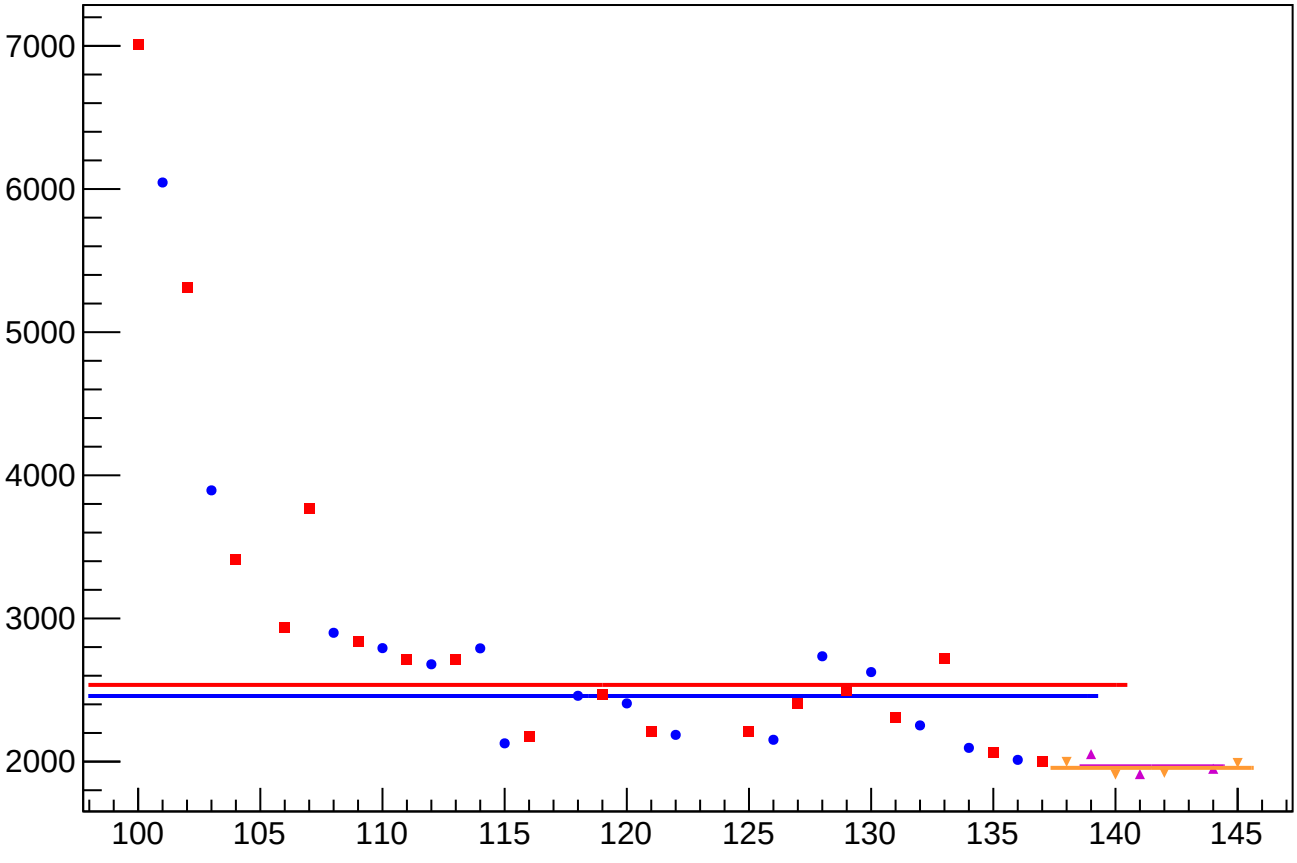
Left In: -916.328+/-1213.100 χ^2/NDF:0.2/2

+ sign 465.631+/-729.701 χ^2/NDF: 22.8/19

All: 235.636+/-524.428 χ^2/NDF: 35.8/40

- sign -10.070+/-754.212 χ^2/NDF: 12.8/20

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

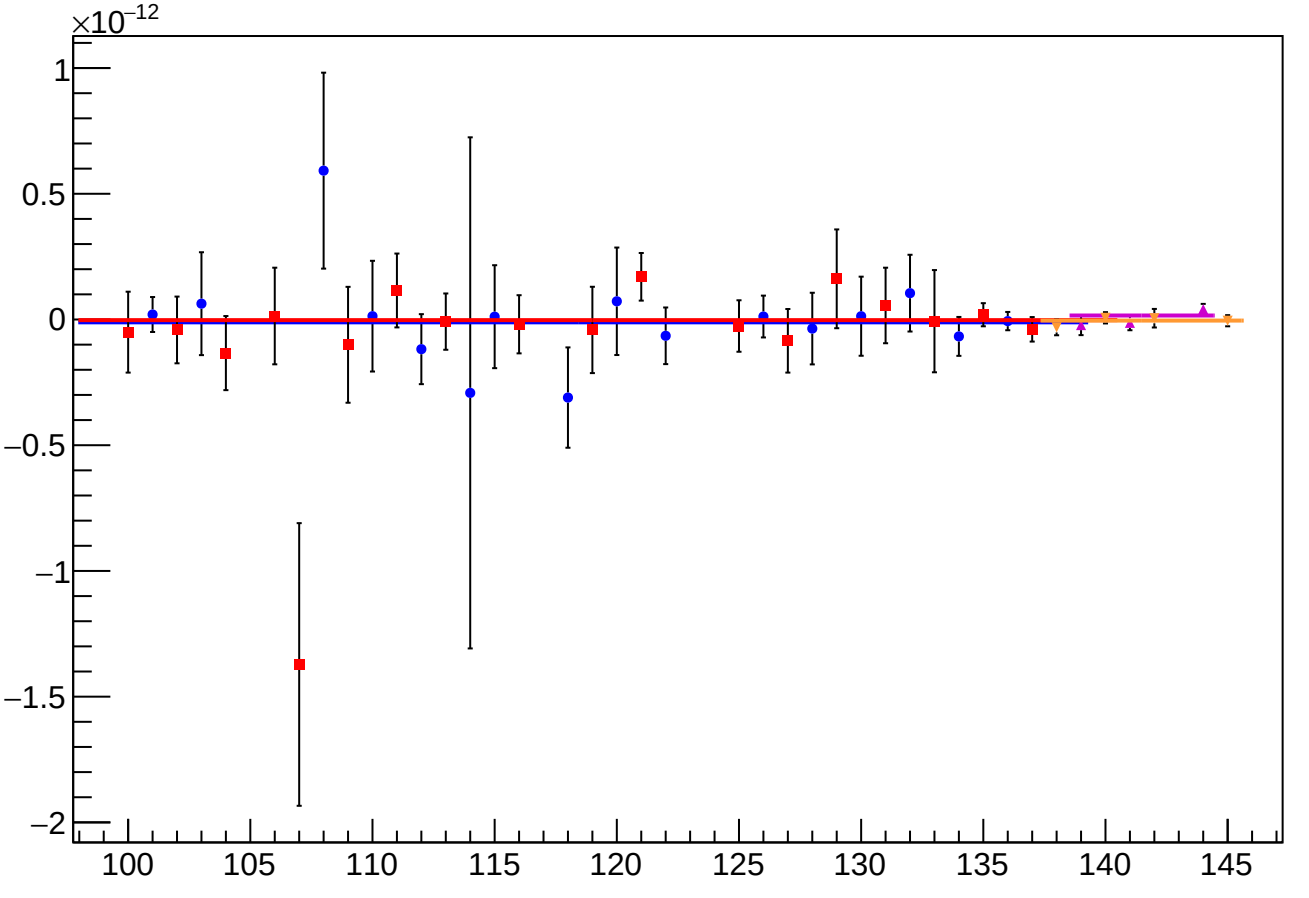
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1967.046+/-0.858 χ^2/NDF:4499.8/2

+ sign 2257.576+/-0.516 χ^2/NDF: 1062495.4/19

All: 2285.796+/-0.371 χ^2/NDF: 2016197.5/40

- sign 2315.944+/-0.533 χ^2/NDF: 947515.3/20



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.1/3

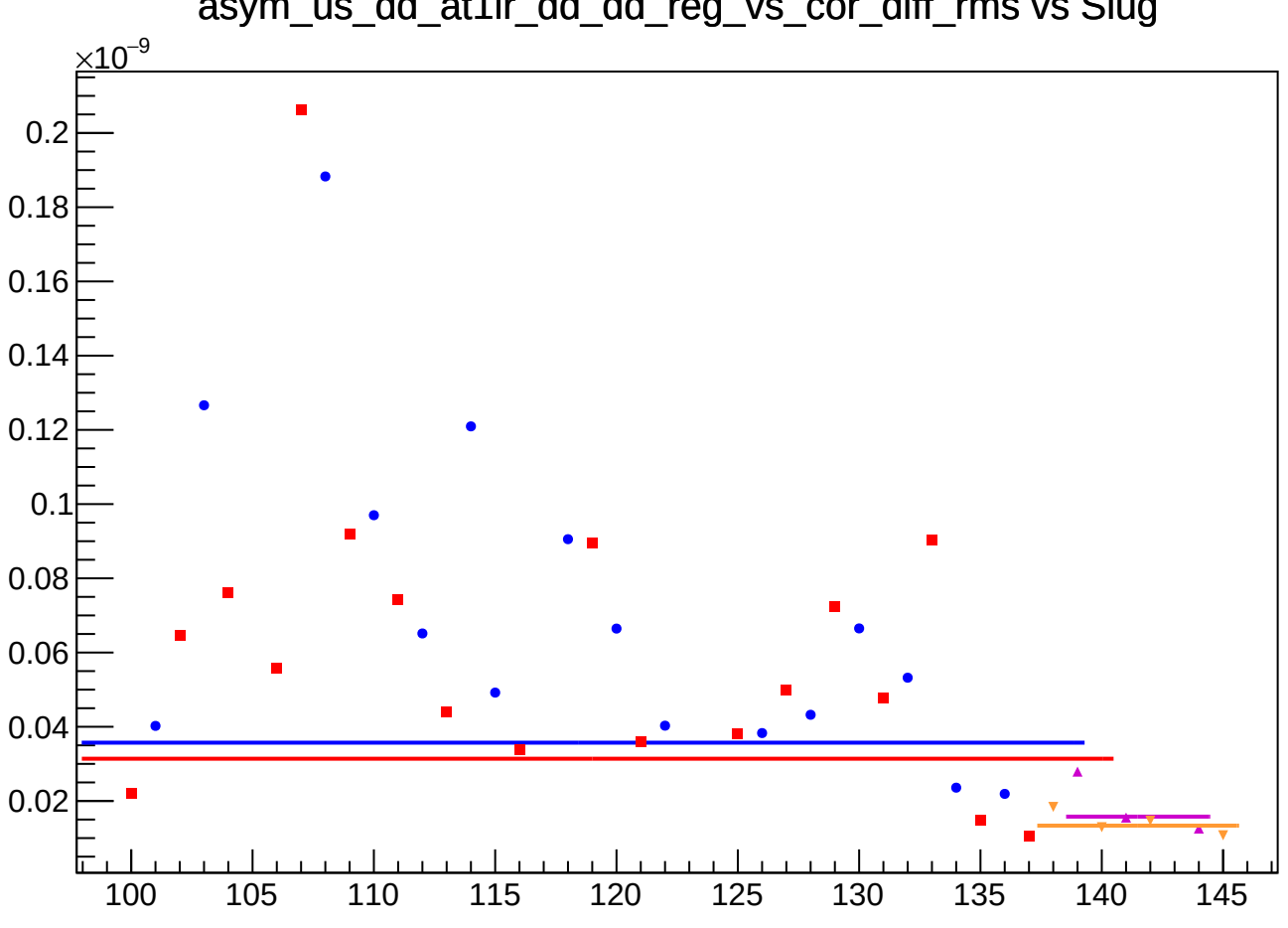
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:3.3/2

+ sign -0.000+/-0.000 χ^2/NDF: 8.4/19

All: 0.000+/-0.000 χ^2/NDF: 26.2/40

- sign 0.000+/-0.000 χ^2/NDF: 17.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:82739.6/3

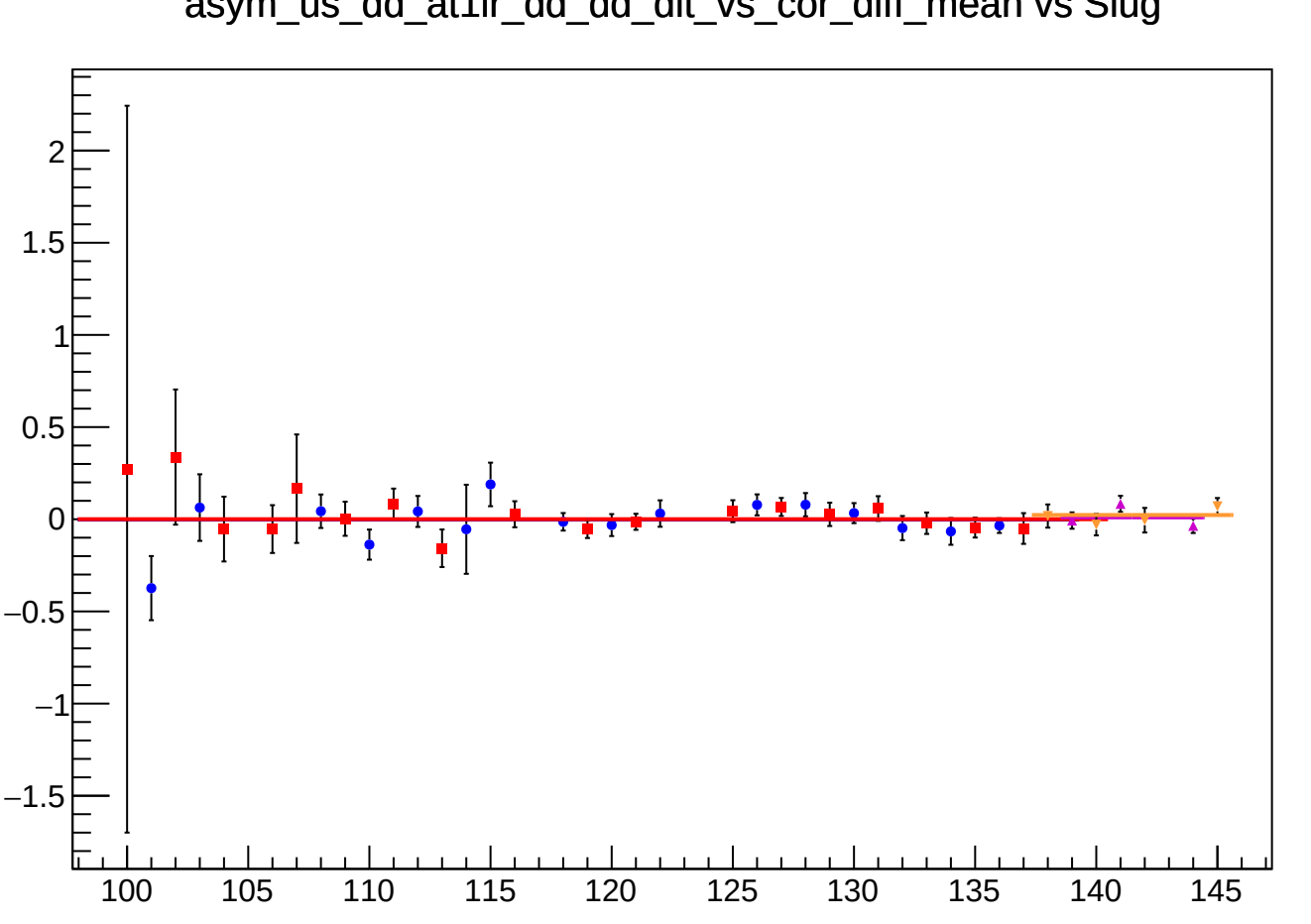
Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:230972.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 2991545.4/19

All: 0.000+/-0.000 χ^2/NDF: 5896146.4/40

- sign 0.000+/-0.000 χ^2/NDF: 2878501.9/20



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

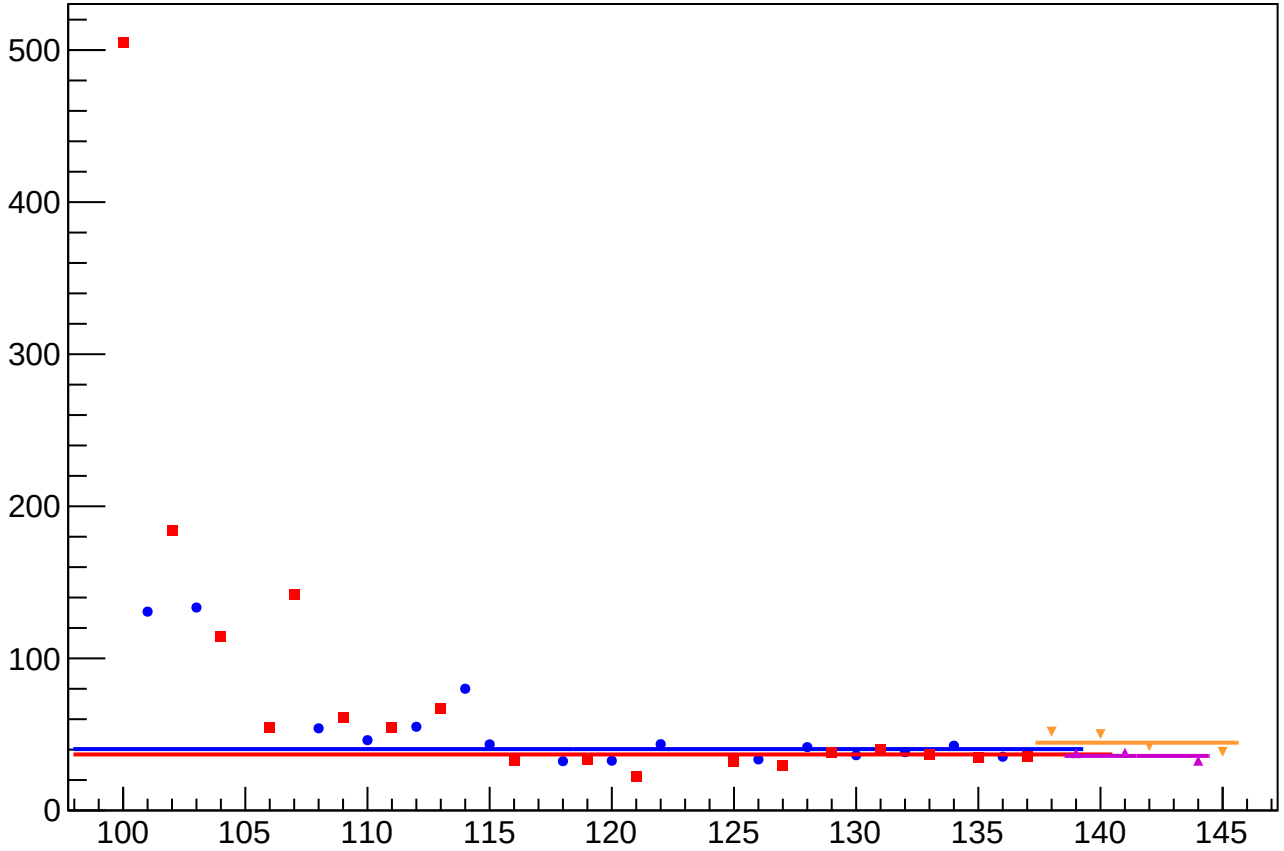
Left In: 0.010+/-0.024 χ^2/NDF:4.4/2

+ sign 0.005+/-0.015 χ^2/NDF: 19.8/19

All: 0.004+/-0.010 χ^2/NDF: 35.2/40

- sign 0.003+/-0.014 χ^2/NDF: 15.4/20

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

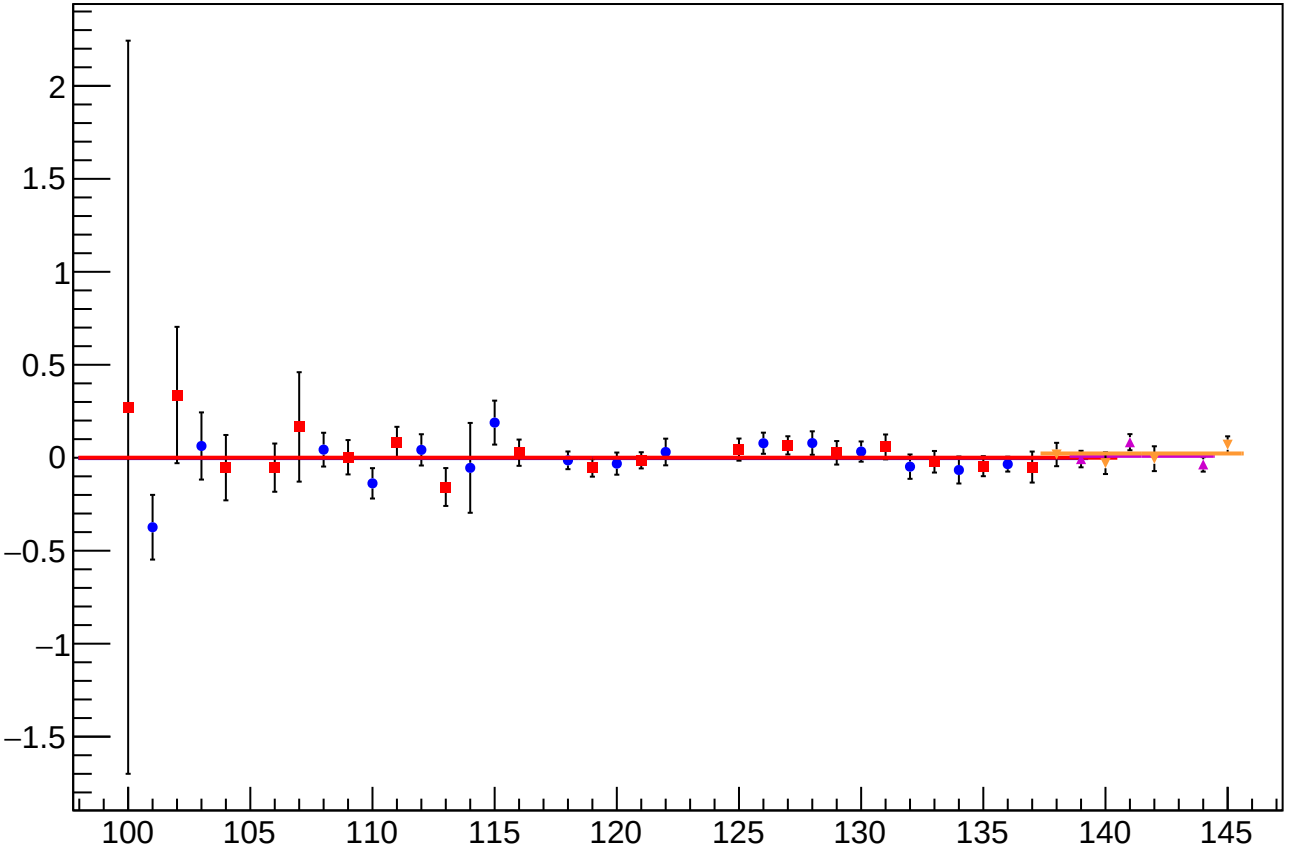
Left In: 35.858+/-0.017 χ^2/NDF:21162.6/2

\+ sign 41.487+/-0.010 χ^2/NDF: 1525492.8/19

All: 38.849+/-0.007 χ^2/NDF: 3508925.6/40

\- sign 36.515+/-0.010 χ^2/NDF: 1860442.6/20

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

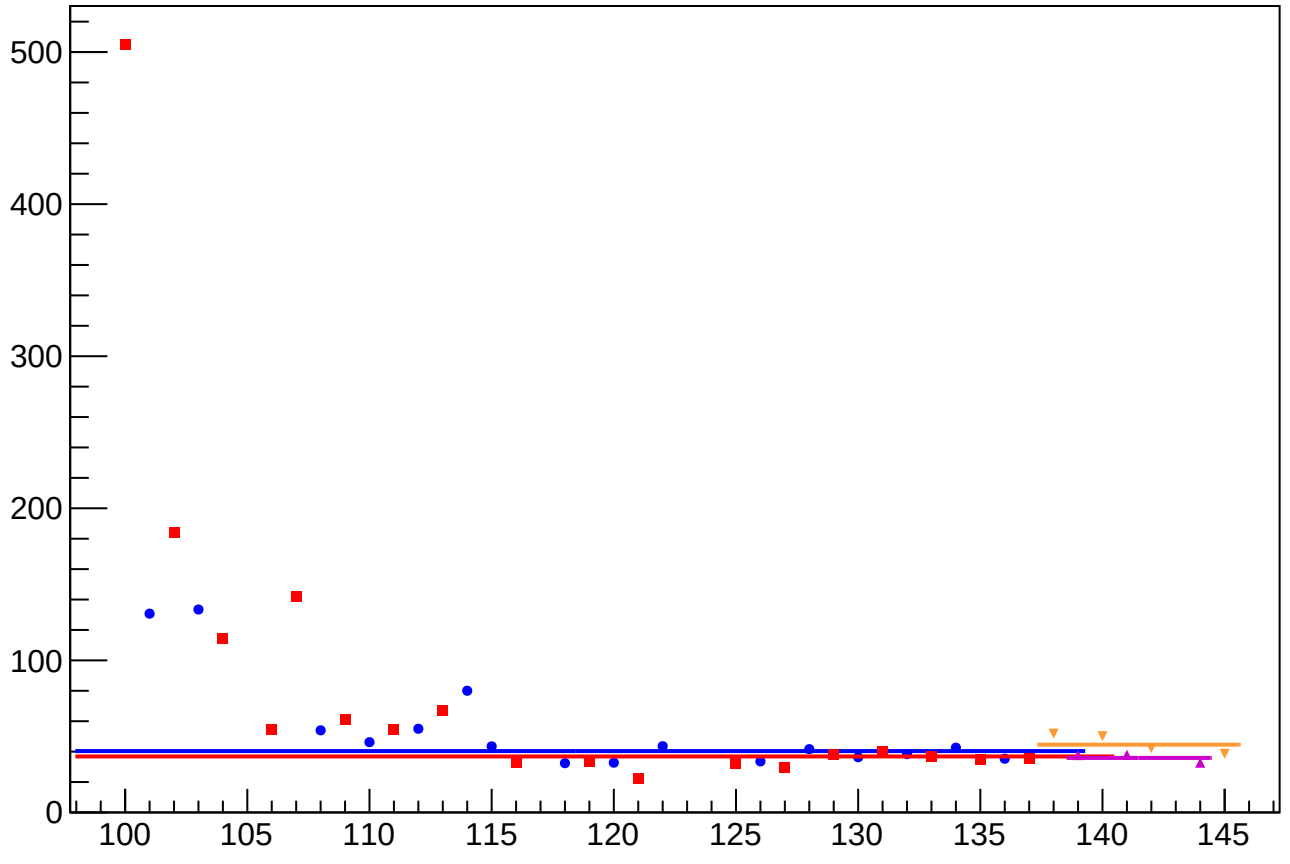
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.010+/-0.024 χ^2/NDF:4.4/2

+ sign 0.005+/-0.015 χ^2/NDF: 19.8/19

All: 0.004+/-0.010 χ^2/NDF: 35.2/40

- sign 0.003+/-0.014 χ^2/NDF: 15.4/20



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 44.575+/-0.020 χ^2/NDF:82477.4/3

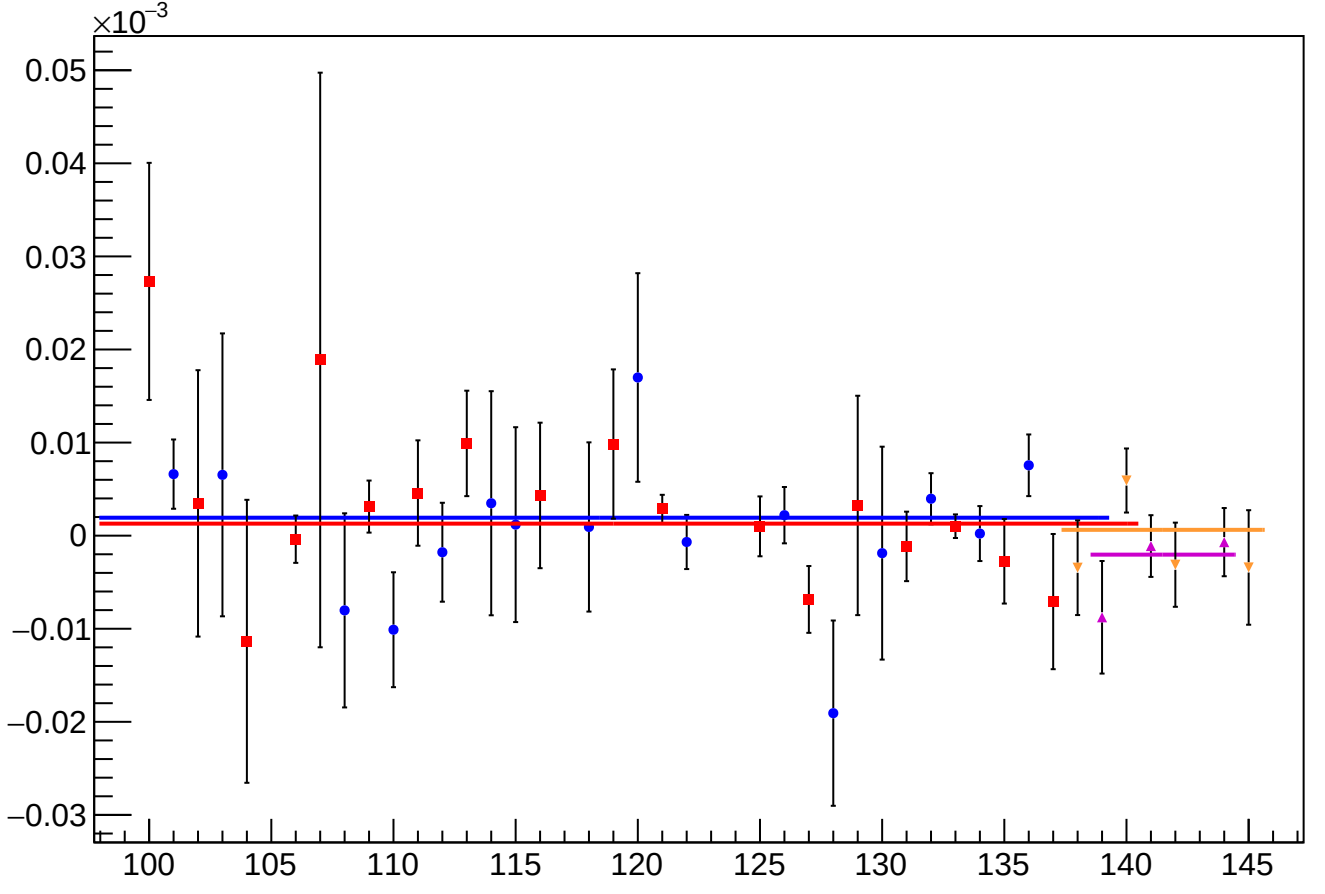
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 35.858+/-0.017 χ^2/NDF:21162.6/2

+ sign 41.487+/-0.010 χ^2/NDF: 1525492.8/19

All: 38.849+/-0.007 χ^2/NDF: 3508925.6/40

- sign 36.515+/-0.010 χ^2/NDF: 1860442.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/3

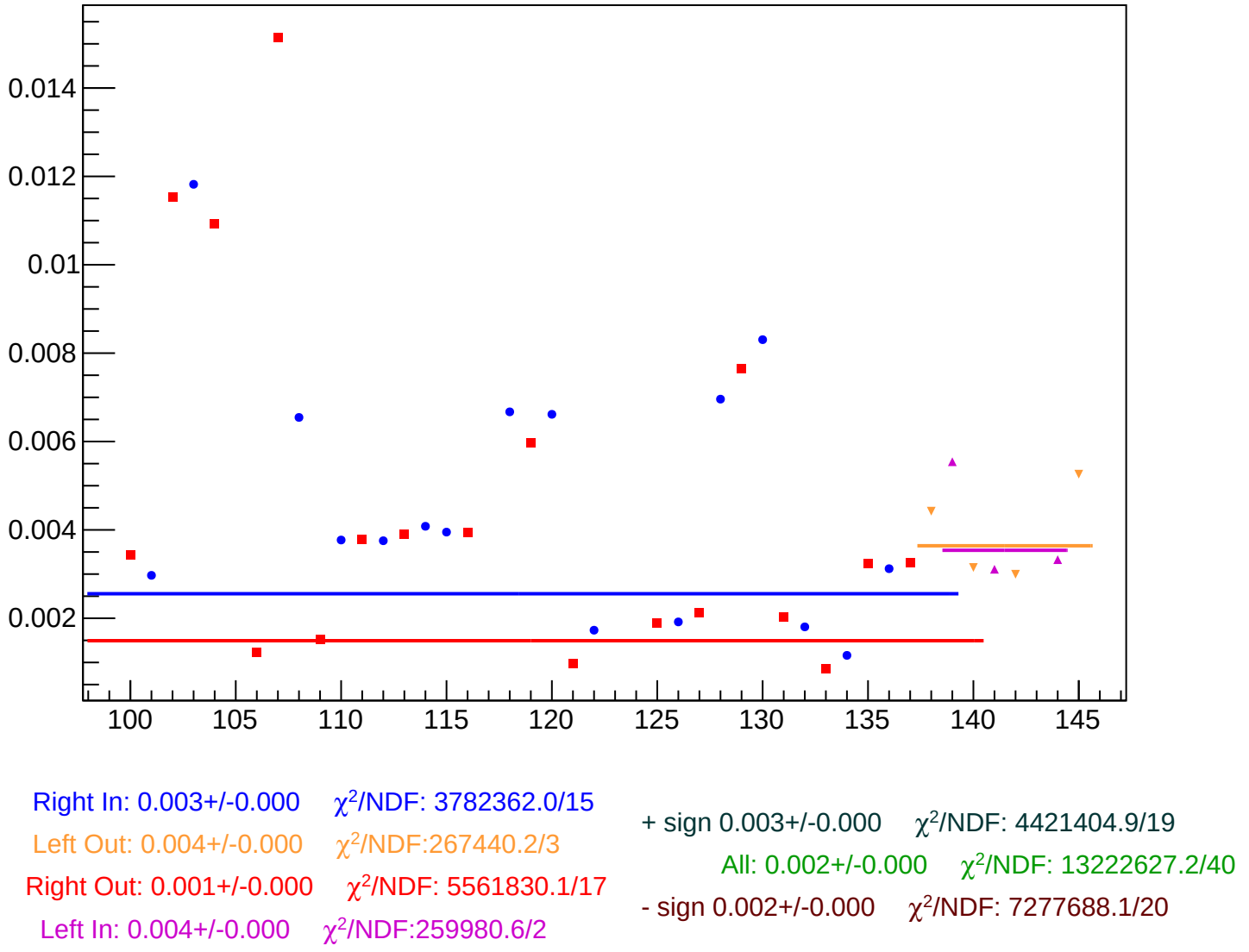
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/2

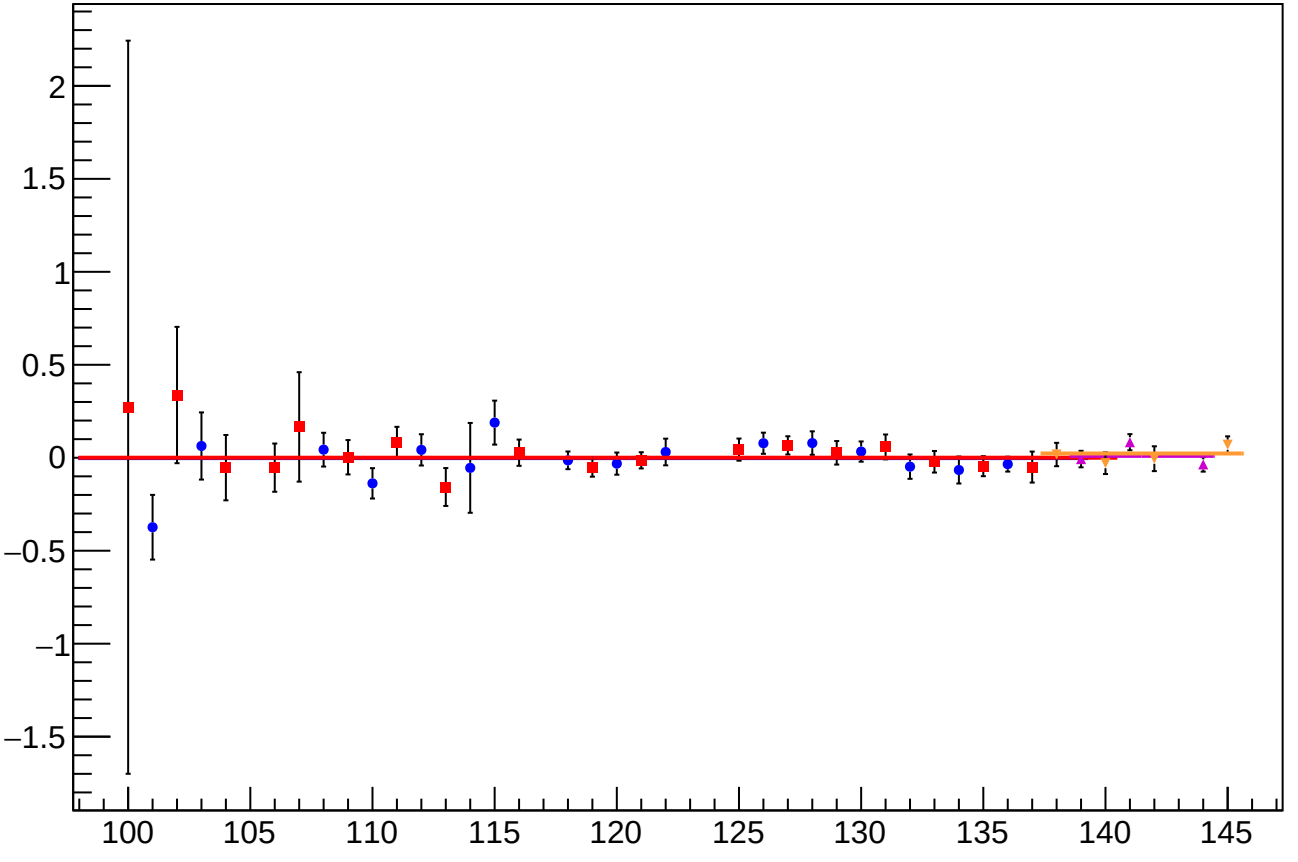
+ sign 0.000+/-0.000 χ^2/NDF: 22.3/19

All: 0.000+/-0.000 χ^2/NDF: 44.8/40

- sign 0.000+/-0.000 χ^2/NDF: 22.3/20


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
105
110
115
120
125
130
135
140
145
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:259980.6/2
+ sign 0.003+/-0.000 χ²/NDF: 4421404.9/19
All: 0.002+/-0.000 χ²/NDF: 13222627.2/40
- sign 0.002+/-0.000 χ²/NDF: 7277688.1/20

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

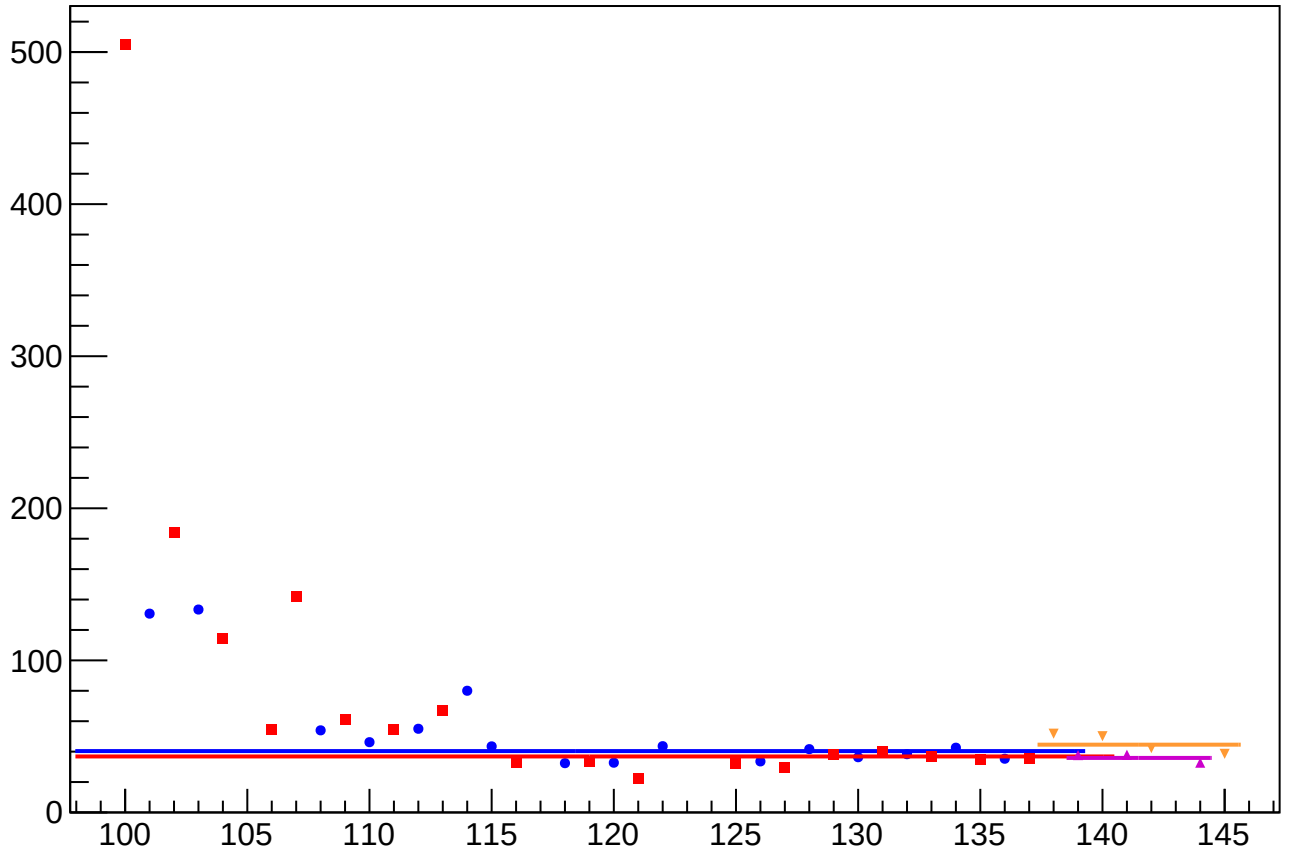
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.010+/-0.024 χ^2/NDF:4.4/2

+ sign 0.005+/-0.015 χ^2/NDF: 19.8/19

All: 0.004+/-0.010 χ^2/NDF: 35.2/40

- sign 0.003+/-0.014 χ^2/NDF: 15.4/20



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

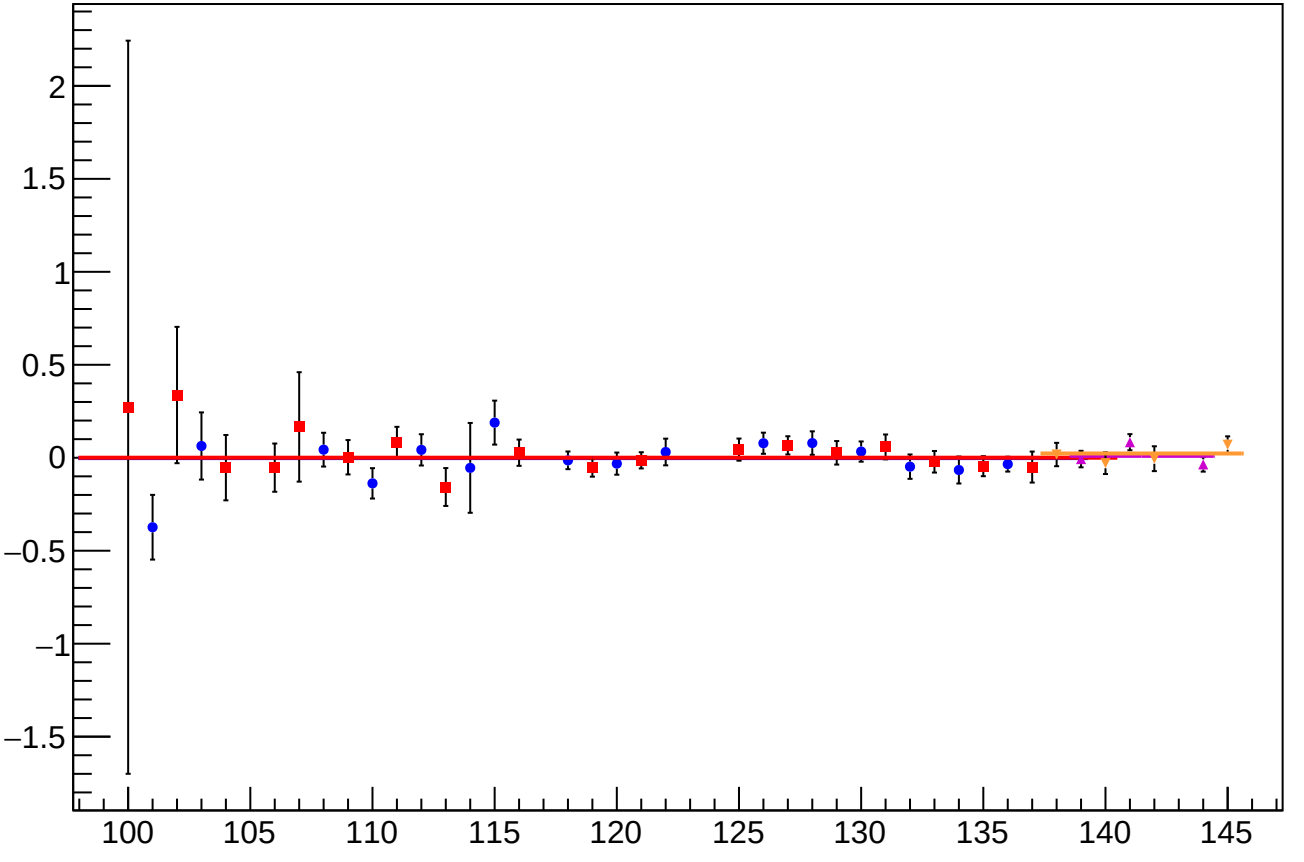
Left In: 35.858+/-0.017 χ^2/NDF:21162.7/2

+ sign 41.488+/-0.010 χ^2/NDF: 1525385.7/19

All: 38.849+/-0.007 χ^2/NDF: 3508855.6/40

- sign 36.514+/-0.010 χ^2/NDF: 1860433.1/20

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

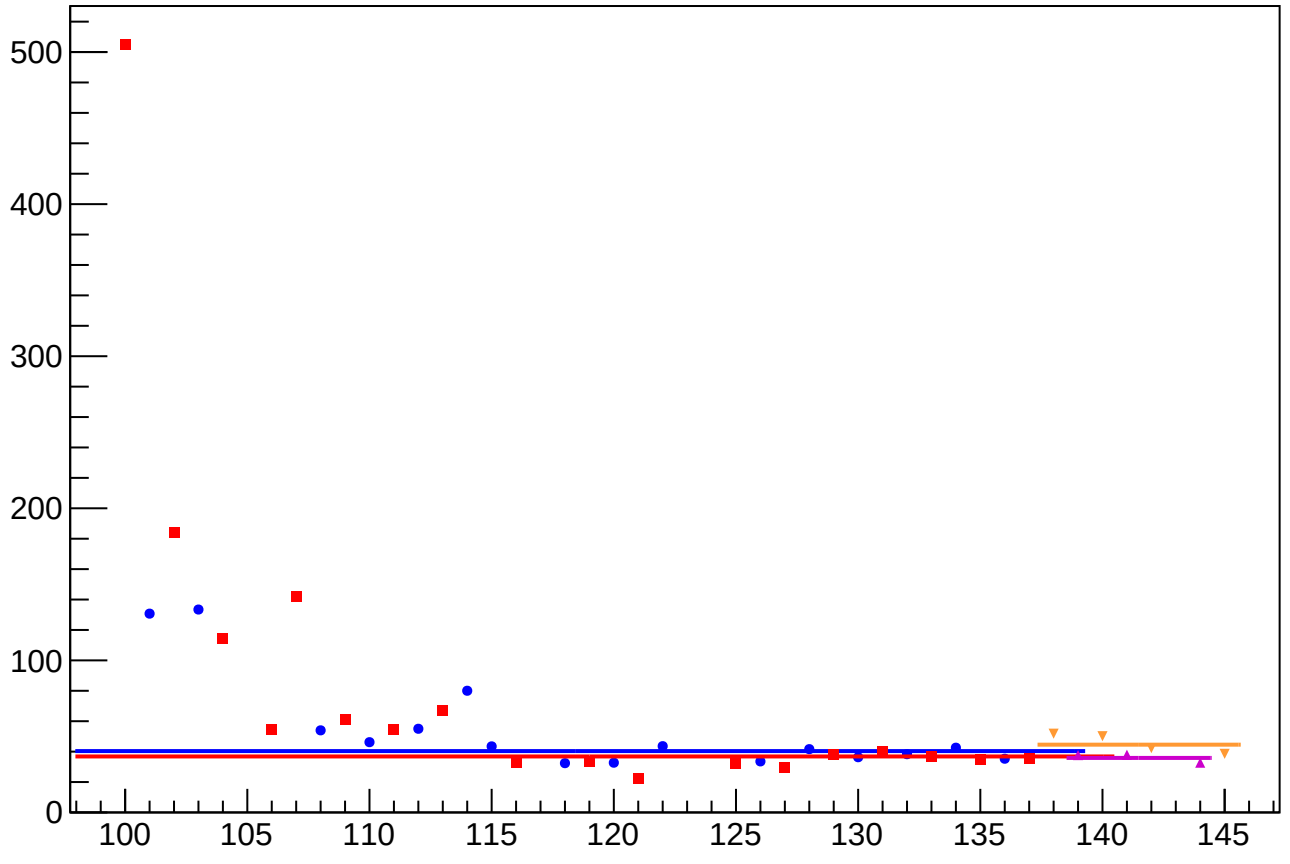
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.010+/-0.024 χ^2/NDF:4.4/2

+ sign 0.005+/-0.015 χ^2/NDF: 19.8/19

All: 0.004+/-0.010 χ^2/NDF: 35.2/40

- sign 0.003+/-0.014 χ^2/NDF: 15.4/20



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 44.574+/-0.020 χ^2/NDF:82484.1/3

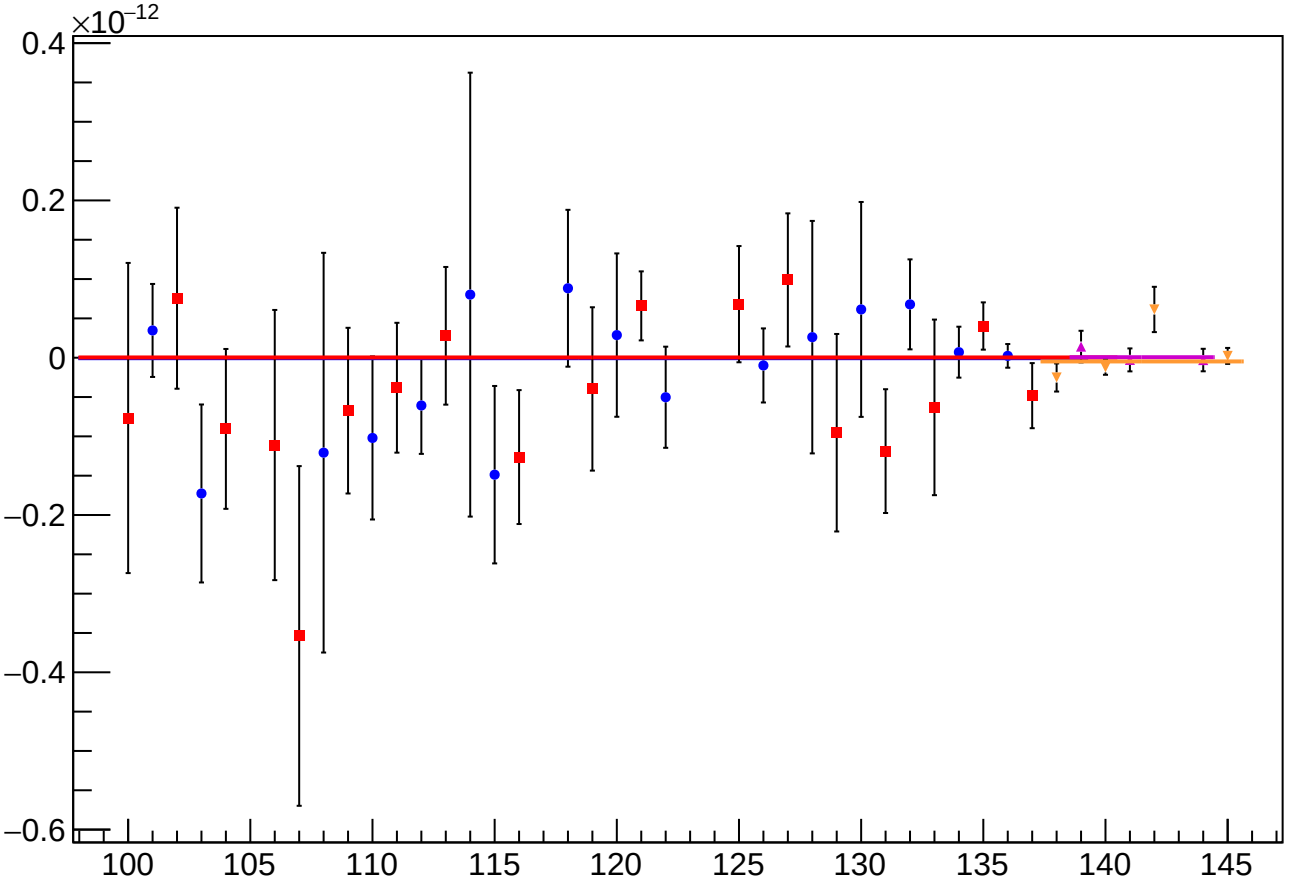
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 35.858+/-0.017 χ^2/NDF:21162.7/2

\+ sign 41.488+/-0.010 χ^2/NDF: 1525385.7/19

All: 38.849+/-0.007 χ^2/NDF: 3508855.6/40

\- sign 36.514+/-0.010 χ^2/NDF: 1860433.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/3

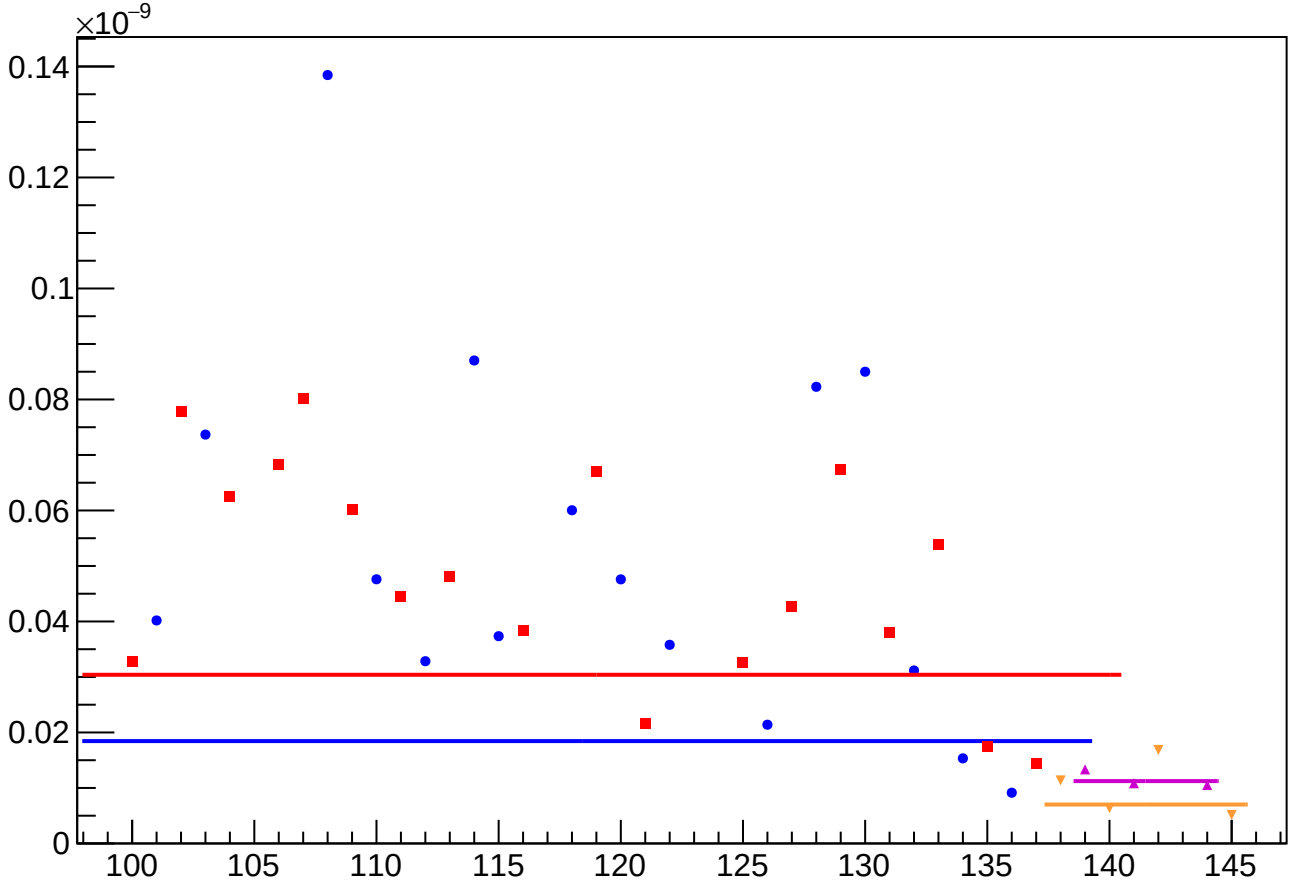
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.6/2

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/19

All: -0.000+/-0.000 χ^2/NDF: 36.8/40

- sign 0.000+/-0.000 χ^2/NDF: 18.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:428837.6/3

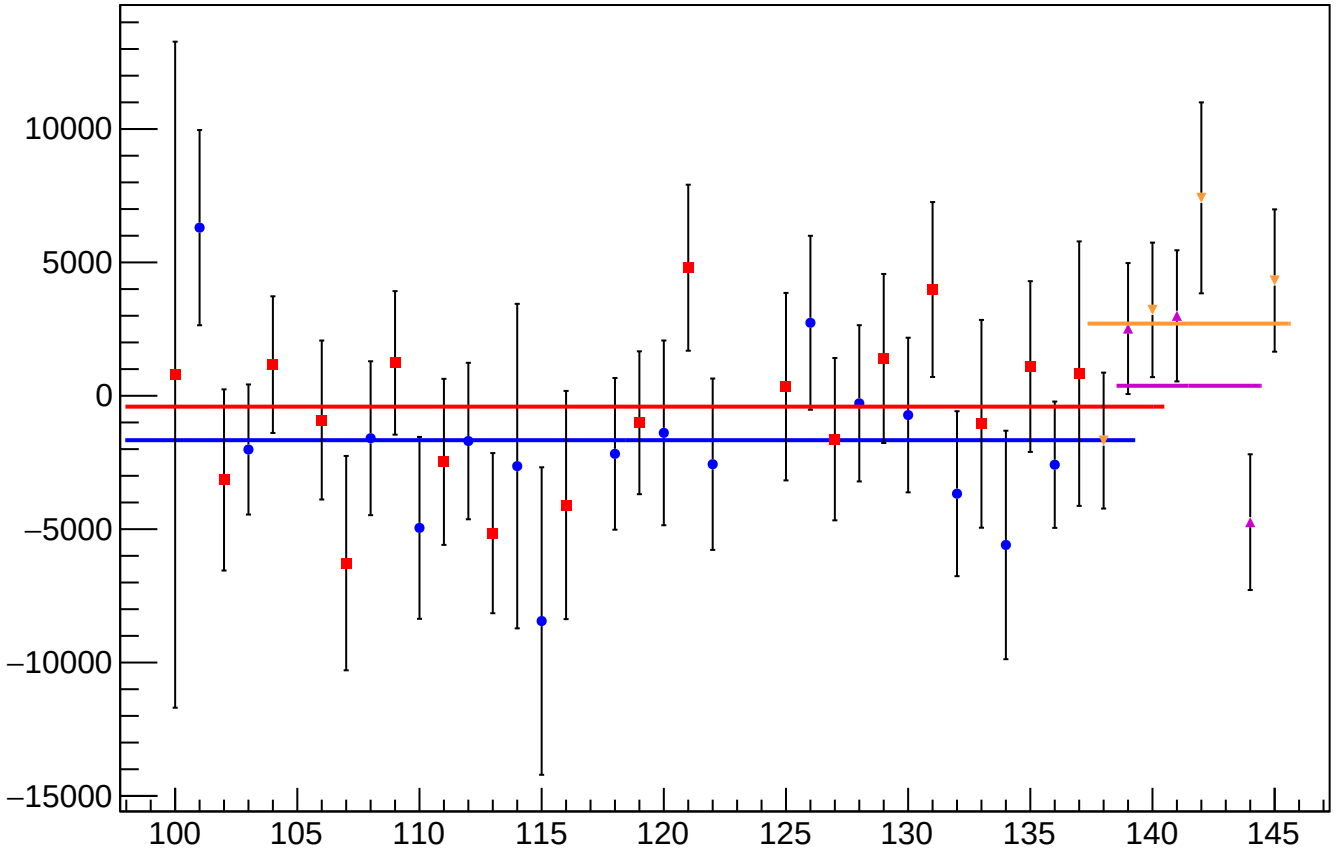
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:28411.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 5959511.3/19

All: 0.000+/-0.000 χ^2/NDF: 11238123.8/40

- sign 0.000+/-0.000 χ^2/NDF: 4489652.3/20



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

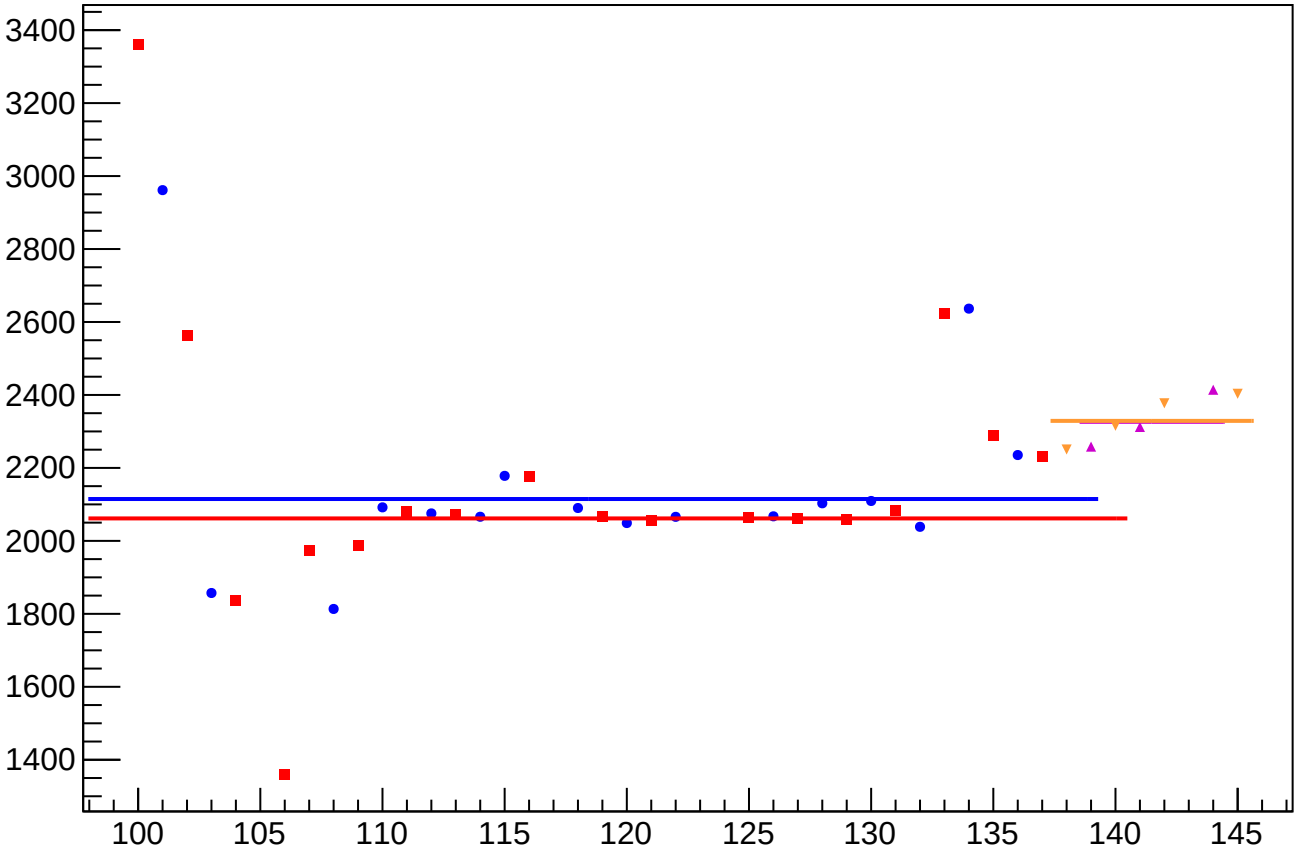
Left In: 375.789+/-1434.623 χ^2/NDF:5.9/2

+ sign -573.639+/-686.238 χ^2/NDF: 23.5/19

All: -400.732+/-484.214 χ^2/NDF: 42.5/40

- sign -229.285+/-683.335 χ^2/NDF: 18.9/20

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

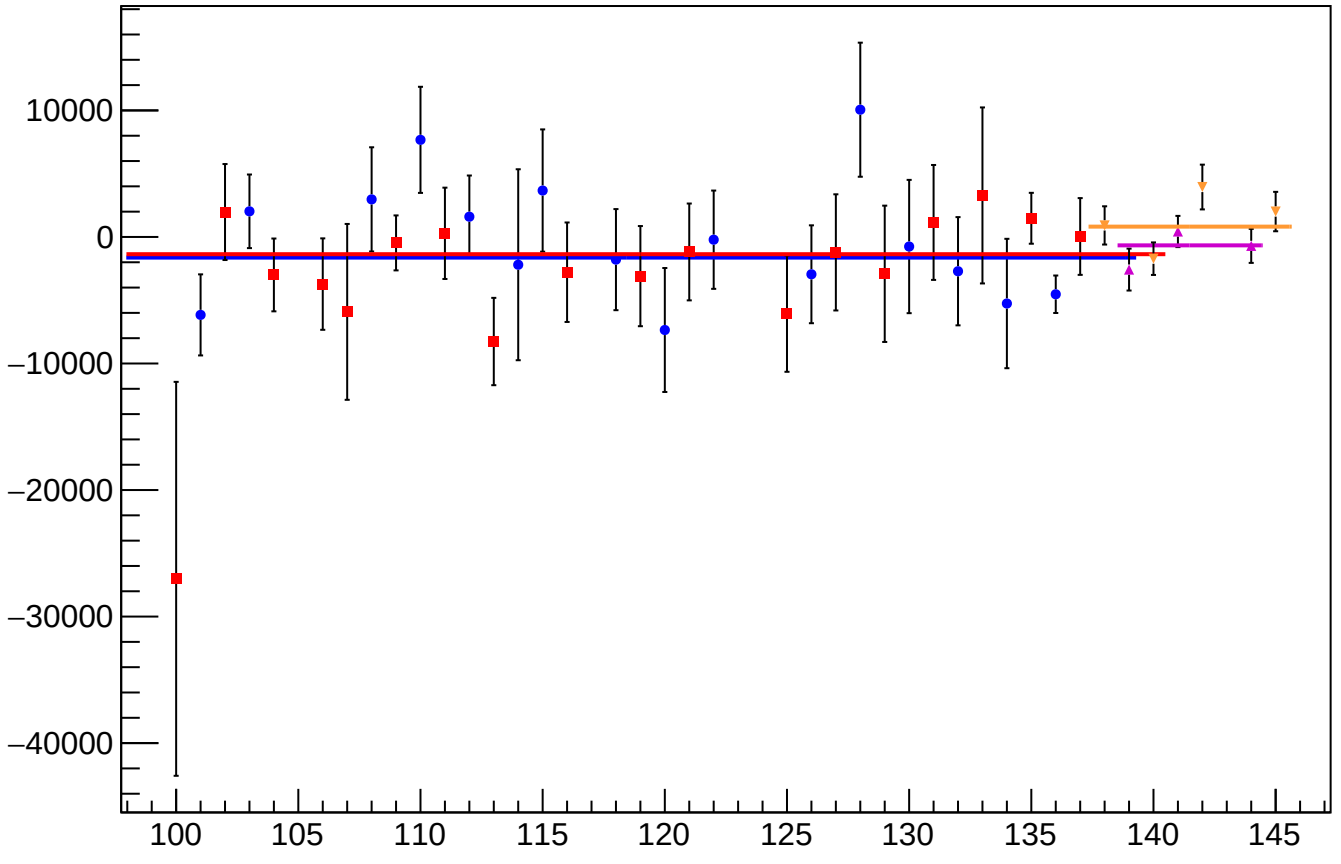
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2326.340+/-1.014 χ^2/NDF:3987.0/2

+ sign 2168.207+/-0.485 χ^2/NDF: 230274.6/19

All: 2144.821+/-0.342 χ^2/NDF: 540745.3/40

- sign 2121.632+/-0.483 χ^2/NDF: 305844.7/20



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: 816.514+/-750.609 χ^2/NDF:7.6/3

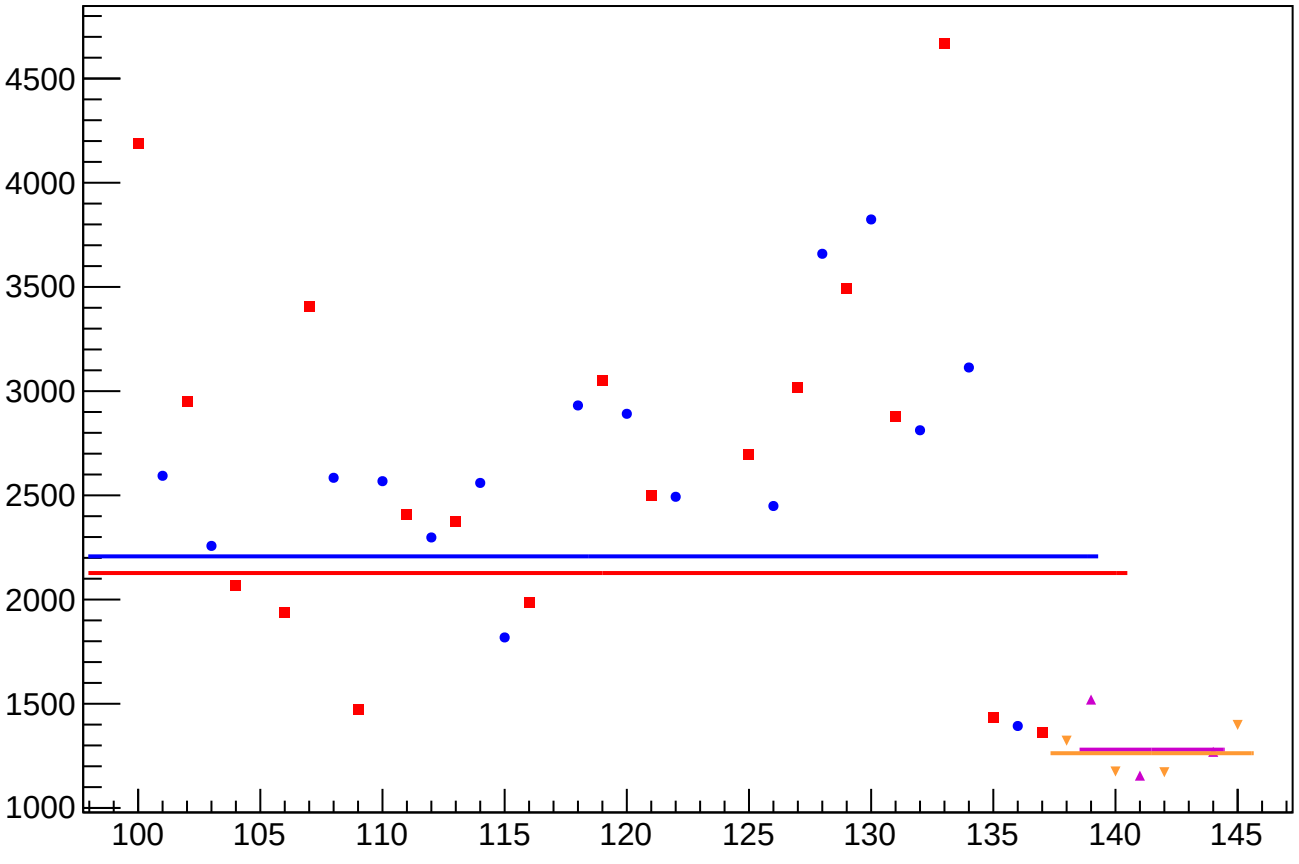
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -664.026+/-796.589 χ^2/NDF:2.1/2

+ sign -238.176+/-566.192 χ^2/NDF: 35.0/19

All: -608.322+/-404.519 χ^2/NDF: 51.9/40

- sign -994.264+/-578.147 χ^2/NDF: 16.0/20



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1262.679+/-0.531 χ^2/NDF:32988.5/3

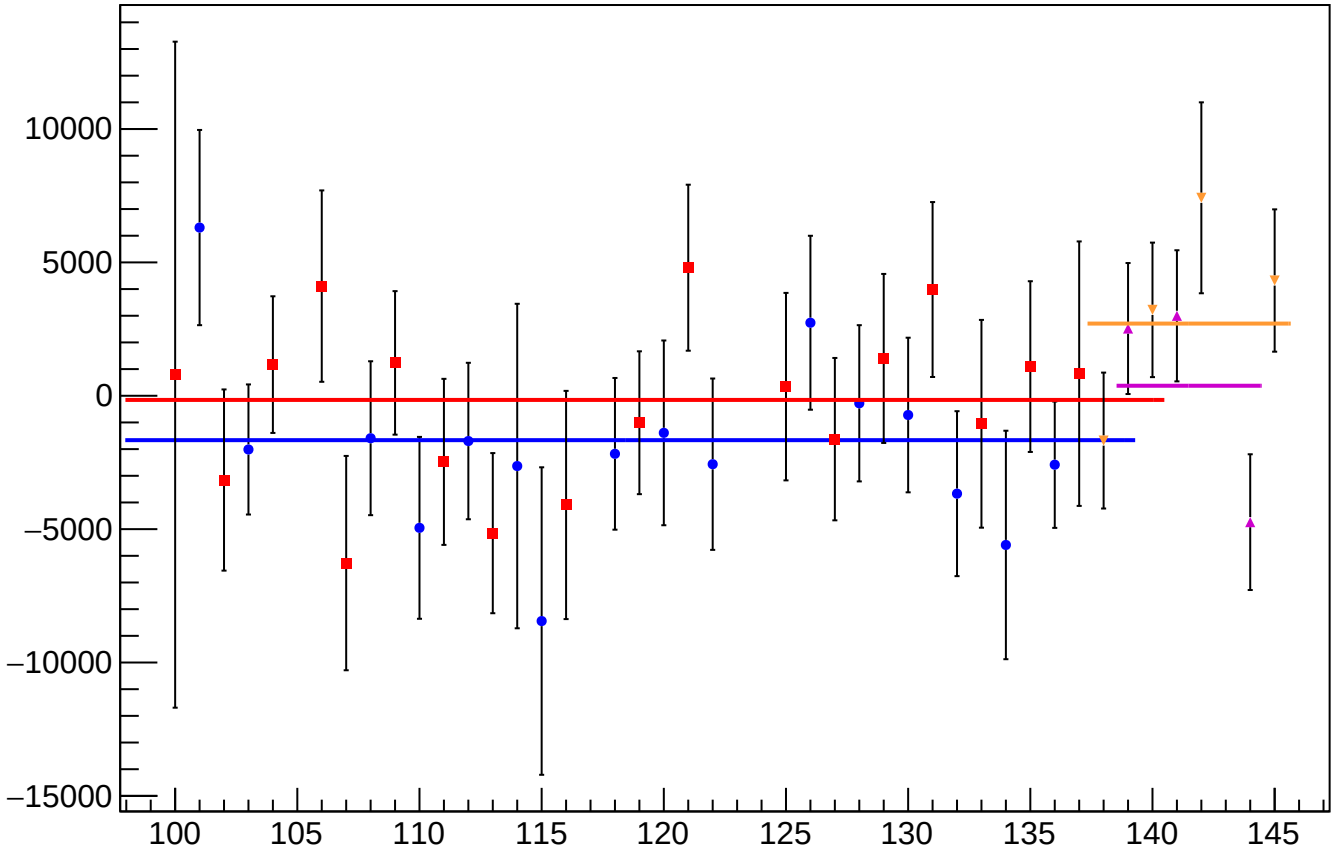
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1279.800+/-0.563 χ^2/NDF:62659.1/2

+ sign 1669.805+/-0.400 χ^2/NDF: 2647367.8/19

All: 1675.207+/-0.286 χ^2/NDF: 5239593.7/40

- sign 1680.840+/-0.409 χ^2/NDF: 2591854.0/20



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

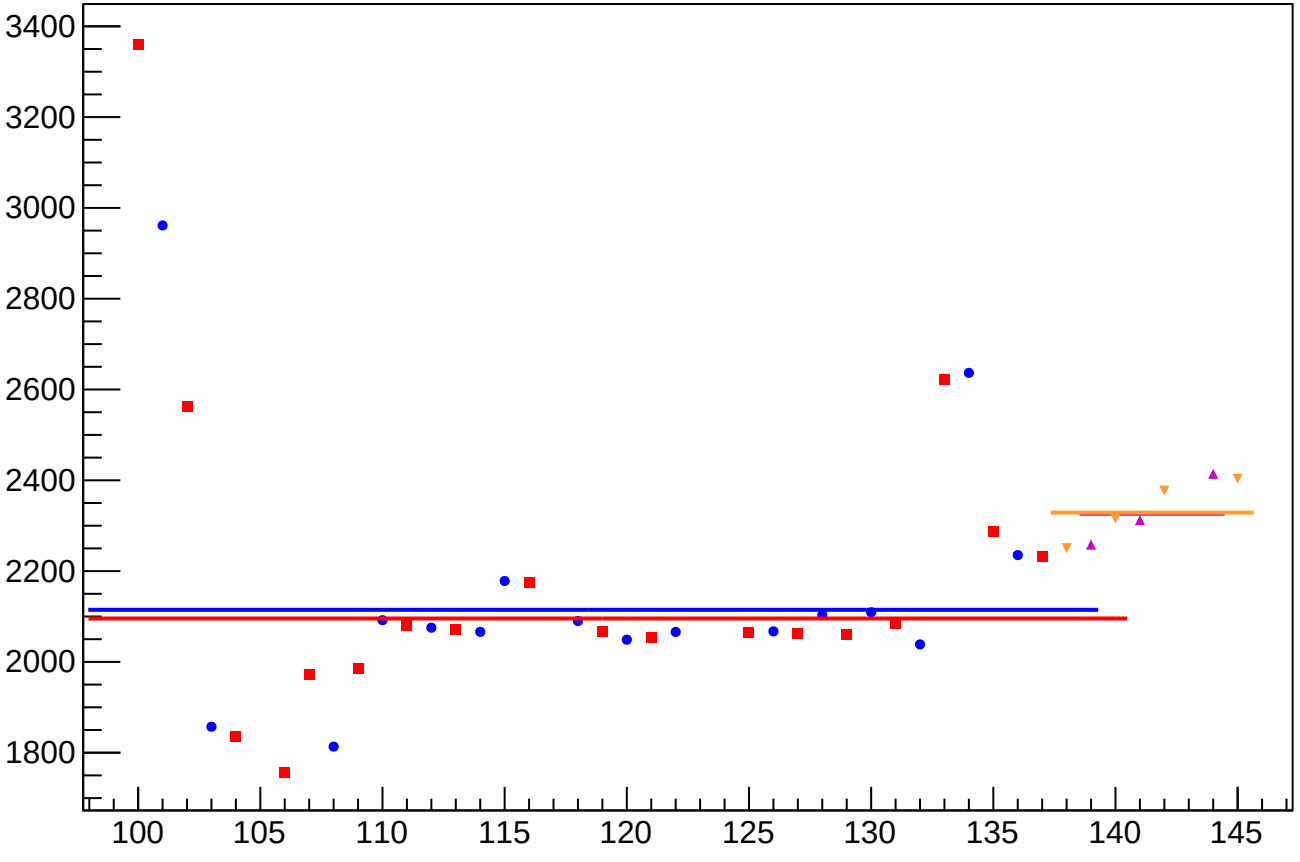
Left In: 375.933+/-1434.623 χ^2/NDF:5.9/2

+ sign -573.521+/-686.238 χ^2/NDF: 23.5/19

All: -304.407+/-486.207 χ^2/NDF: 44.0/40

- sign -33.144+/-688.972 χ^2/NDF: 20.2/20

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

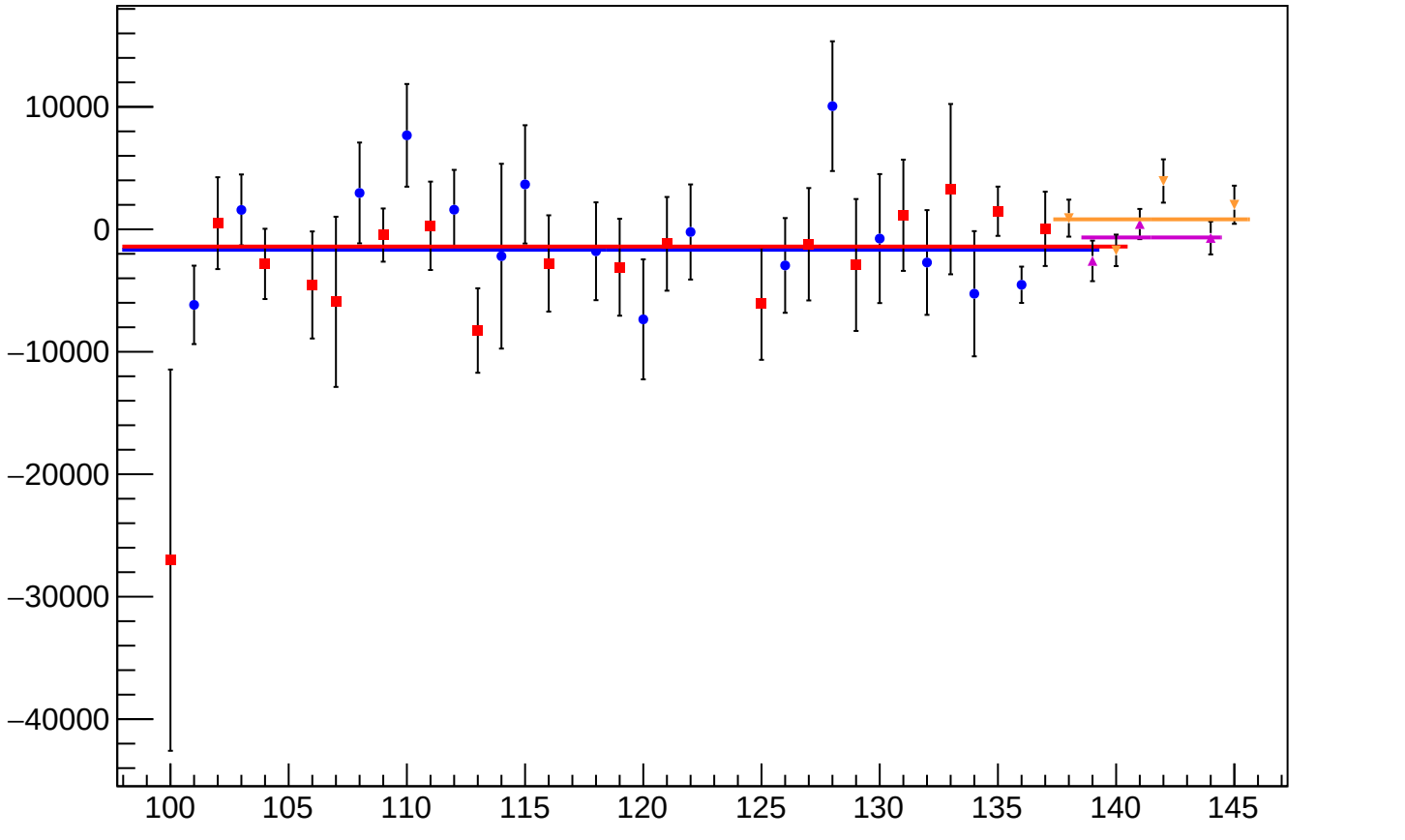
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2326.340+/-1.014 χ^2/NDF:3987.0/2

+ sign 2168.207+/-0.485 χ^2/NDF: 230275.0/19

All: 2158.549+/-0.344 χ^2/NDF: 424223.4/40

- sign 2148.814+/-0.487 χ^2/NDF: 193152.9/20



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

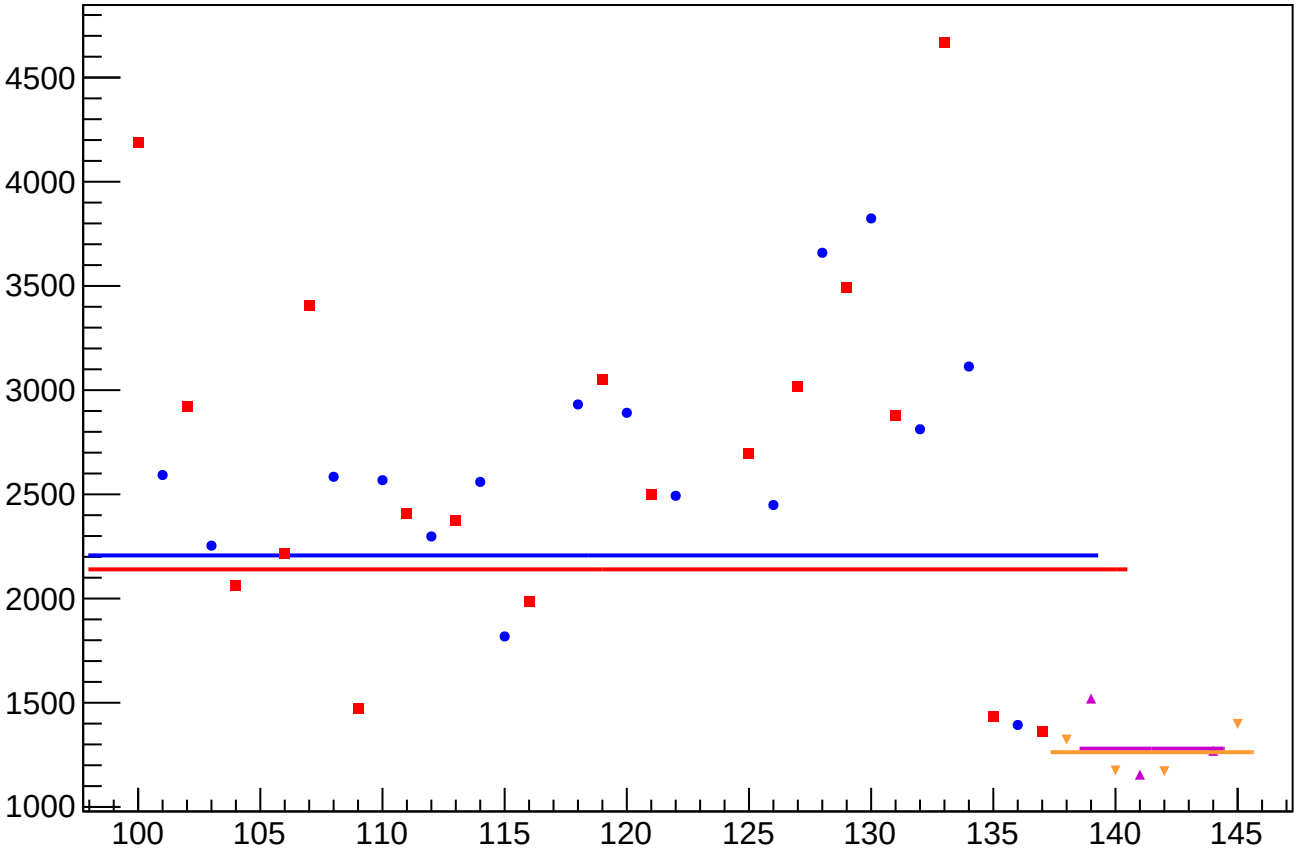
Left In: -664.089+/-796.579 χ^2/NDF:2.1/2

+ sign -255.079+/-566.116 χ^2/NDF: 34.8/19

All: -624.766+/-405.224 χ^2/NDF: 51.2/40

- sign -1013.203+/-580.295 χ^2/NDF: 15.5/20

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1262.706+/-0.531 χ^2/NDF:32975.2/3

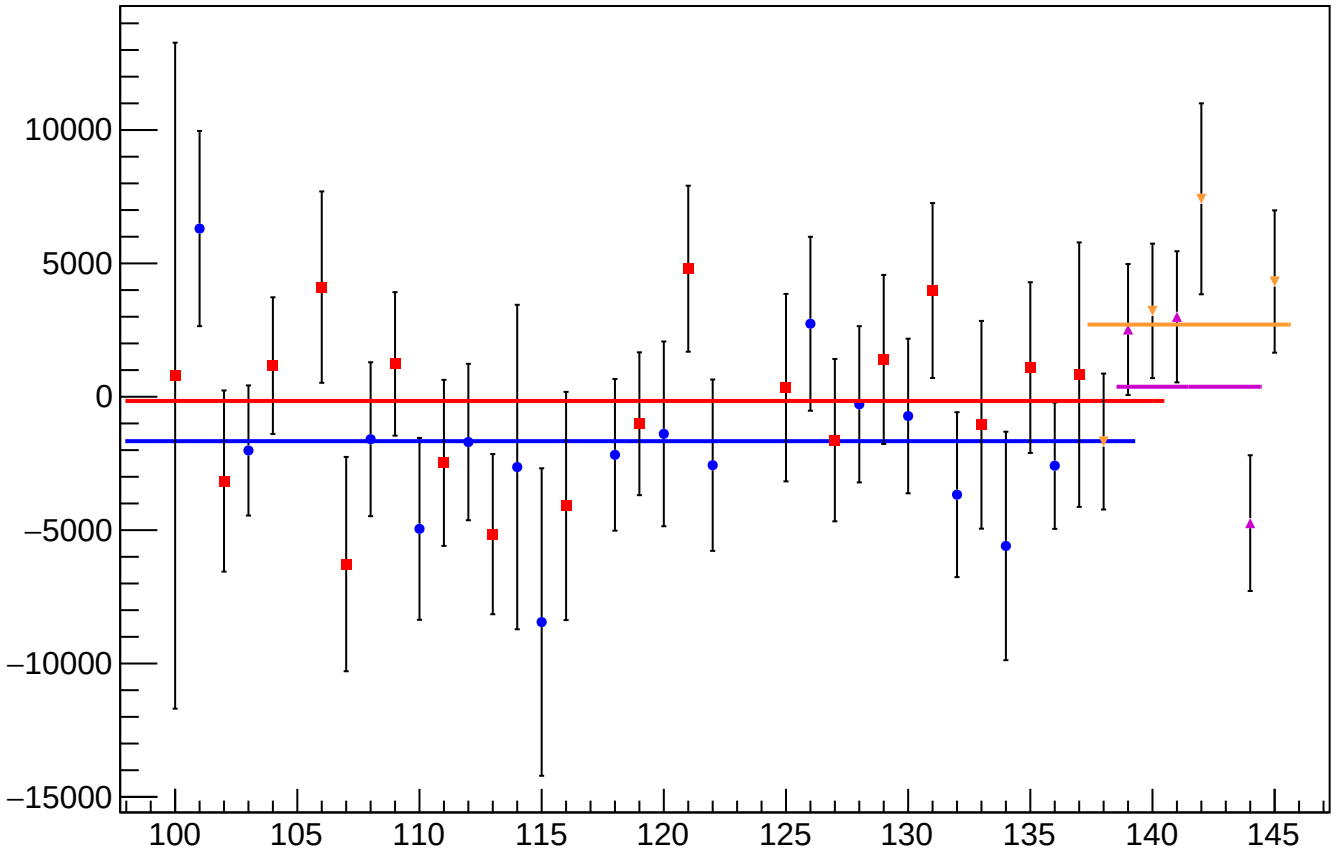
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1279.783+/-0.563 χ^2/NDF:62673.2/2

+ sign 1669.841+/-0.400 χ^2/NDF: 2646565.3/19

All: 1676.512+/-0.287 χ^2/NDF: 5252911.6/40

- sign 1683.520+/-0.410 χ^2/NDF: 2605776.8/20



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

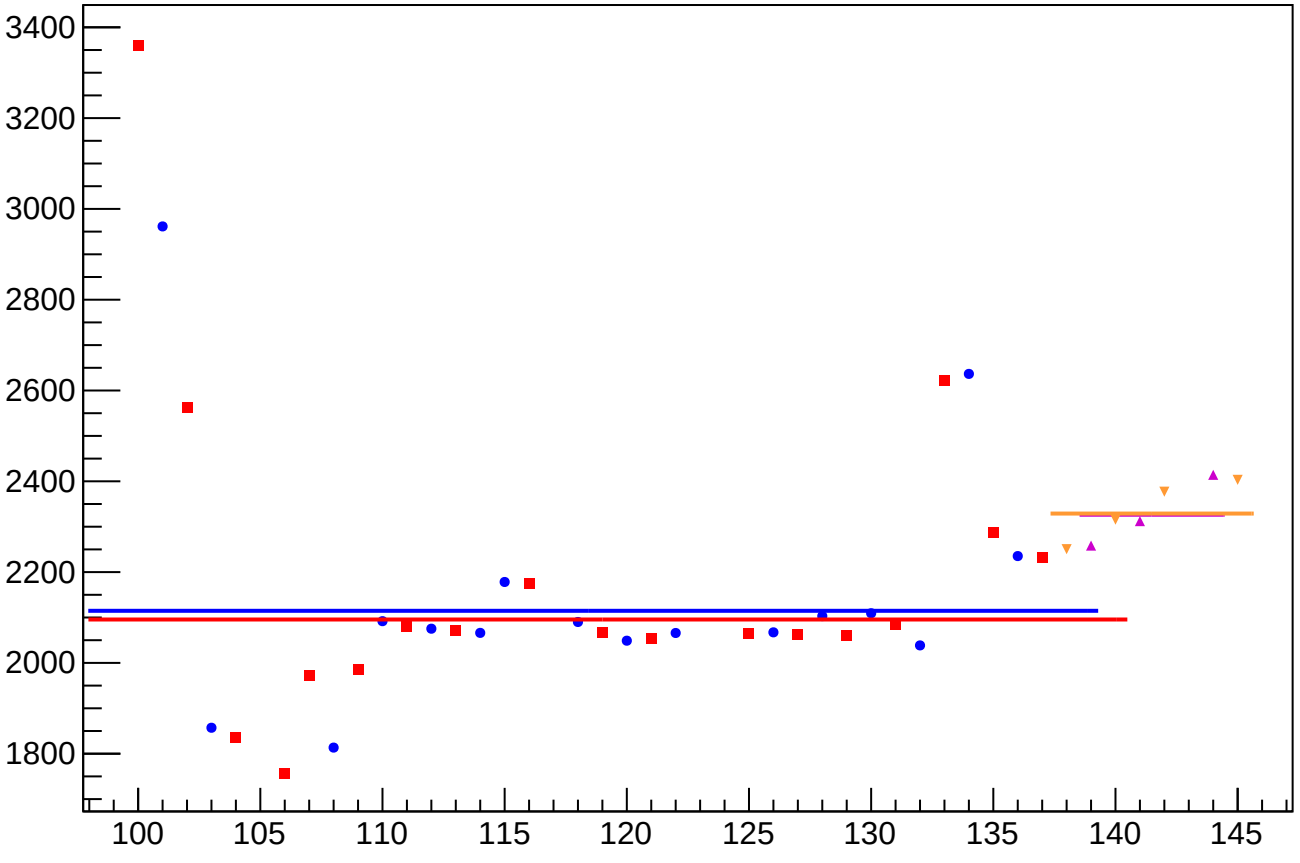
Left In: 375.933+/-1434.623 χ^2/NDF:5.9/2

+ sign -573.521+/-686.238 χ^2/NDF: 23.5/19

All: -304.407+/-486.207 χ^2/NDF: 44.0/40

- sign -33.144+/-688.972 χ^2/NDF: 20.2/20

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

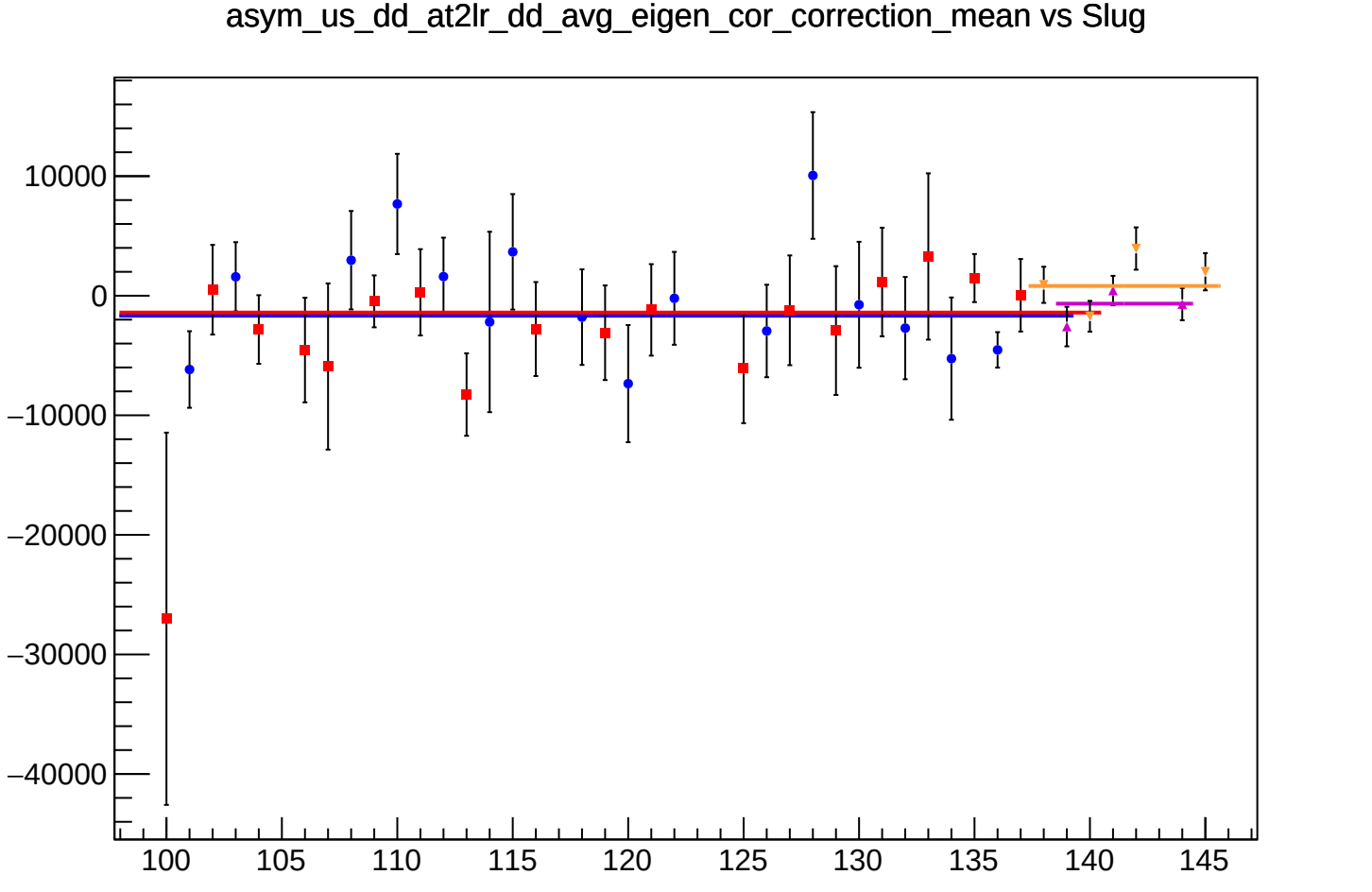
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2326.340+/-1.014 χ^2/NDF:3987.0/2

+ sign 2168.207+/-0.485 χ^2/NDF: 230275.0/19

All: 2158.549+/-0.344 χ^2/NDF: 424223.4/40

- sign 2148.814+/-0.487 χ^2/NDF: 193152.9/20



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: 816.363+/-750.623 χ^2/NDF:7.6/3

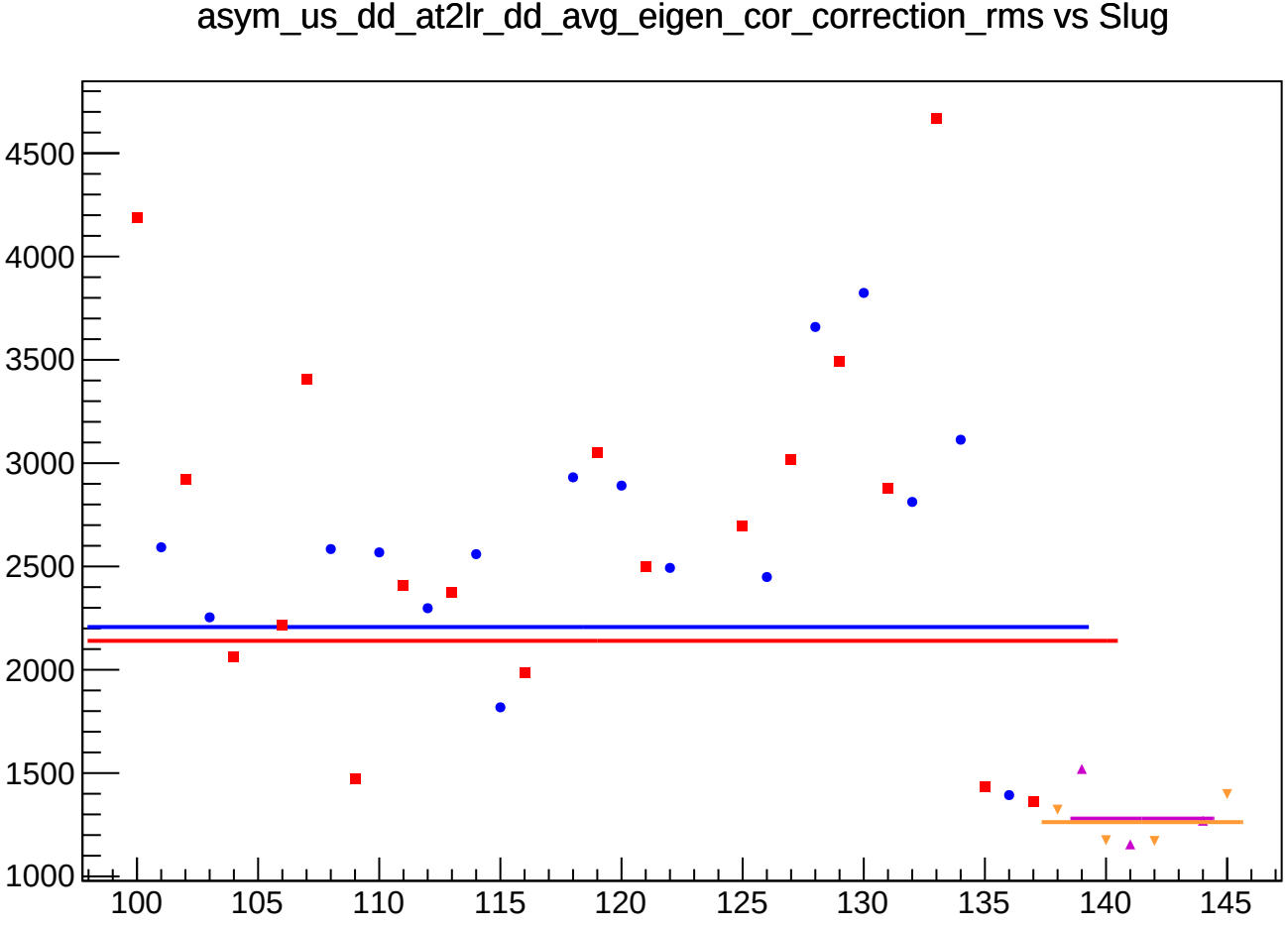
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -664.089+/-796.579 χ^2/NDF:2.1/2

+ sign -255.079+/-566.116 χ^2/NDF: 34.8/19

All: -624.766+/-405.224 χ^2/NDF: 51.2/40

- sign -1013.203+/-580.295 χ^2/NDF: 15.5/20



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1262.706+/-0.531 χ^2/NDF:32975.2/3

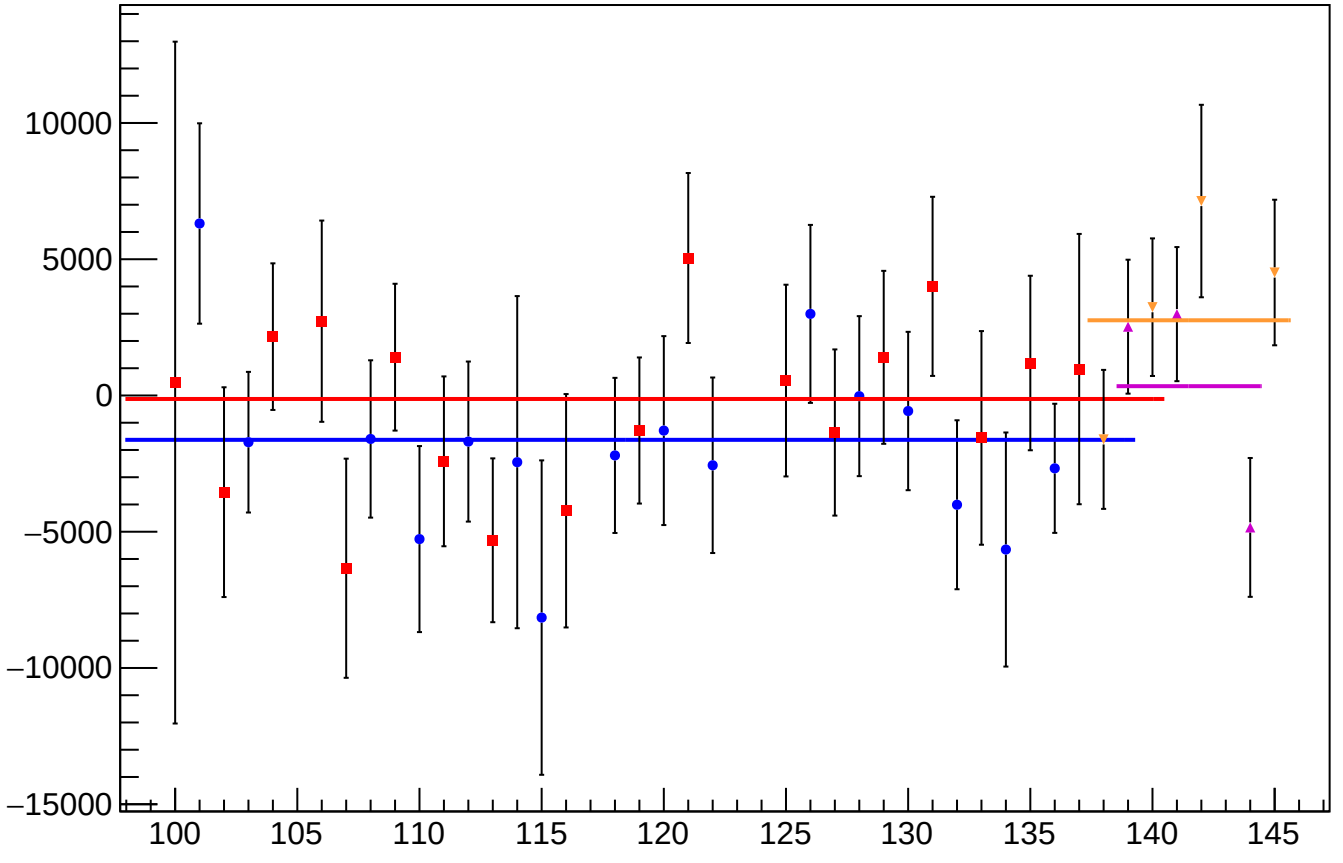
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1279.783+/-0.563 χ^2/NDF:62673.2/2

+ sign 1669.841+/-0.400 χ^2/NDF: 2646565.3/19

All: 1676.512+/-0.287 χ^2/NDF: 5252911.6/40

- sign 1683.520+/-0.410 χ^2/NDF: 2605776.8/20



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

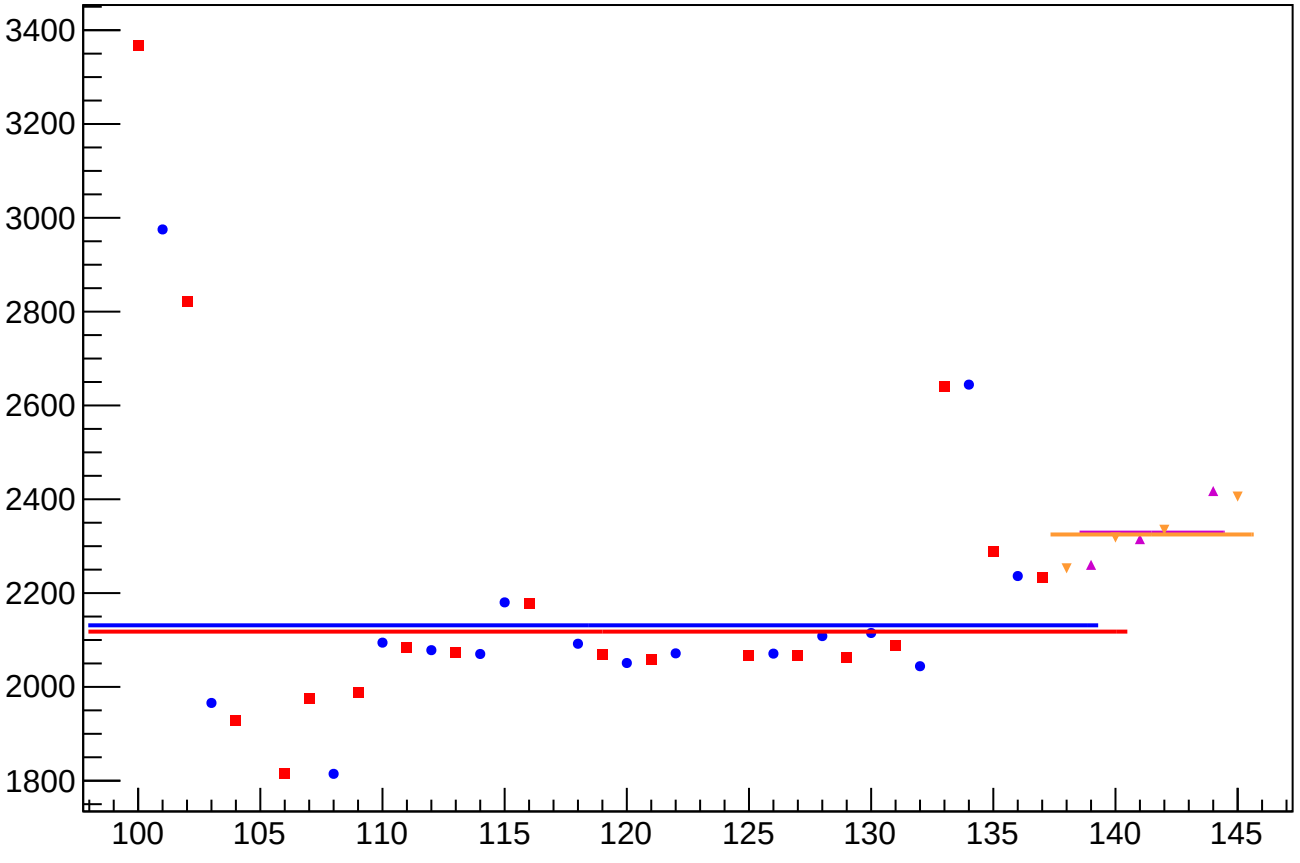
Left In: 341.398+/-1436.231 χ^2/NDF:6.1/2

\+ sign -519.054+/-689.816 χ^2/NDF: 23.9/19

All: -270.716+/-489.999 χ^2/NDF: 44.9/40

\- sign -17.795+/-696.154 χ^2/NDF: 20.7/20

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

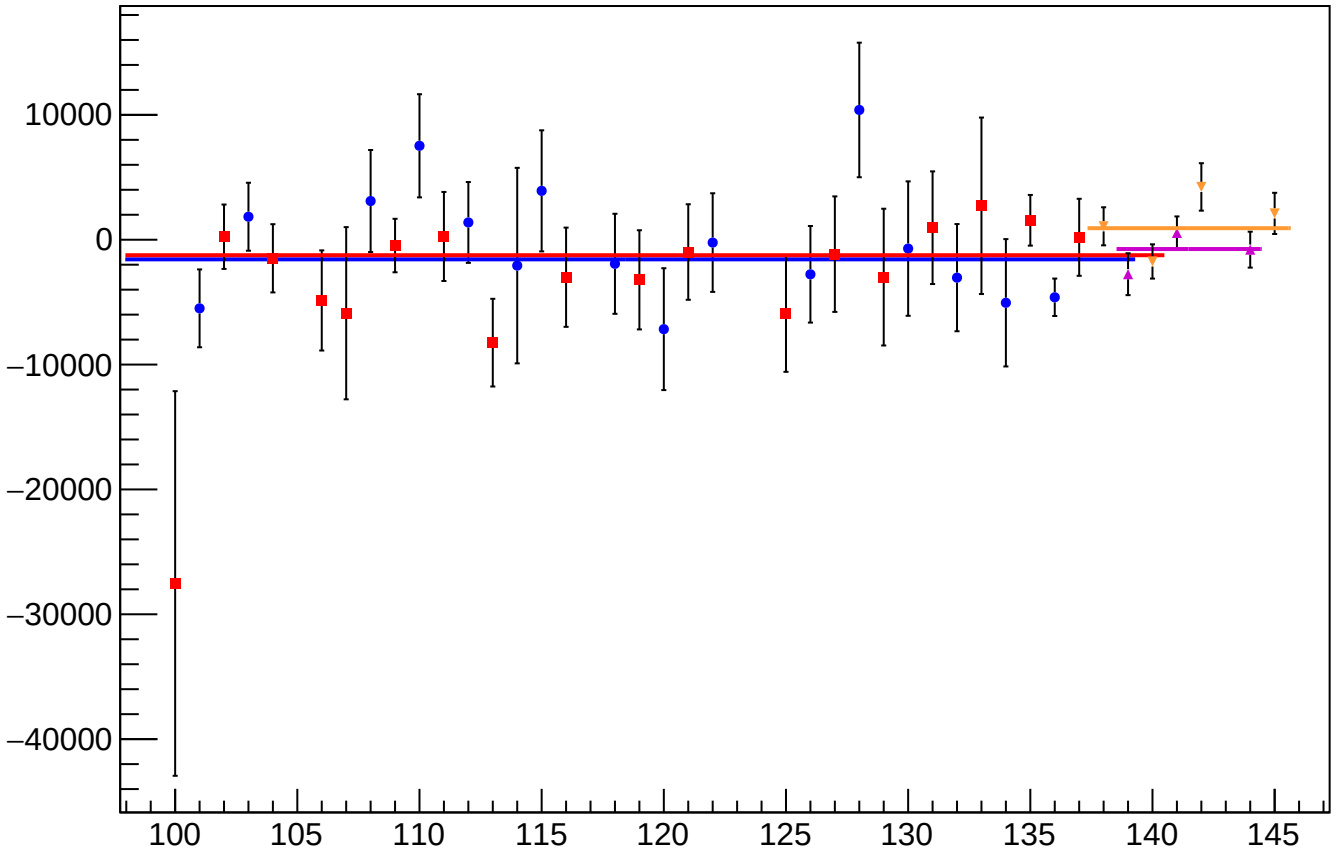
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2328.917+/-1.016 χ^2/NDF:4048.1/2

+ sign 2180.233+/-0.488 χ^2/NDF: 209169.2/19

All: 2173.901+/-0.346 χ^2/NDF: 410220.6/40

- sign 2167.452+/-0.492 χ^2/NDF: 200711.3/20



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: 924.640+/-789.050 χ^2/NDF:7.3/3

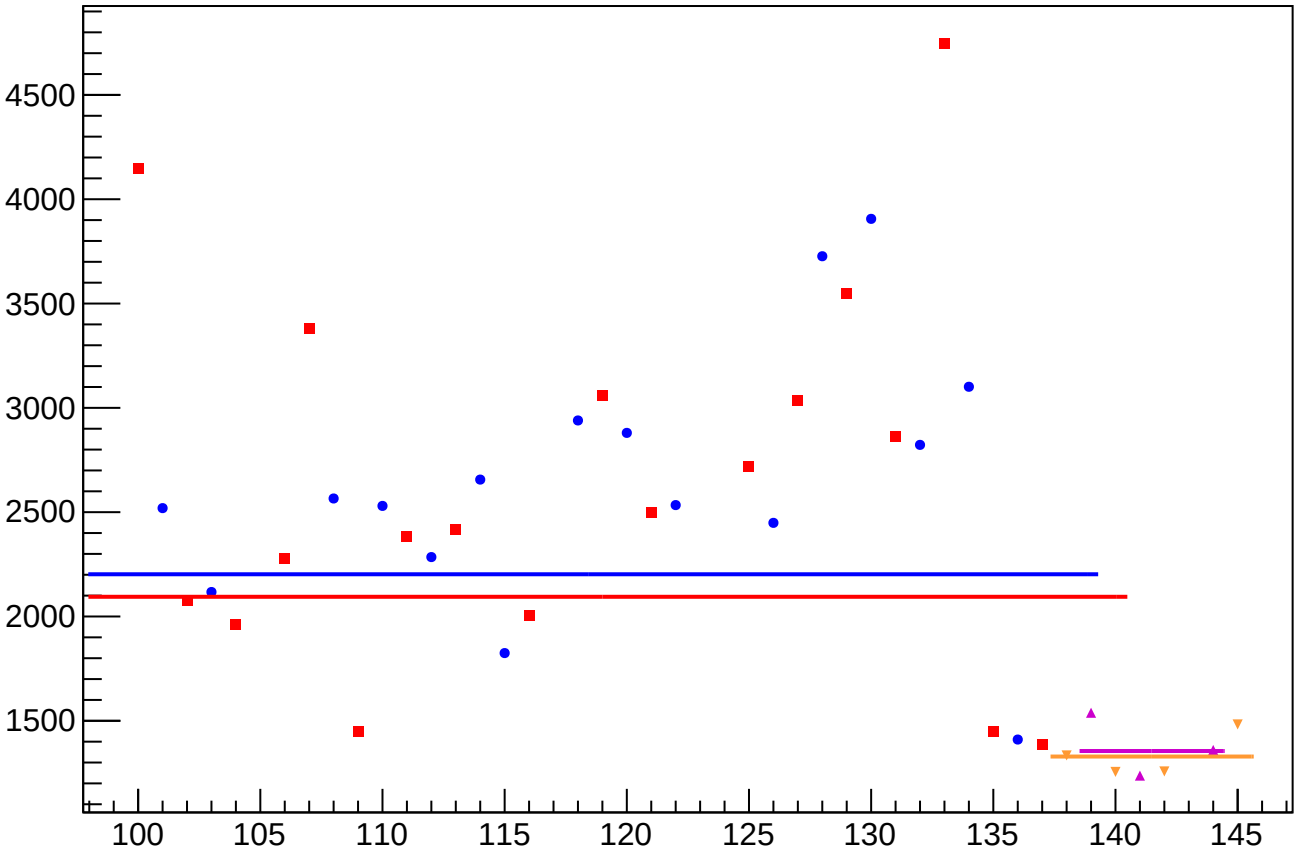
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -744.651+/-841.590 χ^2/NDF:2.4/2

+ sign -216.391+/-581.334 χ^2/NDF: 34.5/19

All: -603.918+/-413.134 χ^2/NDF: 51.0/40

- sign -999.346+/-587.229 χ^2/NDF: 15.6/20



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1328.701+/-0.558 χ^2/NDF:26034.3/3

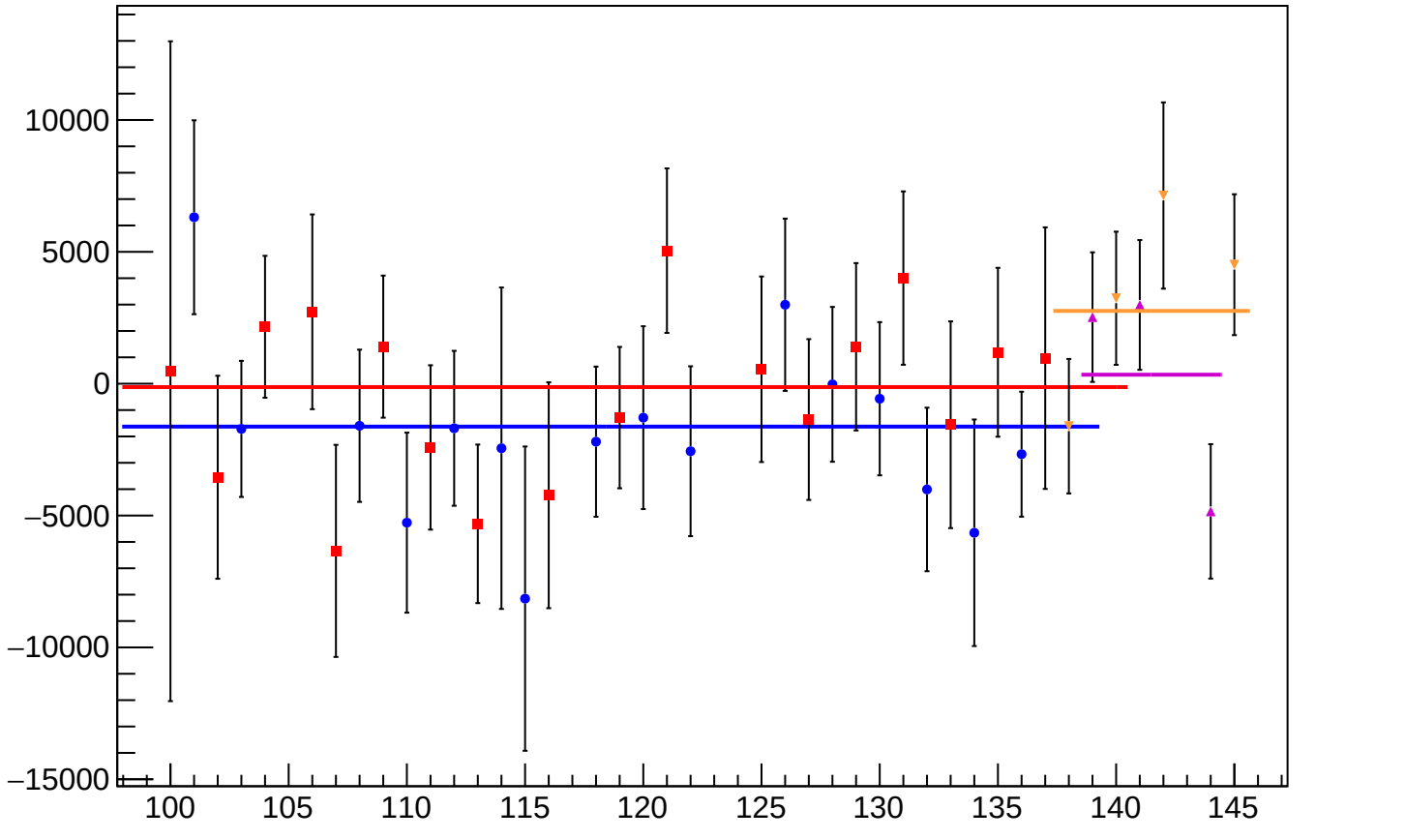
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1355.187+/-0.595 χ^2/NDF:39889.7/2

+ sign 1728.144+/-0.411 χ^2/NDF: 2370053.1/19

All: 1731.300+/-0.292 χ^2/NDF: 4575595.0/40

- sign 1734.522+/-0.415 χ^2/NDF: 2205422.8/20



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

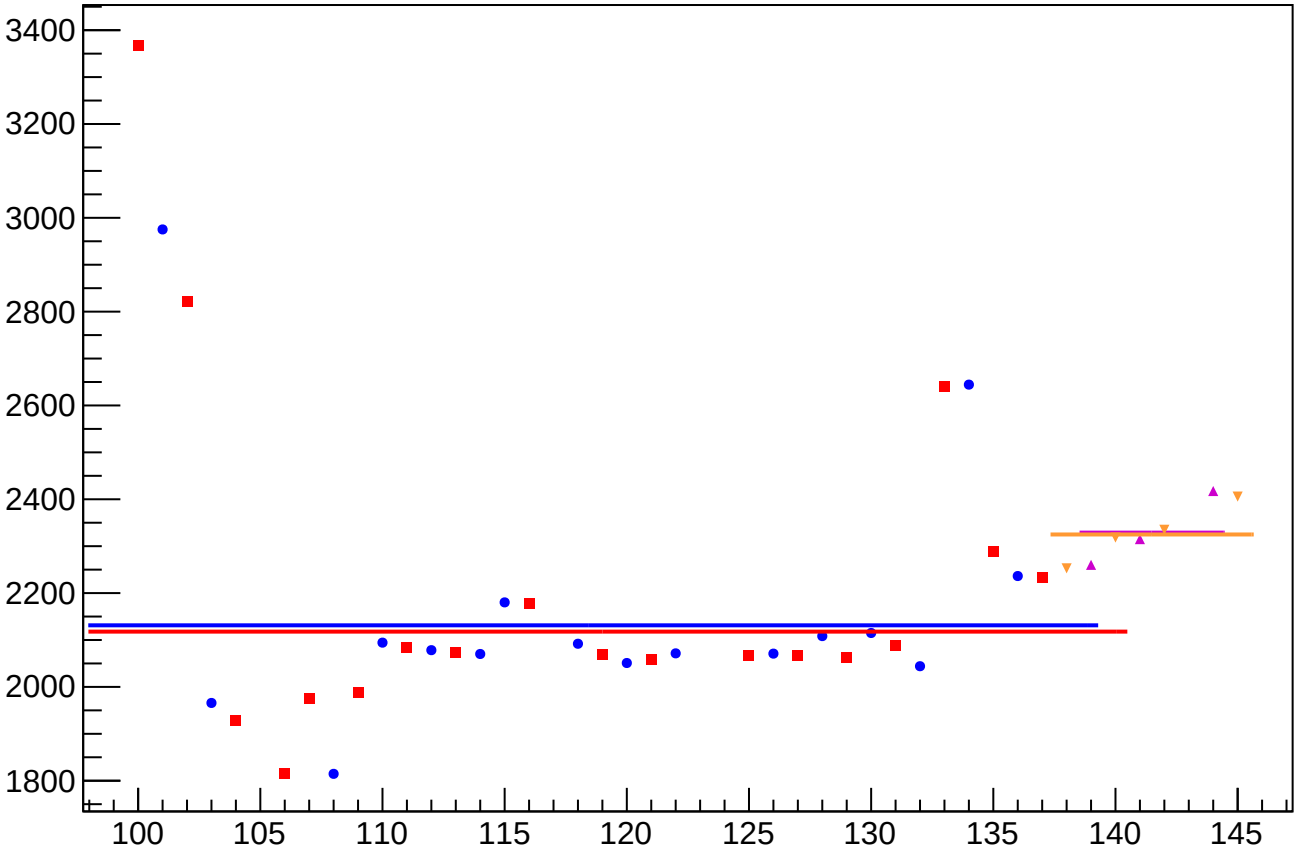
Left In: 341.381+/-1436.231 χ^2/NDF:6.1/2

\+ sign -519.053+/-689.816 χ^2/NDF: 23.9/19

All: -270.715+/-489.999 χ^2/NDF: 44.9/40

\- sign -17.794+/-696.154 χ^2/NDF: 20.7/20

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

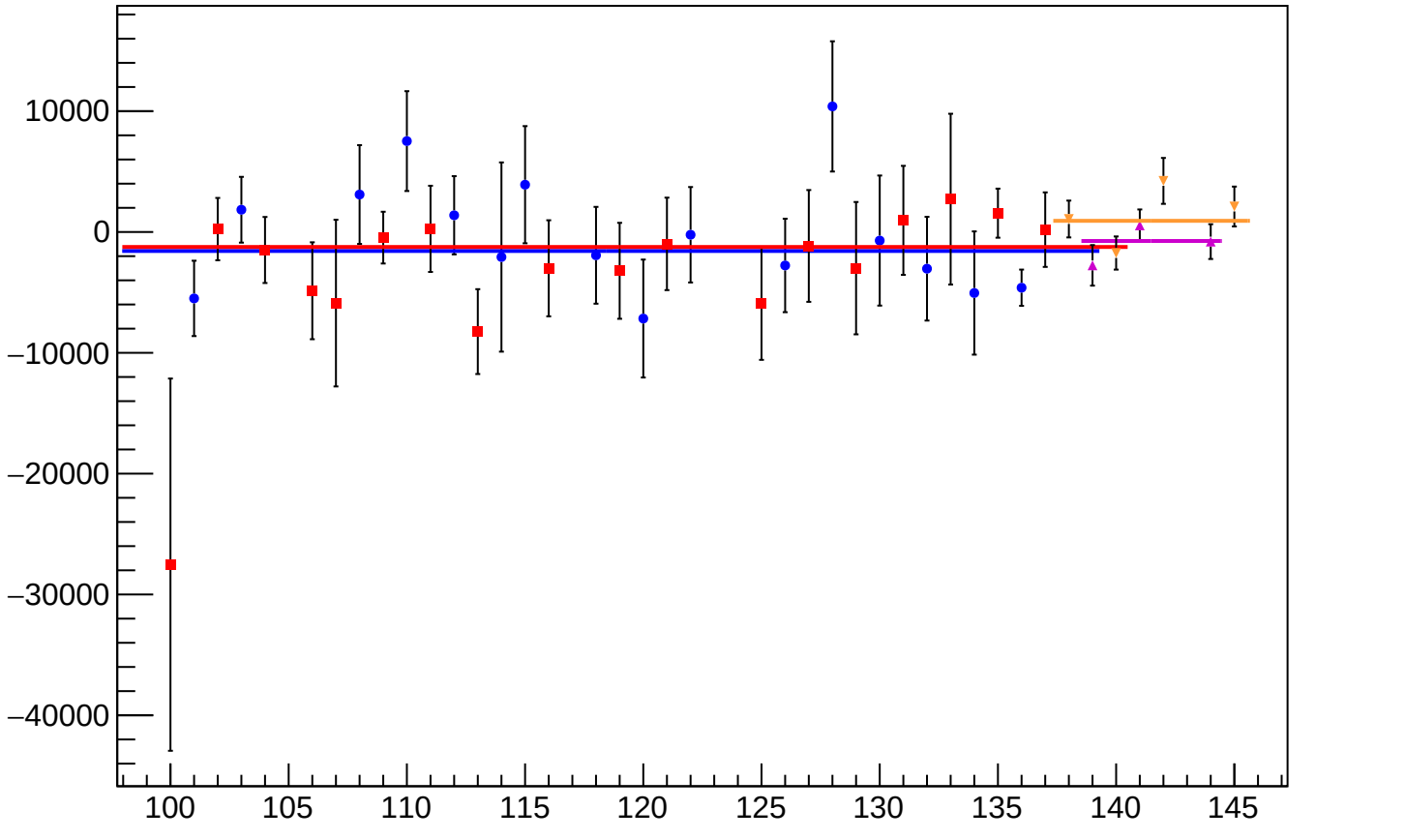
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2328.918+/-1.016 χ^2/NDF:4048.1/2

+ sign 2180.233+/-0.488 χ^2/NDF: 209169.2/19

All: 2173.901+/-0.346 χ^2/NDF: 410220.6/40

- sign 2167.452+/-0.492 χ^2/NDF: 200711.3/20



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: 924.650+/-789.055 χ^2/NDF:7.3/3

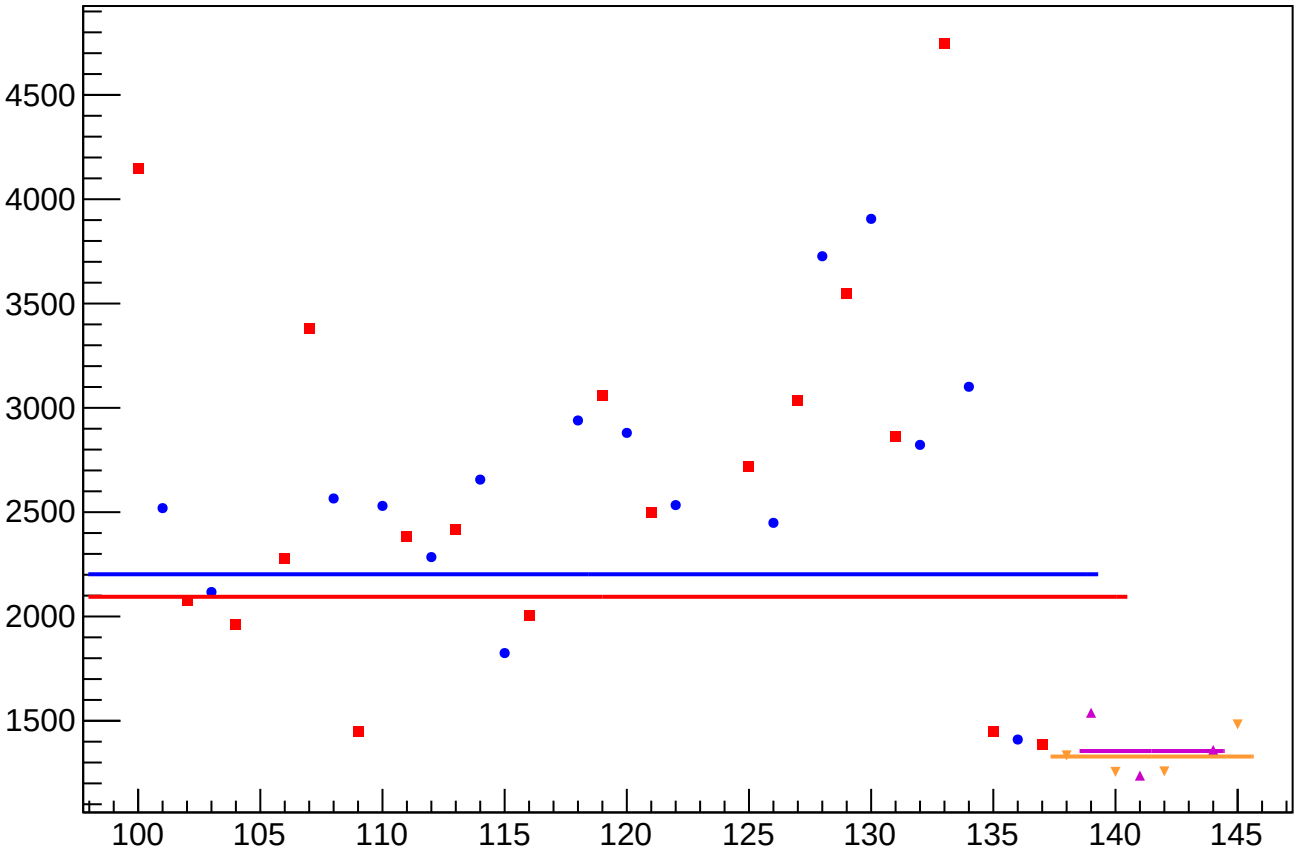
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -744.646+/-841.595 χ^2/NDF:2.4/2

+ sign -216.384+/-581.337 χ^2/NDF: 34.5/19

All: -603.918+/-413.136 χ^2/NDF: 51.0/40

- sign -999.352+/-587.232 χ^2/NDF: 15.6/20



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

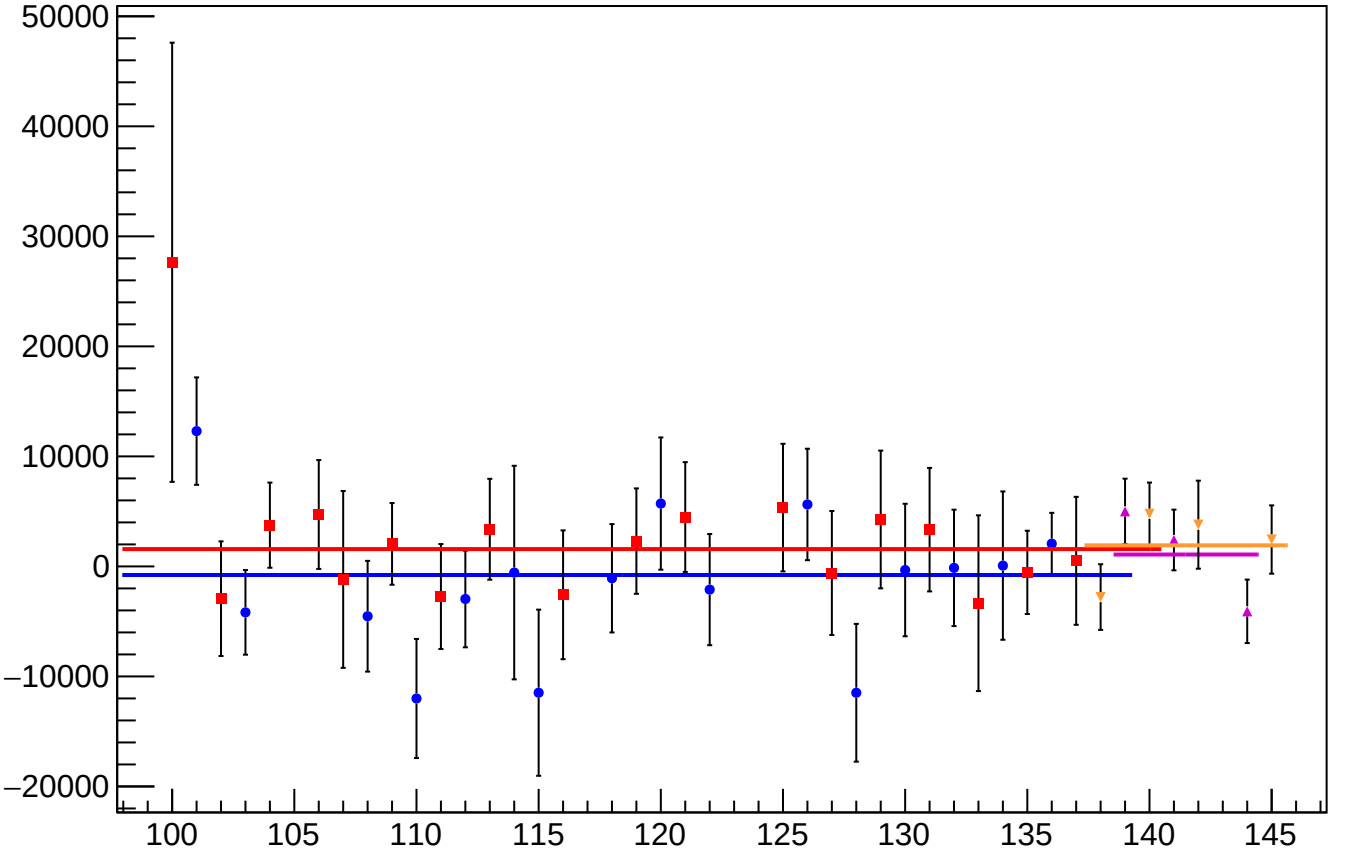
Left In: 1355.194+/-0.595 χ^2/NDF:39895.2/2

+ sign 1728.156+/-0.411 χ^2/NDF: 2369989.1/19

All: 1731.312+/-0.292 χ^2/NDF: 4575494.0/40

- sign 1734.532+/-0.415 χ^2/NDF: 2205385.7/20

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

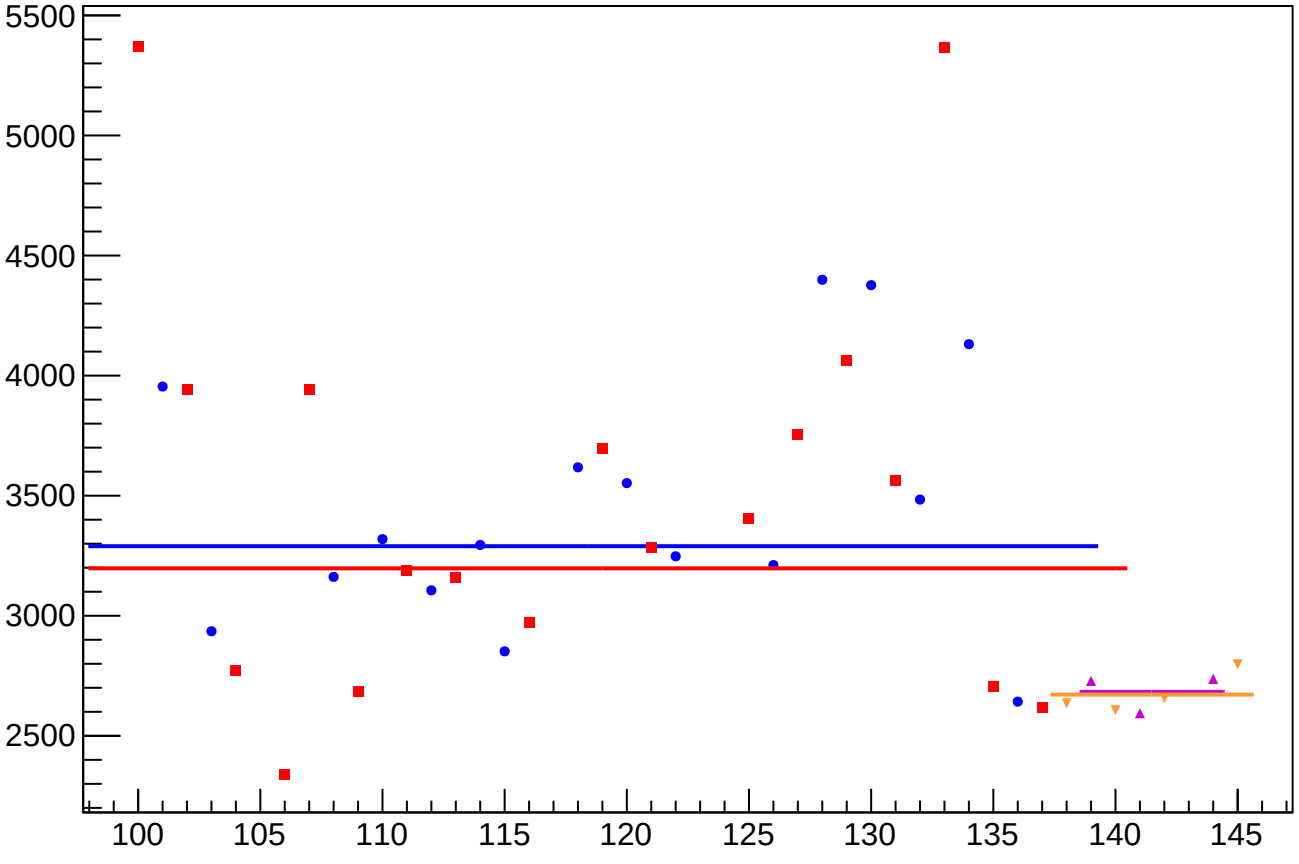
Left In: 1079.825+/-1654.829 χ^2/NDF:5.2/2

+ sign 251.395+/-975.367 χ^2/NDF: 27.5/19

All: 822.438+/-691.826 χ^2/NDF: 40.1/40

- sign 1400.615+/-981.441 χ^2/NDF: 12.0/20

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

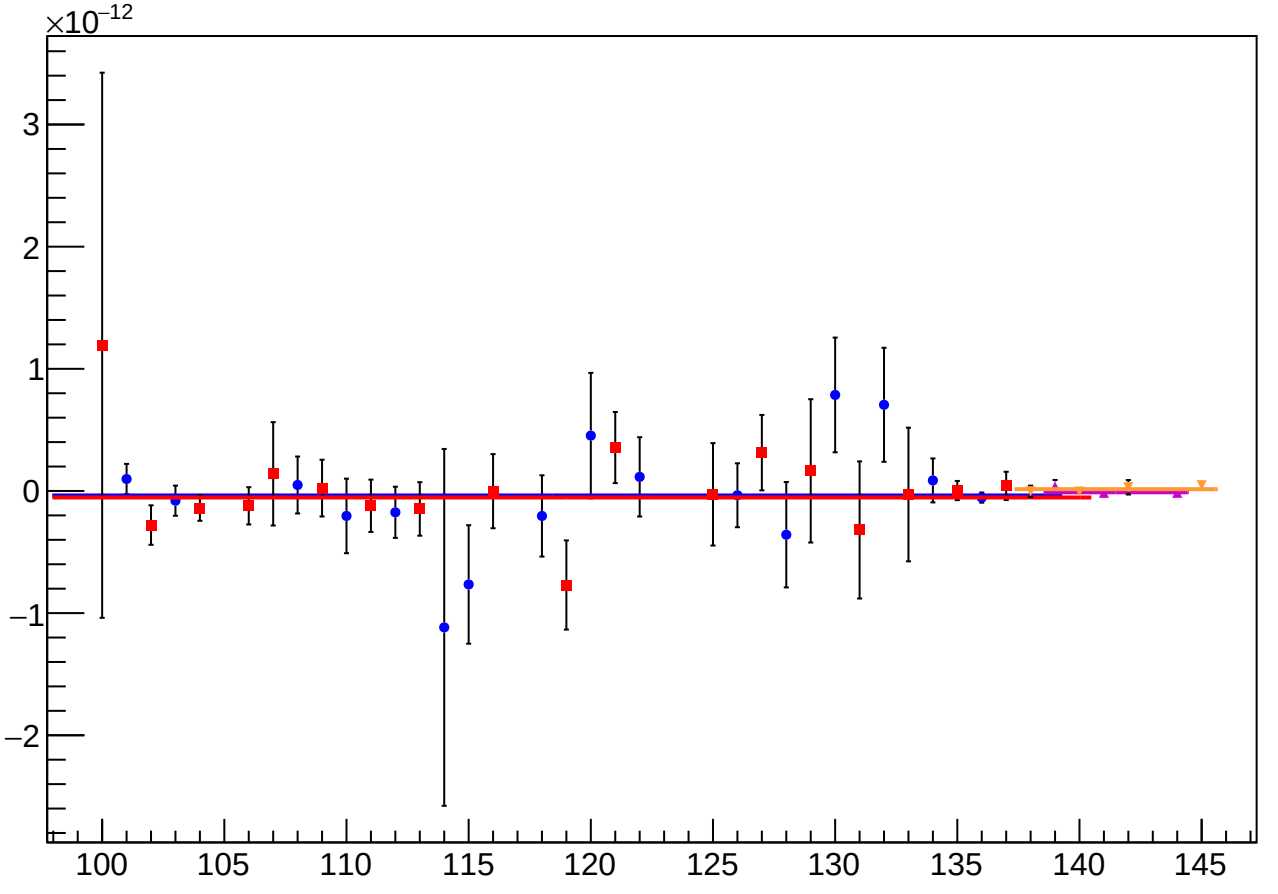
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2683.015+/-1.170 χ^2/NDF:3257.7/2

\+ sign 3053.009+/-0.690 χ^2/NDF: 542010.3/19

All: 3034.847+/-0.489 χ^2/NDF: 1171857.6/40

\- sign 3016.457+/-0.694 χ^2/NDF: 628451.7/20



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

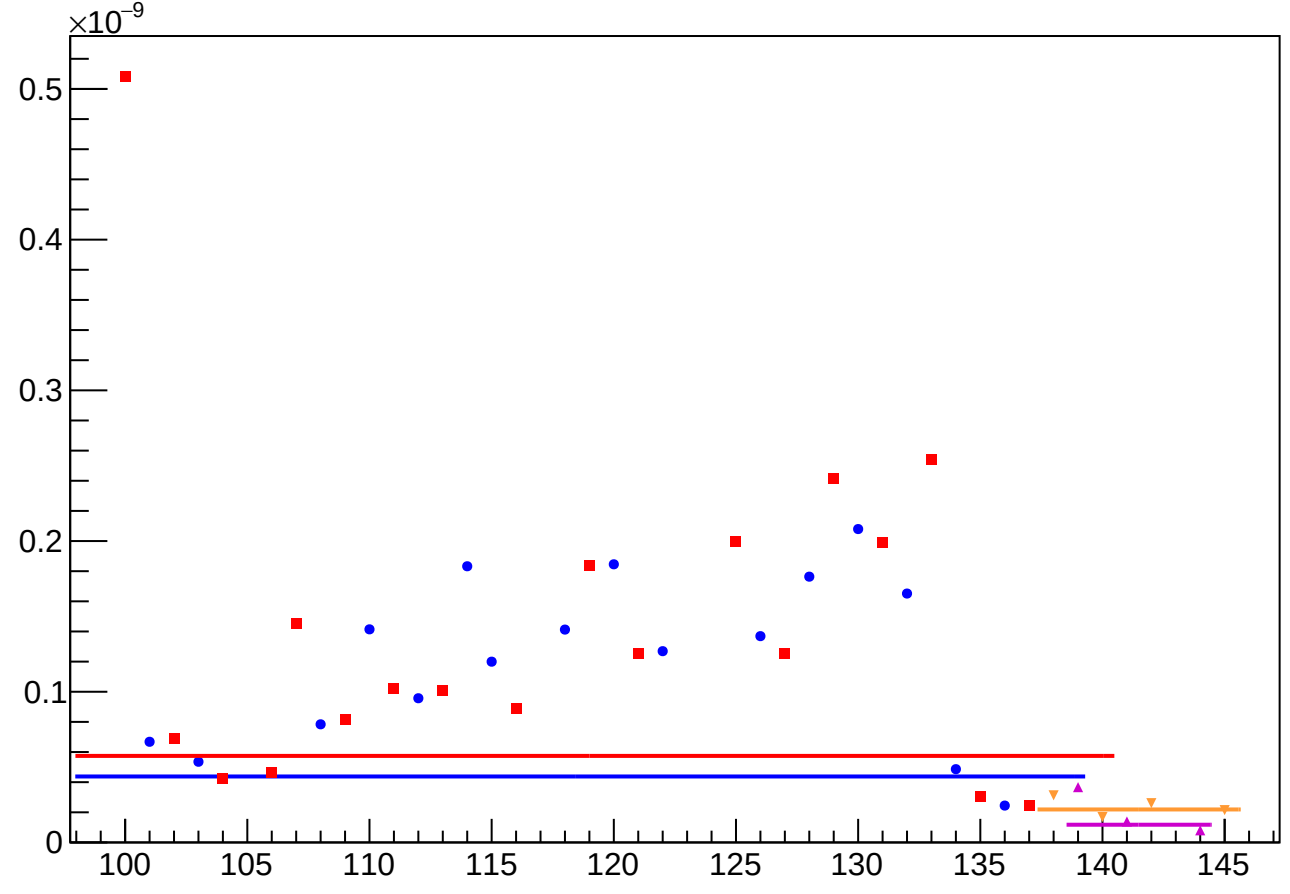
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/19

All: -0.000+/-0.000 χ^2/NDF: 31.1/40

- sign -0.000+/-0.000 χ^2/NDF: 14.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:142276.4/3

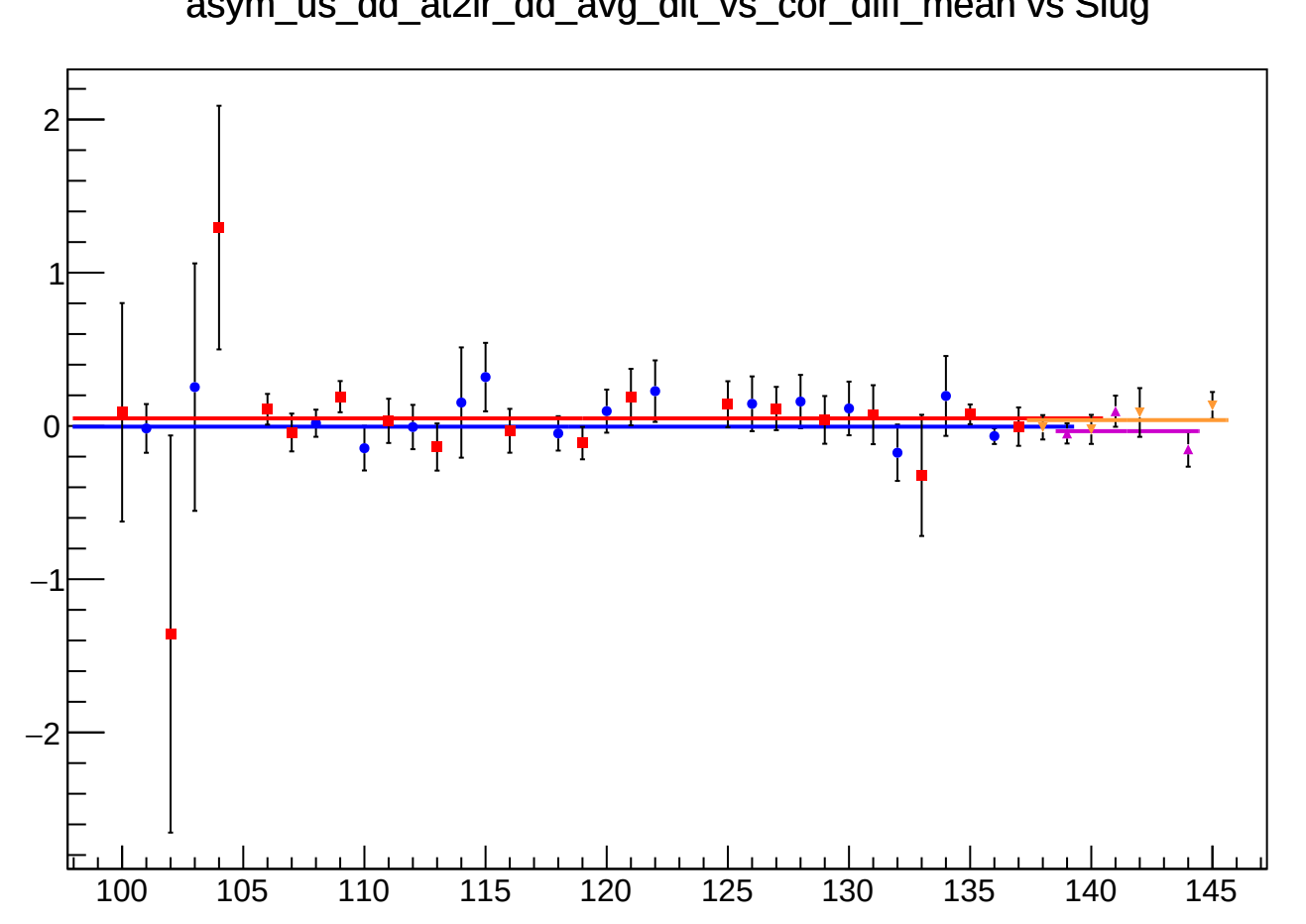
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:538272.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 2976053.2/19

All: 0.000+/-0.000 χ^2/NDF: 8080241.5/40

- sign 0.000+/-0.000 χ^2/NDF: 4616088.7/20



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: 0.038+/-0.048 χ^2/NDF:2.0/3

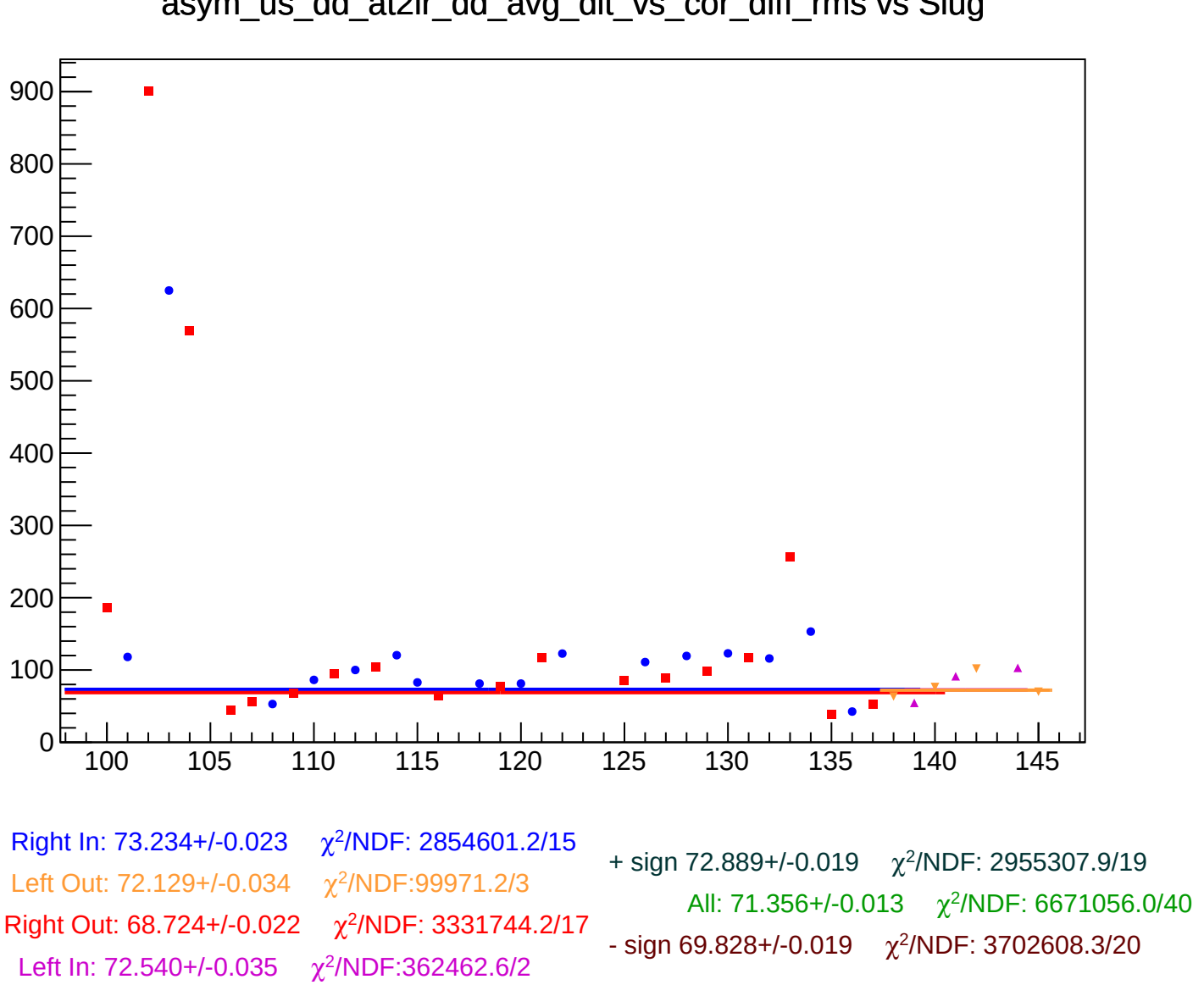
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.034+/-0.050 χ^2/NDF:2.8/2

+ sign 0.009+/-0.027 χ^2/NDF: 12.9/19

All: 0.017+/-0.019 χ^2/NDF: 30.9/40

- sign 0.025+/-0.027 χ^2/NDF: 17.8/20


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug
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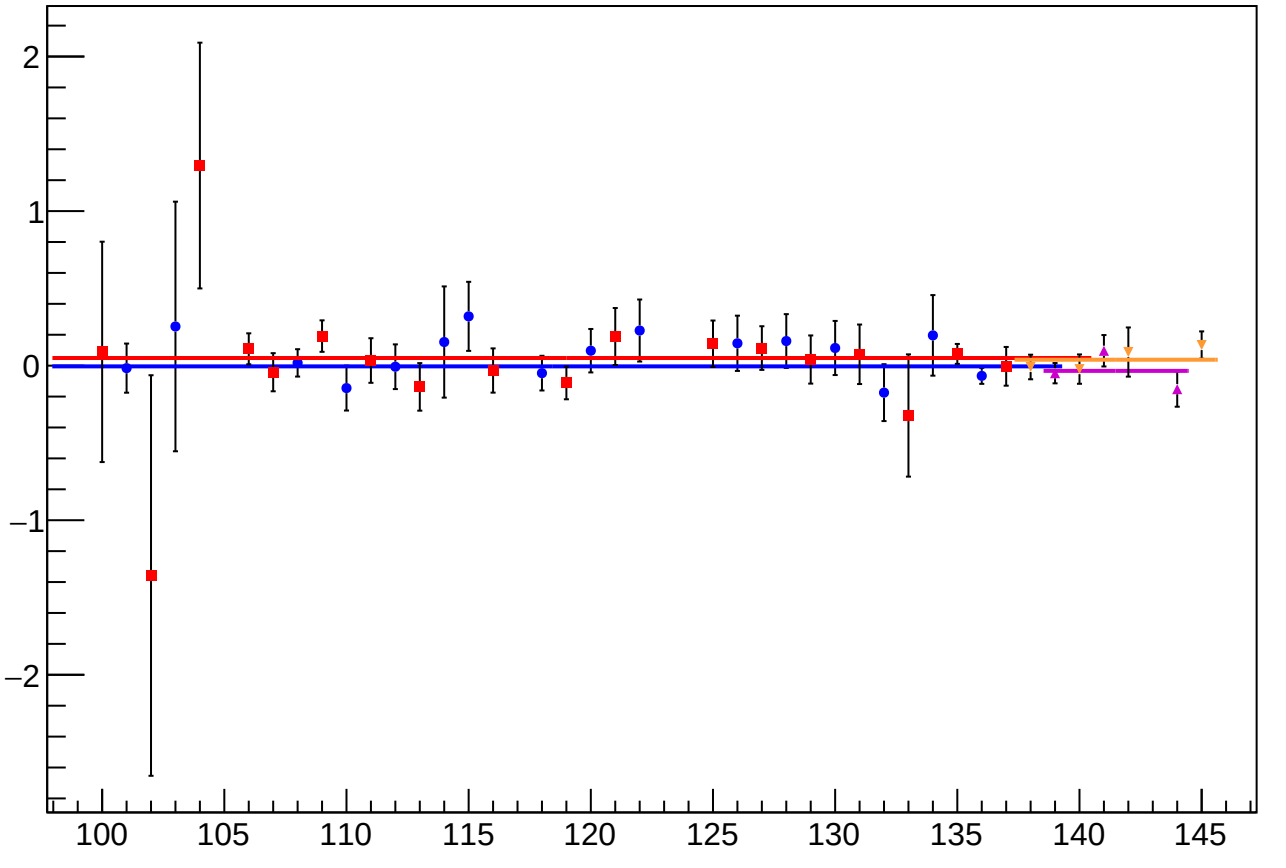
Right In: 73.234+/-0.023 χ²/NDF: 2854601.2/15
Left Out: 72.129+/-0.034 χ²/NDF:99971.2/3
Right Out: 68.724+/-0.022 χ²/NDF: 3331744.2/17
Left In: 72.540+/-0.035 χ²/NDF:362462.6/2
+ sign 72.889+/-0.019 χ²/NDF: 2955307.9/19
All: 71.356+/-0.013 χ²/NDF: 6671056.0/40
- sign 69.828+/-0.019 χ²/NDF: 3702608.3/20



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: 0.038+/-0.048 χ^2/NDF:2.0/3

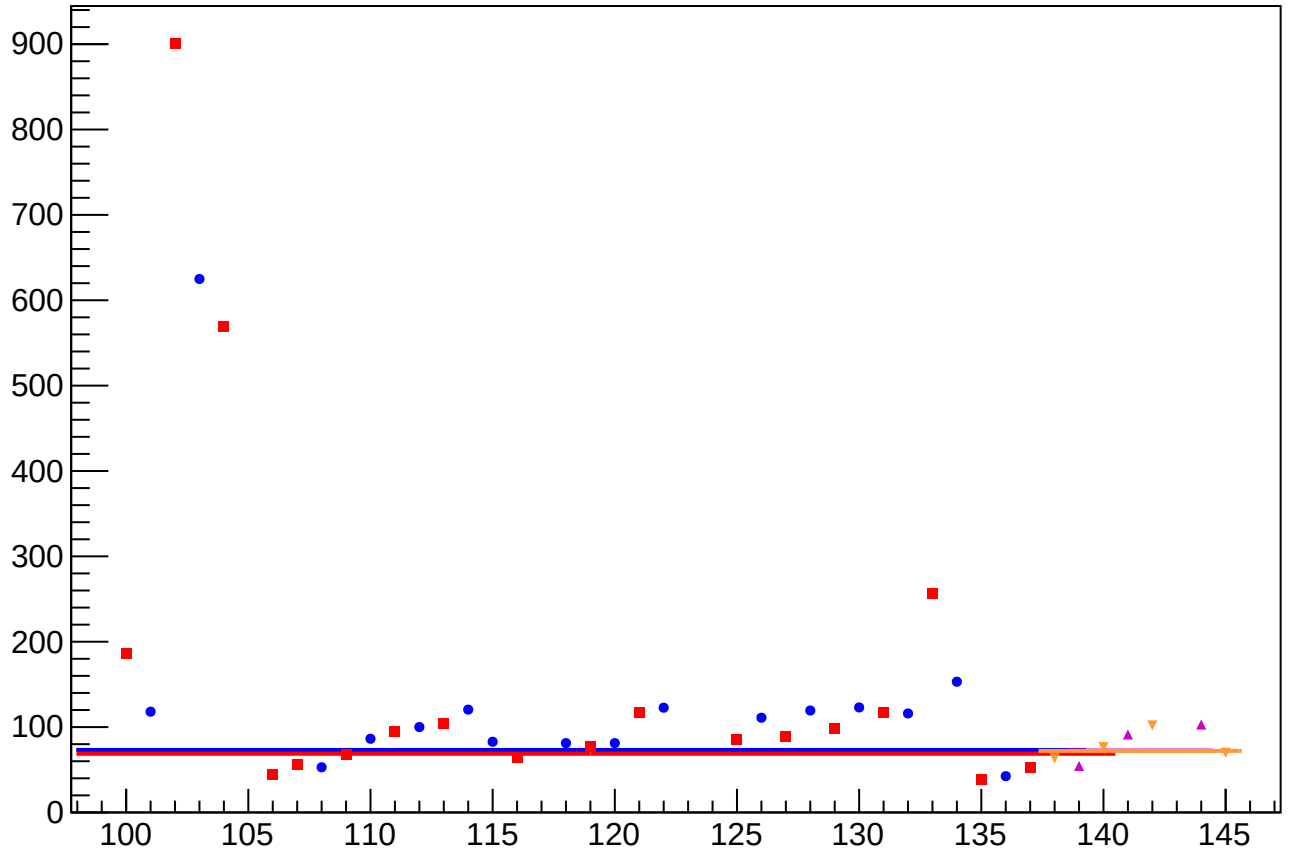
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.034+/-0.050 χ^2/NDF:2.8/2

+ sign 0.009+/-0.027 χ^2/NDF: 12.9/19

All: 0.017+/-0.019 χ^2/NDF: 30.9/40

- sign 0.025+/-0.027 χ^2/NDF: 17.8/20



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 72.129+/-0.034 χ^2/NDF:99971.2/3

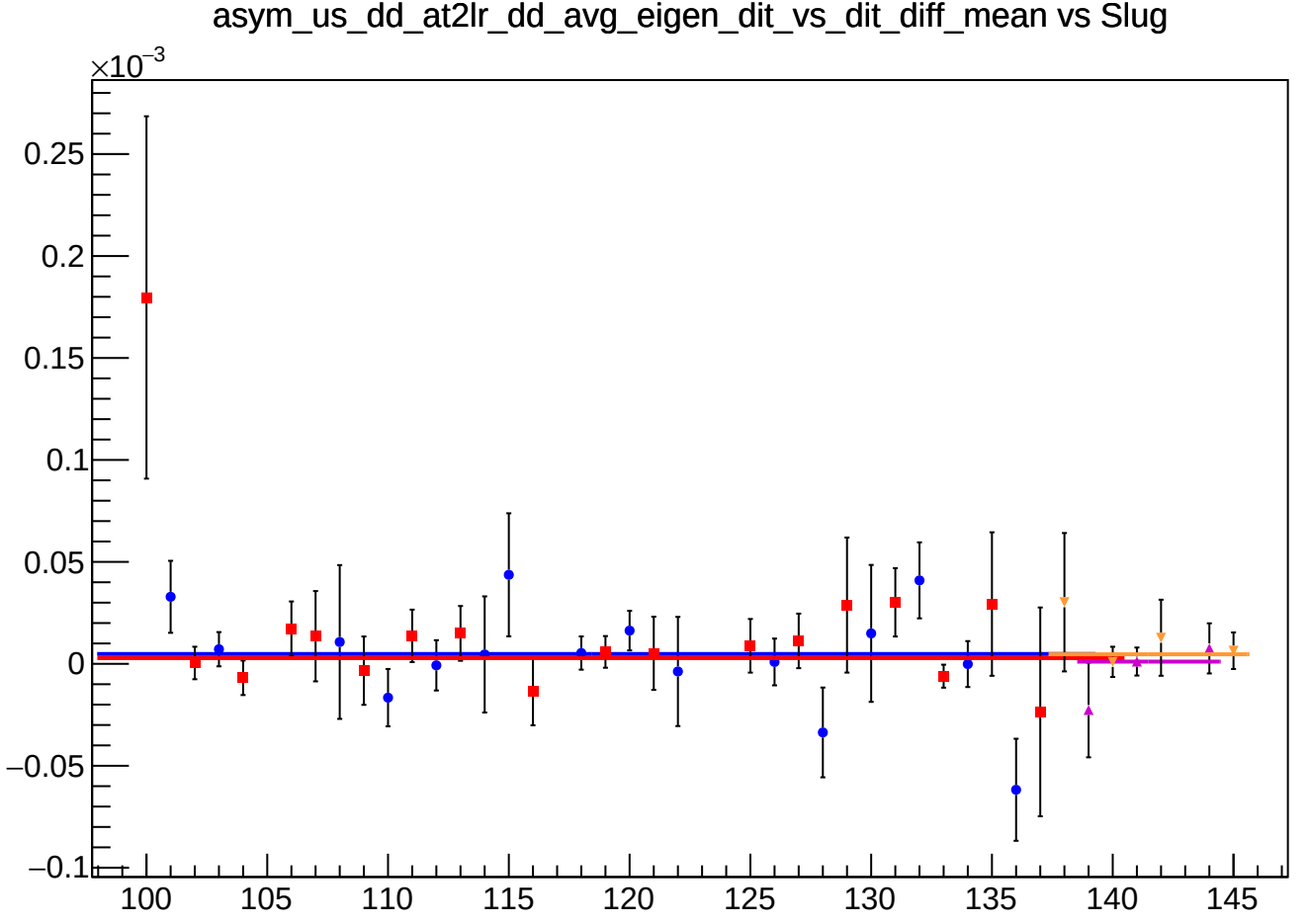
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.540+/-0.035 χ^2/NDF:362462.6/2

+ sign 72.889+/-0.019 χ^2/NDF: 2955307.9/19

All: 71.356+/-0.013 χ^2/NDF: 6671056.0/40

- sign 69.828+/-0.019 χ^2/NDF: 3702608.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

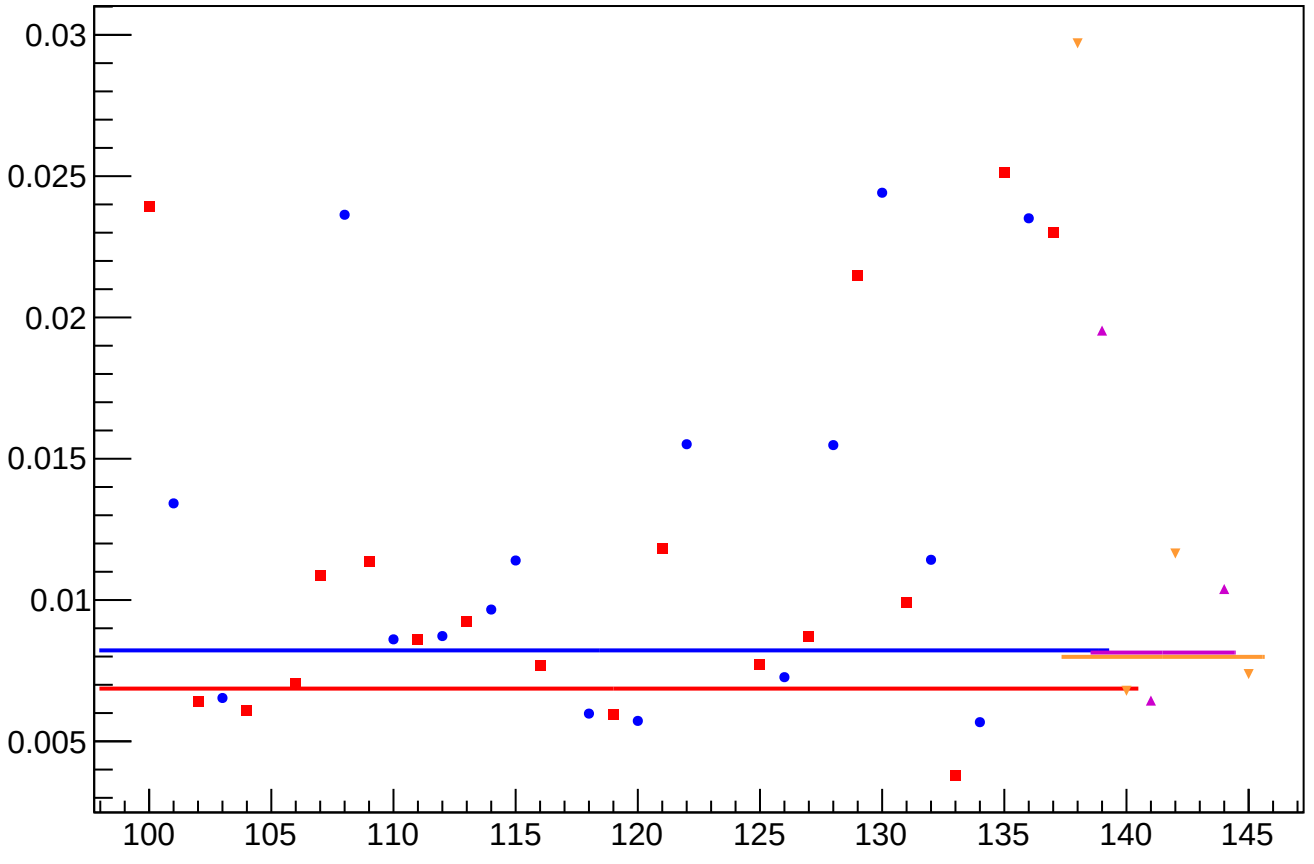
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/19

All: 0.000+/-0.000 χ^2/NDF: 42.2/40

- sign 0.000+/-0.000 χ^2/NDF: 18.2/20



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:957277.1/3

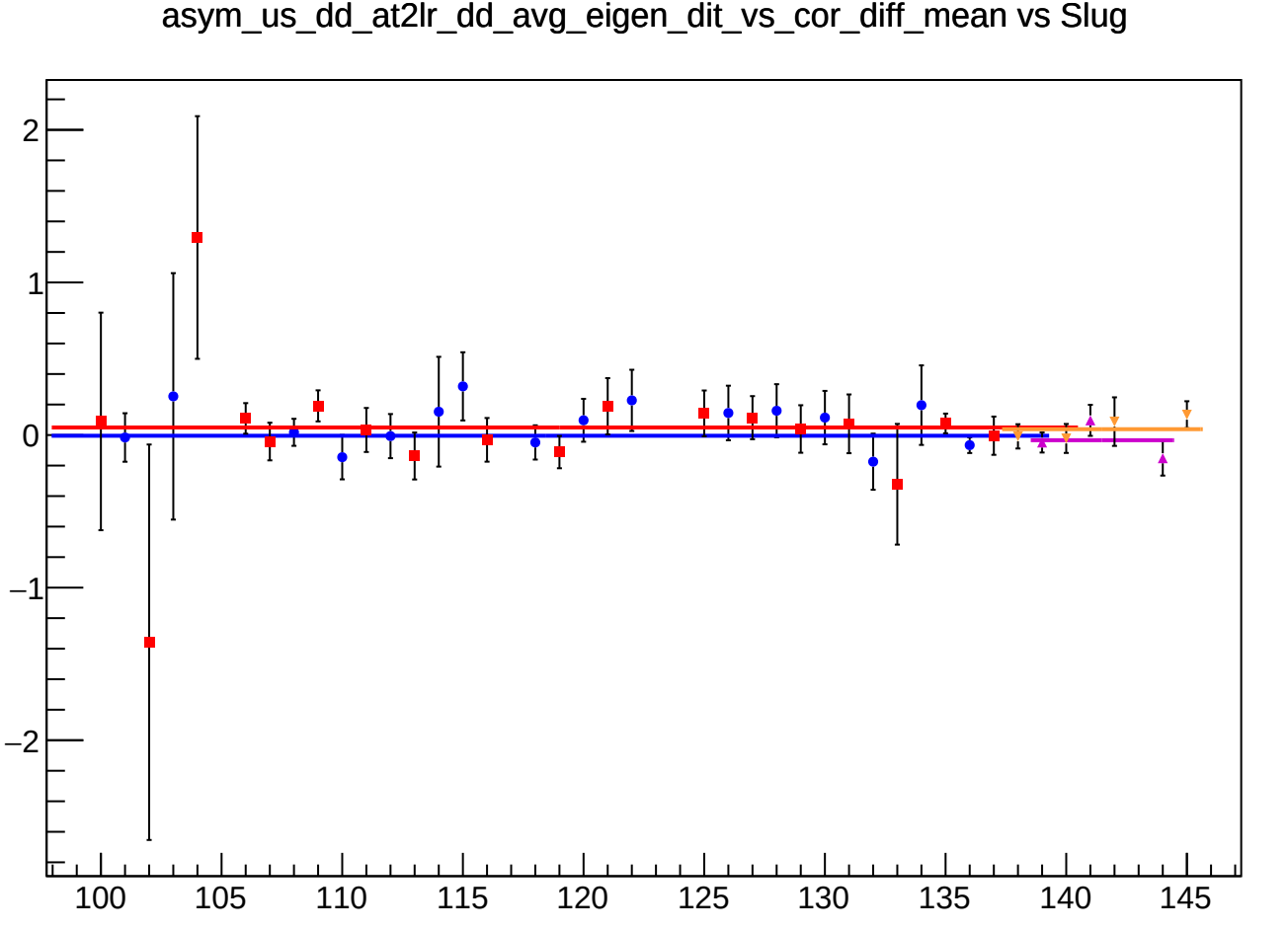
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.008+/-0.000 χ^2/NDF:670247.7/2

+ sign 0.008+/-0.000 χ^2/NDF: 3615985.4/19

All: 0.008+/-0.000 χ^2/NDF: 6933746.5/40

- sign 0.007+/-0.000 χ^2/NDF: 3174570.8/20



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: 0.038+/-0.048 χ^2/NDF:2.0/3

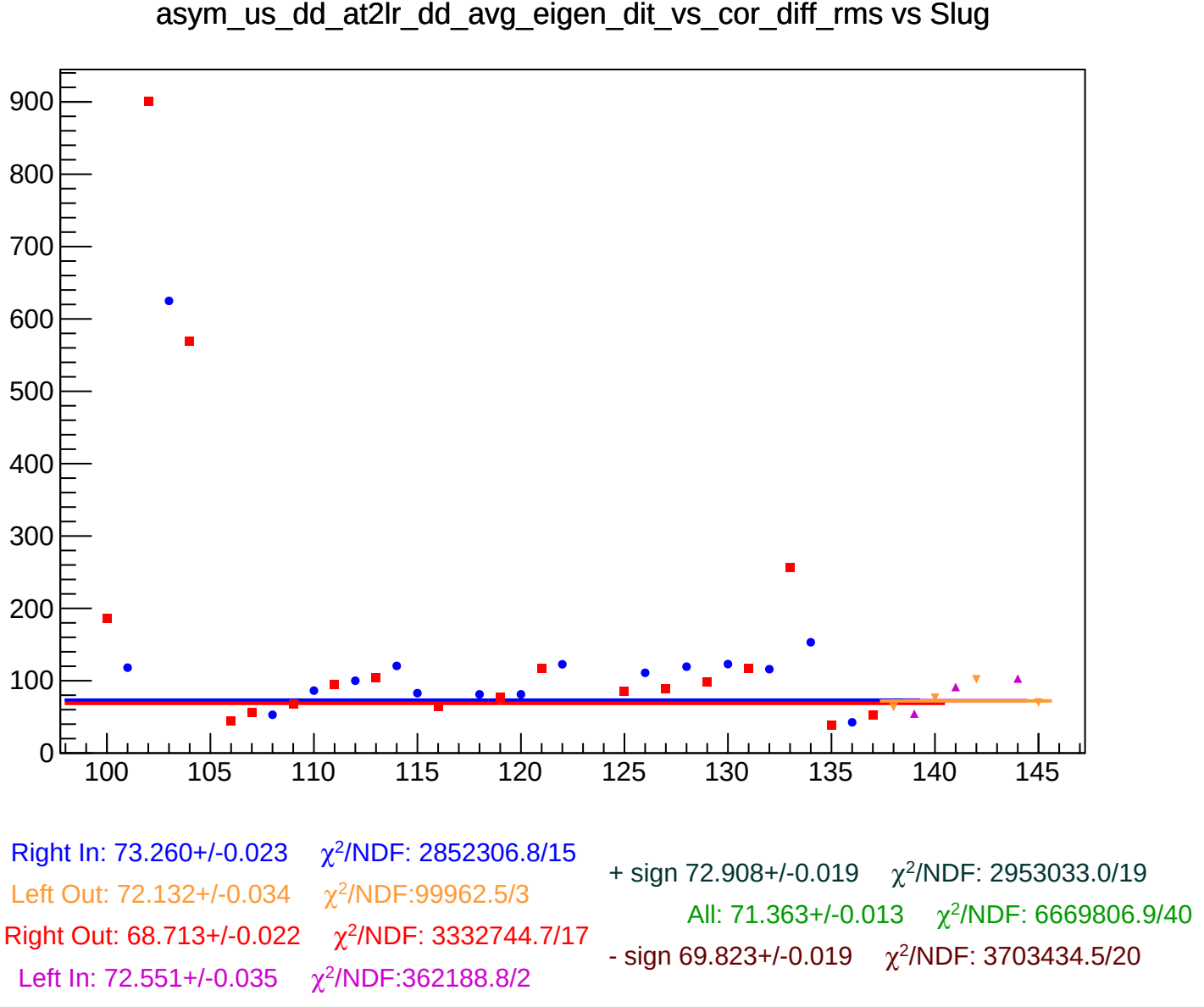
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.034+/-0.050 χ^2/NDF:2.8/2

+ sign 0.009+/-0.027 χ^2/NDF: 12.9/19

All: 0.017+/-0.019 χ^2/NDF: 30.9/40

- sign 0.025+/-0.027 χ^2/NDF: 17.8/20


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
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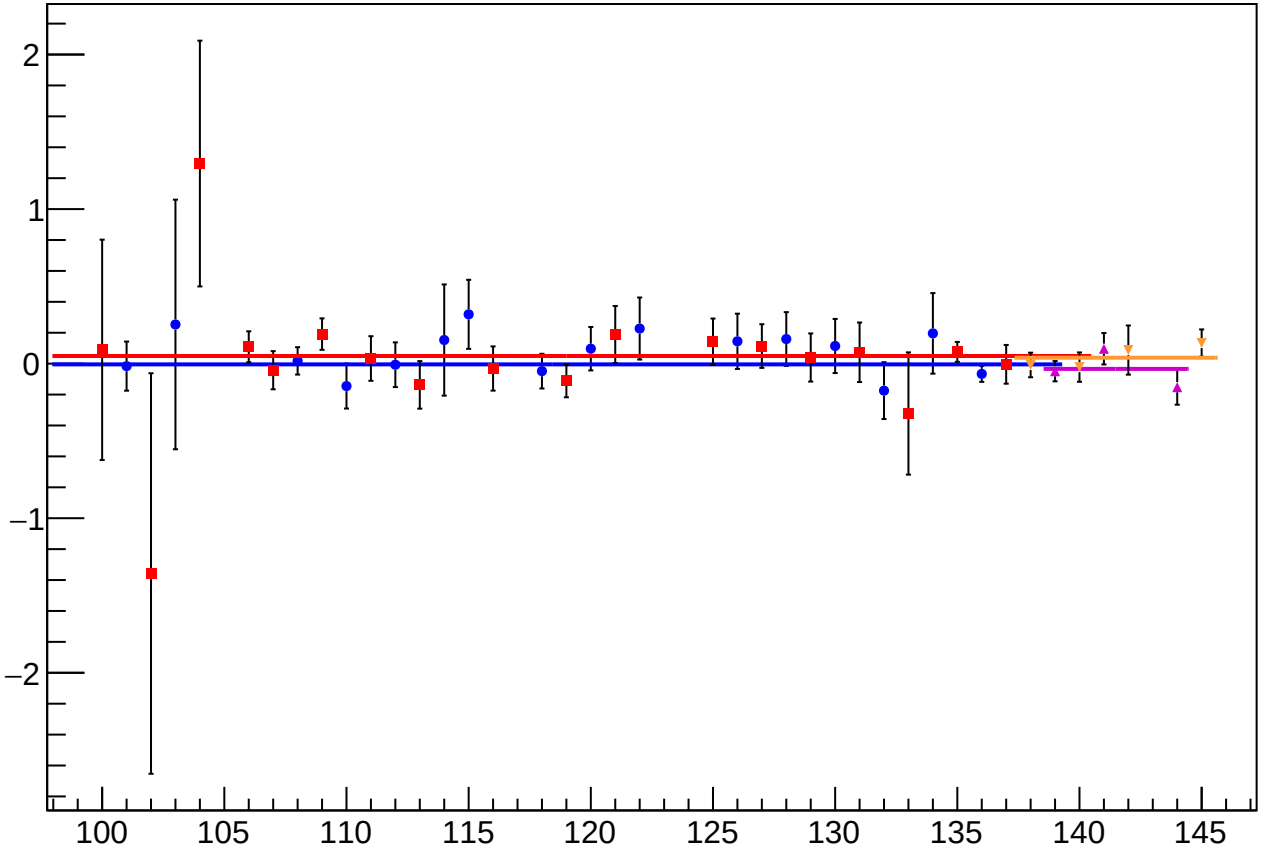
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 72.132+/-0.034 χ²/NDF:99962.5/3
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 72.551+/-0.035 χ²/NDF:362188.8/2
+ sign 72.908+/-0.019 χ²/NDF: 2953033.0/19
All: 71.363+/-0.013 χ²/NDF: 6669806.9/40
- sign 69.823+/-0.019 χ²/NDF: 3703434.5/20

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

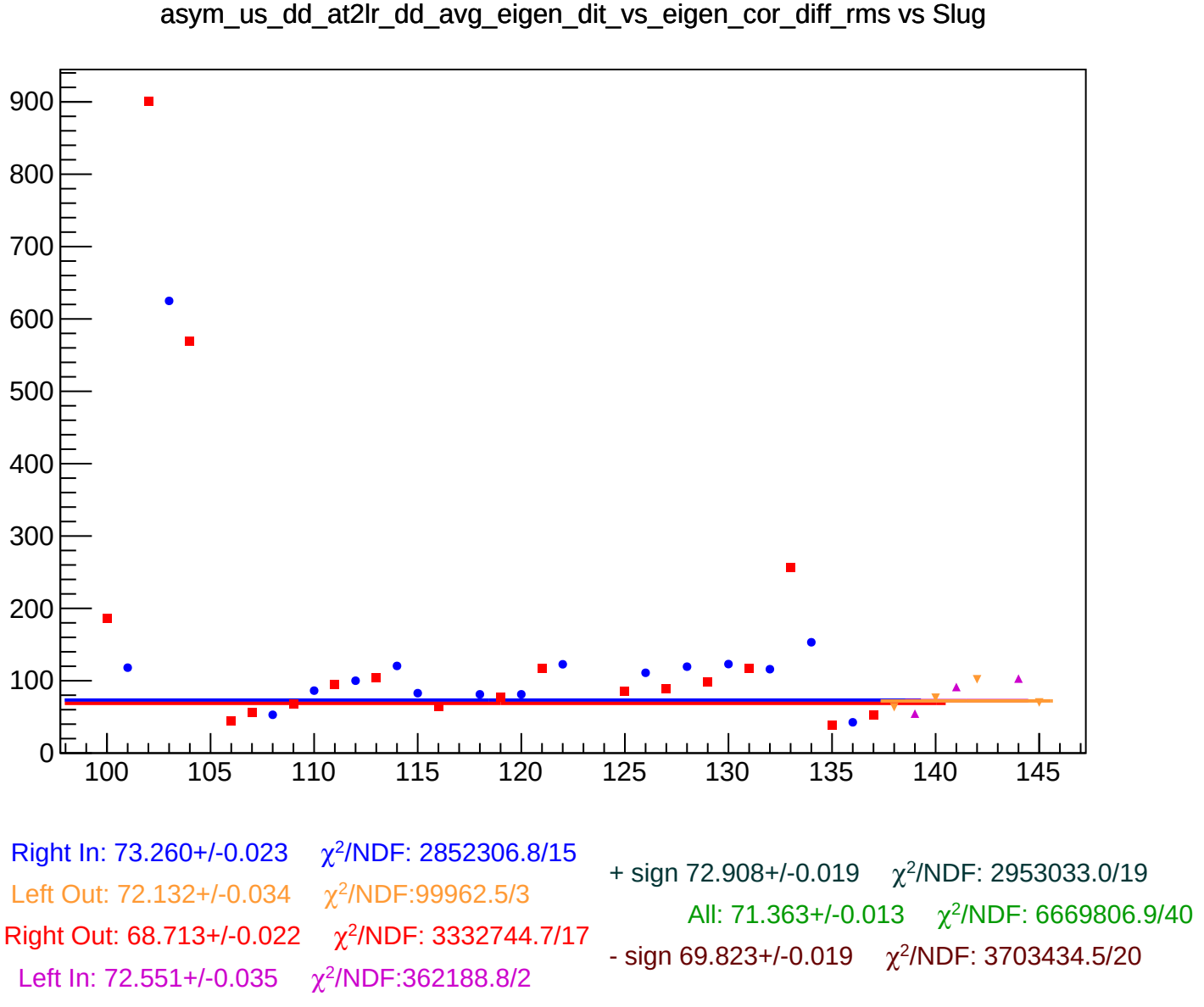
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.034+/-0.050 χ^2/NDF:2.8/2

+ sign 0.009+/-0.027 χ^2/NDF: 12.9/19

All: 0.017+/-0.019 χ^2/NDF: 30.9/40

- sign 0.025+/-0.027 χ^2/NDF: 17.8/20


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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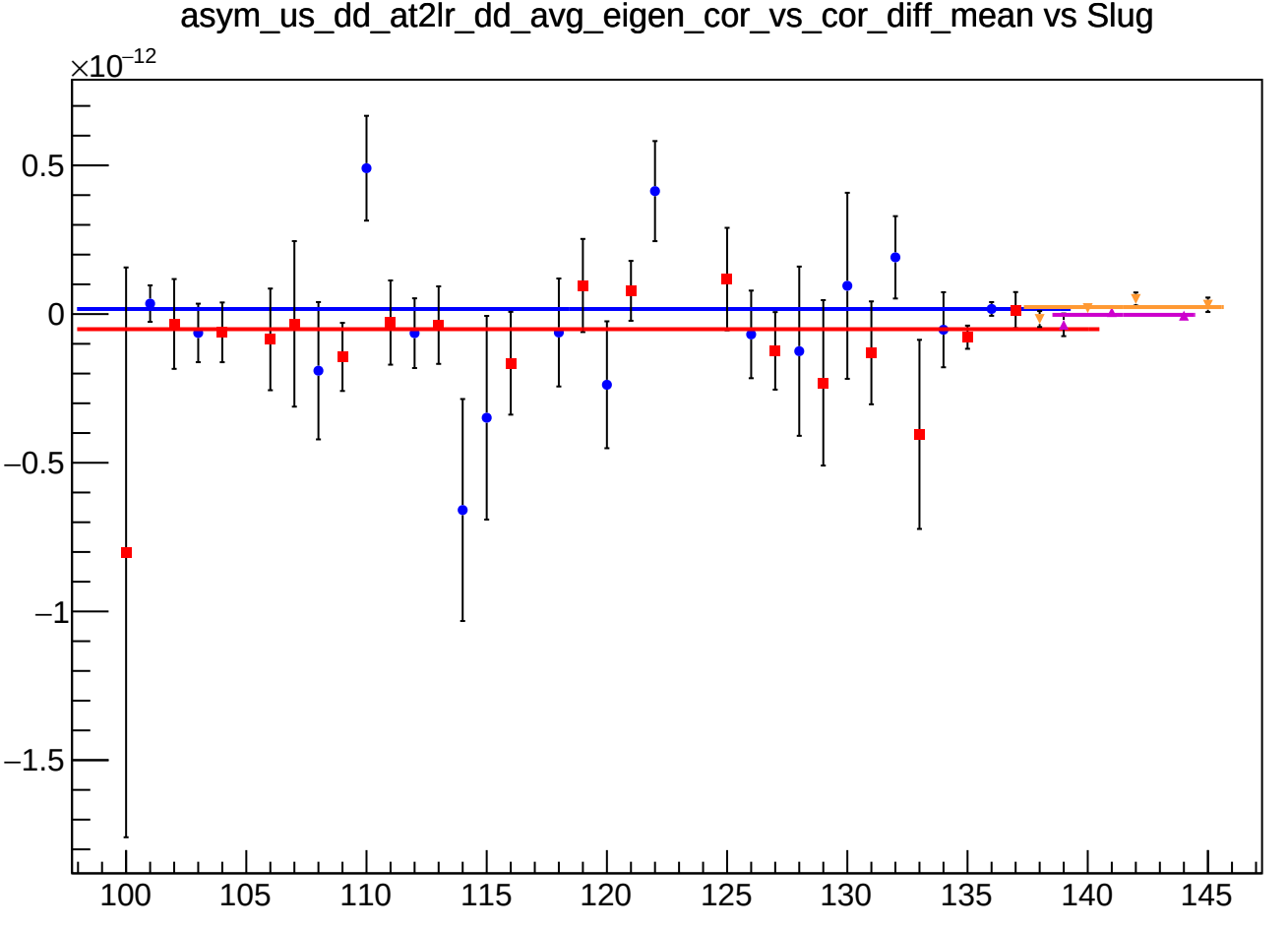
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 72.132+/-0.034 χ²/NDF:99962.5/3
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 72.551+/-0.035 χ²/NDF:362188.8/2
+ sign 72.908+/-0.019 χ²/NDF: 2953033.0/19
All: 71.363+/-0.013 χ²/NDF: 6669806.9/40
- sign 69.823+/-0.019 χ²/NDF: 3703434.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/3

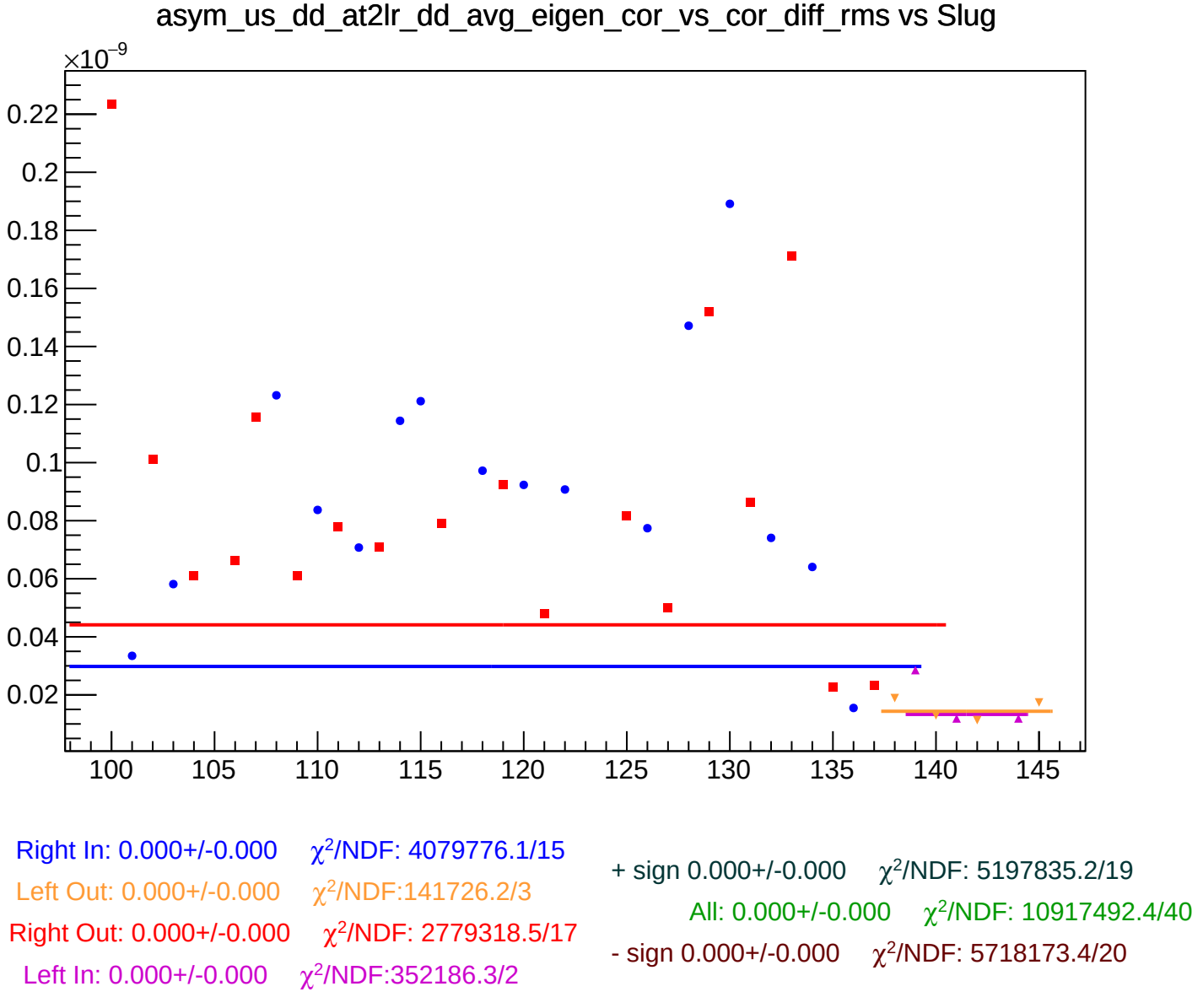
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/19

All: 0.000+/-0.000 χ^2/NDF: 46.4/40

- sign -0.000+/-0.000 χ^2/NDF: 13.4/20


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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0.16
0.14
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0.1
0.08
0.06
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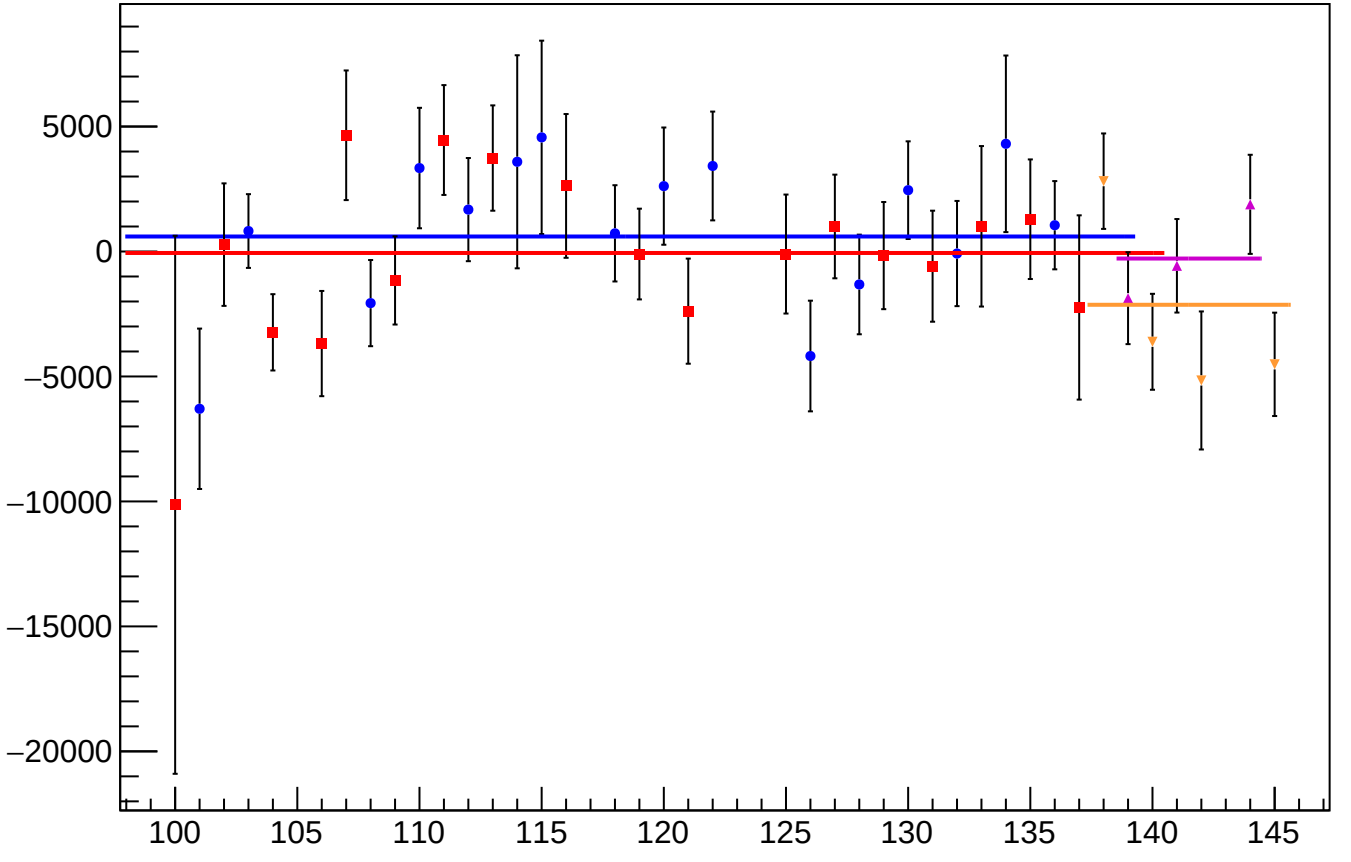
145
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:141726.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:352186.3/2
+ sign 0.000+/-0.000 χ²/NDF: 5197835.2/19
All: 0.000+/-0.000 χ²/NDF: 10917492.4/40
- sign 0.000+/-0.000 χ²/NDF: 5718173.4/20

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

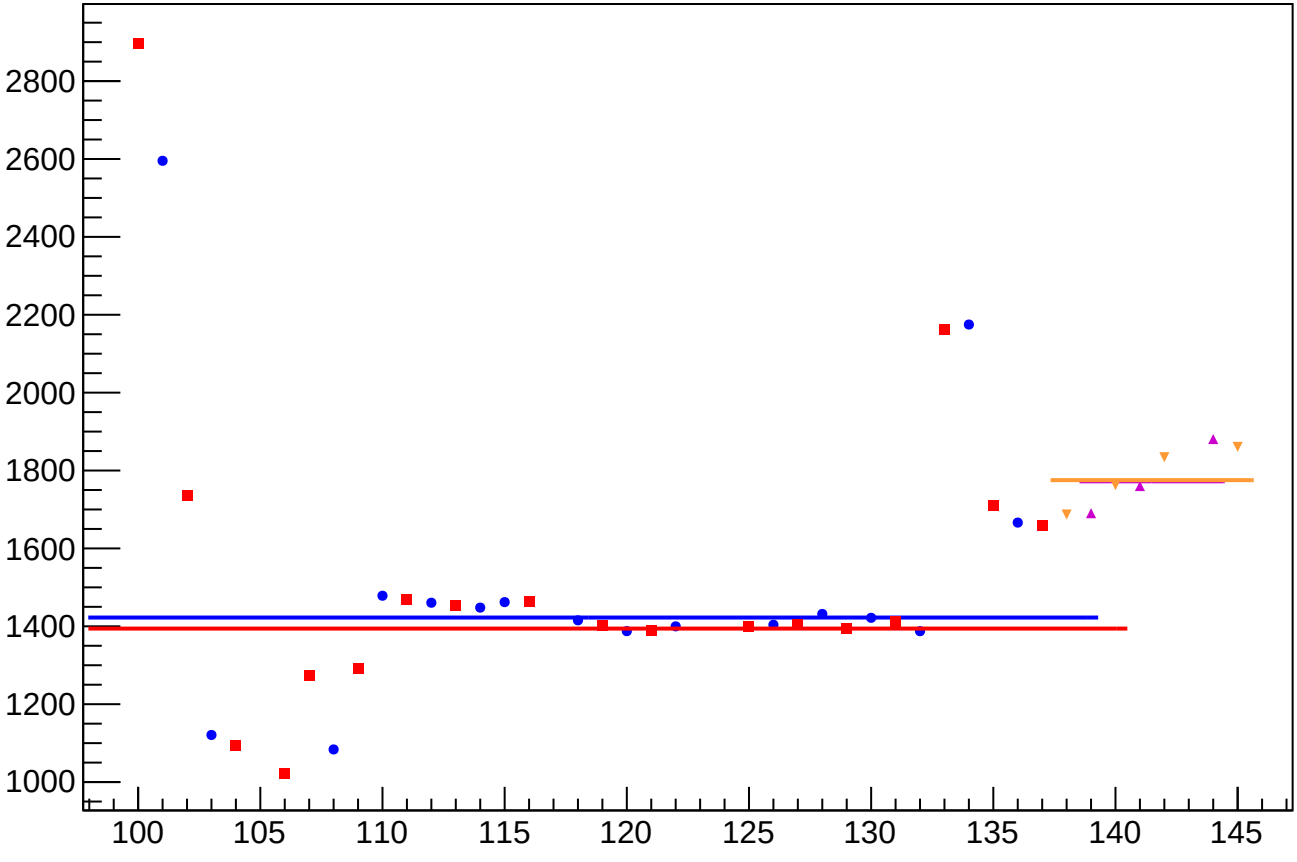
Left In: -281.970+/-1093.716 χ^2/NDF:2.0/2

+ sign 26.829+/-480.055 χ^2/NDF: 35.5/19

All: -37.733+/-338.401 χ^2/NDF: 60.1/40

- sign -101.502+/-477.101 χ^2/NDF: 24.5/20

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

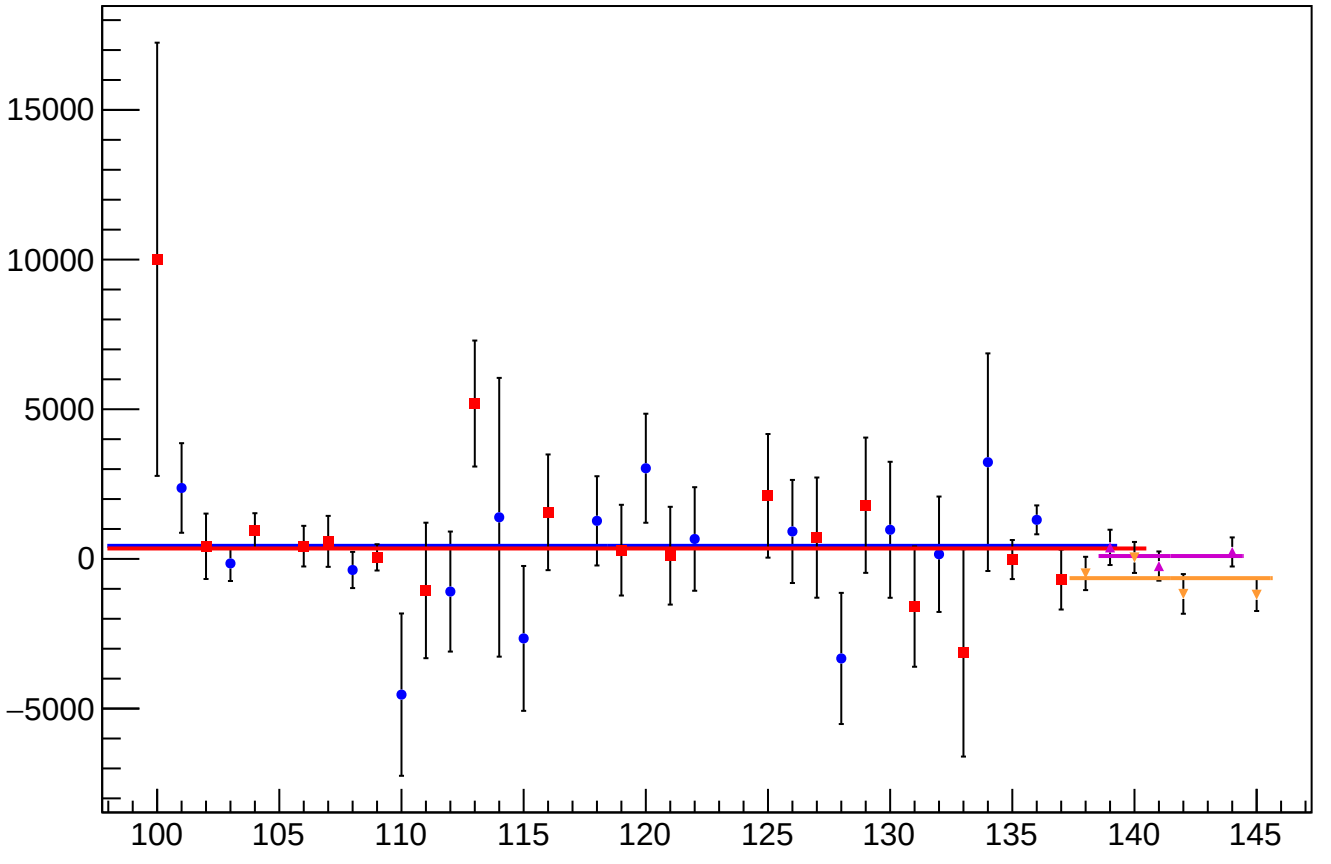
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1772.243+/-0.773 χ^2/NDF:10049.5/2

+ sign 1496.541+/-0.339 χ^2/NDF: 748015.6/19

All: 1481.233+/-0.239 χ^2/NDF: 1349282.7/40

- sign 1466.113+/-0.337 χ^2/NDF: 597224.8/20



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

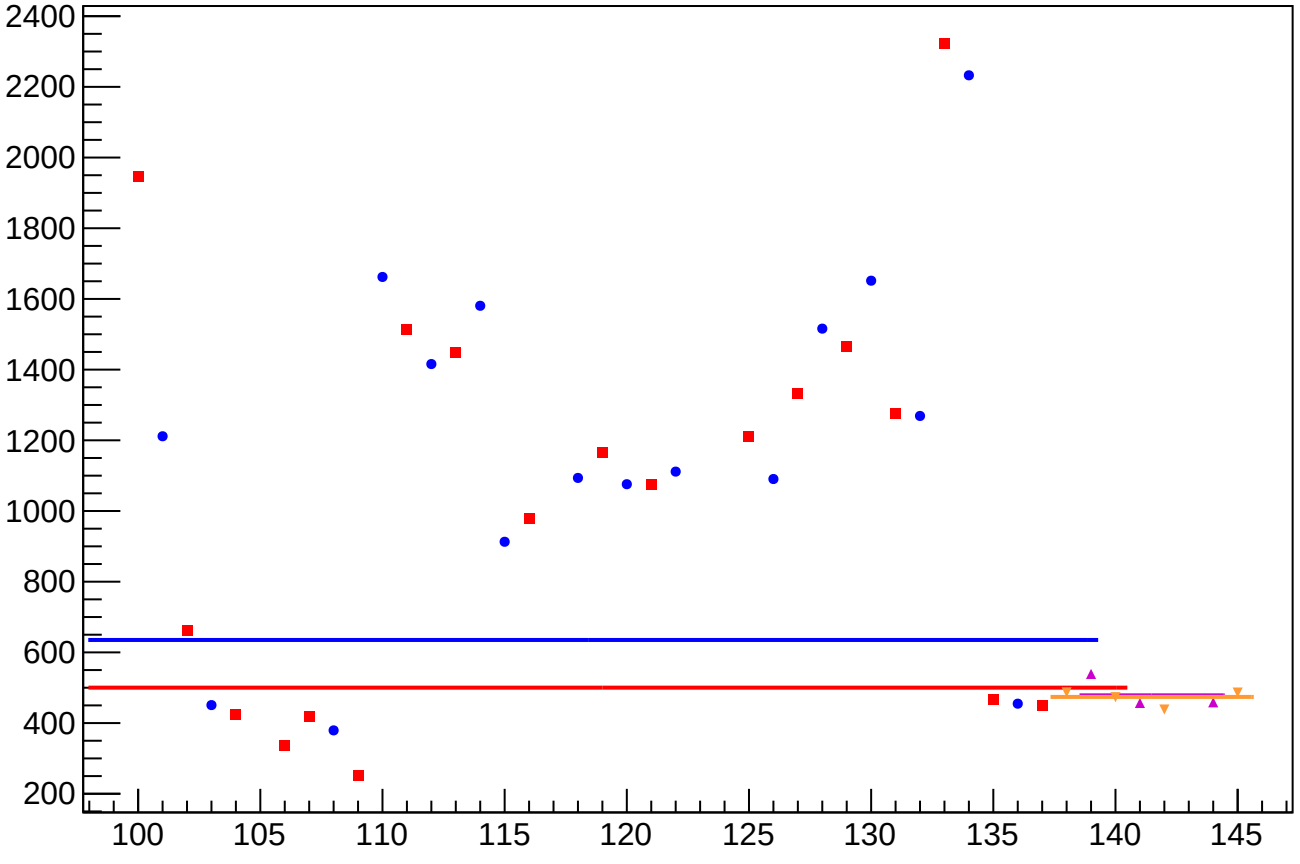
Left In: 96.307+/-297.234 χ^2/NDF:0.8/2

\+ sign -92.610+/-196.971 χ^2/NDF: 30.4/19

All: 91.754+/-134.357 χ^2/NDF: 47.2/40

\- sign 252.175+/-183.737 χ^2/NDF: 15.2/20

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

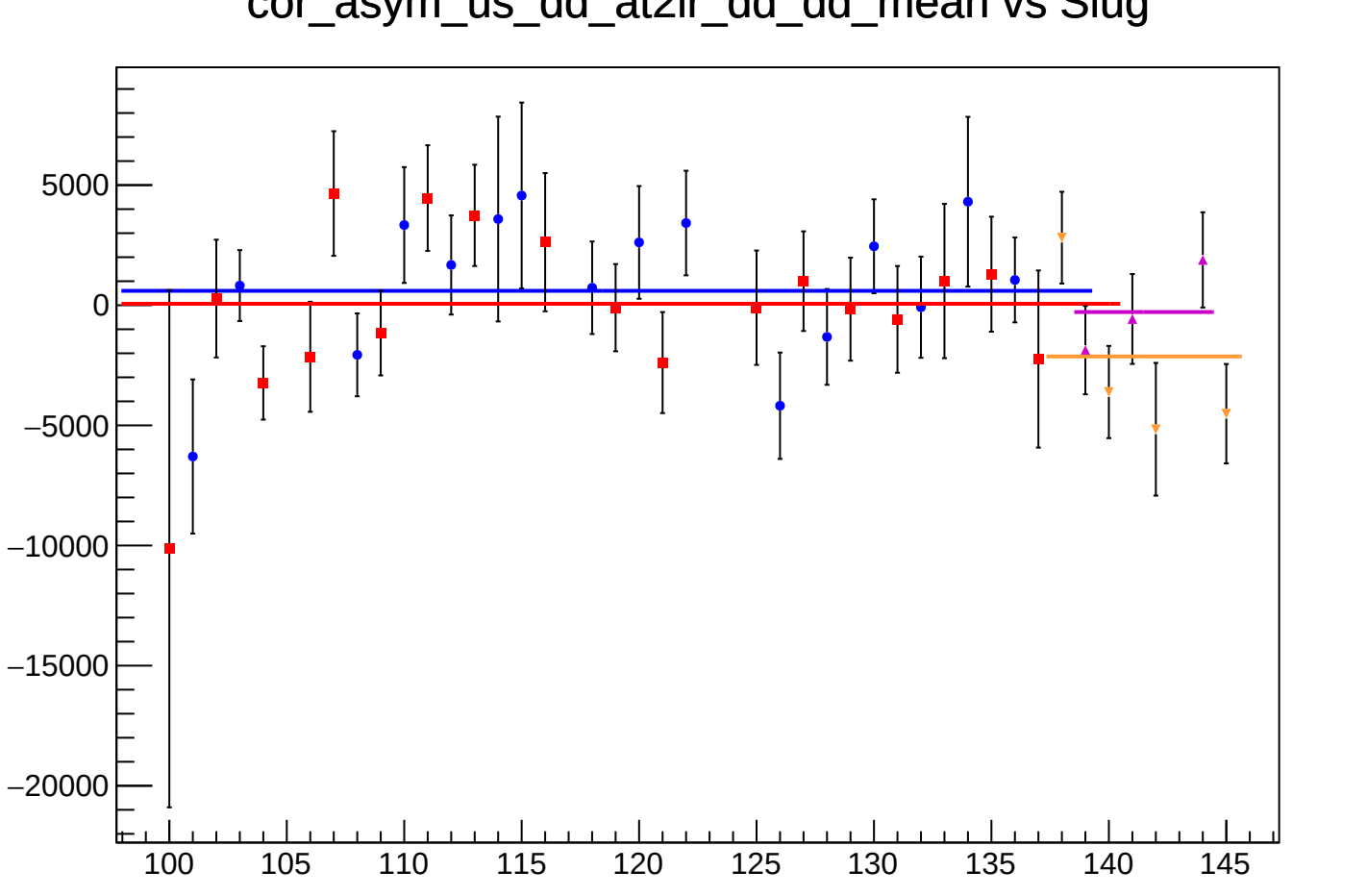
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 478.476+/-0.210 χ^2/NDF:28356.6/2

+ sign 556.114+/-0.139 χ^2/NDF: 4095042.4/19

All: 521.787+/-0.095 χ^2/NDF: 8552709.2/40

- sign 491.918+/-0.130 χ^2/NDF: 4344070.0/20



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

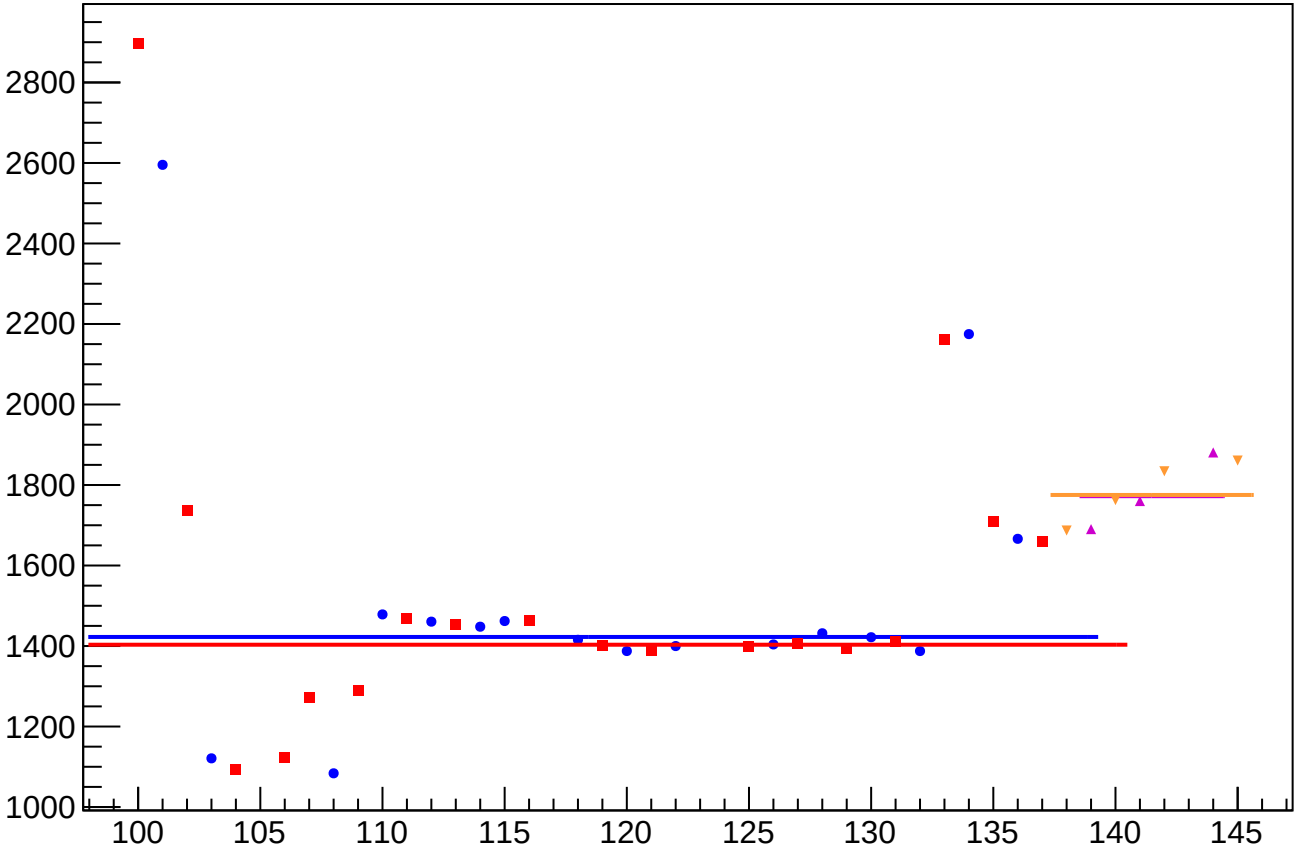
Left In: -282.003+/-1093.716 χ^2/NDF:2.0/2

\+ sign 26.708+/-480.055 χ^2/NDF: 35.5/19

All: 10.665+/-339.079 χ^2/NDF: 57.9/40

\- sign -5.309+/-479.007 χ^2/NDF: 22.4/20

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

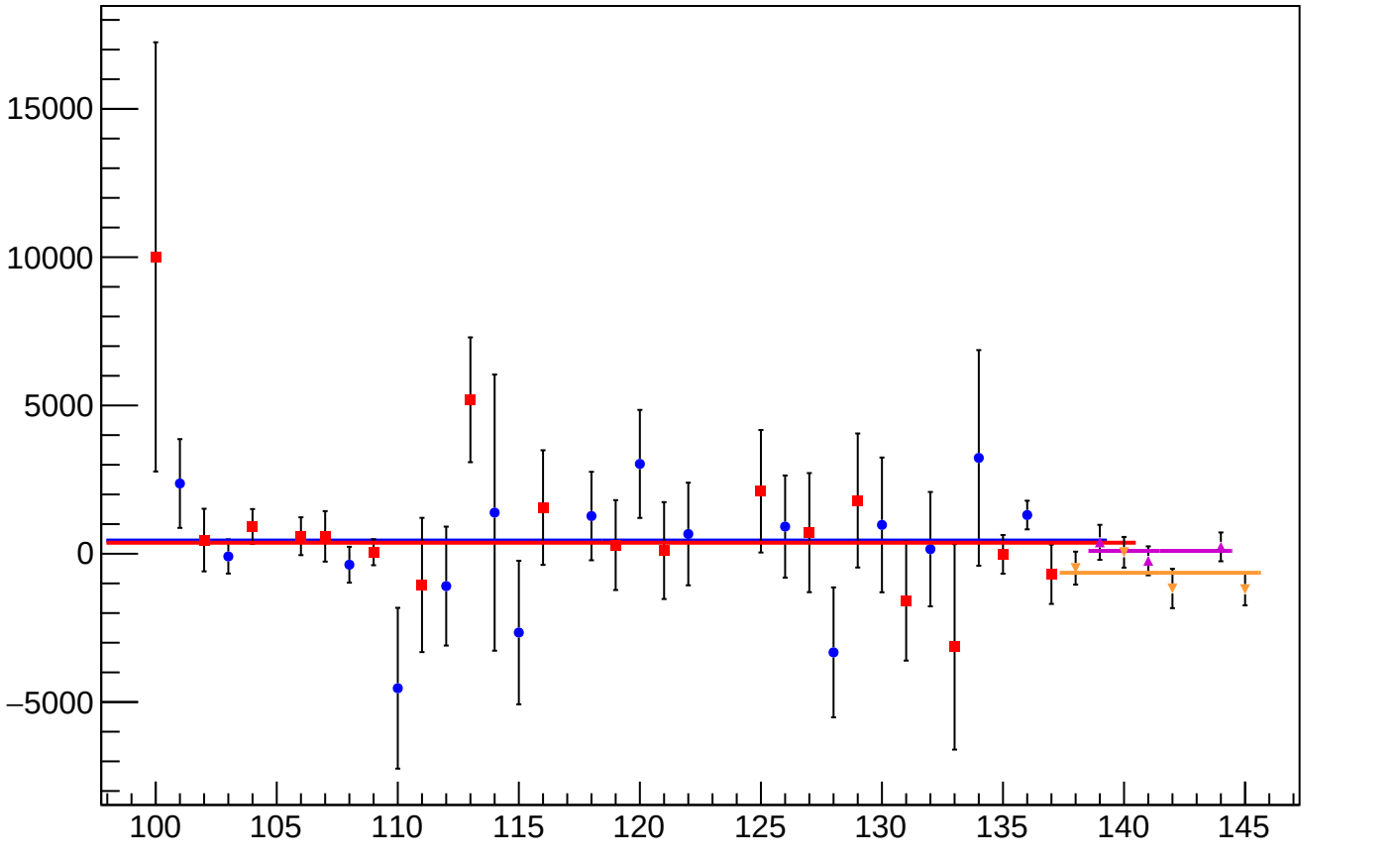
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1772.243+/-0.773 χ^2/NDF:10049.5/2

+ sign 1496.541+/-0.339 χ^2/NDF: 748015.9/19

All: 1485.247+/-0.240 χ^2/NDF: 1303398.1/40

- sign 1474.002+/-0.339 χ^2/NDF: 553173.1/20



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

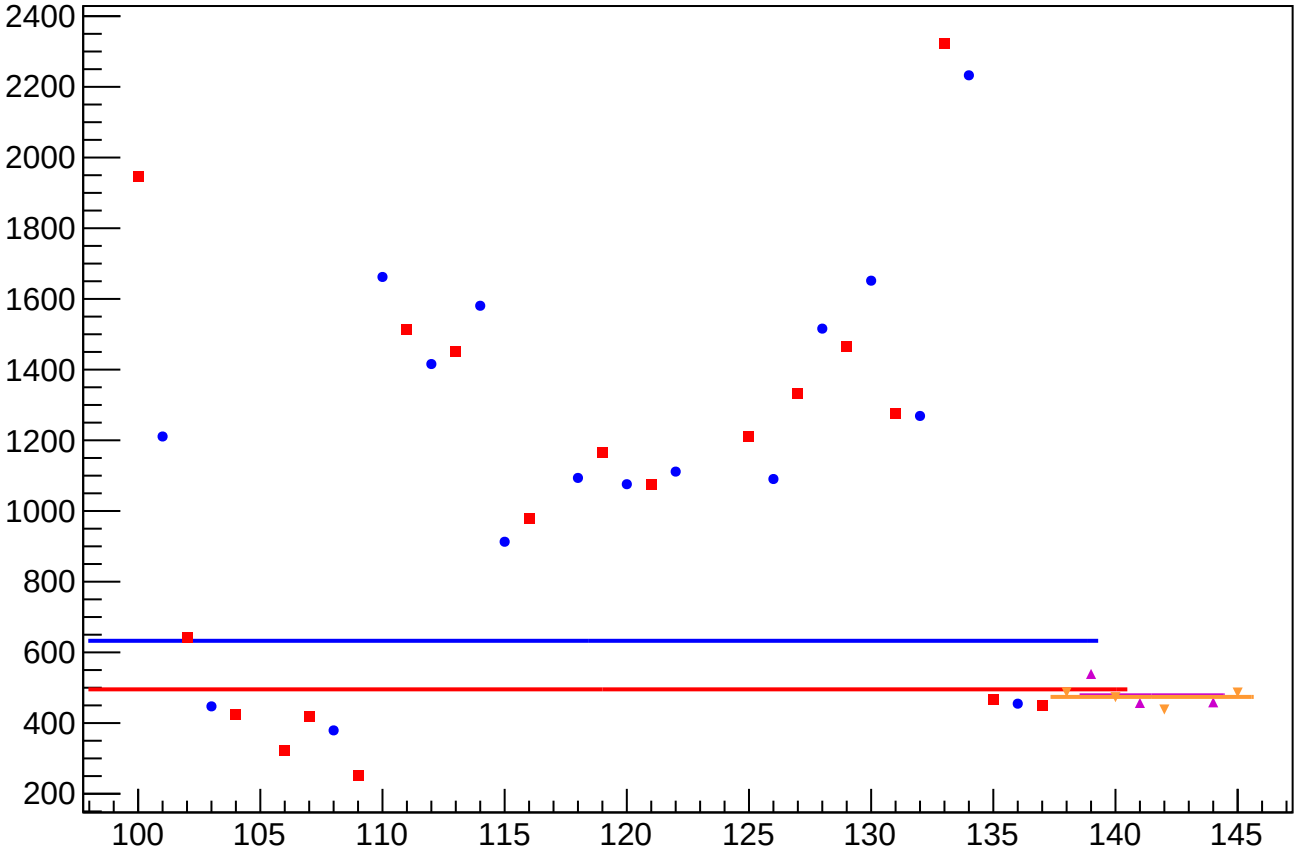
Left In: 96.418+/-297.231 χ^2/NDF:0.8/2

\+ sign -85.910+/-196.545 χ^2/NDF: 30.4/19

All: 104.272+/-133.764 χ^2/NDF: 47.5/40

\- sign 268.365+/-182.567 χ^2/NDF: 15.3/20

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

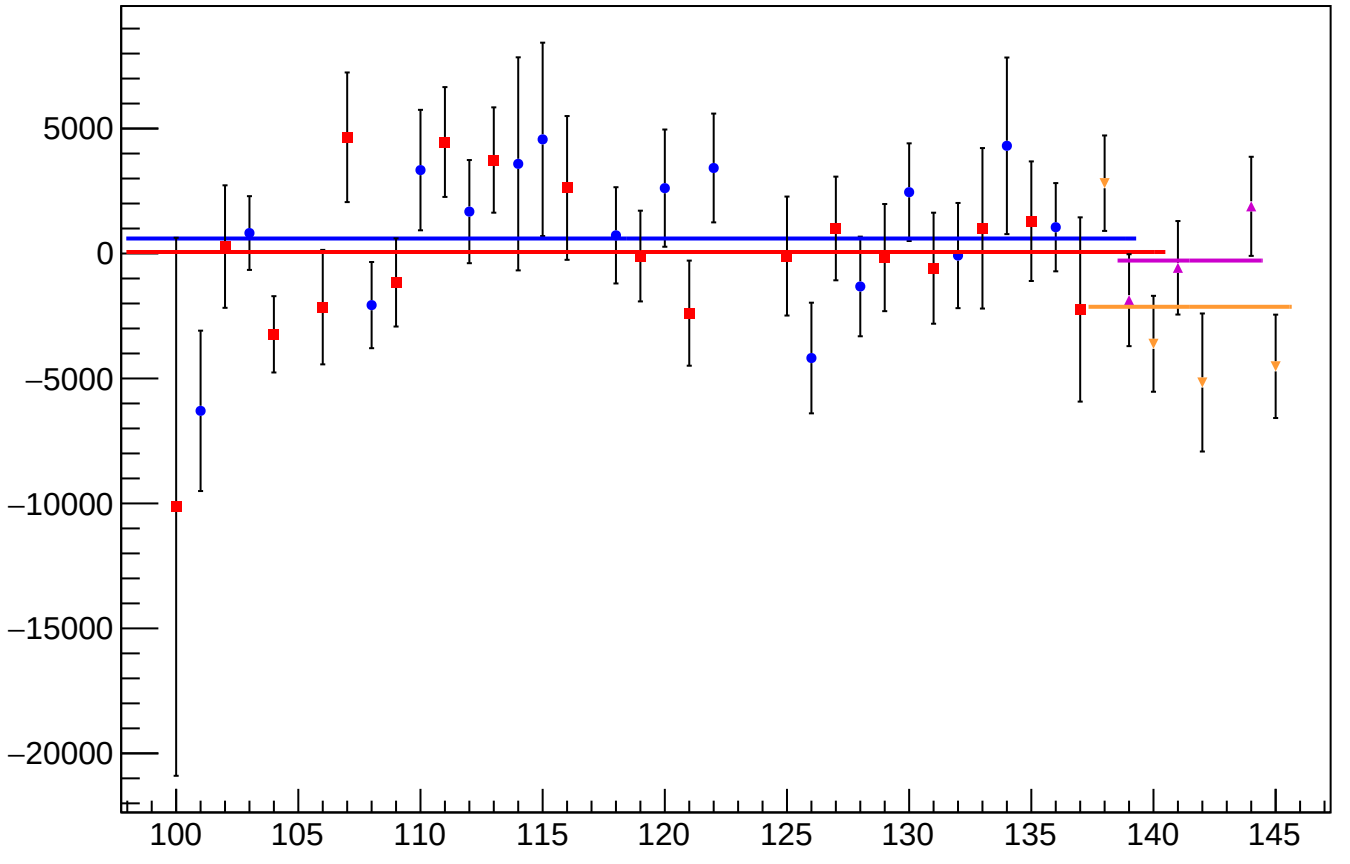
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 478.471+/-0.210 χ^2/NDF:28356.6/2

+ sign 555.256+/-0.139 χ^2/NDF: 4101604.6/19

All: 519.689+/-0.095 χ^2/NDF: 8593480.2/40

- sign 489.000+/-0.129 χ^2/NDF: 4369872.2/20



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

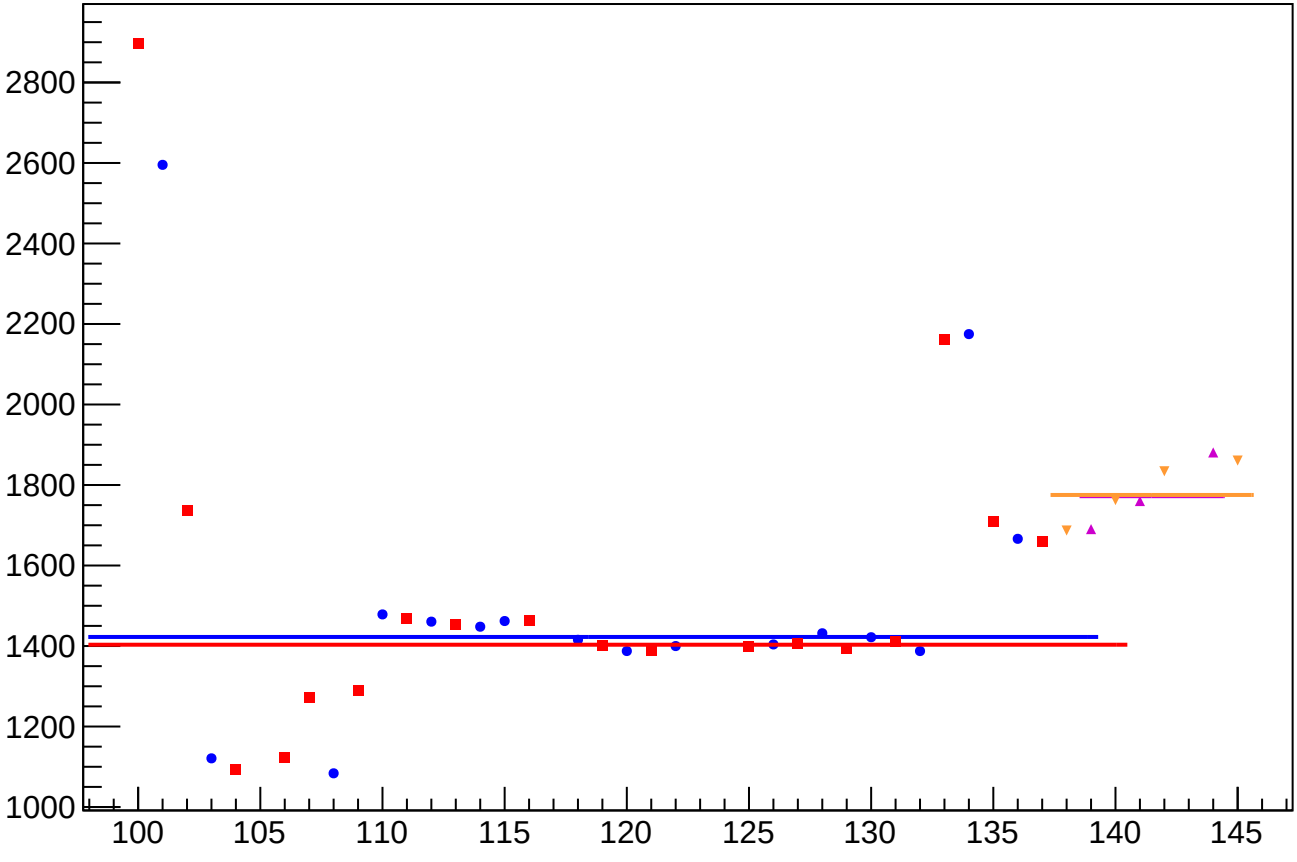
Left In: -282.003+/-1093.716 χ^2/NDF:2.0/2

+ sign 26.708+/-480.055 χ^2/NDF: 35.5/19

All: 10.665+/-339.079 χ^2/NDF: 57.9/40

- sign -5.309+/-479.007 χ^2/NDF: 22.4/20

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

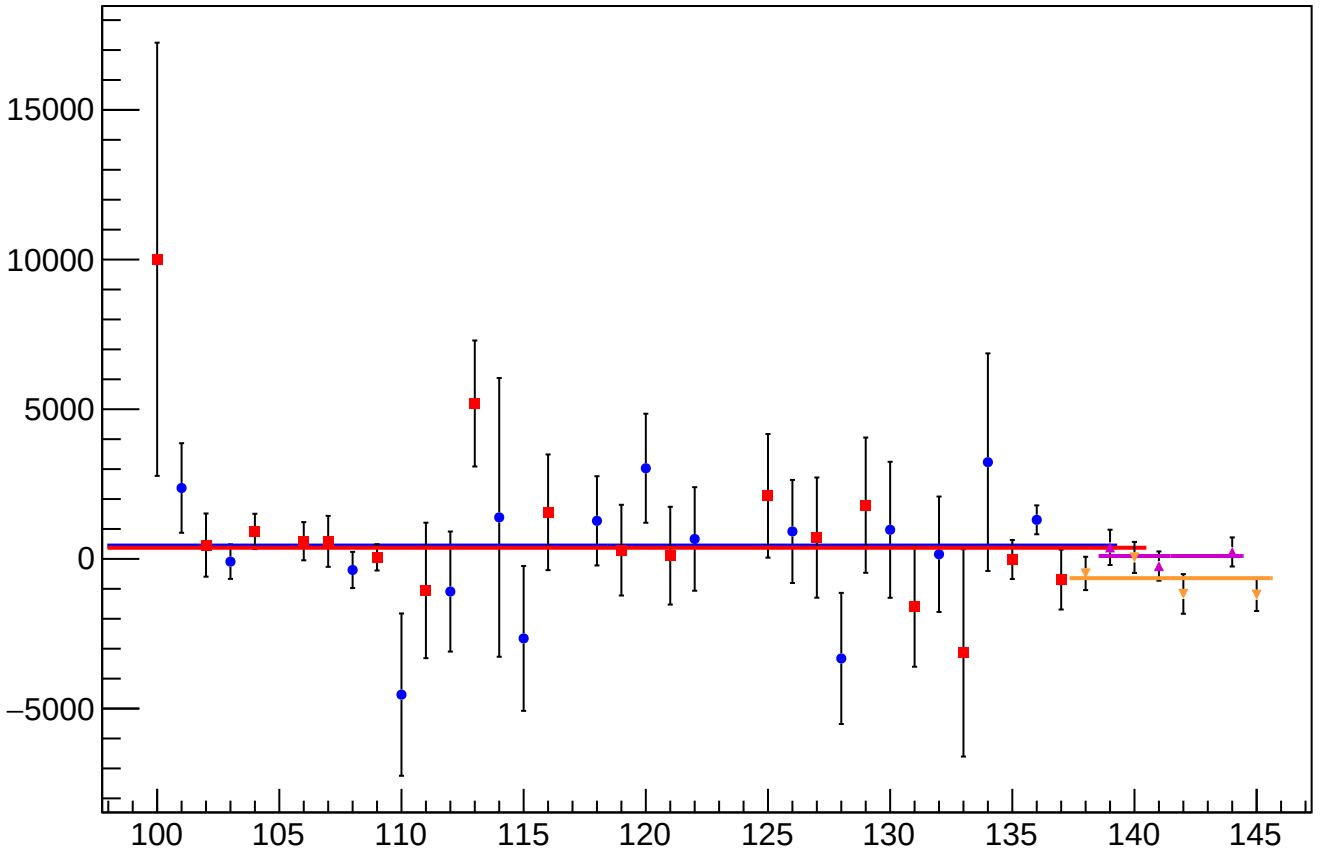
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1772.243+/-0.773 χ^2/NDF:10049.5/2

+ sign 1496.541+/-0.339 χ^2/NDF: 748015.9/19

All: 1485.247+/-0.240 χ^2/NDF: 1303398.1/40

- sign 1474.002+/-0.339 χ^2/NDF: 553173.1/20



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -642.590+/-281.293 χ^2/NDF:3.5/3

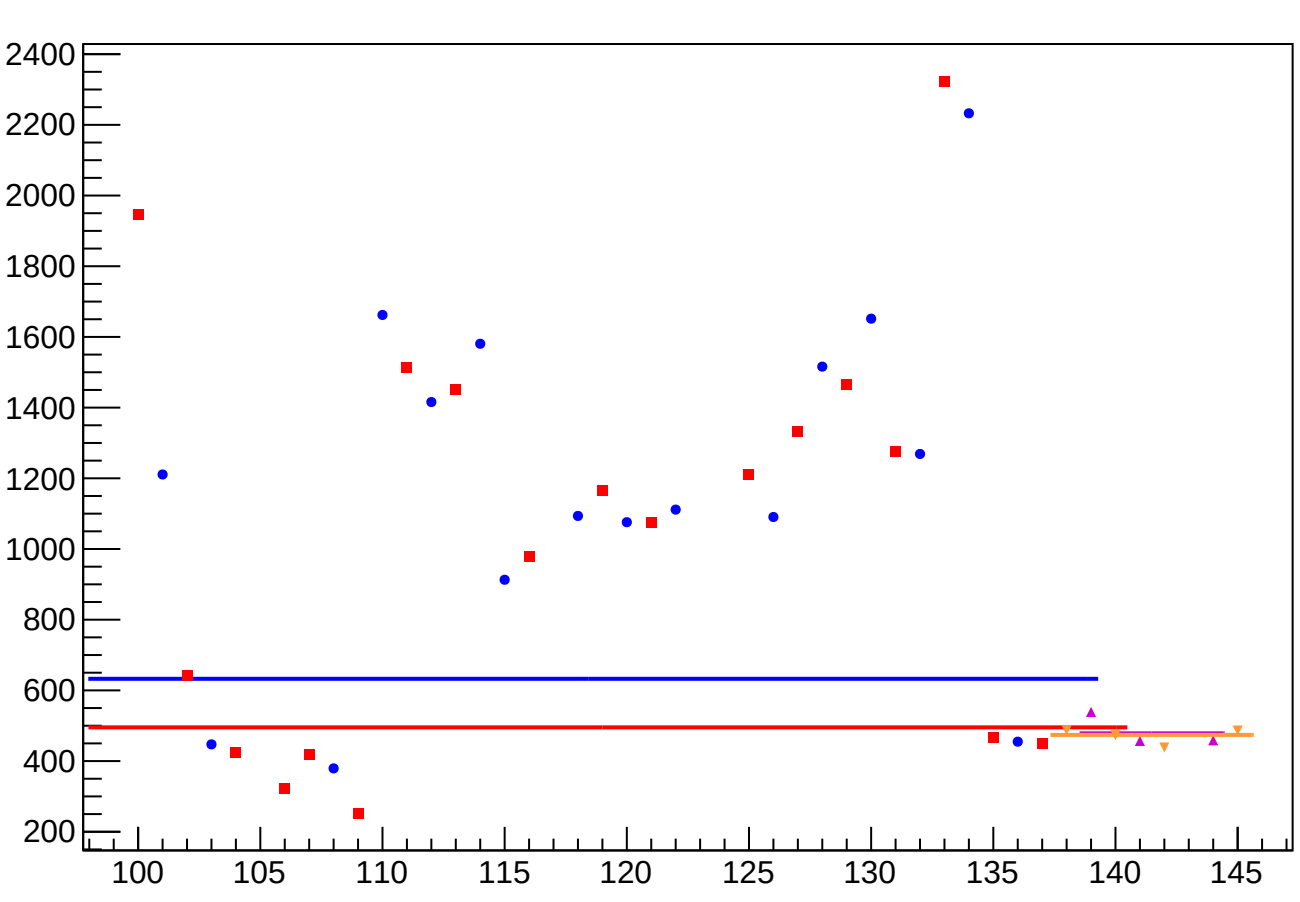
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 96.418+/-297.231 χ^2/NDF:0.8/2

\+ sign -85.910+/-196.545 χ^2/NDF: 30.4/19

All: 104.272+/-133.764 χ^2/NDF: 47.5/40

\- sign 268.365+/-182.567 χ^2/NDF: 15.3/20



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 474.016+/-0.199 χ^2/NDF:7916.4/3

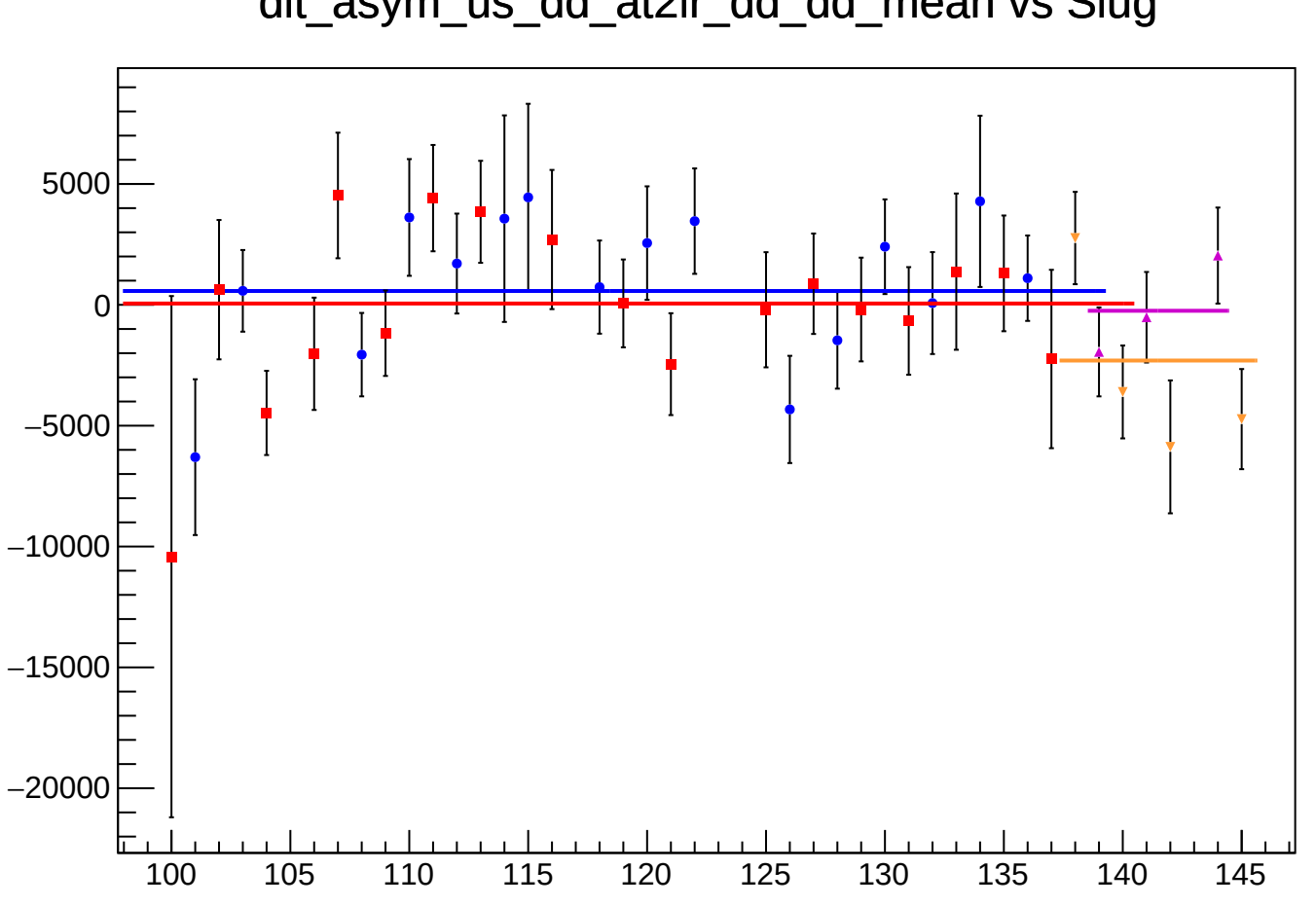
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 478.471+/-0.210 χ^2/NDF:28356.6/2

+ sign 555.256+/-0.139 χ^2/NDF: 4101604.6/19

All: 519.689+/-0.095 χ^2/NDF: 8593480.2/40

- sign 489.000+/-0.129 χ^2/NDF: 4369872.2/20



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

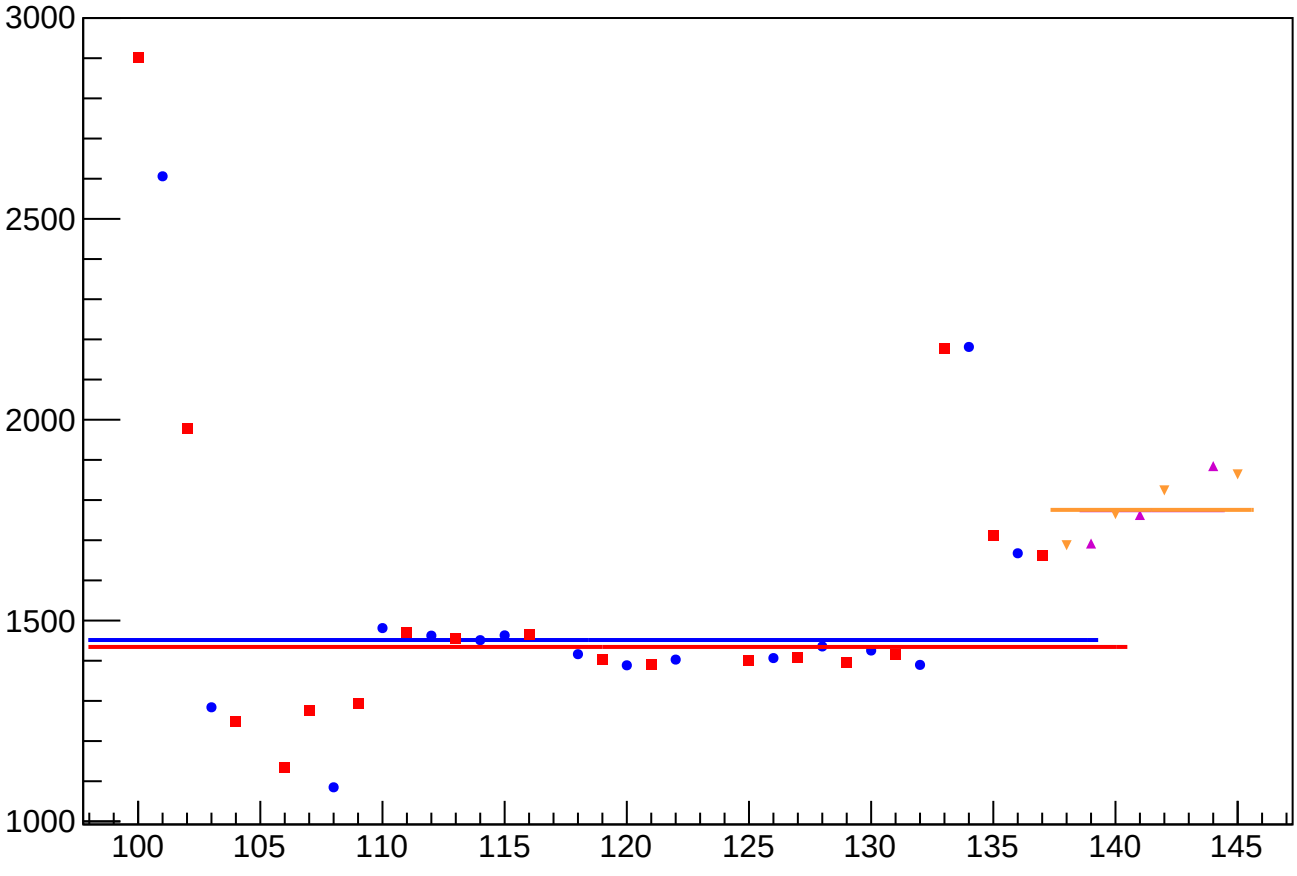
Left In: -245.912+/-1095.285 χ^2/NDF:2.2/2

+ sign -48.153+/-486.786 χ^2/NDF: 37.2/19

All: -27.026+/-344.703 χ^2/NDF: 62.0/40

- sign -5.778+/-488.186 χ^2/NDF: 24.8/20

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

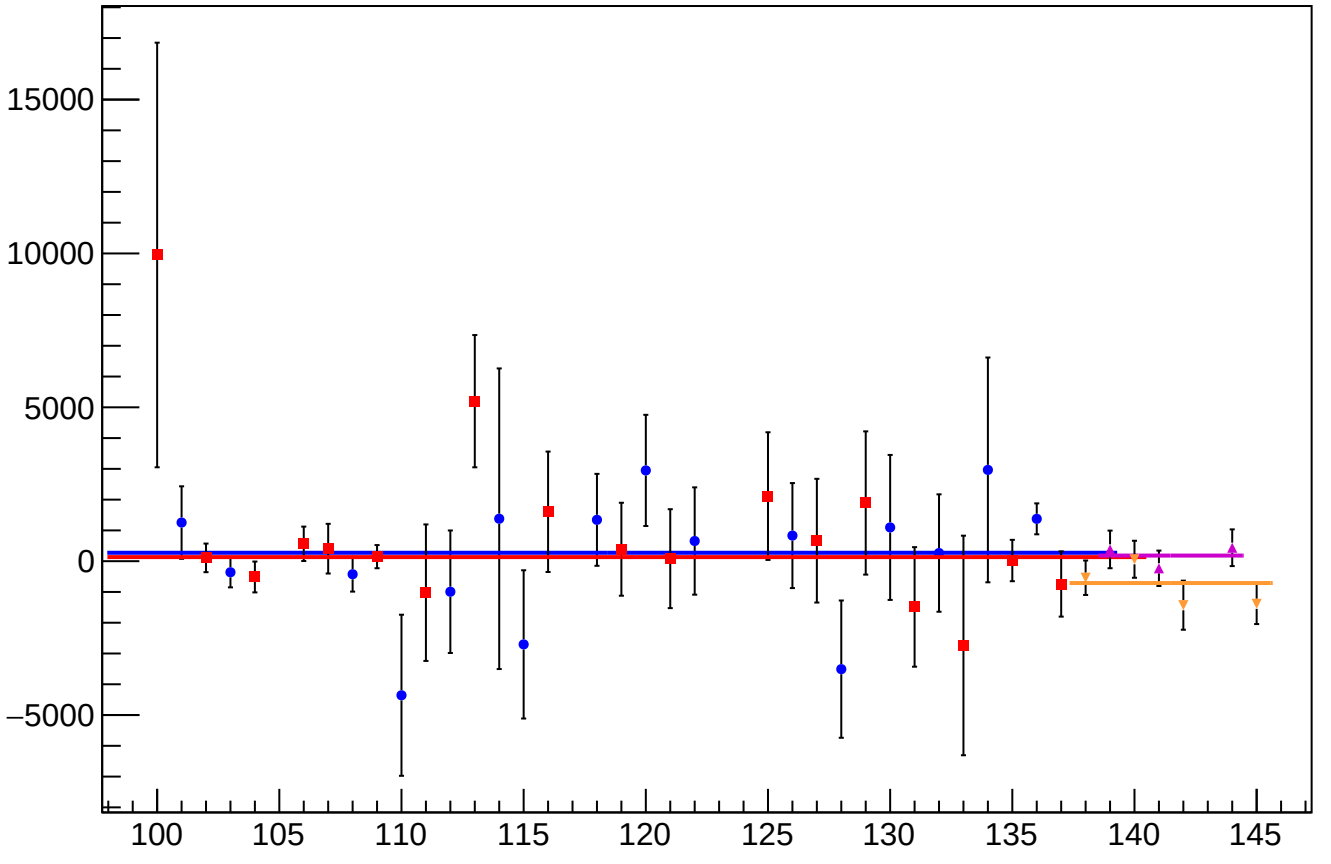
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1774.717+/-0.774 χ^2/NDF:10254.4/2

+ sign 1521.440+/-0.344 χ^2/NDF: 646249.3/19

All: 1511.721+/-0.244 χ^2/NDF: 1141489.9/40

- sign 1501.945+/-0.345 χ^2/NDF: 493641.2/20



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -710.378+/-318.922 χ^2/NDF:3.6/3

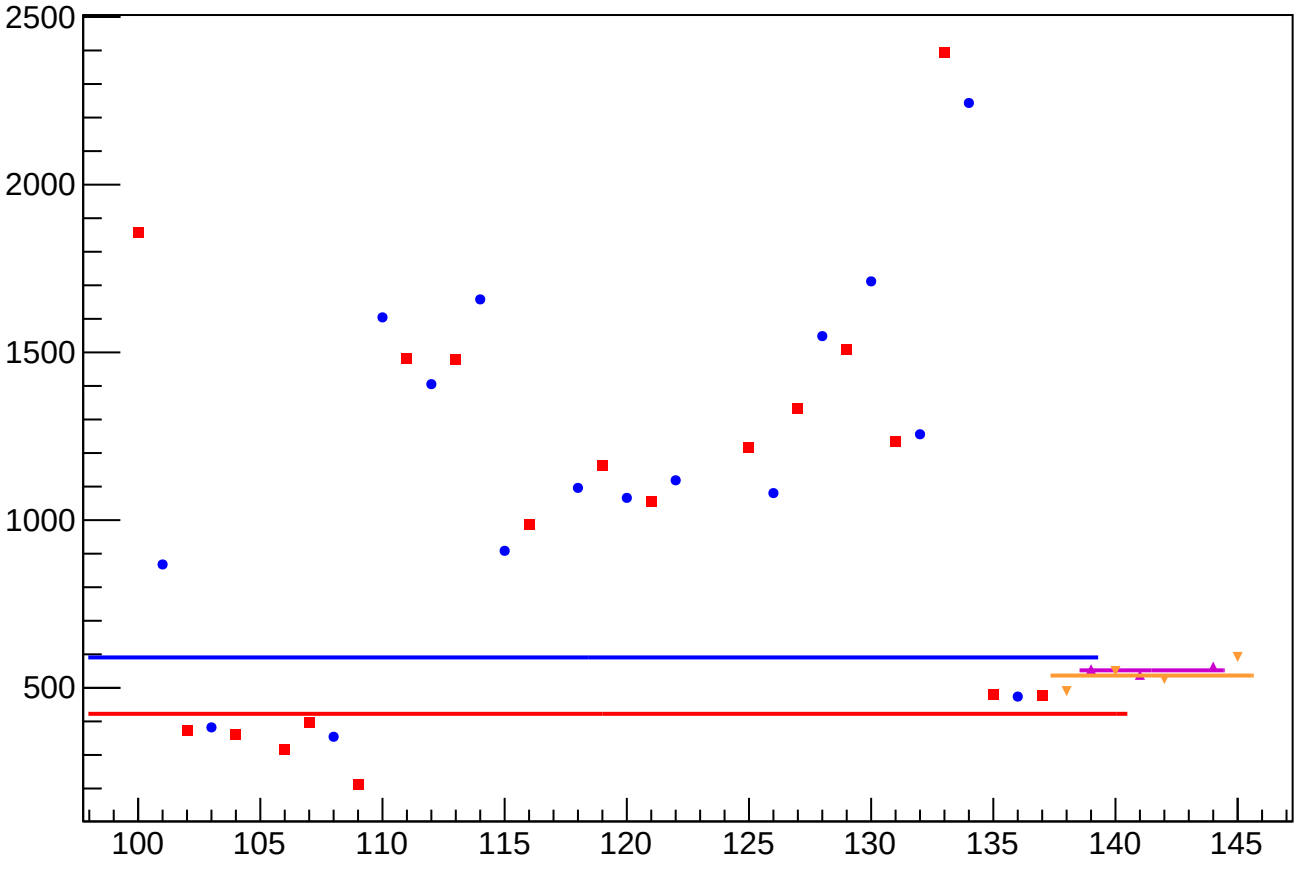
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 182.328+/-342.640 χ^2/NDF:0.8/2

\+ sign -120.338+/-201.768 χ^2/NDF: 29.5/19

All: 34.676+/-130.046 χ^2/NDF: 45.8/40

\- sign 144.833+/-170.088 χ^2/NDF: 15.3/20



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 536.761+/-0.226 χ^2/NDF:29264.8/3

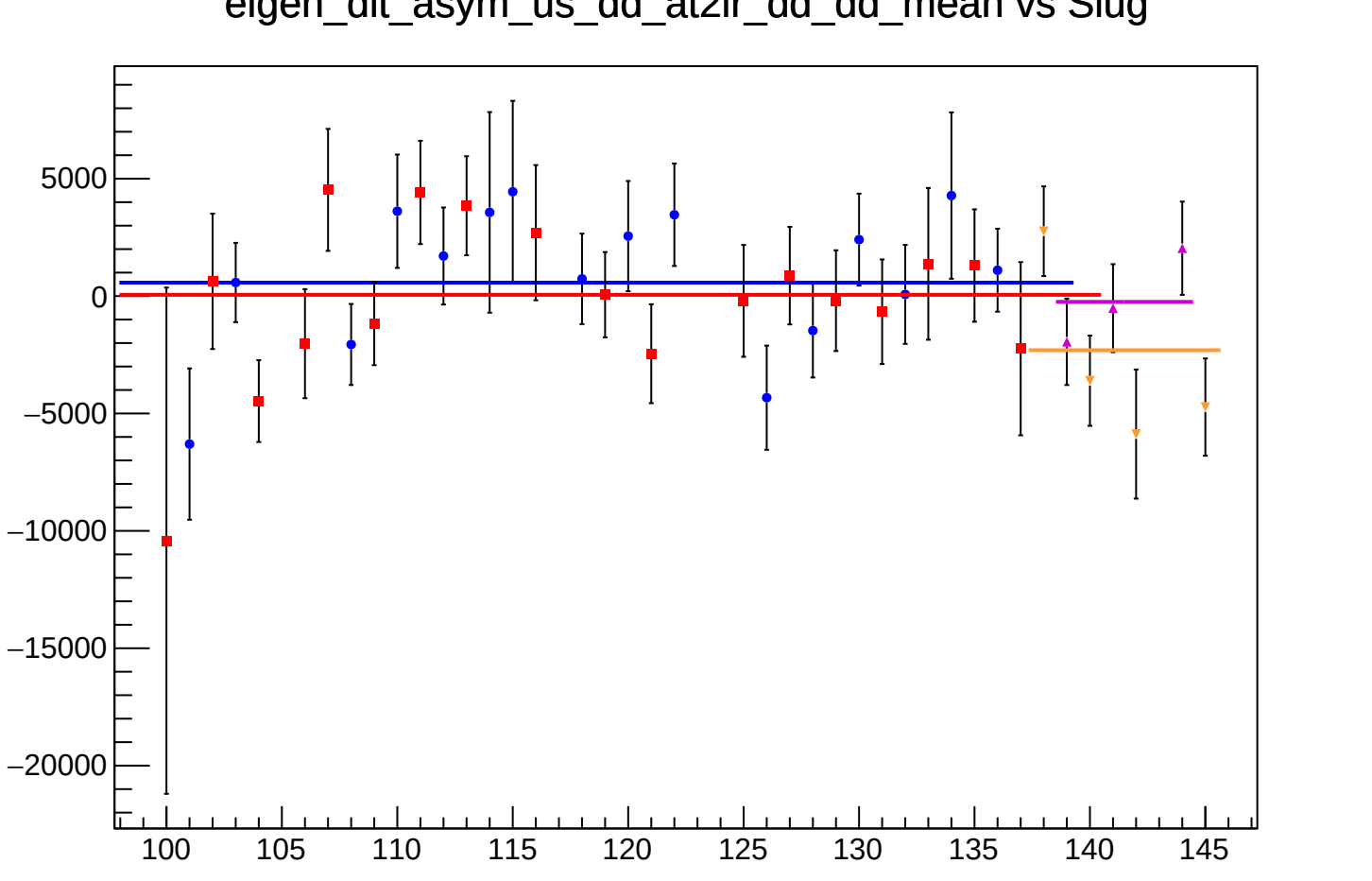
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 552.283+/-0.242 χ^2/NDF:1850.9/2

+ sign 569.140+/-0.143 χ^2/NDF: 3949139.8/19

All: 502.169+/-0.092 χ^2/NDF: 9401732.6/40

- sign 454.578+/-0.120 χ^2/NDF: 5075669.0/20



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -2305.100+/-1048.300 χ^2/NDF:10.6/3

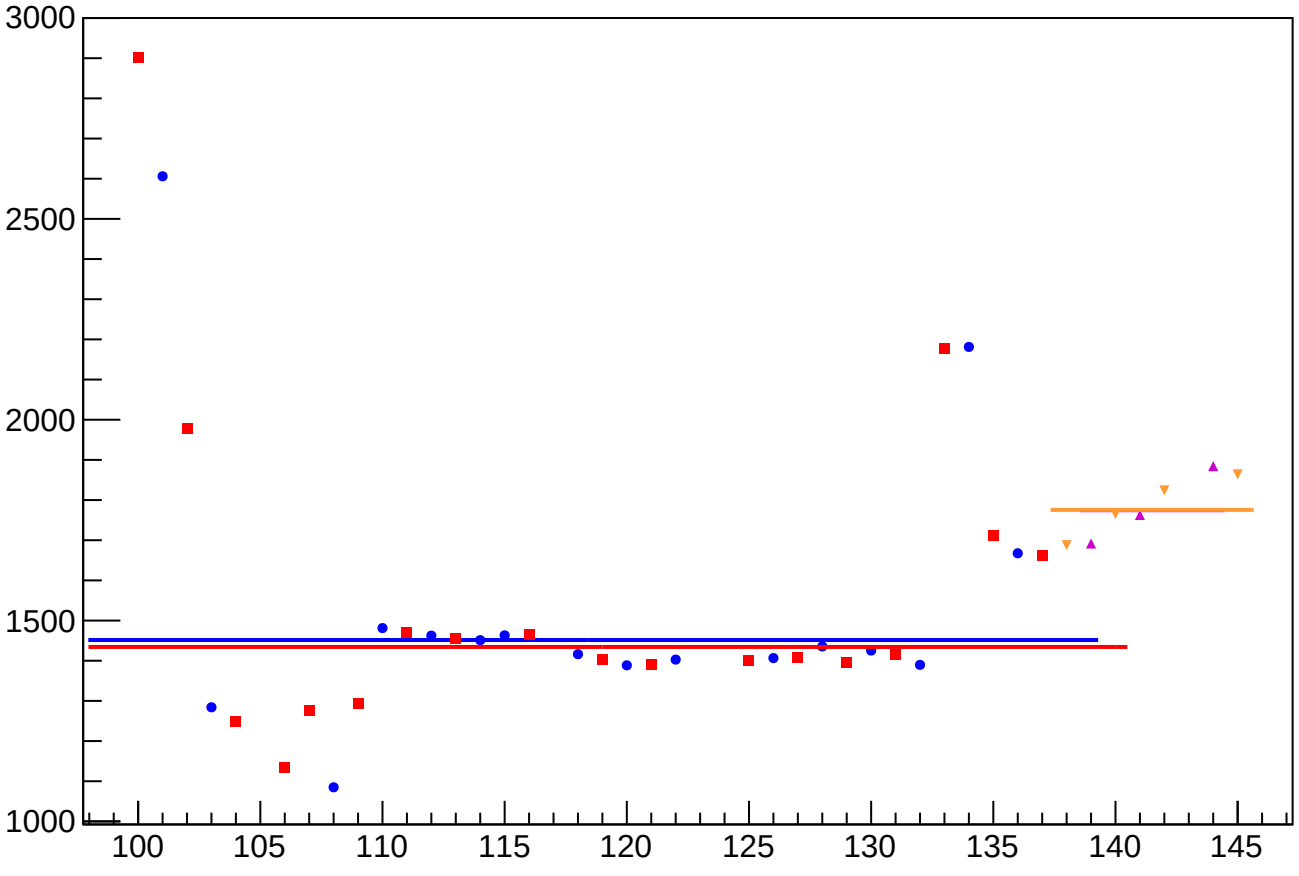
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -245.898+/-1095.286 χ^2/NDF:2.2/2

+ sign -48.155+/-486.786 χ^2/NDF: 37.2/19

All: -27.027+/-344.703 χ^2/NDF: 62.0/40

- sign -5.777+/-488.186 χ^2/NDF: 24.8/20



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1775.570+/-0.741 χ^2/NDF:8566.1/3

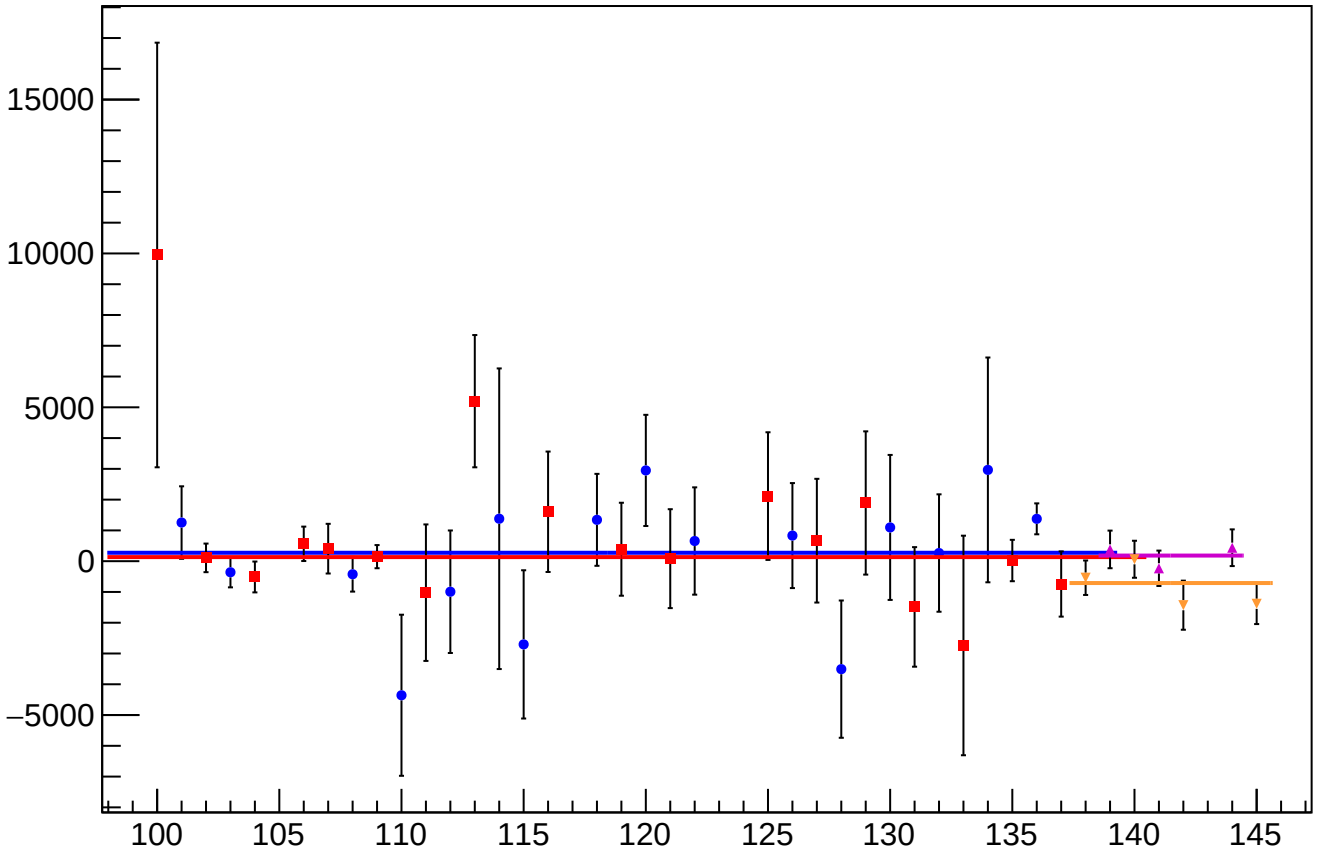
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1774.718+/-0.774 χ^2/NDF:10254.4/2

+ sign 1521.440+/-0.344 χ^2/NDF: 646249.0/19

All: 1511.721+/-0.244 χ^2/NDF: 1141489.9/40

- sign 1501.945+/-0.345 χ^2/NDF: 493641.5/20



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -710.397+/-318.929 χ^2/NDF:3.6/3

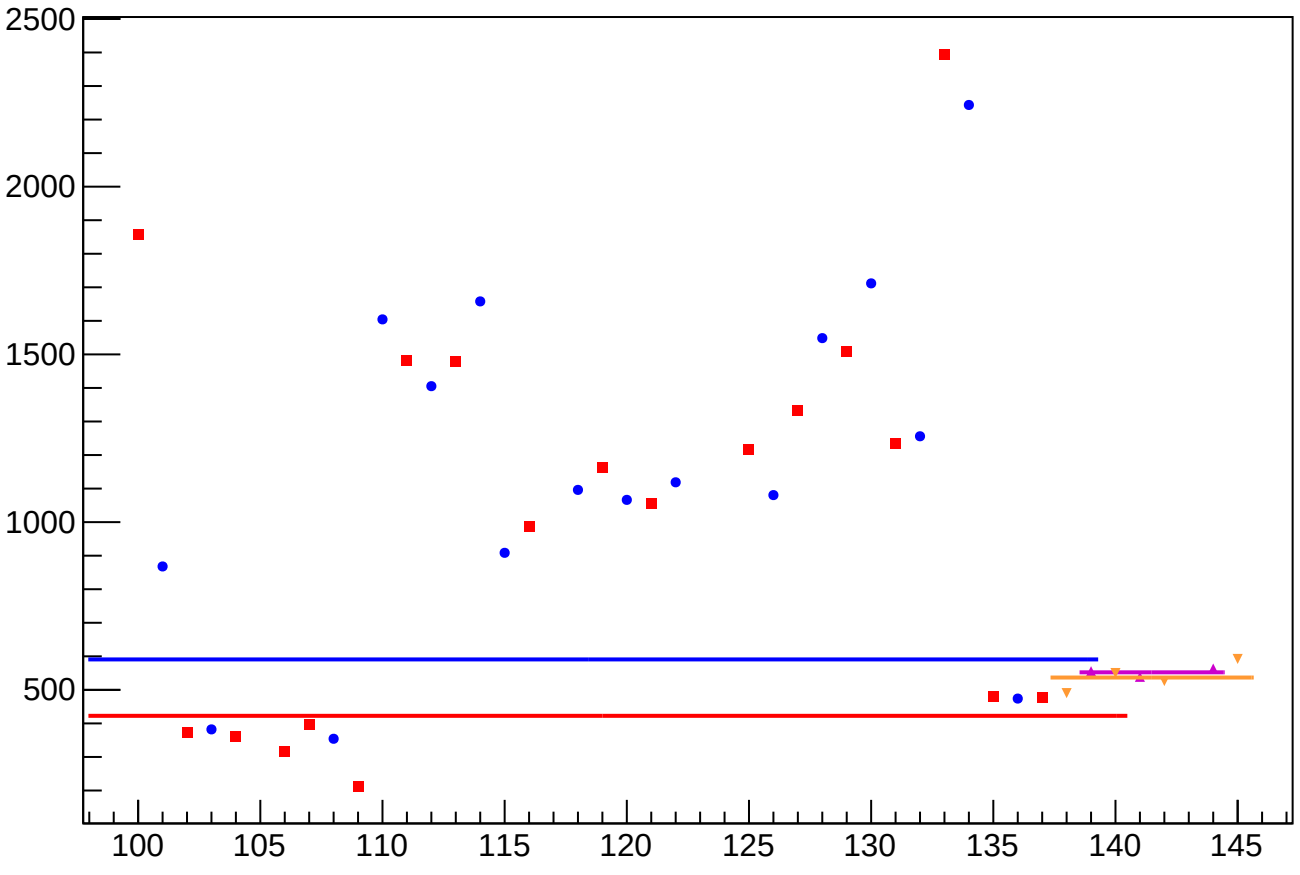
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 182.339+/-342.647 χ^2/NDF:0.8/2

\+ sign -120.340+/-201.770 χ^2/NDF: 29.5/19

All: 34.674+/-130.047 χ^2/NDF: 45.8/40

\- sign 144.832+/-170.090 χ^2/NDF: 15.3/20



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 536.774+/-0.226 χ^2/NDF:29252.4/3

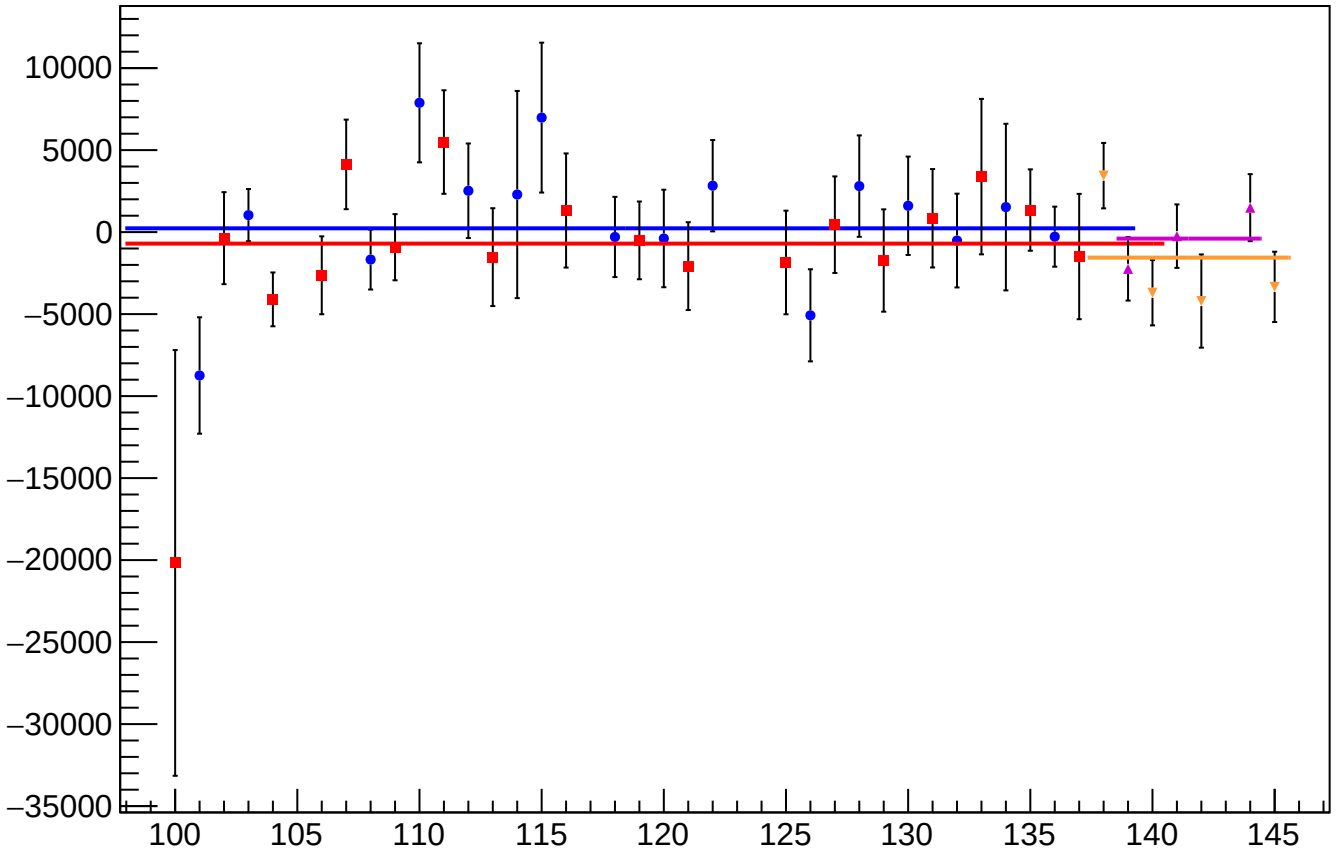
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 552.294+/-0.242 χ^2/NDF:1850.8/2

+ sign 569.145+/-0.143 χ^2/NDF: 3949135.9/19

All: 502.175+/-0.092 χ^2/NDF: 9401641.2/40

- sign 454.584+/-0.120 χ^2/NDF: 5075599.4/20



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

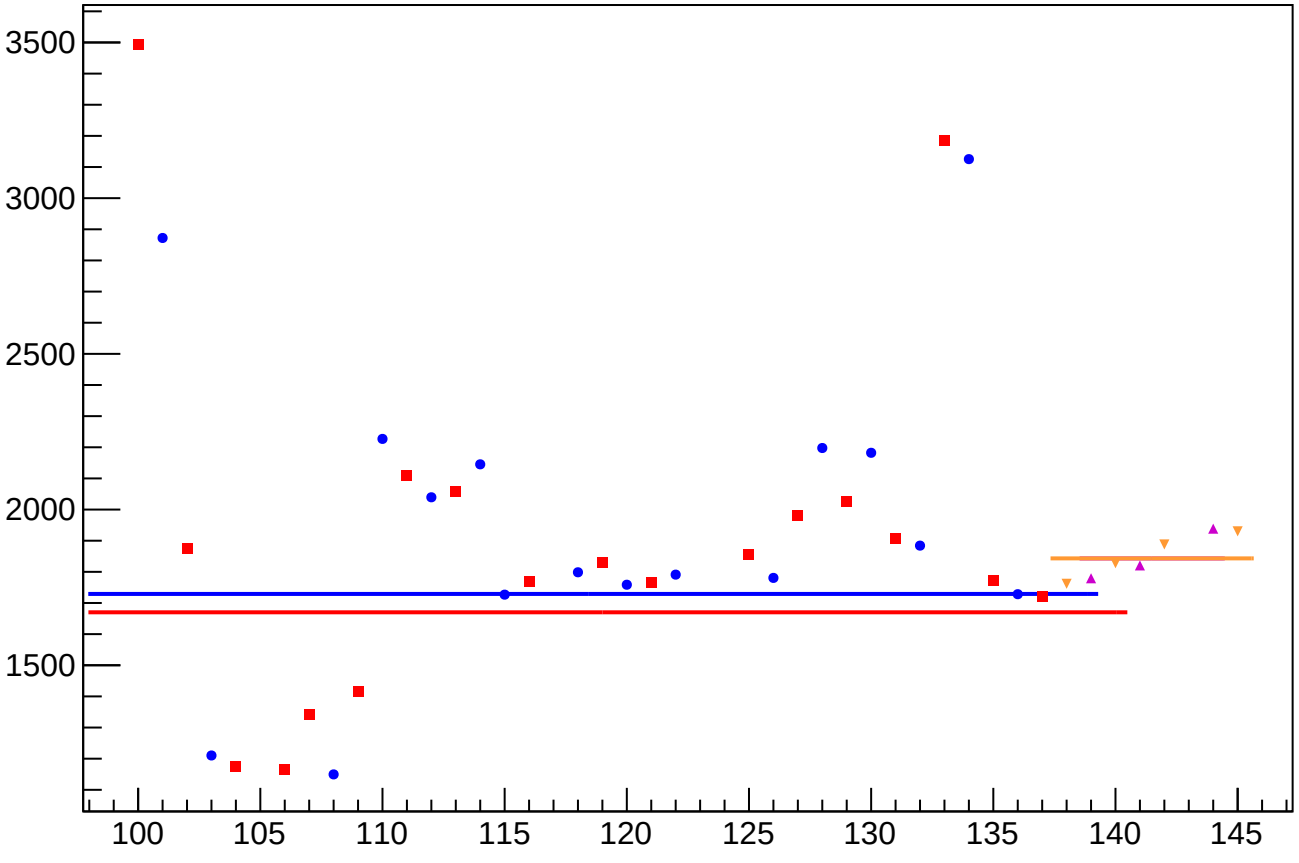
Left In: -397.071+/-1137.031 χ^2/NDF:1.8/2

+ sign -256.494+/-568.141 χ^2/NDF: 31.7/19

All: -443.562+/-399.978 χ^2/NDF: 50.8/40

- sign -627.389+/-563.200 χ^2/NDF: 18.8/20

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

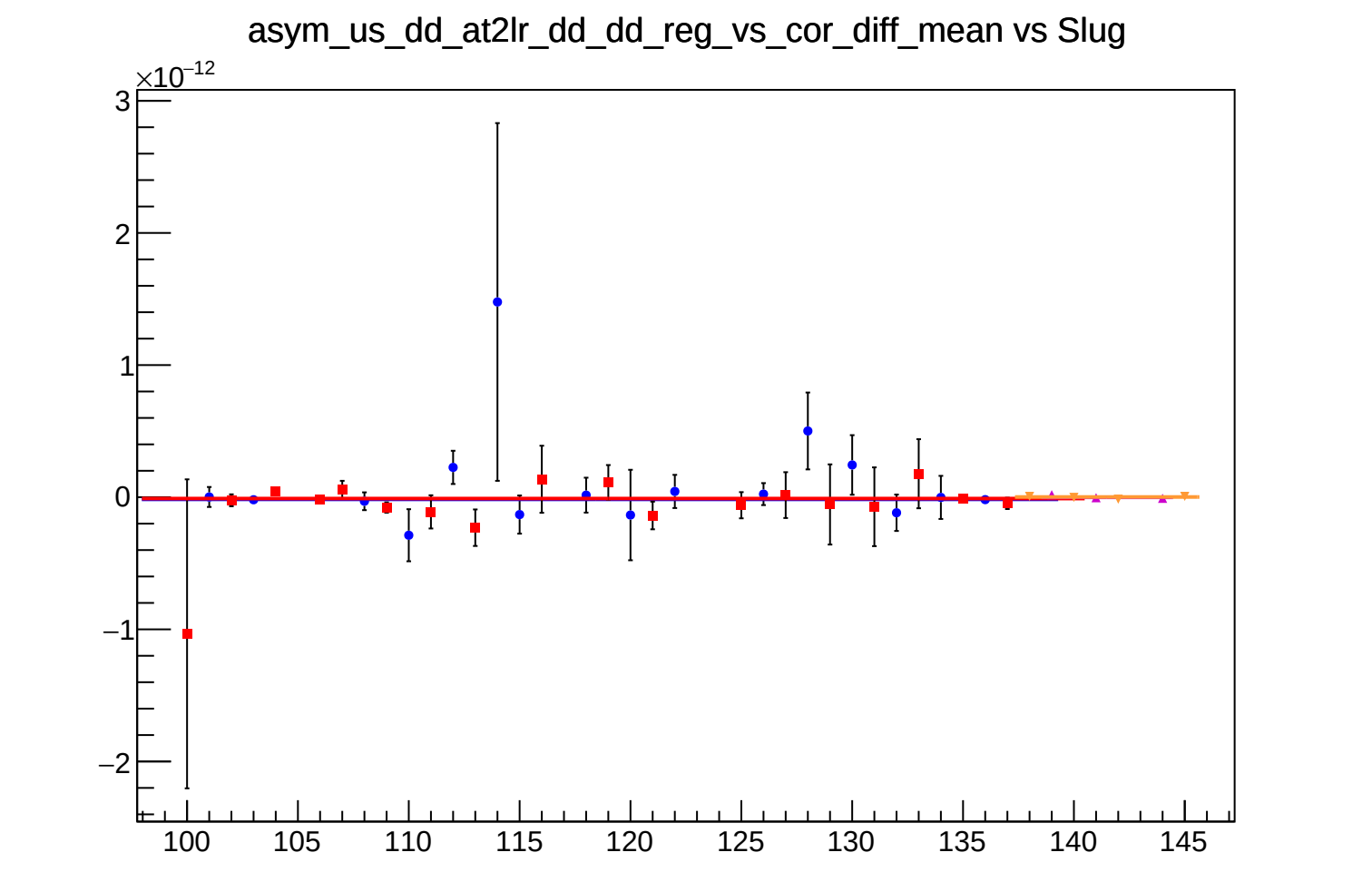
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1842.971+/-0.804 χ^2/NDF:6810.3/2

+ sign 1760.192+/-0.402 χ^2/NDF: 965344.1/19

All: 1736.128+/-0.283 χ^2/NDF: 1758626.4/40

- sign 1712.480+/-0.398 χ^2/NDF: 786168.3/20



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

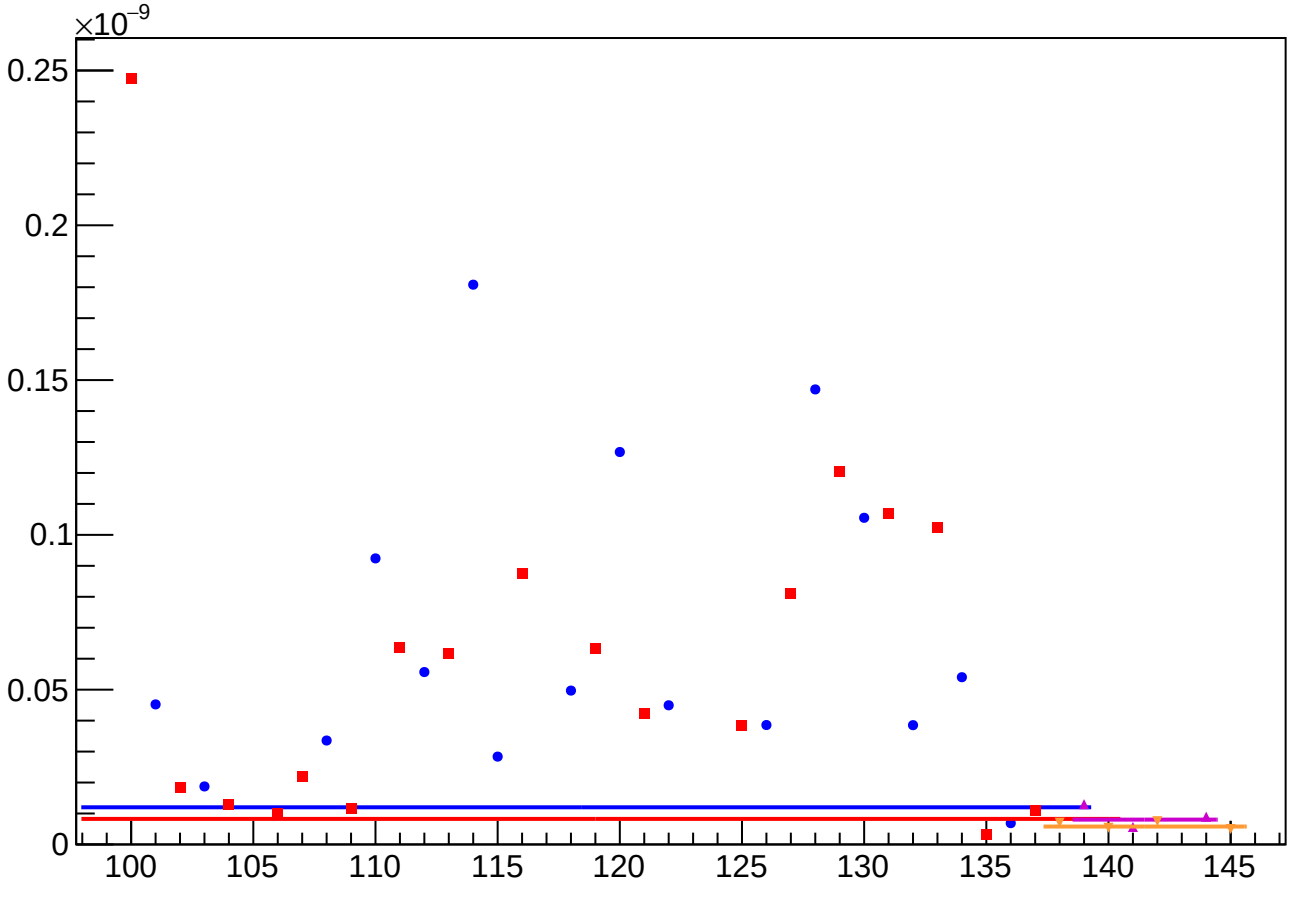
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 16.9/19

All: -0.000+/-0.000 χ^2/NDF: 35.8/40

- sign -0.000+/-0.000 χ^2/NDF: 18.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:58051.3/3

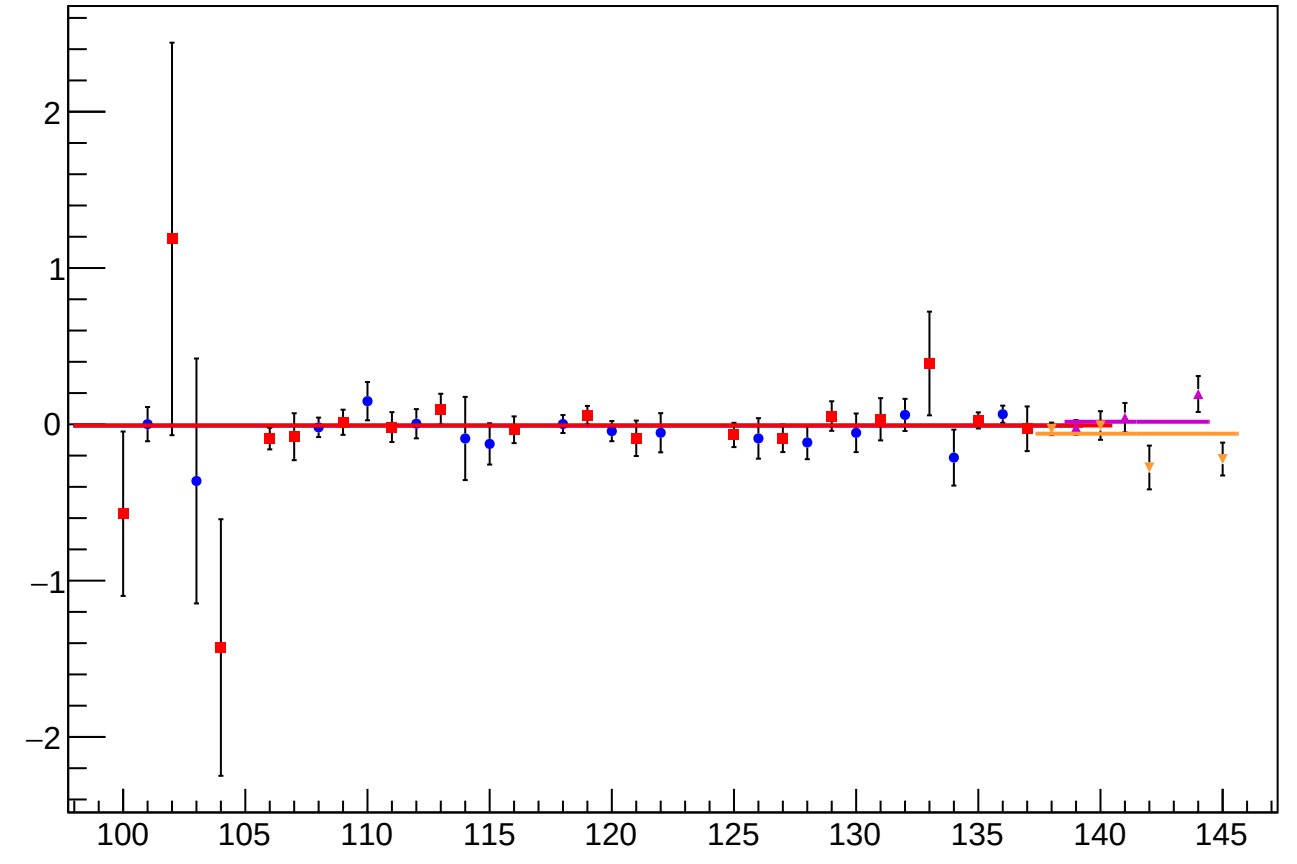
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:277871.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 4049722.0/19

All: 0.000+/-0.000 χ^2/NDF: 7867299.8/40

- sign 0.000+/-0.000 χ^2/NDF: 3788827.7/20



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.060+/-0.034 χ^2/NDF:5.7/3

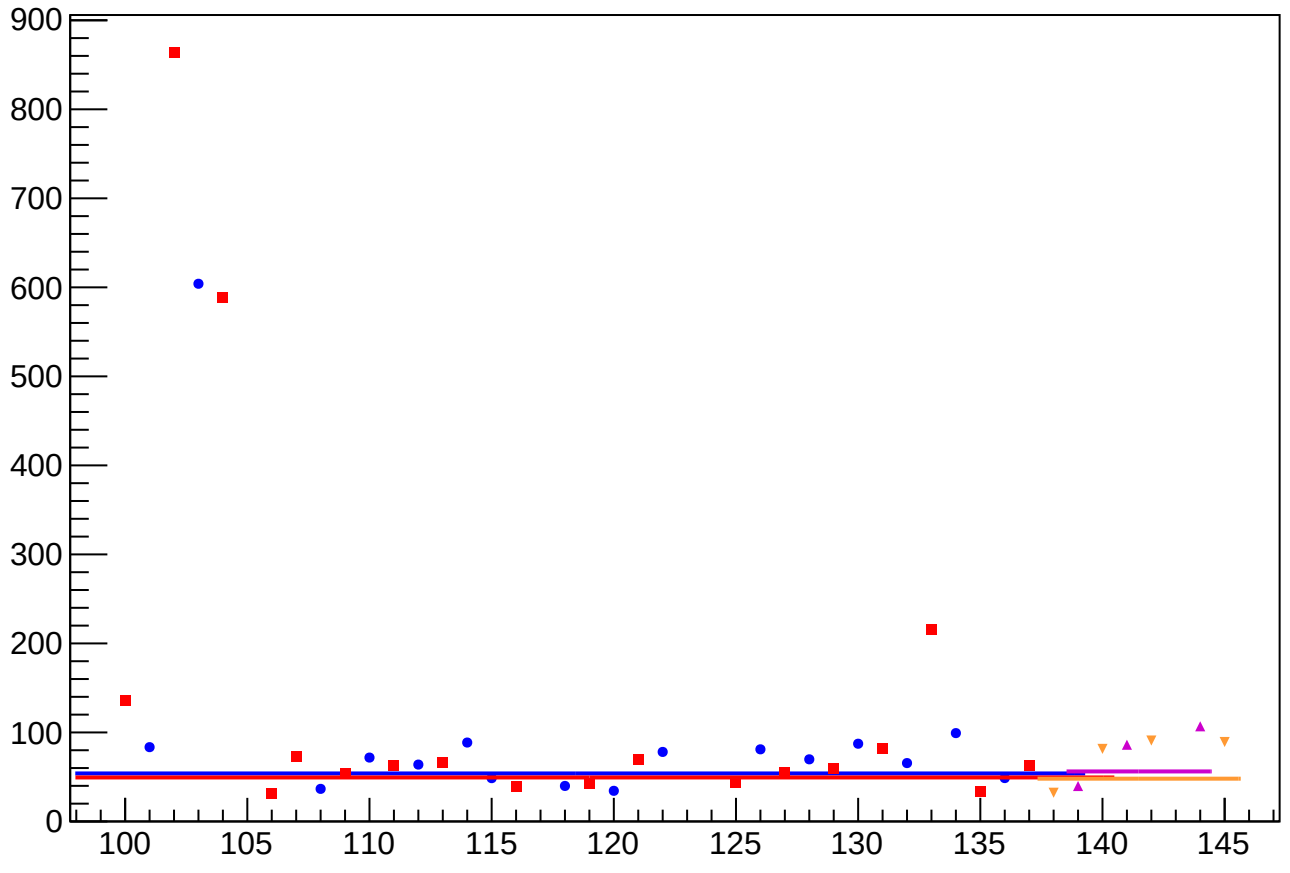
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.017+/-0.040 χ^2/NDF:3.1/2

+ sign -0.025+/-0.019 χ^2/NDF: 15.6/19

All: -0.013+/-0.014 χ^2/NDF: 33.4/40

- sign -0.001+/-0.019 χ^2/NDF: 17.0/20



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.055+/-0.024 χ^2/NDF:1074582.4/3

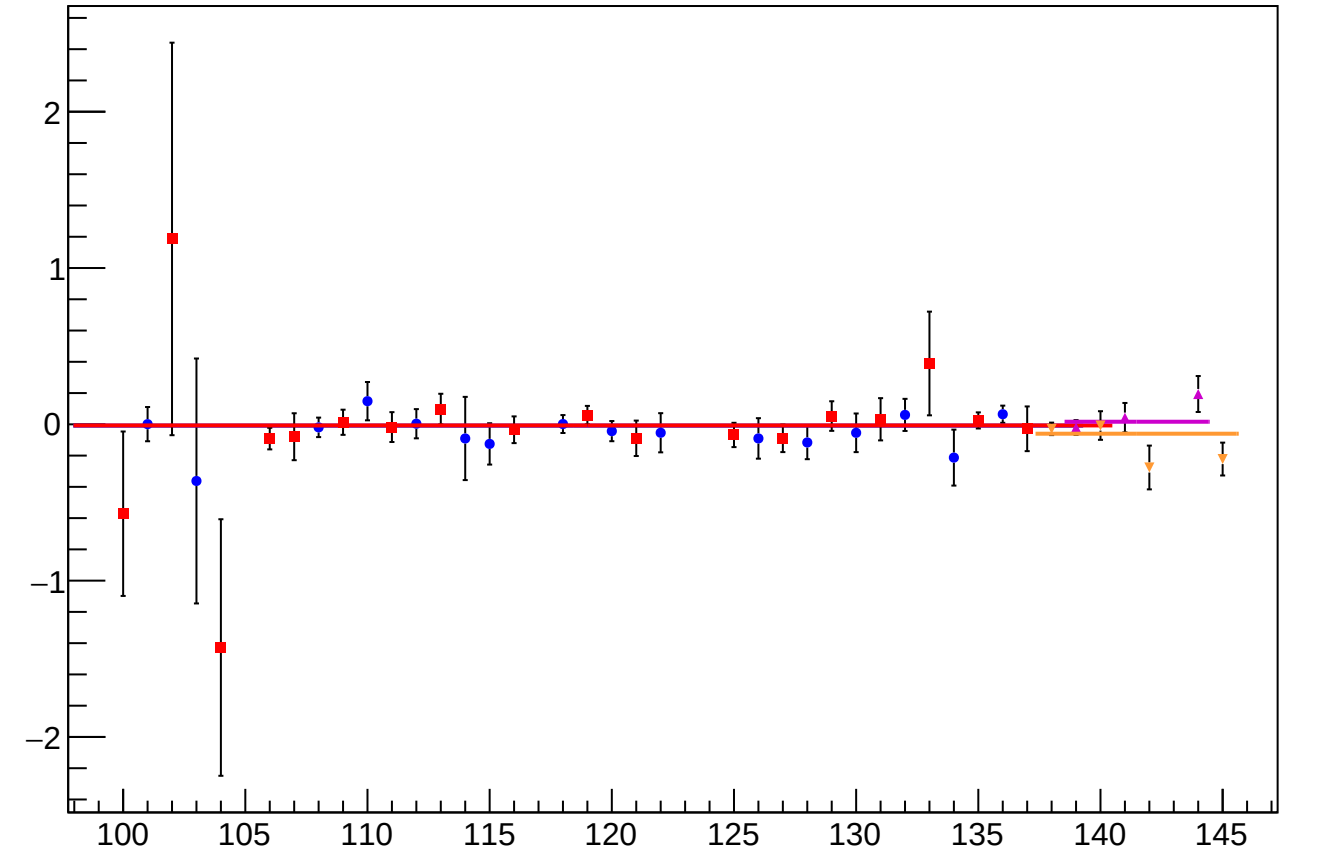
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.191+/-0.028 χ^2/NDF:828936.0/2

+ sign 52.038+/-0.013 χ^2/NDF: 3330454.6/19

All: 51.542+/-0.010 χ^2/NDF: 7223921.2/40

- sign 51.026+/-0.014 χ^2/NDF: 3890696.1/20



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.060+/-0.034 χ^2/NDF:5.7/3

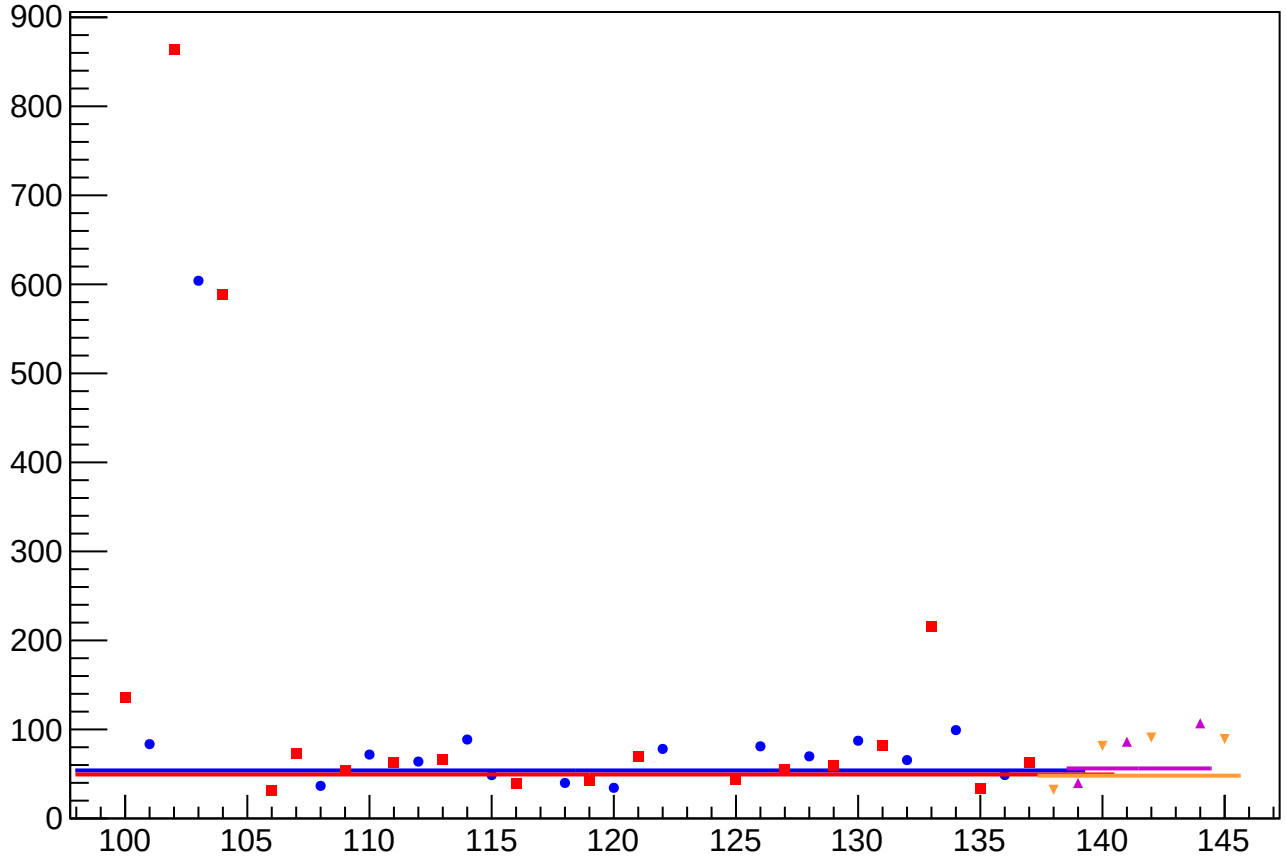
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.017+/-0.040 χ^2/NDF:3.1/2

+ sign -0.025+/-0.019 χ^2/NDF: 15.6/19

All: -0.013+/-0.014 χ^2/NDF: 33.4/40

- sign -0.001+/-0.019 χ^2/NDF: 17.0/20



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.055+/-0.024 χ^2/NDF:1074582.4/3

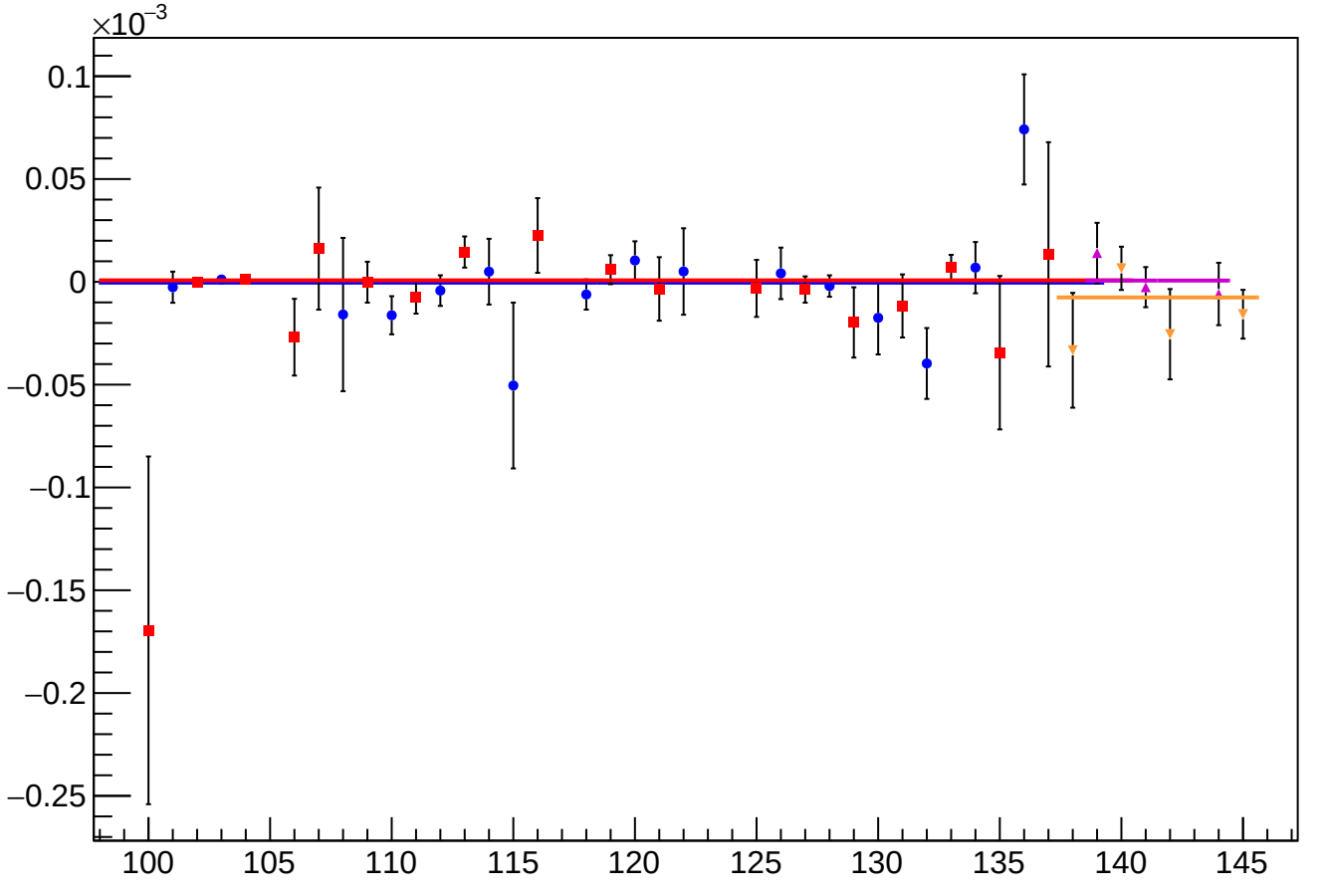
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.191+/-0.028 χ^2/NDF:828936.0/2

+ sign 52.038+/-0.013 χ^2/NDF: 3330454.6/19

All: 51.542+/-0.010 χ^2/NDF: 7223921.2/40

- sign 51.026+/-0.014 χ^2/NDF: 3890696.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

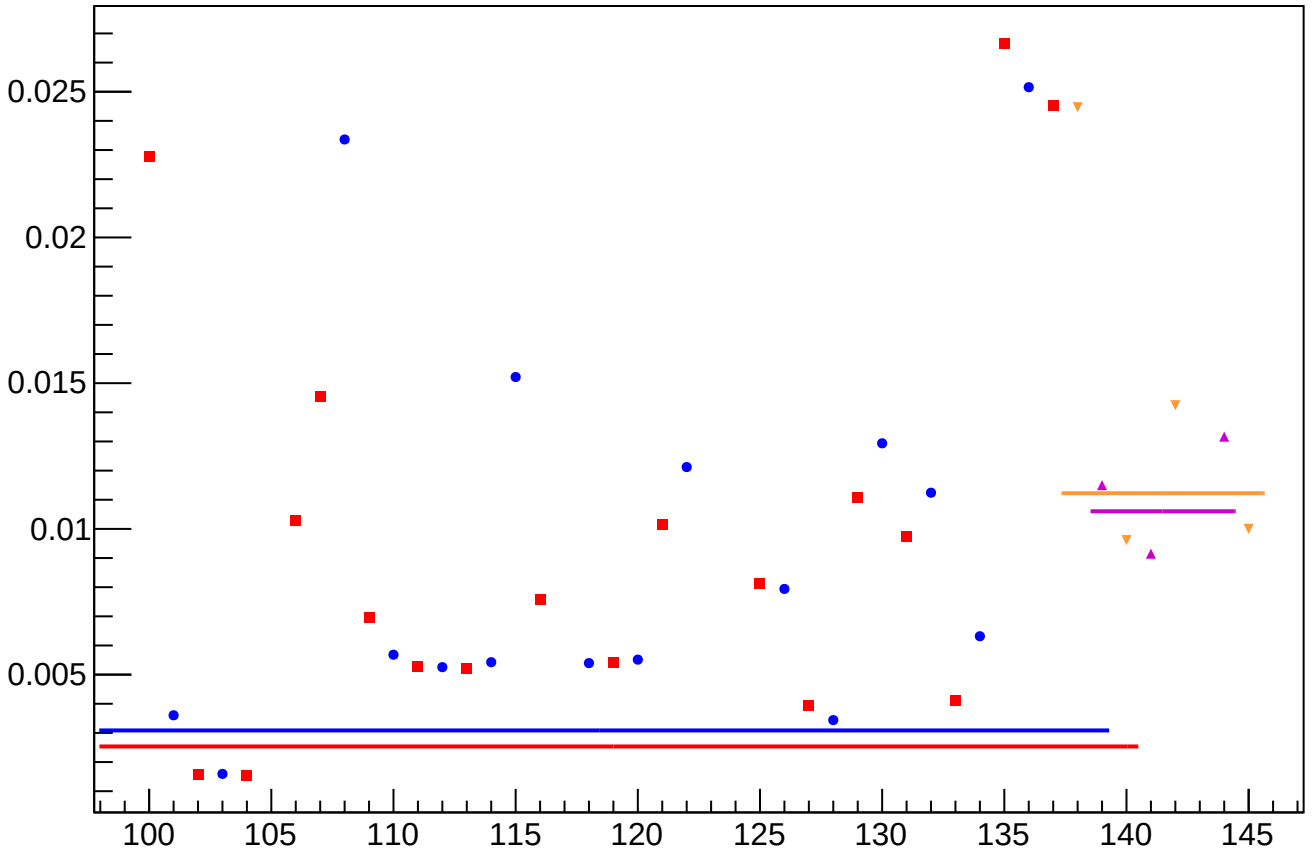
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/19

All: 0.000+/-0.000 χ^2/NDF: 46.3/40

- sign 0.000+/-0.000 χ^2/NDF: 19.0/20



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.011+/-0.000 χ^2/NDF:555877.6/3

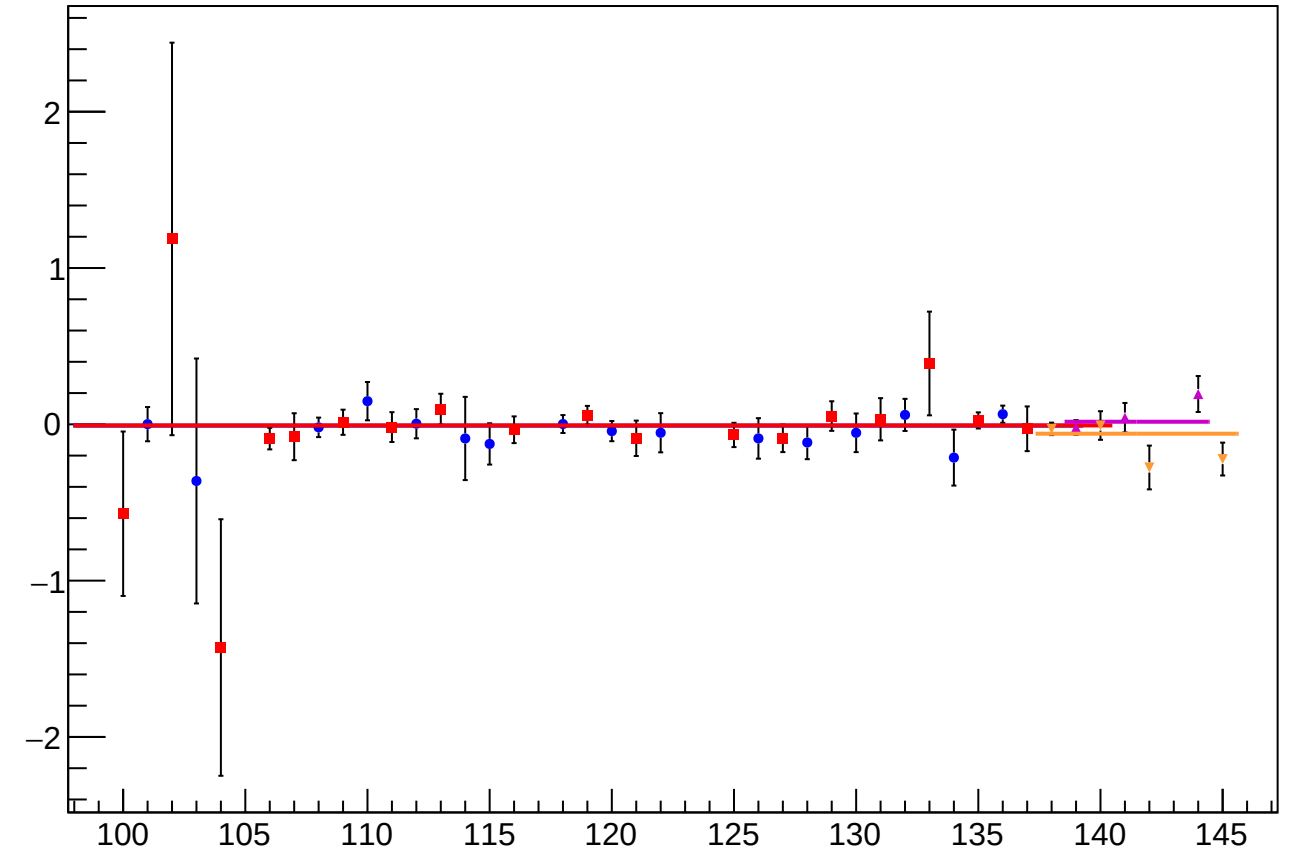
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.011+/-0.000 χ^2/NDF:108855.0/2

+ sign 0.003+/-0.000 χ^2/NDF: 8792996.8/19

All: 0.003+/-0.000 χ^2/NDF: 17841749.5/40

- sign 0.003+/-0.000 χ^2/NDF: 8806350.1/20



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.060+/-0.034 χ^2/NDF:5.7/3

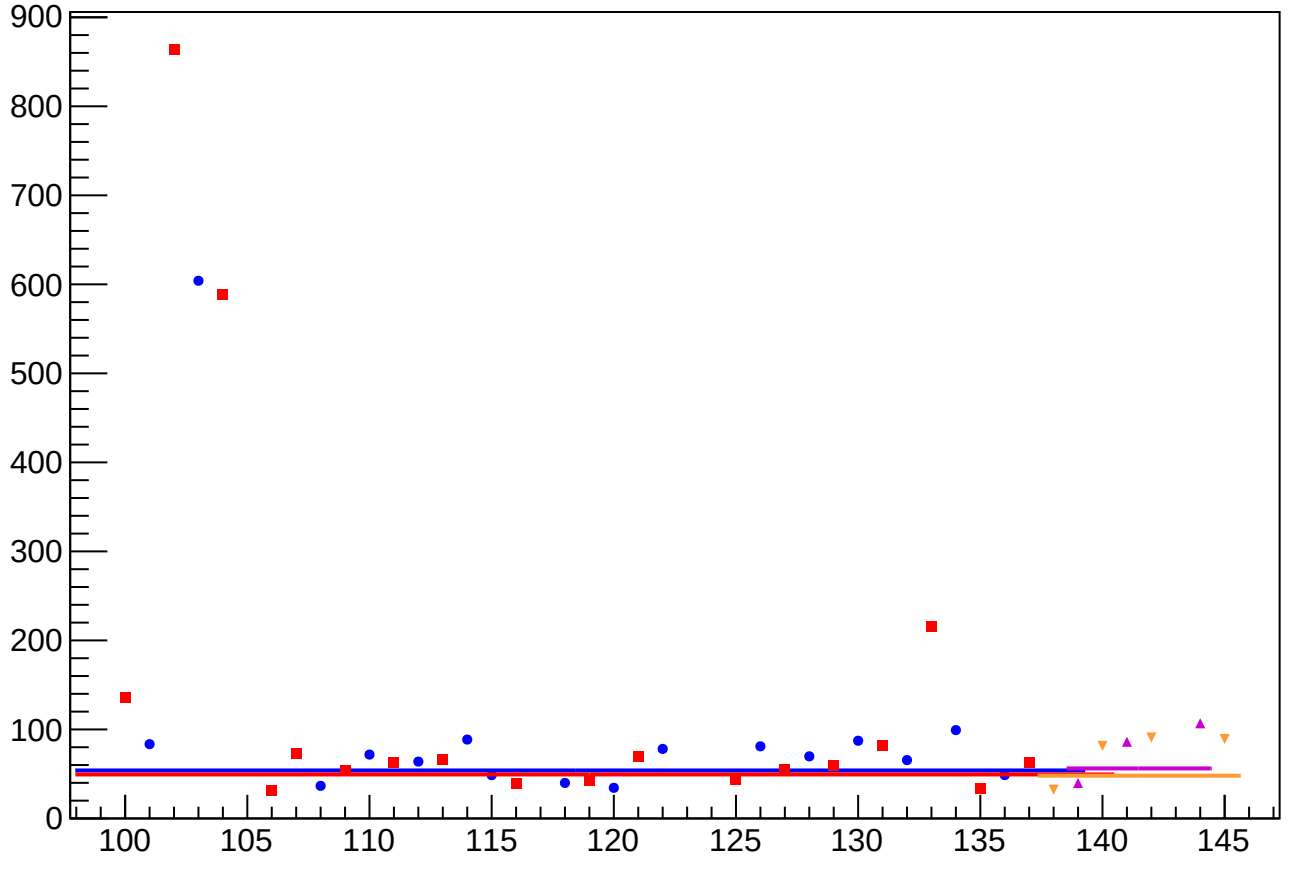
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.017+/-0.040 χ^2/NDF:3.1/2

+ sign -0.025+/-0.019 χ^2/NDF: 15.6/19

All: -0.013+/-0.014 χ^2/NDF: 33.4/40

- sign -0.001+/-0.019 χ^2/NDF: 17.0/20



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 48.065+/-0.024 χ^2/NDF:1074101.1/3

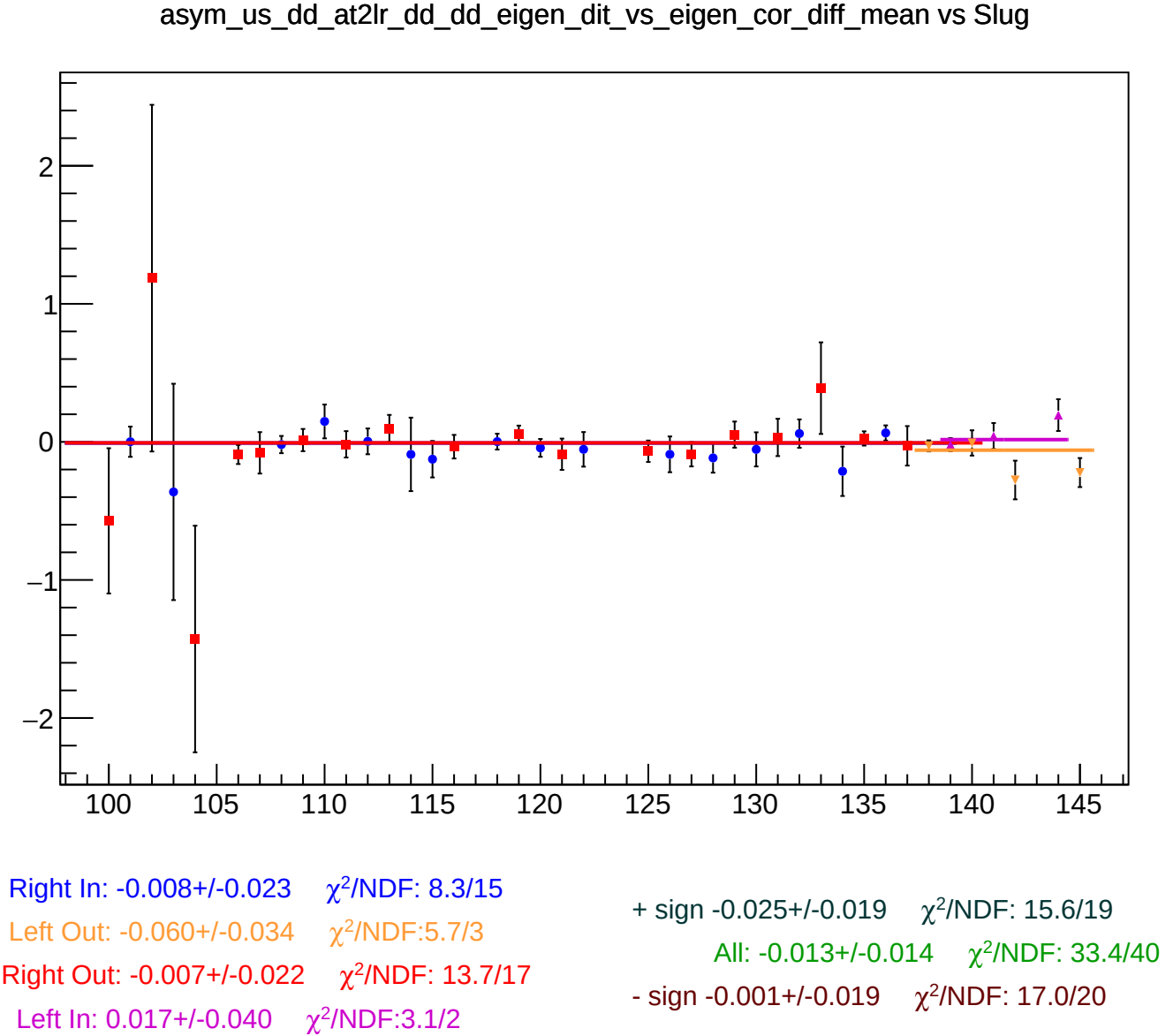
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

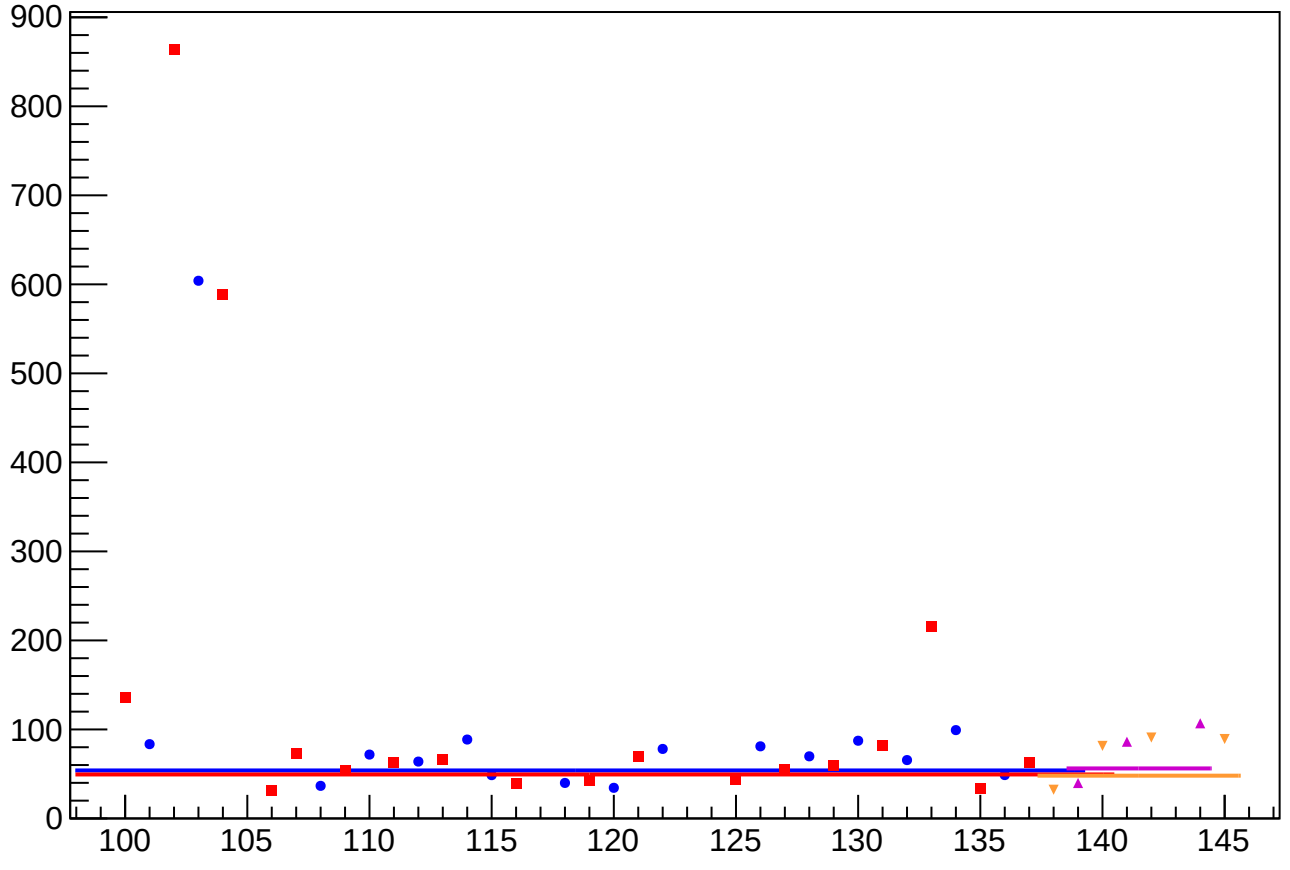
Left In: 56.194+/-0.028 χ^2/NDF:828944.2/2

+ sign 52.043+/-0.013 χ^2/NDF: 3329479.2/19

All: 51.546+/-0.010 χ^2/NDF: 7222707.4/40

- sign 51.028+/-0.014 χ^2/NDF: 3890440.4/20


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
145
Right In: -0.008+/-0.023 χ²/NDF: 8.3/15
Left Out: -0.060+/-0.034 χ²/NDF:5.7/3
Right Out: -0.007+/-0.022 χ²/NDF: 13.7/17
Left In: 0.017+/-0.040 χ²/NDF:3.1/2
+ sign -0.025+/-0.019 χ²/NDF: 15.6/19
All: -0.013+/-0.014 χ²/NDF: 33.4/40
- sign -0.001+/-0.019 χ²/NDF: 17.0/20



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 48.065+/-0.024 χ^2/NDF:1074101.1/3

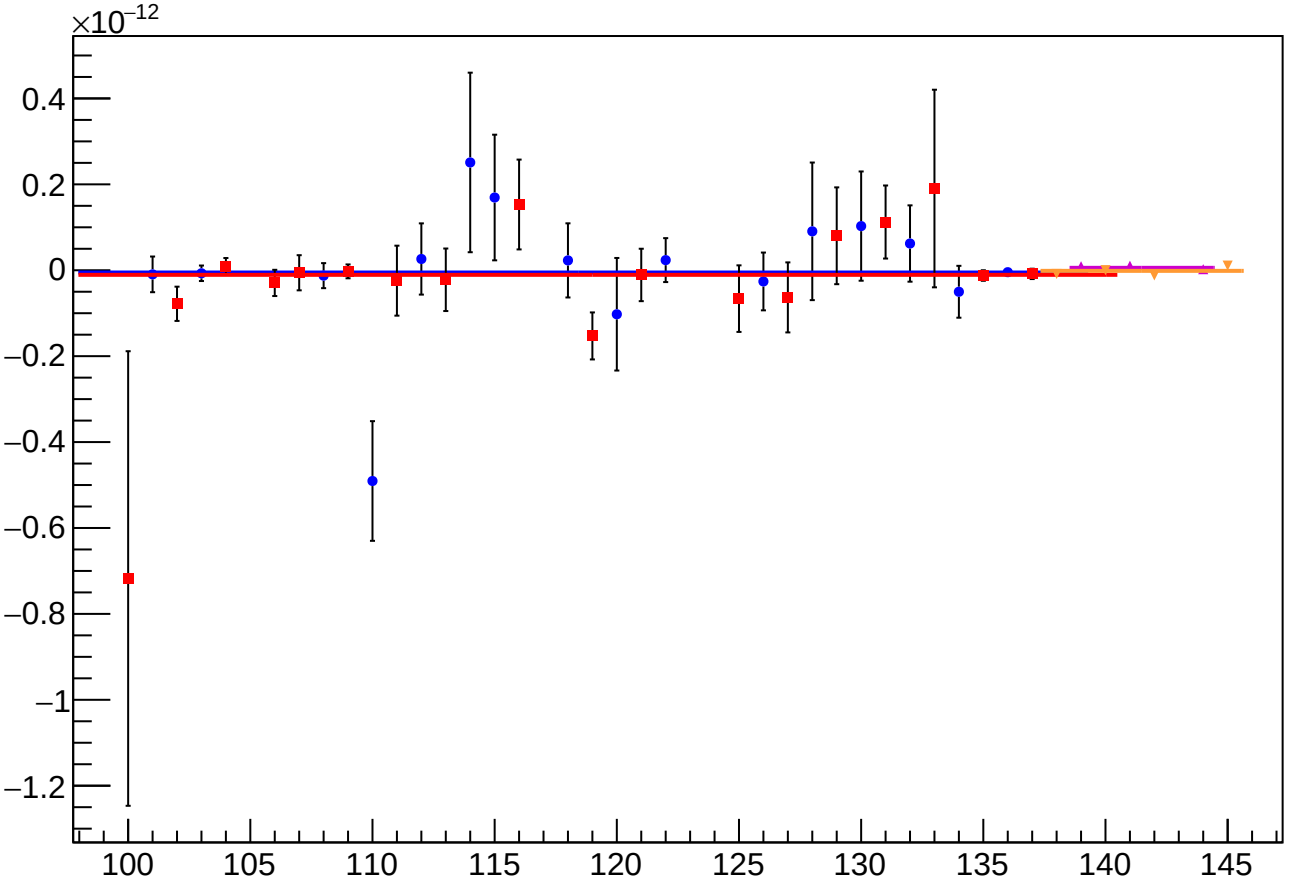
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.194+/-0.028 χ^2/NDF:828944.2/2

+ sign 52.043+/-0.013 χ^2/NDF: 3329479.2/19

All: 51.546+/-0.010 χ^2/NDF: 7222707.4/40

- sign 51.028+/-0.014 χ^2/NDF: 3890440.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

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

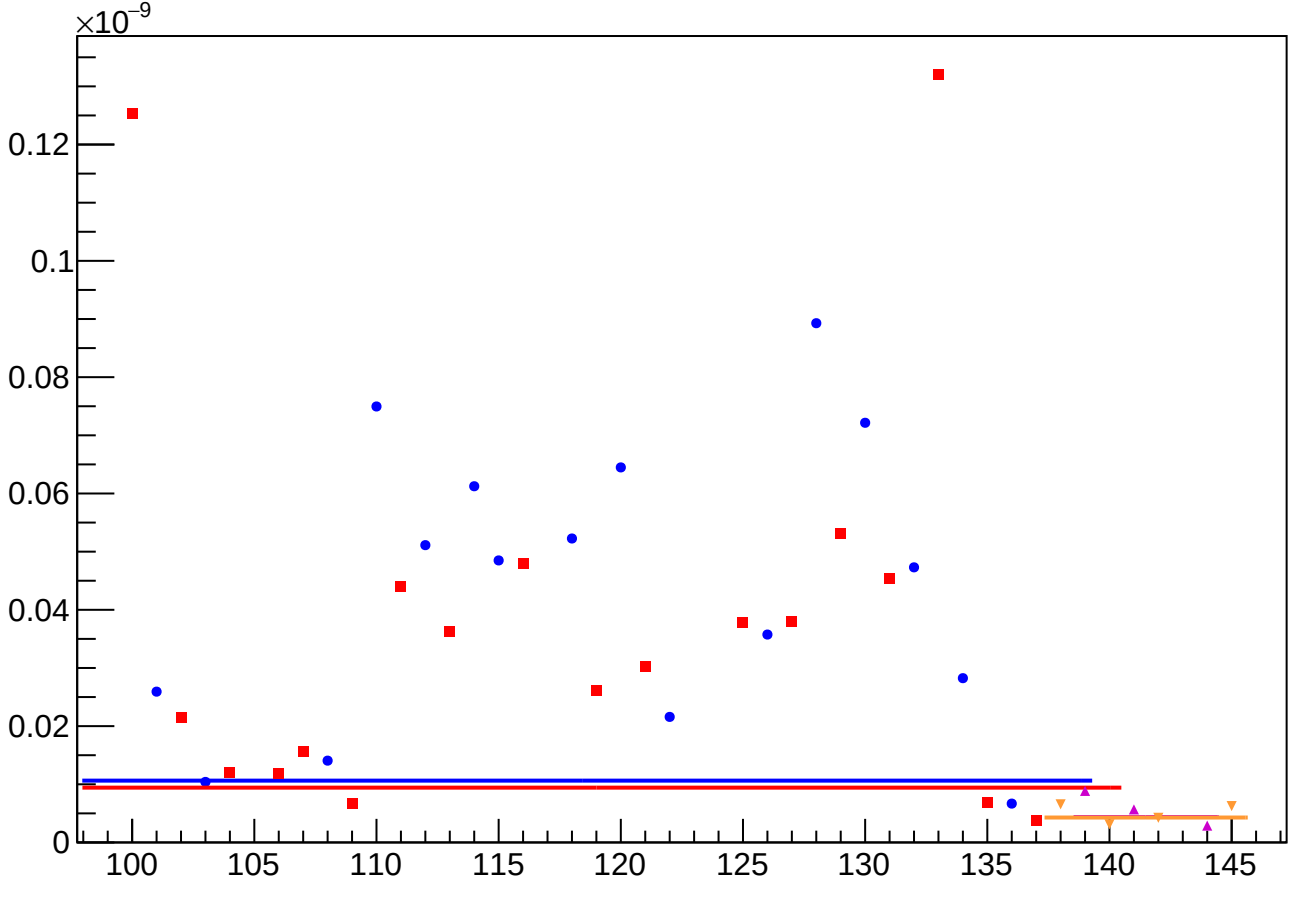
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/19

All: -0.000+/-0.000 χ^2/NDF: 49.8/40

- sign 0.000+/-0.000 χ^2/NDF: 25.8/20



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

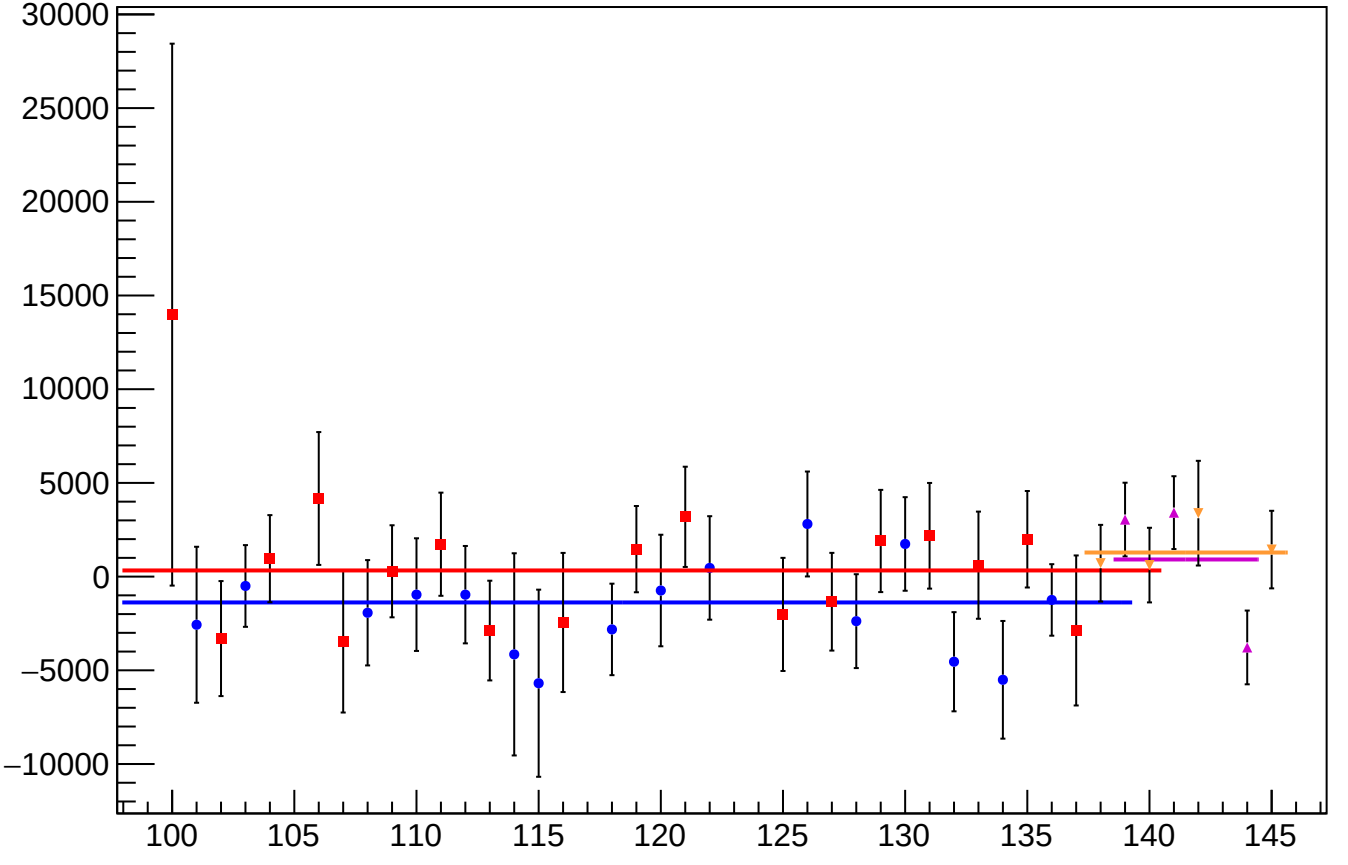
Left In: 0.000+/-0.000 χ^2/NDF:571494.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 6307910.5/19

All: 0.000+/-0.000 χ^2/NDF: 11820339.4/40

- sign 0.000+/-0.000 χ^2/NDF: 5510201.8/20

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

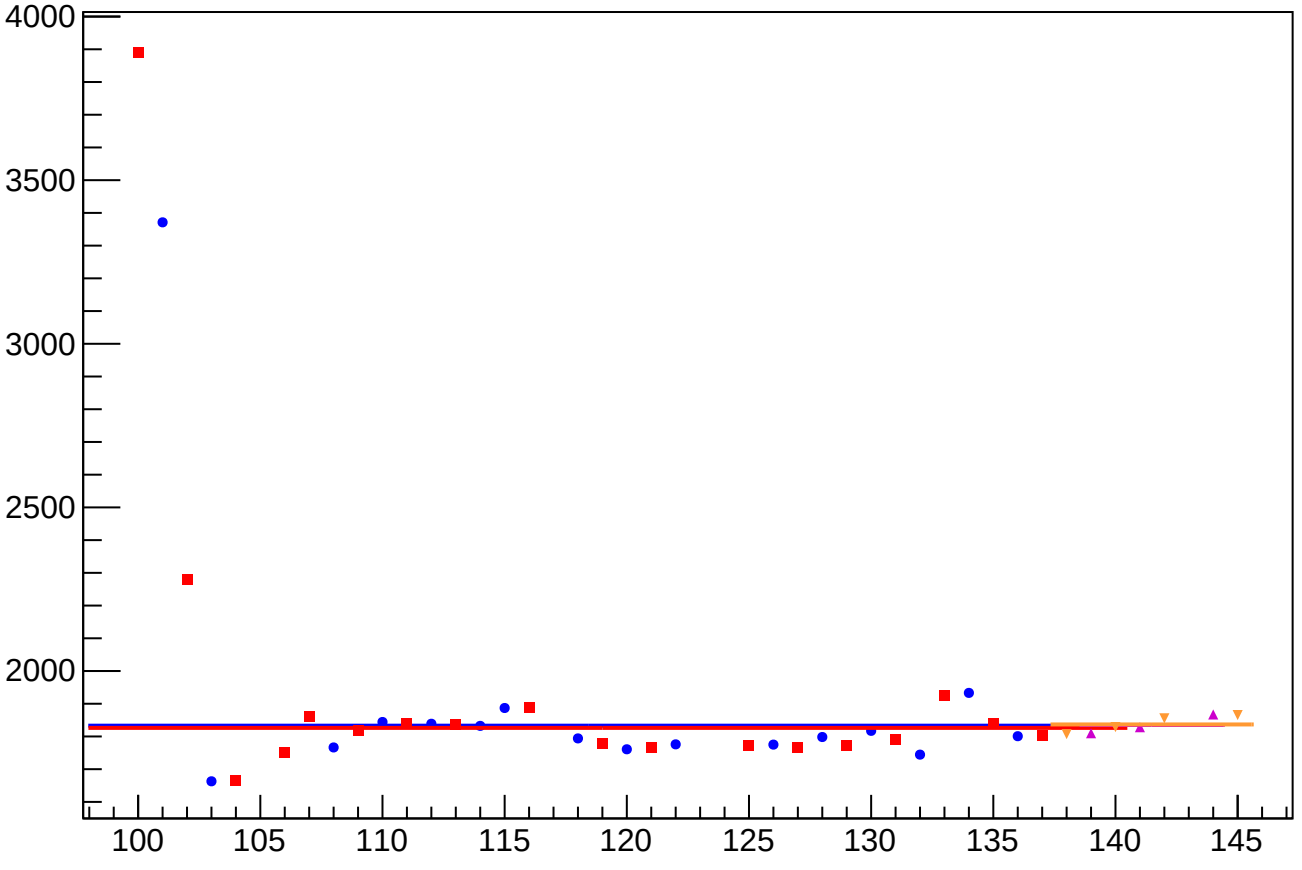
Left In: 914.044+/-1131.212 χ^2/NDF:8.5/2

+ sign -610.909+/-581.325 χ^2/NDF: 14.4/19

All: -66.428+/-412.439 χ^2/NDF: 35.9/40

- sign 485.427+/-585.248 χ^2/NDF: 19.8/20

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

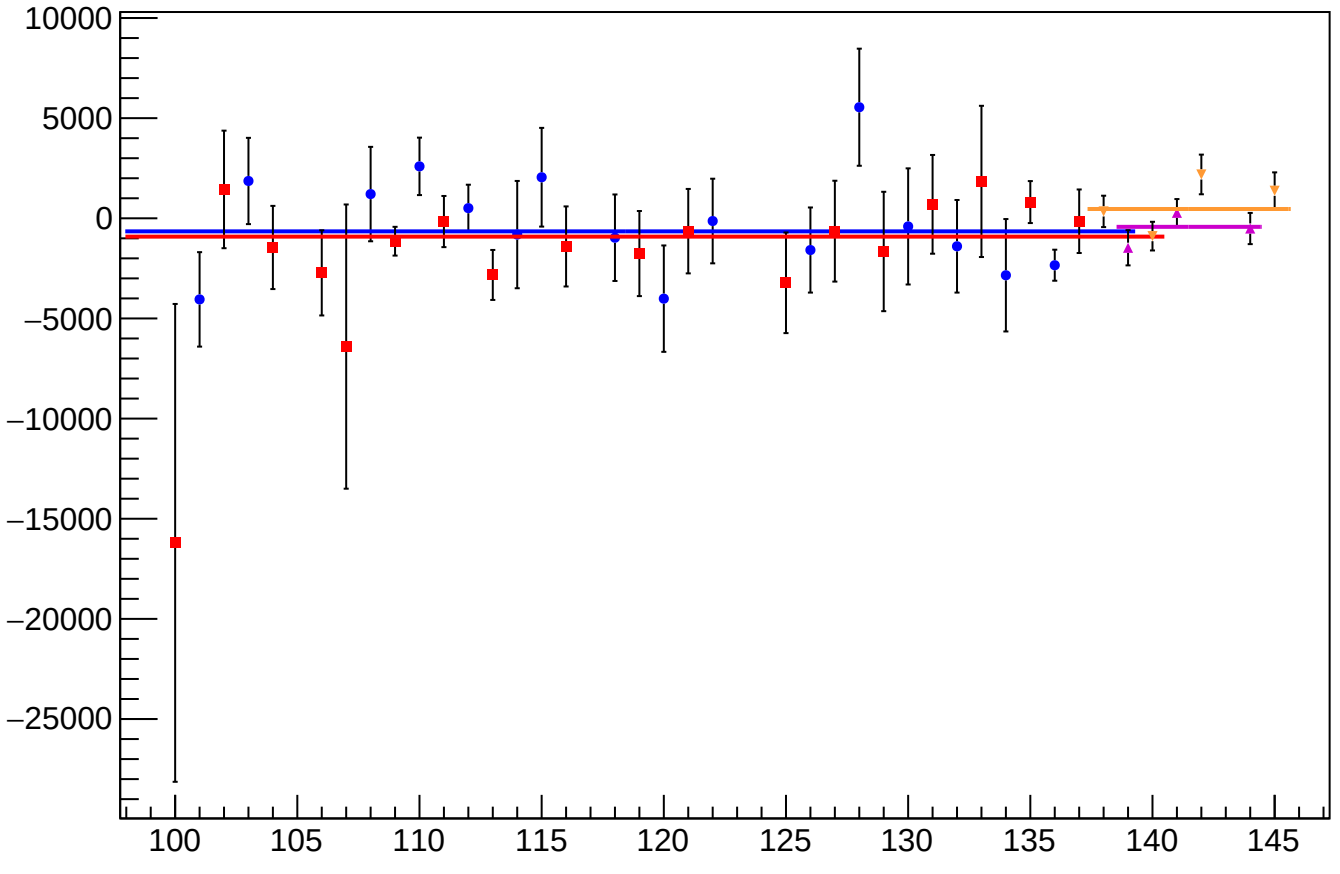
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1835.055+/-0.800 χ^2/NDF:886.5/2

+ sign 1834.027+/-0.411 χ^2/NDF: 296382.1/19

All: 1831.320+/-0.292 χ^2/NDF: 400452.1/40

- sign 1828.576+/-0.414 χ^2/NDF: 103982.7/20



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: 464.689+/-415.718 χ^2/NDF:7.6/3

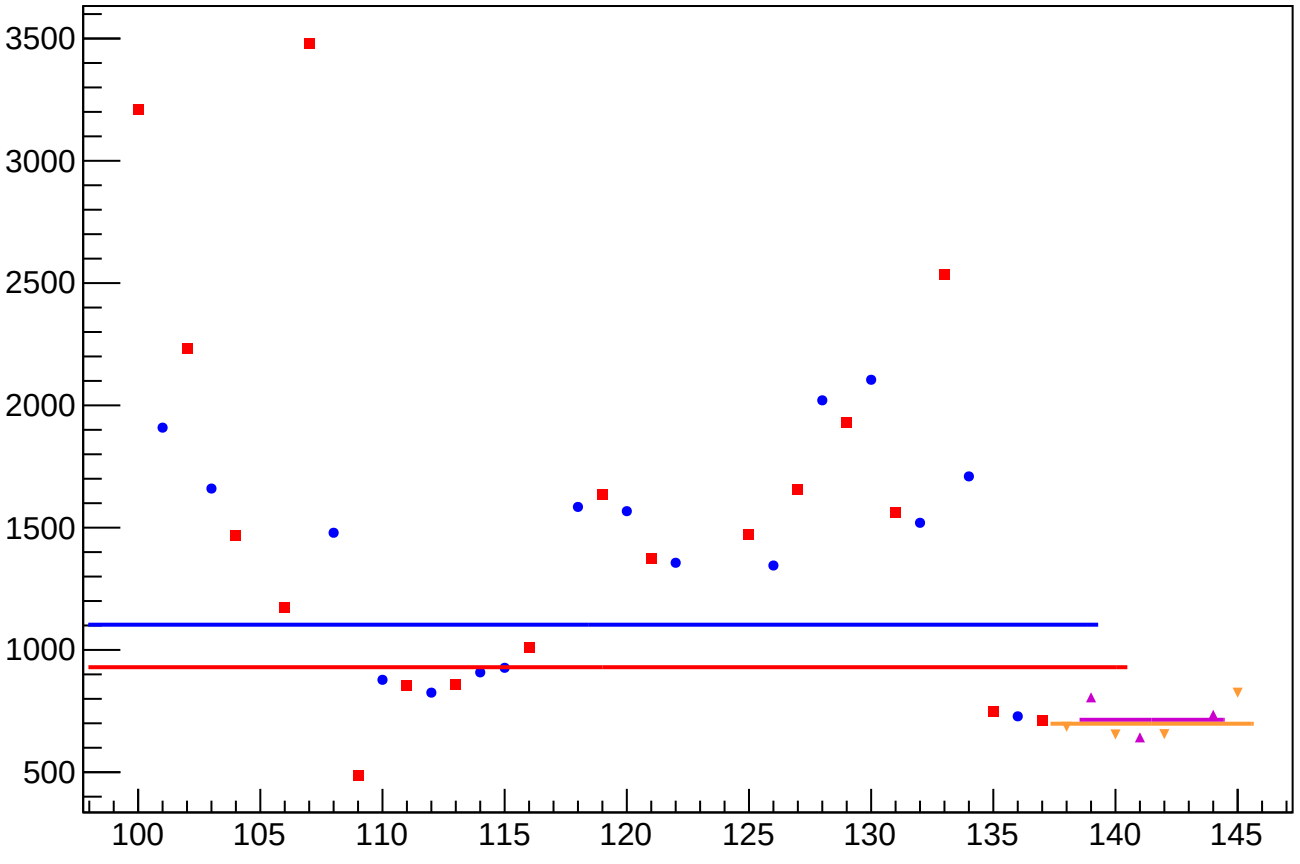
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -426.227+/-444.281 χ^2/NDF:2.5/2

+ sign -59.275+/-302.866 χ^2/NDF: 34.2/19

All: -388.578+/-211.153 χ^2/NDF: 51.2/40

- sign -700.021+/-294.538 χ^2/NDF: 14.7/20



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

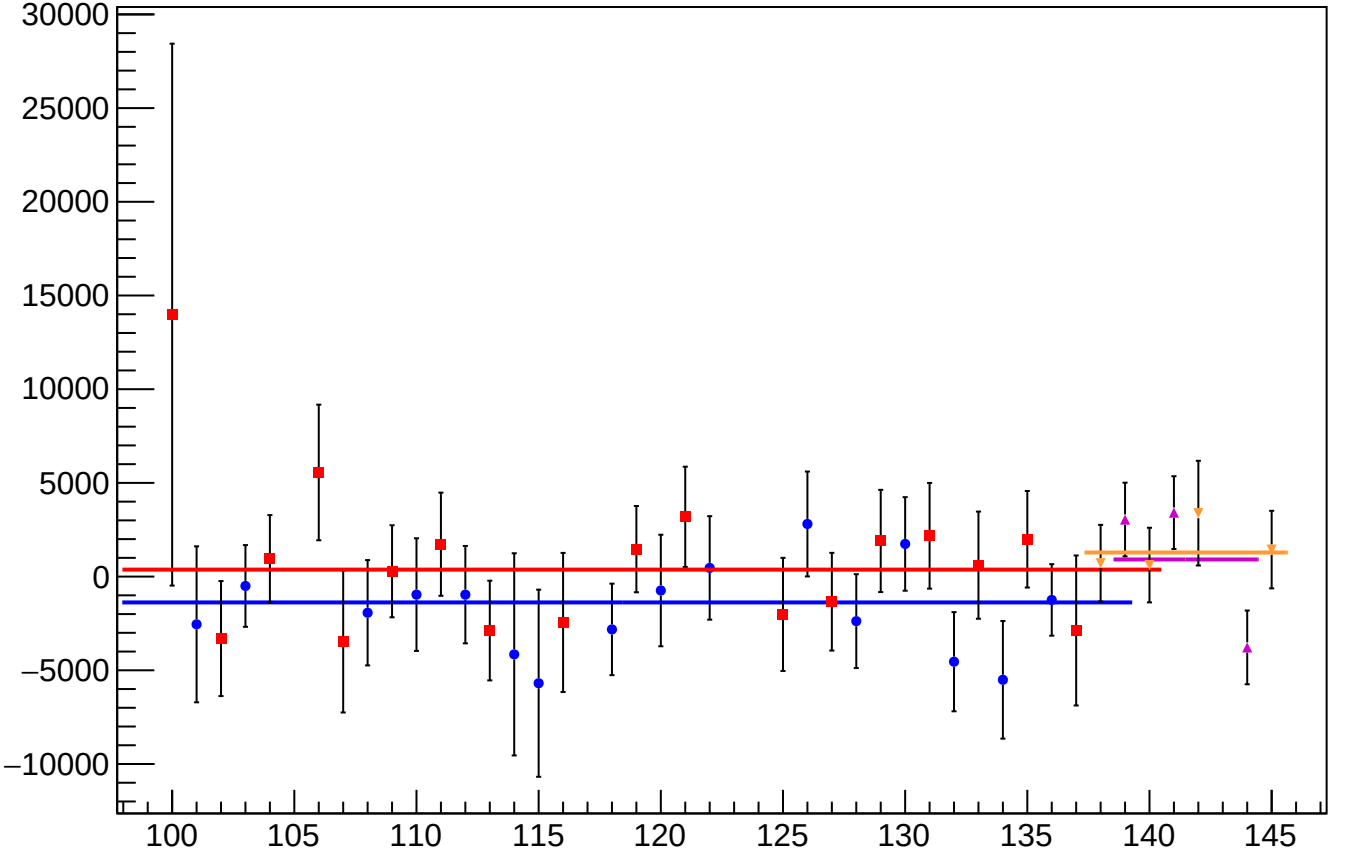
Left In: 714.377+/-0.314 χ^2/NDF:45089.0/2

+ sign 888.295+/-0.214 χ^2/NDF: 2818295.5/19

All: 860.838+/-0.149 χ^2/NDF: 6211927.1/40

- sign 834.871+/-0.208 χ^2/NDF: 3361649.5/20

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

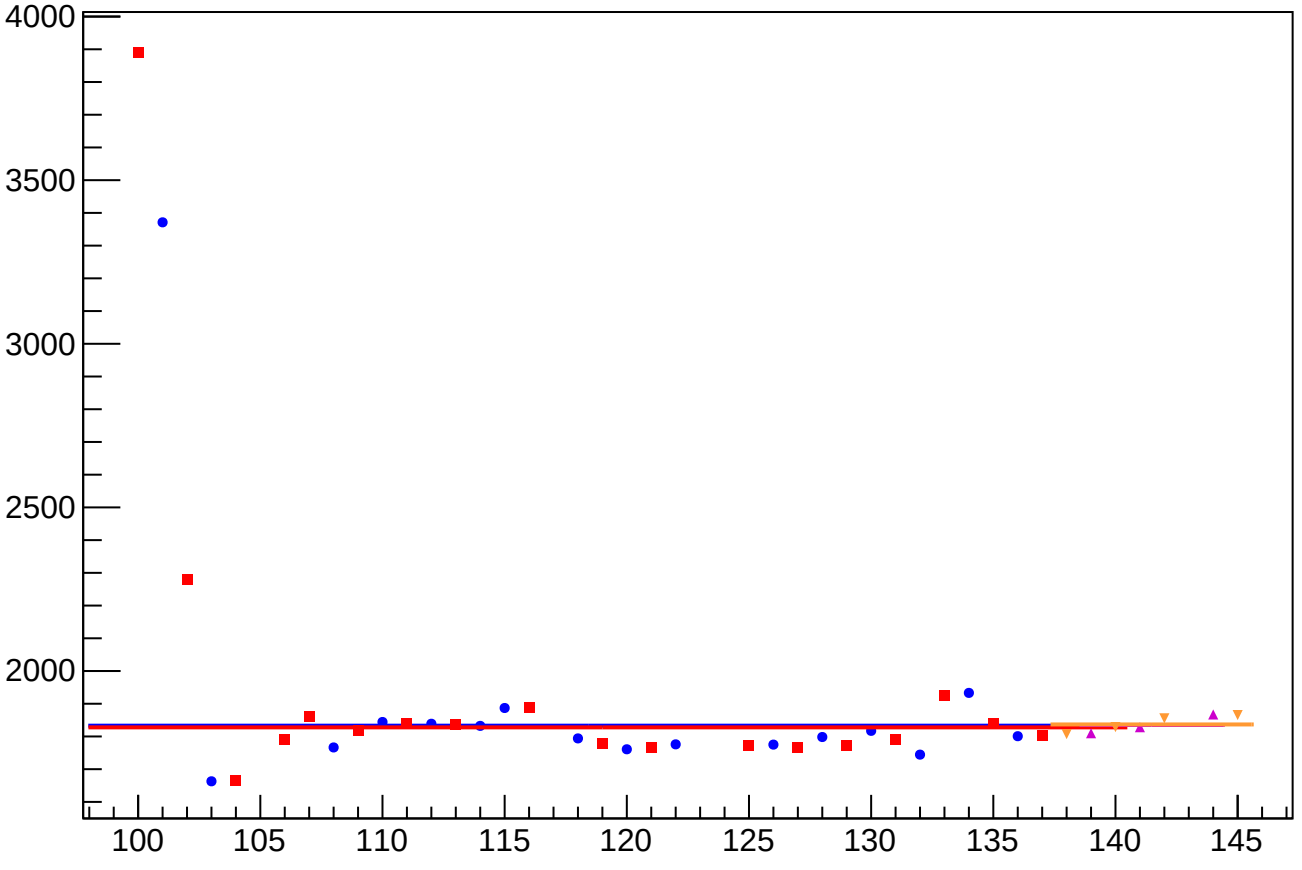
Left In: 914.183+/-1131.212 χ^2/NDF:8.5/2

+ sign -610.425+/-581.325 χ^2/NDF: 14.4/19

All: -50.482+/-412.553 χ^2/NDF: 36.9/40

- sign 517.676+/-585.574 χ^2/NDF: 20.6/20

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

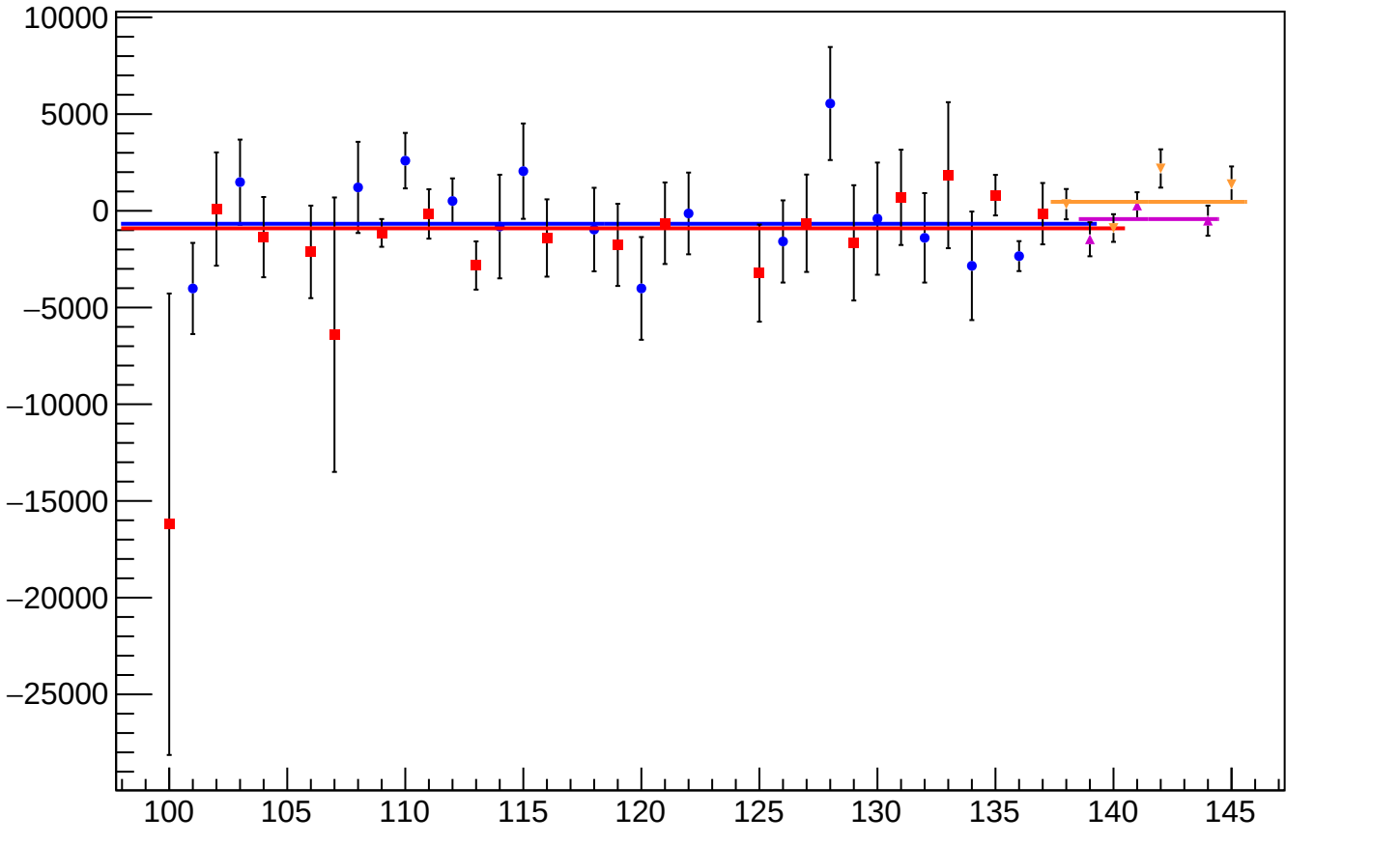
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1835.055+/-0.800 χ^2/NDF:886.5/2

+ sign 1834.027+/-0.411 χ^2/NDF: 296383.9/19

All: 1831.895+/-0.292 χ^2/NDF: 399655.4/40

- sign 1829.733+/-0.414 χ^2/NDF: 103217.3/20



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 464.594+/-415.724 χ^2/NDF:7.6/3

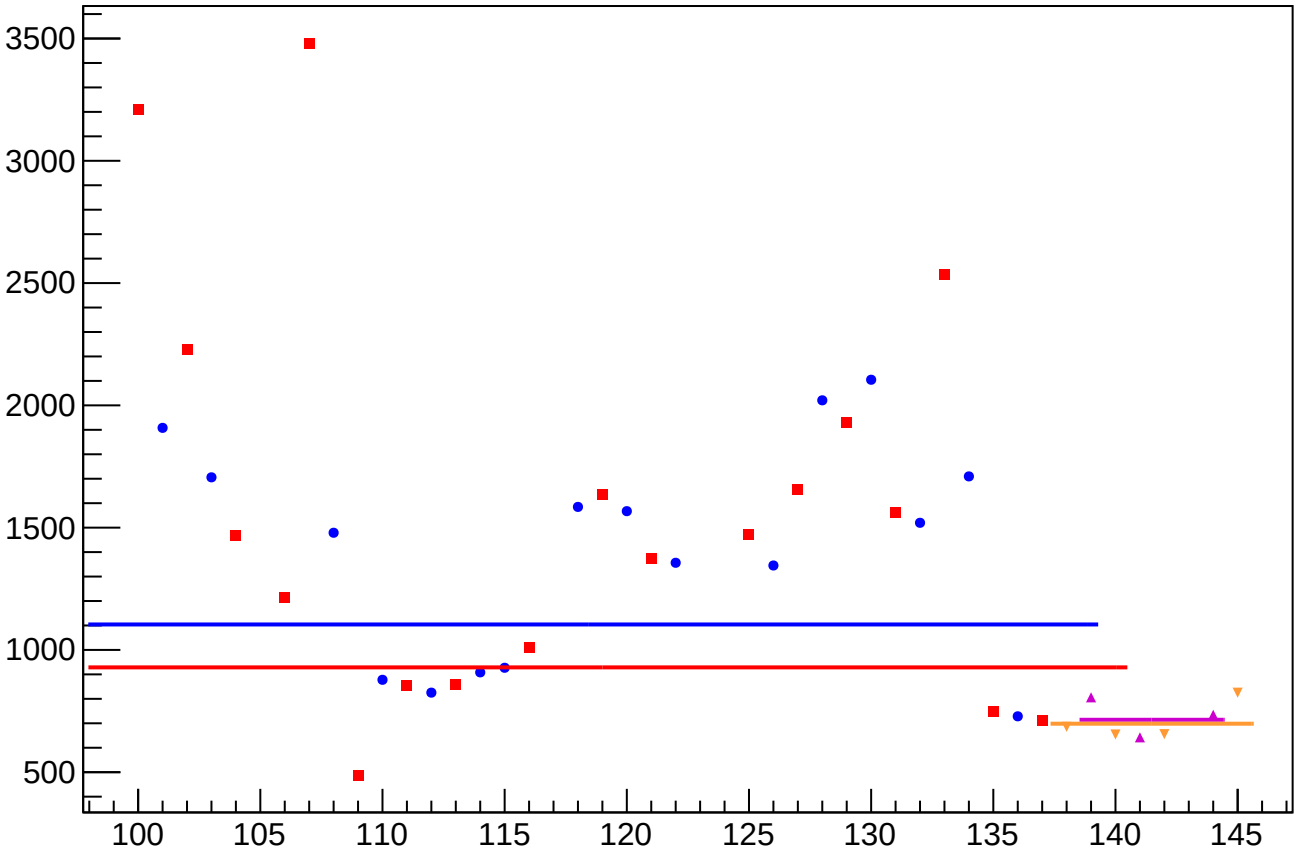
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -426.193+/-444.277 χ^2/NDF:2.5/2

\+ sign -67.585+/-302.987 χ^2/NDF: 33.9/19

All: -389.139+/-211.408 χ^2/NDF: 49.7/40

\- sign -694.212+/-295.120 χ^2/NDF: 13.6/20



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

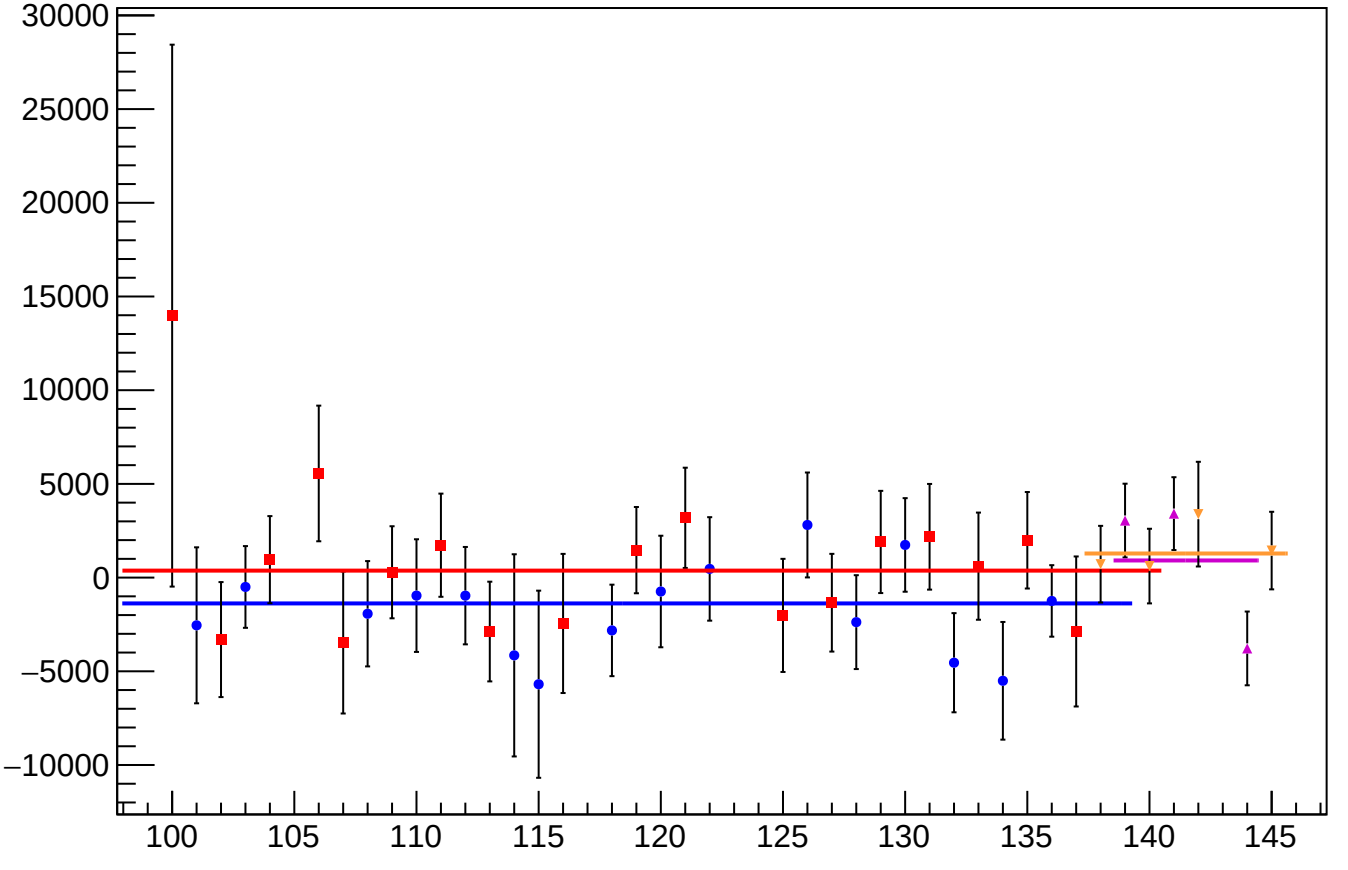
Left In: 714.370+/-0.314 χ^2/NDF:45104.6/2

\+ sign 888.565+/-0.214 χ^2/NDF: 2837795.1/19

All: 860.609+/-0.149 χ^2/NDF: 6230366.1/40

\- sign 834.086+/-0.209 χ^2/NDF: 3359390.2/20

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

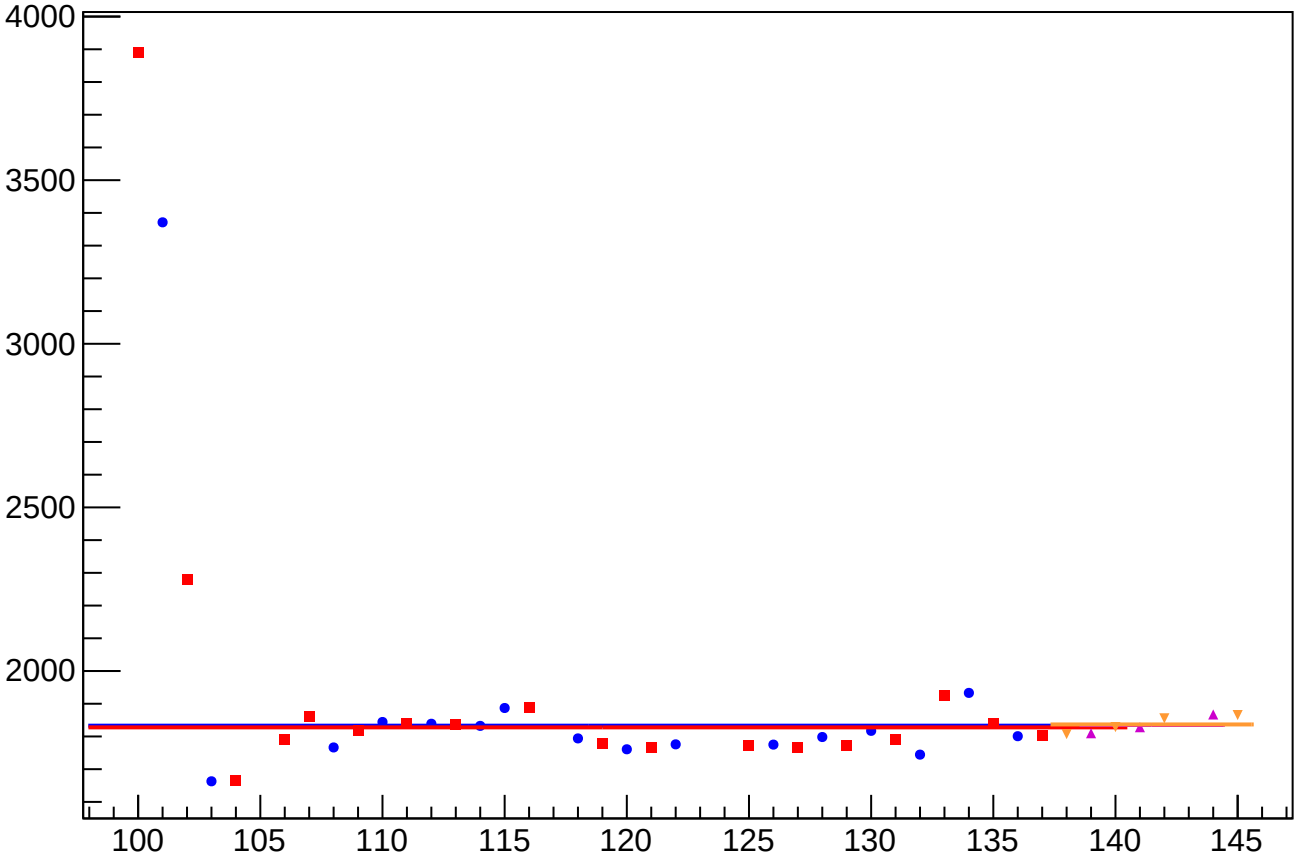
Left In: 914.183+/-1131.212 χ^2/NDF:8.5/2

+ sign -610.425+/-581.325 χ^2/NDF: 14.4/19

All: -50.482+/-412.553 χ^2/NDF: 36.9/40

- sign 517.676+/-585.574 χ^2/NDF: 20.6/20

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

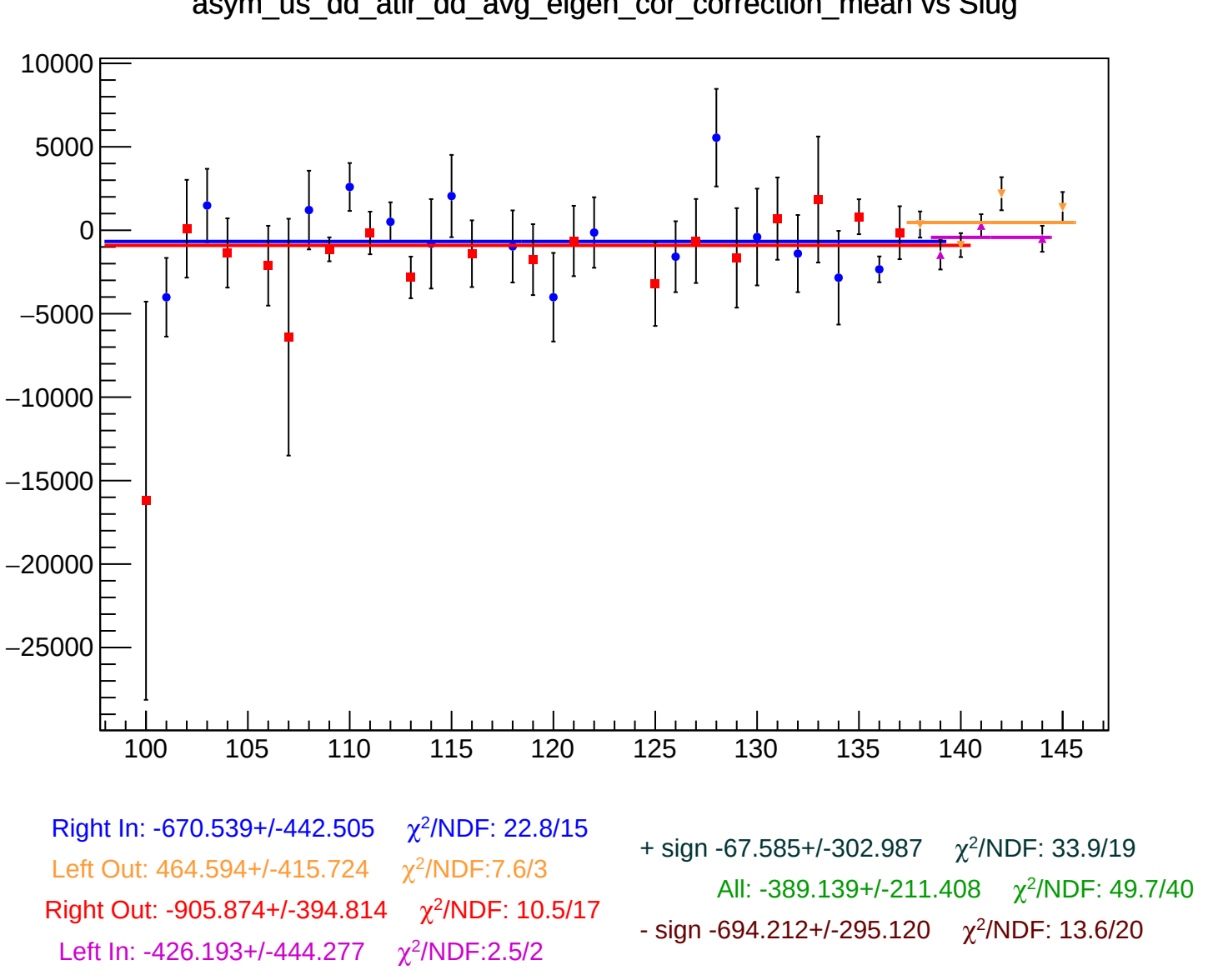
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

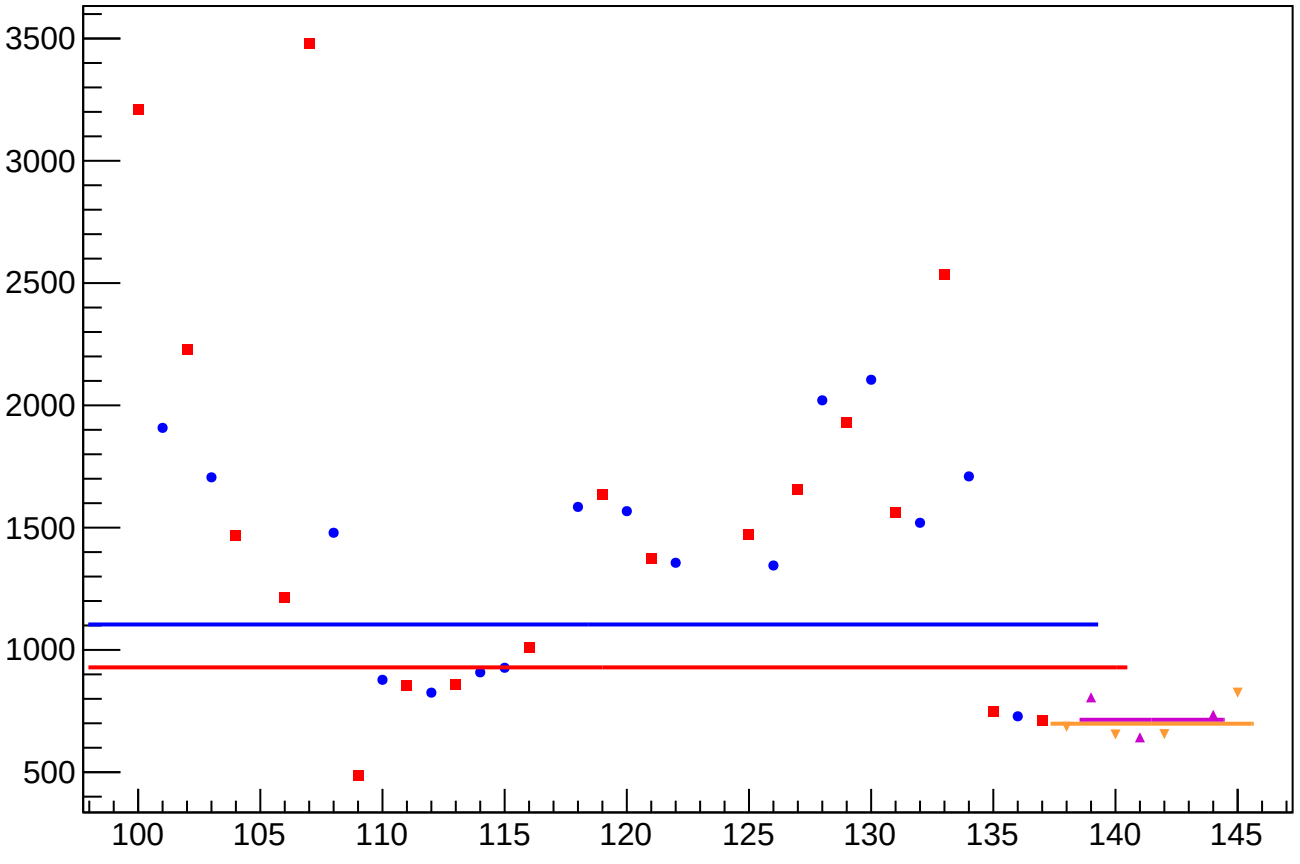
Left In: 1835.055+/-0.800 χ^2/NDF:886.5/2

+ sign 1834.027+/-0.411 χ^2/NDF: 296383.9/19

All: 1831.895+/-0.292 χ^2/NDF: 399655.4/40

- sign 1829.733+/-0.414 χ^2/NDF: 103217.3/20


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: -670.539+/-442.505 χ²/NDF: 22.8/15
Left Out: 464.594+/-415.724 χ²/NDF:7.6/3
Right Out: -905.874+/-394.814 χ²/NDF: 10.5/17
Left In: -426.193+/-444.277 χ²/NDF:2.5/2
+ sign -67.585+/-302.987 χ²/NDF: 33.9/19
All: -389.139+/-211.408 χ²/NDF: 49.7/40
- sign -694.212+/-295.120 χ²/NDF: 13.6/20



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

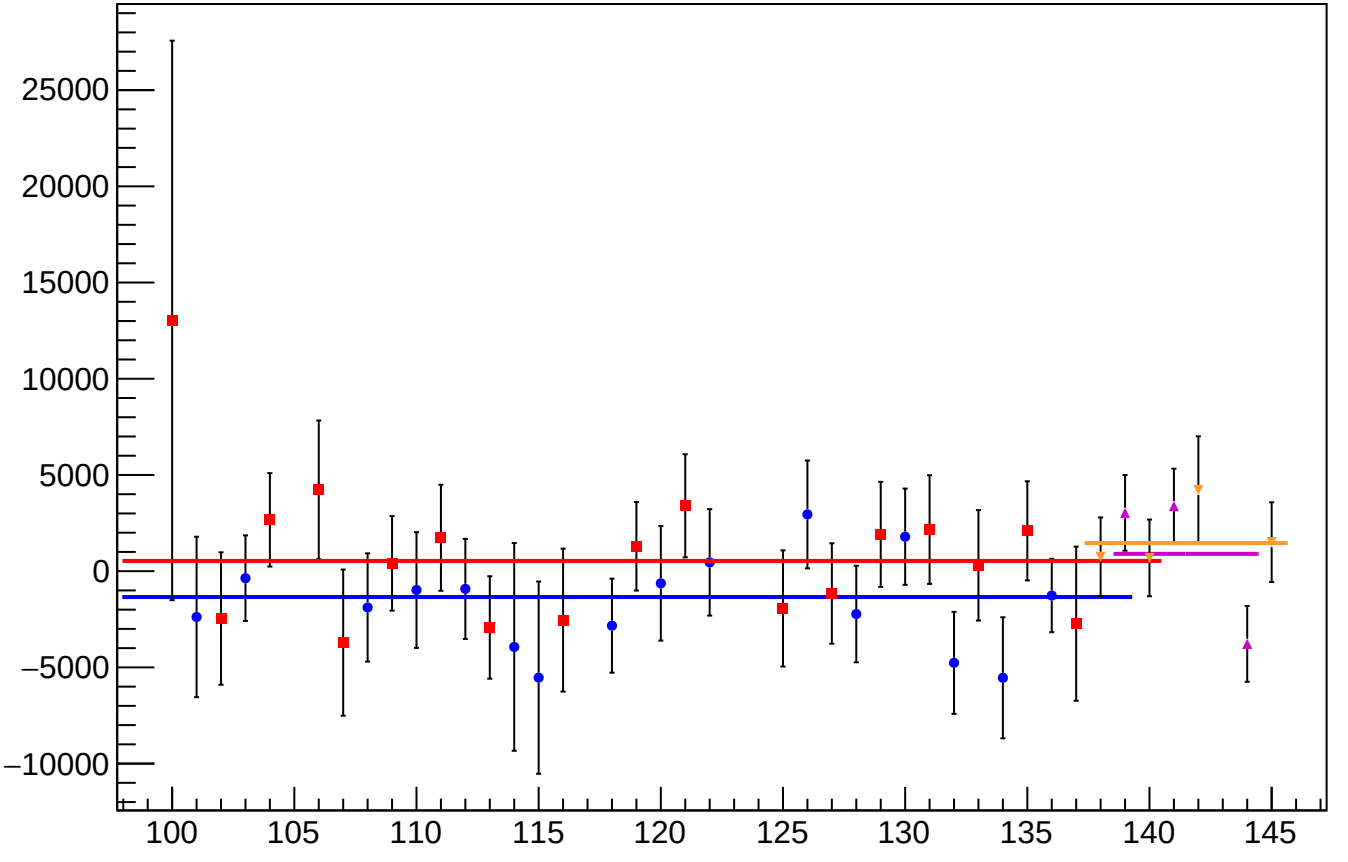
Left In: 714.370+/-0.314 χ^2/NDF:45104.6/2

+ sign 888.565+/-0.214 χ^2/NDF: 2837795.1/19

All: 860.609+/-0.149 χ^2/NDF: 6230366.1/40

- sign 834.086+/-0.209 χ^2/NDF: 3359390.2/20

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

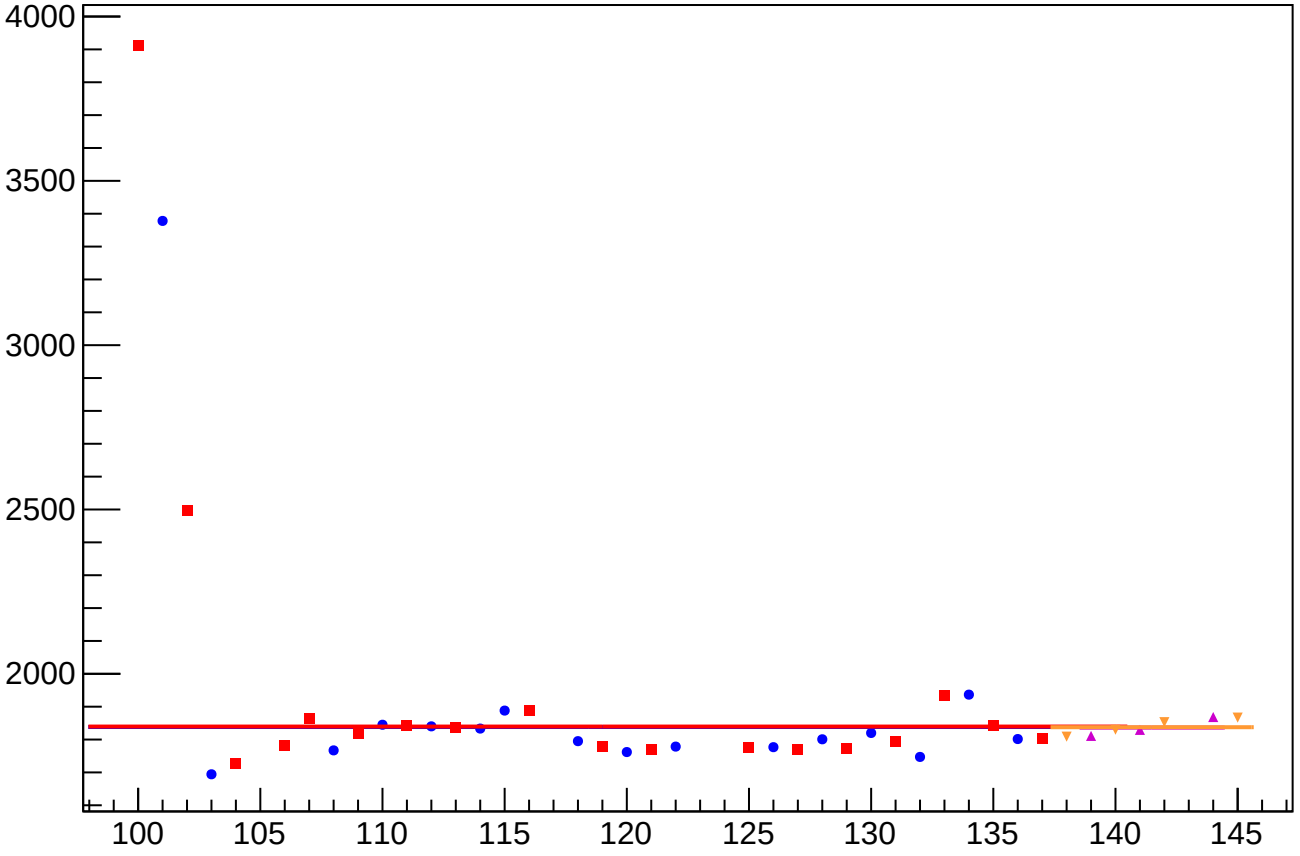
Left In: 899.718+/-1131.994 χ^2/NDF:8.4/2

+ sign -532.726+/-582.553 χ^2/NDF: 15.6/19

All: 43.158+/-414.458 χ^2/NDF: 37.2/40

- sign 633.416+/-589.779 χ^2/NDF: 19.6/20

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

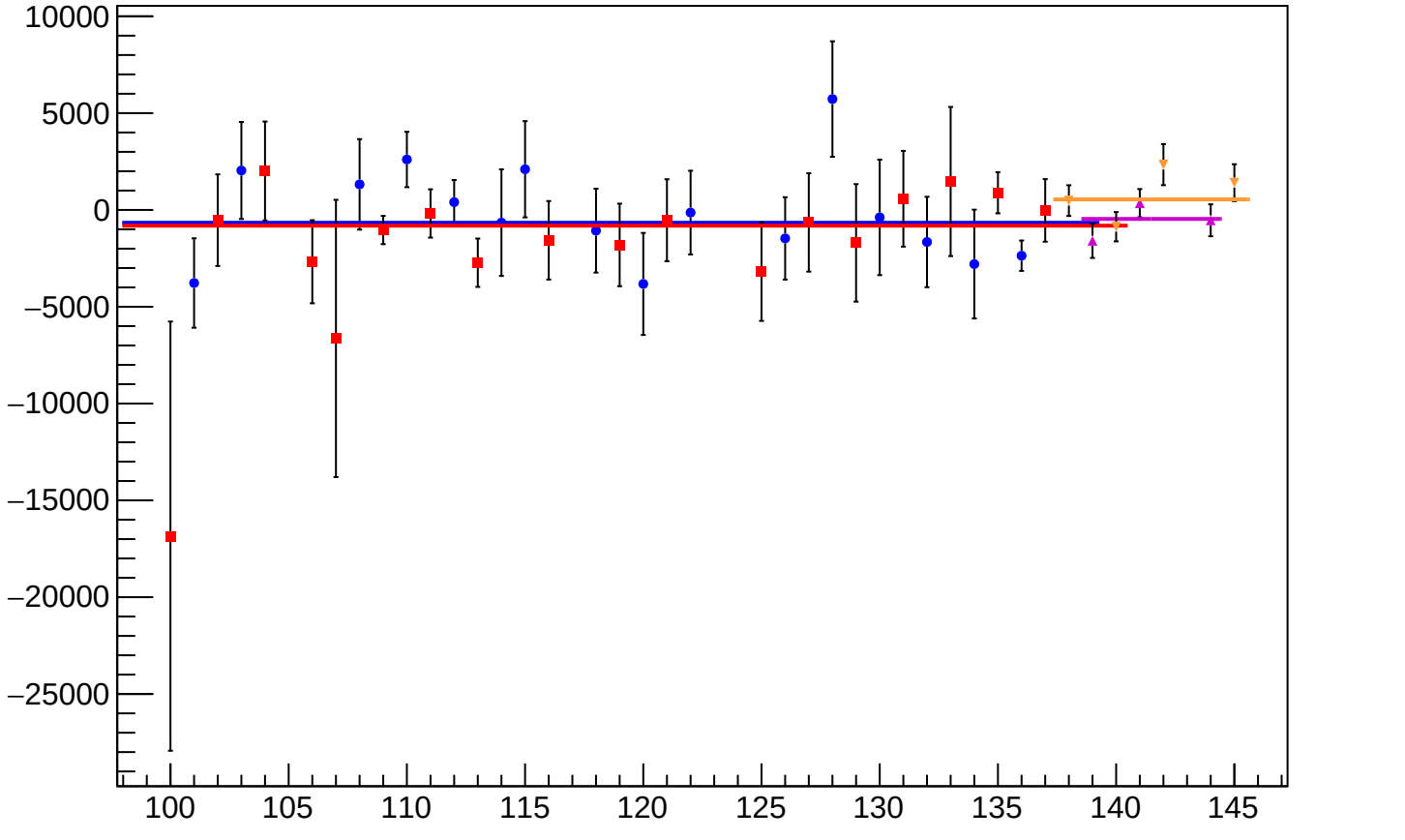
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1836.318+/-0.800 χ^2/NDF:887.1/2

+ sign 1837.983+/-0.412 χ^2/NDF: 292865.7/19

All: 1838.312+/-0.293 χ^2/NDF: 422019.3/40

- sign 1838.649+/-0.417 χ^2/NDF: 129152.3/20



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: 541.784+/-433.569 χ^2/NDF:7.2/3

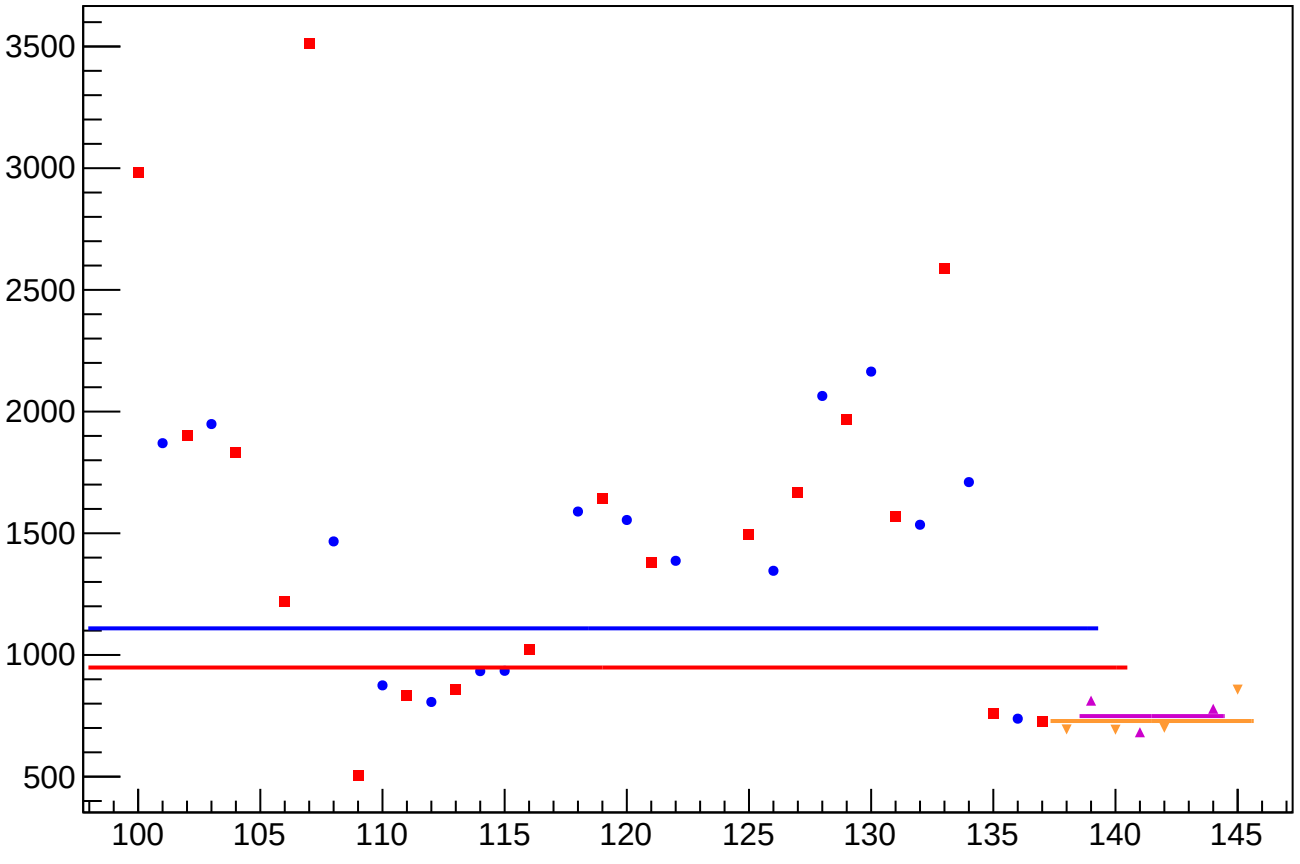
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -464.753+/-464.886 χ^2/NDF:2.9/2

+ sign -43.953+/-310.849 χ^2/NDF: 33.7/19

All: -363.765+/-216.599 χ^2/NDF: 51.2/40

- sign -665.587+/-301.979 χ^2/NDF: 15.4/20



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

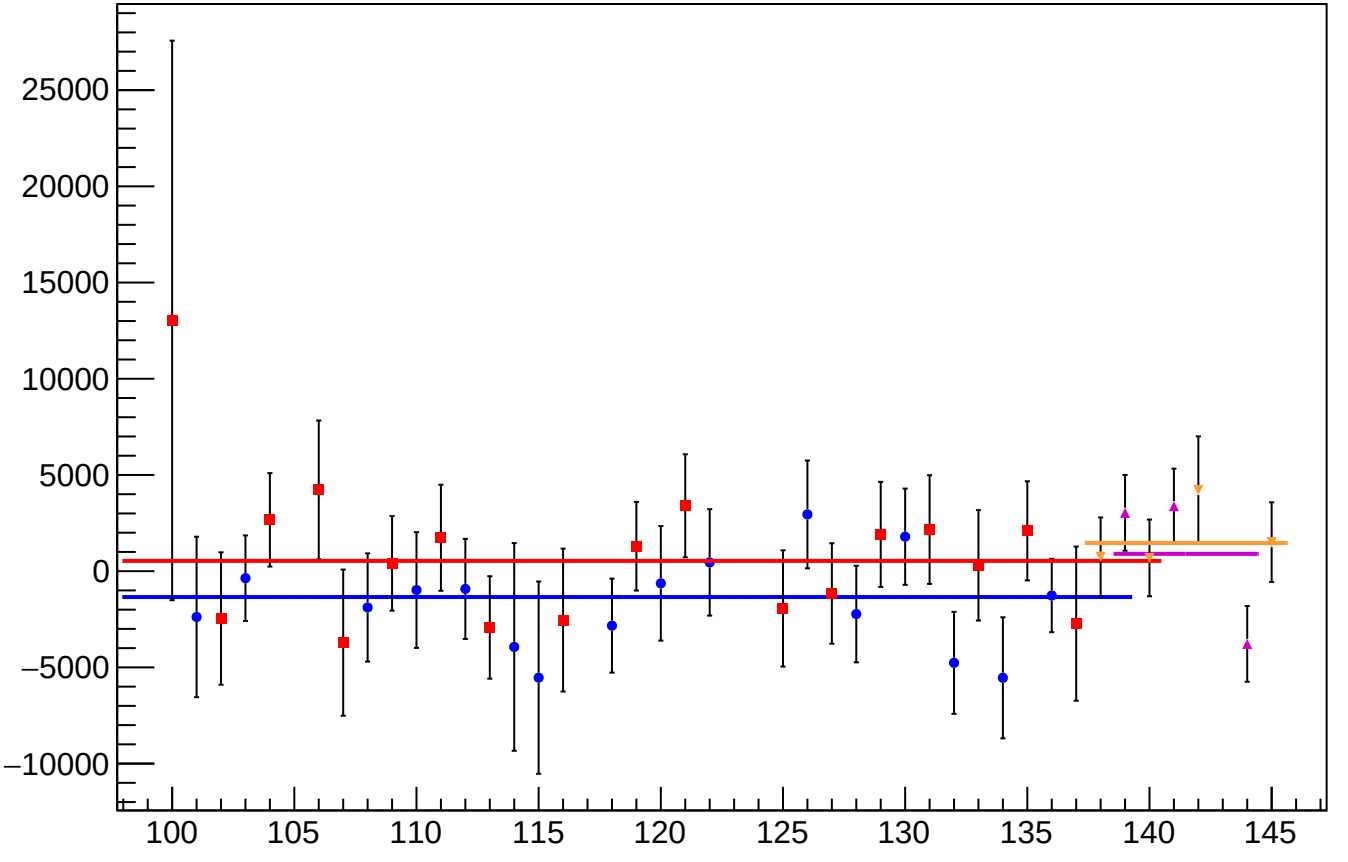
Left In: 748.870+/-0.329 χ^2/NDF:29499.0/2

+ sign 913.652+/-0.220 χ^2/NDF: 2769079.5/19

All: 888.226+/-0.153 χ^2/NDF: 6091308.9/40

- sign 864.230+/-0.214 χ^2/NDF: 3296220.6/20

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

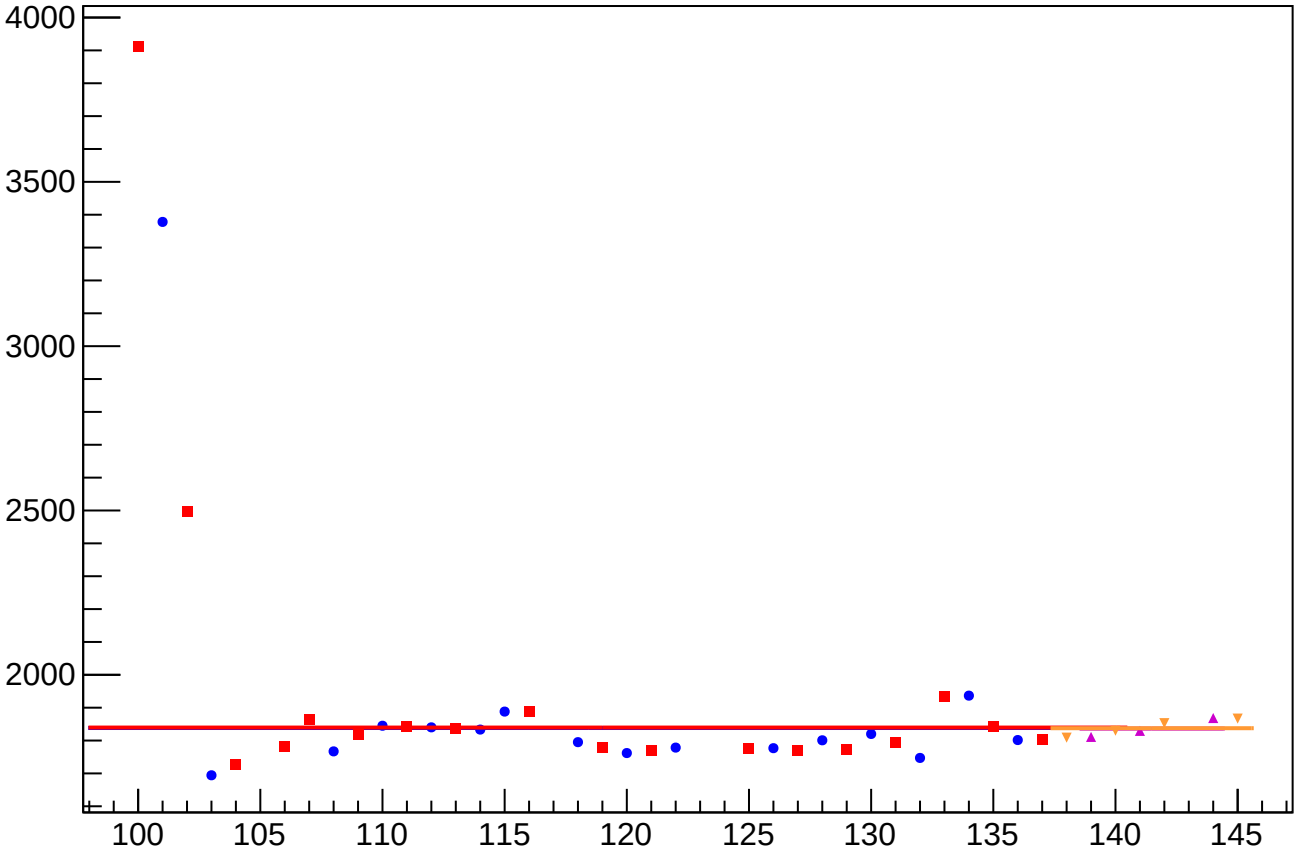
Left In: 899.709+/-1131.994 χ^2/NDF:8.4/2

+ sign -532.727+/-582.553 χ^2/NDF: 15.6/19

All: 43.158+/-414.458 χ^2/NDF: 37.2/40

- sign 633.417+/-589.779 χ^2/NDF: 19.6/20

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

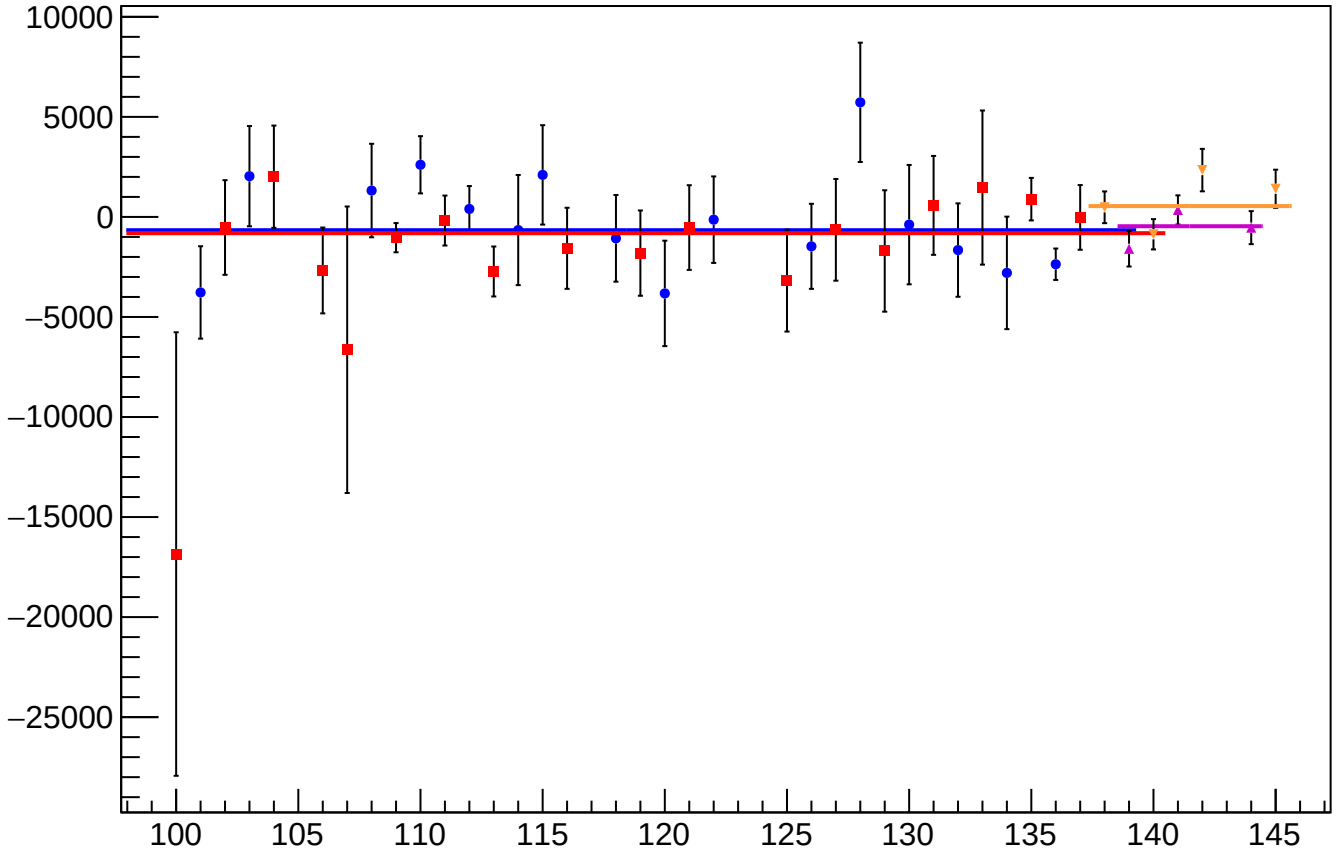
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1836.318+/-0.800 χ^2/NDF:887.1/2

+ sign 1837.983+/-0.412 χ^2/NDF: 292865.6/19

All: 1838.312+/-0.293 χ^2/NDF: 422019.3/40

- sign 1838.649+/-0.417 χ^2/NDF: 129152.4/20



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: 541.789+/-433.573 χ^2/NDF:7.2/3

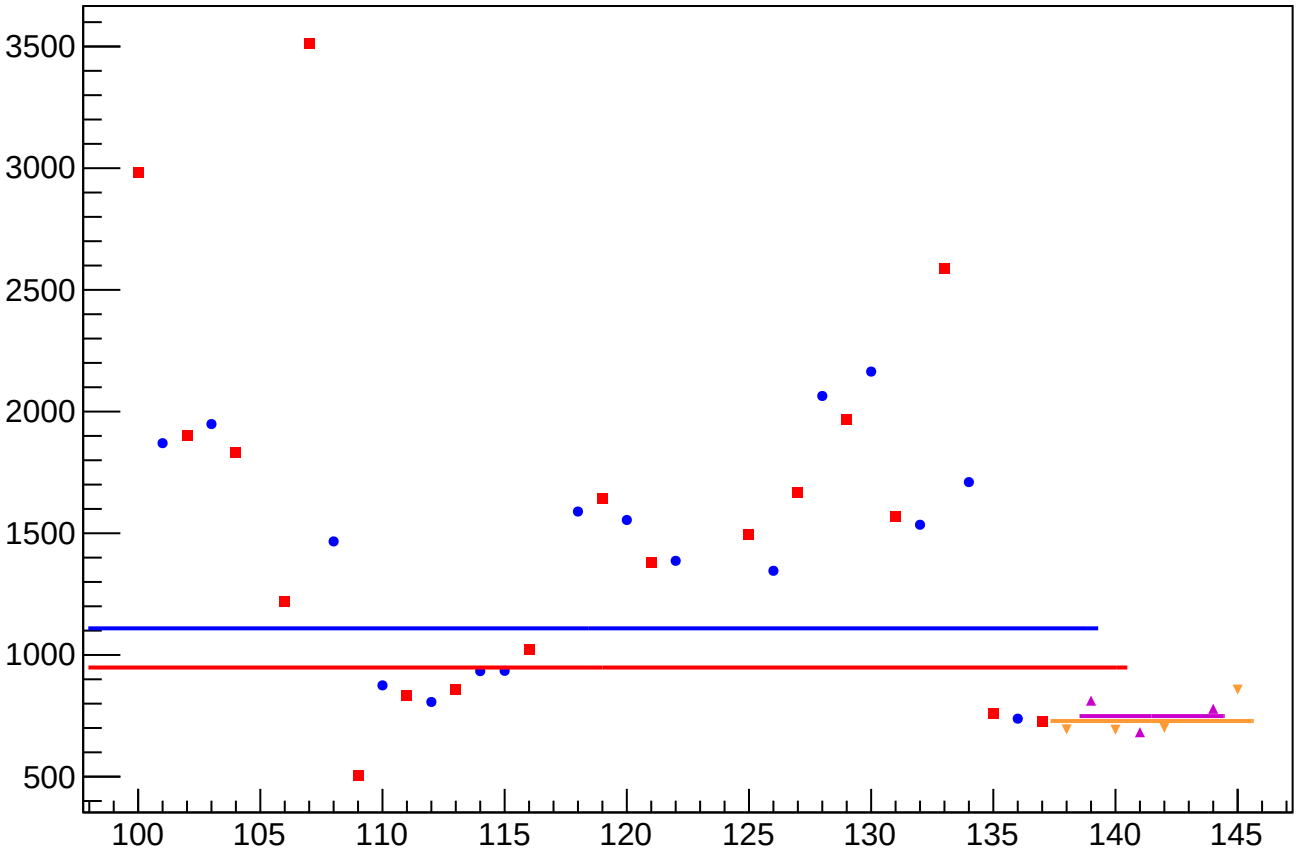
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -464.748+/-464.889 χ^2/NDF:2.9/2

+ sign -43.947+/-310.850 χ^2/NDF: 33.7/19

All: -363.764+/-216.600 χ^2/NDF: 51.2/40

- sign -665.590+/-301.980 χ^2/NDF: 15.4/20



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

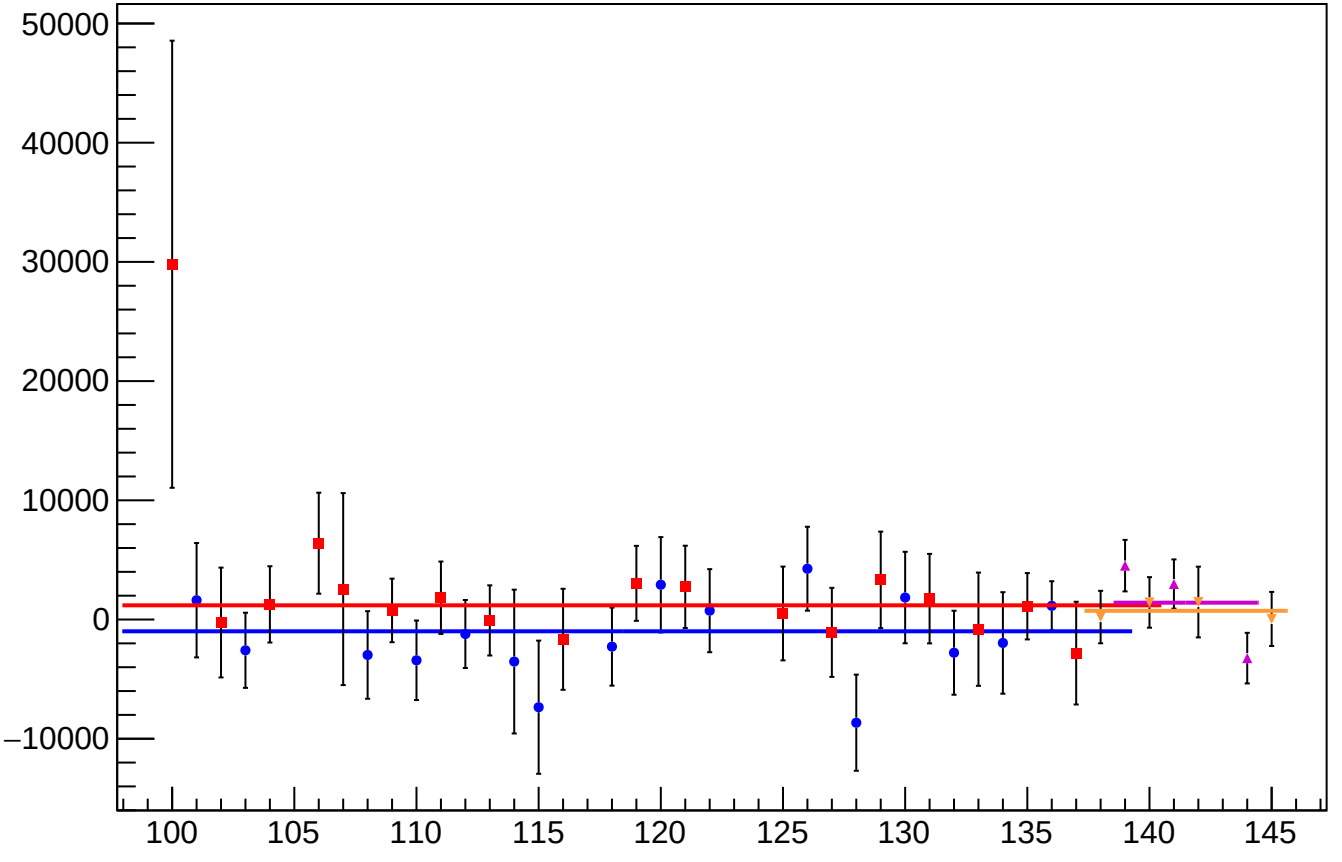
Left In: 748.875+/-0.329 χ^2/NDF:29502.8/2

+ sign 913.657+/-0.220 χ^2/NDF: 2769015.7/19

All: 888.231+/-0.153 χ^2/NDF: 6091218.3/40

- sign 864.234+/-0.214 χ^2/NDF: 3296191.9/20

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

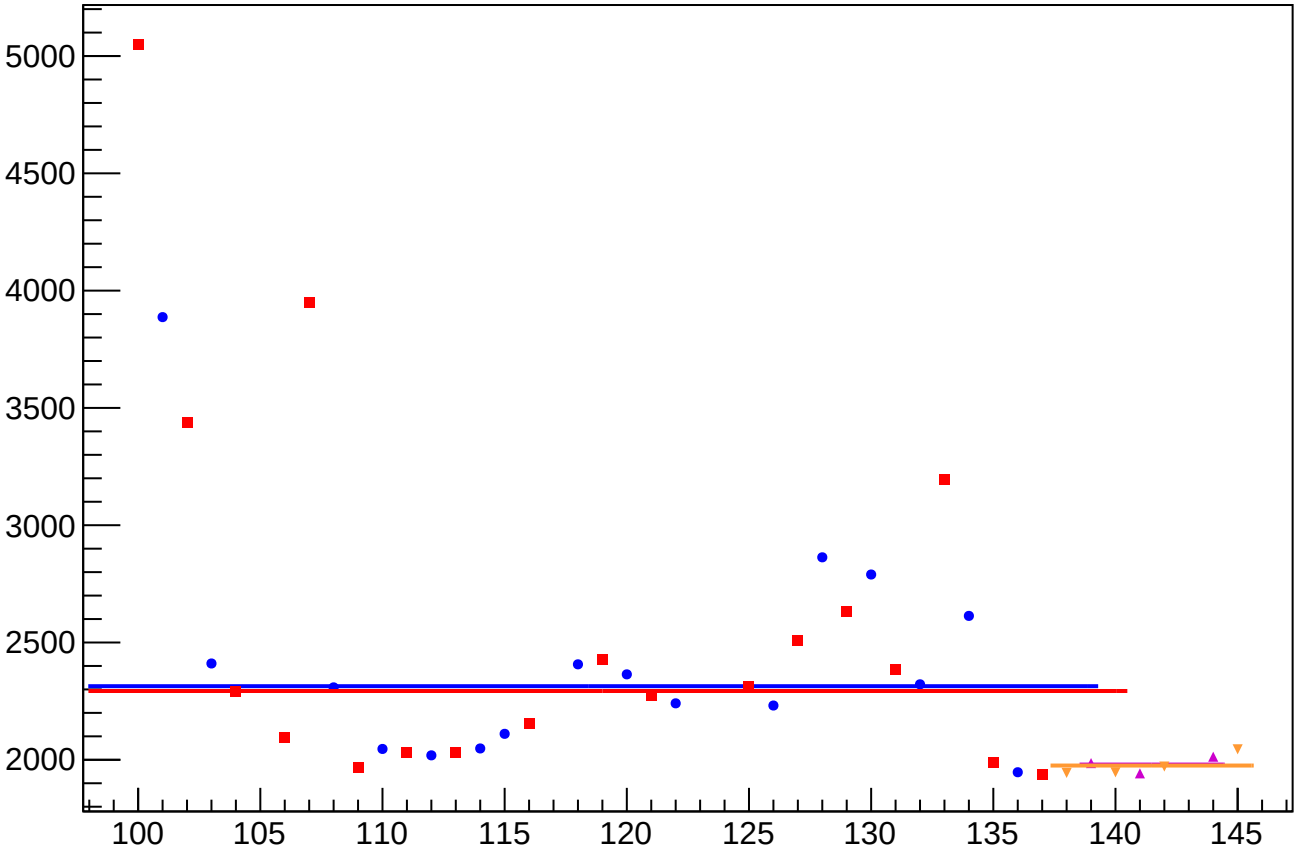
Left In: 1414.187+/-1220.540 χ^2/NDF:7.5/2

+ sign -369.005+/-699.032 χ^2/NDF: 13.7/19

All: 437.796+/-497.666 χ^2/NDF: 30.8/40

- sign 1267.020+/-708.679 χ^2/NDF: 14.4/20

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

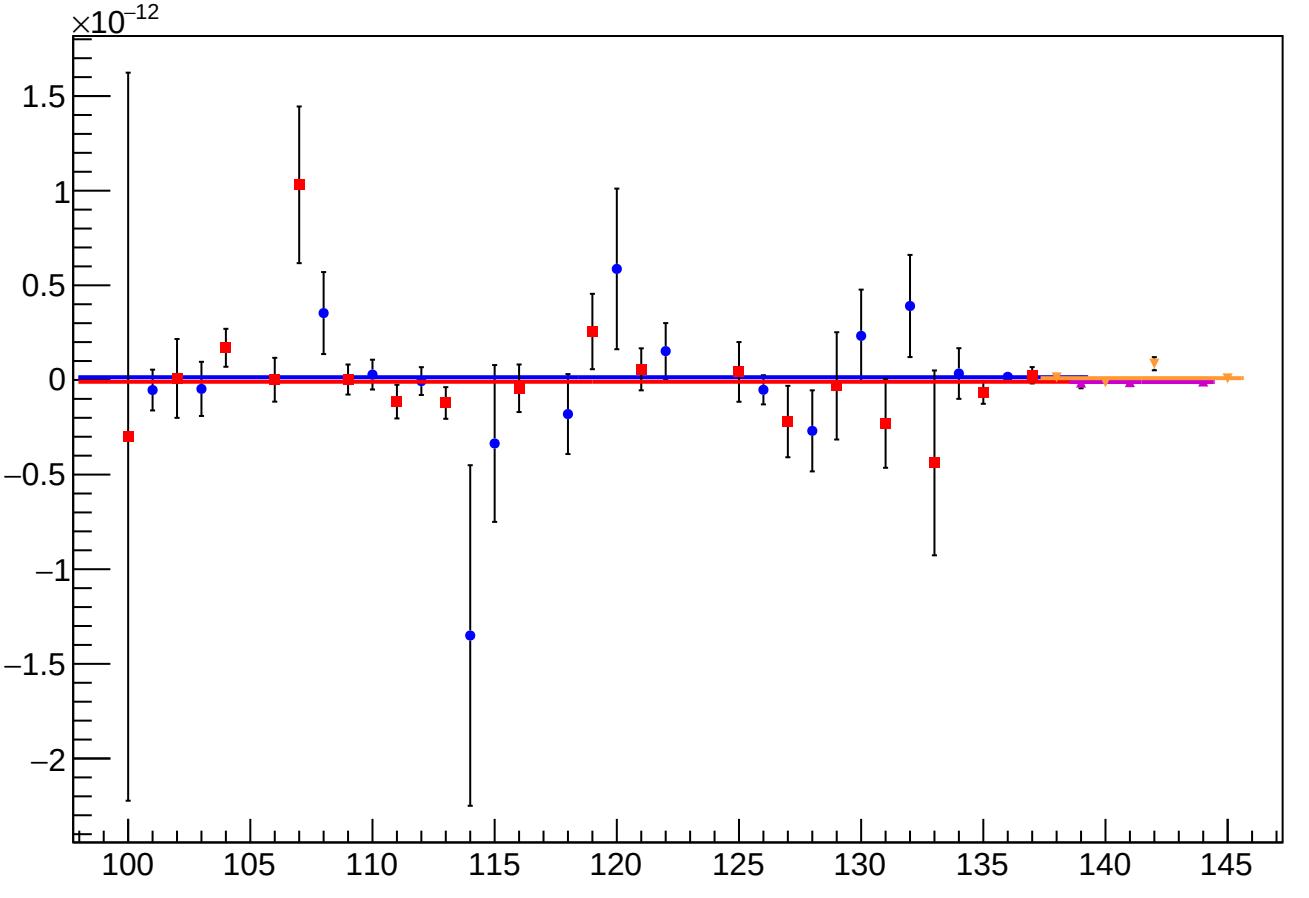
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1979.689+/-0.863 χ^2/NDF:1174.0/2

+ sign 2191.953+/-0.494 χ^2/NDF: 513294.5/19

All: 2189.785+/-0.352 χ^2/NDF: 1055221.5/40

- sign 2187.556+/-0.501 χ^2/NDF: 541888.0/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/3

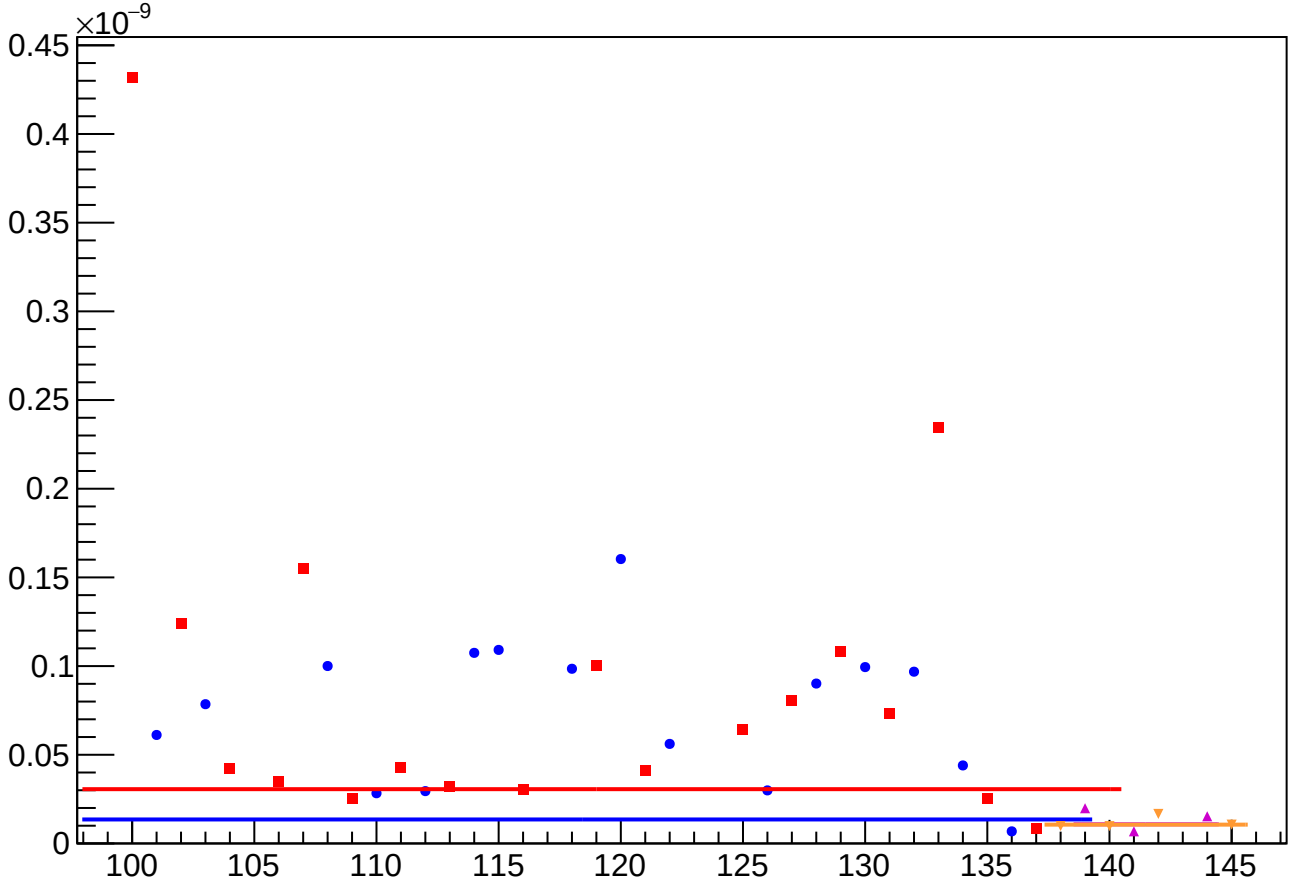
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.5/19

All: 0.000+/-0.000 χ^2/NDF: 43.8/40

- sign -0.000+/-0.000 χ^2/NDF: 19.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:68592.4/3

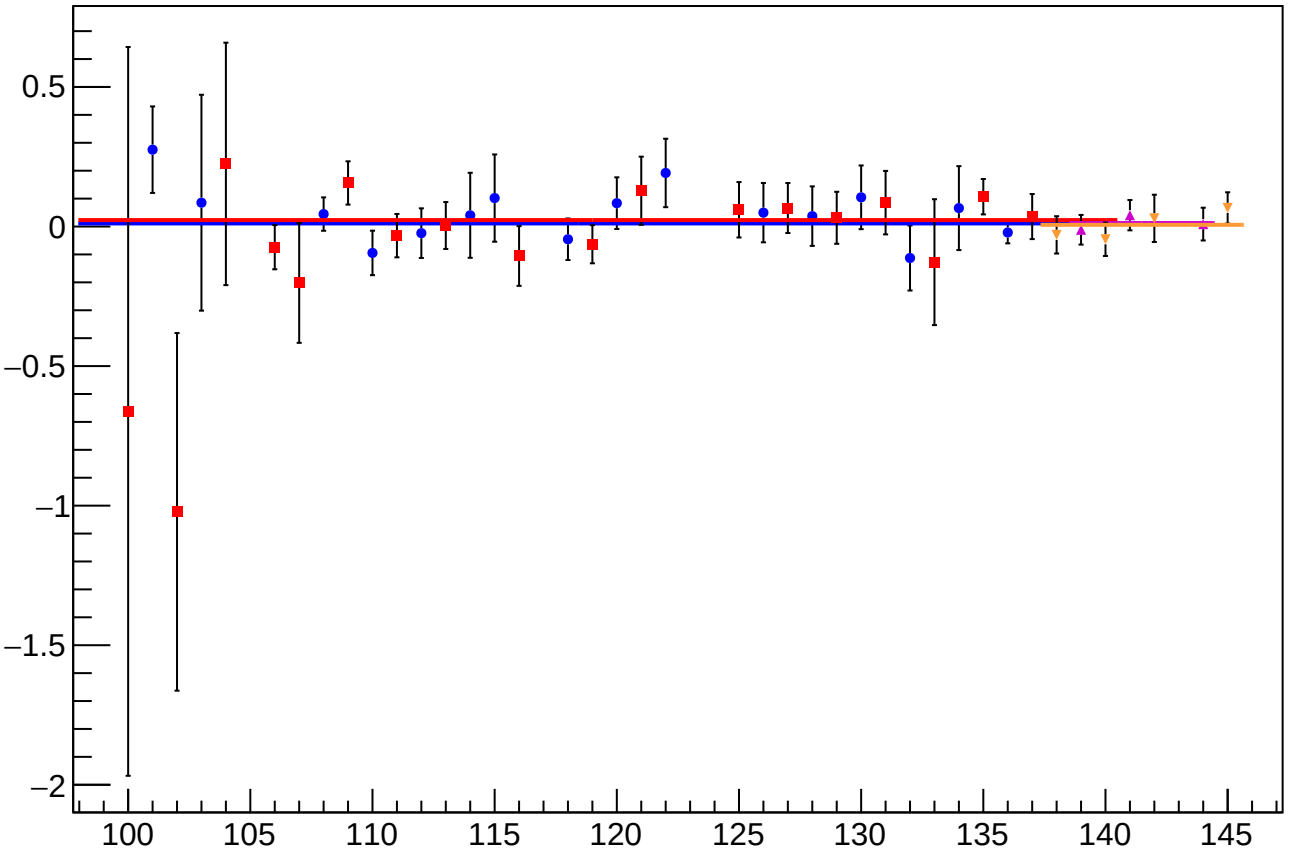
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:412735.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 3541554.9/19

All: 0.000+/-0.000 χ^2/NDF: 7499894.4/40

- sign 0.000+/-0.000 χ^2/NDF: 3872315.5/20



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

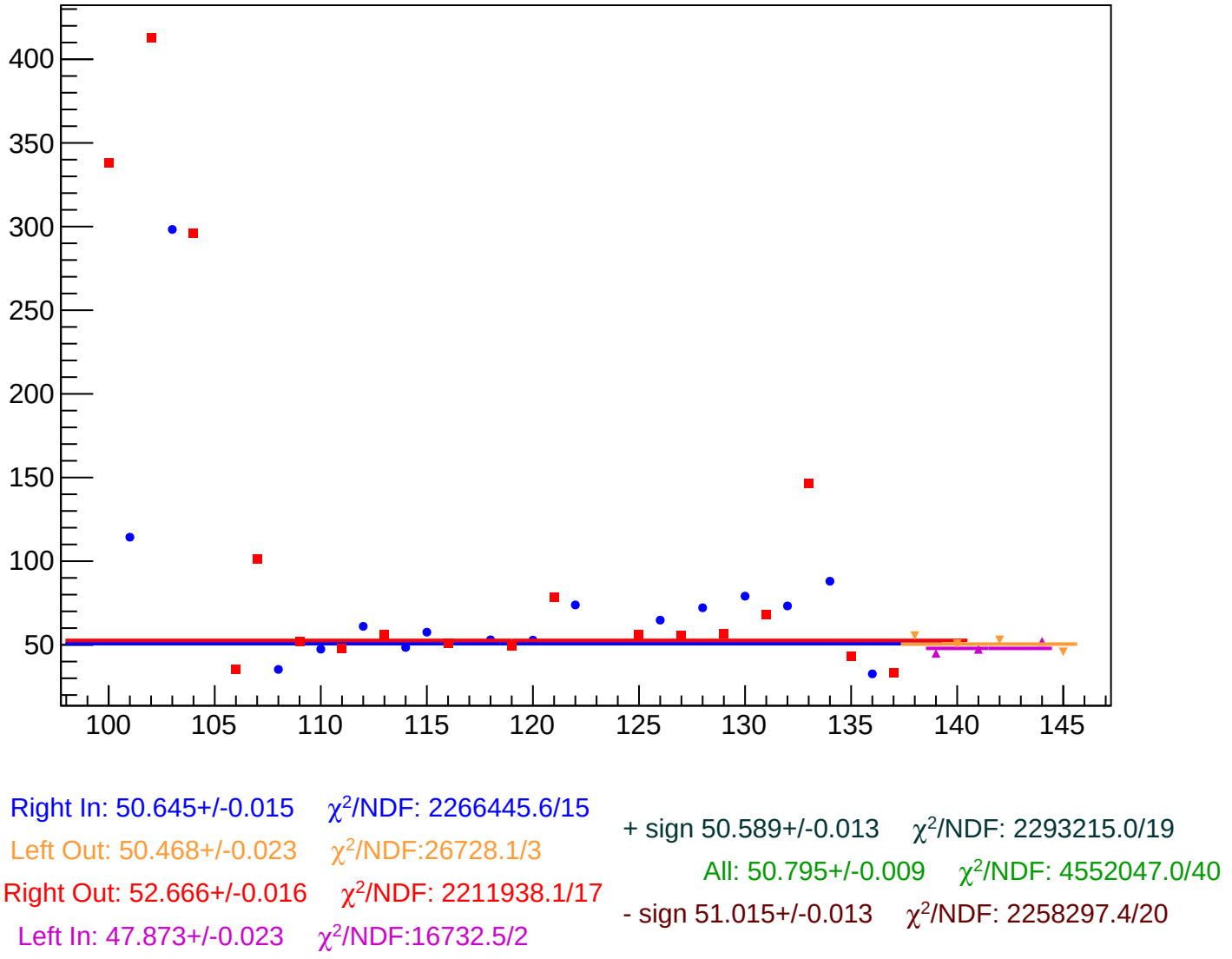
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

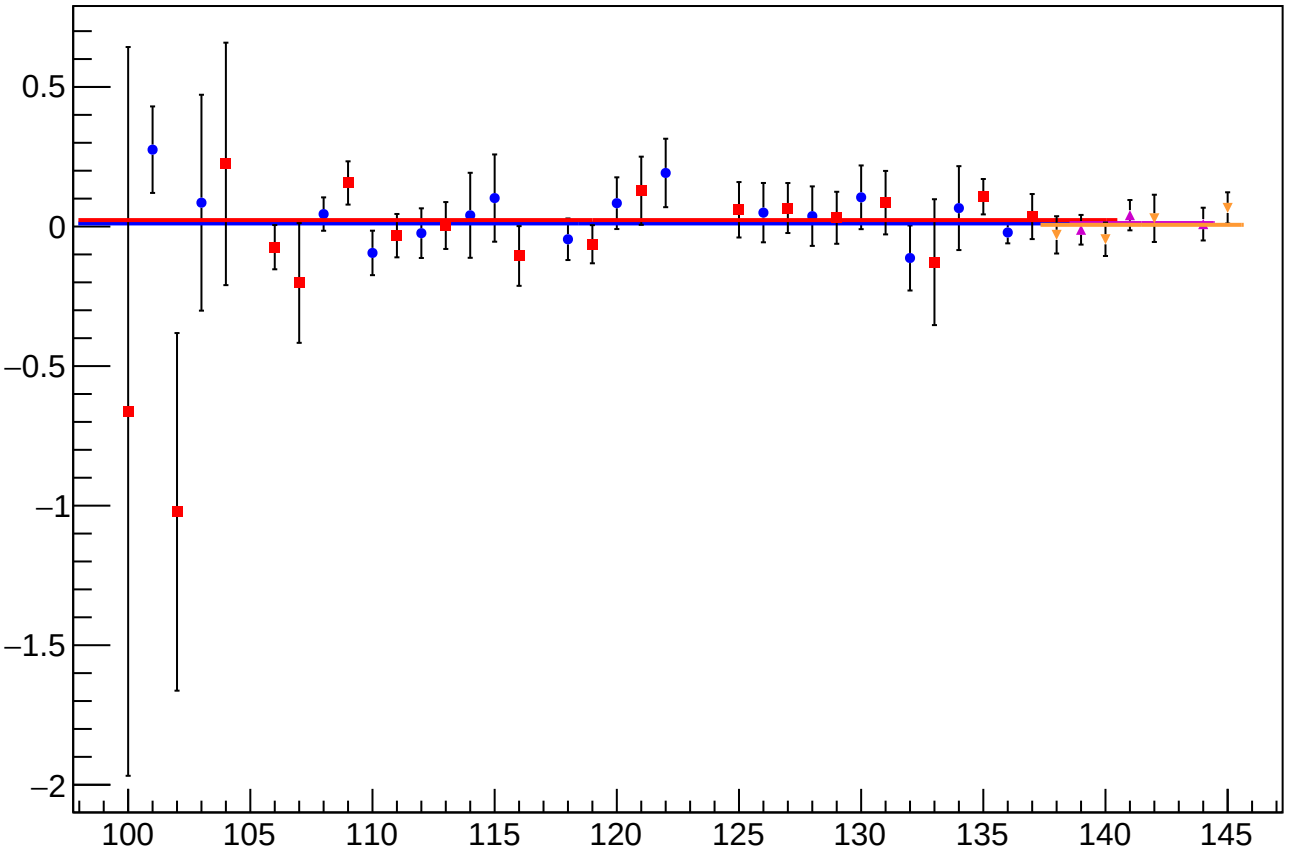
Left In: 0.012+/-0.032 χ^2/NDF:0.5/2

+ sign 0.009+/-0.018 χ^2/NDF: 14.0/19

All: 0.014+/-0.013 χ^2/NDF: 30.7/40

- sign 0.019+/-0.019 χ^2/NDF: 16.5/20


asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
105
110
115
120
125
130
135
140
145
Right In: 50.645+/-0.015 χ²/NDF: 2266445.6/15
Left Out: 50.468+/-0.023 χ²/NDF:26728.1/3
Right Out: 52.666+/-0.016 χ²/NDF: 2211938.1/17
Left In: 47.873+/-0.023 χ²/NDF:16732.5/2
+ sign 50.589+/-0.013 χ²/NDF: 2293215.0/19
All: 50.795+/-0.009 χ²/NDF: 4552047.0/40
- sign 51.015+/-0.013 χ²/NDF: 2258297.4/20



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

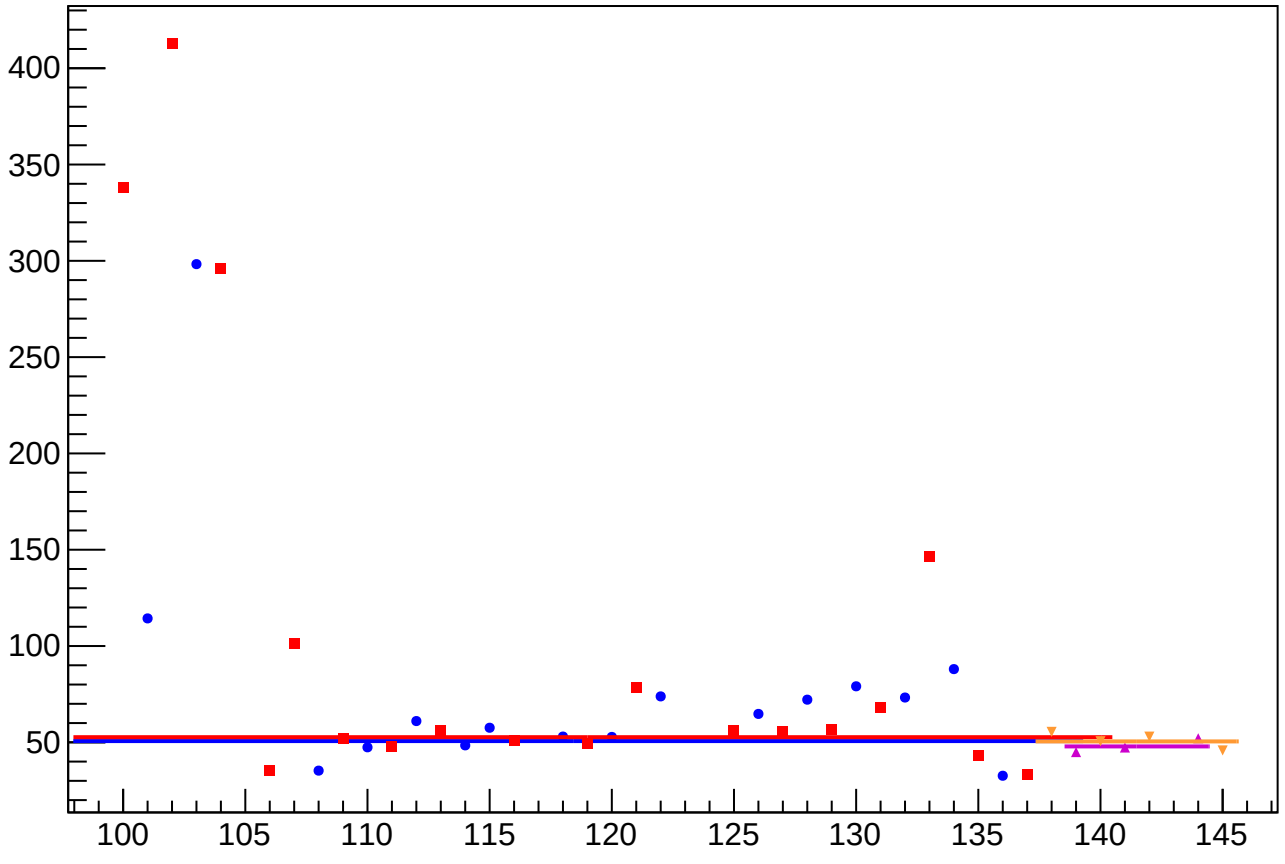
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.012+/-0.032 χ^2/NDF:0.5/2

+ sign 0.009+/-0.018 χ^2/NDF: 14.0/19

All: 0.014+/-0.013 χ^2/NDF: 30.7/40

- sign 0.019+/-0.019 χ^2/NDF: 16.5/20



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 50.468+/-0.023 χ^2/NDF:26728.1/3

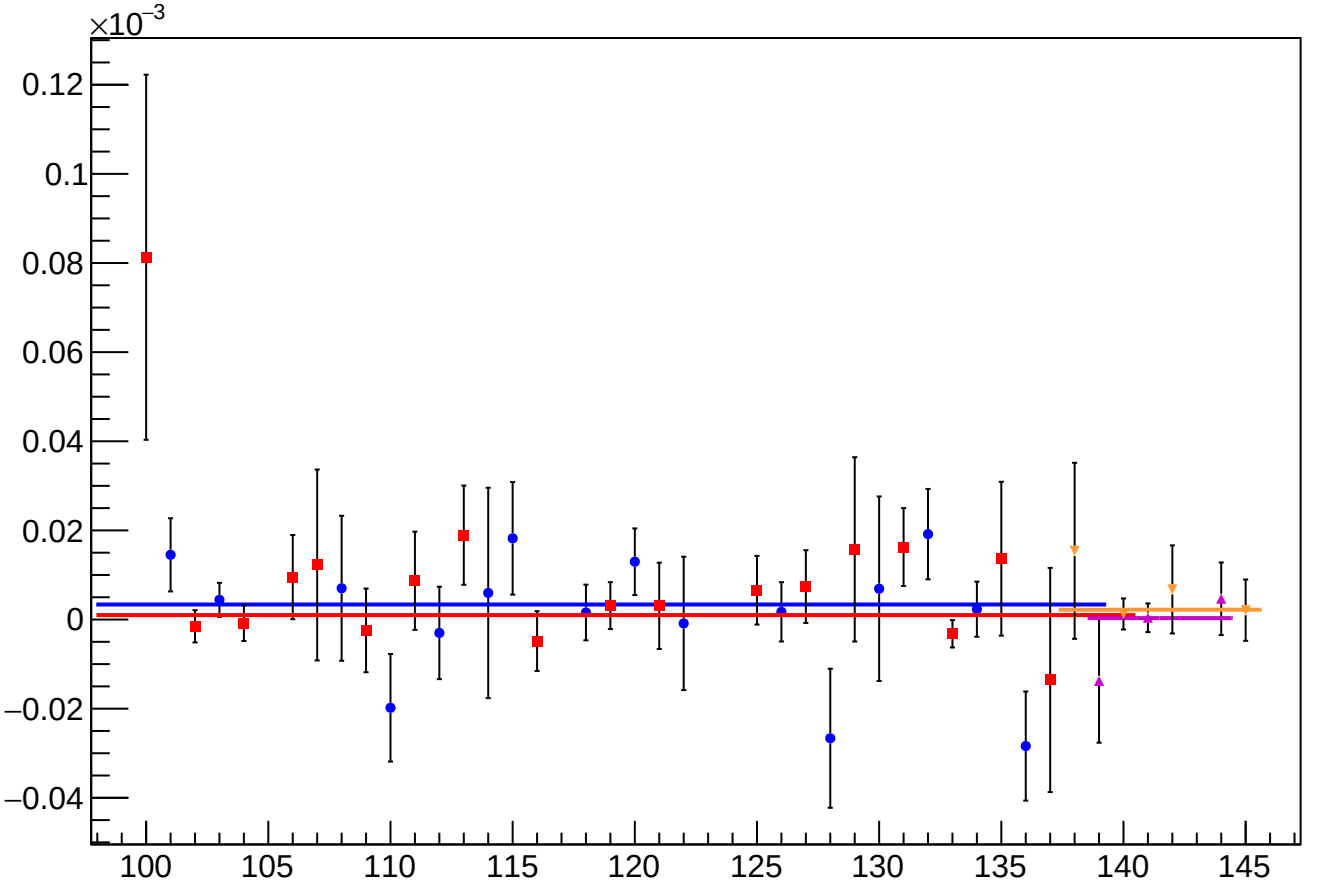
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.873+/-0.023 χ^2/NDF:16732.5/2

\+ sign 50.589+/-0.013 χ^2/NDF: 2293215.0/19

All: 50.795+/-0.009 χ^2/NDF: 4552047.0/40

\- sign 51.015+/-0.013 χ^2/NDF: 2258297.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/3

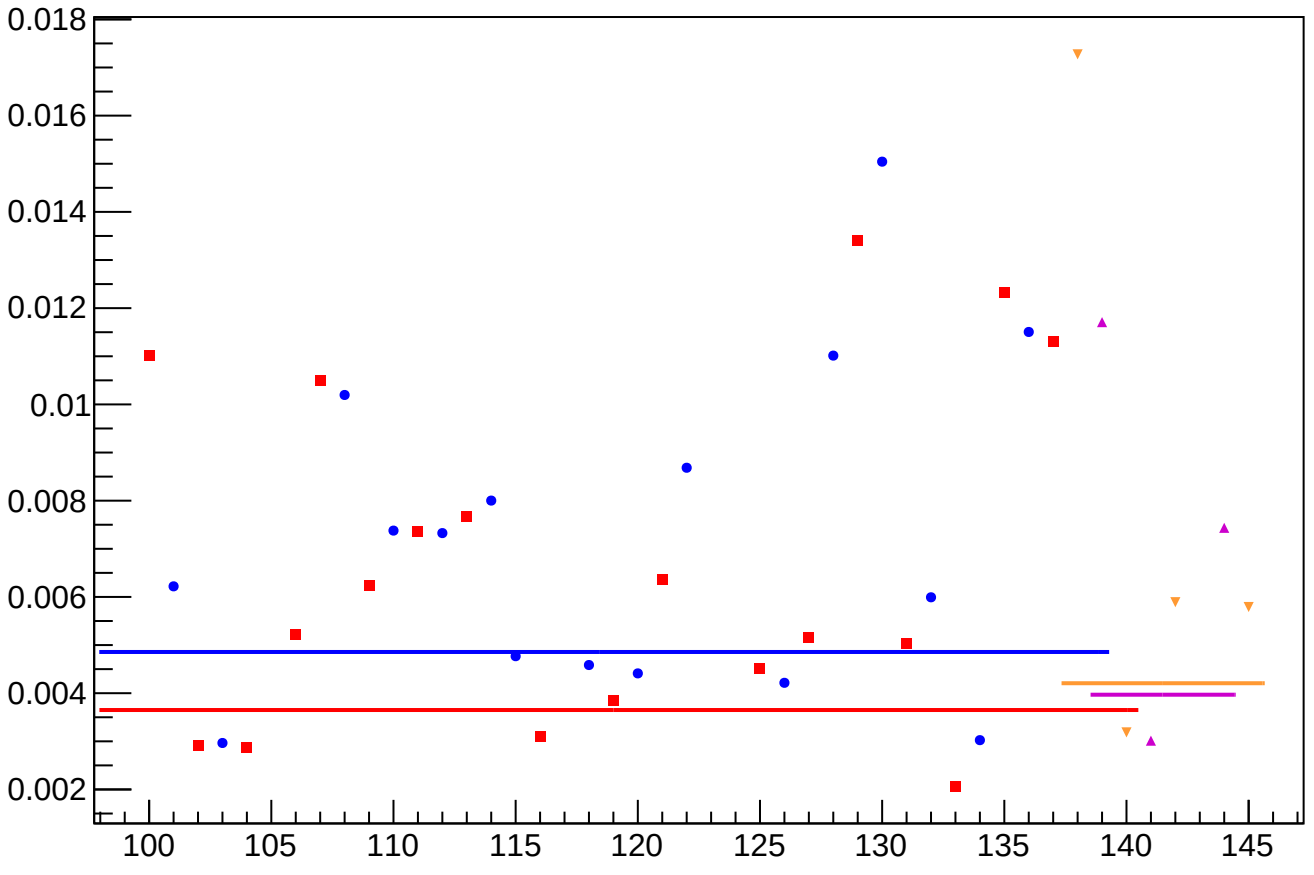
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/19

All: 0.000+/-0.000 χ^2/NDF: 42.6/40

- sign 0.000+/-0.000 χ^2/NDF: 18.6/20



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1211114.9/3

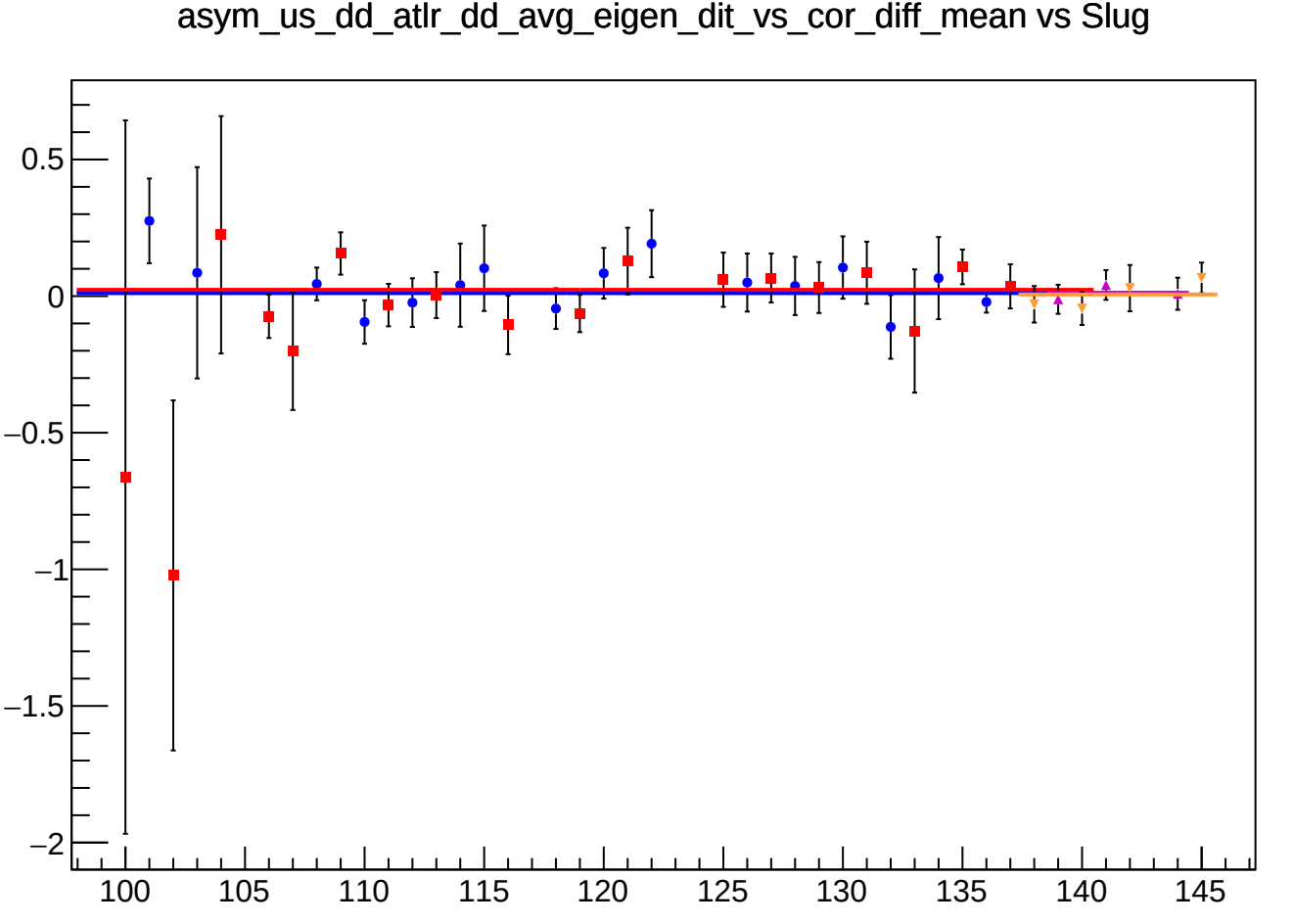
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1161314.6/2

+ sign 0.005+/-0.000 χ^2/NDF: 4021476.8/19

All: 0.004+/-0.000 χ^2/NDF: 8661939.4/40

- sign 0.004+/-0.000 χ^2/NDF: 4288562.2/20



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

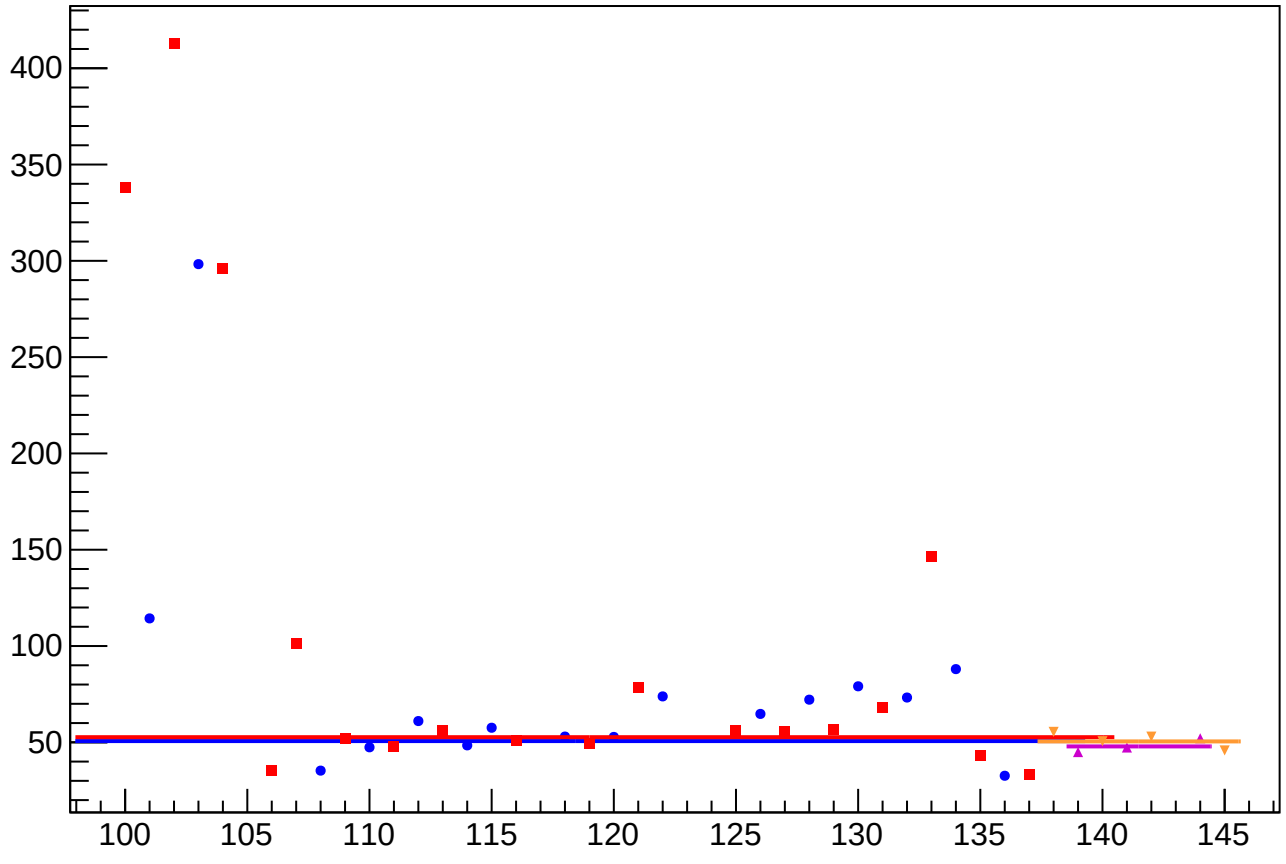
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.012+/-0.032 χ^2/NDF:0.5/2

+ sign 0.009+/-0.018 χ^2/NDF: 14.0/19

All: 0.014+/-0.013 χ^2/NDF: 30.7/40

- sign 0.019+/-0.019 χ^2/NDF: 16.5/20



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 50.470+/-0.023 χ^2/NDF:26724.2/3

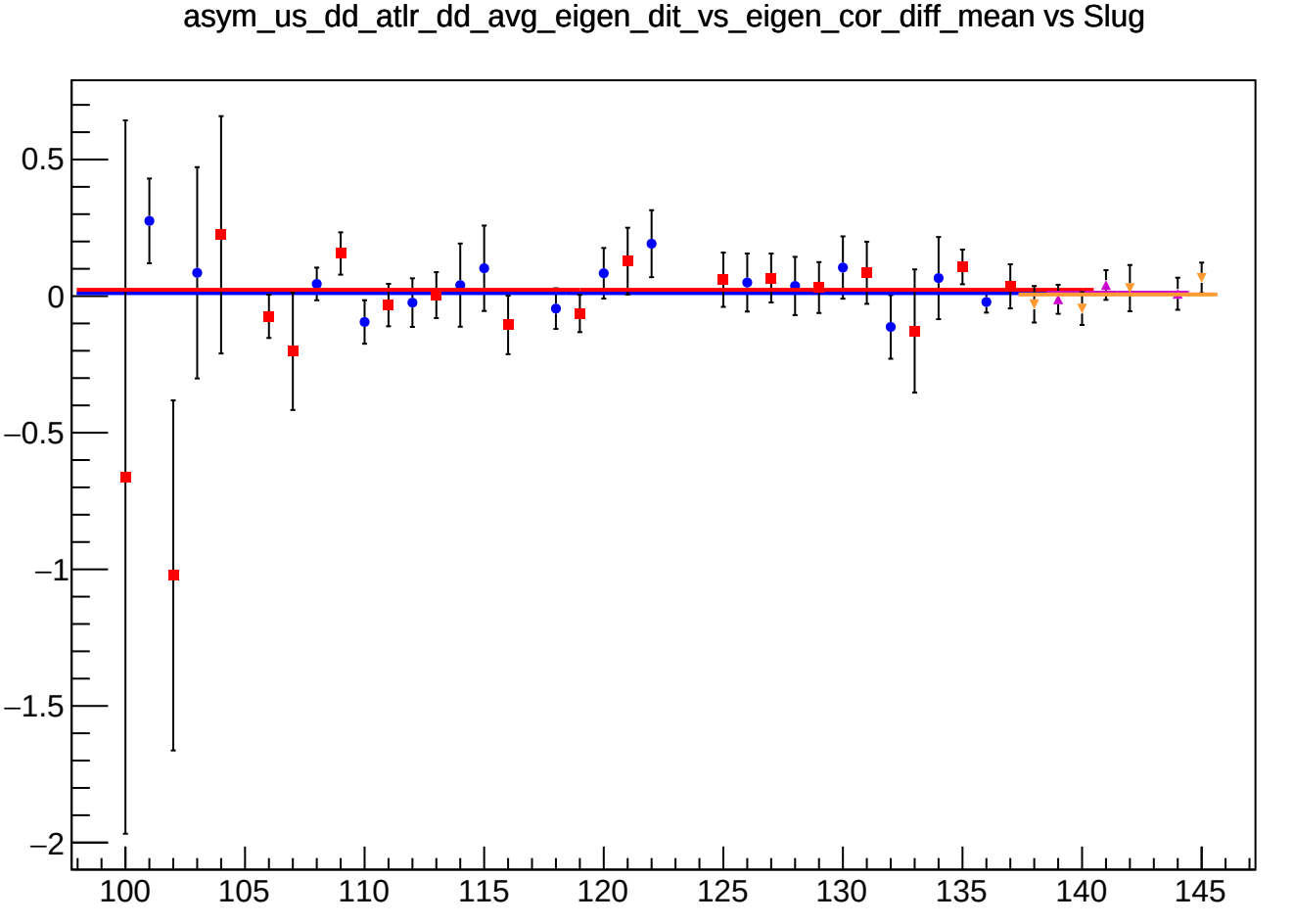
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.875+/-0.023 χ^2/NDF:16728.2/2

+ sign 50.590+/-0.013 χ^2/NDF: 2293113.1/19

All: 50.796+/-0.009 χ^2/NDF: 4551813.0/40

- sign 51.016+/-0.013 χ^2/NDF: 2258164.8/20



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

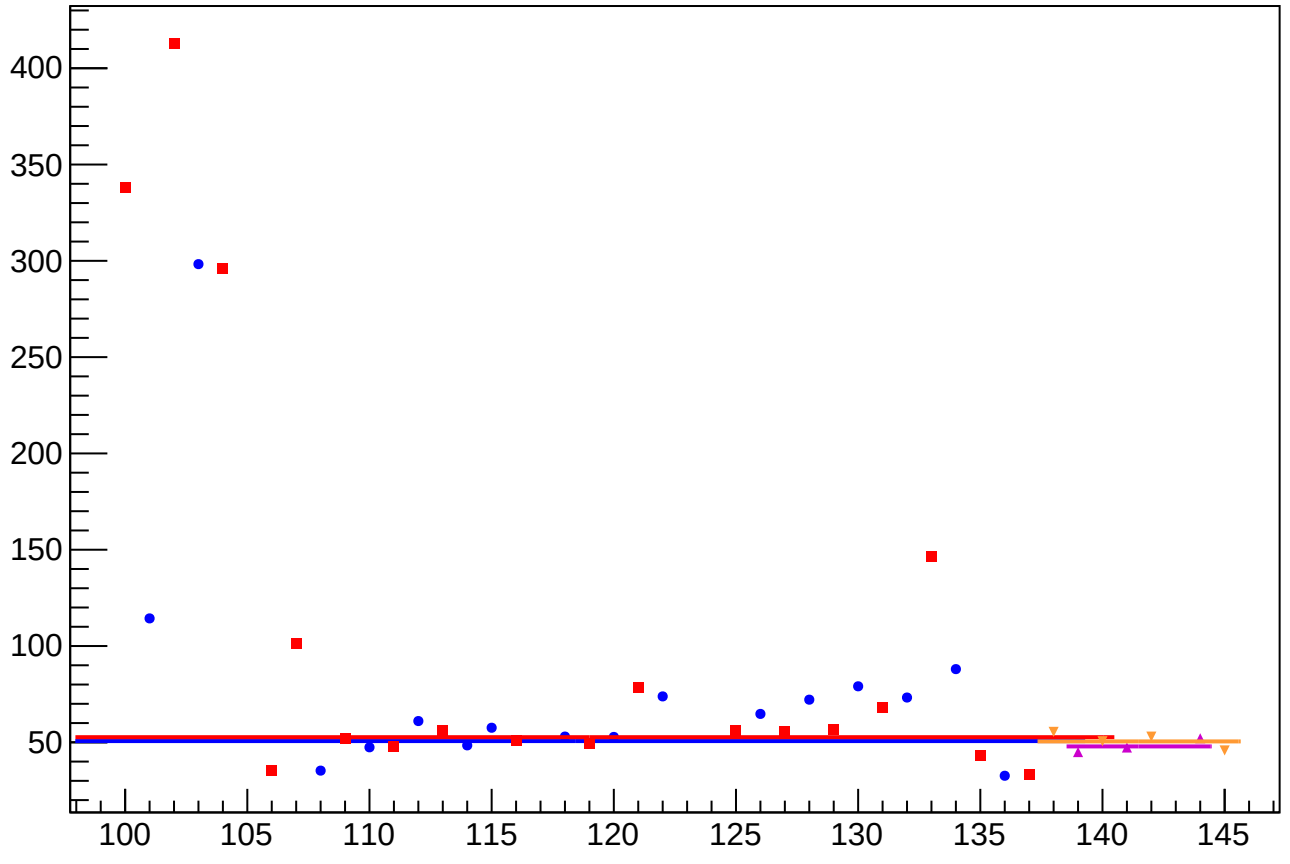
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.012+/-0.032 χ^2/NDF:0.5/2

\+ sign 0.009+/-0.018 χ^2/NDF: 14.0/19

All: 0.014+/-0.013 χ^2/NDF: 30.7/40

\- sign 0.019+/-0.019 χ^2/NDF: 16.5/20



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 50.470+/-0.023 χ^2/NDF:26724.2/3

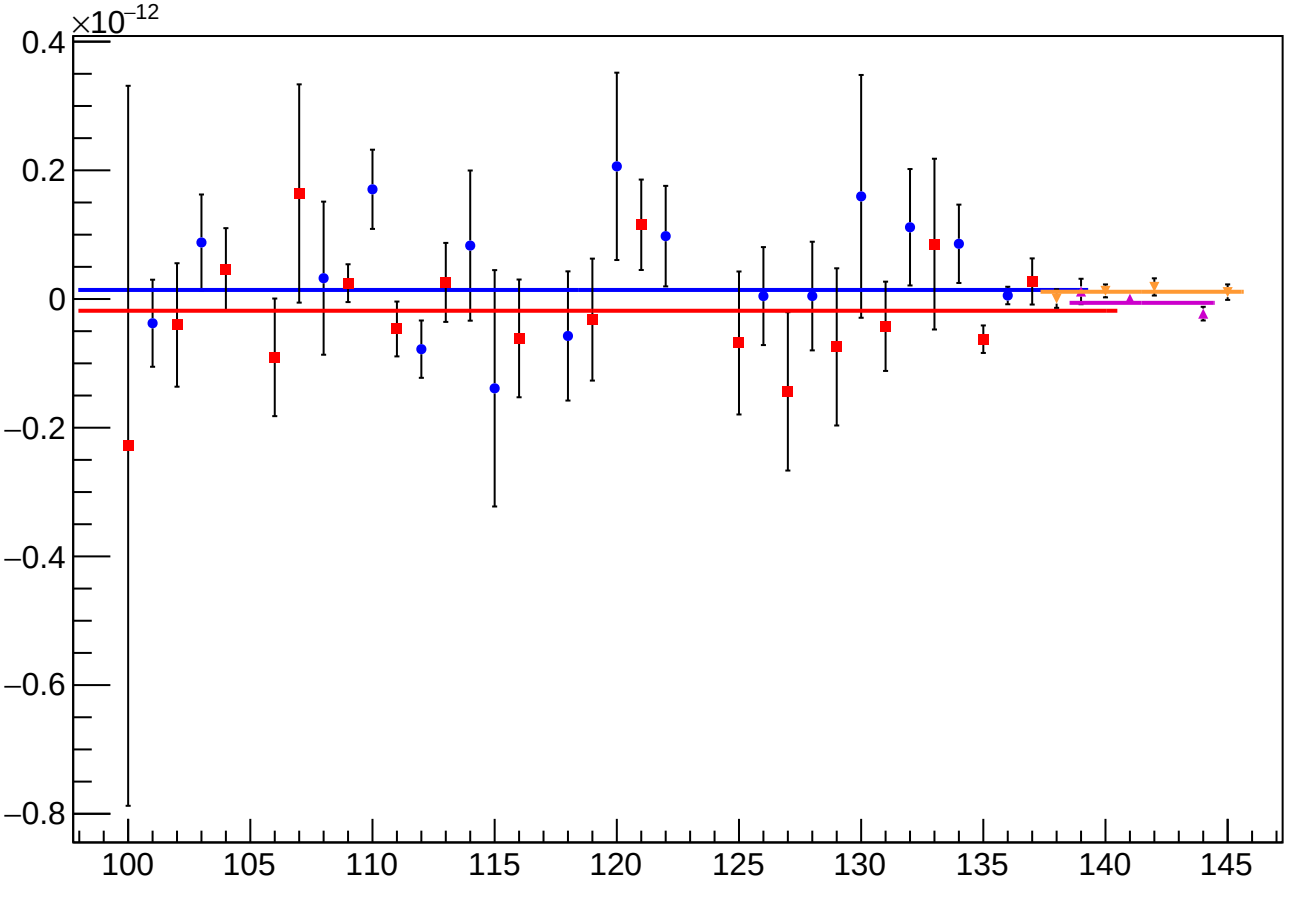
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.875+/-0.023 χ^2/NDF:16728.2/2

+ sign 50.590+/-0.013 χ^2/NDF: 2293113.1/19

All: 50.796+/-0.009 χ^2/NDF: 4551813.0/40

- sign 51.016+/-0.013 χ^2/NDF: 2258164.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

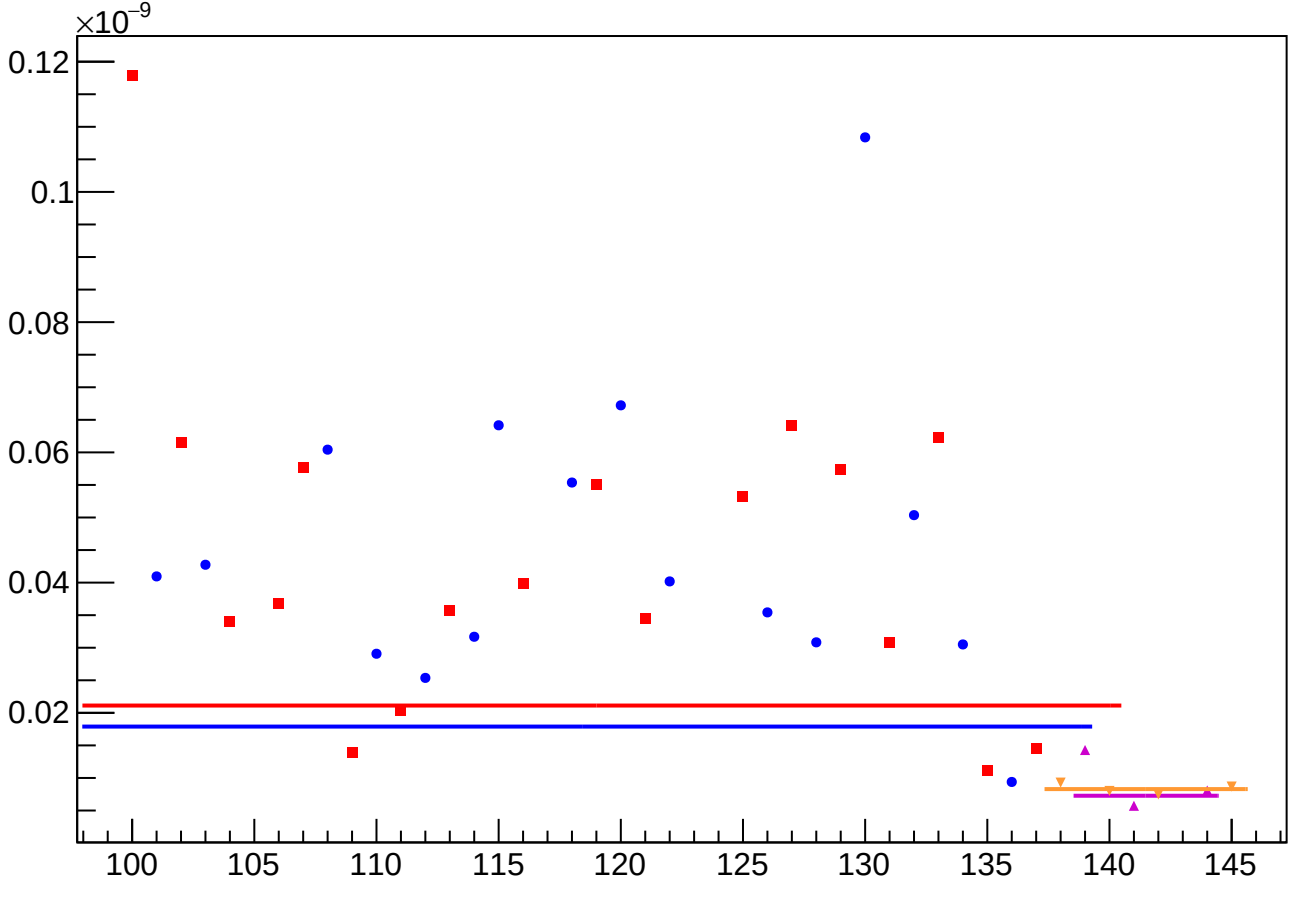
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/19

All: 0.000+/-0.000 χ^2/NDF: 51.0/40

- sign -0.000+/-0.000 χ^2/NDF: 22.7/20



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

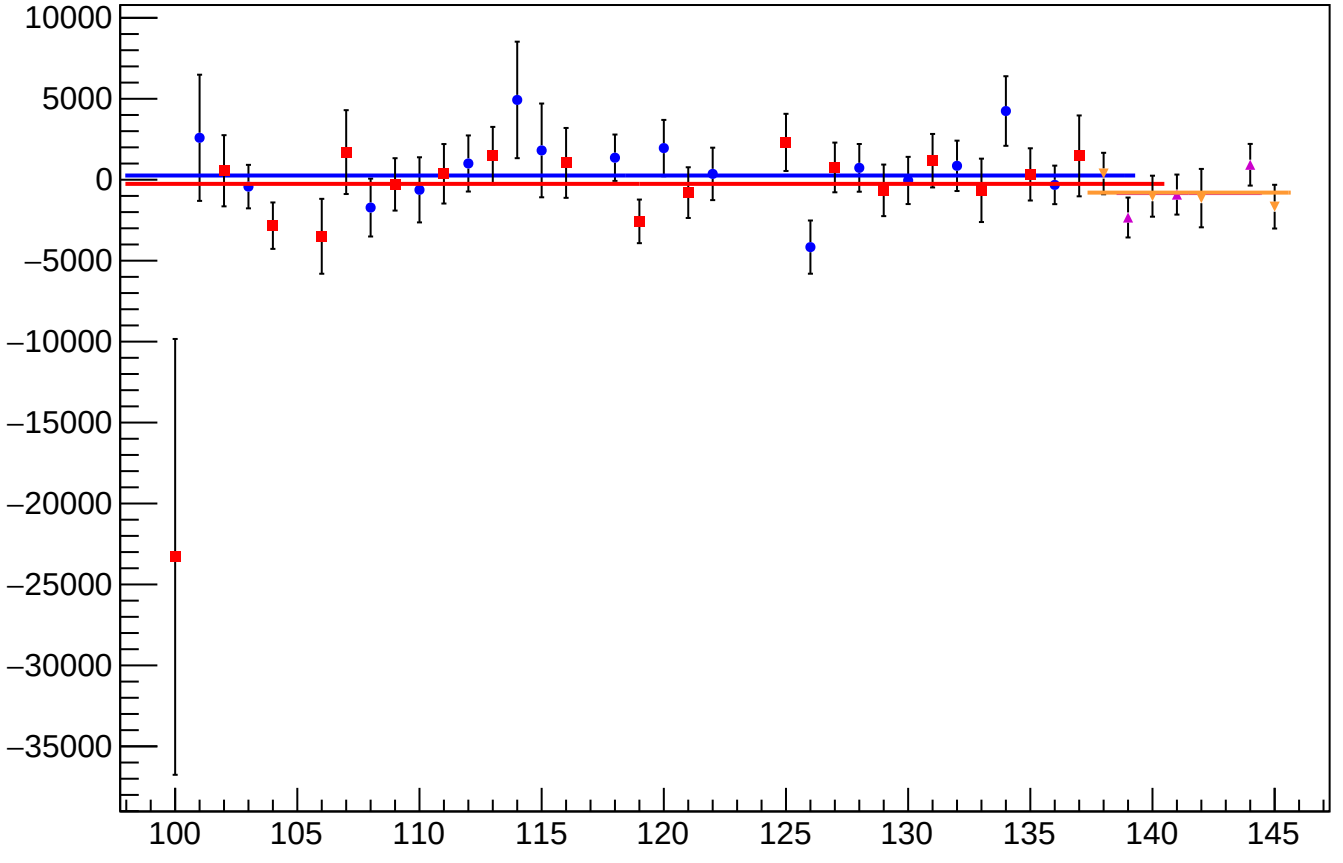
Left In: 0.000+/-0.000 χ^2/NDF:341038.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 4536664.8/19

All: 0.000+/-0.000 χ^2/NDF: 9496154.5/40

- sign 0.000+/-0.000 χ^2/NDF: 4948211.5/20

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

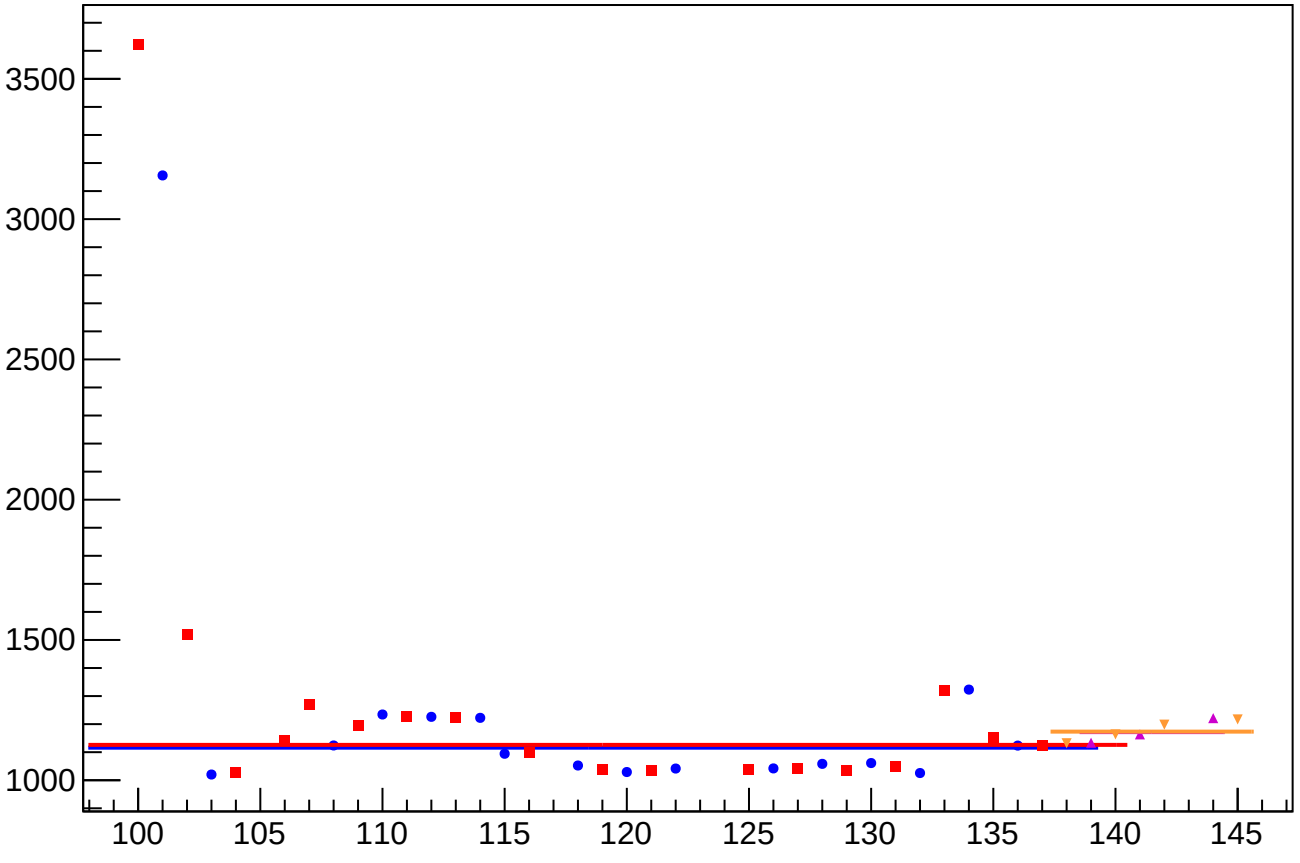
Left In: -823.265+/-722.567 χ^2/NDF:3.4/2

\+ sign -28.153+/-361.958 χ^2/NDF: 20.0/19

All: -212.653+/-257.649 χ^2/NDF: 41.7/40

\- sign -402.157+/-366.833 χ^2/NDF: 21.2/20

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

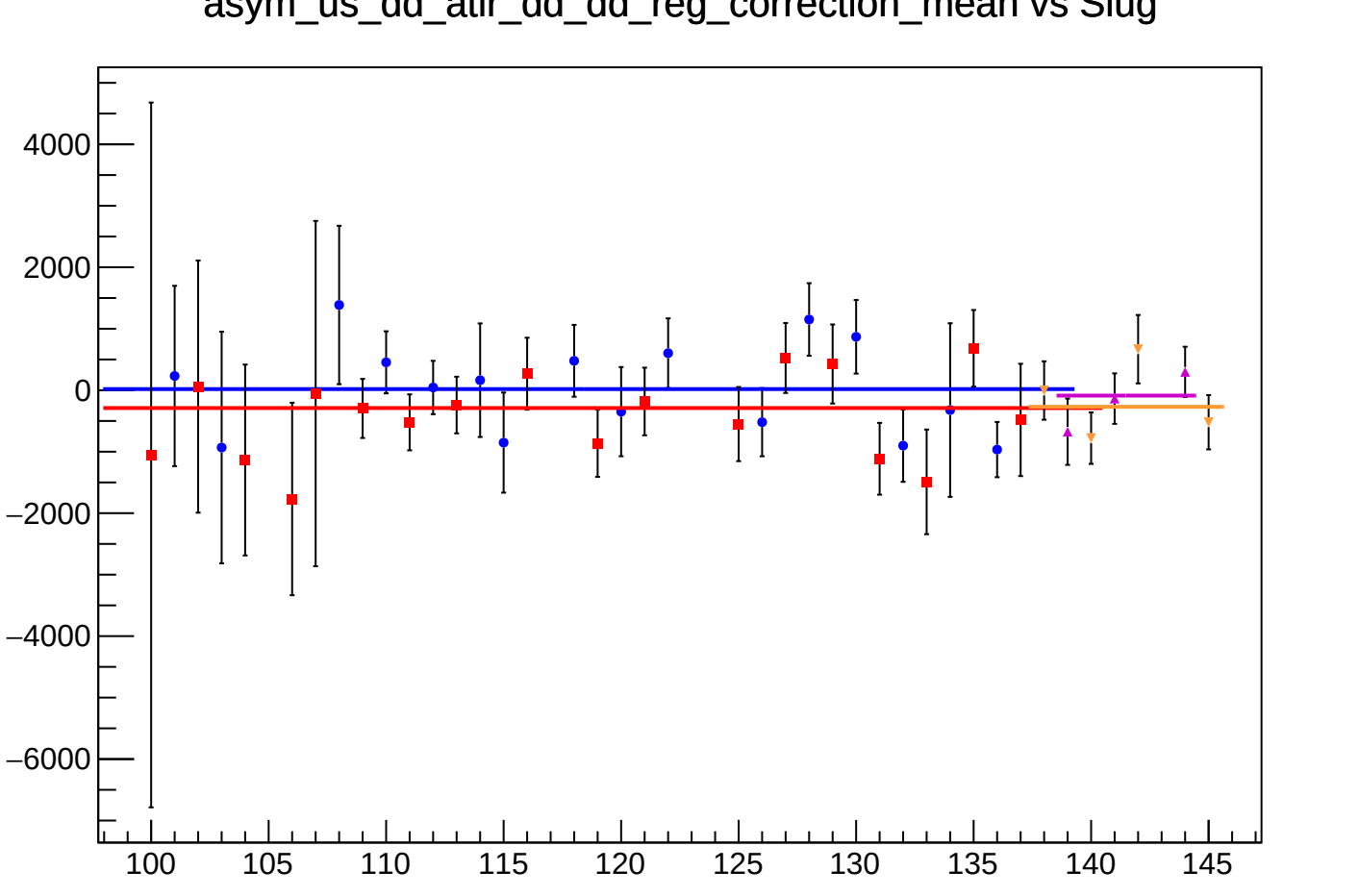
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1171.518+/-0.511 χ^2/NDF:4958.5/2

+ sign 1131.732+/-0.256 χ^2/NDF: 637979.7/19

All: 1134.697+/-0.182 χ^2/NDF: 871203.4/40

- sign 1137.743+/-0.259 χ^2/NDF: 232951.5/20



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

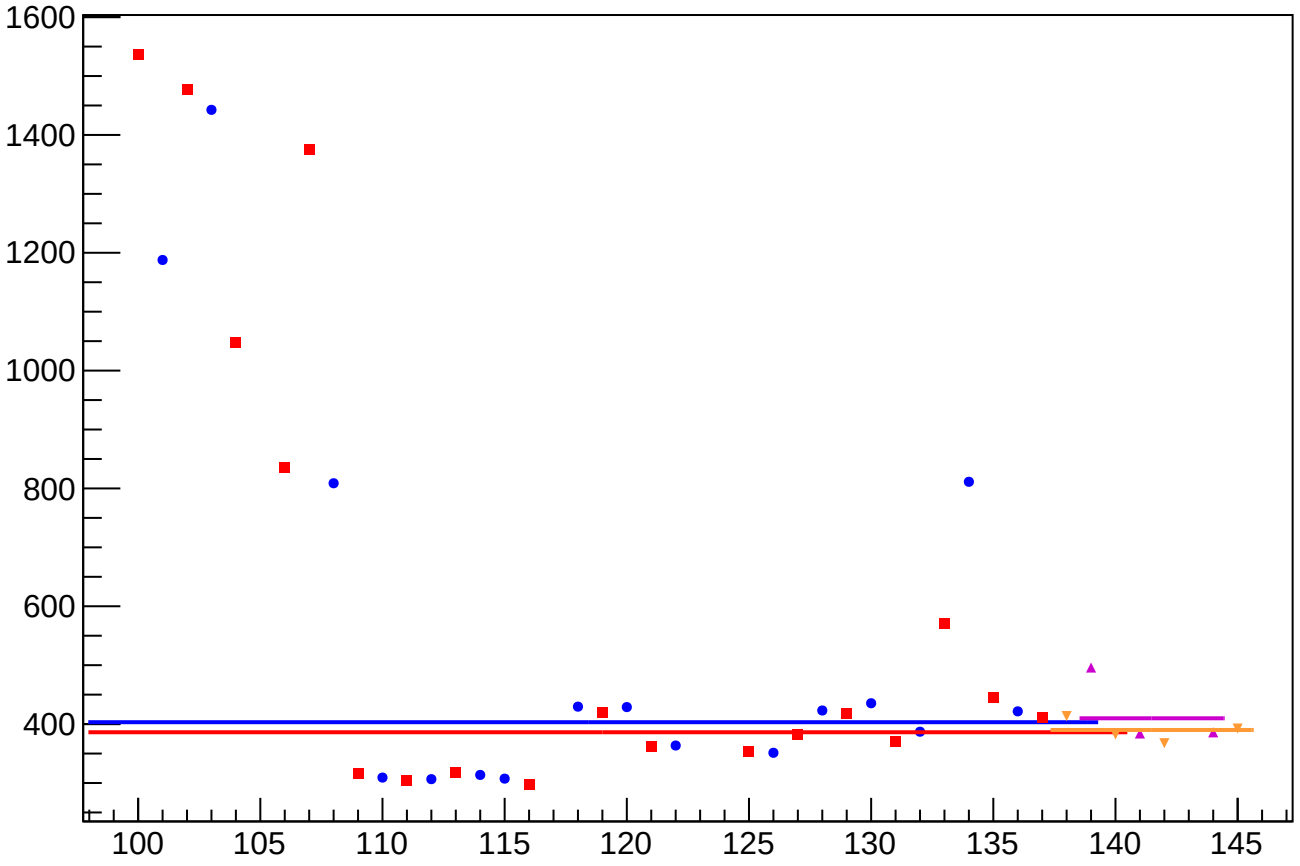
Left In: -87.614+/-255.171 χ^2/NDF:2.1/2

\+ sign -75.048+/-132.498 χ^2/NDF: 25.2/19

All: -154.494+/-93.943 χ^2/NDF: 41.9/40

\- sign -234.801+/-133.215 χ^2/NDF: 16.0/20

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 390.015+/-0.164 χ^2/NDF:8914.0/3

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

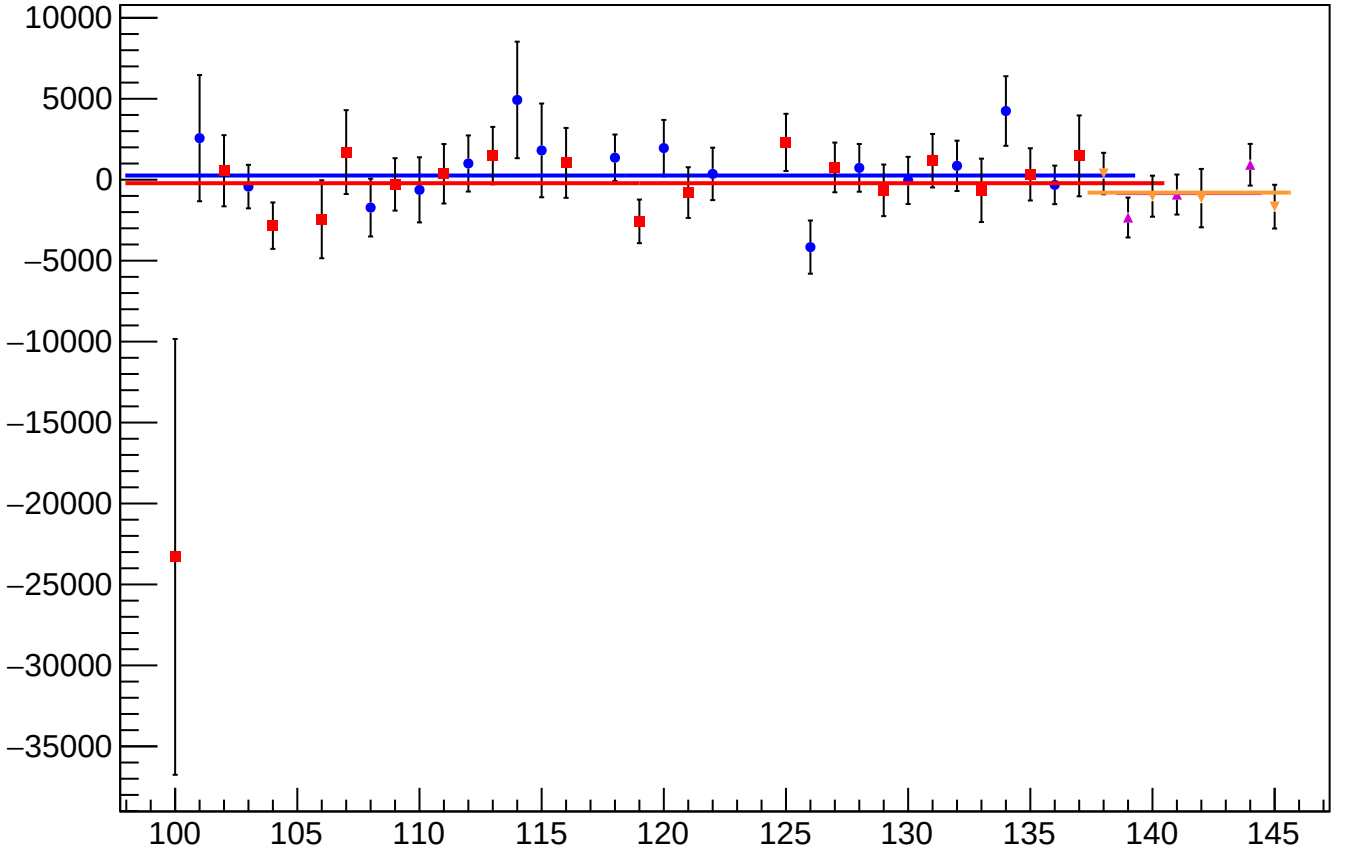
Left In: 409.845+/-0.180 χ^2/NDF:65711.8/2

+ sign 398.915+/-0.094 χ^2/NDF: 1821684.9/19

All: 395.777+/-0.066 χ^2/NDF: 3661316.1/40

- sign 392.605+/-0.094 χ^2/NDF: 1837375.7/20

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

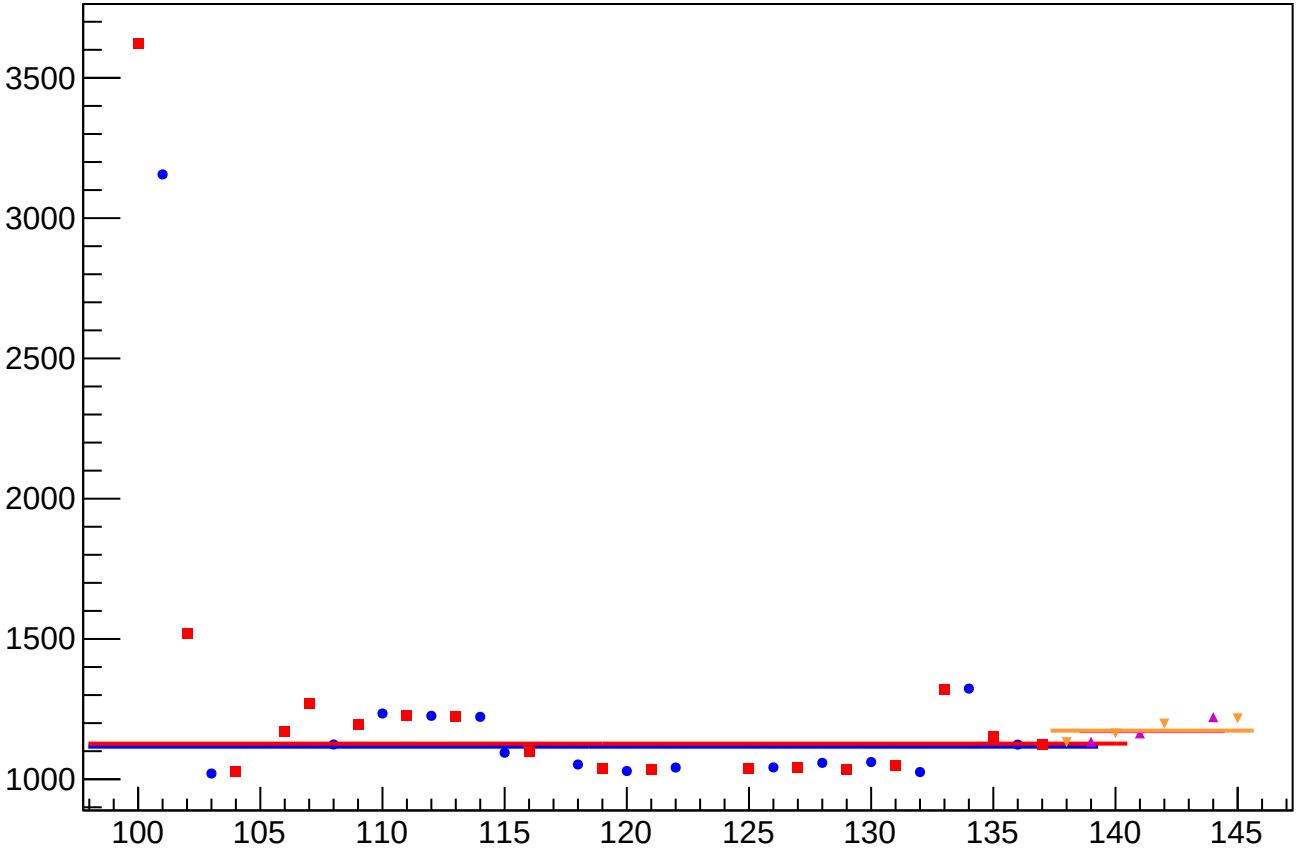
Left In: -823.289+/-722.567 χ^2/NDF:3.4/2

\+ sign -28.427+/-361.958 χ^2/NDF: 19.9/19

All: -197.608+/-257.772 χ^2/NDF: 40.5/40

\- sign -371.714+/-367.189 χ^2/NDF: 20.1/20

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

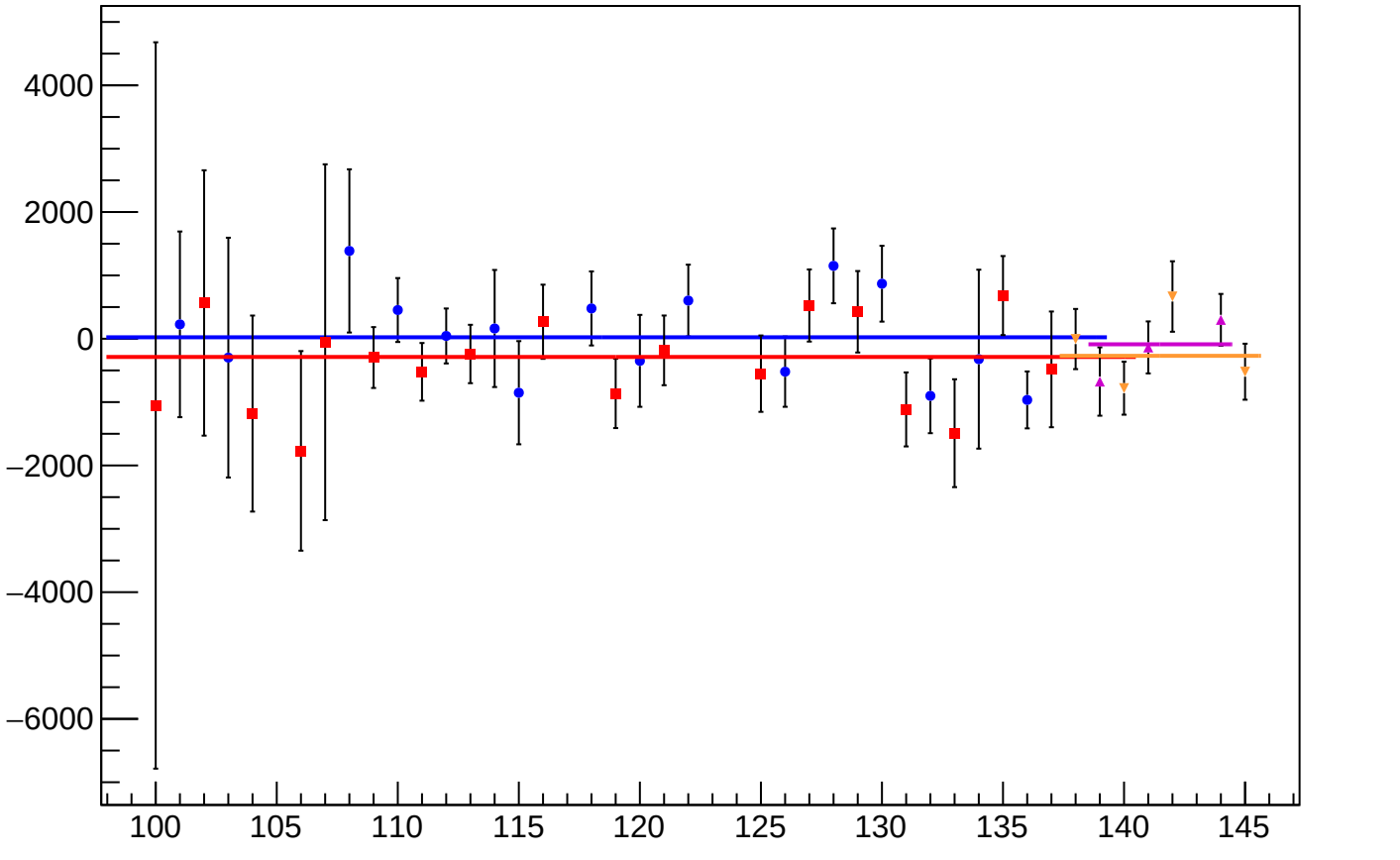
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1171.518+/-0.511 χ^2/NDF:4958.5/2

+ sign 1131.732+/-0.256 χ^2/NDF: 637980.8/19

All: 1135.051+/-0.182 χ^2/NDF: 871662.1/40

- sign 1138.467+/-0.260 χ^2/NDF: 233340.0/20



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

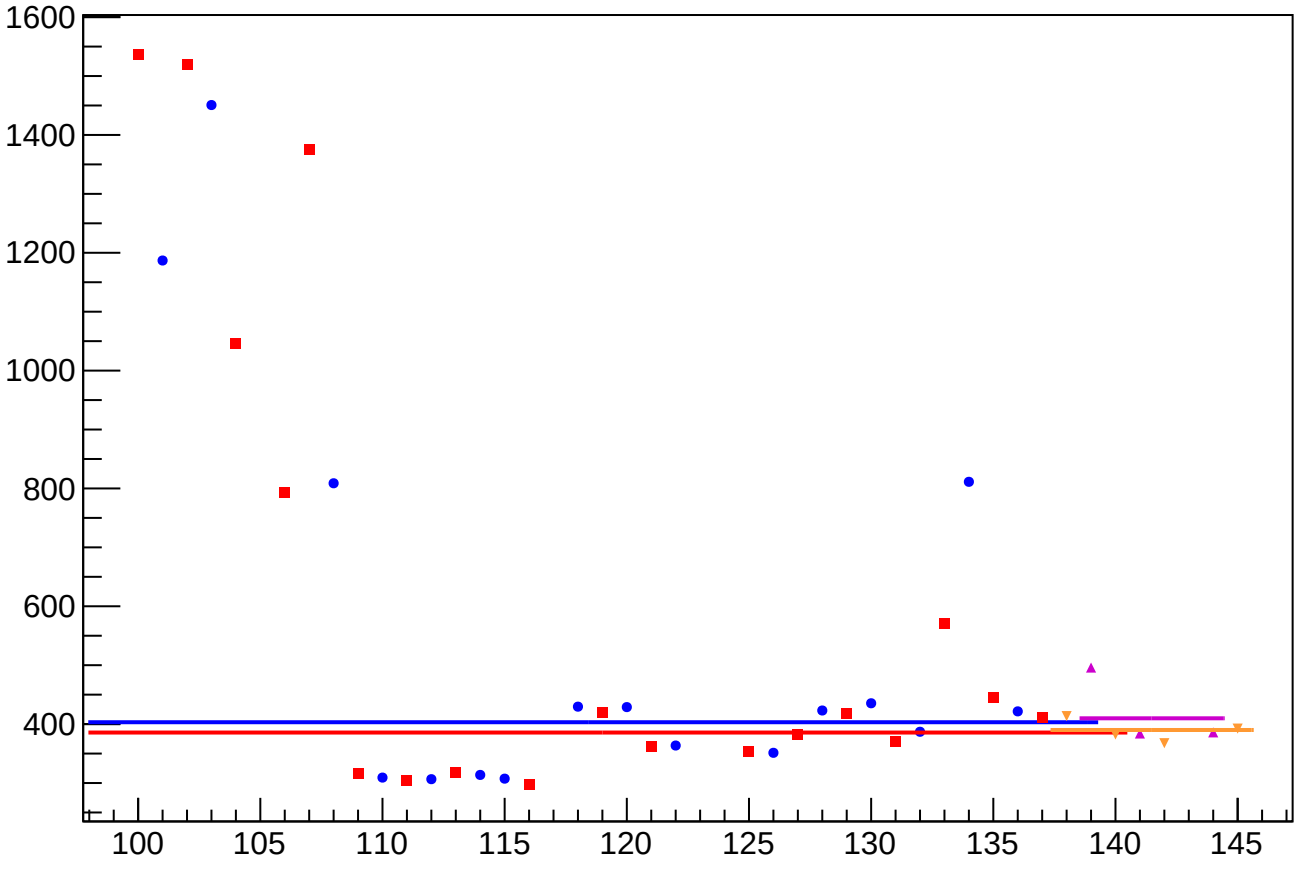
Left In: -87.706+/-255.170 χ^2/NDF:2.1/2

+ sign -72.101+/-132.498 χ^2/NDF: 25.0/19

All: -152.166+/-93.948 χ^2/NDF: 41.9/40

- sign -233.118+/-133.229 χ^2/NDF: 16.2/20

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 390.012+/-0.164 χ^2/NDF:8904.3/3

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

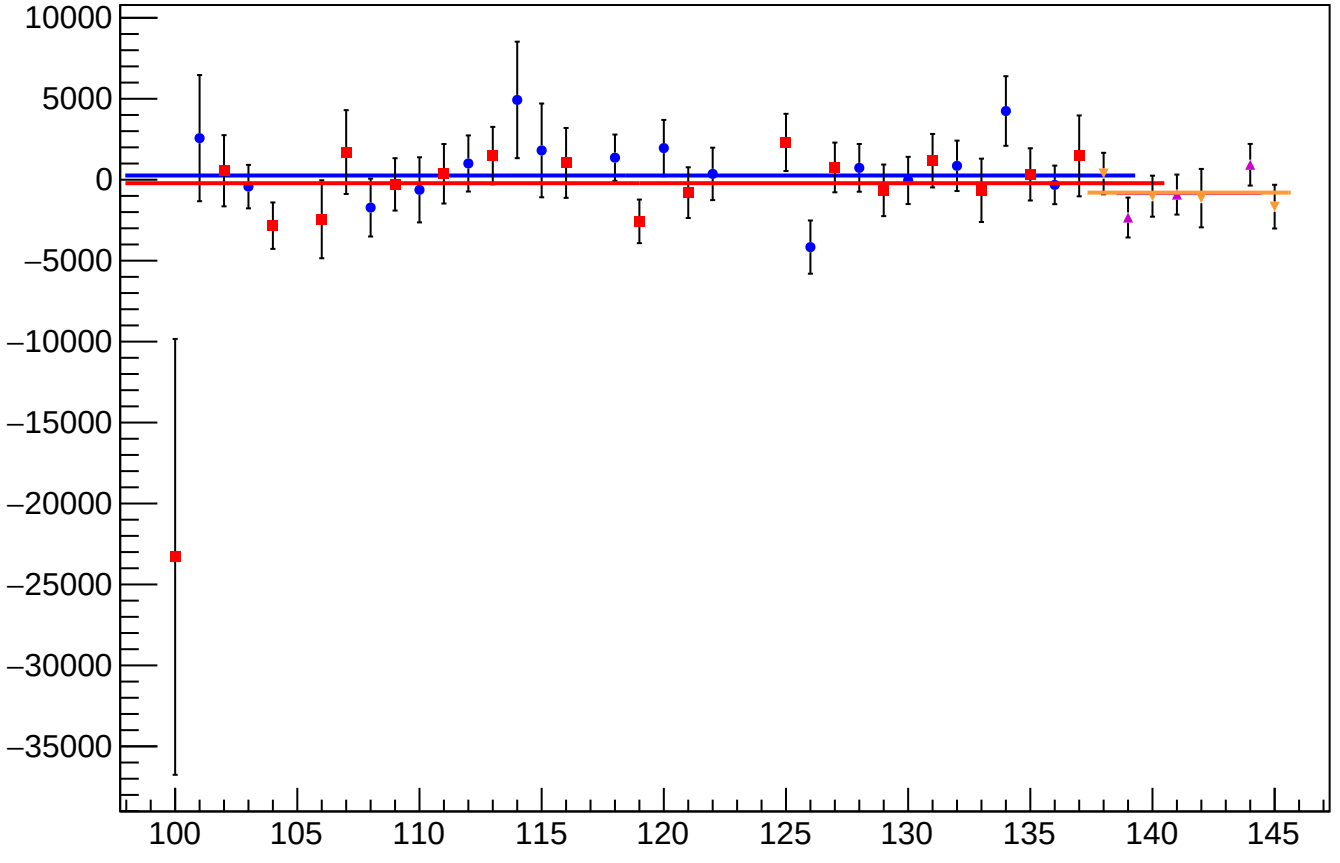
Left In: 409.844+/-0.180 χ^2/NDF:65696.3/2

+ sign 398.906+/-0.094 χ^2/NDF: 1825348.0/19

All: 395.605+/-0.066 χ^2/NDF: 3653736.4/40

- sign 392.268+/-0.094 χ^2/NDF: 1825892.8/20

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

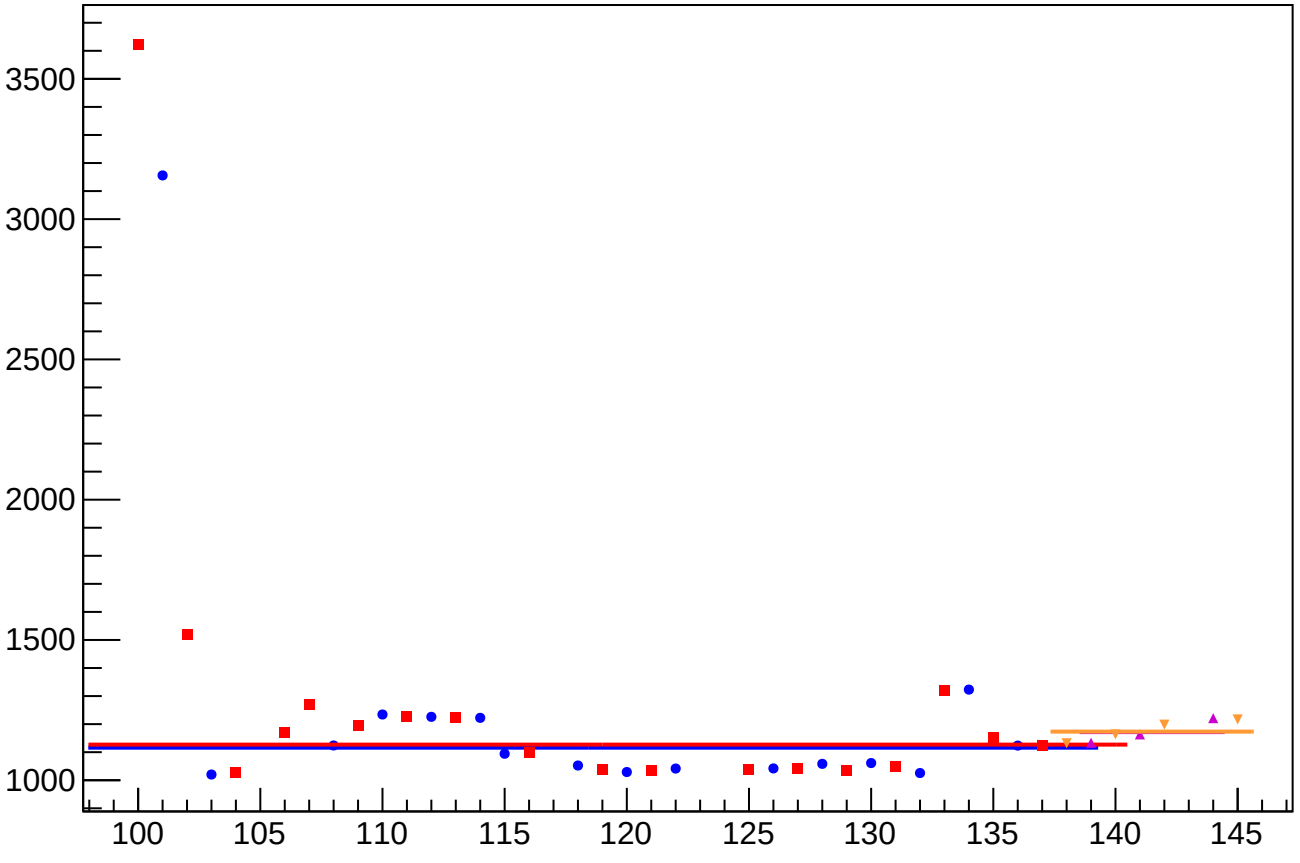
Left In: -823.289+/-722.567 χ^2/NDF:3.4/2

+ sign -28.427+/-361.958 χ^2/NDF: 19.9/19

All: -197.608+/-257.772 χ^2/NDF: 40.5/40

- sign -371.714+/-367.189 χ^2/NDF: 20.1/20

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

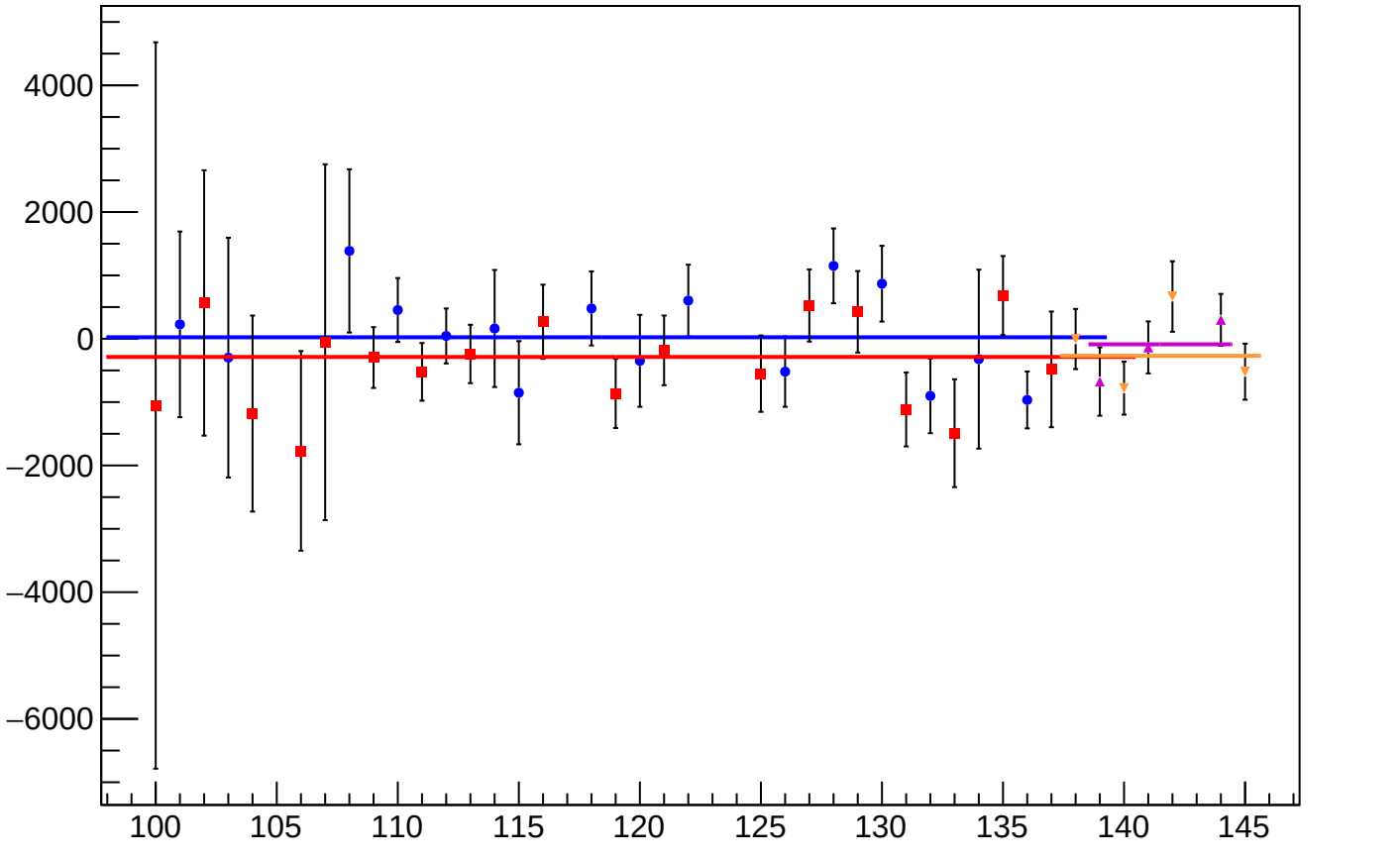
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1171.518+/-0.511 χ^2/NDF:4958.5/2

+ sign 1131.732+/-0.256 χ^2/NDF: 637980.8/19

All: 1135.051+/-0.182 χ^2/NDF: 871662.1/40

- sign 1138.467+/-0.260 χ^2/NDF: 233340.0/20



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -269.711+/-232.518 χ^2/NDF:5.0/3

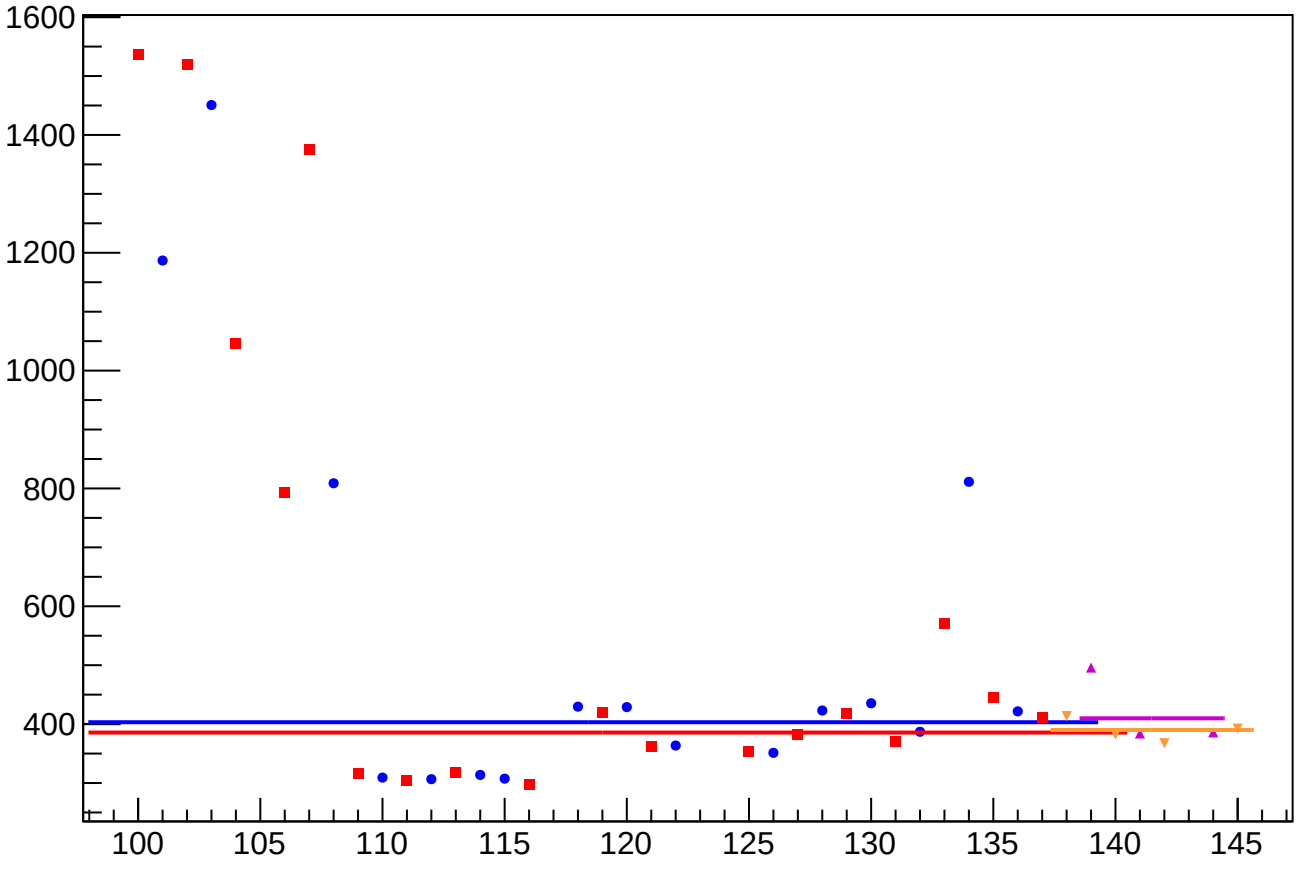
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -87.706+/-255.170 χ^2/NDF:2.1/2

+ sign -72.101+/-132.498 χ^2/NDF: 25.0/19

All: -152.166+/-93.948 χ^2/NDF: 41.9/40

- sign -233.118+/-133.229 χ^2/NDF: 16.2/20



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

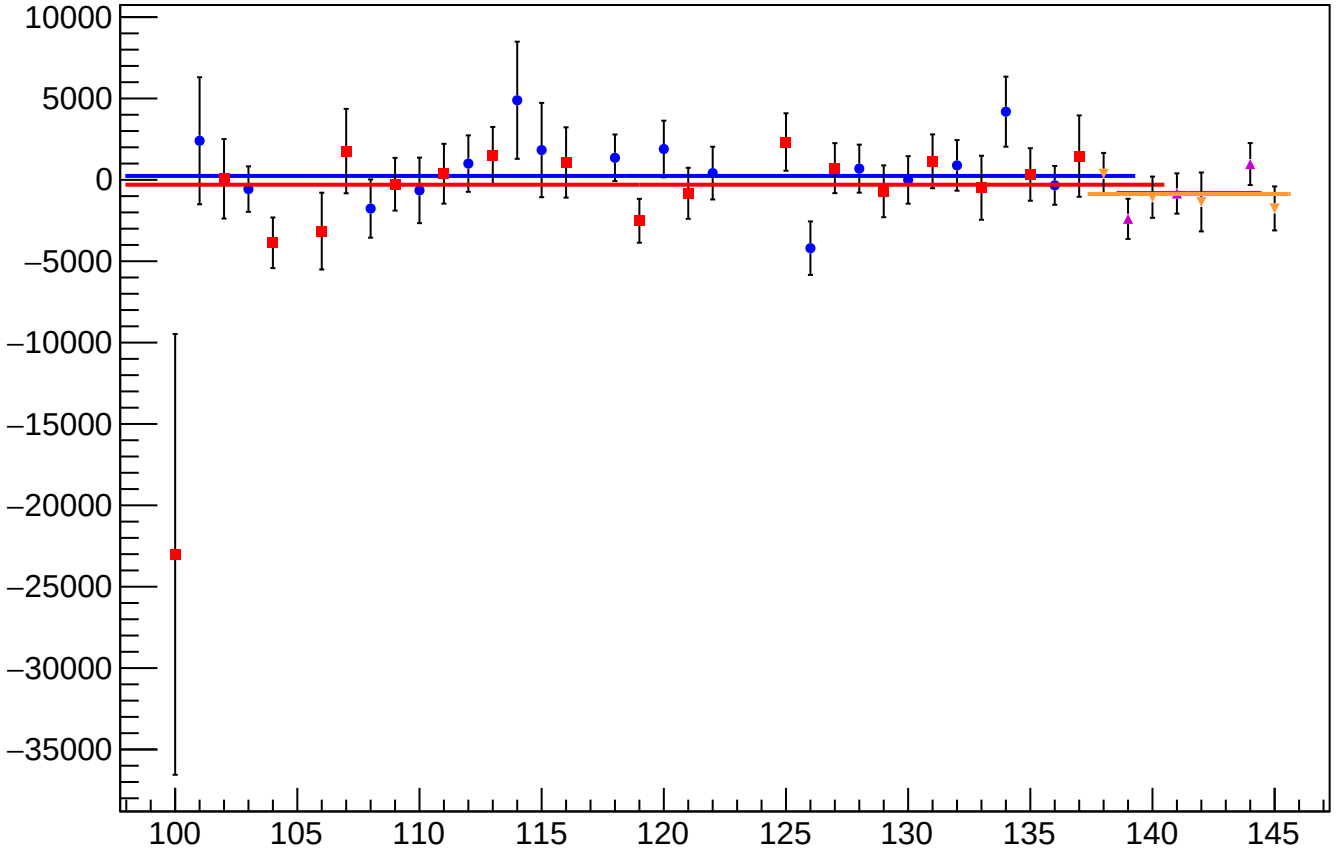
Left In: 409.844+/-0.180 χ^2/NDF:65696.3/2

+ sign 398.906+/-0.094 χ^2/NDF: 1825348.0/19

All: 395.605+/-0.066 χ^2/NDF: 3653736.4/40

- sign 392.268+/-0.094 χ^2/NDF: 1825892.8/20

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

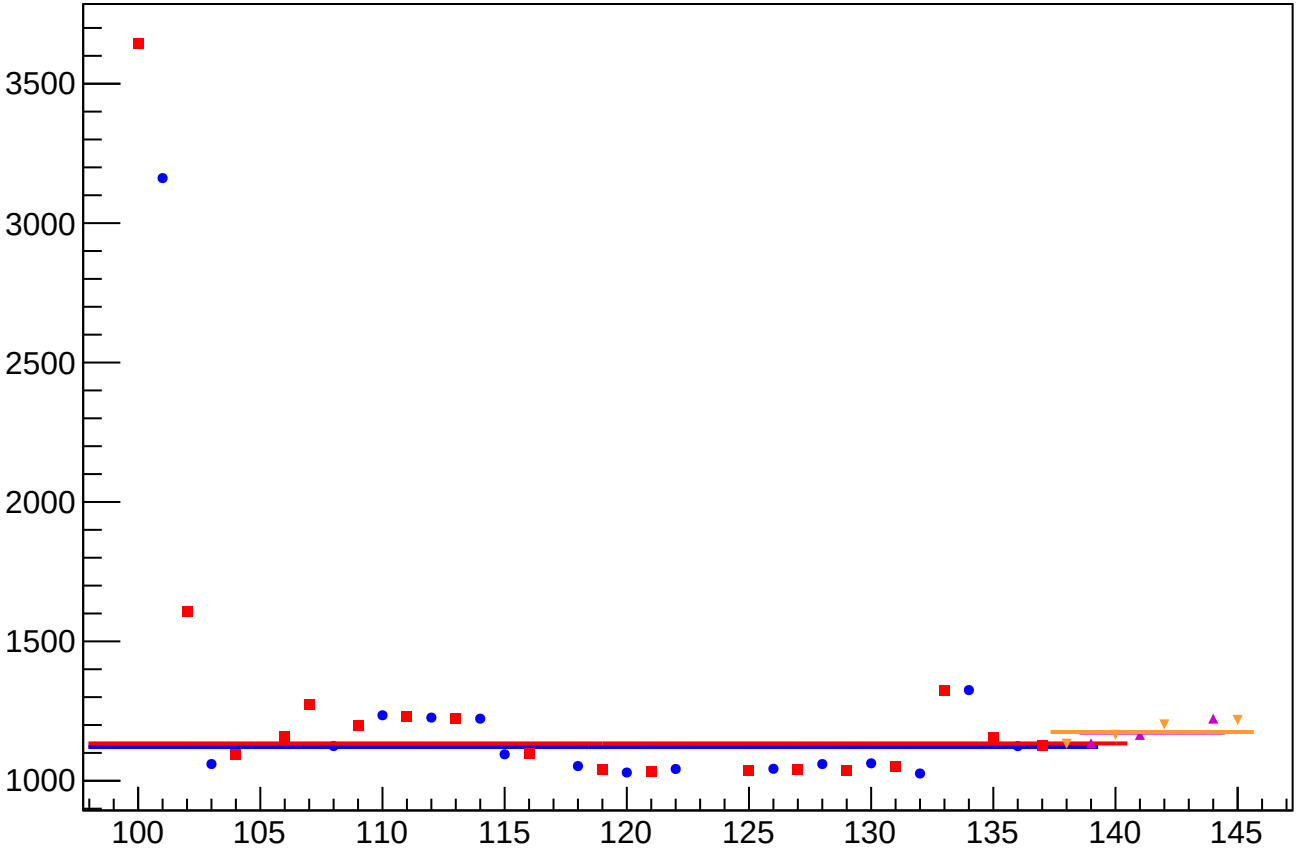
Left In: -803.833+/-723.359 χ^2/NDF:3.6/2

\+ sign -64.209+/-363.301 χ^2/NDF: 20.3/19

All: -244.250+/-259.267 χ^2/NDF: 43.4/40

\- sign -431.103+/-370.111 χ^2/NDF: 22.6/20

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

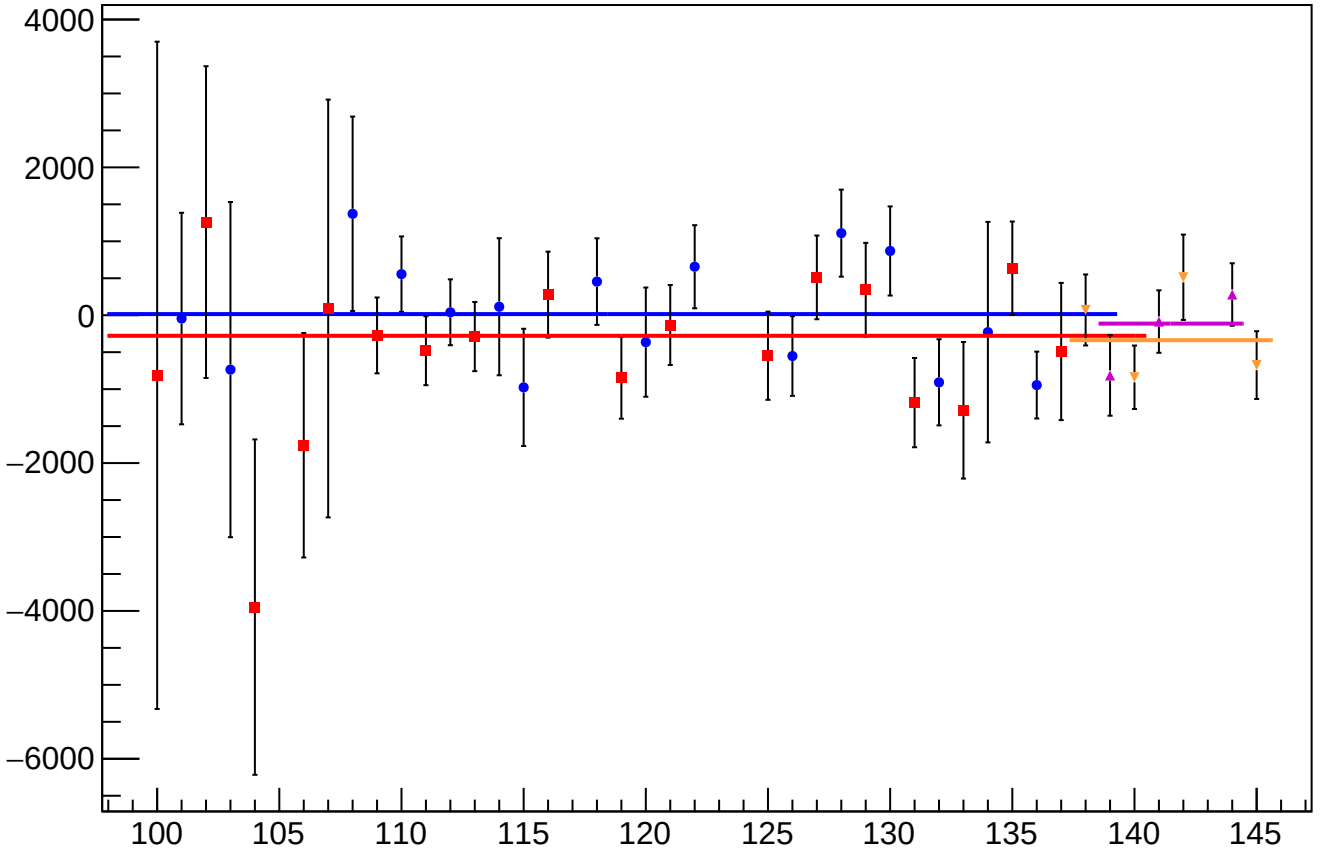
Left In: 1172.779+/-0.511 χ^2/NDF:5022.0/2

+ sign 1136.042+/-0.257 χ^2/NDF: 630502.3/19

All: 1139.996+/-0.183 χ^2/NDF: 867722.9/40

- sign 1144.100+/-0.262 χ^2/NDF: 236737.7/20

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -337.706+/-238.792 χ^2/NDF:4.8/3

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

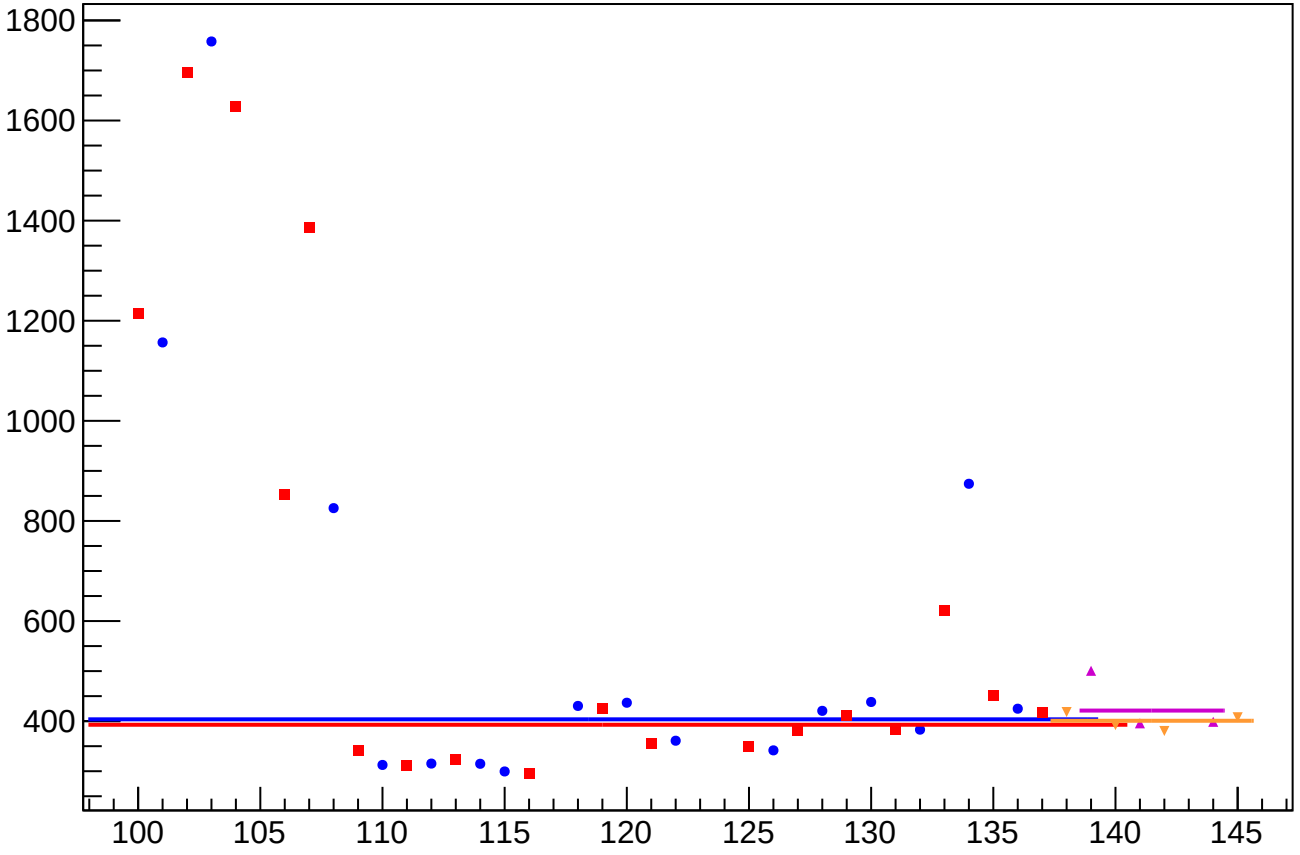
Left In: -113.554+/-261.923 χ^2/NDF:2.5/2

\+ sign -95.822+/-133.973 χ^2/NDF: 25.9/19

All: -163.957+/-95.376 χ^2/NDF: 44.3/40

\- sign -233.972+/-135.809 χ^2/NDF: 17.9/20

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

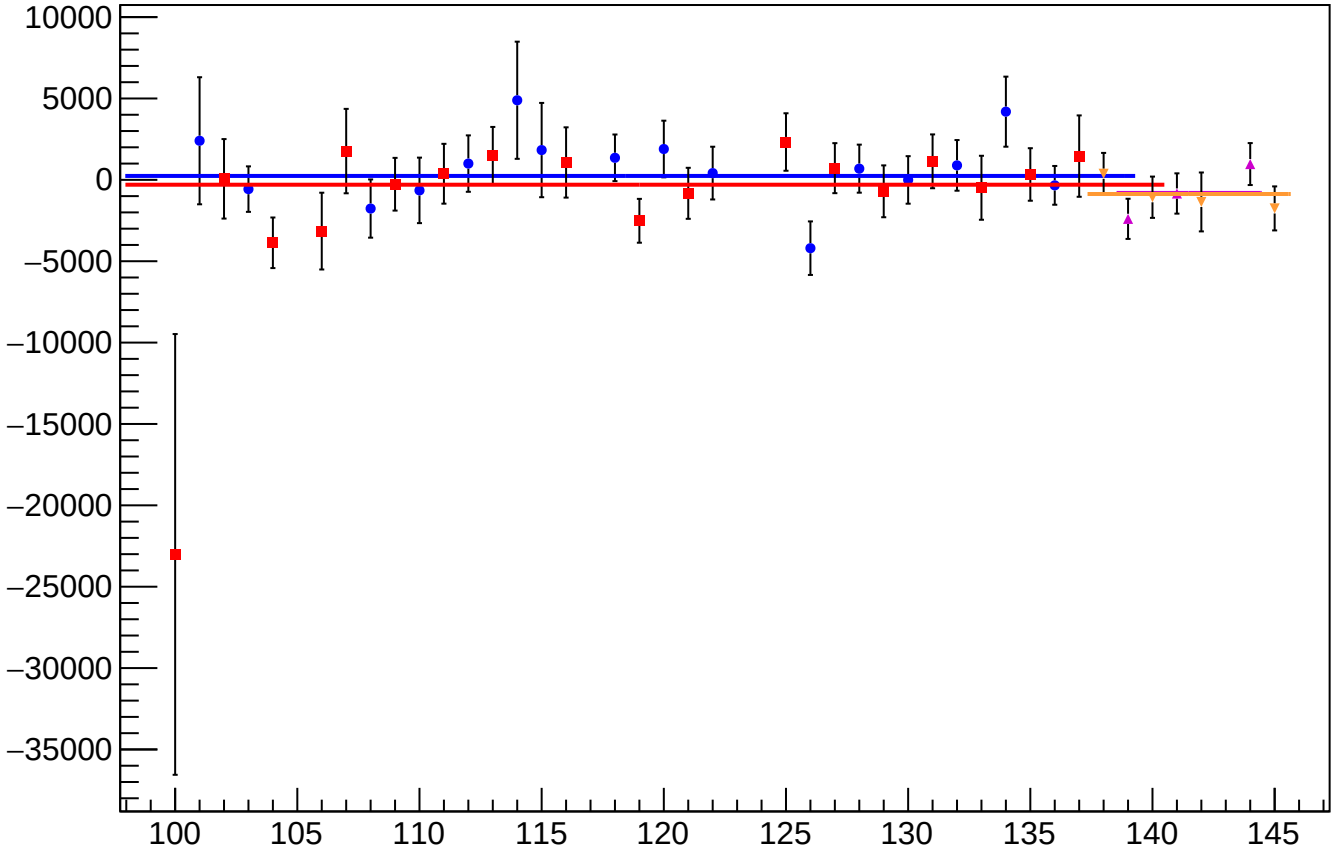
Left In: 421.157+/-0.185 χ^2/NDF:55517.9/2

+ sign 402.754+/-0.095 χ^2/NDF: 1936206.7/19

All: 401.612+/-0.067 χ^2/NDF: 4212589.9/40

- sign 400.439+/-0.096 χ^2/NDF: 2276088.6/20

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

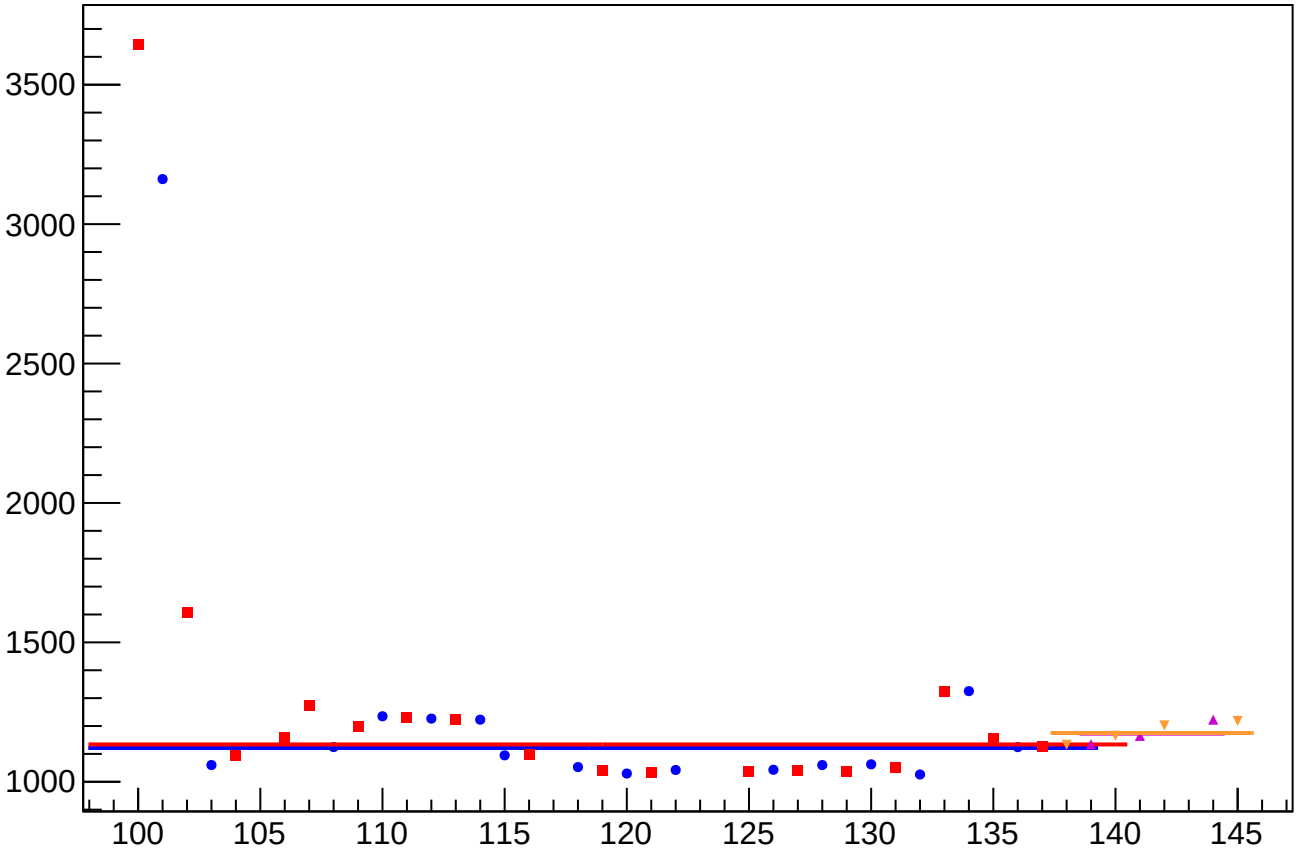
Left In: -803.828+/-723.359 χ^2/NDF:3.6/2

\+ sign -64.209+/-363.301 χ^2/NDF: 20.3/19

All: -244.249+/-259.267 χ^2/NDF: 43.4/40

\- sign -431.102+/-370.111 χ^2/NDF: 22.6/20

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

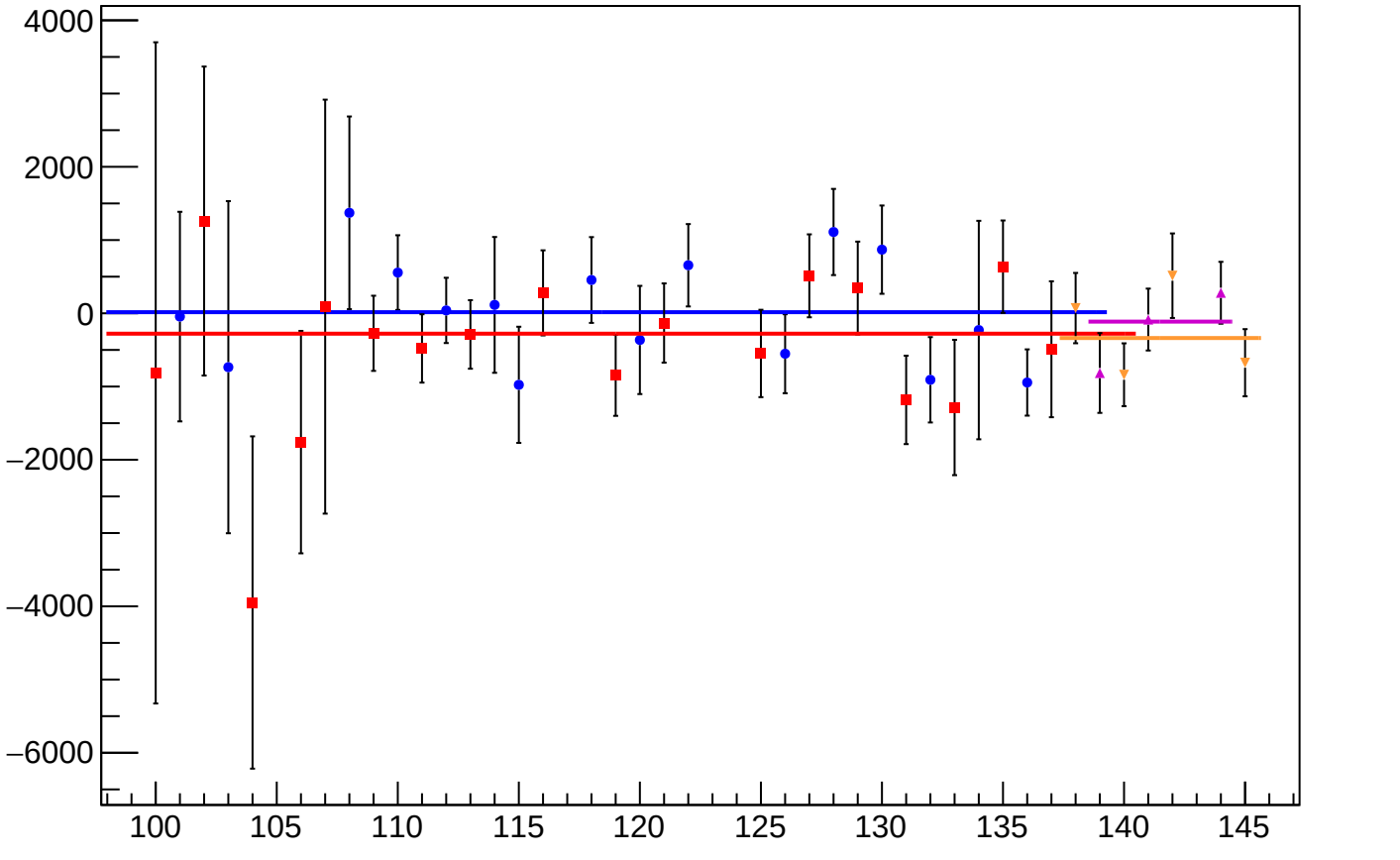
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1172.779+/-0.511 χ^2/NDF:5022.0/2

+ sign 1136.042+/-0.257 χ^2/NDF: 630502.4/19

All: 1139.996+/-0.183 χ^2/NDF: 867723.1/40

- sign 1144.100+/-0.262 χ^2/NDF: 236737.8/20



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -337.716+/-238.792 χ^2/NDF:4.8/3

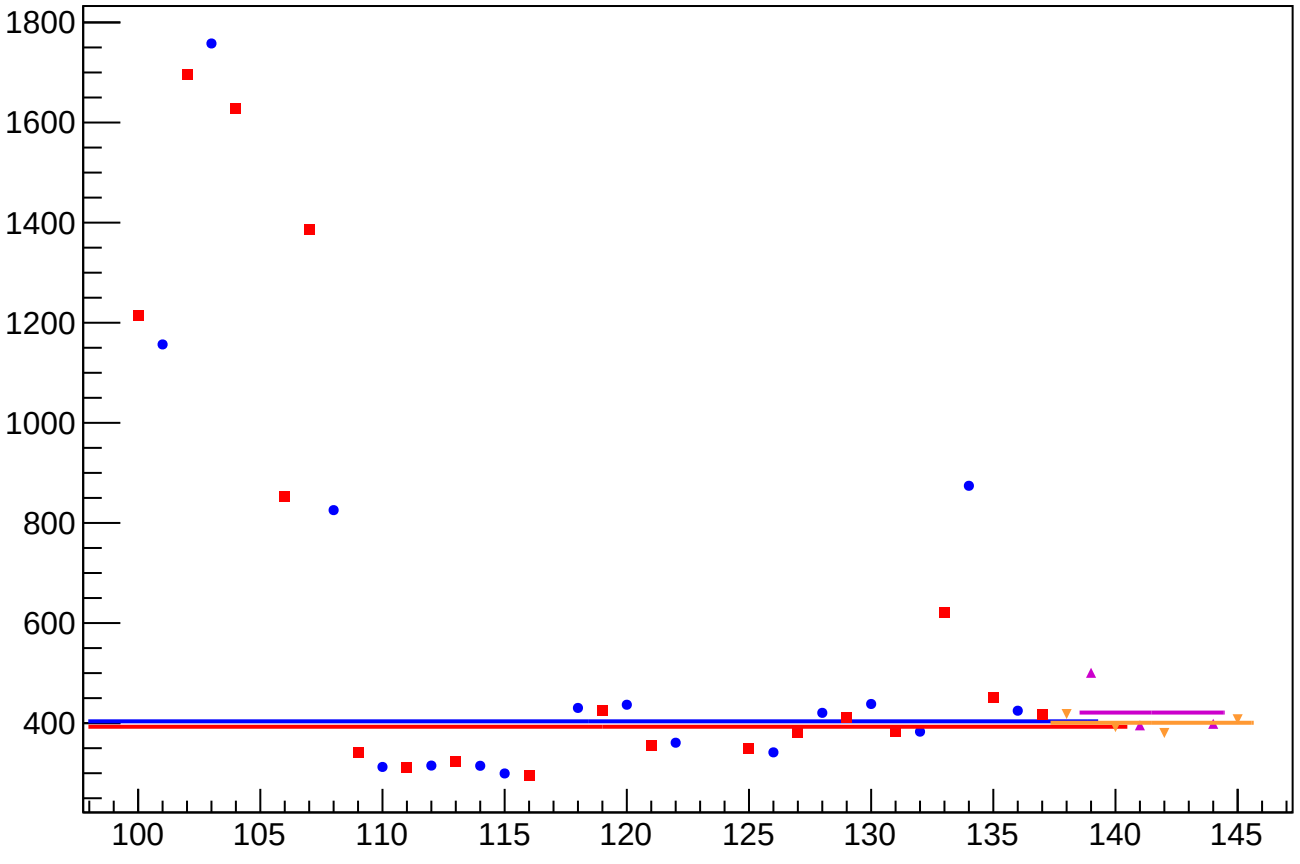
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -113.559+/-261.924 χ^2/NDF:2.5/2

\+ sign -95.827+/-133.973 χ^2/NDF: 25.9/19

All: -163.960+/-95.375 χ^2/NDF: 44.3/40

\- sign -233.973+/-135.809 χ^2/NDF: 17.9/20



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

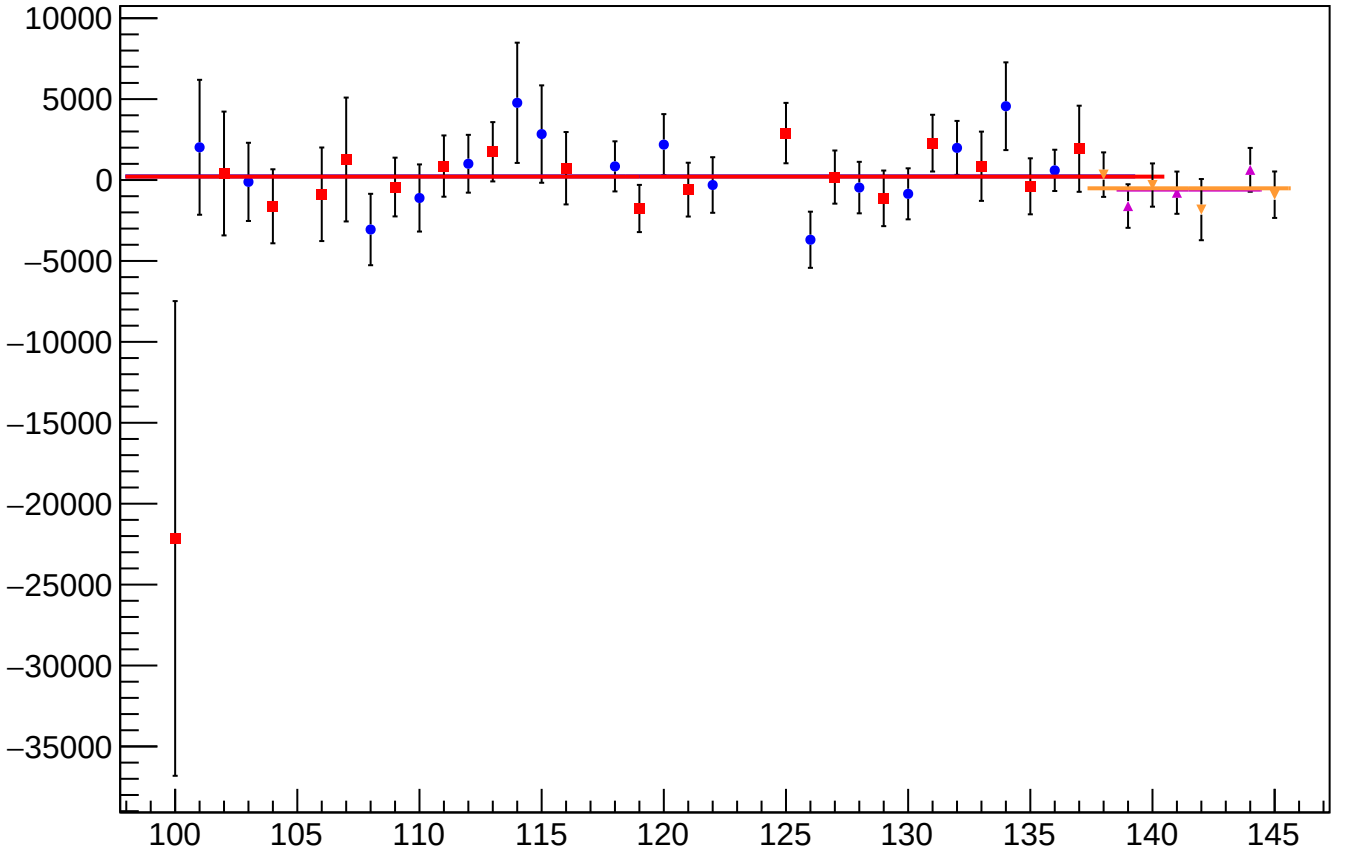
Left In: 421.158+/-0.185 χ^2/NDF:55513.4/2

+ sign 402.751+/-0.095 χ^2/NDF: 1936200.3/19

All: 401.610+/-0.067 χ^2/NDF: 4212591.5/40

- sign 400.437+/-0.096 χ^2/NDF: 2276096.7/20

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

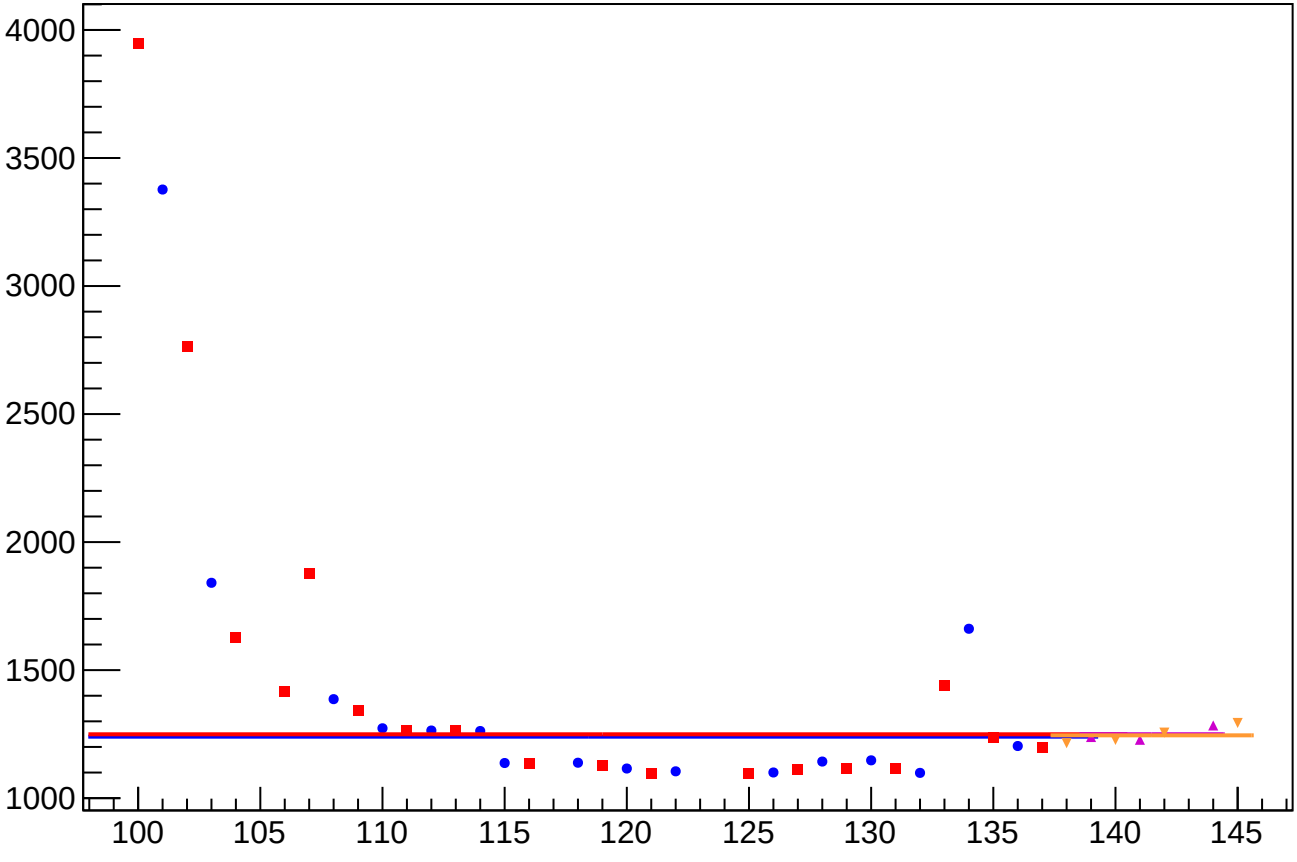
Left In: -593.874+/-770.554 χ^2/NDF:1.4/2

+ sign 7.928+/-398.590 χ^2/NDF: 17.8/19

All: -2.557+/-284.458 χ^2/NDF: 30.9/40

- sign -13.440+/-406.083 χ^2/NDF: 13.1/20

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

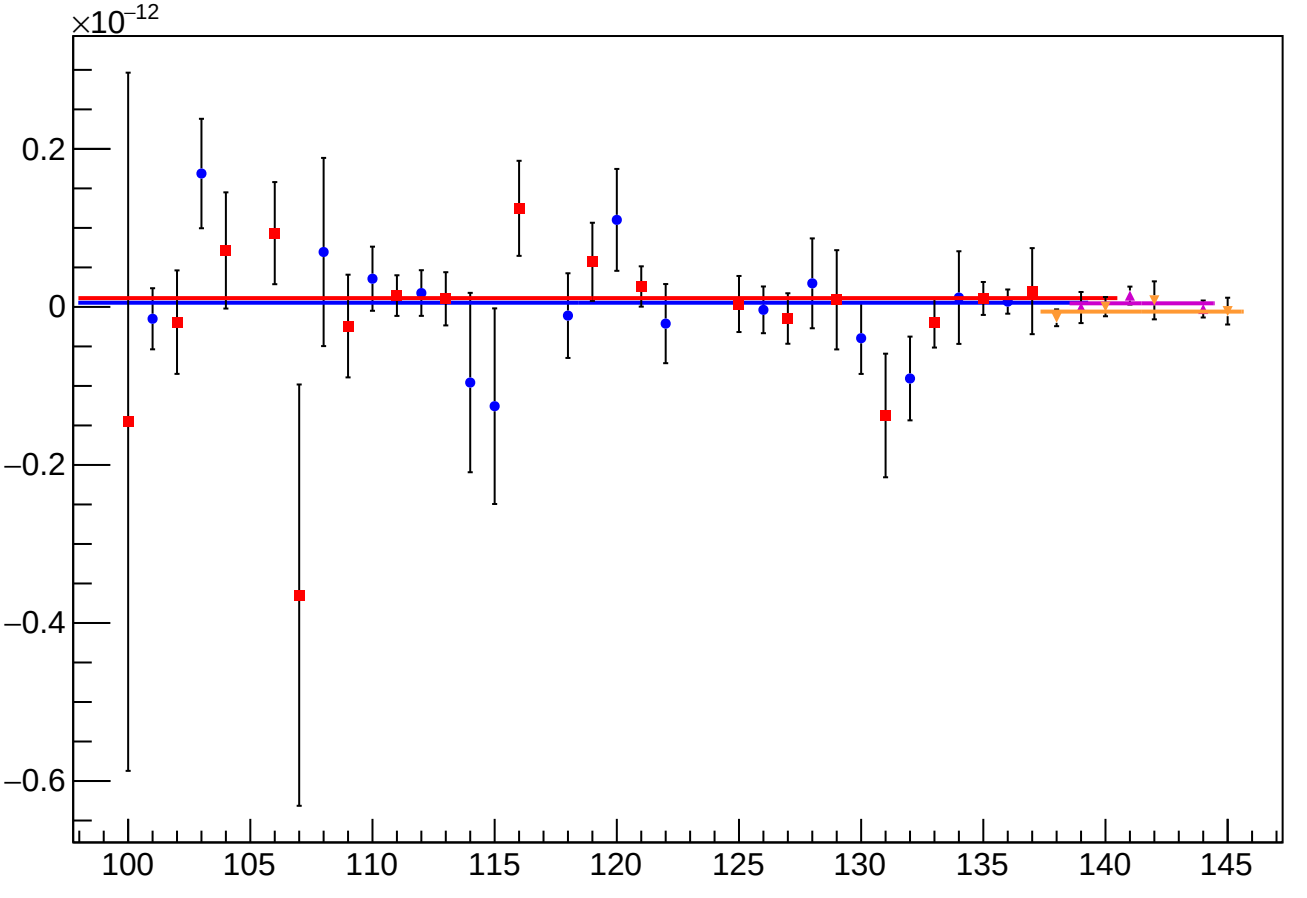
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1249.701+/-0.545 χ^2/NDF:1955.4/2

+ sign 1241.670+/-0.282 χ^2/NDF: 786444.2/19

All: 1245.508+/-0.201 χ^2/NDF: 1394876.8/40

- sign 1249.491+/-0.287 χ^2/NDF: 608054.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

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

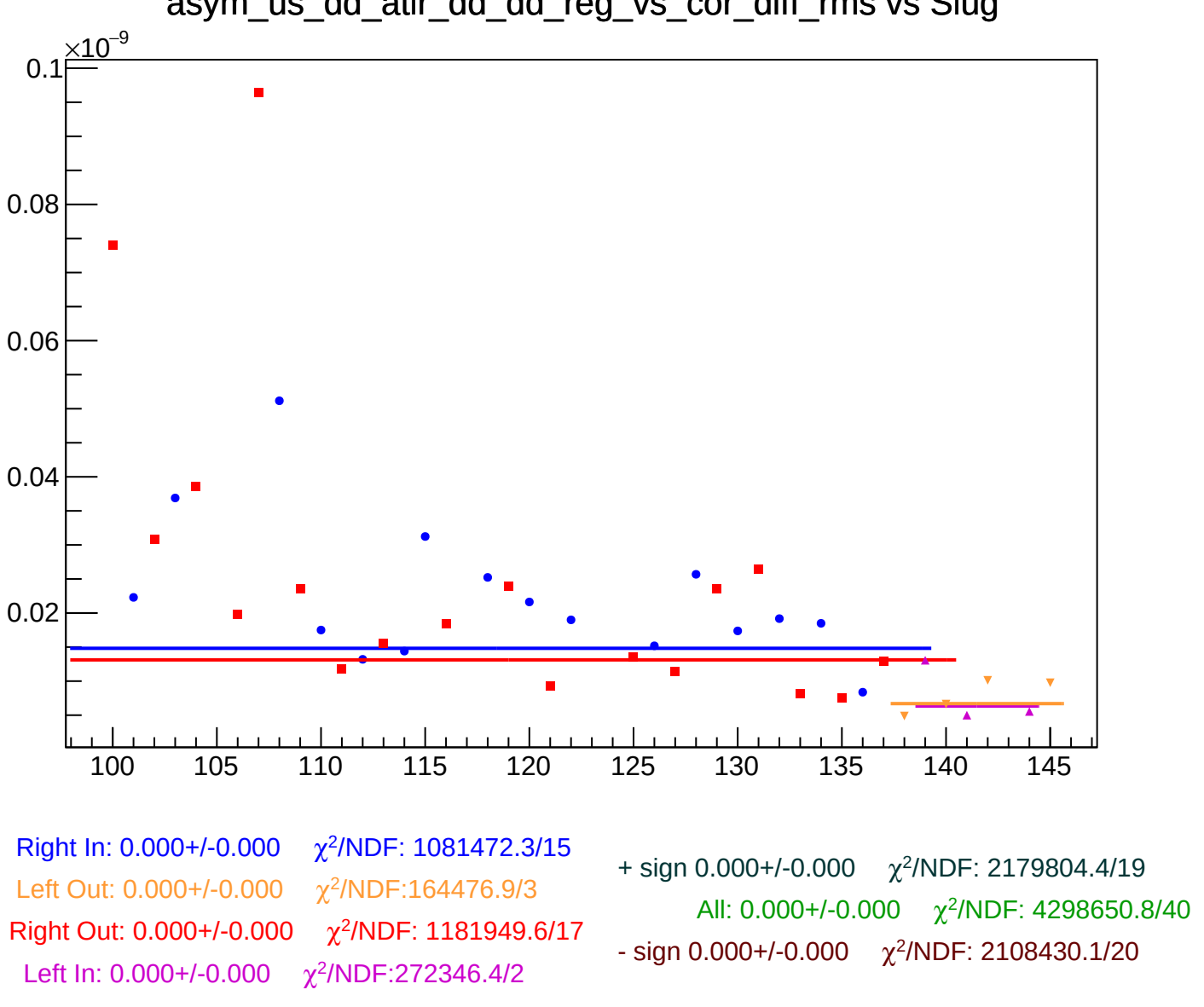
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/2

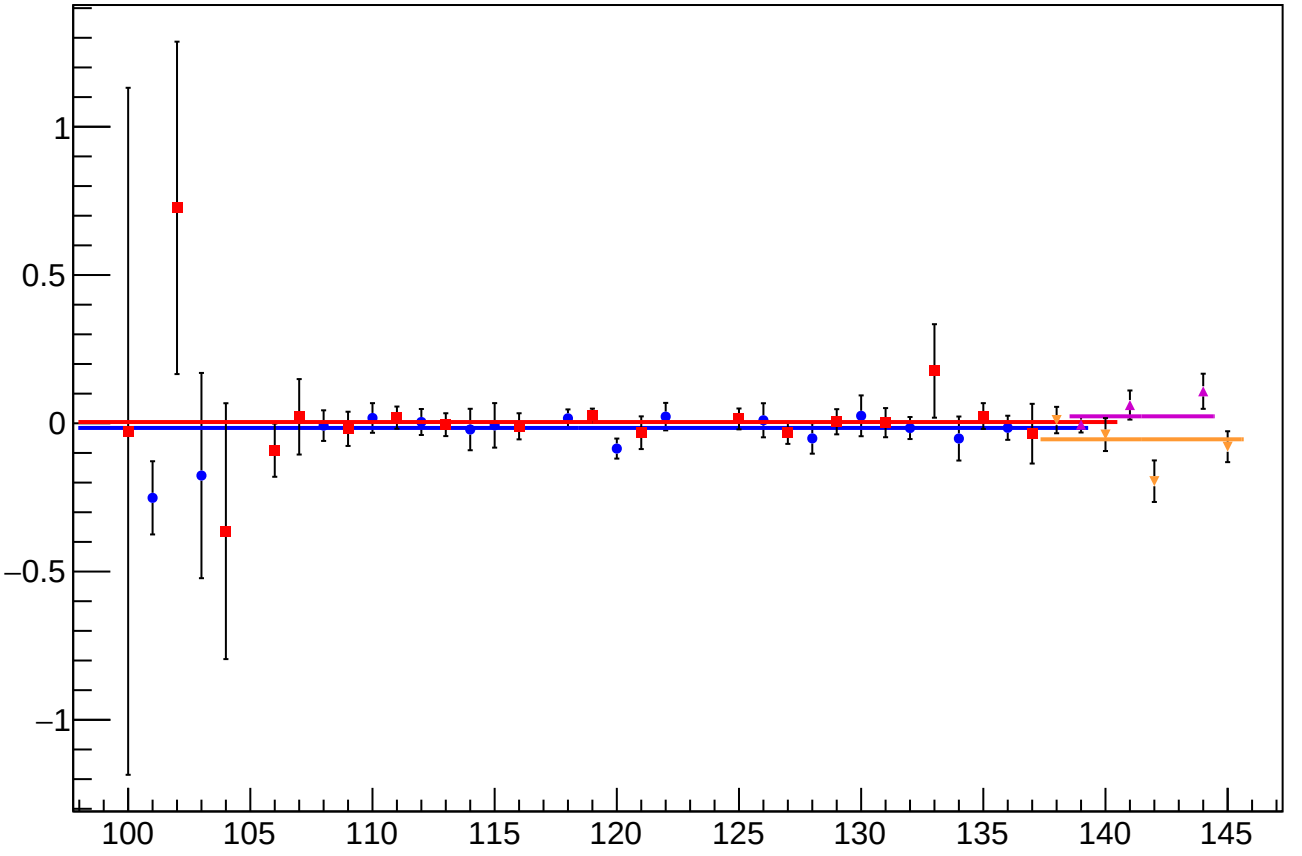
+ sign -0.000+/-0.000 χ^2/NDF: 18.4/19

All: 0.000+/-0.000 χ^2/NDF: 36.3/40

- sign 0.000+/-0.000 χ^2/NDF: 16.6/20


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
105
110
115
120
125
130
135
140
145
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:272346.4/2
+ sign 0.000+/-0.000 χ²/NDF: 2179804.4/19
All: 0.000+/-0.000 χ²/NDF: 4298650.8/40
- sign 0.000+/-0.000 χ²/NDF: 2108430.1/20

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



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

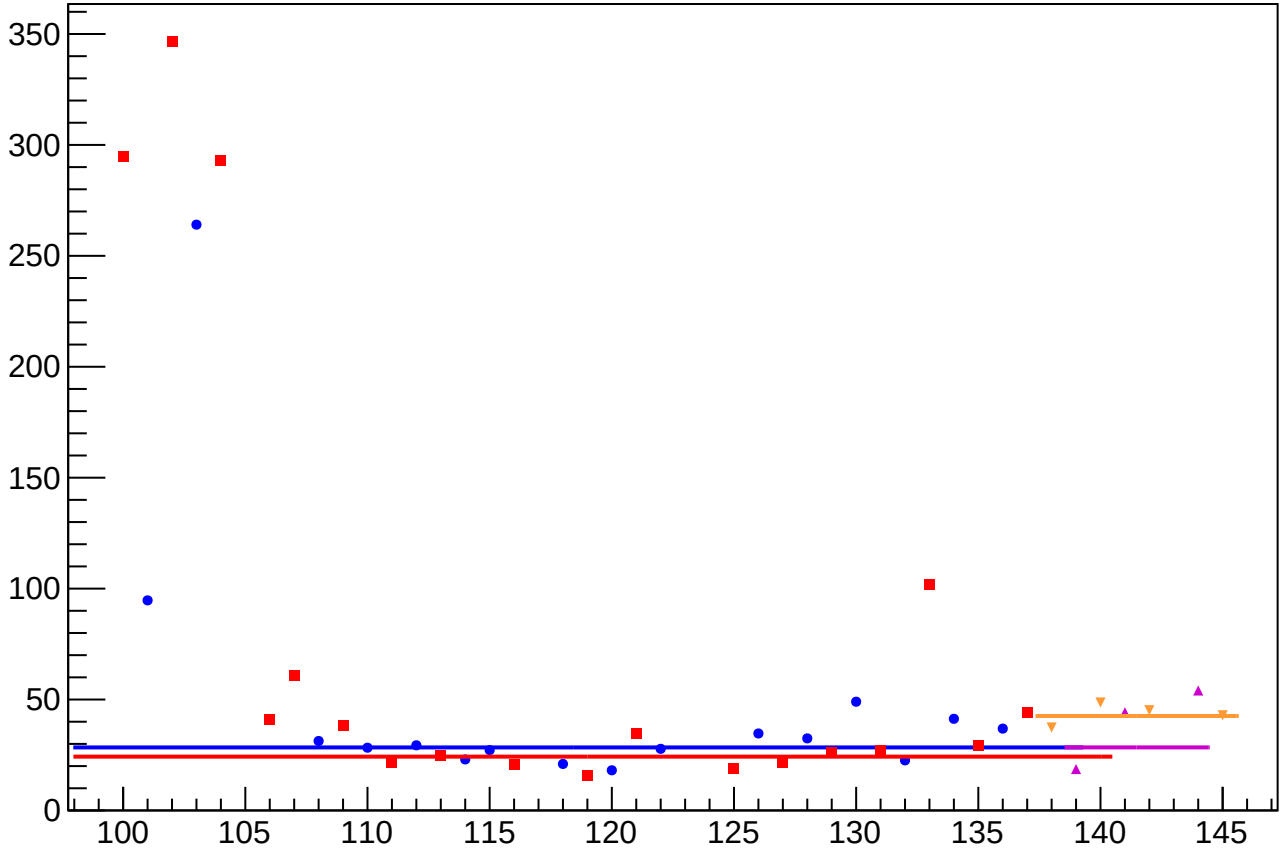
Left In: 0.024+/-0.022 χ^2/NDF:3.8/2

+ sign -0.022+/-0.011 χ^2/NDF: 20.1/19

All: -0.005+/-0.008 χ^2/NDF: 36.5/40

- sign 0.008+/-0.010 χ^2/NDF: 12.2/20

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

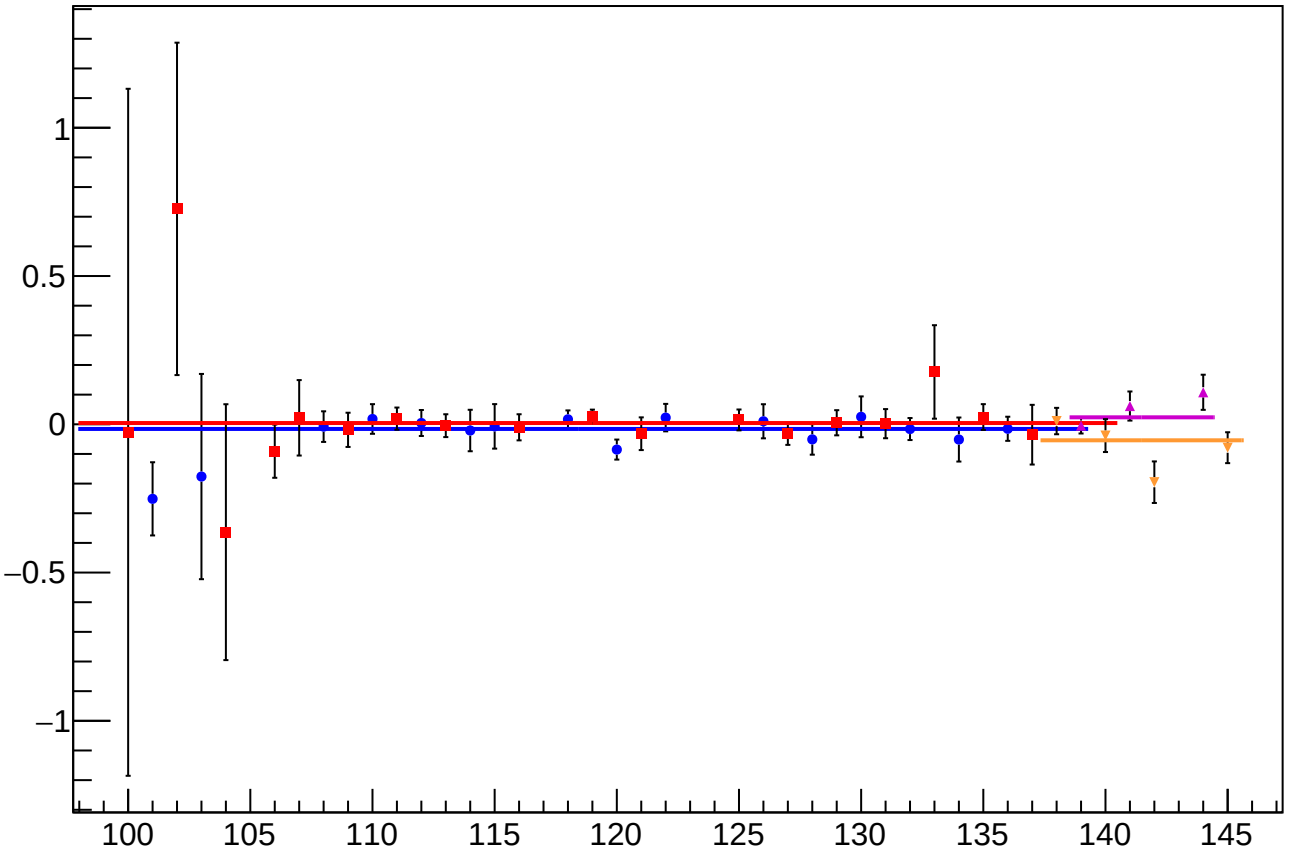
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 28.427+/-0.015 χ^2/NDF:854754.3/2

+ sign 30.894+/-0.008 χ^2/NDF: 2764306.8/19

All: 27.744+/-0.005 χ^2/NDF: 6879388.1/40

- sign 25.163+/-0.007 χ^2/NDF: 3826093.6/20



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.054+/-0.027 χ^2/NDF:6.5/3

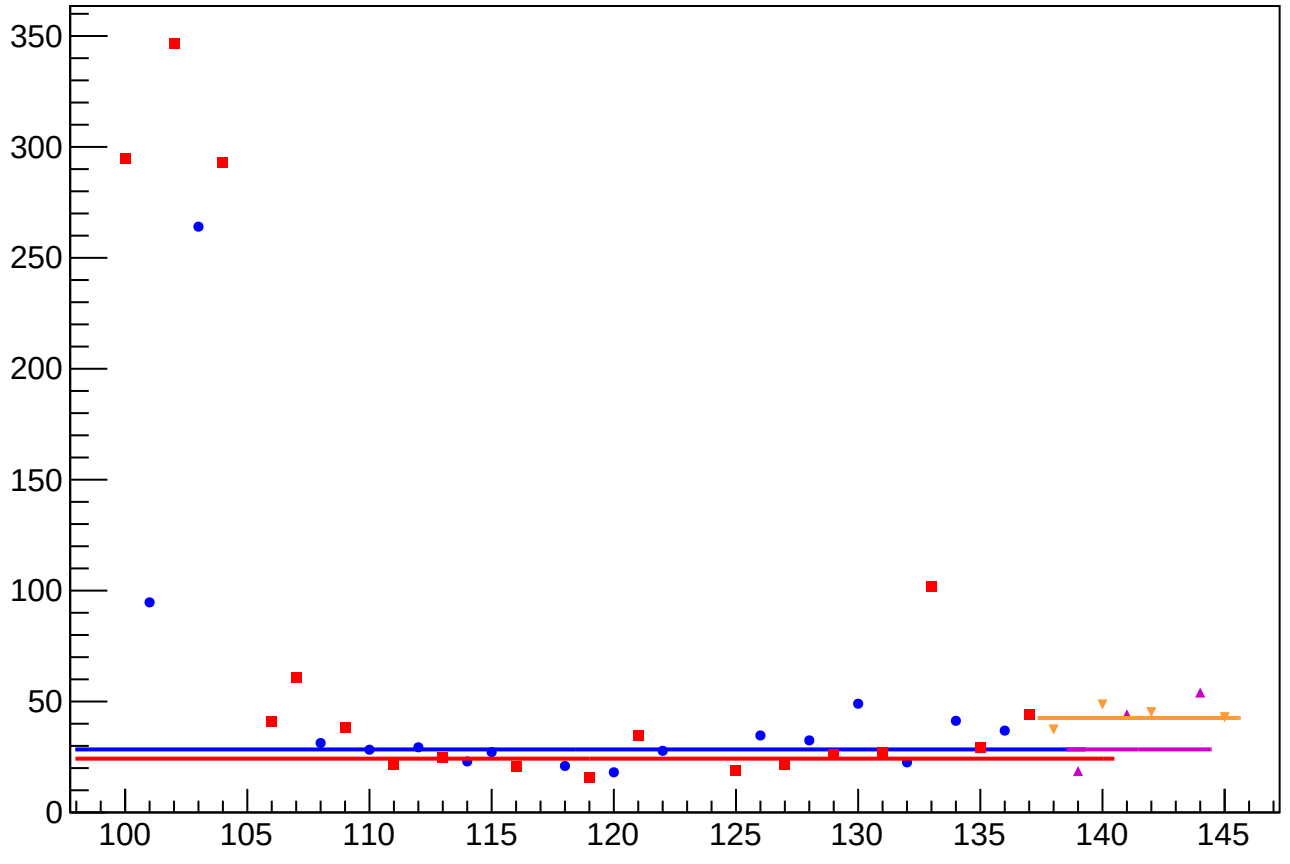
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.024+/-0.022 χ^2/NDF:3.8/2

\+ sign -0.022+/-0.011 χ^2/NDF: 20.1/19

All: -0.005+/-0.008 χ^2/NDF: 36.5/40

\- sign 0.008+/-0.010 χ^2/NDF: 12.2/20



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 42.585+/-0.019 χ^2/NDF:53979.0/3

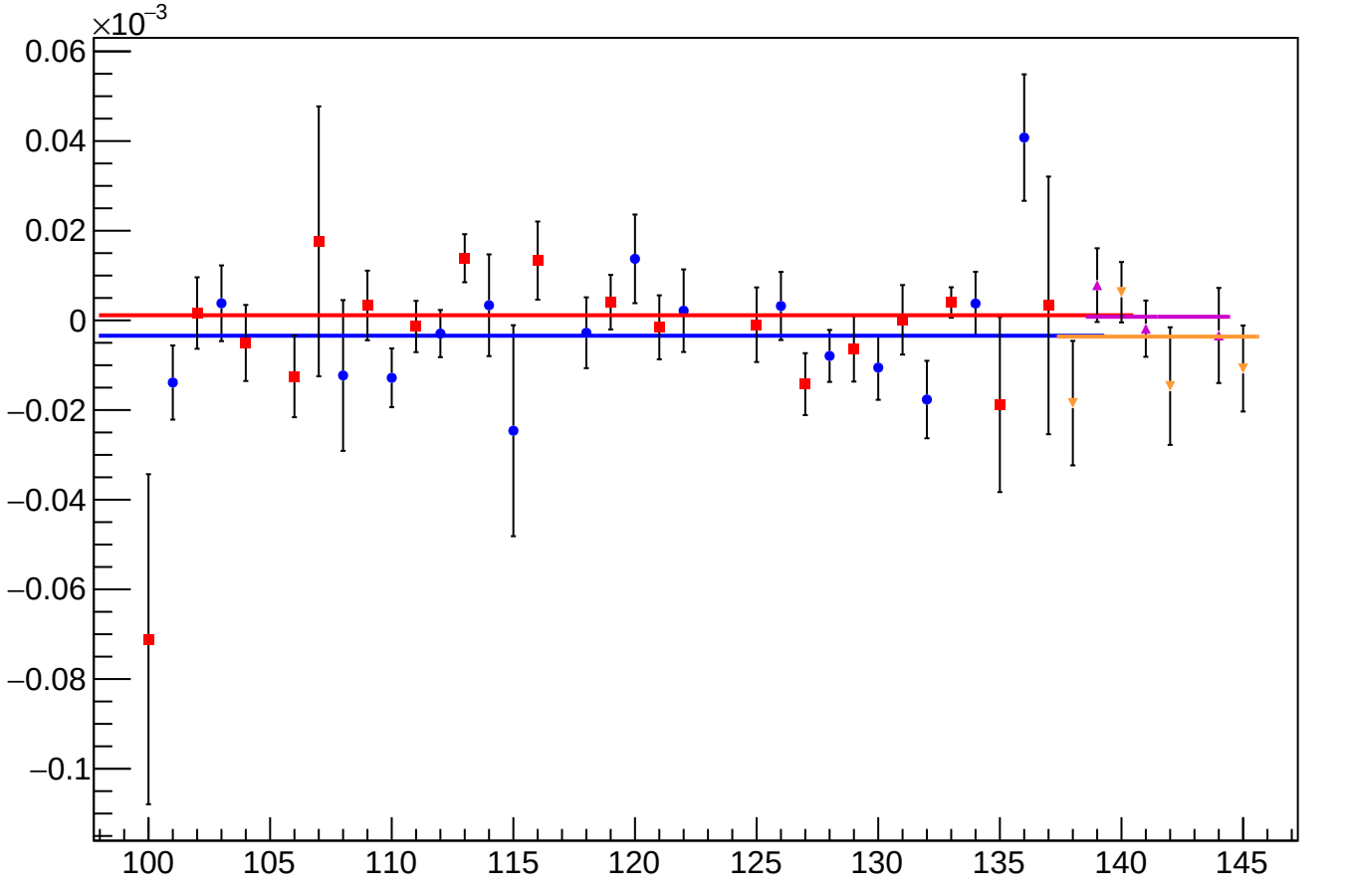
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 28.427+/-0.015 χ^2/NDF:854754.3/2

+ sign 30.894+/-0.008 χ^2/NDF: 2764306.8/19

All: 27.744+/-0.005 χ^2/NDF: 6879388.1/40

- sign 25.163+/-0.007 χ^2/NDF: 3826093.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/3

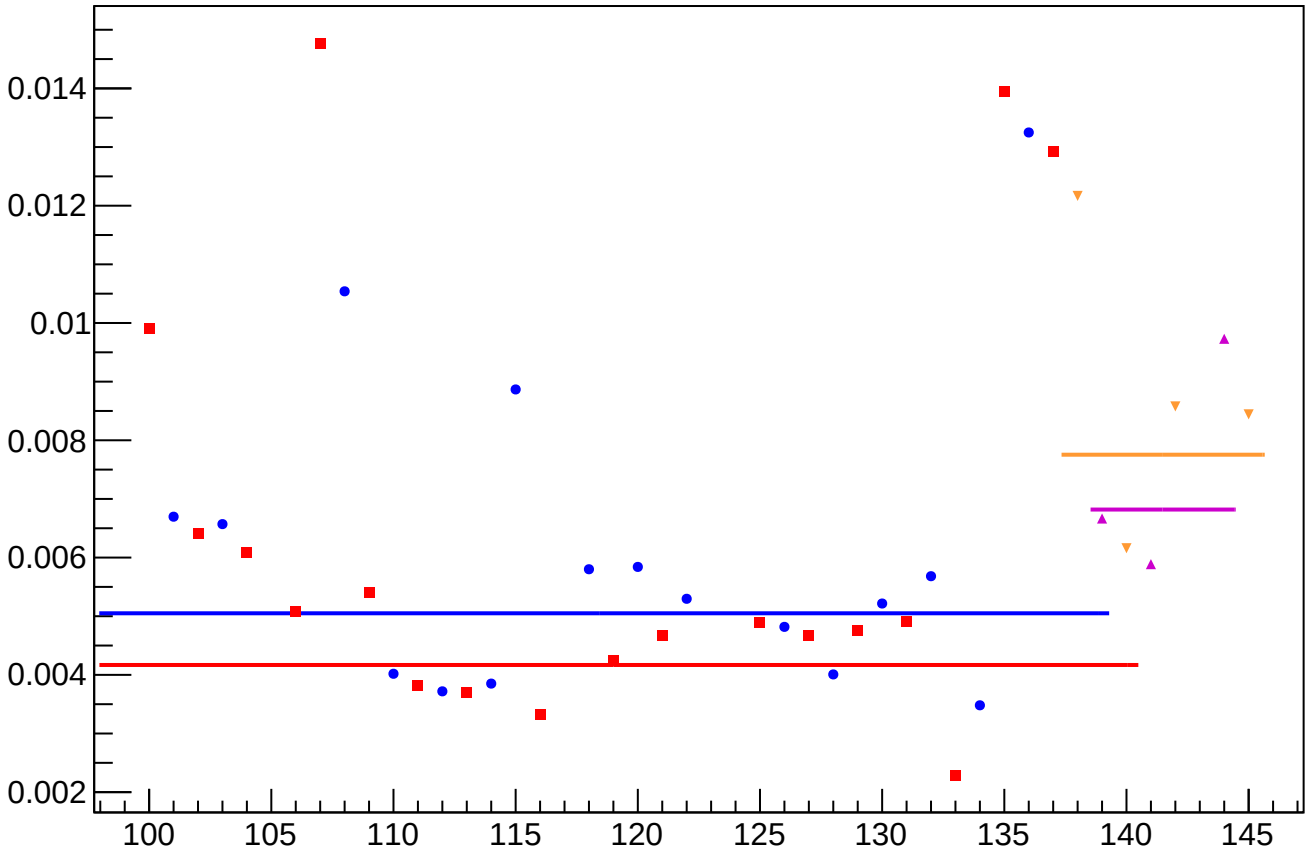
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/19

All: -0.000+/-0.000 χ^2/NDF: 57.2/40

- sign 0.000+/-0.000 χ^2/NDF: 24.1/20



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:332179.9/3

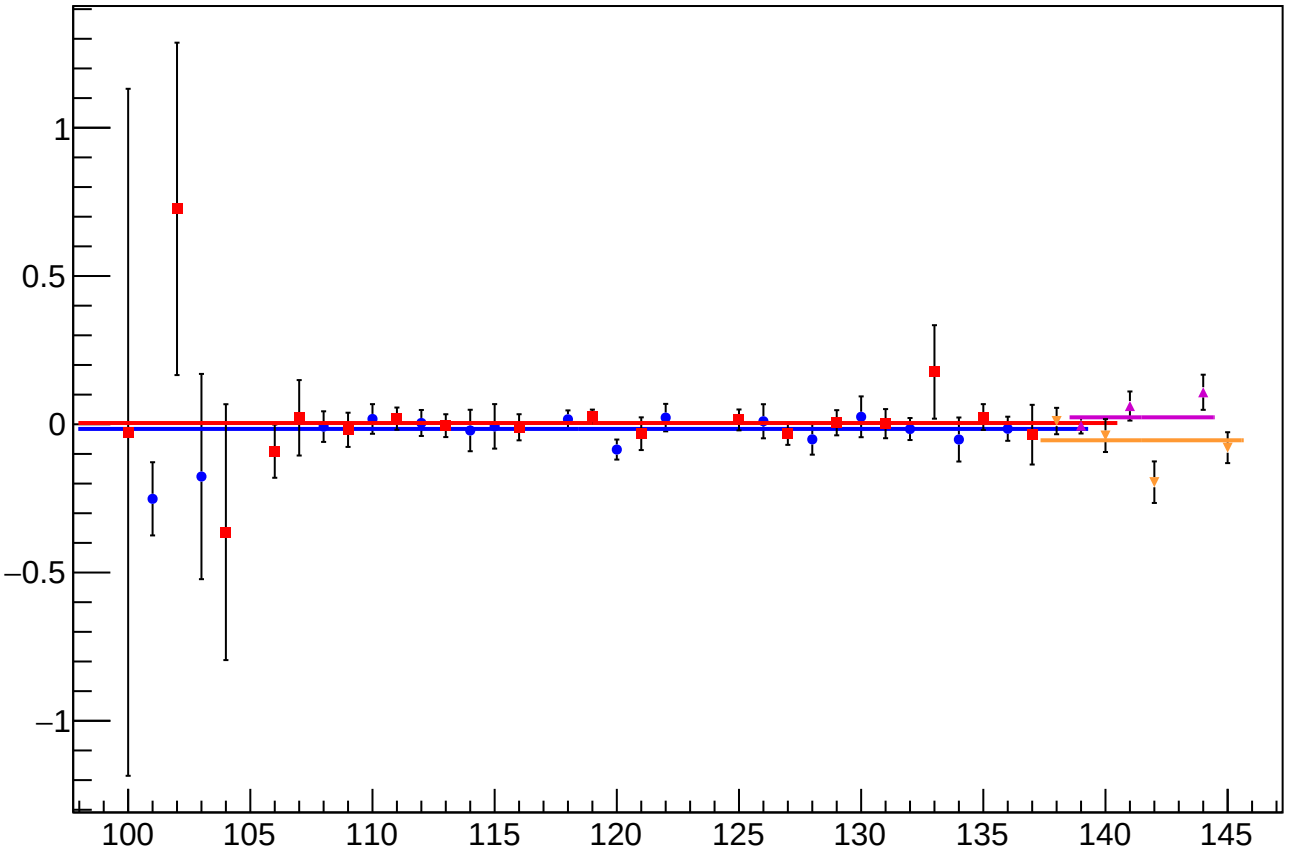
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.007+/-0.000 χ^2/NDF:195339.2/2

+ sign 0.005+/-0.000 χ^2/NDF: 2370329.0/19

All: 0.005+/-0.000 χ^2/NDF: 5521619.6/40

- sign 0.004+/-0.000 χ^2/NDF: 2840915.3/20



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

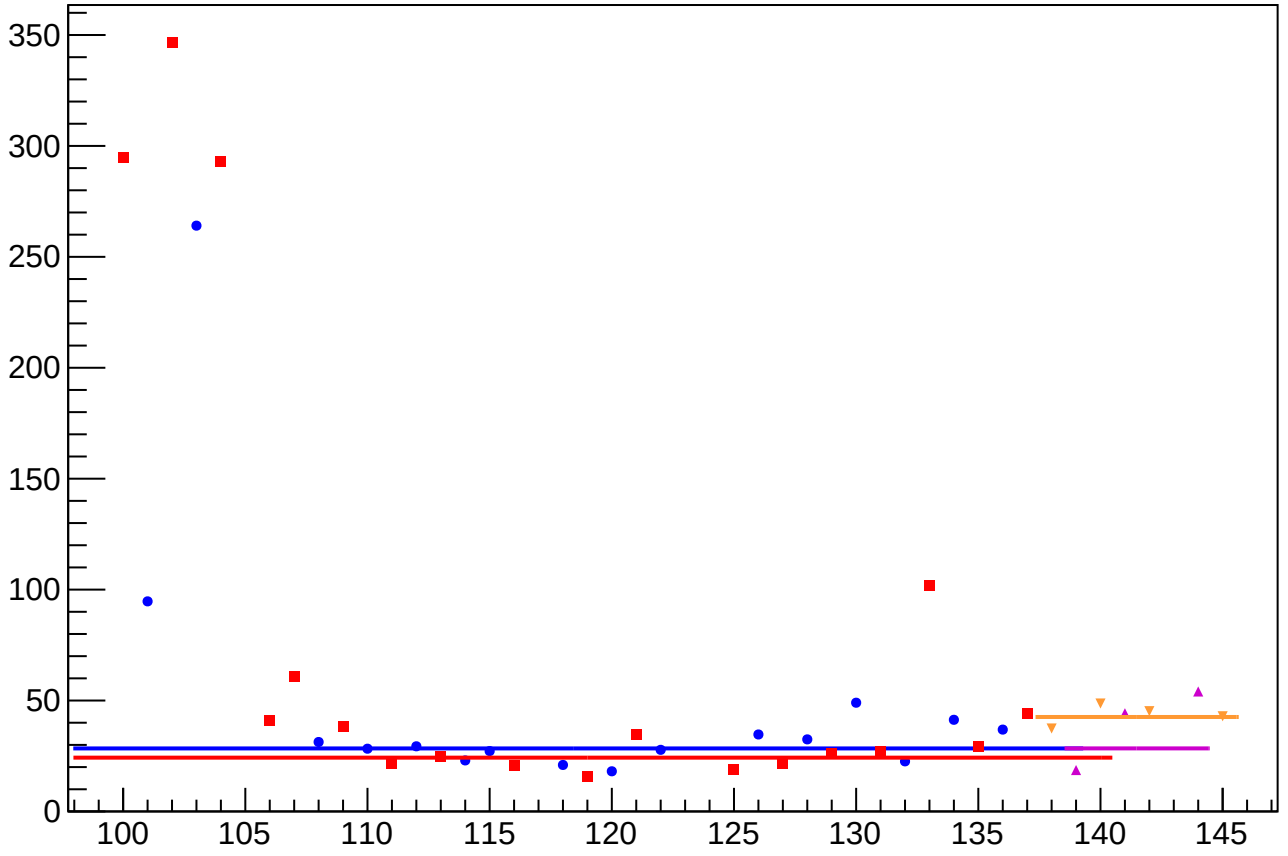
Left In: 0.023+/-0.022 χ^2/NDF:3.8/2

\+ sign -0.022+/-0.011 χ^2/NDF: 20.1/19

All: -0.005+/-0.008 χ^2/NDF: 36.5/40

\- sign 0.008+/-0.010 χ^2/NDF: 12.2/20

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 42.585+/-0.019 χ^2/NDF:54021.2/3

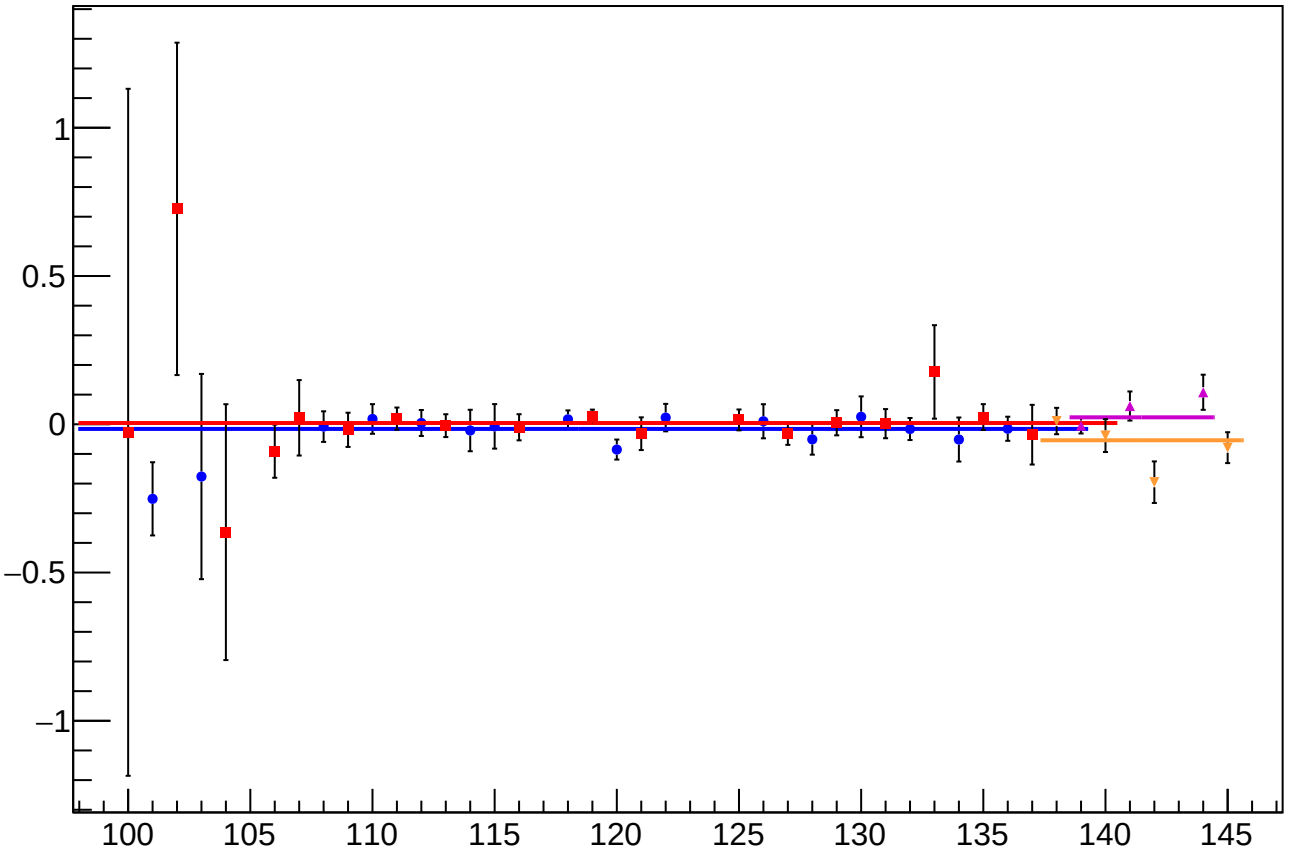
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 28.425+/-0.015 χ^2/NDF:855063.3/2

+ sign 30.894+/-0.008 χ^2/NDF: 2764349.6/19

All: 27.743+/-0.005 χ^2/NDF: 6880139.1/40

- sign 25.161+/-0.007 χ^2/NDF: 3826625.4/20



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.054+/-0.027 χ^2/NDF:6.5/3

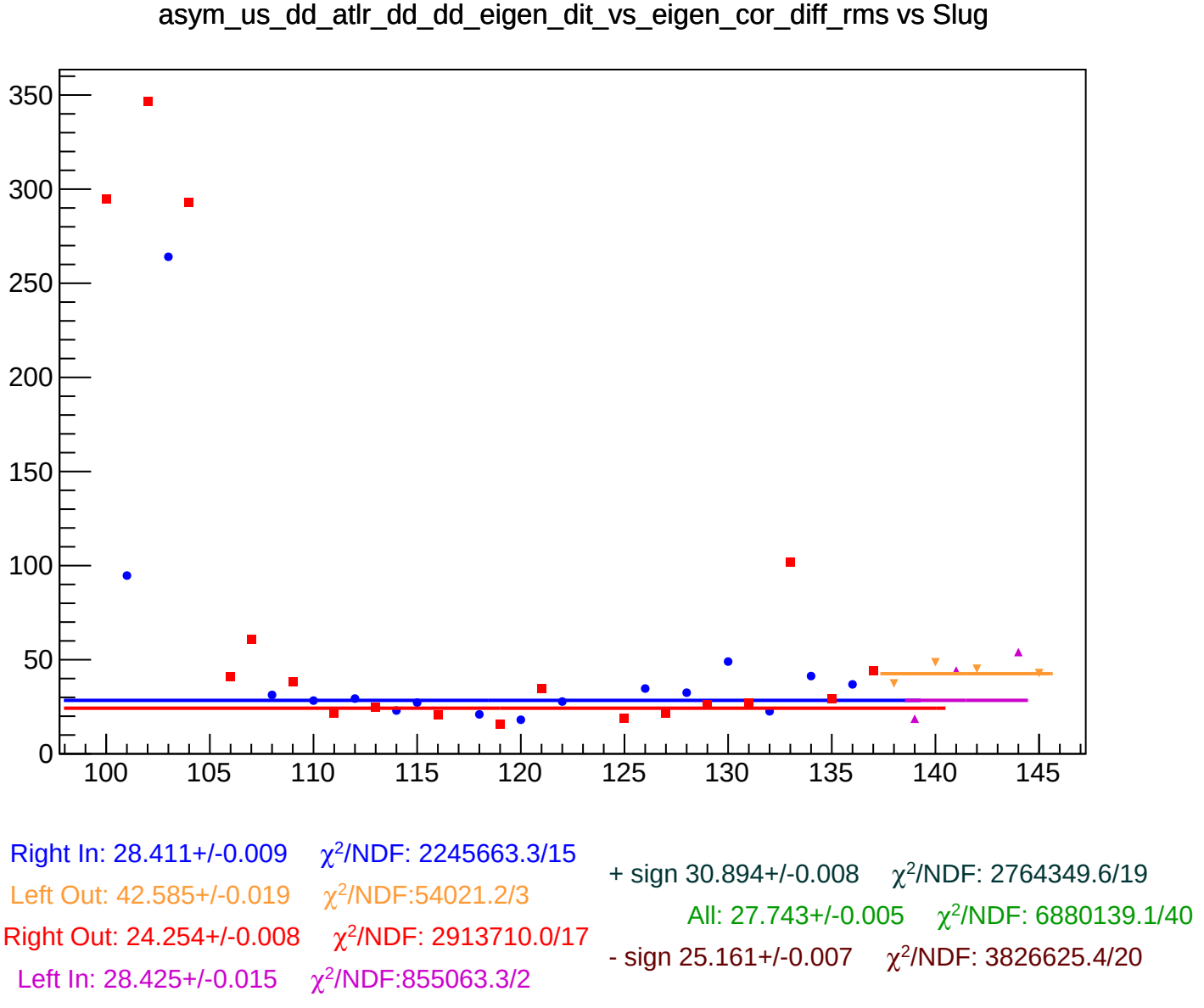
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

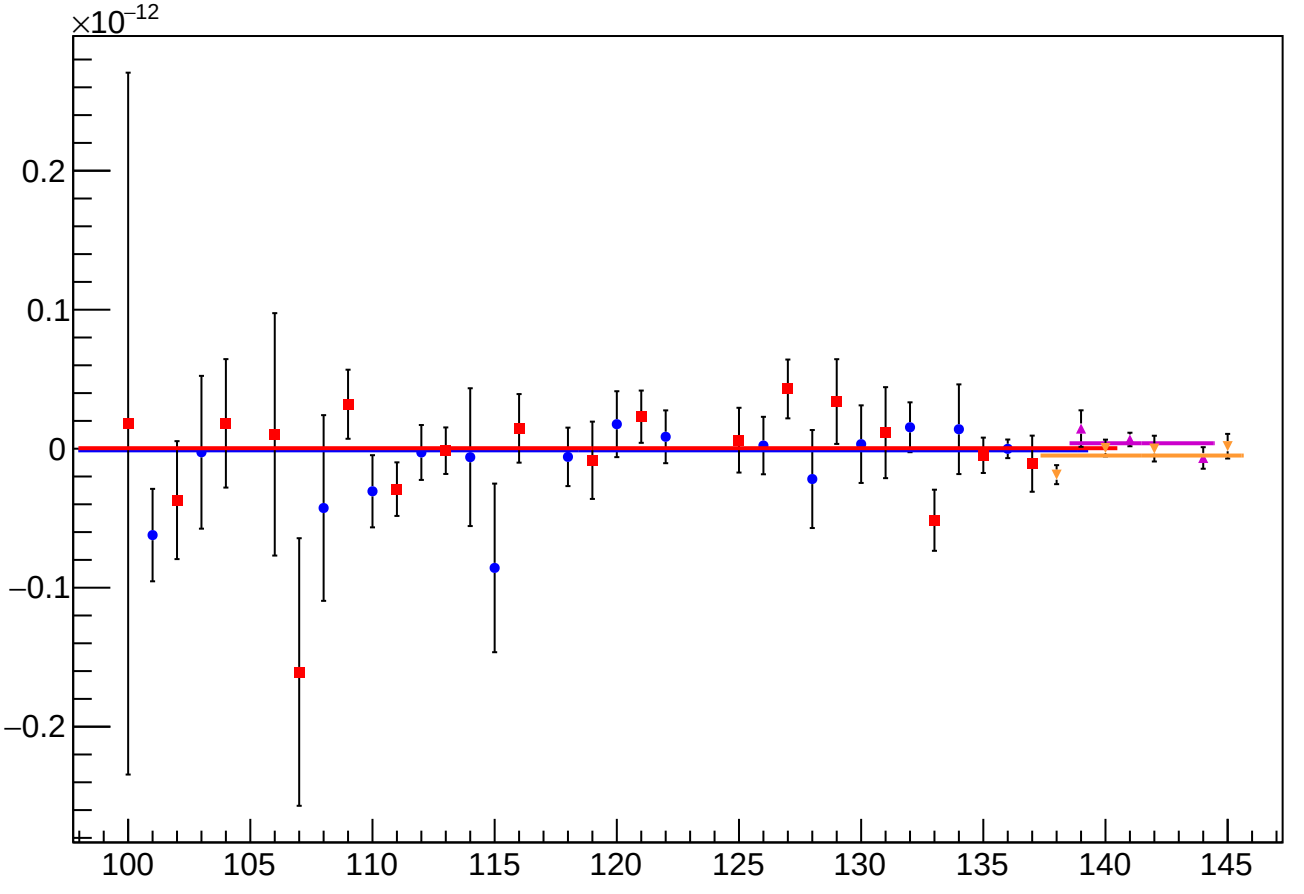
Left In: 0.023+/-0.022 χ^2/NDF:3.8/2

+ sign -0.022+/-0.011 χ^2/NDF: 20.1/19

All: -0.005+/-0.008 χ^2/NDF: 36.5/40

- sign 0.008+/-0.010 χ^2/NDF: 12.2/20


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
105
110
115
120
125
130
135
140
145
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: 28.425+/-0.015 χ²/NDF:855063.3/2
+ sign 30.894+/-0.008 χ²/NDF: 2764349.6/19
All: 27.743+/-0.005 χ²/NDF: 6880139.1/40
- sign 25.161+/-0.007 χ²/NDF: 3826625.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/3

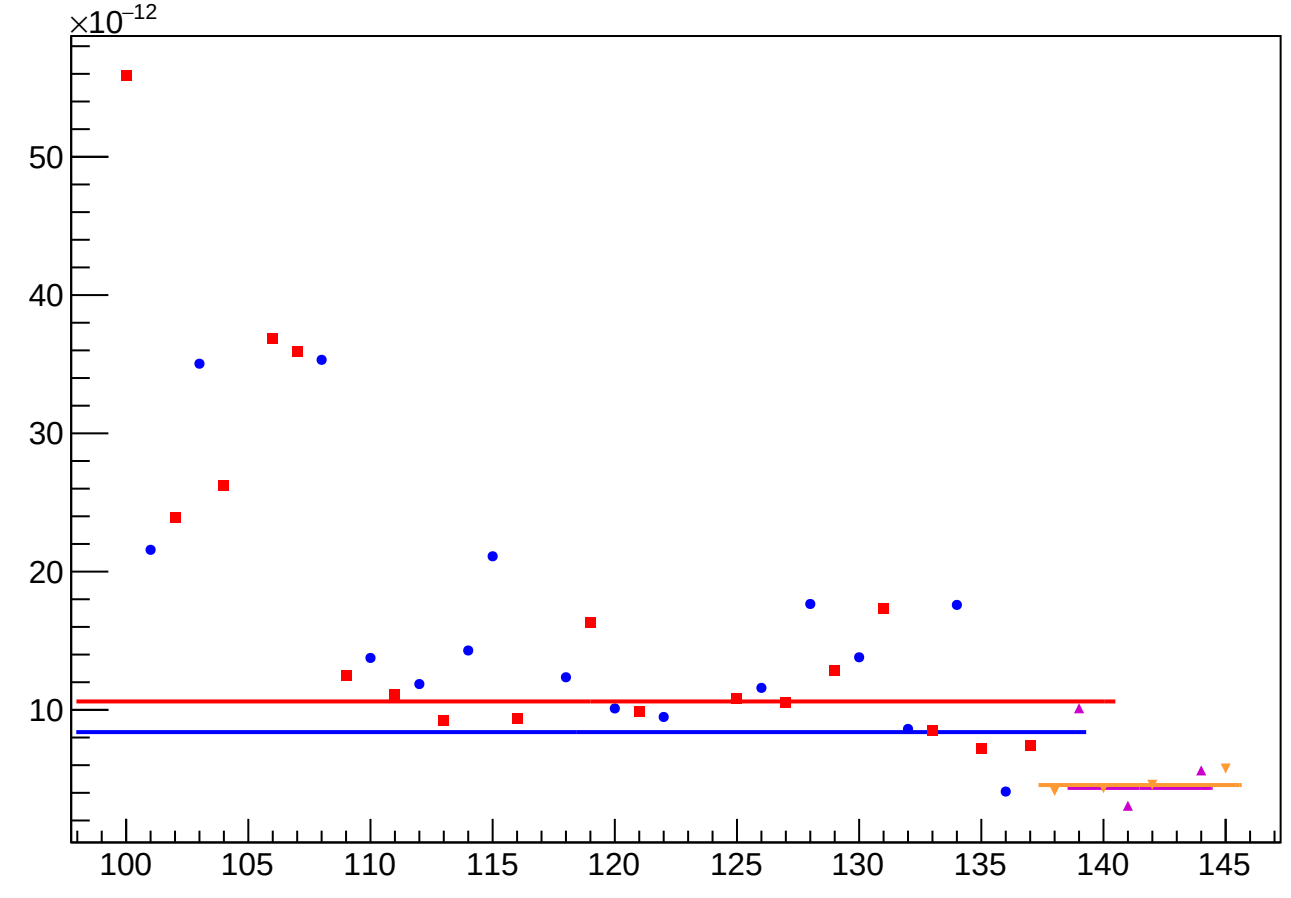
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 15.5/19

All: -0.000+/-0.000 χ^2/NDF: 41.8/40

- sign 0.000+/-0.000 χ^2/NDF: 24.2/20



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

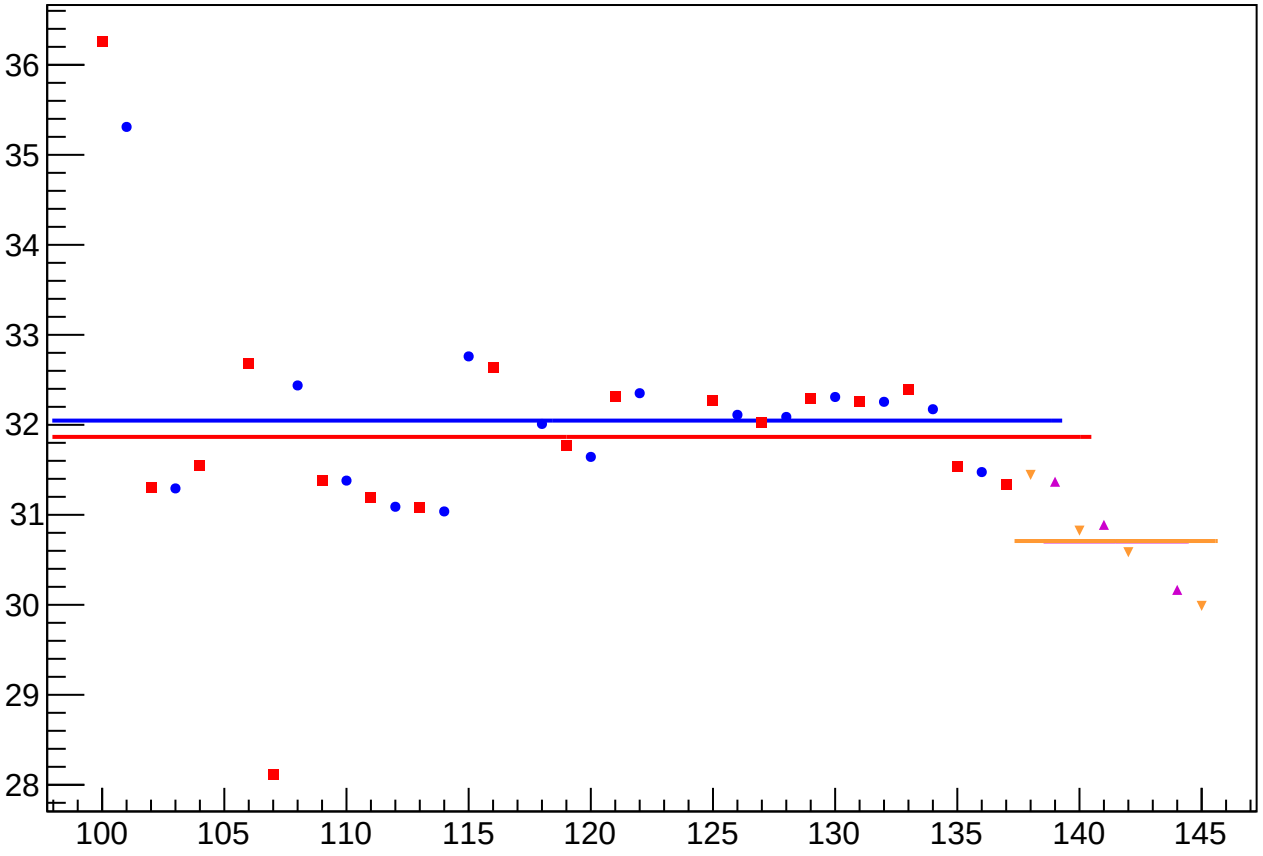
Left In: 0.000+/-0.000 χ^2/NDF:579329.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 3561249.3/19

All: 0.000+/-0.000 χ^2/NDF: 7057279.3/40

- sign 0.000+/-0.000 χ^2/NDF: 3477468.7/20

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

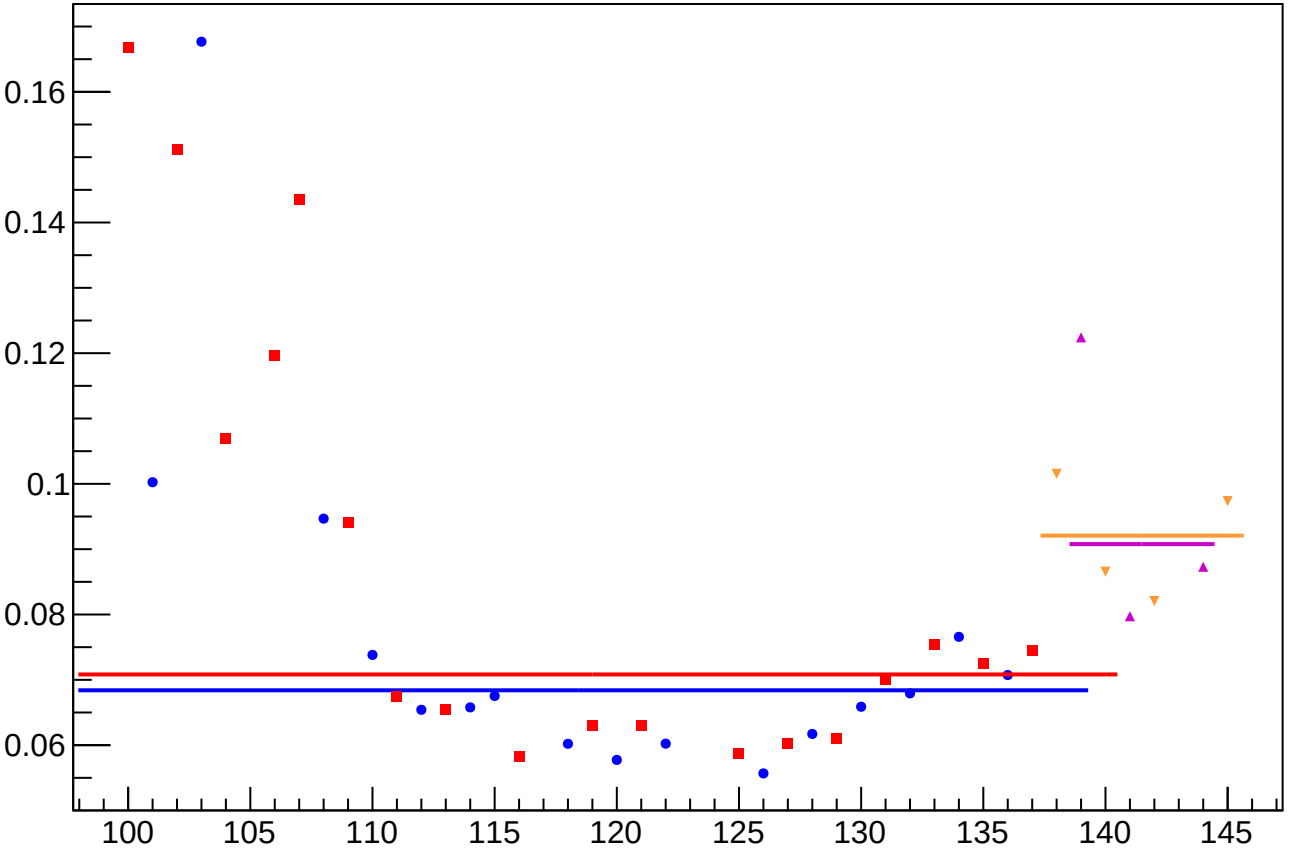
Left In: 30.704+/-0.000 χ^2/NDF:57540407.1/2

+ sign 31.804+/-0.000 χ^2/NDF: 1413139500.1/19

All: 31.733+/-0.000 χ^2/NDF: 2277853599.2/4

- sign 31.655+/-0.000 χ^2/NDF: 847234122.6/20

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

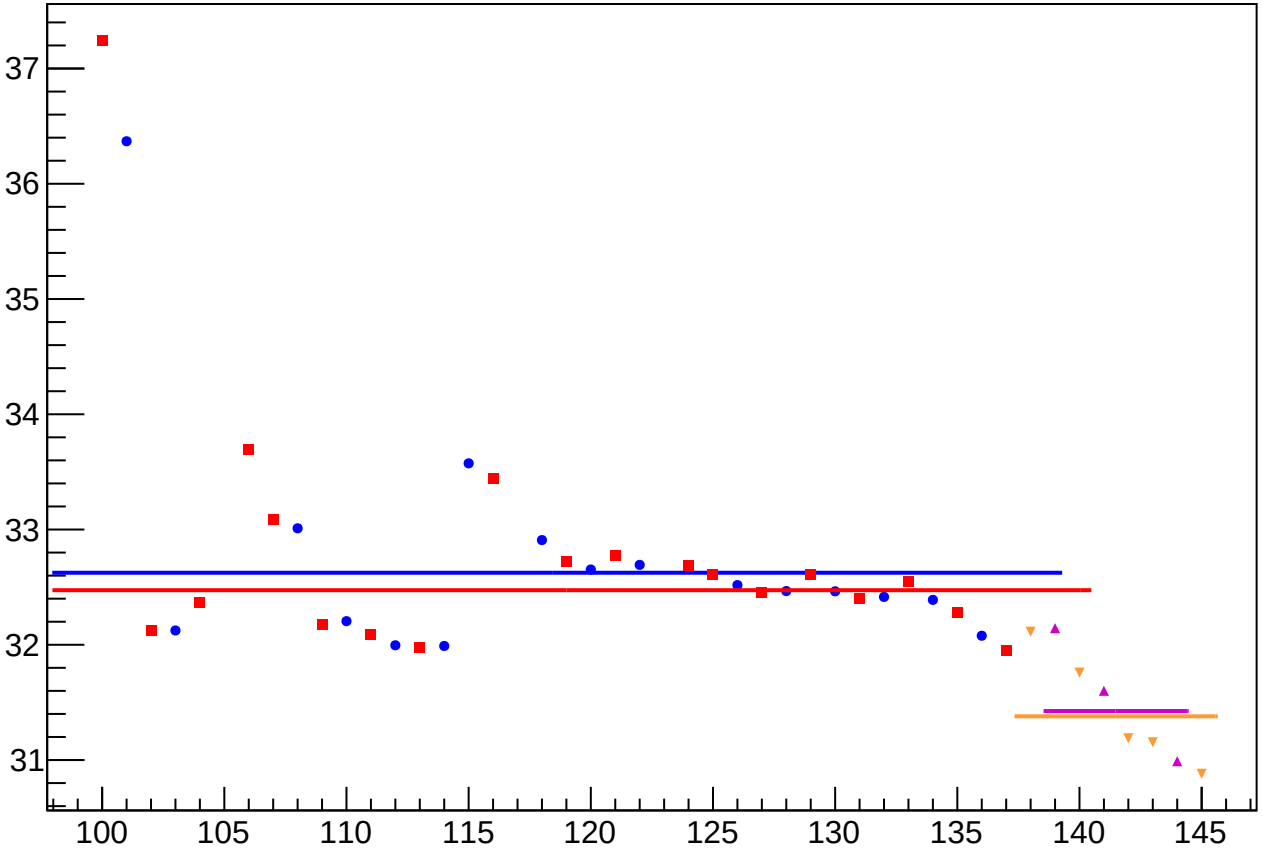
Left In: 0.091+/-0.000 χ^2/NDF:136392.0/2

+ sign 0.073+/-0.000 χ^2/NDF: 1008955.9/19

All: 0.074+/-0.000 χ^2/NDF: 2197703.5/40

- sign 0.074+/-0.000 χ^2/NDF: 1183927.8/20

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

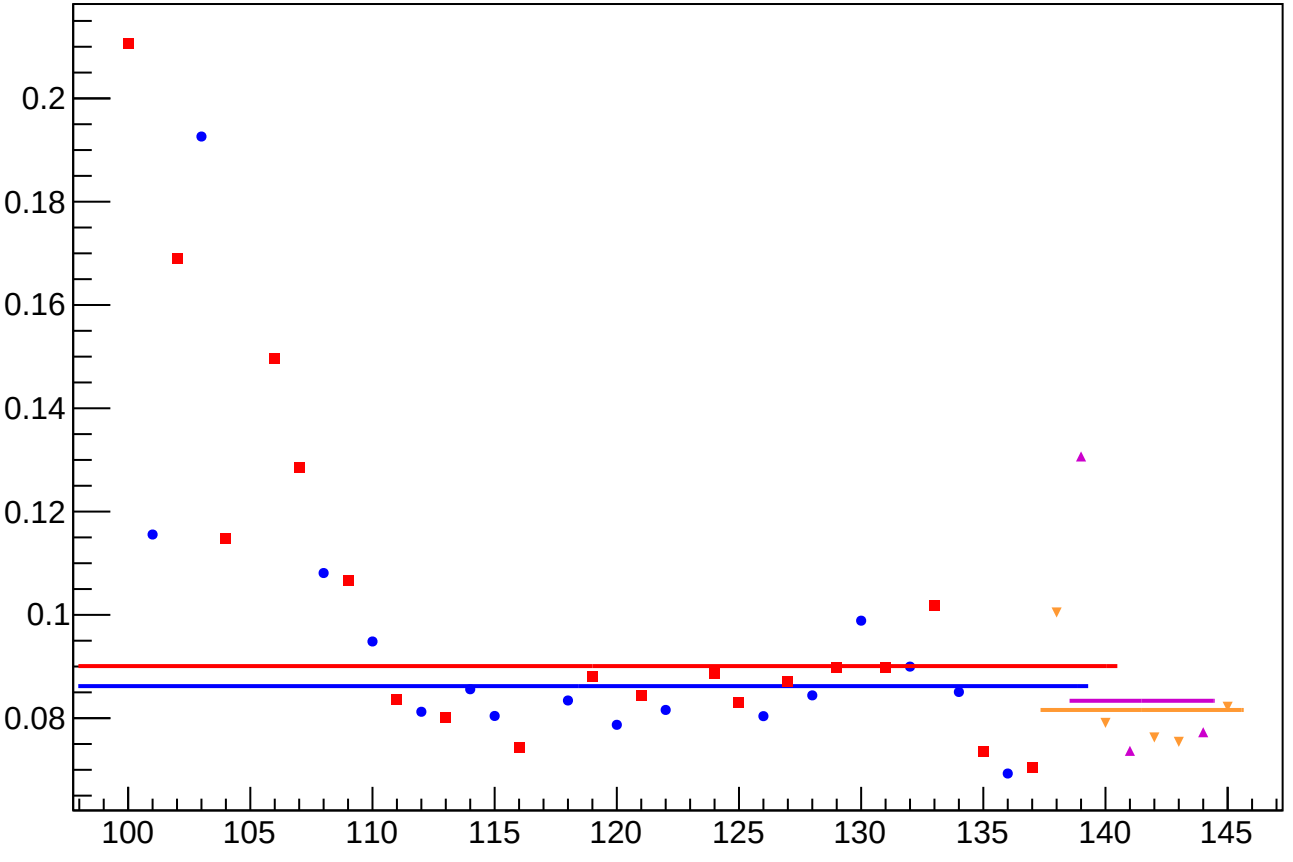
Left In: 31.425+/-0.000 χ^2/NDF:55406726.8/2

+ sign 32.173+/-0.000 χ^2/NDF: 1303995590.5/20

All: 32.169+/-0.000 χ^2/NDF: 1773889913.2/

- sign 32.164+/-0.000 χ^2/NDF: 469842956.5/21

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

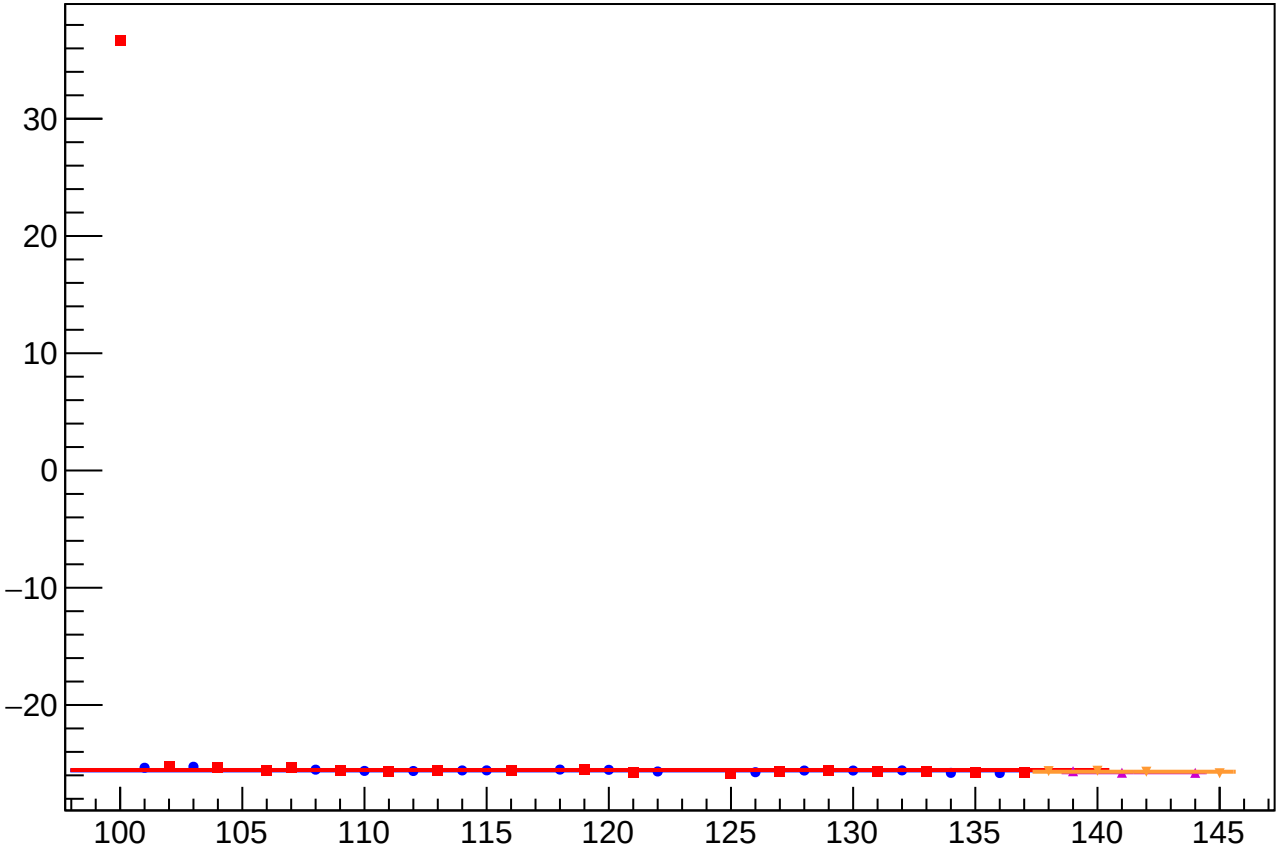
Left In: 0.083+/-0.000 χ^2/NDF:251877.5/2

+ sign 0.085+/-0.000 χ^2/NDF: 676980.4/20

All: 0.086+/-0.000 χ^2/NDF: 1587375.1/42

- sign 0.088+/-0.000 χ^2/NDF: 894876.3/21

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

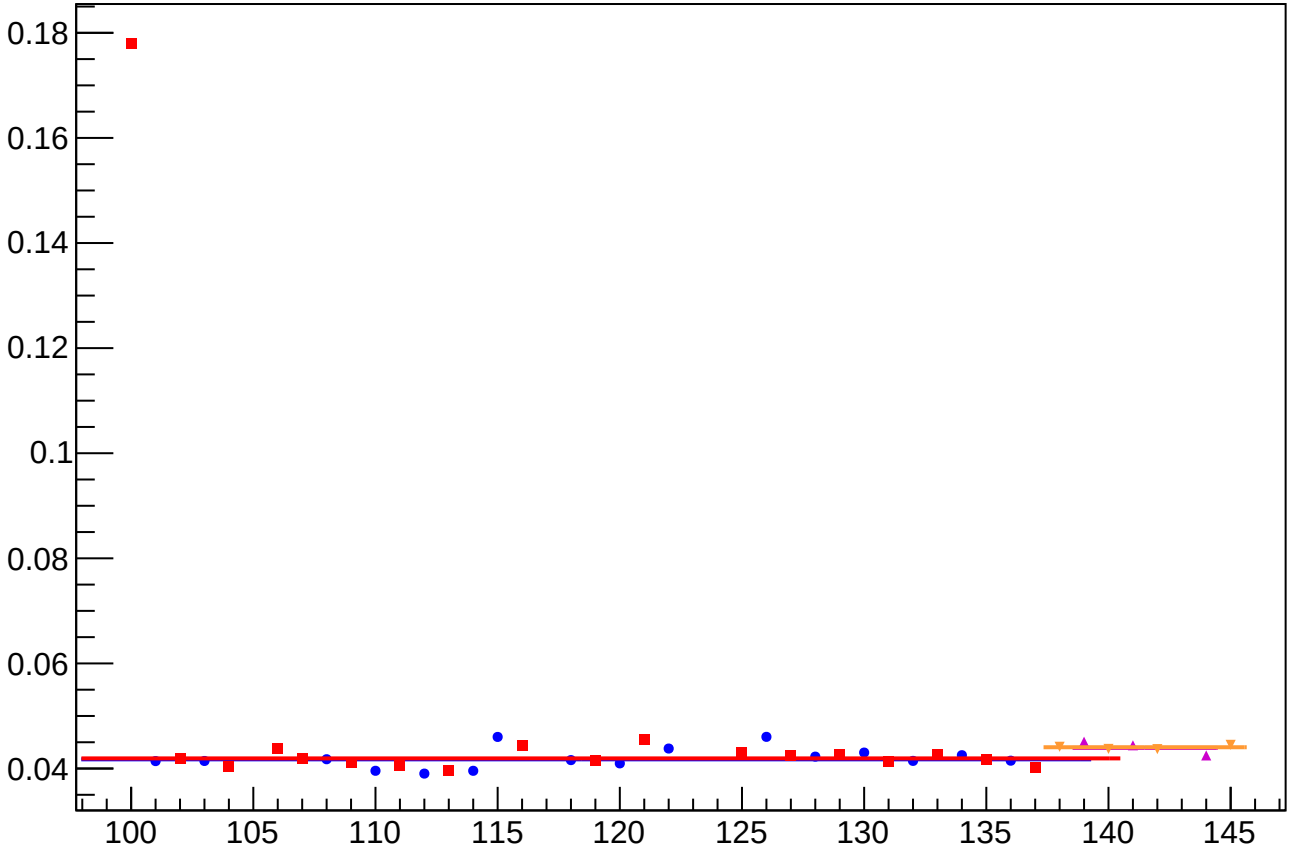
Left In: -25.739+/-0.000 χ^2/NDF:5131926.9/2

\+ sign -25.608+/-0.000 χ^2/NDF: 123096106.3/19

All: -25.600+/-0.000 χ^2/NDF: 9075089628.4/

\- sign -25.592+/-0.000 χ^2/NDF: 8951225977.2/20

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

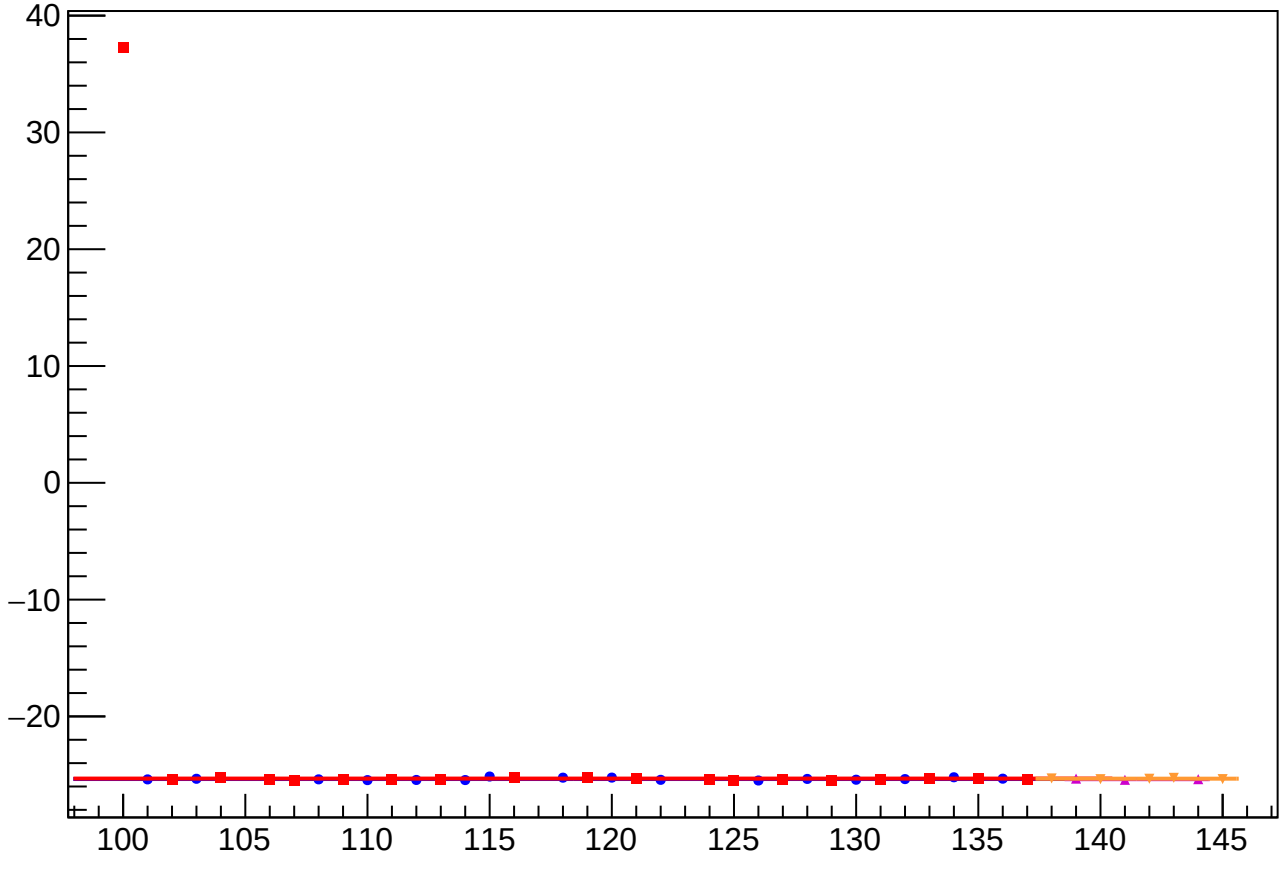
Left In: 0.044+/-0.000 χ^2/NDF:3373.2/2

\+ sign 0.042+/-0.000 χ^2/NDF: 32505.3/19

All: 0.042+/-0.000 χ^2/NDF: 144091.9/40

\- sign 0.042+/-0.000 χ^2/NDF: 111562.9/20

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

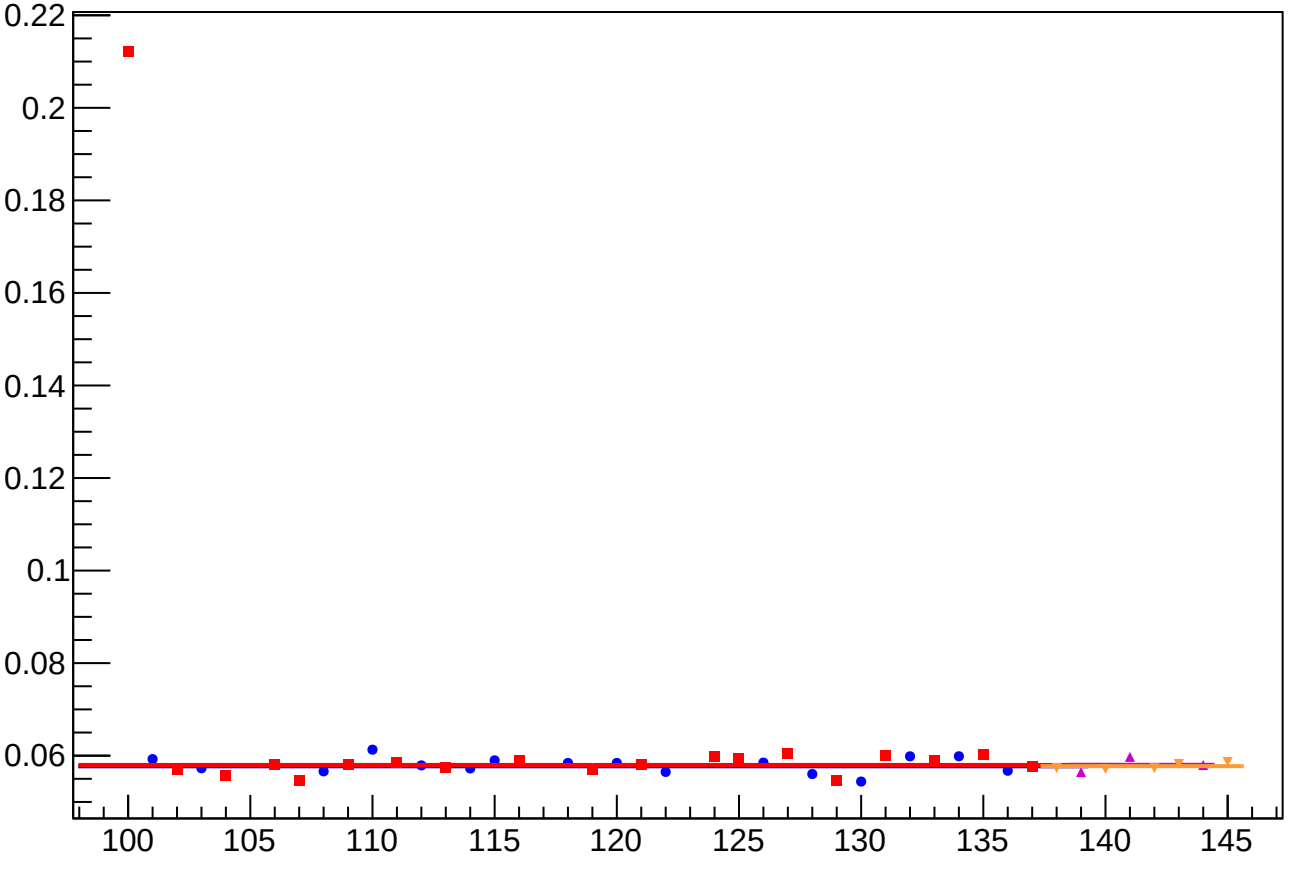
Left In: -25.373+/-0.000 χ^2/NDF:1261034.0/2

+ sign -25.350+/-0.000 χ^2/NDF: 15978772.5/20

All: -25.343+/-0.000 χ^2/NDF: 6339485317/

- sign -25.335+/-0.000 χ^2/NDF: 6317634747.8/21

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

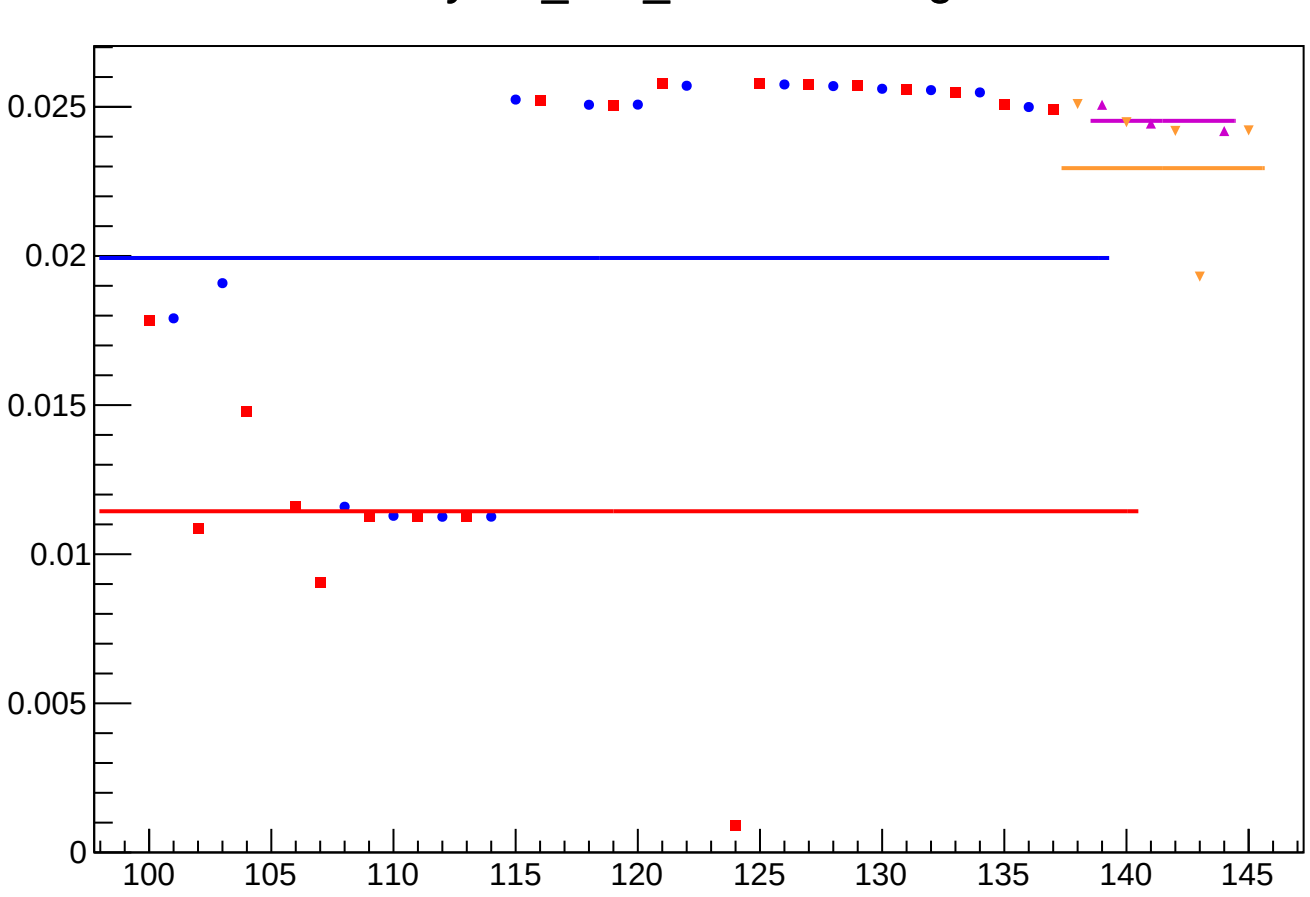
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:2667.0/2

+ sign 0.058+/-0.000 χ^2/NDF: 12552.9/20

All: 0.058+/-0.000 χ^2/NDF: 104160.7/42

- sign 0.058+/-0.000 χ^2/NDF: 91350.8/21



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

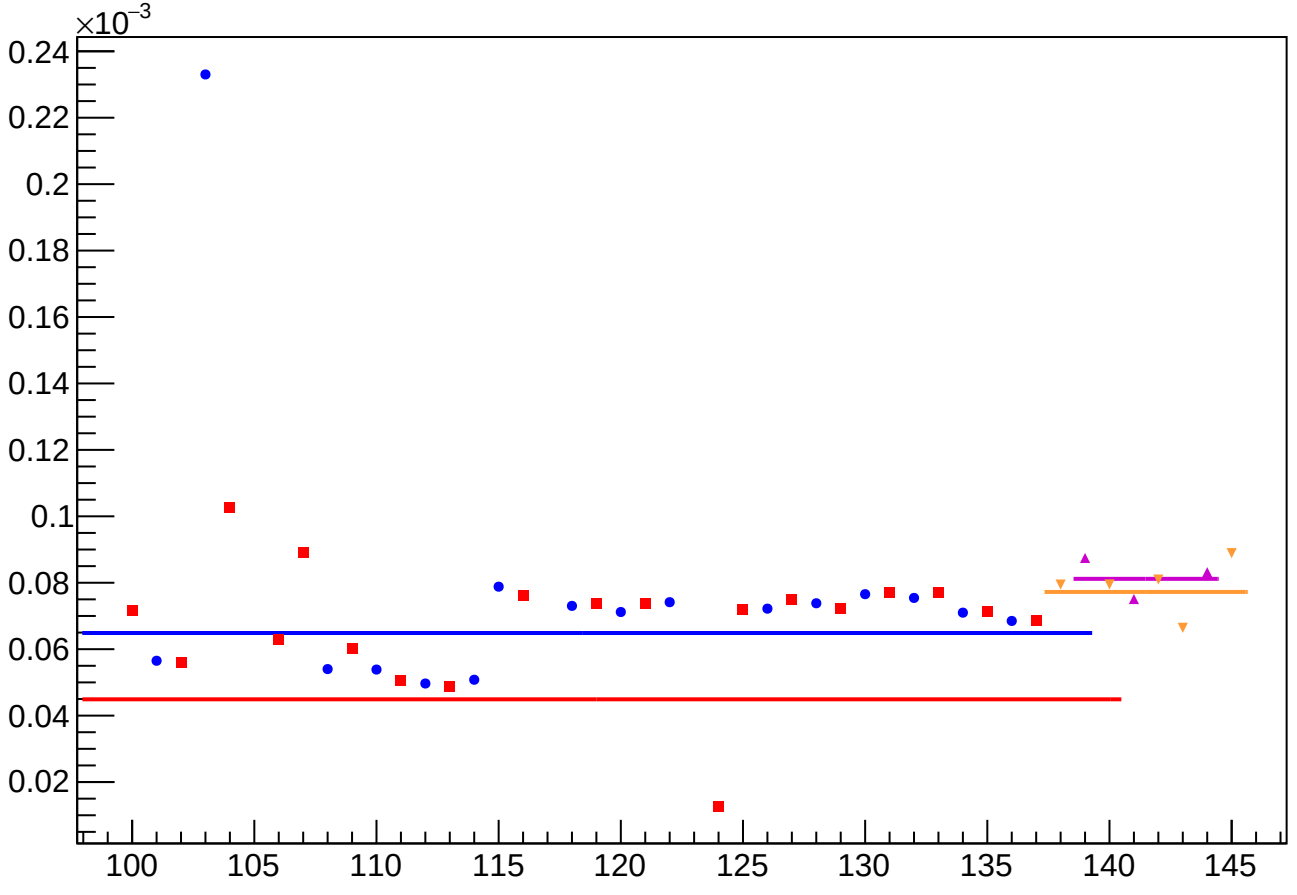
Left In: 0.025+/-0.000 χ^2/NDF:46434180.7/2

+ sign 0.021+/-0.000 χ^2/NDF: 69794001661.4/20

All: 0.016+/-0.000 χ^2/NDF: 451561514095.0

- sign 0.013+/-0.000 χ^2/NDF: 310699338814.0/21

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

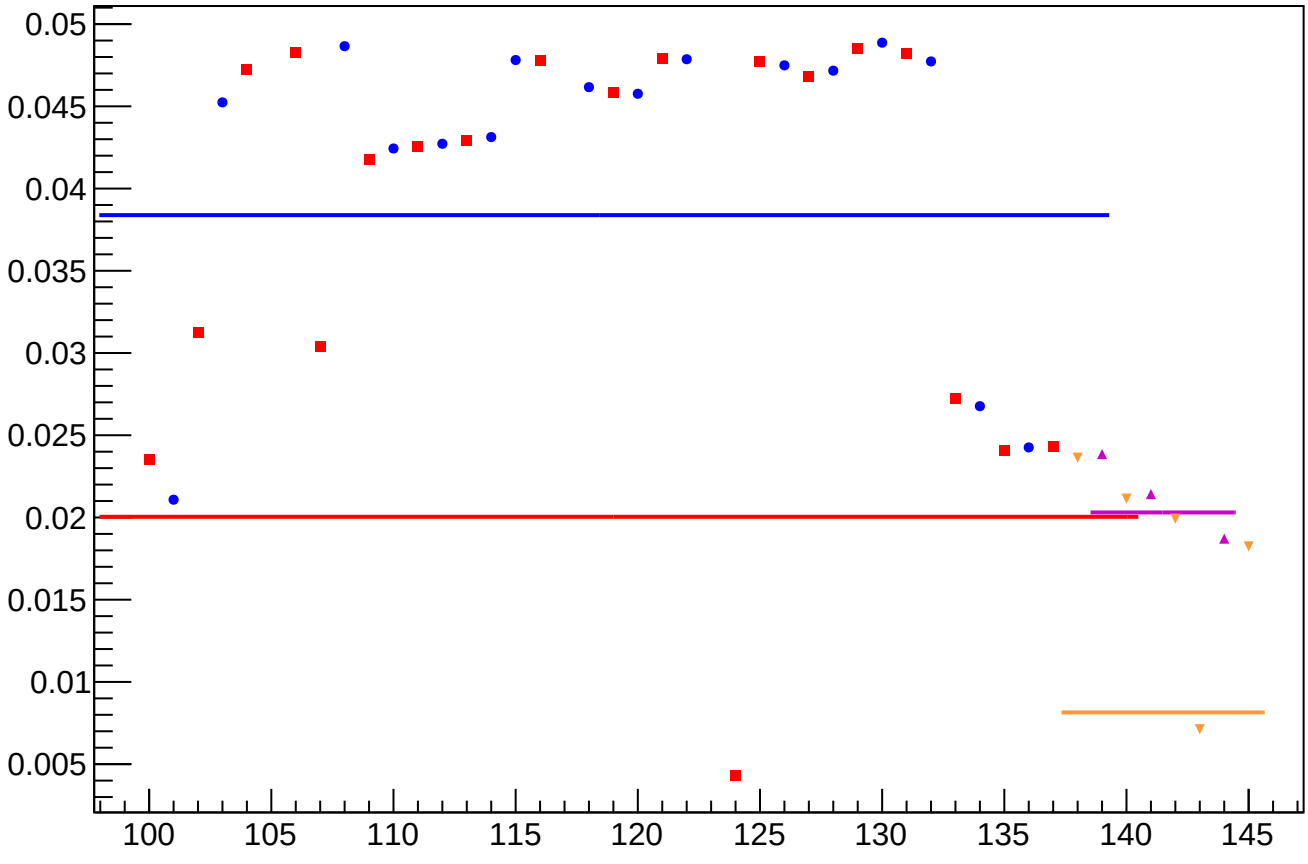
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

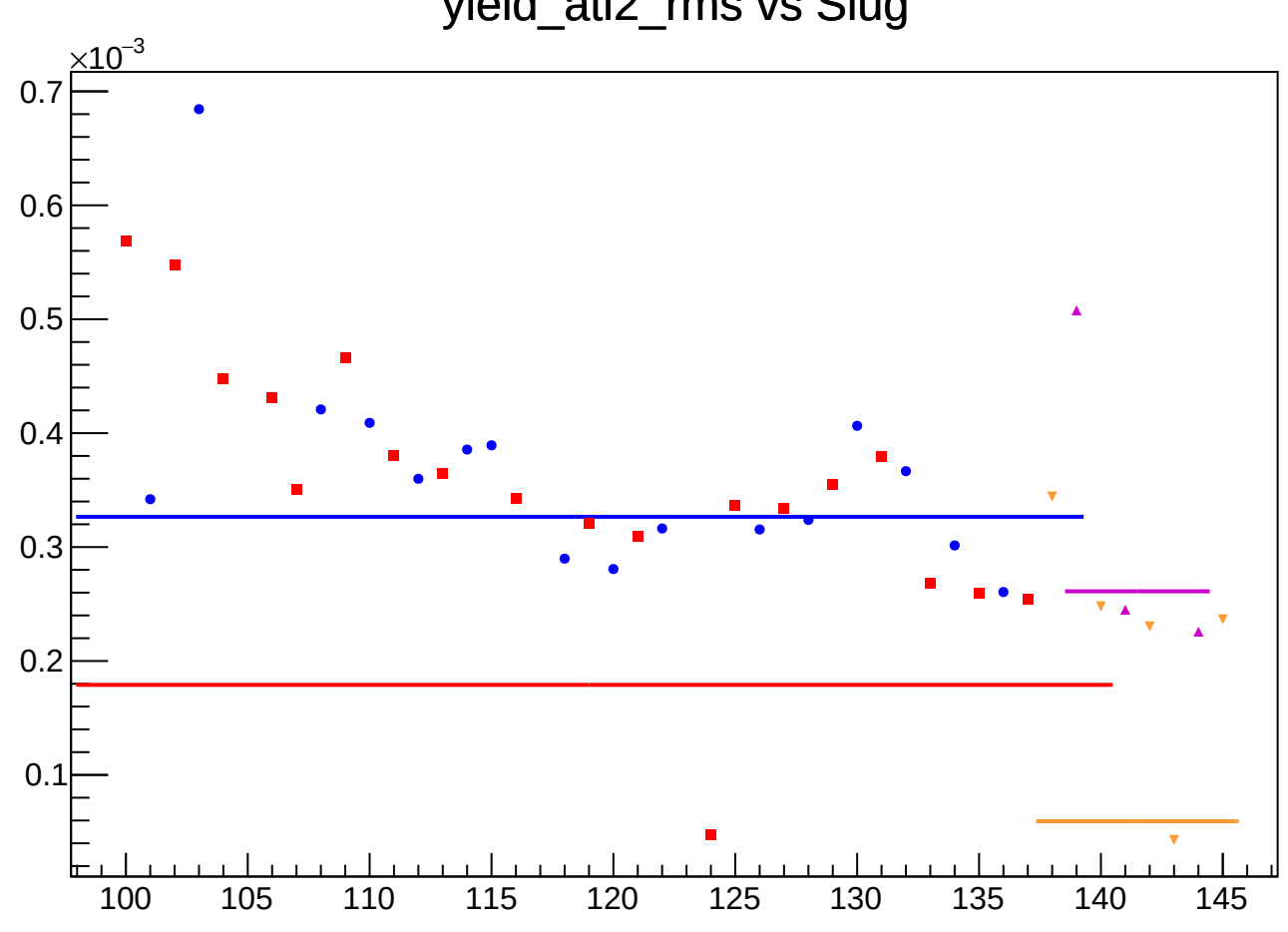
Left In: 0.000+/-0.000 χ^2/NDF:20429.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 1019666.8/20

All: 0.000+/-0.000 χ^2/NDF: 6532309.6/42

- sign 0.000+/-0.000 χ^2/NDF: 4662525.8/21


yield_atl2_mean vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
105
110
115
120
125
130
135
140
145
Right In: 0.038+/-0.000 χ²/NDF: 7078619233.3/15
Left Out: 0.008+/-0.000 χ²/NDF:5969047359.8/4
Right Out: 0.020+/-0.000 χ²/NDF: 42185025429.6/18
Left In: 0.020+/-0.000 χ²/NDF:95291161.2/2
+ sign 0.012+/-0.000 χ²/NDF: 61148731688.3/20
All: 0.013+/-0.000 χ²/NDF: 112203481742.0
- sign 0.020+/-0.000 χ²/NDF: 42282087498.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3164979.2/4

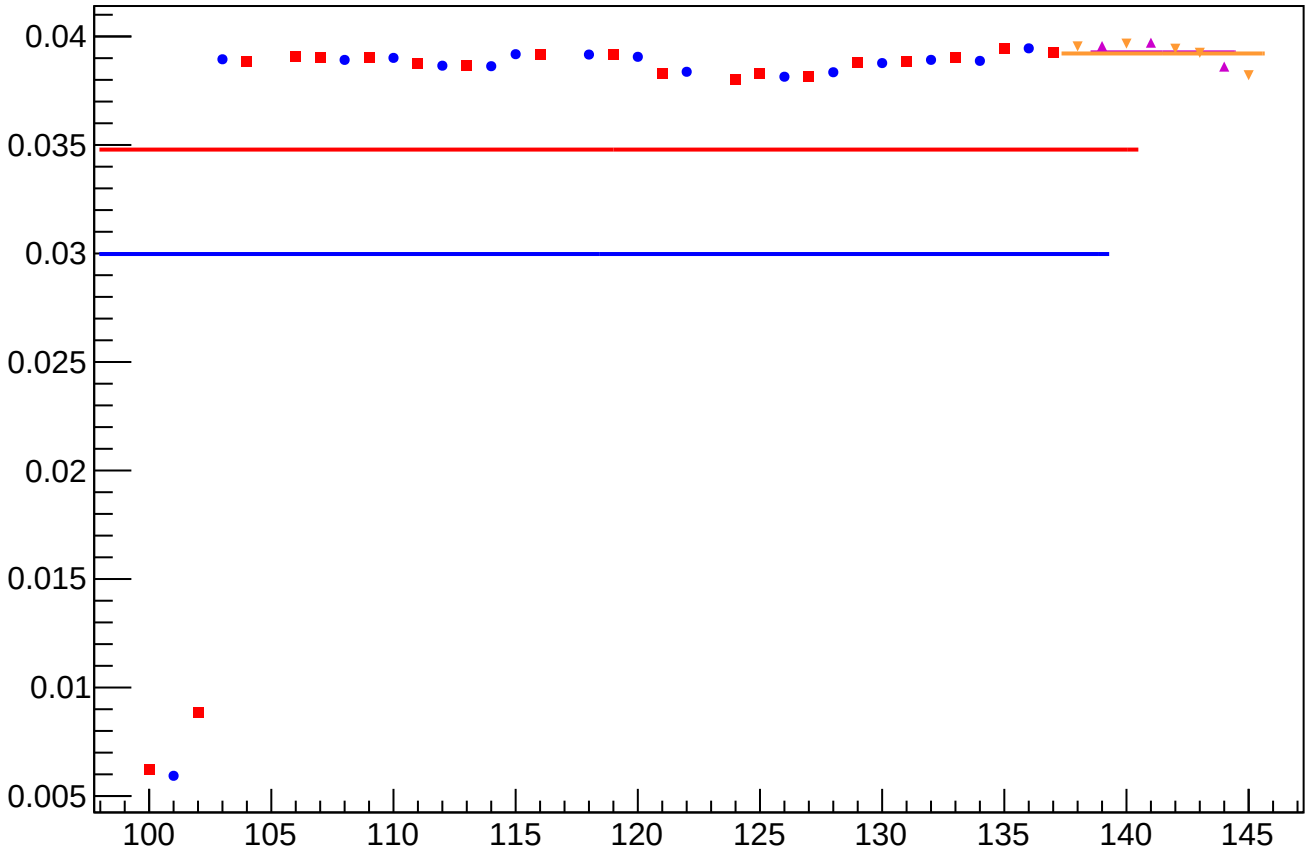
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:423828.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 11258408.5/20

All: 0.000+/-0.000 χ^2/NDF: 20403888.3/42

- sign 0.000+/-0.000 χ^2/NDF: 6424106.9/21



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:46871614.8/4

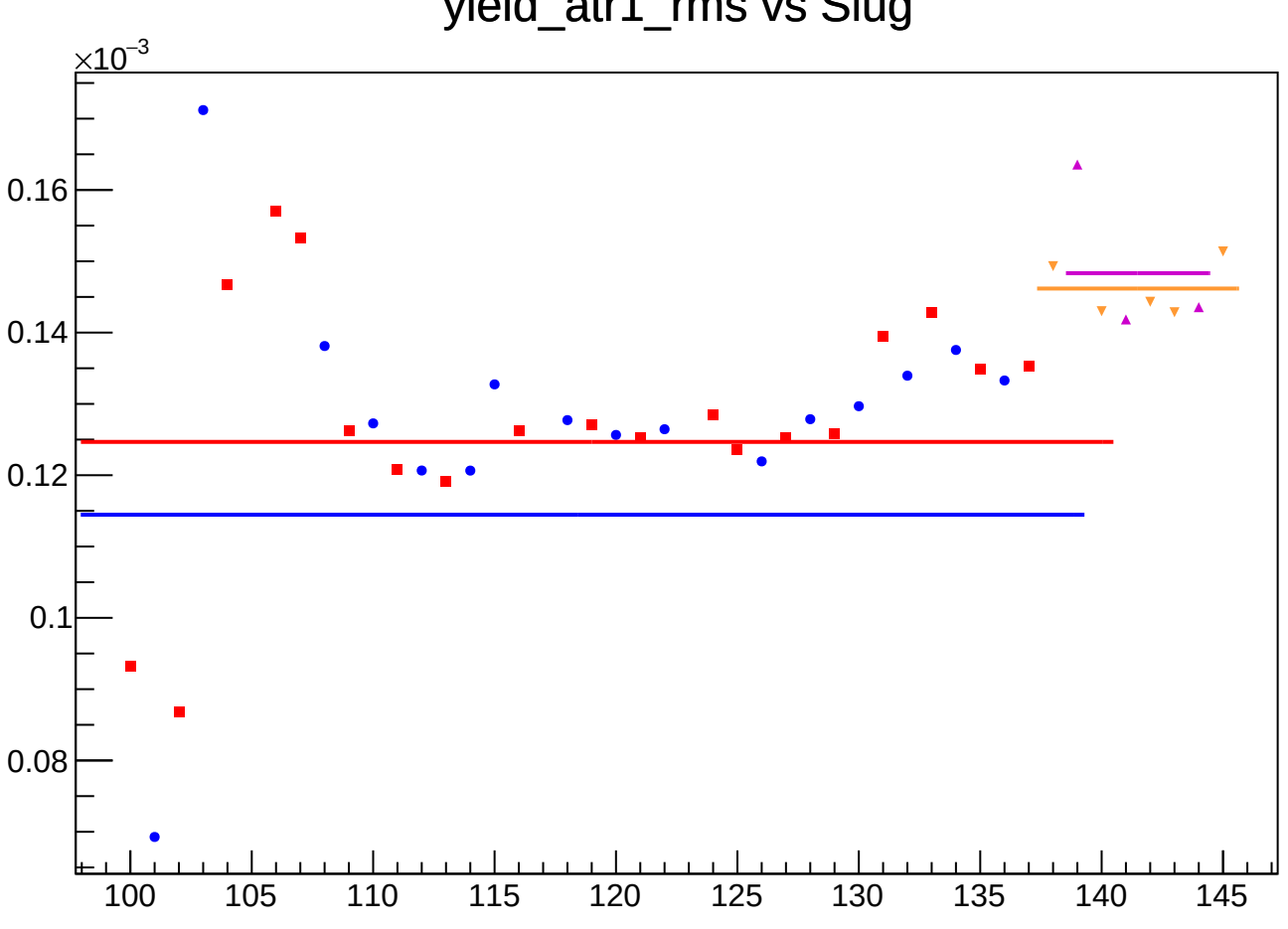
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:28952478.8/2

+ sign 0.032+/-0.000 χ^2/NDF: 118907388338.8/20

All: 0.034+/-0.000 χ^2/NDF: 171705190166.3

- sign 0.036+/-0.000 χ^2/NDF: 49120300387.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4259.6/4

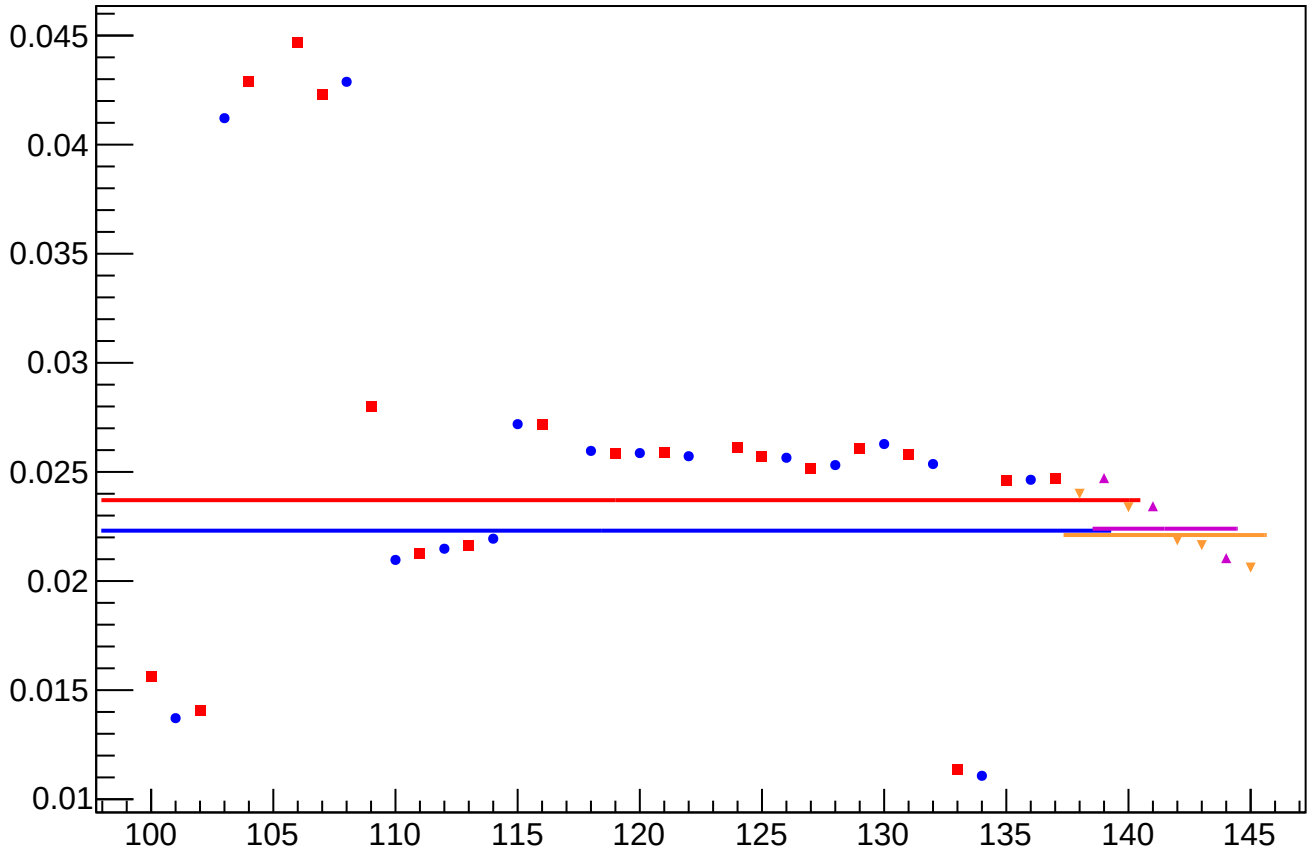
Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:19724.2/2

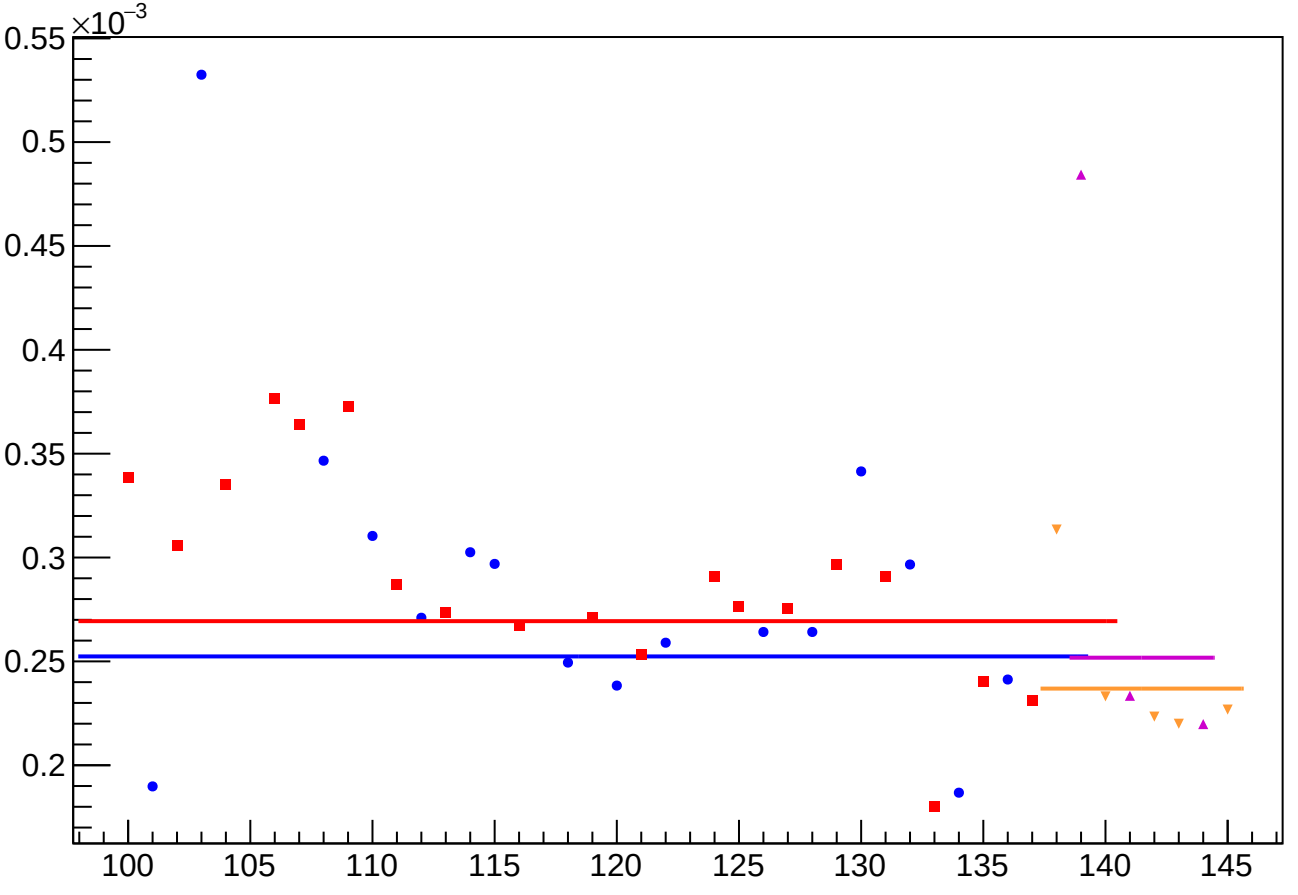
+ sign 0.000+/-0.000 χ^2/NDF: 1106785.4/20

All: 0.000+/-0.000 χ^2/NDF: 1521385.9/42

- sign 0.000+/-0.000 χ^2/NDF: 382085.5/21


yield_atr2_mean vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
105
110
115
120
125
130
135
140
145
Right In: 0.022+/-0.000 χ²/NDF: 5012486114.6/15
Left Out: 0.022+/-0.000 χ²/NDF:78543566.5/4
Right Out: 0.024+/-0.000 χ²/NDF: 5581865088.7/18
Left In: 0.022+/-0.000 χ²/NDF:64616496.8/2
+ sign 0.022+/-0.000 χ²/NDF: 5092442530.4/20
All: 0.023+/-0.000 χ²/NDF: 10864997069.0/4
- sign 0.023+/-0.000 χ²/NDF: 5689248217.0/21

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

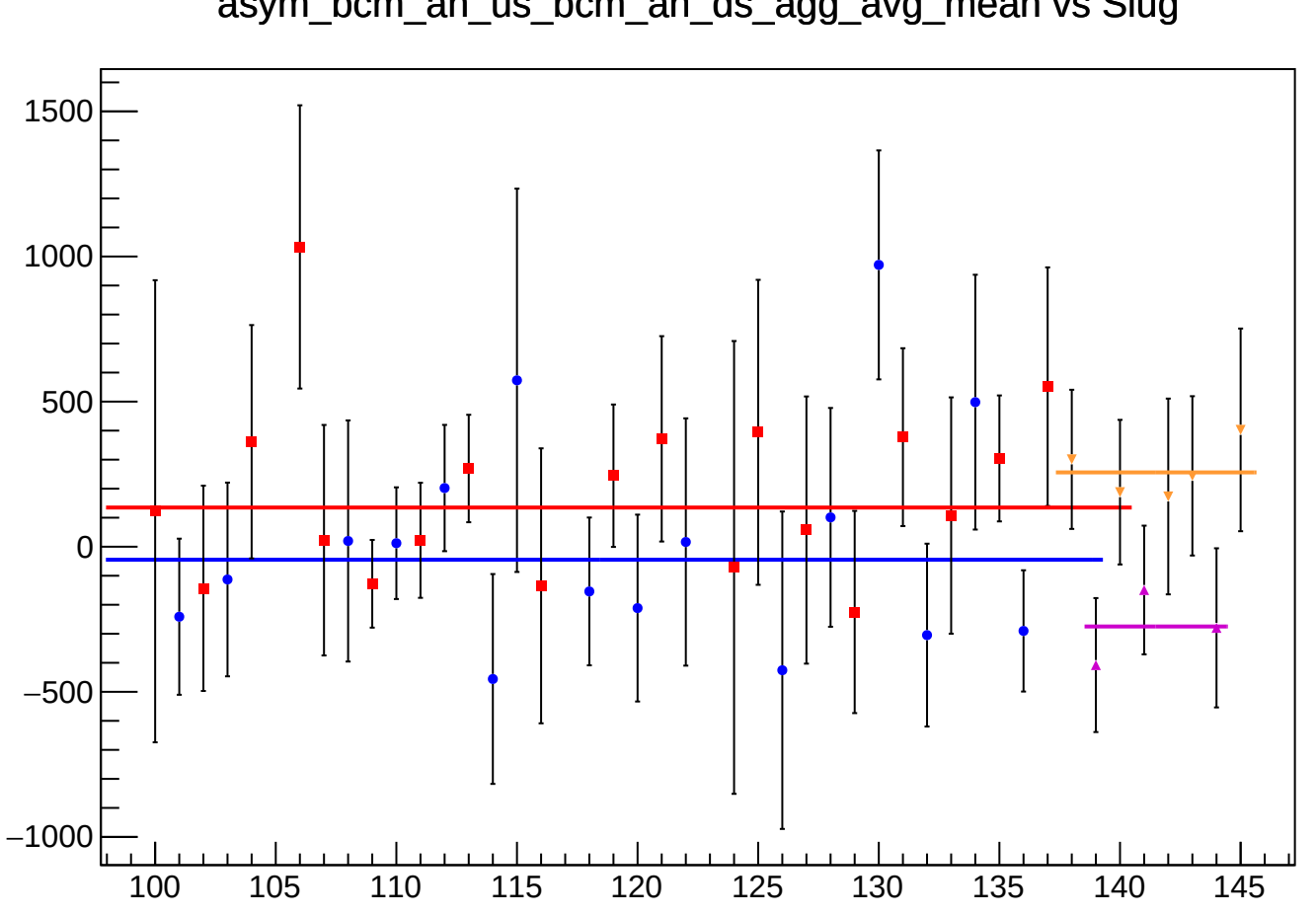
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:418453.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 819956.1/20

All: 0.000+/-0.000 χ^2/NDF: 1742684.8/42

- sign 0.000+/-0.000 χ^2/NDF: 880304.6/21



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 256.049+/-125.223 χ^2/NDF:0.3/4

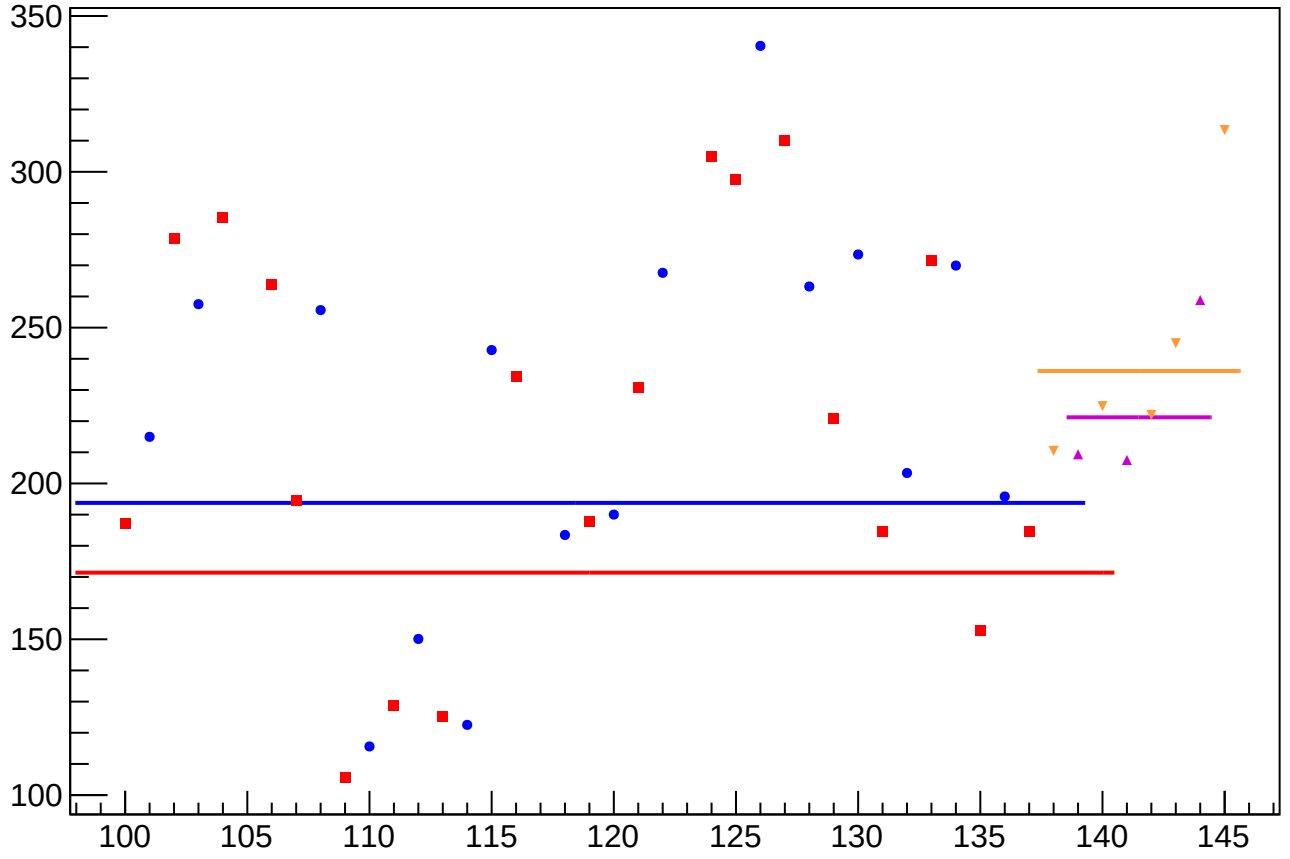
Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: -274.873+/-138.122 χ^2/NDF:0.7/2

\+ sign 36.409+/-65.094 χ^2/NDF: 20.0/20

All: 46.256+/-44.531 χ^2/NDF: 40.7/42

\- sign 54.917+/-61.052 χ^2/NDF: 20.7/21



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 236.097+/-0.089 χ^2/NDF:130586.9/4

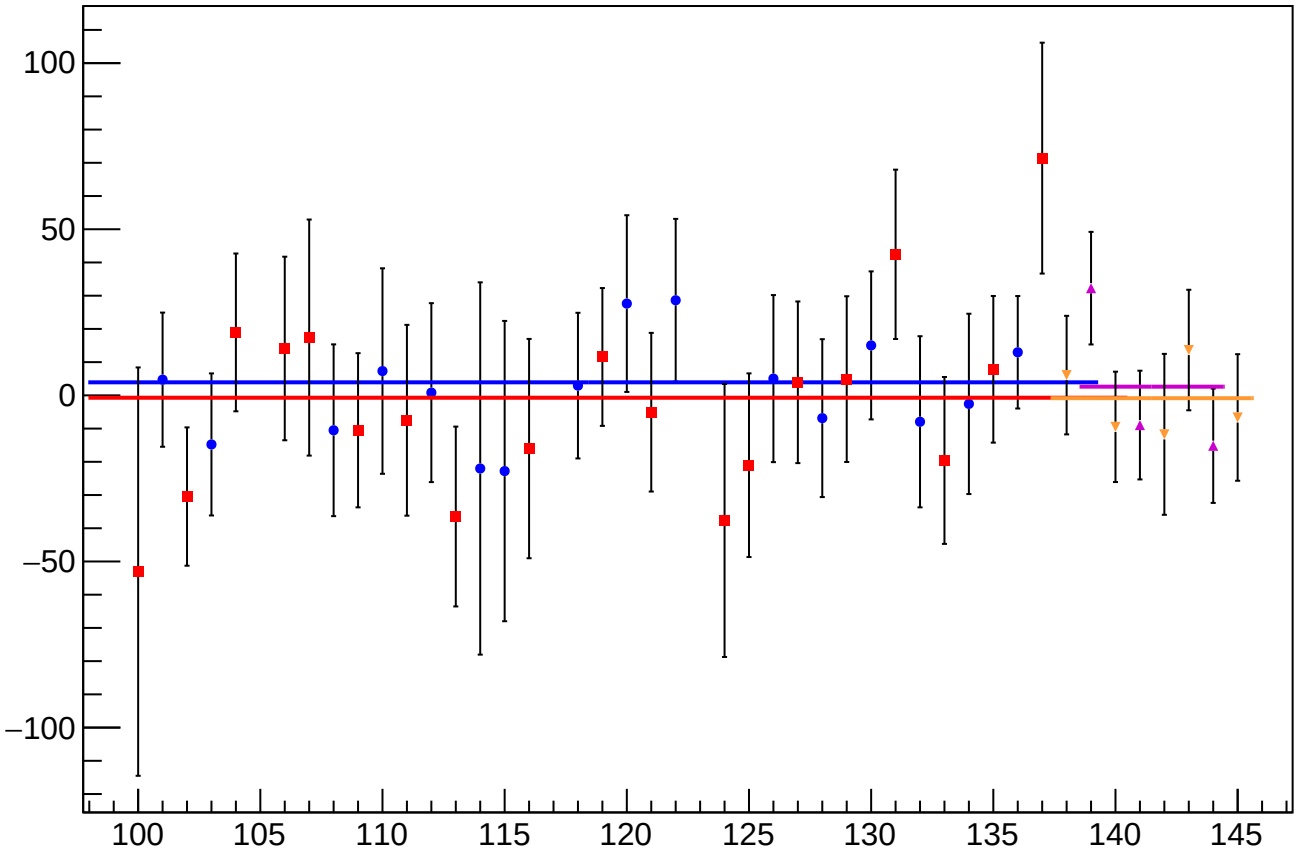
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 221.218+/-0.098 χ^2/NDF:50583.0/2

+ sign 205.206+/-0.046 χ^2/NDF: 1345455.4/20

All: 192.391+/-0.031 χ^2/NDF: 3409309.9/42

- sign 181.119+/-0.043 χ^2/NDF: 1918164.1/21



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

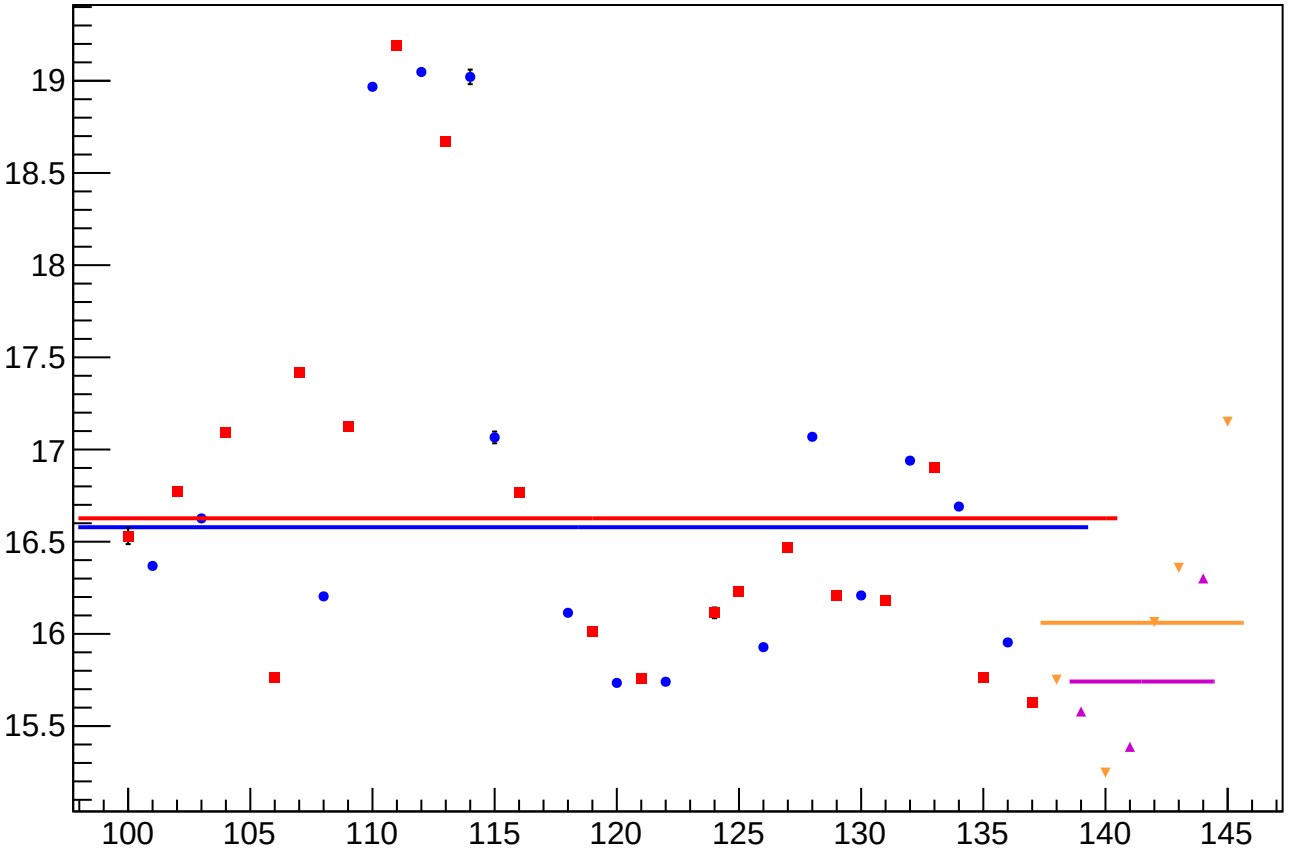
Left In: 2.619+/-9.715 χ^2/NDF:4.6/2

\+ sign 2.243+/-4.968 χ^2/NDF: 6.1/20

All: 1.270+/-3.576 χ^2/NDF: 26.8/42

\- sign 0.223+/-5.152 χ^2/NDF: 20.6/21

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

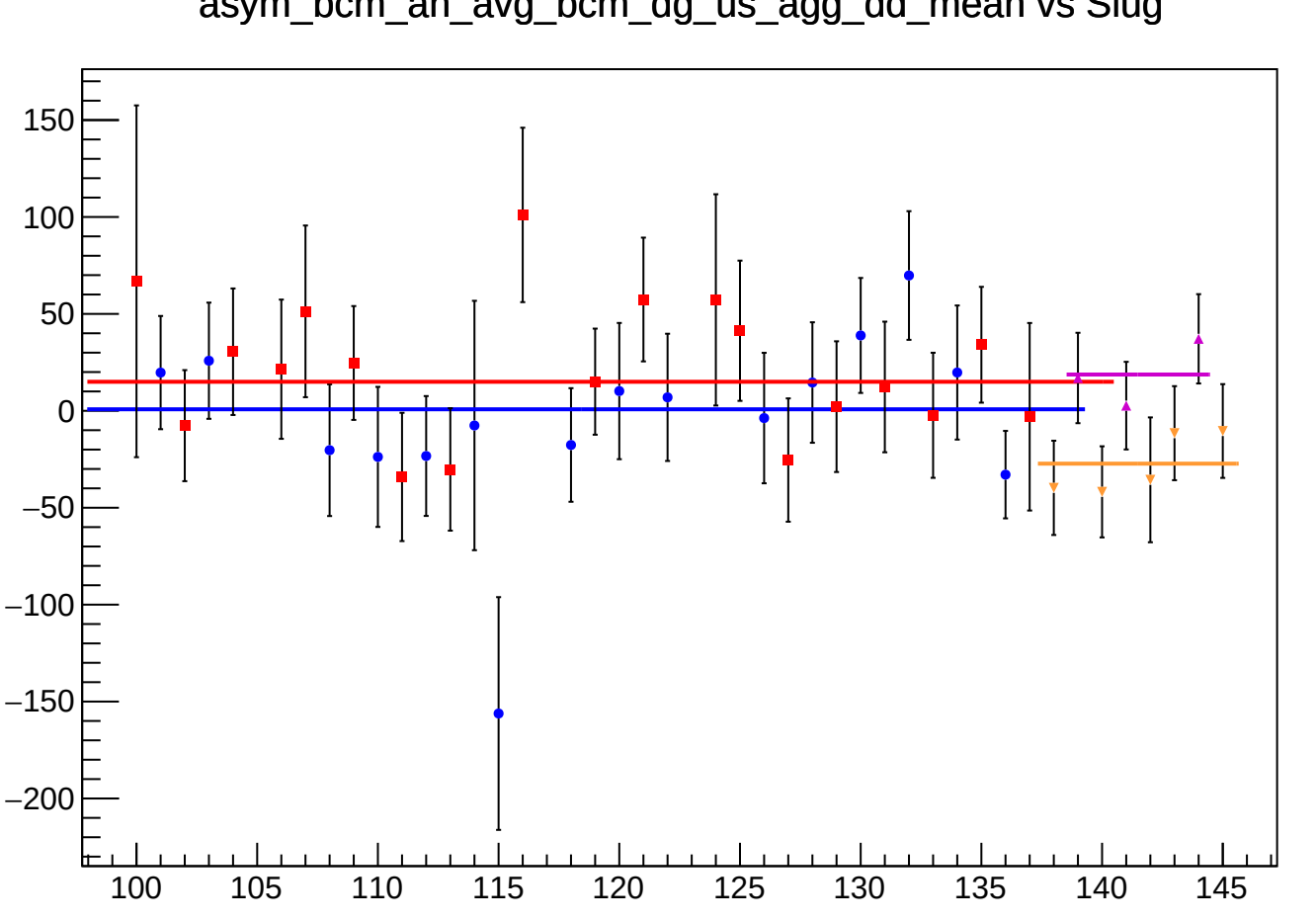
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.742+/-0.007 χ^2/NDF:3233.9/2

+ sign 16.396+/-0.004 χ^2/NDF: 62019.0/20

All: 16.387+/-0.003 χ^2/NDF: 120664.8/42

- sign 16.378+/-0.004 χ^2/NDF: 58632.8/21



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

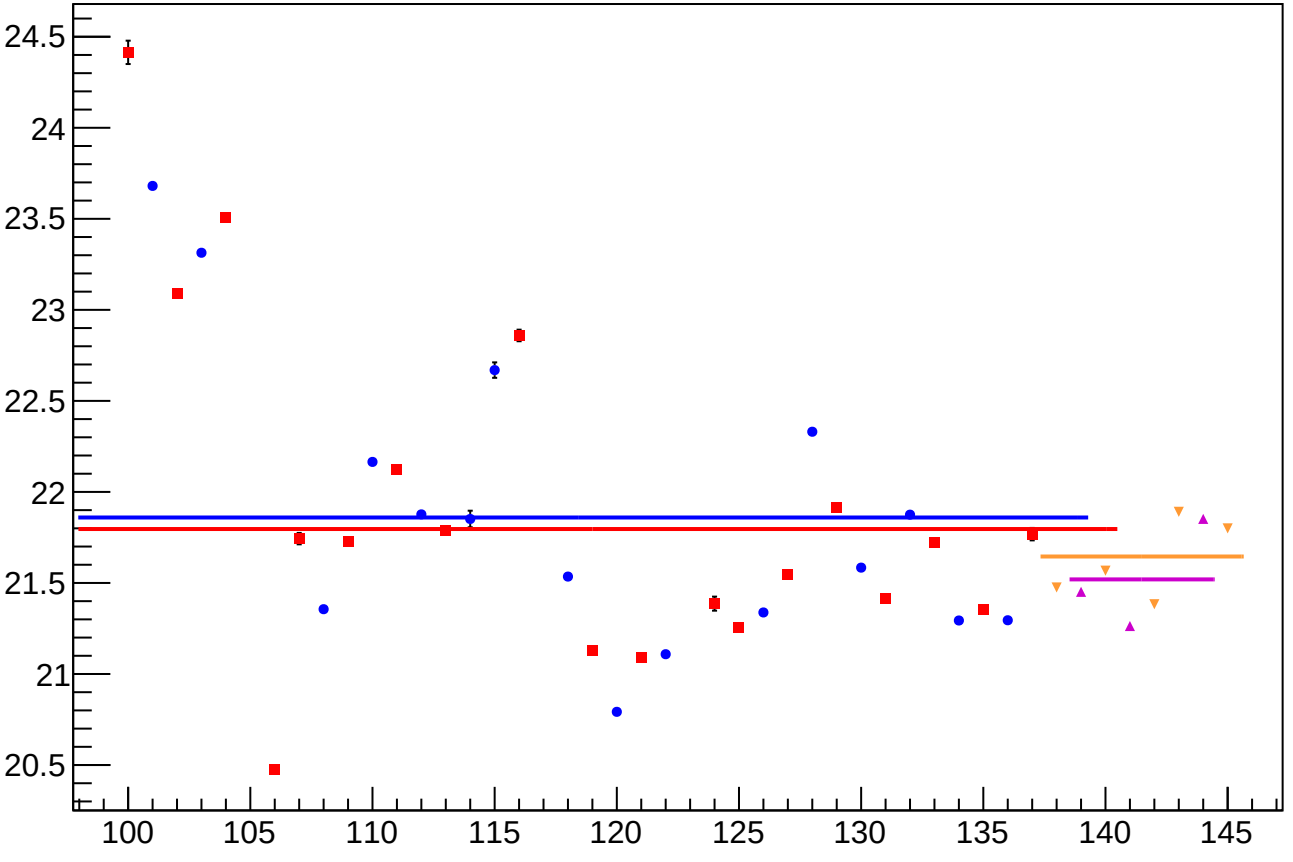
Left In: 18.725+/-13.269 χ^2/NDF:1.1/2

\+ sign -8.804+/-6.590 χ^2/NDF: 24.3/20

All: 3.156+/-4.740 χ^2/NDF: 47.8/42

\- sign 15.971+/-6.822 χ^2/NDF: 16.6/21

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

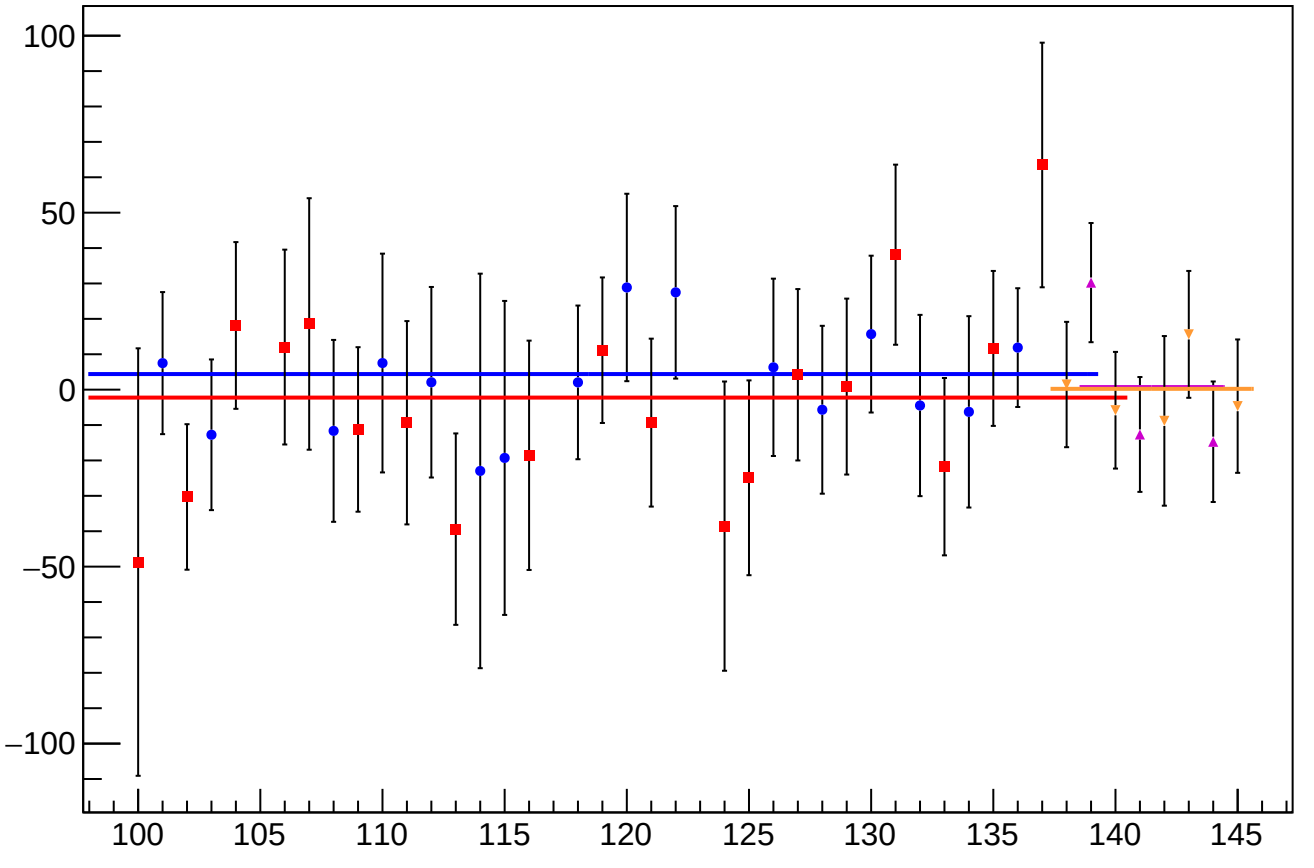
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.520+/-0.009 χ^2/NDF:690.0/2

+ sign 21.786+/-0.005 χ^2/NDF: 20482.5/20

All: 21.756+/-0.003 χ^2/NDF: 40762.3/42

- sign 21.723+/-0.005 χ^2/NDF: 20191.1/21



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.230+/-8.293 χ^2/NDF:1.1/4

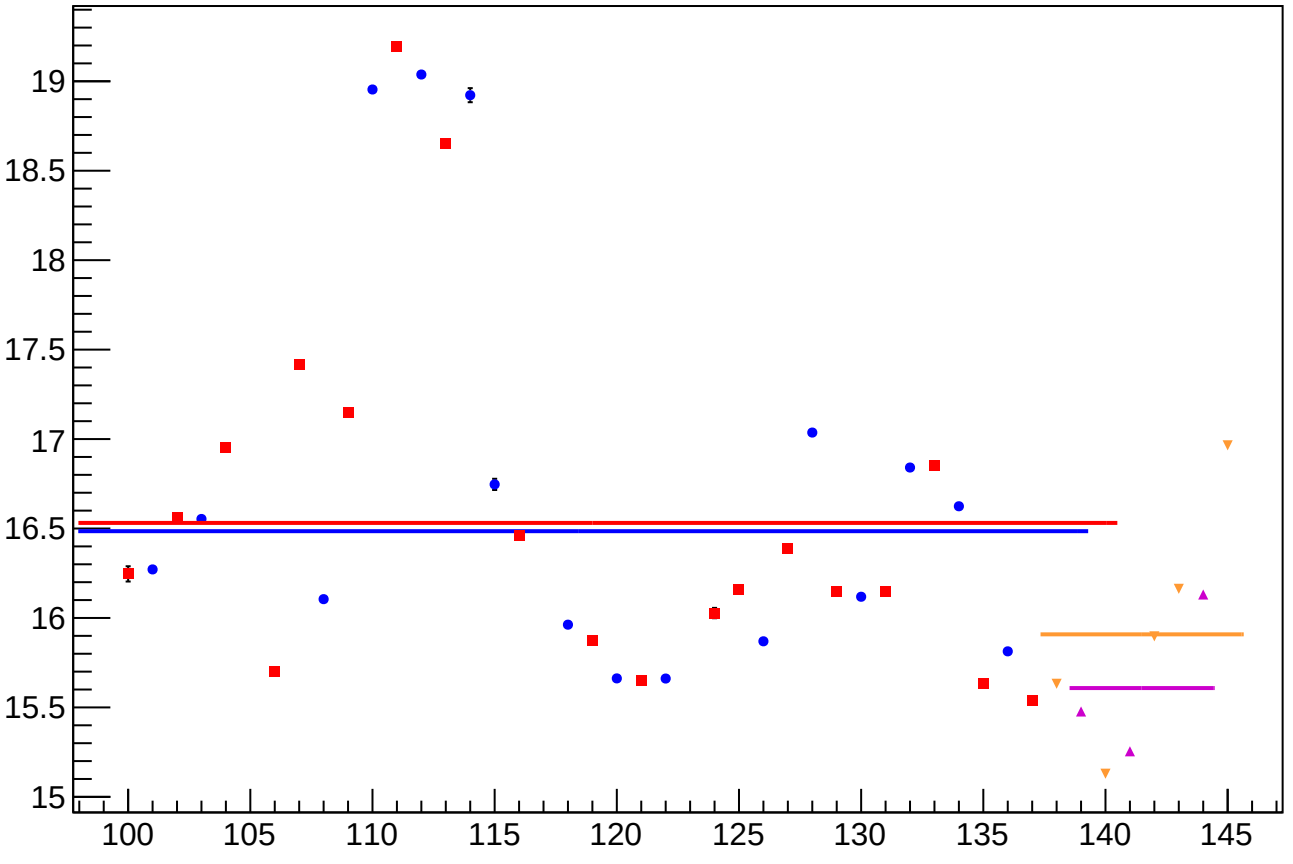
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.727+/-9.633 χ^2/NDF:4.6/2

+ sign 2.927+/-4.933 χ^2/NDF: 5.5/20

All: 0.841+/-3.552 χ^2/NDF: 25.9/42

- sign -1.405+/-5.119 χ^2/NDF: 20.0/21



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.908+/-0.006 χ^2/NDF:11646.9/4

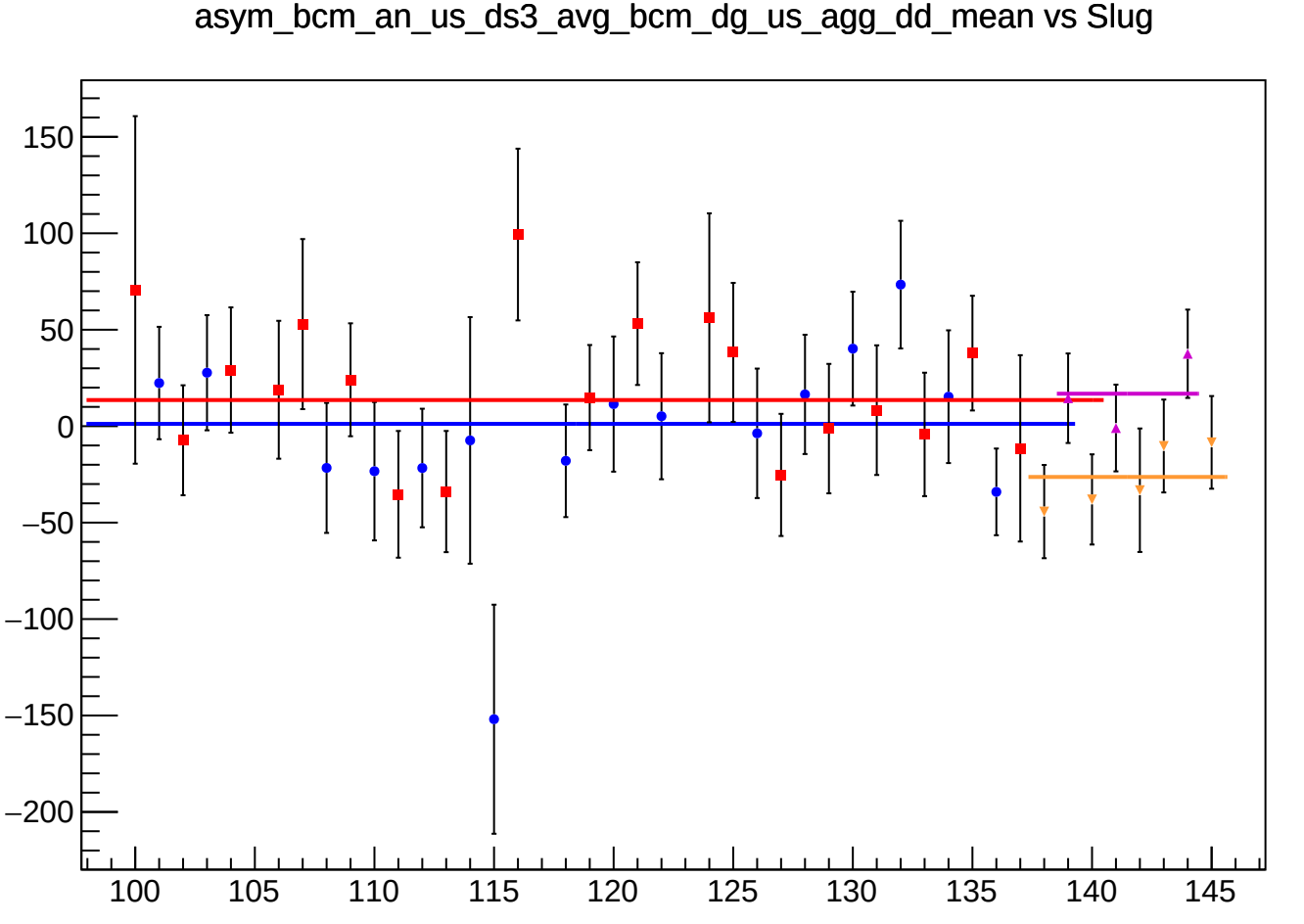
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.608+/-0.007 χ^2/NDF:2956.9/2

+ sign 16.281+/-0.003 χ^2/NDF: 65082.4/20

All: 16.276+/-0.003 χ^2/NDF: 127698.7/42

- sign 16.271+/-0.004 χ^2/NDF: 62612.0/21



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -26.332+/-11.198 χ^2/NDF:1.8/4

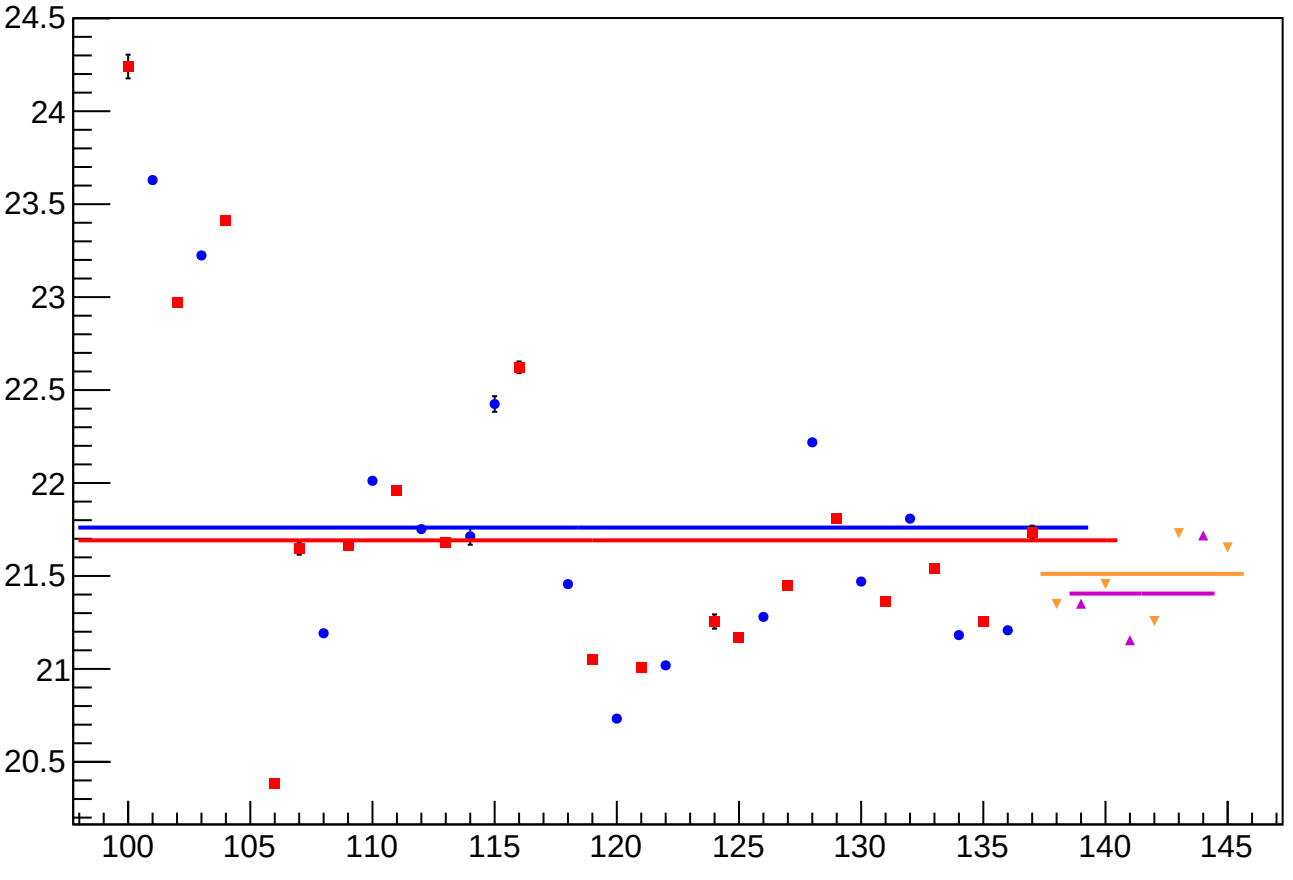
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 16.828+/-13.198 χ^2/NDF:1.5/2

\+ sign -8.248+/-6.557 χ^2/NDF: 25.2/20

All: 2.691+/-4.716 χ^2/NDF: 48.4/42

\- sign 14.416+/-6.788 χ^2/NDF: 17.4/21



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

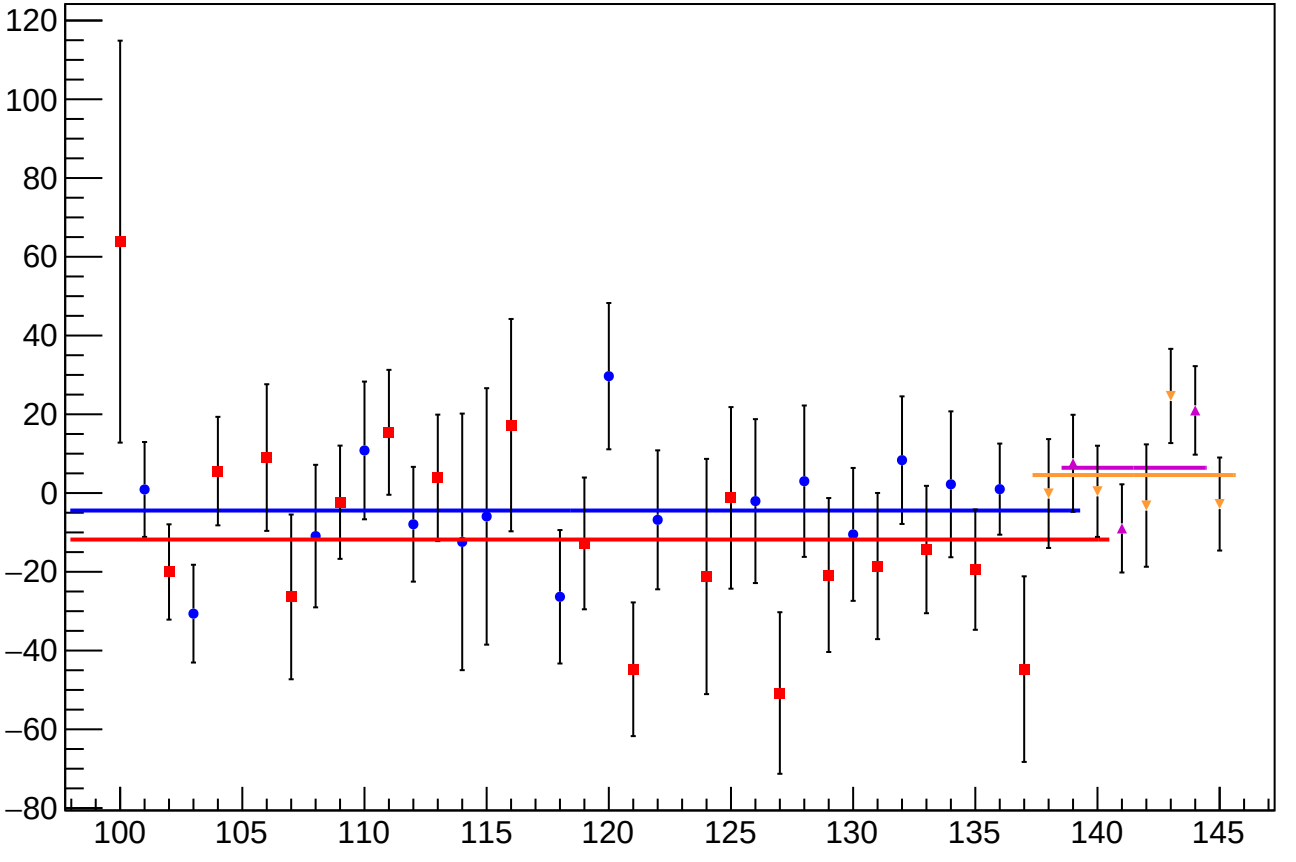
Left In: 21.405+/-0.009 χ^2/NDF:633.1/2

\+ sign 21.675+/-0.005 χ^2/NDF: 20858.0/20

All: 21.646+/-0.003 χ^2/NDF: 40592.5/42

\- sign 21.616+/-0.005 χ^2/NDF: 19656.3/21

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 4.573+/-5.681 χ^2/NDF:3.7/4

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

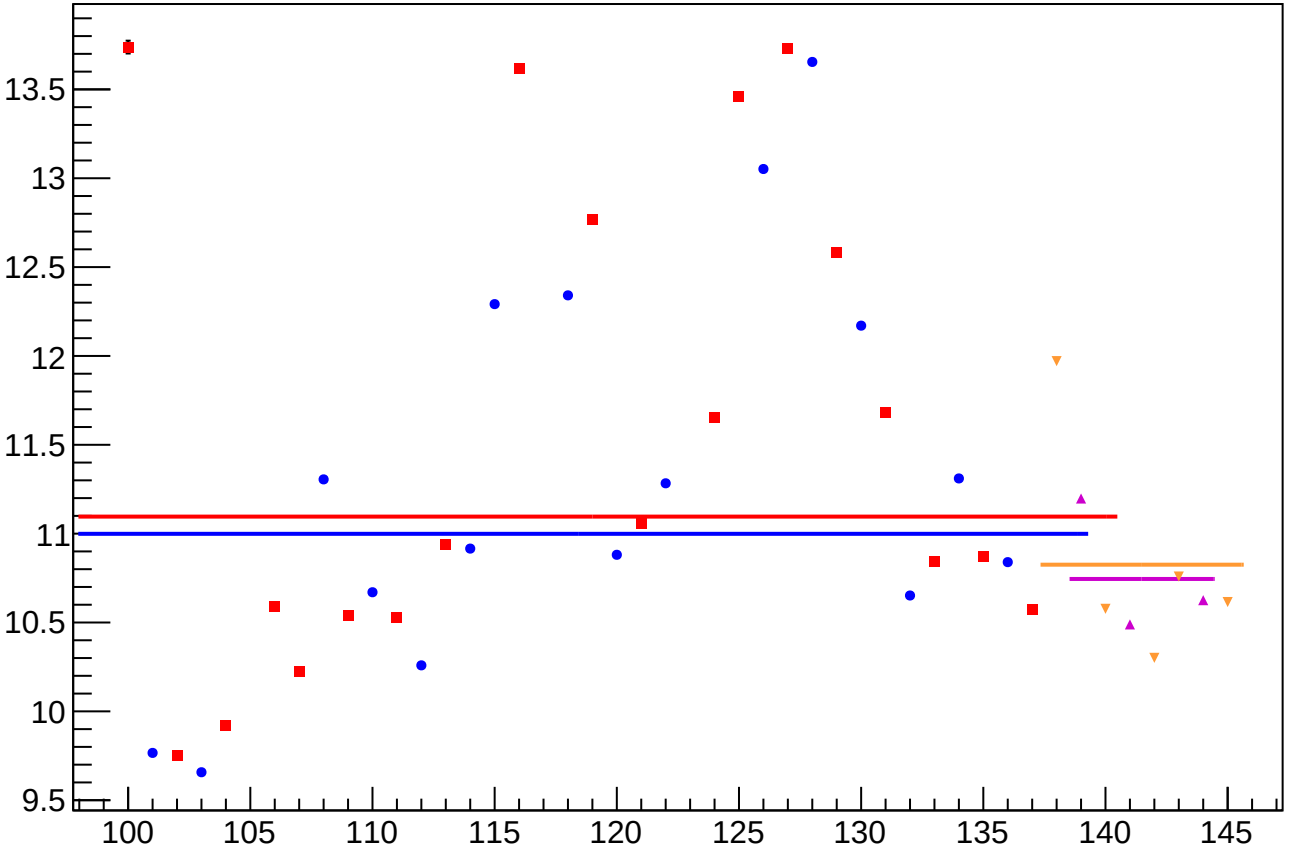
Left In: 6.419+/-6.670 χ^2/NDF:3.6/2

+ sign -1.323+/-3.341 χ^2/NDF: 17.3/20

All: -3.947+/-2.414 χ^2/NDF: 49.4/42

- sign -6.814+/-3.491 χ^2/NDF: 30.7/21

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.825+/-0.004 χ^2/NDF:17628.9/4

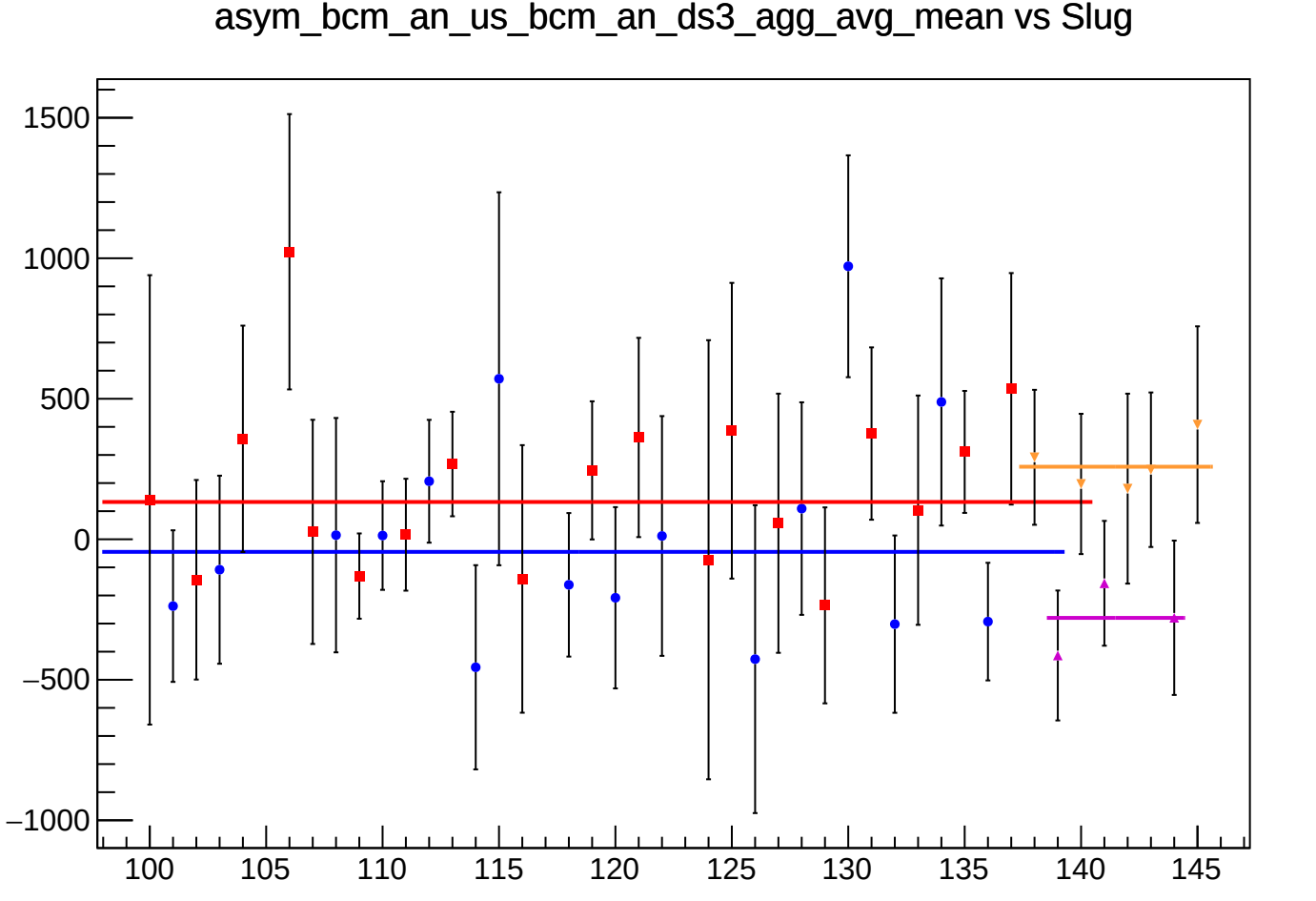
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.745+/-0.005 χ^2/NDF:3970.0/2

+ sign 10.939+/-0.002 χ^2/NDF: 155010.9/20

All: 10.968+/-0.002 χ^2/NDF: 326225.6/42

- sign 11.000+/-0.002 χ^2/NDF: 170897.7/21



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 258.130+/-125.440 χ^2/NDF:0.3/4

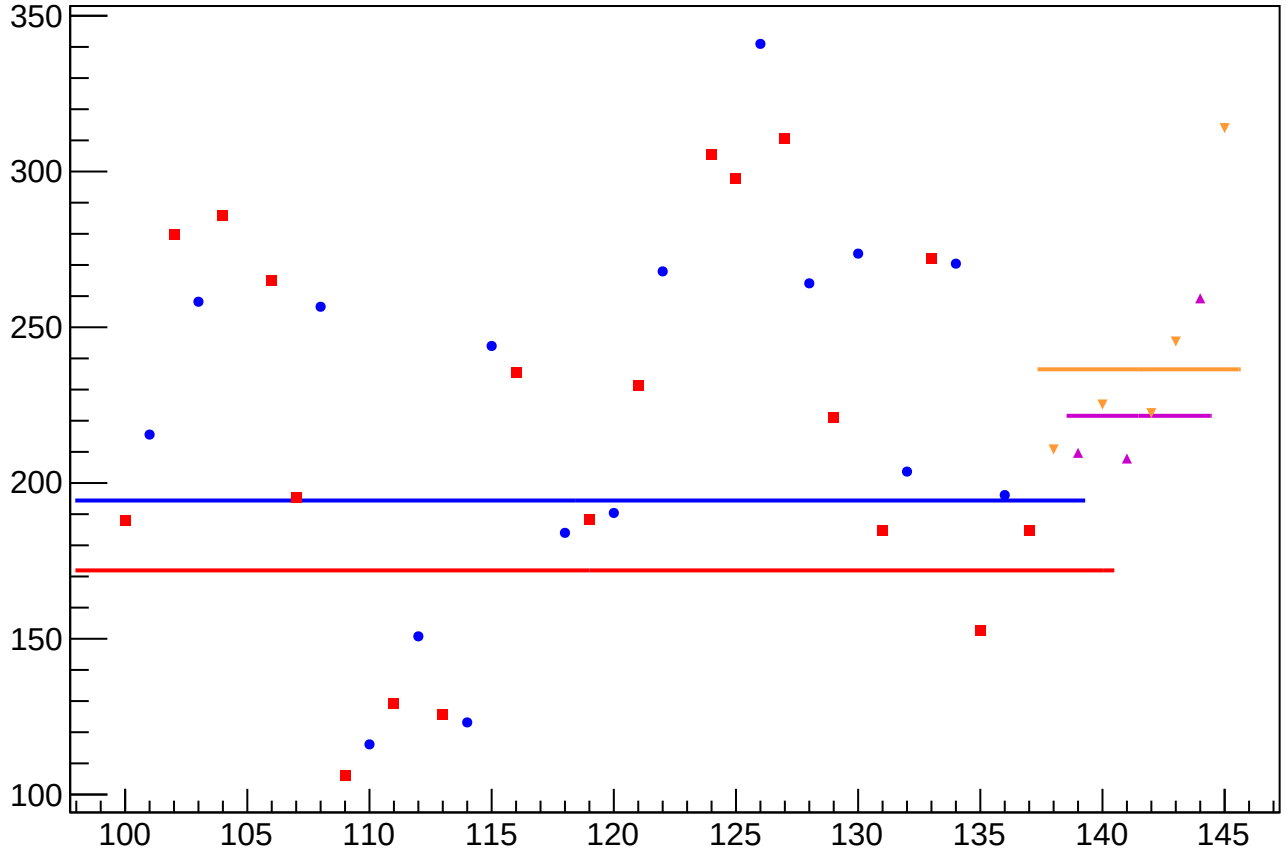
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -279.765+/-138.349 χ^2/NDF:0.6/2

\+ sign 37.206+/-65.265 χ^2/NDF: 20.0/20

All: 45.051+/-44.651 χ^2/NDF: 40.7/42

\- sign 51.955+/-61.222 χ^2/NDF: 20.6/21



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 236.504+/-0.089 χ^2/NDF:130628.1/4

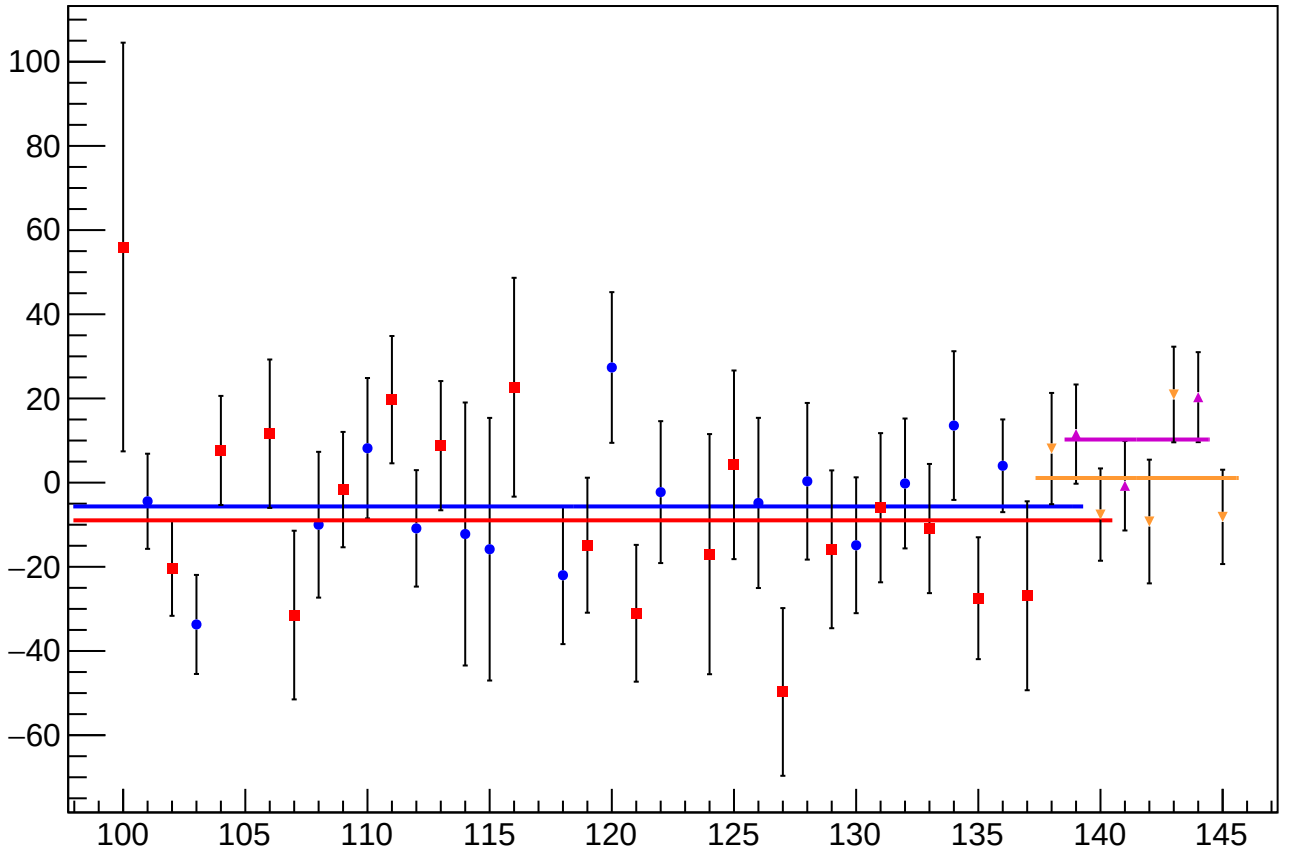
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 221.579+/-0.098 χ^2/NDF:50628.5/2

+ sign 205.787+/-0.046 χ^2/NDF: 1337098.4/20

All: 192.957+/-0.032 χ^2/NDF: 3391347.5/42

- sign 181.667+/-0.043 χ^2/NDF: 1908951.5/21



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.101+/-5.393 χ^2/NDF:5.1/4

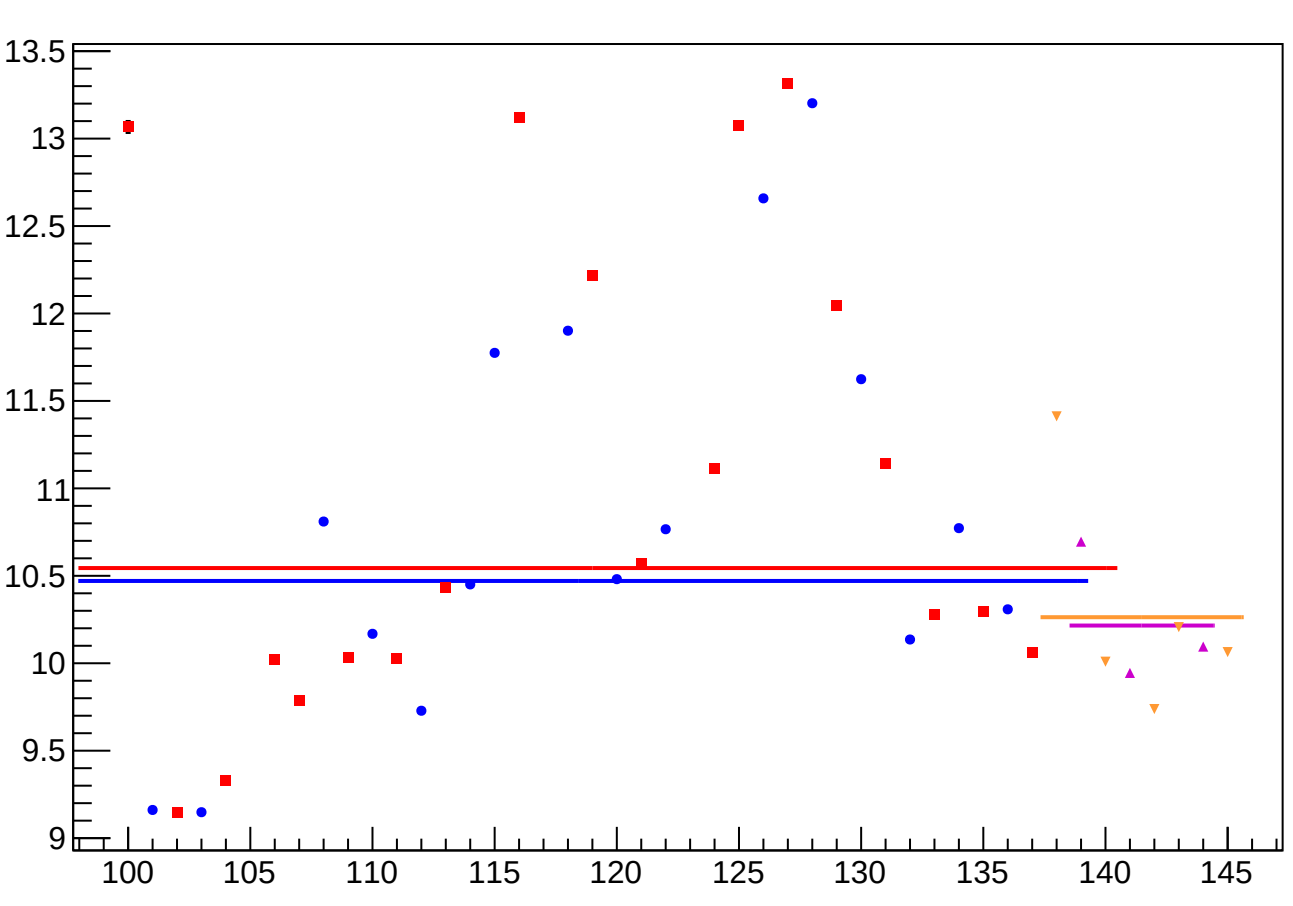
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 10.242+/-6.350 χ^2/NDF:2.0/2

\+ sign -3.306+/-3.181 χ^2/NDF: 19.8/20

All: -3.494+/-2.298 χ^2/NDF: 51.2/42

\- sign -3.699+/-3.324 χ^2/NDF: 31.4/21



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.263+/-0.004 χ^2/NDF:19419.0/4

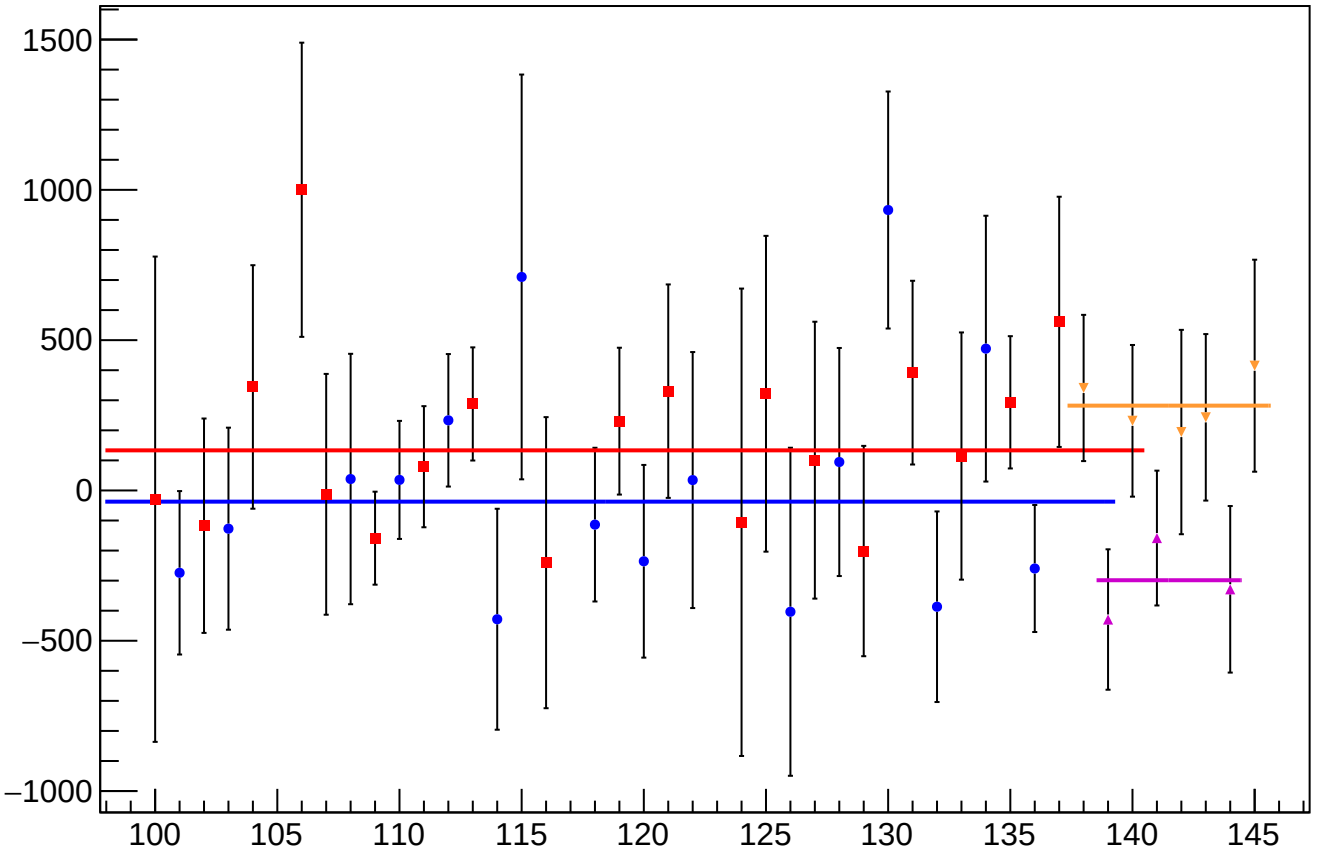
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.216+/-0.004 χ^2/NDF:4865.1/2

+ sign 10.398+/-0.002 χ^2/NDF: 178711.1/20

All: 10.425+/-0.002 χ^2/NDF: 374542.3/42

- sign 10.454+/-0.002 χ^2/NDF: 195537.1/21



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 282.165+/-126.648 χ^2/NDF:0.3/4

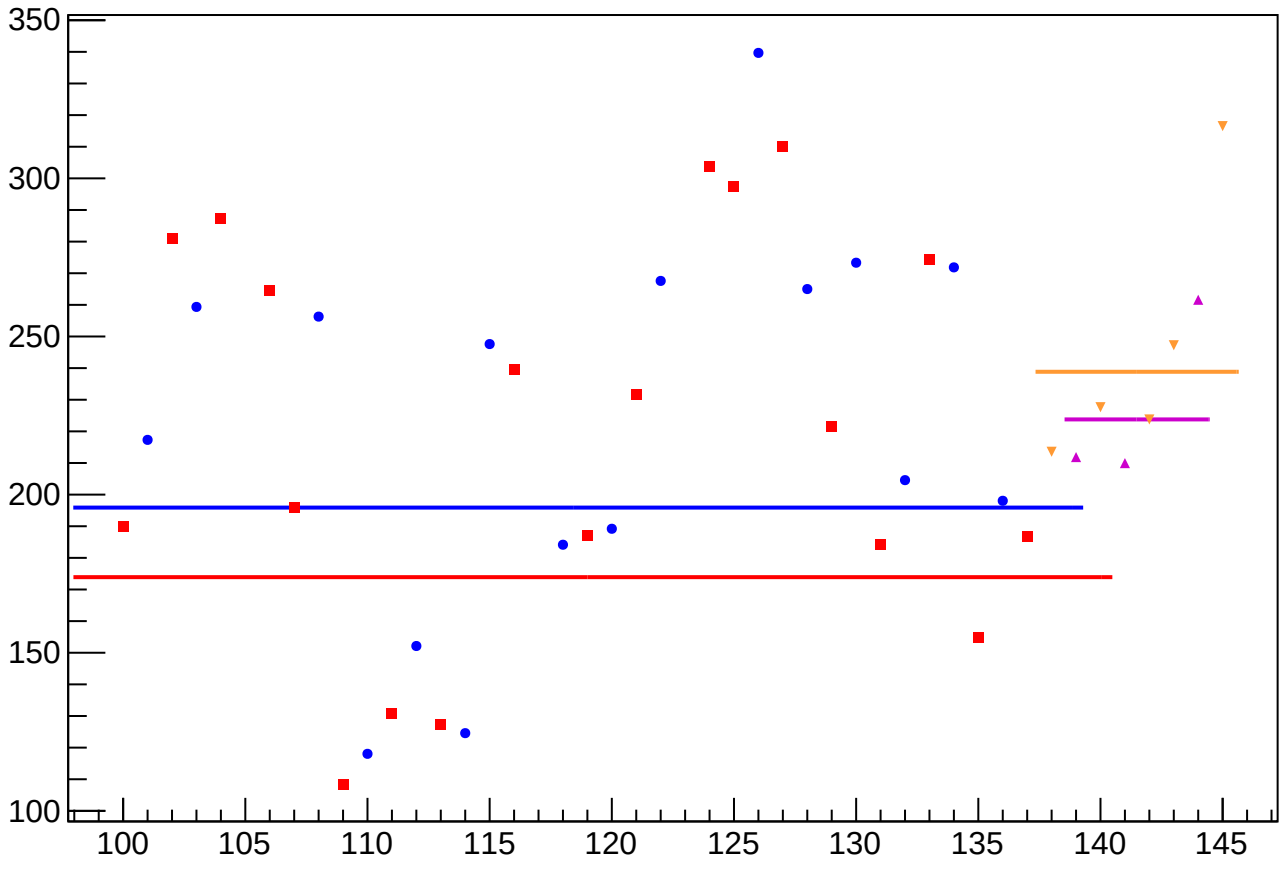
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -298.665+/-139.697 χ^2/NDF:0.7/2

+ sign 48.823+/-65.741 χ^2/NDF: 20.6/20

All: 48.853+/-45.021 χ^2/NDF: 41.9/42

- sign 48.879+/-61.782 χ^2/NDF: 21.3/21



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 238.843+/-0.090 χ^2/NDF:128361.6/4

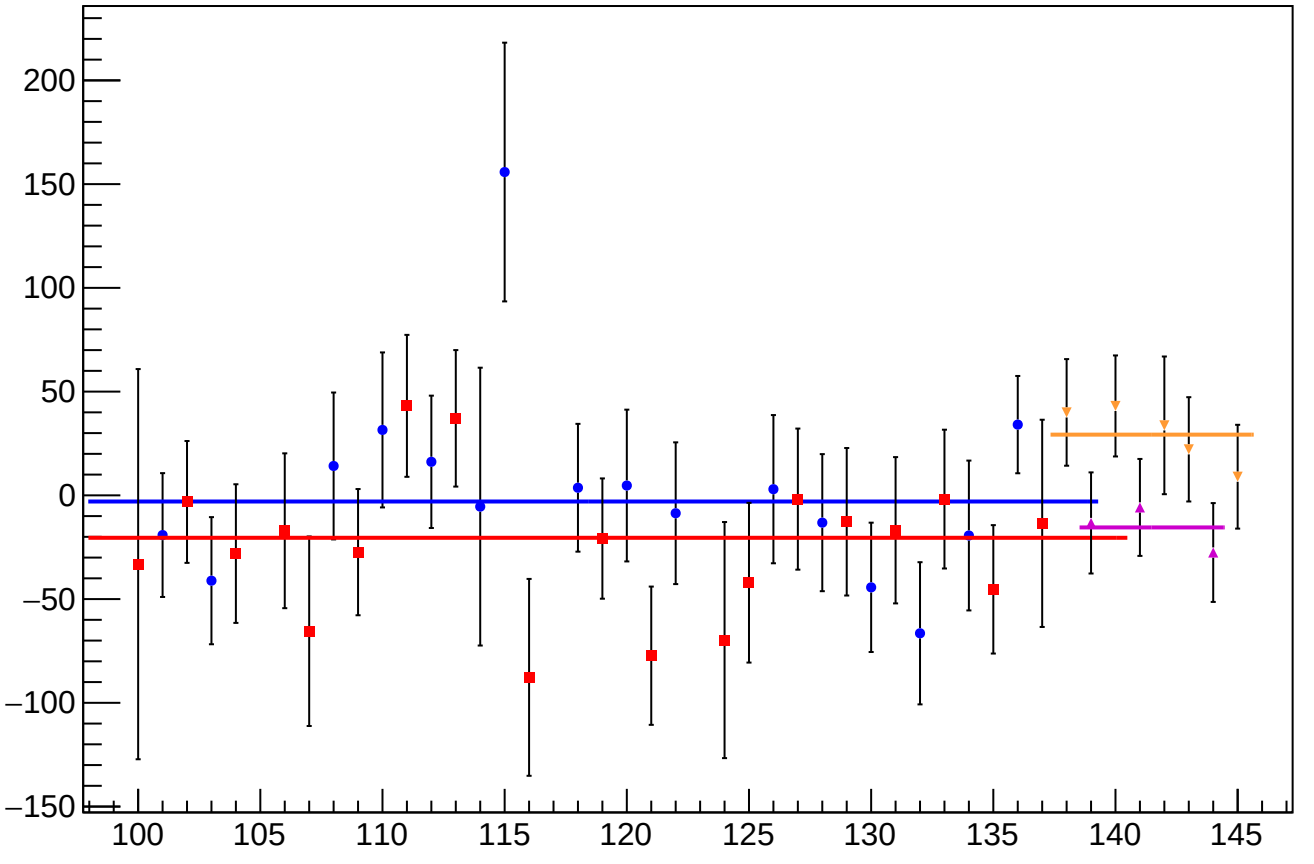
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 223.779+/-0.099 χ^2/NDF:50100.8/2

+ sign 207.471+/-0.046 χ^2/NDF: 1307358.5/20

All: 194.825+/-0.032 χ^2/NDF: 3301503.0/42

- sign 183.657+/-0.044 χ^2/NDF: 1854794.0/21



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

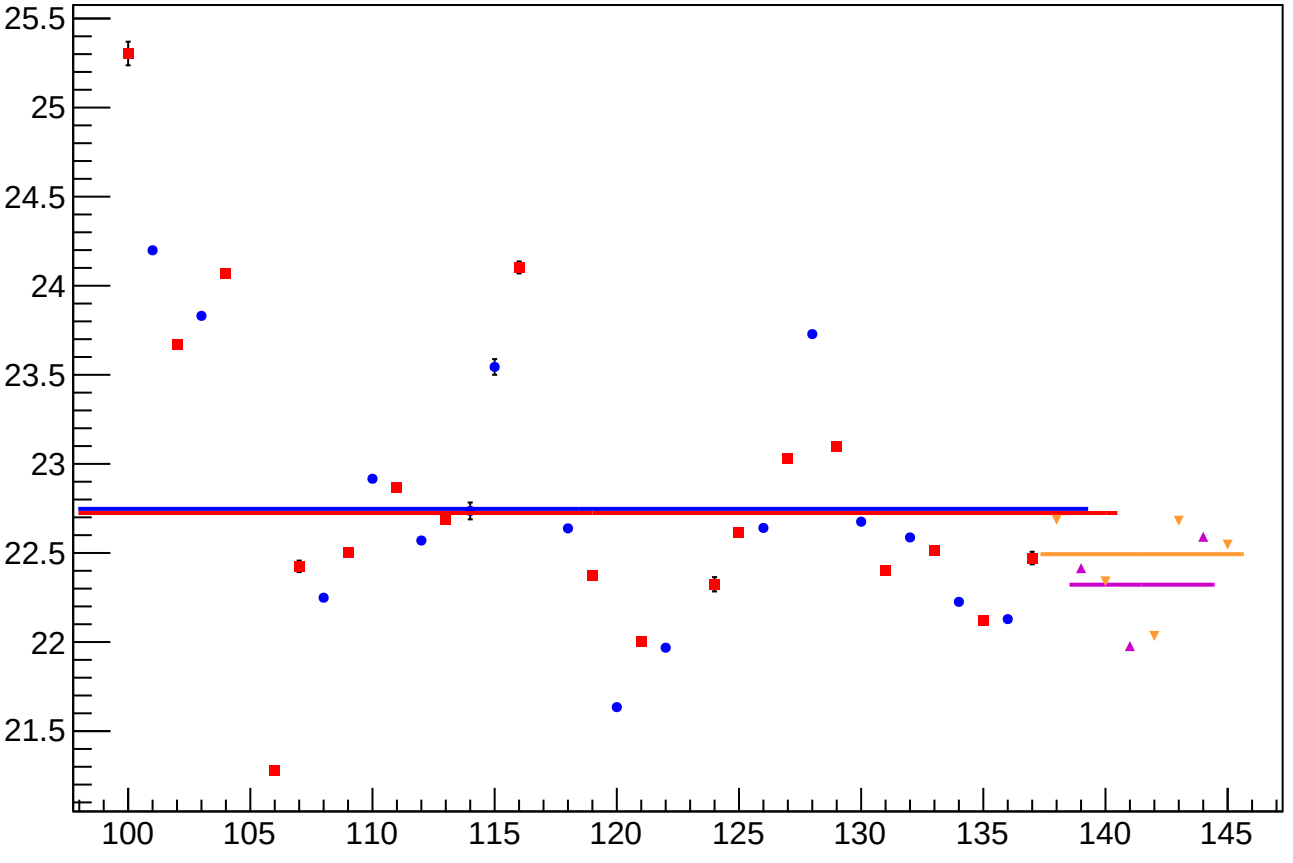
Left In: -15.464+/-13.764 χ^2/NDF:0.4/2

+ sign 8.073+/-6.855 χ^2/NDF: 24.2/20

All: -5.044+/-4.932 χ^2/NDF: 47.6/42

- sign -19.128+/-7.103 χ^2/NDF: 15.8/21

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

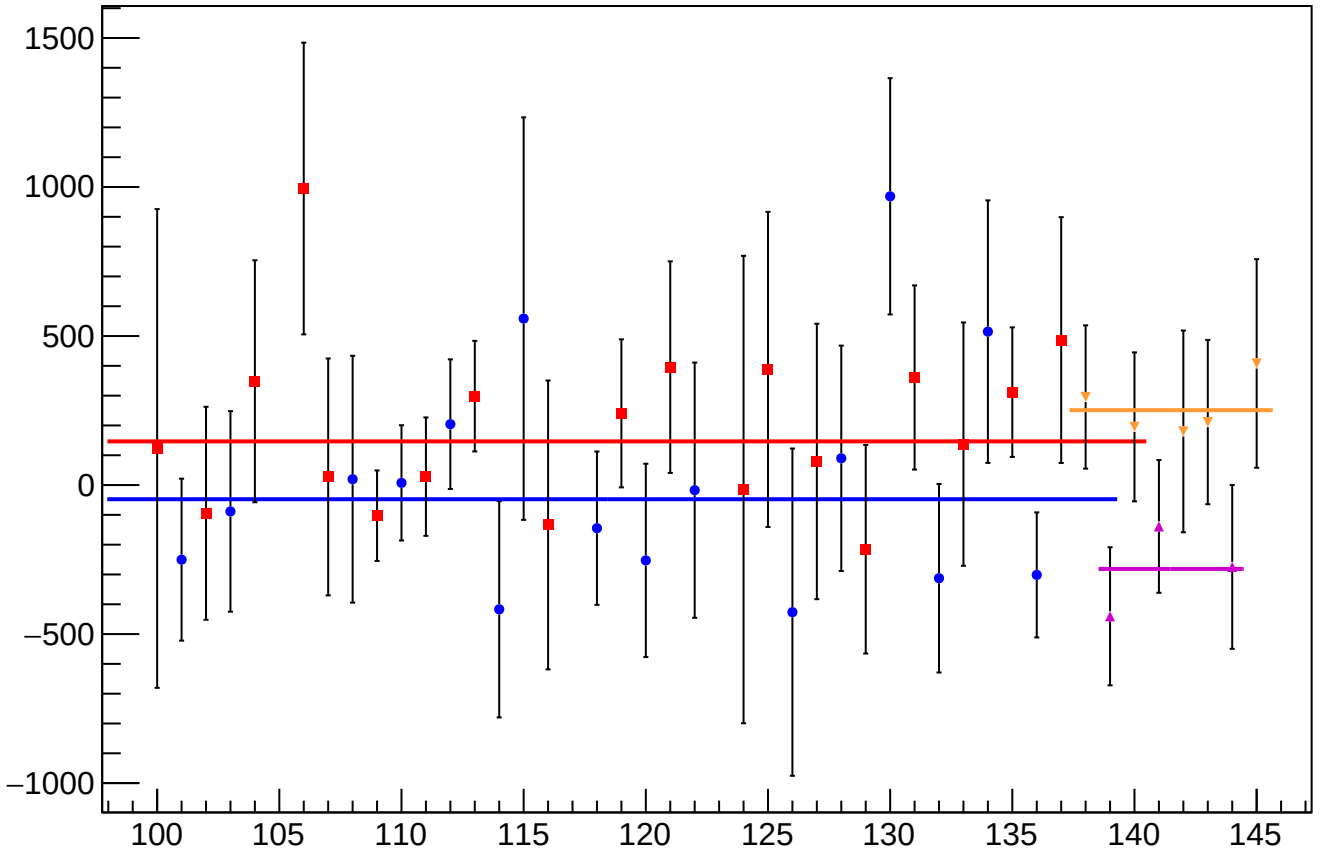
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.322+/-0.010 χ^2/NDF:718.7/2

\+ sign 22.660+/-0.005 χ^2/NDF: 15937.6/20

All: 22.640+/-0.003 χ^2/NDF: 32438.5/42

\- sign 22.617+/-0.005 χ^2/NDF: 16462.5/21



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

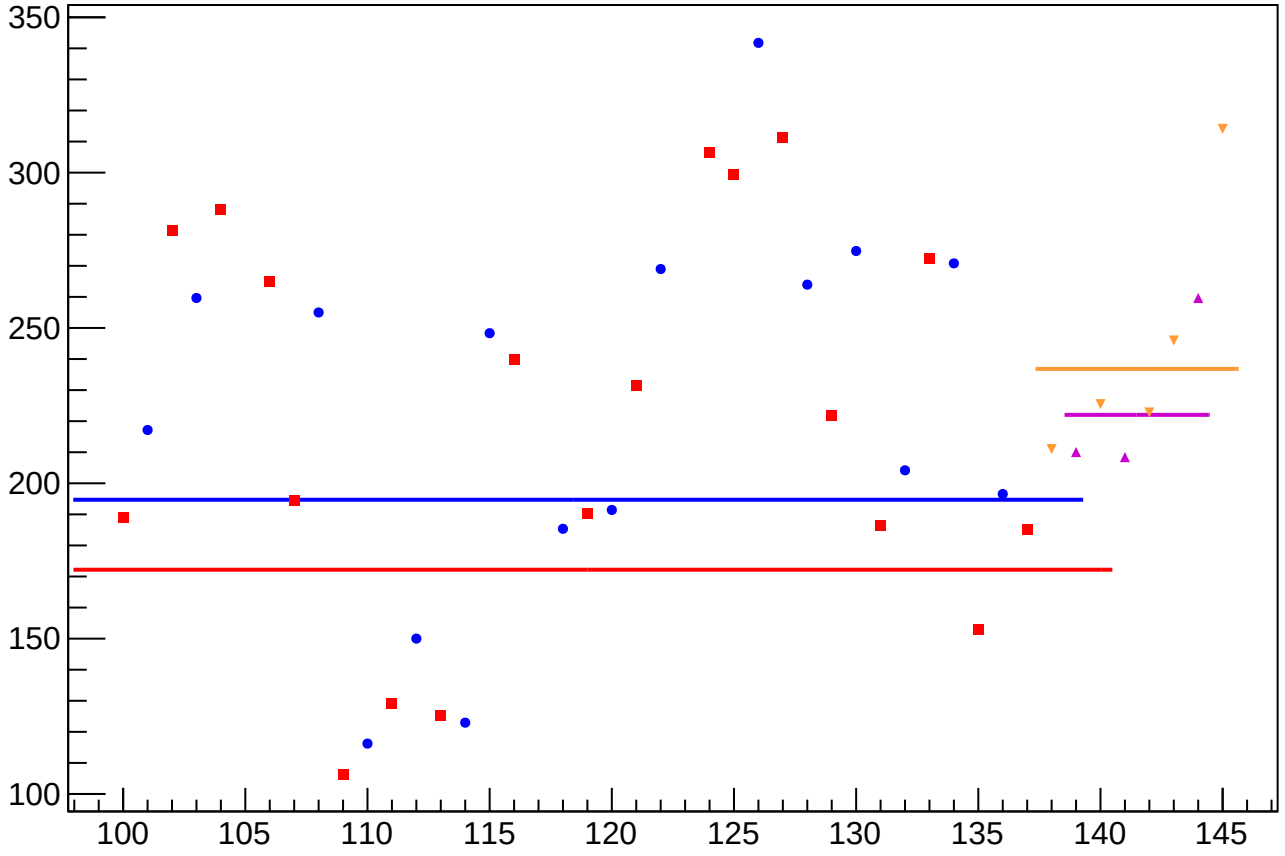
Left In: -281.352+/-138.621 χ^2/NDF:0.9/2

\+ sign 33.435+/-65.380 χ^2/NDF: 19.9/20

All: 49.047+/-44.733 χ^2/NDF: 40.1/42

\- sign 62.788+/-61.338 χ^2/NDF: 20.1/21

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

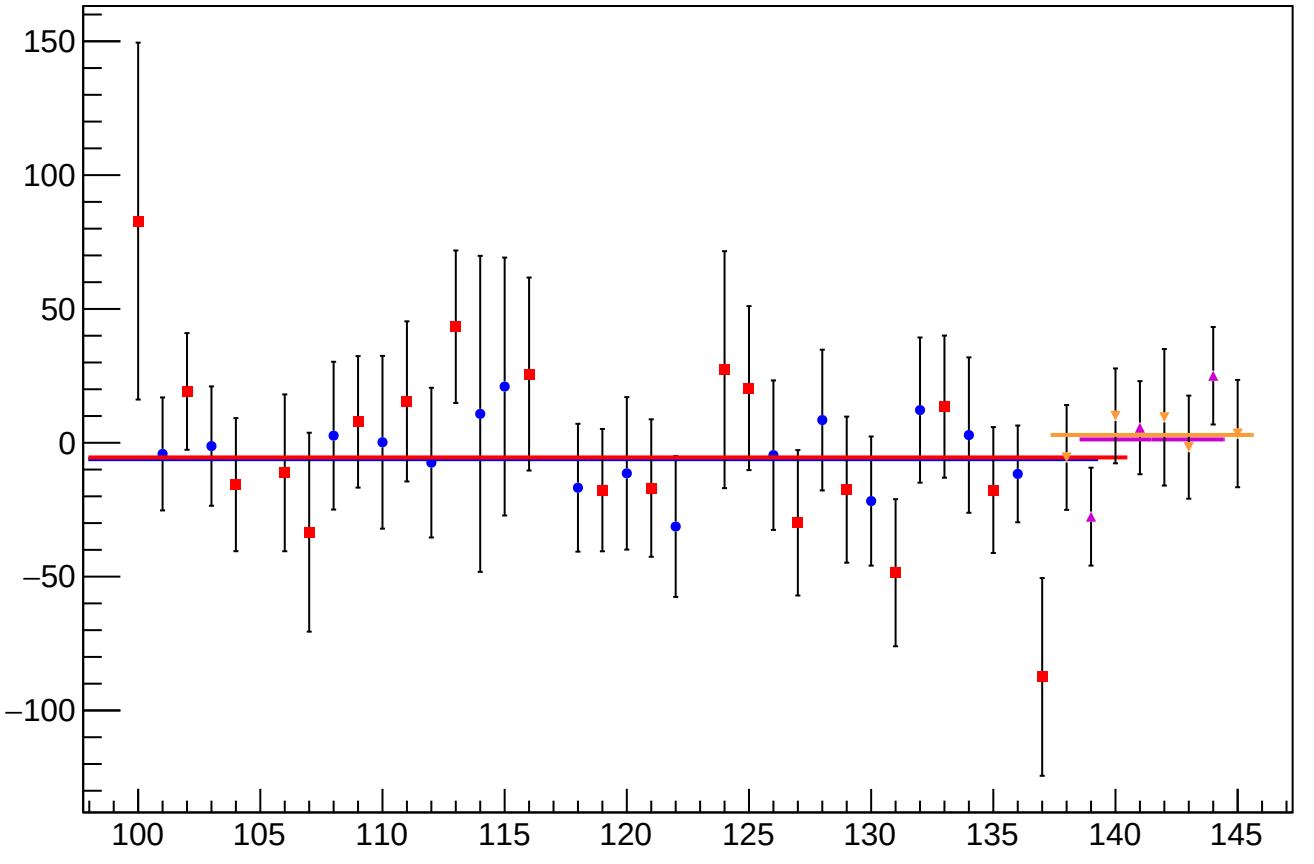
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 222.032+/-0.098 χ^2/NDF:50213.6/2

+ sign 206.120+/-0.046 χ^2/NDF: 1346584.9/20

All: 193.262+/-0.032 χ^2/NDF: 3421263.5/42

- sign 181.946+/-0.043 χ^2/NDF: 1929251.8/21



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

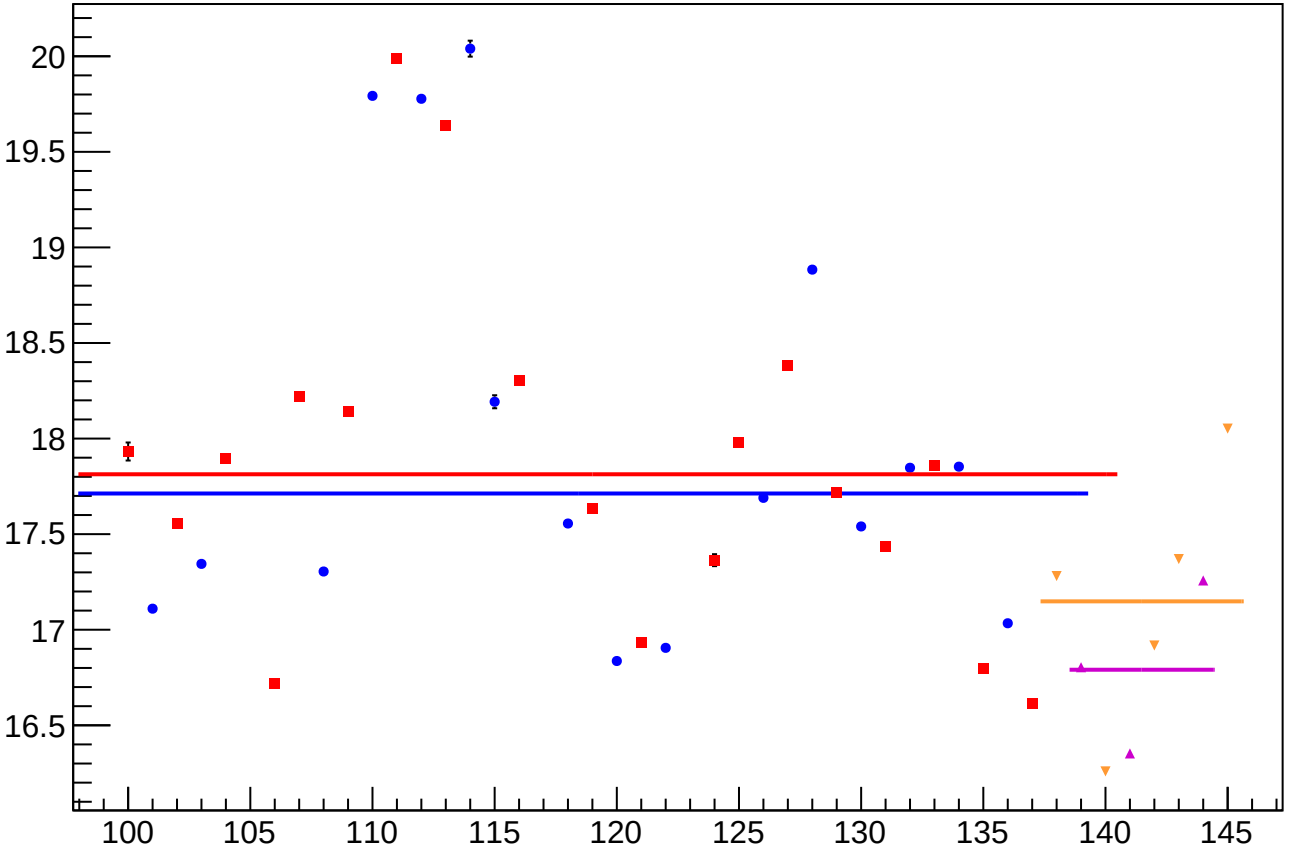
Left In: 1.252+/-10.363 χ^2/NDF:4.3/2

+ sign -2.933+/-5.306 χ^2/NDF: 4.3/20

All: -3.238+/-3.822 χ^2/NDF: 28.0/42

- sign -3.568+/-5.512 χ^2/NDF: 23.8/21

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

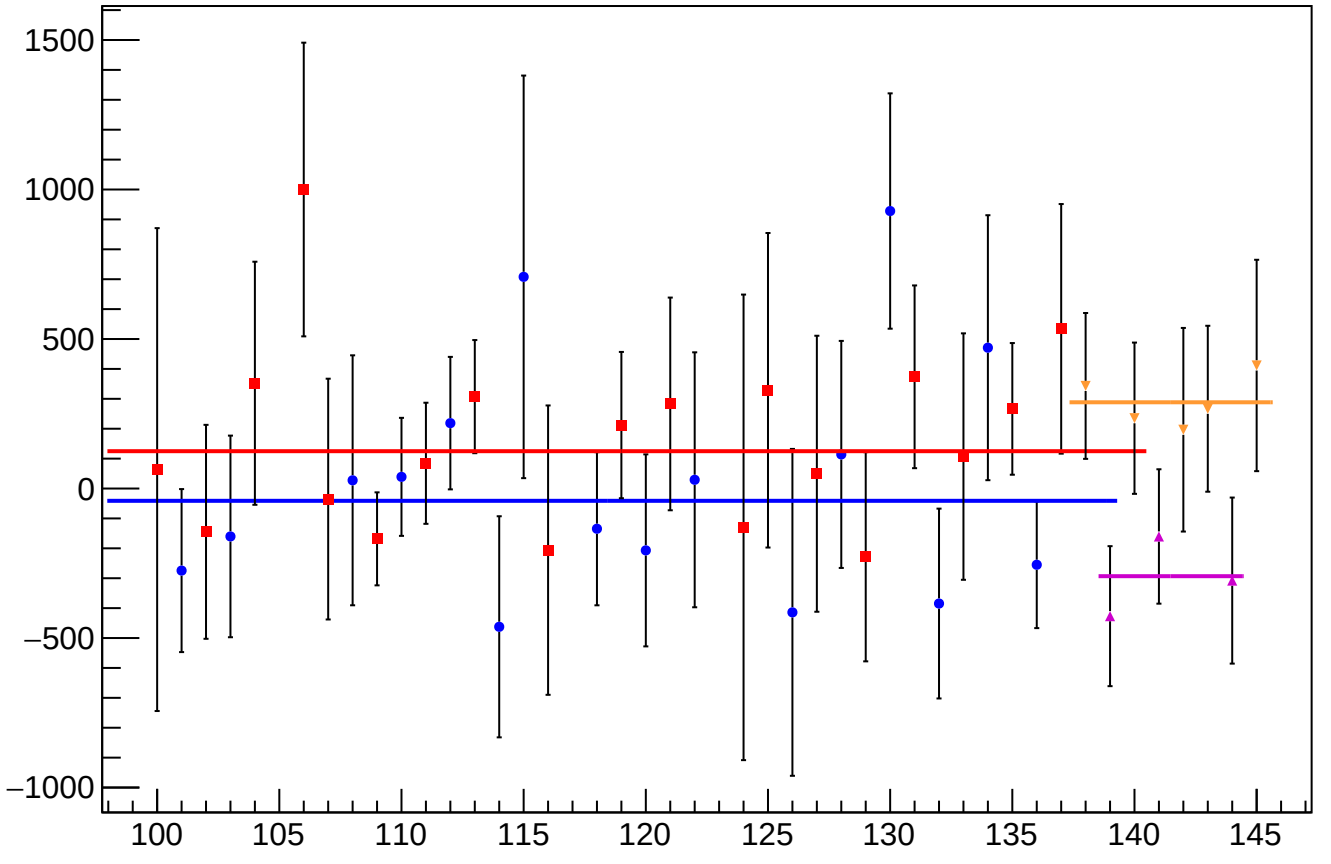
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.791+/-0.007 χ^2/NDF:2584.0/2

+ sign 17.514+/-0.004 χ^2/NDF: 50772.4/20

All: 17.519+/-0.003 χ^2/NDF: 100038.2/42

- sign 17.524+/-0.004 χ^2/NDF: 49262.3/21



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 288.411+/-126.940 χ^2/NDF:0.3/4

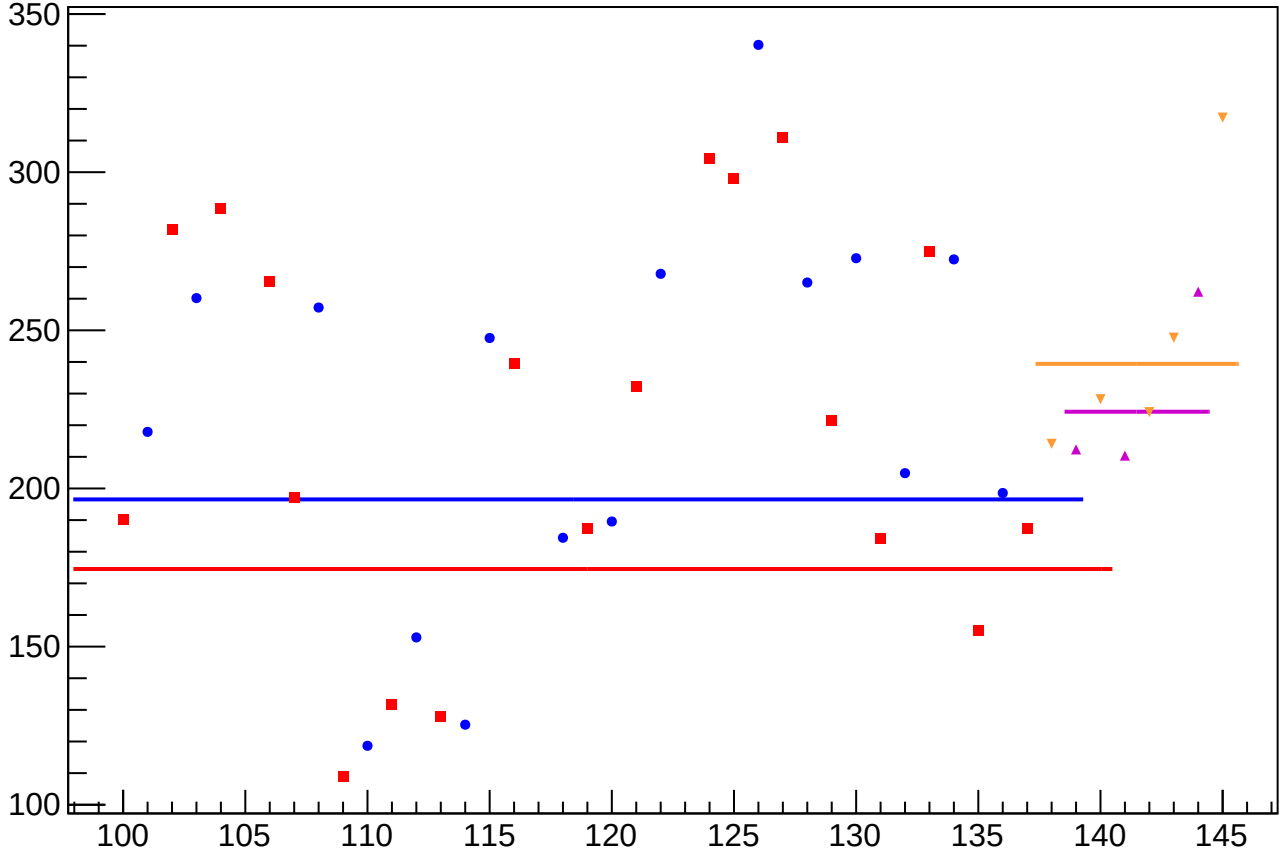
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -293.159+/-140.000 χ^2/NDF:0.7/2

+ sign 47.755+/-65.922 χ^2/NDF: 20.8/20

All: 45.214+/-45.152 χ^2/NDF: 41.6/42

- sign 42.968+/-61.970 χ^2/NDF: 20.7/21



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 239.396+/-0.090 χ^2/NDF:128205.6/4

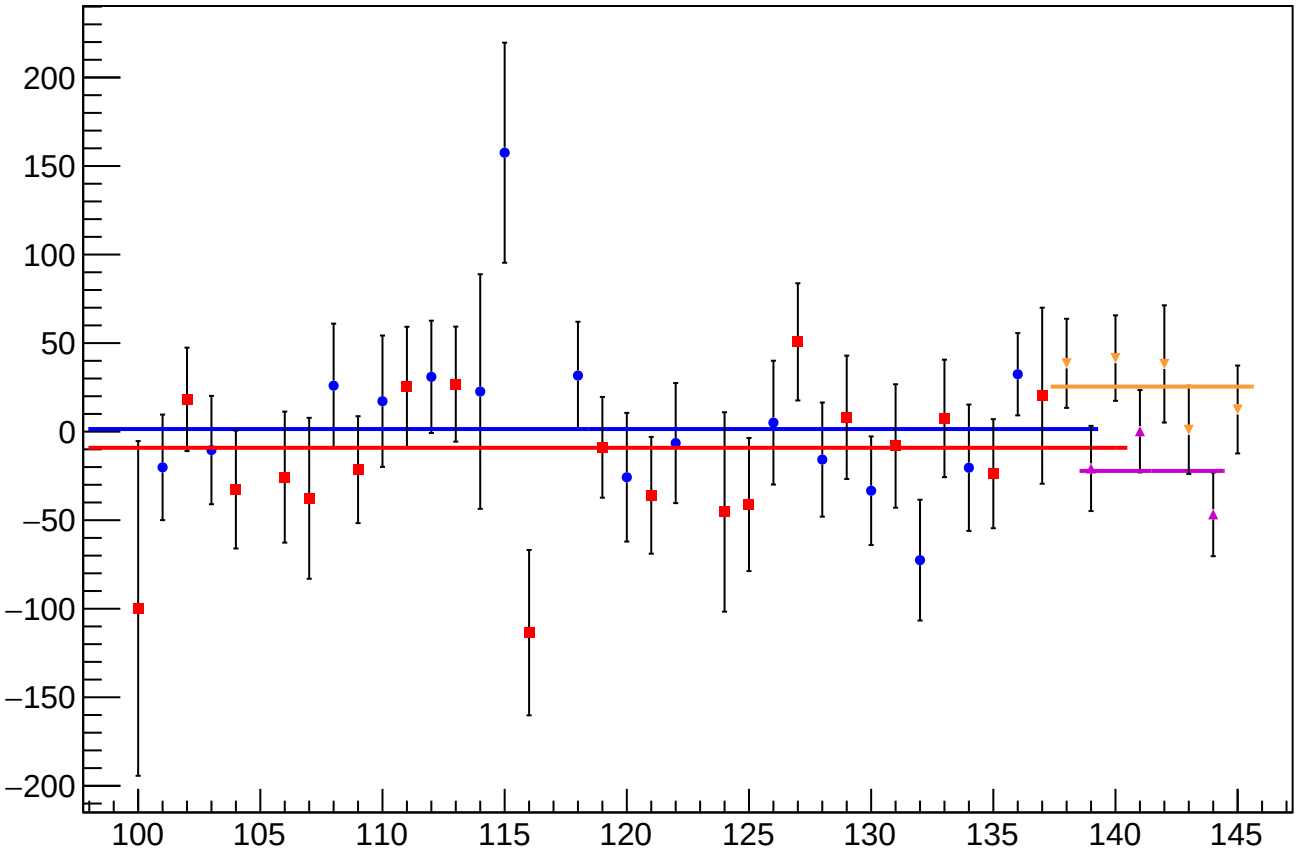
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 224.265+/-0.099 χ^2/NDF:50157.8/2

+ sign 208.099+/-0.047 χ^2/NDF: 1295442.1/20

All: 195.456+/-0.032 χ^2/NDF: 3275783.7/42

- sign 184.282+/-0.044 χ^2/NDF: 1841750.8/21



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

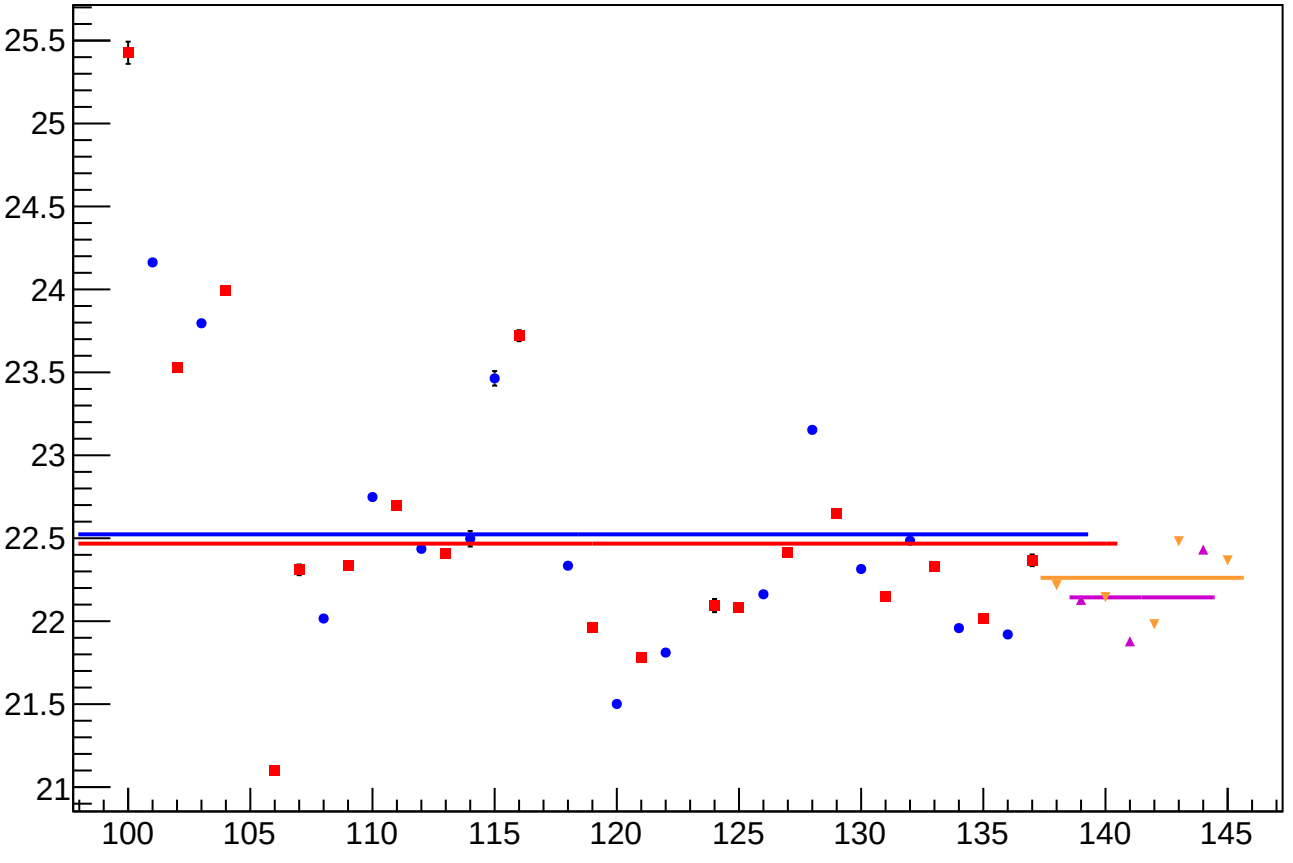
Left In: -22.169+/-13.653 χ^2/NDF:2.0/2

+ sign 9.683+/-6.785 χ^2/NDF: 23.6/20

All: -1.054+/-4.882 χ^2/NDF: 47.9/42

- sign -12.573+/-7.028 χ^2/NDF: 19.1/21

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

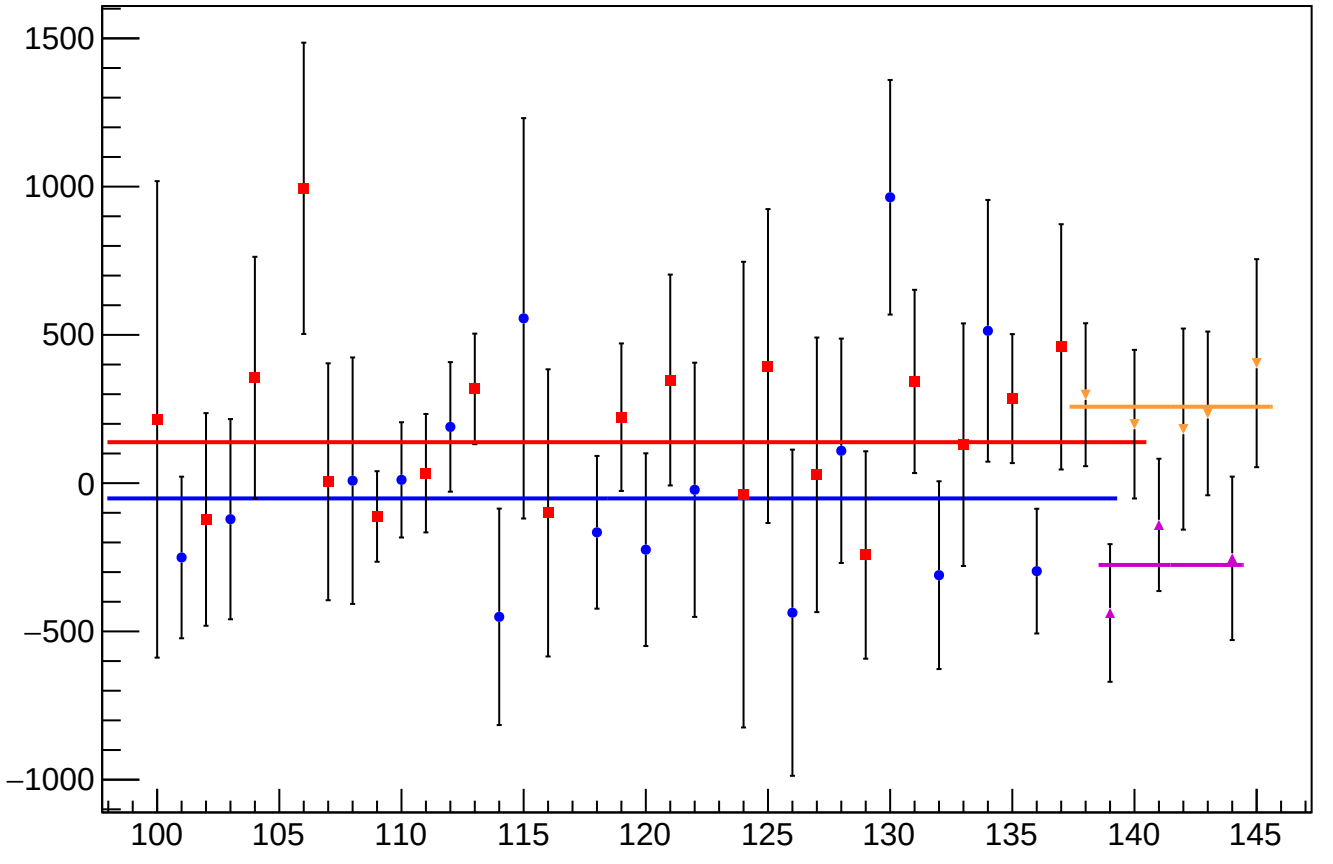
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.144+/-0.010 χ^2/NDF:557.0/2

\+ sign 22.434+/-0.005 χ^2/NDF: 17008.2/20

All: 22.409+/-0.003 χ^2/NDF: 34075.6/42

\- sign 22.382+/-0.005 χ^2/NDF: 17010.7/21



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

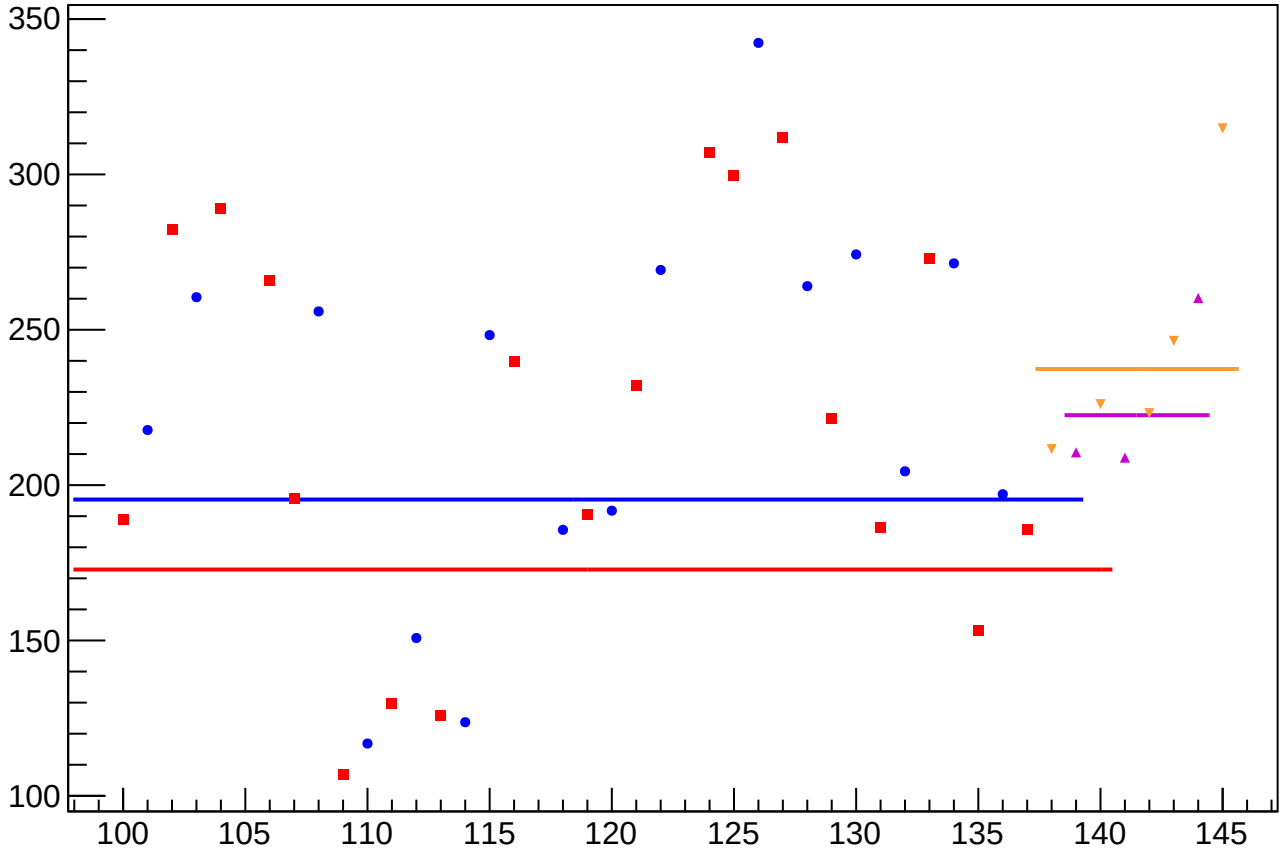
Left In: -275.836+/-138.926 χ^2/NDF:0.9/2

\+ sign 32.370+/-65.563 χ^2/NDF: 20.1/20

All: 45.454+/-44.865 χ^2/NDF: 39.7/42

\- sign 56.977+/-61.528 χ^2/NDF: 19.6/21

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

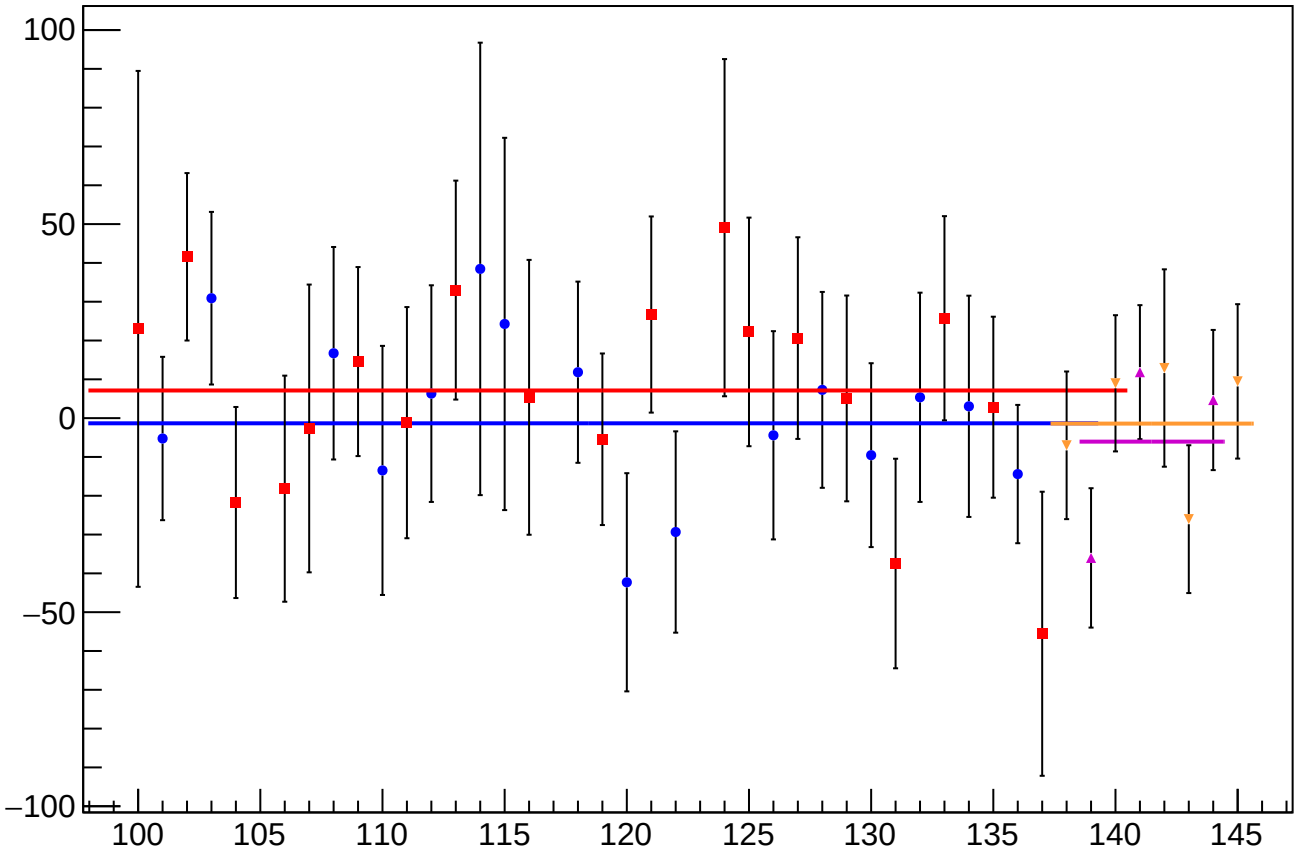
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 222.522+/-0.098 χ^2/NDF:50265.8/2

+ sign 206.757+/-0.046 χ^2/NDF: 1333979.3/20

All: 193.903+/-0.032 χ^2/NDF: 3393886.3/42

- sign 182.582+/-0.044 χ^2/NDF: 1915326.2/21



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

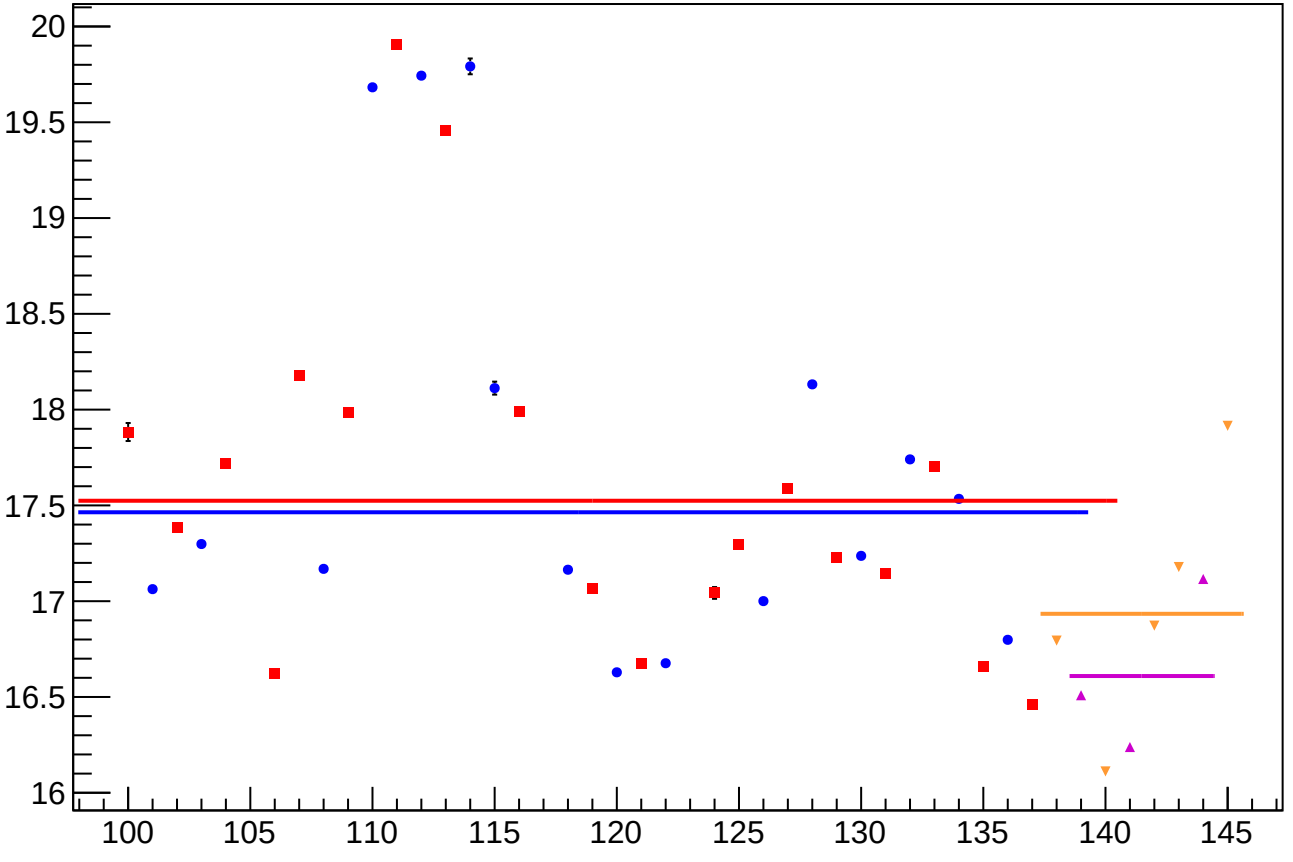
Left In: -6.055+/-10.249 χ^2/NDF:4.2/2

+ sign -1.358+/-5.233 χ^2/NDF: 10.7/20

All: 0.946+/-3.768 χ^2/NDF: 31.0/42

- sign 3.427+/-5.430 χ^2/NDF: 19.8/21

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

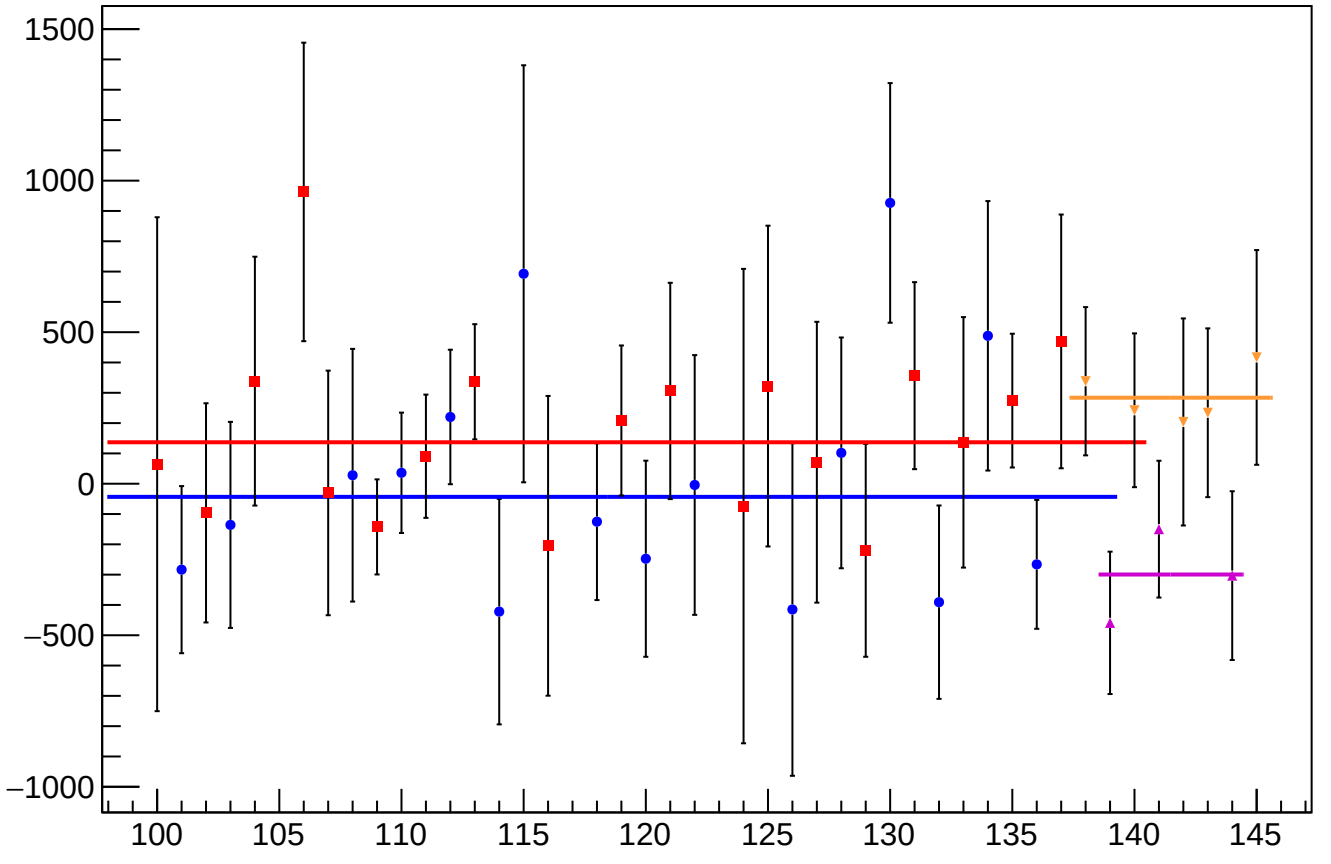
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.609+/-0.007 χ^2/NDF:2557.2/2

+ sign 17.278+/-0.004 χ^2/NDF: 51038.2/20

All: 17.273+/-0.003 χ^2/NDF: 99791.5/42

- sign 17.268+/-0.004 χ^2/NDF: 48749.5/21



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

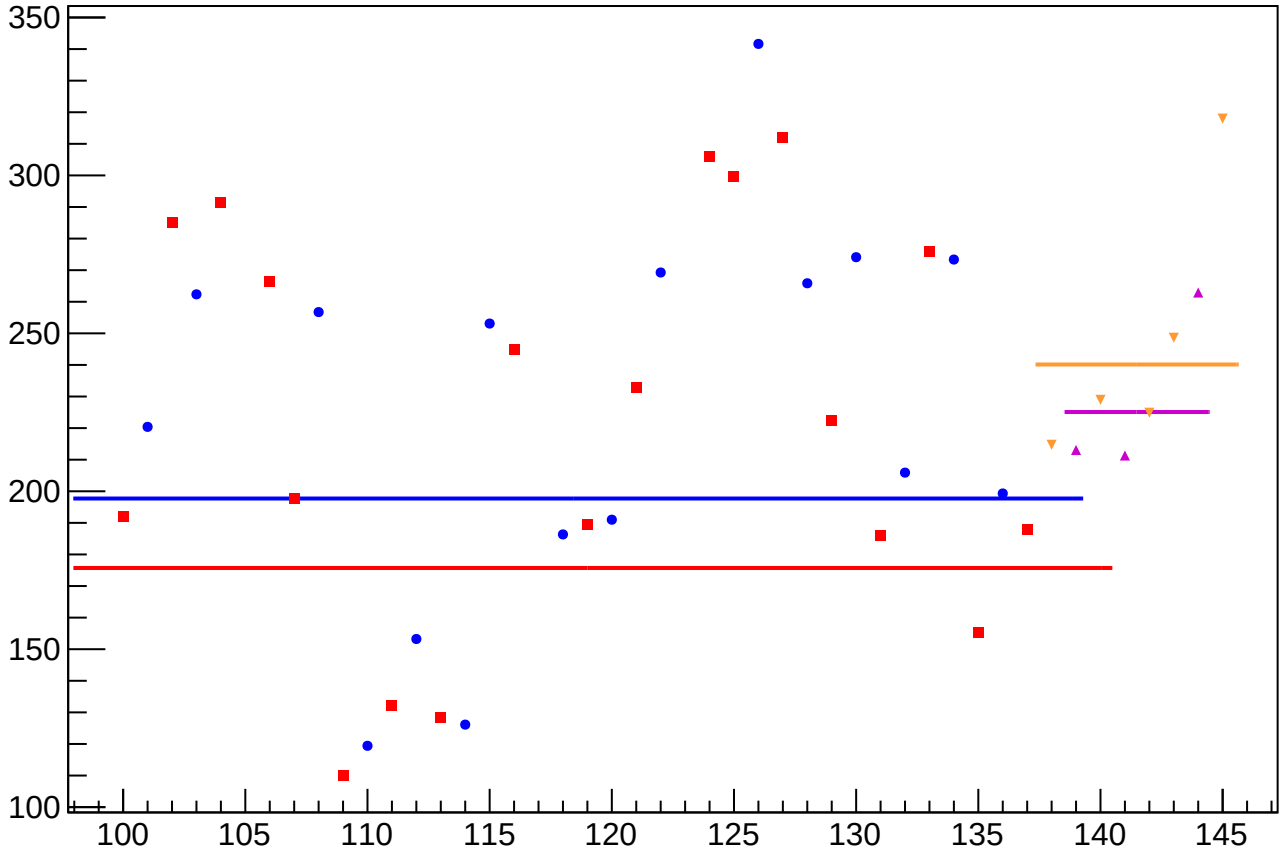
Left In: -299.605+/-140.507 χ^2/NDF:0.9/2

\+ sign 45.194+/-66.253 χ^2/NDF: 20.6/20

All: 48.213+/-45.400 χ^2/NDF: 40.8/42

\- sign 50.885+/-62.337 χ^2/NDF: 20.2/21

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

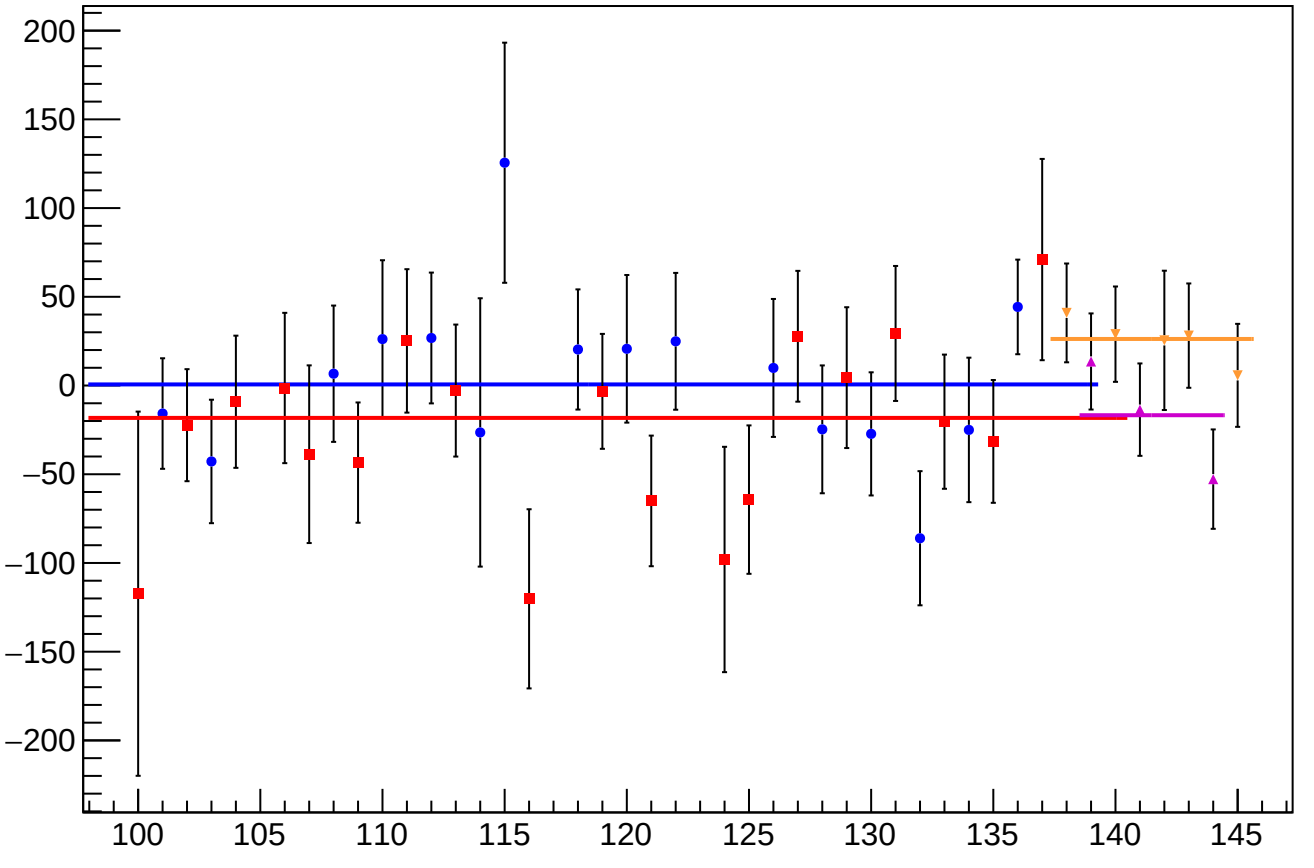
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 225.096+/-0.099 χ^2/NDF:49597.9/2

+ sign 209.196+/-0.047 χ^2/NDF: 1290193.4/20

All: 196.592+/-0.032 χ^2/NDF: 3265194.8/42

- sign 185.435+/-0.044 χ^2/NDF: 1838558.1/21



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

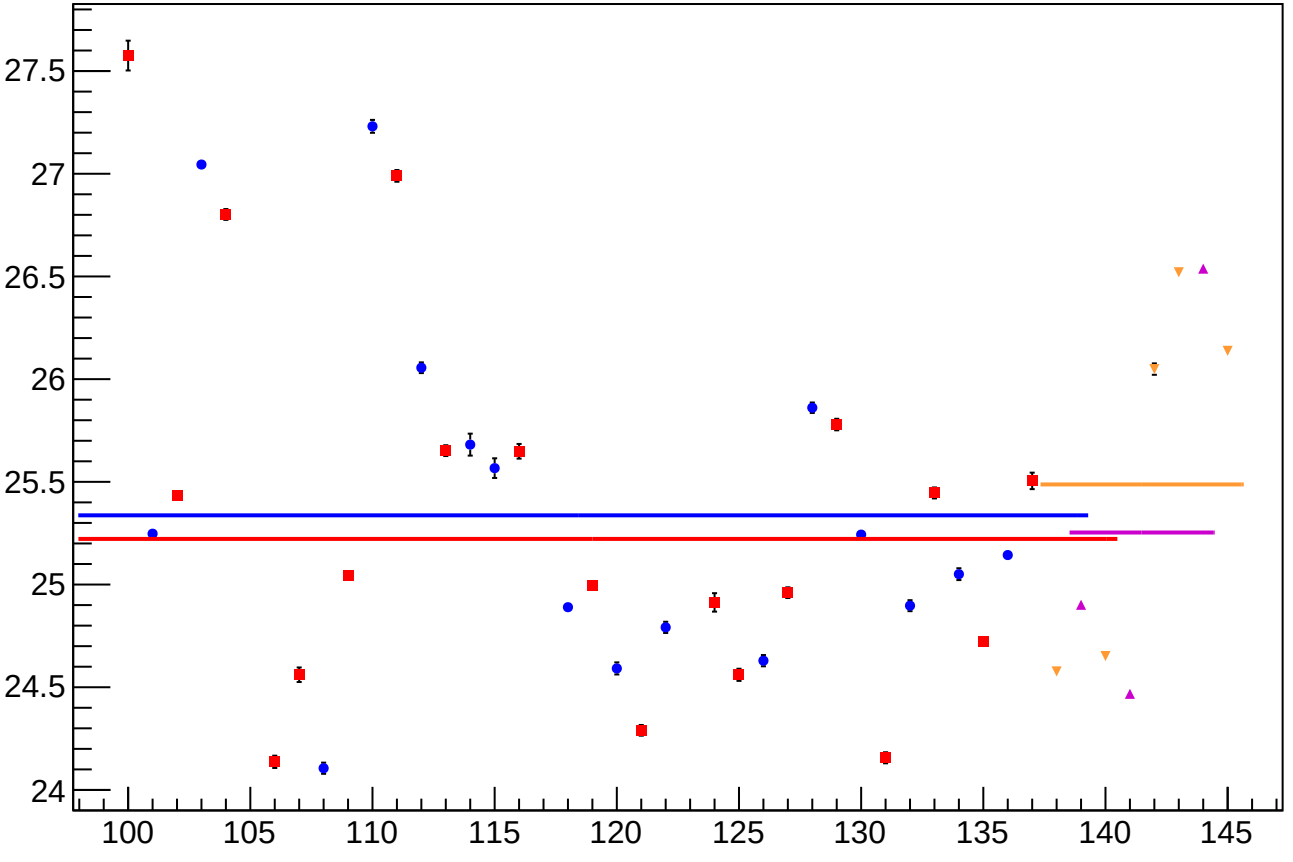
Left In: -16.733+/-15.592 χ^2/NDF:2.9/2

+ sign 9.196+/-7.685 χ^2/NDF: 20.0/20

All: -3.907+/-5.518 χ^2/NDF: 46.9/42

- sign -17.856+/-7.929 χ^2/NDF: 20.9/21

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

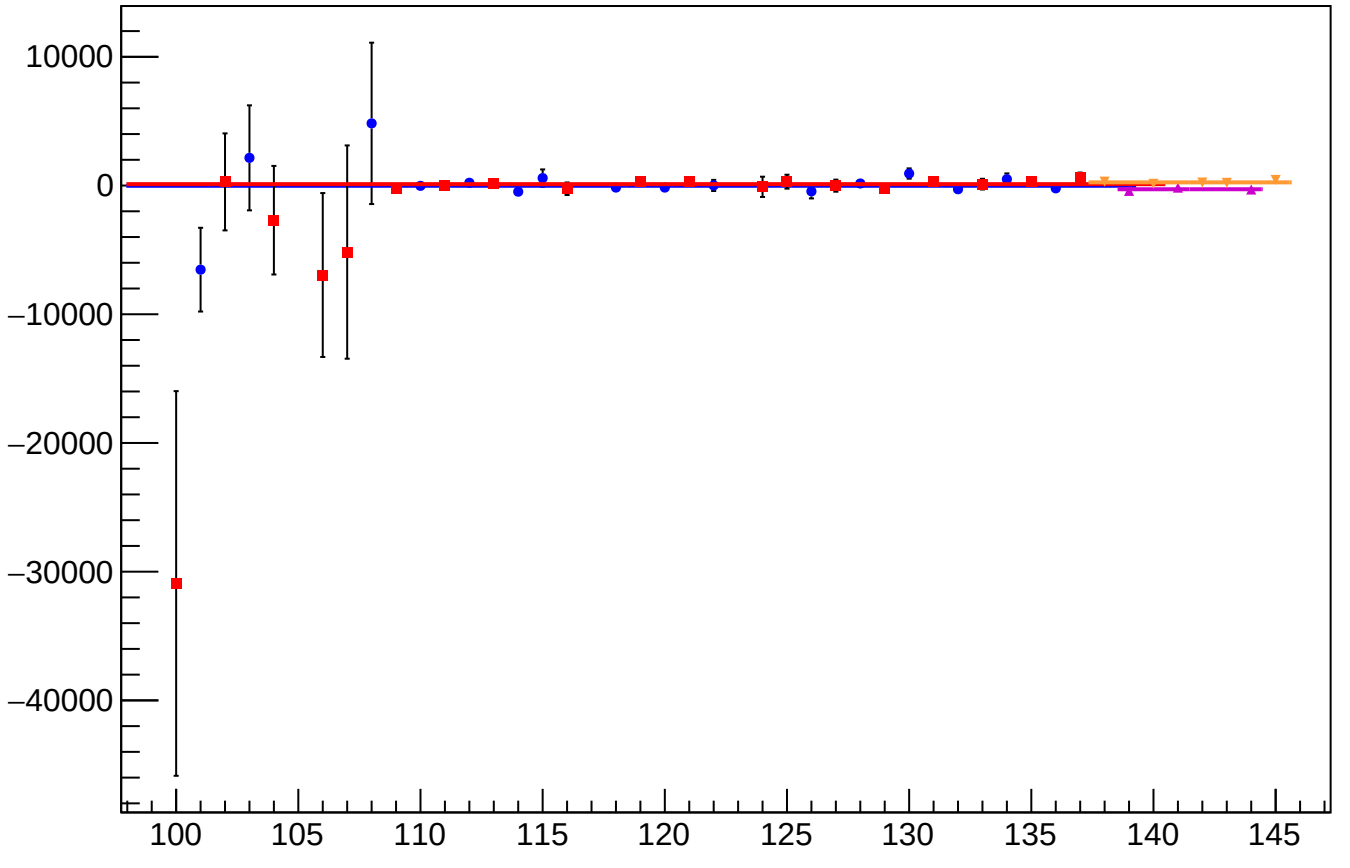
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.253+/-0.011 χ^2/NDF:6364.7/2

+ sign 25.387+/-0.005 χ^2/NDF: 22441.4/20

All: 25.311+/-0.004 χ^2/NDF: 44441.5/42

- sign 25.230+/-0.006 χ^2/NDF: 21595.0/21



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 246.485+/-127.995 χ^2/NDF:0.6/4

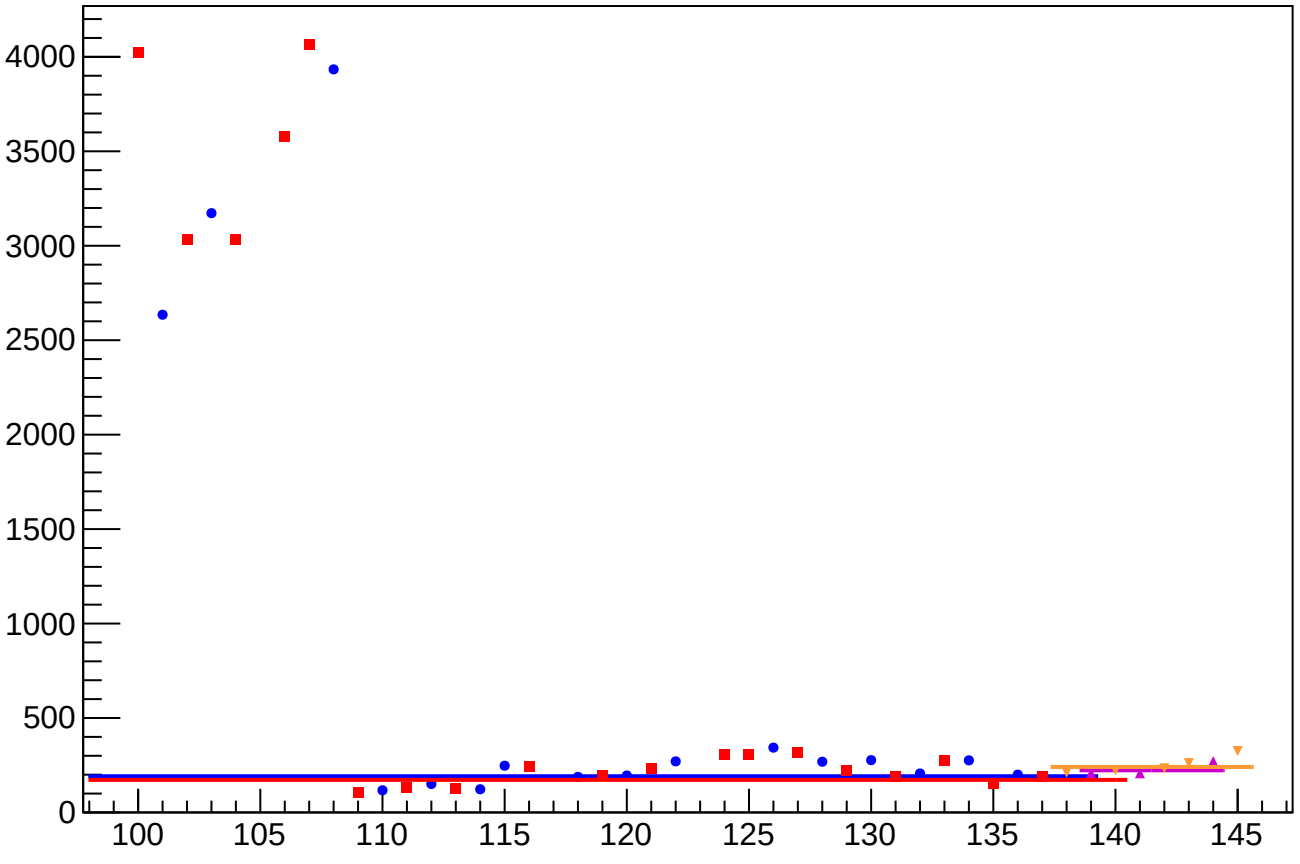
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -287.950+/-139.735 χ^2/NDF:0.6/2

\+ sign 64.322+/-70.635 χ^2/NDF: 21.8/20

All: 38.468+/-49.053 χ^2/NDF: 42.9/42

\- sign 14.384+/-68.173 χ^2/NDF: 20.8/21



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 240.806+/-0.091 χ^2/NDF:160248.1/4

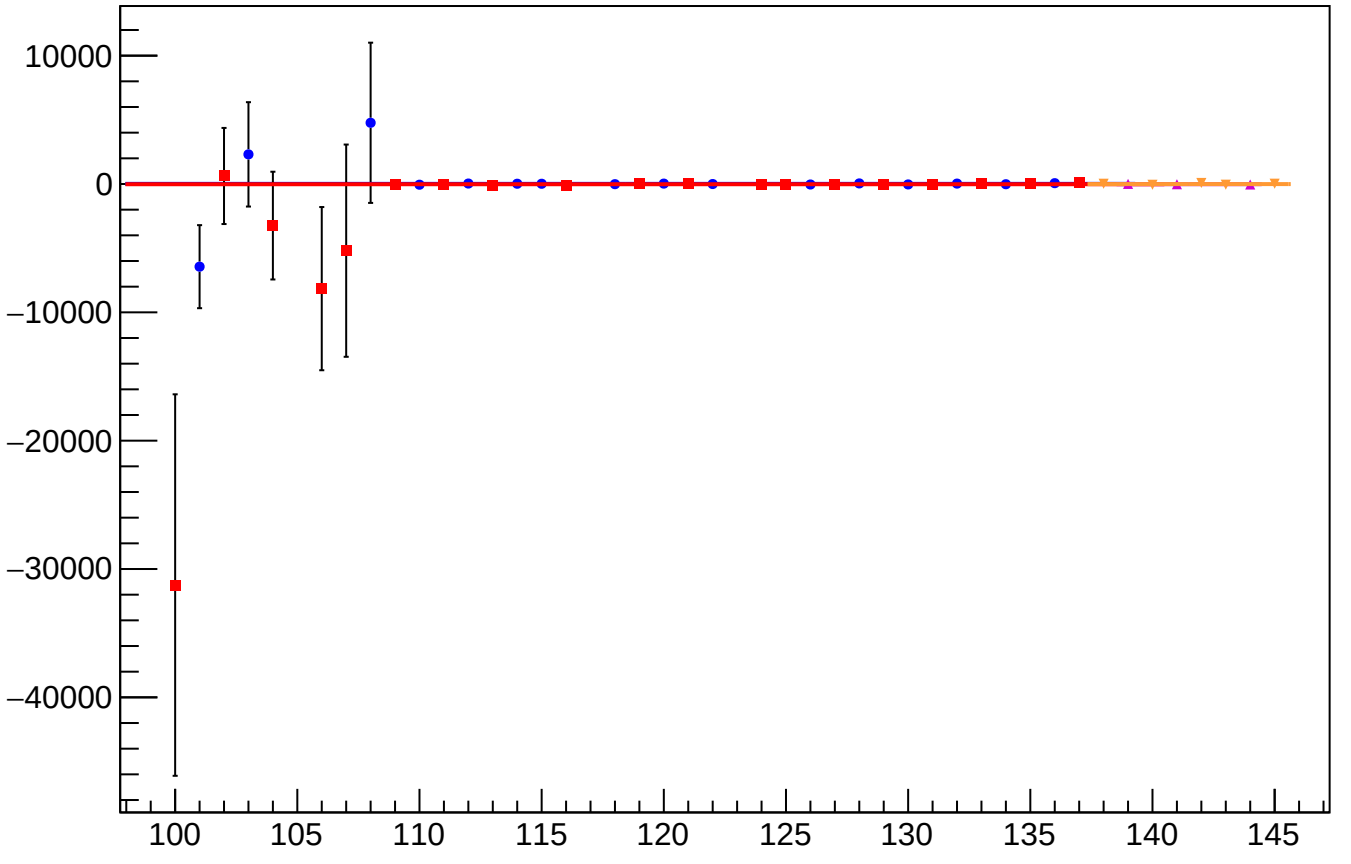
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 223.174+/-0.099 χ^2/NDF:73893.9/2

+ sign 206.680+/-0.050 χ^2/NDF: 4186487.1/20

All: 195.214+/-0.035 χ^2/NDF: 8866020.9/42

- sign 184.533+/-0.048 χ^2/NDF: 4577738.5/21



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

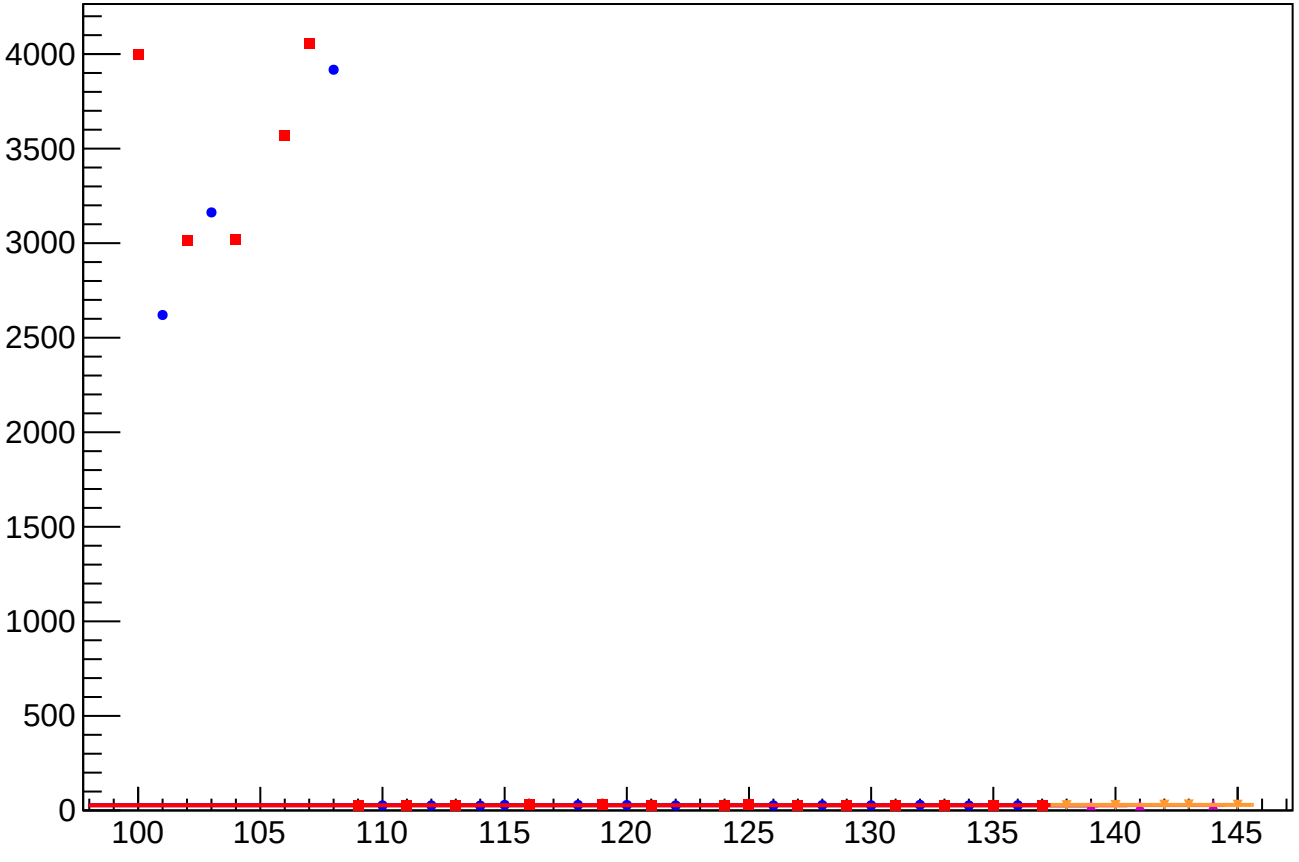
Left In: -14.354+/-17.694 χ^2/NDF:1.1/2

+ sign 3.533+/-9.311 χ^2/NDF: 26.7/20

All: -6.164+/-6.757 χ^2/NDF: 54.9/42

- sign -16.949+/-9.820 χ^2/NDF: 25.9/21

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

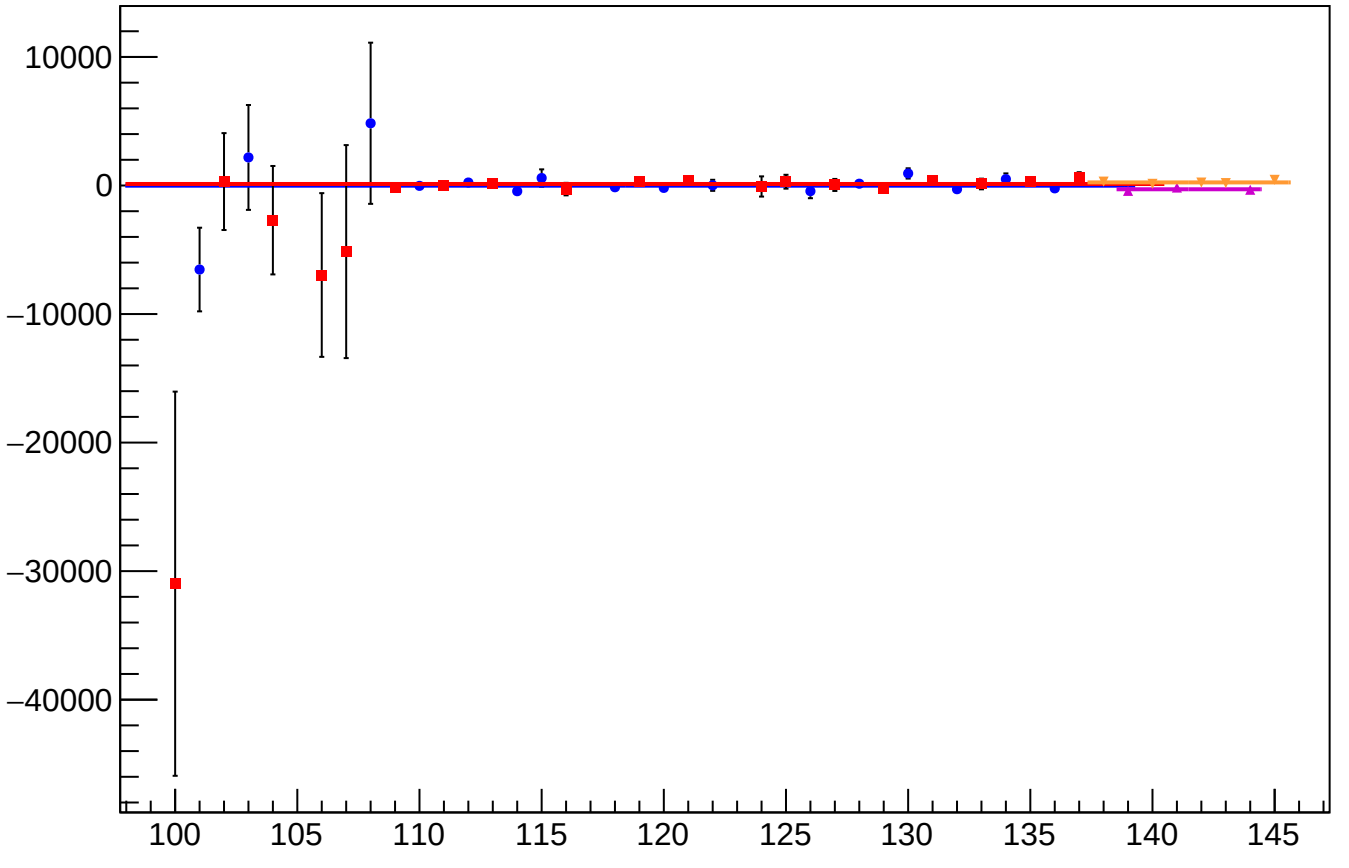
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.594+/-0.013 χ^2/NDF:16925.5/2

+ sign 28.298+/-0.007 χ^2/NDF: 3300367.4/20

All: 28.091+/-0.005 χ^2/NDF: 6879562.6/42

- sign 27.861+/-0.007 χ^2/NDF: 3577112.1/21



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 240.490+/-127.699 χ^2/NDF:0.6/4

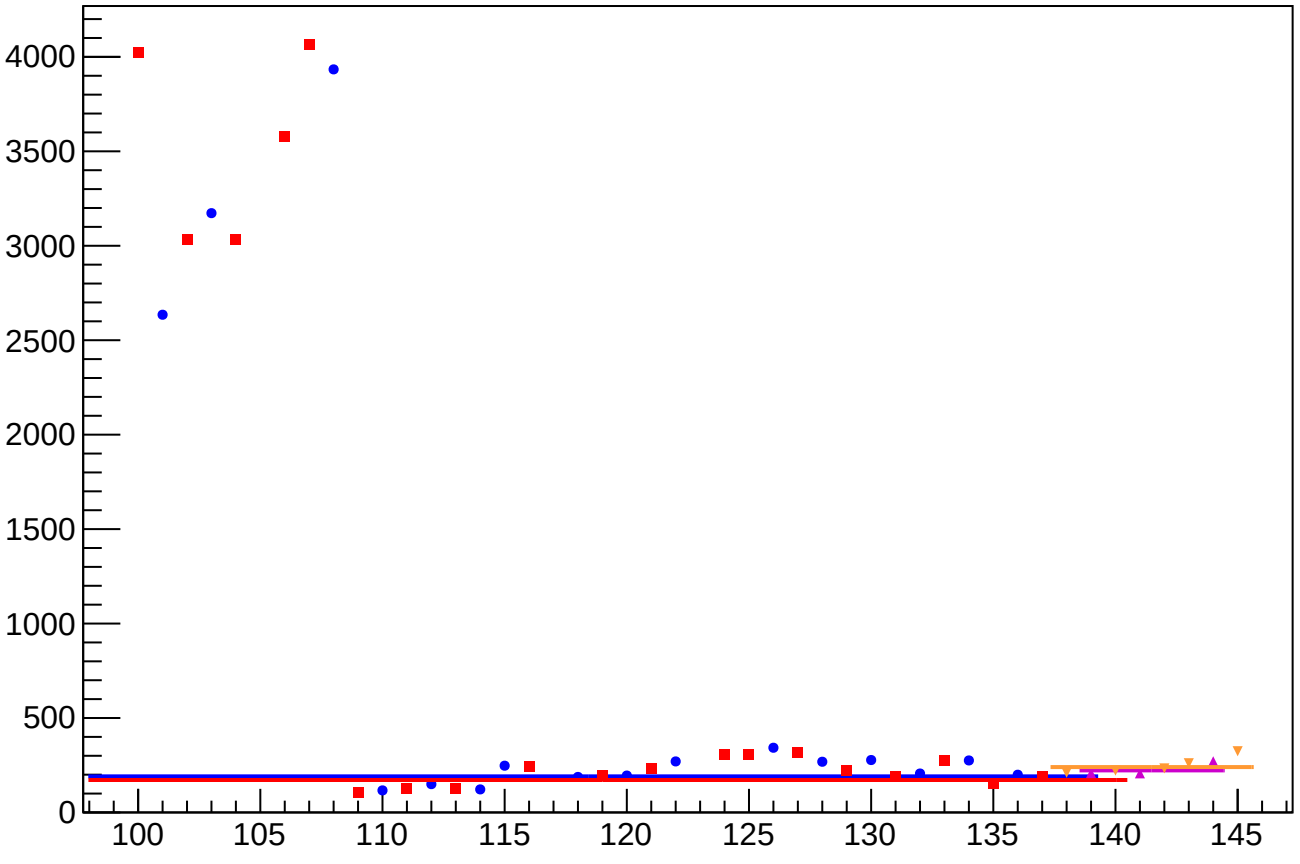
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -293.379+/-139.432 χ^2/NDF:0.7/2

\+ sign 64.024+/-70.442 χ^2/NDF: 21.7/20

All: 41.363+/-48.917 χ^2/NDF: 43.6/42

\- sign 20.259+/-67.981 χ^2/NDF: 21.8/21



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 240.243+/-0.090 χ^2/NDF:160659.2/4

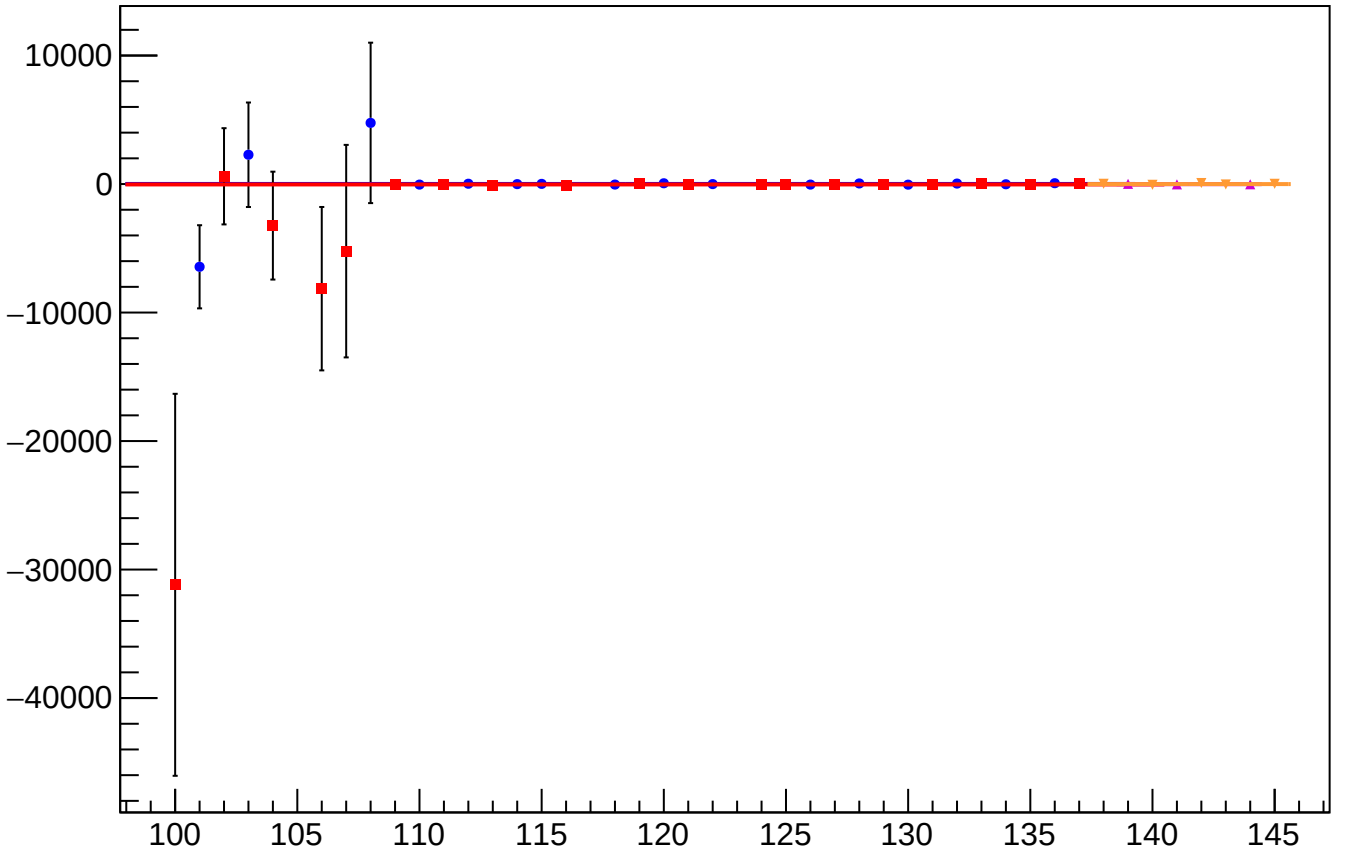
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 222.688+/-0.099 χ^2/NDF:73878.8/2

+ sign 206.033+/-0.050 χ^2/NDF: 4200931.7/20

All: 194.585+/-0.035 χ^2/NDF: 8894340.6/42

- sign 183.923+/-0.048 χ^2/NDF: 4591393.6/21



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

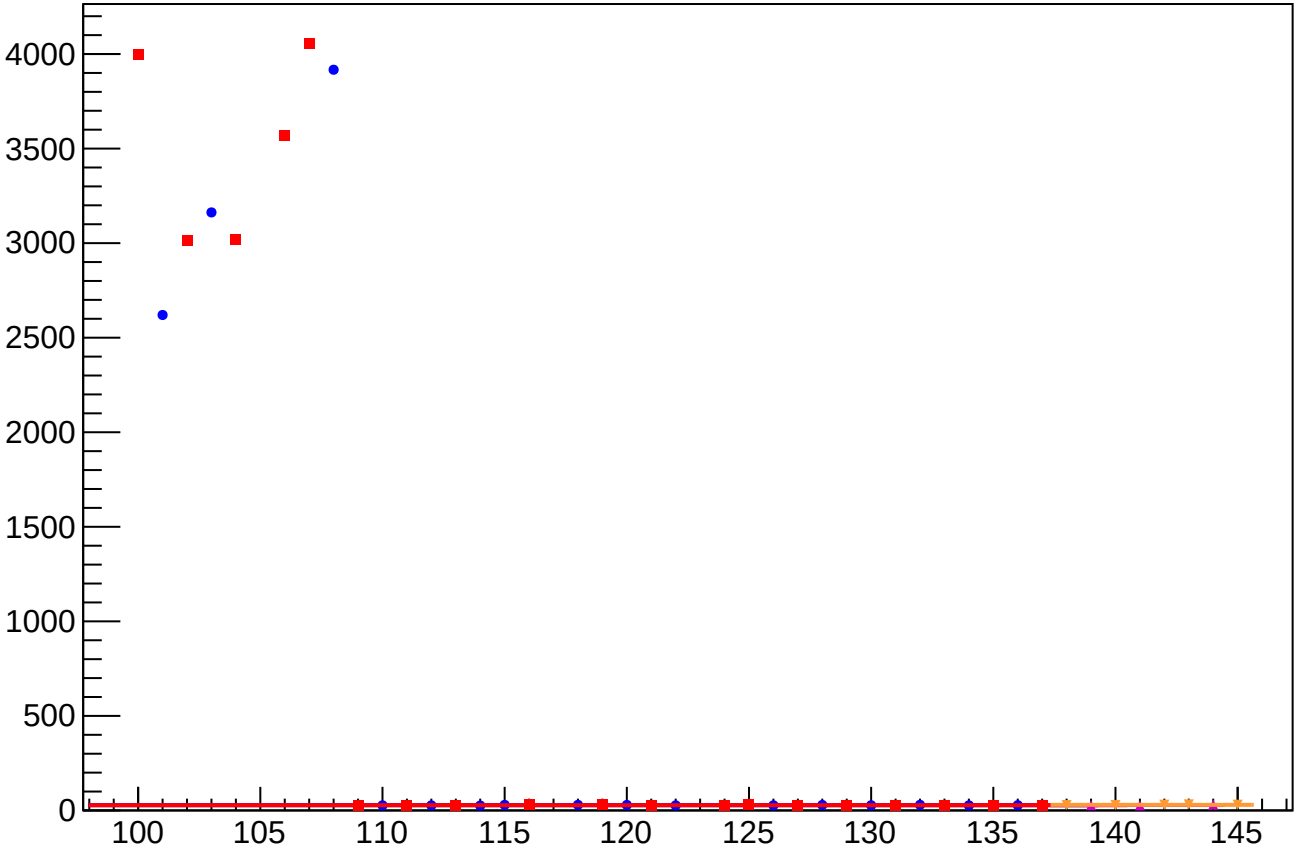
Left In: -8.790+/-17.772 χ^2/NDF:1.0/2

+ sign 2.751+/-9.372 χ^2/NDF: 26.7/20

All: -9.953+/-6.802 χ^2/NDF: 52.5/42

- sign -24.097+/-9.889 χ^2/NDF: 21.9/21

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

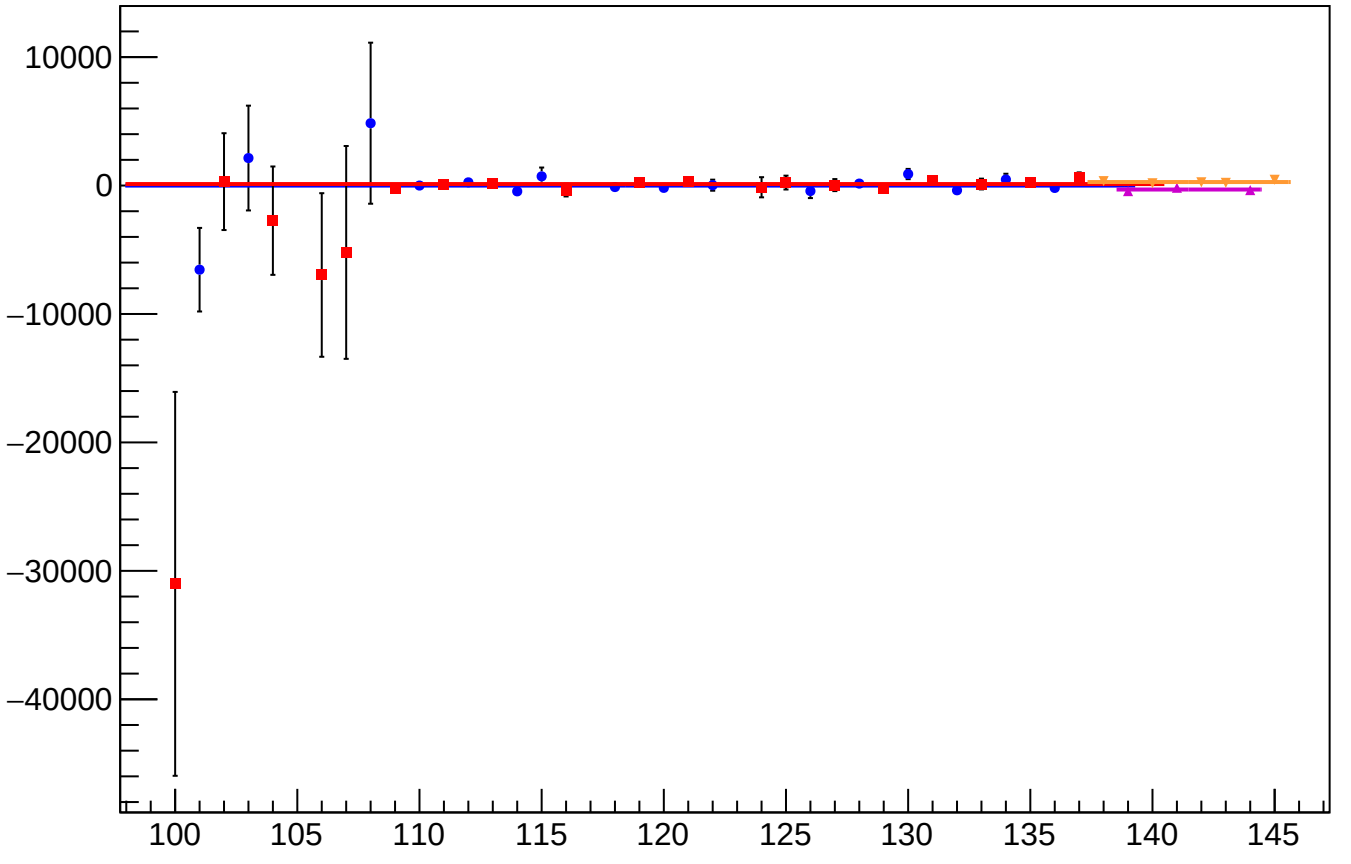
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.713+/-0.013 χ^2/NDF:18121.8/2

+ sign 28.479+/-0.007 χ^2/NDF: 3300906.3/20

All: 28.276+/-0.005 χ^2/NDF: 6883705.1/42

- sign 28.051+/-0.007 χ^2/NDF: 3580825.1/21



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 272.944+/-129.417 χ^2/NDF:0.5/4

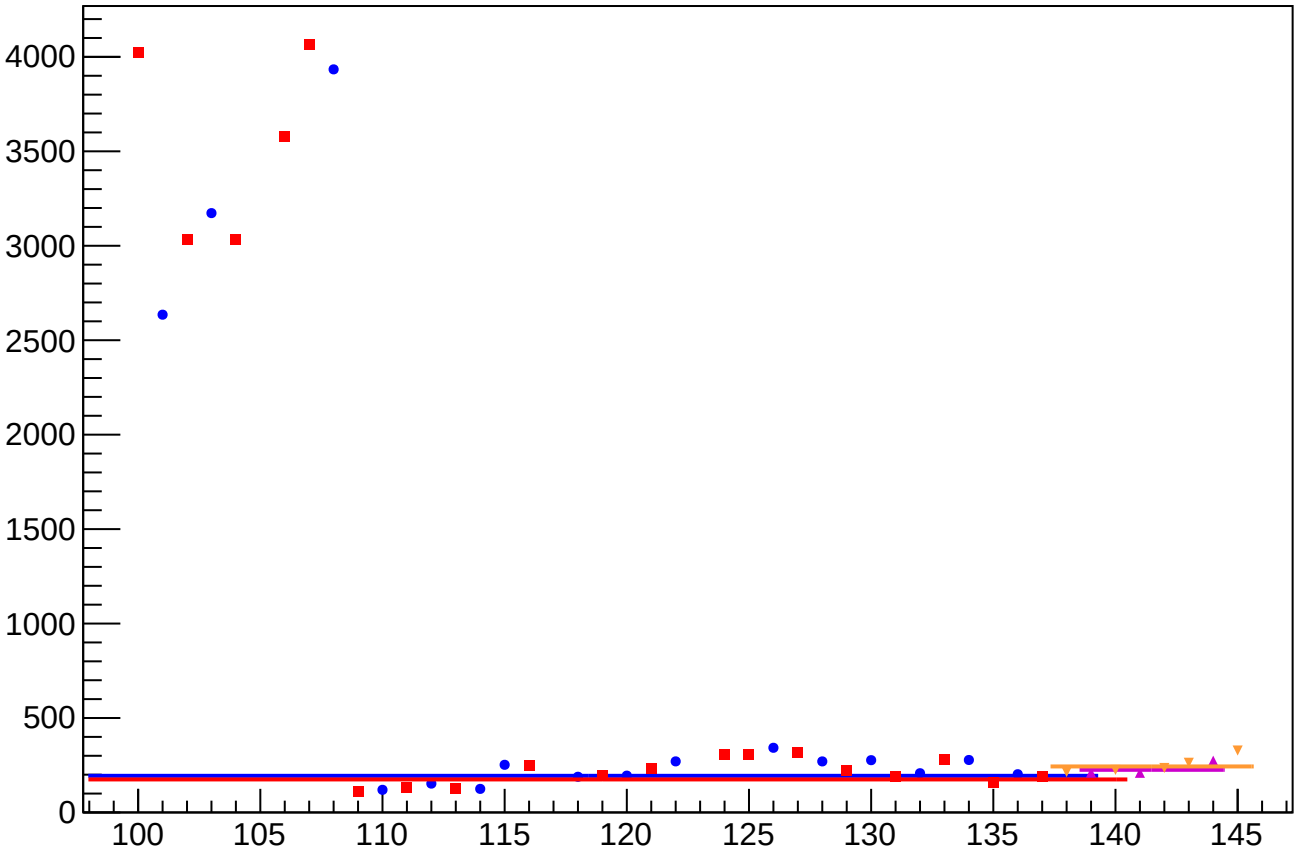
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -310.438+/-141.289 χ^2/NDF:0.7/2

\+ sign 80.998+/-71.342 χ^2/NDF: 21.9/20

All: 46.518+/-49.569 χ^2/NDF: 43.8/42

\- sign 14.338+/-68.922 χ^2/NDF: 21.4/21



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 243.559+/-0.092 χ^2/NDF:156961.7/4

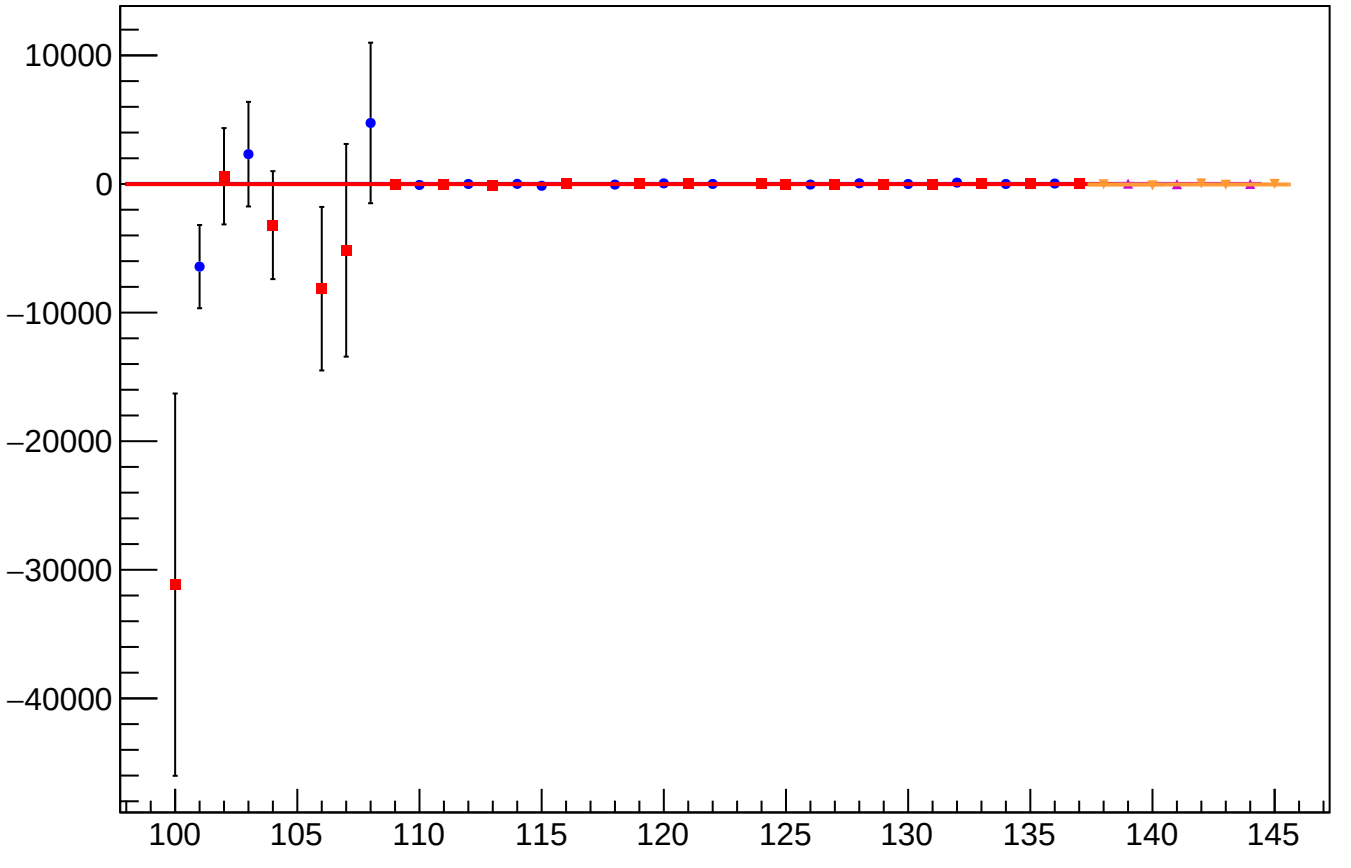
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 225.701+/-0.100 χ^2/NDF:73049.8/2

+ sign 209.023+/-0.050 χ^2/NDF: 4146034.2/20

All: 197.578+/-0.035 χ^2/NDF: 8775887.5/42

- sign 186.897+/-0.049 χ^2/NDF: 4530344.1/21



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

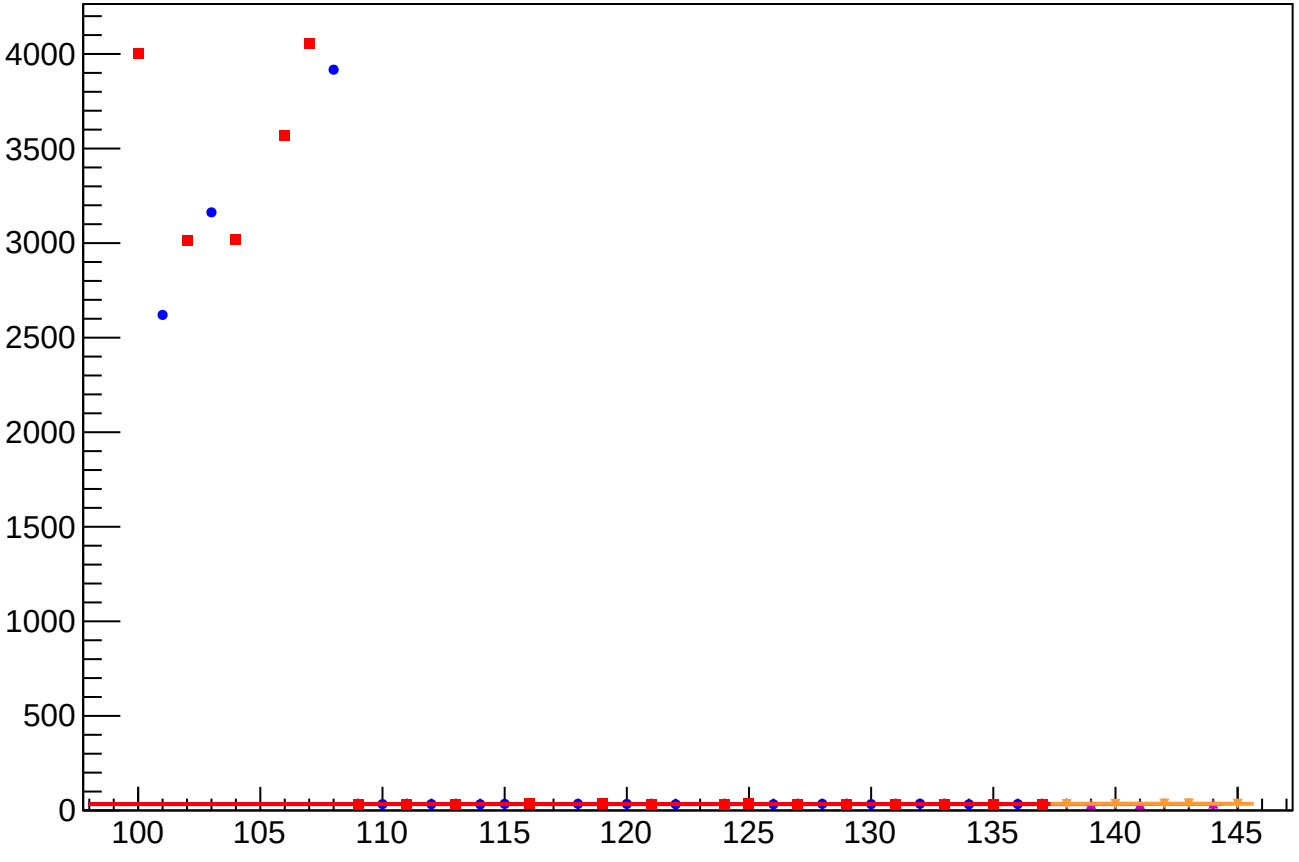
Left In: 6.778+/-21.332 χ^2/NDF:0.8/2

\+ sign -9.947+/-11.290 χ^2/NDF: 28.1/20

All: -7.489+/-8.208 χ^2/NDF: 52.8/42

\- sign -4.734+/-11.954 χ^2/NDF: 24.6/21

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

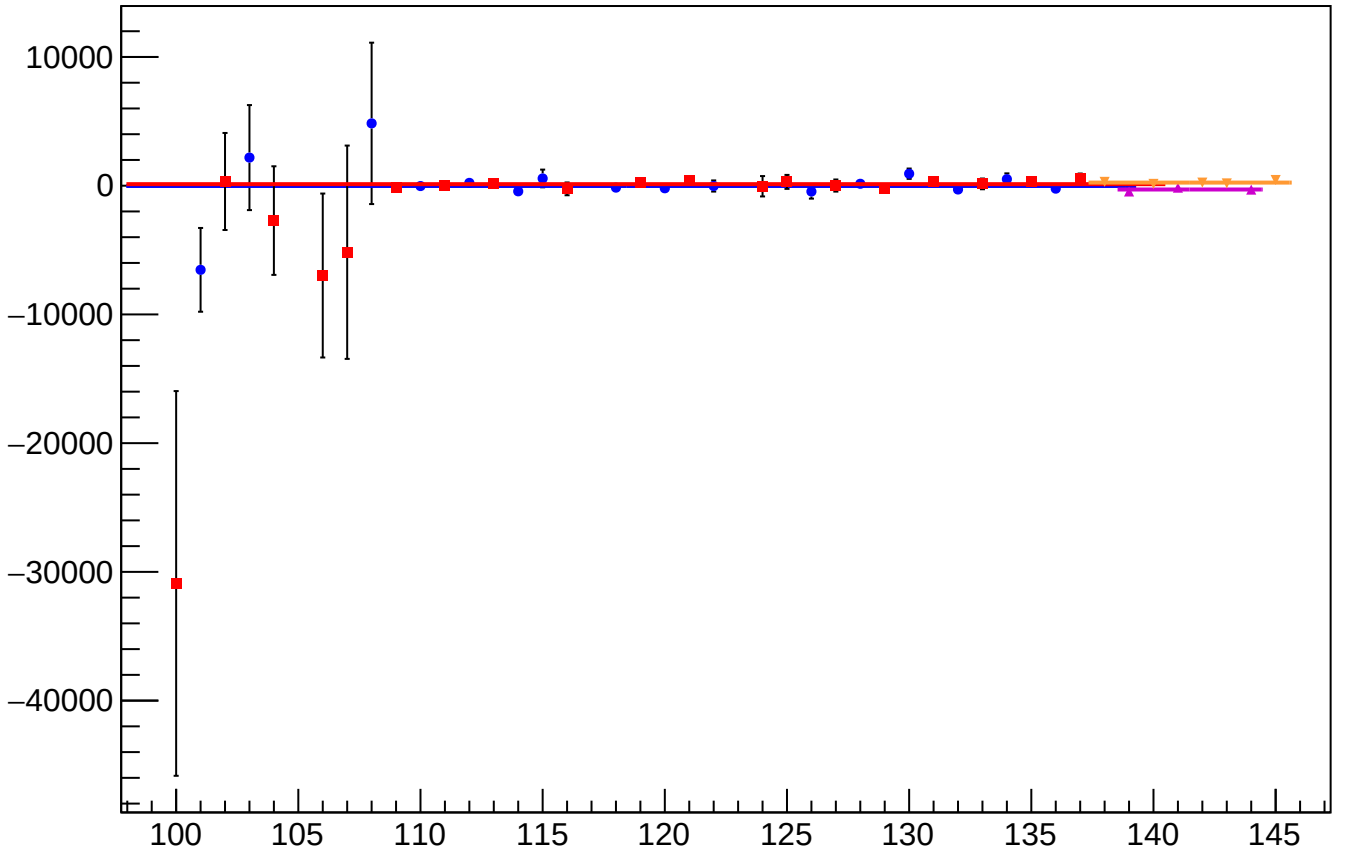
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.540+/-0.015 χ^2/NDF:5838.7/2

+ sign 34.395+/-0.008 χ^2/NDF: 3256958.5/20

All: 34.200+/-0.006 χ^2/NDF: 6792518.7/42

- sign 33.982+/-0.008 χ^2/NDF: 3534299.0/21



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 241.862+/-128.351 χ^2/NDF:0.6/4

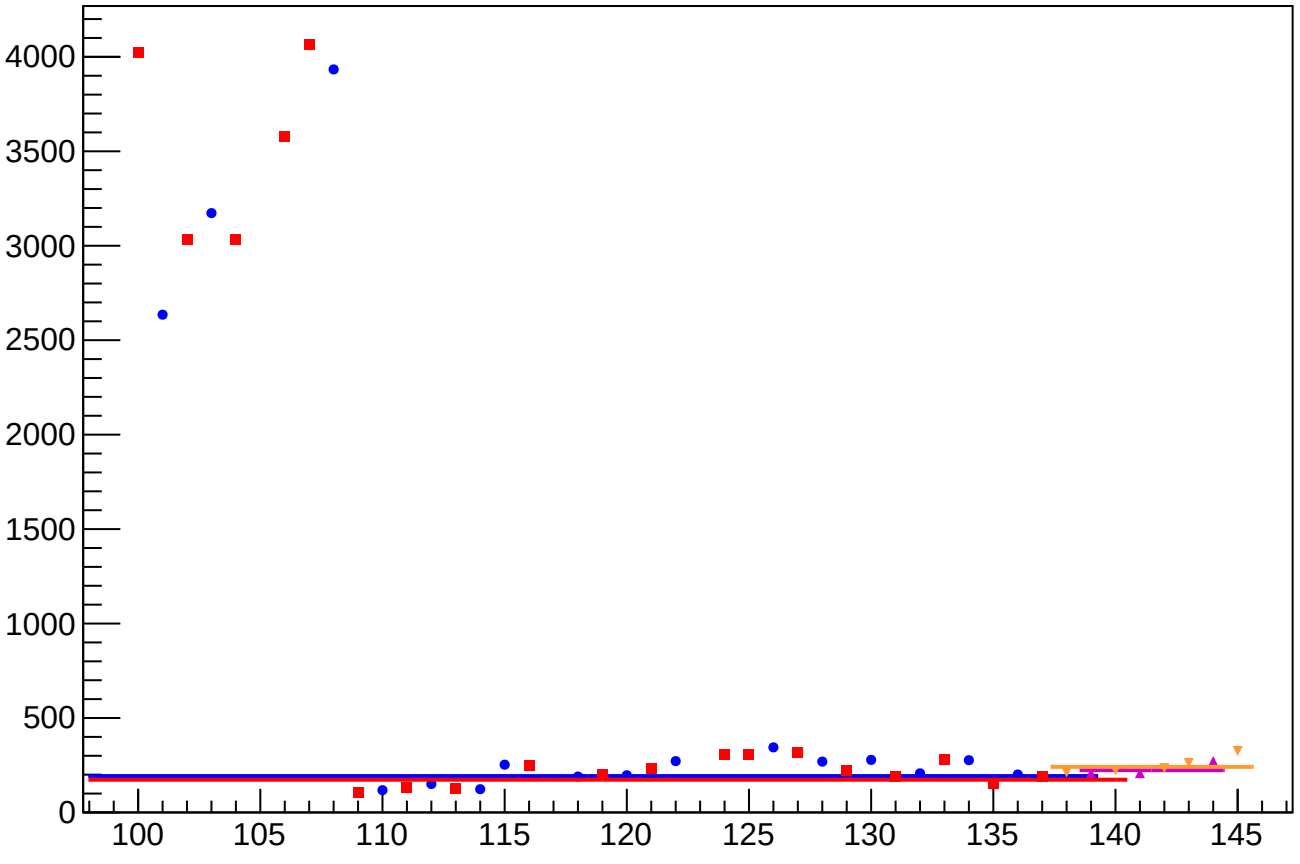
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -295.512+/-140.214 χ^2/NDF:0.9/2

+ sign 60.247+/-70.905 χ^2/NDF: 21.6/20

All: 39.869+/-49.252 χ^2/NDF: 42.6/42

- sign 20.869+/-68.466 χ^2/NDF: 20.8/21



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 241.483+/-0.091 χ^2/NDF:160204.6/4

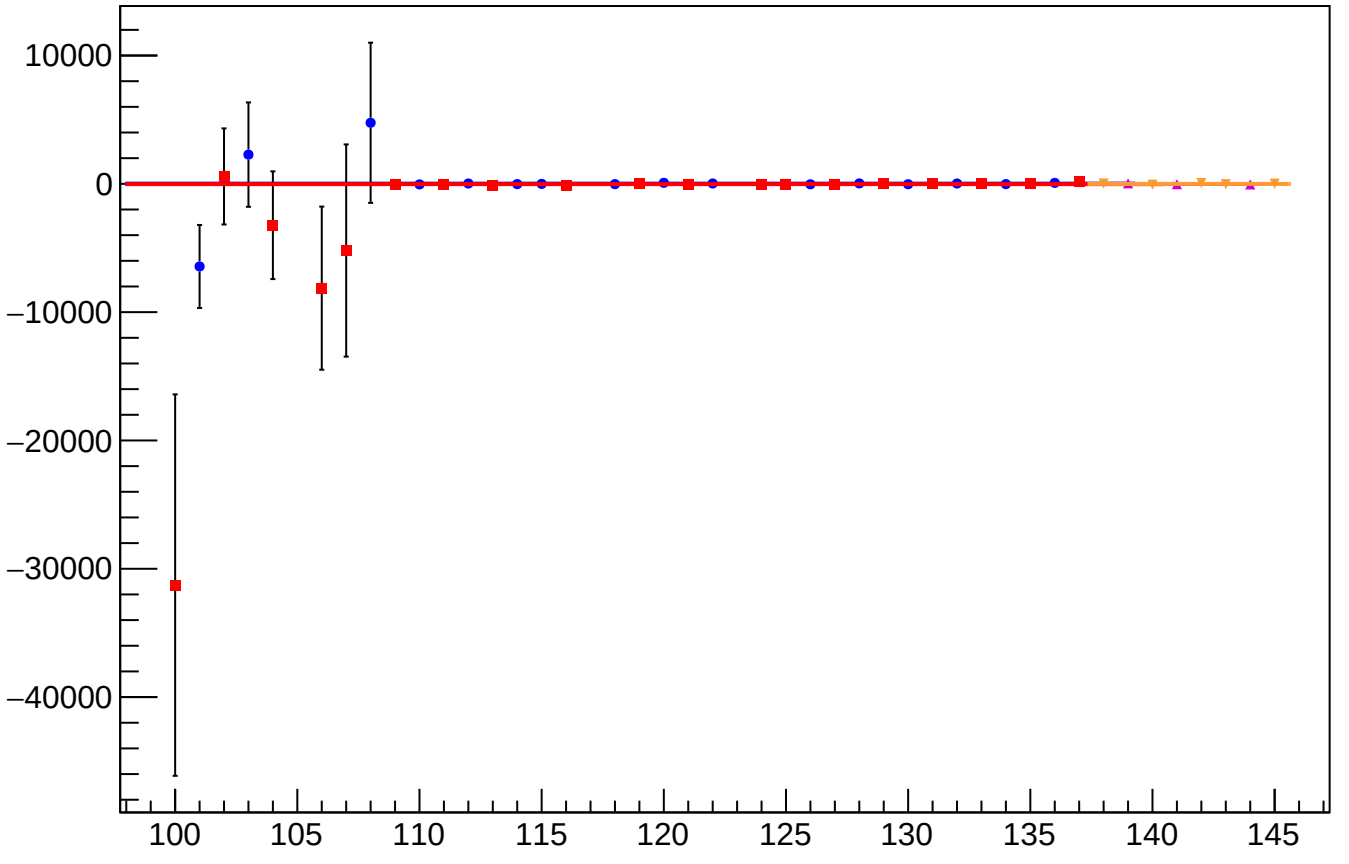
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 223.955+/-0.099 χ^2/NDF:73418.4/2

+ sign 207.490+/-0.050 χ^2/NDF: 4184891.1/20

All: 196.027+/-0.035 χ^2/NDF: 8865940.4/42

- sign 185.339+/-0.048 χ^2/NDF: 4580034.7/21



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -6.917+/-16.946 χ^2/NDF:6.5/4

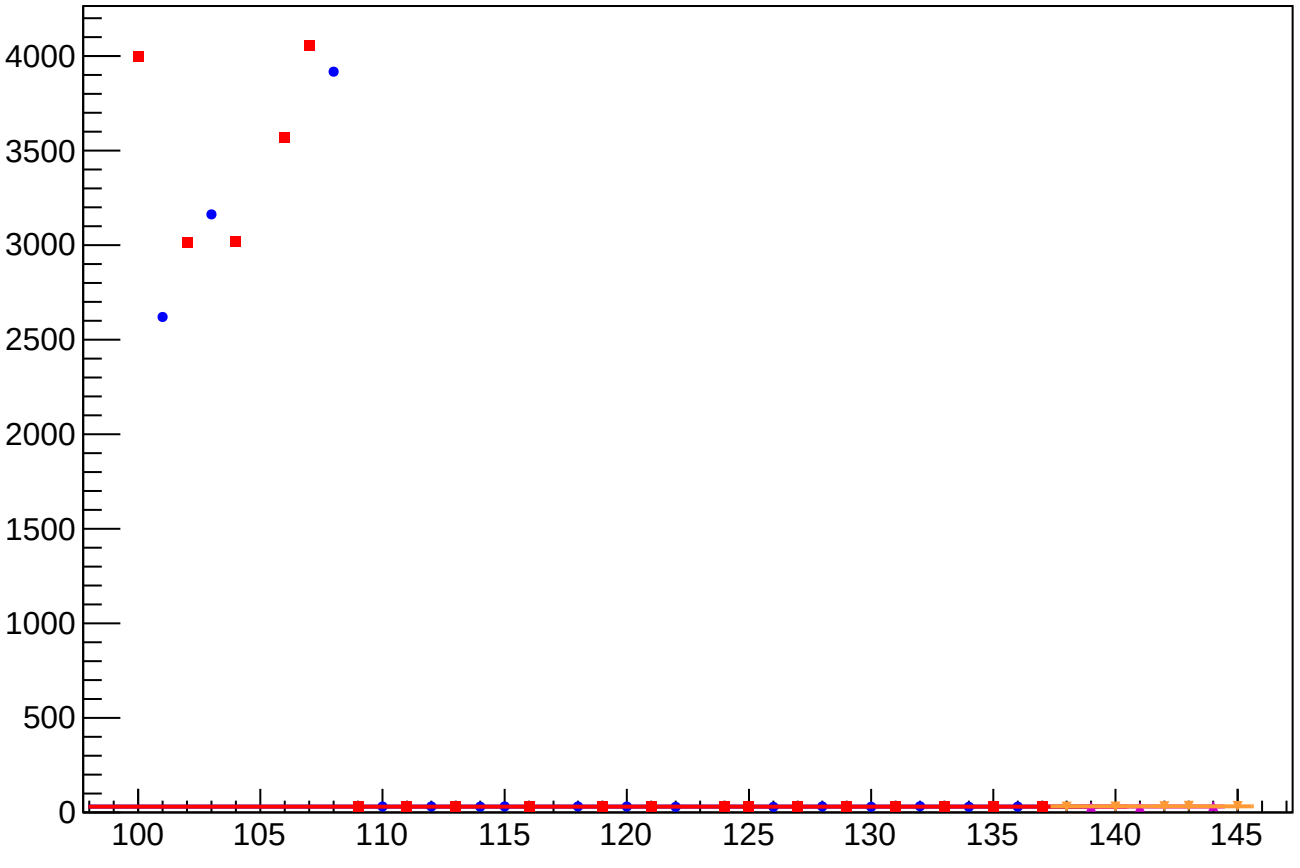
Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: -10.439+/-19.441 χ^2/NDF:3.6/2

+ sign 6.024+/-10.345 χ^2/NDF: 22.9/20

All: -5.920+/-7.507 χ^2/NDF: 58.3/42

- sign -19.202+/-10.910 χ^2/NDF: 32.6/21



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.401+/-0.012 χ^2/NDF:17658.3/4

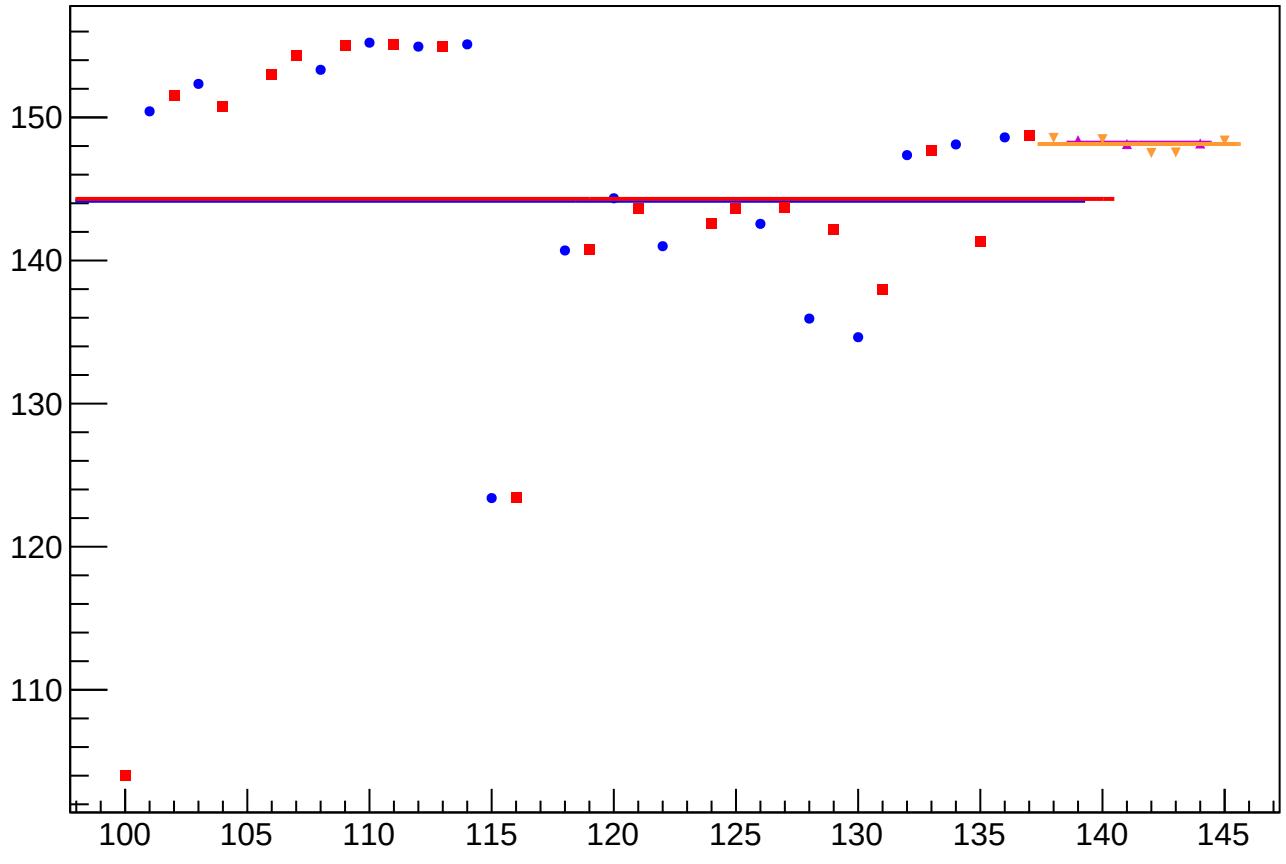
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.442+/-0.014 χ^2/NDF:14658.5/2

+ sign 31.477+/-0.007 χ^2/NDF: 3279737.2/20

All: 31.245+/-0.005 χ^2/NDF: 6834365.2/42

- sign 30.987+/-0.008 χ^2/NDF: 3552498.2/21



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

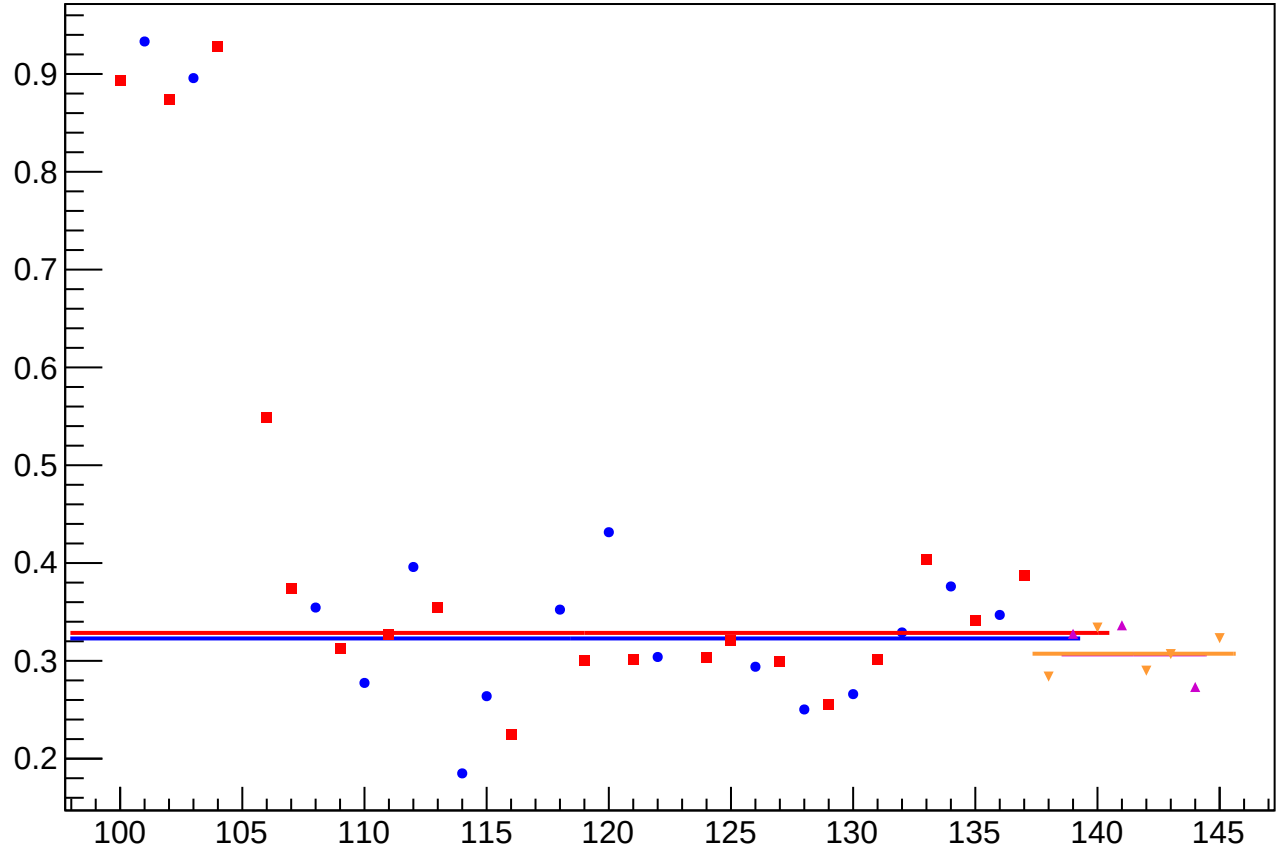
Left In: 148.234+/-0.000 χ^2/NDF:336770.6/2

+ sign 145.736+/-0.000 χ^2/NDF: 4085607213.8/20

All: 145.657+/-0.000 χ^2/NDF: 8631818398.2

- sign 145.567+/-0.000 χ^2/NDF: 4544942643.7/21

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

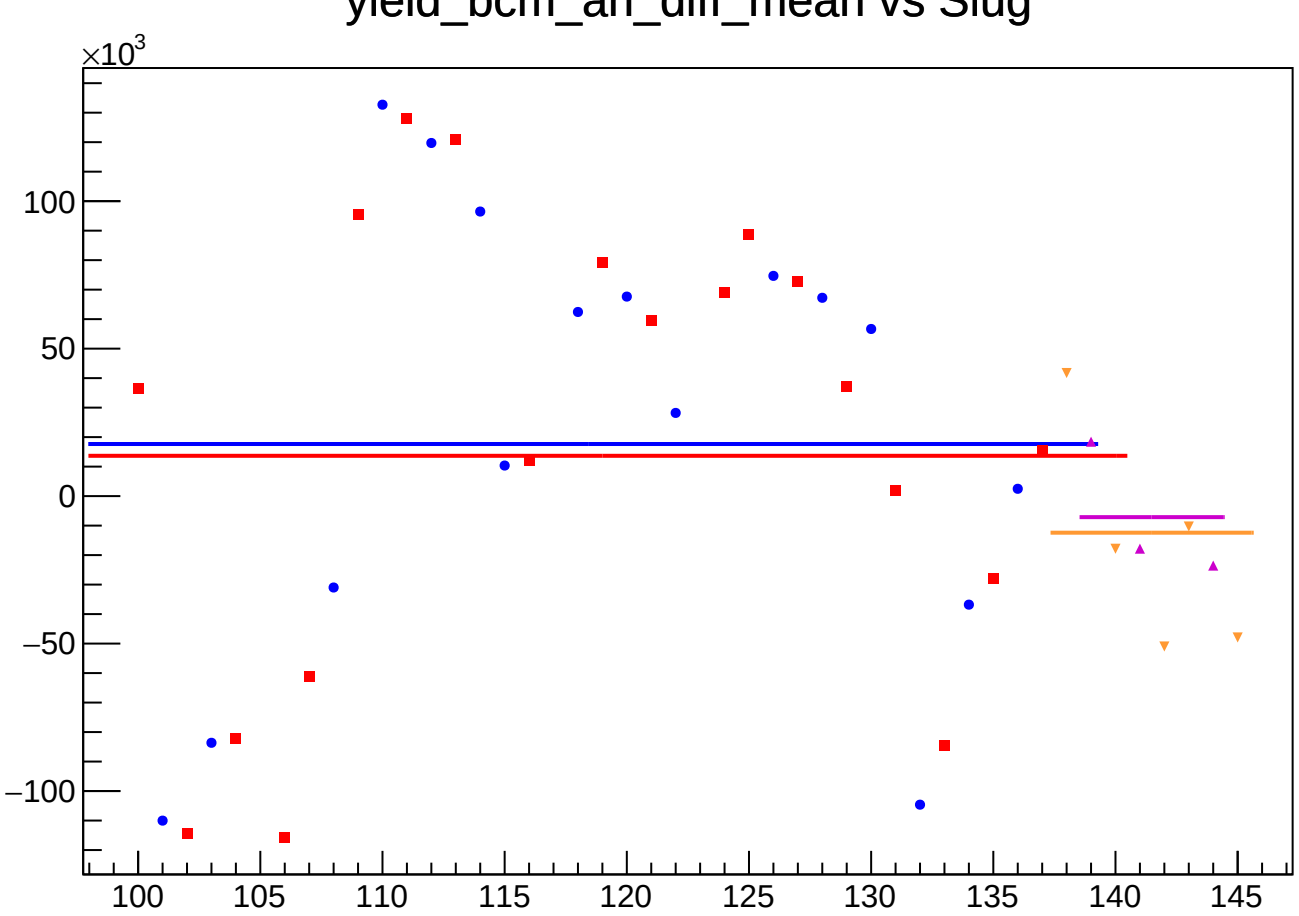
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.307+/-0.000 χ^2/NDF:45827.5/2

+ sign 0.317+/-0.000 χ^2/NDF: 1434279.2/20

All: 0.319+/-0.000 χ^2/NDF: 2803742.0/42

- sign 0.322+/-0.000 χ^2/NDF: 1367464.3/21



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

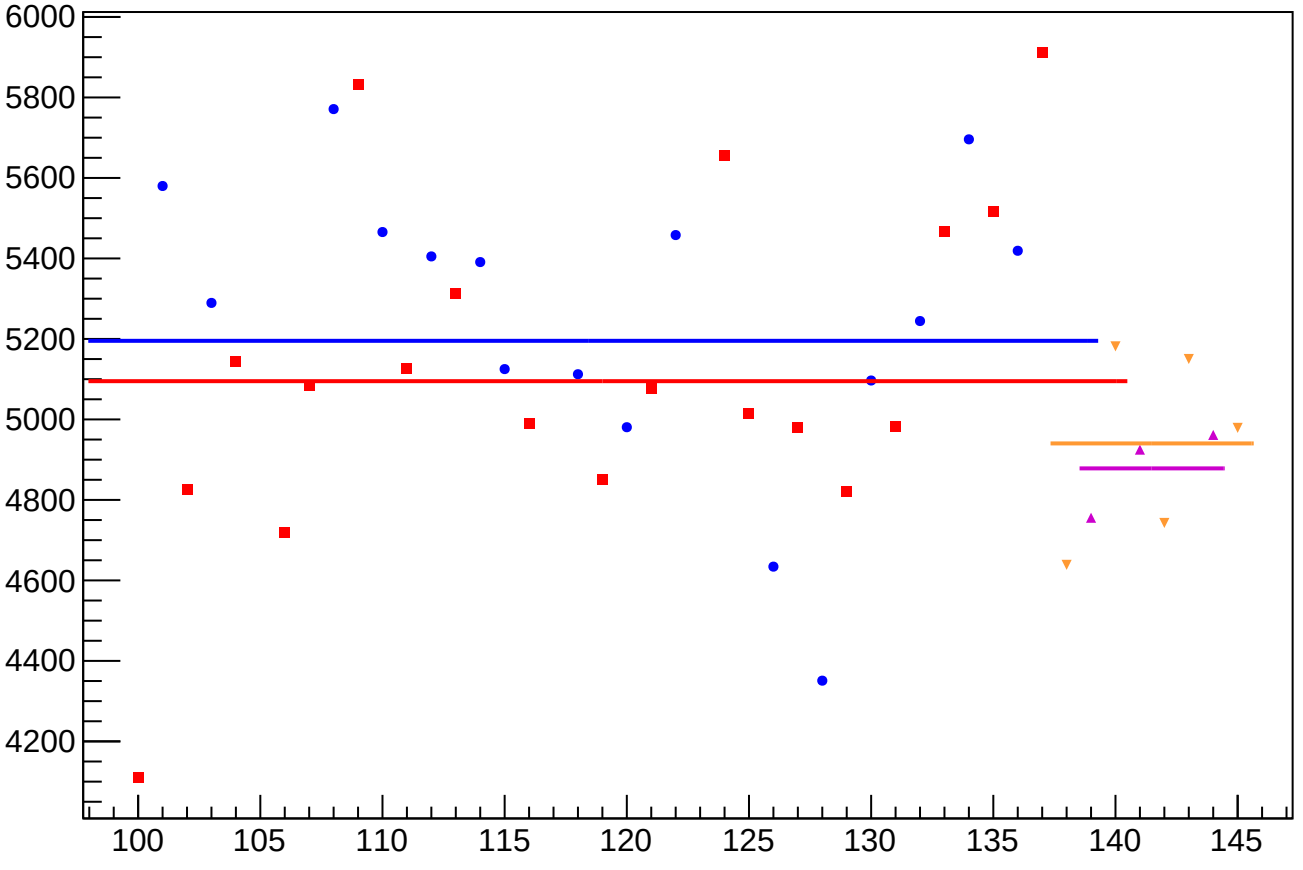
Left In: -7130.204+/-3.129 χ^2/NDF:36038156.5/2

+ sign 6779.906+/-1.602 χ^2/NDF: 1648852462.3/20

All: 7354.131+/-1.146 χ^2/NDF: 3574168789.

- sign 7955.585+/-1.639 χ^2/NDF: 1925053246.0/21

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

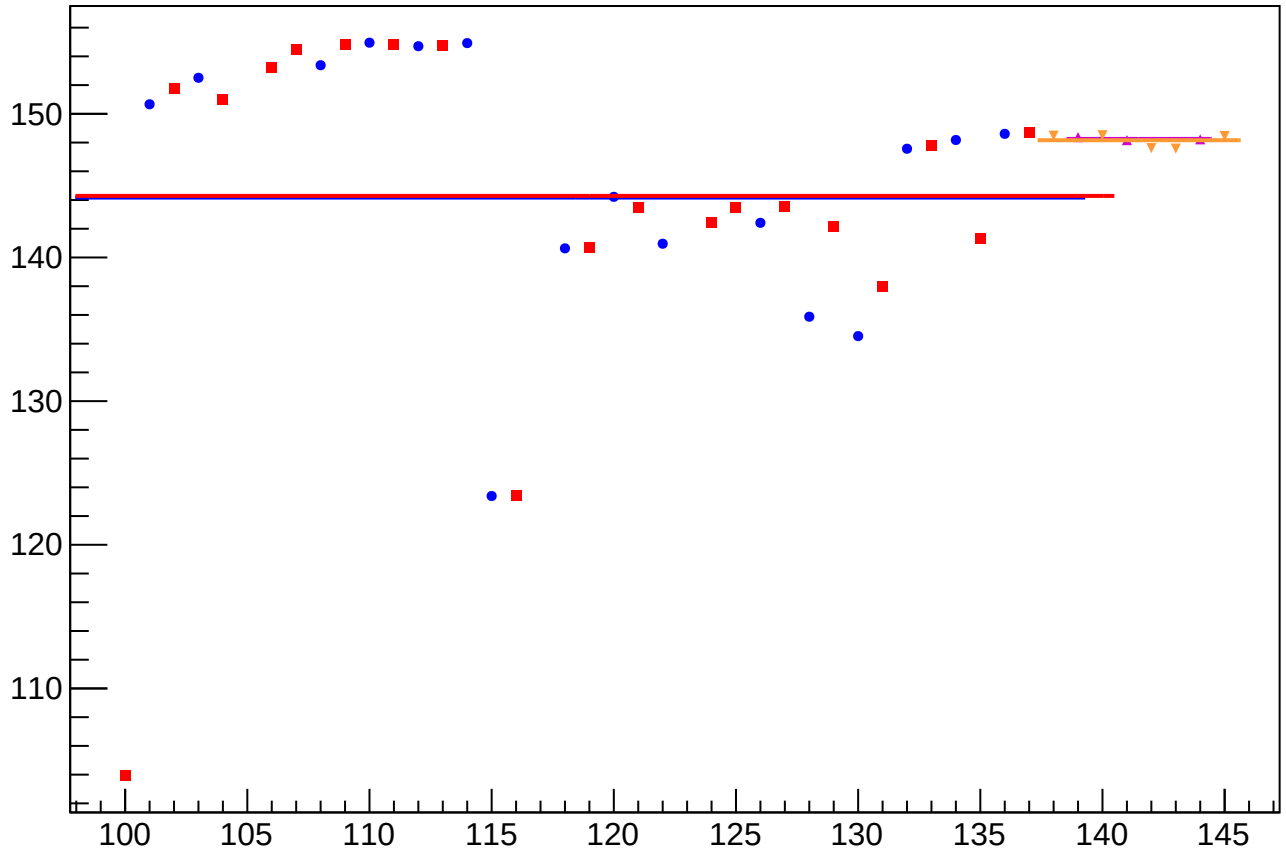
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4878.327+/-2.212 χ^2/NDF:1675.0/2

+ sign 5103.012+/-1.133 χ^2/NDF: 102639.3/20

All: 5070.055+/-0.810 χ^2/NDF: 172121.1/42

- sign 5035.536+/-1.159 χ^2/NDF: 67748.6/21



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

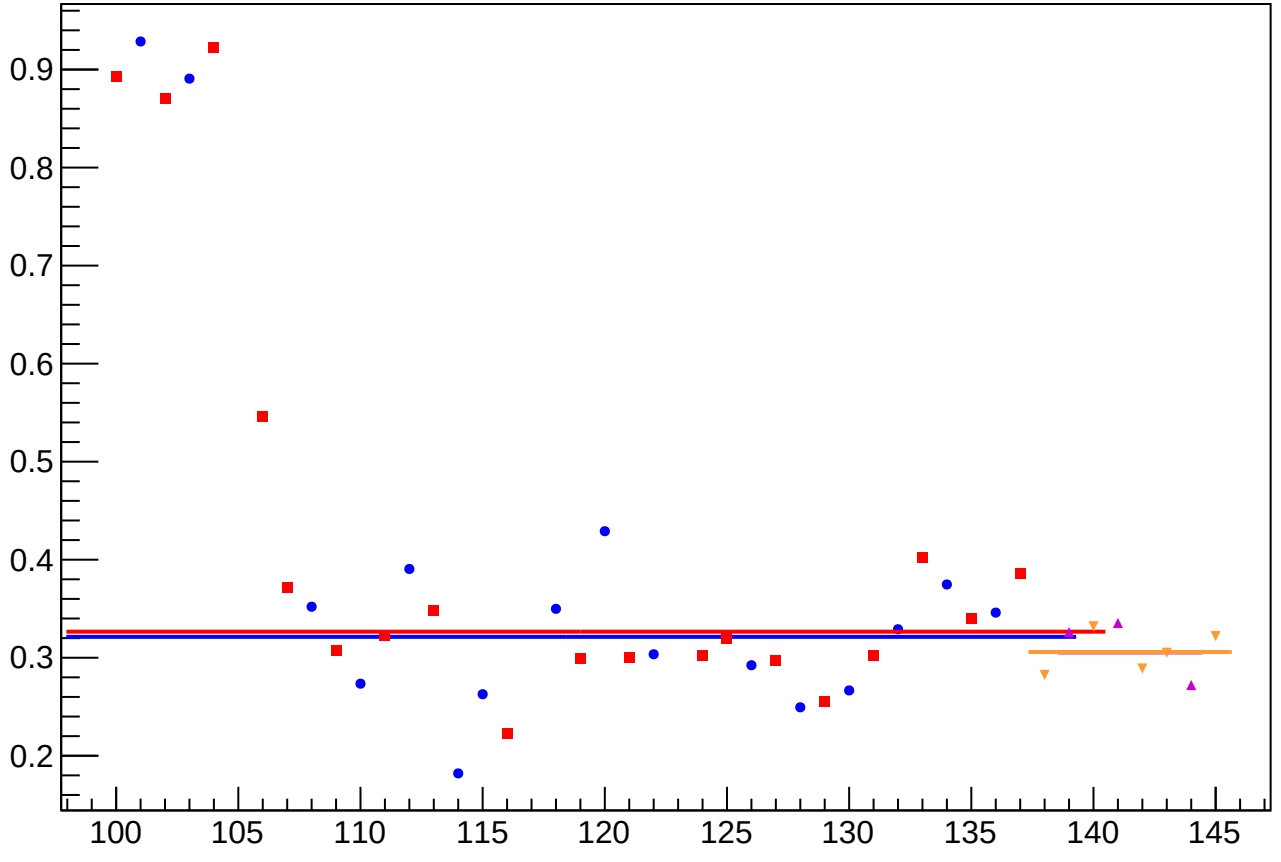
Left In: 148.253+/-0.000 χ^2/NDF:182051.9/2

+ sign 145.742+/-0.000 χ^2/NDF: 4132788419.1/20

All: 145.655+/-0.000 χ^2/NDF: 8712653687.1

- sign 145.557+/-0.000 χ^2/NDF: 4578343357.8/21

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

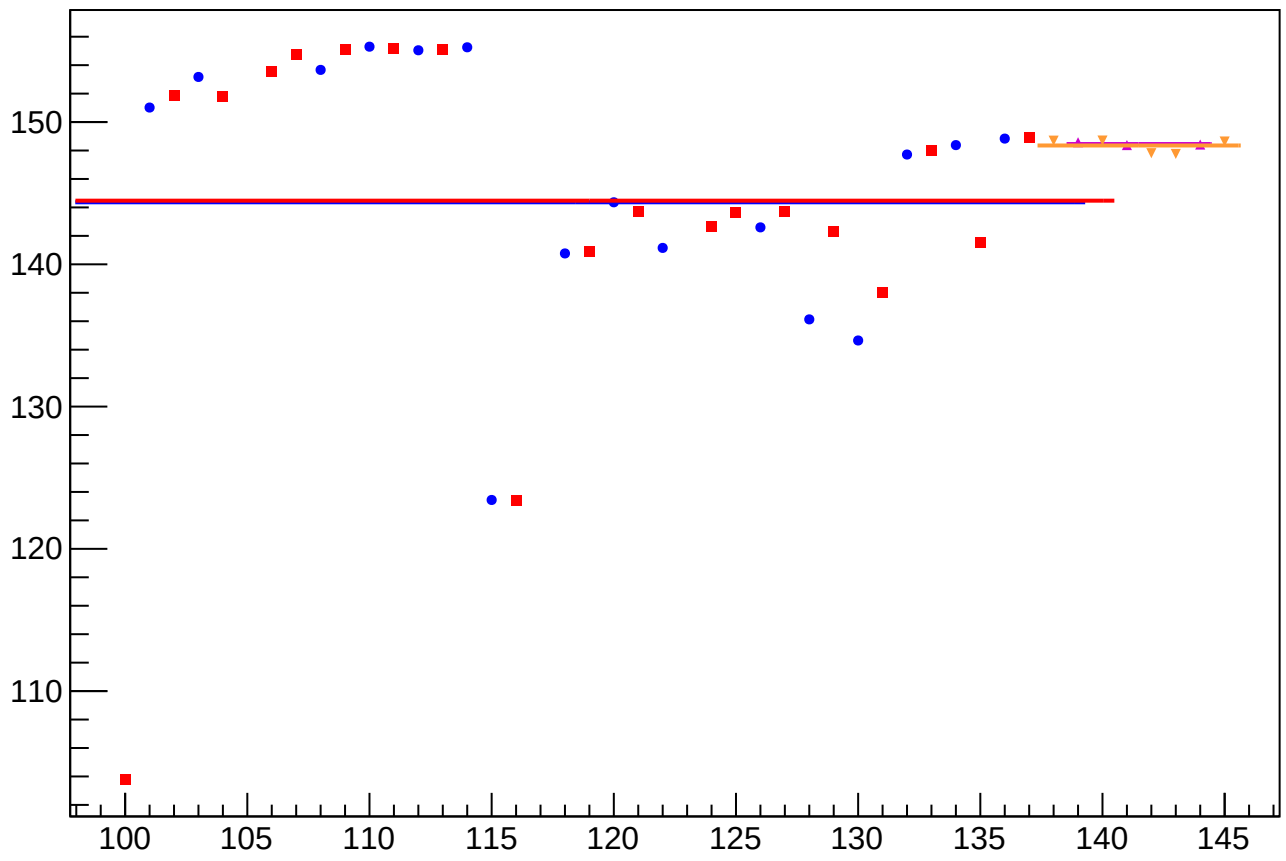
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.305+/-0.000 χ^2/NDF:46130.7/2

+ sign 0.315+/-0.000 χ^2/NDF: 1434388.6/20

All: 0.317+/-0.000 χ^2/NDF: 2801507.7/42

- sign 0.320+/-0.000 χ^2/NDF: 1365247.9/21



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

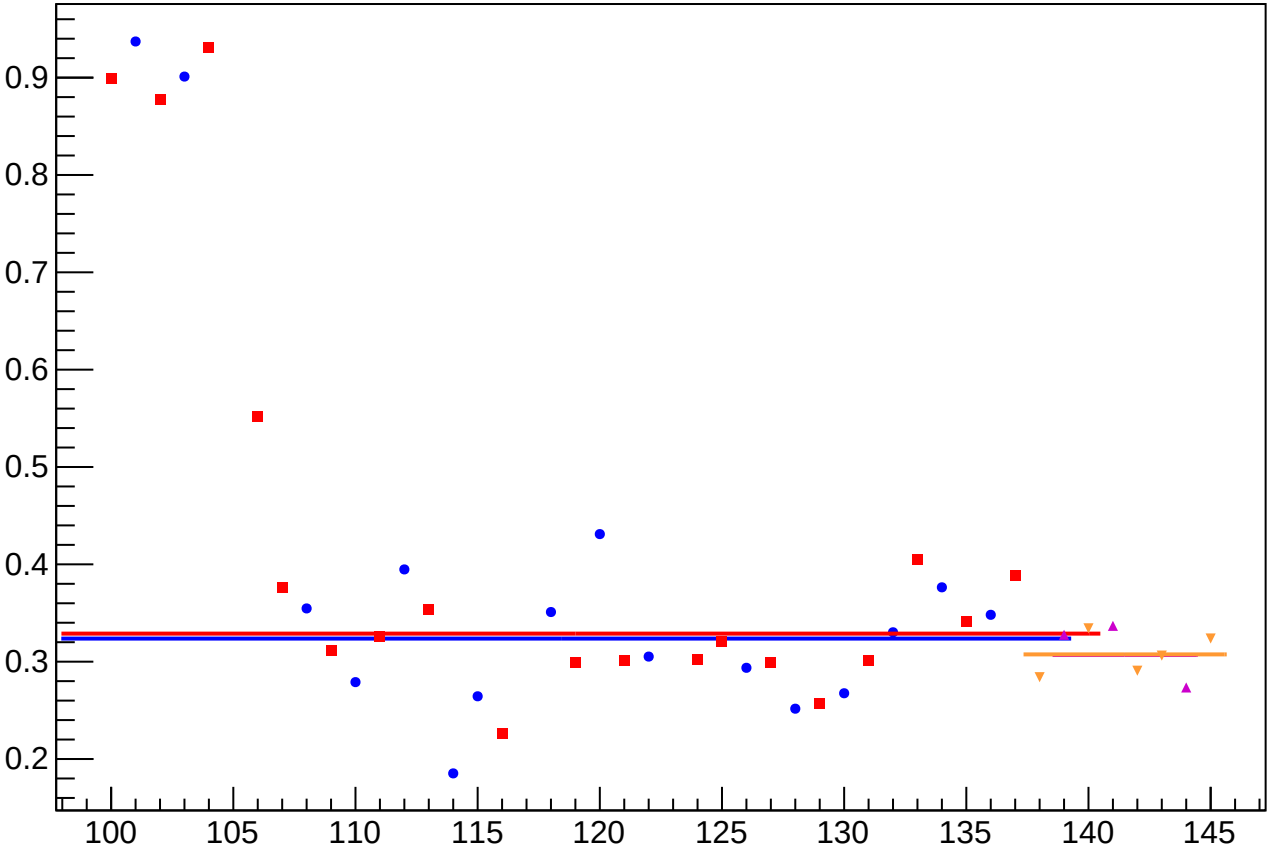
Left In: 148.456+/-0.000 χ^2/NDF:173802.0/2

+ sign 145.935+/-0.000 χ^2/NDF: 4122667251.0/20

All: 145.850+/-0.000 χ^2/NDF: 8693136450.4

- sign 145.753+/-0.000 χ^2/NDF: 4569008692.3/21

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

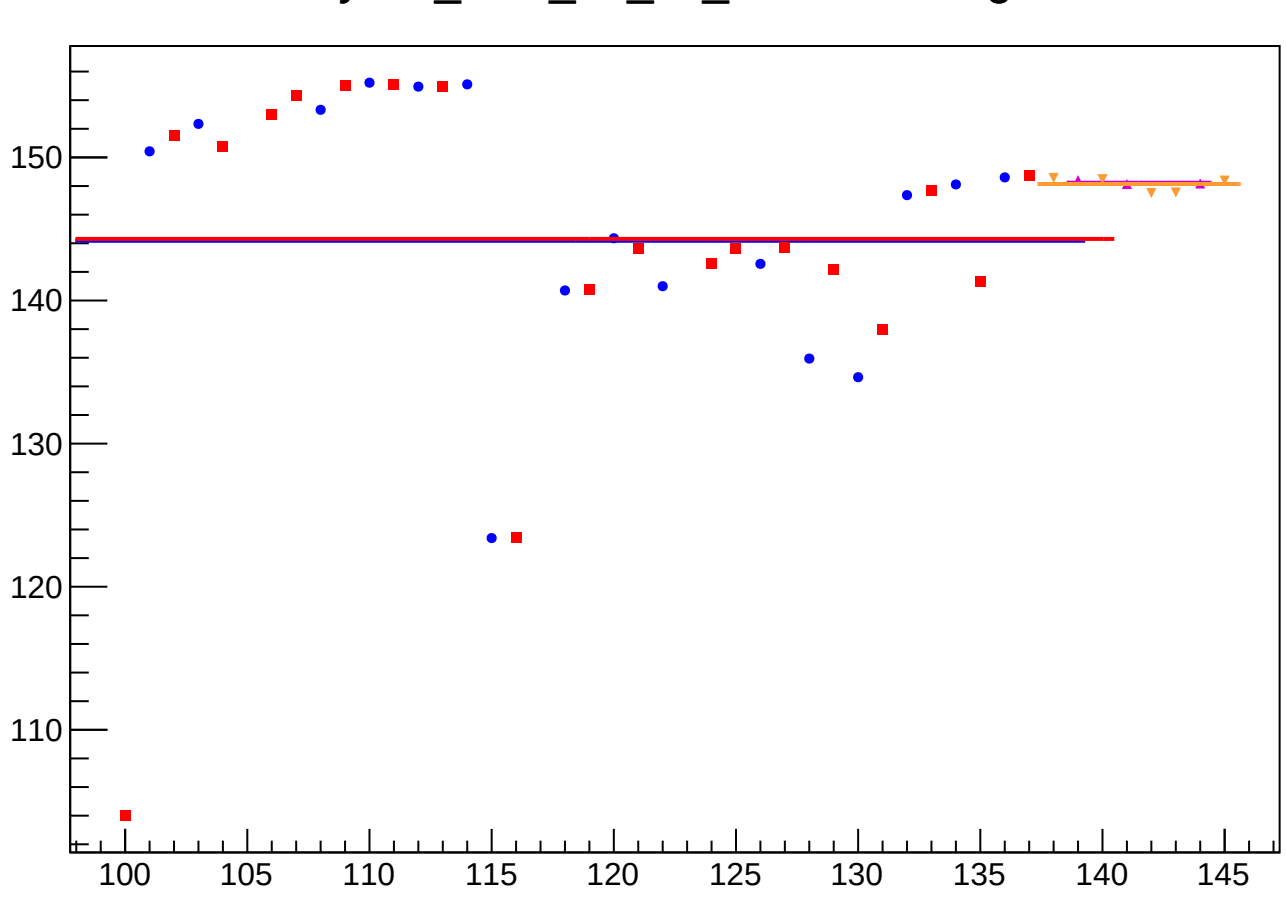
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.307+/-0.000 χ^2/NDF:45790.8/2

+ sign 0.317+/-0.000 χ^2/NDF: 1431610.8/20

All: 0.319+/-0.000 χ^2/NDF: 2799860.4/42

- sign 0.322+/-0.000 χ^2/NDF: 1366505.6/21



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

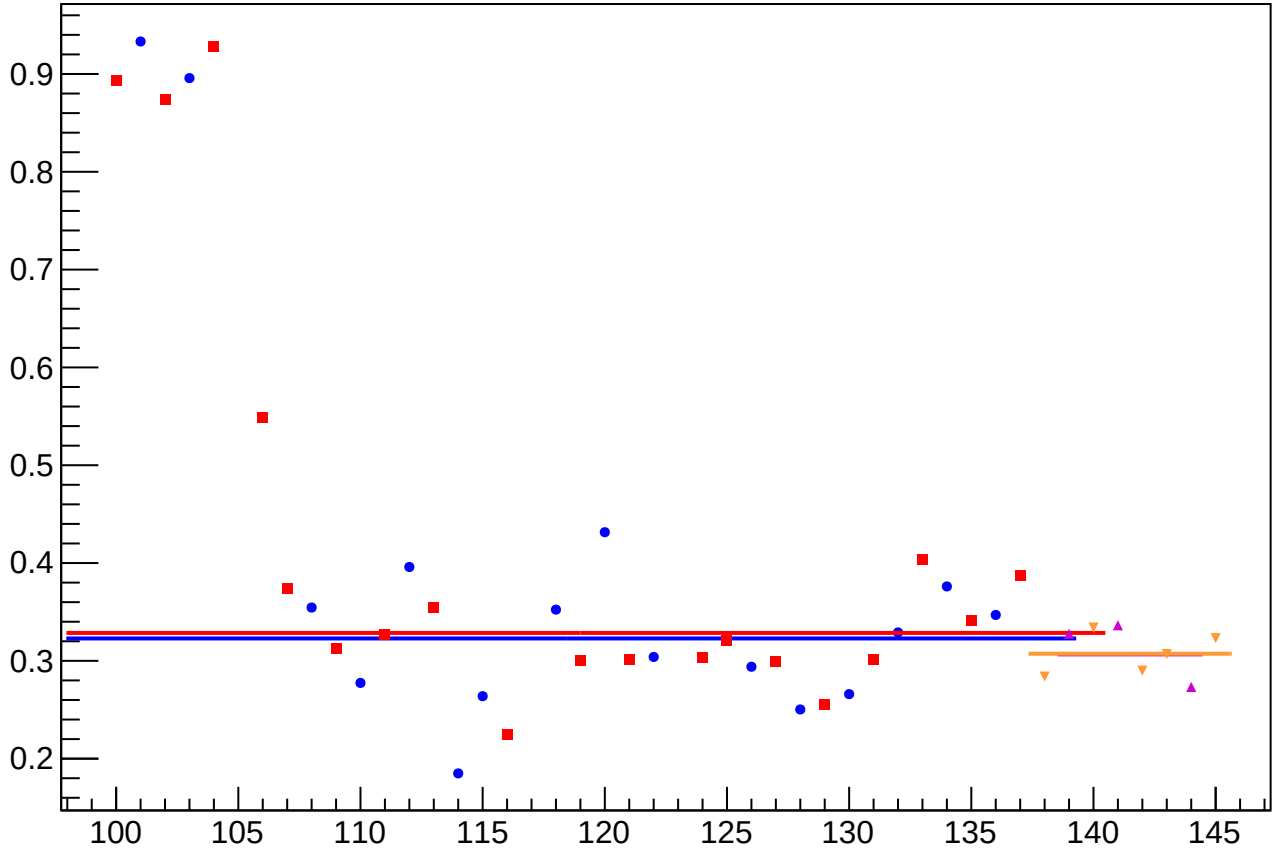
Left In: 148.234+/-0.000 χ^2/NDF:336770.6/2

+ sign 145.736+/-0.000 χ^2/NDF: 4085607213.8/20

All: 145.657+/-0.000 χ^2/NDF: 8631818398.2

- sign 145.567+/-0.000 χ^2/NDF: 4544942643.7/21

yield_bcm_an_us_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

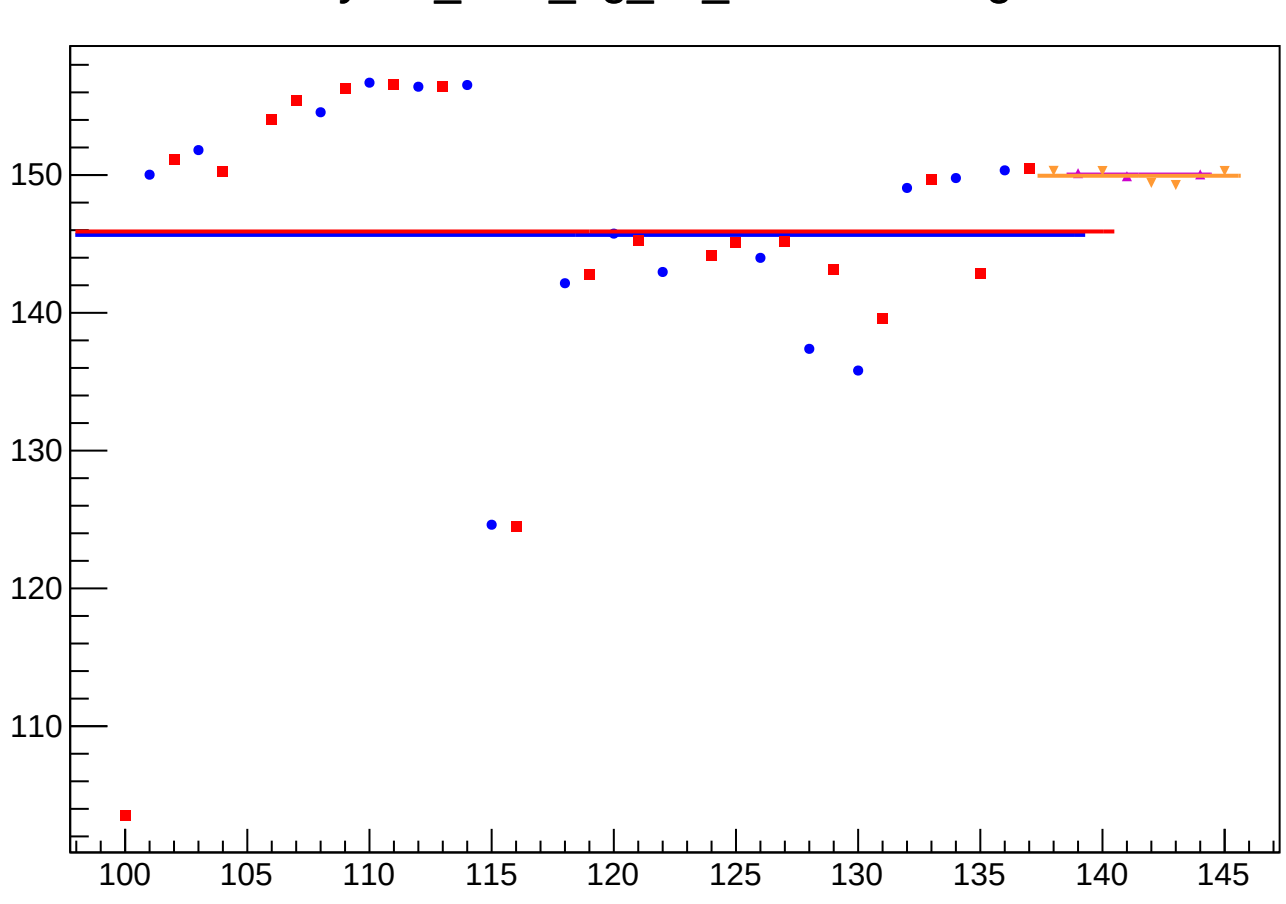
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.307+/-0.000 χ^2/NDF:45827.5/2

+ sign 0.317+/-0.000 χ^2/NDF: 1434279.2/20

All: 0.319+/-0.000 χ^2/NDF: 2803742.0/42

- sign 0.322+/-0.000 χ^2/NDF: 1367464.3/21



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.950+/-0.000 χ^2/NDF:6815024.6/4

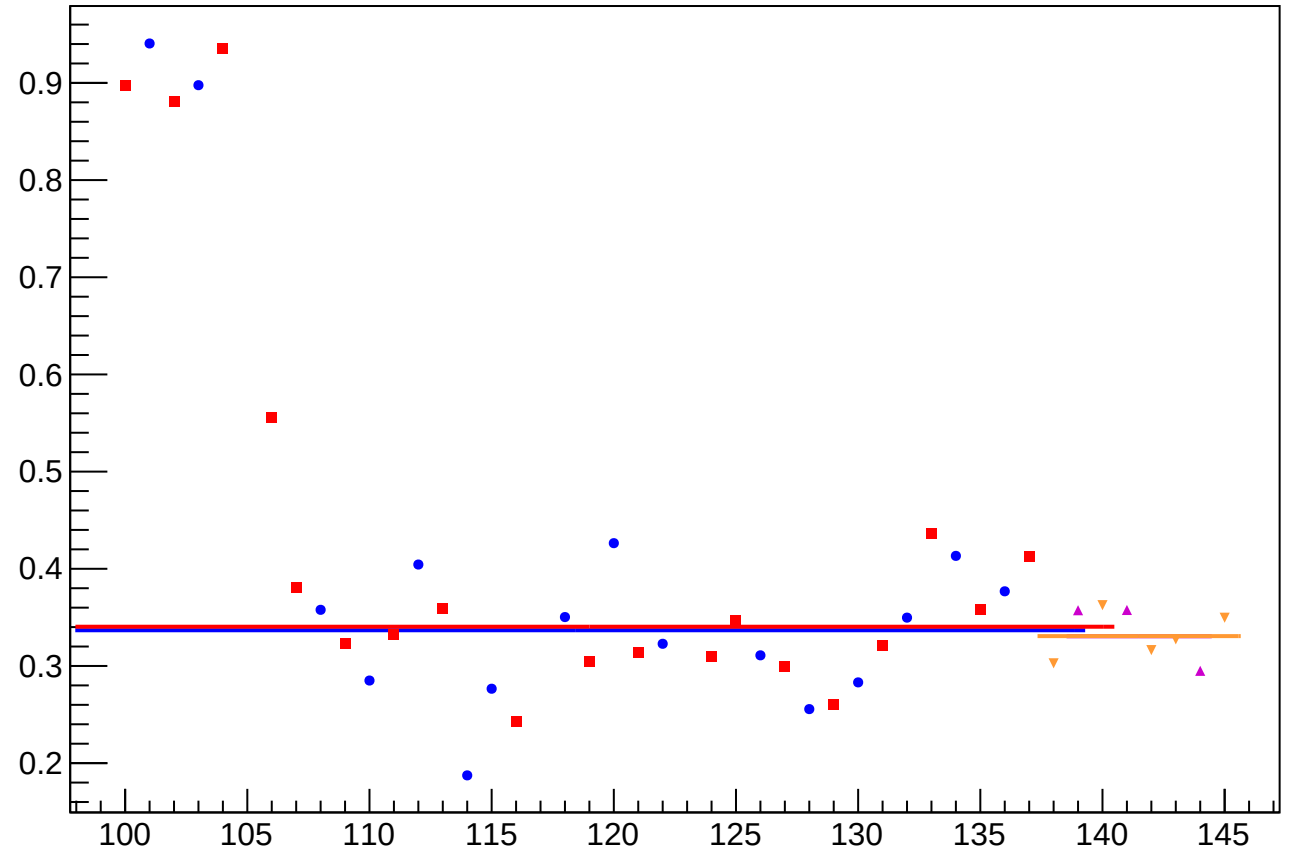
Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 150.035+/-0.000 χ^2/NDF:163125.3/2

+ sign 147.270+/-0.000 χ^2/NDF: 3851460100.1/20

All: 147.216+/-0.000 χ^2/NDF: 7986855083.7

- sign 147.156+/-0.000 χ^2/NDF: 4134876401.8/21



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.331+/-0.000 χ^2/NDF:31372.1/4

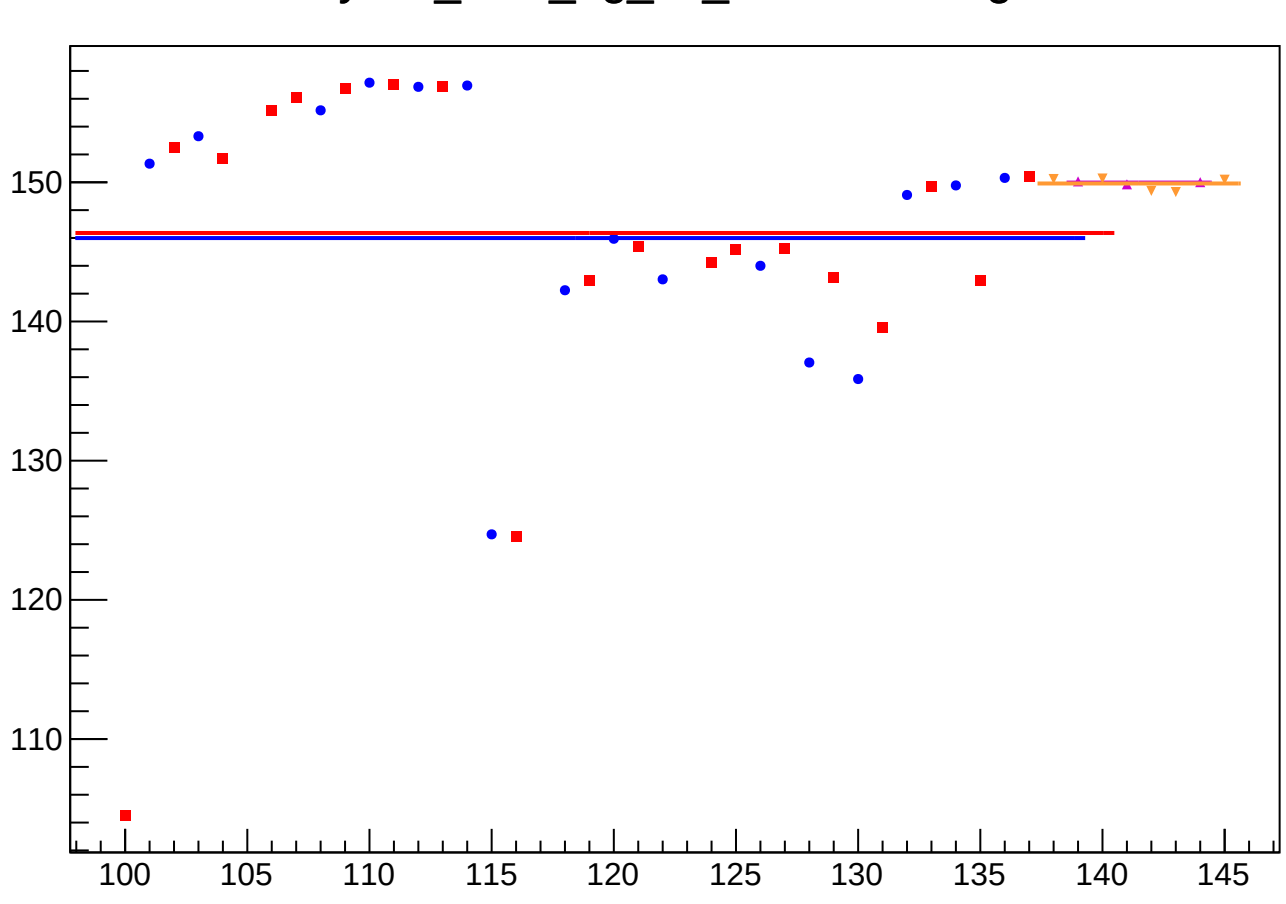
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.331+/-0.000 χ^2/NDF:43776.5/2

+ sign 0.334+/-0.000 χ^2/NDF: 1403316.3/20

All: 0.336+/-0.000 χ^2/NDF: 2725576.9/42

- sign 0.337+/-0.000 χ^2/NDF: 1321582.7/21



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

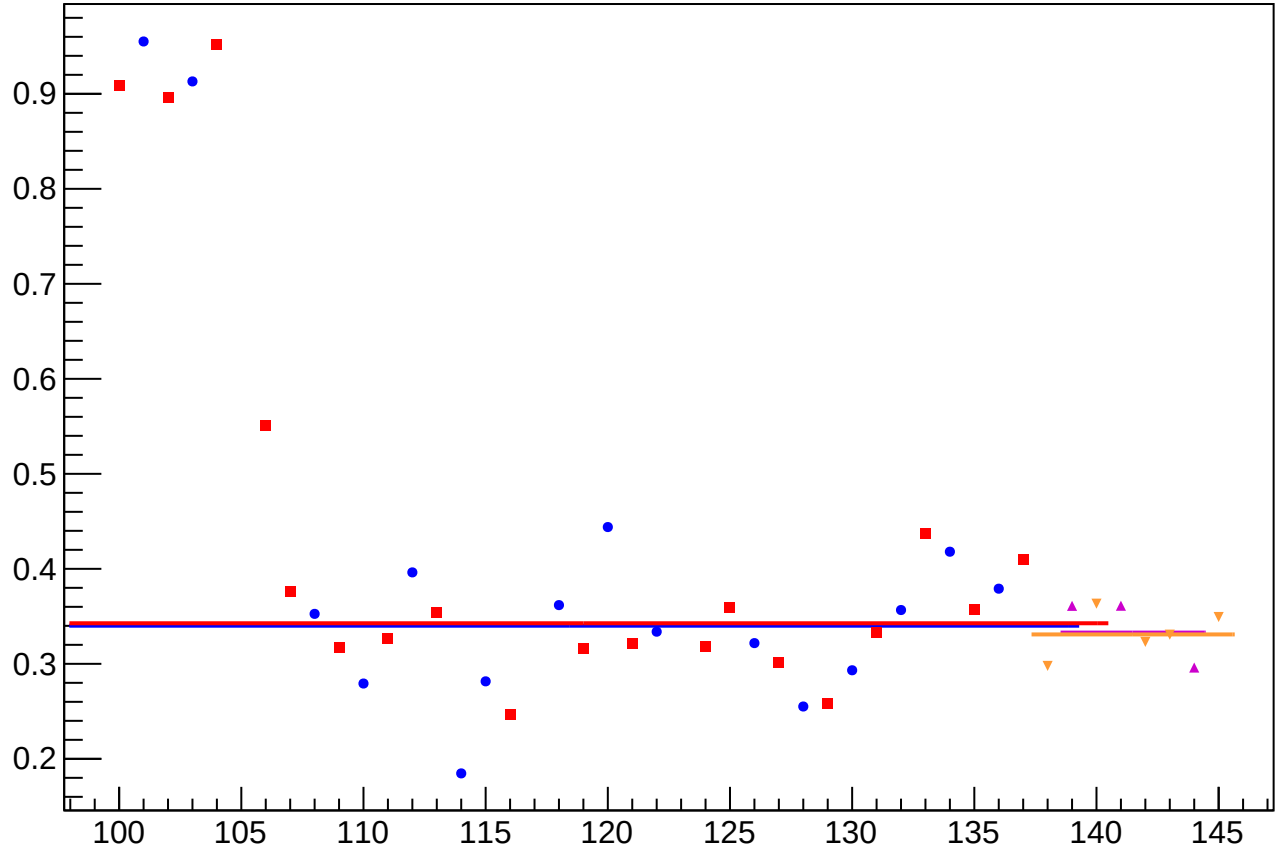
Left In: 149.980+/-0.000 χ^2/NDF:156107.1/2

+ sign 147.481+/-0.000 χ^2/NDF: 3926527394.1/20

All: 147.468+/-0.000 χ^2/NDF: 8095014023.2

- sign 147.453+/-0.000 χ^2/NDF: 4168456470.4/21

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

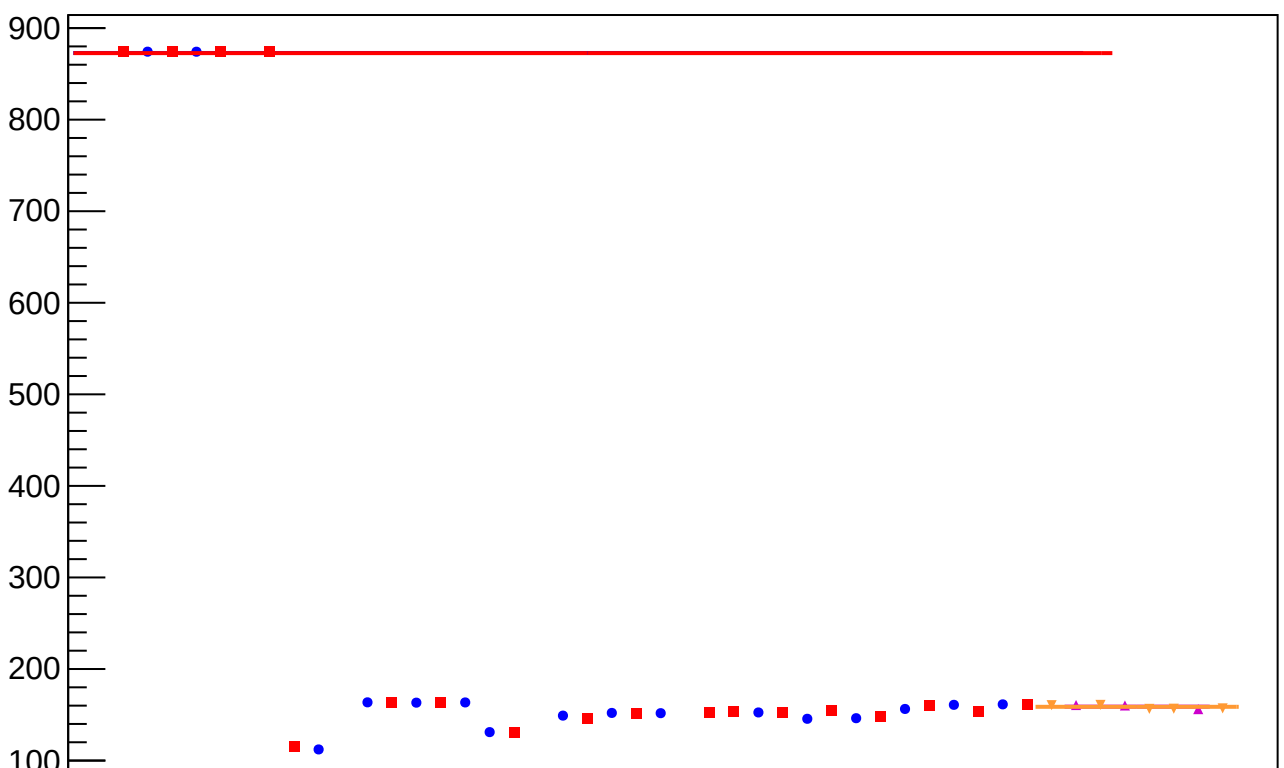
Left In: 0.333+/-0.000 χ^2/NDF:46566.1/2

+ sign 0.337+/-0.000 χ^2/NDF: 1431992.5/20

All: 0.338+/-0.000 χ^2/NDF: 2753051.1/42

- sign 0.340+/-0.000 χ^2/NDF: 1320318.8/21

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

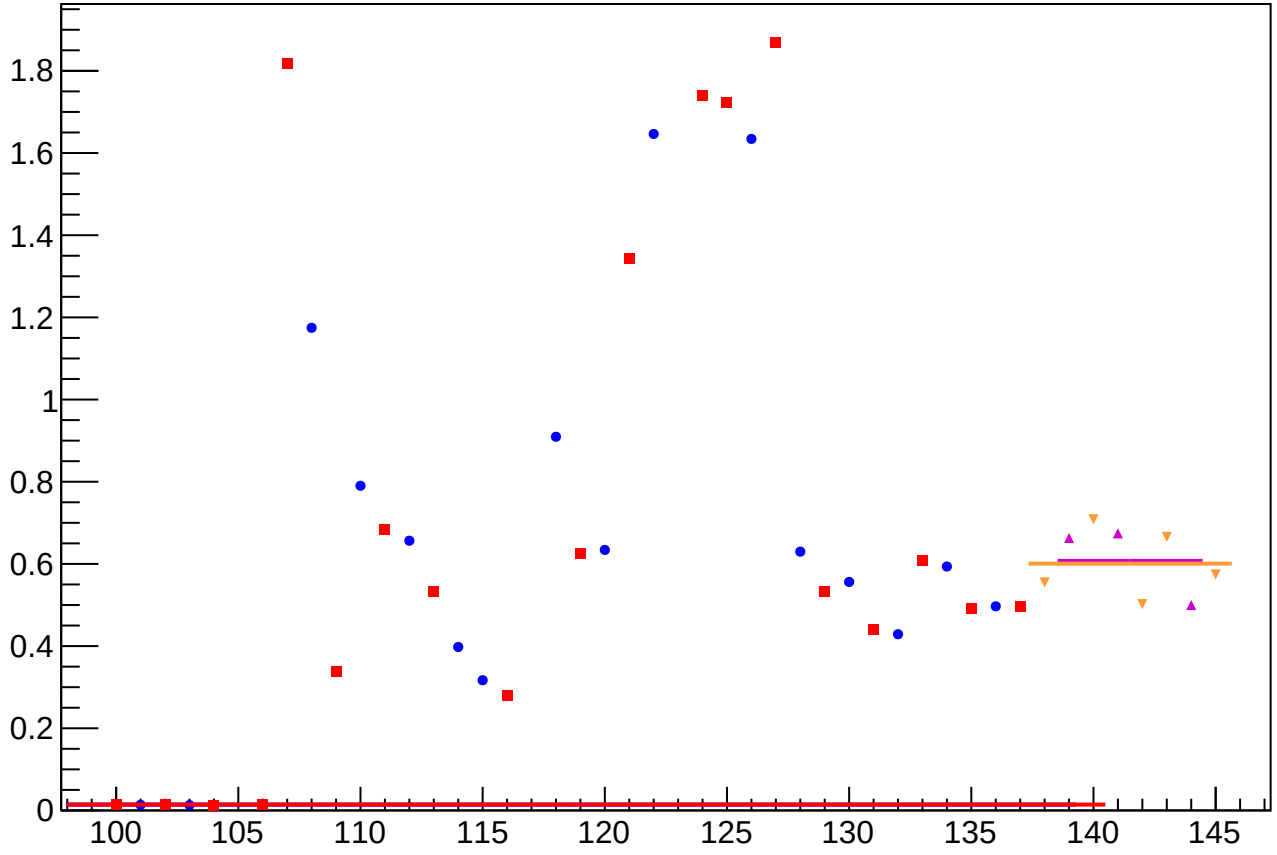
Left In: 158.890+/-0.000 χ^2/NDF:20762829.5/2

+ sign 872.156+/-0.000 χ^2/NDF: 10577469522407.

All: 872.205+/-0.000 χ^2/NDF: 22253098689

- sign 872.248+/-0.000 χ^2/NDF: 11675597338106.6

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

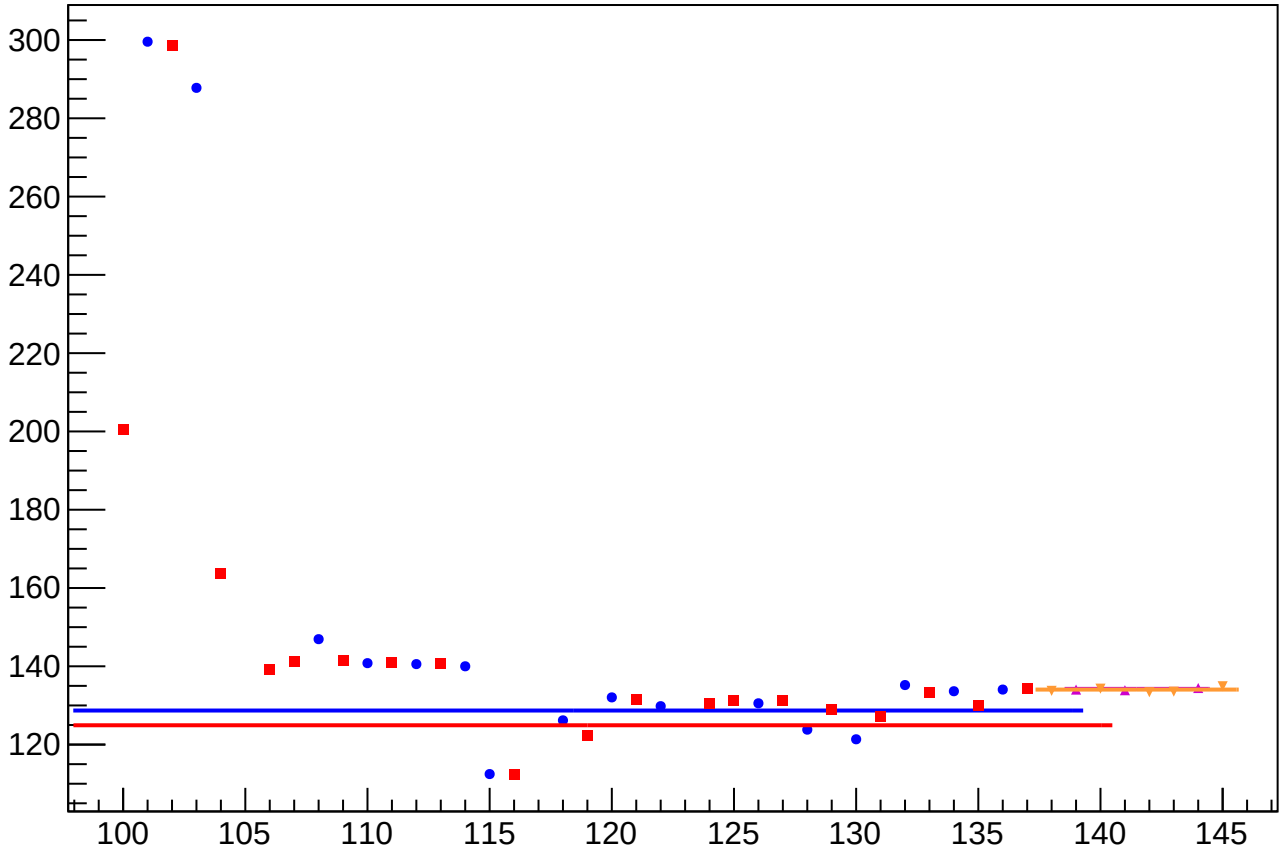
Left In: 0.607+/-0.000 χ^2/NDF:64966.5/2

+ sign 0.015+/-0.000 χ^2/NDF: 14252778.9/20

All: 0.015+/-0.000 χ^2/NDF: 27192356.1/42

- sign 0.015+/-0.000 χ^2/NDF: 12938737.6/21

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

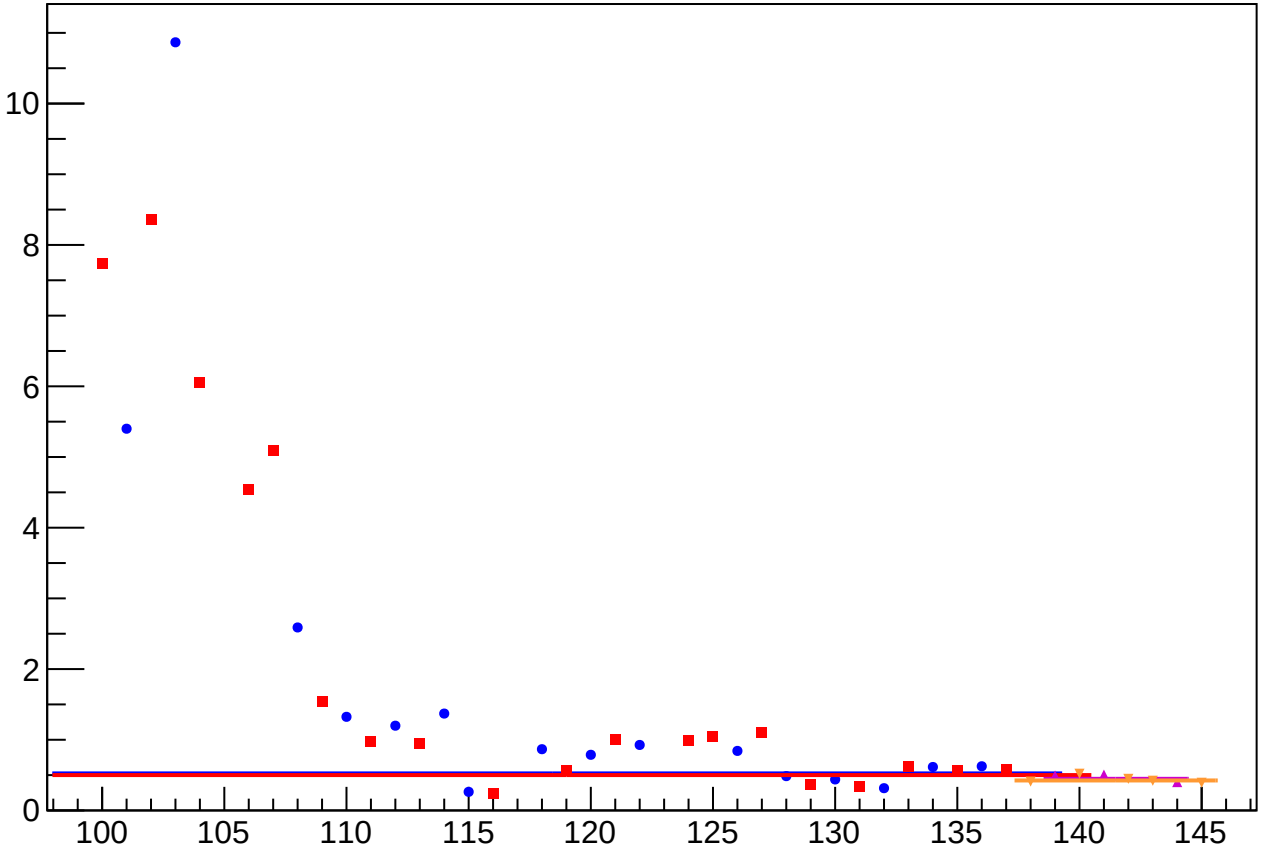
Left In: 134.231+/-0.000 χ^2/NDF:562793.0/2

+ sign 131.556+/-0.000 χ^2/NDF: 1866230959.5/20

All: 130.227+/-0.000 χ^2/NDF: 3853092624.3

- sign 128.577+/-0.000 χ^2/NDF: 1873458952.3/21

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

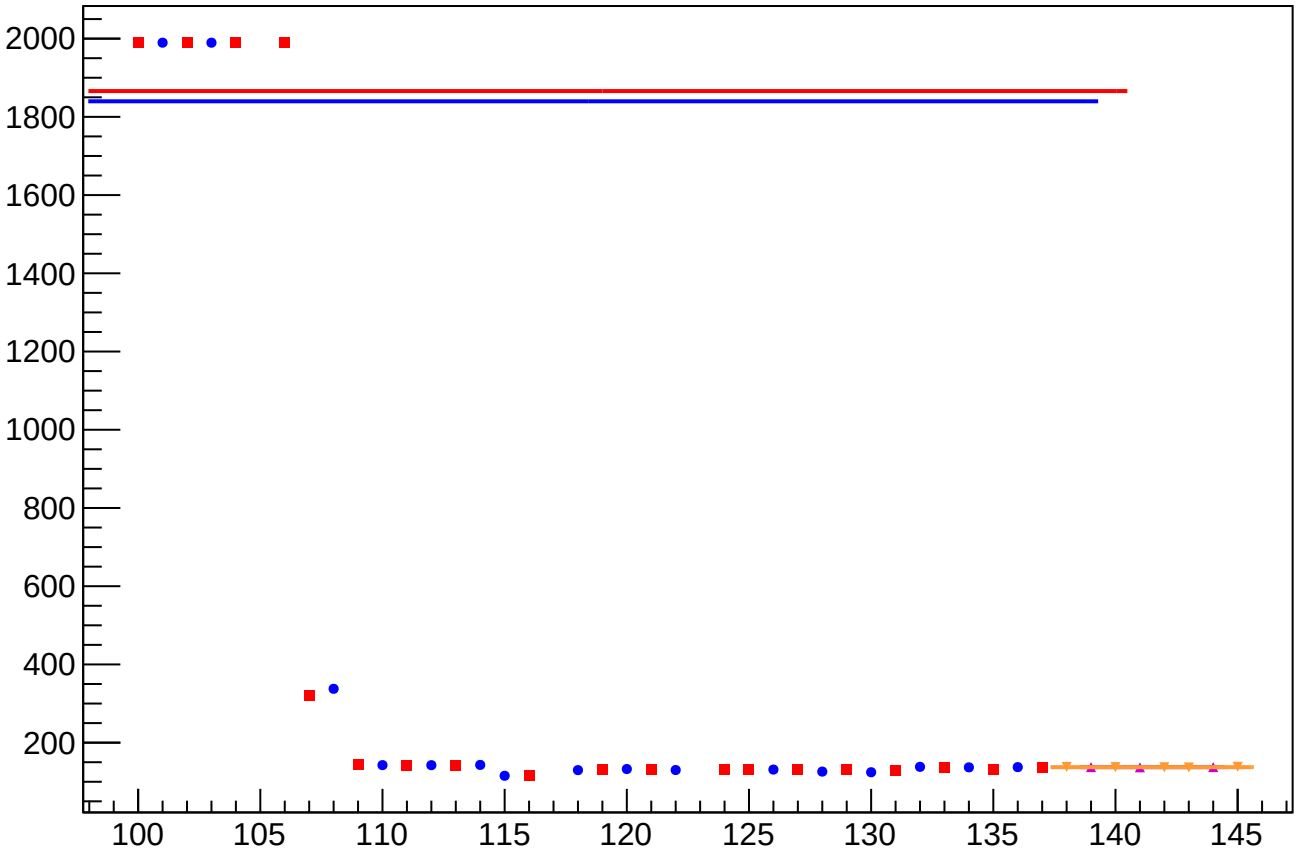
Left In: 0.447+/-0.000 χ^2/NDF:45573.2/2

+ sign 0.471+/-0.000 χ^2/NDF: 4325744.9/20

All: 0.475+/-0.000 χ^2/NDF: 9288534.7/42

- sign 0.480+/-0.000 χ^2/NDF: 4960787.4/21

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.353+/-0.000 χ^2/NDF:12666533.1/4

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

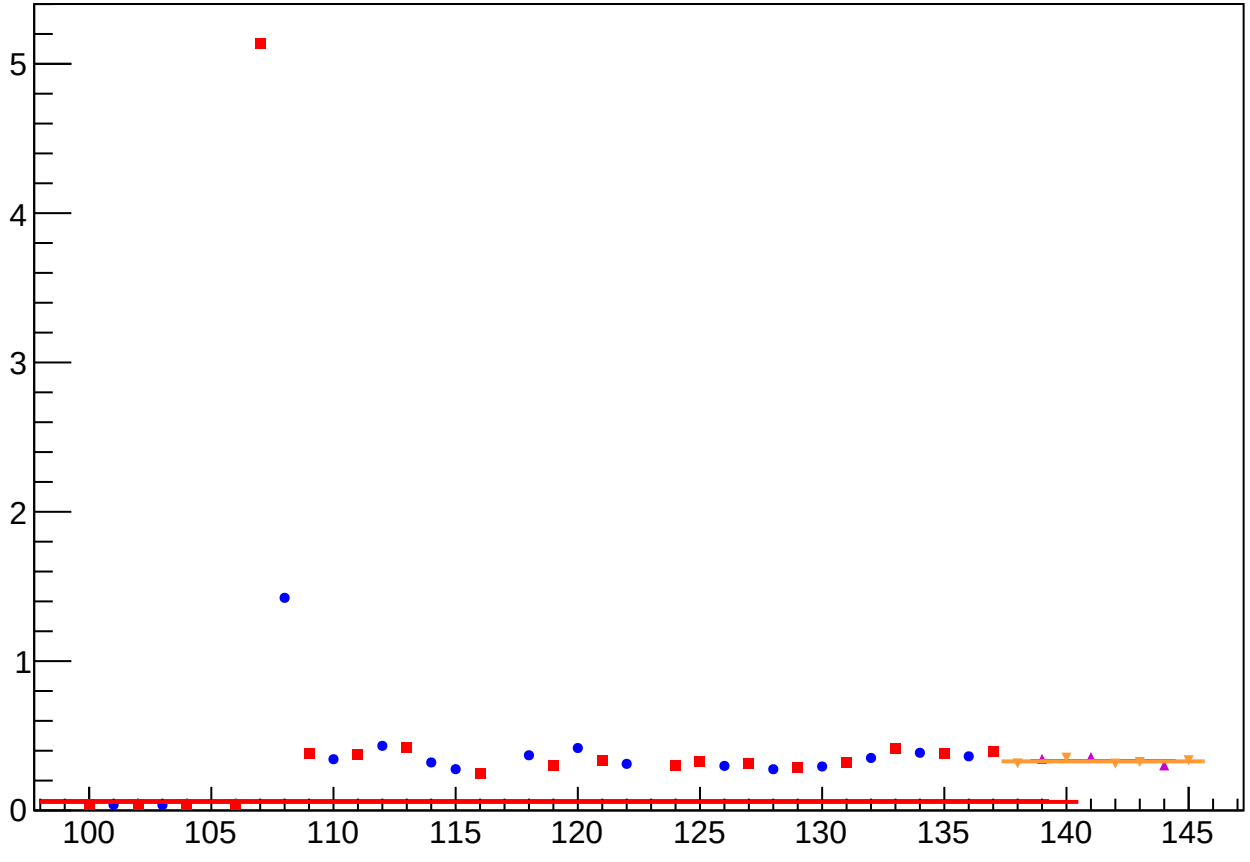
Left In: 137.409+/-0.000 χ^2/NDF:1315819.1/2

+ sign 1747.711+/-0.000 χ^2/NDF: 2353115401887

All: 1779.875+/-0.000 χ^2/NDF: 4459532826

- sign 1808.021+/-0.000 χ^2/NDF: 20947215379136

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

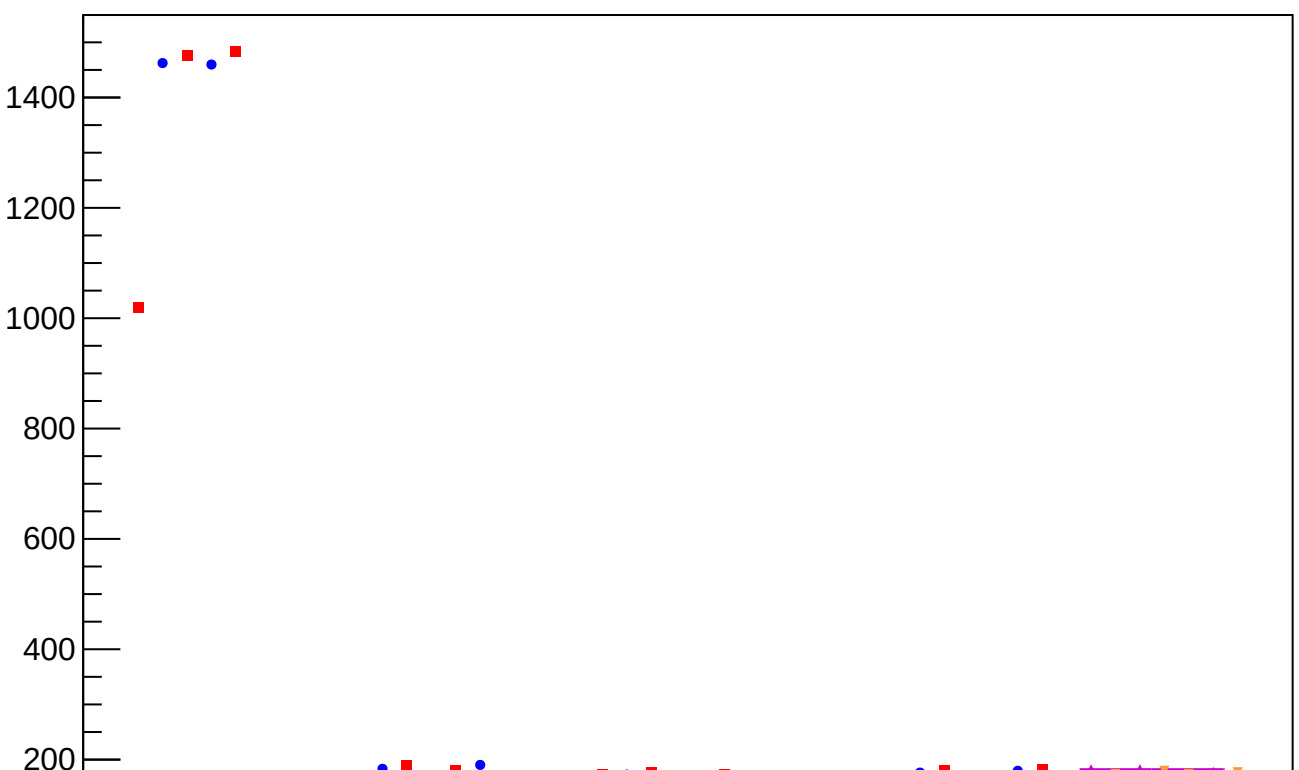
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.331+/-0.000 χ^2/NDF:28436.2/2

+ sign 0.076+/-0.000 χ^2/NDF: 12589296.3/20

All: 0.071+/-0.000 χ^2/NDF: 23762942.2/42

- sign 0.066+/-0.000 χ^2/NDF: 11112384.7/21



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

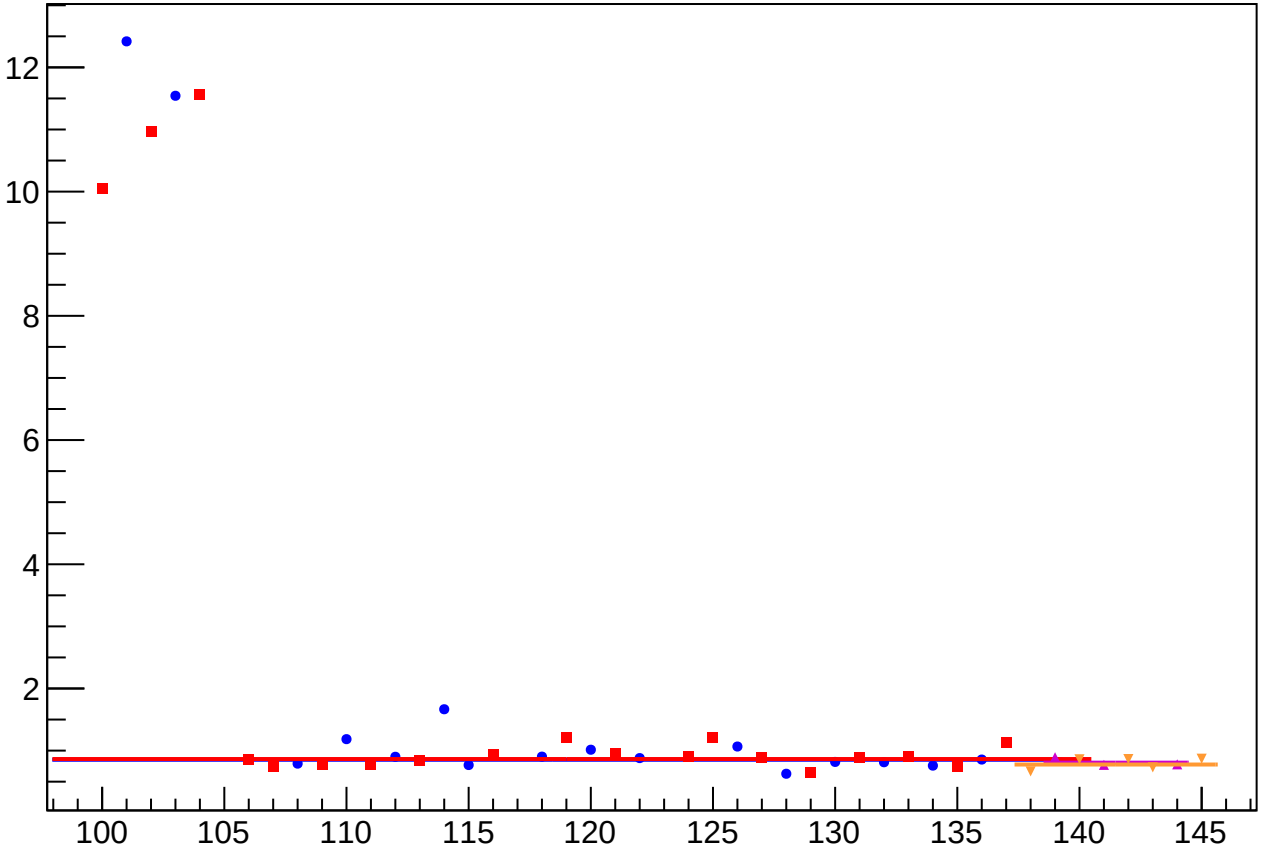
Left In: 180.846+/-0.001 χ^2/NDF:10810601.7/2

+ sign 169.232+/-0.000 χ^2/NDF: 14752999716.8/20

All: 170.790+/-0.000 χ^2/NDF: 31330397833.

- sign 172.519+/-0.000 χ^2/NDF: 16534323481.9/21

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

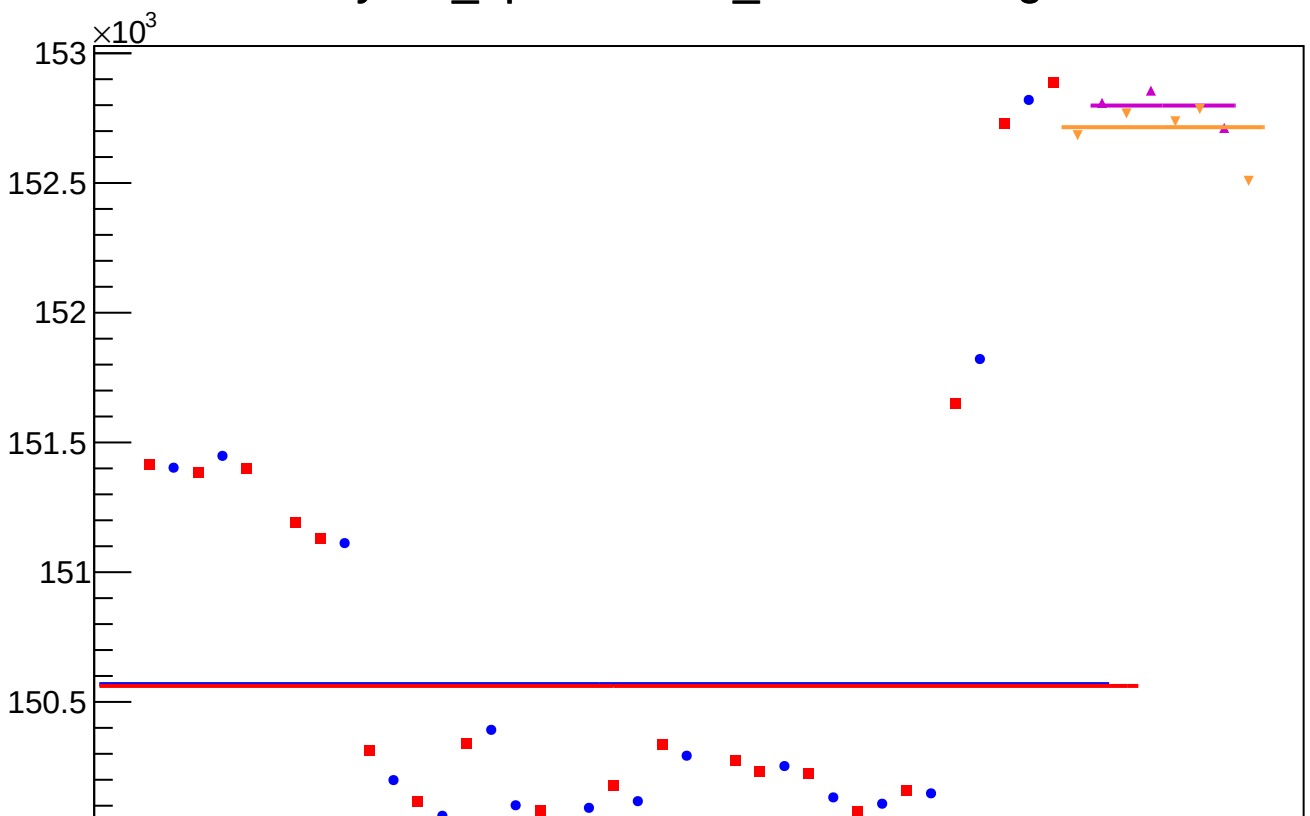
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.806+/-0.000 χ^2/NDF:11645.8/2

+ sign 0.824+/-0.000 χ^2/NDF: 2373480.3/20

All: 0.836+/-0.000 χ^2/NDF: 4609129.7/42

- sign 0.848+/-0.000 χ^2/NDF: 2231252.0/21



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

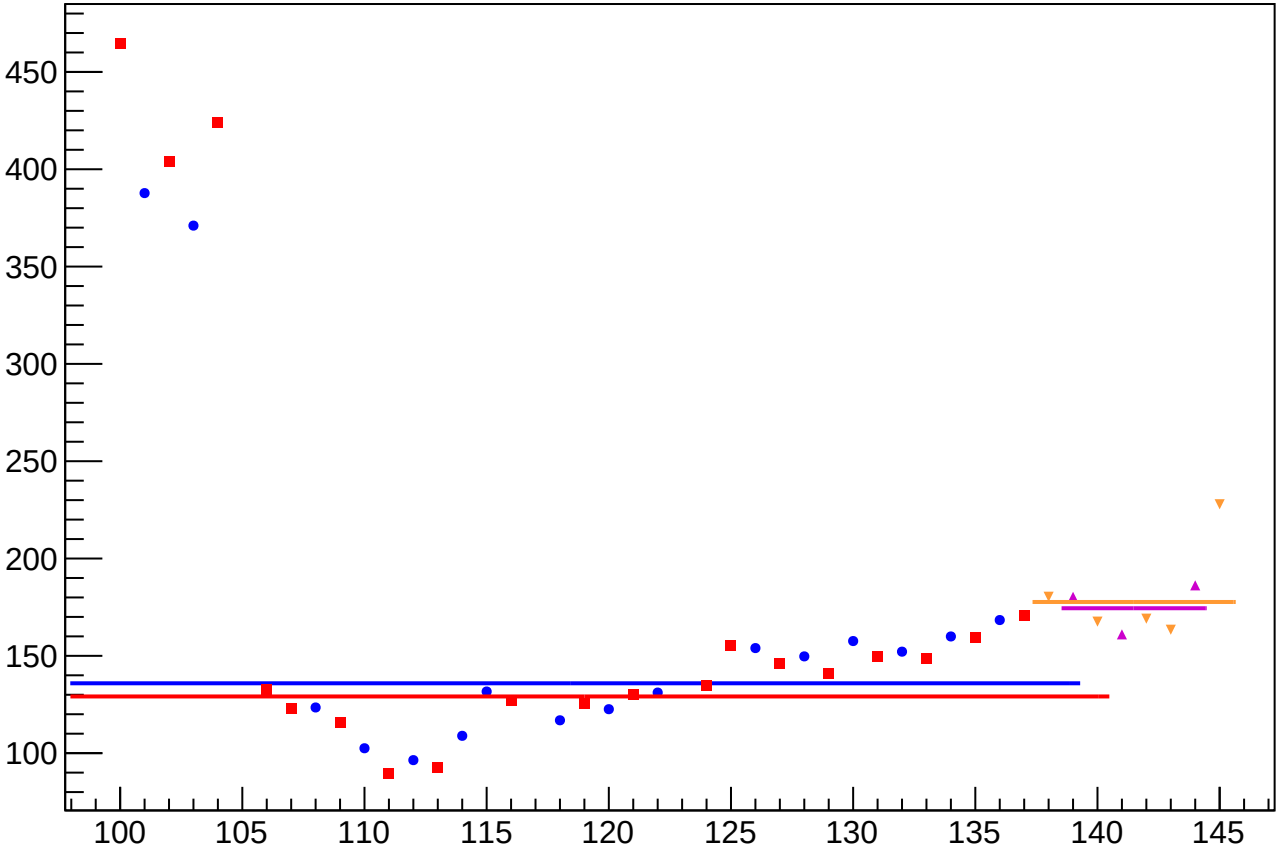
Left In: 152798.480+/-0.108 χ^2/NDF:304819.8/2

+ sign 151108.226+/-0.047 χ^2/NDF: 626424006.3/2

All: 151035.755+/-0.033 χ^2/NDF: 11773814

- sign 150966.662+/-0.046 χ^2/NDF: 546362205.3/2

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

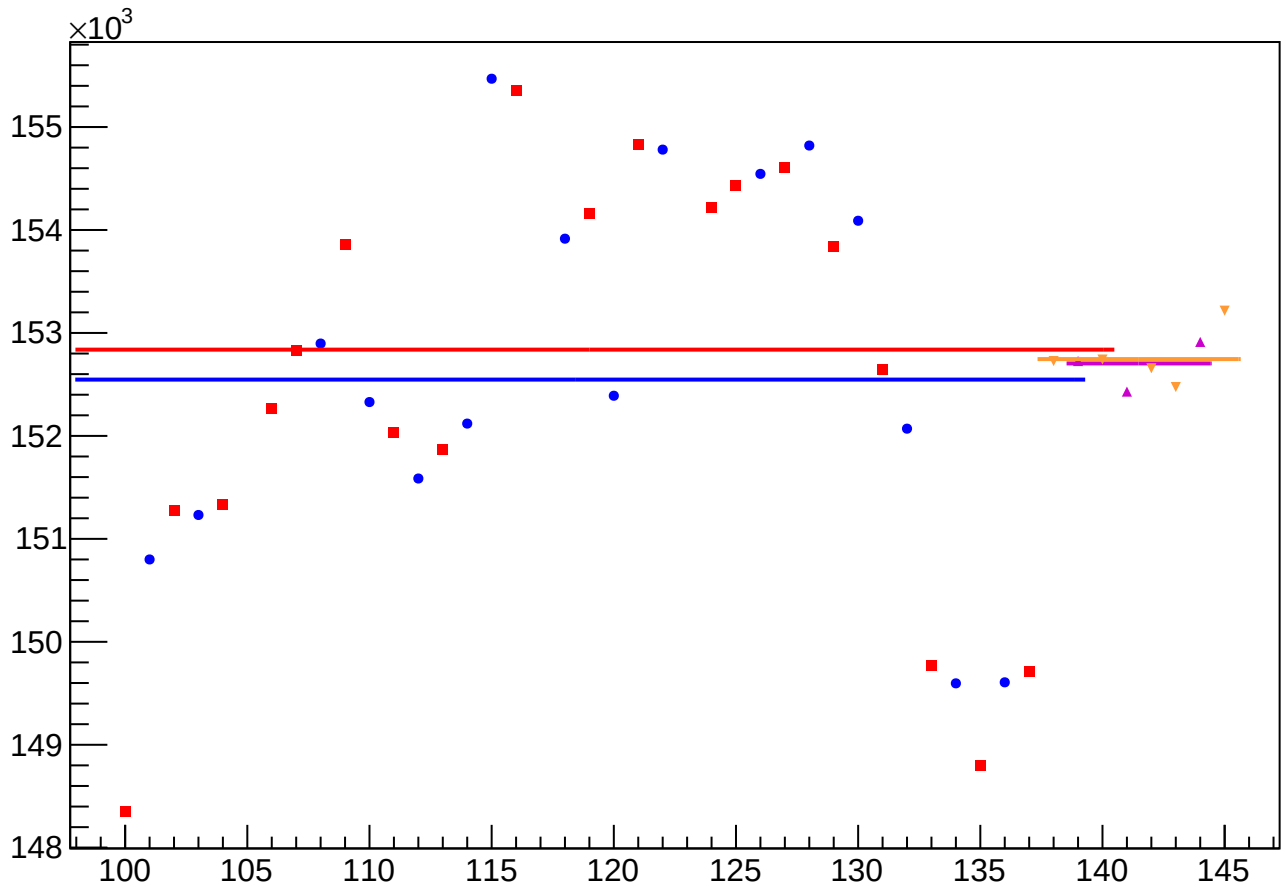
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 174.455+/-0.077 χ^2/NDF:20997.1/2

+ sign 146.399+/-0.033 χ^2/NDF: 1809407.4/20

All: 141.760+/-0.023 χ^2/NDF: 3768588.3/42

- sign 137.337+/-0.033 χ^2/NDF: 1921524.2/21



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

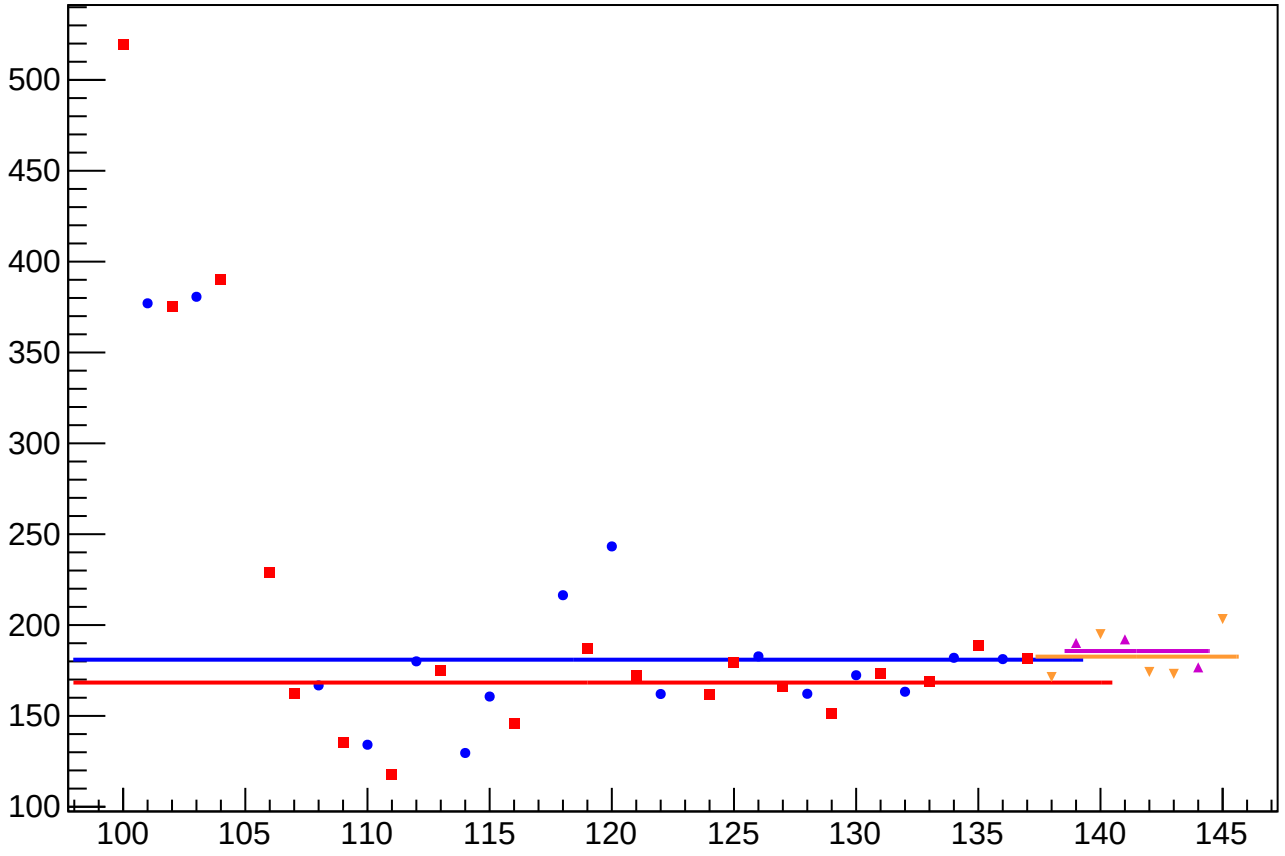
Left In: 152703.879+/-0.115 χ^2/NDF:3014879.9/2

+ sign 152618.404+/-0.058 χ^2/NDF: 663539430.5/2

All: 152712.055+/-0.041 χ^2/NDF: 14096243

- sign 152804.398+/-0.058 χ^2/NDF: 740931942.1/2

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

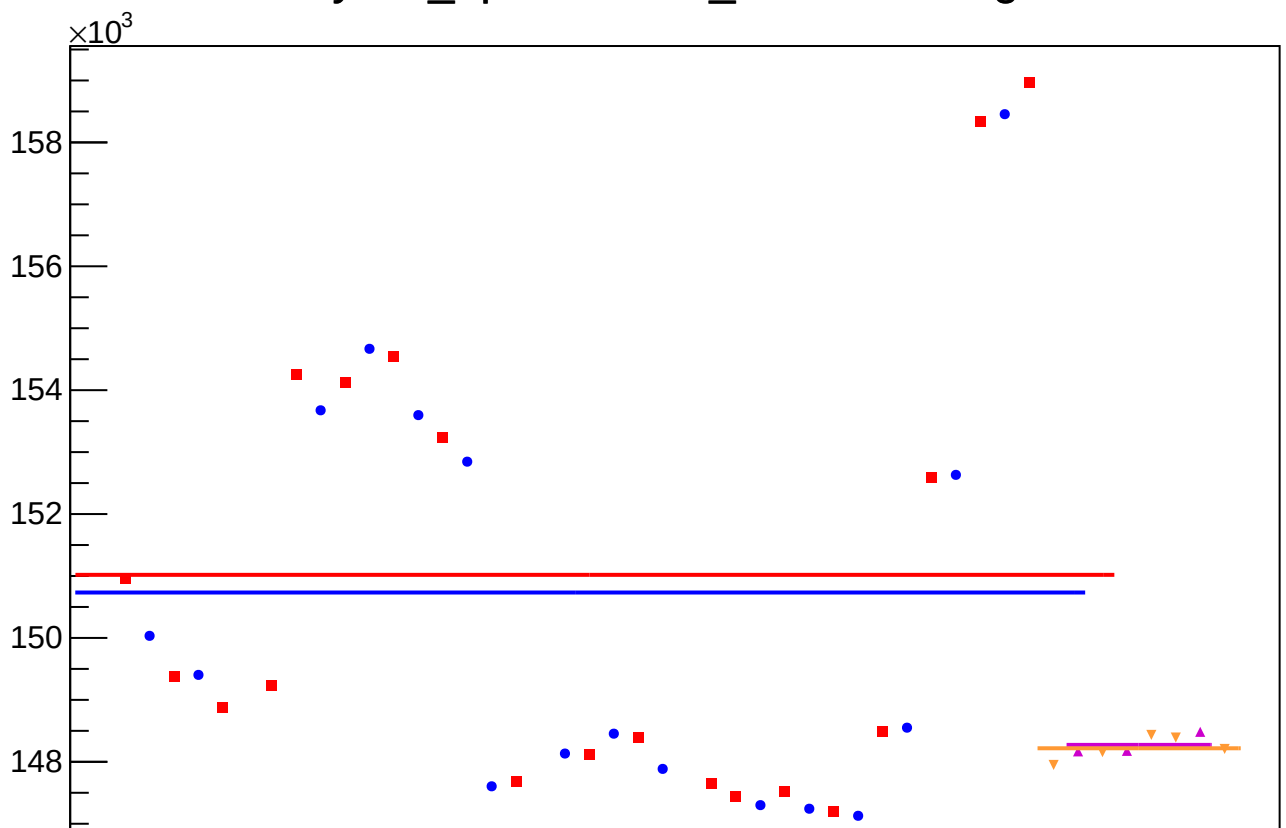
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 185.715+/-0.082 χ^2/NDF:7433.7/2

+ sign 181.543+/-0.041 χ^2/NDF: 944137.5/20

All: 177.085+/-0.029 χ^2/NDF: 2097934.8/42

- sign 172.689+/-0.041 χ^2/NDF: 1130443.5/21



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

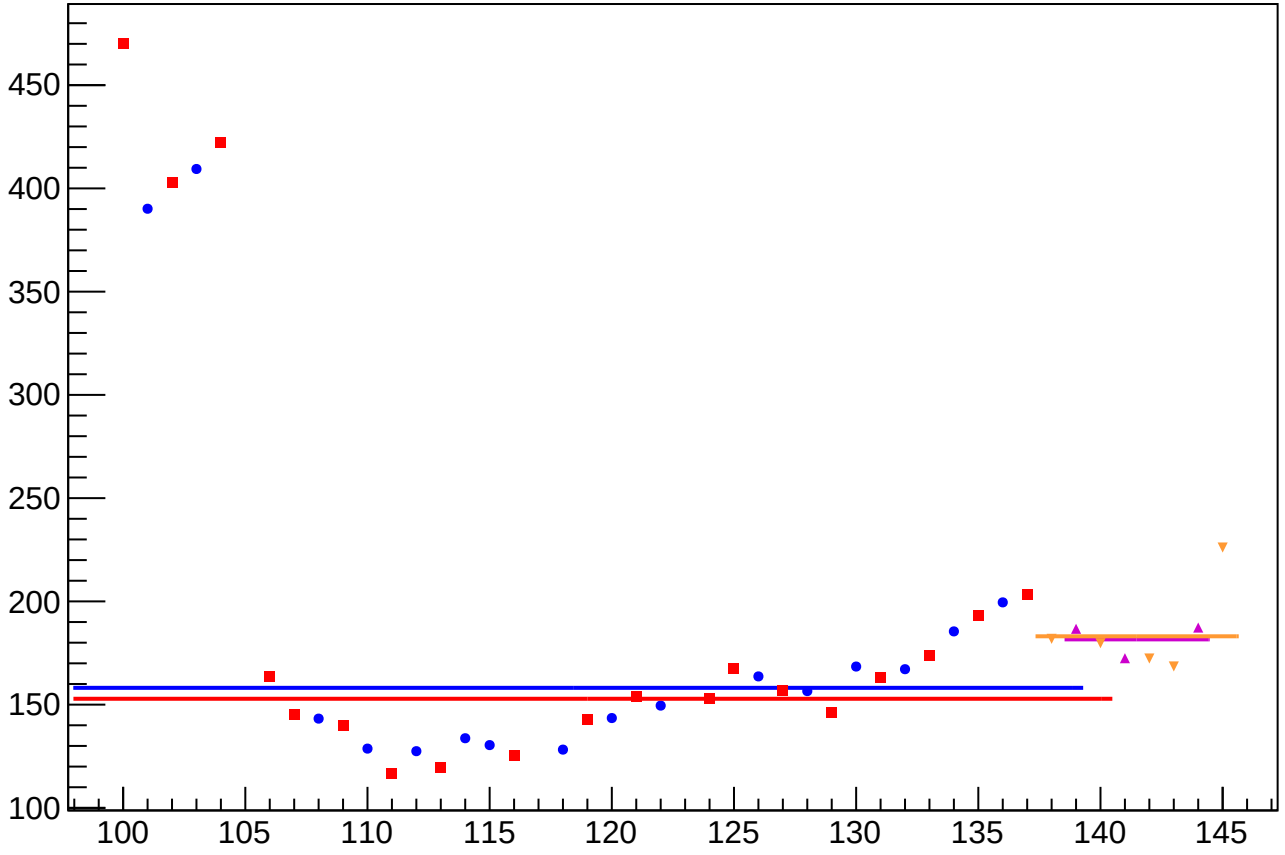
Left In: 148273.111+/-0.113 χ^2/NDF:1658737.0/2

+ sign 149989.363+/-0.053 χ^2/NDF: 3760005779.4

All: 150199.667+/-0.037 χ^2/NDF: 75415281

- sign 150411.762+/-0.053 χ^2/NDF: 3749635548.1/

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

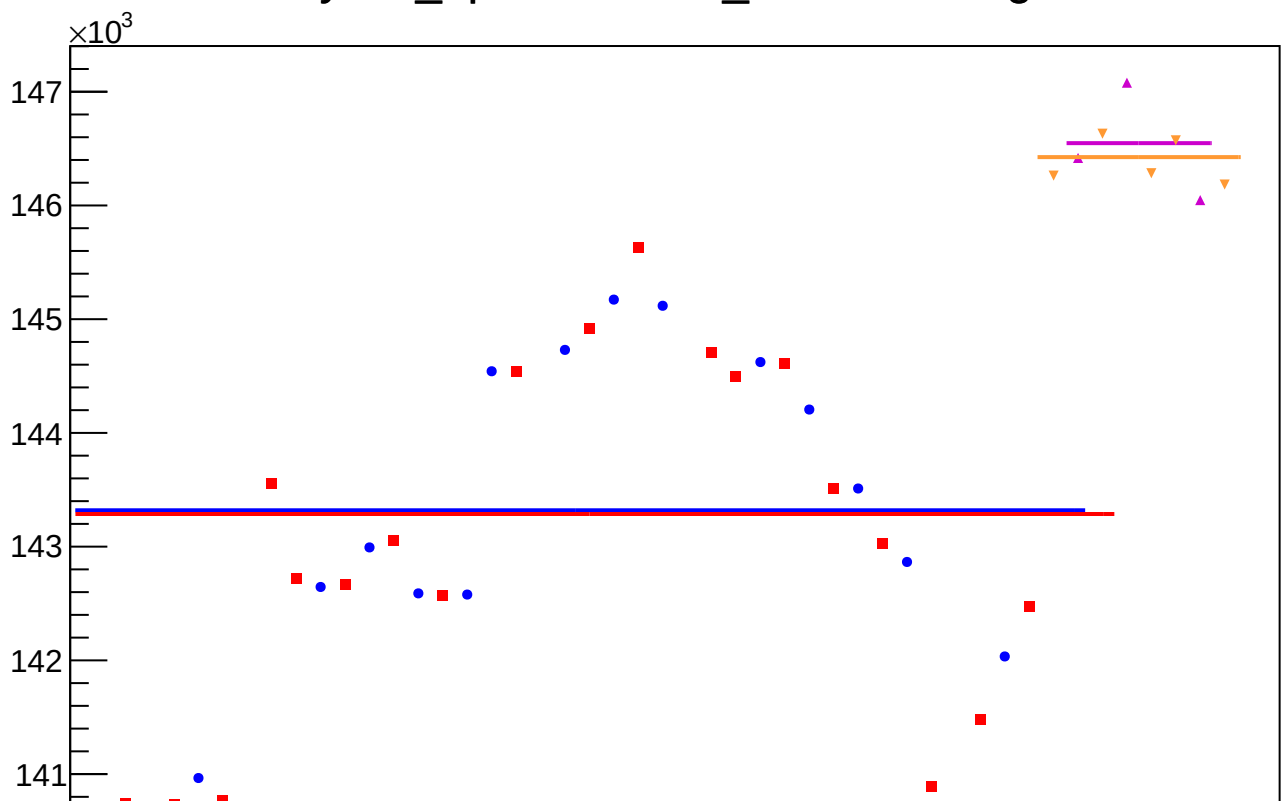
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 181.604+/-0.080 χ^2/NDF:7800.3/2

+ sign 165.520+/-0.037 χ^2/NDF: 1362807.4/20

All: 162.372+/-0.026 χ^2/NDF: 2750518.8/42

- sign 159.198+/-0.037 χ^2/NDF: 1373423.2/21



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

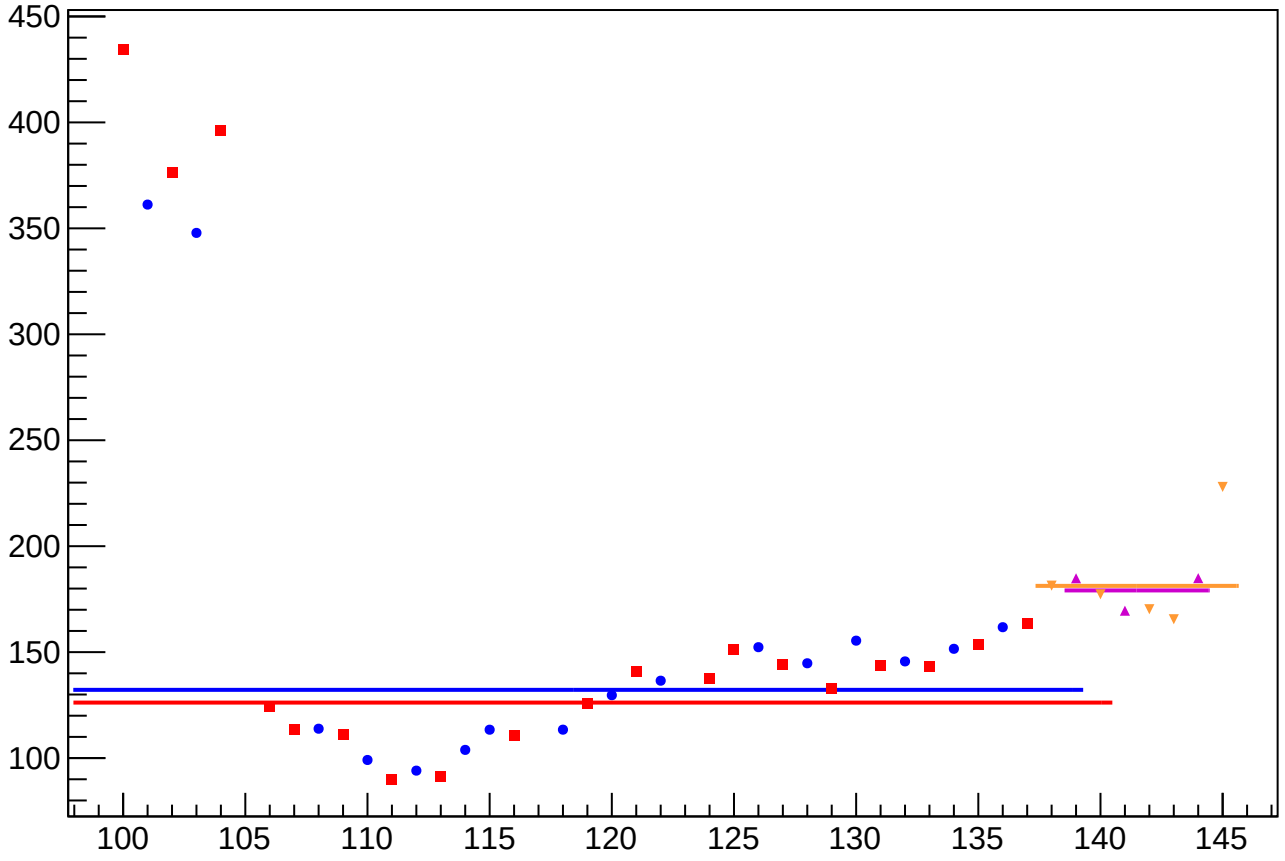
Left In: 146547.973+/-0.111 χ^2/NDF:15516089.5/2

+ sign 144046.458+/-0.046 χ^2/NDF: 1362585521.7

All: 143935.751+/-0.032 χ^2/NDF: 27268114

- sign 143830.298+/-0.045 χ^2/NDF: 1353155758.7/

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

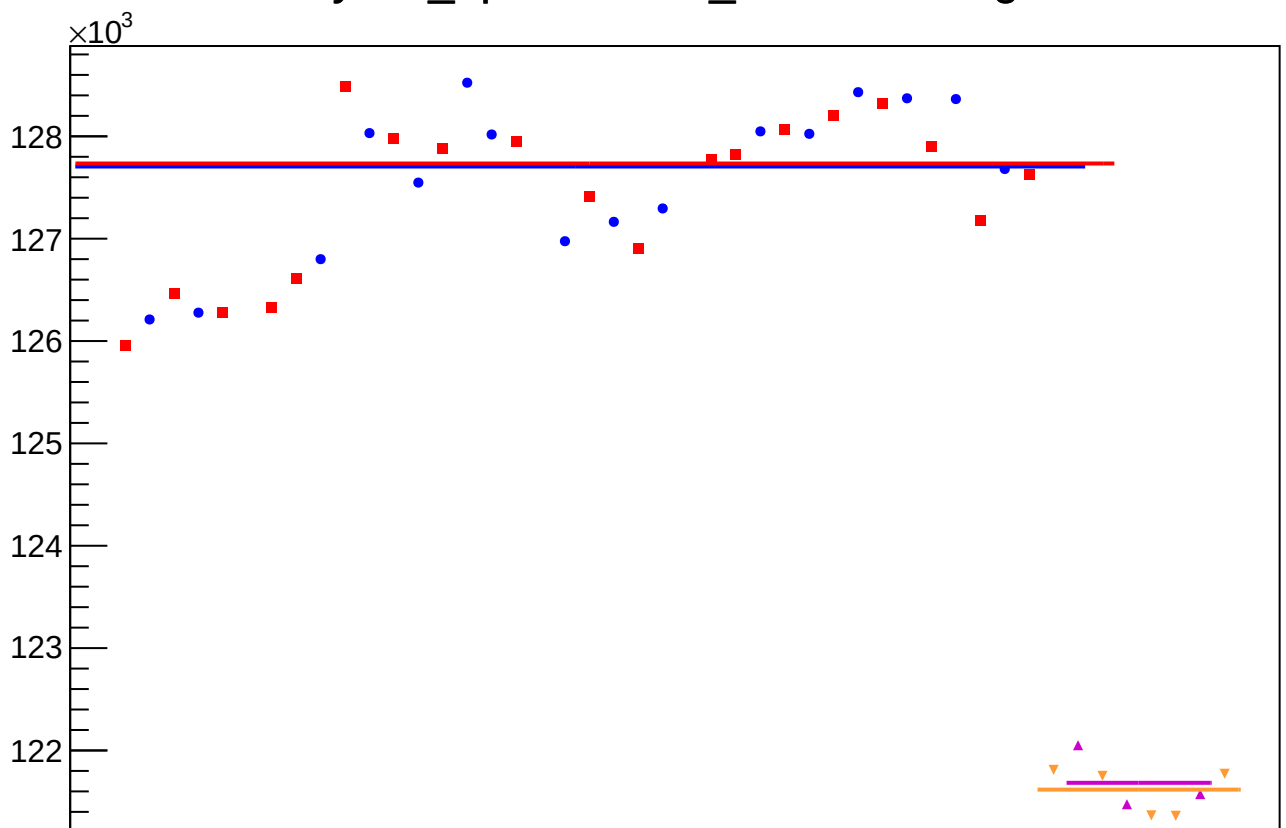
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 179.121+/-0.079 χ^2/NDF:8913.0/2

+ sign 143.688+/-0.033 χ^2/NDF: 1864637.9/20

All: 139.244+/-0.023 χ^2/NDF: 3832121.9/42

- sign 135.010+/-0.032 χ^2/NDF: 1931798.3/21



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

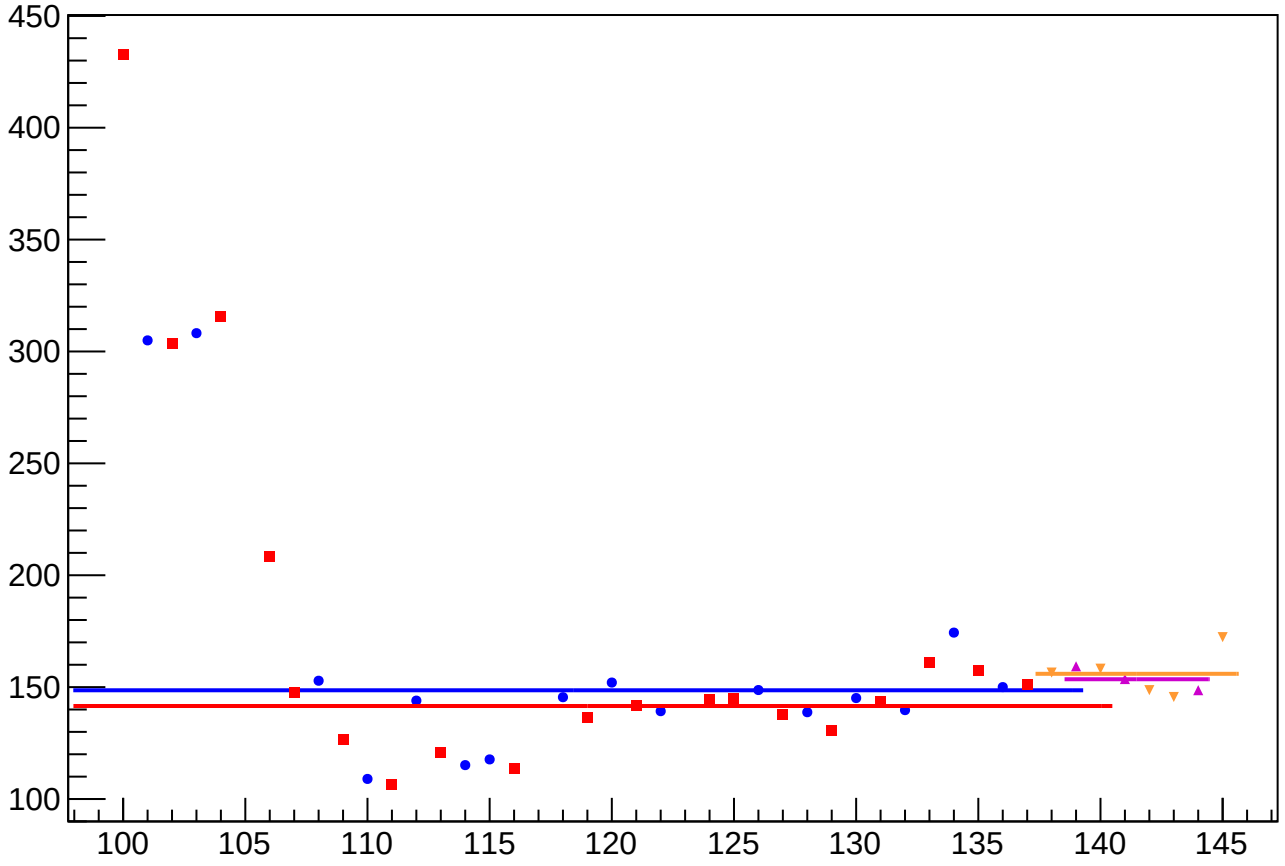
Left In: 121684.003+/-0.096 χ^2/NDF:6490412.5/2

+ sign 125704.349+/-0.048 χ^2/NDF: 3679959324.0

All: 125973.195+/-0.034 χ^2/NDF: 68582683

- sign 126239.640+/-0.048 χ^2/NDF: 3115490526.1/

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

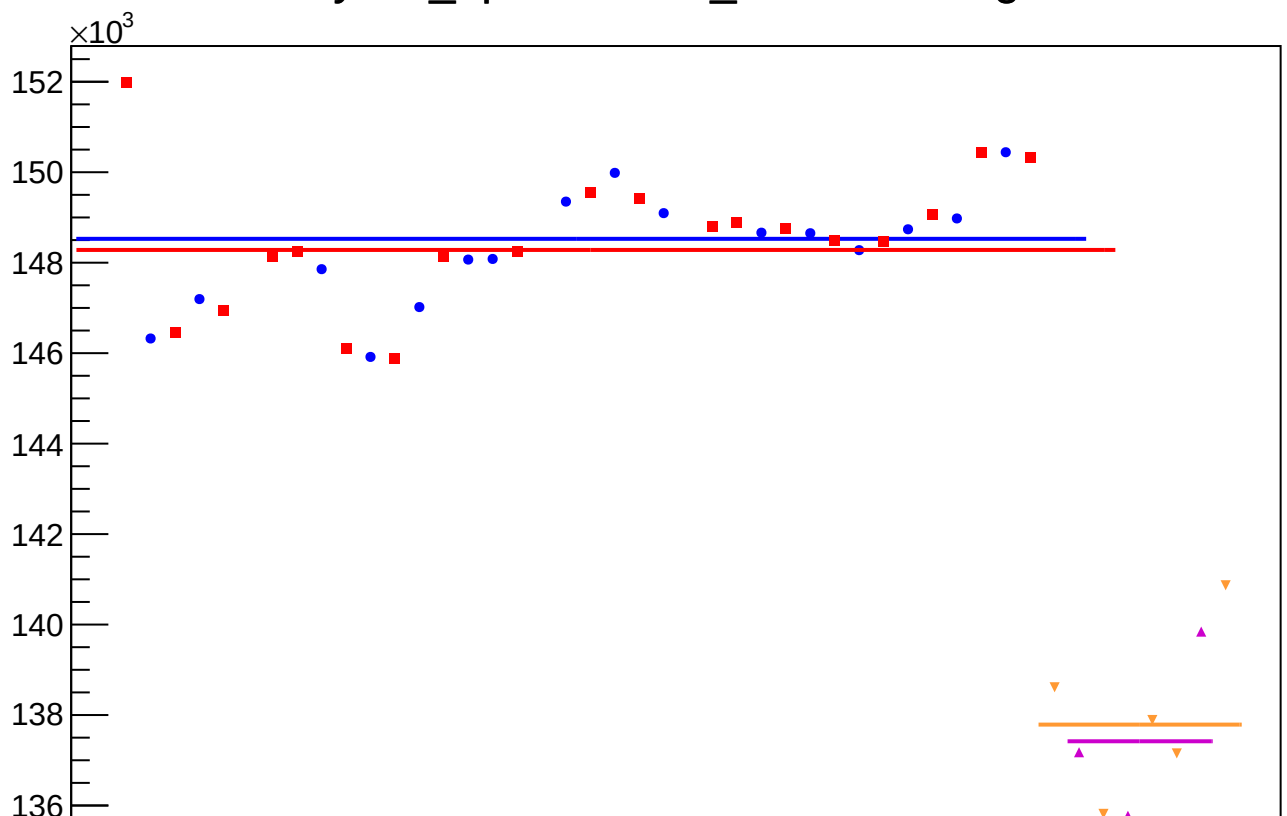
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 153.524+/-0.068 χ^2/NDF:4069.9/2

+ sign 151.012+/-0.034 χ^2/NDF: 862395.7/20

All: 147.750+/-0.024 χ^2/NDF: 1909622.5/42

- sign 144.518+/-0.034 χ^2/NDF: 1028737.2/21



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

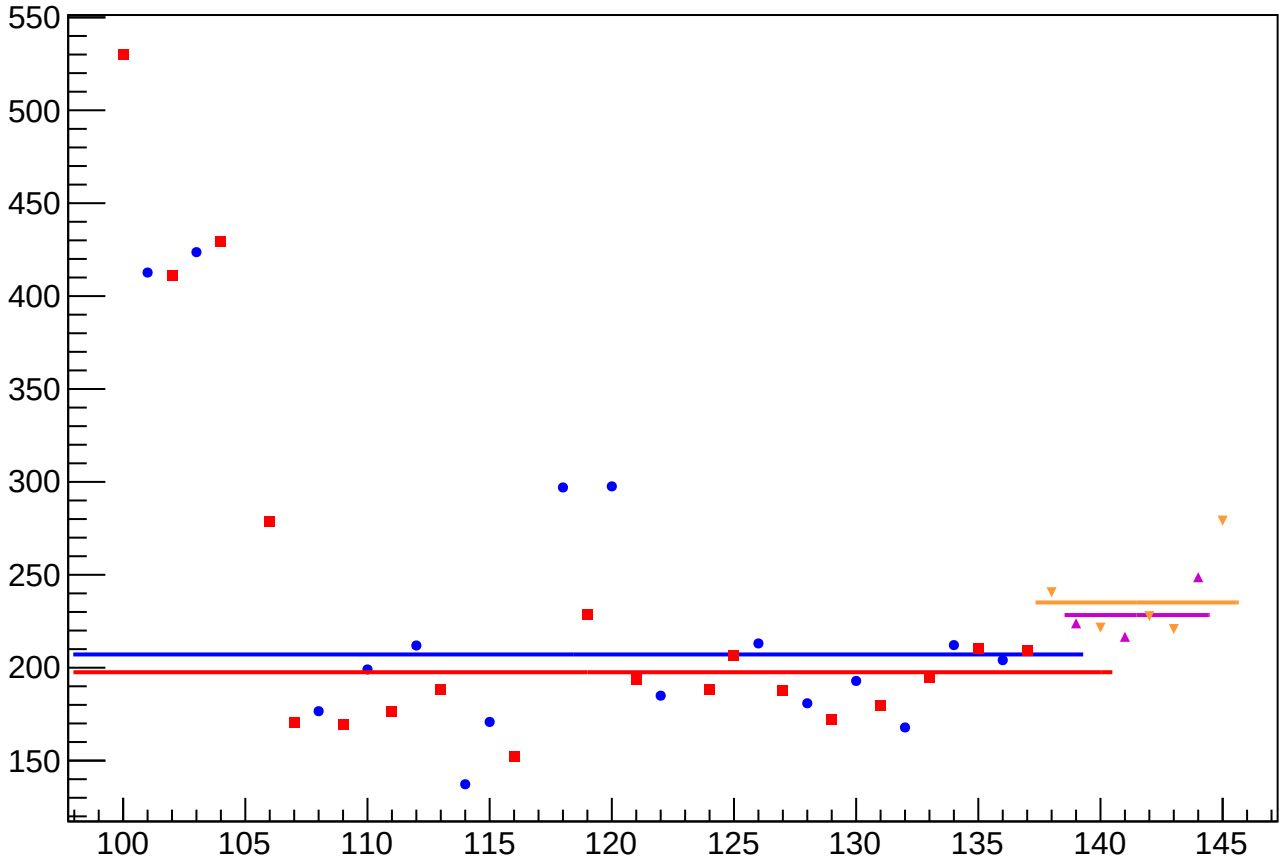
Left In: 137419.861+/-0.142 χ^2/NDF:135539894.3/2

+ sign 145293.742+/-0.069 χ^2/NDF: 5557723986.9

All: 145568.514+/-0.048 χ^2/NDF: 10549431

- sign 145834.730+/-0.067 χ^2/NDF: 4960028489.2/

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

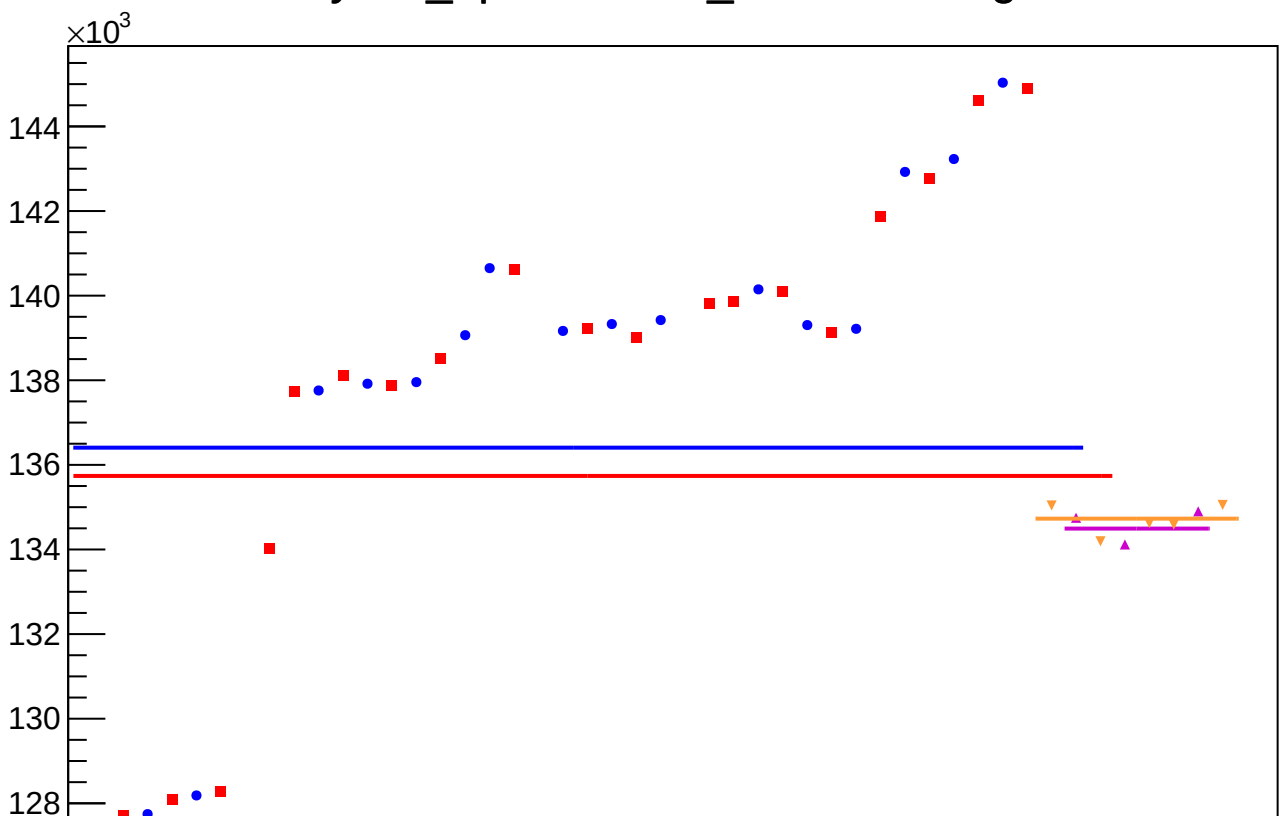
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 228.343+/-0.100 χ^2/NDF:17617.9/2

+ sign 215.562+/-0.048 χ^2/NDF: 1096292.1/20

All: 209.945+/-0.034 χ^2/NDF: 2117089.2/42

- sign 204.504+/-0.048 χ^2/NDF: 994327.2/21



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

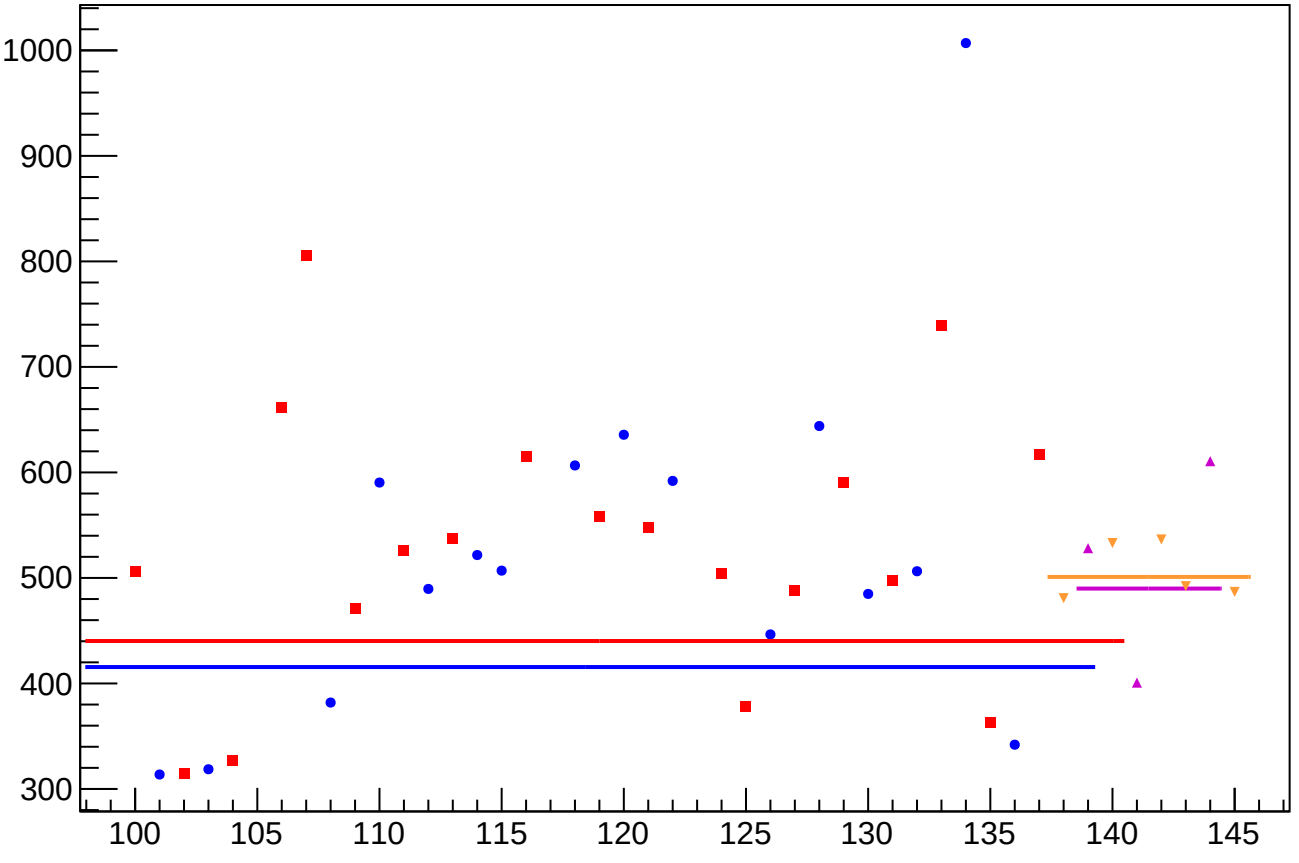
Left In: 134494.085+/-0.339 χ^2/NDF:1094104.2/2

+ sign 135938.058+/-0.143 χ^2/NDF: 1606228361.8

All: 135726.706+/-0.106 χ^2/NDF: 279681662

- sign 135473.211+/-0.157 χ^2/NDF: 1185790460.4/

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

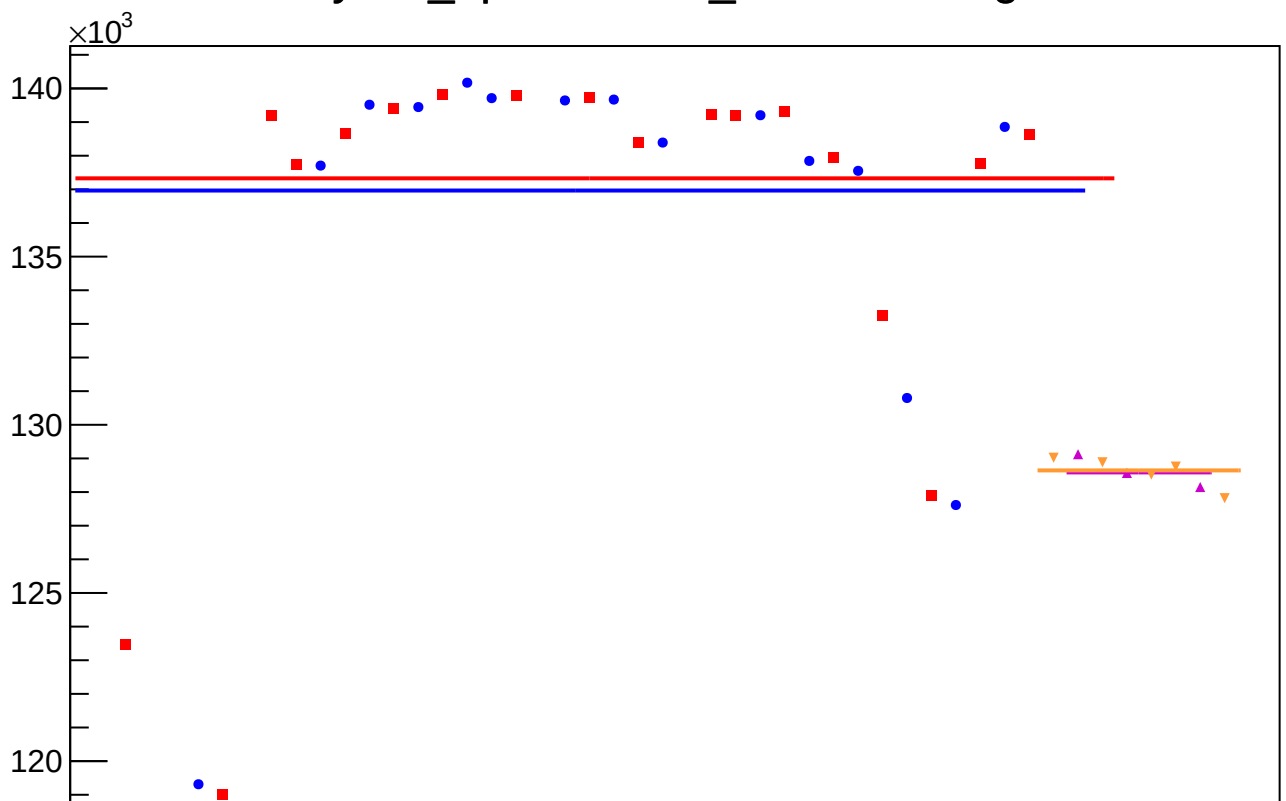
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 489.925+/-0.240 χ^2/NDF:136269.0/2

+ sign 439.414+/-0.101 χ^2/NDF: 1188492.1/20

All: 444.596+/-0.075 χ^2/NDF: 2275062.2/42

- sign 450.812+/-0.111 χ^2/NDF: 1080801.5/21



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

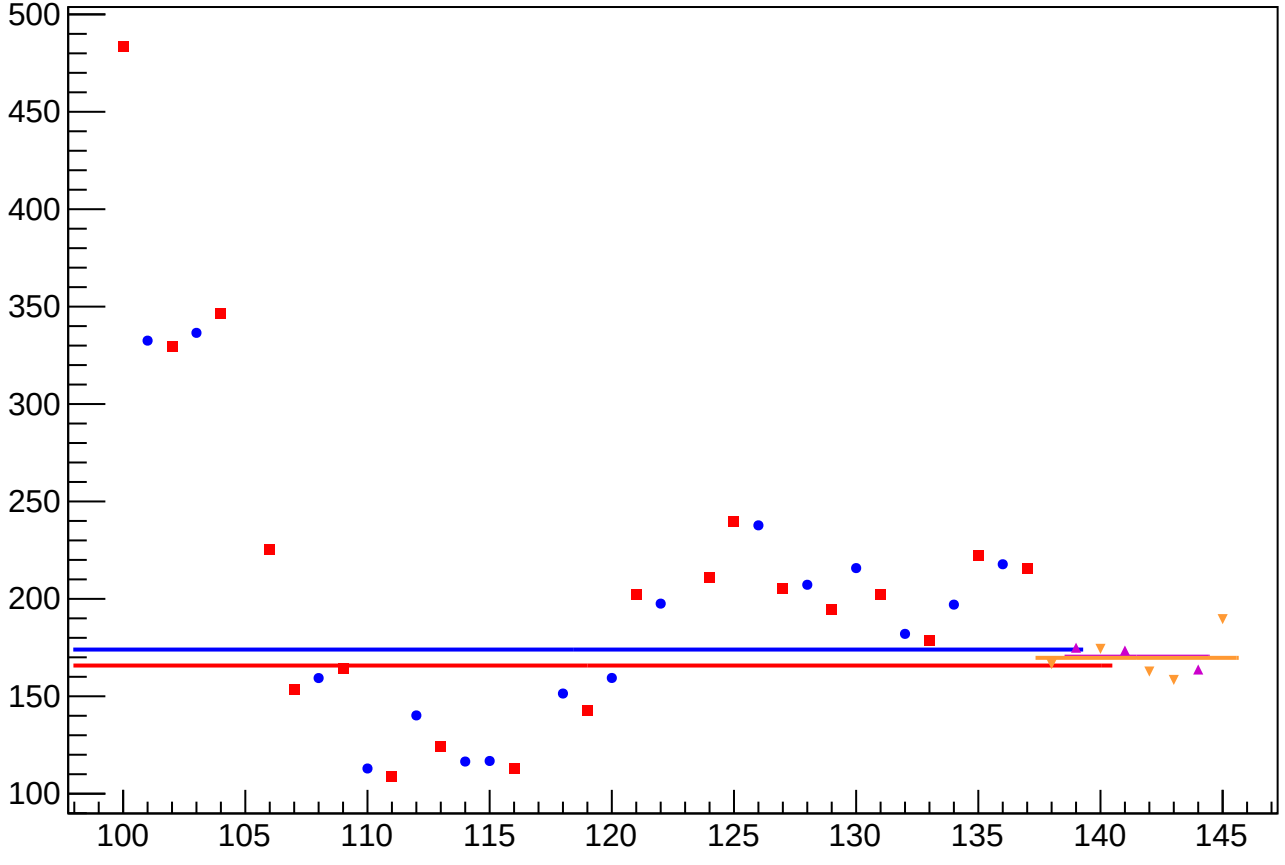
Left In: 128584.509+/-0.106 χ^2/NDF:14197773.6/2

+ sign 133850.651+/-0.055 χ^2/NDF: 11158897578.

All: 134370.391+/-0.039 χ^2/NDF: 22013760

- sign 134902.091+/-0.056 χ^2/NDF: 10675233741.6

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

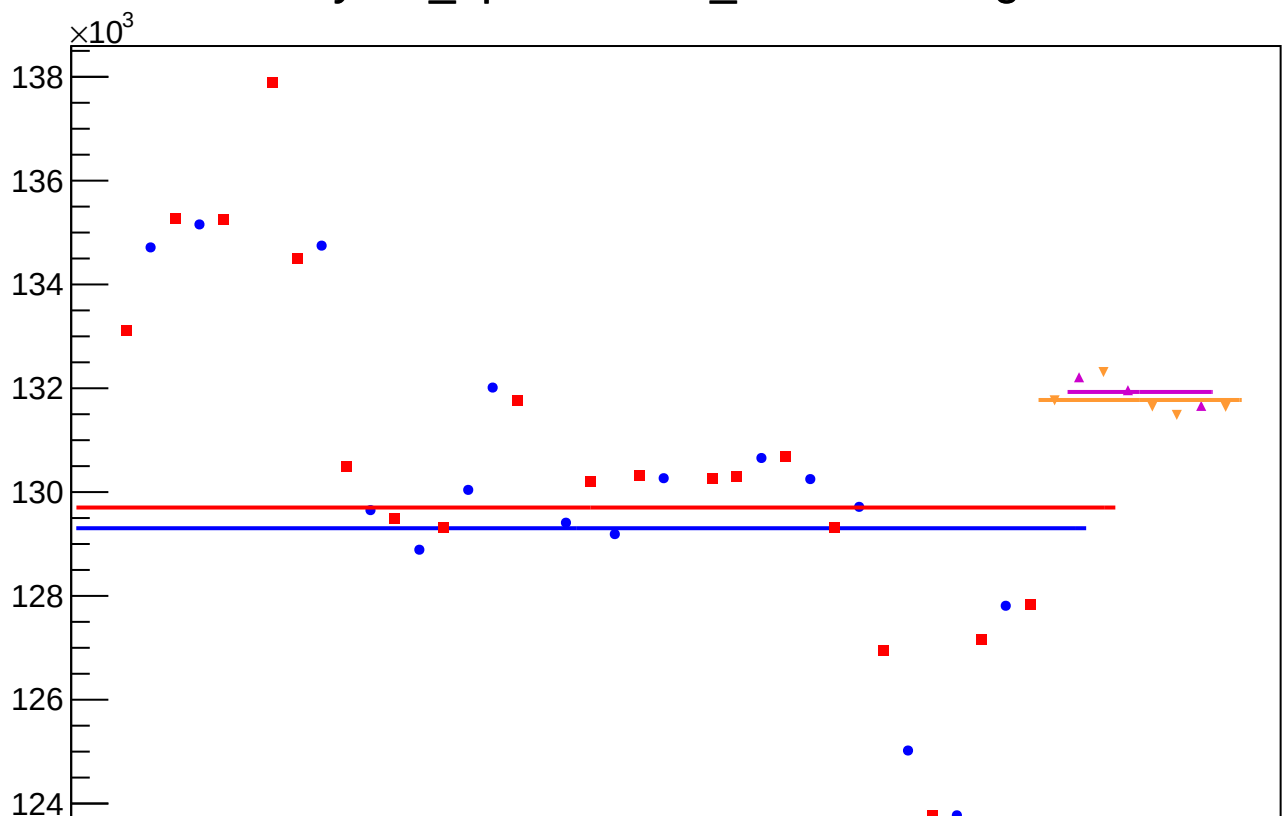
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 170.345+/-0.075 χ^2/NDF:4580.7/2

+ sign 172.391+/-0.039 χ^2/NDF: 1219981.7/20

All: 169.749+/-0.028 χ^2/NDF: 2669691.8/42

- sign 167.047+/-0.039 χ^2/NDF: 1440426.4/21



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

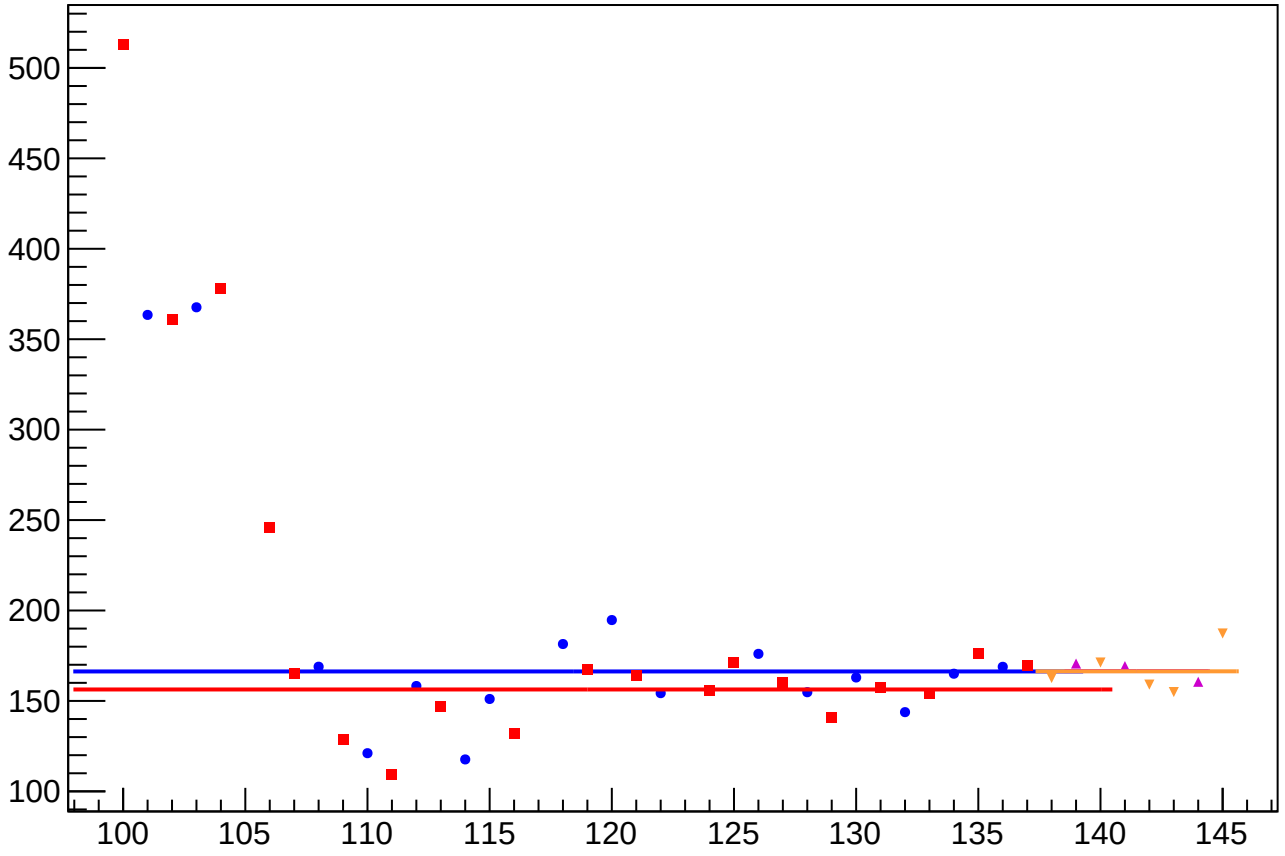
Left In: 131929.108+/-0.104 χ^2/NDF:4785498.9/2

+ sign 130189.527+/-0.053 χ^2/NDF: 2160745247.3

All: 130236.754+/-0.037 χ^2/NDF: 42865049

- sign 130283.768+/-0.053 χ^2/NDF: 2124176741.2/

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

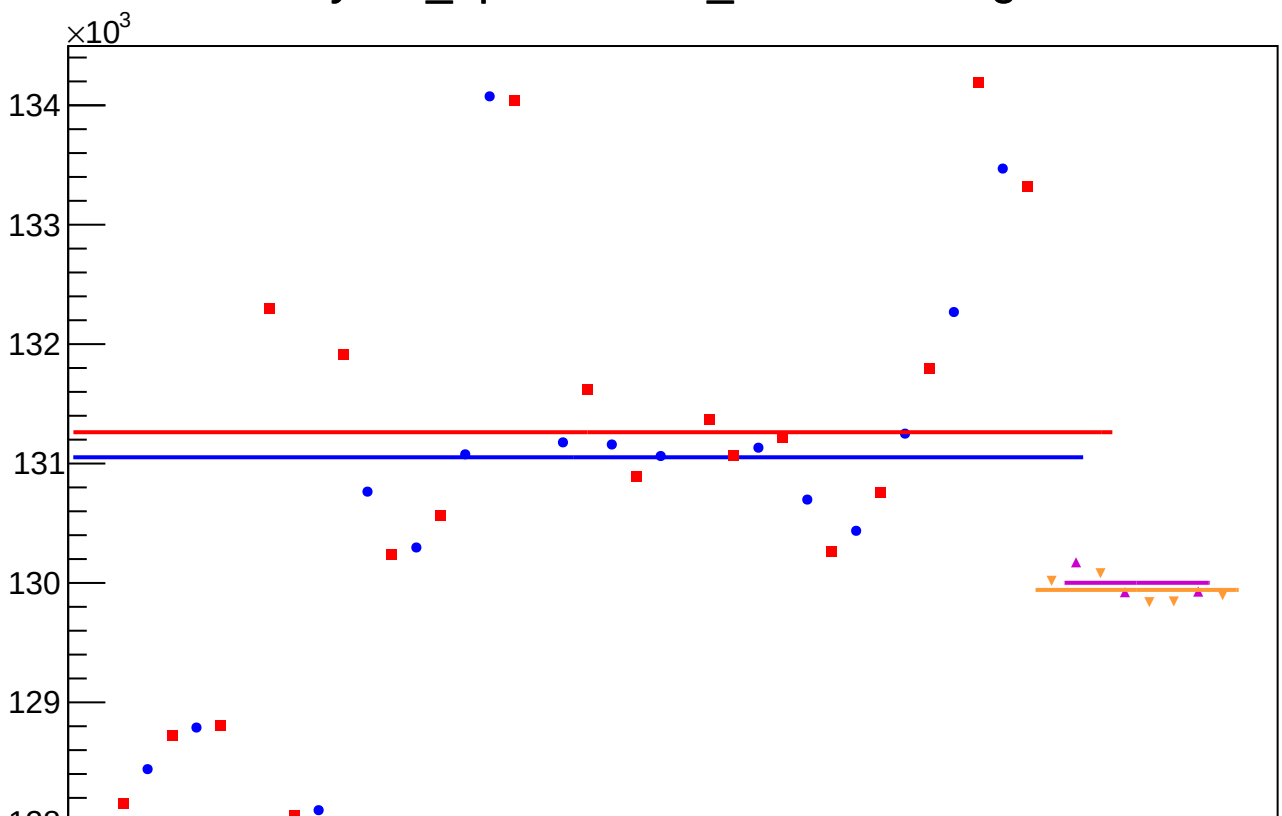
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 166.522+/-0.073 χ^2/NDF:3843.6/2

+ sign 166.327+/-0.037 χ^2/NDF: 970131.3/20

All: 162.652+/-0.026 χ^2/NDF: 2180290.4/42

- sign 158.993+/-0.037 χ^2/NDF: 1190984.3/21



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

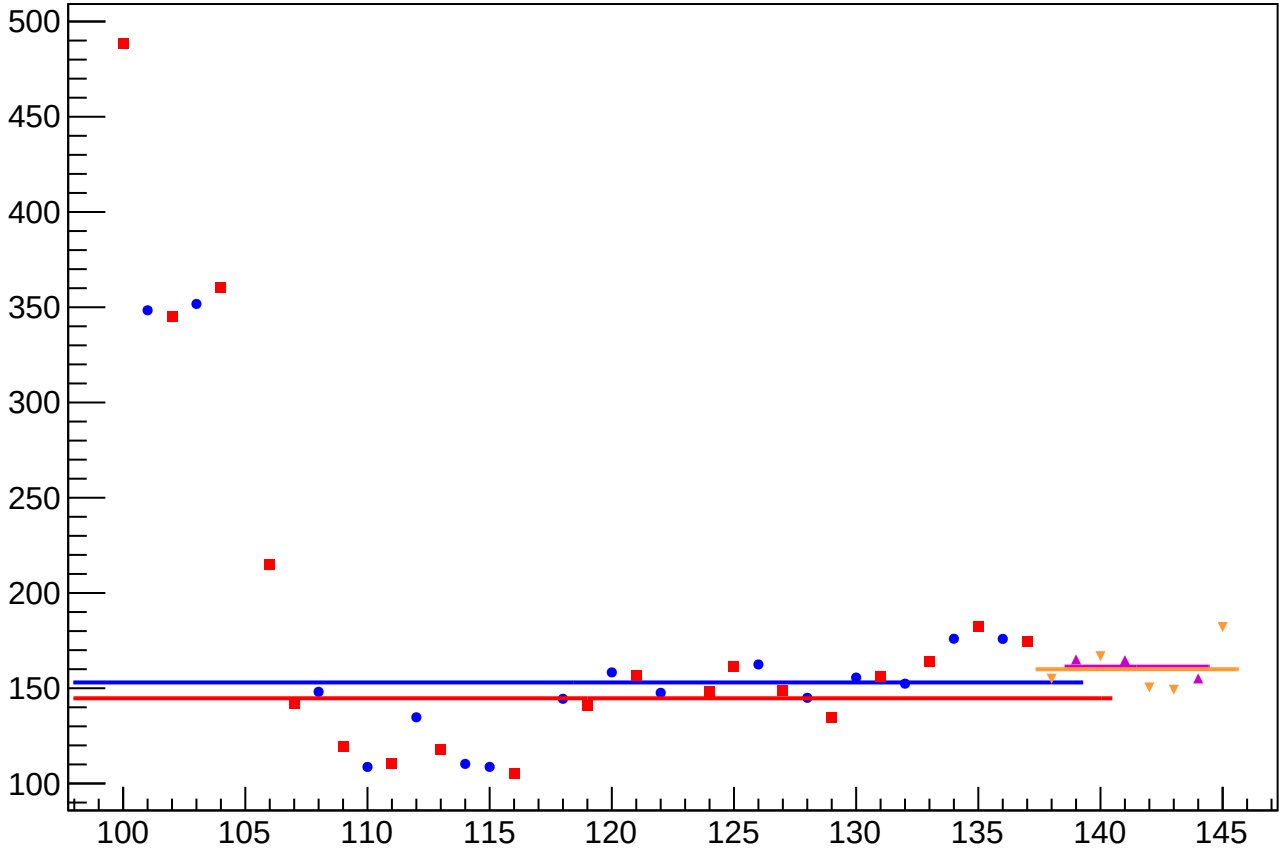
Left In: 130001.333+/-0.100 χ^2/NDF:1302224.8/2

+ sign 130677.546+/-0.049 χ^2/NDF: 638260902.0/2

All: 130817.216+/-0.035 χ^2/NDF: 13798294

- sign 130956.701+/-0.049 χ^2/NDF: 725563214.1/2

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

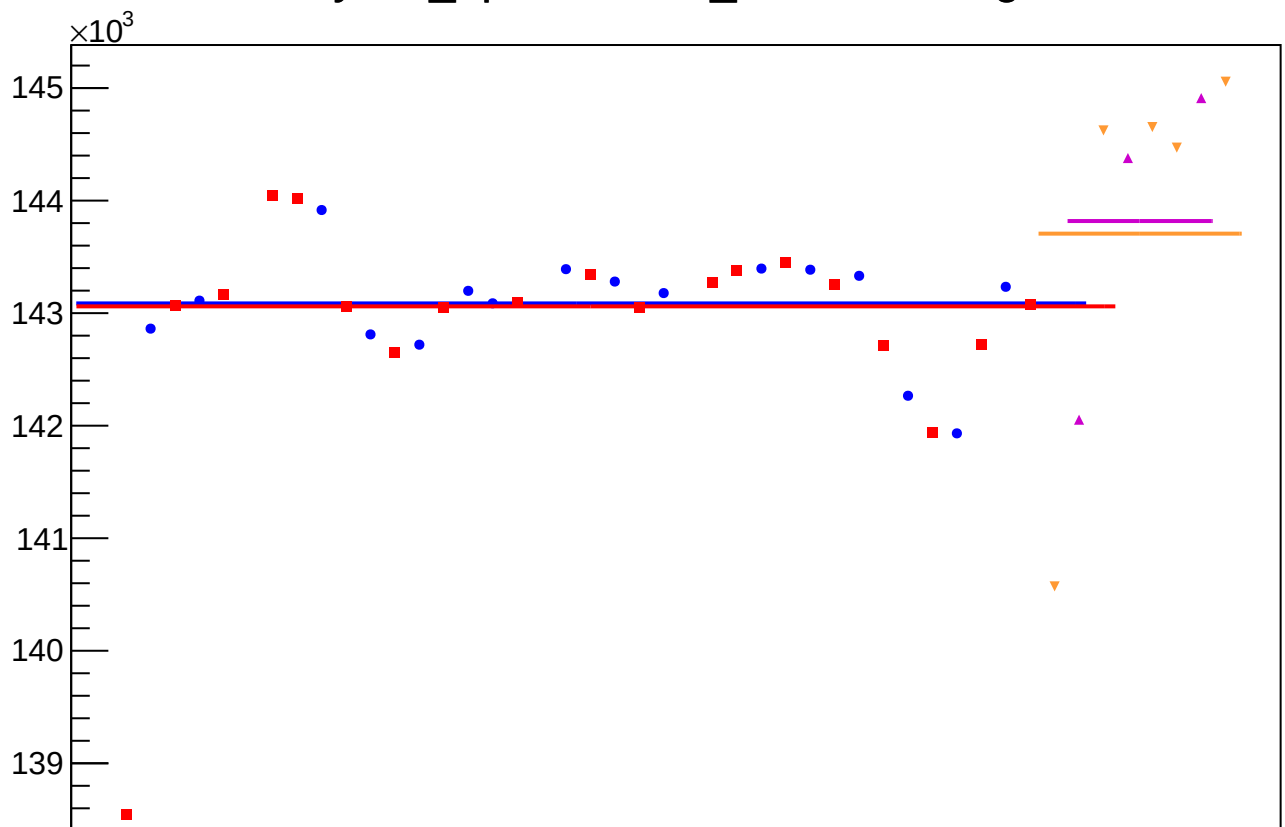
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 161.336+/-0.071 χ^2/NDF:4432.4/2

+ sign 155.386+/-0.035 χ^2/NDF: 1107590.4/20

All: 152.068+/-0.025 χ^2/NDF: 2435129.8/42

- sign 148.754+/-0.035 χ^2/NDF: 1309474.2/21



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

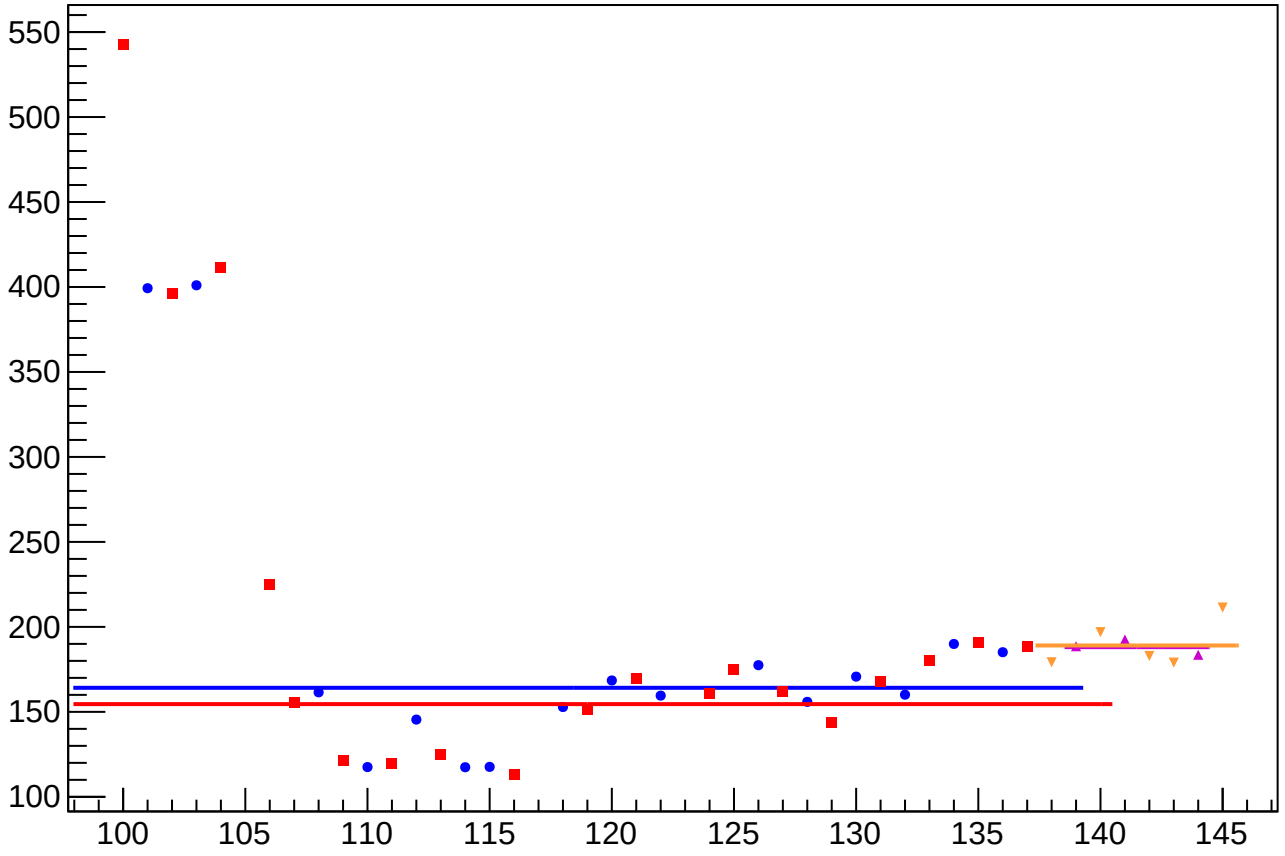
Left In: 143818.466+/-0.117 χ^2/NDF:111210208.0/2

+ sign 143268.214+/-0.055 χ^2/NDF: 375975486.6/2

All: 143243.719+/-0.038 χ^2/NDF: 57220646

- sign 143219.962+/-0.054 χ^2/NDF: 195836248.3/2

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

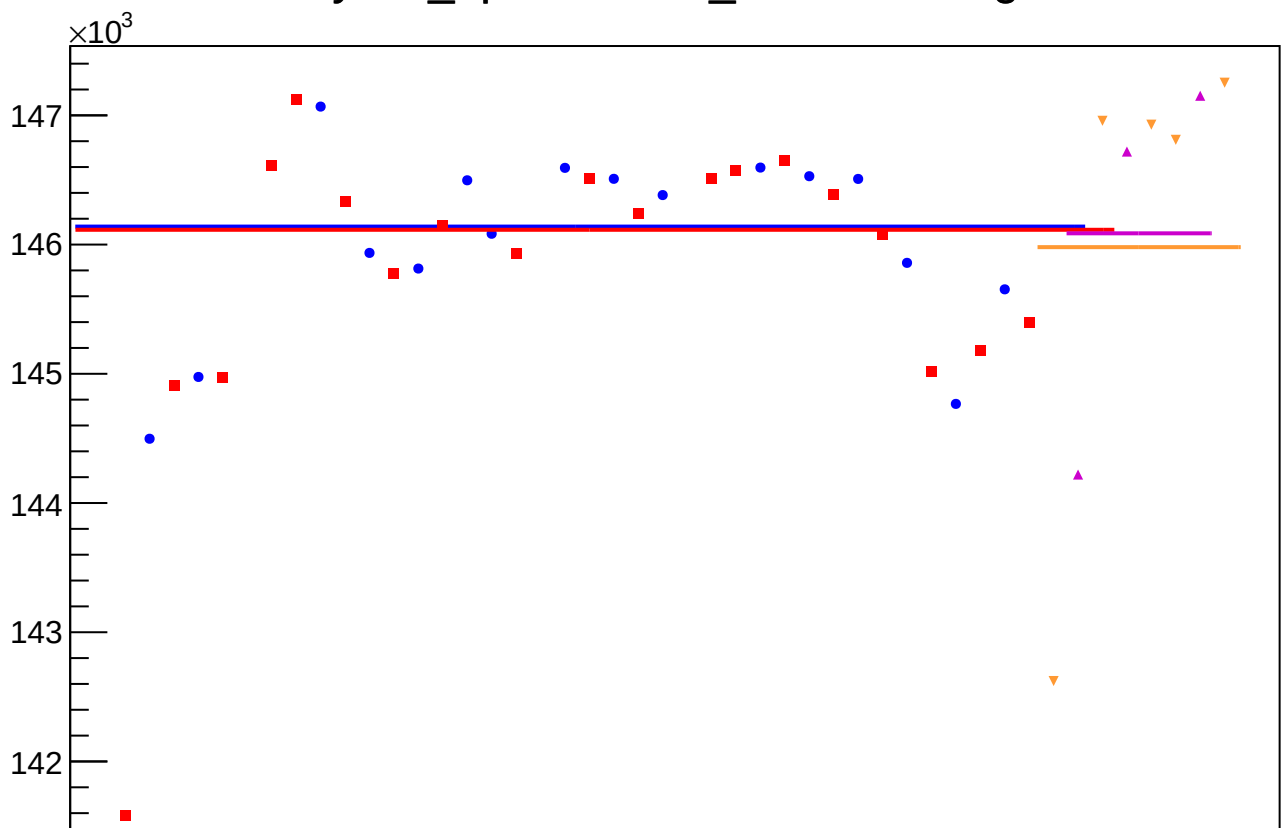
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 188.081+/-0.083 χ^2/NDF:1977.5/2

+ sign 171.464+/-0.039 χ^2/NDF: 1245993.1/20

All: 166.466+/-0.027 χ^2/NDF: 2776340.0/42

- sign 161.619+/-0.038 χ^2/NDF: 1497482.0/21



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

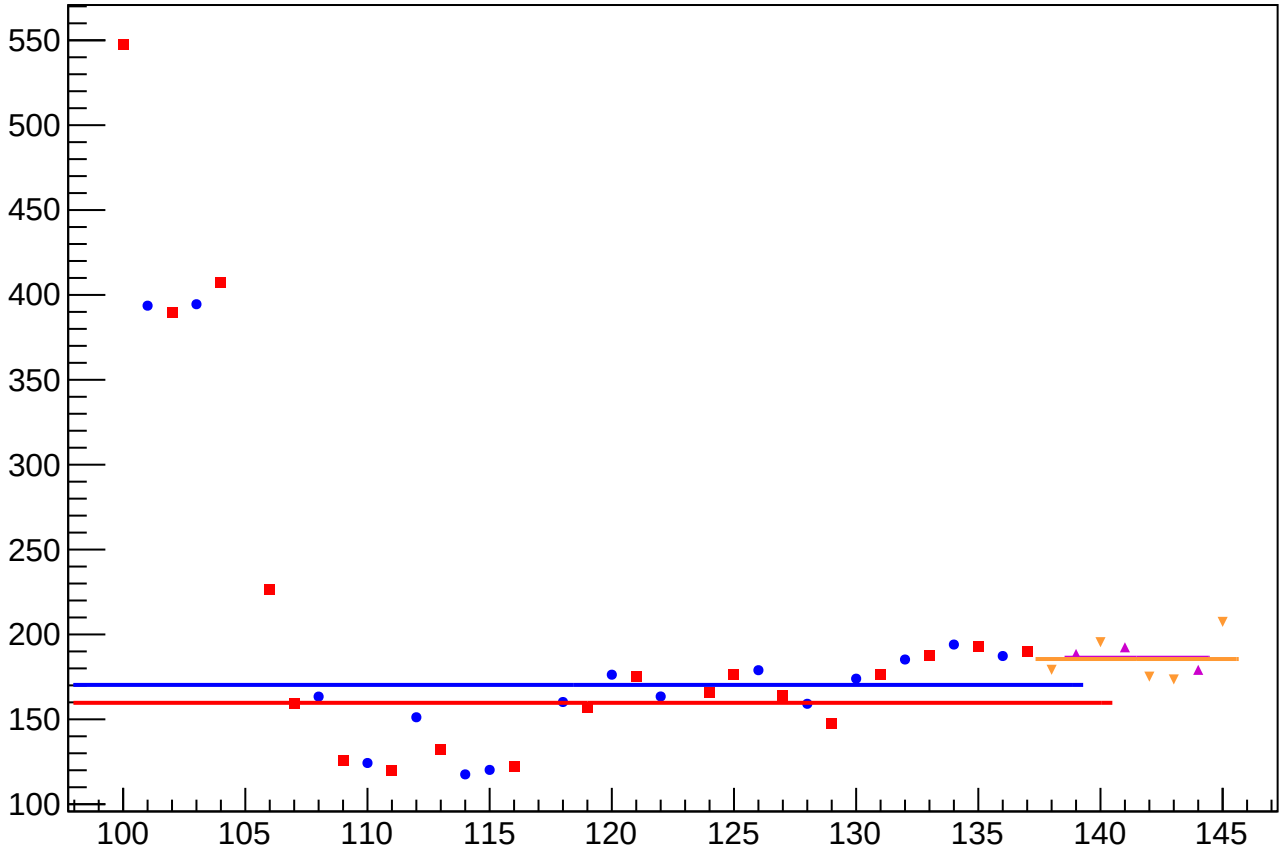
Left In: 146087.071+/-0.116 χ^2/NDF:122268391.0/2

+ sign 146088.825+/-0.056 χ^2/NDF: 415803053.4/2

All: 146098.688+/-0.039 χ^2/NDF: 61127857

- sign 146108.311+/-0.055 χ^2/NDF: 195413583.1/2

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

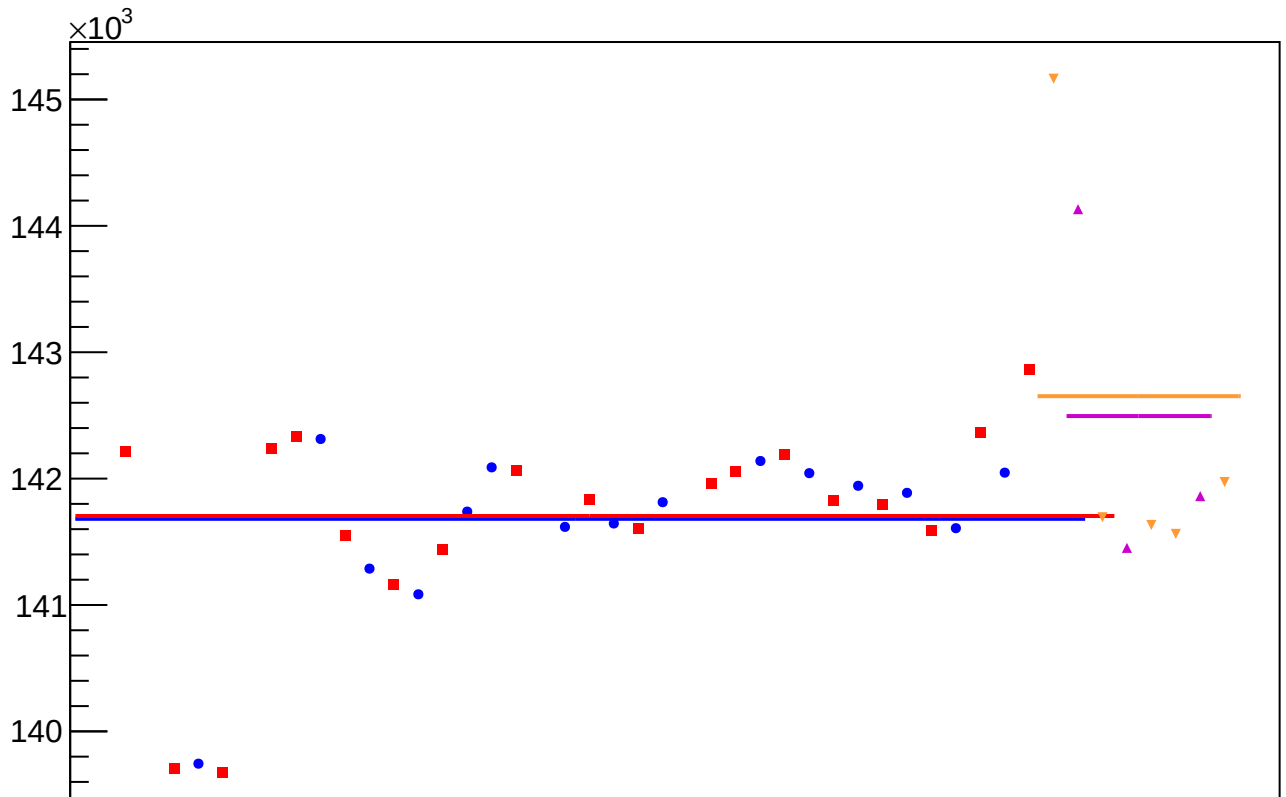
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 186.290+/-0.082 χ^2/NDF:4782.7/2

+ sign 175.109+/-0.039 χ^2/NDF: 1124031.8/20

All: 170.340+/-0.028 χ^2/NDF: 2530219.6/42

- sign 165.686+/-0.039 χ^2/NDF: 1377224.6/21



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

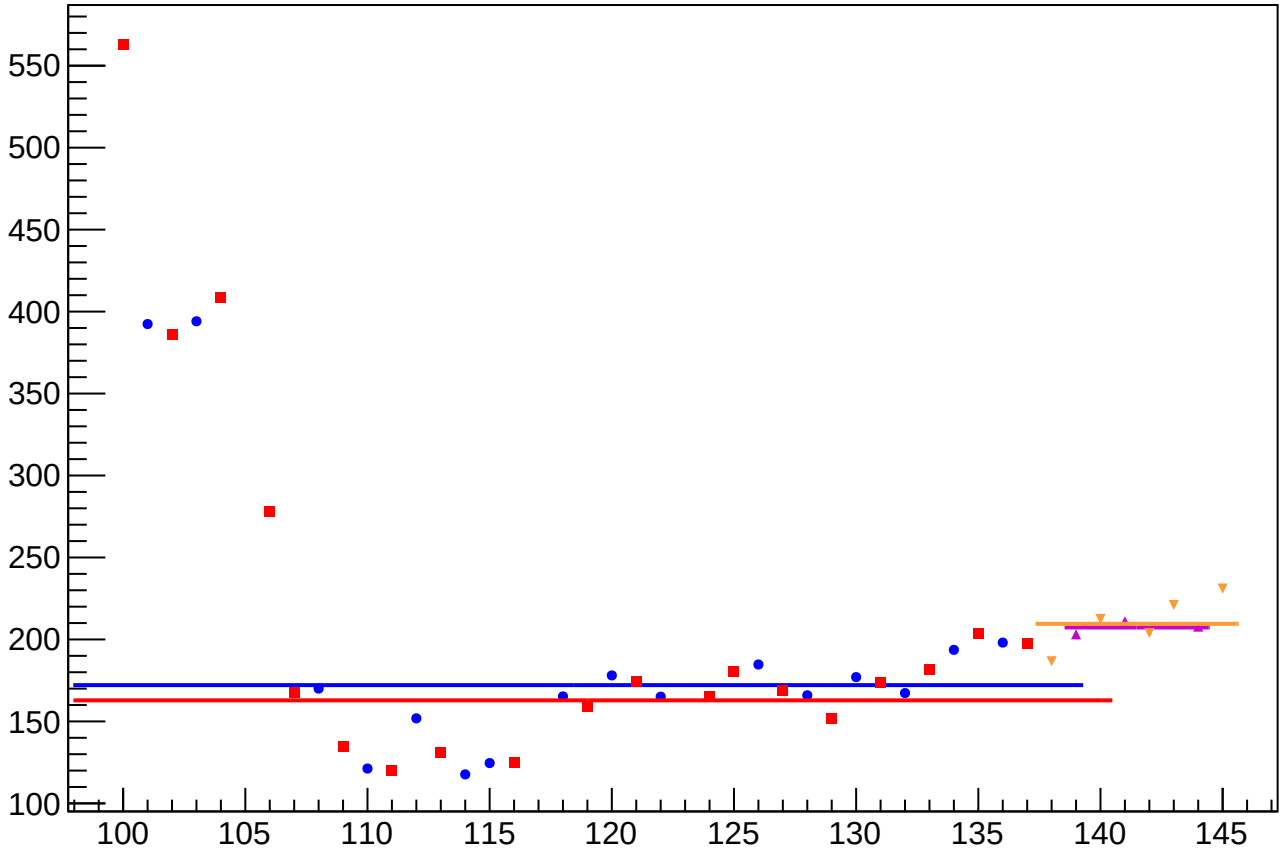
Left In: 142494.914+/-0.129 χ^2/NDF:83501539.8/2

+ sign 141947.258+/-0.058 χ^2/NDF: 310663889.8/2

All: 141902.579+/-0.041 χ^2/NDF: 49101409

- sign 141859.423+/-0.057 χ^2/NDF: 179191236.5/2

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

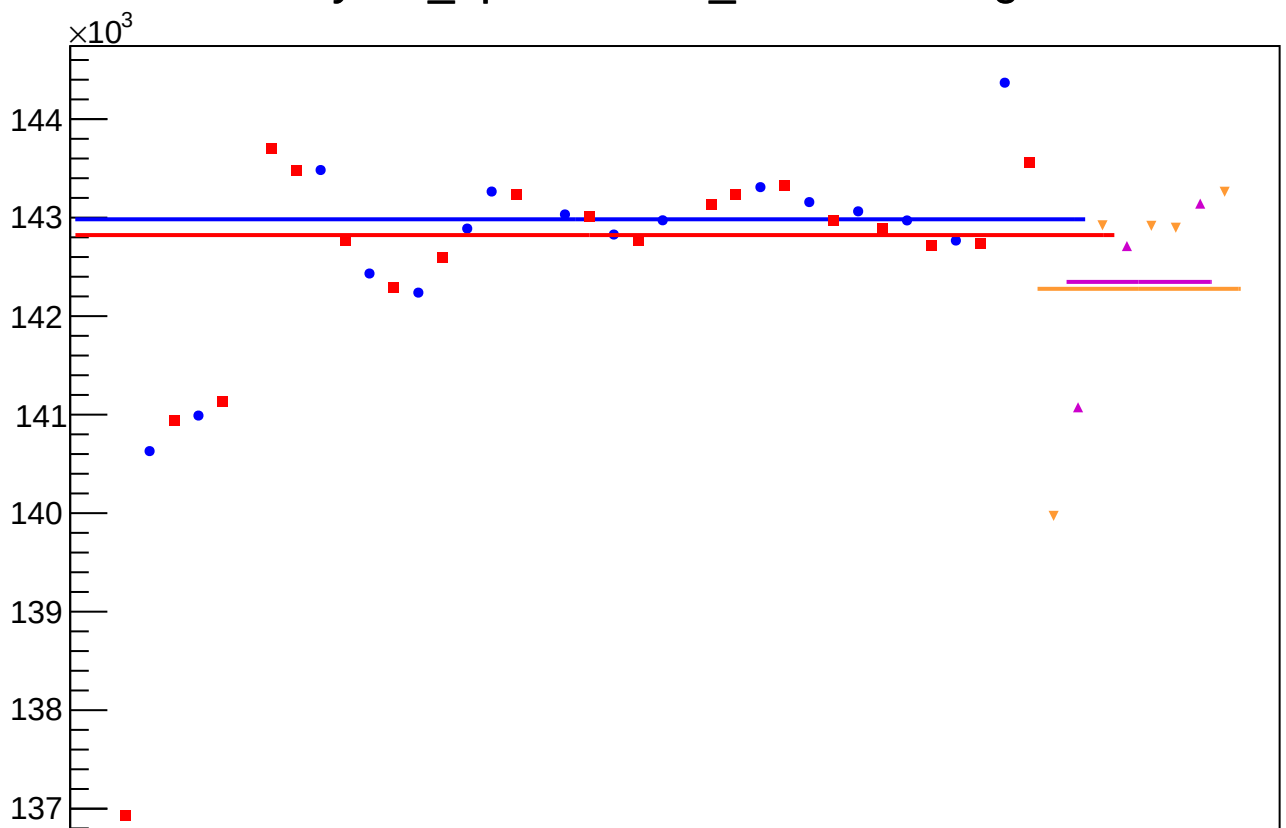
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 207.301+/-0.091 χ^2/NDF:1261.1/2

+ sign 182.368+/-0.041 χ^2/NDF: 1274631.2/20

All: 176.877+/-0.029 χ^2/NDF: 2807449.0/42

- sign 171.573+/-0.040 χ^2/NDF: 1497805.2/21



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

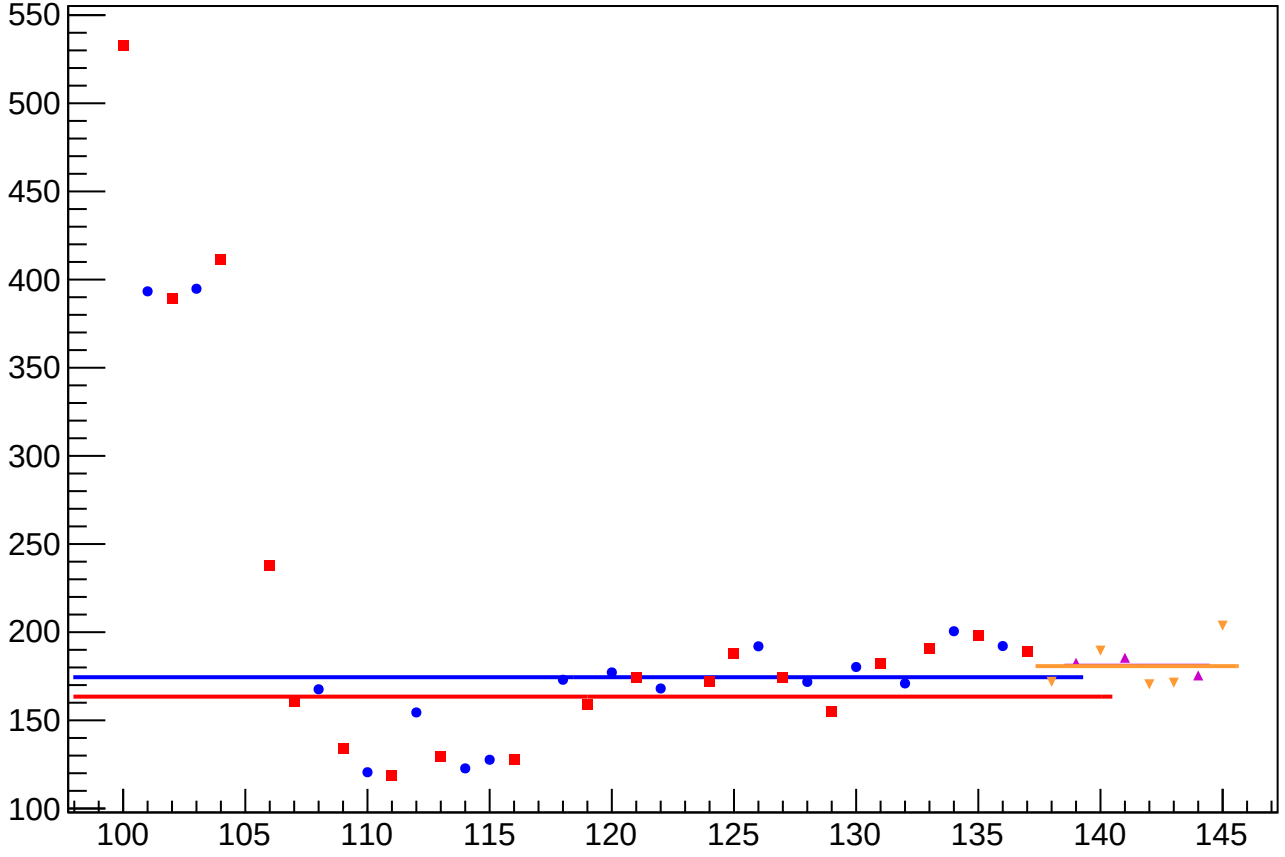
Left In: 142347.566+/-0.113 χ^2/NDF:61979134.5/2

+ sign 142742.666+/-0.056 χ^2/NDF: 323020100.3/2

All: 142724.527+/-0.040 χ^2/NDF: 46223616

- sign 142706.681+/-0.056 χ^2/NDF: 139008835.0/2

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

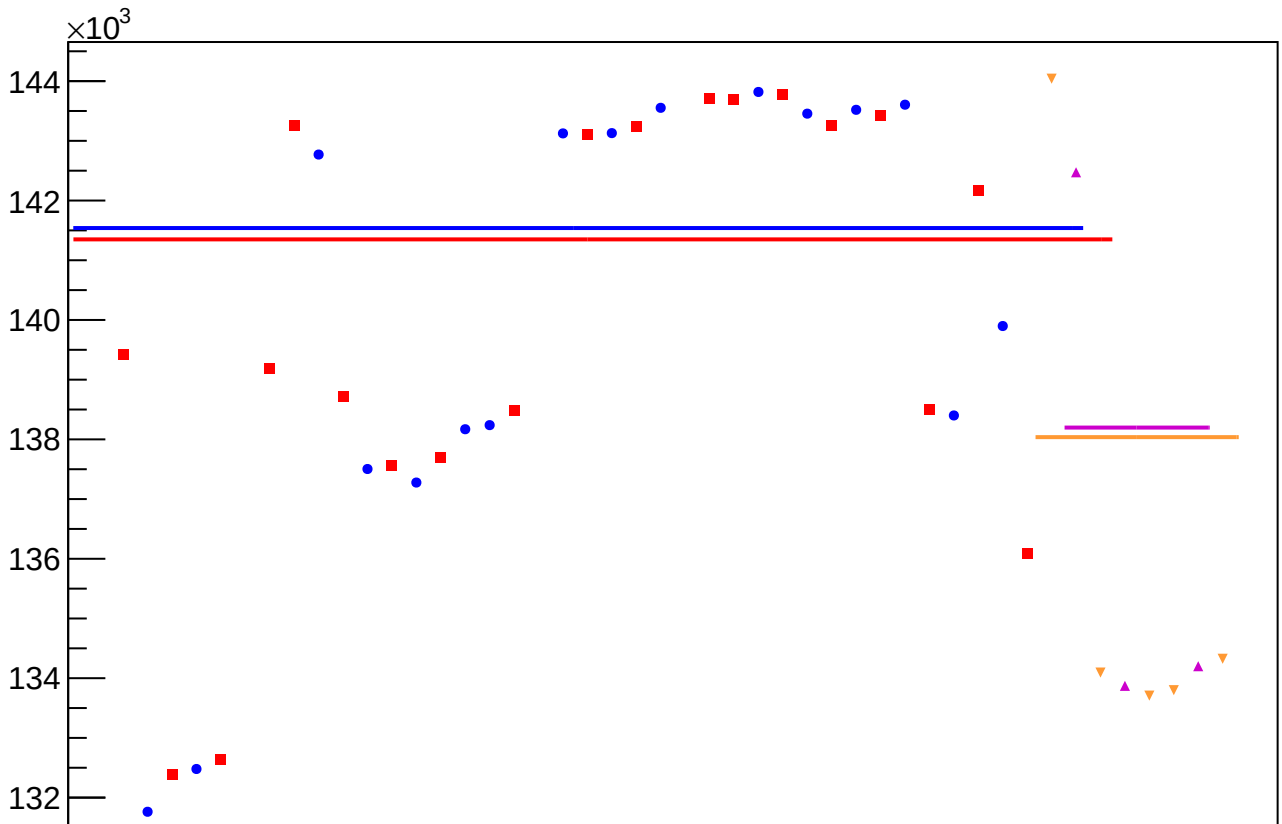
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 180.972+/-0.080 χ^2/NDF:2905.1/2

+ sign 176.606+/-0.040 χ^2/NDF: 1090105.7/20

All: 172.131+/-0.028 χ^2/NDF: 2437314.6/42

- sign 167.728+/-0.039 χ^2/NDF: 1321983.0/21



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

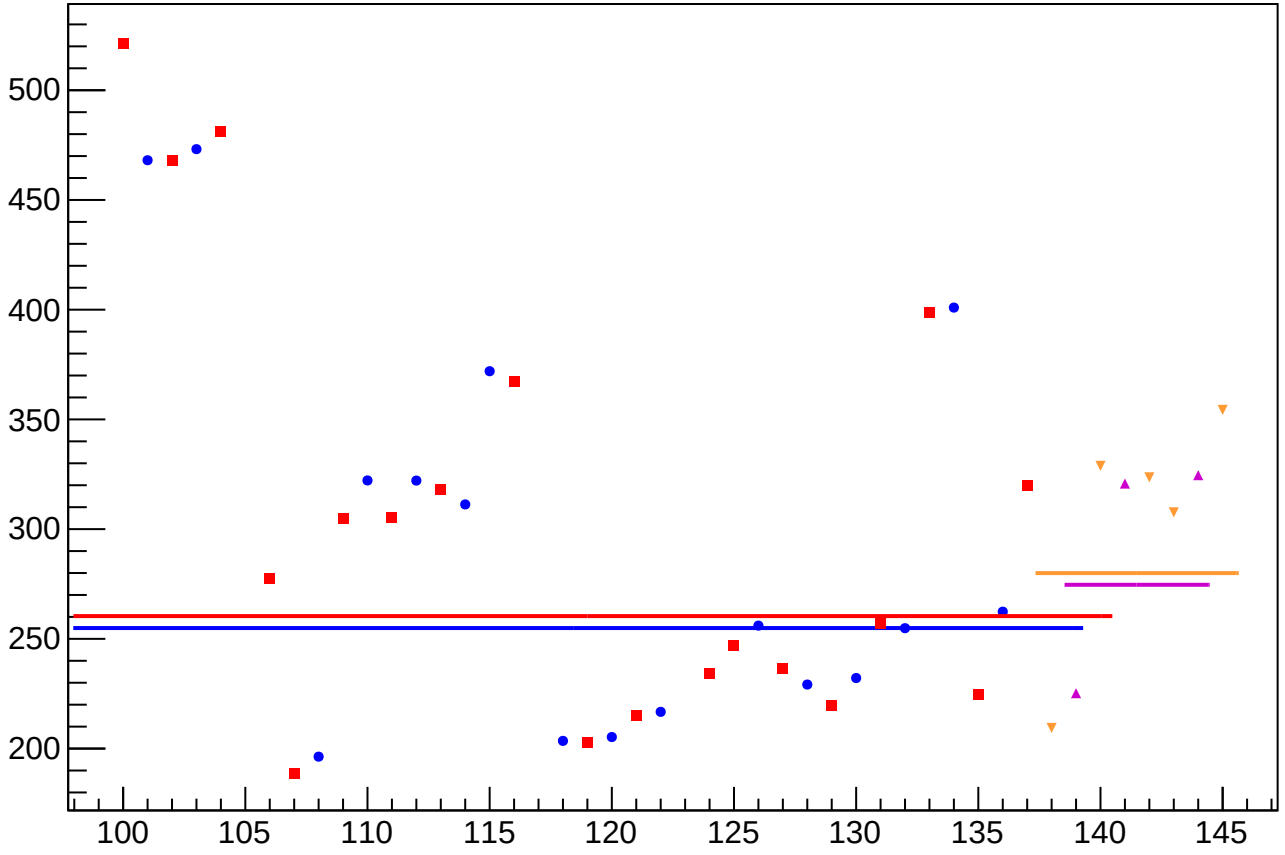
Left In: 138197.544+/-0.176 χ^2/NDF:576065245.9/2

+ sign 140484.088+/-0.084 χ^2/NDF: 2342613083.9

All: 140523.768+/-0.061 χ^2/NDF: 40874232

- sign 140566.665+/-0.088 χ^2/NDF: 1744348667.4/

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

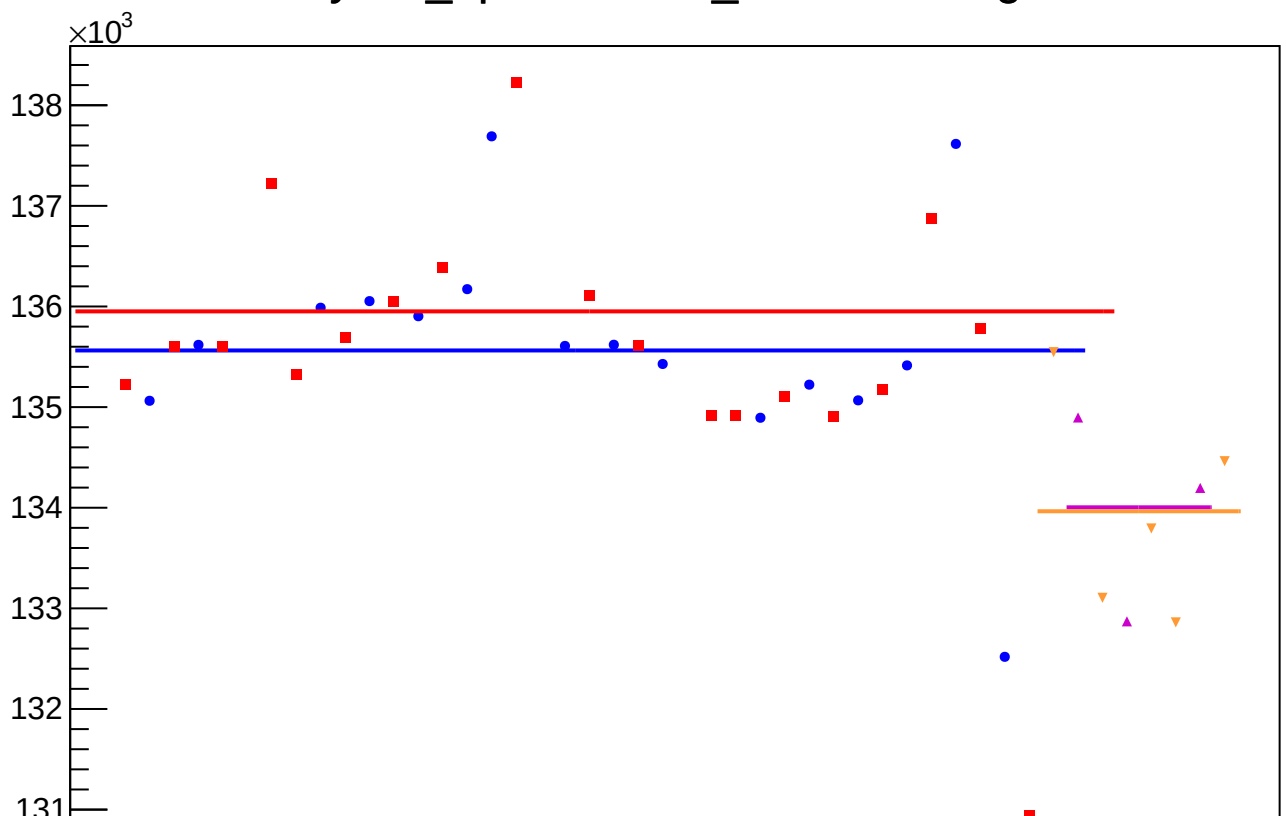
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 274.633+/-0.124 χ^2/NDF:153721.5/2

+ sign 262.466+/-0.060 χ^2/NDF: 1286942.0/20

All: 263.161+/-0.043 χ^2/NDF: 2444144.2/42

- sign 263.911+/-0.062 χ^2/NDF: 1156919.6/21



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

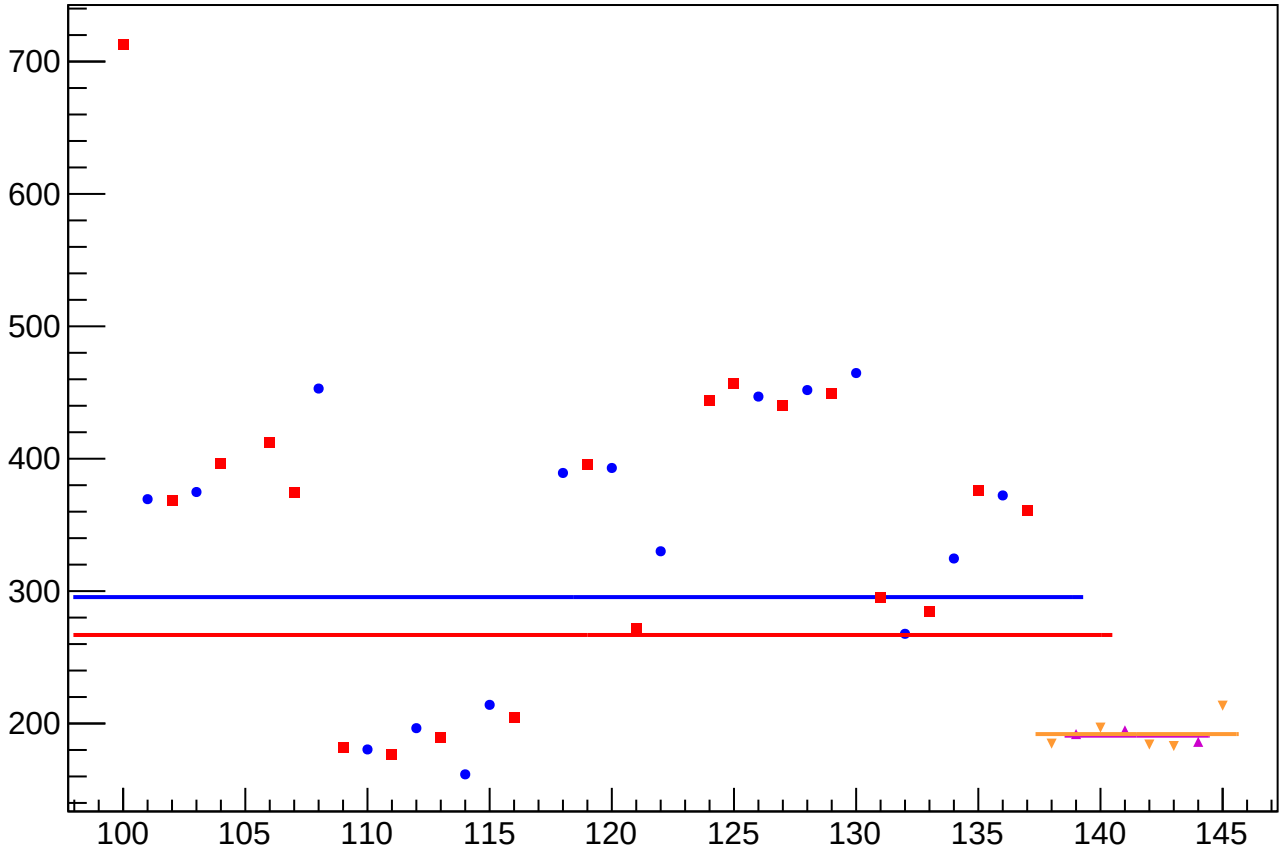
Left In: 134004.164+/-0.119 χ^2/NDF:47571913.9/2

+ sign 134653.547+/-0.078 χ^2/NDF: 300534729.0/2

All: 134866.902+/-0.056 χ^2/NDF: 60345120

- sign 135089.805+/-0.079 χ^2/NDF: 287495709.2/2

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

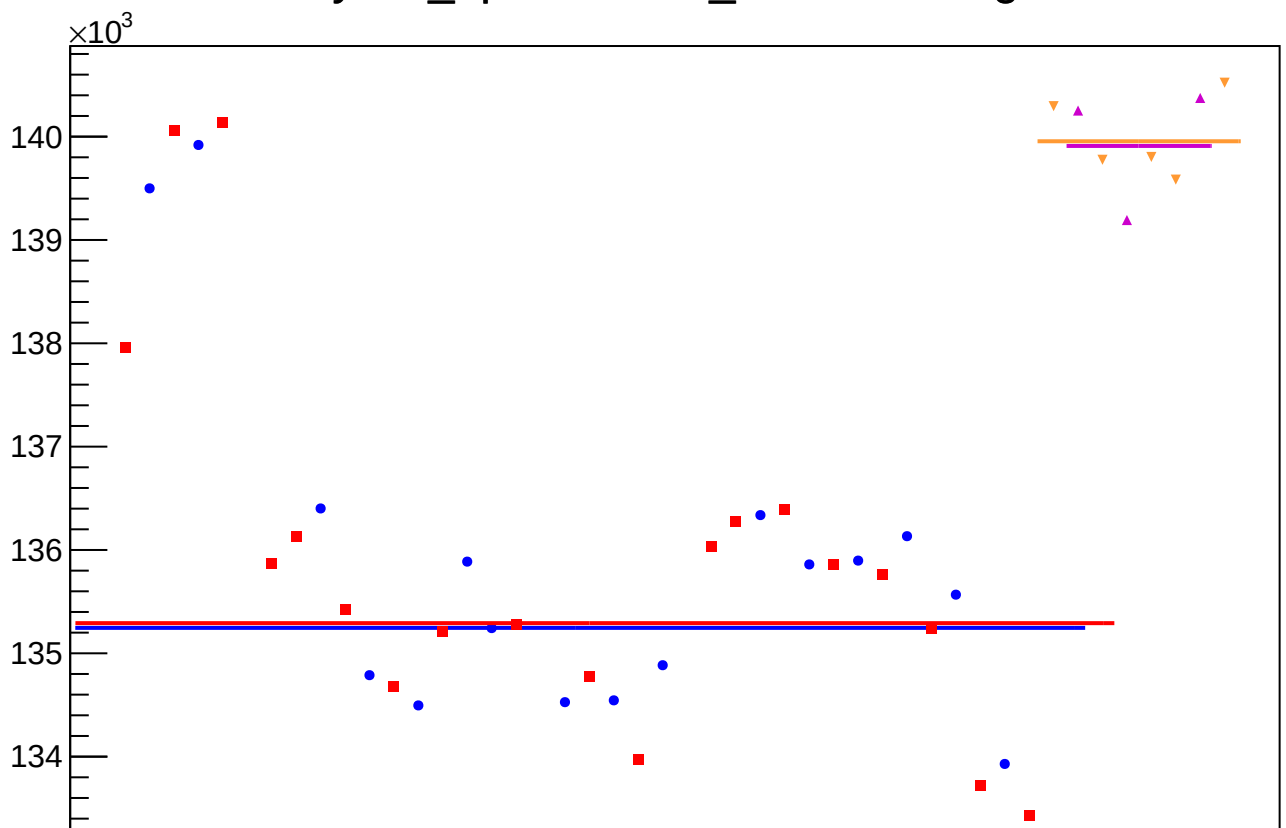
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 190.808+/-0.084 χ^2/NDF:1885.1/2

+ sign 236.595+/-0.055 χ^2/NDF: 2336890.8/20

All: 234.939+/-0.039 χ^2/NDF: 4471284.1/42

- sign 233.210+/-0.056 χ^2/NDF: 2132536.4/21



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

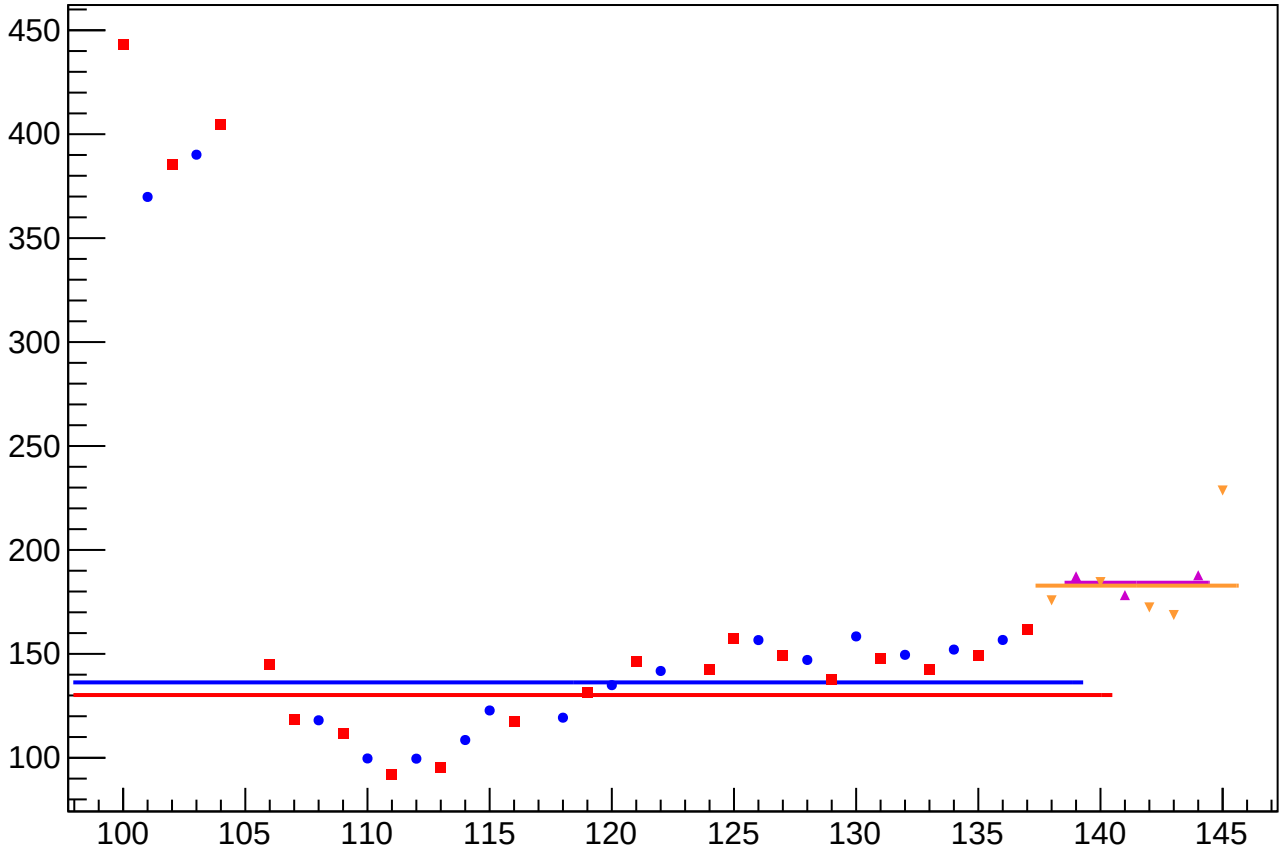
Left In: 139910.060+/-0.115 χ^2/NDF:22307243.3/2

+ sign 136375.839+/-0.048 χ^2/NDF: 2177220535.8

All: 136223.658+/-0.034 χ^2/NDF: 39518900

- sign 136074.968+/-0.047 χ^2/NDF: 1754553716.3/

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

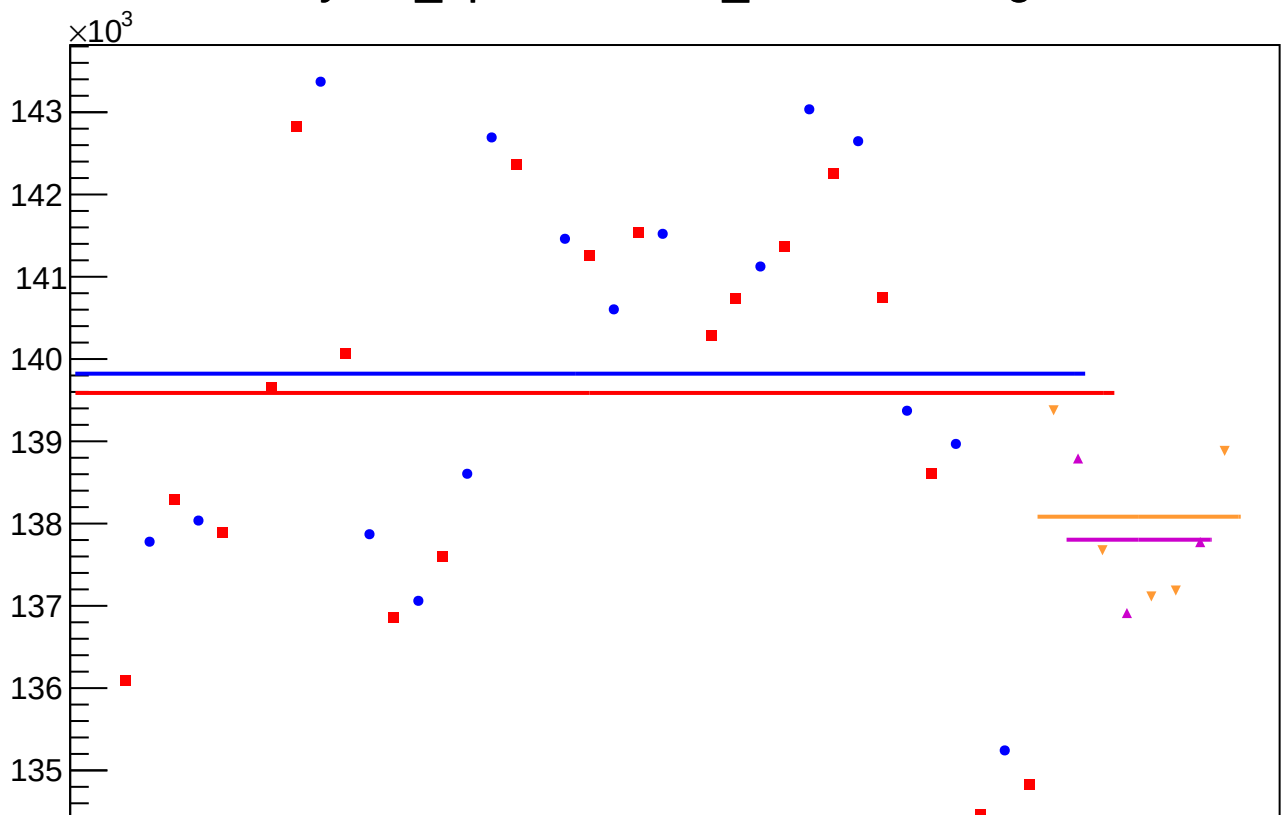
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 184.229+/-0.081 χ^2/NDF:3049.1/2

+ sign 147.451+/-0.034 χ^2/NDF: 1810176.9/20

All: 143.362+/-0.024 χ^2/NDF: 3732700.7/42

- sign 139.367+/-0.033 χ^2/NDF: 1893479.3/21



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

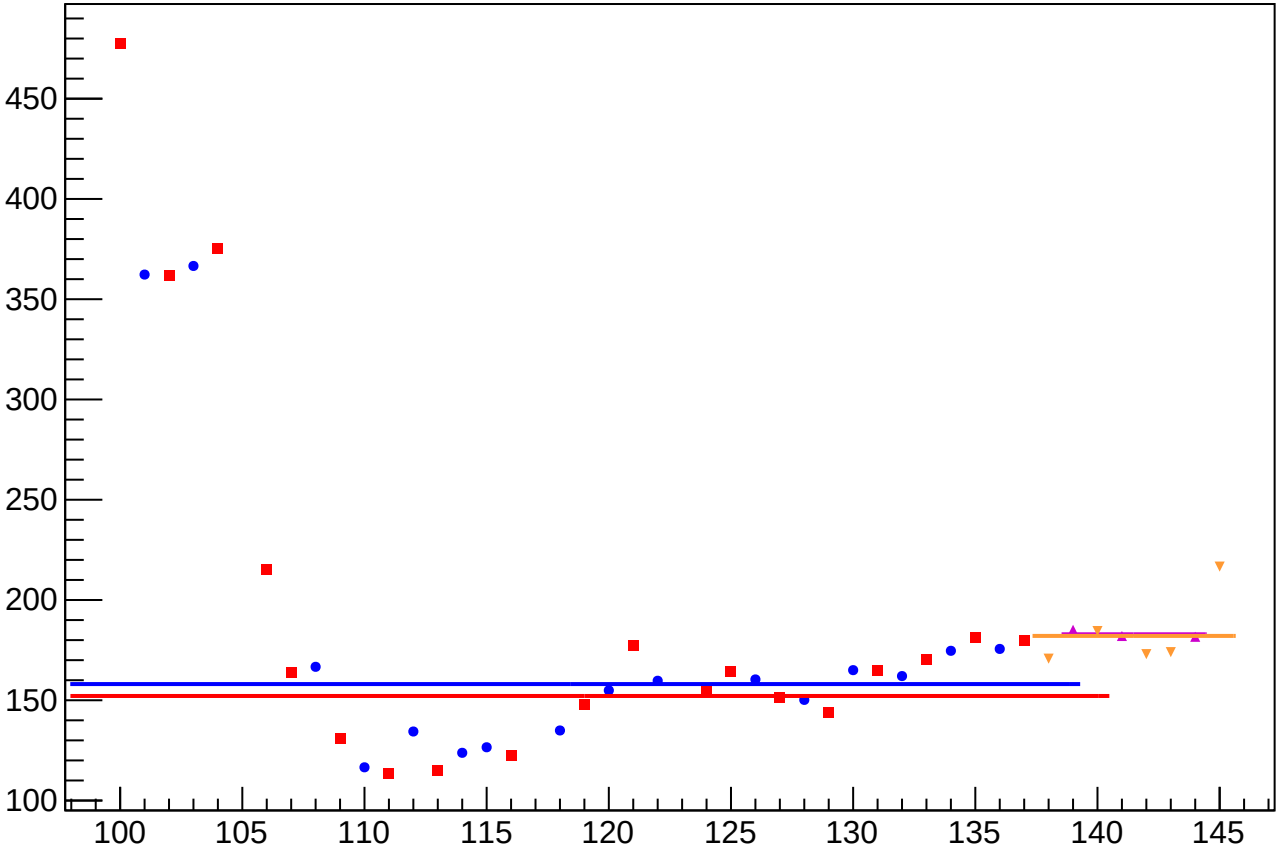
Left In: 137803.908+/-0.114 χ^2/NDF:44618915.7/2

+ sign 139311.571+/-0.053 χ^2/NDF: 1981880901.6

All: 139257.730+/-0.037 χ^2/NDF: 37038736

- sign 139203.286+/-0.053 χ^2/NDF: 1719885825.6/

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

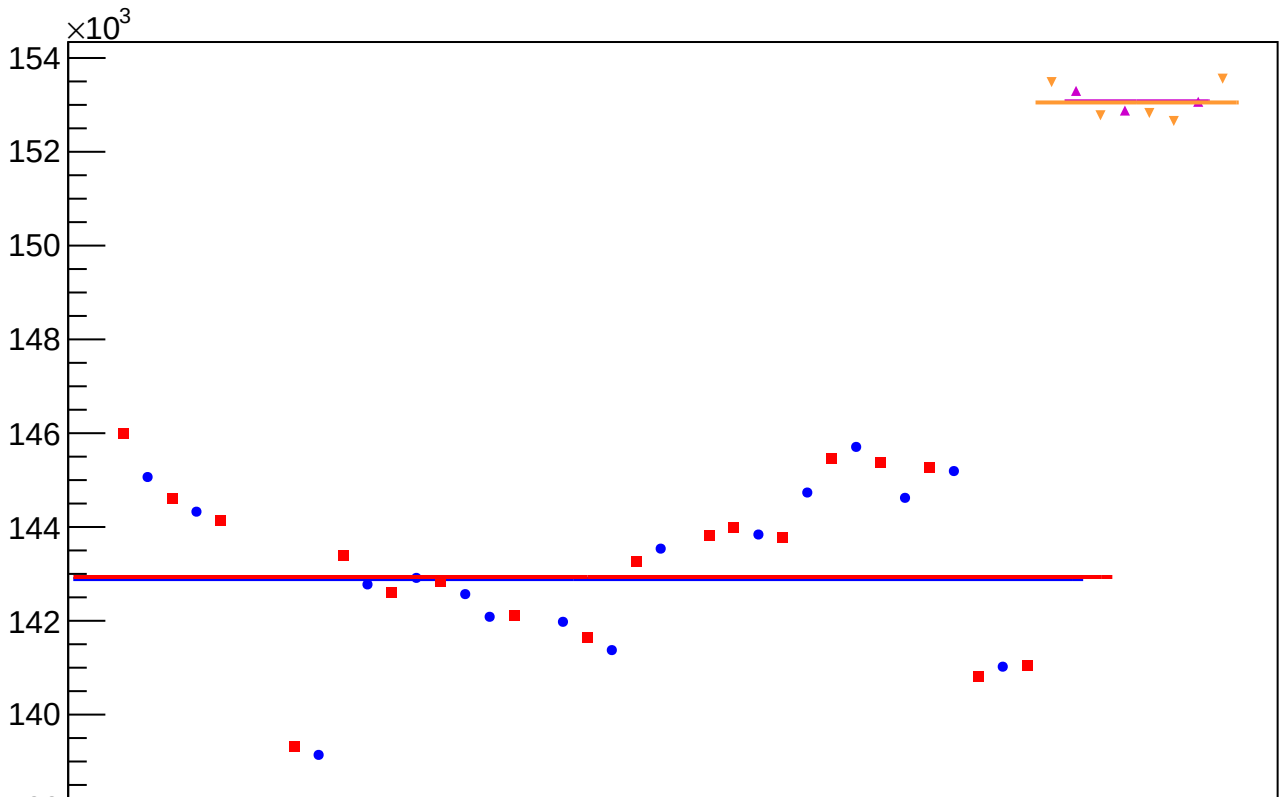
Left In: 182.905+/-0.081 χ^2/NDF:365.7/2

+ sign 165.132+/-0.037 χ^2/NDF: 1156789.3/20

All: 161.969+/-0.026 χ^2/NDF: 2515150.5/42

- sign 158.771+/-0.037 χ^2/NDF: 1343823.5/21

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

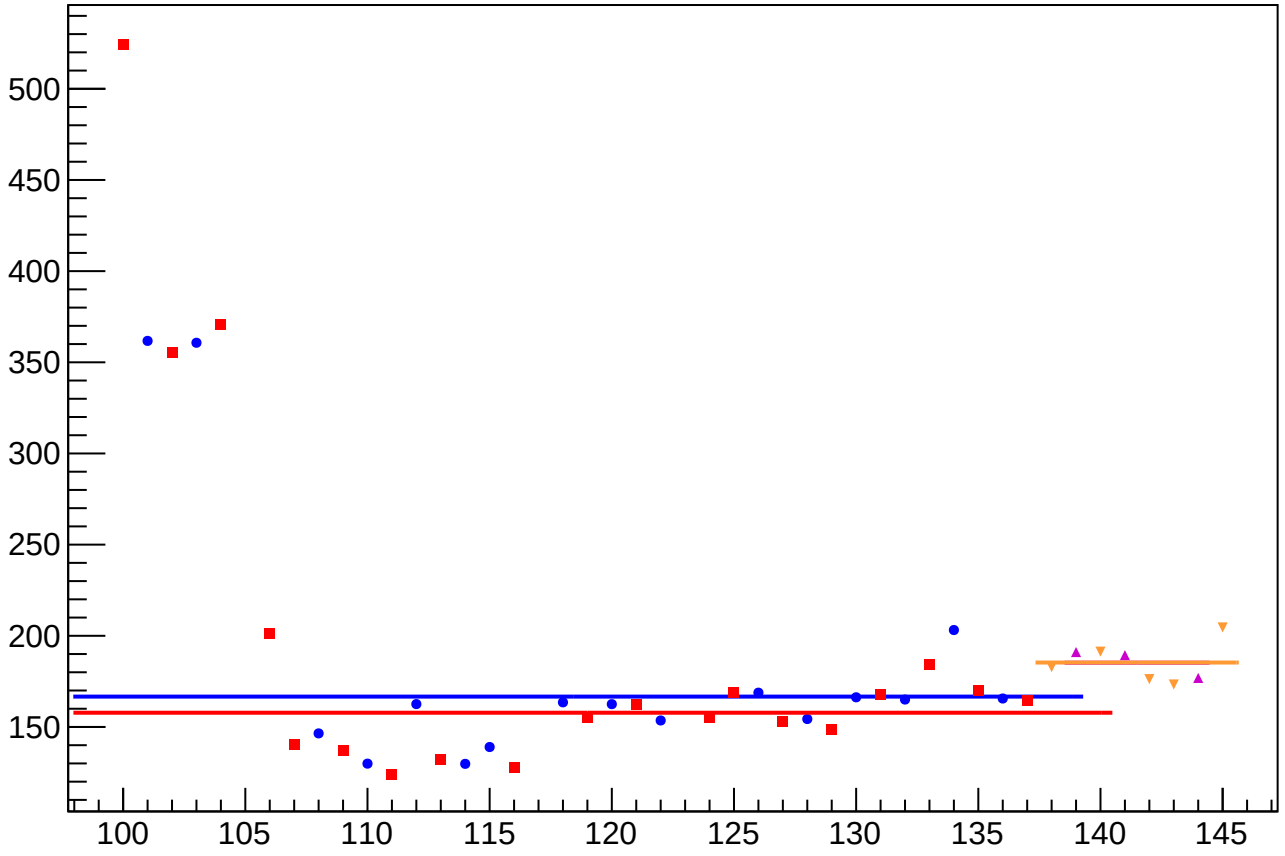
Left In: 153076.818+/-0.115 χ^2/NDF:2067146.7/2

+ sign 146005.721+/-0.055 χ^2/NDF: 8119020837.7

All: 145589.984+/-0.039 χ^2/NDF: 15040154

- sign 145180.270+/-0.054 χ^2/NDF: 6806416674.8/

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

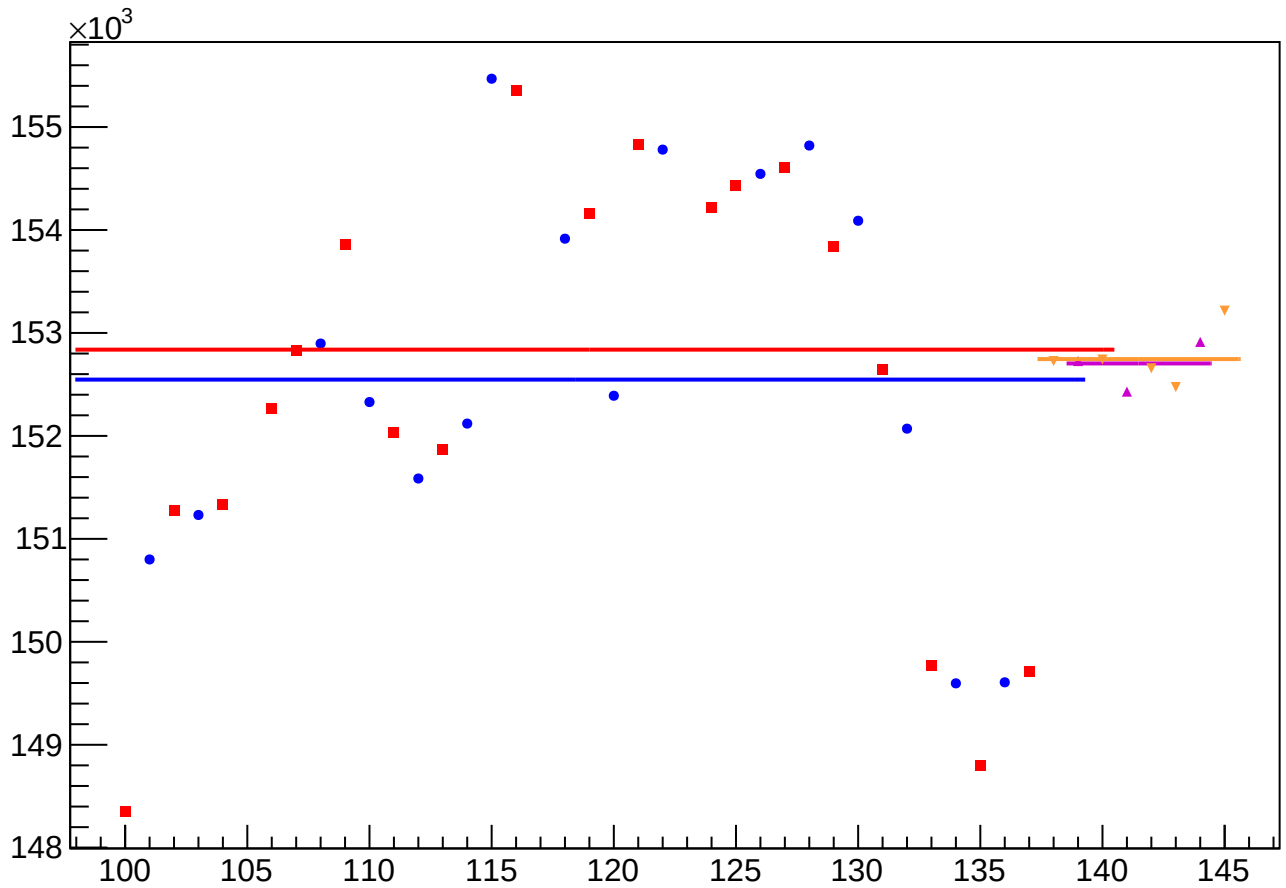
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 185.237+/-0.082 χ^2/NDF:6301.6/2

+ sign 172.386+/-0.039 χ^2/NDF: 938792.0/20

All: 168.104+/-0.027 χ^2/NDF: 2079766.5/42

- sign 163.884+/-0.038 χ^2/NDF: 1116632.5/21



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

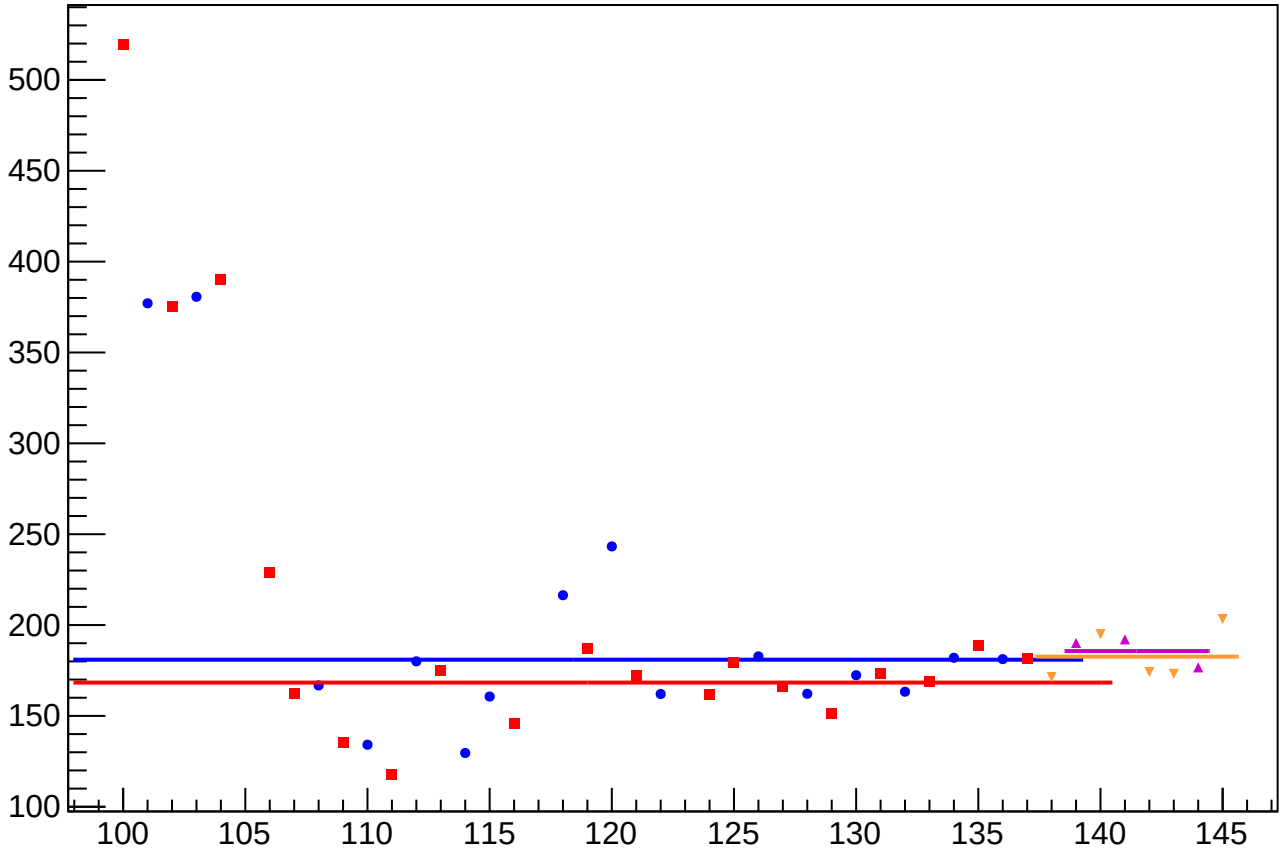
Left In: 152703.879+/-0.115 χ^2/NDF:3014879.9/2

+ sign 152618.404+/-0.058 χ^2/NDF: 663539430.5/2

All: 152712.055+/-0.041 χ^2/NDF: 14096243

- sign 152804.398+/-0.058 χ^2/NDF: 740931942.1/2

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

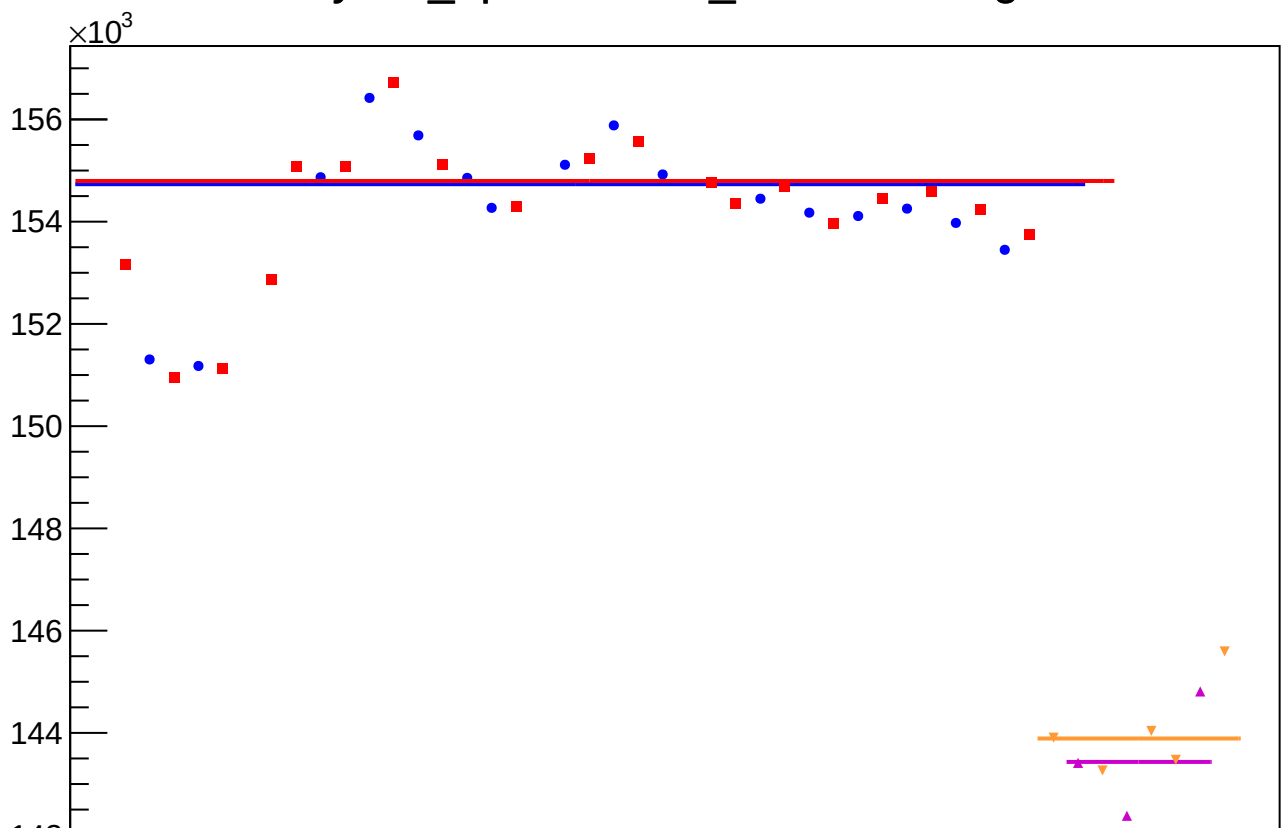
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 185.715+/-0.082 χ^2/NDF:7433.7/2

+ sign 181.543+/-0.041 χ^2/NDF: 944137.5/20

All: 177.085+/-0.029 χ^2/NDF: 2097934.8/42

- sign 172.689+/-0.041 χ^2/NDF: 1130443.5/21



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

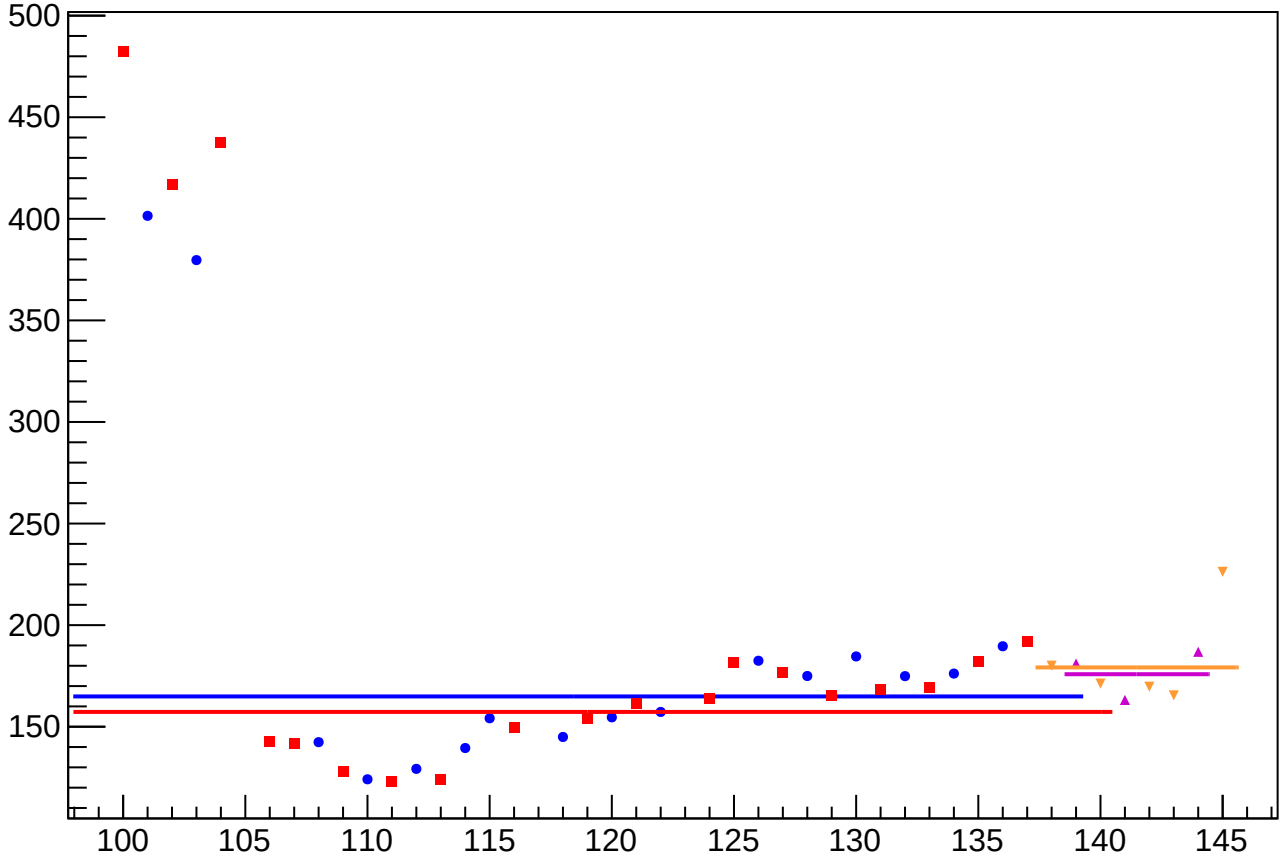
Left In: 143432.346+/-0.109 χ^2/NDF:84797060.9/2

+ sign 151258.445+/-0.054 χ^2/NDF: 9200214420.8

All: 151677.823+/-0.038 χ^2/NDF: 17954809

- sign 152090.348+/-0.053 χ^2/NDF: 8633803272.5/

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

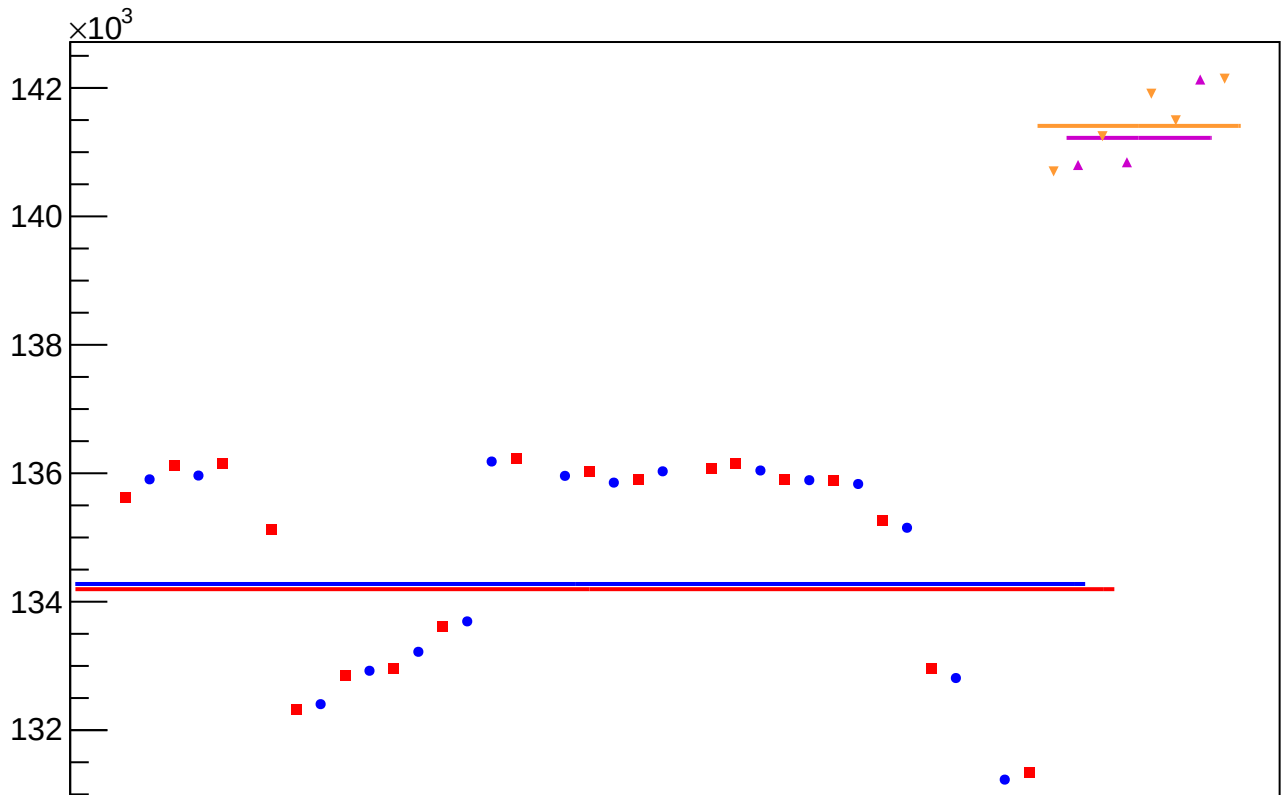
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 175.845+/-0.077 χ^2/NDF:18126.4/2

+ sign 169.482+/-0.038 χ^2/NDF: 1190434.2/20

All: 165.560+/-0.027 χ^2/NDF: 2528518.0/42

- sign 161.702+/-0.038 χ^2/NDF: 1316955.8/21



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

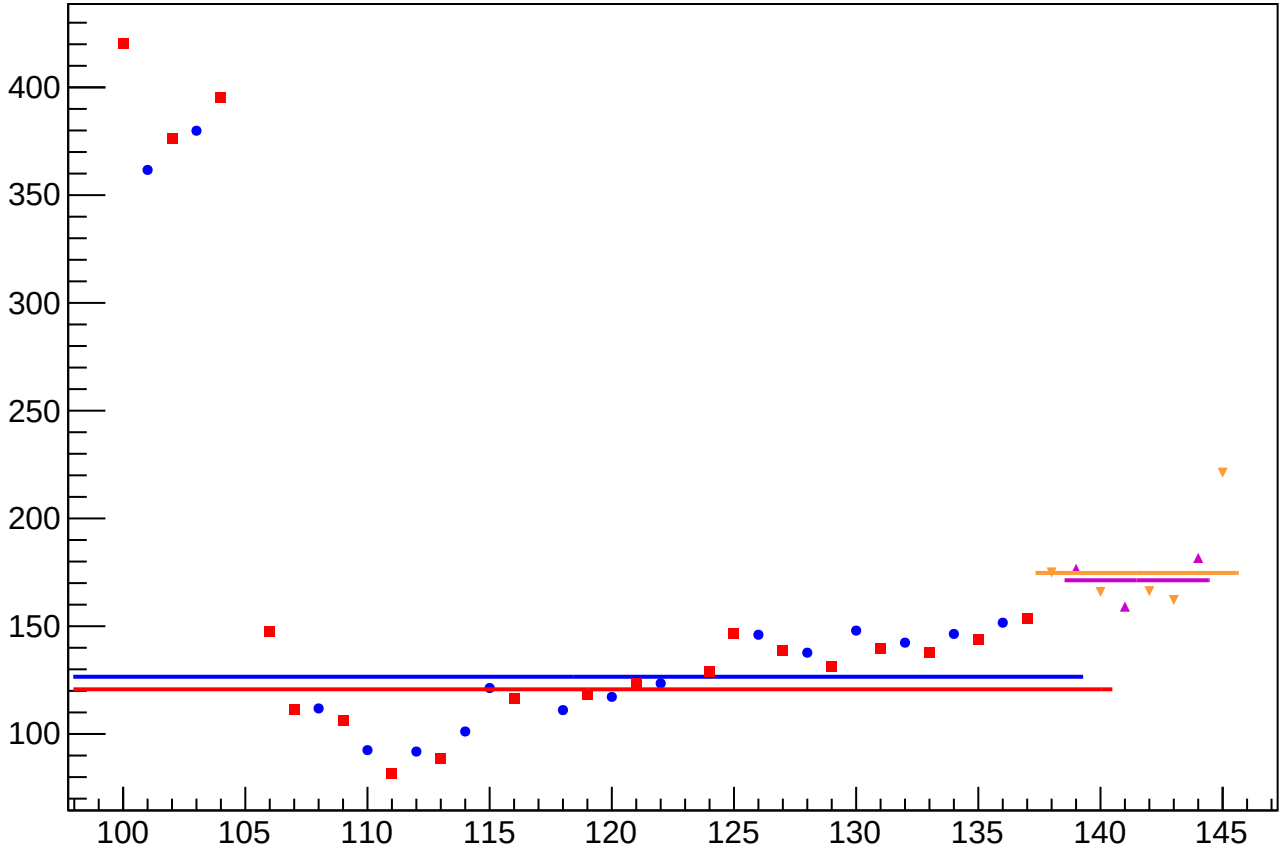
Left In: 141222.620+/-0.107 χ^2/NDF:31911465.7/2

+ sign 135925.989+/-0.045 χ^2/NDF: 5725142081.4

All: 135648.107+/-0.031 χ^2/NDF: 10657432

- sign 135380.345+/-0.044 χ^2/NDF: 4855932549.2/

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

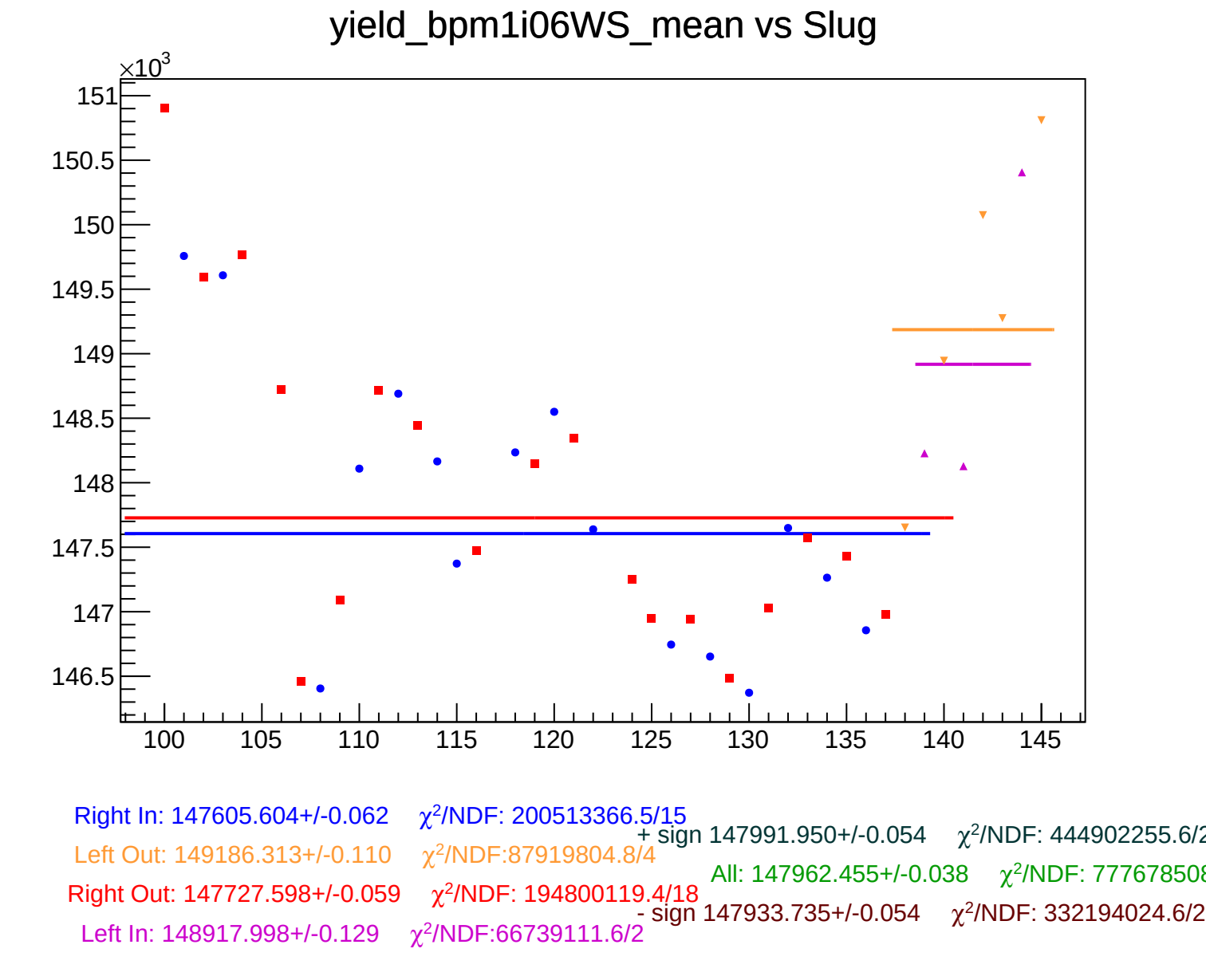
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 171.317+/-0.075 χ^2/NDF:17572.1/2

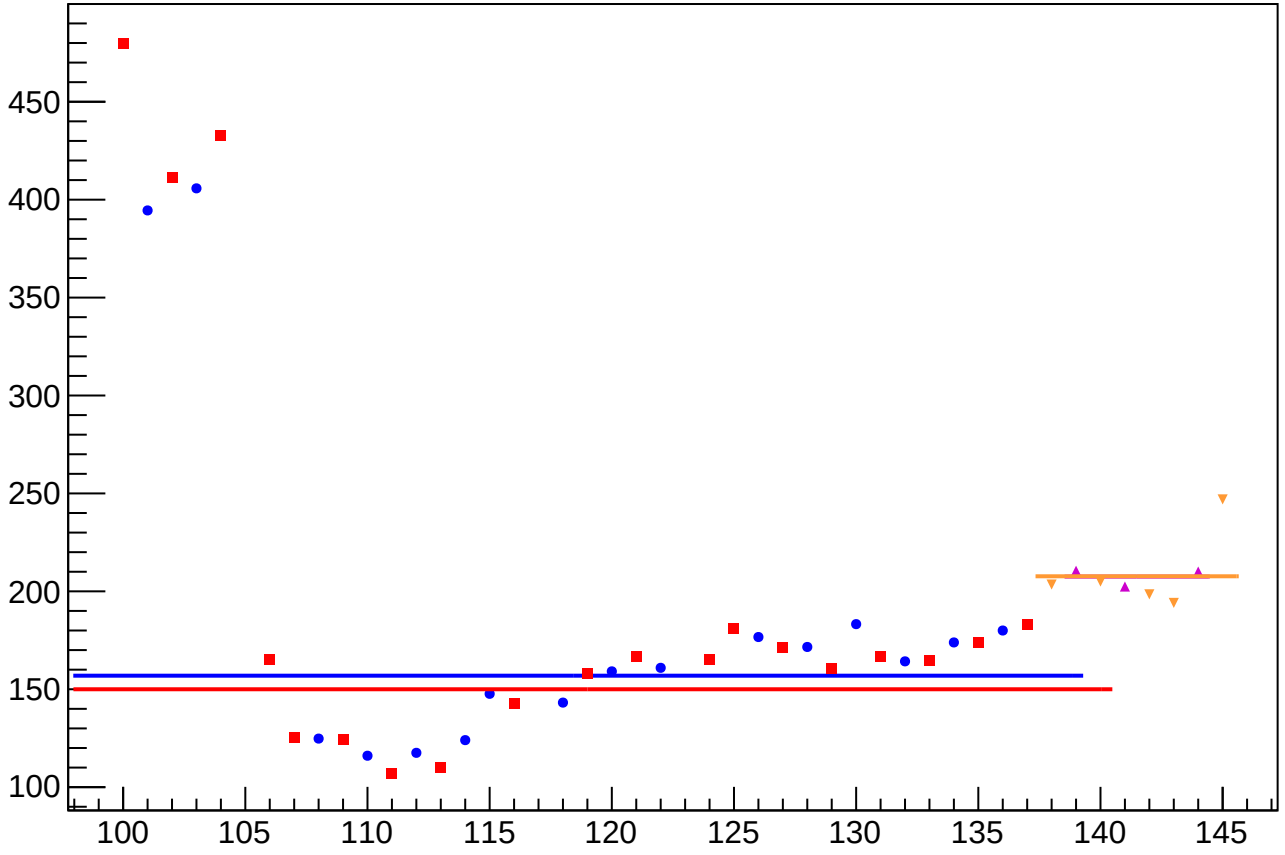
+ sign 137.694+/-0.032 χ^2/NDF: 1980559.5/20

All: 133.396+/-0.022 χ^2/NDF: 4042508.8/42

- sign 129.255+/-0.031 χ^2/NDF: 2025422.5/21


yield_bpm1i06WS_mean vs Slug
×10^3
151
150.5
150
149.5
149
148.5
148
147.5
147
146.5
100
105
110
115
120
125
130
135
140
145
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 149186.313+/-0.110 χ²/NDF:87919804.8/4
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 148917.998+/-0.129 χ²/NDF:66739111.6/2
+ sign 147991.950+/-0.054 χ²/NDF: 444902255.6/2
All: 147962.455+/-0.038 χ²/NDF: 77767850
- sign 147933.735+/-0.054 χ²/NDF: 332194024.6/2

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

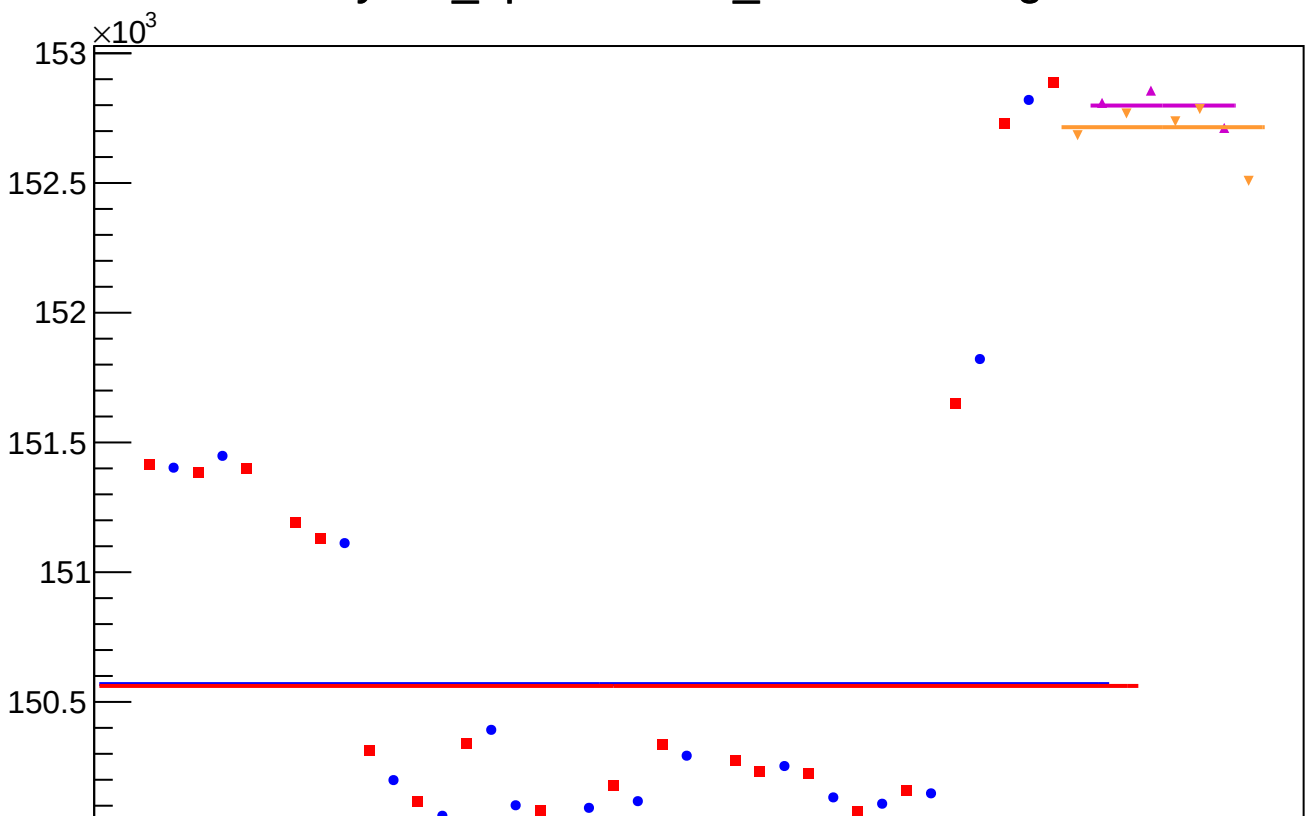
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 207.530+/-0.091 χ^2/NDF:1706.6/2

+ sign 169.333+/-0.038 χ^2/NDF: 1639648.0/20

All: 164.583+/-0.027 χ^2/NDF: 3455609.1/42

- sign 159.957+/-0.038 χ^2/NDF: 1785755.0/21



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

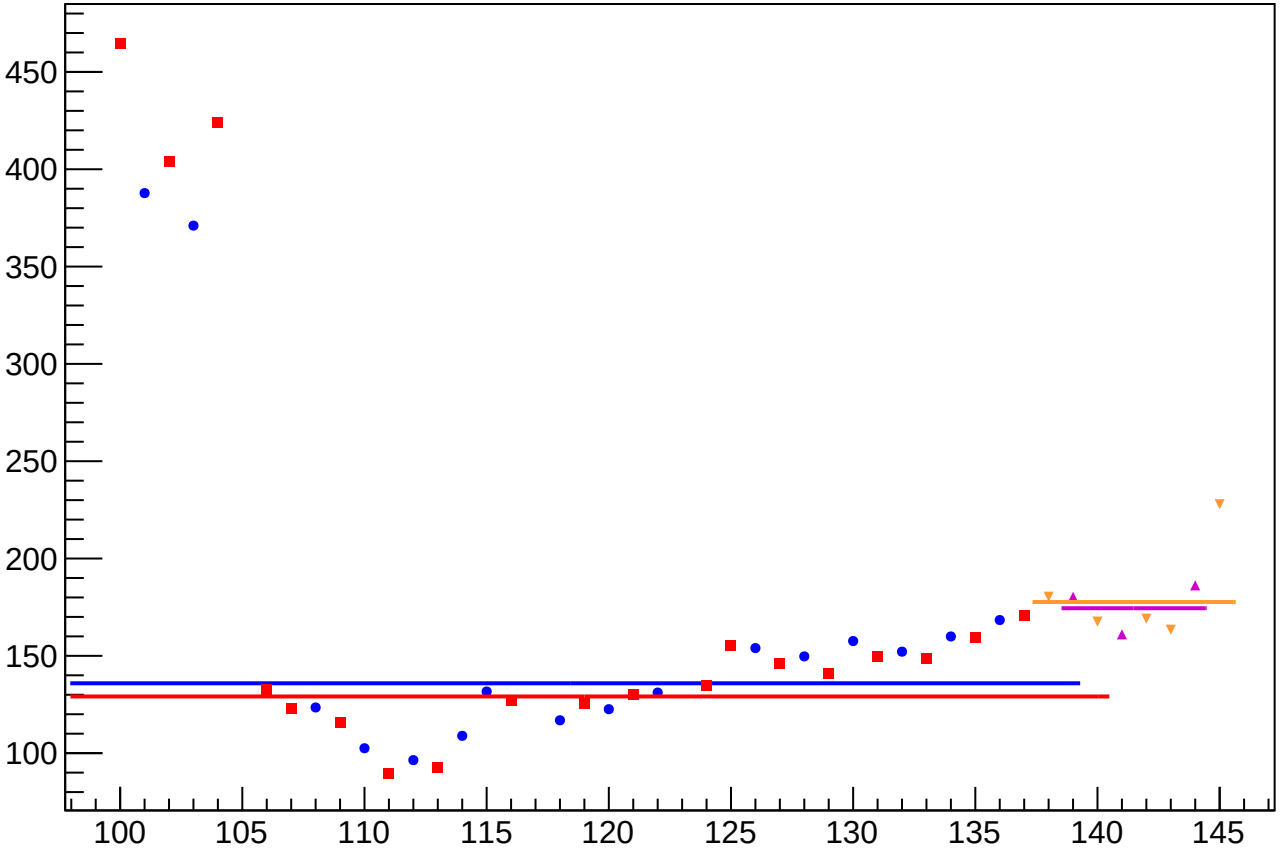
Left In: 152798.480+/-0.108 χ^2/NDF:304819.8/2

+ sign 151108.226+/-0.047 χ^2/NDF: 626424006.3/2

All: 151035.755+/-0.033 χ^2/NDF: 11773814

- sign 150966.662+/-0.046 χ^2/NDF: 546362205.3/2

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

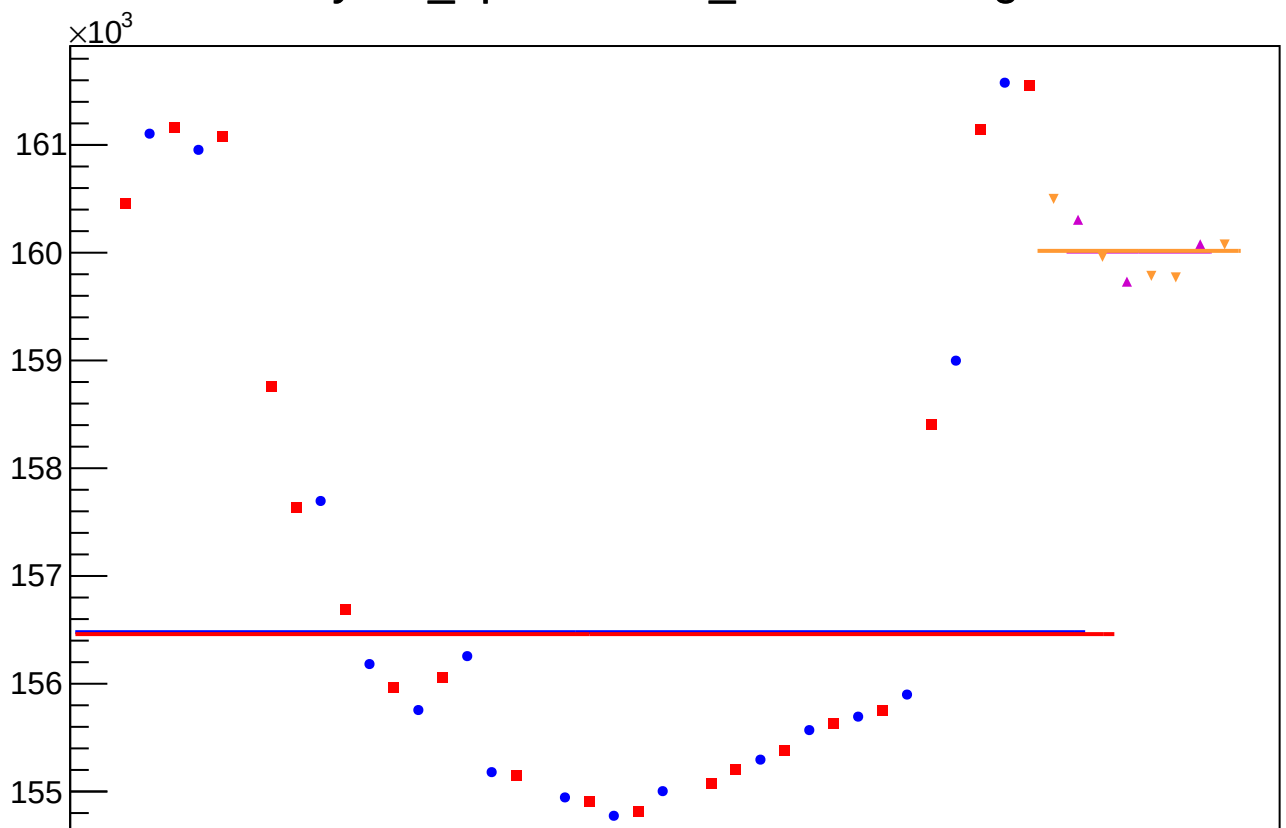
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 174.455+/-0.077 χ^2/NDF:20997.1/2

+ sign 146.399+/-0.033 χ^2/NDF: 1809407.4/20

All: 141.760+/-0.023 χ^2/NDF: 3768588.3/42

- sign 137.337+/-0.033 χ^2/NDF: 1921524.2/21



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

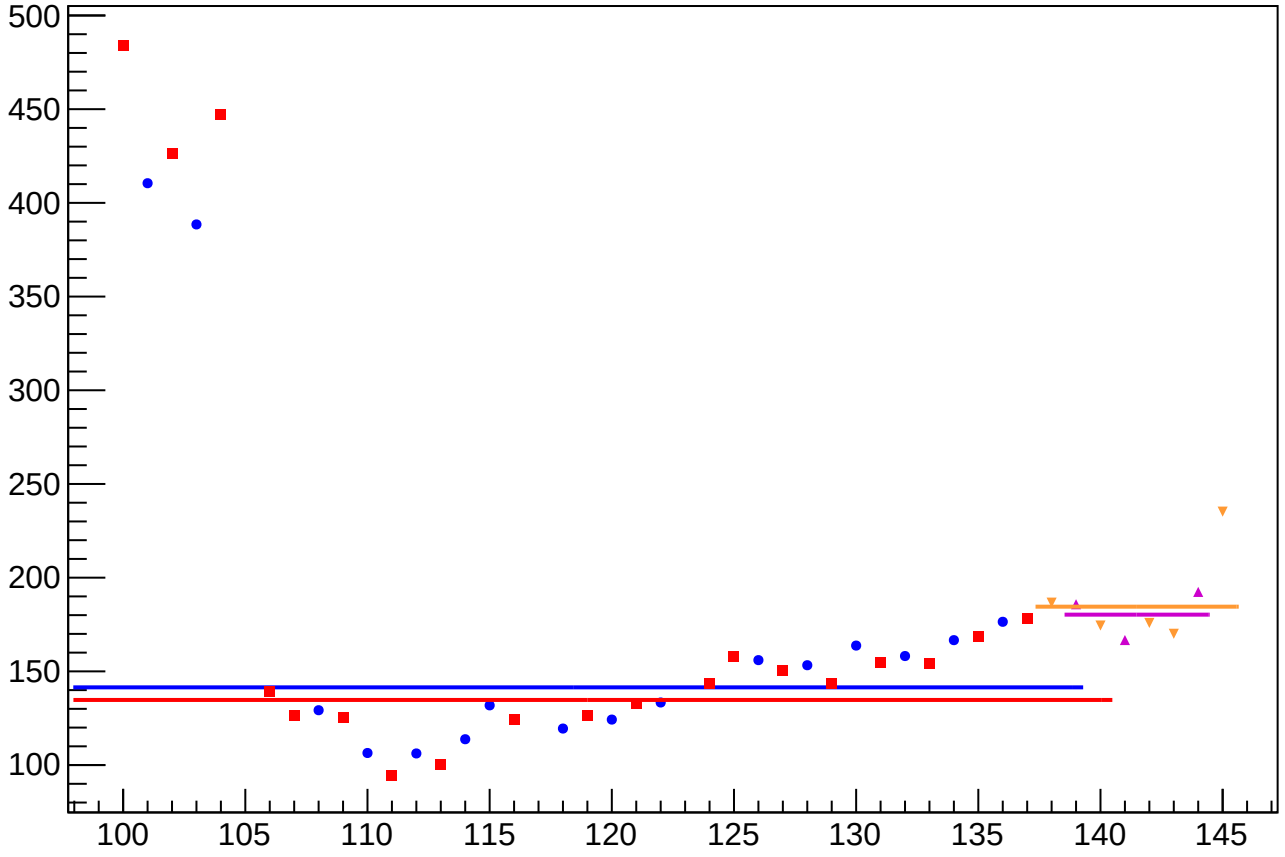
Left In: 160010.508+/-0.112 χ^2/NDF:4674140.3/2

+ sign 157371.374+/-0.049 χ^2/NDF: 2276195144.6

All: 157238.885+/-0.034 χ^2/NDF: 42154820

- sign 157112.384+/-0.048 χ^2/NDF: 1925068130.8/

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

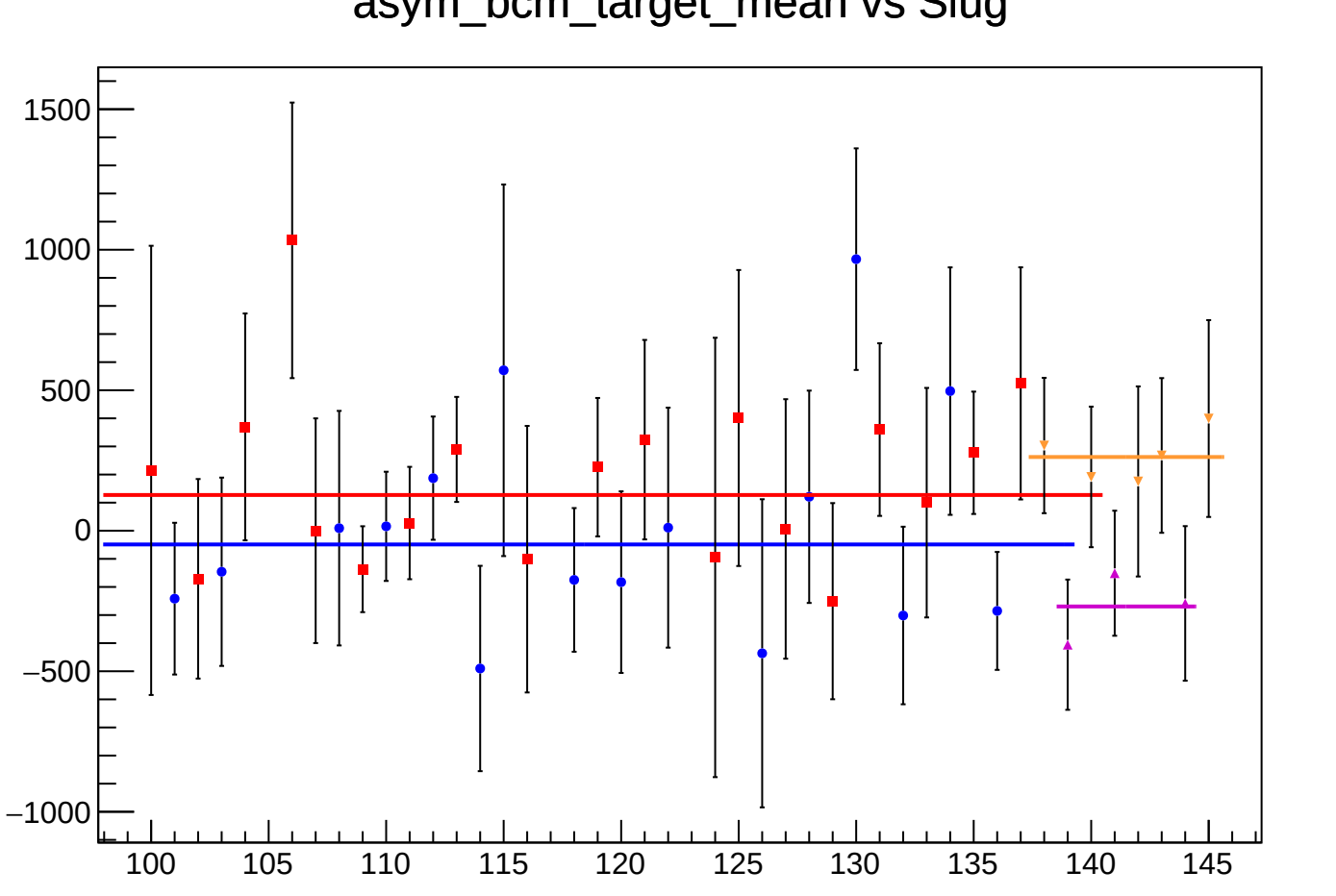
Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 180.264+/-0.079 χ^2/NDF:20107.7/2

+ sign 152.335+/-0.035 χ^2/NDF: 1775966.8/20

All: 147.613+/-0.024 χ^2/NDF: 3680826.2/42

- sign 143.104+/-0.034 χ^2/NDF: 1868727.7/21



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

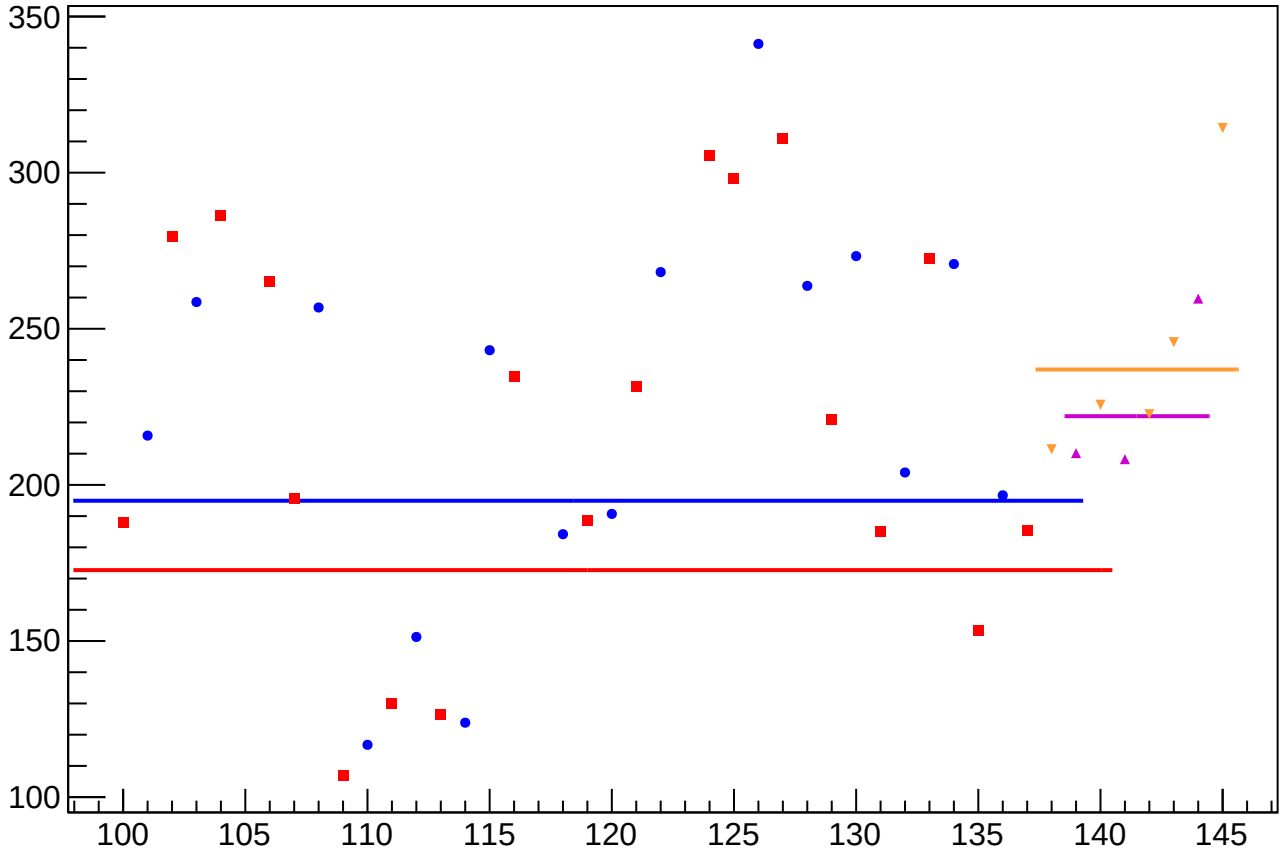
Left In: -269.424+/-138.606 χ^2/NDF:0.6/2

+ sign 35.525+/-65.402 χ^2/NDF: 20.2/20

All: 42.883+/-44.770 χ^2/NDF: 40.3/42

- sign 49.372+/-61.414 χ^2/NDF: 20.1/21

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

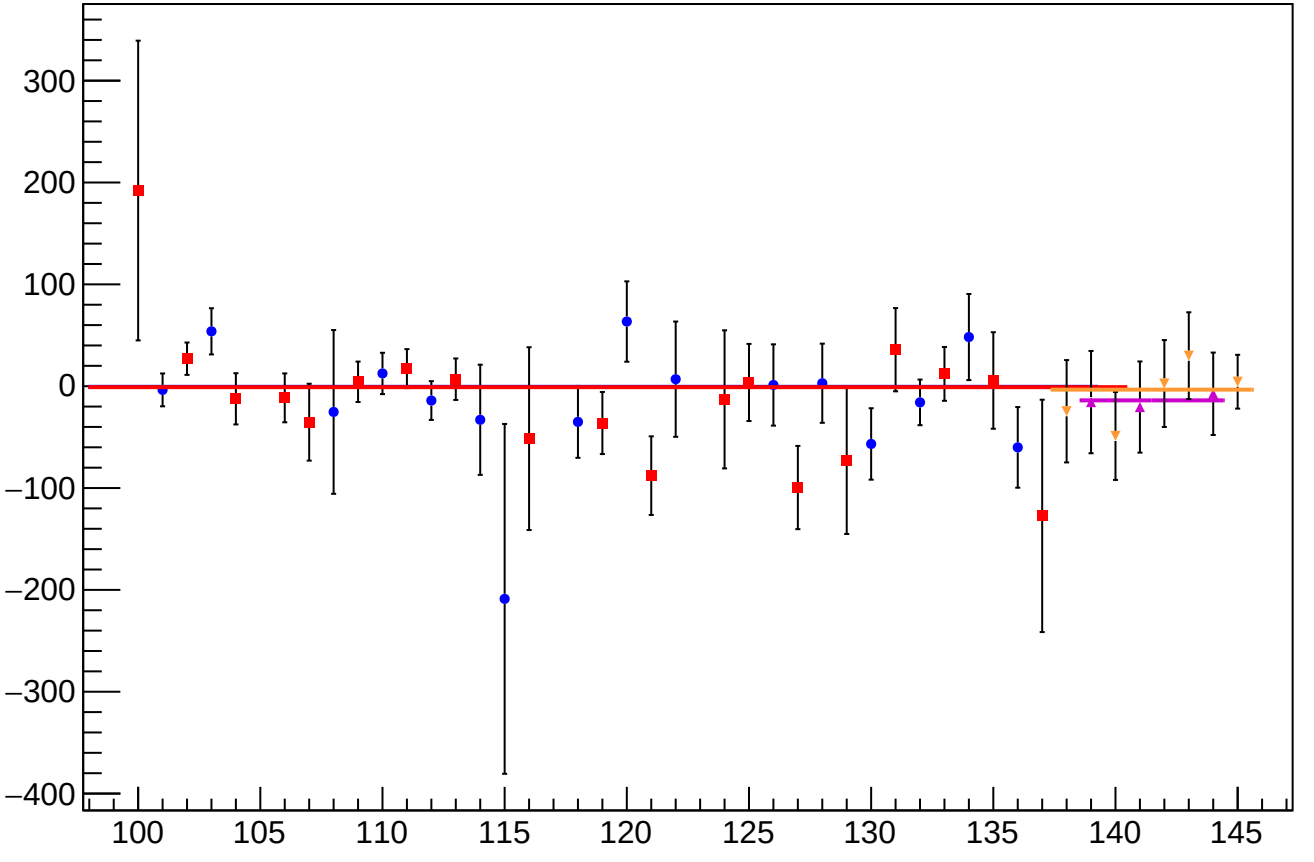
Left In: 222.003+/-0.098 χ^2/NDF:50379.1/2

+ sign 206.308+/-0.046 χ^2/NDF: 1321826.8/20

All: 193.594+/-0.032 χ^2/NDF: 3349133.2/42

- sign 182.383+/-0.043 χ^2/NDF: 1885070.7/21

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

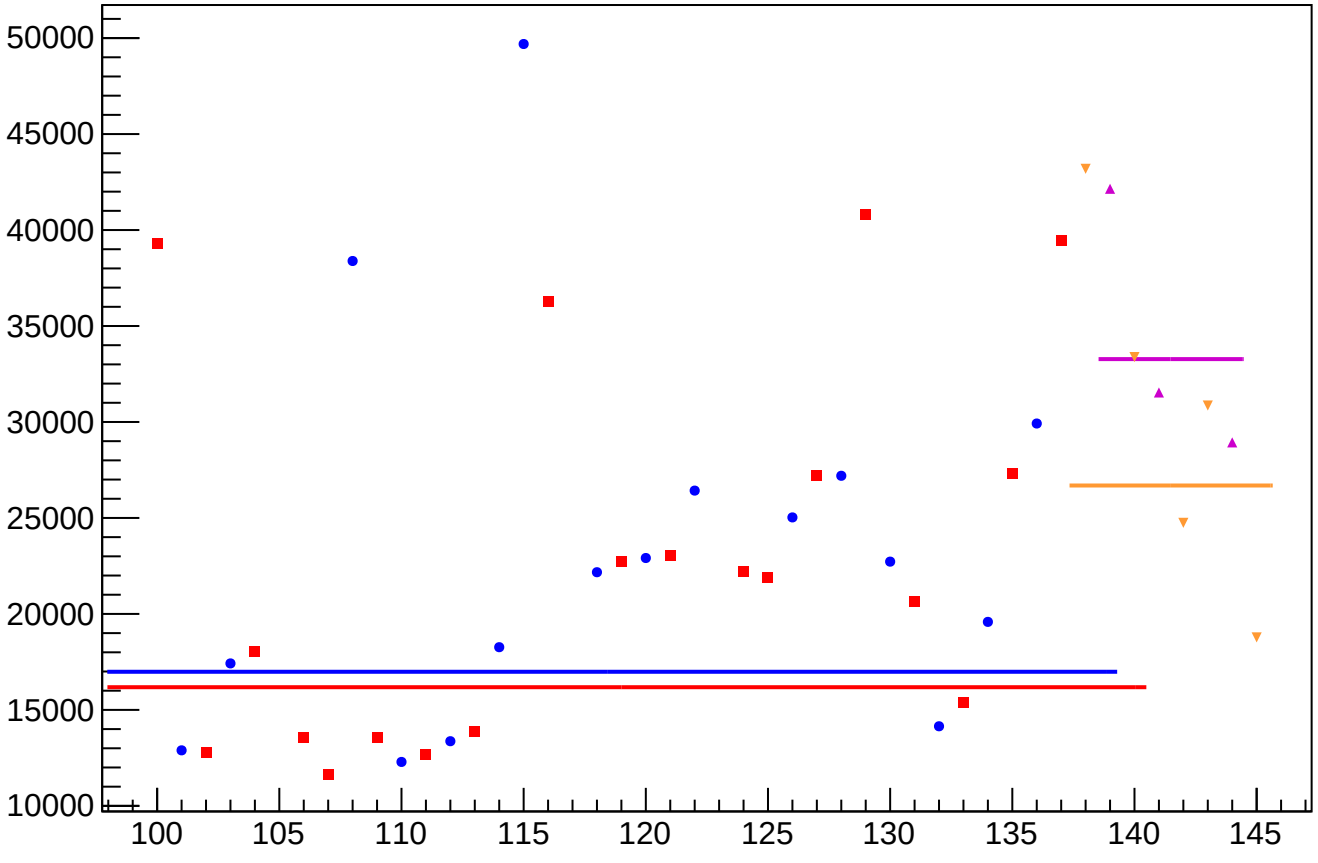
Left In: -13.916+/-25.766 χ^2/NDF:0.0/2

+ sign -1.058+/-6.738 χ^2/NDF: 20.9/20

All: -1.427+/-4.695 χ^2/NDF: 44.3/42

- sign -1.775+/-6.545 χ^2/NDF: 23.3/21

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

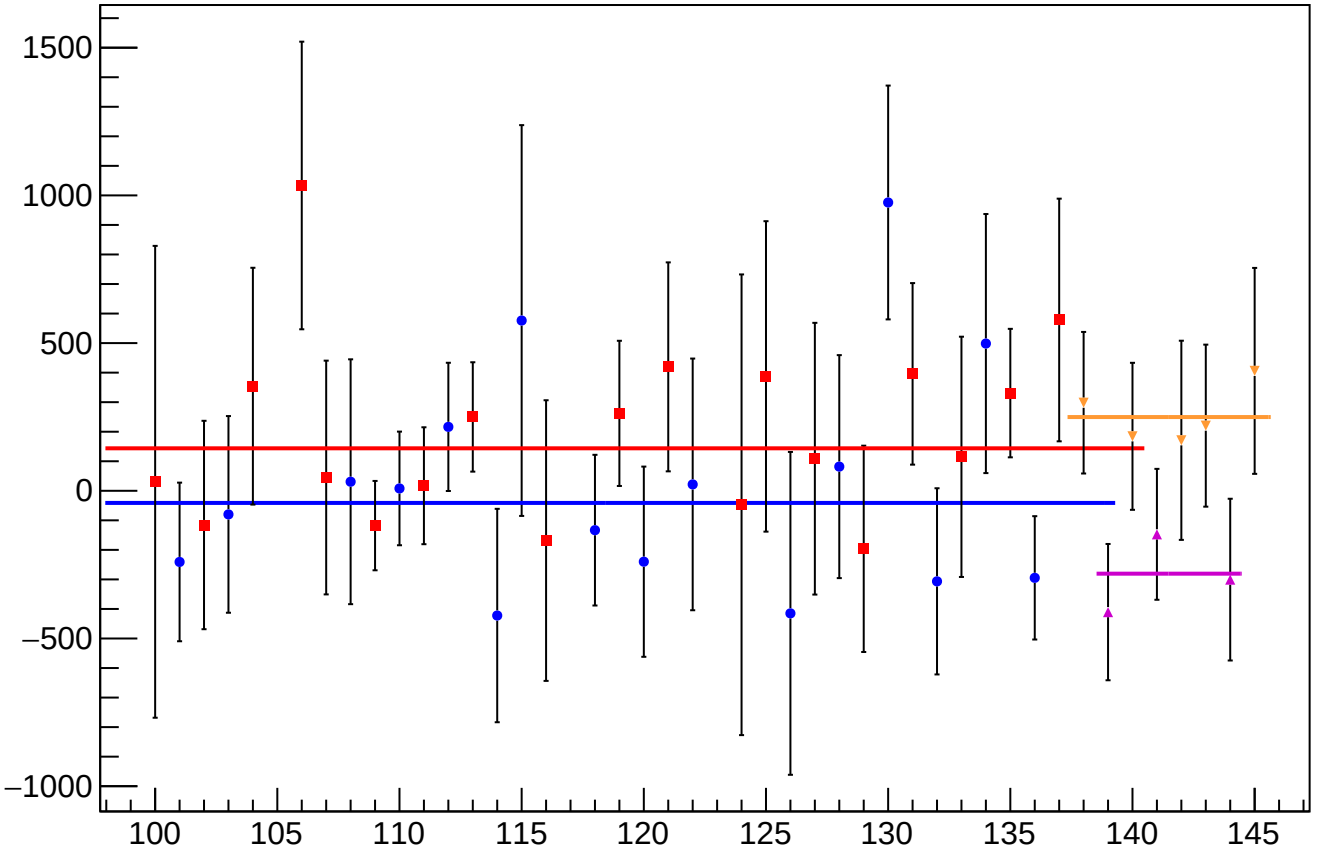
Left In: 33275.795+/-18.219 χ^2/NDF:88442.6/2

+ sign 18513.576+/-4.764 χ^2/NDF: 2210771.6/20

All: 17881.403+/-3.320 χ^2/NDF: 4408390.8/4

- sign 17284.913+/-4.628 χ^2/NDF: 2163402.5/21

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

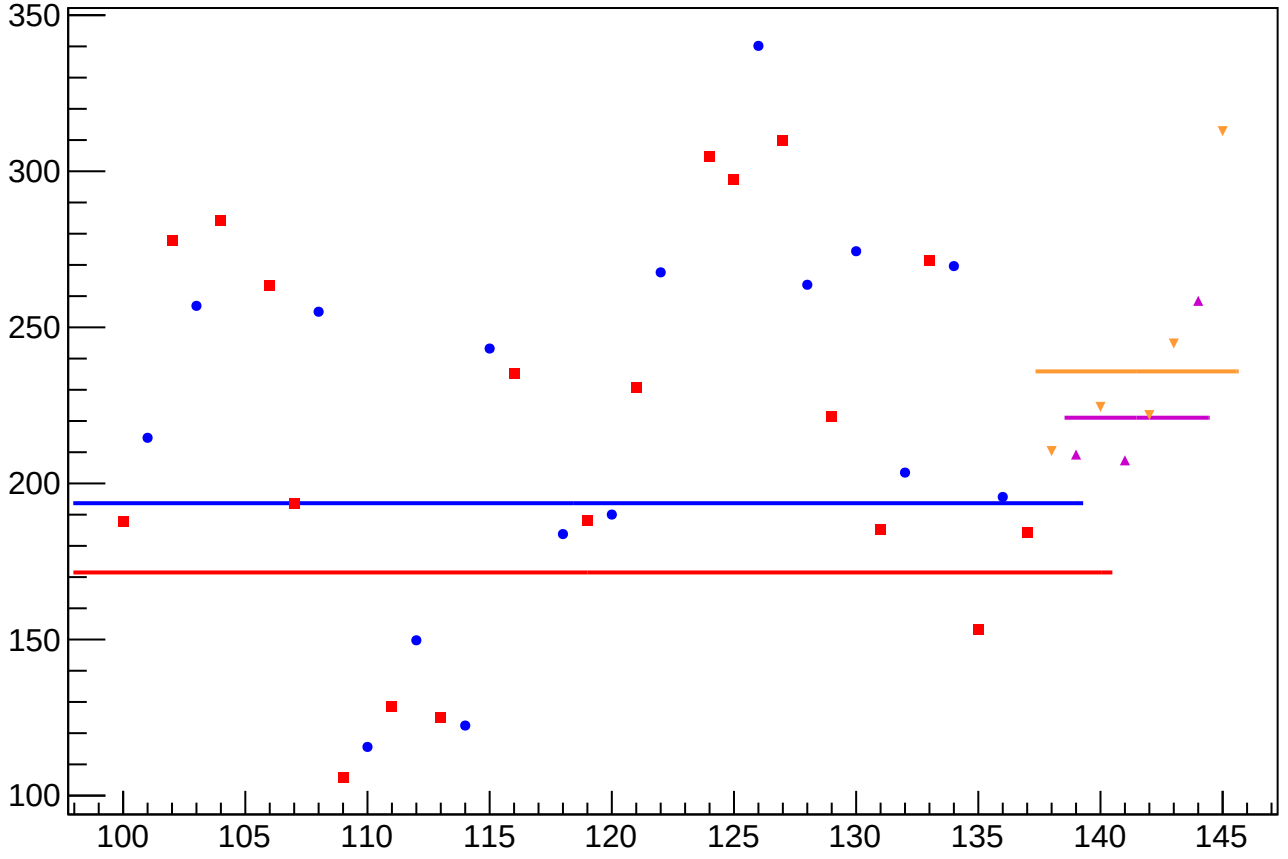
Left In: -280.562+/-138.014 χ^2/NDF:0.7/2

+ sign 37.540+/-65.052 χ^2/NDF: 19.8/20

All: 49.888+/-44.519 χ^2/NDF: 41.1/42

- sign 60.765+/-61.056 χ^2/NDF: 21.3/21

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

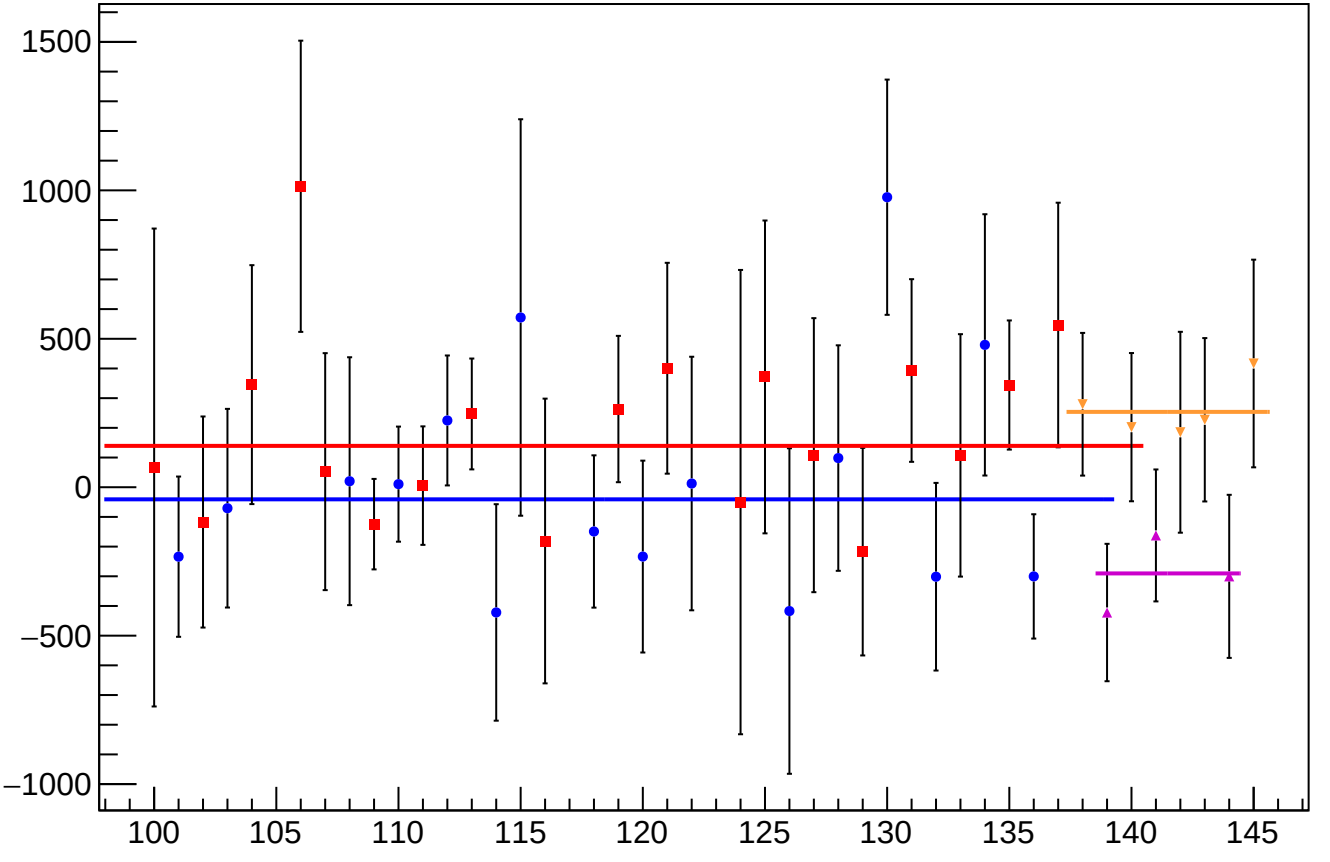
Left In: 221.055+/-0.098 χ^2/NDF:50232.1/2

+ sign 205.086+/-0.046 χ^2/NDF: 1345916.8/20

All: 192.379+/-0.031 χ^2/NDF: 3400199.7/42

- sign 181.185+/-0.043 χ^2/NDF: 1910739.8/21

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

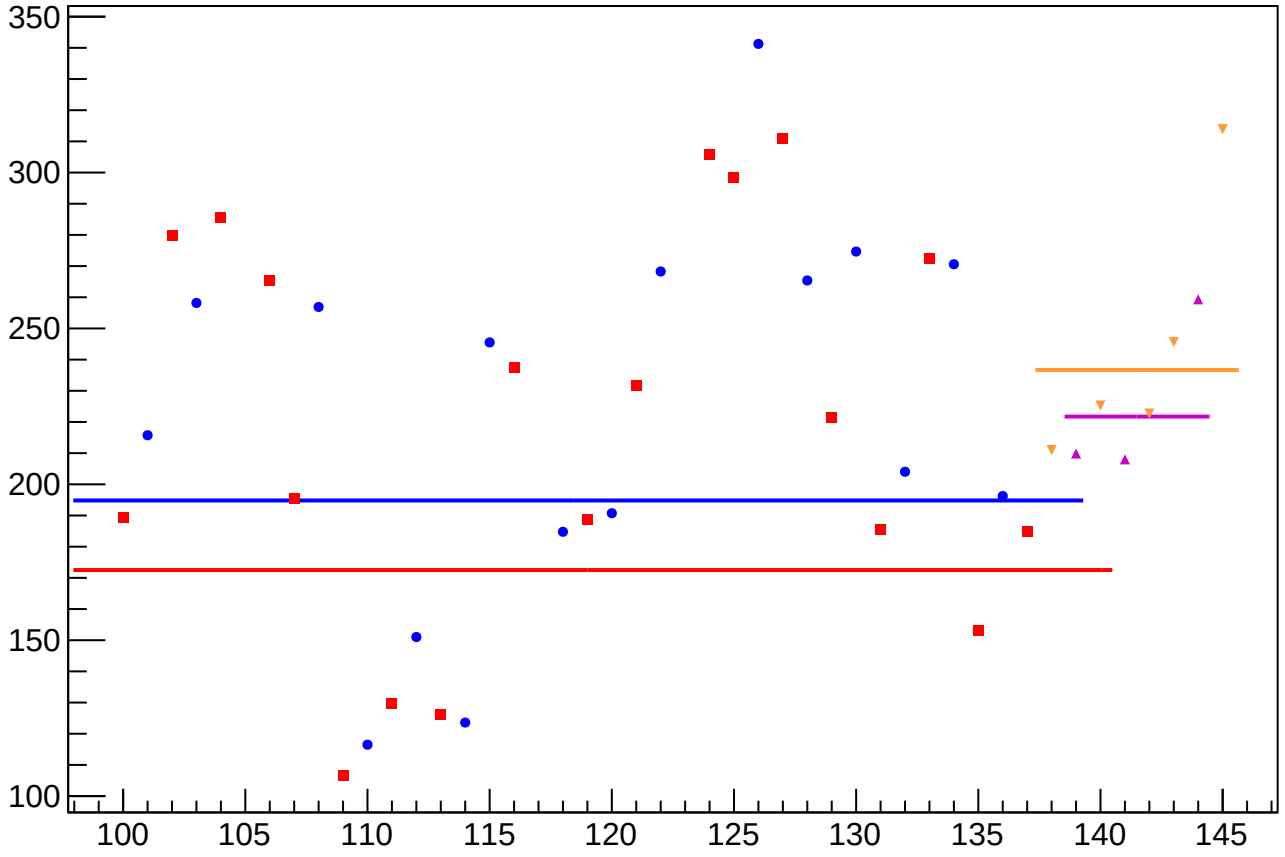
Left In: -290.343+/-138.436 χ^2/NDF:0.7/2

+ sign 39.120+/-65.372 χ^2/NDF: 19.7/20

All: 47.492+/-44.742 χ^2/NDF: 41.0/42

- sign 54.871+/-61.366 χ^2/NDF: 21.3/21

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

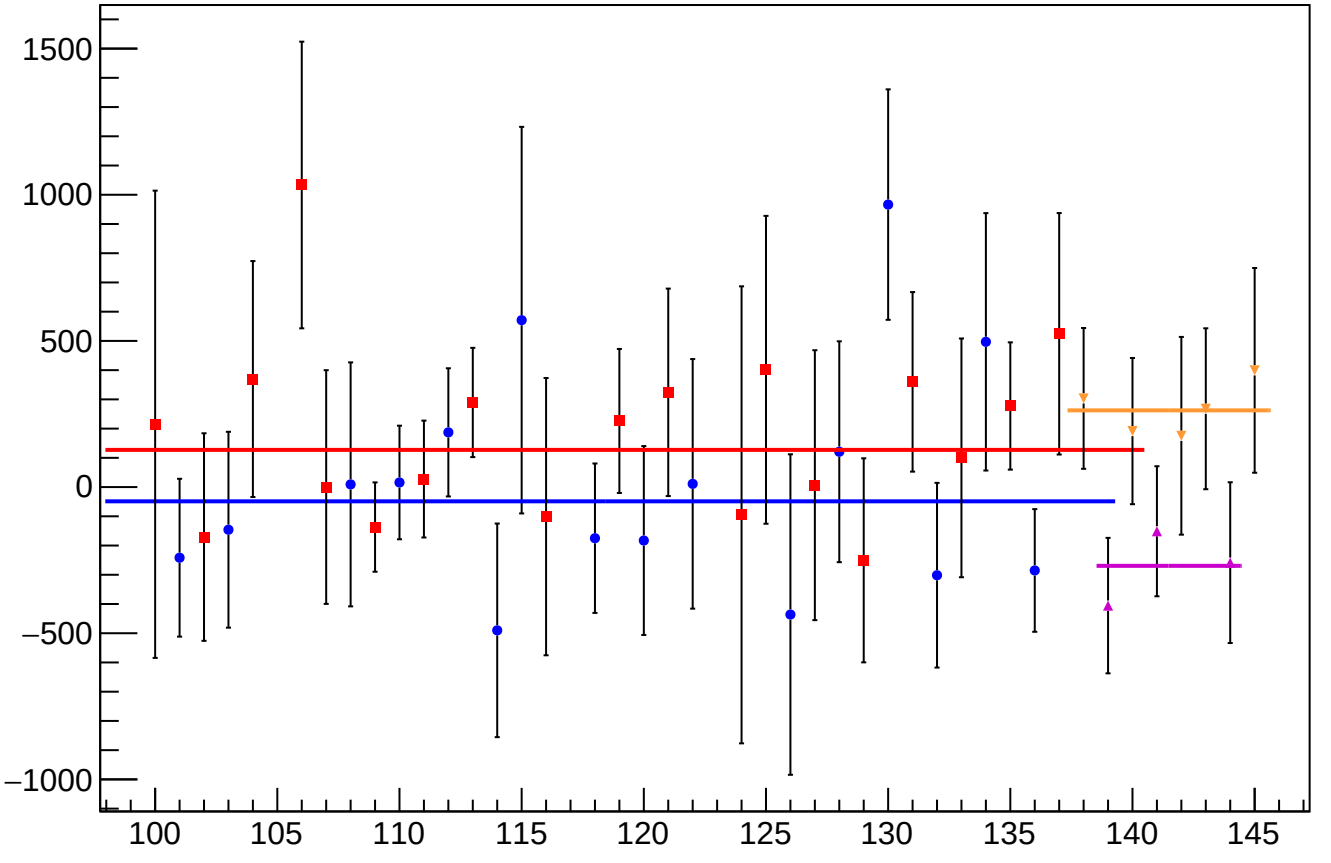
Left In: 221.726+/-0.098 χ^2/NDF:50364.1/2

+ sign 206.169+/-0.046 χ^2/NDF: 1331130.2/20

All: 193.416+/-0.032 χ^2/NDF: 3369877.0/42

- sign 182.178+/-0.043 χ^2/NDF: 1895560.6/21

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

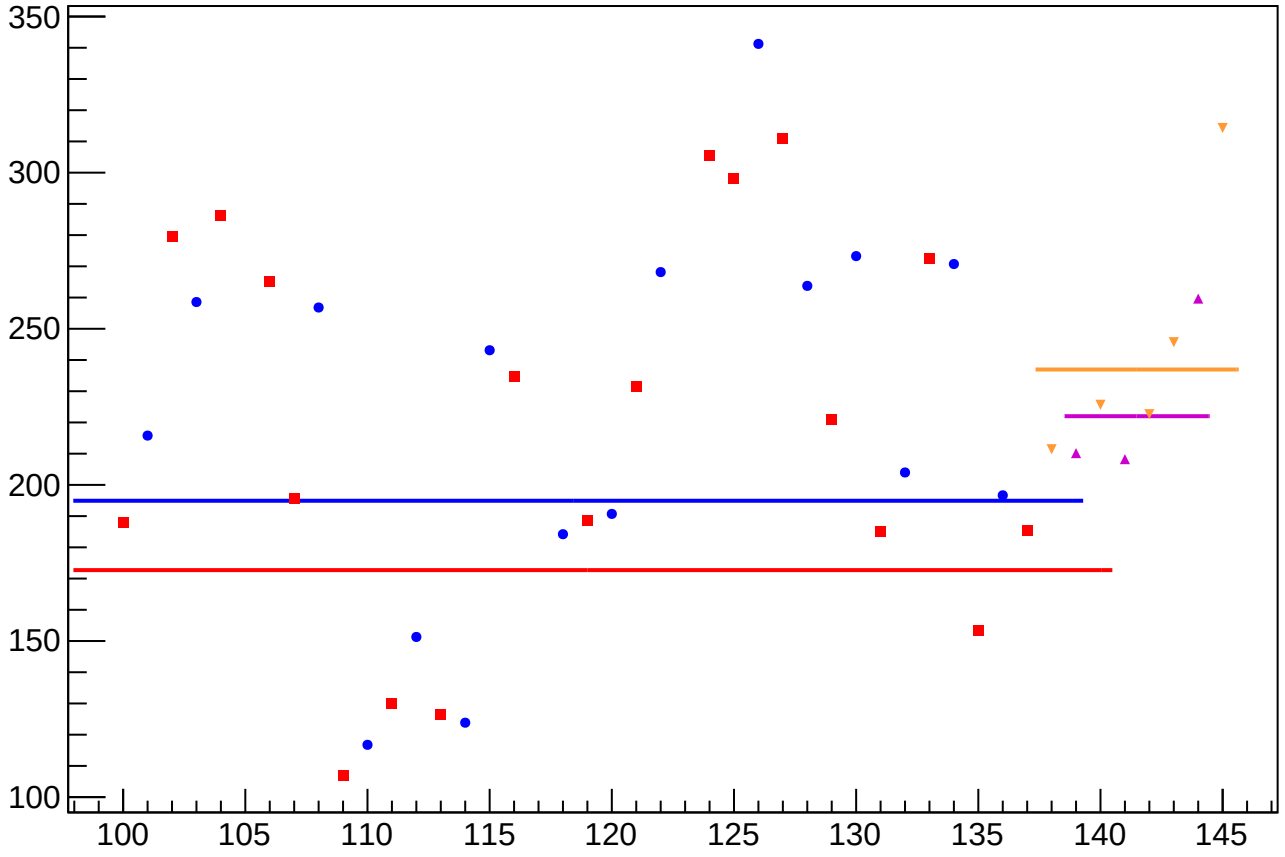
Left In: -269.424+/-138.606 χ^2/NDF:0.6/2

\+ sign 35.525+/-65.402 χ^2/NDF: 20.2/20

All: 42.883+/-44.770 χ^2/NDF: 40.3/42

\- sign 49.372+/-61.414 χ^2/NDF: 20.1/21

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

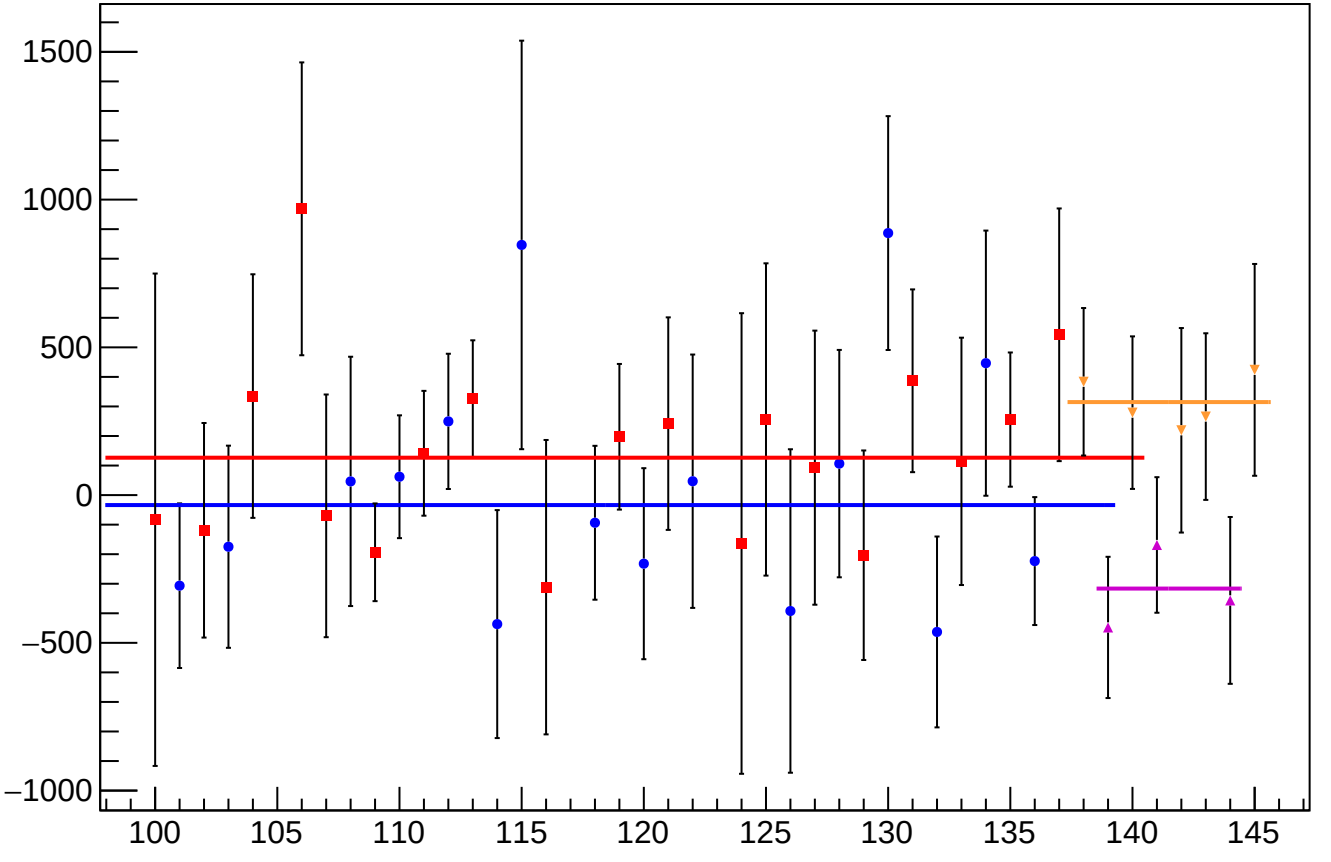
Left In: 222.003+/-0.098 χ^2/NDF:50379.1/2

+ sign 206.308+/-0.046 χ^2/NDF: 1321826.8/20

All: 193.594+/-0.032 χ^2/NDF: 3349133.2/42

- sign 182.383+/-0.043 χ^2/NDF: 1885070.7/21

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

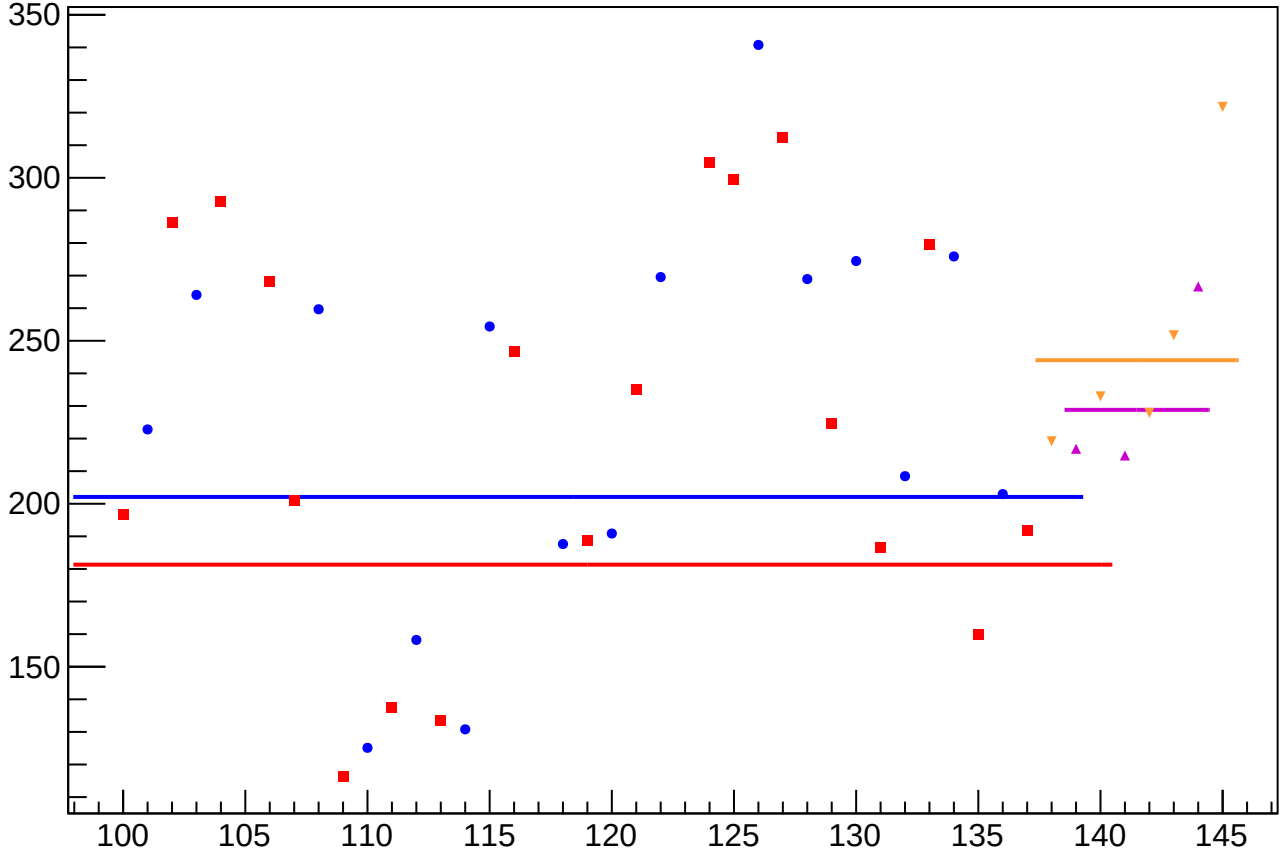
Left In: -316.334+/-142.779 χ^2/NDF:0.7/2

+ sign 60.962+/-67.416 χ^2/NDF: 21.3/20

All: 48.924+/-46.337 χ^2/NDF: 42.5/42

- sign 38.143+/-63.795 χ^2/NDF: 21.1/21

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

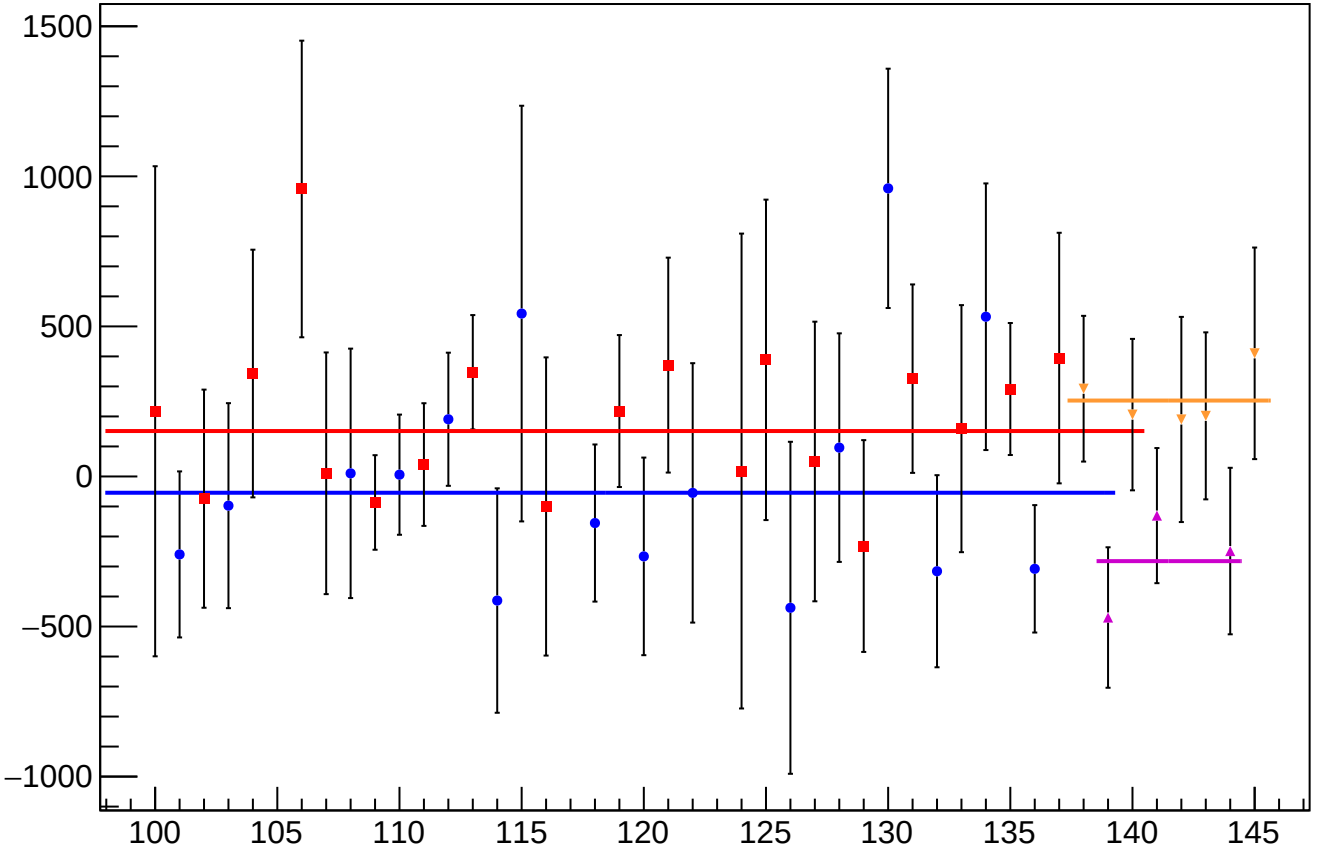
Left In: 228.809+/-0.101 χ^2/NDF:48393.6/2

+ sign 213.490+/-0.048 χ^2/NDF: 1186998.4/20

All: 201.516+/-0.033 χ^2/NDF: 2973099.5/42

- sign 190.794+/-0.045 χ^2/NDF: 1666521.8/21

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

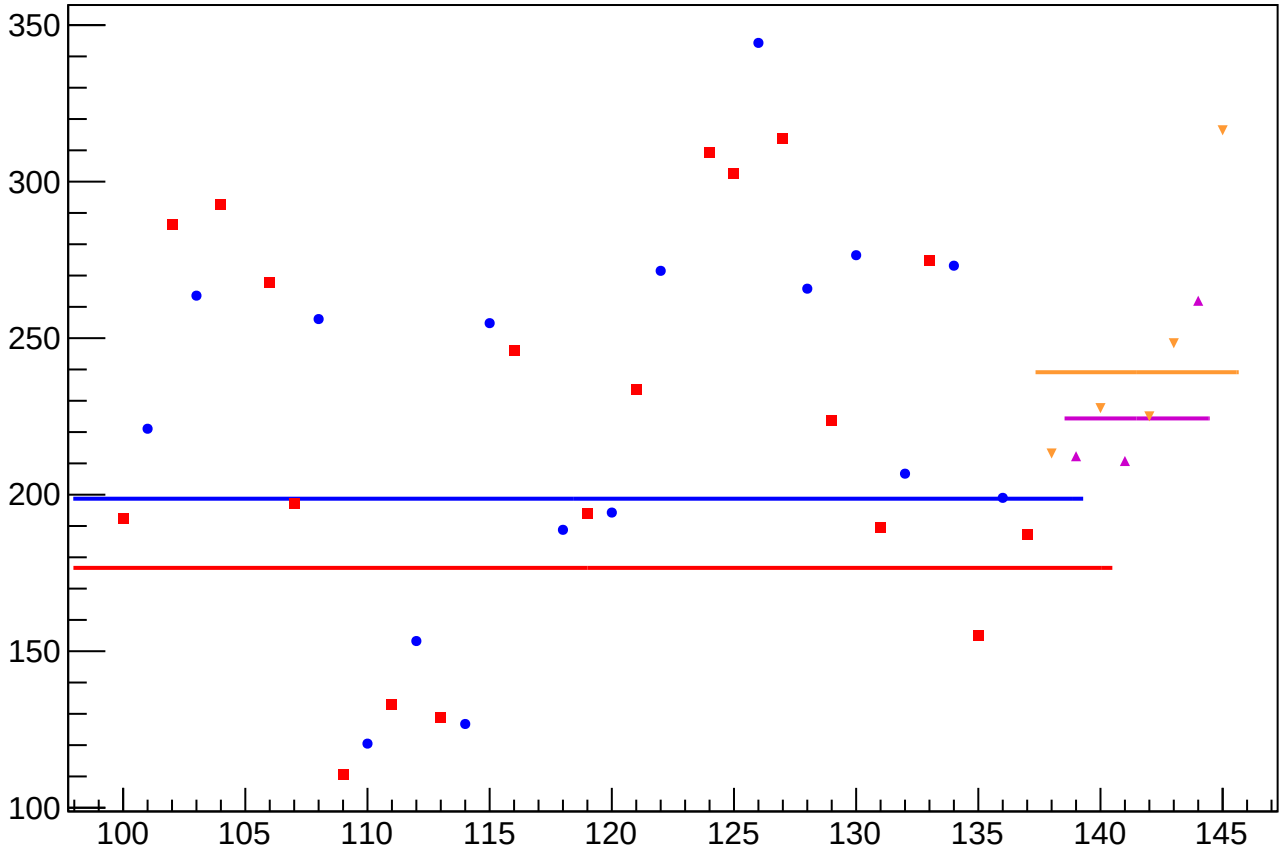
Left In: -282.133+/-140.047 χ^2/NDF:1.1/2

+ sign 29.997+/-66.403 χ^2/NDF: 19.7/20

All: 48.493+/-45.528 χ^2/NDF: 38.8/42

- sign 64.902+/-62.544 χ^2/NDF: 19.0/21

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

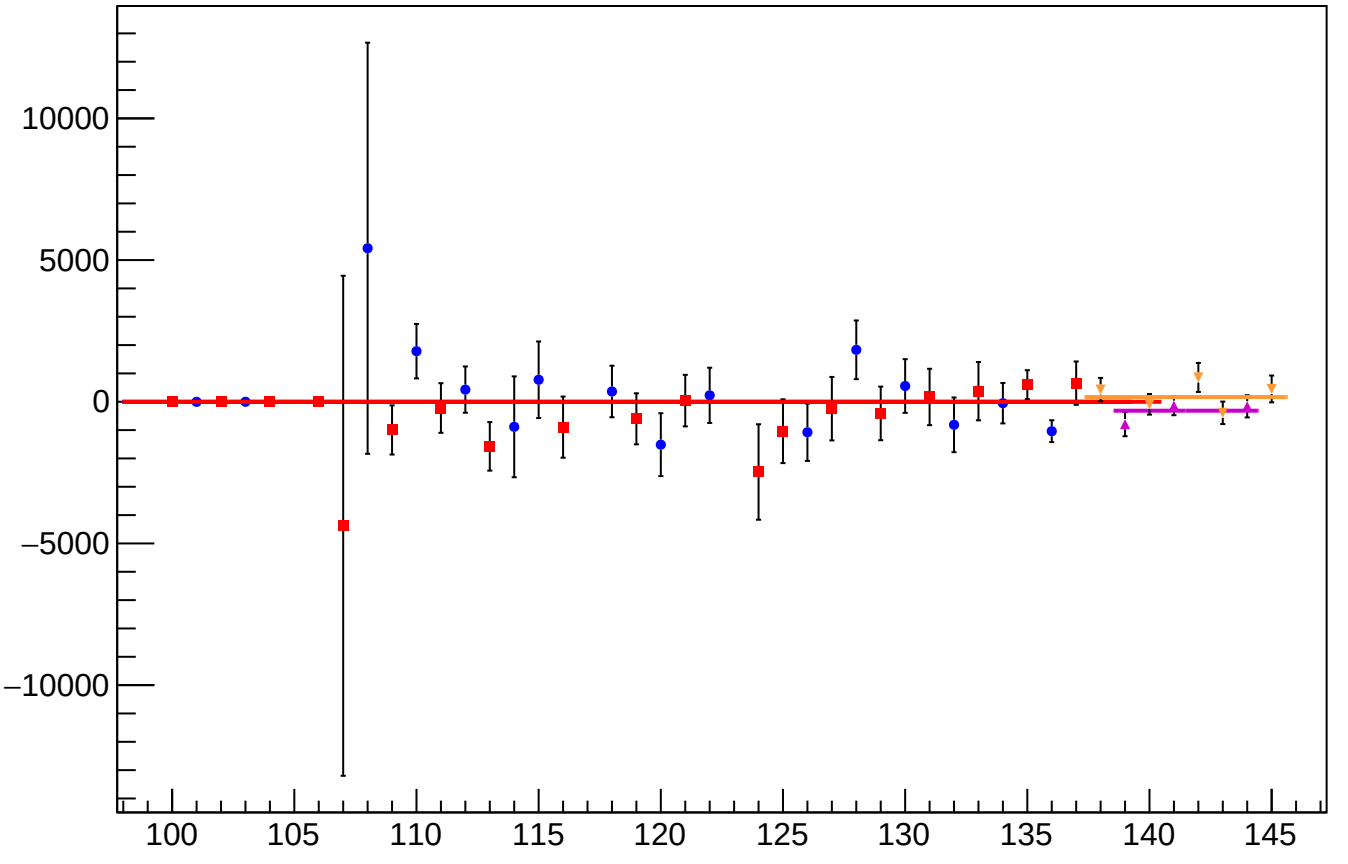
Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 224.360+/-0.099 χ^2/NDF:49340.6/2

+ sign 209.799+/-0.047 χ^2/NDF: 1270182.9/20

All: 197.263+/-0.032 χ^2/NDF: 3235781.8/42

- sign 186.142+/-0.044 χ^2/NDF: 1831089.1/21



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

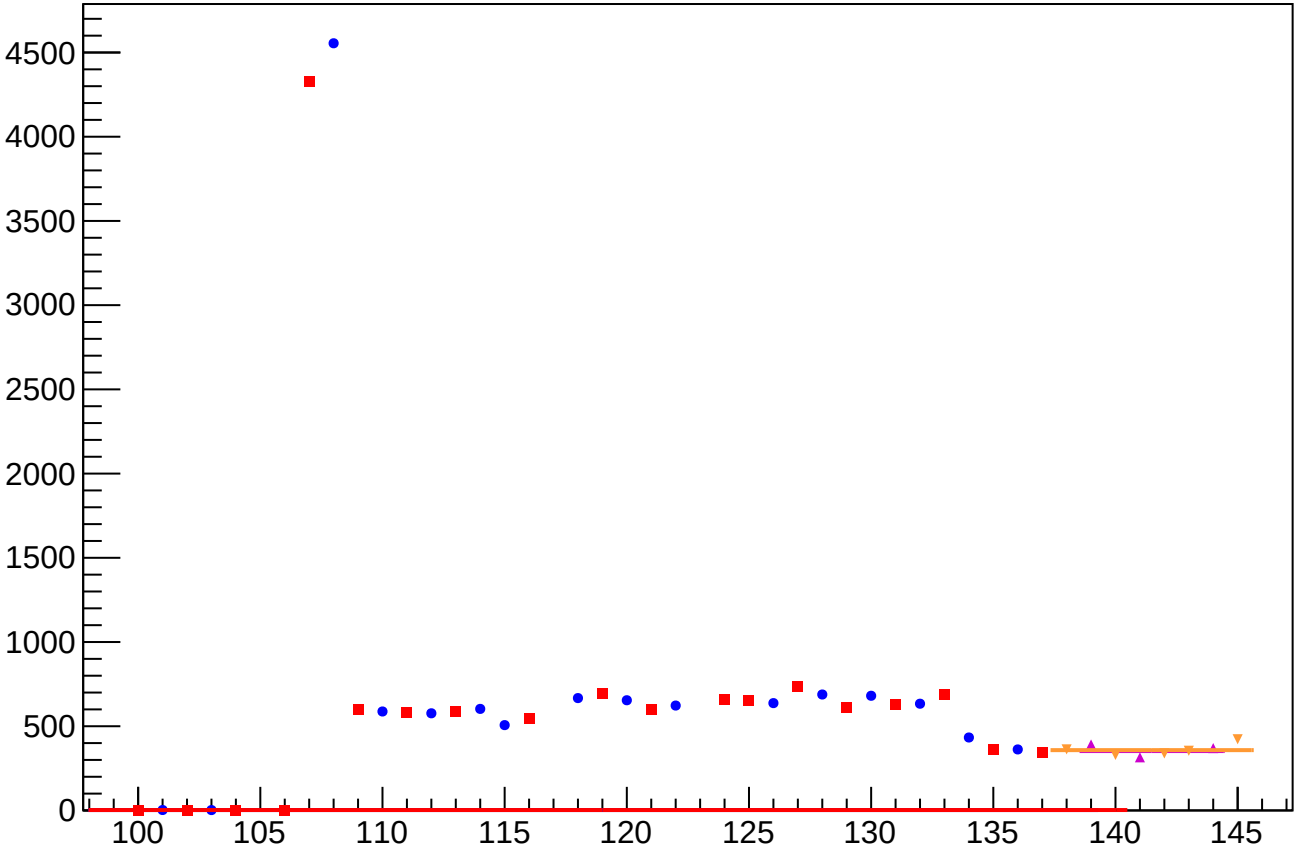
Left In: -315.548+/-219.149 χ^2/NDF:1.7/2

+ sign -1.217+/-2.171 χ^2/NDF: 25.8/20

All: -1.317+/-1.480 χ^2/NDF: 46.3/42

- sign -1.404+/-2.022 χ^2/NDF: 20.6/21

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

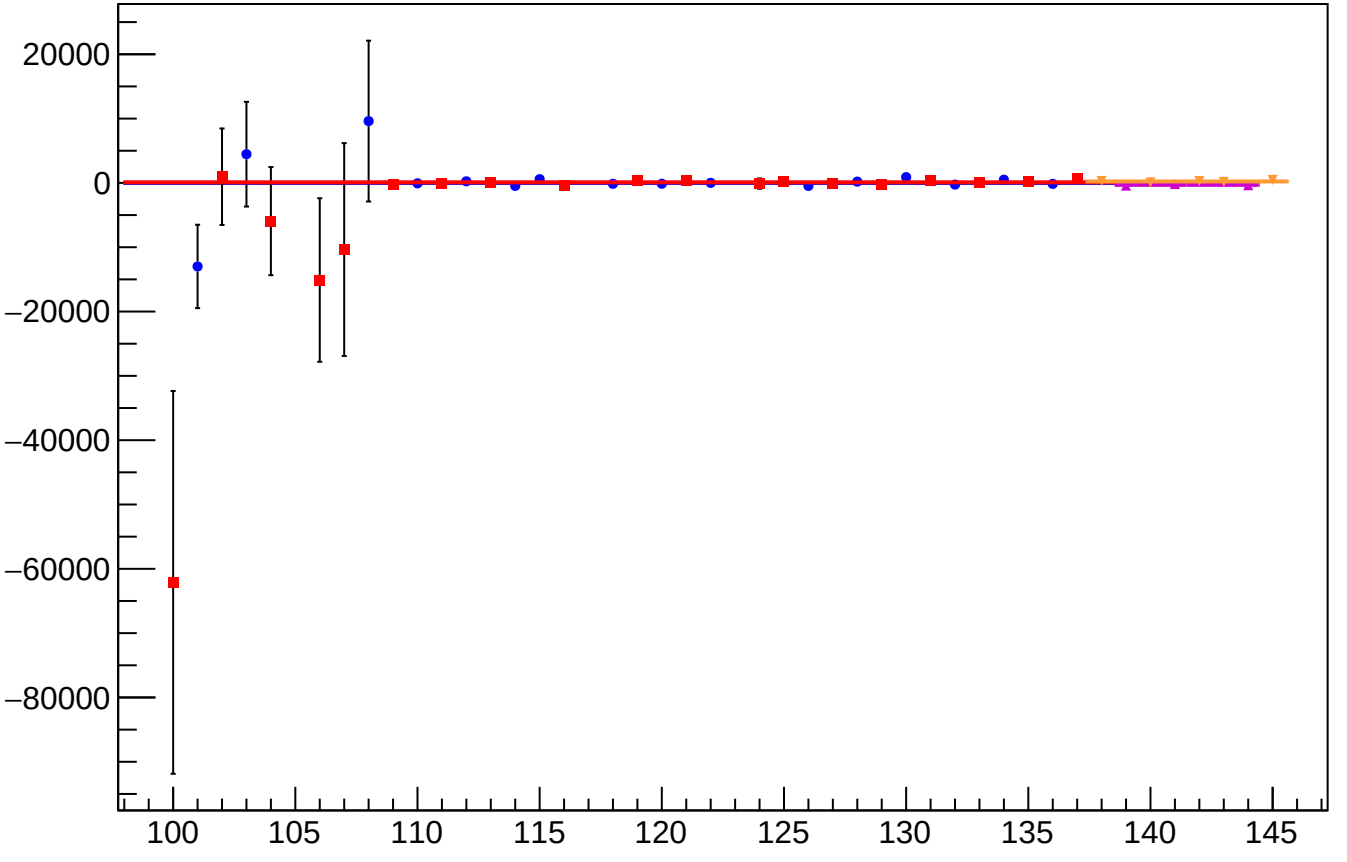
Left In: 352.664+/-0.155 χ^2/NDF:45138.9/2

+ sign 2.524+/-0.002 χ^2/NDF: 18786968.8/20

All: 2.507+/-0.001 χ^2/NDF: 35484605.6/42

- sign 2.492+/-0.001 χ^2/NDF: 16697407.1/21

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

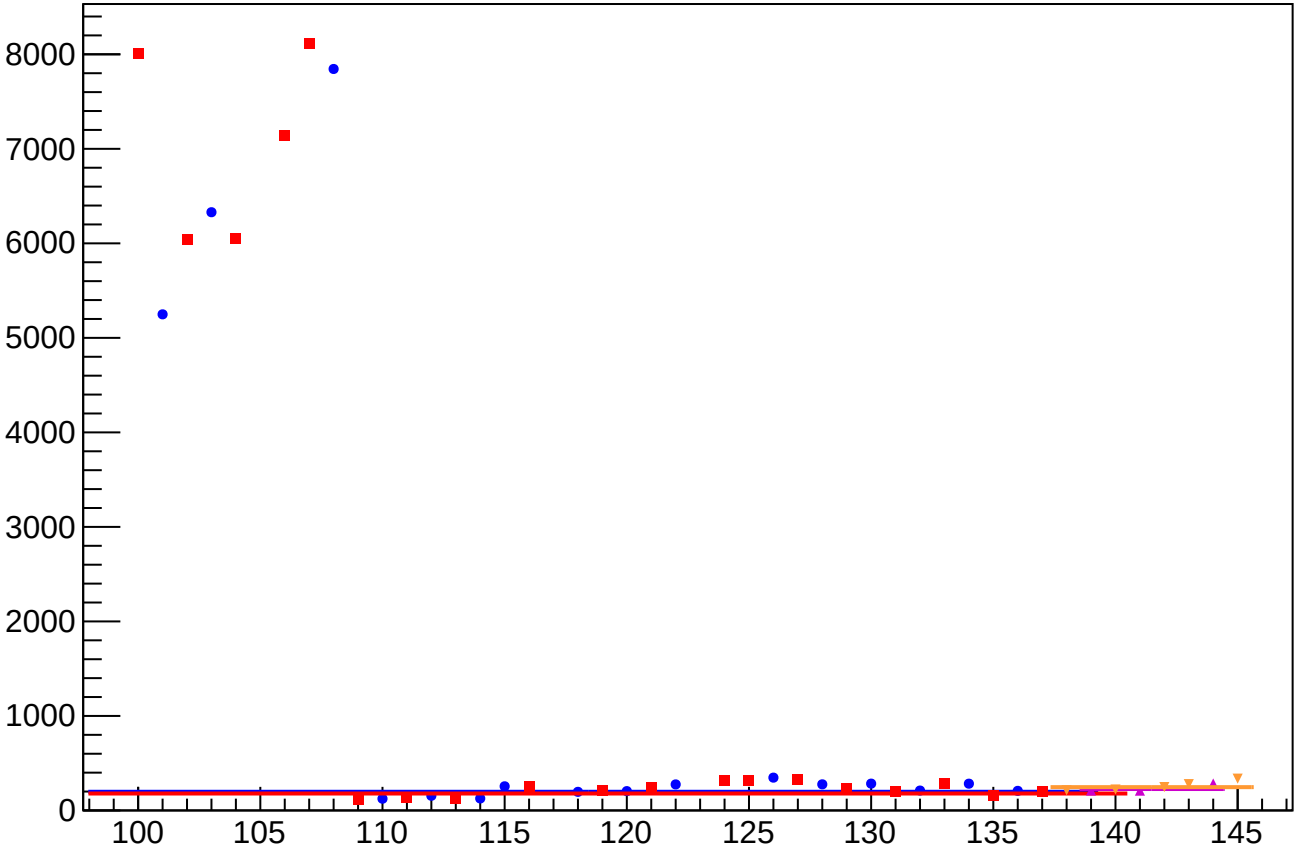
Left In: -302.444+/-142.504 χ^2/NDF:0.6/2

+ sign 70.407+/-73.029 χ^2/NDF: 19.9/20

All: 29.816+/-50.839 χ^2/NDF: 41.6/42

- sign -8.352+/-70.816 χ^2/NDF: 21.2/21

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

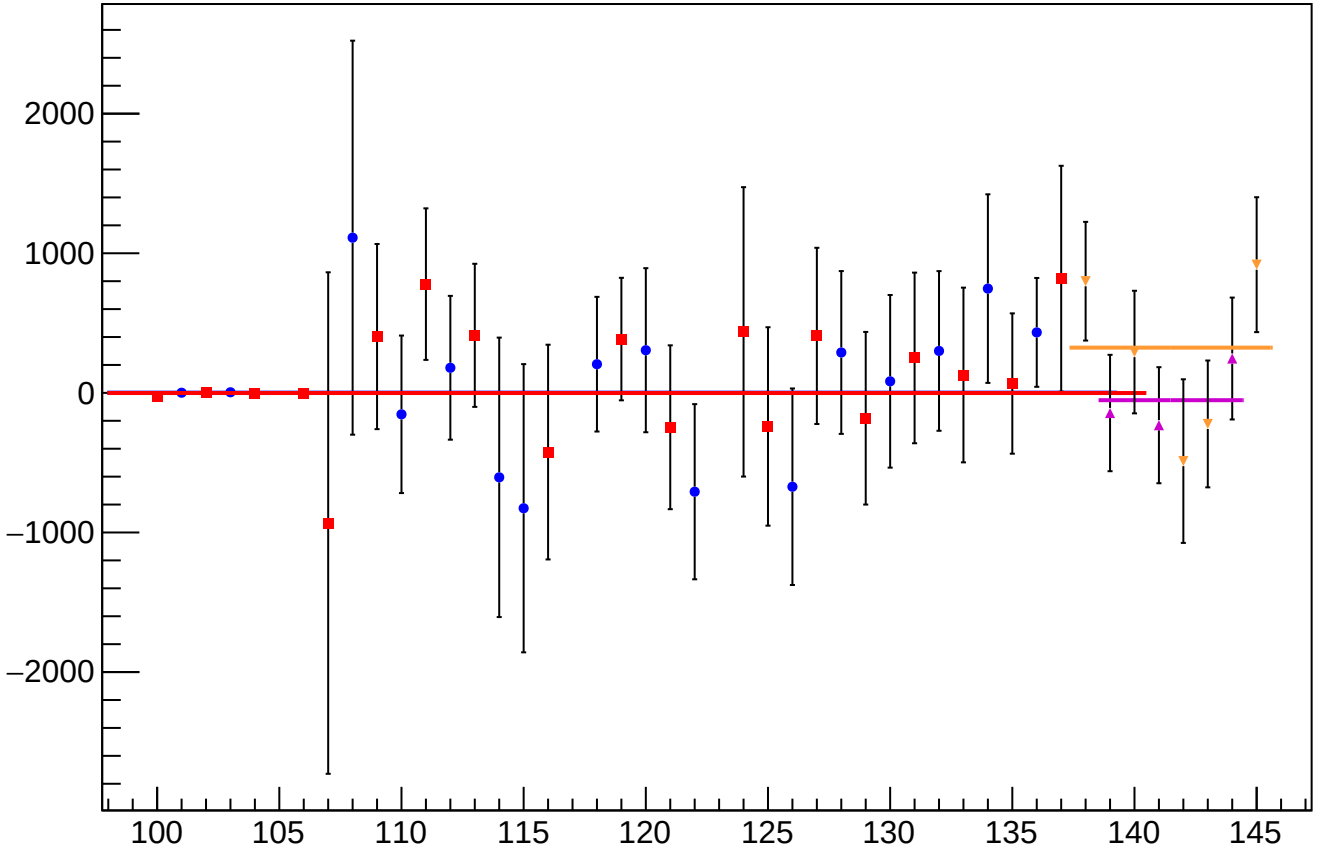
Left In: 226.826+/-0.101 χ^2/NDF:96647.2/2

+ sign 212.736+/-0.052 χ^2/NDF: 4343585.9/20

All: 201.533+/-0.036 χ^2/NDF: 9117849.5/42

- sign 190.999+/-0.050 χ^2/NDF: 4682940.7/21

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

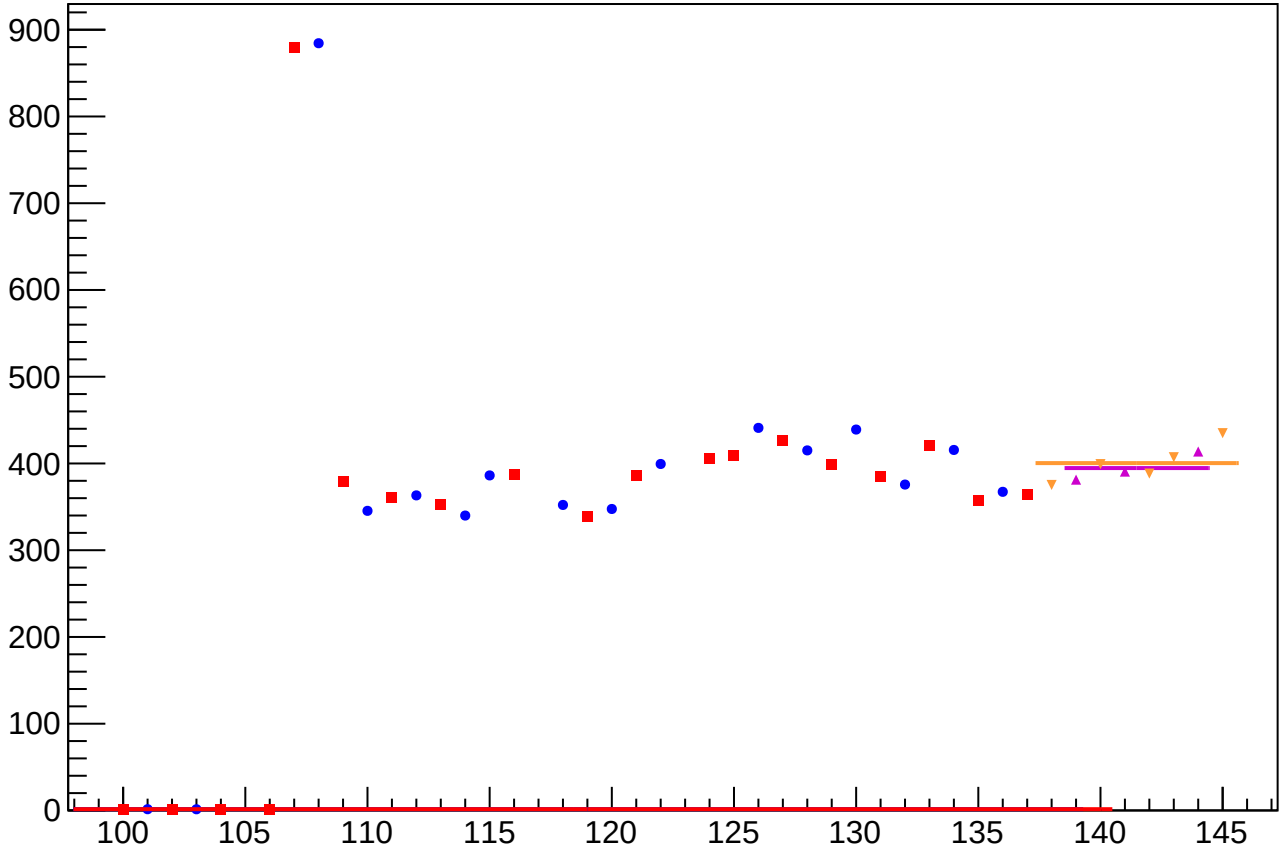
Left In: -52.441+/-244.040 χ^2/NDF:0.7/2

+ sign 1.476+/-1.660 χ^2/NDF: 16.4/20

All: 0.083+/-1.124 χ^2/NDF: 27.6/42

- sign -1.096+/-1.528 χ^2/NDF: 9.9/21

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

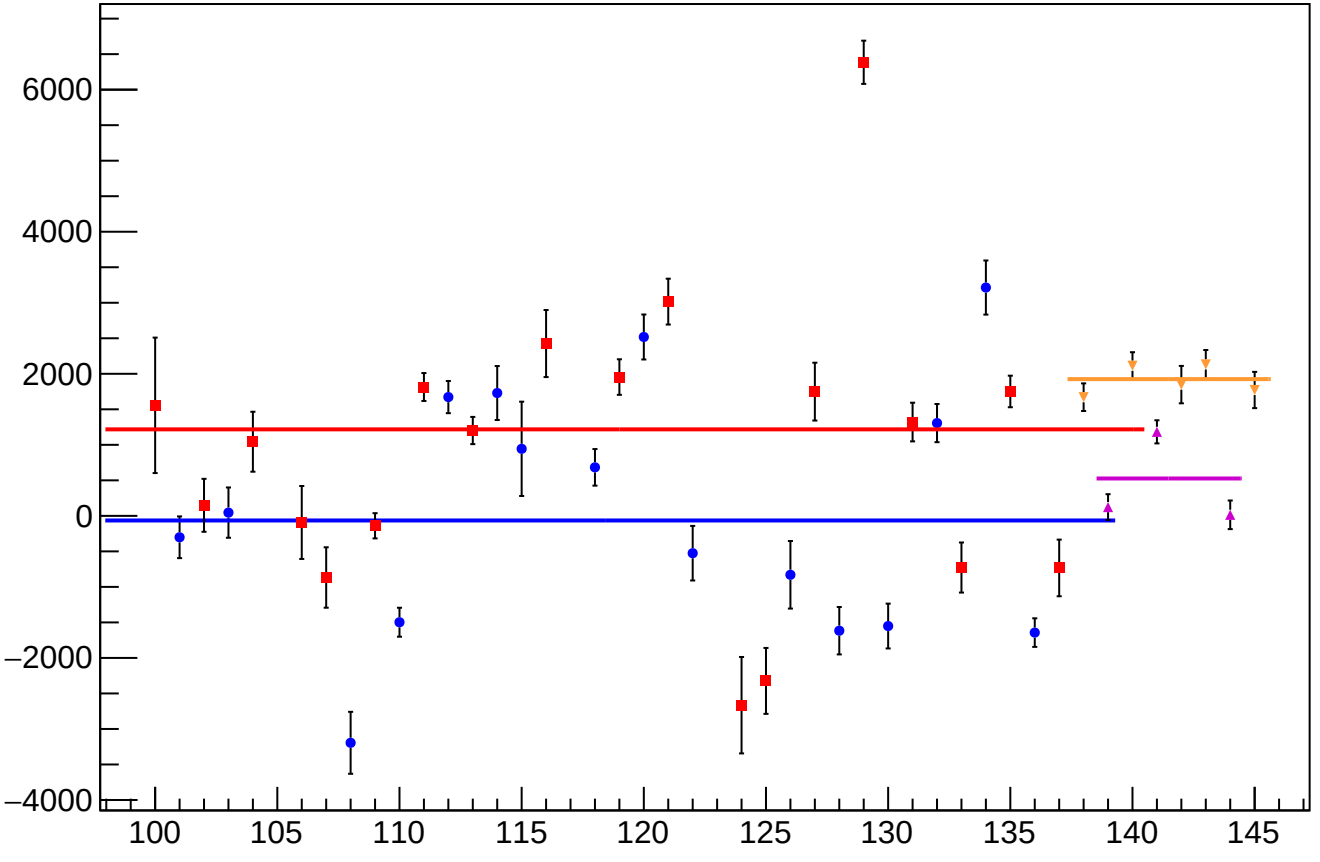
Left In: 394.688+/-0.173 χ^2/NDF:6056.9/2

+ sign 1.495+/-0.001 χ^2/NDF: 18998844.1/20

All: 1.488+/-0.001 χ^2/NDF: 35467744.5/42

- sign 1.483+/-0.001 χ^2/NDF: 16468837.6/21

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

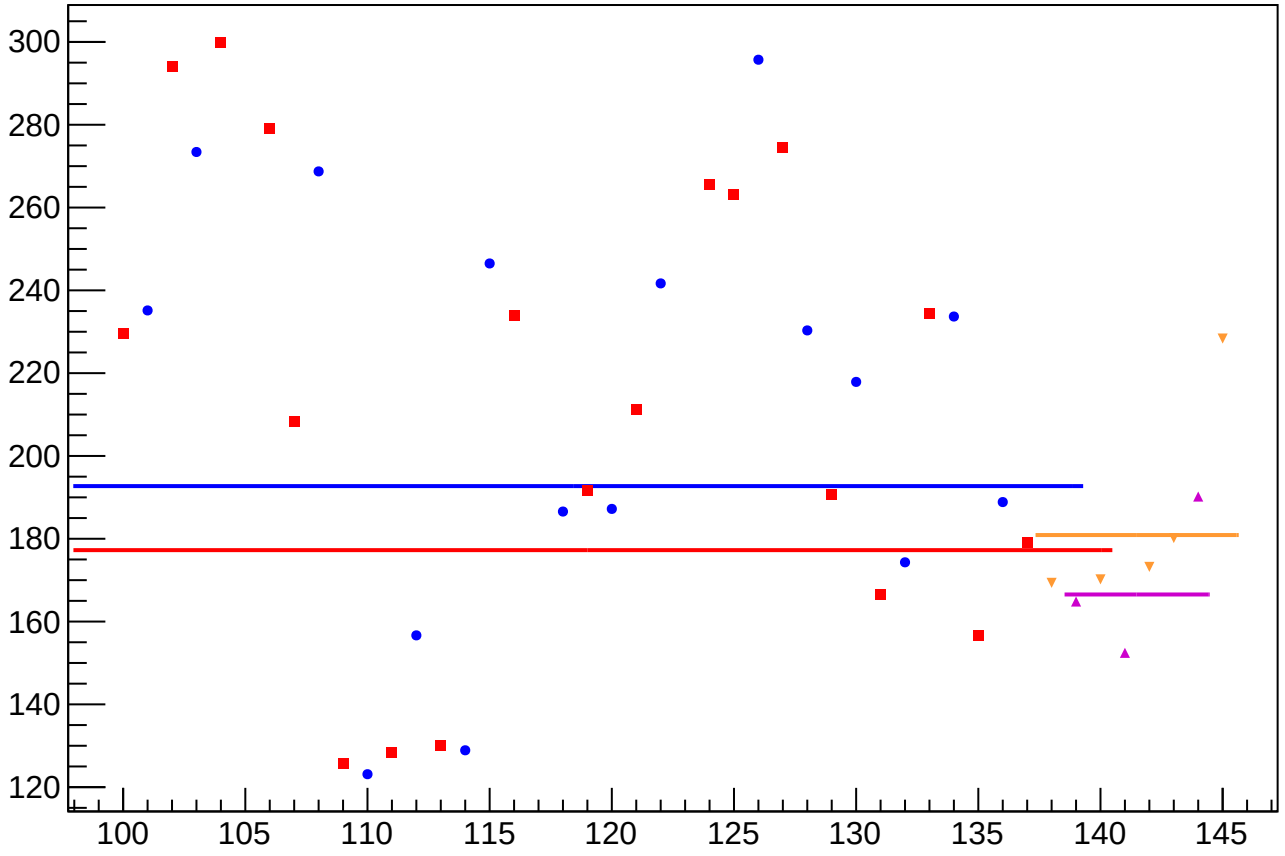
Left In: 526.191+/-103.944 χ^2/NDF:27.6/2

+ sign 685.762+/-59.104 χ^2/NDF: 740.0/20

All: 850.386+/-41.214 χ^2/NDF: 1408.1/42

- sign 1006.194+/-57.500 χ^2/NDF: 652.9/21

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

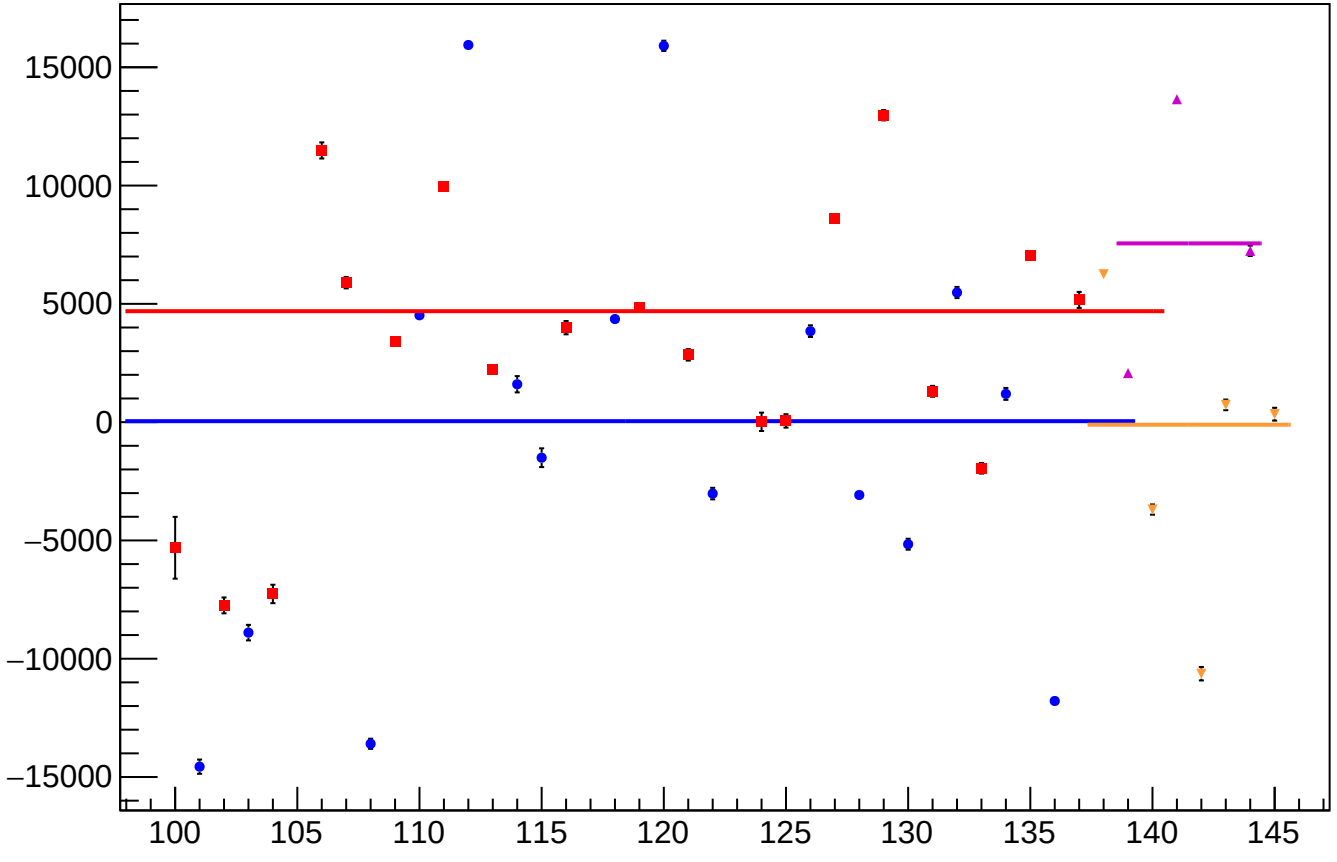
Left In: 166.541+/-0.073 χ^2/NDF:42729.4/2

+ sign 188.259+/-0.042 χ^2/NDF: 862189.2/20

All: 180.920+/-0.029 χ^2/NDF: 2205863.7/42

- sign 173.974+/-0.041 χ^2/NDF: 1283646.9/21

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

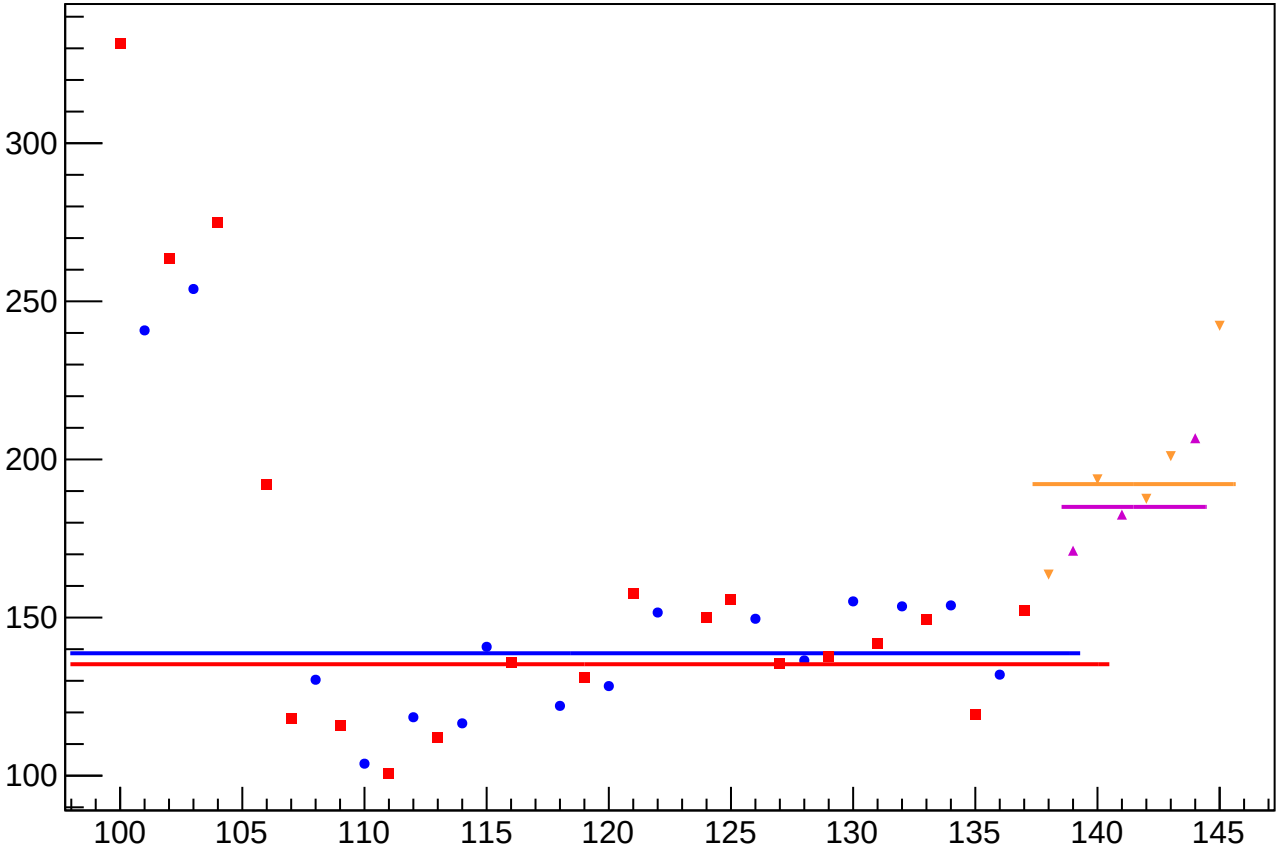
Left In: 7555.031+/-115.432 χ^2/NDF:1818.5/2

+ sign 8.116+/-47.878 χ^2/NDF: 33615.6/20

All: 2612.732+/-33.715 χ^2/NDF: 49611.9/42

- sign 5174.555+/-47.483 χ^2/NDF: 10126.1/21

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

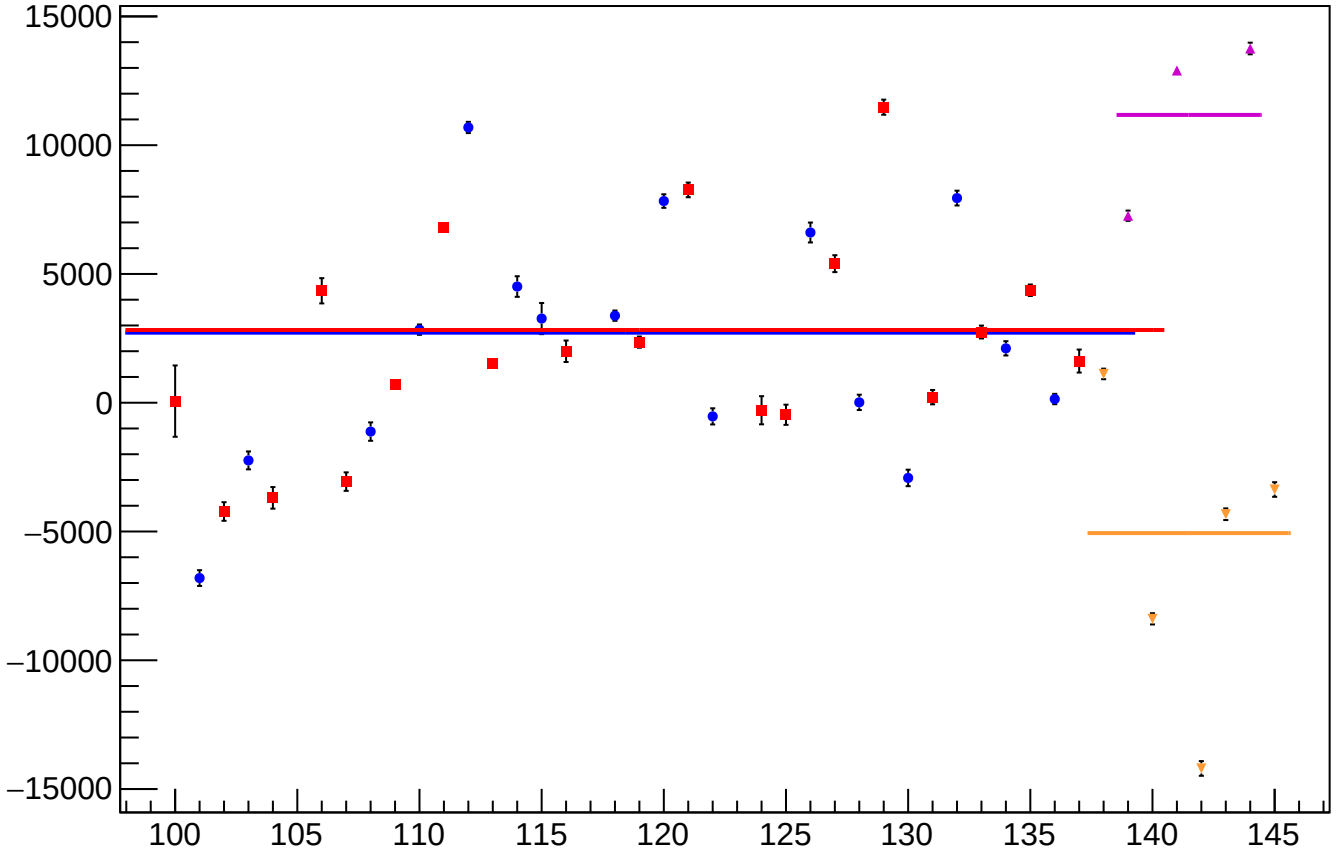
Left In: 184.998+/-0.082 χ^2/NDF:30670.9/2

+ sign 150.460+/-0.034 χ^2/NDF: 1204705.6/20

All: 147.034+/-0.024 χ^2/NDF: 2454393.9/42

- sign 143.664+/-0.034 χ^2/NDF: 1229373.6/21

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

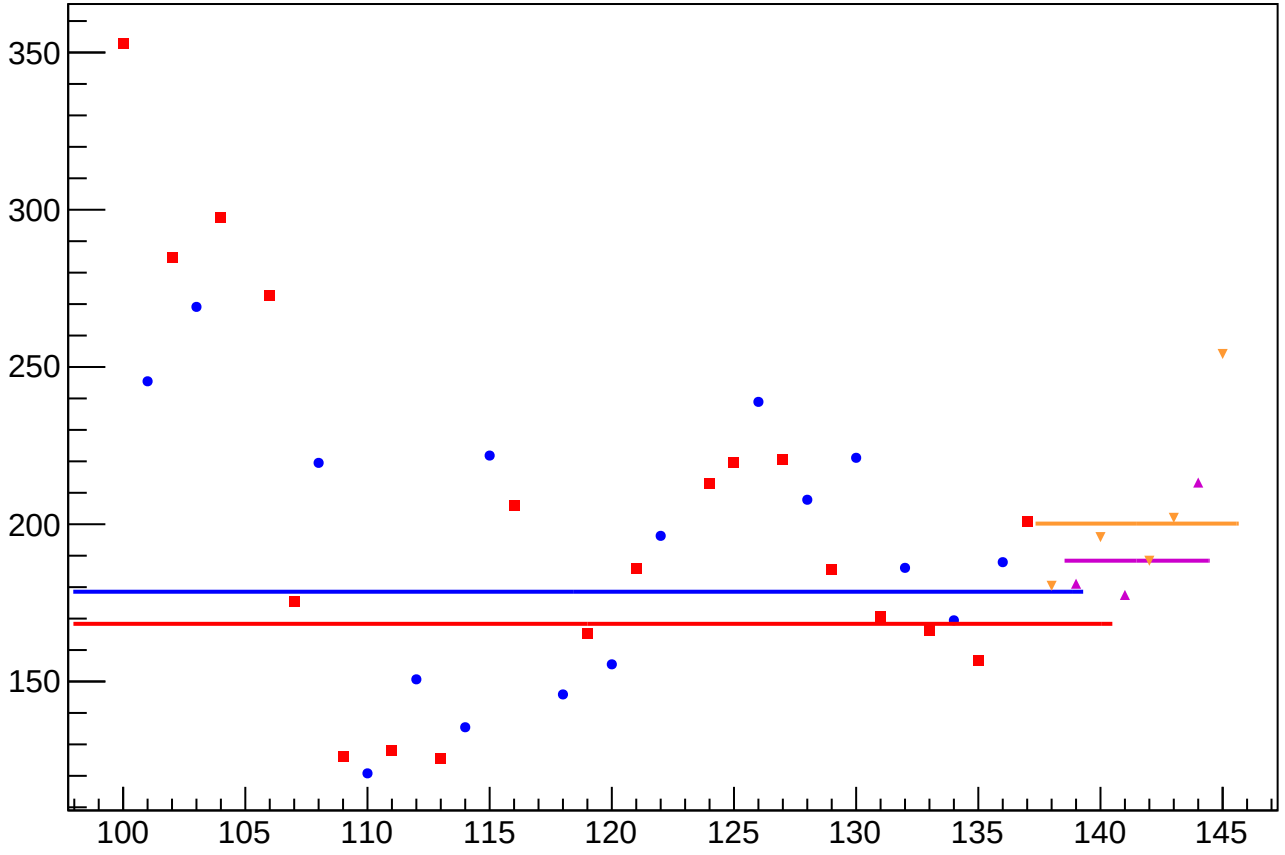
Left In: 11175.302+/-117.395 χ^2/NDF:598.6/2

+ sign 396.639+/-57.996 χ^2/NDF: 10105.9/20

All: 2633.490+/-40.567 χ^2/NDF: 20557.6/42

- sign 4776.363+/-56.765 χ^2/NDF: 7539.1/21

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

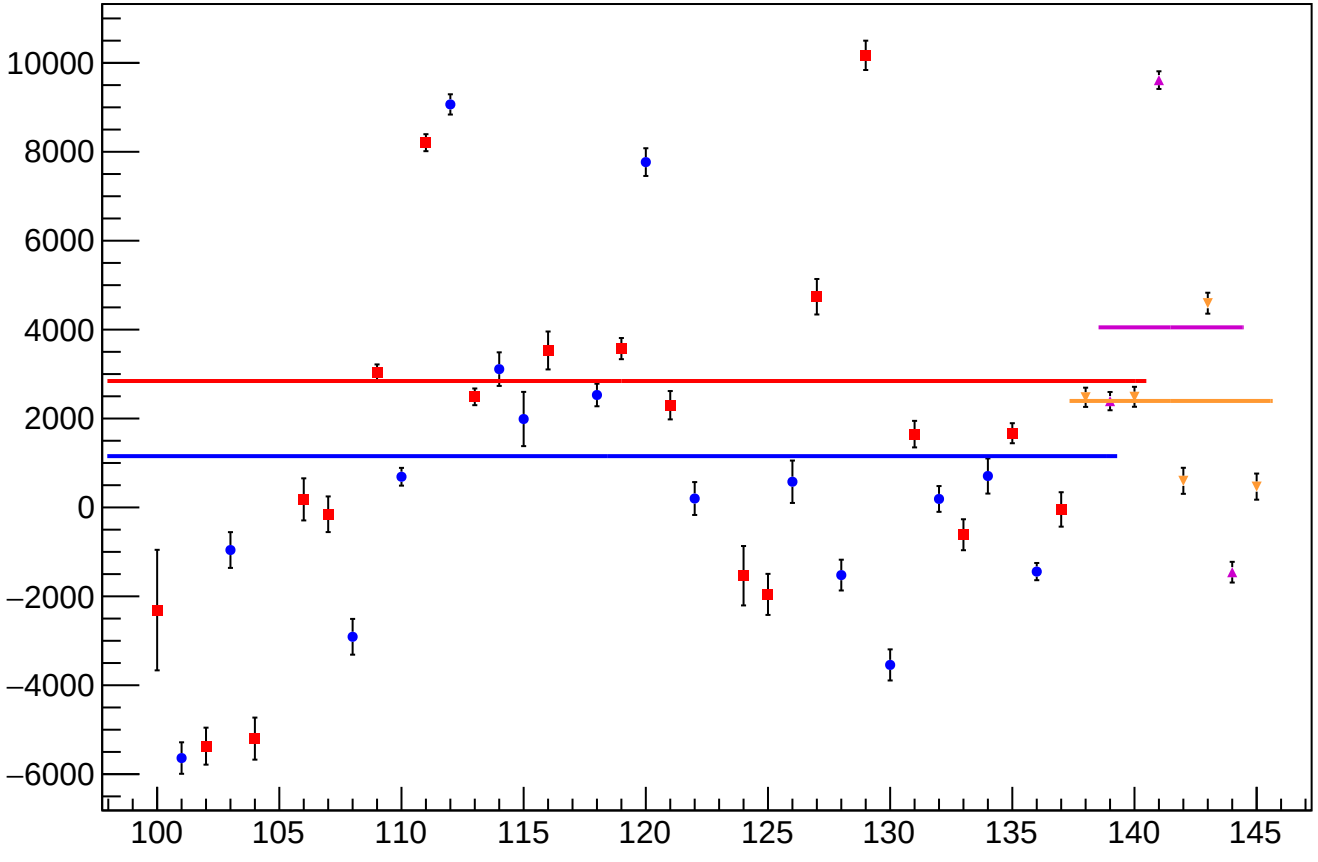
Left In: 188.409+/-0.083 χ^2/NDF:33476.2/2

+ sign 185.009+/-0.041 χ^2/NDF: 827950.3/20

All: 178.890+/-0.029 χ^2/NDF: 1929307.6/42

- sign 173.028+/-0.040 χ^2/NDF: 1057770.8/21

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

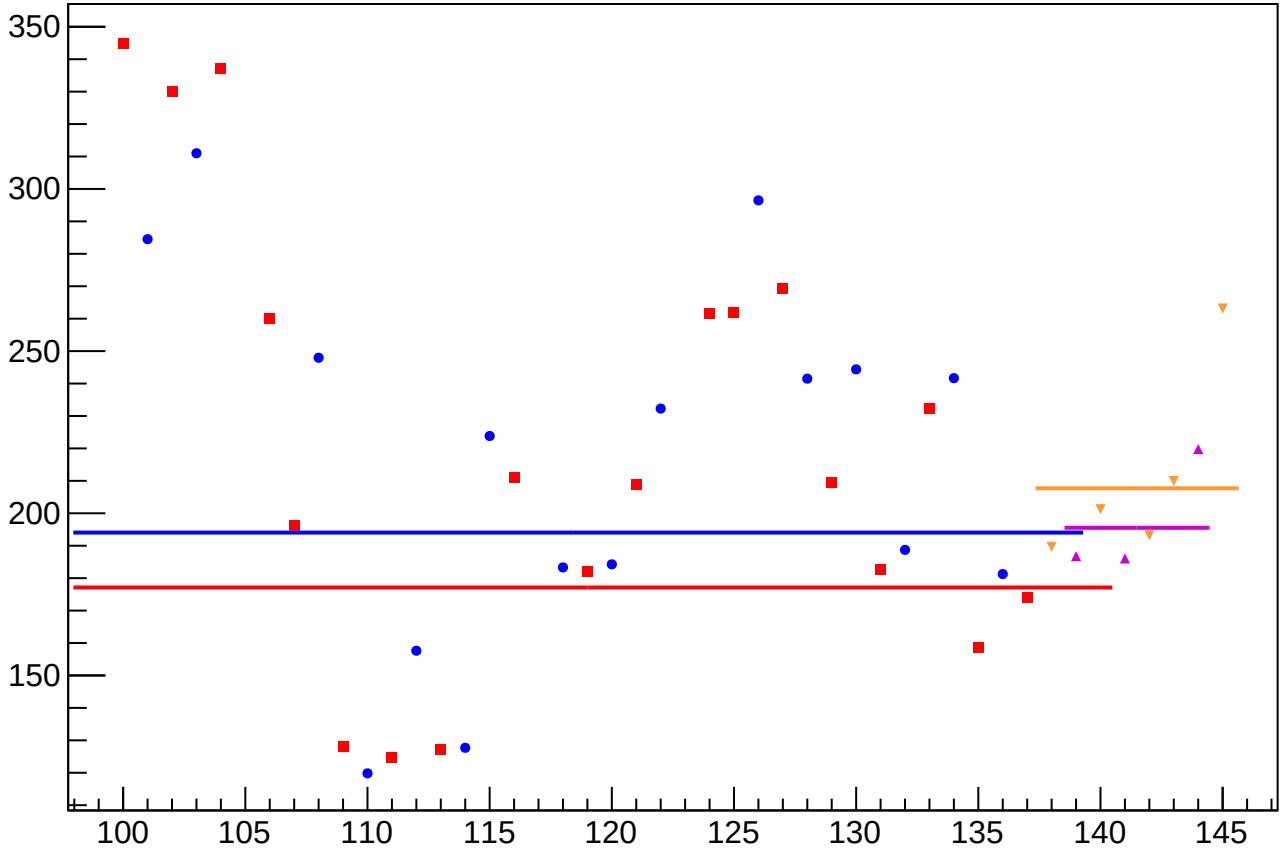
Left In: 4050.917+/-121.771 χ^2/NDF:1407.4/2

+ sign 1554.161+/-62.523 χ^2/NDF: 2909.7/20

All: 2377.136+/-43.337 χ^2/NDF: 7178.0/42

- sign 3138.149+/-60.124 χ^2/NDF: 3934.8/21

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

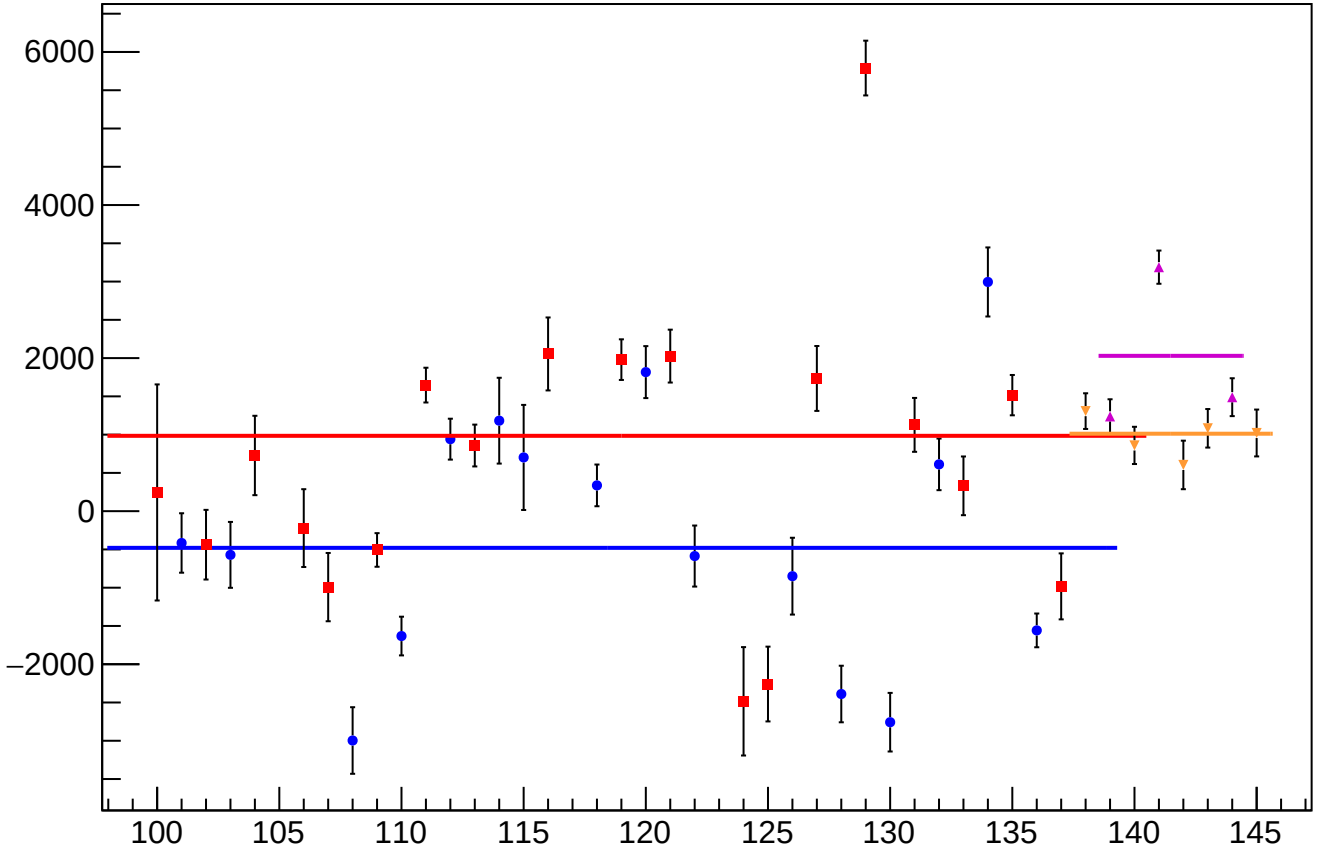
Left In: 195.534+/-0.086 χ^2/NDF:29890.8/2

+ sign 198.455+/-0.044 χ^2/NDF: 1078458.1/20

All: 189.701+/-0.031 χ^2/NDF: 2577765.0/42

- sign 181.605+/-0.043 χ^2/NDF: 1423839.0/21

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

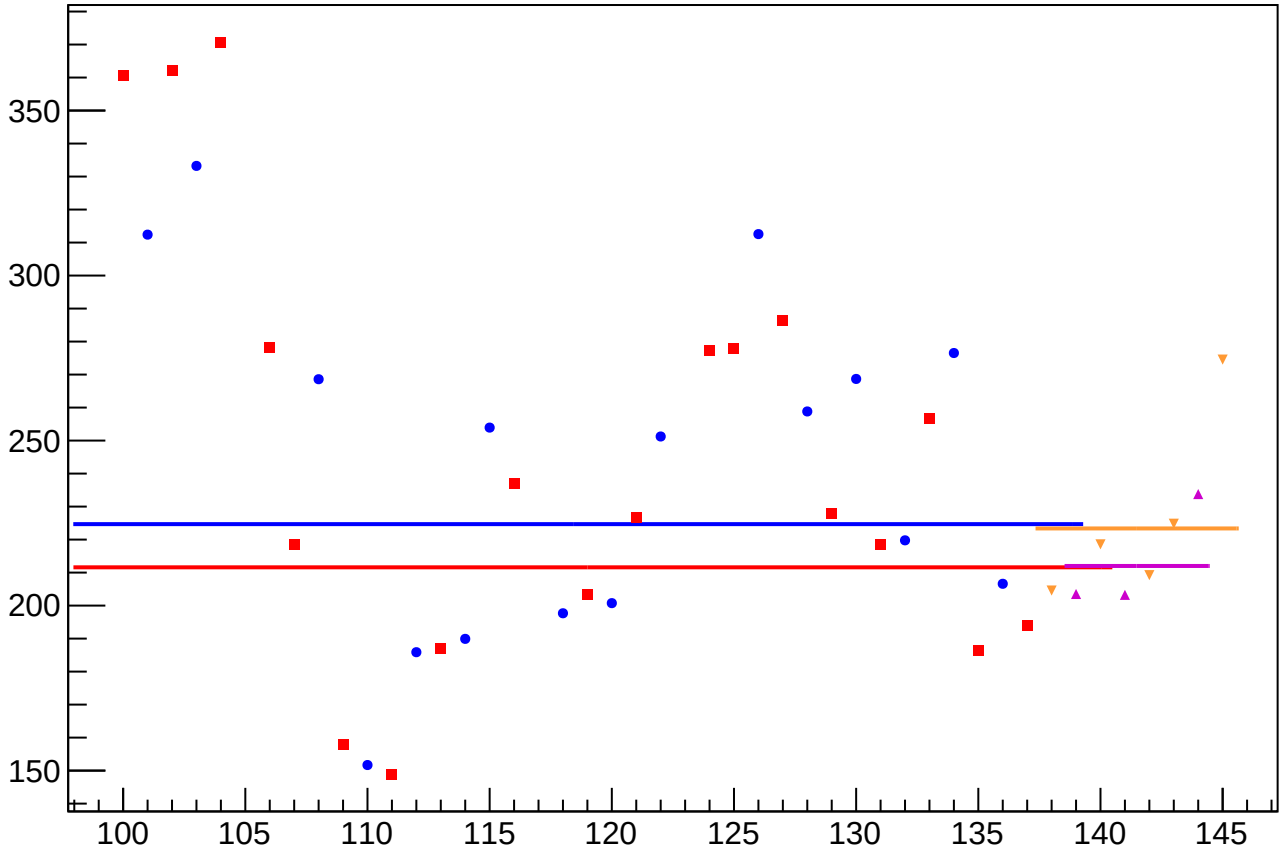
Left In: 2029.548+/-131.776 χ^2/NDF:45.8/2

\+ sign 42.878+/-69.881 χ^2/NDF: 412.8/20

All: 664.869+/-49.089 χ^2/NDF: 1058.8/42

\- sign 1270.792+/-68.972 χ^2/NDF: 489.6/21

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

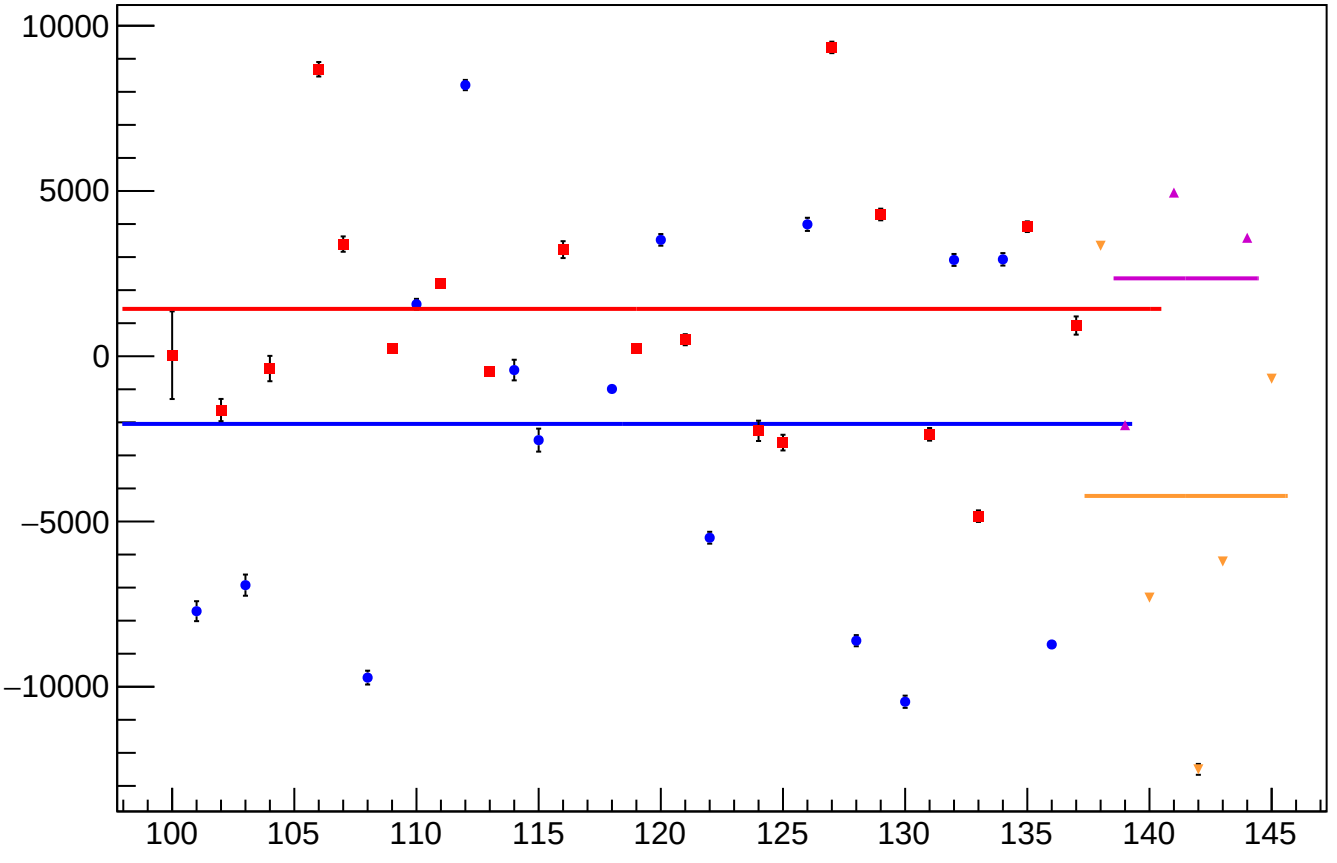
Left In: 212.007+/-0.093 χ^2/NDF:21636.0/2

+ sign 224.225+/-0.049 χ^2/NDF: 727075.4/20

All: 217.885+/-0.035 χ^2/NDF: 1714134.3/42

- sign 211.708+/-0.049 χ^2/NDF: 954552.7/21

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

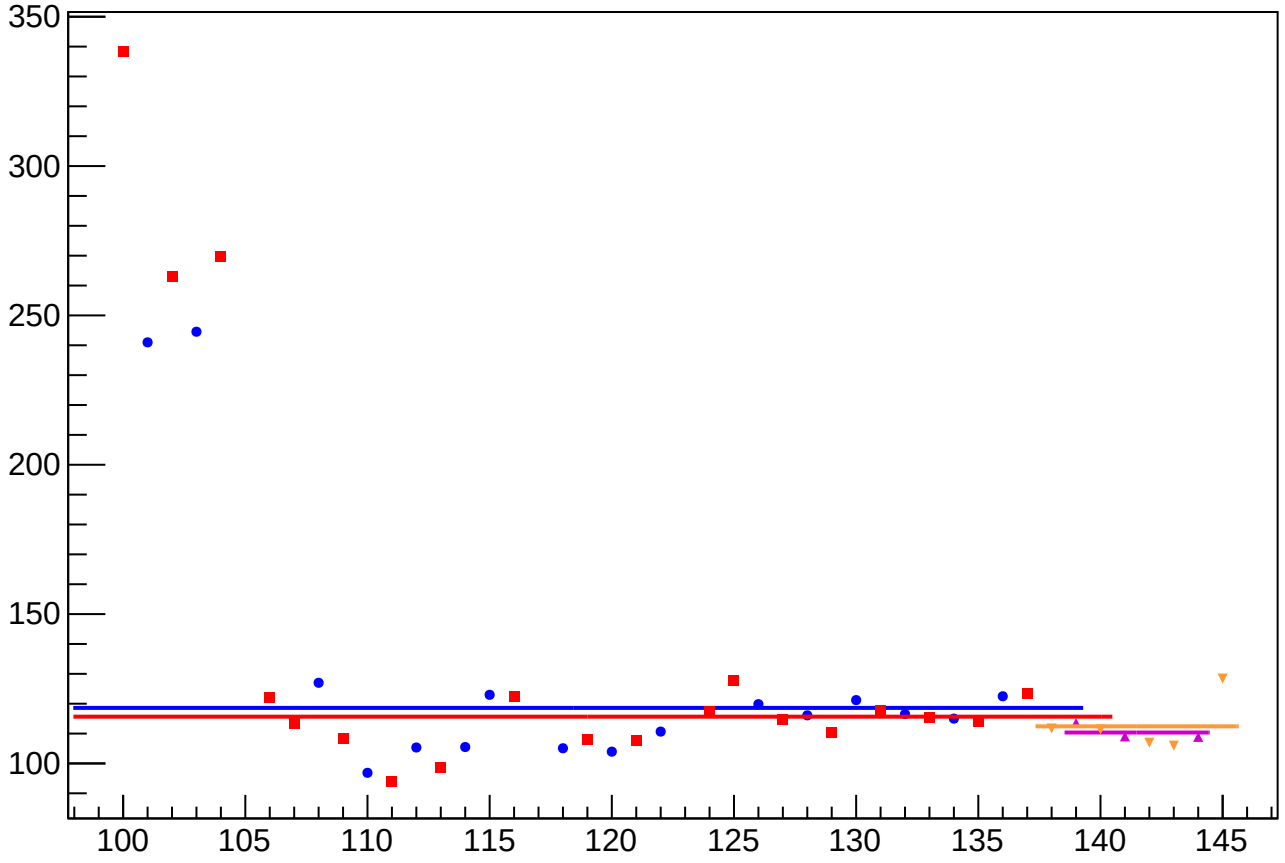
Left In: 2356.719+/-69.363 χ^2/NDF:1828.0/2

+ sign -2869.314+/-36.870 χ^2/NDF: 25038.5/20

All: -626.798+/-26.322 χ^2/NDF: 40924.2/42

- sign 1704.235+/-37.591 χ^2/NDF: 8341.1/21

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

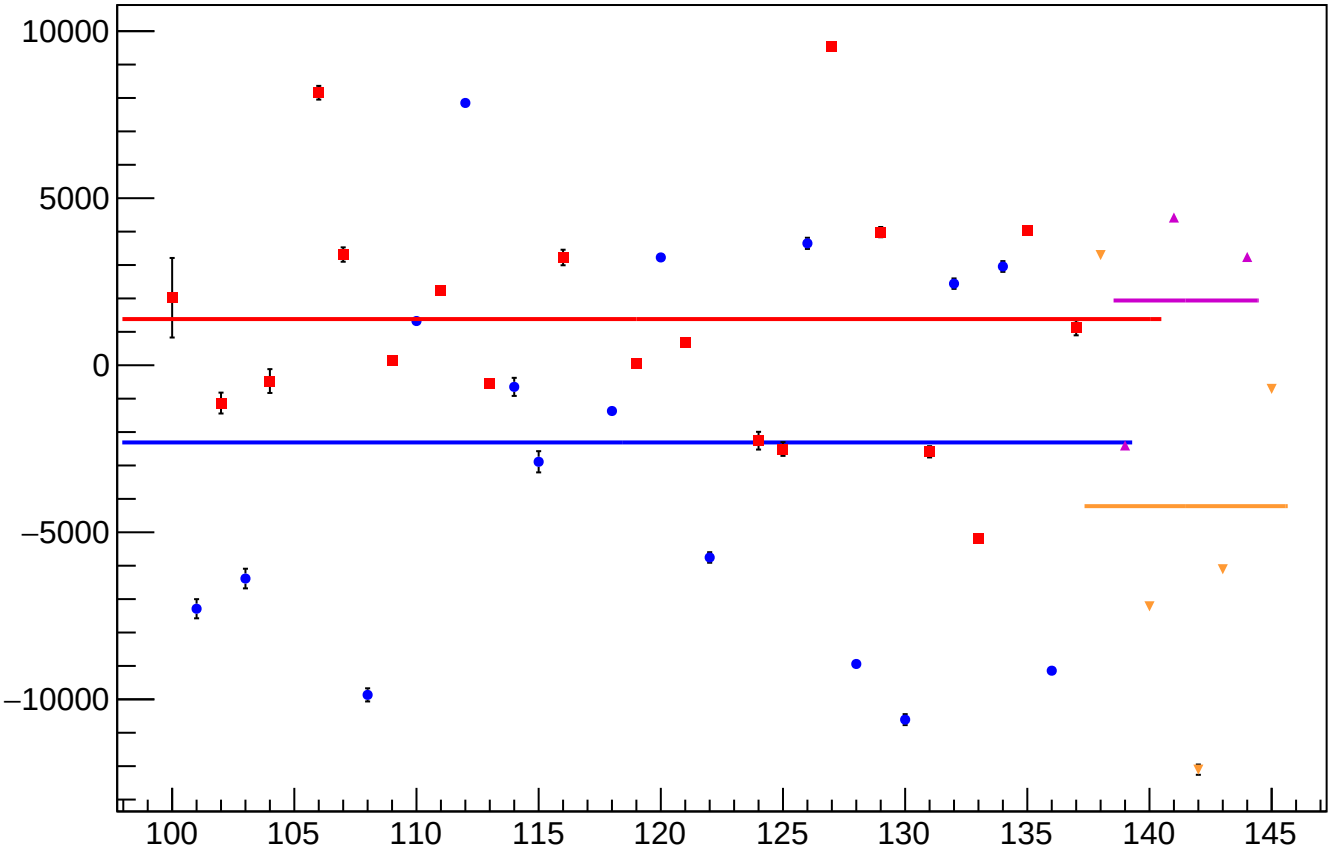
Left In: 110.353+/-0.049 χ^2/NDF:1824.0/2

\+ sign 116.267+/-0.026 χ^2/NDF: 779880.1/20

All: 115.205+/-0.019 χ^2/NDF: 1657560.1/42

\- sign 114.101+/-0.027 χ^2/NDF: 874297.3/21

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

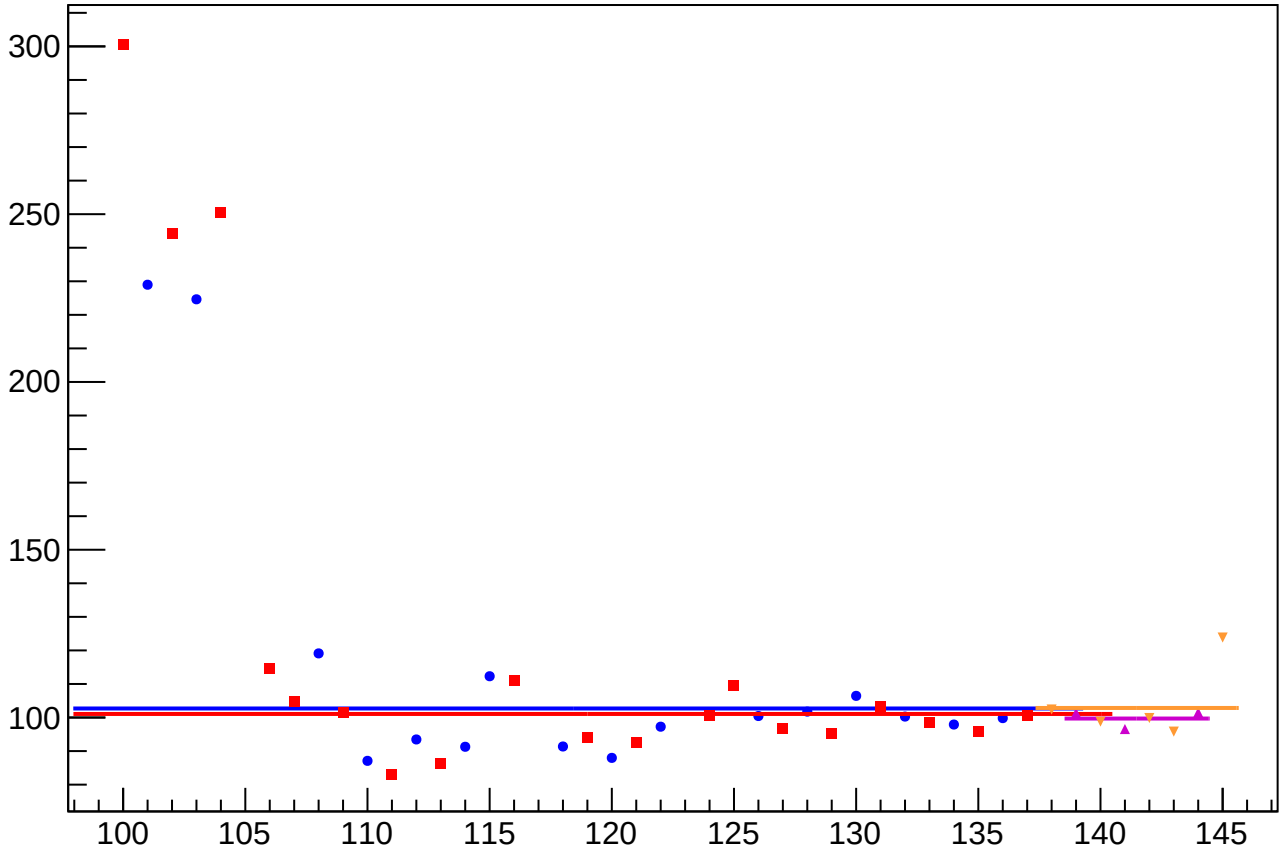
Left In: 1938.341+/-62.741 χ^2/NDF:2175.8/2

+ sign -2984.834+/-32.751 χ^2/NDF: 30848.7/20

All: -762.550+/-23.361 χ^2/NDF: 51032.6/42

- sign 1539.139+/-33.331 χ^2/NDF: 10811.1/21

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

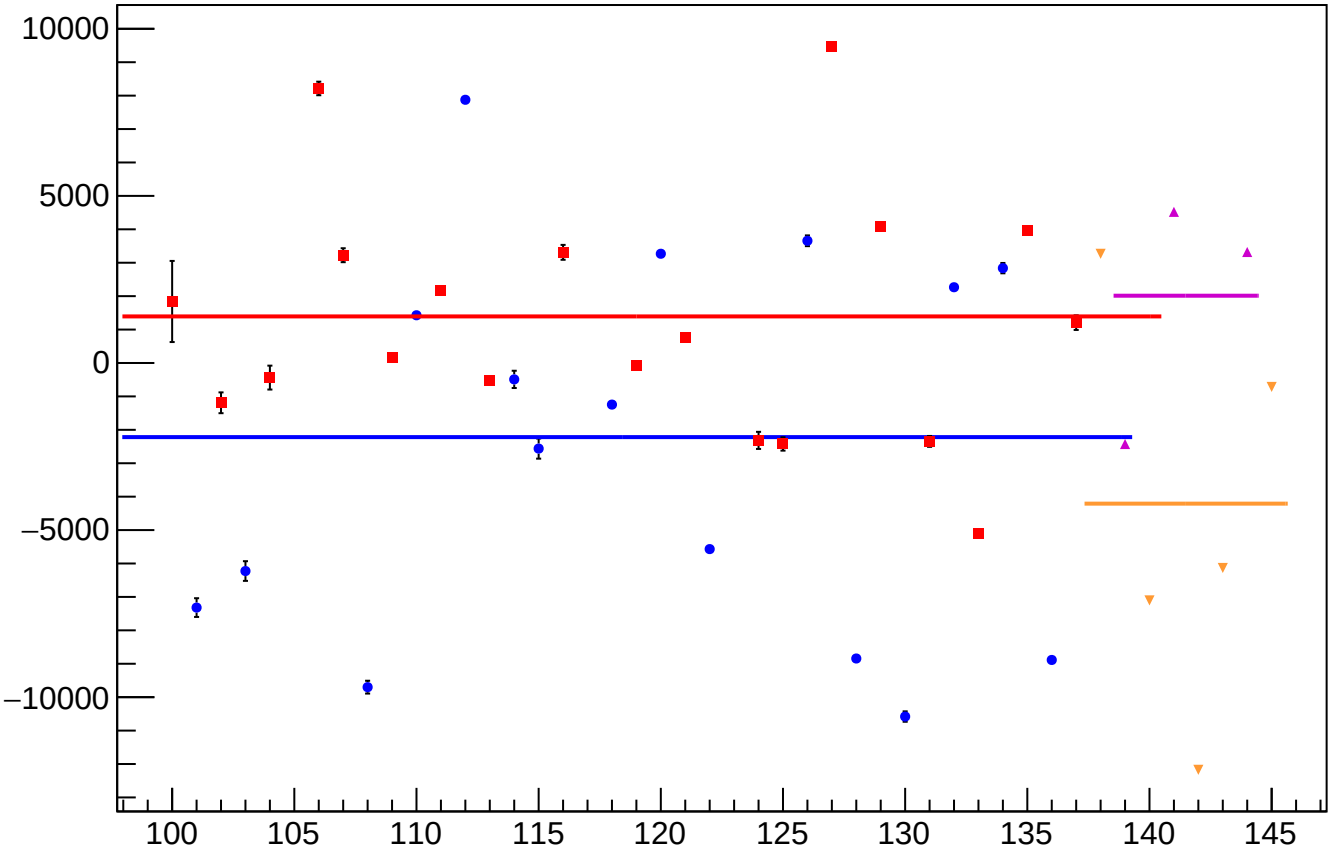
Left In: 99.697+/-0.044 χ^2/NDF:2810.0/2

+ sign 102.750+/-0.023 χ^2/NDF: 882710.9/20

All: 101.732+/-0.017 χ^2/NDF: 1820591.8/42

- sign 100.678+/-0.024 χ^2/NDF: 933949.1/21

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

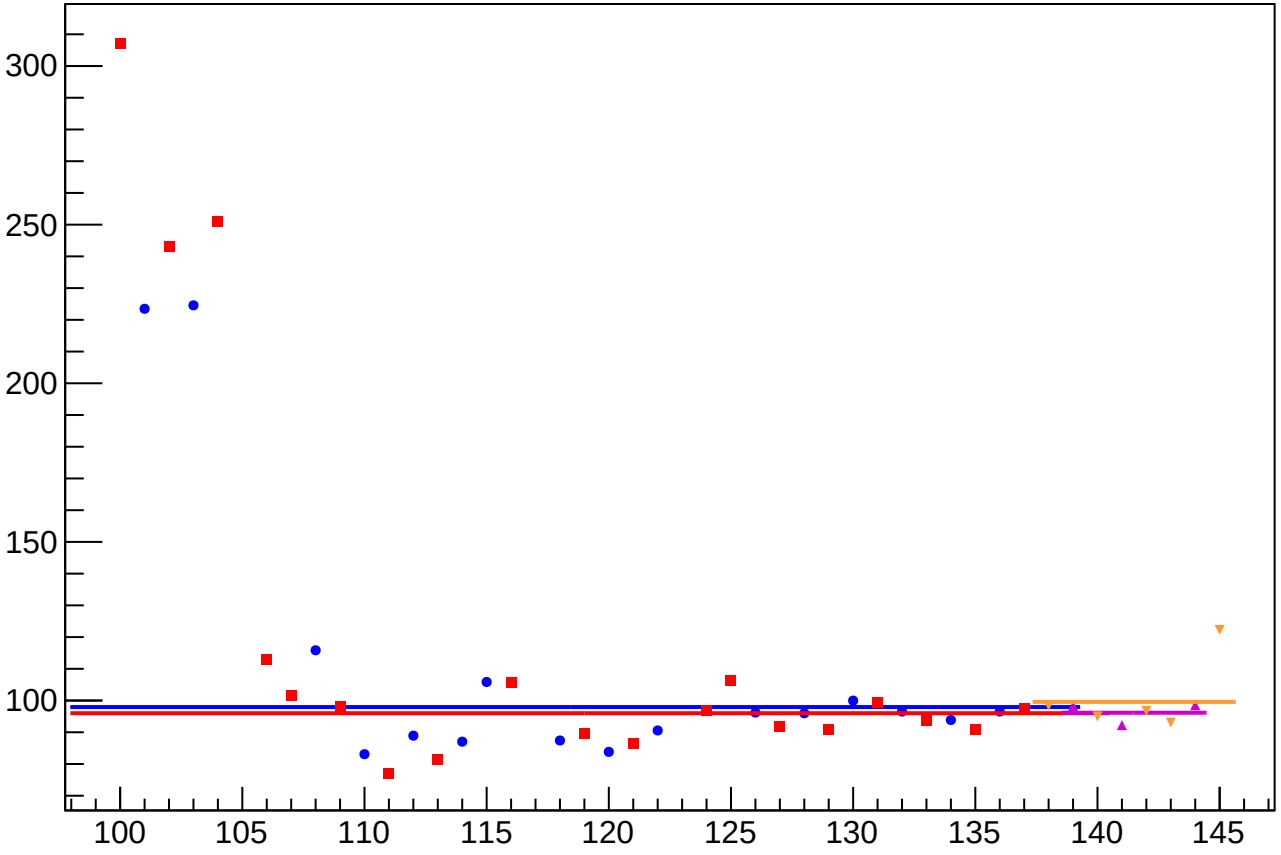
Left In: 2013.173+/-60.706 χ^2/NDF:2408.6/2

+ sign -2909.688+/-31.537 χ^2/NDF: 32869.4/20

All: -701.539+/-22.446 χ^2/NDF: 54440.5/42

- sign 1565.218+/-31.953 χ^2/NDF: 11636.0/21

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

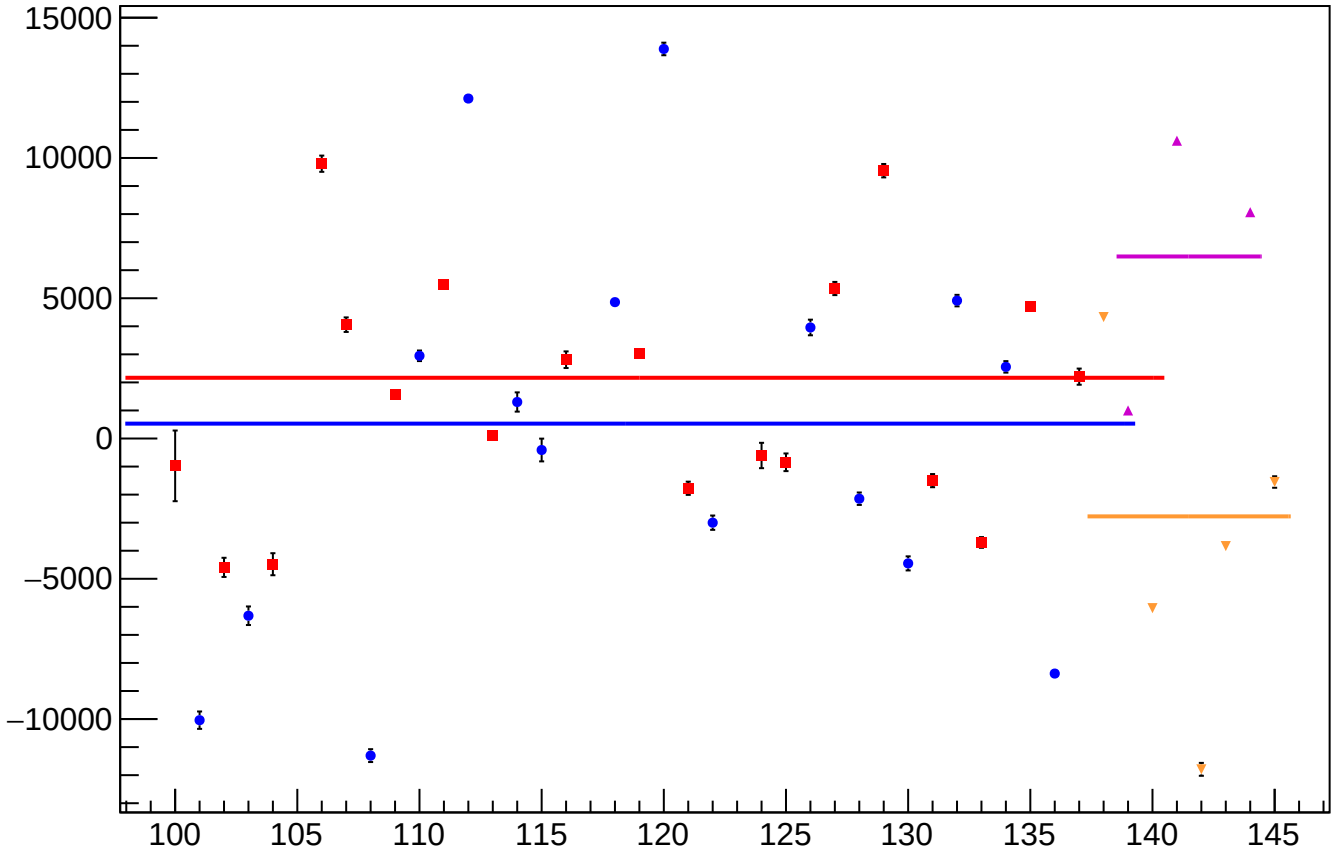
Left In: 96.159+/-0.043 χ^2/NDF:4817.4/2

+ sign 98.510+/-0.022 χ^2/NDF: 935211.8/20

All: 97.295+/-0.016 χ^2/NDF: 1958344.9/42

- sign 96.047+/-0.023 χ^2/NDF: 1017113.7/21

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

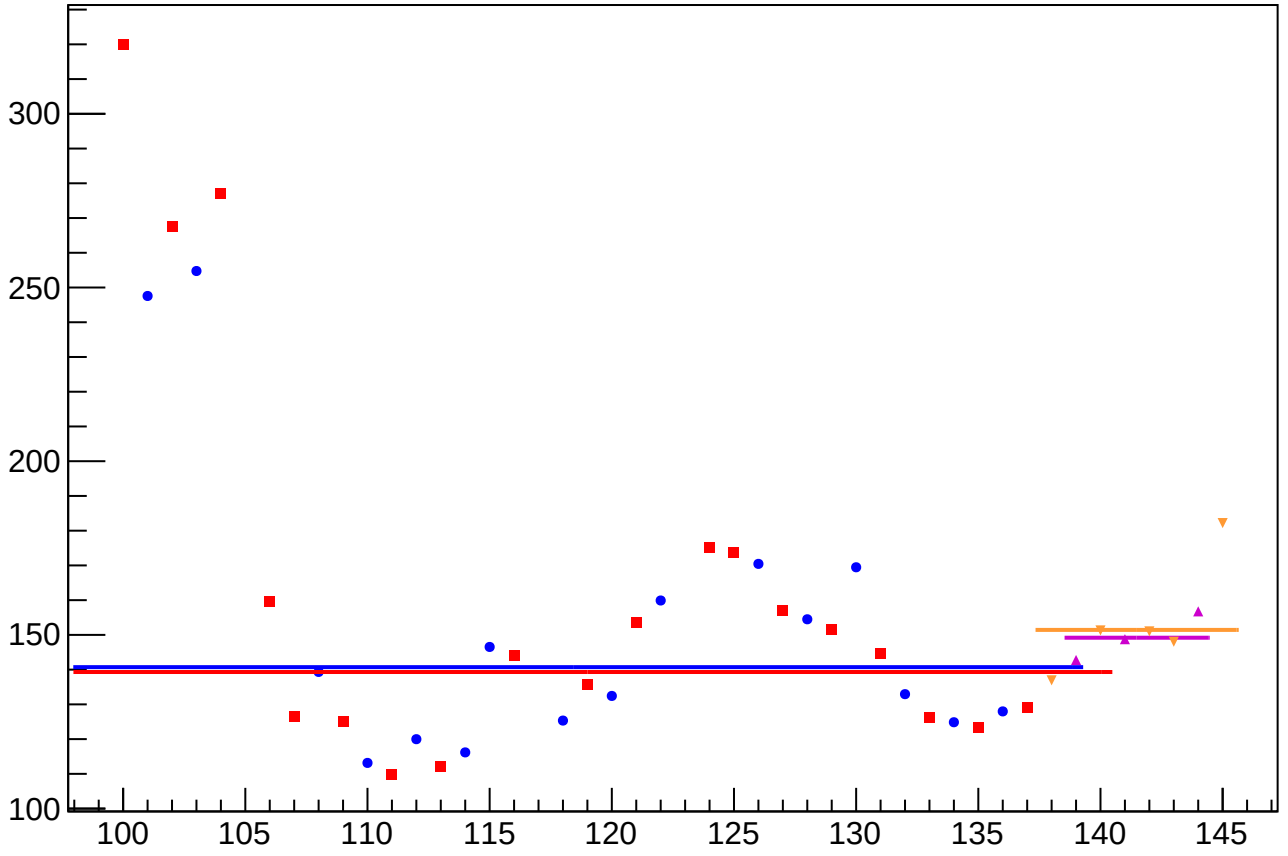
Left In: 6488.862+/-93.173 χ^2/NDF:1962.5/2

+ sign -517.919+/-45.330 χ^2/NDF: 23797.0/20

All: 1316.478+/-32.414 χ^2/NDF: 35697.9/42

- sign 3235.849+/-46.368 χ^2/NDF: 8549.8/21

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

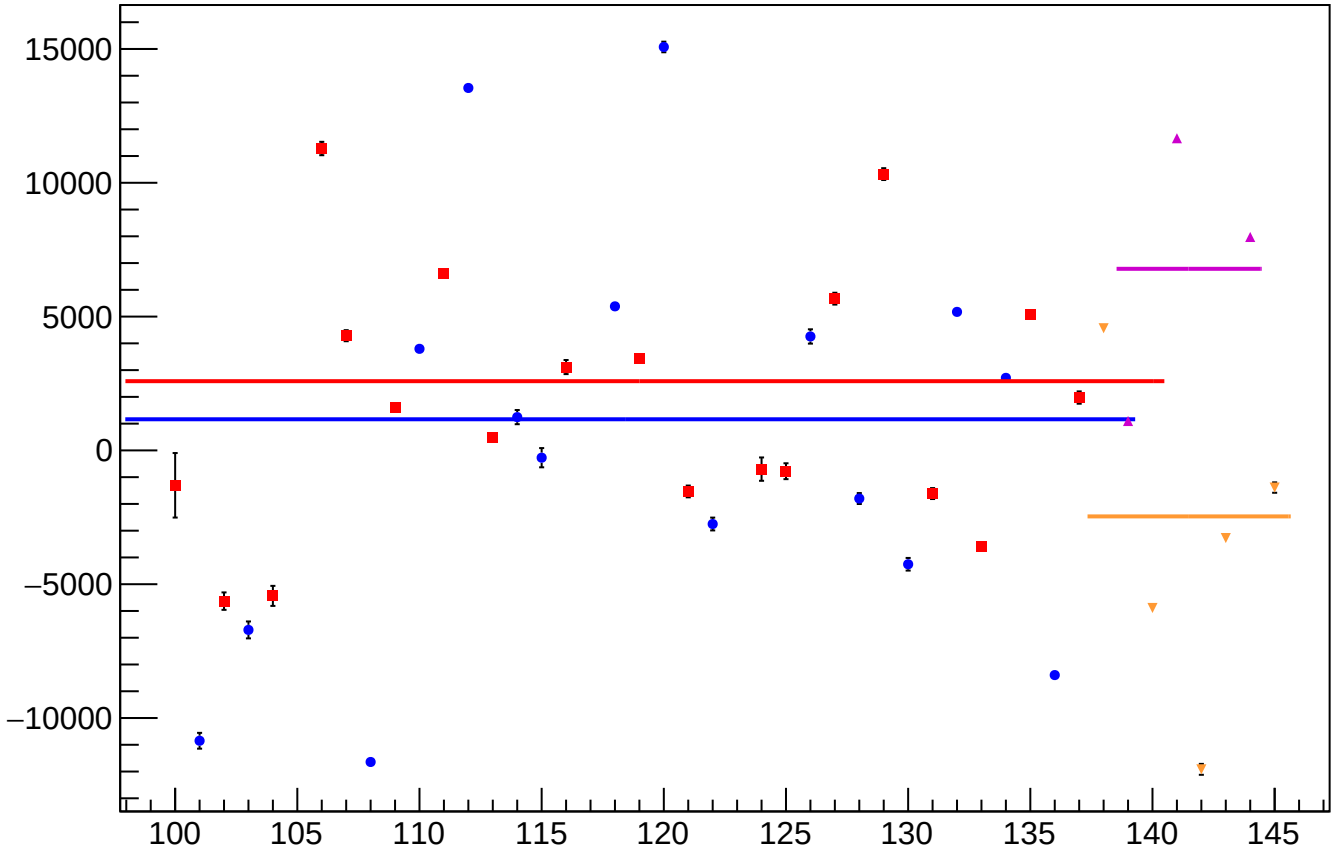
Left In: 149.187+/-0.066 χ^2/NDF:7430.0/2

+ sign 144.115+/-0.032 χ^2/NDF: 763080.4/20

All: 142.965+/-0.023 χ^2/NDF: 1592346.8/42

- sign 141.761+/-0.033 χ^2/NDF: 826631.2/21

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

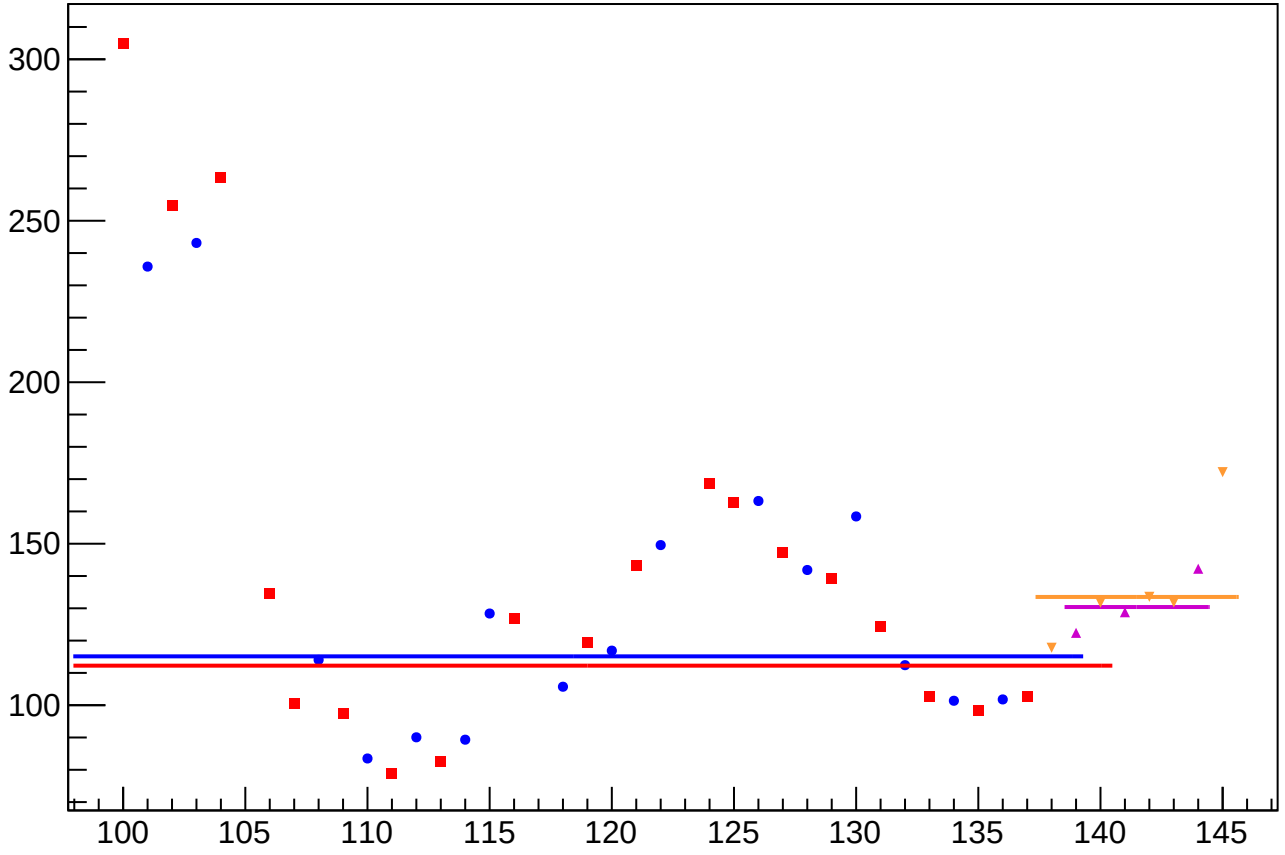
Left In: 6785.242+/-81.774 χ^2/NDF:3048.6/2

+ sign 101.003+/-38.631 χ^2/NDF: 38049.1/20

All: 1806.548+/-27.418 χ^2/NDF: 55164.2/42

- sign 3537.906+/-38.922 χ^2/NDF: 13187.1/21

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

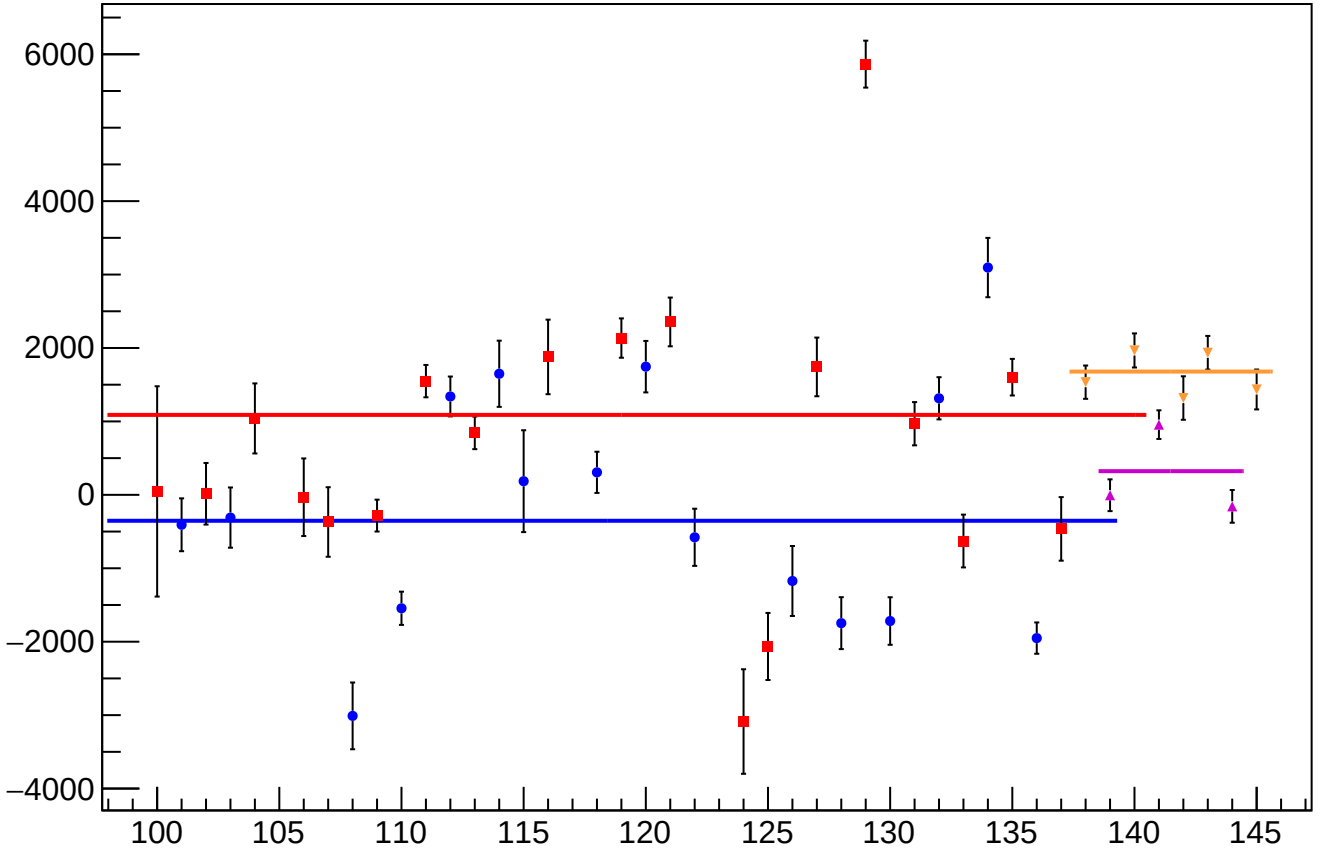
Left In: 130.397+/-0.058 χ^2/NDF:19363.3/2

+ sign 120.507+/-0.027 χ^2/NDF: 1314003.0/20

All: 118.446+/-0.019 χ^2/NDF: 2749247.8/42

- sign 116.354+/-0.028 χ^2/NDF: 1423777.2/21

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

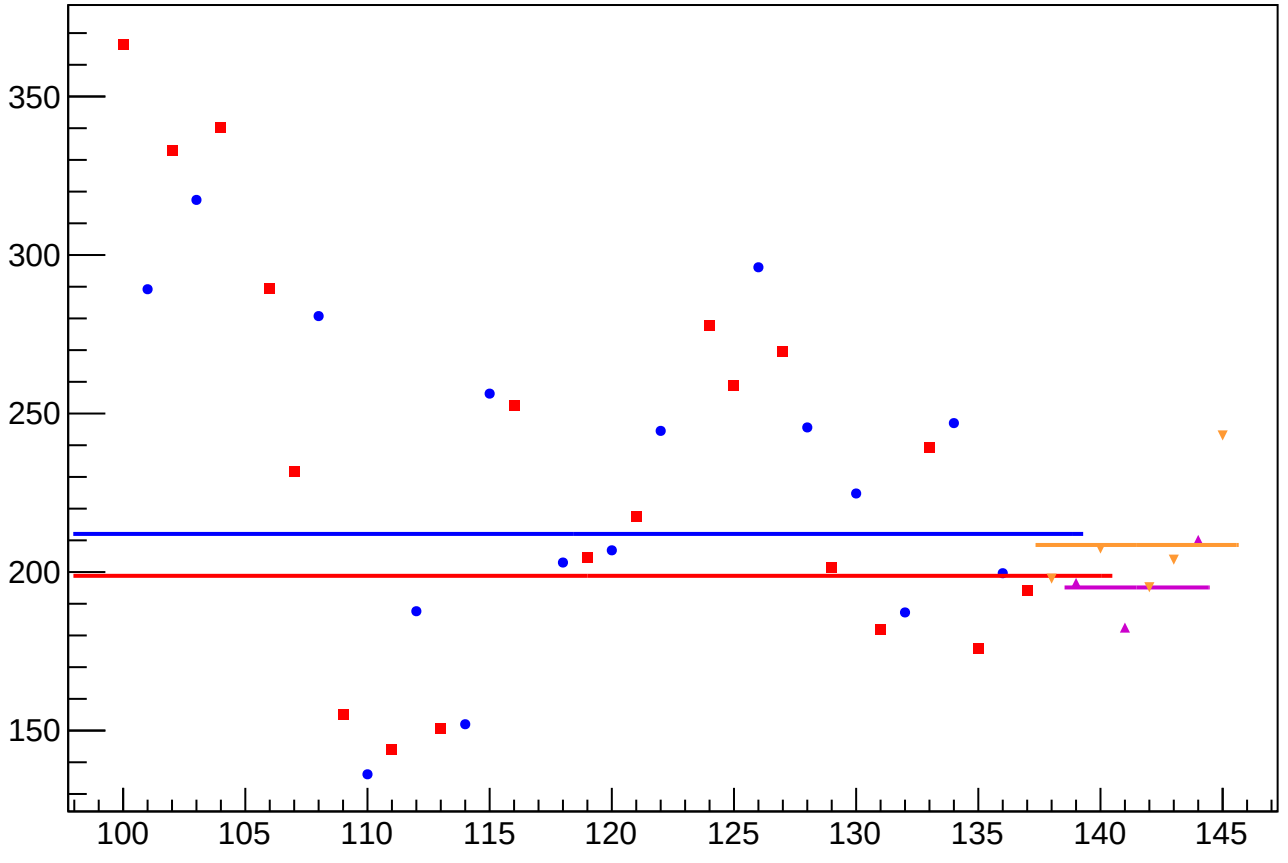
Left In: 322.567+/-121.446 χ^2/NDF:17.5/2

+ sign 370.578+/-65.905 χ^2/NDF: 585.3/20

All: 625.596+/-46.168 χ^2/NDF: 1107.8/42

- sign 871.330+/-64.695 χ^2/NDF: 493.1/21

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

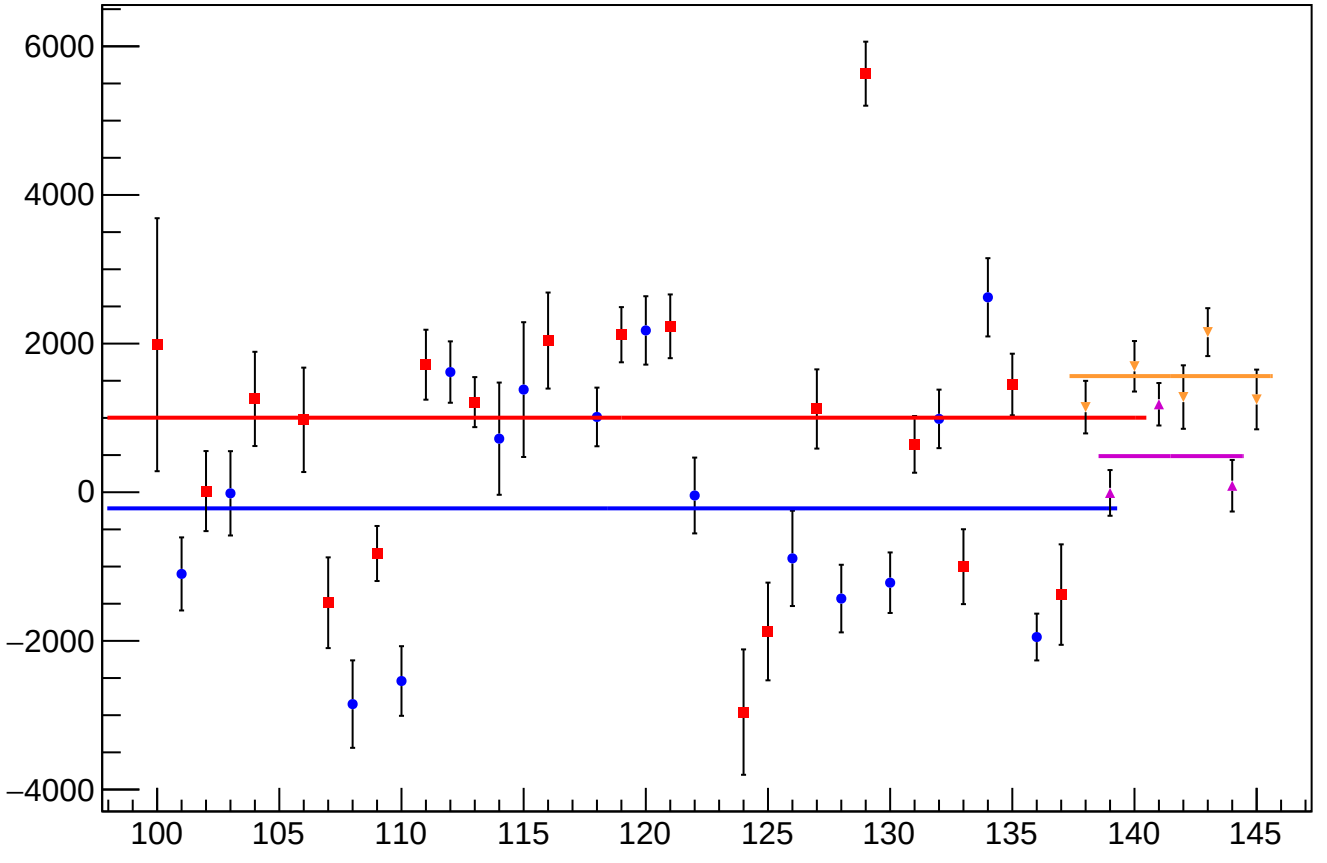
Left In: 195.138+/-0.086 χ^2/NDF:17574.3/2

+ sign 210.787+/-0.047 χ^2/NDF: 733293.5/20

All: 204.156+/-0.033 χ^2/NDF: 1766850.2/42

- sign 197.768+/-0.046 χ^2/NDF: 993811.5/21

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

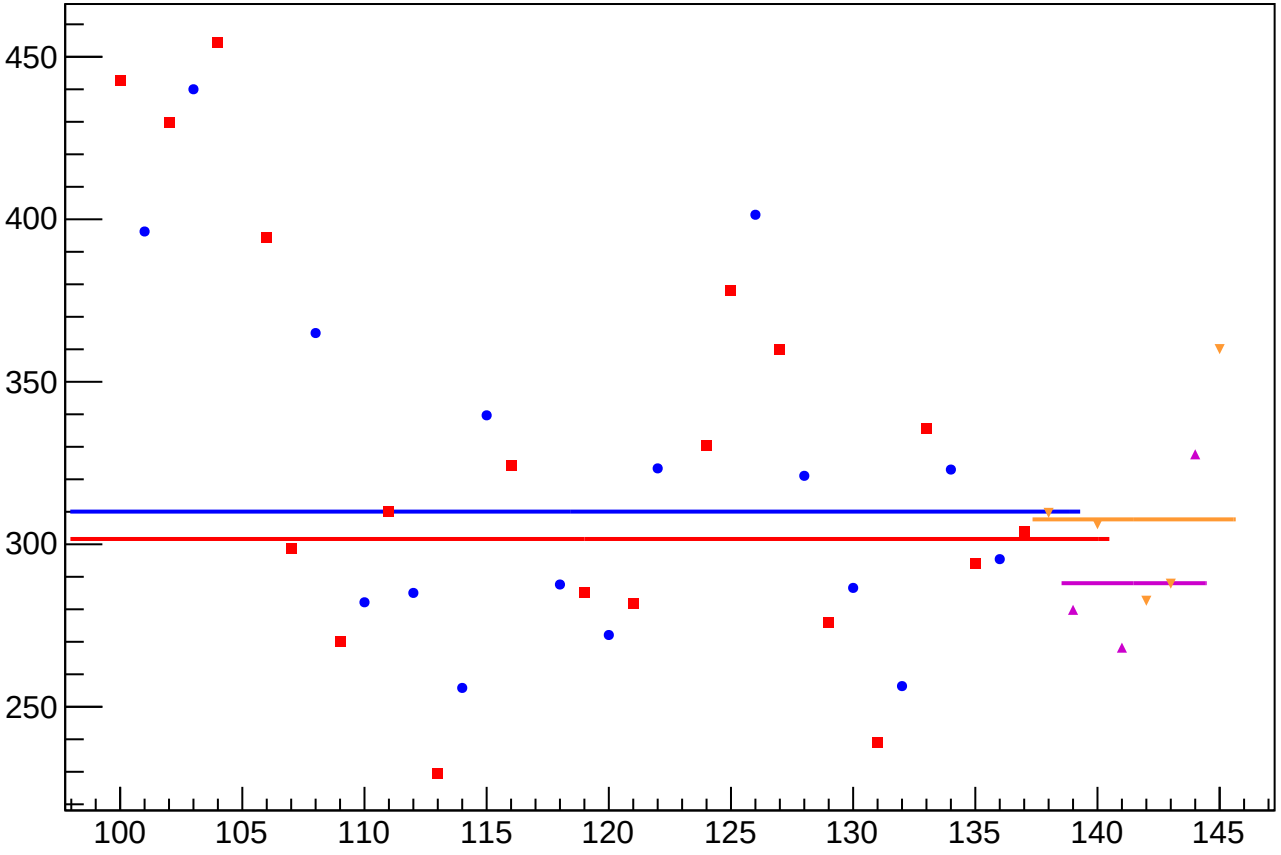
Left In: 486.058+/-179.256 χ^2/NDF:9.9/2

+ sign 397.615+/-95.385 χ^2/NDF: 276.8/20

All: 626.063+/-67.544 χ^2/NDF: 558.5/42

- sign 855.822+/-95.659 χ^2/NDF: 270.2/21

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

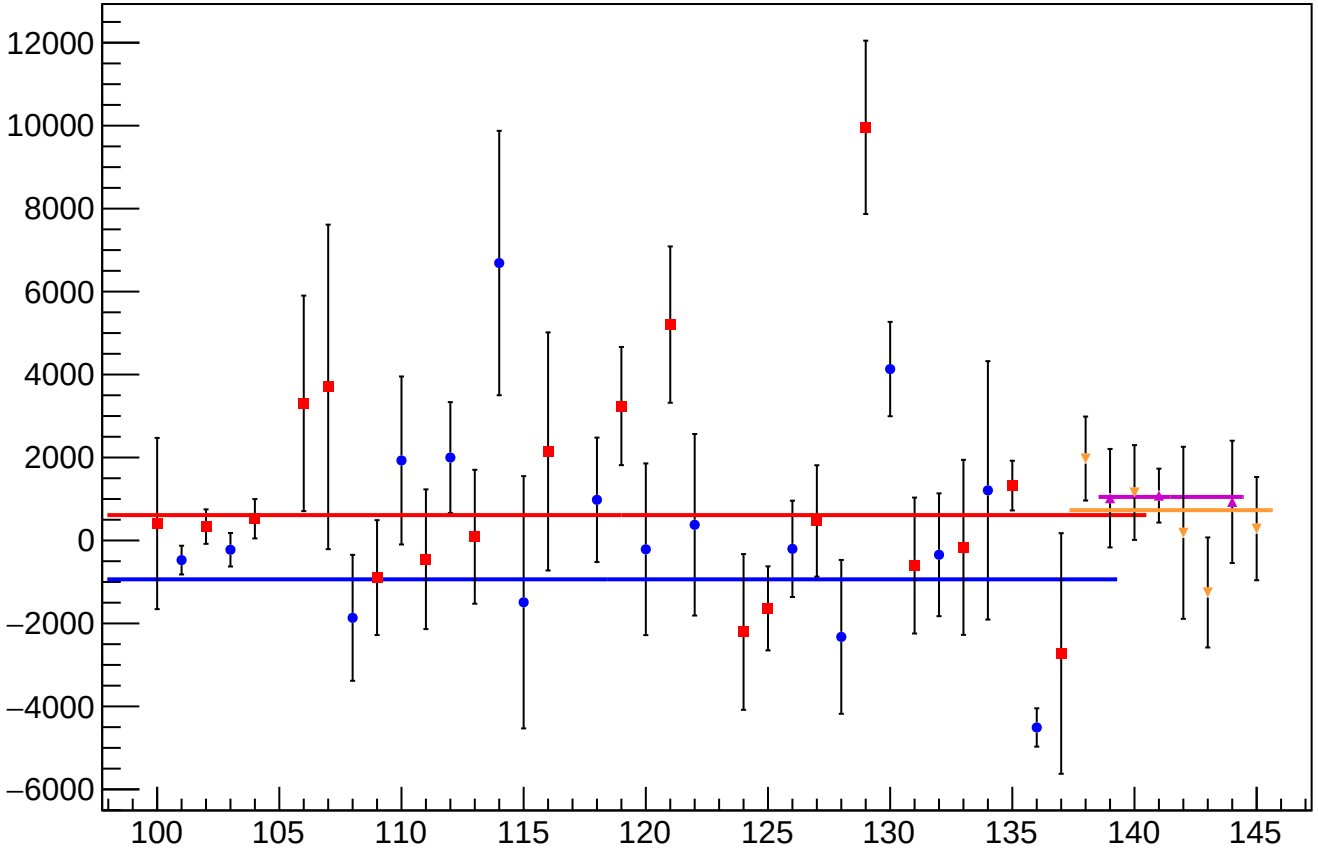
Left In: 288.031+/-0.127 χ^2/NDF:37172.6/2

+ sign 309.236+/-0.067 χ^2/NDF: 372084.3/20

All: 303.515+/-0.048 χ^2/NDF: 951812.6/42

- sign 297.762+/-0.068 χ^2/NDF: 565302.1/21

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

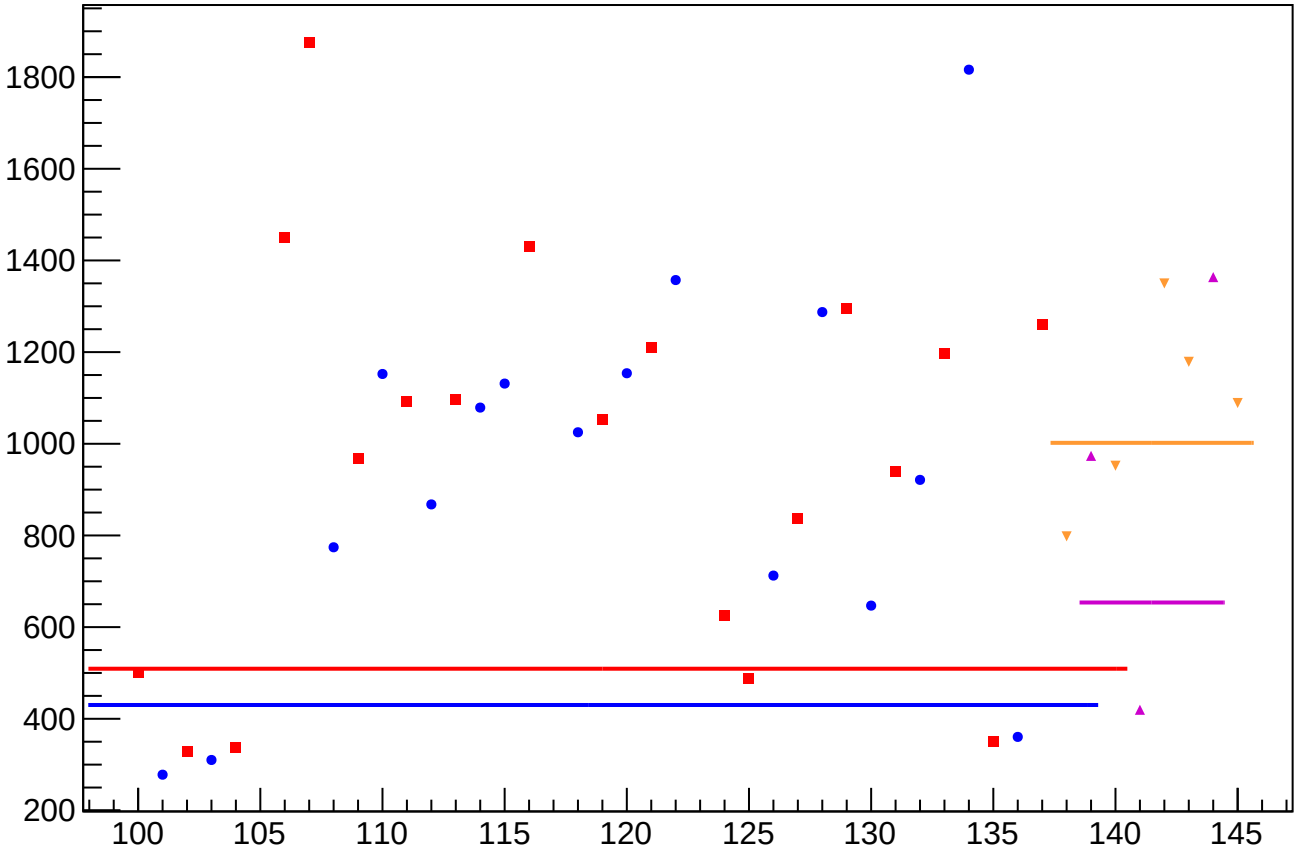
Left In: 1049.513+/-531.752 χ^2/NDF:0.0/2

+ sign -740.434+/-192.274 χ^2/NDF: 113.1/20

All: -103.376+/-142.882 χ^2/NDF: 182.3/42

- sign 682.266+/-213.523 χ^2/NDF: 44.7/21

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

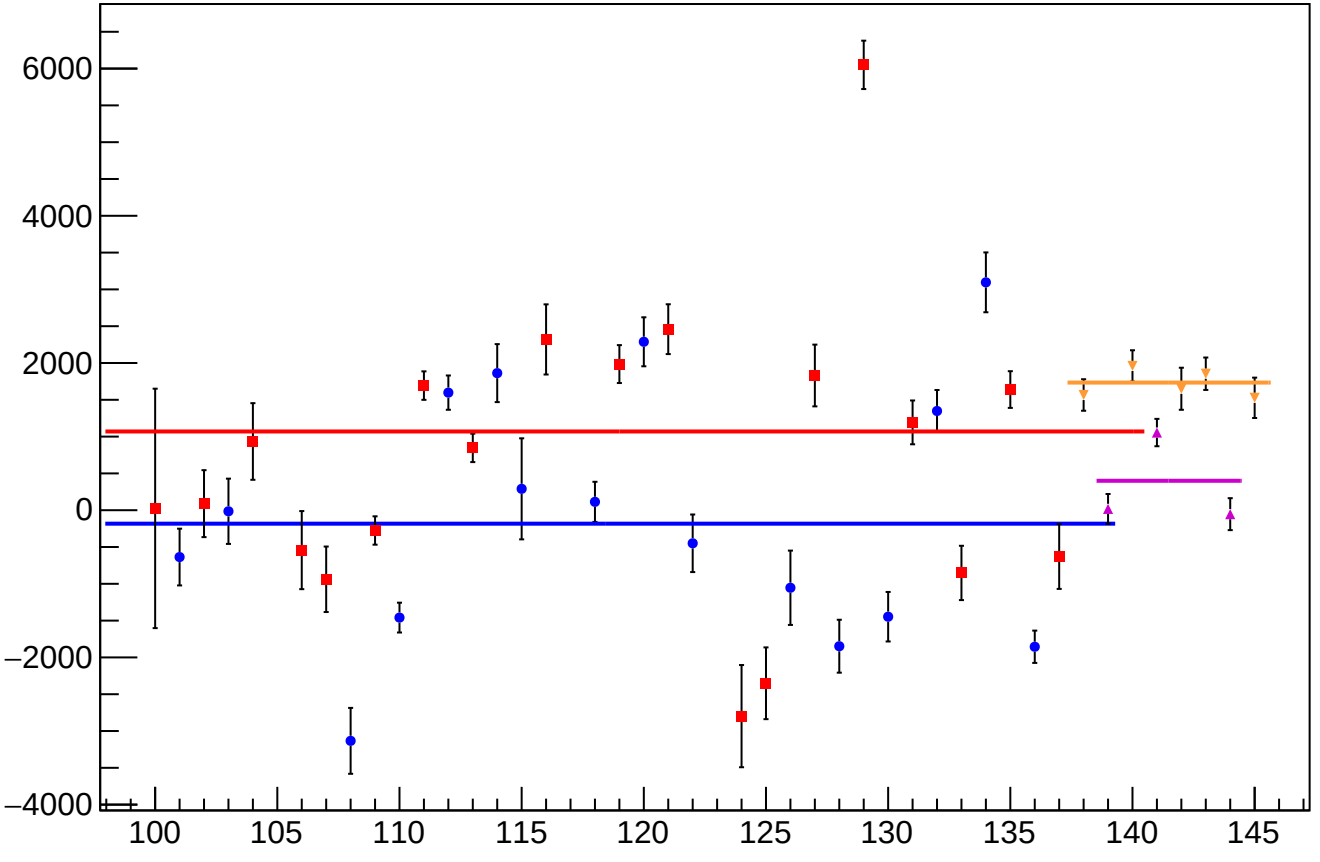
Left In: 653.710+/-0.376 χ^2/NDF:868383.1/2

+ sign 497.523+/-0.136 χ^2/NDF: 5548462.6/20

All: 513.199+/-0.101 χ^2/NDF: 10243790.5/42

- sign 532.531+/-0.151 χ^2/NDF: 4665639.5/21

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

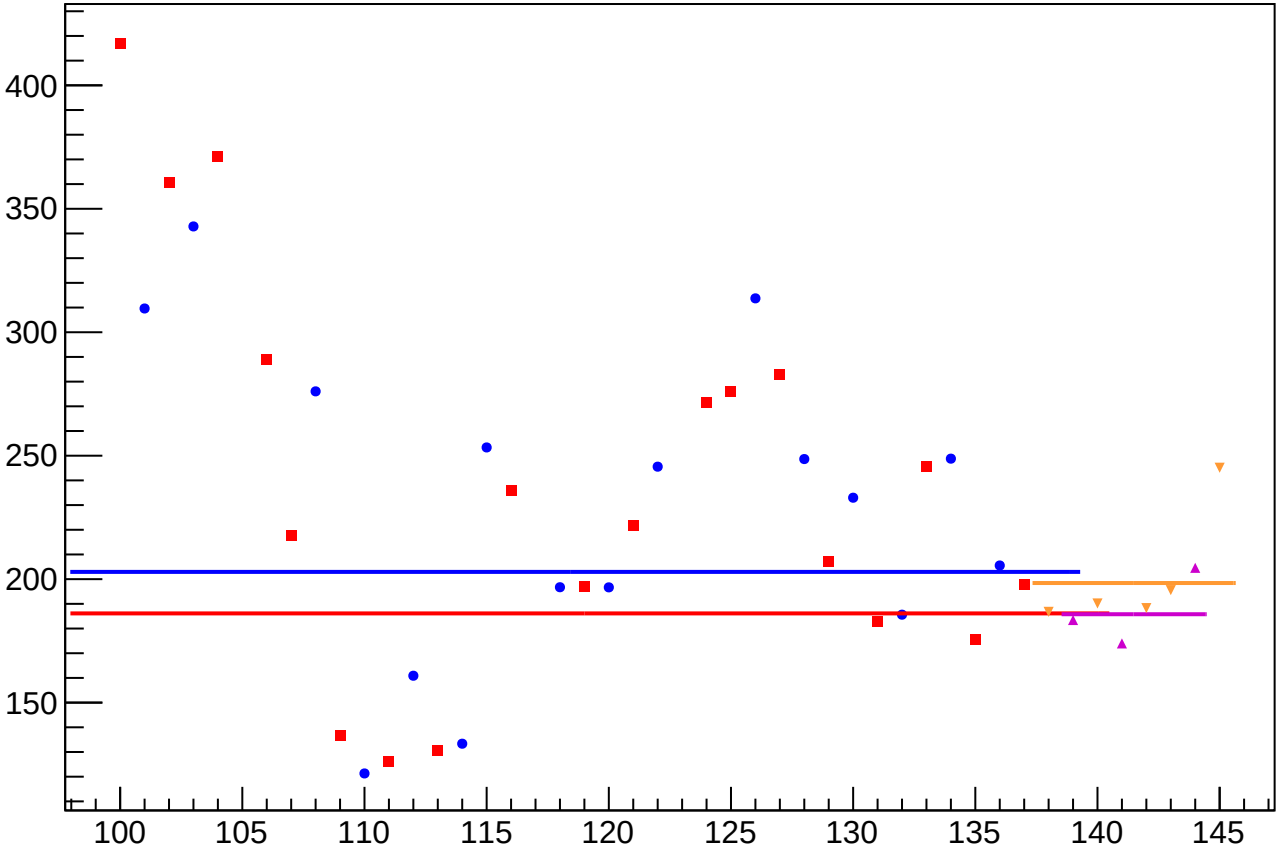
Left In: 399.743+/-115.787 χ^2/NDF:20.3/2

+ sign 516.231+/-63.652 χ^2/NDF: 630.6/20

All: 702.973+/-44.335 χ^2/NDF: 1183.8/42

- sign 878.938+/-61.788 χ^2/NDF: 536.6/21

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

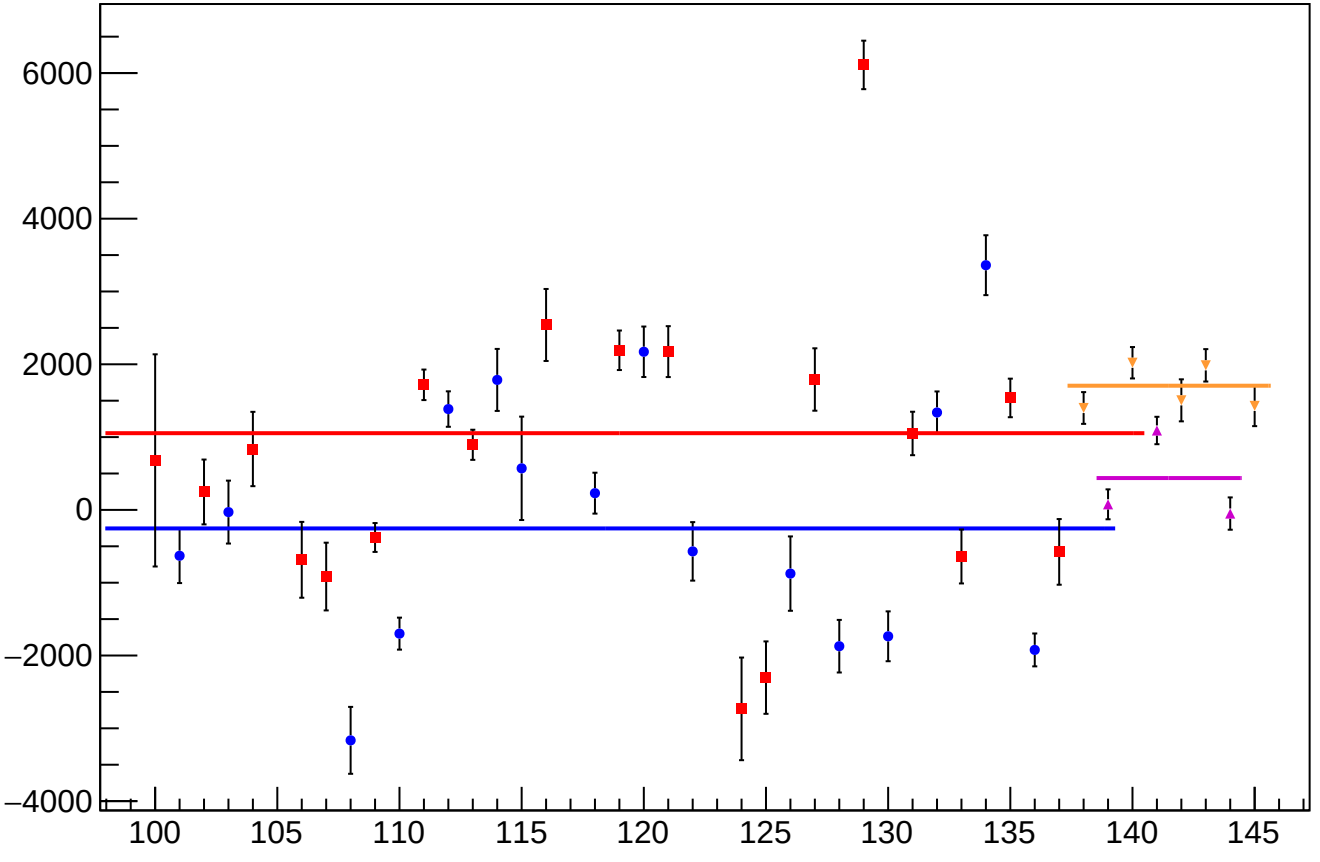
Left In: 185.795+/-0.082 χ^2/NDF:23358.9/2

+ sign 201.297+/-0.045 χ^2/NDF: 1144008.6/20

All: 193.439+/-0.031 χ^2/NDF: 2708254.0/42

- sign 186.034+/-0.044 χ^2/NDF: 1505035.2/21

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

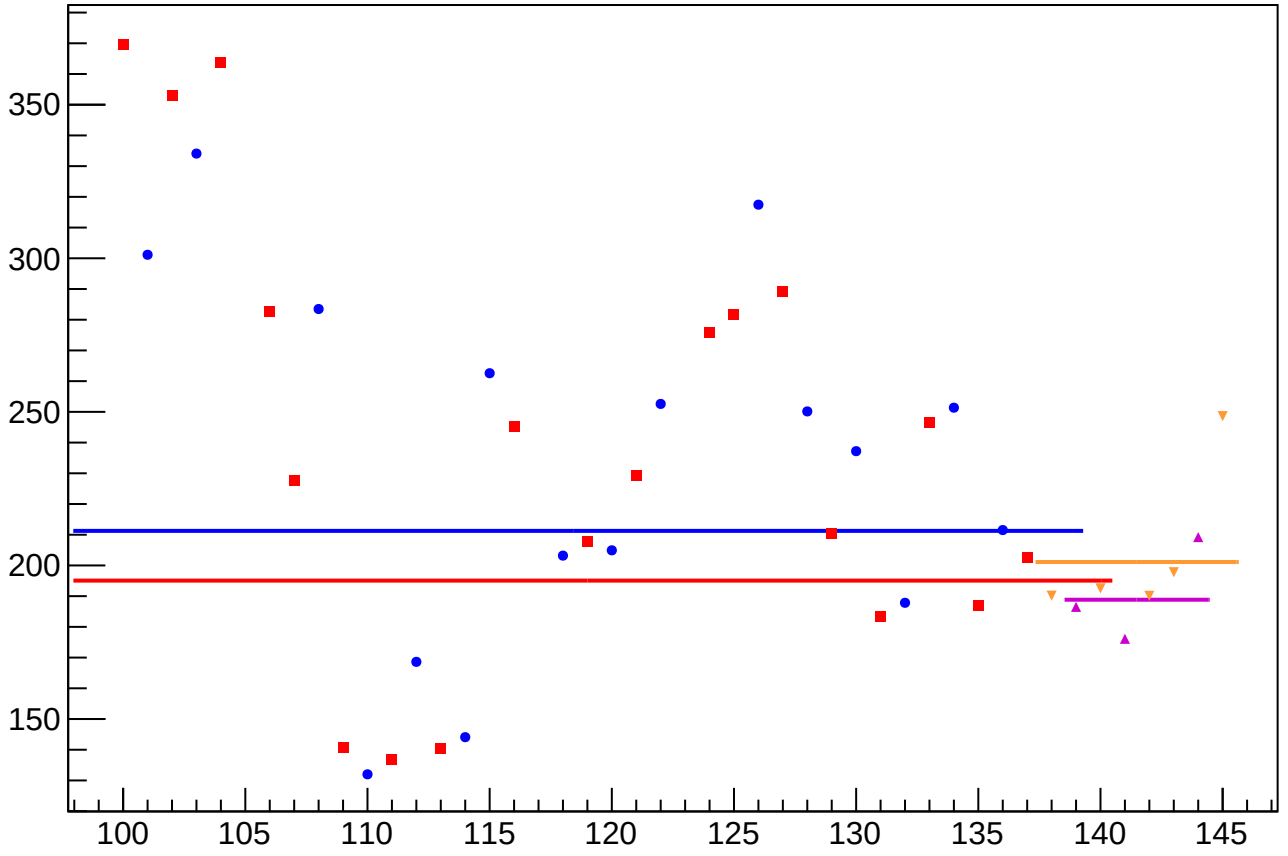
Left In: 437.377+/-117.685 χ^2/NDF:20.0/2

+ sign 477.899+/-65.286 χ^2/NDF: 627.4/20

All: 679.629+/-45.639 χ^2/NDF: 1163.1/42

- sign 872.436+/-63.826 χ^2/NDF: 517.0/21

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

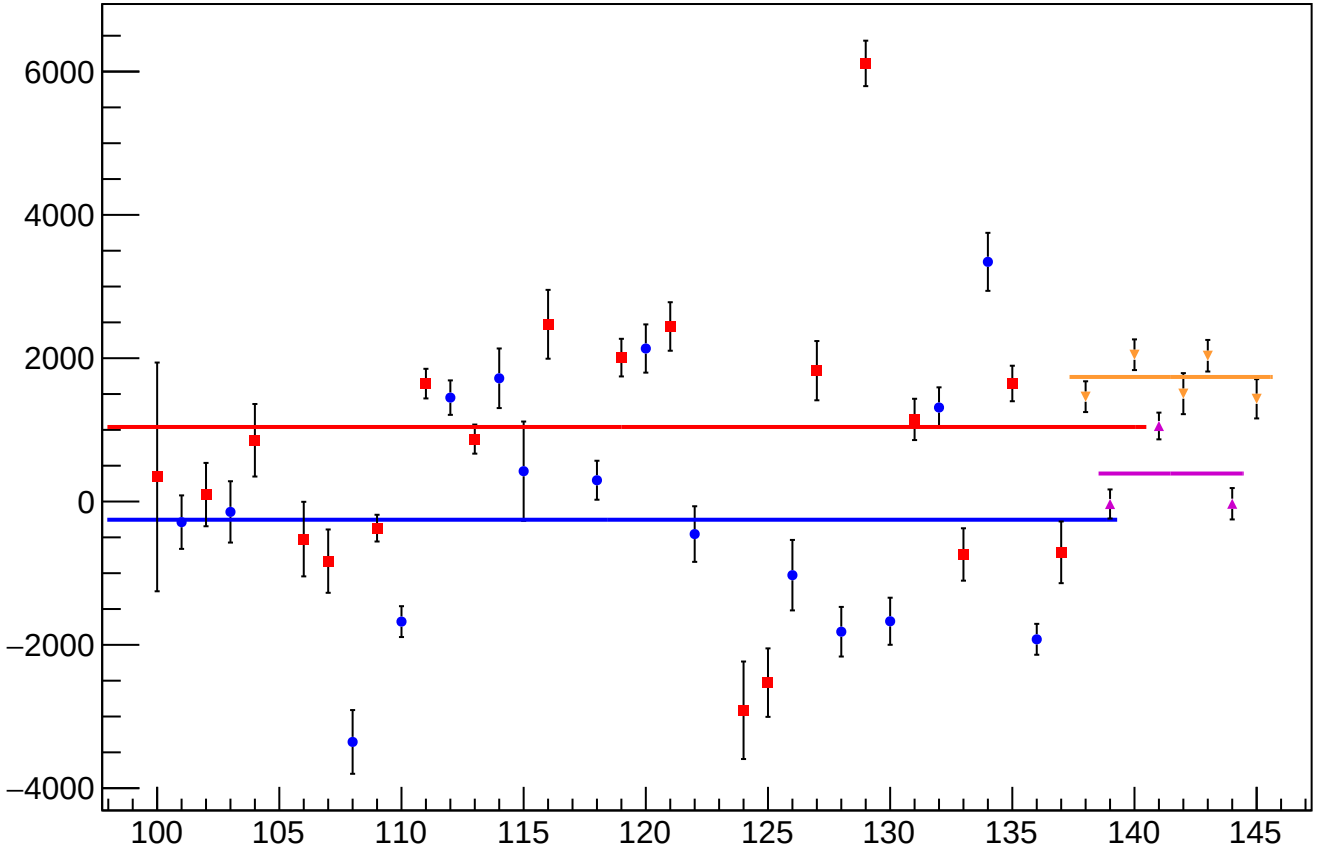
Left In: 188.839+/-0.083 χ^2/NDF:26275.0/2

+ sign 207.466+/-0.046 χ^2/NDF: 965552.2/20

All: 200.188+/-0.032 χ^2/NDF: 2329272.2/42

- sign 193.231+/-0.045 χ^2/NDF: 1315100.7/21

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

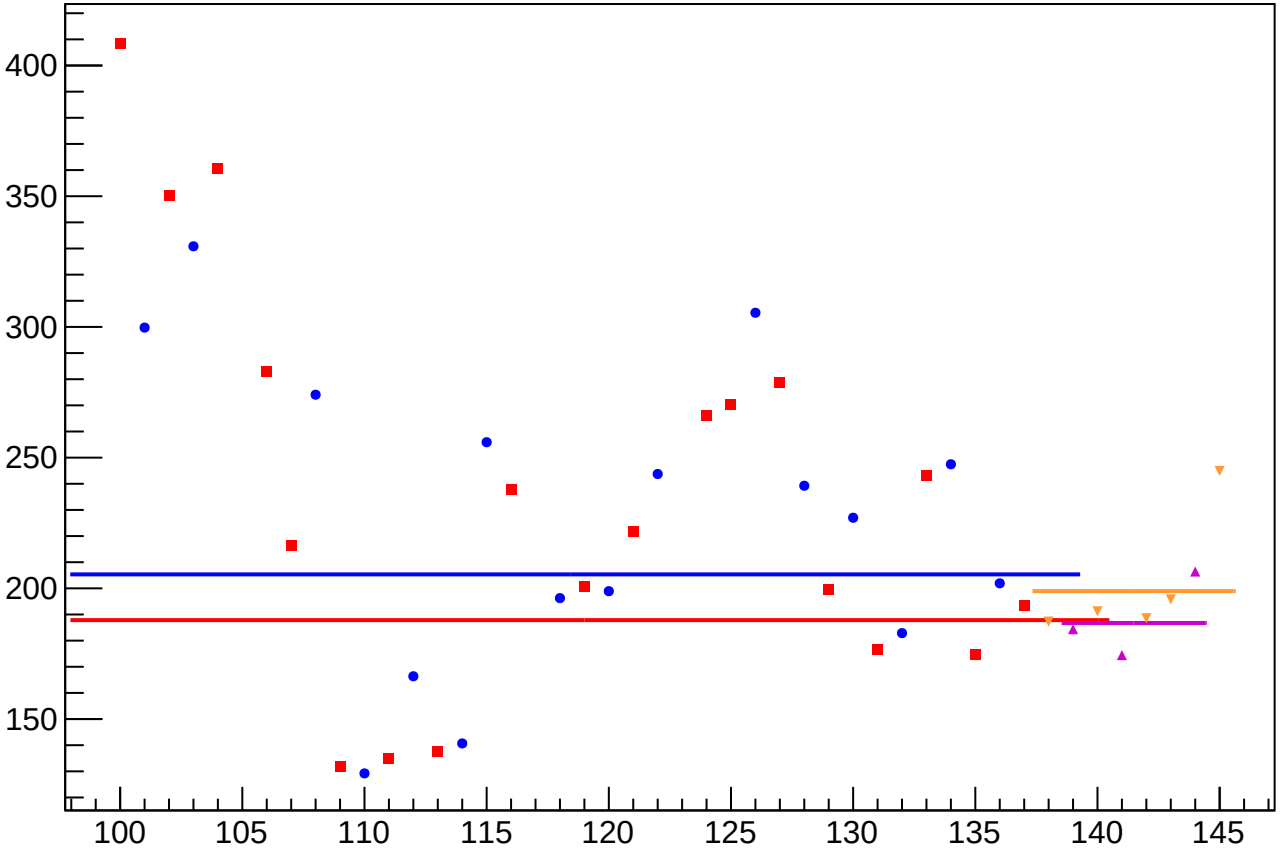
Left In: 390.702+/-116.395 χ^2/NDF:20.7/2

+ sign 474.452+/-63.894 χ^2/NDF: 665.0/20

All: 670.590+/-44.519 χ^2/NDF: 1259.8/42

- sign 855.652+/-62.064 χ^2/NDF: 576.4/21

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

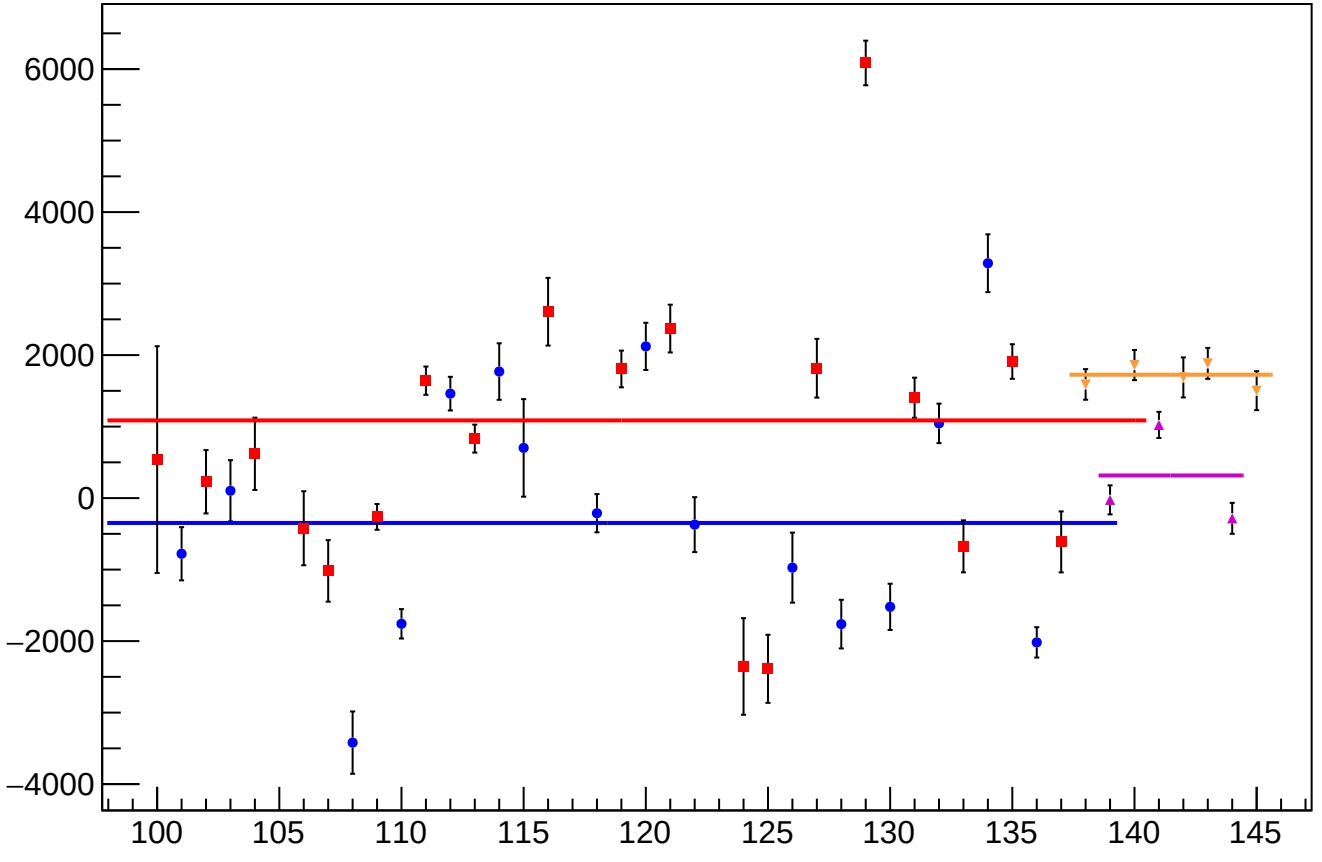
Left In: 186.757+/-0.082 χ^2/NDF:25101.8/2

+ sign 202.999+/-0.045 χ^2/NDF: 949829.2/20

All: 195.044+/-0.031 χ^2/NDF: 2372363.8/42

- sign 187.538+/-0.044 χ^2/NDF: 1362277.1/21

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

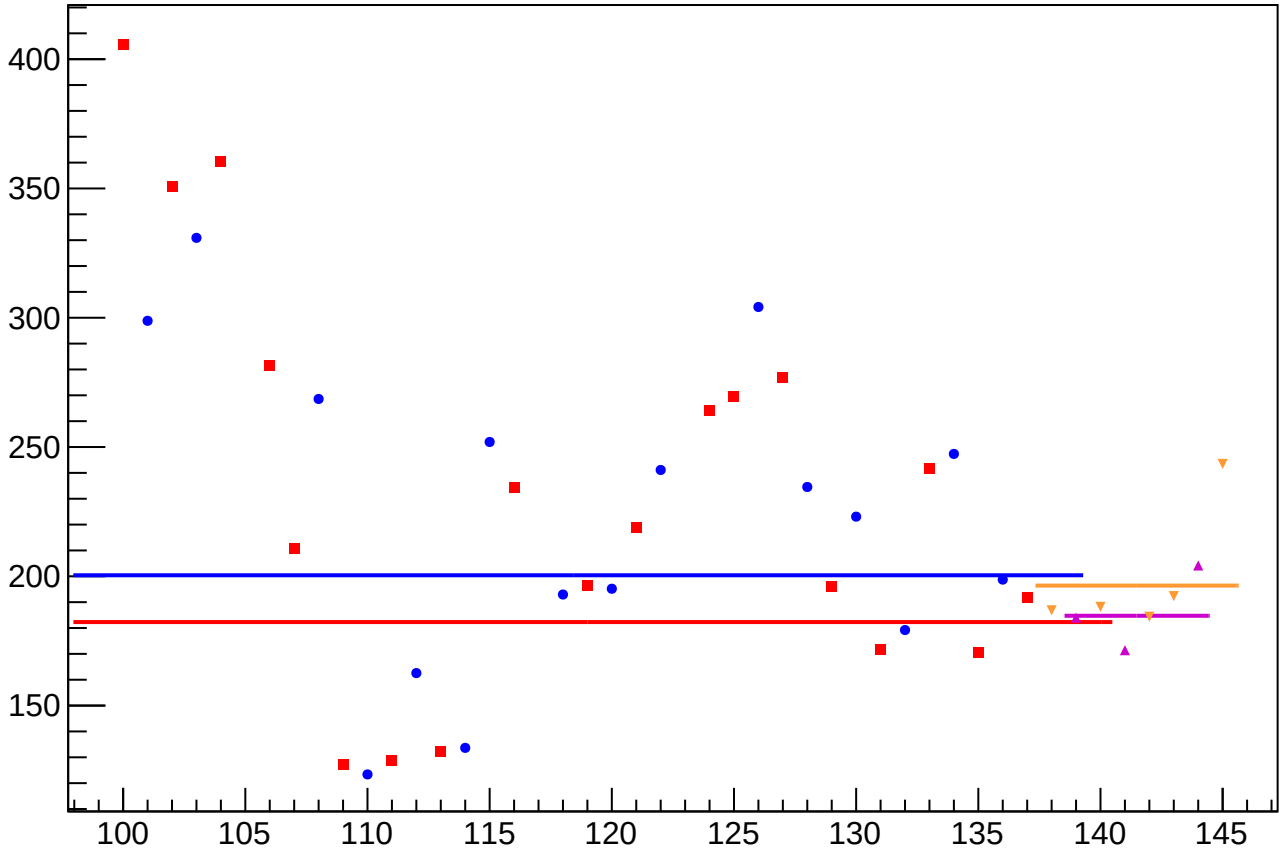
Left In: 316.411+/-115.161 χ^2/NDF:25.4/2

+ sign 402.519+/-62.759 χ^2/NDF: 699.7/20

All: 644.911+/-43.656 χ^2/NDF: 1313.5/42

- sign 872.171+/-60.768 χ^2/NDF: 584.9/21

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

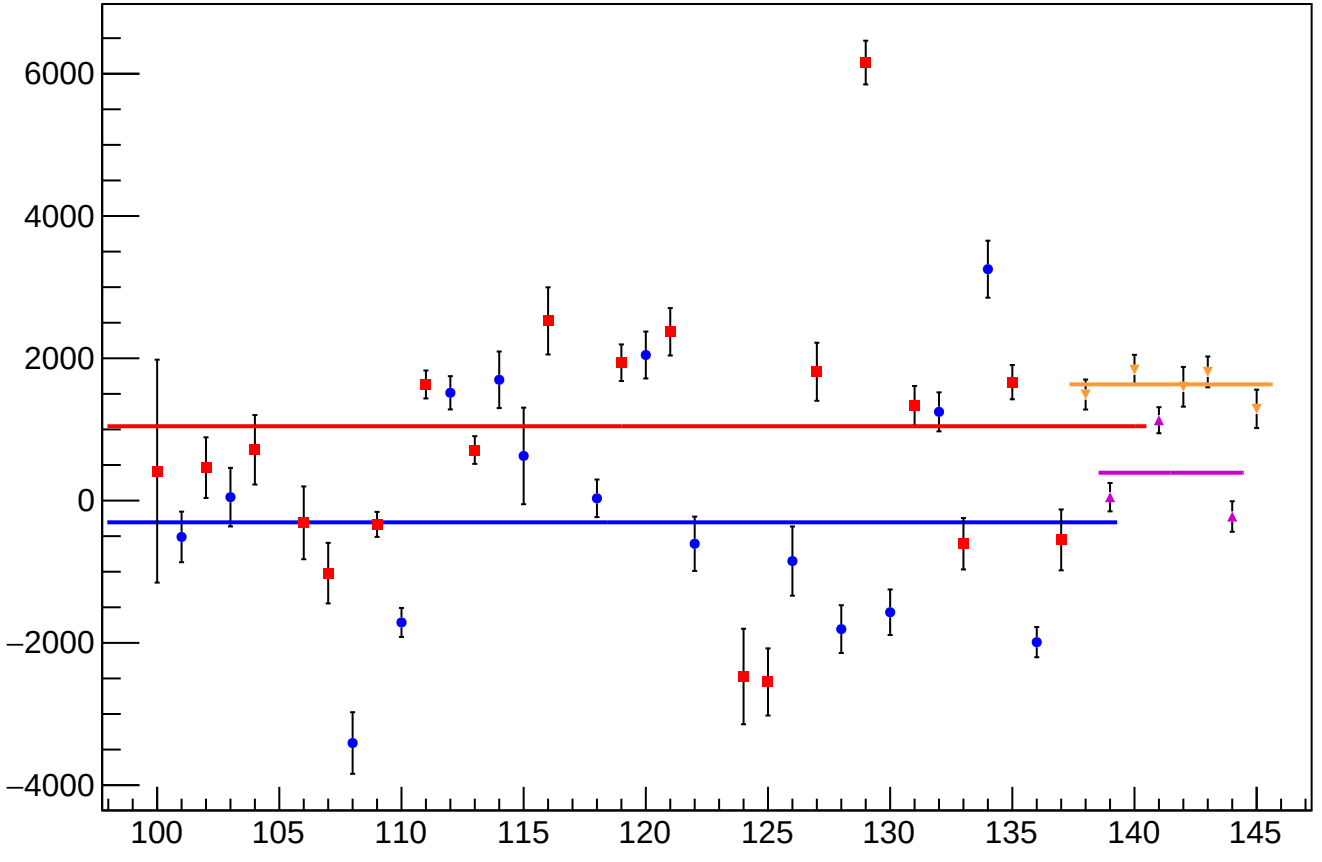
Left In: 184.736+/-0.081 χ^2/NDF:26722.9/2

+ sign 198.955+/-0.044 χ^2/NDF: 1031966.4/20

All: 190.710+/-0.031 χ^2/NDF: 2573418.2/42

- sign 182.979+/-0.043 χ^2/NDF: 1474564.9/21

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

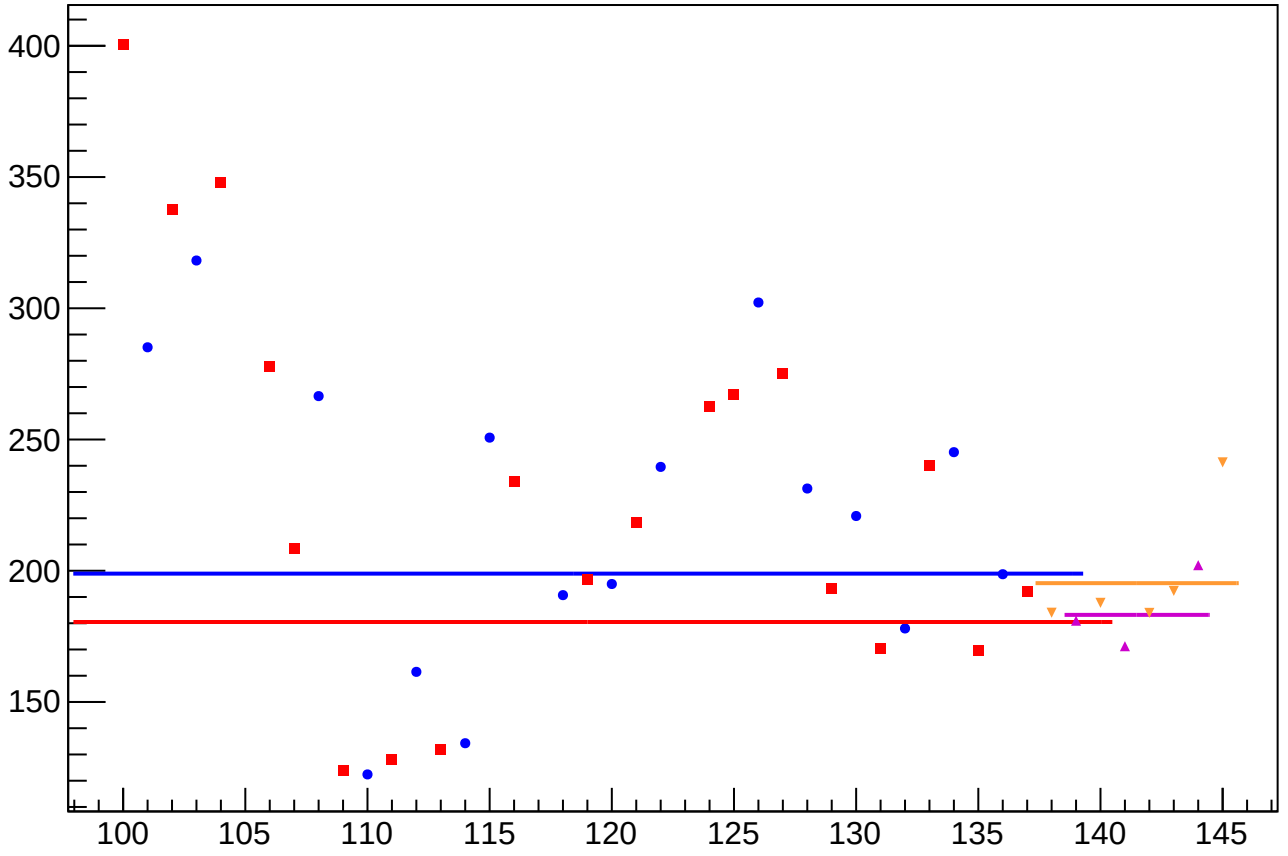
Left In: 391.760+/-114.213 χ^2/NDF:27.4/2

+ sign 393.376+/-62.273 χ^2/NDF: 679.1/20

All: 636.522+/-43.278 χ^2/NDF: 1311.8/42

- sign 863.678+/-60.190 χ^2/NDF: 603.2/21

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

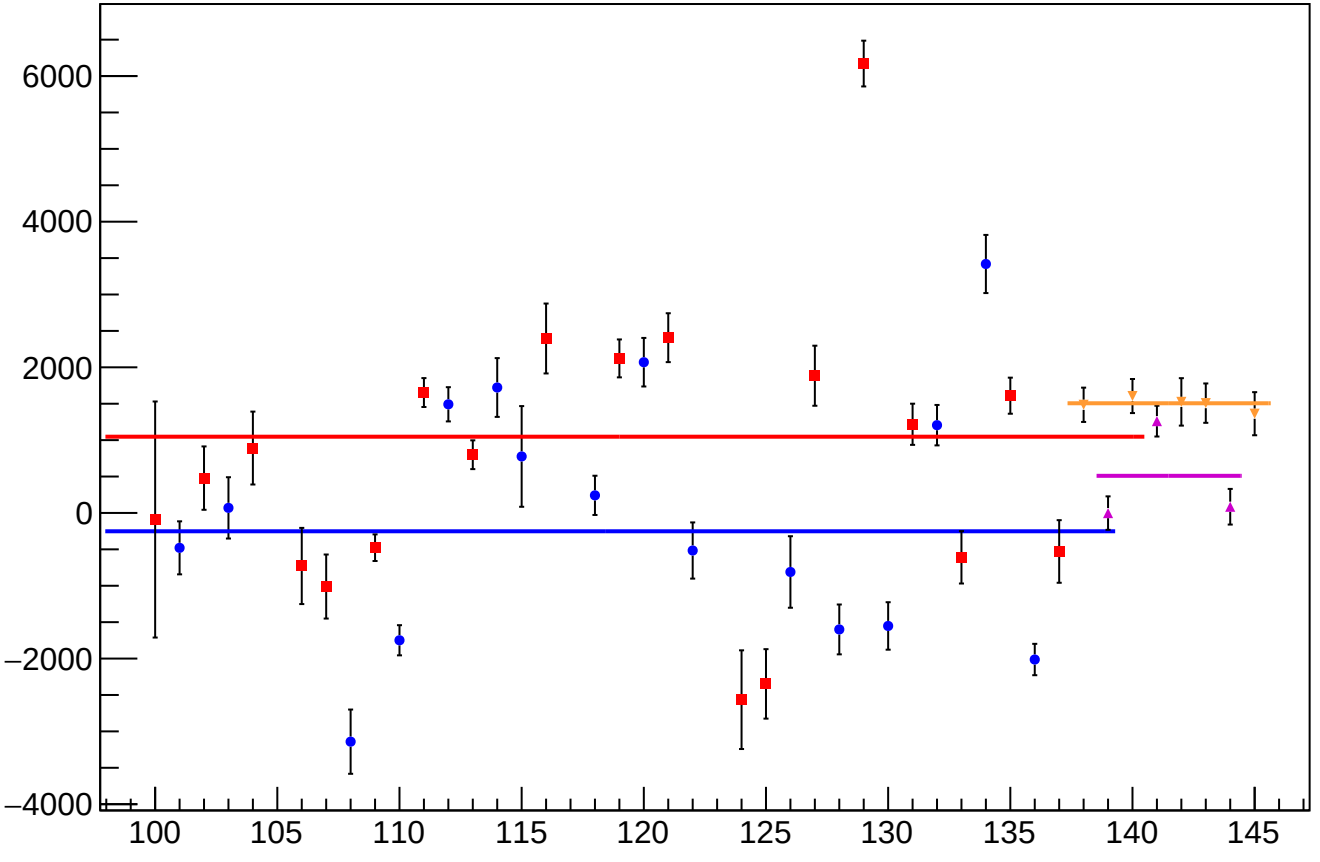
Left In: 183.188+/-0.081 χ^2/NDF:24336.8/2

+ sign 197.594+/-0.044 χ^2/NDF: 984330.0/20

All: 189.132+/-0.031 χ^2/NDF: 2515347.7/42

- sign 181.227+/-0.043 χ^2/NDF: 1459588.8/21

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

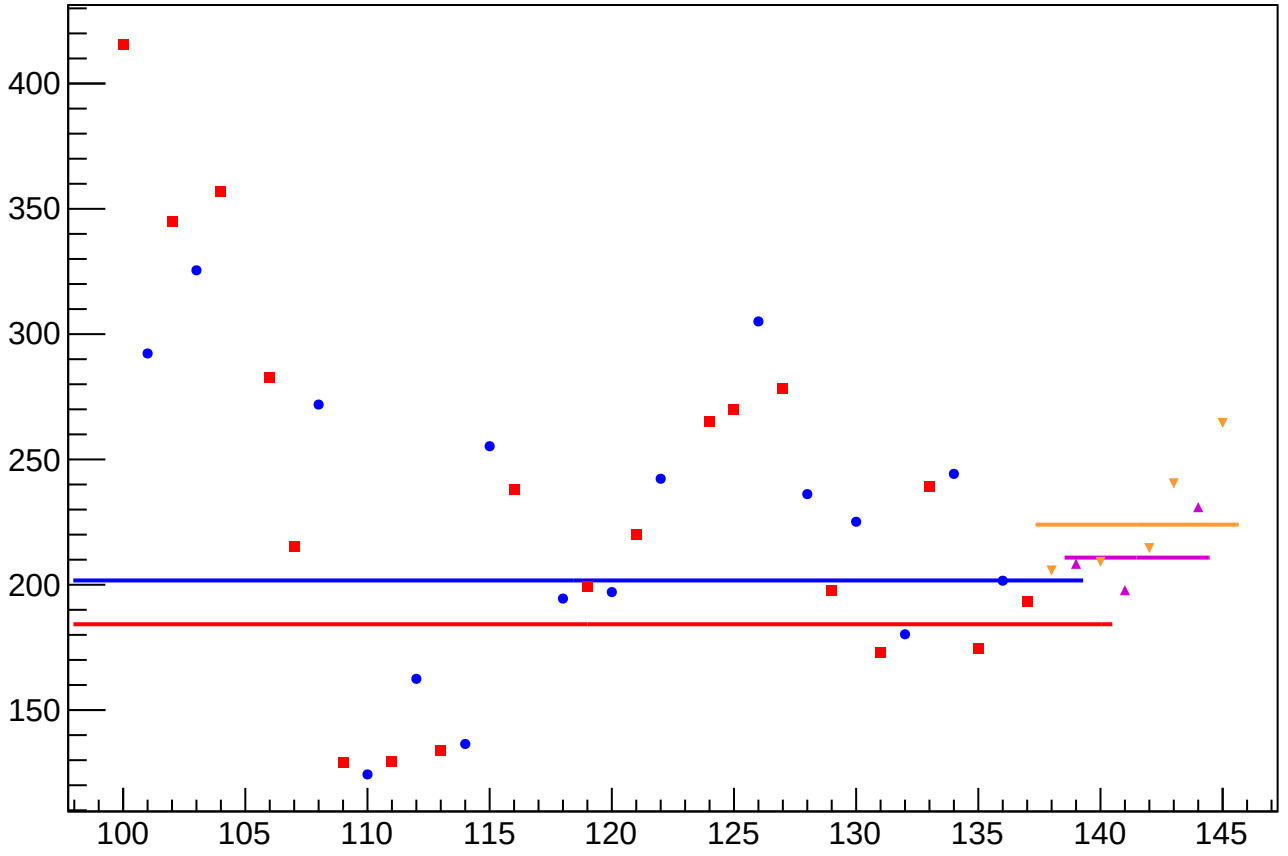
Left In: 509.847+/-131.383 χ^2/NDF:20.6/2

+ sign 286.787+/-65.774 χ^2/NDF: 593.5/20

All: 617.001+/-45.598 χ^2/NDF: 1222.1/42

- sign 922.537+/-63.268 χ^2/NDF: 580.1/21

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

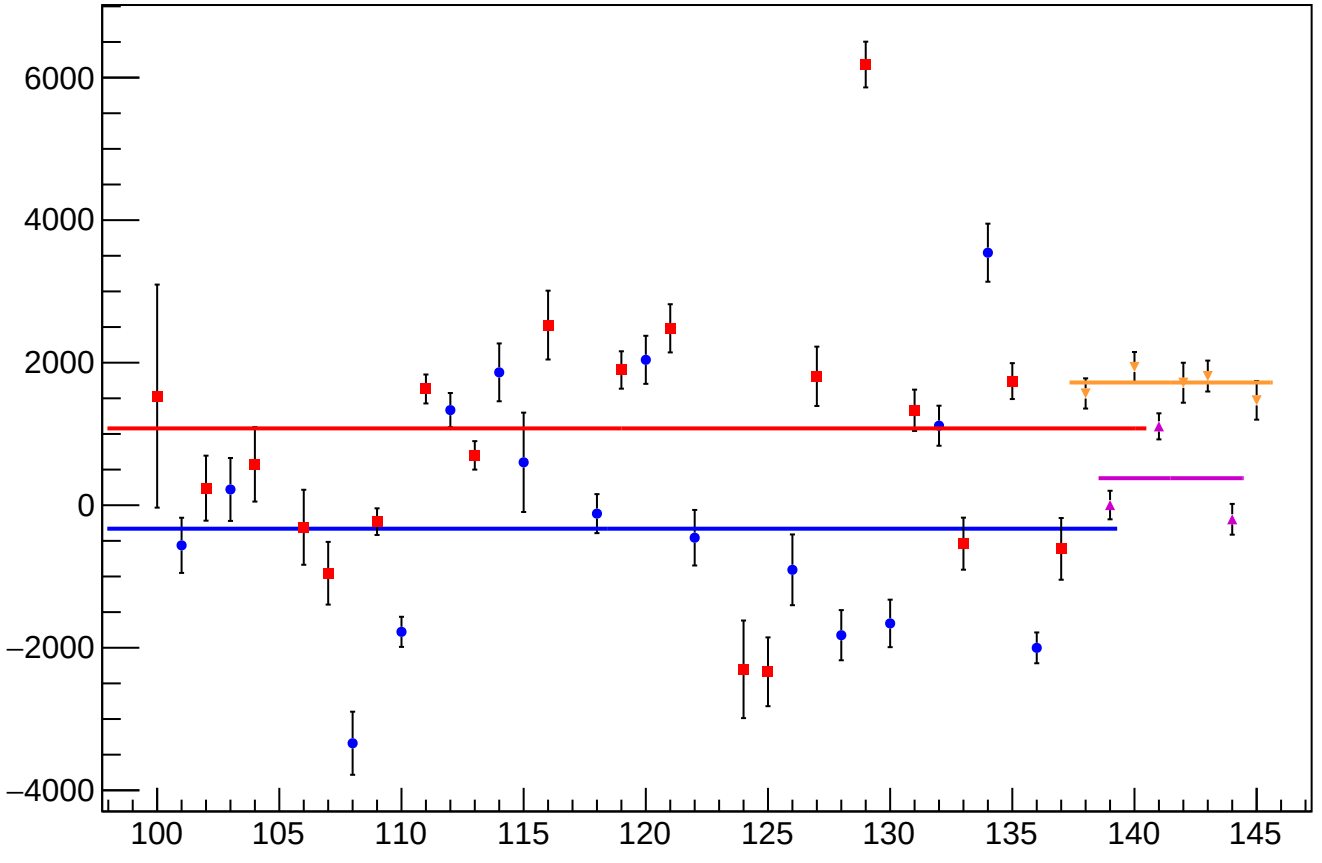
Left In: 210.828+/-0.093 χ^2/NDF:21268.5/2

+ sign 208.534+/-0.047 χ^2/NDF: 1039681.2/20

All: 199.120+/-0.032 χ^2/NDF: 2606496.6/42

- sign 190.409+/-0.045 χ^2/NDF: 1487926.4/21

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

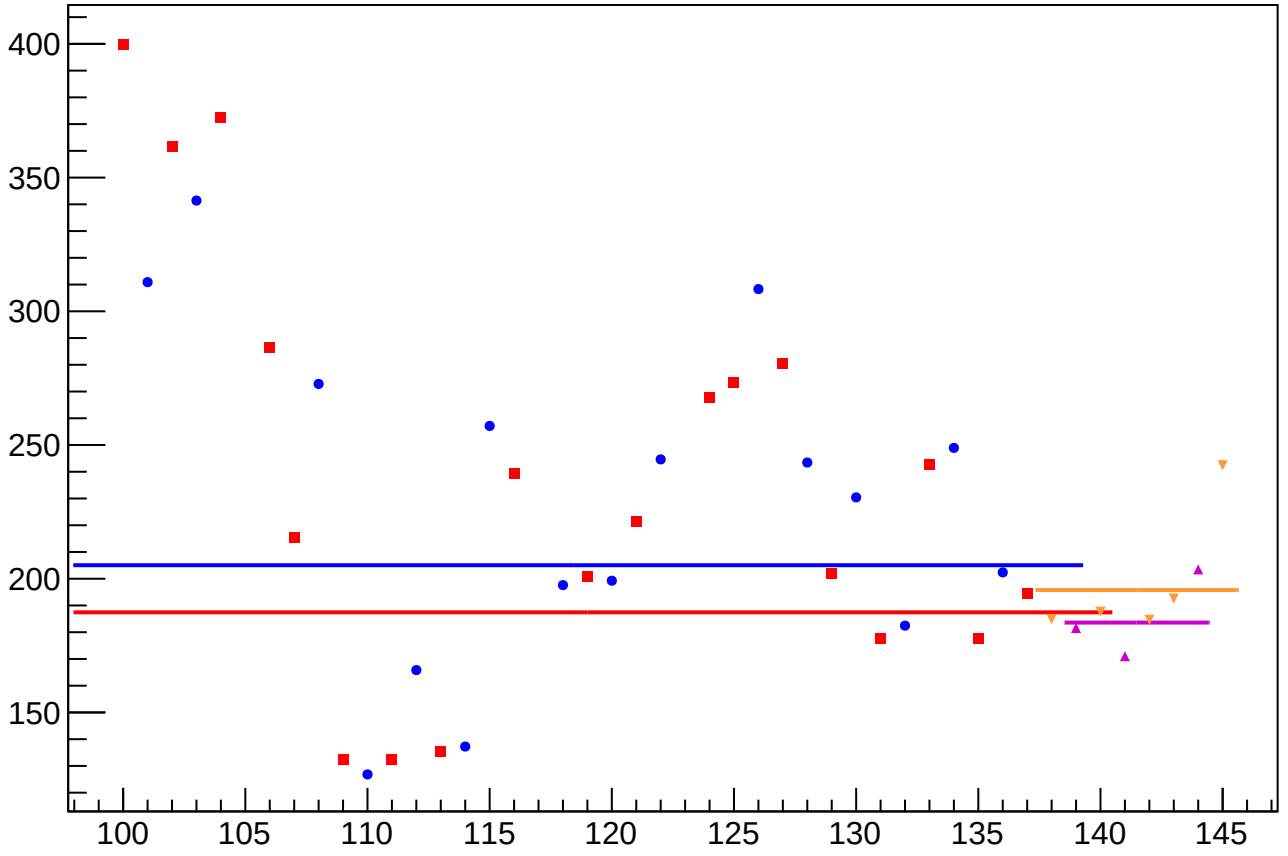
Left In: 379.172+/-114.490 χ^2/NDF:26.5/2

\+ sign 437.272+/-63.599 χ^2/NDF: 682.5/20

All: 662.091+/-44.319 χ^2/NDF: 1261.7/42

\- sign 874.334+/-61.794 χ^2/NDF: 554.9/21

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

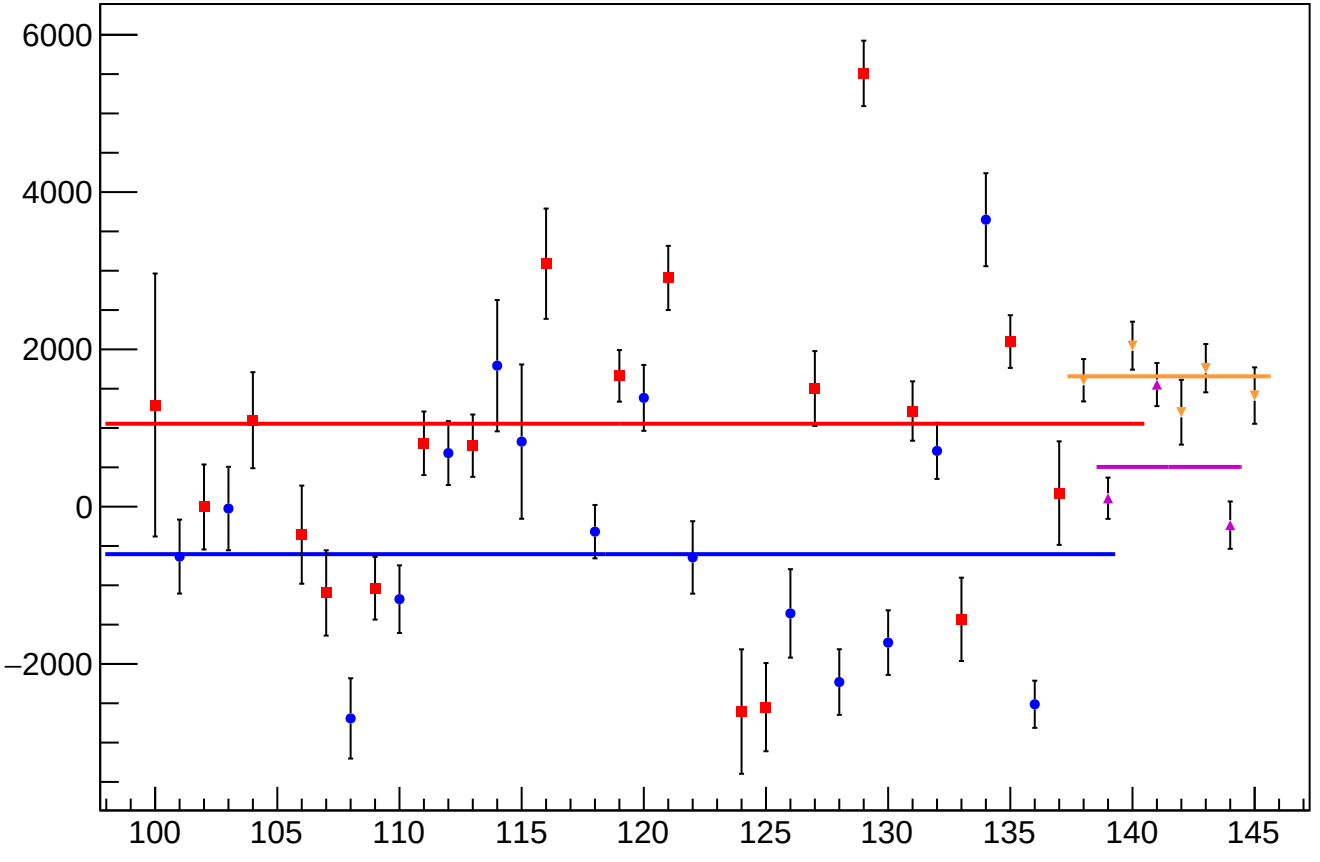
Left In: 183.605+/-0.081 χ^2/NDF:26643.1/2

+ sign 201.582+/-0.045 χ^2/NDF: 1043978.7/20

All: 193.730+/-0.031 χ^2/NDF: 2542276.9/42

- sign 186.317+/-0.044 χ^2/NDF: 1439028.2/21

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

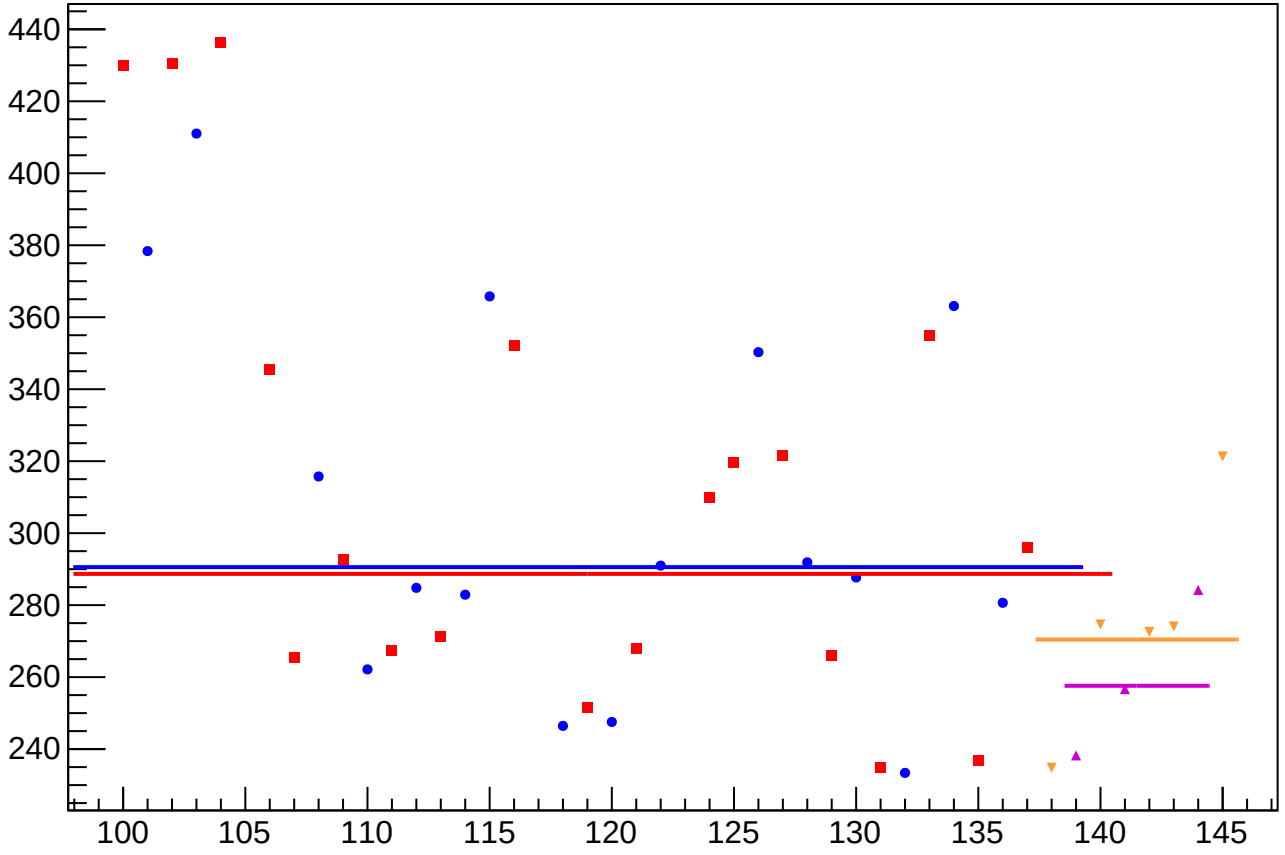
Left In: 505.252+/-160.302 χ^2/NDF:23.0/2

+ sign 242.555+/-87.560 χ^2/NDF: 353.2/20

All: 554.732+/-62.664 χ^2/NDF: 708.0/42

- sign 882.488+/-89.719 χ^2/NDF: 328.7/21

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

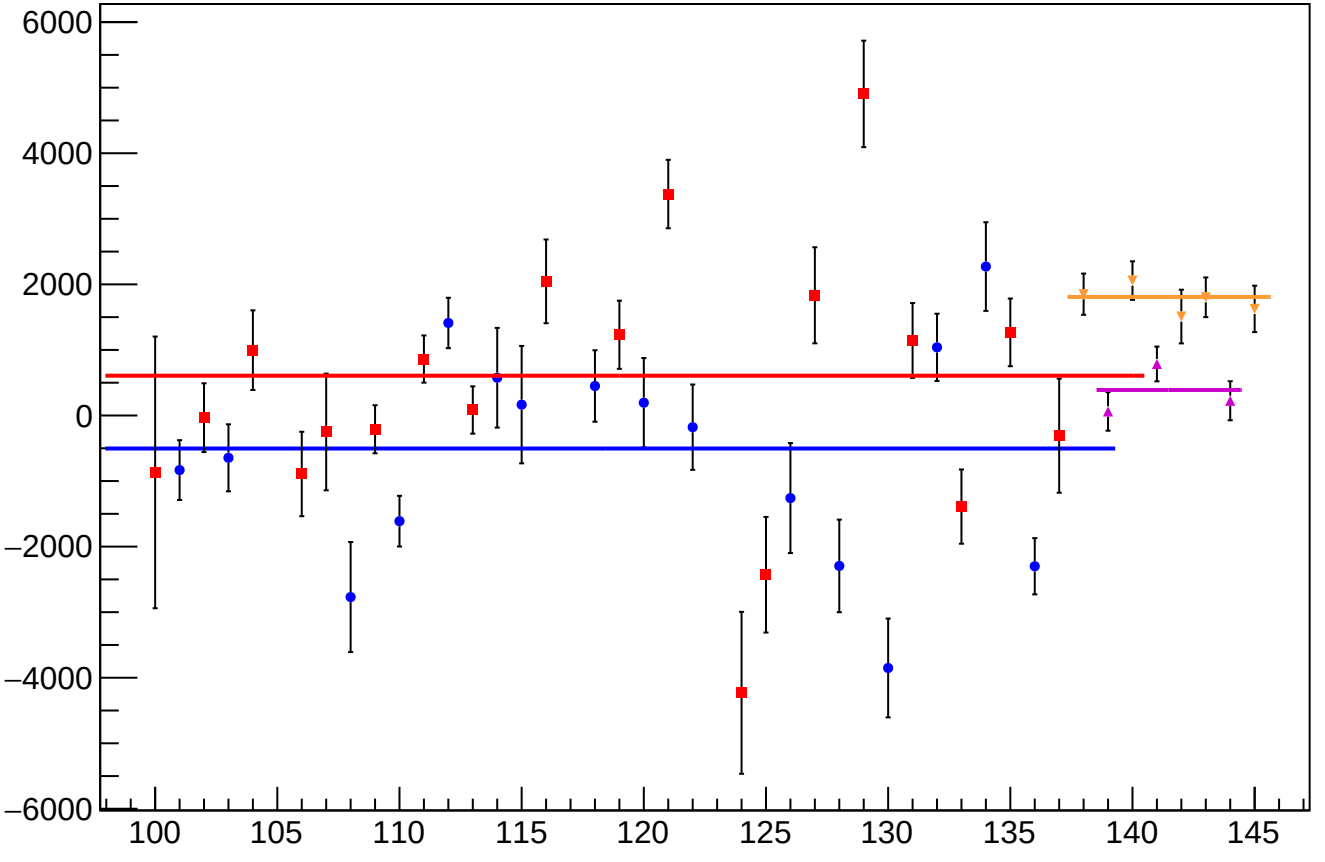
Left In: 257.595+/-0.113 χ^2/NDF:26561.4/2

+ sign 283.037+/-0.062 χ^2/NDF: 460482.9/20

All: 281.042+/-0.044 χ^2/NDF: 1029934.2/42

- sign 278.947+/-0.063 χ^2/NDF: 567322.7/21

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

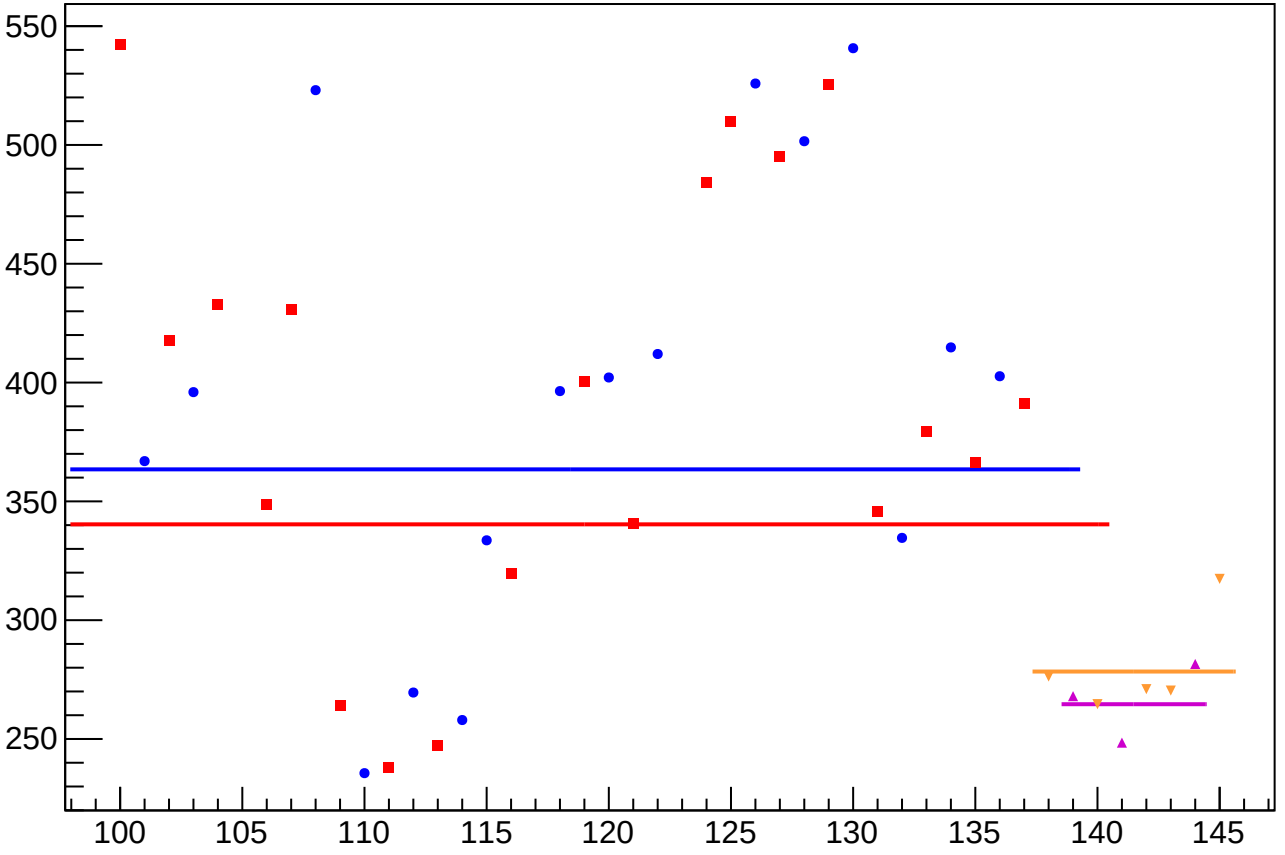
Left In: 389.219+/-164.184 χ^2/NDF:3.8/2

+ sign 599.824+/-101.261 χ^2/NDF: 249.8/20

All: 561.747+/-71.768 χ^2/NDF: 380.1/42

- sign 523.315+/-101.731 χ^2/NDF: 130.0/21

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

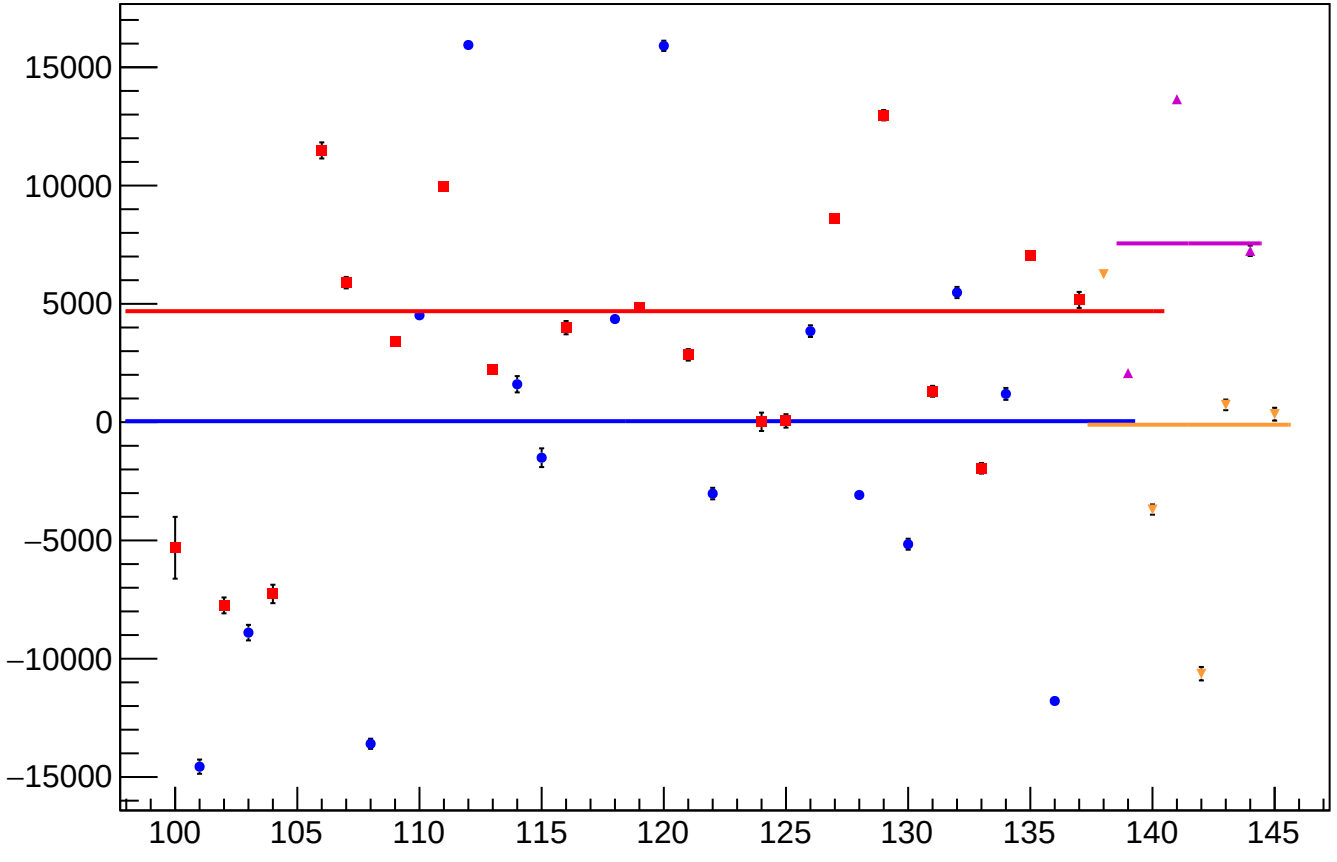
Left In: 264.634+/-0.116 χ^2/NDF:14186.1/2

\+ sign 322.861+/-0.072 χ^2/NDF: 1163998.5/20

All: 317.092+/-0.051 χ^2/NDF: 2309380.4/42

\- sign 311.270+/-0.072 χ^2/NDF: 1132340.9/21

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

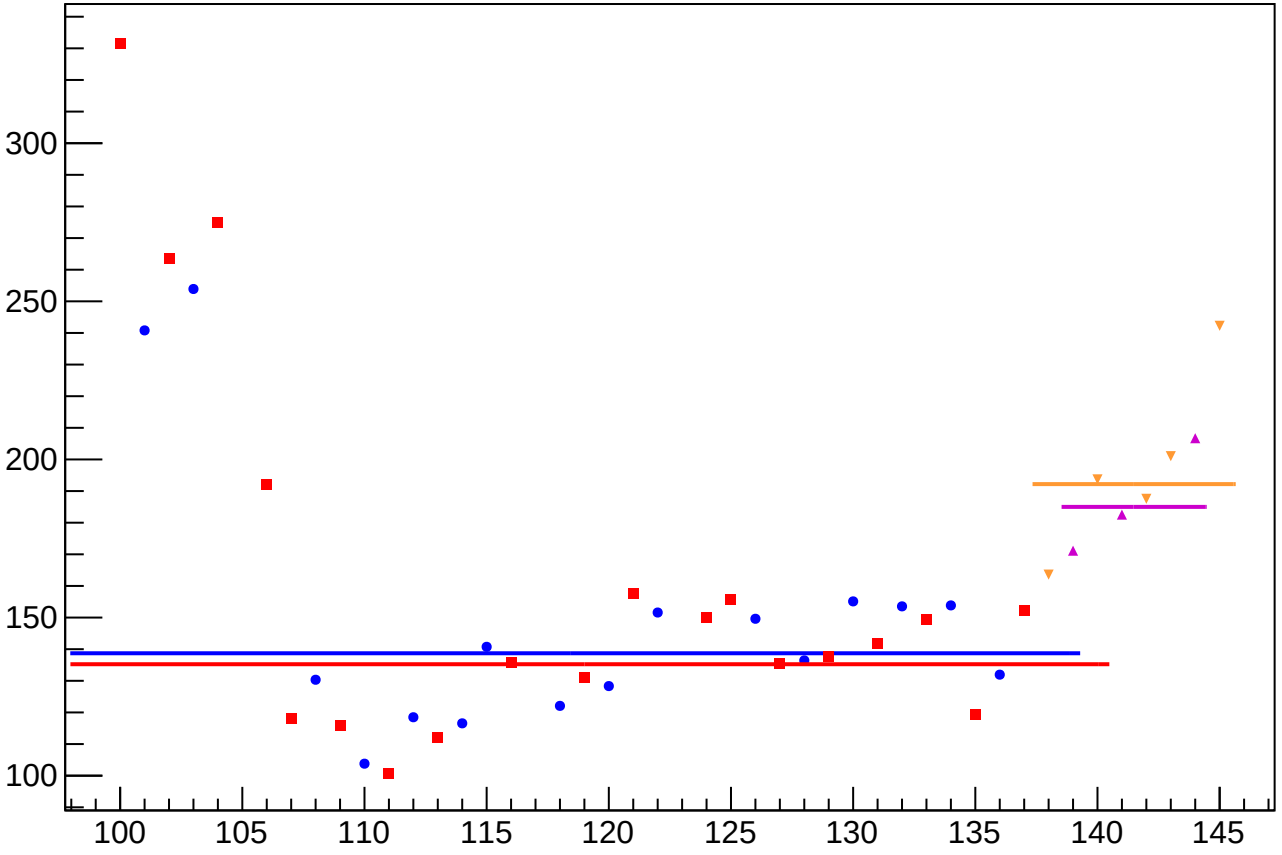
Left In: 7555.031+/-115.432 χ^2/NDF:1818.5/2

+ sign 8.116+/-47.878 χ^2/NDF: 33615.6/20

All: 2612.732+/-33.715 χ^2/NDF: 49611.9/42

- sign 5174.555+/-47.483 χ^2/NDF: 10126.1/21

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

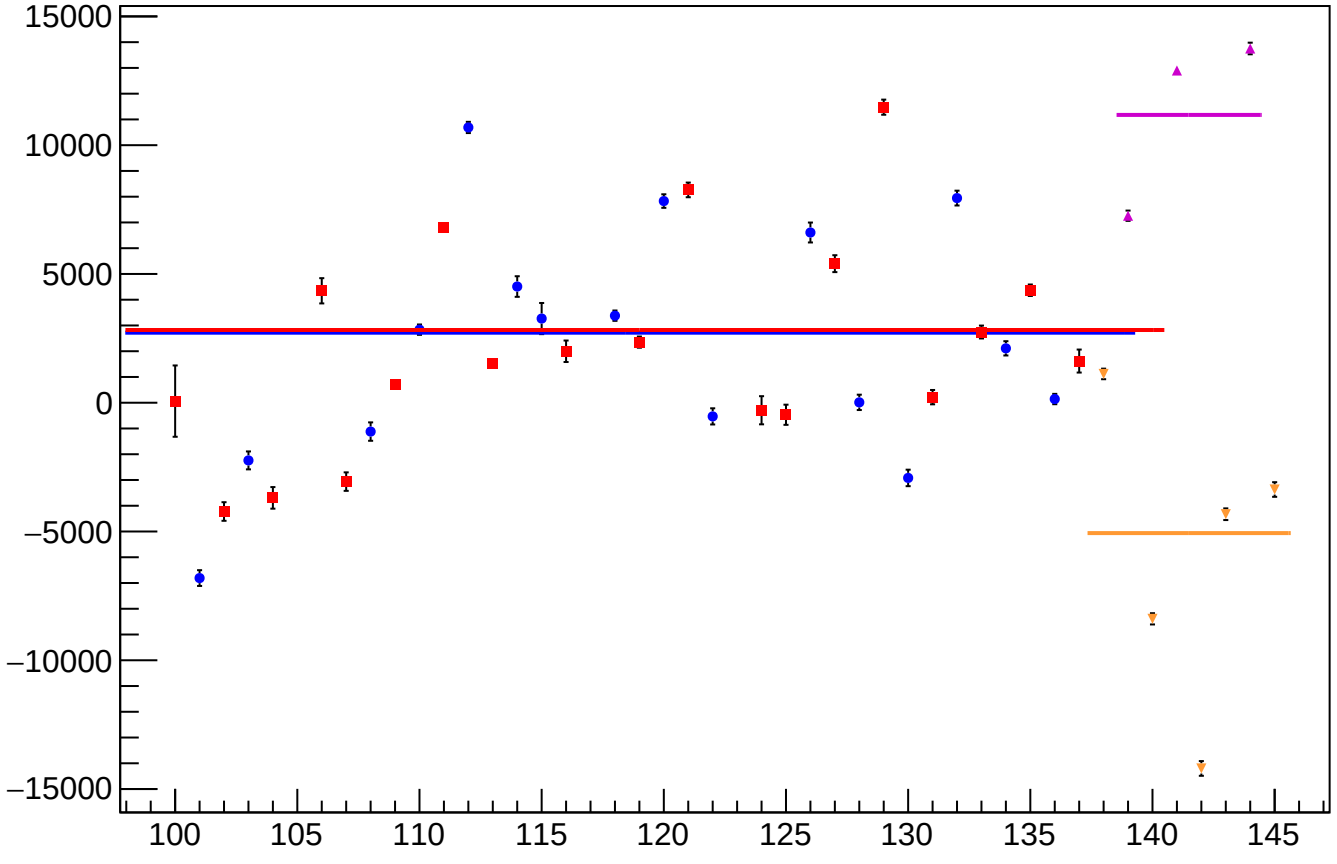
Left In: 184.998+/-0.082 χ^2/NDF:30670.9/2

+ sign 150.460+/-0.034 χ^2/NDF: 1204705.6/20

All: 147.034+/-0.024 χ^2/NDF: 2454393.9/42

- sign 143.664+/-0.034 χ^2/NDF: 1229373.6/21

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

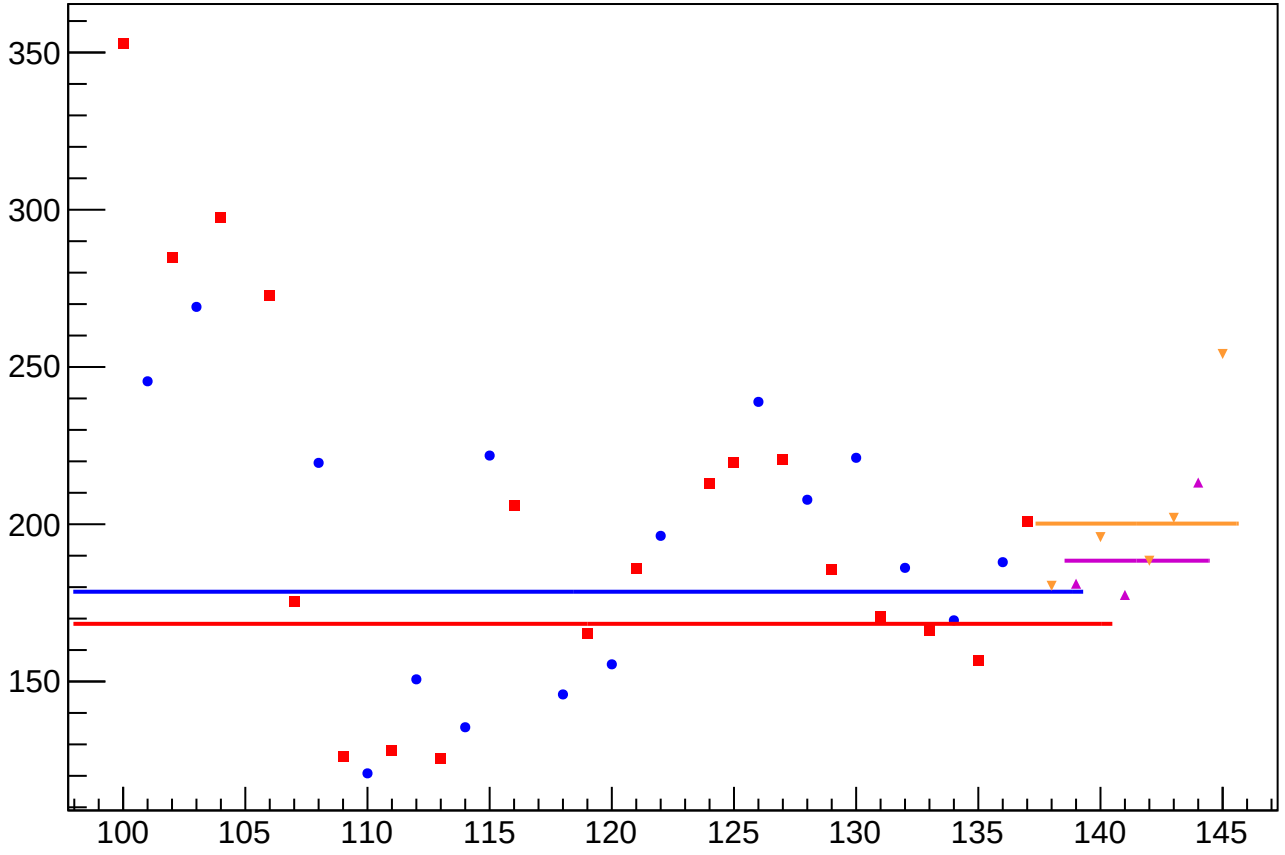
Left In: 11175.302+/-117.395 χ^2/NDF:598.6/2

+ sign 396.639+/-57.996 χ^2/NDF: 10105.9/20

All: 2633.490+/-40.567 χ^2/NDF: 20557.6/42

- sign 4776.363+/-56.765 χ^2/NDF: 7539.1/21

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

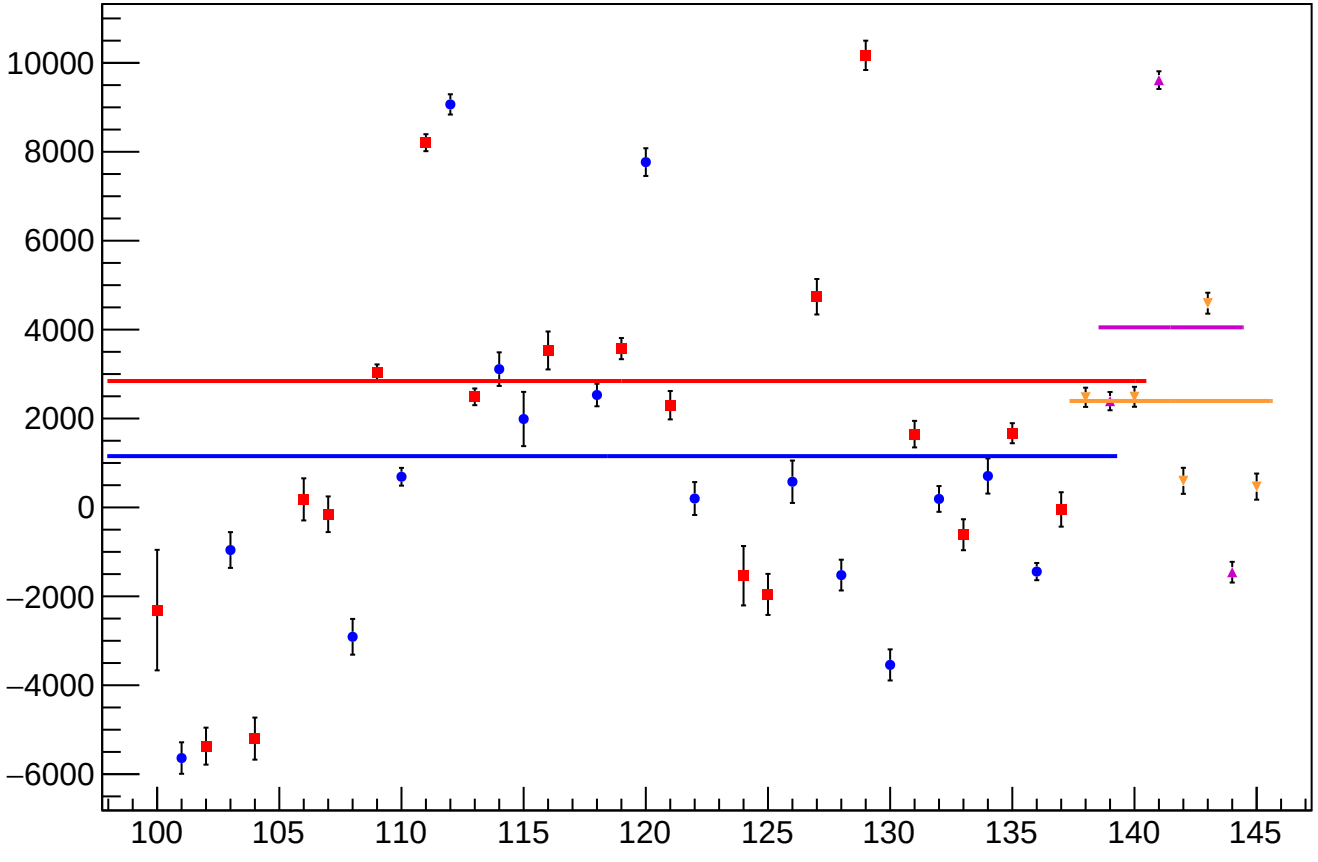
Left In: 188.409+/-0.083 χ^2/NDF:33476.2/2

+ sign 185.009+/-0.041 χ^2/NDF: 827950.3/20

All: 178.890+/-0.029 χ^2/NDF: 1929307.6/42

- sign 173.028+/-0.040 χ^2/NDF: 1057770.8/21

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

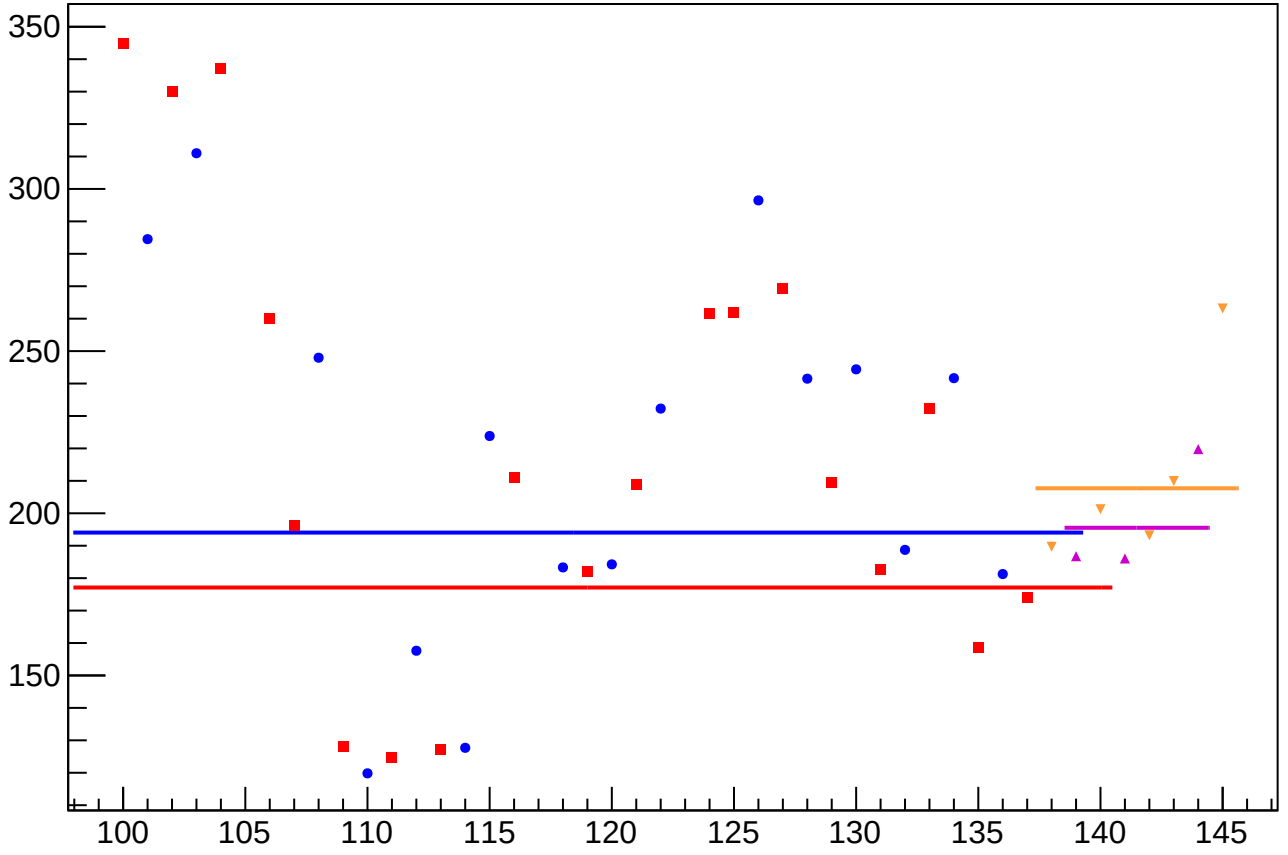
Left In: 4050.917+/-121.771 χ^2/NDF:1407.4/2

+ sign 1554.161+/-62.523 χ^2/NDF: 2909.7/20

All: 2377.136+/-43.337 χ^2/NDF: 7178.0/42

- sign 3138.149+/-60.124 χ^2/NDF: 3934.8/21

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

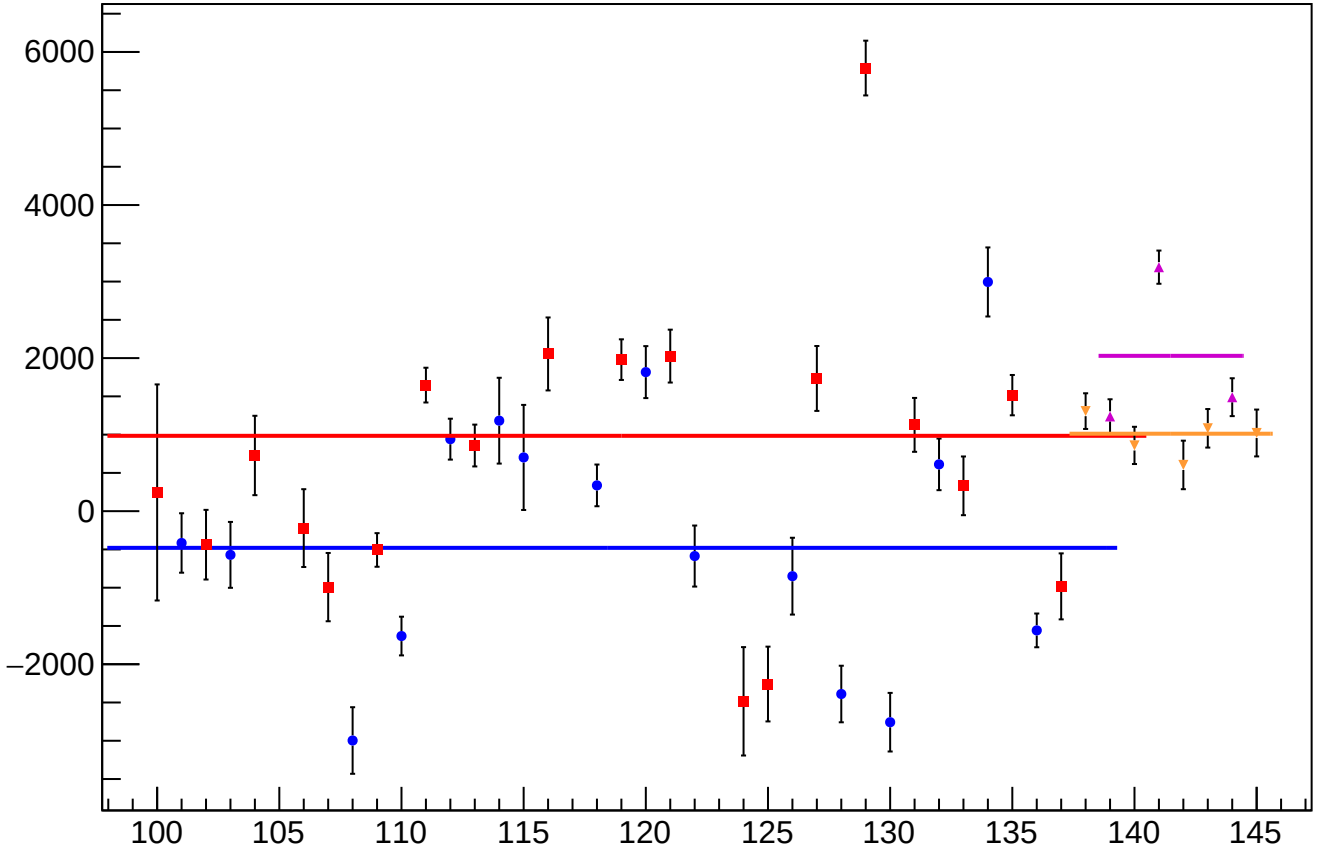
Left In: 195.534+/-0.086 χ^2/NDF:29890.8/2

+ sign 198.455+/-0.044 χ^2/NDF: 1078458.1/20

All: 189.701+/-0.031 χ^2/NDF: 2577765.0/42

- sign 181.605+/-0.043 χ^2/NDF: 1423839.0/21

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

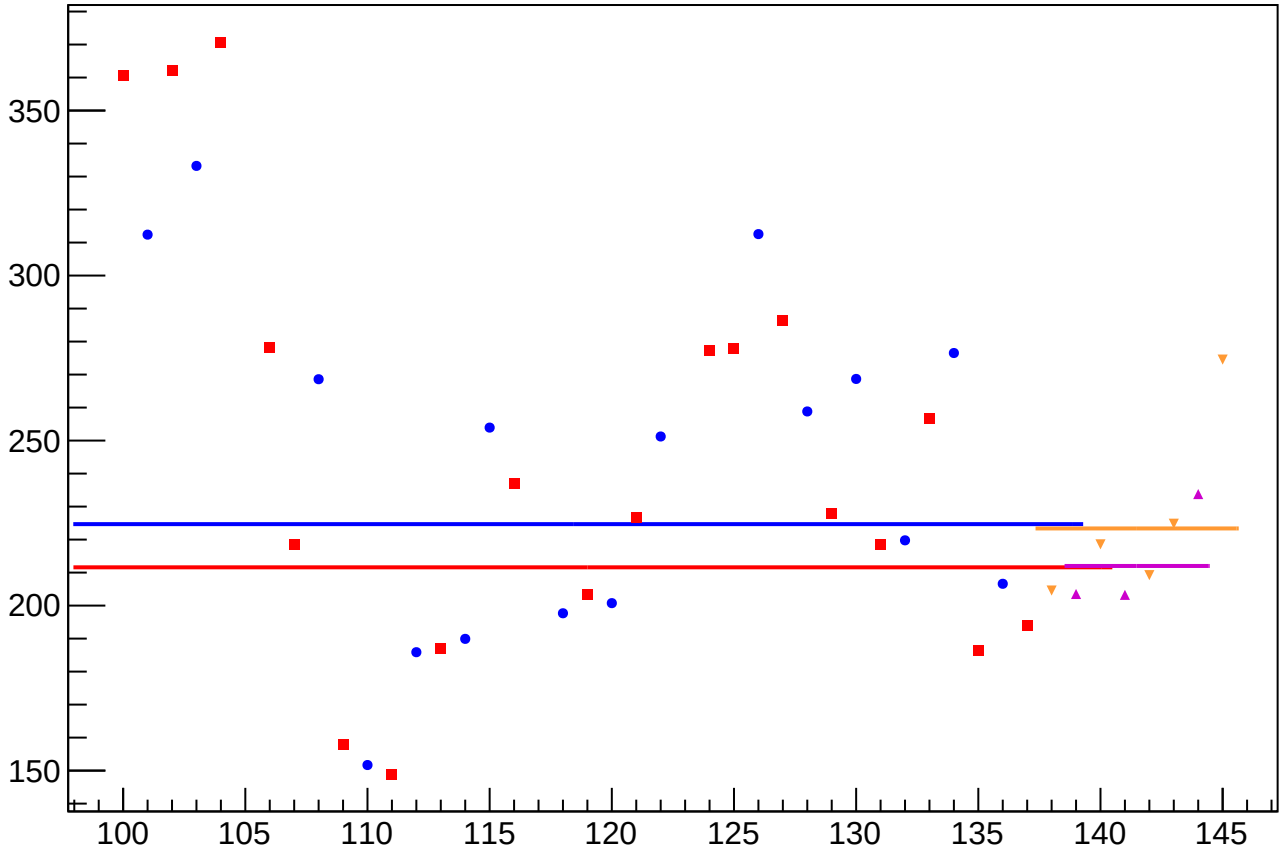
Left In: 2029.548+/-131.776 χ^2/NDF:45.8/2

\+ sign 42.878+/-69.881 χ^2/NDF: 412.8/20

All: 664.869+/-49.089 χ^2/NDF: 1058.8/42

\- sign 1270.792+/-68.972 χ^2/NDF: 489.6/21

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

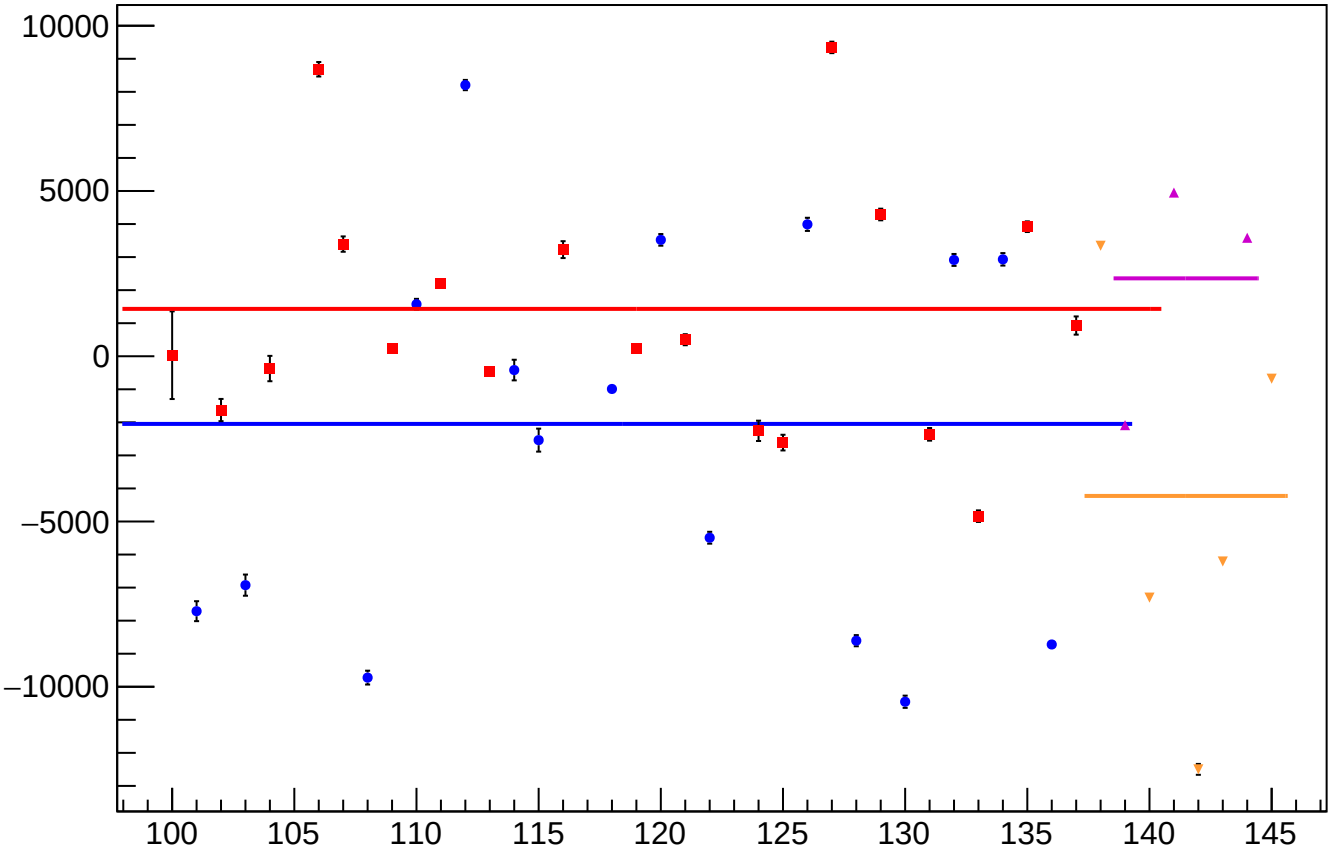
Left In: 212.007+/-0.093 χ^2/NDF:21636.0/2

+ sign 224.225+/-0.049 χ^2/NDF: 727075.4/20

All: 217.885+/-0.035 χ^2/NDF: 1714134.3/42

- sign 211.708+/-0.049 χ^2/NDF: 954552.7/21

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

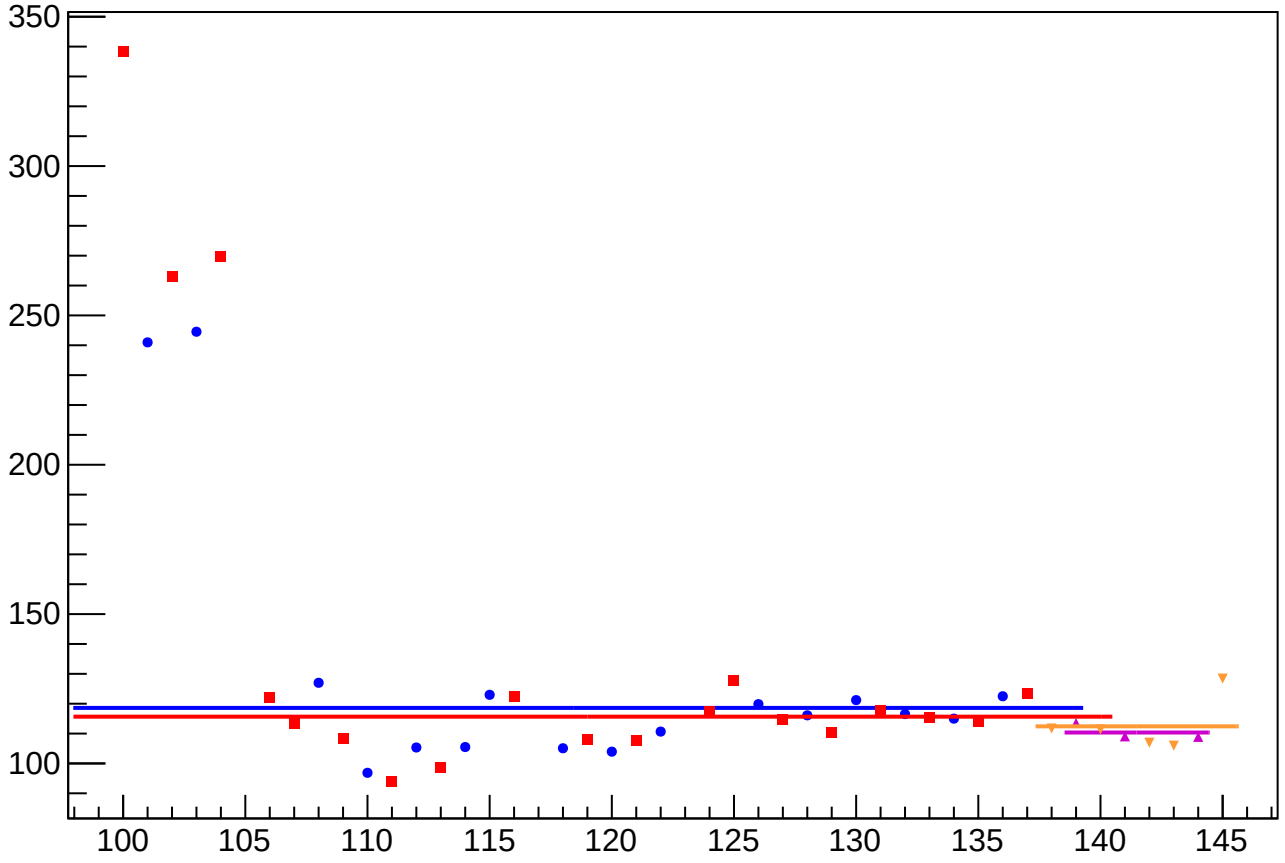
Left In: 2356.719+/-69.363 χ^2/NDF:1828.0/2

+ sign -2869.314+/-36.870 χ^2/NDF: 25038.5/20

All: -626.798+/-26.322 χ^2/NDF: 40924.2/42

- sign 1704.235+/-37.591 χ^2/NDF: 8341.1/21

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

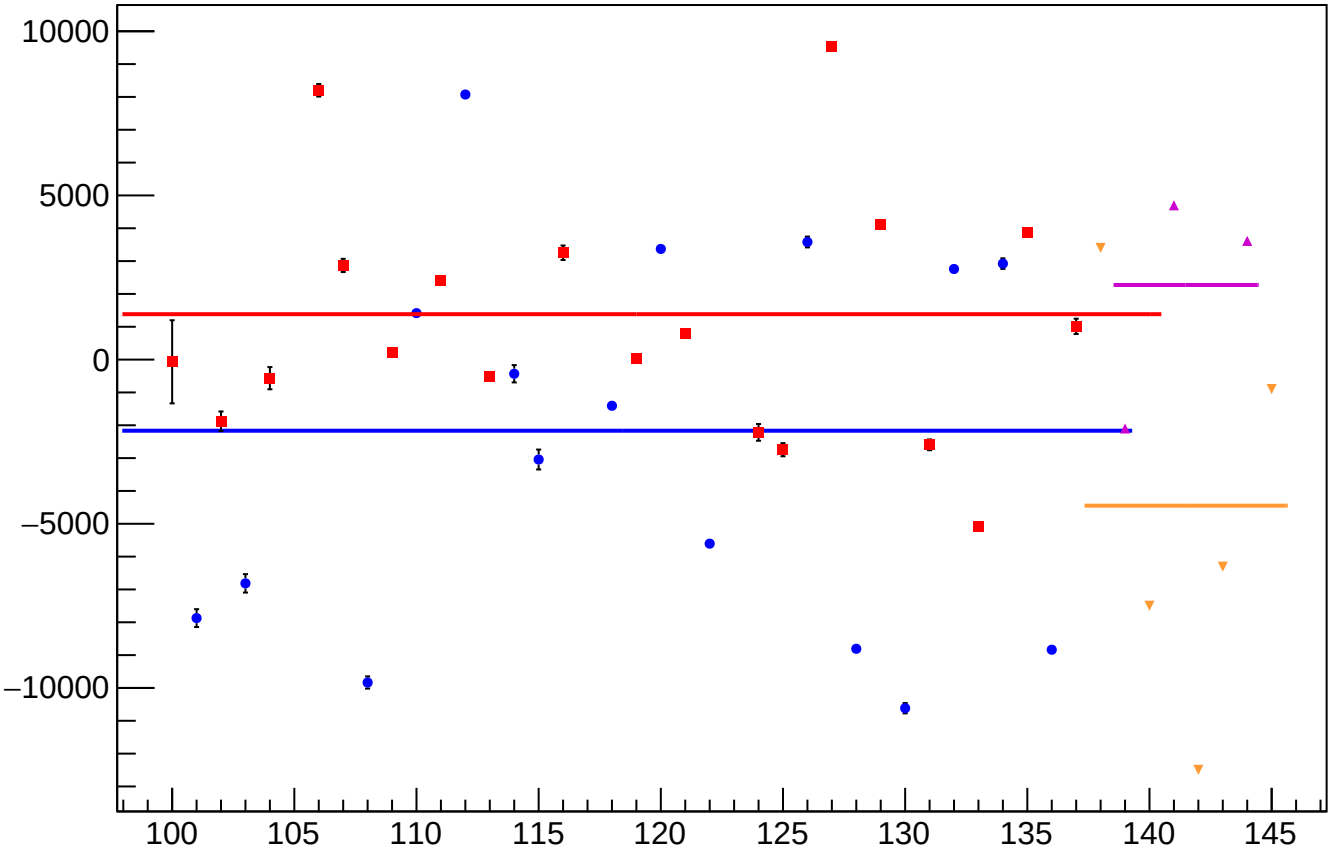
Left In: 110.353+/-0.049 χ^2/NDF:1824.0/2

\+ sign 116.267+/-0.026 χ^2/NDF: 779880.1/20

All: 115.205+/-0.019 χ^2/NDF: 1657560.1/42

\- sign 114.101+/-0.027 χ^2/NDF: 874297.3/21

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

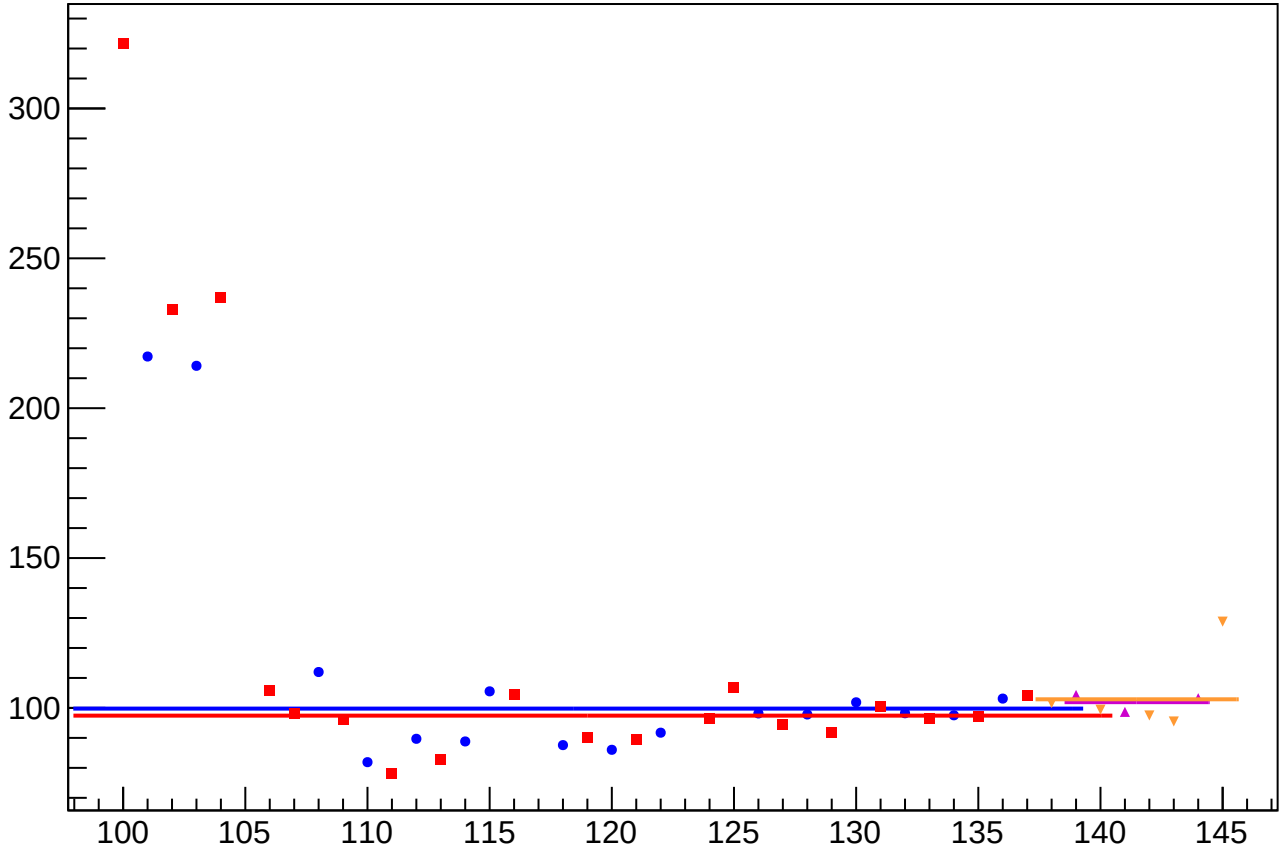
Left In: 2272.911+/-64.171 χ^2/NDF:2072.5/2

+ sign -2942.049+/-32.197 χ^2/NDF: 33033.9/20

All: -698.140+/-22.936 χ^2/NDF: 54259.5/42

- sign 1613.900+/-32.682 χ^2/NDF: 11363.5/21

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

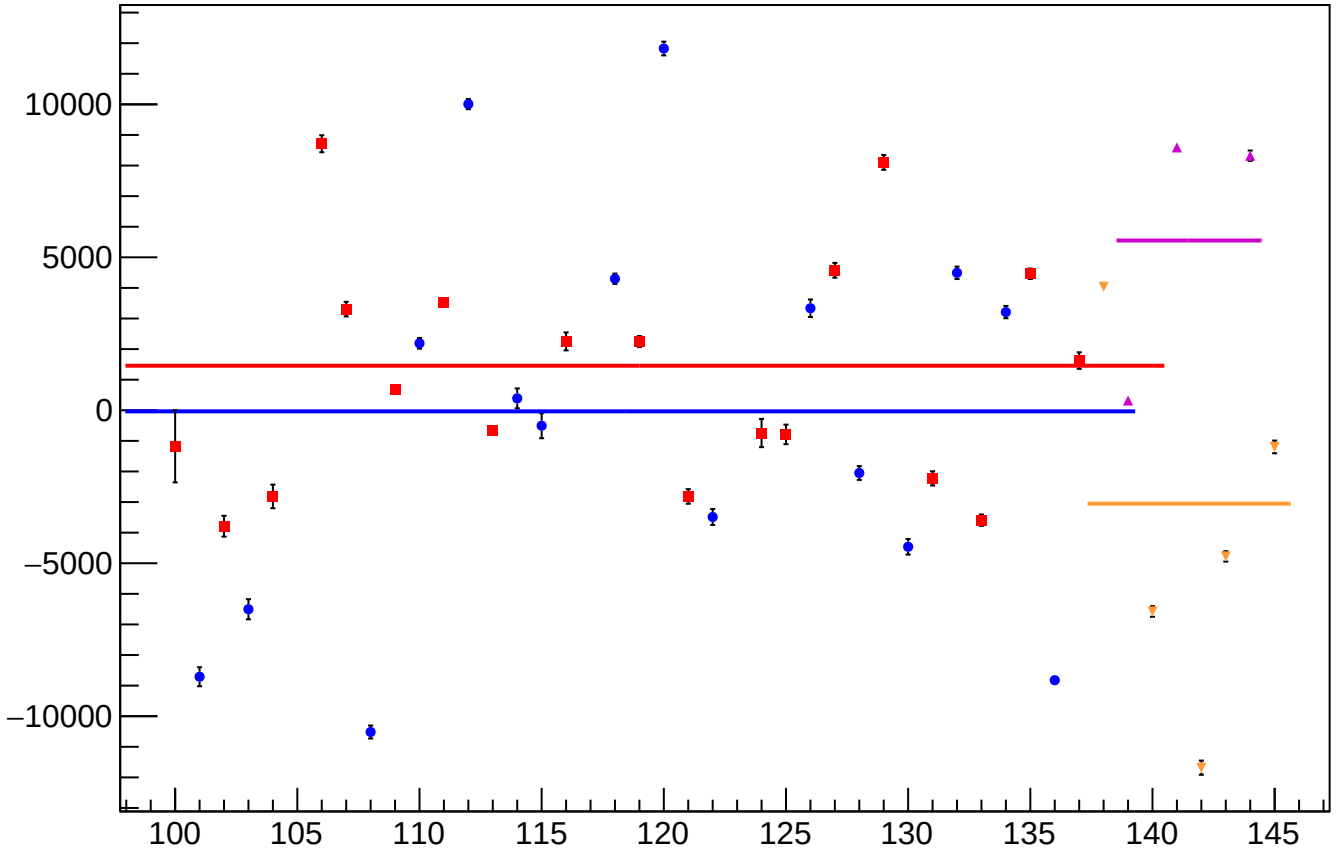
Left In: 101.926+/-0.045 χ^2/NDF:2981.7/2

+ sign 100.829+/-0.023 χ^2/NDF: 890911.8/20

All: 99.729+/-0.016 χ^2/NDF: 1831967.1/42

- sign 98.594+/-0.023 χ^2/NDF: 936308.8/21

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

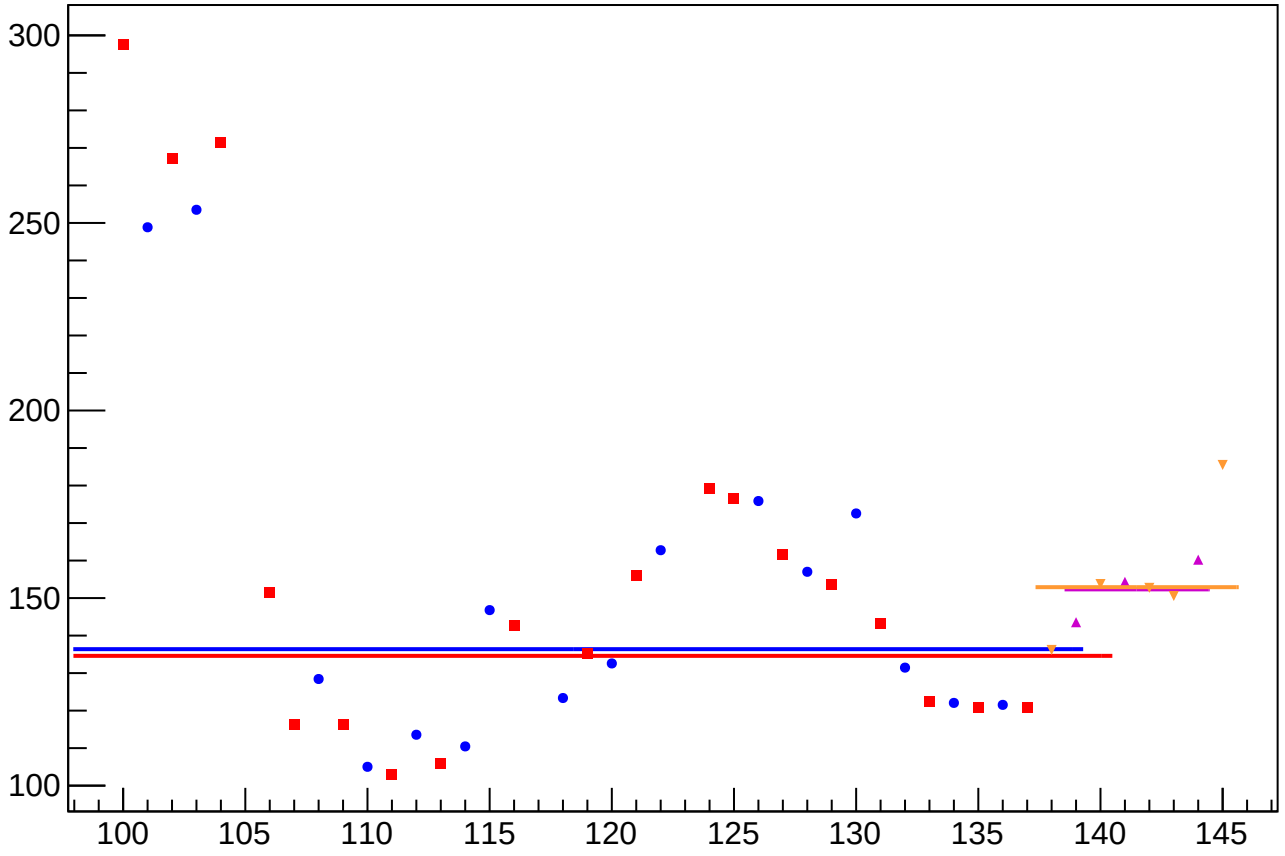
Left In: 5549.954+/-95.133 χ^2/NDF:1683.8/2

\+ sign -946.143+/-44.665 χ^2/NDF: 21828.0/20

All: 691.004+/-31.906 χ^2/NDF: 31798.3/42

\- sign 2396.792+/-45.592 χ^2/NDF: 7227.0/21

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

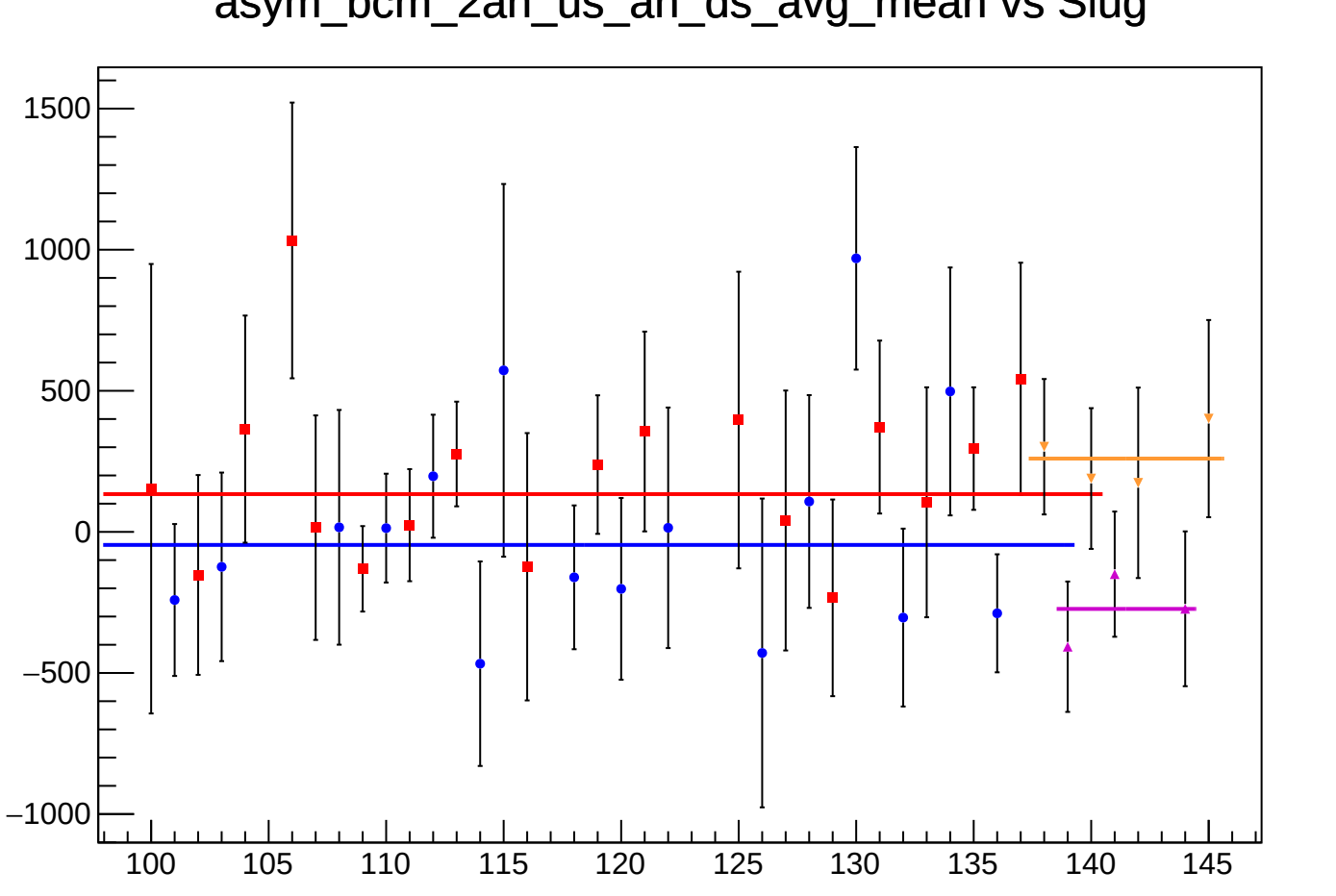
Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 152.319+/-0.067 χ^2/NDF:10662.4/2

+ sign 141.375+/-0.032 χ^2/NDF: 927325.6/20

All: 140.049+/-0.023 χ^2/NDF: 1914646.5/42

- sign 138.668+/-0.032 χ^2/NDF: 983724.4/21



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

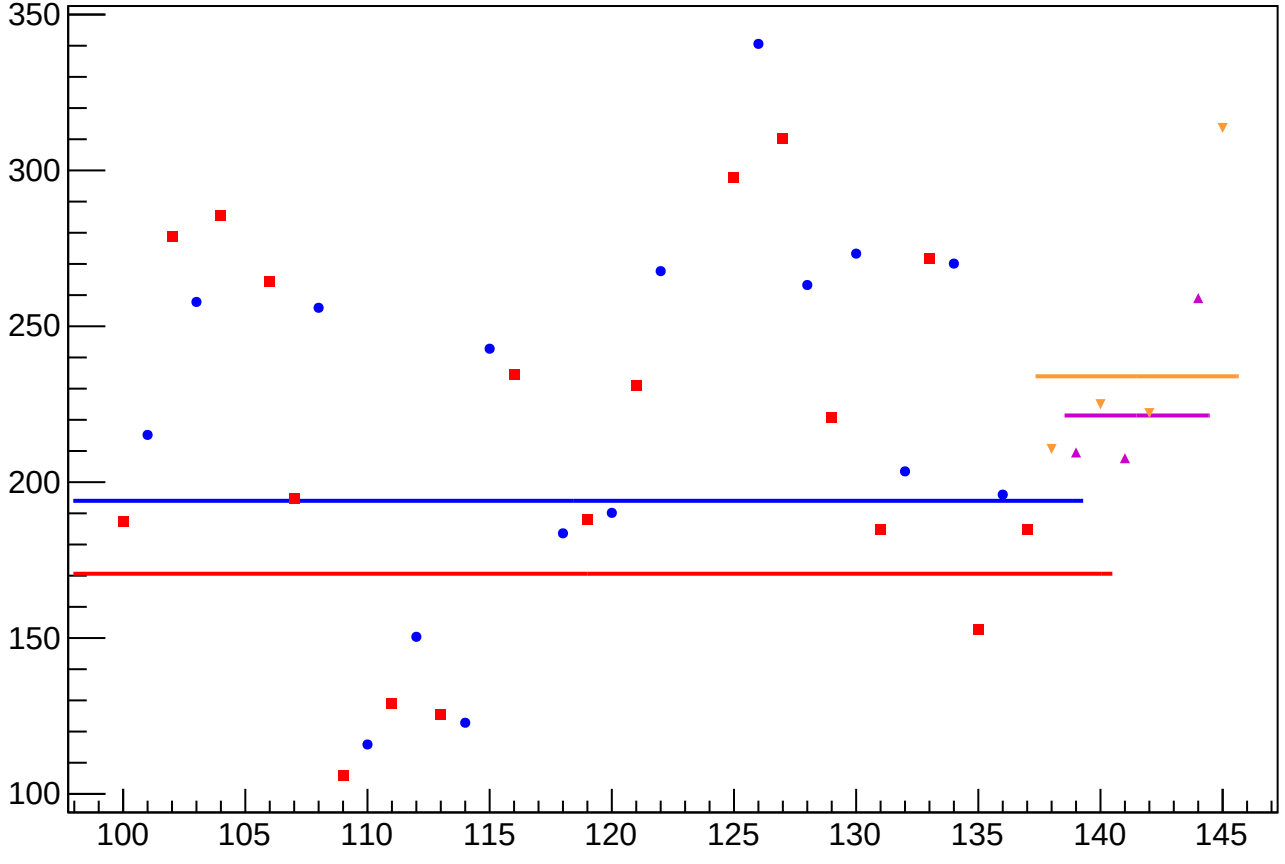
Left In: -273.004+/-138.228 χ^2/NDF:0.6/2

+ sign 23.199+/-67.076 χ^2/NDF: 19.5/19

All: 39.896+/-45.256 χ^2/NDF: 40.0/40

- sign 53.848+/-61.315 χ^2/NDF: 20.4/20

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

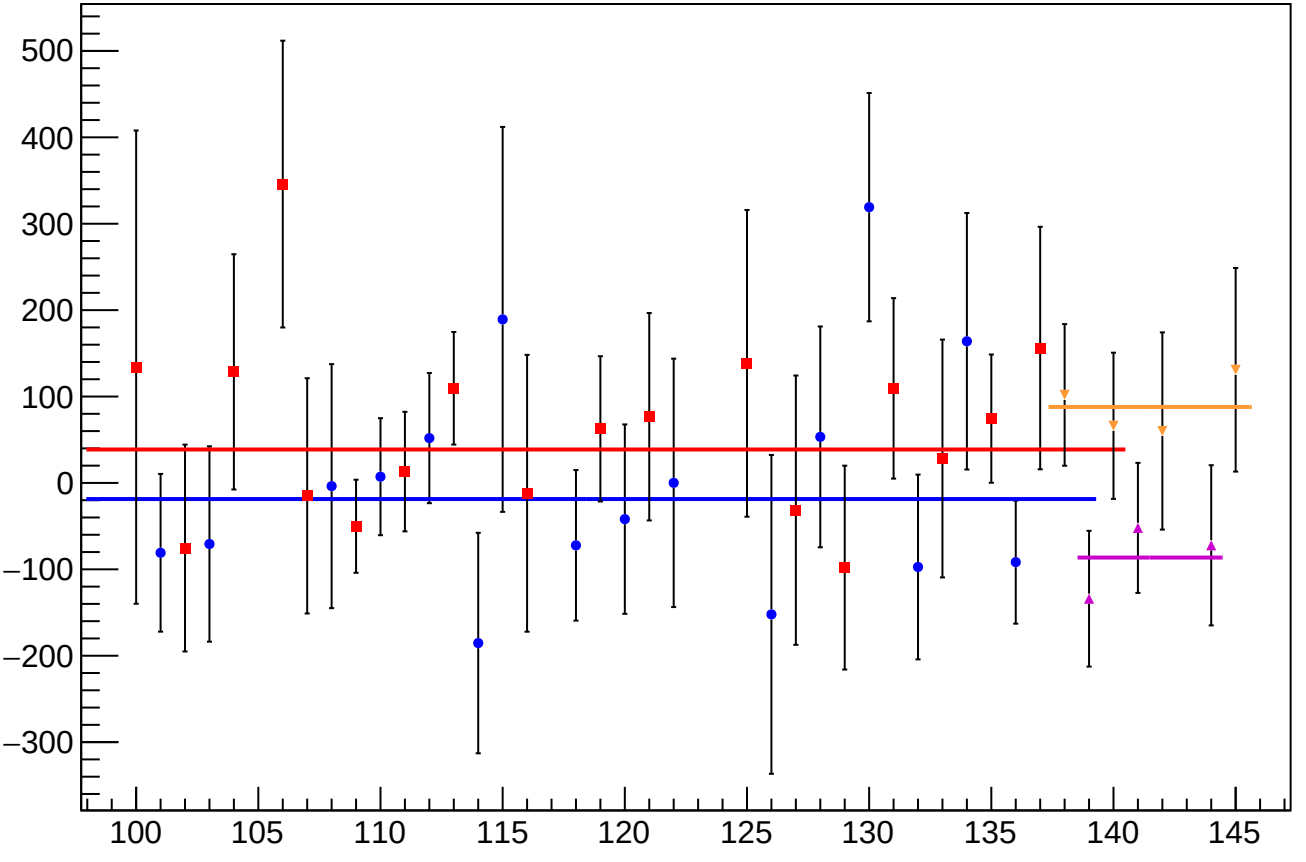
Left In: 221.389+/-0.098 χ^2/NDF:50576.3/2

+ sign 203.076+/-0.047 χ^2/NDF: 1295779.5/19

All: 190.838+/-0.032 χ^2/NDF: 3278970.5/40

- sign 180.612+/-0.043 χ^2/NDF: 1860989.7/20

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

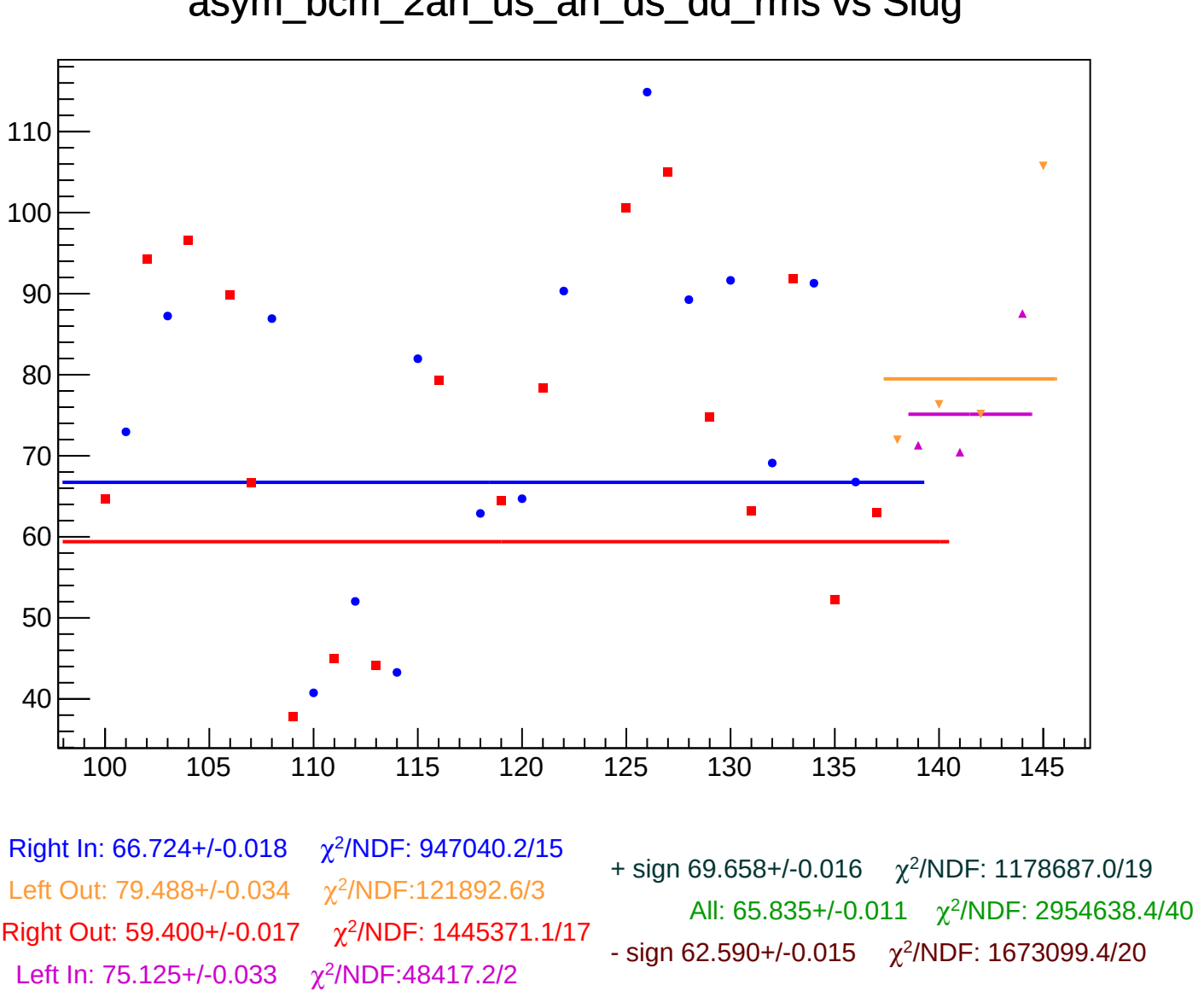
Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: -86.363+/-46.886 χ^2/NDF:0.6/2

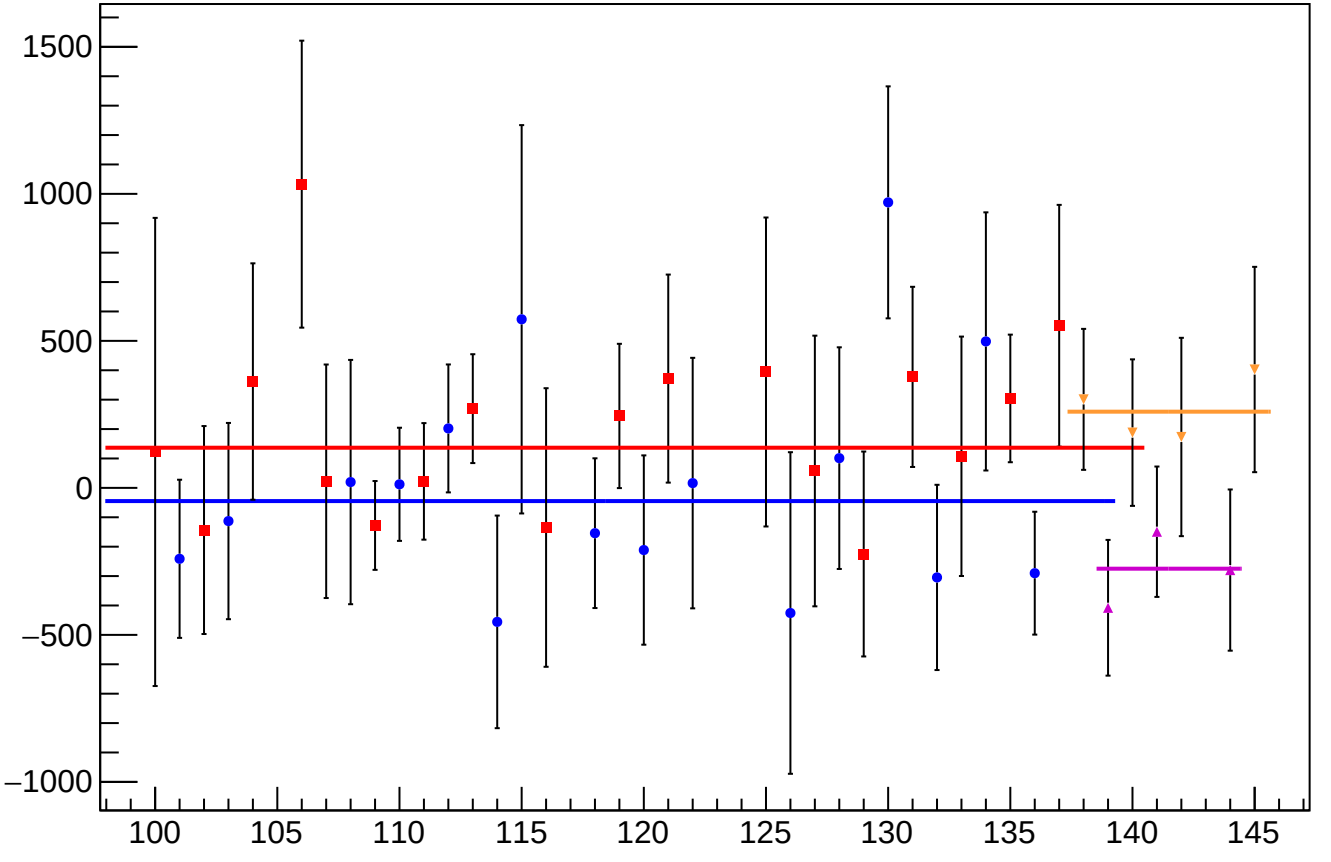
+ sign 5.853+/-22.924 χ^2/NDF: 19.3/19

All: 9.905+/-15.532 χ^2/NDF: 38.3/40

- sign 13.344+/-21.117 χ^2/NDF: 18.9/20


asym_bcm_2an_us_an_ds_dd_rms vs Slug
110
100
90
80
70
60
50
40
100
105
110
115
120
125
130
135
140
145
Right In: 66.724+/-0.018 χ²/NDF: 947040.2/15
Left Out: 79.488+/-0.034 χ²/NDF:121892.6/3
Right Out: 59.400+/-0.017 χ²/NDF: 1445371.1/17
Left In: 75.125+/-0.033 χ²/NDF:48417.2/2
+ sign 69.658+/-0.016 χ²/NDF: 1178687.0/19
All: 65.835+/-0.011 χ²/NDF: 2954638.4/40
- sign 62.590+/-0.015 χ²/NDF: 1673099.4/20

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

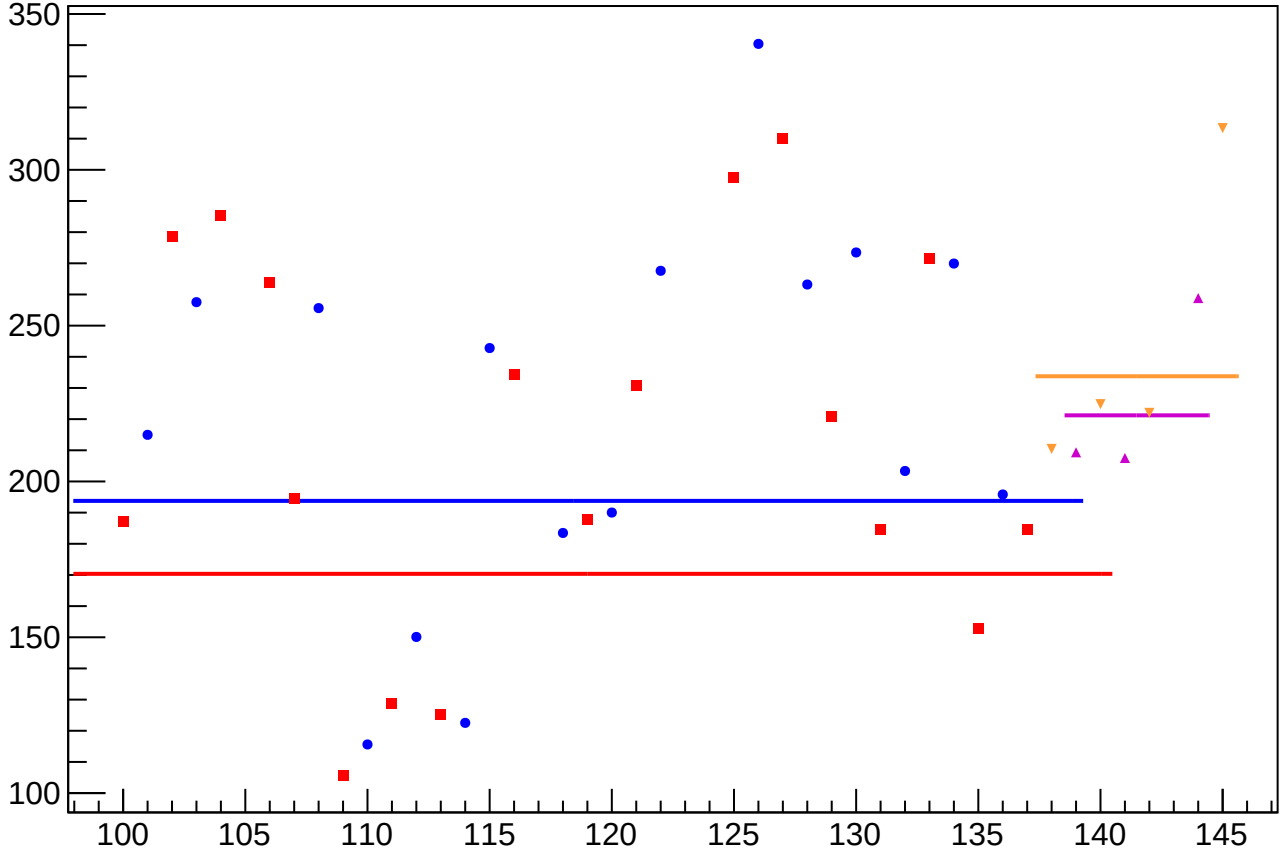
Left In: -274.873+/-138.122 χ^2/NDF:0.7/2

\+ sign 24.029+/-67.006 χ^2/NDF: 19.4/19

All: 41.283+/-45.204 χ^2/NDF: 40.2/40

\- sign 55.696+/-61.240 χ^2/NDF: 20.6/20

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

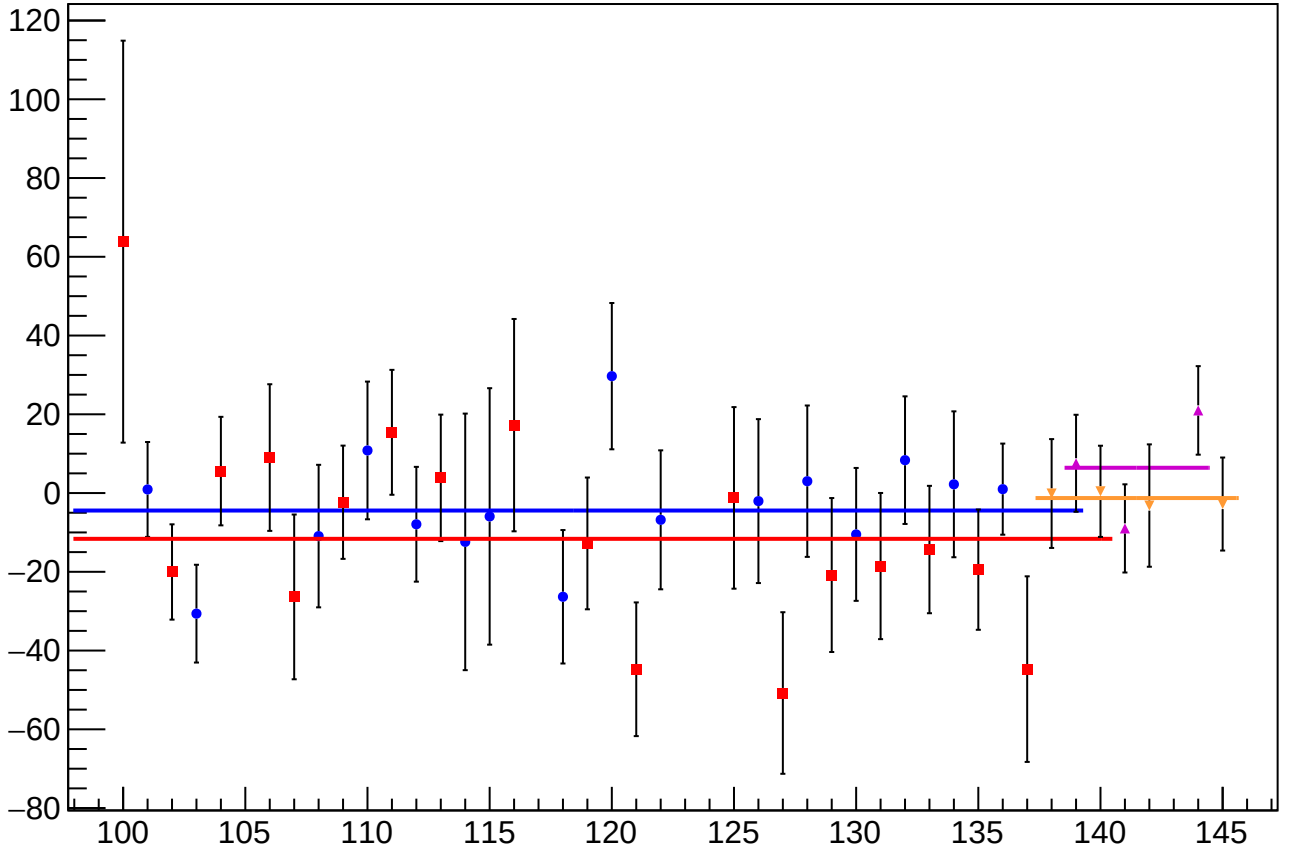
Left In: 221.218+/-0.098 χ^2/NDF:50583.0/2

+ sign 202.834+/-0.047 χ^2/NDF: 1300906.7/19

All: 190.586+/-0.032 χ^2/NDF: 3291026.8/40

- sign 180.356+/-0.043 χ^2/NDF: 1867483.5/20

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

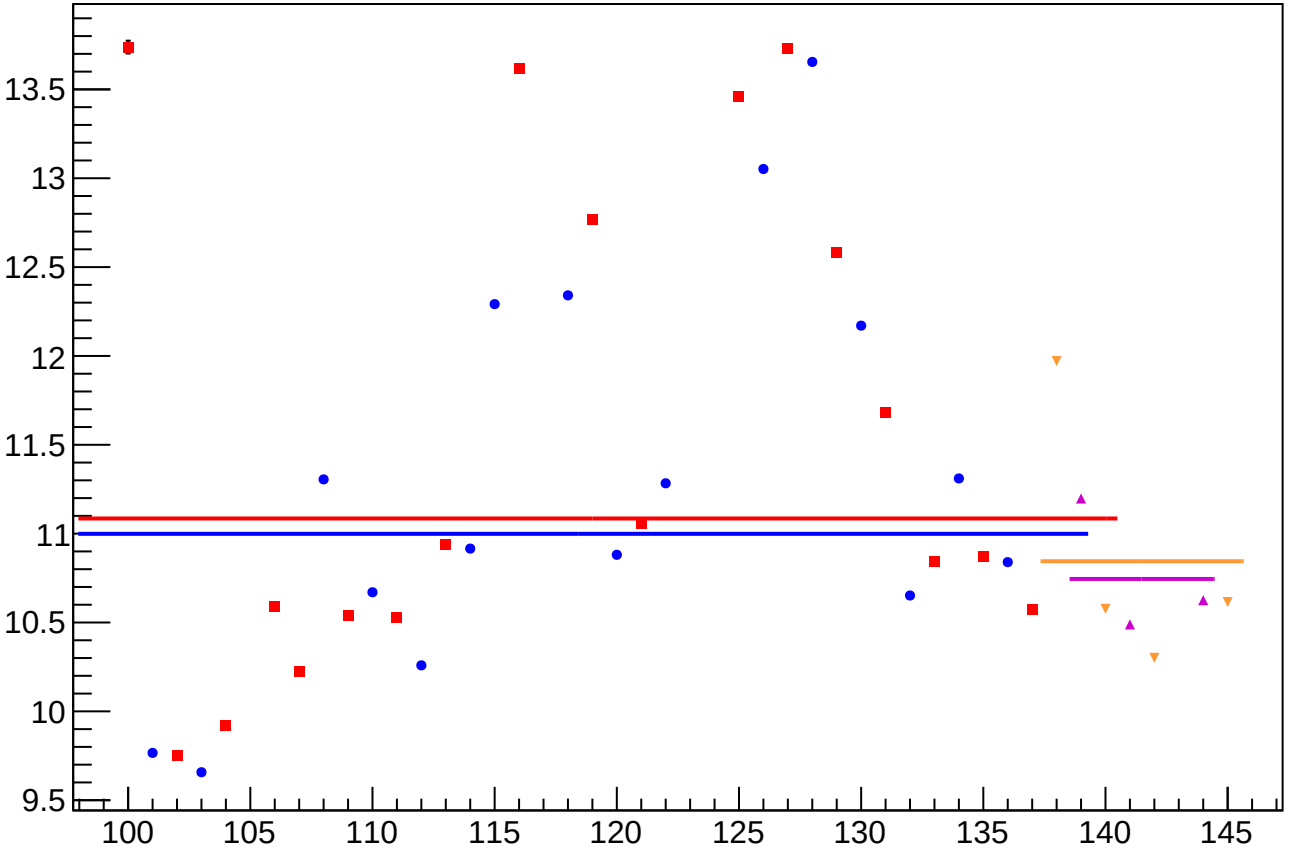
Left In: 6.419+/-6.670 χ^2/NDF:3.6/2

+ sign -3.519+/-3.479 χ^2/NDF: 12.2/19

All: -5.051+/-2.473 χ^2/NDF: 43.1/40

- sign -6.614+/-3.515 χ^2/NDF: 30.5/20

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

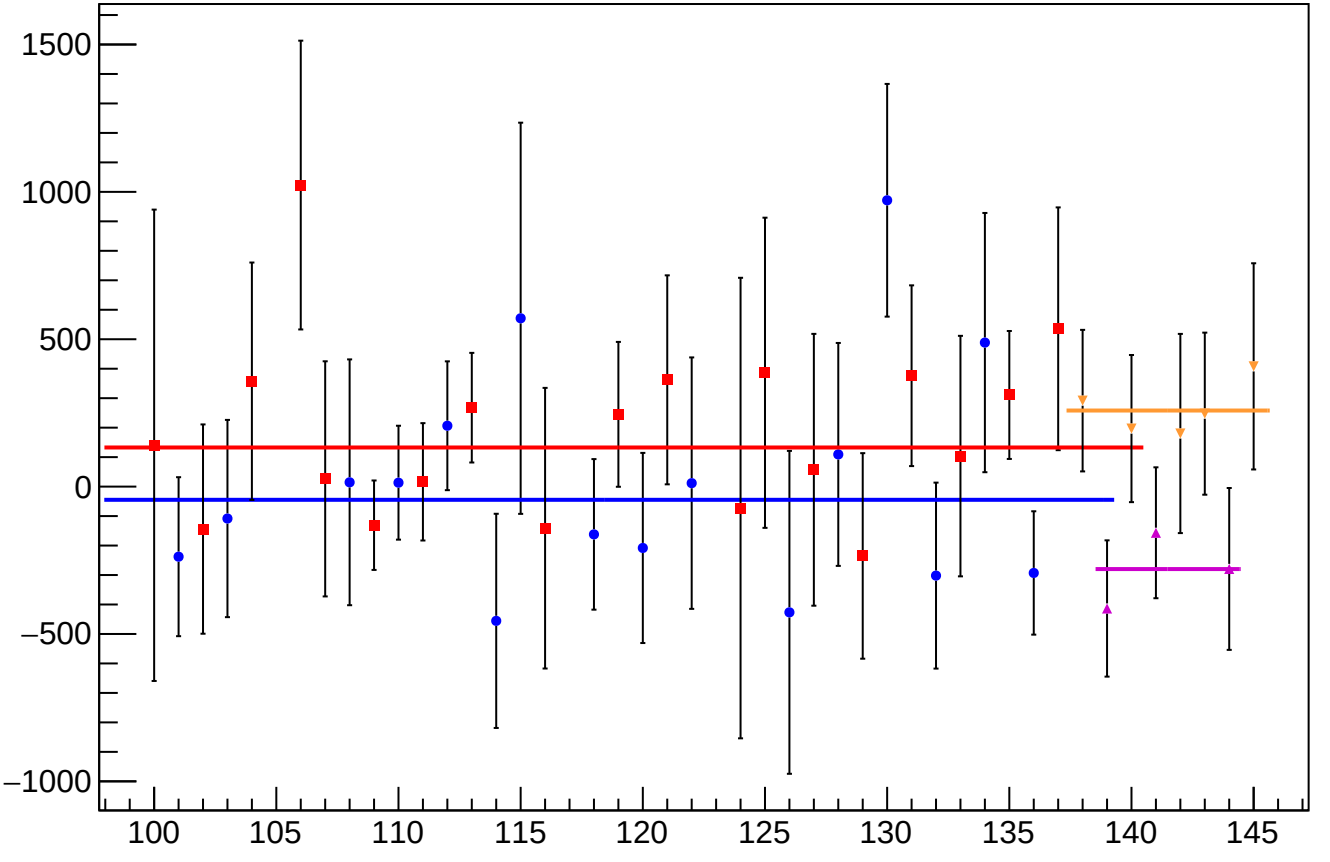
Left In: 10.745+/-0.005 χ^2/NDF:3970.0/2

+ sign 10.954+/-0.002 χ^2/NDF: 154518.5/19

All: 10.972+/-0.002 χ^2/NDF: 324561.1/40

- sign 10.991+/-0.002 χ^2/NDF: 169933.2/20

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

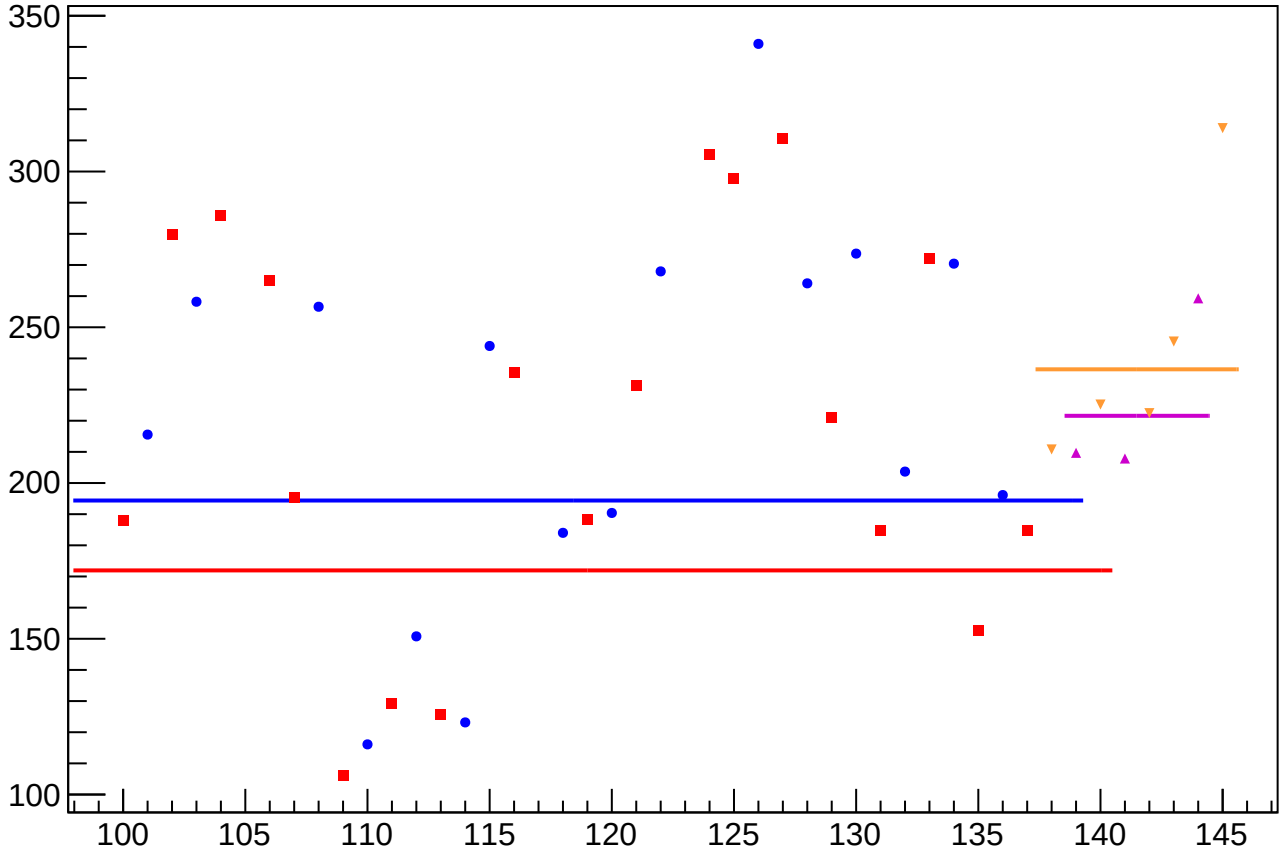
Left In: -279.765+/-138.349 χ^2/NDF:0.6/2

\+ sign 37.206+/-65.265 χ^2/NDF: 20.0/20

All: 45.051+/-44.651 χ^2/NDF: 40.7/42

\- sign 51.955+/-61.222 χ^2/NDF: 20.6/21

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

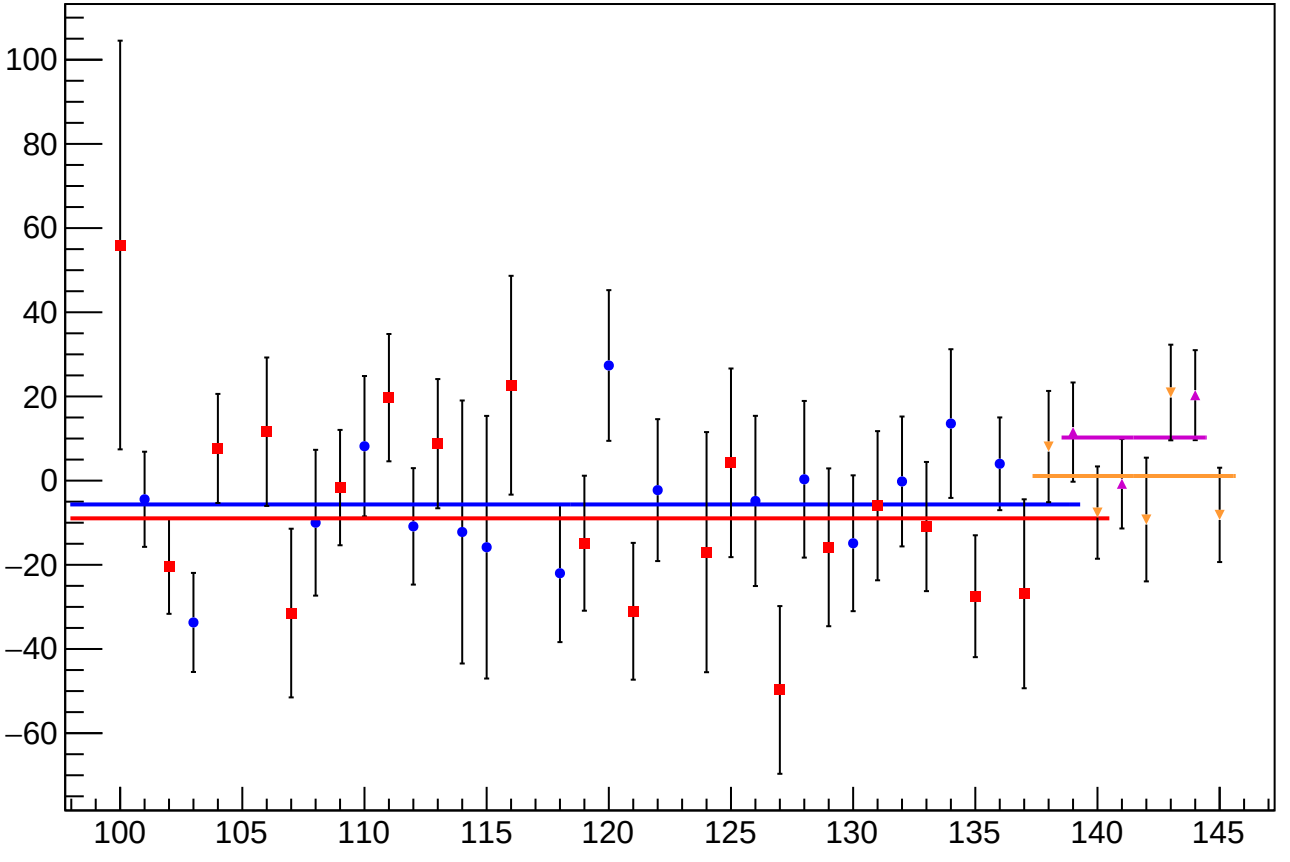
Left In: 221.579+/-0.098 χ^2/NDF:50628.5/2

+ sign 205.787+/-0.046 χ^2/NDF: 1337098.4/20

All: 192.957+/-0.032 χ^2/NDF: 3391347.5/42

- sign 181.667+/-0.043 χ^2/NDF: 1908951.5/21

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

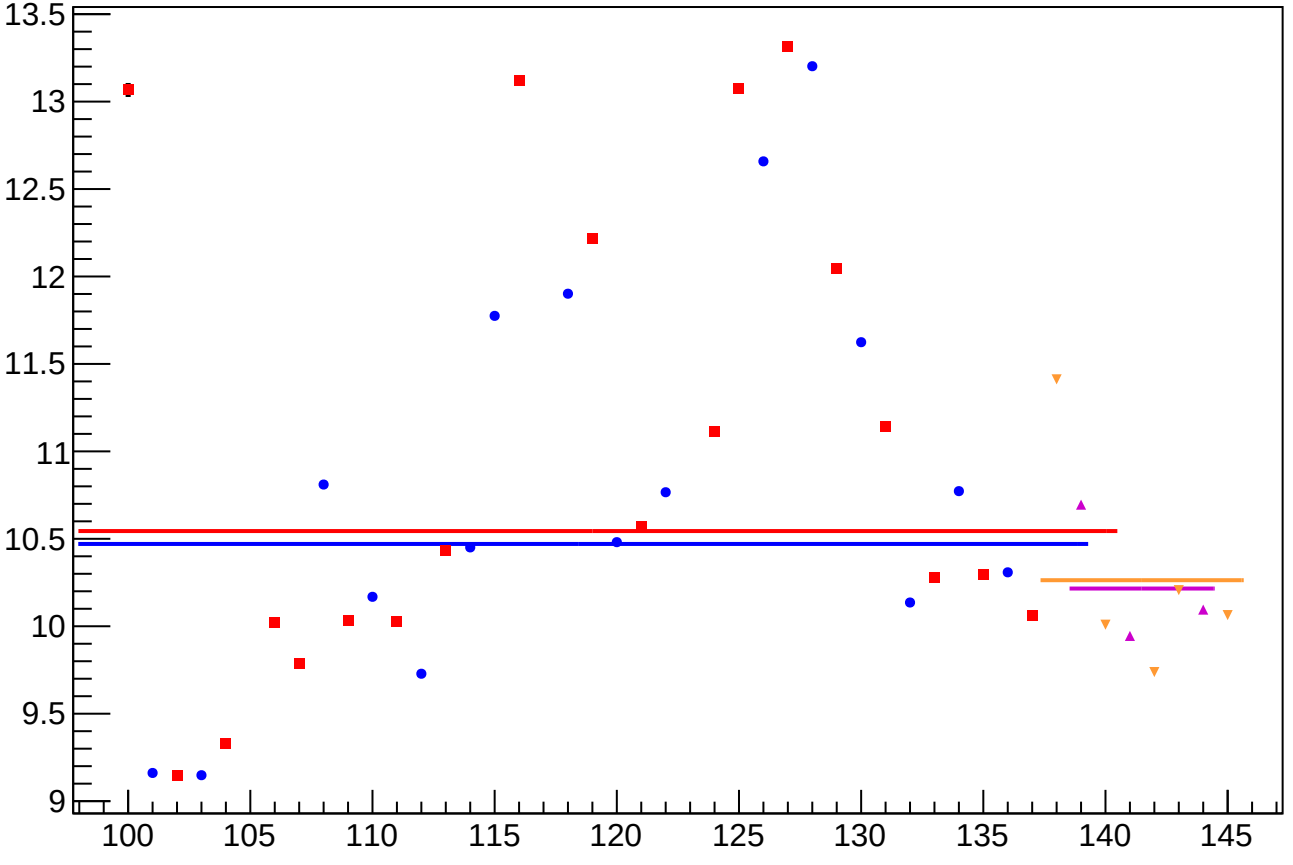
Left In: 10.242+/-6.350 χ^2/NDF:2.0/2

+ sign -3.306+/-3.181 χ^2/NDF: 19.8/20

All: -3.494+/-2.298 χ^2/NDF: 51.2/42

- sign -3.699+/-3.324 χ^2/NDF: 31.4/21

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

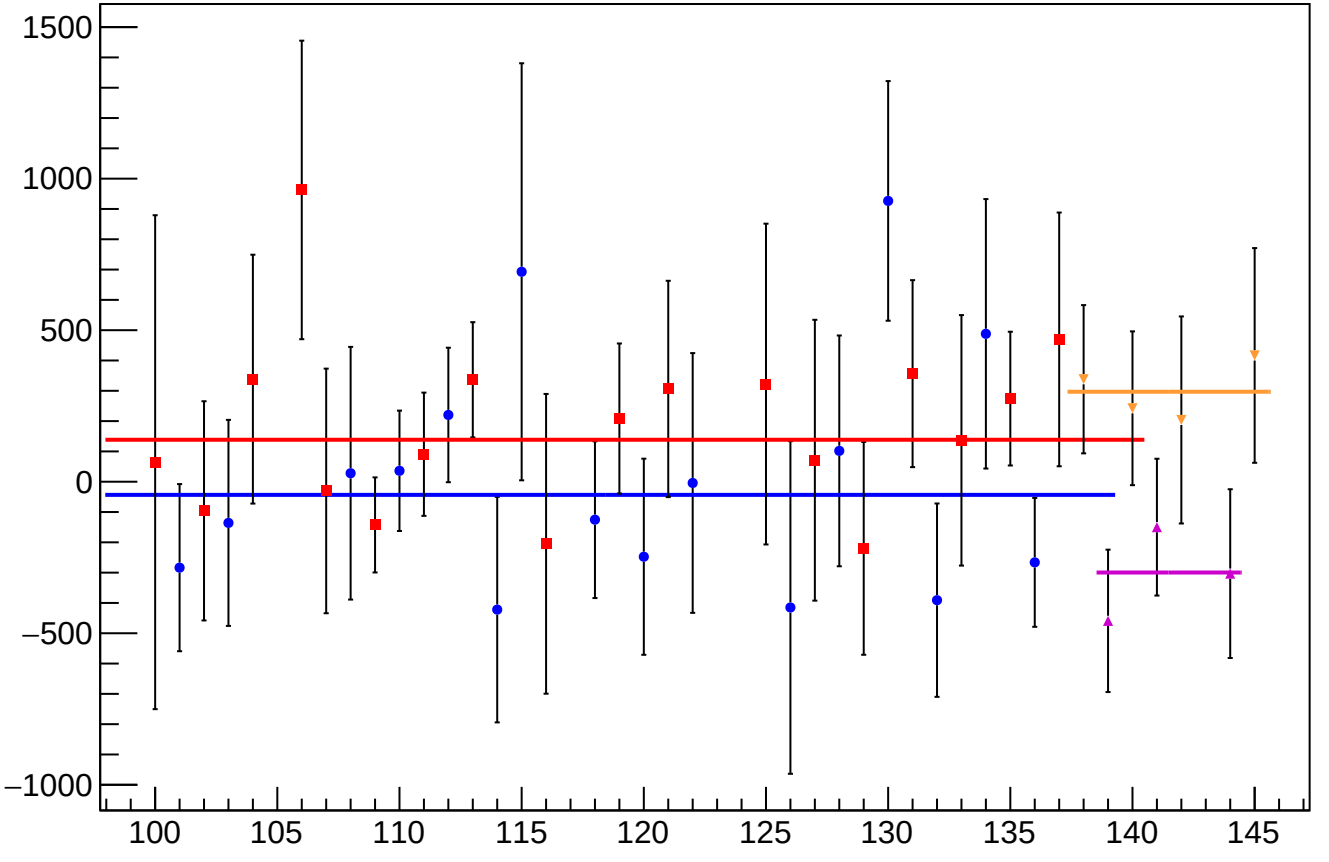
Left In: 10.216+/-0.004 χ^2/NDF:4865.1/2

+ sign 10.398+/-0.002 χ^2/NDF: 178711.1/20

All: 10.425+/-0.002 χ^2/NDF: 374542.3/42

- sign 10.454+/-0.002 χ^2/NDF: 195537.1/21

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

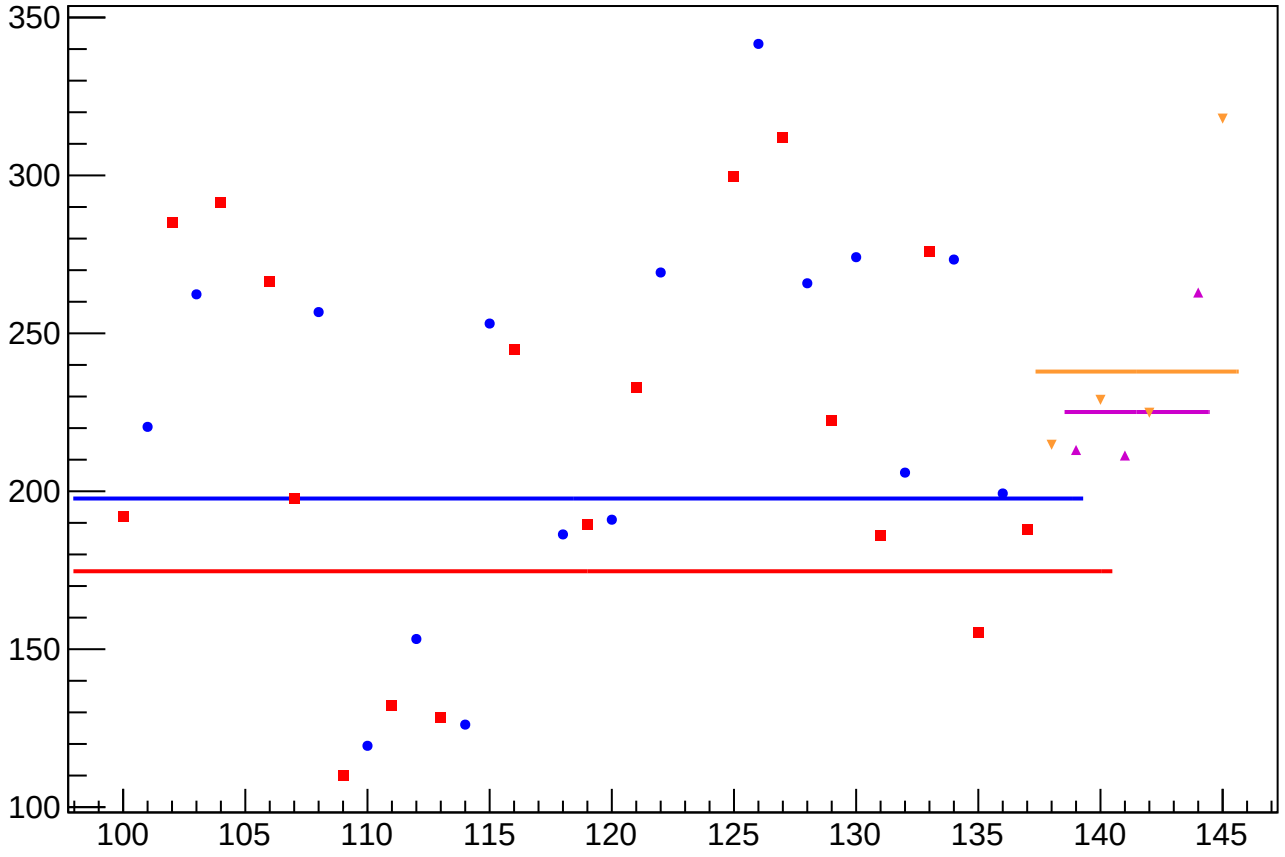
Left In: -299.605+/-140.507 χ^2/NDF:0.9/2

\+ sign 33.860+/-68.212 χ^2/NDF: 20.1/19

All: 43.543+/-46.095 χ^2/NDF: 40.3/40

\- sign 51.681+/-62.535 χ^2/NDF: 20.2/20

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

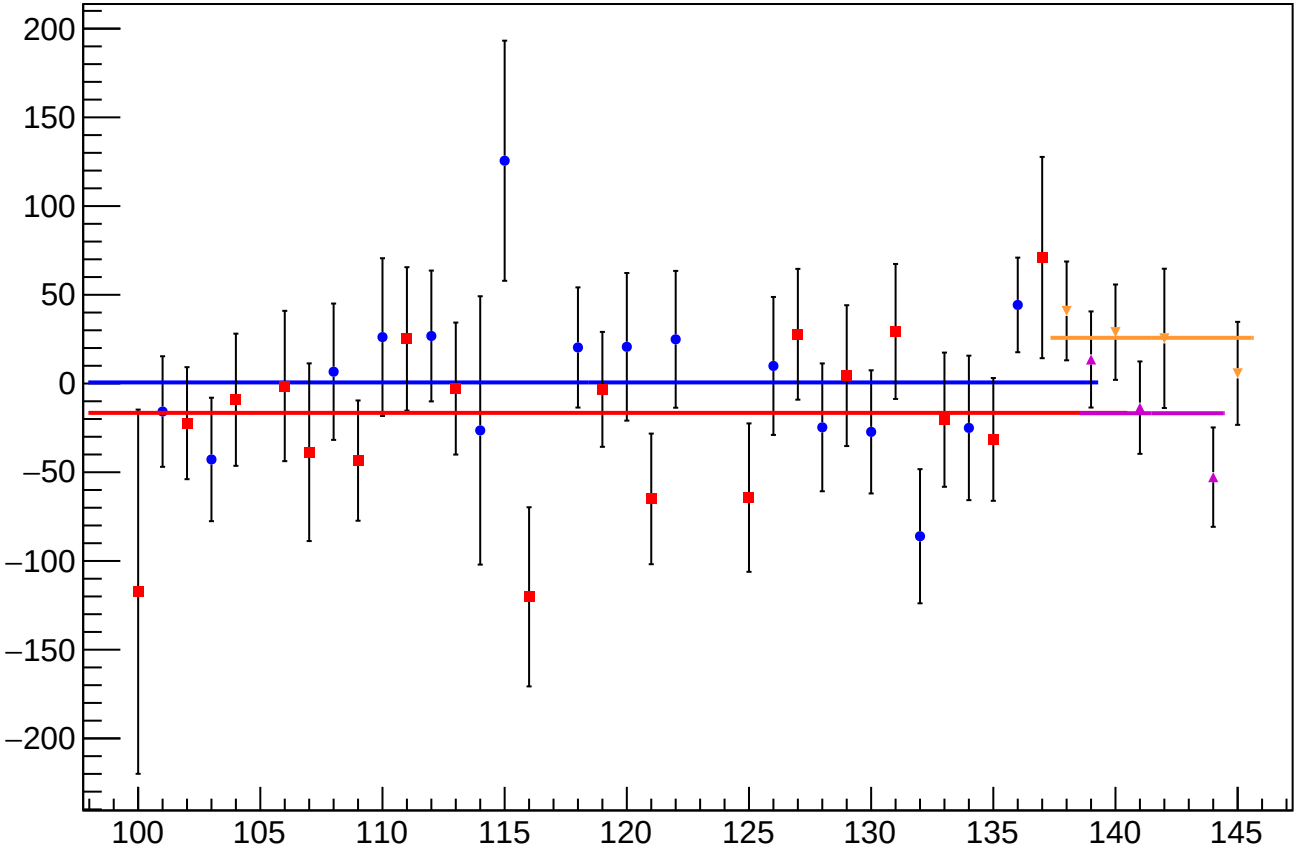
Left In: 225.096+/-0.099 χ^2/NDF:49597.9/2

+ sign 206.831+/-0.048 χ^2/NDF: 1247738.2/19

All: 194.788+/-0.033 χ^2/NDF: 3153327.0/40

- sign 184.666+/-0.044 χ^2/NDF: 1790843.6/20

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

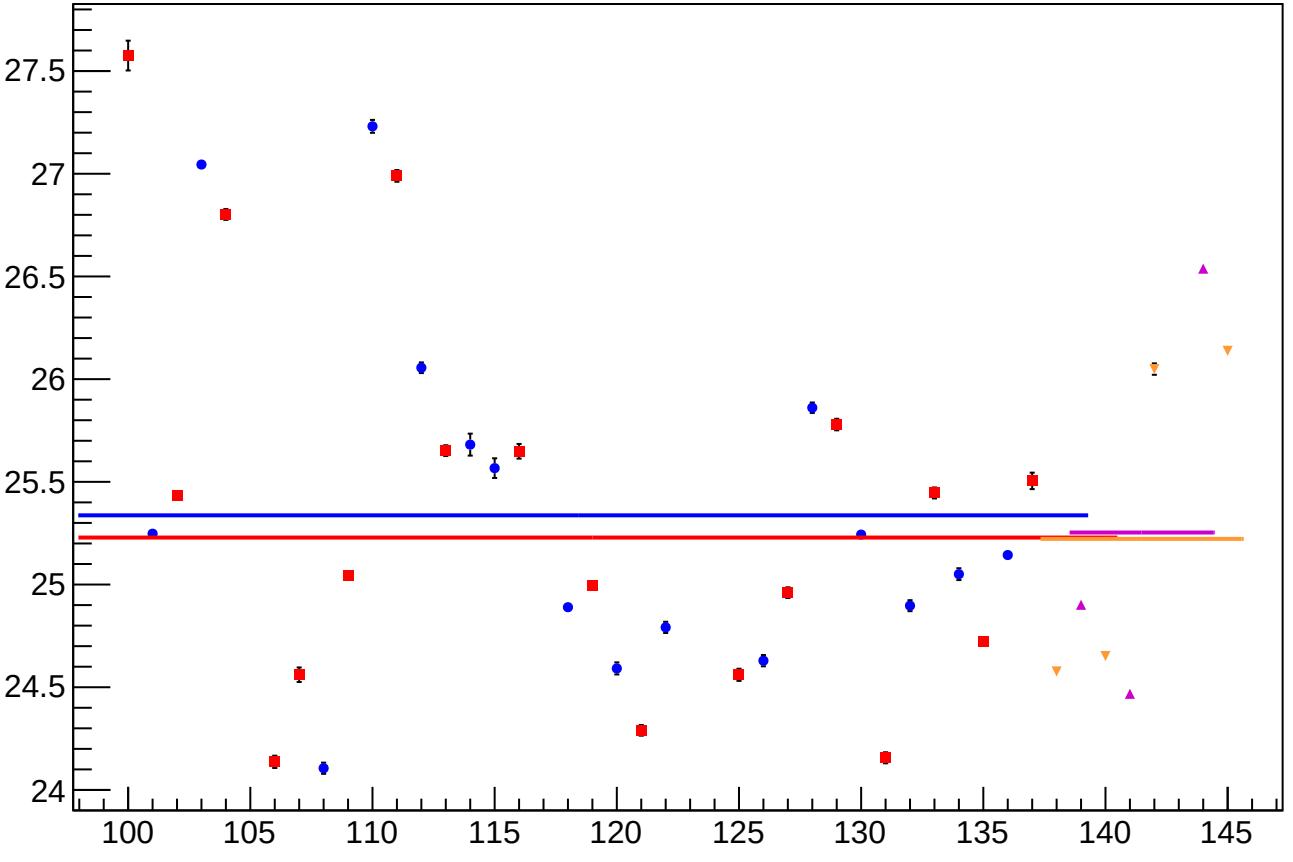
Left In: -16.733+/-15.592 χ^2/NDF:2.9/2

+ sign 7.808+/-7.961 χ^2/NDF: 19.6/19

All: -4.343+/-5.640 χ^2/NDF: 43.5/40

- sign -16.586+/-7.992 χ^2/NDF: 19.3/20

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

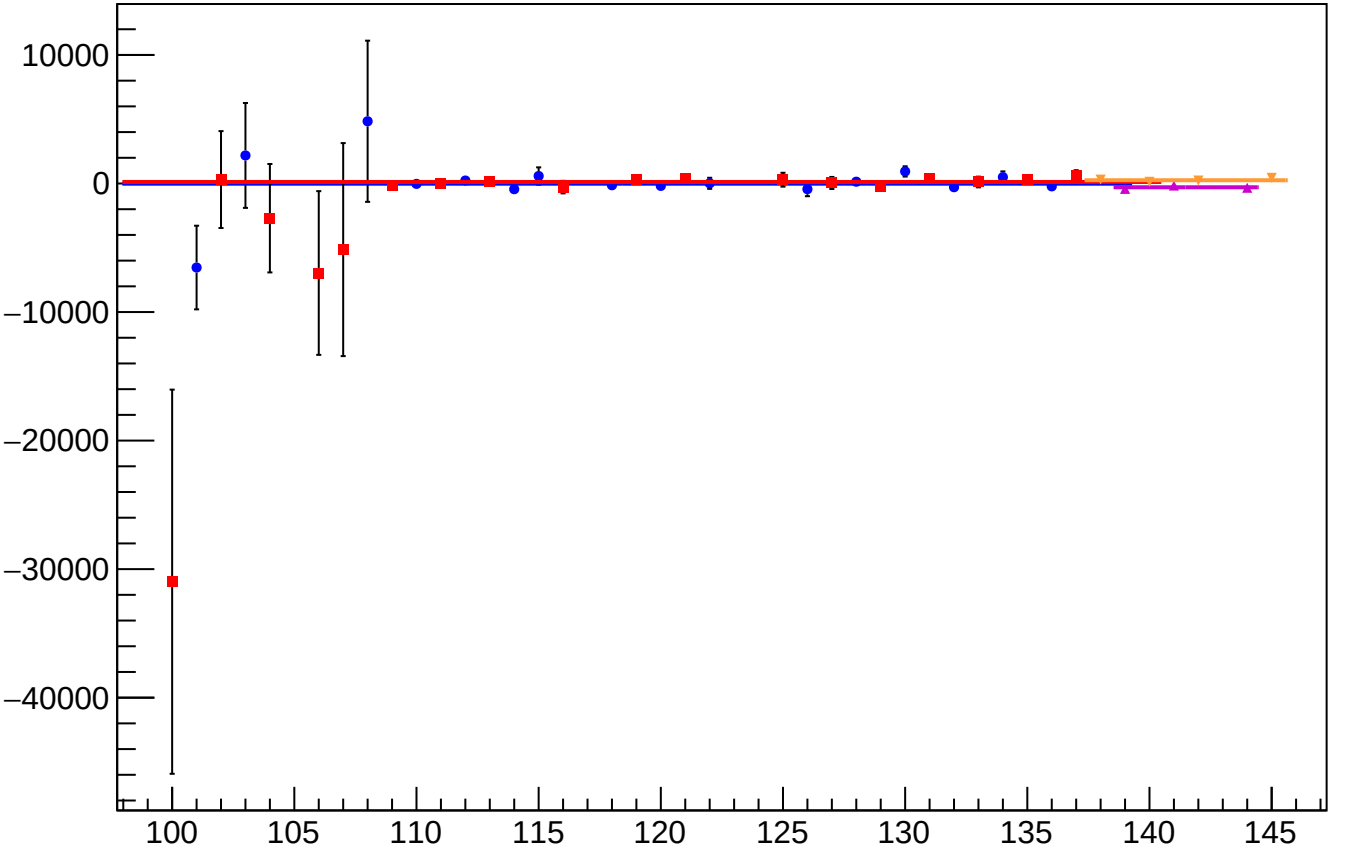
Left In: 25.253+/-0.011 χ^2/NDF:6364.7/2

+ sign 25.304+/-0.006 χ^2/NDF: 19252.7/19

All: 25.270+/-0.004 χ^2/NDF: 40872.0/40

- sign 25.235+/-0.006 χ^2/NDF: 21544.4/20

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

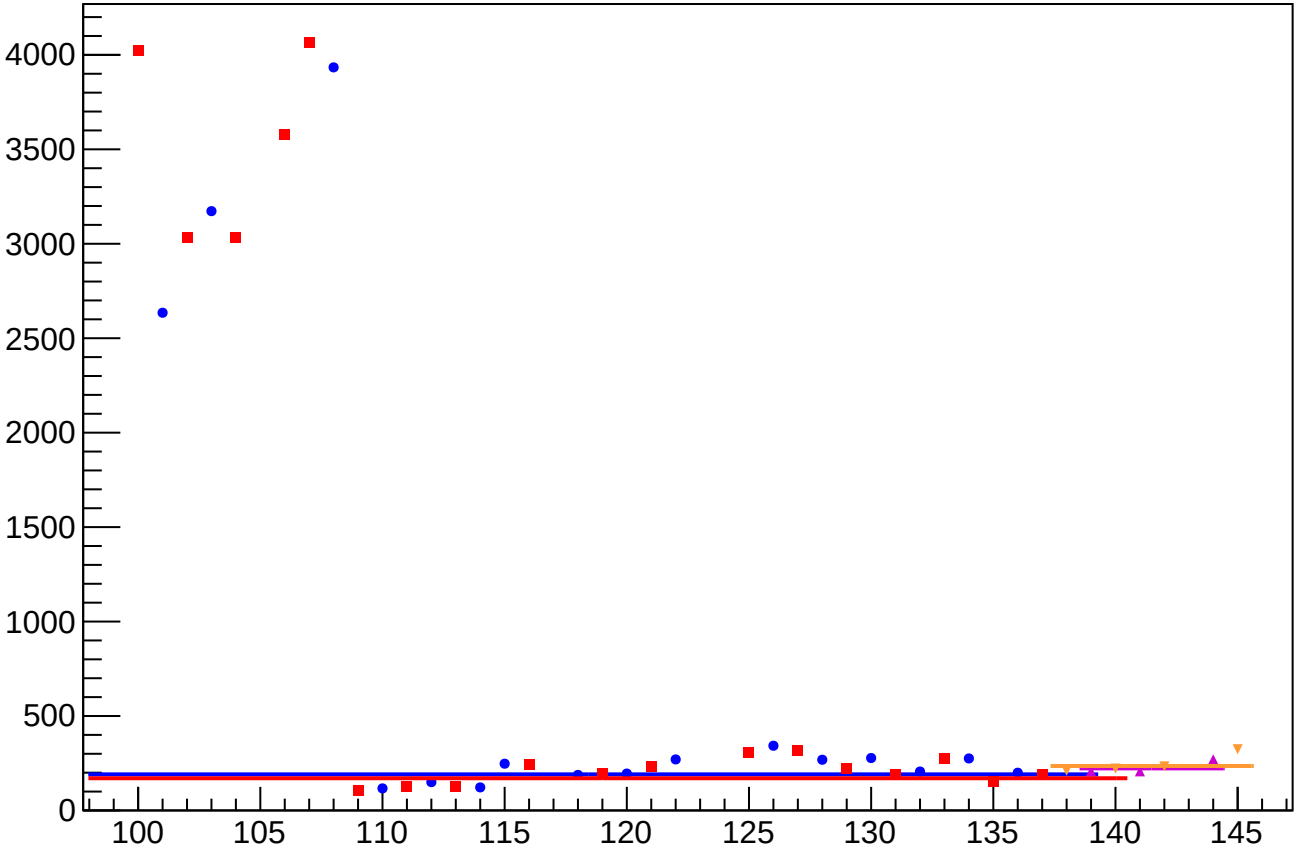
Left In: -293.379+/-139.432 χ^2/NDF:0.7/2

+ sign 56.472+/-72.591 χ^2/NDF: 21.5/19

All: 37.631+/-49.719 χ^2/NDF: 43.4/40

- sign 20.983+/-68.237 χ^2/NDF: 21.7/20

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

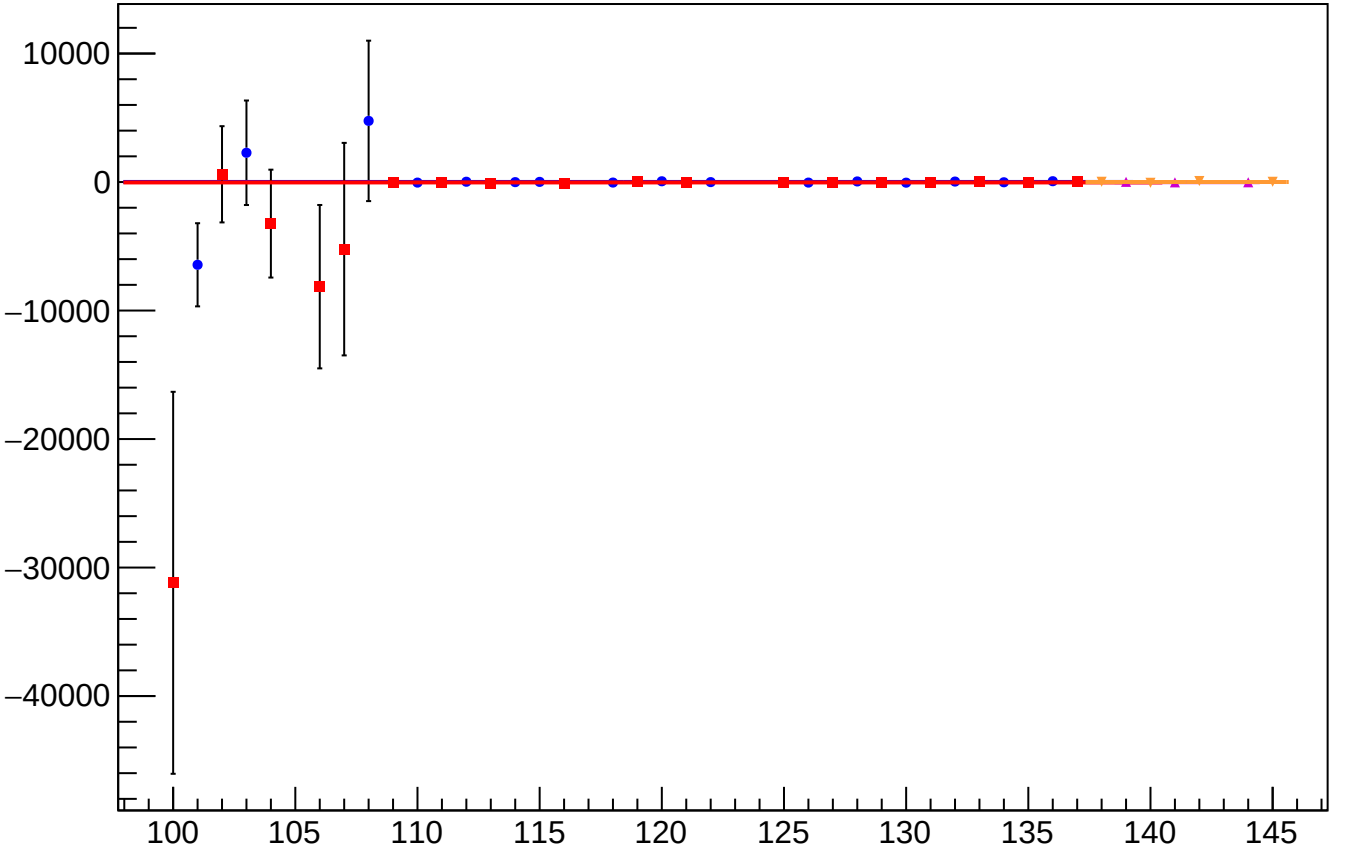
Left In: 222.688+/-0.099 χ^2/NDF:73878.8/2

+ sign 202.666+/-0.051 χ^2/NDF: 4127149.9/19

All: 192.222+/-0.035 χ^2/NDF: 8746954.8/40

- sign 182.994+/-0.048 χ^2/NDF: 4541830.6/20

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

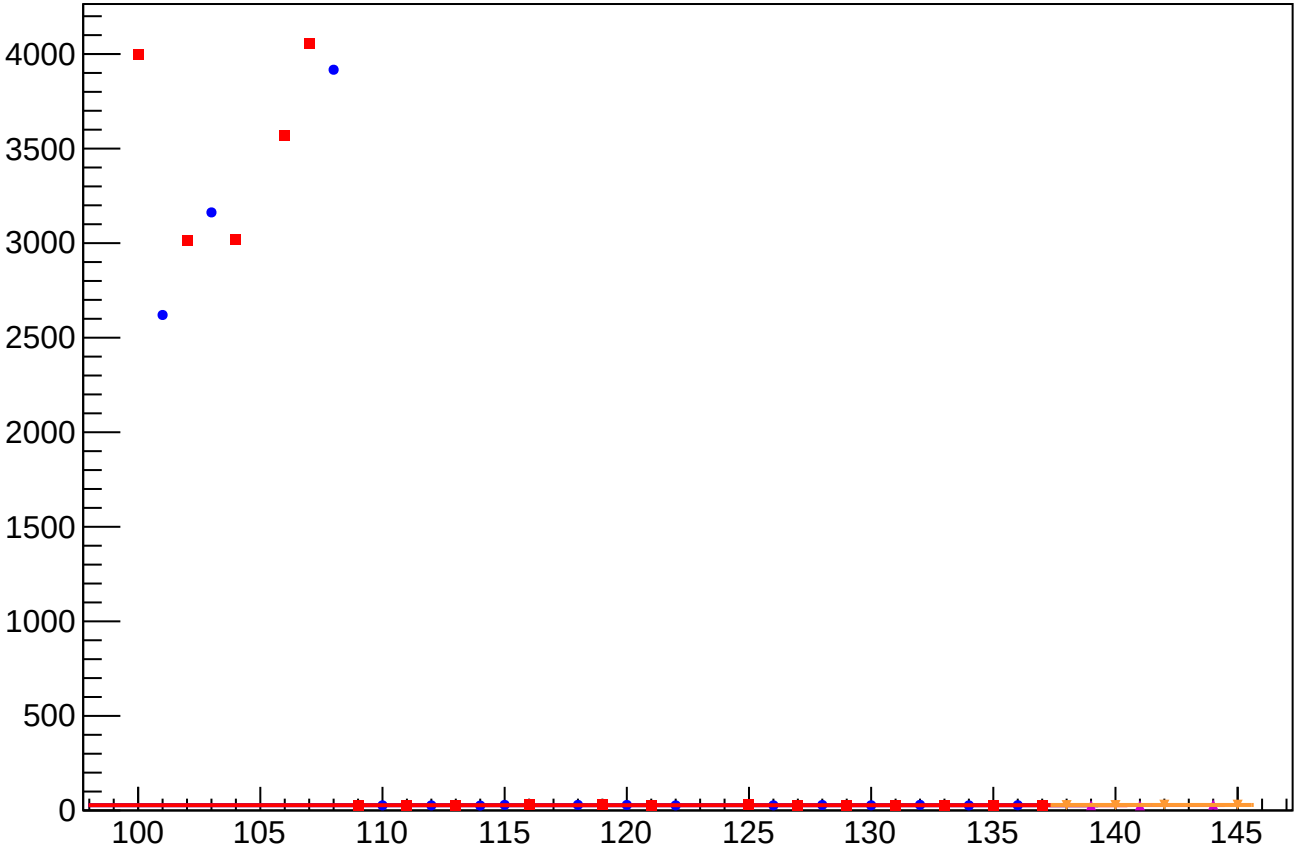
Left In: -8.790+/-17.772 χ^2/NDF:1.0/2

+ sign 5.432+/-9.712 χ^2/NDF: 25.6/19

All: -8.767+/-6.965 χ^2/NDF: 51.9/40

- sign -23.800+/-9.993 χ^2/NDF: 21.9/20

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

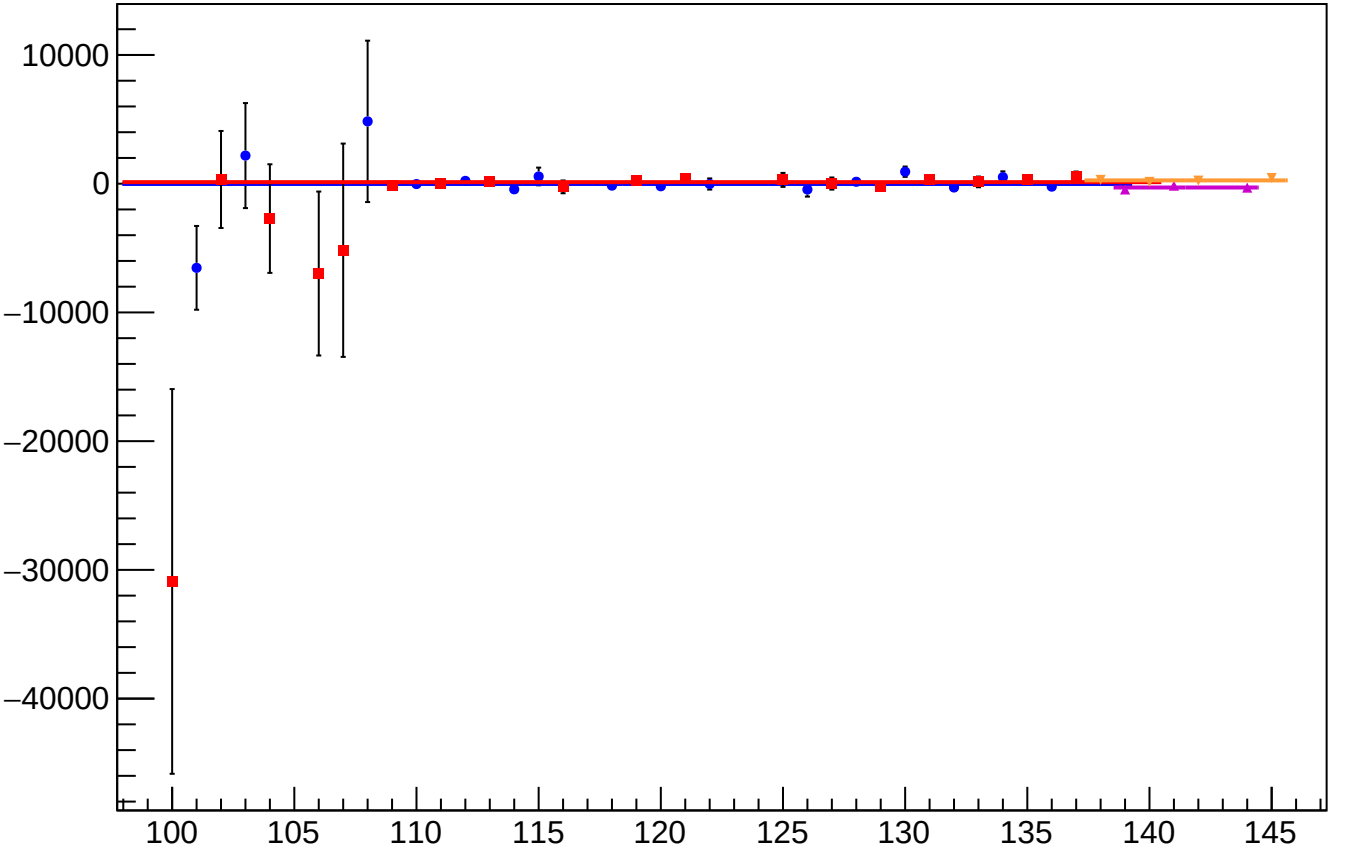
Left In: 28.713+/-0.013 χ^2/NDF:18121.8/2

+ sign 28.216+/-0.007 χ^2/NDF: 3279717.8/19

All: 28.147+/-0.005 χ^2/NDF: 6860233.7/40

- sign 28.074+/-0.007 χ^2/NDF: 3580306.3/20

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

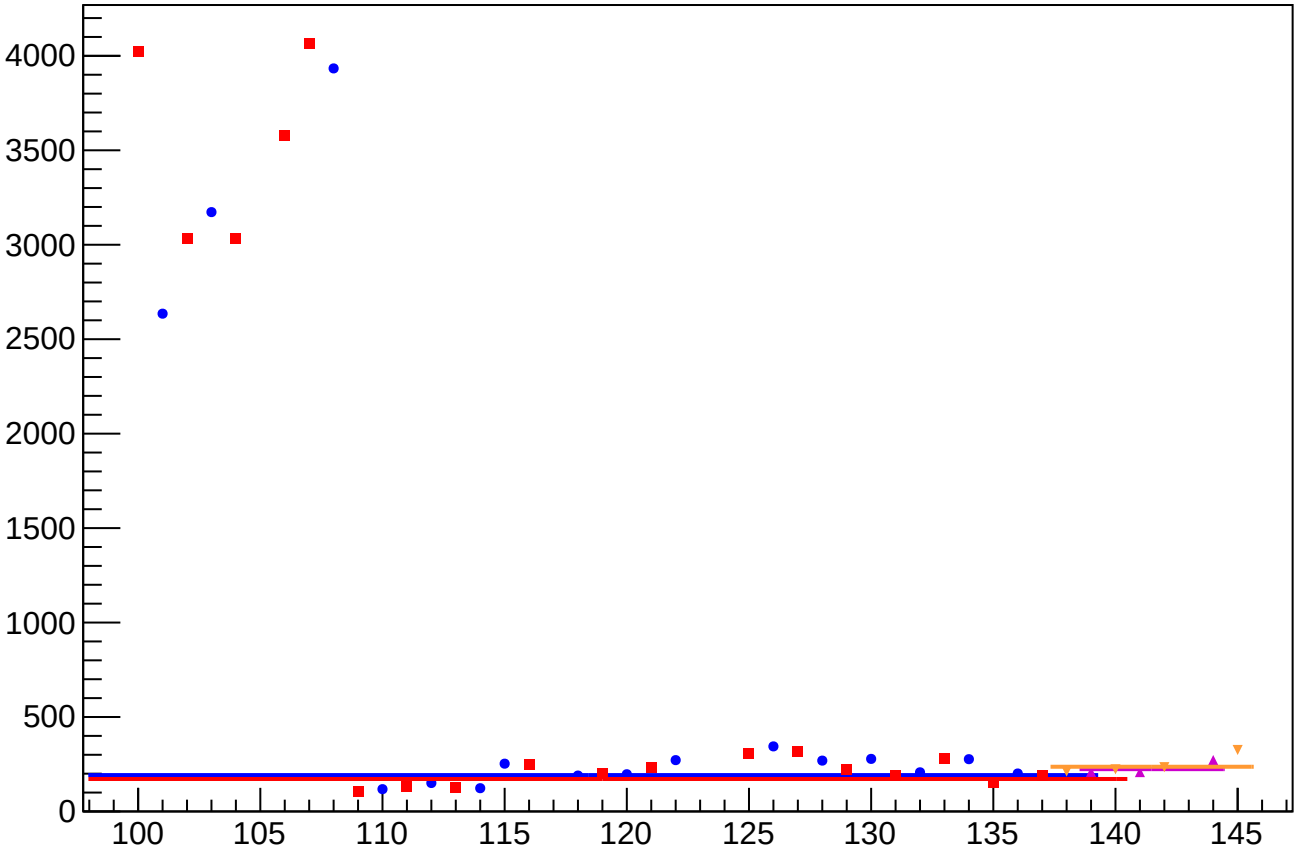
Left In: -295.512+/-140.214 χ^2/NDF:0.9/2

+ sign 52.993+/-73.073 χ^2/NDF: 21.5/19

All: 36.204+/-50.062 χ^2/NDF: 42.4/40

- sign 21.353+/-68.724 χ^2/NDF: 20.8/20

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

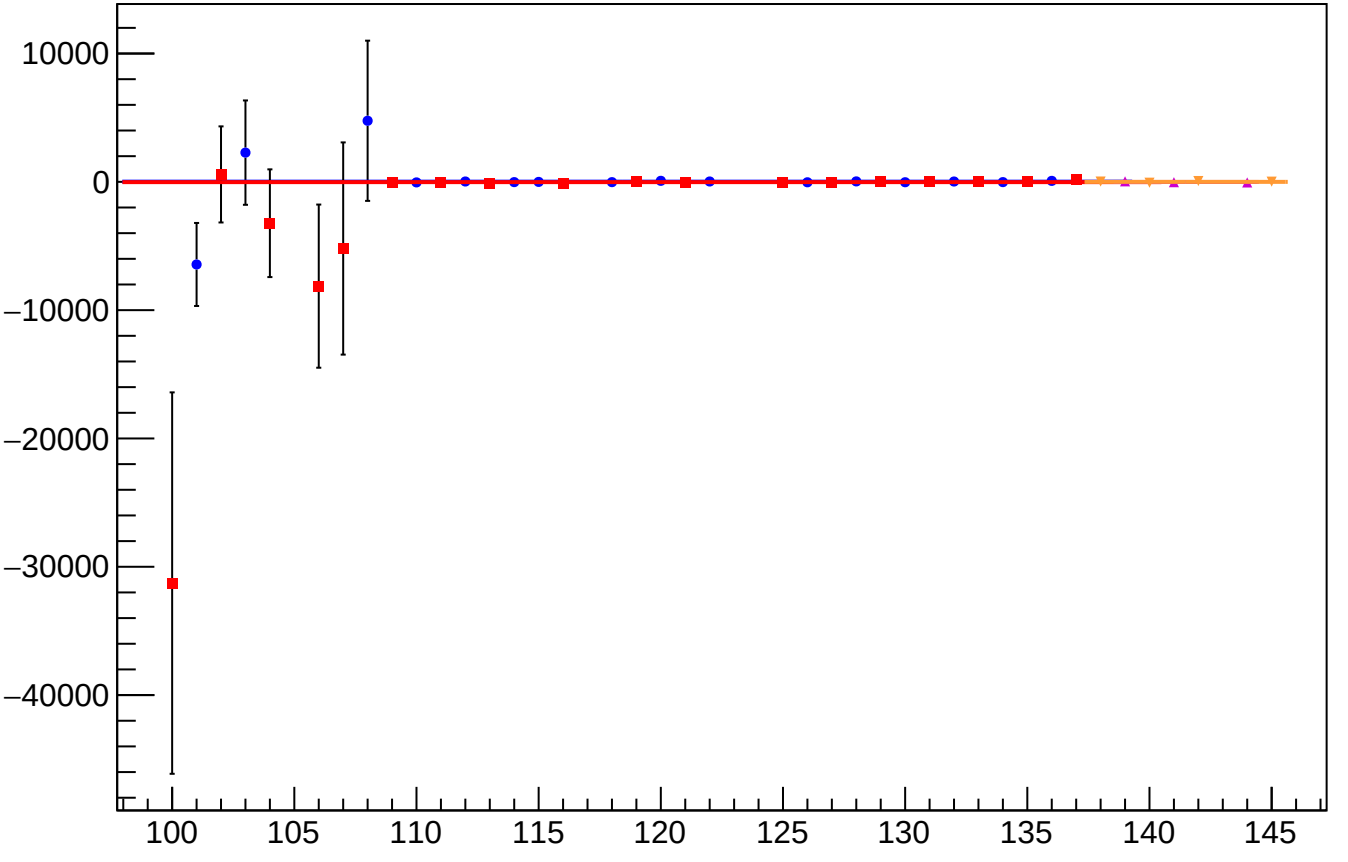
Left In: 223.955+/-0.099 χ^2/NDF:73418.4/2

+ sign 204.118+/-0.052 χ^2/NDF: 4112004.0/19

All: 193.657+/-0.035 χ^2/NDF: 8719911.2/40

- sign 184.404+/-0.049 χ^2/NDF: 4530668.4/20

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

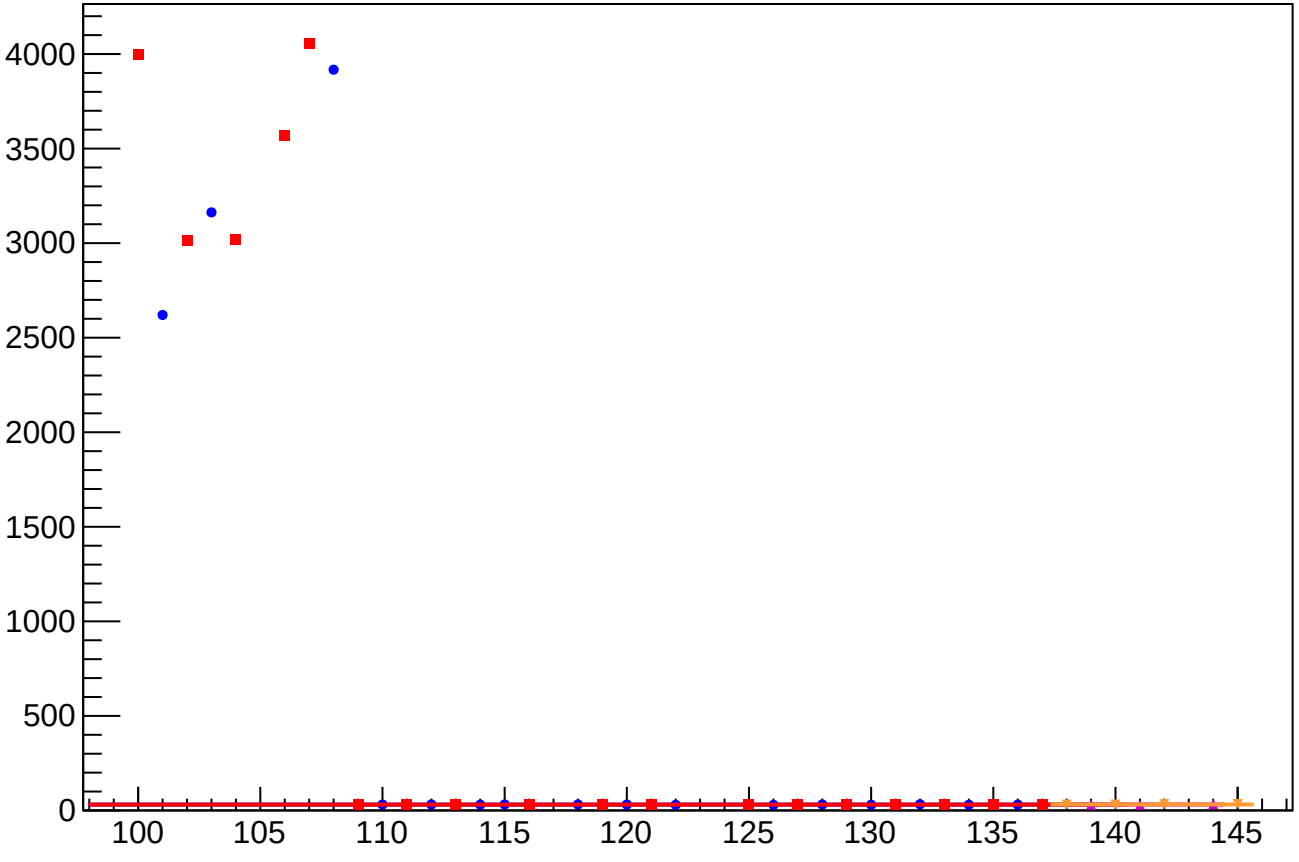
Left In: -10.439+/-19.441 χ^2/NDF:3.6/2

+ sign 8.784+/-10.737 χ^2/NDF: 22.0/19

All: -4.363+/-7.691 χ^2/NDF: 57.3/40

- sign -18.219+/-11.023 χ^2/NDF: 32.2/20

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

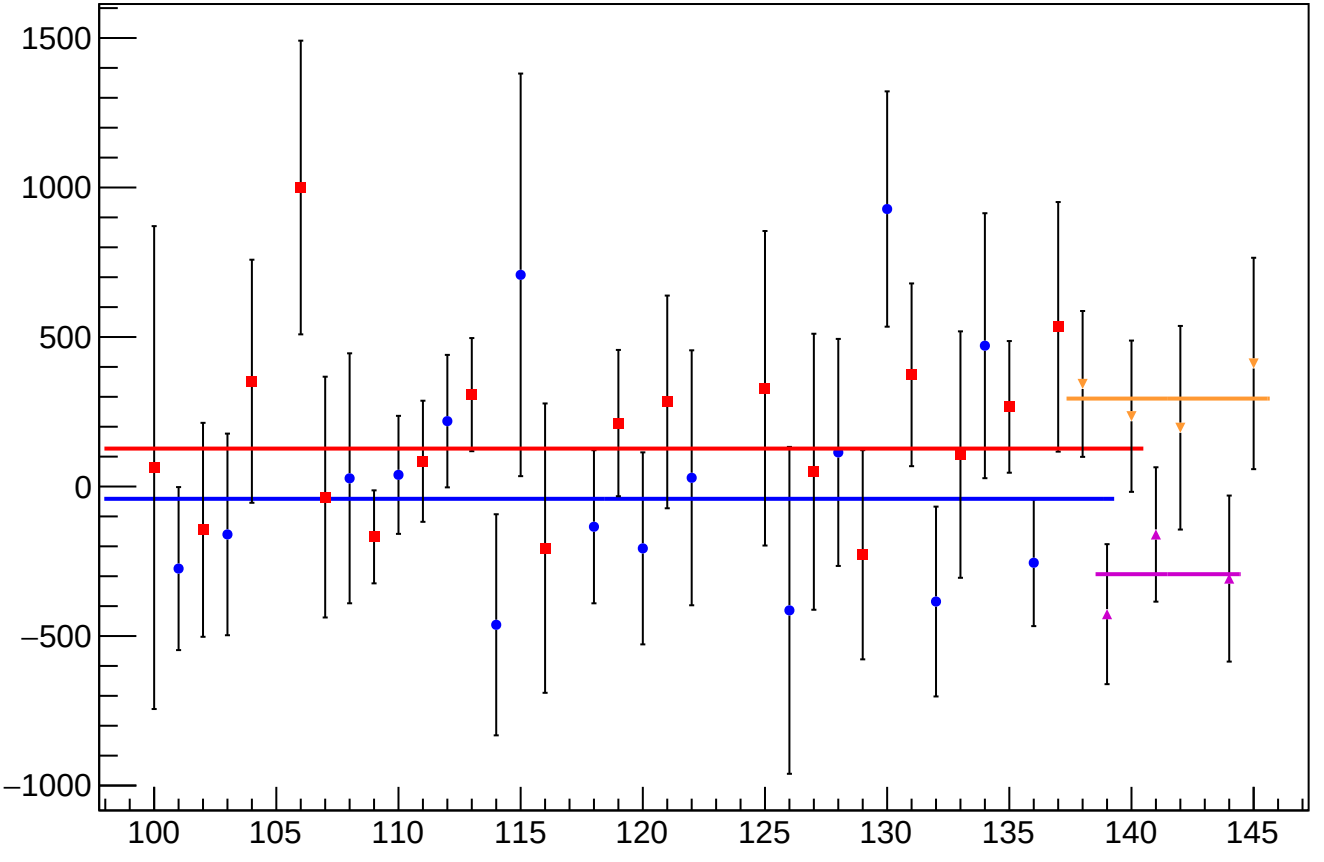
Left In: 31.442+/-0.014 χ^2/NDF:14658.5/2

+ sign 31.229+/-0.008 χ^2/NDF: 3264812.4/19

All: 31.122+/-0.005 χ^2/NDF: 6817300.4/40

- sign 31.009+/-0.008 χ^2/NDF: 3552080.9/20

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

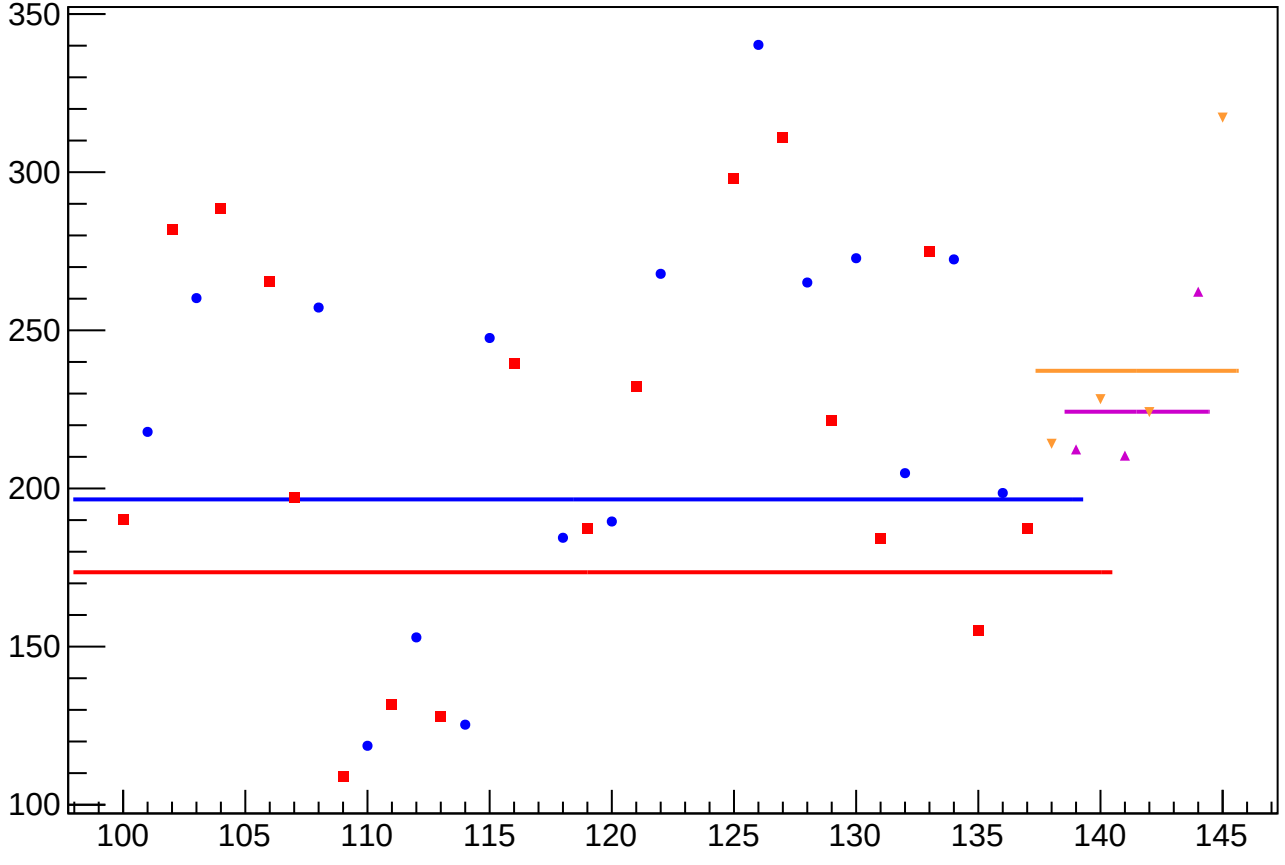
Left In: -293.159+/-140.000 χ^2/NDF:0.7/2

+ sign 34.650+/-67.865 χ^2/NDF: 20.2/19

All: 39.772+/-45.841 χ^2/NDF: 40.9/40

- sign 44.070+/-62.167 χ^2/NDF: 20.7/20

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

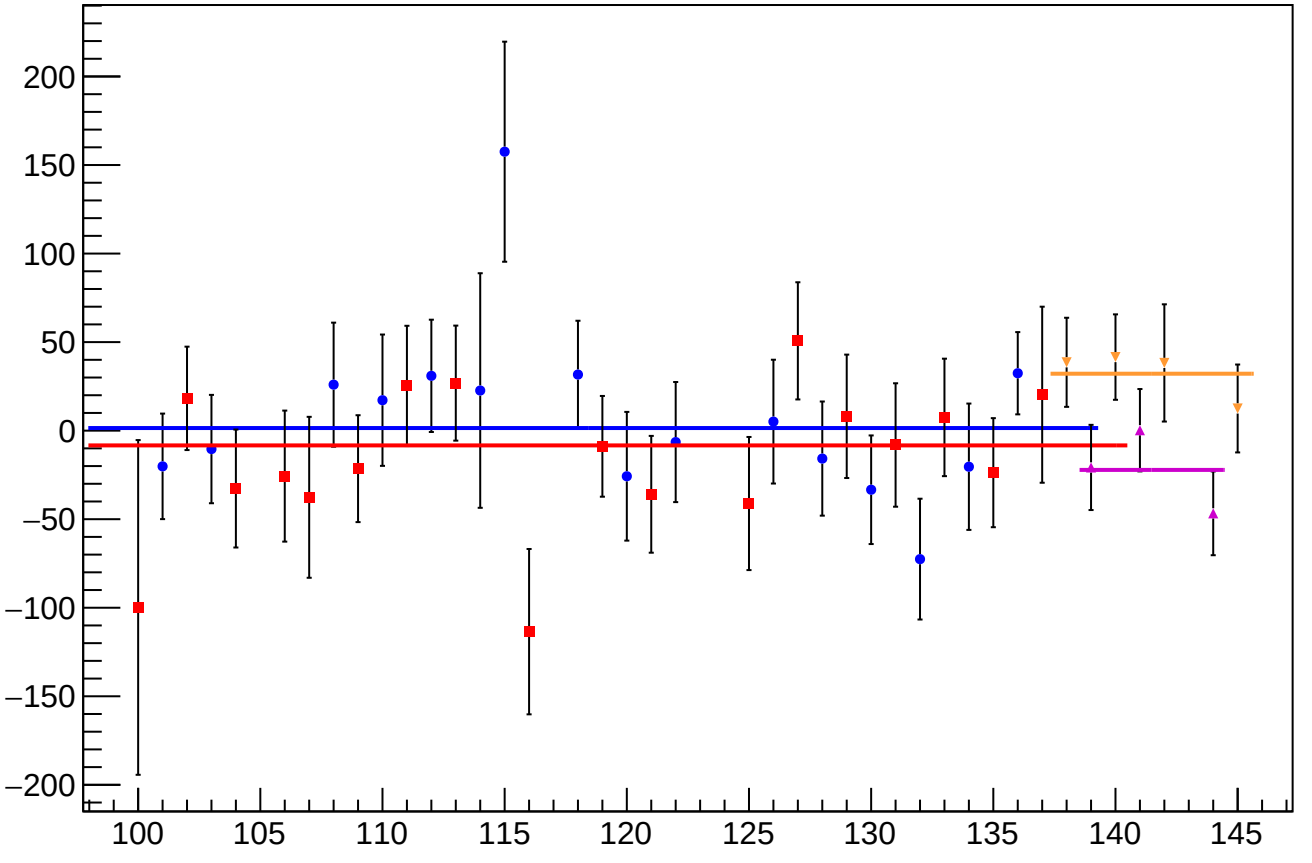
Left In: 224.265+/-0.099 χ^2/NDF:50157.8/2

+ sign 205.731+/-0.048 χ^2/NDF: 1252297.0/19

All: 193.653+/-0.032 χ^2/NDF: 3162727.8/40

- sign 183.517+/-0.044 χ^2/NDF: 1793914.8/20

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

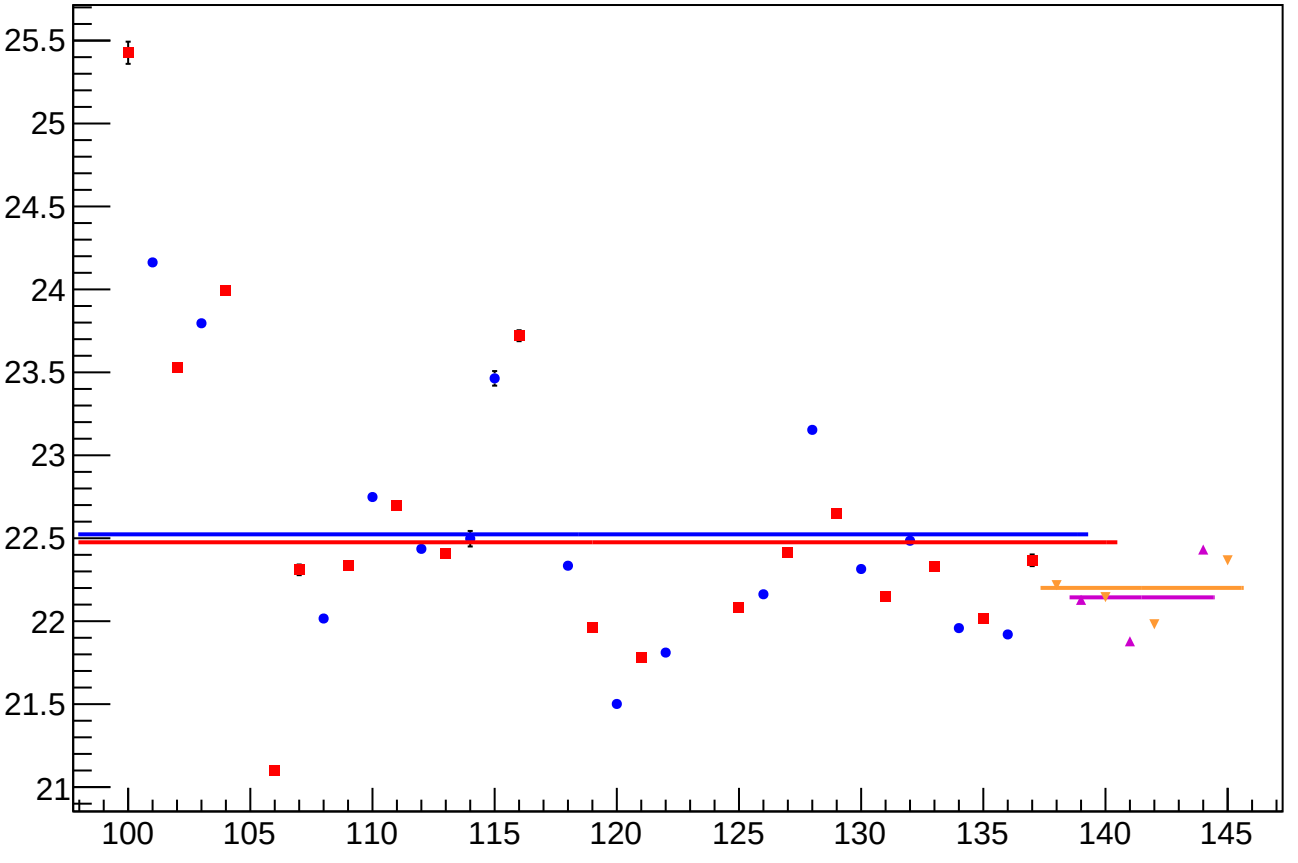
Left In: -22.169+/-13.653 χ^2/NDF:2.0/2

+ sign 10.377+/-7.052 χ^2/NDF: 23.4/19

All: -0.789+/-4.998 χ^2/NDF: 47.3/40

- sign -12.054+/-7.083 χ^2/NDF: 18.8/20

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

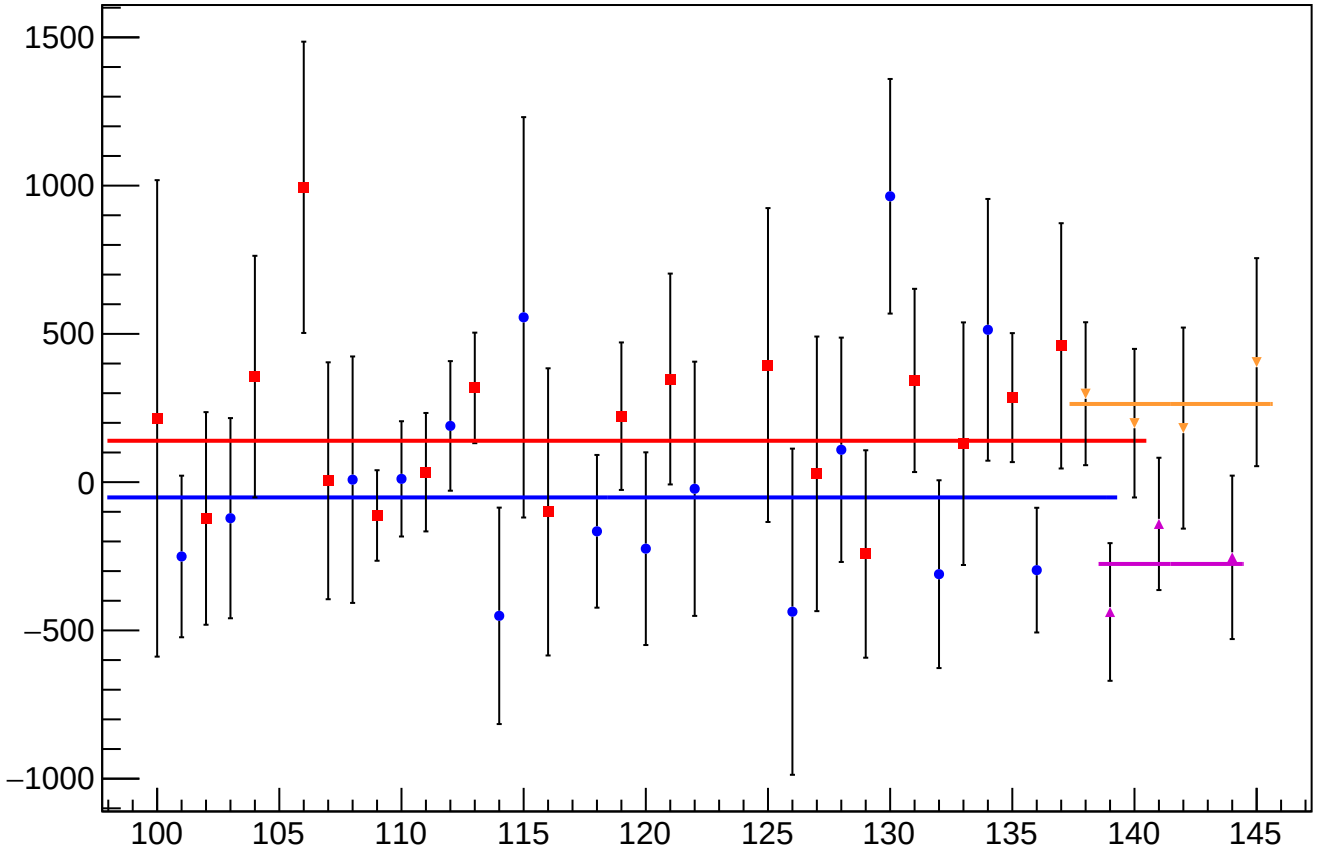
Left In: 22.144+/-0.010 χ^2/NDF:557.0/2

\+ sign 22.430+/-0.005 χ^2/NDF: 17000.2/19

All: 22.408+/-0.004 χ^2/NDF: 33995.9/40

\- sign 22.386+/-0.005 χ^2/NDF: 16957.7/20

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

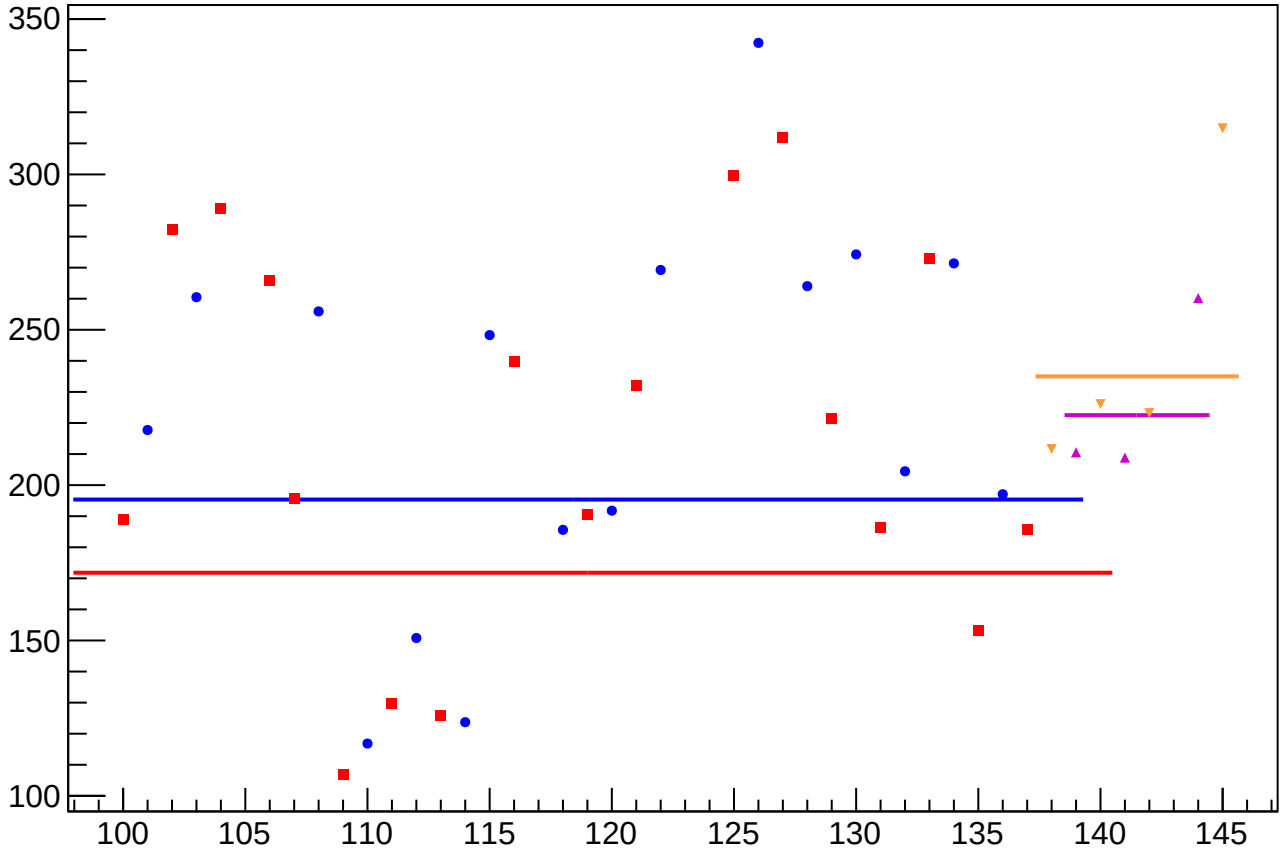
Left In: -275.836+/-138.926 χ^2/NDF:0.9/2

+ sign 20.248+/-67.494 χ^2/NDF: 19.5/19

All: 40.573+/-45.546 χ^2/NDF: 39.2/40

- sign 57.569+/-61.717 χ^2/NDF: 19.6/20

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

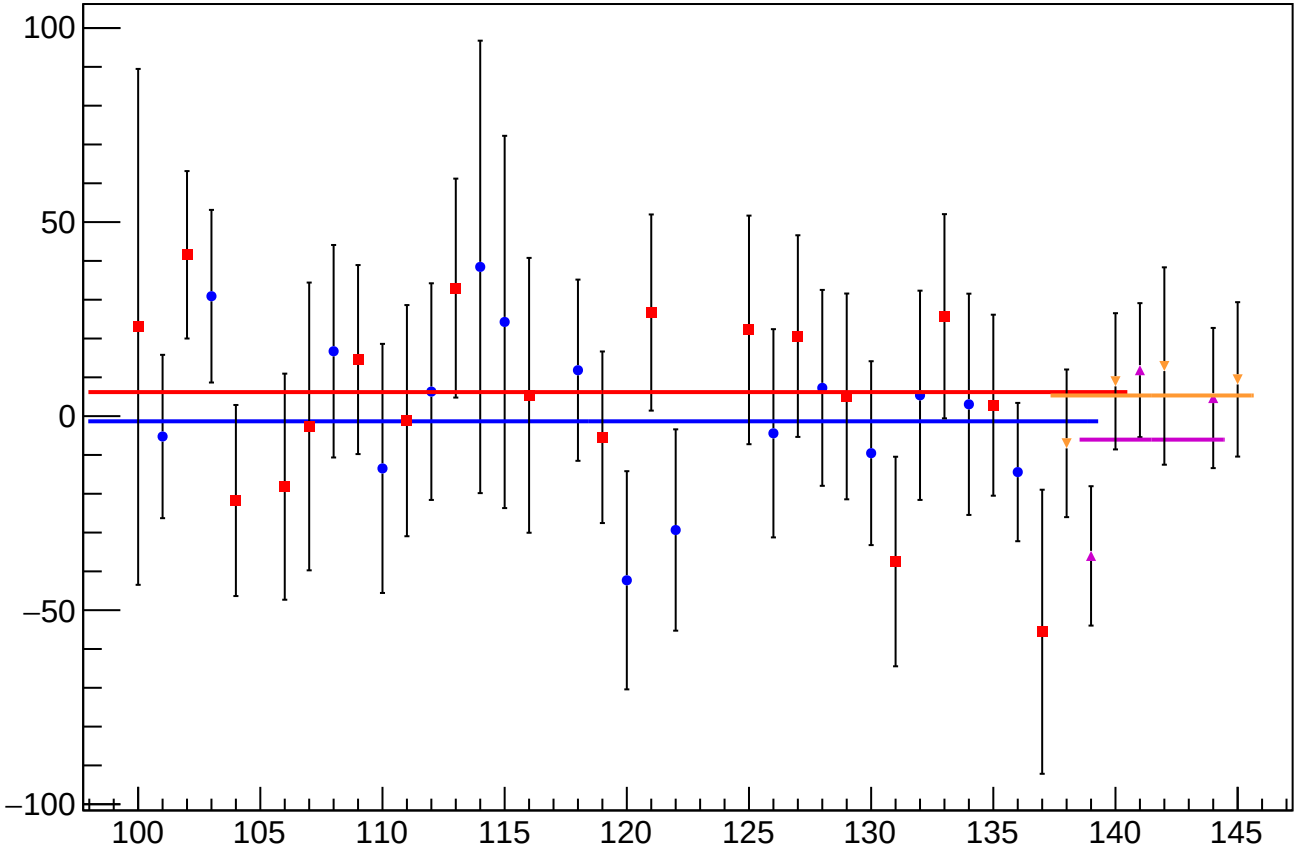
Left In: 222.522+/-0.098 χ^2/NDF:50265.8/2

+ sign 204.385+/-0.048 χ^2/NDF: 1290209.3/19

All: 192.093+/-0.032 χ^2/NDF: 3276894.2/40

- sign 181.814+/-0.044 χ^2/NDF: 1864867.6/20

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

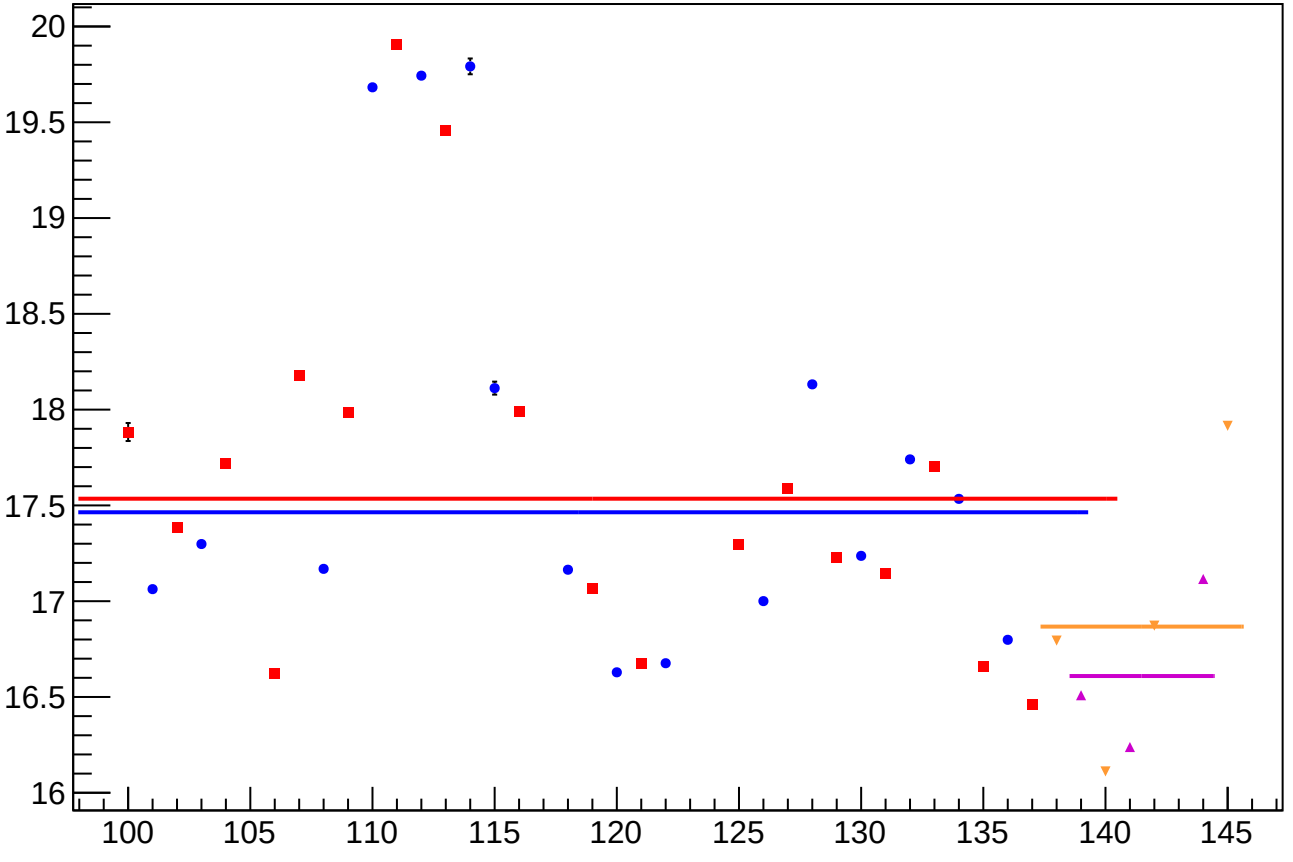
Left In: -6.055+/-10.249 χ^2/NDF:4.2/2

\+ sign 0.657+/-5.442 χ^2/NDF: 8.9/19

All: 1.674+/-3.859 χ^2/NDF: 27.7/40

\- sign 2.702+/-5.473 χ^2/NDF: 18.7/20

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

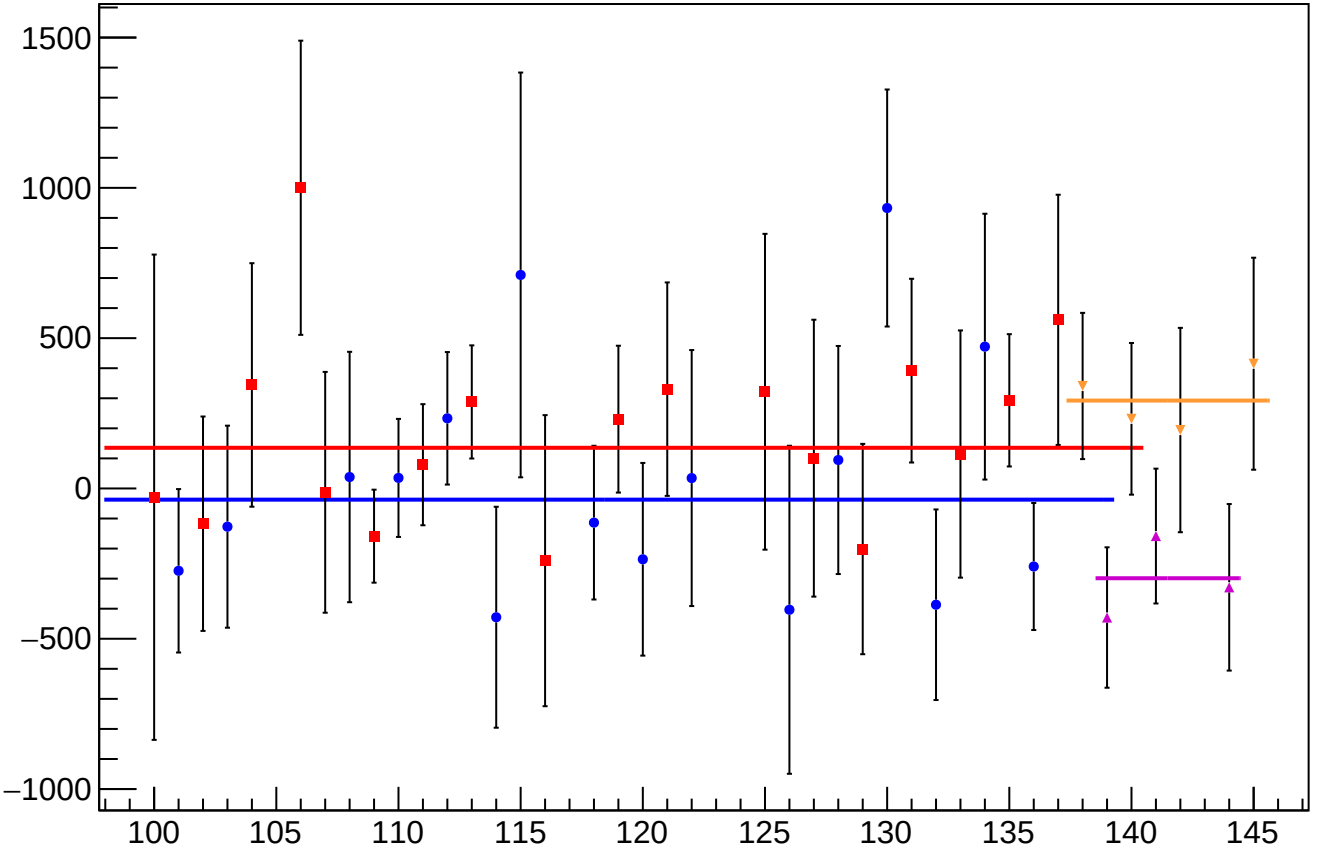
Left In: 16.609+/-0.007 χ^2/NDF:2557.2/2

\+ sign 17.286+/-0.004 χ^2/NDF: 50979.3/19

All: 17.279+/-0.003 χ^2/NDF: 99681.9/40

\- sign 17.271+/-0.004 χ^2/NDF: 48695.2/20

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

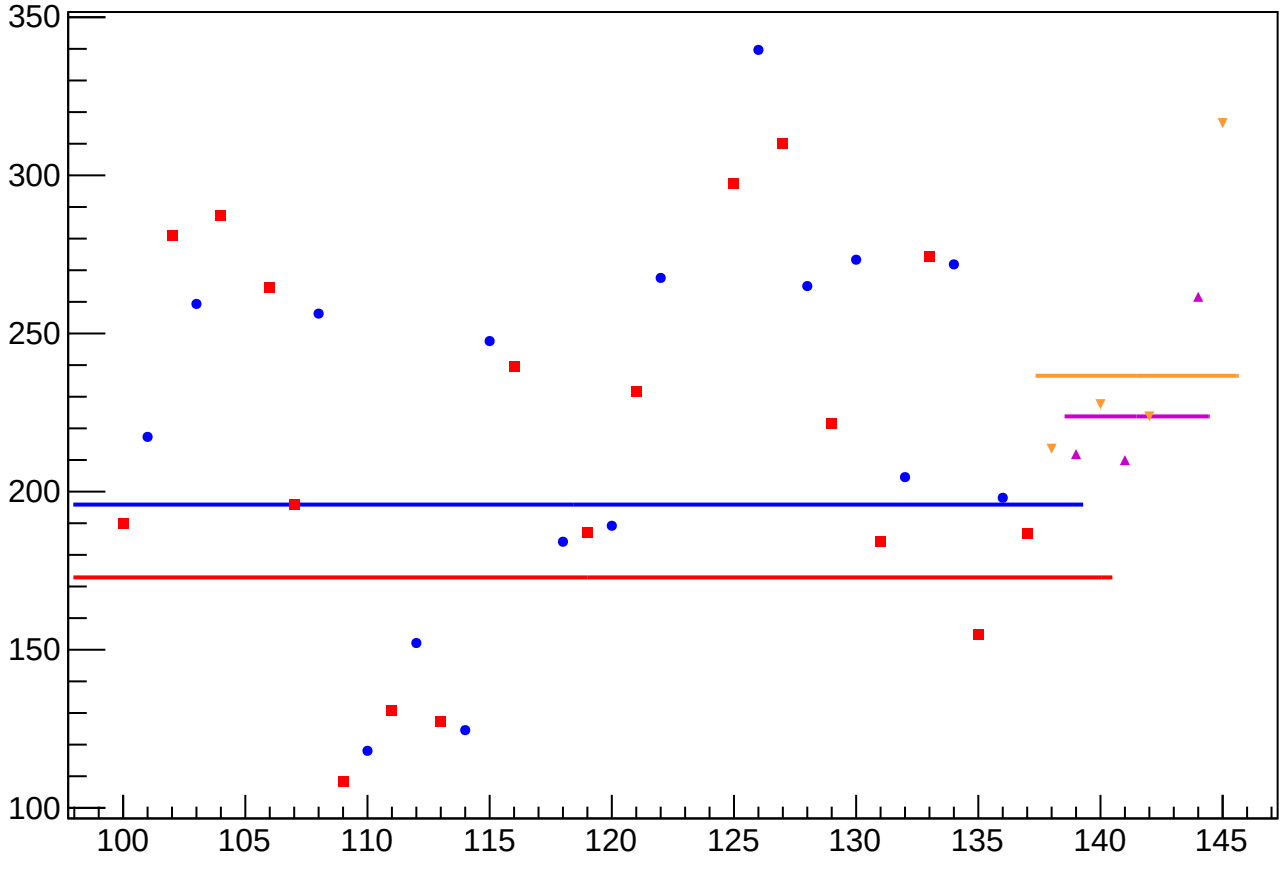
Left In: -298.665+/-139.697 χ^2/NDF:0.7/2

+ sign 37.213+/-67.675 χ^2/NDF: 20.1/19

All: 44.093+/-45.707 χ^2/NDF: 41.4/40

- sign 49.863+/-61.978 χ^2/NDF: 21.3/20

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

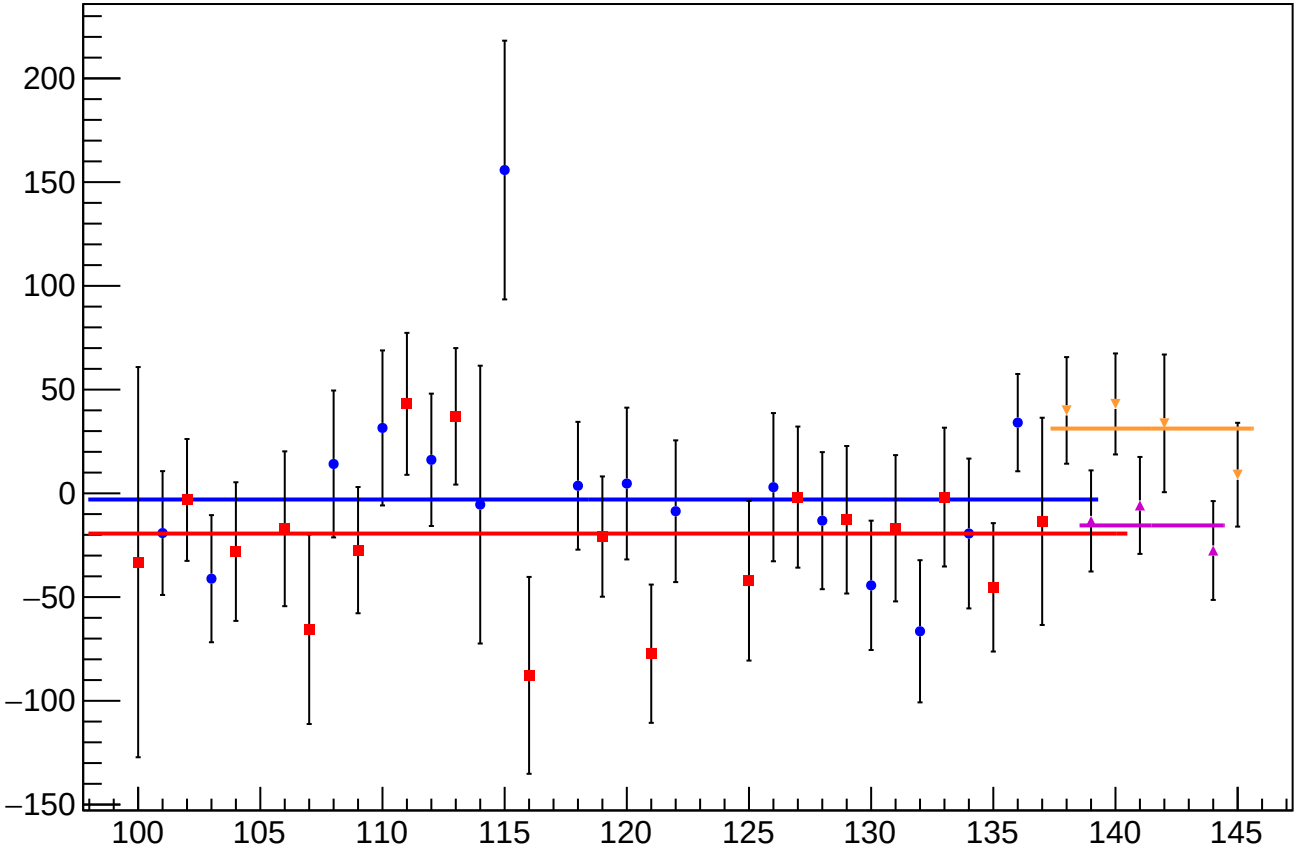
Left In: 223.779+/-0.099 χ^2/NDF:50100.8/2

+ sign 205.097+/-0.048 χ^2/NDF: 1263683.8/19

All: 193.021+/-0.032 χ^2/NDF: 3187429.4/40

- sign 182.893+/-0.044 χ^2/NDF: 1806659.6/20

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

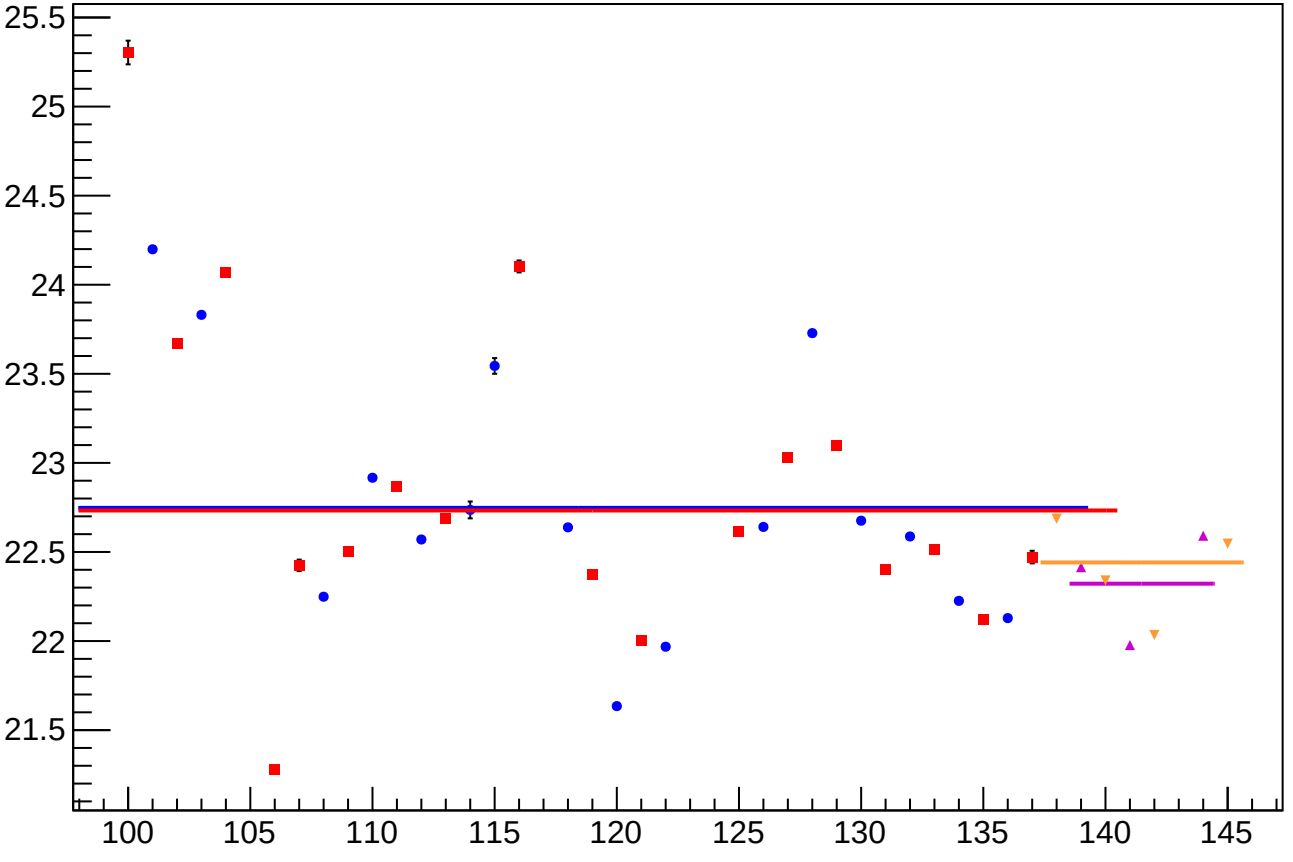
Left In: -15.464+/-13.764 χ^2/NDF:0.4/2

+ sign 6.940+/-7.125 χ^2/NDF: 23.8/19

All: -5.633+/-5.050 χ^2/NDF: 45.1/40

- sign -18.326+/-7.159 χ^2/NDF: 15.0/20

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

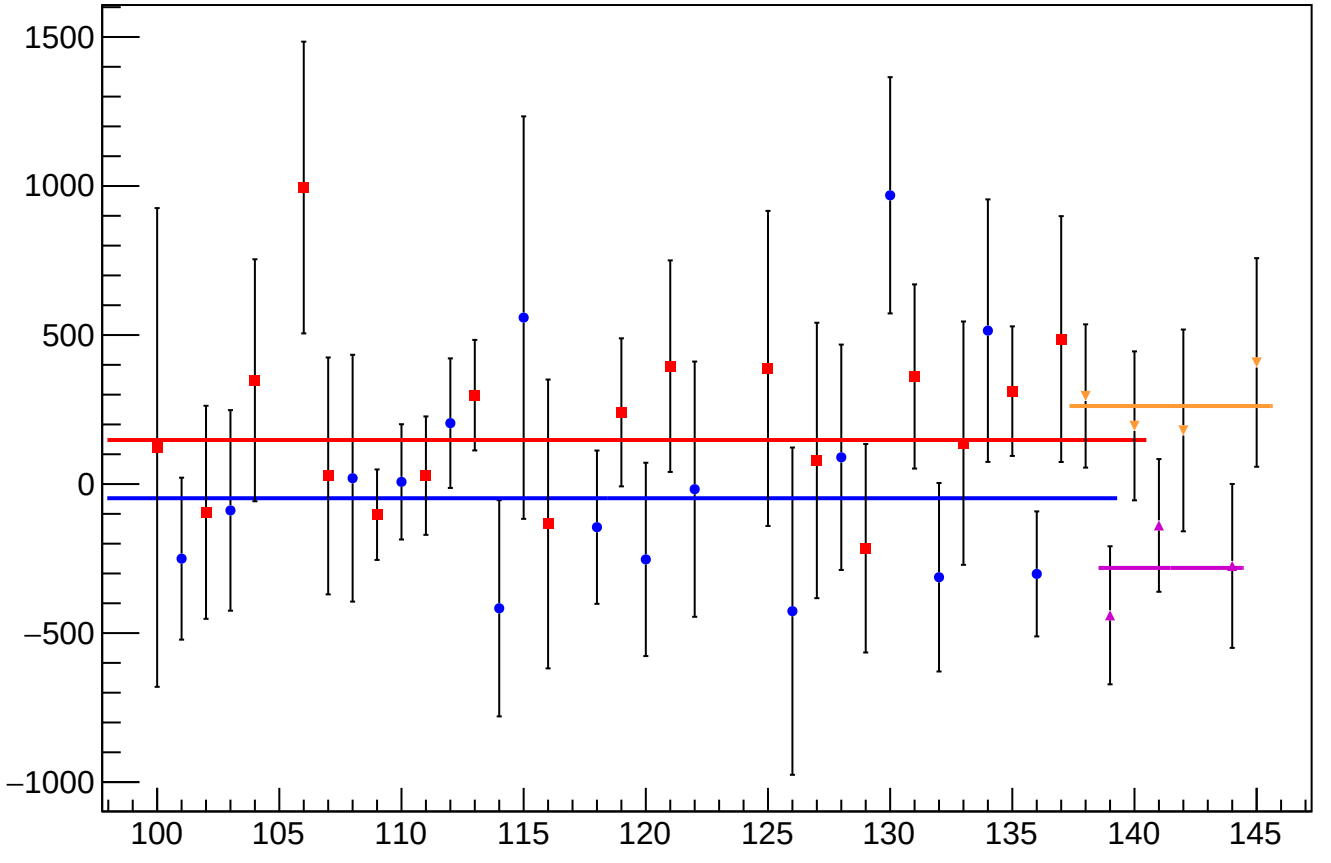
Left In: 22.322+/-0.010 χ^2/NDF:718.7/2

\+ sign 22.659+/-0.005 χ^2/NDF: 15936.2/19

All: 22.640+/-0.004 χ^2/NDF: 32371.7/40

\- sign 22.622+/-0.005 χ^2/NDF: 16408.7/20

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

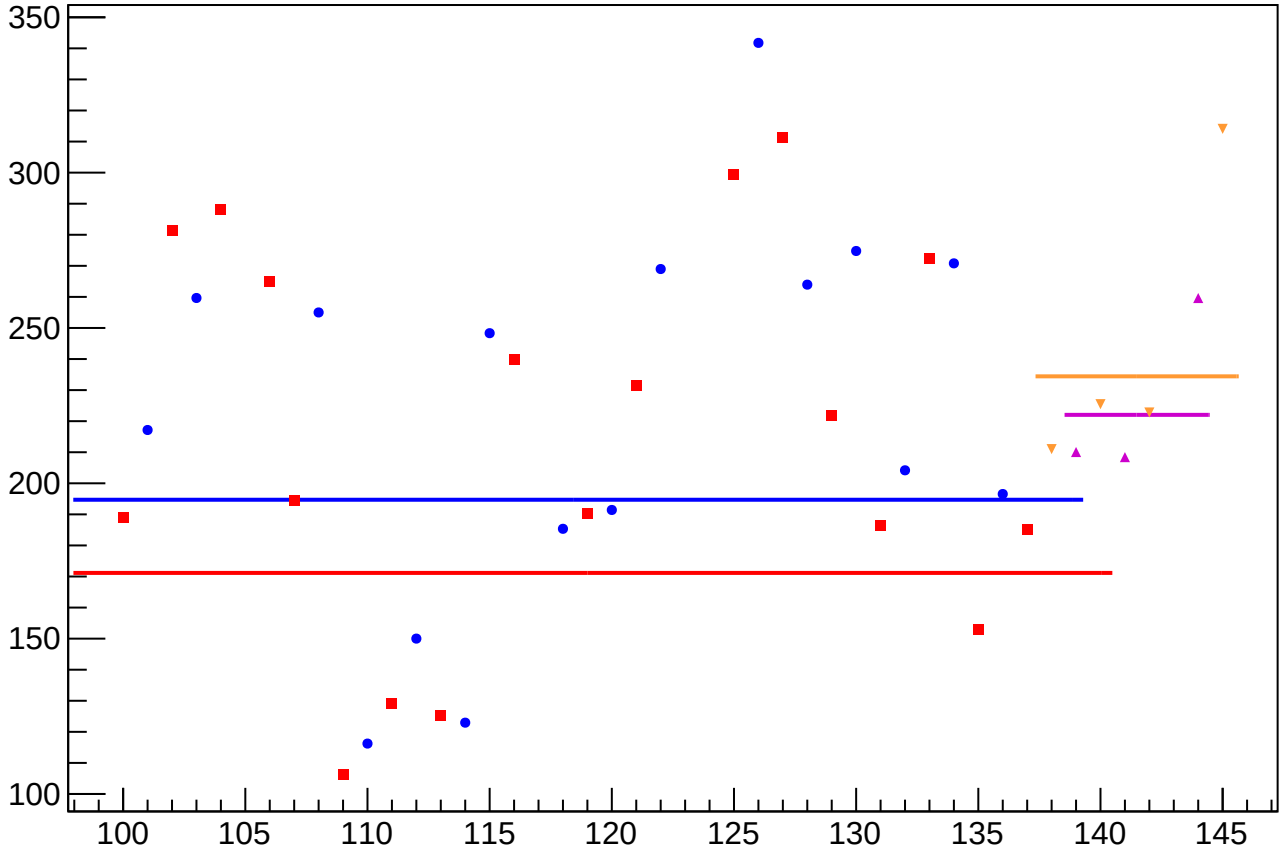
Left In: -281.352+/-138.621 χ^2/NDF:0.9/2

+ sign 22.824+/-67.302 χ^2/NDF: 19.4/19

All: 44.855+/-45.410 χ^2/NDF: 39.7/40

- sign 63.267+/-61.526 χ^2/NDF: 20.1/20

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

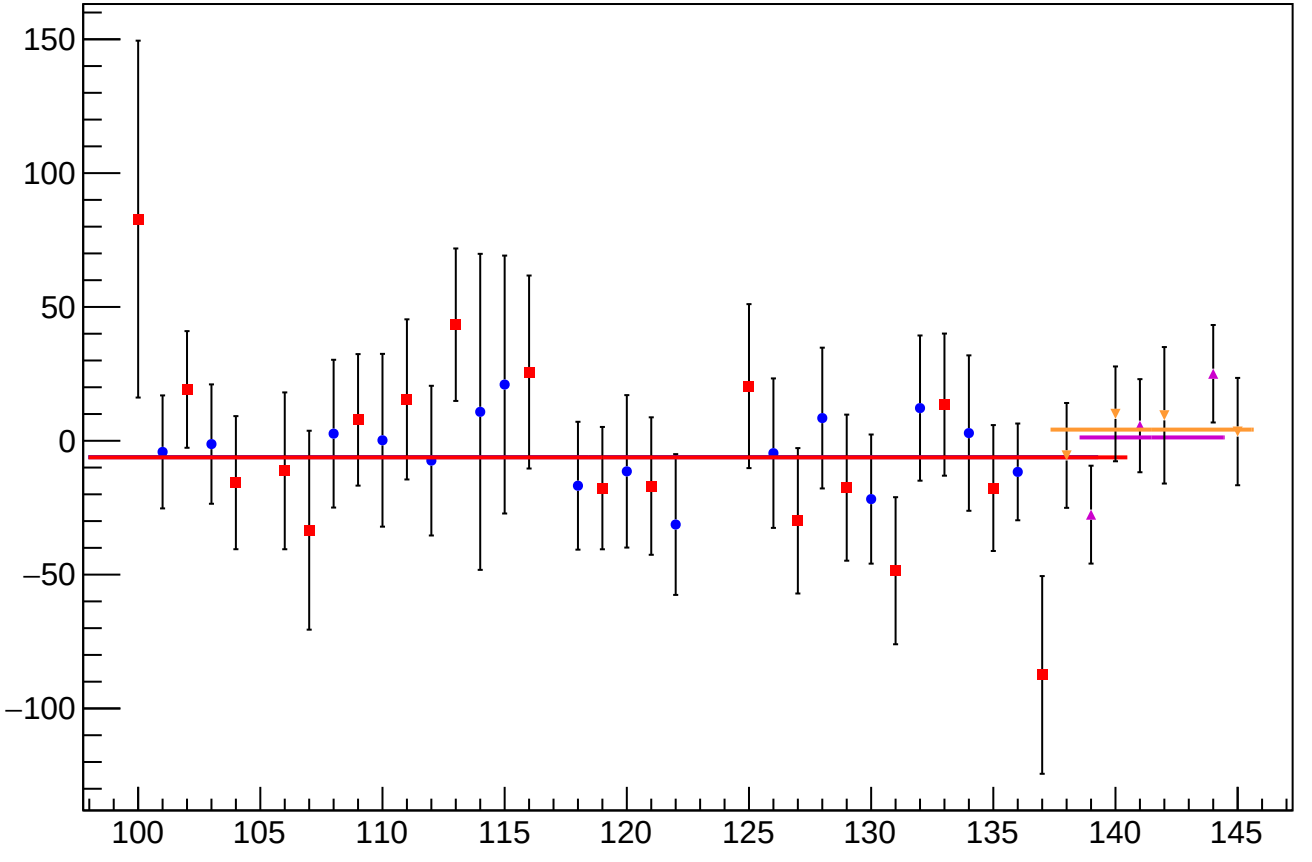
Left In: 222.032+/-0.098 χ^2/NDF:50213.6/2

+ sign 203.742+/-0.048 χ^2/NDF: 1302262.6/19

All: 191.451+/-0.032 χ^2/NDF: 3303196.6/40

- sign 181.179+/-0.044 χ^2/NDF: 1878475.7/20

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

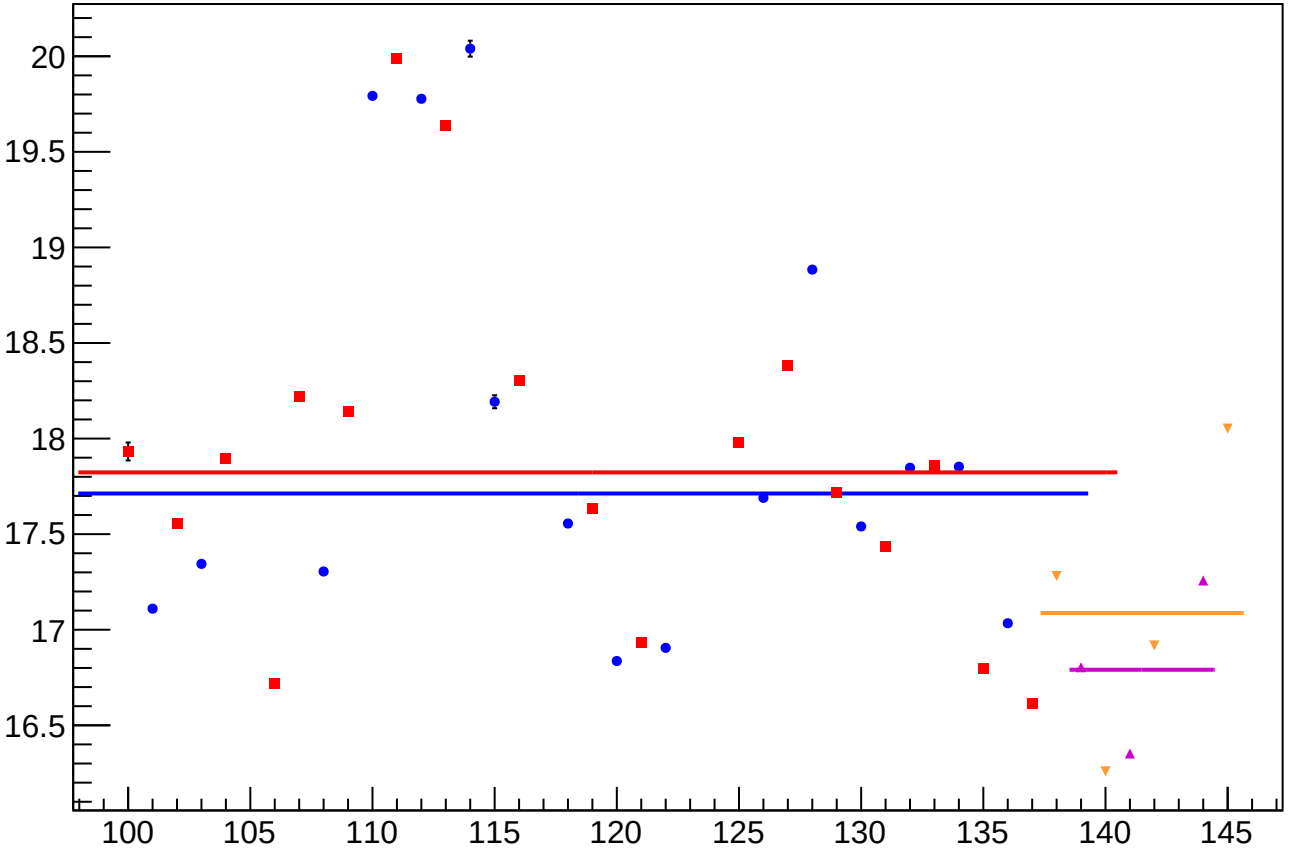
Left In: 1.252+/-10.363 χ^2/NDF:4.3/2

+ sign -3.040+/-5.519 χ^2/NDF: 4.3/19

All: -3.544+/-3.915 χ^2/NDF: 27.5/40

- sign -4.055+/-5.555 χ^2/NDF: 23.3/20

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

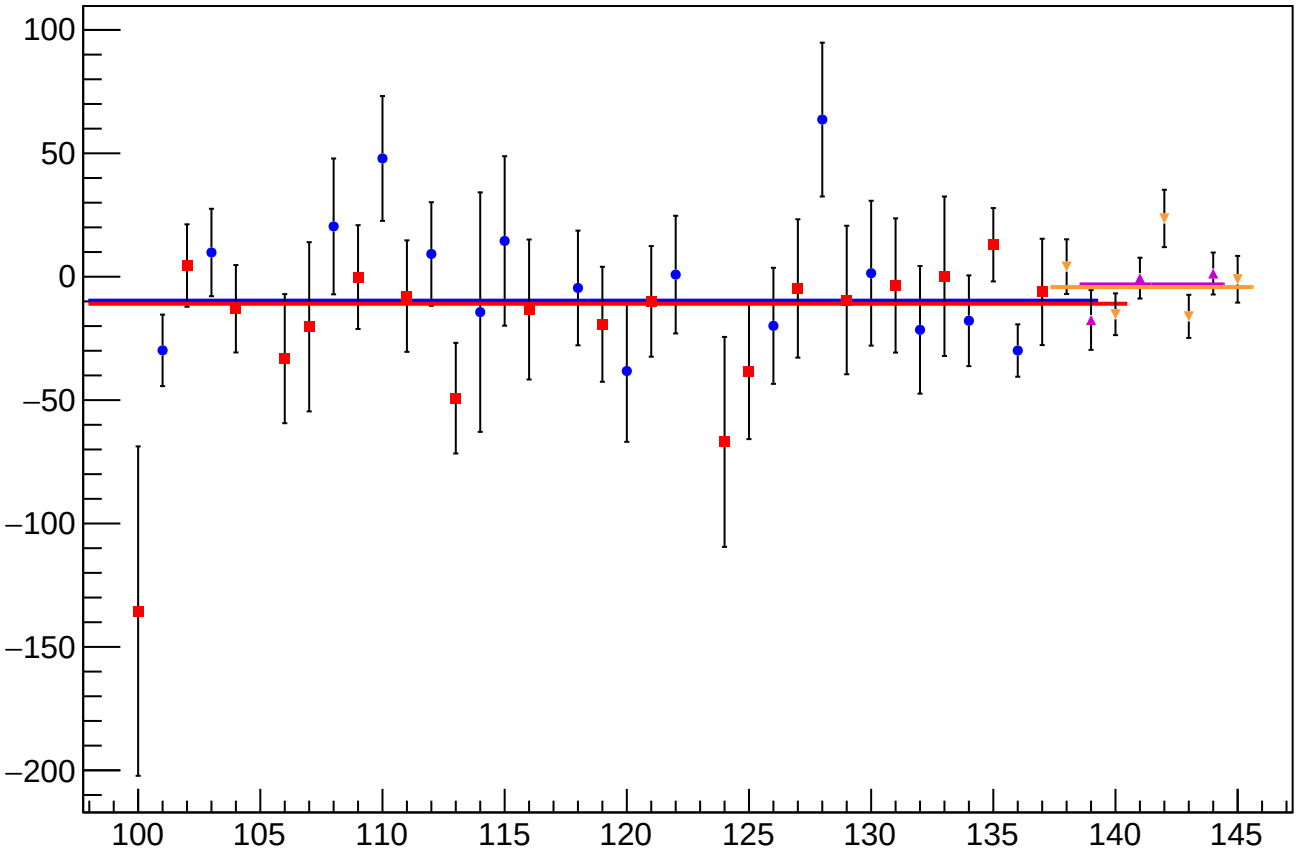
Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.791+/-0.007 χ^2/NDF:2584.0/2

+ sign 17.526+/-0.004 χ^2/NDF: 50651.0/19

All: 17.526+/-0.003 χ^2/NDF: 99886.8/40

- sign 17.527+/-0.004 χ^2/NDF: 49235.8/20



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

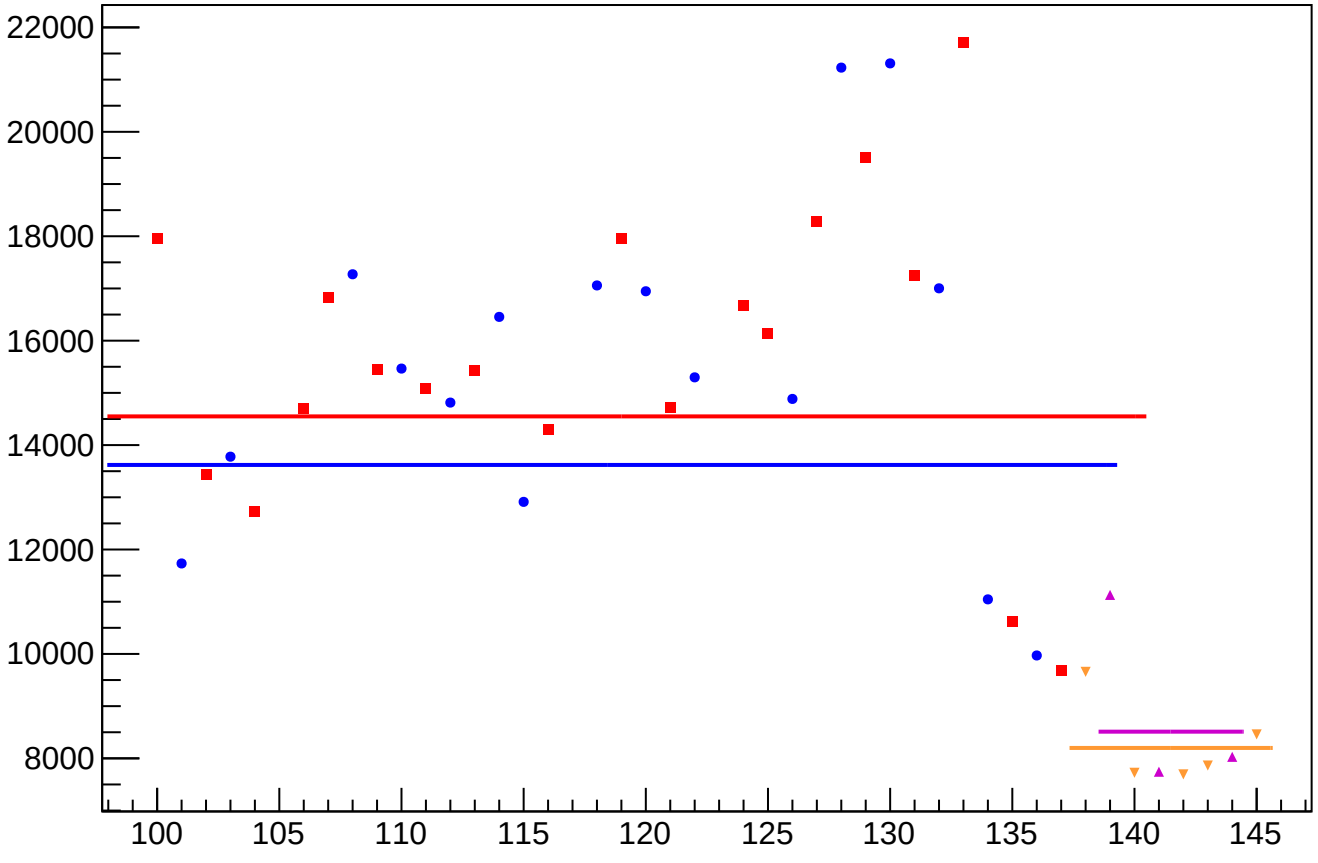
Left In: -3.118+/-5.323 χ^2/NDF:1.8/2

+ sign -6.427+/-3.327 χ^2/NDF: 32.6/20

All: -6.652+/-2.504 χ^2/NDF: 49.5/42

- sign -6.946+/-3.803 χ^2/NDF: 16.9/21

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

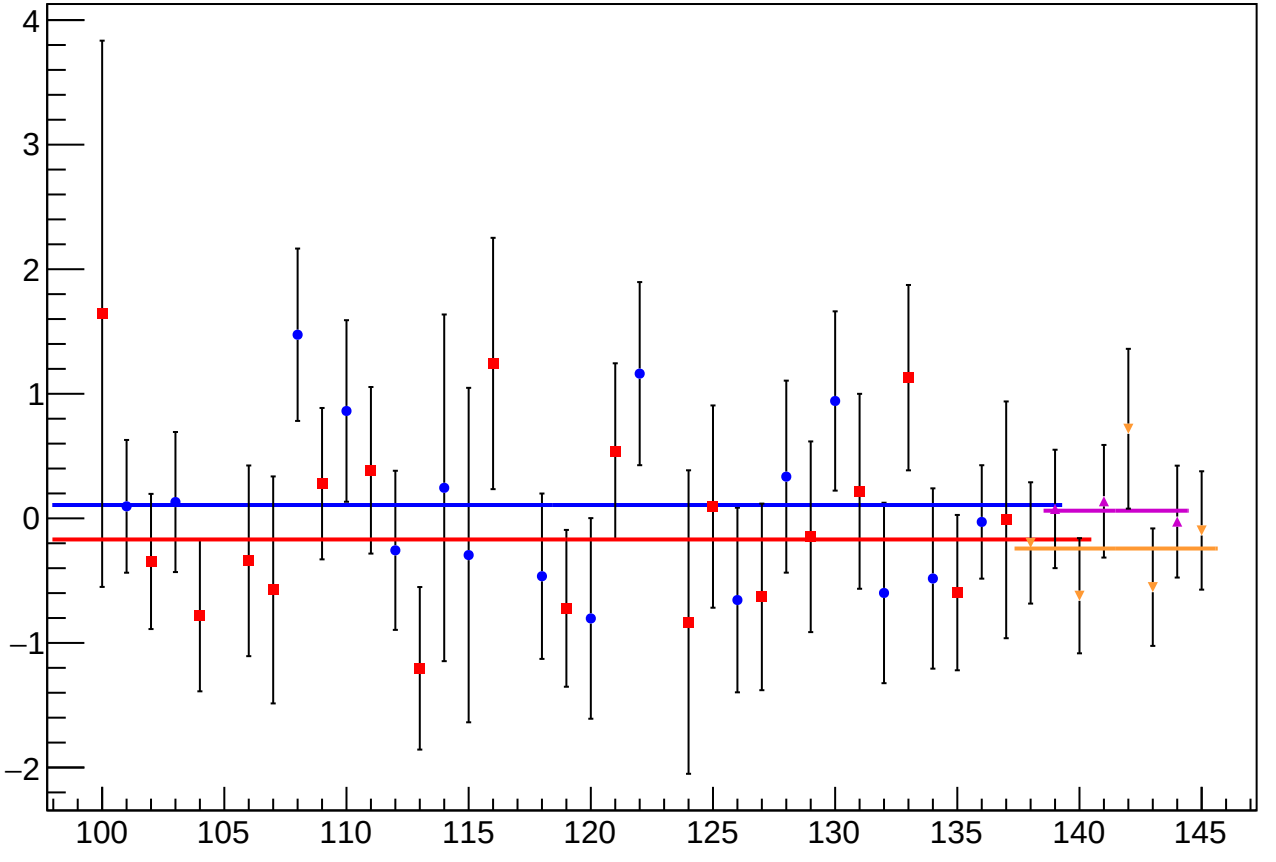
Left In: 8511.208+/-3.764 χ^2/NDF:117334.2/2

+ sign 10391.155+/-2.352 χ^2/NDF: 2075247.7/20

All: 10857.384+/-1.771 χ^2/NDF: 4098969.7/4

- sign 11466.804+/-2.689 χ^2/NDF: 1933084.5/21

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

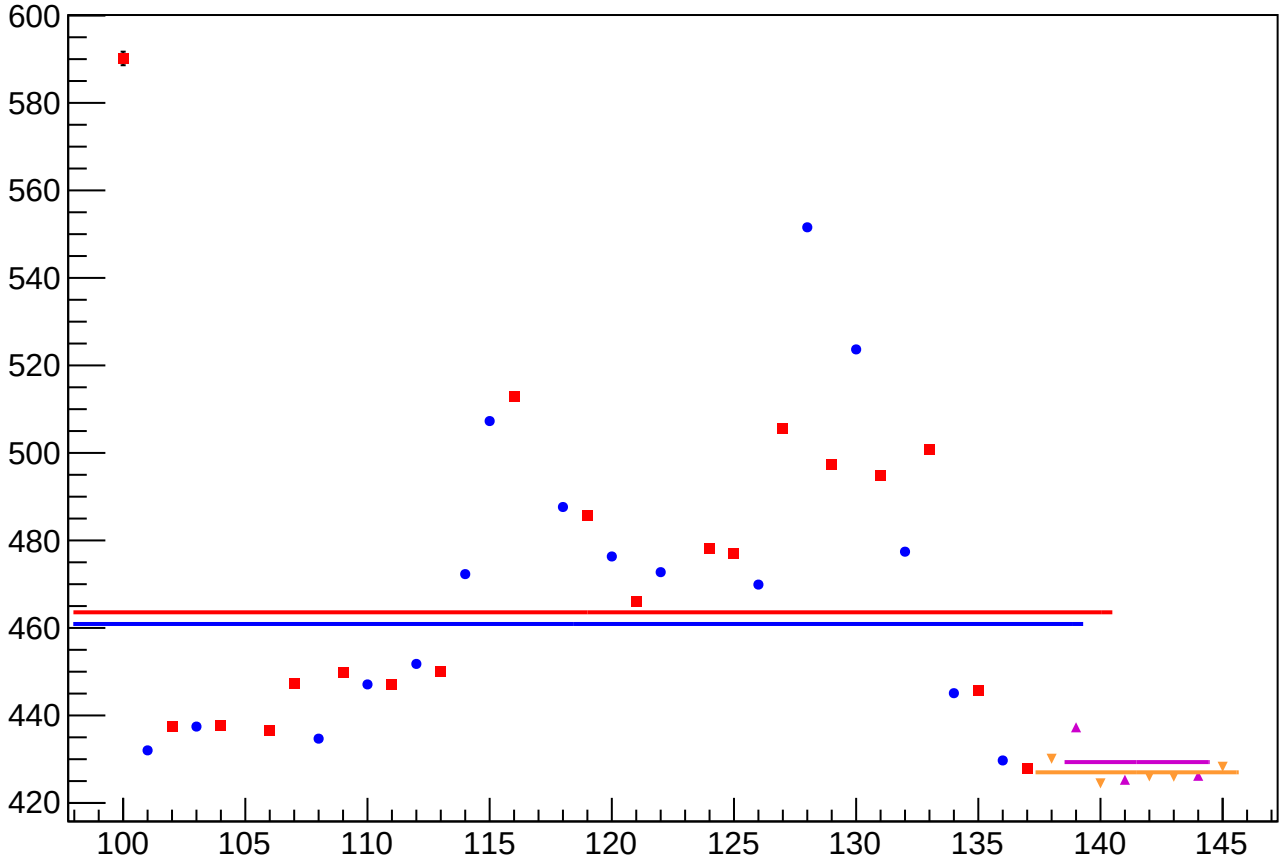
Left In: 0.061+/-0.265 χ^2/NDF:0.1/2

+ sign -0.023+/-0.136 χ^2/NDF: 18.7/20

All: -0.061+/-0.098 χ^2/NDF: 33.6/42

- sign -0.102+/-0.143 χ^2/NDF: 14.7/21

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

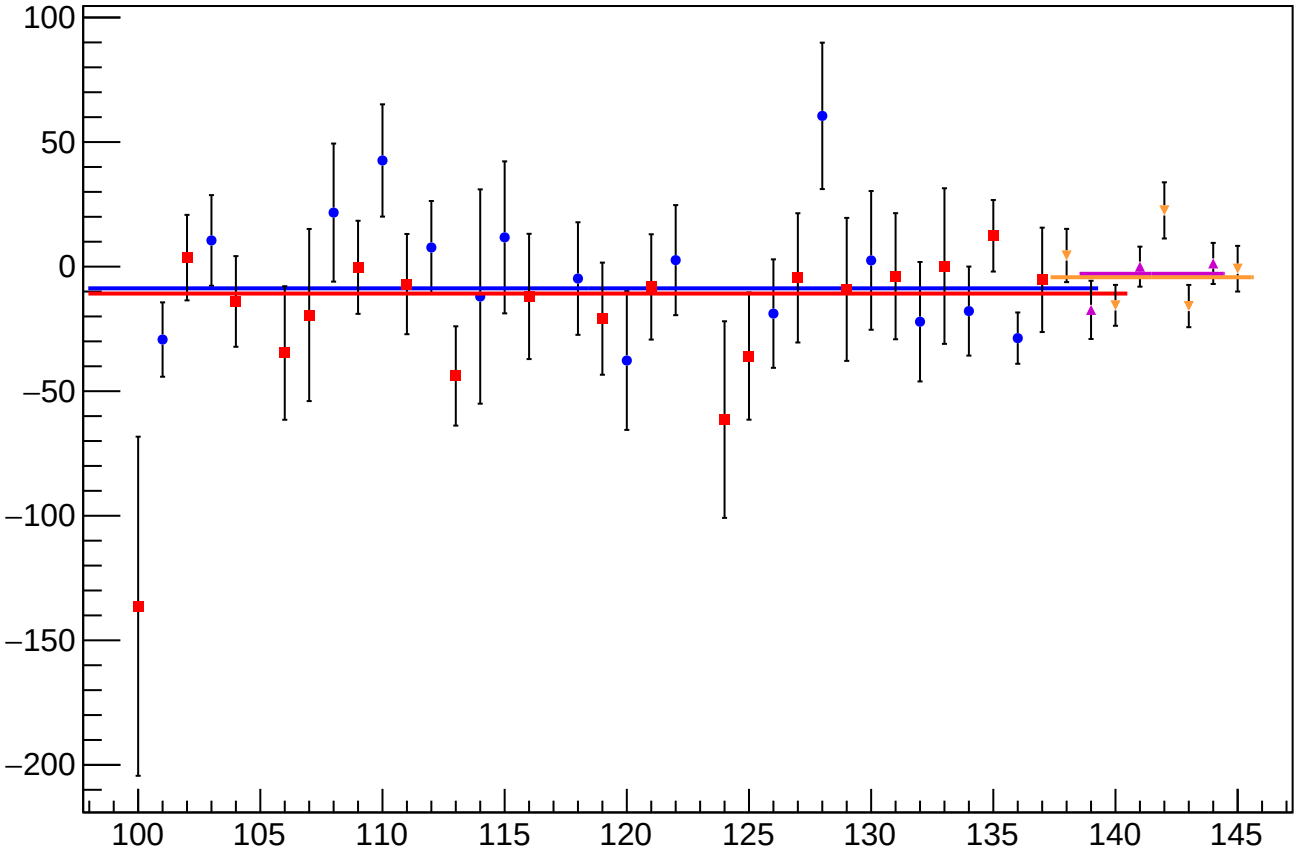
Left In: 429.340+/-0.187 χ^2/NDF:816.4/2

+ sign 448.230+/-0.096 χ^2/NDF: 104249.6/20

All: 450.793+/-0.070 χ^2/NDF: 182472.8/42

- sign 453.621+/-0.101 χ^2/NDF: 76726.0/21

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

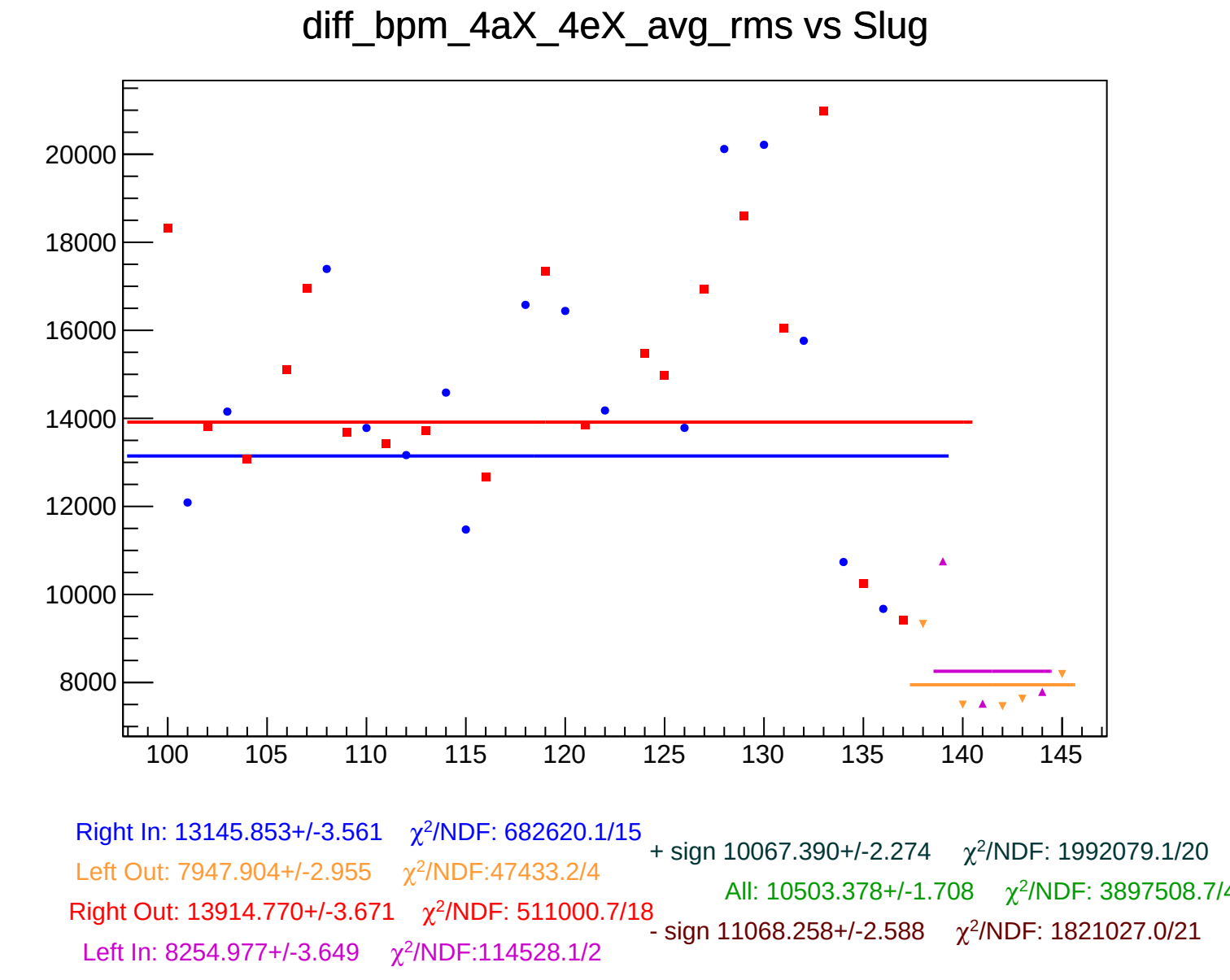
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -2.882+/-5.161 χ^2/NDF:1.9/2

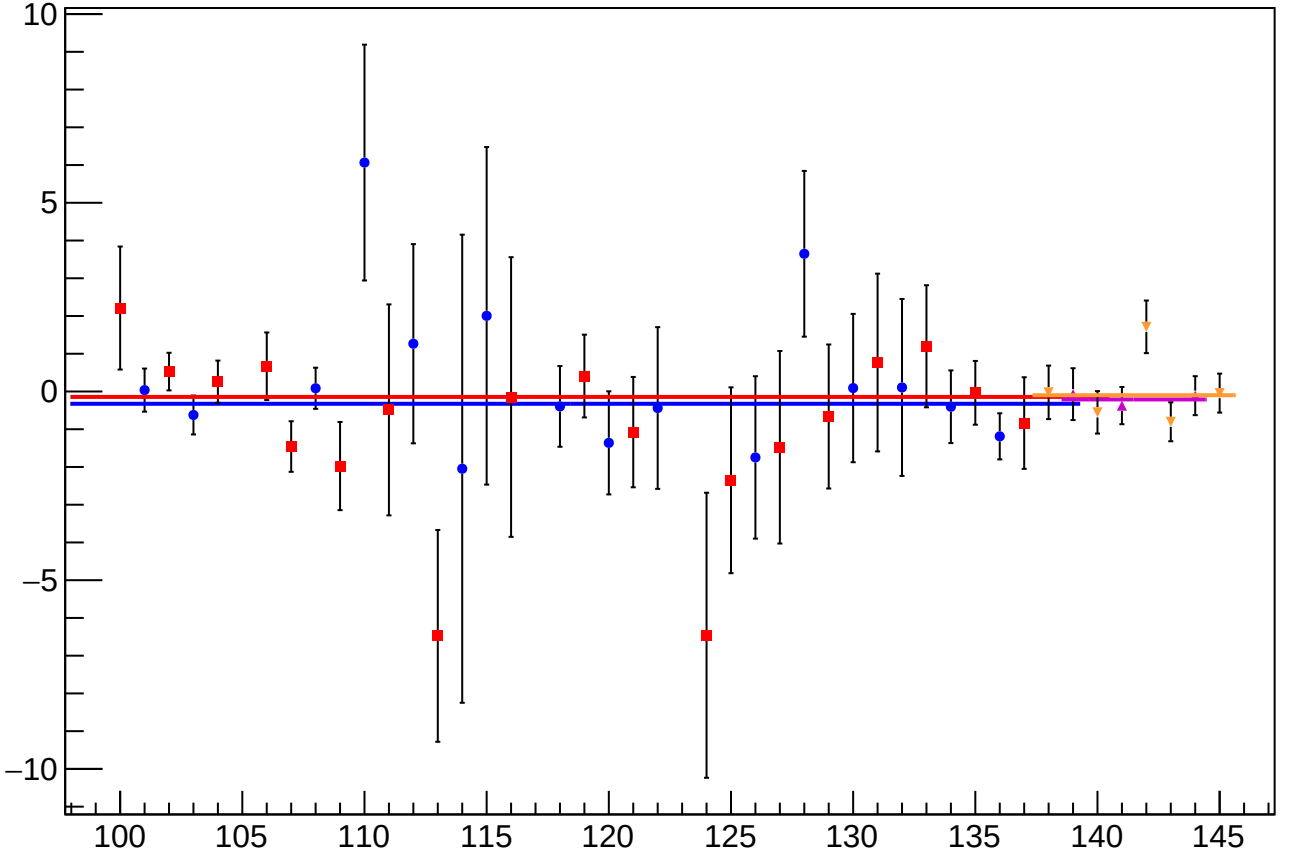
+ sign -6.072+/-3.216 χ^2/NDF: 33.0/20

All: -6.399+/-2.416 χ^2/NDF: 49.9/42

- sign -6.821+/-3.660 χ^2/NDF: 17.0/21


diff_bpm_4aX_4eX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
145
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 7947.904+/-2.955 χ²/NDF:47433.2/4
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8254.977+/-3.649 χ²/NDF:114528.1/2
+ sign 10067.390+/-2.274 χ²/NDF: 1992079.1/20
All: 10503.378+/-1.708 χ²/NDF: 3897508.7/4
- sign 11068.258+/-2.588 χ²/NDF: 1821027.0/21

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

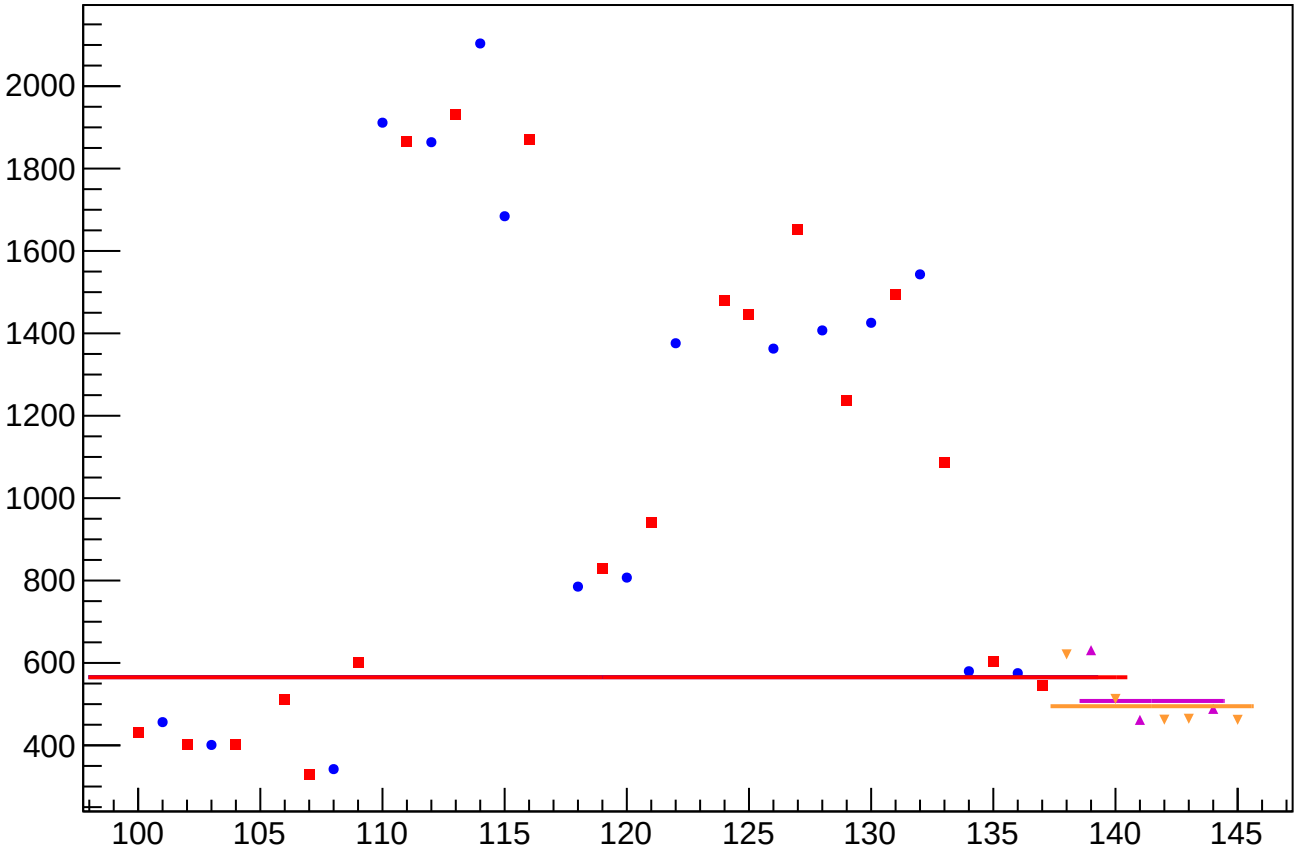
Left In: -0.211+/-0.316 χ^2/NDF:0.2/2

+ sign -0.220+/-0.178 χ^2/NDF: 22.3/20

All: -0.196+/-0.131 χ^2/NDF: 45.0/42

- sign -0.169+/-0.193 χ^2/NDF: 22.7/21

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

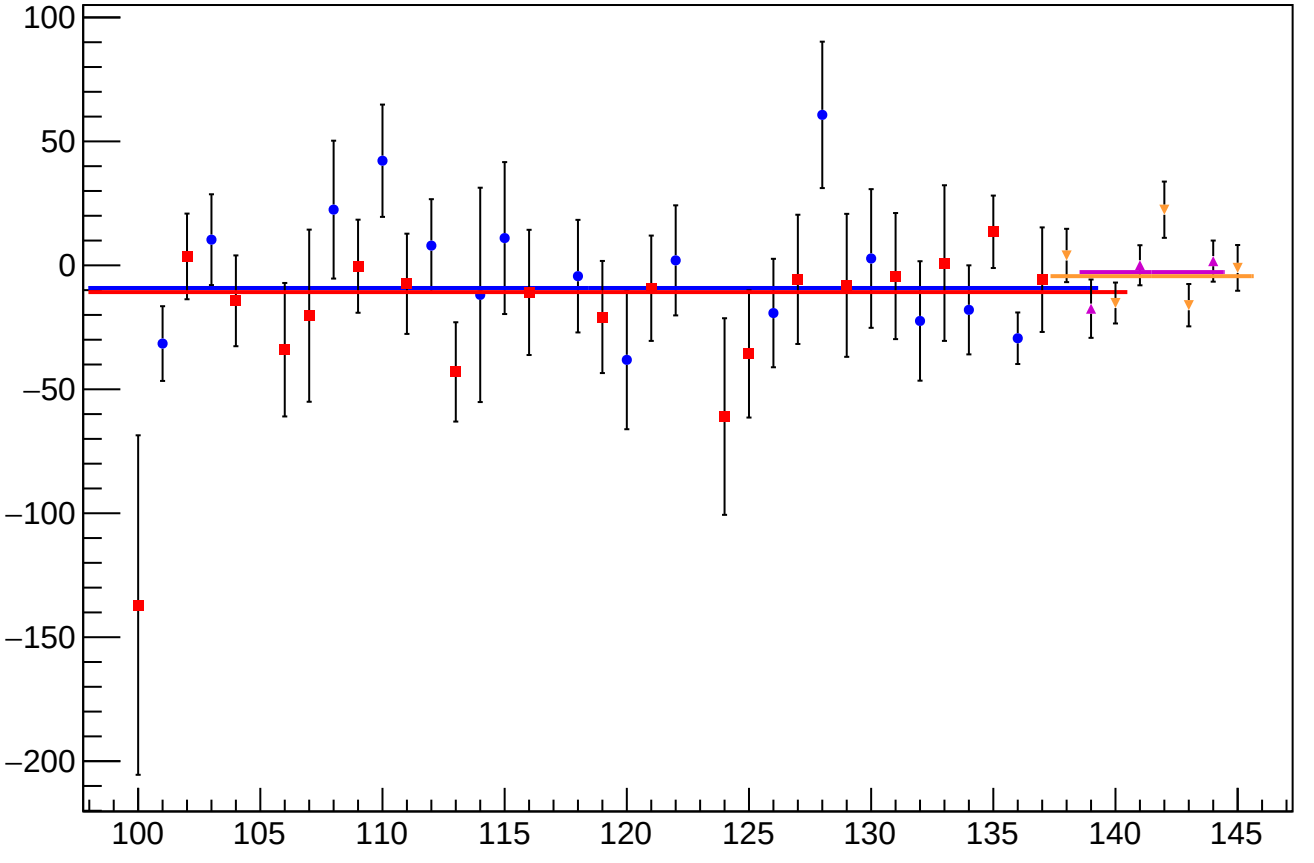
Left In: 507.745+/-0.224 χ^2/NDF:84547.5/2

+ sign 532.534+/-0.126 χ^2/NDF: 3613276.1/20

All: 537.680+/-0.093 χ^2/NDF: 7314427.2/42

- sign 543.744+/-0.137 χ^2/NDF: 3697516.1/21

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

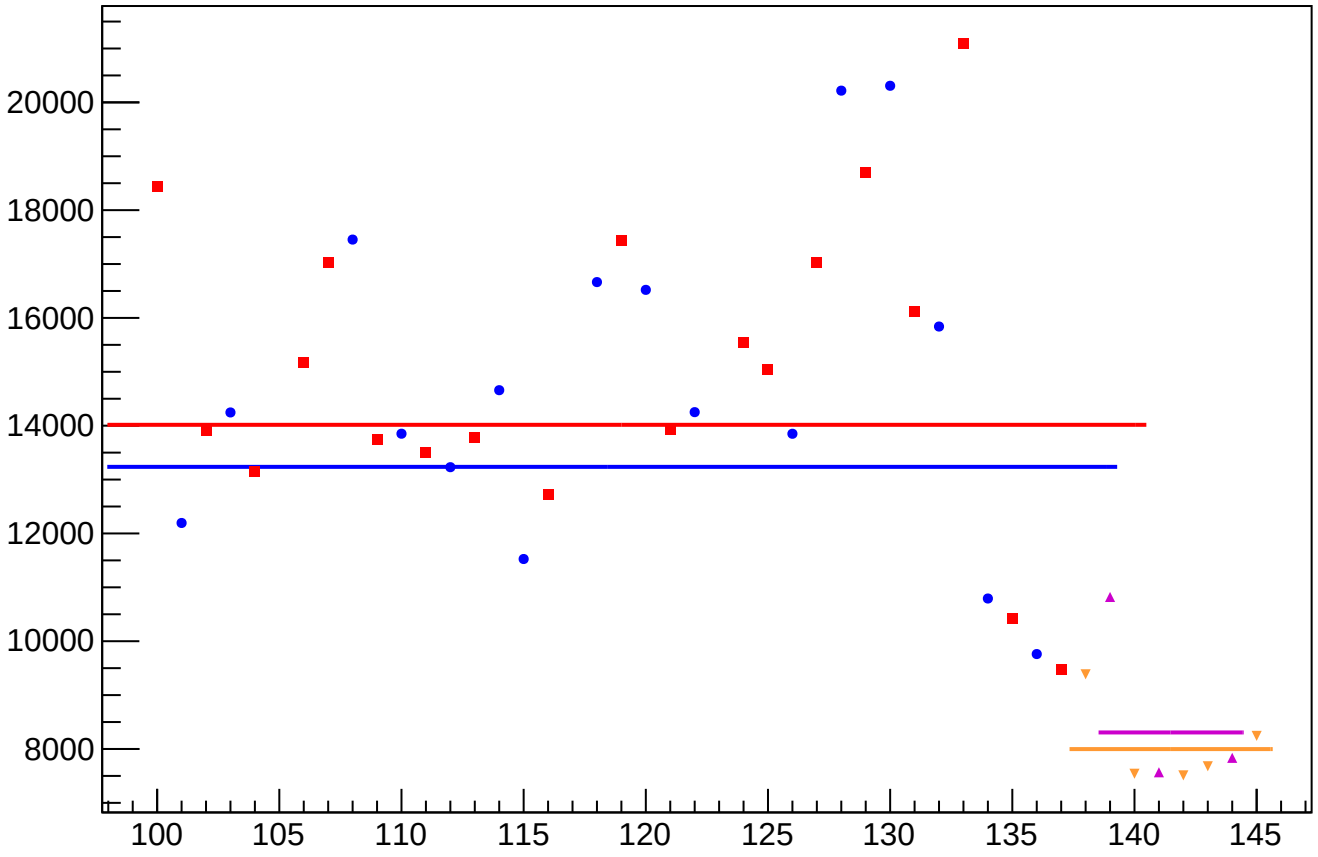
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -2.722+/-5.194 χ^2/NDF:2.0/2

+ sign -6.307+/-3.236 χ^2/NDF: 33.2/20

All: -6.491+/-2.431 χ^2/NDF: 50.1/42

- sign -6.728+/-3.684 χ^2/NDF: 16.9/21



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

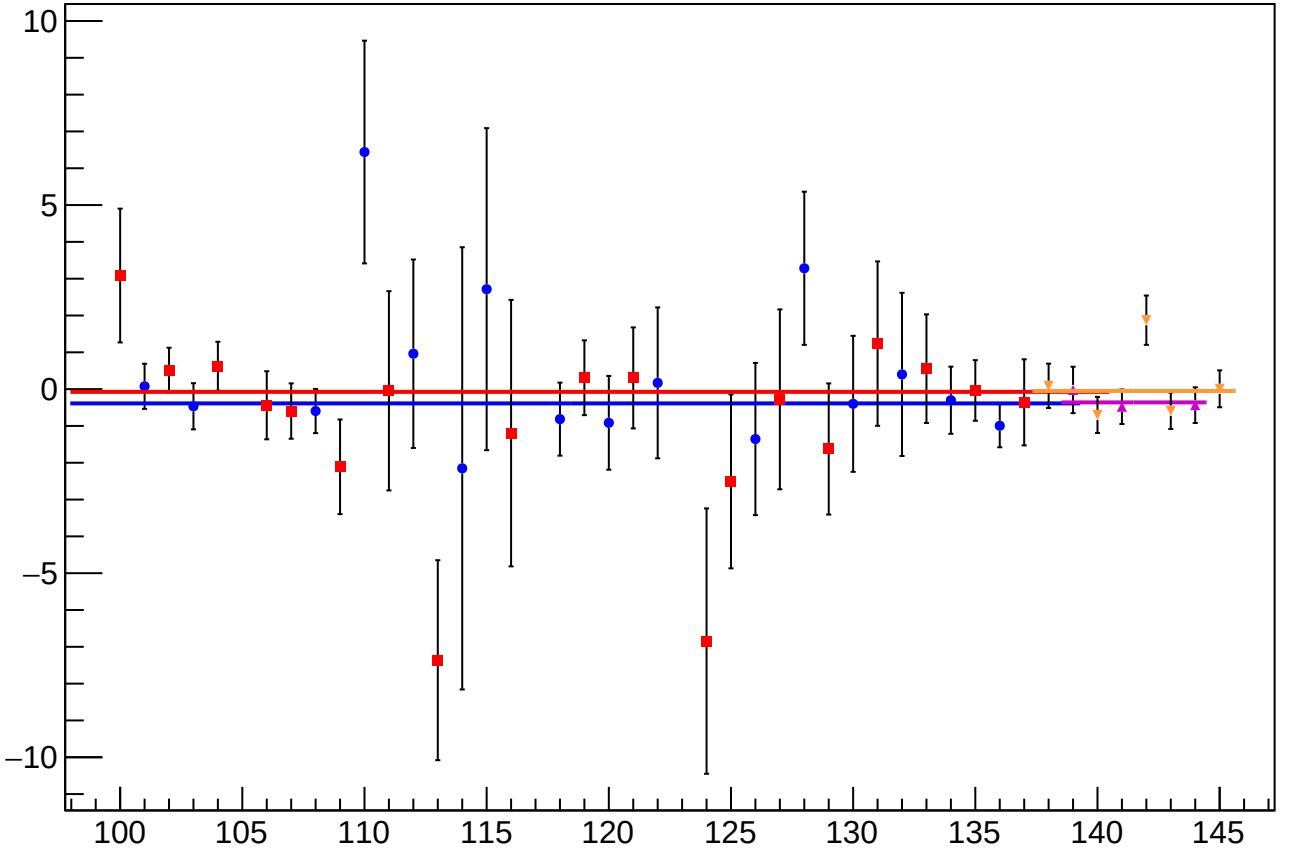
Left In: 8306.746+/-3.672 χ^2/NDF:114533.6/2

+ sign 10132.789+/-2.288 χ^2/NDF: 1986241.7/20

All: 10572.699+/-1.719 χ^2/NDF: 3884831.4/4

- sign 11142.826+/-2.605 χ^2/NDF: 1813744.3/21

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

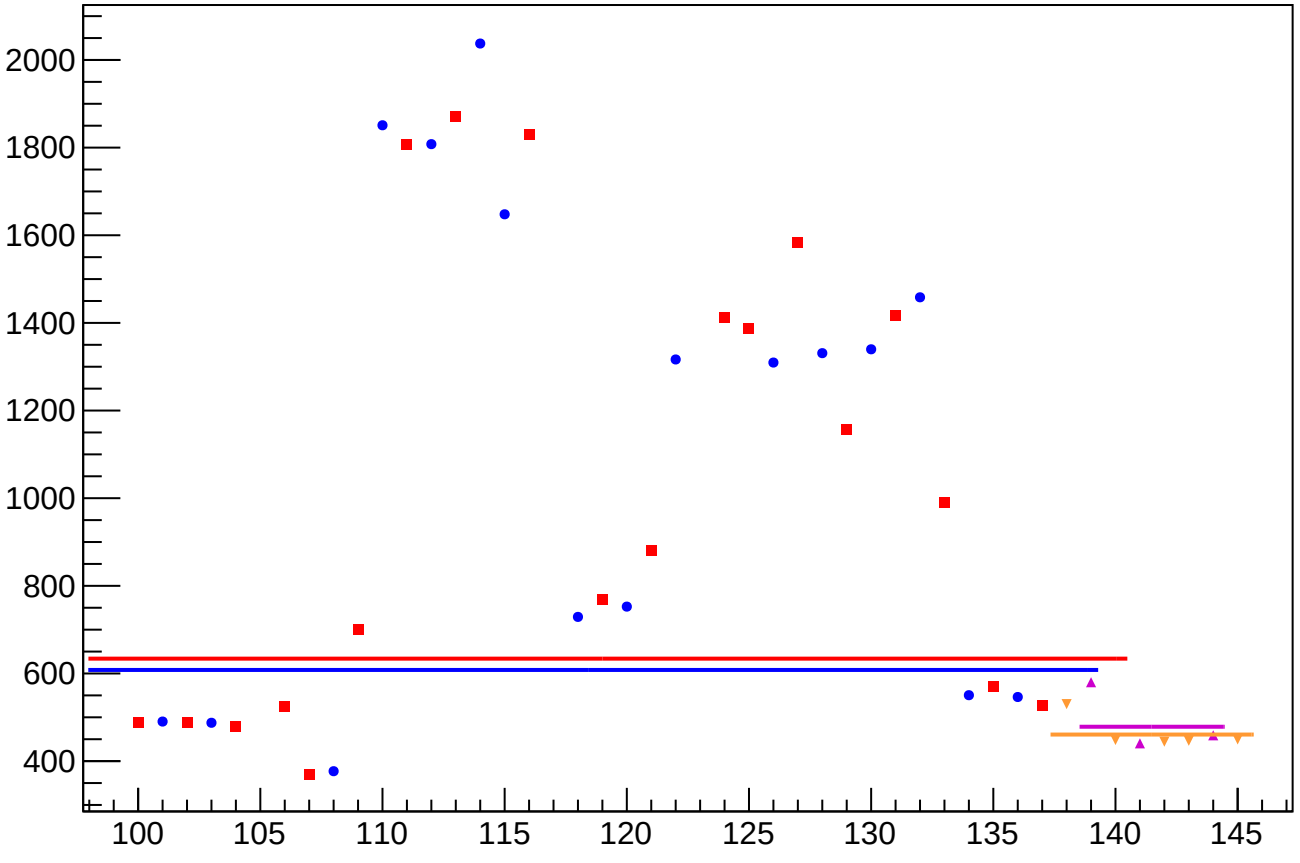
Left In: -0.361+/-0.297 χ^2/NDF:0.4/2

+ sign -0.209+/-0.175 χ^2/NDF: 23.8/20

All: -0.206+/-0.131 χ^2/NDF: 46.4/42

- sign -0.201+/-0.198 χ^2/NDF: 22.6/21

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

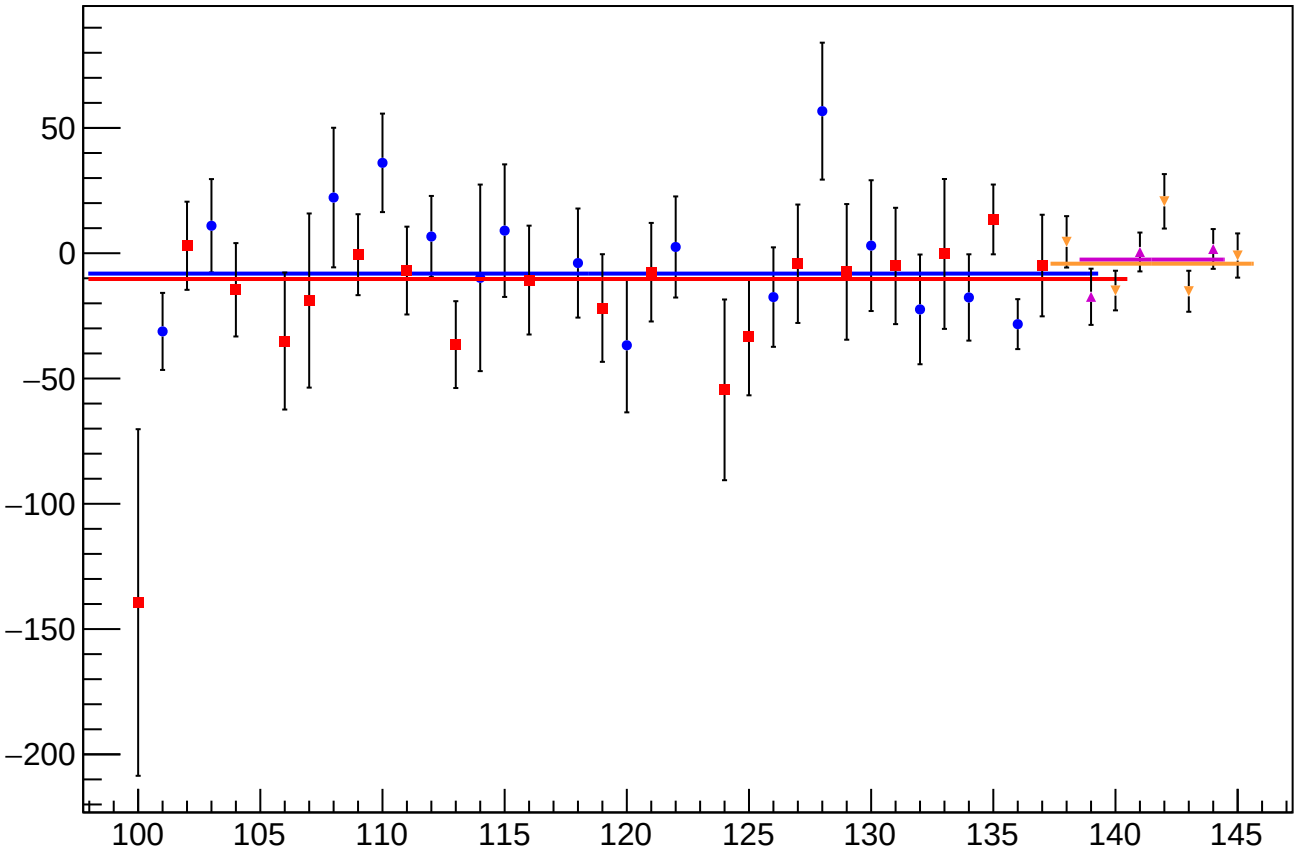
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 478.479+/-0.210 χ^2/NDF:68191.2/2

+ sign 530.026+/-0.124 χ^2/NDF: 3236190.4/20

All: 545.525+/-0.093 χ^2/NDF: 6433380.3/42

- sign 565.192+/-0.140 χ^2/NDF: 3161762.0/21



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -4.179+/-4.025 χ^2/NDF:9.7/4

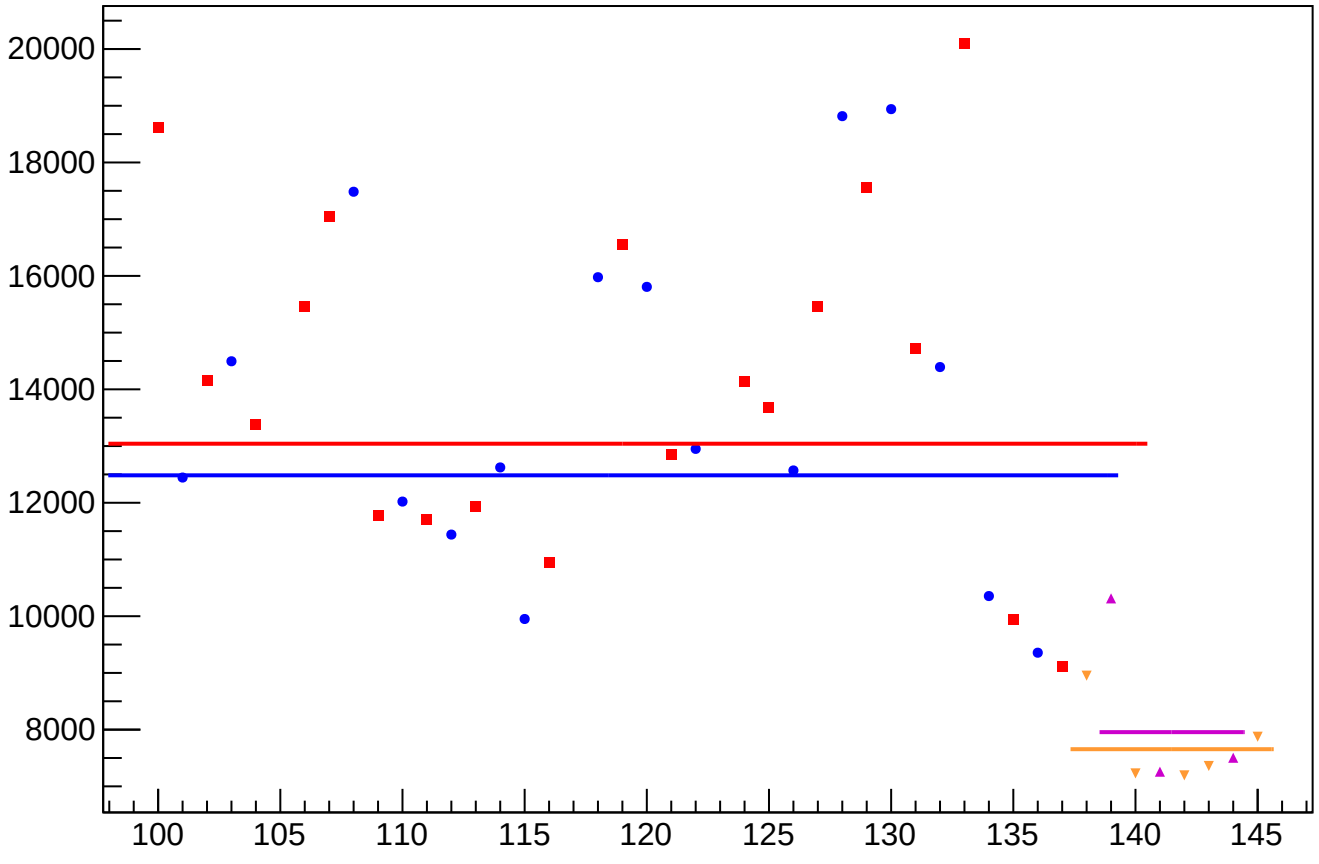
Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -2.543+/-4.972 χ^2/NDF:2.2/2

+ sign -5.819+/-3.079 χ^2/NDF: 33.3/20

All: -6.115+/-2.306 χ^2/NDF: 50.4/42

- sign -6.493+/-3.480 χ^2/NDF: 17.1/21



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

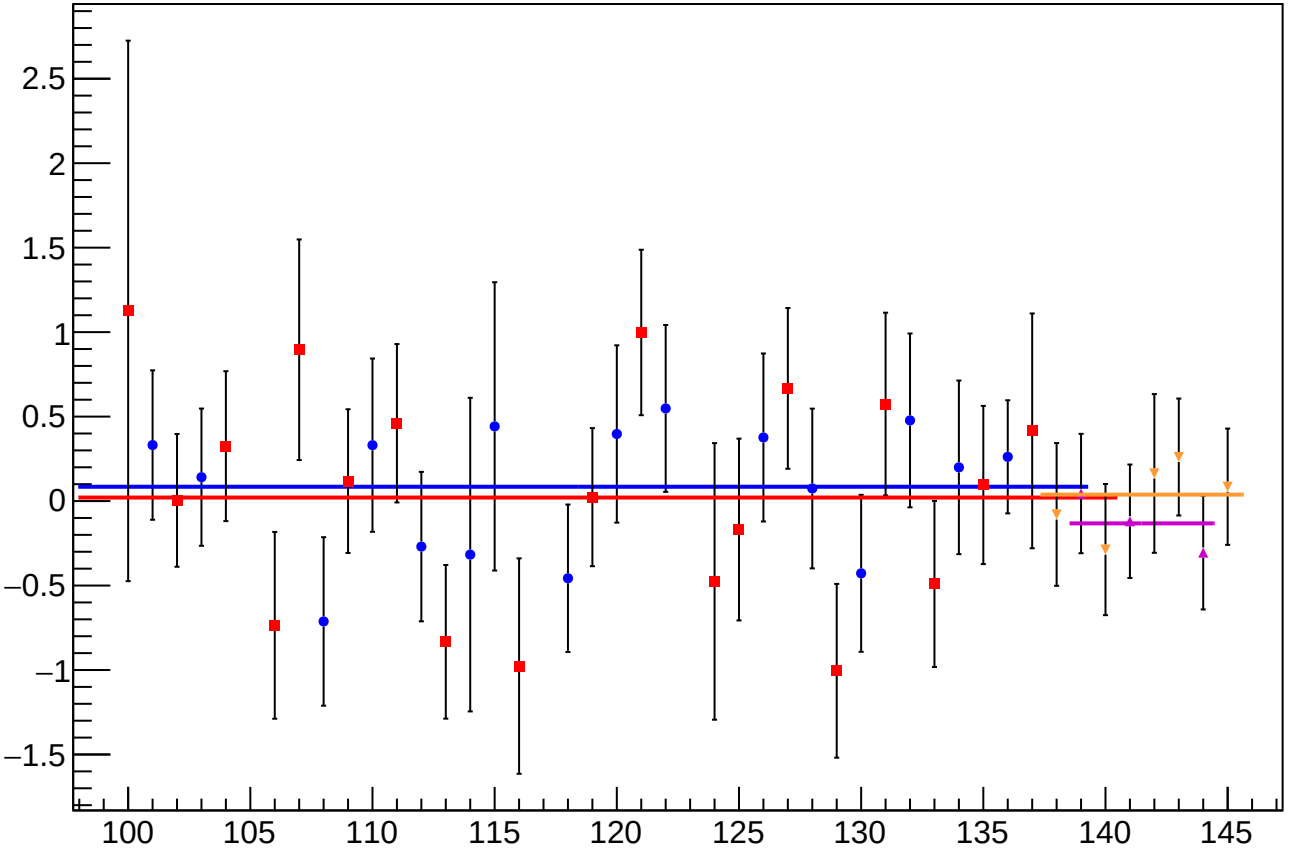
Left In: 7955.865+/-3.516 χ^2/NDF:111074.0/2

+ sign 9658.950+/-2.177 χ^2/NDF: 1911311.2/20

All: 10049.942+/-1.631 χ^2/NDF: 3707352.8/4

- sign 10549.698+/-2.461 χ^2/NDF: 1722546.1/21

diff_bpm_4eX_4ecX_dd_mean vs Slug



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

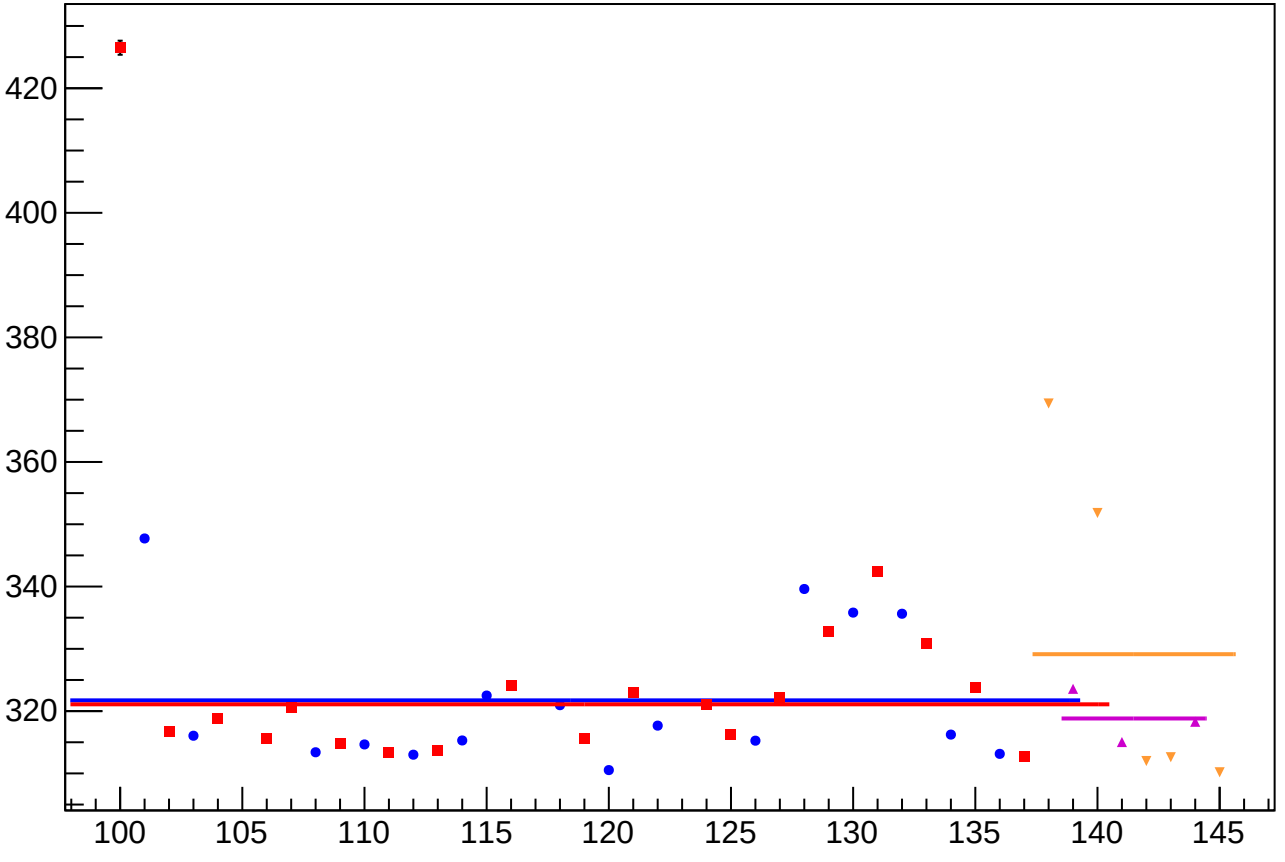
Left In: -0.132+/-0.197 χ^2/NDF:0.5/2

+ sign 0.070+/-0.099 χ^2/NDF: 10.7/20

All: 0.026+/-0.071 χ^2/NDF: 36.4/42

- sign -0.019+/-0.101 χ^2/NDF: 25.3/21

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

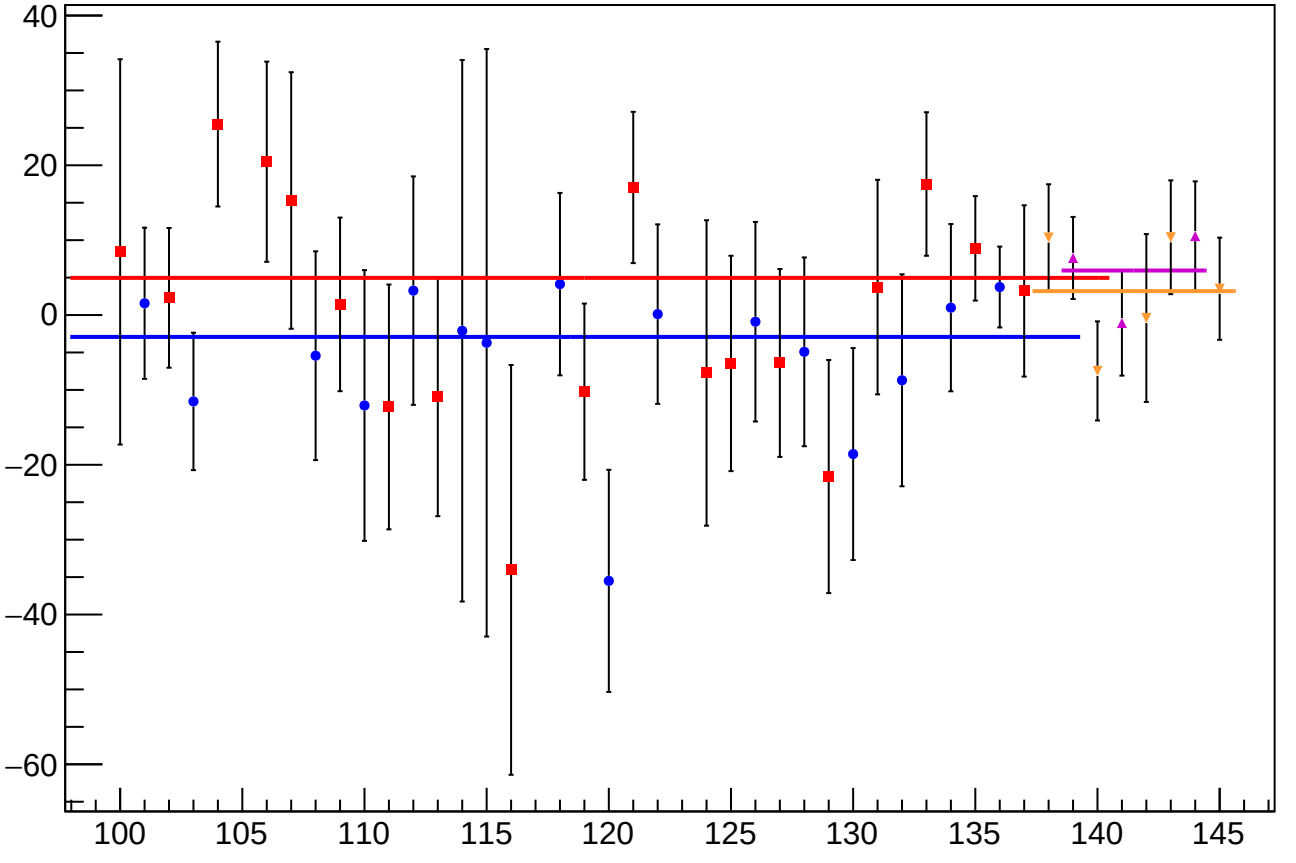
Left In: 318.818+/-0.139 χ^2/NDF:622.3/2

+ sign 324.147+/-0.070 χ^2/NDF: 58981.8/20

All: 322.364+/-0.050 χ^2/NDF: 77718.0/42

- sign 320.497+/-0.071 χ^2/NDF: 17398.0/21

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

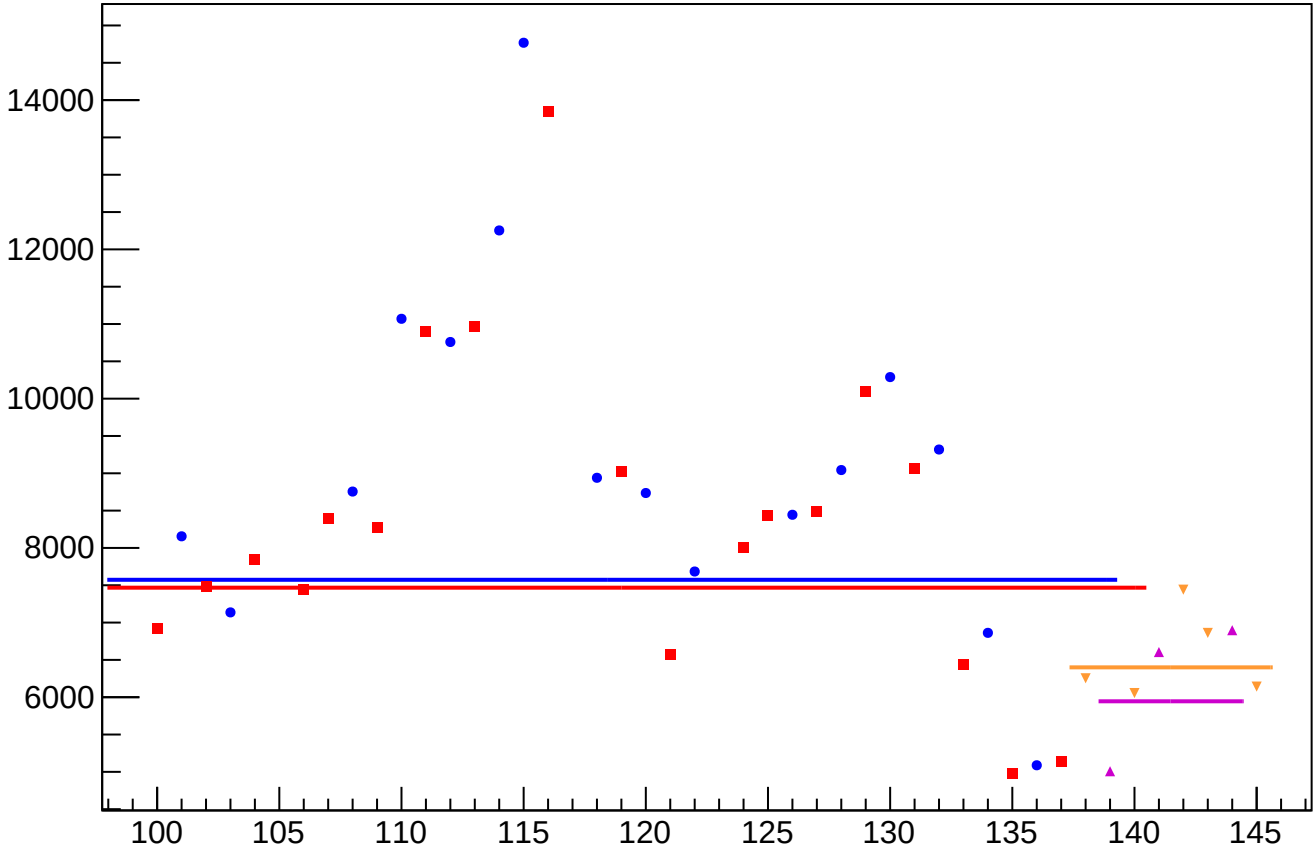
Left In: 5.948+/-3.719 χ^2/NDF:1.5/2

+ sign -0.286+/-2.196 χ^2/NDF: 16.3/20

All: 2.452+/-1.571 χ^2/NDF: 40.5/42

- sign 5.325+/-2.249 χ^2/NDF: 21.0/21

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

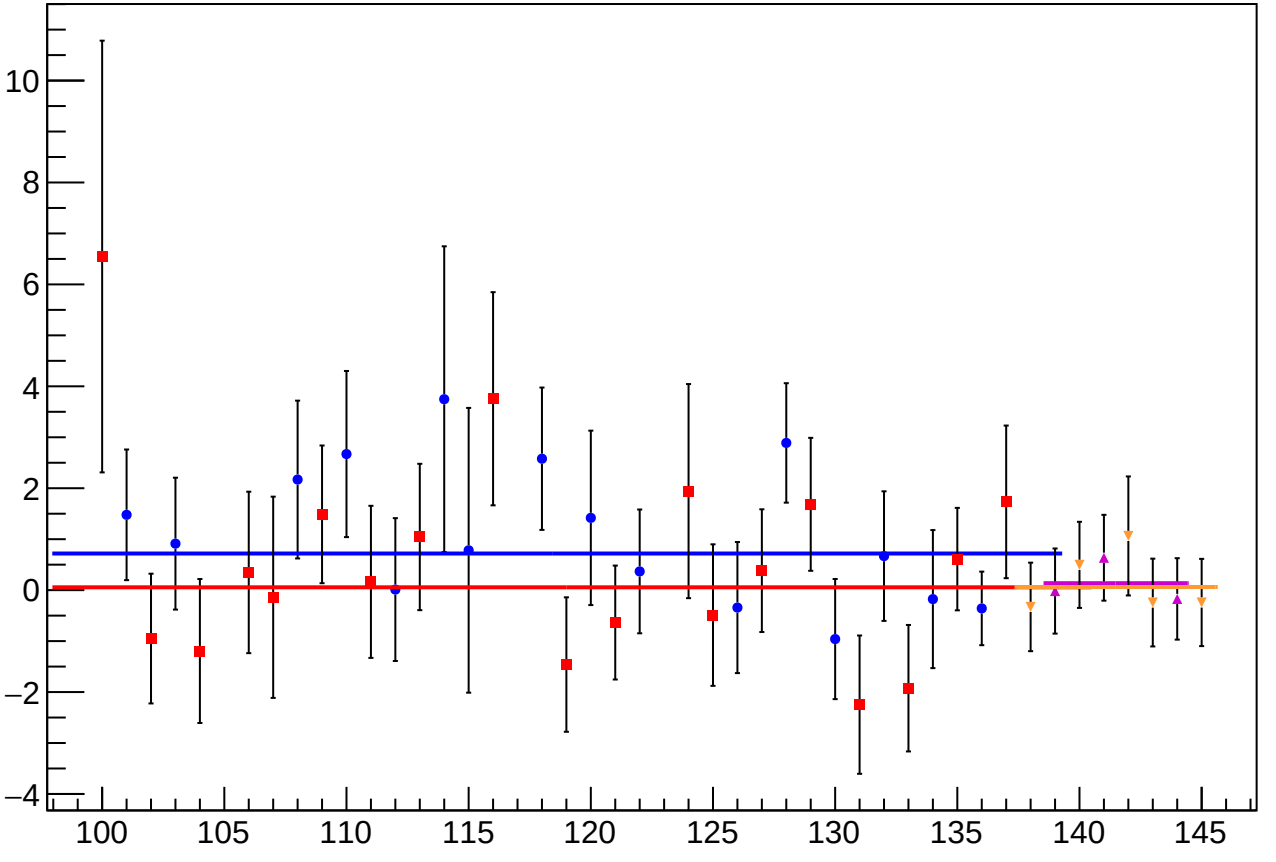
Left In: 5945.236+/-2.630 χ^2/NDF:110122.7/2

+ sign 7067.961+/-1.553 χ^2/NDF: 1071269.6/20

All: 6991.263+/-1.111 χ^2/NDF: 2227255.7/42

- sign 6910.816+/-1.590 χ^2/NDF: 1150987.9/21

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

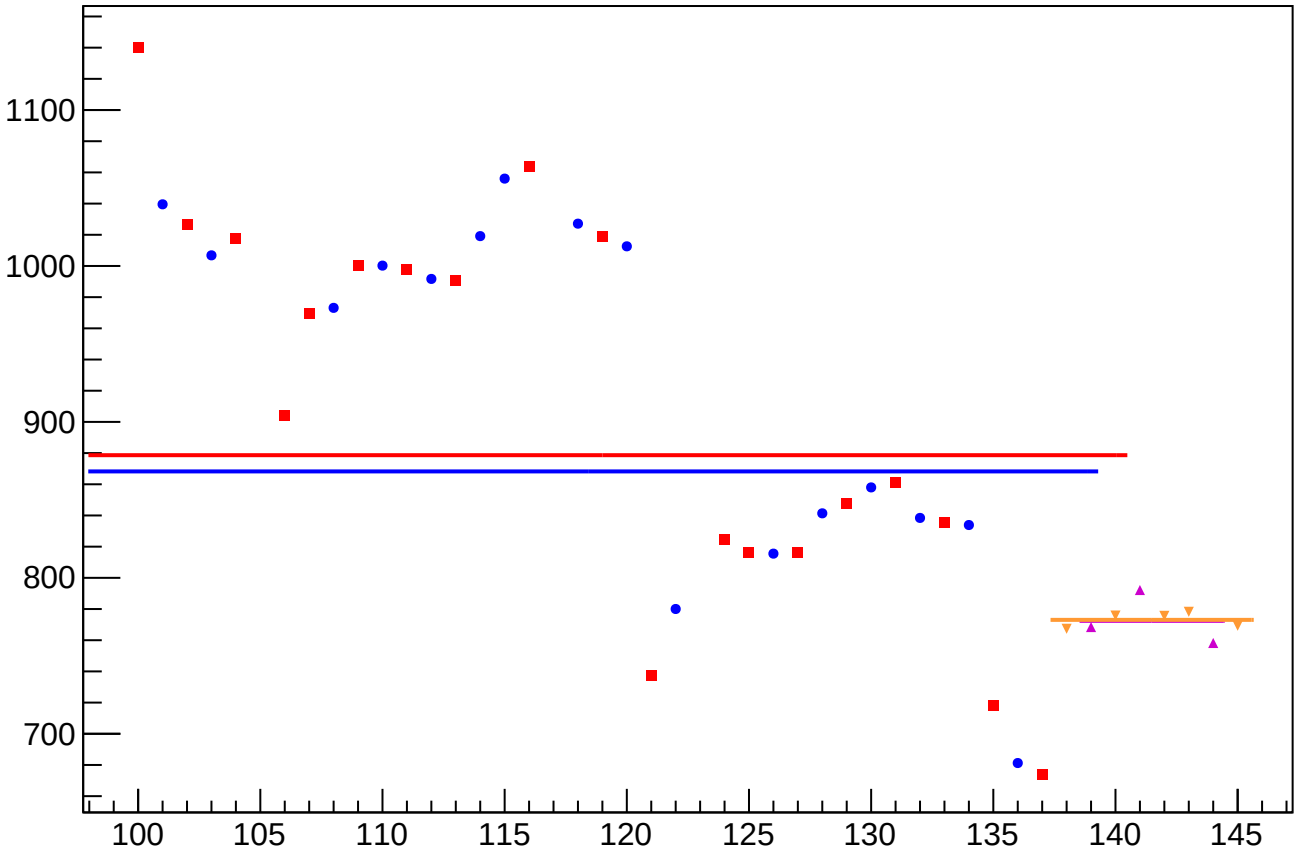
Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: 0.136+/-0.476 χ^2/NDF:0.5/2

+ sign 0.459+/-0.253 χ^2/NDF: 17.8/20

All: 0.280+/-0.184 χ^2/NDF: 39.3/42

- sign 0.081+/-0.268 χ^2/NDF: 20.4/21



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

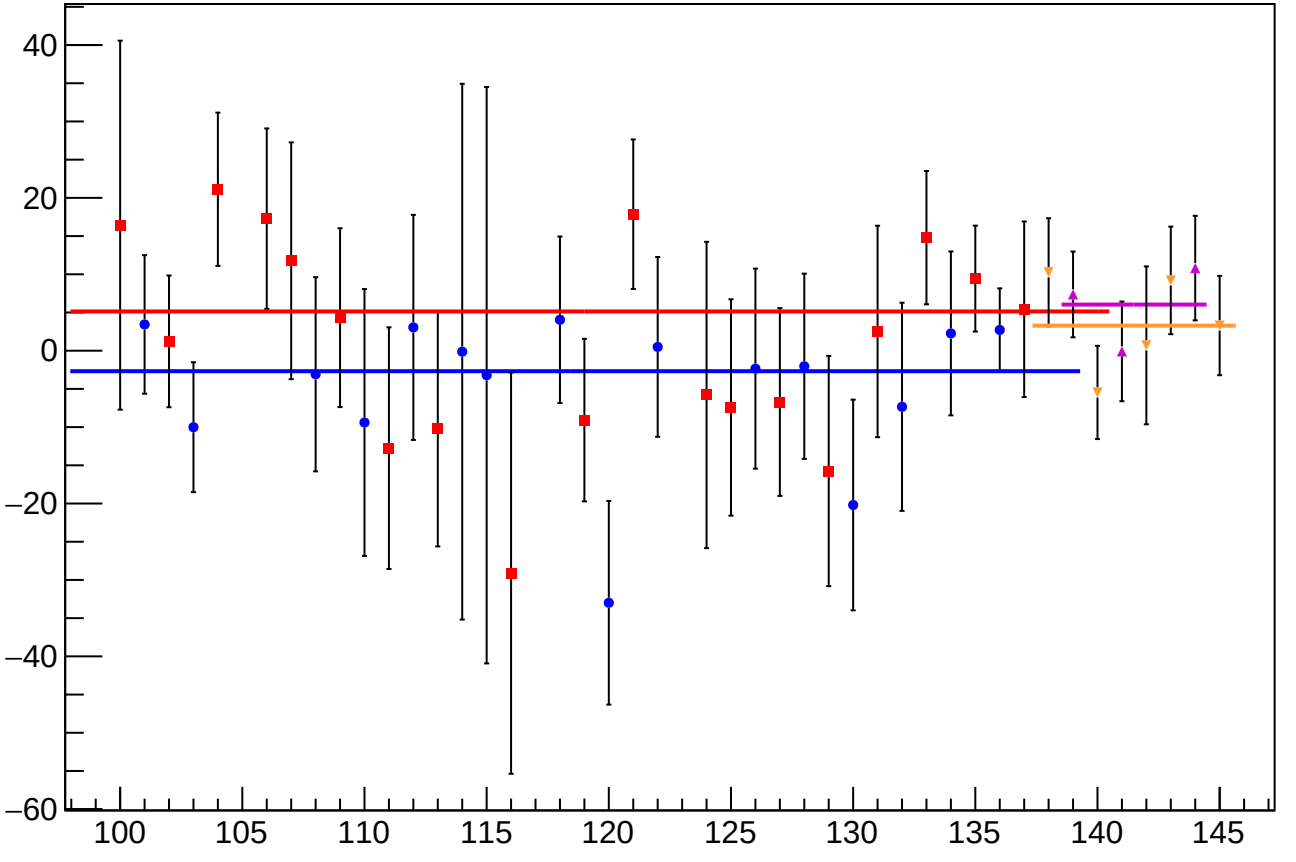
Left In: 772.412+/-0.337 χ^2/NDF:1779.2/2

+ sign 830.553+/-0.179 χ^2/NDF: 370215.2/20

All: 837.442+/-0.130 χ^2/NDF: 715797.9/42

- sign 845.126+/-0.189 χ^2/NDF: 342453.0/21

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

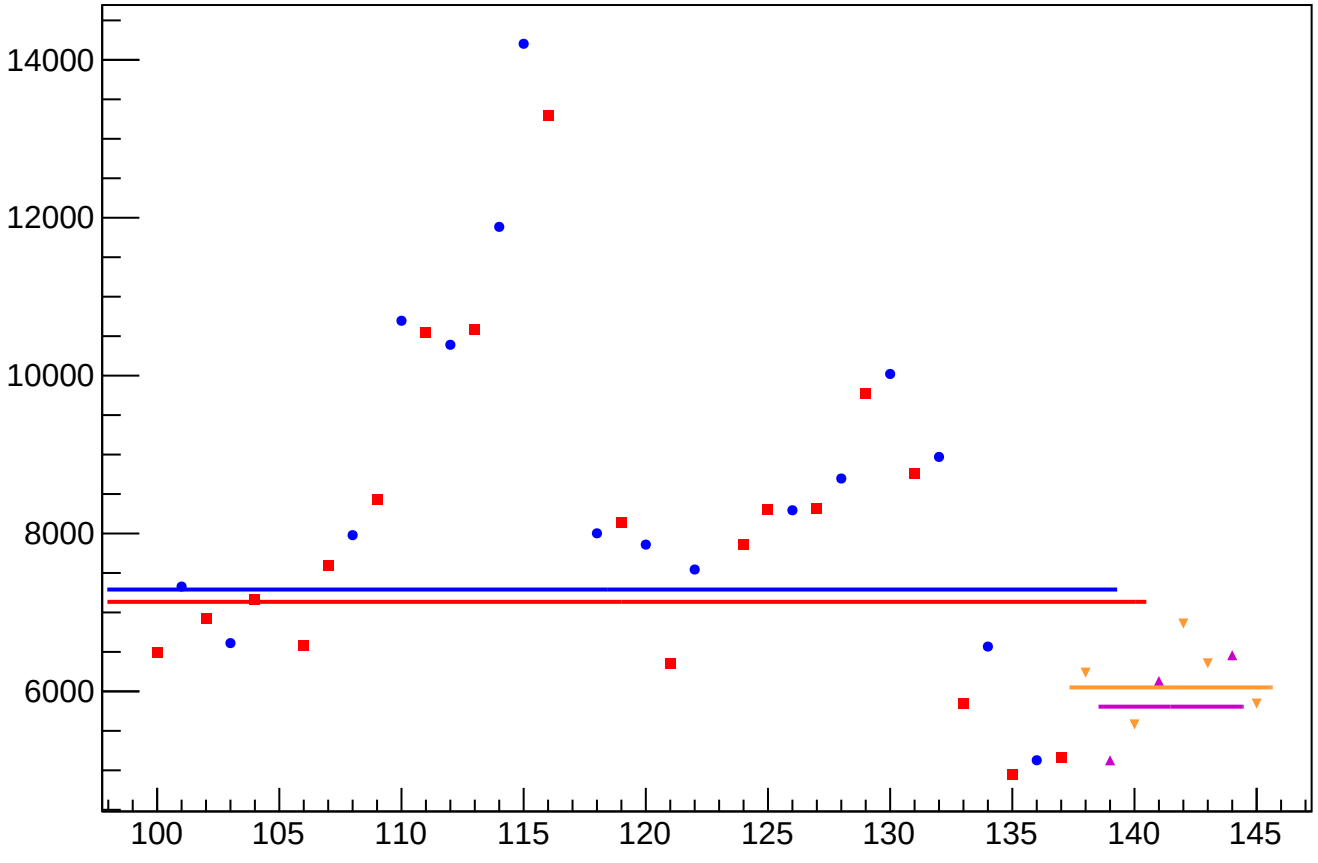
Left In: 6.036+/-3.613 χ^2/NDF:1.4/2

+ sign -0.074+/-2.091 χ^2/NDF: 15.9/20

All: 2.604+/-1.502 χ^2/NDF: 38.0/42

- sign 5.458+/-2.159 χ^2/NDF: 18.7/21

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

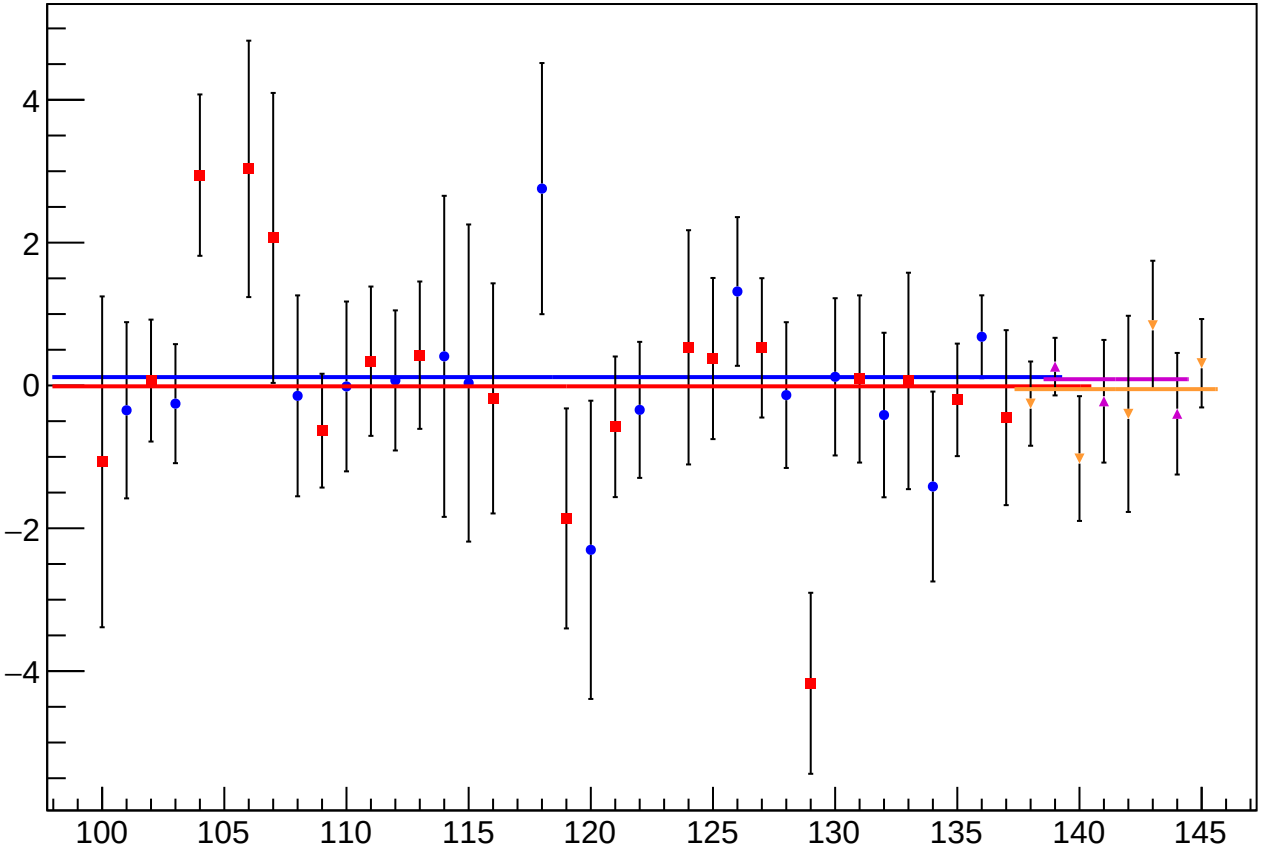
Left In: 5806.534+/-2.555 χ^2/NDF:52433.8/2

+ sign 6747.679+/-1.479 χ^2/NDF: 974838.5/20

All: 6705.416+/-1.062 χ^2/NDF: 1995477.2/42

- sign 6660.378+/-1.526 χ^2/NDF: 1018951.0/21

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

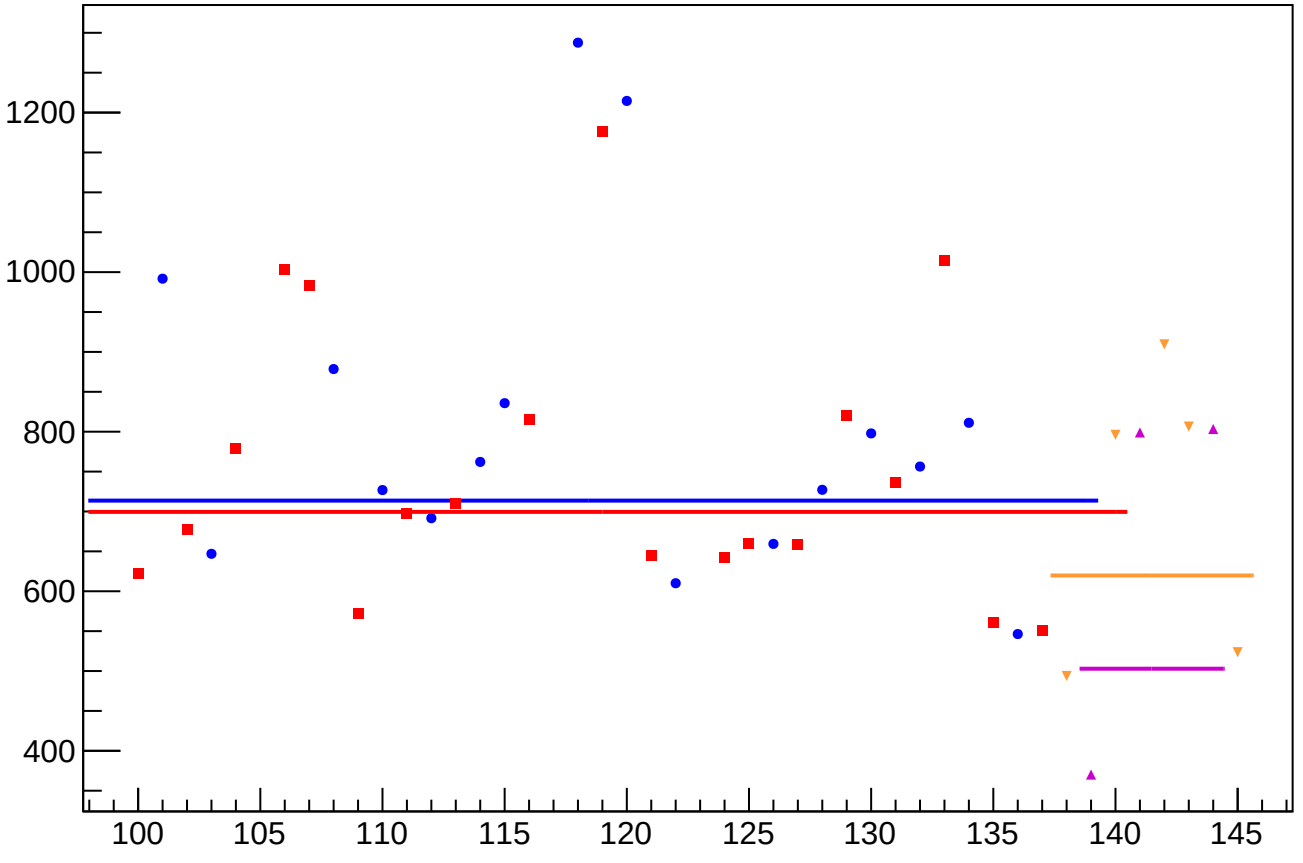
Left In: 0.088+/-0.335 χ^2/NDF:0.6/2

+ sign 0.051+/-0.213 χ^2/NDF: 11.0/20

All: 0.038+/-0.149 χ^2/NDF: 36.9/42

- sign 0.026+/-0.207 χ^2/NDF: 25.9/21

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

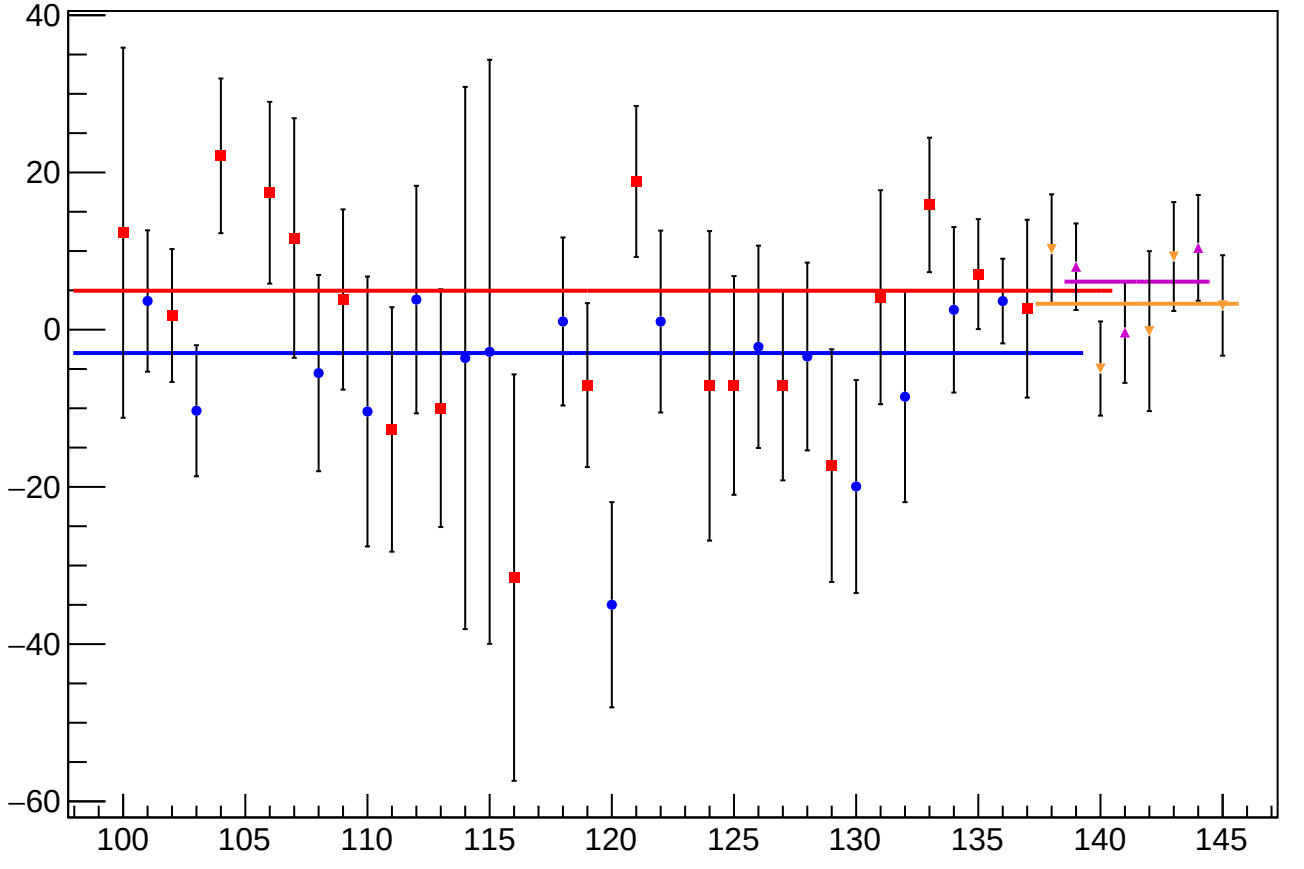
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 502.914+/-0.237 χ^2/NDF:703366.8/2

+ sign 677.079+/-0.151 χ^2/NDF: 1186436.3/20

All: 650.048+/-0.105 χ^2/NDF: 2952906.7/42

- sign 624.605+/-0.146 χ^2/NDF: 1704202.7/21



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

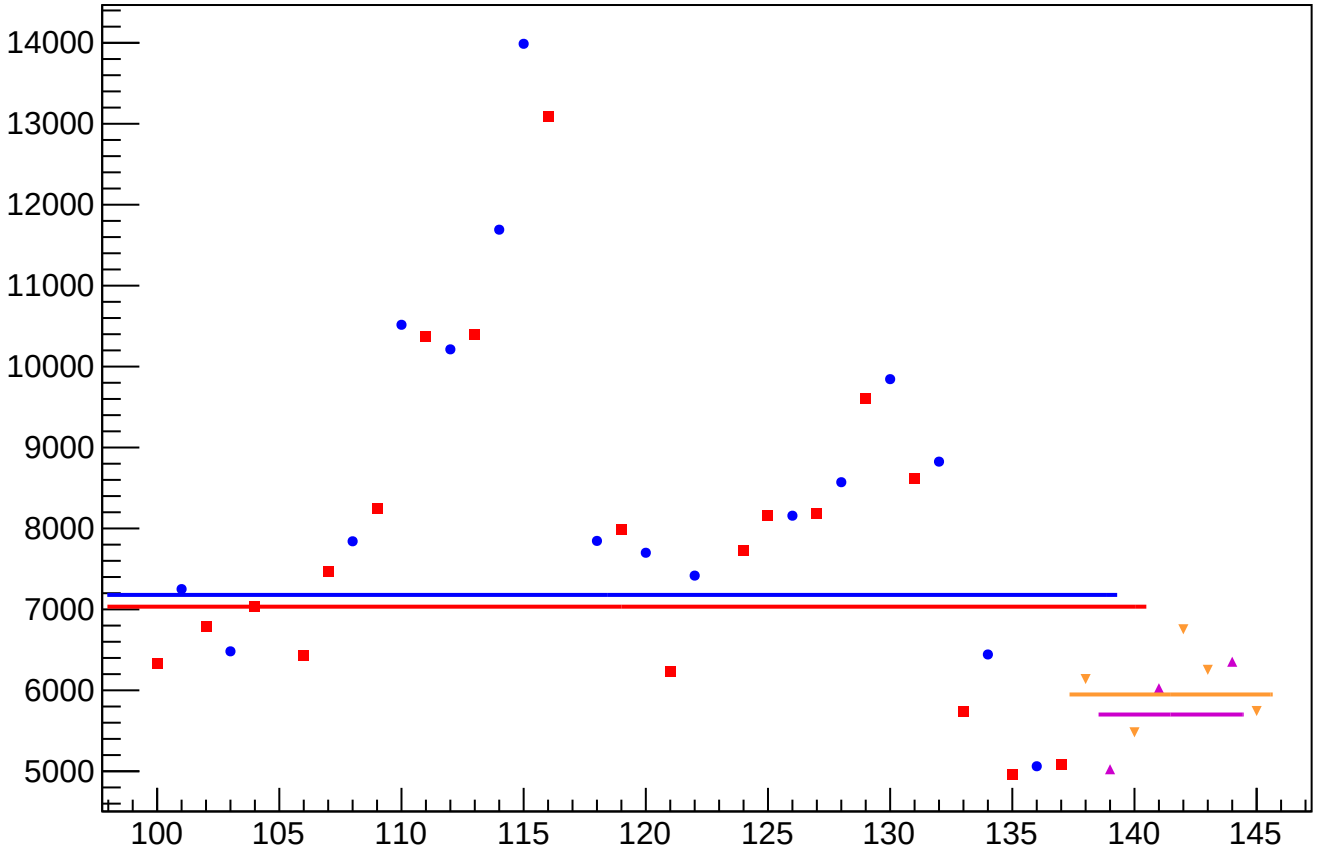
Left In: 6.109+/-3.548 χ^2/NDF:1.5/2

\+ sign -0.225+/-2.058 χ^2/NDF: 17.6/20

All: 2.483+/-1.478 χ^2/NDF: 41.3/42

\- sign 5.369+/-2.125 χ^2/NDF: 20.1/21

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

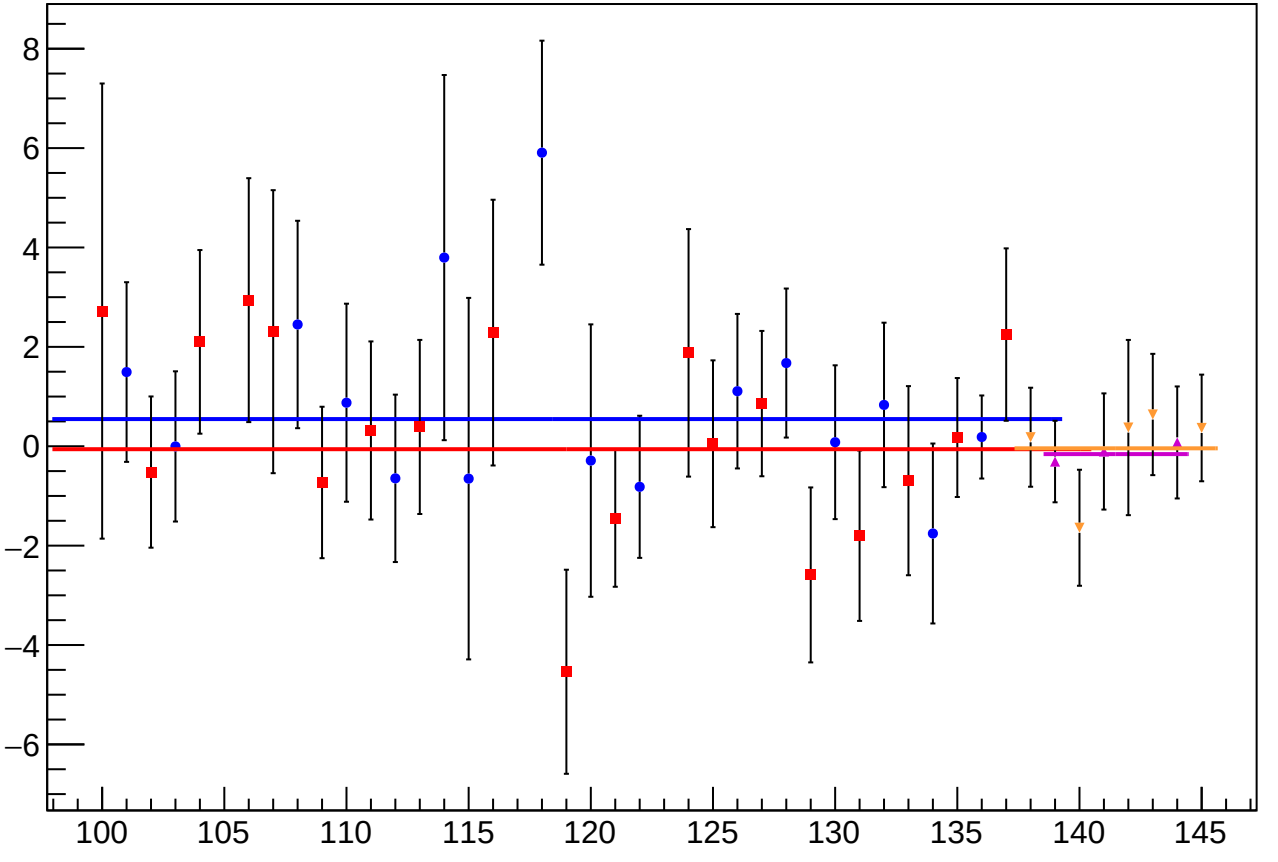
Left In: 5701.030+/-2.509 χ^2/NDF:54088.6/2

+ sign 6639.689+/-1.455 χ^2/NDF: 969996.7/20

All: 6599.031+/-1.045 χ^2/NDF: 1972994.2/42

- sign 6555.686+/-1.503 χ^2/NDF: 1001384.6/21

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

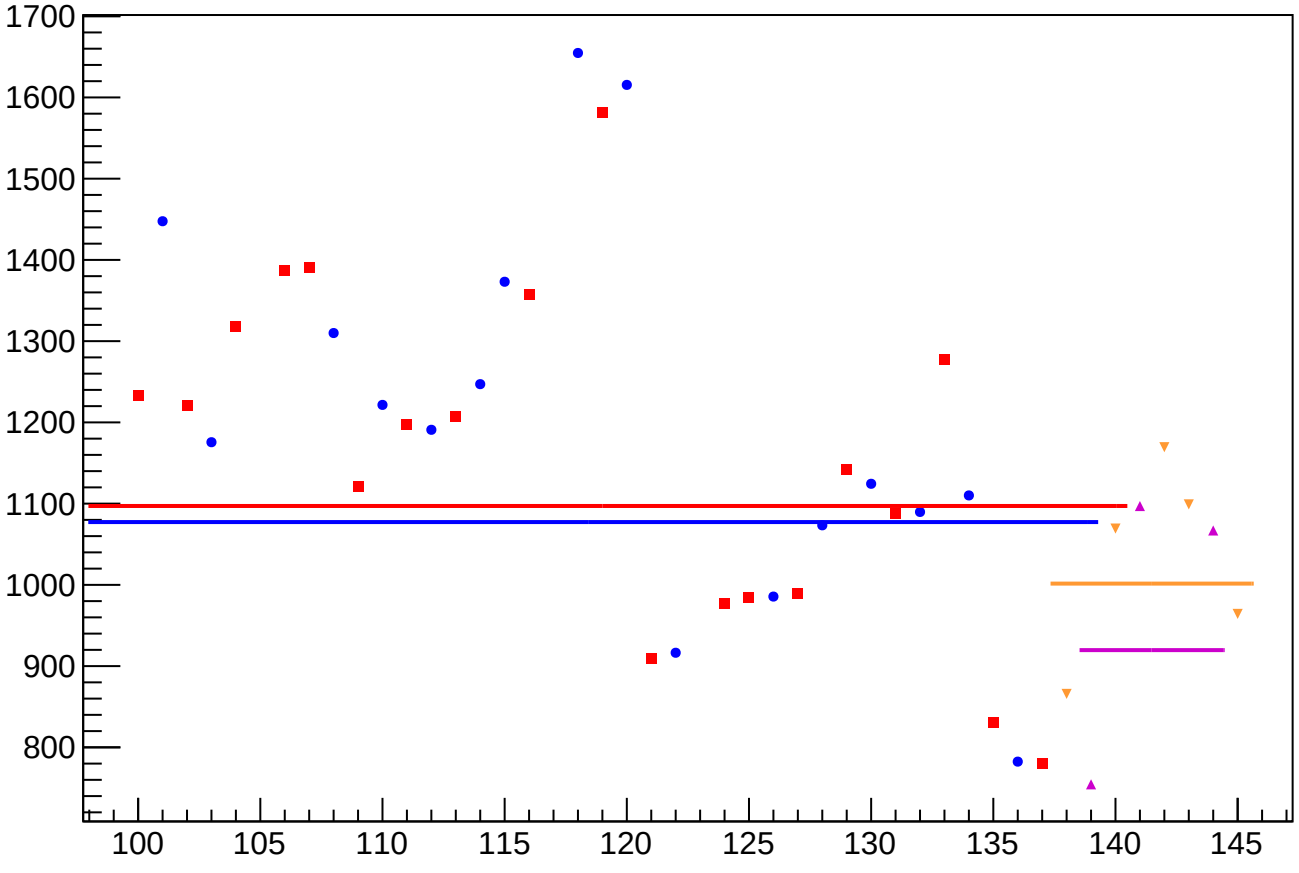
Left In: -0.158+/-0.577 χ^2/NDF:0.1/2

+ sign 0.324+/-0.324 χ^2/NDF: 15.2/20

All: 0.122+/-0.232 χ^2/NDF: 32.9/42

- sign -0.092+/-0.334 χ^2/NDF: 17.0/21

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

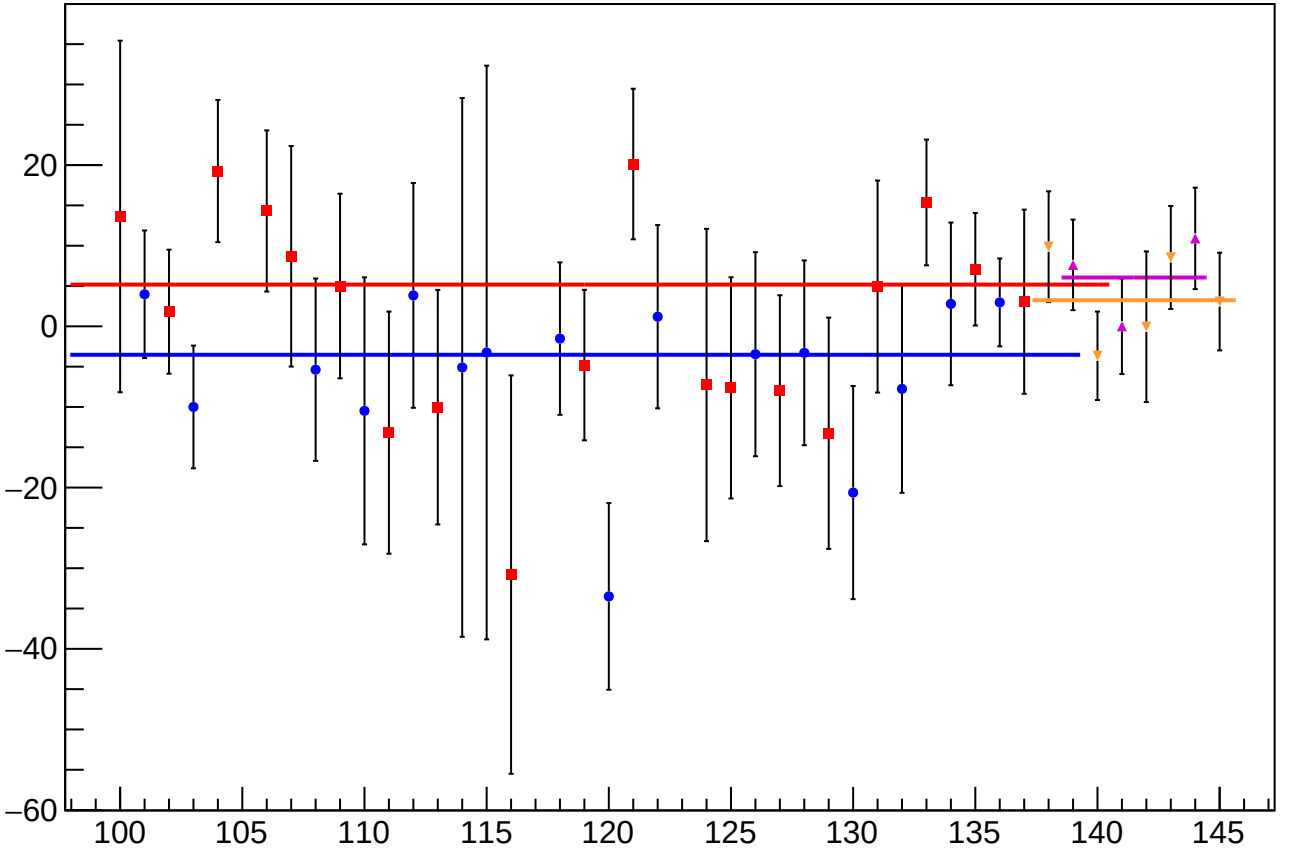
Left In: 919.683+/-0.408 χ^2/NDF:161333.9/2

+ sign 1048.658+/-0.229 χ^2/NDF: 749429.2/20

All: 1043.375+/-0.164 χ^2/NDF: 1522183.7/42

- sign 1037.775+/-0.236 χ^2/NDF: 771659.0/21

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

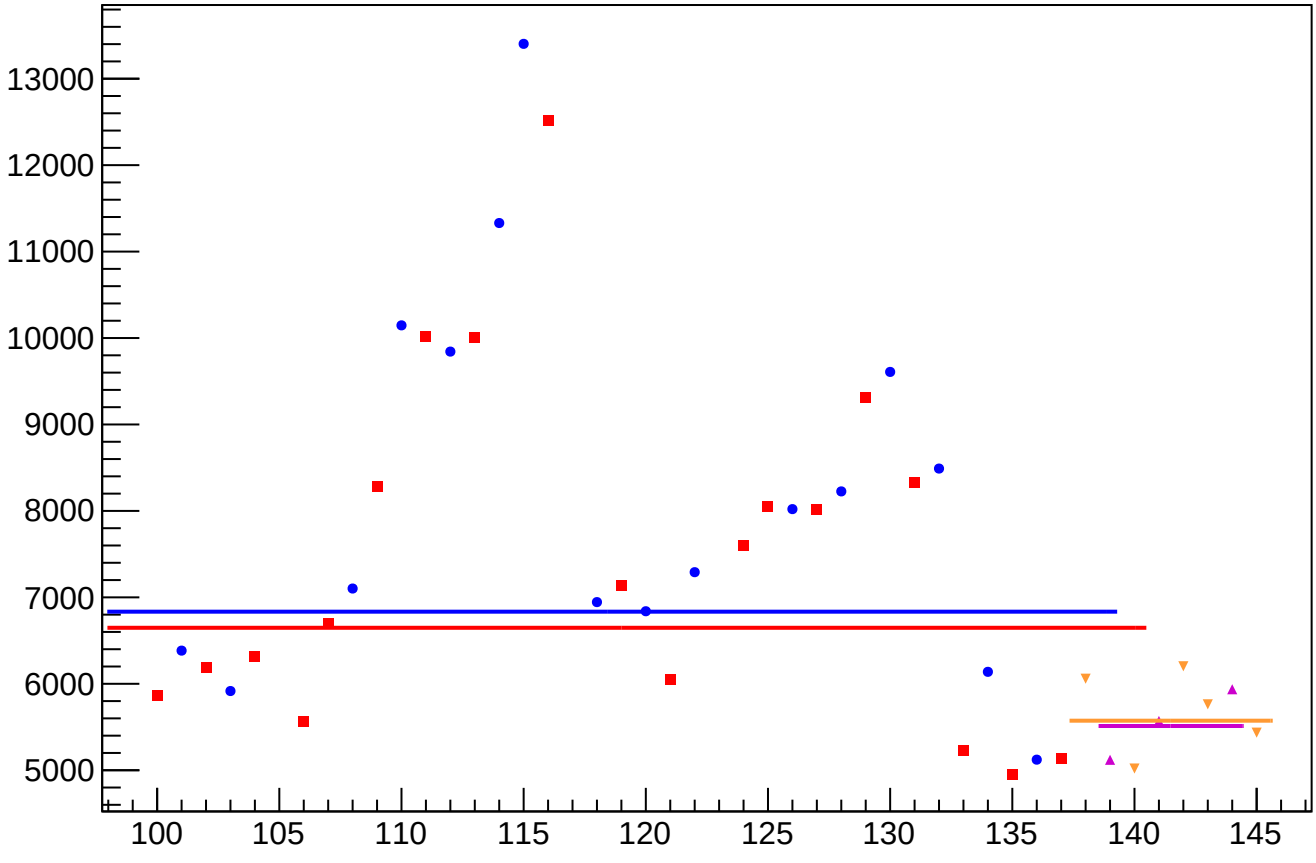
Left In: 6.054+/-3.421 χ^2/NDF:1.7/2

+ sign -0.521+/-1.944 χ^2/NDF: 18.9/20

All: 2.362+/-1.402 χ^2/NDF: 43.5/42

- sign 5.483+/-2.023 χ^2/NDF: 20.0/21

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

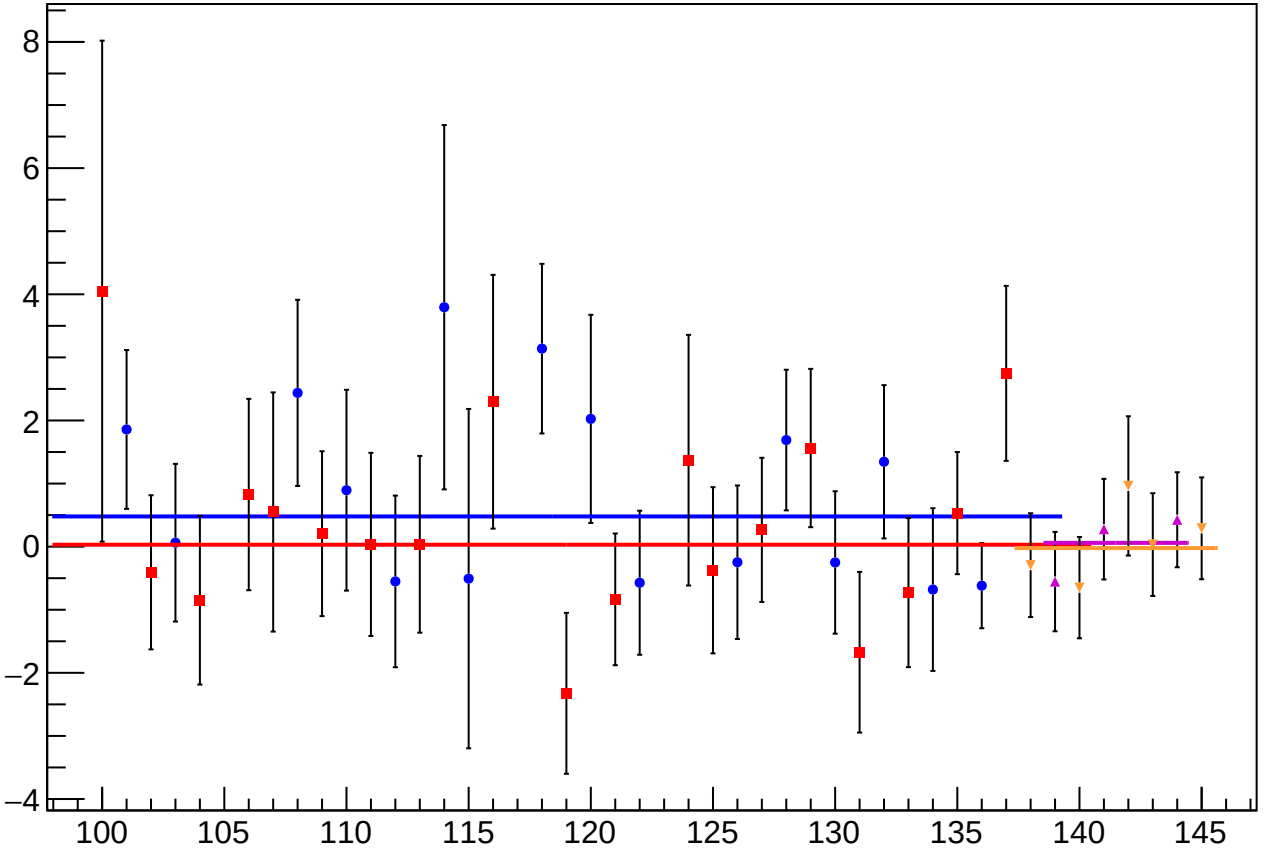
Left In: 5511.755+/-2.419 χ^2/NDF:19013.8/2

+ sign 6273.727+/-1.375 χ^2/NDF: 942805.6/20

All: 6262.706+/-0.991 χ^2/NDF: 1890570.1/42

- sign 6250.773+/-1.430 χ^2/NDF: 947630.6/21

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

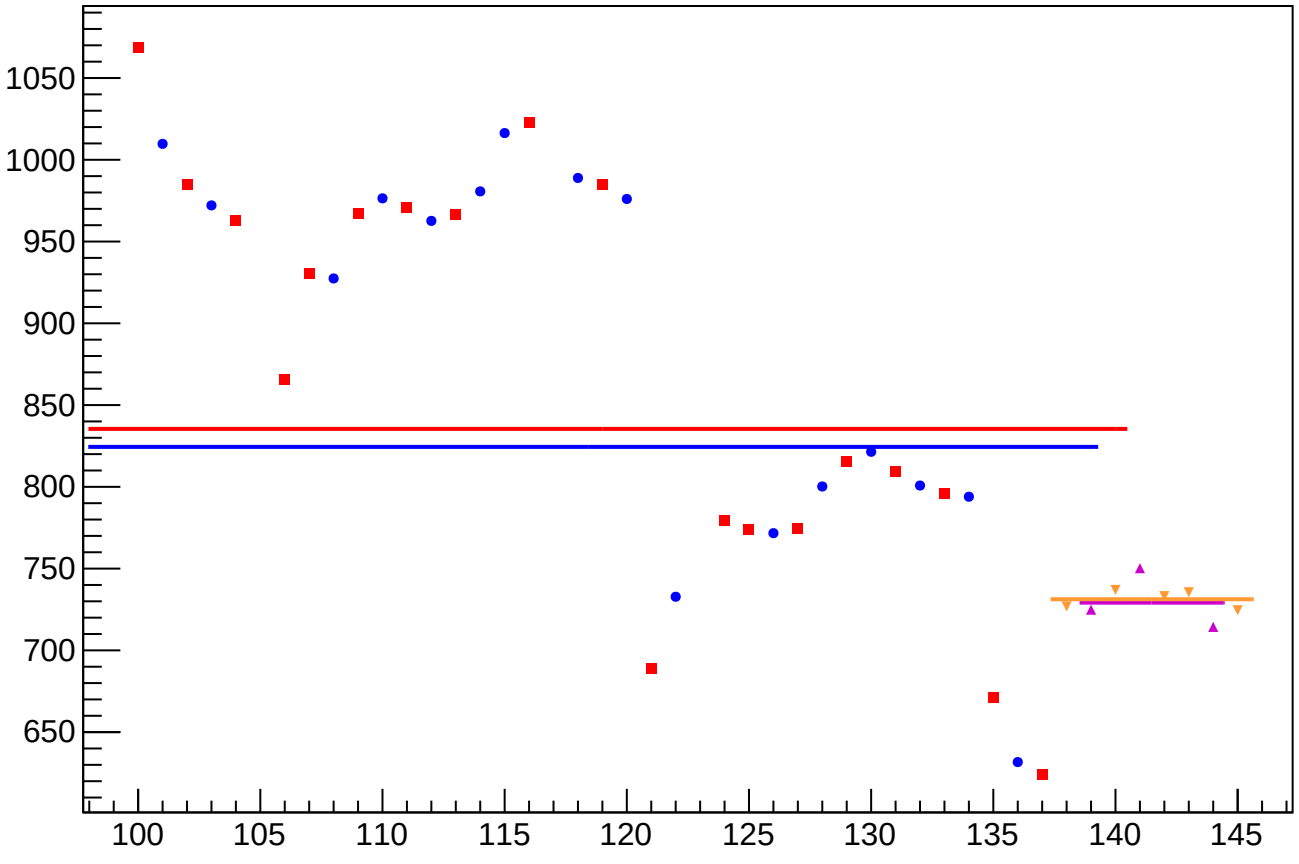
Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: 0.060+/-0.450 χ^2/NDF:0.9/2

+ sign 0.278+/-0.241 χ^2/NDF: 19.4/20

All: 0.166+/-0.175 χ^2/NDF: 36.5/42

- sign 0.040+/-0.254 χ^2/NDF: 16.6/21



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

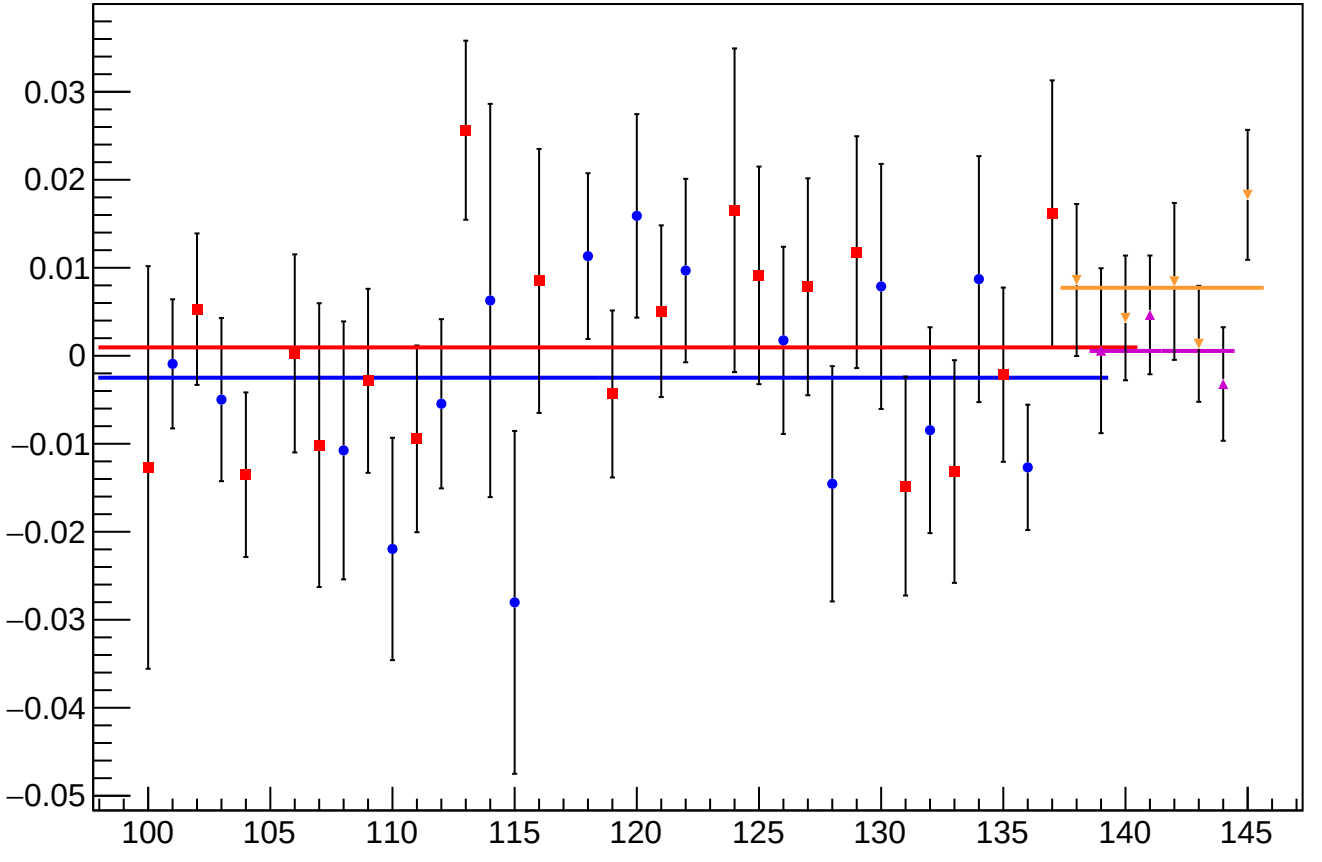
Left In: 729.192+/-0.318 χ^2/NDF:2230.2/2

\+ sign 787.196+/-0.170 χ^2/NDF: 437642.8/20

All: 793.916+/-0.124 χ^2/NDF: 838406.1/42

\- sign 801.417+/-0.180 χ^2/NDF: 397466.8/21

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

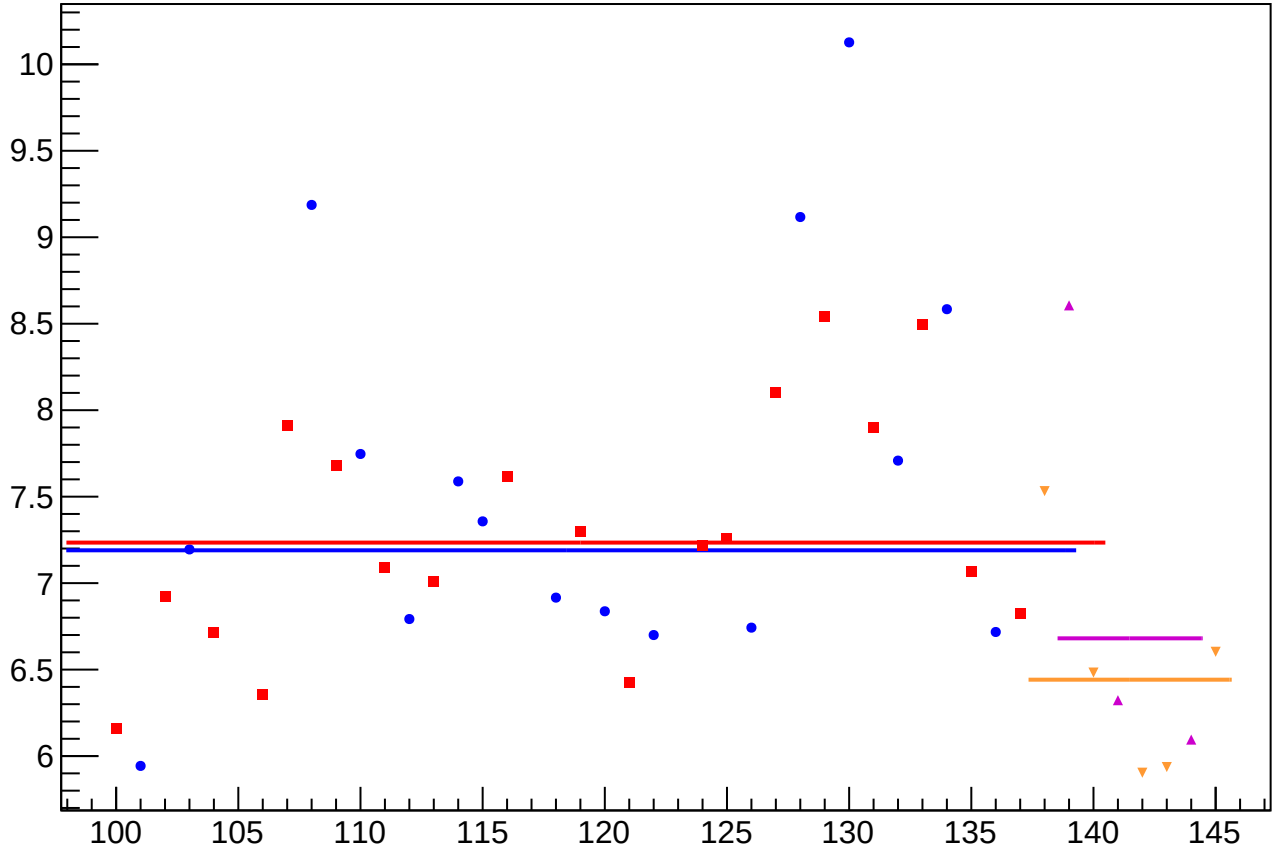
Left In: 0.001+/-0.004 χ^2/NDF:0.7/2

+ sign 0.001+/-0.002 χ^2/NDF: 24.1/20

All: 0.001+/-0.002 χ^2/NDF: 42.1/42

- sign 0.001+/-0.002 χ^2/NDF: 18.0/21

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

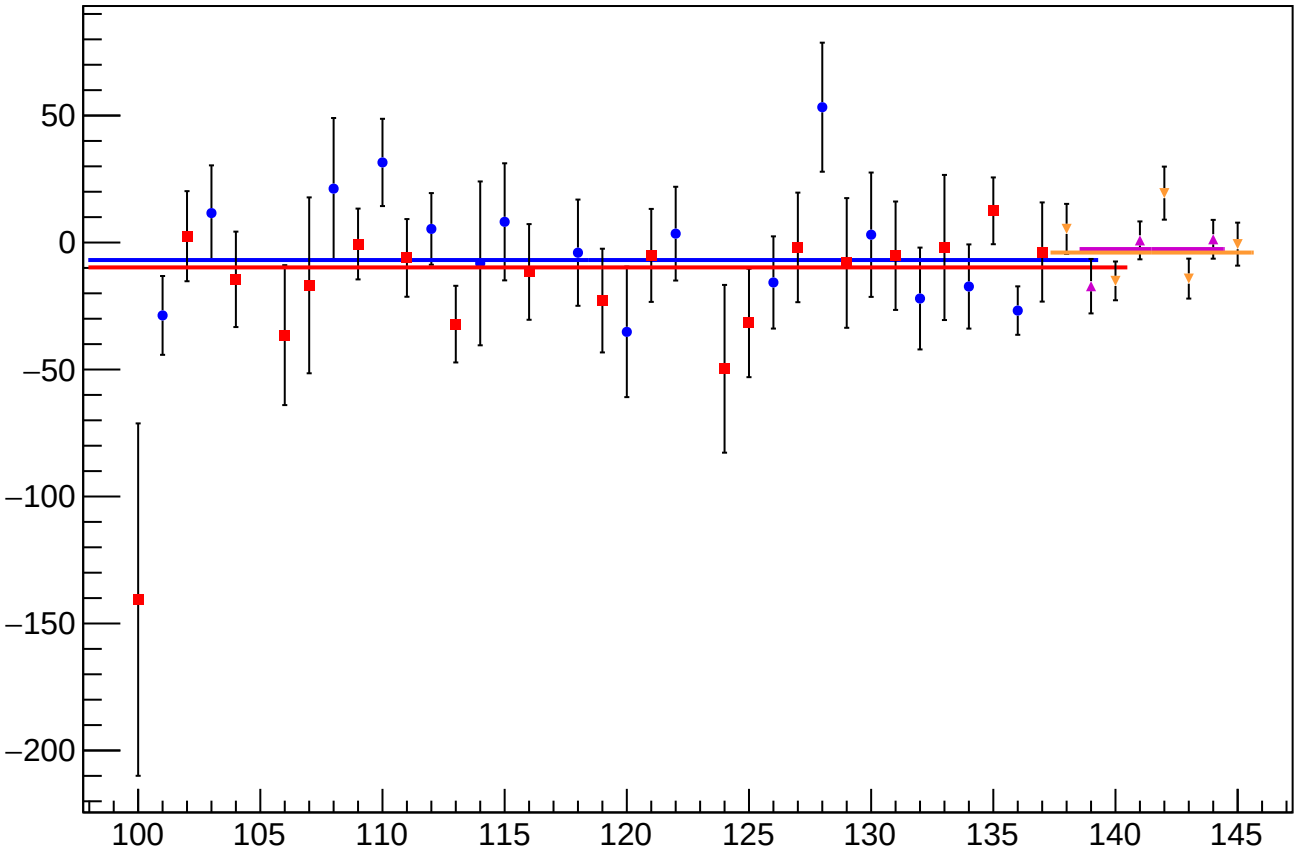
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.681+/-0.003 χ^2/NDF:106498.0/2

+ sign 6.898+/-0.001 χ^2/NDF: 389089.4/20

All: 6.981+/-0.001 χ^2/NDF: 633459.2/42

- sign 7.075+/-0.002 χ^2/NDF: 237785.2/21



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -3.946+/-3.870 χ^2/NDF:9.9/4

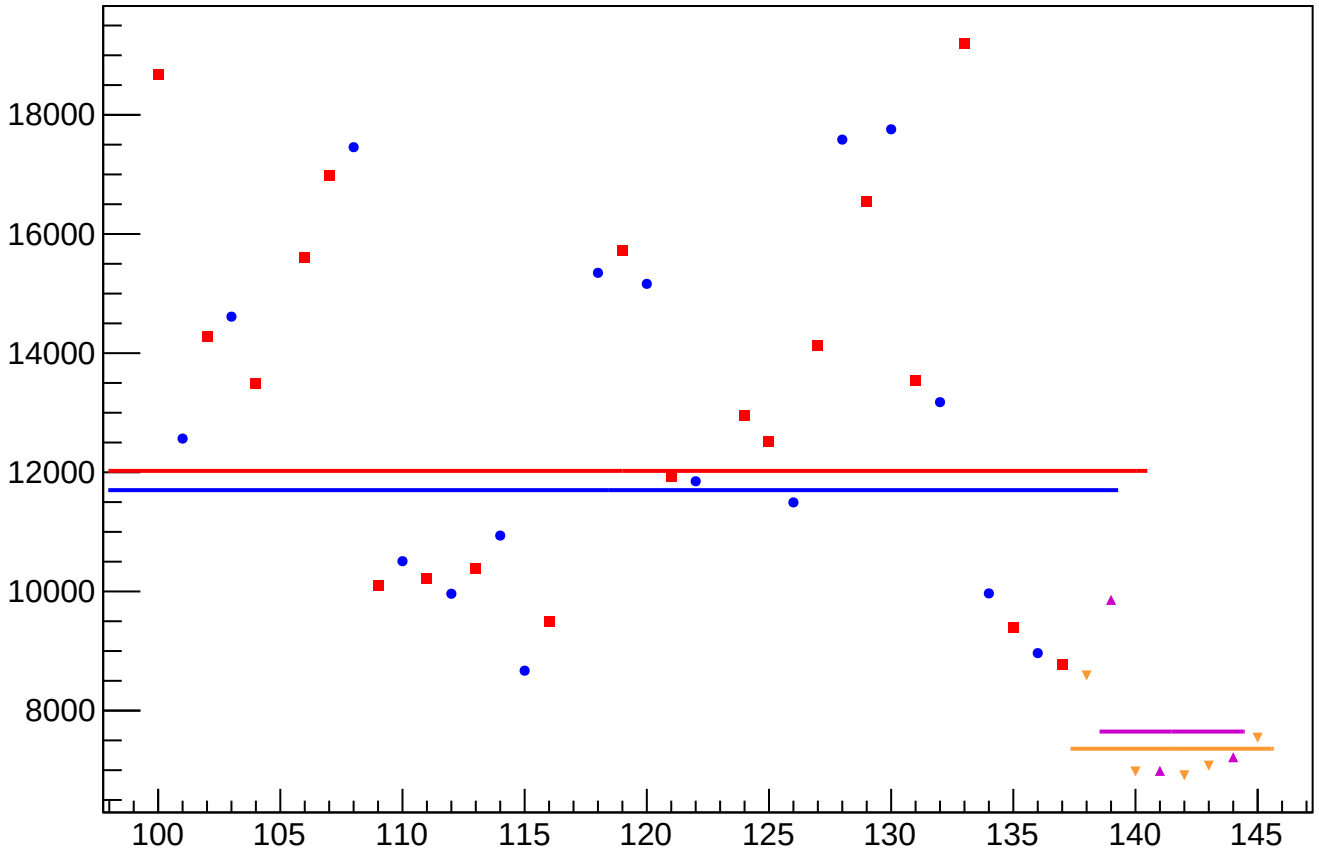
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -2.563+/-4.778 χ^2/NDF:2.3/2

+ sign -5.202+/-2.931 χ^2/NDF: 33.2/20

All: -5.724+/-2.186 χ^2/NDF: 50.8/42

- sign -6.379+/-3.283 χ^2/NDF: 17.5/21



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

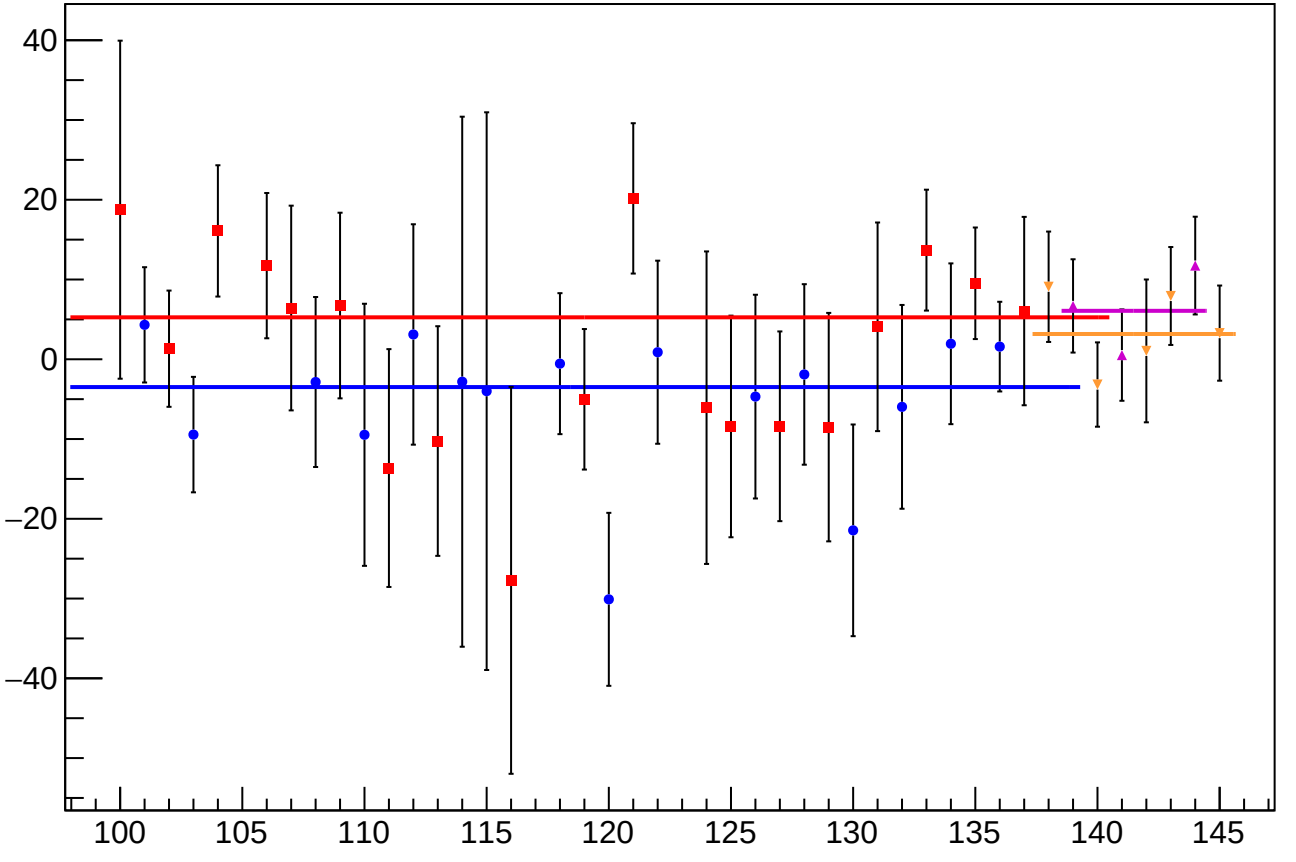
Left In: 7648.409+/-3.379 χ^2/NDF:107058.6/2

+ sign 9211.089+/-2.072 χ^2/NDF: 1856388.4/20

All: 9542.850+/-1.546 χ^2/NDF: 3591723.5/42

- sign 9959.021+/-2.321 χ^2/NDF: 1677561.4/21

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

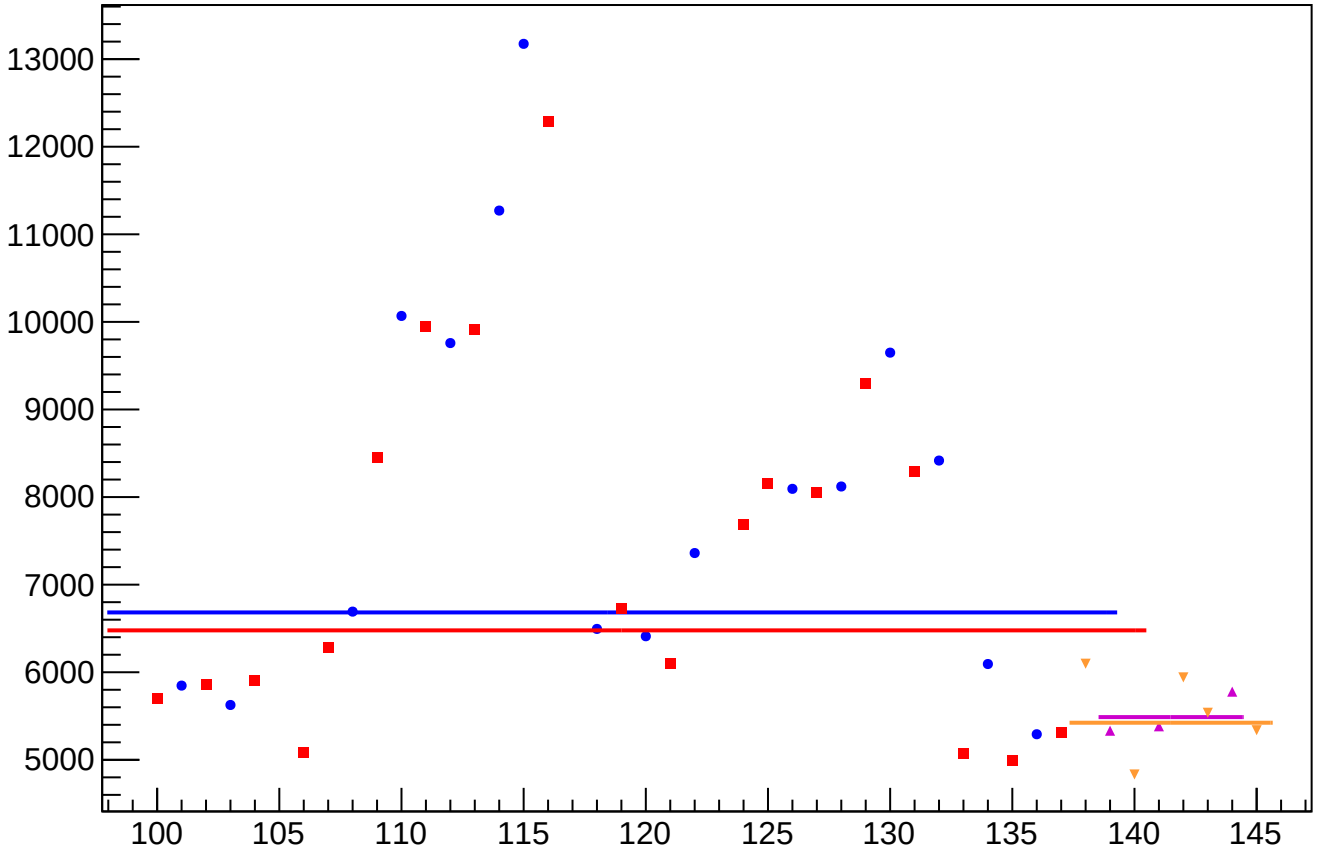
Left In: 6.074+/-3.403 χ^2/NDF:1.8/2

+ sign -0.518+/-1.898 χ^2/NDF: 17.4/20

All: 2.372+/-1.372 χ^2/NDF: 40.7/42

- sign 5.537+/-1.986 χ^2/NDF: 18.5/21

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5423.729+/-2.010 χ^2/NDF:51711.7/4

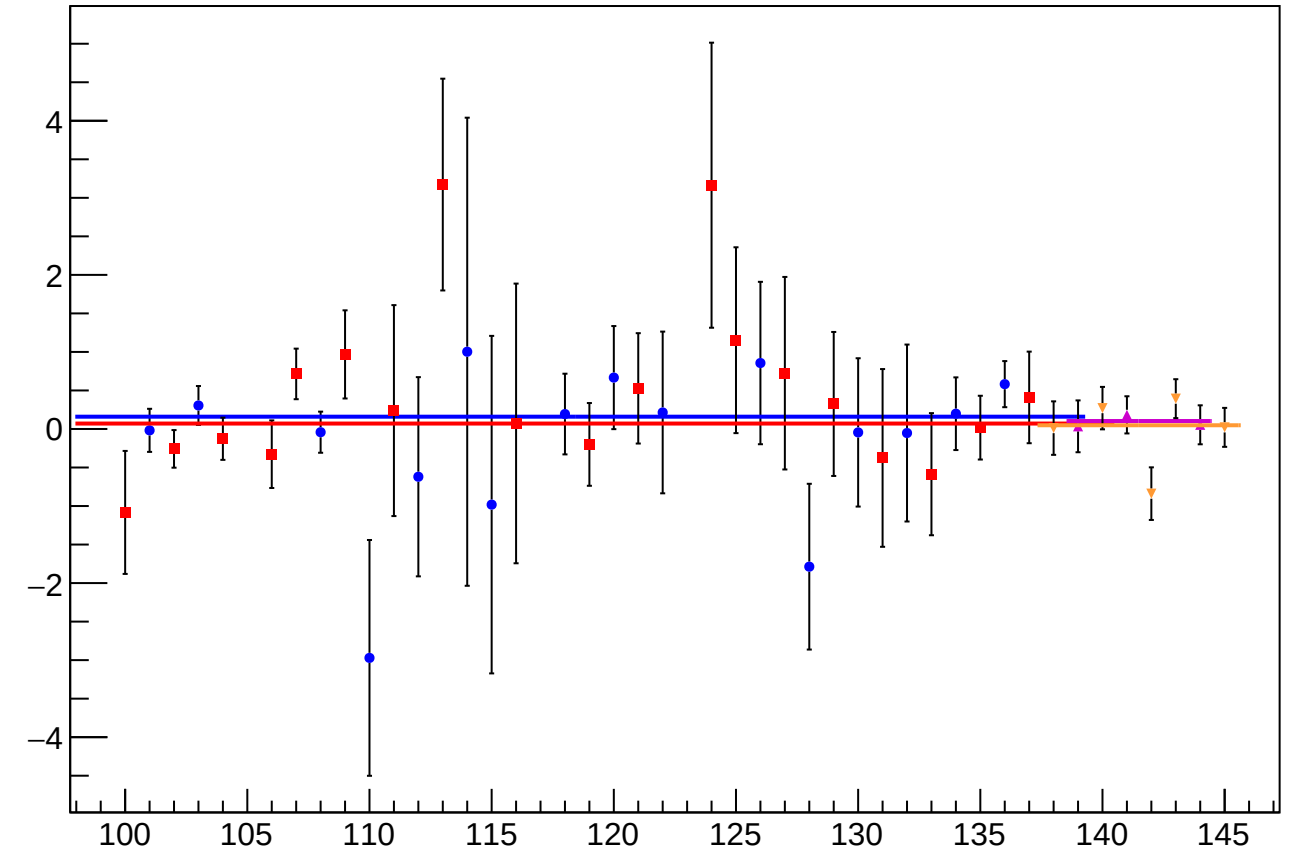
Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5487.989+/-2.407 χ^2/NDF:6576.8/2

+ sign 6121.532+/-1.342 χ^2/NDF: 961434.4/20

All: 6130.747+/-0.970 χ^2/NDF: 1918944.5/42

- sign 6140.840+/-1.405 χ^2/NDF: 957411.3/21



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

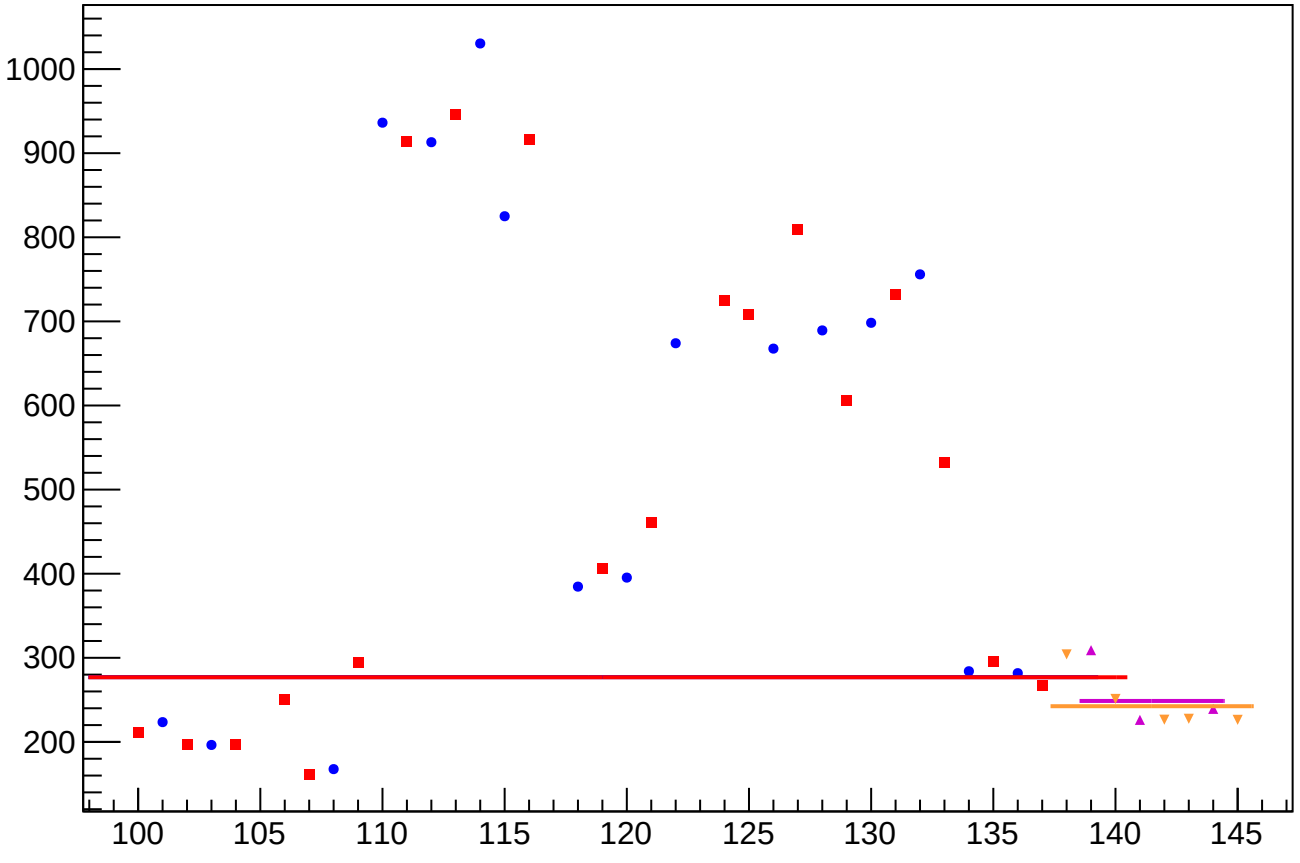
Left In: 0.103+/-0.155 χ^2/NDF:0.2/2

+ sign 0.108+/-0.087 χ^2/NDF: 22.3/20

All: 0.096+/-0.064 χ^2/NDF: 45.0/42

- sign 0.083+/-0.095 χ^2/NDF: 22.7/21

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

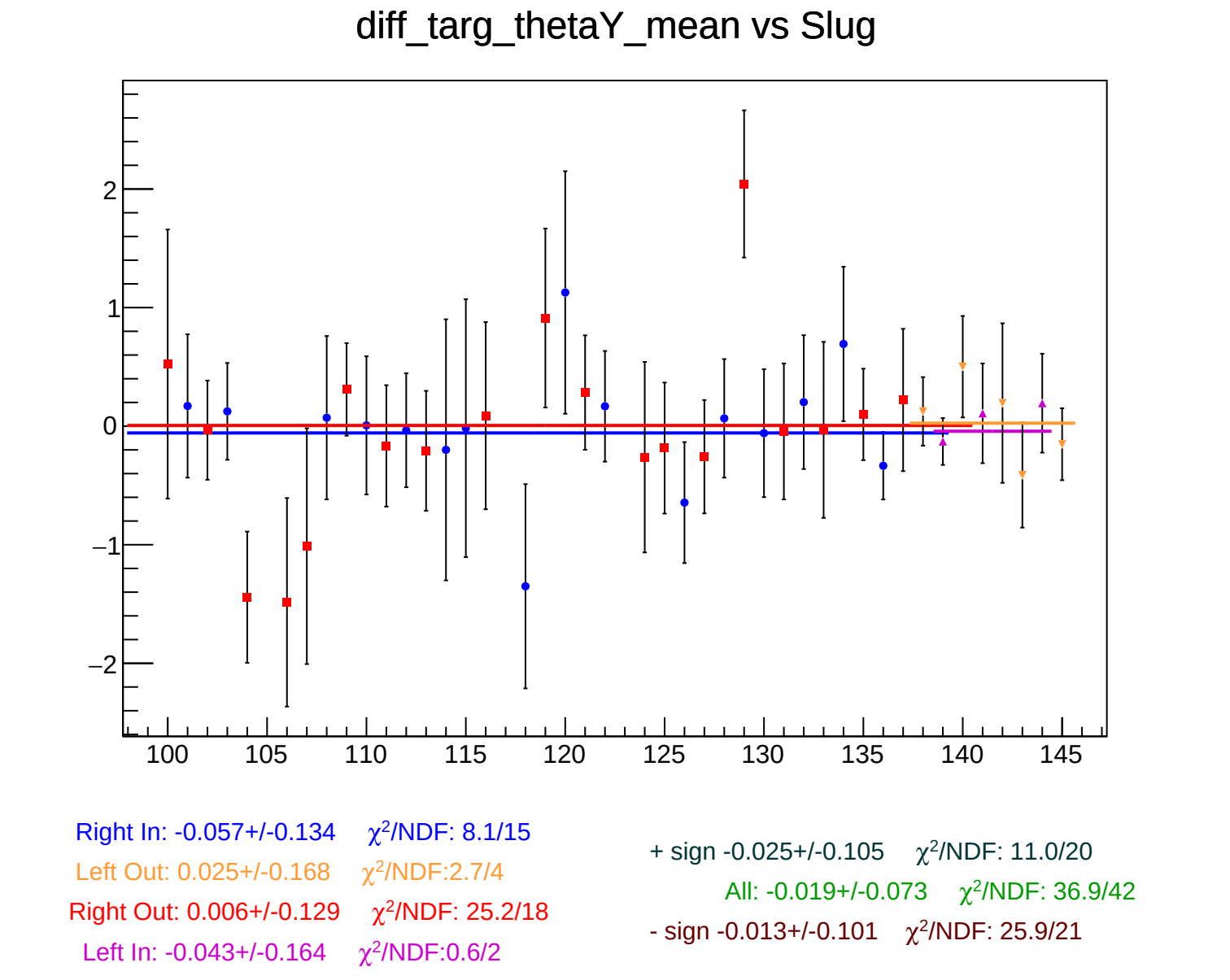
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 248.712+/-0.110 χ^2/NDF:84547.5/2

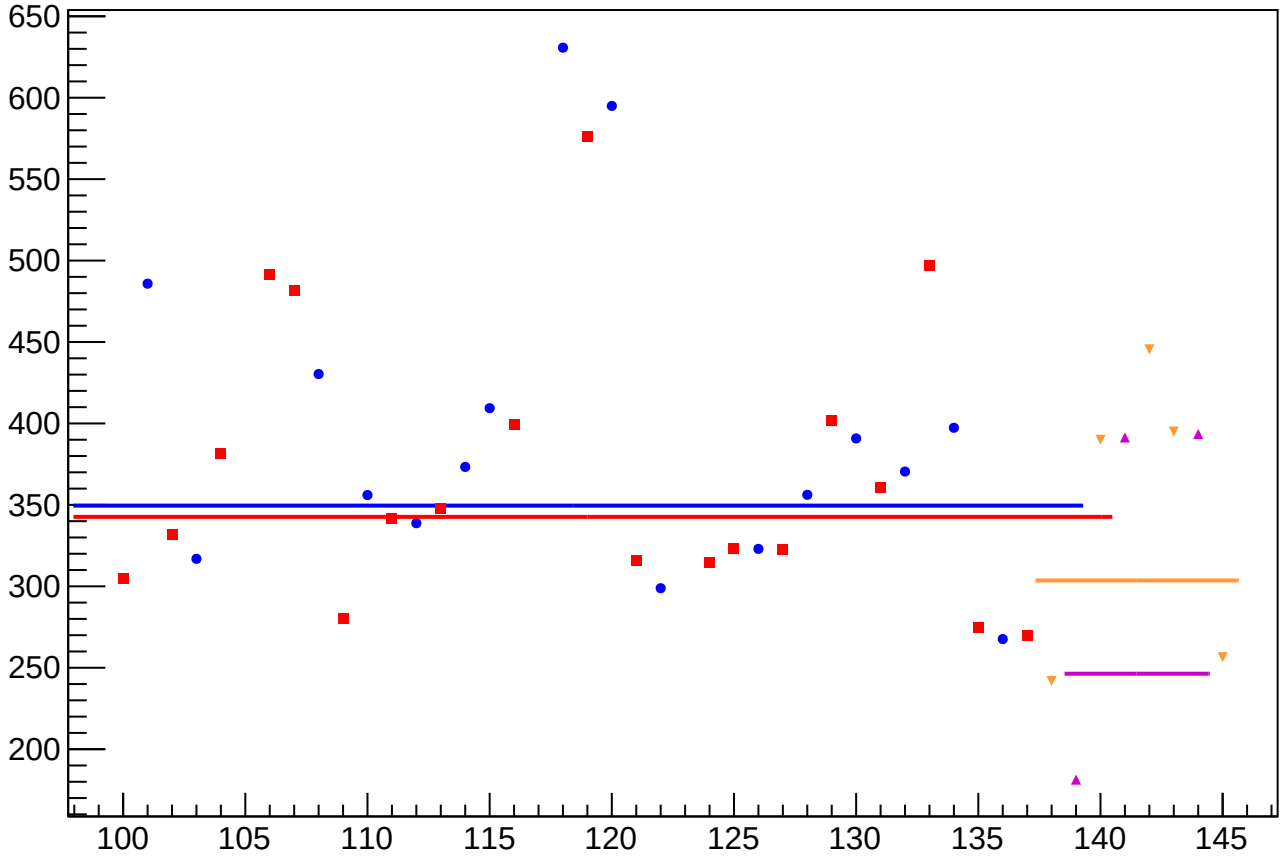
+ sign 260.855+/-0.062 χ^2/NDF: 3613276.1/20

All: 263.375+/-0.045 χ^2/NDF: 7314427.2/42

- sign 266.345+/-0.067 χ^2/NDF: 3697516.1/21


diff_targ_thetaY_mean vs Slug
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
145
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.025+/-0.168 χ²/NDF:2.7/4
Right Out: 0.006+/-0.129 χ²/NDF: 25.2/18
Left In: -0.043+/-0.164 χ²/NDF:0.6/2
+ sign -0.025+/-0.105 χ²/NDF: 11.0/20
All: -0.019+/-0.073 χ²/NDF: 36.9/42
- sign -0.013+/-0.101 χ²/NDF: 25.9/21

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

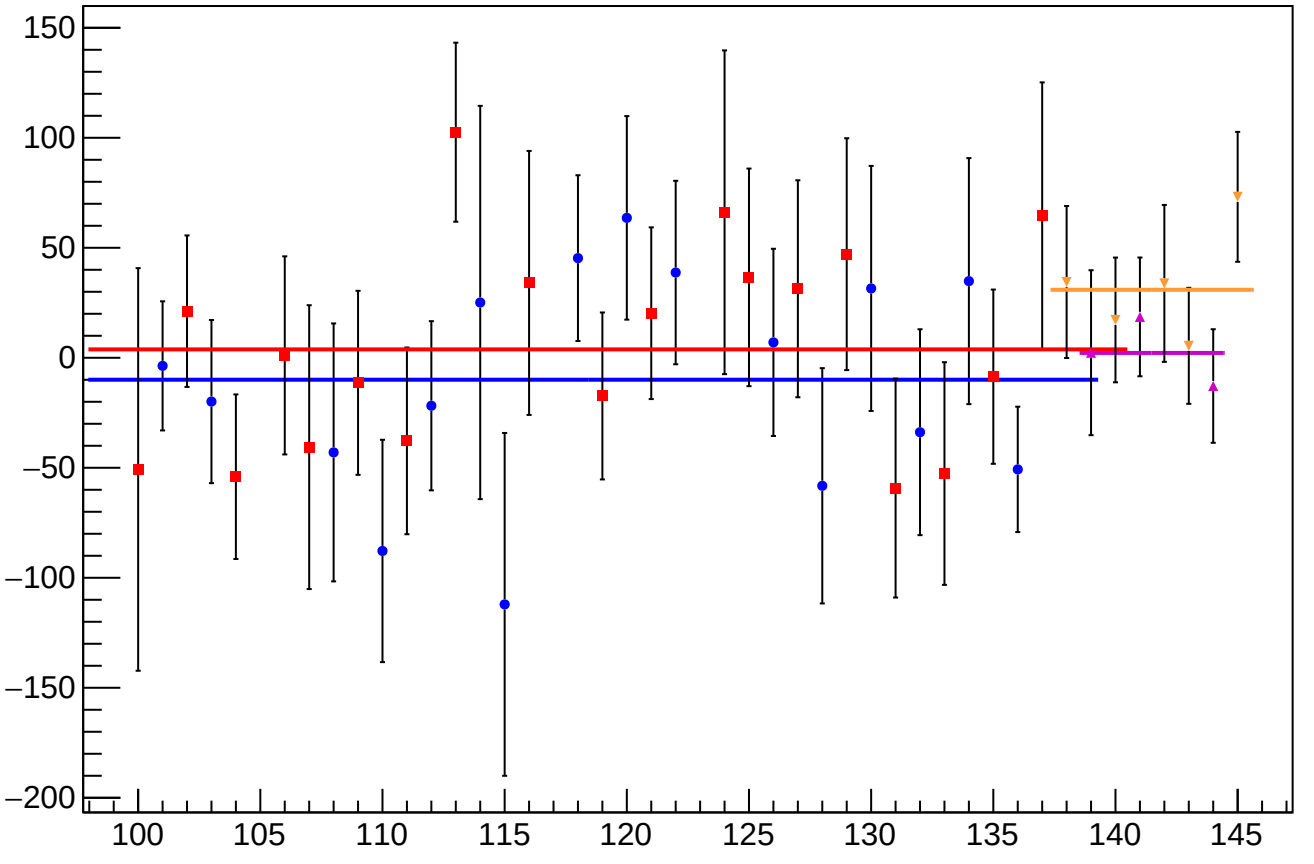
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 246.345+/-0.116 χ^2/NDF:703366.8/2

+ sign 331.658+/-0.074 χ^2/NDF: 1186436.3/20

All: 318.417+/-0.051 χ^2/NDF: 2952906.7/42

- sign 305.954+/-0.072 χ^2/NDF: 1704202.7/21



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 30.910+/-13.541 χ^2/NDF:3.2/4

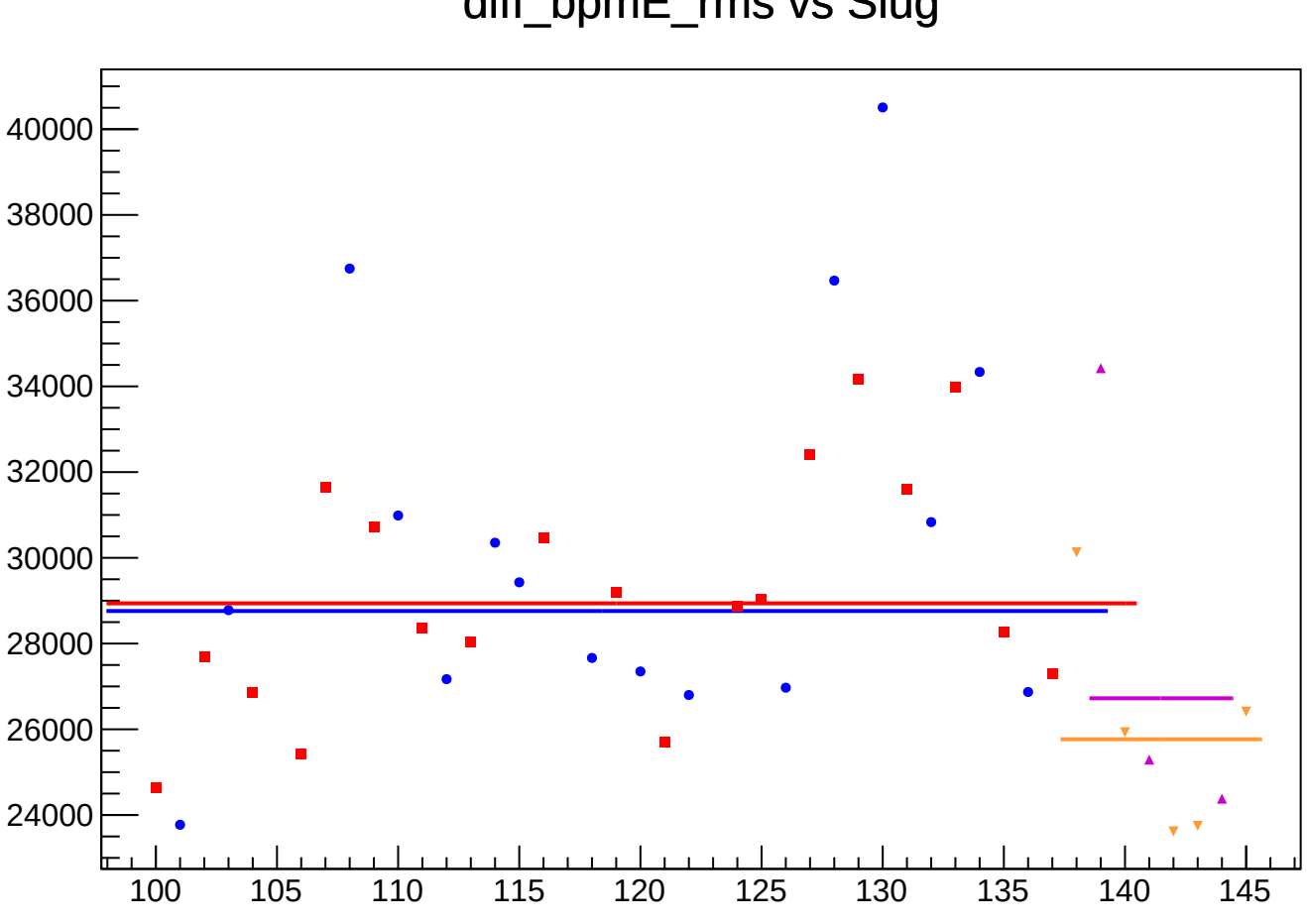
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 2.204+/-16.699 χ^2/NDF:0.7/2

\+ sign 5.990+/-8.461 χ^2/NDF: 24.1/20

All: 4.747+/-6.155 χ^2/NDF: 42.1/42

\- sign 3.349+/-8.971 χ^2/NDF: 18.0/21



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

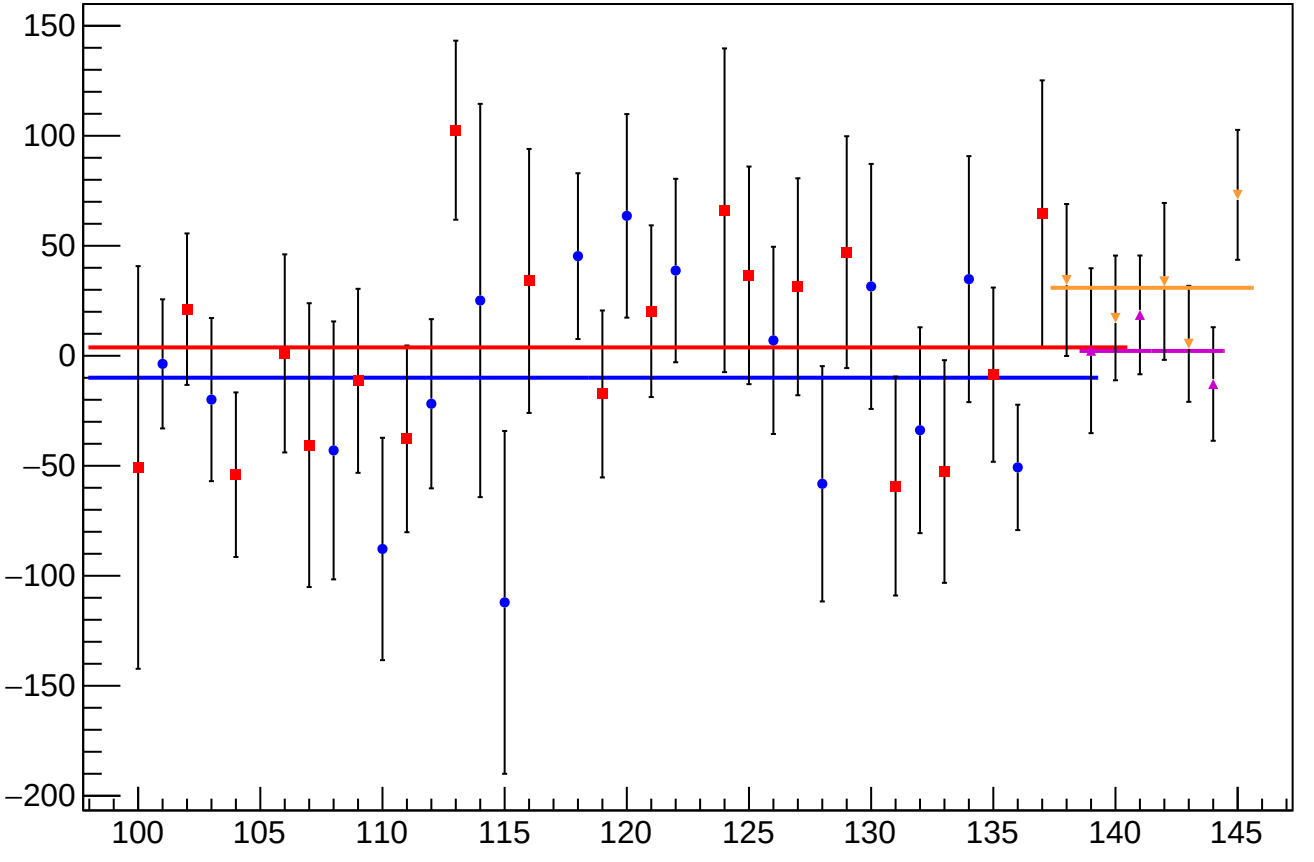
Left In: 26723.126+/-11.808 χ^2/NDF:106498.0/2

+ sign 27590.959+/-5.983 χ^2/NDF: 389089.4/20

All: 27924.043+/-4.352 χ^2/NDF: 633459.2/42

- sign 28298.521+/-6.343 χ^2/NDF: 237785.2/21

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

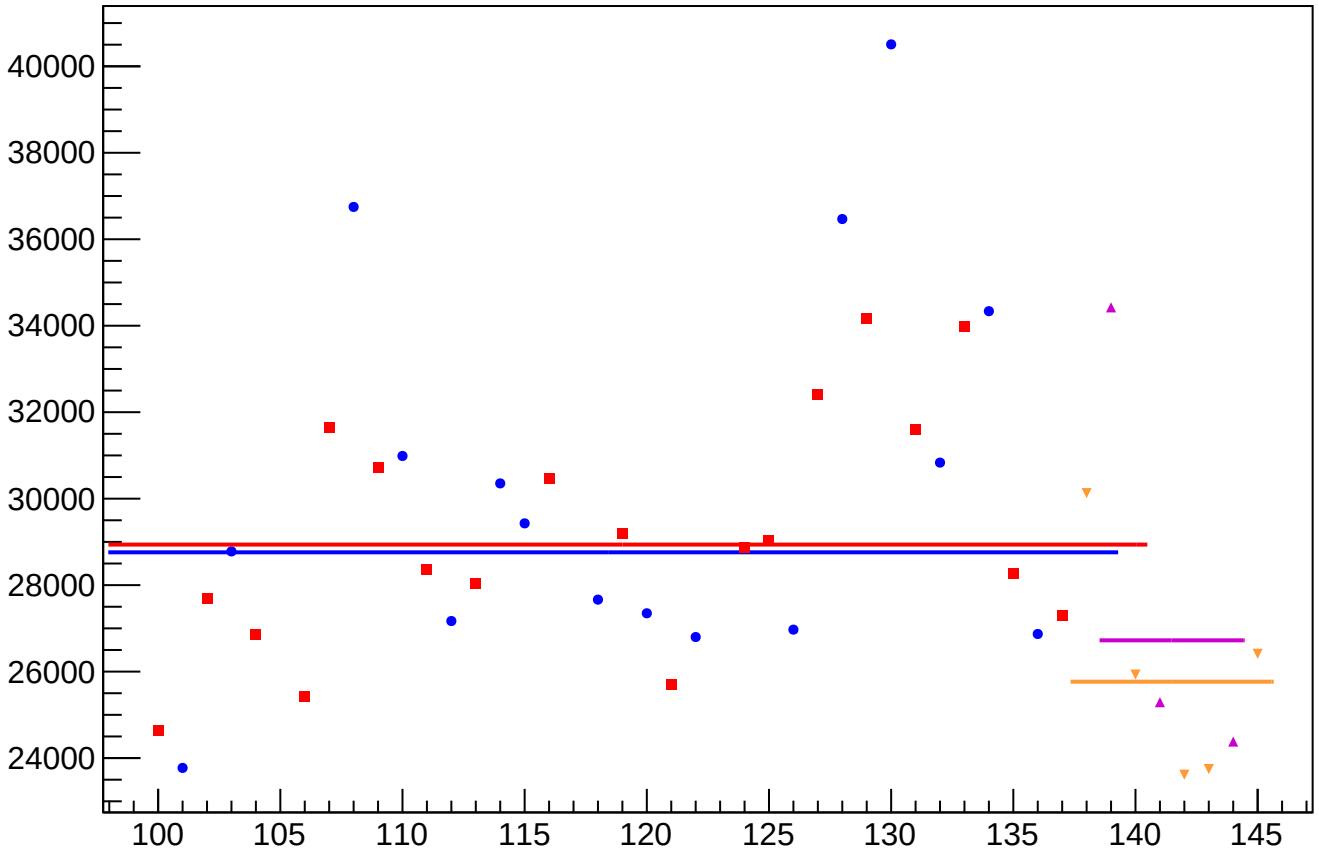
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 2.204+/-16.699 χ^2/NDF:0.7/2

\+ sign 5.990+/-8.461 χ^2/NDF: 24.1/20

All: 4.747+/-6.155 χ^2/NDF: 42.1/42

\- sign 3.349+/-8.971 χ^2/NDF: 18.0/21



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

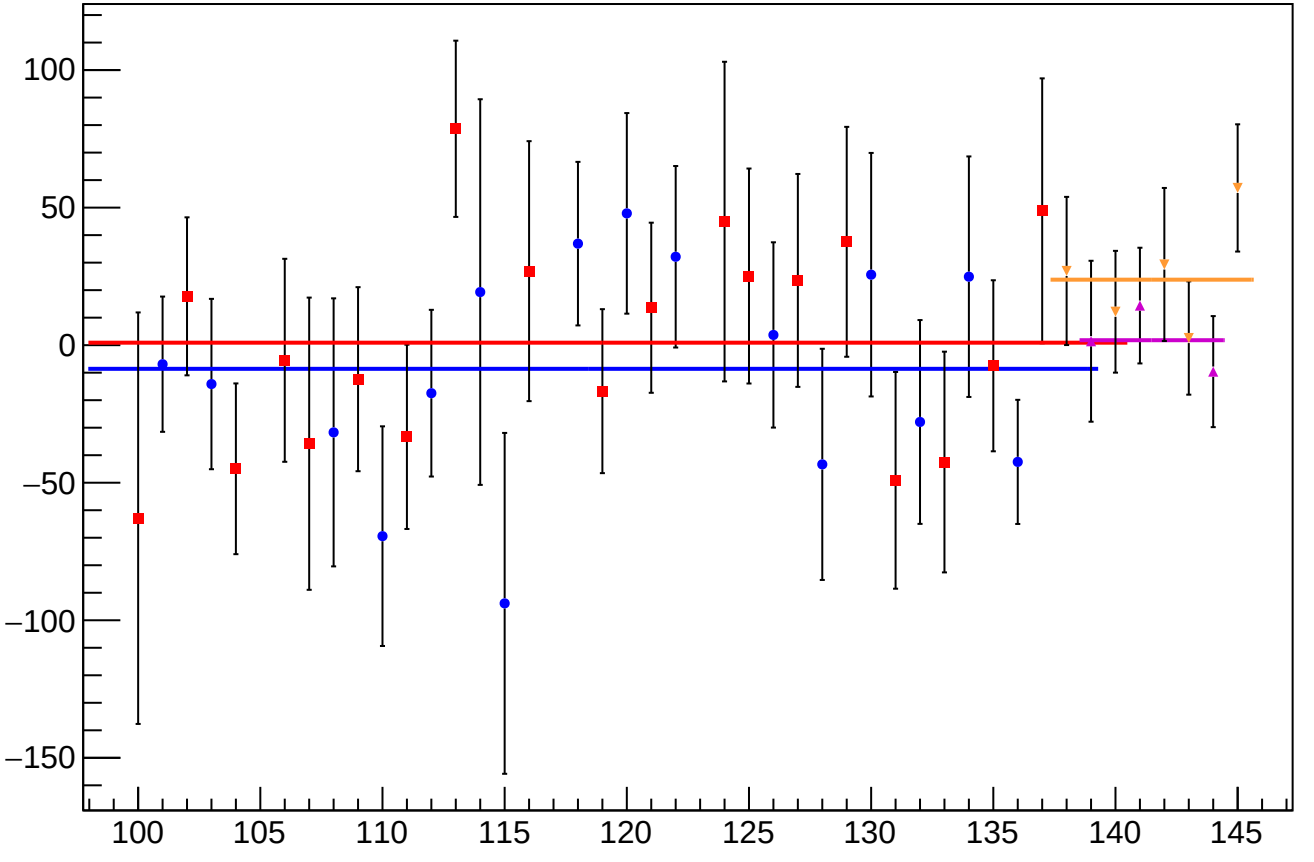
Left In: 26723.126+/-11.808 χ^2/NDF:106498.0/2

+ sign 27590.959+/-5.983 χ^2/NDF: 389089.4/20

All: 27924.043+/-4.352 χ^2/NDF: 633459.2/42

- sign 28298.521+/-6.343 χ^2/NDF: 237785.2/21

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

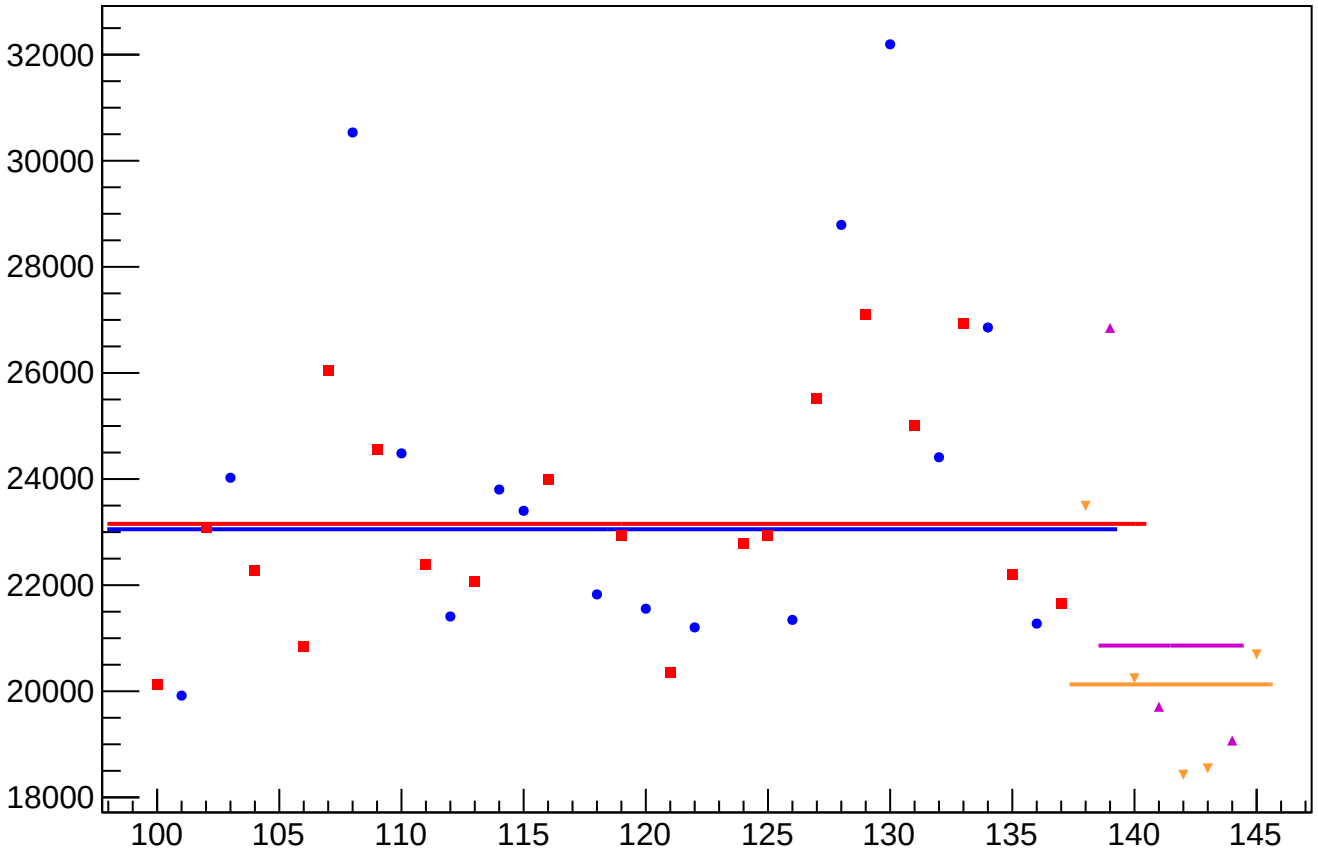
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 1.803+/-13.036 χ^2/NDF:0.7/2

+ sign 4.441+/-6.709 χ^2/NDF: 24.6/20

All: 2.904+/-4.884 χ^2/NDF: 43.0/42

- sign 1.172+/-7.124 χ^2/NDF: 18.3/21



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20129.159+/-7.479 χ^2/NDF:51798.6/4

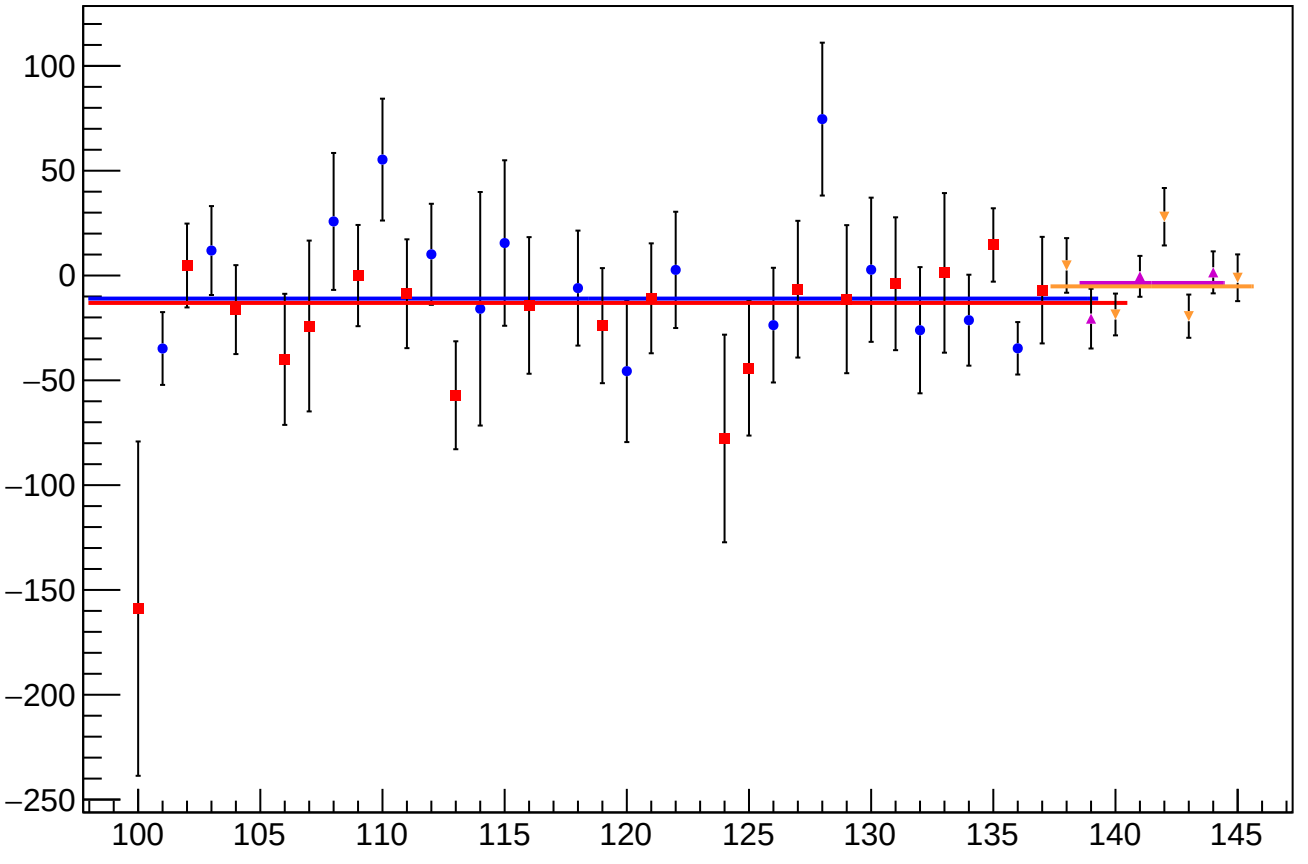
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20861.324+/-9.218 χ^2/NDF:105583.8/2

+ sign 21877.092+/-4.744 χ^2/NDF: 404643.4/20

All: 22155.915+/-3.453 χ^2/NDF: 654907.0/42

- sign 22470.260+/-5.037 χ^2/NDF: 242914.7/21



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

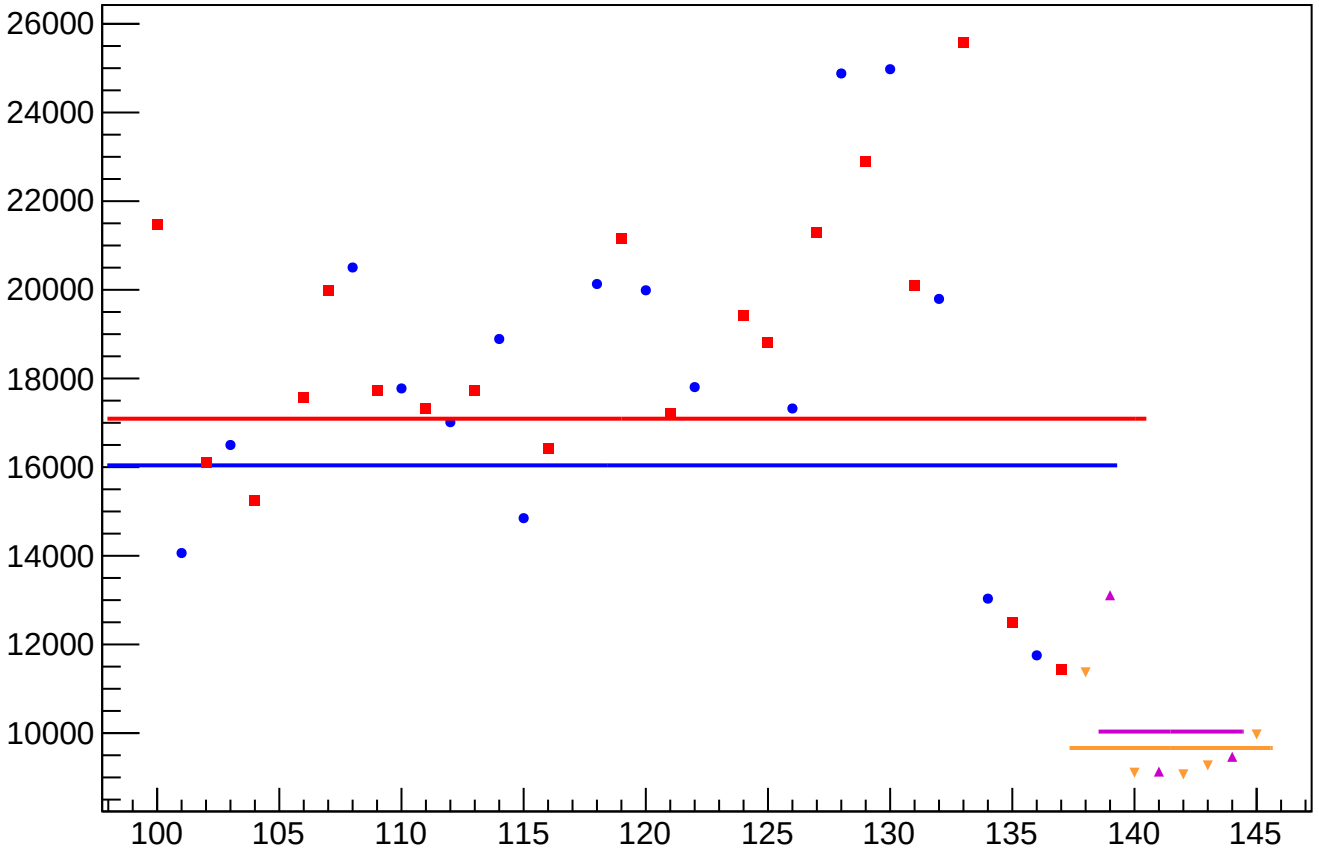
Left In: -3.553+/-6.275 χ^2/NDF:1.8/2

+ sign -7.537+/-3.918 χ^2/NDF: 32.9/20

All: -7.838+/-2.948 χ^2/NDF: 49.7/42

- sign -8.231+/-4.474 χ^2/NDF: 16.8/21

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

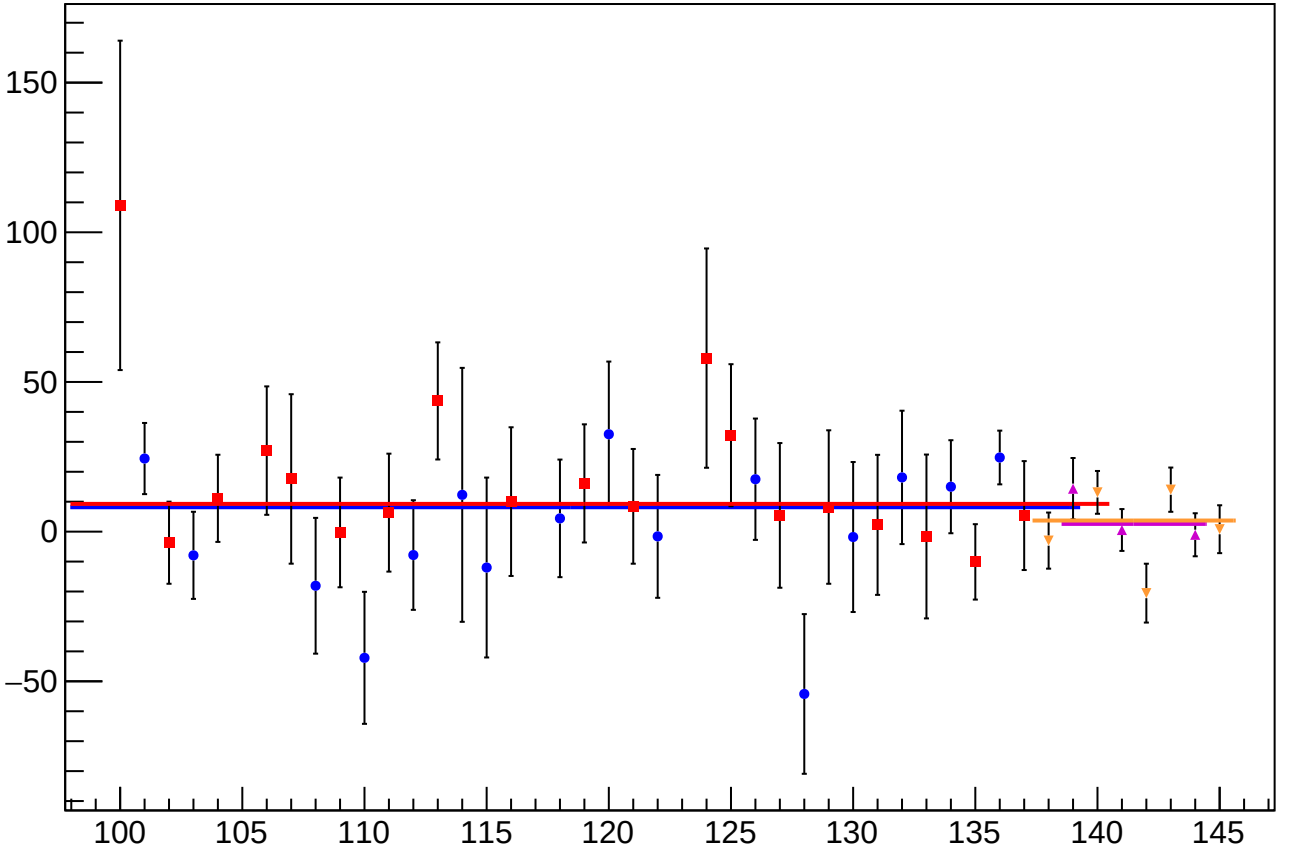
Left In: 10034.403+/-4.437 χ^2/NDF:116646.4/2

\+ sign 12248.381+/-2.771 χ^2/NDF: 2047634.7/20

All: 12793.312+/-2.084 χ^2/NDF: 4032724.3/4

\- sign 13503.932+/-3.164 χ^2/NDF: 1895958.6/21

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

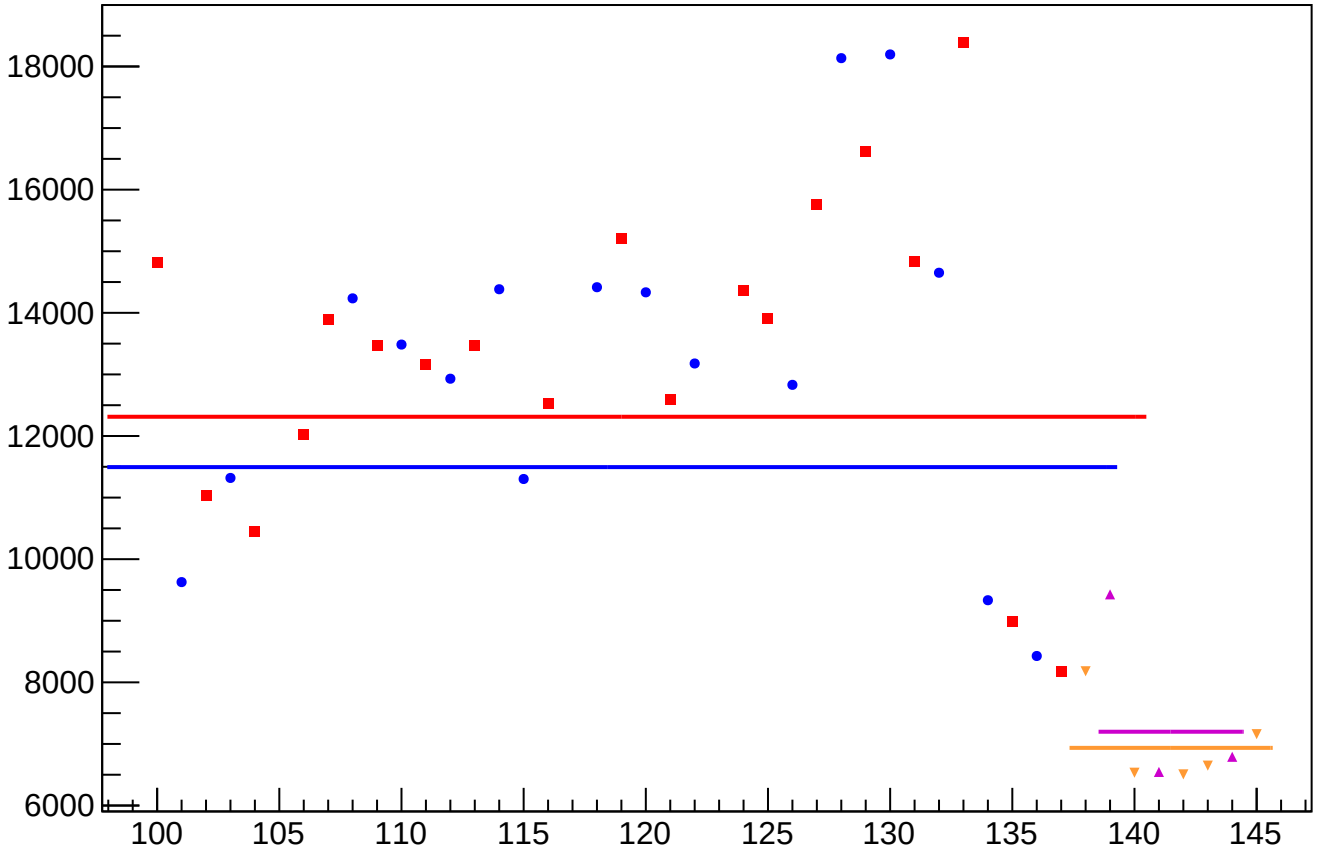
Left In: 2.585+/-4.502 χ^2/NDF:1.7/2

+ sign 5.507+/-2.813 χ^2/NDF: 32.8/20

All: 5.656+/-2.119 χ^2/NDF: 49.4/42

- sign 5.850+/-3.220 χ^2/NDF: 16.6/21

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

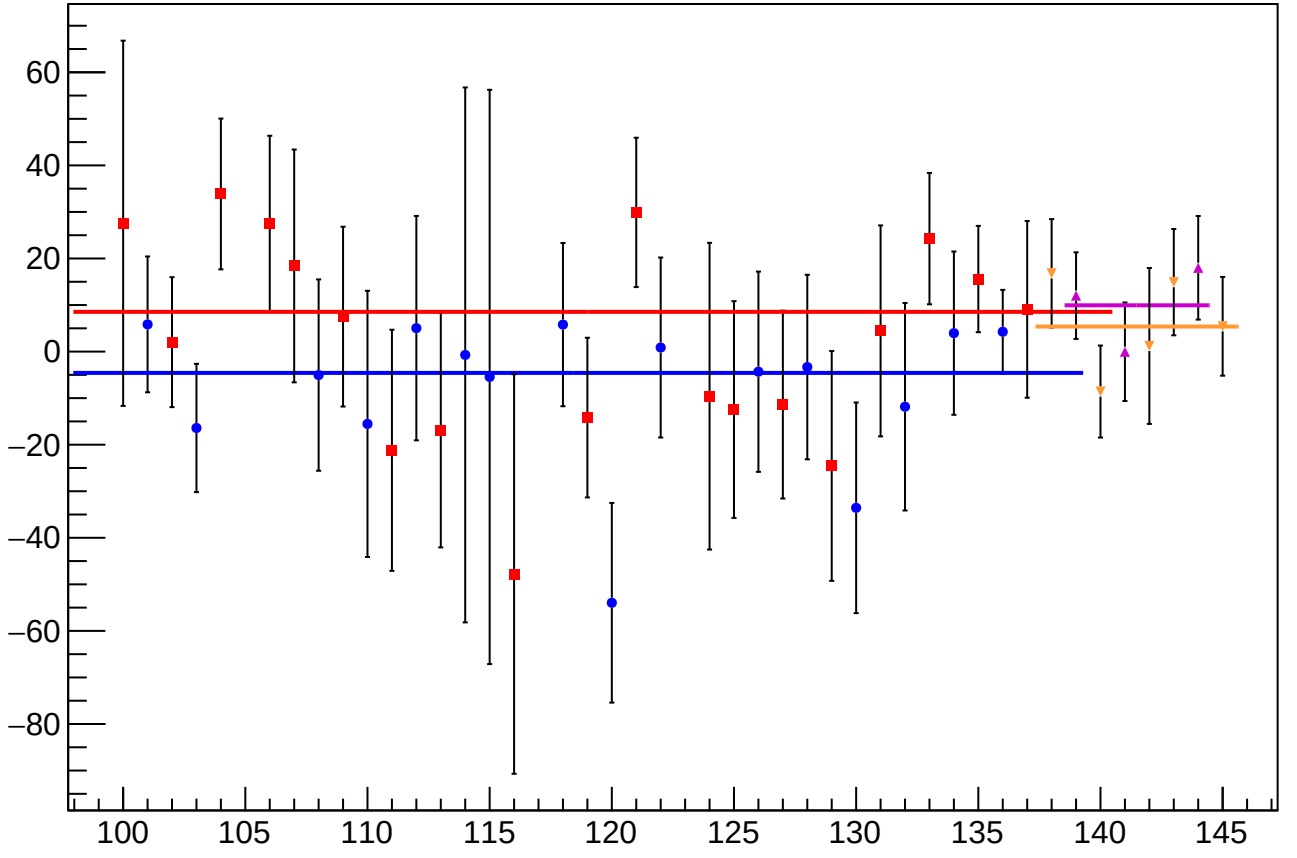
Left In: 7198.219+/-3.184 χ^2/NDF:118518.8/2

+ sign 8780.823+/-1.989 χ^2/NDF: 2105040.4/20

All: 9177.207+/-1.498 χ^2/NDF: 4174690.8/42

- sign 9696.464+/-2.277 χ^2/NDF: 1977939.8/21

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

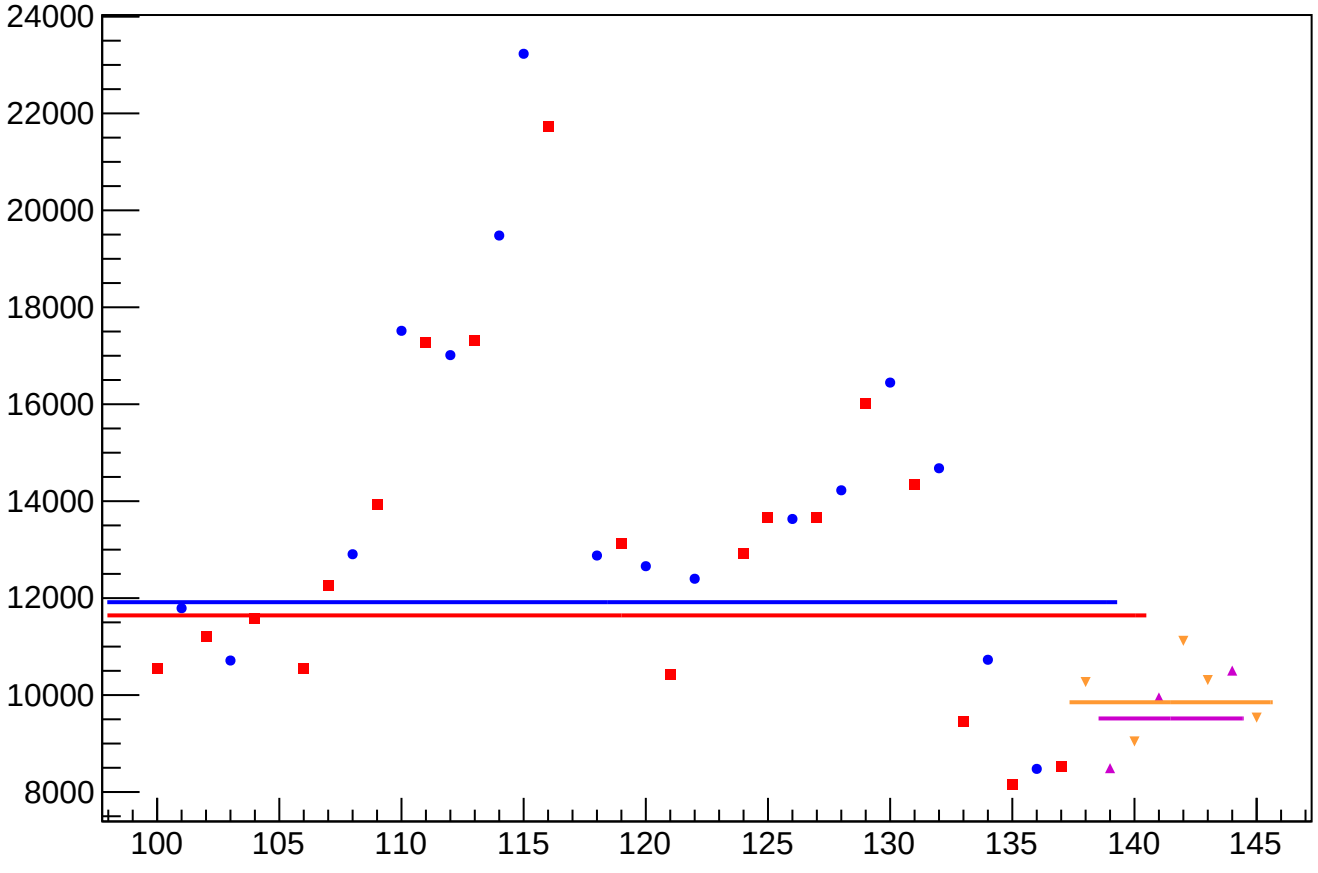
Left In: 9.943+/-5.917 χ^2/NDF:1.5/2

+ sign -0.206+/-3.411 χ^2/NDF: 16.1/20

All: 4.261+/-2.452 χ^2/NDF: 38.3/42

- sign 9.037+/-3.527 χ^2/NDF: 18.7/21

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

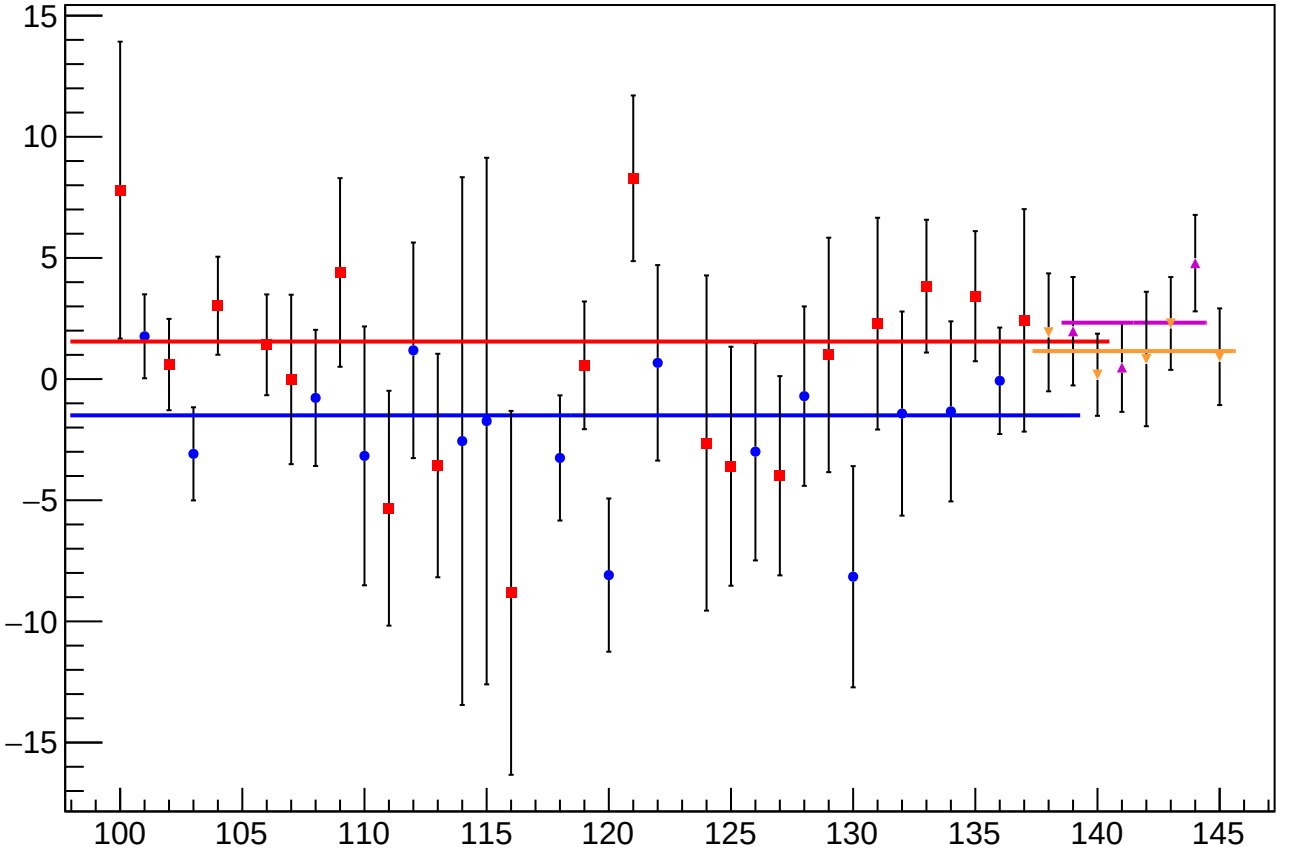
Left In: 9517.466+/-4.184 χ^2/NDF:43400.4/2

+ sign 11009.924+/-2.412 χ^2/NDF: 962644.0/20

All: 10951.136+/-1.734 χ^2/NDF: 1964122.5/4

- sign 10888.281+/-2.494 χ^2/NDF: 1000249.1/21

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

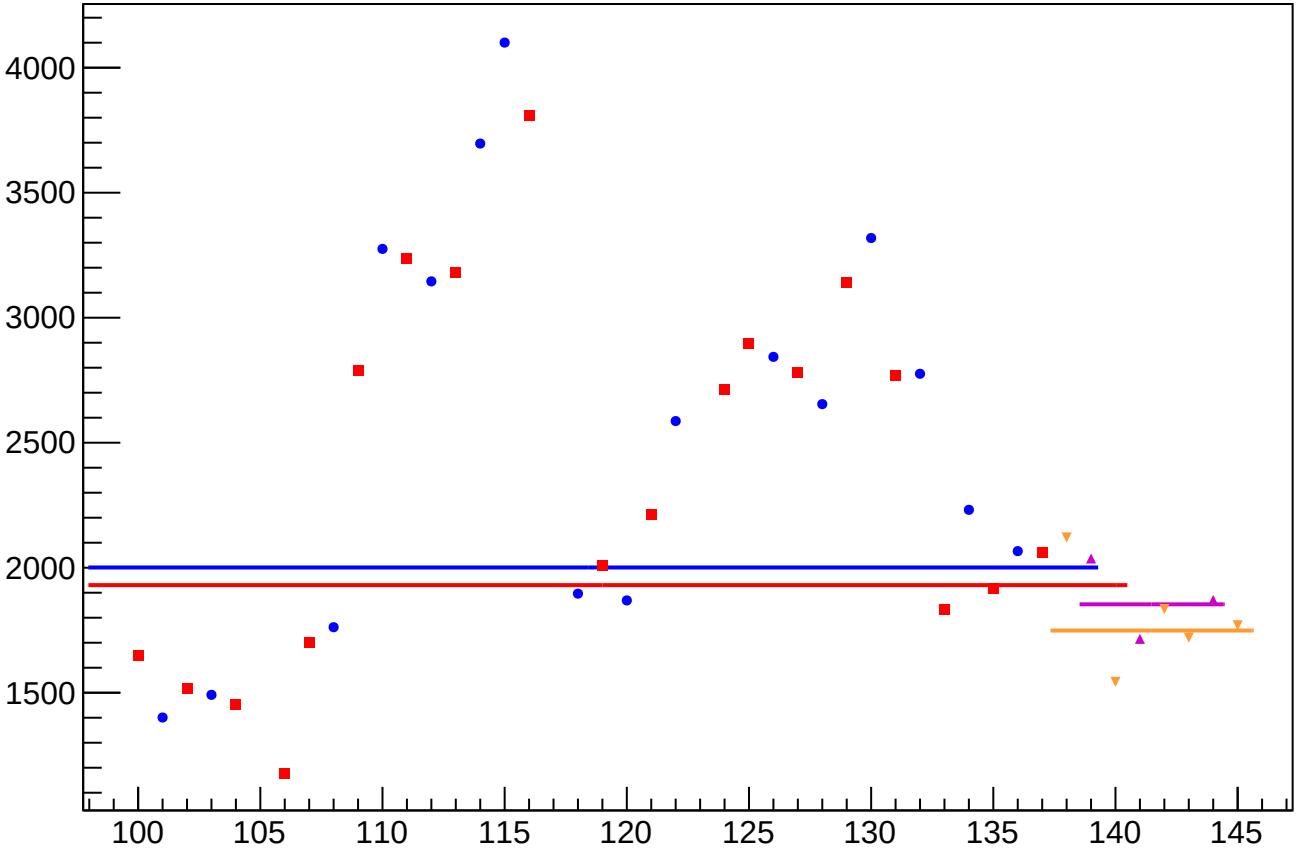
Left In: 2.328+/-1.155 χ^2/NDF:2.6/2

\+ sign -0.396+/-0.595 χ^2/NDF: 18.2/20

All: 0.637+/-0.431 χ^2/NDF: 43.7/42

\- sign 1.779+/-0.626 χ^2/NDF: 19.2/21

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

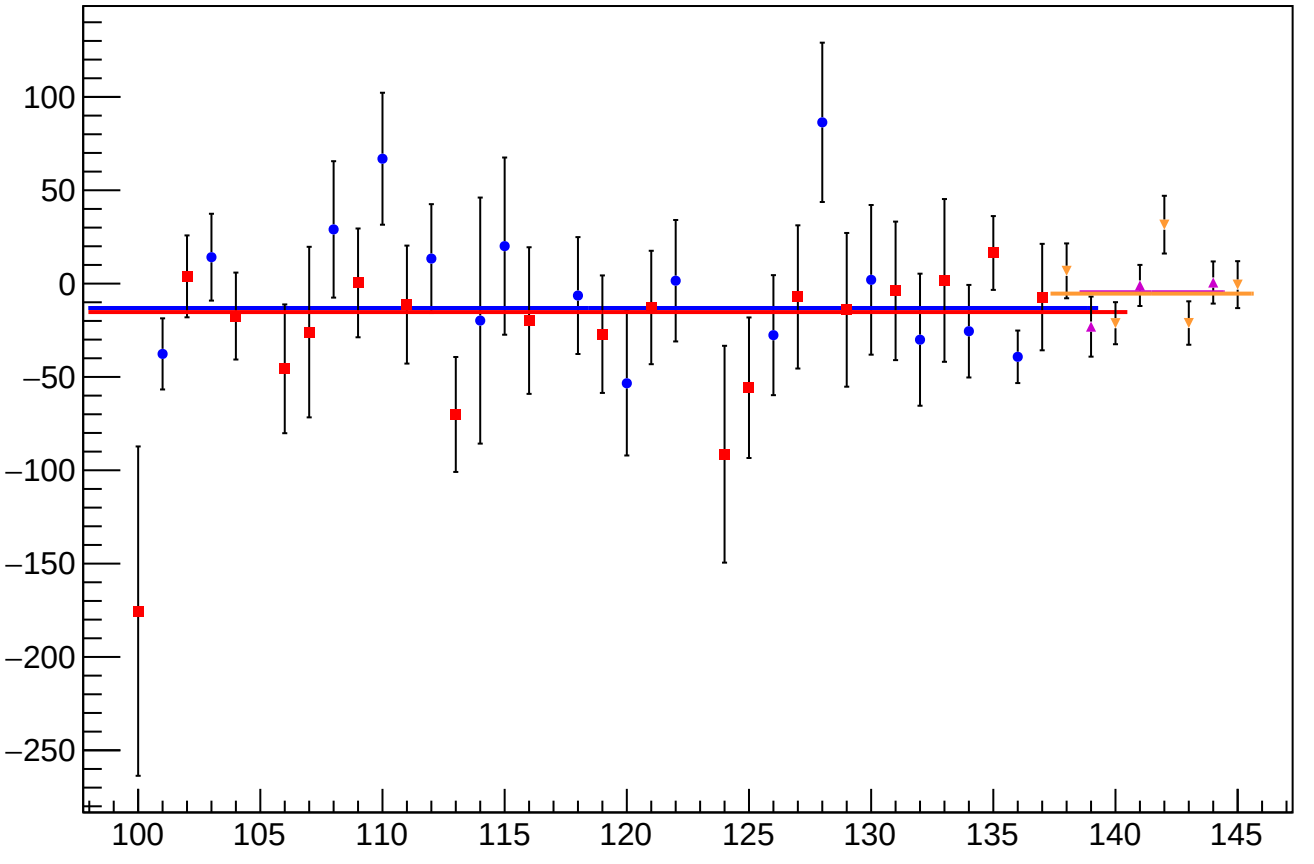
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1853.573+/-0.817 χ^2/NDF:24936.1/2

+ sign 1896.389+/-0.421 χ^2/NDF: 1355638.8/20

All: 1901.843+/-0.305 χ^2/NDF: 2790738.6/42

- sign 1907.868+/-0.442 χ^2/NDF: 1434746.5/21



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

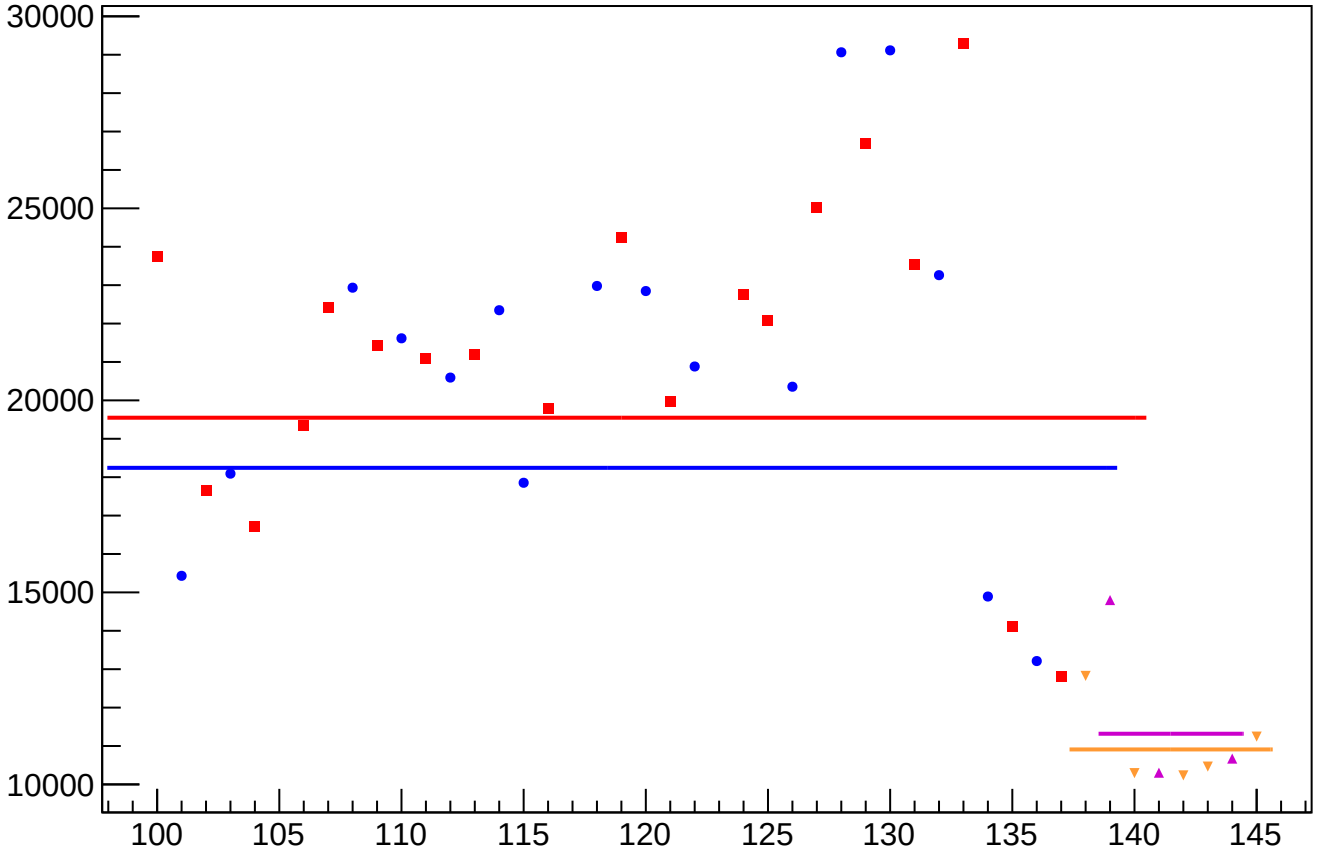
Left In: -4.639+/-7.079 χ^2/NDF:1.6/2

\+ sign -8.441+/-4.443 χ^2/NDF: 32.9/20

All: -9.015+/-3.347 χ^2/NDF: 50.0/42

\- sign -9.768+/-5.089 χ^2/NDF: 17.1/21

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

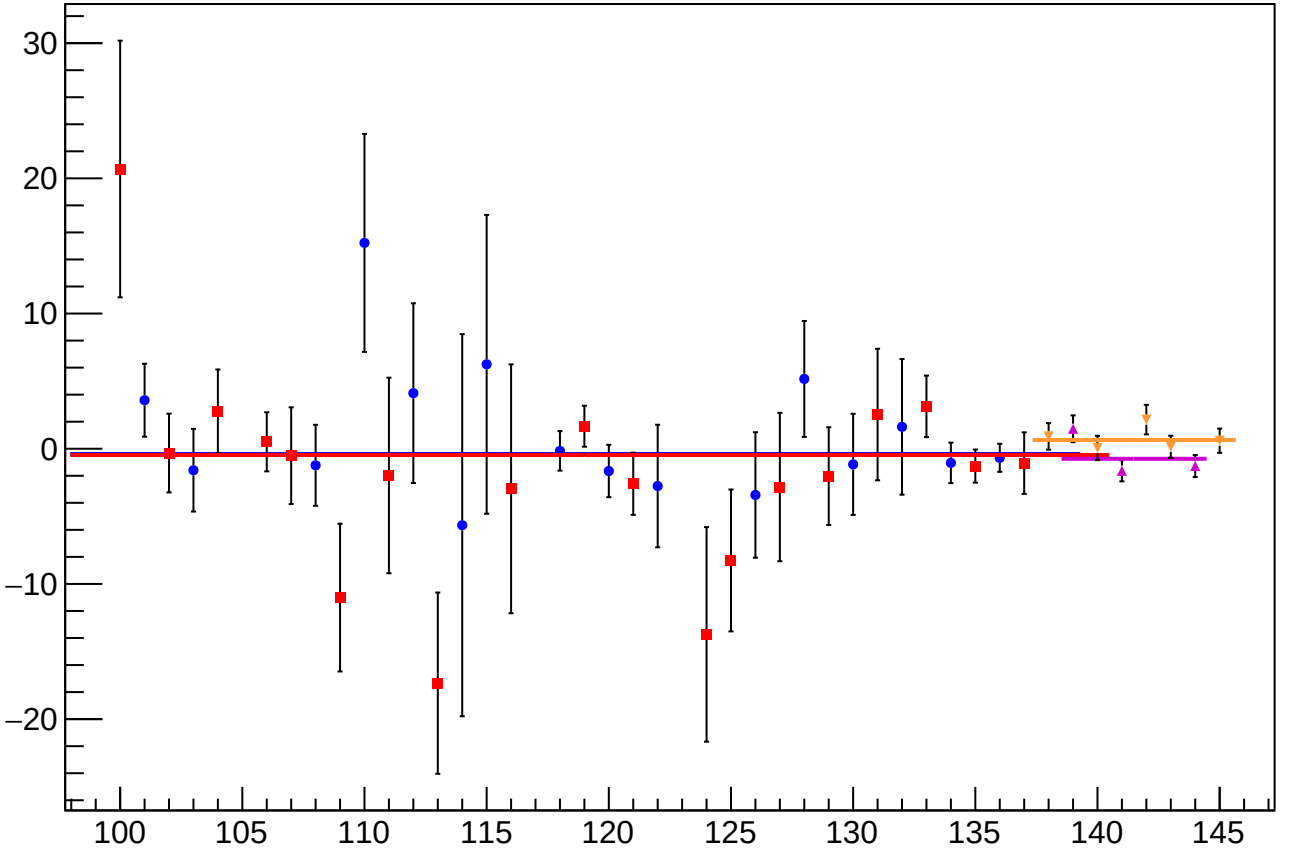
Left In: 11319.286+/-5.005 χ^2/NDF:117122.5/2

\+ sign 13842.476+/-3.142 χ^2/NDF: 2175269.0/20

All: 14471.061+/-2.367 χ^2/NDF: 4312682.5/4

\- sign 15295.675+/-3.598 χ^2/NDF: 2044865.0/21

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

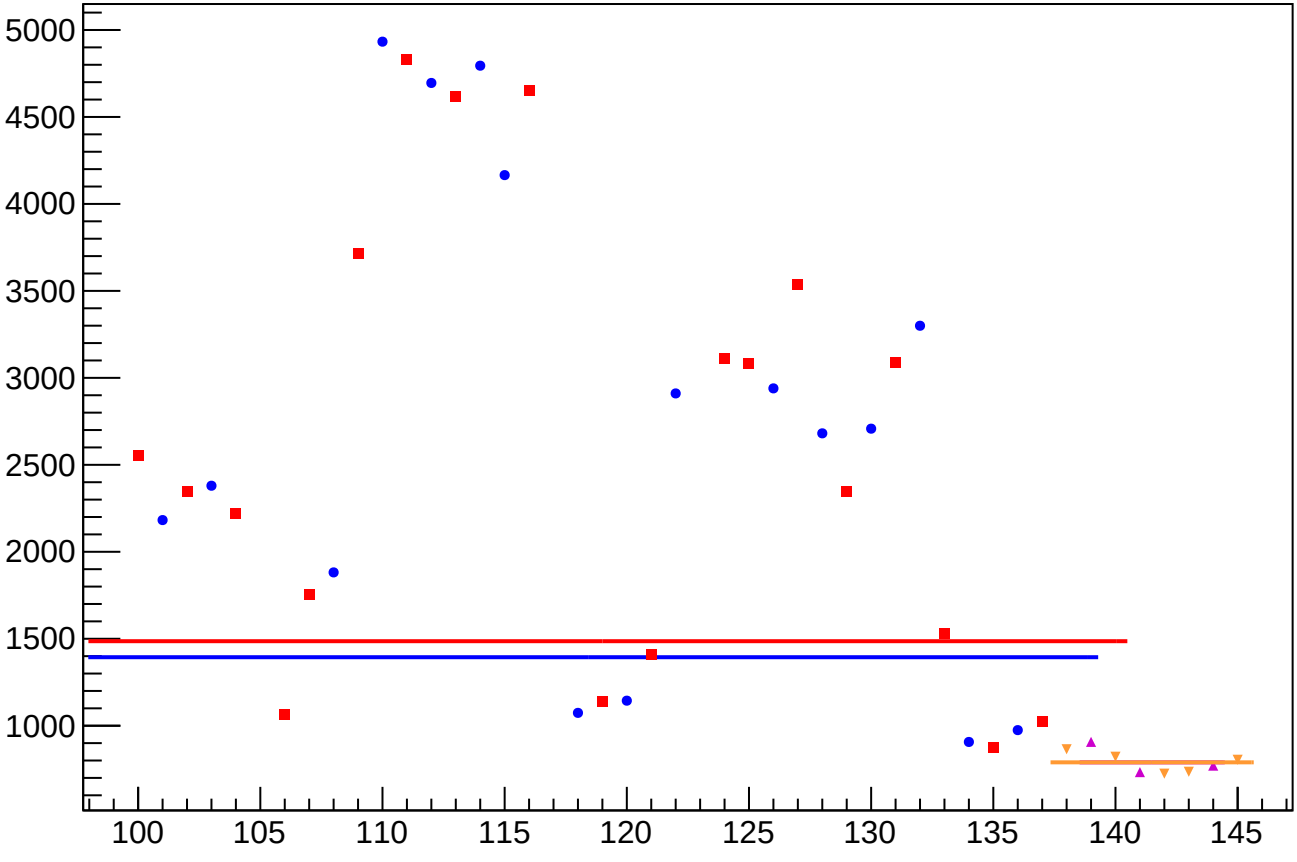
Left In: -0.743+/-0.490 χ^2/NDF:6.7/2

+ sign 0.312+/-0.340 χ^2/NDF: 15.2/20

All: -0.102+/-0.256 χ^2/NDF: 53.6/42

- sign -0.639+/-0.388 χ^2/NDF: 34.9/21

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

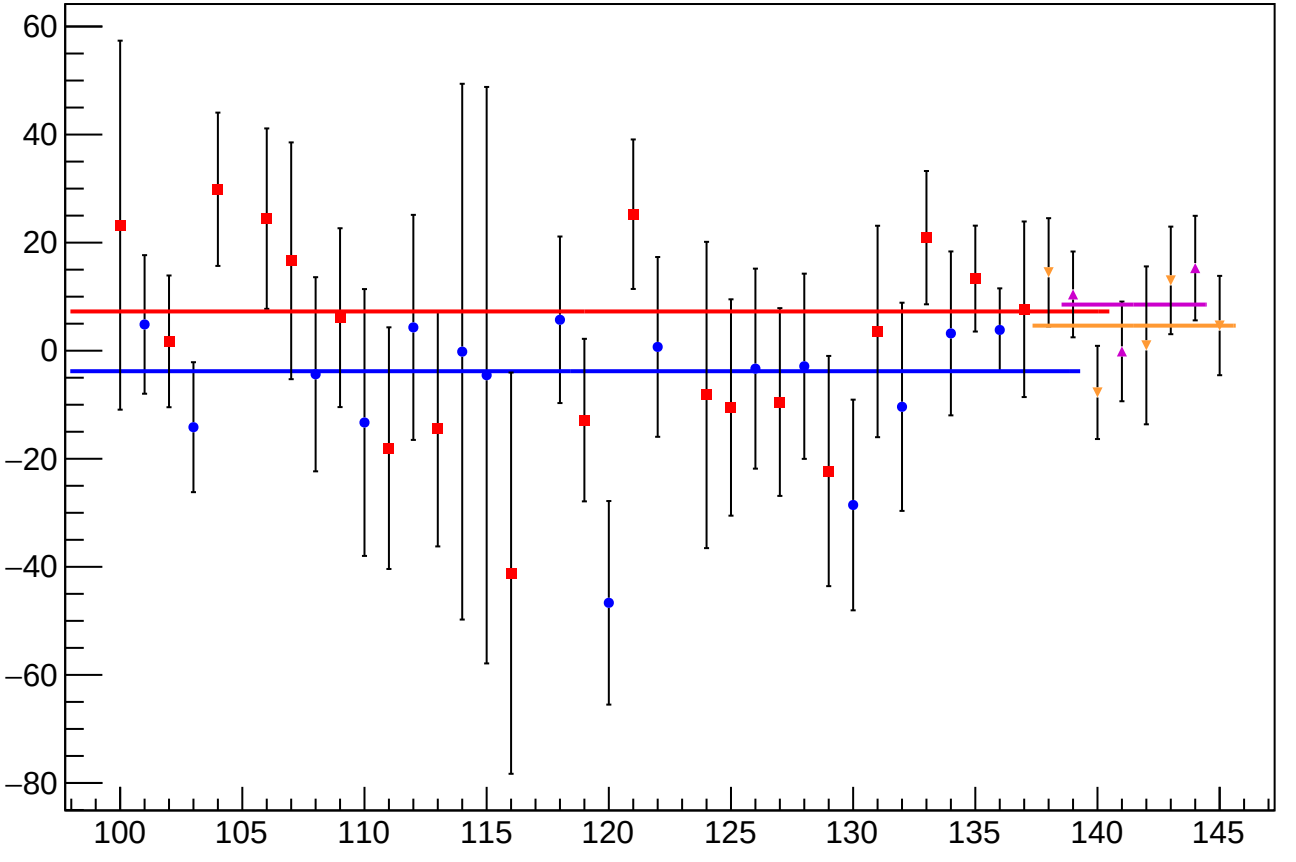
Left In: 789.351+/-0.346 χ^2/NDF:39687.5/2

+ sign 983.991+/-0.241 χ^2/NDF: 4787548.7/20

All: 1012.658+/-0.181 χ^2/NDF: 9771001.1/42

- sign 1049.819+/-0.274 χ^2/NDF: 4950887.7/21

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

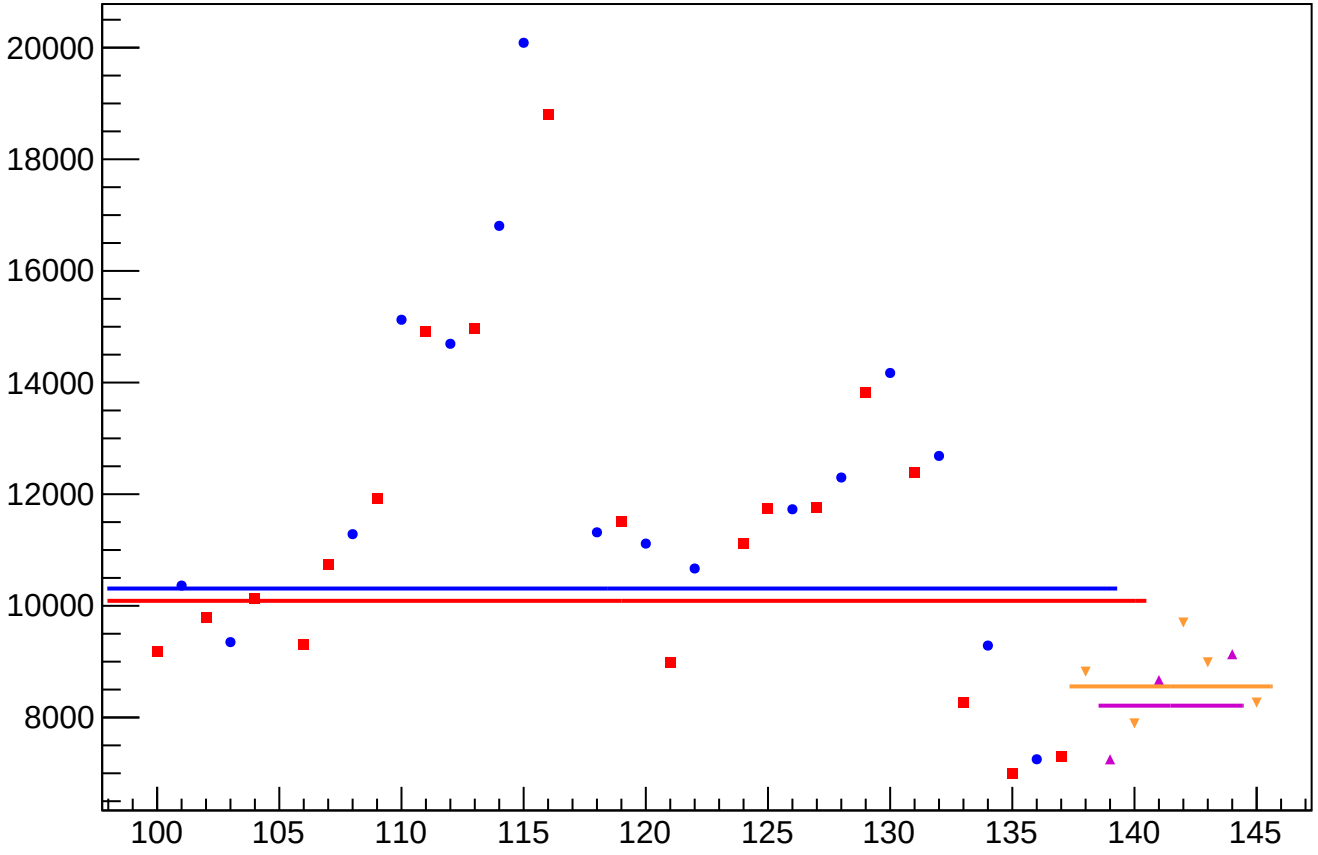
Left In: 8.537+/-5.109 χ^2/NDF:1.4/2

\+ sign -0.105+/-2.957 χ^2/NDF: 15.9/20

All: 3.683+/-2.124 χ^2/NDF: 38.0/42

\- sign 7.718+/-3.053 χ^2/NDF: 18.7/21

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

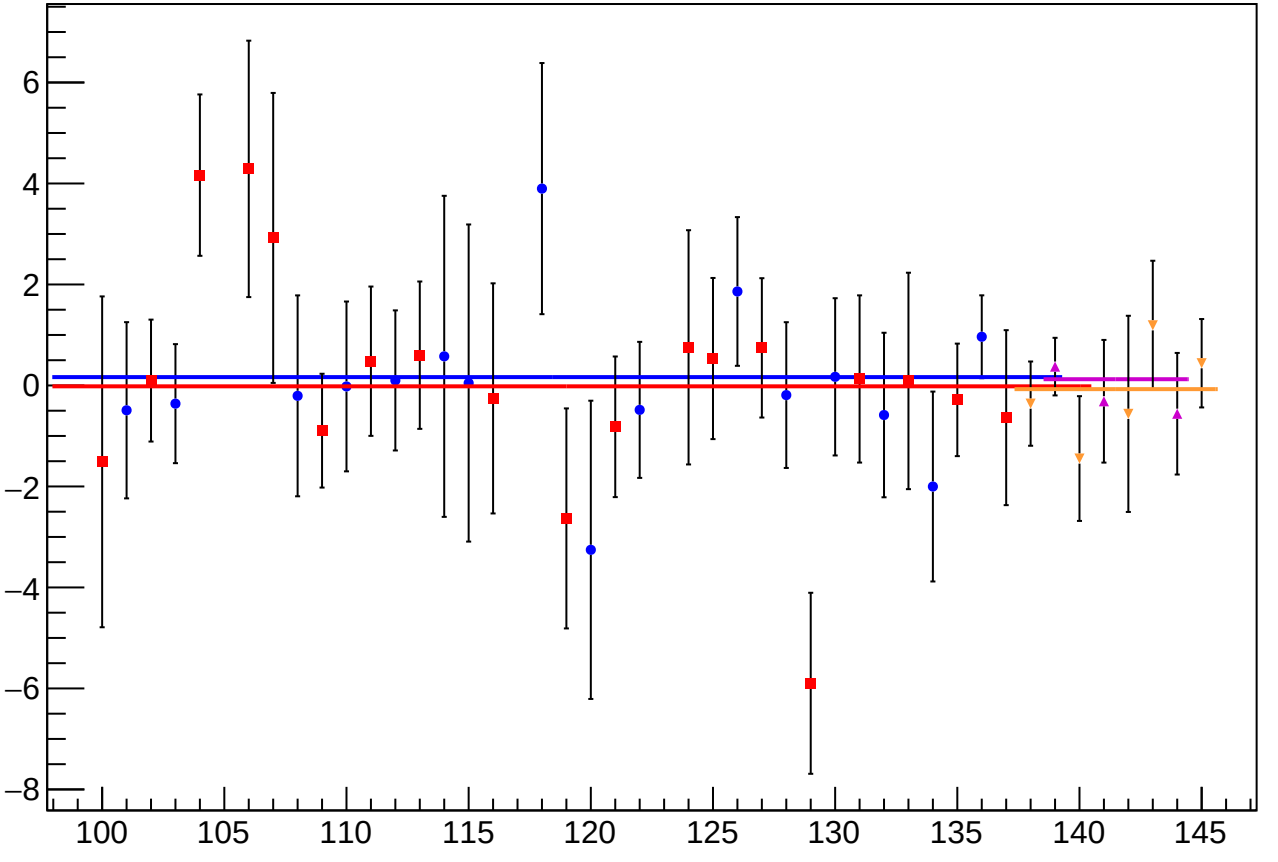
Left In: 8211.682+/-3.613 χ^2/NDF:52433.8/2

+ sign 9542.661+/-2.091 χ^2/NDF: 974838.5/20

All: 9482.894+/-1.502 χ^2/NDF: 1995477.2/42

- sign 9419.200+/-2.159 χ^2/NDF: 1018951.0/21

diff_bpmtargetdiffY_mean vs Slug



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

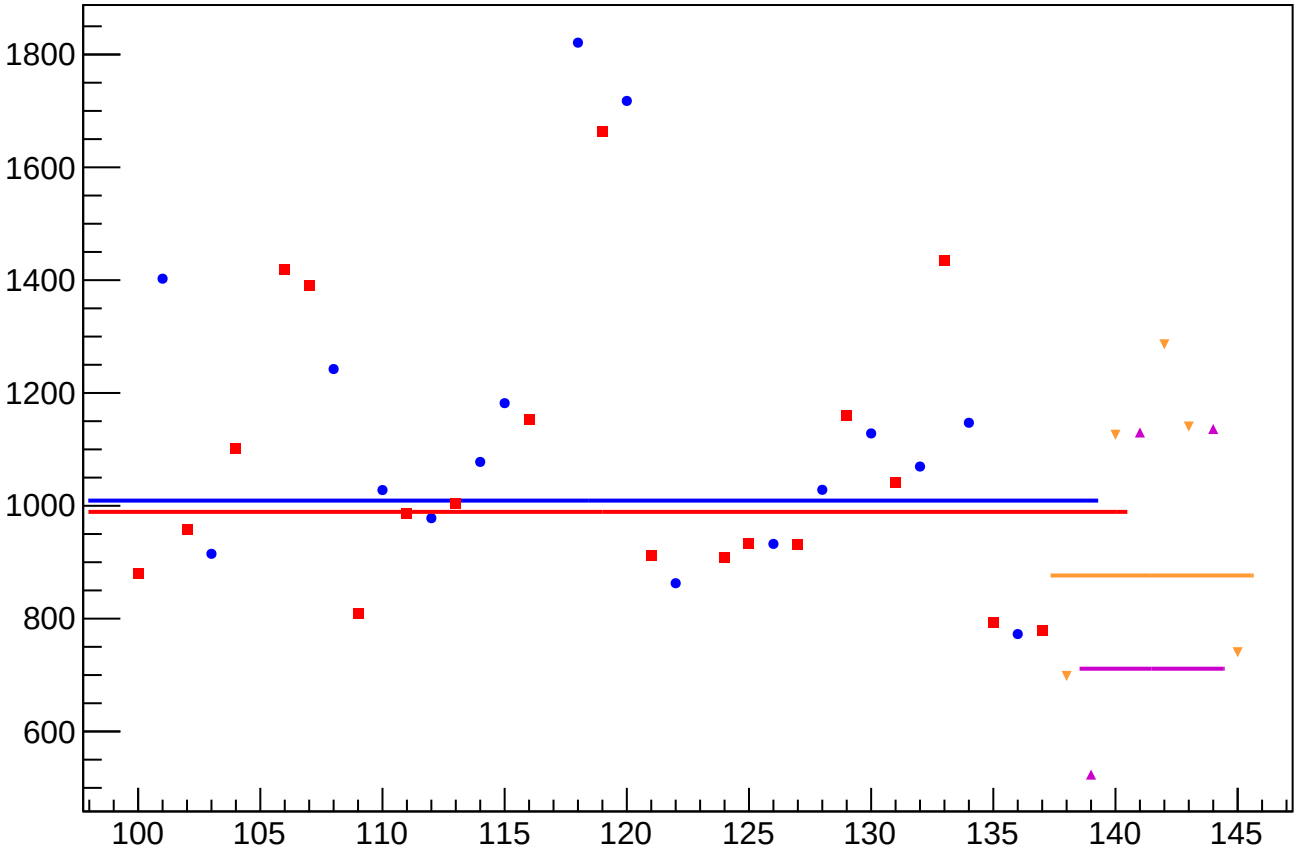
Left In: 0.124+/-0.474 χ^2/NDF:0.6/2

+ sign 0.073+/-0.302 χ^2/NDF: 11.0/20

All: 0.054+/-0.210 χ^2/NDF: 36.9/42

- sign 0.037+/-0.293 χ^2/NDF: 25.9/21

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

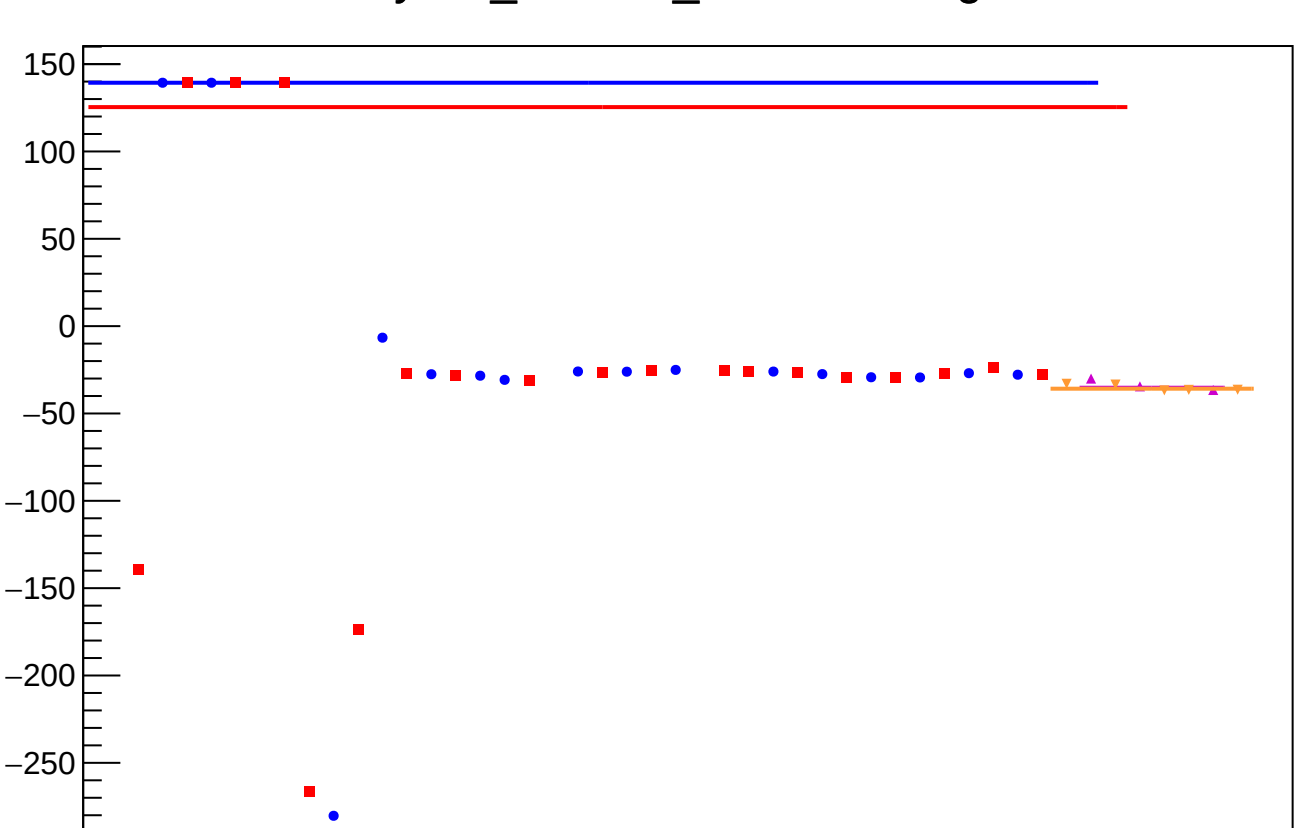
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 711.228+/-0.335 χ^2/NDF:703366.8/2

+ sign 957.535+/-0.213 χ^2/NDF: 1186436.3/20

All: 919.307+/-0.149 χ^2/NDF: 2952906.7/42

- sign 883.325+/-0.207 χ^2/NDF: 1704202.7/21



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

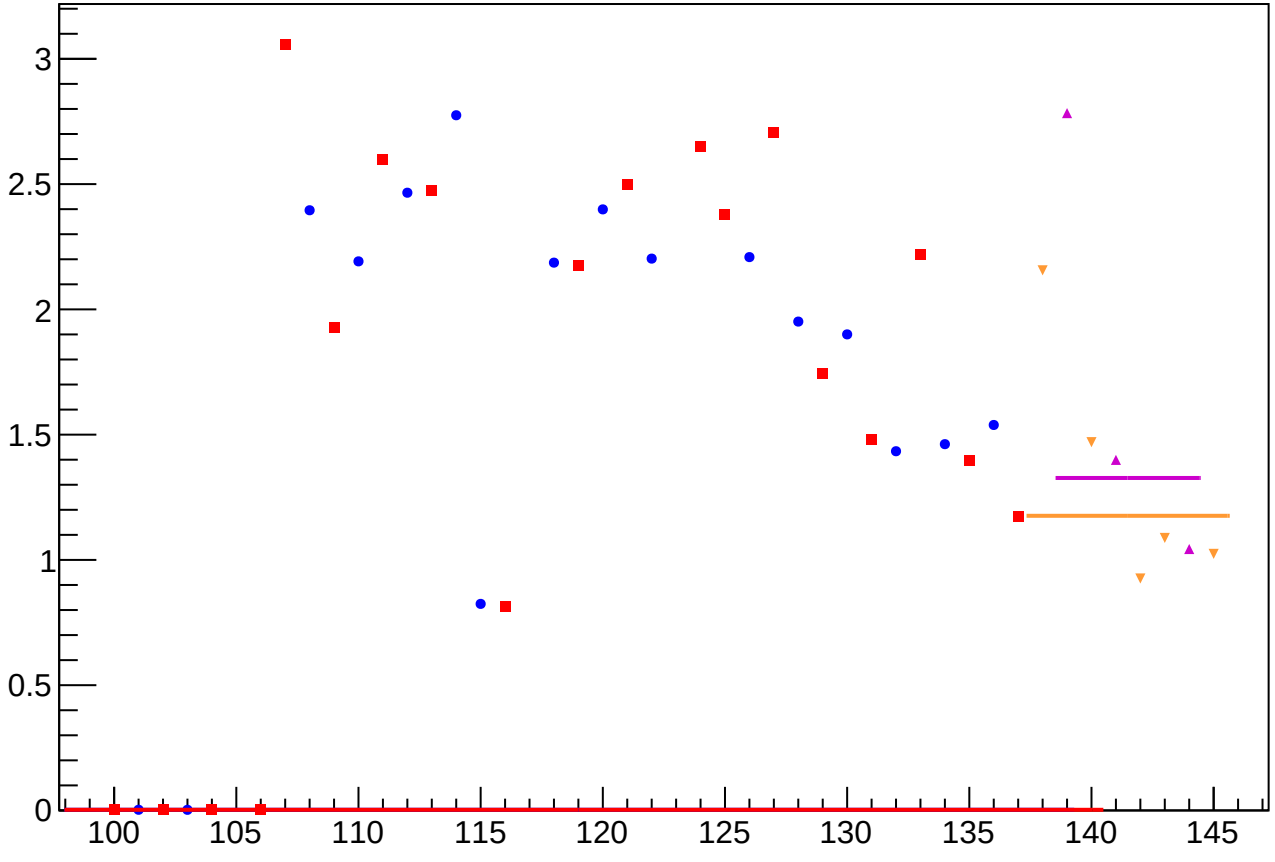
Left In: -35.258+/-0.001 χ^2/NDF:4110095.2/2

+ sign 139.335+/-0.000 χ^2/NDF: 102478633988.2/2

All: 131.817+/-0.000 χ^2/NDF: 79308448966

- sign 125.391+/-0.000 χ^2/NDF: 774199703415977

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

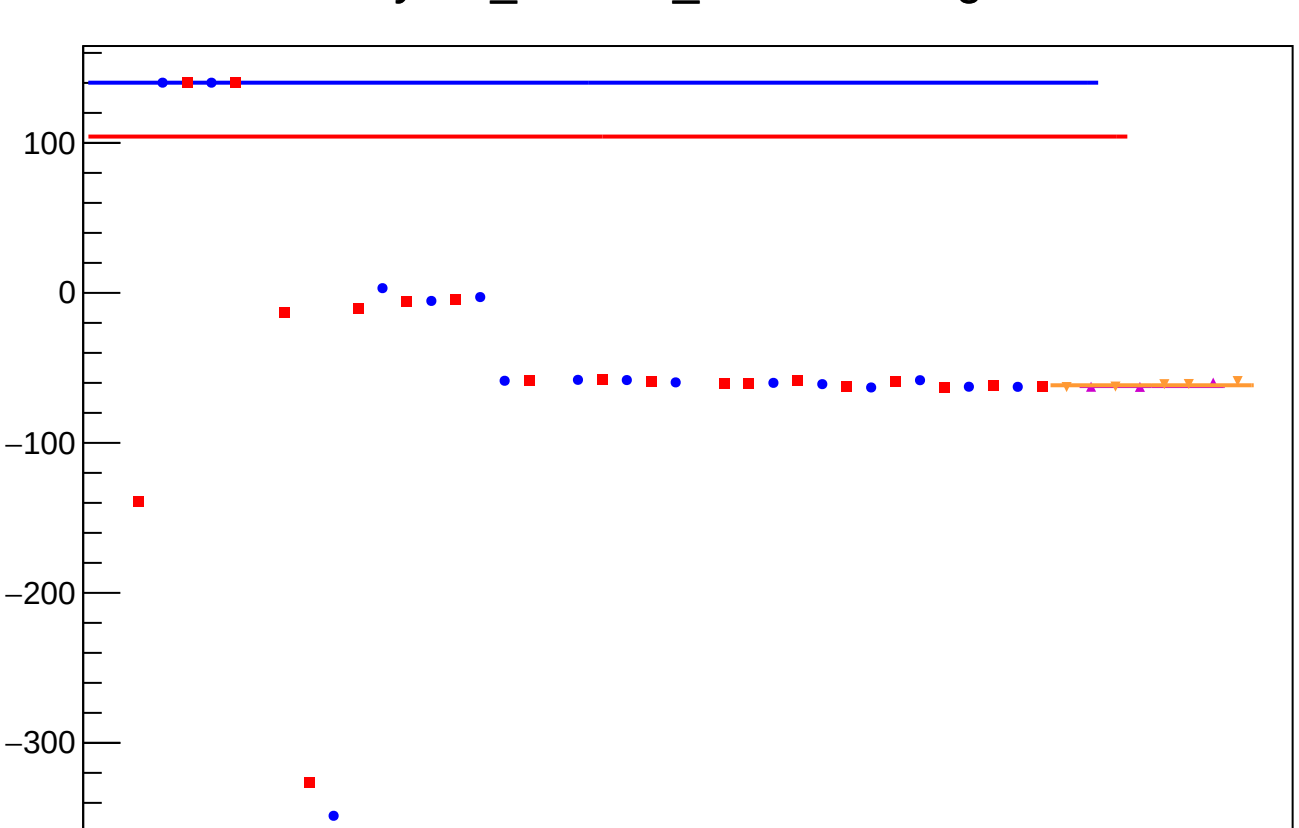
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.327+/-0.001 χ^2/NDF:551943.4/2

+ sign 0.003+/-0.000 χ^2/NDF: 14930582.4/20

All: 0.003+/-0.000 χ^2/NDF: 28829725.5/42

- sign 0.003+/-0.000 χ^2/NDF: 13898890.9/21



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

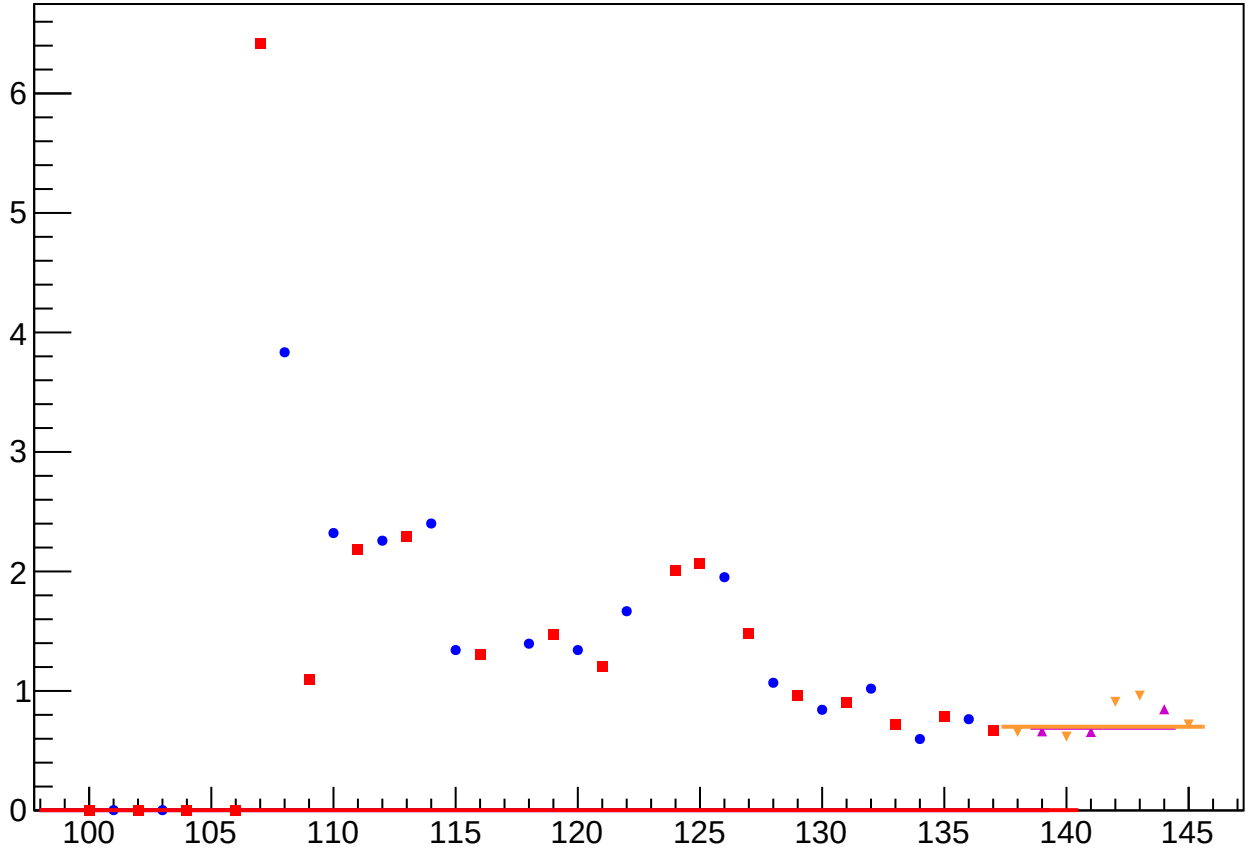
Left In: -62.117+/-0.000 χ^2/NDF:5197605.5/2

+ sign 140.137+/-0.000 χ^2/NDF: 428333466336.1/2

All: 120.827+/-0.000 χ^2/NDF: 13812480811

- sign 104.221+/-0.000 χ^2/NDF: 125753035914021

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

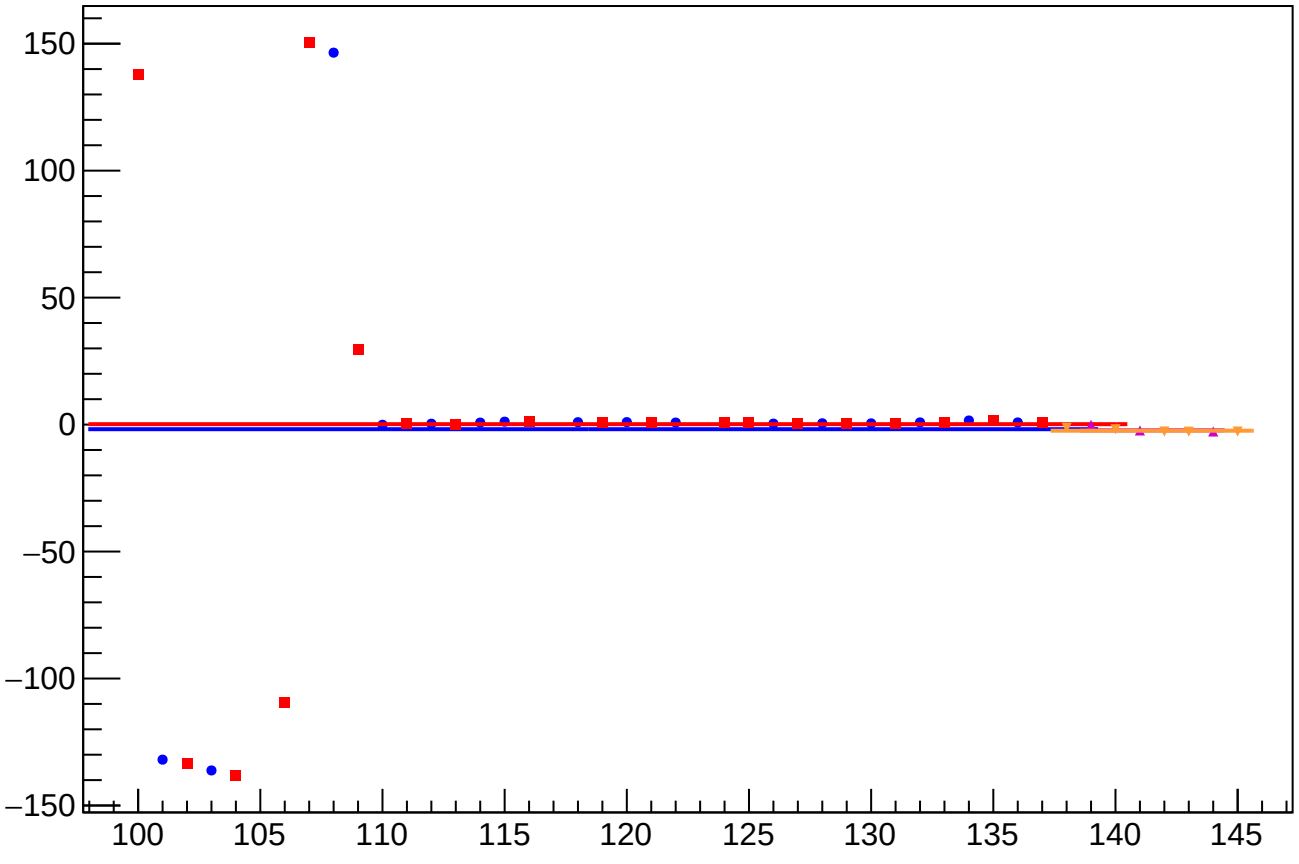
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.692+/-0.000 χ^2/NDF:46846.1/2

+ sign 0.003+/-0.000 χ^2/NDF: 16489128.1/20

All: 0.003+/-0.000 χ^2/NDF: 31213855.1/42

- sign 0.003+/-0.000 χ^2/NDF: 14724411.3/21



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

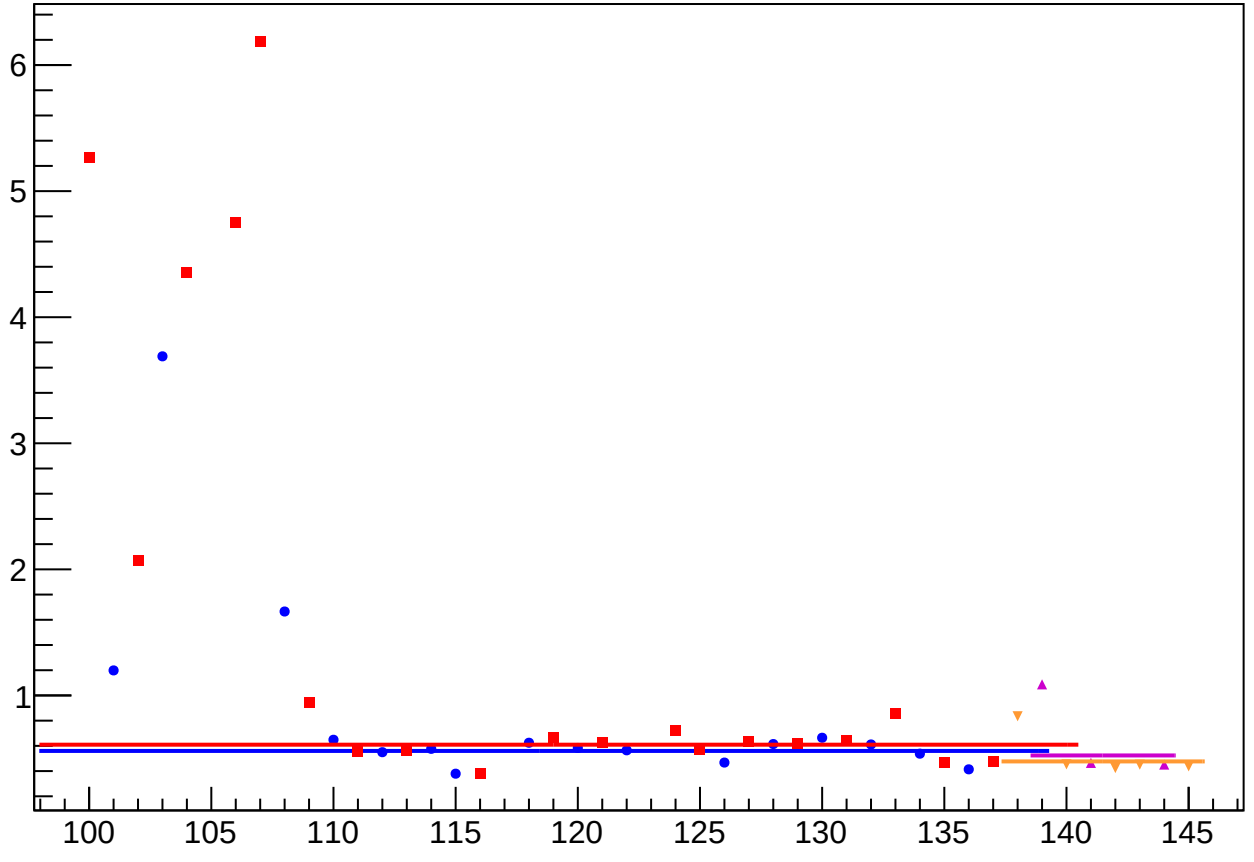
Left In: -2.265+/-0.000 χ^2/NDF:4000587.9/2

+ sign -2.058+/-0.000 χ^2/NDF: 9892512270.7/20

All: -1.461+/-0.000 χ^2/NDF: 13557235679.3/

- sign -0.650+/-0.000 χ^2/NDF: 3641750589.5/21

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

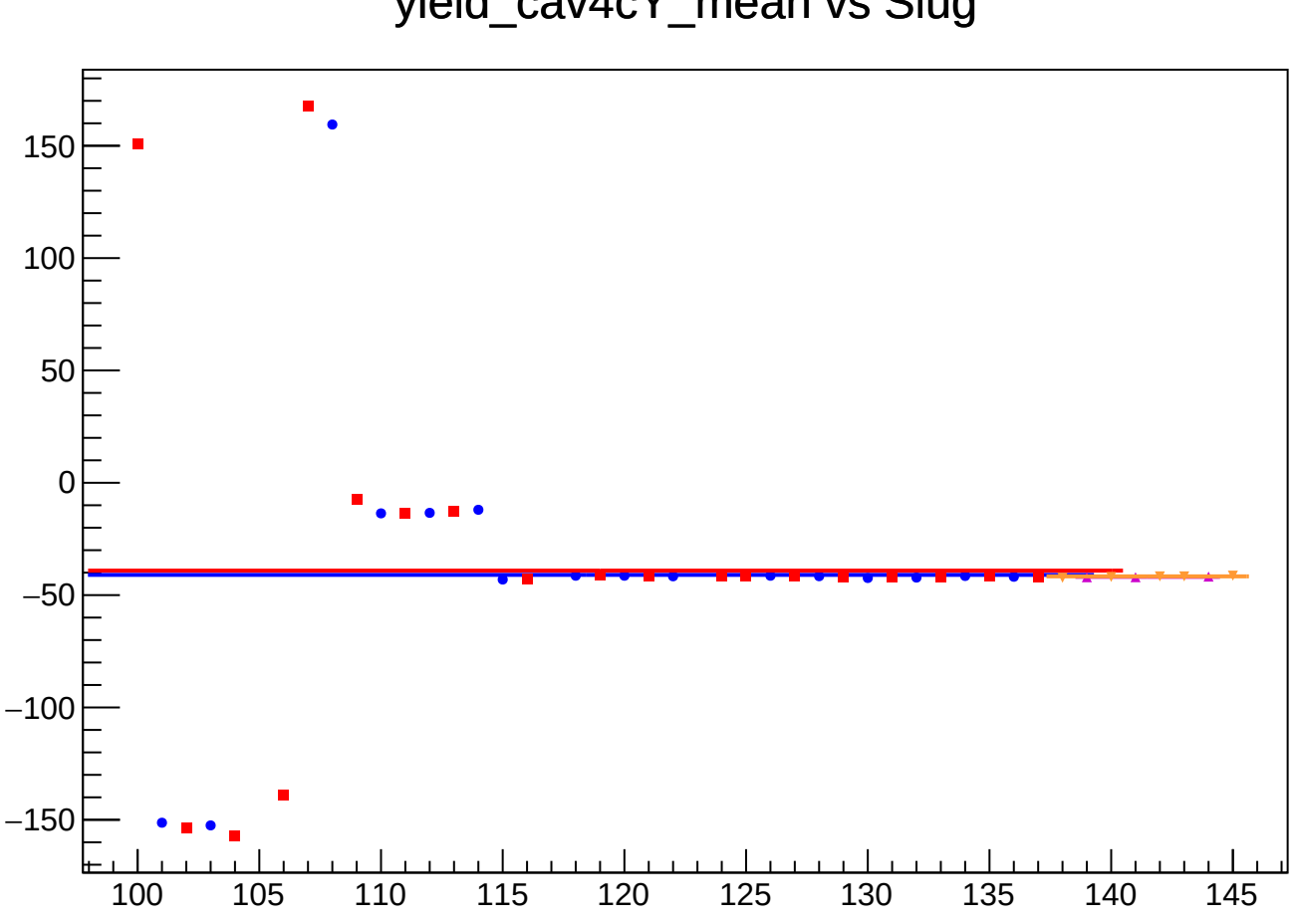
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.524+/-0.000 χ^2/NDF:505161.9/2

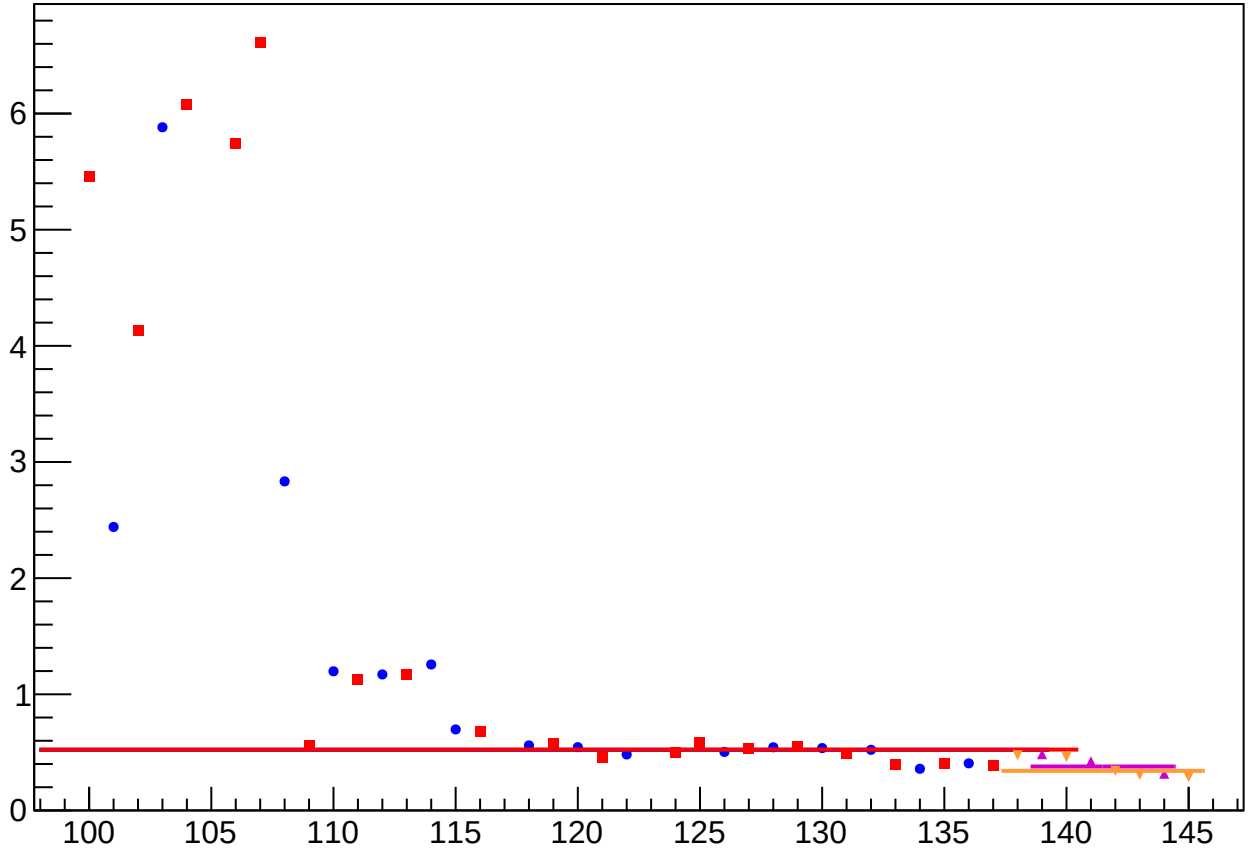
+ sign 0.526+/-0.000 χ^2/NDF: 1960457.8/20

All: 0.549+/-0.000 χ^2/NDF: 5077019.4/42

- sign 0.581+/-0.000 χ^2/NDF: 3046564.0/21


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
105
110
115
120
125
130
135
140
145
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: -41.867+/-0.000 χ²/NDF:306284.5/2
+ sign -41.386+/-0.000 χ²/NDF: 3456773622.5/20
All: -40.972+/-0.000 χ²/NDF: 6020655069.5/
- sign -40.406+/-0.000 χ²/NDF: 2545070516.8/21

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

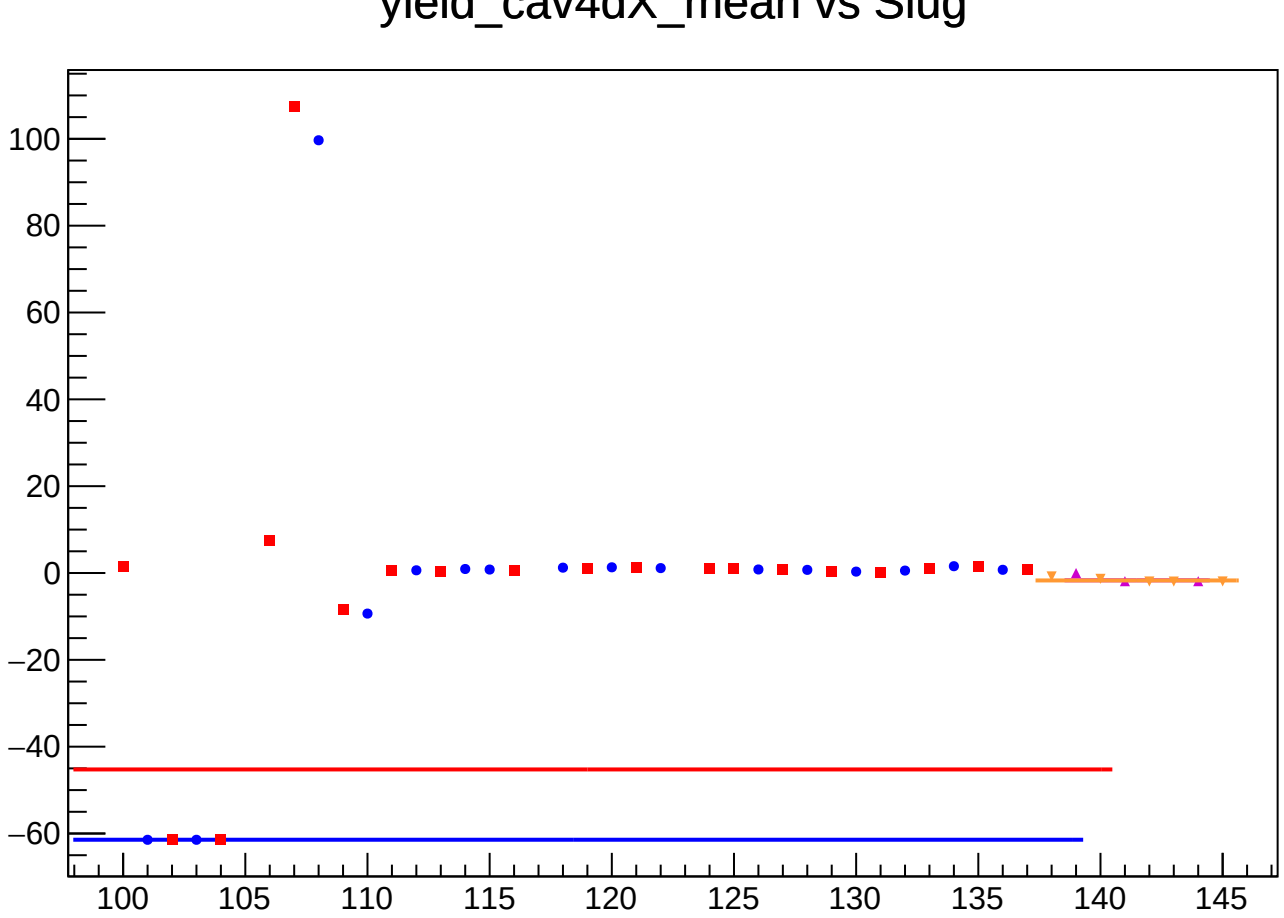
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.378+/-0.000 χ^2/NDF:155037.7/2

+ sign 0.413+/-0.000 χ^2/NDF: 3958480.1/20

All: 0.431+/-0.000 χ^2/NDF: 7807135.8/42

- sign 0.455+/-0.000 χ^2/NDF: 3778610.4/21



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

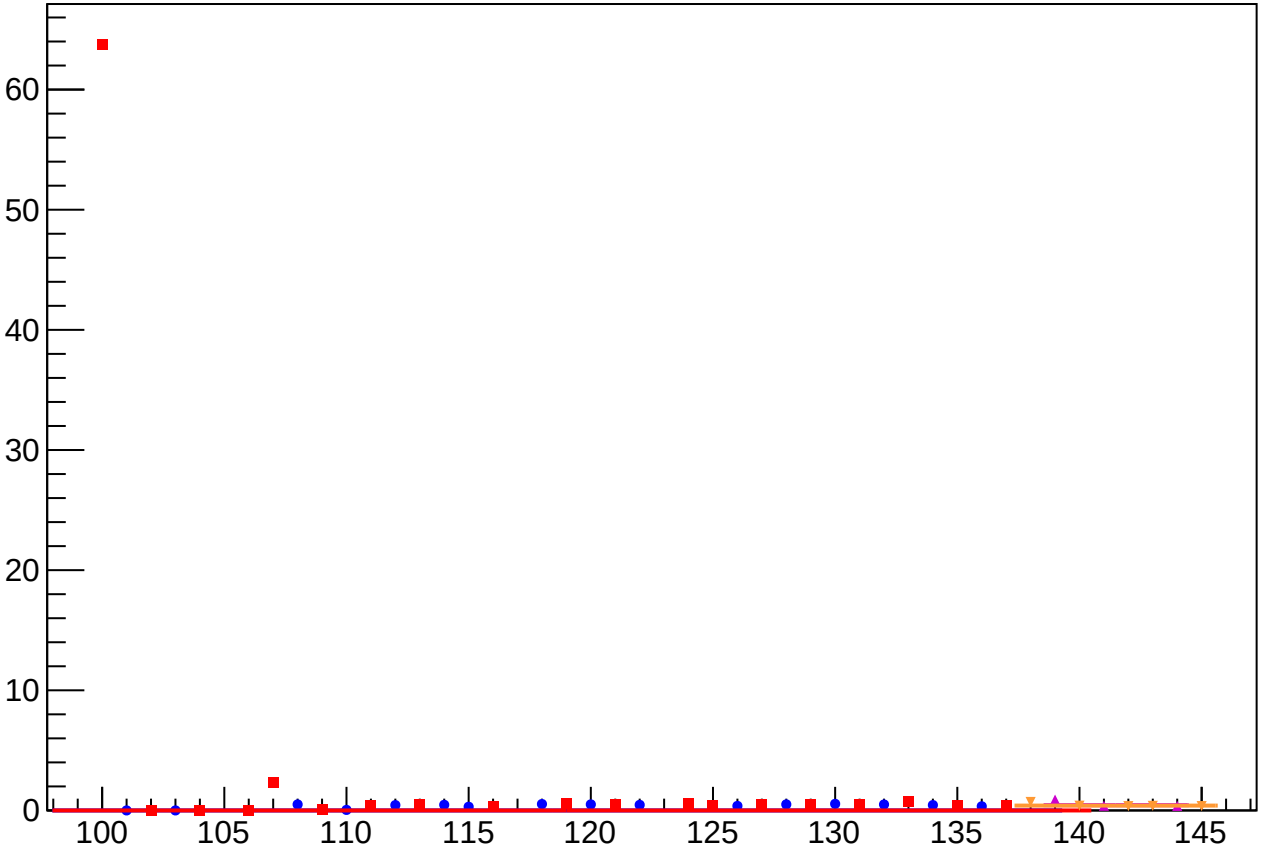
Left In: -1.683+/-0.000 χ^2/NDF:3235001.3/2

+ sign -61.433+/-0.000 χ^2/NDF: 329248334385.0/2

All: -52.747+/-0.000 χ^2/NDF: 409187816037

- sign -45.244+/-0.000 χ^2/NDF: 357888655566740.

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

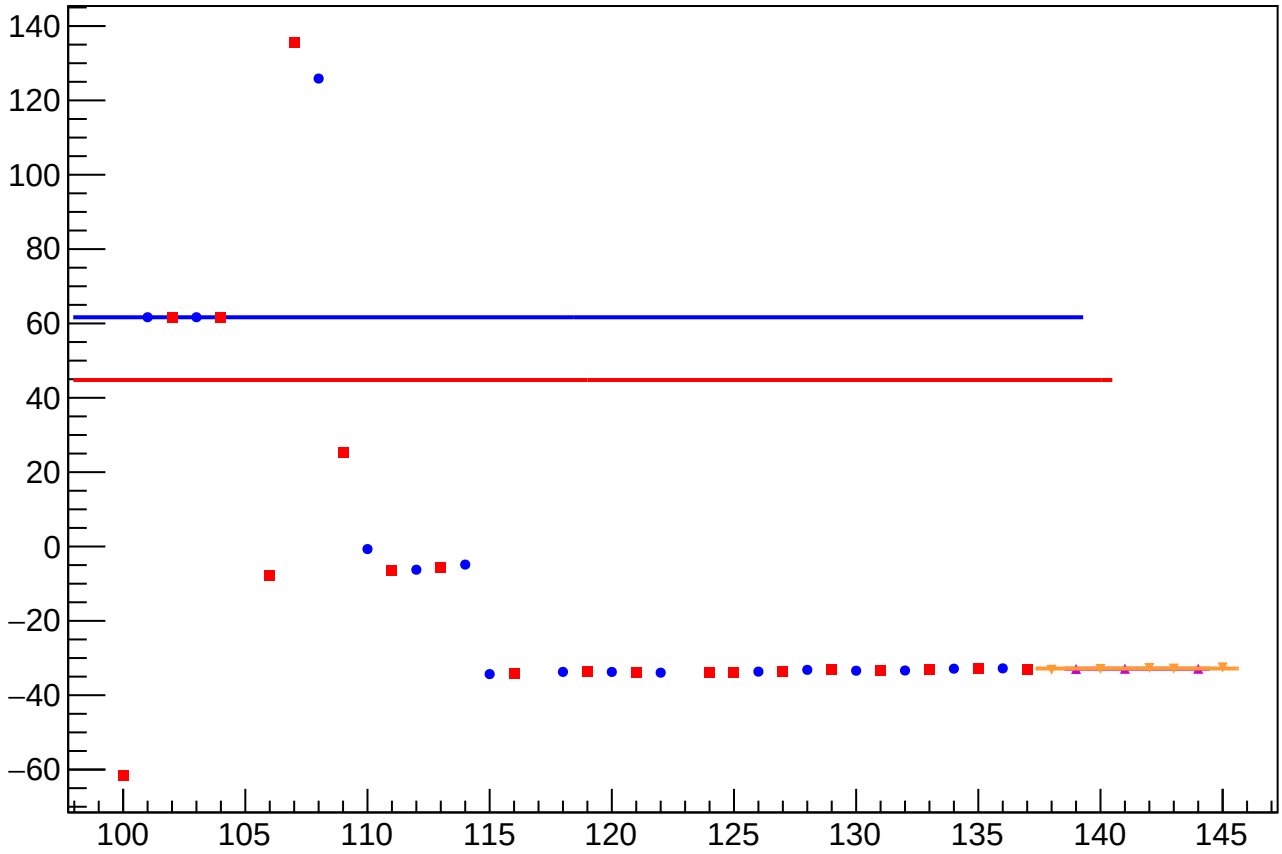
Left In: 0.439+/-0.000 χ^2/NDF:497702.4/2

+ sign 0.001+/-0.000 χ^2/NDF: 14525157.6/20

All: 0.001+/-0.000 χ^2/NDF: 28072433.4/42

- sign 0.001+/-0.000 χ^2/NDF: 13547239.1/21

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

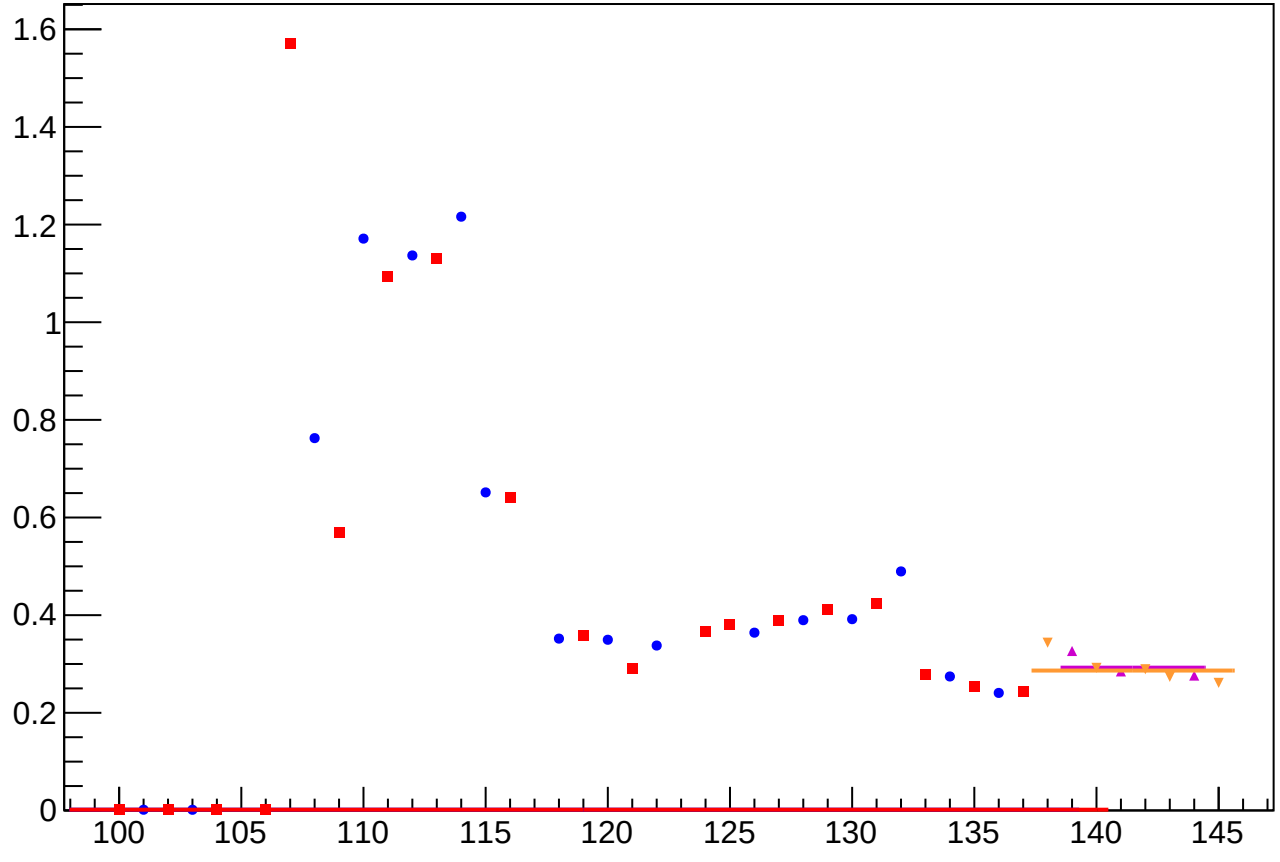
Left In: -32.882+/-0.000 χ^2/NDF:15280.9/2

+ sign 61.650+/-0.000 χ^2/NDF: 747857295996.0/20

All: 52.680+/-0.000 χ^2/NDF: 418092273361

- sign 44.780+/-0.000 χ^2/NDF: 366271290242072.1

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

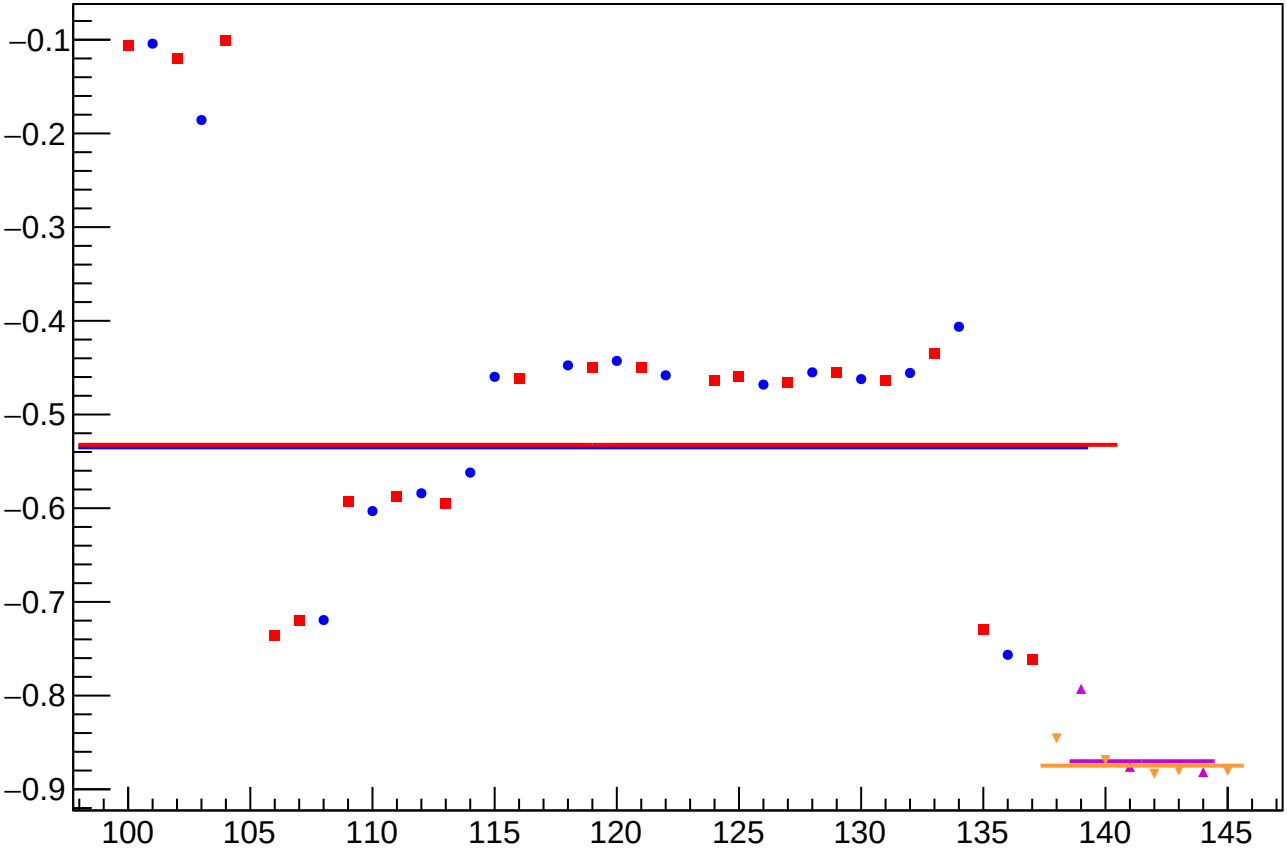
Left In: 0.292+/-0.000 χ^2/NDF:24958.3/2

+ sign 0.002+/-0.000 χ^2/NDF: 17972609.0/20

All: 0.002+/-0.000 χ^2/NDF: 33509481.8/42

- sign 0.002+/-0.000 χ^2/NDF: 15536862.7/21

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

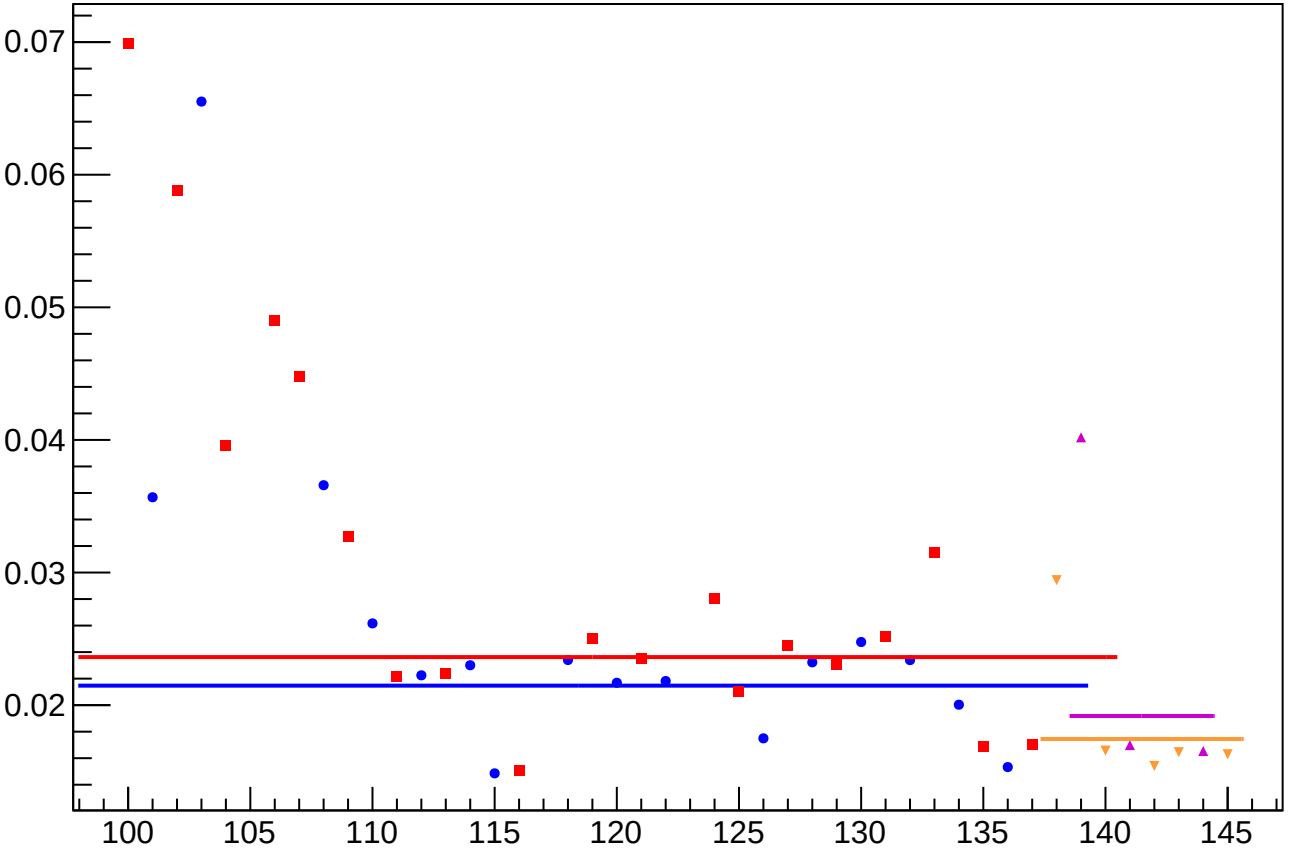
Left In: -0.870+/-0.000 χ^2/NDF:3502127.5/2

+ sign -0.677+/-0.000 χ^2/NDF: 861965609.1/20

All: -0.663+/-0.000 χ^2/NDF: 1469210470.0/4

- sign -0.645+/-0.000 χ^2/NDF: 598724742.7/21

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

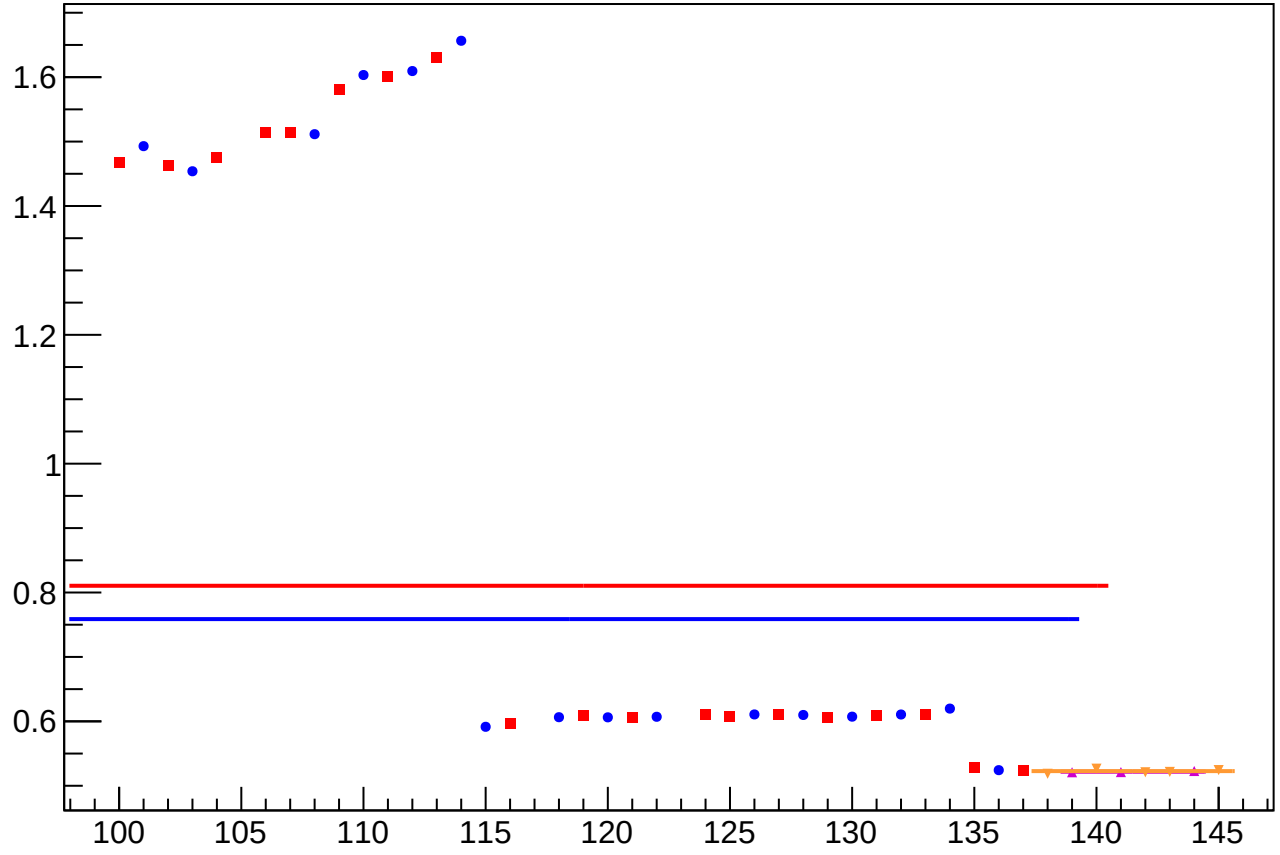
Left In: 0.019+/-0.000 χ^2/NDF:513467.8/2

+ sign 0.020+/-0.000 χ^2/NDF: 1548701.6/20

All: 0.021+/-0.000 χ^2/NDF: 3565643.4/42

- sign 0.022+/-0.000 χ^2/NDF: 1922554.8/21

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

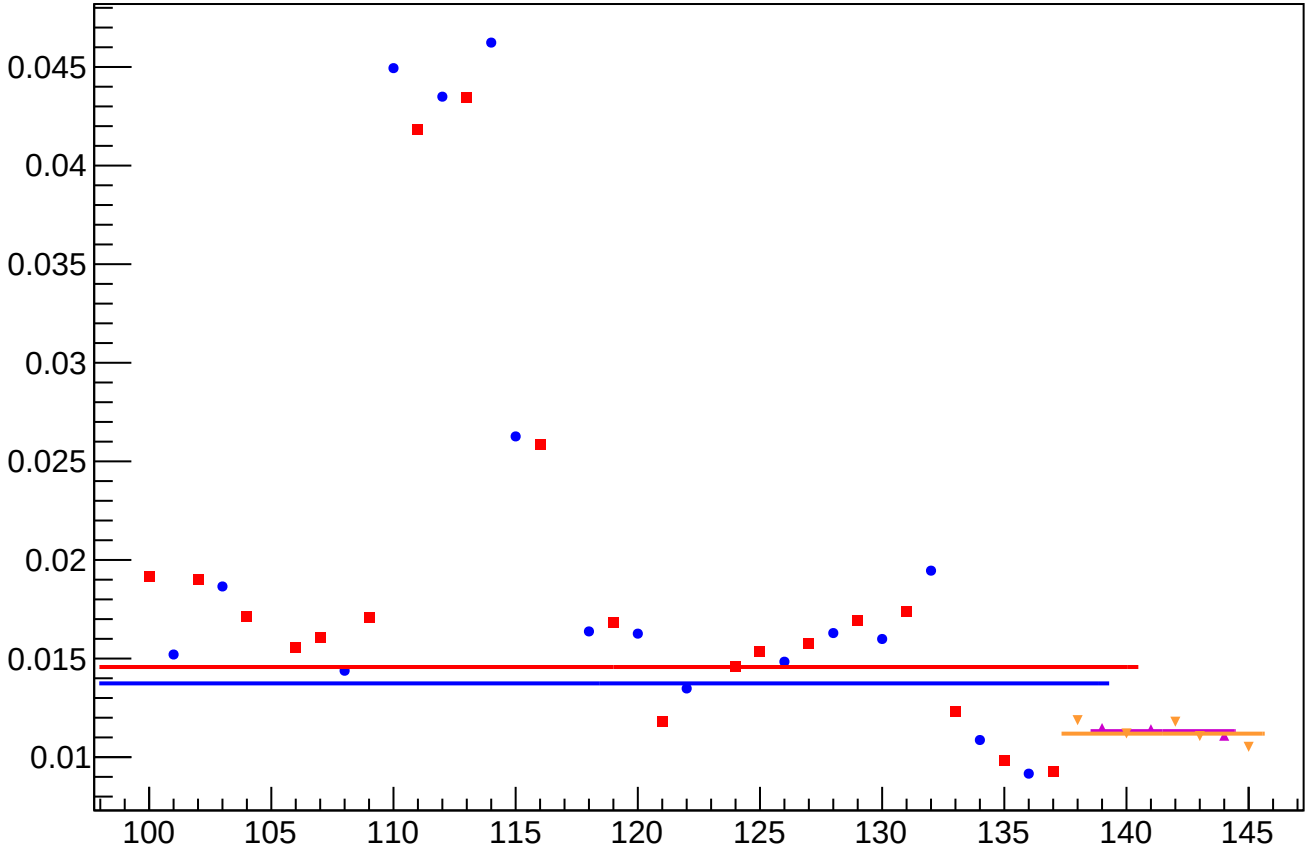
Left In: 0.522+/-0.000 χ^2/NDF:14951.0/2

+ sign 0.647+/-0.000 χ^2/NDF: 5134118261.5/20

All: 0.668+/-0.000 χ^2/NDF: 10949221608.6/4

- sign 0.694+/-0.000 χ^2/NDF: 5755467490.8/21

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

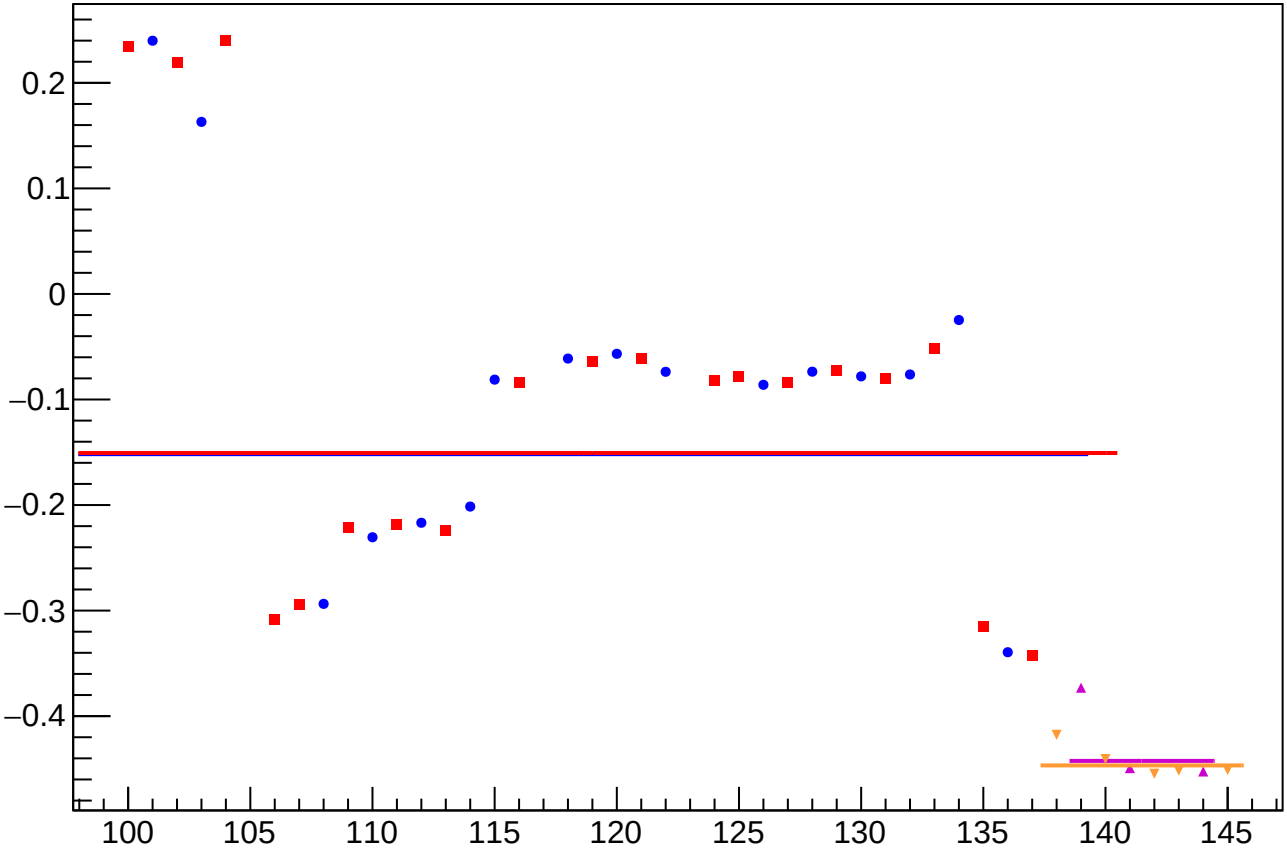
Left In: 0.011+/-0.000 χ^2/NDF:1190.3/2

+ sign 0.013+/-0.000 χ^2/NDF: 1857032.7/20

All: 0.013+/-0.000 χ^2/NDF: 3591966.9/42

- sign 0.013+/-0.000 χ^2/NDF: 1706527.5/21

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

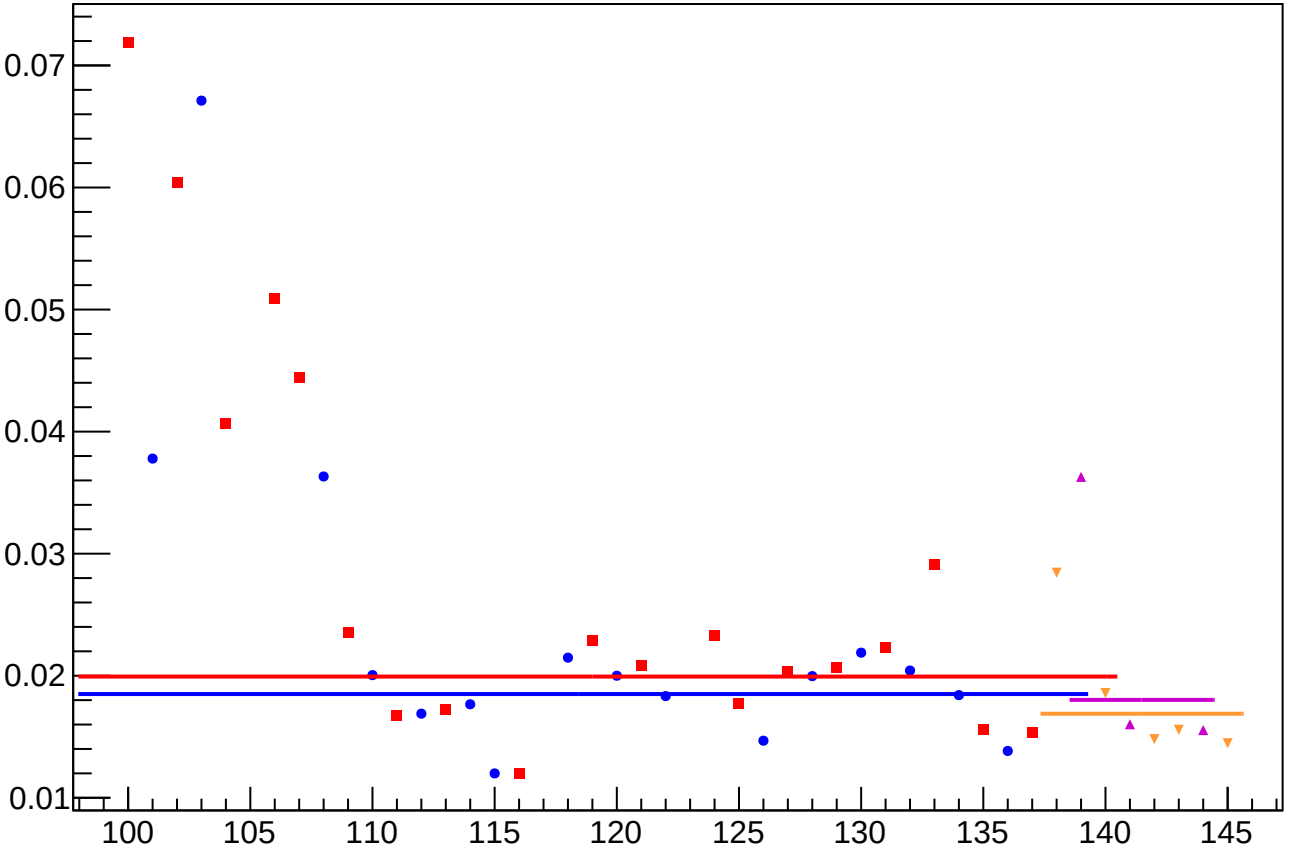
Left In: -0.442+/-0.000 χ^2/NDF:3459071.4/2

+ sign -0.262+/-0.000 χ^2/NDF: 777290344.7/20

All: -0.251+/-0.000 χ^2/NDF: 1334177363.9/4

- sign -0.238+/-0.000 χ^2/NDF: 550593677.0/21

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

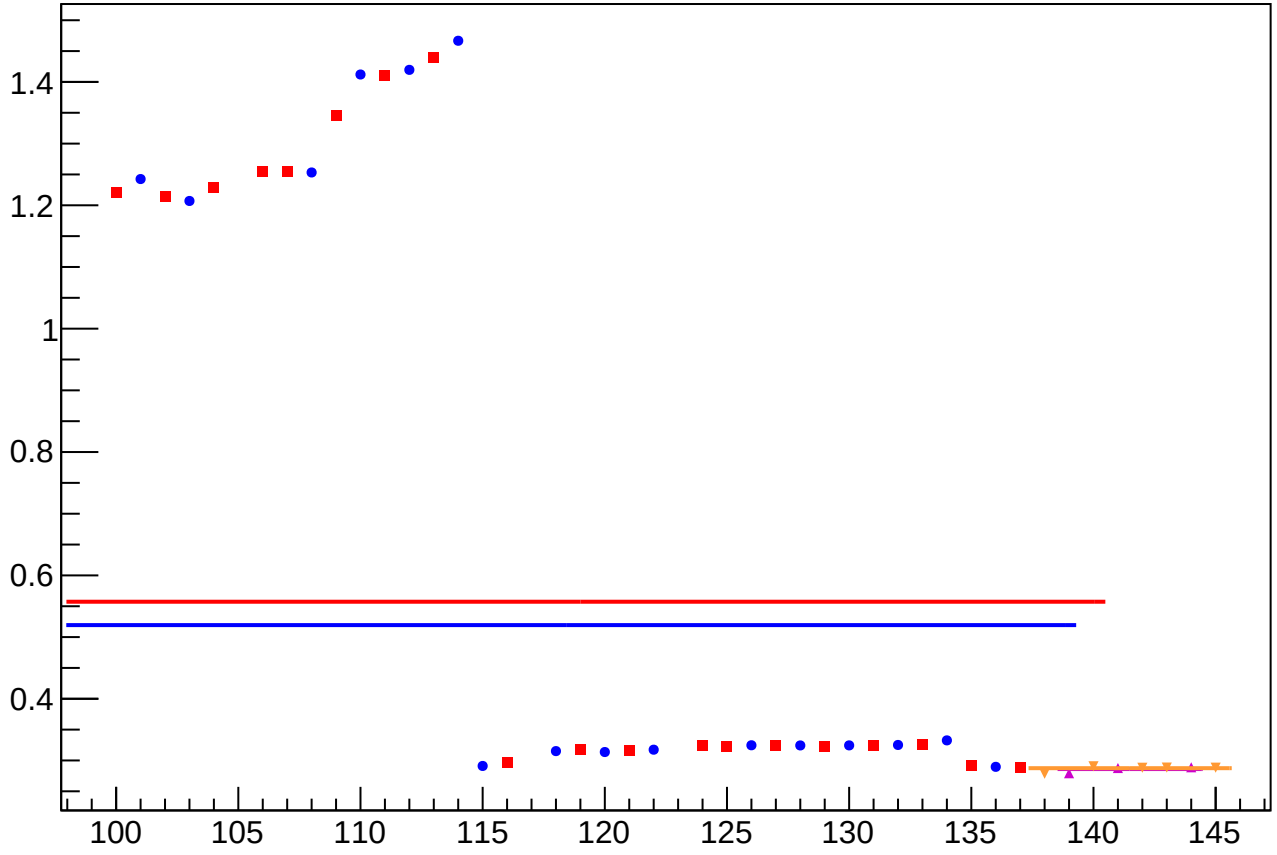
Left In: 0.018+/-0.000 χ^2/NDF:479071.4/2

+ sign 0.018+/-0.000 χ^2/NDF: 1685663.5/20

All: 0.019+/-0.000 χ^2/NDF: 3788836.2/42

- sign 0.019+/-0.000 χ^2/NDF: 2056495.8/21

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

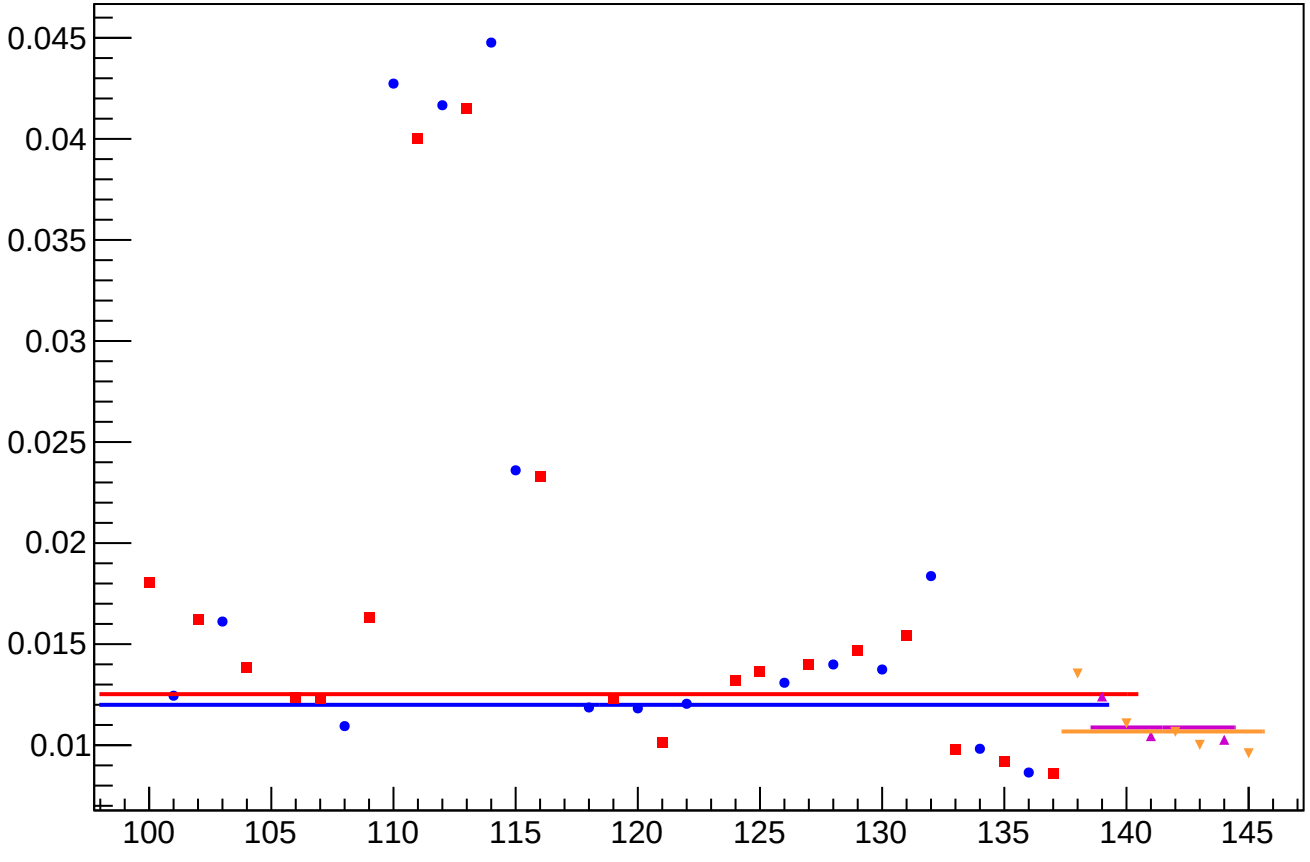
Left In: 0.286+/-0.000 χ^2/NDF:332026.4/2

+ sign 0.421+/-0.000 χ^2/NDF: 7262154299.4/20

All: 0.440+/-0.000 χ^2/NDF: 15069039658.6/4

- sign 0.462+/-0.000 χ^2/NDF: 7751678611.7/21

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

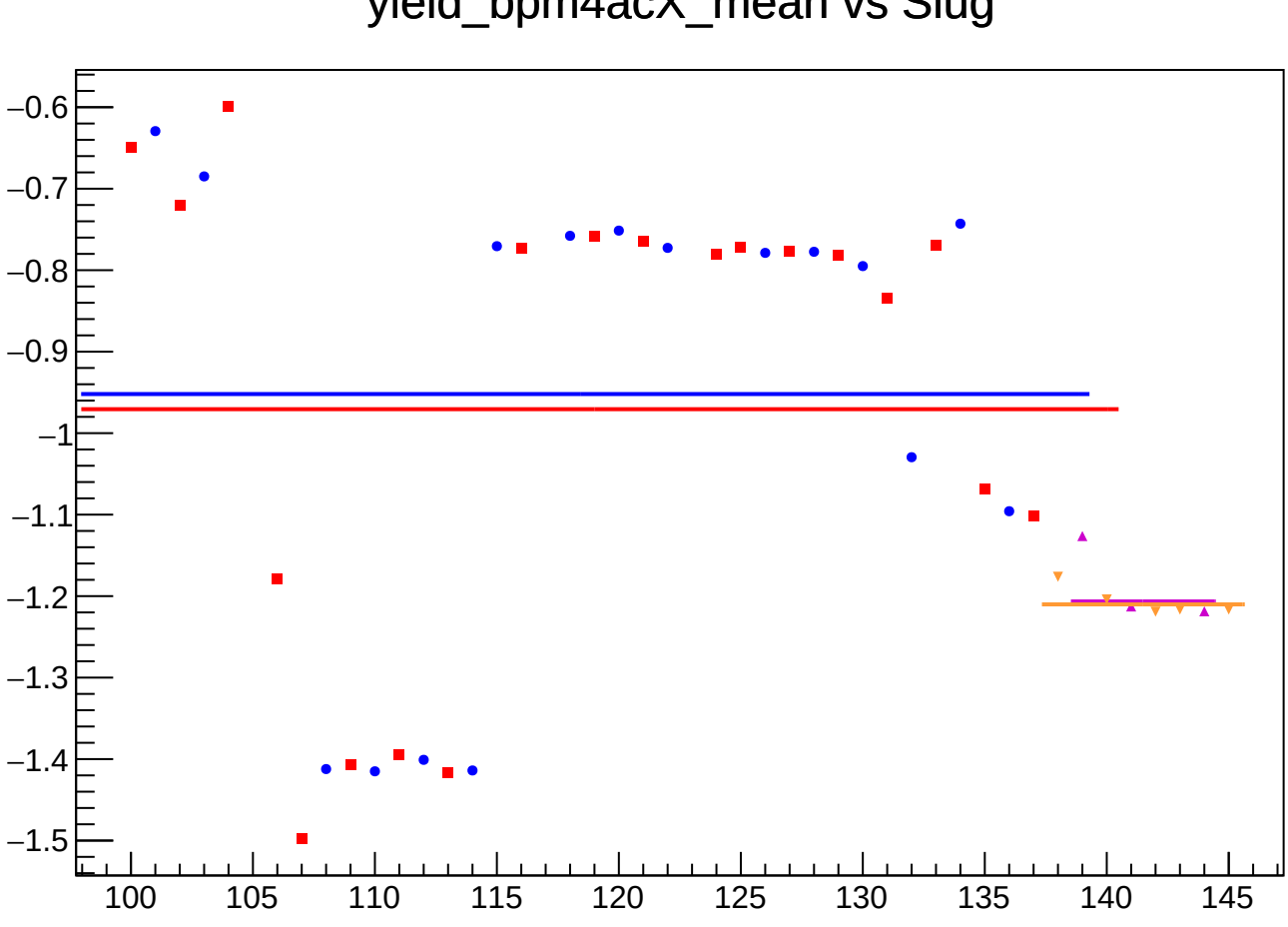
Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:33776.0/2

+ sign 0.011+/-0.000 χ^2/NDF: 1647799.4/20

All: 0.012+/-0.000 χ^2/NDF: 3206971.1/42

- sign 0.012+/-0.000 χ^2/NDF: 1542206.1/21



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

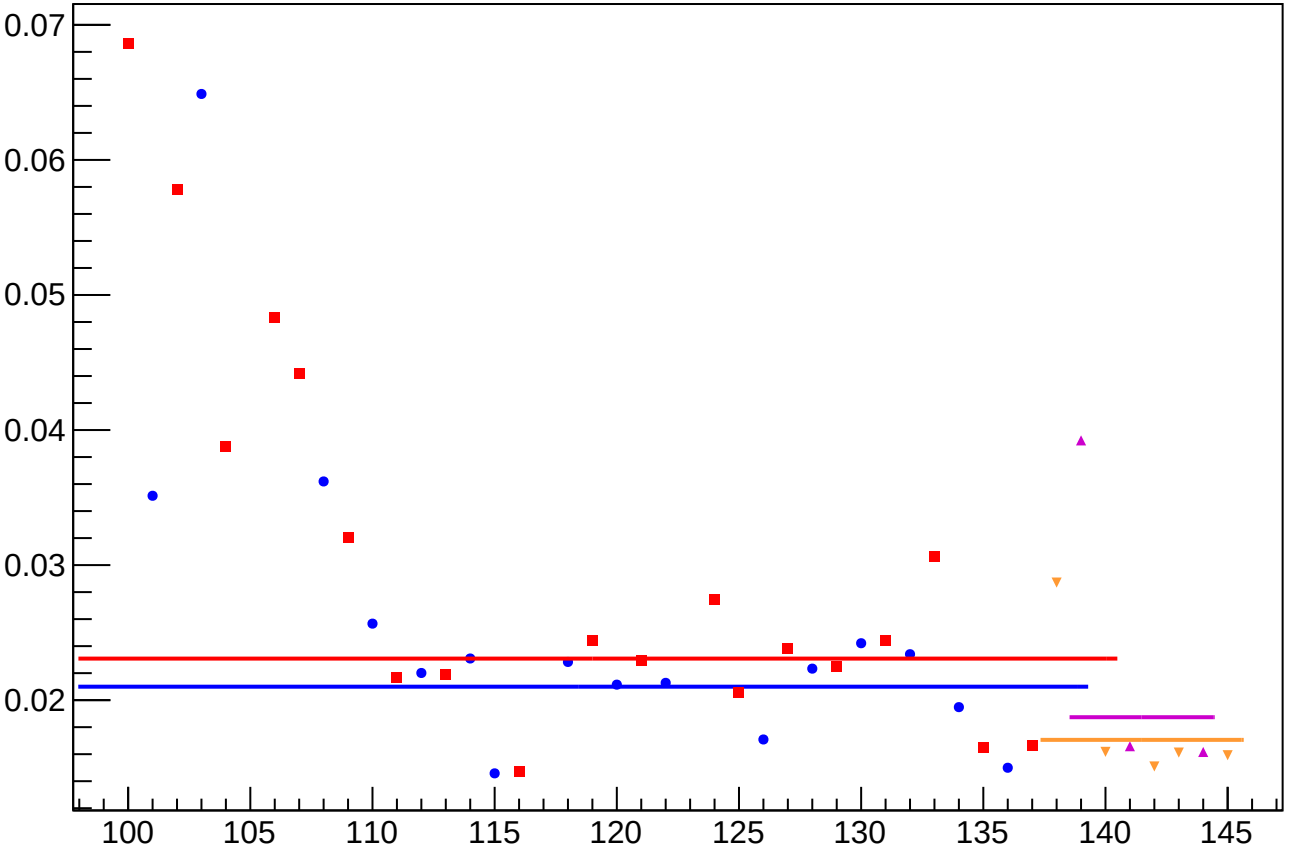
Left In: -1.207+/-0.000 χ^2/NDF:3971319.3/2

+ sign -1.060+/-0.000 χ^2/NDF: 1038945229.6/20

All: -1.056+/-0.000 χ^2/NDF: 1953206310.9/4

- sign -1.050+/-0.000 χ^2/NDF: 913321247.1/21

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

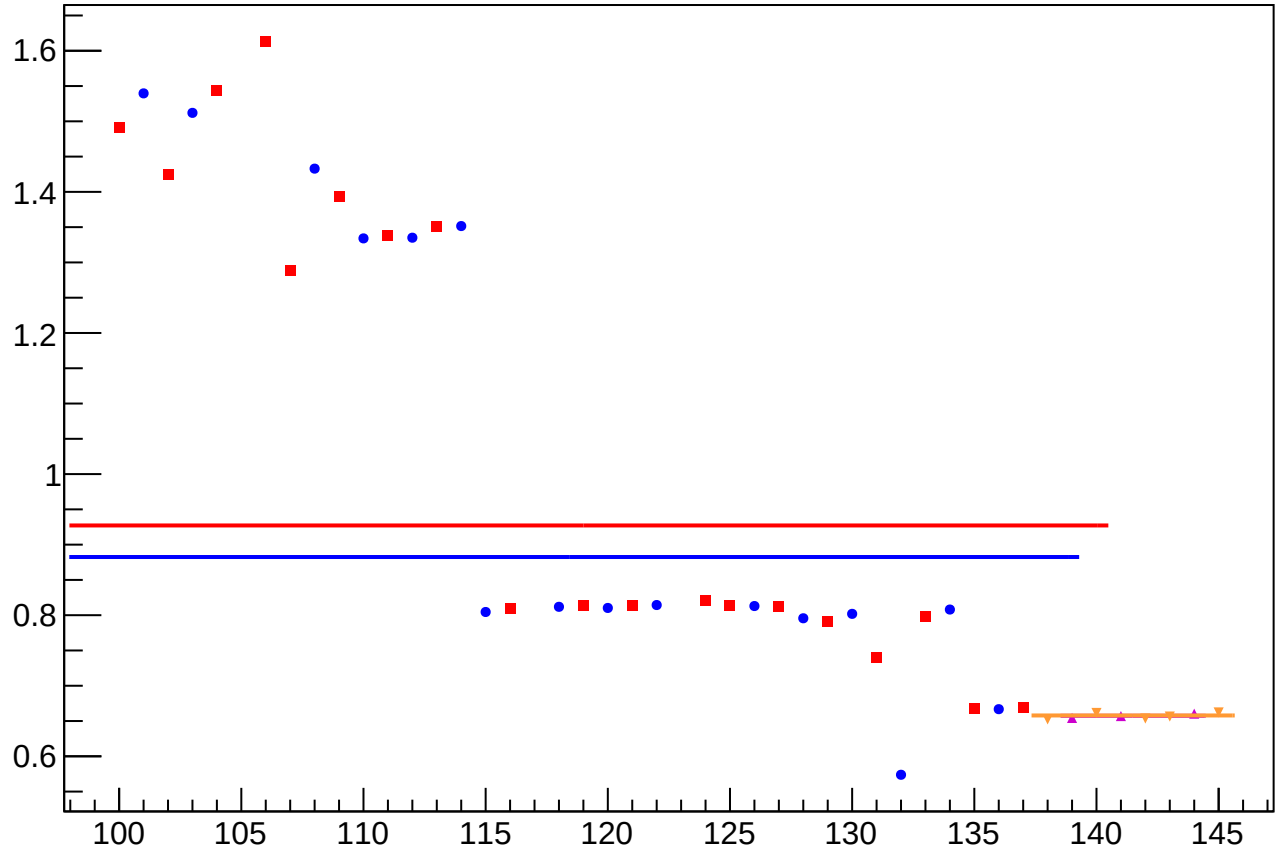
Left In: 0.019+/-0.000 χ^2/NDF:512782.2/2

+ sign 0.019+/-0.000 χ^2/NDF: 1560670.6/20

All: 0.020+/-0.000 χ^2/NDF: 3579032.5/42

- sign 0.022+/-0.000 χ^2/NDF: 1925942.4/21

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

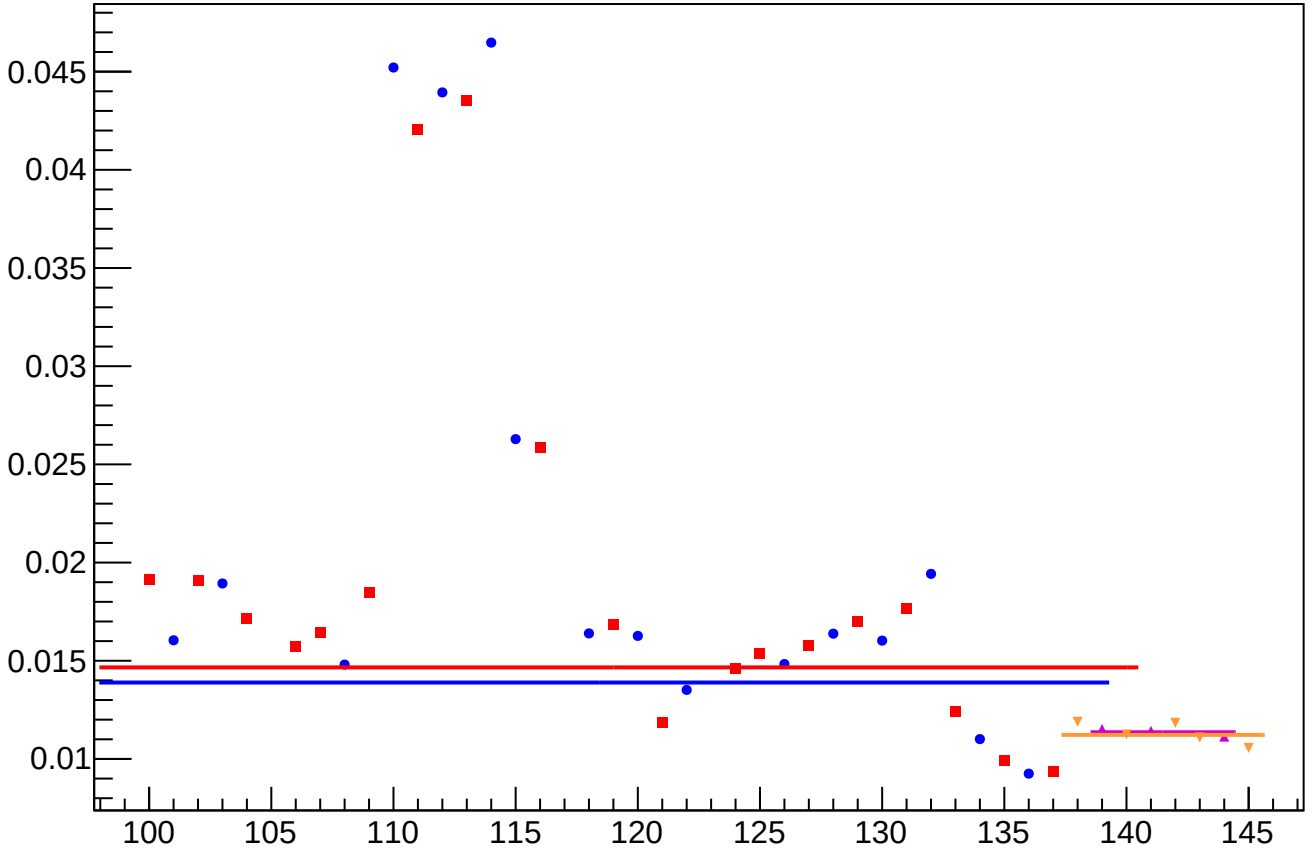
Left In: 0.657+/-0.000 χ^2/NDF:122421.4/2

+ sign 0.775+/-0.000 χ^2/NDF: 3524535141.1/20

All: 0.794+/-0.000 χ^2/NDF: 7187482508.7/42

- sign 0.818+/-0.000 χ^2/NDF: 3614582741.9/21

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

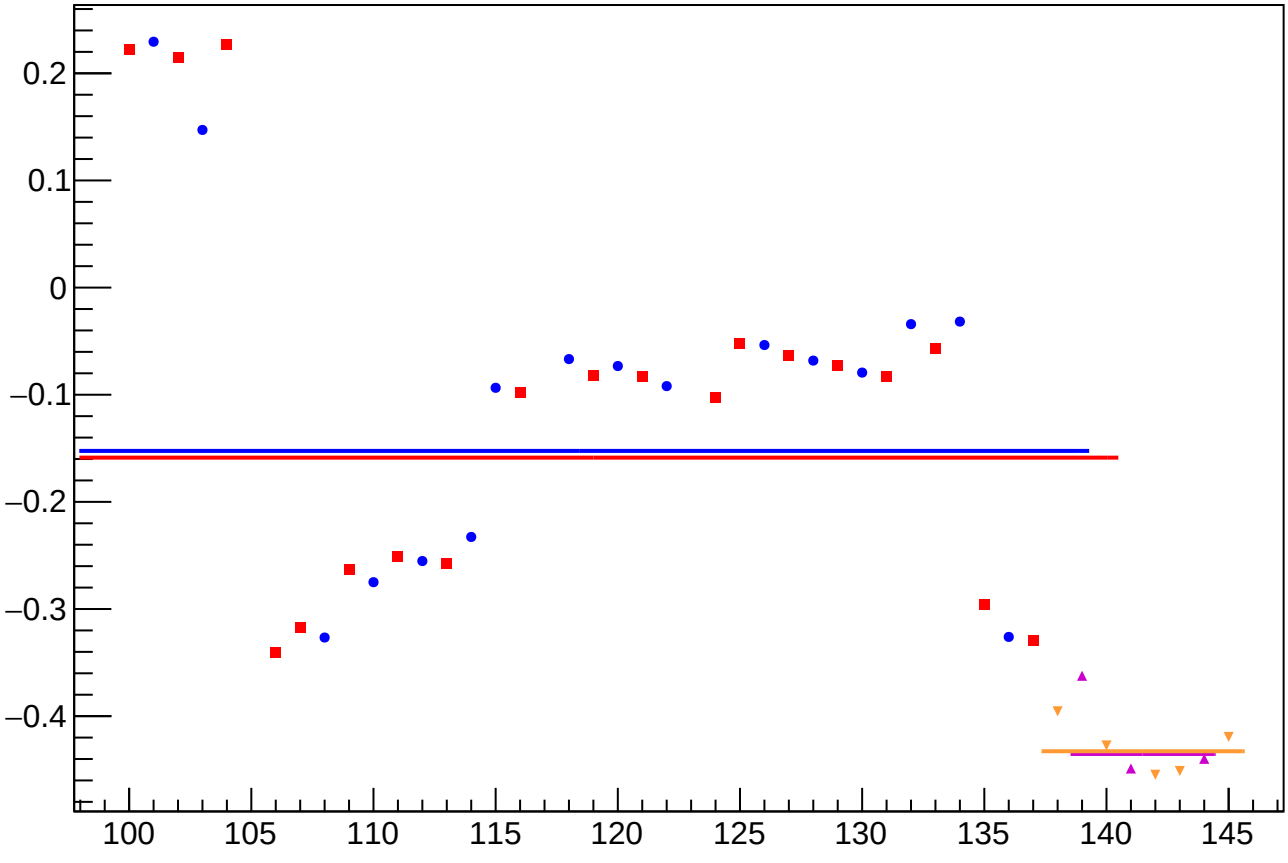
Left In: 0.011+/-0.000 χ^2/NDF:1091.8/2

+ sign 0.013+/-0.000 χ^2/NDF: 1868640.7/20

All: 0.013+/-0.000 χ^2/NDF: 3618725.5/42

- sign 0.013+/-0.000 χ^2/NDF: 1723663.4/21

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

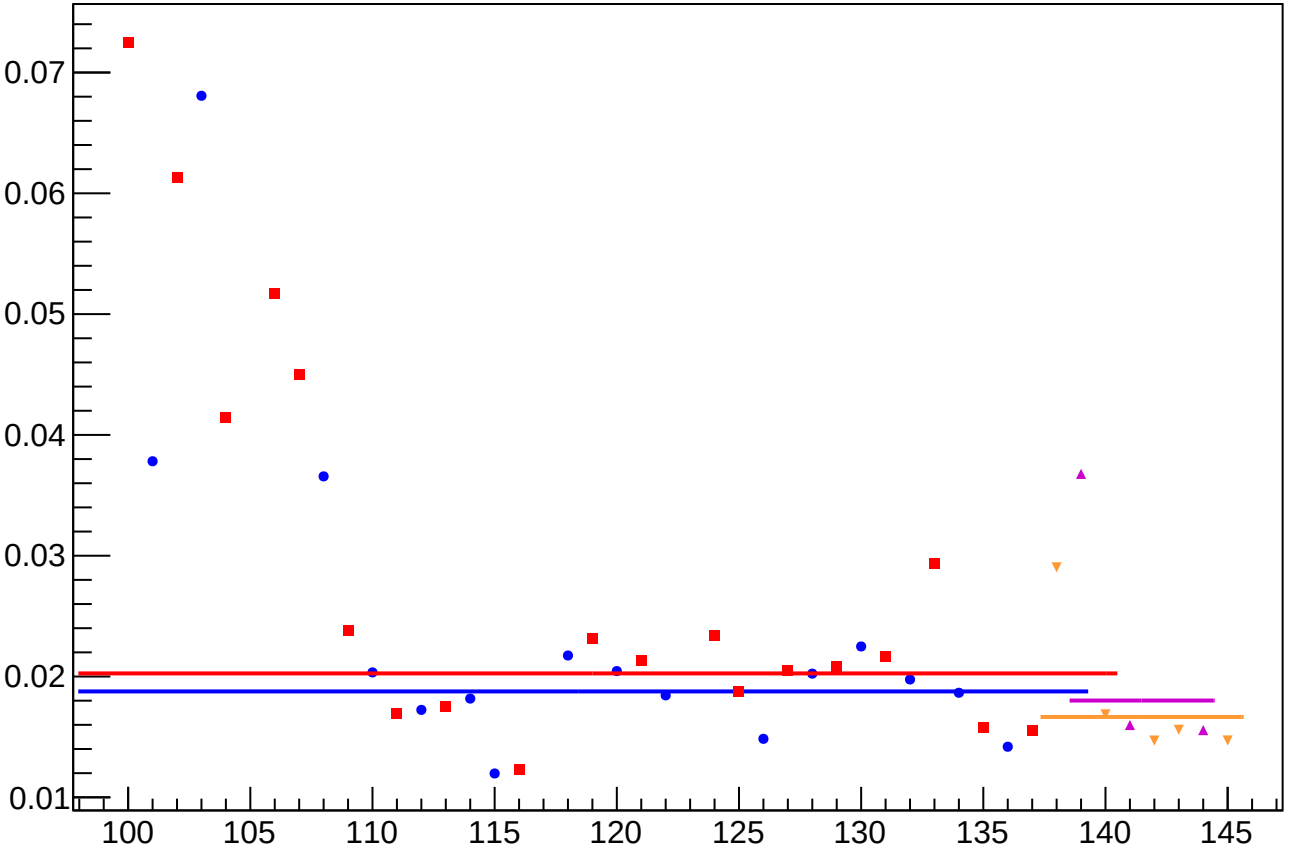
Left In: -0.435+/-0.000 χ^2/NDF:3806540.8/2

+ sign -0.260+/-0.000 χ^2/NDF: 728437085.2/20

All: -0.252+/-0.000 χ^2/NDF: 1239272983.8/4

- sign -0.243+/-0.000 χ^2/NDF: 507758338.5/21

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

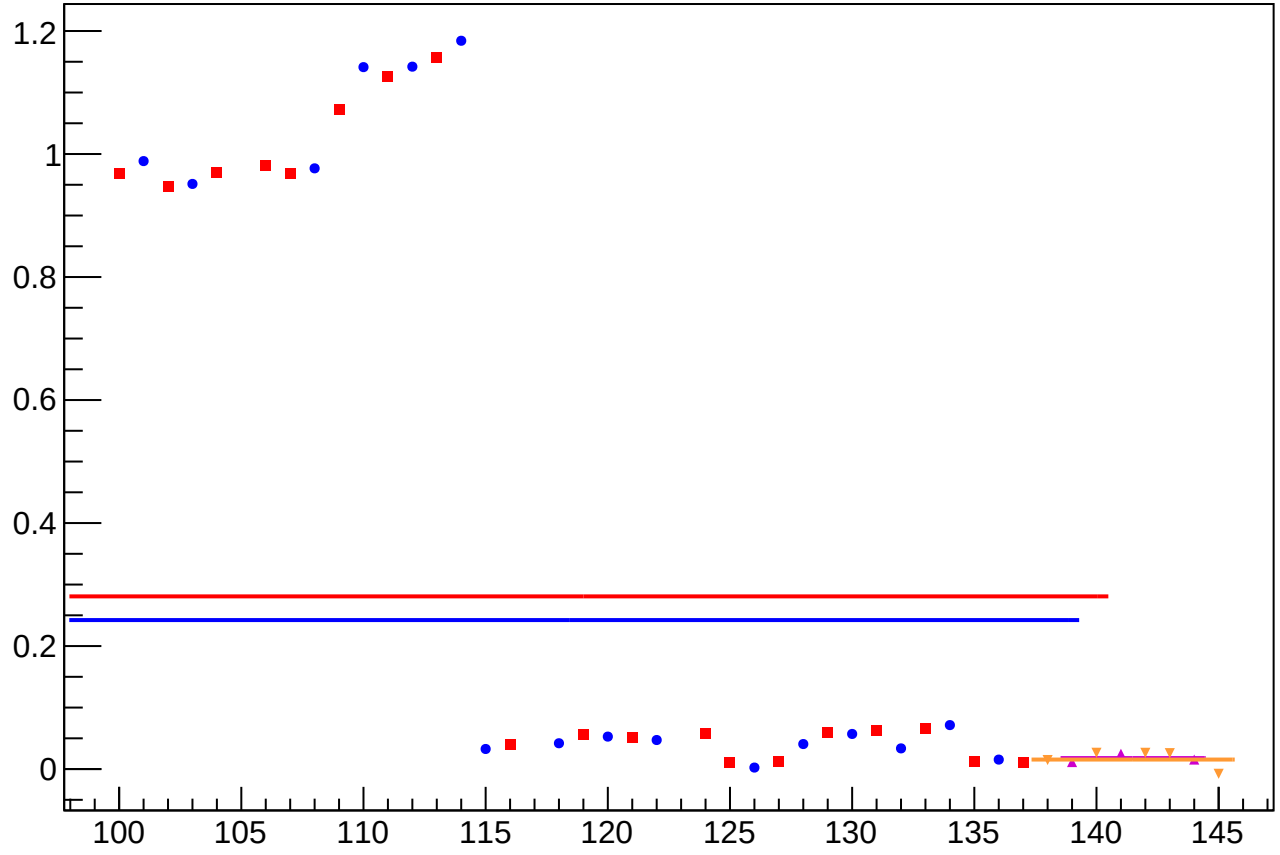
Left In: 0.018+/-0.000 χ^2/NDF:489682.7/2

+ sign 0.018+/-0.000 χ^2/NDF: 1683172.5/20

All: 0.019+/-0.000 χ^2/NDF: 3799088.5/42

- sign 0.020+/-0.000 χ^2/NDF: 2059952.6/21

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

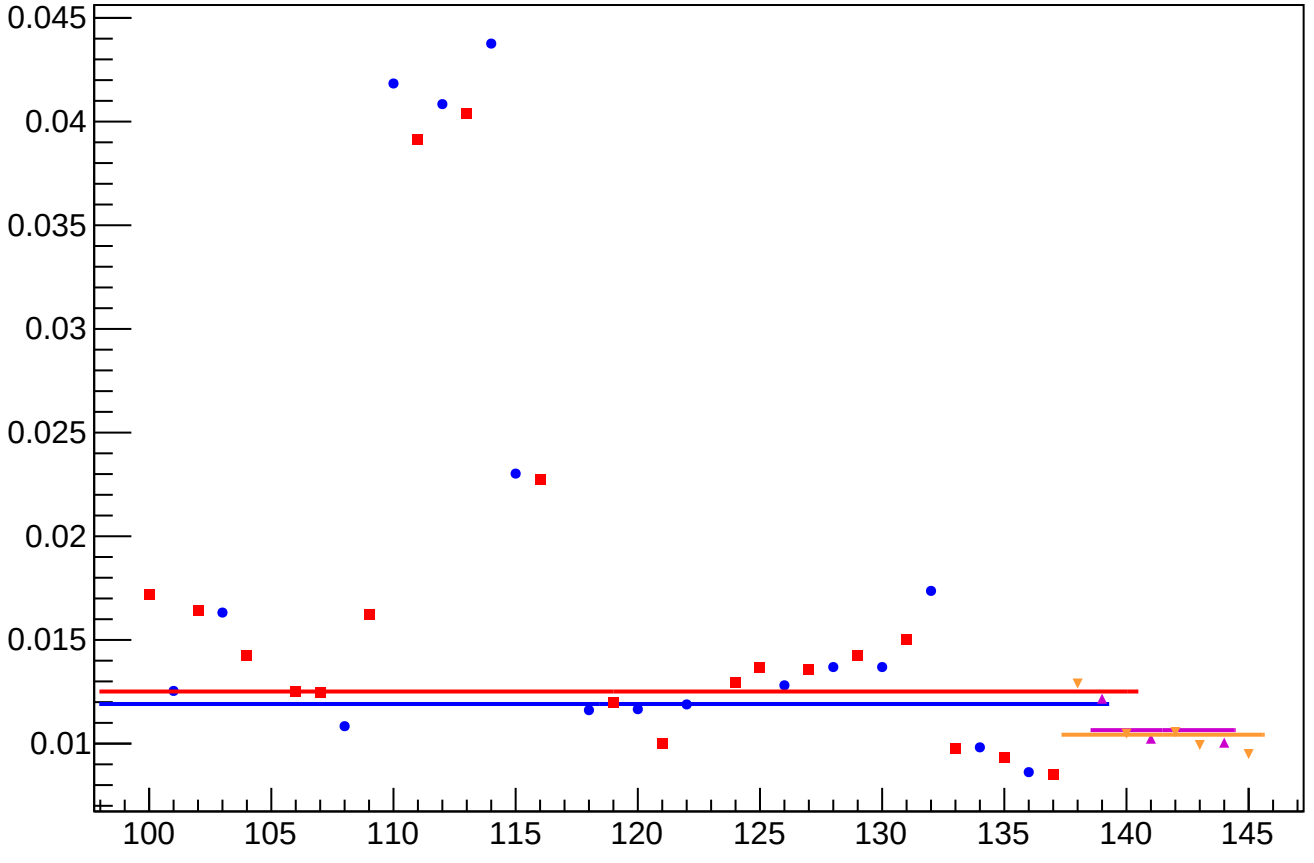
Left In: 0.018+/-0.000 χ^2/NDF:674114.9/2

+ sign 0.145+/-0.000 χ^2/NDF: 7446551471.5/20

All: 0.164+/-0.000 χ^2/NDF: 15234705967.5/4

- sign 0.186+/-0.000 χ^2/NDF: 7729576827.9/21

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

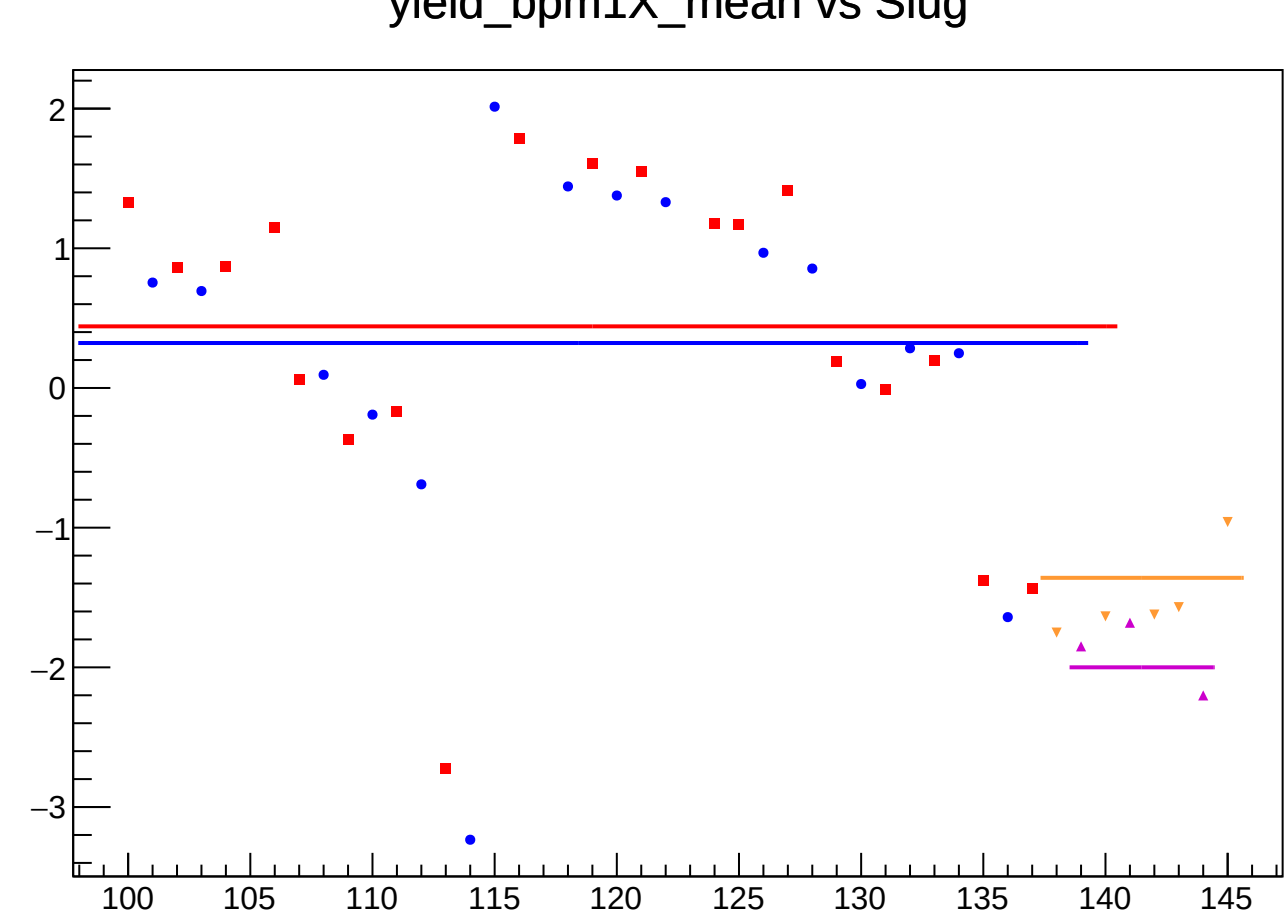
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:34243.7/2

+ sign 0.011+/-0.000 χ^2/NDF: 1612403.4/20

All: 0.012+/-0.000 χ^2/NDF: 3158473.2/42

- sign 0.012+/-0.000 χ^2/NDF: 1524191.9/21



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

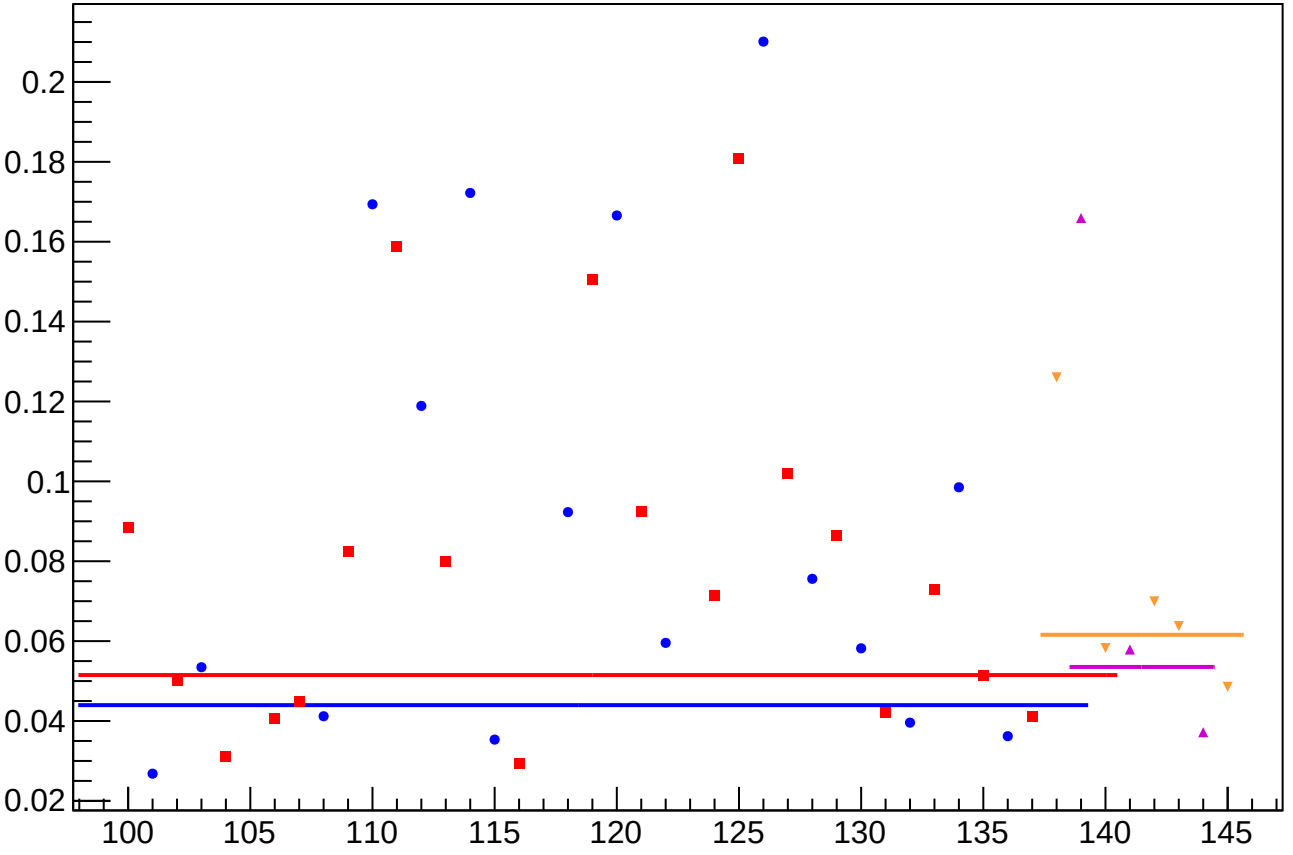
Left In: -2.000+/-0.000 χ^2/NDF:23723629.8/2

+ sign -0.050+/-0.000 χ^2/NDF: 2966116475.0/20

All: -0.042+/-0.000 χ^2/NDF: 6688912895.3/4

- sign -0.032+/-0.000 χ^2/NDF: 3722447499.2/21

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

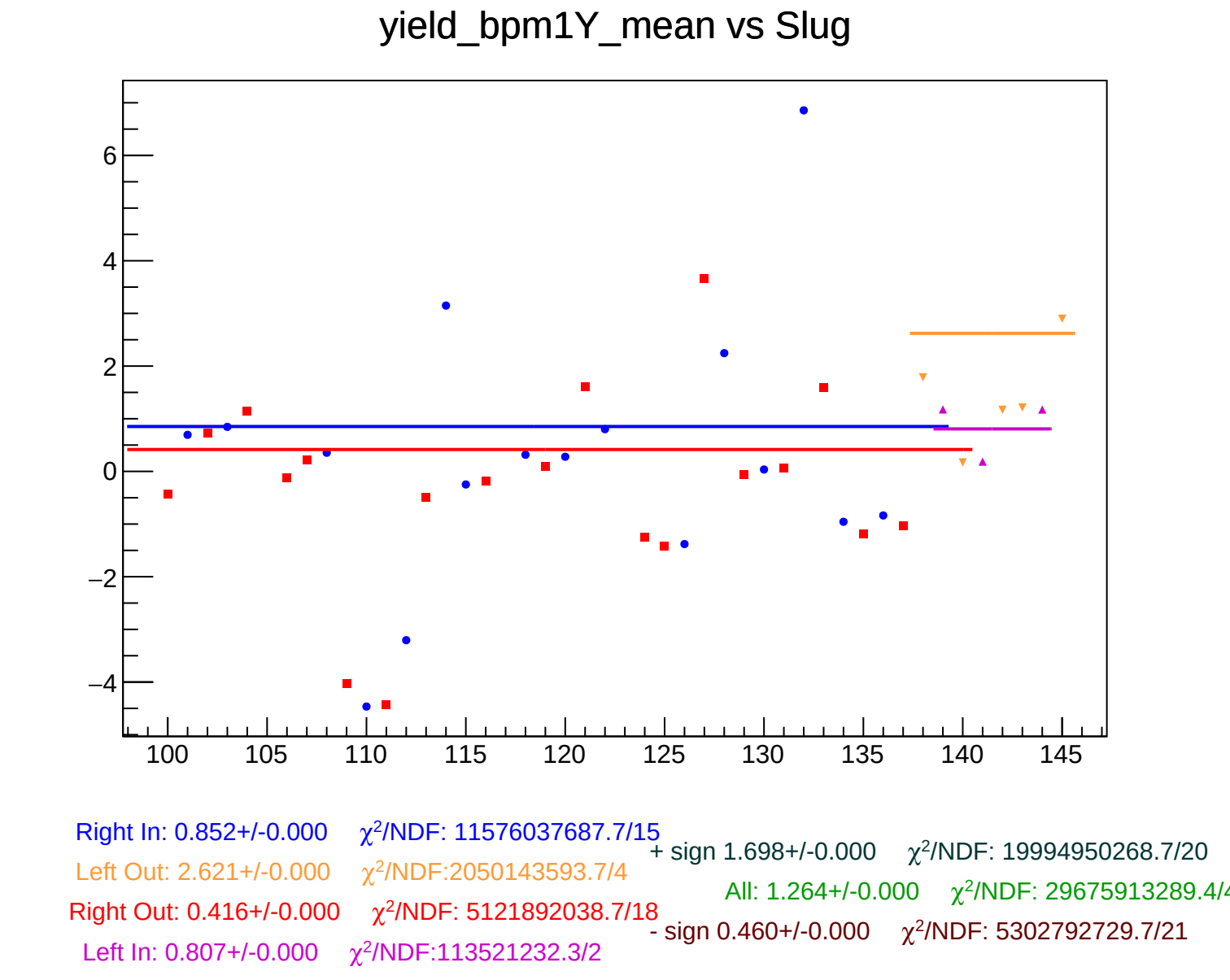
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.054+/-0.000 χ^2/NDF:857363.7/2

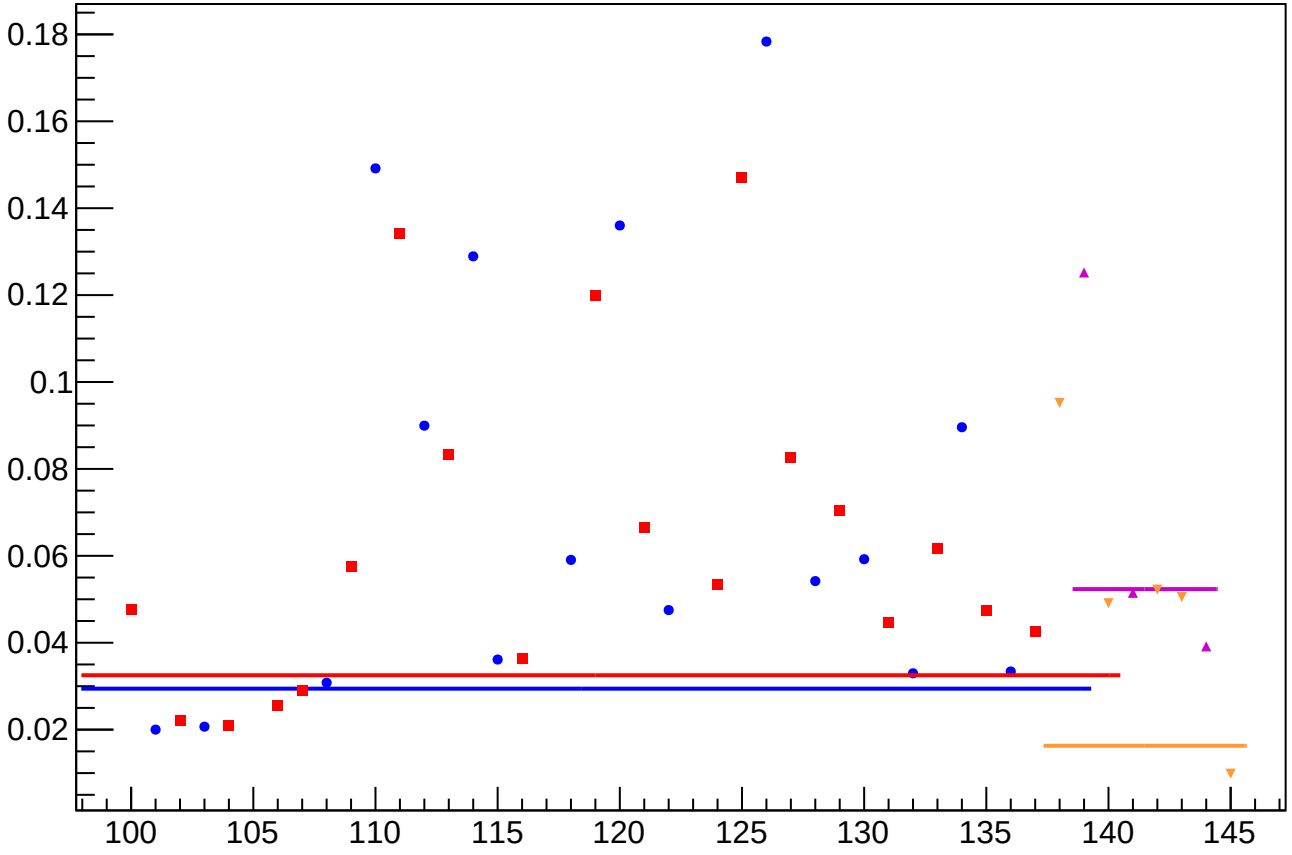
+ sign 0.048+/-0.000 χ^2/NDF: 3489992.8/20

All: 0.050+/-0.000 χ^2/NDF: 6754312.8/42

- sign 0.052+/-0.000 χ^2/NDF: 3227479.0/21


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
105
110
115
120
125
130
135
140
145
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 2.621+/-0.000 χ²/NDF:2050143593.7/4
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.807+/-0.000 χ²/NDF:113521232.3/2
+ sign 1.698+/-0.000 χ²/NDF: 19994950268.7/20
All: 1.264+/-0.000 χ²/NDF: 29675913289.4/4
- sign 0.460+/-0.000 χ²/NDF: 5302792729.7/21

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

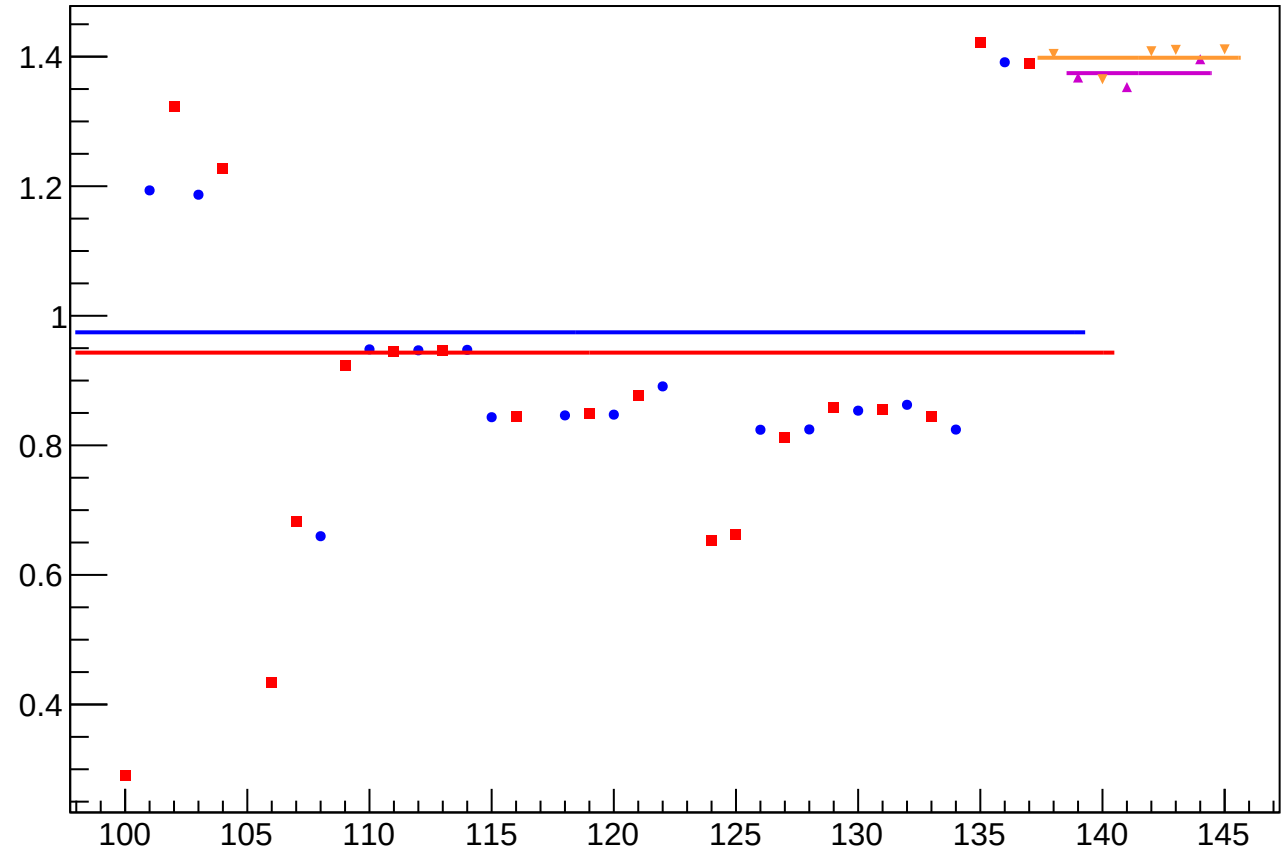
Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.052+/-0.000 χ^2/NDF:617749.9/2

+ sign 0.023+/-0.000 χ^2/NDF: 6151065.8/20

All: 0.027+/-0.000 χ^2/NDF: 11200332.2/42

- sign 0.035+/-0.000 χ^2/NDF: 4279573.8/21



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

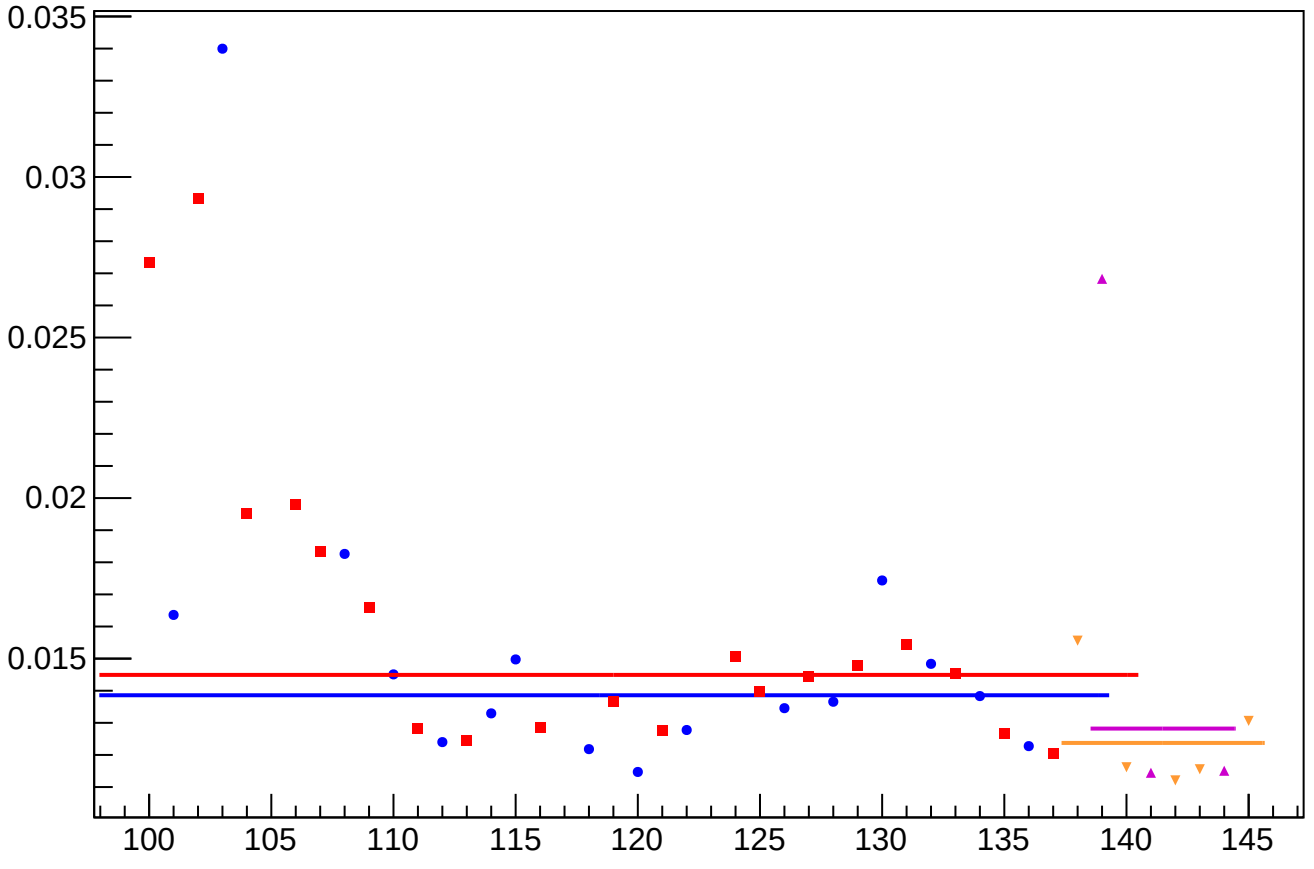
Left In: 1.375+/-0.000 χ^2/NDF:5470052.3/2

+ sign 1.133+/-0.000 χ^2/NDF: 3645152069.9/20

All: 1.105+/-0.000 χ^2/NDF: 7096027889.7/42

- sign 1.071+/-0.000 χ^2/NDF: 3358799221.0/21

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

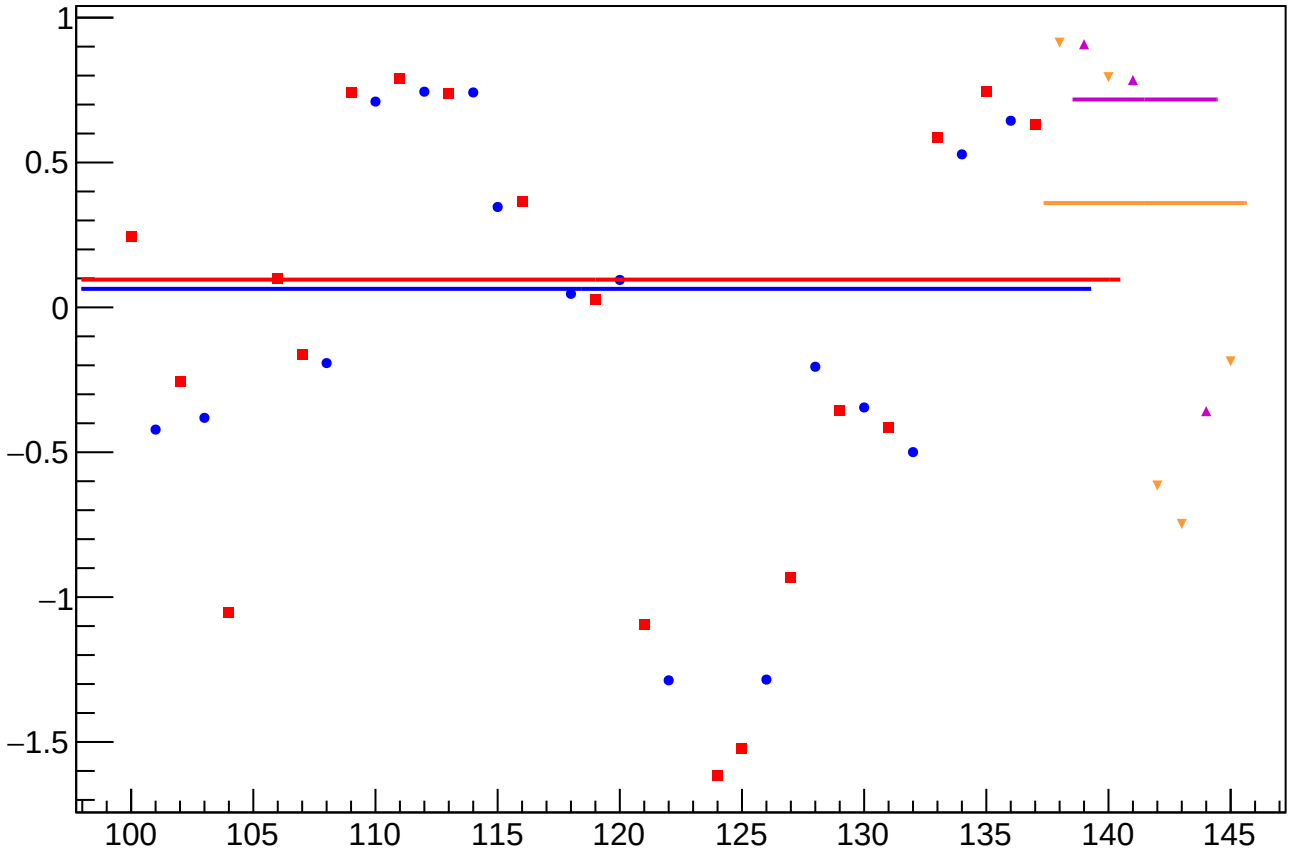
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:483393.9/2

+ sign 0.013+/-0.000 χ^2/NDF: 730474.2/20

All: 0.014+/-0.000 χ^2/NDF: 1831574.2/42

- sign 0.014+/-0.000 χ^2/NDF: 1078277.6/21



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

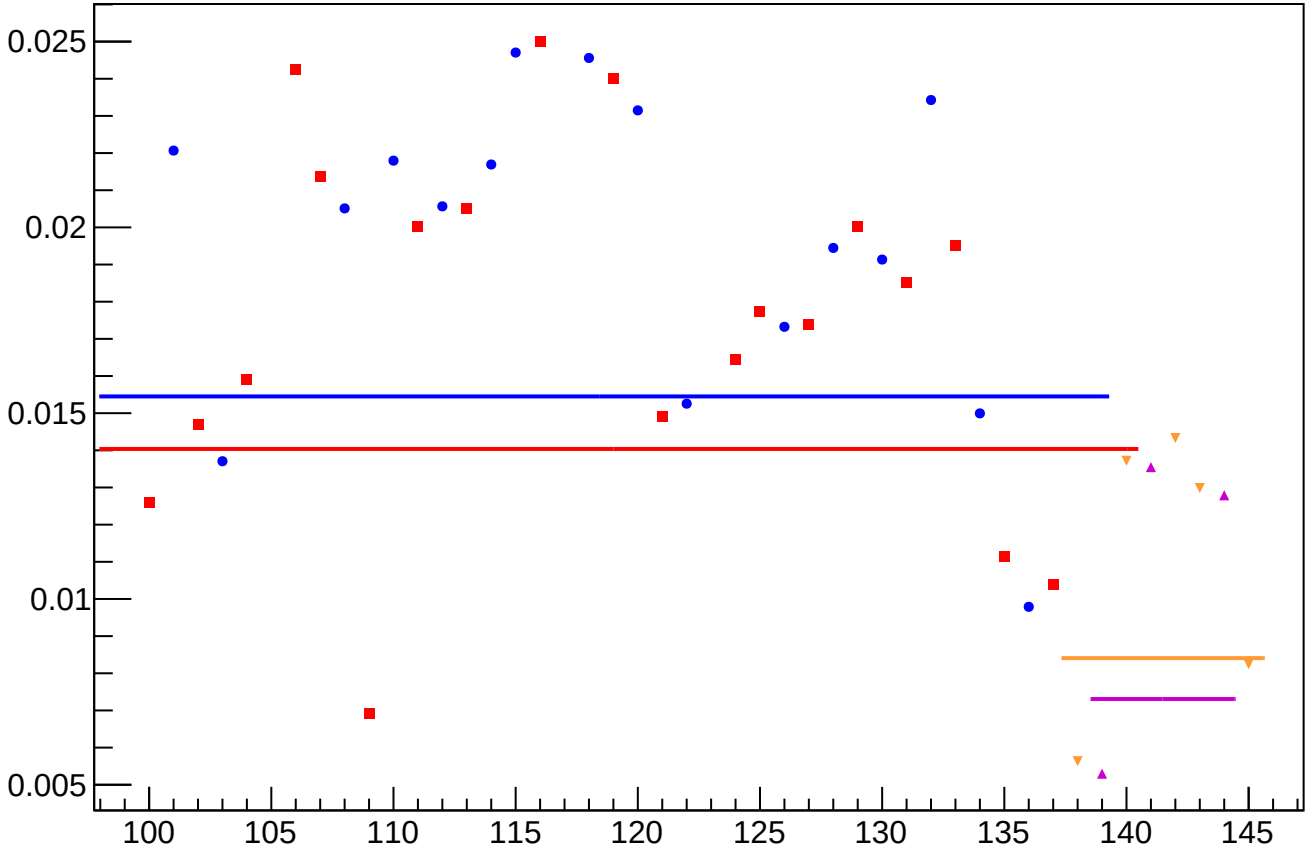
Left In: 0.717+/-0.000 χ^2/NDF:7190869439.5/2

+ sign 0.246+/-0.000 χ^2/NDF: 29593253400.3/20

All: 0.347+/-0.000 χ^2/NDF: 62352705977.4/4

- sign 0.445+/-0.000 χ^2/NDF: 31444042801.0/21

yield_bpm11Y_rms vs Slug



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

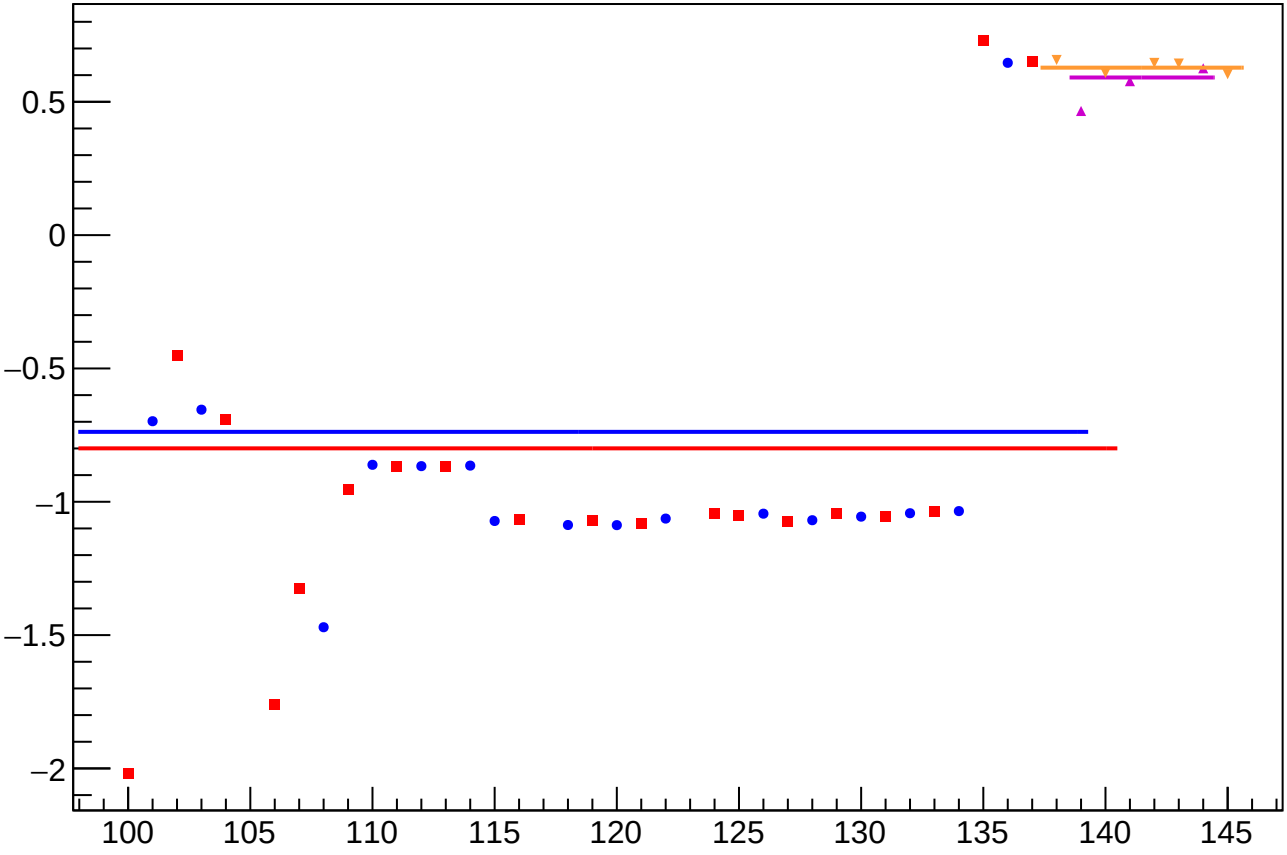
Left In: 0.007+/-0.000 χ^2/NDF:896038.0/2

+ sign 0.011+/-0.000 χ^2/NDF: 3694934.5/20

All: 0.011+/-0.000 χ^2/NDF: 7843140.7/42

- sign 0.010+/-0.000 χ^2/NDF: 4098535.5/21

yield_bpm12X_mean vs Slug



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

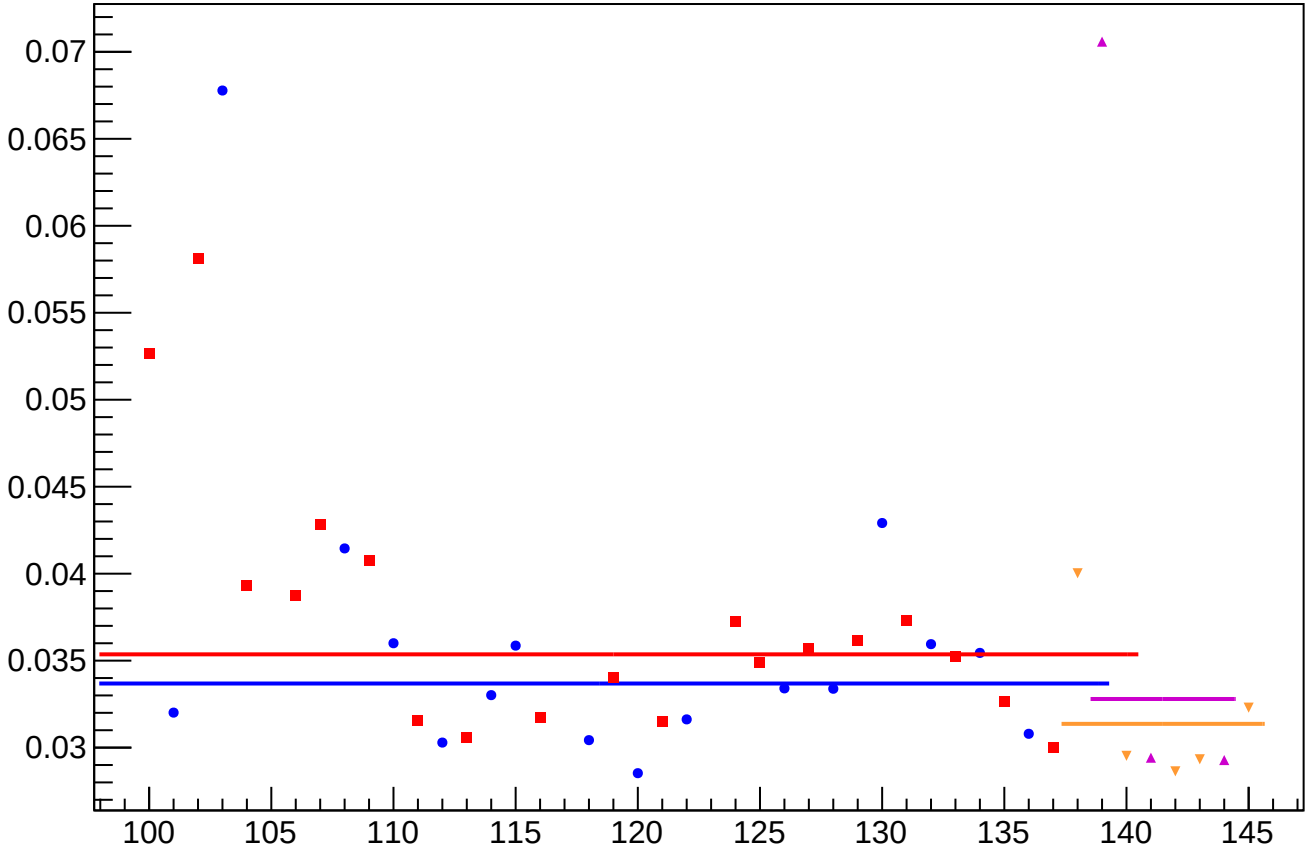
Left In: 0.591+/-0.000 χ^2/NDF:3820816.8/2

+ sign -0.259+/-0.000 χ^2/NDF: 5704990878.0/20

All: -0.332+/-0.000 χ^2/NDF: 10422775927.5/

- sign -0.420+/-0.000 χ^2/NDF: 4617218061.6/21

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

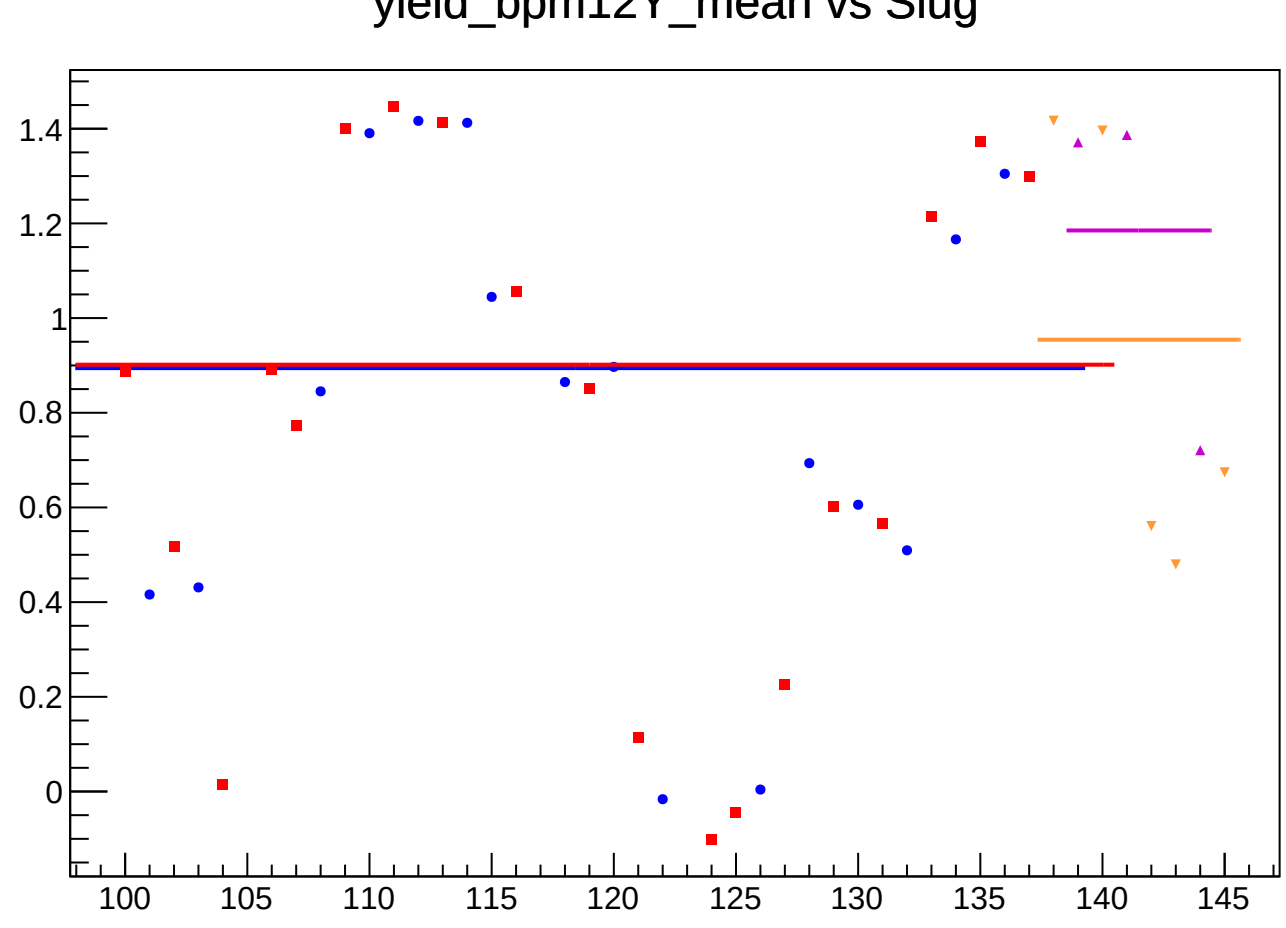
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:505263.1/2

+ sign 0.033+/-0.000 χ^2/NDF: 520174.4/20

All: 0.034+/-0.000 χ^2/NDF: 1365246.8/42

- sign 0.035+/-0.000 χ^2/NDF: 820213.2/21



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

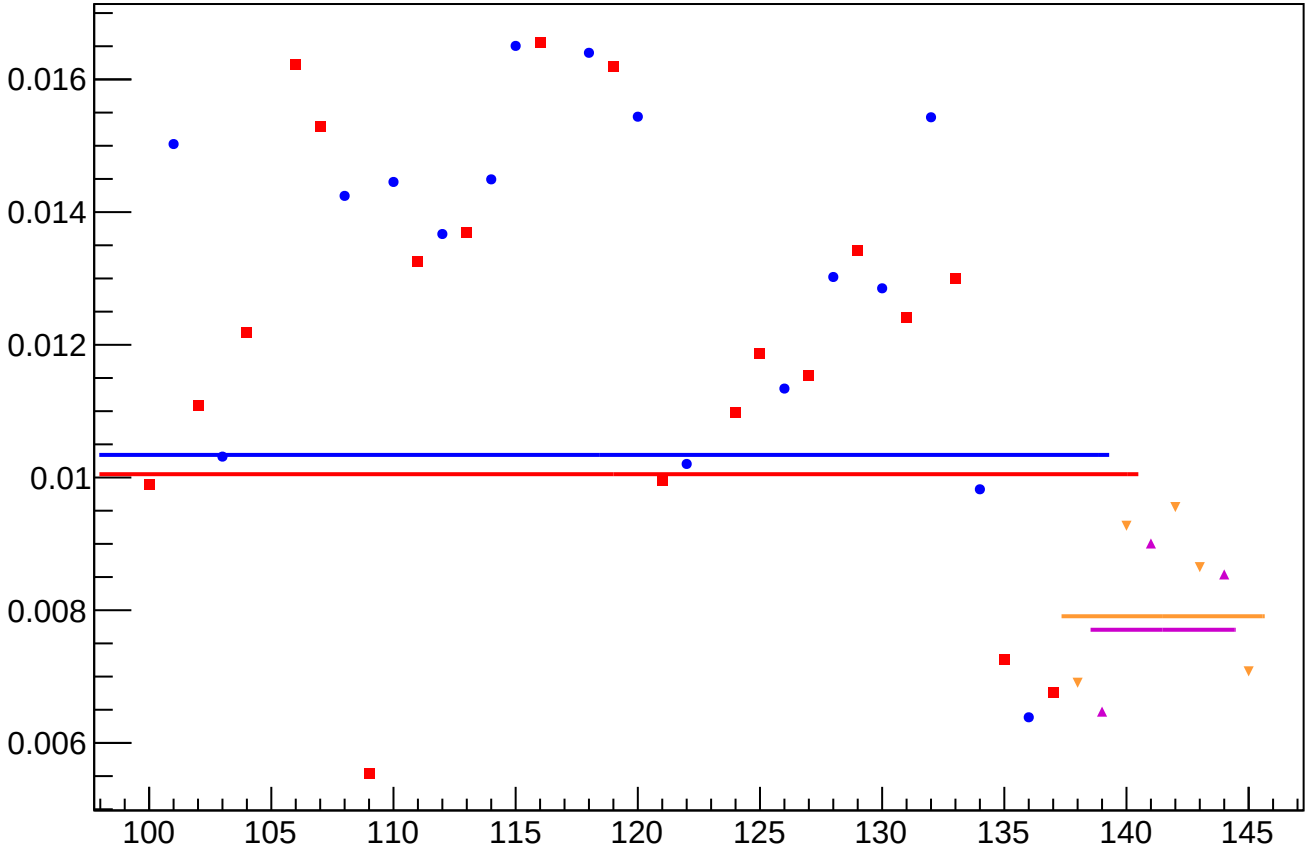
Left In: 1.185+/-0.000 χ^2/NDF:3631003471.9/2

+ sign 0.924+/-0.000 χ^2/NDF: 22096567733.8/20

All: 0.968+/-0.000 χ^2/NDF: 46023384859.1/4

- sign 1.016+/-0.000 χ^2/NDF: 23480294825.8/21

yield_bpm12Y_rms vs Slug



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

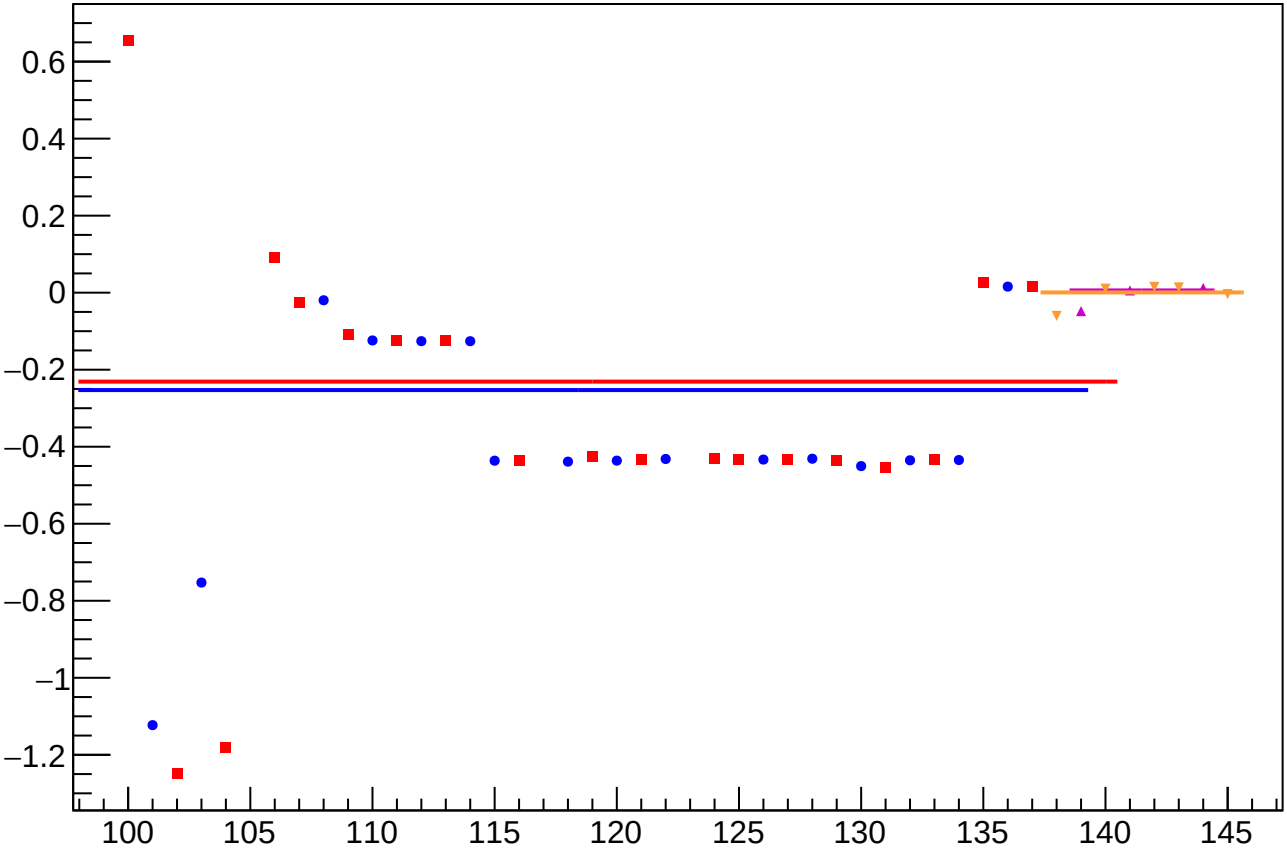
Left In: 0.008+/-0.000 χ^2/NDF:107938.5/2

+ sign 0.009+/-0.000 χ^2/NDF: 1798573.8/20

All: 0.009+/-0.000 χ^2/NDF: 3511040.4/42

- sign 0.009+/-0.000 χ^2/NDF: 1712333.8/21

yield_bpm16X_mean vs Slug



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

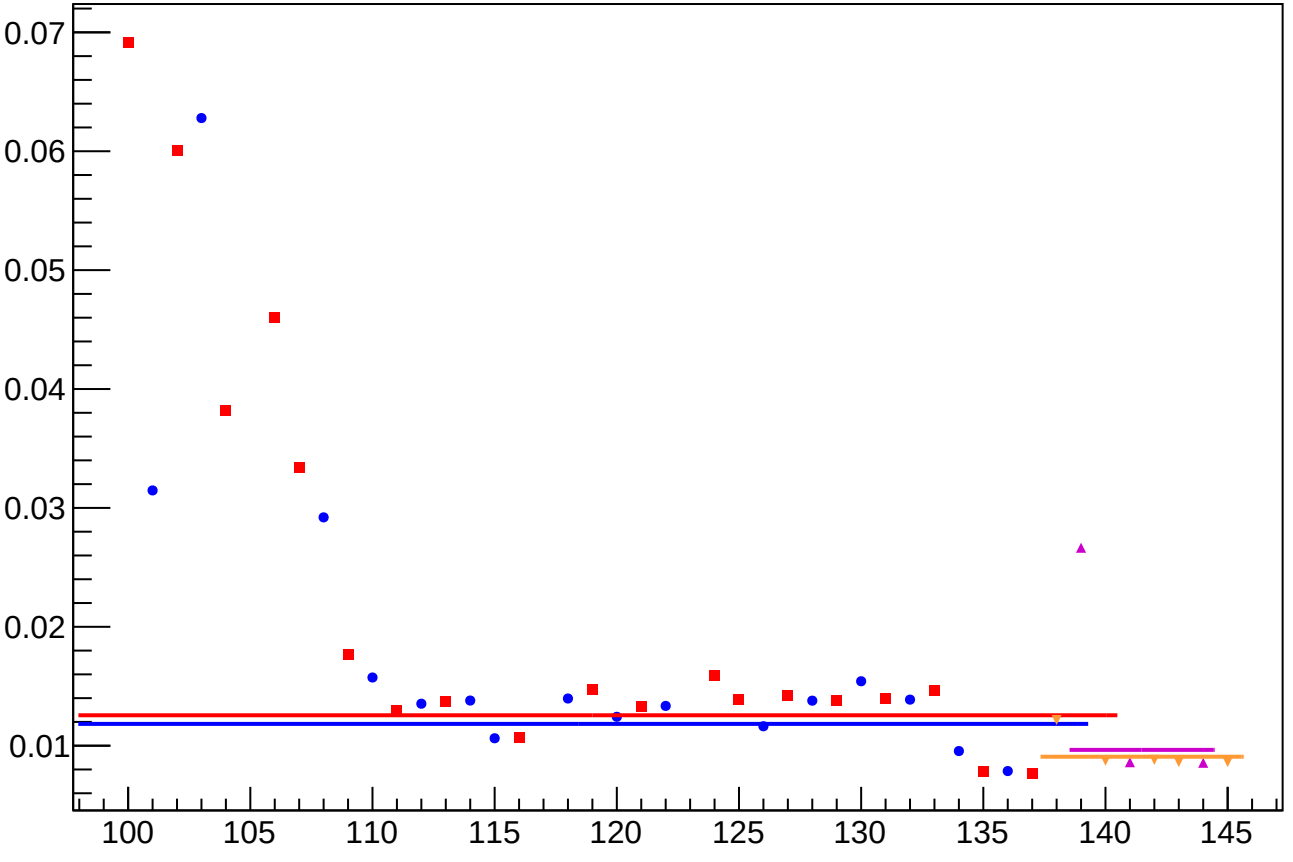
Left In: 0.006+/-0.000 χ^2/NDF:3784147.7/2

+ sign -0.131+/-0.000 χ^2/NDF: 3137944127.7/20

All: -0.135+/-0.000 χ^2/NDF: 5639167150.2/4

- sign -0.140+/-0.000 χ^2/NDF: 2499172083.6/21

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

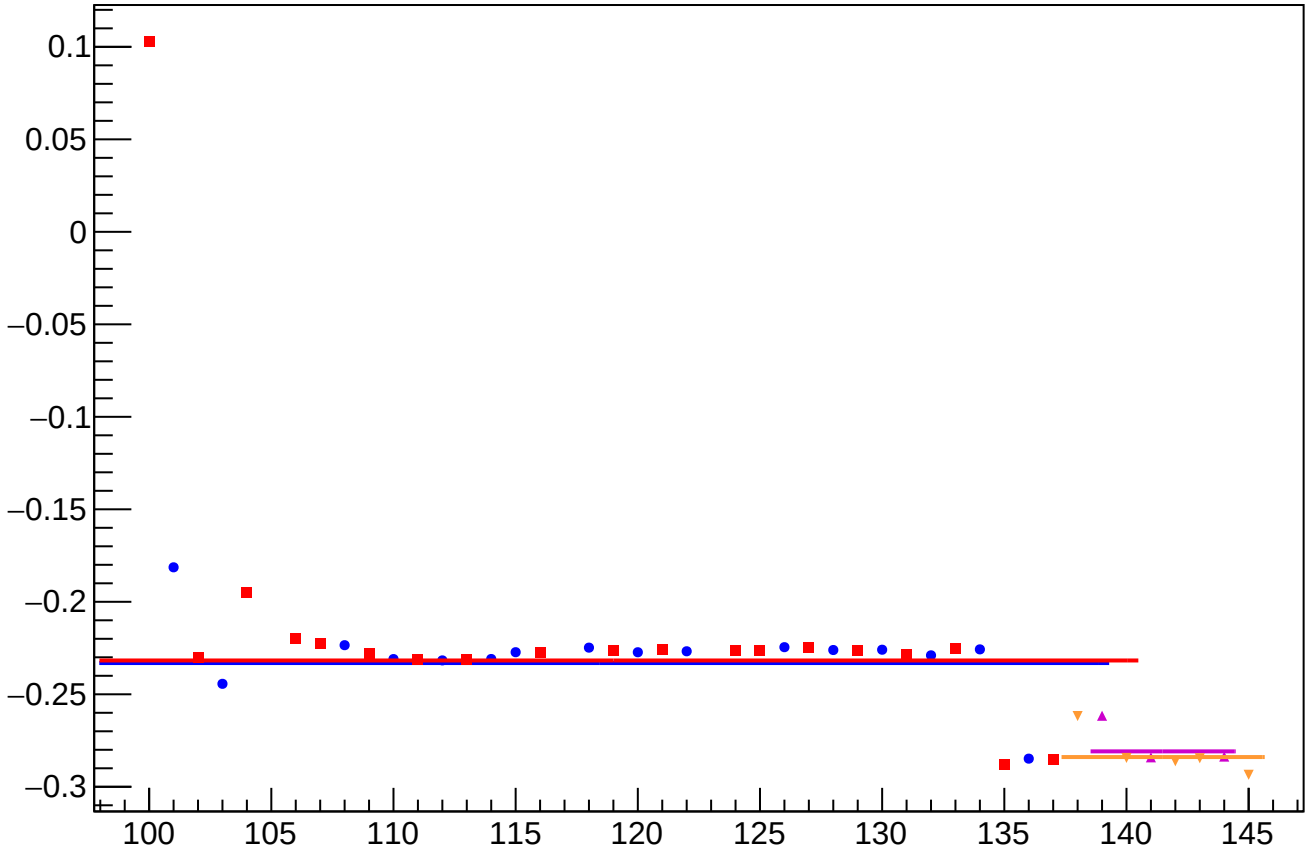
Left In: 0.010+/-0.000 χ^2/NDF:719610.9/2

+ sign 0.011+/-0.000 χ^2/NDF: 2281238.5/20

All: 0.011+/-0.000 χ^2/NDF: 5476463.9/42

- sign 0.011+/-0.000 χ^2/NDF: 3144631.9/21

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

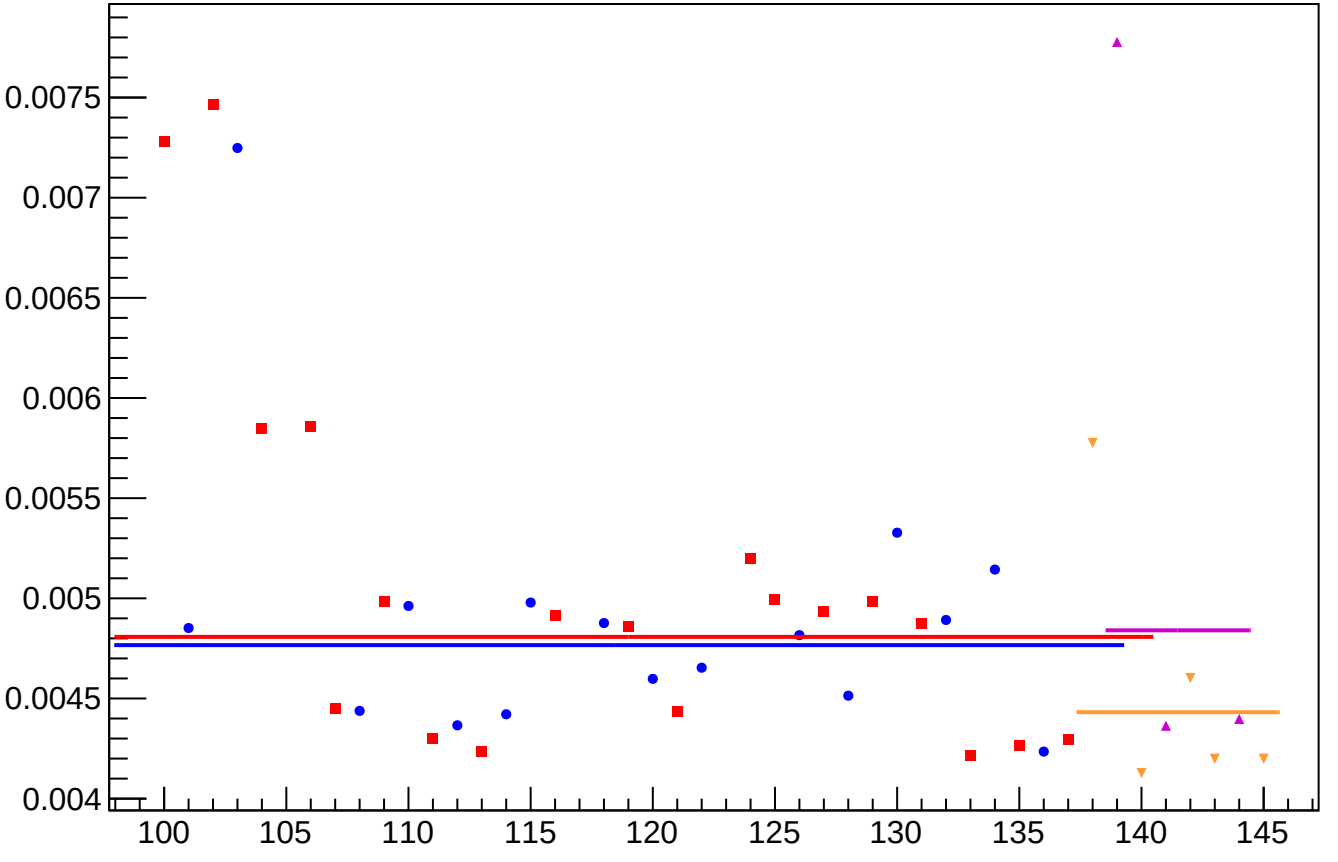
Left In: -0.281+/-0.000 χ^2/NDF:5681069.3/2

+ sign -0.252+/-0.000 χ^2/NDF: 483996133.1/20

All: -0.248+/-0.000 χ^2/NDF: 966252071.1/42

- sign -0.244+/-0.000 χ^2/NDF: 469674584.3/21

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

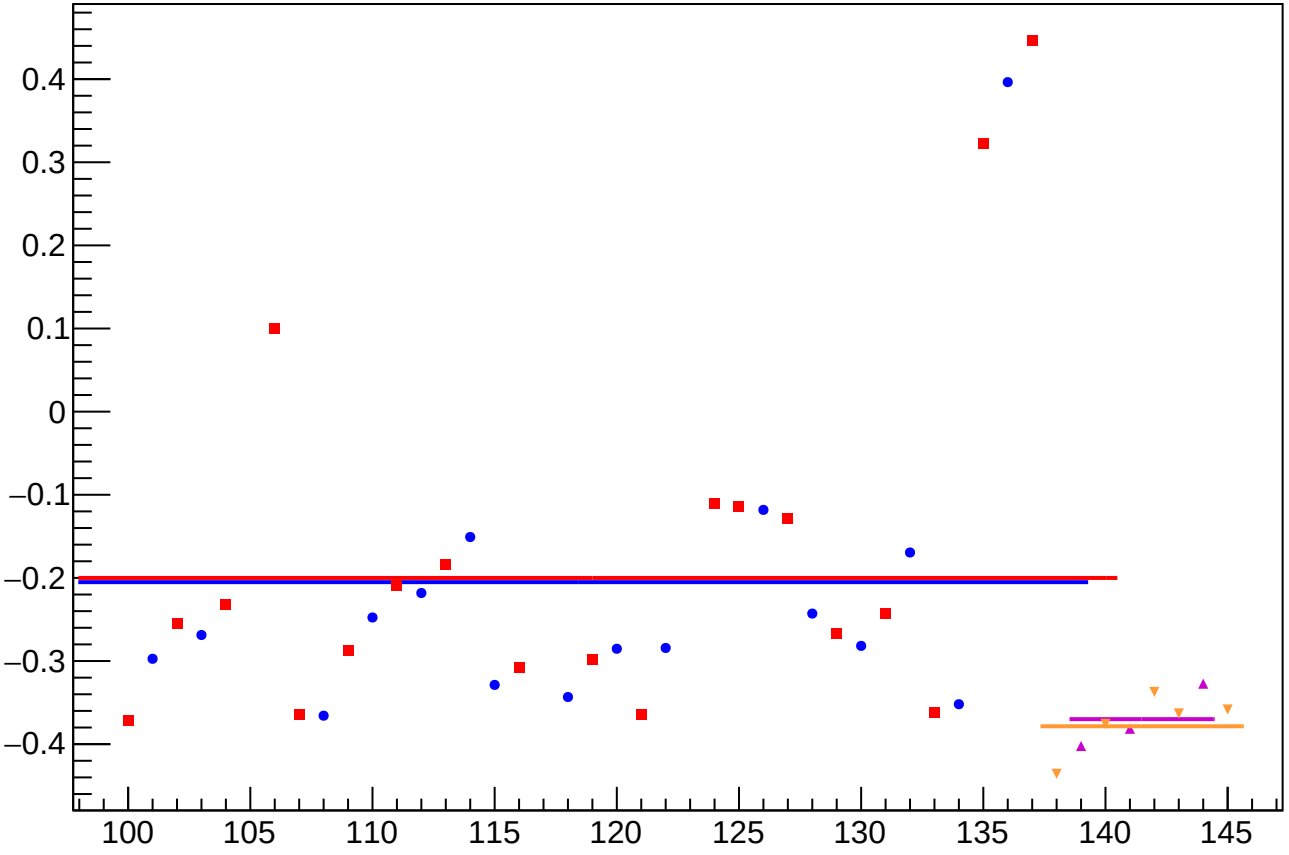
Left In: 0.005+/-0.000 χ^2/NDF:264191.0/2

+ sign 0.005+/-0.000 χ^2/NDF: 310977.7/20

All: 0.005+/-0.000 χ^2/NDF: 881557.1/42

- sign 0.005+/-0.000 χ^2/NDF: 558084.7/21

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

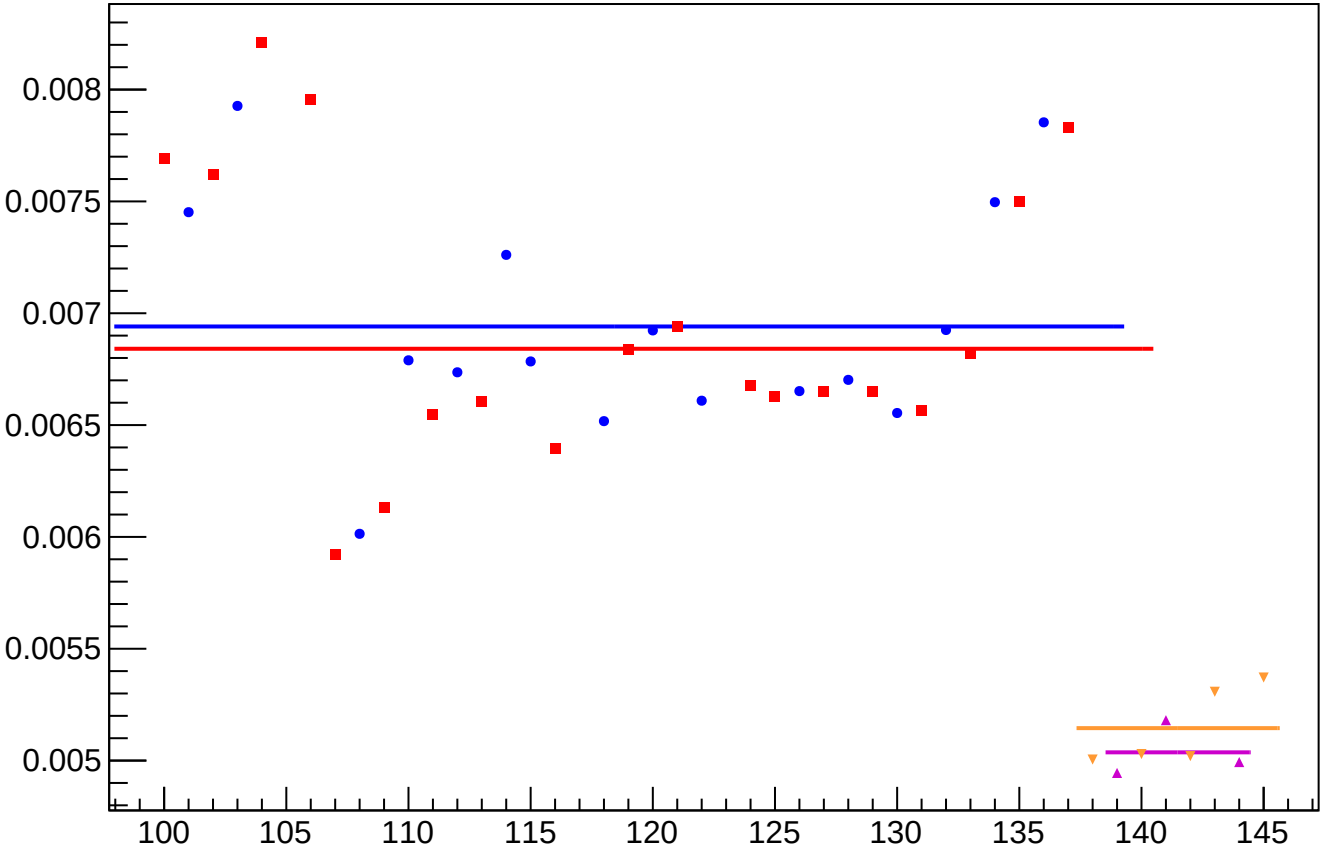
Left In: -0.370+/-0.000 χ^2/NDF:101242265.1/2

+ sign -0.287+/-0.000 χ^2/NDF: 8408716942.8/20

All: -0.277+/-0.000 χ^2/NDF: 15559463304.9/

- sign -0.267+/-0.000 χ^2/NDF: 7095272615.7/21

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

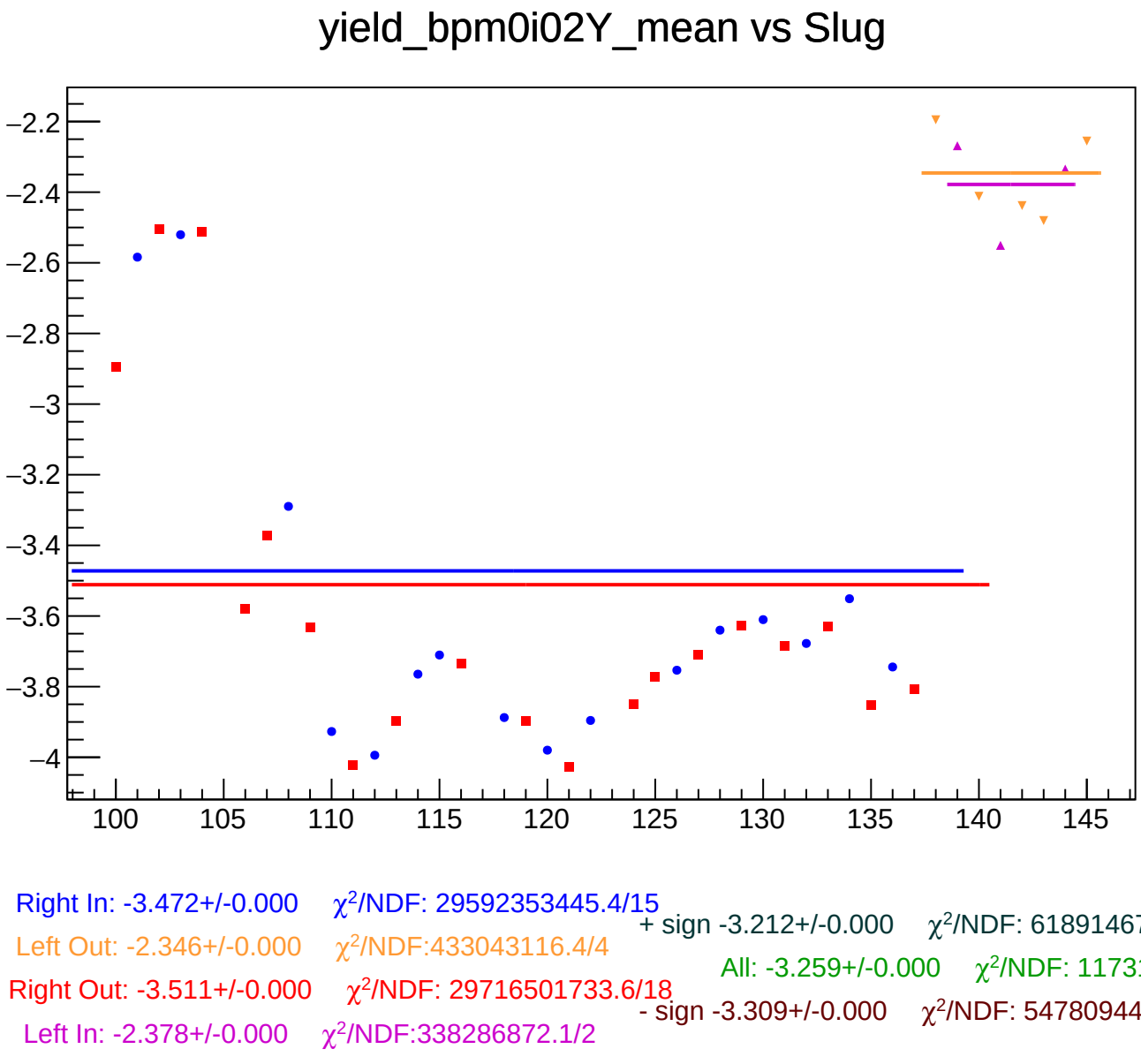
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

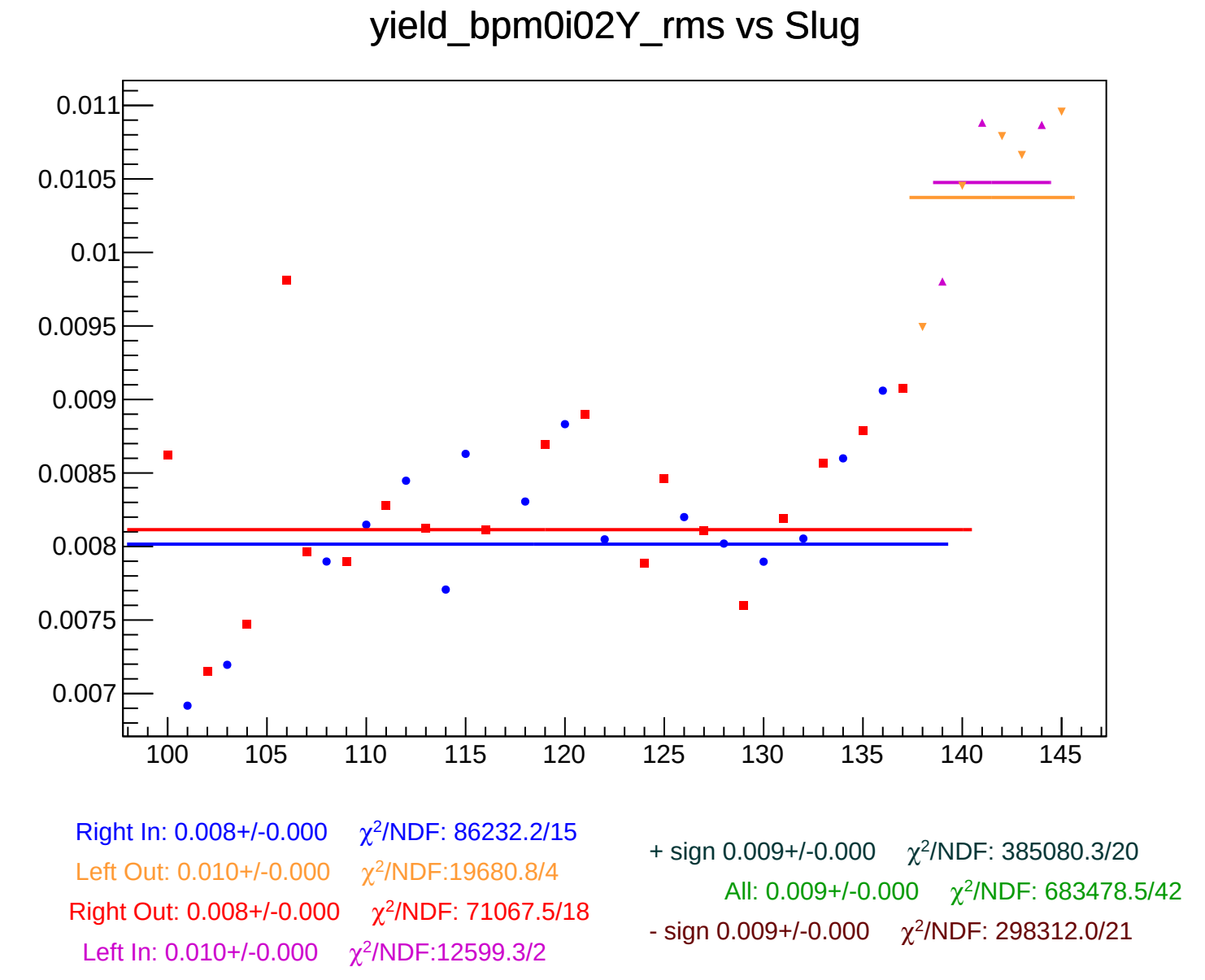
Left In: 0.005+/-0.000 χ^2/NDF:2012.8/2

+ sign 0.006+/-0.000 χ^2/NDF: 537196.2/20

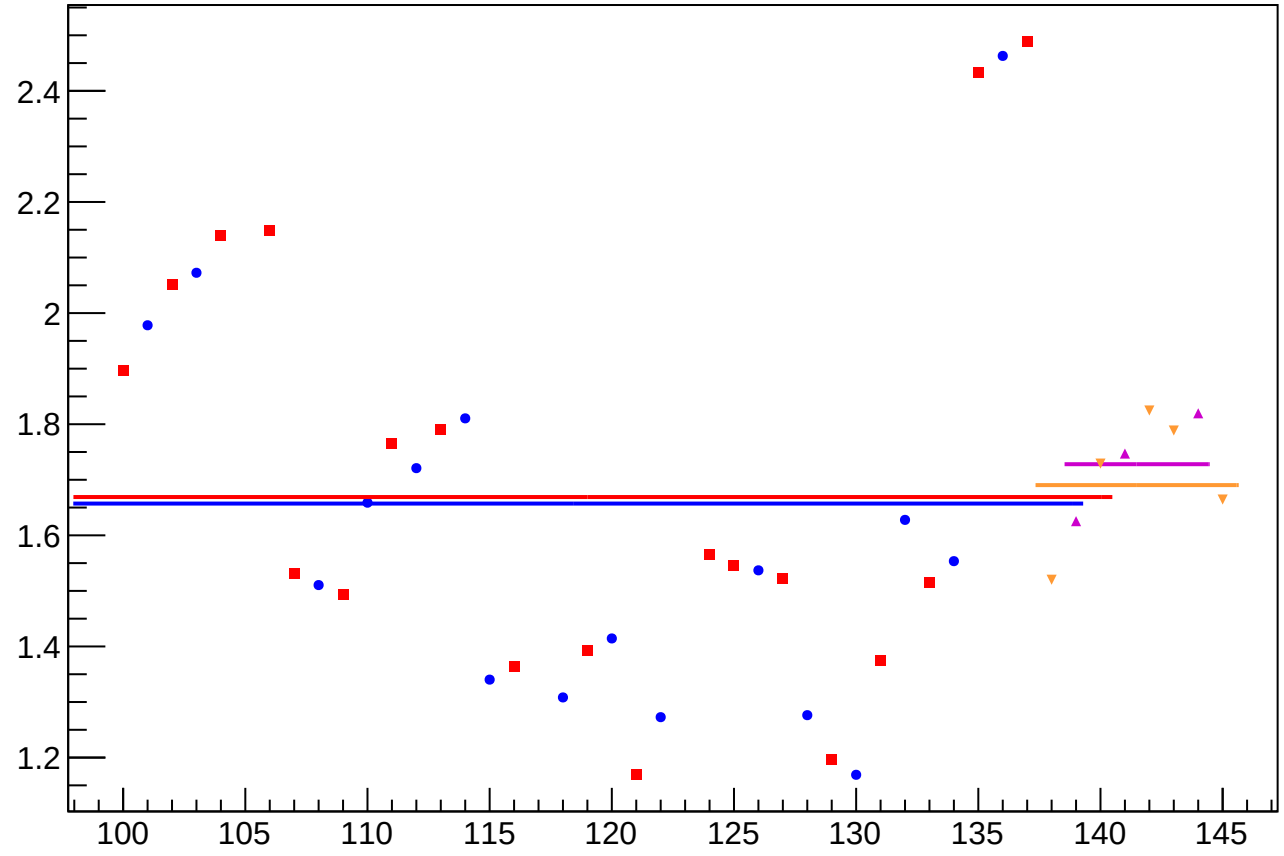
All: 0.006+/-0.000 χ^2/NDF: 1033074.8/42

- sign 0.006+/-0.000 χ^2/NDF: 495405.0/21


yield_bpm0i02Y_mean vs Slug
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
105
110
115
120
125
130
135
140
145
Right In: -3.472+/-0.000 χ²/NDF: 29592353445.4/15
Left Out: -2.346+/-0.000 χ²/NDF:433043116.4/4
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.378+/-0.000 χ²/NDF:338286872.1/2
+ sign -3.212+/-0.000 χ²/NDF: 61891467114.3/20
All: -3.259+/-0.000 χ²/NDF: 117318361108.
- sign -3.309+/-0.000 χ²/NDF: 54780944684.4/21


yield_bpm0i02Y_rms vs Slug
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
100
105
110
115
120
125
130
135
140
145
Right In: 0.008+/-0.000 χ²/NDF: 86232.2/15
Left Out: 0.010+/-0.000 χ²/NDF:19680.8/4
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.010+/-0.000 χ²/NDF:12599.3/2
+ sign 0.009+/-0.000 χ²/NDF: 385080.3/20
All: 0.009+/-0.000 χ²/NDF: 683478.5/42
- sign 0.009+/-0.000 χ²/NDF: 298312.0/21

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

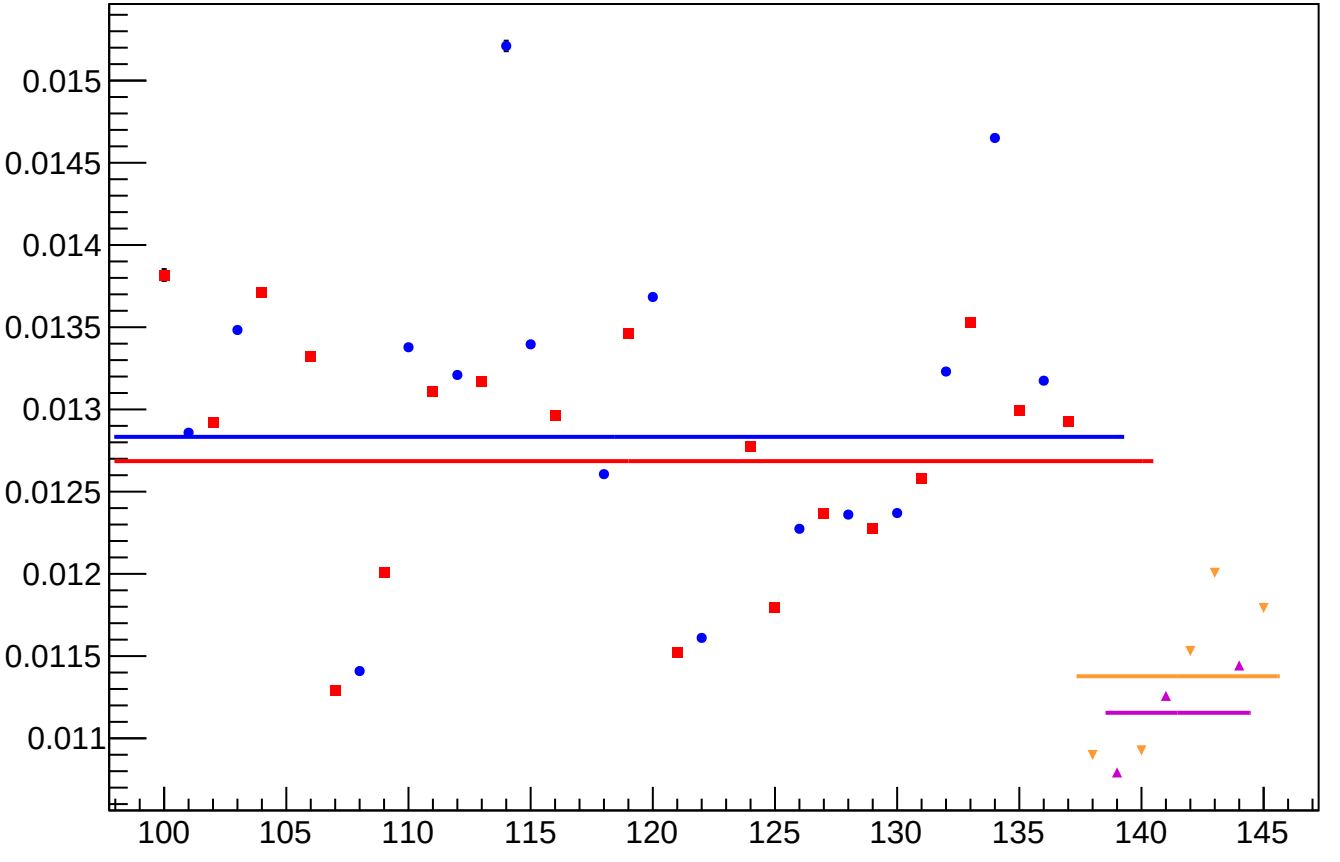
Left In: 1.728+/-0.000 χ^2/NDF:132448966.6/2

+ sign 1.670+/-0.000 χ^2/NDF: 6992832854.1/20

All: 1.679+/-0.000 χ^2/NDF: 13542119382.1/4

- sign 1.687+/-0.000 χ^2/NDF: 6539151834.1/21

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

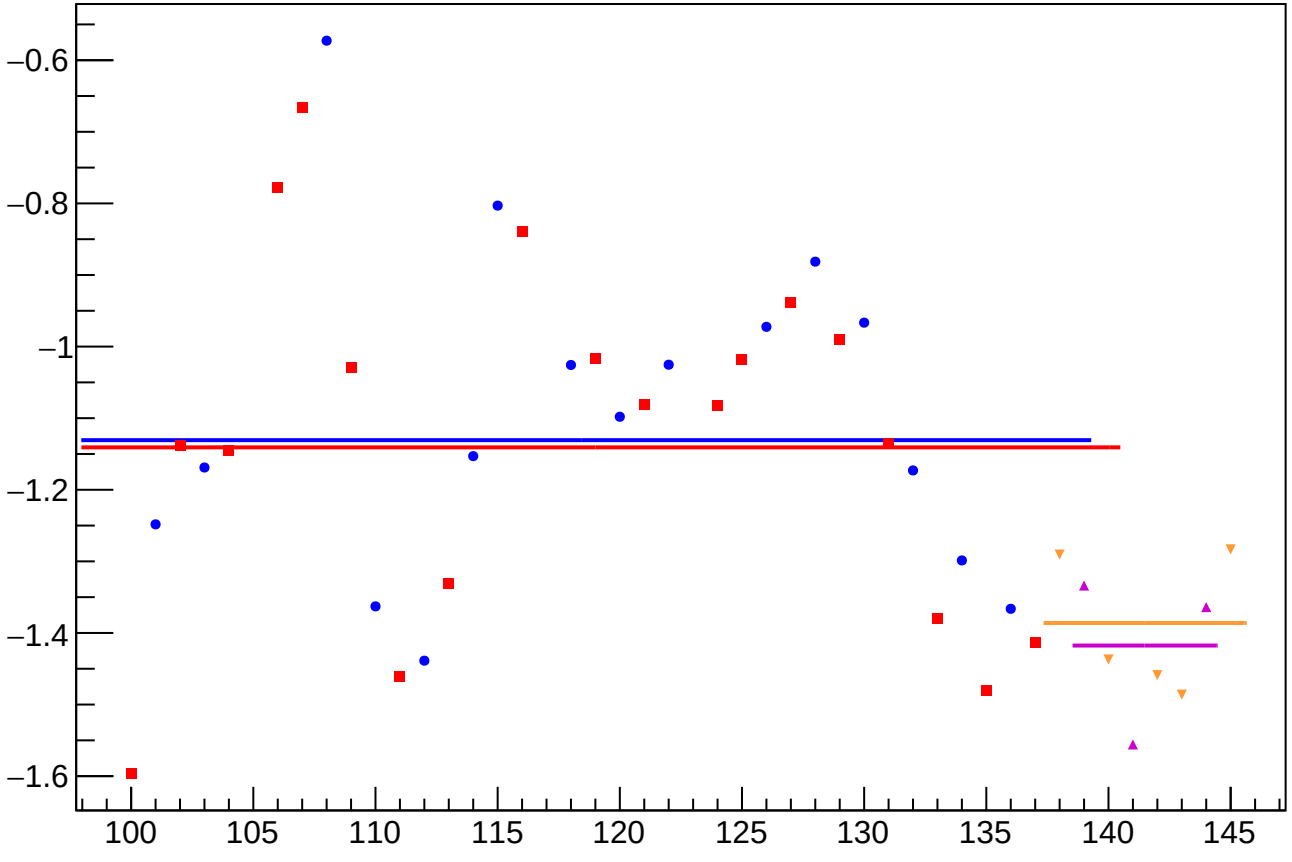
Left In: 0.011+/-0.000 χ^2/NDF:3104.9/2

+ sign 0.012+/-0.000 χ^2/NDF: 134963.3/20

All: 0.012+/-0.000 χ^2/NDF: 247448.6/42

- sign 0.012+/-0.000 χ^2/NDF: 112245.1/21

yield_bpm0i02aY_mean vs Slug



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

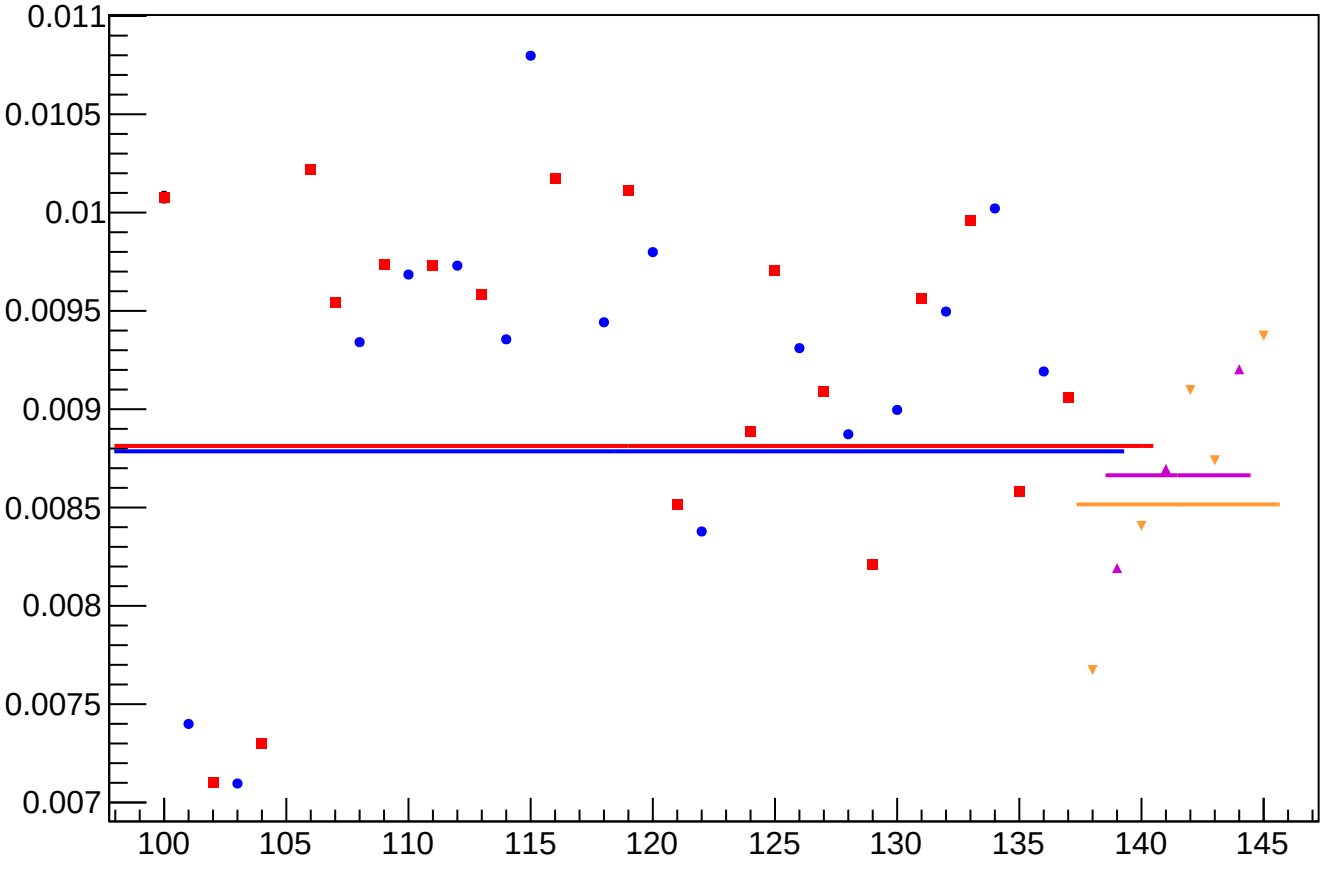
Left In: -1.418+/-0.000 χ^2/NDF:333125880.0/2

+ sign -1.220+/-0.000 χ^2/NDF: 6173609578.8/20

All: -1.218+/-0.000 χ^2/NDF: 11930981224.5/

- sign -1.217+/-0.000 χ^2/NDF: 5756674229.8/21

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

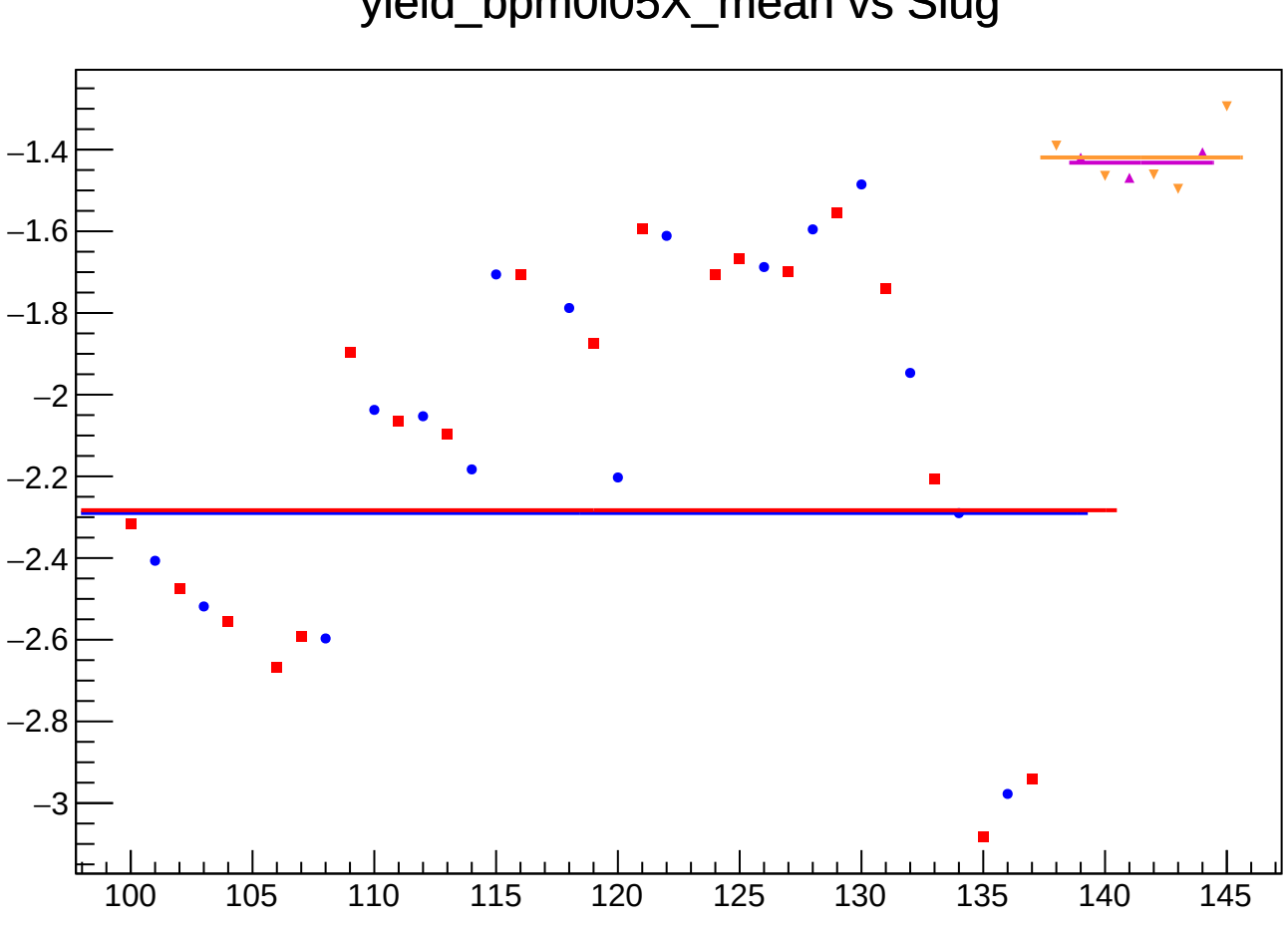
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:11377.9/2

+ sign 0.009+/-0.000 χ^2/NDF: 212282.4/20

All: 0.009+/-0.000 χ^2/NDF: 430039.5/42

- sign 0.009+/-0.000 χ^2/NDF: 216912.8/21



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

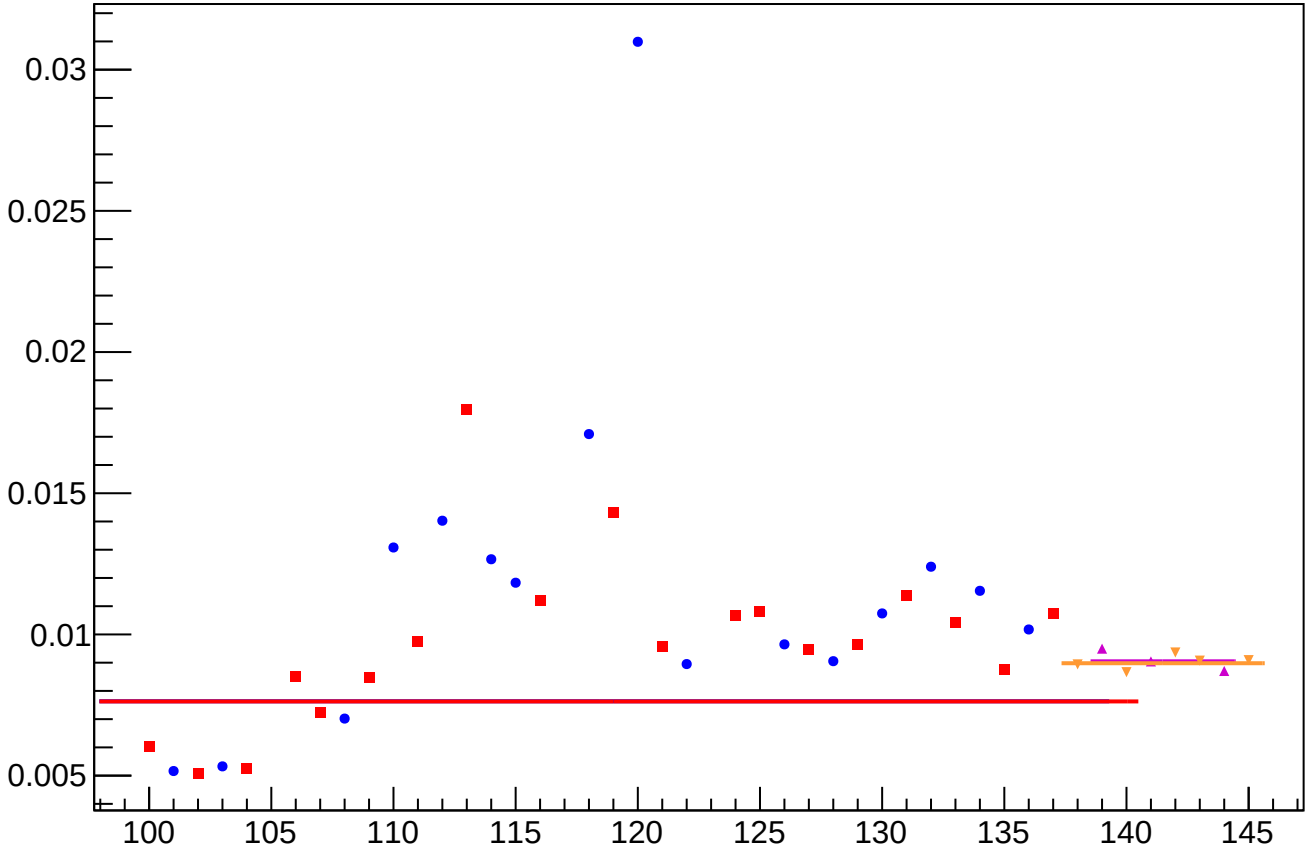
Left In: -1.432+/-0.000 χ^2/NDF:21982314.7/2

+ sign -2.016+/-0.000 χ^2/NDF: 36213613310.5/20

All: -2.050+/-0.000 χ^2/NDF: 69677638153.8/

- sign -2.084+/-0.000 χ^2/NDF: 33174177762.3/21

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

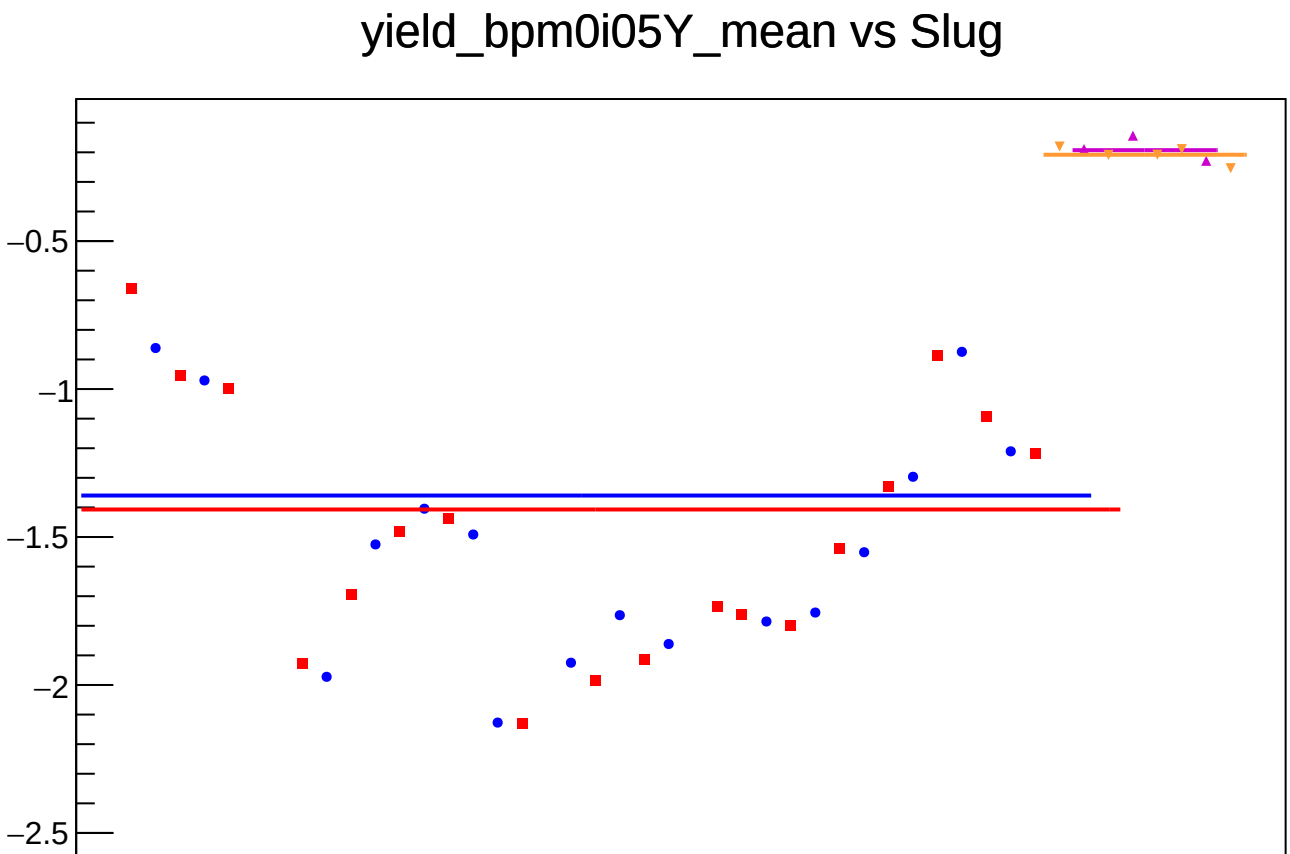
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:5812.6/2

+ sign 0.008+/-0.000 χ^2/NDF: 1814060.6/20

All: 0.008+/-0.000 χ^2/NDF: 3228630.7/42

- sign 0.008+/-0.000 χ^2/NDF: 1413395.8/21



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

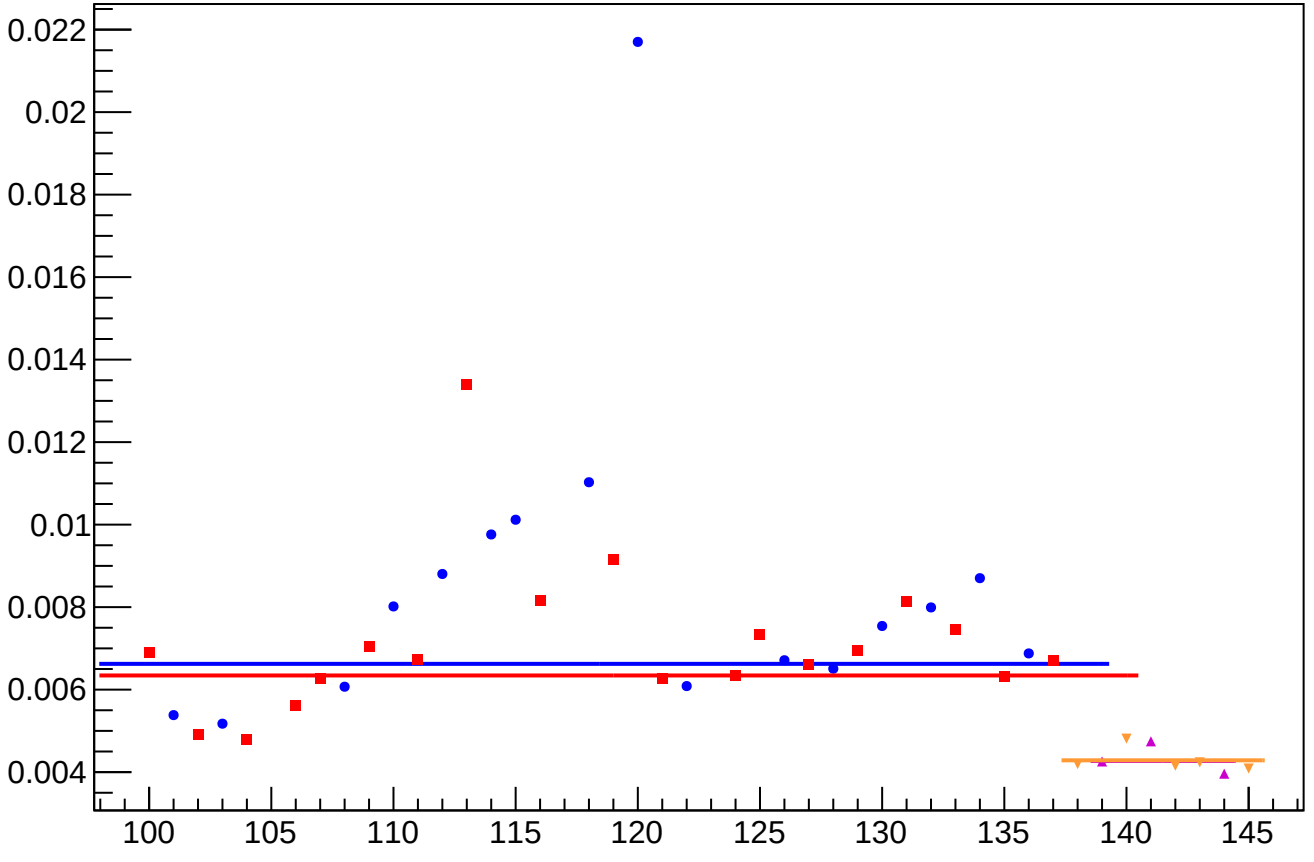
Left In: -0.193+/-0.000 χ^2/NDF:155345163.9/2

+ sign -0.690+/-0.000 χ^2/NDF: 123341496667.3/20

All: -0.761+/-0.000 χ^2/NDF: 261504241582.5

- sign -0.839+/-0.000 χ^2/NDF: 134837285114.9/21

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

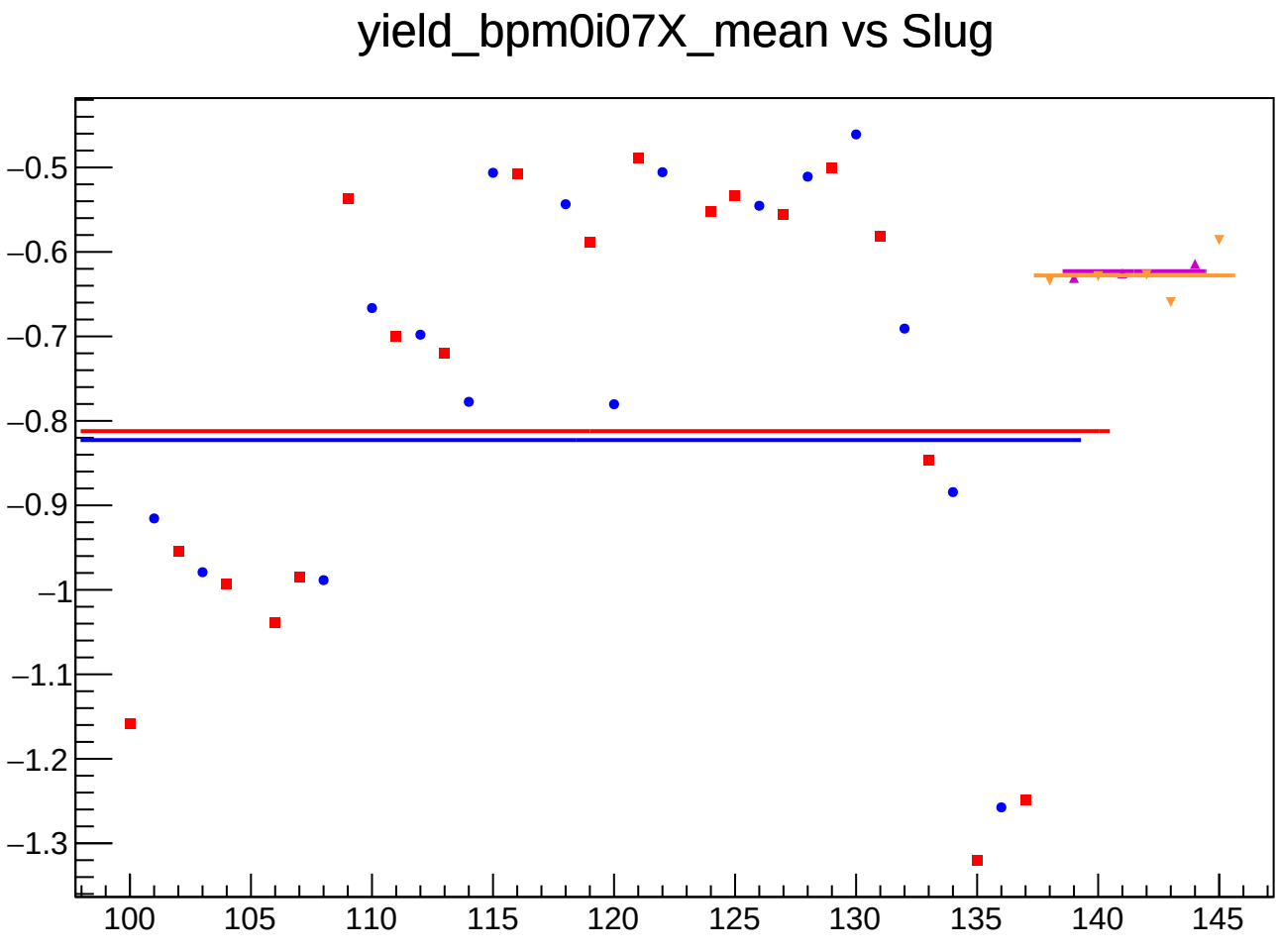
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:26421.0/2

+ sign 0.005+/-0.000 χ^2/NDF: 1556197.0/20

All: 0.005+/-0.000 χ^2/NDF: 2726373.7/42

- sign 0.005+/-0.000 χ^2/NDF: 1166604.0/21



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

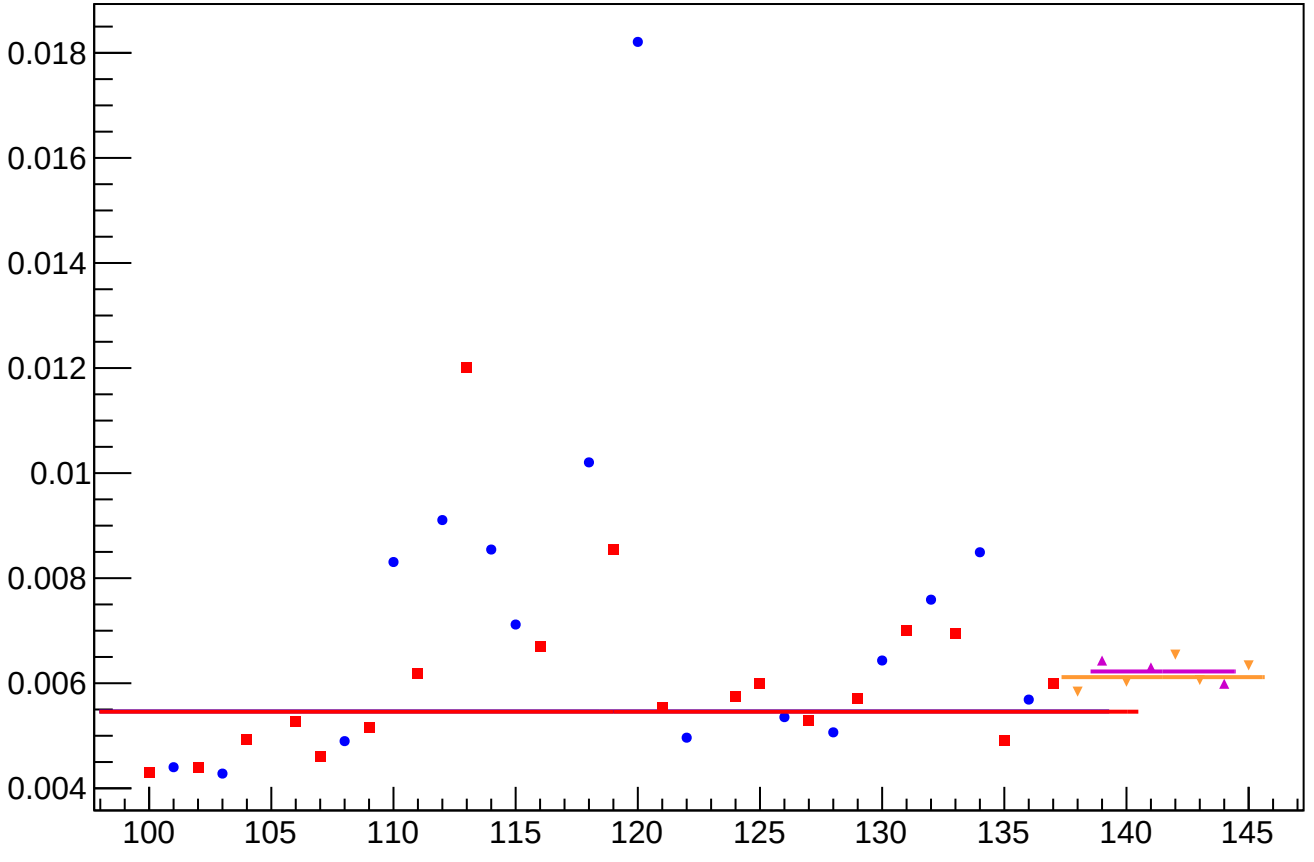
Left In: -0.623+/-0.000 χ^2/NDF:2981283.3/2

+ sign -0.761+/-0.000 χ^2/NDF: 14481144306.1/20

All: -0.765+/-0.000 χ^2/NDF: 30985064961.8/

- sign -0.768+/-0.000 χ^2/NDF: 16497476491.8/21

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

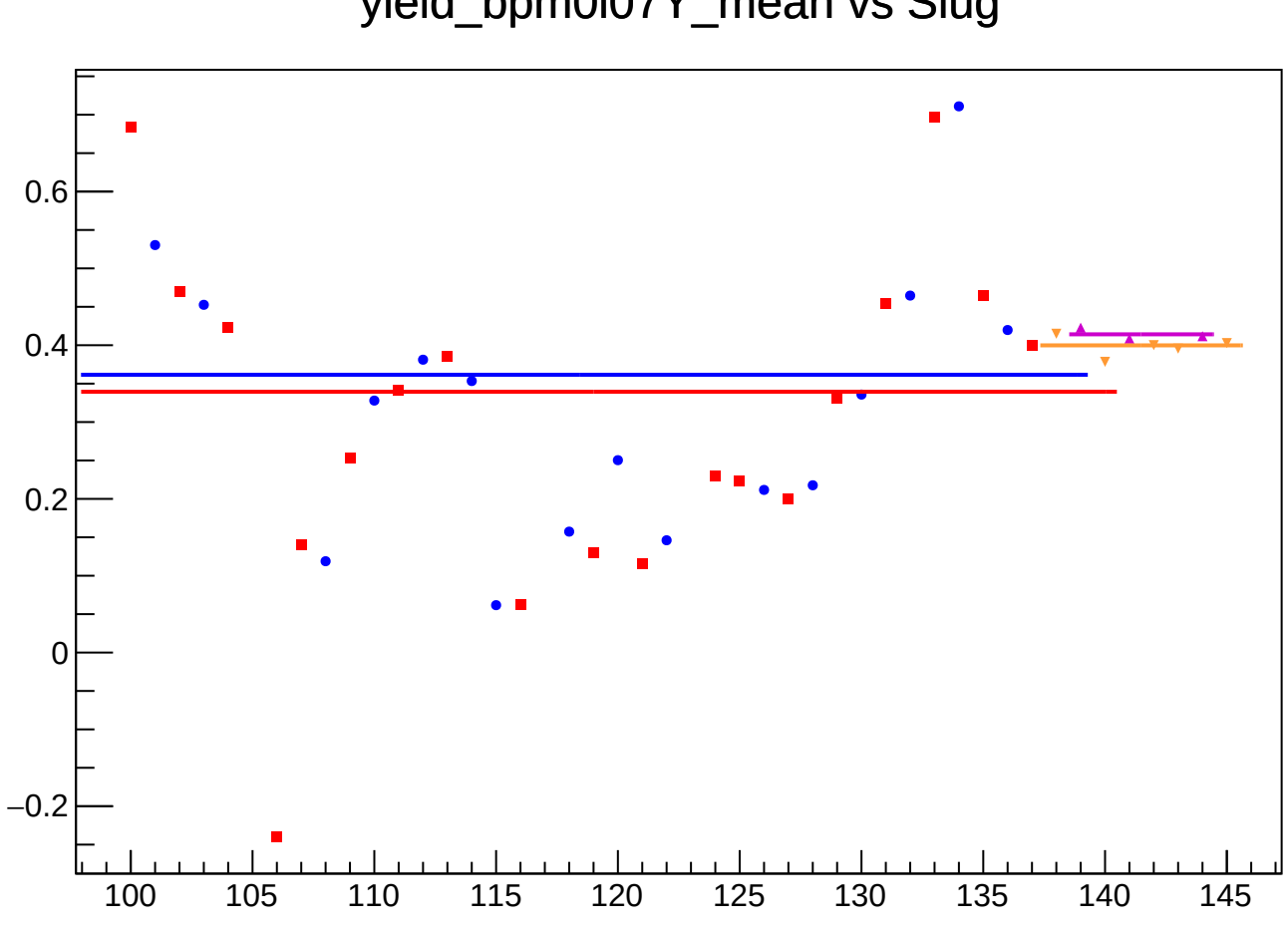
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:4222.5/2

+ sign 0.006+/-0.000 χ^2/NDF: 1019351.0/20

All: 0.006+/-0.000 χ^2/NDF: 1586258.9/42

- sign 0.006+/-0.000 χ^2/NDF: 566611.5/21



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

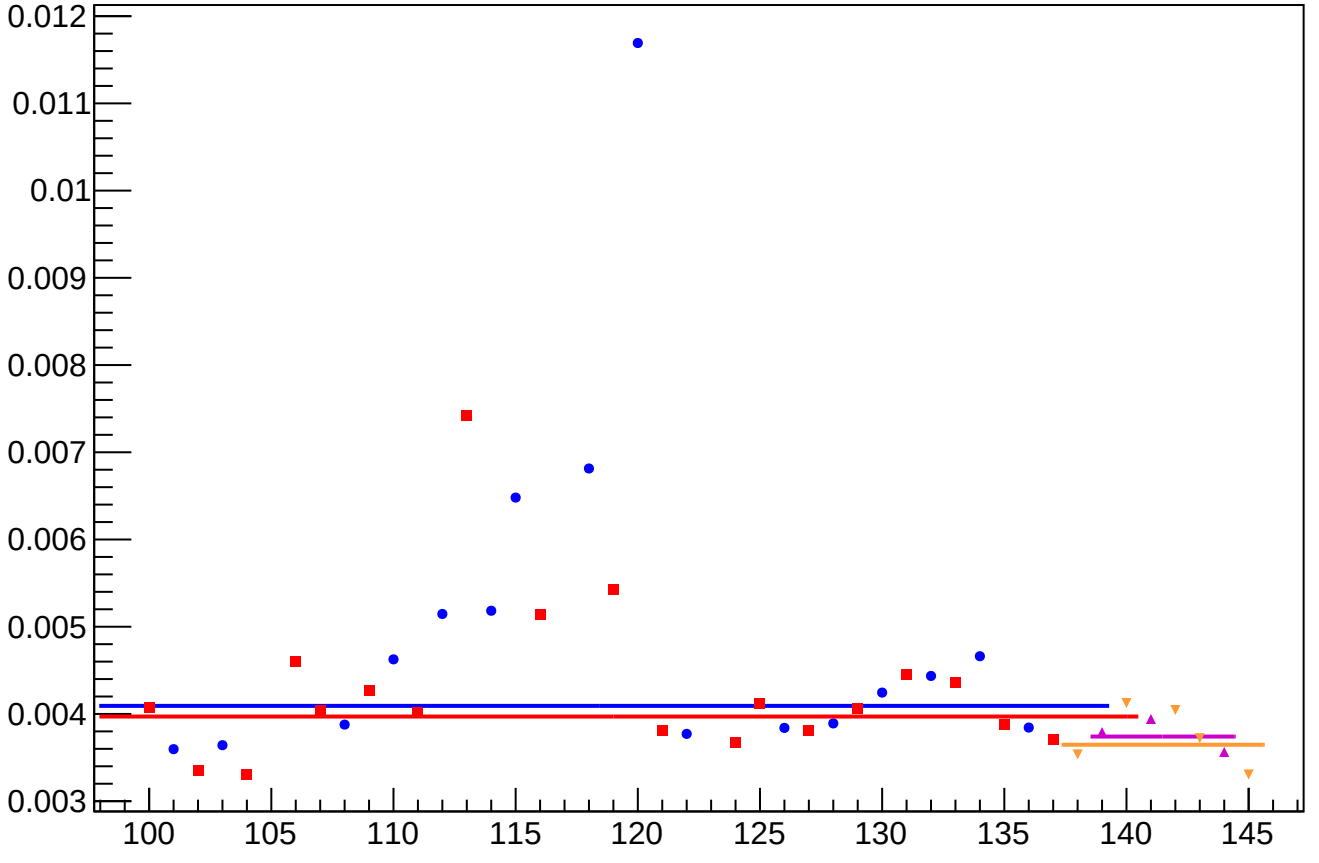
Left In: 0.414+/-0.000 χ^2/NDF:4262065.9/2

+ sign 0.374+/-0.000 χ^2/NDF: 8980787110.9/20

All: 0.366+/-0.000 χ^2/NDF: 21671906414.6/4

- sign 0.357+/-0.000 χ^2/NDF: 12609226161.1/21

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

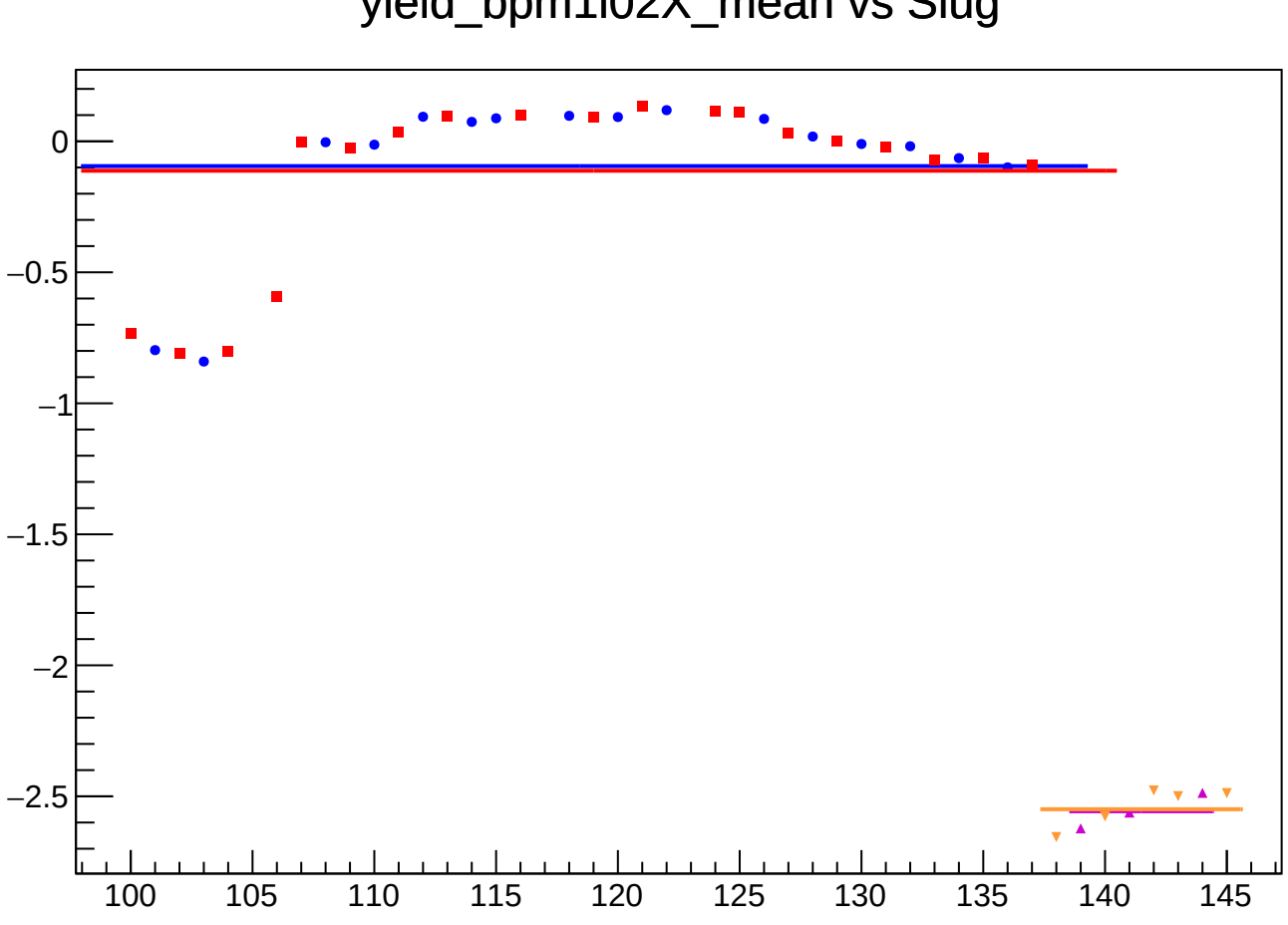
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:6305.4/2

+ sign 0.004+/-0.000 χ^2/NDF: 574872.5/20

All: 0.004+/-0.000 χ^2/NDF: 905315.8/42

- sign 0.004+/-0.000 χ^2/NDF: 330071.2/21



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

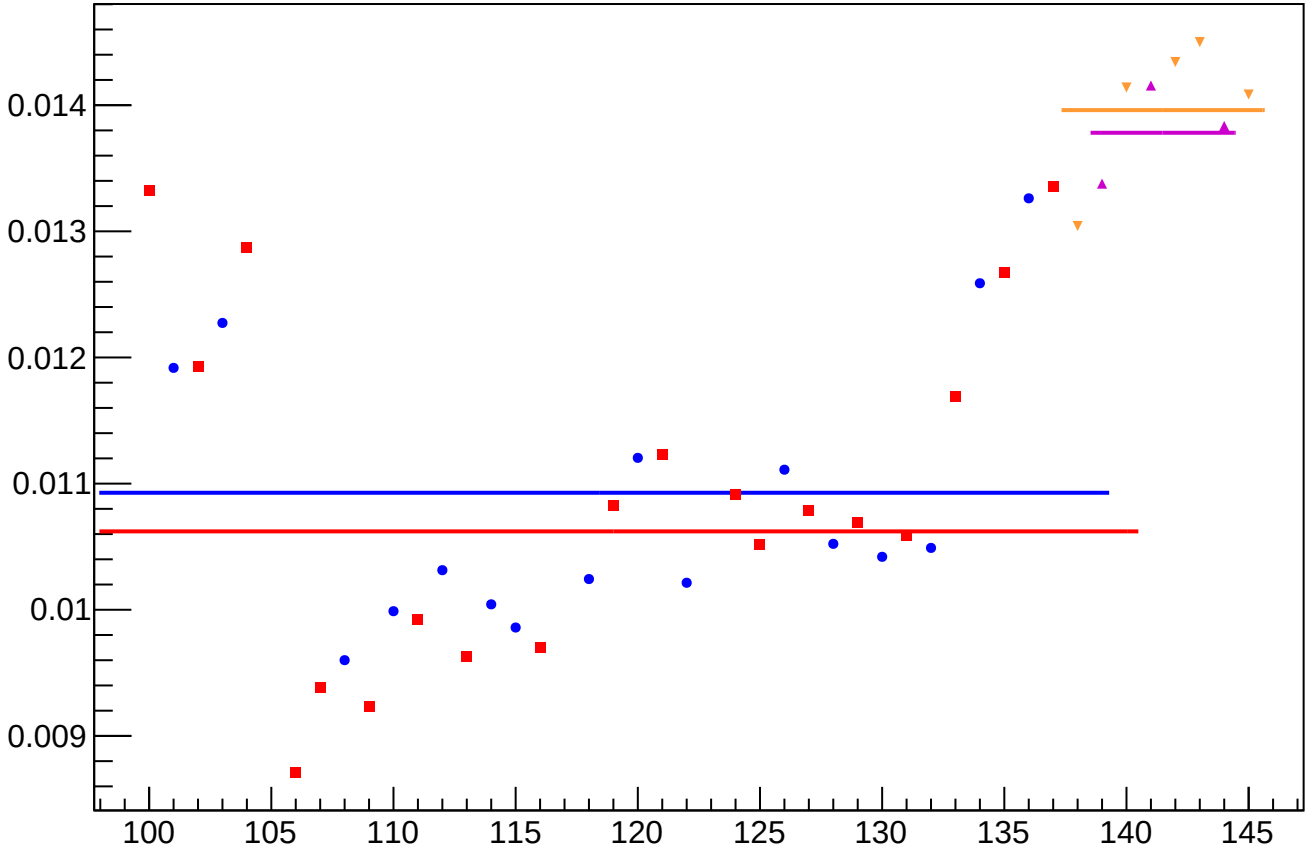
Left In: -2.557+/-0.000 χ^2/NDF:43233923.3/2

+ sign -0.681+/-0.000 χ^2/NDF: 91379303916.2/20

All: -0.609+/-0.000 χ^2/NDF: 166394569625.

- sign -0.538+/-0.000 χ^2/NDF: 74211973023.4/21

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

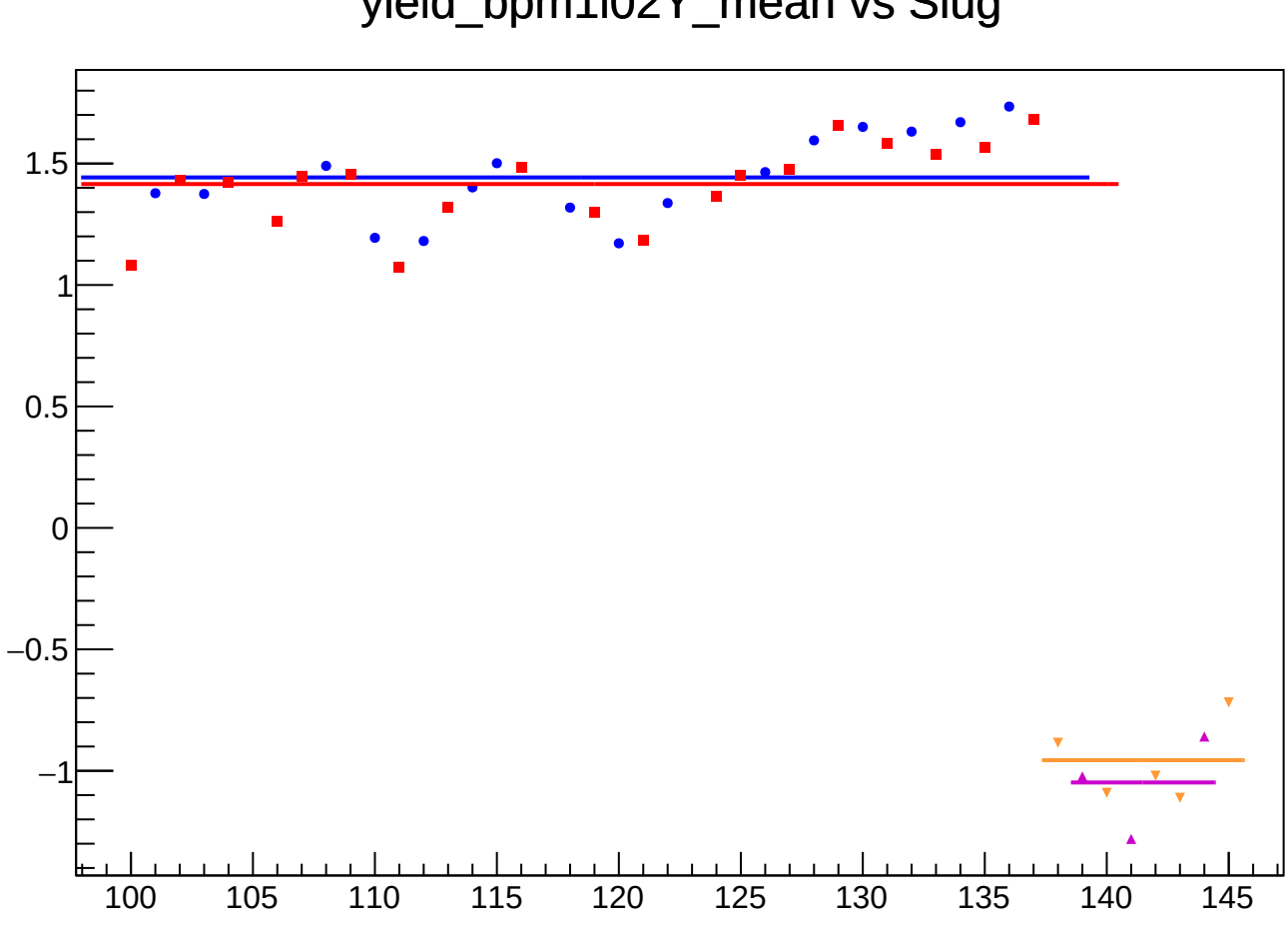
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.014+/-0.000 χ^2/NDF:2791.2/2

+ sign 0.012+/-0.000 χ^2/NDF: 409366.9/20

All: 0.011+/-0.000 χ^2/NDF: 847971.2/42

- sign 0.011+/-0.000 χ^2/NDF: 420445.0/21



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

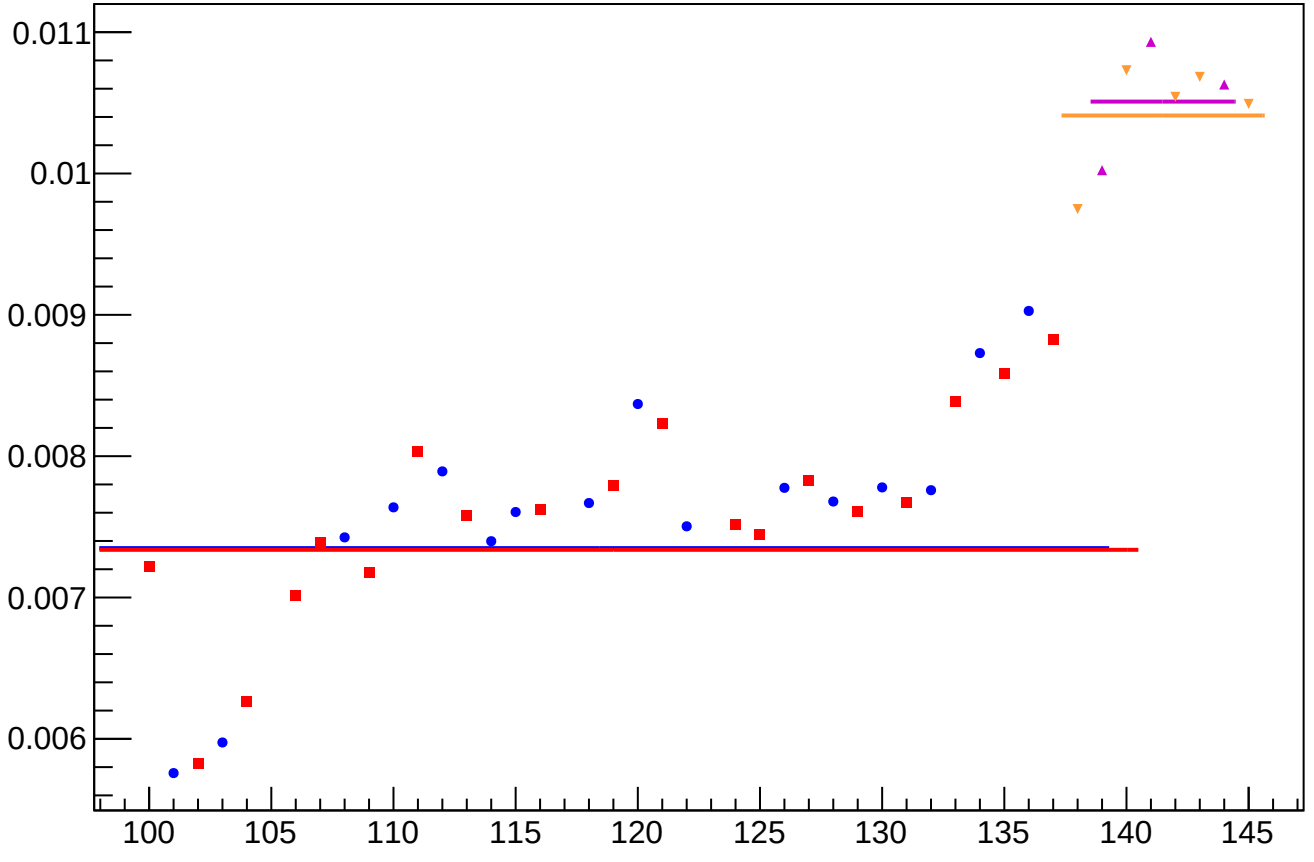
Left In: -1.048+/-0.000 χ^2/NDF:687271661.2/2

\+ sign 0.949+/-0.000 χ^2/NDF: 159356777818.1/20

All: 1.000+/-0.000 χ^2/NDF: 286460662524.3

\- sign 1.052+/-0.000 χ^2/NDF: 126255464302.9/21

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

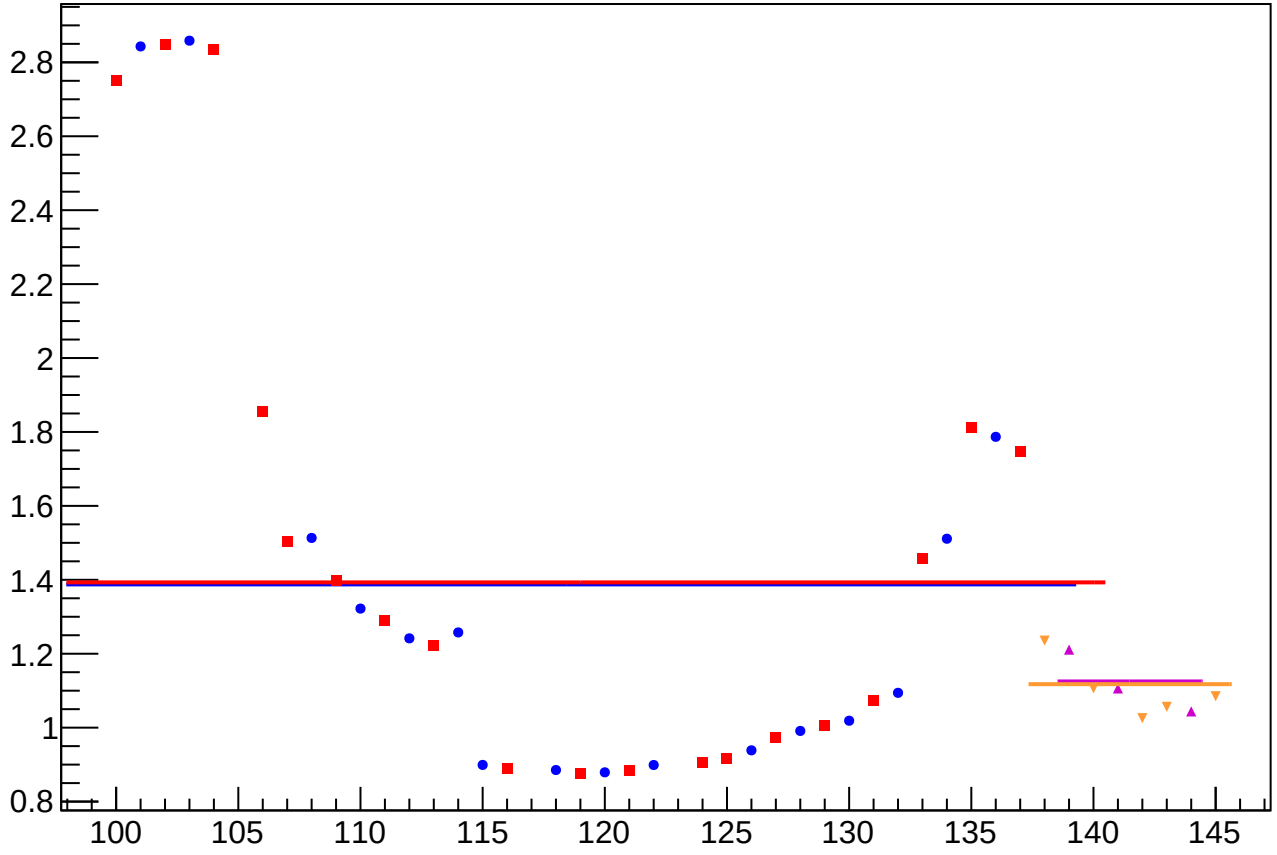
Left In: 0.011+/-0.000 χ^2/NDF:6828.4/2

+ sign 0.008+/-0.000 χ^2/NDF: 785003.8/20

All: 0.008+/-0.000 χ^2/NDF: 1398946.2/42

- sign 0.008+/-0.000 χ^2/NDF: 609081.7/21

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

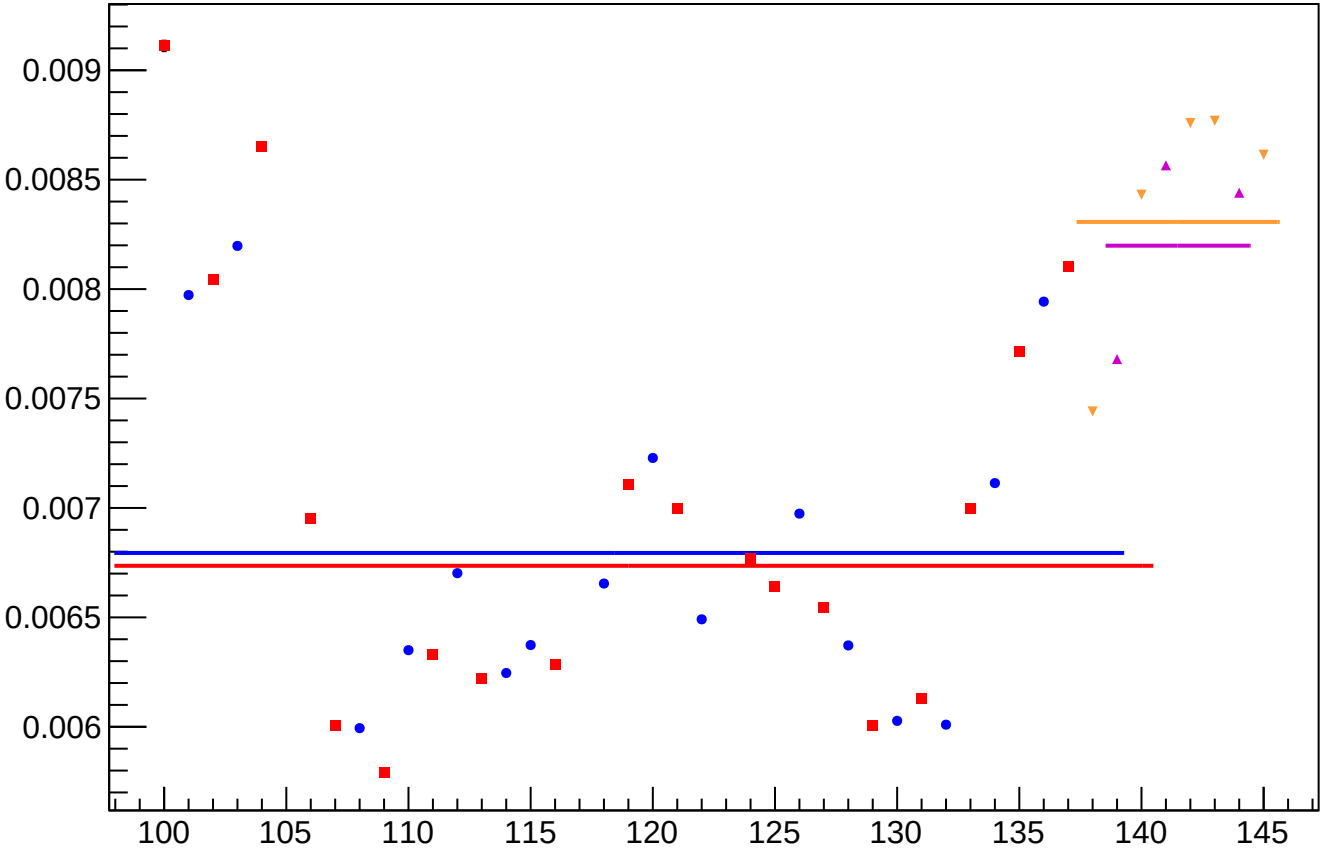
Left In: 1.125+/-0.000 χ^2/NDF:190328691.7/2

+ sign 1.320+/-0.000 χ^2/NDF: 61722959284.6/20

All: 1.331+/-0.000 χ^2/NDF: 119560484393.5

- sign 1.342+/-0.000 χ^2/NDF: 57788585470.4/21

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

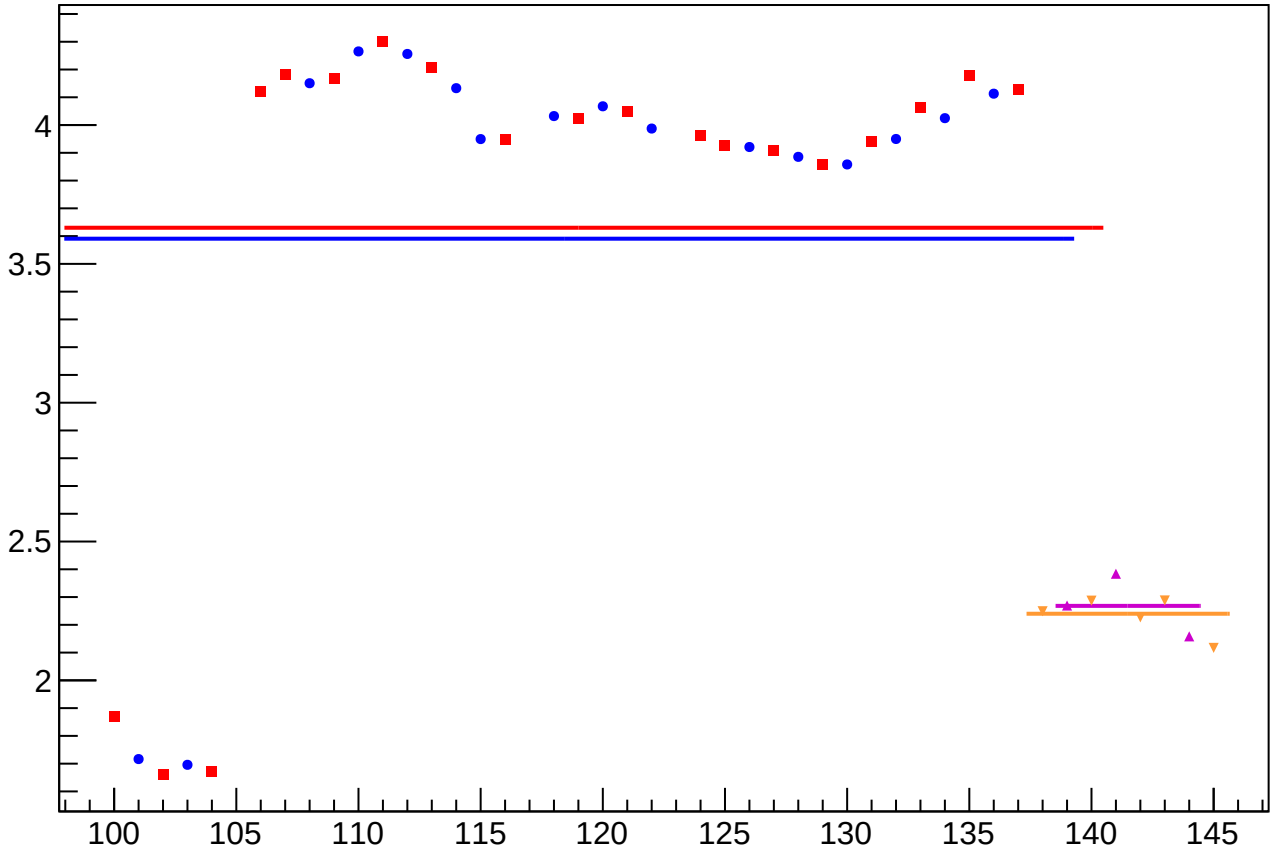
Left In: 0.008+/-0.000 χ^2/NDF:12280.0/2

+ sign 0.007+/-0.000 χ^2/NDF: 371233.6/20

All: 0.007+/-0.000 χ^2/NDF: 720078.4/42

- sign 0.007+/-0.000 χ^2/NDF: 343724.1/21

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

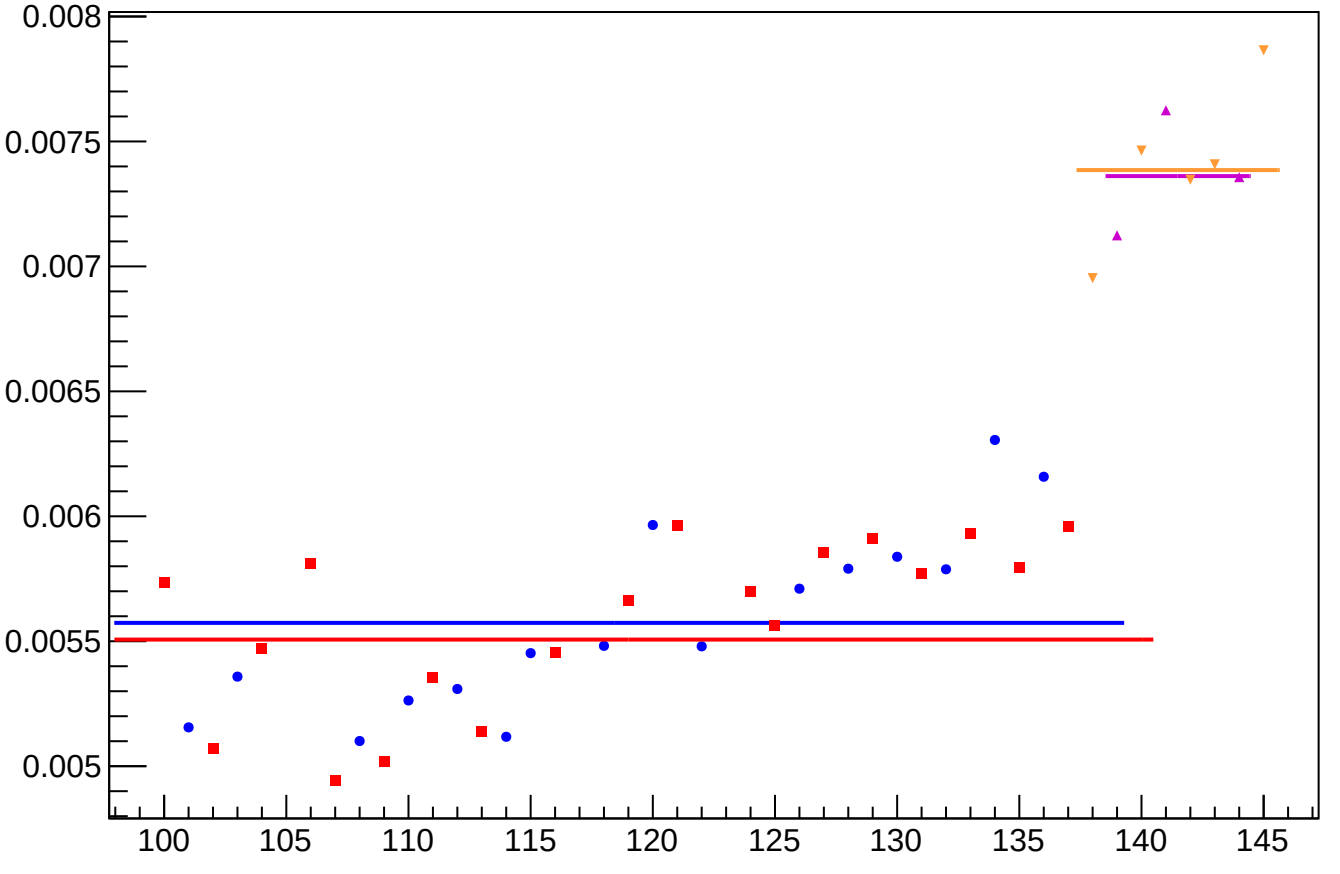
Left In: 2.268+/-0.000 χ^2/NDF:397999855.1/2

+ sign 3.293+/-0.000 χ^2/NDF: 295349219681.9/20

All: 3.348+/-0.000 χ^2/NDF: 584255041519.5

- sign 3.404+/-0.000 χ^2/NDF: 287083743146.7/21

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

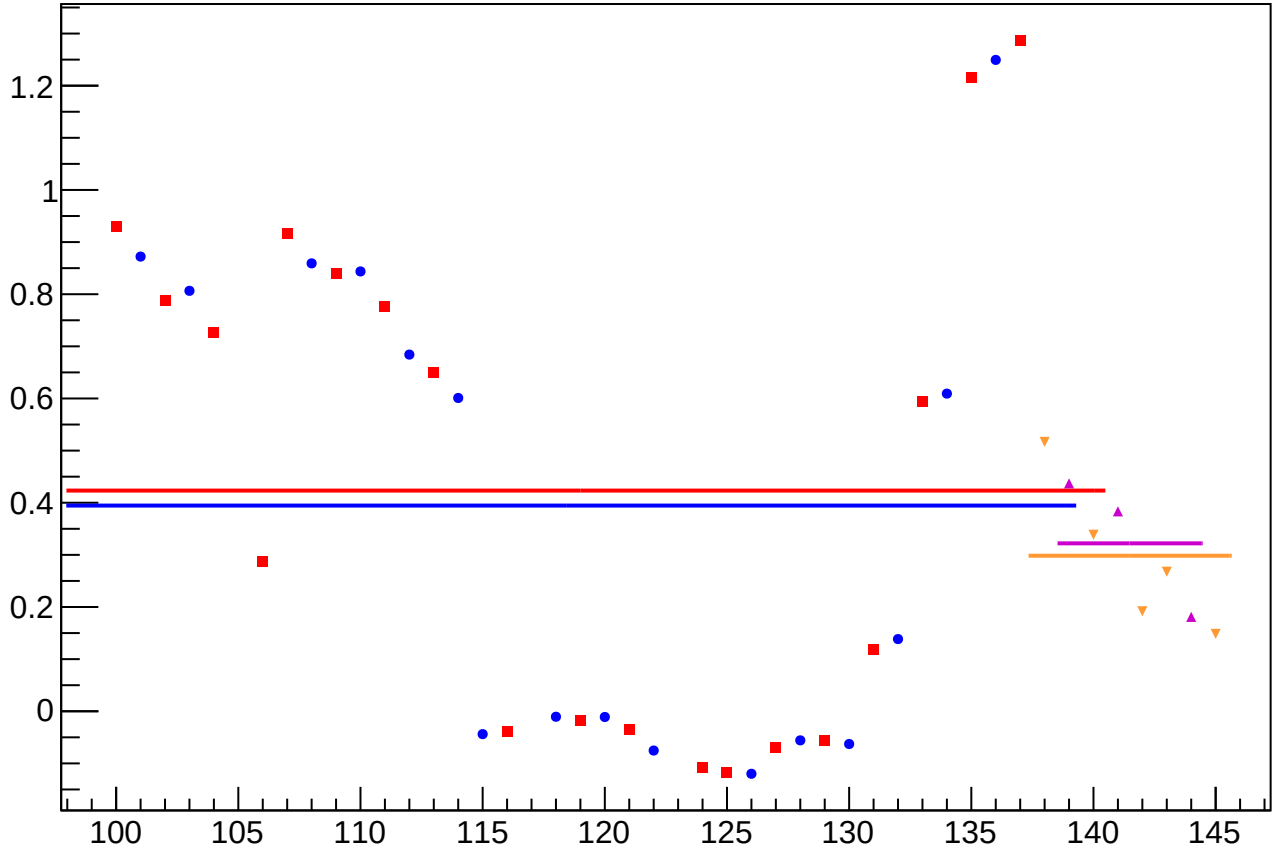
Left In: 0.007+/-0.000 χ^2/NDF:3965.0/2

+ sign 0.006+/-0.000 χ^2/NDF: 405051.2/20

All: 0.006+/-0.000 χ^2/NDF: 748695.0/42

- sign 0.006+/-0.000 χ^2/NDF: 336243.3/21

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

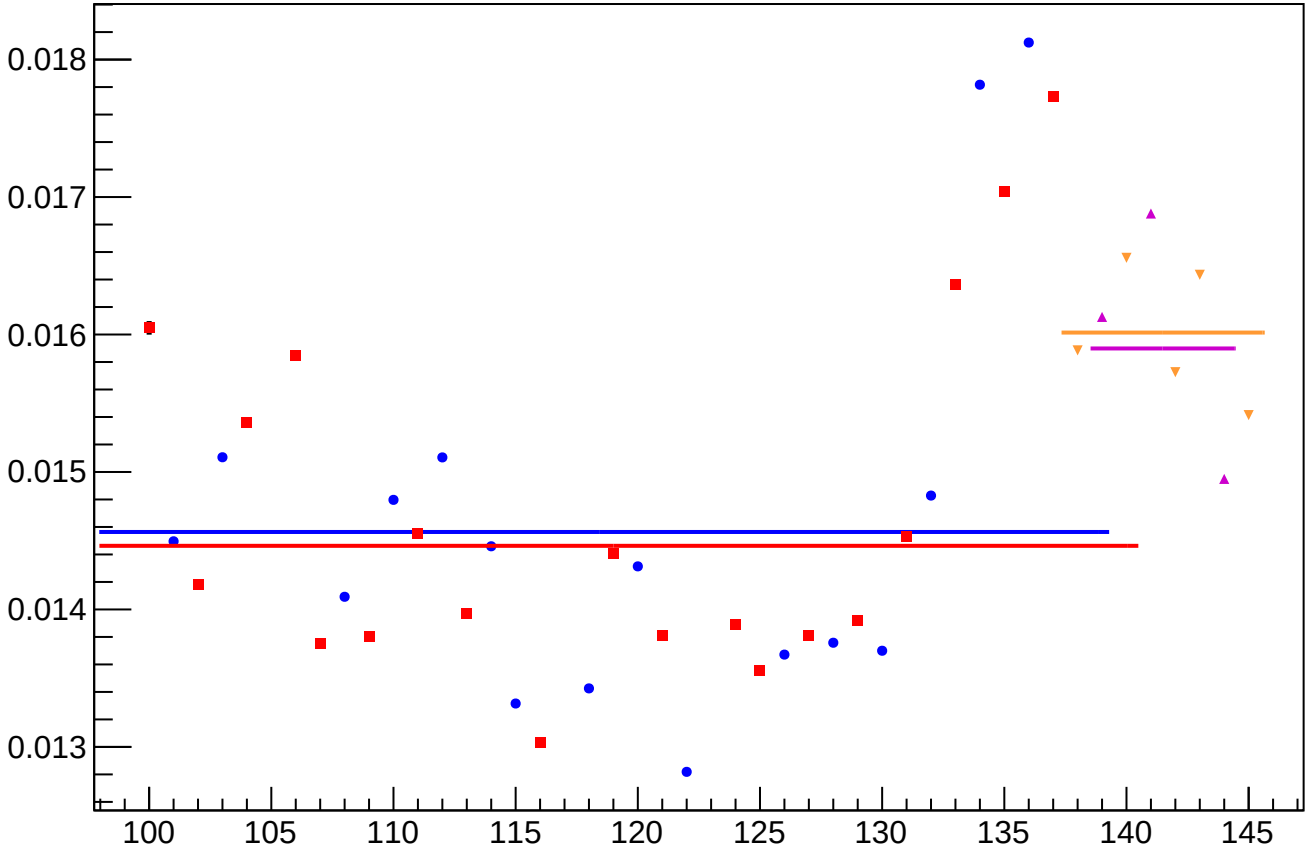
Left In: 0.322+/-0.000 χ^2/NDF:133467264.9/2

+ sign 0.366+/-0.000 χ^2/NDF: 7751443894.8/20

All: 0.383+/-0.000 χ^2/NDF: 14897596875.4/4

- sign 0.400+/-0.000 χ^2/NDF: 7118930431.9/21

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

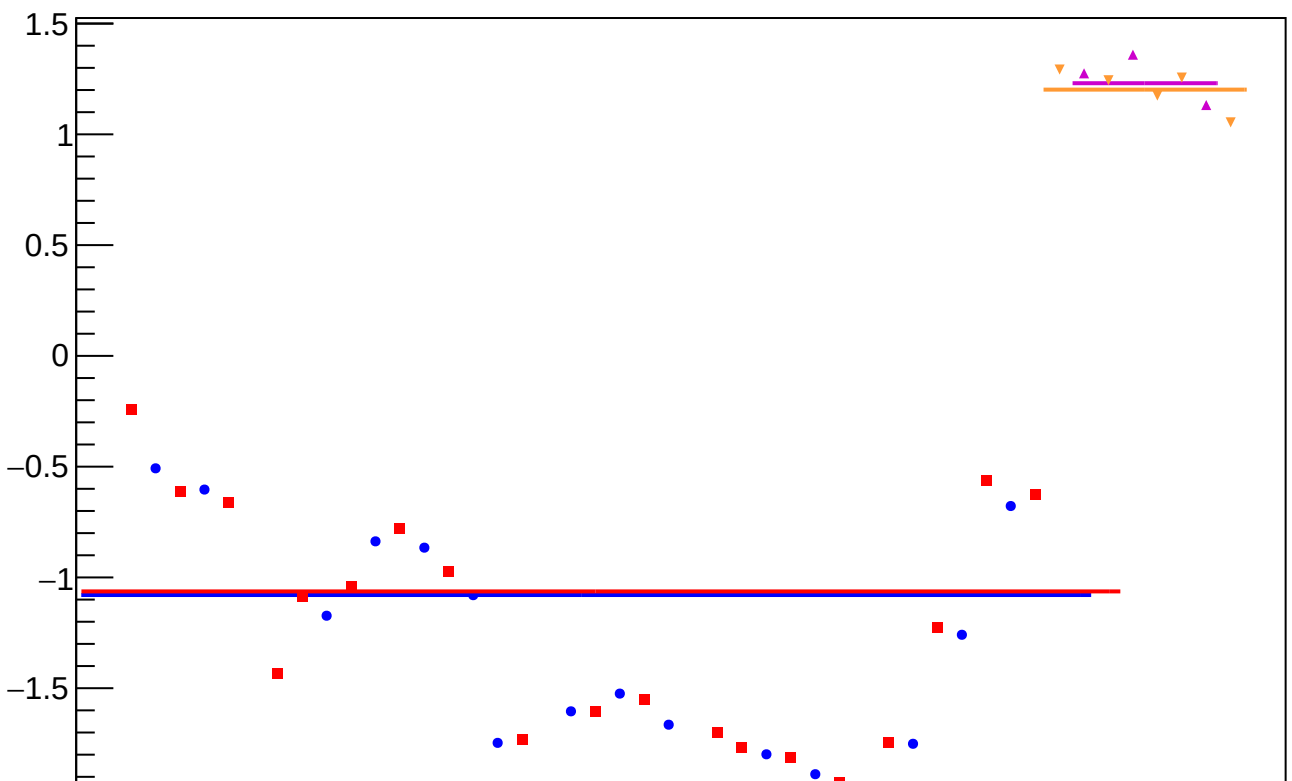
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:13453.9/2

+ sign 0.015+/-0.000 χ^2/NDF: 180659.6/20

All: 0.015+/-0.000 χ^2/NDF: 306204.0/42

- sign 0.015+/-0.000 χ^2/NDF: 123607.5/21



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

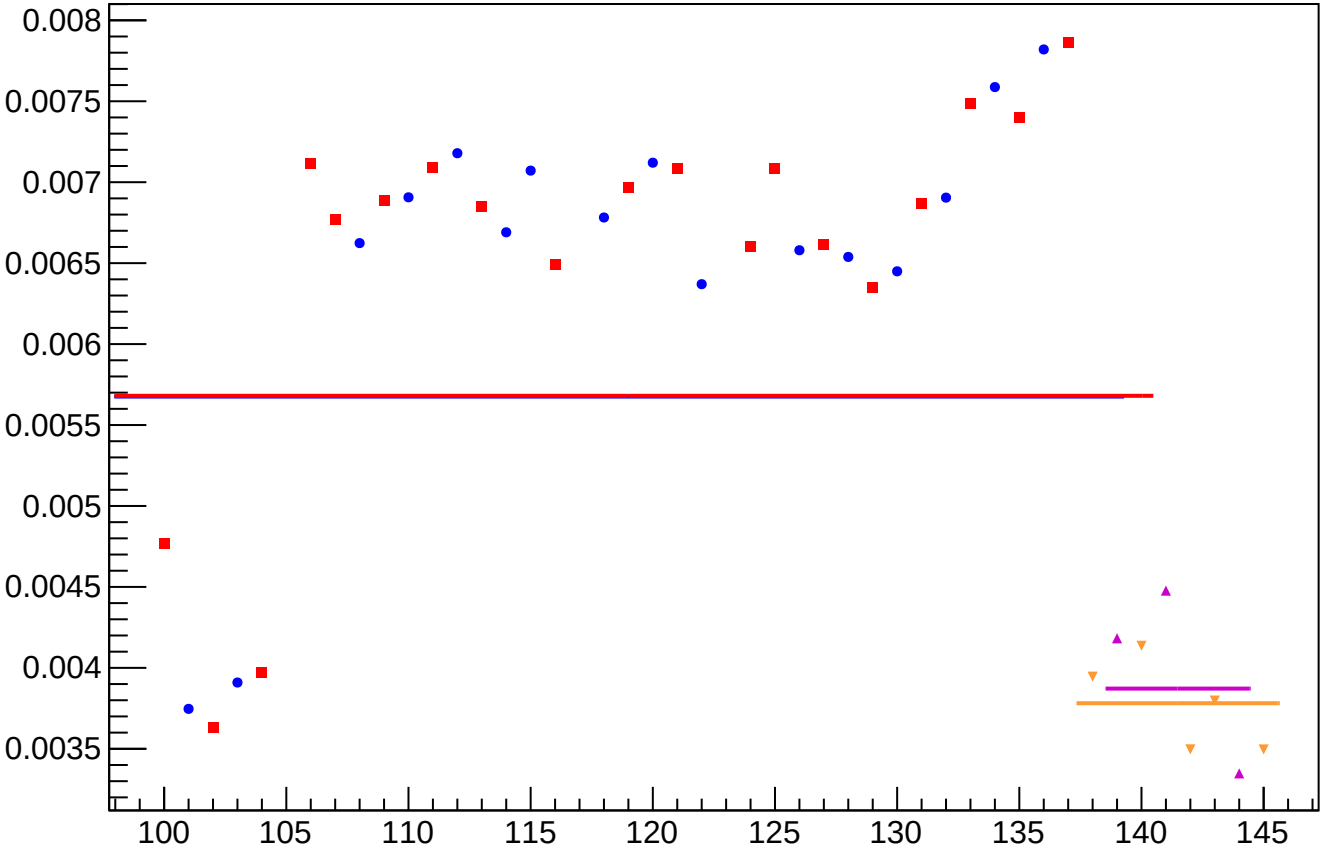
Left In: 1.231+/-0.000 χ^2/NDF:1507368178.4/2

+ sign 0.163+/-0.000 χ^2/NDF: 621786171469.0/20

All: 0.073+/-0.000 χ^2/NDF: 1152338081976.

- sign -0.035+/-0.000 χ^2/NDF: 522833767338.4/21

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

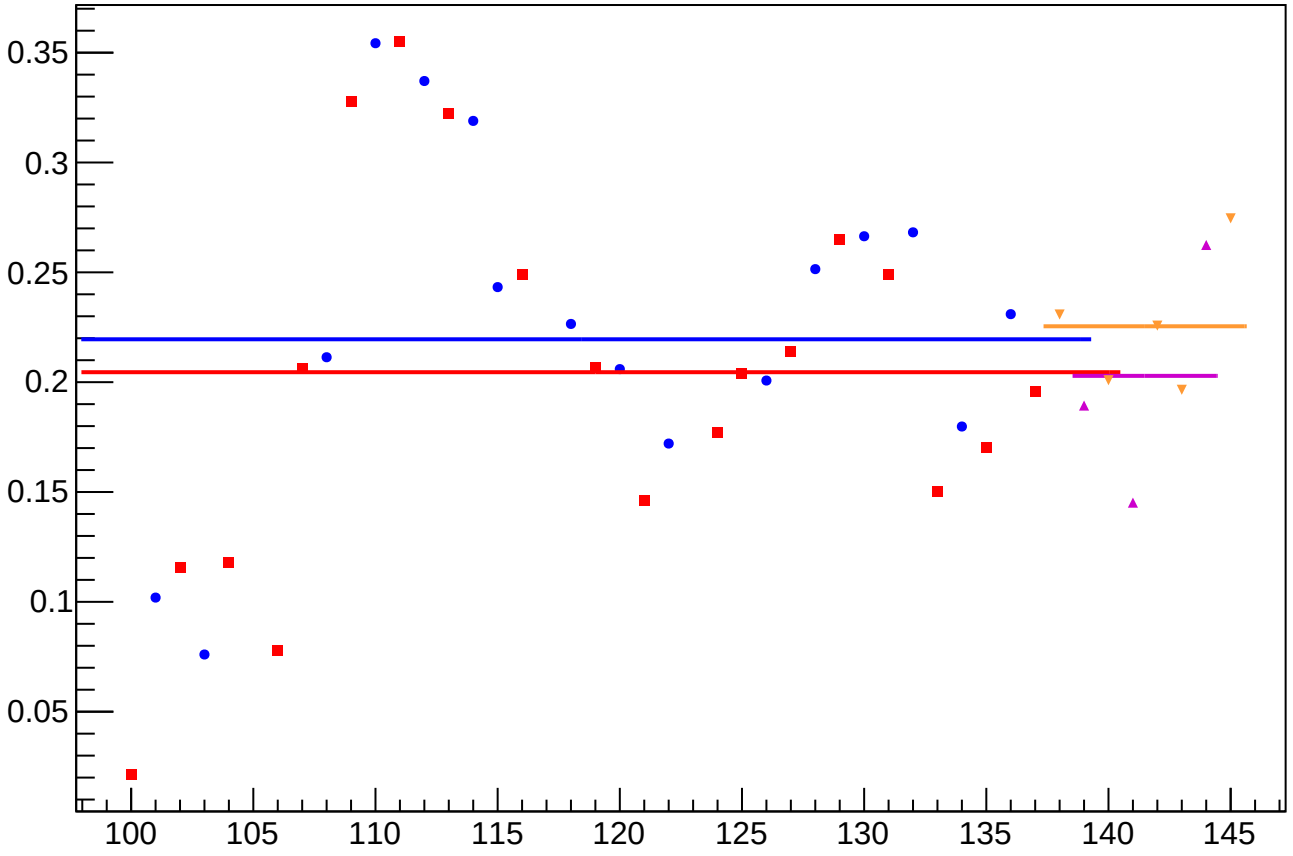
Left In: 0.004+/-0.000 χ^2/NDF:80445.7/2

+ sign 0.005+/-0.000 χ^2/NDF: 1746217.4/20

All: 0.005+/-0.000 χ^2/NDF: 3413470.8/42

- sign 0.005+/-0.000 χ^2/NDF: 1647185.9/21

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

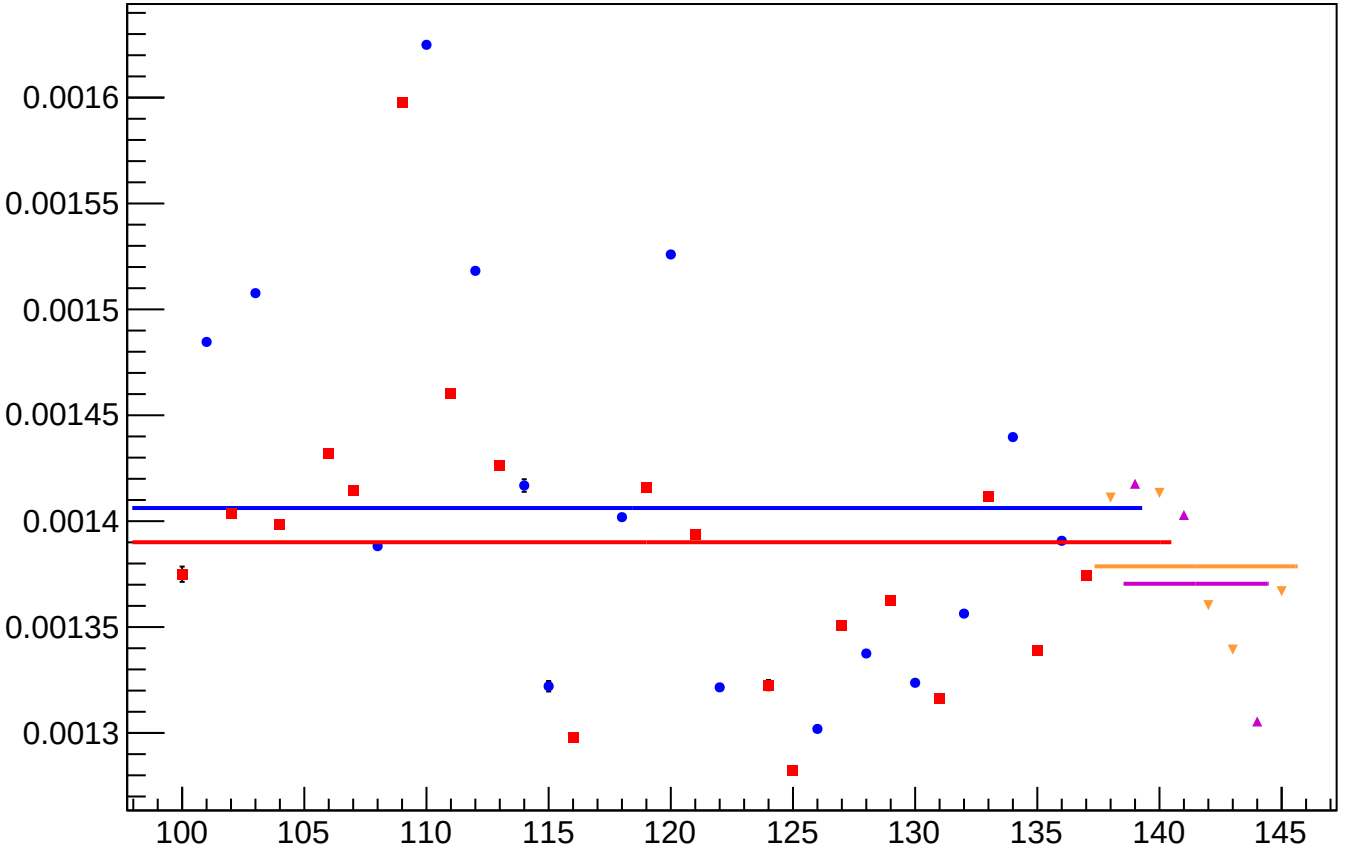
Left In: 0.203+/-0.000 χ^2/NDF:3435259545.3/2

+ sign 0.222+/-0.000 χ^2/NDF: 18456846287.3/20

All: 0.213+/-0.000 χ^2/NDF: 45023014555.5/4

- sign 0.204+/-0.000 χ^2/NDF: 25750461954.5/21

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

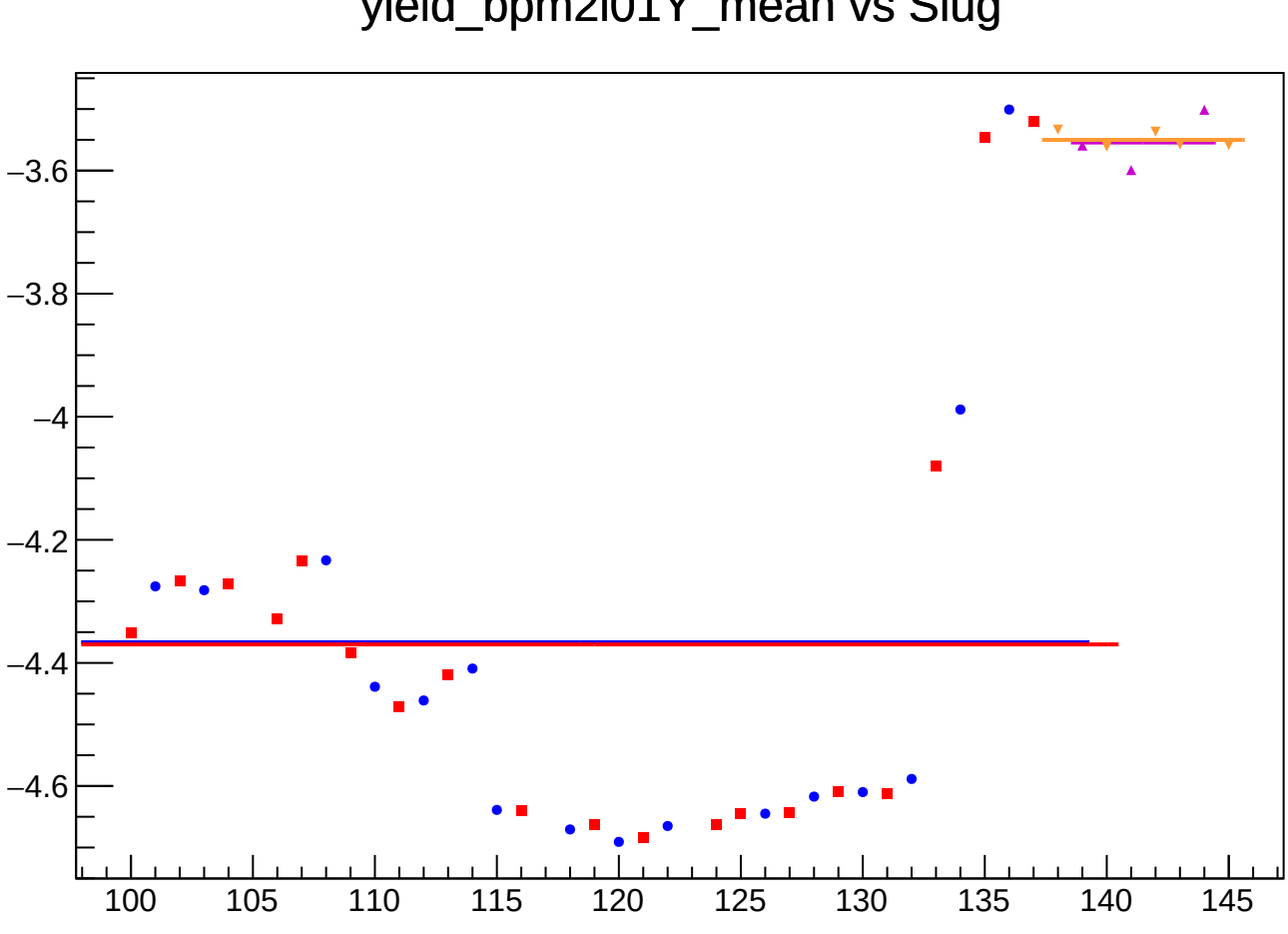
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:7265.9/2

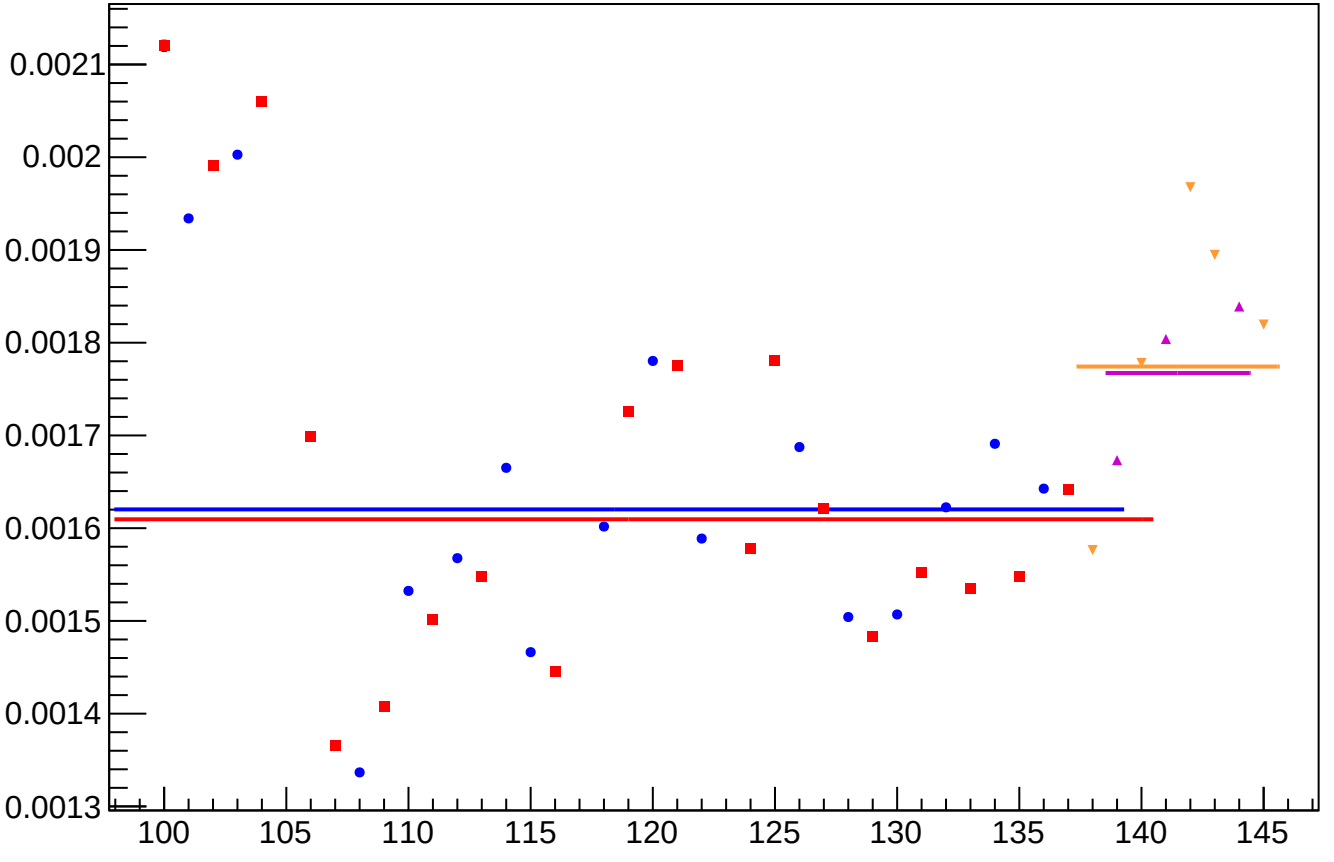
+ sign 0.001+/-0.000 χ^2/NDF: 53592.4/20

All: 0.001+/-0.000 χ^2/NDF: 97148.0/42

- sign 0.001+/-0.000 χ^2/NDF: 42835.8/21


yield_bpm2i01Y_mean vs Slug
−3.6
−3.8
−4
−4.2
−4.4
−4.6
100
105
110
115
120
125
130
135
140
145
Right In: -4.367+/-0.000 χ²/NDF: 353013303743.6/15
Left Out: -3.550+/-0.000 χ²/NDF:157958390.4/4
Right Out: -4.370+/-0.000 χ²/NDF: 296136368274.3/18
Left In: -3.554+/-0.000 χ²/NDF:1227232308.7/2
+ sign -4.127+/-0.000 χ²/NDF: 866058848409.6/20
All: -4.156+/-0.000 χ²/NDF: 1581280576000
- sign -4.186+/-0.000 χ²/NDF: 708741716696.1/21

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

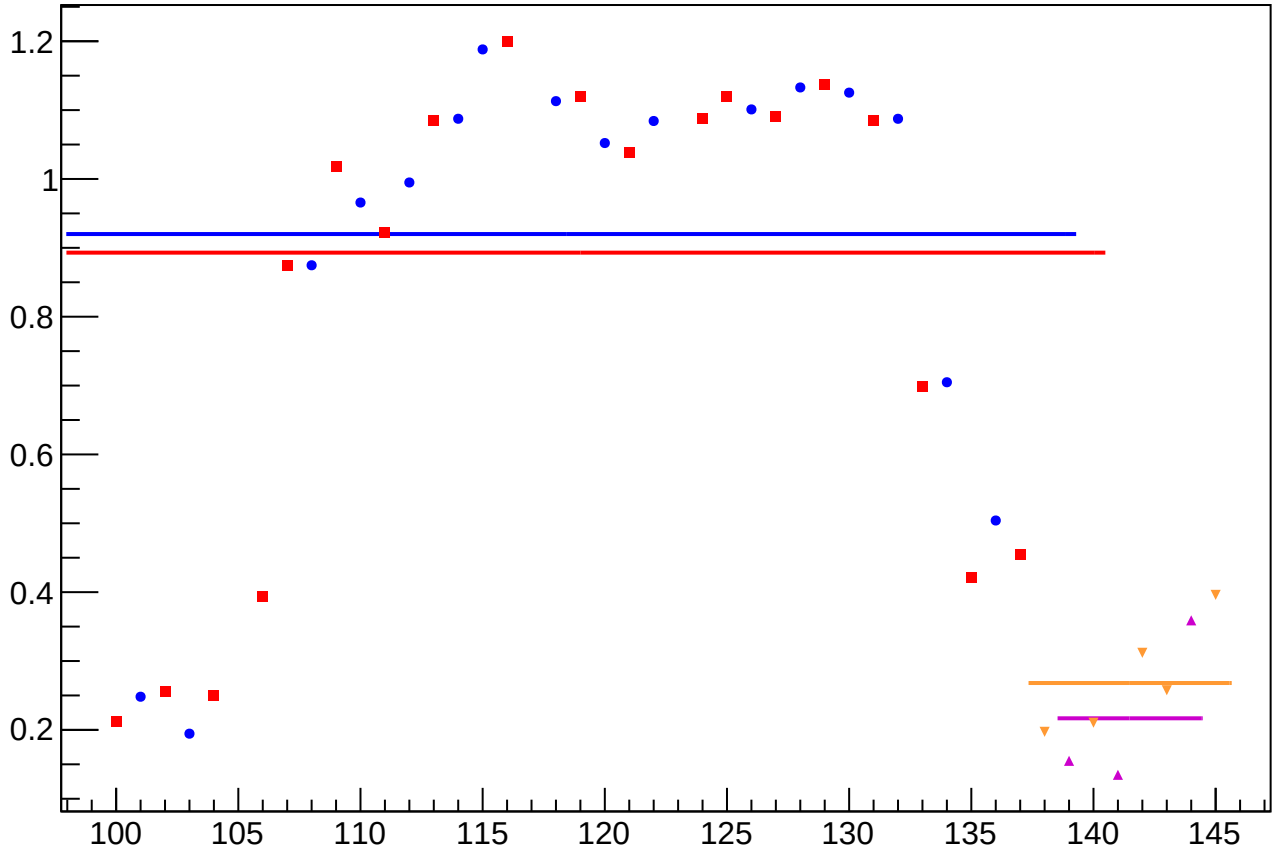
Left In: 0.002+/-0.000 χ^2/NDF:8367.7/2

+ sign 0.002+/-0.000 χ^2/NDF: 214666.0/20

All: 0.002+/-0.000 χ^2/NDF: 440289.4/42

- sign 0.002+/-0.000 χ^2/NDF: 224109.9/21

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

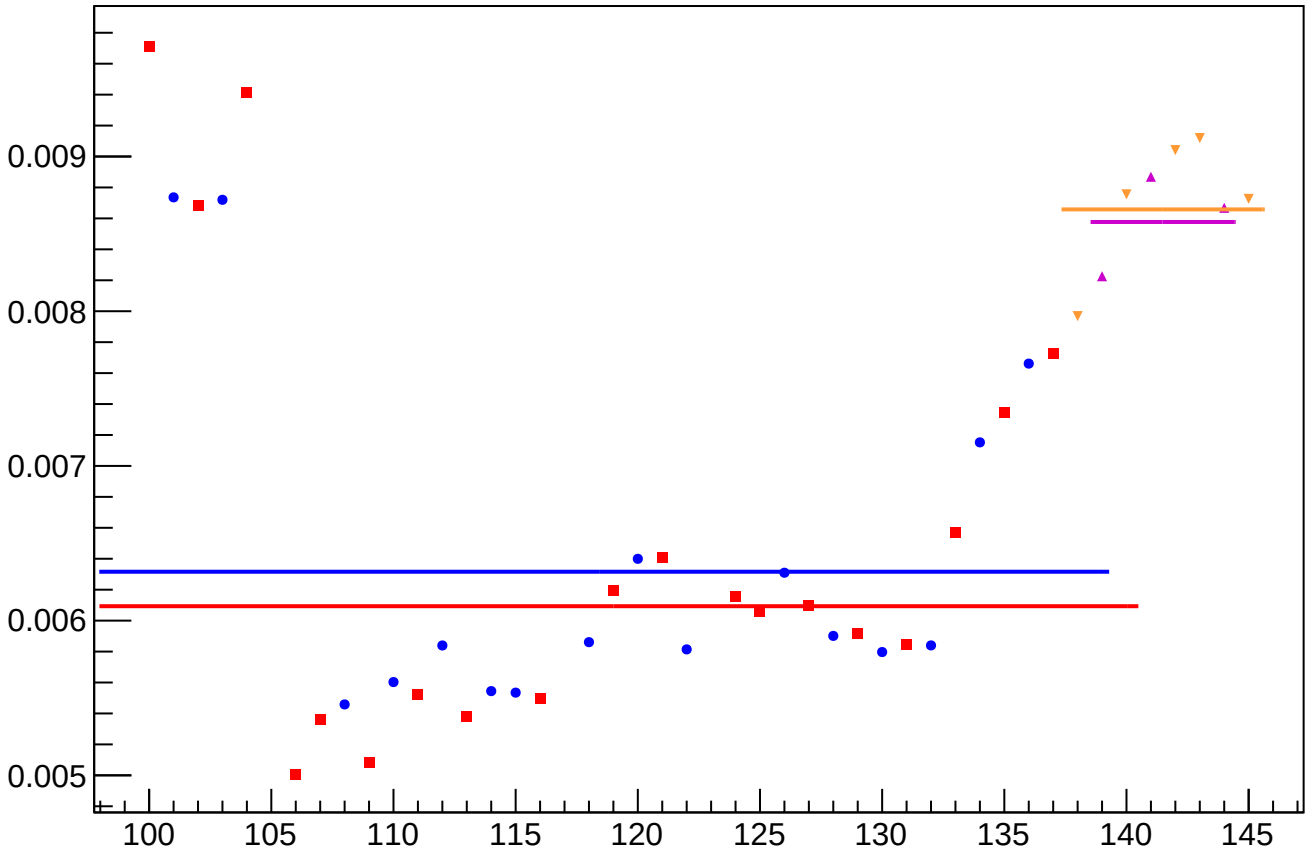
Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.217+/-0.000 χ^2/NDF:362911168.9/2

+ sign 0.779+/-0.000 χ^2/NDF: 31017834198.6/20

All: 0.784+/-0.000 χ^2/NDF: 62776439151.6/4

- sign 0.789+/-0.000 χ^2/NDF: 31746993204.5/21



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:17475.3/4

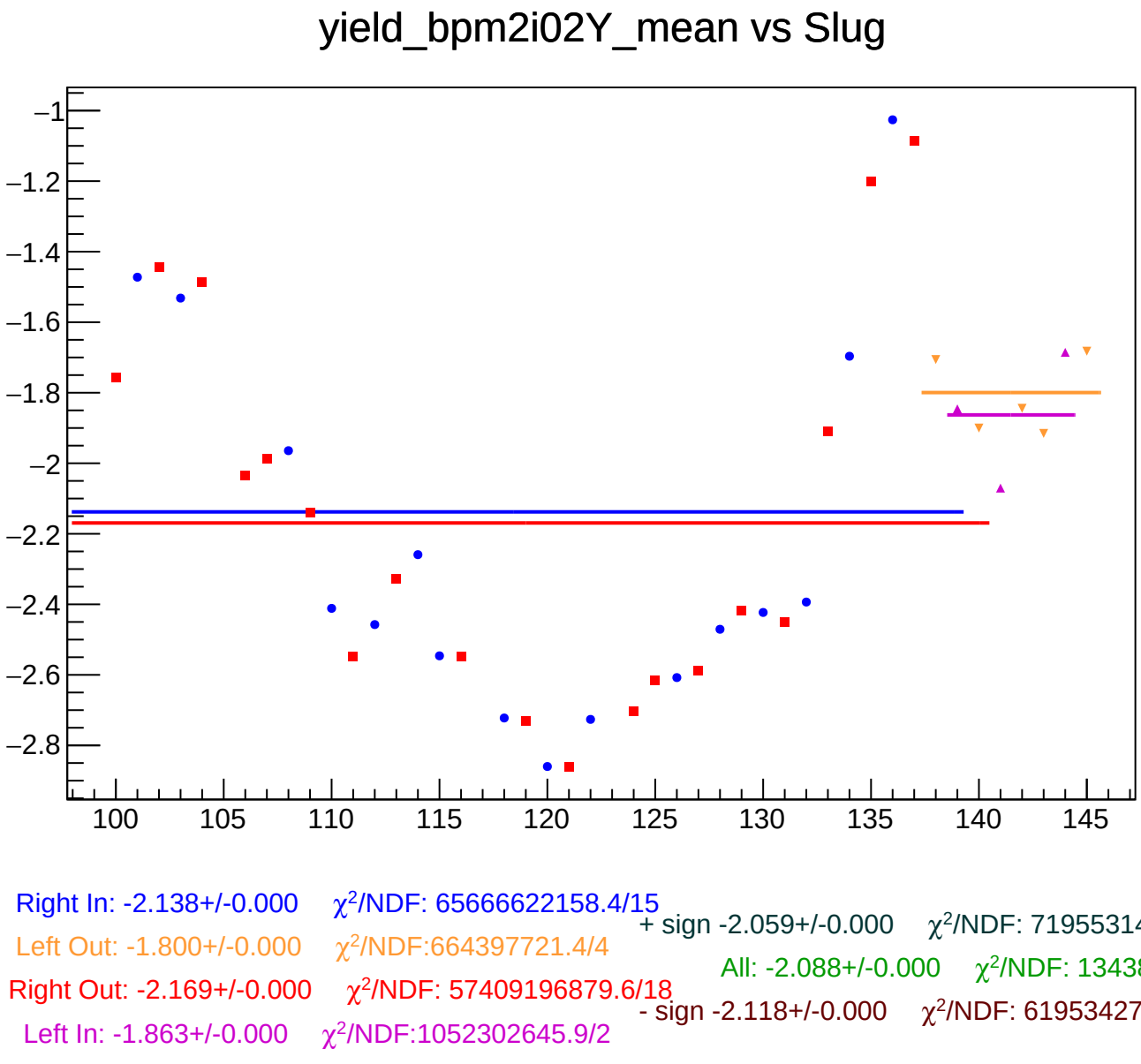
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:5177.1/2

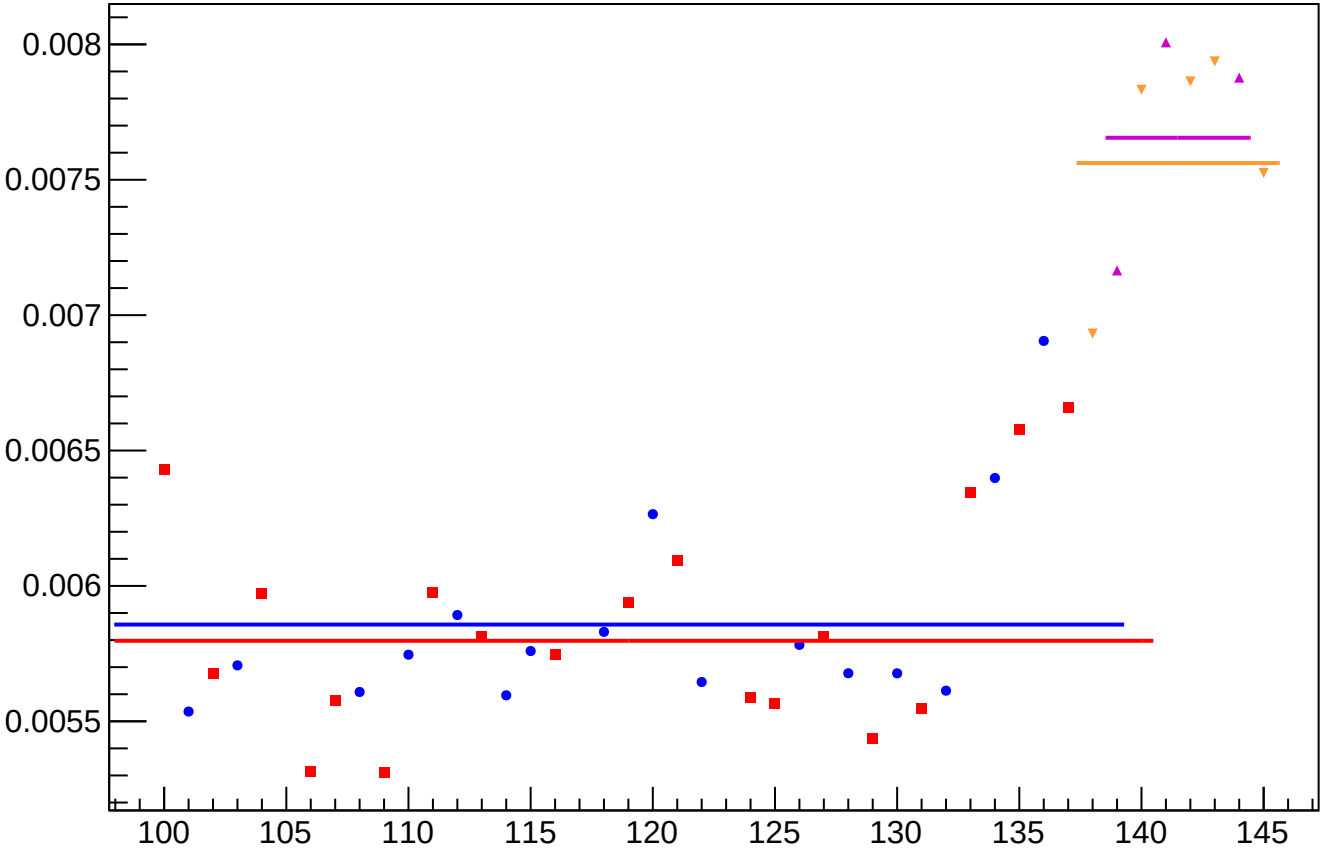
+ sign 0.007+/-0.000 χ^2/NDF: 770552.8/20

All: 0.007+/-0.000 χ^2/NDF: 1609971.2/42

- sign 0.006+/-0.000 χ^2/NDF: 811893.7/21


yield_bpm2i02Y_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
105
110
115
120
125
130
135
140
145
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -1.800+/-0.000 χ²/NDF:664397721.4/4
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -1.863+/-0.000 χ²/NDF:1052302645.9/2
+ sign -2.059+/-0.000 χ²/NDF: 71955314181.1/20
All: -2.088+/-0.000 χ²/NDF: 134383919993.5
- sign -2.118+/-0.000 χ²/NDF: 61953427974.5/21

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

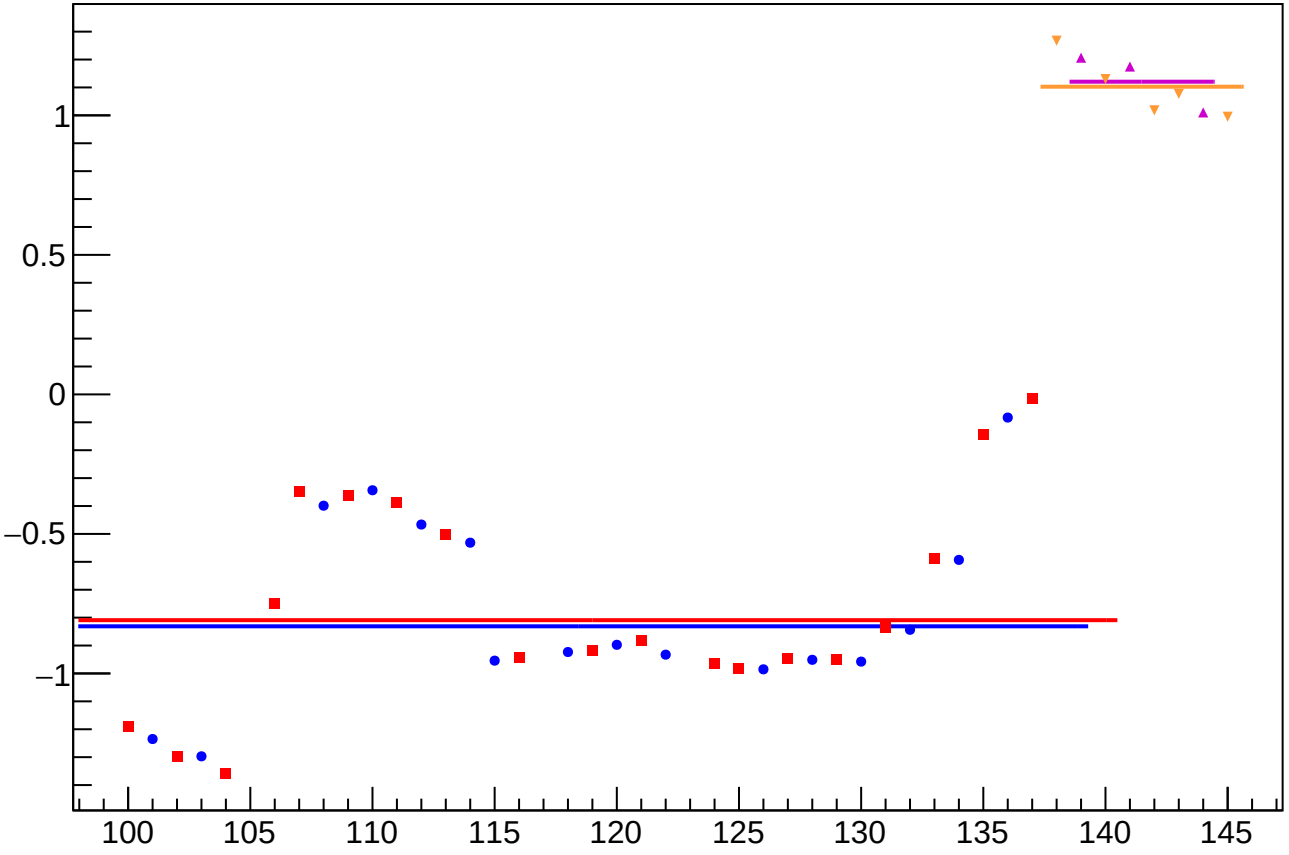
Left In: 0.008+/-0.000 χ^2/NDF:12744.6/2

+ sign 0.006+/-0.000 χ^2/NDF: 367187.9/20

All: 0.006+/-0.000 χ^2/NDF: 698945.9/42

- sign 0.006+/-0.000 χ^2/NDF: 325850.7/21

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

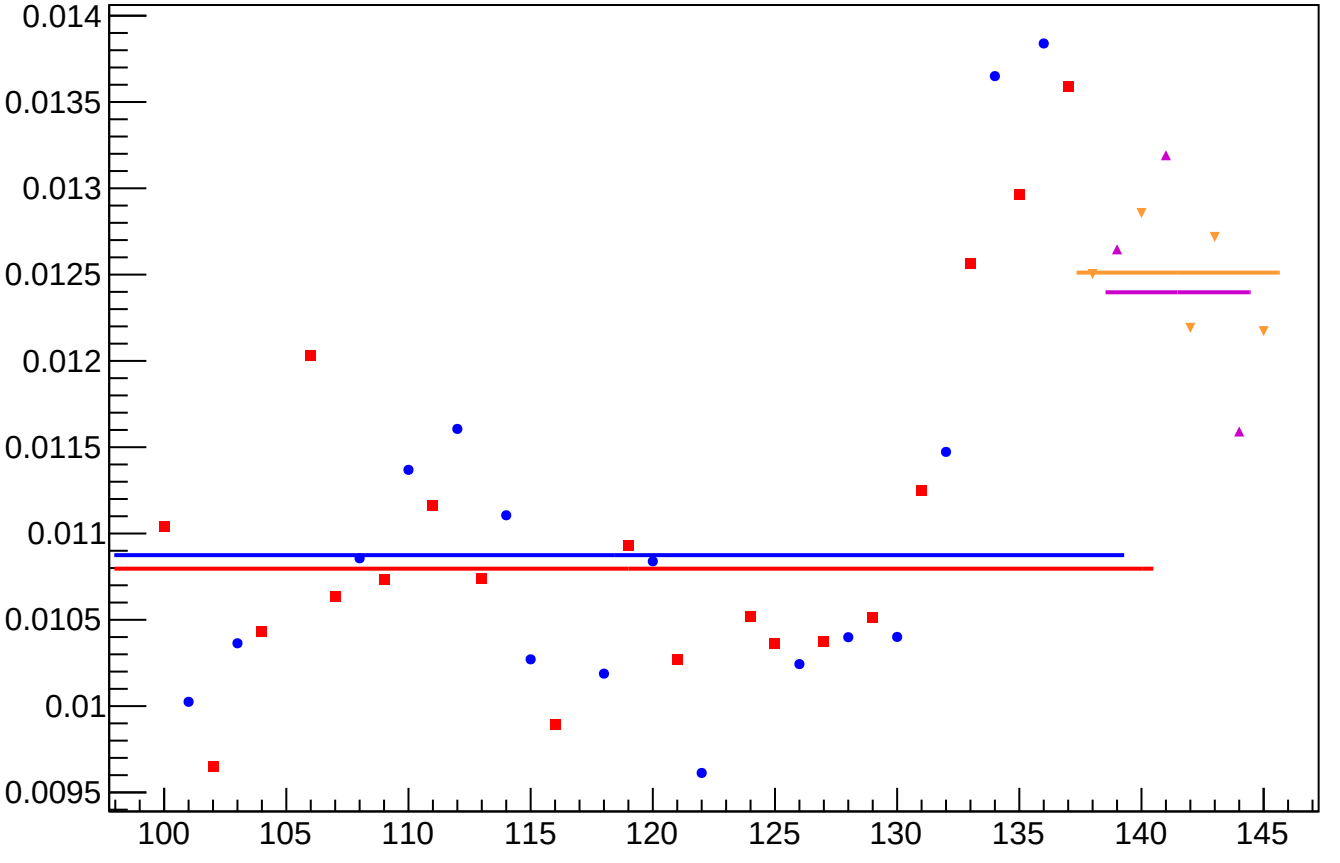
Left In: 1.121+/-0.000 χ^2/NDF:133790720.3/2

+ sign -0.289+/-0.000 χ^2/NDF: 69667212939.9/20

All: -0.341+/-0.000 χ^2/NDF: 127866352863.0

- sign -0.396+/-0.000 χ^2/NDF: 57742181853.4/21

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

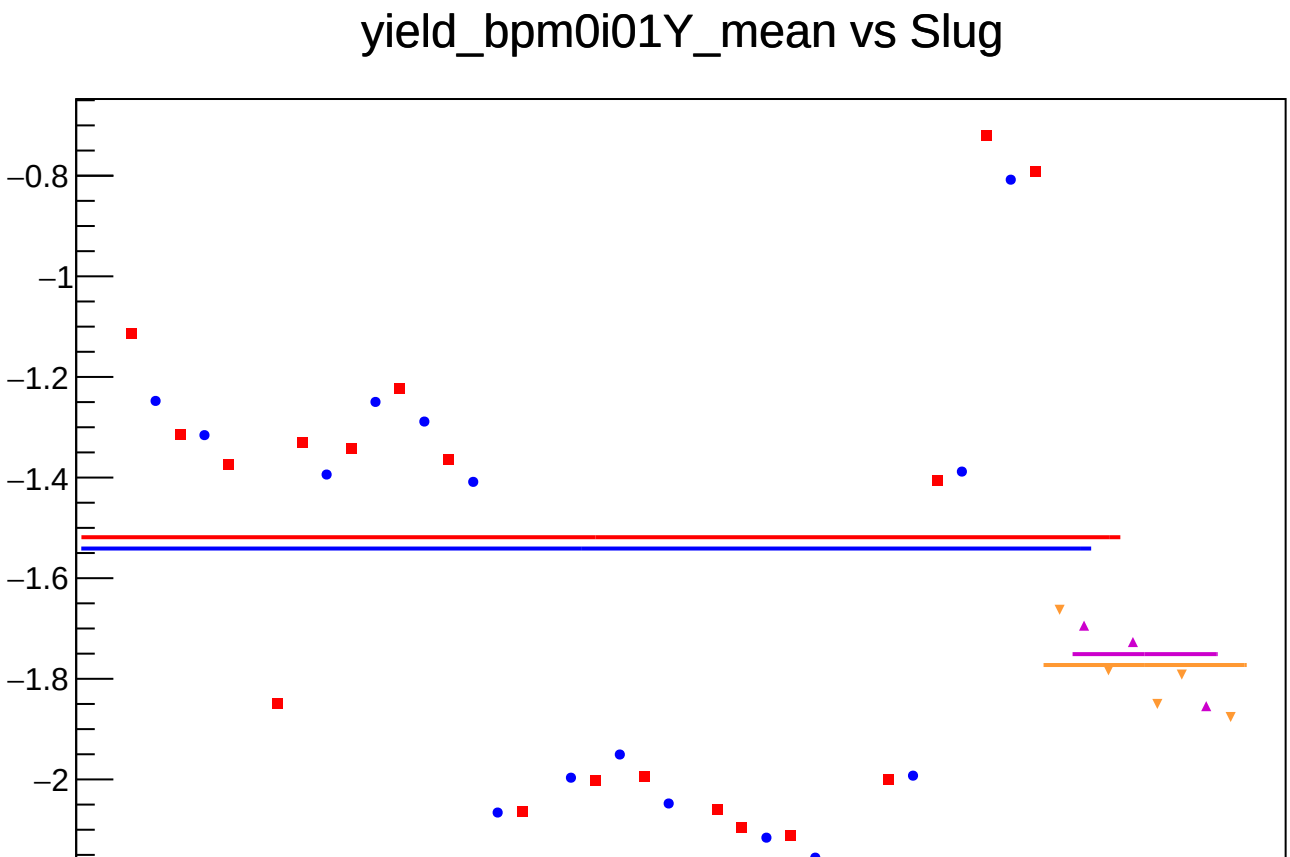
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.012+/-0.000 χ^2/NDF:15607.8/2

+ sign 0.011+/-0.000 χ^2/NDF: 250395.8/20

All: 0.011+/-0.000 χ^2/NDF: 436285.9/42

- sign 0.011+/-0.000 χ^2/NDF: 182855.0/21



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

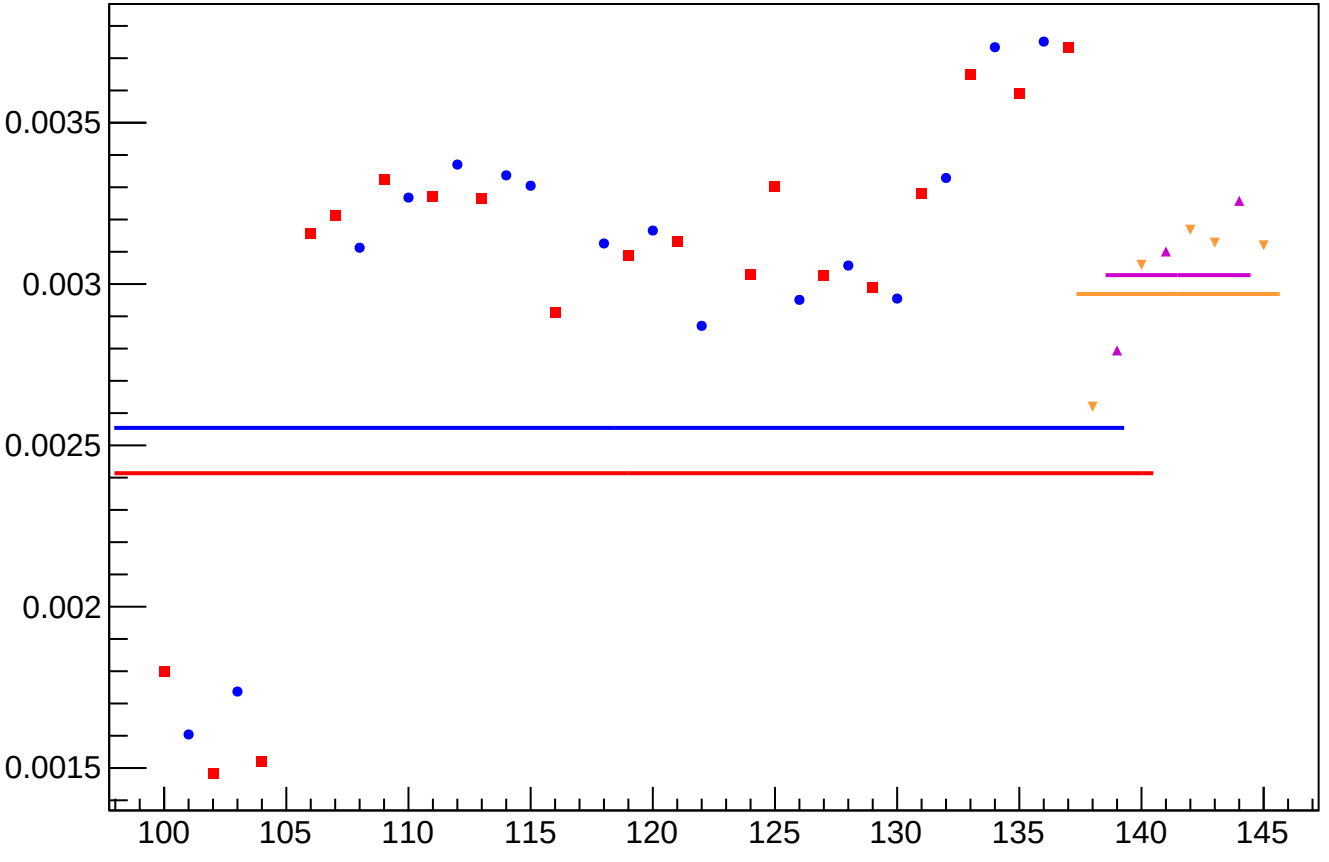
Left In: -1.751+/-0.000 χ^2/NDF:1200808827.8/2

+ sign -1.608+/-0.000 χ^2/NDF: 179006479184.7/20

All: -1.588+/-0.000 χ^2/NDF: 337787828590.

- sign -1.567+/-0.000 χ^2/NDF: 157695108141.1/21

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

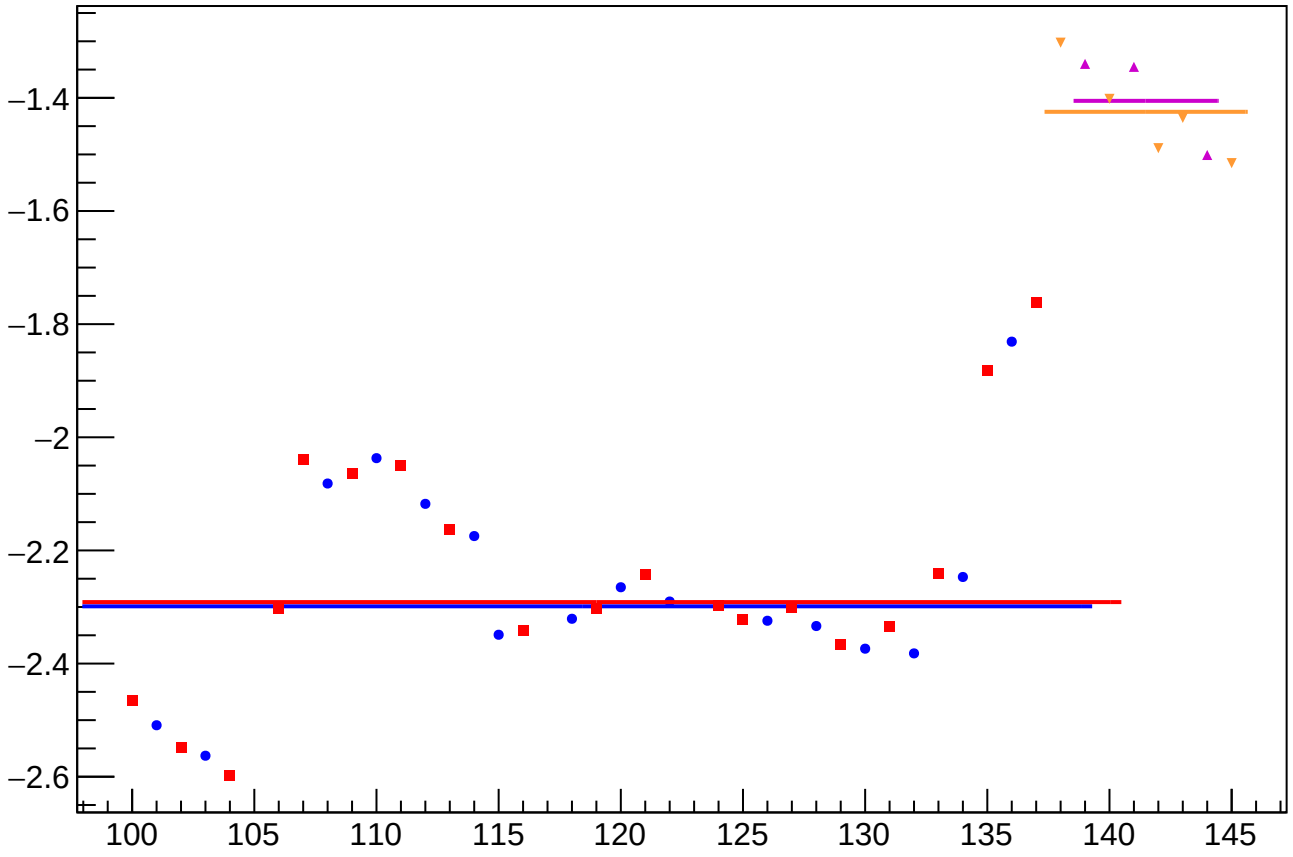
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:20291.3/2

+ sign 0.003+/-0.000 χ^2/NDF: 1302500.8/20

All: 0.003+/-0.000 χ^2/NDF: 3051740.5/42

- sign 0.003+/-0.000 χ^2/NDF: 1726489.4/21



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

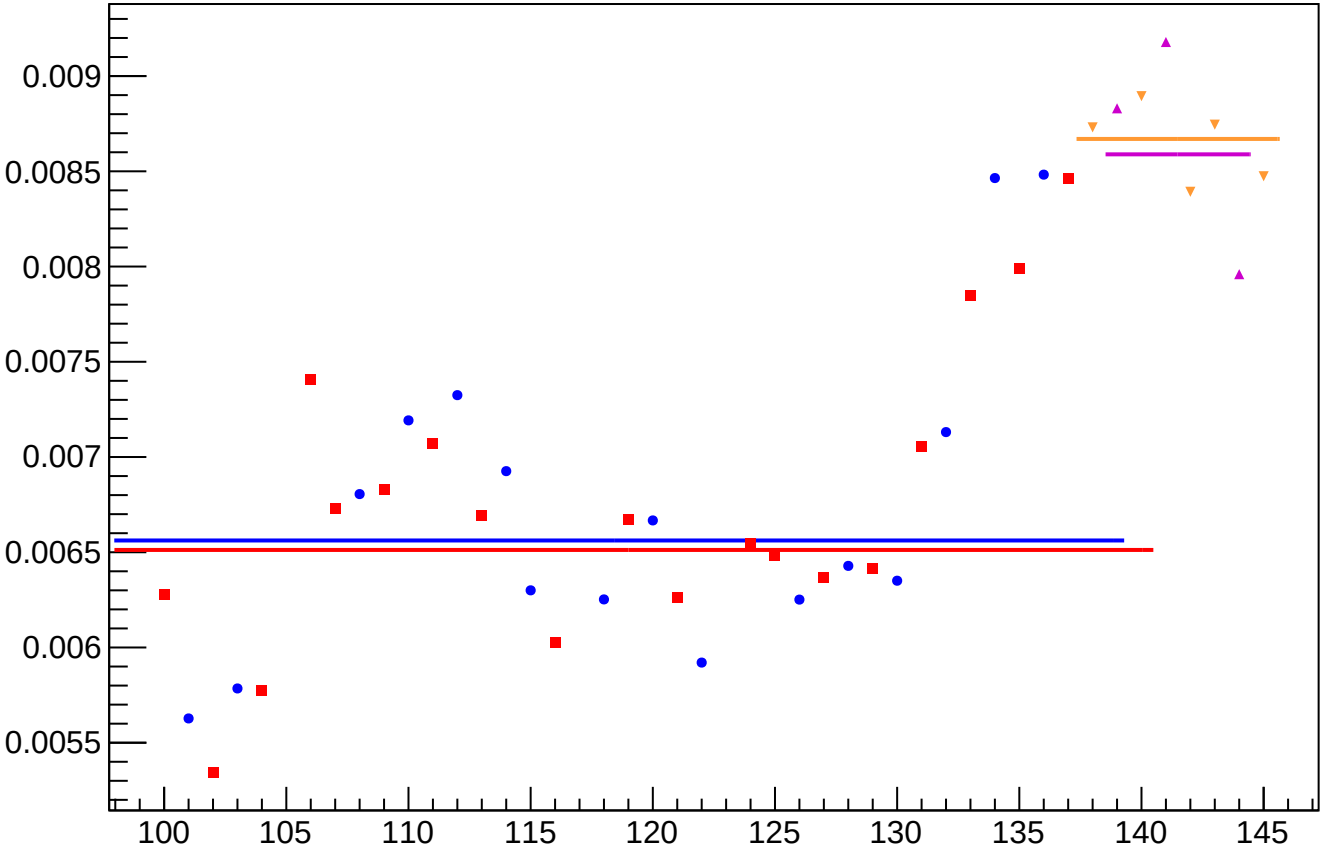
Left In: -1.405+/-0.000 χ^2/NDF:210294205.8/2

+ sign -2.099+/-0.000 χ^2/NDF: 34527015909.8/20

All: -2.118+/-0.000 χ^2/NDF: 64450360896.3/

- sign -2.138+/-0.000 χ^2/NDF: 29762478361.7/21

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

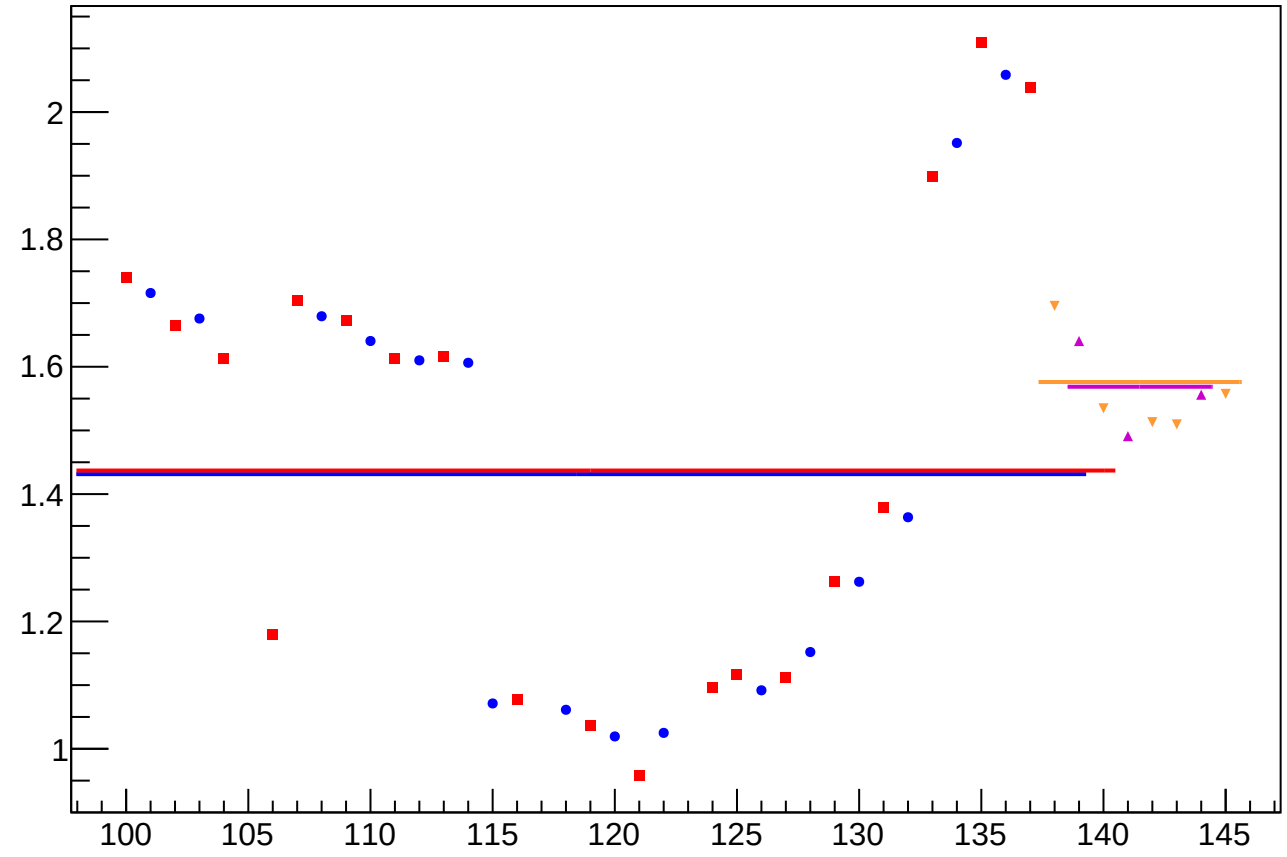
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:19465.8/2

+ sign 0.007+/-0.000 χ^2/NDF: 552117.1/20

All: 0.007+/-0.000 χ^2/NDF: 1012433.5/42

- sign 0.007+/-0.000 χ^2/NDF: 454130.9/21



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

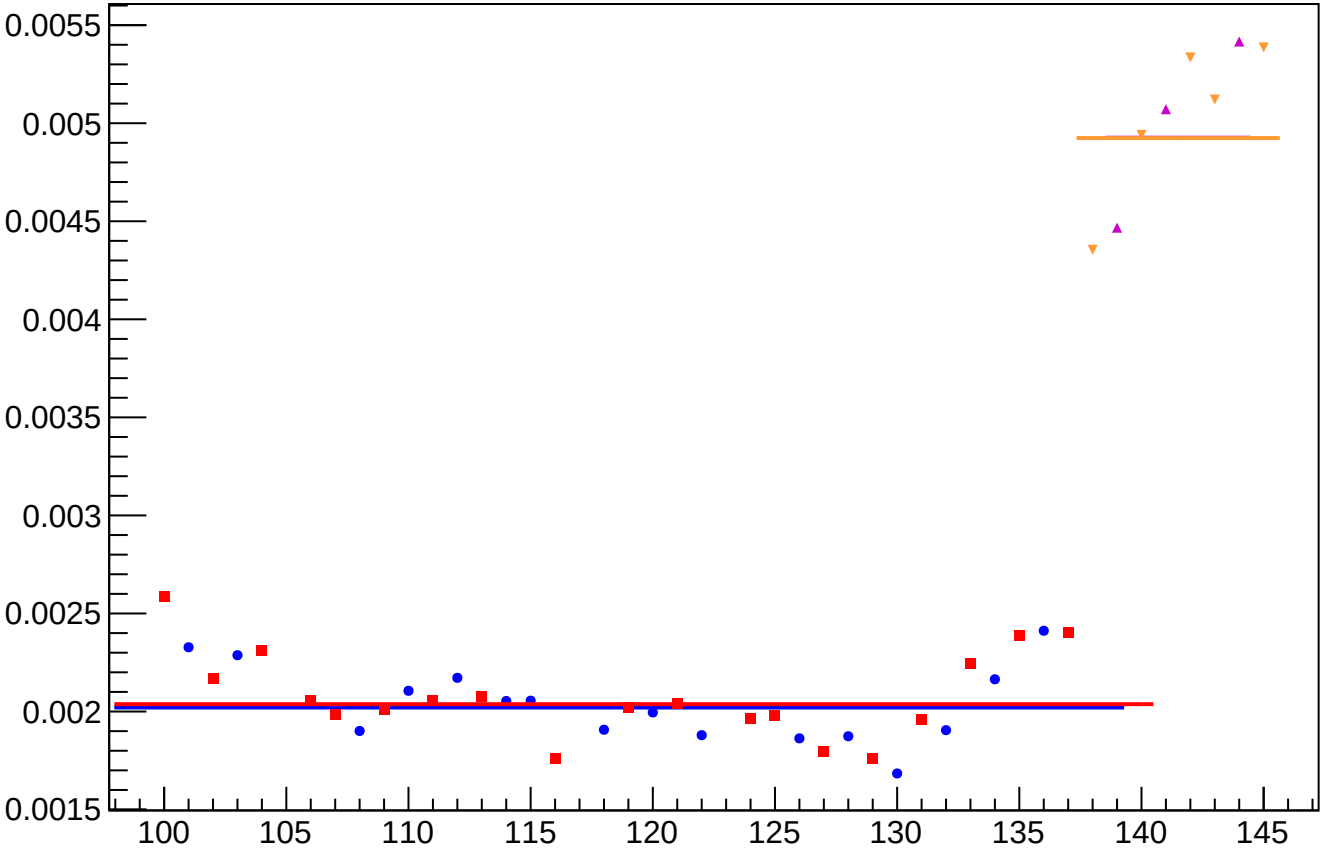
Left In: 1.569+/-0.000 χ^2/NDF:422493380.8/2

+ sign 1.443+/-0.000 χ^2/NDF: 192758597475.2/20

All: 1.444+/-0.000 χ^2/NDF: 376899933052.7

- sign 1.445+/-0.000 χ^2/NDF: 184138083083.7/21

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

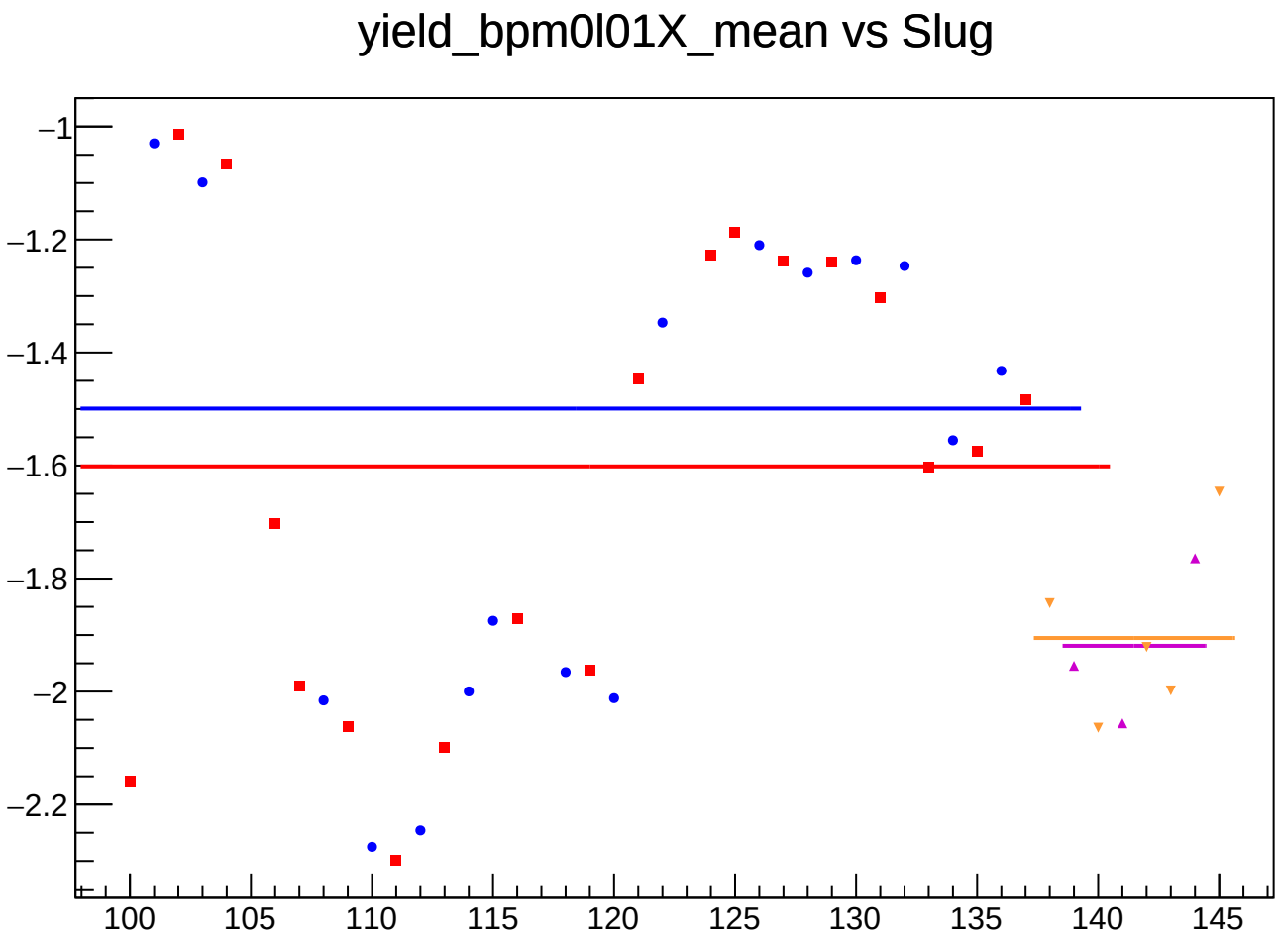
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:32801.8/2

+ sign 0.002+/-0.000 χ^2/NDF: 2405424.2/20

All: 0.002+/-0.000 χ^2/NDF: 4190351.6/42

- sign 0.002+/-0.000 χ^2/NDF: 1781622.8/21



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.905+/-0.000 χ^2/NDF:2495638624.9/4

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

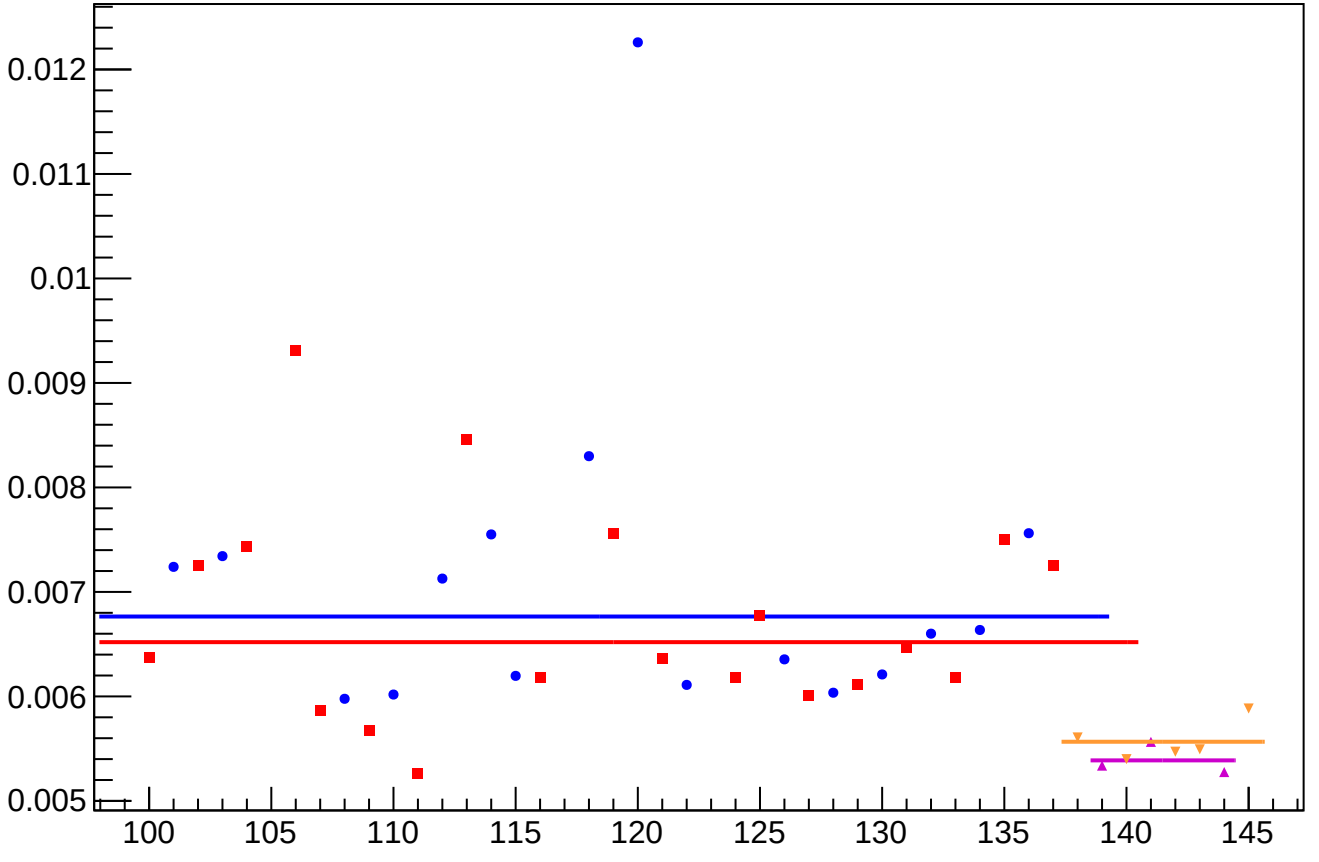
Left In: -1.919+/-0.000 χ^2/NDF:1306556774.1/2

+ sign -1.681+/-0.000 χ^2/NDF: 35867901844.2/20

All: -1.697+/-0.000 χ^2/NDF: 71377744525.6/

- sign -1.713+/-0.000 χ^2/NDF: 35377093510.0/21

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

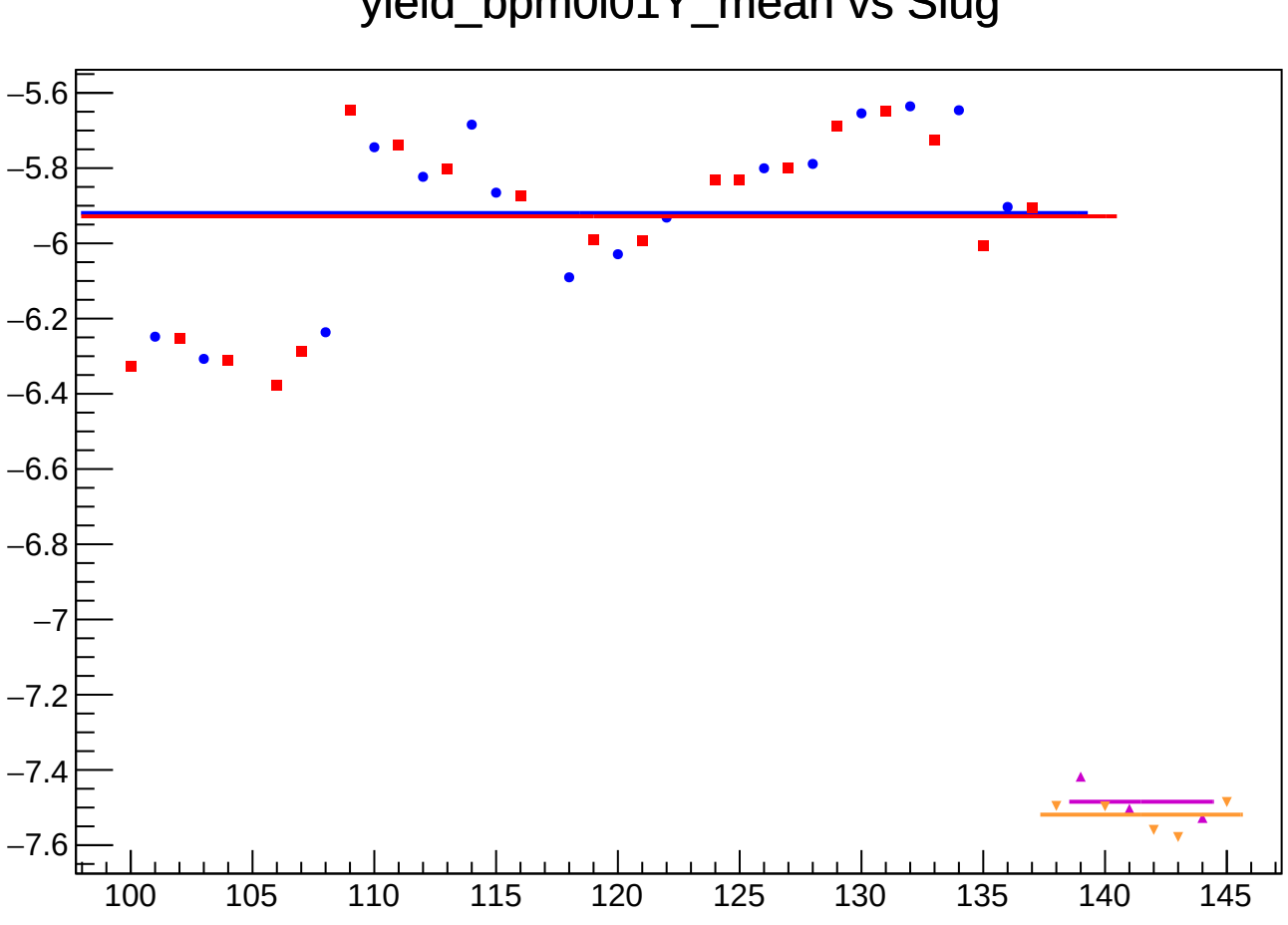
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.005+/-0.000 χ^2/NDF:2666.1/2

+ sign 0.006+/-0.000 χ^2/NDF: 427104.9/20

All: 0.006+/-0.000 χ^2/NDF: 823961.4/42

- sign 0.006+/-0.000 χ^2/NDF: 393959.4/21



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.519+/-0.000 χ^2/NDF:41375358.3/4

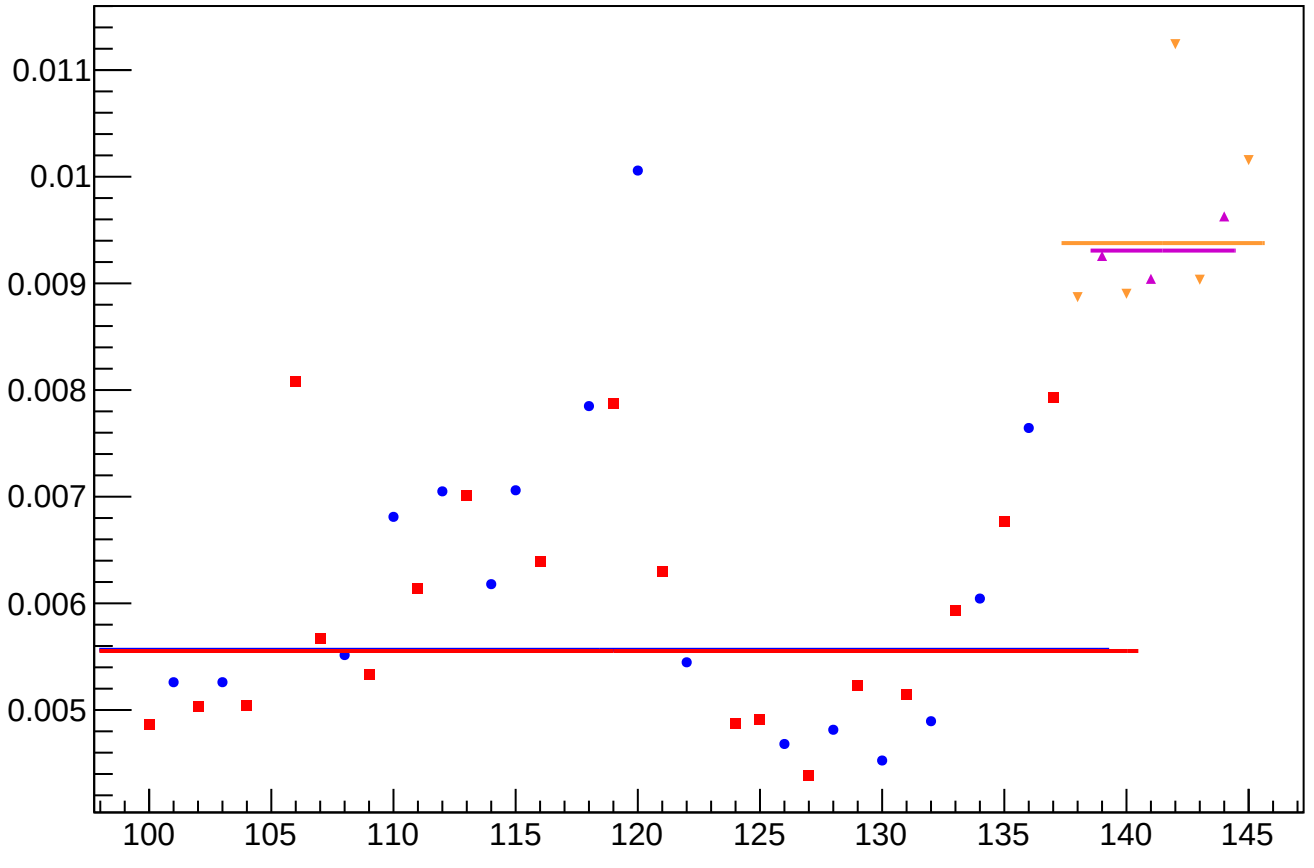
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.485+/-0.000 χ^2/NDF:45614903.7/2

+ sign -6.122+/-0.000 χ^2/NDF: 75996790285.8/20

All: -6.096+/-0.000 χ^2/NDF: 135776314745.6

- sign -6.071+/-0.000 χ^2/NDF: 59479166716.9/21



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:32540.3/4

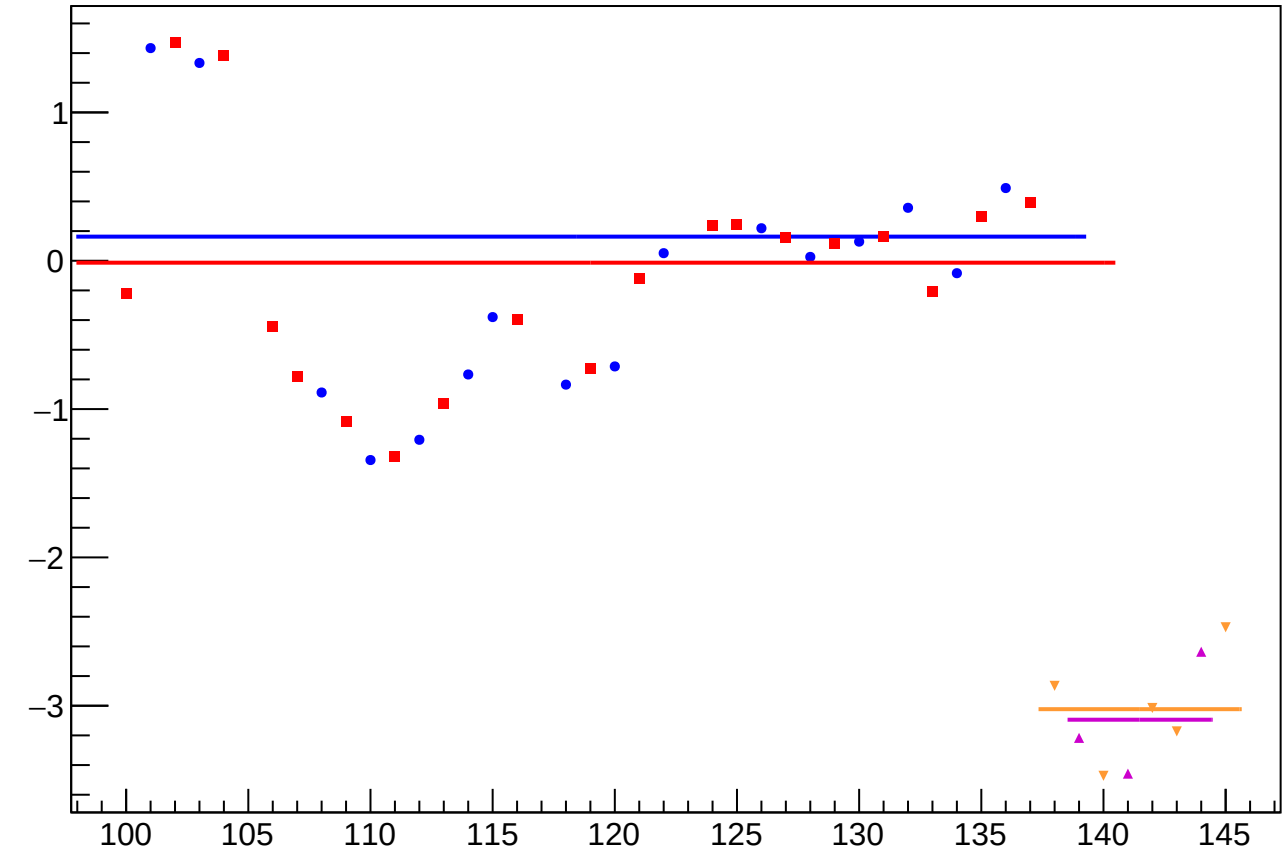
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2541.9/2

+ sign 0.006+/-0.000 χ^2/NDF: 1258100.0/20

All: 0.006+/-0.000 χ^2/NDF: 2174850.9/42

- sign 0.006+/-0.000 χ^2/NDF: 911593.7/21



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

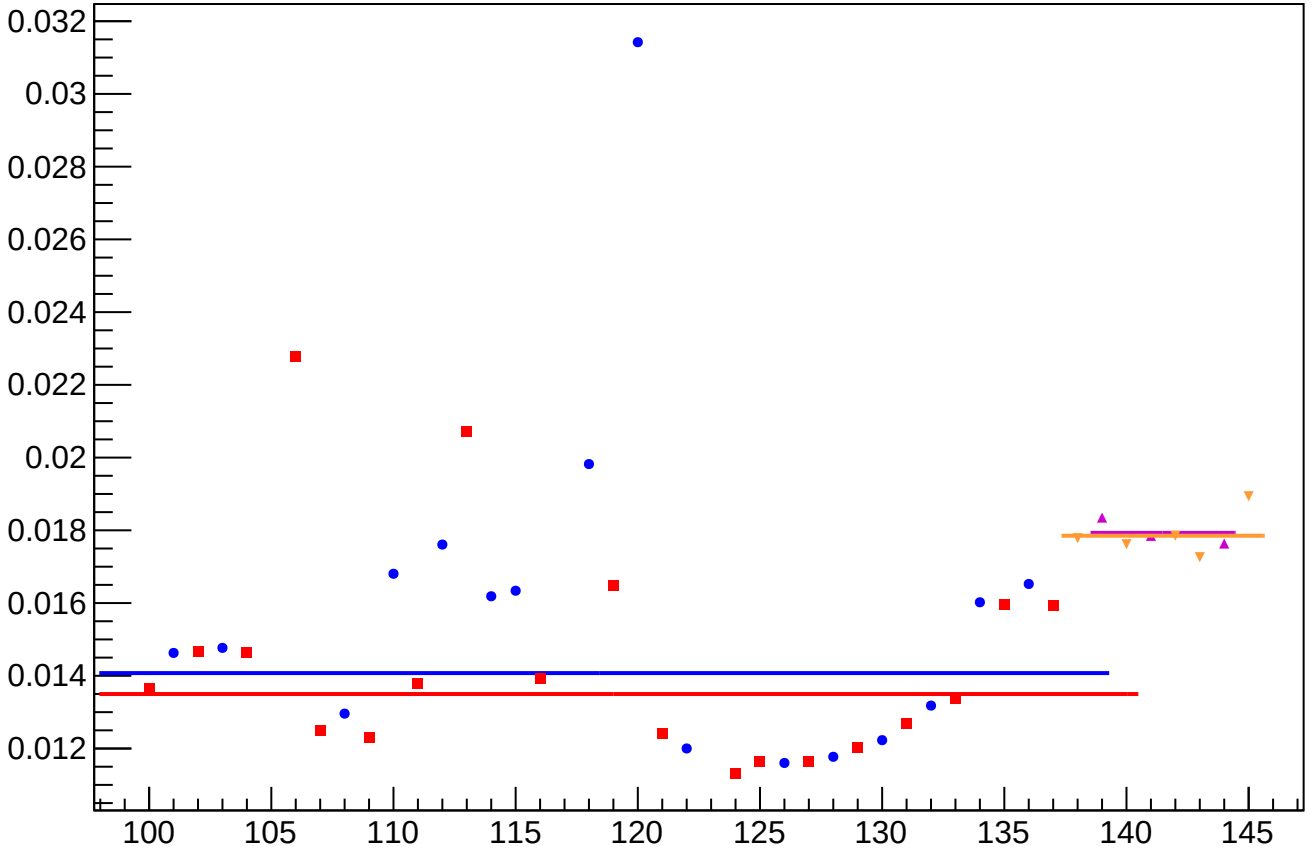
Left In: -3.094+/-0.000 χ^2/NDF:955833335.8/2

+ sign -0.641+/-0.000 χ^2/NDF: 100747460756.3/20

All: -0.592+/-0.000 χ^2/NDF: 185314827977.9

- sign -0.545+/-0.000 χ^2/NDF: 84363222500.8/21

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

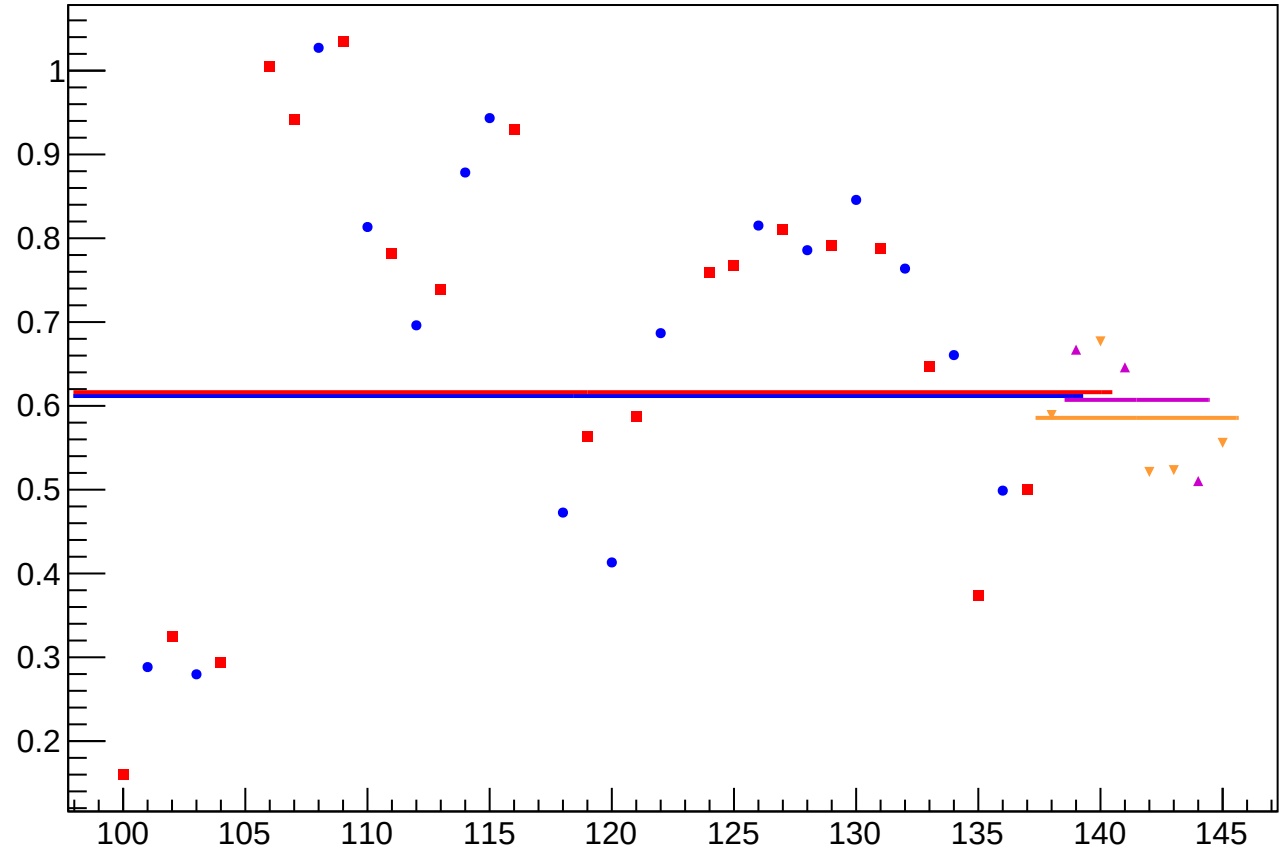
Left In: 0.018+/-0.000 χ^2/NDF:1353.7/2

+ sign 0.015+/-0.000 χ^2/NDF: 701689.9/20

All: 0.015+/-0.000 χ^2/NDF: 1295321.2/42

- sign 0.014+/-0.000 χ^2/NDF: 568076.6/21

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

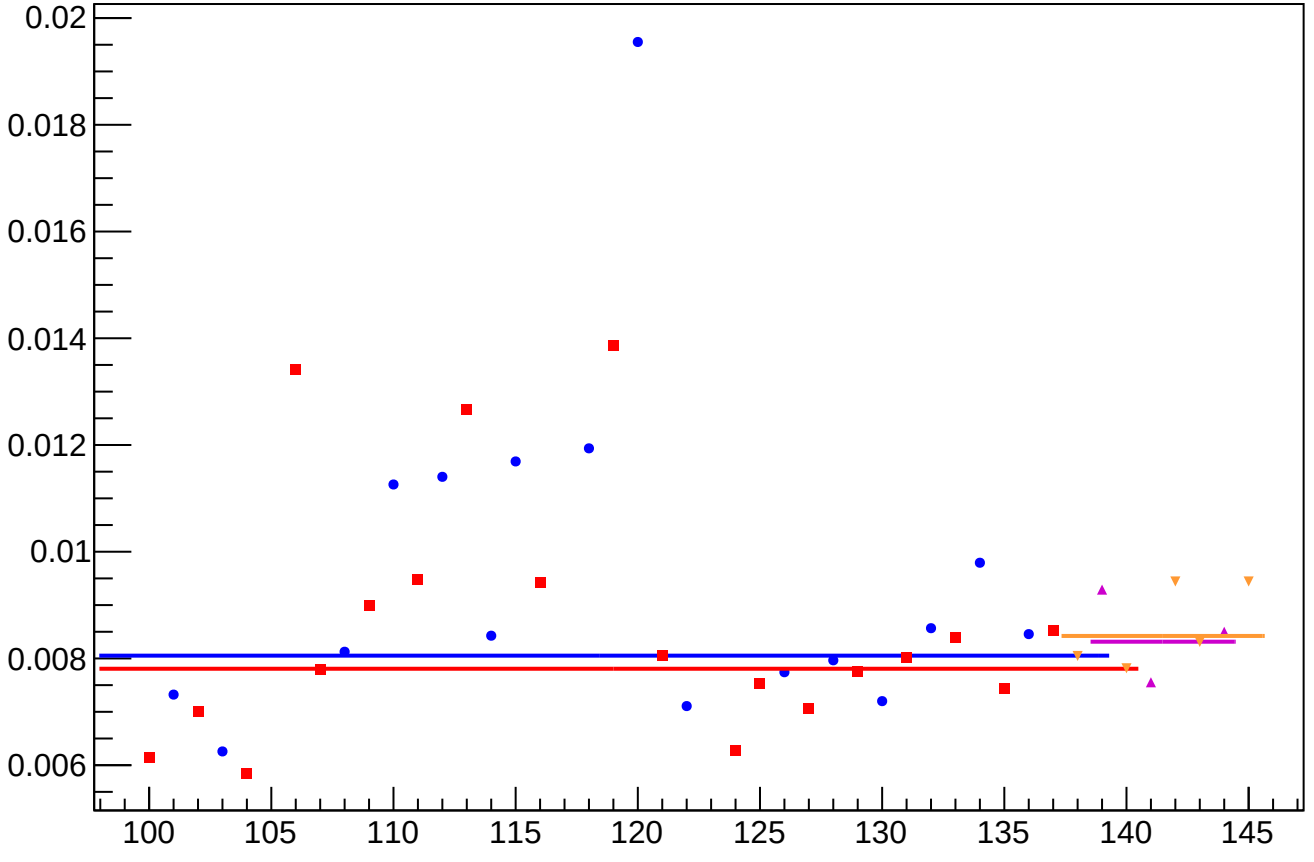
Left In: 0.607+/-0.000 χ^2/NDF:151871555.8/2

+ sign 0.604+/-0.000 χ^2/NDF: 5821502649.3/20

All: 0.609+/-0.000 χ^2/NDF: 12402713877.1/4

- sign 0.614+/-0.000 χ^2/NDF: 6573486885.8/21

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

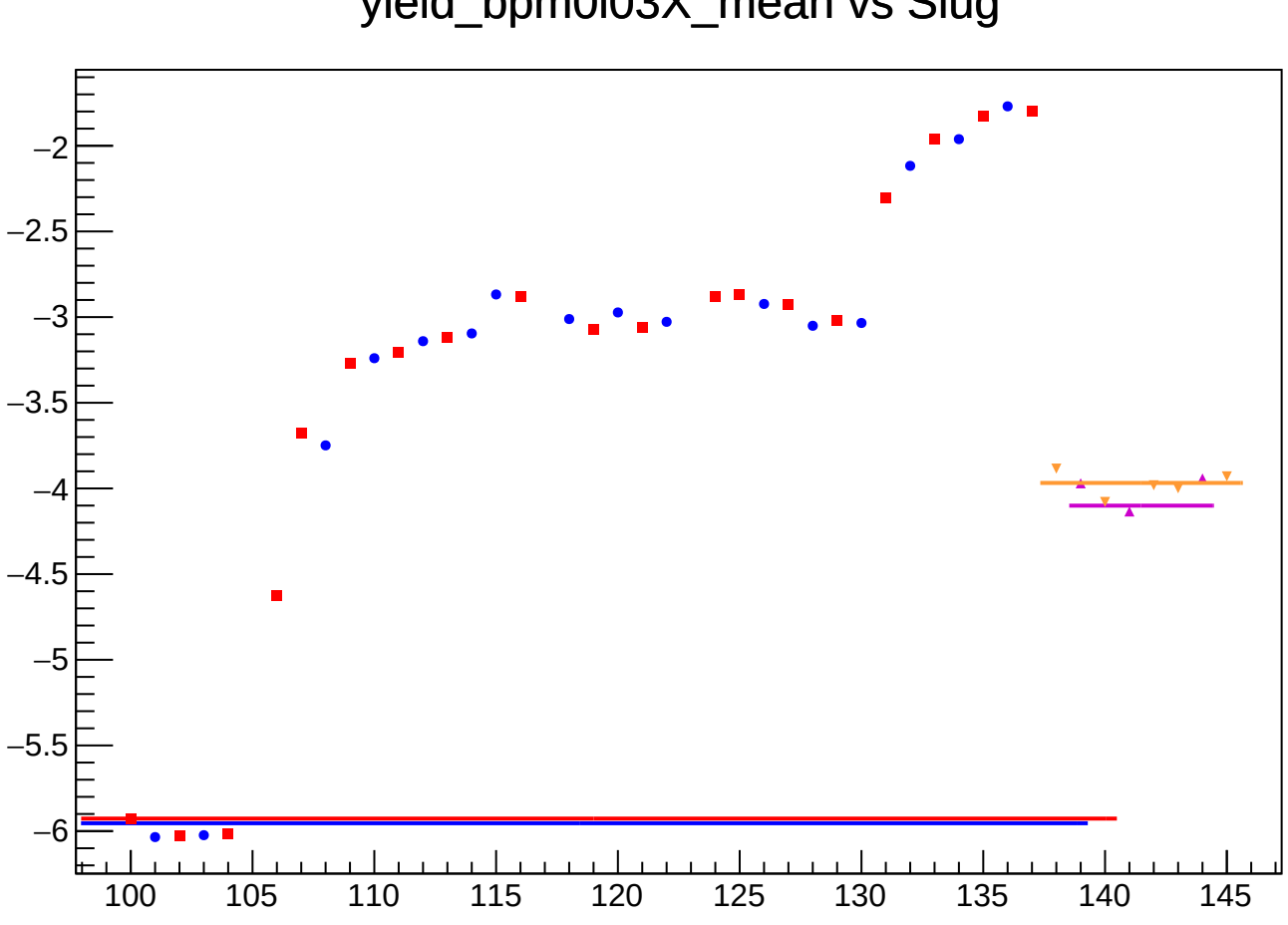
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:32731.9/2

+ sign 0.008+/-0.000 χ^2/NDF: 642622.9/20

All: 0.008+/-0.000 χ^2/NDF: 1283383.1/42

- sign 0.008+/-0.000 χ^2/NDF: 632748.5/21



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

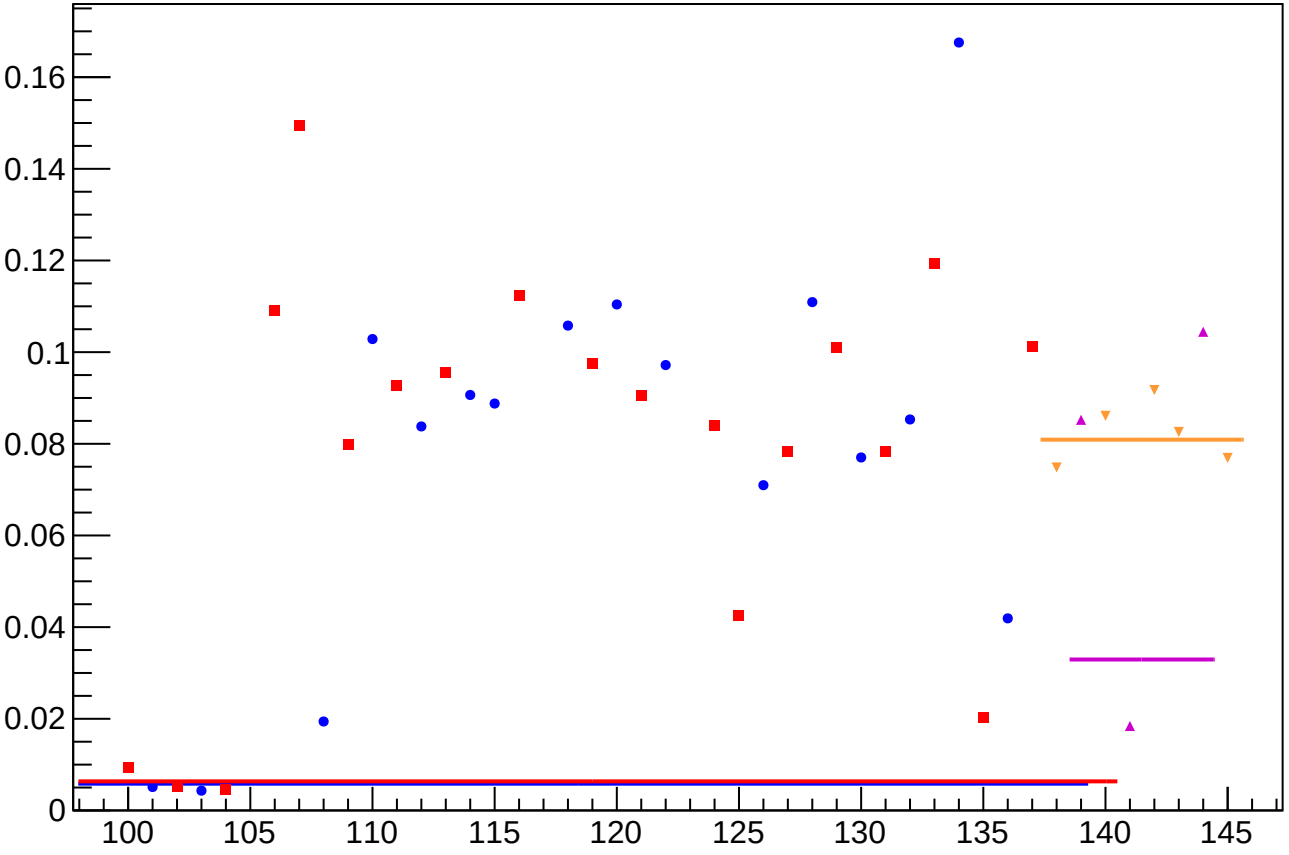
Left In: -4.100+/-0.000 χ^2/NDF:4142105.0/2

+ sign -5.935+/-0.000 χ^2/NDF: 15087916628.8/20

All: -5.915+/-0.000 χ^2/NDF: 31815950049.3/

- sign -5.891+/-0.000 χ^2/NDF: 16683518474.4/21

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

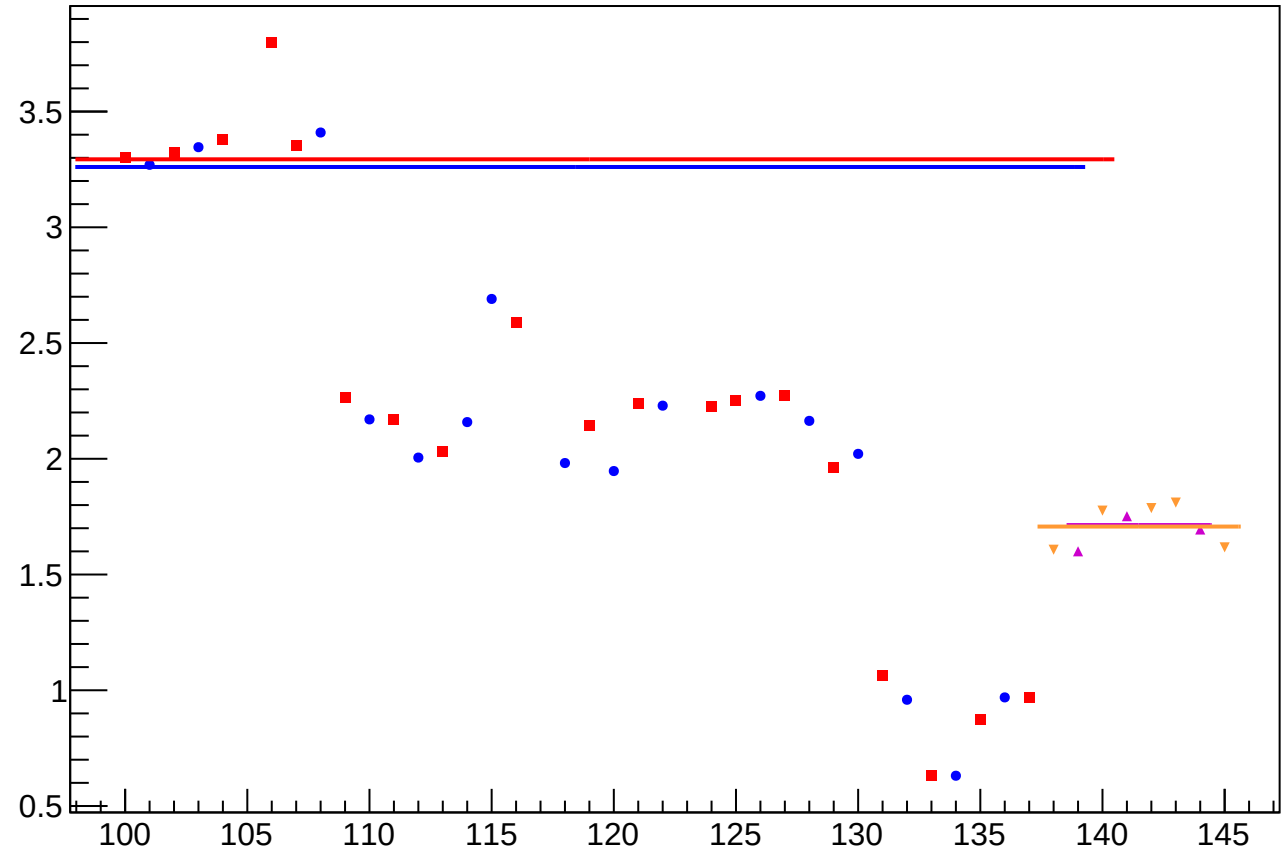
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.033+/-0.000 χ^2/NDF:1525587.8/2

+ sign 0.007+/-0.000 χ^2/NDF: 14403884.7/20

All: 0.007+/-0.000 χ^2/NDF: 25853698.6/42

- sign 0.007+/-0.000 χ^2/NDF: 11445928.2/21



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

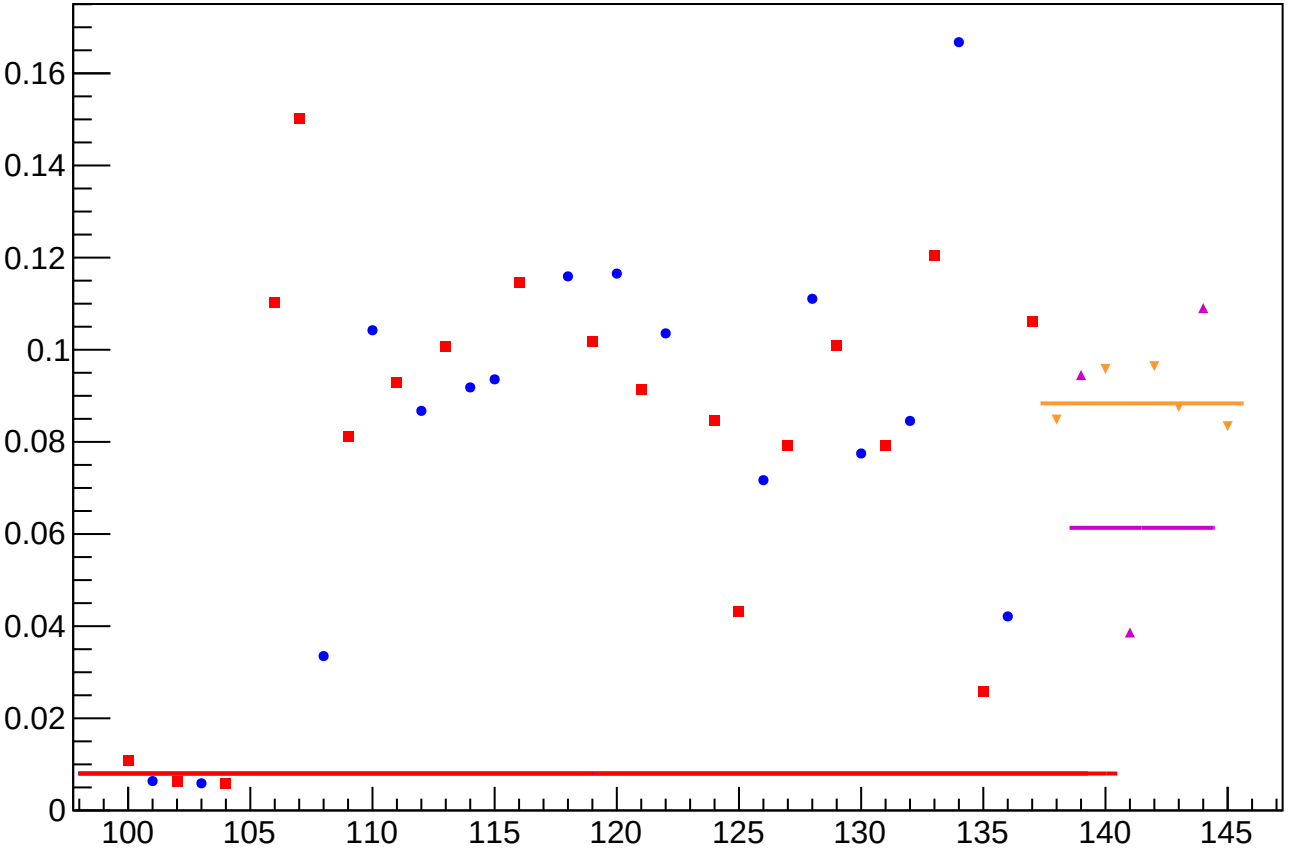
Left In: 1.714+/-0.000 χ^2/NDF:1330005.8/2

+ sign 3.239+/-0.000 χ^2/NDF: 4040369004.0/20

All: 3.255+/-0.000 χ^2/NDF: 8269722093.2/42

- sign 3.273+/-0.000 χ^2/NDF: 4212162983.1/21

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

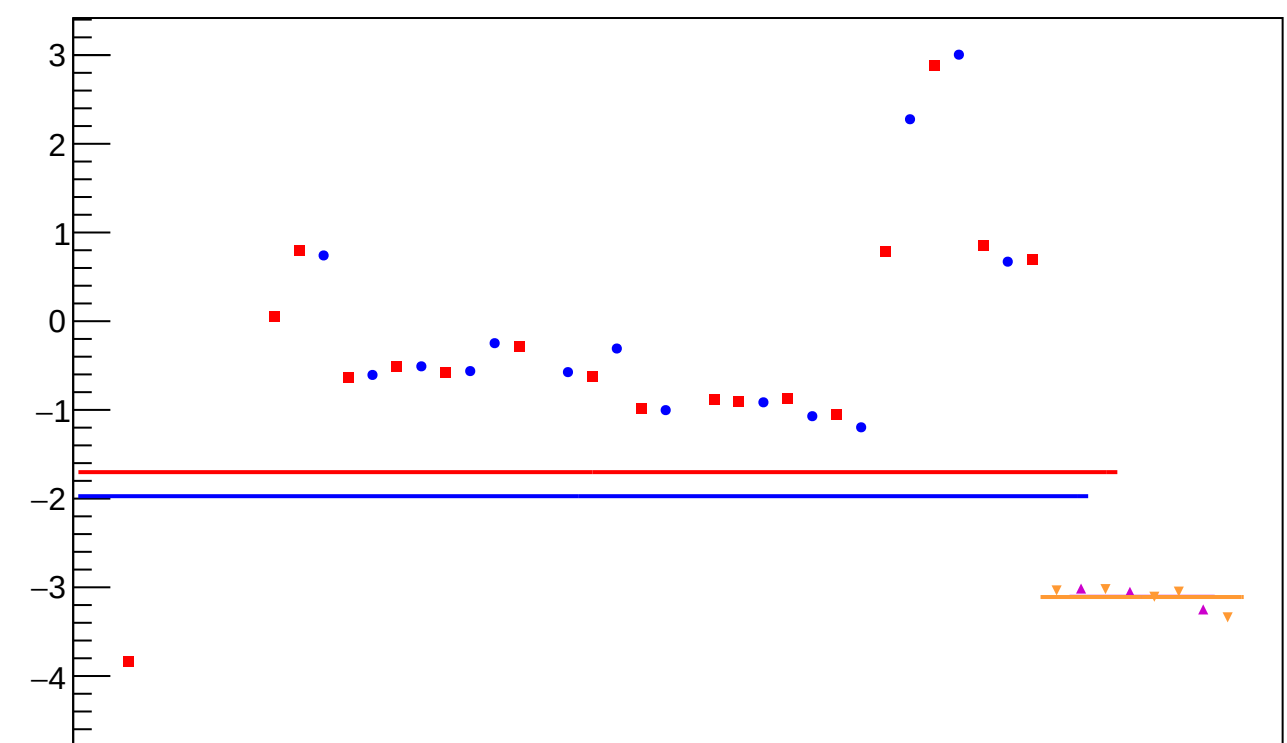
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.061+/-0.000 χ^2/NDF:732017.8/2

+ sign 0.009+/-0.000 χ^2/NDF: 13933069.0/20

All: 0.009+/-0.000 χ^2/NDF: 25415652.6/42

- sign 0.009+/-0.000 χ^2/NDF: 11477700.4/21



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

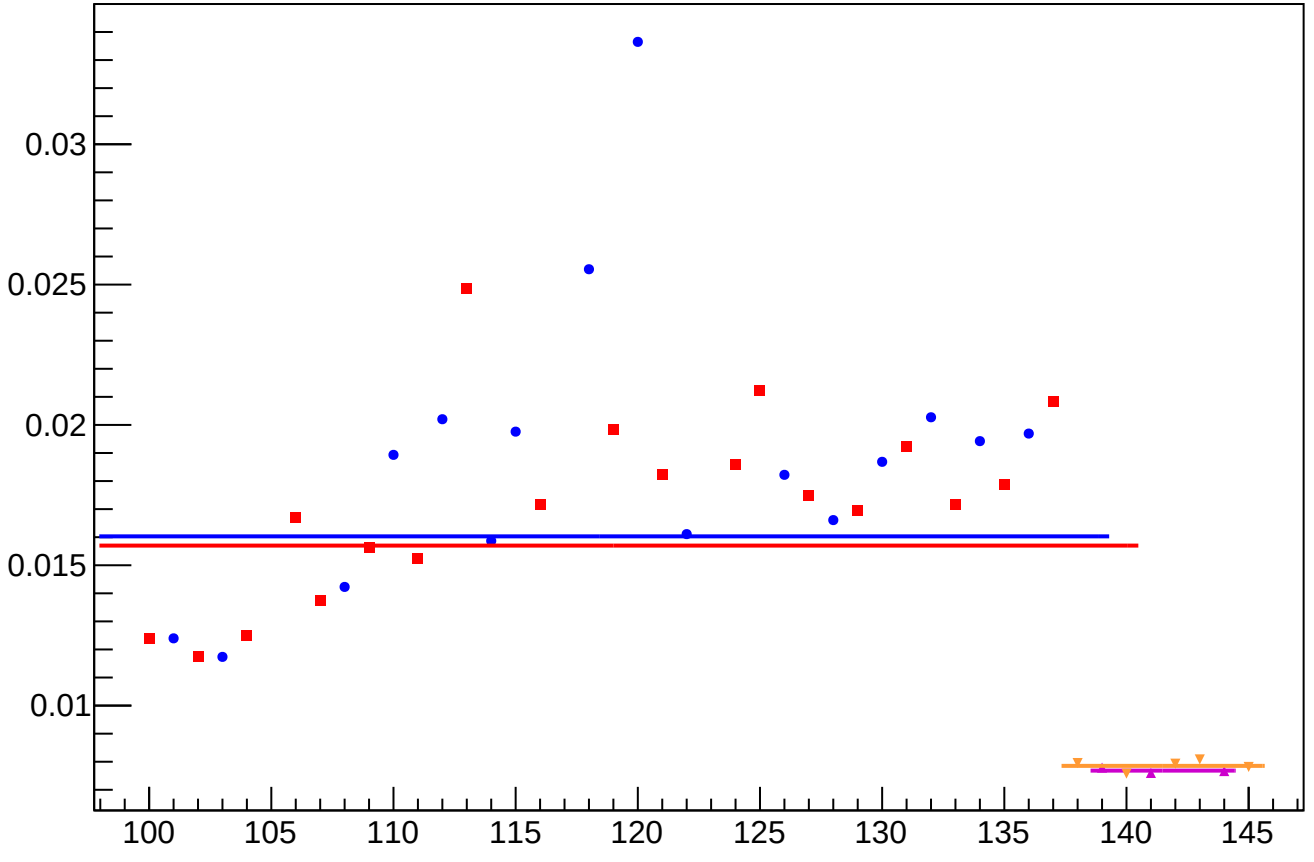
Left In: -3.107+/-0.000 χ^2/NDF:463528158.2/2

+ sign -2.788+/-0.000 χ^2/NDF: 183851115242.6/20

All: -2.692+/-0.000 χ^2/NDF: 386001161211.2

- sign -2.582+/-0.000 χ^2/NDF: 200579385116.5/21

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

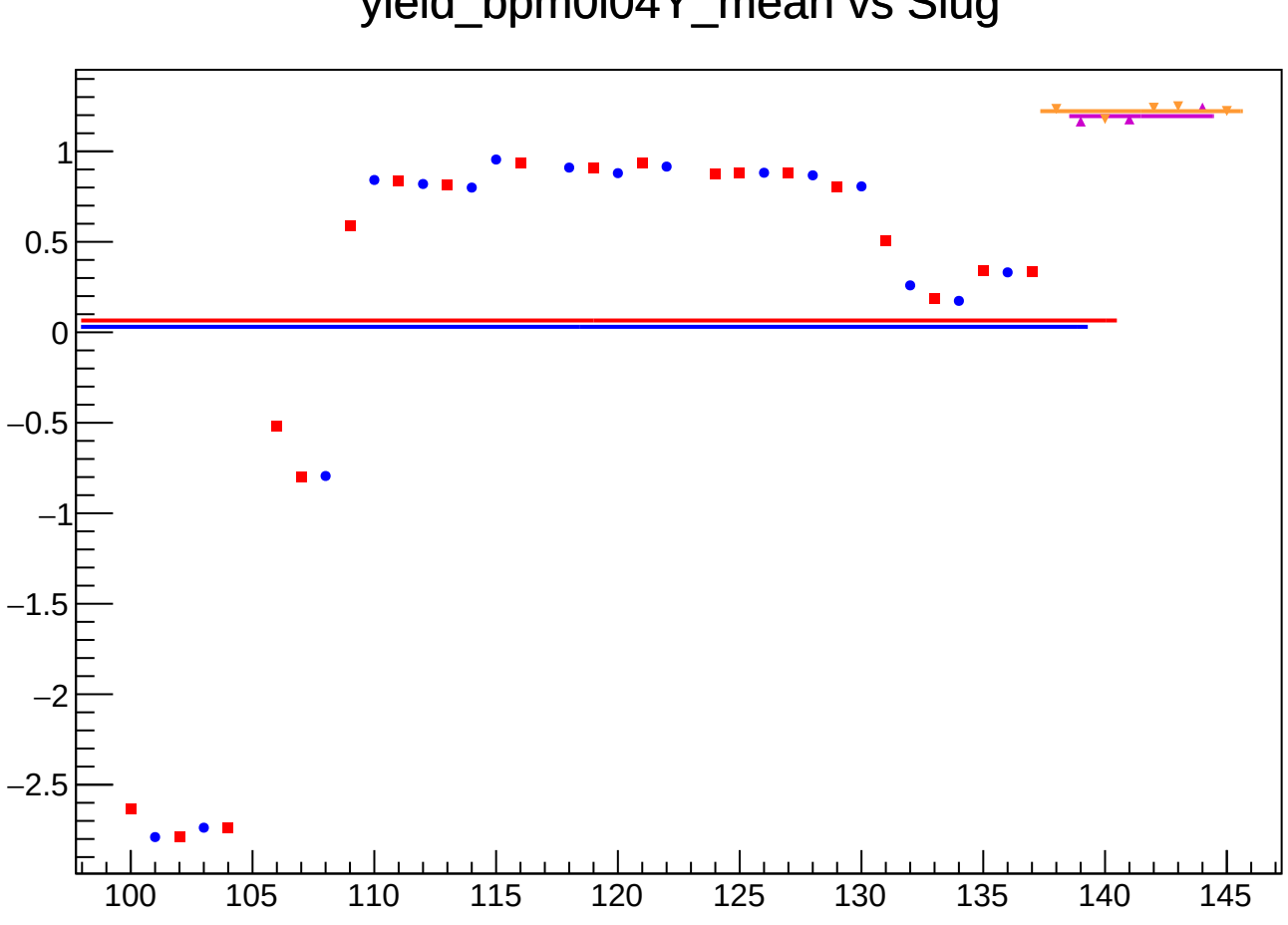
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:525.0/2

+ sign 0.010+/-0.000 χ^2/NDF: 2911772.4/20

All: 0.010+/-0.000 χ^2/NDF: 5516910.5/42

- sign 0.011+/-0.000 χ^2/NDF: 2585744.3/21



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

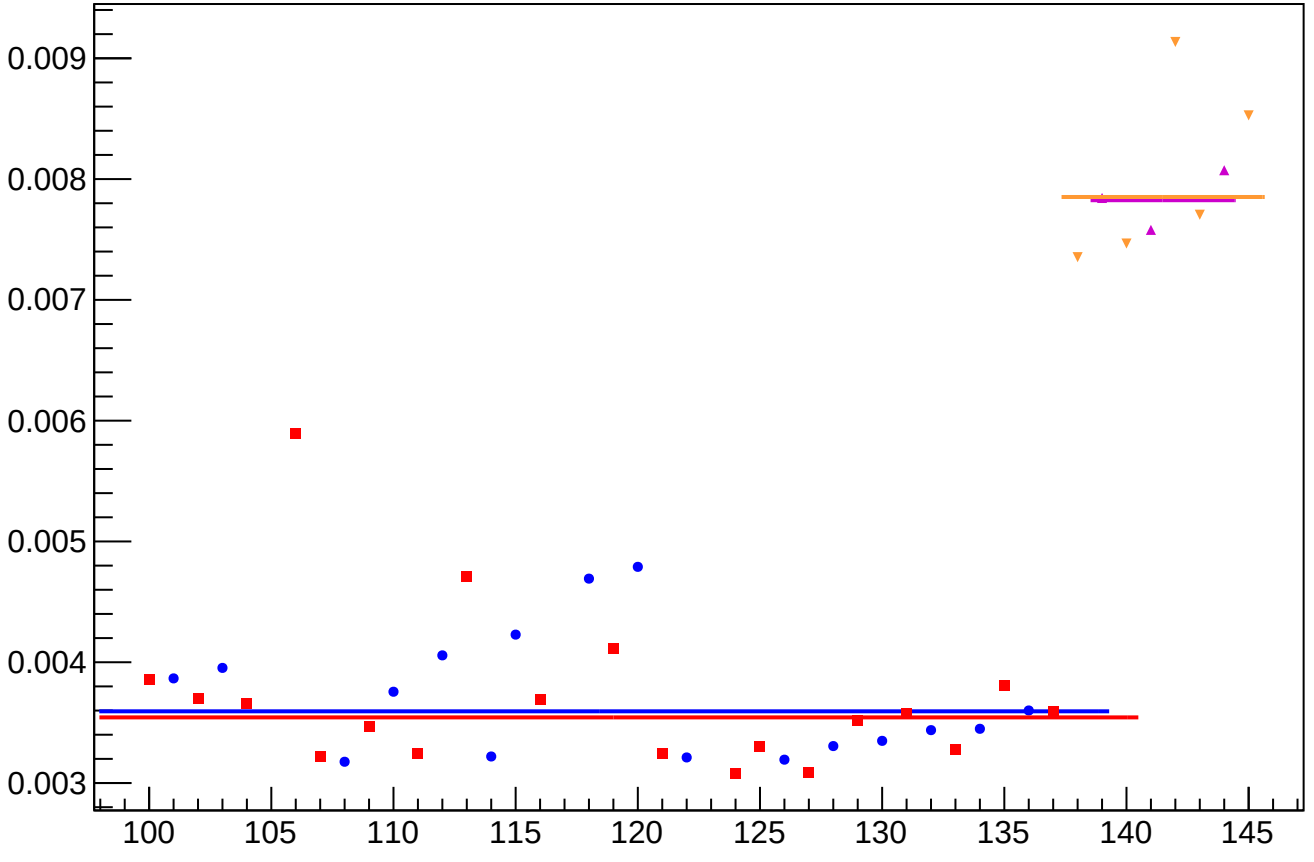
Left In: 1.195+/-0.000 χ^2/NDF:38583132.7/2

+ sign 0.128+/-0.000 χ^2/NDF: 912082340467.3/20

All: 0.129+/-0.000 χ^2/NDF: 1888809280959.

- sign 0.131+/-0.000 χ^2/NDF: 976724224654.7/21

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:31652.1/4

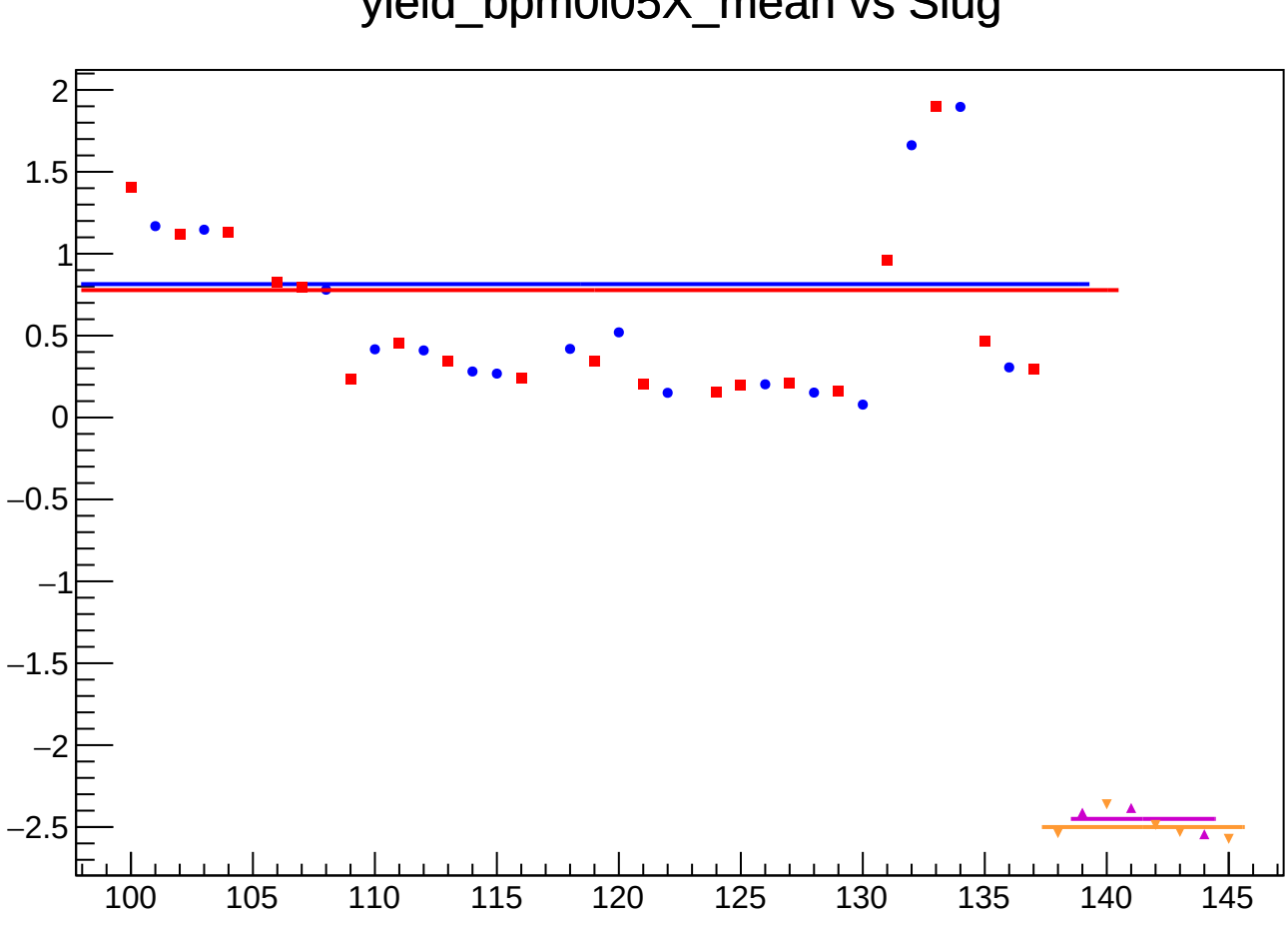
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2878.7/2

+ sign 0.004+/-0.000 χ^2/NDF: 1753006.5/20

All: 0.004+/-0.000 χ^2/NDF: 3178426.9/42

- sign 0.004+/-0.000 χ^2/NDF: 1412291.8/21



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.500+/-0.000 χ^2/NDF:344310963.6/4

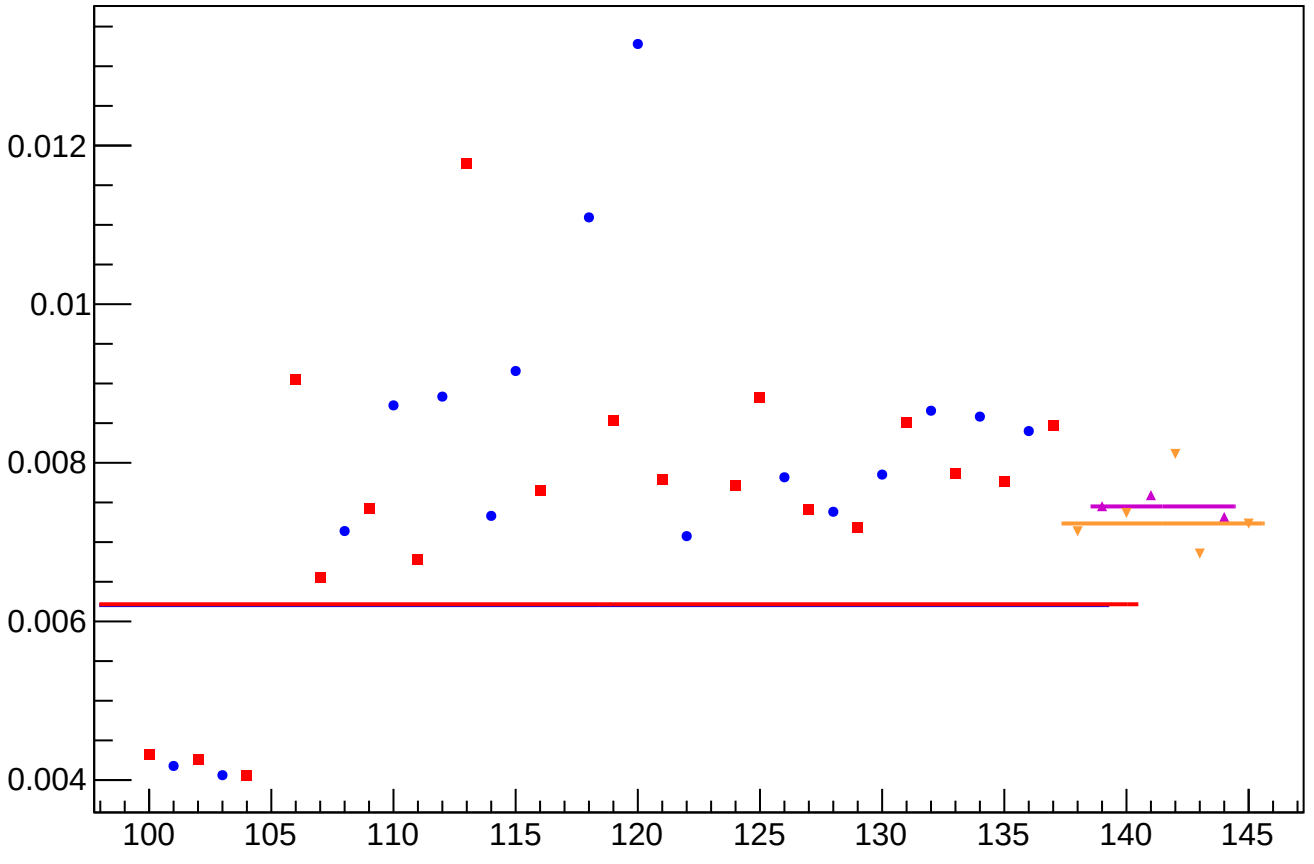
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -2.450+/-0.000 χ^2/NDF:202885935.0/2

+ sign -0.132+/-0.000 χ^2/NDF: 488317463603.2/20

All: -0.010+/-0.000 χ^2/NDF: 861513492009.

- sign 0.116+/-0.000 χ^2/NDF: 367109550574.8/21



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:13276.9/4

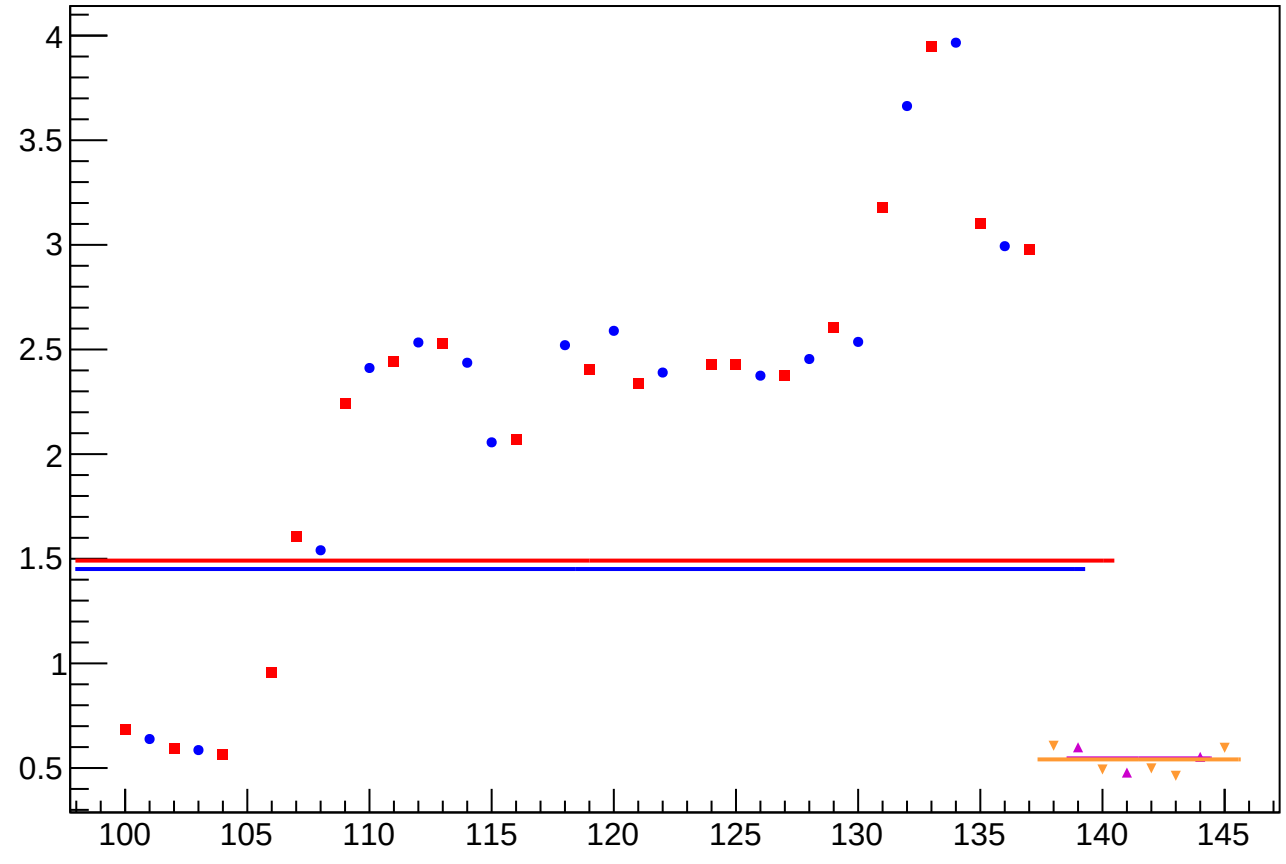
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:1035.4/2

+ sign 0.006+/-0.000 χ^2/NDF: 1524403.0/20

All: 0.006+/-0.000 χ^2/NDF: 2783770.8/42

- sign 0.006+/-0.000 χ^2/NDF: 1259184.2/21



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

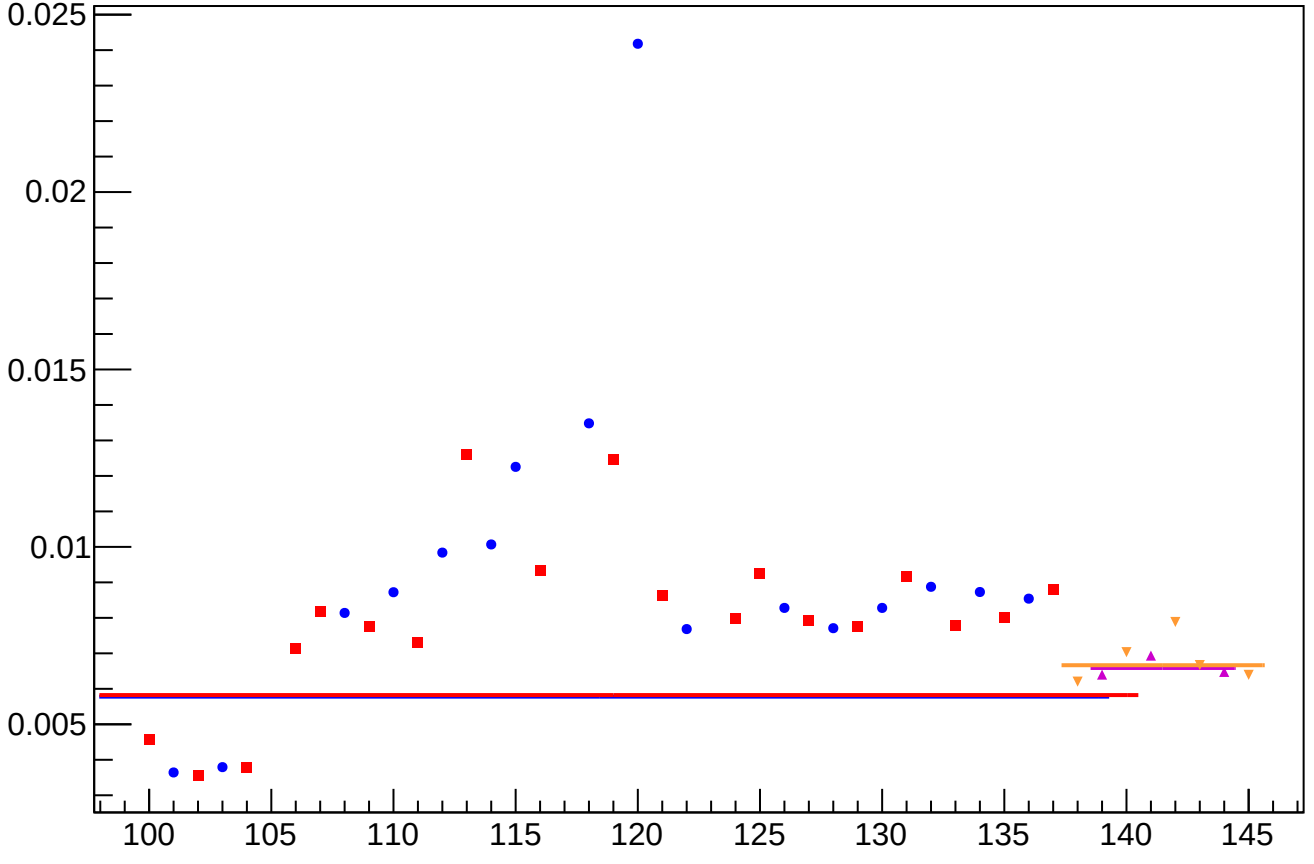
Left In: 0.546+/-0.000 χ^2/NDF:101933943.8/2

+ sign 1.191+/-0.000 χ^2/NDF: 205216882873.3/20

All: 1.239+/-0.000 χ^2/NDF: 424203935437.8

- sign 1.288+/-0.000 χ^2/NDF: 218018310265.9/21

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

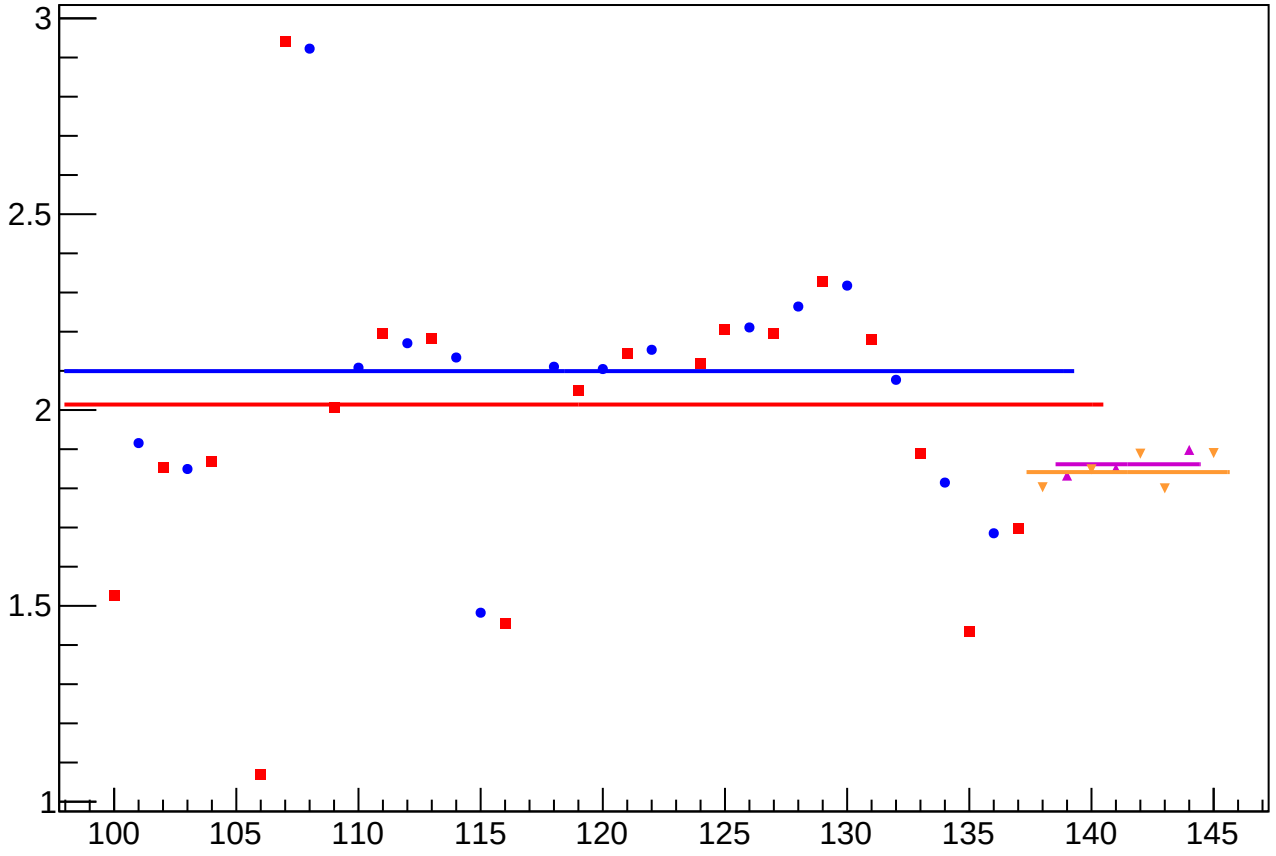
Left In: 0.007+/-0.000 χ^2/NDF:4598.2/2

+ sign 0.006+/-0.000 χ^2/NDF: 2308274.0/20

All: 0.006+/-0.000 χ^2/NDF: 4309535.4/42

- sign 0.006+/-0.000 χ^2/NDF: 2000845.8/21

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

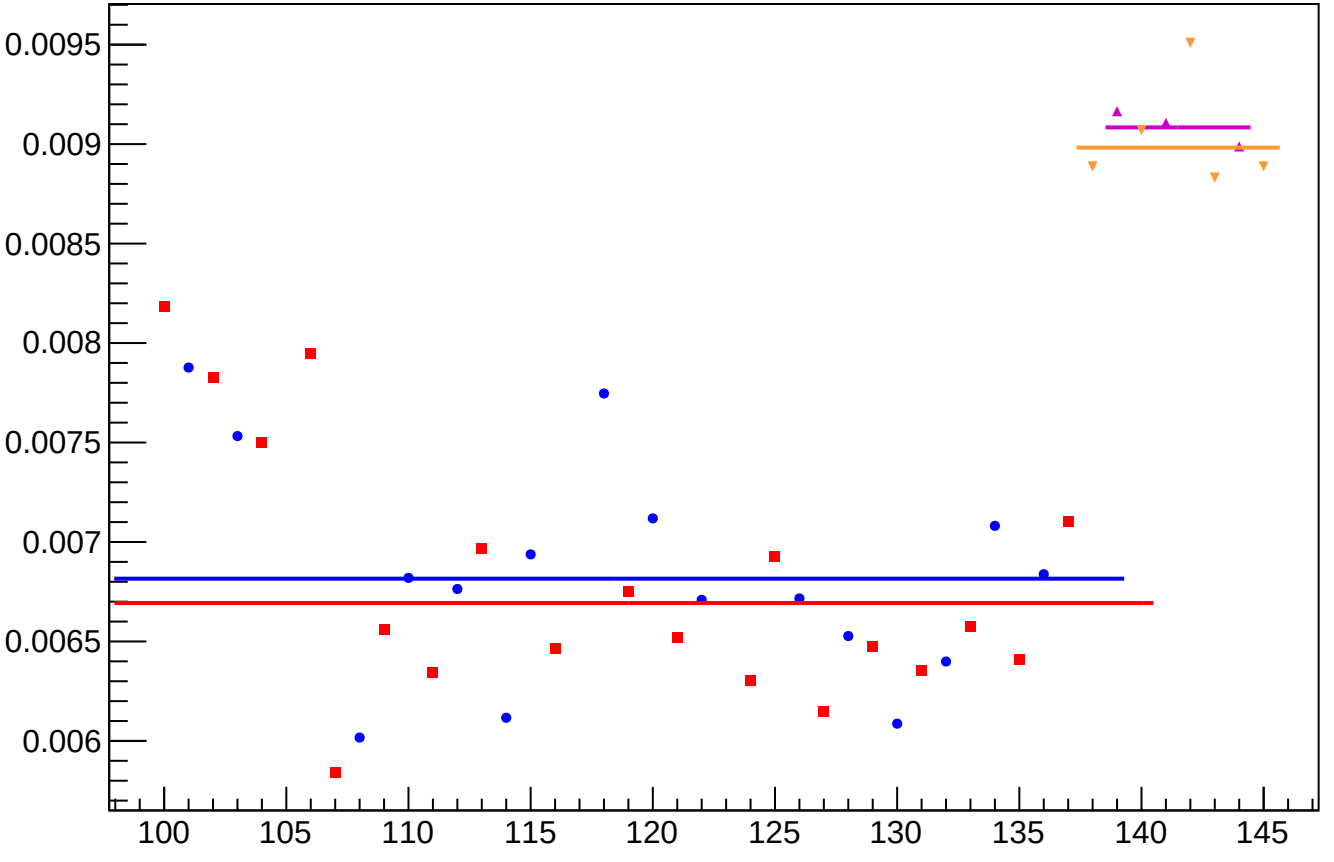
Left In: 1.862+/-0.000 χ^2/NDF:23138858.1/2

+ sign 2.042+/-0.000 χ^2/NDF: 16149546552.7/20

All: 2.016+/-0.000 χ^2/NDF: 36634250903.3/4

- sign 1.990+/-0.000 χ^2/NDF: 20224695443.3/21

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

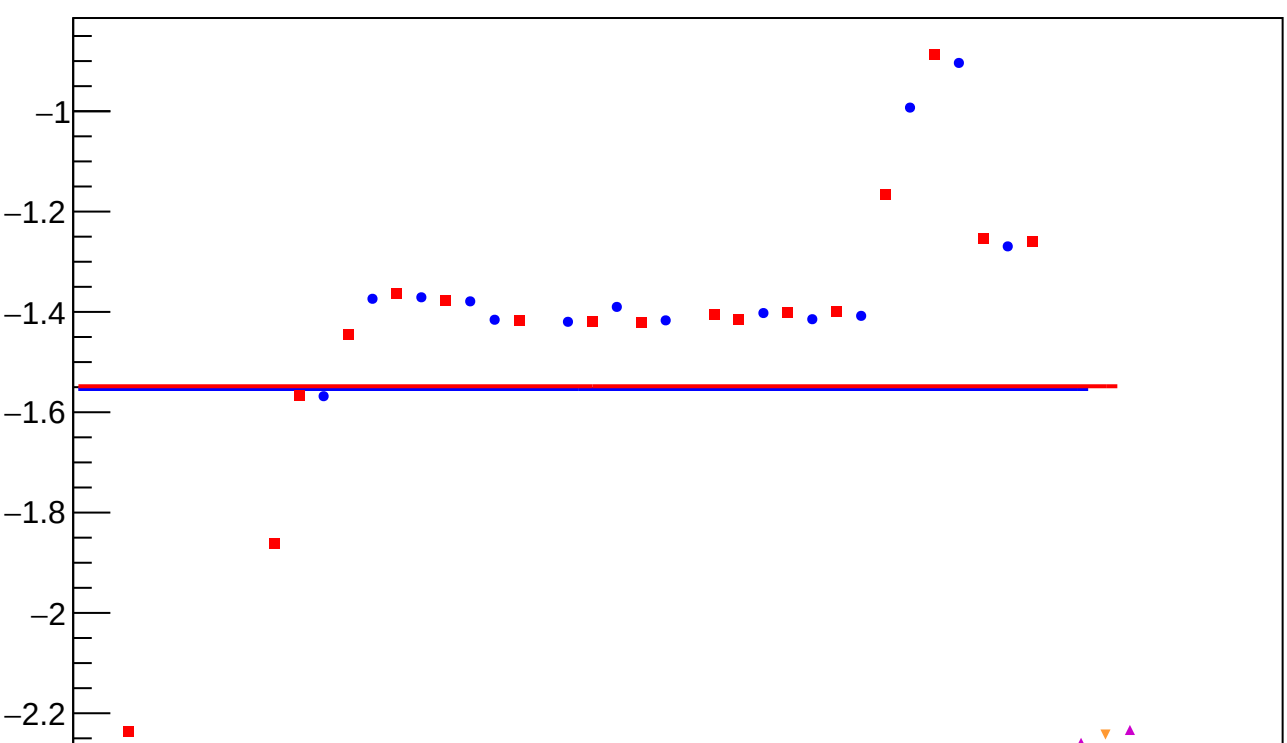
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:326.6/2

+ sign 0.007+/-0.000 χ^2/NDF: 395156.8/20

All: 0.007+/-0.000 χ^2/NDF: 780734.0/42

- sign 0.007+/-0.000 χ^2/NDF: 376145.0/21



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

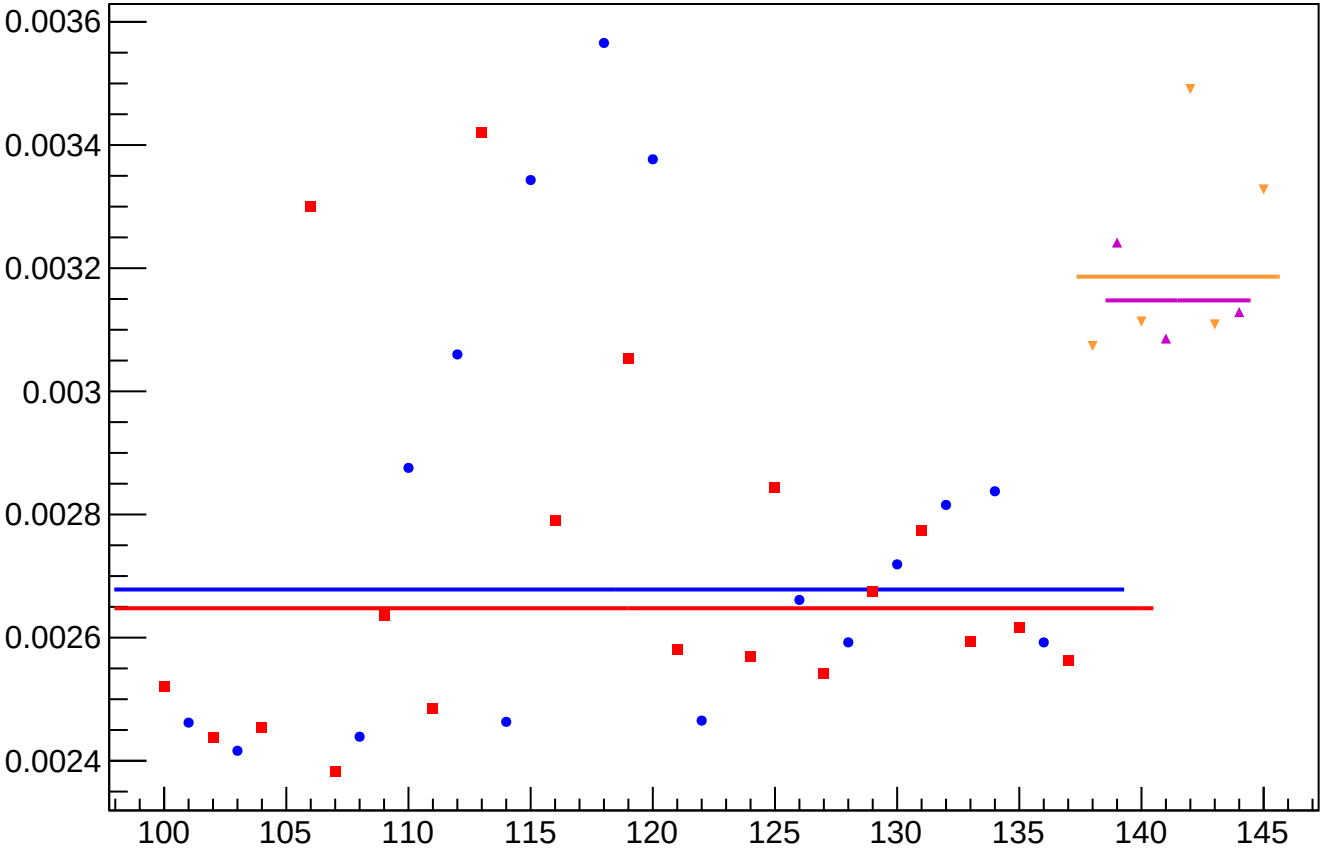
Left In: -2.273+/-0.000 χ^2/NDF:370966334.0/2

+ sign -1.738+/-0.000 χ^2/NDF: 302589881321.8/20

All: -1.712+/-0.000 χ^2/NDF: 579119974475.1

- sign -1.686+/-0.000 χ^2/NDF: 274823871343.0/21

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

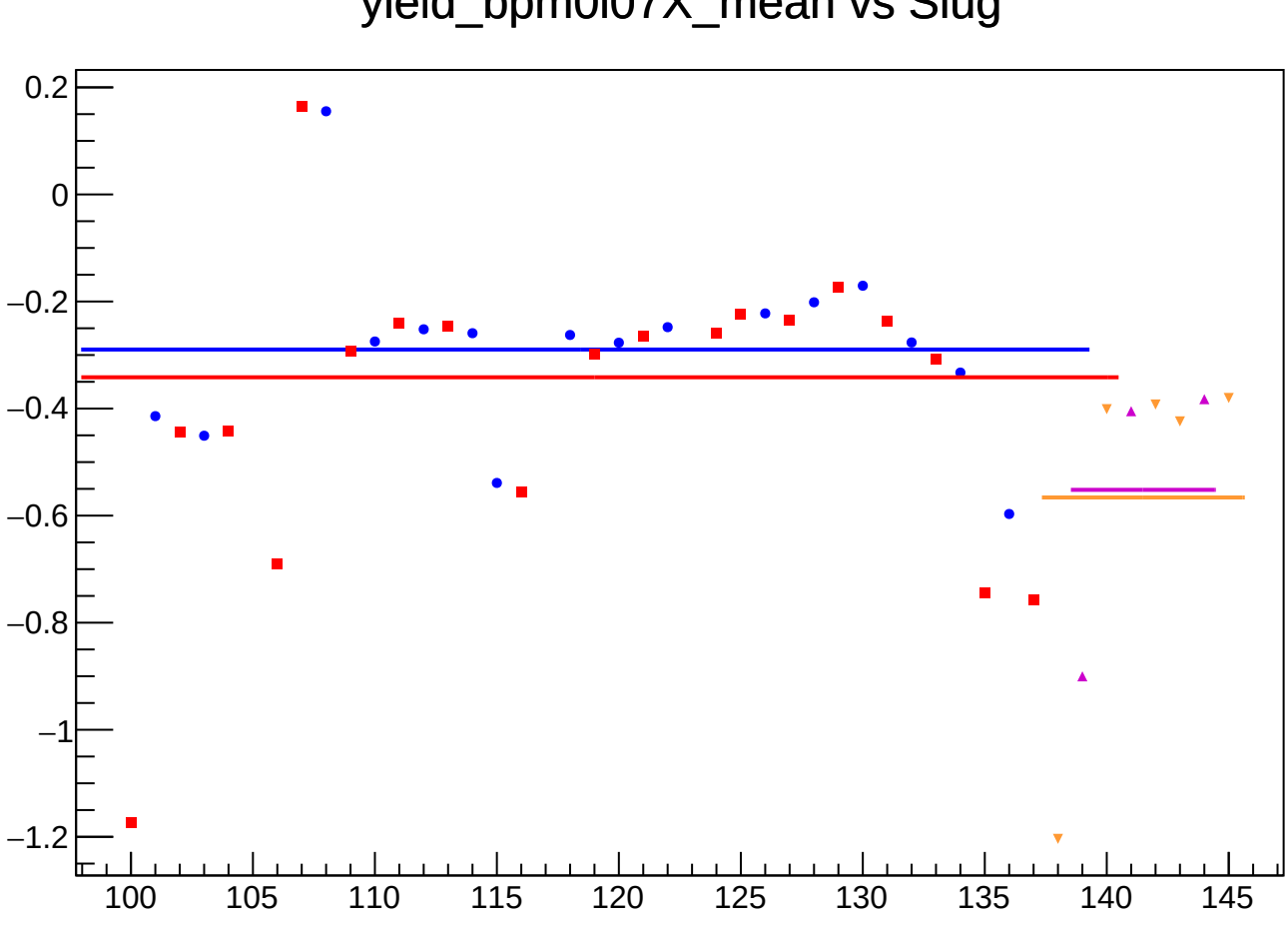
Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:1932.2/2

+ sign 0.003+/-0.000 χ^2/NDF: 290975.2/20

All: 0.003+/-0.000 χ^2/NDF: 508820.8/42

- sign 0.003+/-0.000 χ^2/NDF: 212911.8/21



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

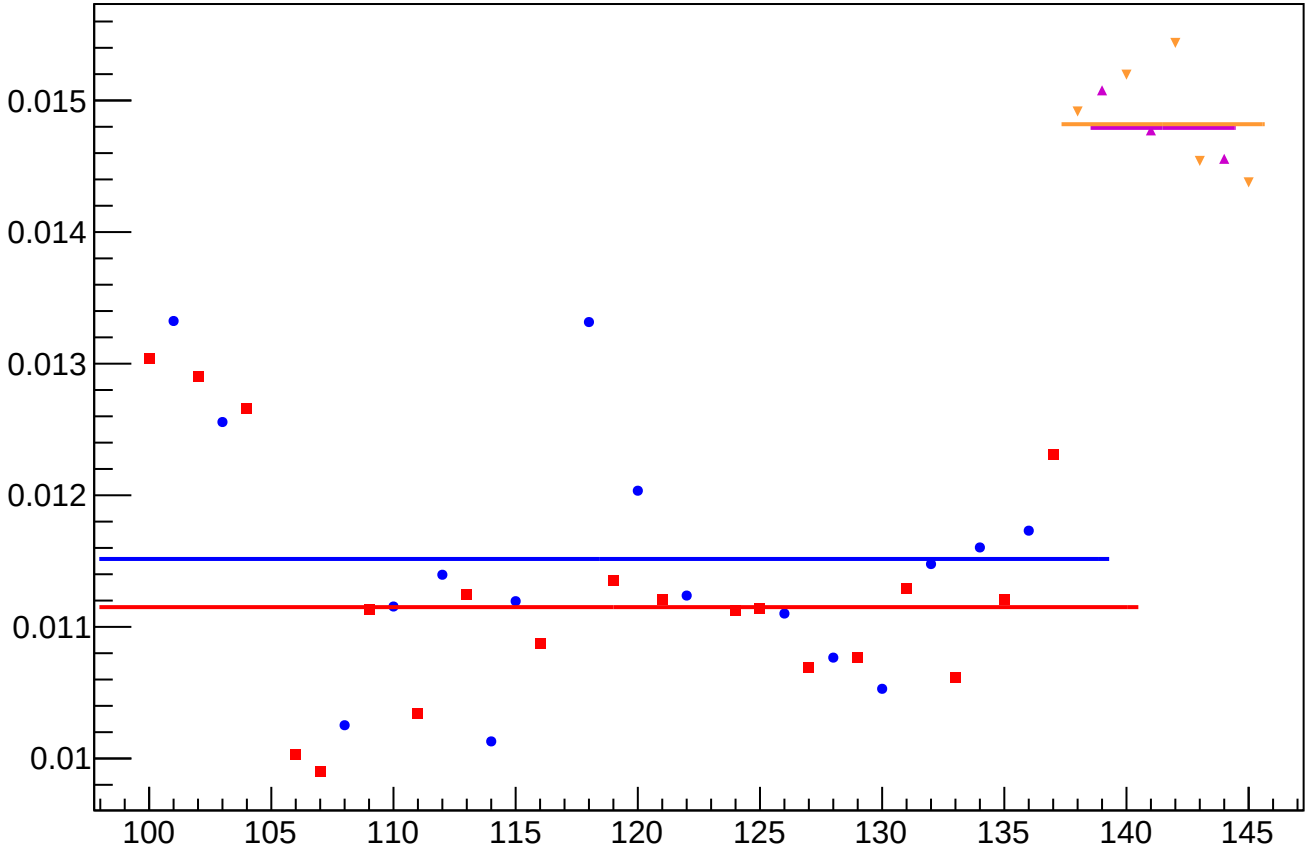
Left In: -0.552+/-0.000 χ^2/NDF:620354515.4/2

\+ sign -0.352+/-0.000 χ^2/NDF: 4168583649.4/20

All: -0.364+/-0.000 χ^2/NDF: 7832457365.2/4

\- sign -0.375+/-0.000 χ^2/NDF: 3645624690.4/21

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

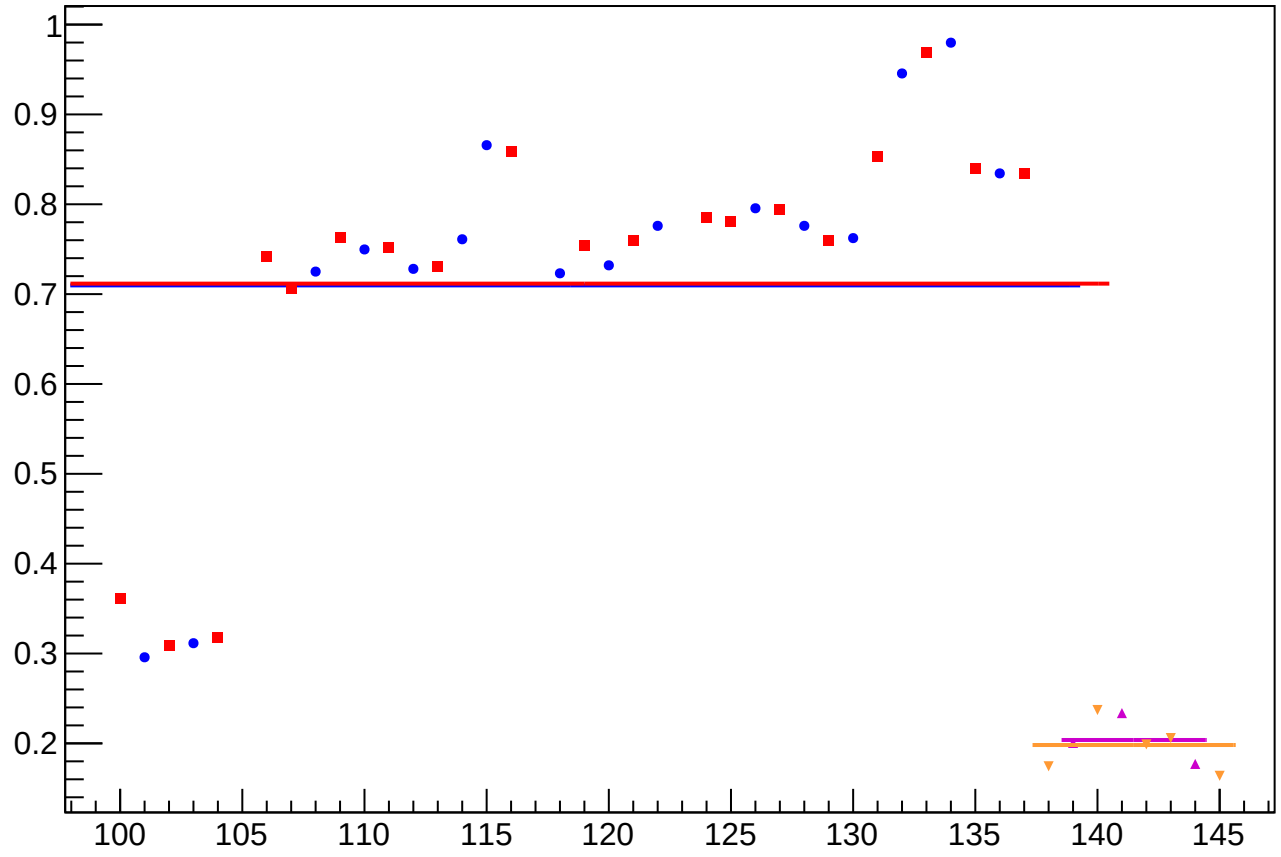
Left In: 0.015+/-0.000 χ^2/NDF:1011.4/2

+ sign 0.012+/-0.000 χ^2/NDF: 346512.5/20

All: 0.012+/-0.000 χ^2/NDF: 686724.7/42

- sign 0.012+/-0.000 χ^2/NDF: 321140.5/21

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

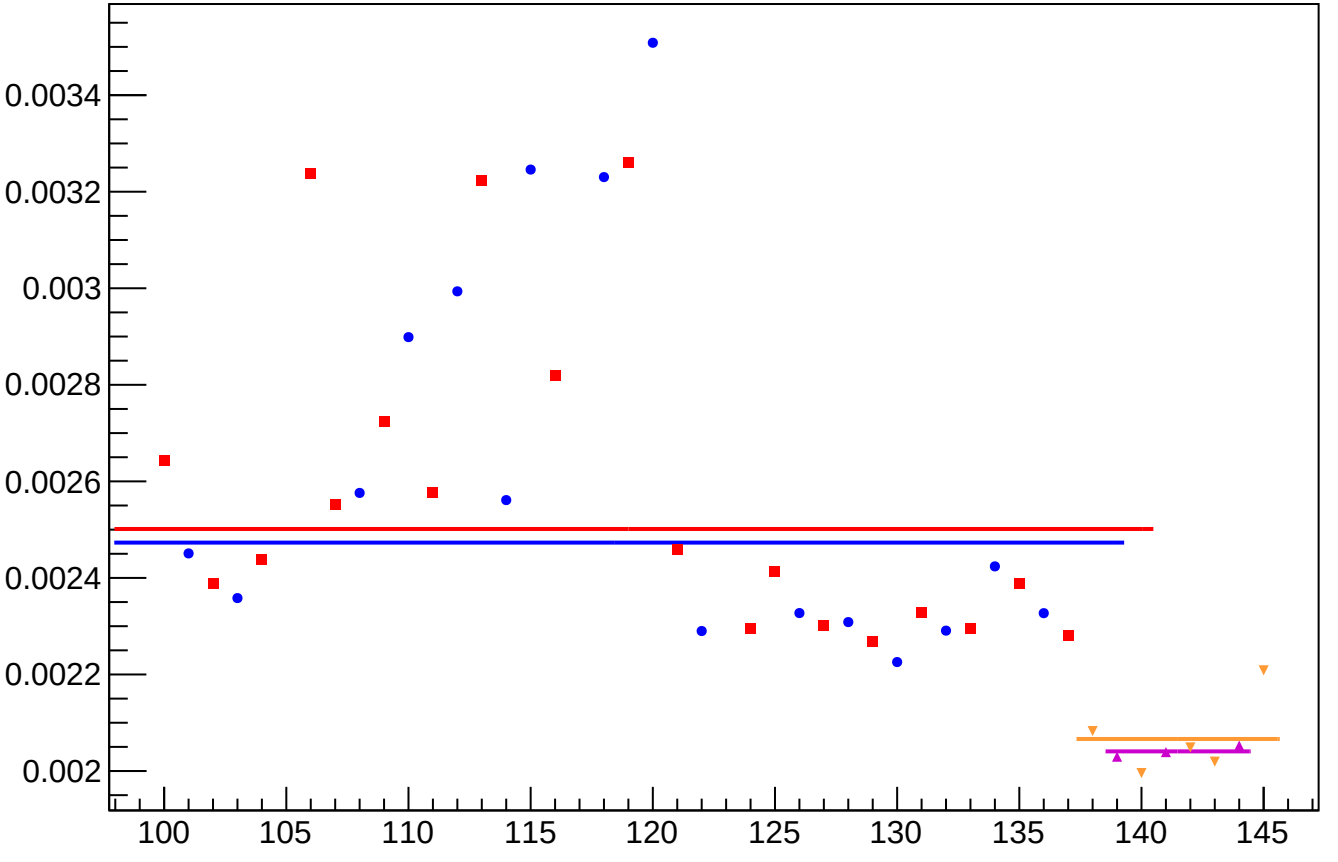
Left In: 0.204+/-0.000 χ^2/NDF:340783372.7/2

+ sign 0.488+/-0.000 χ^2/NDF: 175956472314.0/20

All: 0.508+/-0.000 χ^2/NDF: 325891673544.4

- sign 0.530+/-0.000 χ^2/NDF: 148313603254.2/21

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

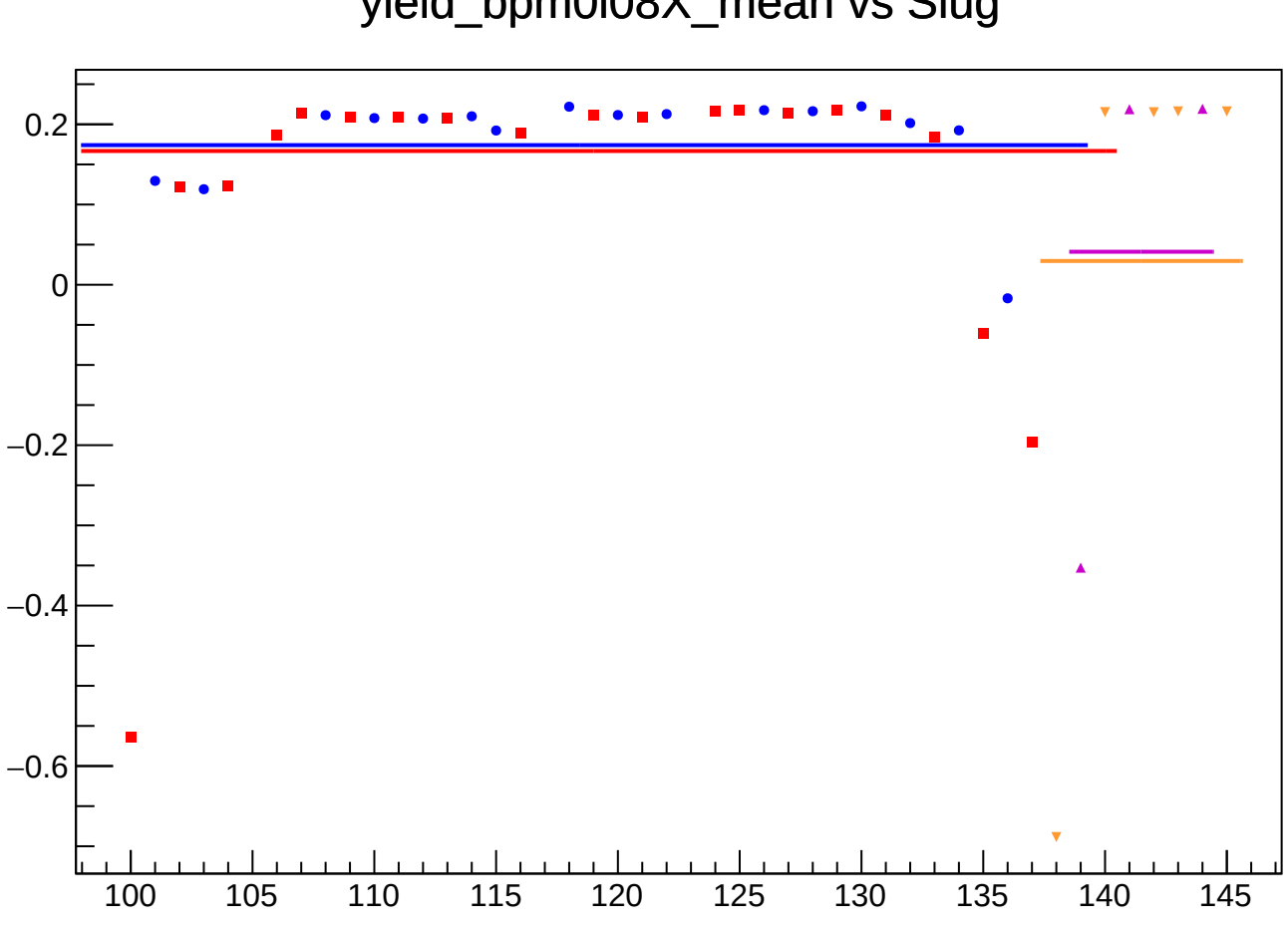
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:111.6/2

+ sign 0.002+/-0.000 χ^2/NDF: 377571.1/20

All: 0.002+/-0.000 χ^2/NDF: 728803.8/42

- sign 0.002+/-0.000 χ^2/NDF: 348326.9/21



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

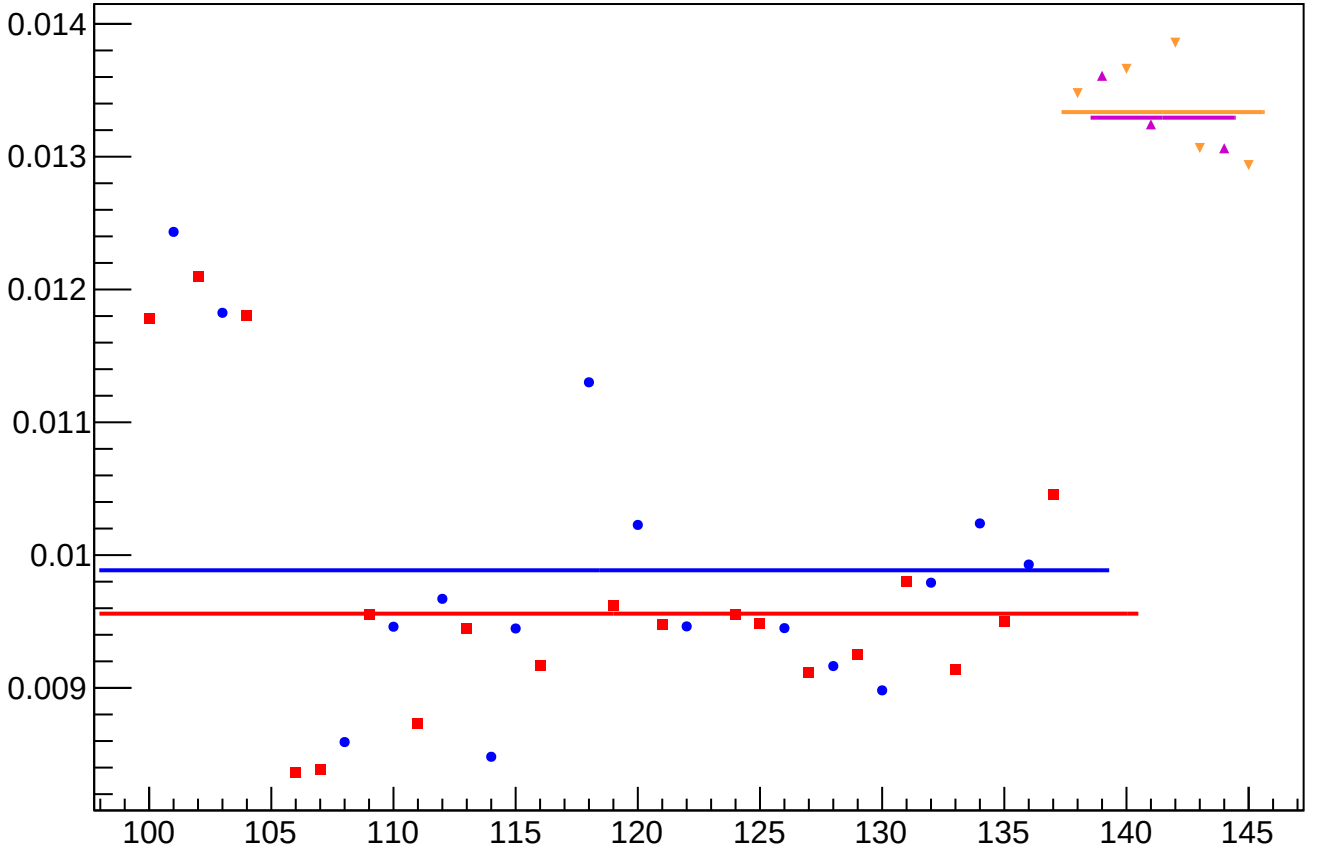
Left In: 0.041+/-0.000 χ^2/NDF:976308144.1/2

+ sign 0.143+/-0.000 χ^2/NDF: 3240423175.9/20

All: 0.146+/-0.000 χ^2/NDF: 5298491809.6/42

- sign 0.148+/-0.000 χ^2/NDF: 2057159655.7/21

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

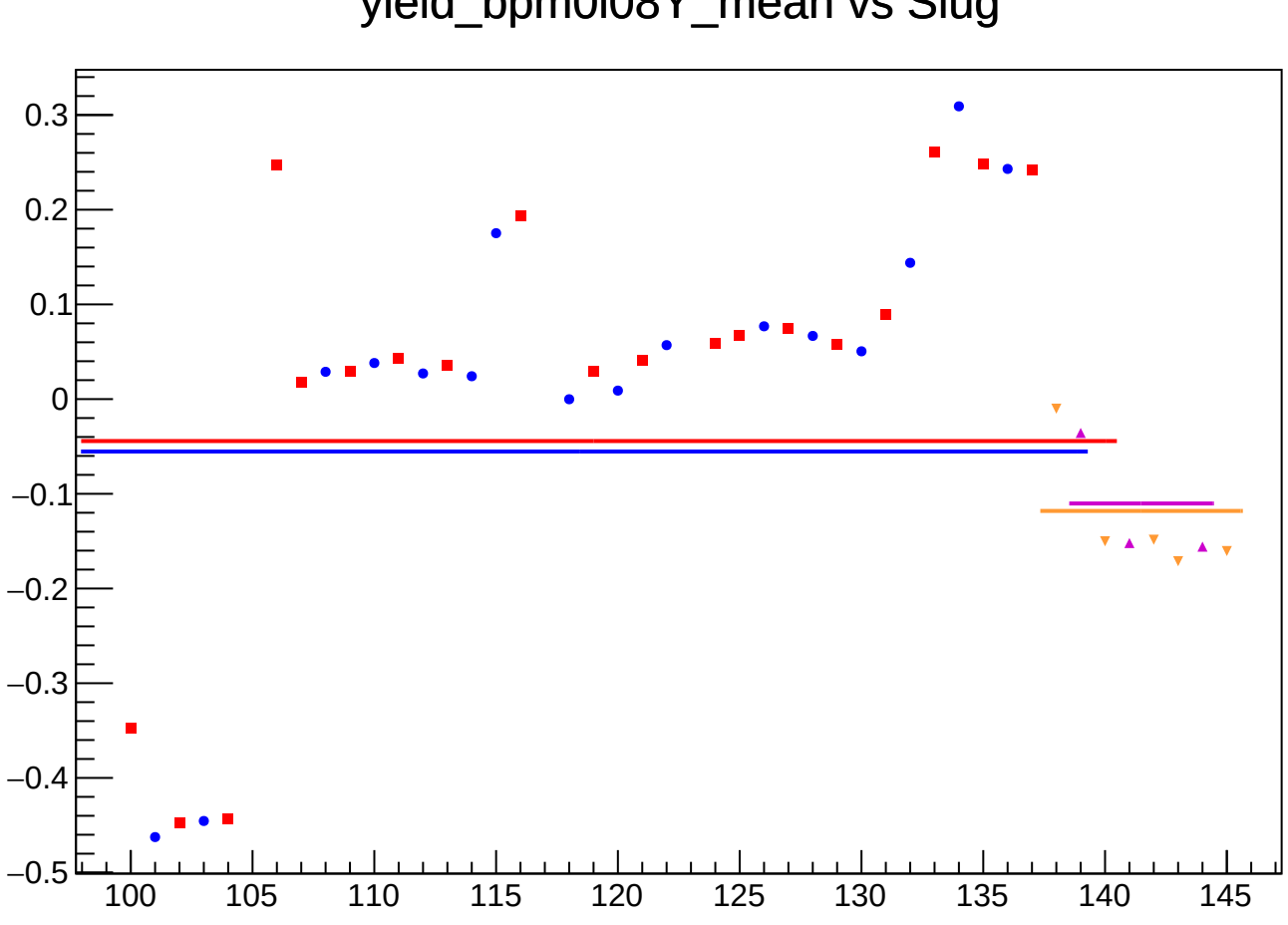
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:1408.4/2

+ sign 0.011+/-0.000 χ^2/NDF: 507525.1/20

All: 0.010+/-0.000 χ^2/NDF: 997886.3/42

- sign 0.010+/-0.000 χ^2/NDF: 467820.5/21



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

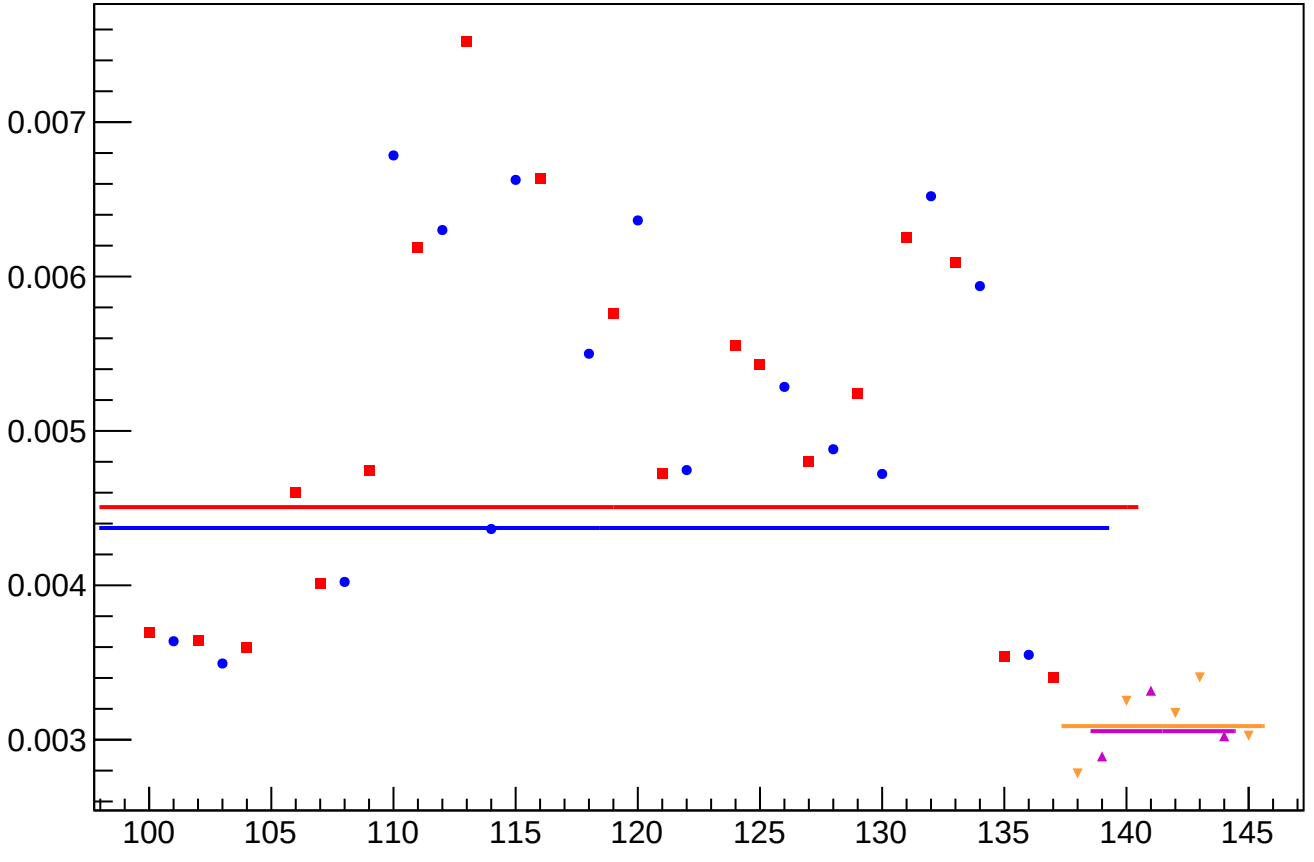
Left In: -0.110+/-0.000 χ^2/NDF:857651446.4/2

+ sign -0.088+/-0.000 χ^2/NDF: 26278397096.9/20

All: -0.082+/-0.000 χ^2/NDF: 49953121925.8/

- sign -0.074+/-0.000 χ^2/NDF: 23615150879.5/21

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

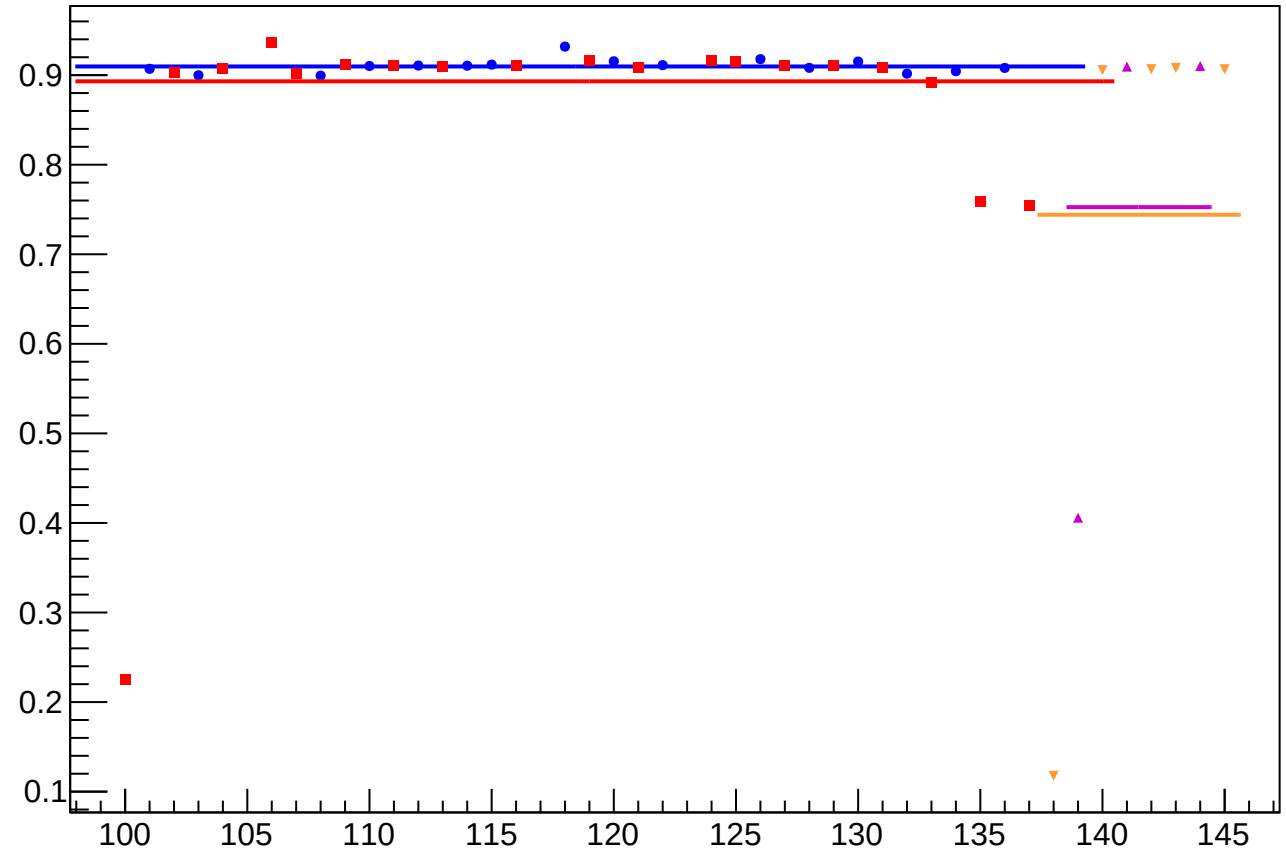
Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:15247.7/2

+ sign 0.004+/-0.000 χ^2/NDF: 1244773.5/20

All: 0.004+/-0.000 χ^2/NDF: 2579843.8/42

- sign 0.004+/-0.000 χ^2/NDF: 1321798.1/21



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

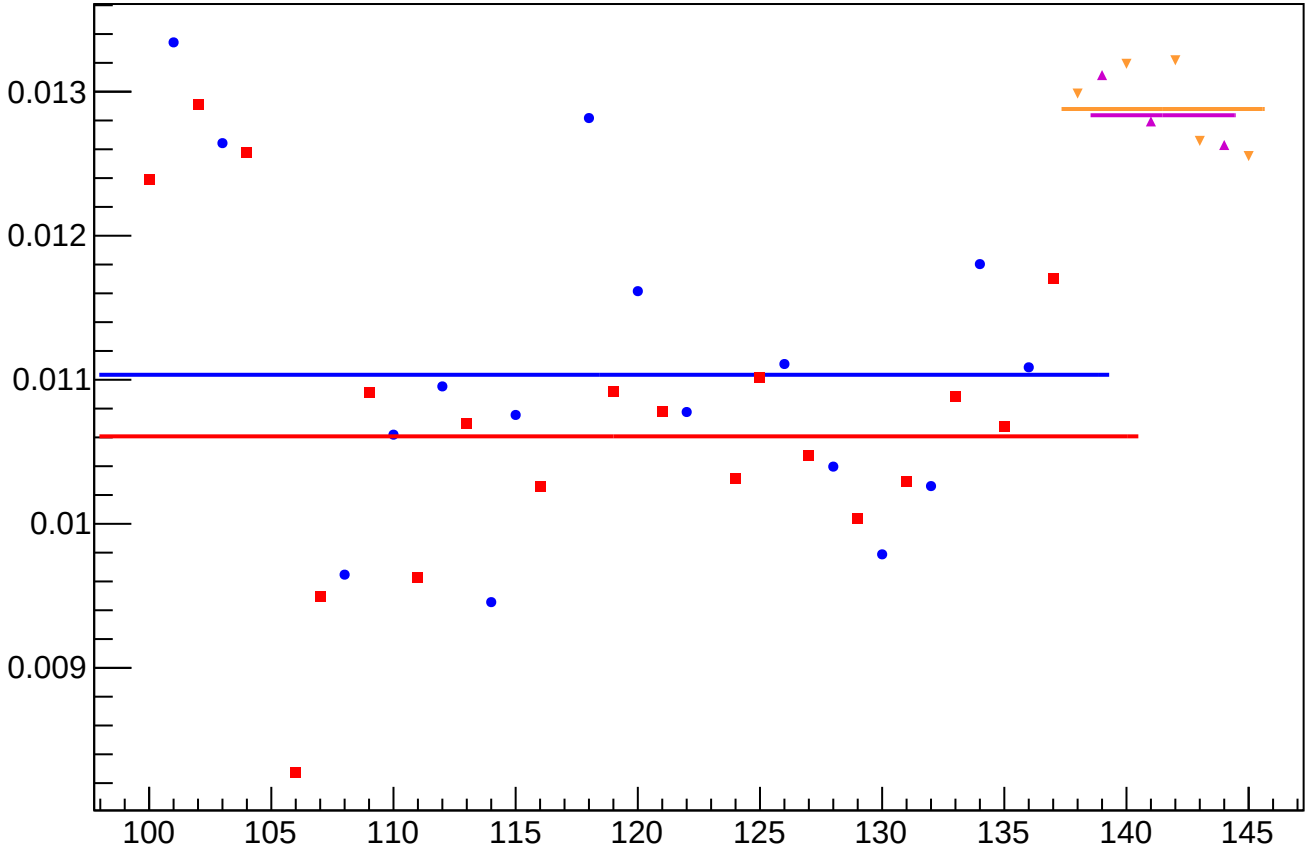
Left In: 0.753+/-0.000 χ^2/NDF:822691091.1/2

+ sign 0.865+/-0.000 χ^2/NDF: 2507173655.9/20

All: 0.866+/-0.000 χ^2/NDF: 3898778790.3/42

- sign 0.866+/-0.000 χ^2/NDF: 1391579749.2/21

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

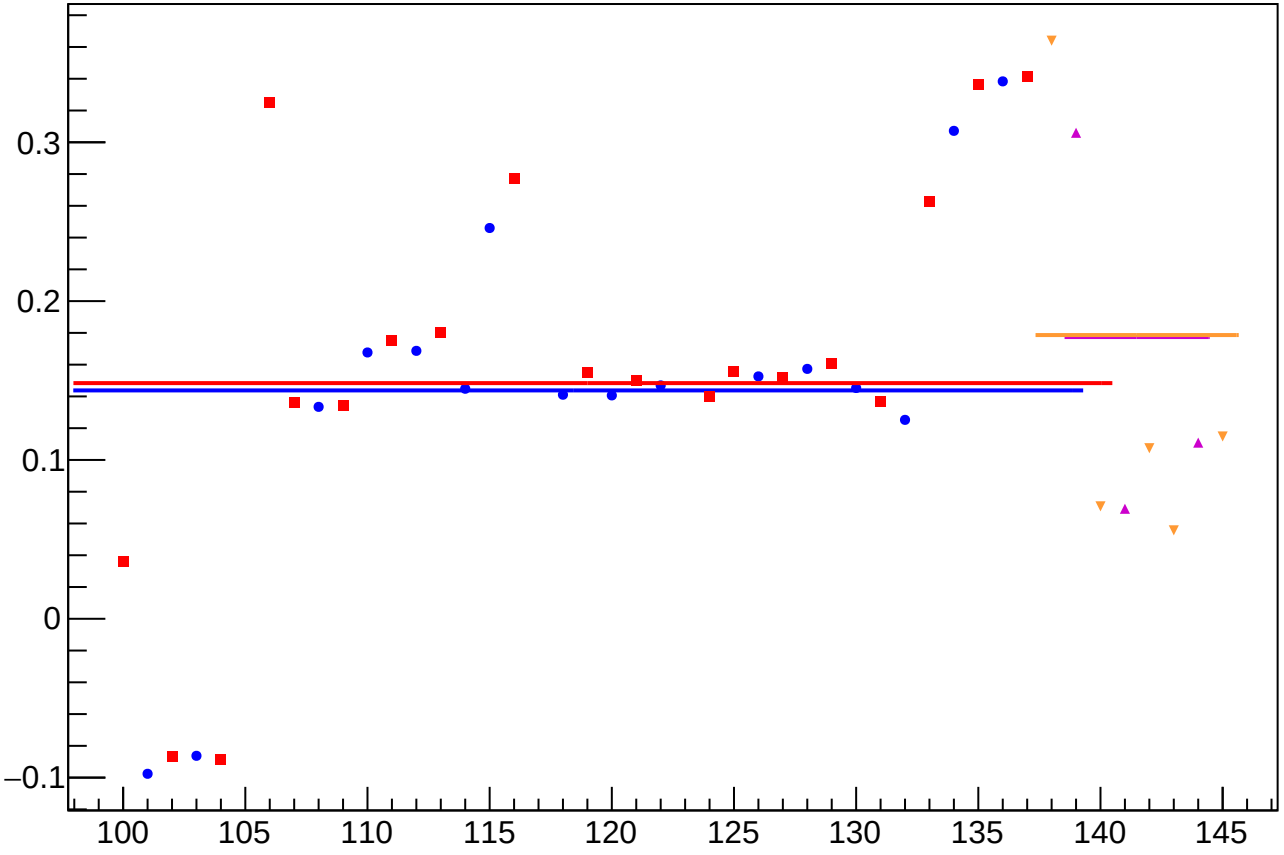
Left In: 0.013+/-0.000 χ^2/NDF:1203.9/2

+ sign 0.012+/-0.000 χ^2/NDF: 235850.7/20

All: 0.011+/-0.000 χ^2/NDF: 521443.5/42

- sign 0.011+/-0.000 χ^2/NDF: 266492.5/21

yield_bpm0l09Y_mean vs Slug



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

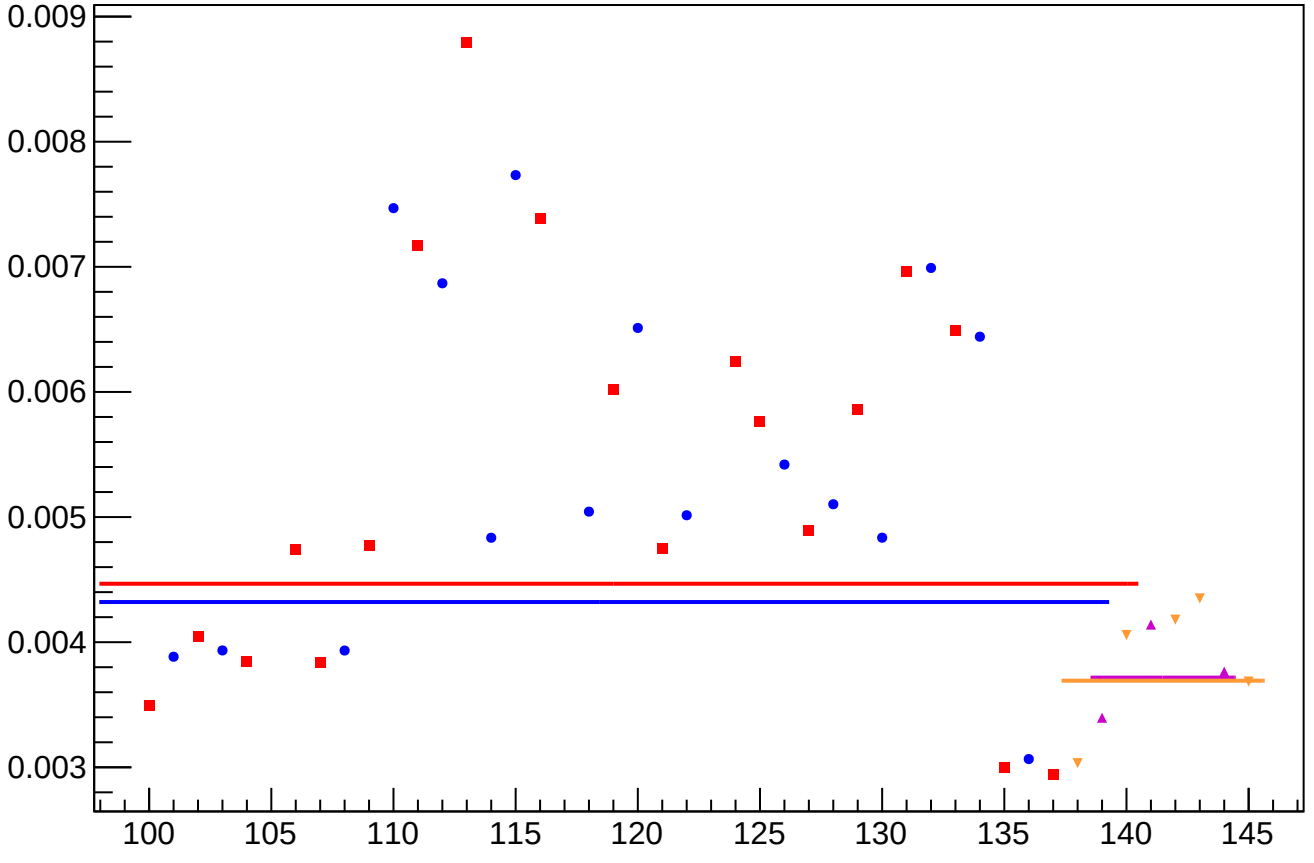
Left In: 0.177+/-0.000 χ^2/NDF:1872888362.4/2

+ sign 0.159+/-0.000 χ^2/NDF: 11993320116.2/20

All: 0.159+/-0.000 χ^2/NDF: 21085218542.0/4

- sign 0.159+/-0.000 χ^2/NDF: 9091894332.9/21

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

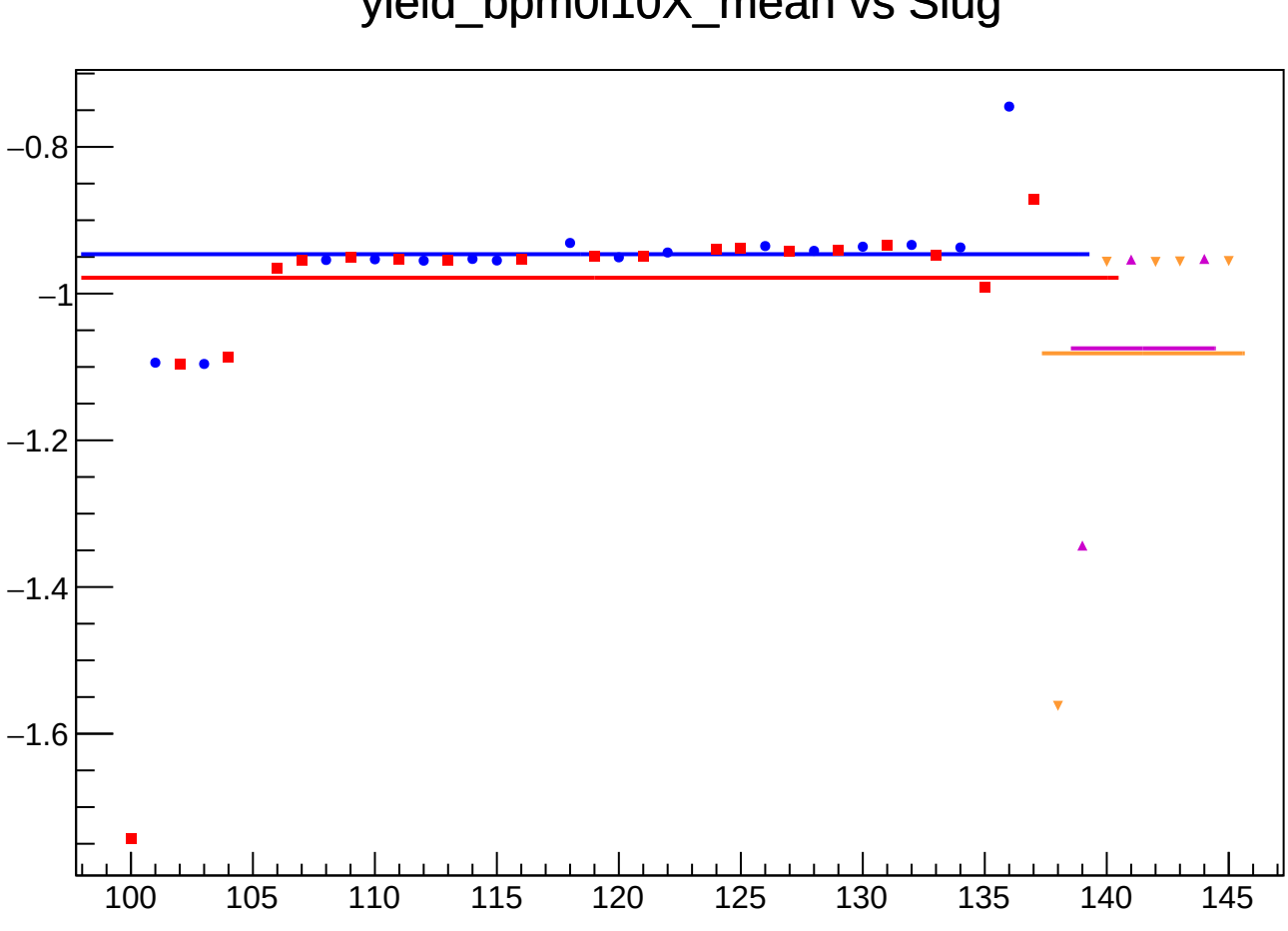
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:29768.5/2

+ sign 0.004+/-0.000 χ^2/NDF: 1101516.1/20

All: 0.004+/-0.000 χ^2/NDF: 2348556.4/42

- sign 0.004+/-0.000 χ^2/NDF: 1236601.5/21



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

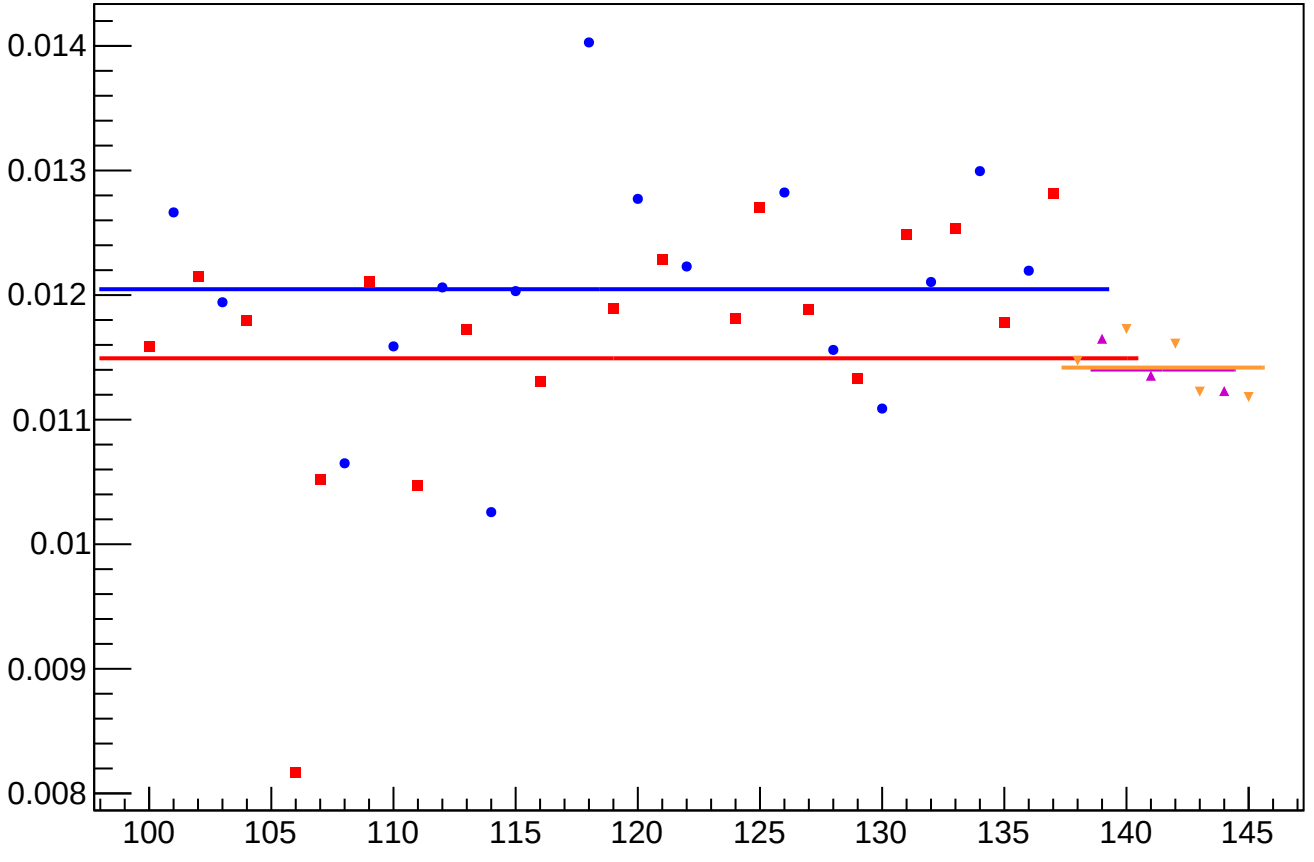
Left In: -1.075+/-0.000 χ^2/NDF:629912226.0/2

+ sign -0.995+/-0.000 χ^2/NDF: 2302433669.2/20

All: -0.999+/-0.000 χ^2/NDF: 3528037698.4/4

- sign -1.004+/-0.000 χ^2/NDF: 1222618663.4/21

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

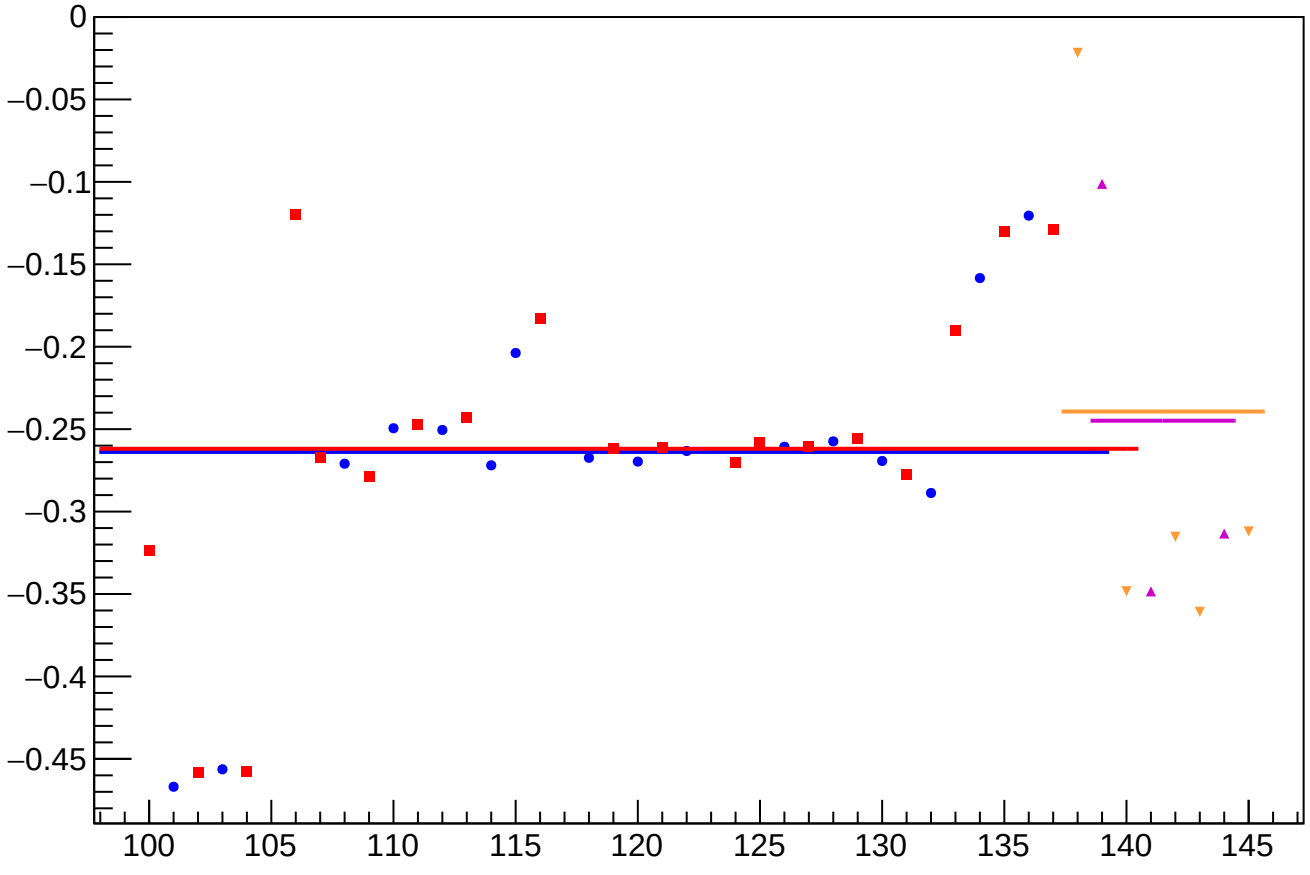
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:1170.1/2

+ sign 0.012+/-0.000 χ^2/NDF: 78377.0/20

All: 0.012+/-0.000 χ^2/NDF: 240263.6/42

- sign 0.011+/-0.000 χ^2/NDF: 152712.7/21



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.239+/-0.000 χ^2/NDF:3759039780.9/4

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

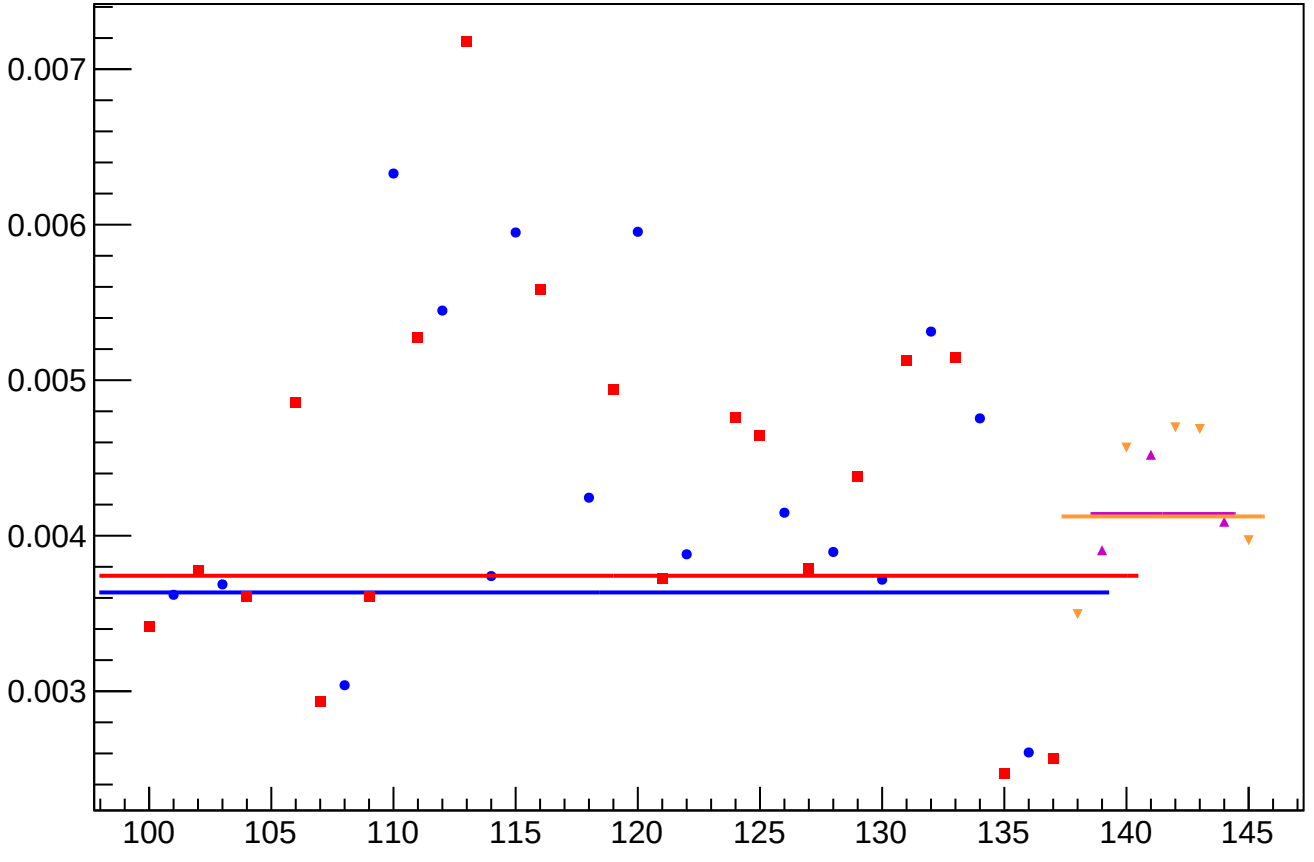
Left In: -0.245+/-0.000 χ^2/NDF:1606951053.1/2

+ sign -0.257+/-0.000 χ^2/NDF: 9942107602.4/20

All: -0.257+/-0.000 χ^2/NDF: 16828806868.0/

- sign -0.258+/-0.000 χ^2/NDF: 6886223583.0/21

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

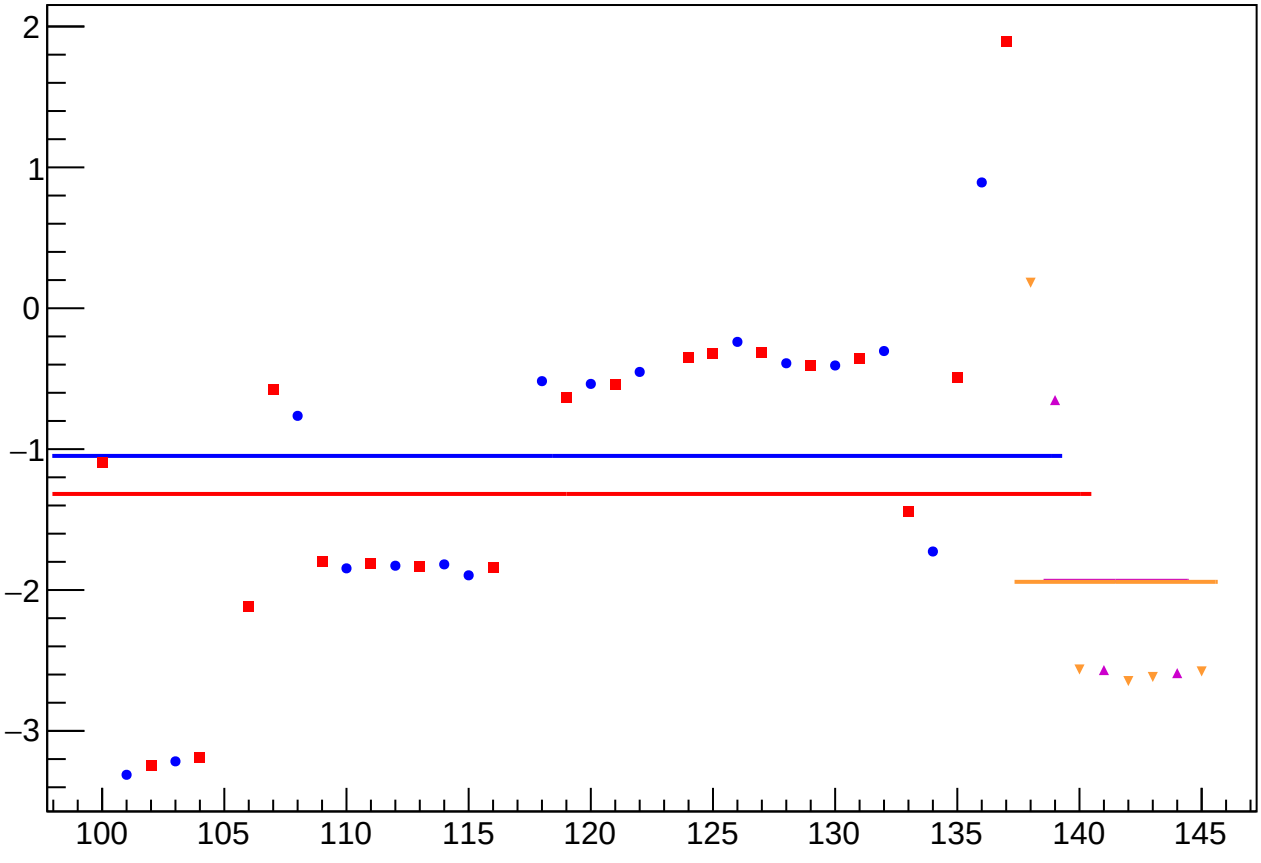
Left In: 0.004+/-0.000 χ^2/NDF:15838.6/2

+ sign 0.004+/-0.000 χ^2/NDF: 878461.6/20

All: 0.004+/-0.000 χ^2/NDF: 1822205.6/42

- sign 0.004+/-0.000 χ^2/NDF: 941819.1/21

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

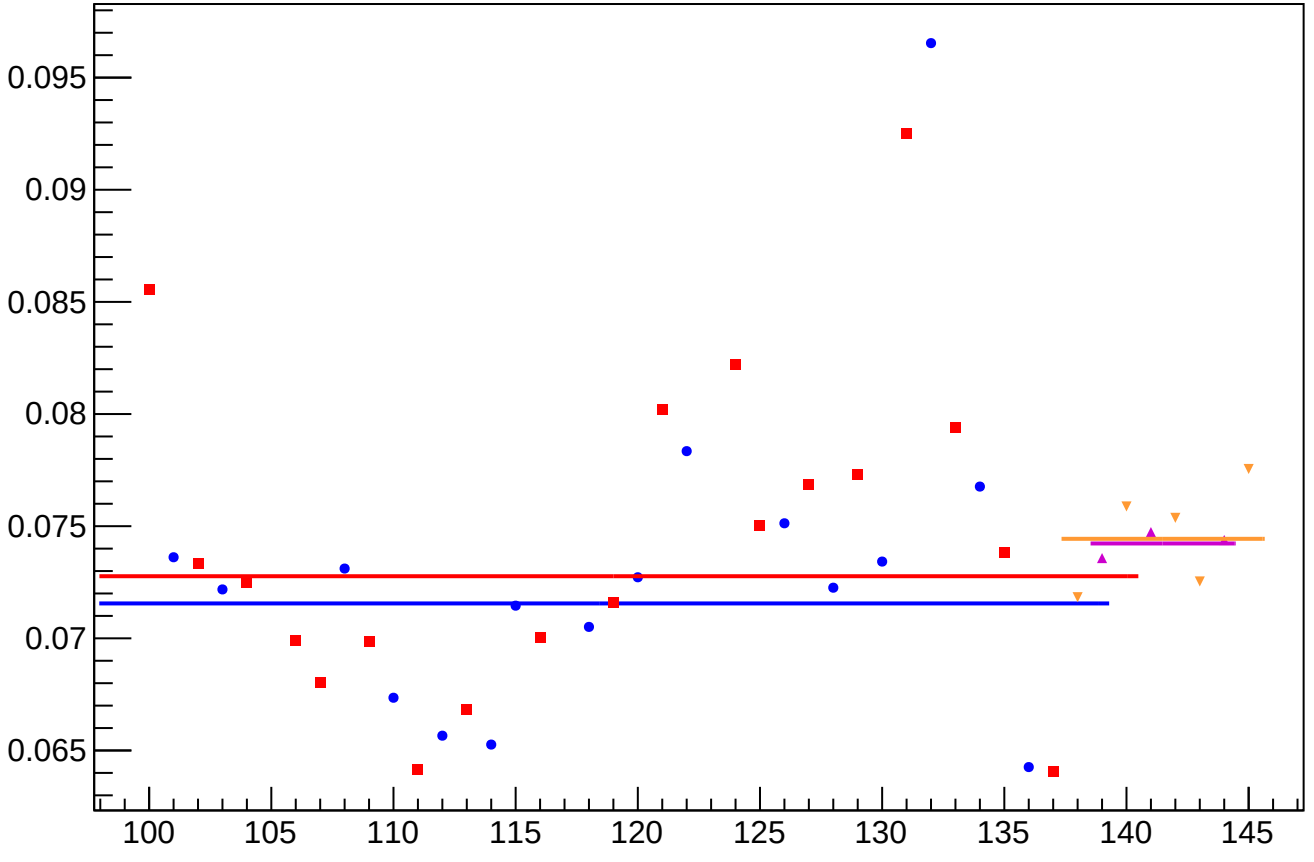
Left In: -1.935+/-0.000 χ^2/NDF:384953808.3/2

+ sign -1.332+/-0.000 χ^2/NDF: 3582803937.3/20

All: -1.400+/-0.000 χ^2/NDF: 5967178325.8/4

- sign -1.474+/-0.000 χ^2/NDF: 2365066625.2/21

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

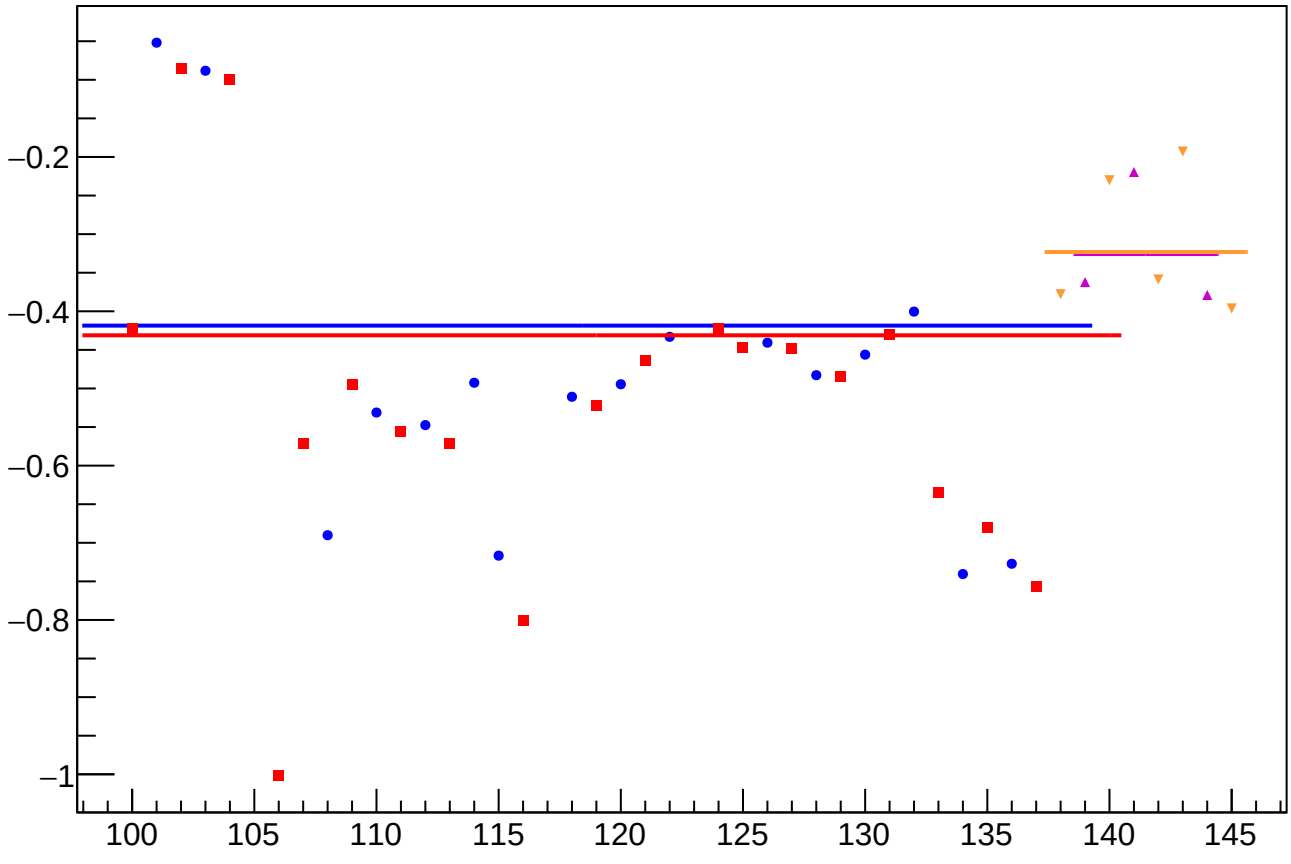
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.074+/-0.000 χ^2/NDF:218.0/2

+ sign 0.072+/-0.000 χ^2/NDF: 114791.8/20

All: 0.073+/-0.000 χ^2/NDF: 214219.3/42

- sign 0.073+/-0.000 χ^2/NDF: 98574.4/21



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

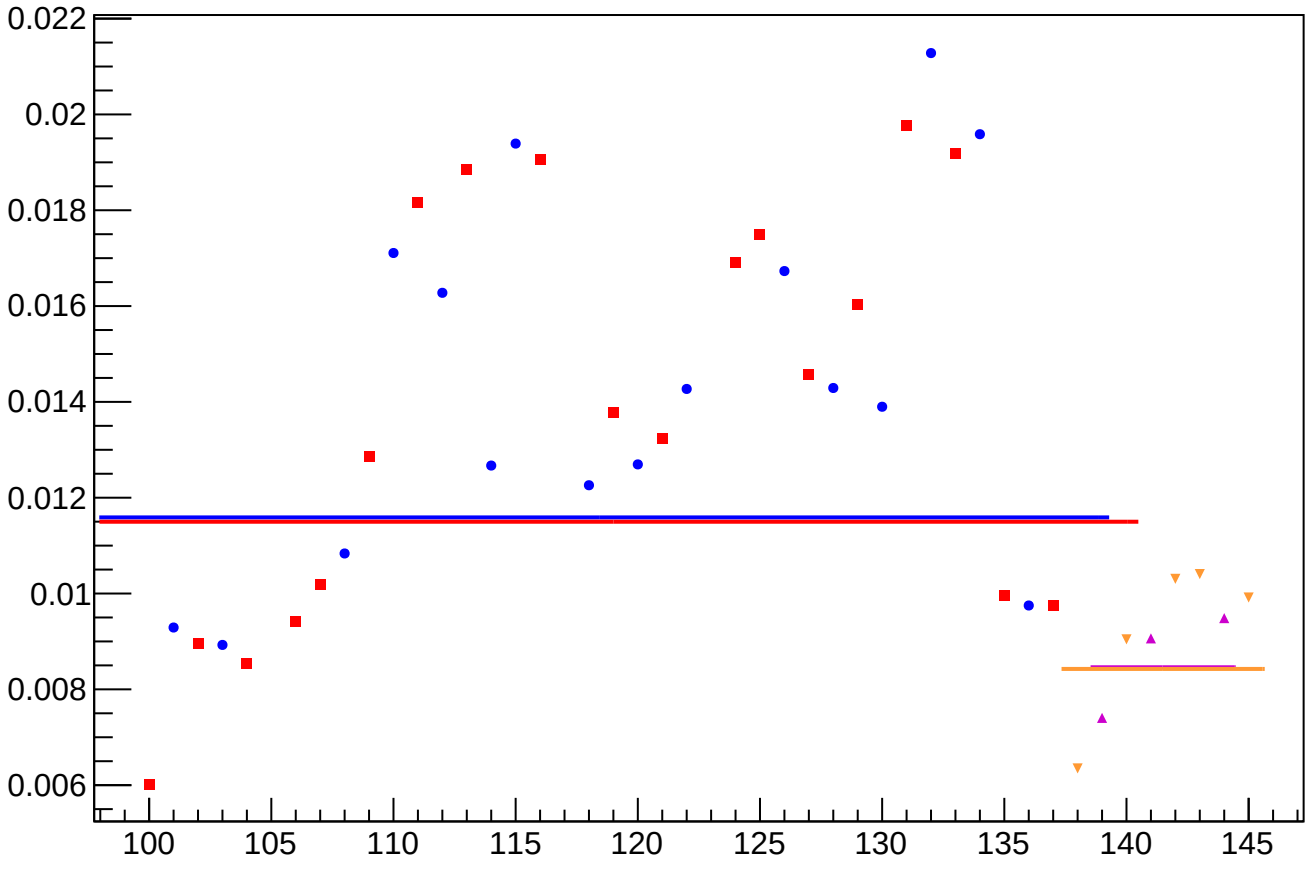
Left In: -0.326+/-0.000 χ^2/NDF:150262537.5/2

+ sign -0.371+/-0.000 χ^2/NDF: 3552064887.5/20

All: -0.379+/-0.000 χ^2/NDF: 7120155389.5/4

- sign -0.387+/-0.000 χ^2/NDF: 3557691477.6/21

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:267102.9/4

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

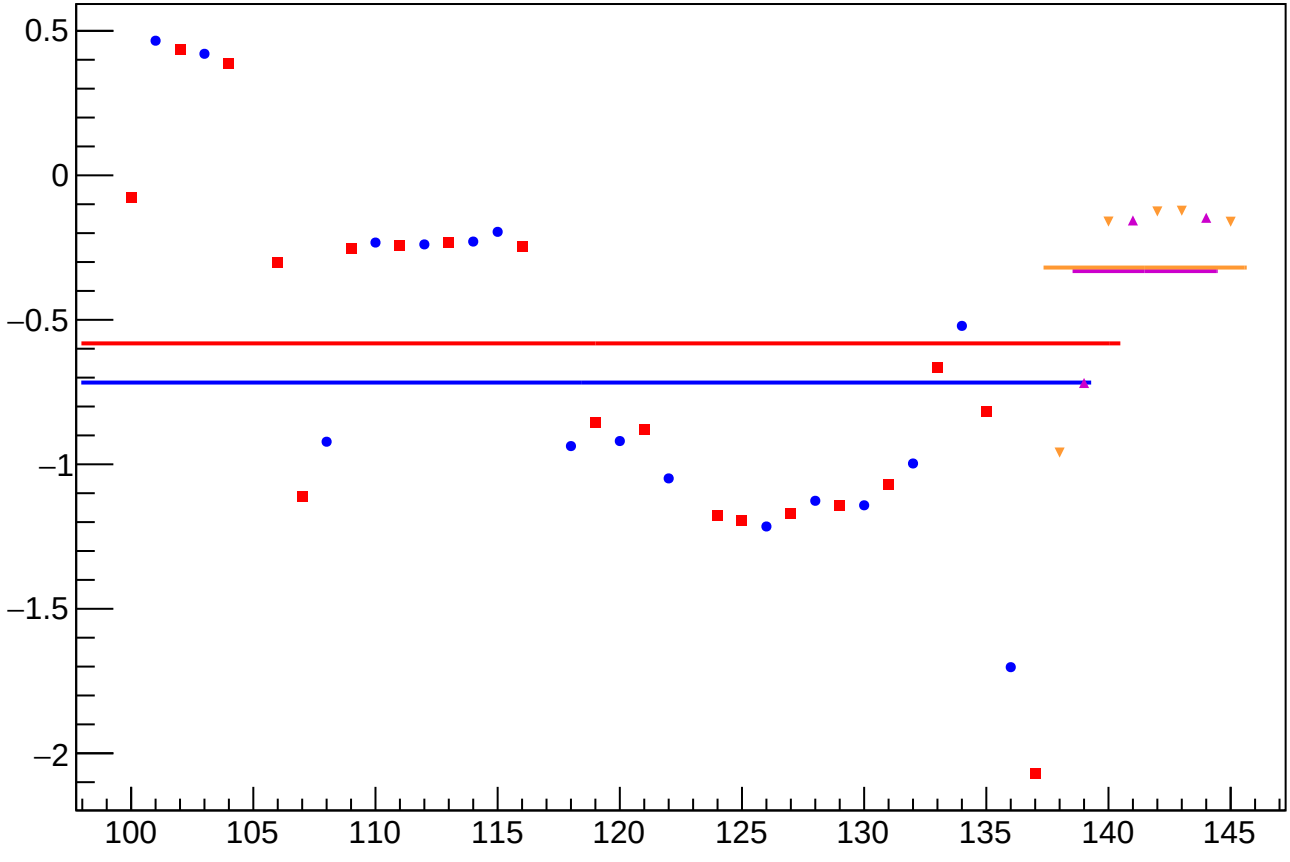
Left In: 0.008+/-0.000 χ^2/NDF:57603.7/2

+ sign 0.010+/-0.000 χ^2/NDF: 1493922.3/20

All: 0.010+/-0.000 χ^2/NDF: 3070458.7/42

- sign 0.010+/-0.000 χ^2/NDF: 1572929.9/21

yield_bpm0r05X_mean vs Slug



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

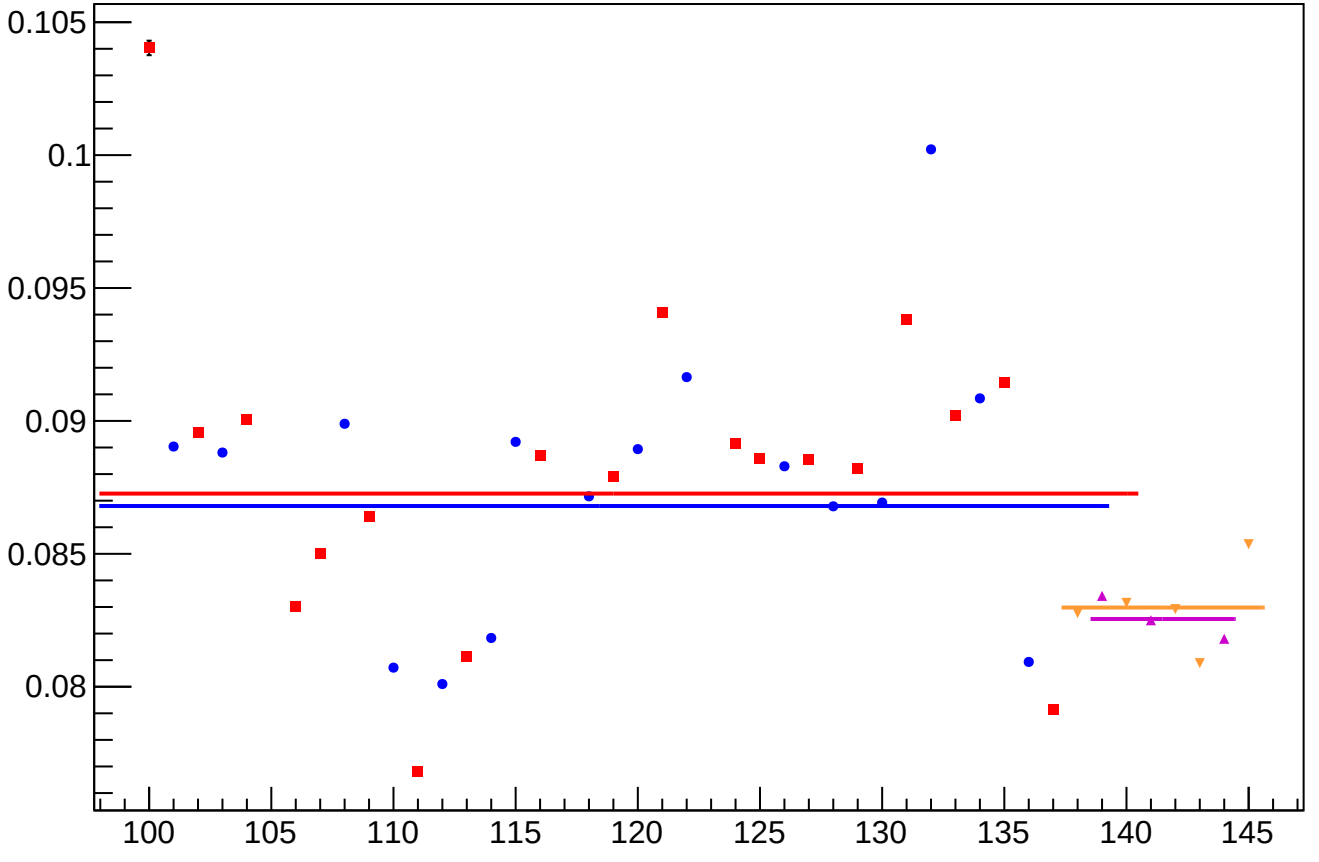
Left In: -0.331+/-0.000 χ^2/NDF:26682732.3/2

+ sign -0.575+/-0.000 χ^2/NDF: 550763795.0/20

All: -0.544+/-0.000 χ^2/NDF: 939621961.7/42

- sign -0.511+/-0.000 χ^2/NDF: 385965959.1/21

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

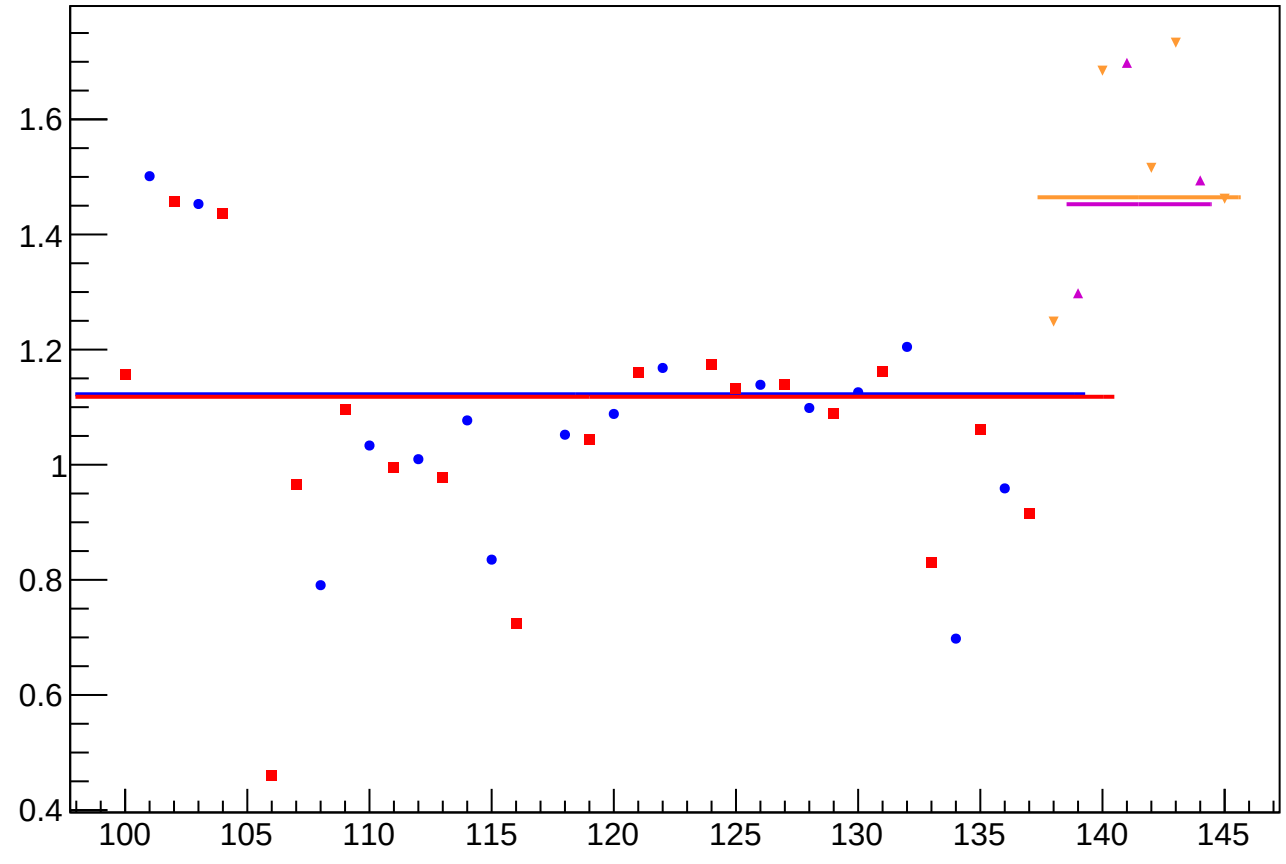
Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.083+/-0.000 χ^2/NDF:332.9/2

+ sign 0.085+/-0.000 χ^2/NDF: 55831.5/20

All: 0.086+/-0.000 χ^2/NDF: 114929.5/42

- sign 0.086+/-0.000 χ^2/NDF: 58738.4/21



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

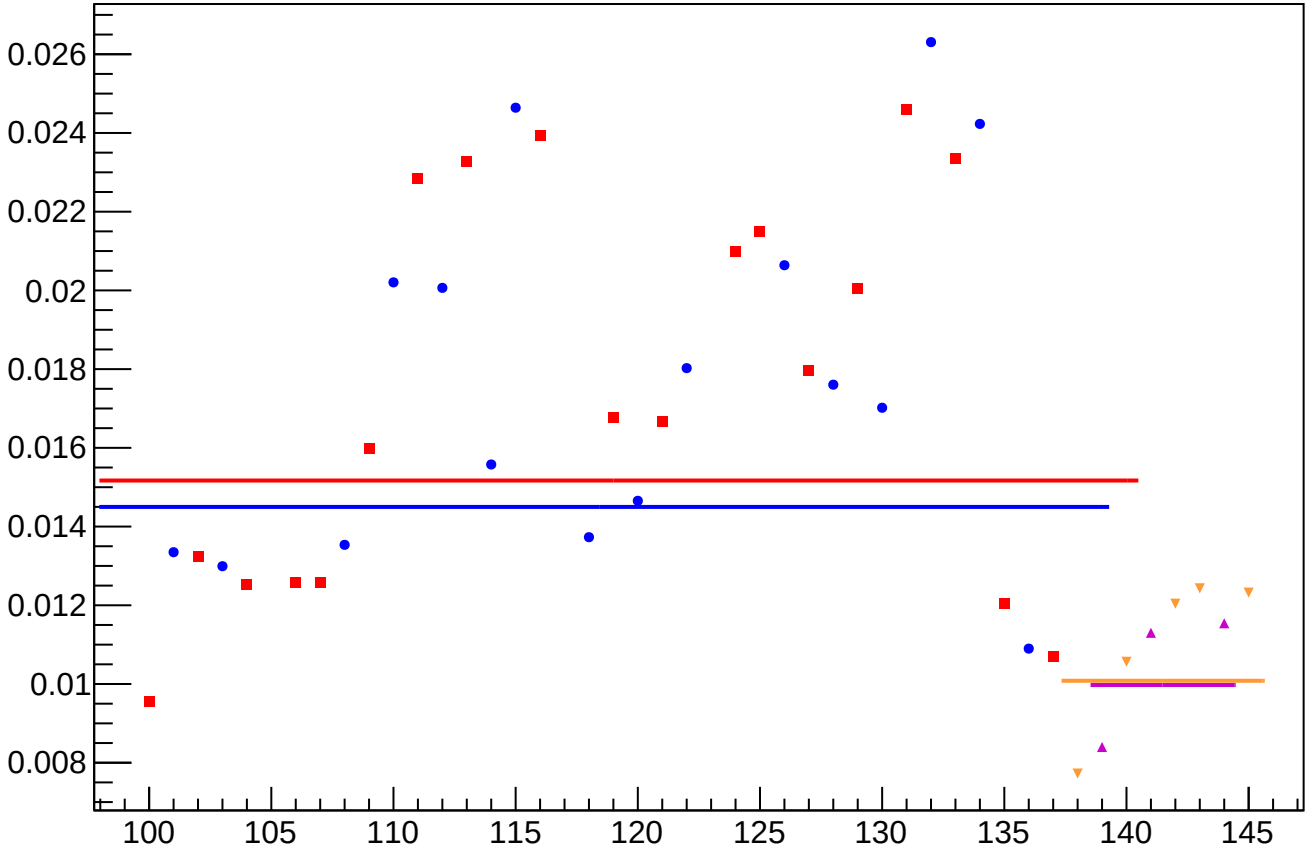
Left In: 1.453+/-0.000 χ^2/NDF:645840384.0/2

+ sign 1.301+/-0.000 χ^2/NDF: 4417724162.6/20

All: 1.289+/-0.000 χ^2/NDF: 8051379826.3/42

- sign 1.275+/-0.000 χ^2/NDF: 3614946064.5/21

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

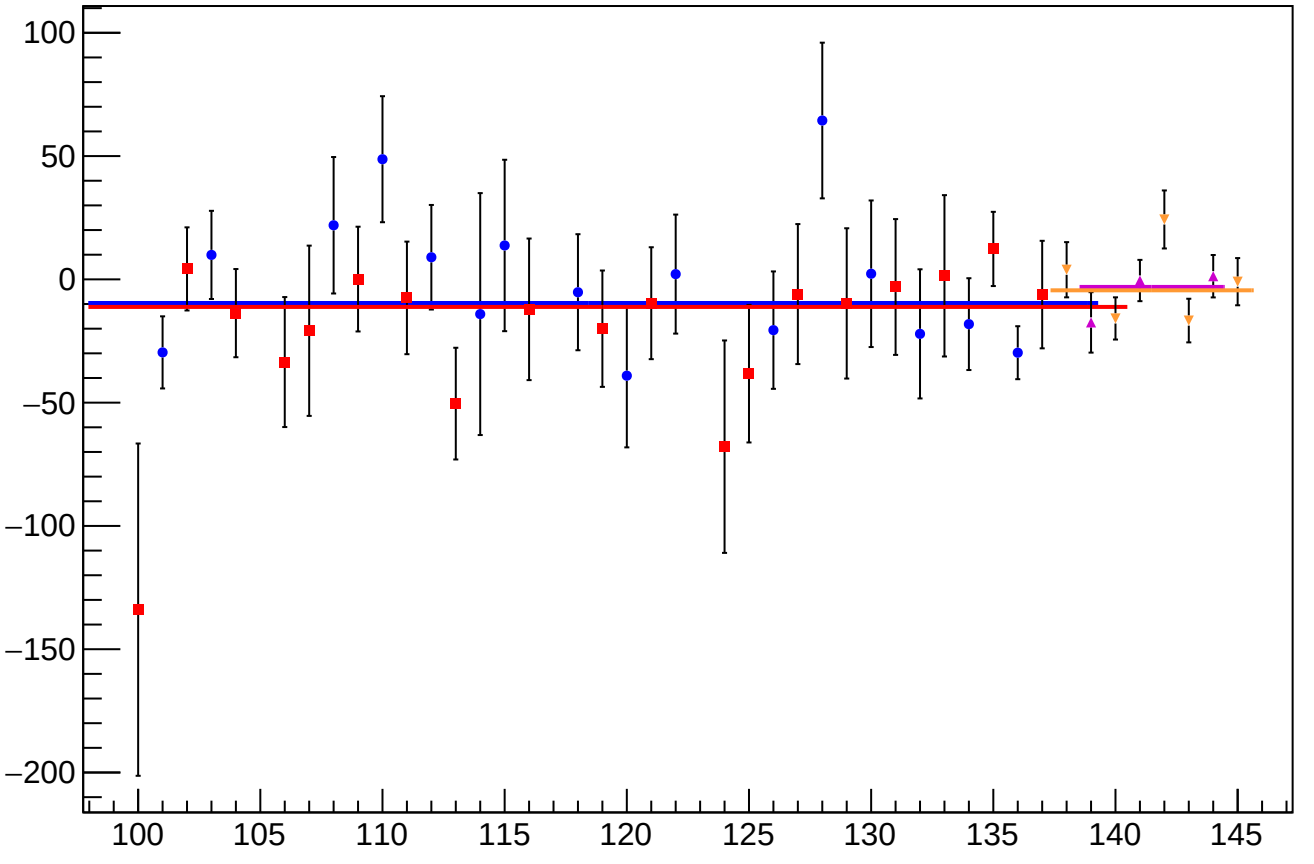
Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.010+/-0.000 χ^2/NDF:107804.4/2

+ sign 0.012+/-0.000 χ^2/NDF: 1551301.8/20

All: 0.012+/-0.000 χ^2/NDF: 3214446.0/42

- sign 0.013+/-0.000 χ^2/NDF: 1647184.2/21



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

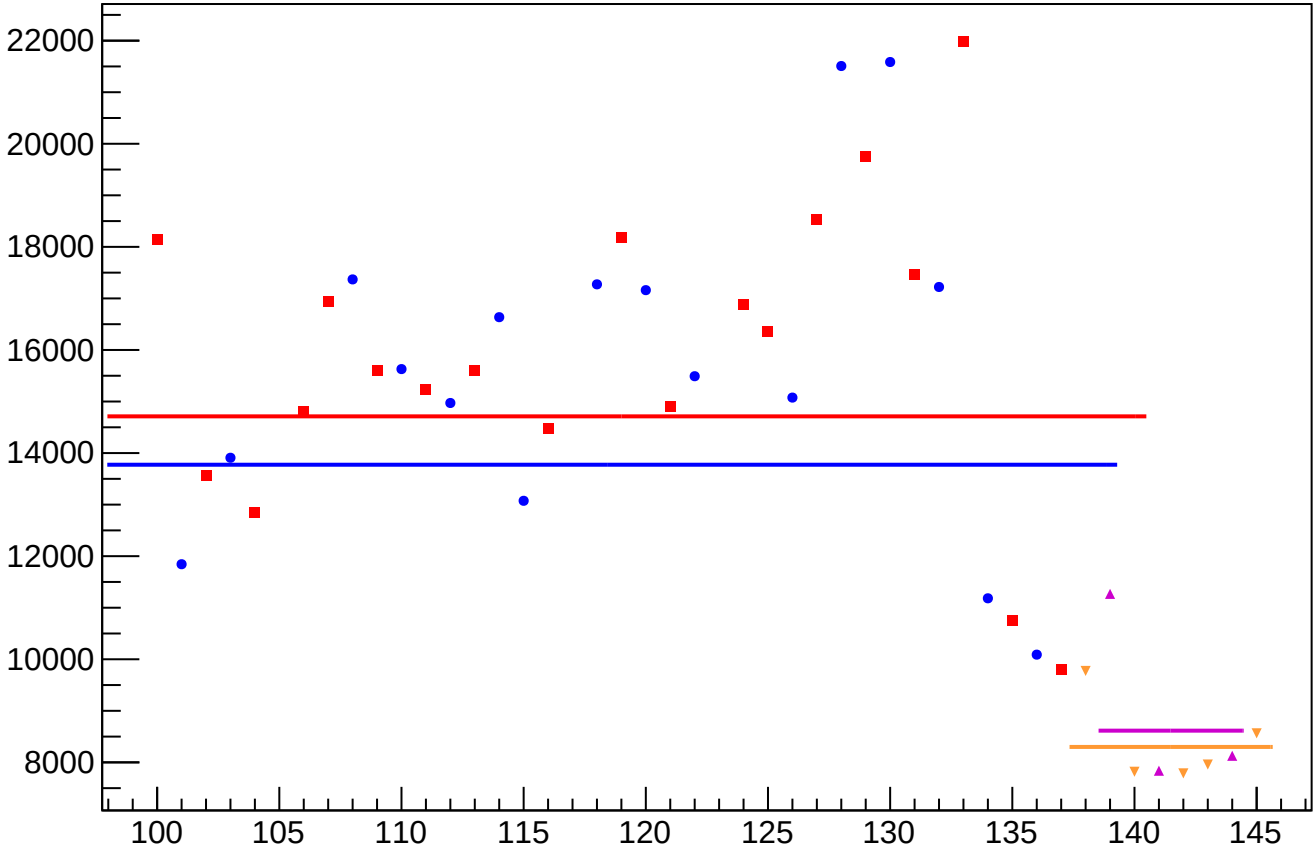
Left In: -3.069+/-5.388 χ^2/NDF:1.7/2

+ sign -6.523+/-3.366 χ^2/NDF: 32.8/20

All: -6.748+/-2.533 χ^2/NDF: 49.6/42

- sign -7.042+/-3.848 χ^2/NDF: 16.7/21

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

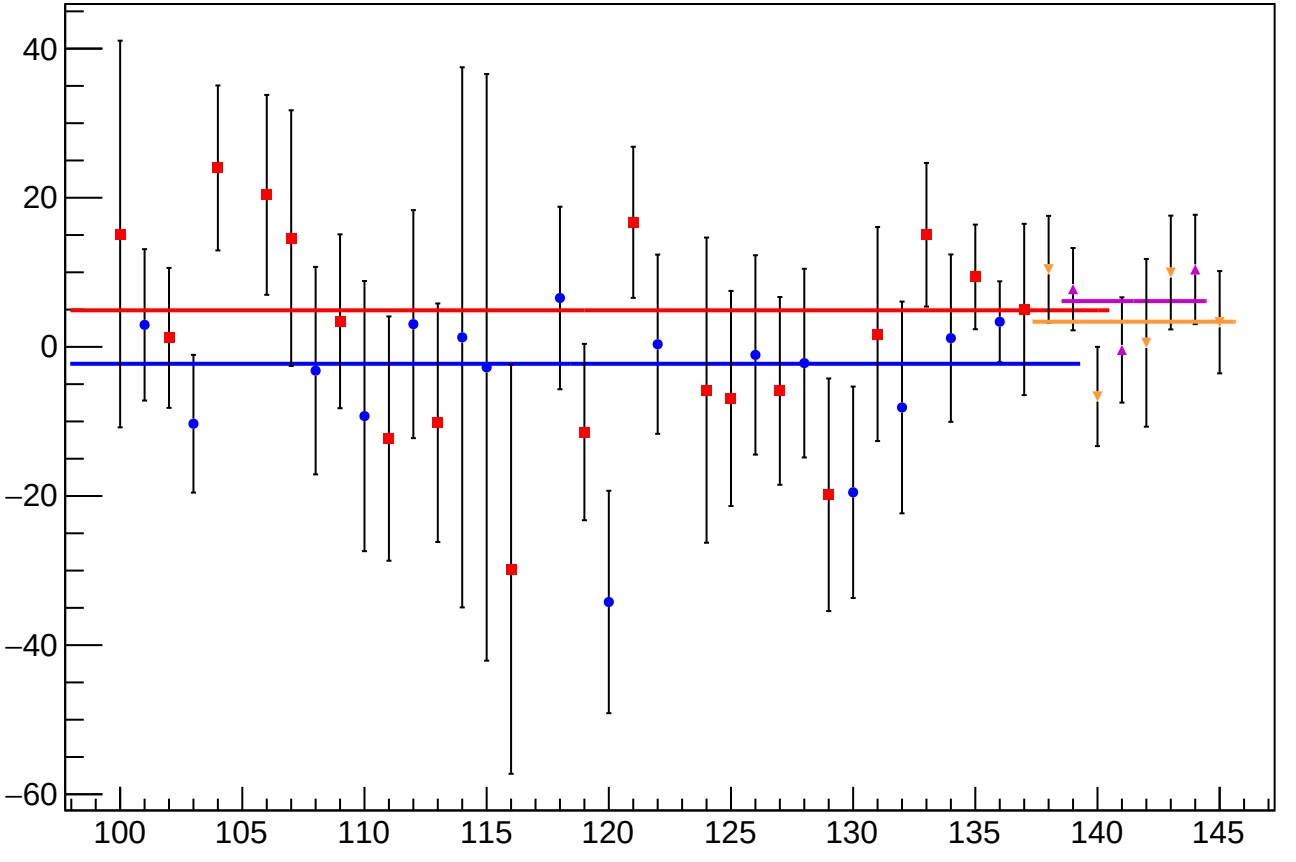
Left In: 8615.323+/-3.810 χ^2/NDF:117460.8/2

+ sign 10515.325+/-2.380 χ^2/NDF: 2071461.2/20

All: 10986.670+/-1.791 χ^2/NDF: 4091450.1/4

- sign 11602.639+/-2.721 χ^2/NDF: 1929521.4/21

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

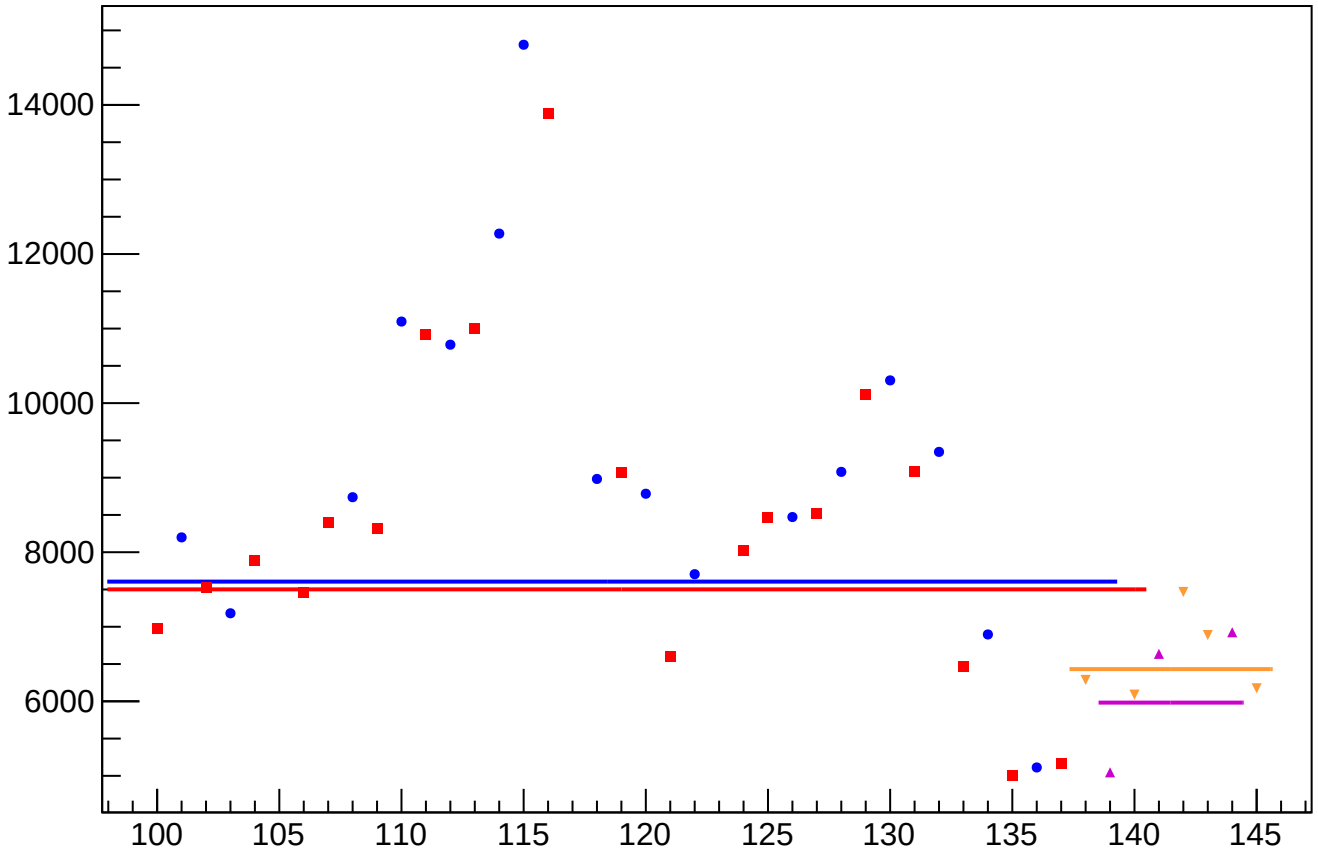
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 6.138+/-3.741 χ^2/NDF:1.3/2

+ sign 0.161+/-2.206 χ^2/NDF: 14.9/20

All: 2.694+/-1.579 χ^2/NDF: 36.6/42

- sign 5.354+/-2.260 χ^2/NDF: 18.9/21



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

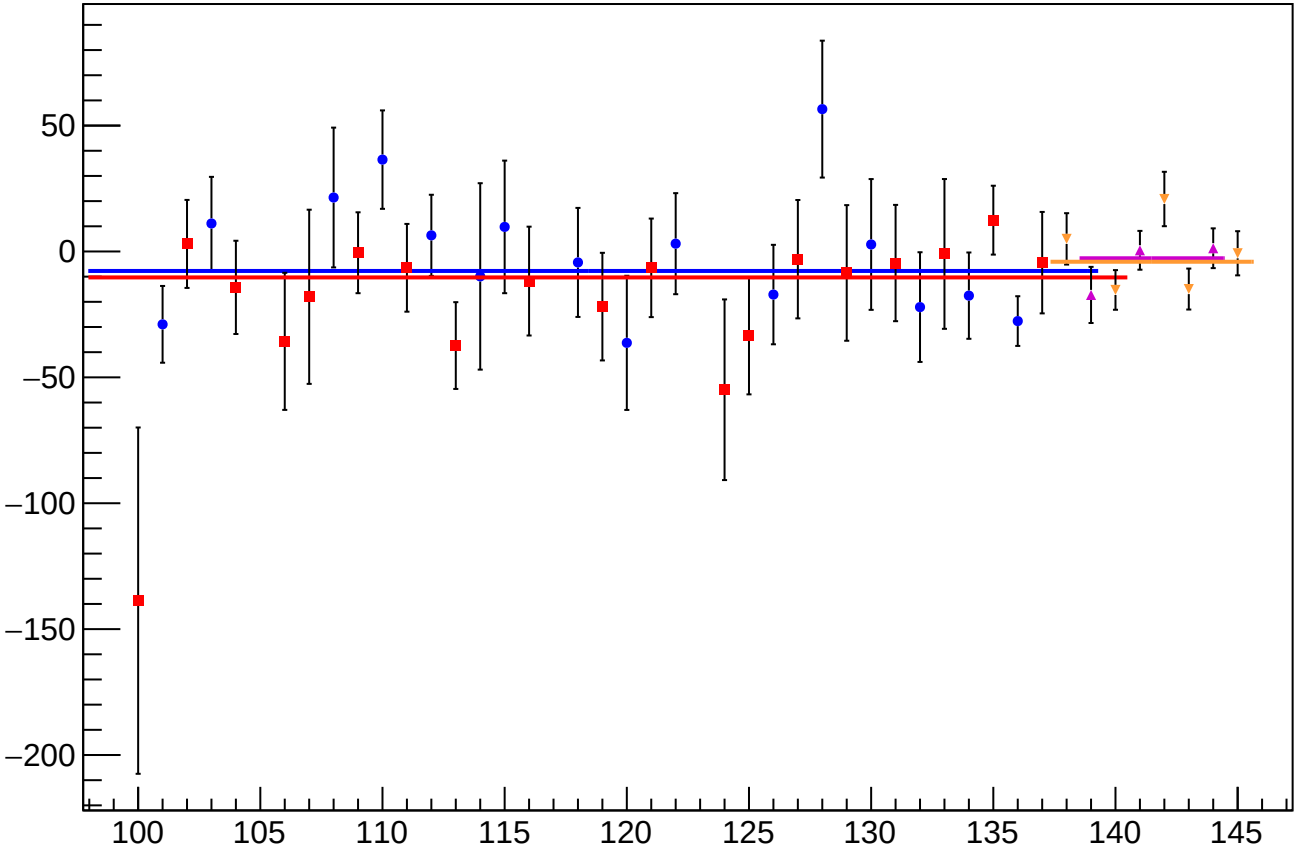
Left In: 5982.418+/-2.645 χ^2/NDF:107642.8/2

+ sign 7100.738+/-1.560 χ^2/NDF: 1063375.8/20

All: 7025.828+/-1.116 χ^2/NDF: 2208714.5/42

- sign 6947.187+/-1.598 χ^2/NDF: 1140610.4/21

diff_bpm4eX_mean vs Slug



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

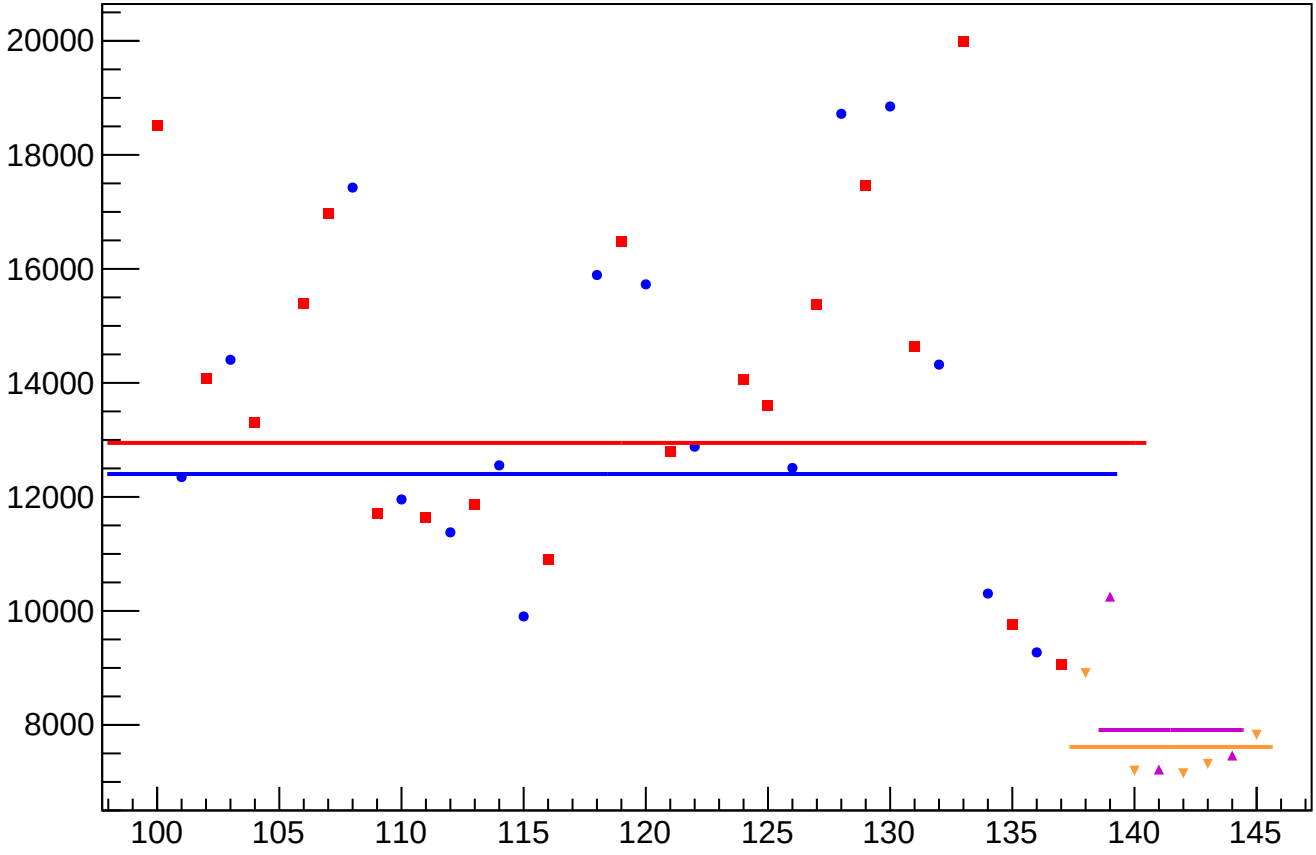
Left In: -2.702+/-4.944 χ^2/NDF:2.1/2

\+ sign -5.601+/-3.061 χ^2/NDF: 33.1/20

All: -6.034+/-2.292 χ^2/NDF: 50.4/42

\- sign -6.586+/-3.459 χ^2/NDF: 17.2/21

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

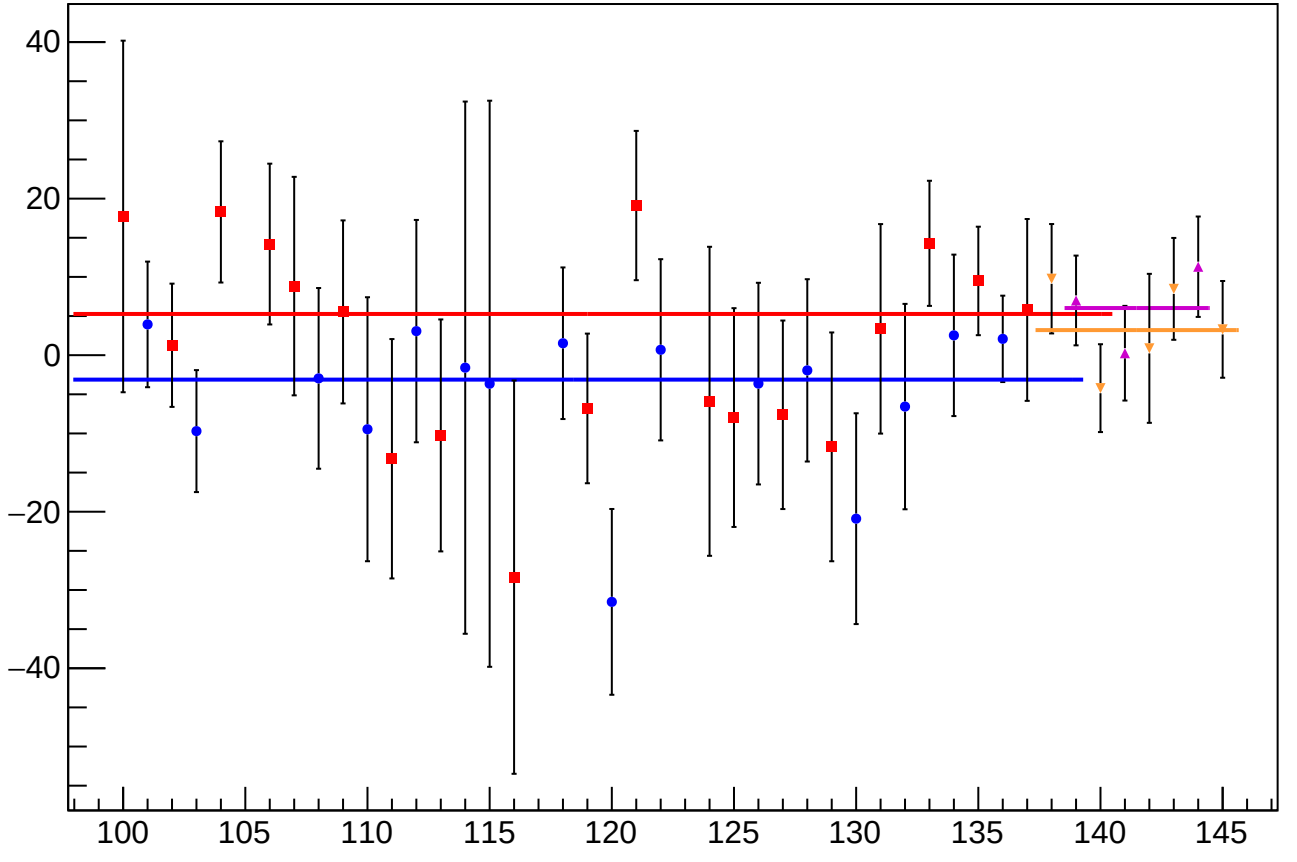
Left In: 7911.335+/-3.496 χ^2/NDF:110767.3/2

+ sign 9603.413+/-2.164 χ^2/NDF: 1912123.5/20

All: 9989.776+/-1.621 χ^2/NDF: 3710224.3/42

- sign 10483.163+/-2.446 χ^2/NDF: 1725527.8/21

diff_bpm4eY_mean vs Slug



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

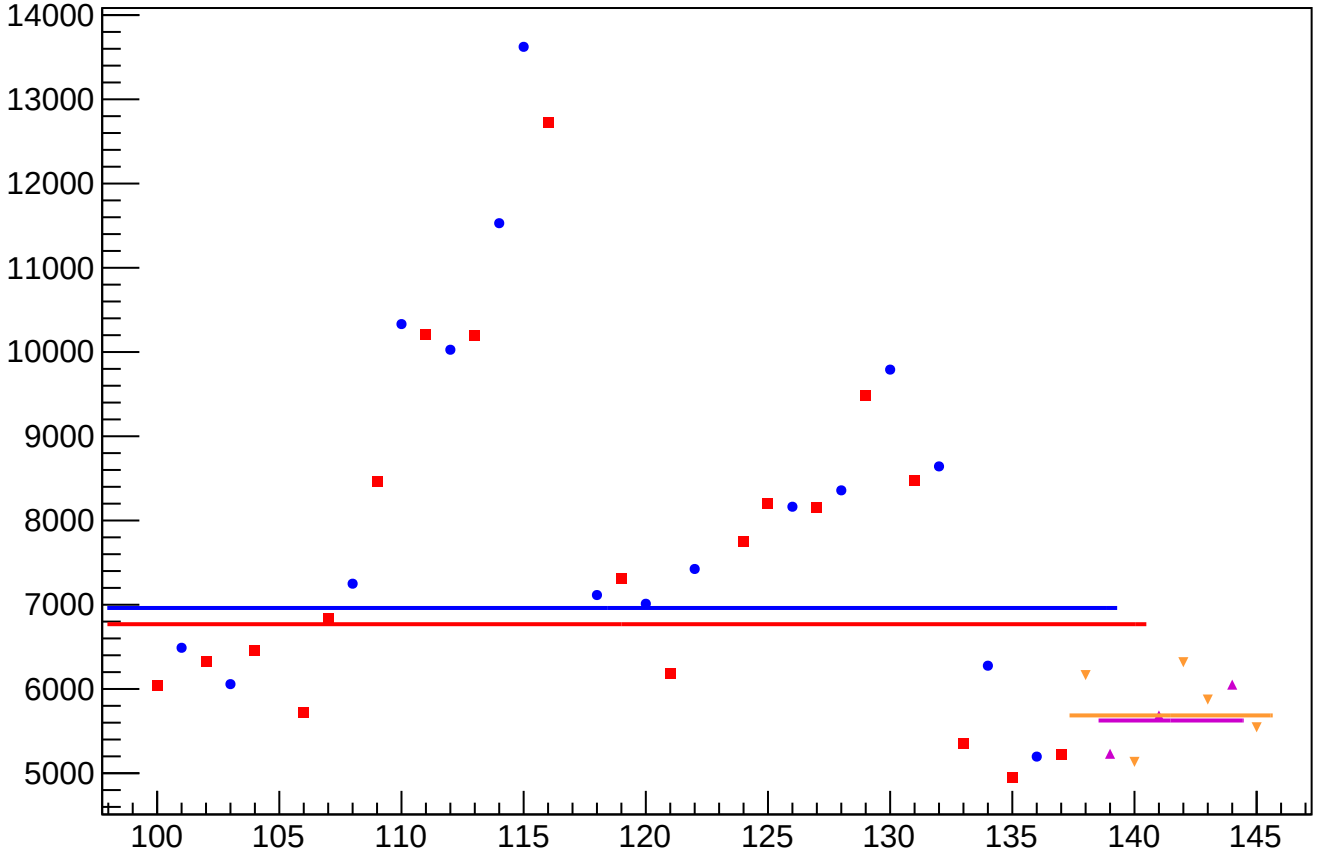
Left In: 6.022+/-3.491 χ^2/NDF:1.6/2

+ sign -0.317+/-1.981 χ^2/NDF: 16.8/20

All: 2.491+/-1.428 χ^2/NDF: 39.5/42

- sign 5.529+/-2.061 χ^2/NDF: 18.6/21

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

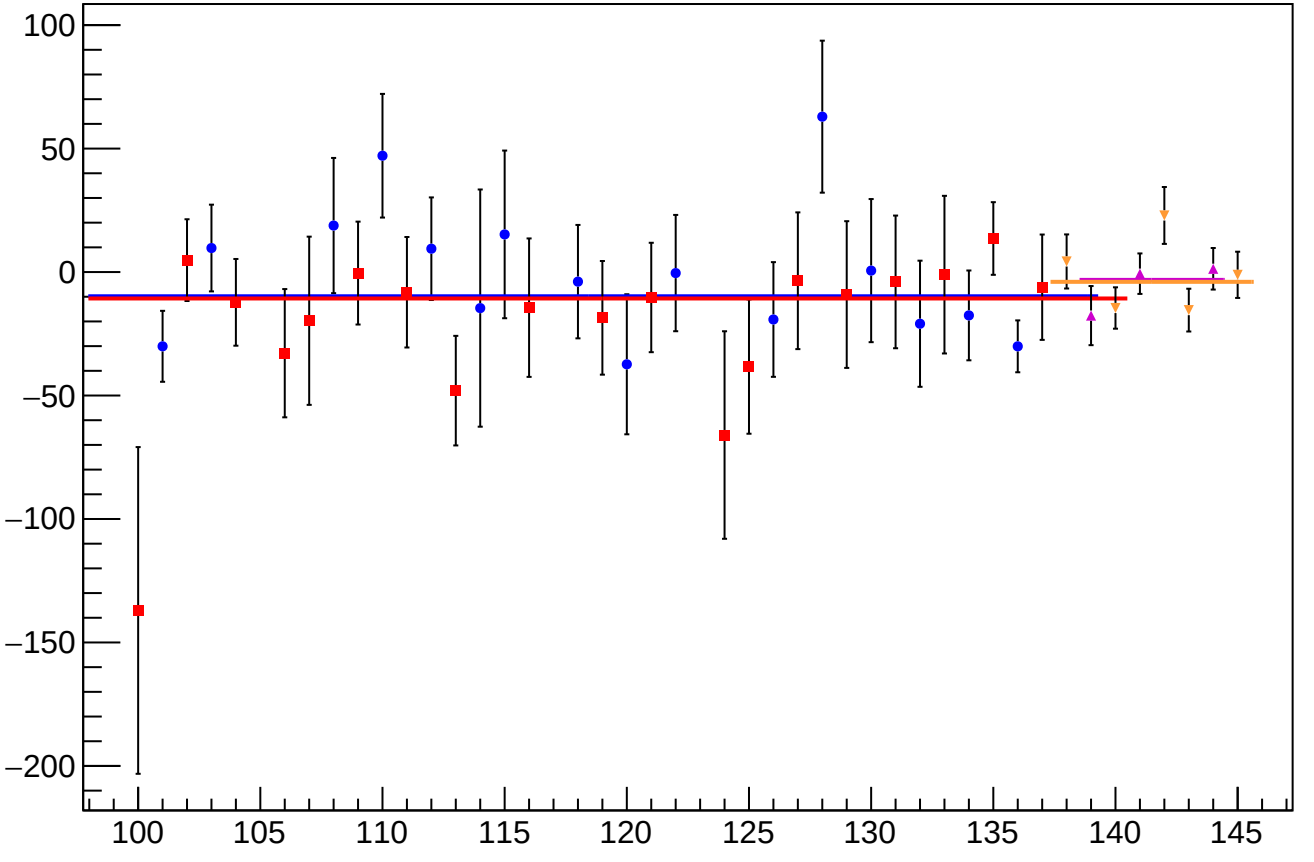
Left In: 5625.689+/-2.468 χ^2/NDF:18493.2/2

+ sign 6395.736+/-1.401 χ^2/NDF: 941315.6/20

All: 6383.636+/-1.010 χ^2/NDF: 1897850.2/42

- sign 6370.542+/-1.457 χ^2/NDF: 956379.2/21

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

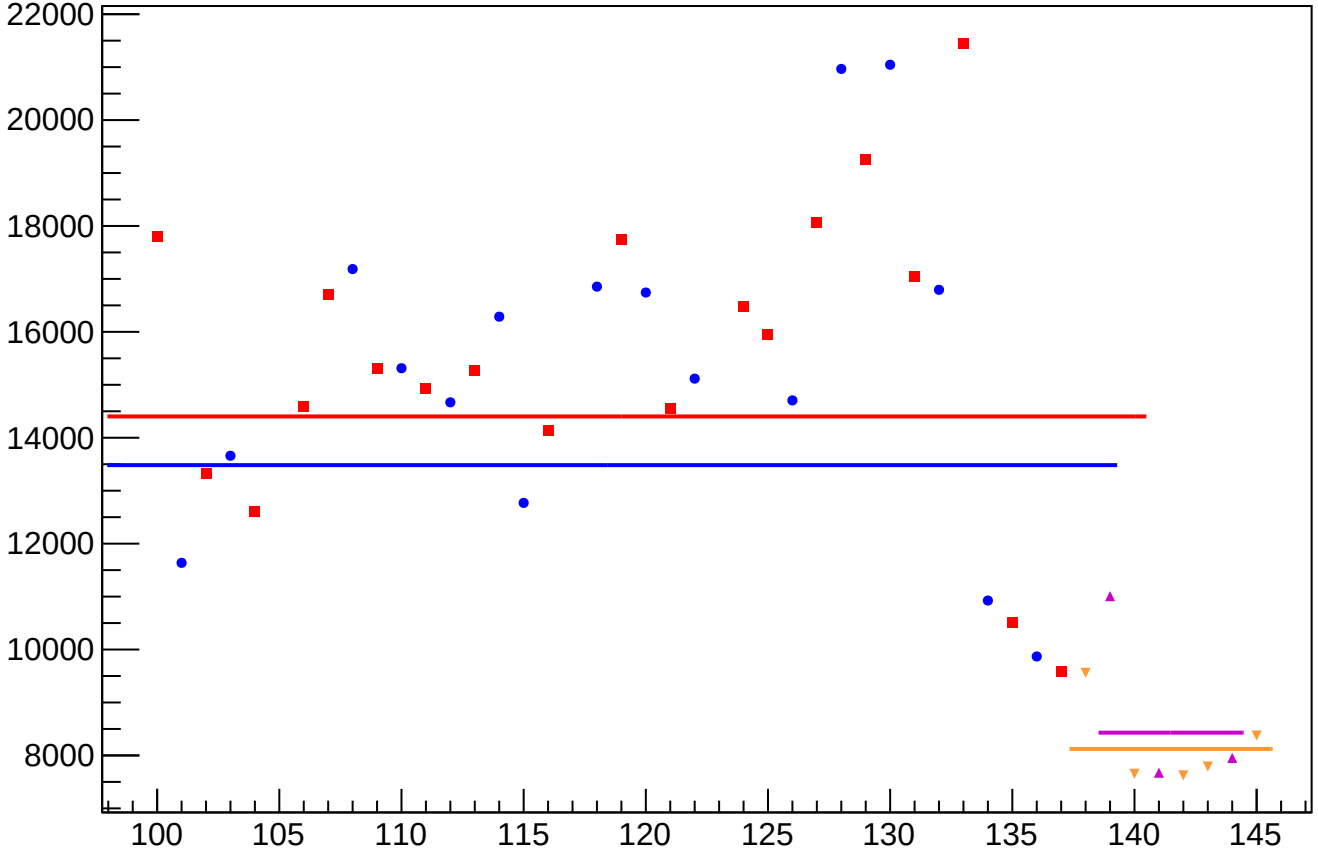
Left In: -3.173+/-5.271 χ^2/NDF:1.8/2

+ sign -6.328+/-3.294 χ^2/NDF: 32.3/20

All: -6.559+/-2.479 χ^2/NDF: 49.4/42

- sign -6.861+/-3.765 χ^2/NDF: 17.1/21

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

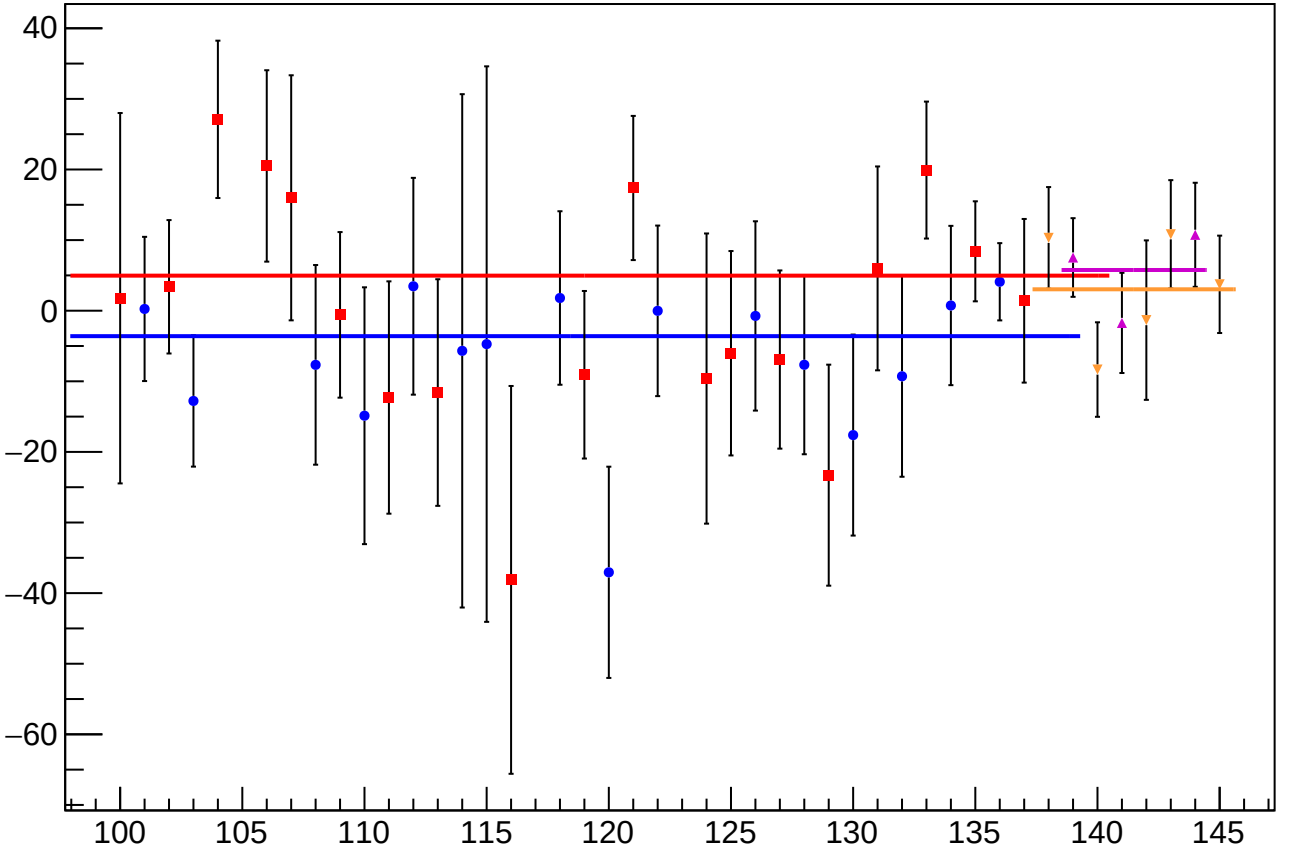
Left In: 8430.175+/-3.727 χ^2/NDF:116267.3/2

+ sign 10291.736+/-2.329 χ^2/NDF: 2068619.1/20

All: 10752.764+/-1.753 χ^2/NDF: 4085069.6/4

- sign 11355.189+/-2.663 χ^2/NDF: 1926081.5/21

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

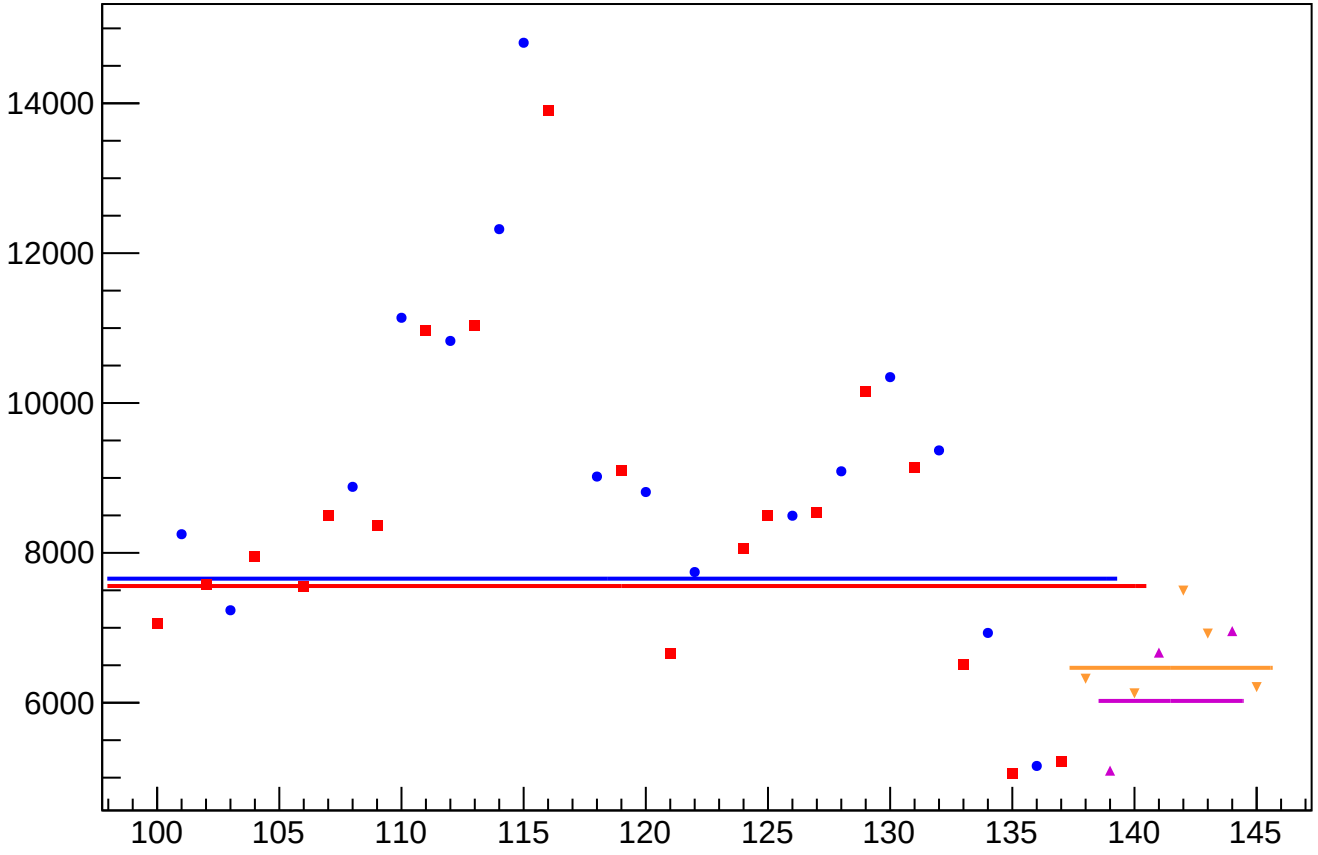
Left In: 5.765+/-3.766 χ^2/NDF:1.7/2

+ sign -0.748+/-2.218 χ^2/NDF: 17.8/20

All: 2.179+/-1.588 χ^2/NDF: 44.4/42

- sign 5.257+/-2.275 χ^2/NDF: 23.1/21

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

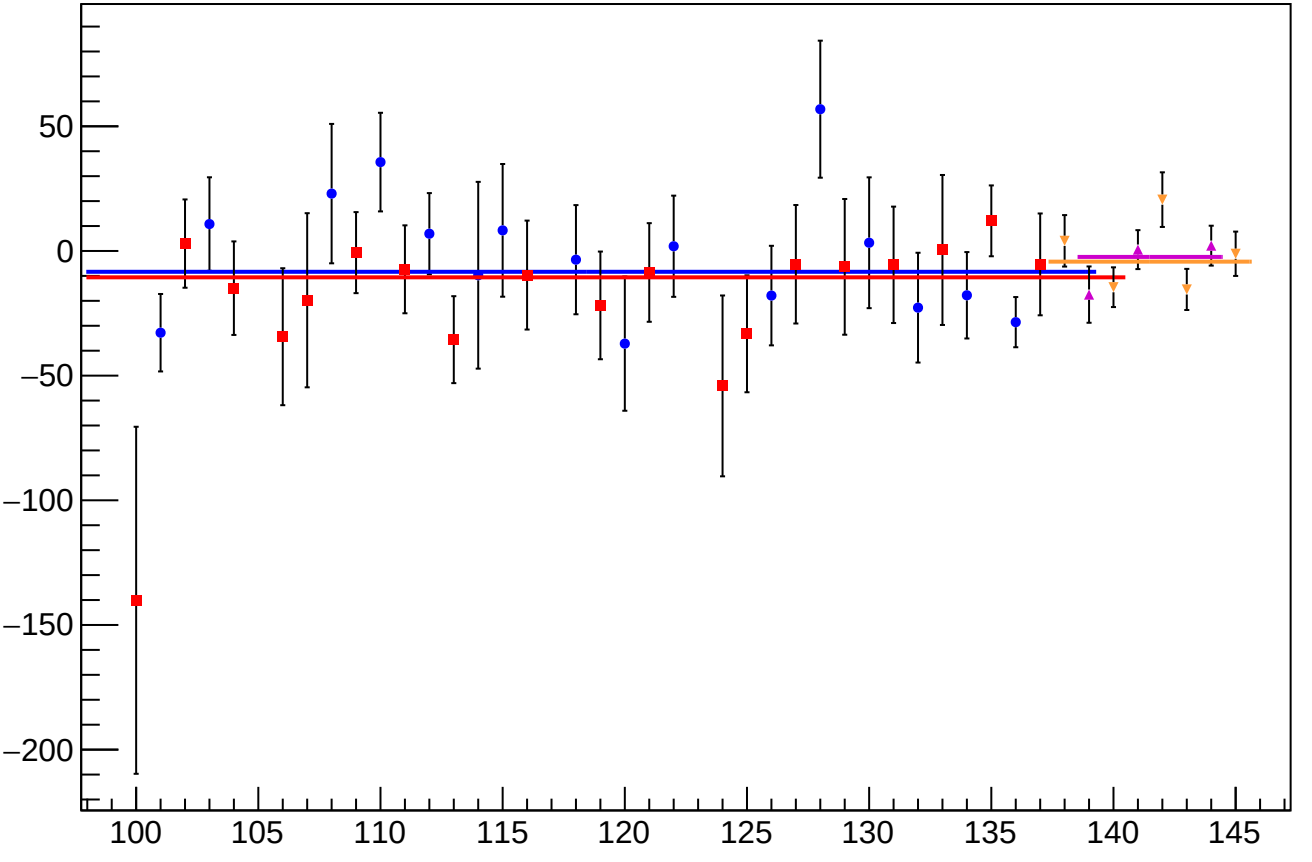
Left In: 6024.140+/-2.663 χ^2/NDF:104336.1/2

+ sign 7143.409+/-1.569 χ^2/NDF: 1053425.9/20

All: 7072.405+/-1.123 χ^2/NDF: 2182374.8/42

- sign 6997.713+/-1.609 χ^2/NDF: 1124744.7/21

diff_bpm4ecX_mean vs Slug



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

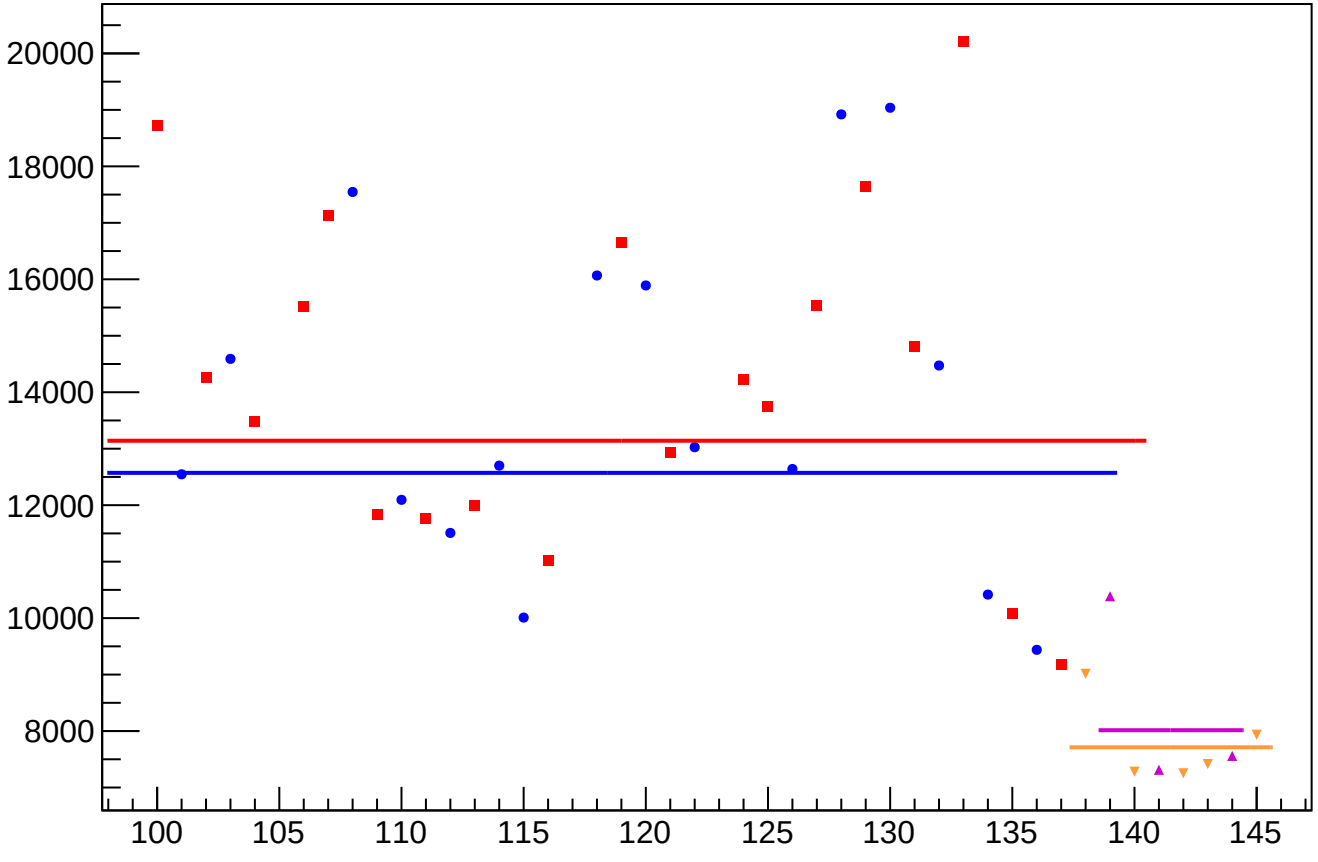
Left In: -2.385+/-5.009 χ^2/NDF:2.3/2

+ sign -5.971+/-3.101 χ^2/NDF: 33.1/20

All: -6.230+/-2.323 χ^2/NDF: 49.6/42

- sign -6.560+/-3.507 χ^2/NDF: 16.5/21

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

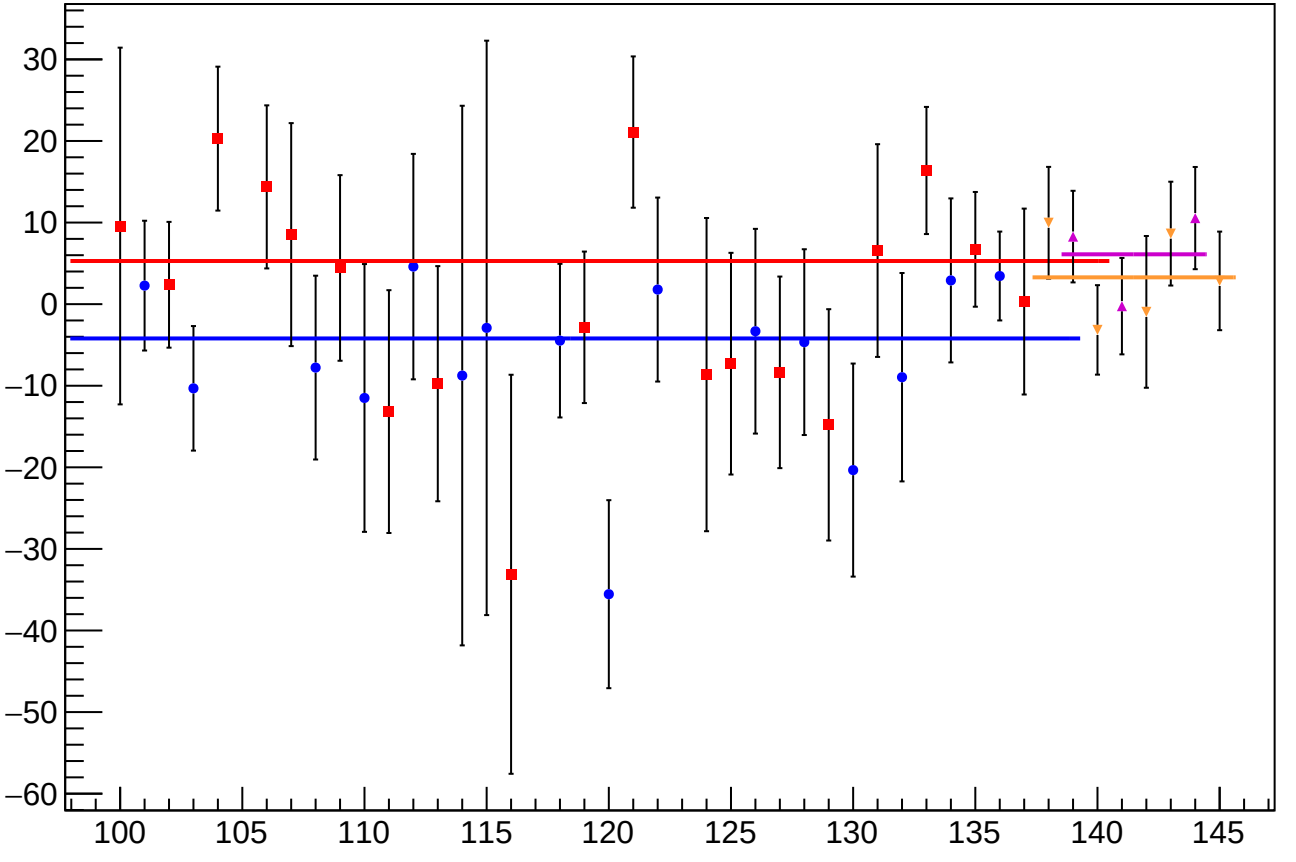
Left In: 8014.876+/-3.542 χ^2/NDF:110805.5/2

+ sign 9729.606+/-2.193 χ^2/NDF: 1902626.8/20

All: 10124.230+/-1.643 χ^2/NDF: 3690041.8/4

- sign 10628.807+/-2.480 χ^2/NDF: 1713623.1/21

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

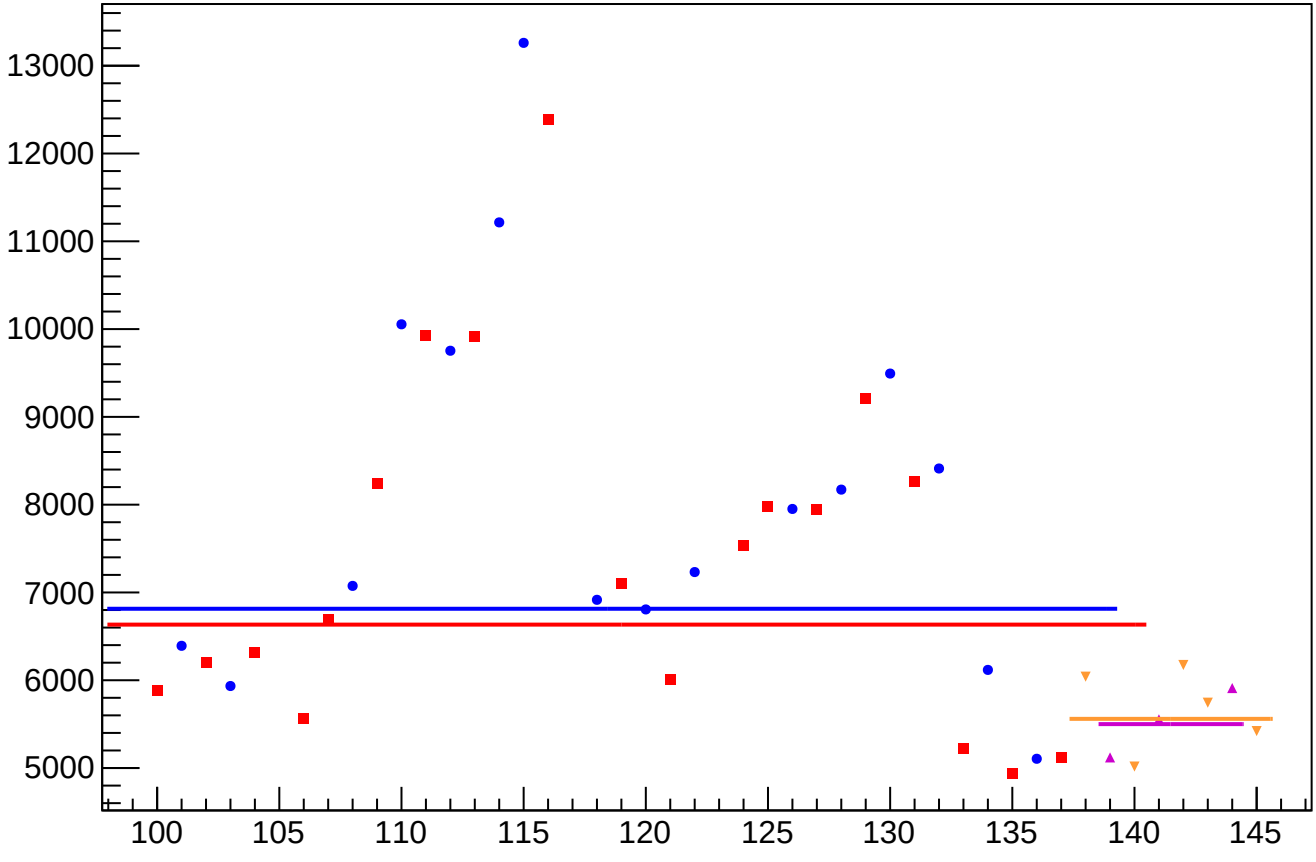
Left In: 6.109+/-3.413 χ^2/NDF:1.8/2

+ sign -0.877+/-1.938 χ^2/NDF: 20.8/20

All: 2.219+/-1.398 χ^2/NDF: 47.7/42

- sign 5.575+/-2.018 χ^2/NDF: 21.6/21

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

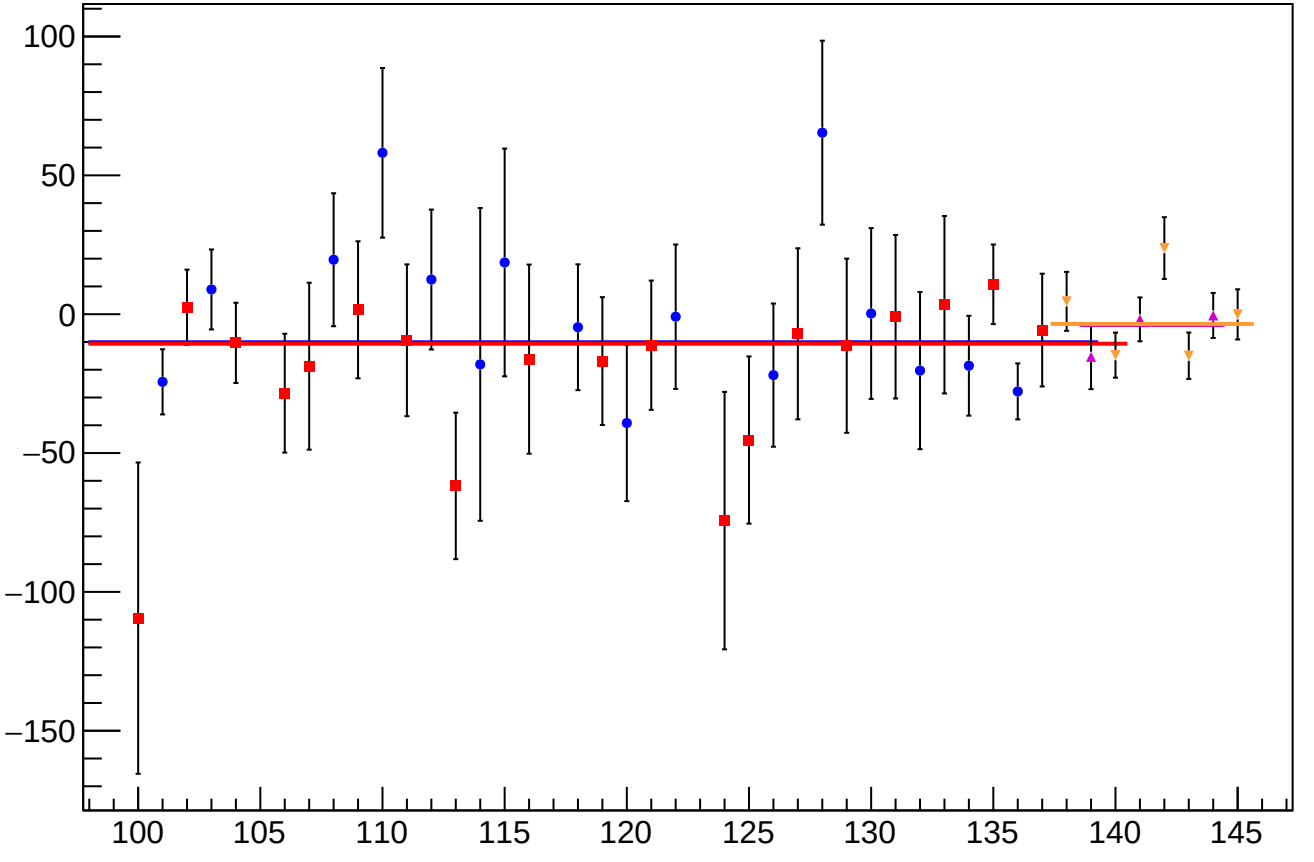
Left In: 5500.295+/-2.413 χ^2/NDF:17898.5/2

+ sign 6257.125+/-1.371 χ^2/NDF: 921679.4/20

All: 6247.697+/-0.988 χ^2/NDF: 1846495.7/42

- sign 6237.480+/-1.427 χ^2/NDF: 924717.7/21

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

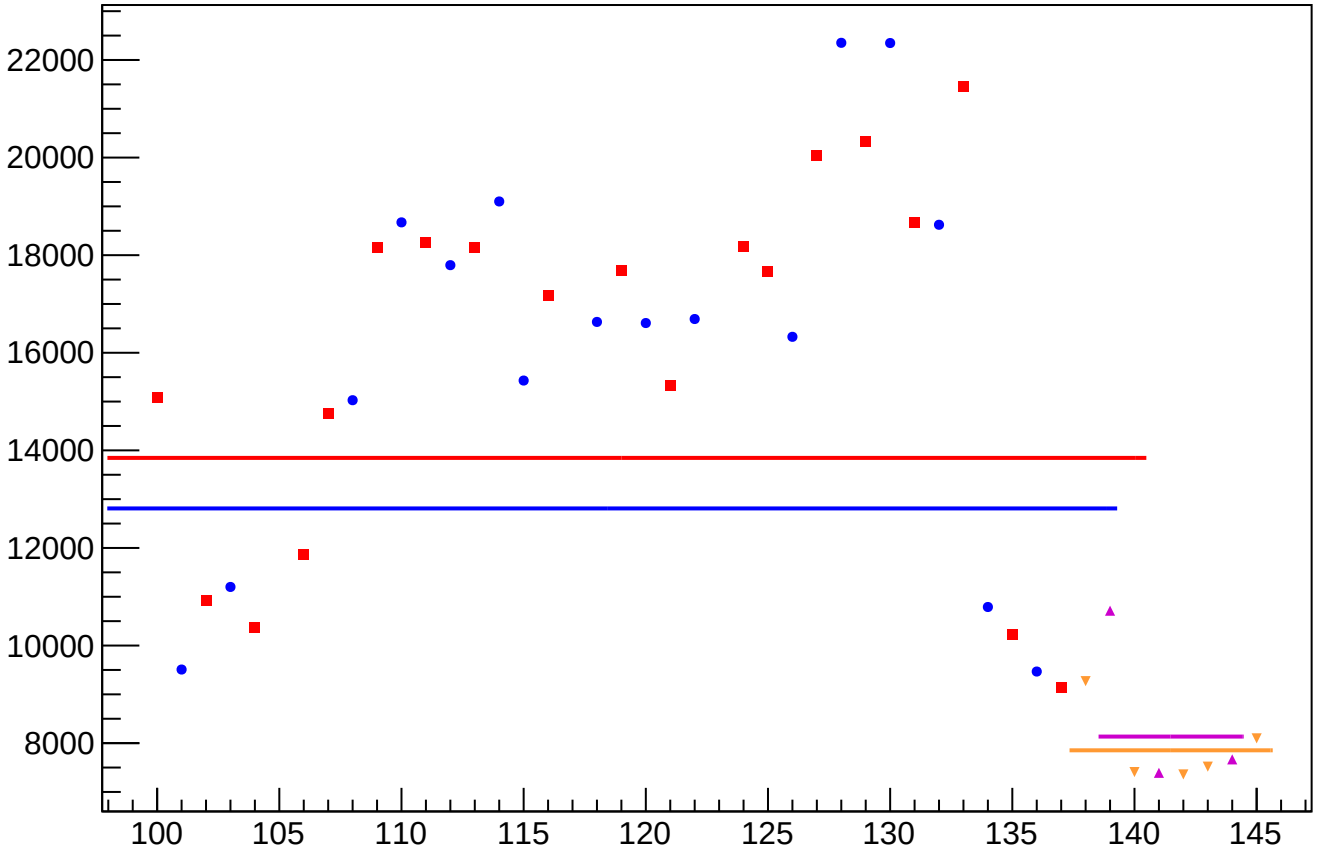
Left In: -3.874+/-5.090 χ^2/NDF:1.2/2

\+ sign -6.169+/-3.187 χ^2/NDF: 32.9/20

All: -6.582+/-2.405 χ^2/NDF: 49.7/42

\- sign -7.127+/-3.663 χ^2/NDF: 16.8/21

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

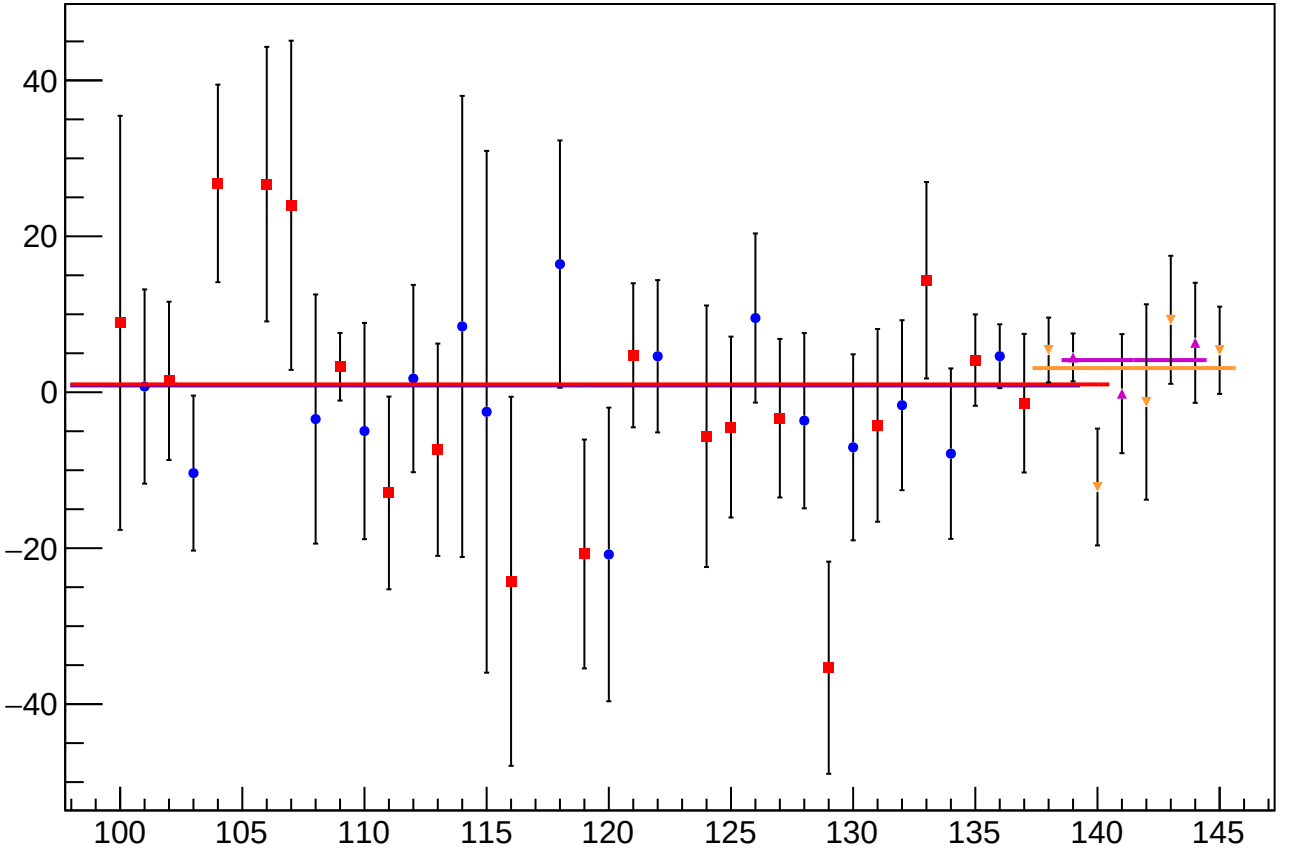
Left In: 8134.696+/-3.599 χ^2/NDF:122391.0/2

+ sign 9853.530+/-2.254 χ^2/NDF: 2462850.5/20

All: 10298.912+/-1.700 χ^2/NDF: 4986008.8/4

- sign 10887.280+/-2.590 χ^2/NDF: 2432514.3/21

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

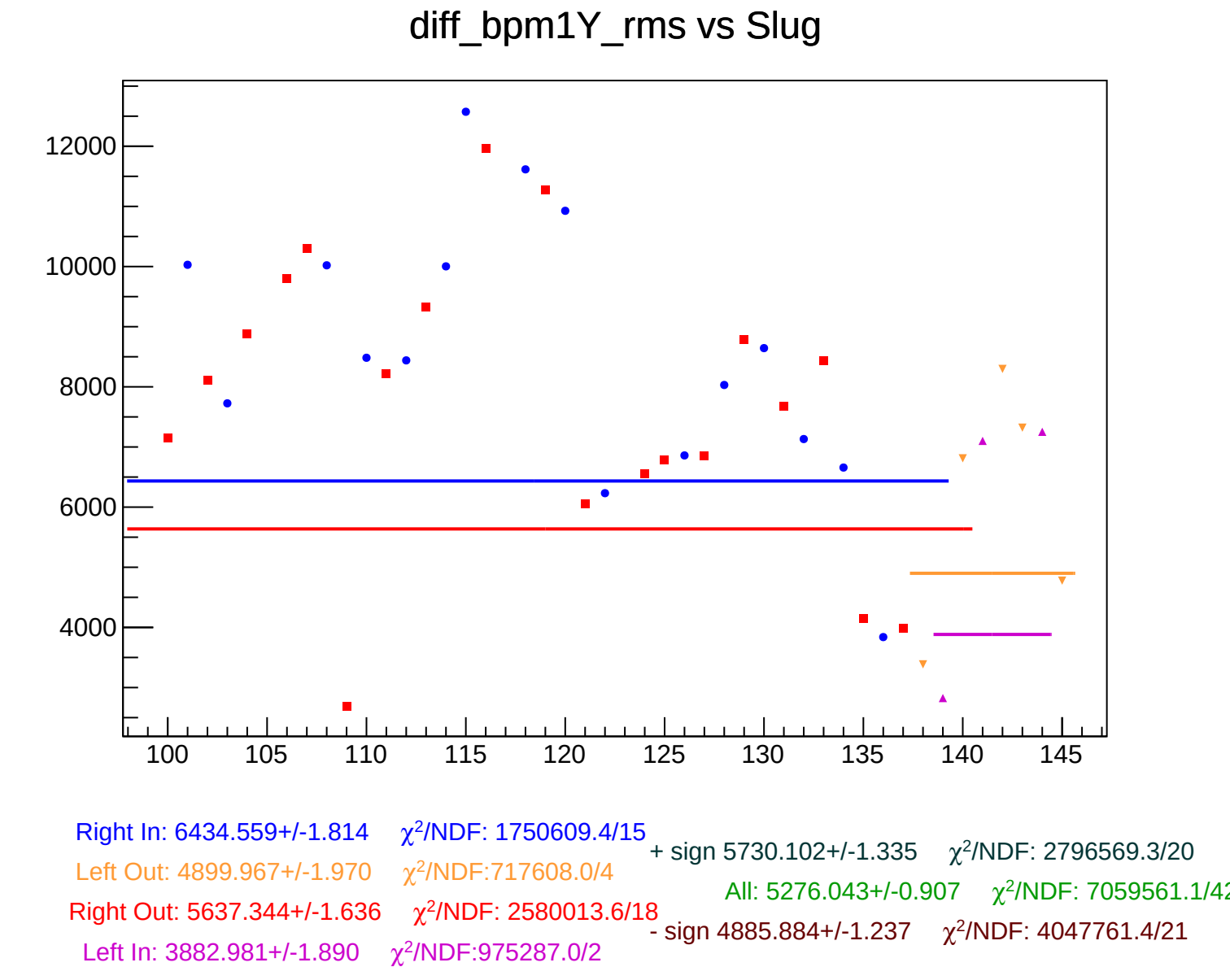
Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: 4.124+/-2.673 χ^2/NDF:0.4/2

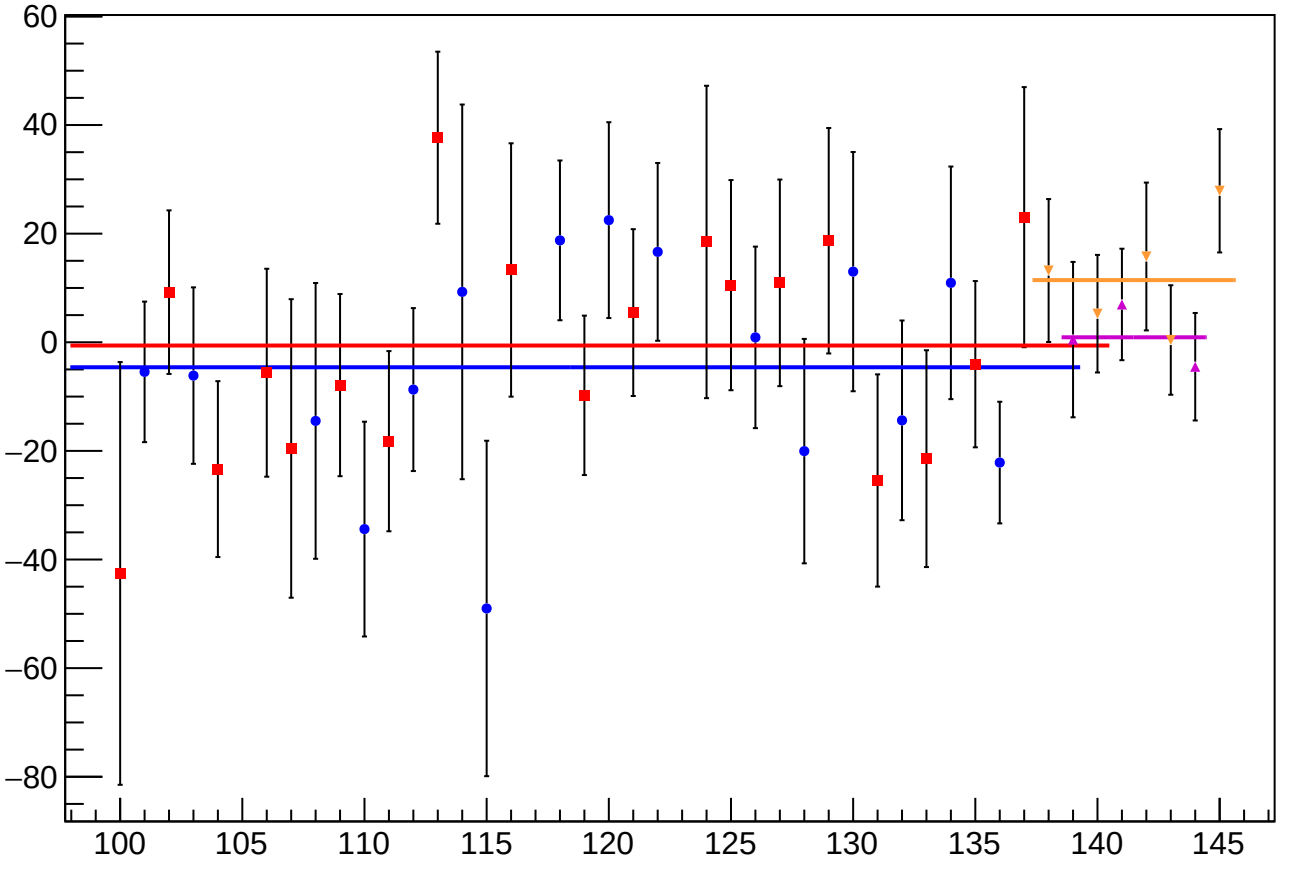
+ sign 1.900+/-1.887 χ^2/NDF: 12.5/20

All: 2.137+/-1.283 χ^2/NDF: 36.0/42

- sign 2.341+/-1.749 χ^2/NDF: 23.5/21


diff_bpm1Y_rms vs Slug
12000
10000
8000
6000
4000
100
105
110
115
120
125
130
135
140
145
Right In: 6434.559+/-1.814 χ²/NDF: 1750609.4/15
Left Out: 4899.967+/-1.970 χ²/NDF:717608.0/4
Right Out: 5637.344+/-1.636 χ²/NDF: 2580013.6/18
Left In: 3882.981+/-1.890 χ²/NDF:975287.0/2
+ sign 5730.102+/-1.335 χ²/NDF: 2796569.3/20
All: 5276.043+/-0.907 χ²/NDF: 7059561.1/42
- sign 4885.884+/-1.237 χ²/NDF: 4047761.4/21

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

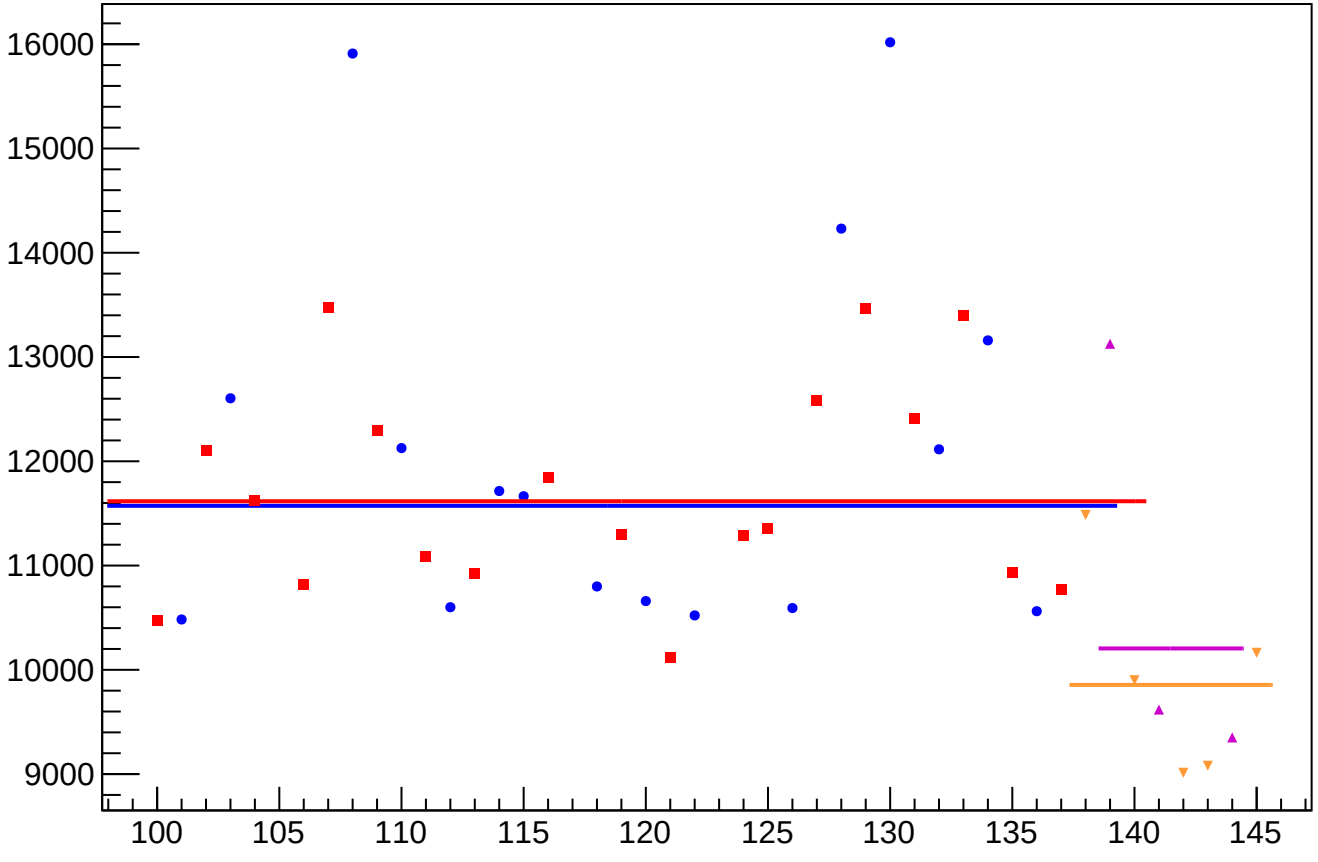
Left In: 0.917+/-6.377 χ^2/NDF:0.6/2

\+ sign 2.047+/-3.333 χ^2/NDF: 25.1/20

All: 1.026+/-2.428 χ^2/NDF: 43.9/42

\- sign -0.131+/-3.546 χ^2/NDF: 18.6/21

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

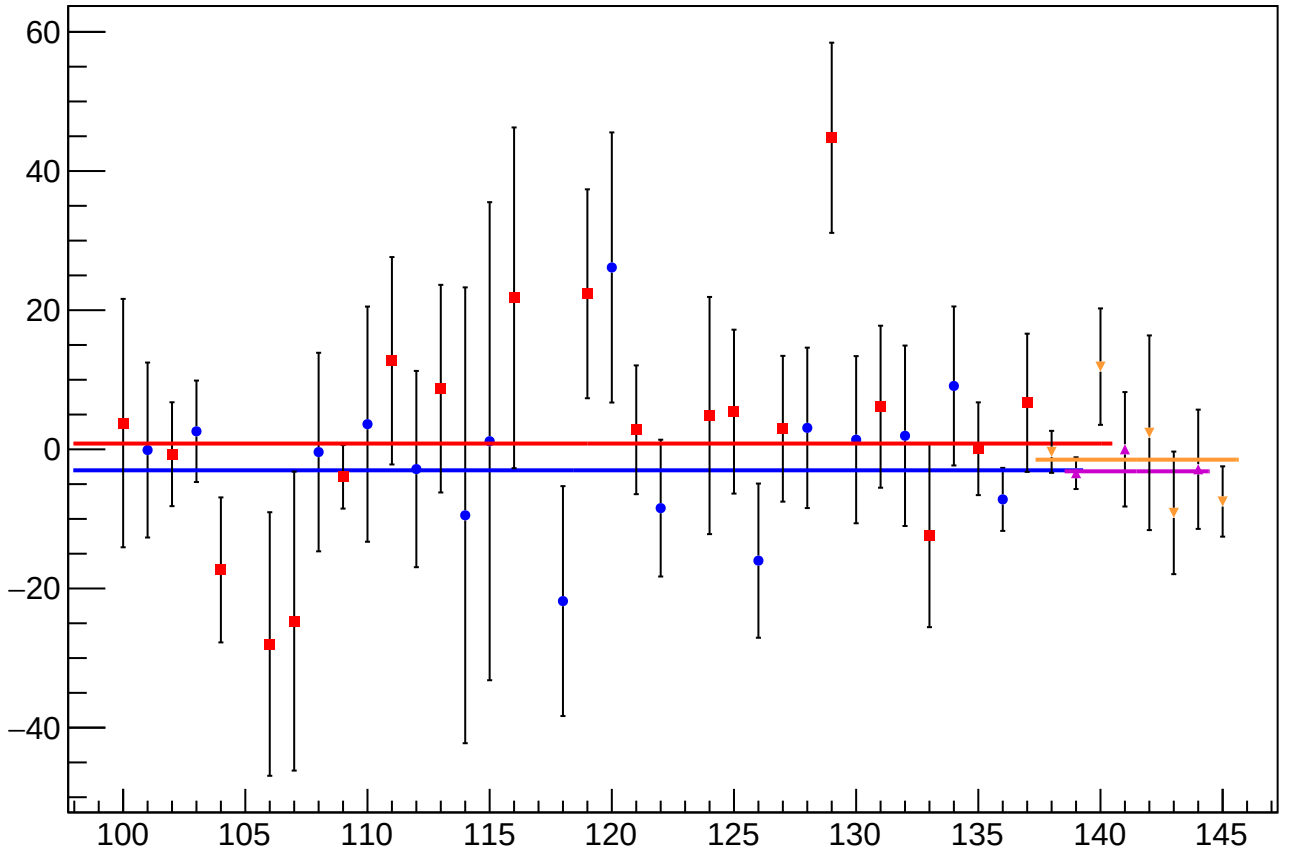
Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10204.915+/-4.509 χ^2/NDF:104841.1/2

+ sign 10861.320+/-2.357 χ^2/NDF: 440706.9/20

All: 11010.882+/-1.717 χ^2/NDF: 715023.0/42

- sign 11180.213+/-2.507 χ^2/NDF: 265727.4/21



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.484+/-2.349 χ^2/NDF:4.9/4

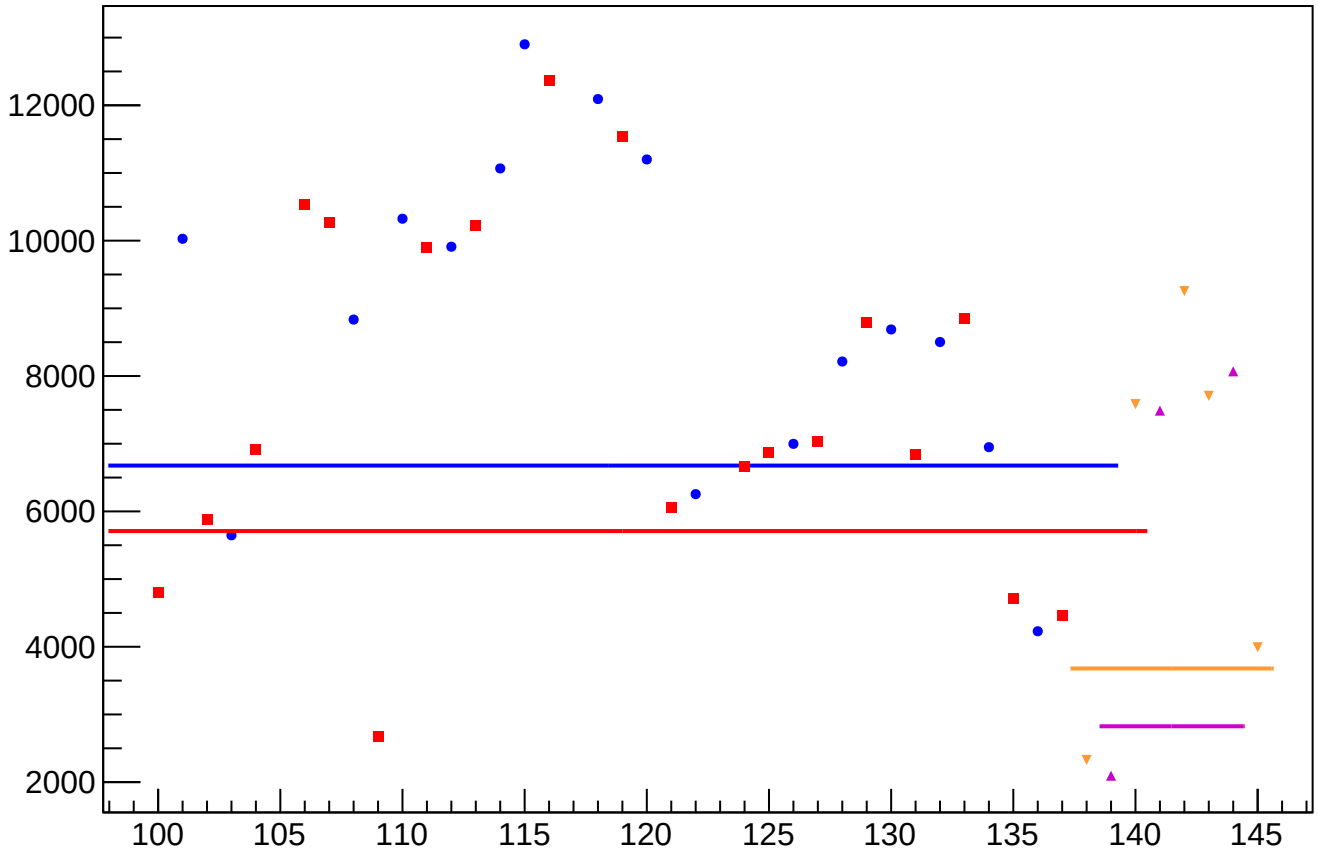
Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: -3.159+/-2.128 χ^2/NDF:0.2/2

+ sign -2.156+/-1.759 χ^2/NDF: 13.8/20

All: -1.716+/-1.175 χ^2/NDF: 39.5/42

- sign -1.362+/-1.578 χ^2/NDF: 25.6/21



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

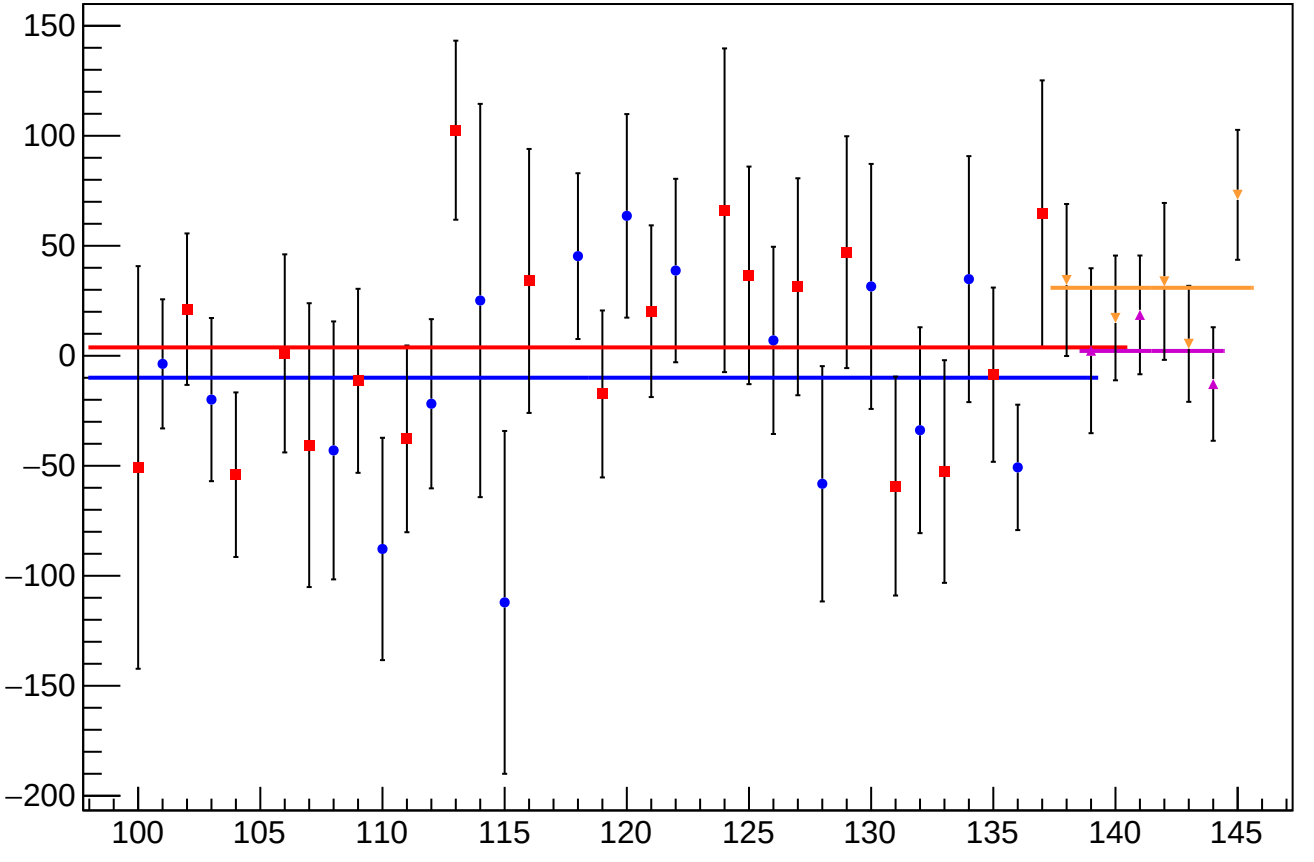
Left In: 2825.034+/-1.505 χ^2/NDF:1597102.2/2

+ sign 4995.928+/-1.244 χ^2/NDF: 4584225.5/20

All: 4512.862+/-0.831 χ^2/NDF: 10409126.0/4

- sign 4124.031+/-1.116 χ^2/NDF: 5552610.6/21

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

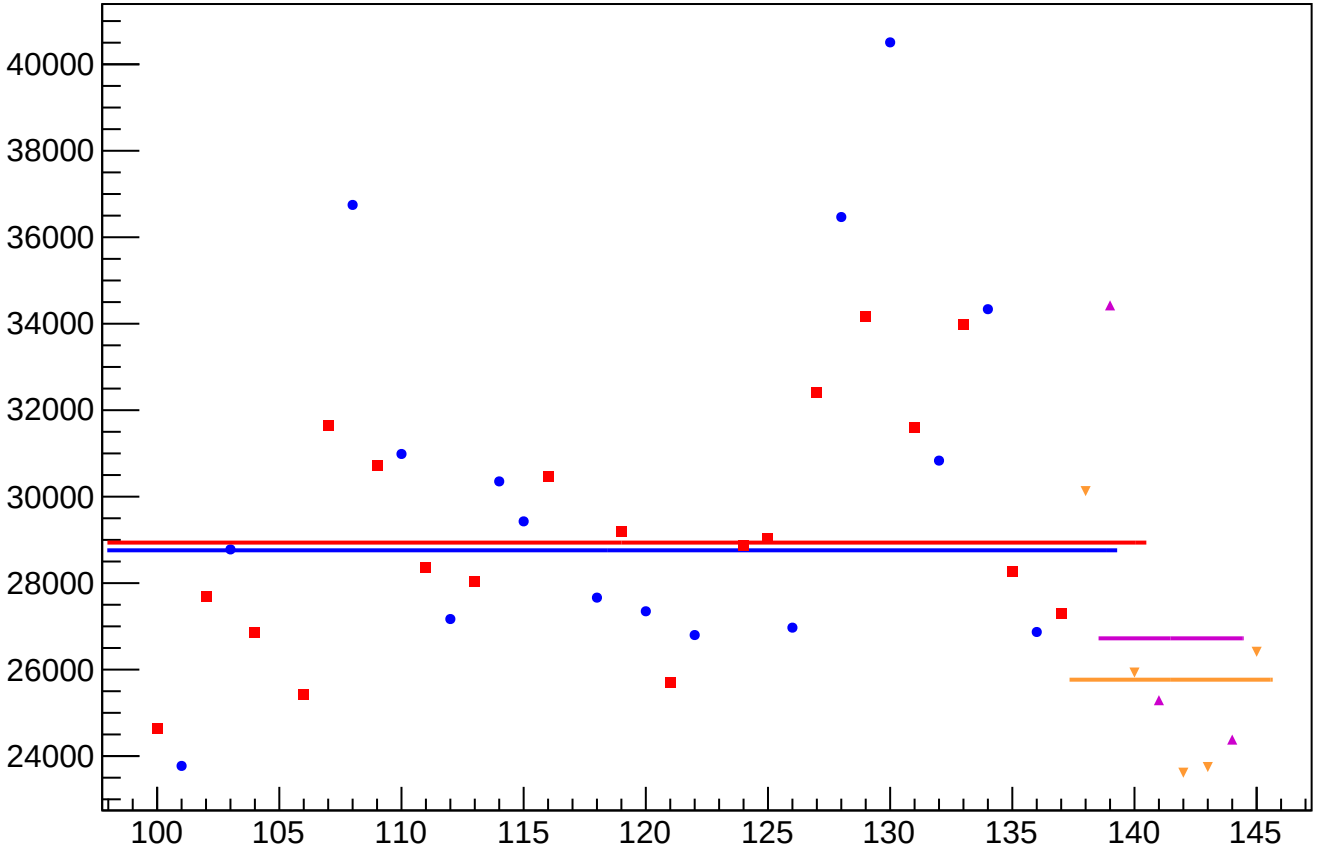
Left In: 2.204+/-16.699 χ^2/NDF:0.7/2

\+ sign 5.990+/-8.461 χ^2/NDF: 24.1/20

All: 4.747+/-6.155 χ^2/NDF: 42.1/42

\- sign 3.349+/-8.971 χ^2/NDF: 18.0/21

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

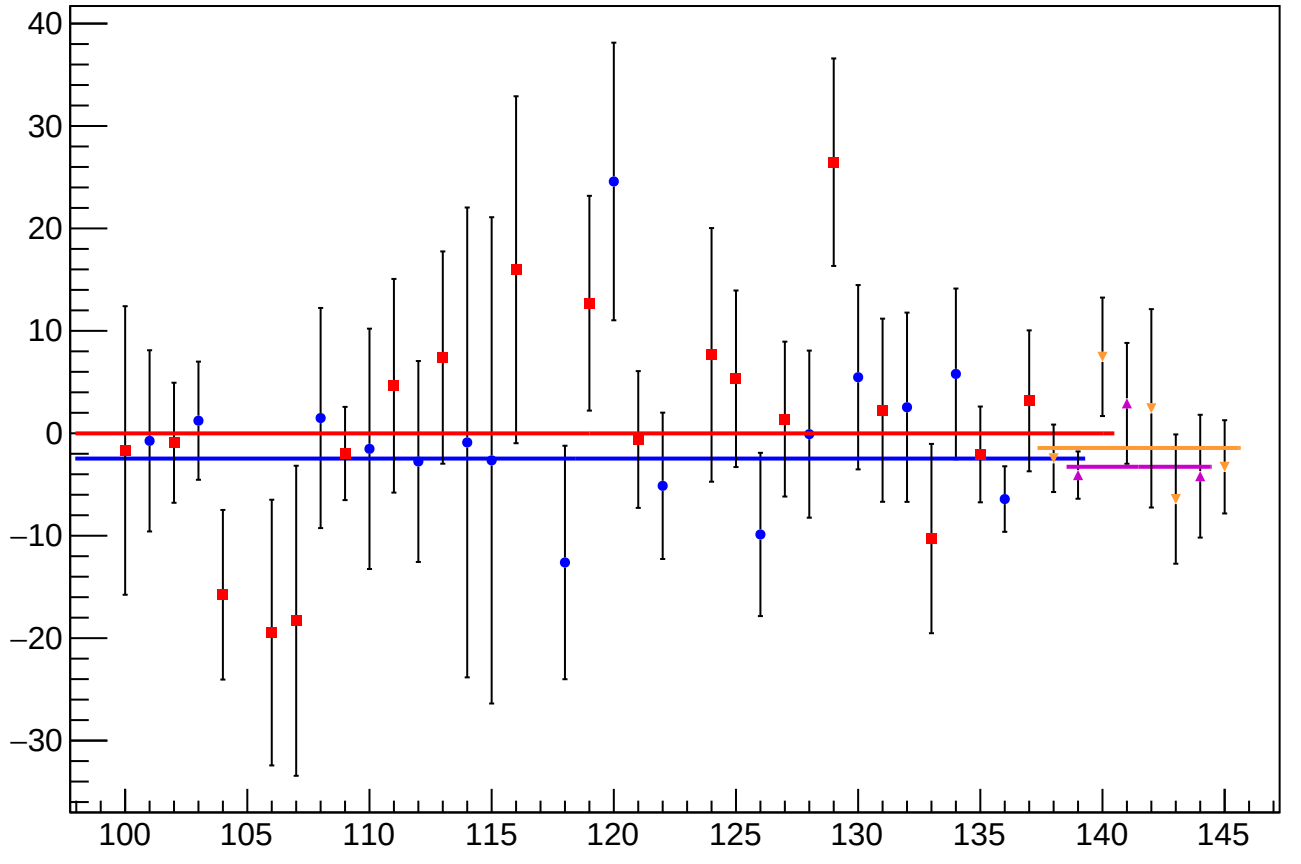
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26723.126+/-11.808 χ^2/NDF:106498.0/2

+ sign 27590.959+/-5.983 χ^2/NDF: 389089.4/20

All: 27924.043+/-4.352 χ^2/NDF: 633459.2/42

- sign 28298.521+/-6.343 χ^2/NDF: 237785.2/21



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

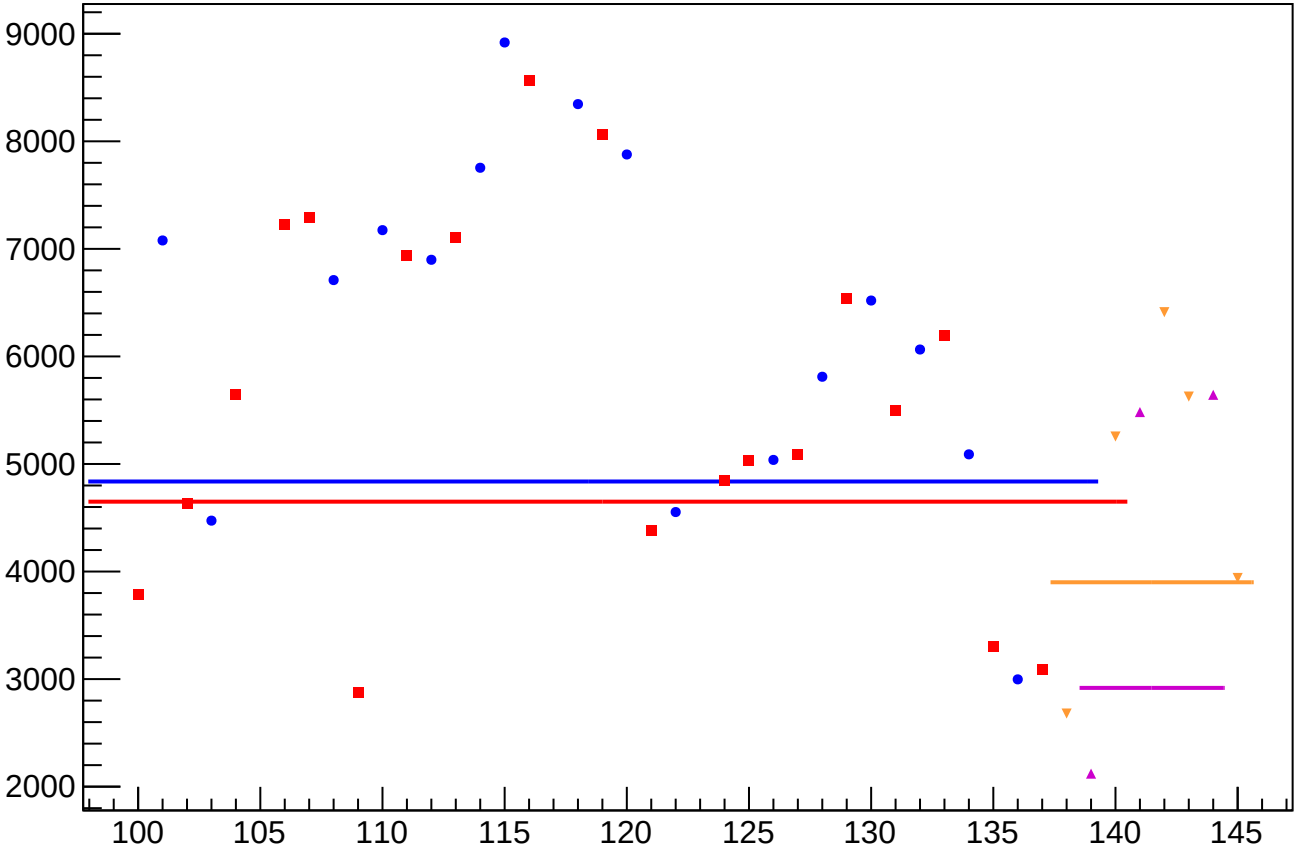
Left In: -3.268+/-2.024 χ^2/NDF:1.2/2

+ sign -2.021+/-1.445 χ^2/NDF: 13.6/20

All: -1.730+/-0.989 χ^2/NDF: 36.3/42

- sign -1.474+/-1.357 χ^2/NDF: 22.6/21

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

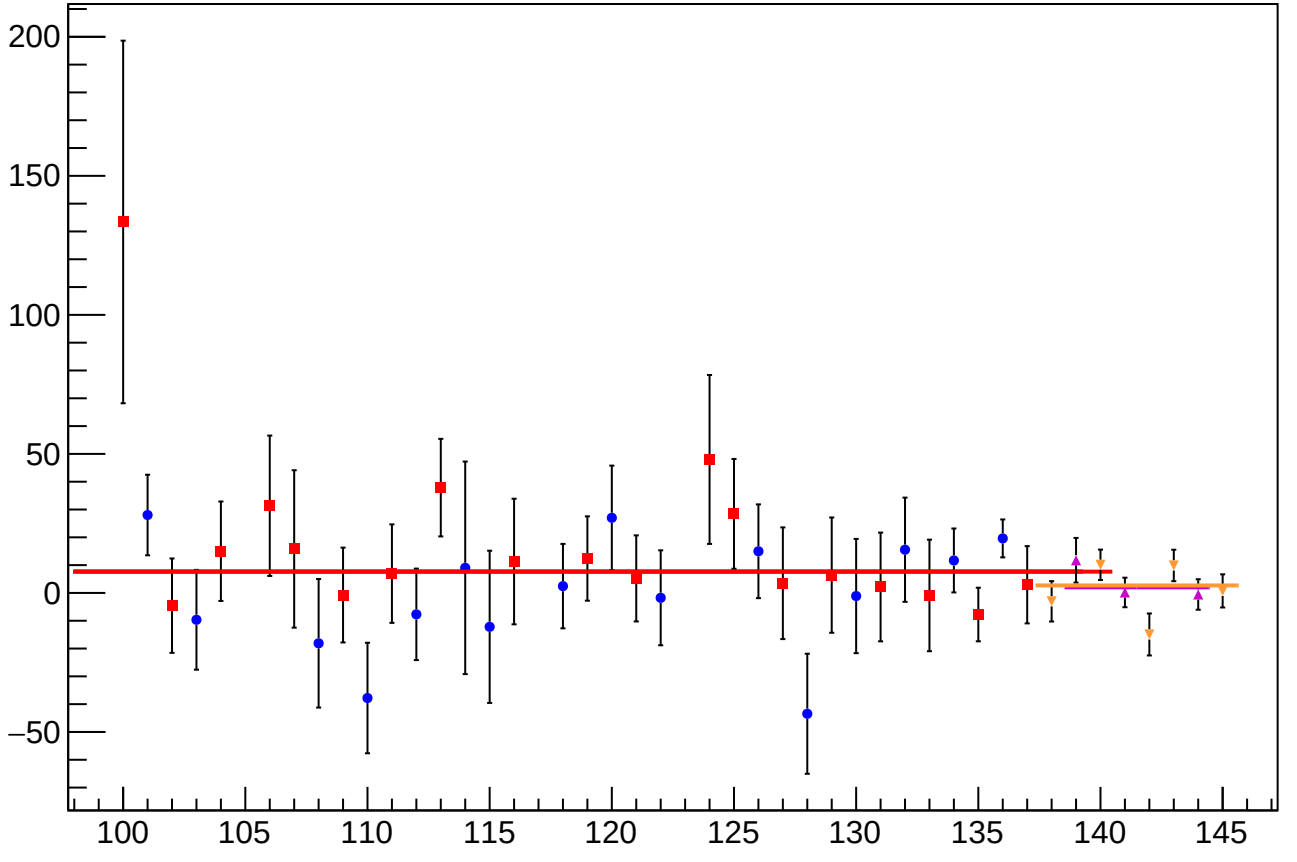
Left In: 2918.235+/-1.431 χ^2/NDF:1029714.7/2

+ sign 4433.595+/-1.022 χ^2/NDF: 2422862.0/20

All: 4134.836+/-0.699 χ^2/NDF: 5853943.6/42

- sign 3871.631+/-0.959 χ^2/NDF: 3270337.4/21

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

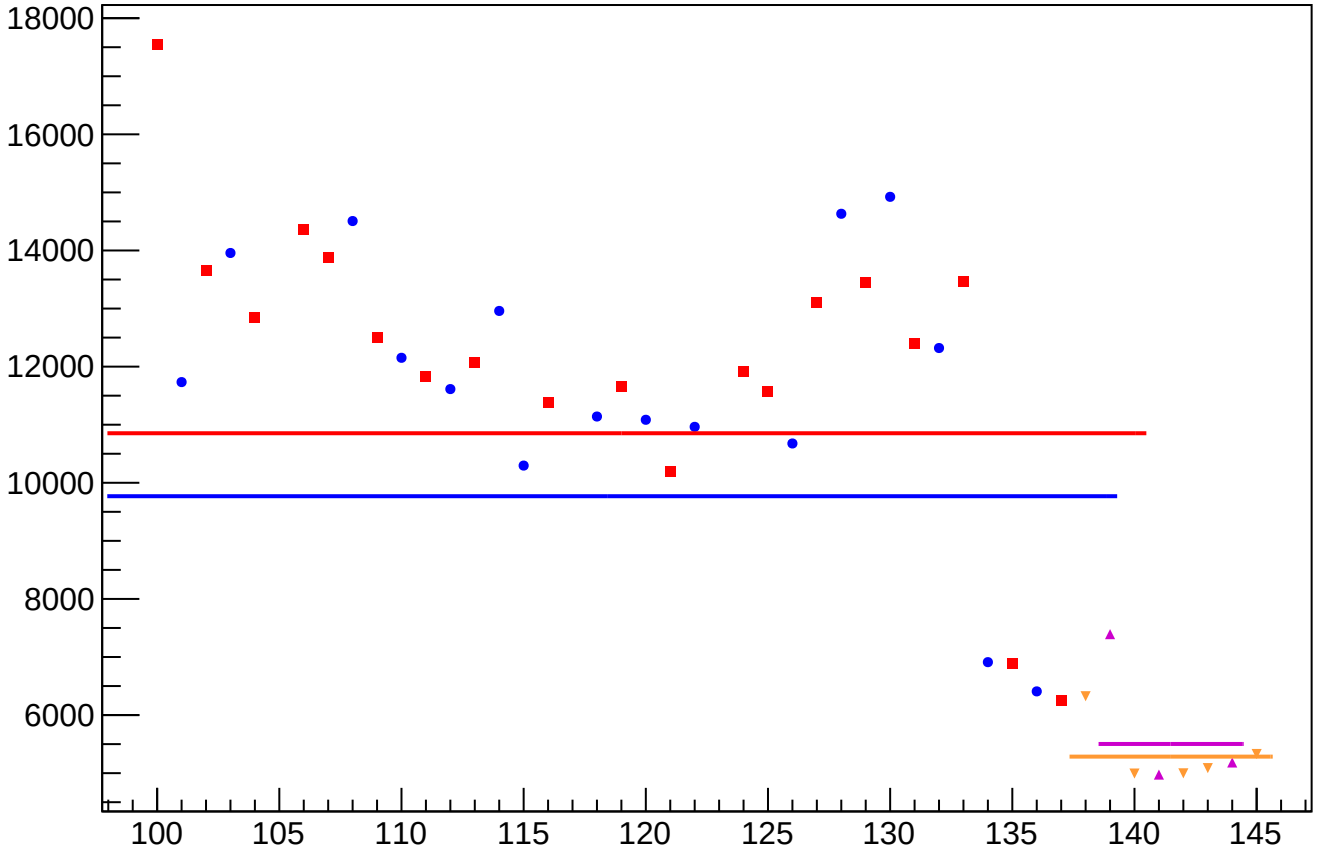
Left In: 2.012+/-3.448 χ^2/NDF:1.8/2

+ sign 4.428+/-2.248 χ^2/NDF: 32.4/20

All: 4.395+/-1.711 χ^2/NDF: 49.9/42

- sign 4.348+/-2.639 χ^2/NDF: 17.5/21

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

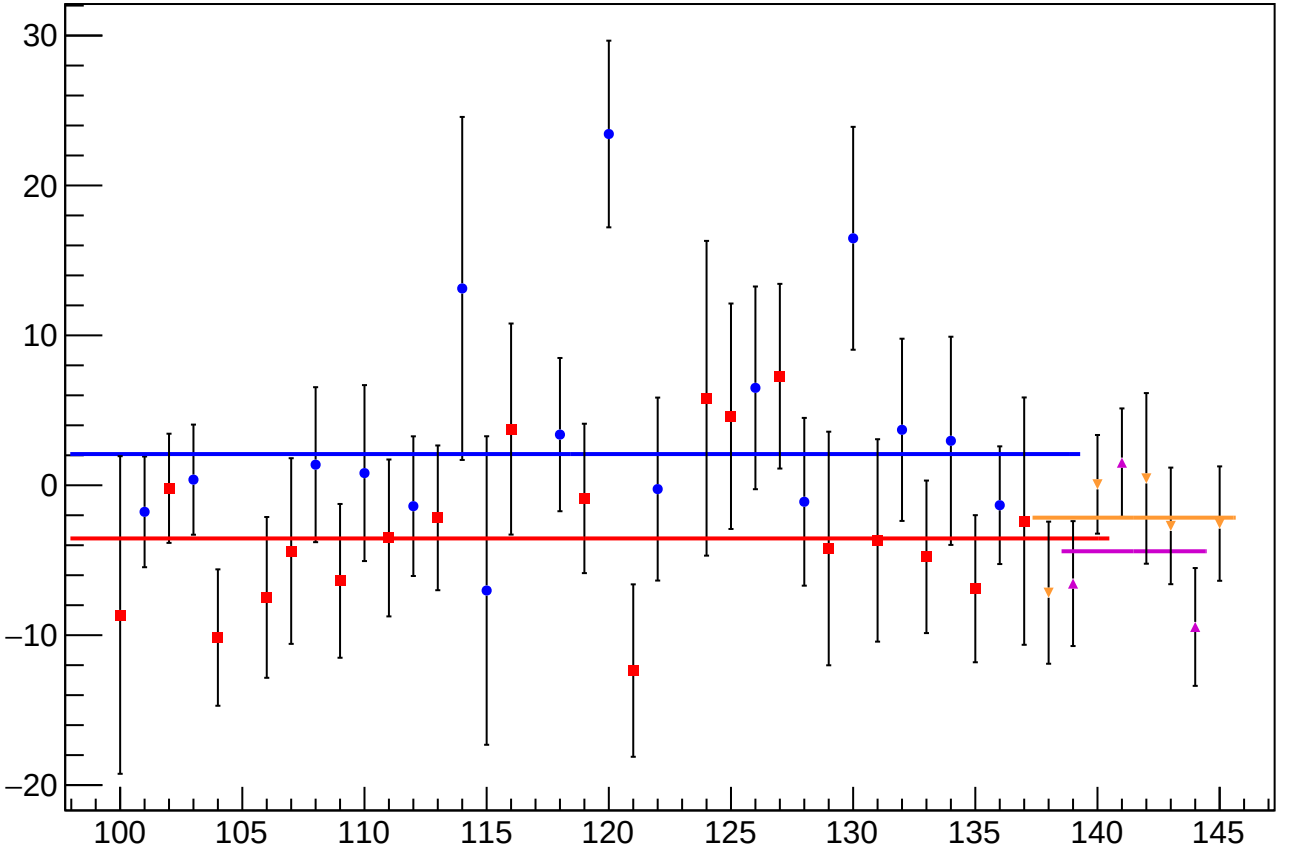
Left In: 5502.694+/-2.438 χ^2/NDF:137090.8/2

+ sign 6837.217+/-1.589 χ^2/NDF: 3067755.3/20

All: 7208.244+/-1.210 χ^2/NDF: 6204294.1/42

- sign 7719.644+/-1.866 χ^2/NDF: 3006913.9/21

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

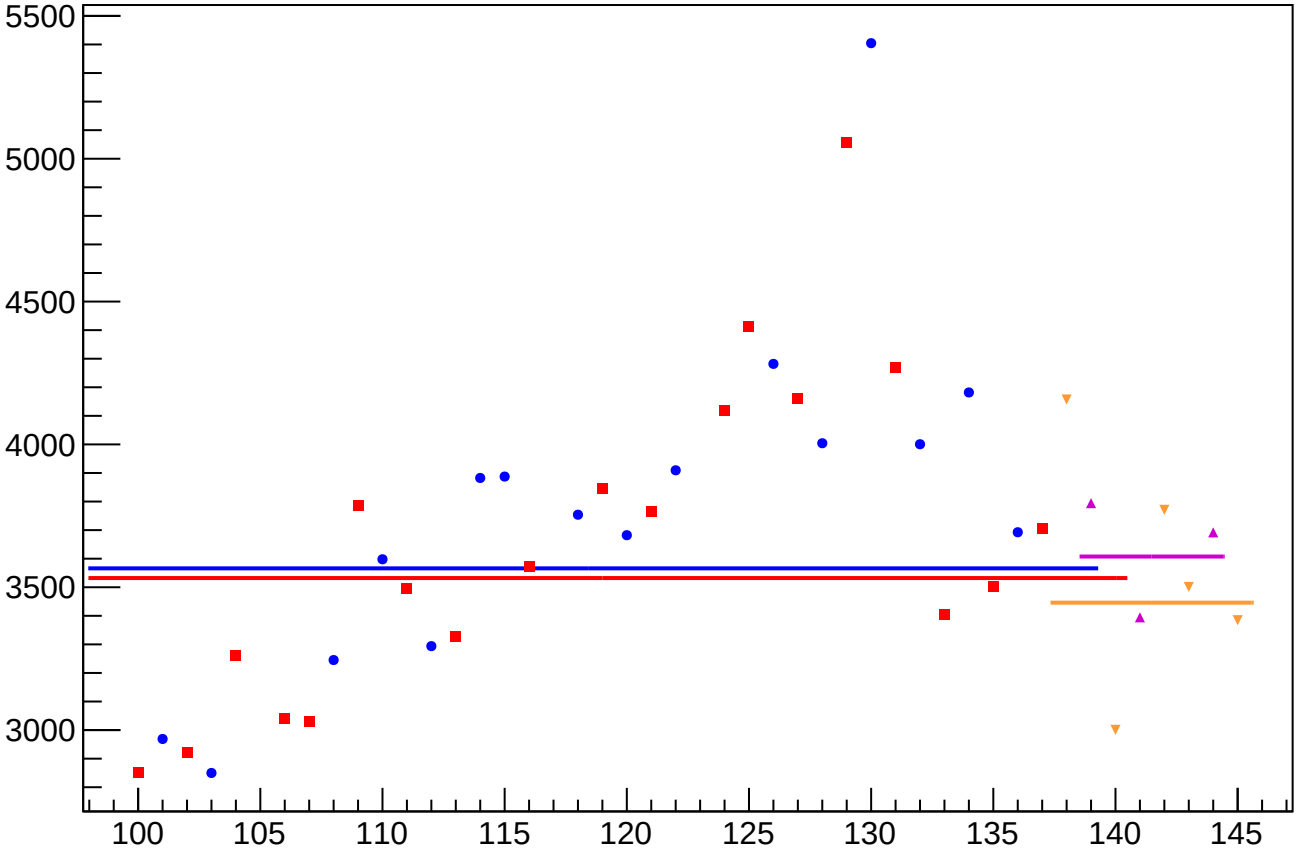
Left In: -4.402+/-2.243 χ^2/NDF:4.6/2

+ sign 0.581+/-1.081 χ^2/NDF: 26.3/20

All: -1.500+/-0.780 χ^2/NDF: 52.2/42

- sign -3.763+/-1.128 χ^2/NDF: 18.1/21

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

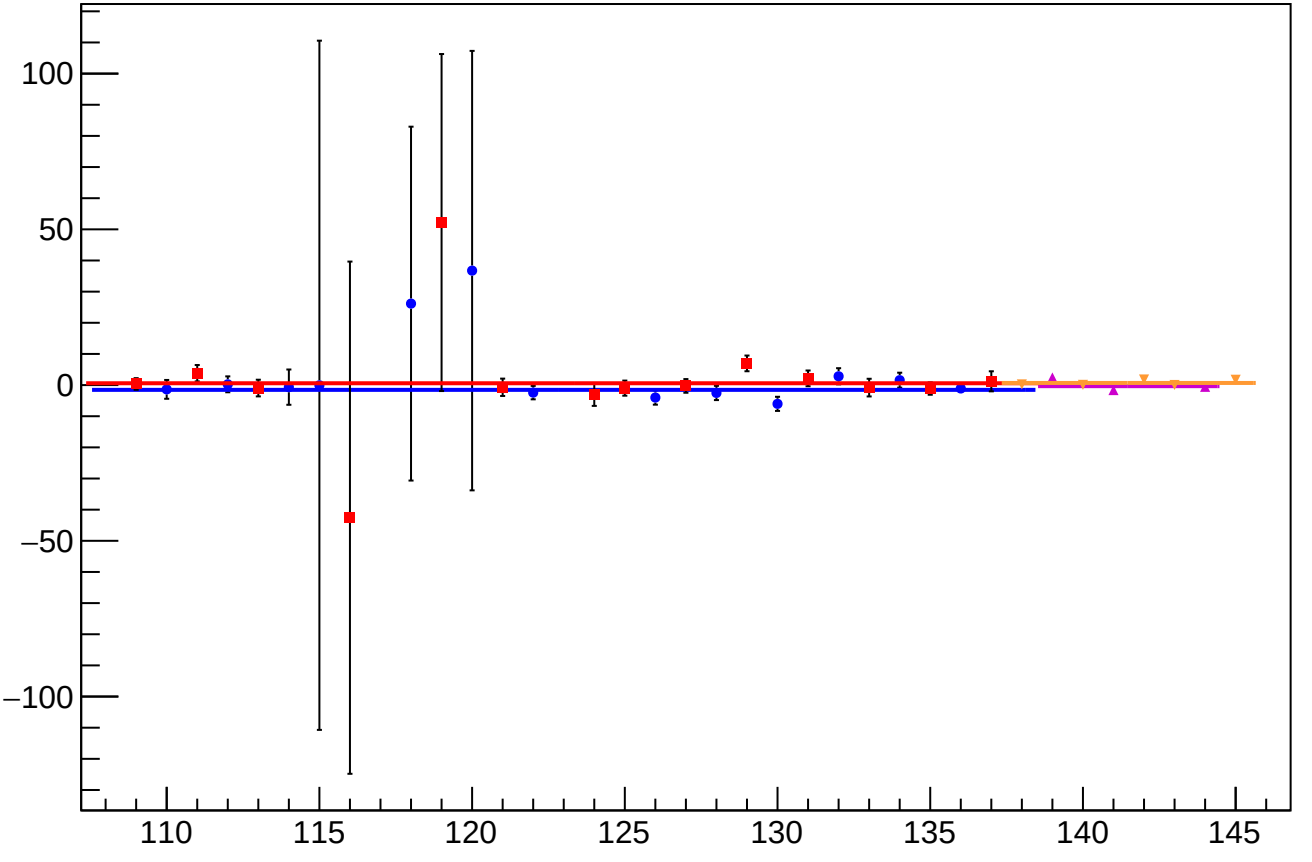
Left In: 3607.533+/-1.586 χ^2/NDF:11864.5/2

+ sign 3523.655+/-0.765 χ^2/NDF: 435793.4/20

All: 3536.862+/-0.552 χ^2/NDF: 728659.5/42

- sign 3551.219+/-0.797 χ^2/NDF: 292243.5/21

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

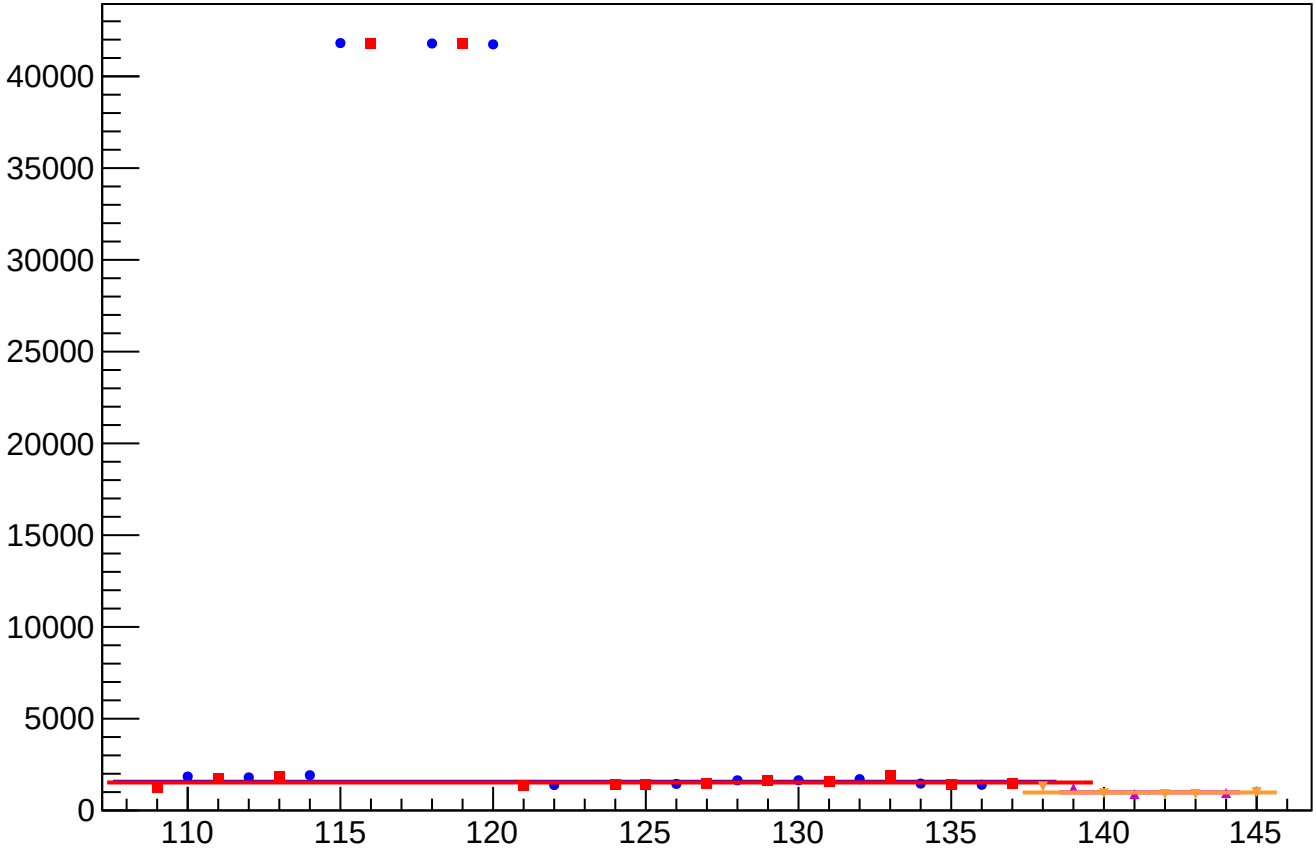
Left In: -0.345+/-0.616 χ^2/NDF:6.2/2

+ sign -0.053+/-0.422 χ^2/NDF: 19.6/17

All: -0.006+/-0.313 χ^2/NDF: 39.5/34

- sign 0.051+/-0.467 χ^2/NDF: 19.8/16

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

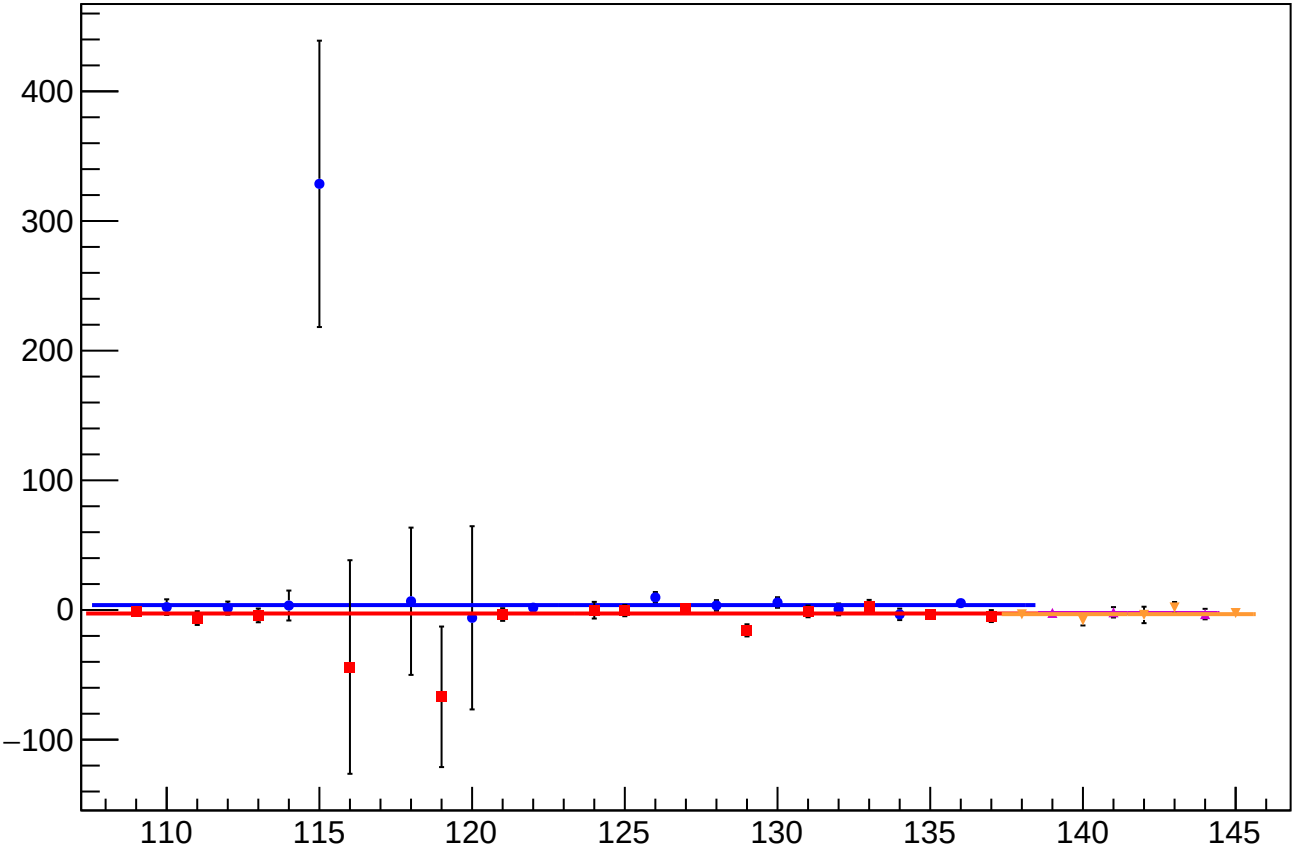
Left In: 985.422+/-0.436 χ^2/NDF:79820.8/2

+ sign 1172.472+/-0.298 χ^2/NDF: 2990891.2/17

All: 1191.186+/-0.221 χ^2/NDF: 5467096.6/34

- sign 1214.161+/-0.331 χ^2/NDF: 2467439.1/16

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

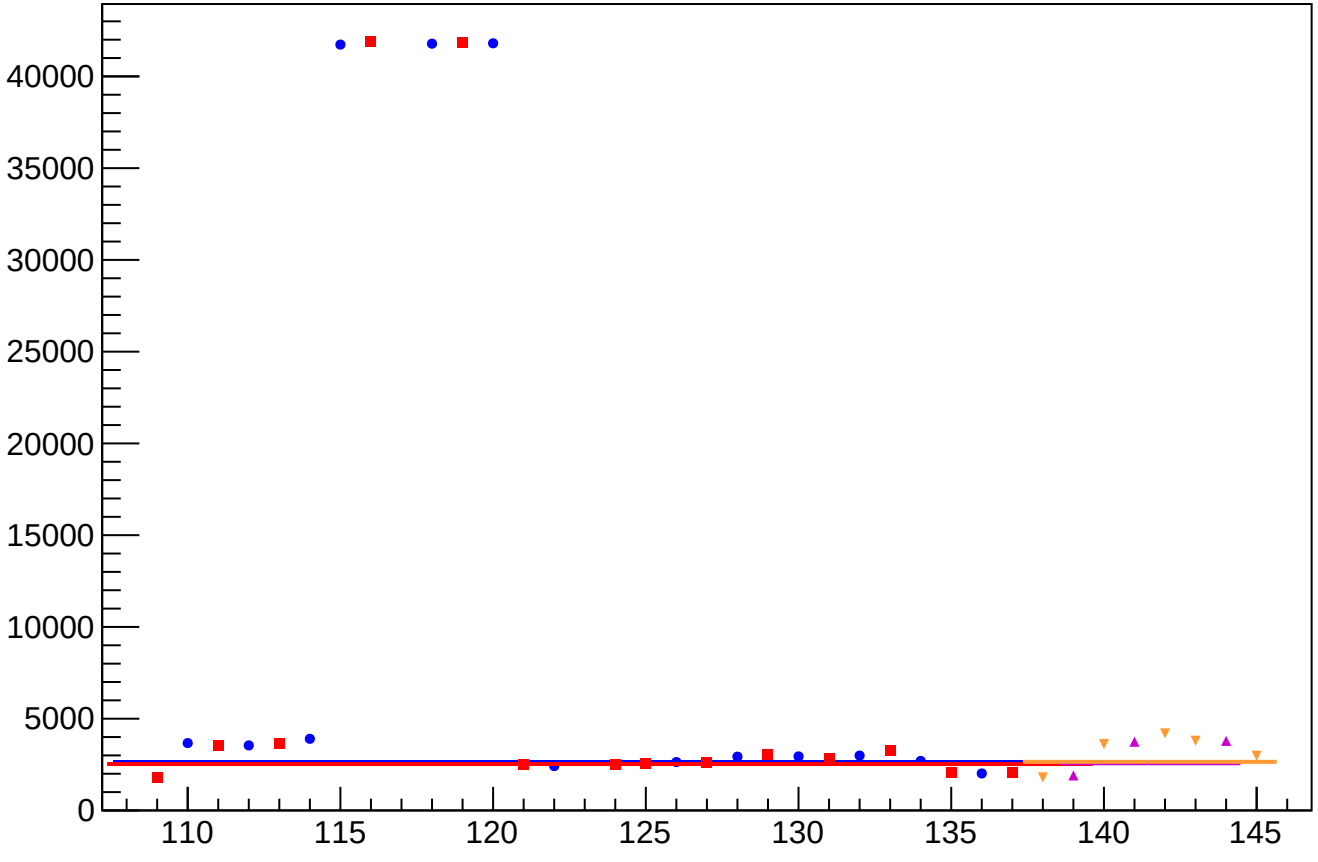
Left In: -2.312+/-1.697 χ^2/NDF:0.1/2

+ sign 0.873+/-0.954 χ^2/NDF: 31.2/17

All: -0.795+/-0.685 χ^2/NDF: 51.2/34

- sign -2.575+/-0.986 χ^2/NDF: 13.7/16

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

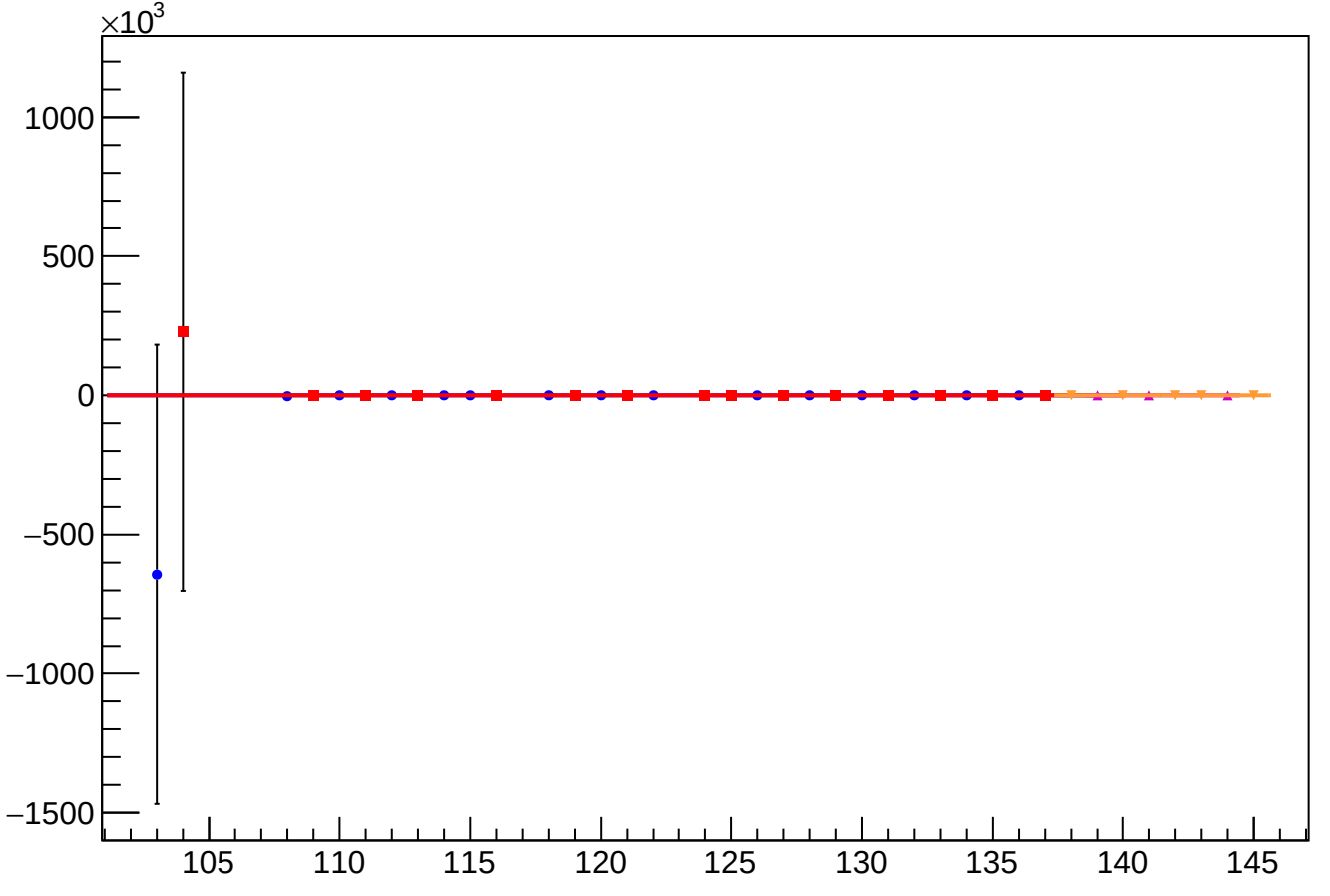
Left In: 2570.538+/-1.200 χ^2/NDF:551806.8/2

+ sign 2643.504+/-0.675 χ^2/NDF: 2907050.3/17

All: 2594.908+/-0.485 χ^2/NDF: 5420309.7/34

- sign 2543.032+/-0.697 χ^2/NDF: 2502528.5/16

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

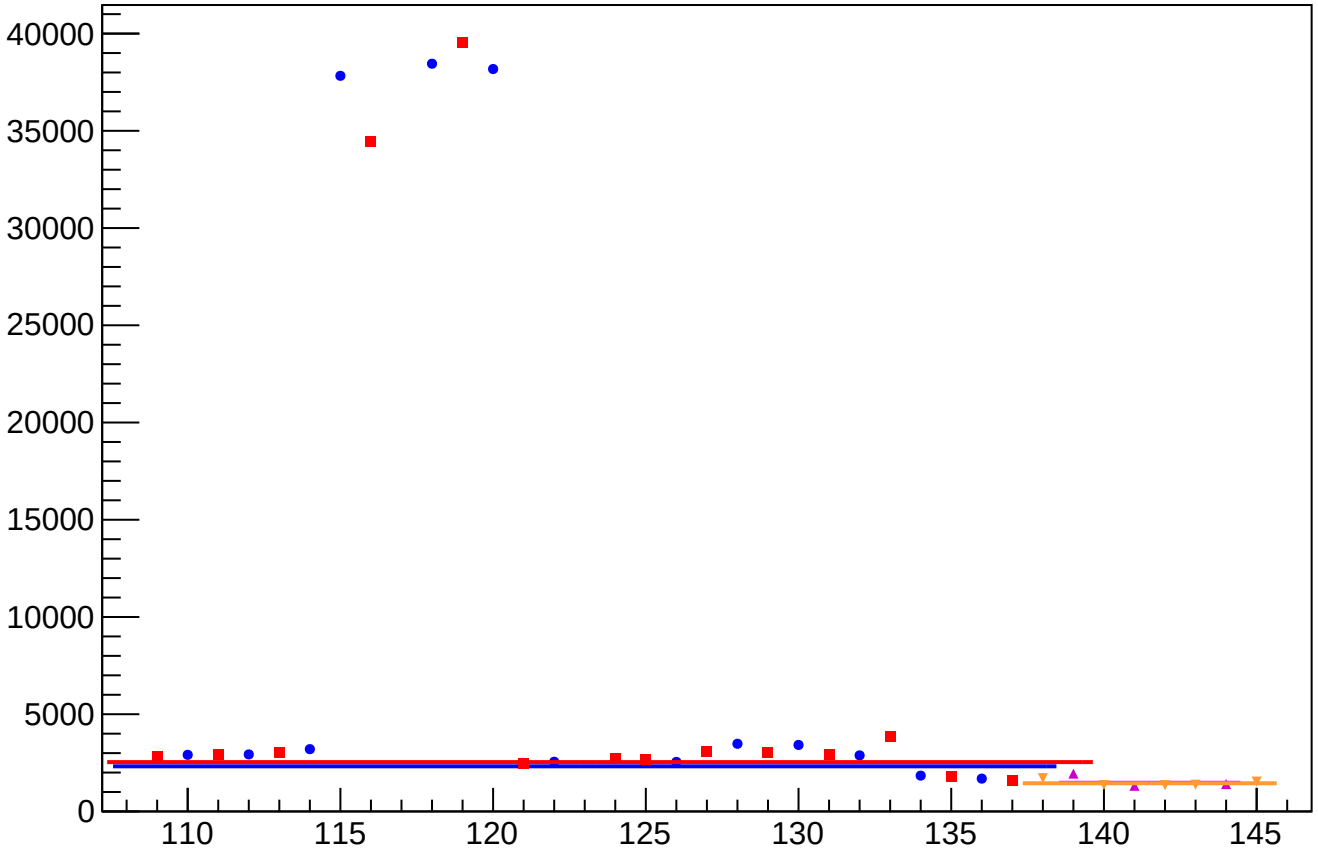
Left In: -0.899+/-0.925 χ^2/NDF:0.4/2

+ sign -0.524+/-0.631 χ^2/NDF: 24.9/19

All: -0.960+/-0.479 χ^2/NDF: 42.2/37

- sign -1.552+/-0.735 χ^2/NDF: 16.2/17

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

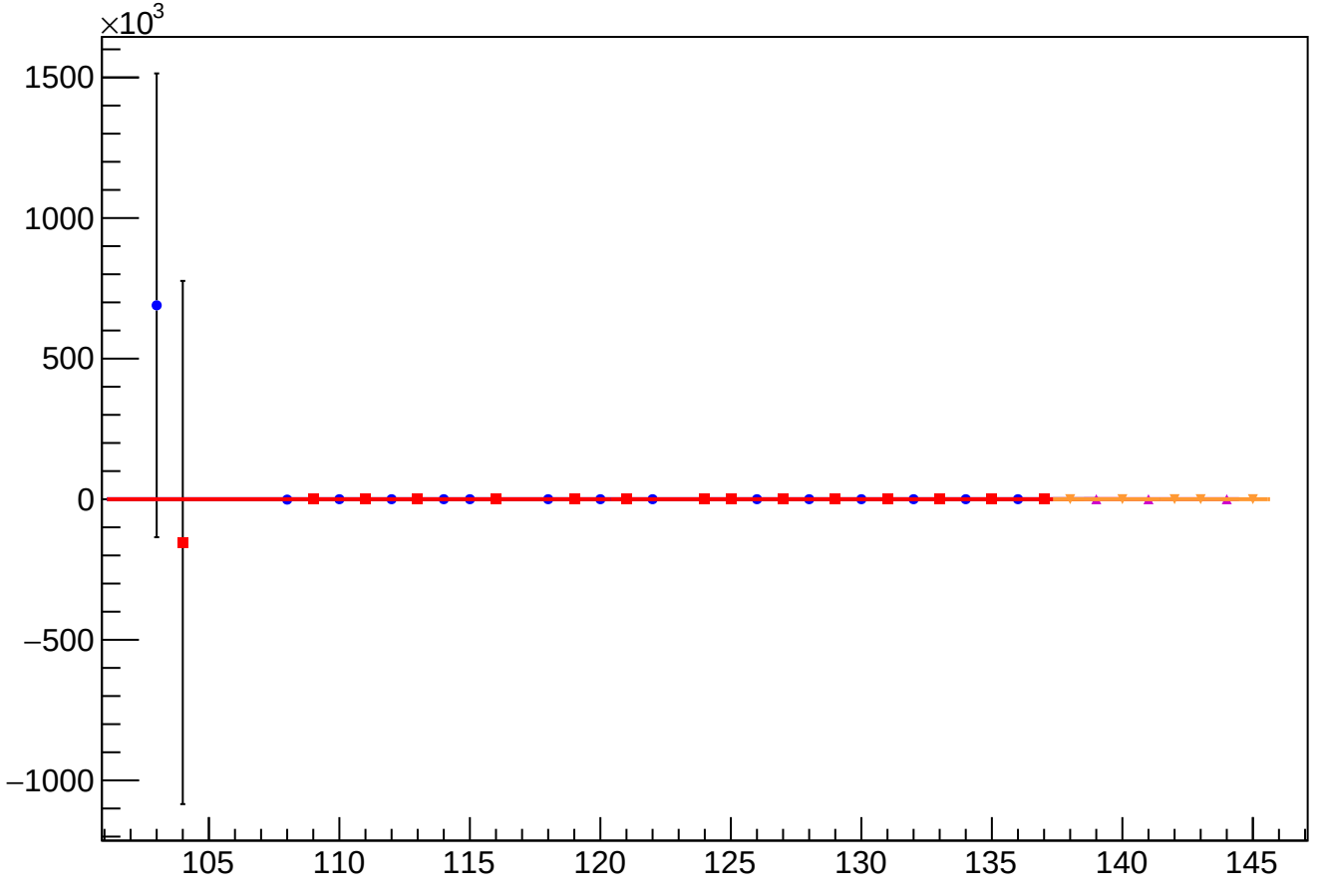
Left In: 1474.294+/-0.654 χ^2/NDF:127354.2/2

+ sign 1723.156+/-0.446 χ^2/NDF: 3340005.8/17

All: 1783.767+/-0.338 χ^2/NDF: 6522582.6/34

- sign 1866.172+/-0.520 χ^2/NDF: 3138975.4/16

diff_bpm1p03aY_mean vs Slug



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

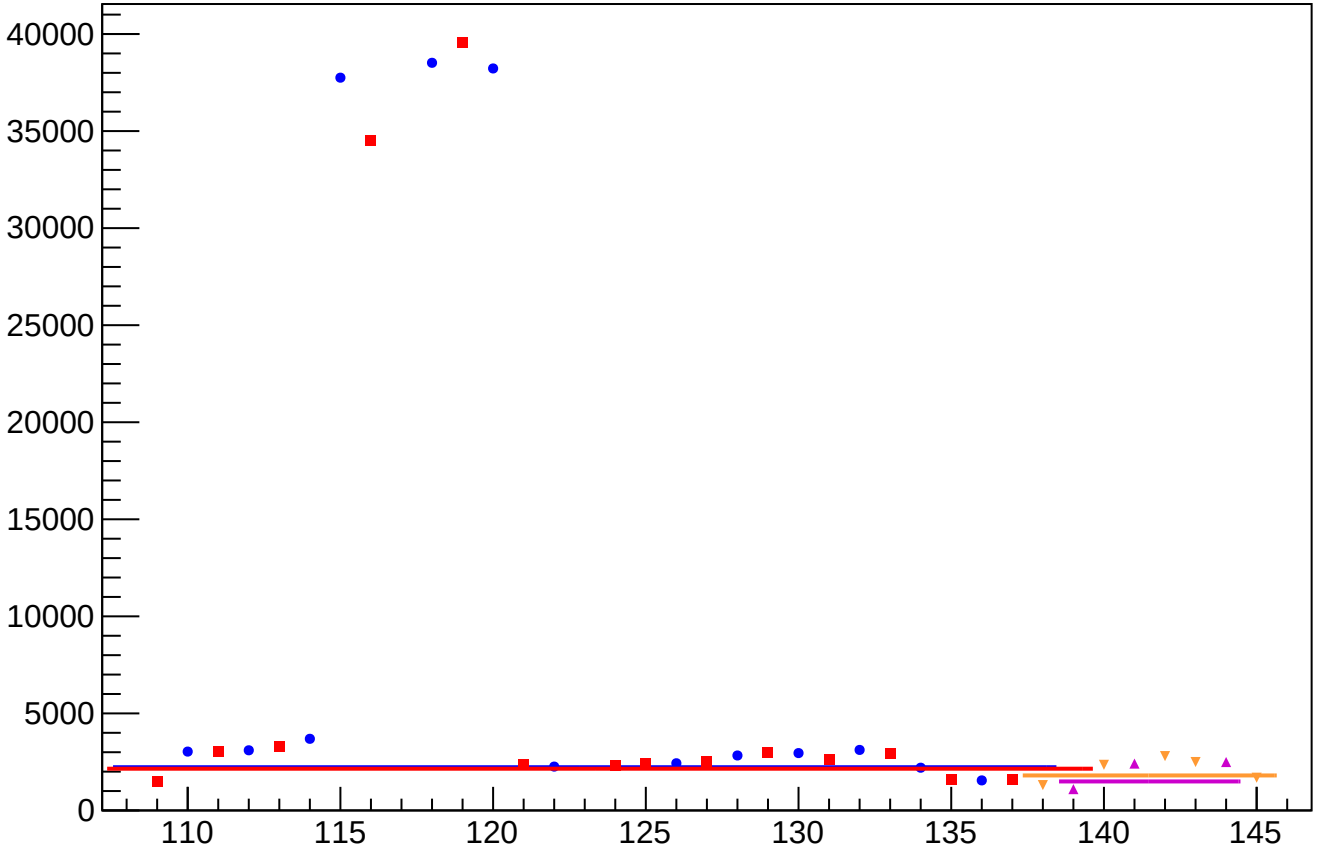
Left In: 0.127+/-1.005 χ^2/NDF:0.6/2

\+ sign -0.108+/-0.737 χ^2/NDF: 15.2/19

All: -0.478+/-0.517 χ^2/NDF: 33.5/37

\- sign -0.838+/-0.727 χ^2/NDF: 17.8/17

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

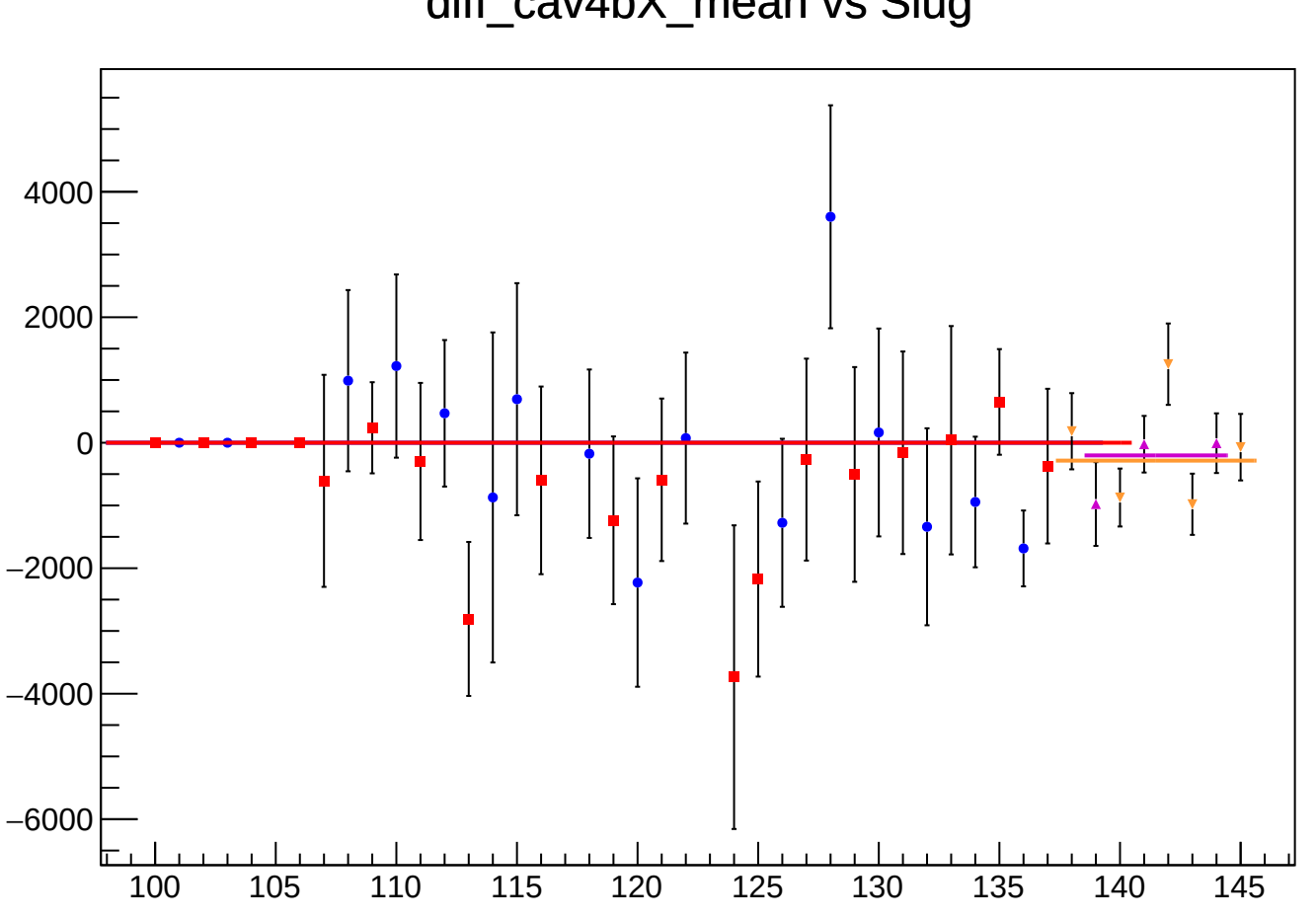
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1494.393+/-0.711 χ^2/NDF:752276.2/2

\+ sign 2002.118+/-0.521 χ^2/NDF: 3211411.0/17

All: 1903.556+/-0.366 χ^2/NDF: 6672742.4/34

\- sign 1807.759+/-0.514 χ^2/NDF: 3390808.8/16



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -284.980+/-238.764 χ^2/NDF:10.0/4

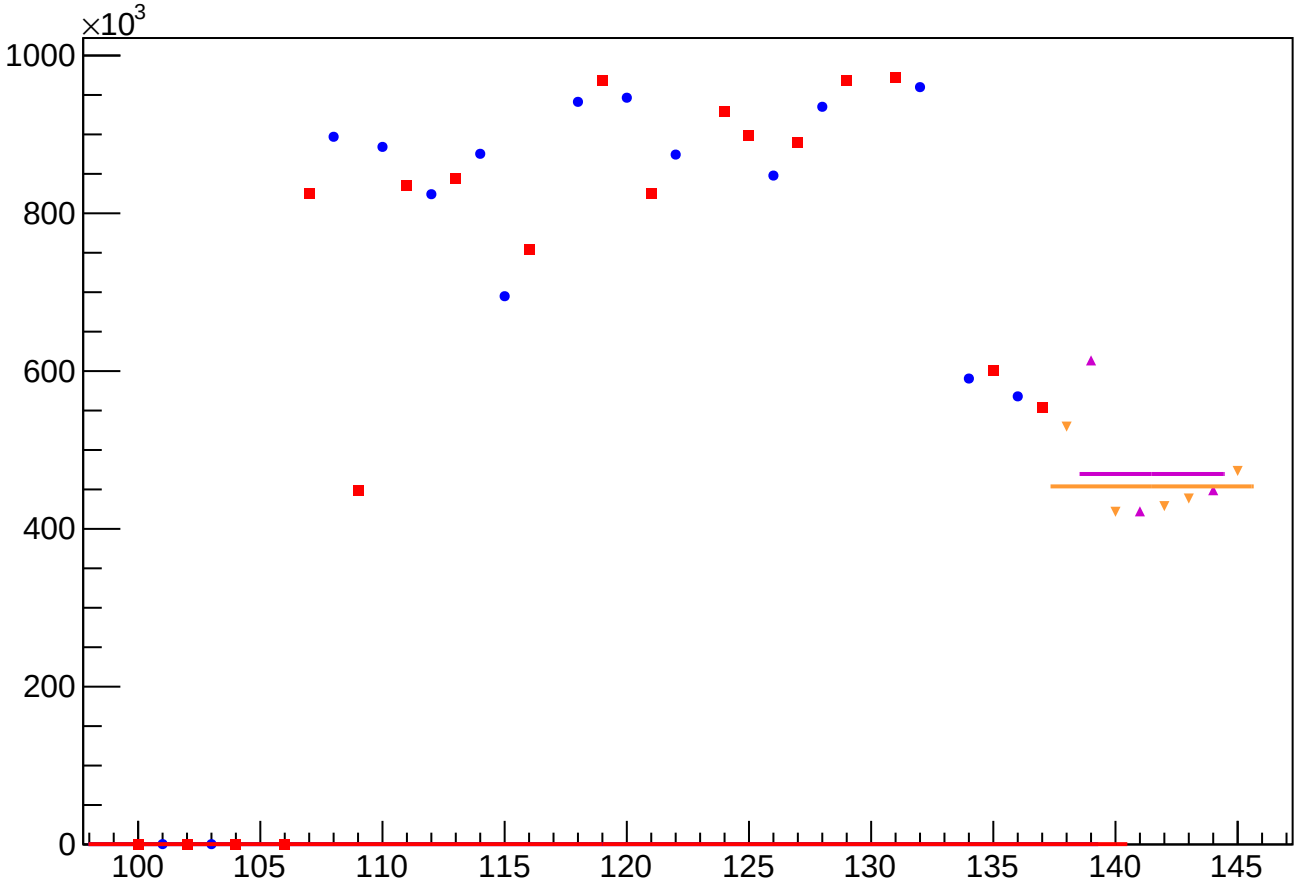
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -202.178+/-293.843 χ^2/NDF:1.7/2

+ sign 0.255+/-0.356 χ^2/NDF: 29.2/20

All: 0.169+/-0.241 χ^2/NDF: 46.9/42

- sign 0.096+/-0.328 χ^2/NDF: 17.6/21



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

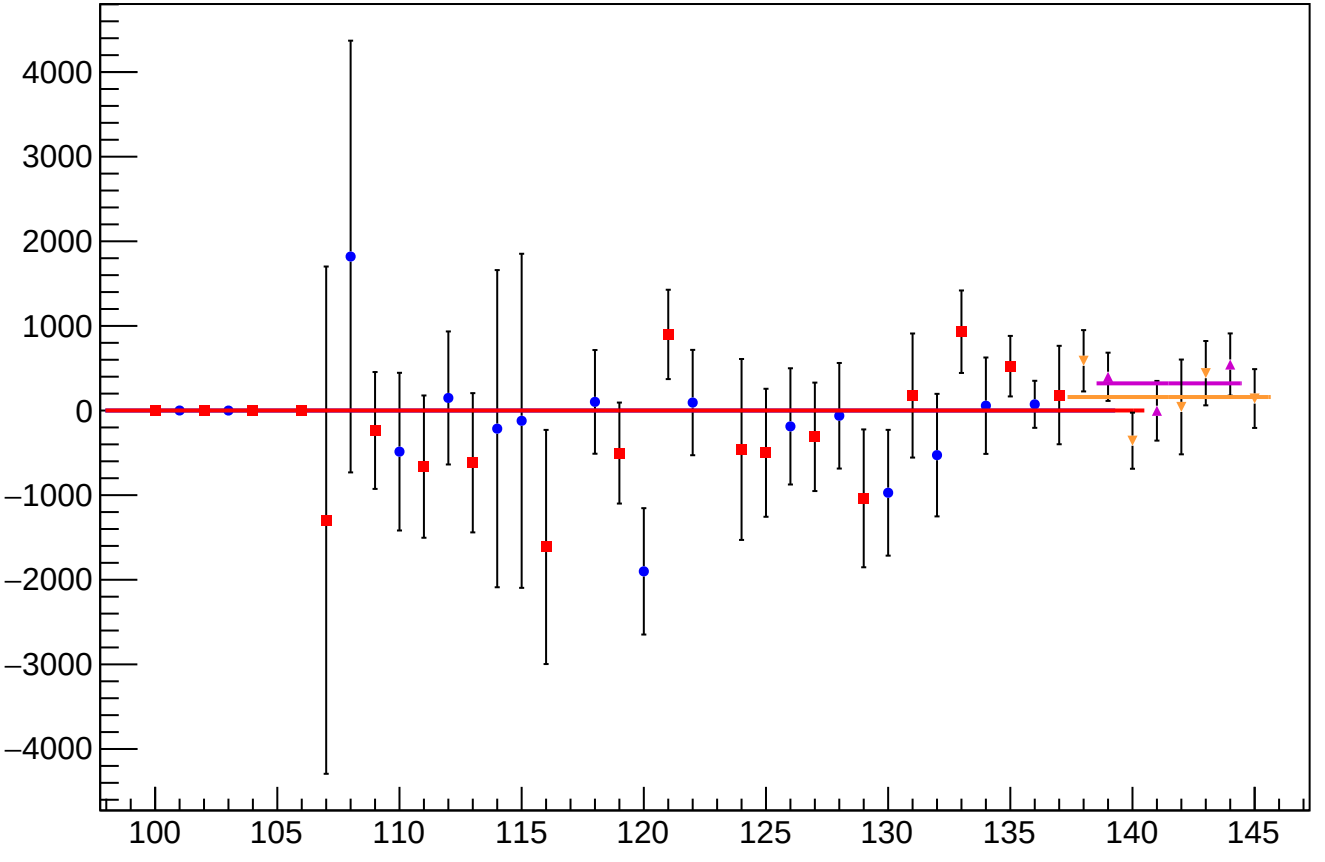
Left In: 469587.921+/-207.778 χ^2/NDF:118881.1/2

+ sign 399.887+/-0.251 χ^2/NDF: 15753910.1/19

All: 396.609+/-0.170 χ^2/NDF: 28620930.7/40

- sign 393.824+/-0.232 χ^2/NDF: 12866706.3/20

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

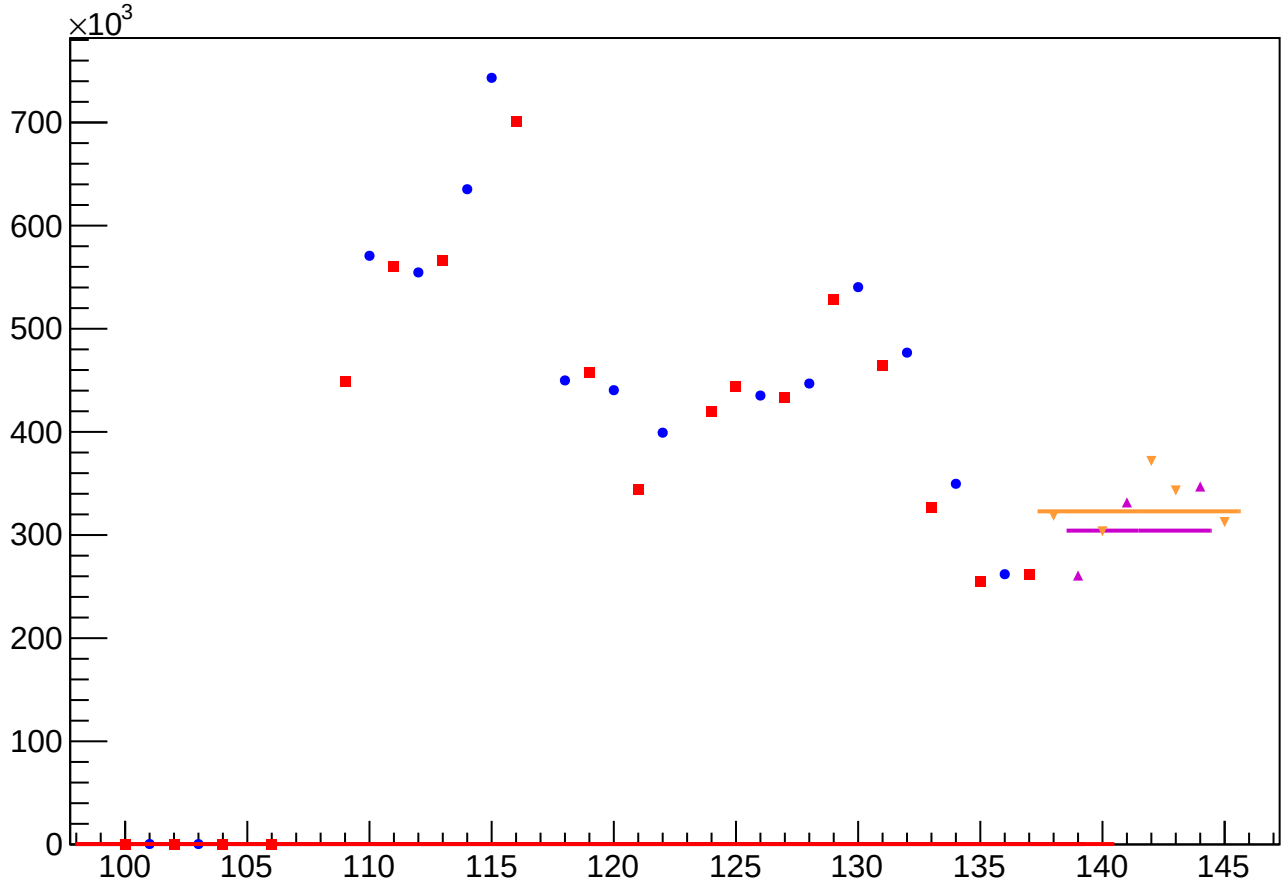
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 321.066+/-189.835 χ^2/NDF:1.3/2

+ sign -0.020+/-0.347 χ^2/NDF: 15.8/20

All: 0.311+/-0.237 χ^2/NDF: 36.6/42

- sign 0.600+/-0.324 χ^2/NDF: 19.1/21



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

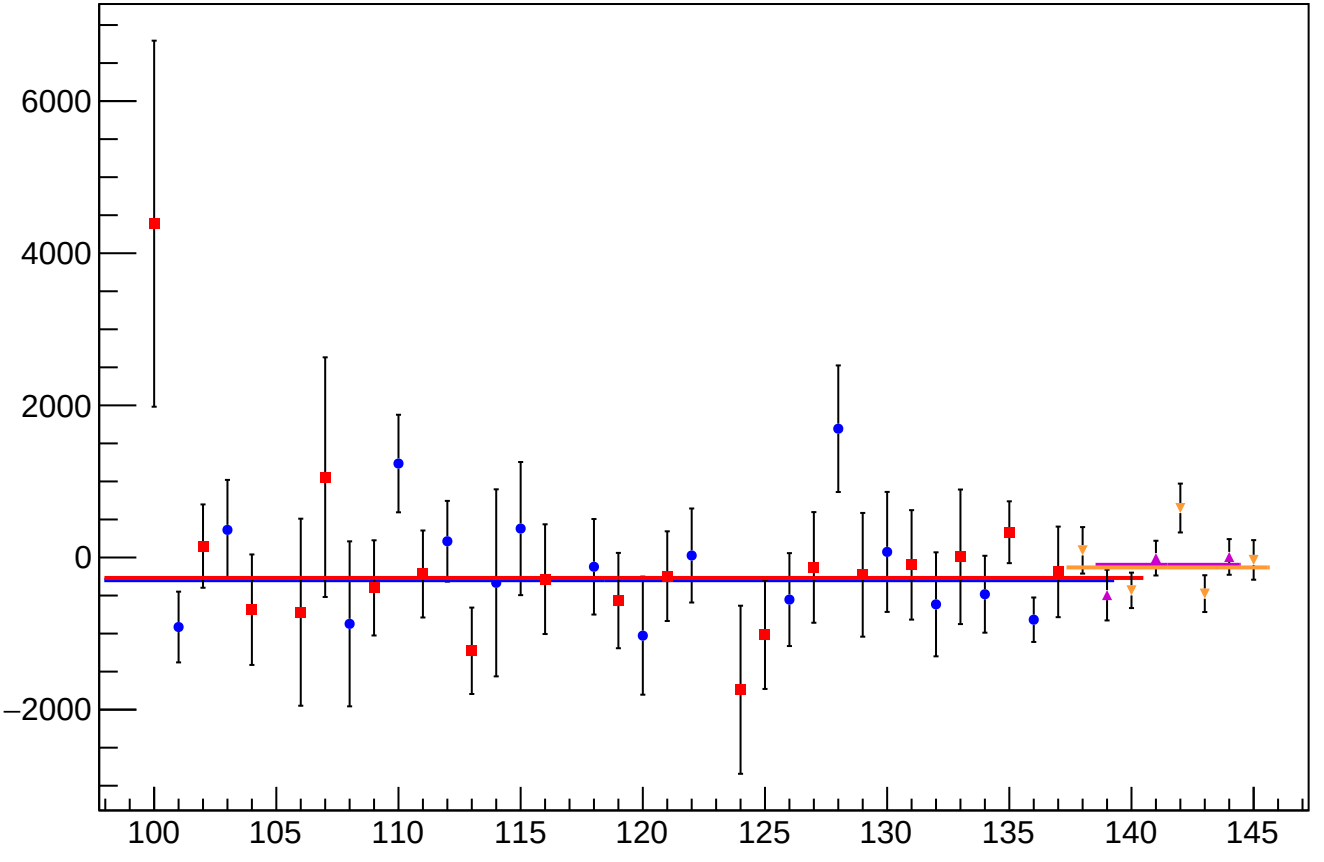
Left In: 304277.252+/-134.234 χ^2/NDF:85829.0/2

+ sign 391.640+/-0.245 χ^2/NDF: 18466668.3/19

All: 390.158+/-0.167 χ^2/NDF: 34751999.1/40

- sign 388.868+/-0.229 χ^2/NDF: 16285262.6/20

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

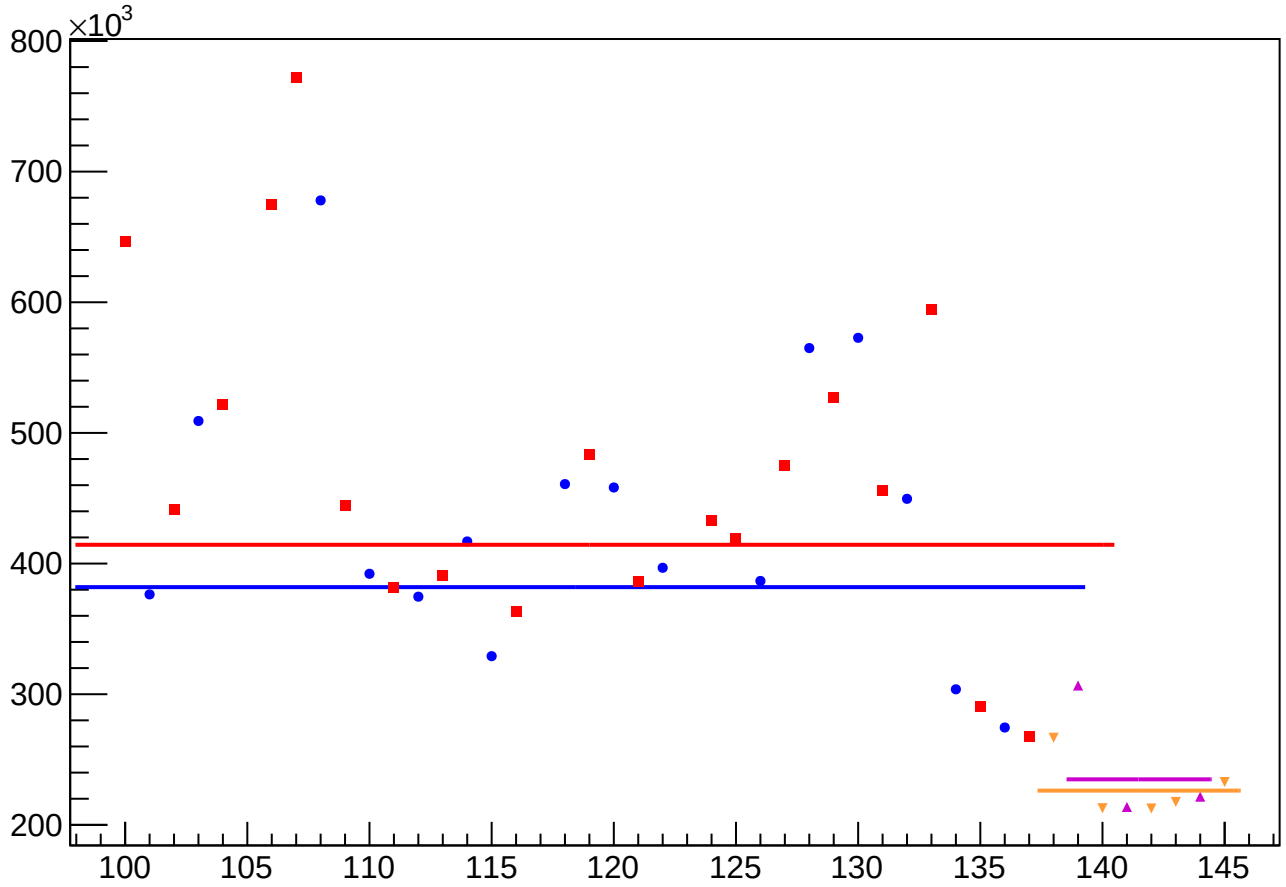
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -96.238+/-146.861 χ^2/NDF:1.8/2

+ sign -196.698+/-92.545 χ^2/NDF: 32.3/20

All: -188.296+/-70.029 χ^2/NDF: 48.6/42

- sign -177.039+/-107.118 χ^2/NDF: 16.3/21



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

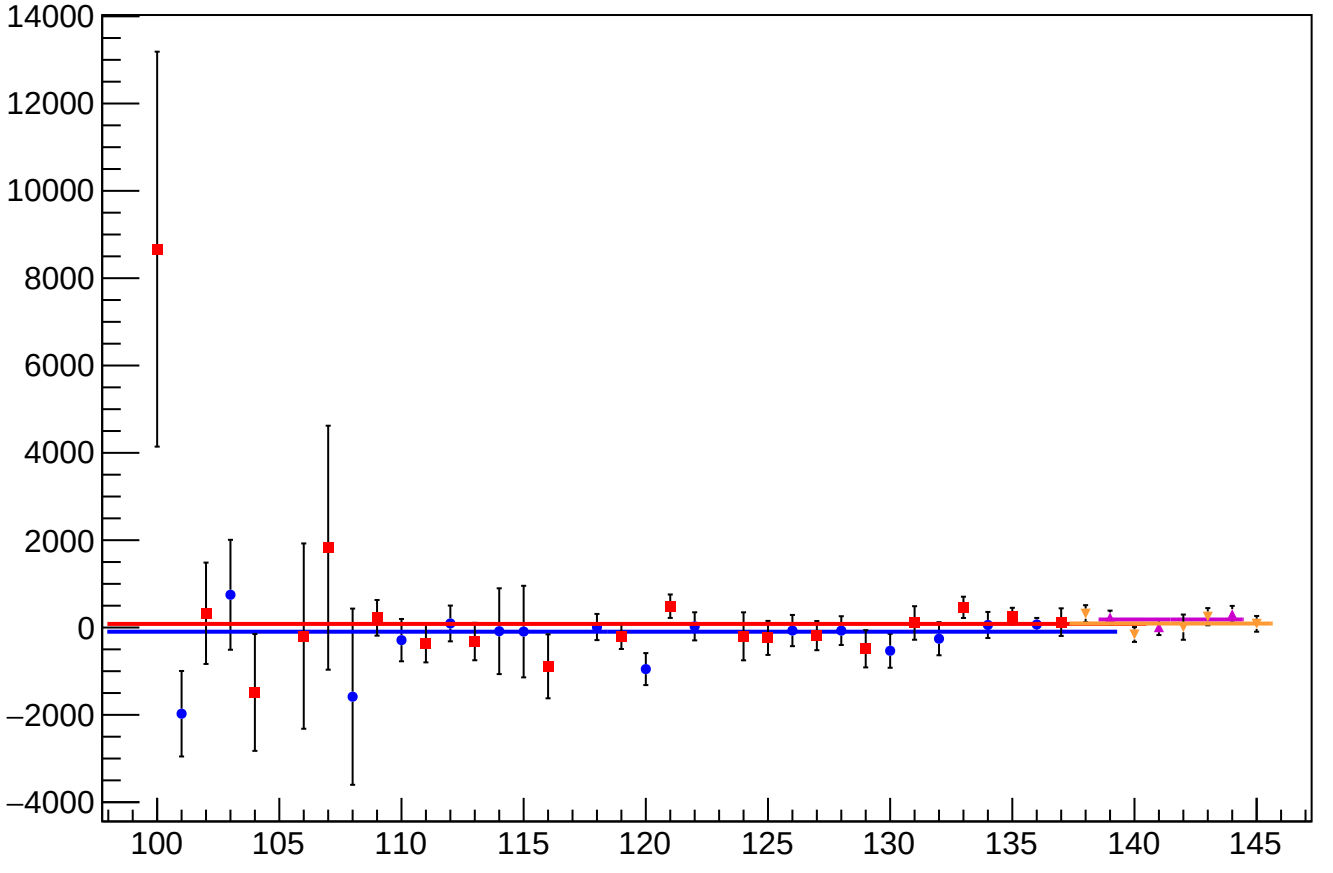
Left In: 234850.778+/-103.847 χ^2/NDF:116261.3/2

+ sign 287631.124+/-65.444 χ^2/NDF: 2238092.9/20

All: 300971.697+/-49.523 χ^2/NDF: 4609976.

- sign 318846.462+/-75.753 χ^2/NDF: 2274652.3/21

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

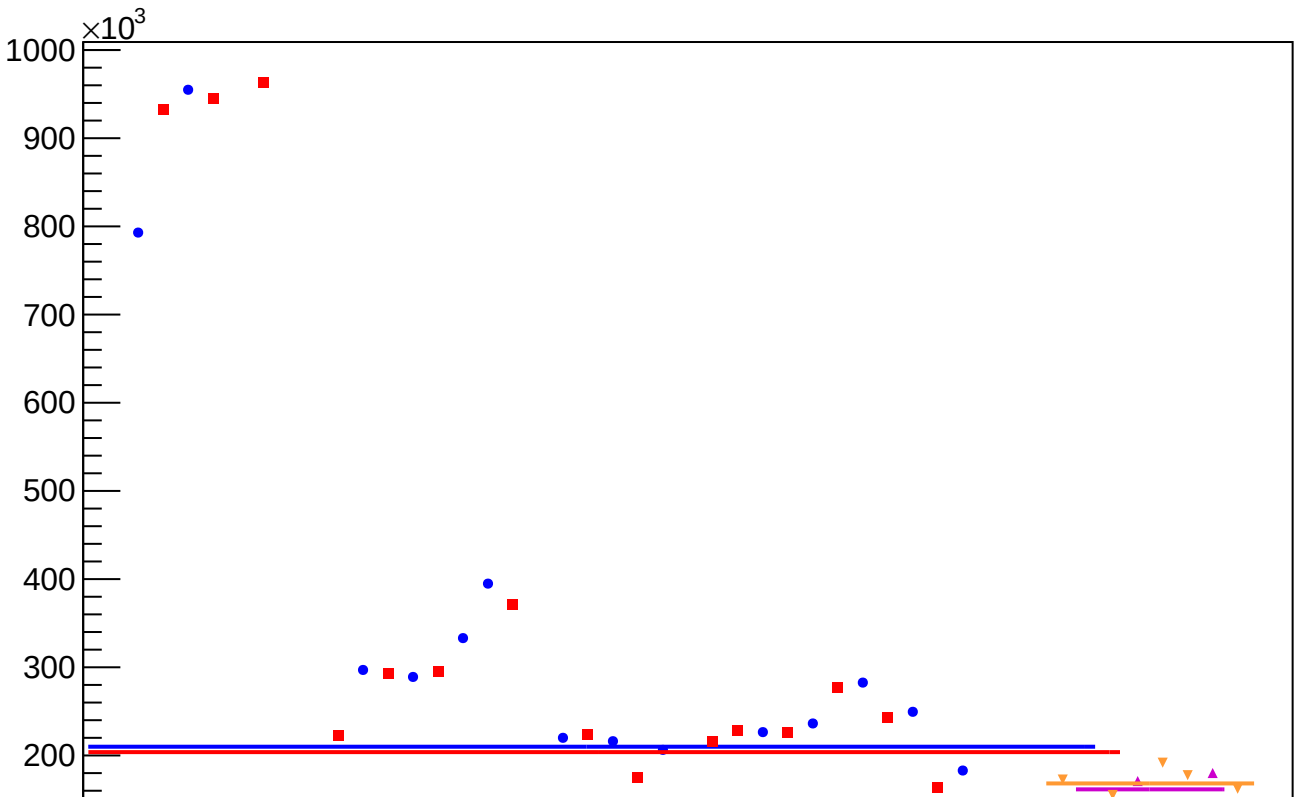
Left In: 183.655+/-100.540 χ^2/NDF:1.4/2

+ sign -2.026+/-62.291 χ^2/NDF: 20.2/20

All: 58.425+/-45.277 χ^2/NDF: 43.3/42

- sign 126.134+/-65.925 χ^2/NDF: 21.1/21

diff_cav4cY_rms vs Slug



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

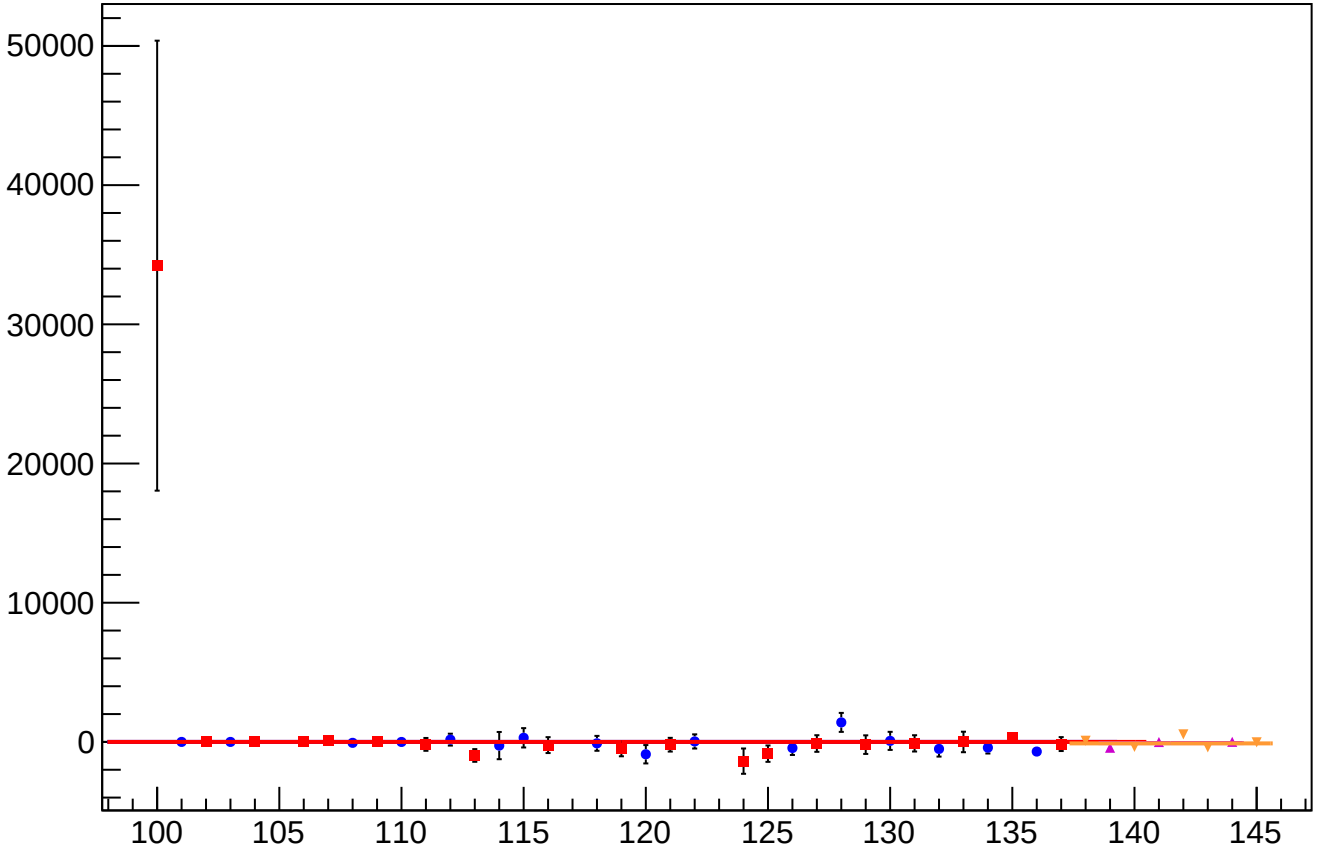
Left In: 161559.746+/-71.093 χ^2/NDF:54902.1/2

+ sign 188984.916+/-44.085 χ^2/NDF: 2215946.3/19

All: 187381.547+/-32.051 χ^2/NDF: 4544881.8

- sign 185583.718+/-46.682 χ^2/NDF: 2326129.6/19

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

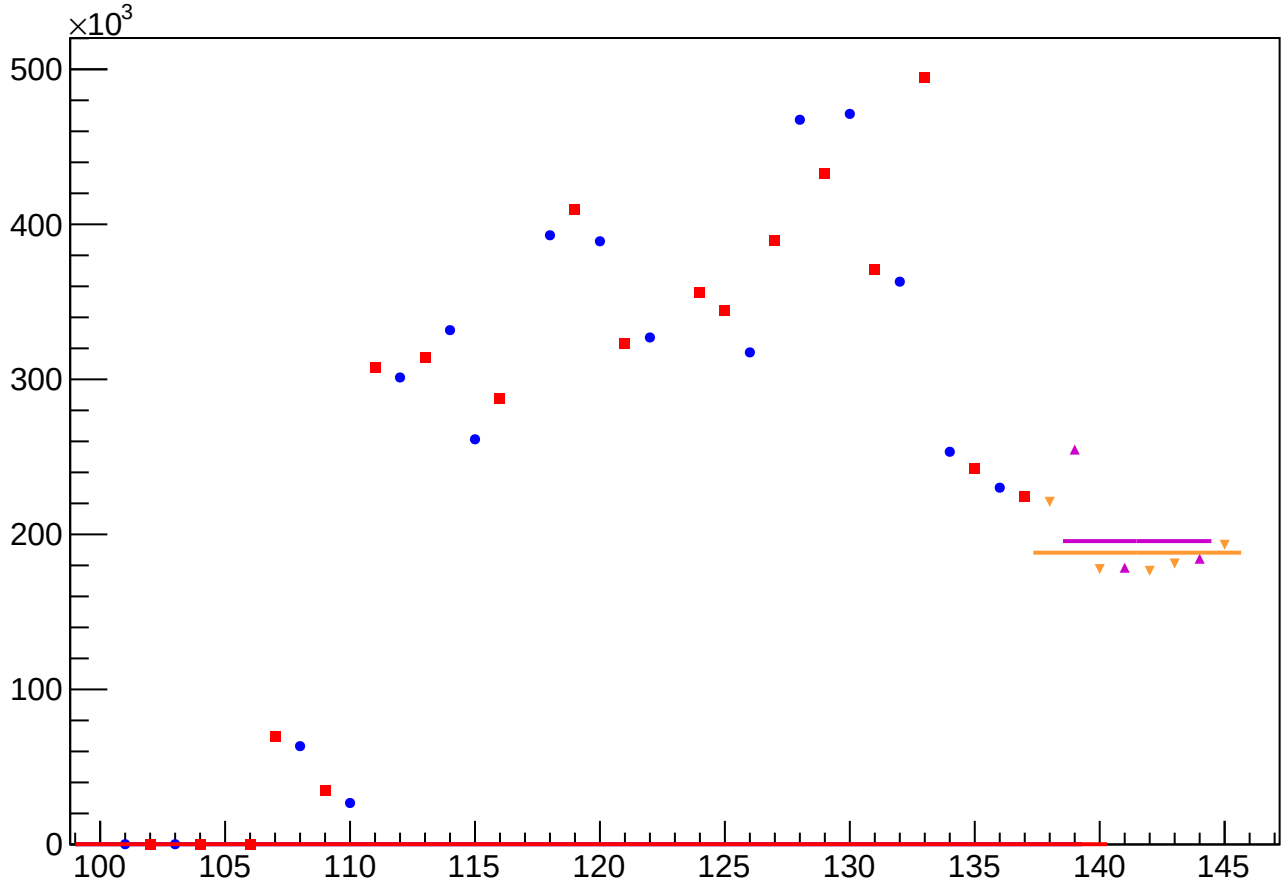
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -82.054+/-122.330 χ^2/NDF:1.8/2

+ sign -0.035+/-0.172 χ^2/NDF: 29.6/20

All: -0.207+/-0.117 χ^2/NDF: 50.2/42

- sign -0.355+/-0.160 χ^2/NDF: 18.8/21



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

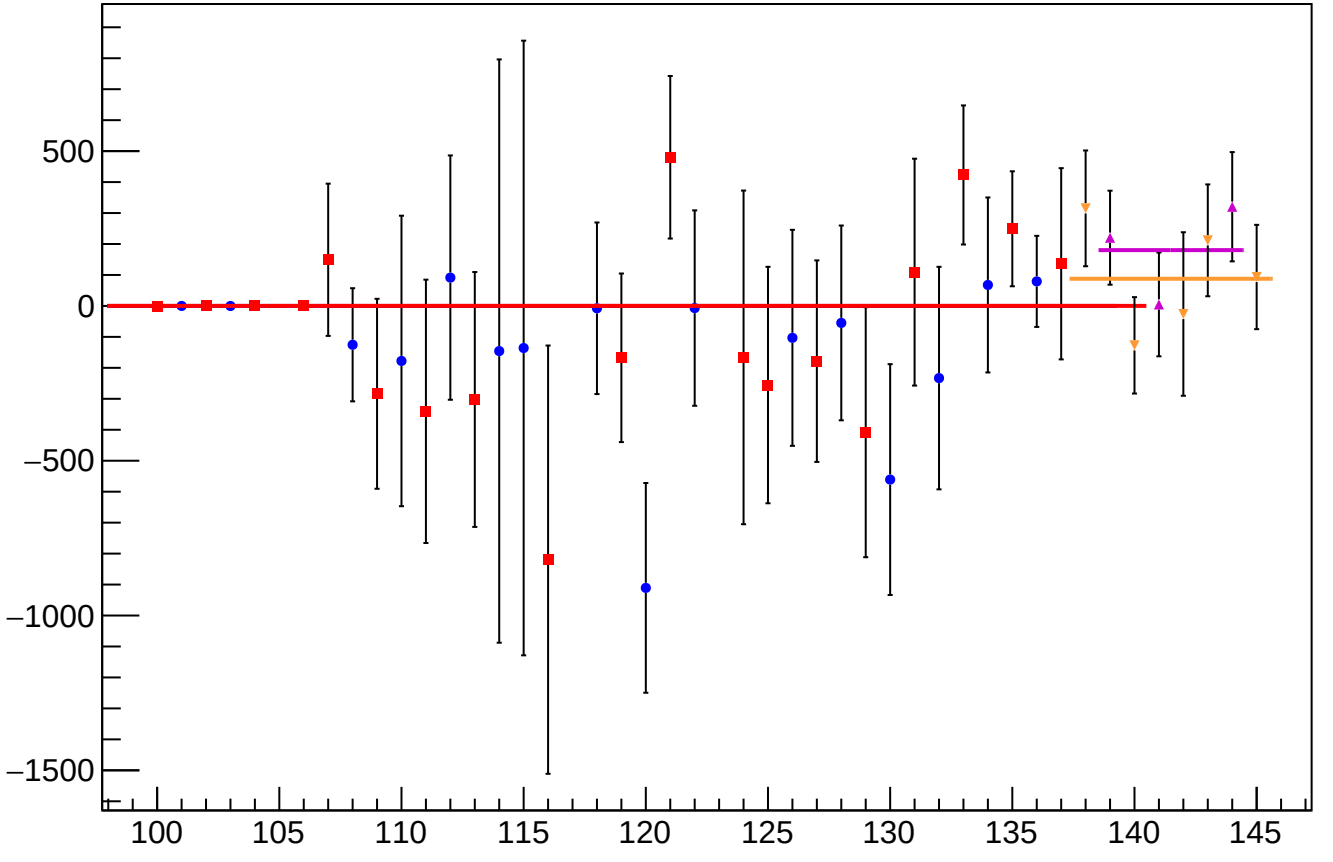
Left In: 195668.078+/-86.500 χ^2/NDF:113903.1/2

+ sign 149.662+/-0.122 χ^2/NDF: 18573000.9/20

All: 149.690+/-0.083 χ^2/NDF: 35084698.8/41

- sign 149.714+/-0.113 χ^2/NDF: 16511697.8/20

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

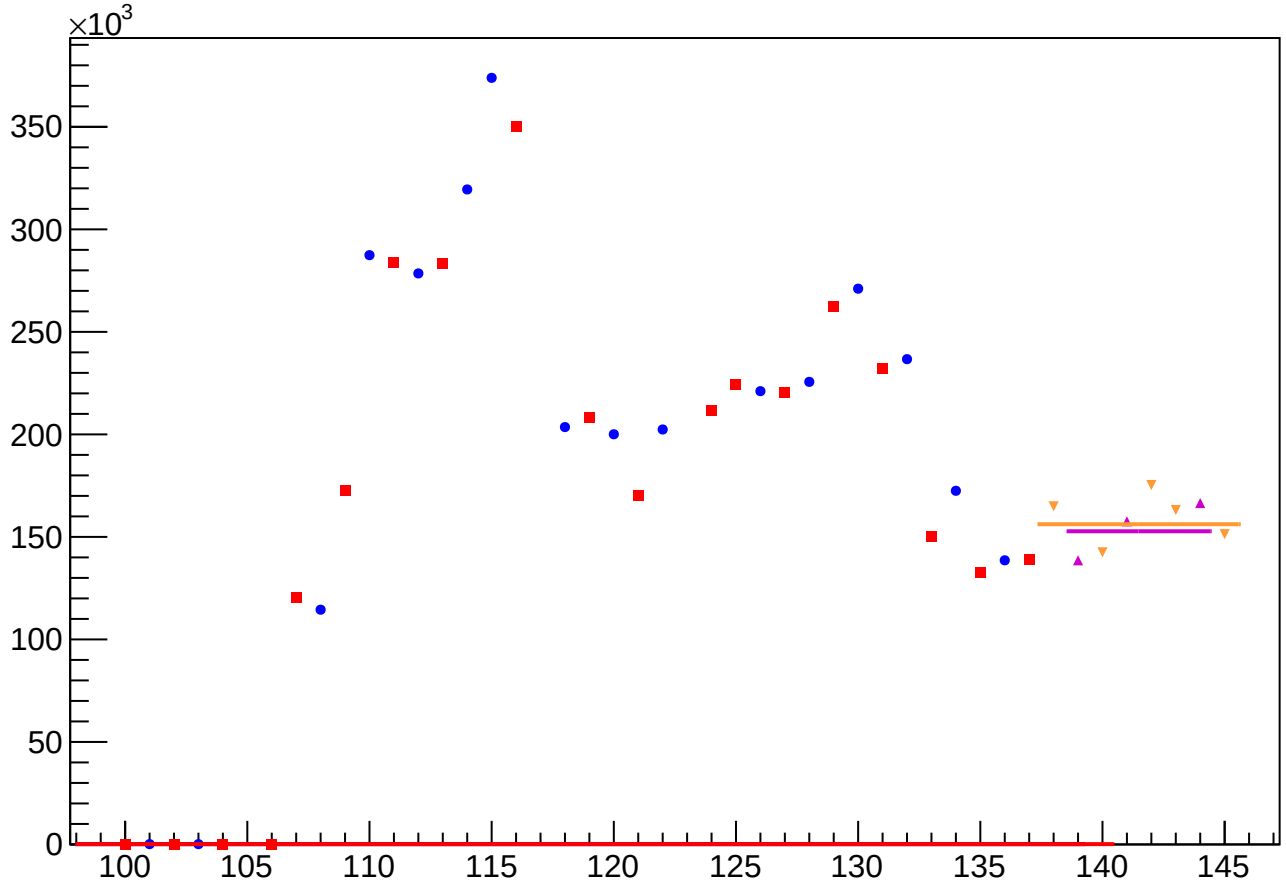
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 180.225+/-94.867 χ^2/NDF:1.8/2

\+ sign -0.068+/-0.177 χ^2/NDF: 16.4/20

All: 0.036+/-0.121 χ^2/NDF: 37.7/42

\- sign 0.127+/-0.166 χ^2/NDF: 20.6/21



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 156178.564+/-57.723 χ^2/NDF:34955.4/4

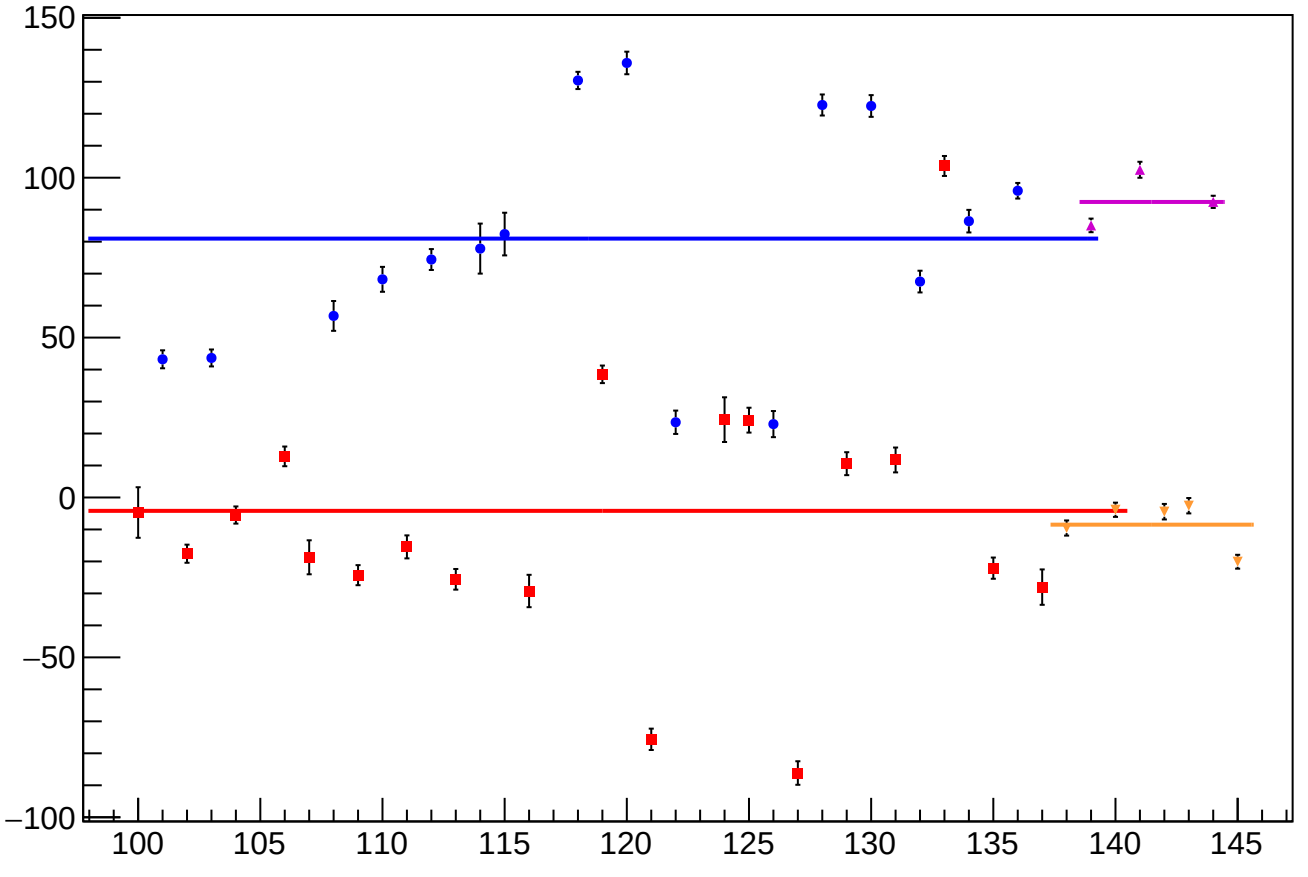
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 152750.940+/-67.081 χ^2/NDF:31254.0/2

+ sign 154.195+/-0.125 χ^2/NDF: 19245969.8/20

All: 155.487+/-0.086 χ^2/NDF: 35782945.4/42

- sign 156.628+/-0.118 χ^2/NDF: 16536775.5/21



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

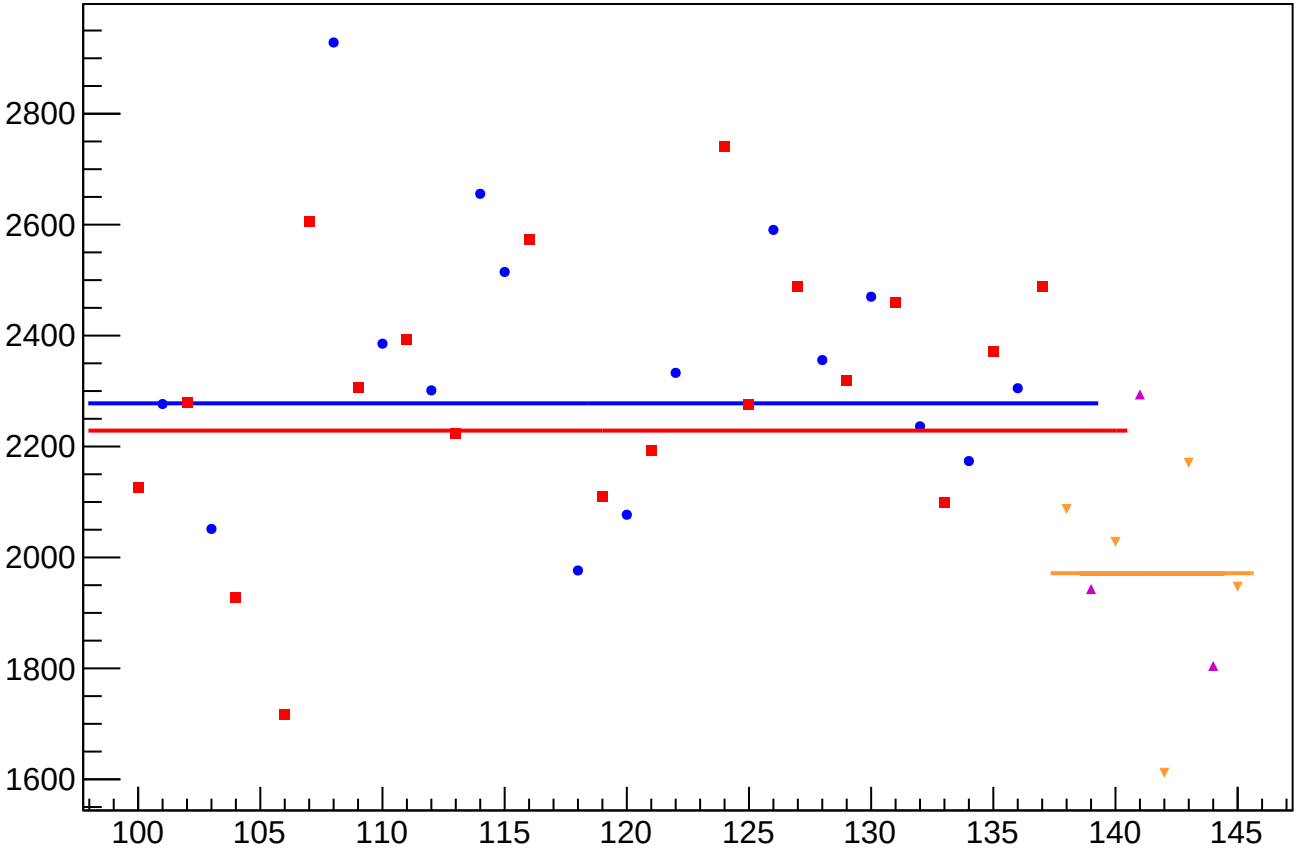
Left In: 92.413+/-1.237 χ^2/NDF:28.0/2

\+ sign 44.846+/-0.658 χ^2/NDF: 6311.5/20

All: 35.458+/-0.474 χ^2/NDF: 13719.8/42

\- sign 25.314+/-0.684 χ^2/NDF: 6984.2/21

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

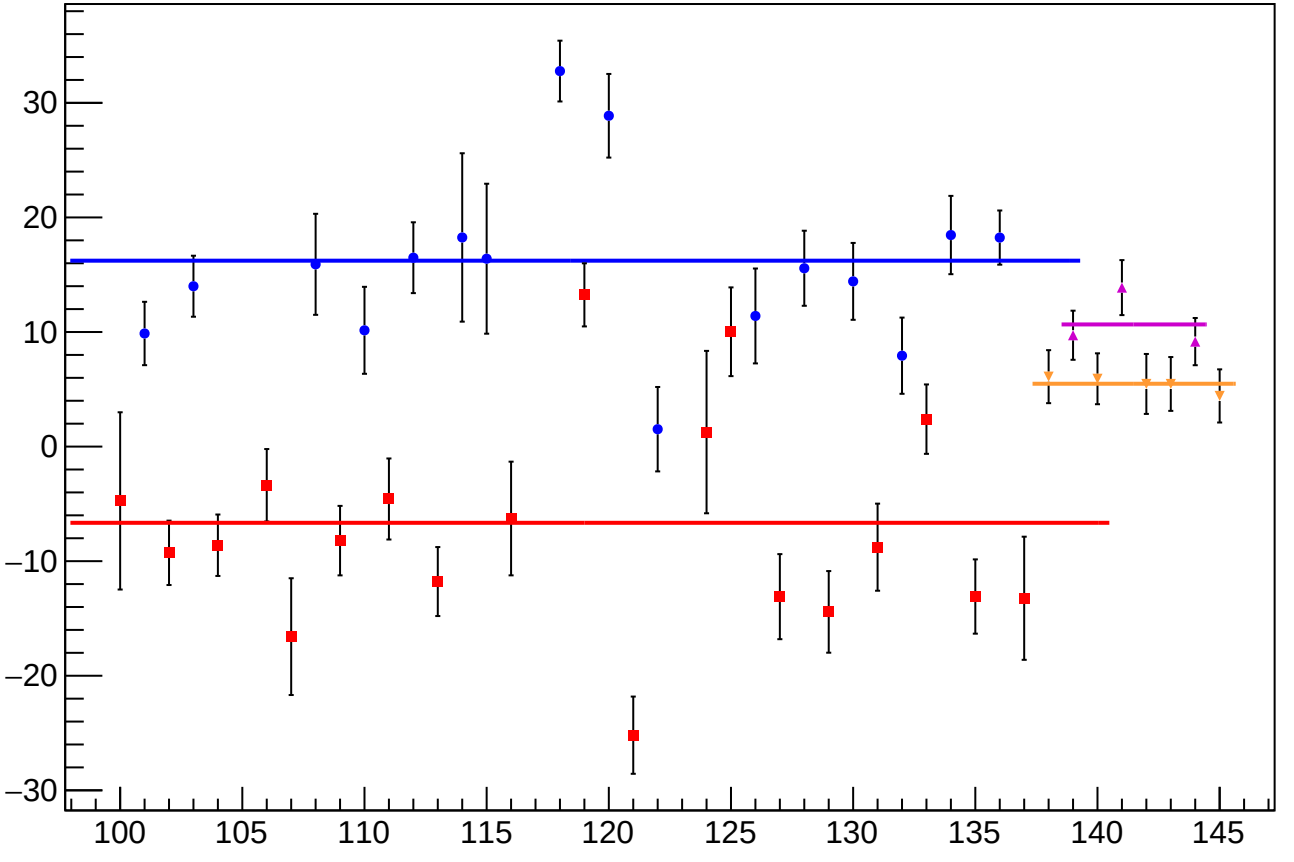
Left In: 1971.028+/-0.875 χ^2/NDF:48847.8/2

+ sign 2154.253+/-0.465 χ^2/NDF: 284109.5/20

All: 2152.213+/-0.335 χ^2/NDF: 544418.6/42

- sign 2150.008+/-0.483 χ^2/NDF: 260269.0/21

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

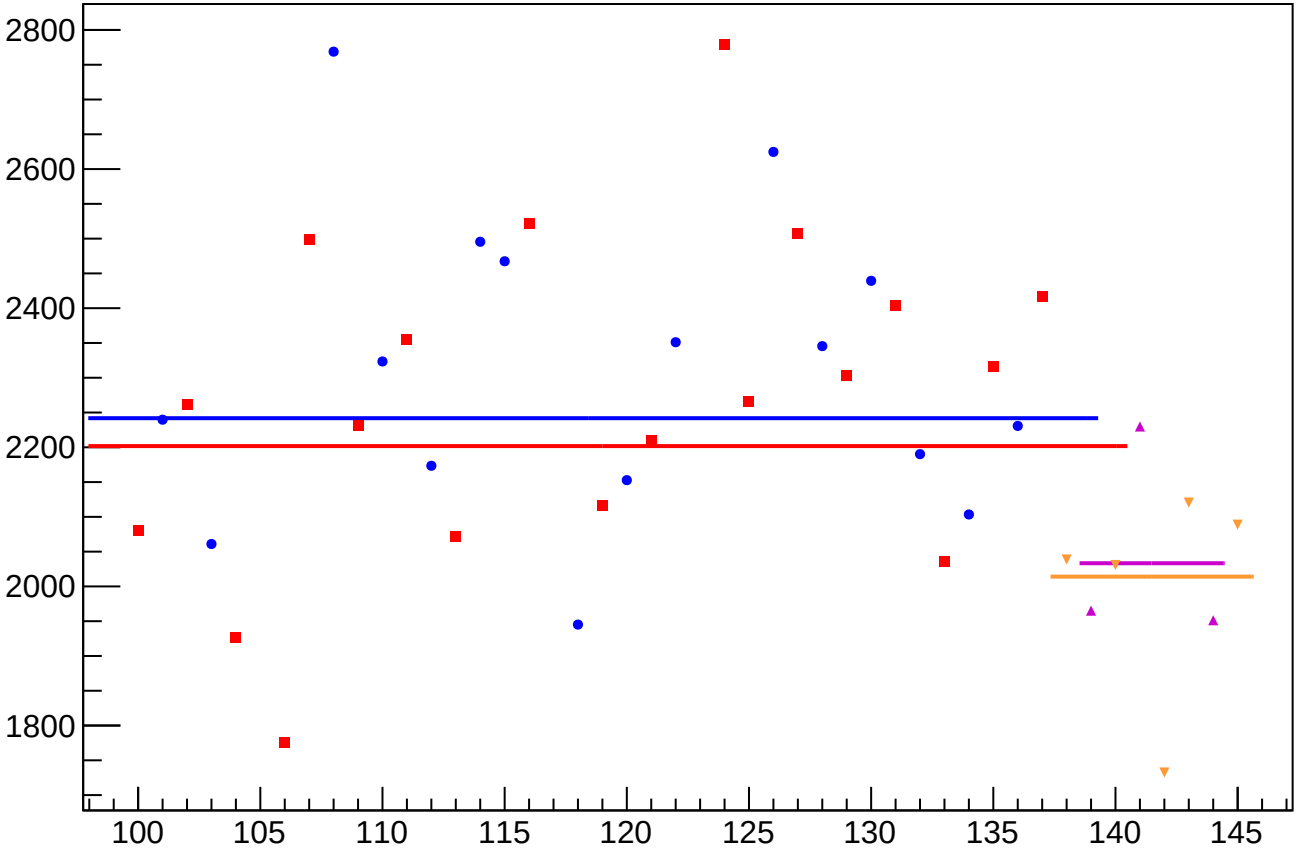
Left In: 10.662+/-1.263 χ^2/NDF:2.5/2

\+ sign 12.061+/-0.655 χ^2/NDF: 148.6/20

All: 5.490+/-0.472 χ^2/NDF: 628.1/42

\- sign -1.613+/-0.681 χ^2/NDF: 270.3/21

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

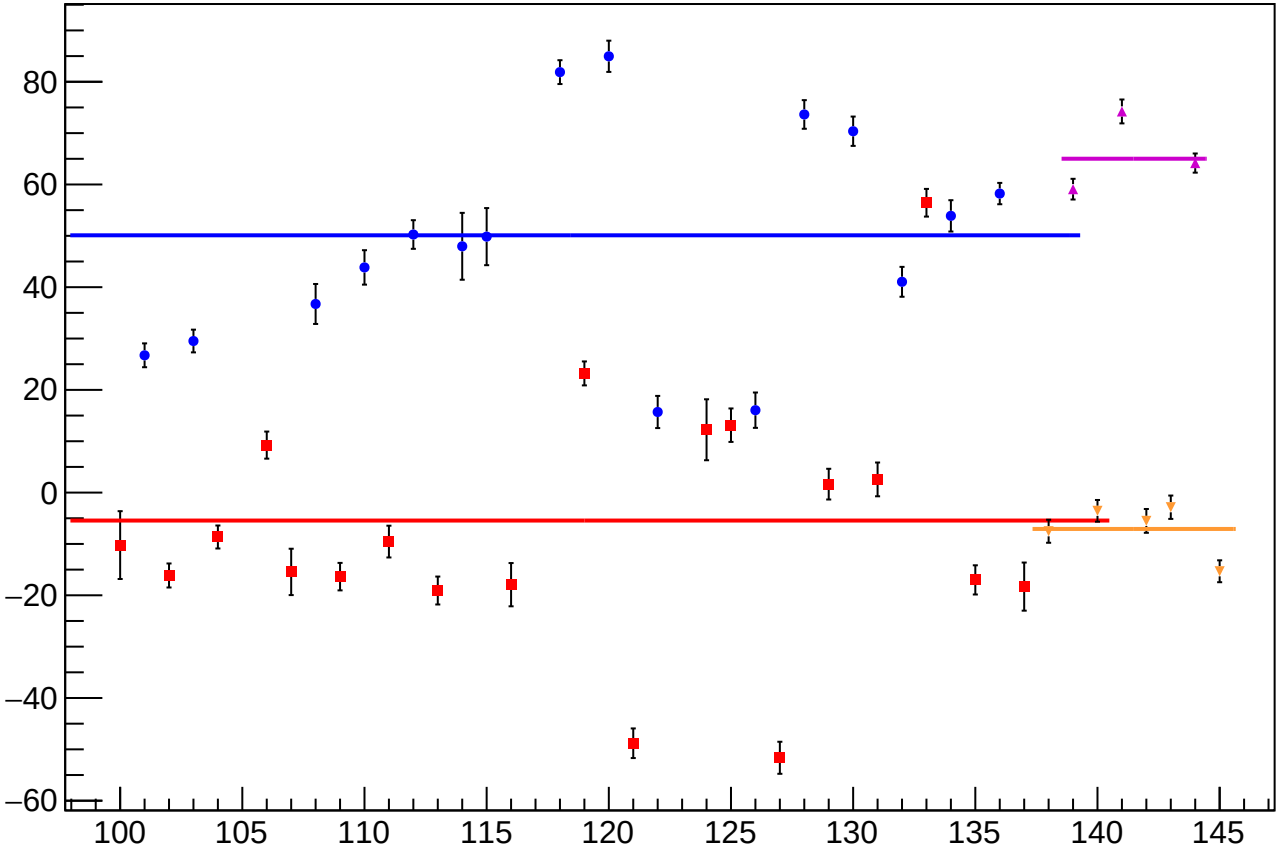
Left In: 2033.322+/-0.893 χ^2/NDF:18609.6/2

+ sign 2153.537+/-0.463 χ^2/NDF: 189286.6/20

All: 2153.143+/-0.334 χ^2/NDF: 362990.8/42

- sign 2152.717+/-0.482 χ^2/NDF: 173702.8/21

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

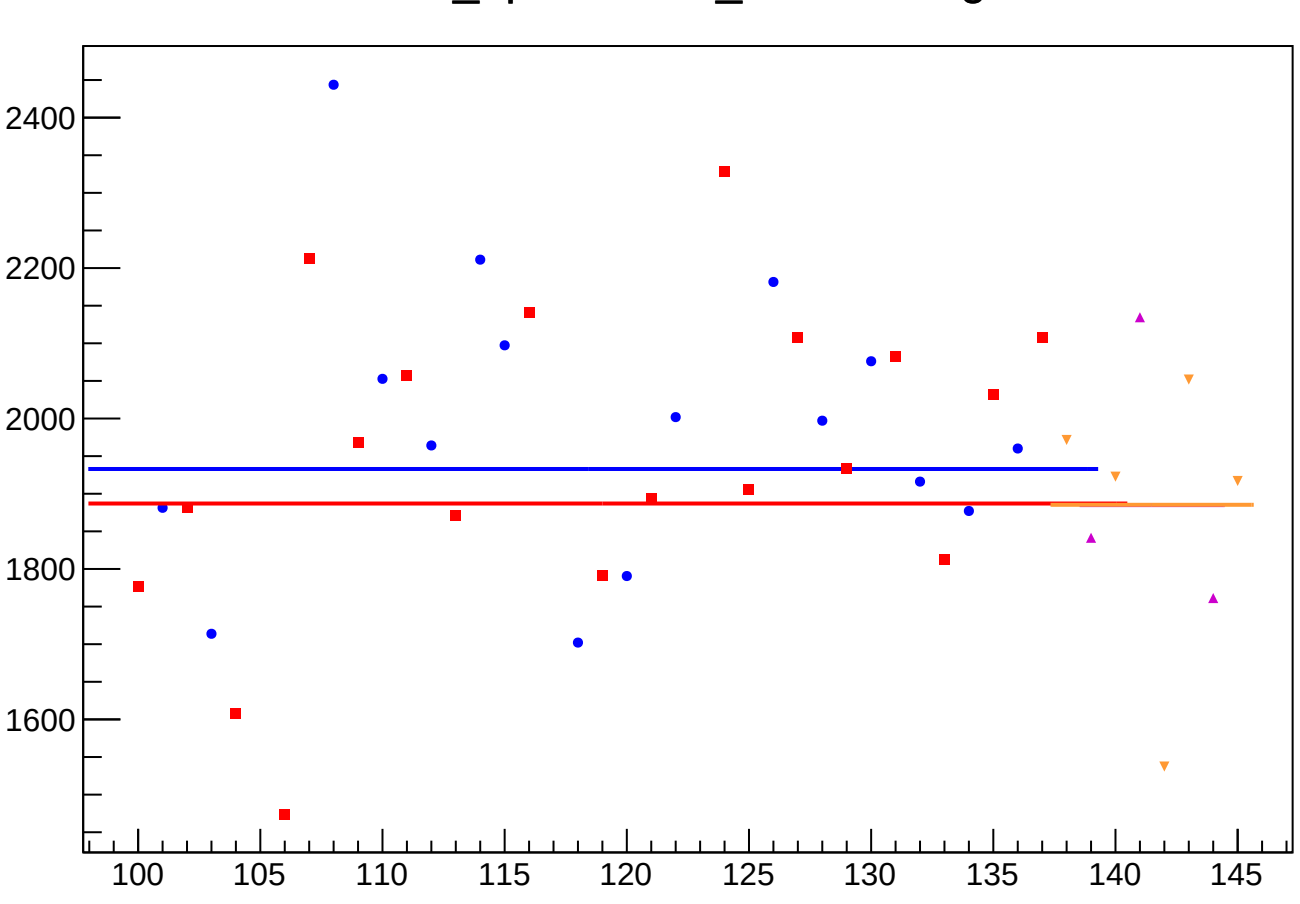
Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: 65.015+/-1.180 χ^2/NDF:24.5/2

+ sign 30.211+/-0.583 χ^2/NDF: 3091.5/20

All: 21.673+/-0.418 χ^2/NDF: 7517.7/42

- sign 12.686+/-0.598 χ^2/NDF: 3986.2/21



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

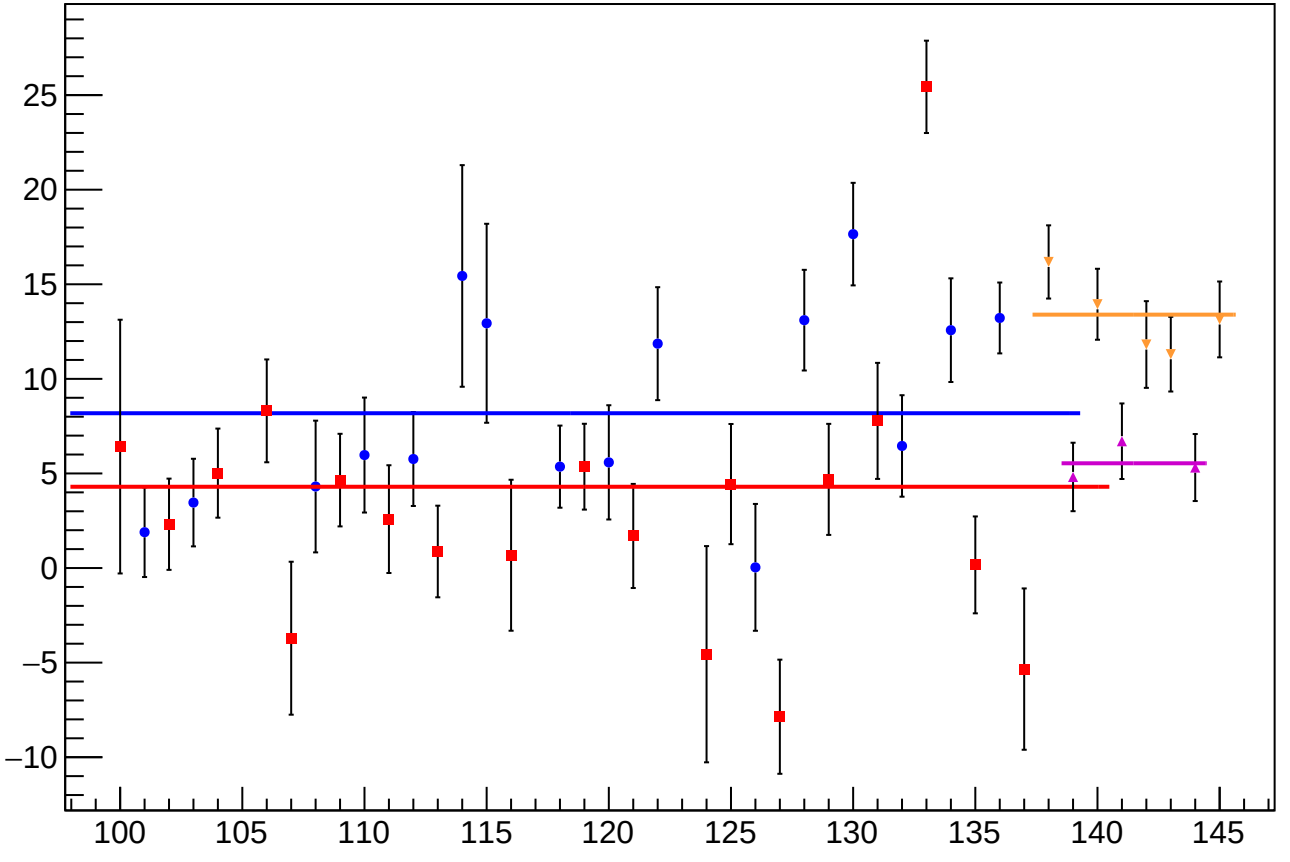
Left In: 1884.890+/-0.834 χ^2/NDF:32780.8/2

+ sign 1916.347+/-0.412 χ^2/NDF: 168781.3/20

All: 1901.788+/-0.295 χ^2/NDF: 353872.6/42

- sign 1886.461+/-0.423 χ^2/NDF: 182532.2/21

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

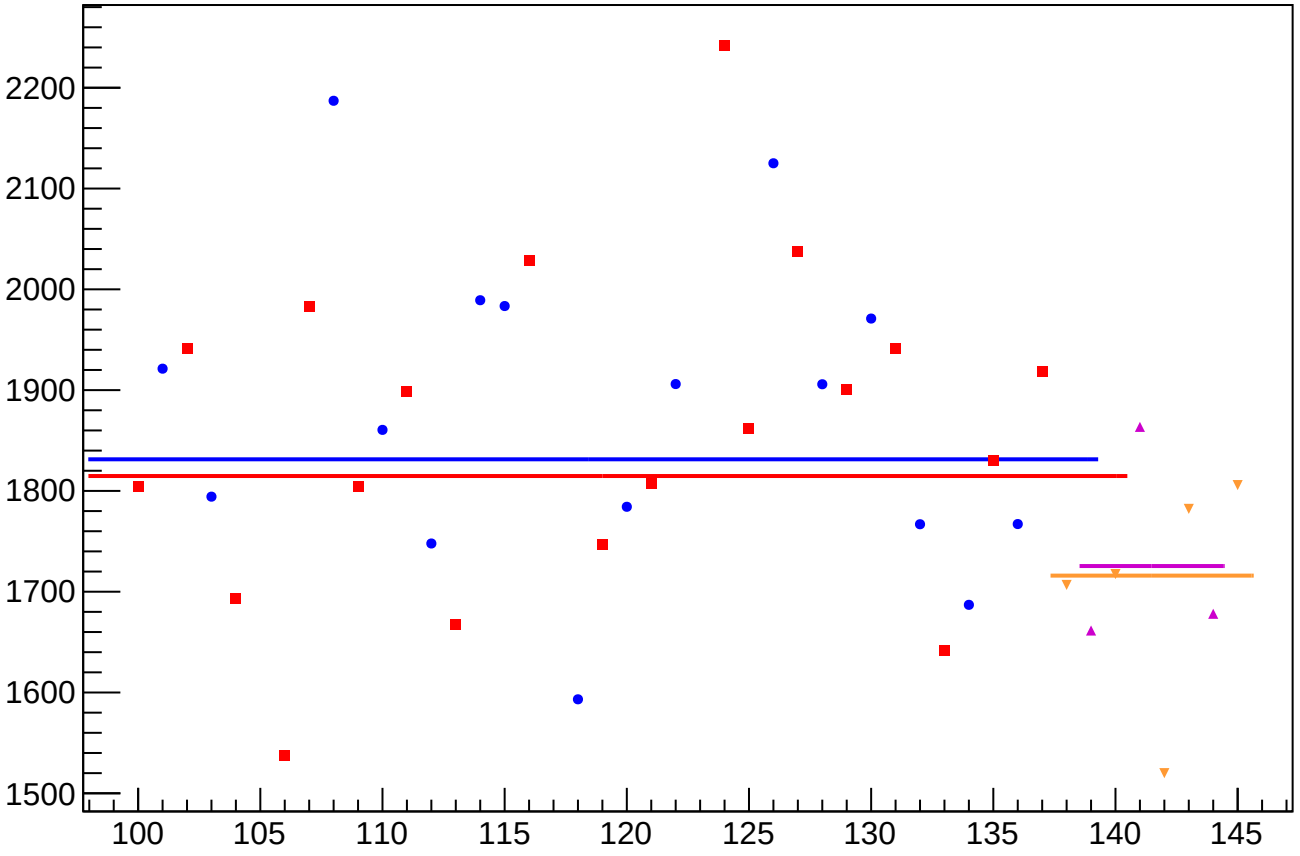
Left In: 5.537+/-1.069 χ^2/NDF:0.5/2

+ sign 10.102+/-0.543 χ^2/NDF: 77.1/20

All: 7.479+/-0.392 χ^2/NDF: 241.1/42

- sign 4.643+/-0.565 χ^2/NDF: 115.4/21

diff_bpm0i01aY_rms vs Slug



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

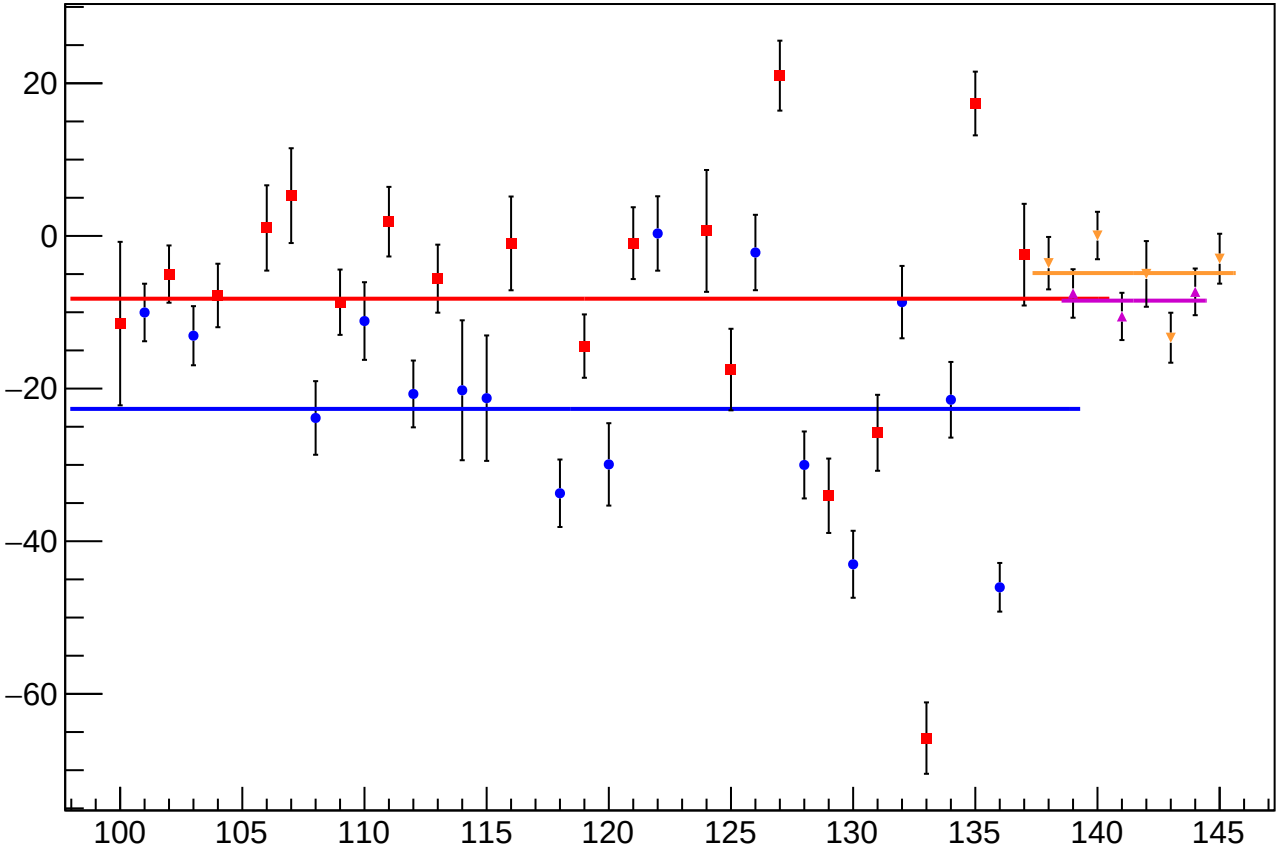
Left In: 1725.470+/-0.756 χ^2/NDF:13491.7/2

+ sign 1788.872+/-0.384 χ^2/NDF: 128845.5/20

All: 1789.335+/-0.277 χ^2/NDF: 243137.2/42

- sign 1789.836+/-0.399 χ^2/NDF: 114288.6/21

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

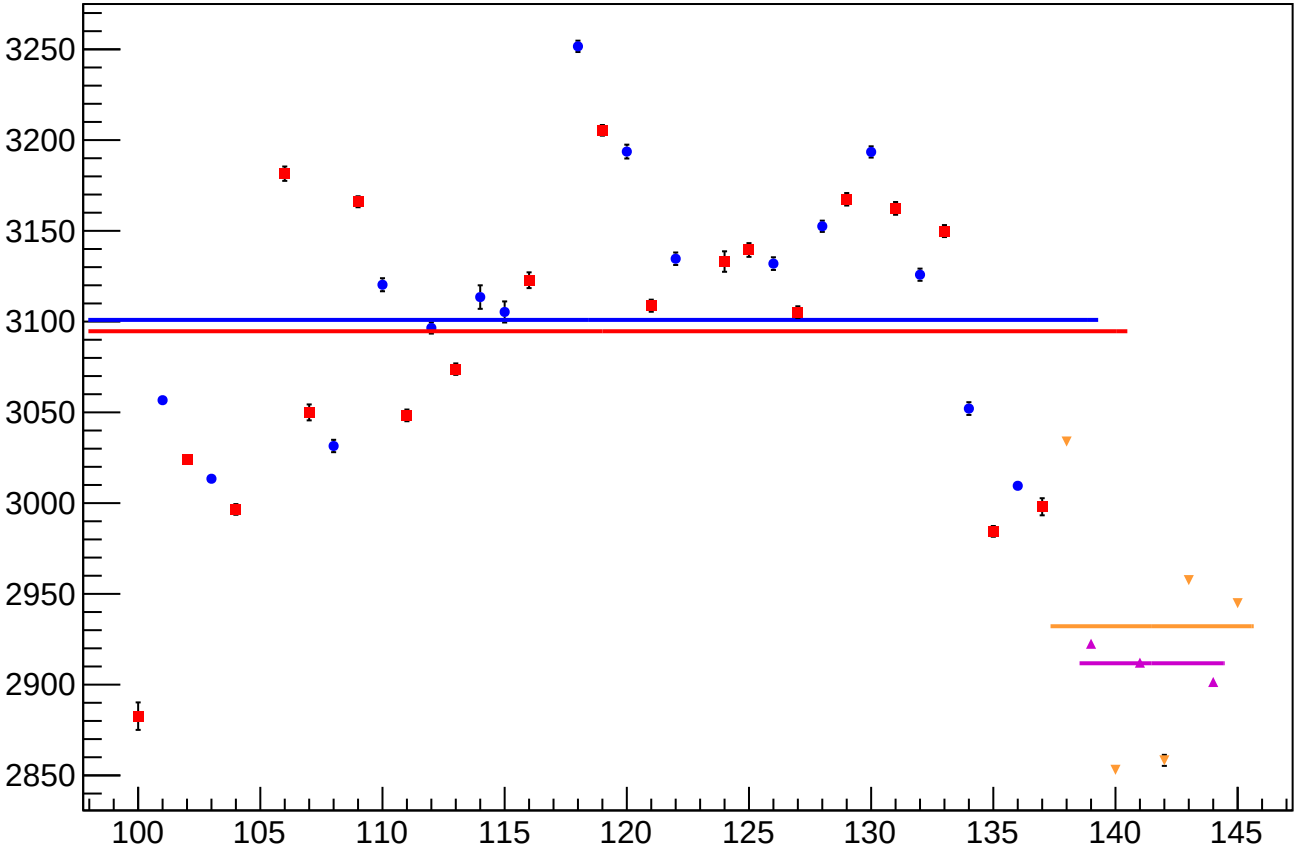
Left In: -8.478+/-1.795 χ^2/NDF:0.7/2

+ sign -16.205+/-0.919 χ^2/NDF: 253.5/20

All: -12.402+/-0.663 χ^2/NDF: 584.6/42

- sign -8.296+/-0.956 χ^2/NDF: 295.5/21

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

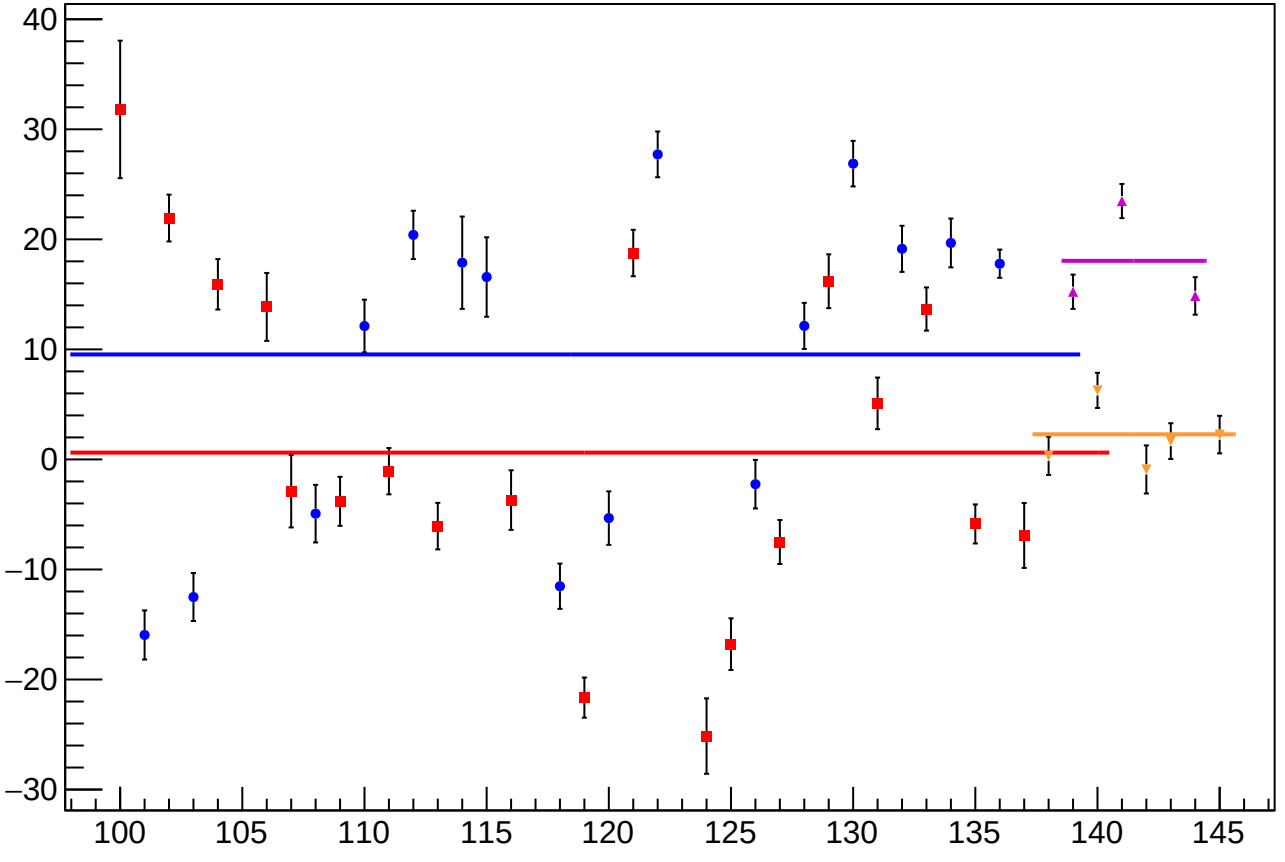
Left In: 2911.771+/-1.269 χ^2/NDF:45.7/2

+ sign 3039.698+/-0.650 χ^2/NDF: 27263.2/20

All: 3041.216+/-0.469 χ^2/NDF: 50786.2/42

- sign 3042.856+/-0.676 χ^2/NDF: 23511.6/21

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

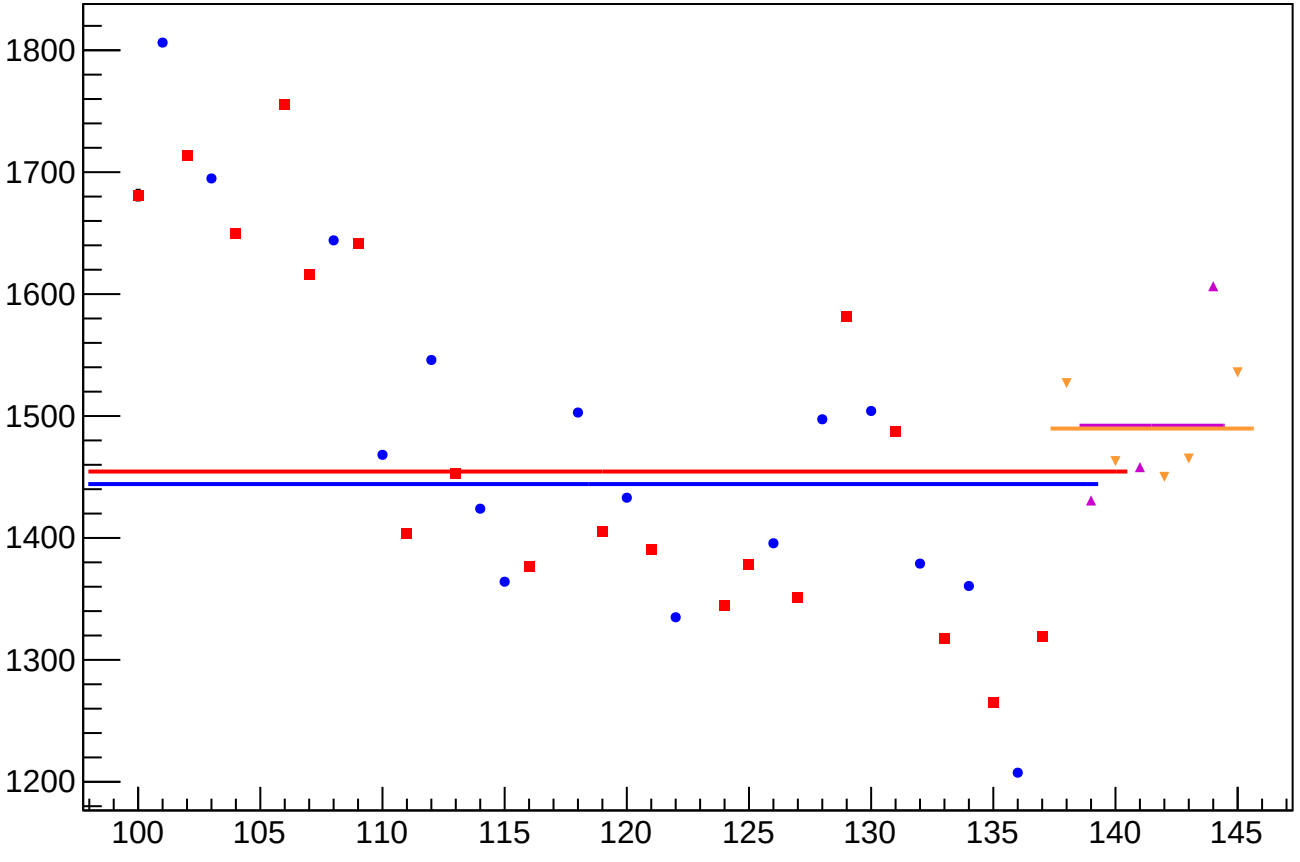
Left In: 18.047+/-0.923 χ^2/NDF:19.0/2

+ sign 7.171+/-0.444 χ^2/NDF: 767.2/20

All: 6.123+/-0.320 χ^2/NDF: 1730.5/42

- sign 4.988+/-0.462 χ^2/NDF: 951.7/21

diff_bpm0l01Y_rms vs Slug



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

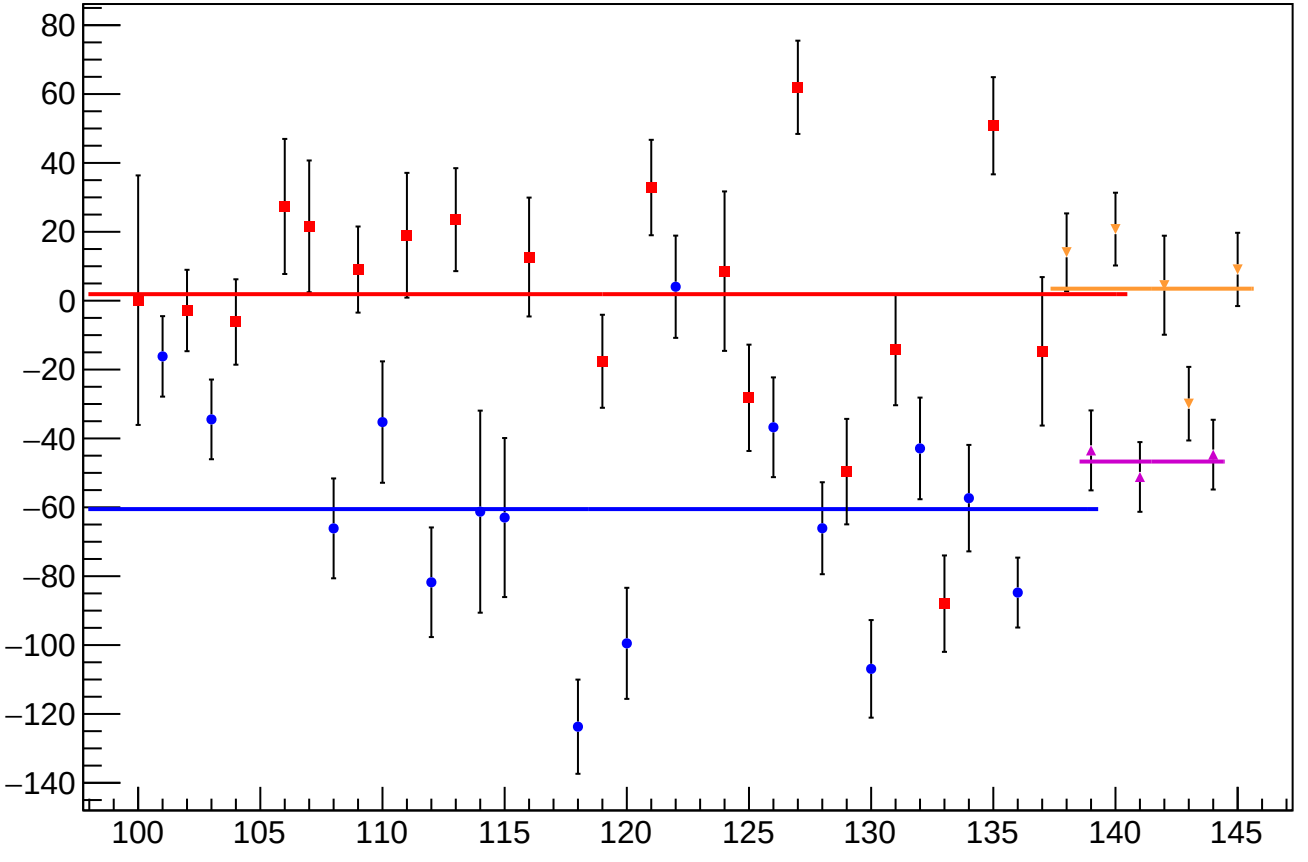
Left In: 1492.058+/-0.653 χ^2/NDF:13075.7/2

+ sign 1459.064+/-0.314 χ^2/NDF: 188826.8/20

All: 1461.382+/-0.227 χ^2/NDF: 347271.6/42

- sign 1463.892+/-0.327 χ^2/NDF: 158331.4/21

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

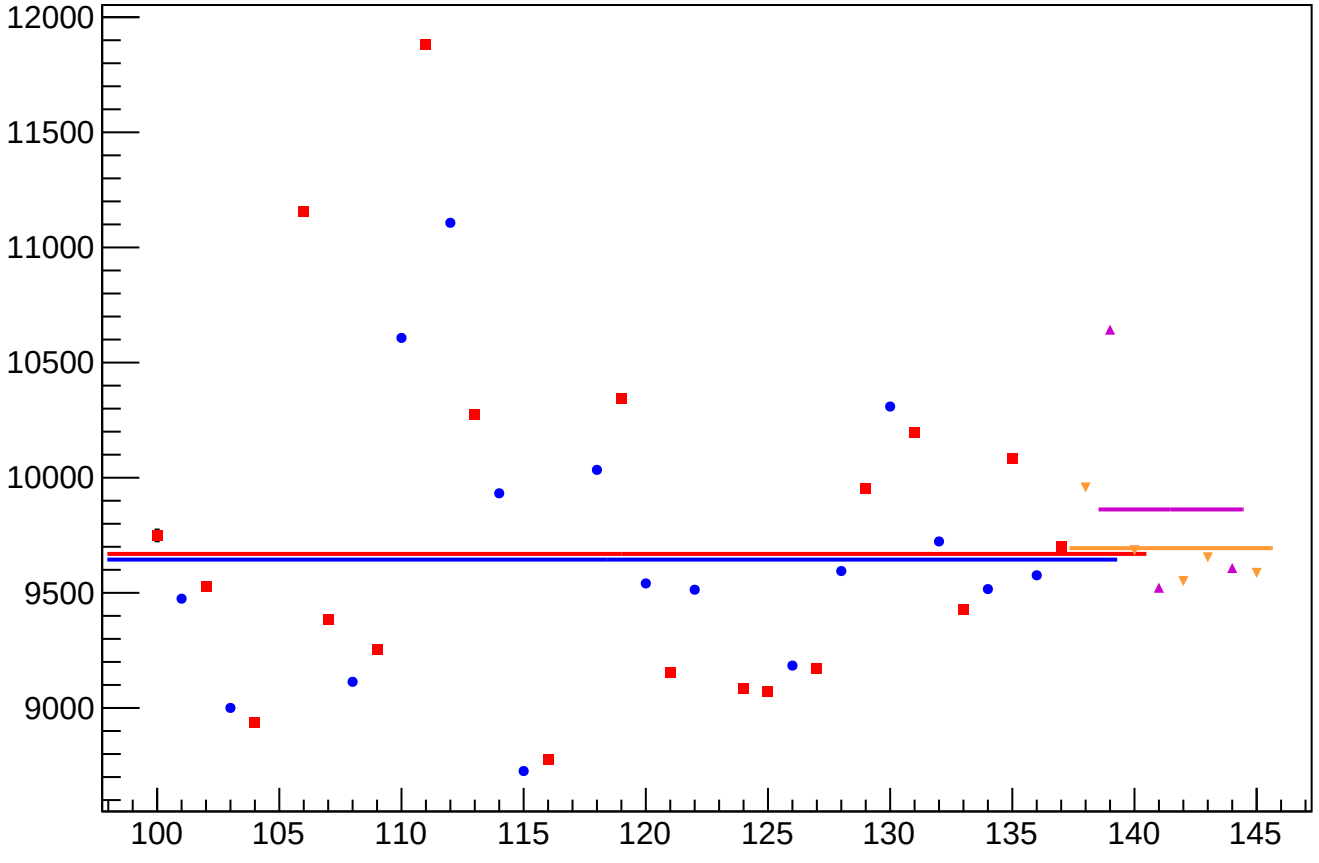
Left In: -46.714+/-6.093 χ^2/NDF:0.3/2

+ sign -38.965+/-2.929 χ^2/NDF: 210.6/20

All: -25.315+/-2.117 χ^2/NDF: 407.8/42

- sign -10.388+/-3.063 χ^2/NDF: 151.7/21

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

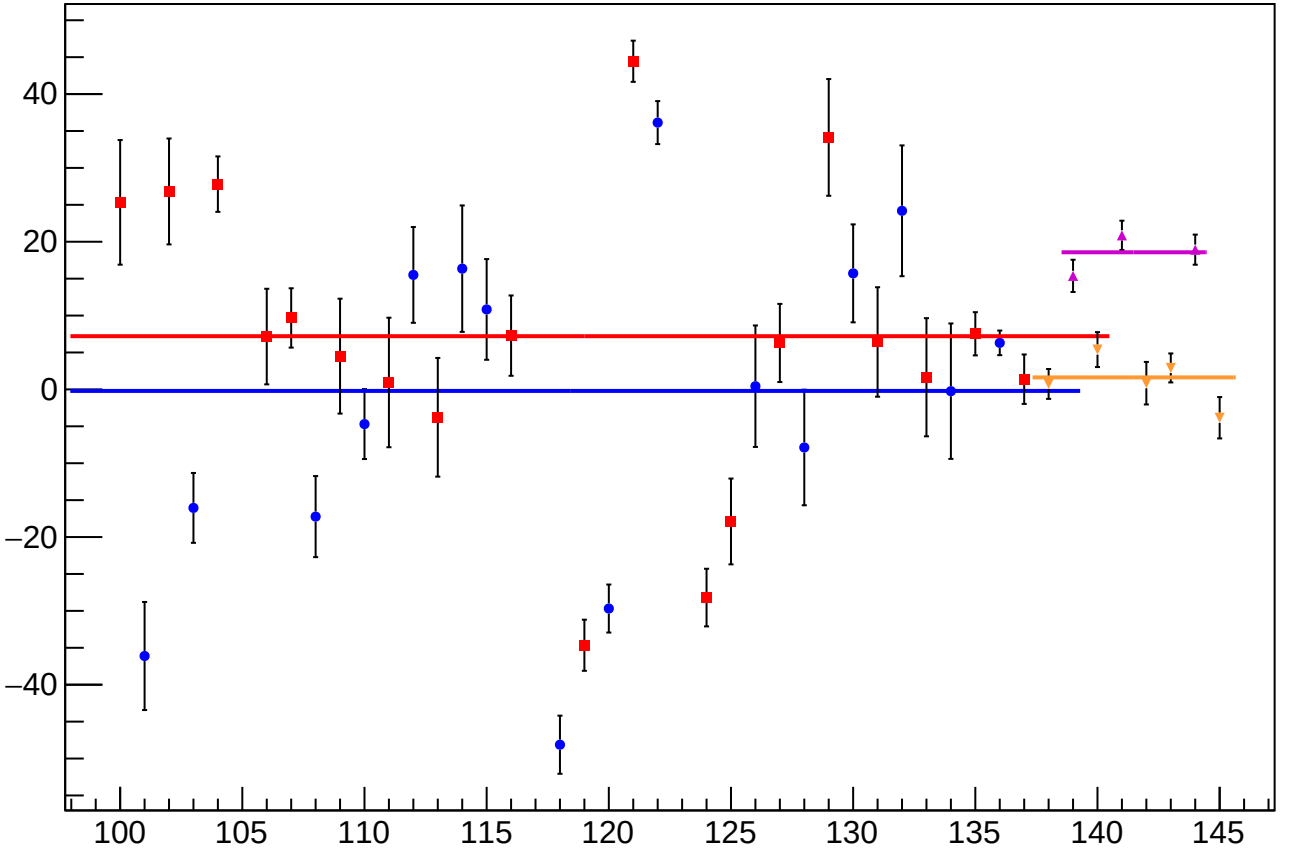
Left In: 9862.170+/-4.308 χ^2/NDF:12568.7/2

+ sign 9661.114+/-2.071 χ^2/NDF: 45754.5/20

All: 9688.245+/-1.497 χ^2/NDF: 140060.8/42

- sign 9717.912+/-2.166 χ^2/NDF: 93947.1/21

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

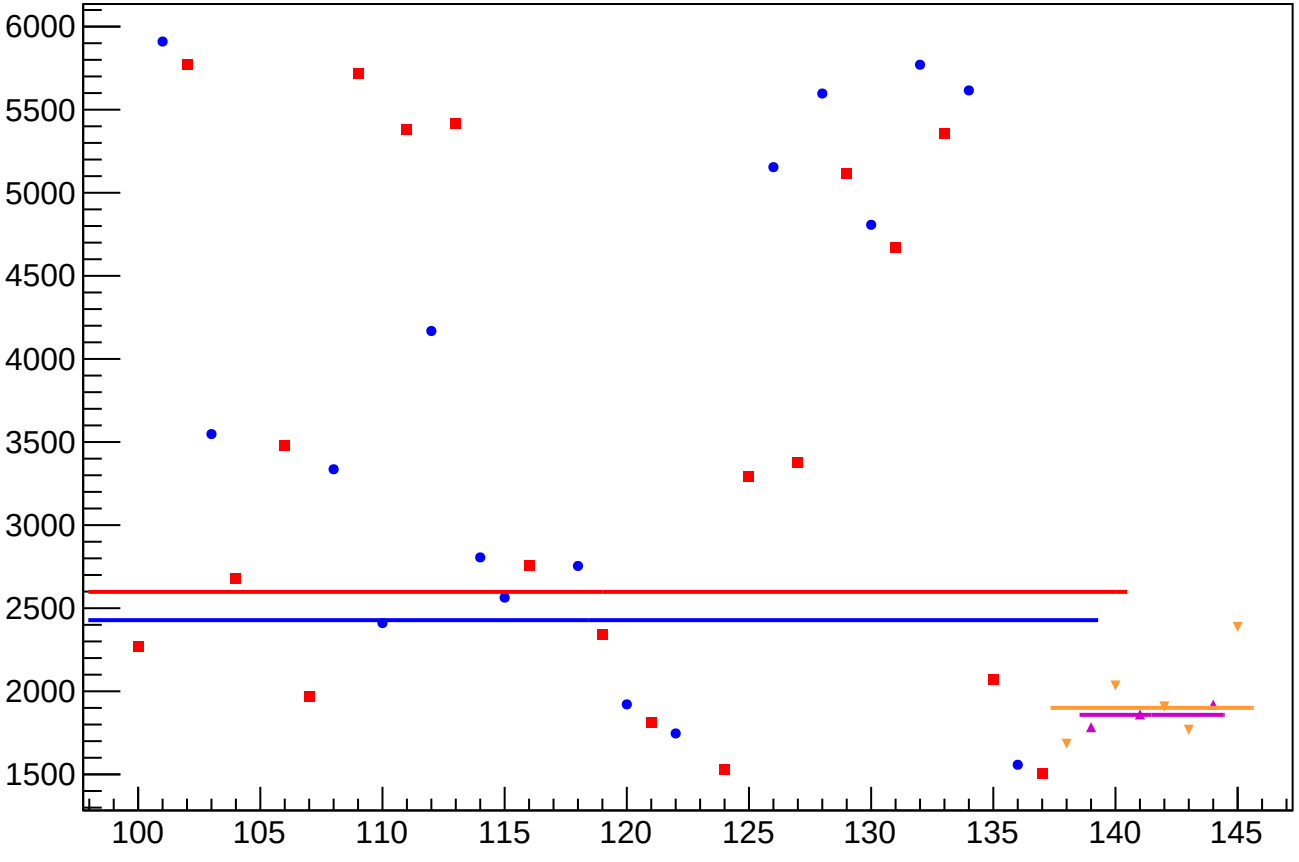
Left In: 18.571+/-1.191 χ^2/NDF:3.5/2

+ sign 0.716+/-0.736 χ^2/NDF: 482.3/20

All: 6.045+/-0.541 χ^2/NDF: 1135.5/42

- sign 12.299+/-0.798 χ^2/NDF: 539.4/21

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

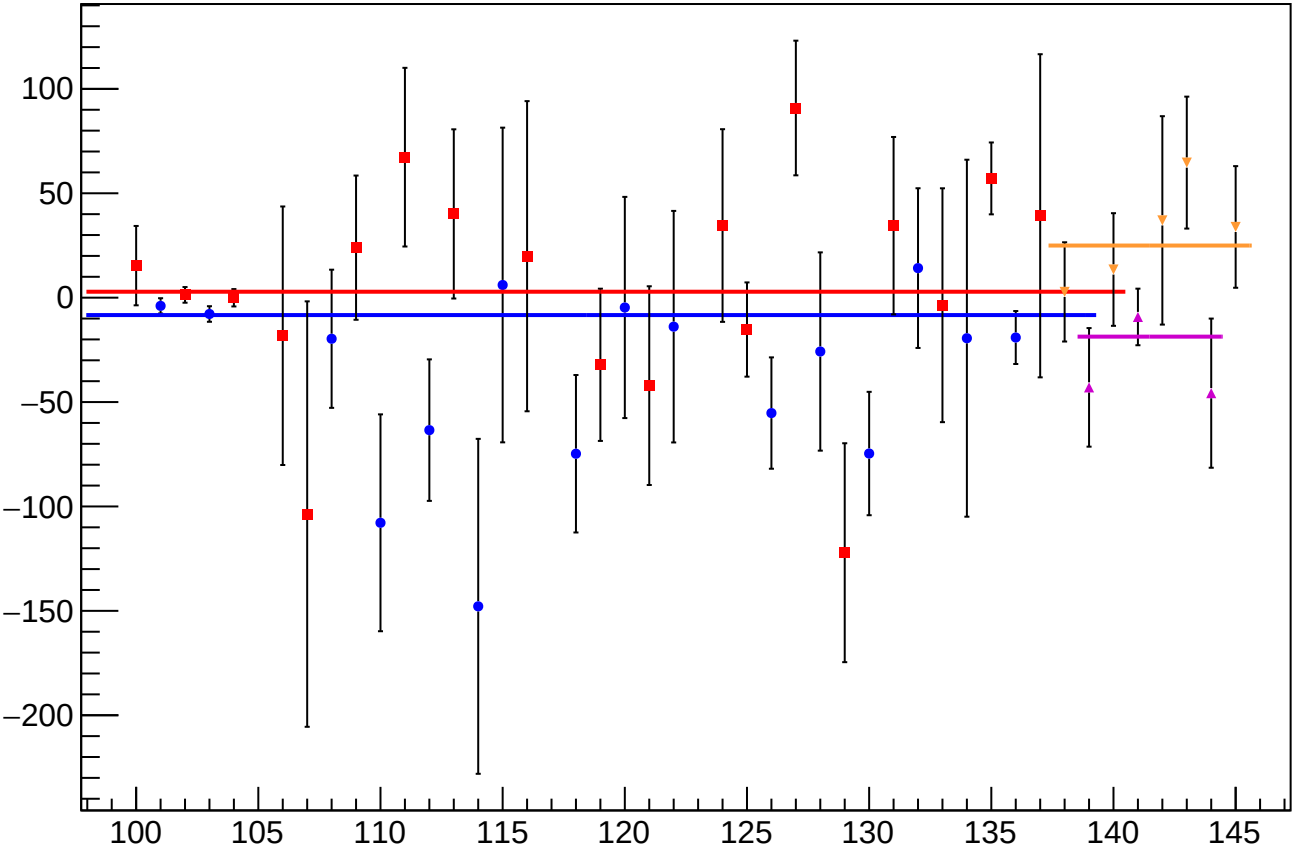
Left In: 1858.319+/-0.842 χ^2/NDF:4144.2/2

+ sign 2162.202+/-0.521 χ^2/NDF: 3170821.9/20

All: 2210.277+/-0.383 χ^2/NDF: 6134229.7/42

- sign 2266.701+/-0.564 χ^2/NDF: 2944869.4/21

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

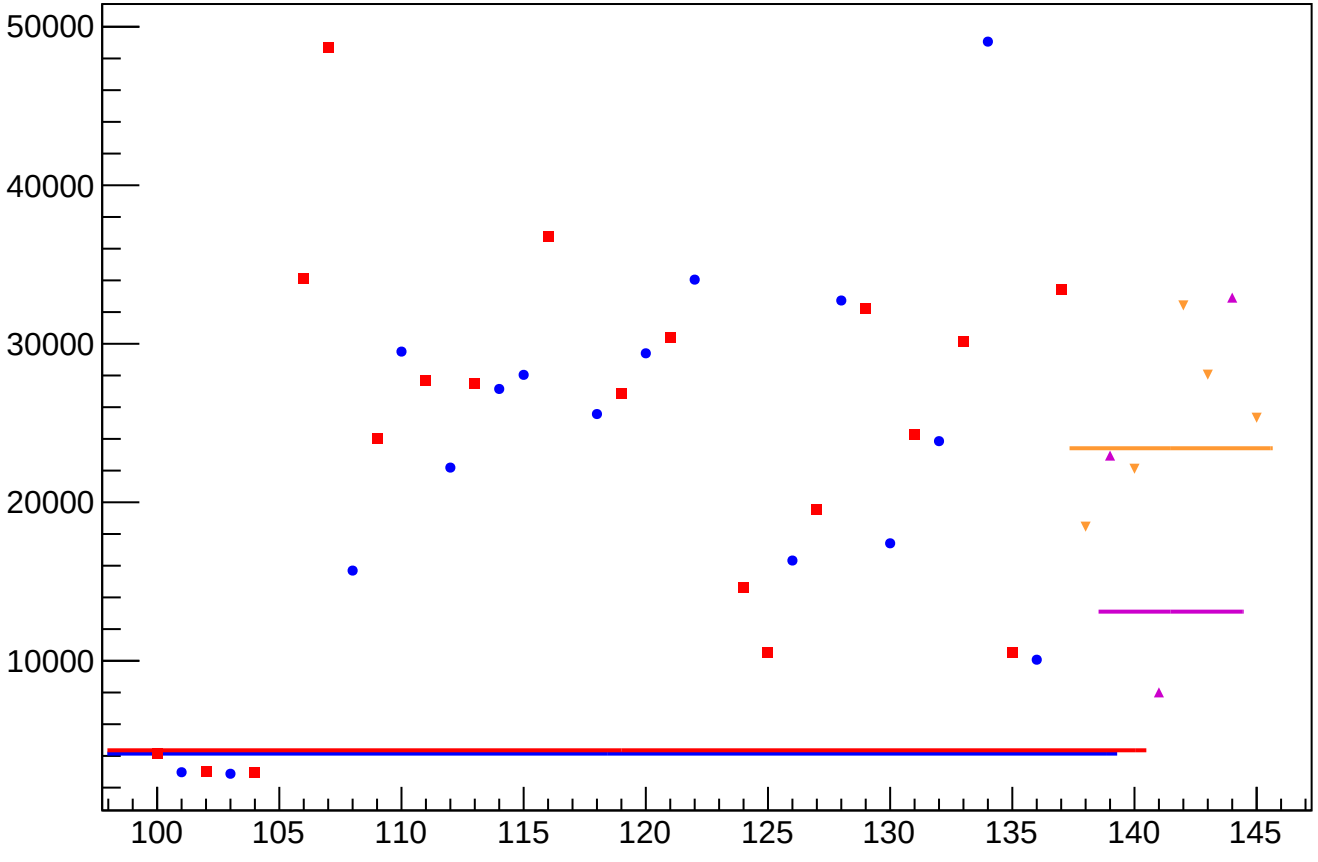
Left In: -18.662+/-11.570 χ^2/NDF:1.8/2

+ sign -7.182+/-2.456 χ^2/NDF: 32.3/20

All: -2.909+/-1.777 χ^2/NDF: 76.4/42

- sign 1.784+/-2.573 χ^2/NDF: 37.7/21

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

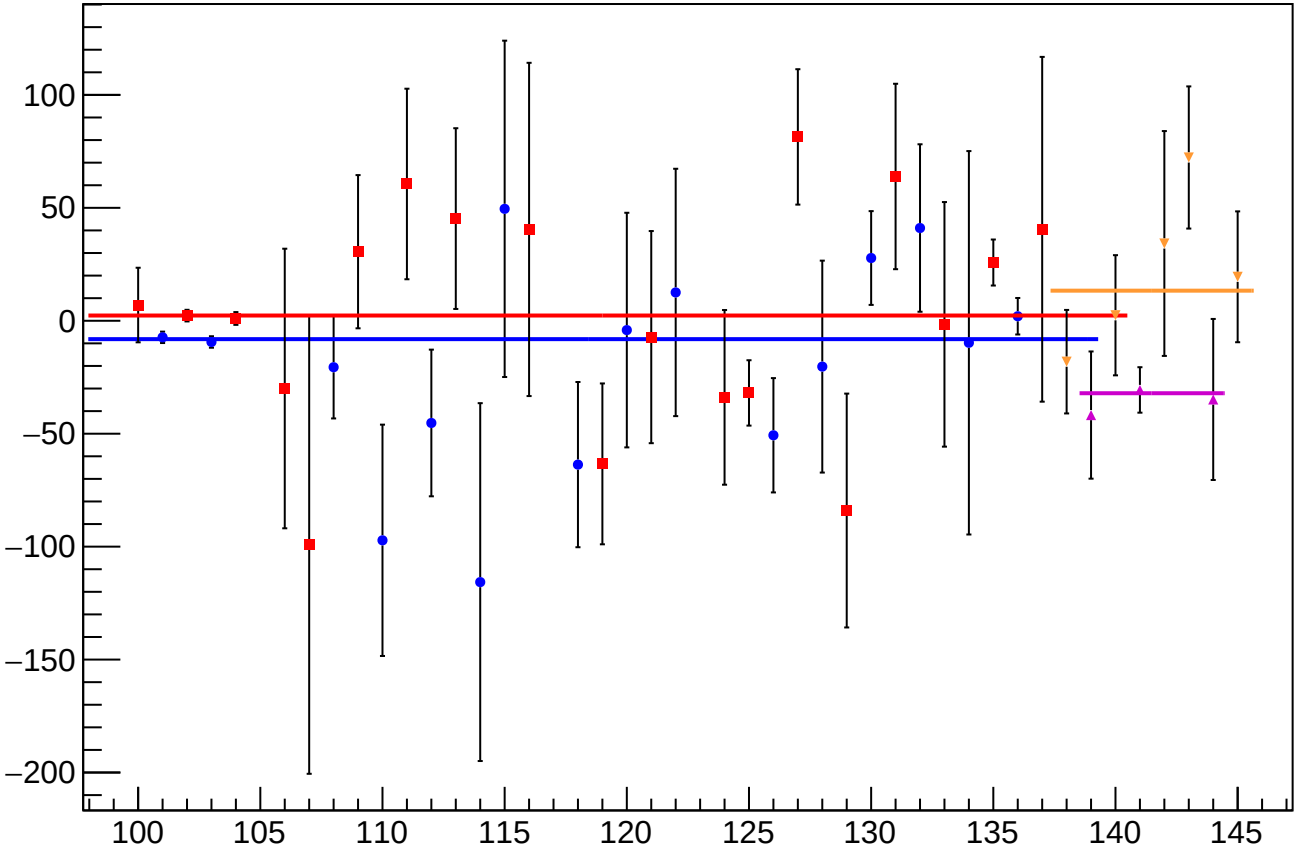
Left In: 13101.871+/-8.181 χ^2/NDF:1137863.0/2

+ sign 4811.082+/-1.737 χ^2/NDF: 11148513.8/20

All: 4799.689+/-1.256 χ^2/NDF: 20997840.9/4

- sign 4787.178+/-1.820 χ^2/NDF: 9849236.7/21

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

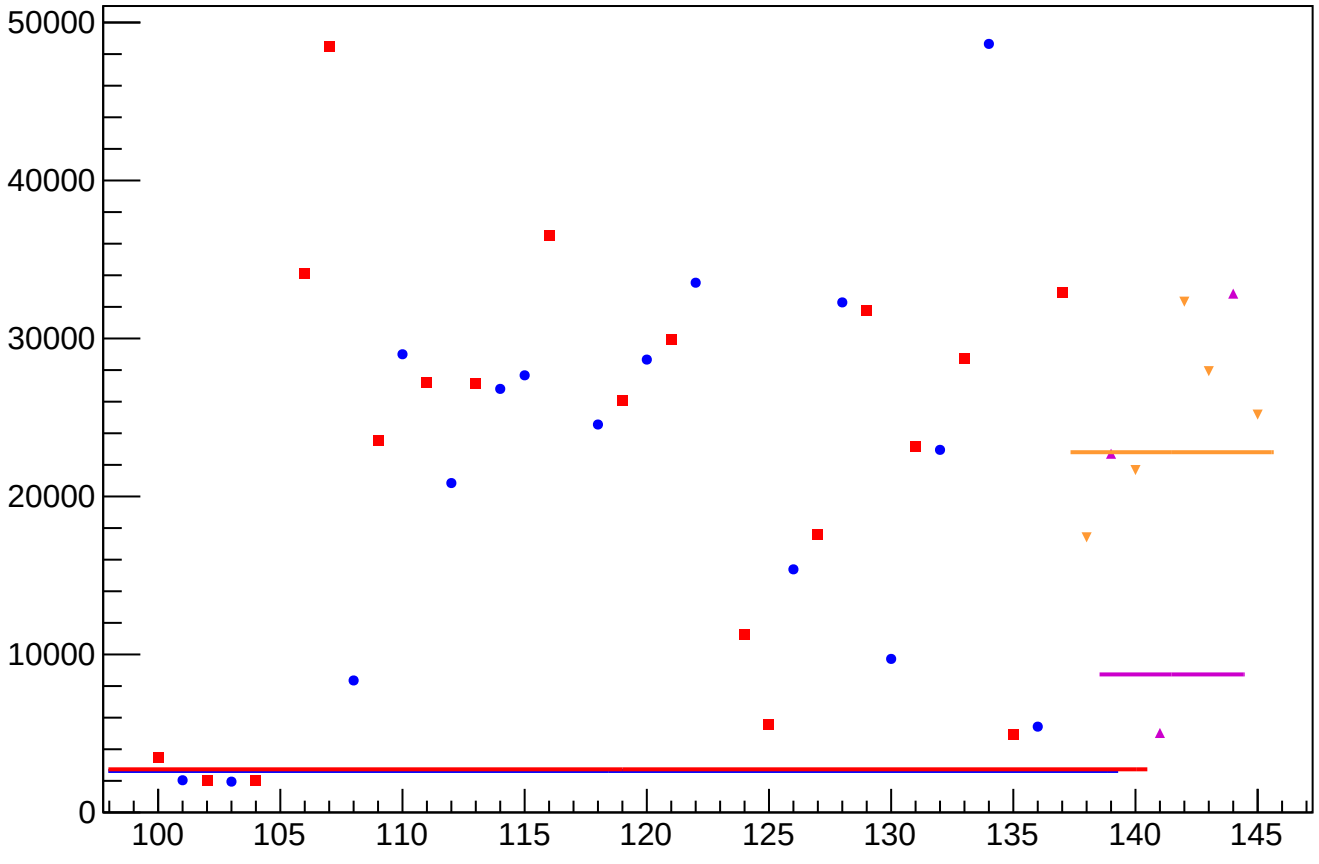
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -32.078+/-9.159 χ^2/NDF:0.1/2

+ sign -7.763+/-1.706 χ^2/NDF: 27.6/20

All: -3.577+/-1.234 χ^2/NDF: 87.0/42

- sign 1.015+/-1.787 χ^2/NDF: 46.8/21



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22801.362+/-9.188 χ^2/NDF:254100.7/4

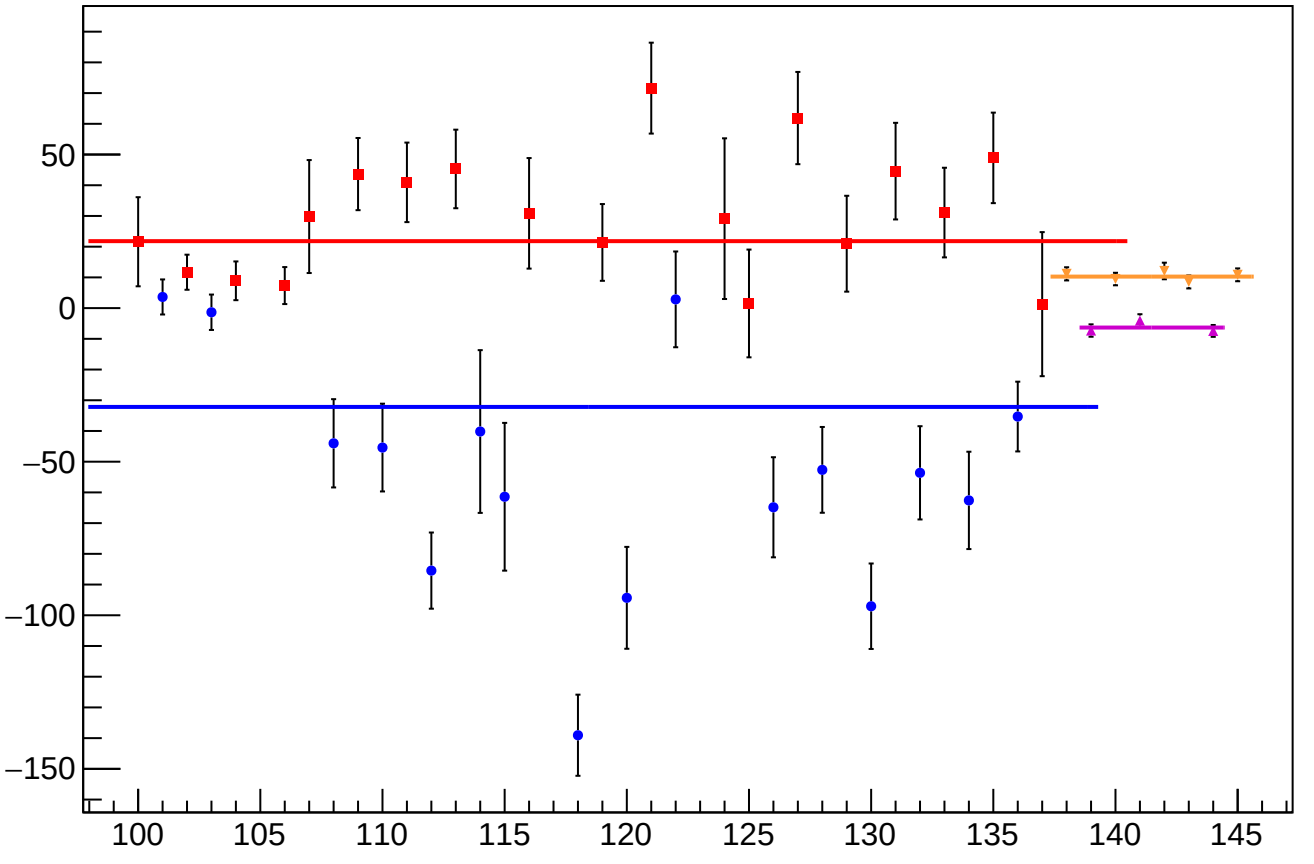
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 8736.950+/-6.476 χ^2/NDF:1677562.2/2

\+ sign 2973.986+/-1.206 χ^2/NDF: 11773182.1/20

All: 2966.757+/-0.872 χ^2/NDF: 22264338.4/4

\- sign 2958.823+/-1.263 χ^2/NDF: 10491080.9/21



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

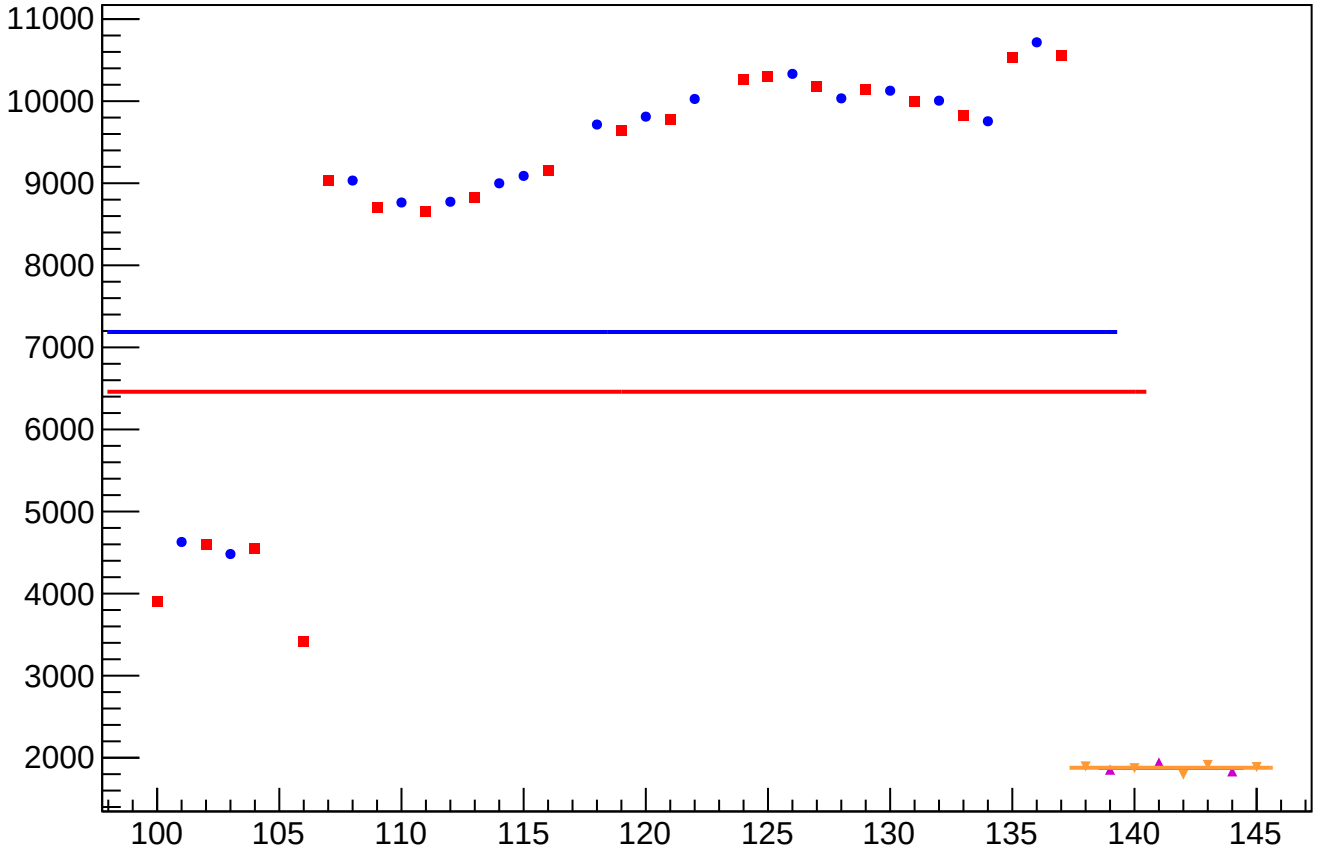
Left In: -6.330+/-1.157 χ^2/NDF:1.8/2

+ sign 5.765+/-0.925 χ^2/NDF: 408.6/20

All: 2.583+/-0.695 χ^2/NDF: 587.1/42

- sign -1.551+/-1.054 χ^2/NDF: 151.3/21

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

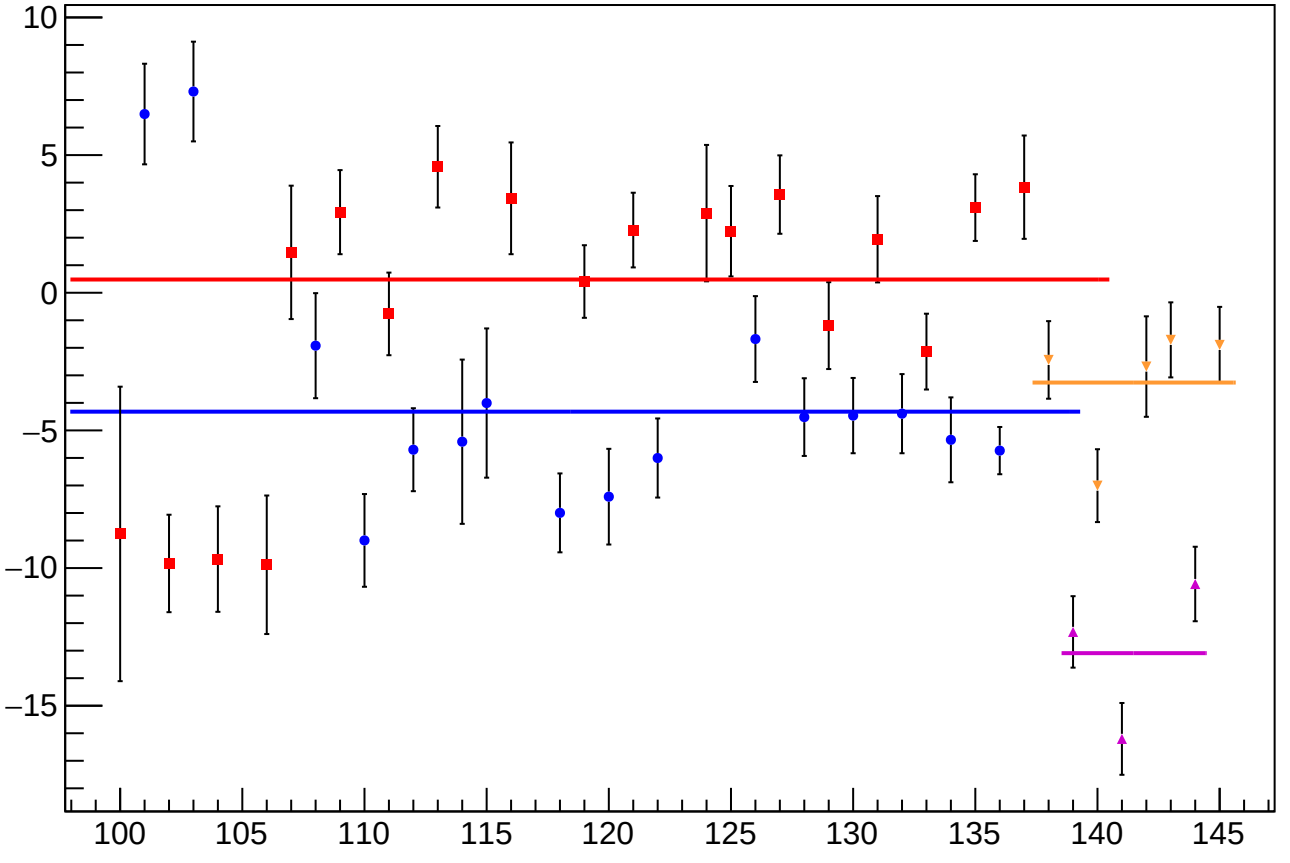
Left In: 1874.917+/-0.818 χ^2/NDF:3340.9/2

+ sign 2440.621+/-0.654 χ^2/NDF: 7949937.5/20

All: 2533.335+/-0.492 χ^2/NDF: 15611125.0/4

- sign 2653.760+/-0.745 χ^2/NDF: 7614984.3/21

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

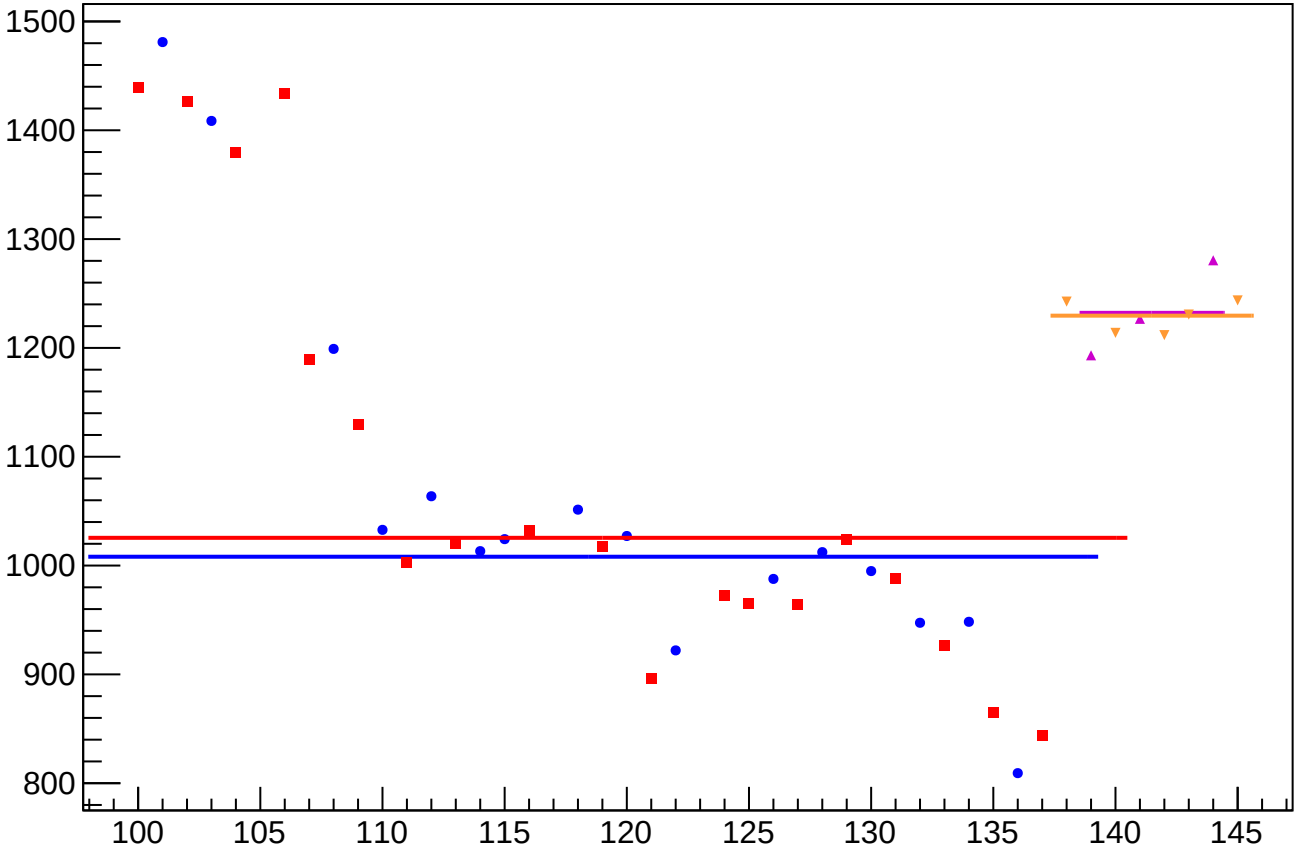
Left In: -13.091+/-0.761 χ^2/NDF:9.5/2

+ sign -4.044+/-0.327 χ^2/NDF: 116.4/20

All: -3.163+/-0.235 χ^2/NDF: 513.3/42

- sign -2.214+/-0.339 χ^2/NDF: 381.8/21

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

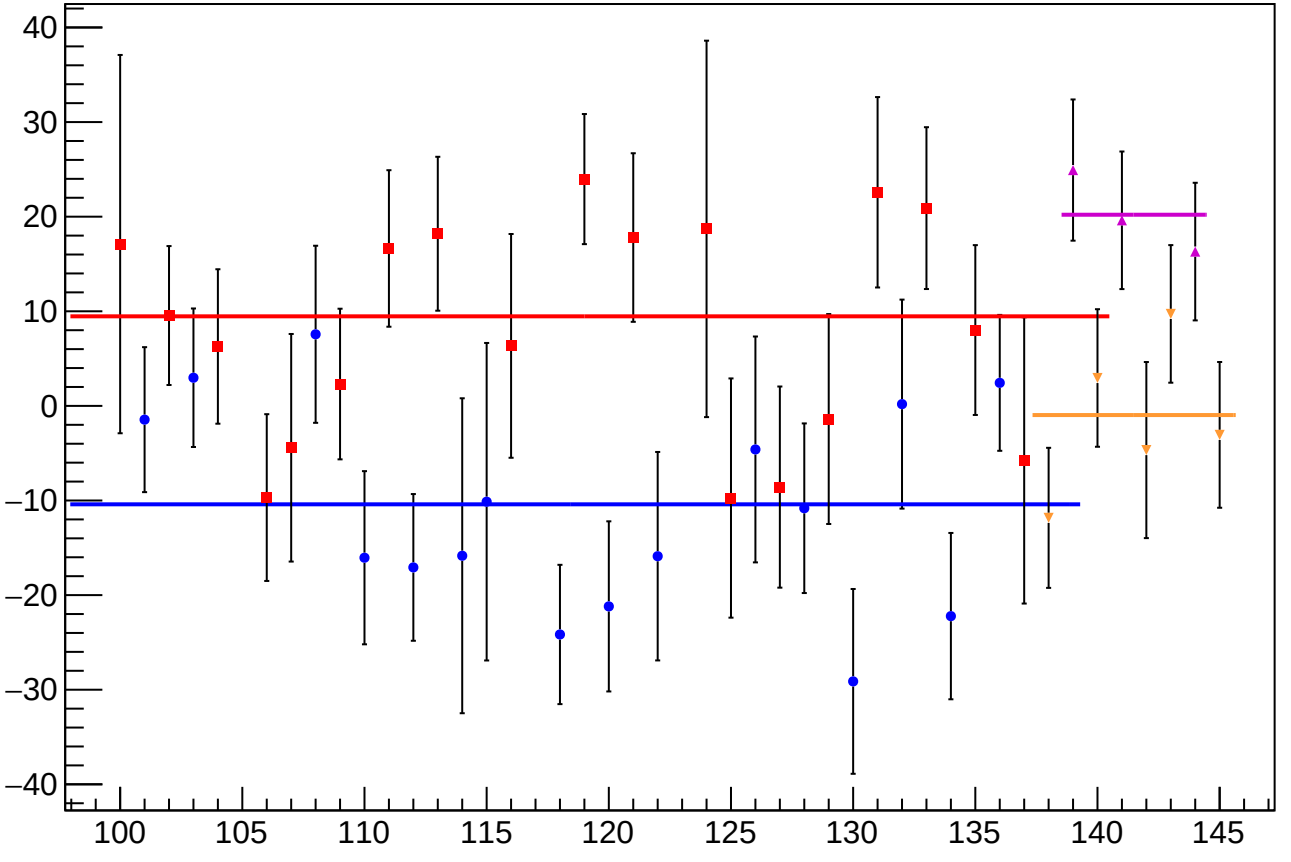
Left In: 1232.230+/-0.538 χ^2/NDF:4392.5/2

+ sign 1065.718+/-0.231 χ^2/NDF: 556662.8/20

All: 1066.112+/-0.166 χ^2/NDF: 1025433.0/42

- sign 1066.536+/-0.240 χ^2/NDF: 468764.1/21

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

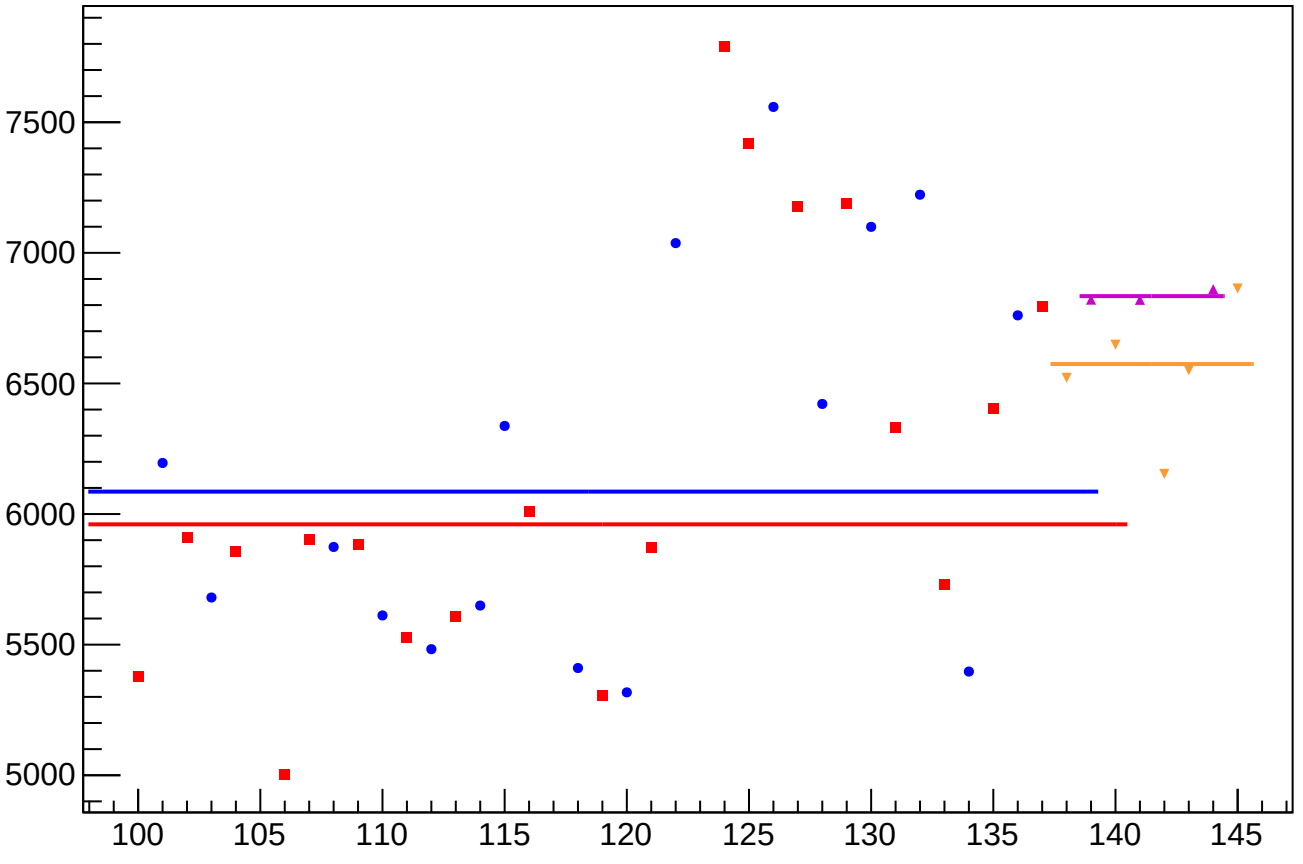
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 20.205+/-4.234 χ^2/NDF:0.7/2

+ sign -7.524+/-1.901 χ^2/NDF: 34.7/20

All: 1.878+/-1.360 χ^2/NDF: 116.0/42

- sign 11.735+/-1.946 χ^2/NDF: 31.1/21



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

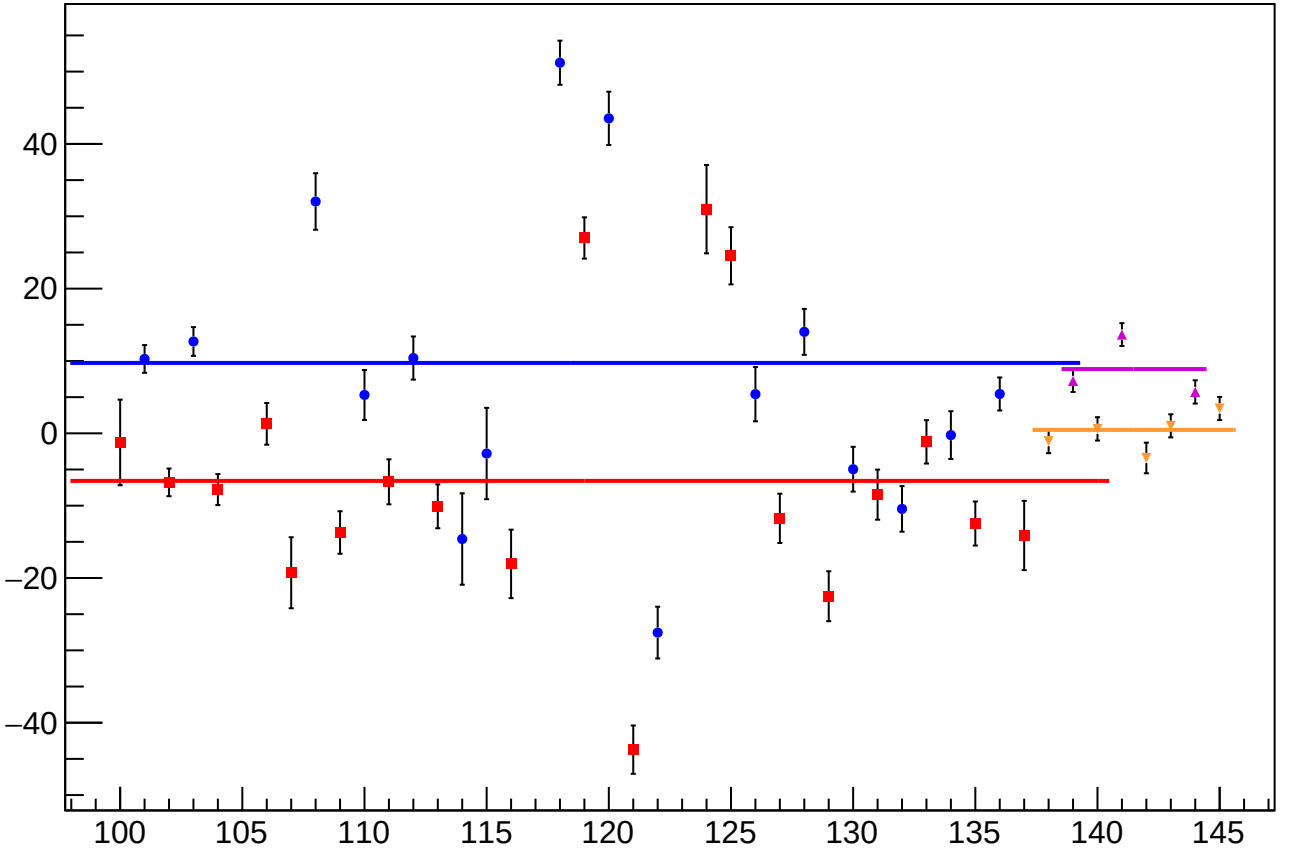
Left In: 6834.271+/-2.994 χ^2/NDF:41.1/2

+ sign 6234.918+/-1.344 χ^2/NDF: 214363.5/20

All: 6191.070+/-0.961 χ^2/NDF: 446517.3/42

- sign 6145.107+/-1.376 χ^2/NDF: 229973.4/21

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

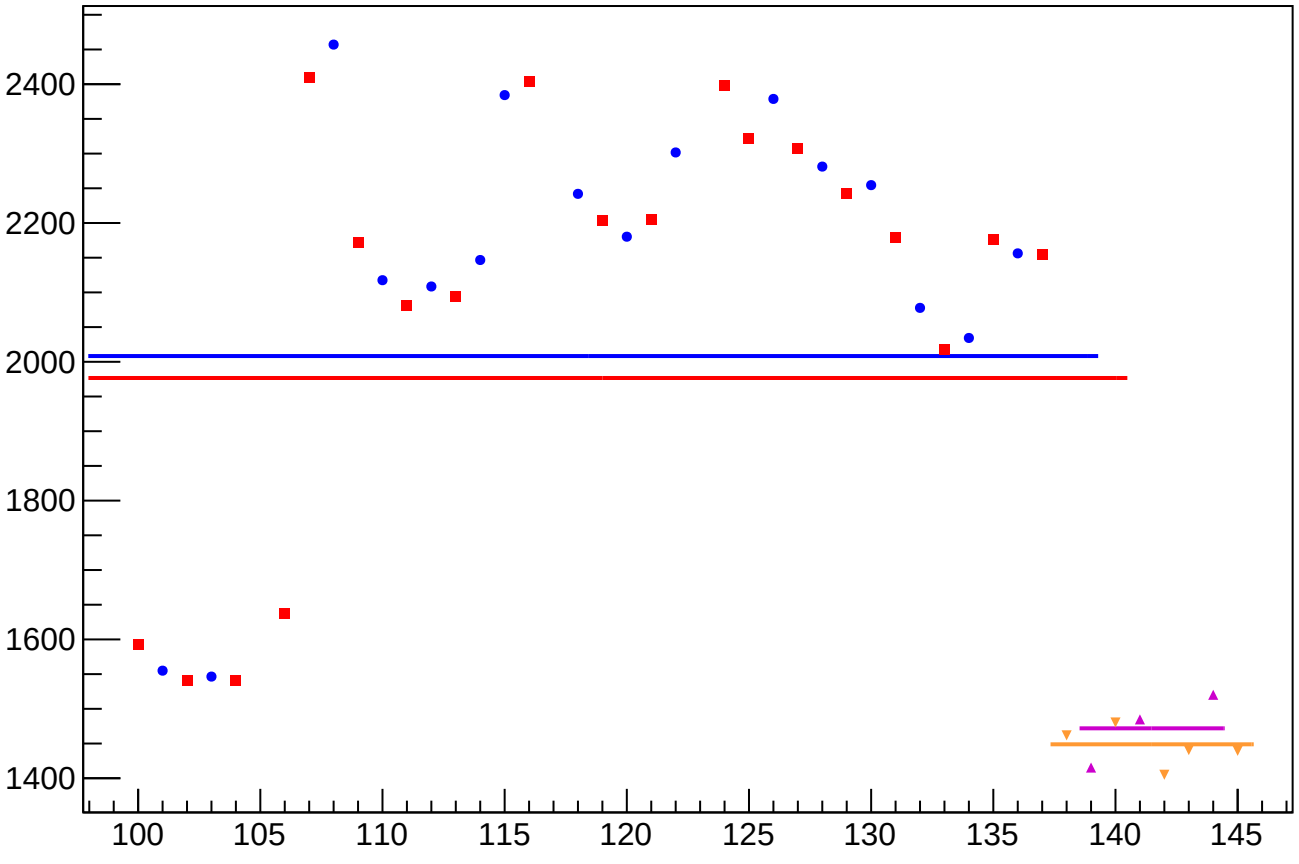
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 8.883+/-0.909 χ^2/NDF:14.1/2

+ sign 5.103+/-0.534 χ^2/NDF: 595.4/20

All: 2.476+/-0.389 χ^2/NDF: 1260.8/42

- sign -0.514+/-0.569 χ^2/NDF: 613.6/21



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

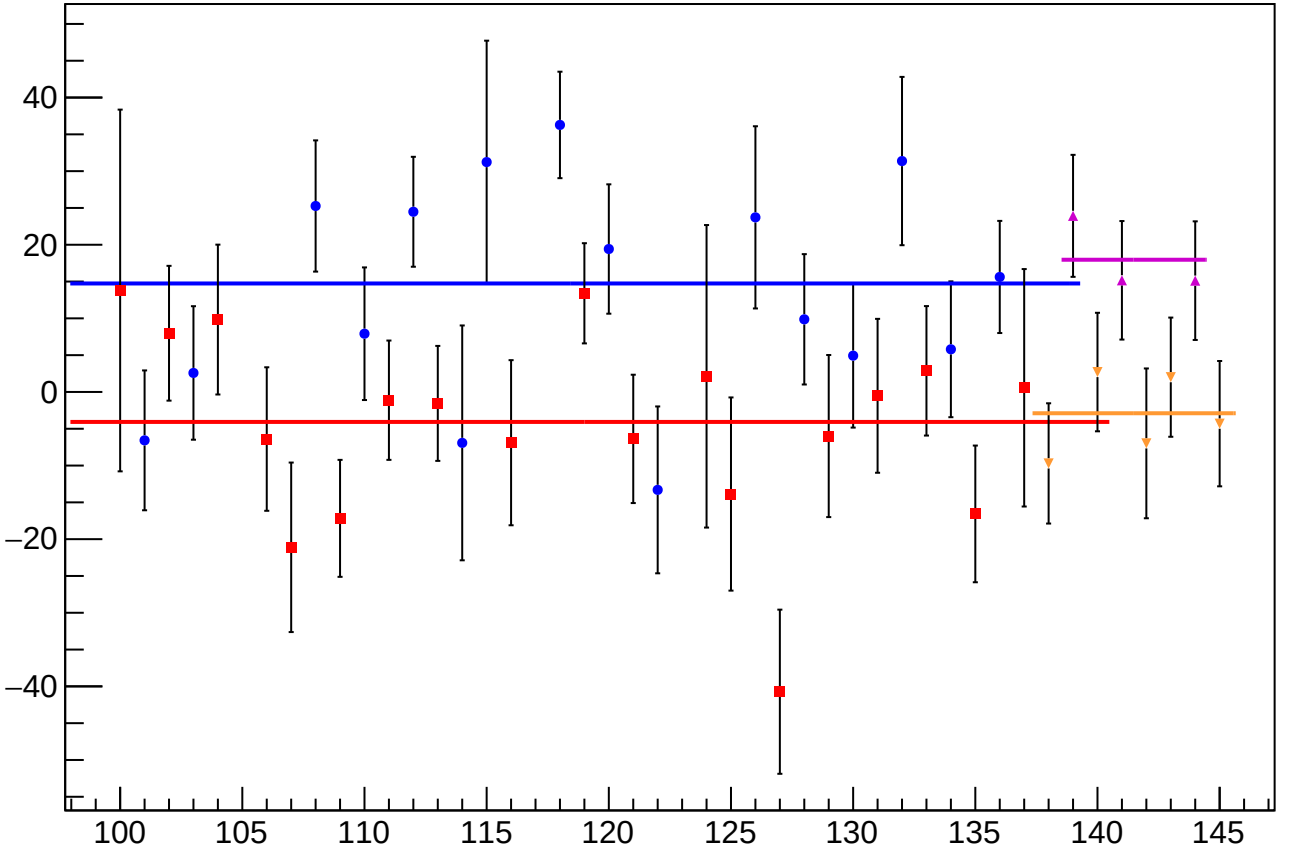
Left In: 1471.900+/-0.643 χ^2/NDF:4635.1/2

+ sign 1728.593+/-0.377 χ^2/NDF: 895362.9/20

All: 1752.050+/-0.275 χ^2/NDF: 1648274.2/42

- sign 1778.739+/-0.403 χ^2/NDF: 744655.5/21

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

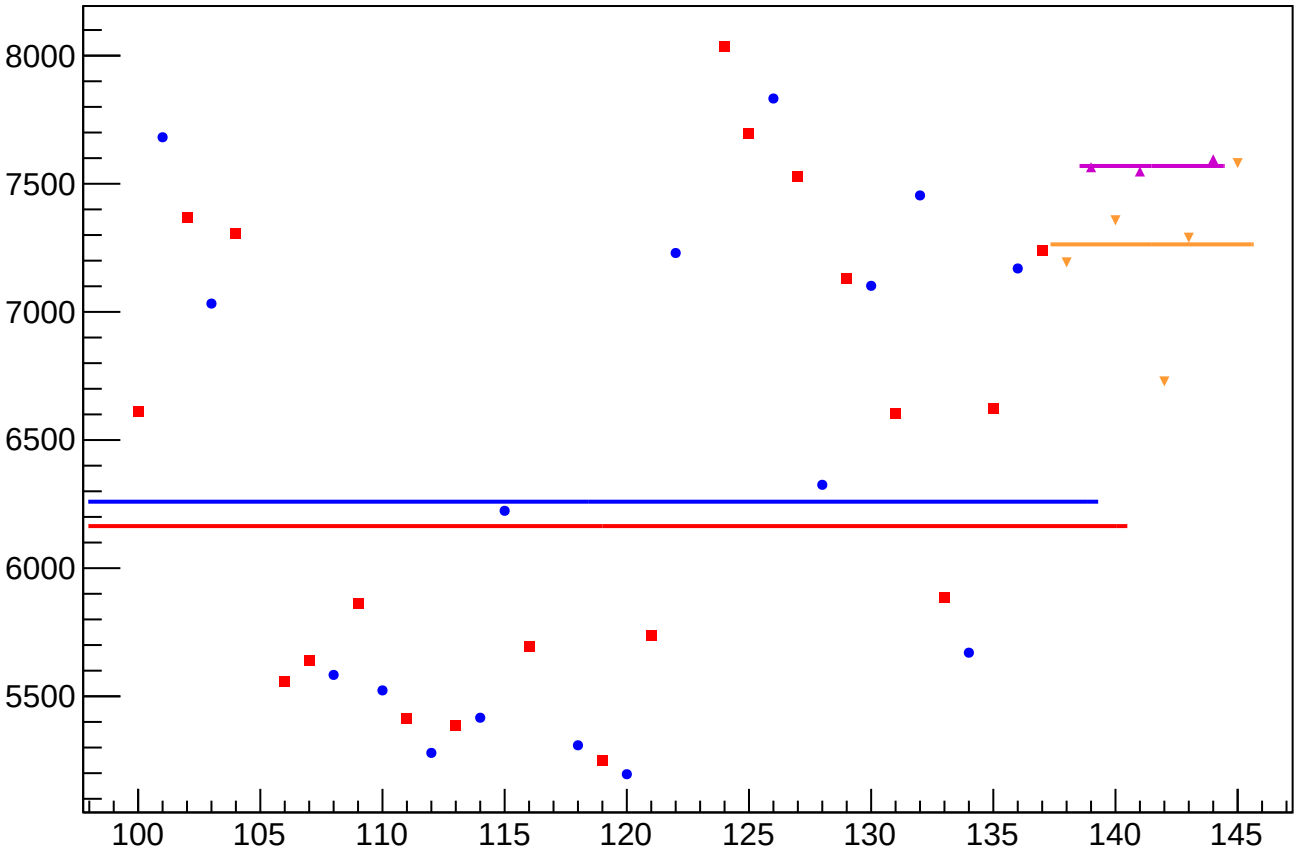
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 17.963+/-4.694 χ^2/NDF:0.8/2

+ sign 9.845+/-2.004 χ^2/NDF: 50.8/20

All: 5.083+/-1.432 χ^2/NDF: 111.1/42

- sign 0.116+/-2.046 χ^2/NDF: 48.8/21



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

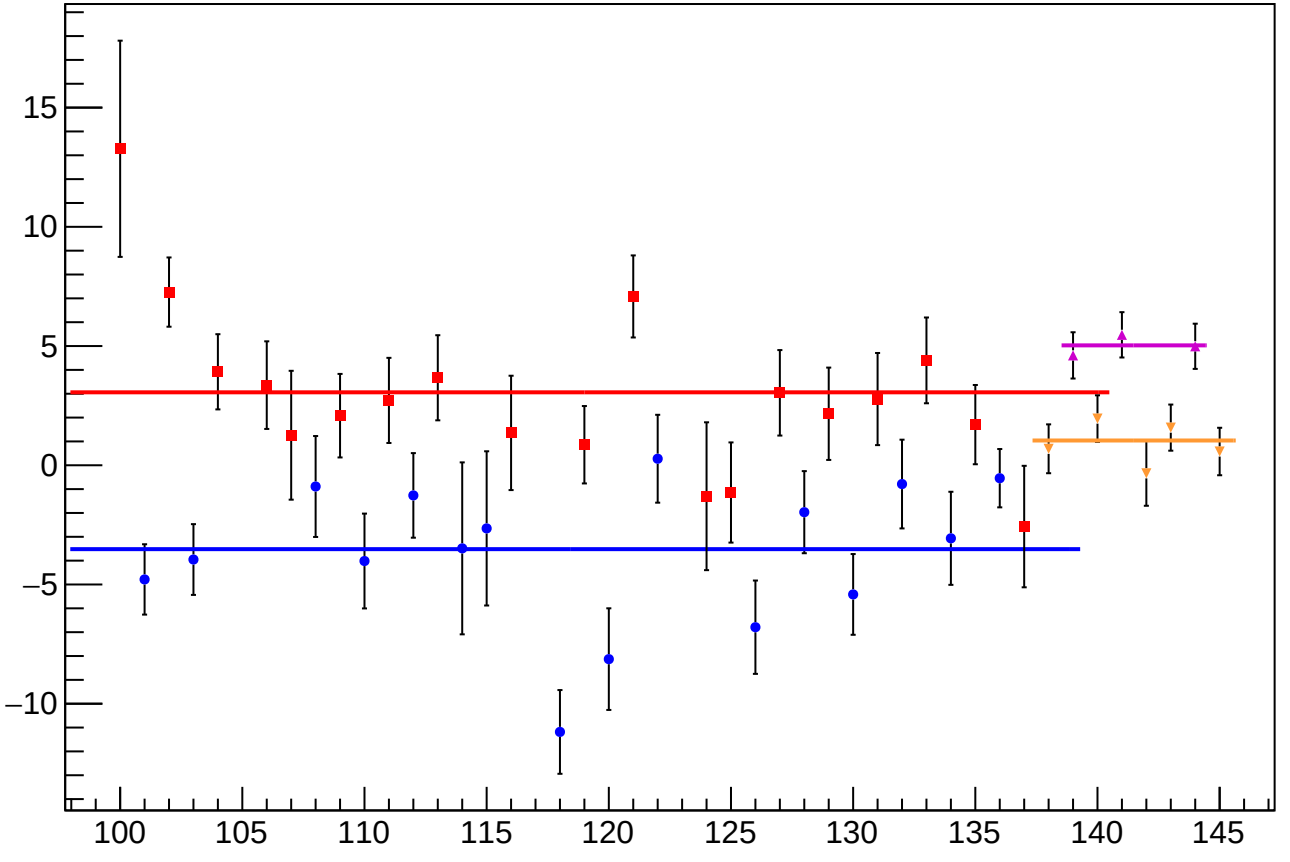
Left In: 7569.489+/-3.319 χ^2/NDF:35.7/2

+ sign 6538.101+/-1.417 χ^2/NDF: 418030.8/20

All: 6485.783+/-1.012 χ^2/NDF: 831115.5/42

- sign 6431.229+/-1.447 χ^2/NDF: 410300.0/21

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

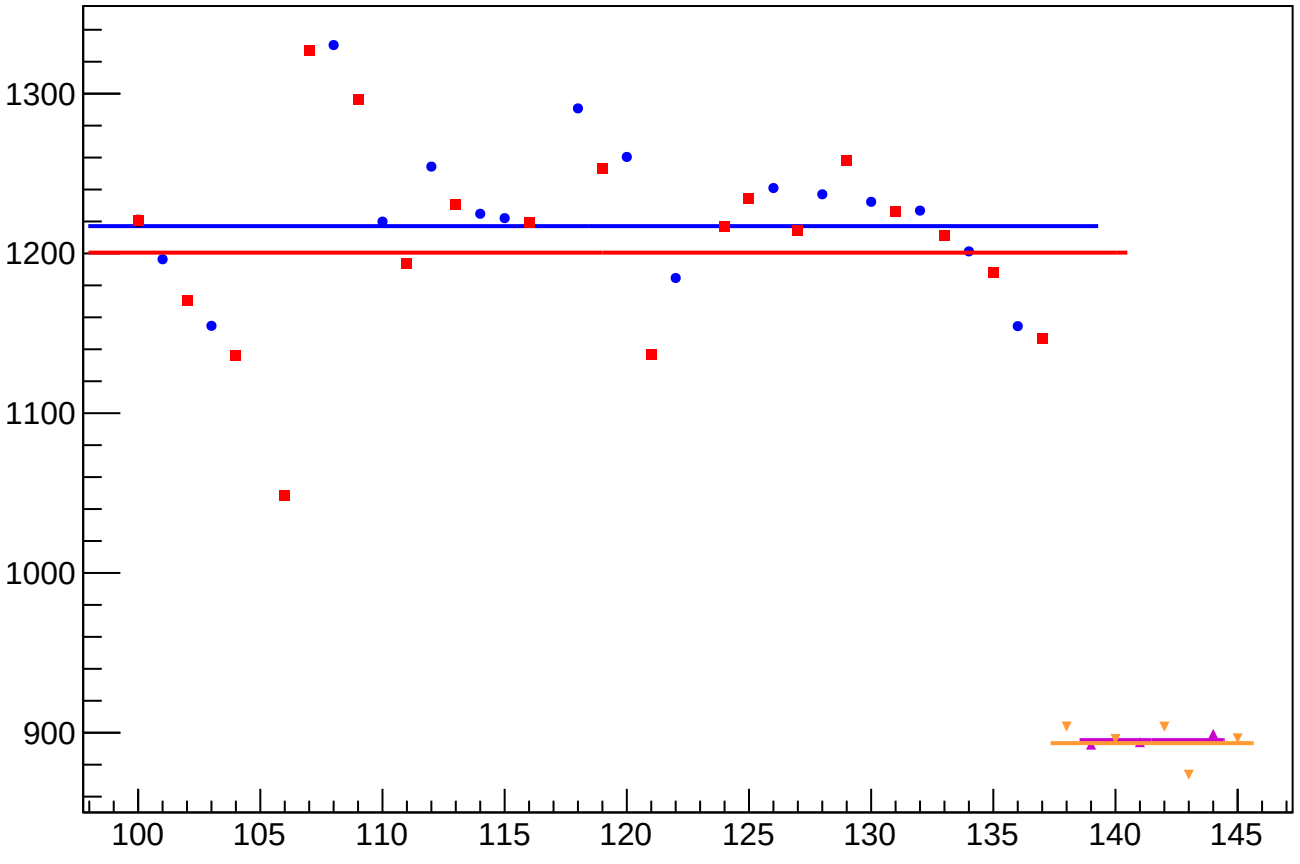
Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: 5.028+/-0.552 χ^2/NDF:0.4/2

+ sign -1.303+/-0.324 χ^2/NDF: 96.9/20

All: 1.114+/-0.236 χ^2/NDF: 257.7/42

- sign 3.821+/-0.343 χ^2/NDF: 43.0/21



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

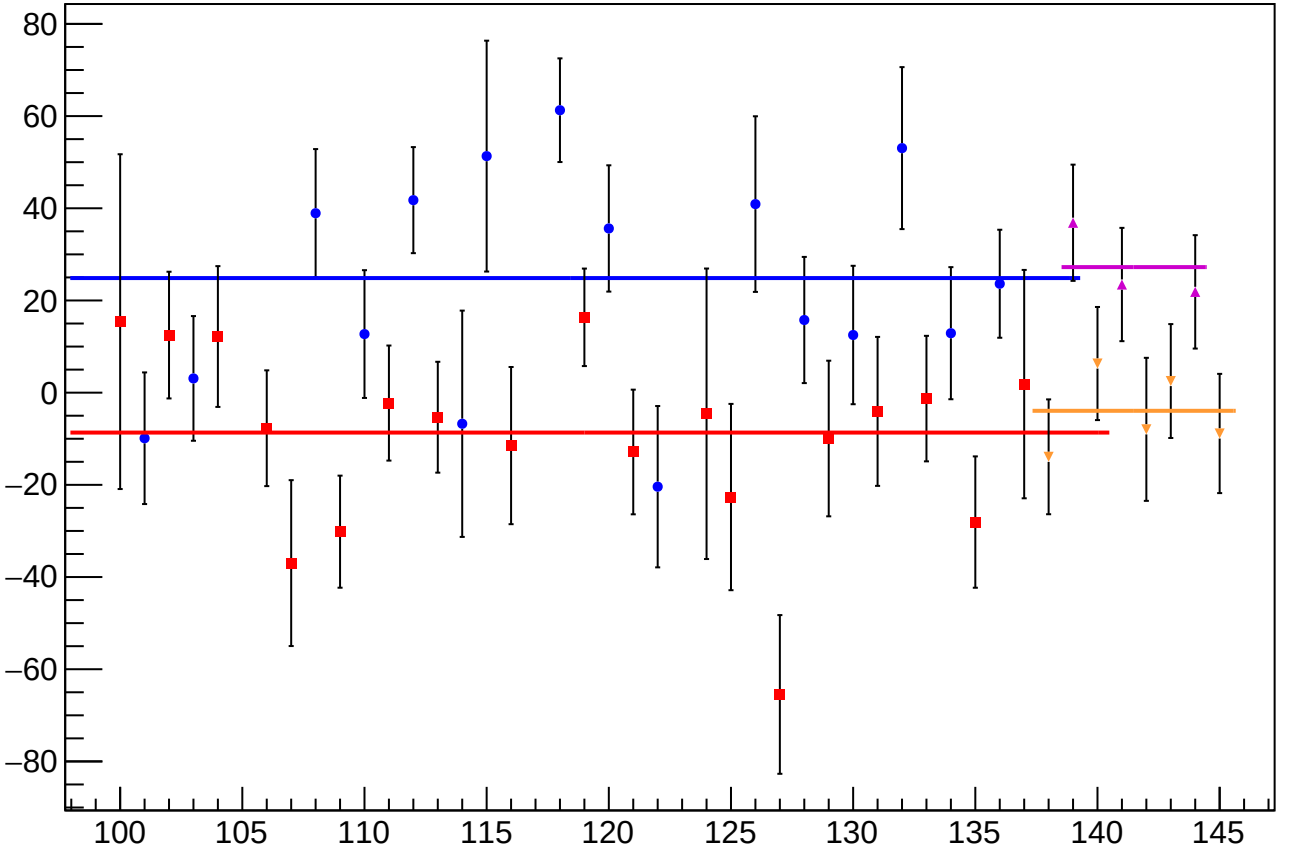
Left In: 895.366+/-0.390 χ^2/NDF:54.2/2

\+ sign 1059.817+/-0.229 χ^2/NDF: 520200.7/20

All: 1070.510+/-0.167 χ^2/NDF: 937323.7/42

\- sign 1082.487+/-0.243 χ^2/NDF: 412514.5/21

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

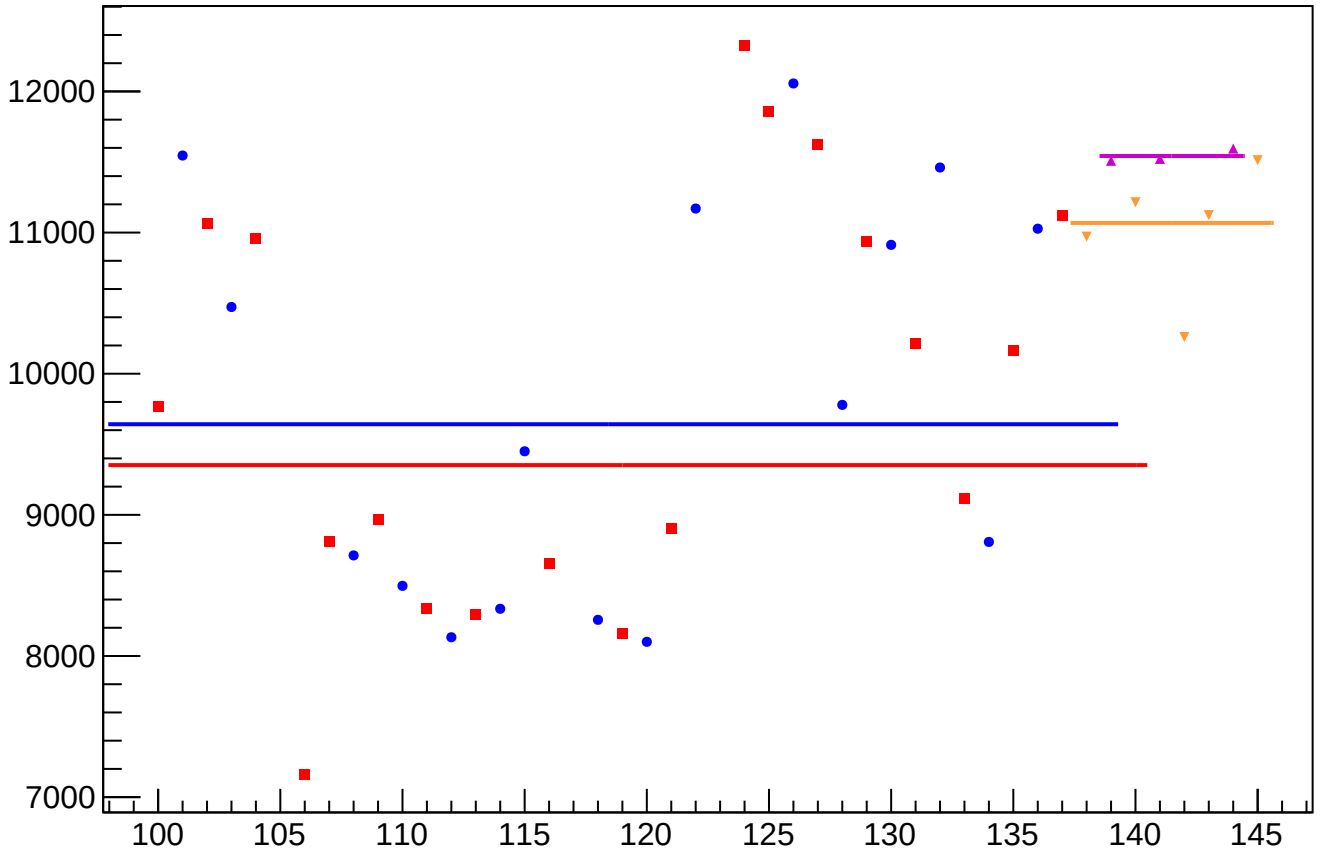
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 27.240+/-7.157 χ^2/NDF:0.9/2

+ sign 16.754+/-3.075 χ^2/NDF: 57.7/20

All: 7.544+/-2.187 χ^2/NDF: 127.3/42

- sign -1.878+/-3.111 χ^2/NDF: 51.4/21



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

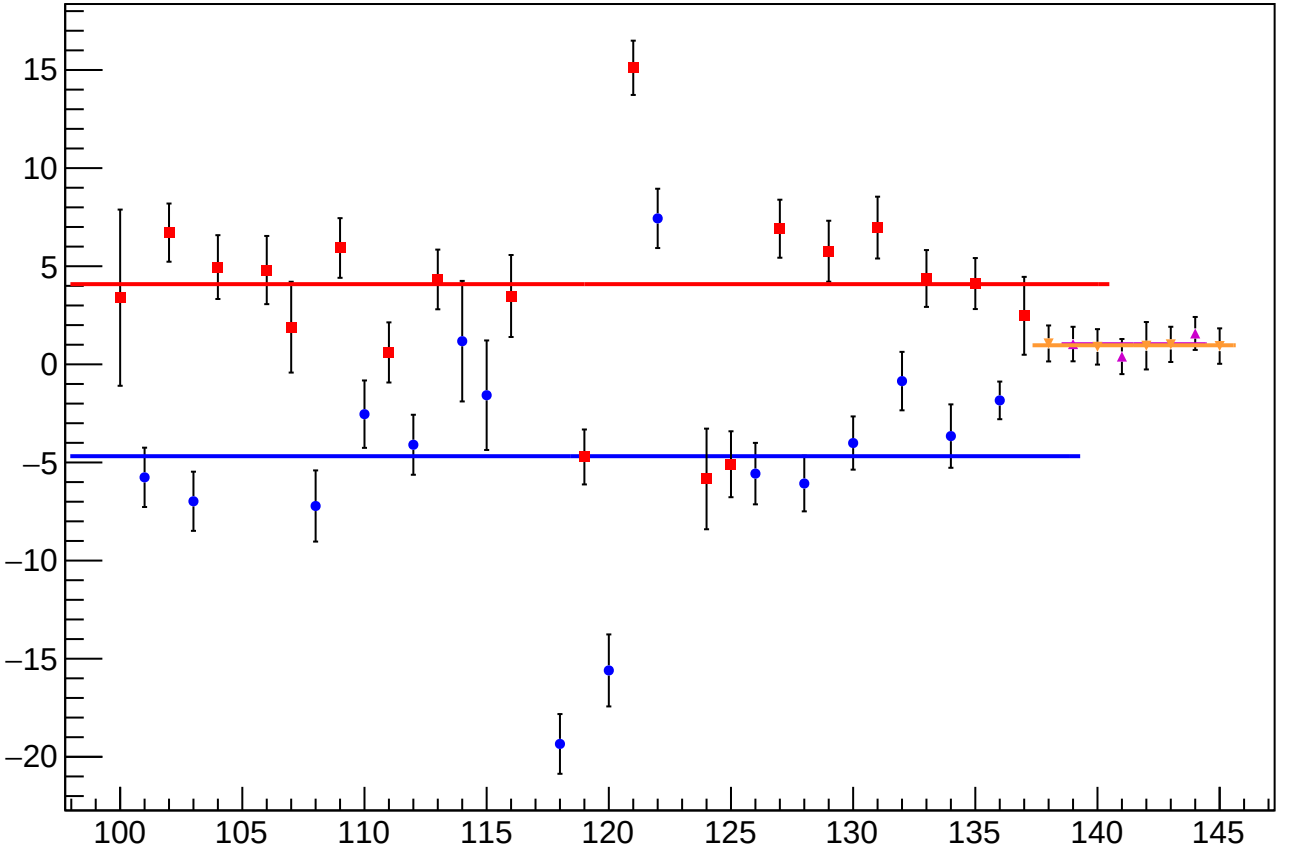
Left In: 11542.546+/-5.061 χ^2/NDF:56.8/2

+ sign 10043.566+/-2.175 χ^2/NDF: 374901.1/20

All: 9906.431+/-1.546 χ^2/NDF: 836671.4/42

- sign 9766.131+/-2.199 χ^2/NDF: 453724.1/21

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

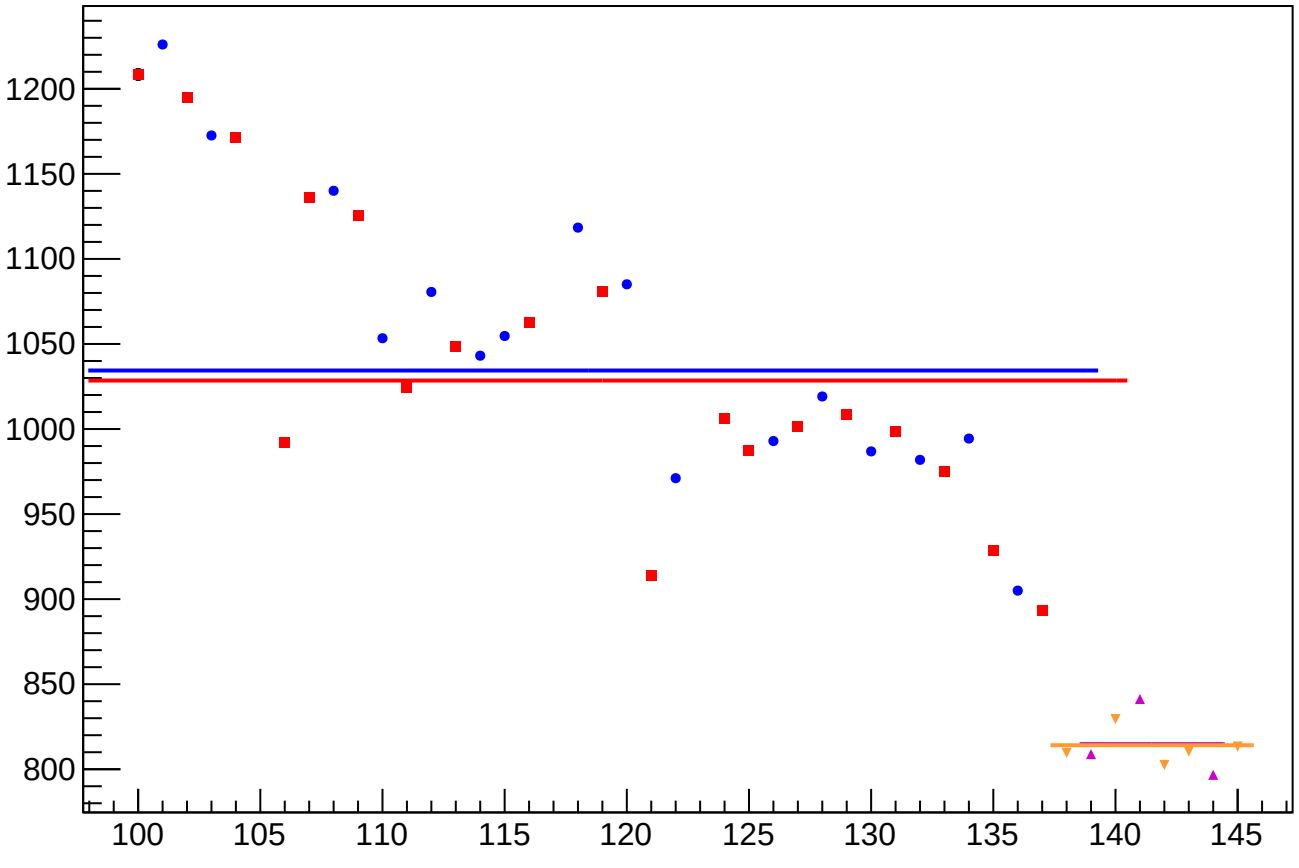
Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: 1.027+/-0.502 χ^2/NDF:0.9/2

+ sign -2.119+/-0.285 χ^2/NDF: 318.5/20

All: 0.295+/-0.207 χ^2/NDF: 662.7/42

- sign 2.987+/-0.301 χ^2/NDF: 192.7/21



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

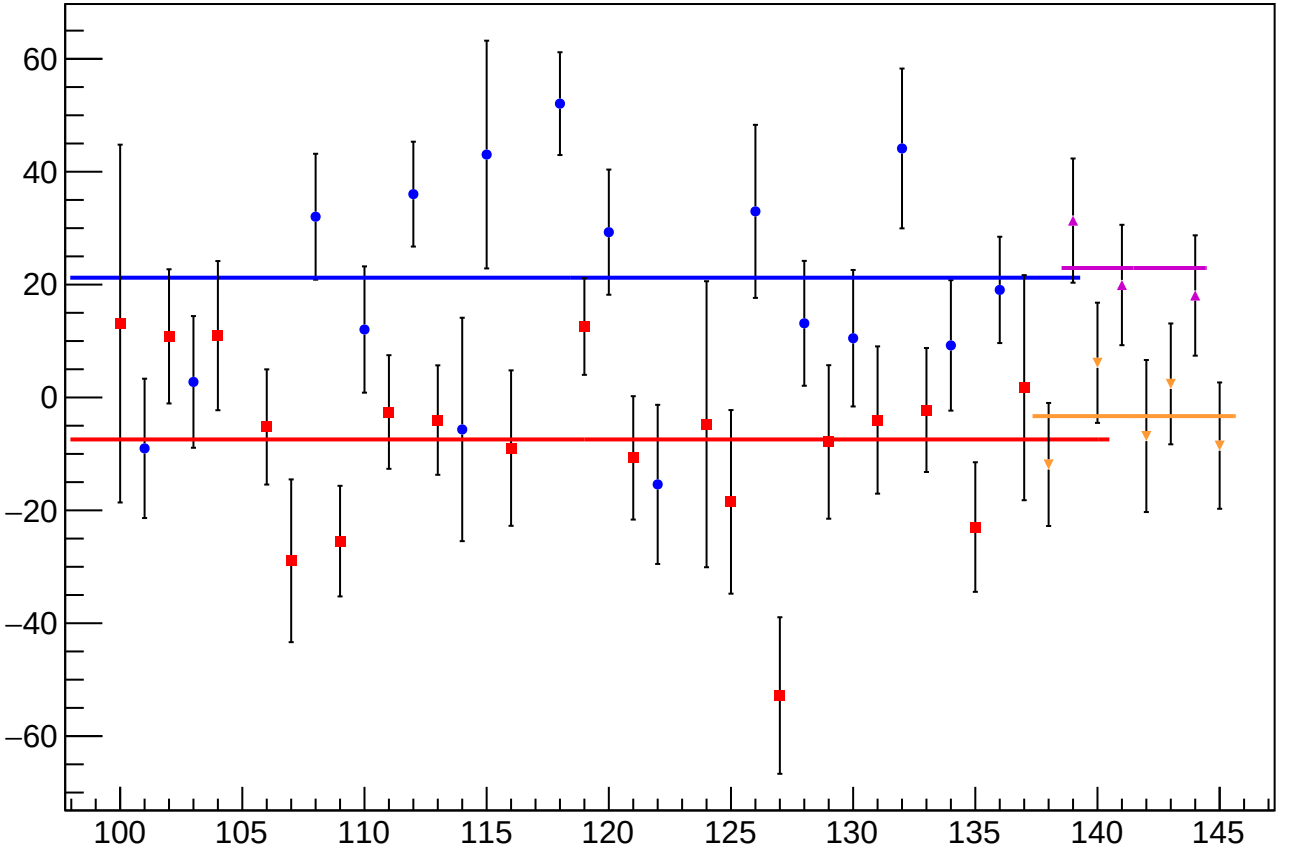
Left In: 814.757+/-0.355 χ^2/NDF:2768.1/2

+ sign 934.565+/-0.202 χ^2/NDF: 409682.1/20

All: 942.648+/-0.146 χ^2/NDF: 749336.7/42

- sign 951.662+/-0.213 χ^2/NDF: 336258.0/21

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

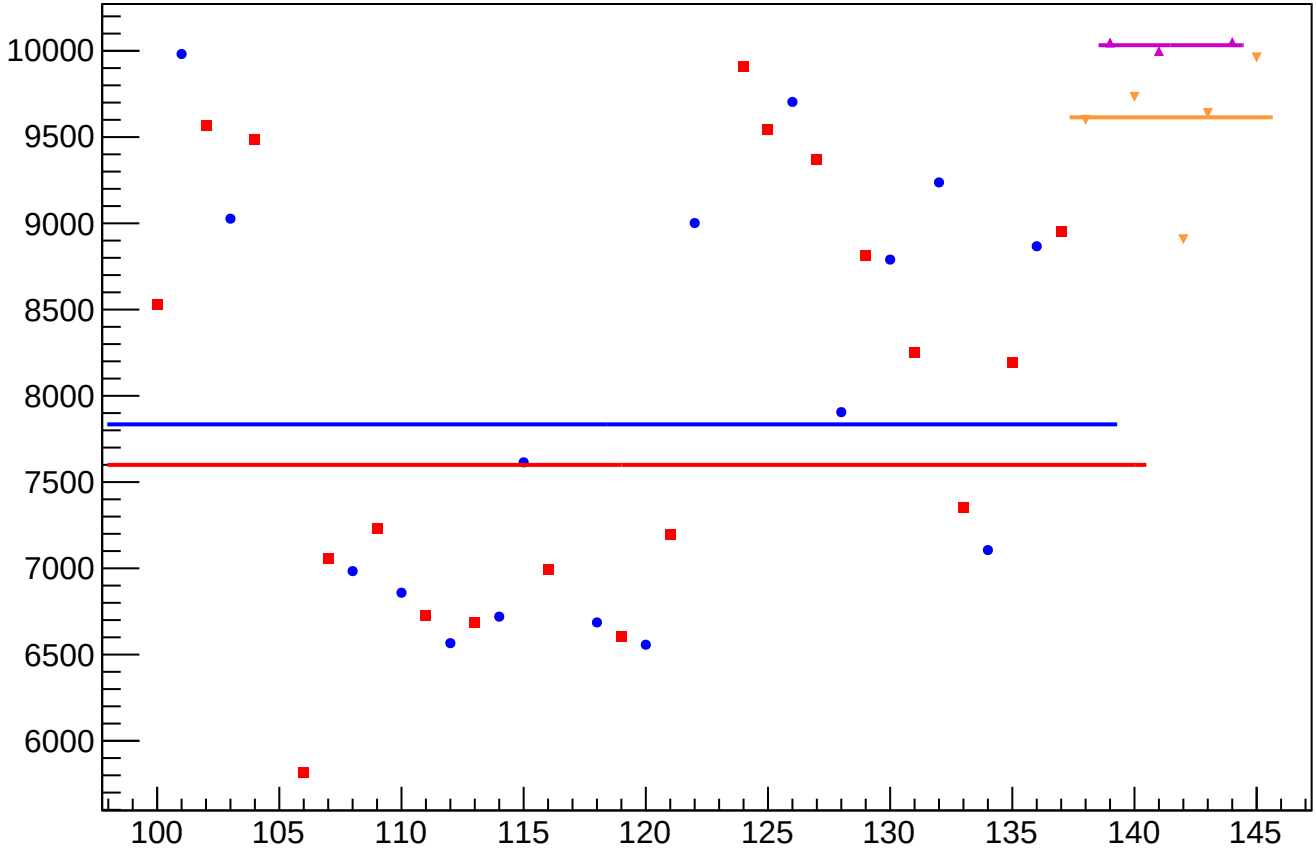
Left In: 22.943+/-6.220 χ^2/NDF:0.9/2

+ sign 14.947+/-2.546 χ^2/NDF: 59.7/20

All: 6.380+/-1.806 χ^2/NDF: 133.0/42

- sign -2.285+/-2.561 χ^2/NDF: 50.5/21

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

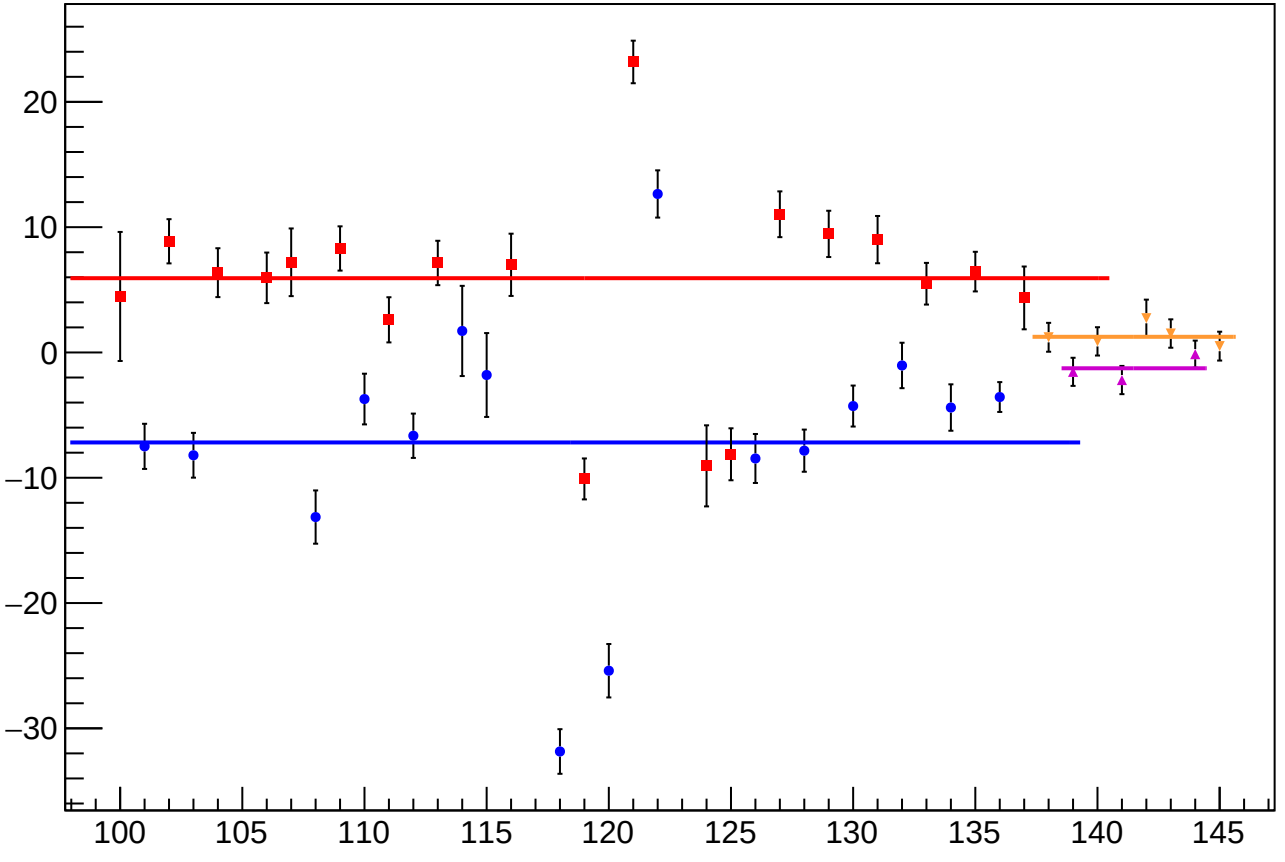
Left In: 10032.712+/-4.398 χ^2/NDF:30.2/2

+ sign 8289.992+/-1.801 χ^2/NDF: 511849.5/20

All: 8151.896+/-1.277 χ^2/NDF: 1122129.0/42

- sign 8012.207+/-1.811 χ^2/NDF: 598447.1/21

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

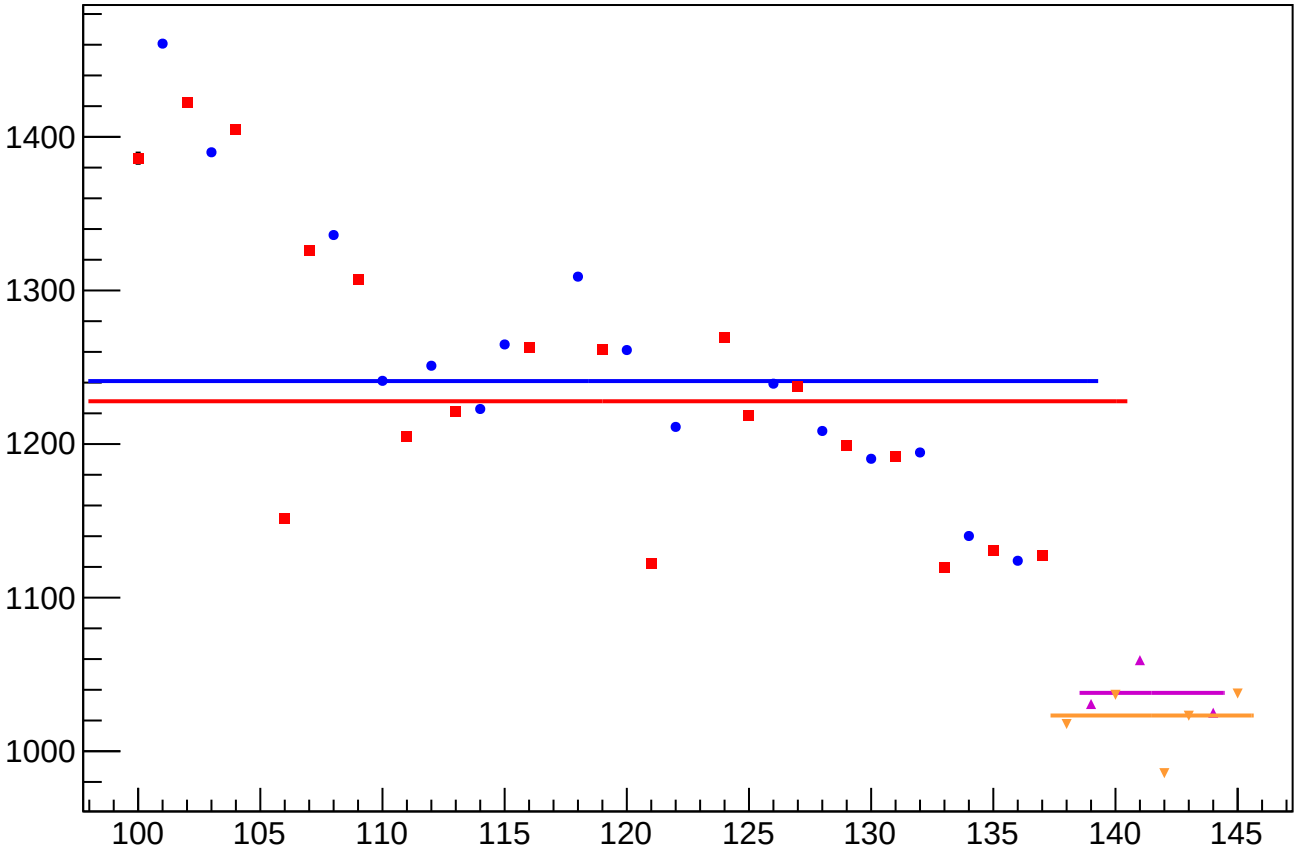
Left In: -1.262+/-0.640 χ^2/NDF:1.8/2

+ sign -3.561+/-0.349 χ^2/NDF: 566.7/20

All: -0.186+/-0.253 χ^2/NDF: 1140.4/42

- sign 3.557+/-0.368 χ^2/NDF: 376.7/21

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

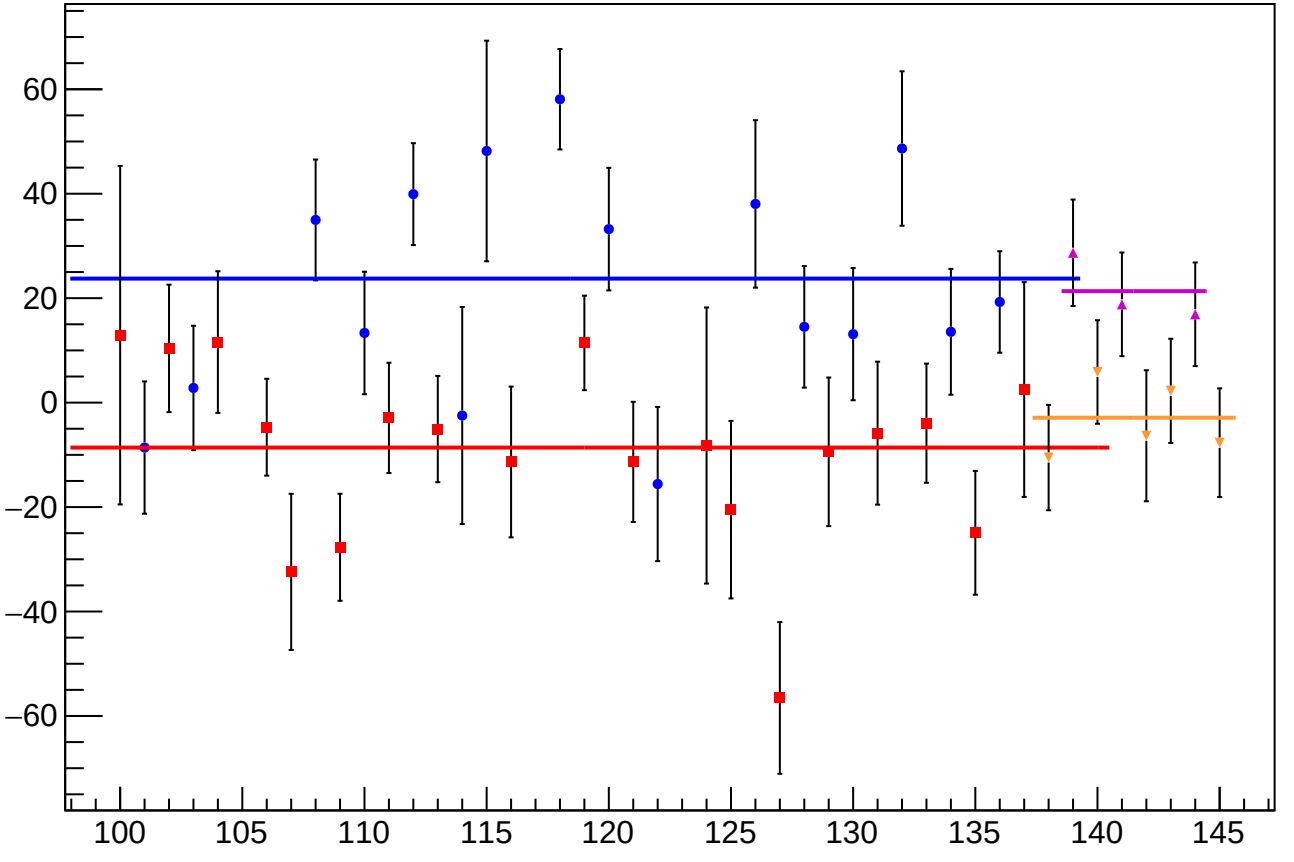
Left In: 1037.993+/-0.453 χ^2/NDF:1084.0/2

+ sign 1147.479+/-0.247 χ^2/NDF: 273125.5/20

All: 1155.912+/-0.179 χ^2/NDF: 476838.3/42

- sign 1165.265+/-0.260 χ^2/NDF: 201252.5/21

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

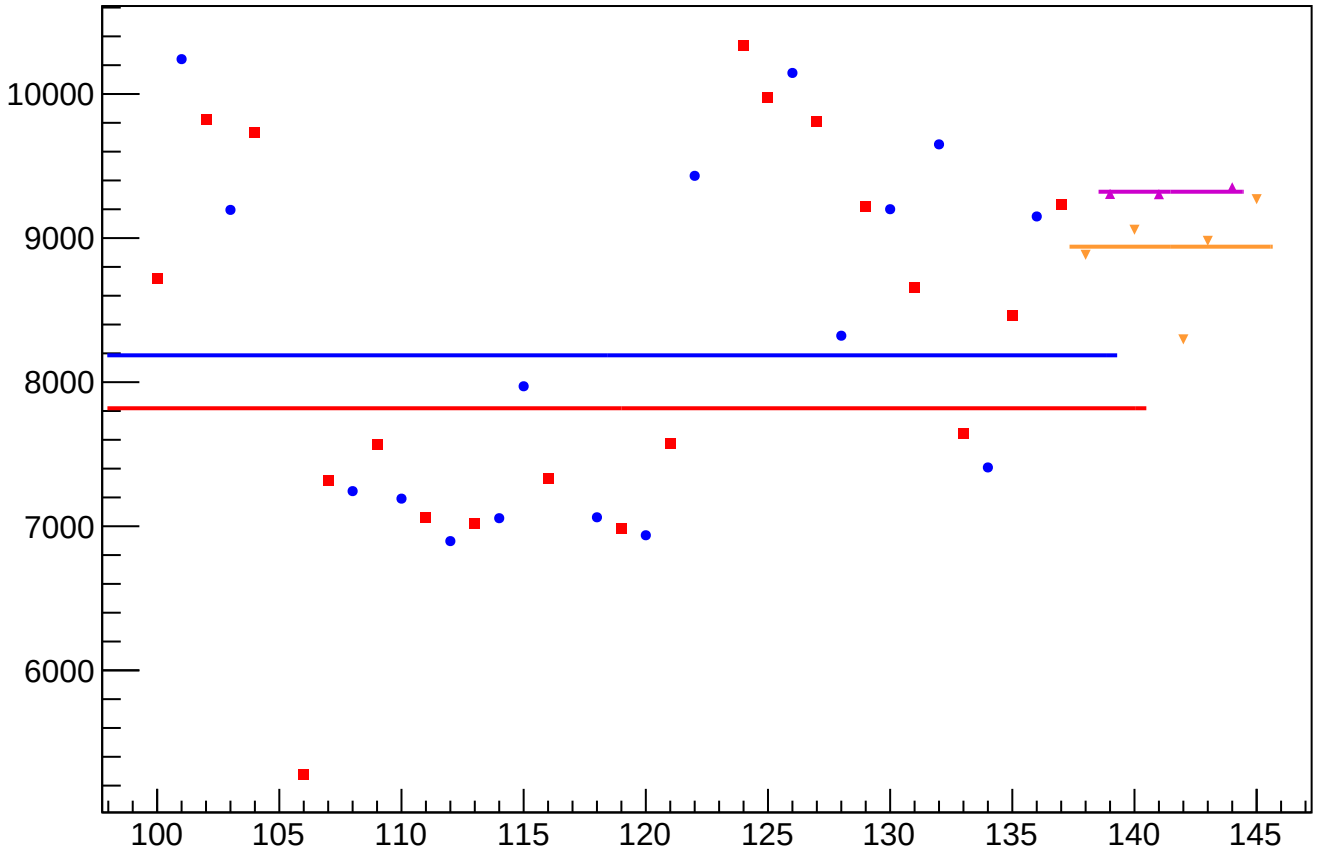
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 21.346+/-5.779 χ^2/NDF:0.8/2

+ sign 15.694+/-2.574 χ^2/NDF: 67.9/20

All: 6.616+/-1.826 χ^2/NDF: 145.7/42

- sign -2.587+/-2.591 χ^2/NDF: 52.7/21



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

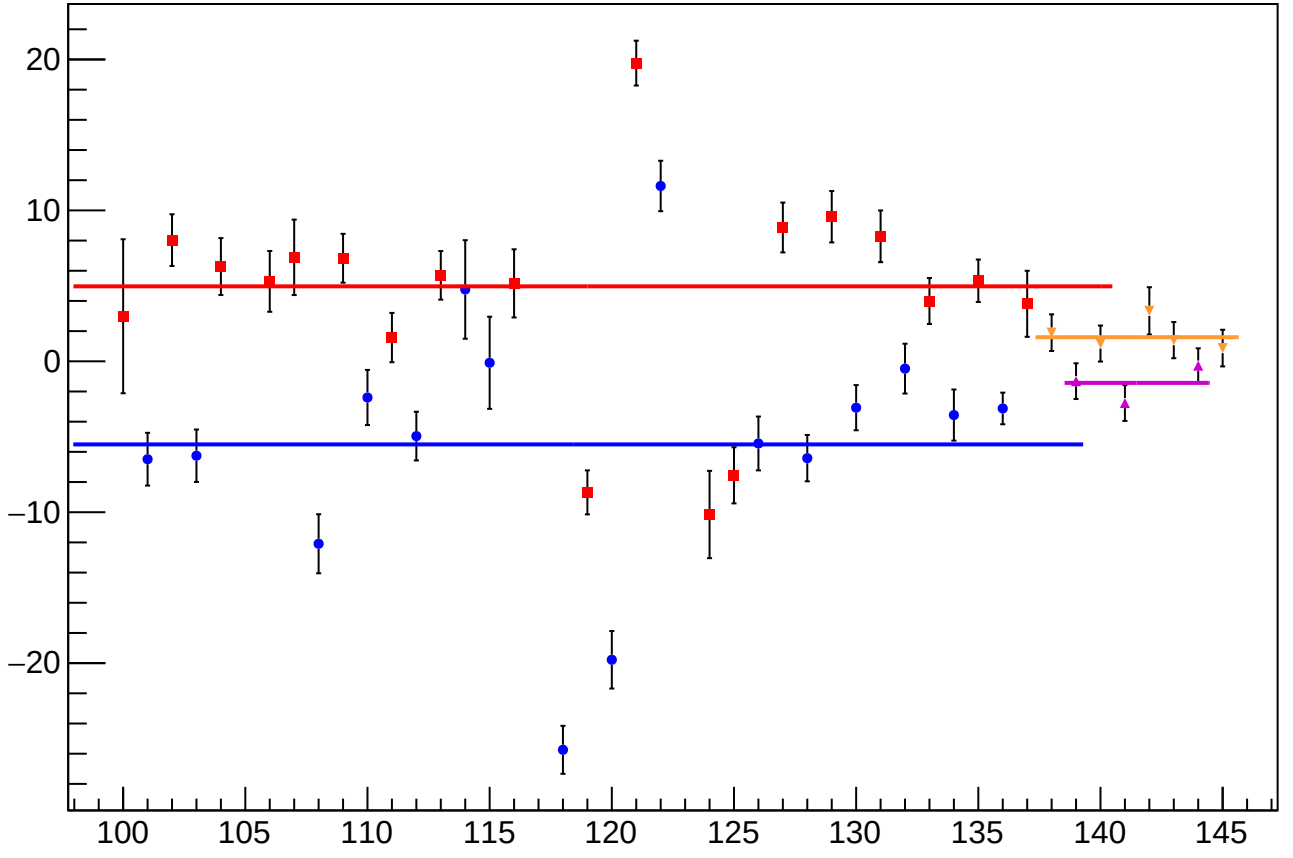
Left In: 9321.695+/-4.086 χ^2/NDF:29.9/2

\+ sign 8414.331+/-1.820 χ^2/NDF: 334477.9/20

All: 8268.701+/-1.291 χ^2/NDF: 878441.8/42

\- sign 8121.086+/-1.832 χ^2/NDF: 531070.4/21

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

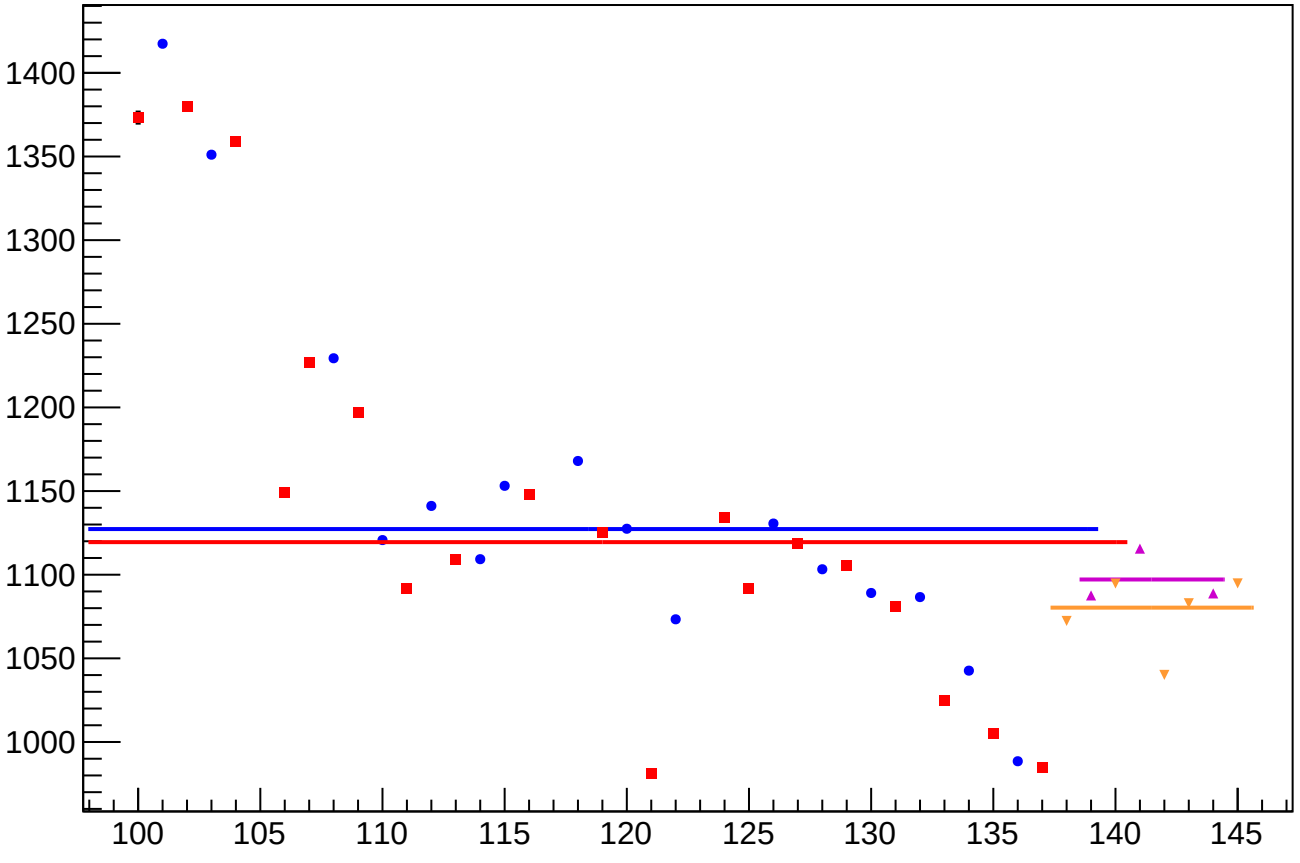
Left In: -1.430+/-0.677 χ^2/NDF:2.3/2

+ sign -2.957+/-0.337 χ^2/NDF: 473.8/20

All: 0.020+/-0.243 χ^2/NDF: 991.4/42

- sign 3.248+/-0.351 χ^2/NDF: 354.9/21

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

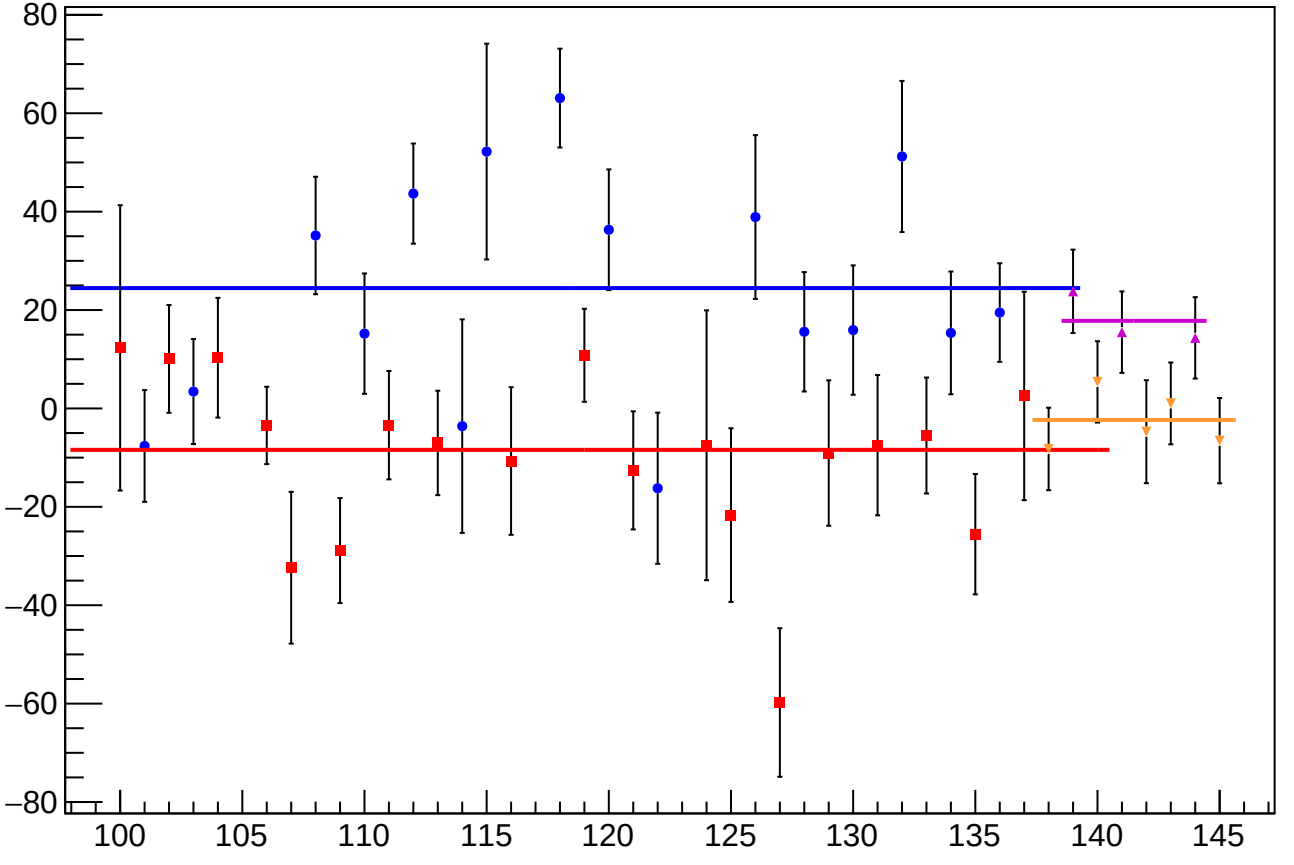
Left In: 1097.143+/-0.479 χ^2/NDF:718.5/2

+ sign 1110.431+/-0.238 χ^2/NDF: 151546.3/20

All: 1111.890+/-0.172 χ^2/NDF: 294670.6/42

- sign 1113.472+/-0.248 χ^2/NDF: 143046.1/21

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

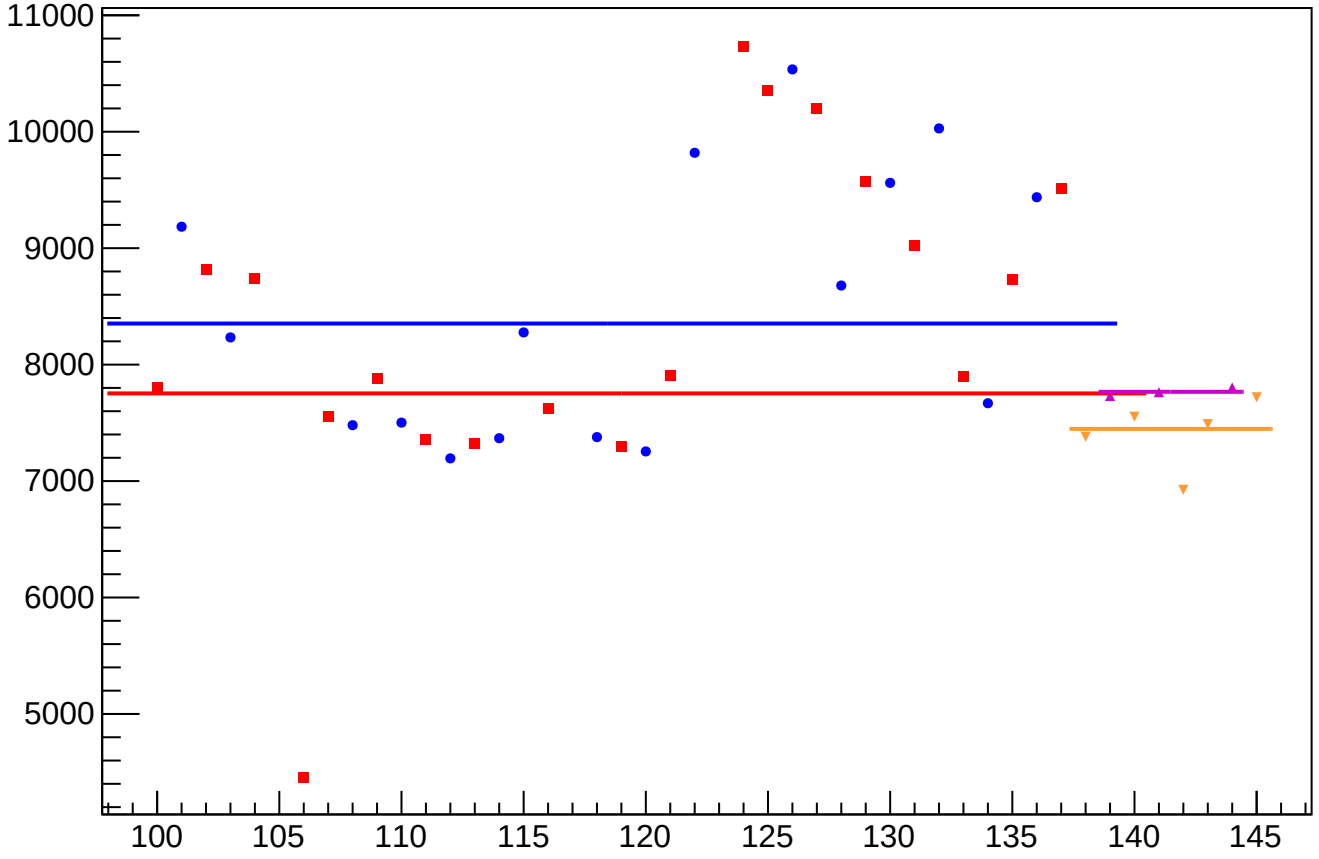
Left In: 17.798+/-4.815 χ^2/NDF:0.8/2

+ sign 13.936+/-2.444 χ^2/NDF: 78.8/20

All: 6.343+/-1.740 χ^2/NDF: 152.1/42

- sign -1.467+/-2.478 χ^2/NDF: 53.7/21

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

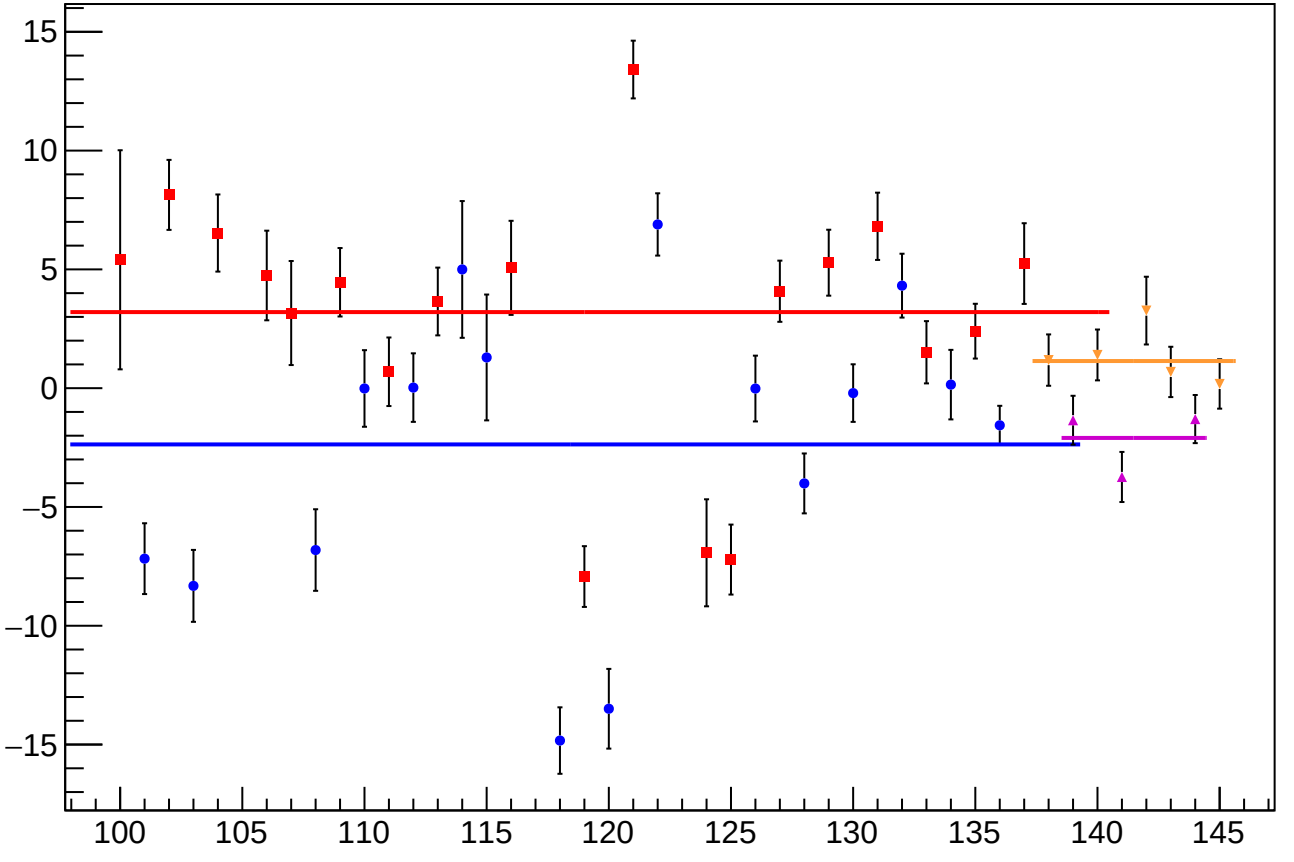
Left In: 7766.566+/-3.405 χ^2/NDF:75.2/2

\+ sign 7997.446+/-1.728 χ^2/NDF: 293223.2/20

All: 7878.601+/-1.230 χ^2/NDF: 890978.3/42

\- sign 7756.355+/-1.753 χ^2/NDF: 588159.5/21

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

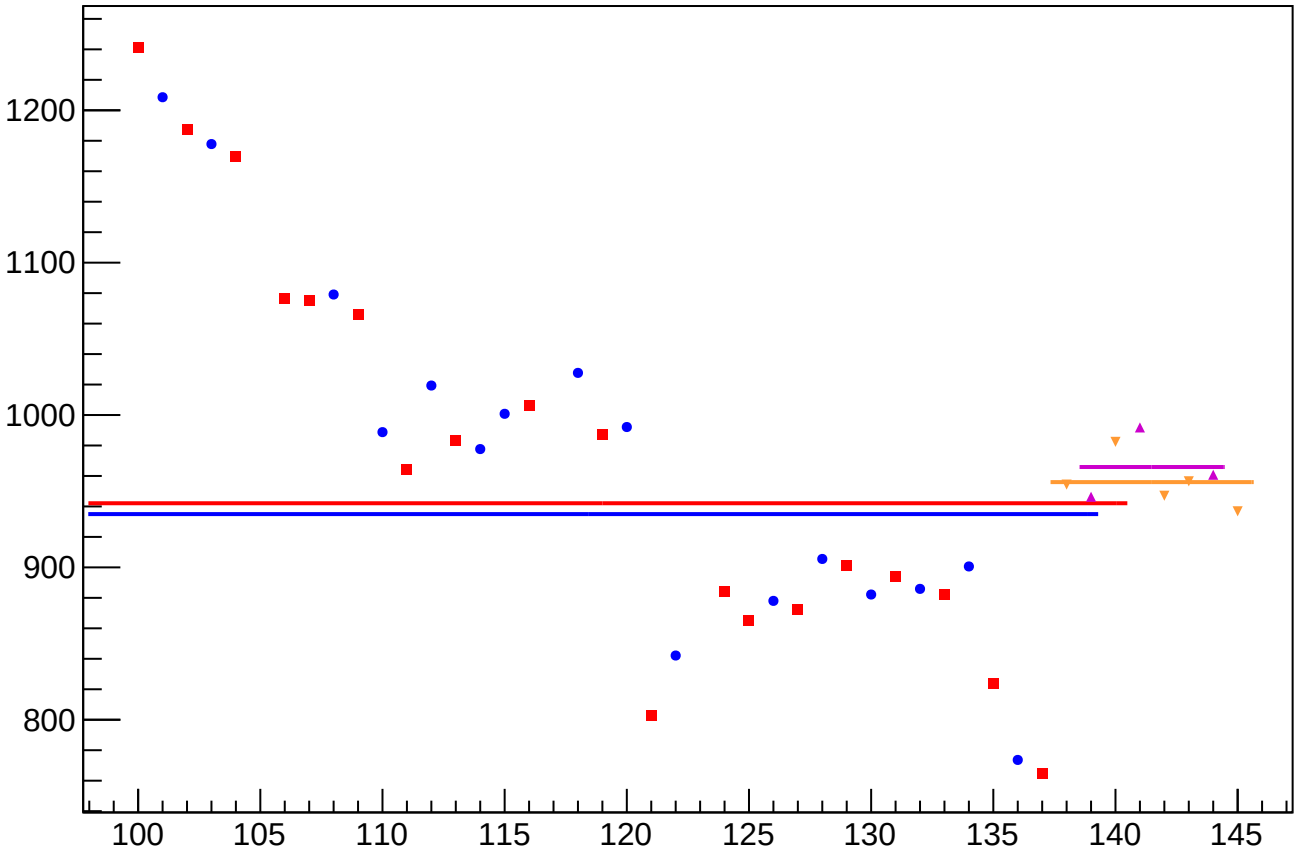
Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: -2.094+/-0.596 χ^2/NDF:3.6/2

+ sign -1.204+/-0.287 χ^2/NDF: 292.2/20

All: 0.263+/-0.207 χ^2/NDF: 660.1/42

- sign 1.864+/-0.299 χ^2/NDF: 313.2/21



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

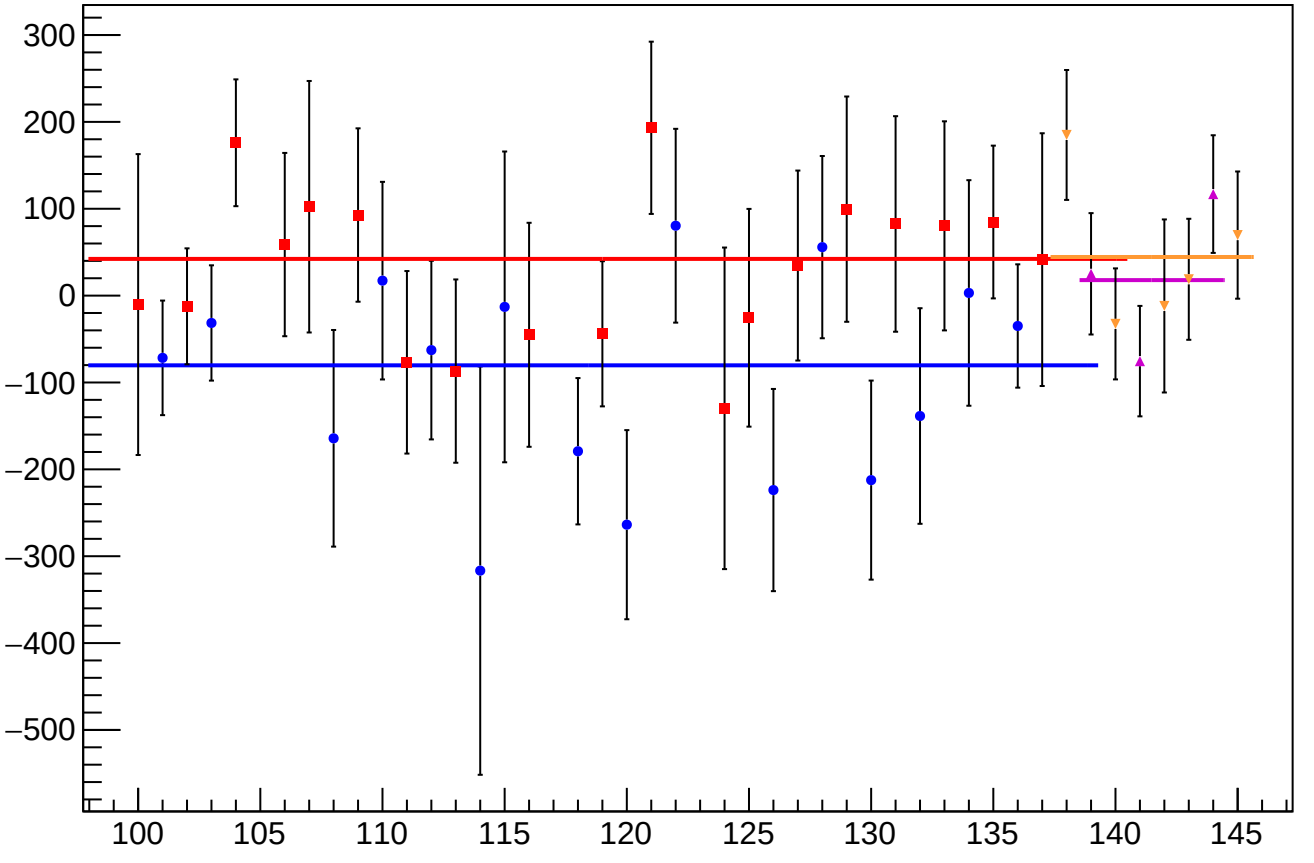
Left In: 965.877+/-0.421 χ^2/NDF:1984.4/2

+ sign 941.935+/-0.203 χ^2/NDF: 258725.3/20

All: 944.884+/-0.146 χ^2/NDF: 495989.1/42

- sign 948.105+/-0.212 χ^2/NDF: 236820.4/21

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

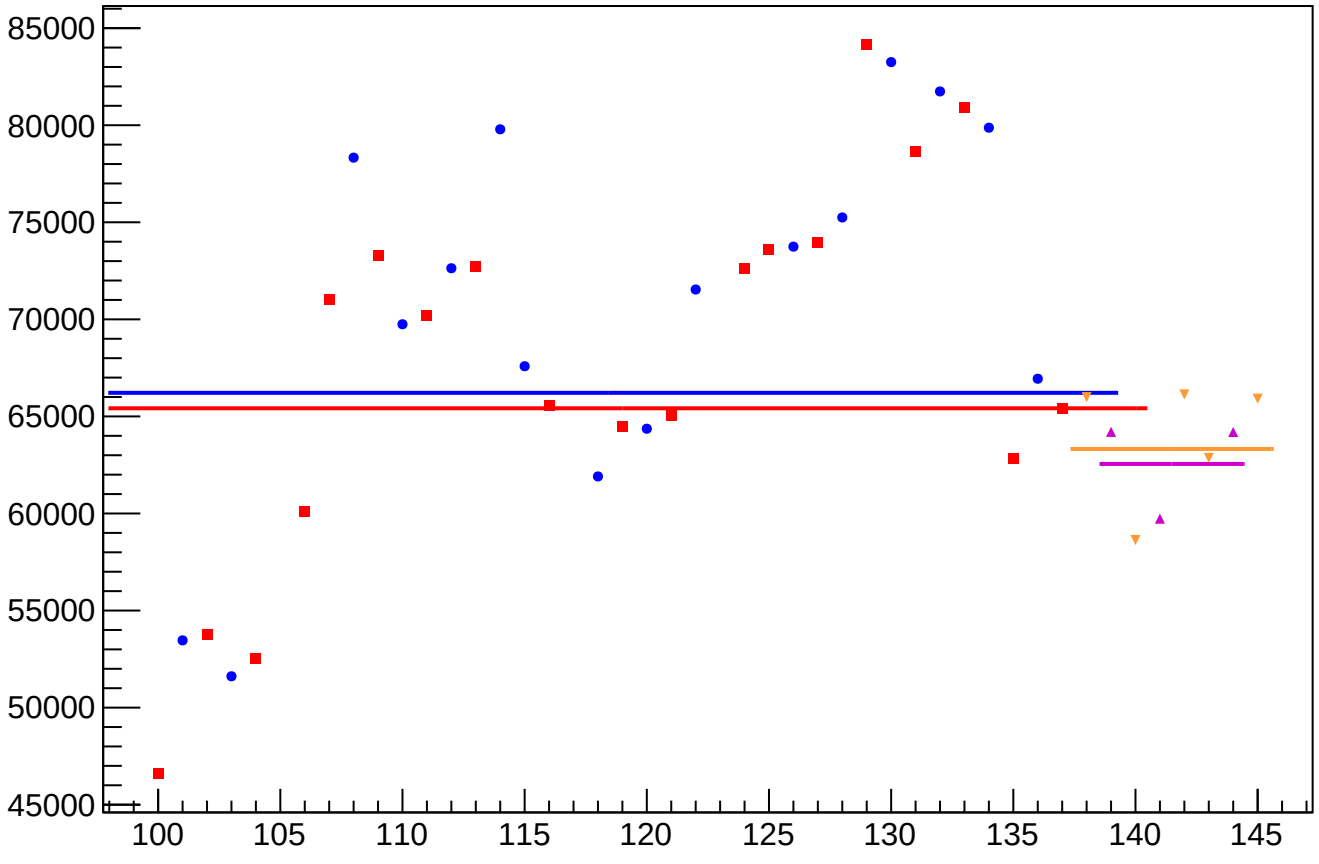
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 17.853+/-38.624 χ^2/NDF:4.3/2

+ sign -35.024+/-19.886 χ^2/NDF: 29.4/20

All: -0.835+/-14.265 χ^2/NDF: 53.1/42

- sign 35.405+/-20.473 χ^2/NDF: 17.6/21



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

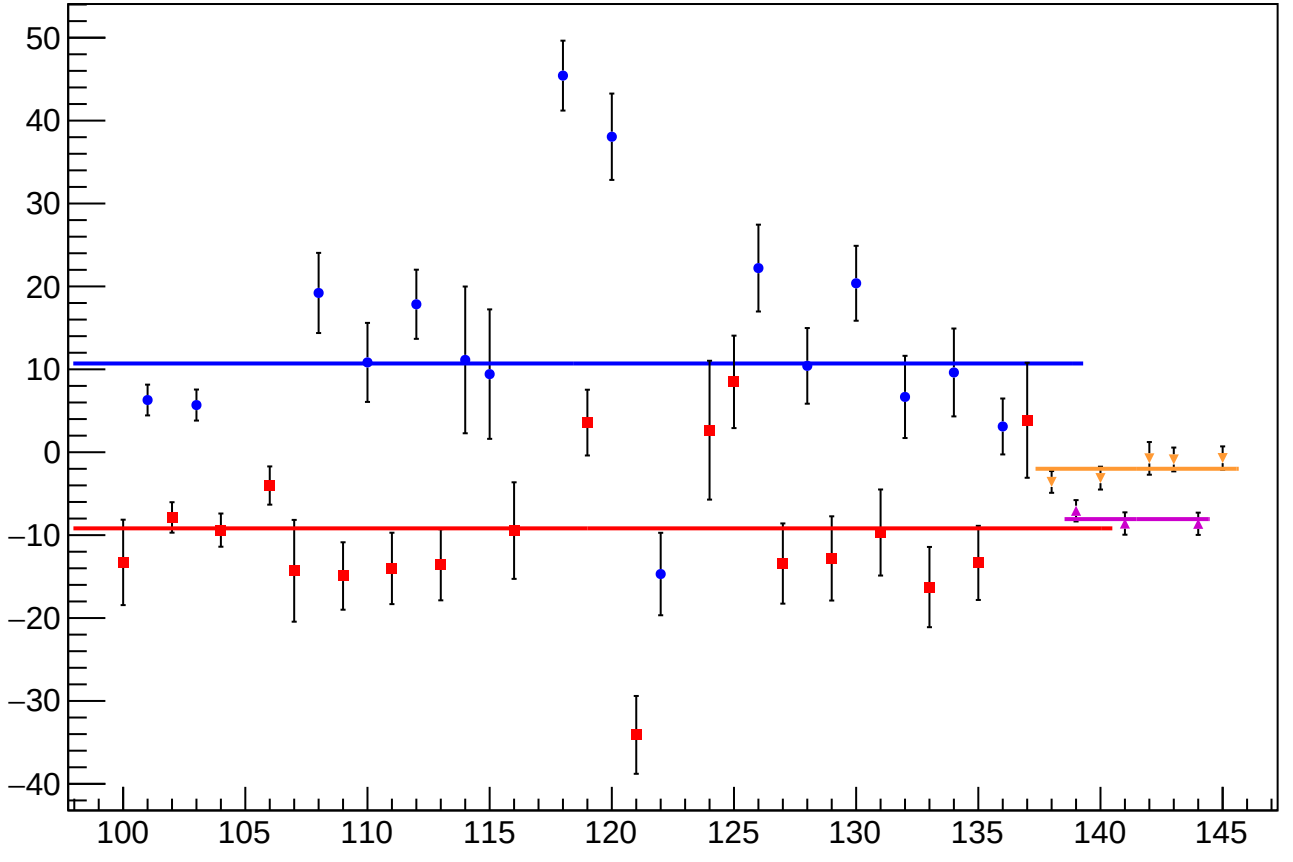
Left In: 62552.561+/-27.311 χ^2/NDF:6236.0/2

+ sign 65167.144+/-14.061 χ^2/NDF: 365669.5/20

All: 64898.262+/-10.087 χ^2/NDF: 685132.5/4

- sign 64613.257+/-14.477 χ^2/NDF: 318709.8/21

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

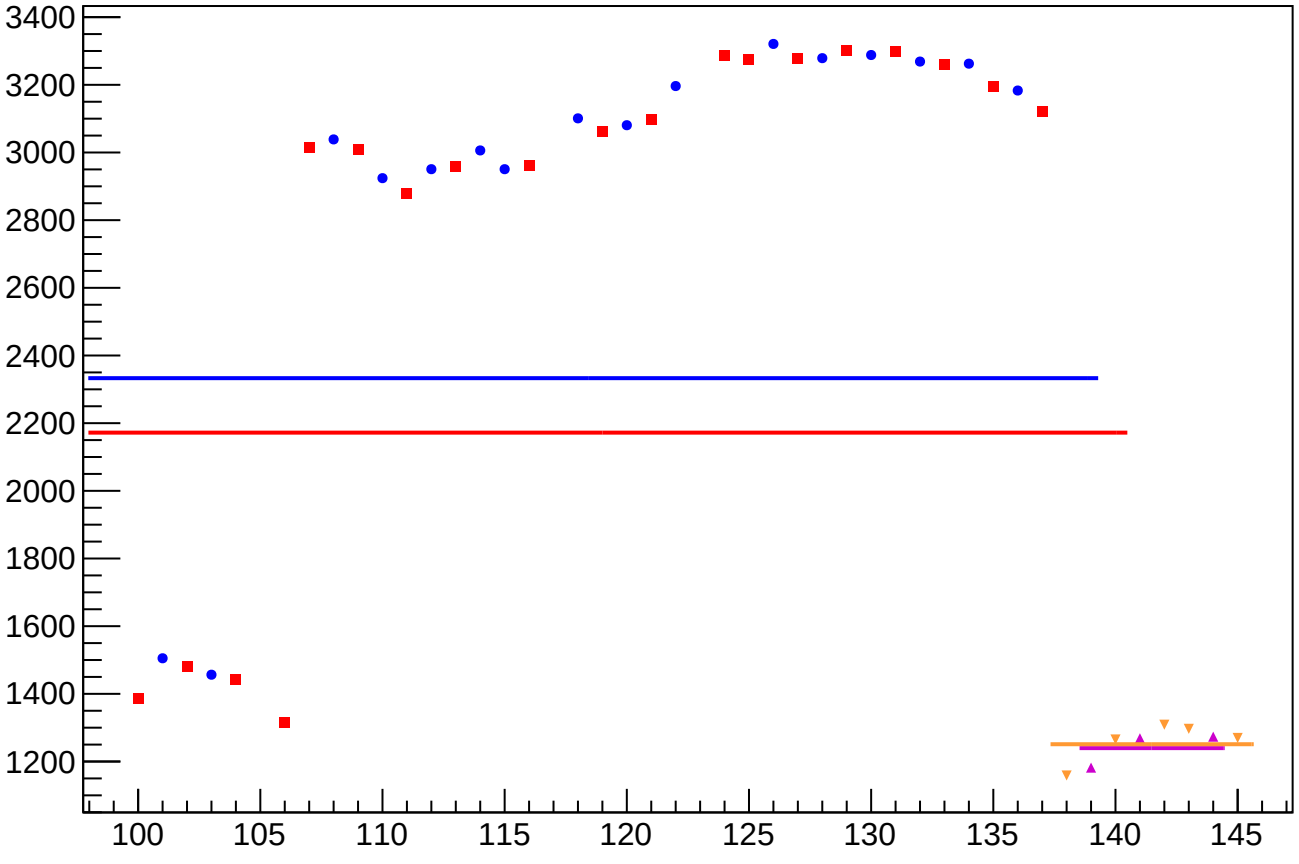
Left In: -8.066+/-0.765 χ^2/NDF:0.9/2

+ sign 2.248+/-0.532 χ^2/NDF: 286.3/20

All: -2.799+/-0.389 χ^2/NDF: 550.5/42

- sign -8.566+/-0.569 χ^2/NDF: 71.5/21

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

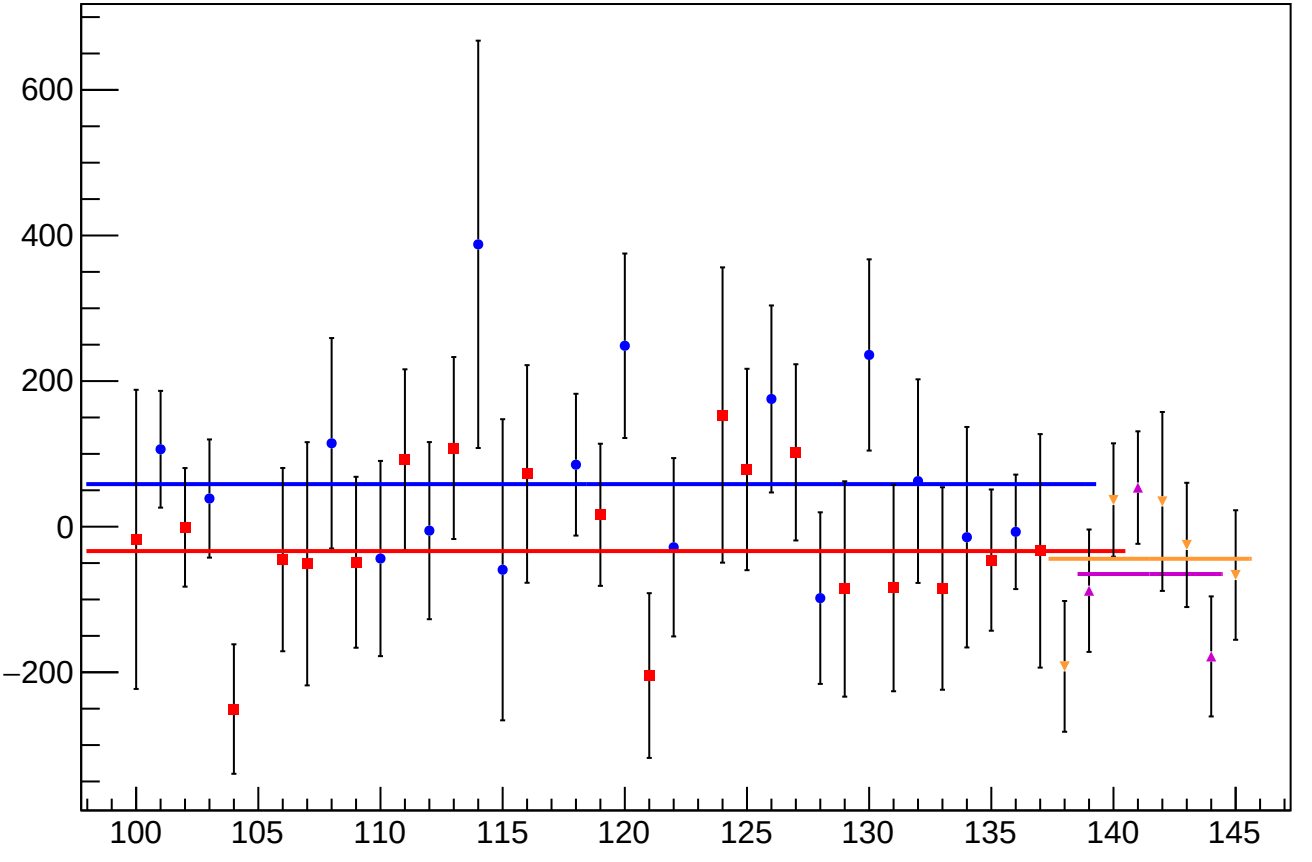
Left In: 1239.583+/-0.541 χ^2/NDF:6209.9/2

+ sign 1612.552+/-0.376 χ^2/NDF: 3505290.3/20

All: 1633.263+/-0.275 χ^2/NDF: 6831383.3/42

- sign 1656.927+/-0.402 χ^2/NDF: 3319600.6/21

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

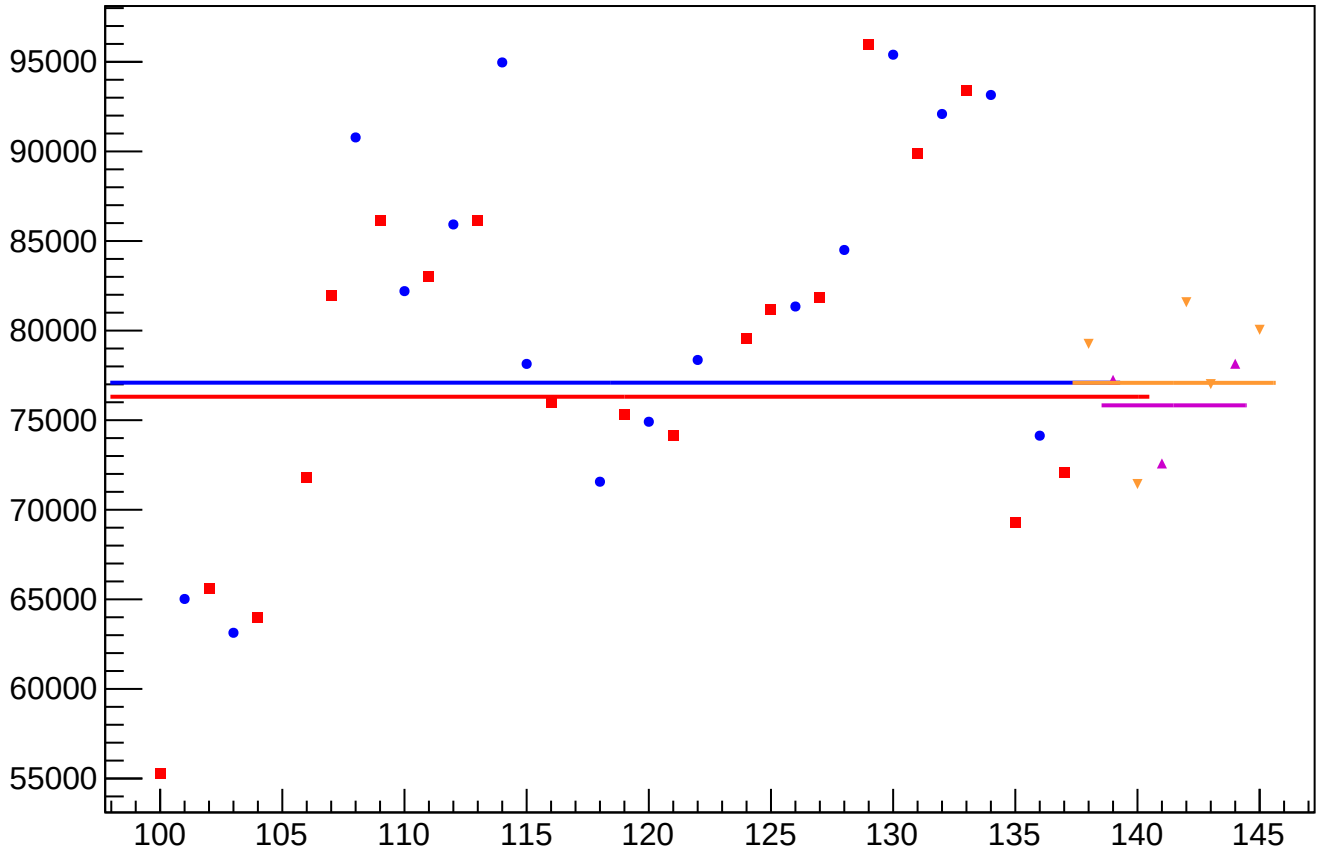
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -65.035+/-46.829 χ^2/NDF:4.3/2

+ sign 23.487+/-23.476 χ^2/NDF: 19.9/20

All: -8.335+/-16.816 χ^2/NDF: 43.0/42

- sign -41.866+/-24.098 χ^2/NDF: 19.3/21



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

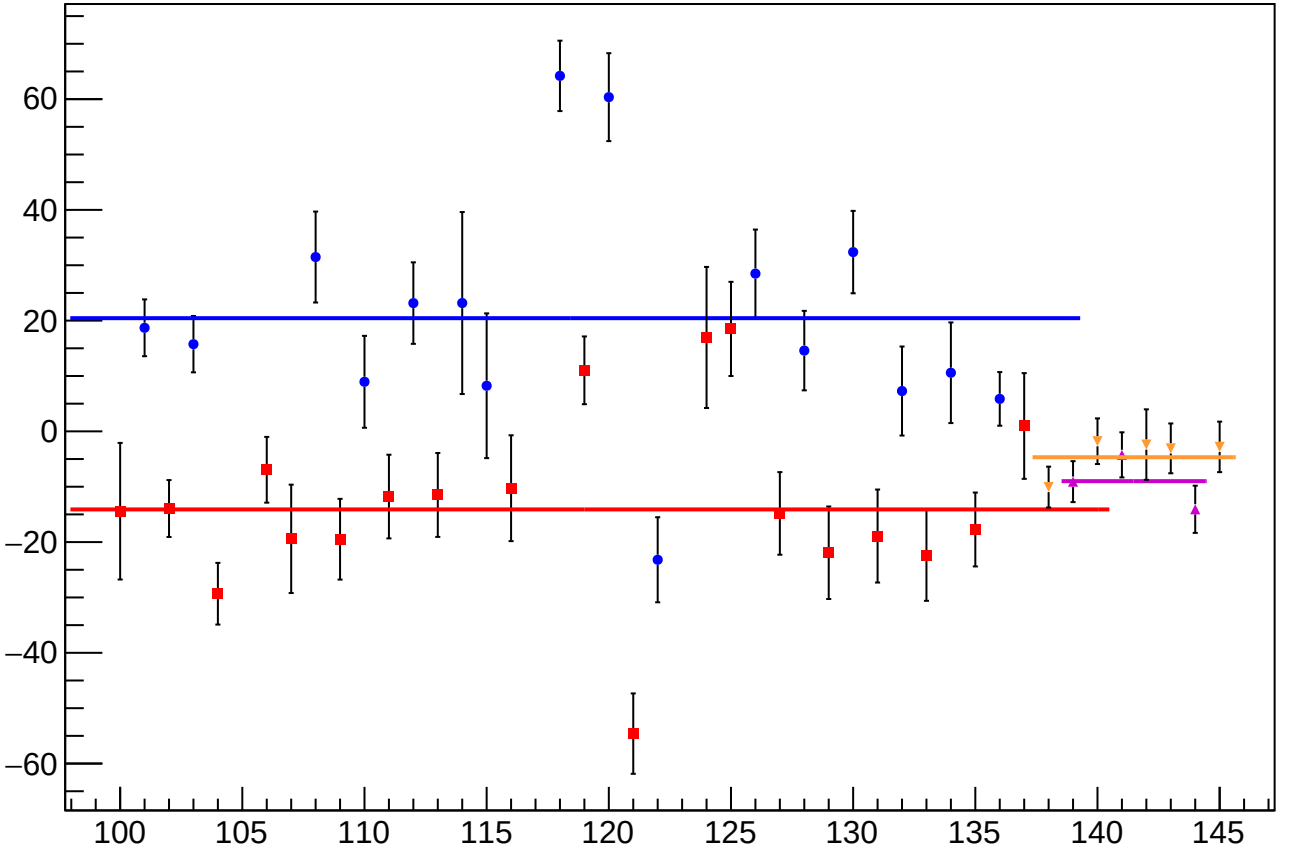
Left In: 75828.127+/-33.113 χ^2/NDF:5683.7/2

+ sign 77090.138+/-16.600 χ^2/NDF: 265129.0/20

All: 76647.676+/-11.891 χ^2/NDF: 506859.8/4

- sign 76181.441+/-17.040 χ^2/NDF: 240271.7/21

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

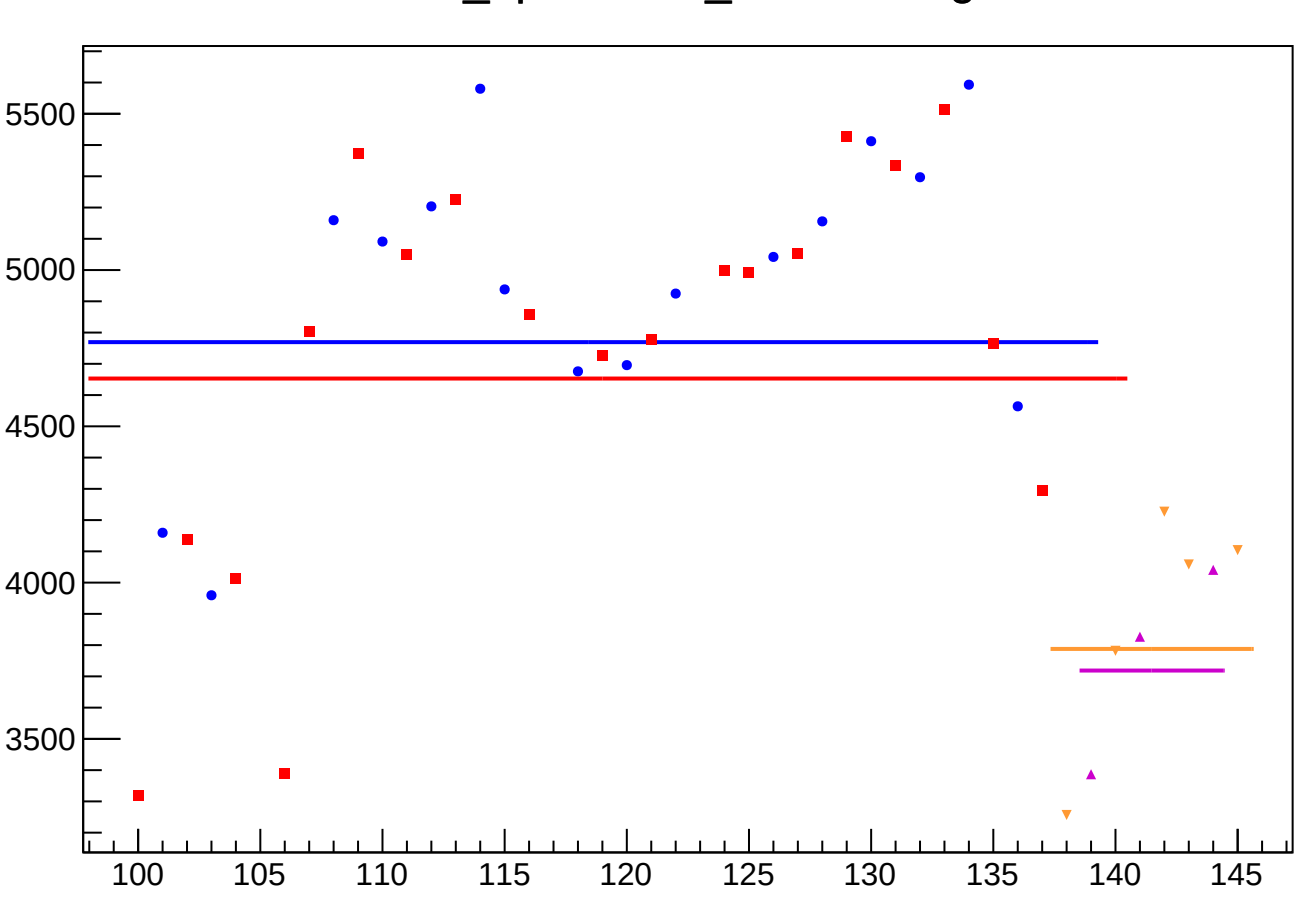
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -8.995+/-2.304 χ^2/NDF:2.8/2

+ sign 9.217+/-1.325 χ^2/NDF: 219.7/20

All: -1.137+/-0.954 χ^2/NDF: 436.1/42

- sign -12.283+/-1.375 χ^2/NDF: 89.7/21



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

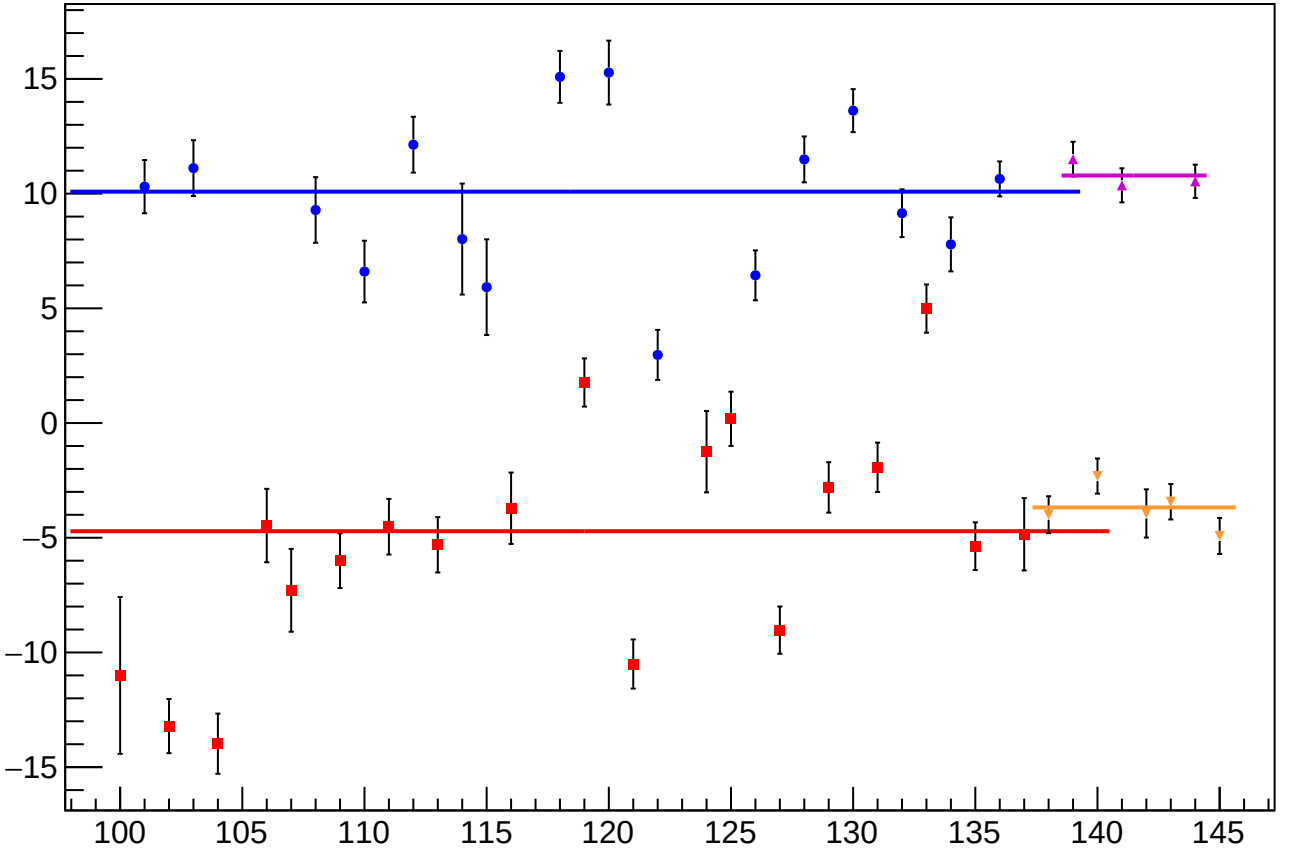
Left In: 3718.660+/-1.629 χ^2/NDF:28926.4/2

+ sign 4330.771+/-0.937 χ^2/NDF: 490636.0/20

All: 4325.687+/-0.675 χ^2/NDF: 996457.0/42

- sign 4320.215+/-0.972 χ^2/NDF: 505759.9/21

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

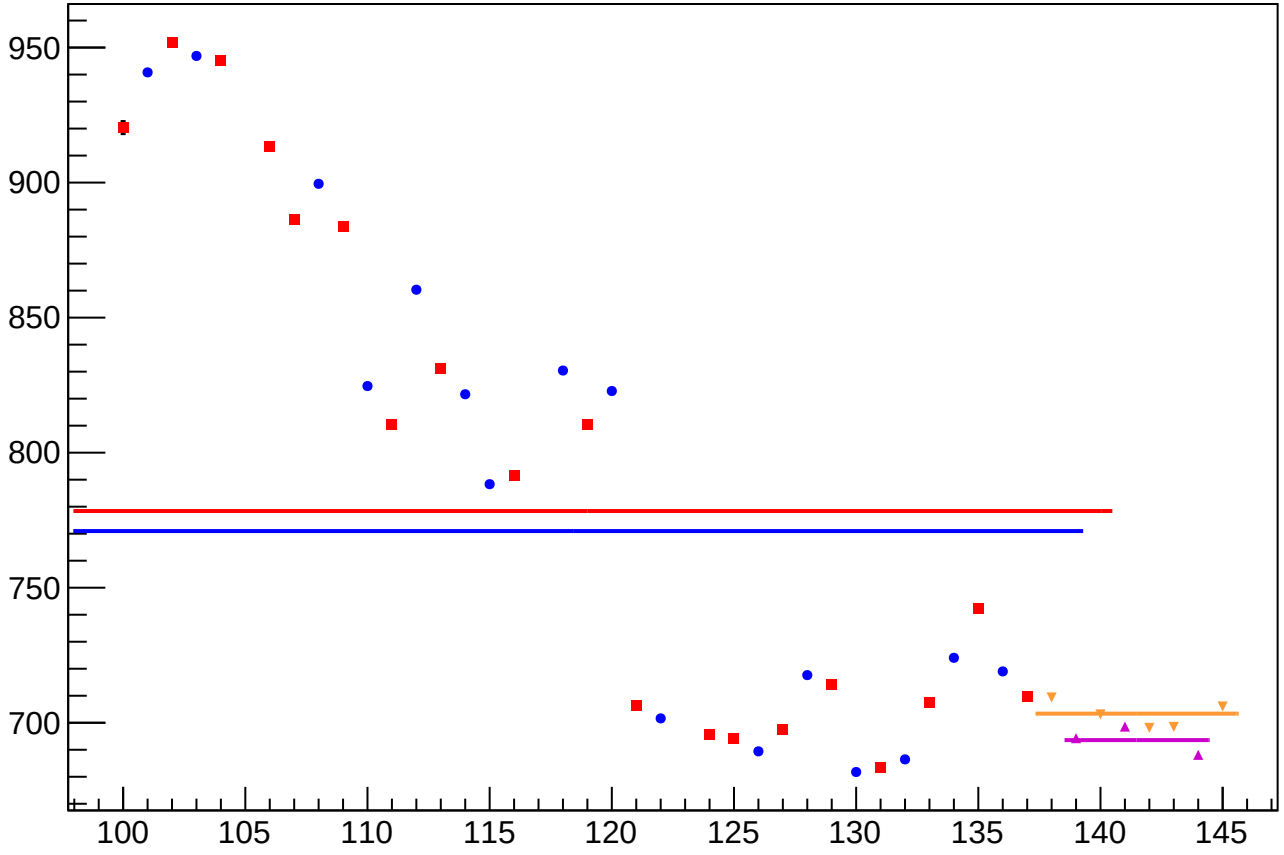
Left In: 10.790+/-0.428 χ^2/NDF:1.4/2

+ sign 4.821+/-0.227 χ^2/NDF: 1001.4/20

All: 2.559+/-0.164 χ^2/NDF: 2431.2/42

- sign 0.073+/-0.238 χ^2/NDF: 1220.7/21

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

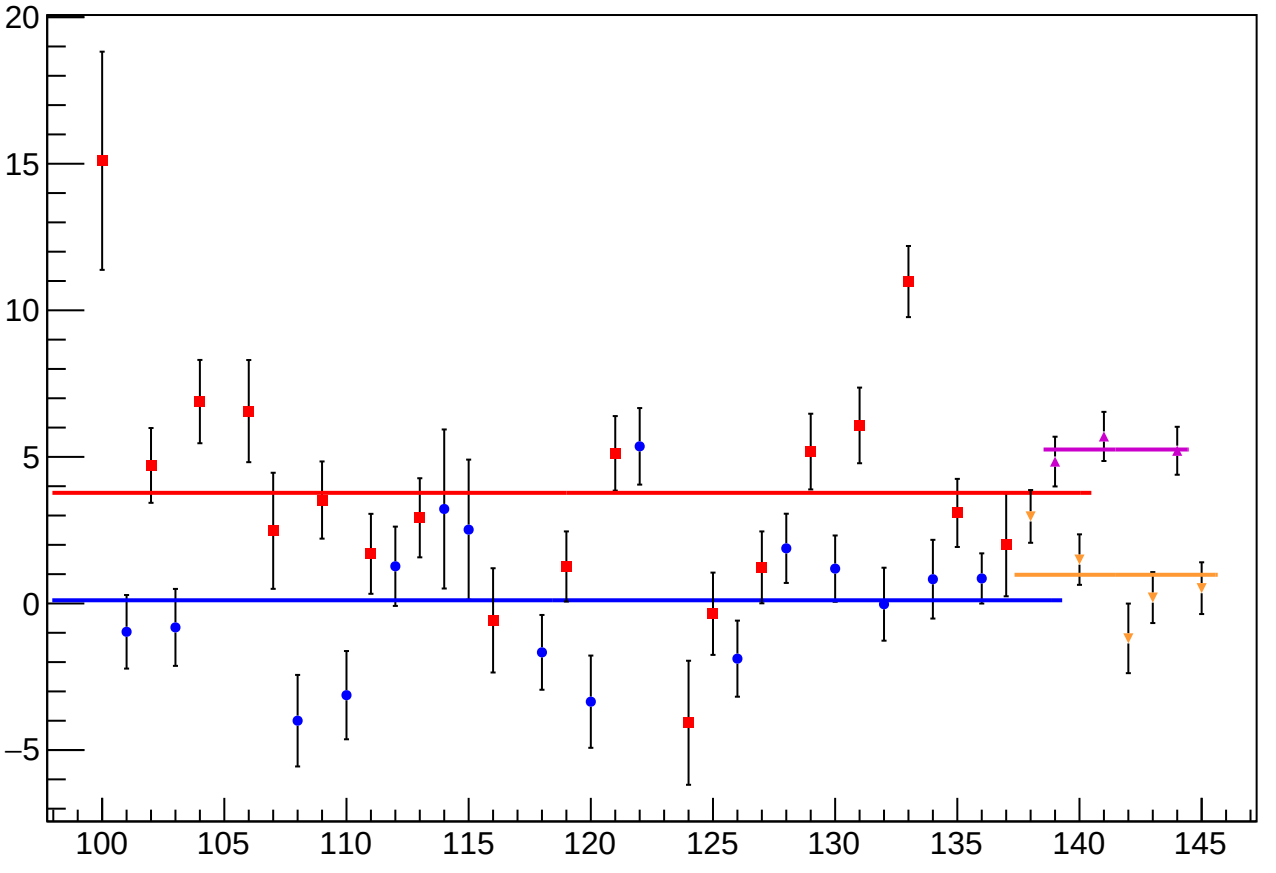
Left In: 693.573+/-0.302 χ^2/NDF:205.6/2

+ sign 745.116+/-0.160 χ^2/NDF: 235215.1/20

All: 748.491+/-0.116 χ^2/NDF: 487312.4/42

- sign 752.200+/-0.168 χ^2/NDF: 251166.1/21

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

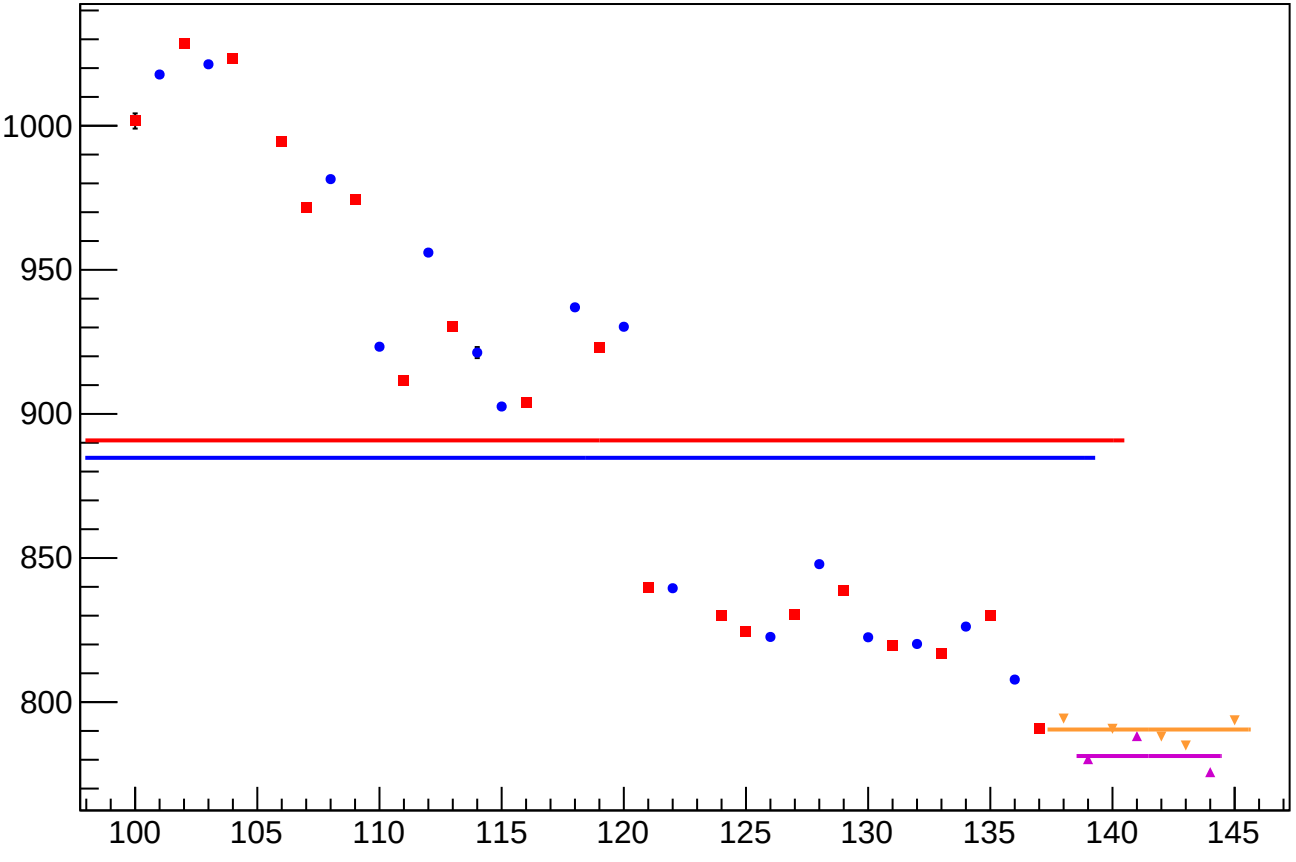
Left In: 5.252+/-0.482 χ^2/NDF:0.5/2

+ sign 0.449+/-0.257 χ^2/NDF: 57.8/20

All: 2.253+/-0.186 χ^2/NDF: 267.5/42

- sign 4.238+/-0.270 χ^2/NDF: 106.5/21

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

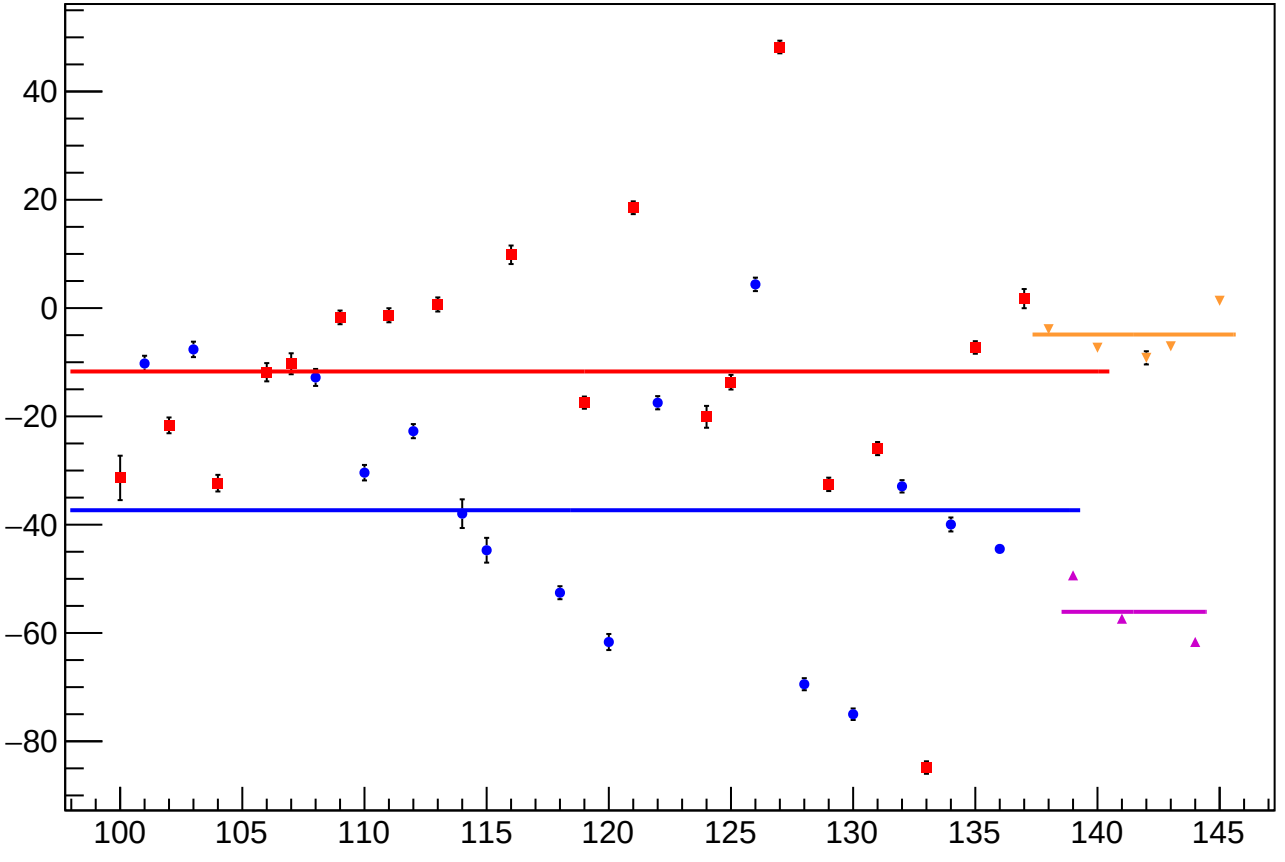
Left In: 781.297+/-0.341 χ^2/NDF:233.3/2

+ sign 847.904+/-0.182 χ^2/NDF: 168522.1/20

All: 851.948+/-0.132 χ^2/NDF: 348466.0/42

- sign 856.397+/-0.191 χ^2/NDF: 178907.2/21

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

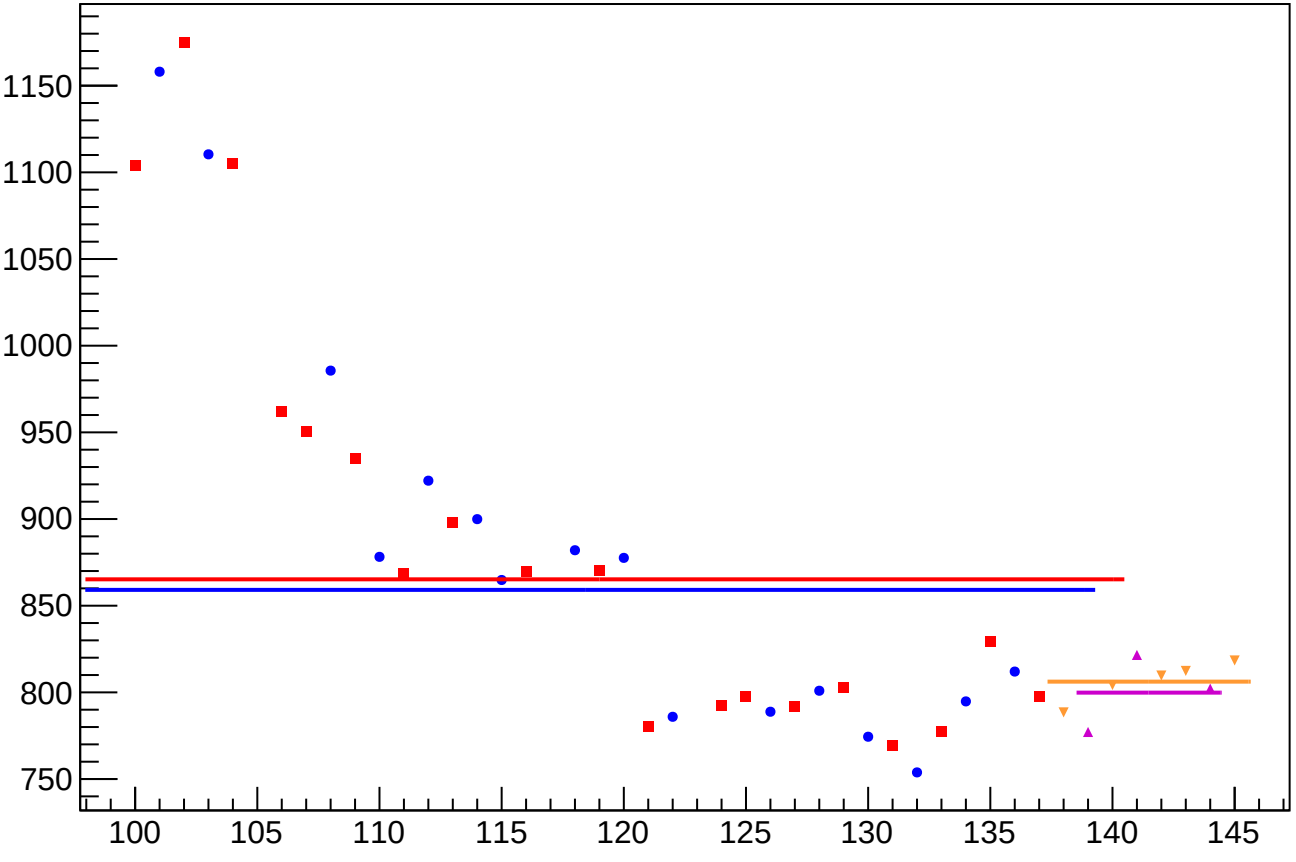
Left In: -56.093+/-0.493 χ^2/NDF:109.0/2

+ sign -25.320+/-0.255 χ^2/NDF: 9023.8/20

All: -25.042+/-0.185 χ^2/NDF: 23321.9/42

- sign -24.737+/-0.267 χ^2/NDF: 14295.6/21

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

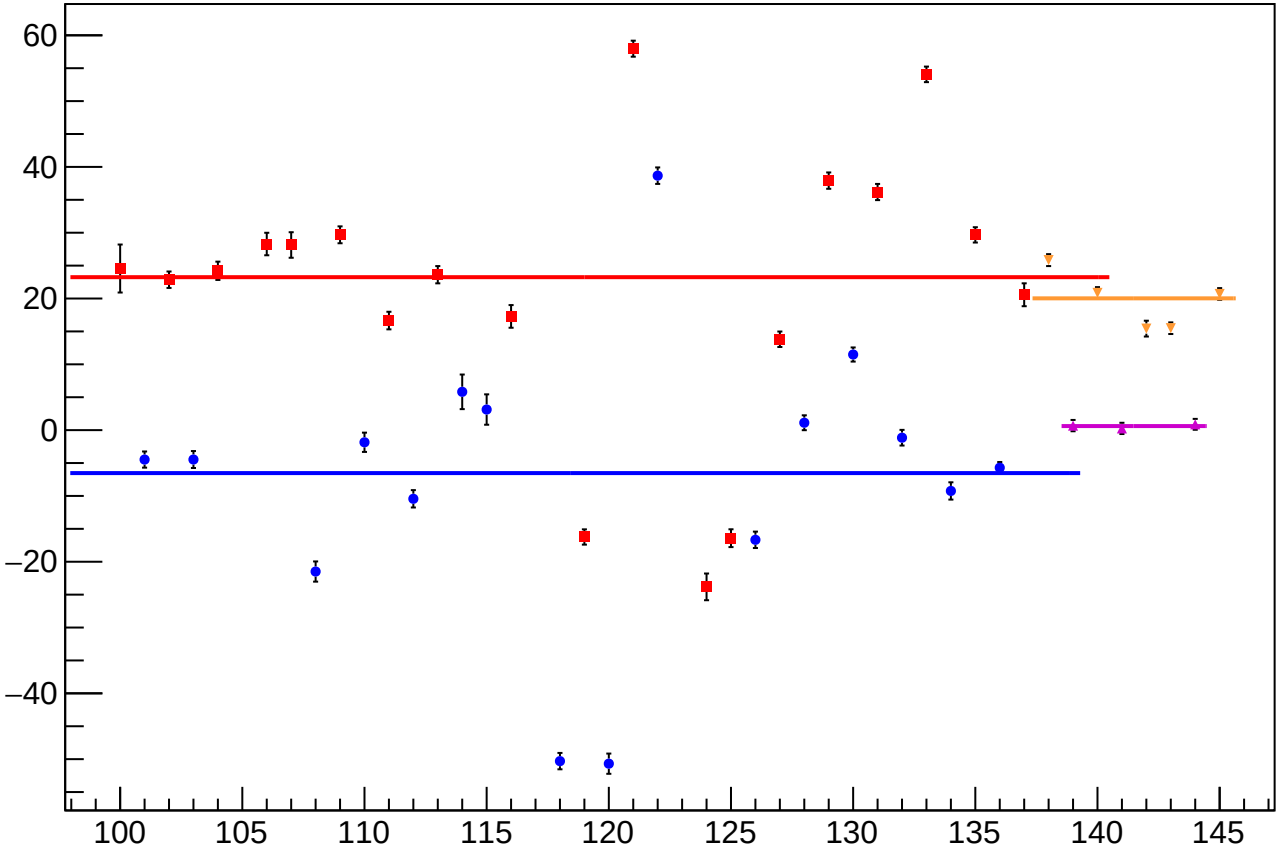
Left In: 799.845+/-0.349 χ^2/NDF:2700.1/2

\+ sign 839.533+/-0.181 χ^2/NDF: 250020.7/20

All: 842.630+/-0.131 χ^2/NDF: 501831.0/42

\- sign 846.022+/-0.189 χ^2/NDF: 251193.8/21

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

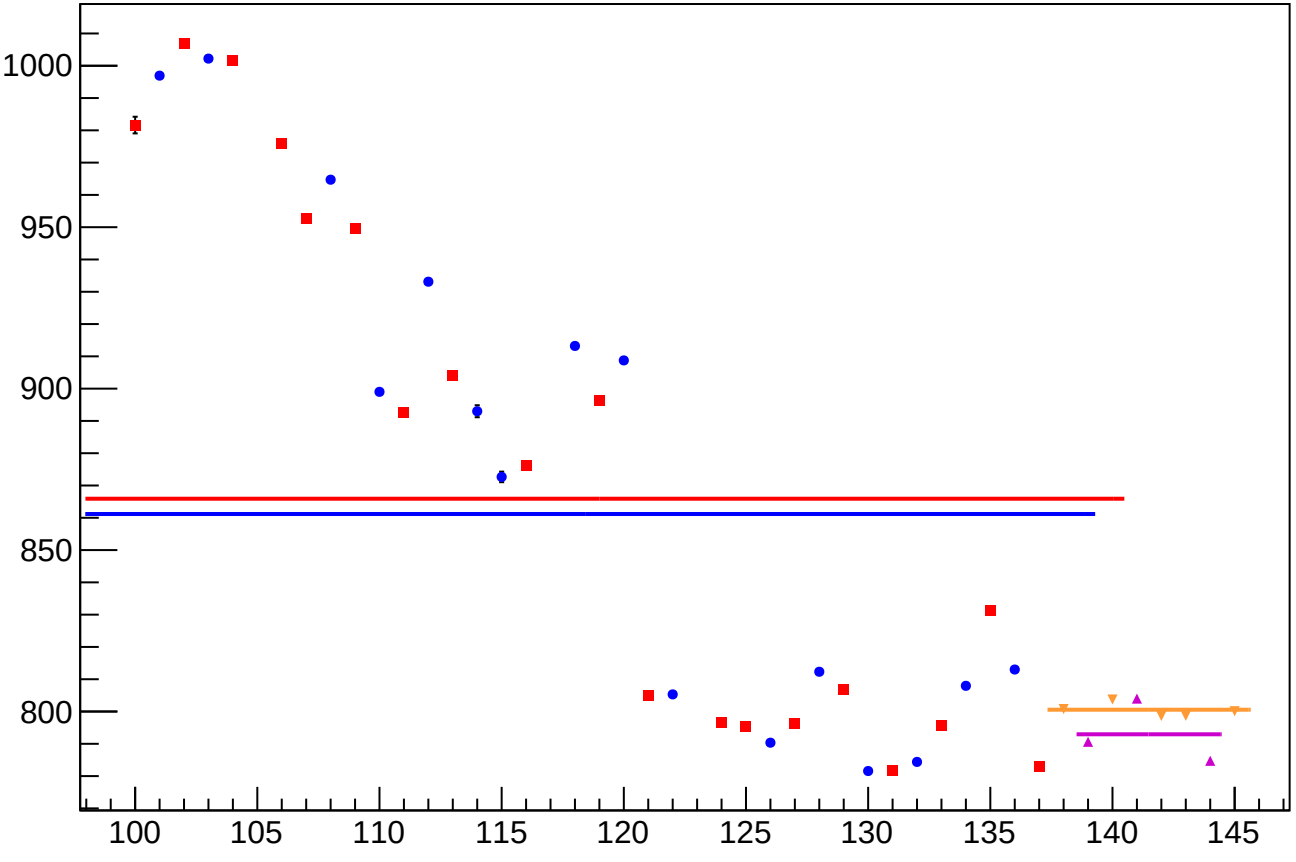
Left In: 0.617+/-0.489 χ^2/NDF:0.3/2

\+ sign 3.364+/-0.254 χ^2/NDF: 6576.0/20

All: 9.661+/-0.184 χ^2/NDF: 13836.9/42

\- sign 16.544+/-0.266 χ^2/NDF: 5978.7/21

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

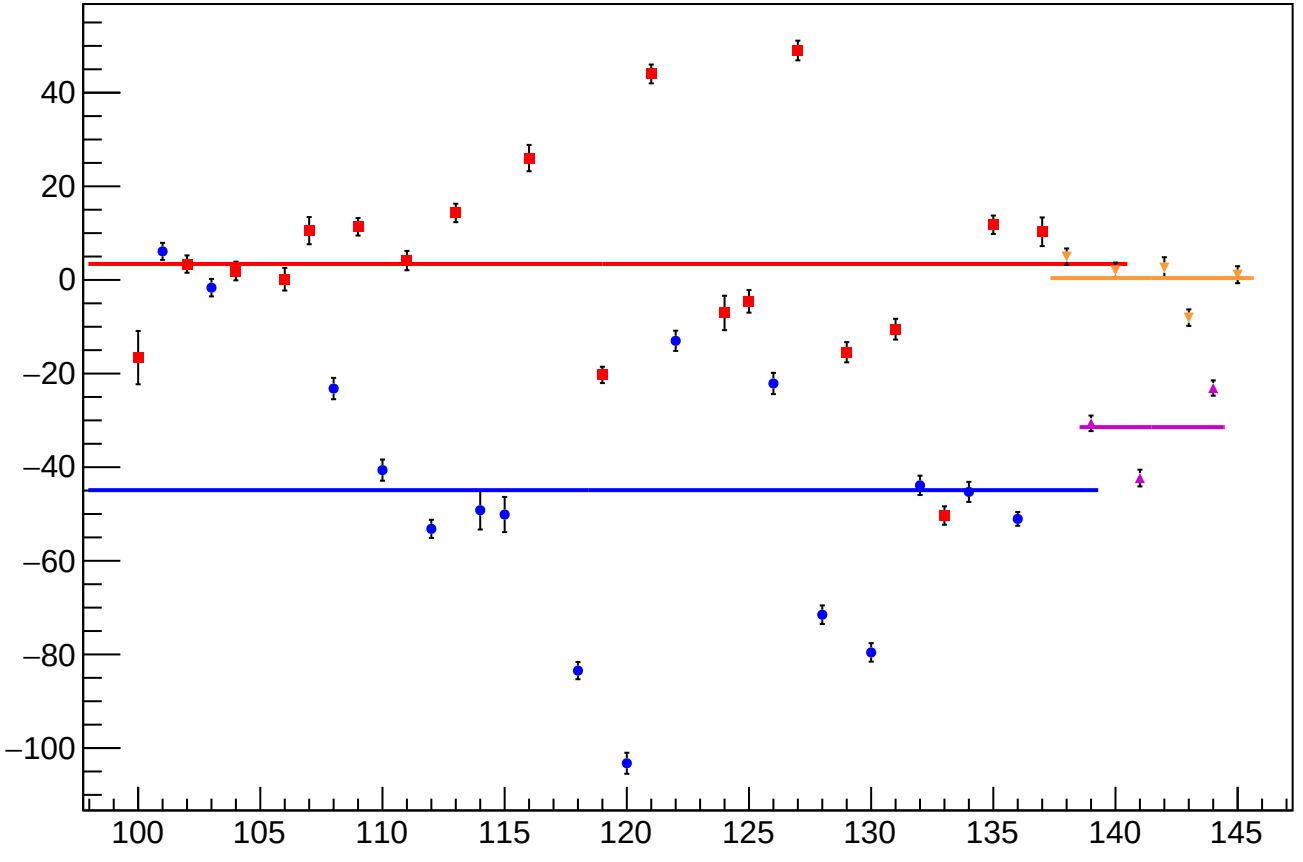
Left In: 792.947+/-0.346 χ^2/NDF:546.0/2

\+ sign 838.589+/-0.180 χ^2/NDF: 140104.8/20

All: 841.319+/-0.130 χ^2/NDF: 290917.7/42

\- sign 844.303+/-0.188 χ^2/NDF: 150330.8/21

diff_bpm0i02X_mean vs Slug



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

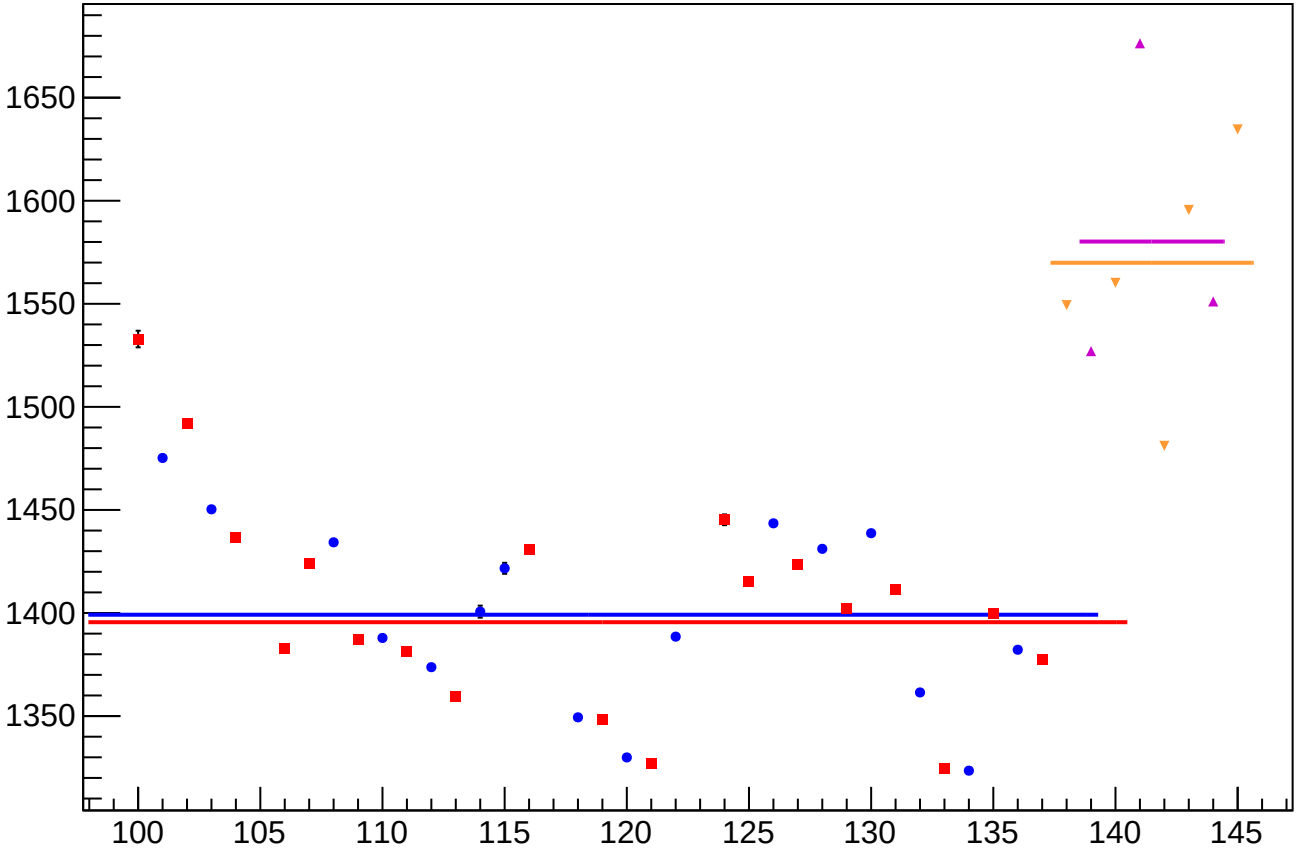
Left In: -31.437+/-0.976 χ^2/NDF:63.3/2

+ sign -31.864+/-0.439 χ^2/NDF: 5595.1/20

All: -18.348+/-0.315 χ^2/NDF: 10716.5/42

- sign -4.036+/-0.451 χ^2/NDF: 3167.4/21

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

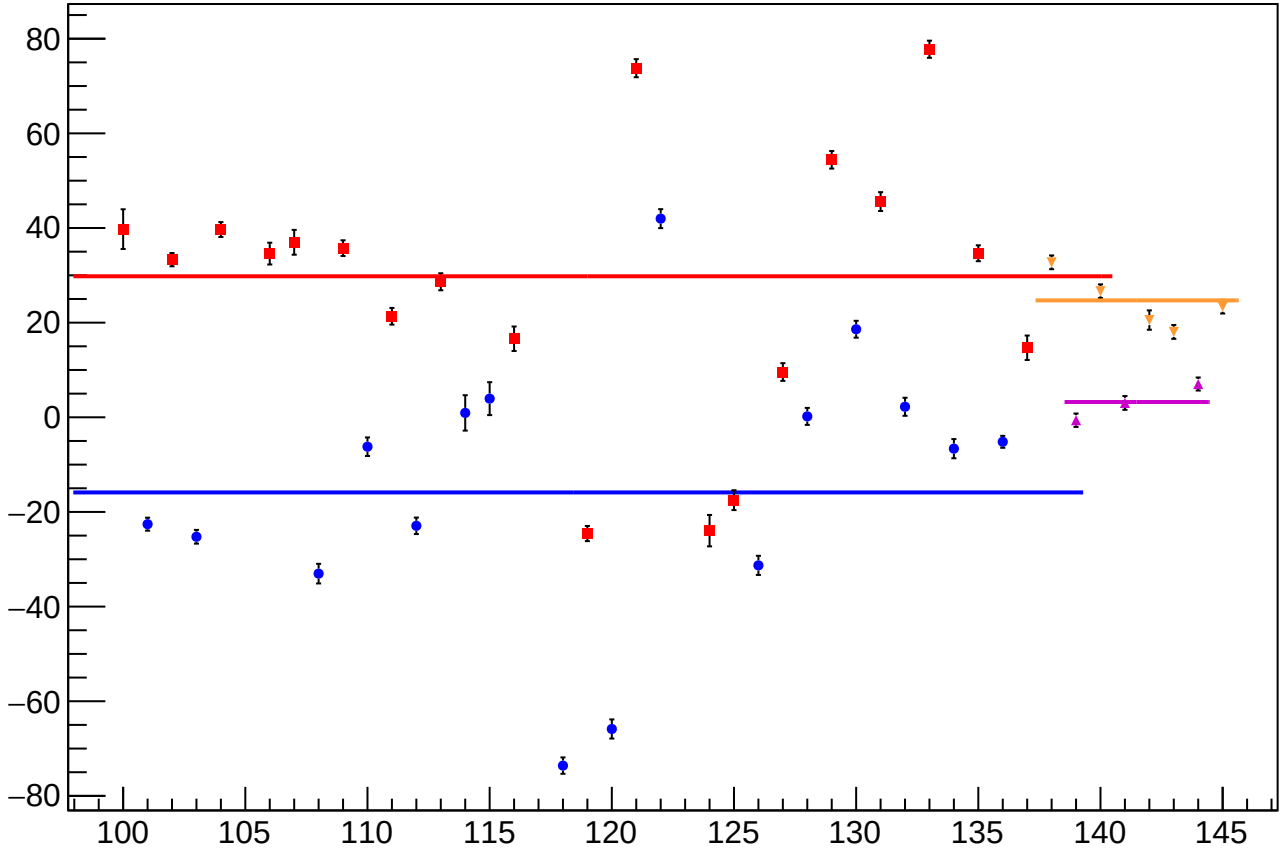
Left In: 1580.204+/-0.690 χ^2/NDF:8474.0/2

+ sign 1448.318+/-0.310 χ^2/NDF: 83406.5/20

All: 1441.864+/-0.222 χ^2/NDF: 165262.5/42

- sign 1435.030+/-0.319 χ^2/NDF: 80965.0/21

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

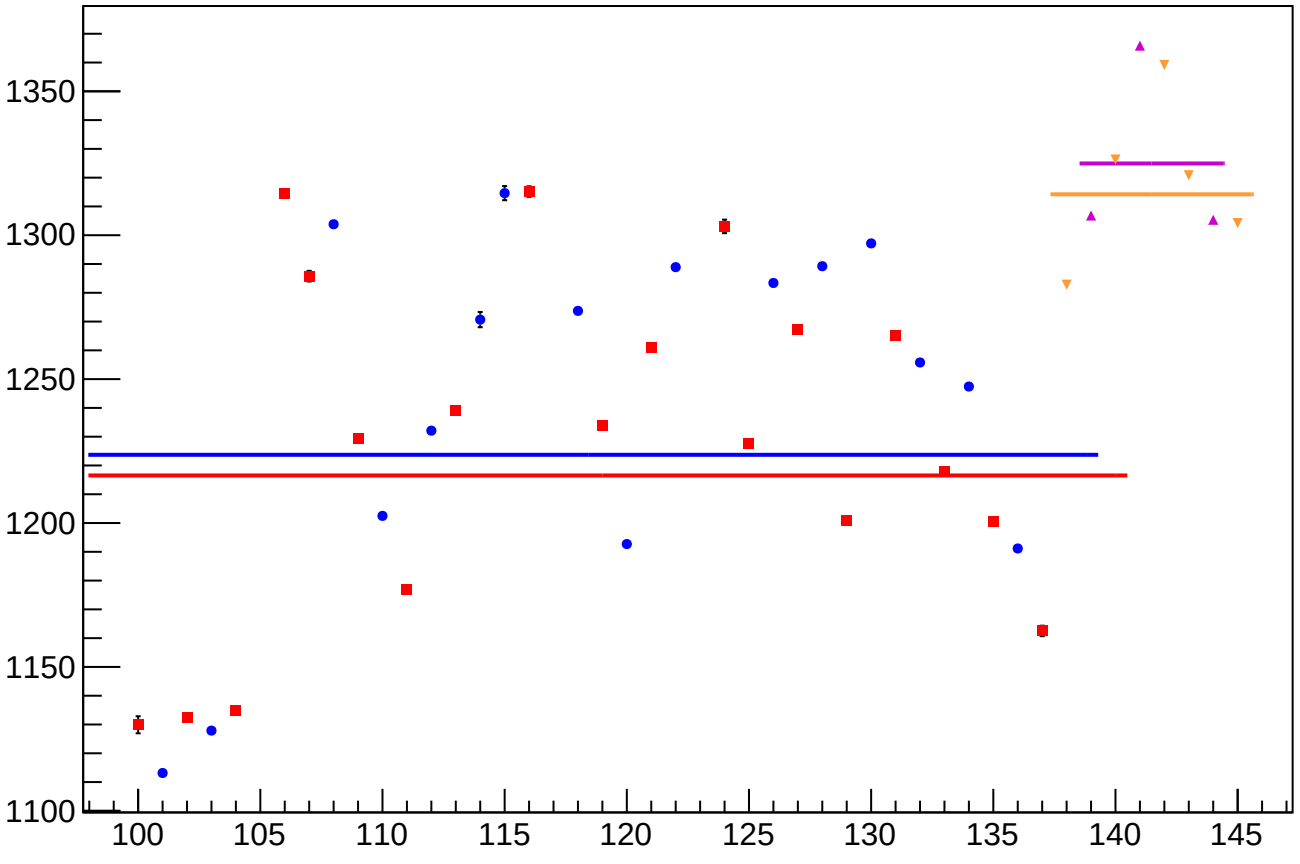
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 3.231+/-0.819 χ^2/NDF:15.0/2

\+ sign -3.434+/-0.379 χ^2/NDF: 5972.7/20

All: 9.755+/-0.272 χ^2/NDF: 12977.9/42

\- sign 23.754+/-0.391 χ^2/NDF: 4509.8/21



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

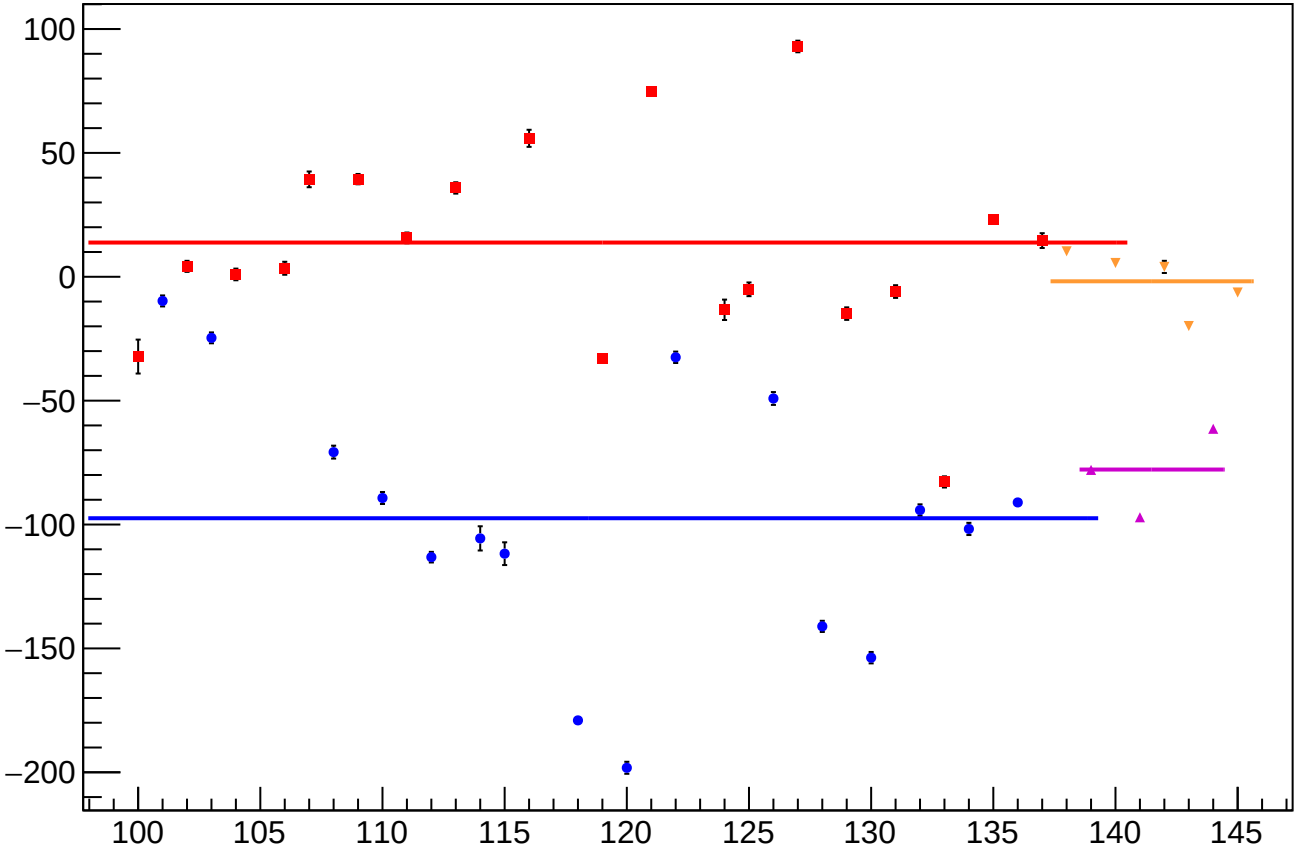
Left In: 1324.931+/-0.579 χ^2/NDF:2302.5/2

+ sign 1251.457+/-0.268 χ^2/NDF: 67299.2/20

All: 1246.481+/-0.192 χ^2/NDF: 126776.5/42

- sign 1241.200+/-0.276 χ^2/NDF: 58767.1/21

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

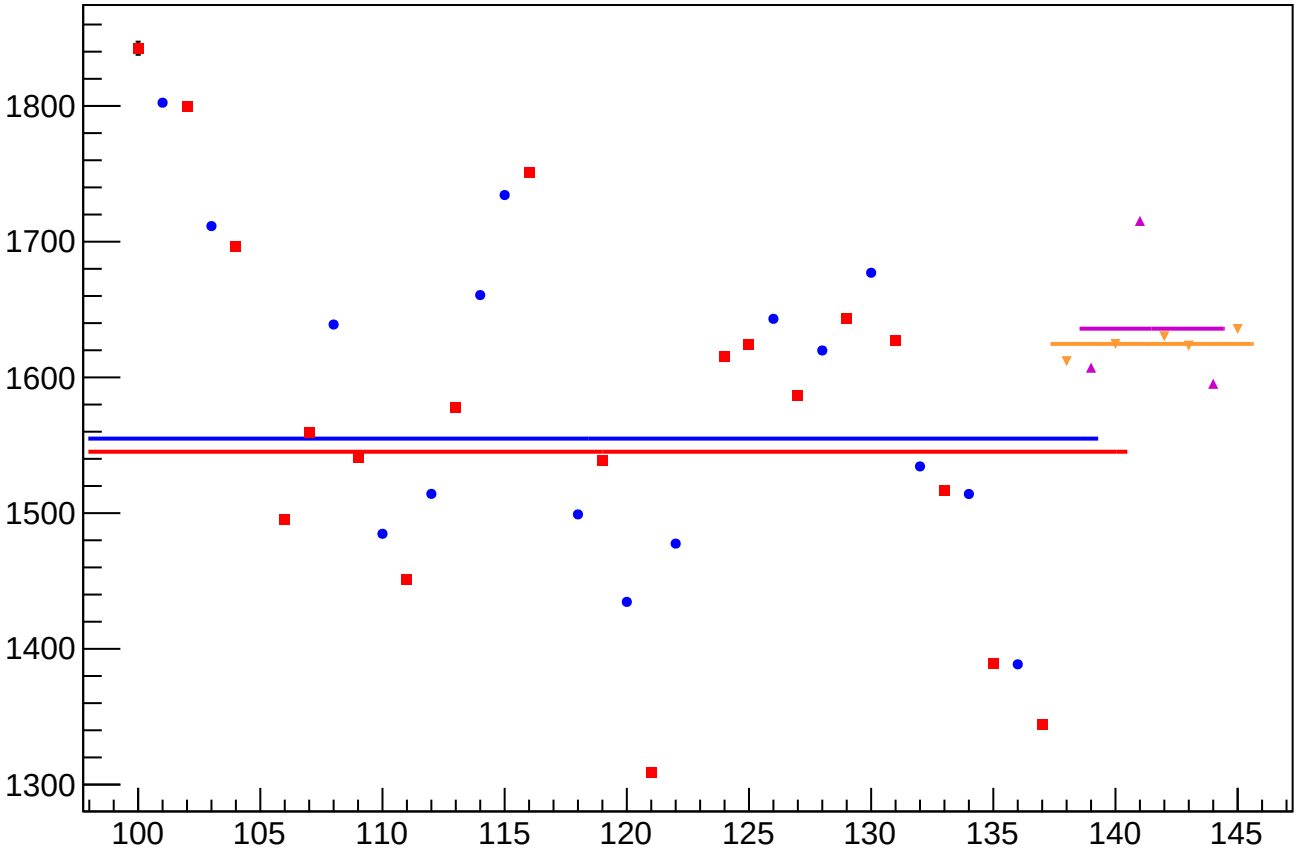
Left In: -77.802+/-1.011 χ^2/NDF:206.3/2

+ sign -66.917+/-0.478 χ^2/NDF: 17172.8/20

All: -38.421+/-0.343 χ^2/NDF: 36330.9/42

- sign -8.039+/-0.494 χ^2/NDF: 11816.1/21

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

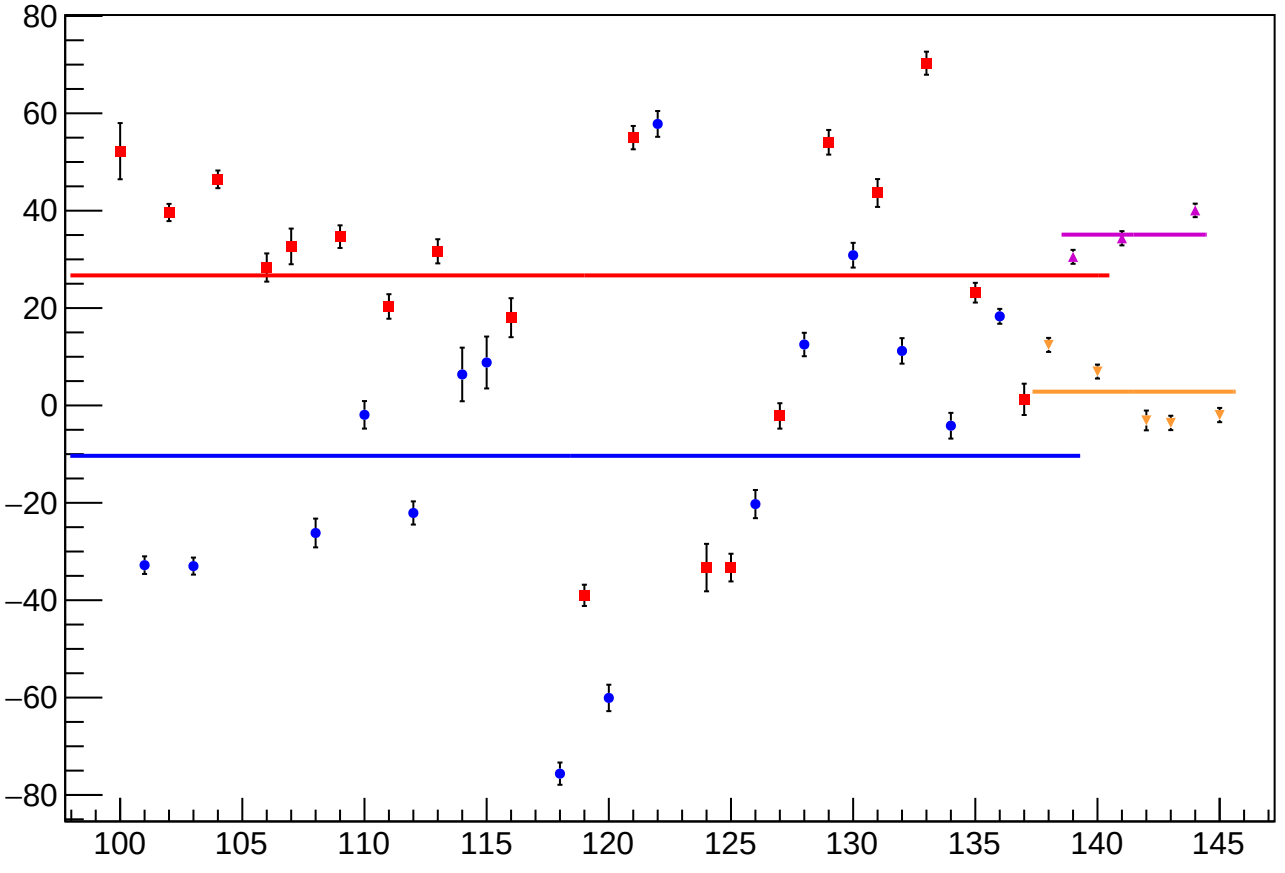
Left In: 1635.921+/-0.715 χ^2/NDF:5470.8/2

+ sign 1577.189+/-0.338 χ^2/NDF: 97363.3/20

All: 1572.195+/-0.243 χ^2/NDF: 224335.1/42

- sign 1566.870+/-0.349 χ^2/NDF: 126520.8/21

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

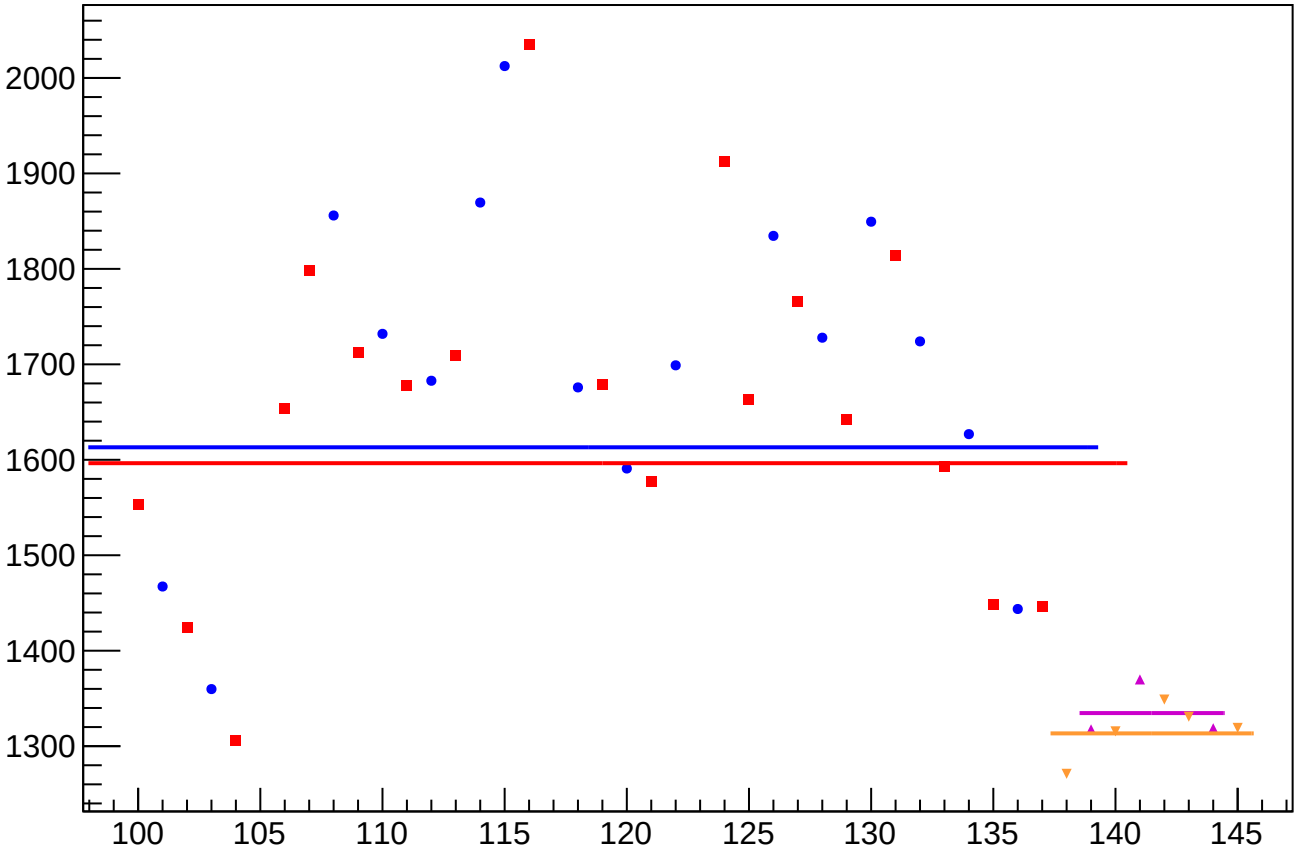
Left In: 35.080+/-0.824 χ^2/NDF:23.2/2

\+ sign -4.585+/-0.453 χ^2/NDF: 3306.3/20

All: 11.540+/-0.329 χ^2/NDF: 8624.7/42

\- sign 29.521+/-0.478 χ^2/NDF: 2632.4/21

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

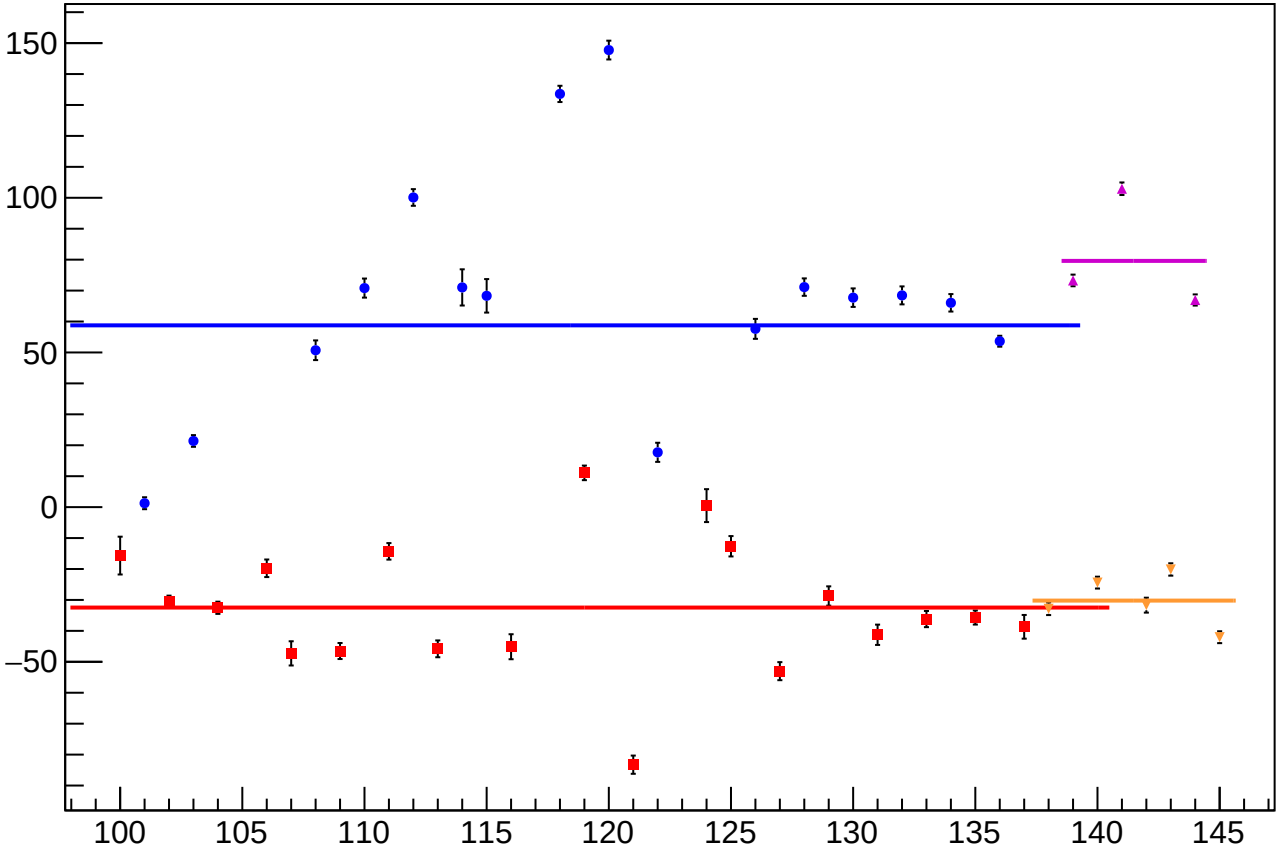
Left In: 1334.662+/-0.583 χ^2/NDF:1707.1/2

\+ sign 1482.081+/-0.320 χ^2/NDF: 373243.6/20

All: 1494.574+/-0.232 χ^2/NDF: 672799.4/42

\- sign 1508.505+/-0.338 χ^2/NDF: 296331.4/21

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

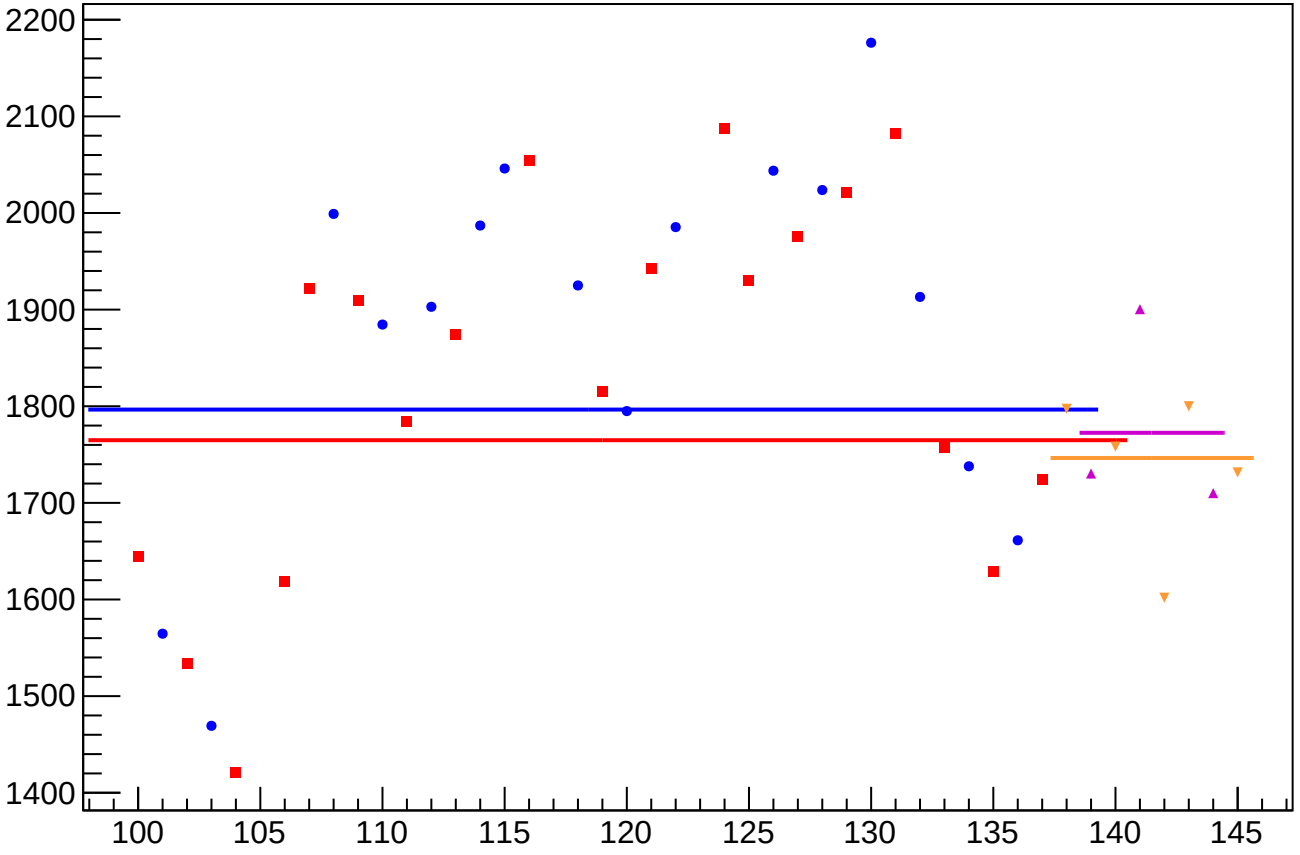
Left In: 79.599+/-1.097 χ^2/NDF:192.4/2

+ sign 27.380+/-0.541 χ^2/NDF: 9692.3/20

All: 12.453+/-0.388 χ^2/NDF: 20124.5/42

- sign -3.435+/-0.558 χ^2/NDF: 8860.7/21

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

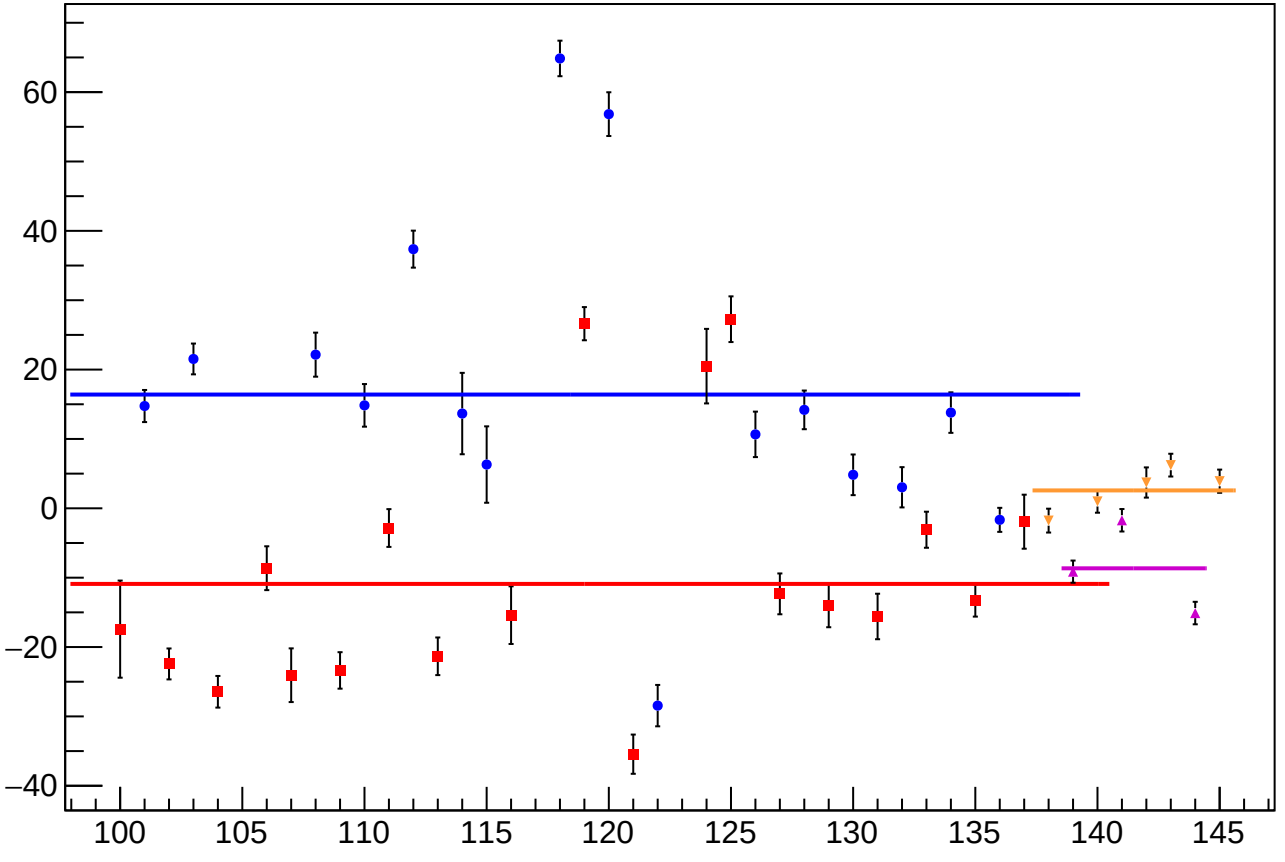
Left In: 1772.520+/-0.775 χ^2/NDF:11339.1/2

+ sign 1778.888+/-0.383 χ^2/NDF: 207143.7/20

All: 1773.054+/-0.275 χ^2/NDF: 409023.1/42

- sign 1766.844+/-0.395 χ^2/NDF: 201399.3/21

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

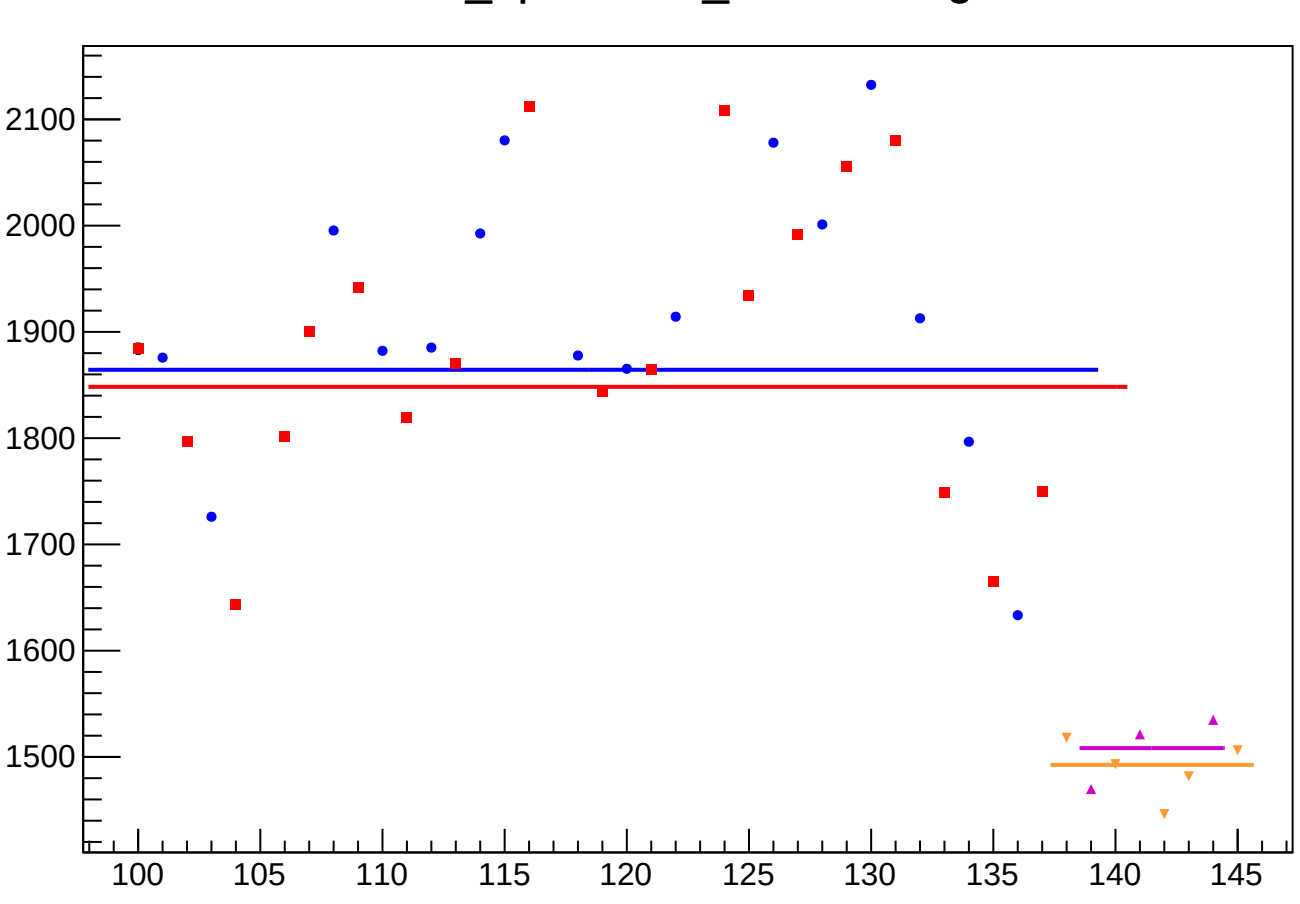
Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: -8.652+/-0.931 χ^2/NDF:34.2/2

+ sign 10.259+/-0.518 χ^2/NDF: 1161.9/20

All: 0.624+/-0.376 χ^2/NDF: 2573.3/42

- sign -10.123+/-0.547 χ^2/NDF: 679.8/21



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

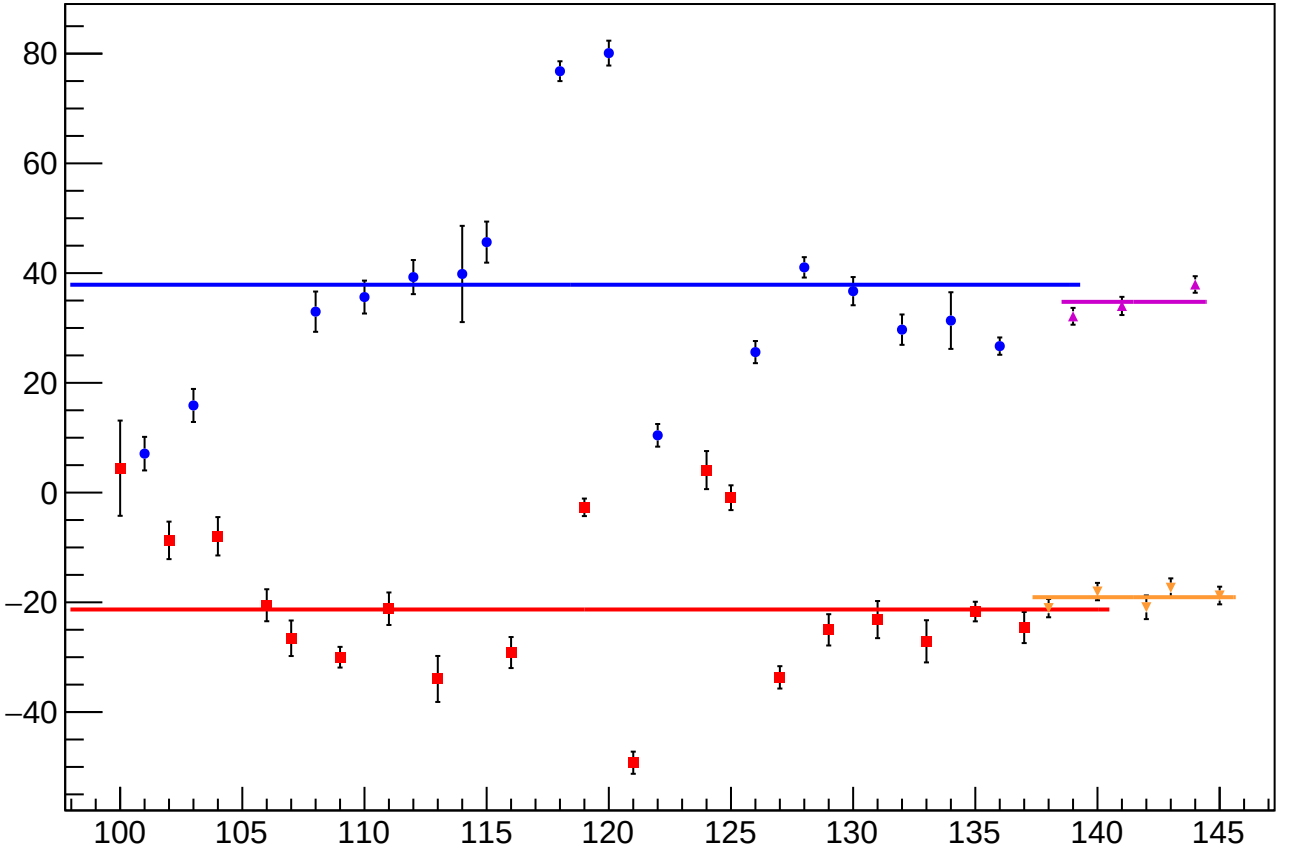
Left In: 1508.303+/-0.658 χ^2/NDF:1833.3/2

+ sign 1699.130+/-0.366 χ^2/NDF: 339235.3/20

All: 1714.126+/-0.266 χ^2/NDF: 594171.2/42

- sign 1730.853+/-0.387 χ^2/NDF: 251390.8/21

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

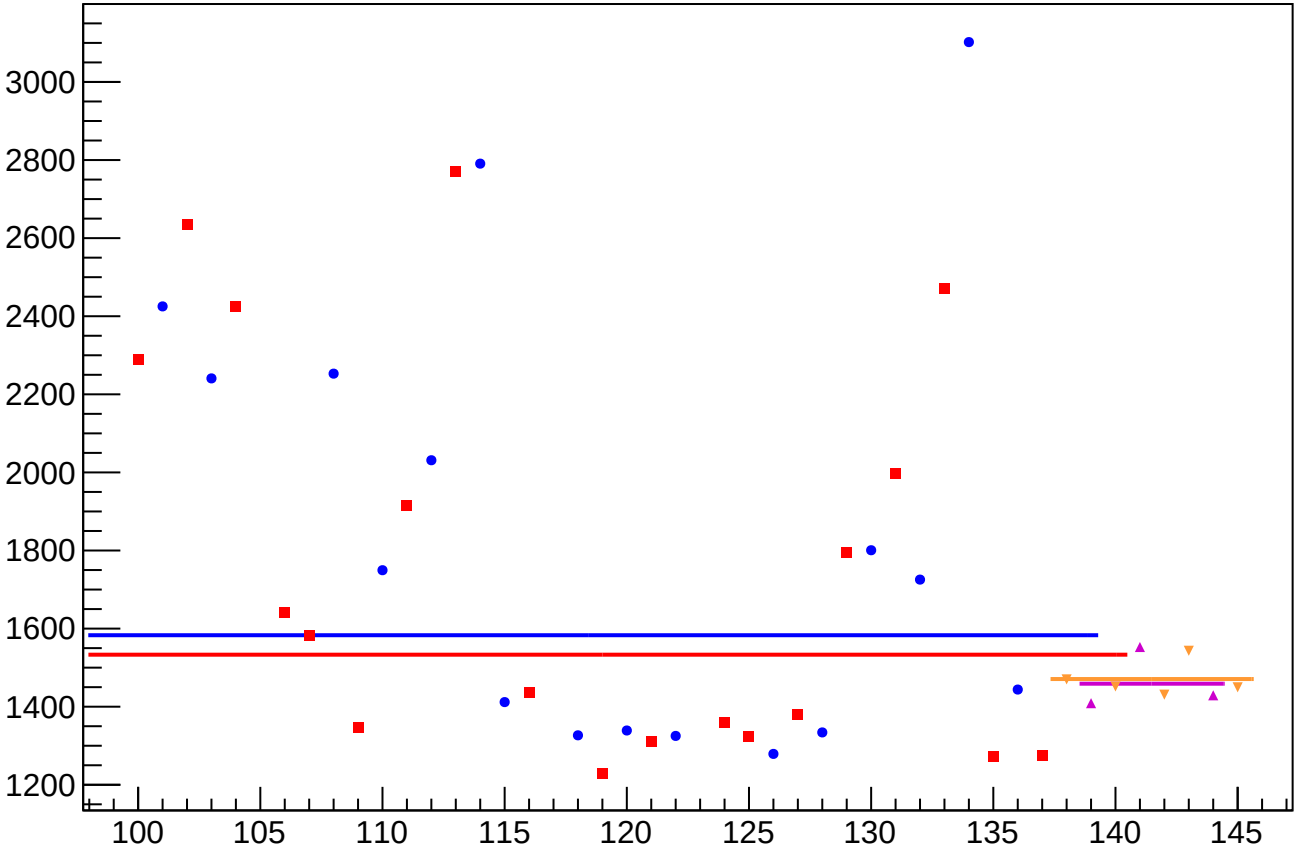
Left In: 34.761+/-0.902 χ^2/NDF:7.6/2

+ sign 15.258+/-0.483 χ^2/NDF: 4579.3/20

All: 5.684+/-0.346 χ^2/NDF: 8674.0/42

- sign -4.381+/-0.495 χ^2/NDF: 3289.3/21

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

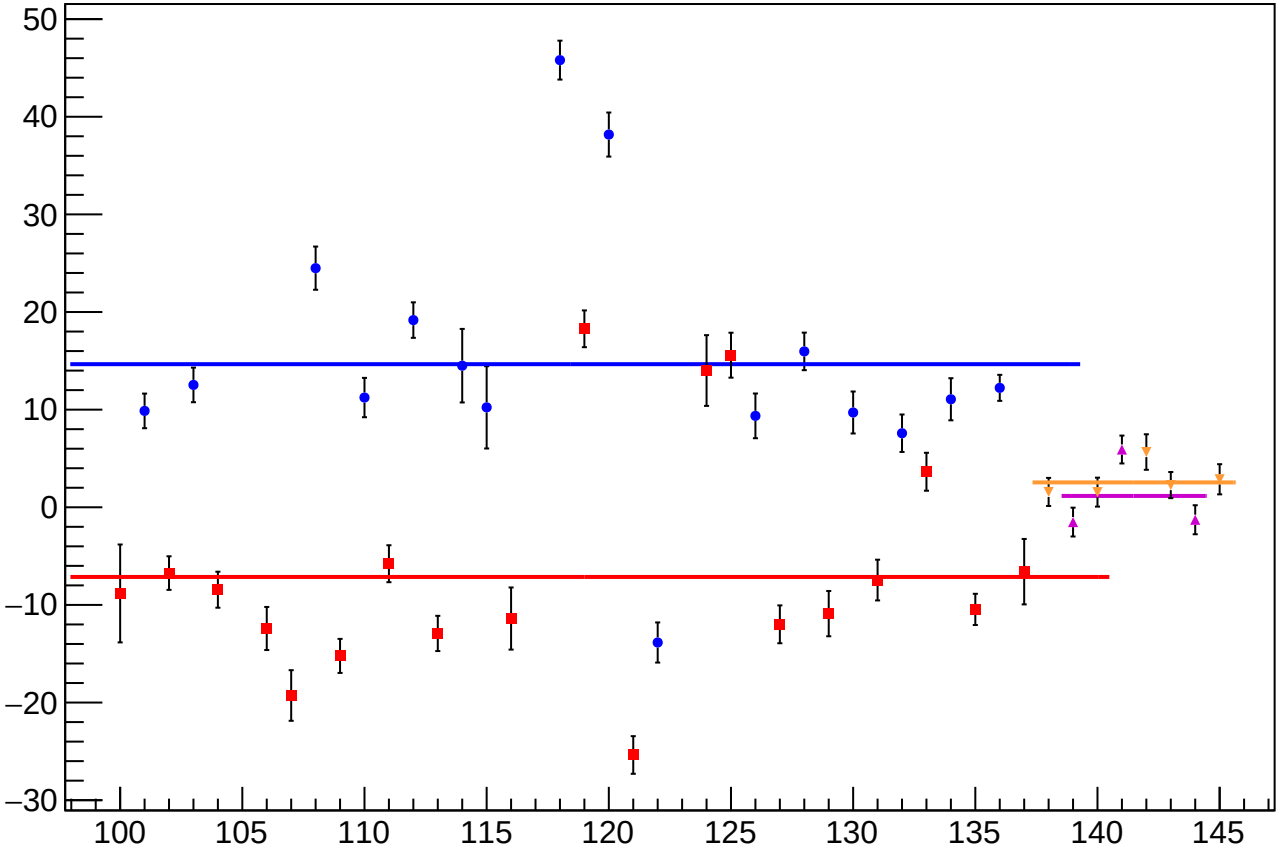
Left In: 1458.884+/-0.638 χ^2/NDF:9338.5/2

+ sign 1538.471+/-0.342 χ^2/NDF: 818403.2/20

All: 1524.961+/-0.245 χ^2/NDF: 1791207.7/42

- sign 1510.759+/-0.350 χ^2/NDF: 969597.5/21

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

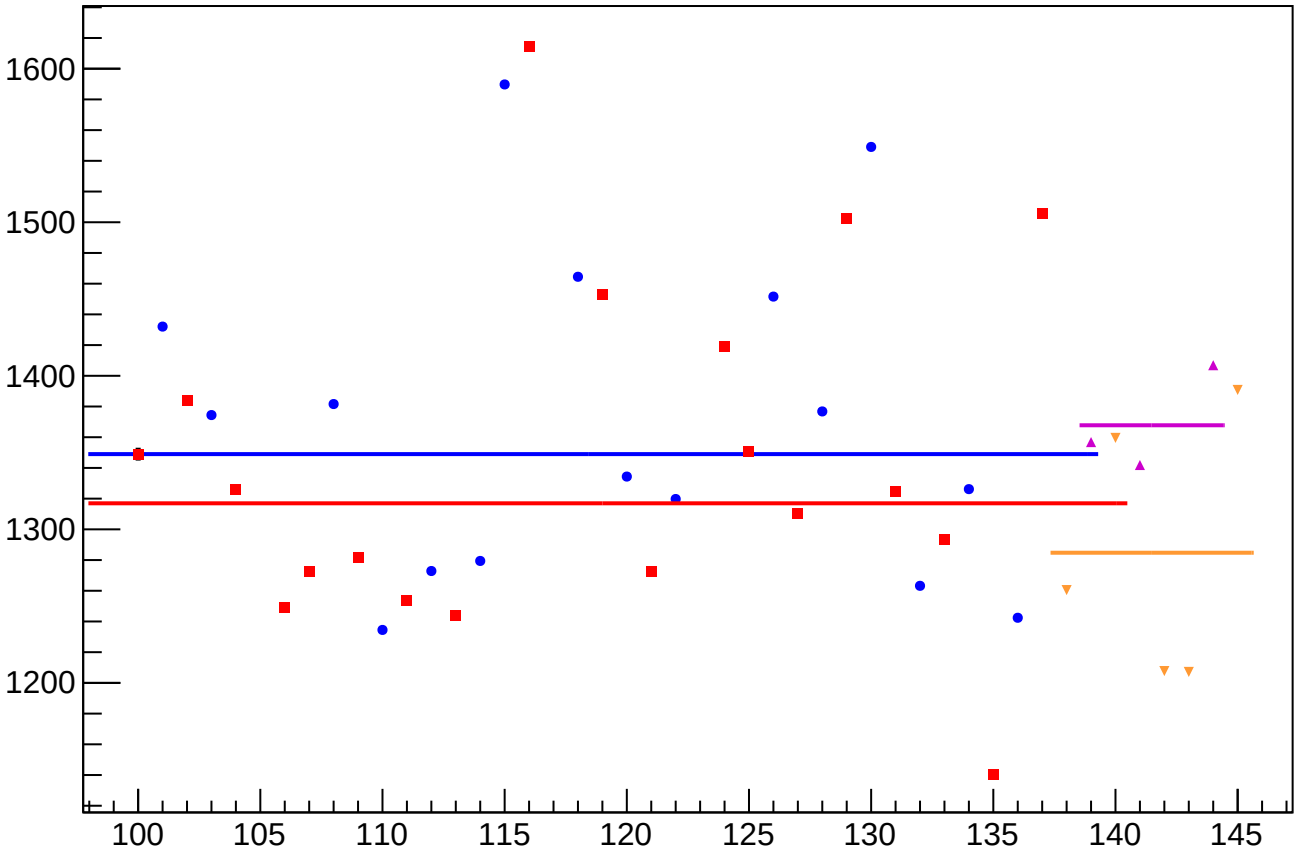
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 1.162+/-0.844 χ^2/NDF:17.1/2

+ sign 10.288+/-0.403 χ^2/NDF: 826.6/20

All: 2.900+/-0.291 χ^2/NDF: 2124.2/42

- sign -5.088+/-0.419 χ^2/NDF: 599.2/21



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

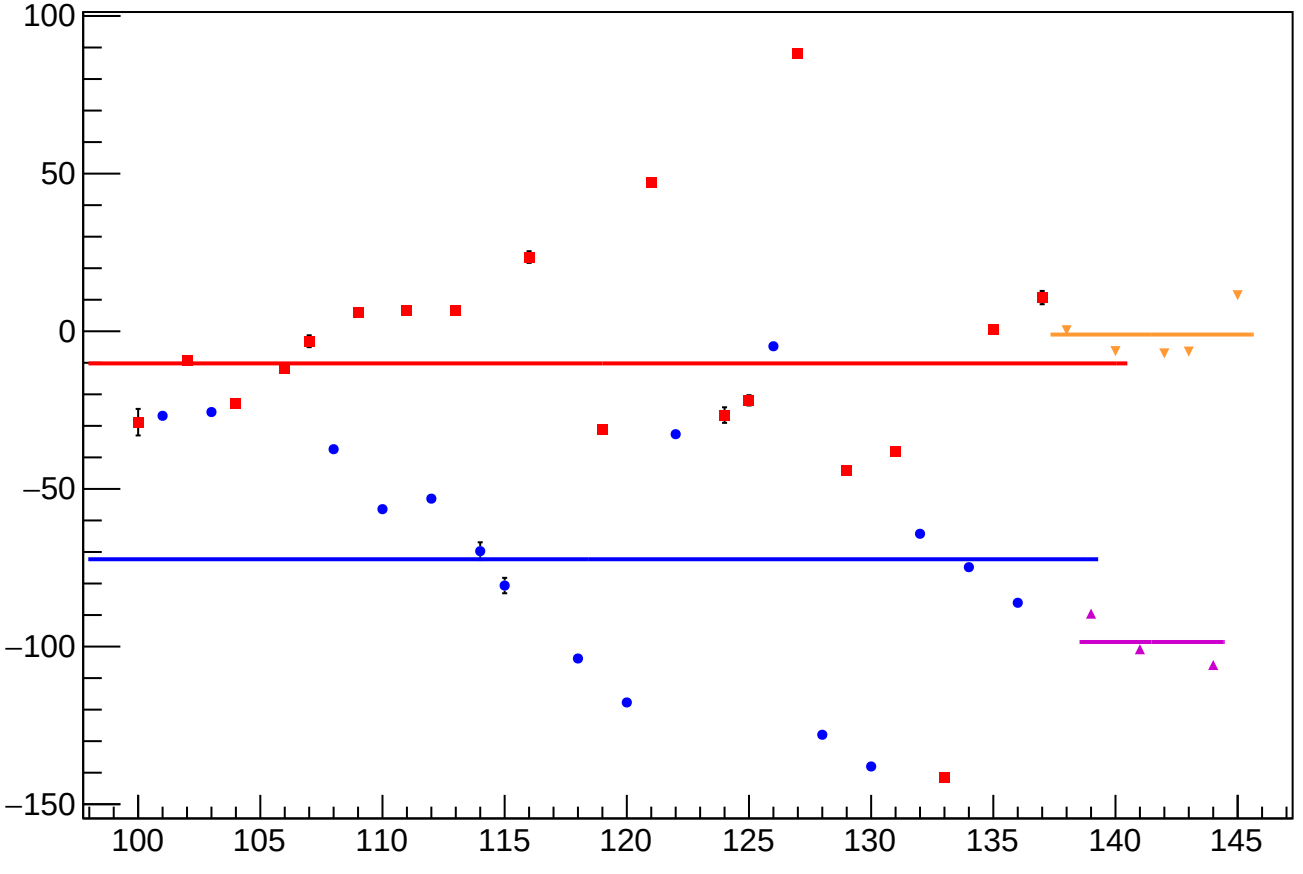
Left In: 1367.781+/-0.597 χ^2/NDF:2153.1/2

+ sign 1325.827+/-0.285 χ^2/NDF: 105482.3/20

All: 1327.590+/-0.206 χ^2/NDF: 200046.0/42

- sign 1329.496+/-0.297 χ^2/NDF: 94484.2/21

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

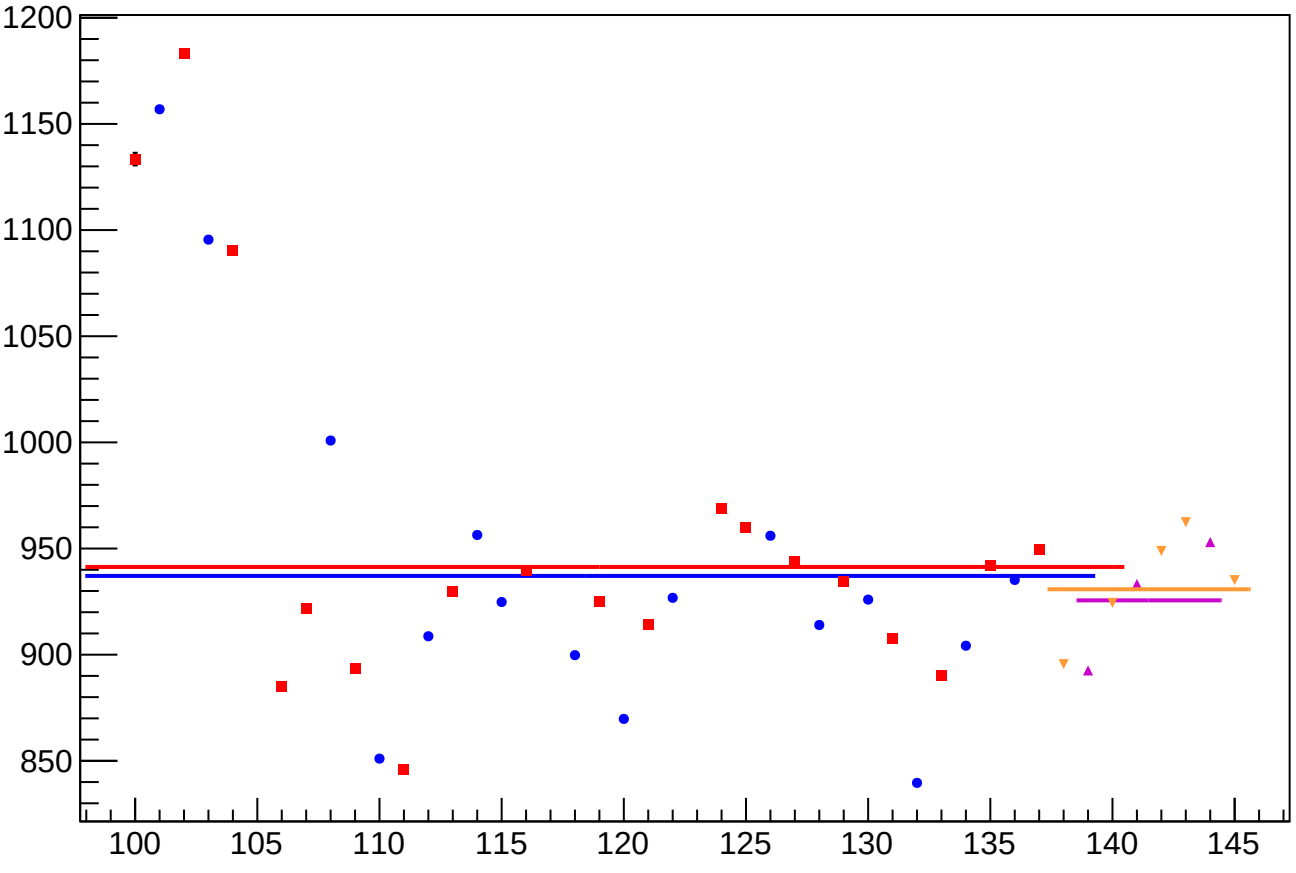
Left In: -98.545+/-0.571 χ^2/NDF:144.0/2

+ sign -47.925+/-0.283 χ^2/NDF: 26597.5/20

All: -41.136+/-0.204 χ^2/NDF: 64545.1/42

- sign -33.784+/-0.295 χ^2/NDF: 36752.6/21

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

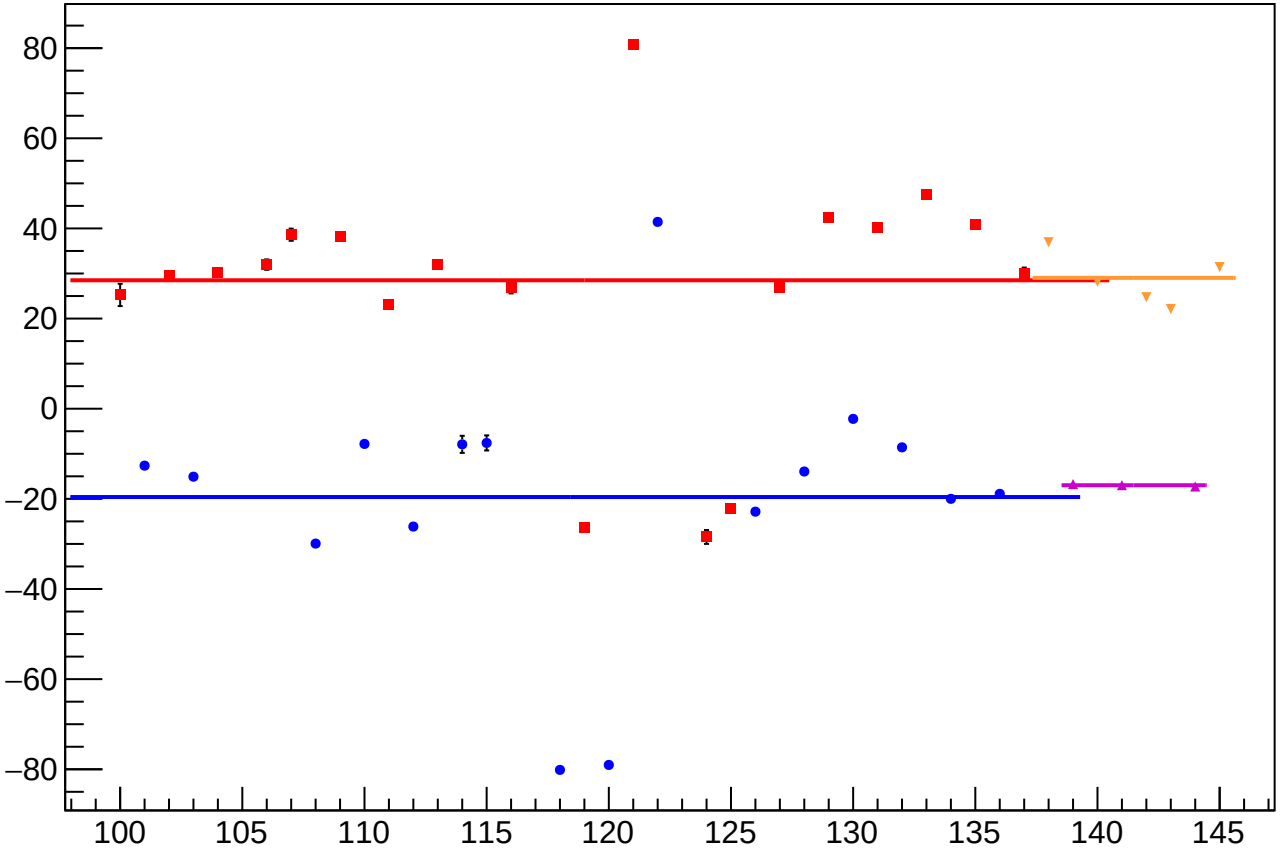
Left In: 925.586+/-0.404 χ^2/NDF:3931.1/2

+ sign 934.947+/-0.200 χ^2/NDF: 109496.2/20

All: 935.991+/-0.145 χ^2/NDF: 215629.2/42

- sign 937.121+/-0.209 χ^2/NDF: 106076.6/21

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

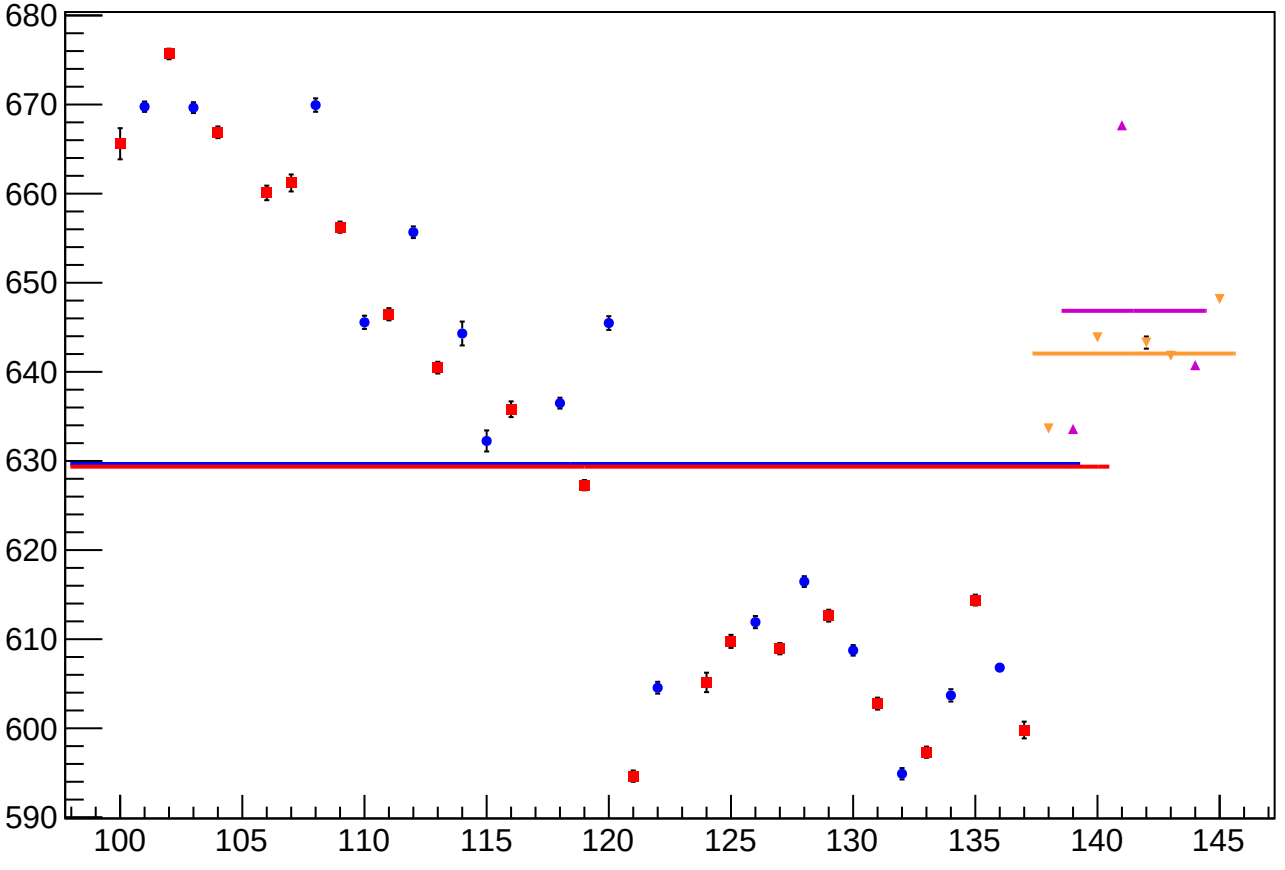
Left In: -16.980+/-0.399 χ^2/NDF:0.3/2

+ sign -3.590+/-0.192 χ^2/NDF: 27627.5/20

All: 6.401+/-0.138 χ^2/NDF: 56006.7/42

- sign 17.170+/-0.199 χ^2/NDF: 22735.2/21

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

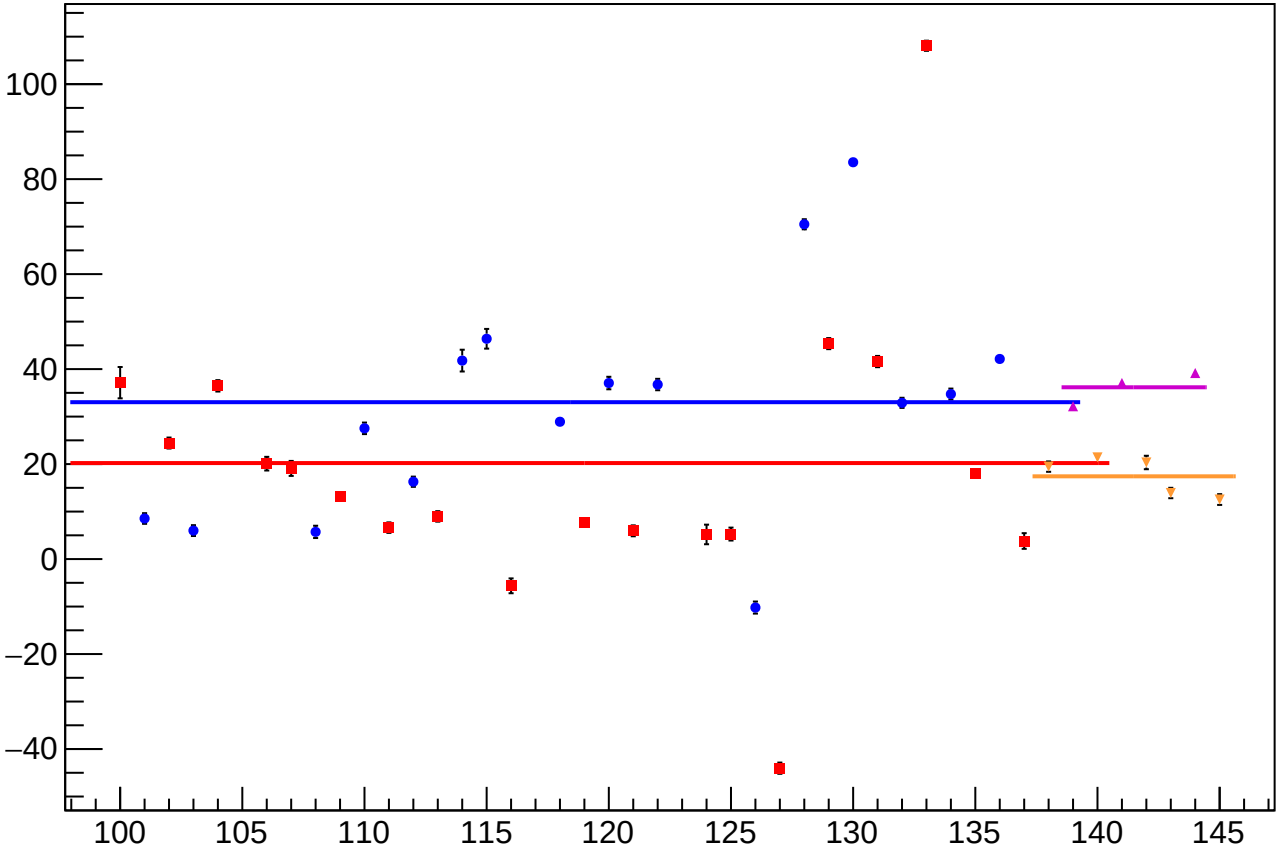
Left In: 646.850+/-0.282 χ^2/NDF:2625.7/2

+ sign 633.740+/-0.136 χ^2/NDF: 27597.9/20

All: 633.729+/-0.098 χ^2/NDF: 59903.2/42

- sign 633.717+/-0.141 χ^2/NDF: 32305.2/21

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

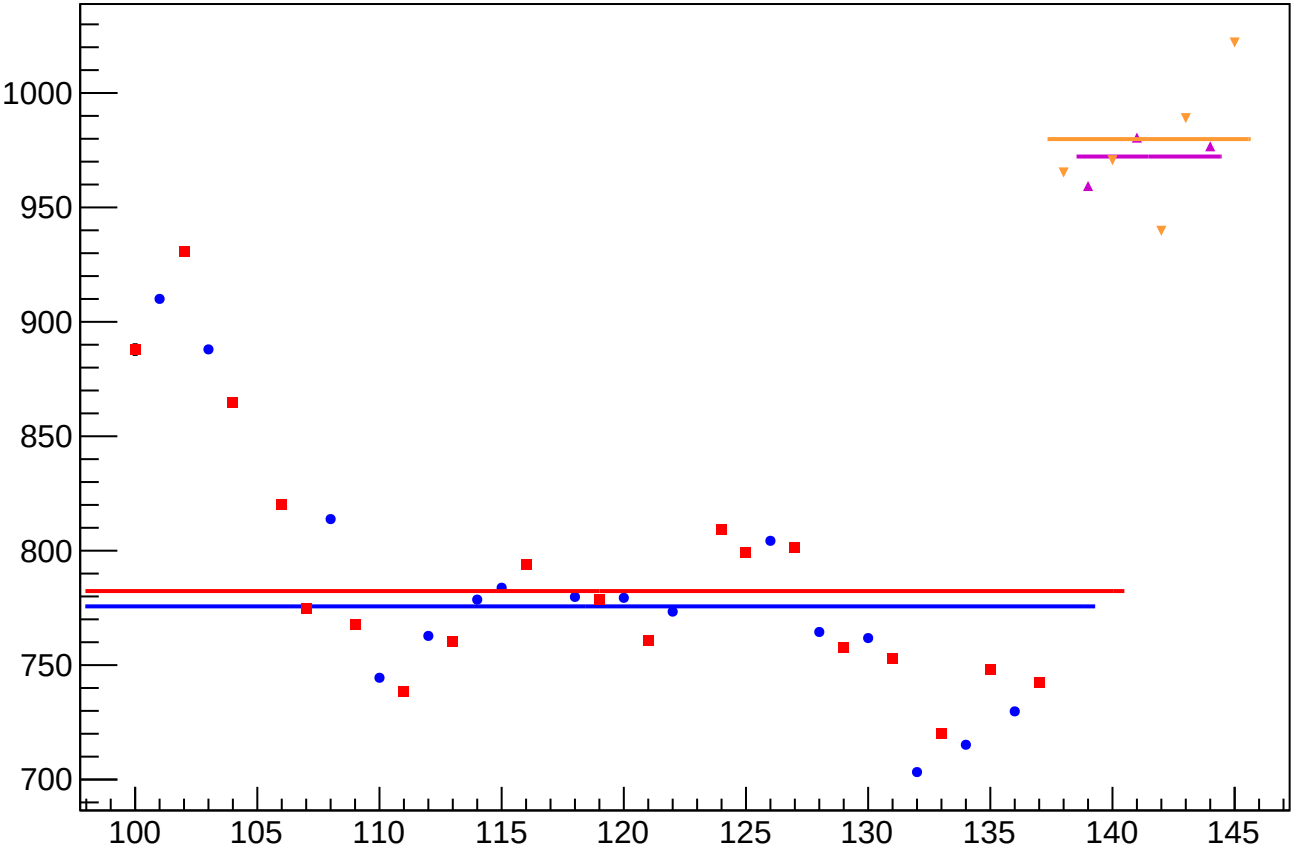
Left In: 36.171+/-0.600 χ^2/NDF:23.9/2

\+ sign 29.243+/-0.251 χ^2/NDF: 7459.7/20

All: 26.288+/-0.180 χ^2/NDF: 20214.2/42

\- sign 23.172+/-0.258 χ^2/NDF: 12470.6/21

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

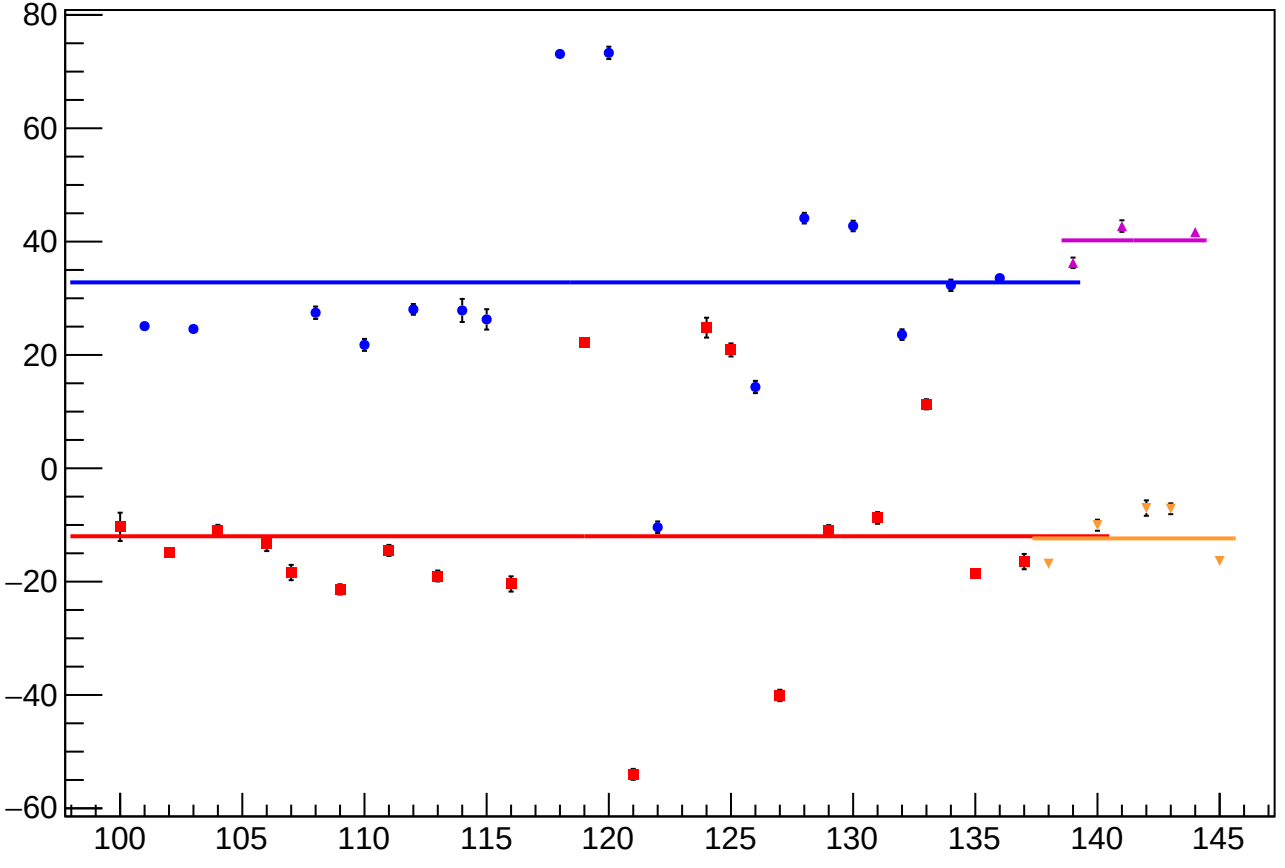
Left In: 972.240+/-0.424 χ^2/NDF:468.4/2

+ sign 825.234+/-0.178 χ^2/NDF: 322215.7/20

All: 821.491+/-0.127 χ^2/NDF: 551582.3/42

- sign 817.547+/-0.183 χ^2/NDF: 228456.1/21

diff_bpm1i04Y_mean vs Slug



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

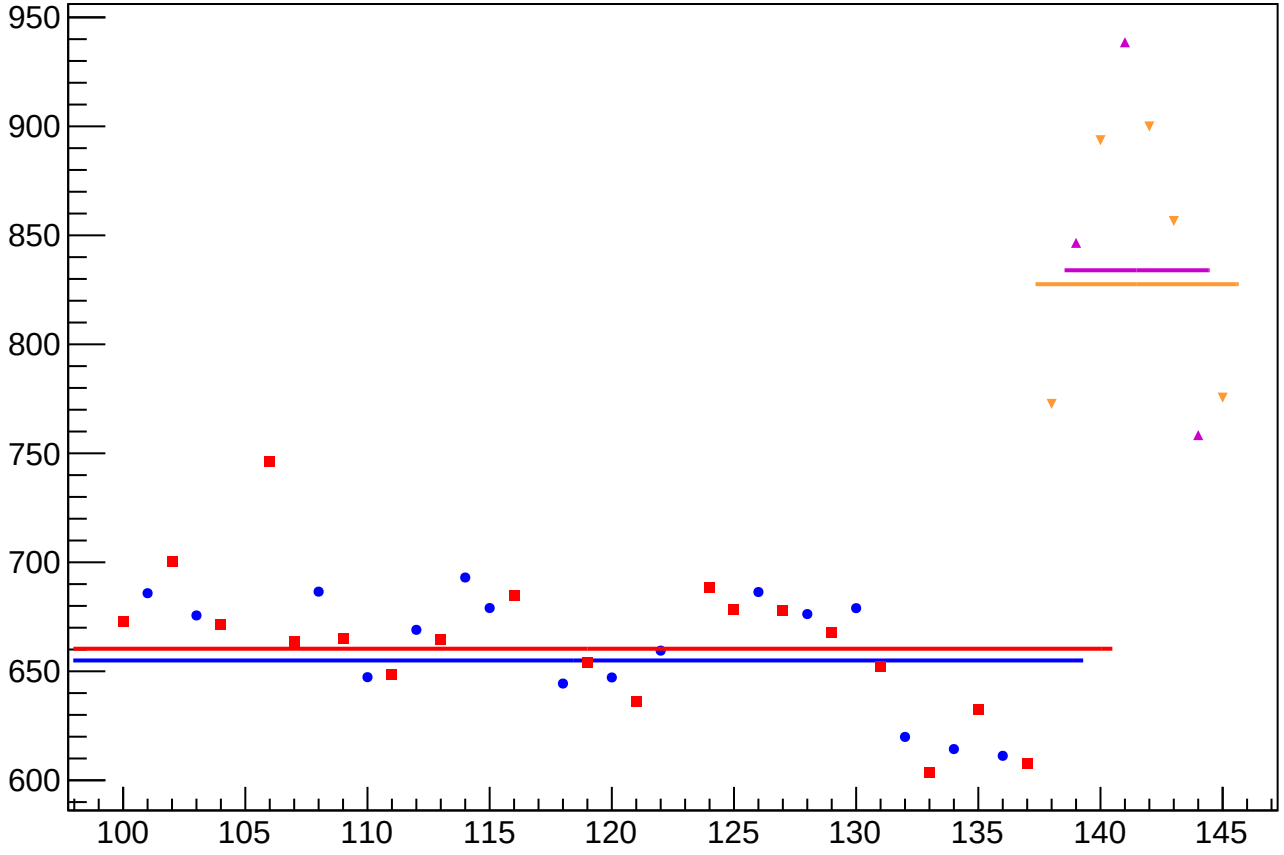
Left In: 40.220+/-0.522 χ^2/NDF:27.9/2

+ sign 21.979+/-0.212 χ^2/NDF: 14604.5/20

All: 9.961+/-0.152 χ^2/NDF: 36046.6/42

- sign -2.809+/-0.219 χ^2/NDF: 14835.5/21

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

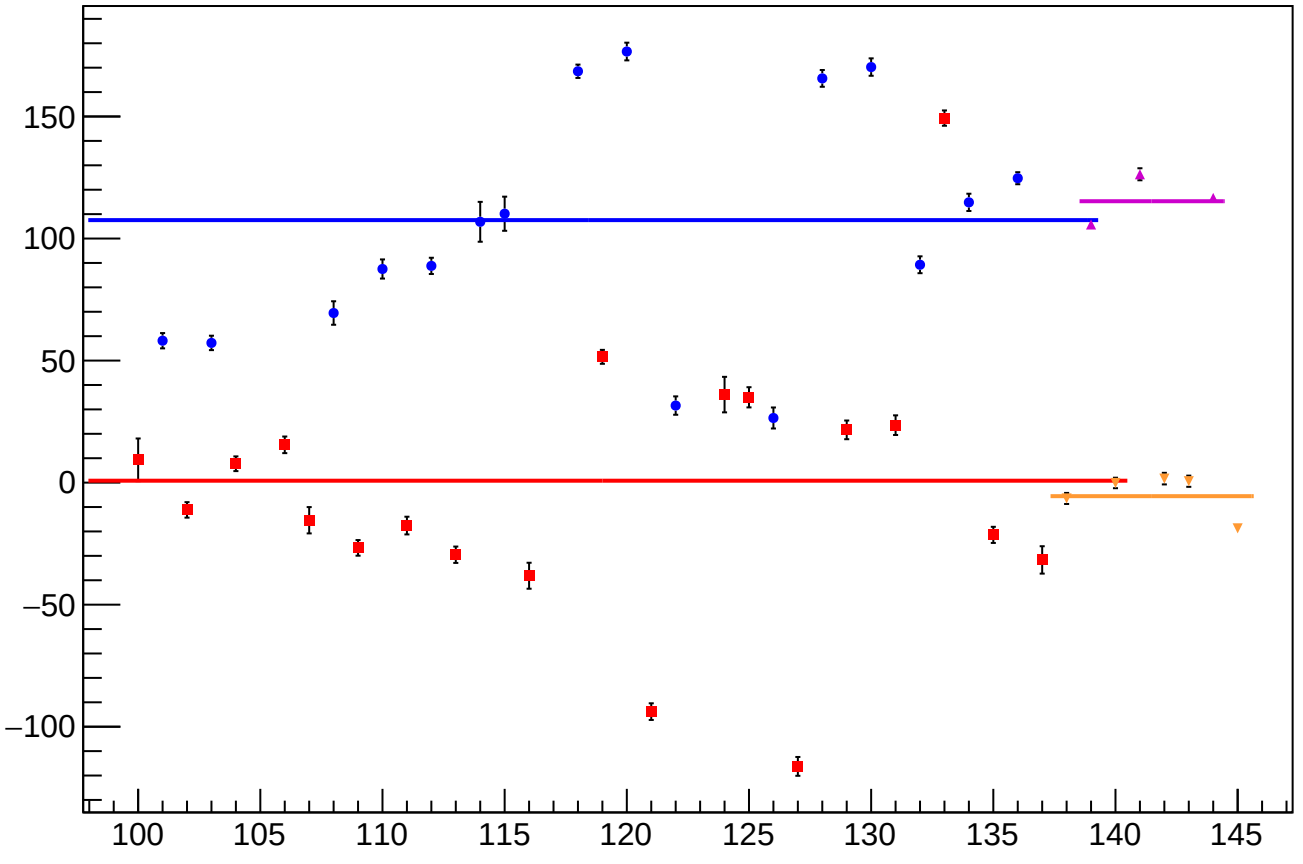
Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 833.977+/-0.369 χ^2/NDF:38959.2/2

+ sign 696.330+/-0.150 χ^2/NDF: 299209.5/20

All: 693.695+/-0.108 χ^2/NDF: 551613.6/42

- sign 690.894+/-0.155 χ^2/NDF: 251768.7/21



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

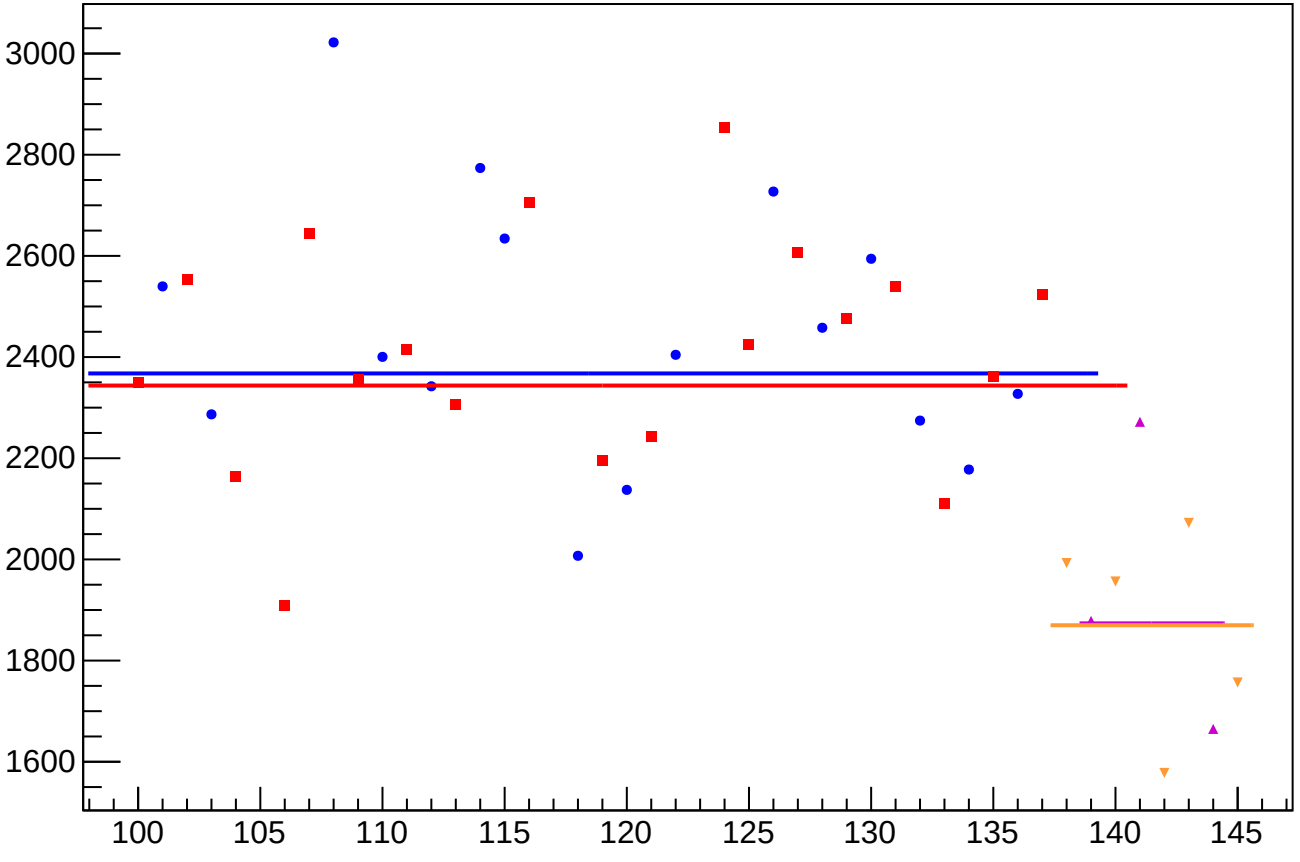
Left In: 115.288+/-1.179 χ^2/NDF:42.0/2

+ sign 56.833+/-0.658 χ^2/NDF: 10341.3/20

All: 49.174+/-0.478 χ^2/NDF: 21588.3/42

- sign 40.613+/-0.695 χ^2/NDF: 10959.7/21

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

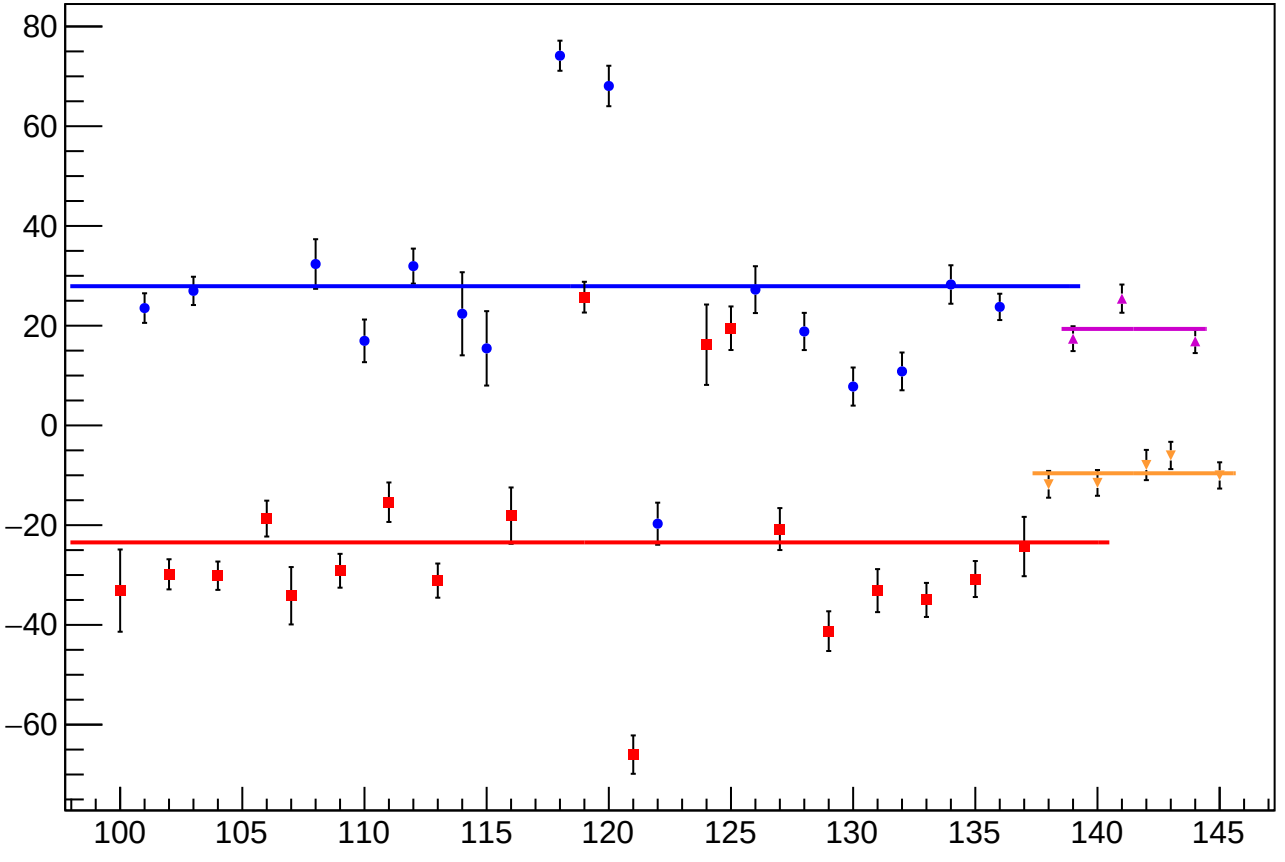
Left In: 1873.599+/-0.834 χ^2/NDF:79991.7/2

+ sign 2144.418+/-0.465 χ^2/NDF: 471740.5/20

All: 2161.311+/-0.338 χ^2/NDF: 874268.1/42

- sign 2180.193+/-0.492 χ^2/NDF: 399732.0/21

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

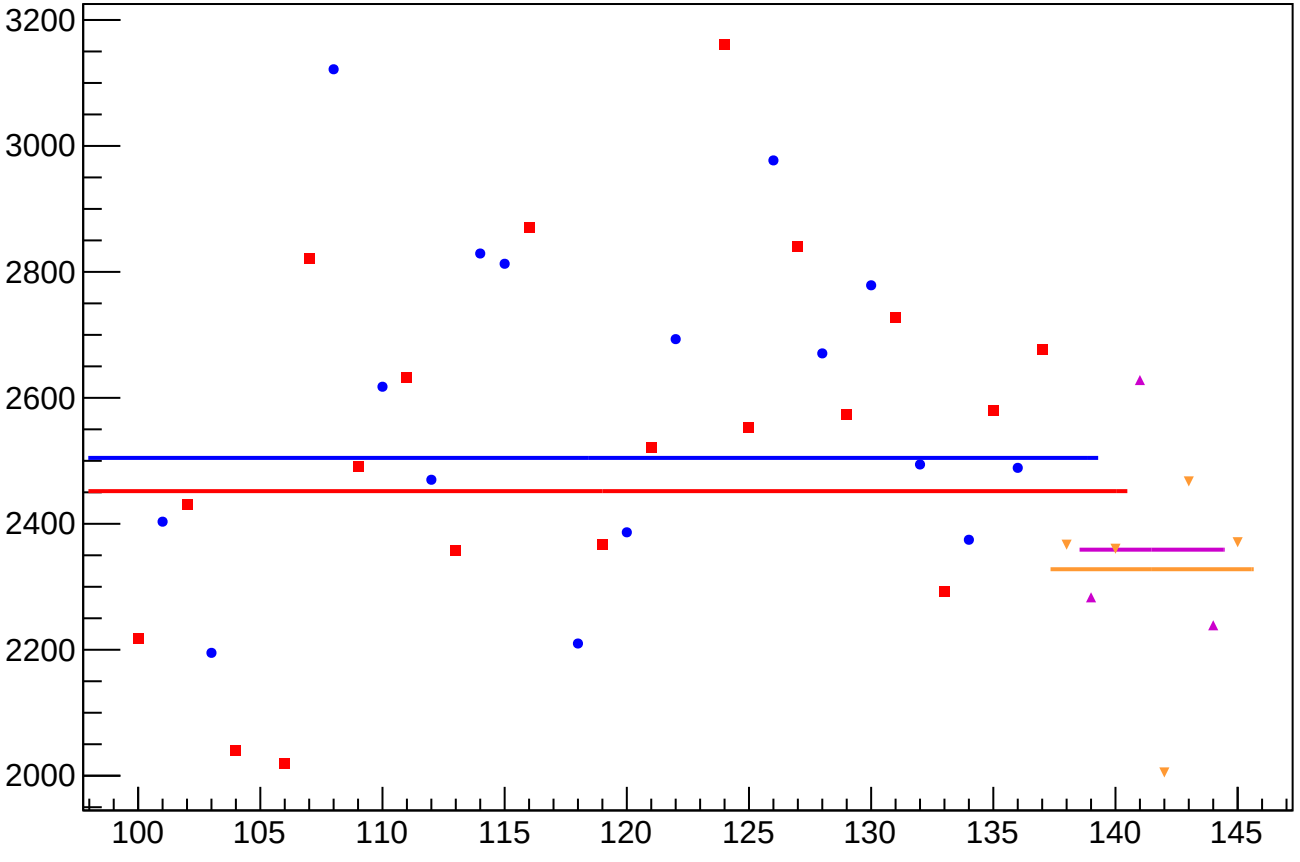
Left In: 19.352+/-1.467 χ^2/NDF:6.3/2

+ sign 13.958+/-0.742 χ^2/NDF: 1130.6/20

All: 1.579+/-0.534 χ^2/NDF: 2899.2/42

- sign -11.697+/-0.769 χ^2/NDF: 1192.1/21

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

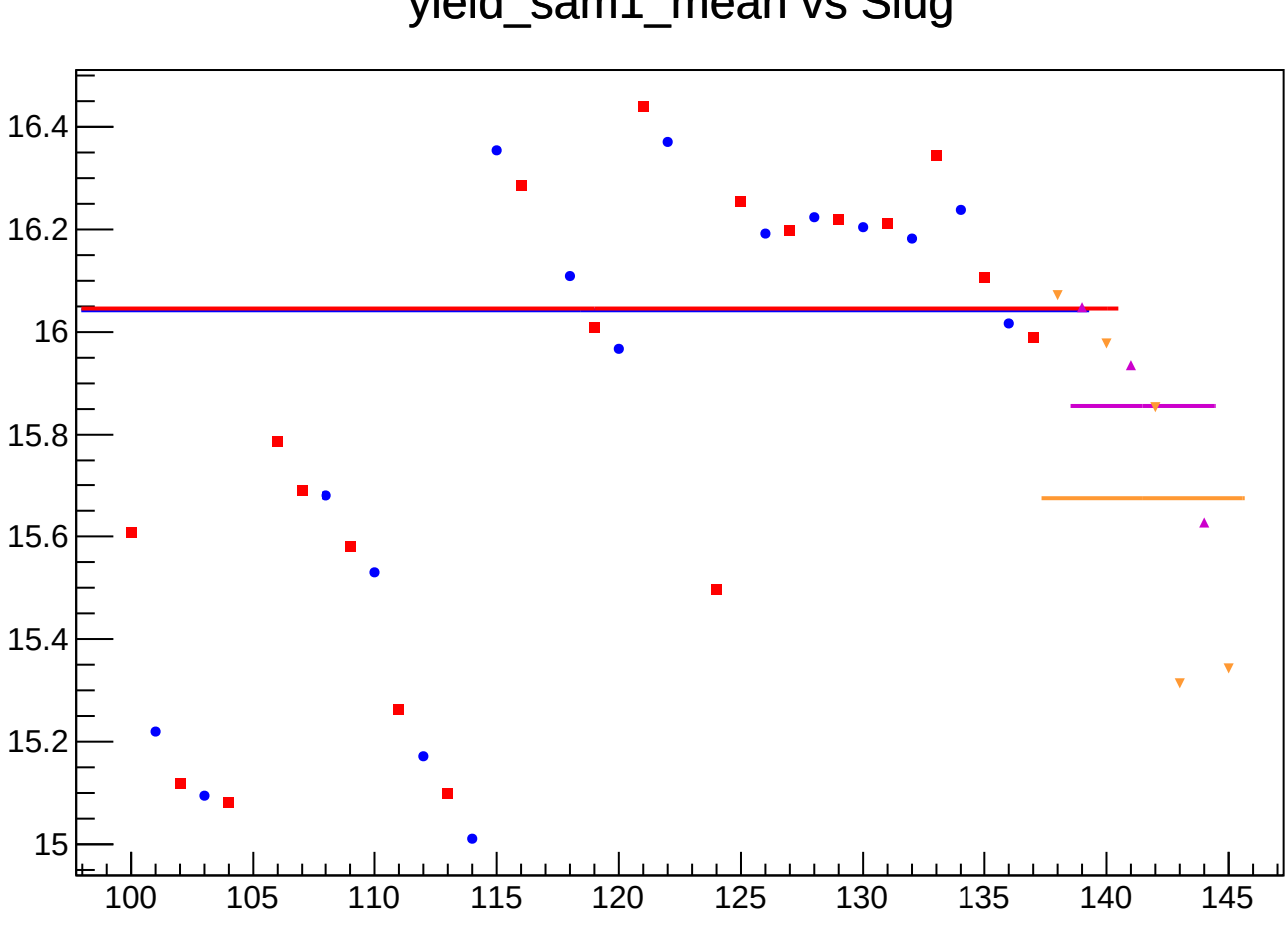
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2358.934+/-1.037 χ^2/NDF:25126.8/2

+ sign 2438.875+/-0.525 χ^2/NDF: 182240.3/20

All: 2432.829+/-0.378 χ^2/NDF: 366705.1/42

- sign 2426.346+/-0.544 χ^2/NDF: 184189.8/21



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

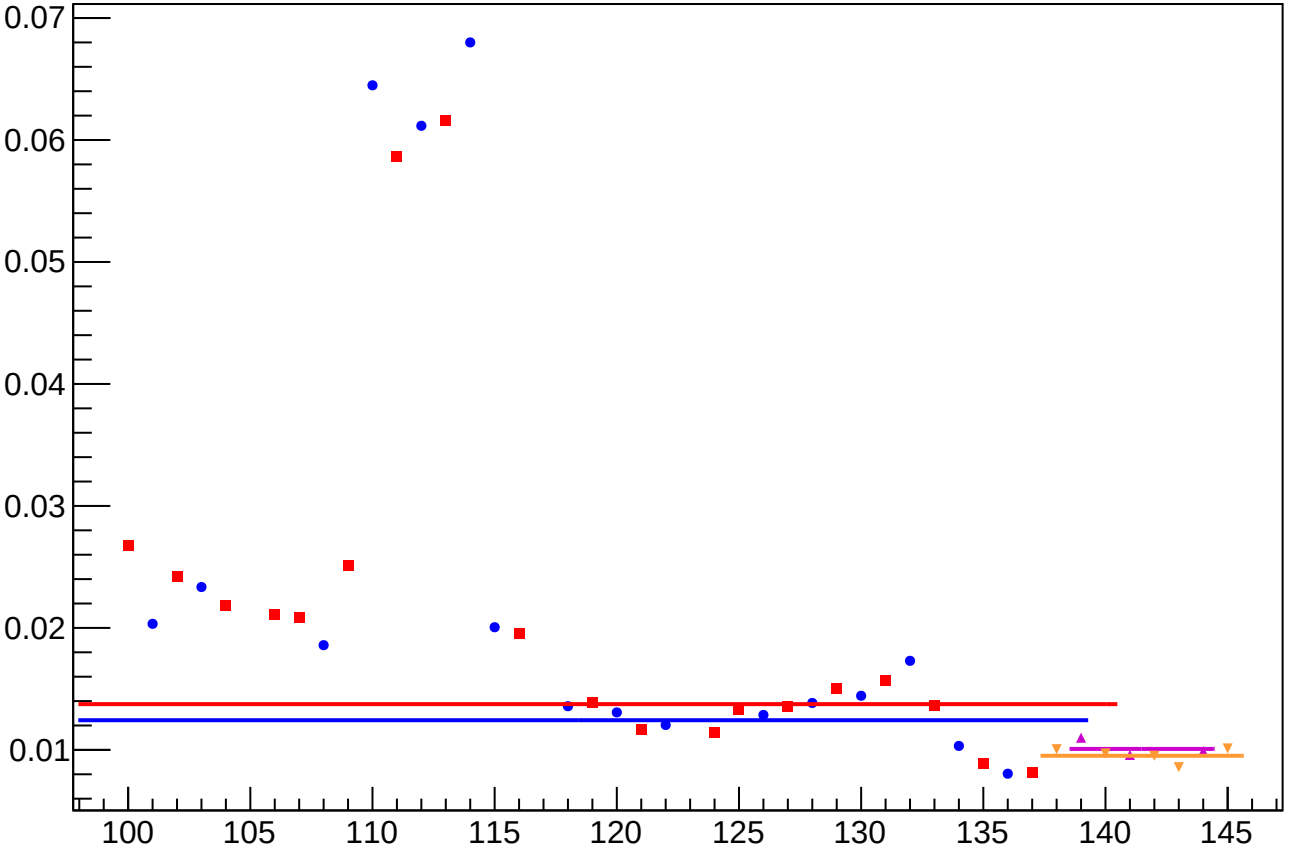
Left In: 15.856+/-0.000 χ^2/NDF:762257461.9/2

+ sign 15.852+/-0.000 χ^2/NDF: 9577451312.6/20

All: 15.898+/-0.000 χ^2/NDF: 14748805507.3

- sign 15.961+/-0.000 χ^2/NDF: 4800783523.6/21

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

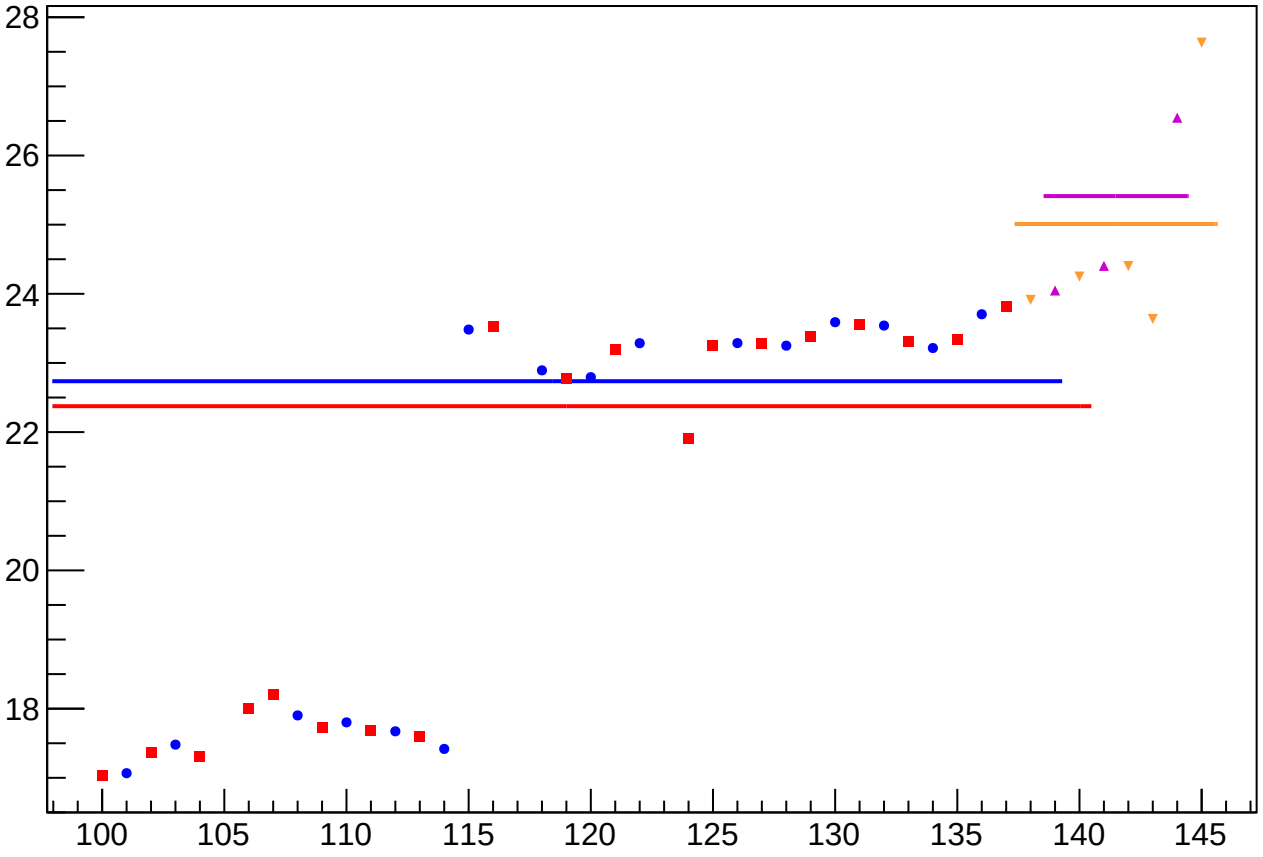
Left In: 0.010+/-0.000 χ^2/NDF:16291.6/2

+ sign 0.011+/-0.000 χ^2/NDF: 2658381.4/20

All: 0.011+/-0.000 χ^2/NDF: 5356023.2/42

- sign 0.012+/-0.000 χ^2/NDF: 2610362.7/21

yield_sam2_mean vs Slug



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

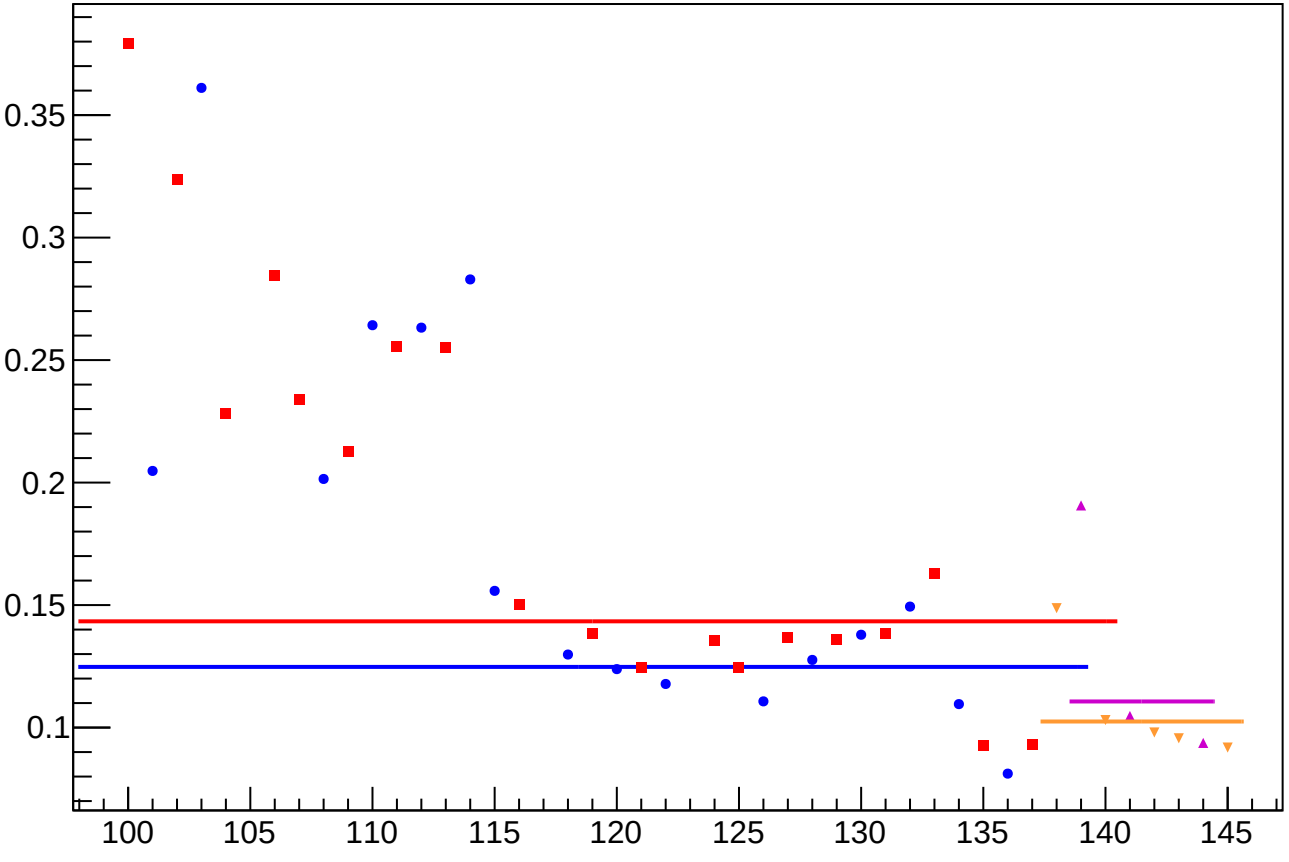
Left In: 25.413+/-0.000 χ^2/NDF:220300037.7/2

+ sign 23.758+/-0.000 χ^2/NDF: 2777292737.0/20

All: 23.668+/-0.000 χ^2/NDF: 5217798687.2/4

- sign 23.543+/-0.000 χ^2/NDF: 2428334156.8/21

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

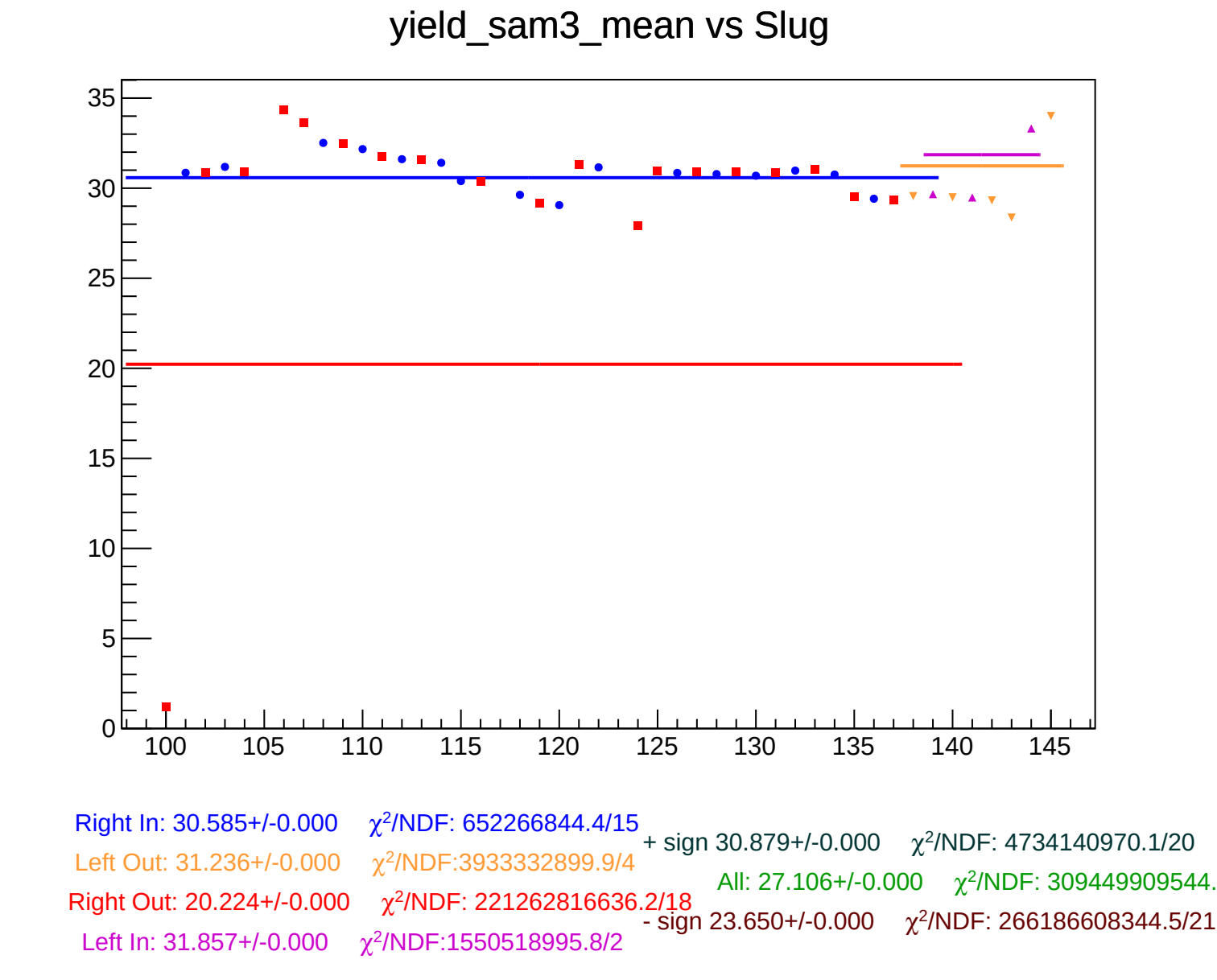
Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.111+/-0.000 χ^2/NDF:348849.6/2

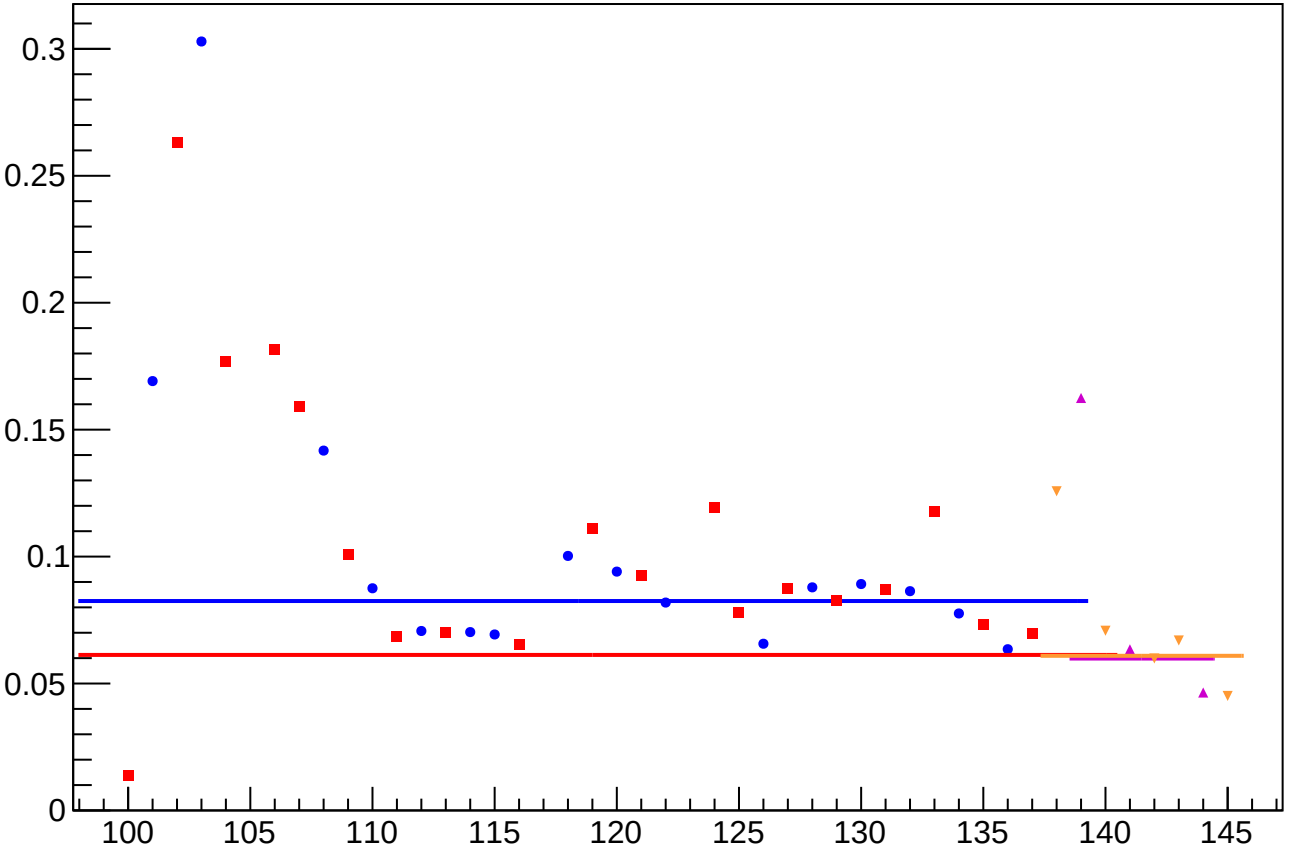
+ sign 0.115+/-0.000 χ^2/NDF: 2063497.0/20

All: 0.122+/-0.000 χ^2/NDF: 4347838.0/42

- sign 0.131+/-0.000 χ^2/NDF: 2148971.0/21


yield_sam3_mean vs Slug
35
30
25
20
15
10
5
0
100
105
110
115
120
125
130
135
140
145
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: 31.857+/-0.000 χ²/NDF:1550518995.8/2
+ sign 30.879+/-0.000 χ²/NDF: 4734140970.1/20
All: 27.106+/-0.000 χ²/NDF: 309449909544.
- sign 23.650+/-0.000 χ²/NDF: 266186608344.5/21

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

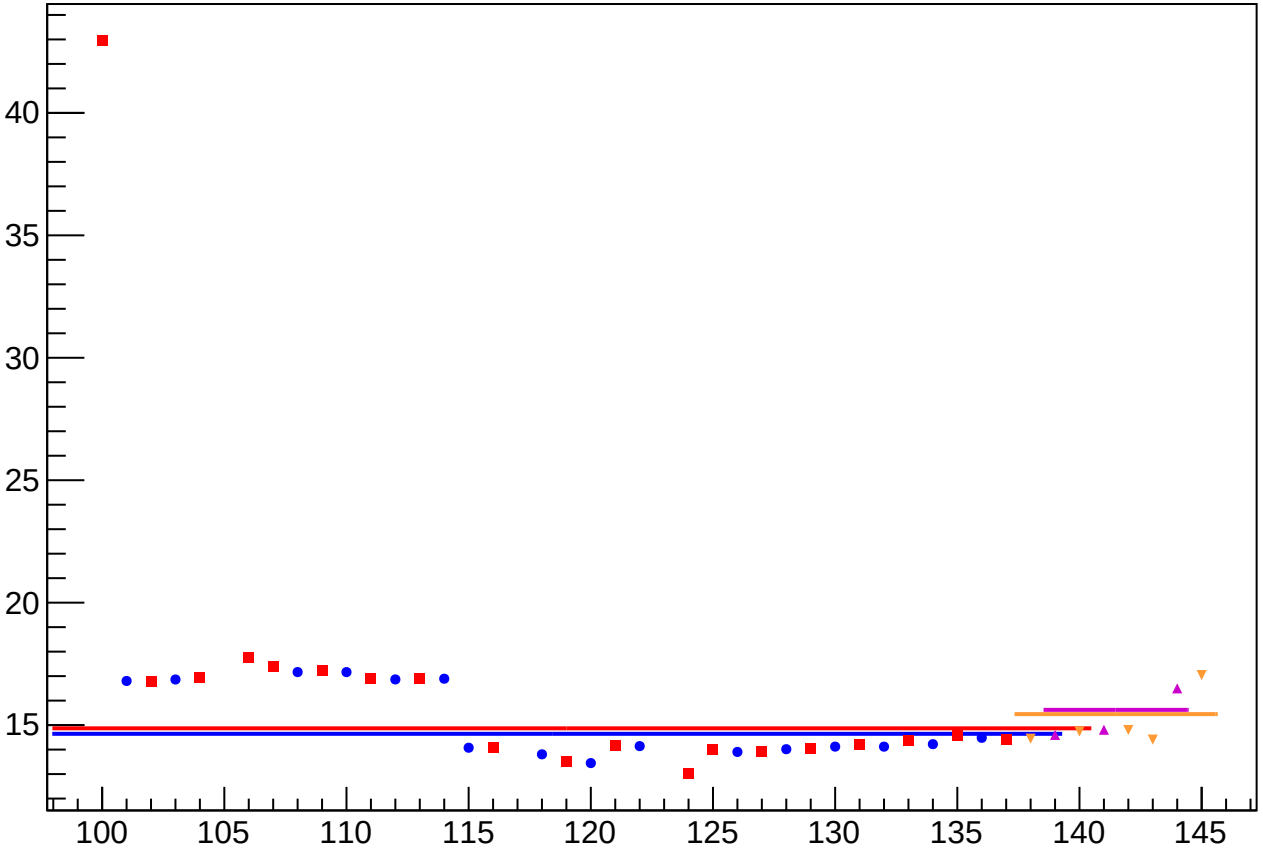
Left In: 0.060+/-0.000 χ^2/NDF:766329.2/2

+ sign 0.073+/-0.000 χ^2/NDF: 2104159.6/20

All: 0.067+/-0.000 χ^2/NDF: 7094820.1/42

- sign 0.061+/-0.000 χ^2/NDF: 4781941.1/21

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

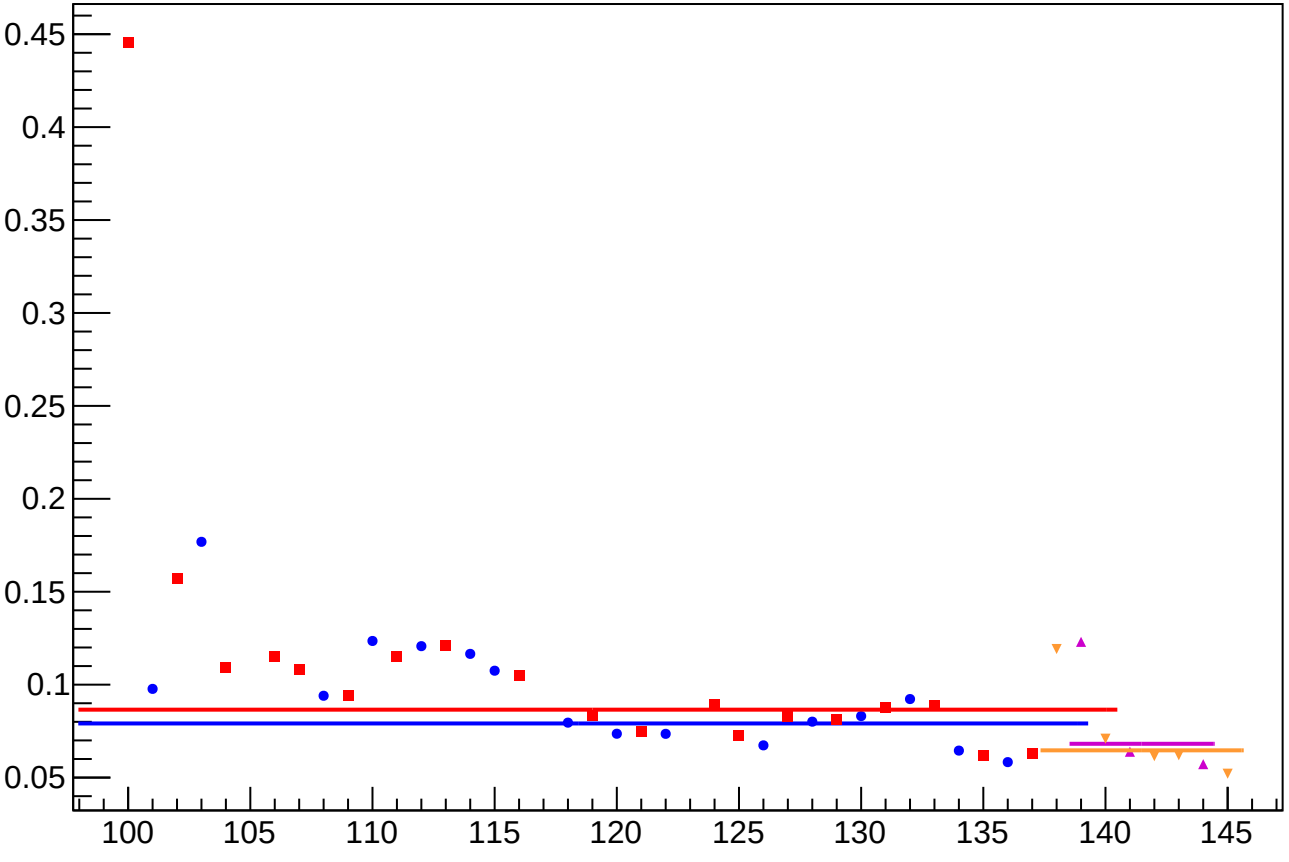
Left In: 15.622+/-0.000 χ^2/NDF:321793108.6/2

+ sign 14.970+/-0.000 χ^2/NDF: 2328573607.0/20

All: 15.038+/-0.000 χ^2/NDF: 4555165214.7/4

- sign 15.124+/-0.000 χ^2/NDF: 2210183980.3/21

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

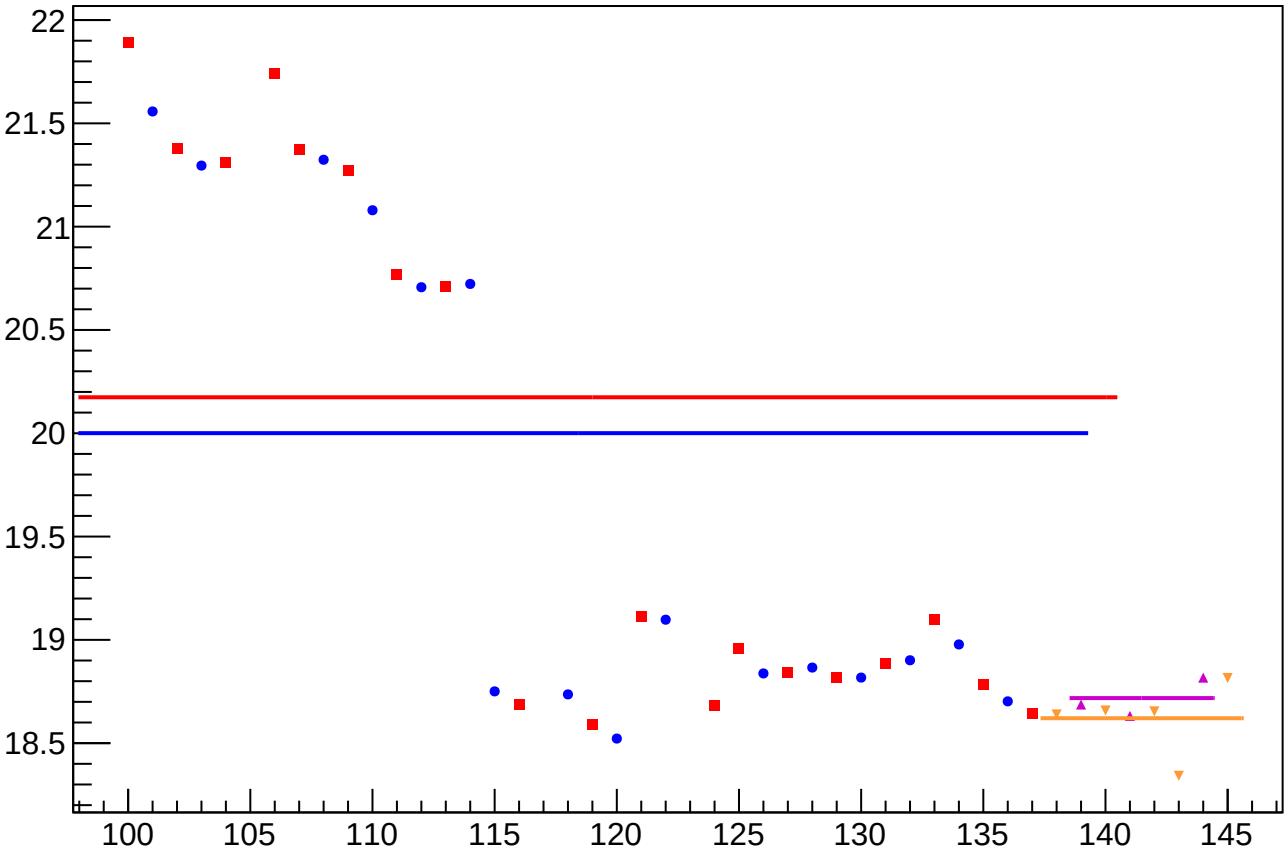
Left In: 0.068+/-0.000 χ^2/NDF:381587.6/2

+ sign 0.073+/-0.000 χ^2/NDF: 1460903.5/20

All: 0.076+/-0.000 χ^2/NDF: 2892751.5/42

- sign 0.080+/-0.000 χ^2/NDF: 1362599.3/21

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

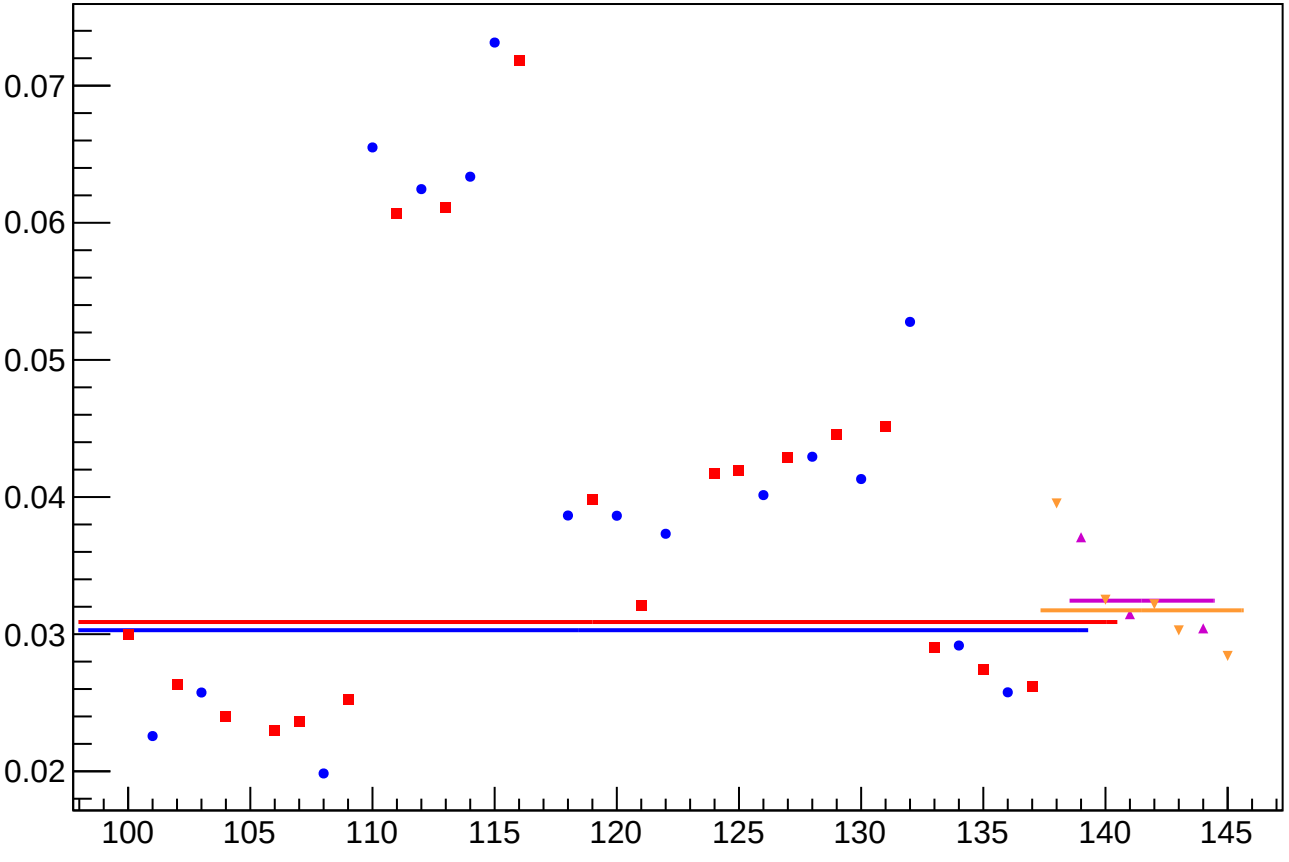
Left In: 18.718+/-0.000 χ^2/NDF:15923622.6/2

+ sign 19.524+/-0.000 χ^2/NDF: 15256480544.2/20

All: 19.649+/-0.000 χ^2/NDF: 29687611035.0

- sign 19.788+/-0.000 χ^2/NDF: 14103404899.6/21

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

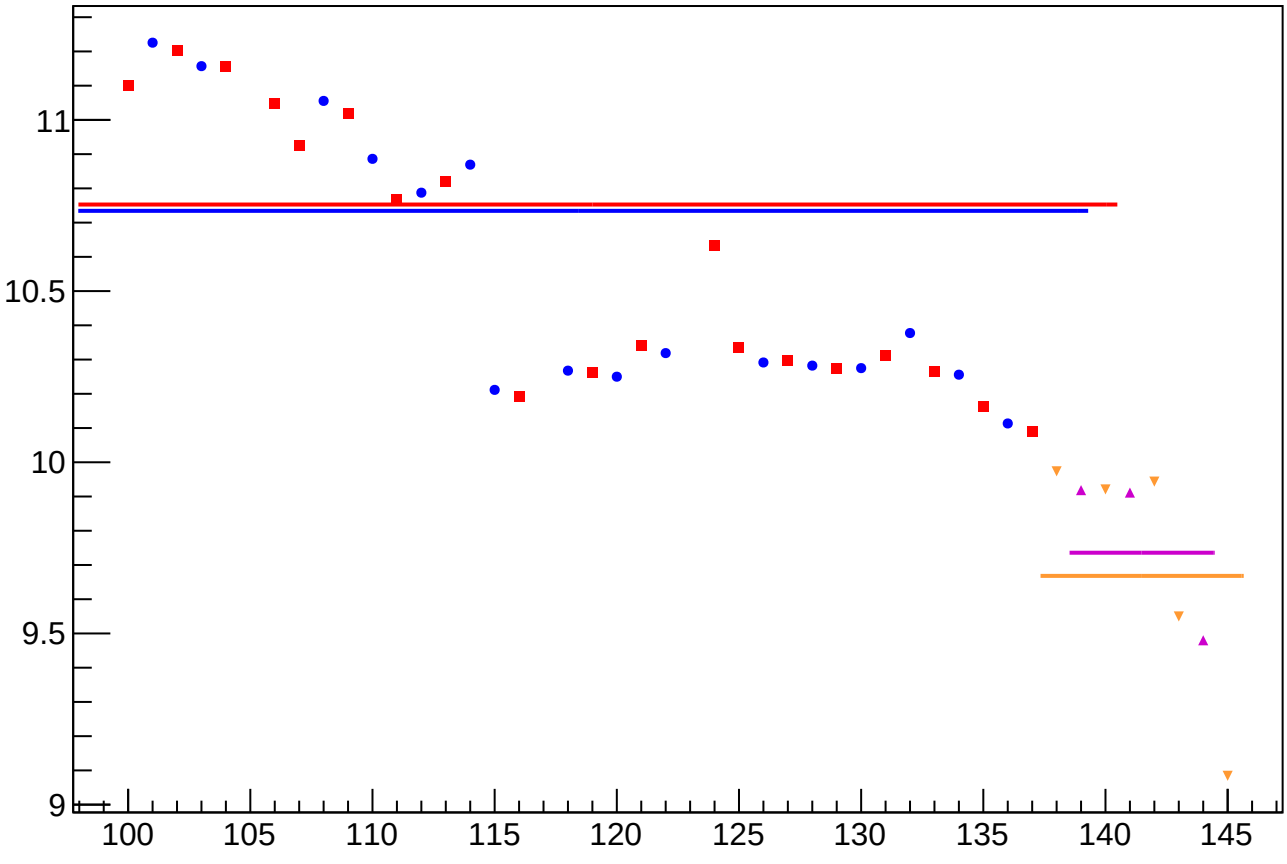
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:34046.1/2

+ sign 0.031+/-0.000 χ^2/NDF: 1540088.9/20

All: 0.031+/-0.000 χ^2/NDF: 2789661.6/42

- sign 0.031+/-0.000 χ^2/NDF: 1247149.6/21



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

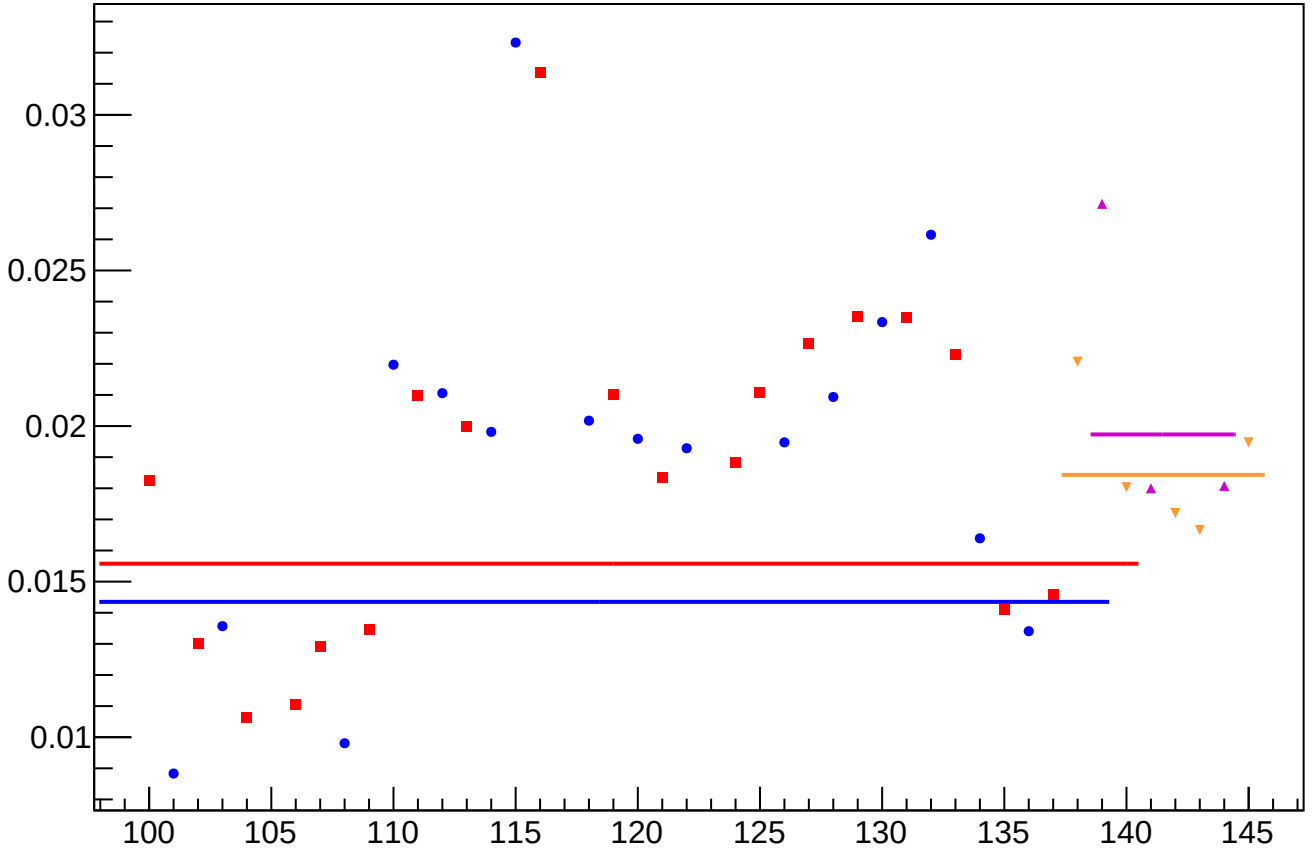
Left In: 9.736+/-0.000 χ^2/NDF:276919218.1/2

+ sign 10.460+/-0.000 χ^2/NDF: 15007011173.7/20

All: 10.505+/-0.000 χ^2/NDF: 24870756822.9

- sign 10.557+/-0.000 χ^2/NDF: 9703493226.0/21

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:64162.7/4

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

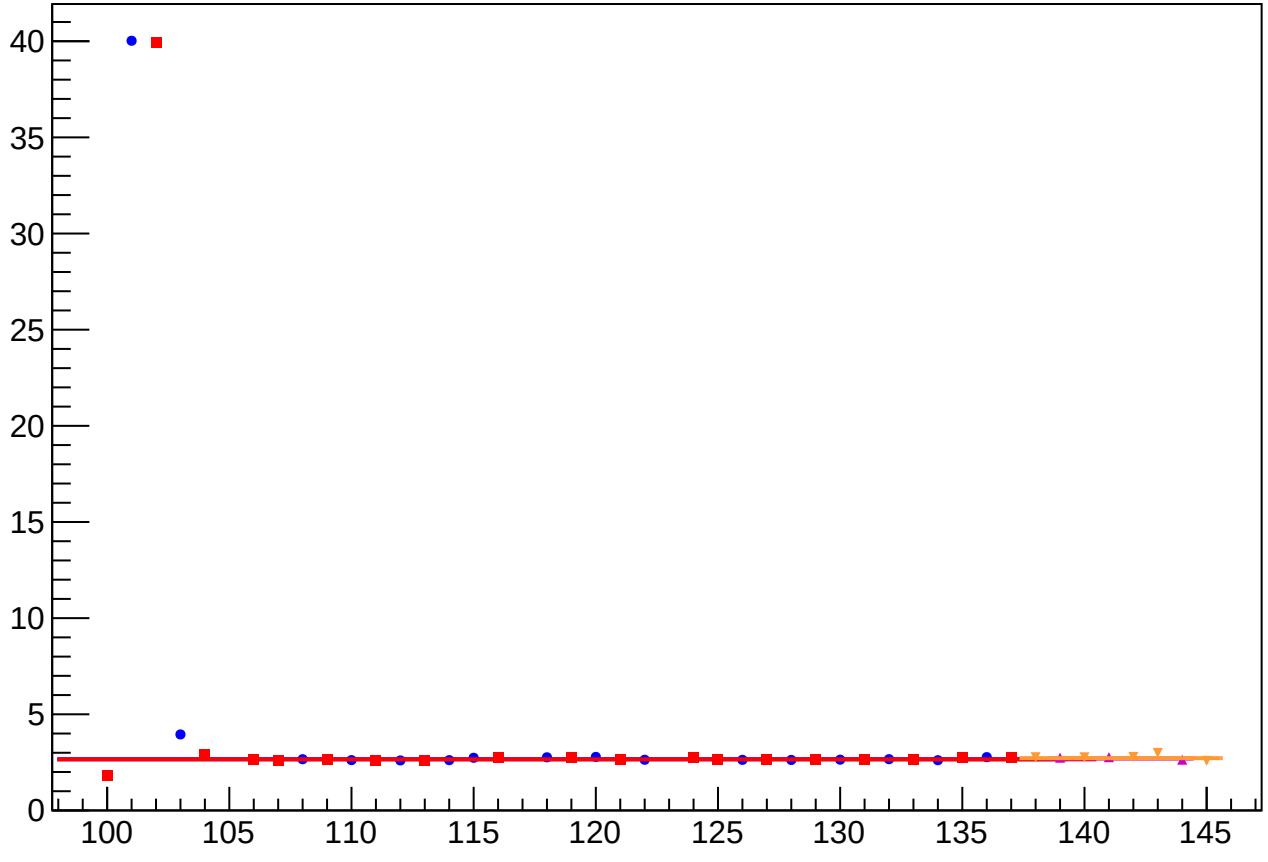
Left In: 0.020+/-0.000 χ^2/NDF:152684.2/2

+ sign 0.015+/-0.000 χ^2/NDF: 1782716.4/20

All: 0.016+/-0.000 χ^2/NDF: 3209494.6/42

- sign 0.016+/-0.000 χ^2/NDF: 1394170.0/21

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

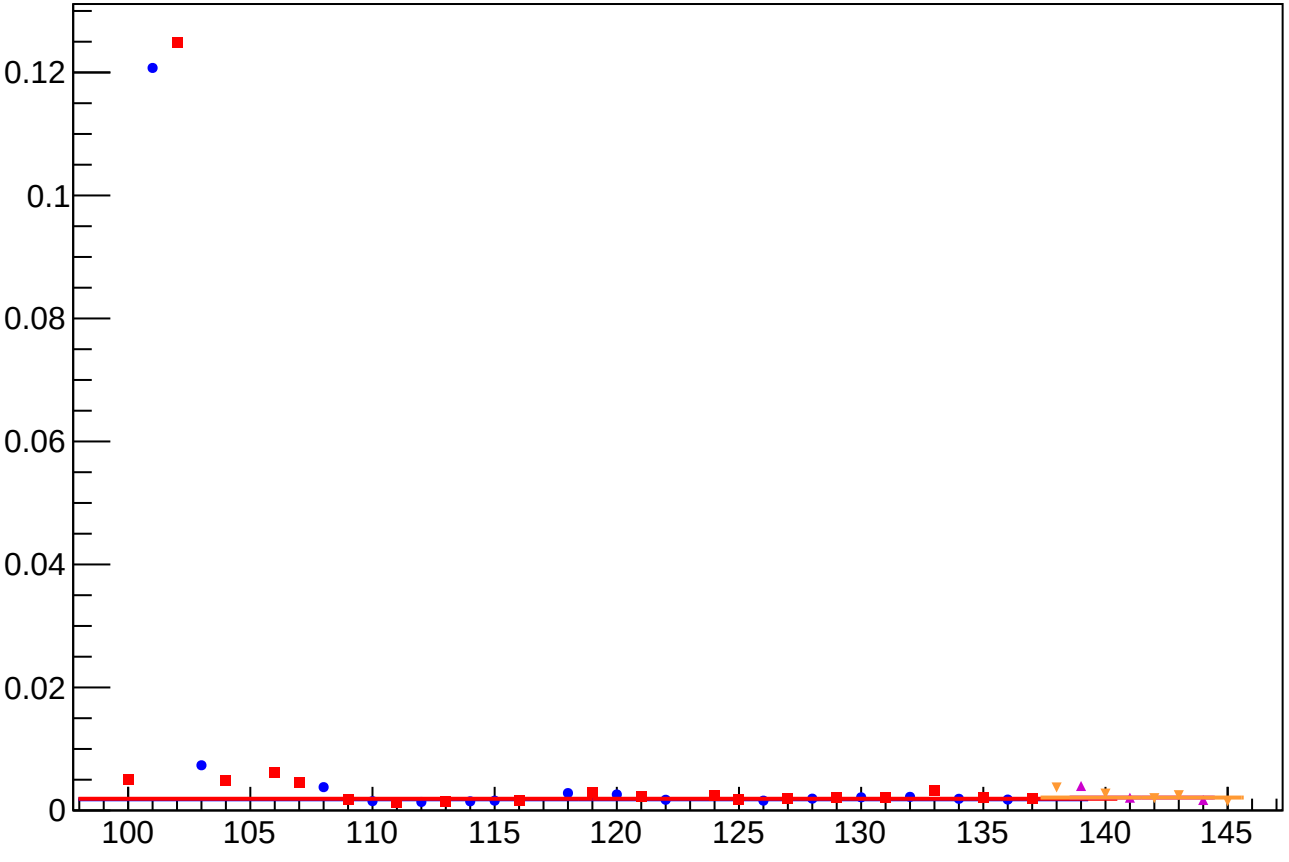
Left In: 2.699+/-0.000 χ^2/NDF:1772920515.2/2

+ sign 2.680+/-0.000 χ^2/NDF: 82776857999.4/20

All: 2.674+/-0.000 χ^2/NDF: 150394818994.9

- sign 2.667+/-0.000 χ^2/NDF: 67441337525.4/21

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

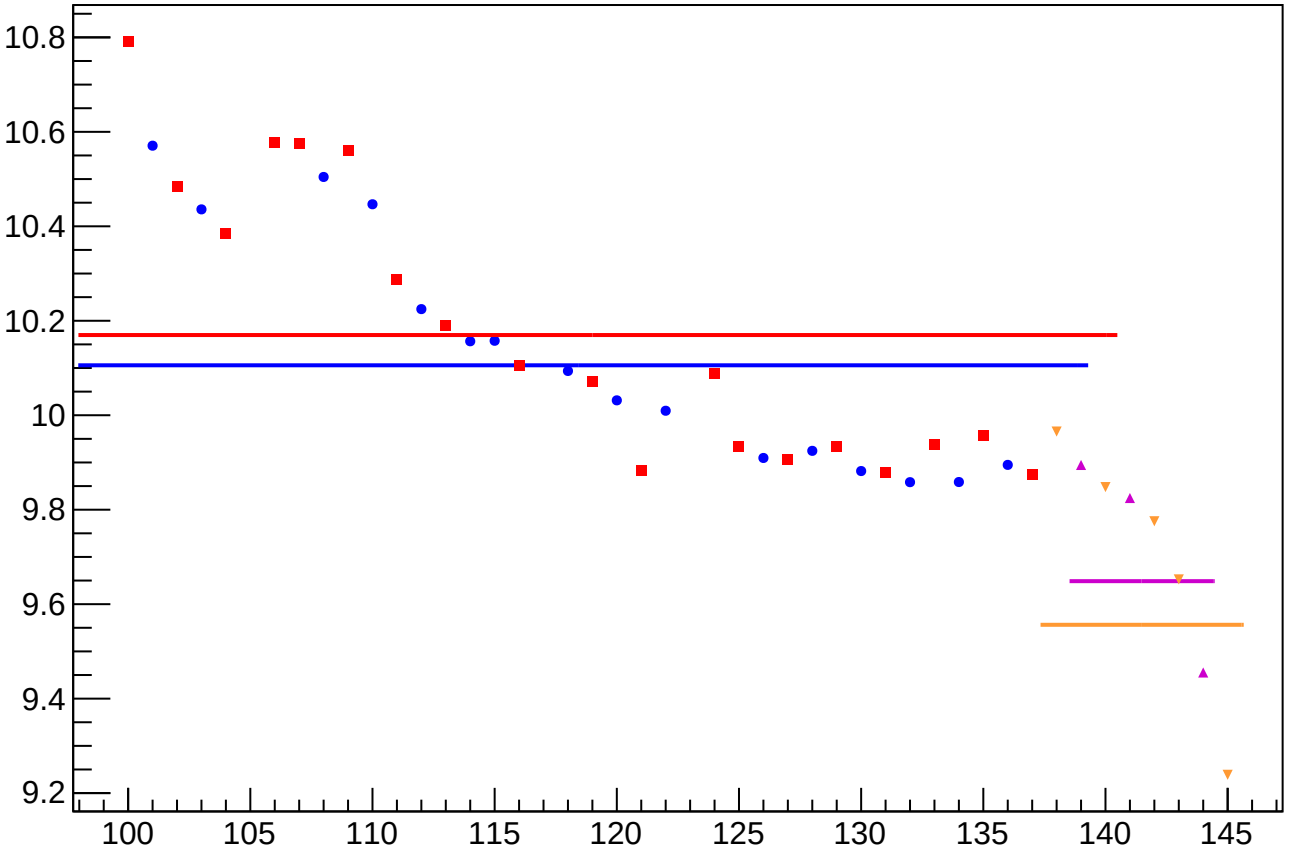
Left In: 0.002+/-0.000 χ^2/NDF:432704.5/2

+ sign 0.002+/-0.000 χ^2/NDF: 2471538.7/20

All: 0.002+/-0.000 χ^2/NDF: 5459065.4/42

- sign 0.002+/-0.000 χ^2/NDF: 2983105.5/21

yield_sam8_mean vs Slug



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

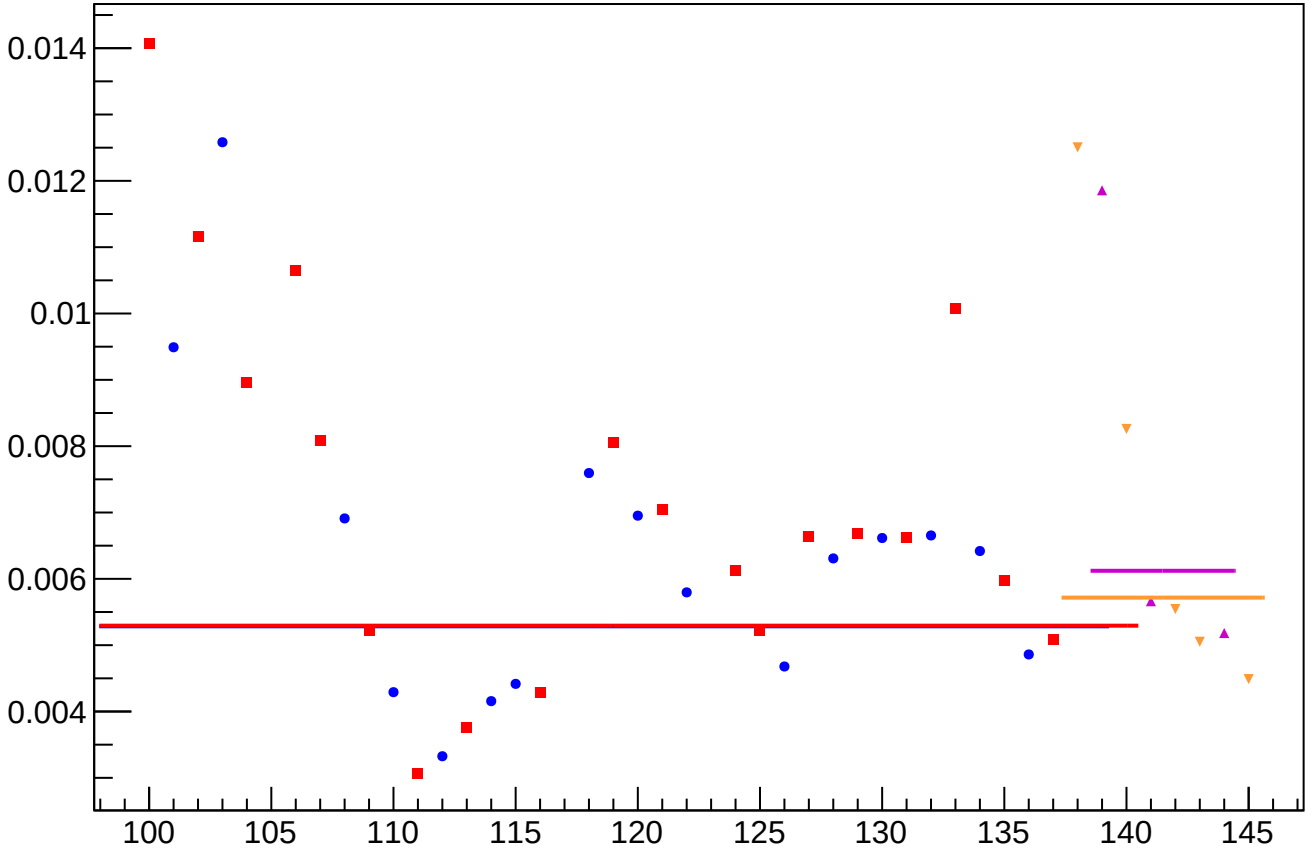
Left In: 9.649+/-0.000 χ^2/NDF:1859613399.9/2

+ sign 9.949+/-0.000 χ^2/NDF: 30877712793.1/20

All: 10.004+/-0.000 χ^2/NDF: 54349635569.7

- sign 10.065+/-0.000 χ^2/NDF: 21749633792.5/21

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

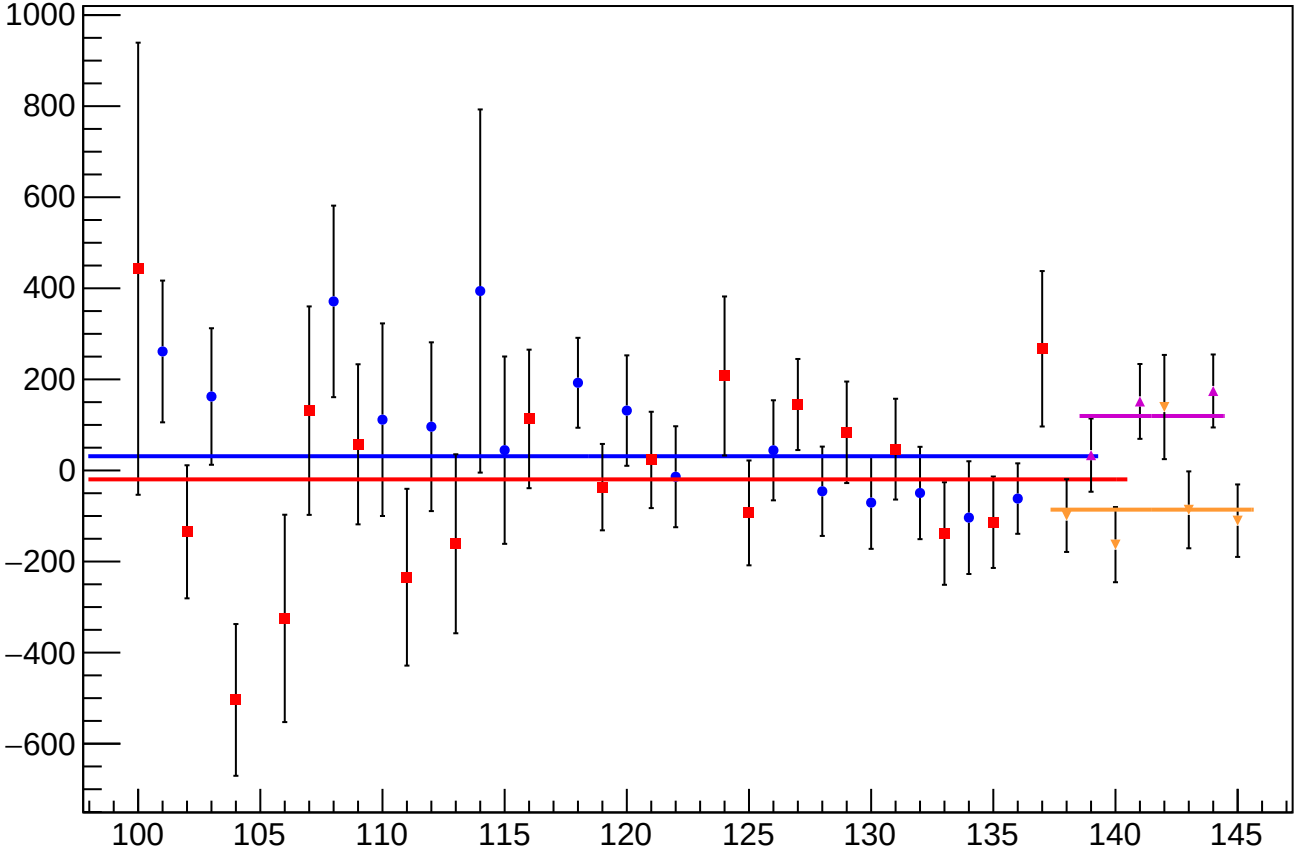
Left In: 0.006+/-0.000 χ^2/NDF:419075.3/2

+ sign 0.005+/-0.000 χ^2/NDF: 1930580.8/20

All: 0.005+/-0.000 χ^2/NDF: 4196875.5/42

- sign 0.005+/-0.000 χ^2/NDF: 2265572.2/21

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

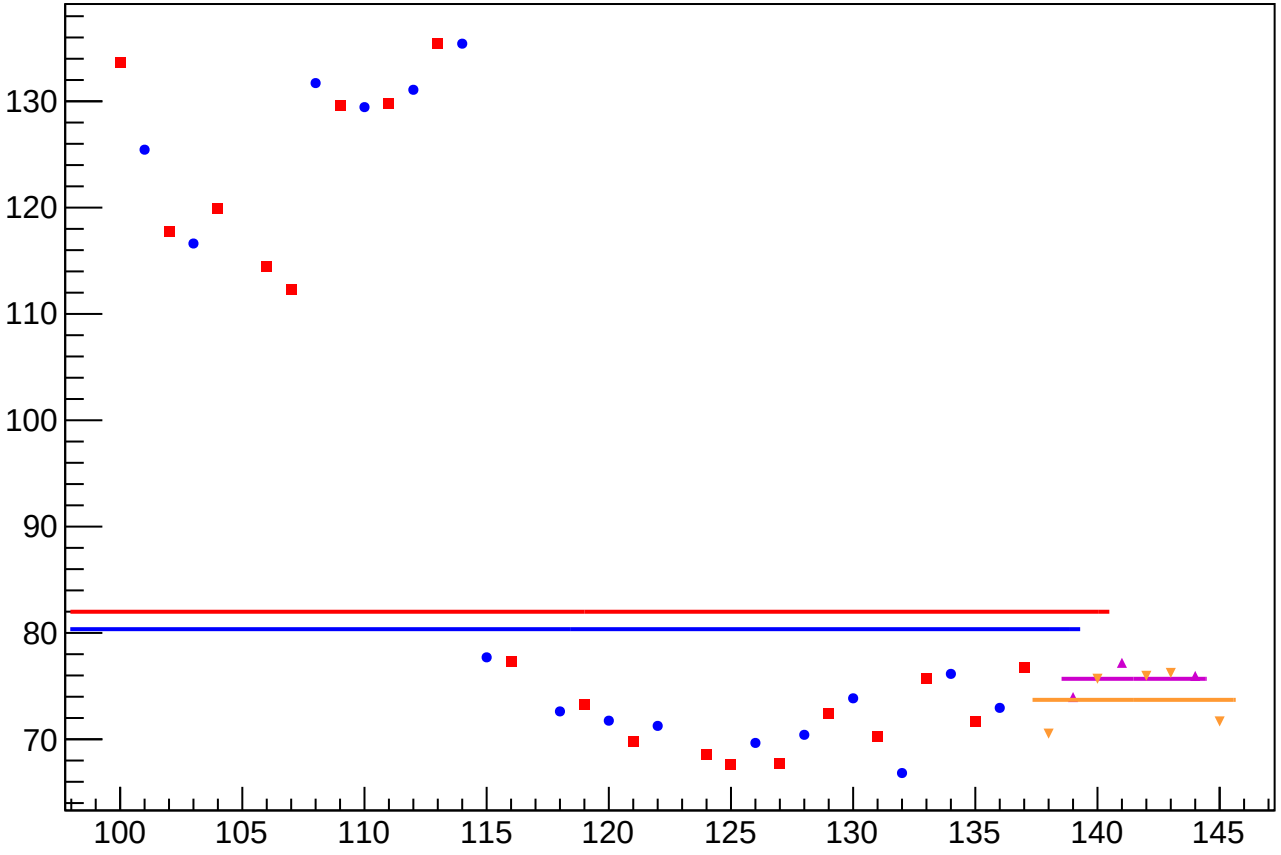
Left In: 119.616+/-46.702 χ^2/NDF:1.8/2

\+ sign -14.641+/-24.021 χ^2/NDF: 25.6/20

All: 2.842+/-17.600 χ^2/NDF: 60.6/42

\- sign 23.109+/-25.862 χ^2/NDF: 33.8/21

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

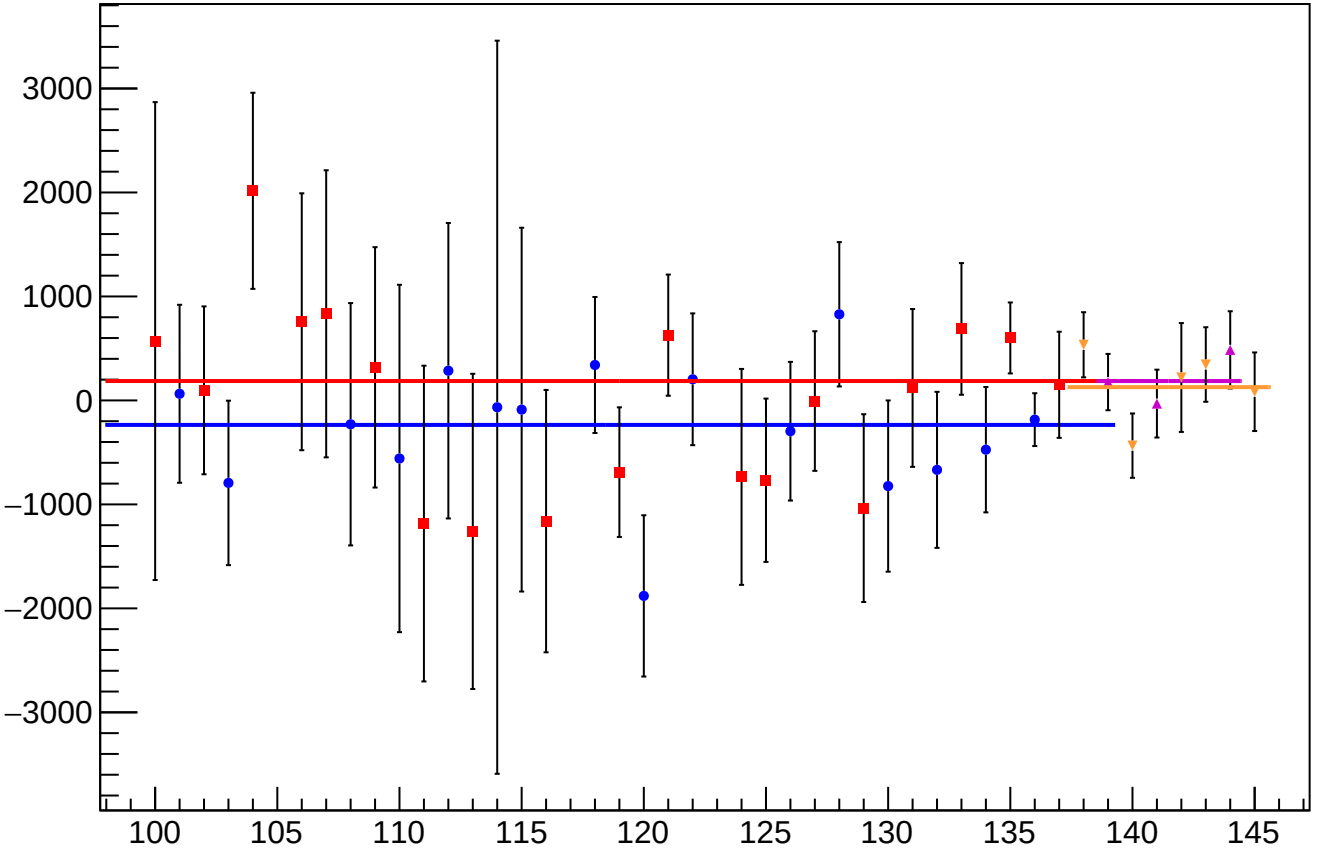
Left In: 75.686+/-0.033 χ^2/NDF:1603.3/2

+ sign 77.754+/-0.017 χ^2/NDF: 884709.4/20

All: 78.821+/-0.012 χ^2/NDF: 1852471.8/42

- sign 80.059+/-0.018 χ^2/NDF: 959232.1/21

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

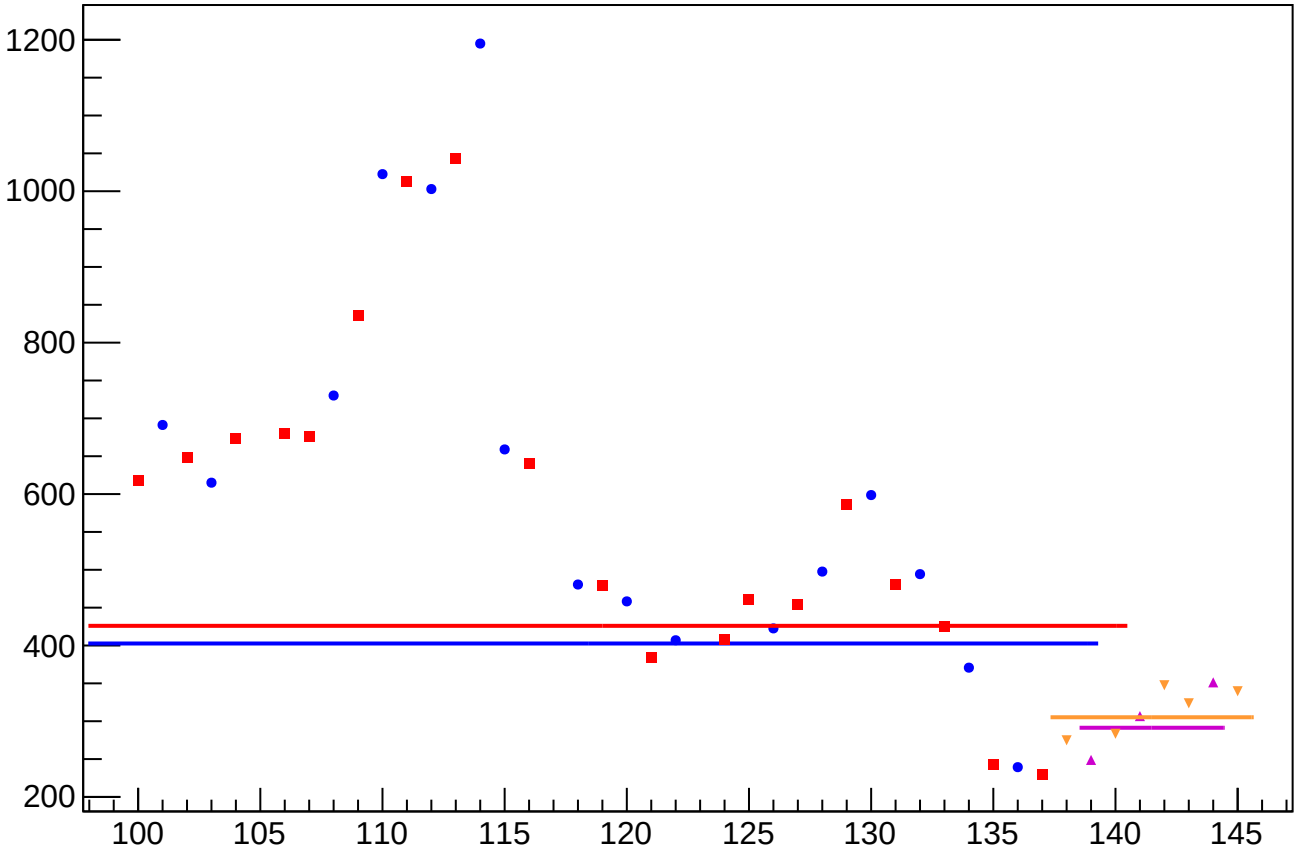
Left In: 186.310+/-181.757 χ^2/NDF:1.1/2

\+ sign -49.676+/-114.440 χ^2/NDF: 17.9/20

All: 58.653+/-84.195 χ^2/NDF: 36.9/42

\- sign 186.474+/-124.310 χ^2/NDF: 17.0/21

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

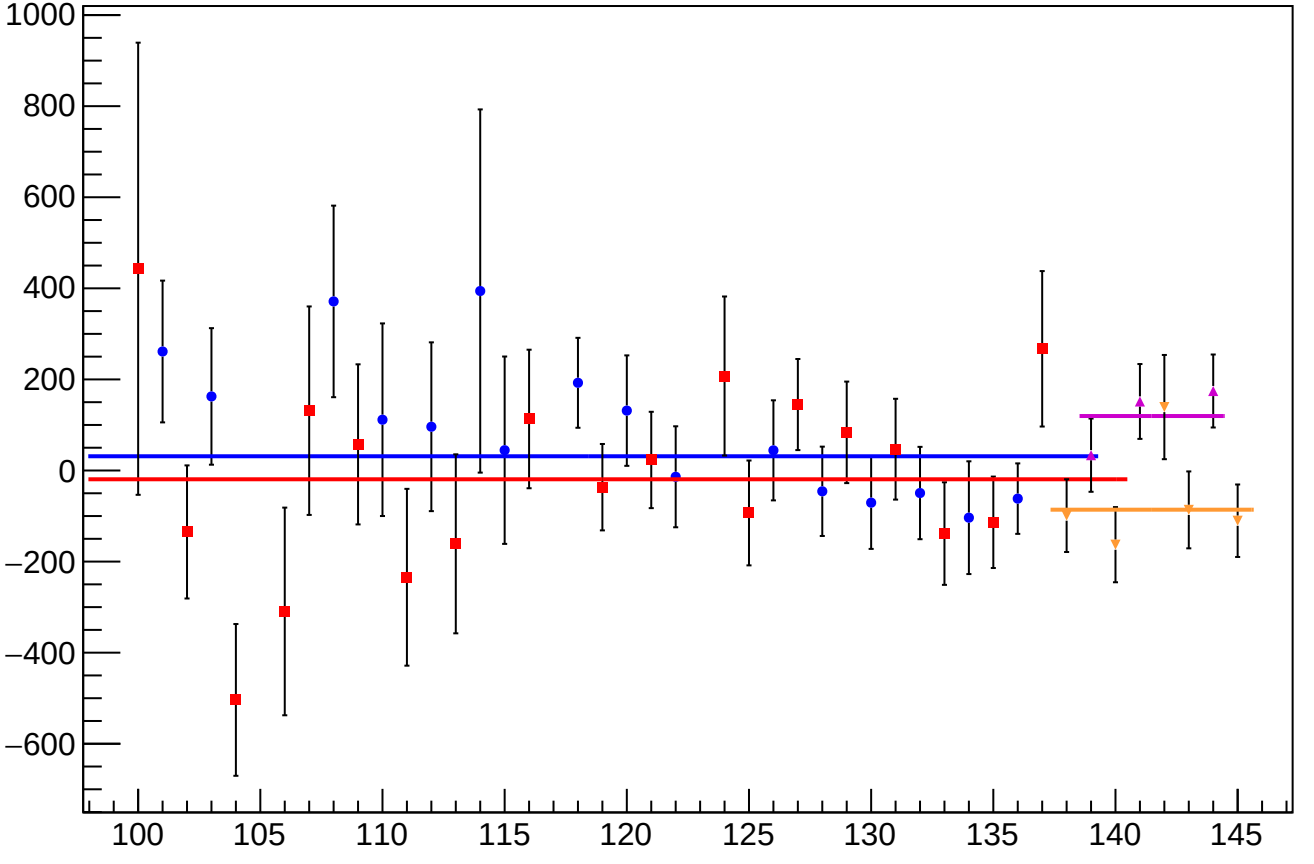
Left In: 291.367+/-0.129 χ^2/NDF:105730.7/2

+ sign 352.807+/-0.081 χ^2/NDF: 2785965.2/20

All: 357.488+/-0.060 χ^2/NDF: 5851665.8/42

- sign 363.012+/-0.088 χ^2/NDF: 3058404.5/21

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

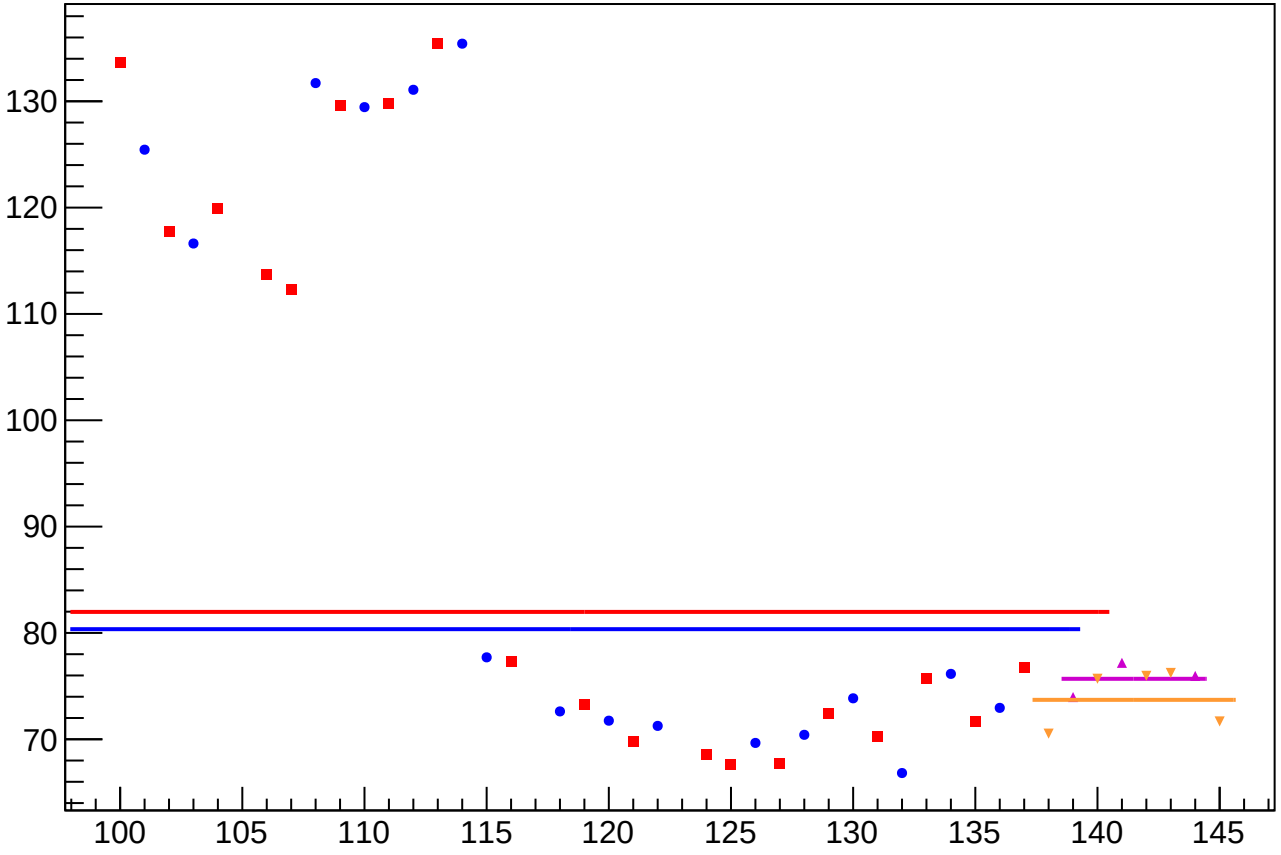
Left In: 119.613+/-46.702 χ^2/NDF:1.8/2

\+ sign -14.635+/-24.021 χ^2/NDF: 25.6/20

All: 2.940+/-17.600 χ^2/NDF: 60.4/42

\- sign 23.312+/-25.862 χ^2/NDF: 33.6/21

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

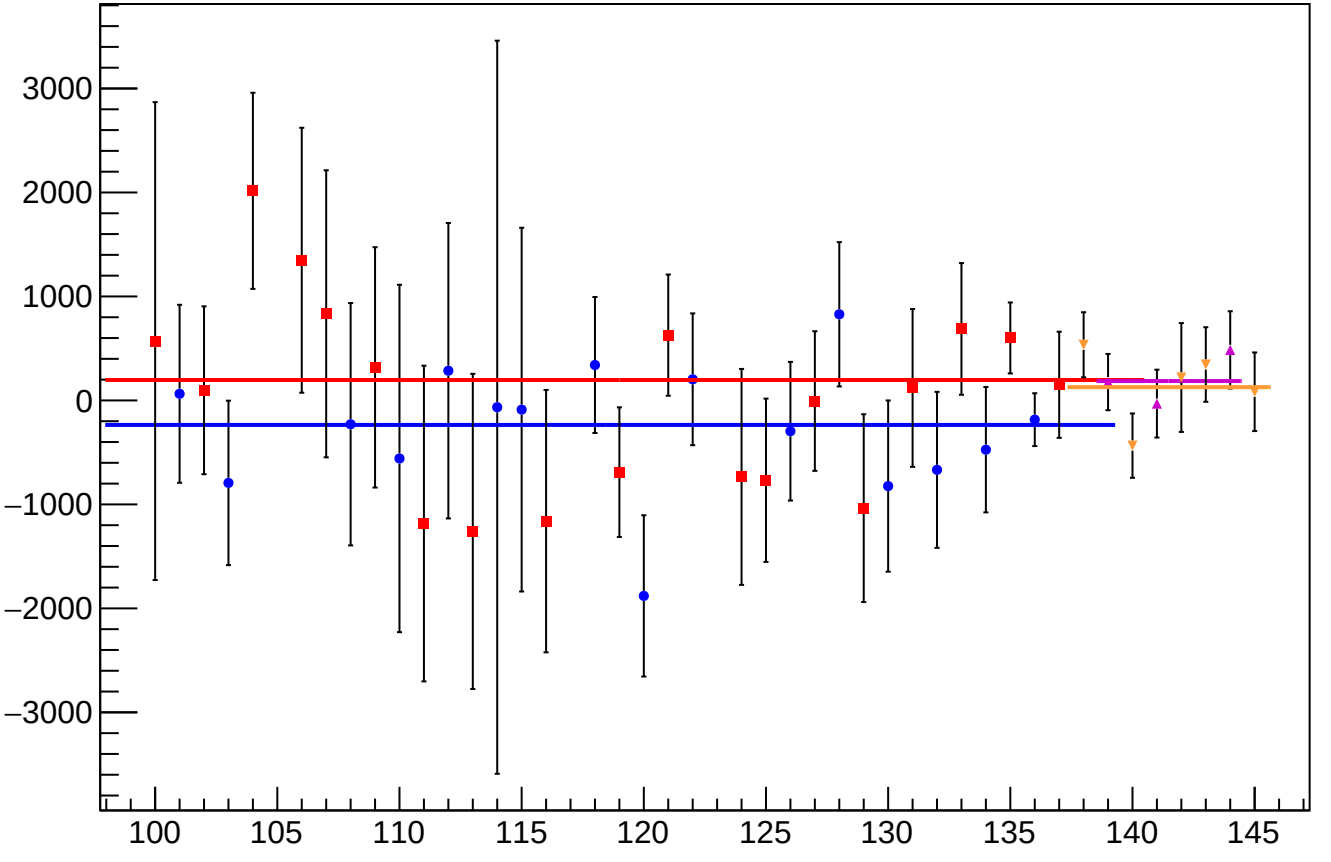
Left In: 75.686+/-0.033 χ^2/NDF:1603.3/2

+ sign 77.754+/-0.017 χ^2/NDF: 884709.5/20

All: 78.816+/-0.012 χ^2/NDF: 1850402.1/42

- sign 80.048+/-0.018 χ^2/NDF: 957240.0/21

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

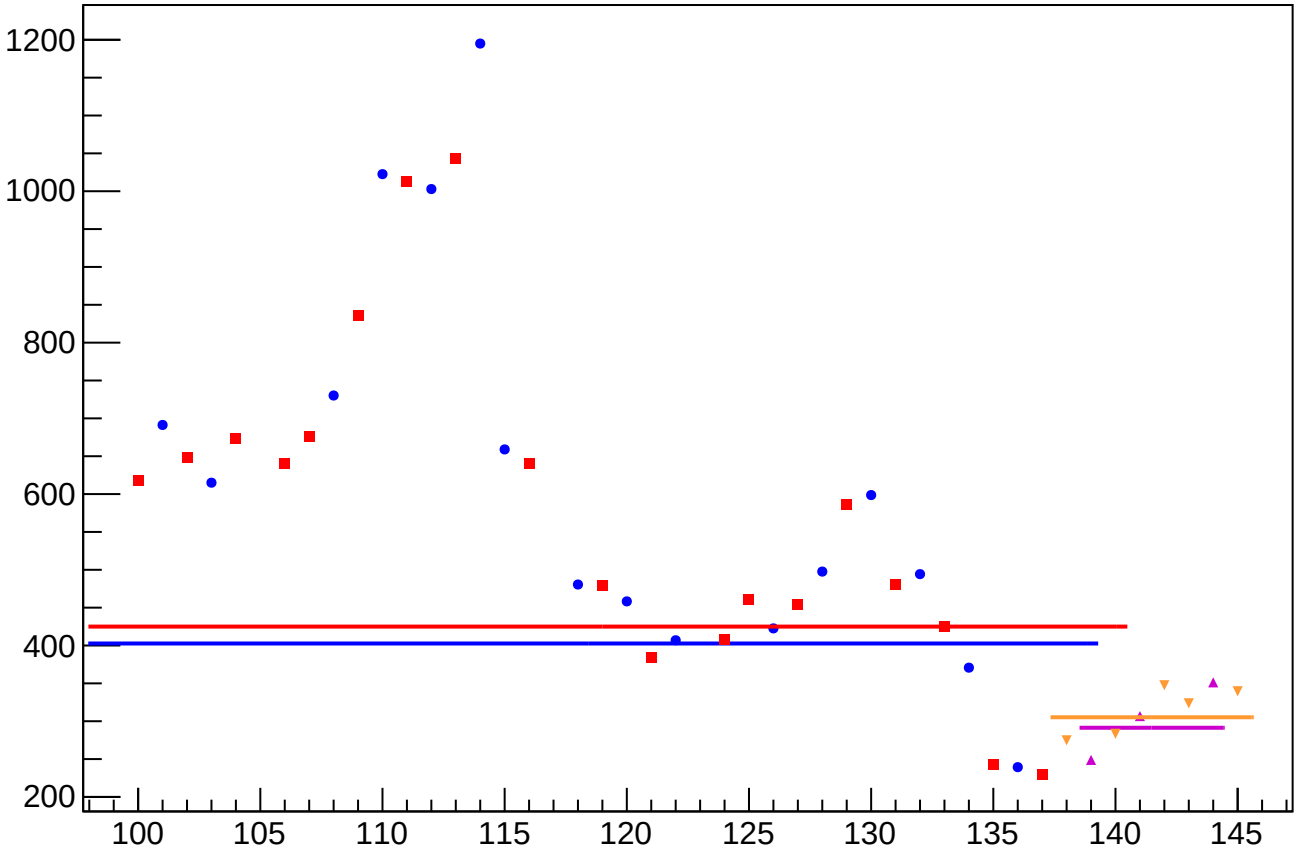
Left In: 186.309+/-181.757 χ^2/NDF:1.1/2

\+ sign -49.675+/-114.440 χ^2/NDF: 17.9/20

All: 61.048+/-84.207 χ^2/NDF: 37.6/42

\- sign 191.772+/-124.348 χ^2/NDF: 17.7/21

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

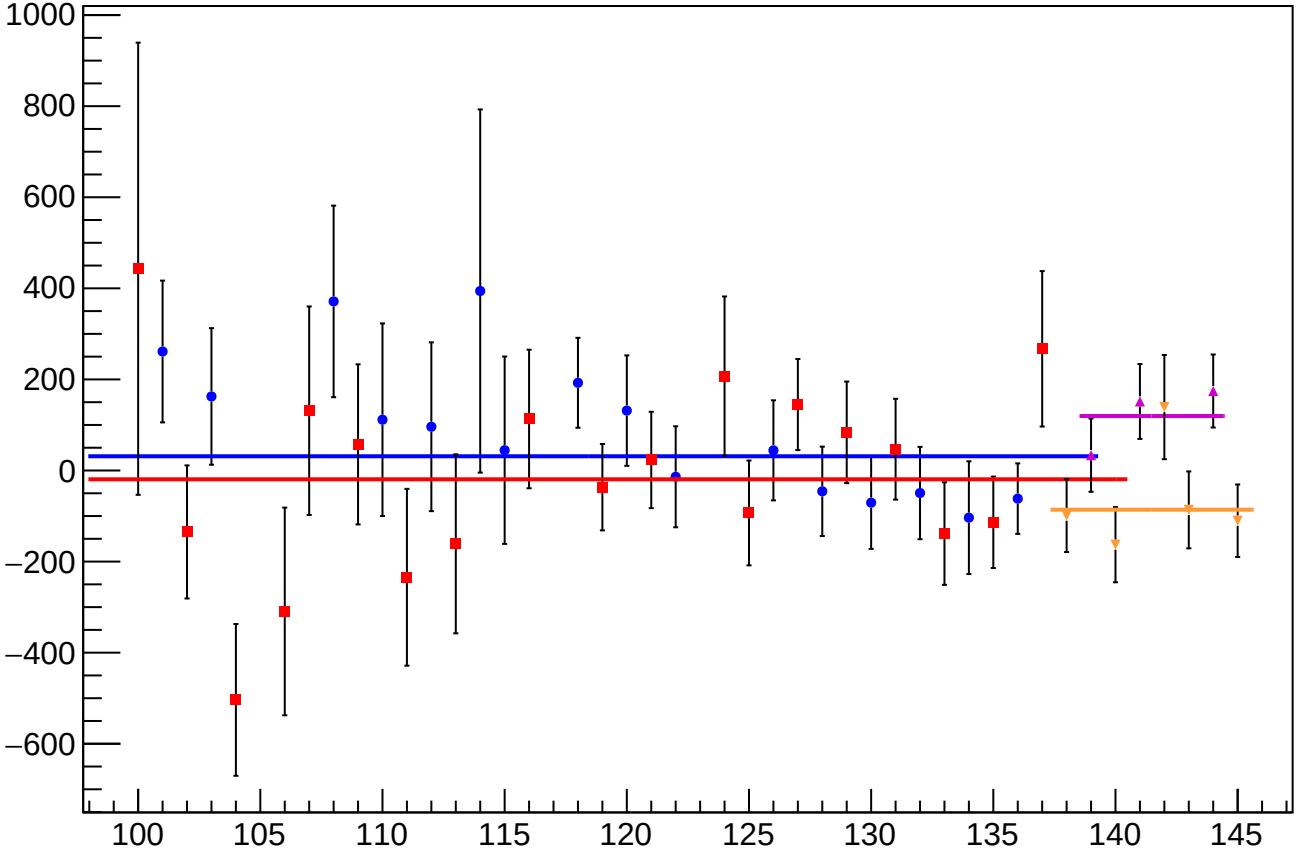
Left In: 291.366+/-0.129 χ^2/NDF:105730.6/2

+ sign 352.807+/-0.081 χ^2/NDF: 2785966.4/20

All: 357.227+/-0.060 χ^2/NDF: 5814232.5/42

- sign 362.446+/-0.088 χ^2/NDF: 3021759.4/21

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

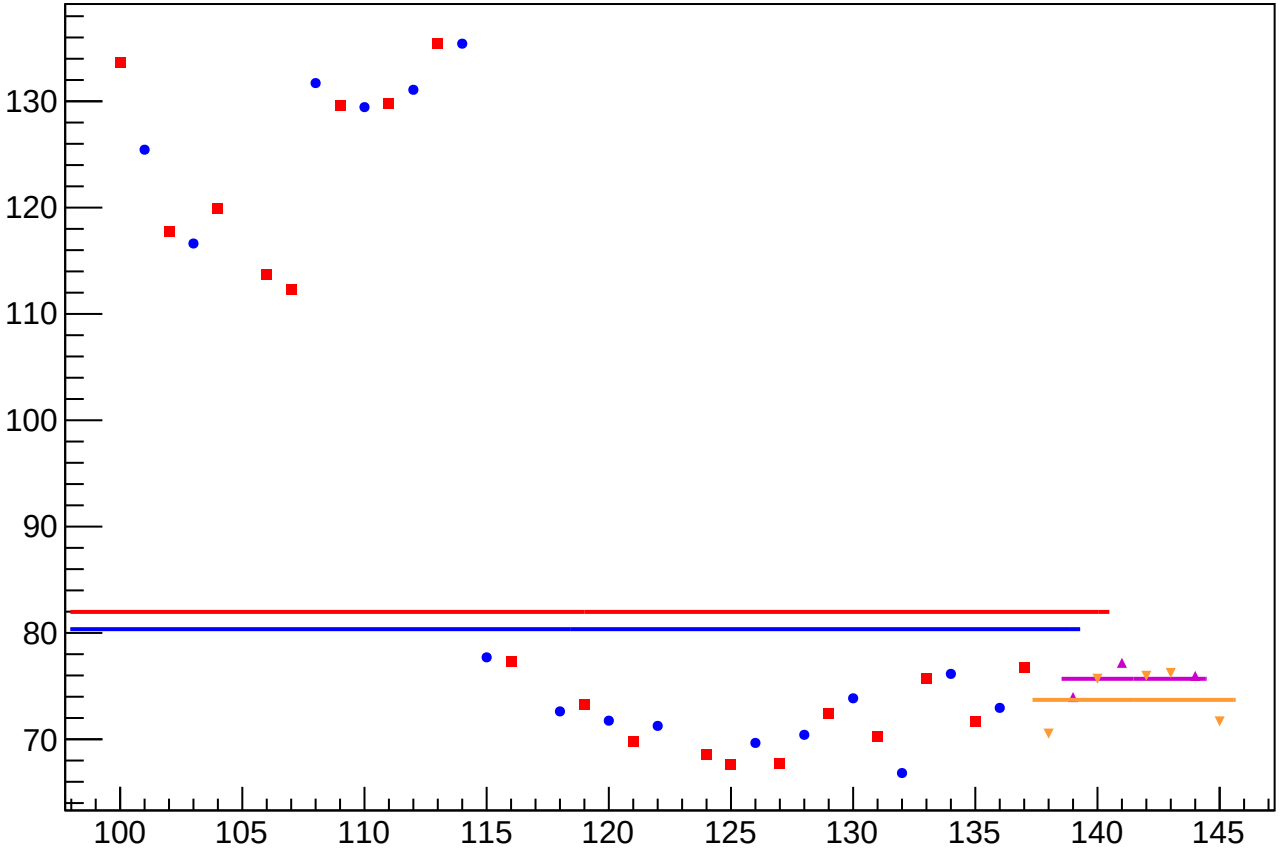
Left In: 119.613+/-46.702 χ^2/NDF:1.8/2

\+ sign -14.635+/-24.021 χ^2/NDF: 25.6/20

All: 2.940+/-17.600 χ^2/NDF: 60.4/42

\- sign 23.312+/-25.862 χ^2/NDF: 33.6/21

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

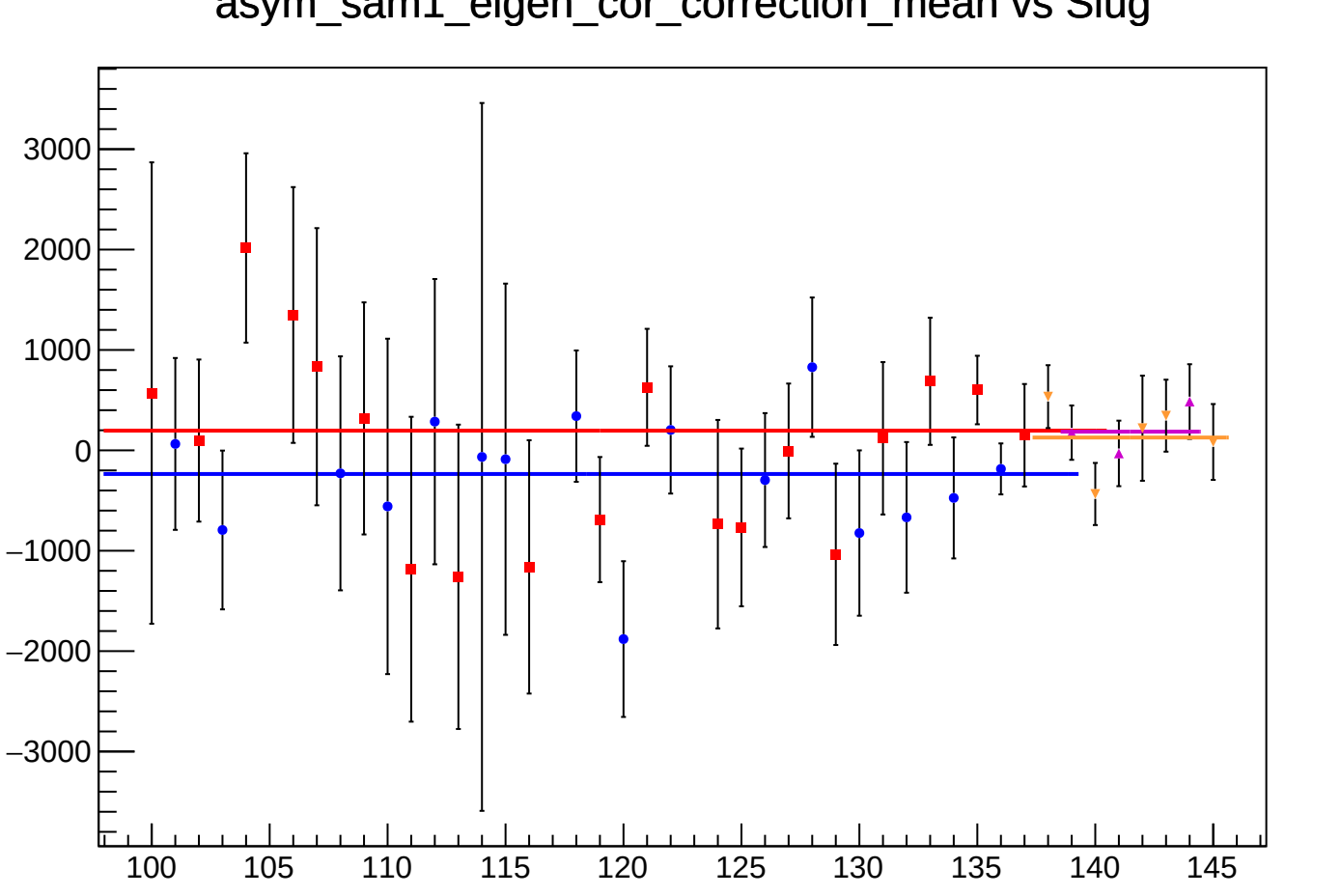
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 75.686+/-0.033 χ^2/NDF:1603.3/2

+ sign 77.754+/-0.017 χ^2/NDF: 884709.5/20

All: 78.816+/-0.012 χ^2/NDF: 1850402.1/42

- sign 80.048+/-0.018 χ^2/NDF: 957240.0/21



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

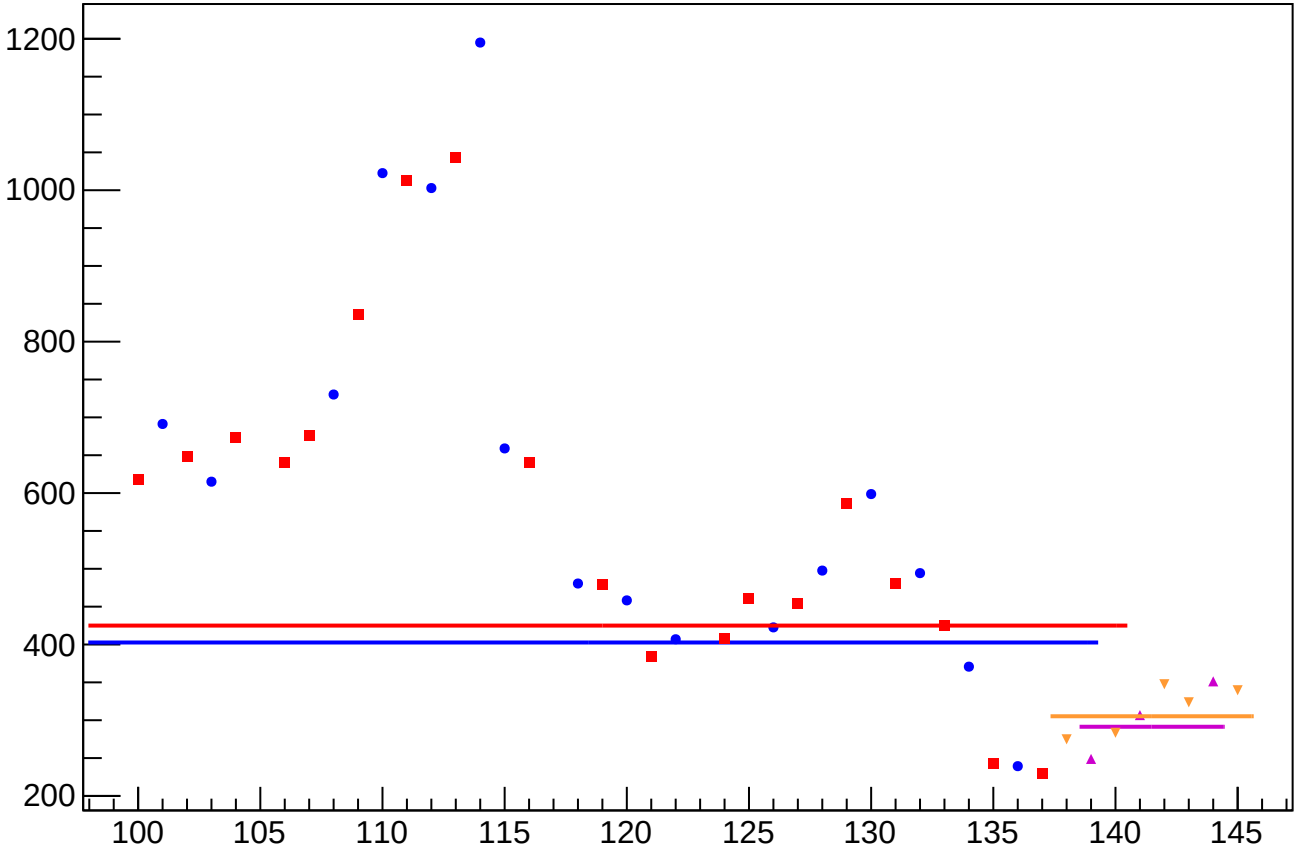
Left In: 186.309+/-181.757 χ^2/NDF:1.1/2

\+ sign -49.675+/-114.440 χ^2/NDF: 17.9/20

All: 61.048+/-84.207 χ^2/NDF: 37.6/42

\- sign 191.772+/-124.348 χ^2/NDF: 17.7/21

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

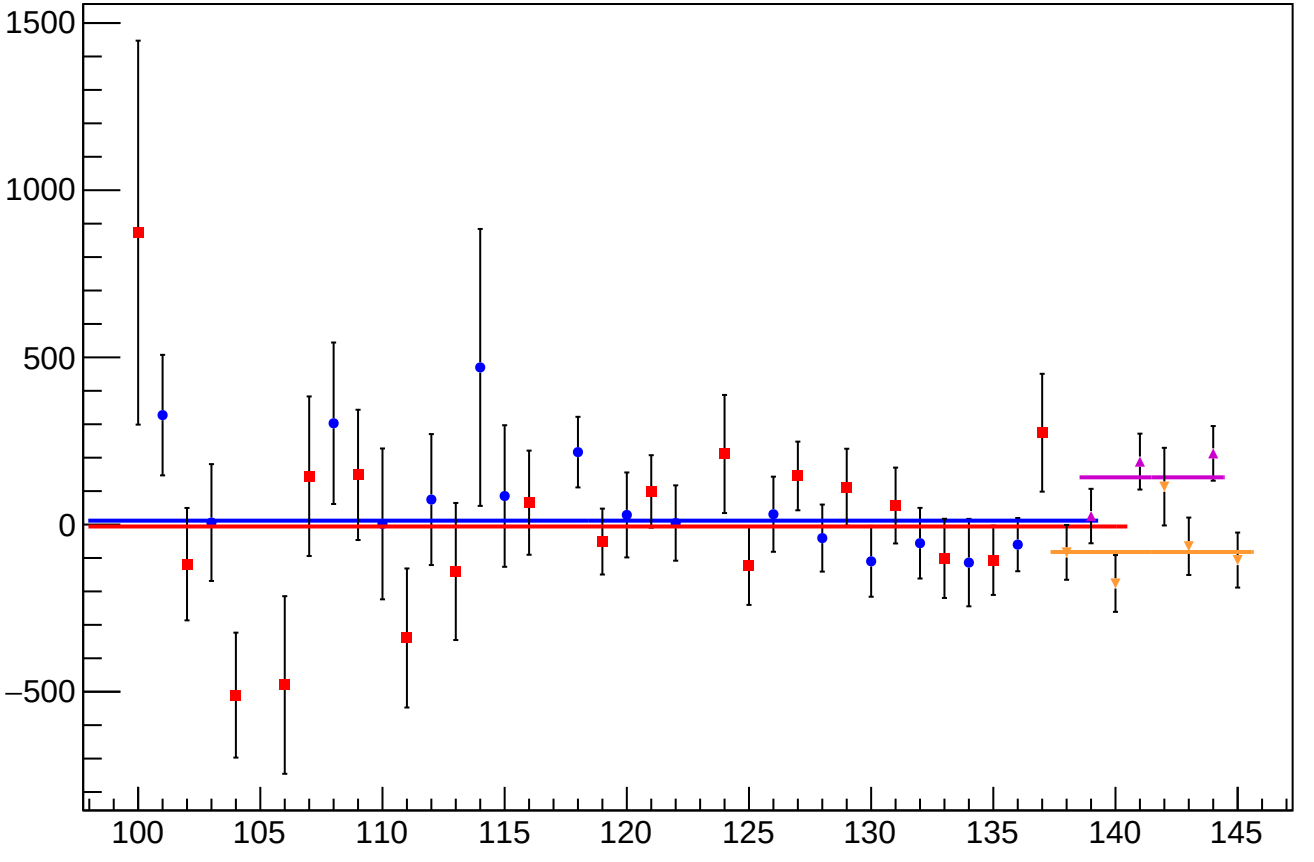
Left In: 291.366+/-0.129 χ^2/NDF:105730.6/2

+ sign 352.807+/-0.081 χ^2/NDF: 2785966.4/20

All: 357.227+/-0.060 χ^2/NDF: 5814232.5/42

- sign 362.446+/-0.088 χ^2/NDF: 3021759.4/21

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

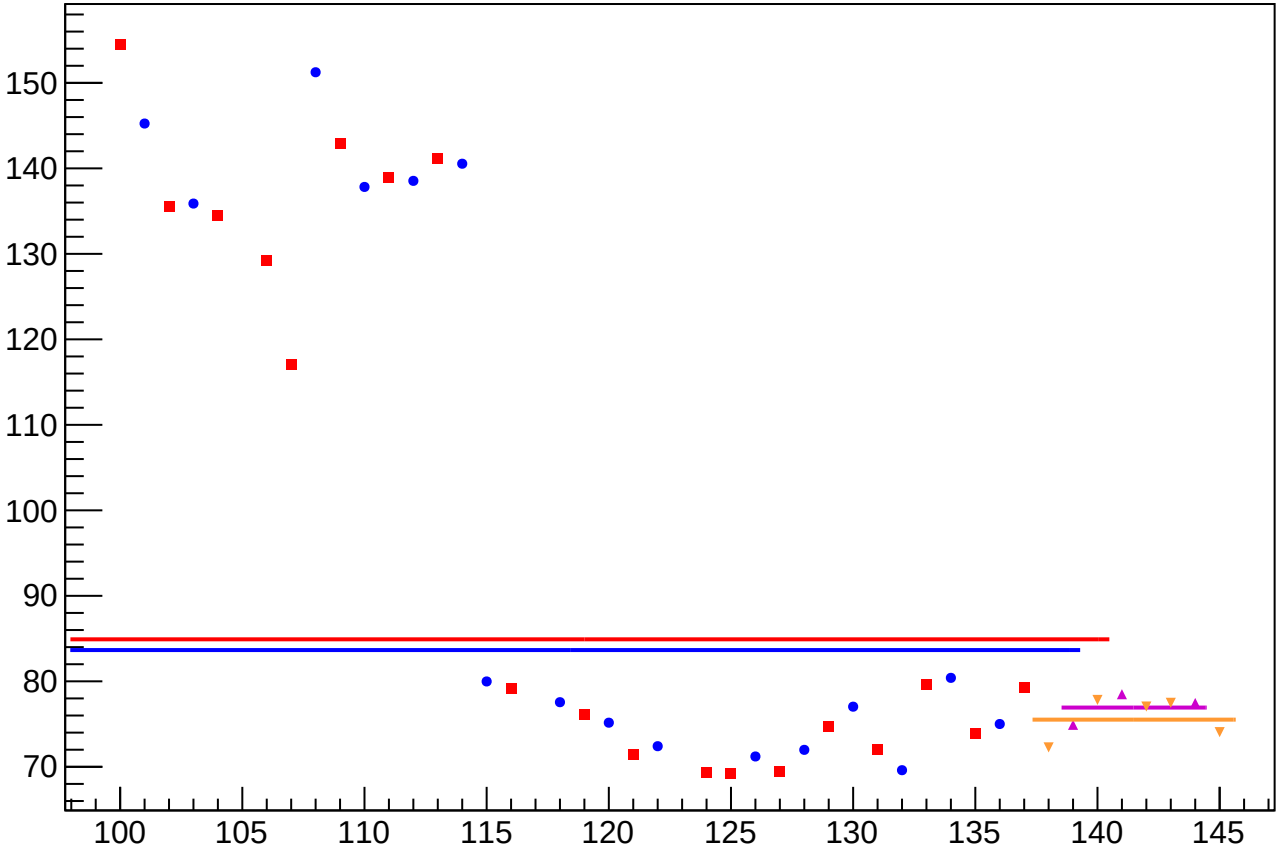
Left In: 141.227+/-47.475 χ^2/NDF:3.1/2

+ sign -26.069+/-24.966 χ^2/NDF: 21.1/20

All: 5.106+/-18.263 χ^2/NDF: 62.9/42

- sign 40.993+/-26.786 χ^2/NDF: 38.4/21

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

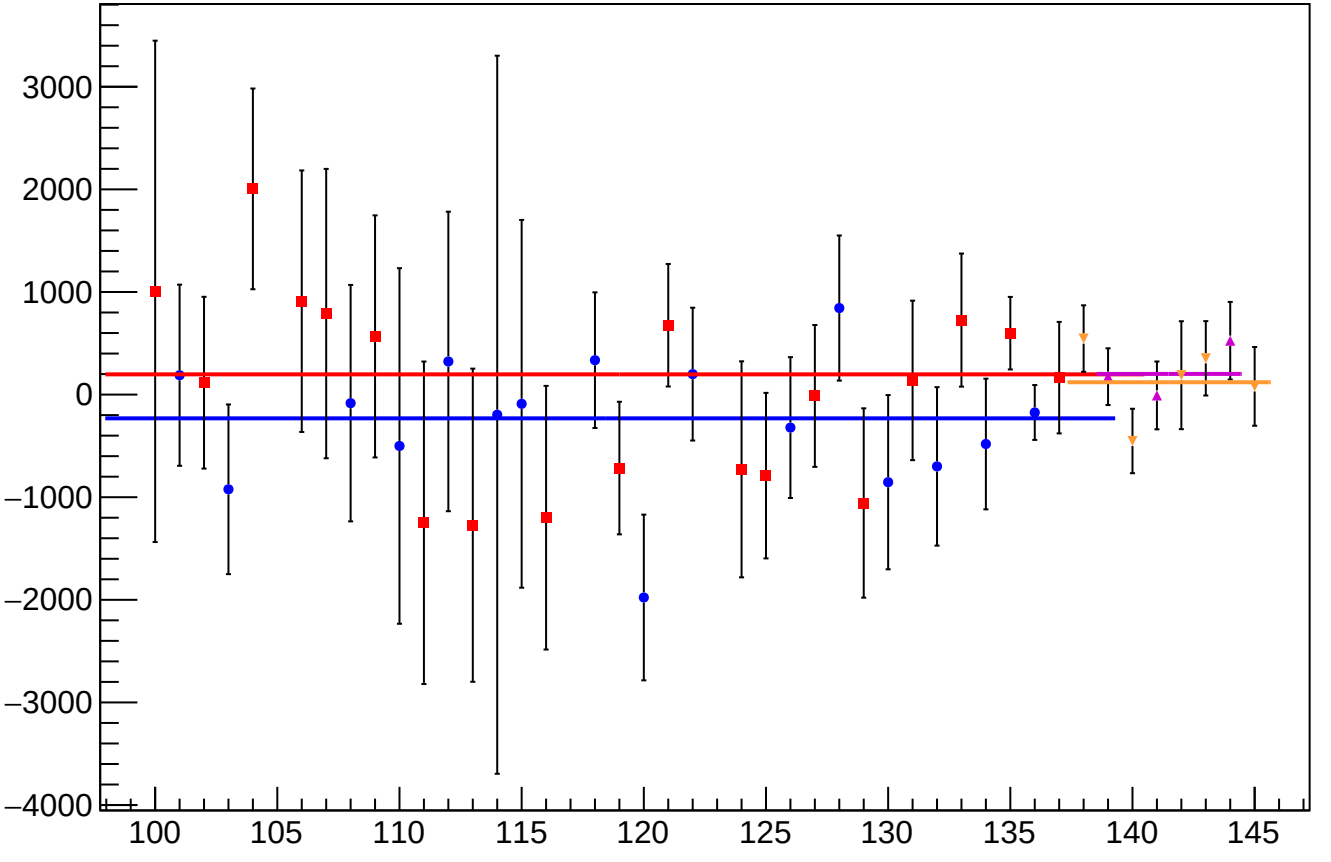
Left In: 76.930+/-0.034 χ^2/NDF:2011.4/2

+ sign 80.382+/-0.018 χ^2/NDF: 1092560.0/20

All: 81.307+/-0.013 χ^2/NDF: 2260693.1/42

- sign 82.372+/-0.019 χ^2/NDF: 1162225.1/21

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

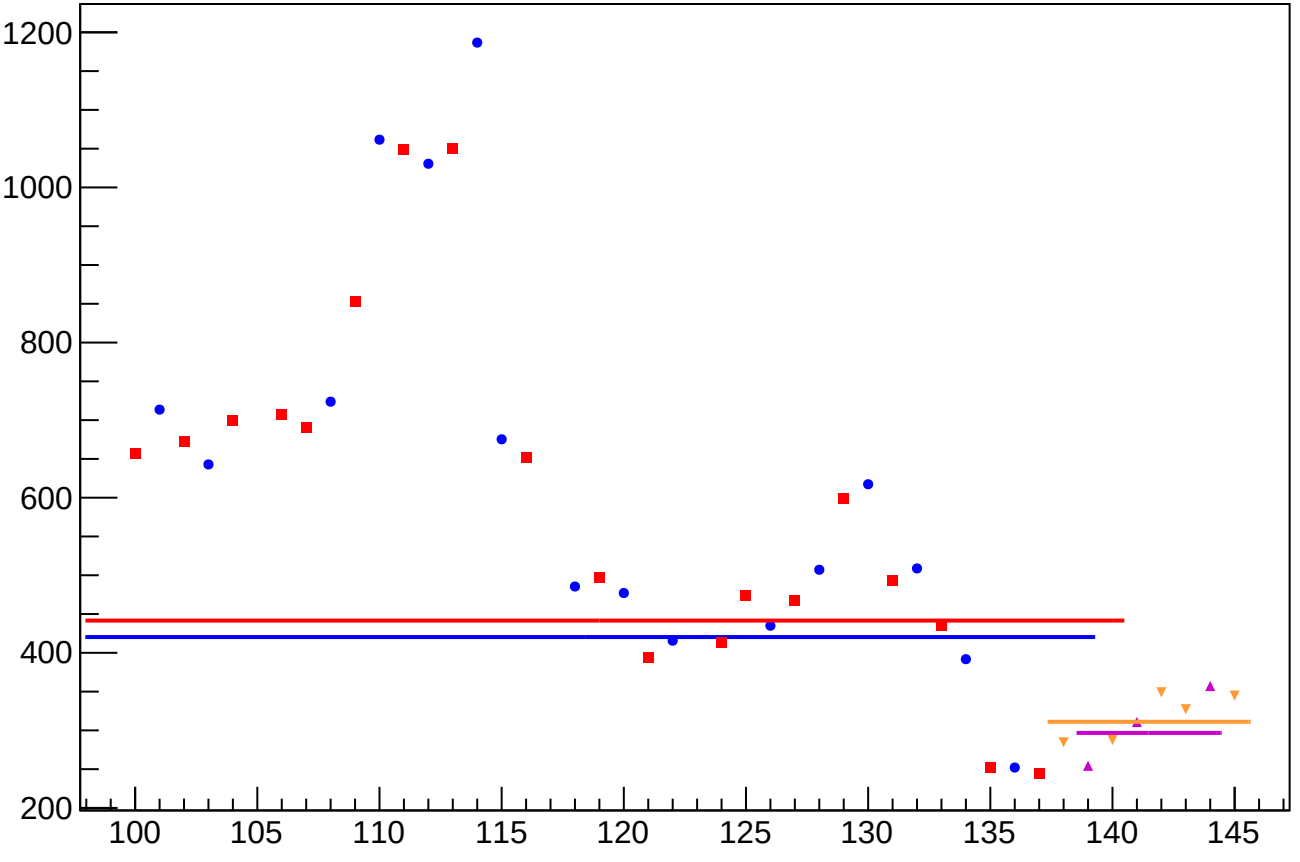
Left In: 201.511+/-184.994 χ^2/NDF:1.1/2

\+ sign -47.915+/-117.658 χ^2/NDF: 18.1/20

All: 65.717+/-86.481 χ^2/NDF: 37.2/42

\- sign 199.253+/-127.547 χ^2/NDF: 17.0/21

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

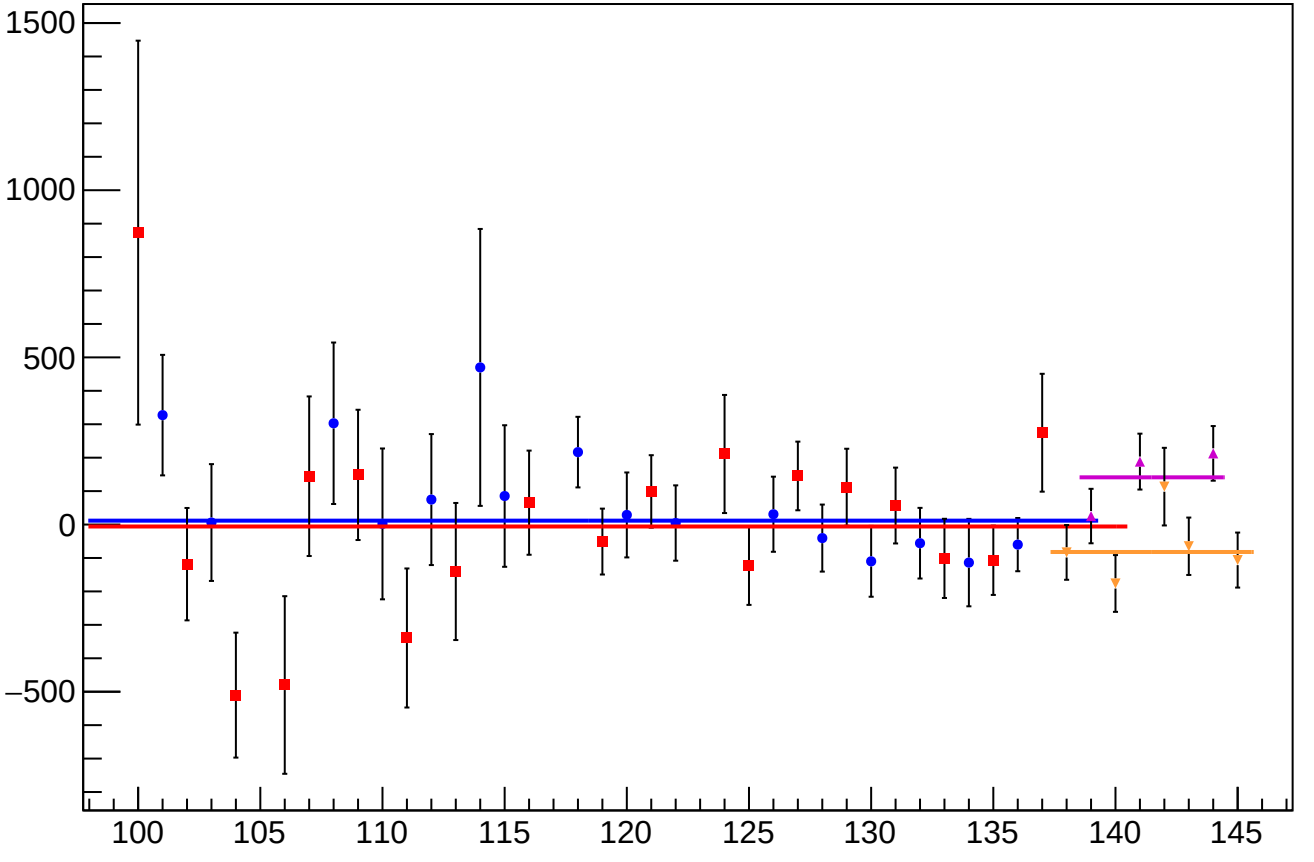
Left In: 296.710+/-0.131 χ^2/NDF:101675.0/2

+ sign 363.325+/-0.083 χ^2/NDF: 2739394.5/20

All: 367.646+/-0.061 χ^2/NDF: 5798163.6/42

- sign 372.724+/-0.090 χ^2/NDF: 3052901.3/21

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

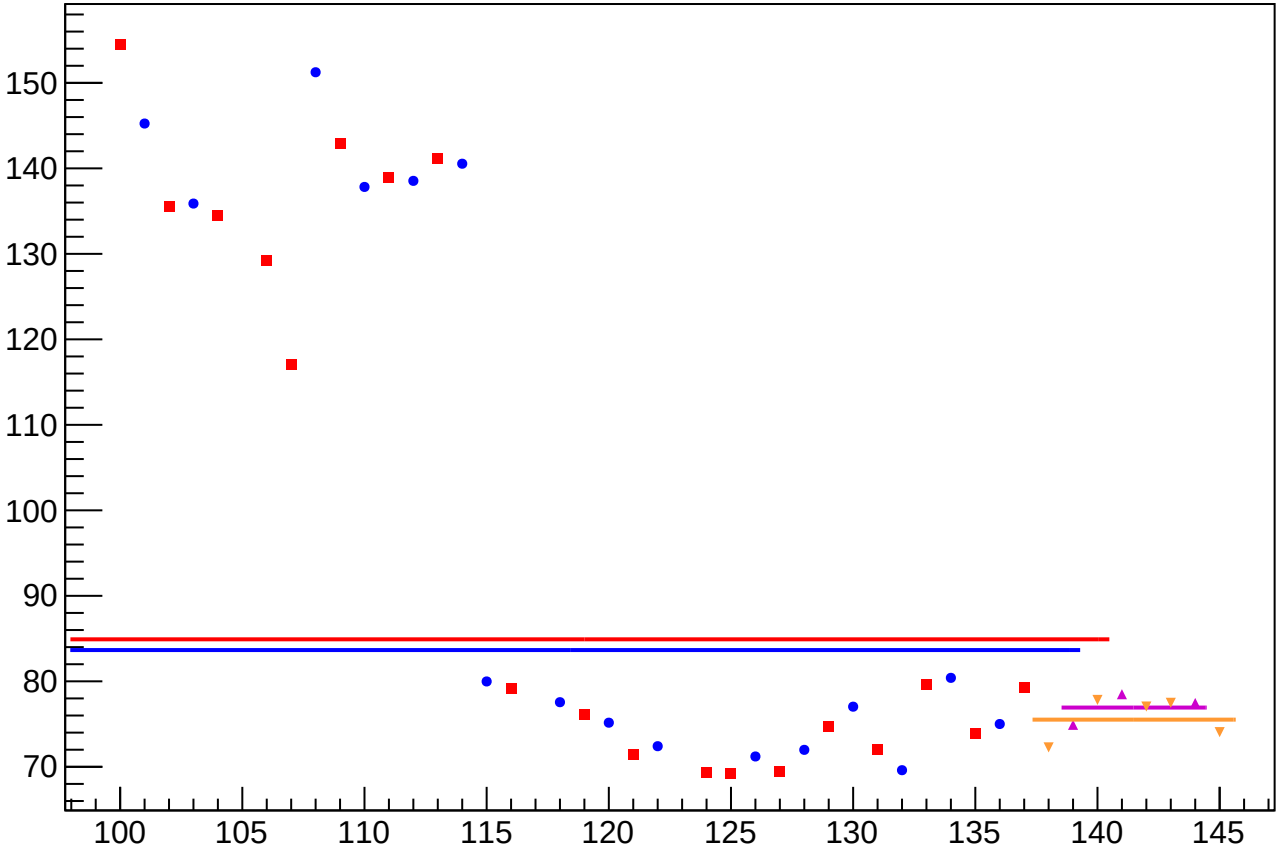
Left In: 141.227+/-47.475 χ^2/NDF:3.1/2

+ sign -26.069+/-24.966 χ^2/NDF: 21.1/20

All: 5.106+/-18.263 χ^2/NDF: 62.9/42

- sign 40.993+/-26.786 χ^2/NDF: 38.4/21

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

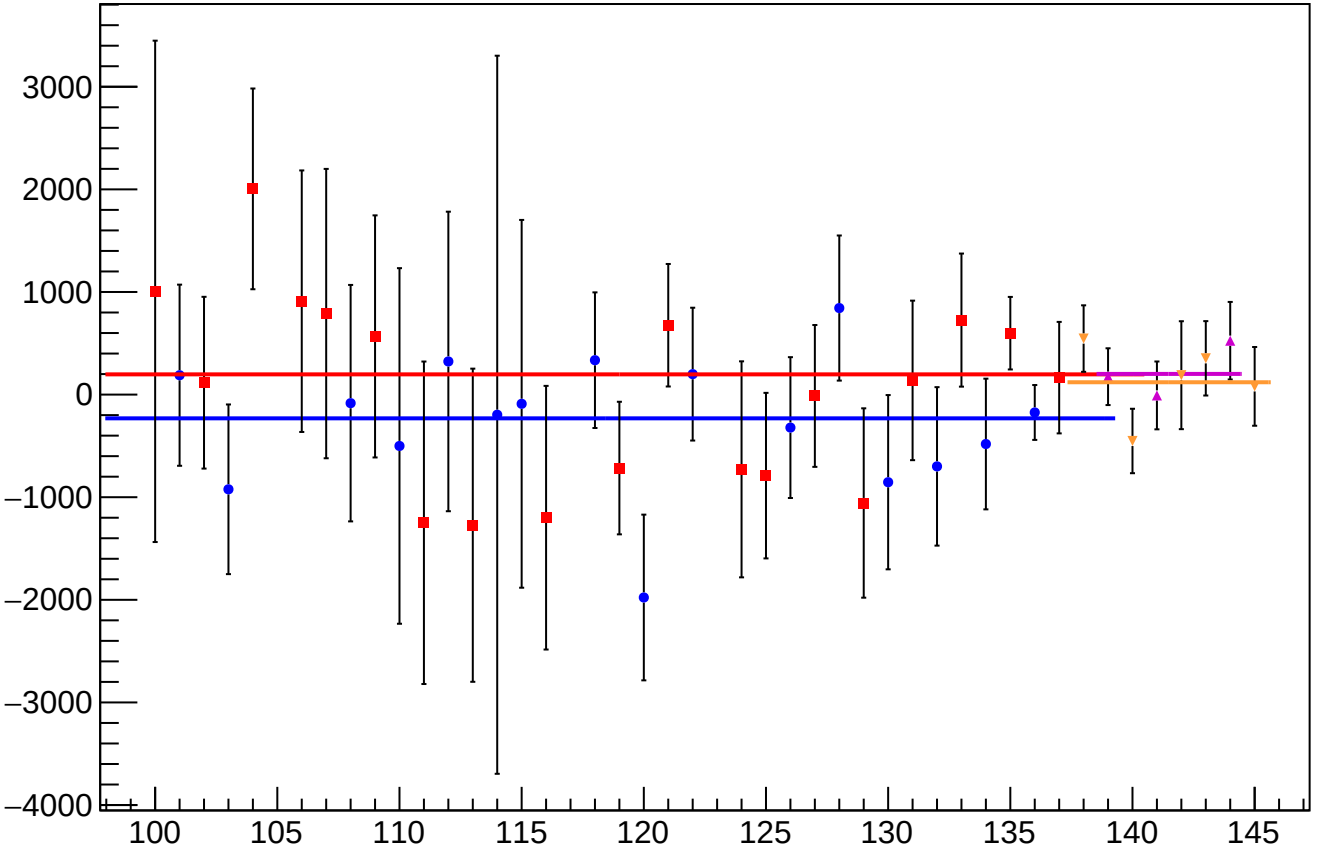
Left In: 76.930+/-0.034 χ^2/NDF:2011.5/2

+ sign 80.382+/-0.018 χ^2/NDF: 1092558.8/20

All: 81.307+/-0.013 χ^2/NDF: 2260690.2/42

- sign 82.372+/-0.019 χ^2/NDF: 1162223.5/21

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

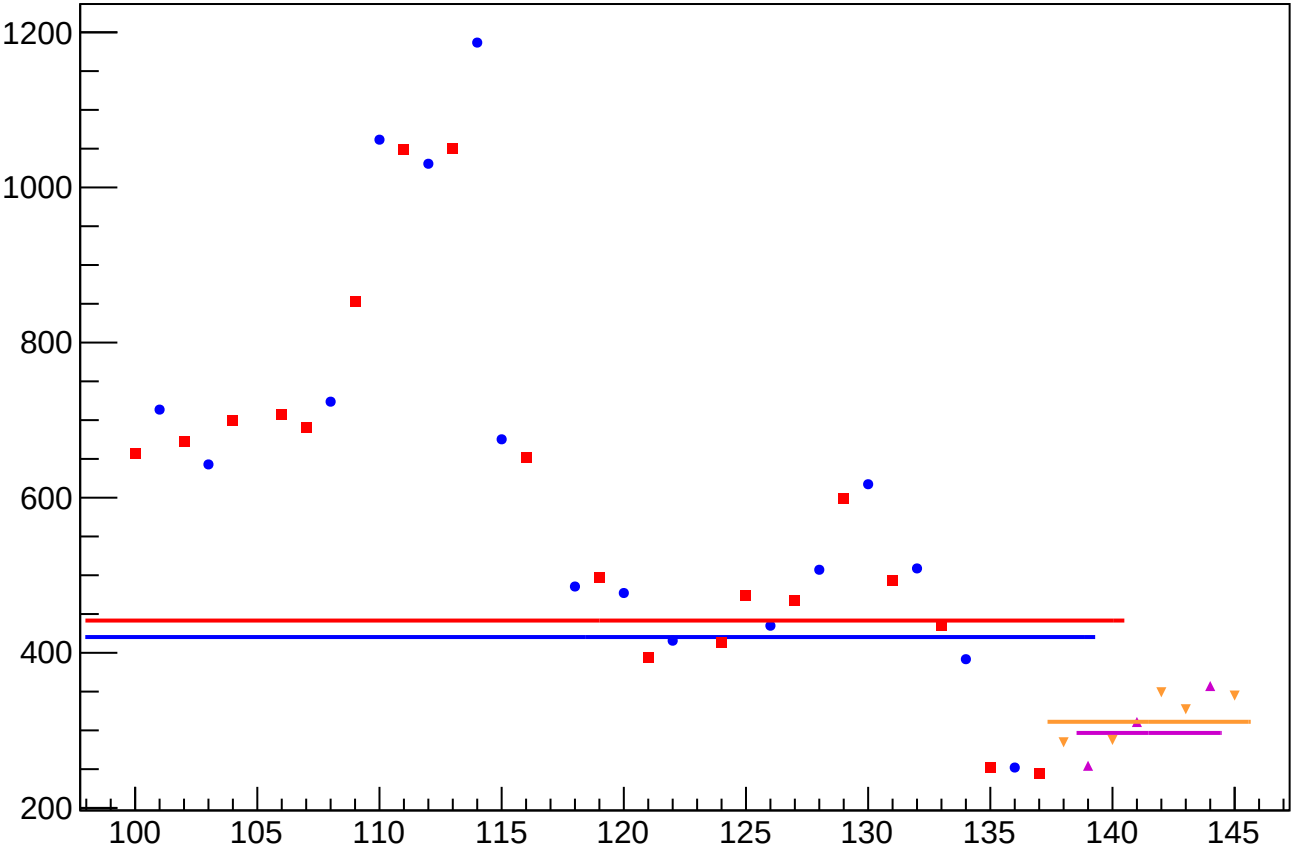
Left In: 201.511+/-184.994 χ^2/NDF:1.1/2

\+ sign -47.914+/-117.657 χ^2/NDF: 18.1/20

All: 65.717+/-86.481 χ^2/NDF: 37.2/42

\- sign 199.253+/-127.546 χ^2/NDF: 17.0/21

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

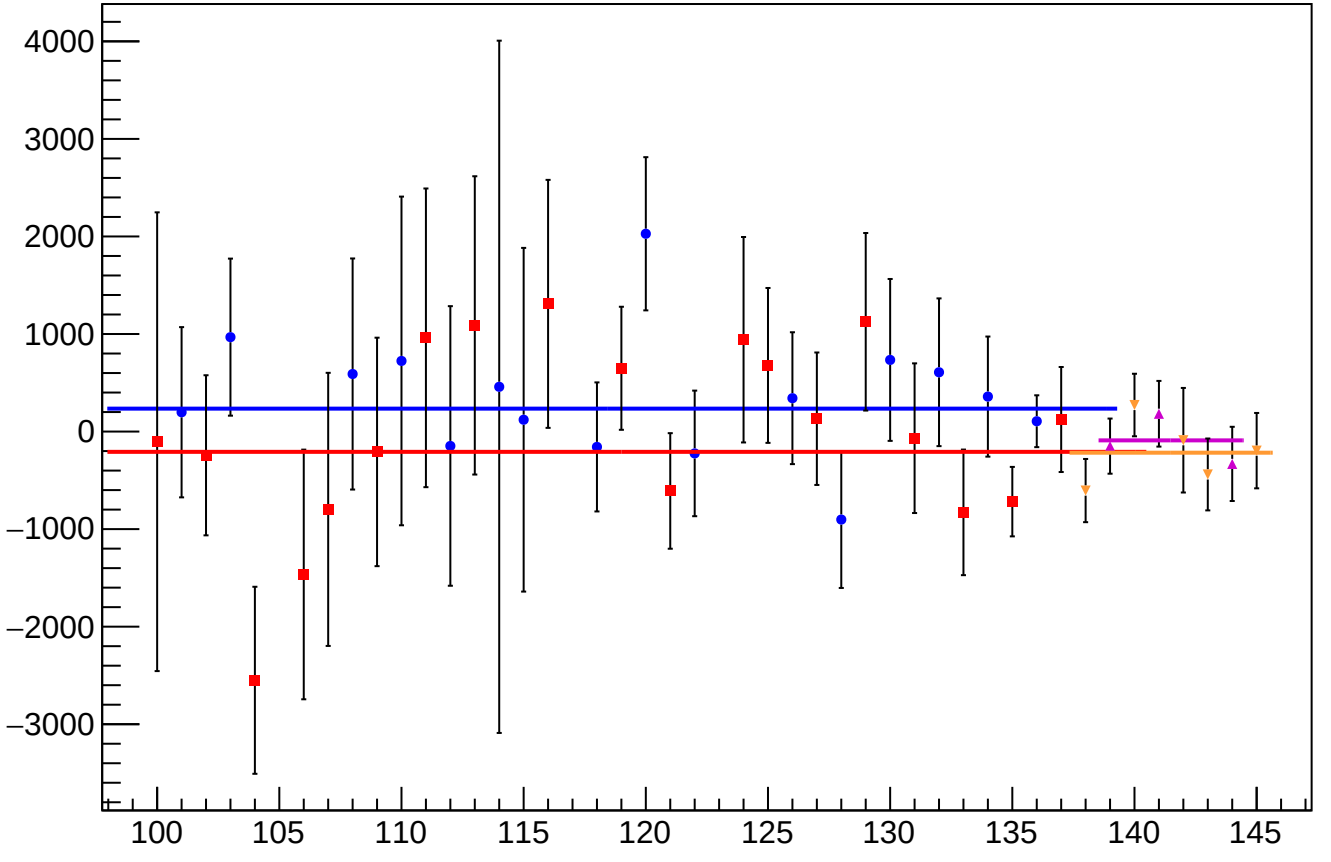
Left In: 296.709+/-0.131 χ^2/NDF:101675.0/2

\+ sign 363.324+/-0.083 χ^2/NDF: 2739397.1/20

All: 367.645+/-0.061 χ^2/NDF: 5798169.7/42

\- sign 372.723+/-0.090 χ^2/NDF: 3052904.7/21

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

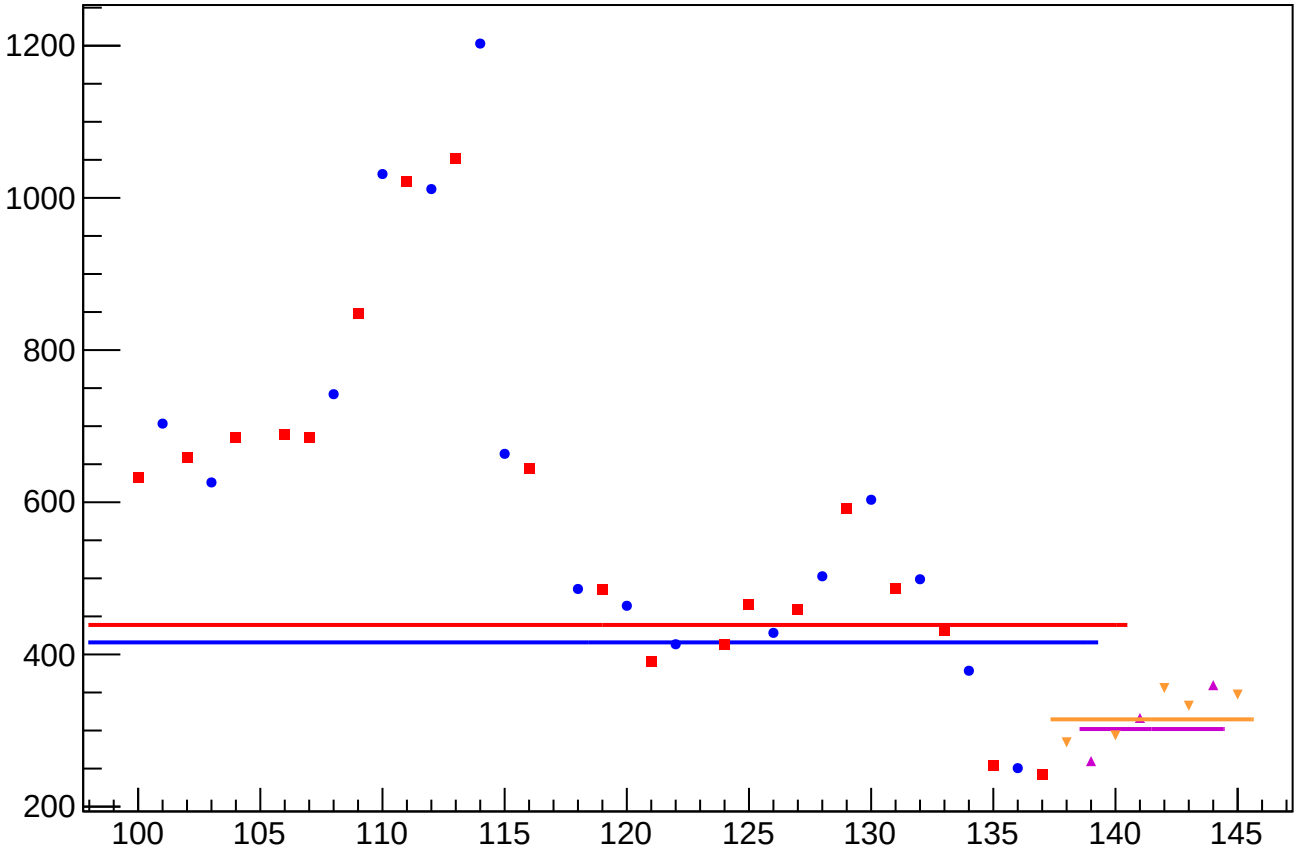
Left In: -90.322+/-188.129 χ^2/NDF:1.1/2

+ sign 4.637+/-117.725 χ^2/NDF: 18.6/20

All: -67.803+/-86.656 χ^2/NDF: 41.1/42

- sign -153.471+/-128.022 χ^2/NDF: 21.7/21

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

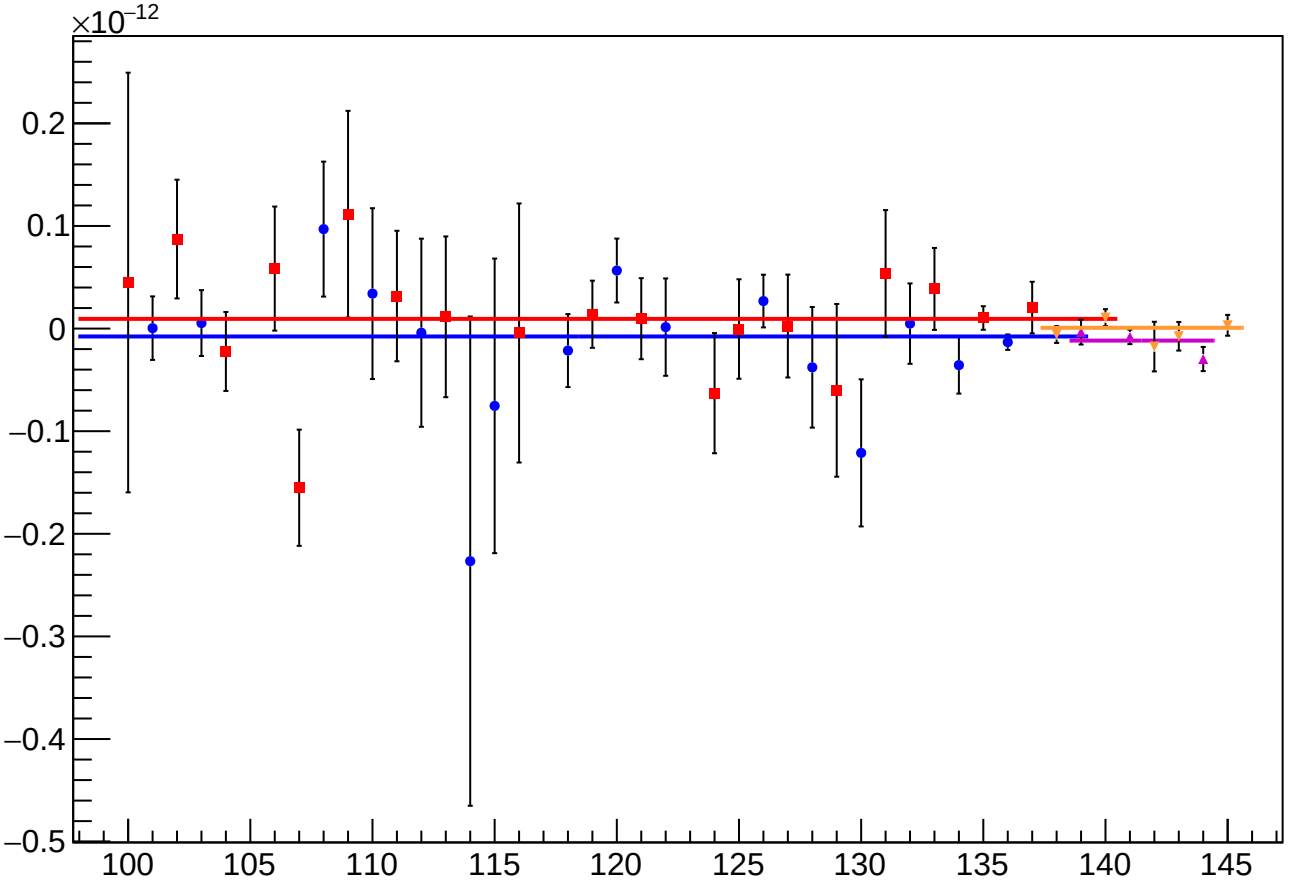
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 301.967+/-0.133 χ^2/NDF:94277.4/2

+ sign 364.255+/-0.083 χ^2/NDF: 2649411.9/20

All: 369.371+/-0.061 χ^2/NDF: 5554559.1/42

- sign 375.420+/-0.091 χ^2/NDF: 2896904.9/21



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

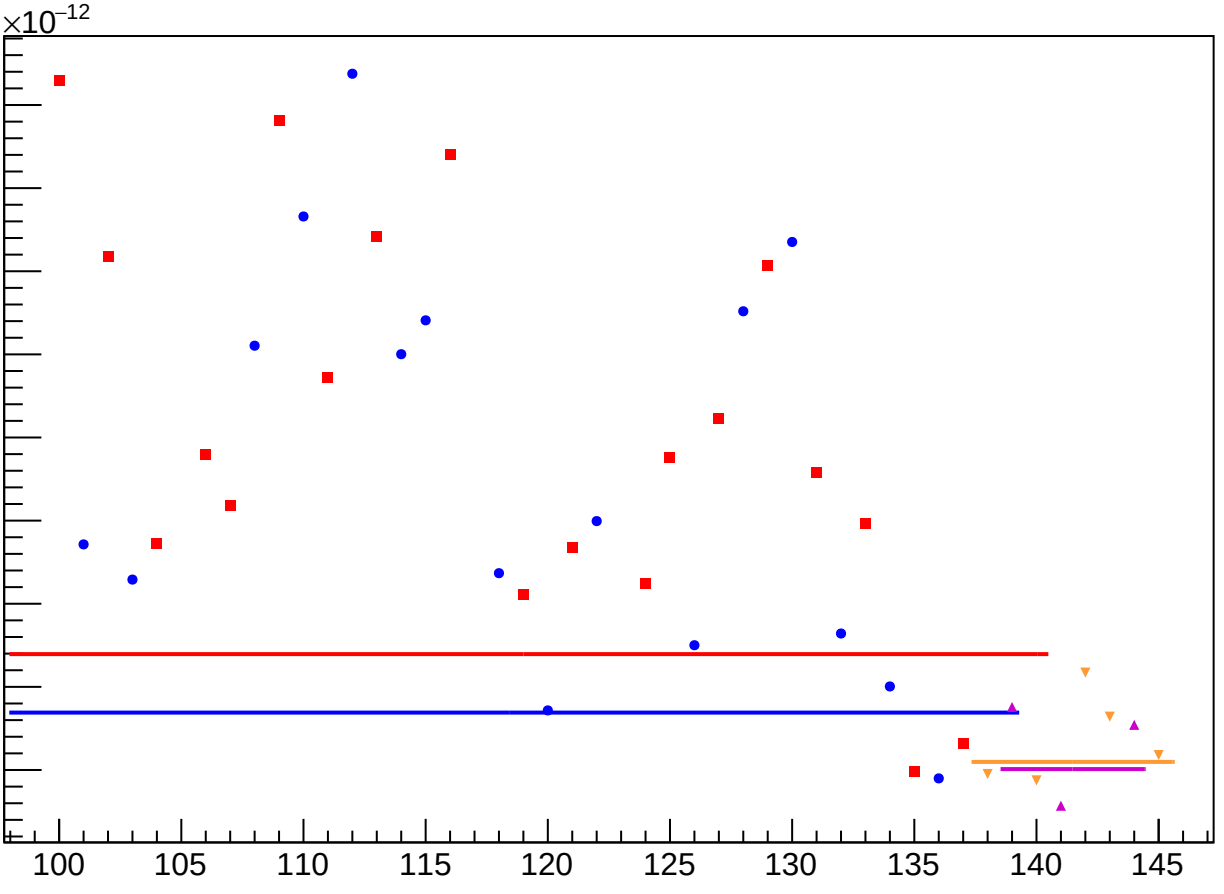
Left In: -0.000+/-0.000 χ^2/NDF:3.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 19.0/20

All: -0.000+/-0.000 χ^2/NDF: 43.3/42

- sign -0.000+/-0.000 χ^2/NDF: 24.1/21

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:229851.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

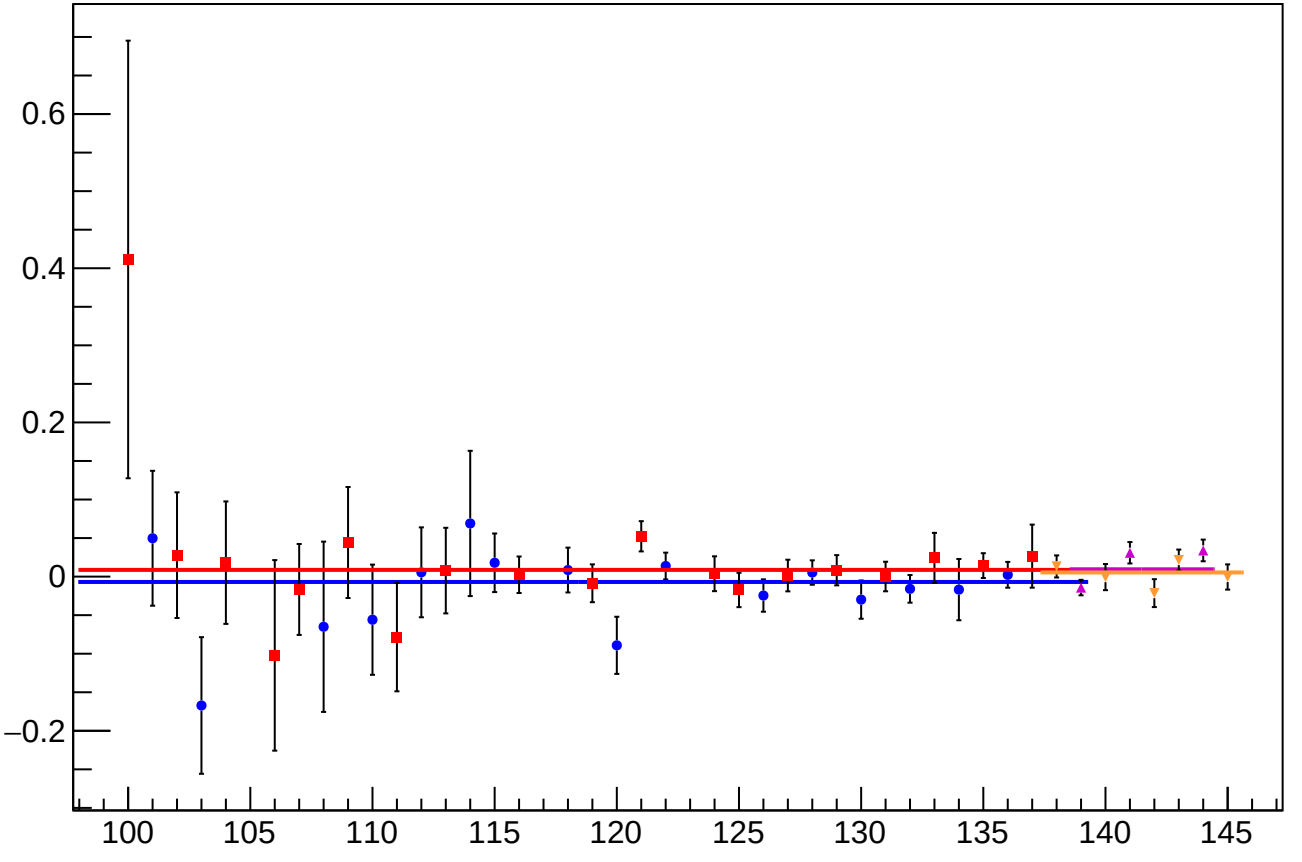
Left In: 0.000+/-0.000 χ^2/NDF:489337.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 3280630.7/20

All: 0.000+/-0.000 χ^2/NDF: 7551327.9/42

- sign 0.000+/-0.000 χ^2/NDF: 4249879.7/21

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

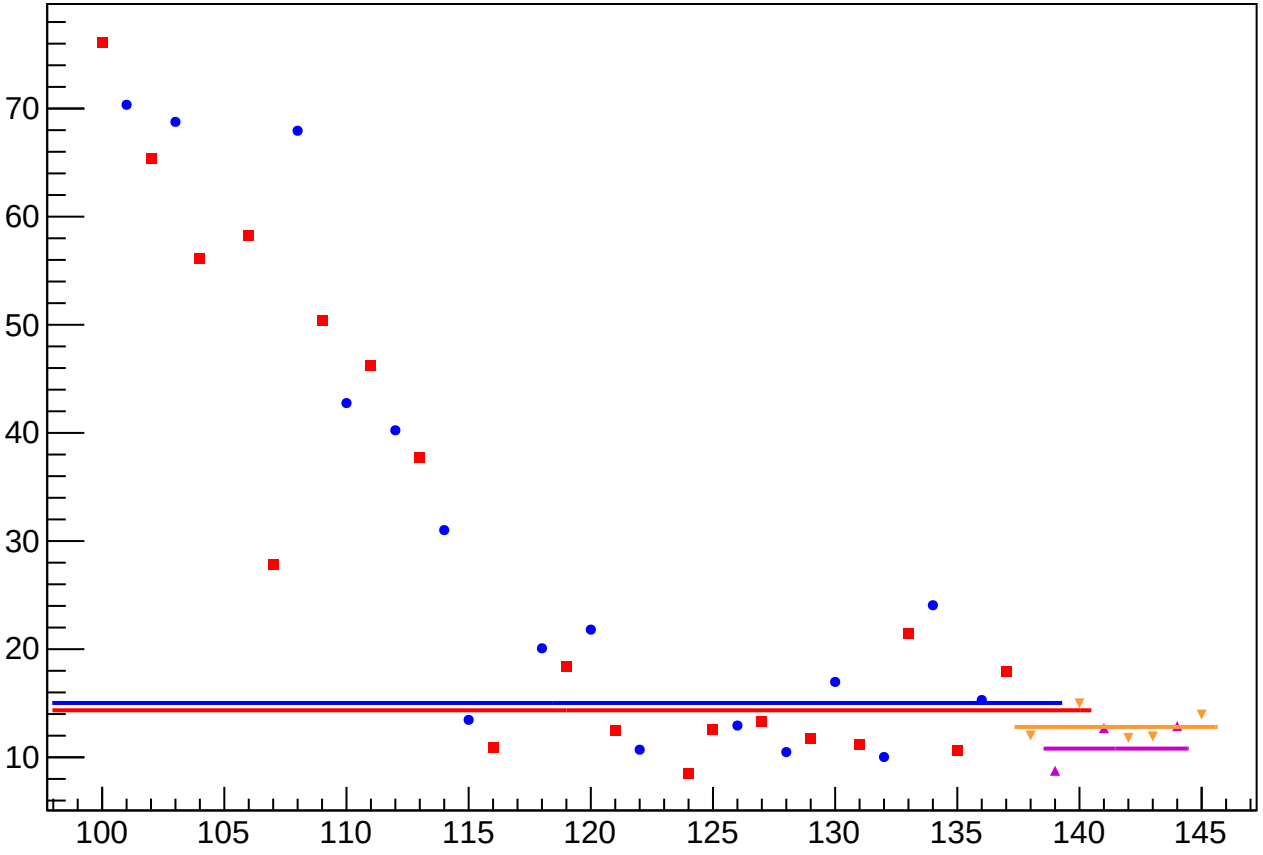
Left In: 0.009+/-0.007 χ^2/NDF:11.0/2

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/20

All: 0.004+/-0.003 χ^2/NDF: 46.6/42

- sign 0.009+/-0.005 χ^2/NDF: 23.7/21

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

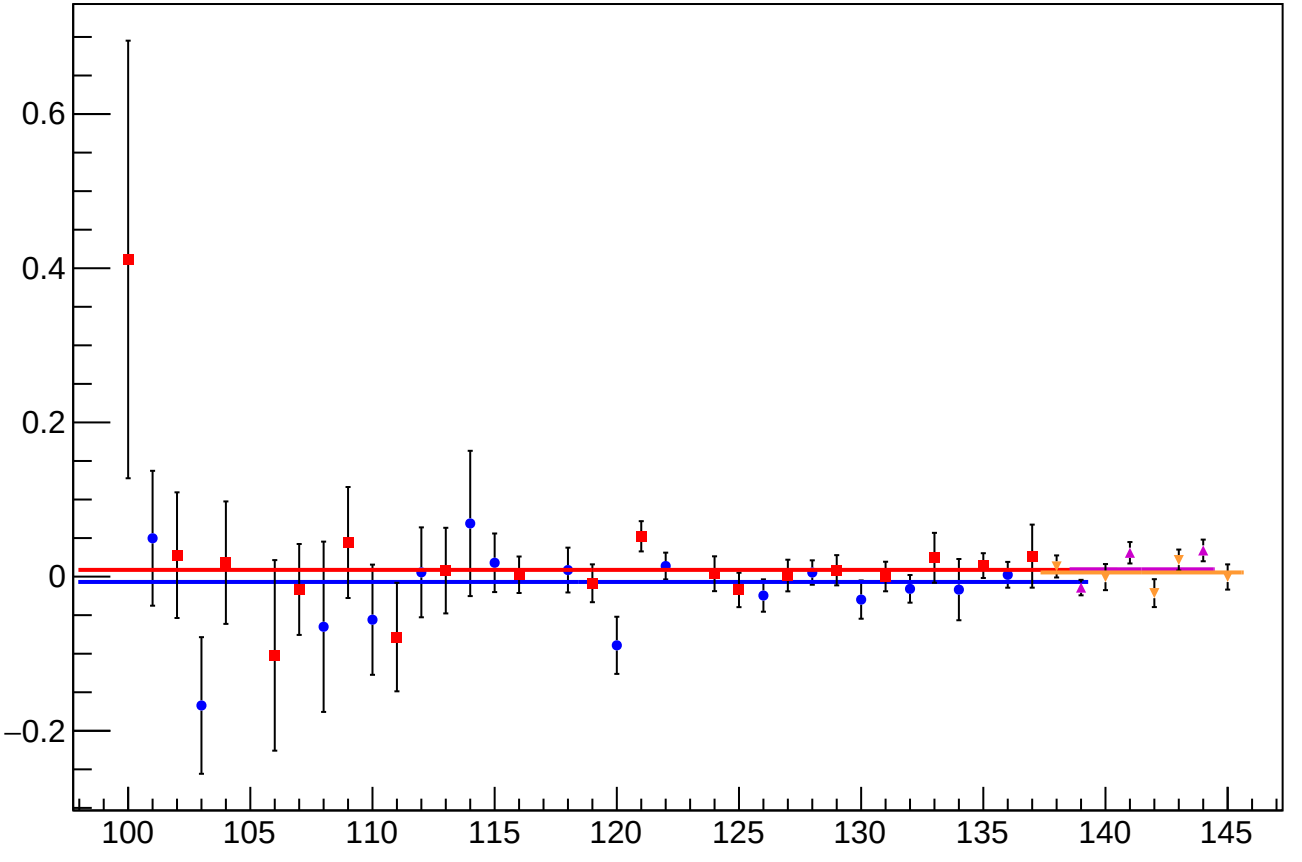
Left In: 10.807+/-0.005 χ^2/NDF:164095.9/2

+ sign 13.957+/-0.003 χ^2/NDF: 3606404.5/20

All: 13.339+/-0.002 χ^2/NDF: 7740638.1/42

- sign 12.750+/-0.003 χ^2/NDF: 4070687.8/21

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.007 χ^2/NDF:4.1/4

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

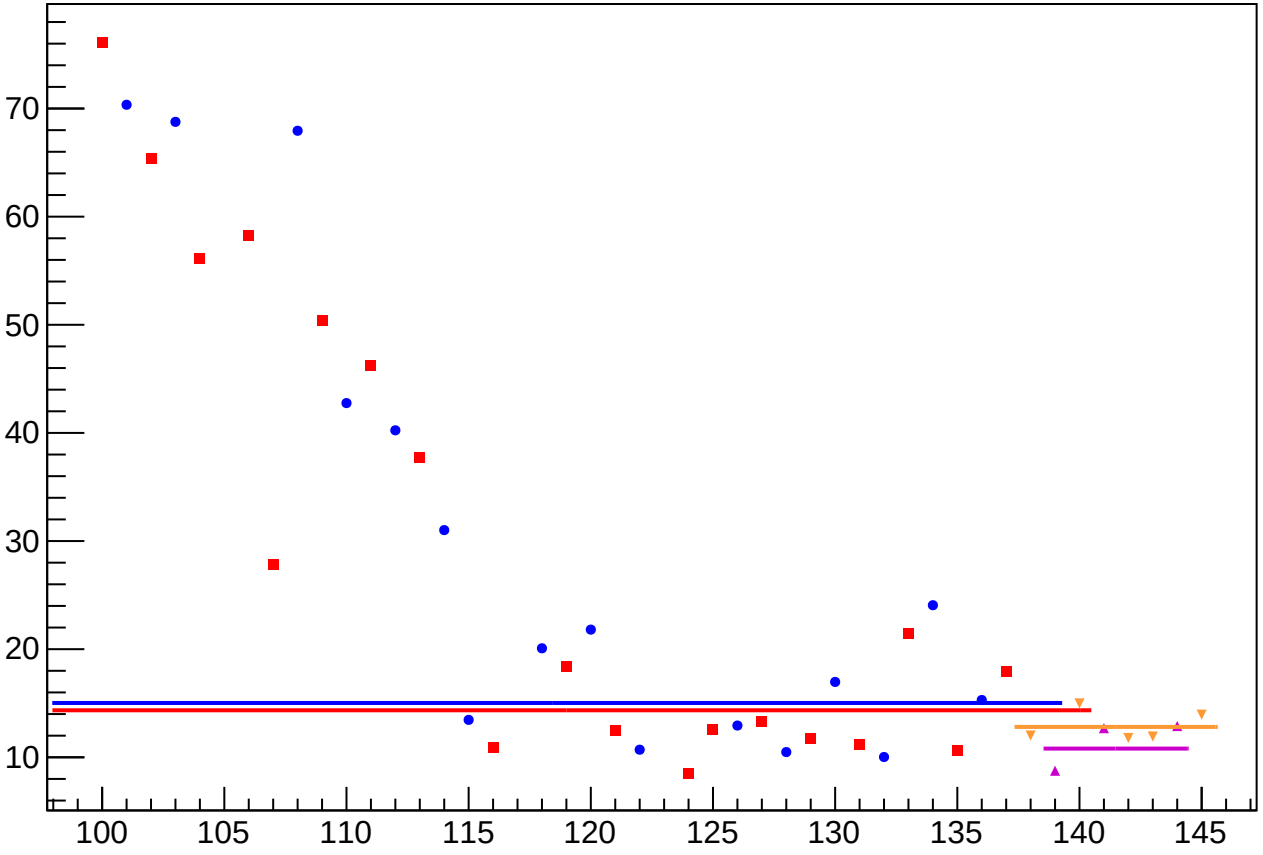
Left In: 0.009+/-0.007 χ^2/NDF:11.0/2

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/20

All: 0.004+/-0.003 χ^2/NDF: 46.6/42

- sign 0.009+/-0.005 χ^2/NDF: 23.7/21

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

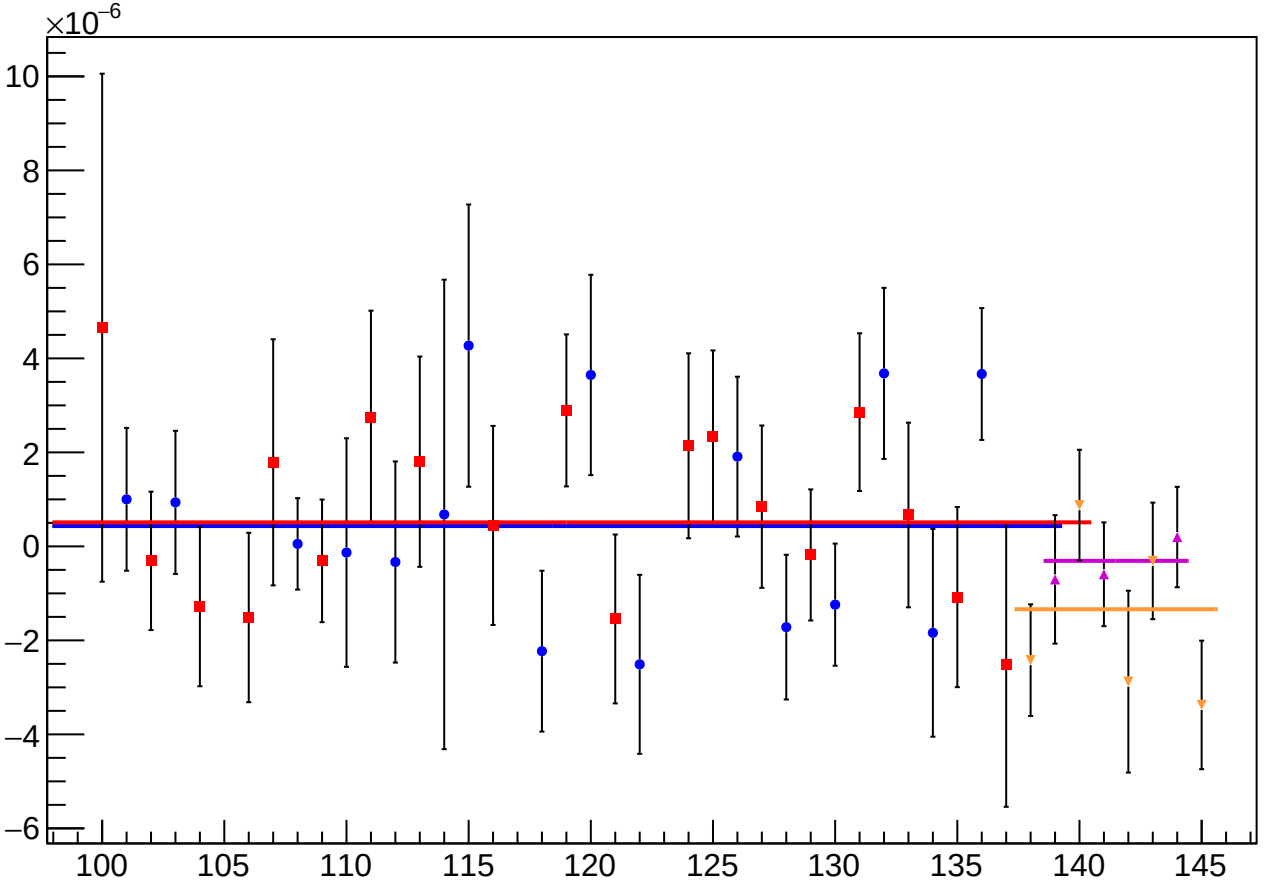
Left In: 10.807+/-0.005 χ^2/NDF:164095.9/2

+ sign 13.957+/-0.003 χ^2/NDF: 3606404.5/20

All: 13.339+/-0.002 χ^2/NDF: 7740638.1/42

- sign 12.750+/-0.003 χ^2/NDF: 4070687.8/21

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

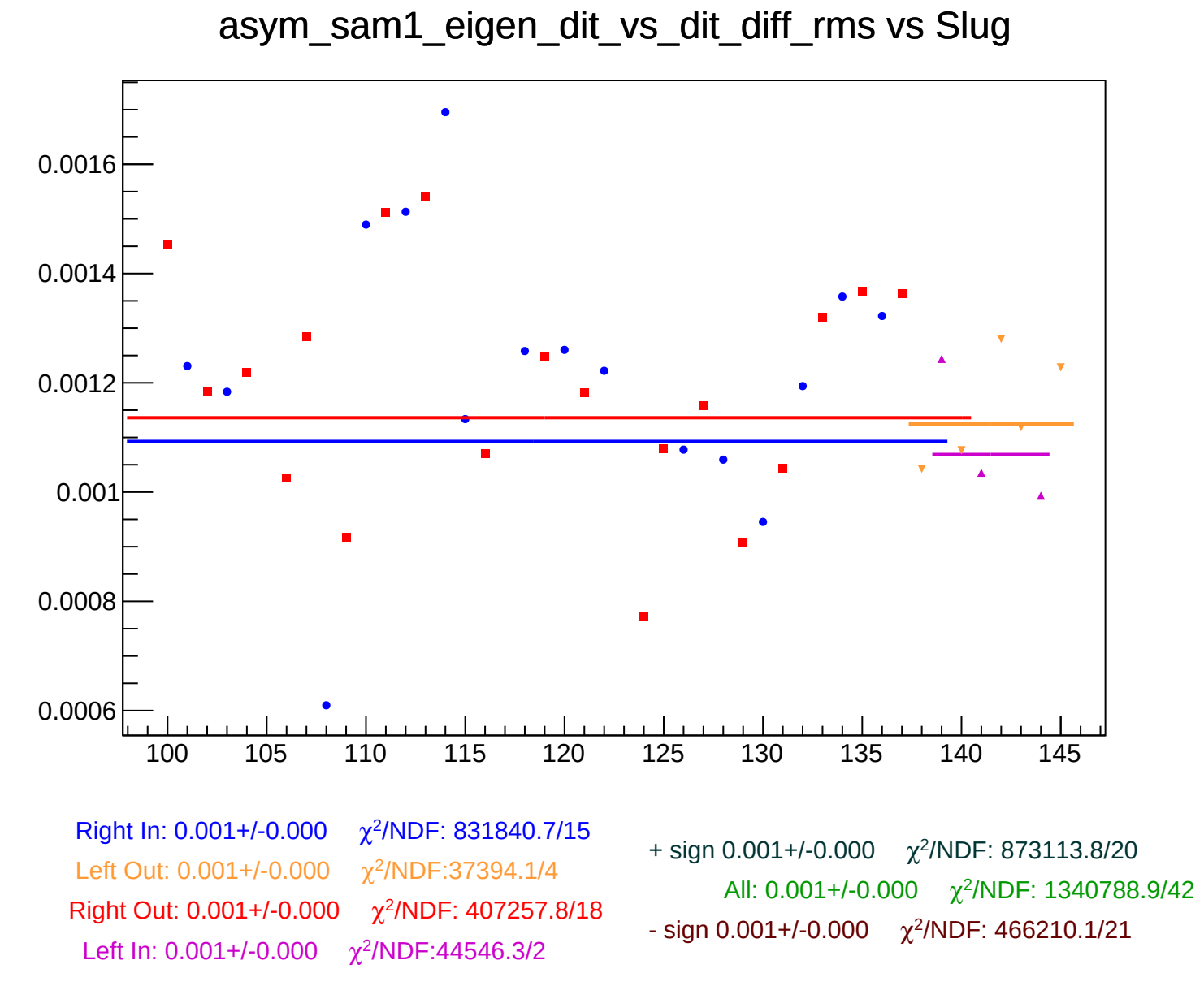
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

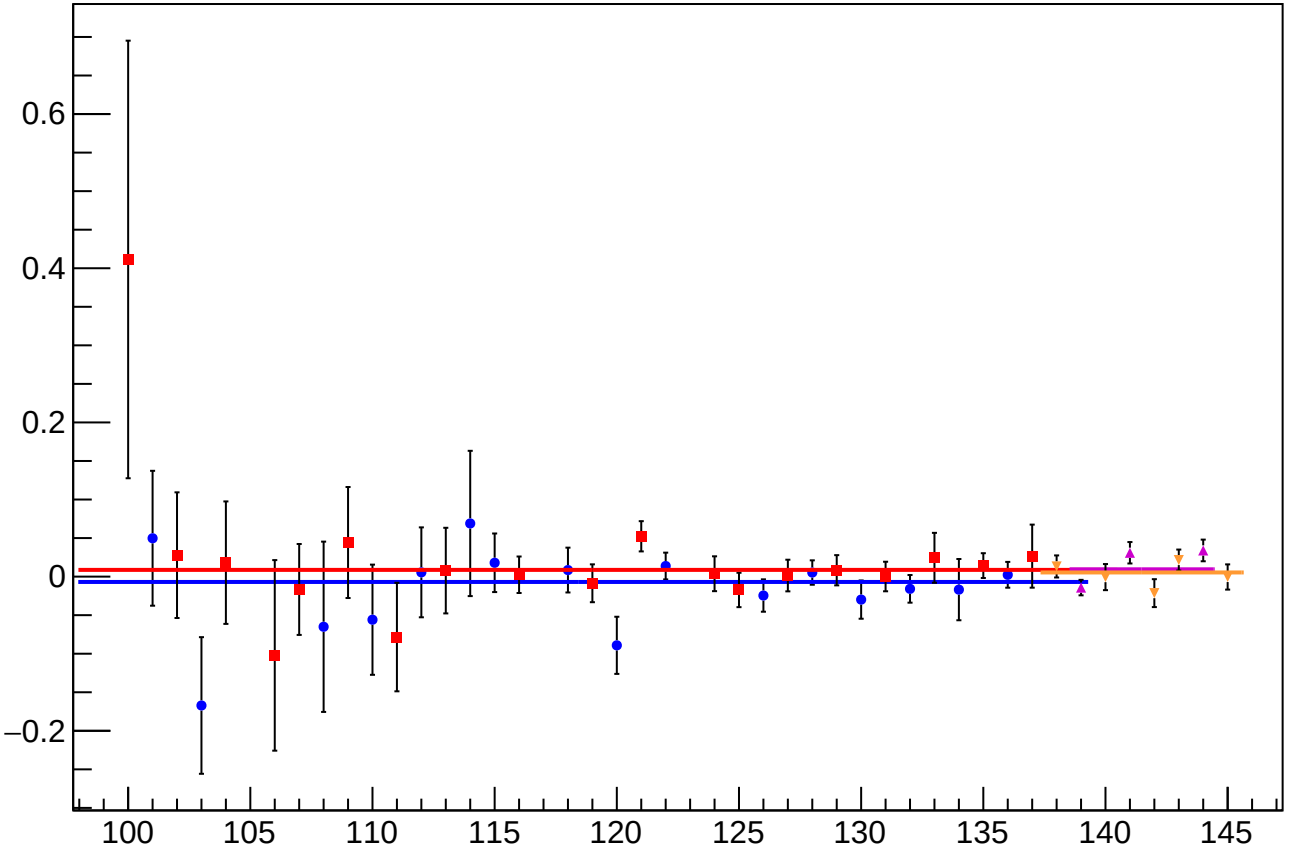
+ sign -0.000+/-0.000 χ^2/NDF: 37.1/20

All: 0.000+/-0.000 χ^2/NDF: 53.7/42

- sign 0.000+/-0.000 χ^2/NDF: 15.7/21


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
105
110
115
120
125
130
135
140
145
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:44546.3/2
+ sign 0.001+/-0.000 χ²/NDF: 873113.8/20
All: 0.001+/-0.000 χ²/NDF: 1340788.9/42
- sign 0.001+/-0.000 χ²/NDF: 466210.1/21

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

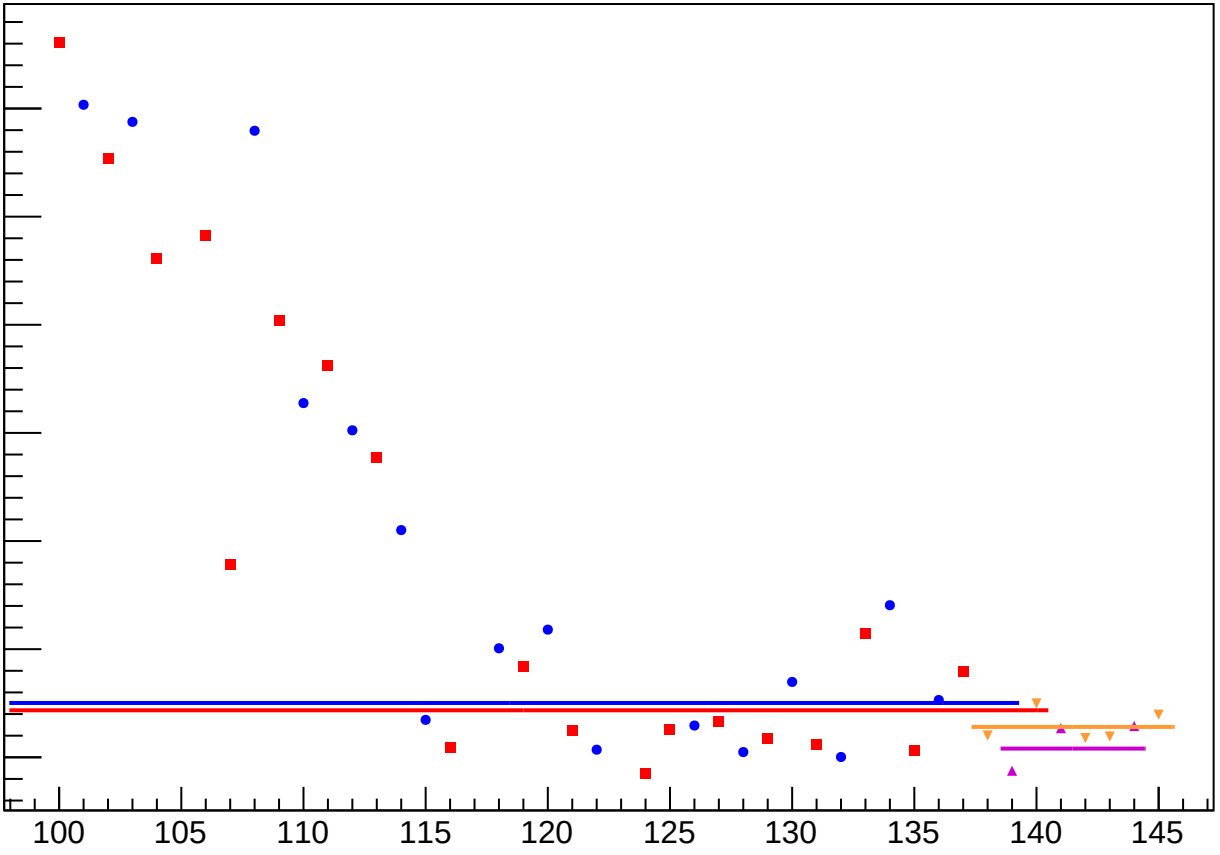
Left In: 0.009+/-0.007 χ^2/NDF:11.0/2

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/20

All: 0.004+/-0.003 χ^2/NDF: 46.6/42

- sign 0.009+/-0.005 χ^2/NDF: 23.7/21

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

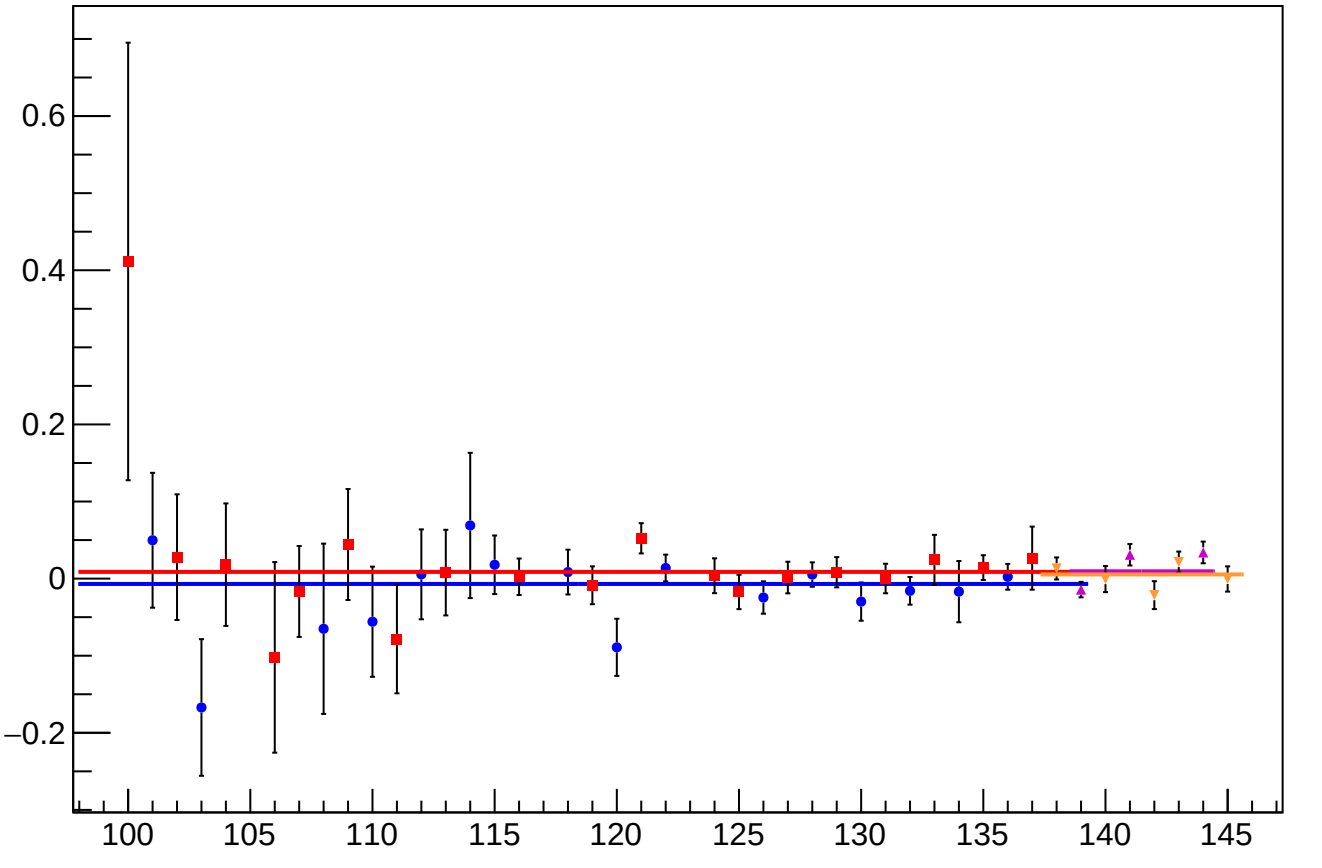
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 10.807+/-0.005 χ^2/NDF:164104.9/2

+ sign 13.957+/-0.003 χ^2/NDF: 3606401.8/20

All: 13.339+/-0.002 χ^2/NDF: 7740629.3/42

- sign 12.750+/-0.003 χ^2/NDF: 4070680.6/21



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

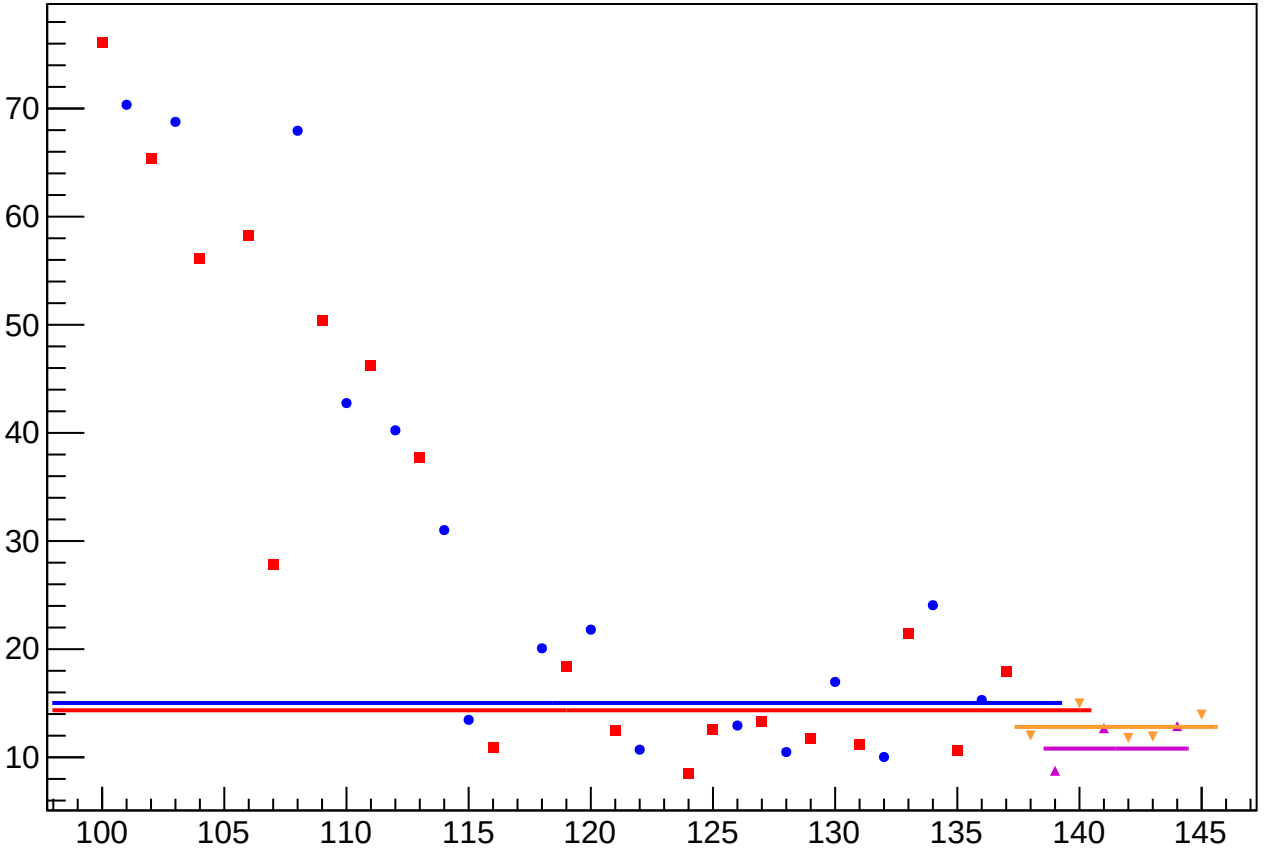
Left In: 0.009+/-0.007 χ^2/NDF:11.0/2

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/20

All: 0.004+/-0.003 χ^2/NDF: 46.6/42

- sign 0.009+/-0.005 χ^2/NDF: 23.7/21

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

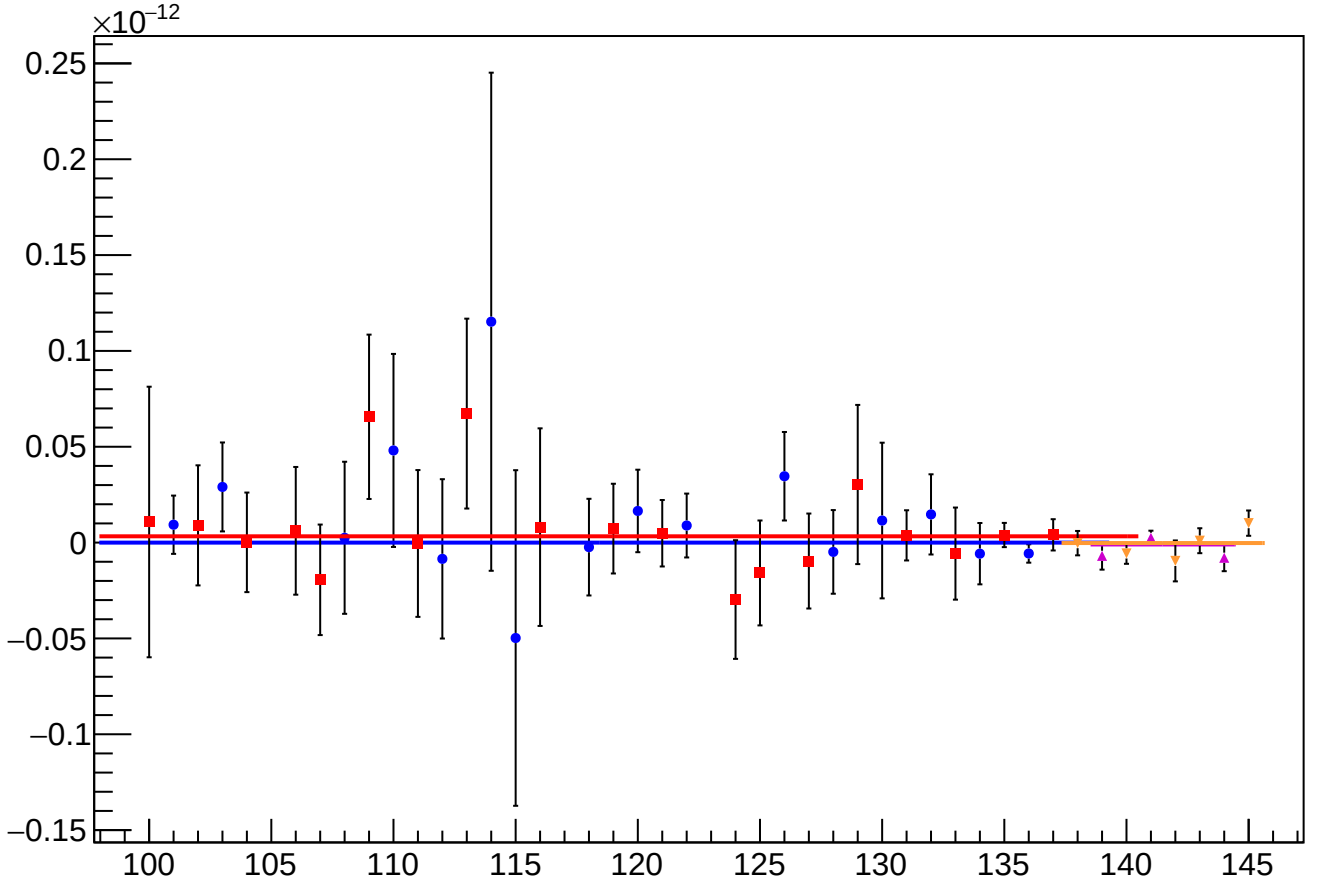
Left In: 10.807+/-0.005 χ^2/NDF:164104.9/2

+ sign 13.957+/-0.003 χ^2/NDF: 3606401.8/20

All: 13.339+/-0.002 χ^2/NDF: 7740629.3/42

- sign 12.750+/-0.003 χ^2/NDF: 4070680.6/21

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

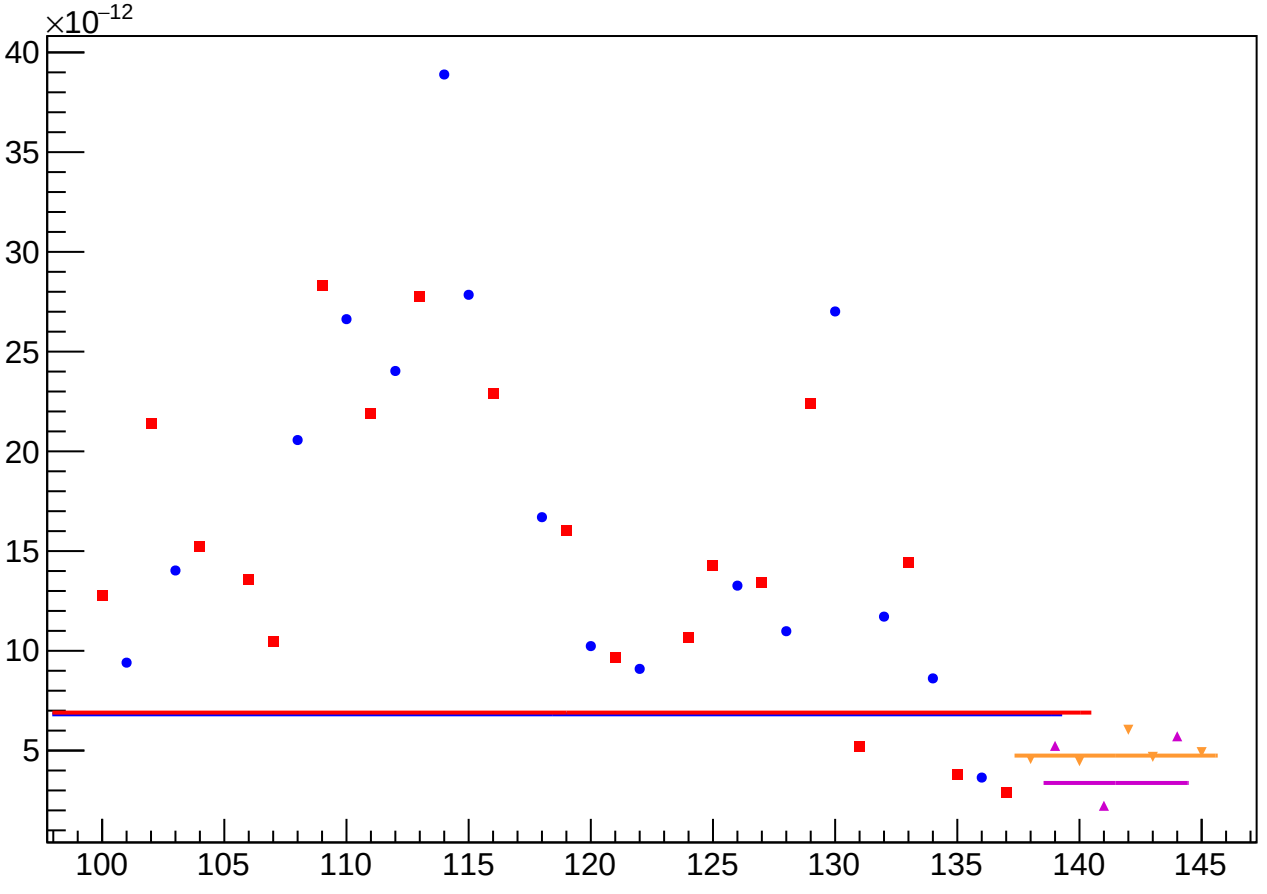
Left In: -0.000+/-0.000 χ^2/NDF:2.5/2

+ sign -0.000+/-0.000 χ^2/NDF: 13.6/20

All: 0.000+/-0.000 χ^2/NDF: 23.9/42

- sign 0.000+/-0.000 χ^2/NDF: 10.3/21

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

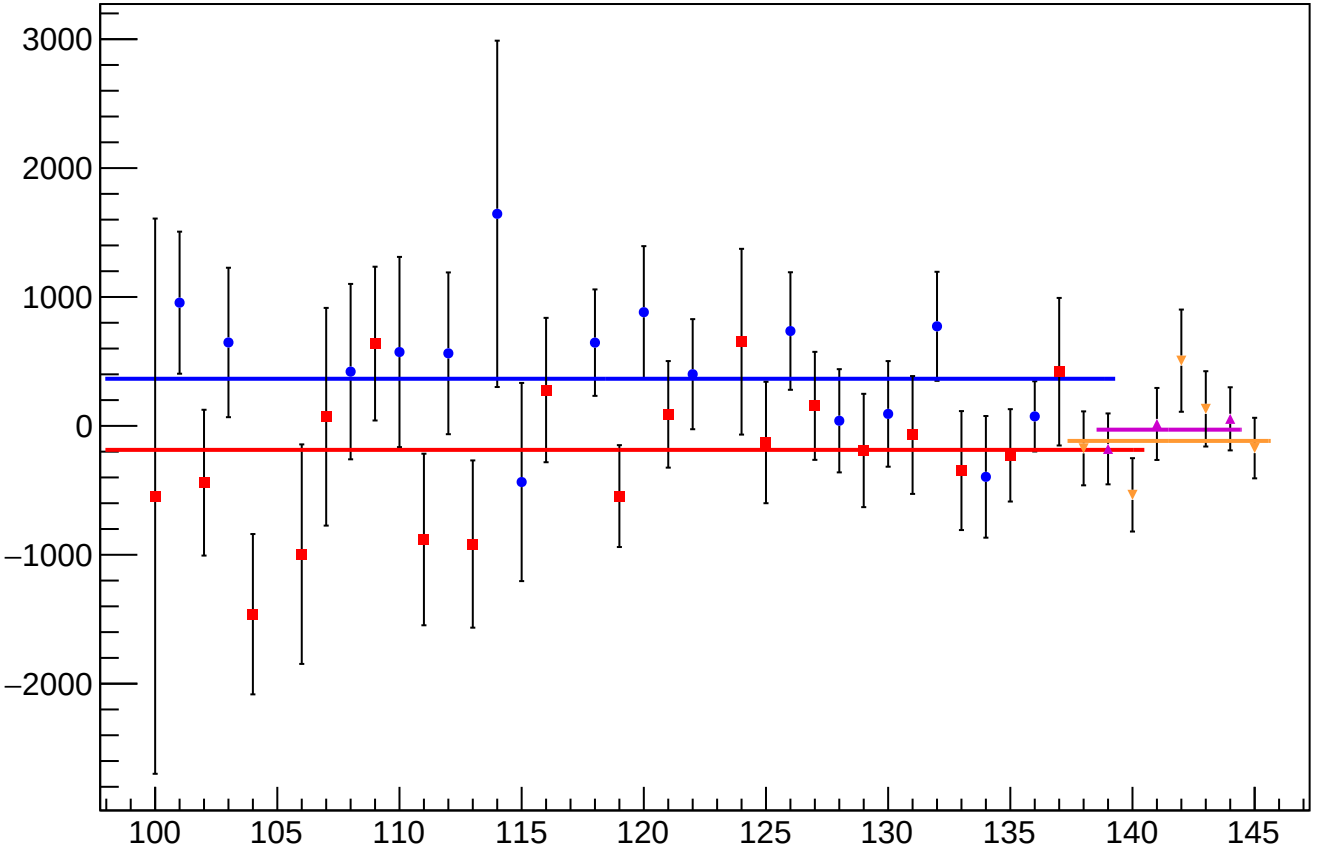
Left In: 0.000+/-0.000 χ^2/NDF:545818.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 3919603.0/20

All: 0.000+/-0.000 χ^2/NDF: 9860728.6/42

- sign 0.000+/-0.000 χ^2/NDF: 5803359.5/21

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

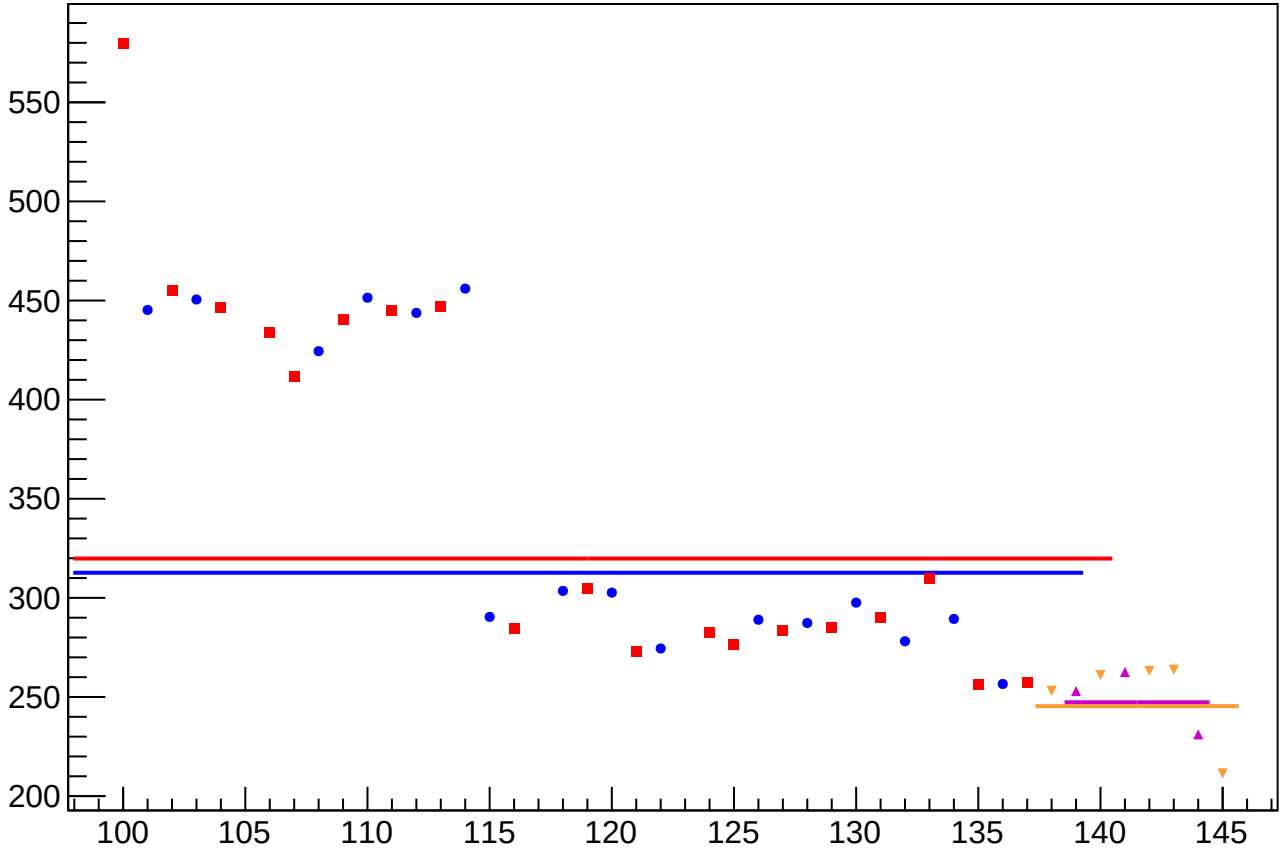
Left In: -29.351+/-153.001 χ^2/NDF:0.4/2

+ sign 142.907+/-87.214 χ^2/NDF: 24.5/20

All: 19.095+/-64.095 χ^2/NDF: 45.0/42

- sign -126.310+/-94.514 χ^2/NDF: 16.1/21

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

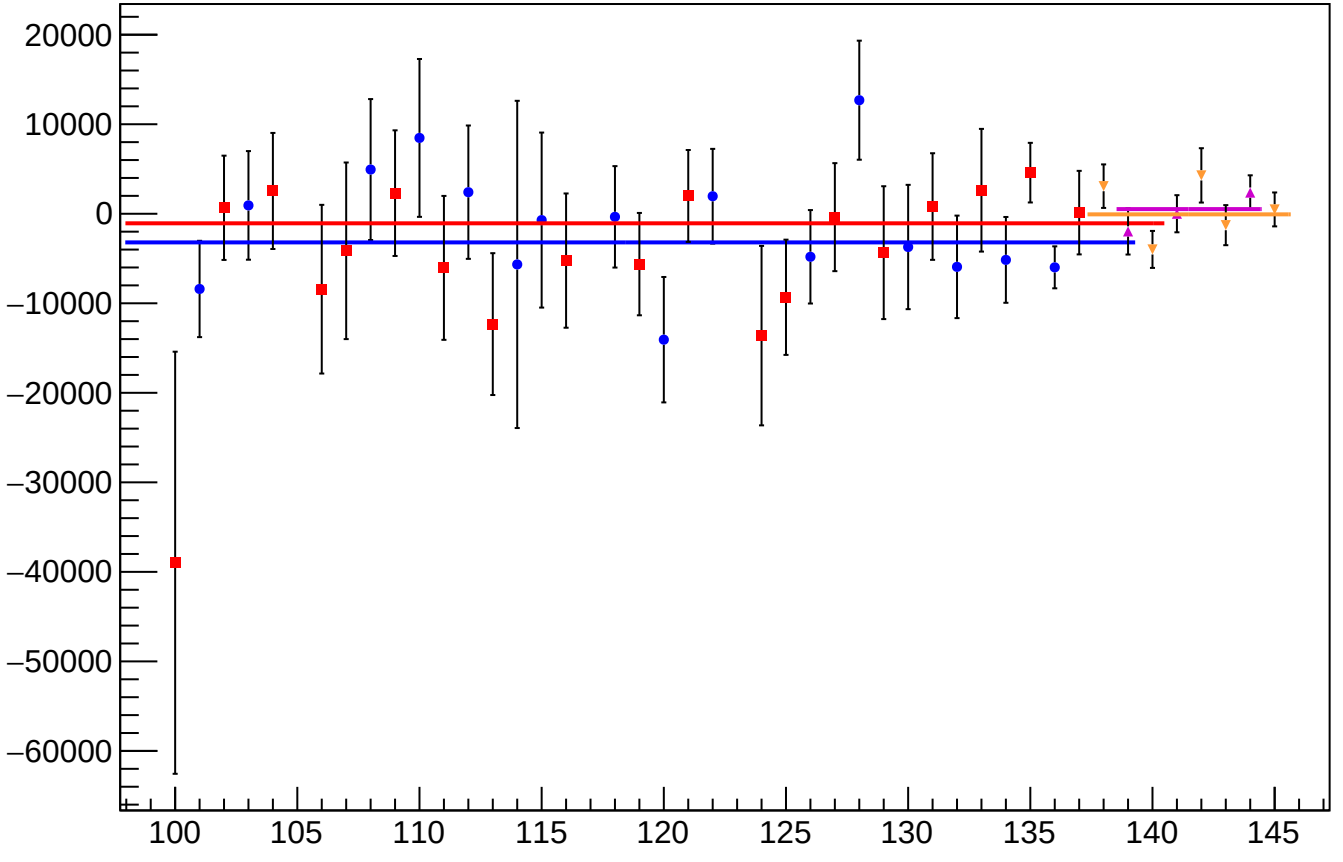
Left In: 247.337+/-0.108 χ^2/NDF:15562.3/2

+ sign 281.607+/-0.062 χ^2/NDF: 959471.8/20

All: 286.467+/-0.045 χ^2/NDF: 1964152.2/42

- sign 292.173+/-0.067 χ^2/NDF: 991180.1/21

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

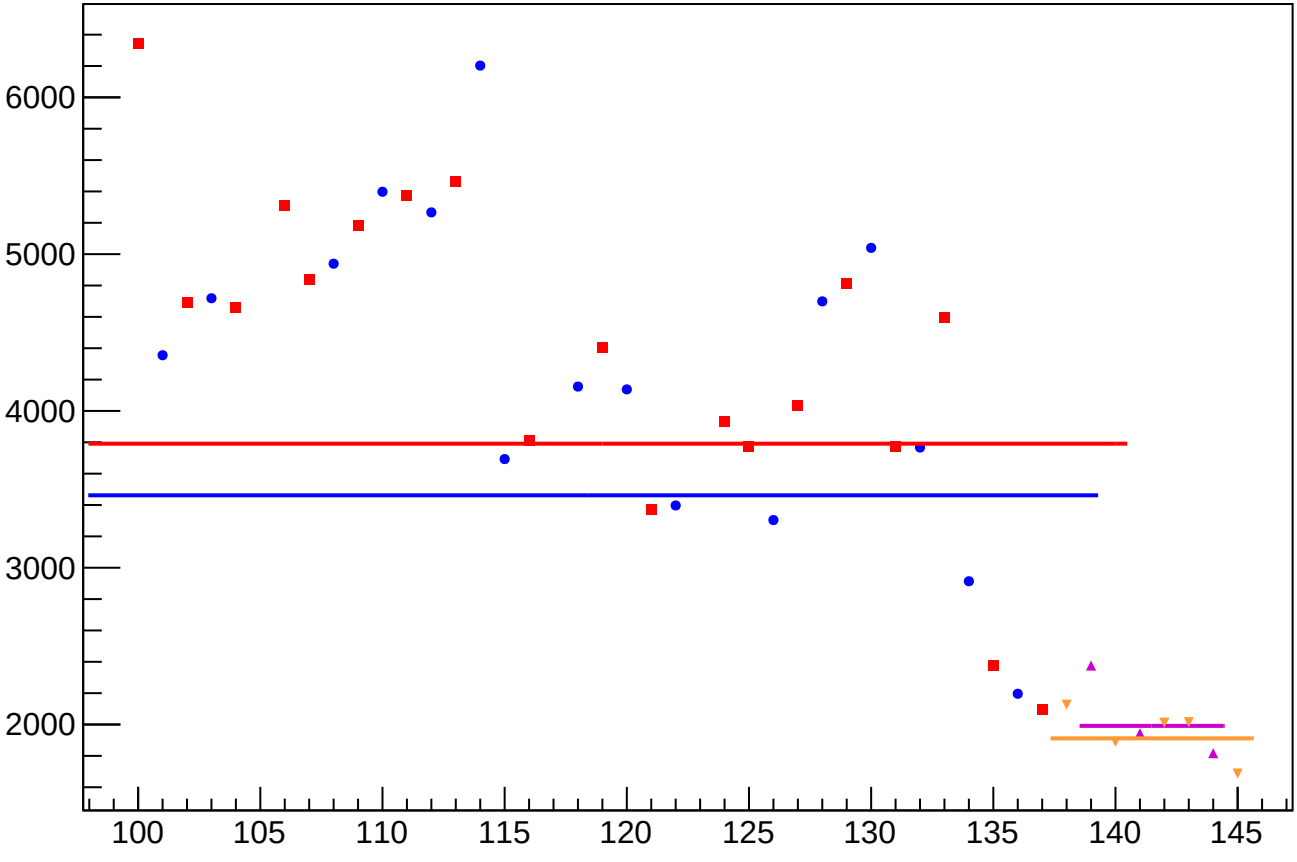
Left In: 521.881+/-1239.719 χ^2/NDF:1.9/2

+ sign -1178.627+/-806.833 χ^2/NDF: 27.3/20

All: -743.450+/-612.353 χ^2/NDF: 44.9/42

- sign -152.225+/-940.433 χ^2/NDF: 17.0/21

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

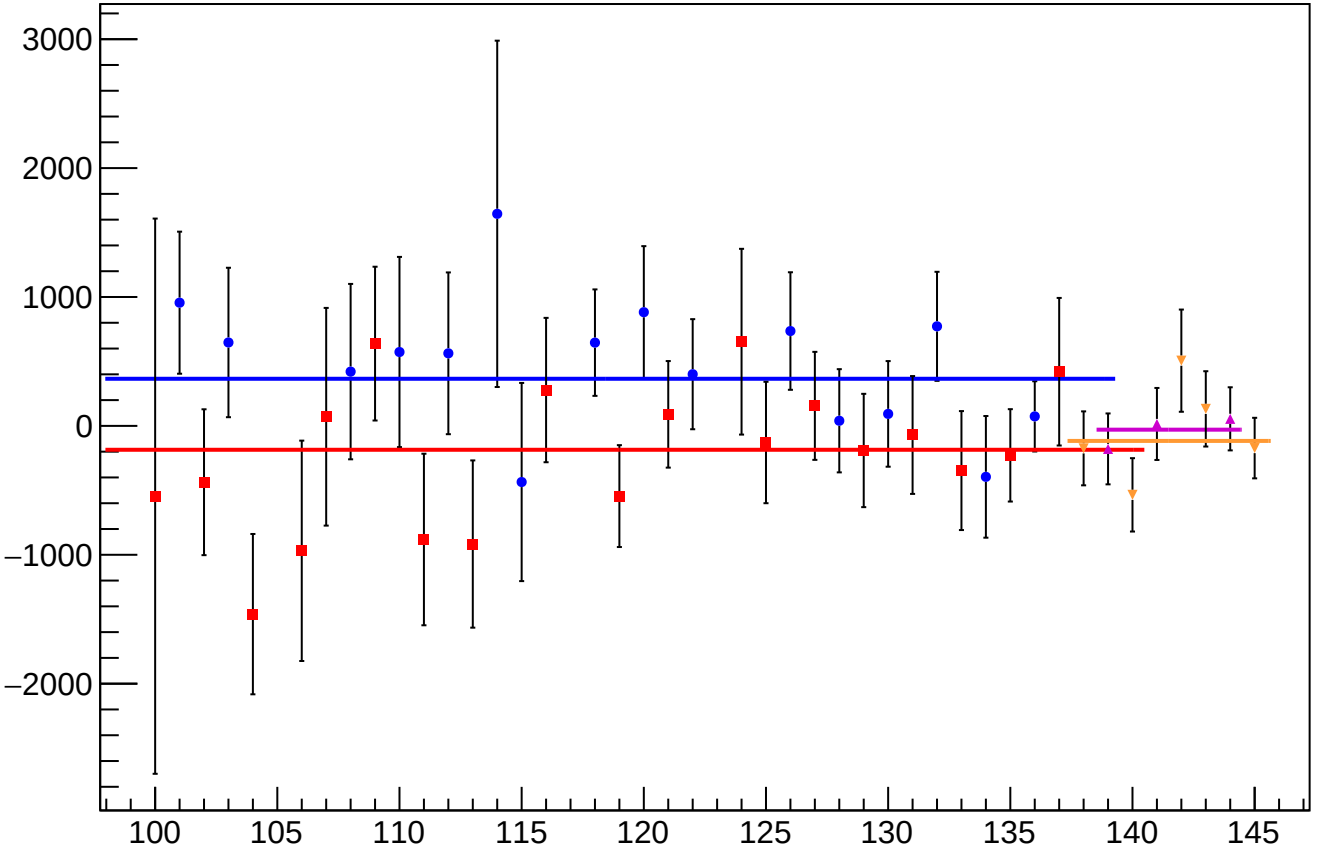
Left In: 1991.455+/-0.877 χ^2/NDF:61681.2/2

+ sign 2462.330+/-0.571 χ^2/NDF: 3050918.5/20

All: 2586.644+/-0.433 χ^2/NDF: 6169856.1/42

- sign 2755.536+/-0.665 χ^2/NDF: 3006953.1/21

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

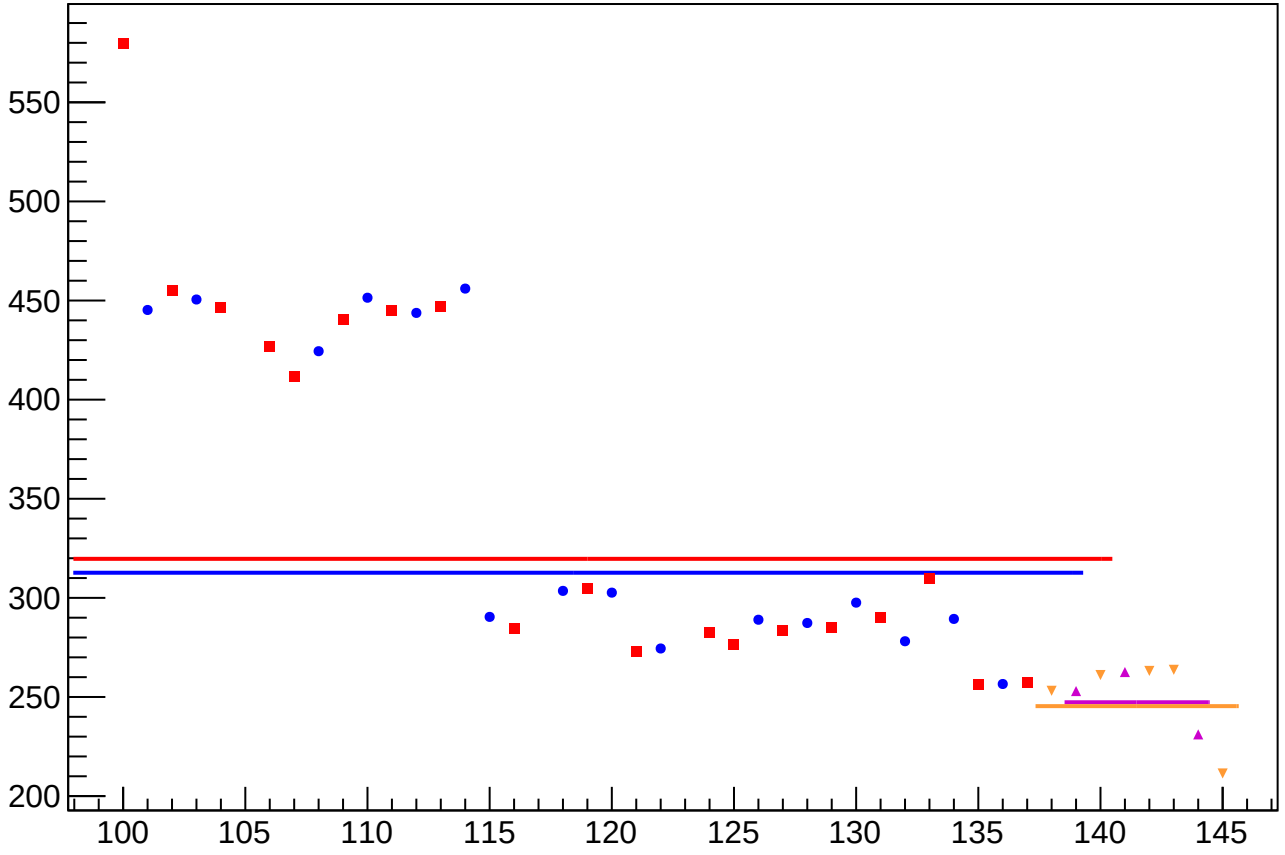
Left In: -29.377+/-153.001 χ^2/NDF:0.4/2

+ sign 142.896+/-87.214 χ^2/NDF: 24.5/20

All: 19.326+/-64.097 χ^2/NDF: 44.9/42

- sign -125.813+/-94.519 χ^2/NDF: 16.0/21

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

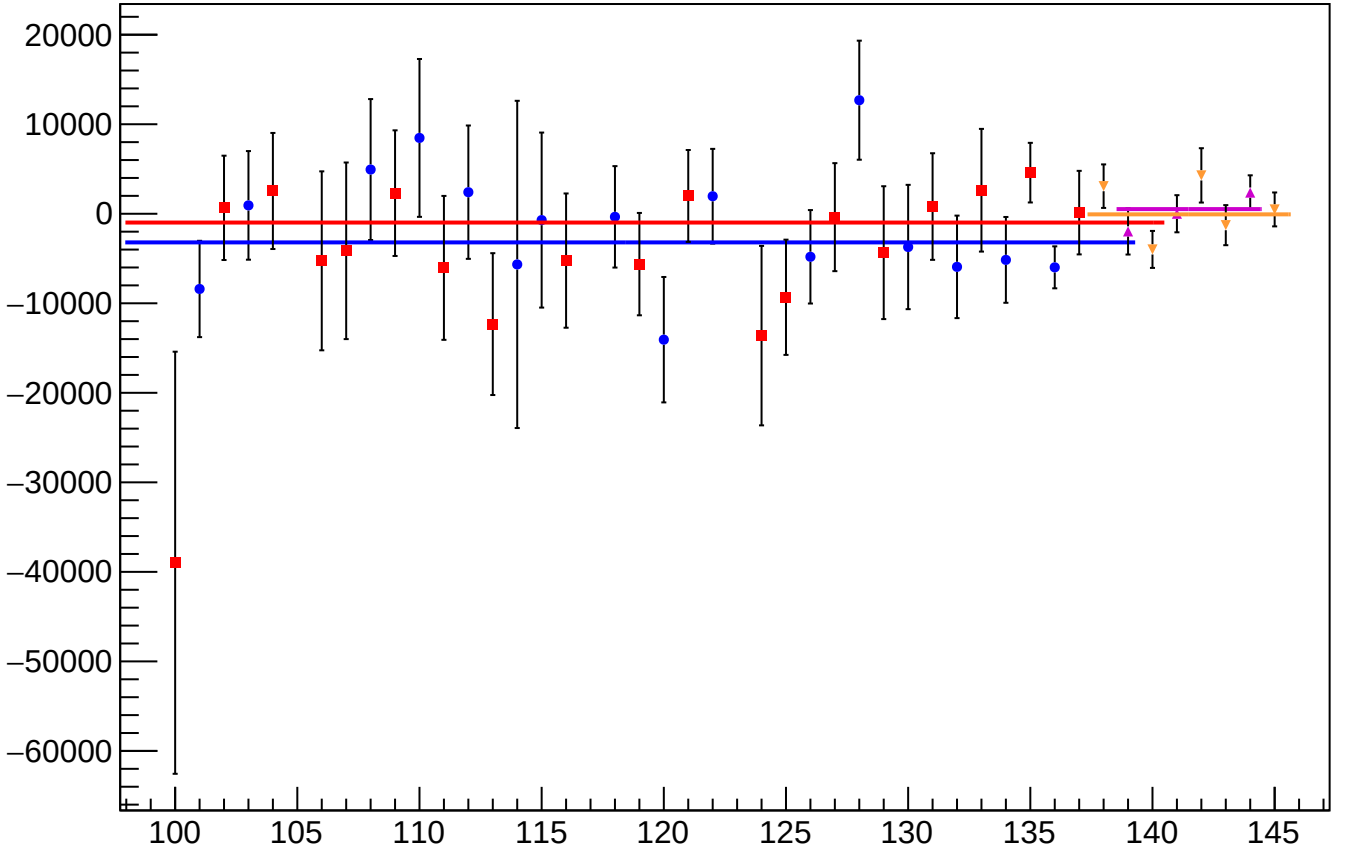
Left In: 247.337+/-0.108 χ^2/NDF:15562.3/2

+ sign 281.607+/-0.062 χ^2/NDF: 959473.4/20

All: 286.423+/-0.045 χ^2/NDF: 1958594.6/42

- sign 292.079+/-0.067 χ^2/NDF: 985862.9/21

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

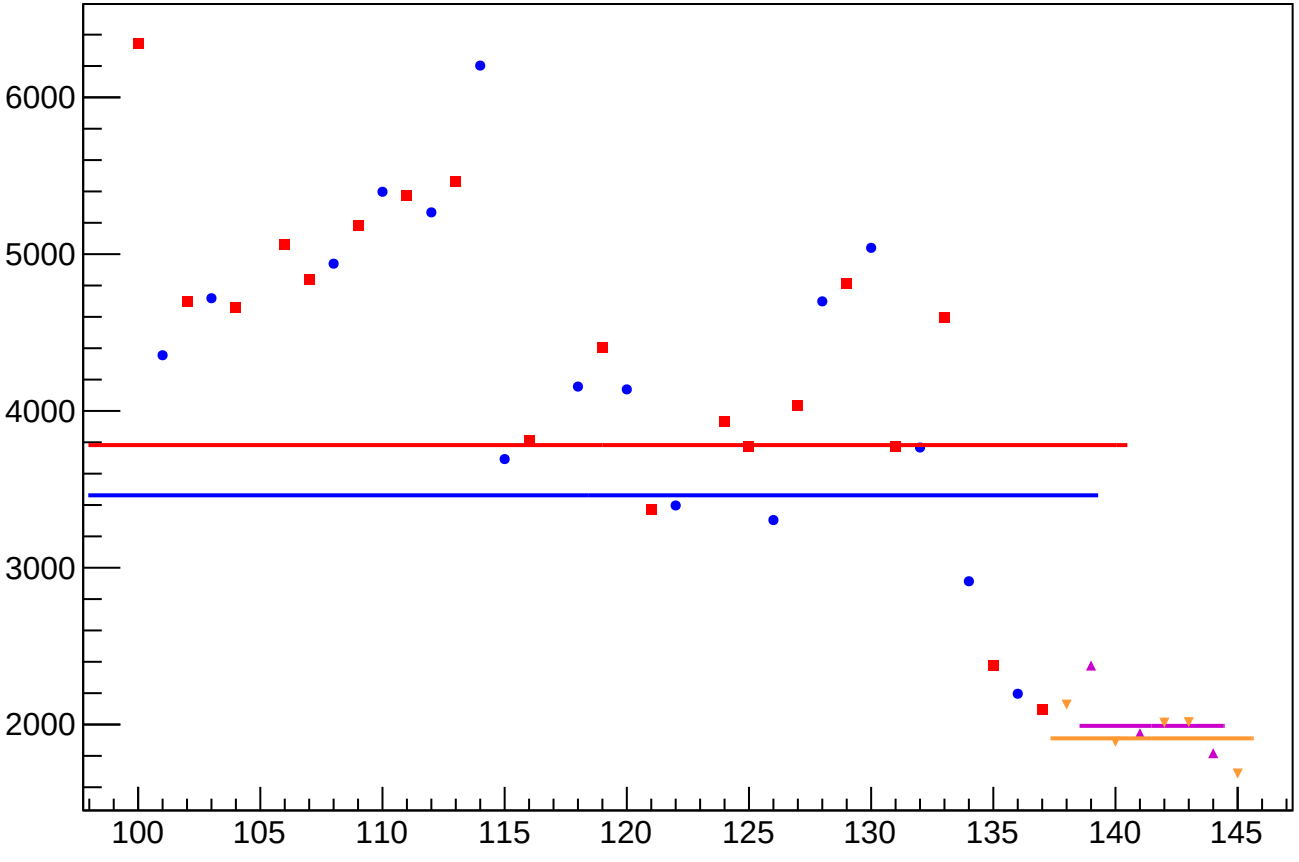
Left In: 521.827+/-1239.719 χ^2/NDF:1.9/2

+ sign -1178.599+/-806.834 χ^2/NDF: 27.3/20

All: -728.025+/-612.501 χ^2/NDF: 44.5/42

- sign -115.183+/-940.969 χ^2/NDF: 16.5/21

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

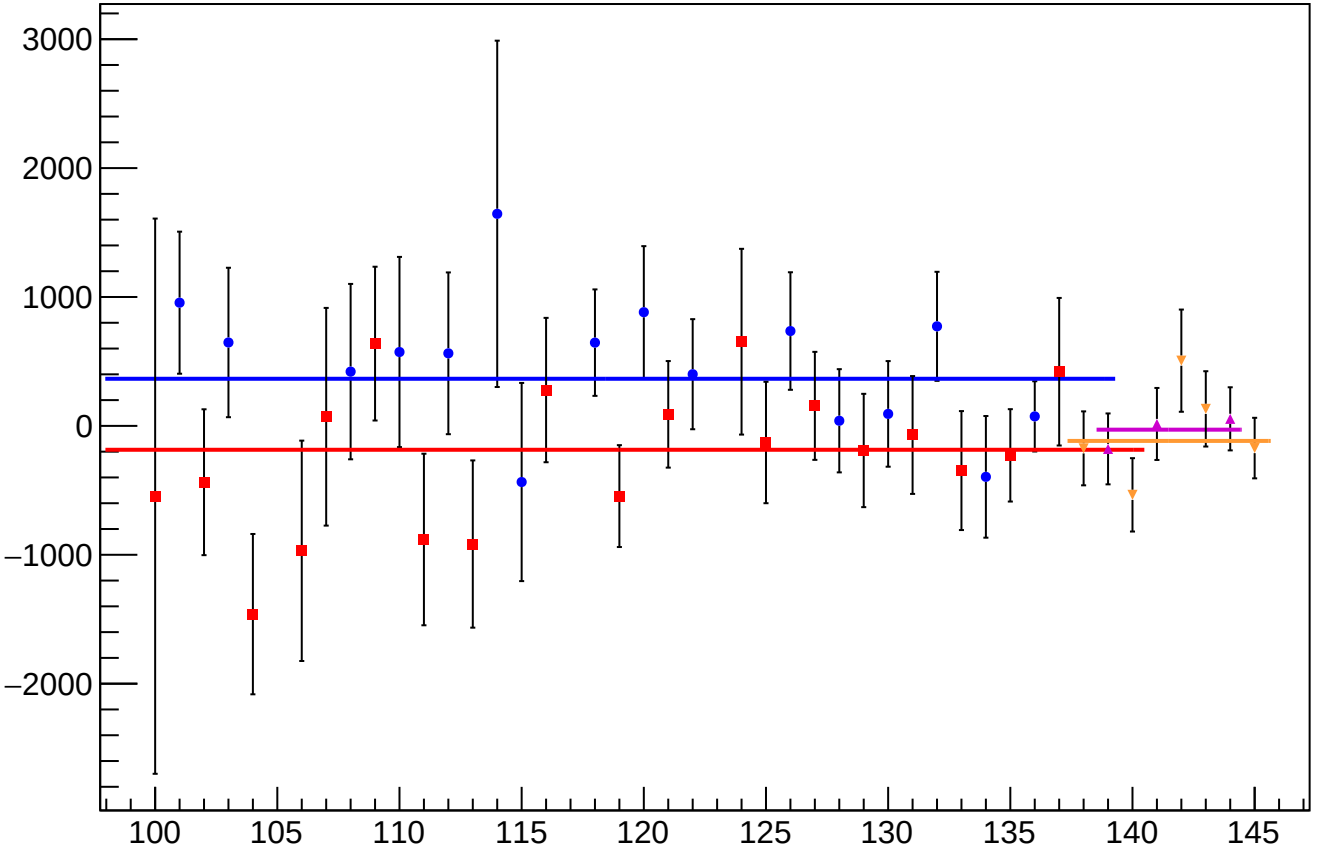
Left In: 1991.455+/-0.877 χ^2/NDF:61681.4/2

+ sign 2462.329+/-0.571 χ^2/NDF: 3050941.7/20

All: 2584.440+/-0.433 χ^2/NDF: 6125952.0/42

- sign 2750.528+/-0.665 χ^2/NDF: 2966889.6/21

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

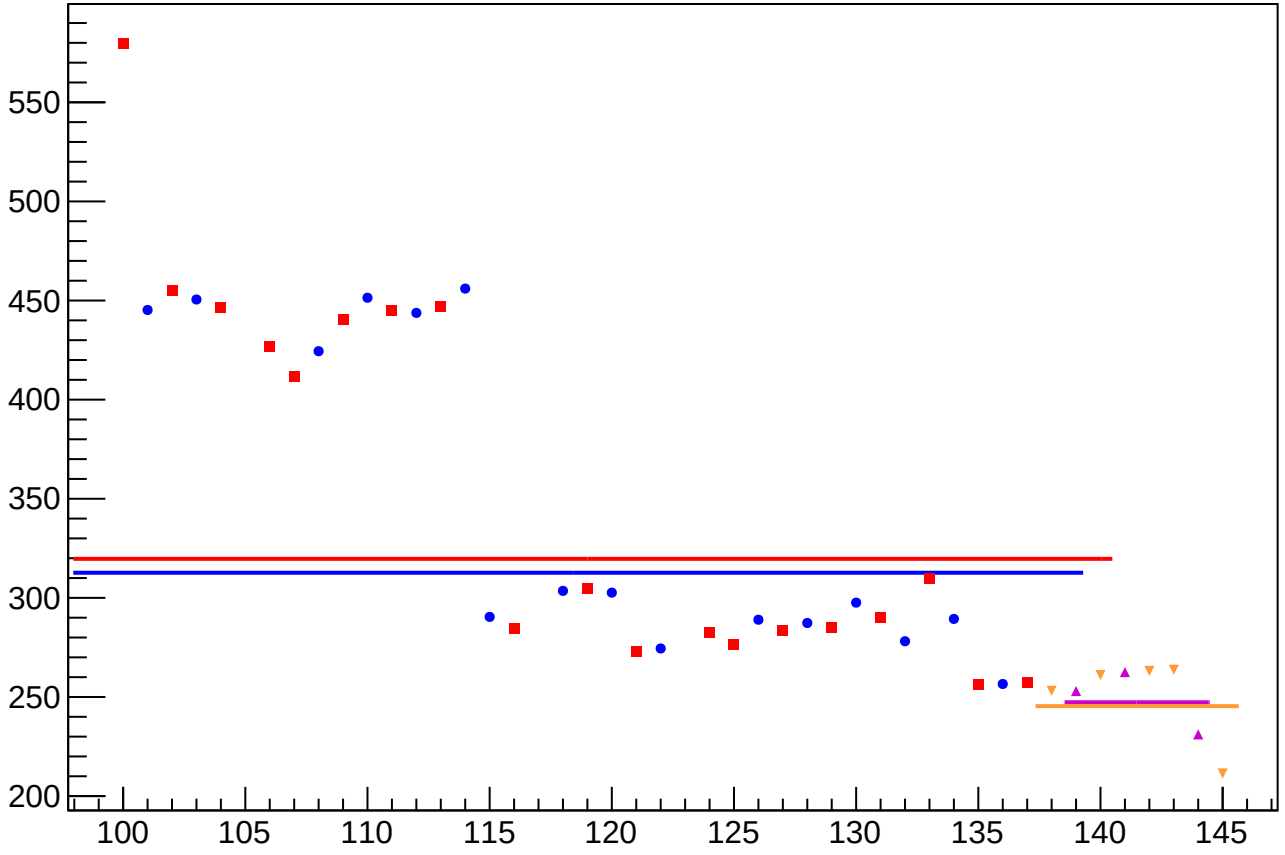
Left In: -29.377+/-153.001 χ^2/NDF:0.4/2

+ sign 142.896+/-87.214 χ^2/NDF: 24.5/20

All: 19.326+/-64.097 χ^2/NDF: 44.9/42

- sign -125.813+/-94.519 χ^2/NDF: 16.0/21

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

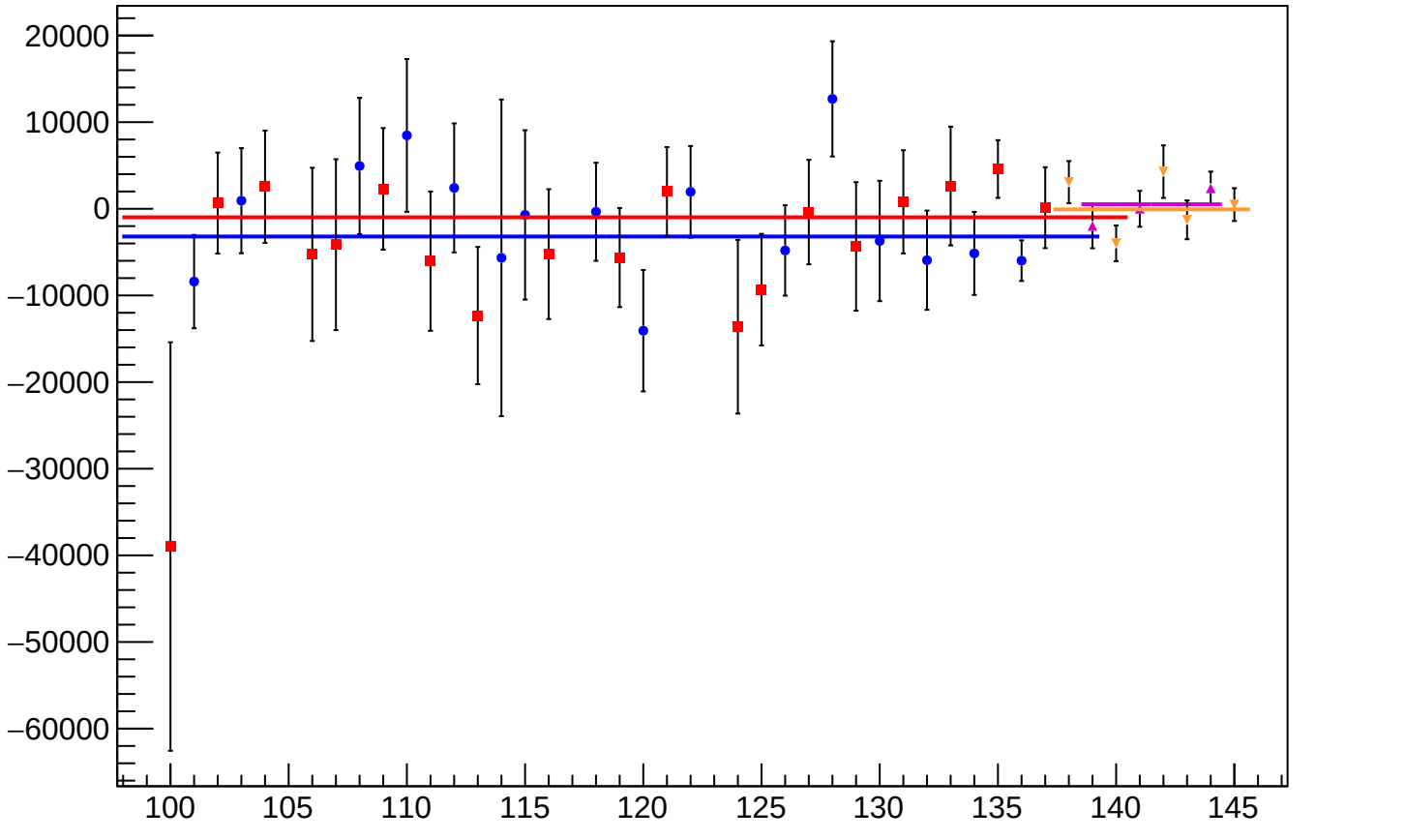
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 247.337+/-0.108 χ^2/NDF:15562.3/2

+ sign 281.607+/-0.062 χ^2/NDF: 959473.4/20

All: 286.423+/-0.045 χ^2/NDF: 1958594.6/42

- sign 292.079+/-0.067 χ^2/NDF: 985862.9/21



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

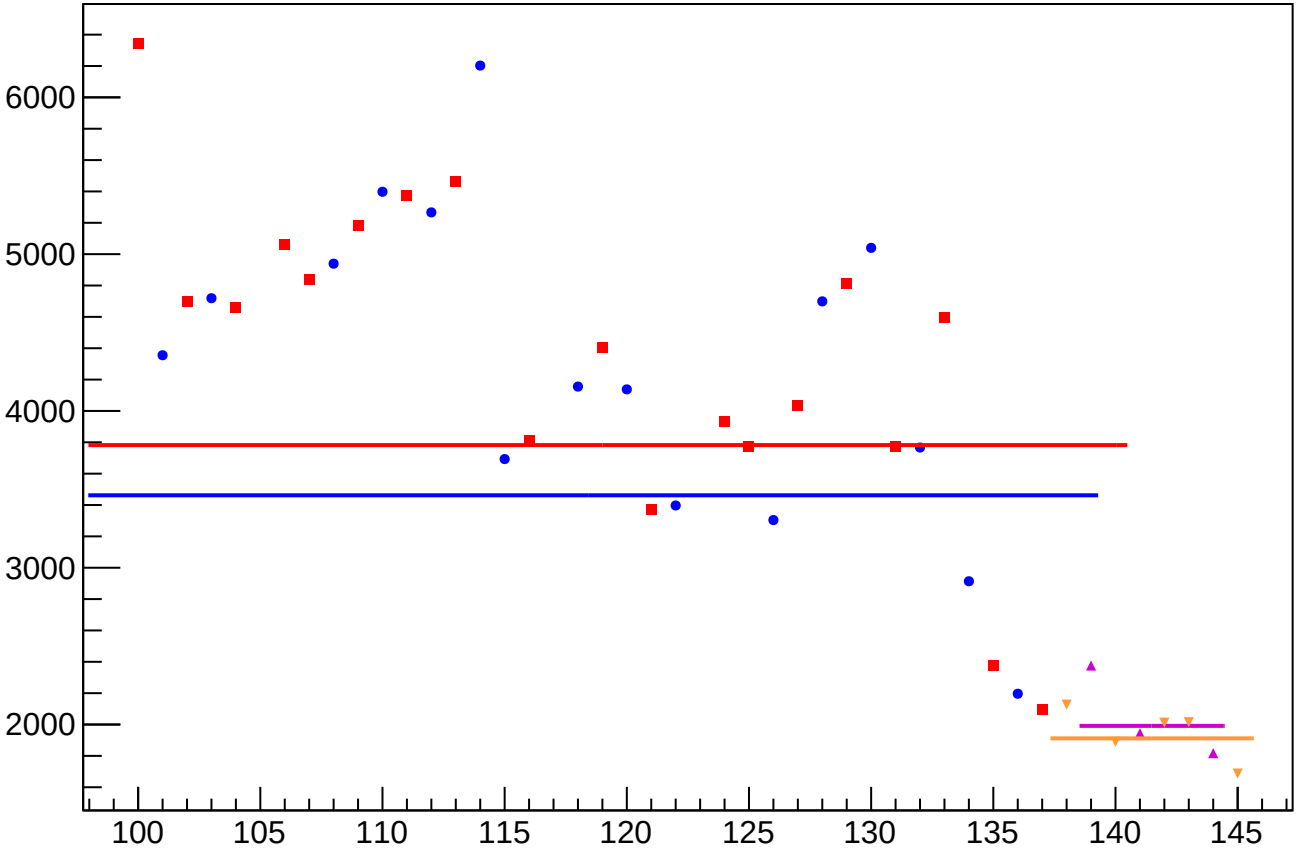
Left In: 521.827+/-1239.719 χ^2/NDF:1.9/2

\+ sign -1178.599+/-806.834 χ^2/NDF: 27.3/20

All: -728.025+/-612.501 χ^2/NDF: 44.5/42

\- sign -115.183+/-940.969 χ^2/NDF: 16.5/21

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

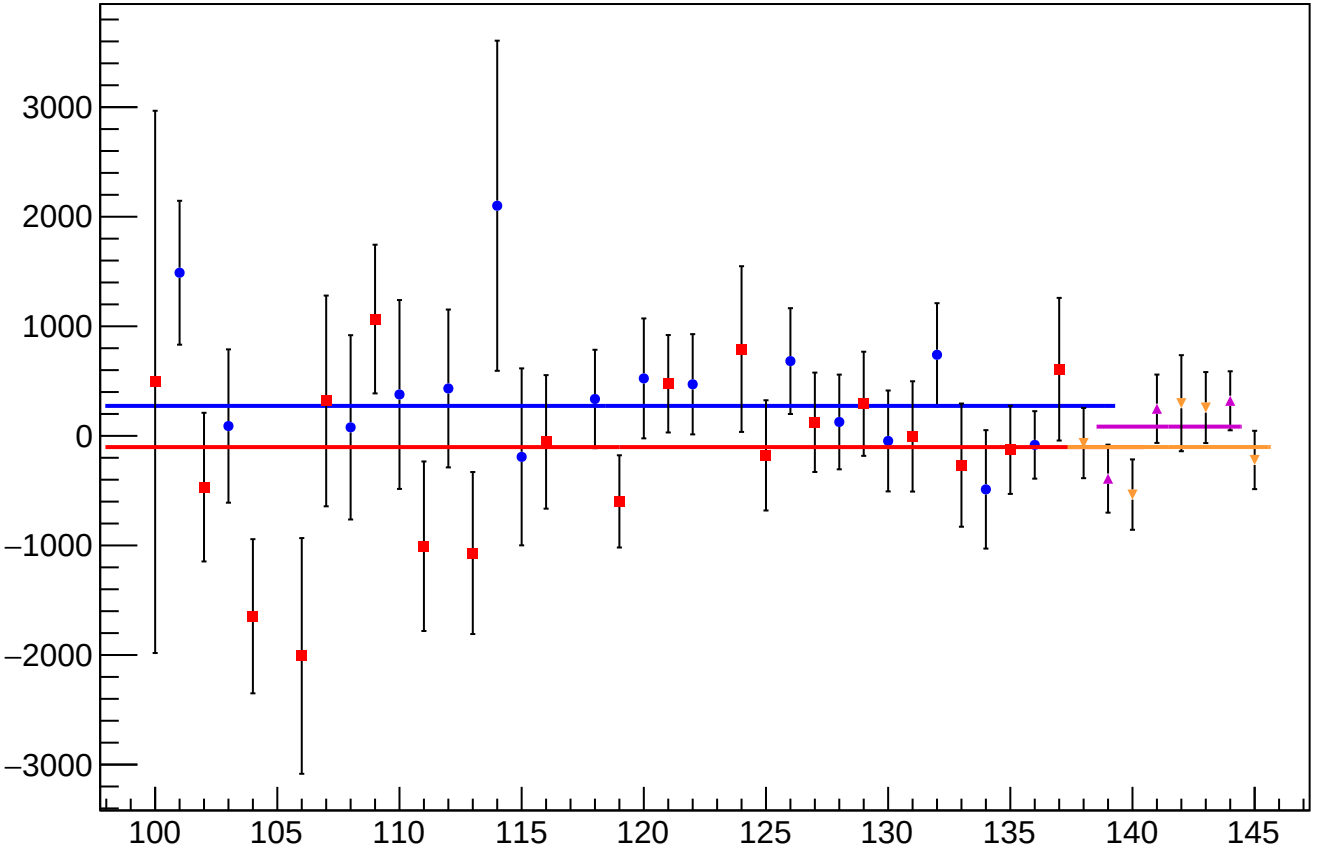
Left In: 1991.455+/-0.877 χ^2/NDF:61681.4/2

+ sign 2462.329+/-0.571 χ^2/NDF: 3050941.7/20

All: 2584.440+/-0.433 χ^2/NDF: 6125952.0/42

- sign 2750.528+/-0.665 χ^2/NDF: 2966889.6/21

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

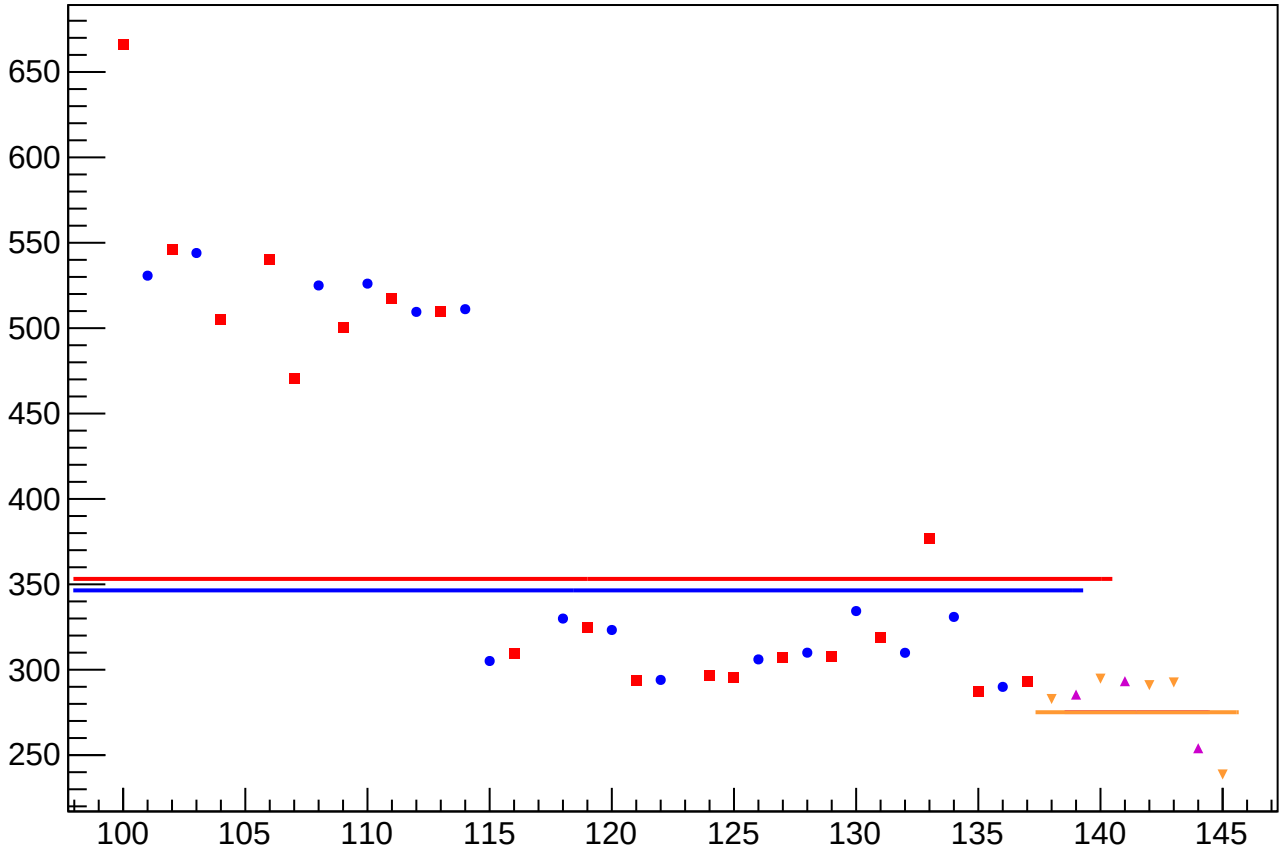
Left In: 84.364+/-170.361 χ^2/NDF:3.4/2

+ sign 101.246+/-97.496 χ^2/NDF: 19.2/20

All: 39.980+/-71.487 χ^2/NDF: 45.5/42

- sign -31.257+/-105.132 χ^2/NDF: 25.4/21

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

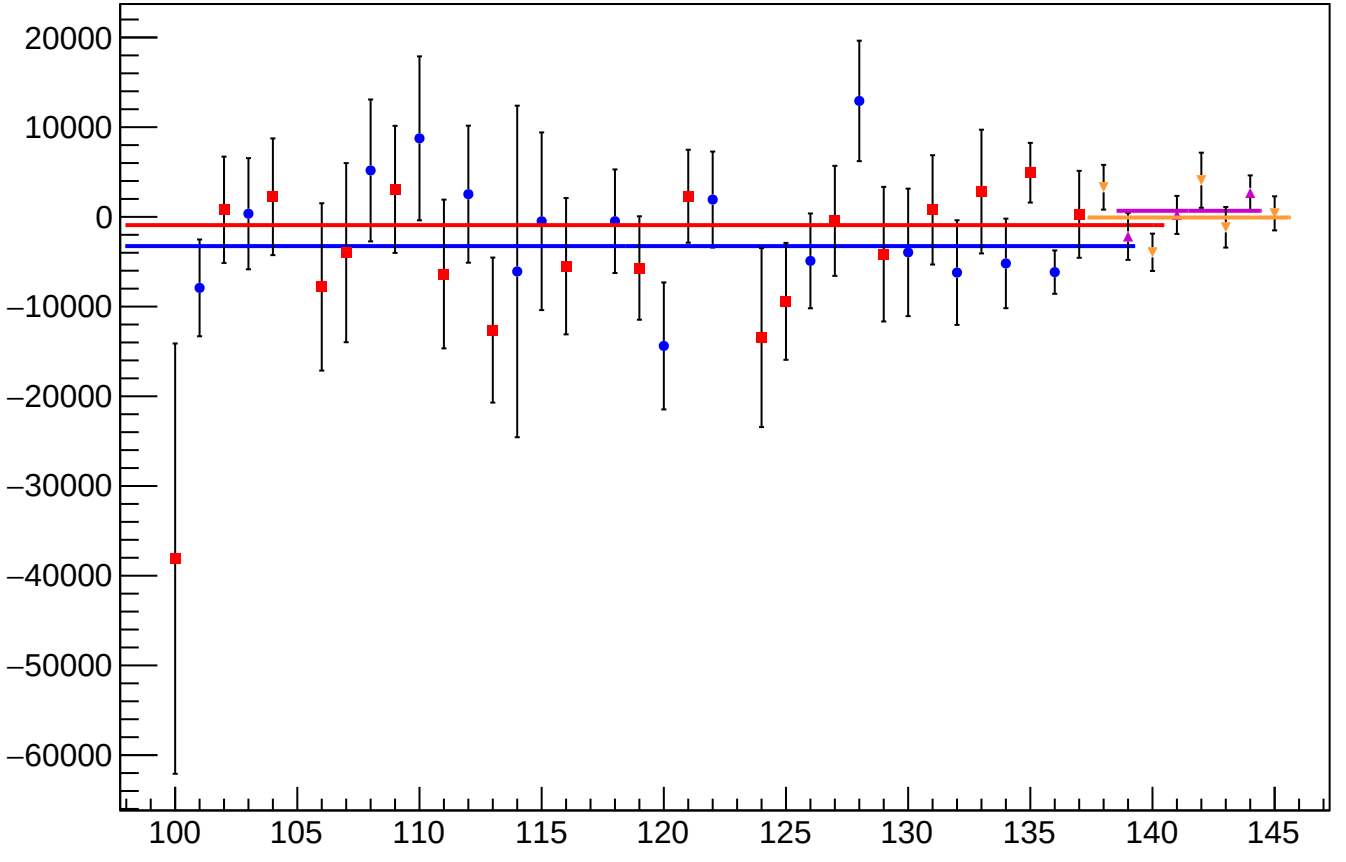
Left In: 275.214+/-0.120 χ^2/NDF:21268.4/2

+ sign 313.716+/-0.069 χ^2/NDF: 1089271.7/20

All: 318.234+/-0.051 χ^2/NDF: 2245542.8/42

- sign 323.487+/-0.074 χ^2/NDF: 1146982.0/21

asym_sam2_dit_correction_mean vs Slug



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

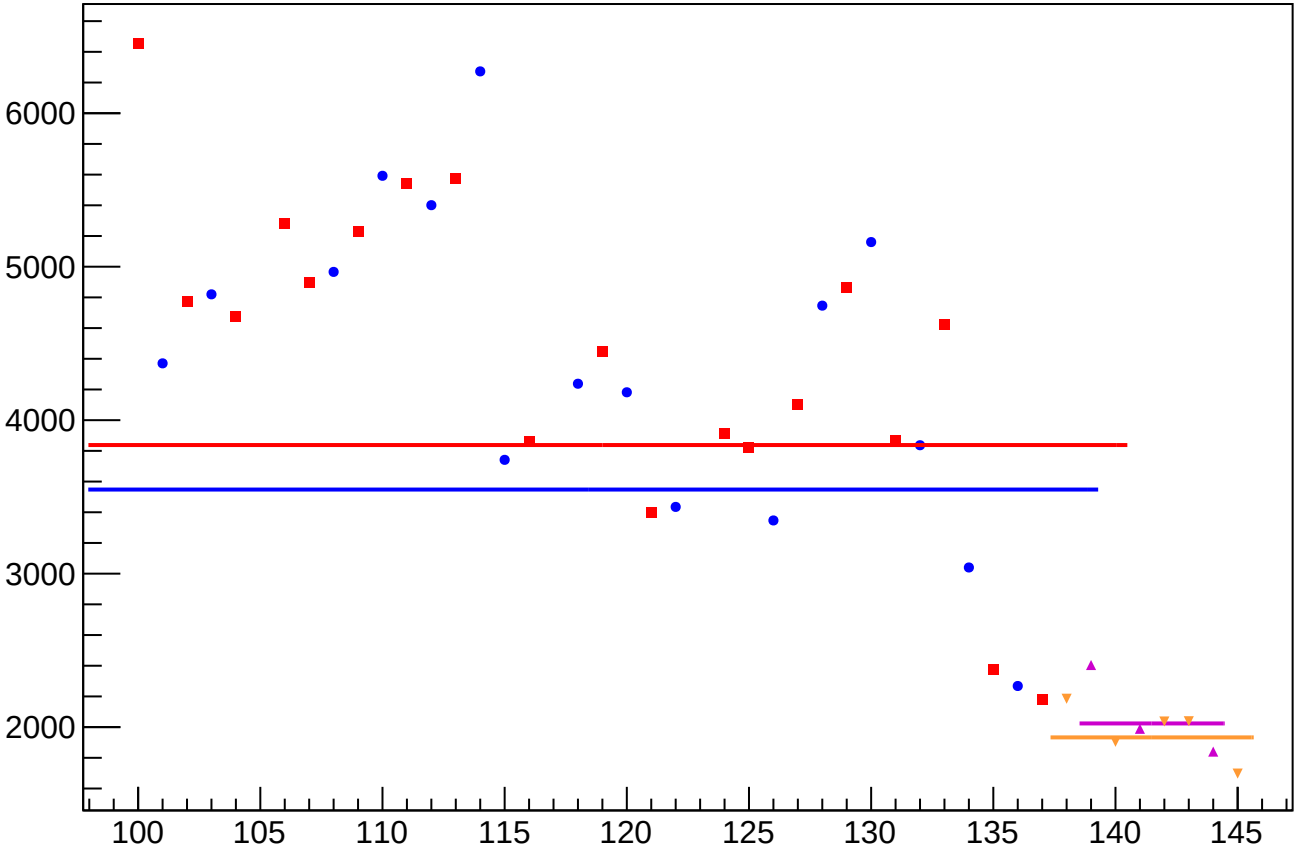
Left In: 677.093+/-1259.631 χ^2/NDF:2.3/2

\+ sign -1184.026+/-818.529 χ^2/NDF: 26.9/20

All: -683.866+/-621.193 χ^2/NDF: 45.4/42

\- sign -4.544+/-953.933 χ^2/NDF: 17.6/21

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

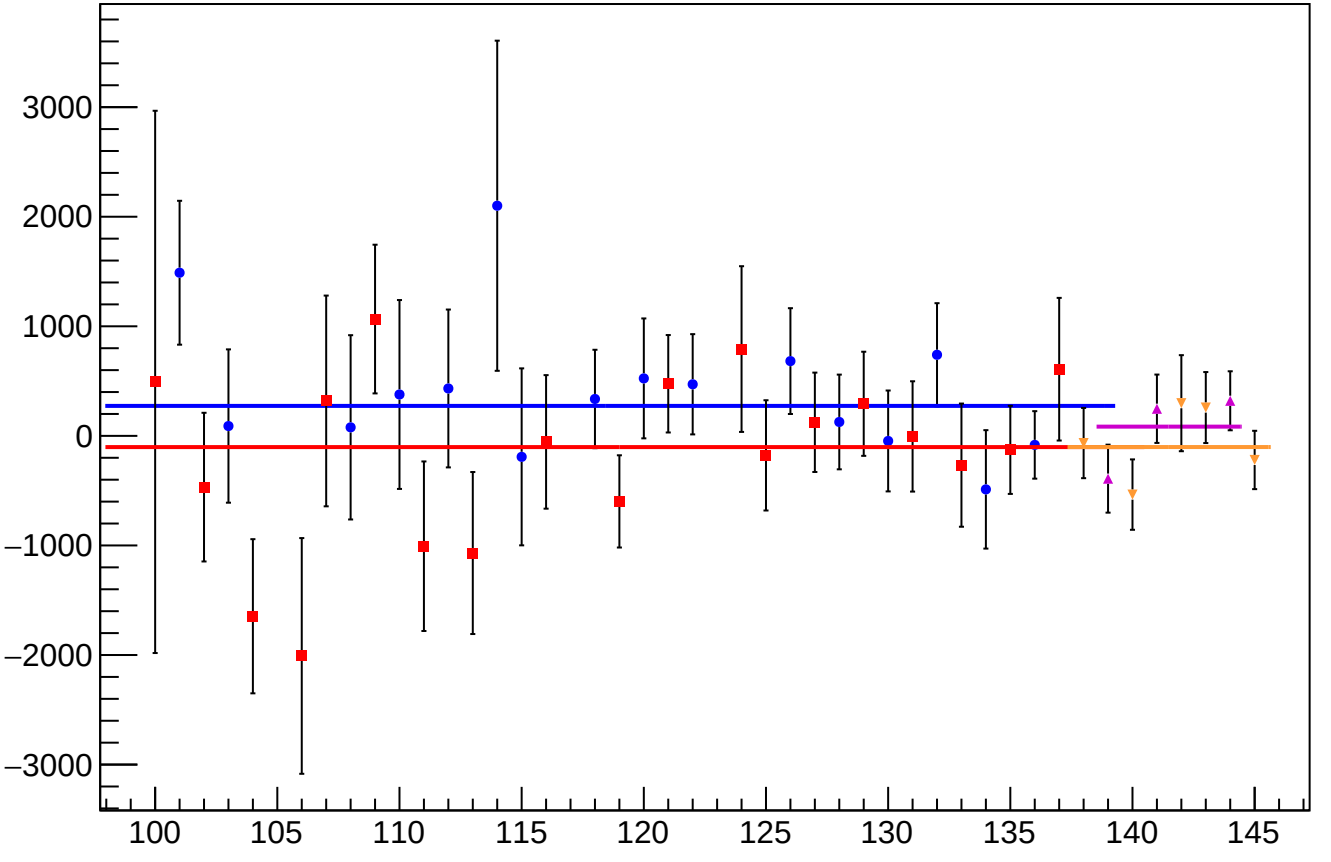
Left In: 2023.972+/-0.891 χ^2/NDF:60571.1/2

+ sign 2497.818+/-0.579 χ^2/NDF: 3087085.2/20

All: 2624.942+/-0.439 χ^2/NDF: 6186196.8/42

- sign 2797.604+/-0.675 χ^2/NDF: 2985348.9/21

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

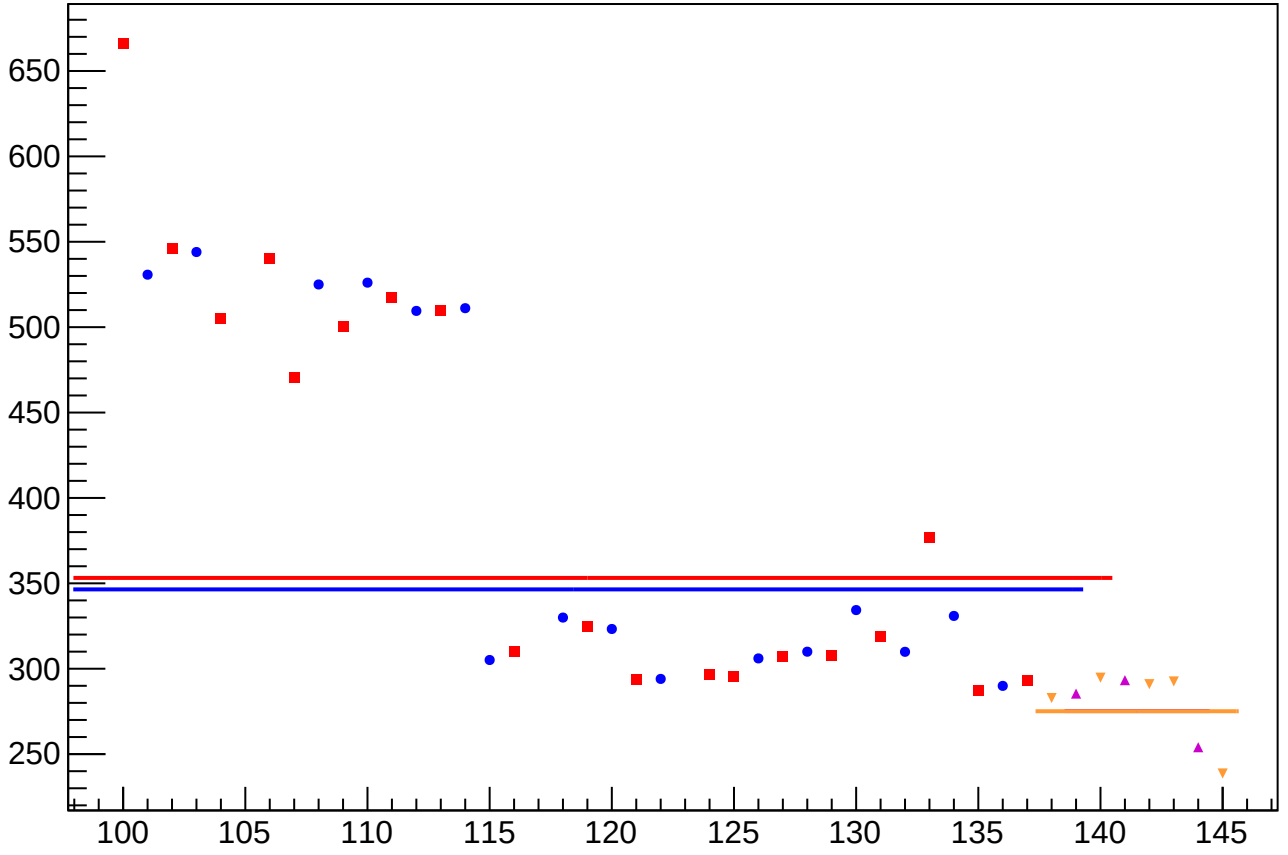
Left In: 84.364+/-170.361 χ^2/NDF:3.4/2

+ sign 101.245+/-97.496 χ^2/NDF: 19.2/20

All: 39.980+/-71.487 χ^2/NDF: 45.5/42

- sign -31.256+/-105.131 χ^2/NDF: 25.4/21

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

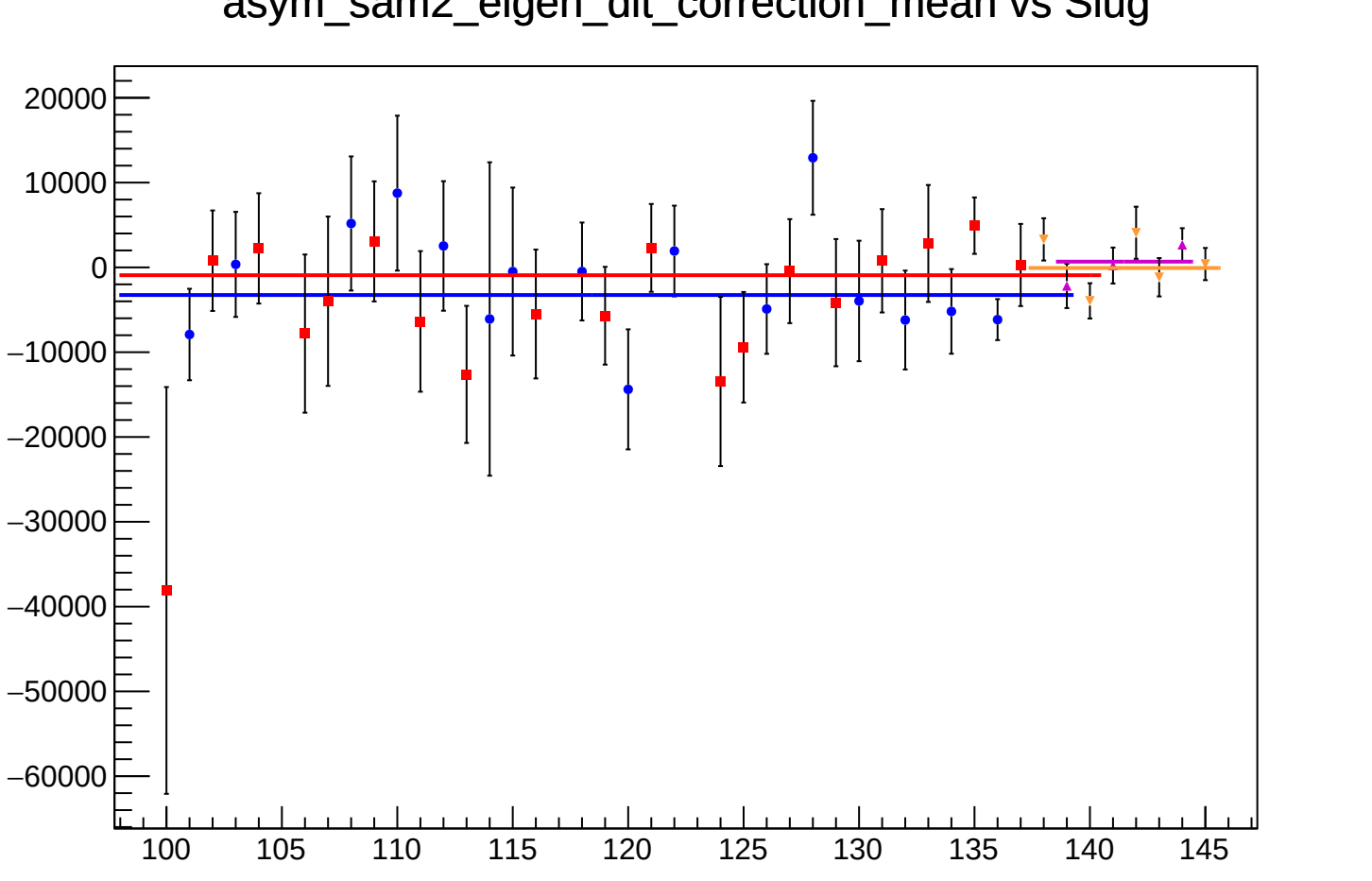
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 275.214+/-0.120 χ^2/NDF:21268.3/2

+ sign 313.715+/-0.069 χ^2/NDF: 1089251.1/20

All: 318.233+/-0.051 χ^2/NDF: 2245504.4/42

- sign 323.487+/-0.074 χ^2/NDF: 1146963.5/21



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

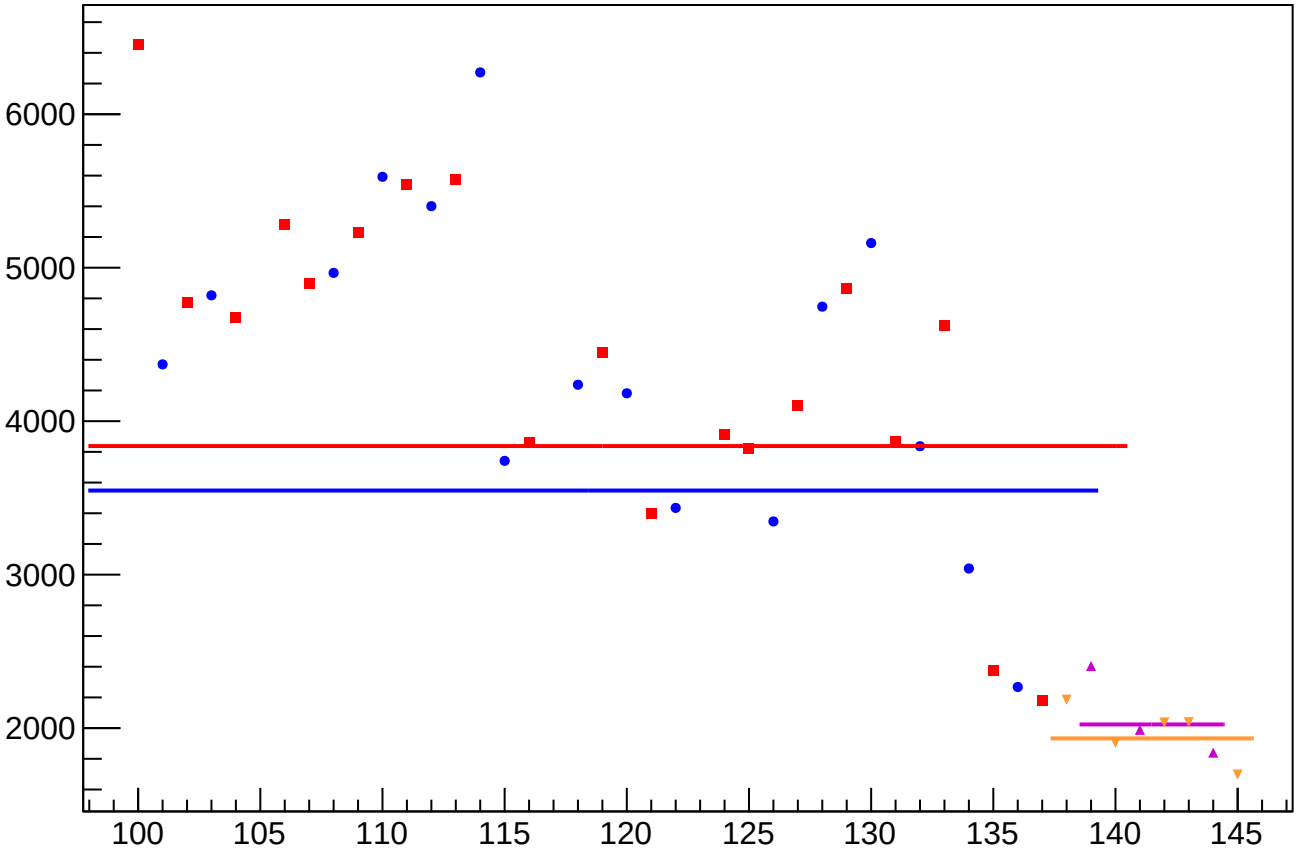
Left In: 677.090+/-1259.630 χ^2/NDF:2.3/2

+ sign -1184.027+/-818.528 χ^2/NDF: 26.9/20

All: -683.869+/-621.192 χ^2/NDF: 45.4/42

- sign -4.547+/-953.932 χ^2/NDF: 17.6/21

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

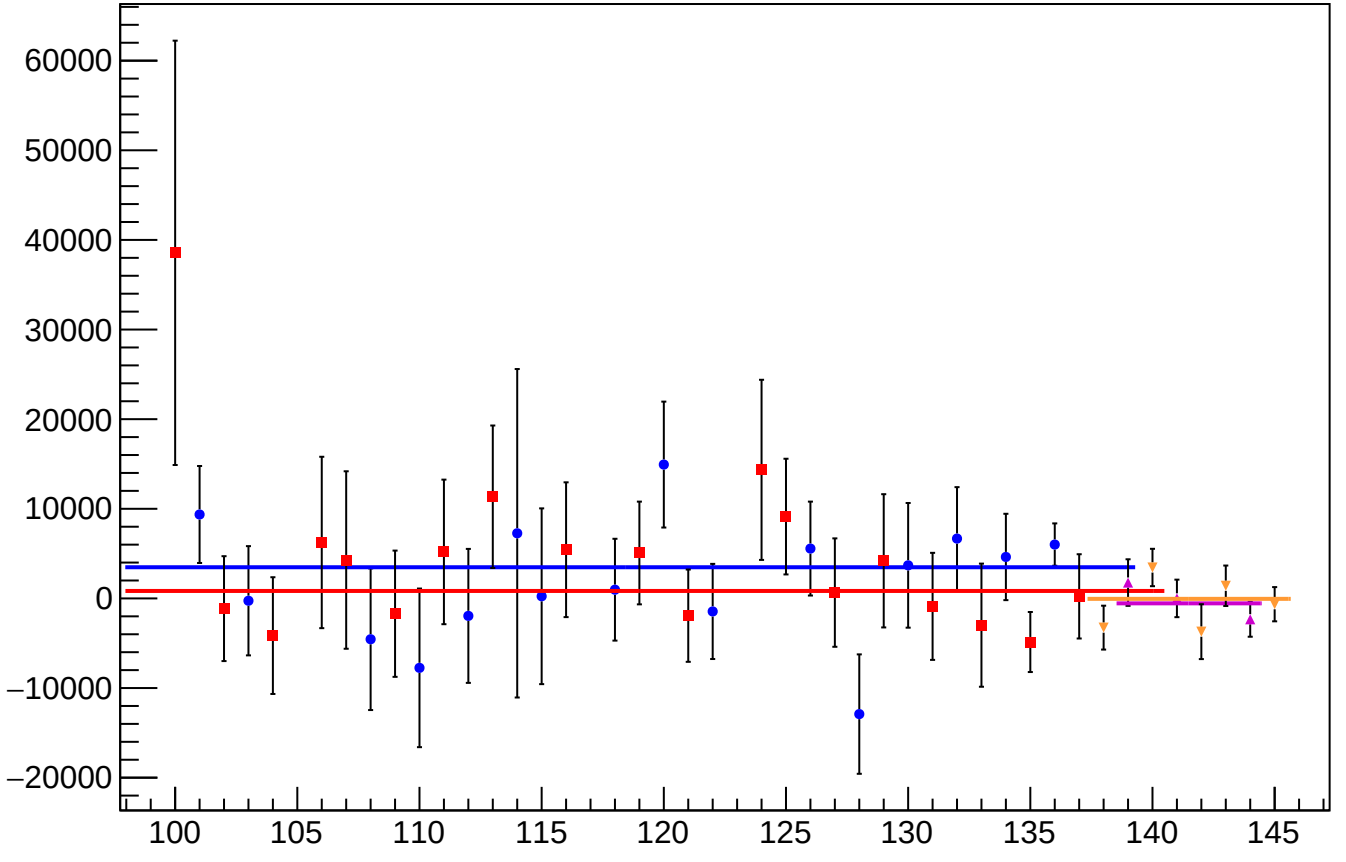
Left In: 2023.970+/-0.891 χ^2/NDF:60569.9/2

+ sign 2497.815+/-0.579 χ^2/NDF: 3087077.0/20

All: 2624.940+/-0.439 χ^2/NDF: 6186177.0/42

- sign 2797.602+/-0.675 χ^2/NDF: 2985336.5/21

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

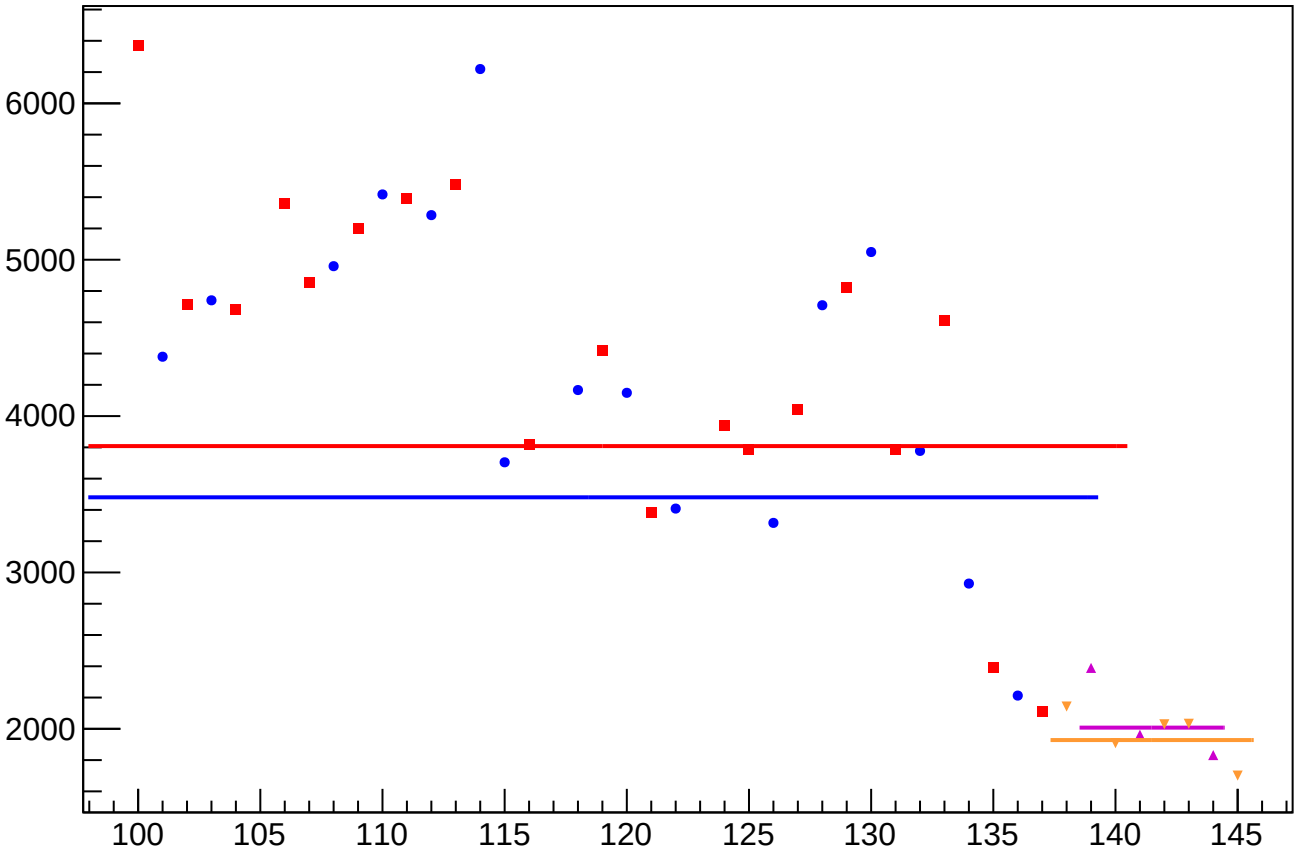
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -549.972+/-1249.565 χ^2/NDF:1.7/2

+ sign 1210.331+/-812.606 χ^2/NDF: 27.1/20

All: 713.455+/-616.544 χ^2/NDF: 44.3/42

- sign 39.381+/-946.476 χ^2/NDF: 16.2/21



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

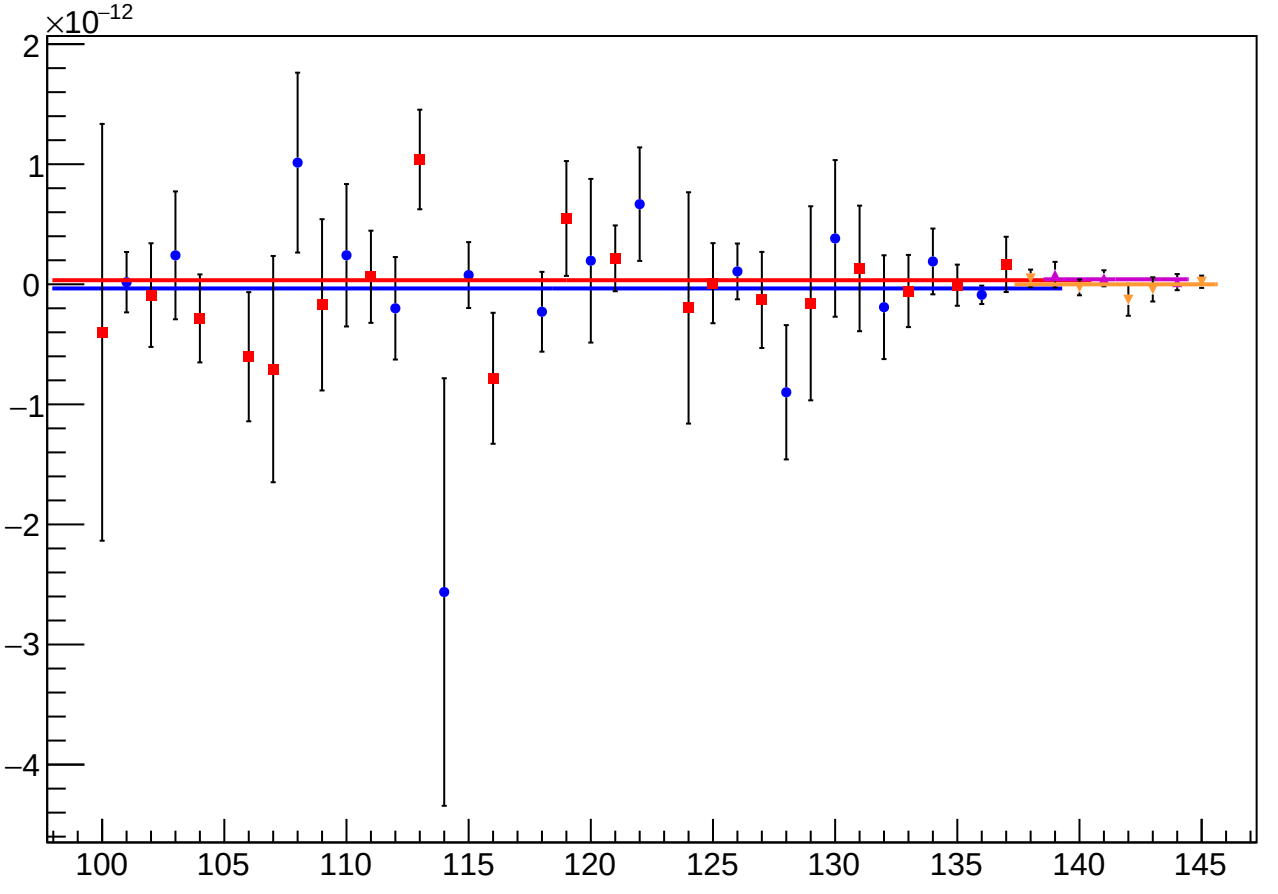
Left In: 2007.626+/-0.884 χ^2/NDF:60439.5/2

+ sign 2482.081+/-0.575 χ^2/NDF: 3022139.9/20

All: 2606.441+/-0.436 χ^2/NDF: 6110656.3/42

- sign 2775.152+/-0.669 χ^2/NDF: 2978127.9/21

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

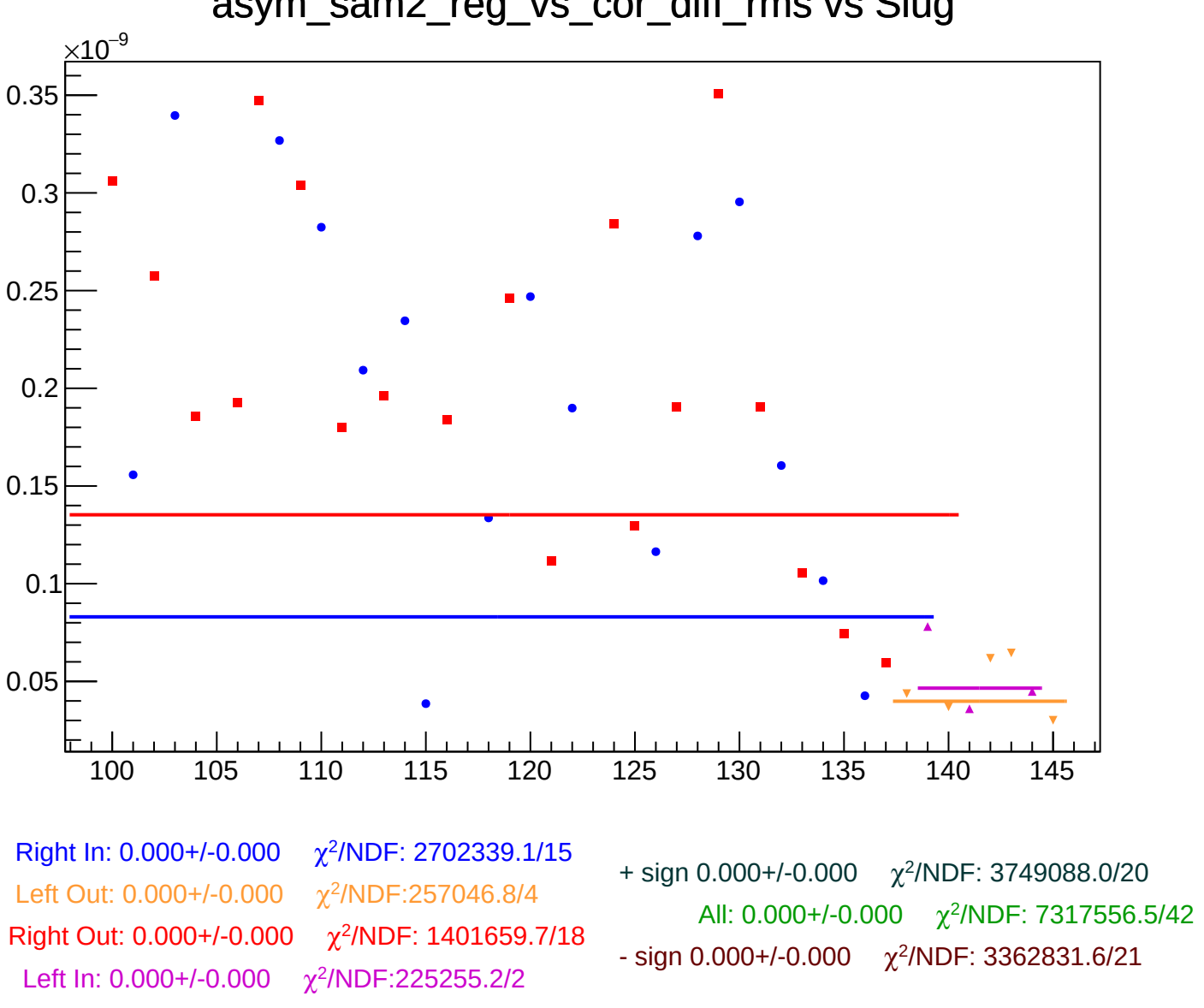
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

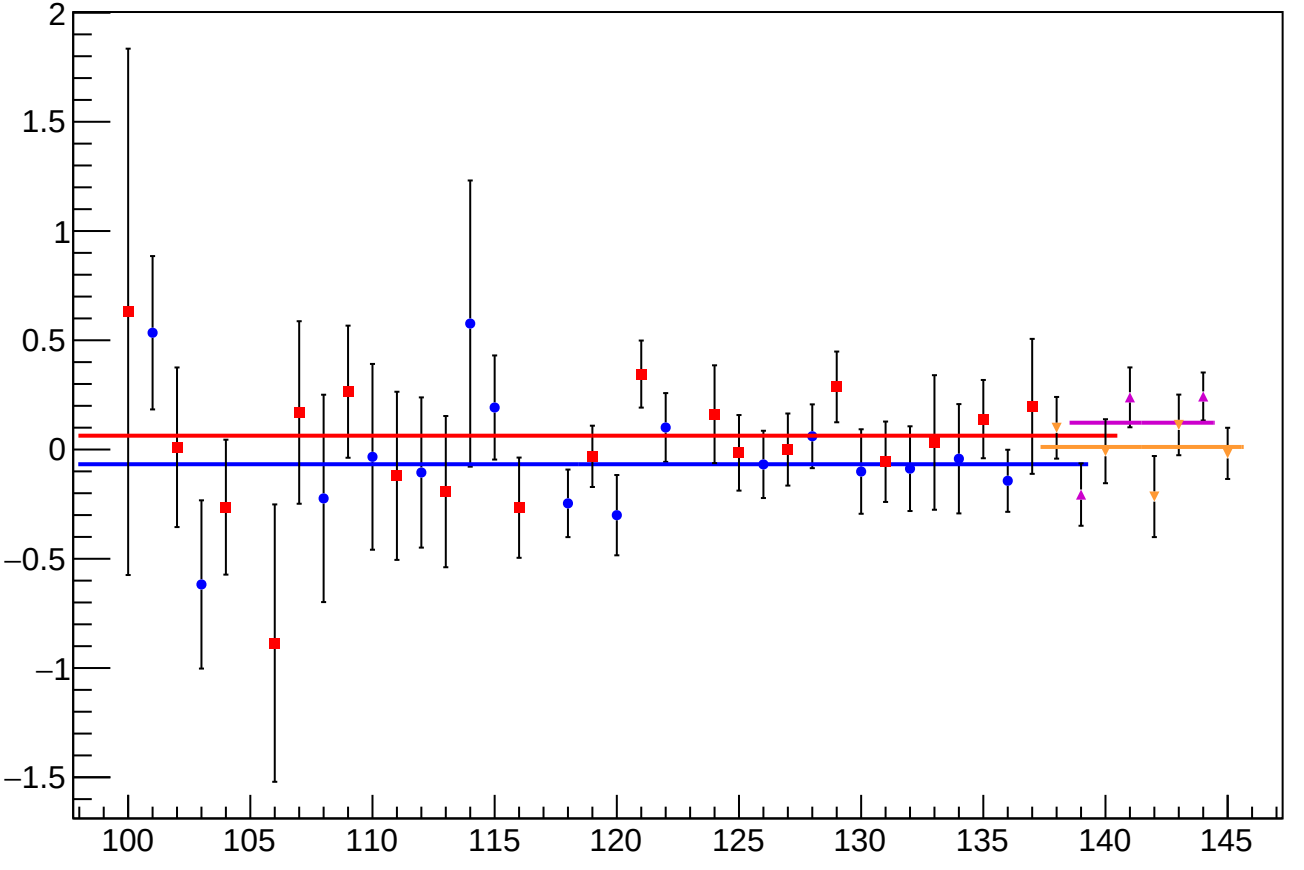
+ sign -0.000+/-0.000 χ^2/NDF: 14.1/20

All: 0.000+/-0.000 χ^2/NDF: 28.9/42

- sign 0.000+/-0.000 χ^2/NDF: 13.8/21


asym_sam2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:257046.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:225255.2/2
+ sign 0.000+/-0.000 χ²/NDF: 3749088.0/20
All: 0.000+/-0.000 χ²/NDF: 7317556.5/42
- sign 0.000+/-0.000 χ²/NDF: 3362831.6/21

asym_sam2_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

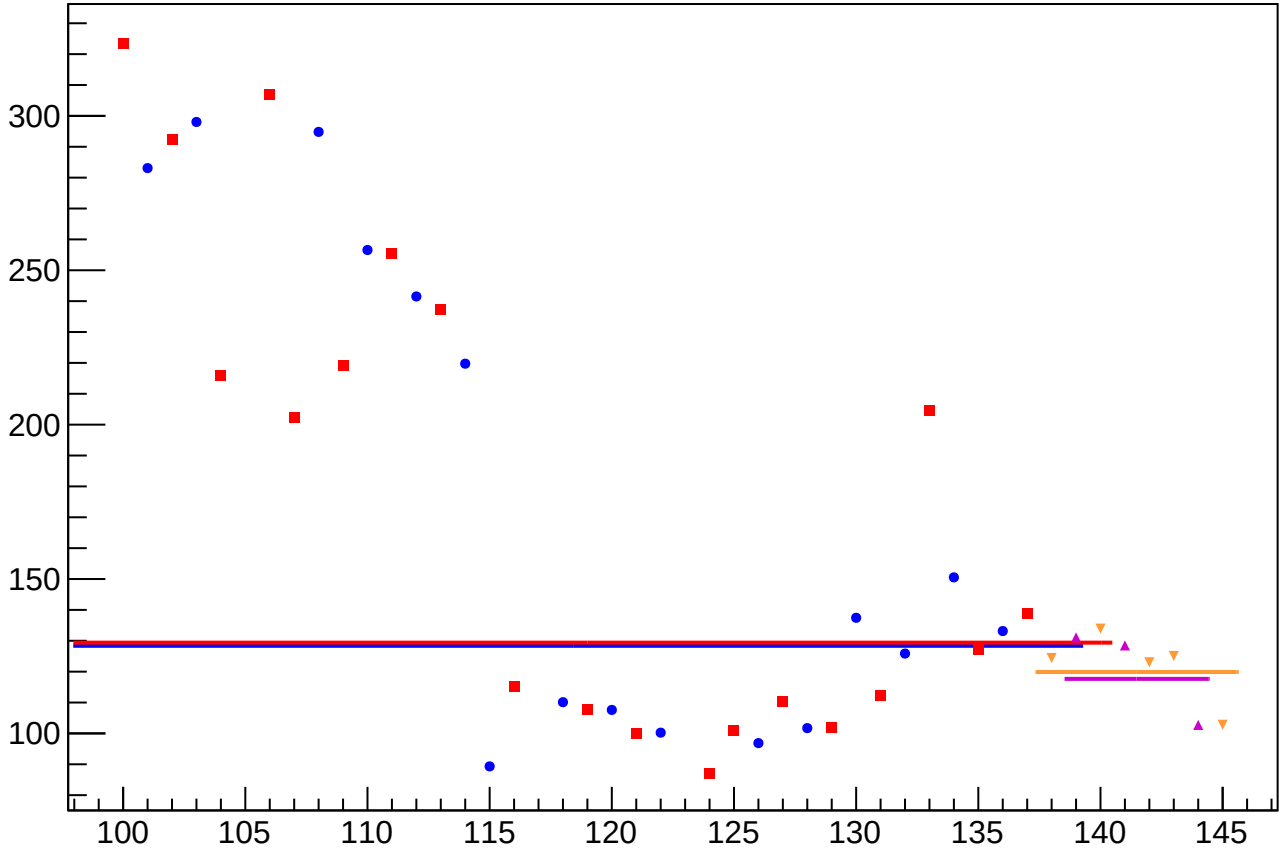
Left In: 0.123+/-0.073 χ^2/NDF:7.2/2

+ sign -0.036+/-0.040 χ^2/NDF: 15.9/20

All: 0.021+/-0.029 χ^2/NDF: 41.7/42

- sign 0.083+/-0.042 χ^2/NDF: 21.7/21

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

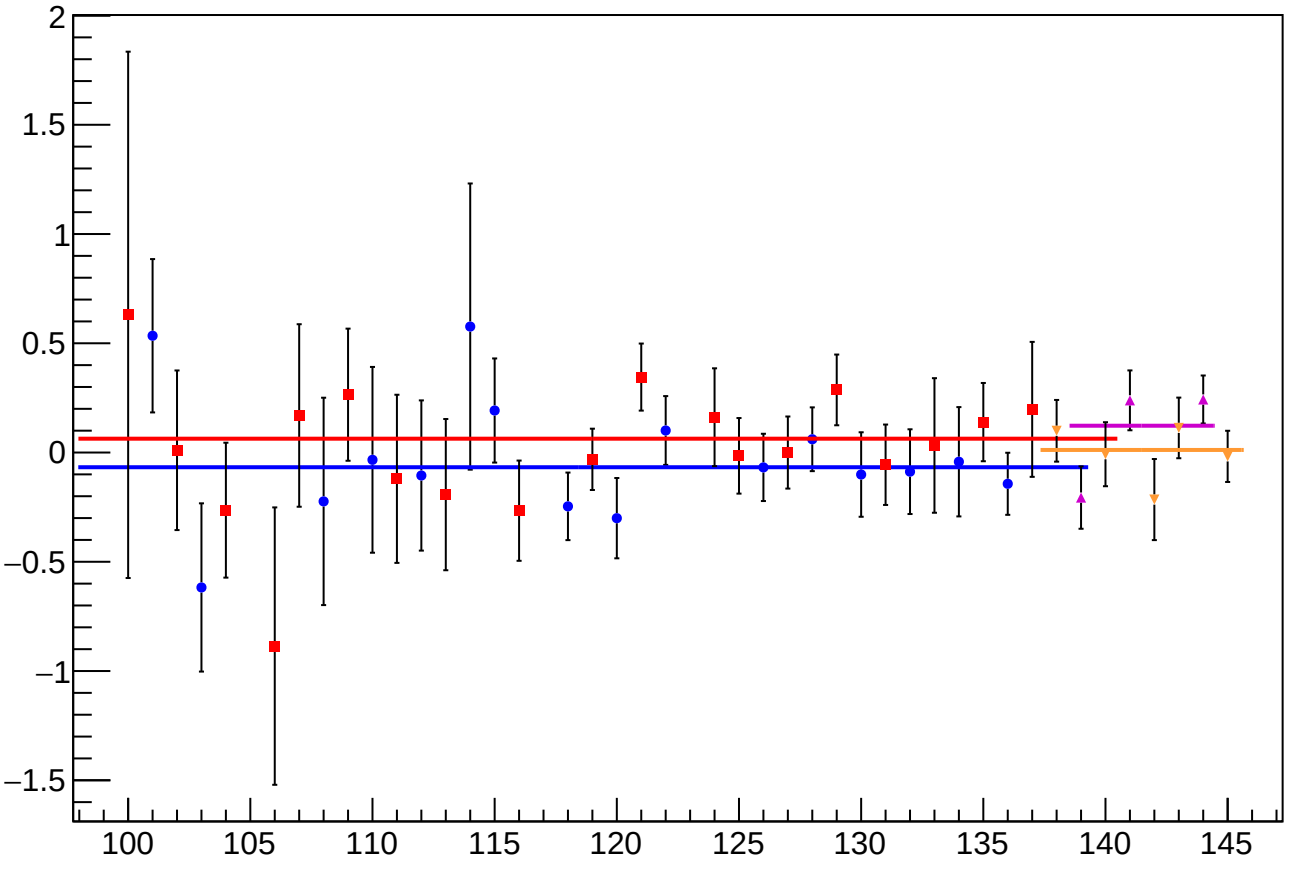
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 117.662+/-0.052 χ^2/NDF:67129.7/2

+ sign 124.964+/-0.028 χ^2/NDF: 1893108.2/20

All: 125.226+/-0.021 χ^2/NDF: 3882874.6/42

- sign 125.519+/-0.030 χ^2/NDF: 1989584.6/21



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

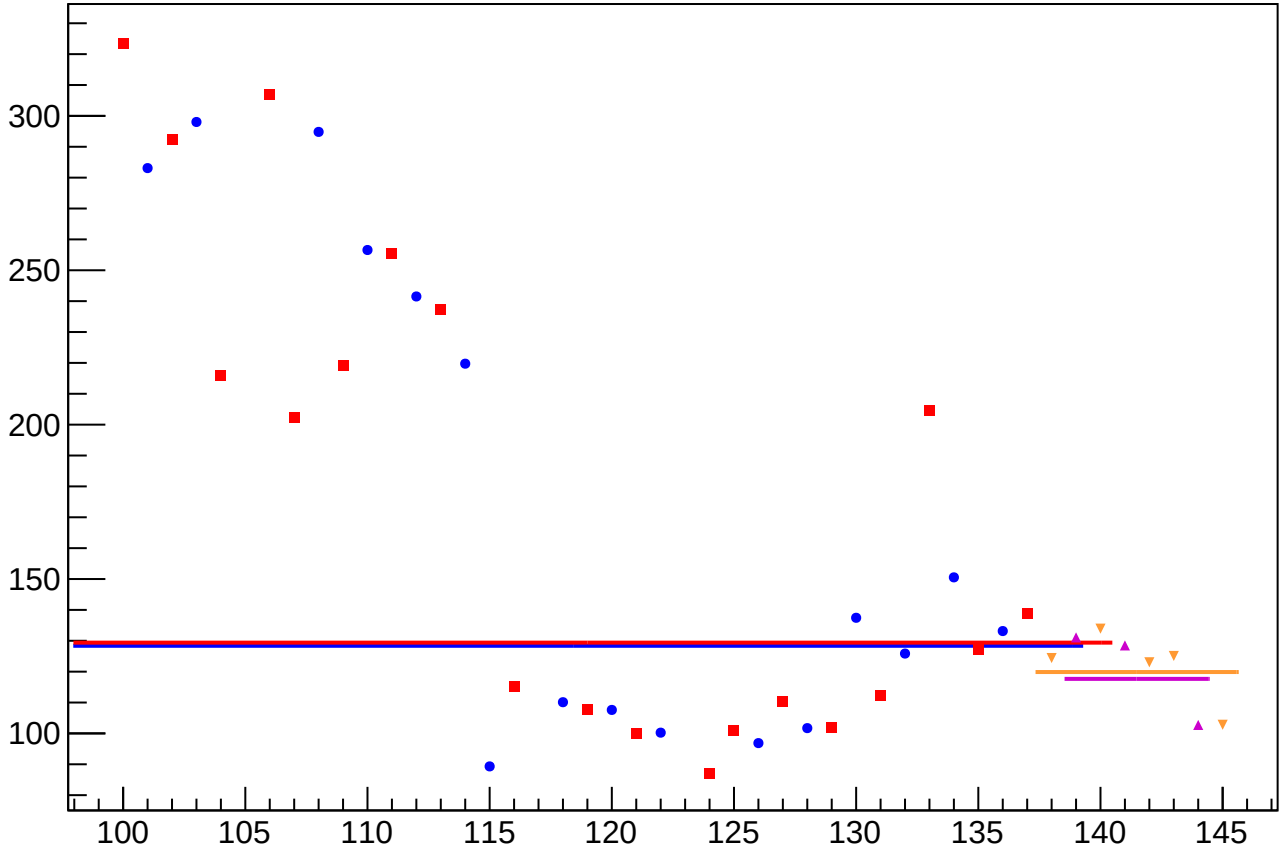
Left In: 0.123+/-0.073 χ^2/NDF:7.2/2

+ sign -0.036+/-0.040 χ^2/NDF: 15.9/20

All: 0.021+/-0.029 χ^2/NDF: 41.7/42

- sign 0.083+/-0.042 χ^2/NDF: 21.7/21

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

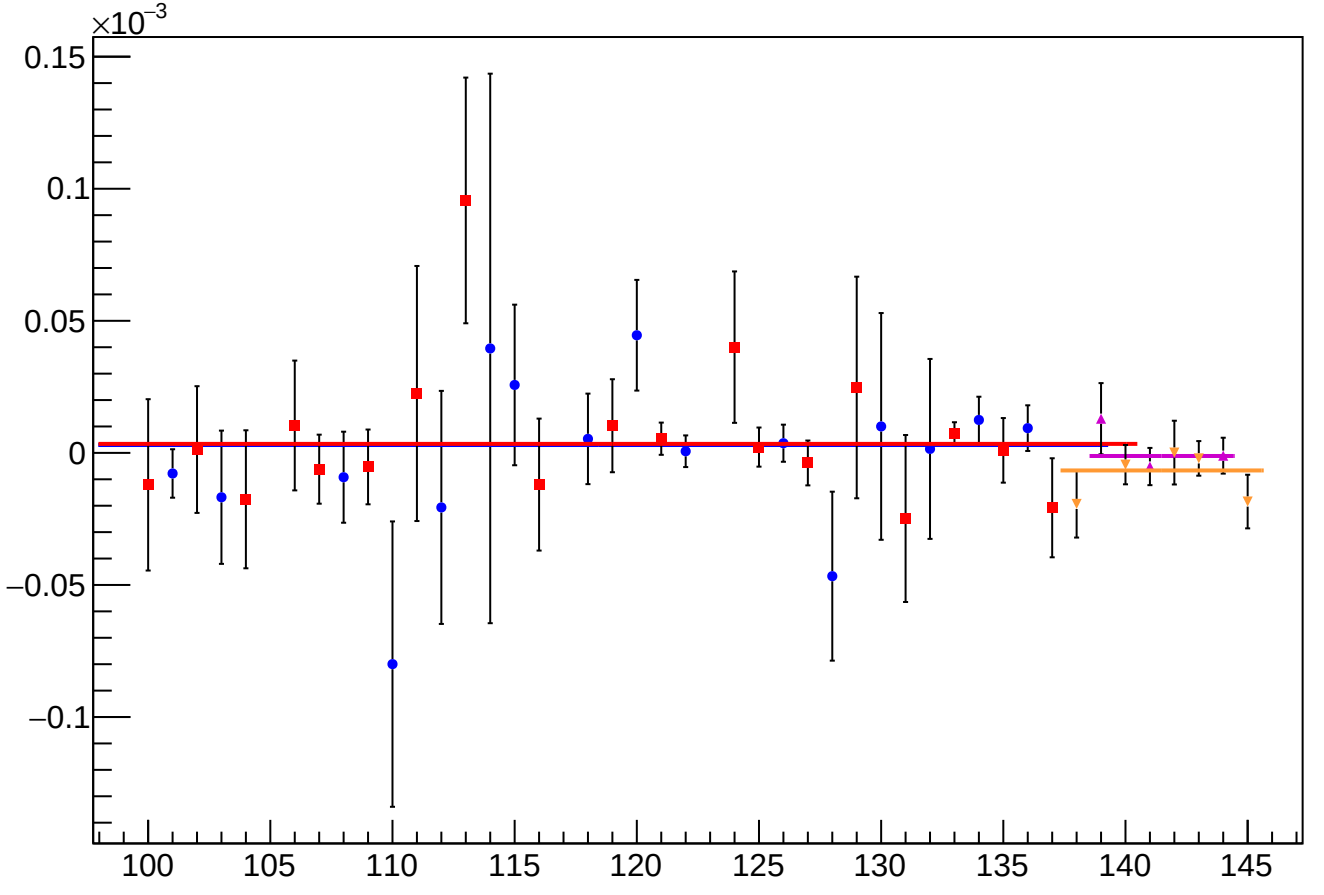
Left In: 117.662+/-0.052 χ^2/NDF:67129.7/2

+ sign 124.964+/-0.028 χ^2/NDF: 1893108.2/20

All: 125.226+/-0.021 χ^2/NDF: 3882874.6/42

- sign 125.519+/-0.030 χ^2/NDF: 1989584.6/21

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

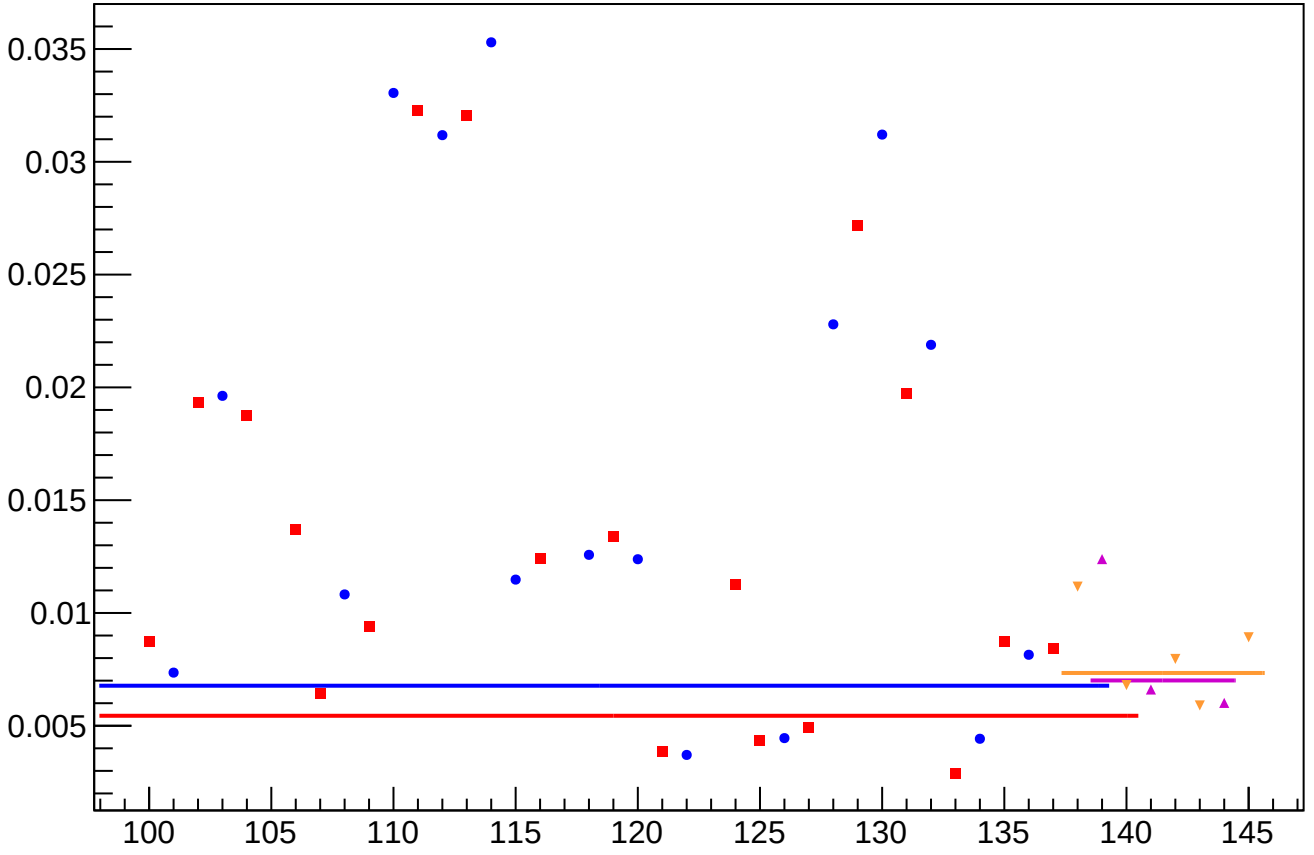
Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 21.0/20

All: 0.000+/-0.000 χ^2/NDF: 36.5/42

- sign 0.000+/-0.000 χ^2/NDF: 14.8/21

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

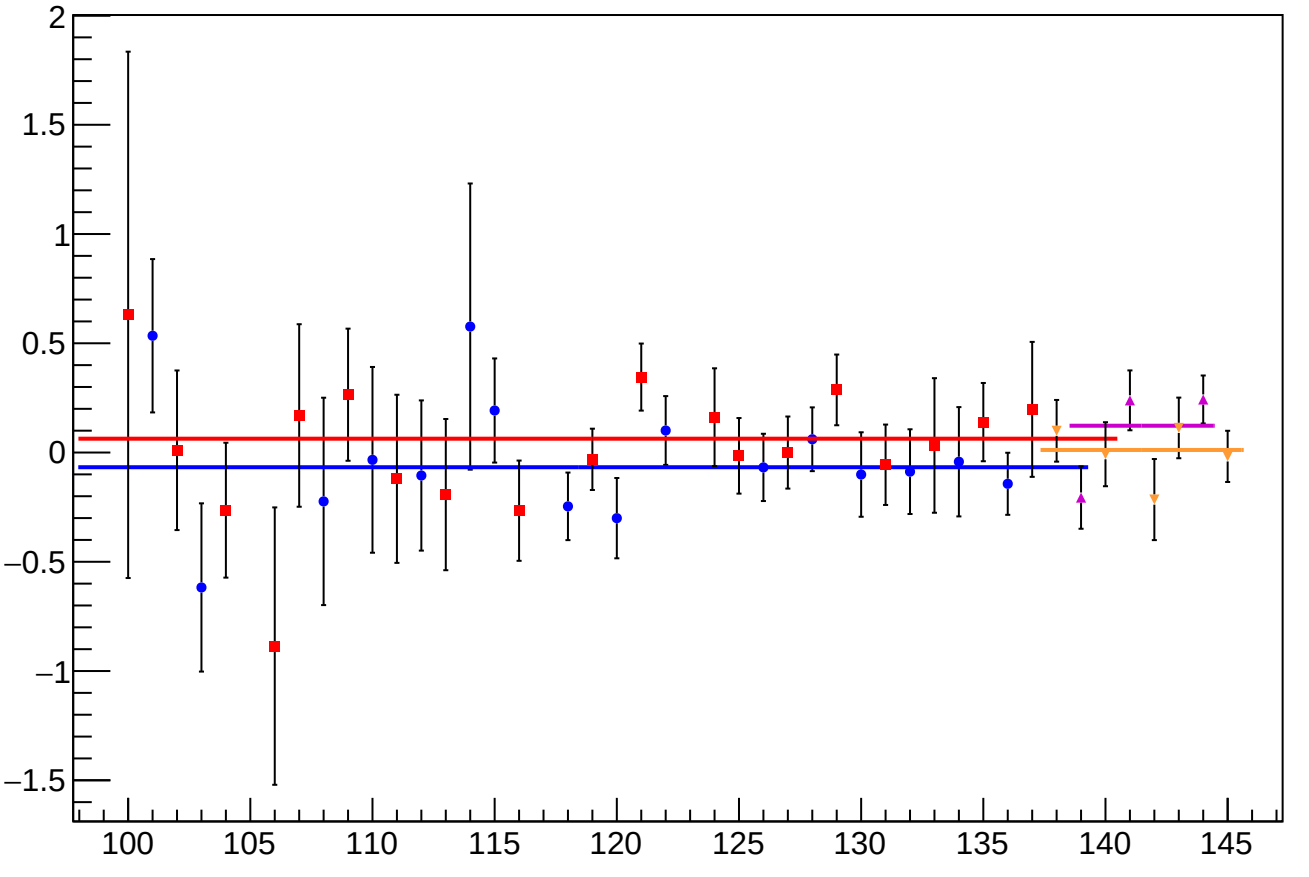
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:368169.1/2

+ sign 0.007+/-0.000 χ^2/NDF: 5138752.0/20

All: 0.006+/-0.000 χ^2/NDF: 11502075.6/42

- sign 0.006+/-0.000 χ^2/NDF: 6116481.4/21



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

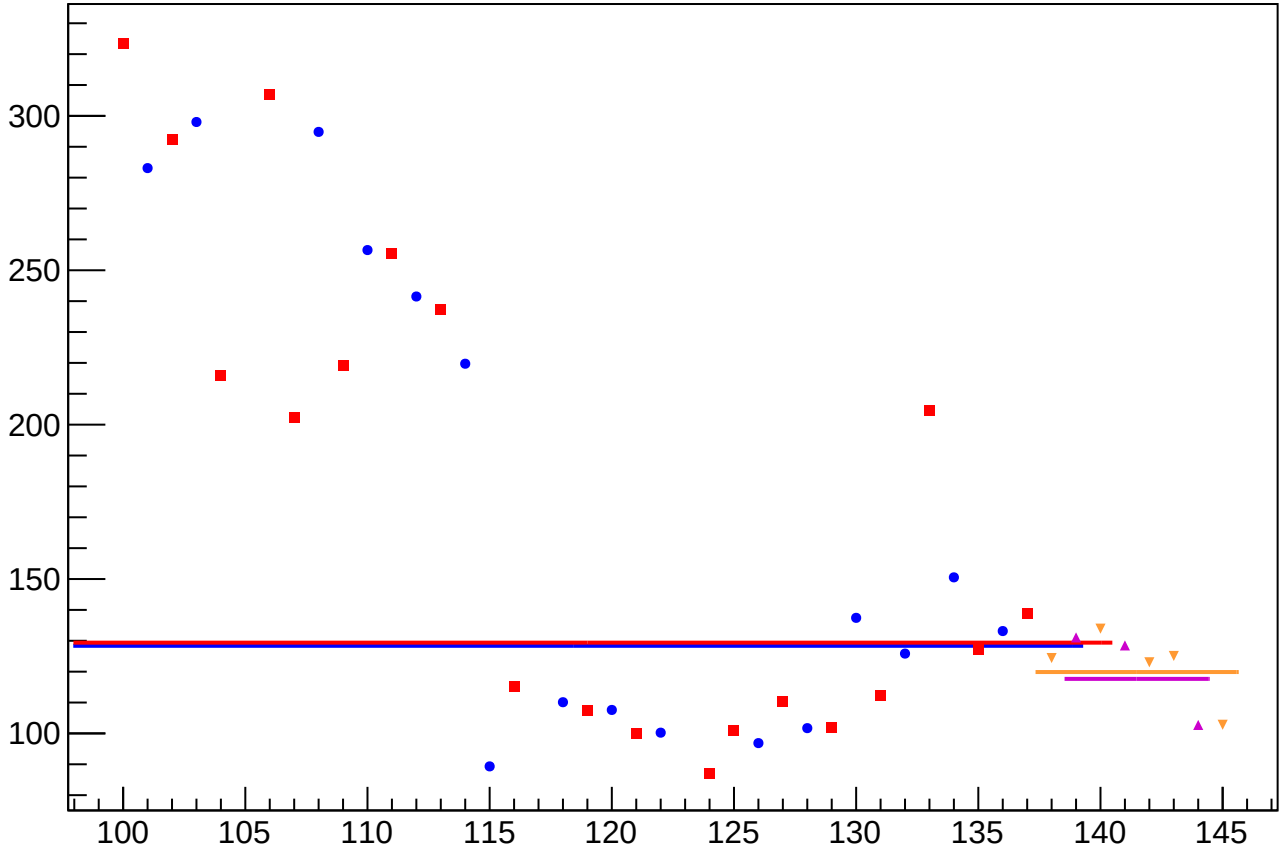
Left In: 0.123+/-0.073 χ^2/NDF:7.2/2

+ sign -0.036+/-0.040 χ^2/NDF: 15.9/20

All: 0.021+/-0.029 χ^2/NDF: 41.7/42

- sign 0.083+/-0.042 χ^2/NDF: 21.7/21

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

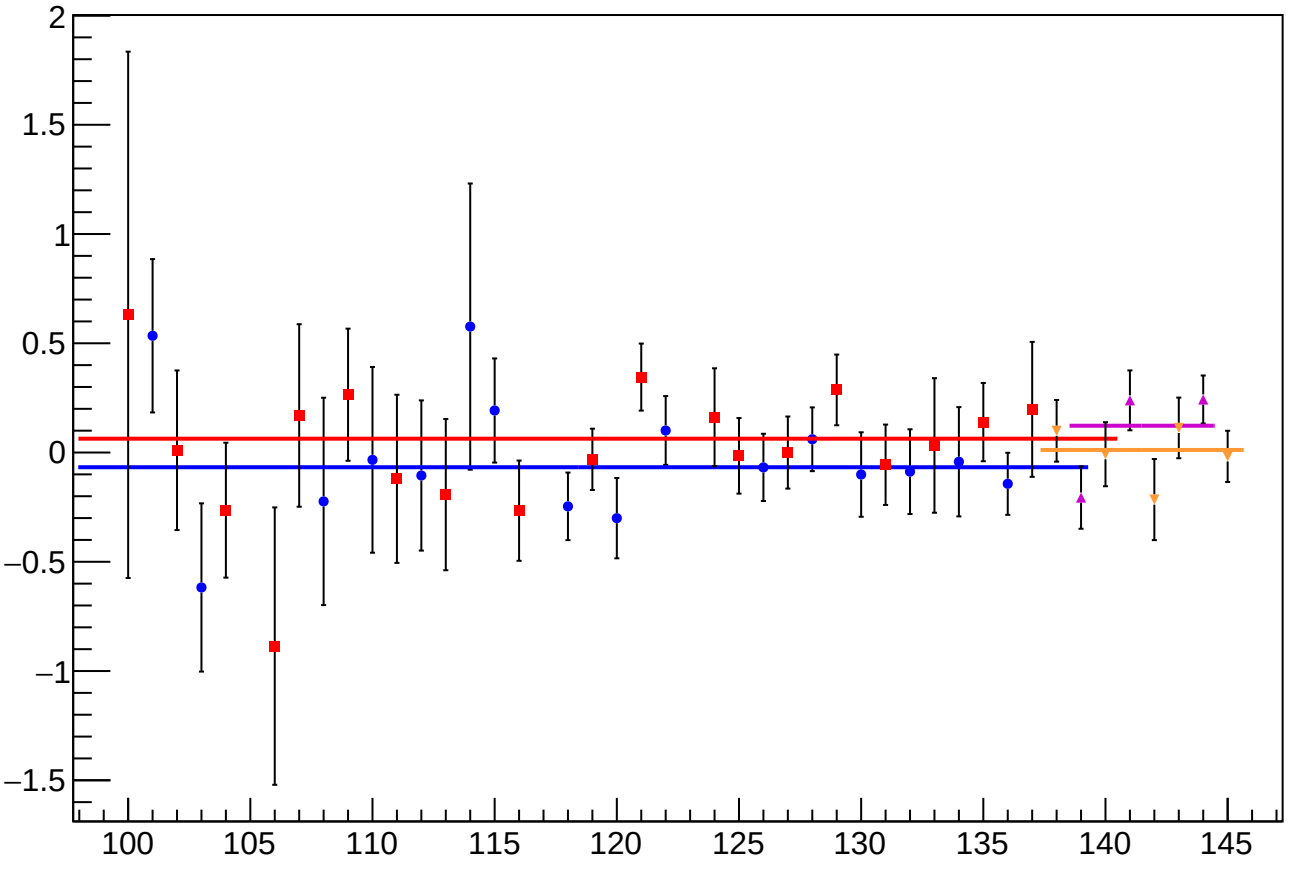
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 117.662+/-0.052 χ^2/NDF:67127.3/2

+ sign 124.962+/-0.028 χ^2/NDF: 1893045.5/20

All: 125.225+/-0.021 χ^2/NDF: 3882792.0/42

- sign 125.517+/-0.030 χ^2/NDF: 1989564.8/21



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

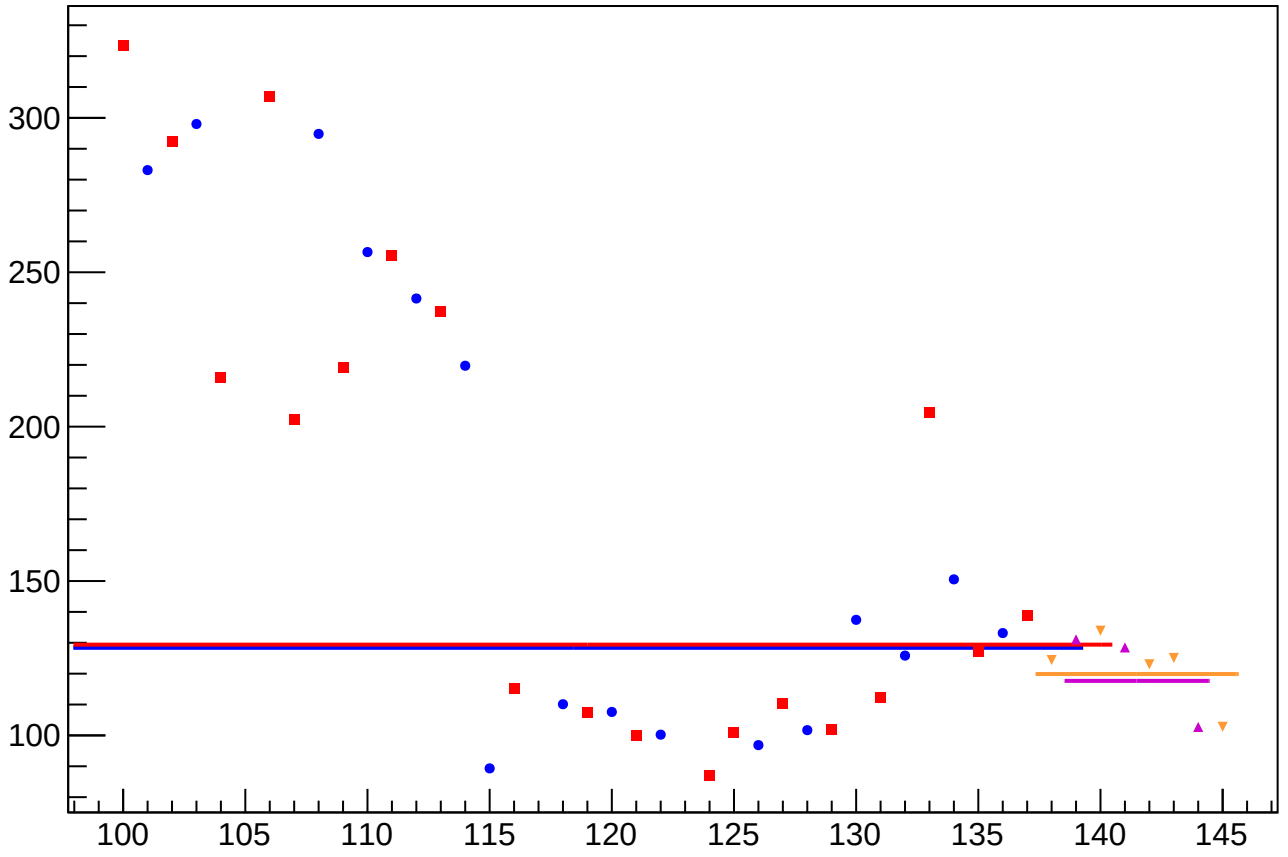
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.123+/-0.073 χ^2/NDF:7.2/2

\+ sign -0.036+/-0.040 χ^2/NDF: 15.9/20

All: 0.021+/-0.029 χ^2/NDF: 41.7/42

\- sign 0.083+/-0.042 χ^2/NDF: 21.7/21



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

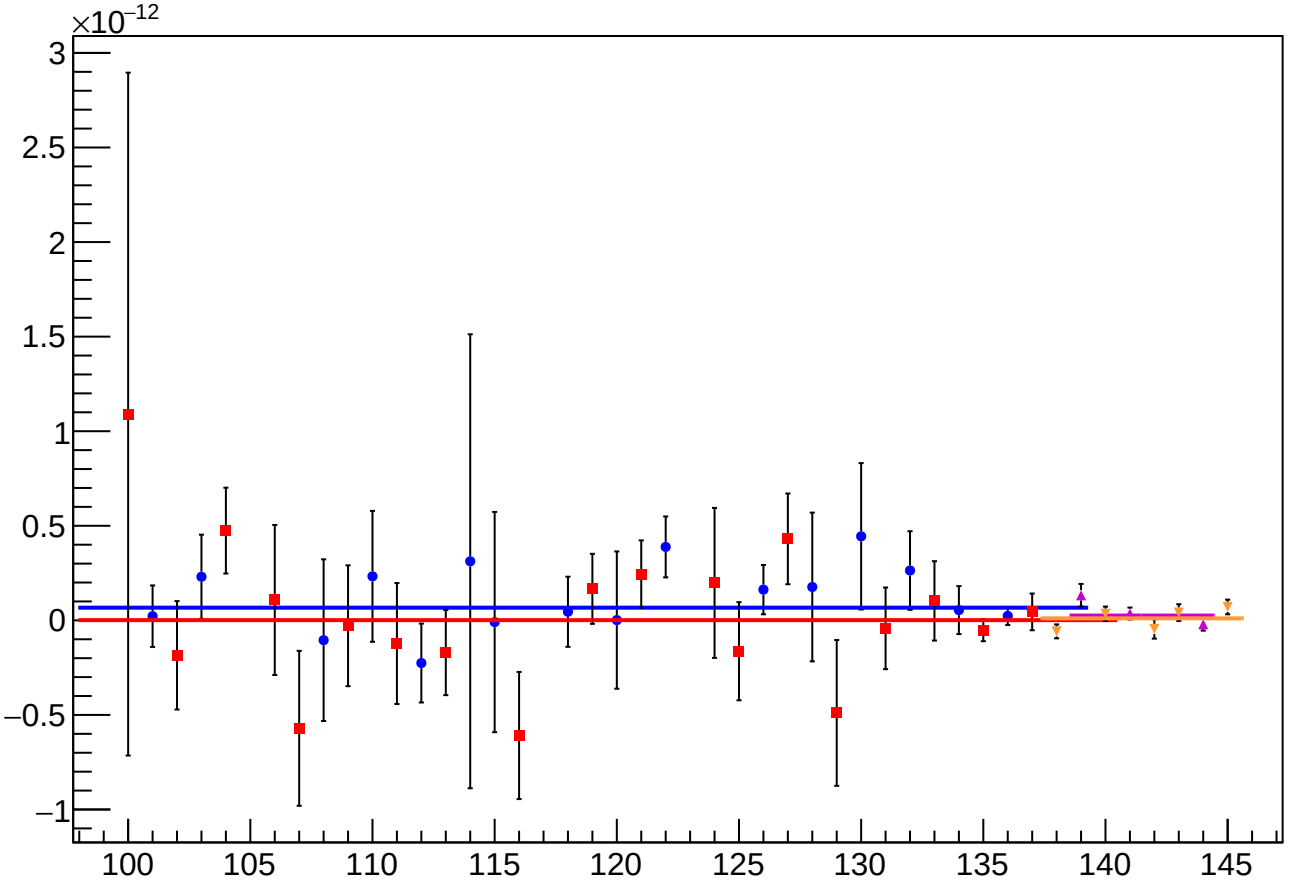
Left In: 117.662+/-0.052 χ^2/NDF:67127.3/2

+ sign 124.962+/-0.028 χ^2/NDF: 1893045.5/20

All: 125.225+/-0.021 χ^2/NDF: 3882792.0/42

- sign 125.517+/-0.030 χ^2/NDF: 1989564.8/21

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

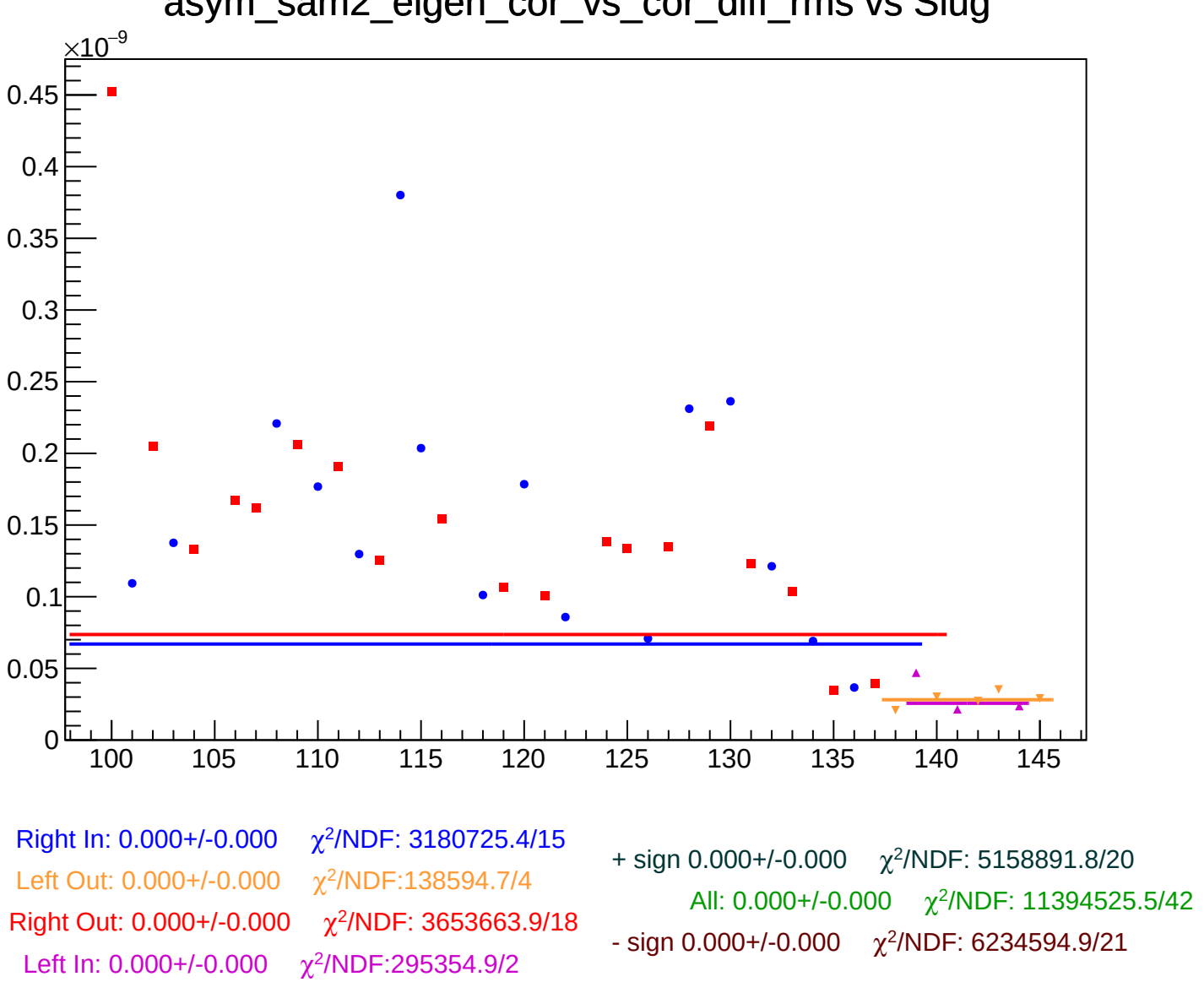
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/2

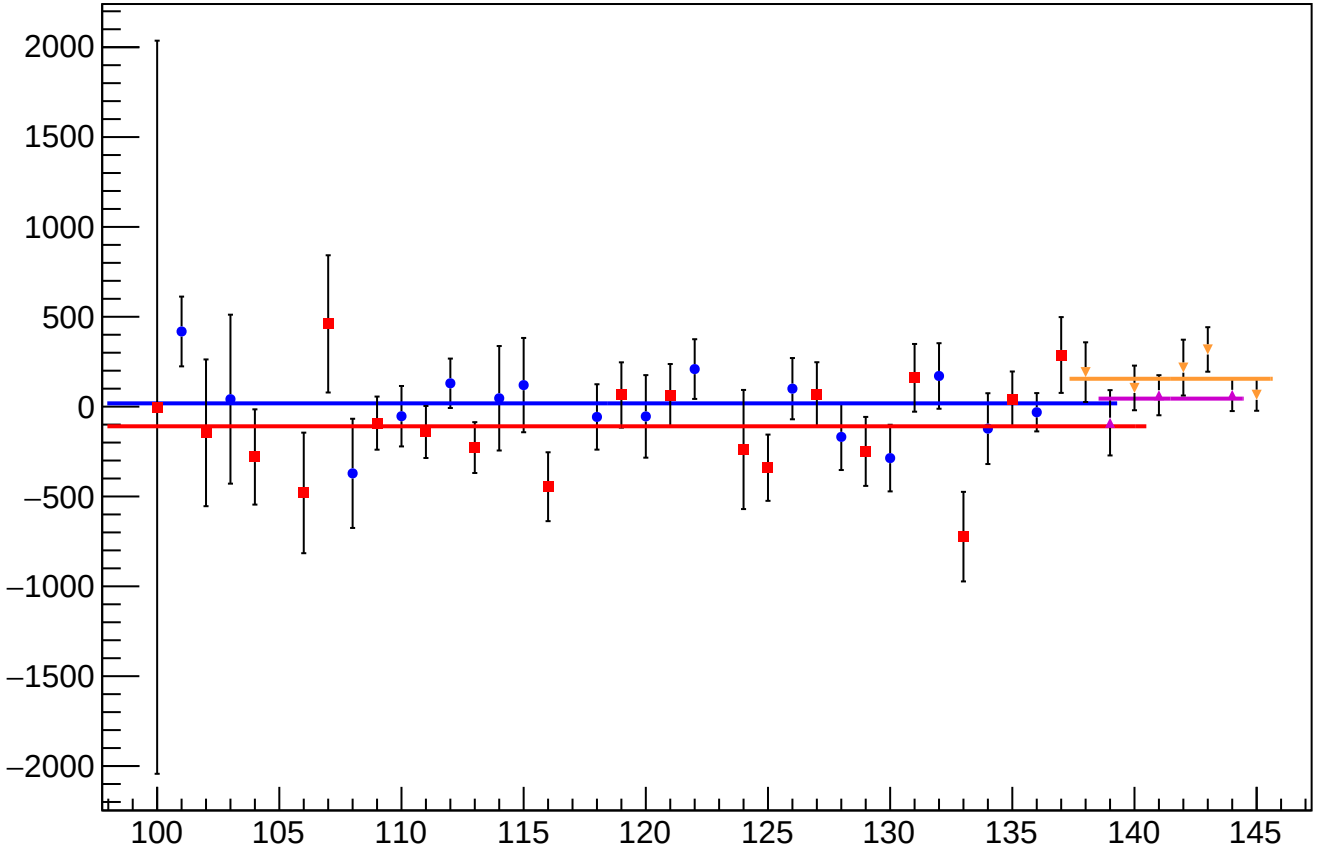
+ sign 0.000+/-0.000 χ^2/NDF: 20.3/20

All: 0.000+/-0.000 χ^2/NDF: 46.4/42

- sign 0.000+/-0.000 χ^2/NDF: 26.1/21


asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3180725.4/15
Left Out: 0.000+/-0.000 χ²/NDF:138594.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:295354.9/2
+ sign 0.000+/-0.000 χ²/NDF: 5158891.8/20
All: 0.000+/-0.000 χ²/NDF: 11394525.5/42
- sign 0.000+/-0.000 χ²/NDF: 6234594.9/21

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

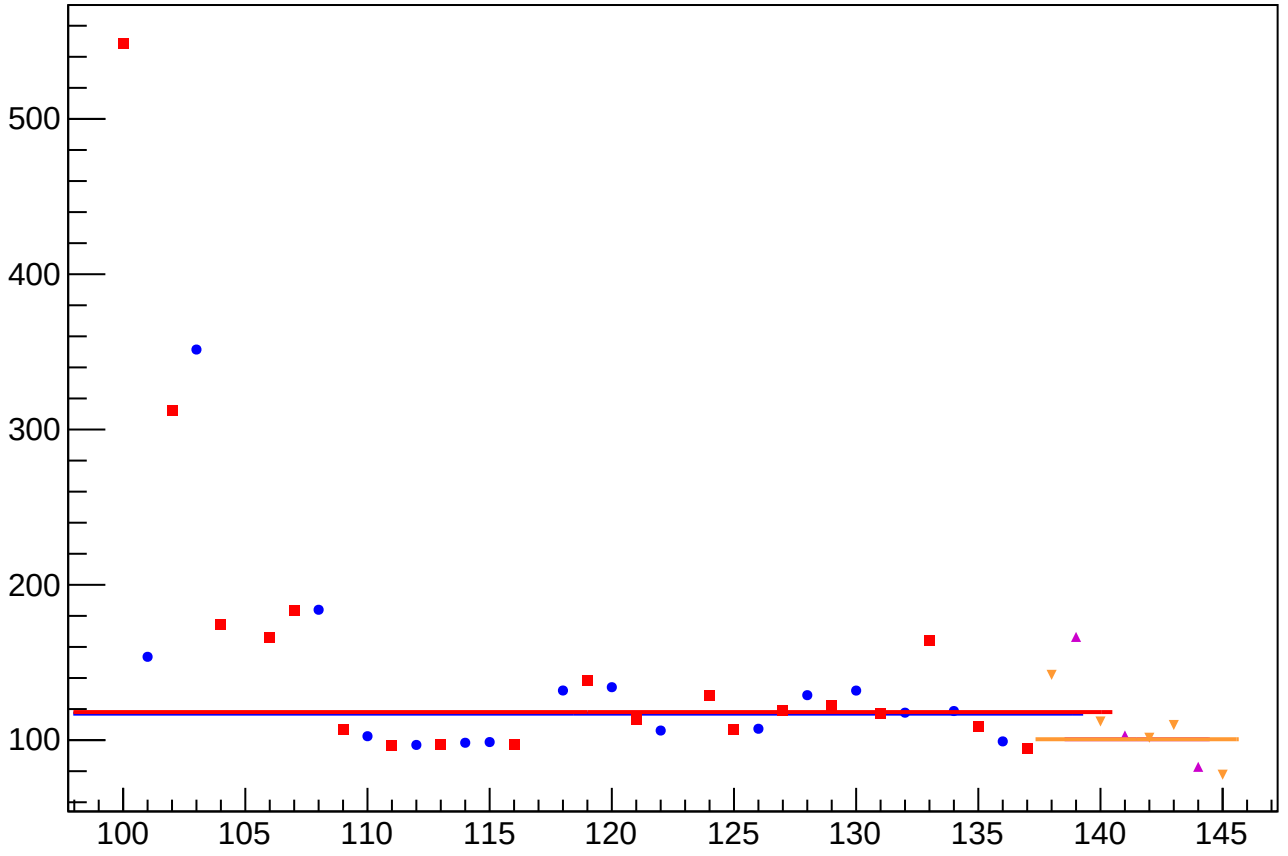
Left In: 44.549+/-65.372 χ^2/NDF:0.6/2

+ sign 74.423+/-35.079 χ^2/NDF: 20.7/20

All: 12.340+/-25.625 χ^2/NDF: 57.2/42

- sign -58.699+/-37.524 χ^2/NDF: 29.8/21

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

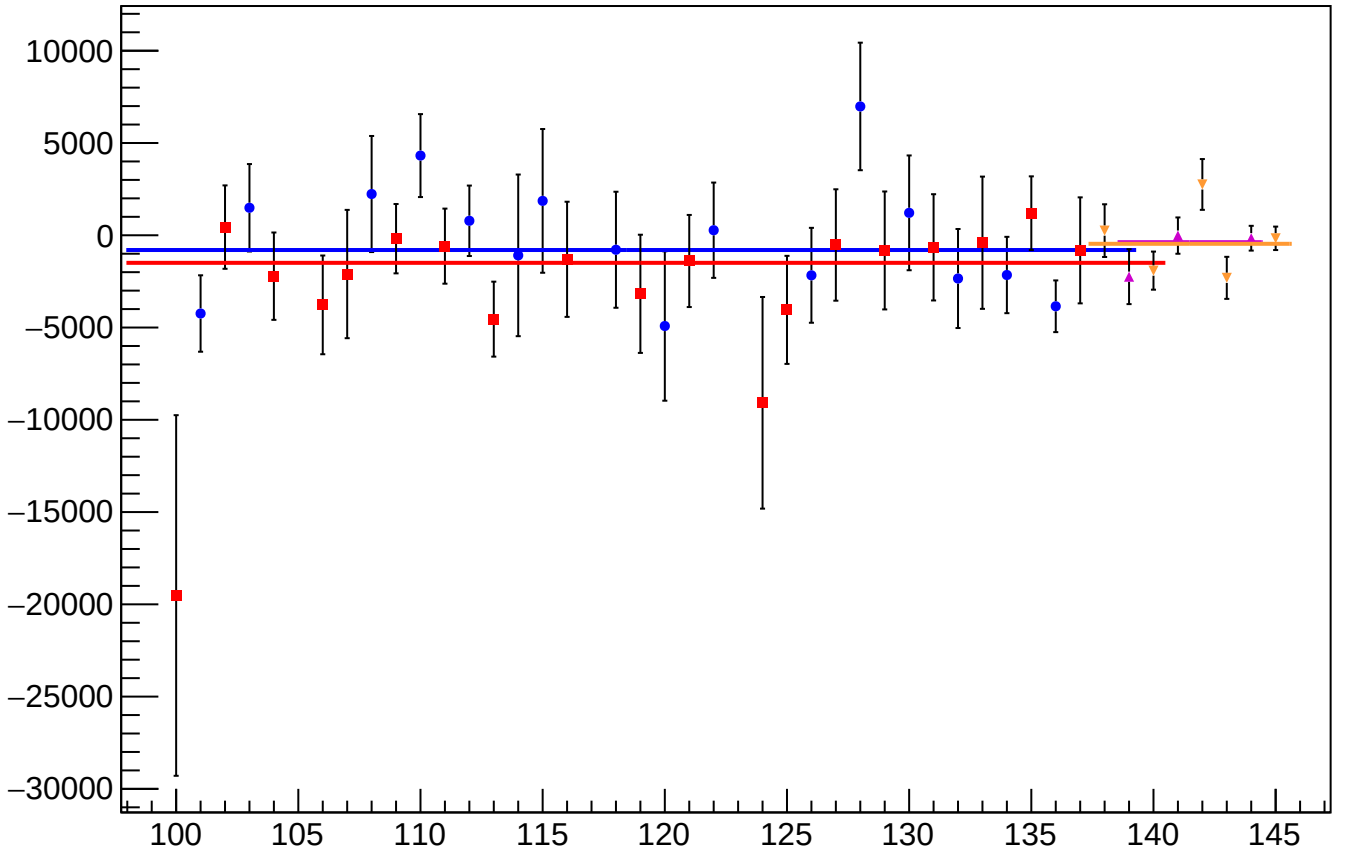
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 100.581+/-0.046 χ^2/NDF:341578.0/2

+ sign 110.285+/-0.025 χ^2/NDF: 1249594.6/20

All: 111.225+/-0.018 χ^2/NDF: 2680836.6/42

- sign 112.299+/-0.027 χ^2/NDF: 1428166.5/21



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

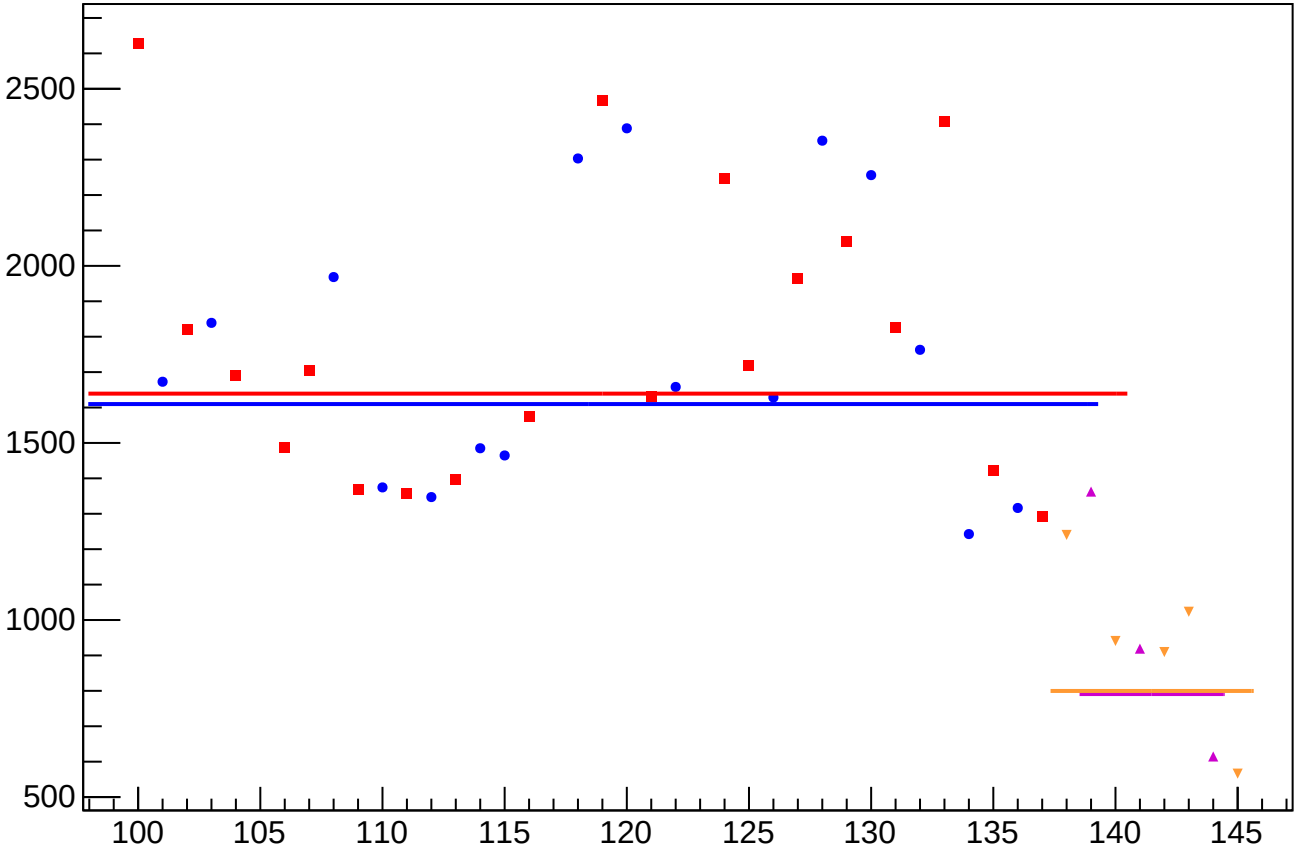
Left In: -374.361+/-519.535 χ^2/NDF:1.8/2

\+ sign -575.760+/-357.128 χ^2/NDF: 34.2/20

All: -695.178+/-265.318 χ^2/NDF: 51.1/42

\- sign -842.276+/-396.363 χ^2/NDF: 16.7/21

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

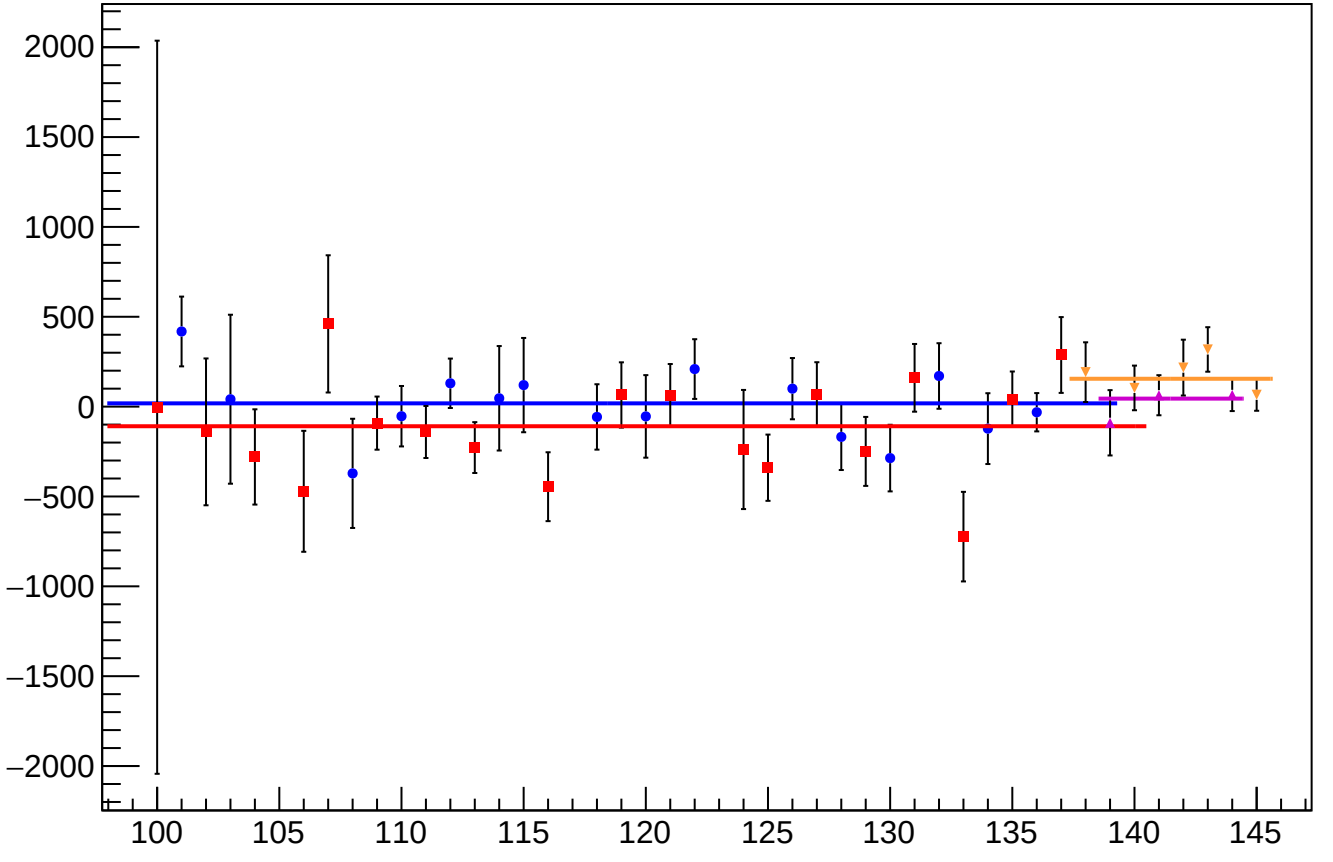
Left In: 790.938+/-0.367 χ^2/NDF:467518.3/2

+ sign 1071.953+/-0.253 χ^2/NDF: 3503229.0/20

All: 1104.903+/-0.188 χ^2/NDF: 6757518.9/42

- sign 1145.490+/-0.280 χ^2/NDF: 3216294.4/21

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

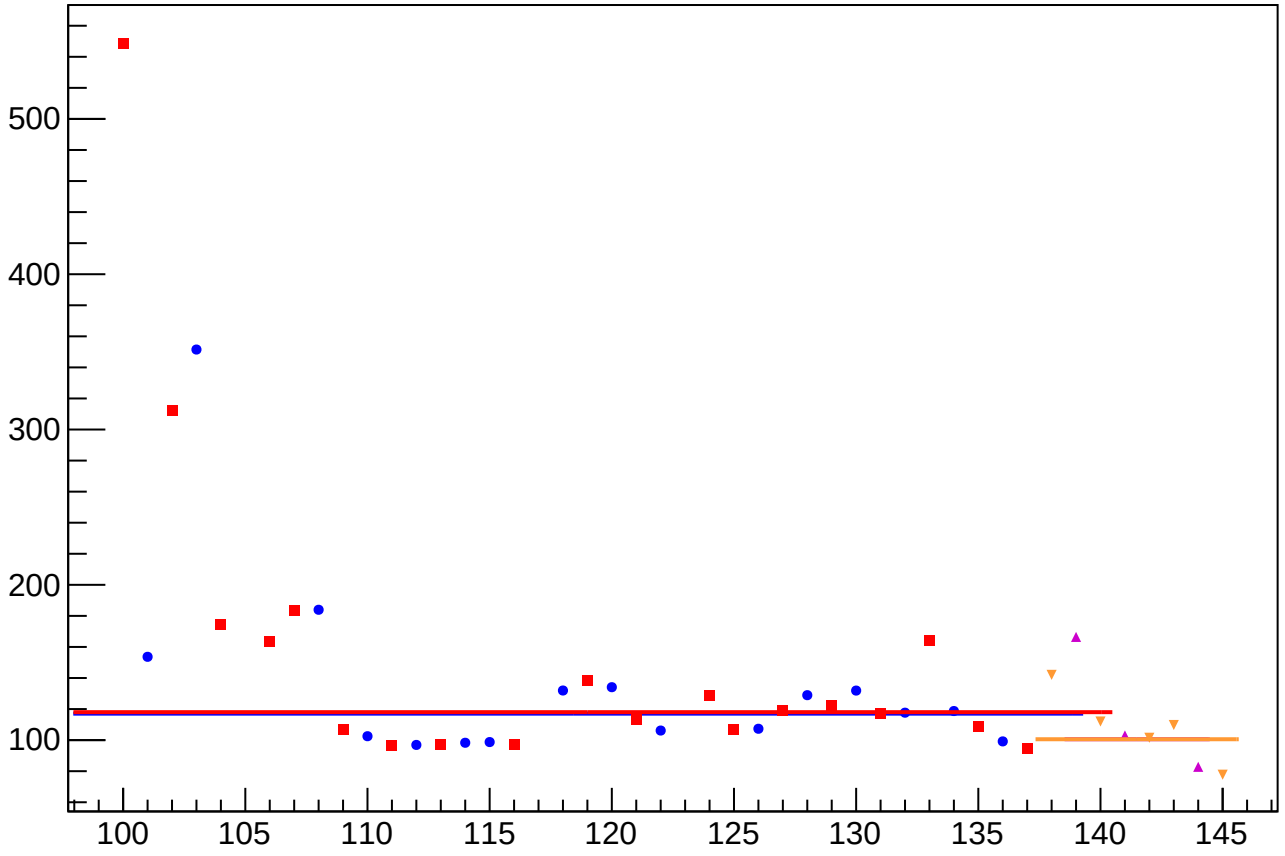
Left In: 44.547+/-65.372 χ^2/NDF:0.6/2

+ sign 74.418+/-35.079 χ^2/NDF: 20.7/20

All: 12.430+/-25.626 χ^2/NDF: 57.1/42

- sign -58.506+/-37.525 χ^2/NDF: 29.7/21

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

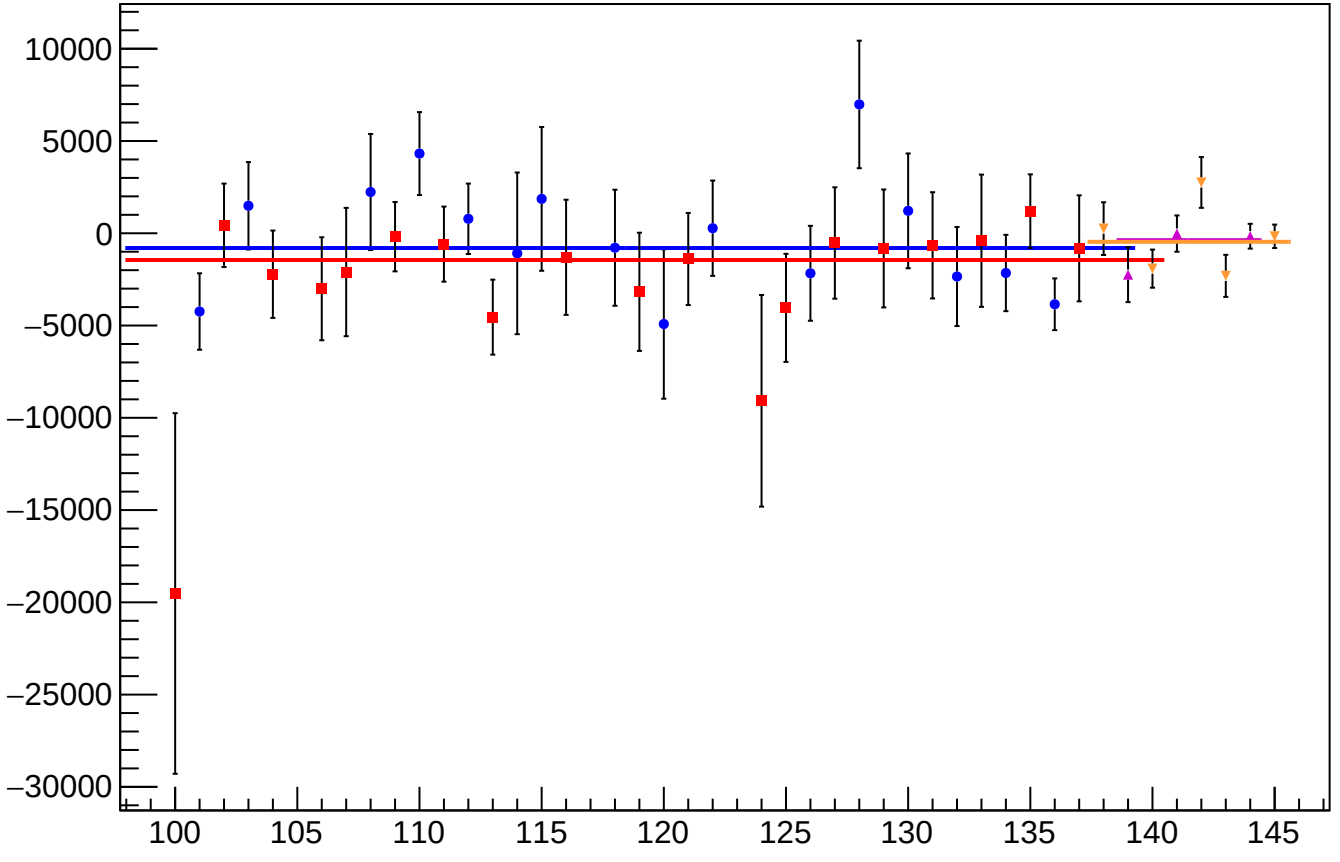
Left In: 100.581+/-0.046 χ^2/NDF:341578.0/2

+ sign 110.285+/-0.025 χ^2/NDF: 1249596.6/20

All: 111.208+/-0.018 χ^2/NDF: 2675966.4/42

- sign 112.264+/-0.027 χ^2/NDF: 1423401.1/21

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

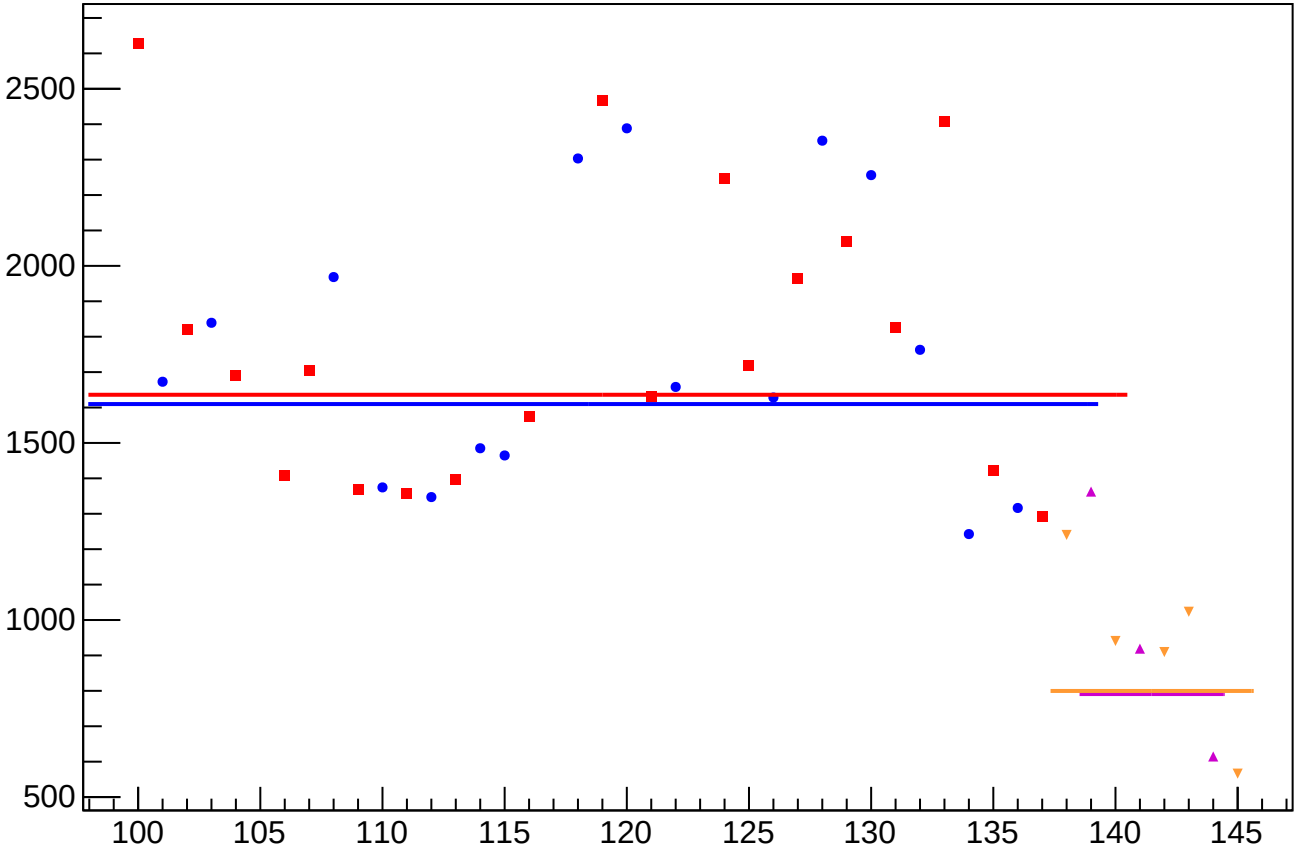
Left In: -374.368+/-519.535 χ^2/NDF:1.8/2

+ sign -575.747+/-357.129 χ^2/NDF: 34.2/20

All: -686.034+/-265.427 χ^2/NDF: 50.4/42

- sign -822.133+/-396.726 χ^2/NDF: 16.1/21

asym_sam3_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

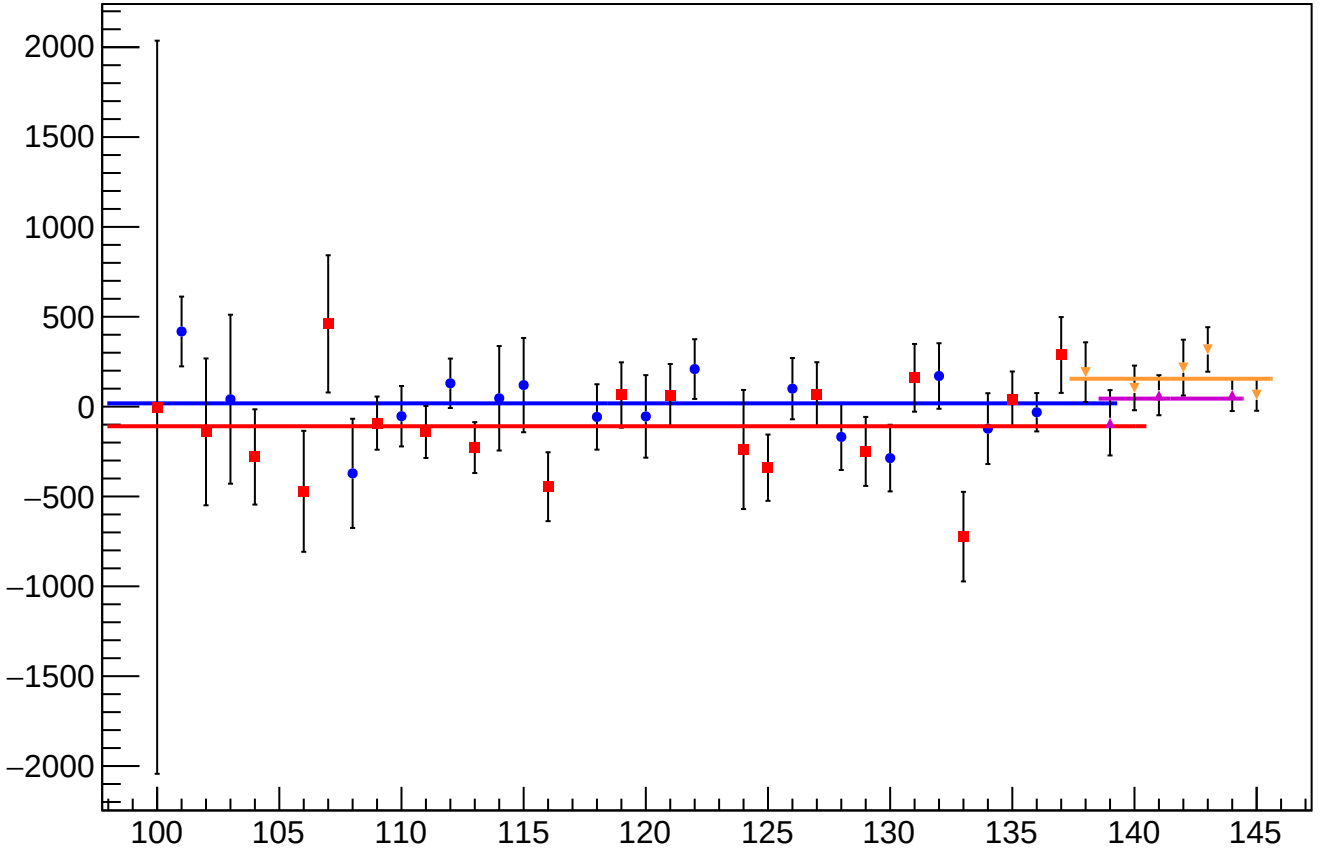
Left In: 790.938+/-0.367 χ^2/NDF:467518.9/2

+ sign 1071.953+/-0.253 χ^2/NDF: 3503291.3/20

All: 1103.868+/-0.188 χ^2/NDF: 6740494.8/42

- sign 1143.253+/-0.281 χ^2/NDF: 3201520.3/21

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

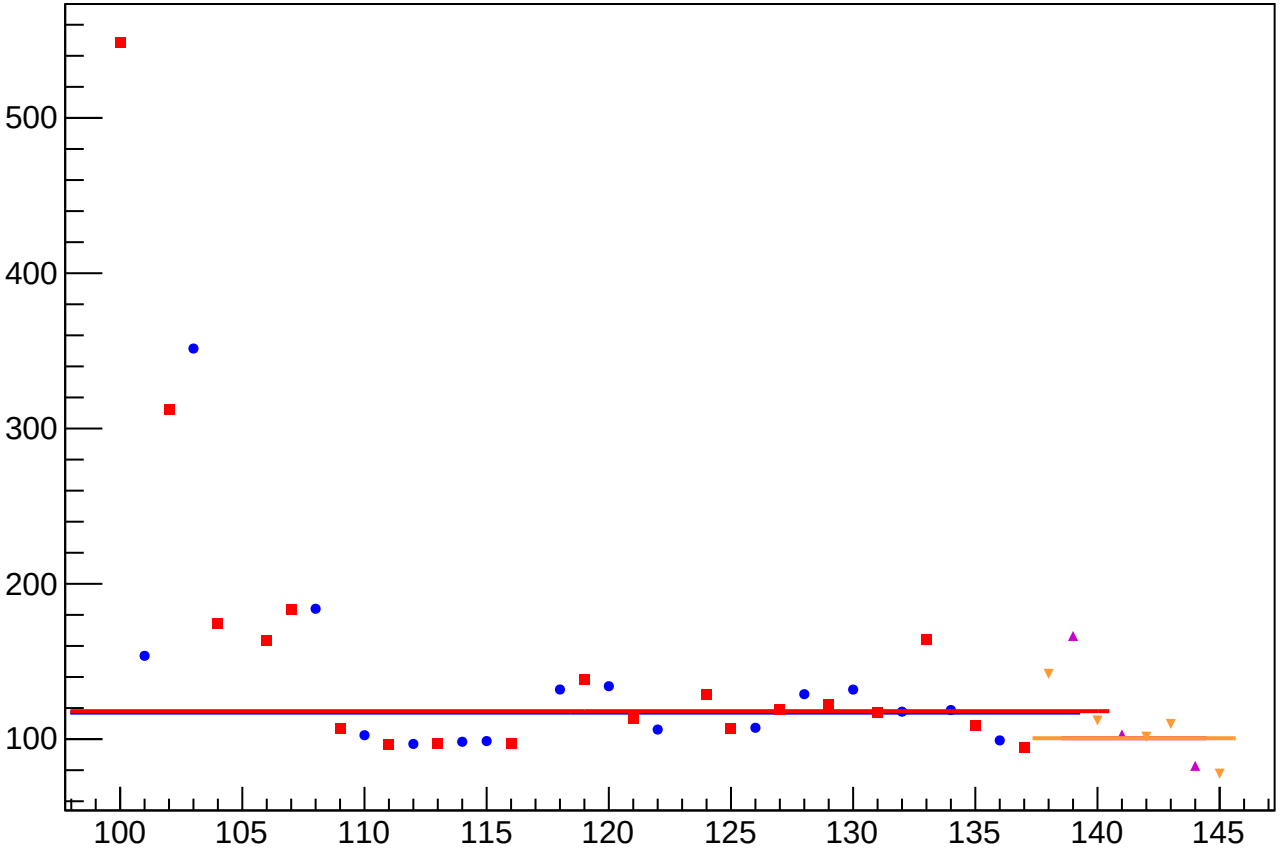
Left In: 44.547+/-65.372 χ^2/NDF:0.6/2

+ sign 74.418+/-35.079 χ^2/NDF: 20.7/20

All: 12.430+/-25.626 χ^2/NDF: 57.1/42

- sign -58.506+/-37.525 χ^2/NDF: 29.7/21

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

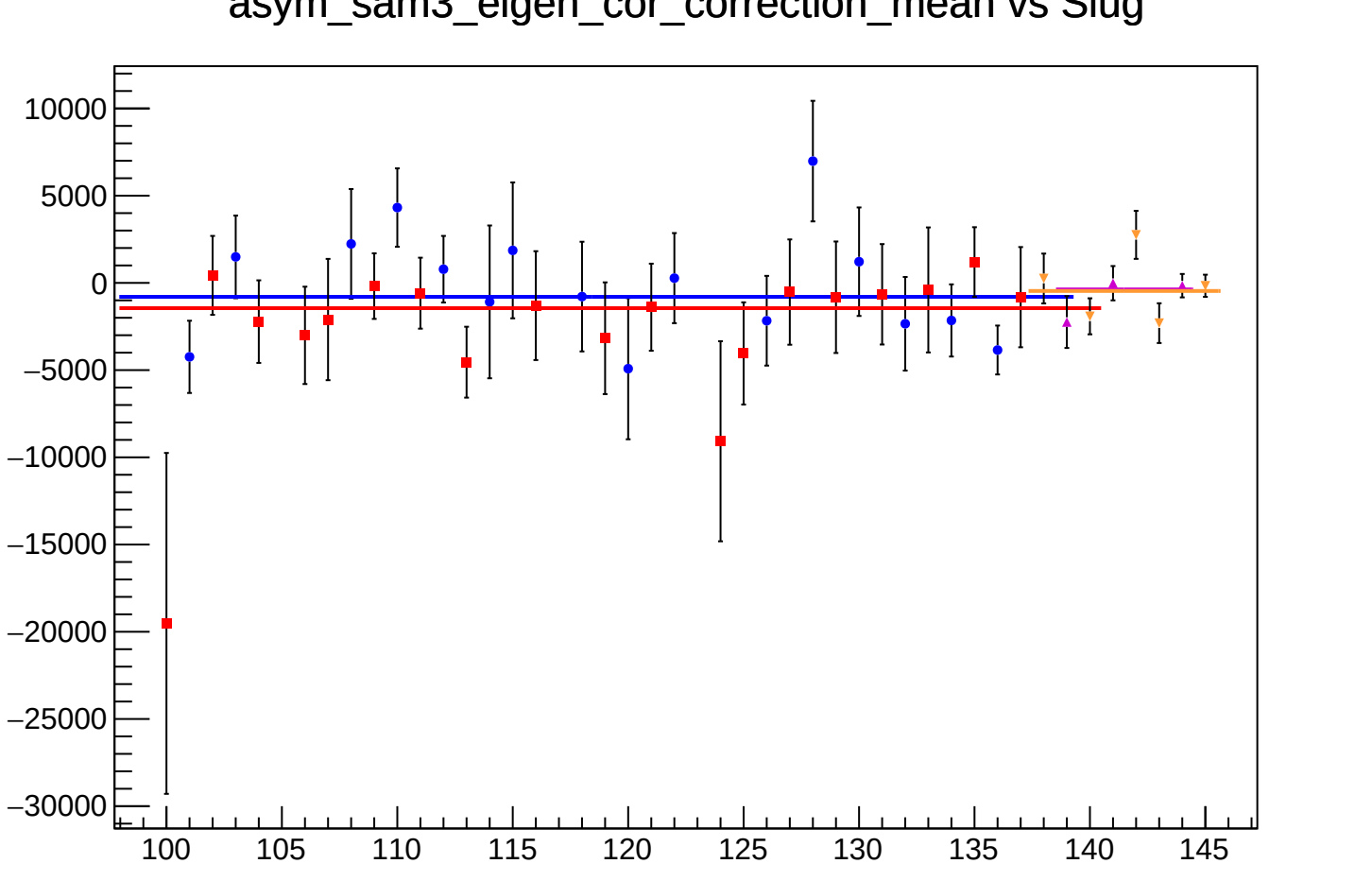
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 100.581+/-0.046 χ^2/NDF:341578.0/2

+ sign 110.285+/-0.025 χ^2/NDF: 1249596.6/20

All: 111.208+/-0.018 χ^2/NDF: 2675966.4/42

- sign 112.264+/-0.027 χ^2/NDF: 1423401.1/21



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

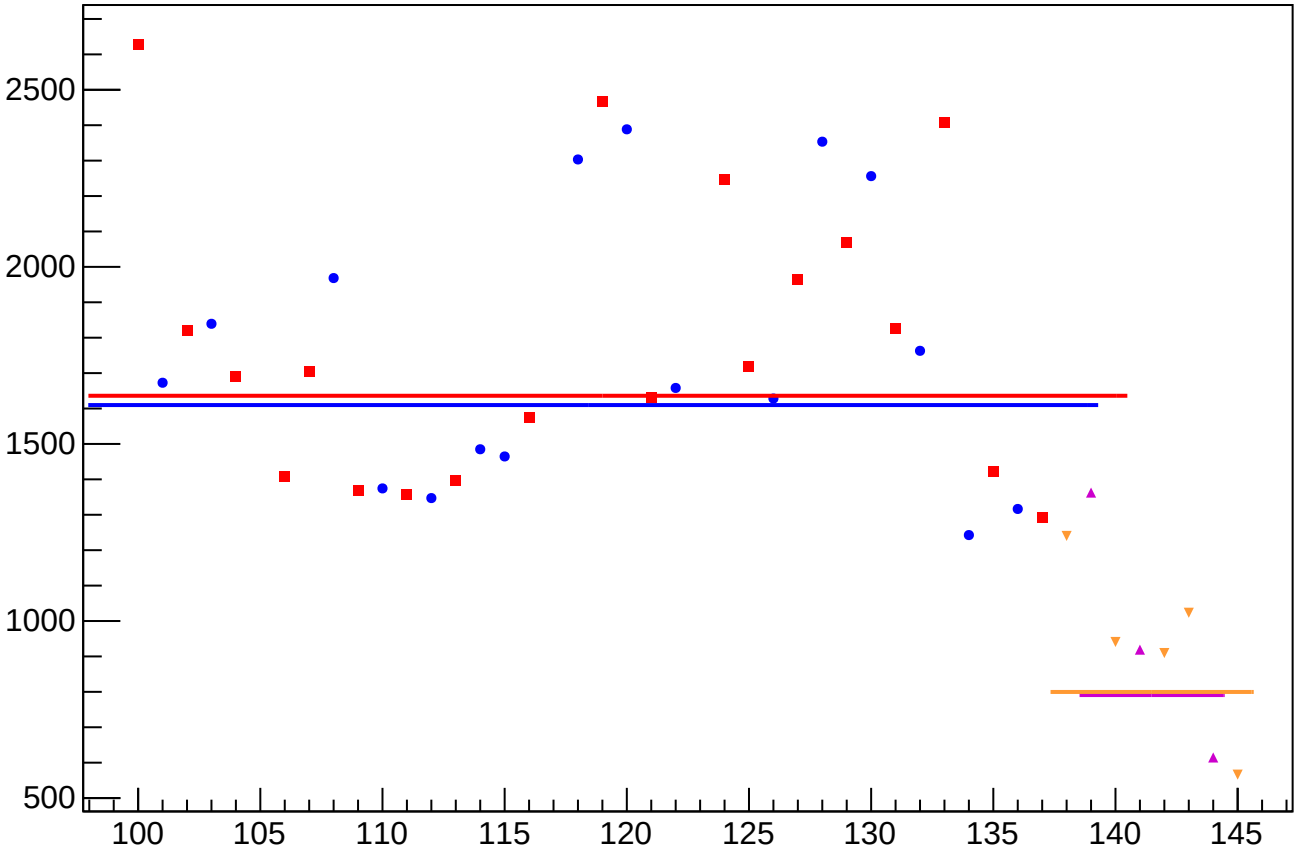
Left In: -374.368+/-519.535 χ^2/NDF:1.8/2

+ sign -575.747+/-357.129 χ^2/NDF: 34.2/20

All: -686.034+/-265.427 χ^2/NDF: 50.4/42

- sign -822.133+/-396.726 χ^2/NDF: 16.1/21

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

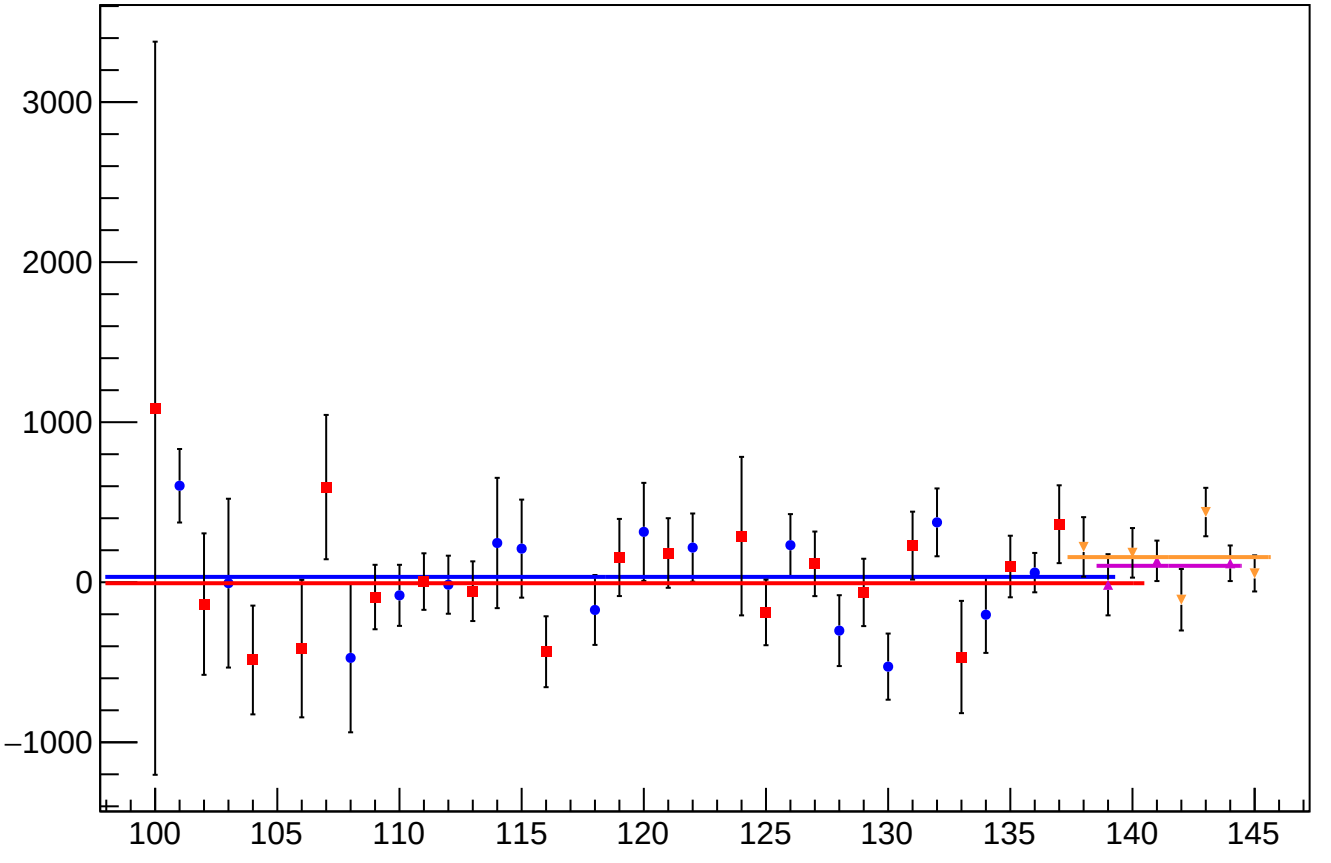
Left In: 790.938+/-0.367 χ^2/NDF:467518.9/2

+ sign 1071.953+/-0.253 χ^2/NDF: 3503291.3/20

All: 1103.868+/-0.188 χ^2/NDF: 6740494.8/42

- sign 1143.253+/-0.281 χ^2/NDF: 3201520.3/21

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

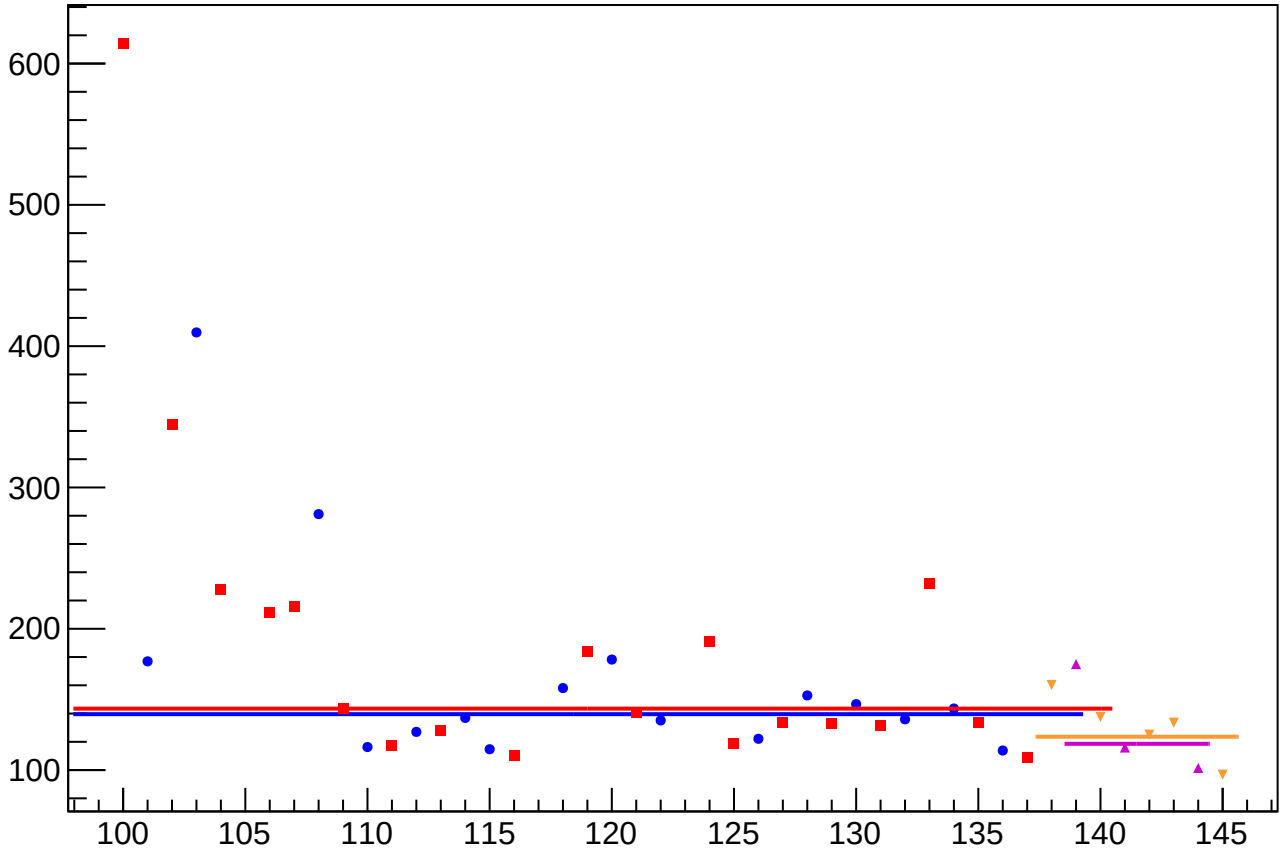
Left In: 102.671+/-76.526 χ^2/NDF:0.5/2

\+ sign 82.777+/-42.575 χ^2/NDF: 33.5/20

All: 58.884+/-31.004 χ^2/NDF: 53.3/42

\- sign 31.909+/-45.239 χ^2/NDF: 19.1/21

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

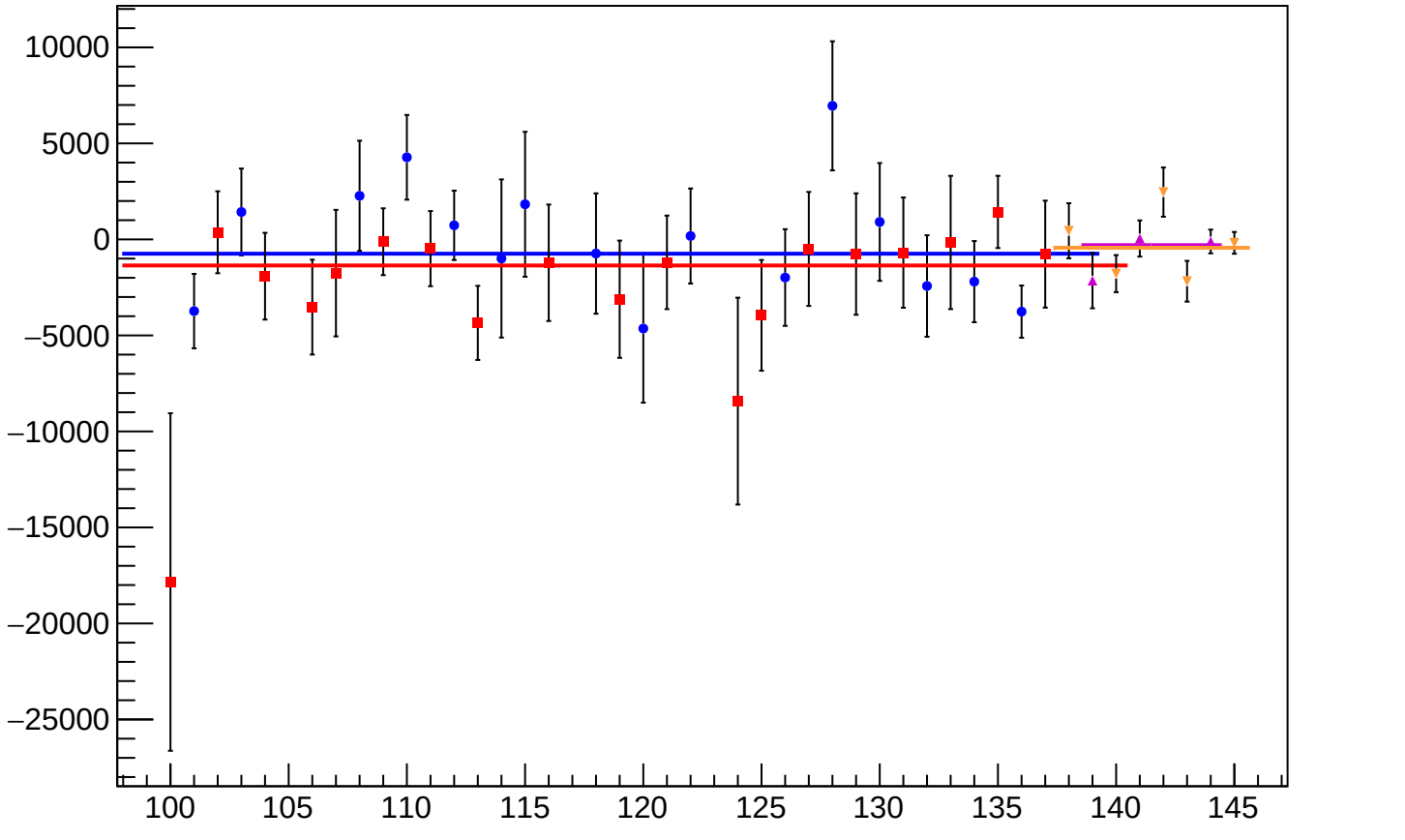
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 118.588+/-0.054 χ^2/NDF:222162.0/2

\+ sign 133.203+/-0.030 χ^2/NDF: 1260076.2/20

All: 133.944+/-0.022 χ^2/NDF: 2737844.9/42

\- sign 134.780+/-0.032 χ^2/NDF: 1476478.6/21



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

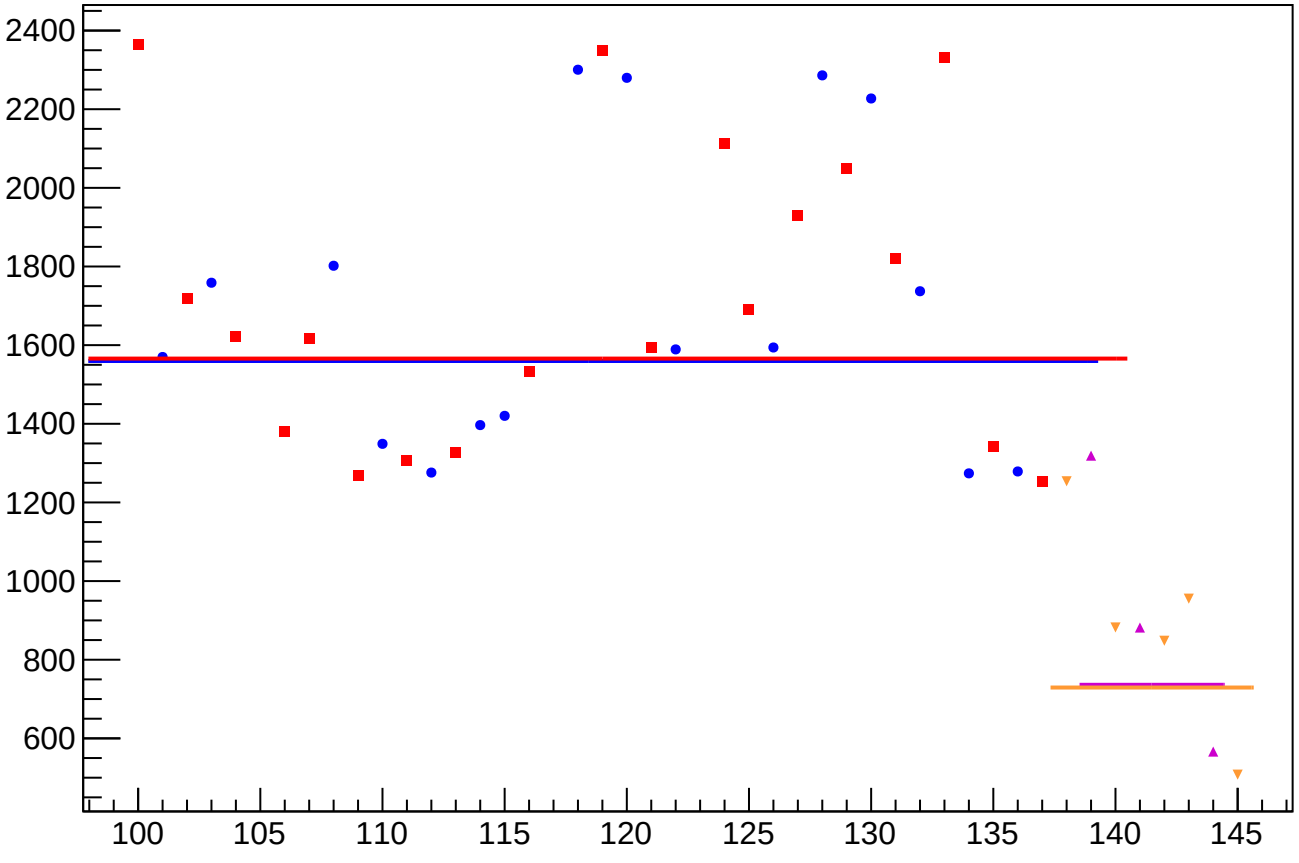
Left In: -298.949+/-486.388 χ^2/NDF:1.9/2

+ sign -531.957+/-333.475 χ^2/NDF: 34.0/20

All: -620.085+/-248.965 χ^2/NDF: 51.5/42

- sign -731.059+/-374.214 χ^2/NDF: 17.3/21

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

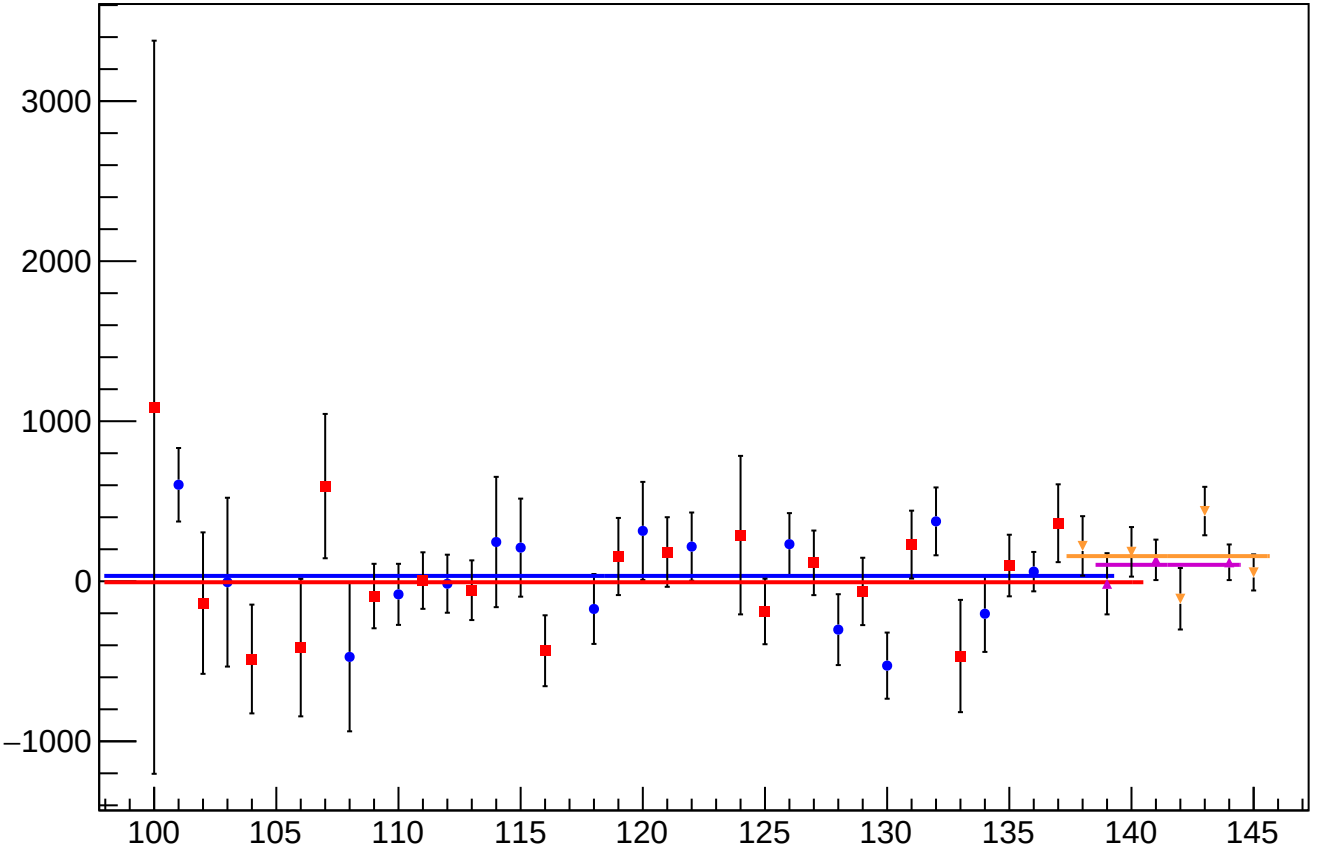
Left In: 736.229+/-0.344 χ^2/NDF:525590.0/2

+ sign 989.446+/-0.236 χ^2/NDF: 4003782.2/20

All: 1027.204+/-0.176 χ^2/NDF: 7525304.3/42

- sign 1074.751+/-0.265 χ^2/NDF: 3463594.2/21

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

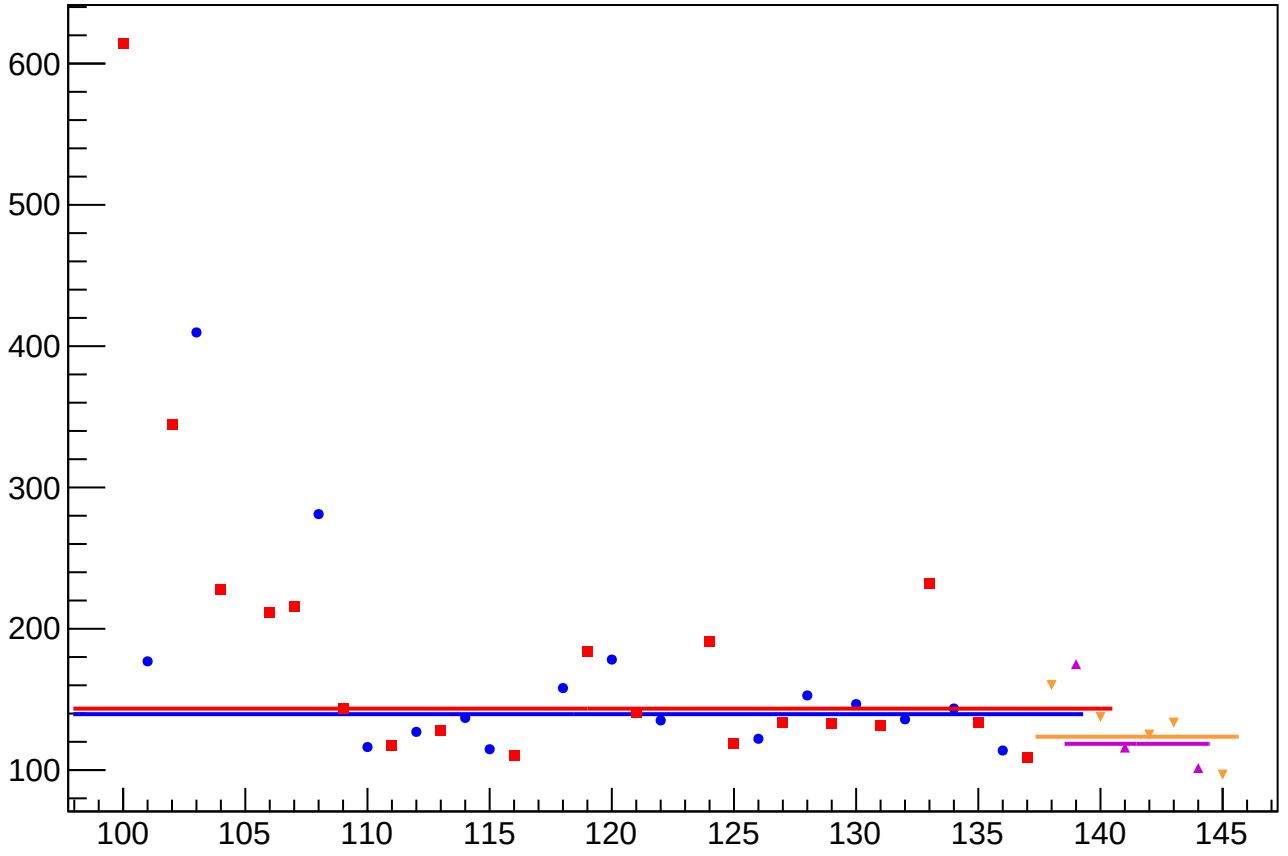
Left In: 102.670+/-76.526 χ^2/NDF:0.5/2

+ sign 82.775+/-42.575 χ^2/NDF: 33.5/20

All: 58.885+/-31.004 χ^2/NDF: 53.3/42

- sign 31.911+/-45.240 χ^2/NDF: 19.1/21

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

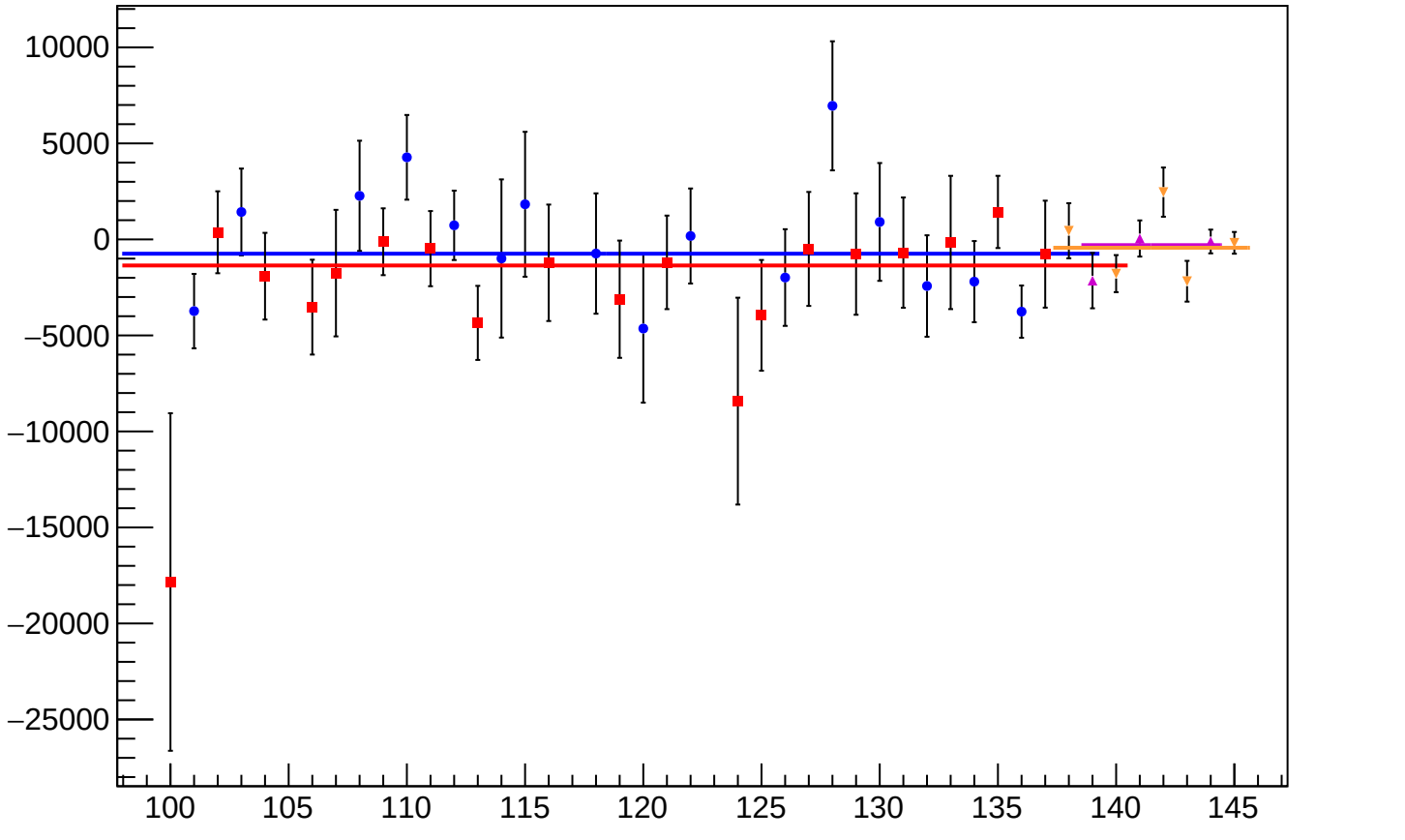
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 118.589+/-0.054 χ^2/NDF:222160.1/2

+ sign 133.203+/-0.030 χ^2/NDF: 1260080.0/20

All: 133.944+/-0.022 χ^2/NDF: 2737856.1/42

- sign 134.781+/-0.032 χ^2/NDF: 1476486.0/21



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

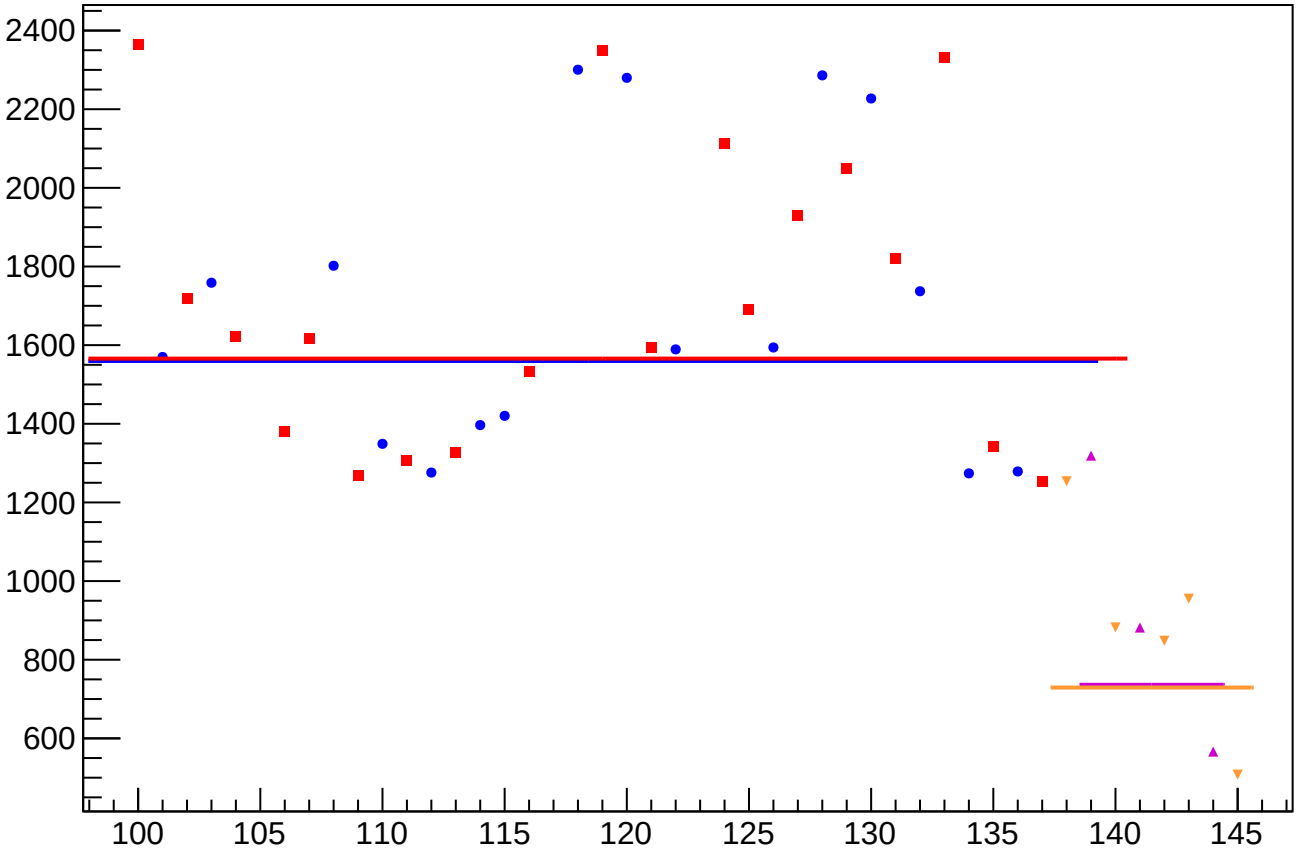
Left In: -298.949+/-486.388 χ^2/NDF:1.9/2

+ sign -531.959+/-333.475 χ^2/NDF: 34.0/20

All: -620.086+/-248.964 χ^2/NDF: 51.5/42

- sign -731.059+/-374.214 χ^2/NDF: 17.3/21

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

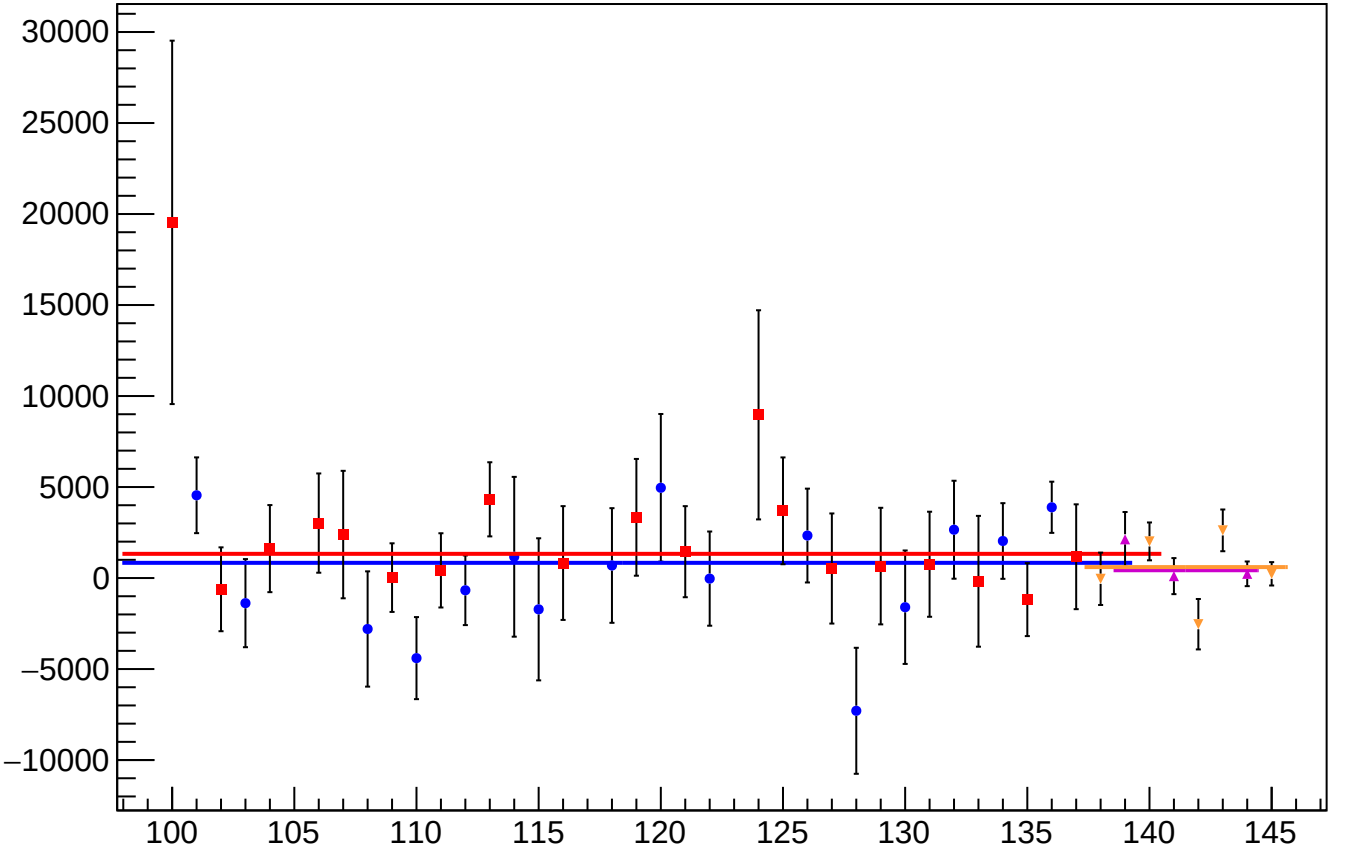
Left In: 736.228+/-0.344 χ^2/NDF:525590.7/2

+ sign 989.445+/-0.236 χ^2/NDF: 4003782.7/20

All: 1027.203+/-0.176 χ^2/NDF: 7525298.4/42

- sign 1074.750+/-0.265 χ^2/NDF: 3463587.3/21

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

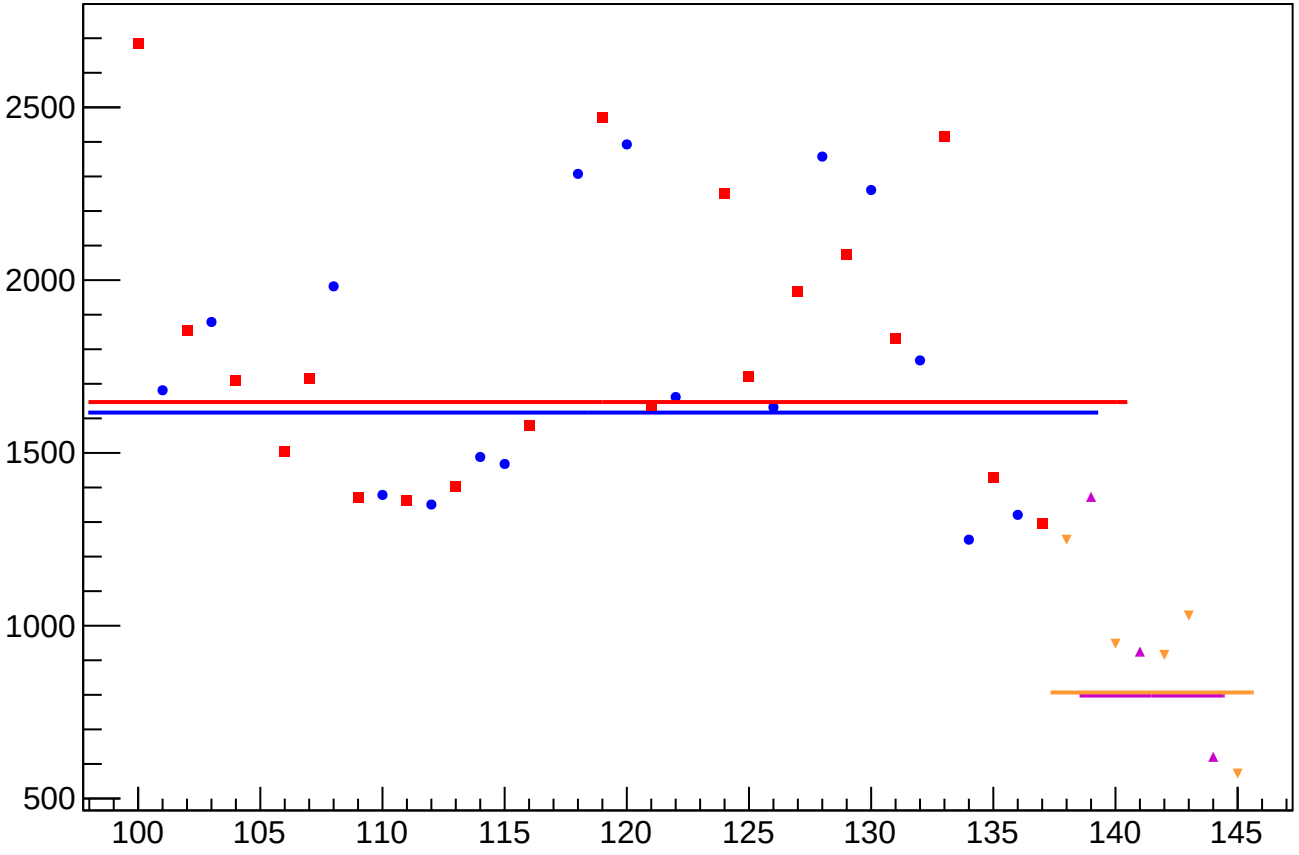
Left In: 428.776+/-523.948 χ^2/NDF:1.5/2

+ sign 680.358+/-359.703 χ^2/NDF: 35.6/20

All: 736.917+/-267.231 χ^2/NDF: 50.5/42

- sign 806.587+/-399.222 χ^2/NDF: 14.8/21

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

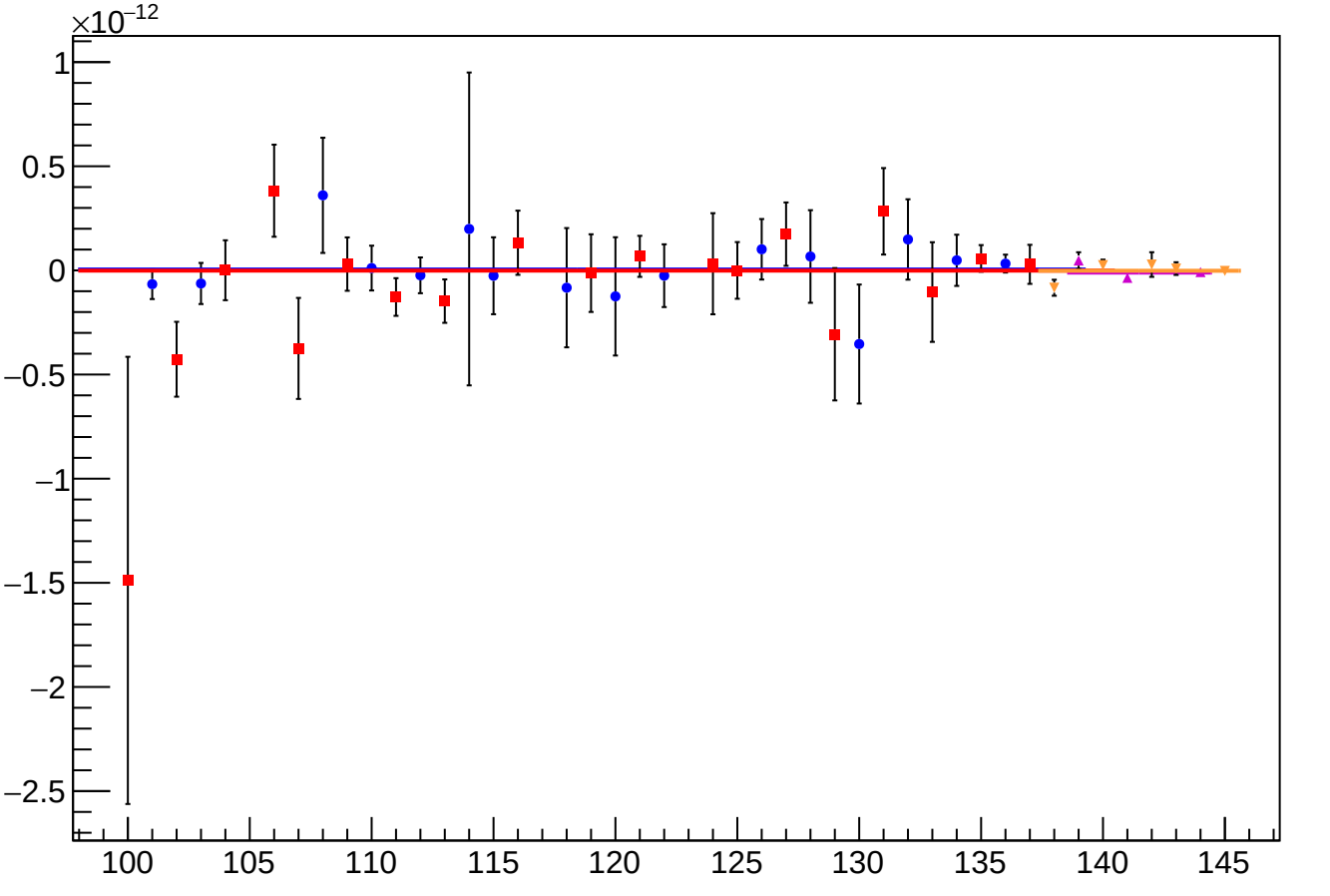
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 797.946+/-0.370 χ^2/NDF:464444.1/2

+ sign 1080.519+/-0.254 χ^2/NDF: 3472326.8/20

All: 1113.517+/-0.189 χ^2/NDF: 6702235.2/42

- sign 1154.164+/-0.282 χ^2/NDF: 3192344.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/4

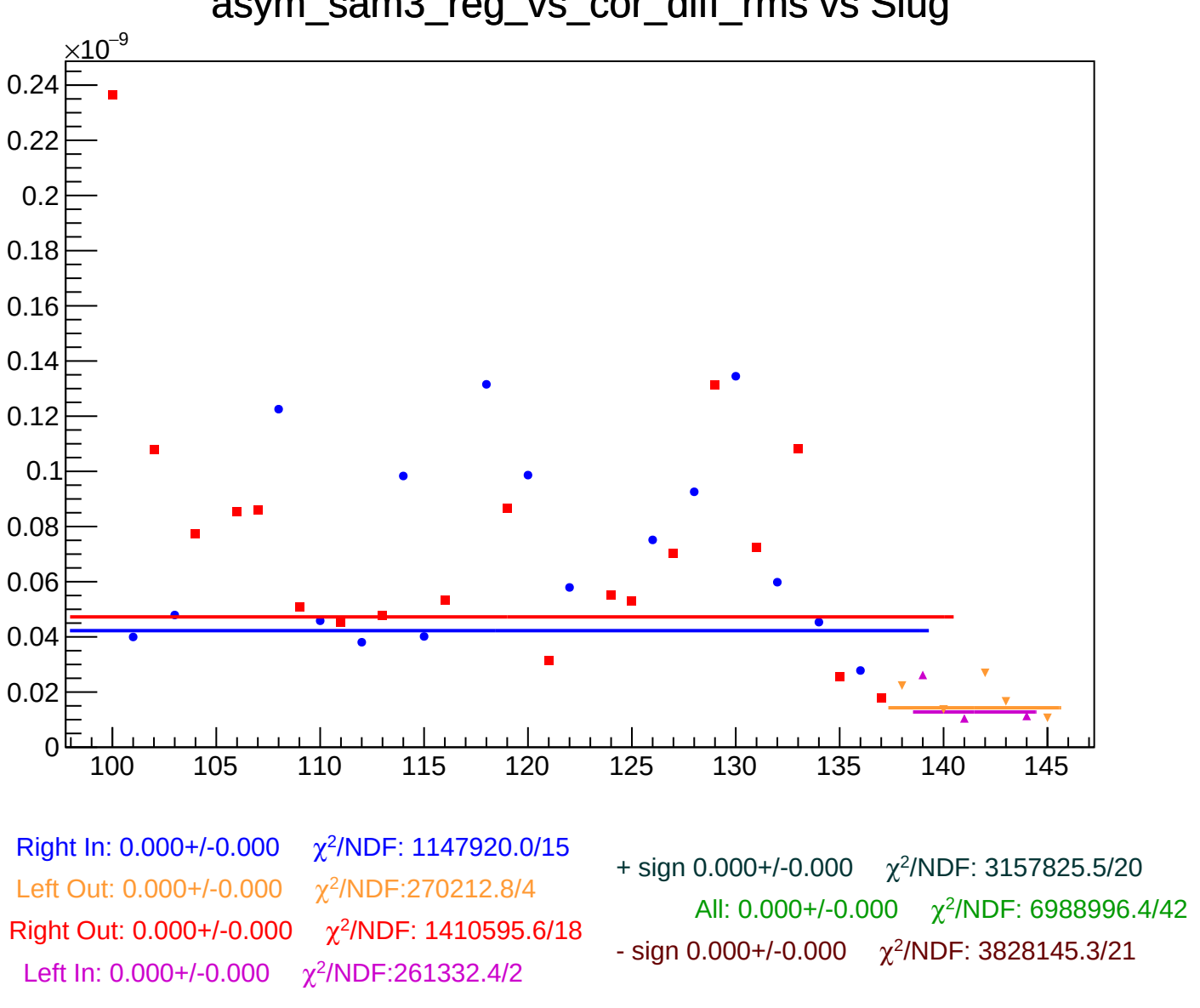
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/2

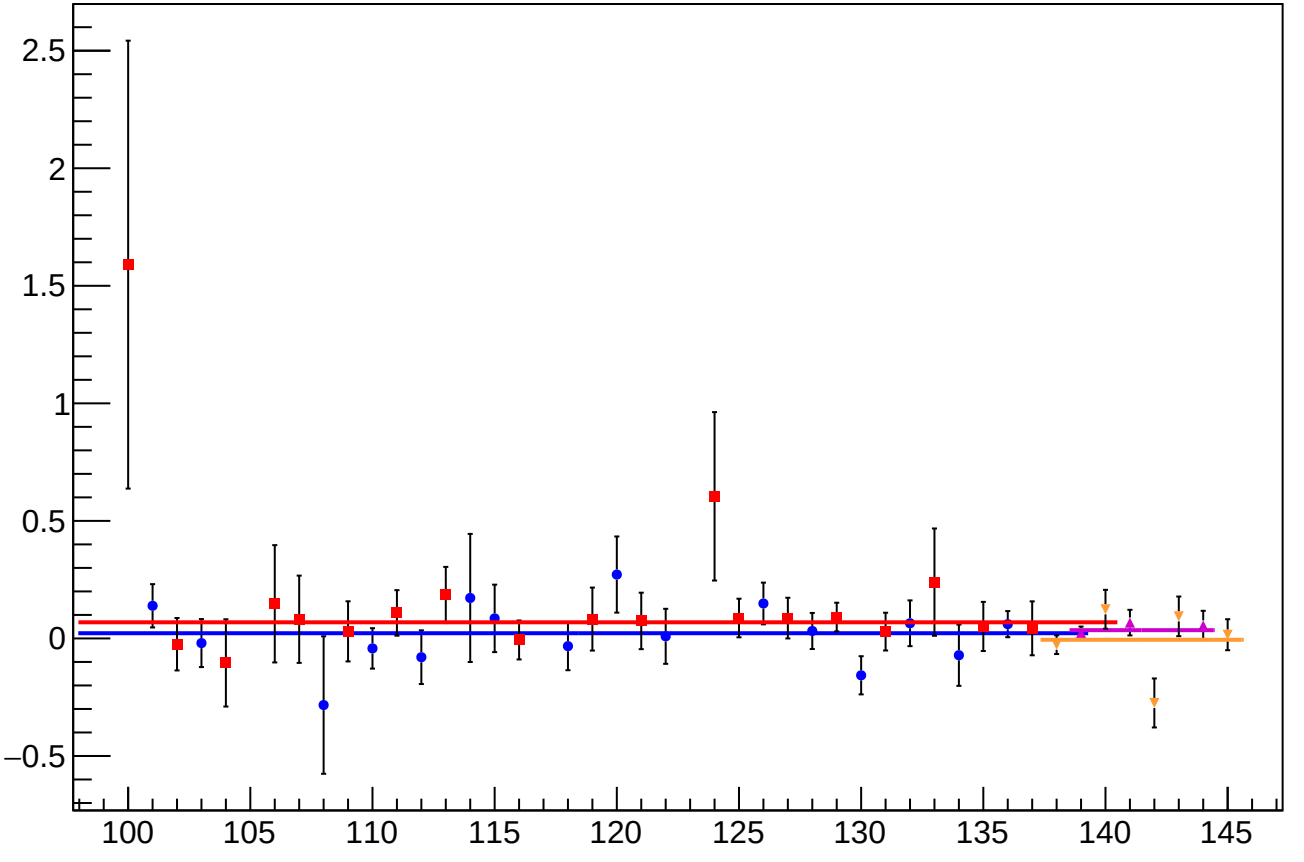
+ sign -0.000+/-0.000 χ^2/NDF: 12.8/20

All: -0.000+/-0.000 χ^2/NDF: 39.8/42

- sign -0.000+/-0.000 χ^2/NDF: 26.8/21


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
105
110
115
120
125
130
135
140
145
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:261332.4/2
+ sign 0.000+/-0.000 χ²/NDF: 3157825.5/20
All: 0.000+/-0.000 χ²/NDF: 6988996.4/42
- sign 0.000+/-0.000 χ²/NDF: 3828145.3/21

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

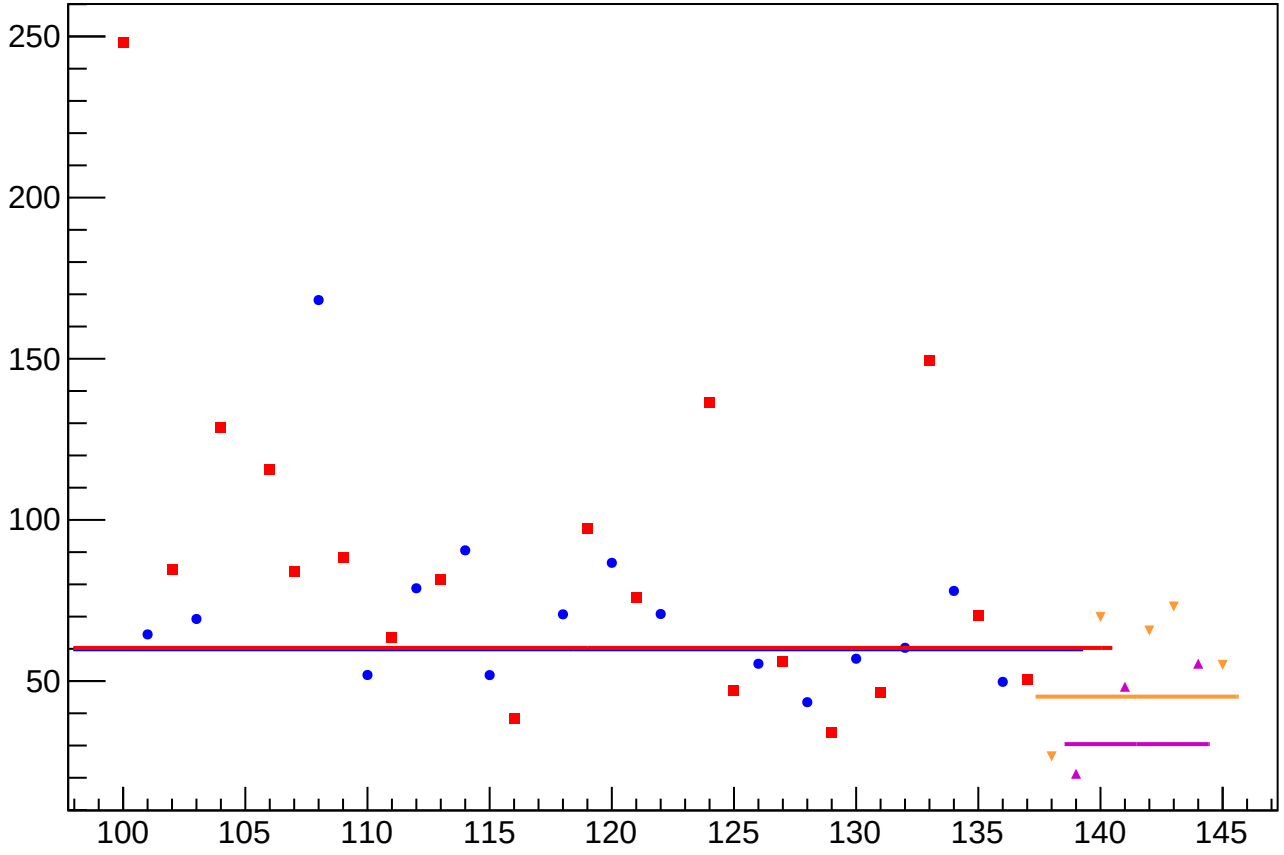
Left In: 0.035+/-0.023 χ^2/NDF:0.6/2

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/20

All: 0.032+/-0.012 χ^2/NDF: 40.7/42

- sign 0.050+/-0.017 χ^2/NDF: 11.2/21

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

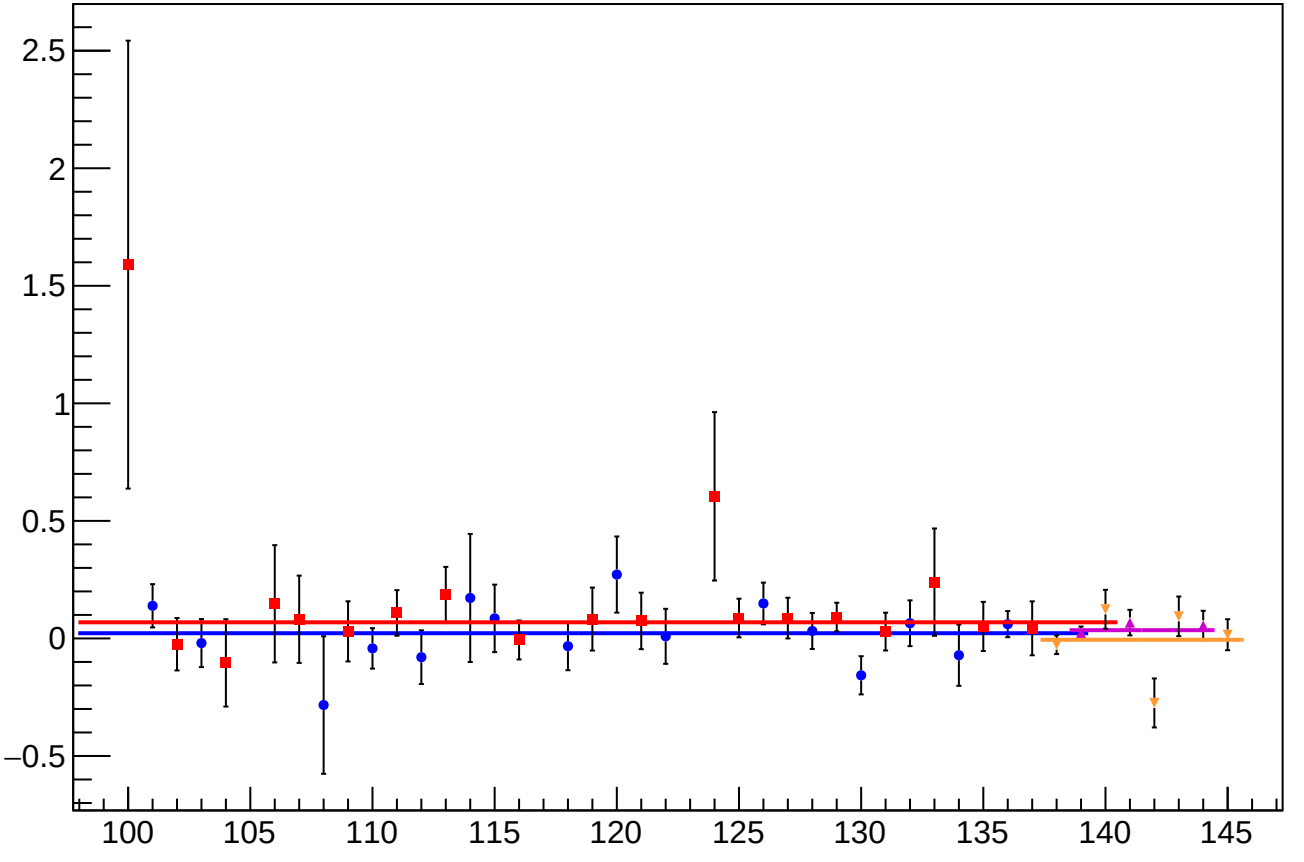
Left In: 30.443+/-0.016 χ^2/NDF:765852.6/2

+ sign 53.550+/-0.013 χ^2/NDF: 1956524.5/20

All: 48.143+/-0.009 χ^2/NDF: 6552898.4/42

- sign 43.714+/-0.012 χ^2/NDF: 4289879.8/21

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

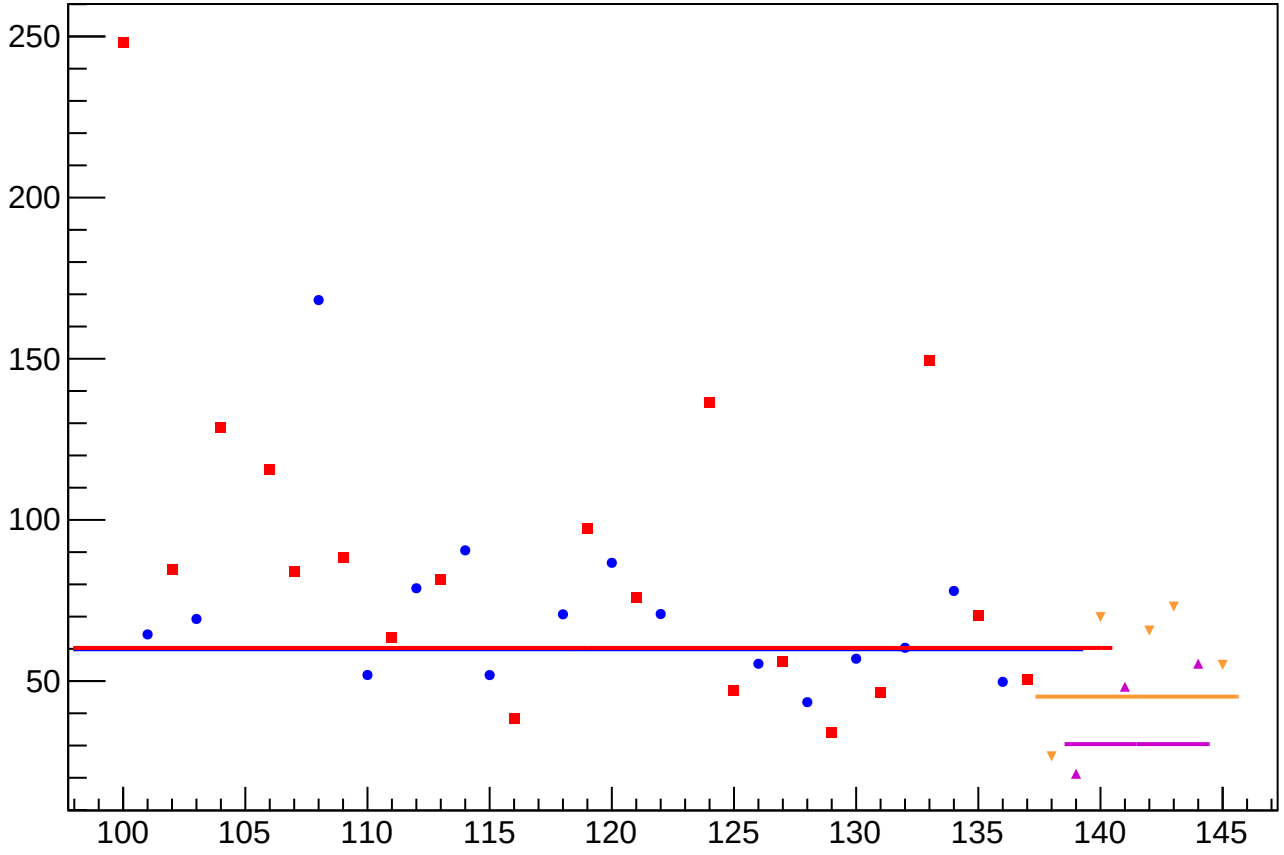
Left In: 0.035+/-0.023 χ^2/NDF:0.6/2

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/20

All: 0.032+/-0.012 χ^2/NDF: 40.7/42

- sign 0.050+/-0.017 χ^2/NDF: 11.2/21

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

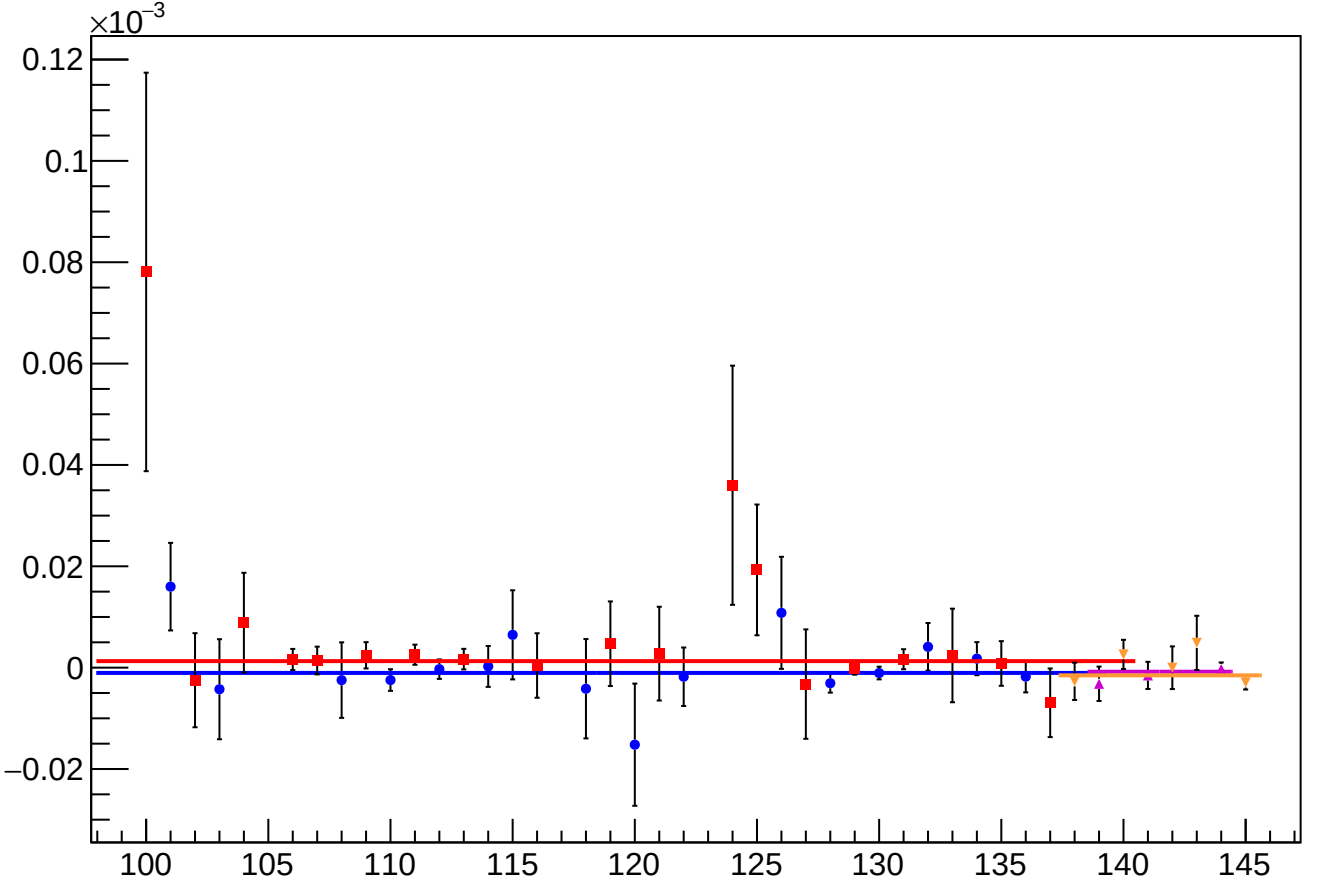
Left In: 30.443+/-0.016 χ^2/NDF:765852.6/2

+ sign 53.550+/-0.013 χ^2/NDF: 1956524.5/20

All: 48.143+/-0.009 χ^2/NDF: 6552898.4/42

- sign 43.714+/-0.012 χ^2/NDF: 4289879.8/21

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

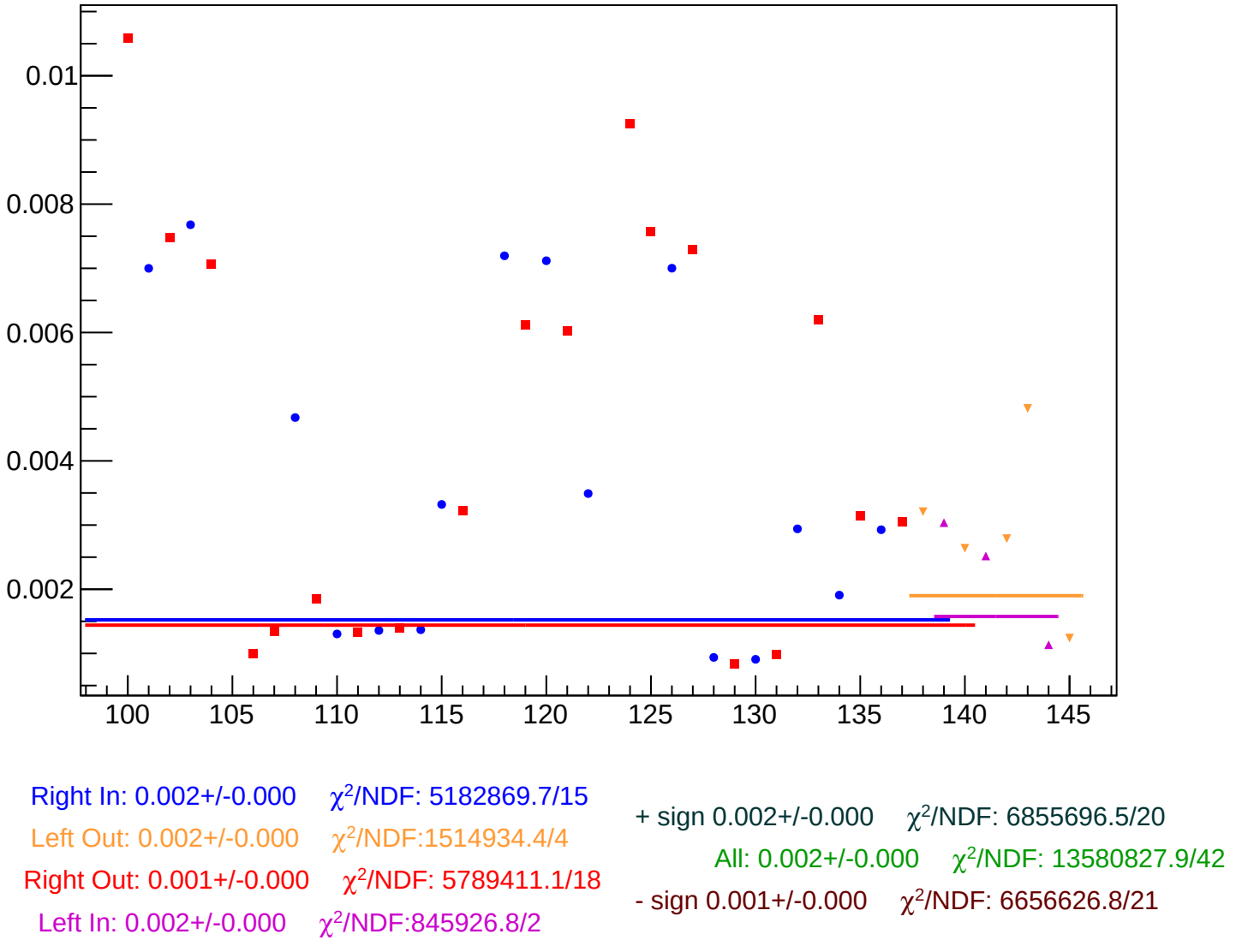
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/2

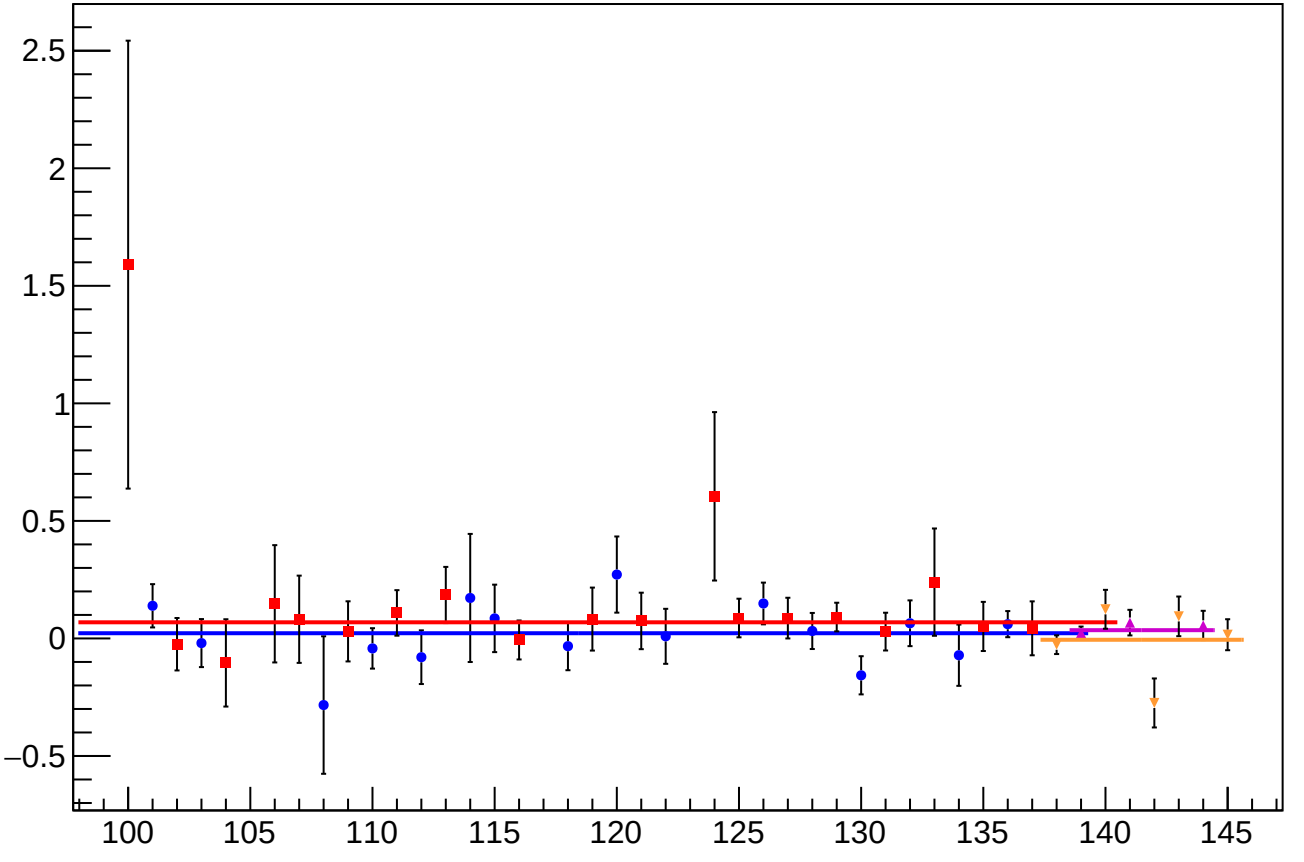
+ sign -0.000+/-0.000 χ^2/NDF: 16.1/20

All: -0.000+/-0.000 χ^2/NDF: 36.7/42

- sign 0.000+/-0.000 χ^2/NDF: 15.7/21


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.000 χ²/NDF: 5182869.7/15
Left Out: 0.002+/-0.000 χ²/NDF:1514934.4/4
Right Out: 0.001+/-0.000 χ²/NDF: 5789411.1/18
Left In: 0.002+/-0.000 χ²/NDF:845926.8/2
+ sign 0.002+/-0.000 χ²/NDF: 6855696.5/20
All: 0.002+/-0.000 χ²/NDF: 13580827.9/42
- sign 0.001+/-0.000 χ²/NDF: 6656626.8/21

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

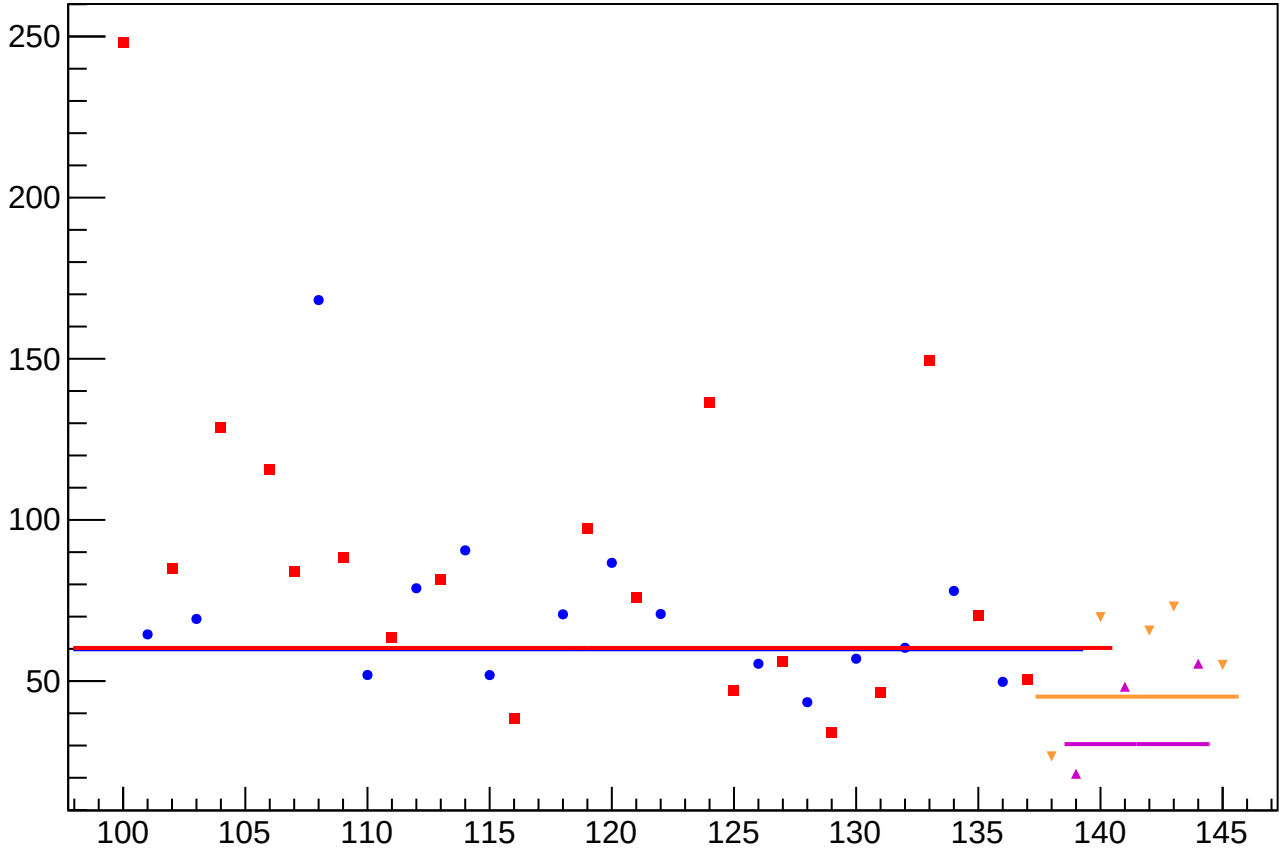
Left In: 0.035+/-0.023 χ^2/NDF:0.6/2

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/20

All: 0.032+/-0.012 χ^2/NDF: 40.7/42

- sign 0.050+/-0.017 χ^2/NDF: 11.2/21

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

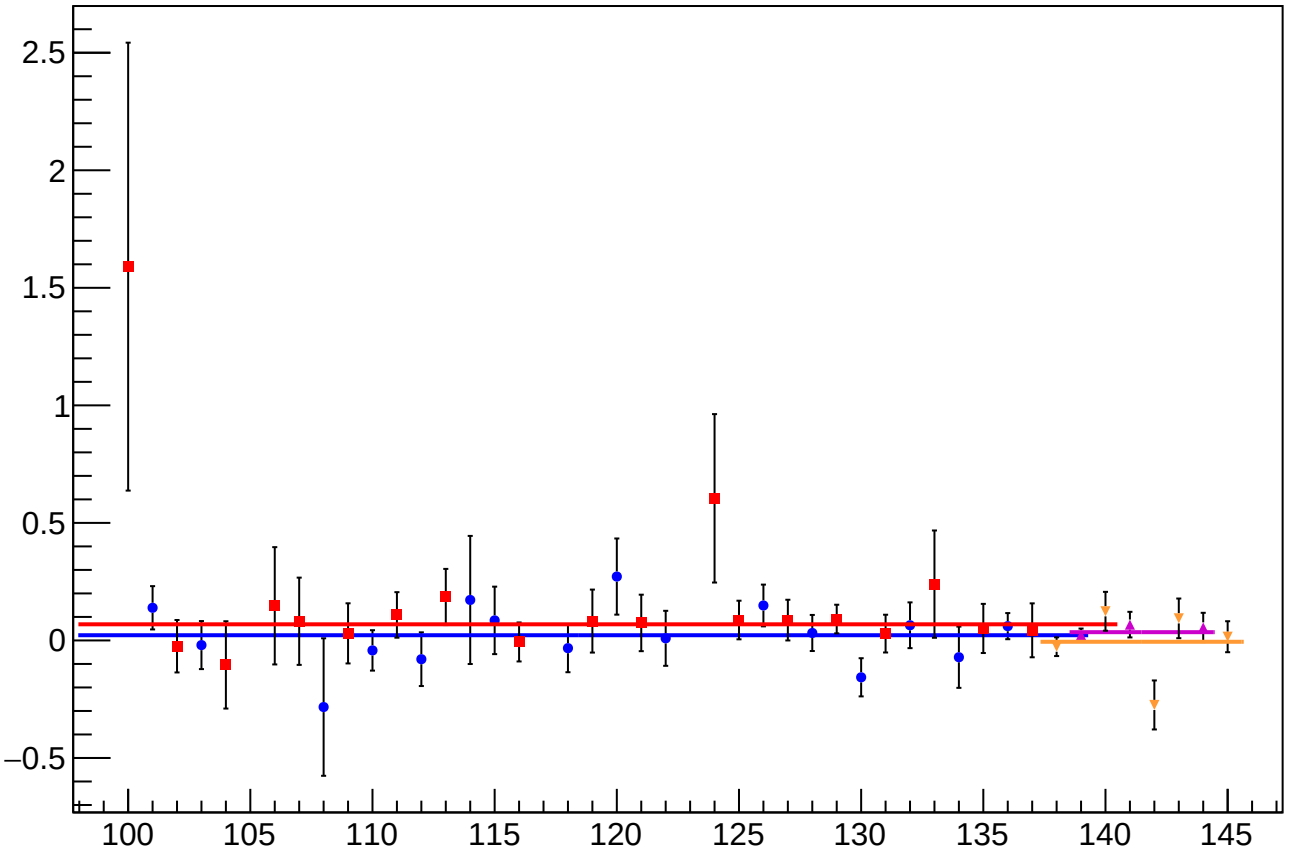
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

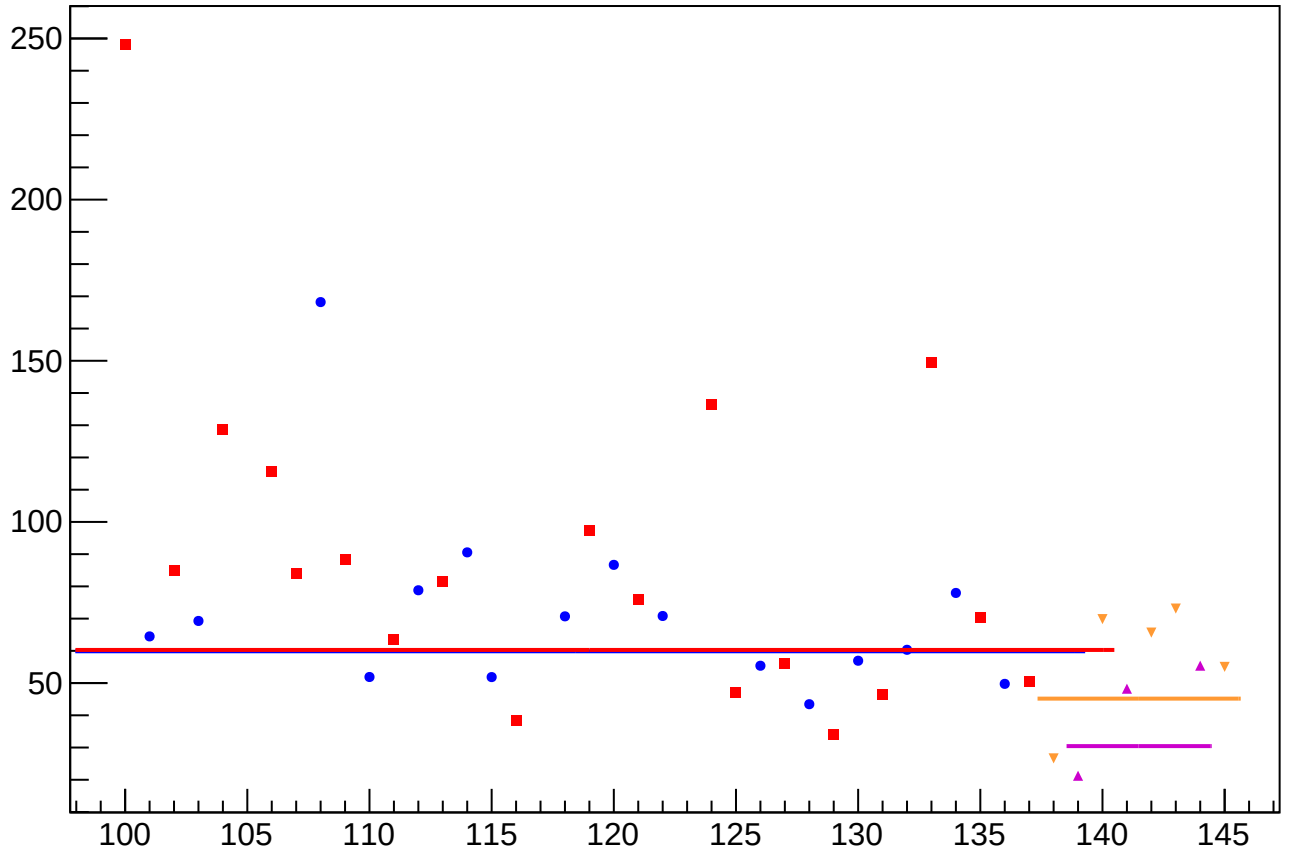
Left In: 30.441+/-0.016 χ^2/NDF:765951.7/2

+ sign 53.549+/-0.013 χ^2/NDF: 1956880.1/20

All: 48.142+/-0.009 χ^2/NDF: 6553677.9/42

- sign 43.713+/-0.012 χ^2/NDF: 4290265.4/21


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2.5
2
1.5
1
0.5
0
−0.5
100
105
110
115
120
125
130
135
140
145
Right In: 0.022+/-0.025 χ²/NDF: 15.5/15
Left Out: -0.006+/-0.028 χ²/NDF:10.9/4
Right Out: 0.069+/-0.025 χ²/NDF: 9.6/18
Left In: 0.035+/-0.023 χ²/NDF:0.6/2
+ sign 0.010+/-0.019 χ²/NDF: 26.9/20
All: 0.032+/-0.012 χ²/NDF: 40.7/42
- sign 0.050+/-0.017 χ²/NDF: 11.2/21



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 45.176+/-0.020 χ^2/NDF:952886.8/4

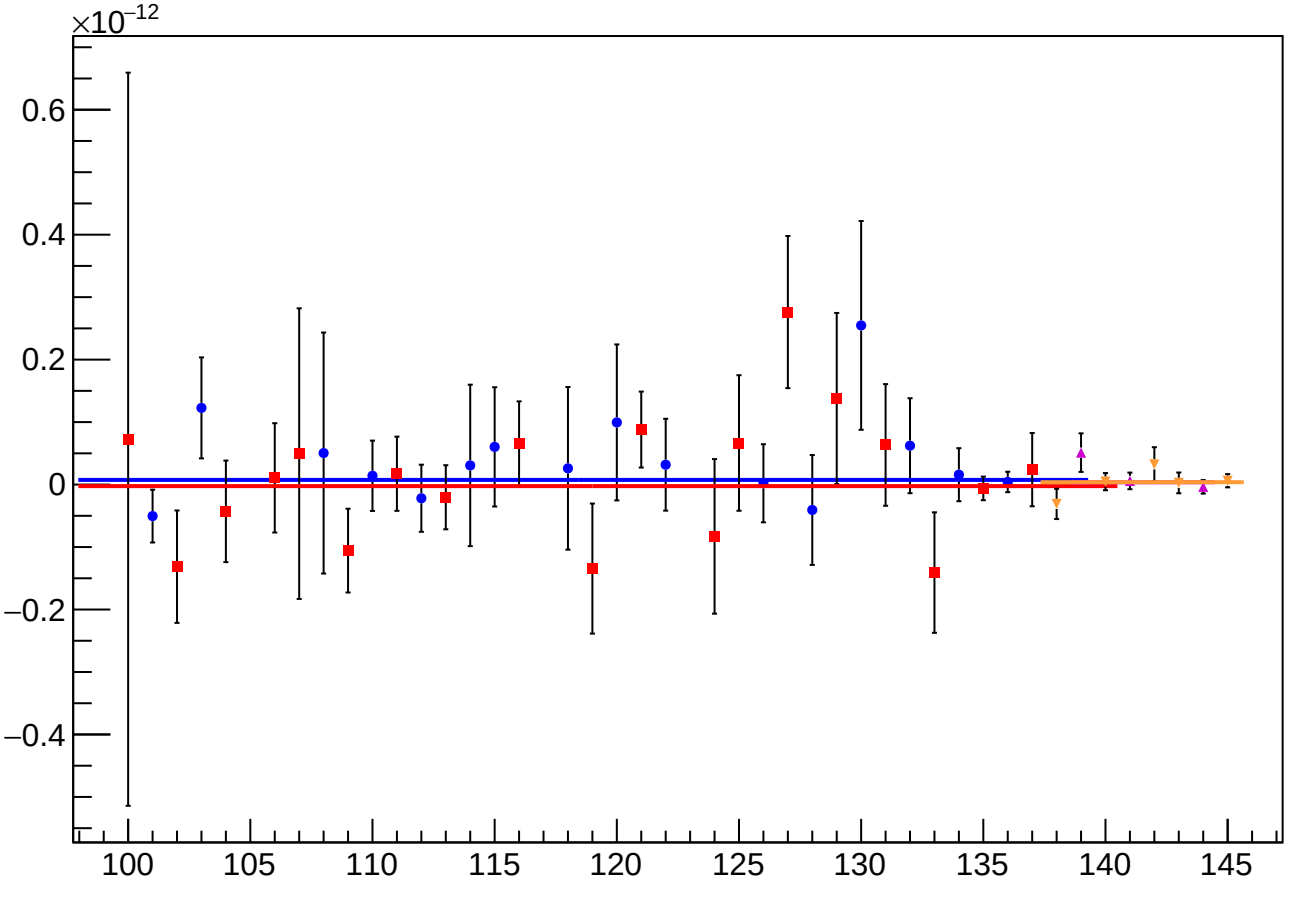
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 30.441+/-0.016 χ^2/NDF:765951.7/2

+ sign 53.549+/-0.013 χ^2/NDF: 1956880.1/20

All: 48.142+/-0.009 χ^2/NDF: 6553677.9/42

- sign 43.713+/-0.012 χ^2/NDF: 4290265.4/21



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

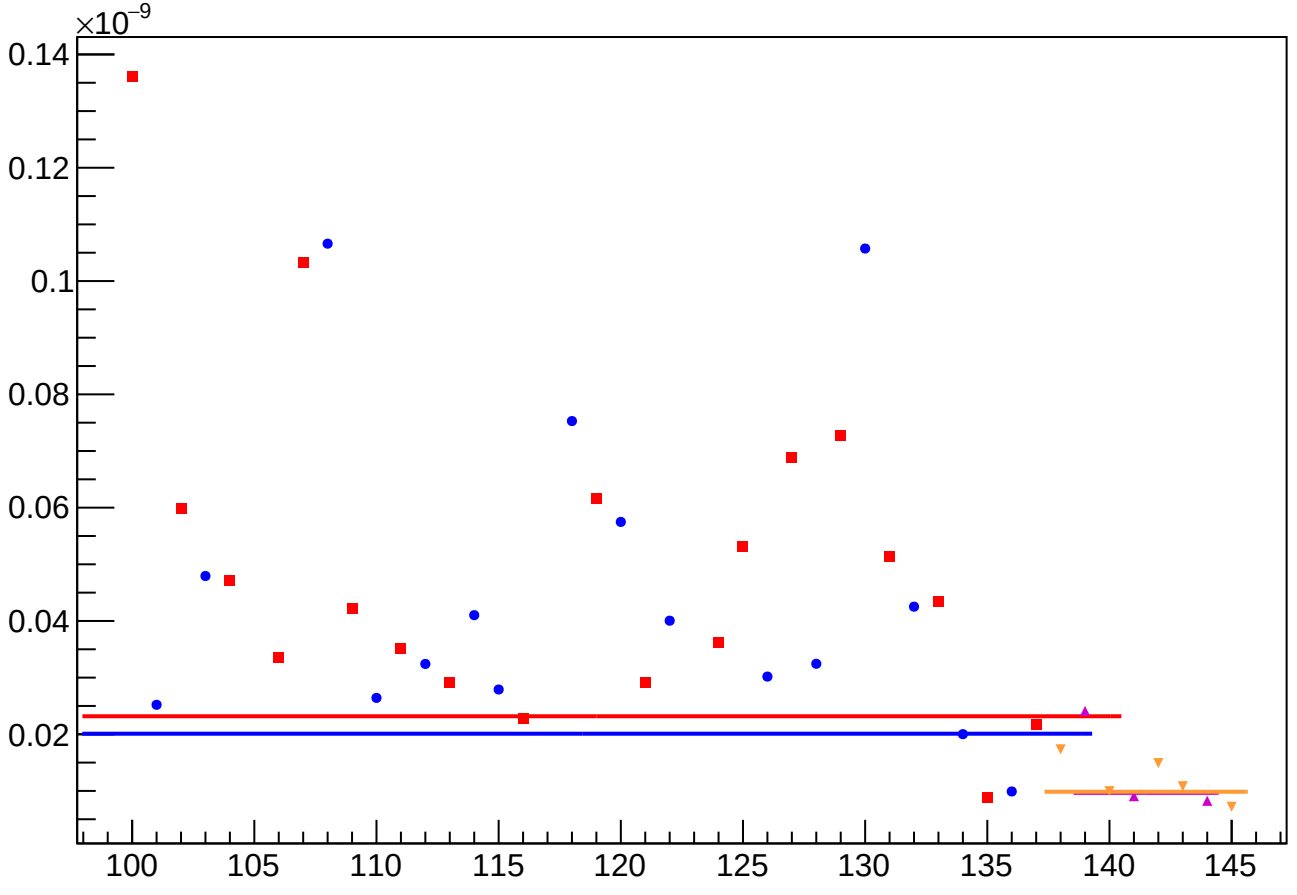
Left In: 0.000+/-0.000 χ^2/NDF:2.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 11.7/20

All: 0.000+/-0.000 χ^2/NDF: 34.4/42

- sign 0.000+/-0.000 χ^2/NDF: 22.7/21

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

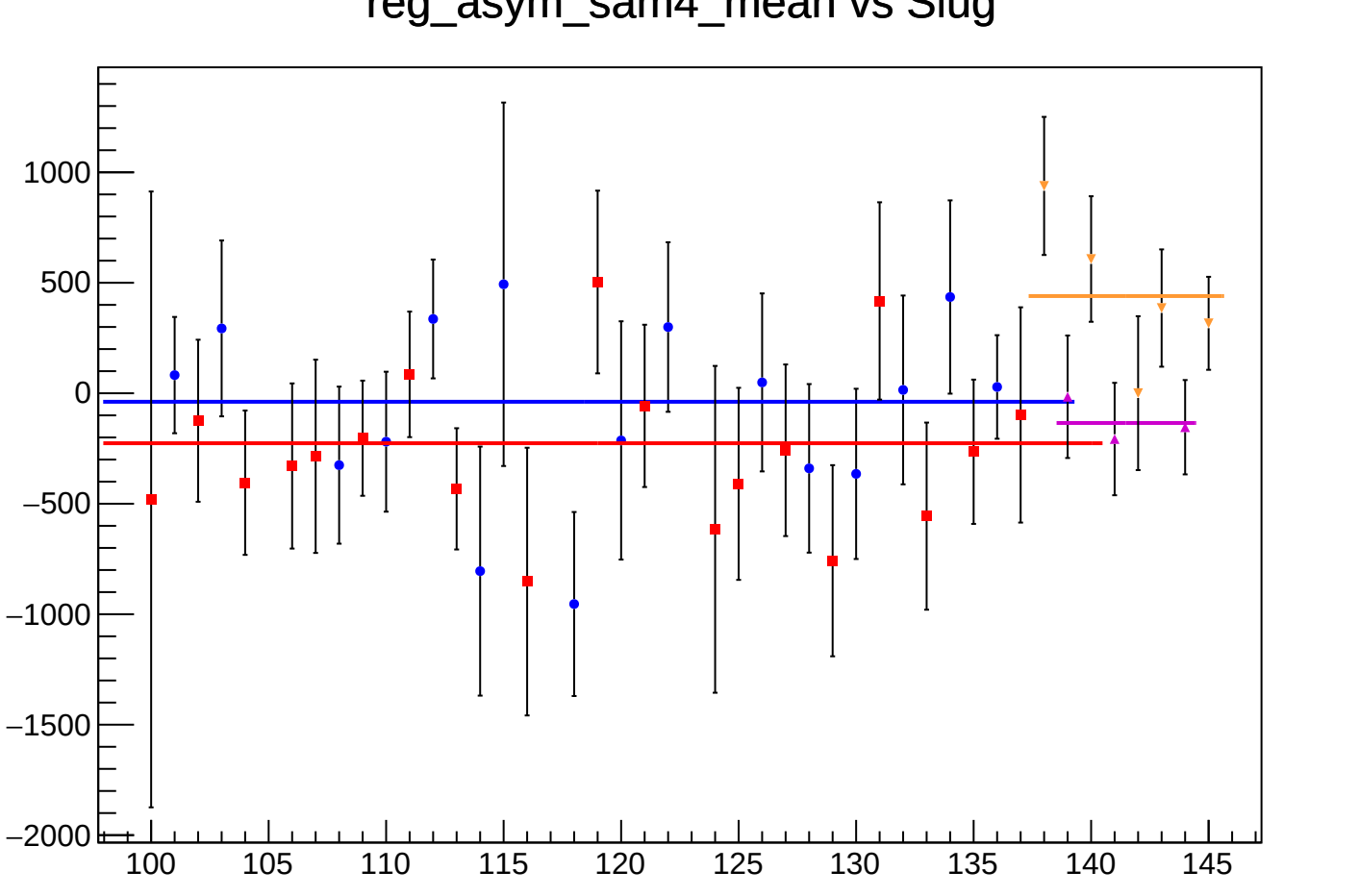
Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:476299.0/2

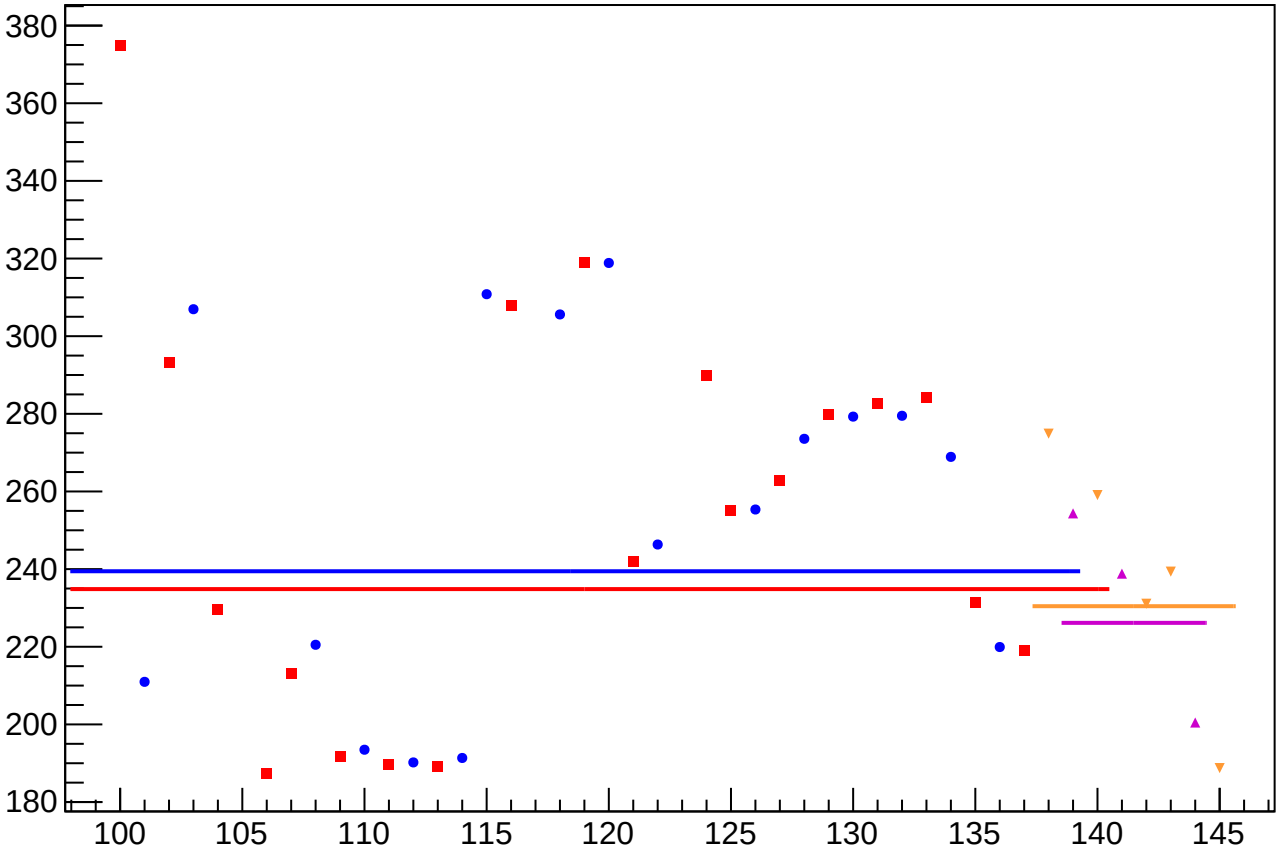
+ sign 0.000+/-0.000 χ^2/NDF: 4585001.6/20

All: 0.000+/-0.000 χ^2/NDF: 10080605.7/42

- sign 0.000+/-0.000 χ^2/NDF: 5478095.8/21


reg_asym_sam4_mean vs Slug
1000
500
0
−500
−1000
−1500
−2000
100
105
110
115
120
125
130
135
140
145
Right In: -38.498+/-90.619 χ²/NDF: 14.5/15
Left Out: 439.986+/-121.592 χ²/NDF:4.9/4
Right Out: -226.168+/-87.908 χ²/NDF: 11.4/18
Left In: -134.496+/-140.841 χ²/NDF:0.3/2
+ sign 132.363+/-72.660 χ²/NDF: 29.3/20
All: -29.725+/-52.042 χ²/NDF: 51.5/42
- sign -200.467+/-74.574 χ²/NDF: 12.0/21

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

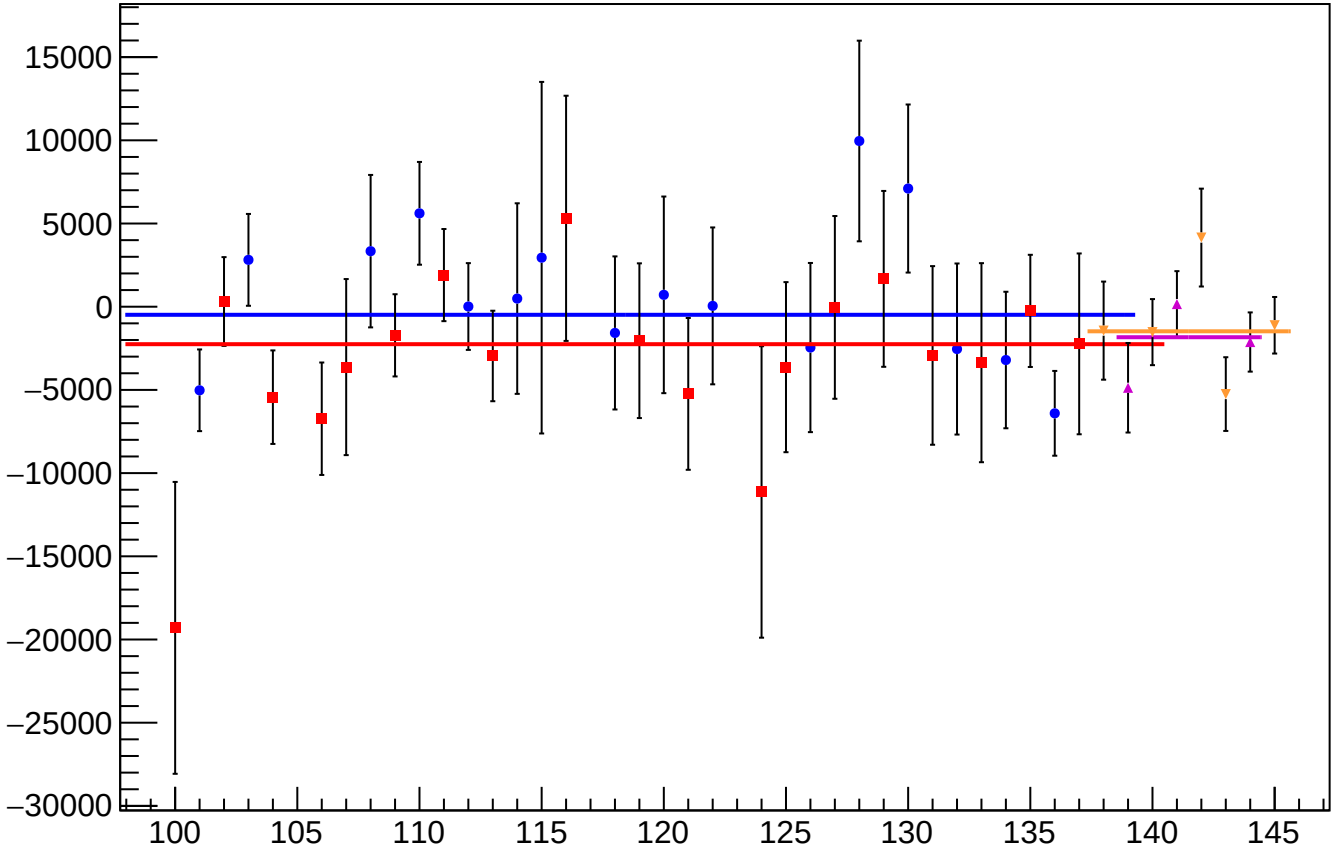
Left In: 226.157+/-0.100 χ^2/NDF:54584.7/2

+ sign 236.235+/-0.051 χ^2/NDF: 549513.2/20

All: 234.375+/-0.037 χ^2/NDF: 1093992.3/42

- sign 232.416+/-0.053 χ^2/NDF: 541788.5/21

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

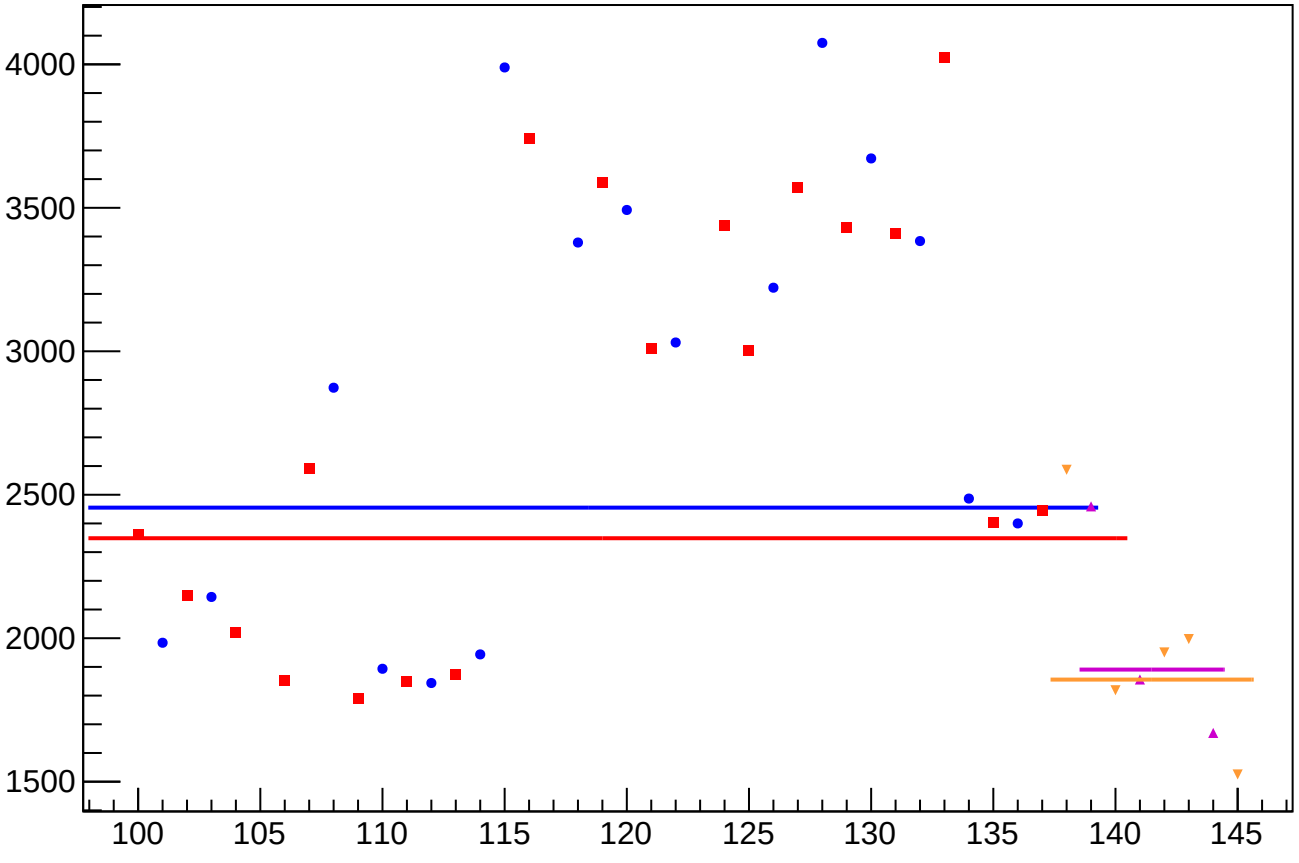
Left In: -1833.869+/-1186.985 χ^2/NDF:2.3/2

\+ sign -963.479+/-682.256 χ^2/NDF: 28.3/20

All: -1506.021+/-493.334 χ^2/NDF: 45.9/42

\- sign -2100.557+/-714.200 χ^2/NDF: 16.3/21

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

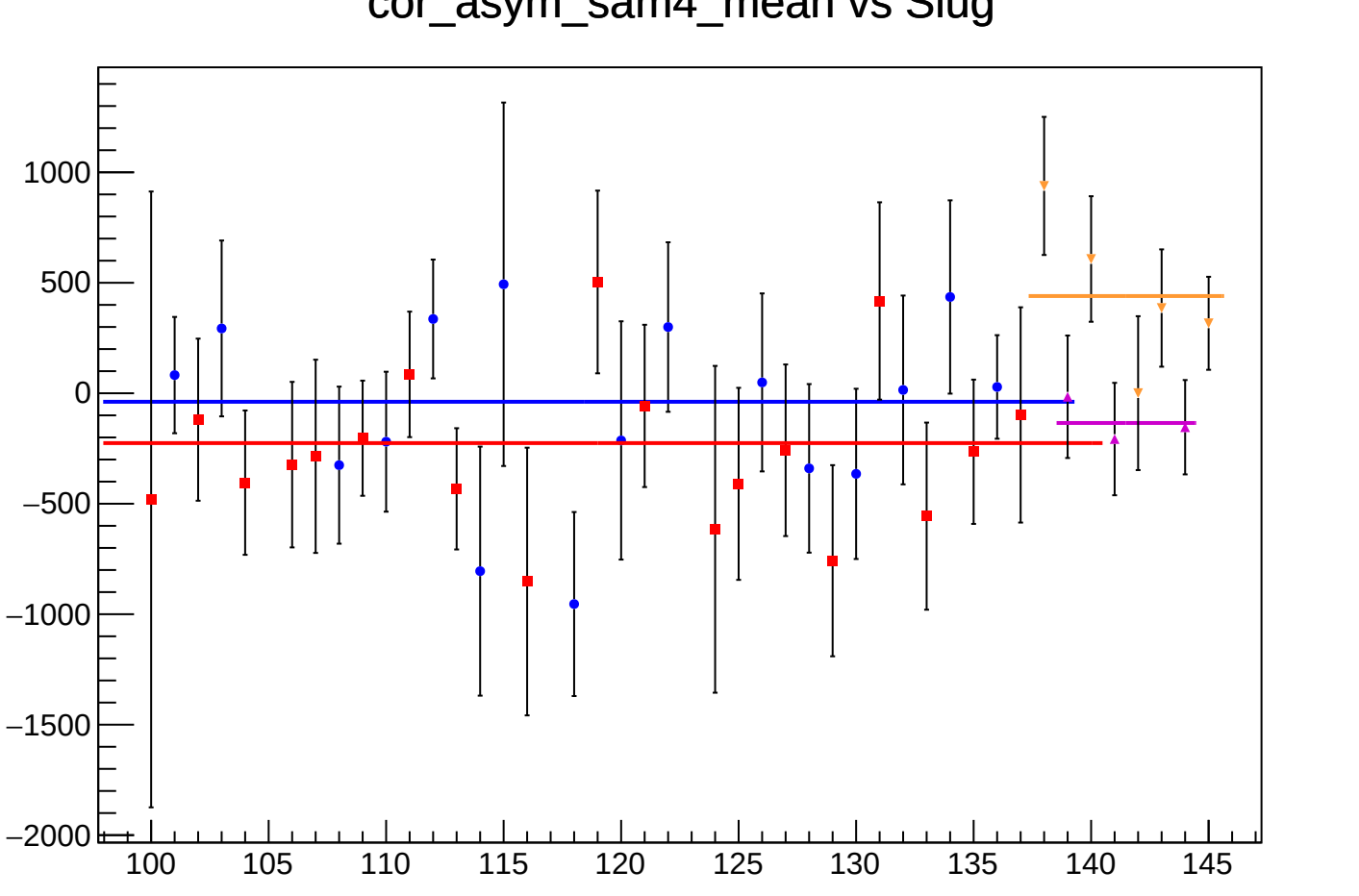
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1890.699+/-0.839 χ^2/NDF:120771.7/2

+ sign 2166.560+/-0.482 χ^2/NDF: 1489304.8/20

All: 2174.274+/-0.349 χ^2/NDF: 2852786.9/42

- sign 2182.726+/-0.505 χ^2/NDF: 1362946.3/21



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

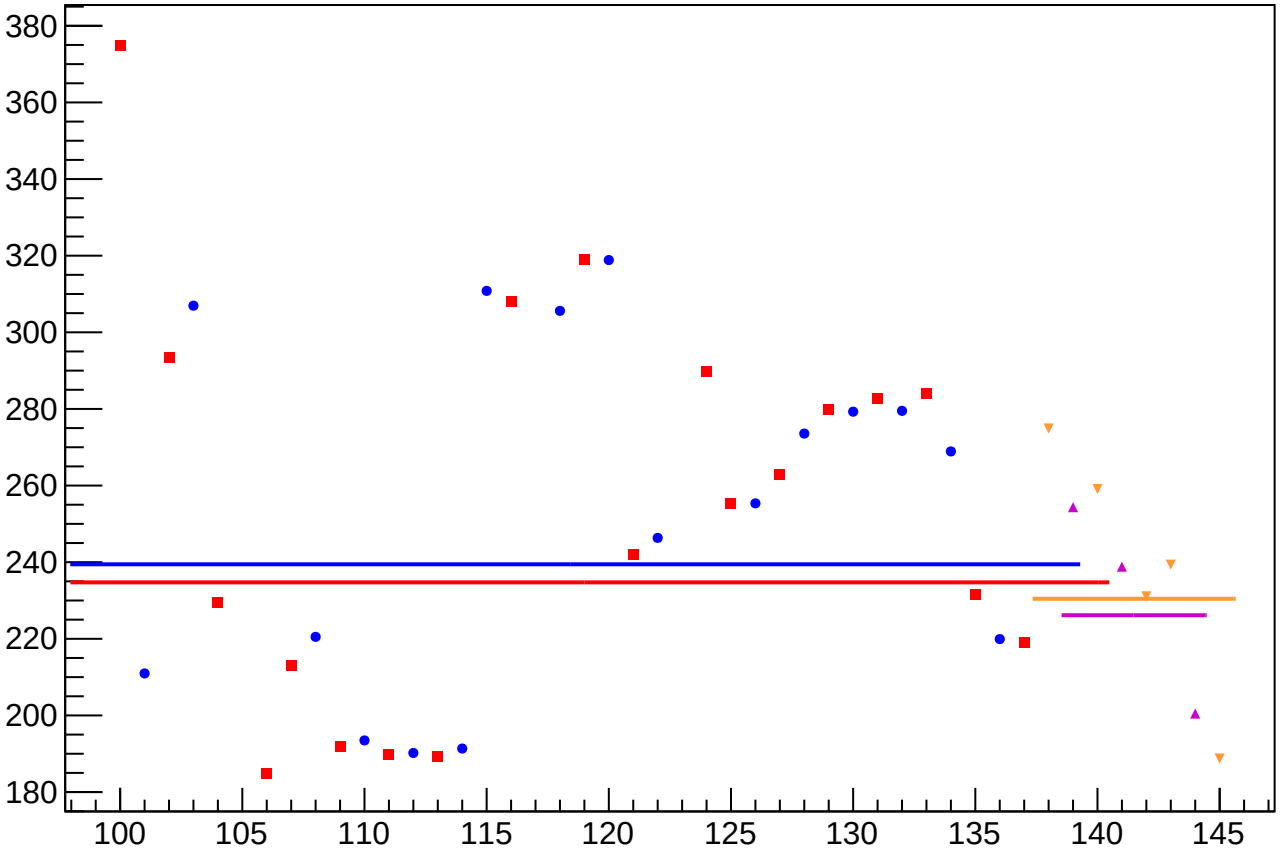
Left In: -134.513+/-140.841 χ^2/NDF:0.3/2

+ sign 132.363+/-72.660 χ^2/NDF: 29.3/20

All: -29.477+/-52.044 χ^2/NDF: 51.5/42

- sign -199.996+/-74.582 χ^2/NDF: 12.0/21

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

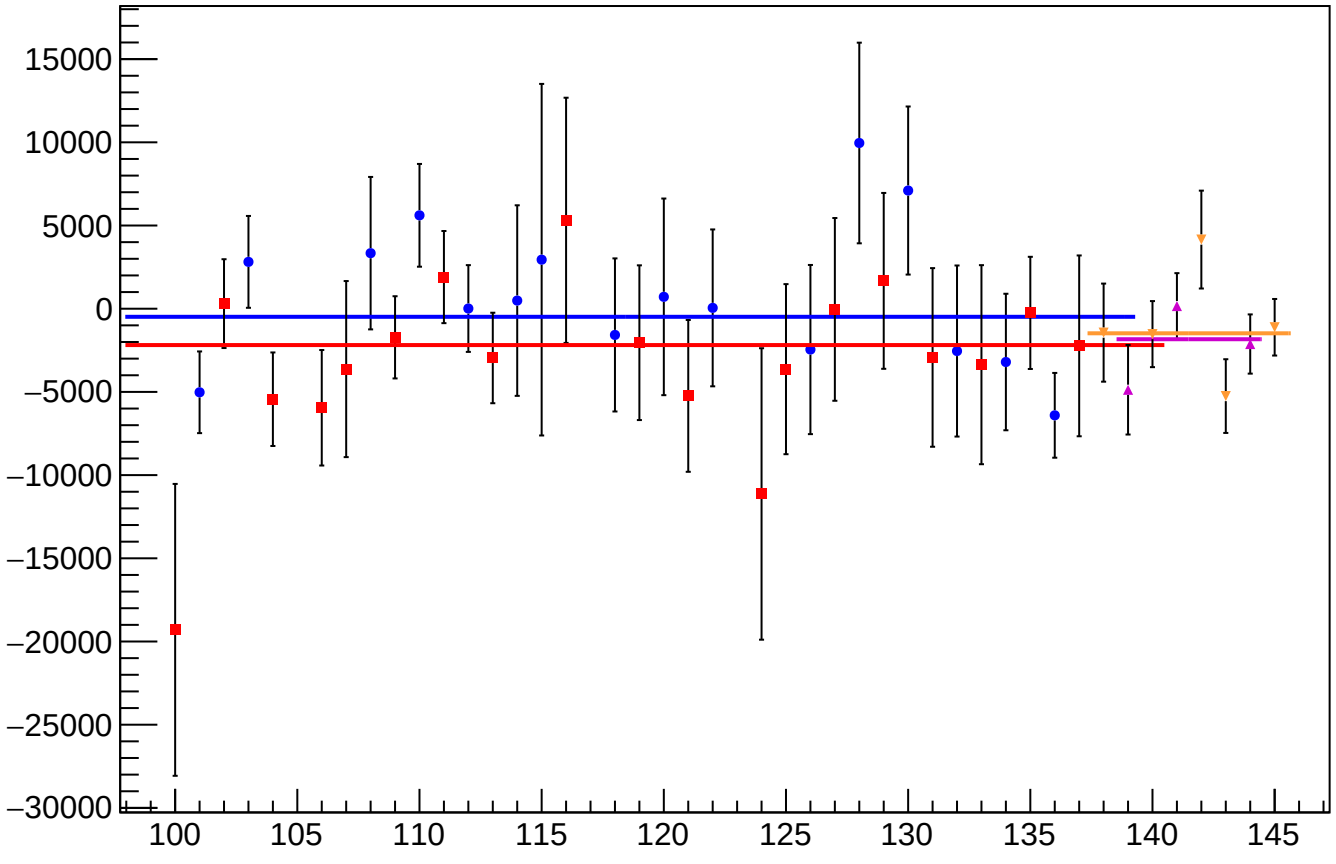
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 226.157+/-0.100 χ^2/NDF:54584.7/2

+ sign 236.235+/-0.051 χ^2/NDF: 549515.6/20

All: 234.333+/-0.037 χ^2/NDF: 1097490.1/42

- sign 232.328+/-0.053 χ^2/NDF: 545158.5/21



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

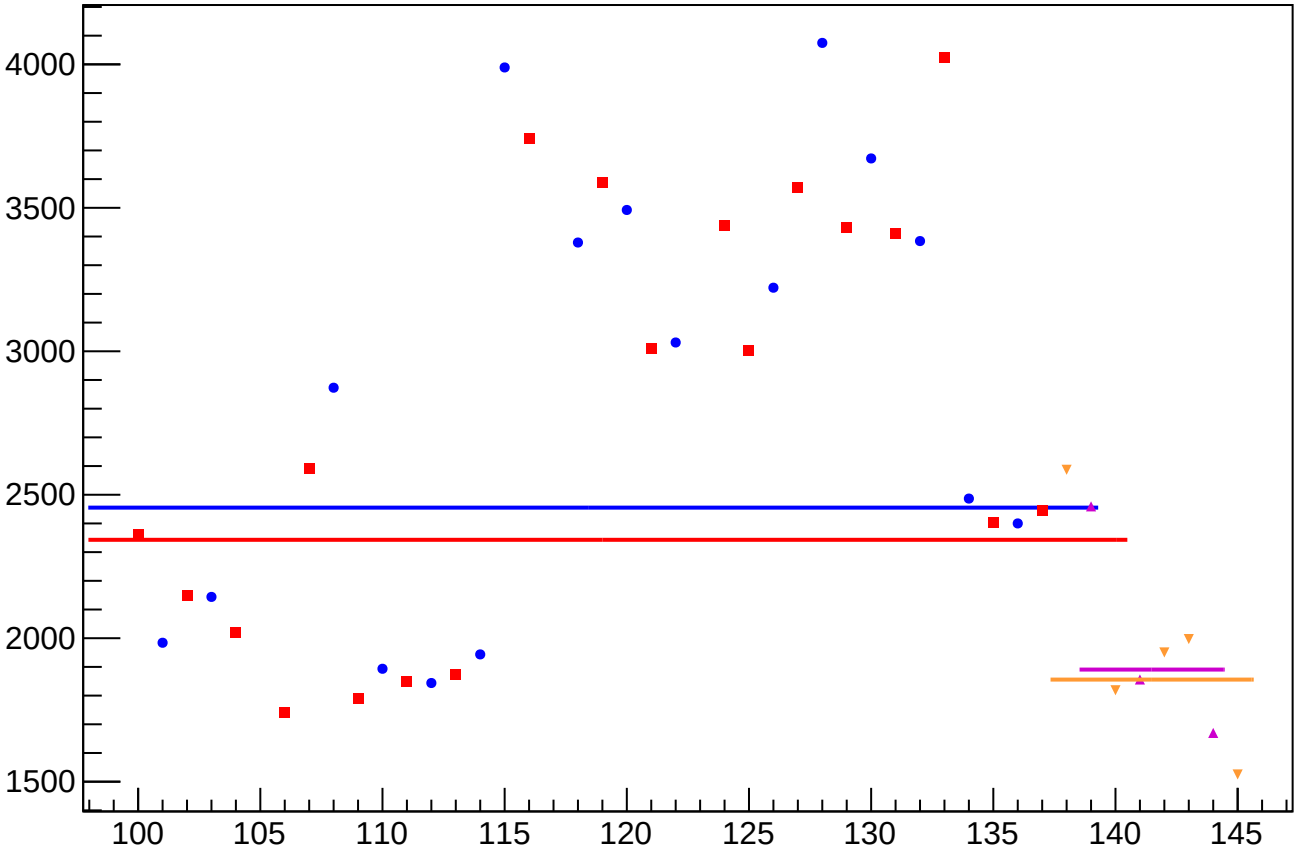
Left In: -1833.902+/-1186.986 χ^2/NDF:2.3/2

+ sign -963.555+/-682.259 χ^2/NDF: 28.3/20

All: -1484.851+/-493.619 χ^2/NDF: 45.1/42

- sign -2057.479+/-715.061 χ^2/NDF: 15.6/21

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

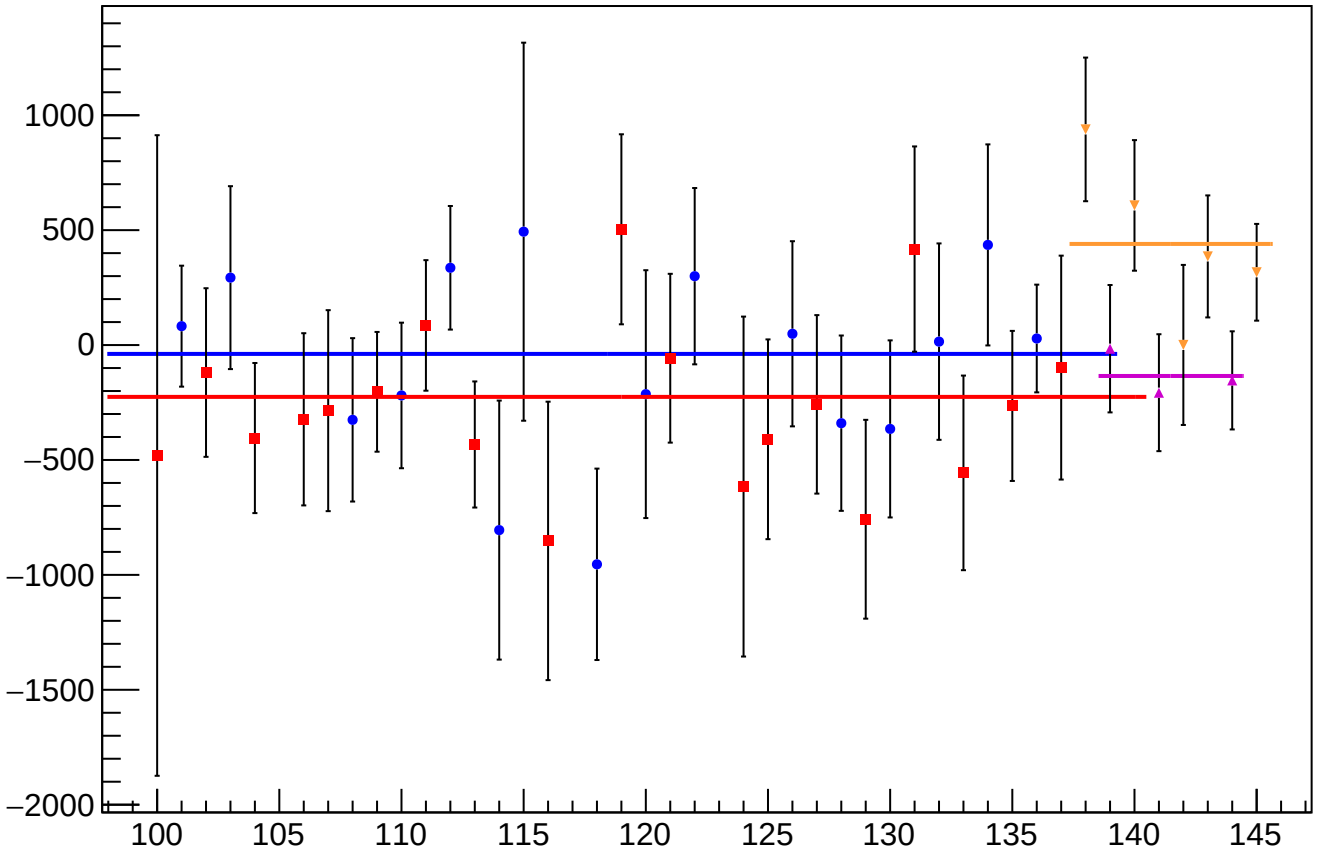
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1890.700+/-0.839 χ^2/NDF:120770.6/2

+ sign 2166.569+/-0.482 χ^2/NDF: 1489305.4/20

All: 2172.411+/-0.349 χ^2/NDF: 2865744.6/42

- sign 2178.829+/-0.506 χ^2/NDF: 1376131.5/21



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

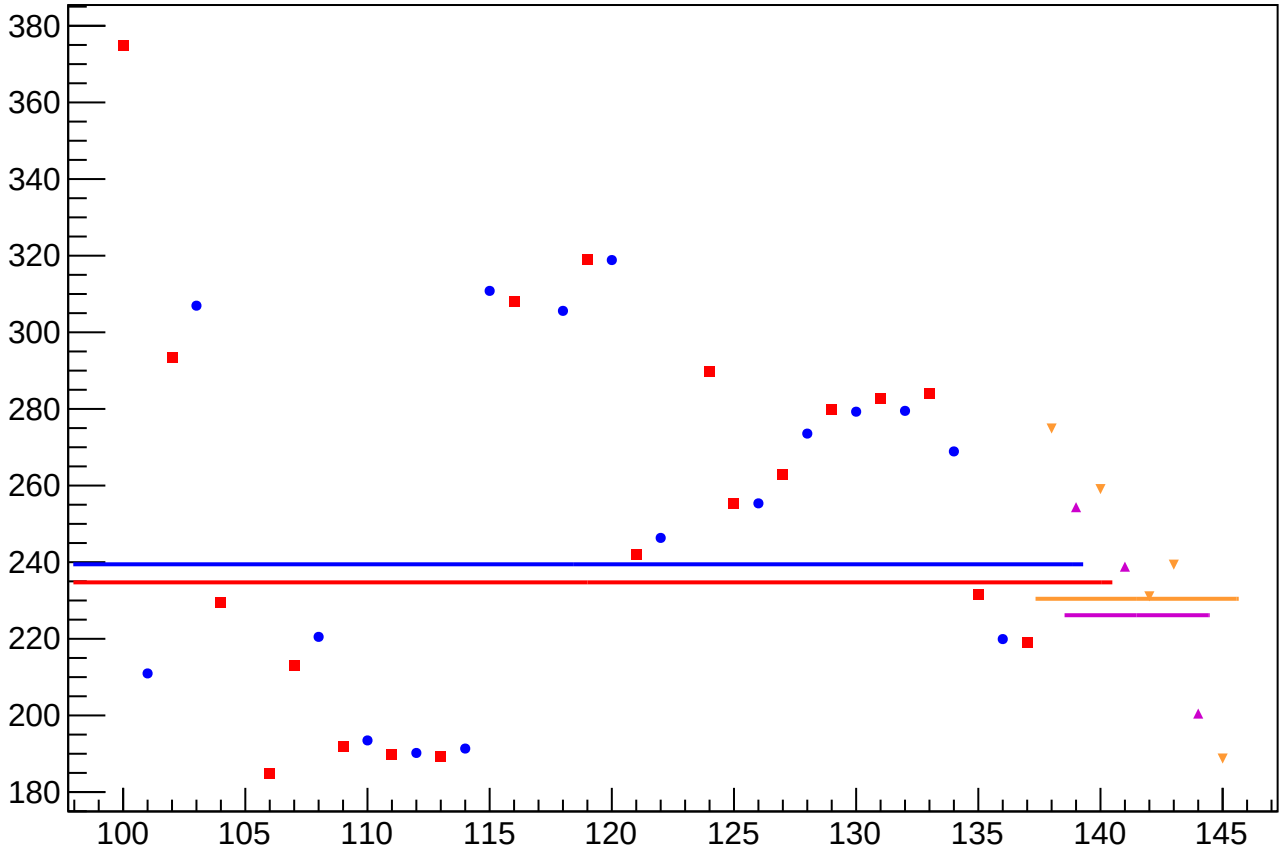
Left In: -134.513+/-140.841 χ^2/NDF:0.3/2

+ sign 132.363+/-72.660 χ^2/NDF: 29.3/20

All: -29.477+/-52.044 χ^2/NDF: 51.5/42

- sign -199.996+/-74.582 χ^2/NDF: 12.0/21

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

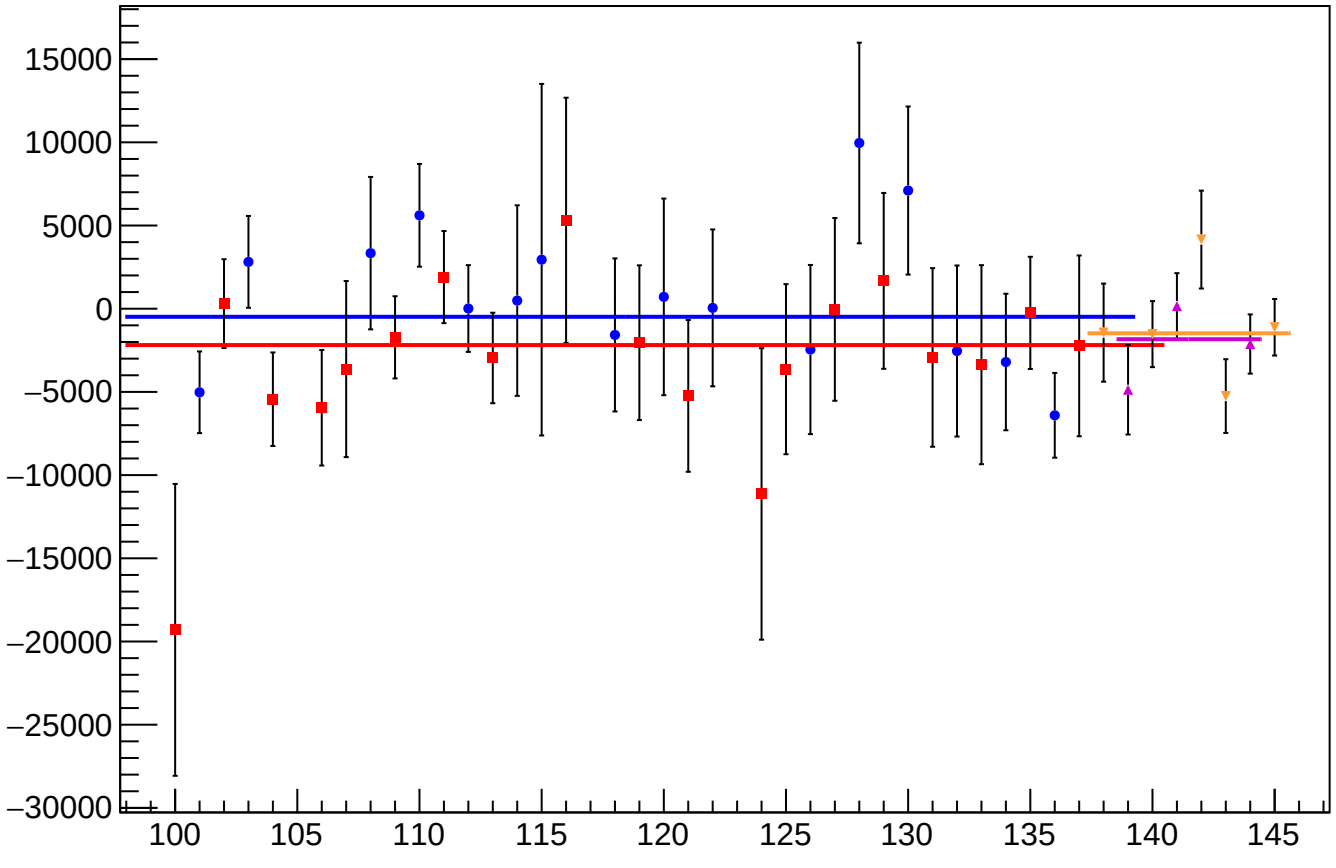
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 226.157+/-0.100 χ^2/NDF:54584.7/2

+ sign 236.235+/-0.051 χ^2/NDF: 549515.6/20

All: 234.333+/-0.037 χ^2/NDF: 1097490.1/42

- sign 232.328+/-0.053 χ^2/NDF: 545158.5/21



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

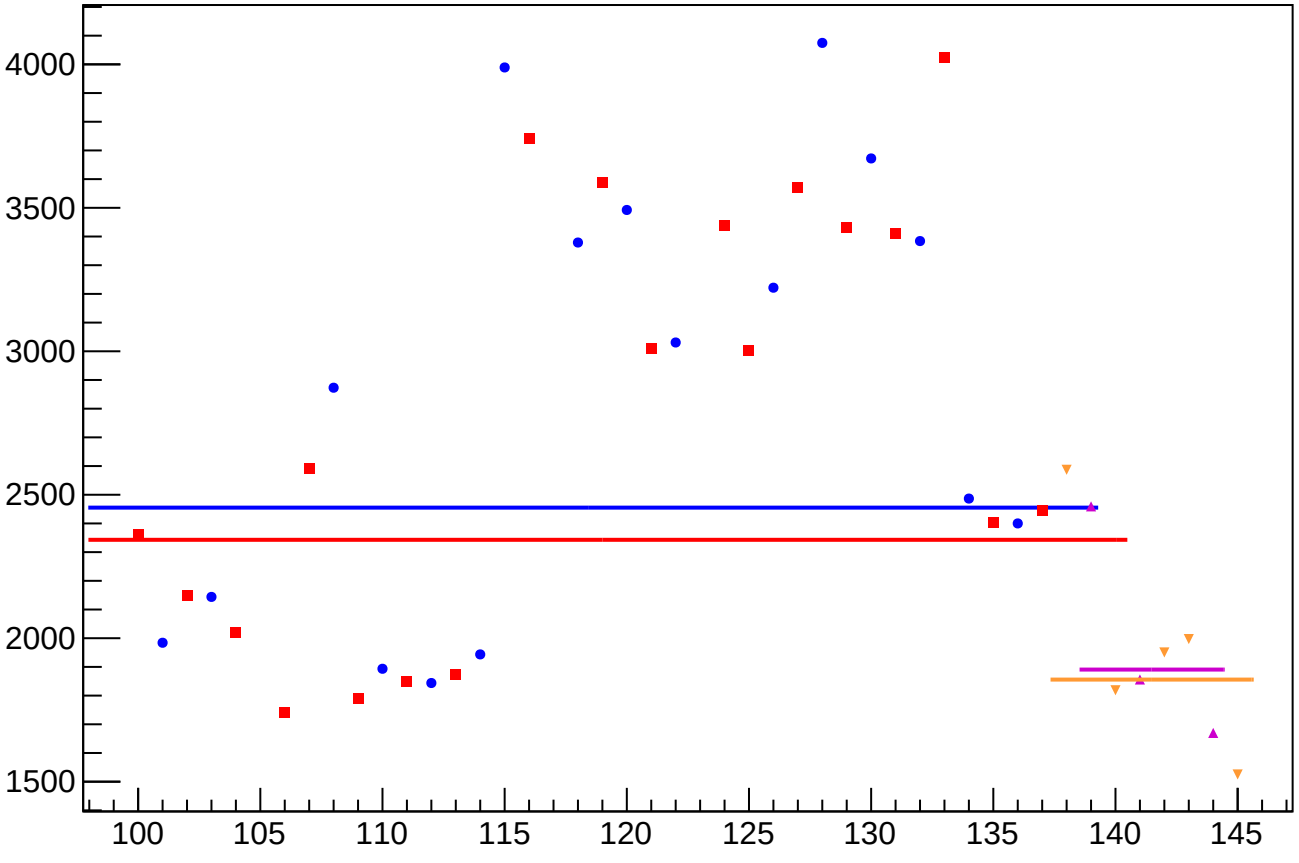
Left In: -1833.902+/-1186.986 χ^2/NDF:2.3/2

+ sign -963.555+/-682.259 χ^2/NDF: 28.3/20

All: -1484.851+/-493.619 χ^2/NDF: 45.1/42

- sign -2057.479+/-715.061 χ^2/NDF: 15.6/21

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

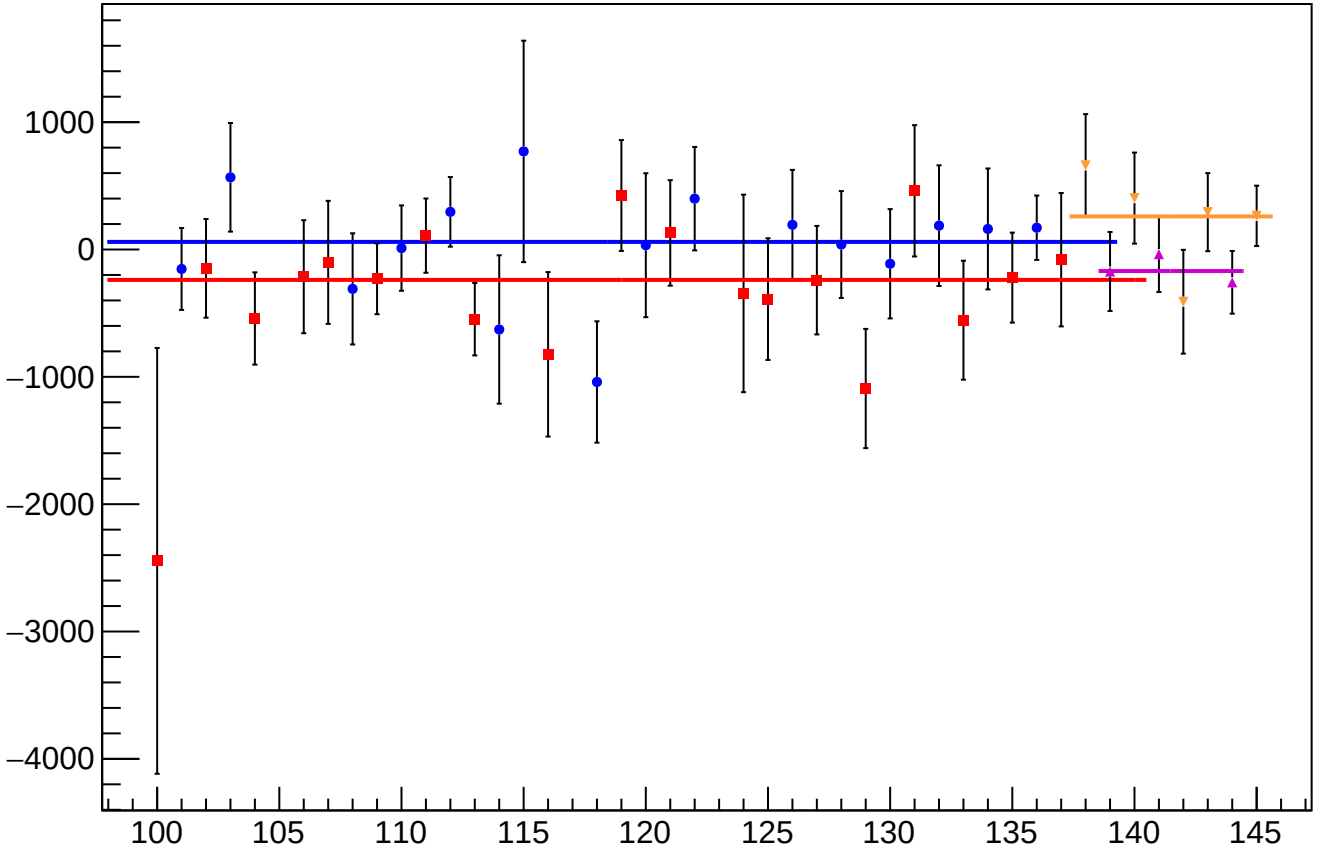
Left In: 1890.700+/-0.839 χ^2/NDF:120770.6/2

+ sign 2166.569+/-0.482 χ^2/NDF: 1489305.4/20

All: 2172.411+/-0.349 χ^2/NDF: 2865744.6/42

- sign 2178.829+/-0.506 χ^2/NDF: 1376131.5/21

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

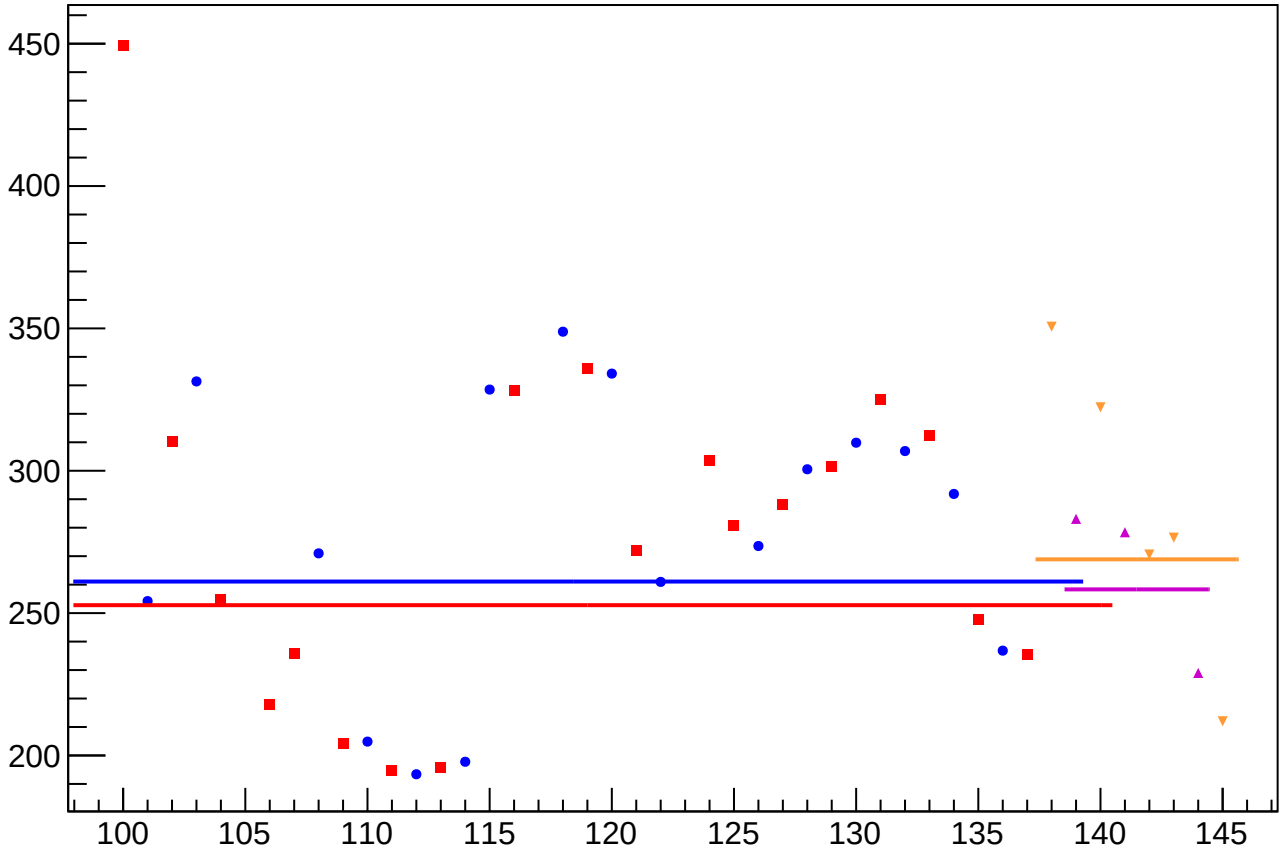
Left In: -169.061+/-161.751 χ^2/NDF:0.3/2

+ sign 124.368+/-81.647 χ^2/NDF: 17.2/20

All: -47.506+/-57.842 χ^2/NDF: 41.5/42

- sign -220.685+/-81.956 χ^2/NDF: 15.4/21

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

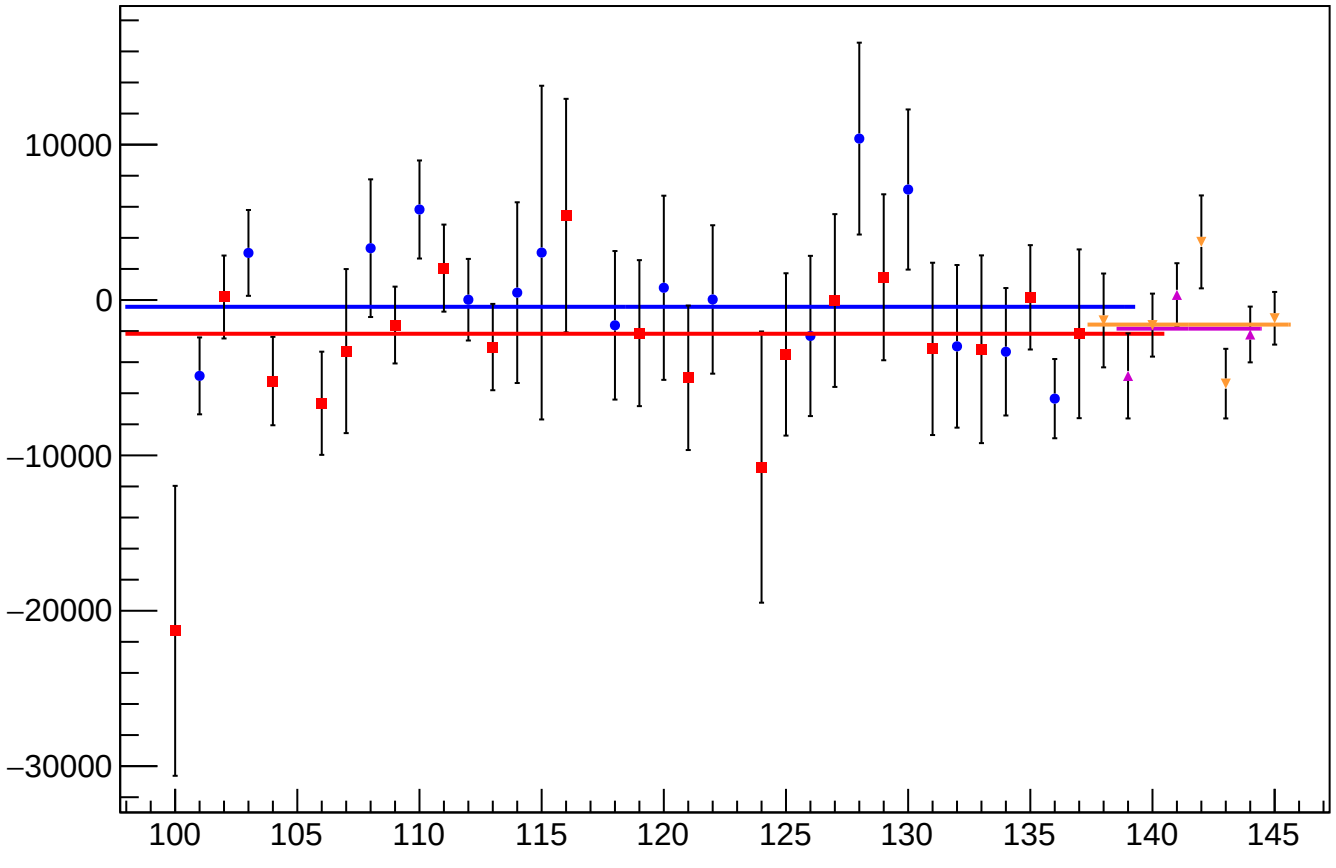
Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 258.335+/-0.114 χ^2/NDF:50296.6/2

+ sign 263.607+/-0.058 χ^2/NDF: 710103.6/20

All: 258.927+/-0.041 χ^2/NDF: 1312630.9/42

- sign 254.211+/-0.058 χ^2/NDF: 589335.8/21



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

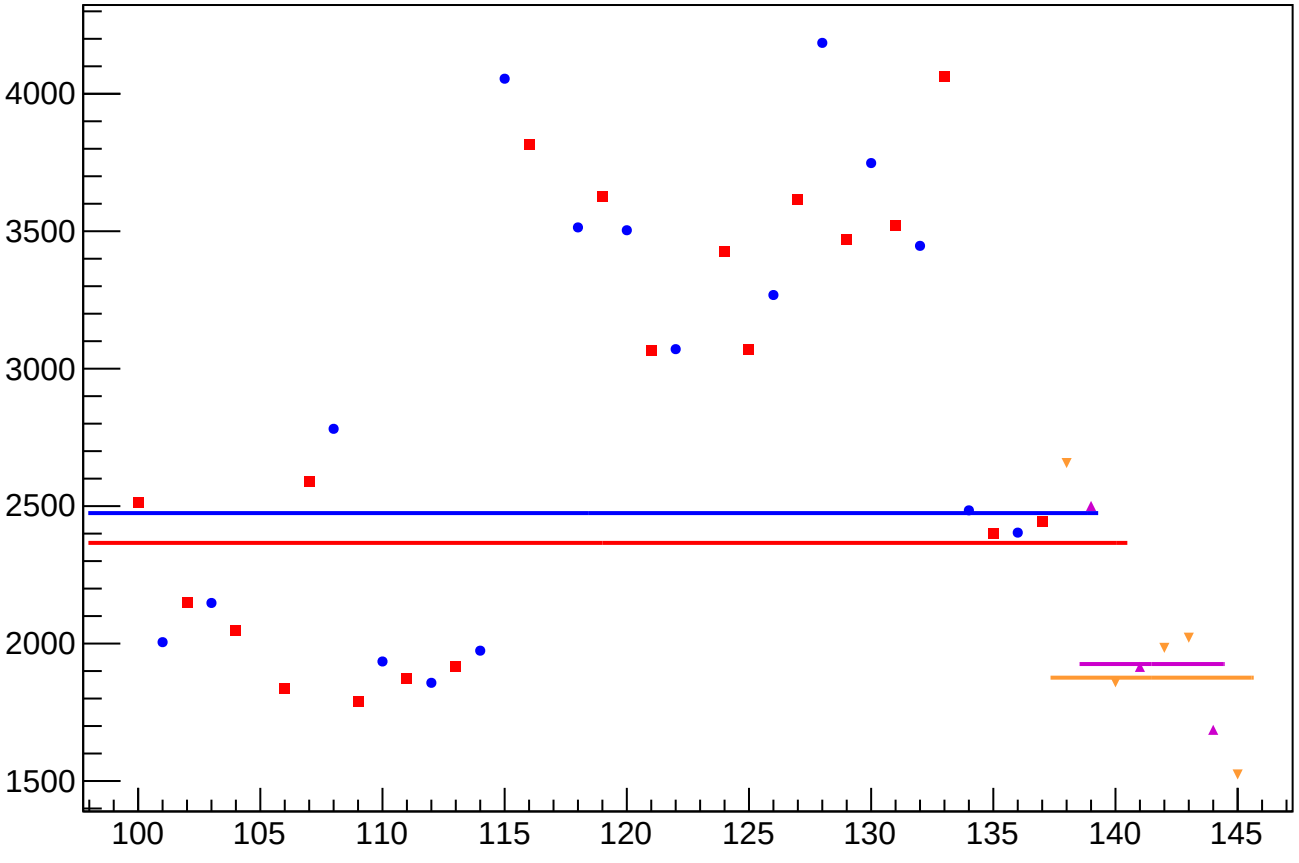
Left In: -1842.131+/-1208.527 χ^2/NDF:2.4/2

+ sign -986.005+/-688.719 χ^2/NDF: 28.0/20

All: -1494.620+/-498.479 χ^2/NDF: 45.6/42

- sign -2054.194+/-722.398 χ^2/NDF: 16.5/21

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

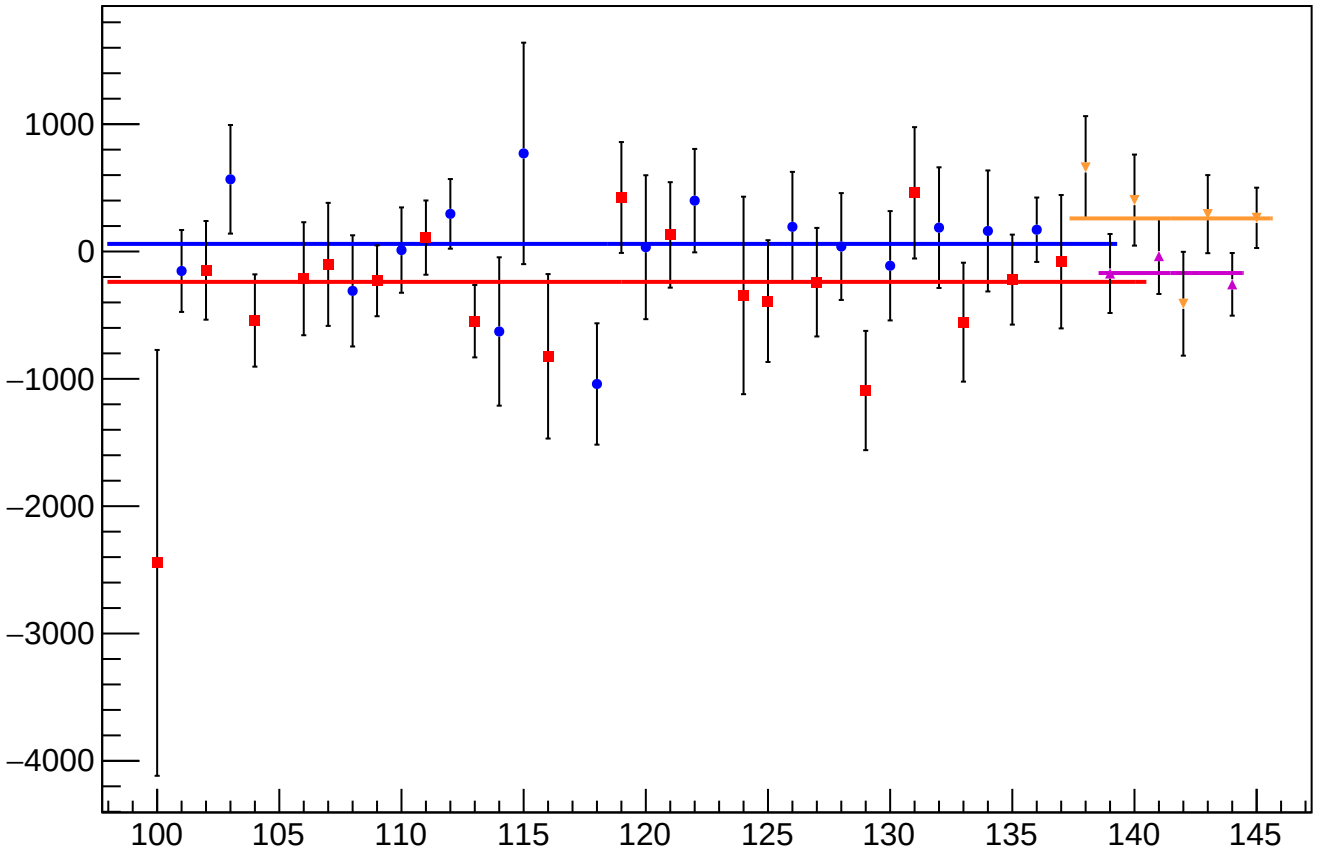
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 1925.532+/-0.855 χ^2/NDF:123930.3/2

+ sign 2187.226+/-0.487 χ^2/NDF: 1524670.3/20

All: 2197.479+/-0.352 χ^2/NDF: 2897624.2/42

- sign 2208.761+/-0.511 χ^2/NDF: 1372022.9/21



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

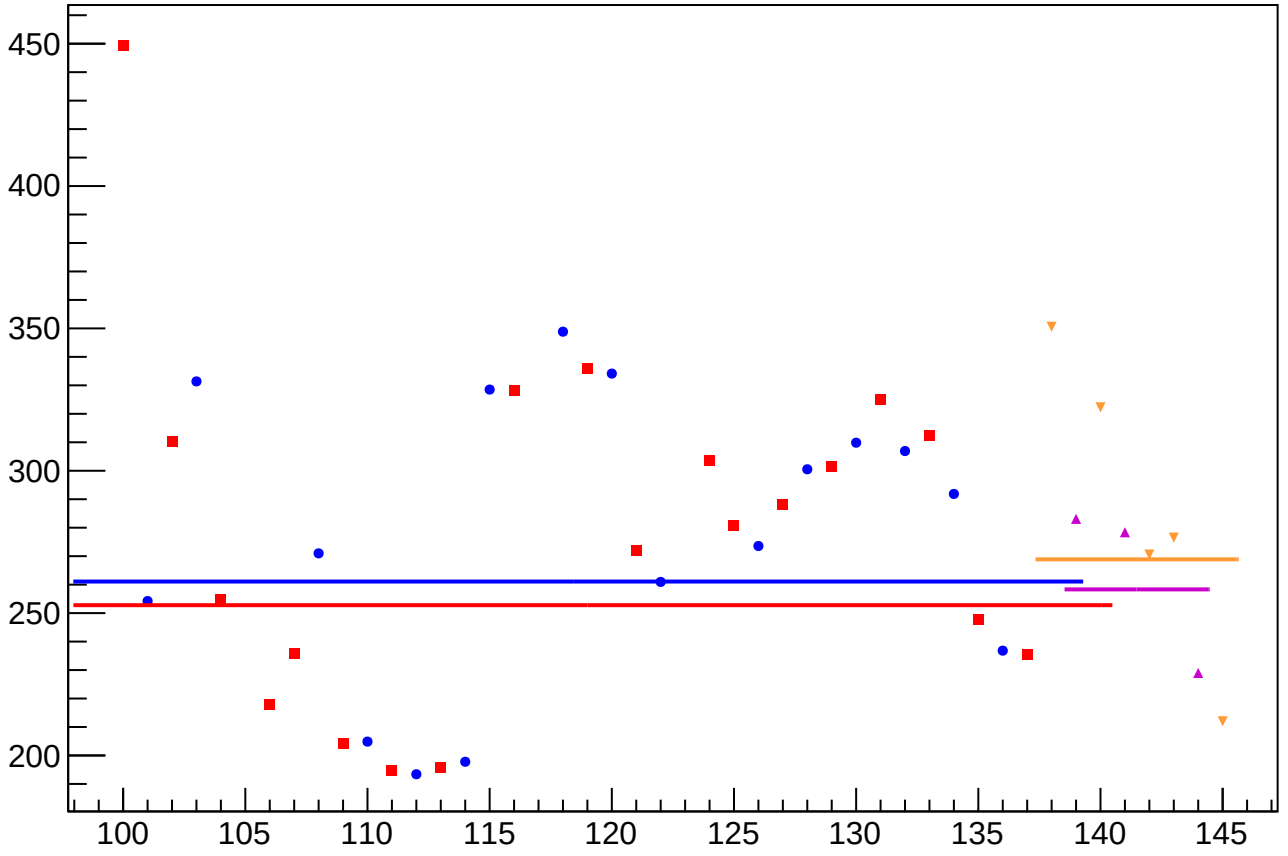
Left In: -169.062+/-161.752 χ^2/NDF:0.3/2

+ sign 124.372+/-81.647 χ^2/NDF: 17.2/20

All: -47.504+/-57.842 χ^2/NDF: 41.5/42

- sign -220.685+/-81.956 χ^2/NDF: 15.4/21

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

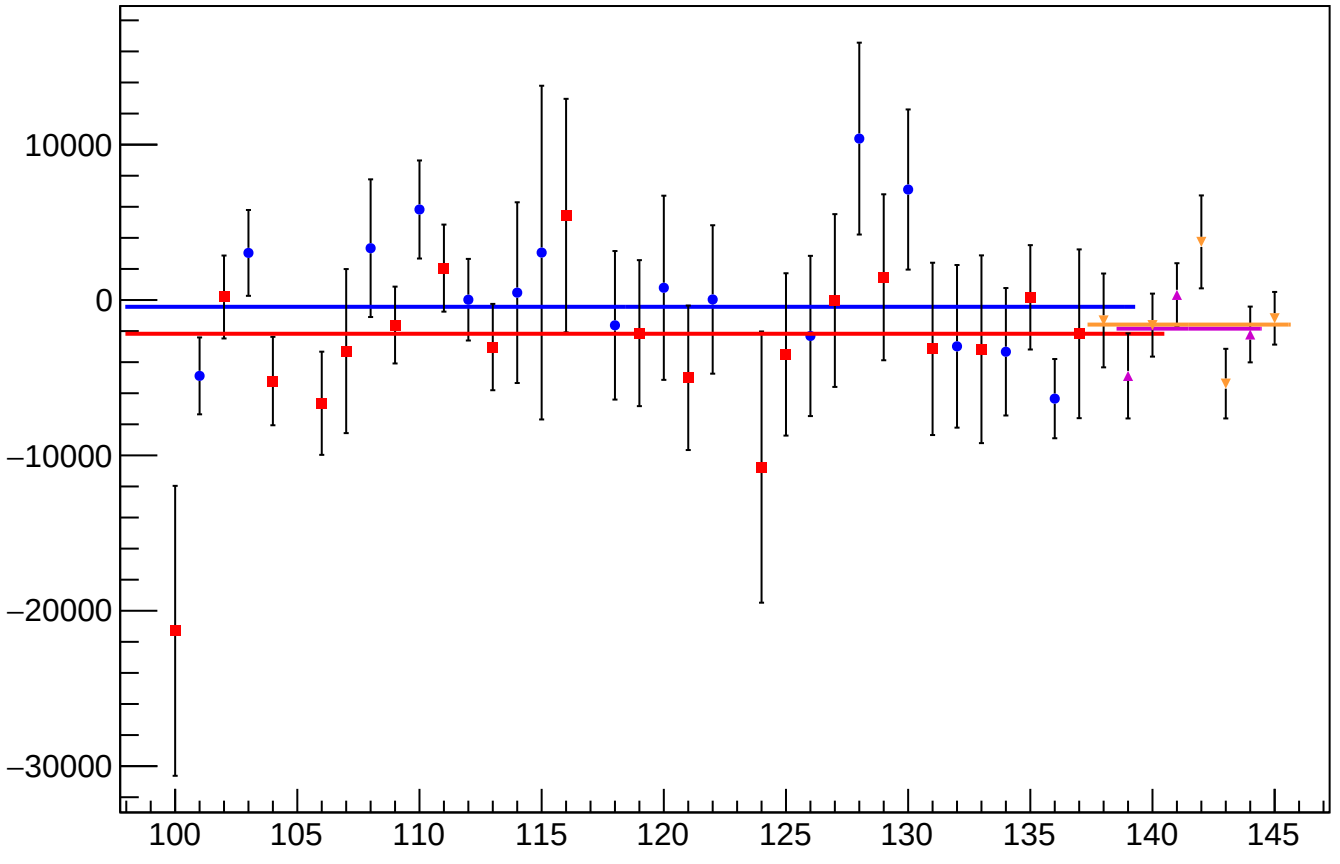
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 258.335+/-0.114 χ^2/NDF:50294.9/2

+ sign 263.607+/-0.058 χ^2/NDF: 710102.9/20

All: 258.927+/-0.041 χ^2/NDF: 1312632.4/42

- sign 254.211+/-0.058 χ^2/NDF: 589337.4/21



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

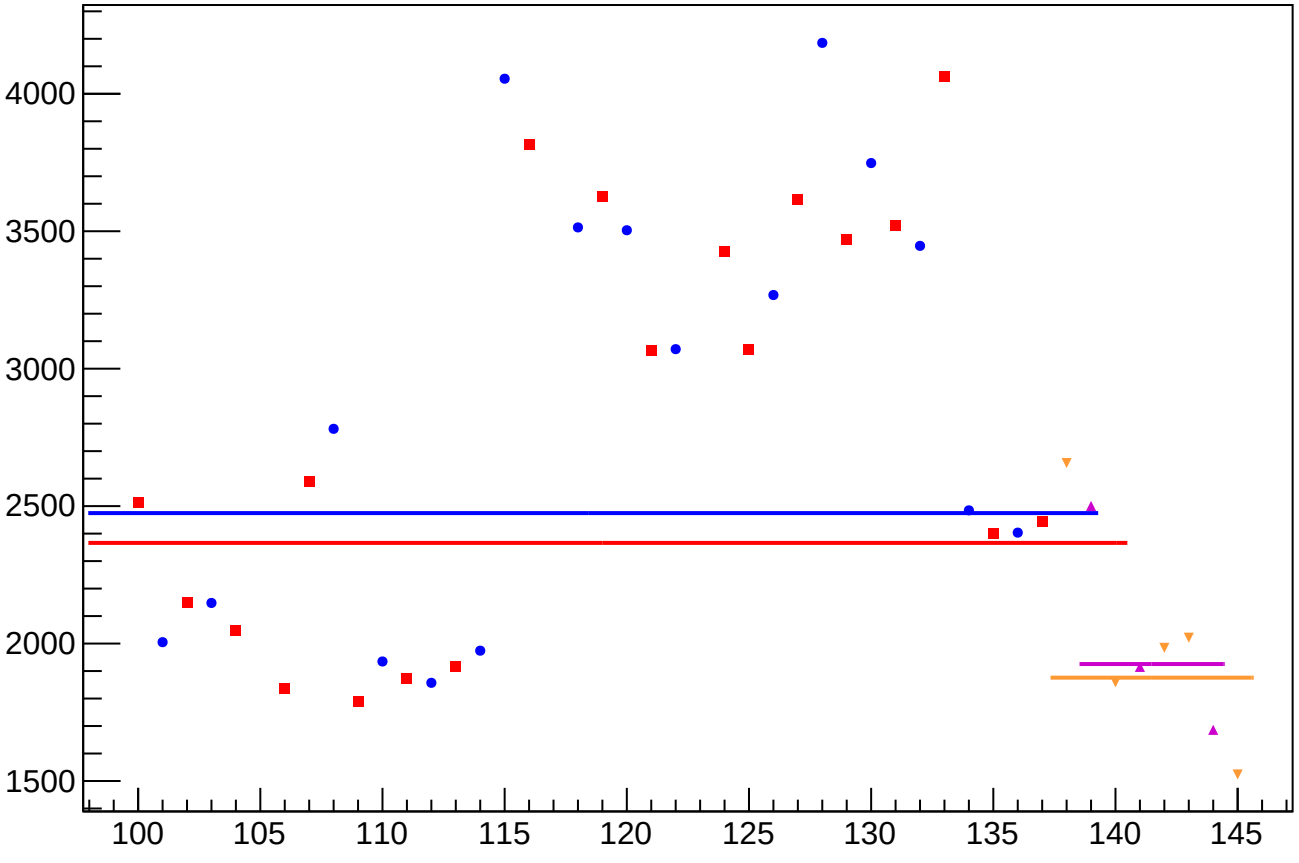
Left In: -1842.130+/-1208.526 χ^2/NDF:2.4/2

+ sign -986.005+/-688.718 χ^2/NDF: 28.0/20

All: -1494.619+/-498.478 χ^2/NDF: 45.6/42

- sign -2054.193+/-722.397 χ^2/NDF: 16.5/21

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

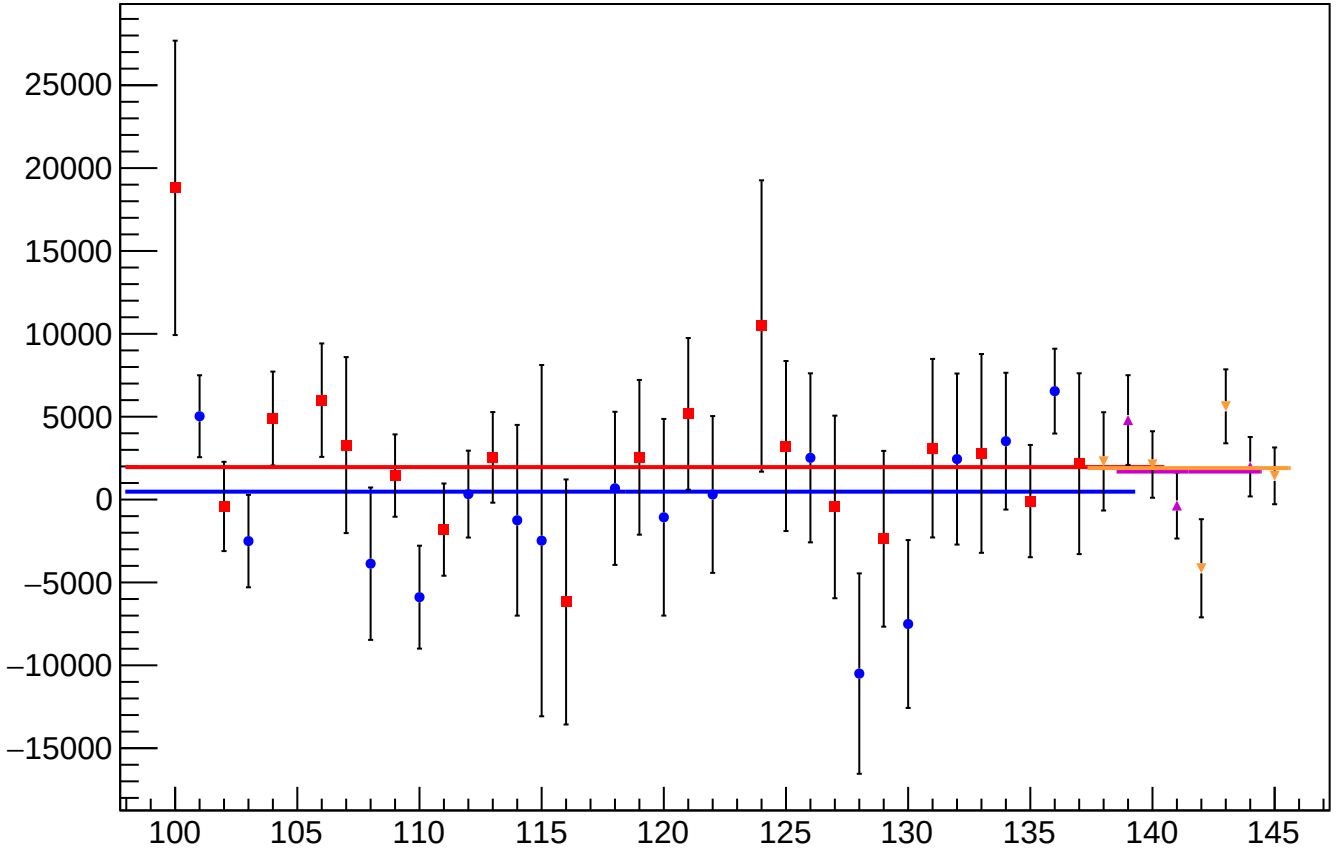
Left In: 1925.530+/-0.855 χ^2/NDF:123930.2/2

+ sign 2187.223+/-0.487 χ^2/NDF: 1524678.5/20

All: 2197.477+/-0.352 χ^2/NDF: 2897635.6/42

- sign 2208.759+/-0.511 χ^2/NDF: 1372026.0/21

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

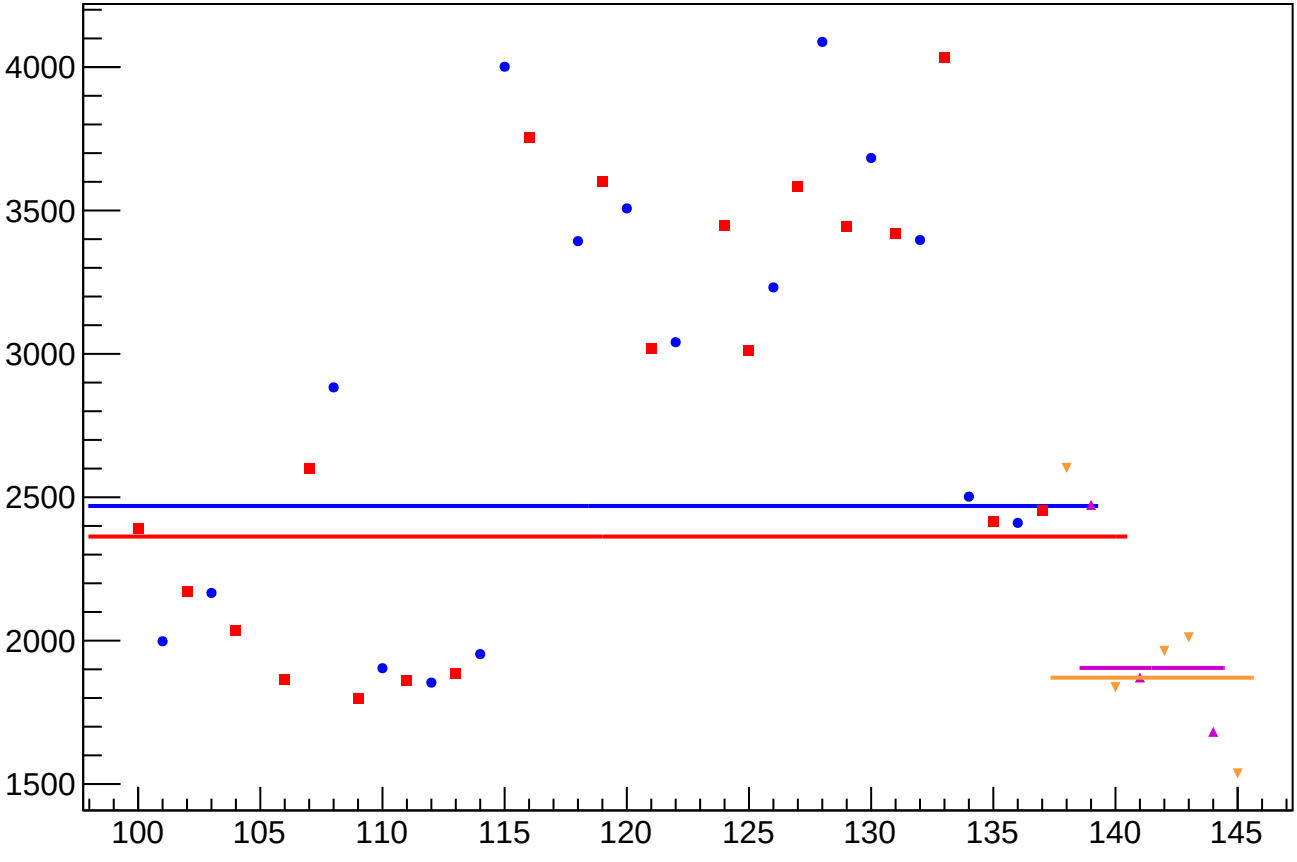
Left In: 1691.089+/-1195.688 χ^2/NDF:2.4/2

+ sign 1160.358+/-686.861 χ^2/NDF: 30.2/20

All: 1495.410+/-496.629 χ^2/NDF: 46.0/42

- sign 1862.461+/-718.913 χ^2/NDF: 15.3/21

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

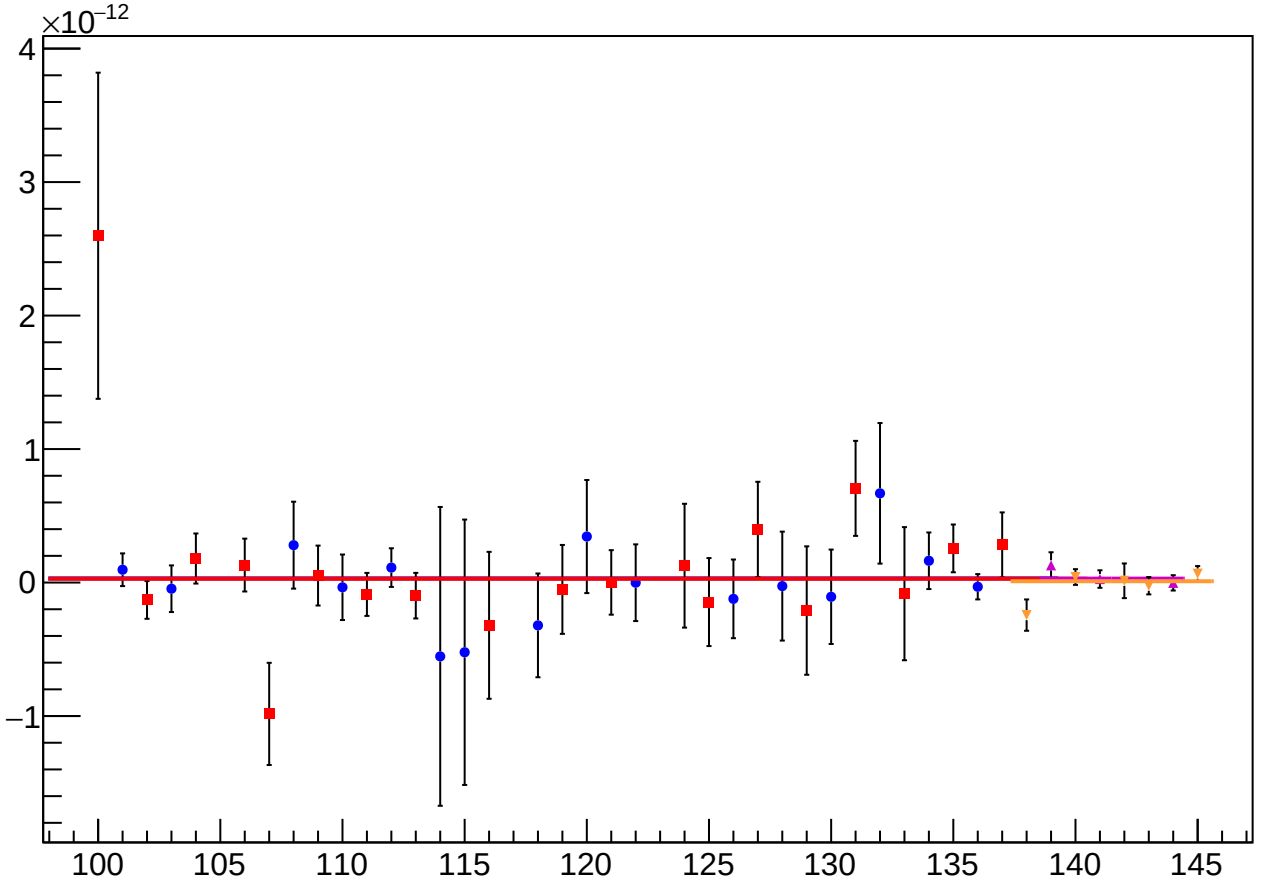
Left In: 1904.868+/-0.845 χ^2/NDF:119715.1/2

+ sign 2182.079+/-0.486 χ^2/NDF: 1473706.3/20

All: 2189.398+/-0.351 χ^2/NDF: 2824754.3/42

- sign 2197.415+/-0.508 χ^2/NDF: 1350572.1/21

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

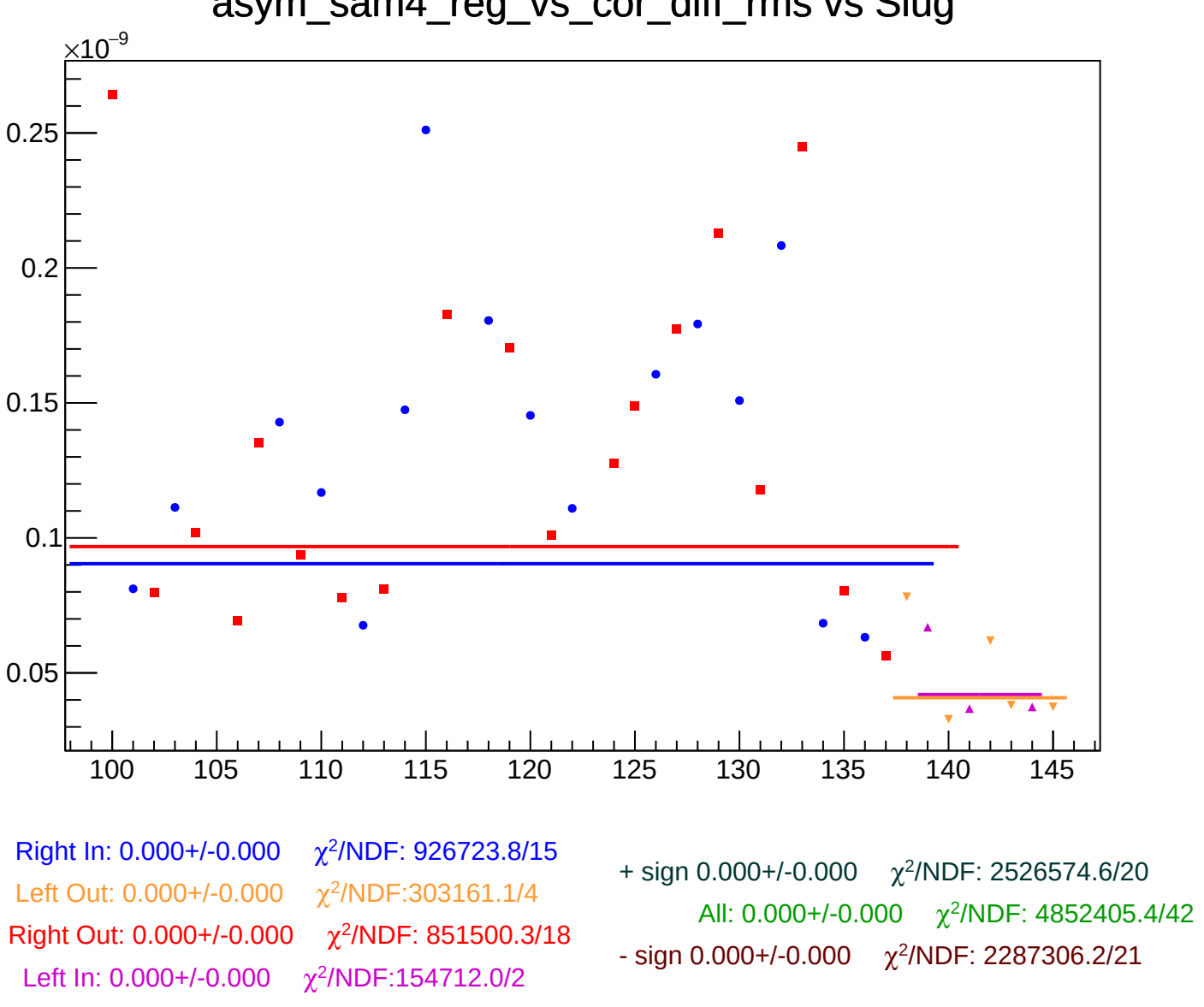
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

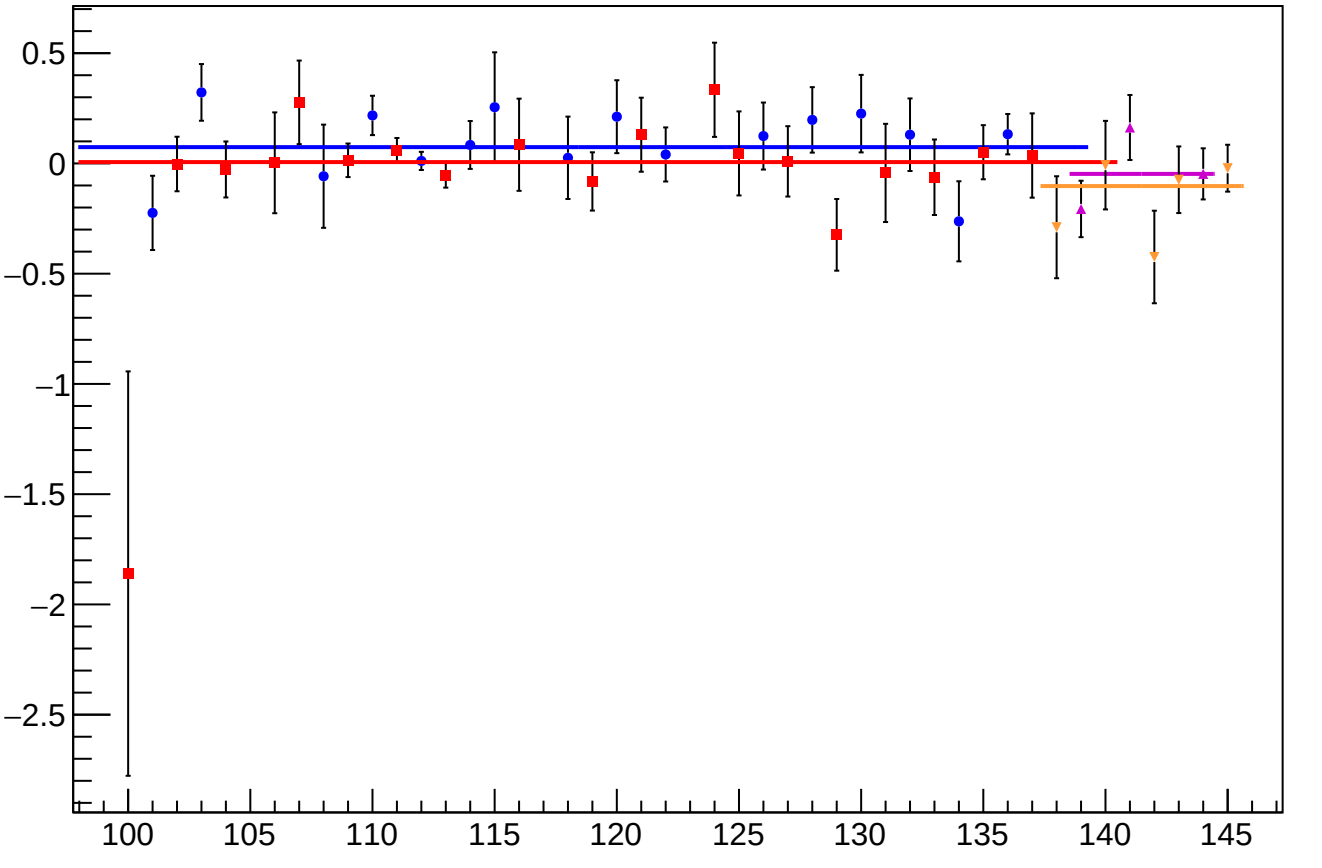
Left In: 0.000+/-0.000 χ^2/NDF:1.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 12.5/20

All: 0.000+/-0.000 χ^2/NDF: 37.1/42

- sign 0.000+/-0.000 χ^2/NDF: 24.5/21


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
105
110
115
120
125
130
135
140
145
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:154712.0/2
+ sign 0.000+/-0.000 χ²/NDF: 2526574.6/20
All: 0.000+/-0.000 χ²/NDF: 4852405.4/42
- sign 0.000+/-0.000 χ²/NDF: 2287306.2/21



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

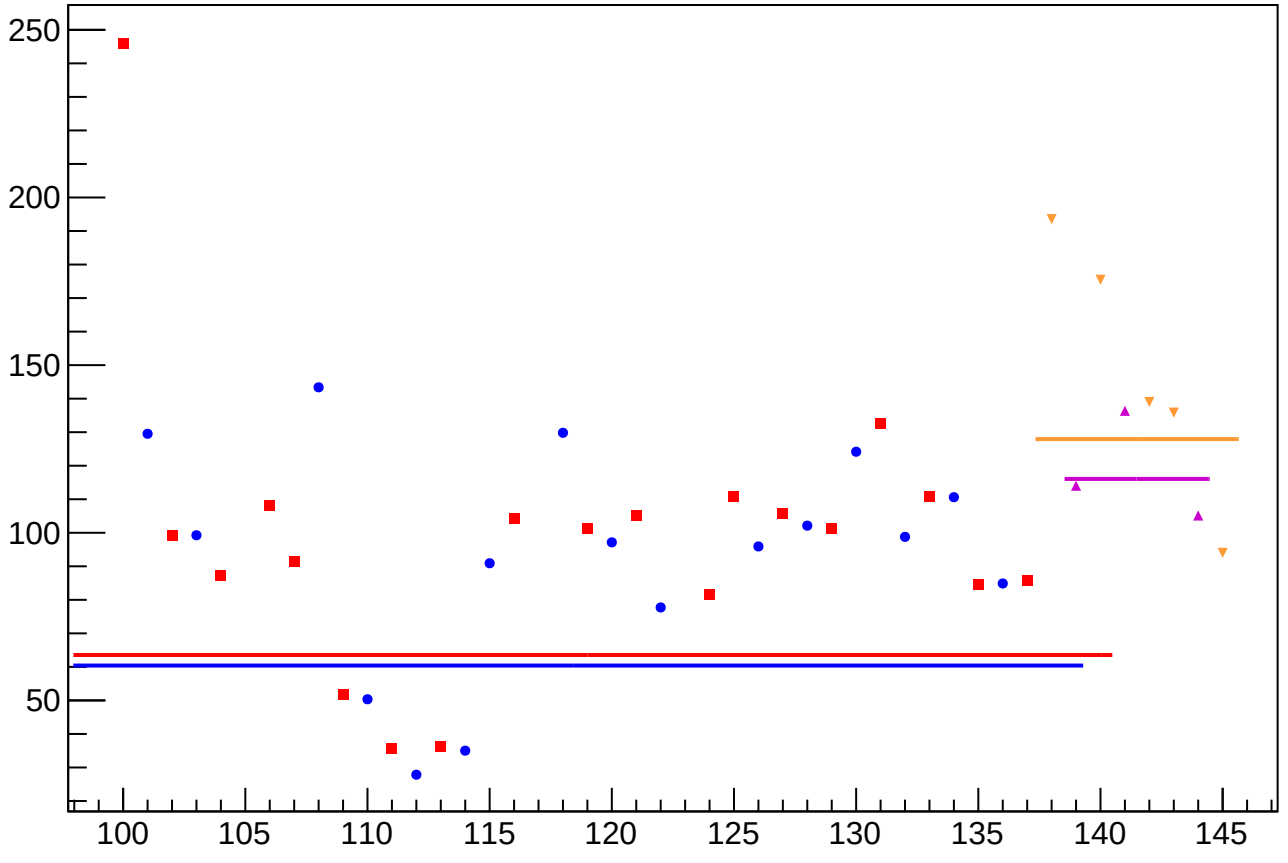
Left In: -0.048+/-0.074 χ^2/NDF:3.6/2

+ sign 0.052+/-0.025 χ^2/NDF: 28.2/20

All: 0.026+/-0.018 χ^2/NDF: 50.8/42

- sign -0.000+/-0.025 χ^2/NDF: 20.5/21

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

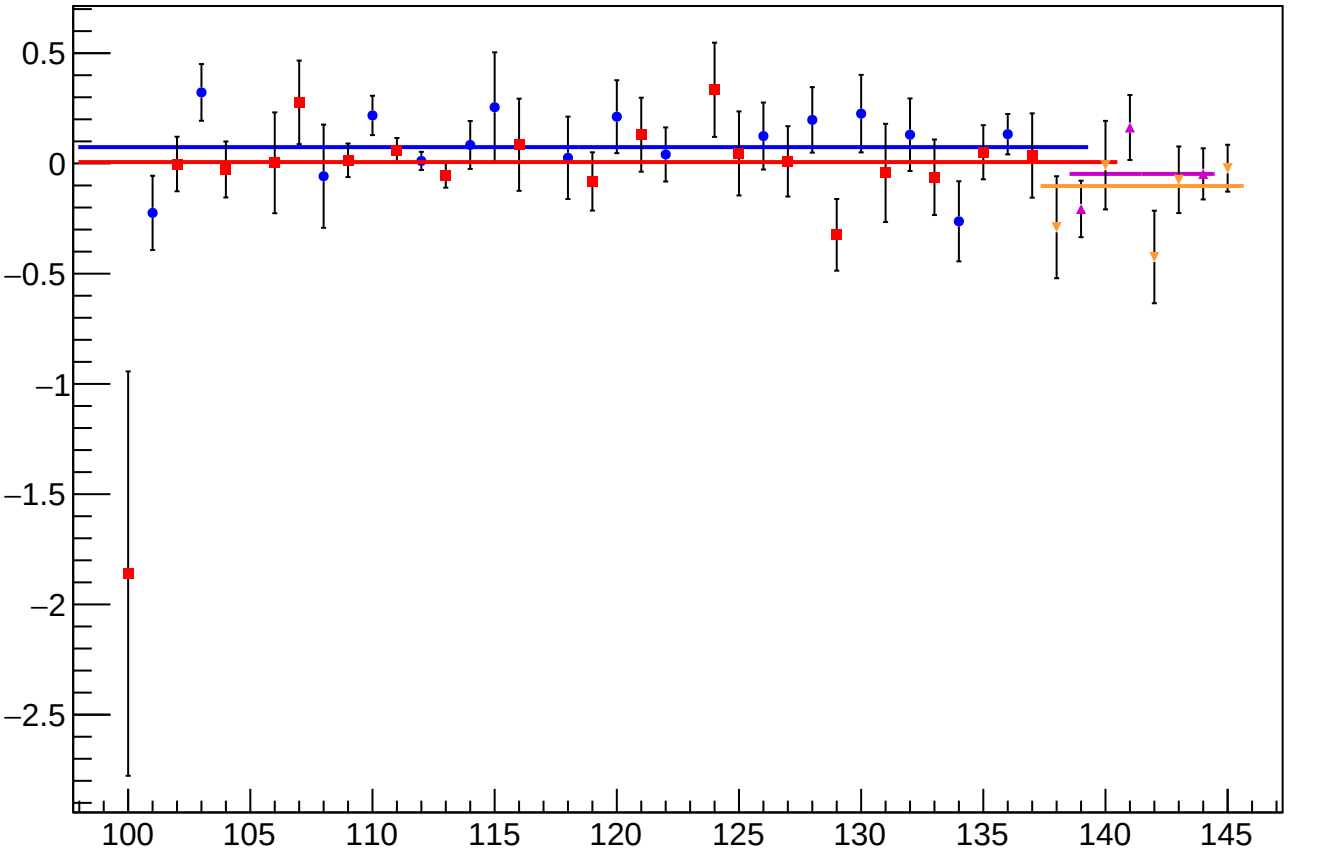
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.060+/-0.052 χ^2/NDF:56204.0/2

\+ sign 68.947+/-0.018 χ^2/NDF: 5607956.2/20

All: 69.283+/-0.013 χ^2/NDF: 9204376.3/42

\- sign 69.619+/-0.018 χ^2/NDF: 3595710.6/21



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

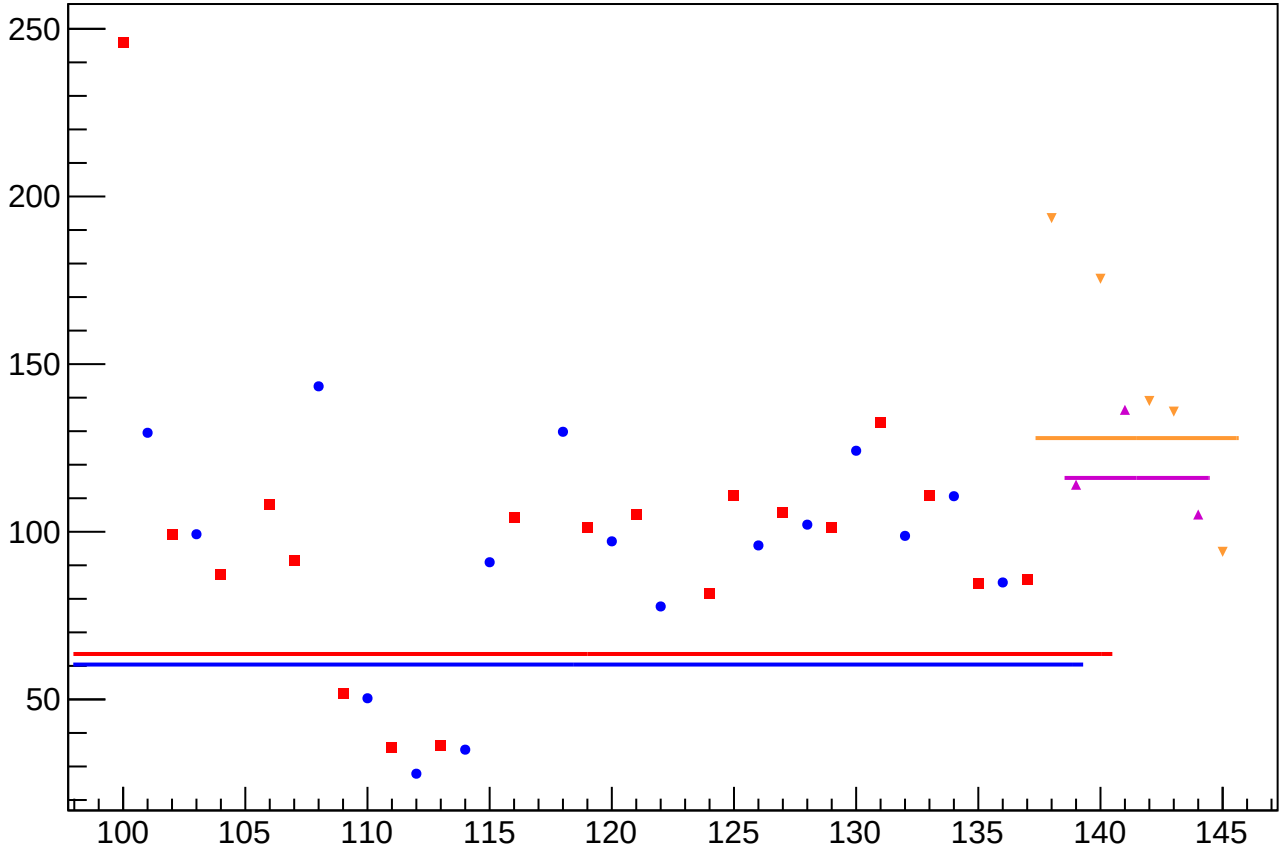
Left In: -0.048+/-0.074 χ^2/NDF:3.6/2

+ sign 0.052+/-0.025 χ^2/NDF: 28.2/20

All: 0.026+/-0.018 χ^2/NDF: 50.8/42

- sign -0.000+/-0.025 χ^2/NDF: 20.5/21

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

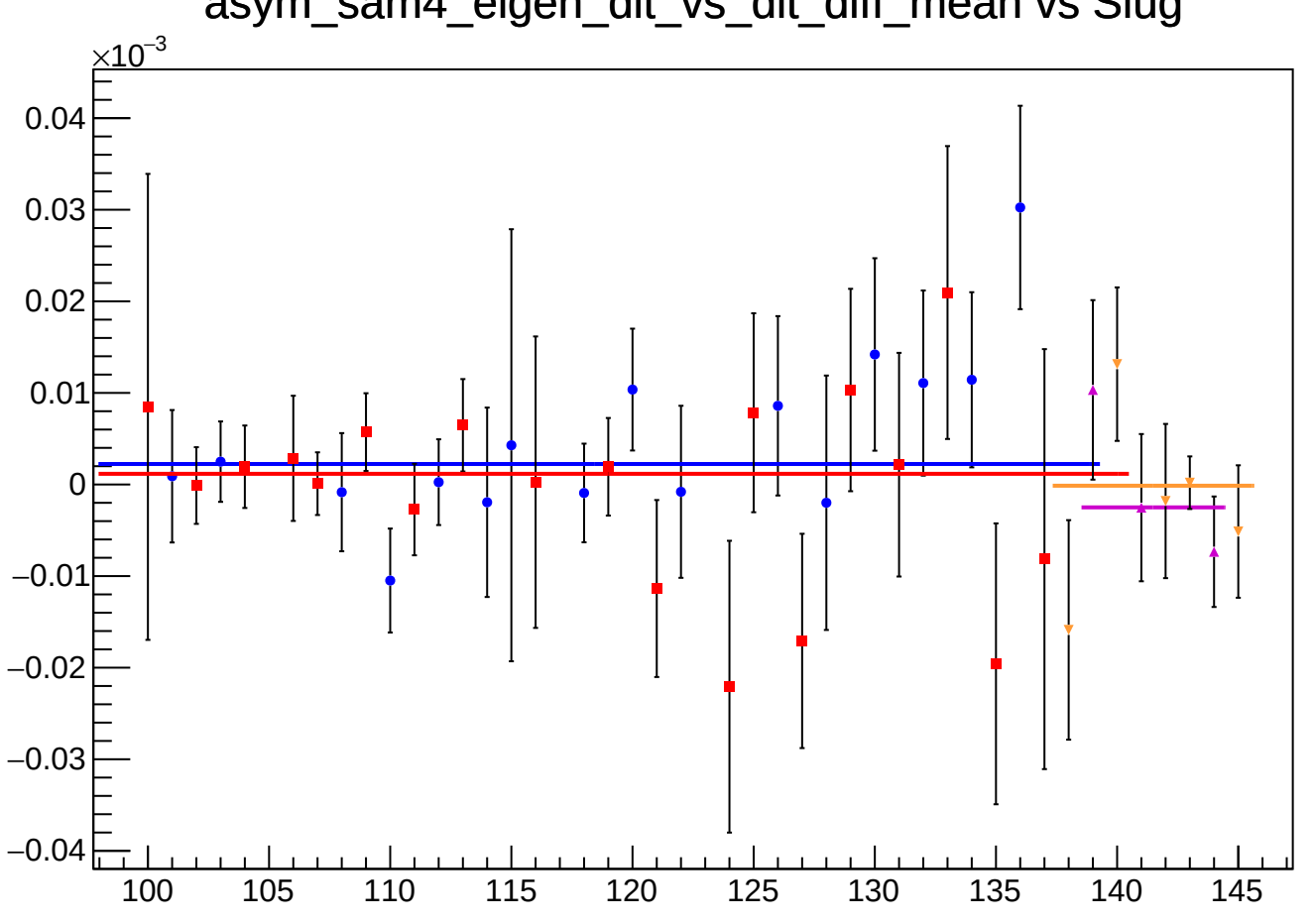
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.060+/-0.052 χ^2/NDF:56204.0/2

+ sign 68.947+/-0.018 χ^2/NDF: 5607956.2/20

All: 69.283+/-0.013 χ^2/NDF: 9204376.3/42

- sign 69.619+/-0.018 χ^2/NDF: 3595710.6/21



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

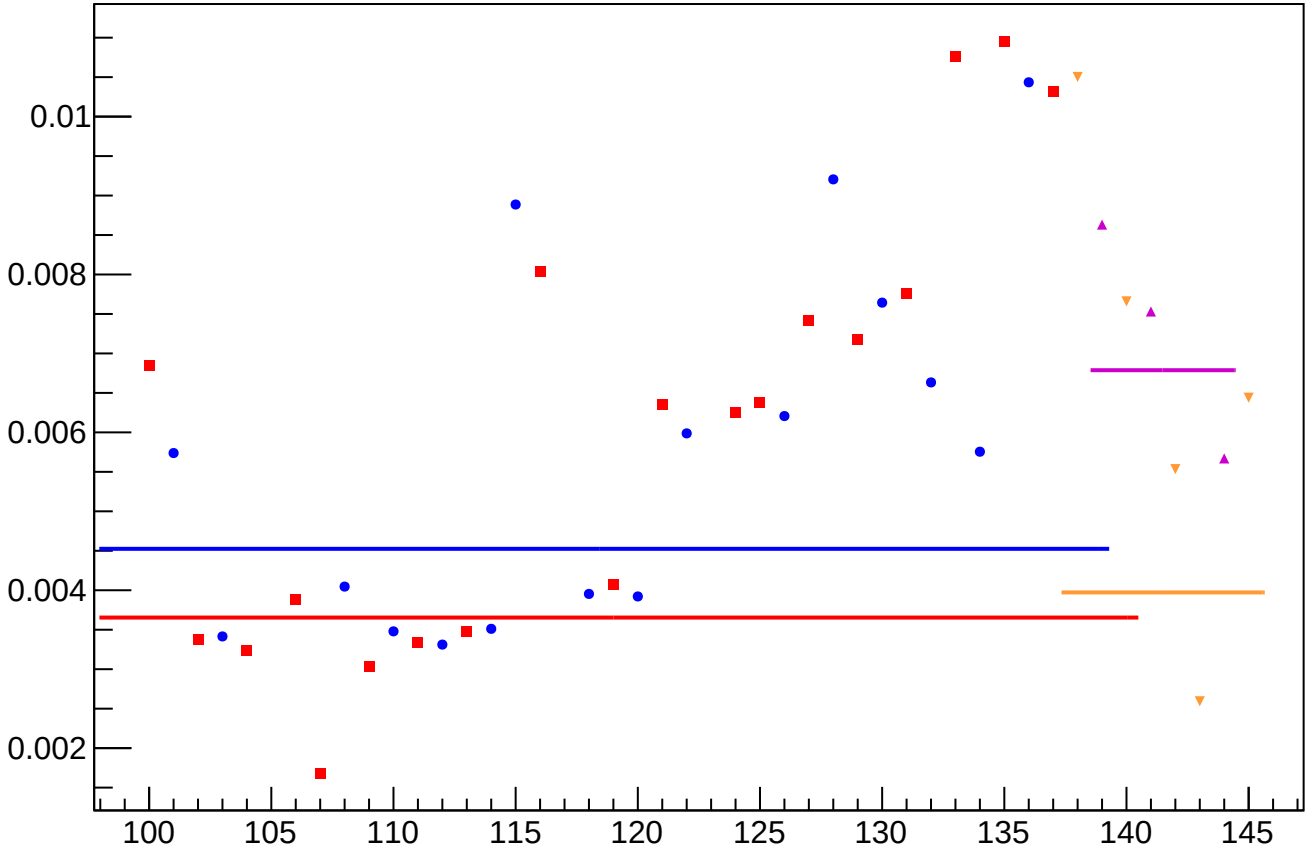
Left In: -0.000+/-0.000 χ^2/NDF:2.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/20

All: 0.000+/-0.000 χ^2/NDF: 40.0/42

- sign 0.000+/-0.000 χ^2/NDF: 17.1/21

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

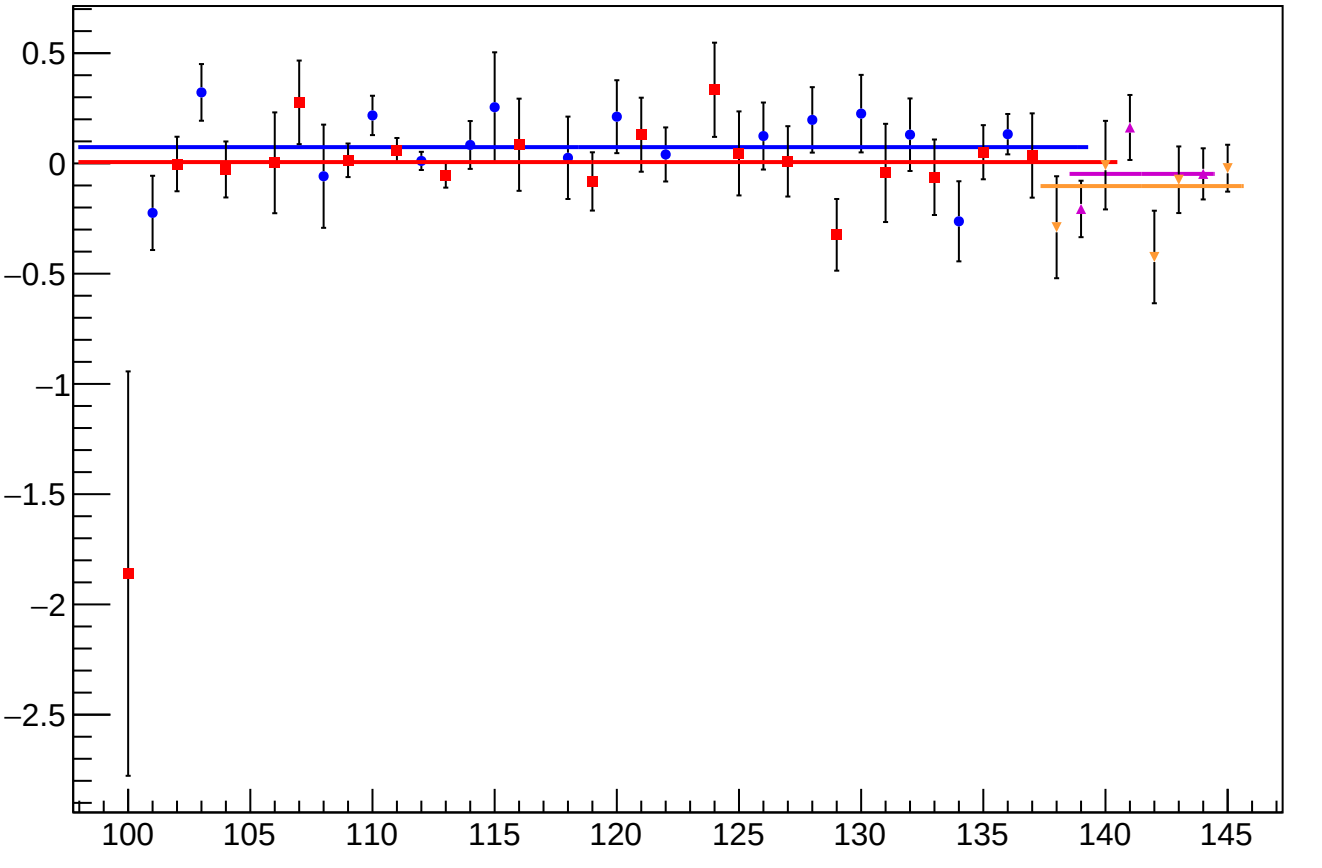
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.007+/-0.000 χ^2/NDF:156655.3/2

+ sign 0.004+/-0.000 χ^2/NDF: 3533175.2/20

All: 0.004+/-0.000 χ^2/NDF: 7613050.3/42

- sign 0.004+/-0.000 χ^2/NDF: 4025720.5/21



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

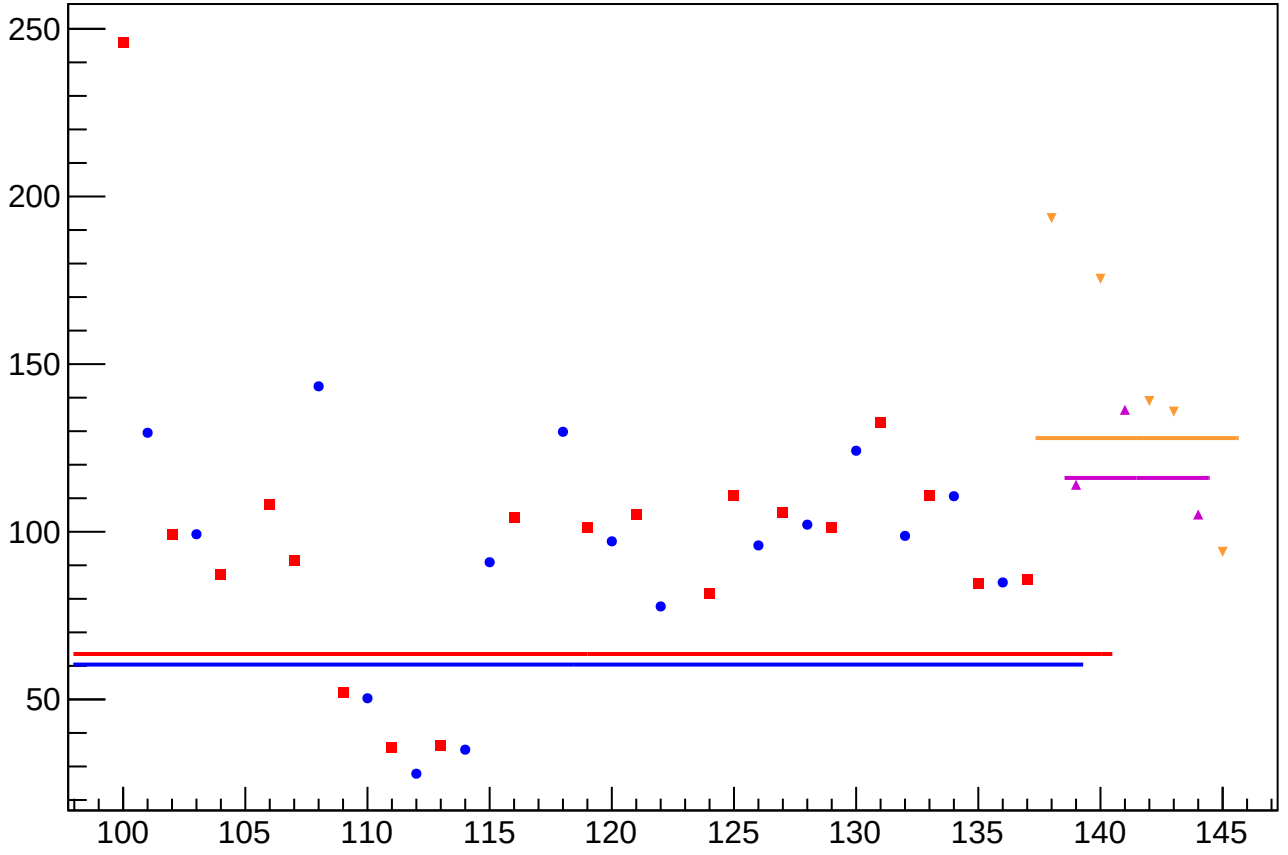
Left In: -0.048+/-0.074 χ^2/NDF:3.6/2

+ sign 0.052+/-0.025 χ^2/NDF: 28.2/20

All: 0.026+/-0.018 χ^2/NDF: 50.8/42

- sign -0.000+/-0.025 χ^2/NDF: 20.5/21

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

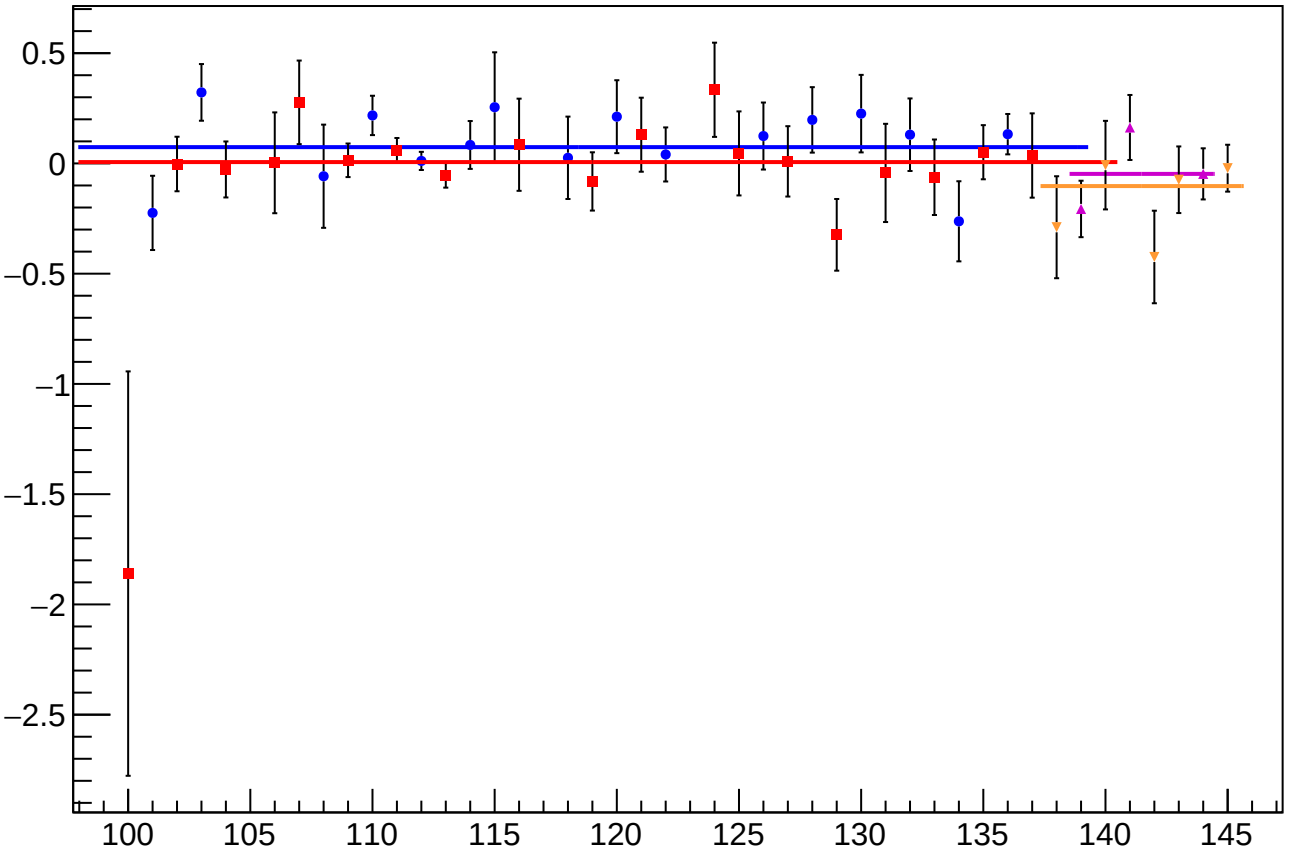
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.061+/-0.052 χ^2/NDF:56202.9/2

\+ sign 68.945+/-0.018 χ^2/NDF: 5608339.9/20

All: 69.281+/-0.013 χ^2/NDF: 9205106.4/42

\- sign 69.617+/-0.018 χ^2/NDF: 3596056.3/21



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

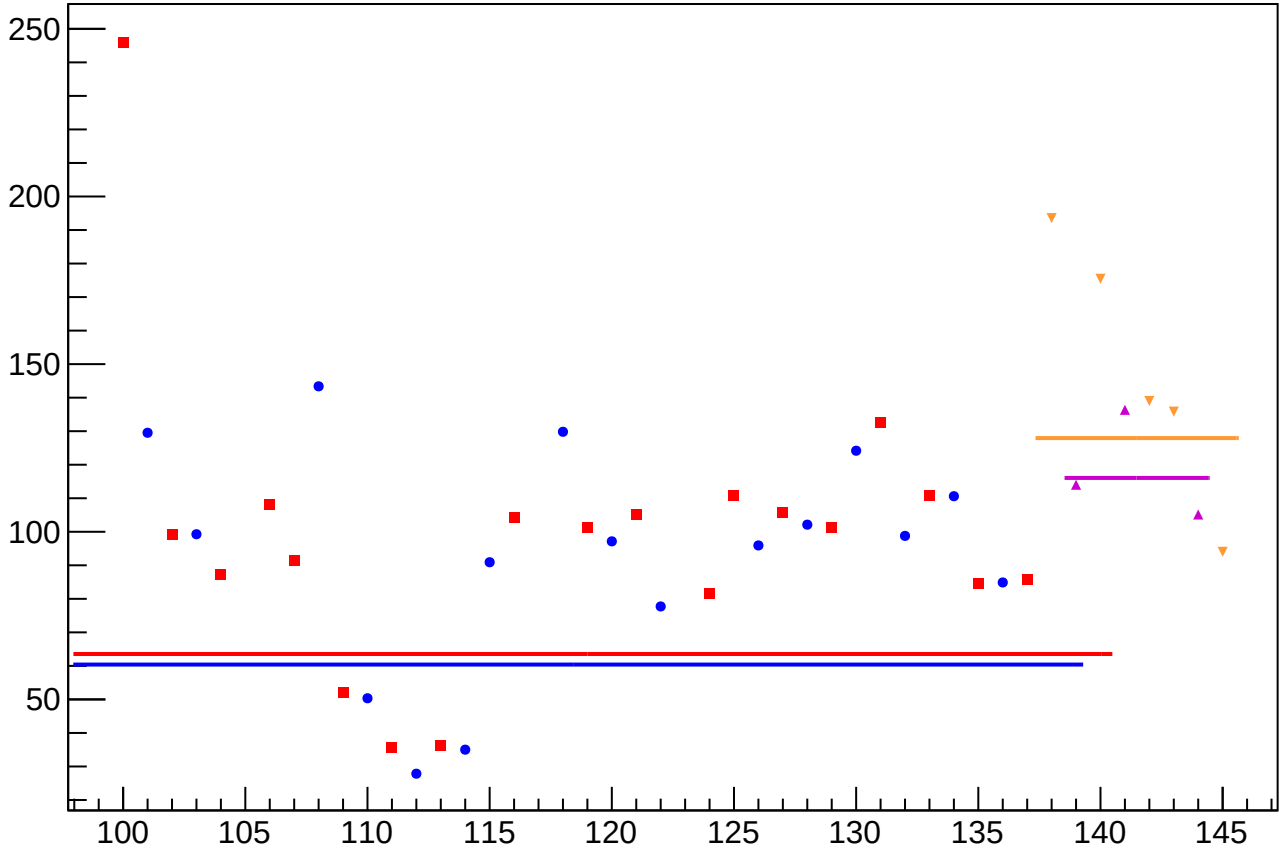
Left In: -0.048+/-0.074 χ^2/NDF:3.6/2

+ sign 0.052+/-0.025 χ^2/NDF: 28.2/20

All: 0.026+/-0.018 χ^2/NDF: 50.8/42

- sign -0.000+/-0.025 χ^2/NDF: 20.5/21

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.945+/-0.050 χ^2/NDF:487636.5/4

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

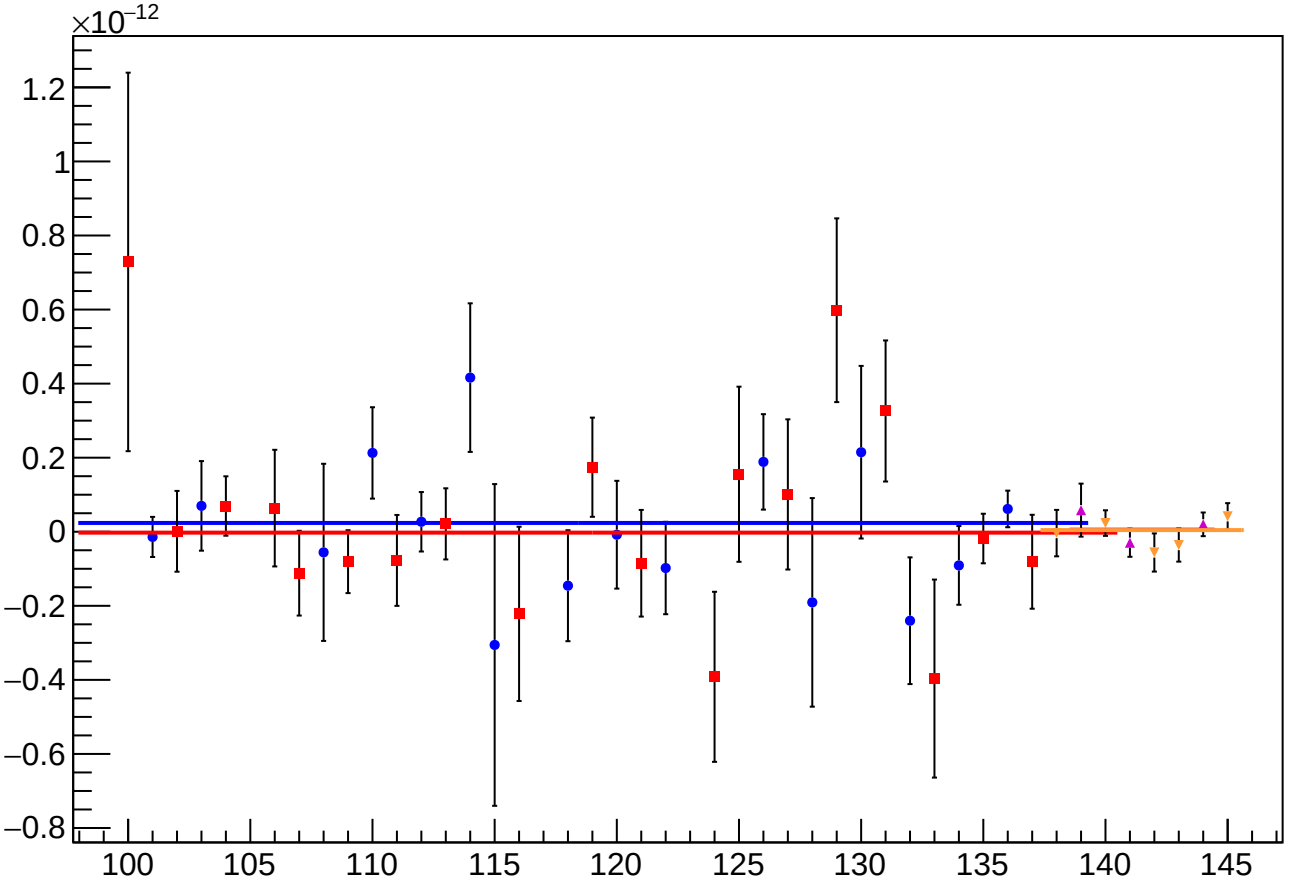
Left In: 116.061+/-0.052 χ^2/NDF:56202.9/2

+ sign 68.945+/-0.018 χ^2/NDF: 5608339.9/20

All: 69.281+/-0.013 χ^2/NDF: 9205106.4/42

- sign 69.617+/-0.018 χ^2/NDF: 3596056.3/21

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

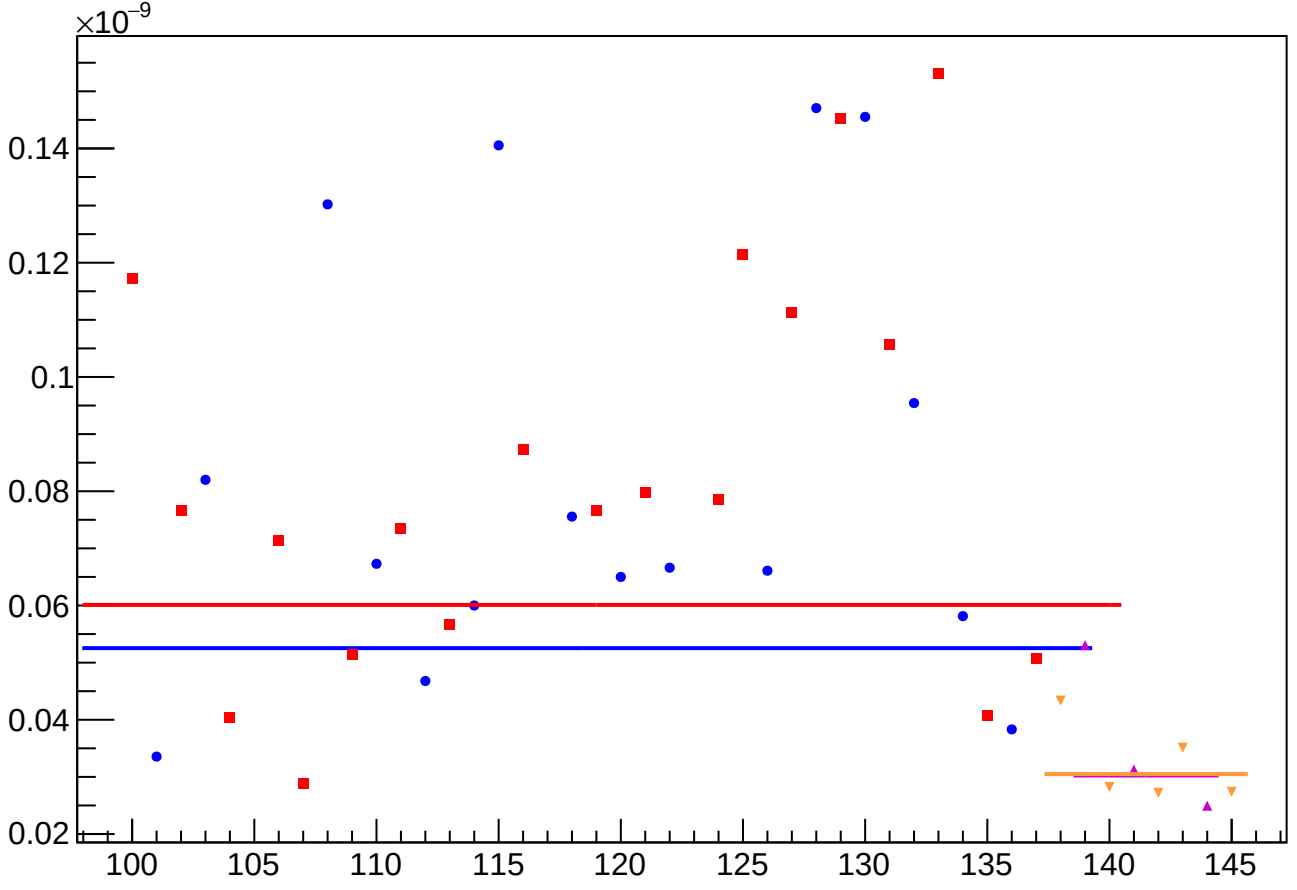
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 20.8/20

All: 0.000+/-0.000 χ^2/NDF: 45.7/42

- sign 0.000+/-0.000 χ^2/NDF: 24.8/21



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

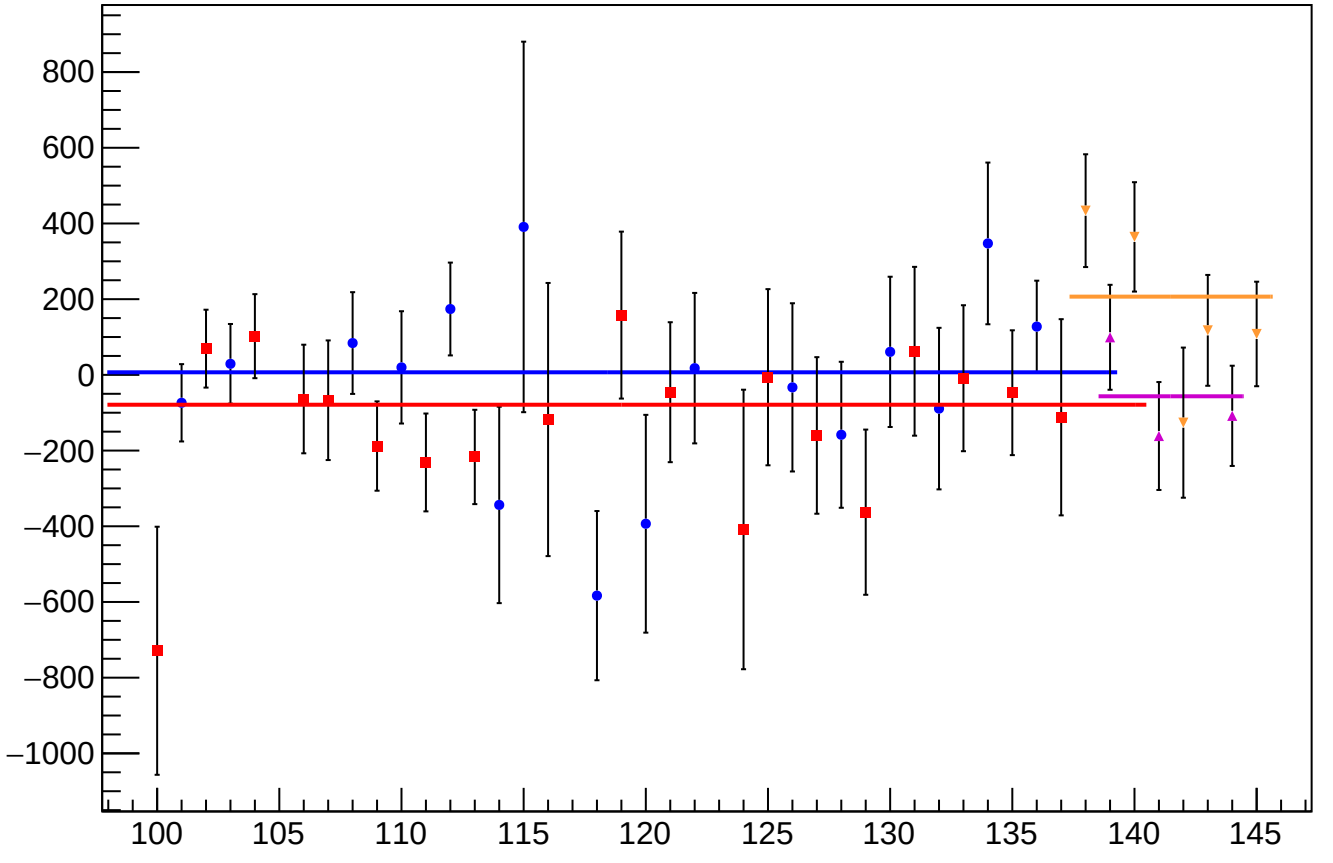
Left In: 0.000+/-0.000 χ^2/NDF:259343.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 2713530.5/20

All: 0.000+/-0.000 χ^2/NDF: 5866129.7/42

- sign 0.000+/-0.000 χ^2/NDF: 3101013.7/21

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

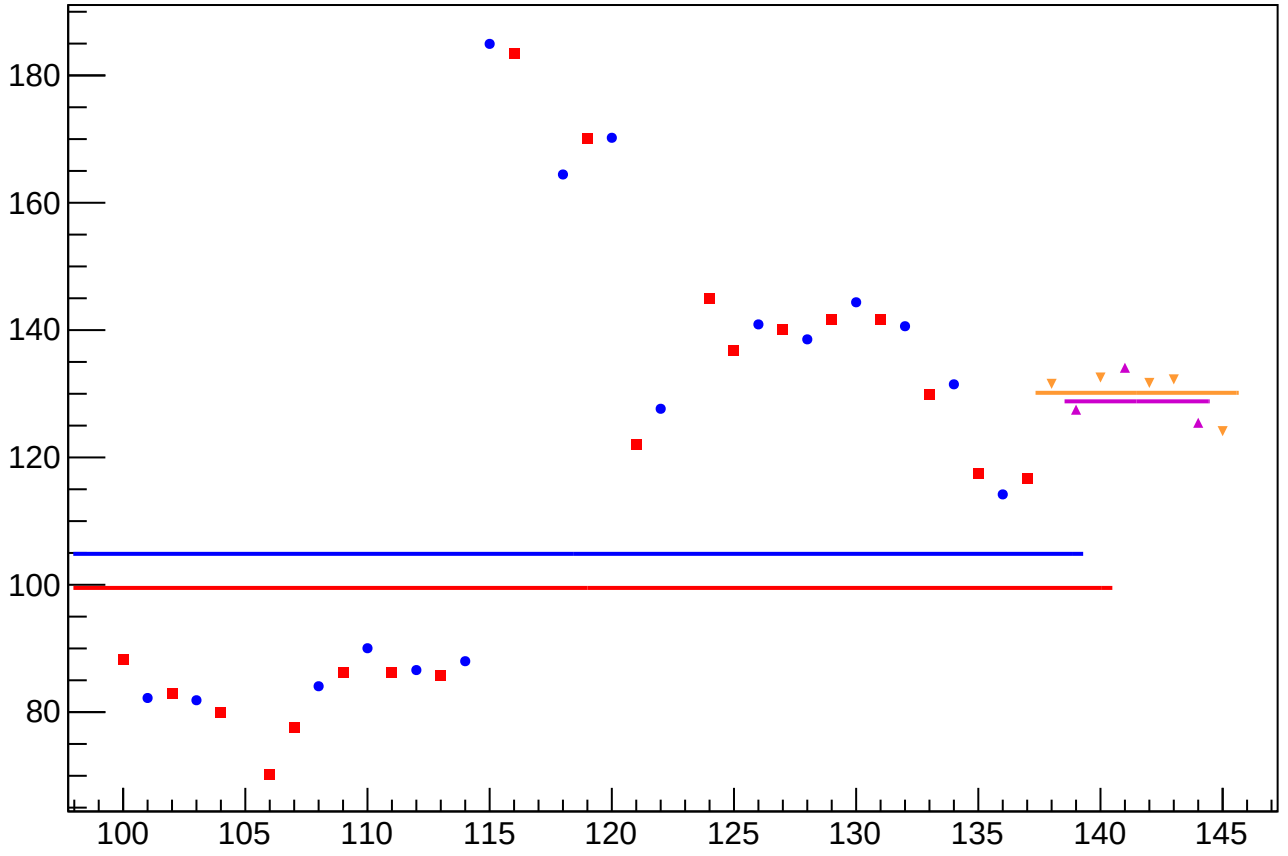
Left In: -56.575+/-79.488 χ^2/NDF:2.0/2

+ sign 59.081+/-34.678 χ^2/NDF: 32.4/20

All: -8.735+/-24.356 χ^2/NDF: 58.7/42

- sign -74.750+/-34.215 χ^2/NDF: 18.7/21

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

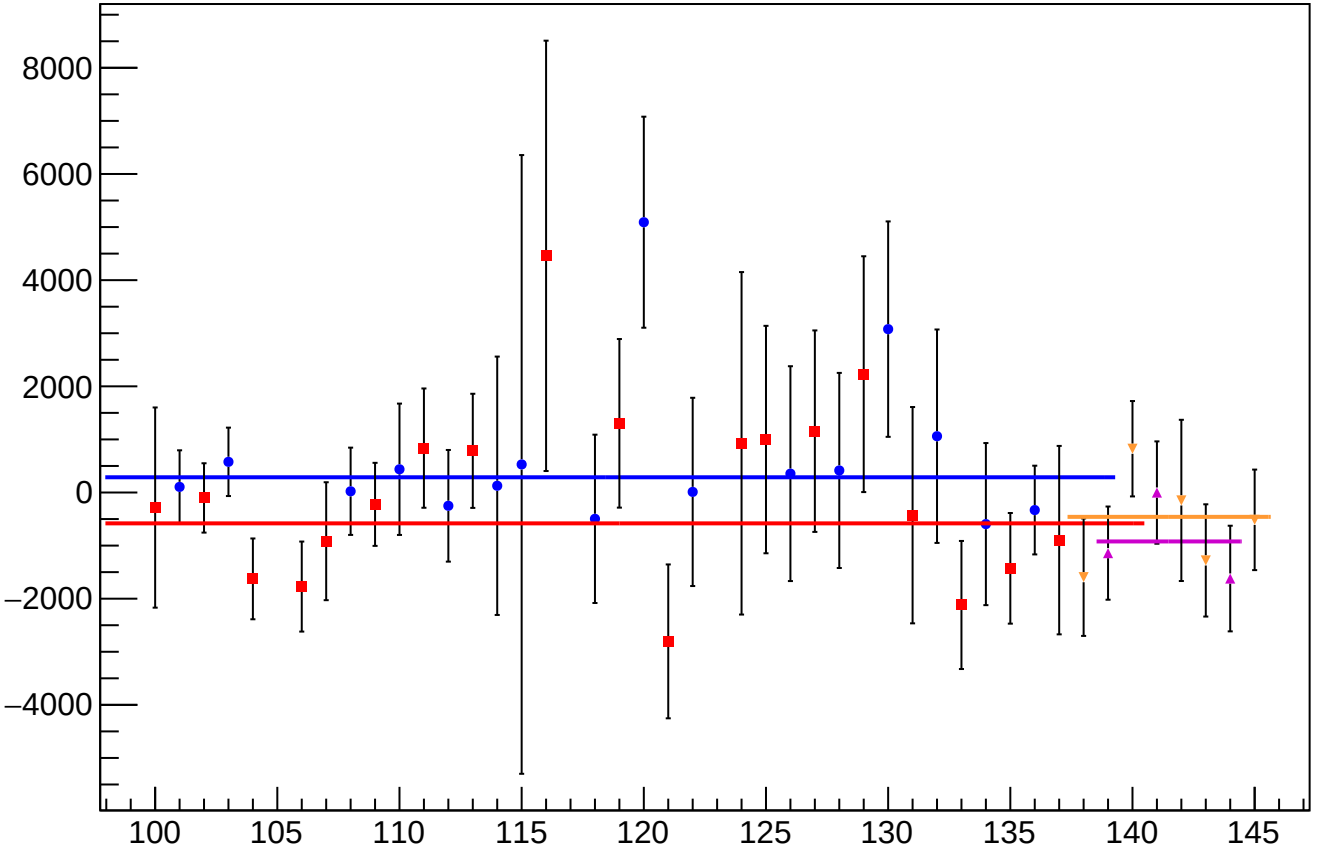
Left In: 128.810+/-0.056 χ^2/NDF:4209.5/2

+ sign 111.473+/-0.025 χ^2/NDF: 1141752.1/20

All: 108.161+/-0.017 χ^2/NDF: 2442436.3/42

- sign 104.937+/-0.024 χ^2/NDF: 1264675.8/21

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

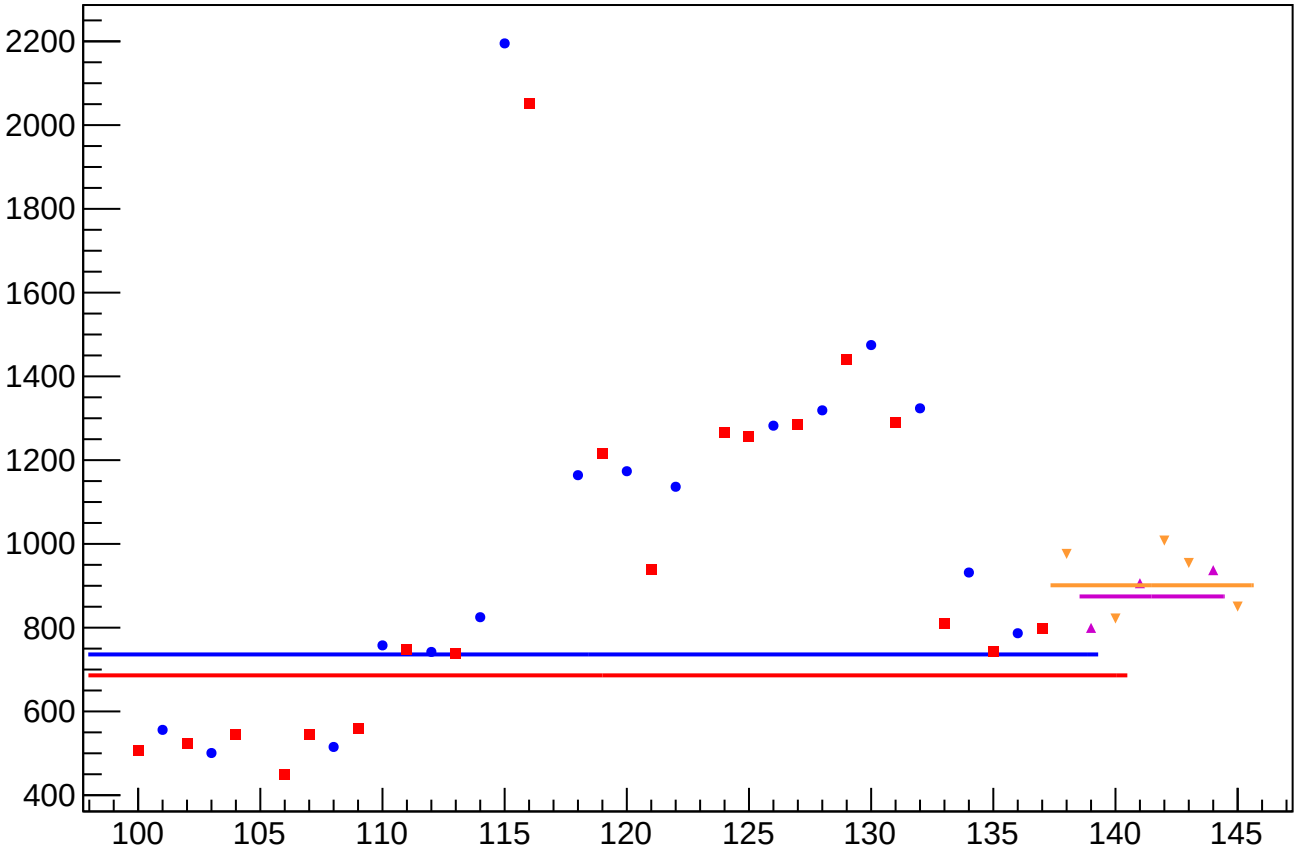
Left In: -921.892+/-543.531 χ^2/NDF:1.5/2

+ sign 78.677+/-249.141 χ^2/NDF: 15.2/20

All: -296.041+/-173.459 χ^2/NDF: 40.2/42

- sign -648.554+/-241.647 χ^2/NDF: 20.5/21

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

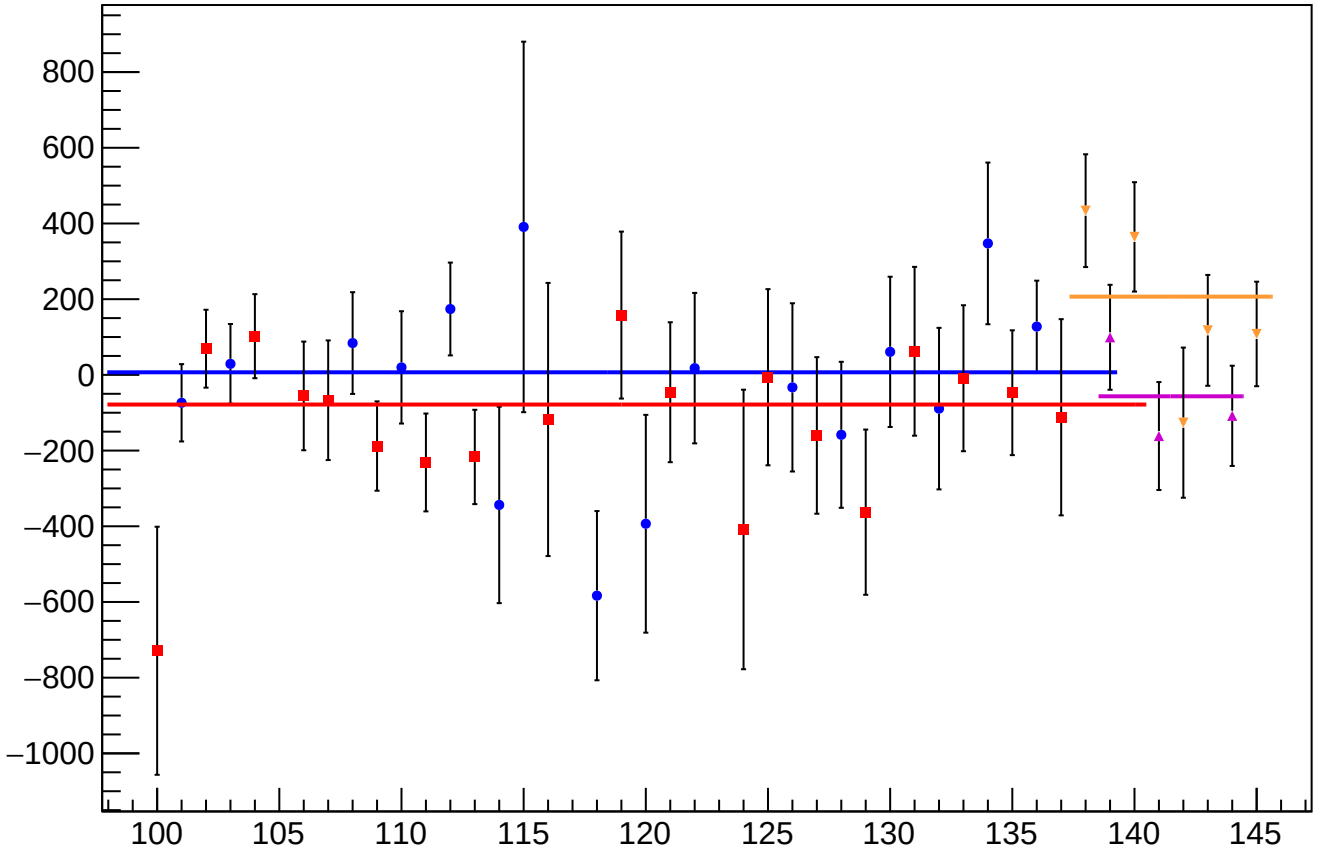
Left In: 874.569+/-0.384 χ^2/NDF:24723.6/2

+ sign 782.200+/-0.176 χ^2/NDF: 2066802.7/20

All: 751.881+/-0.123 χ^2/NDF: 4161105.8/42

- sign 723.359+/-0.171 χ^2/NDF: 2036821.7/21

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

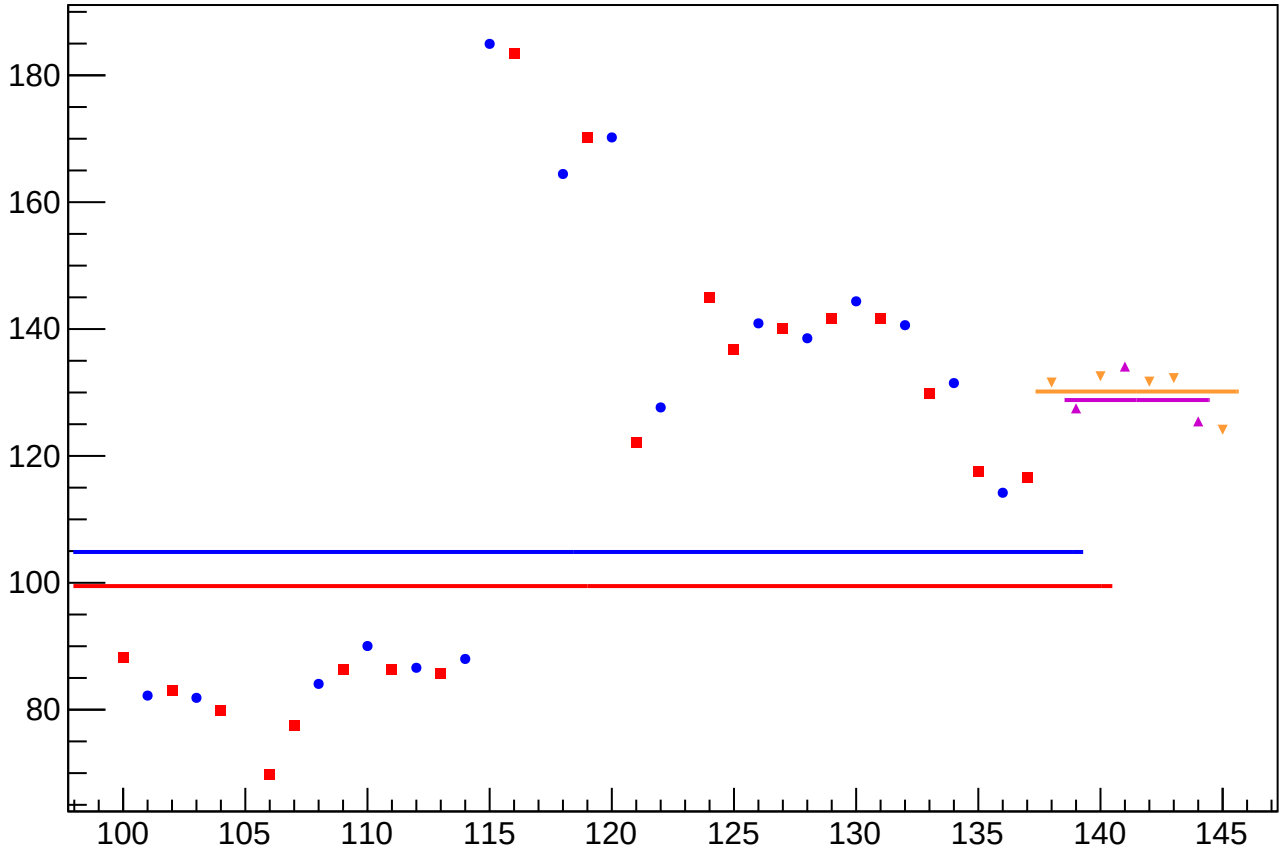
Left In: -56.578+/-79.488 χ^2/NDF:2.0/2

\+ sign 59.075+/-34.678 χ^2/NDF: 32.4/20

All: -8.513+/-24.356 χ^2/NDF: 58.6/42

\- sign -74.314+/-34.217 χ^2/NDF: 18.7/21

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

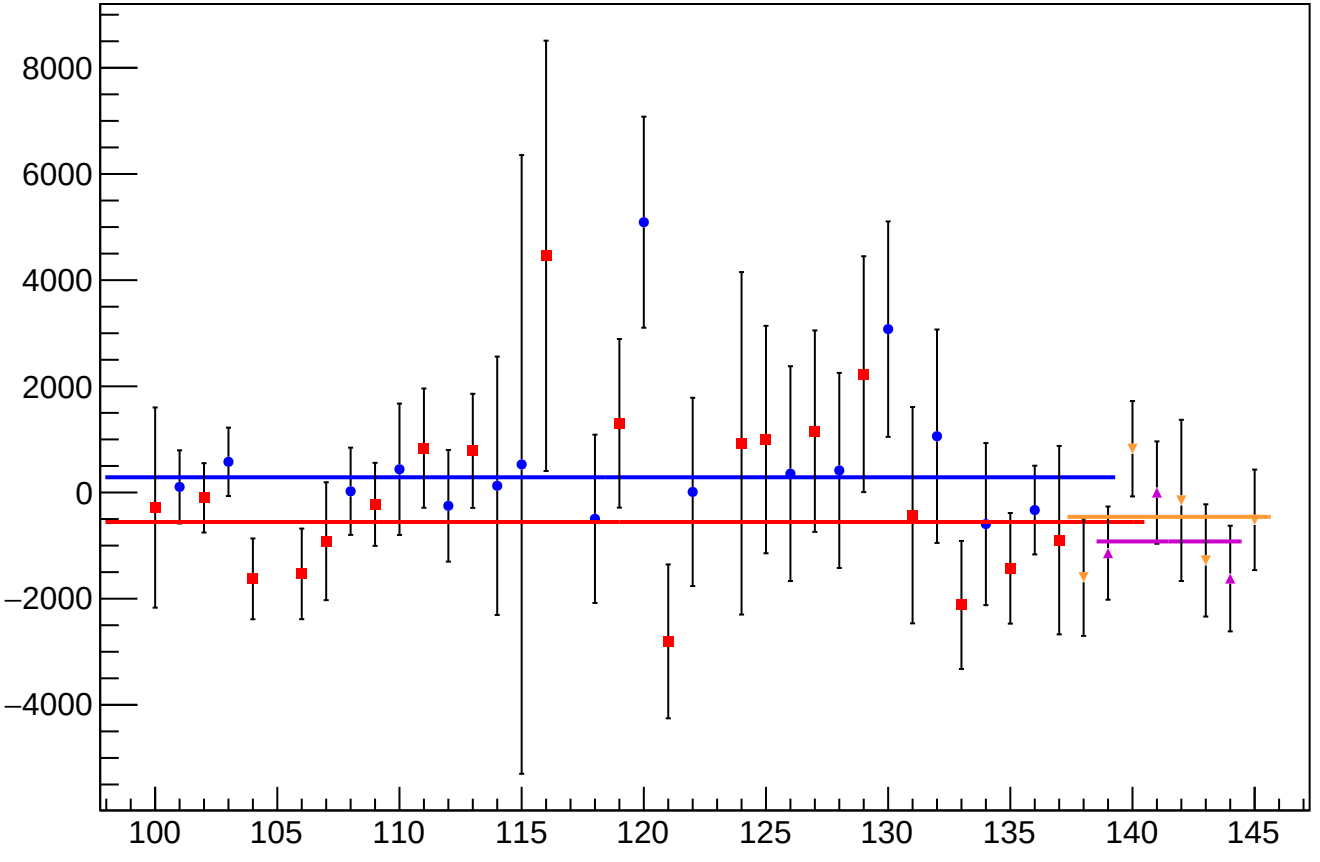
Left In: 128.810+/-0.056 χ^2/NDF:4209.5/2

+ sign 111.473+/-0.025 χ^2/NDF: 1141751.1/20

All: 108.152+/-0.017 χ^2/NDF: 2445183.4/42

- sign 104.918+/-0.024 χ^2/NDF: 1267218.1/21

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

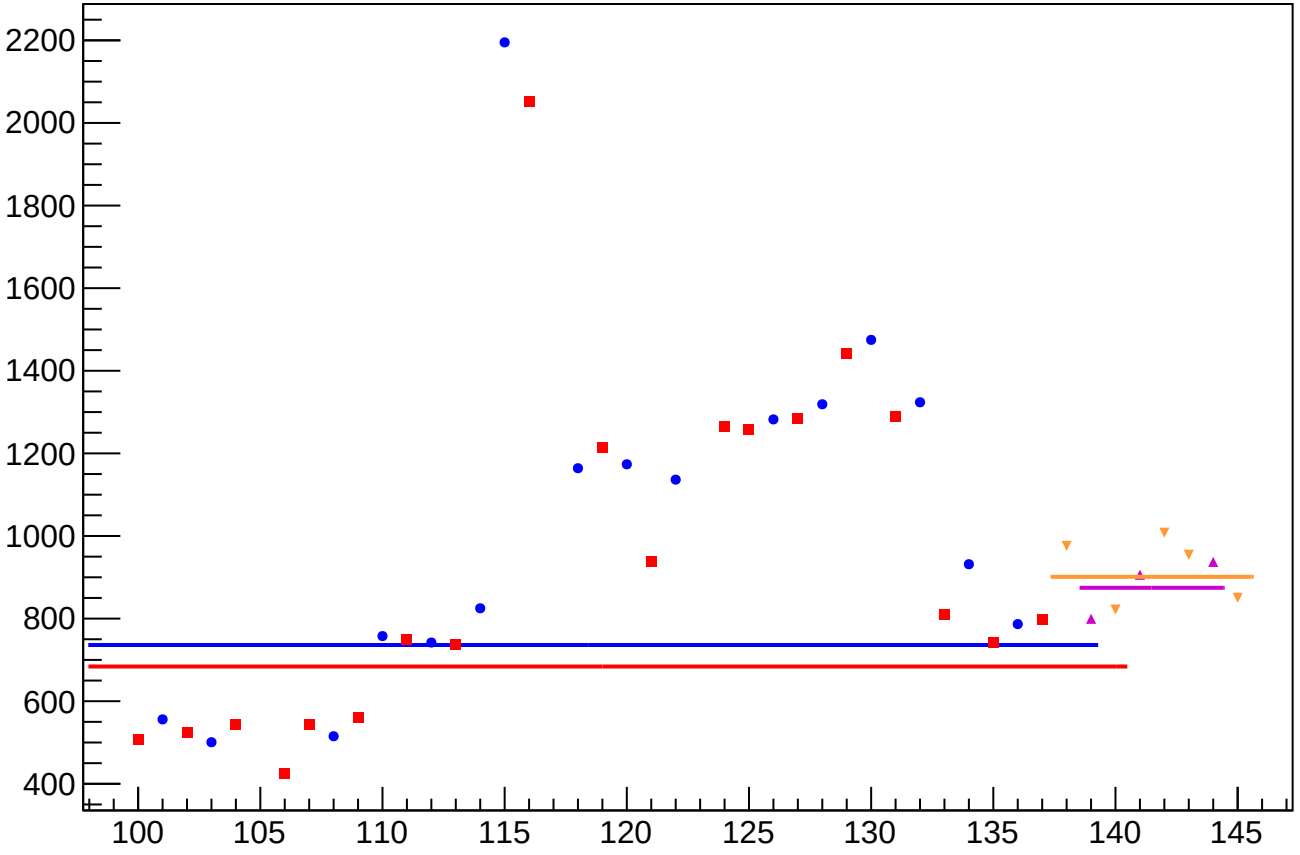
Left In: -921.883+/-543.531 χ^2/NDF:1.5/2

+ sign 78.682+/-249.141 χ^2/NDF: 15.2/20

All: -285.231+/-173.507 χ^2/NDF: 39.2/42

- sign -627.944+/-241.775 χ^2/NDF: 19.9/21

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

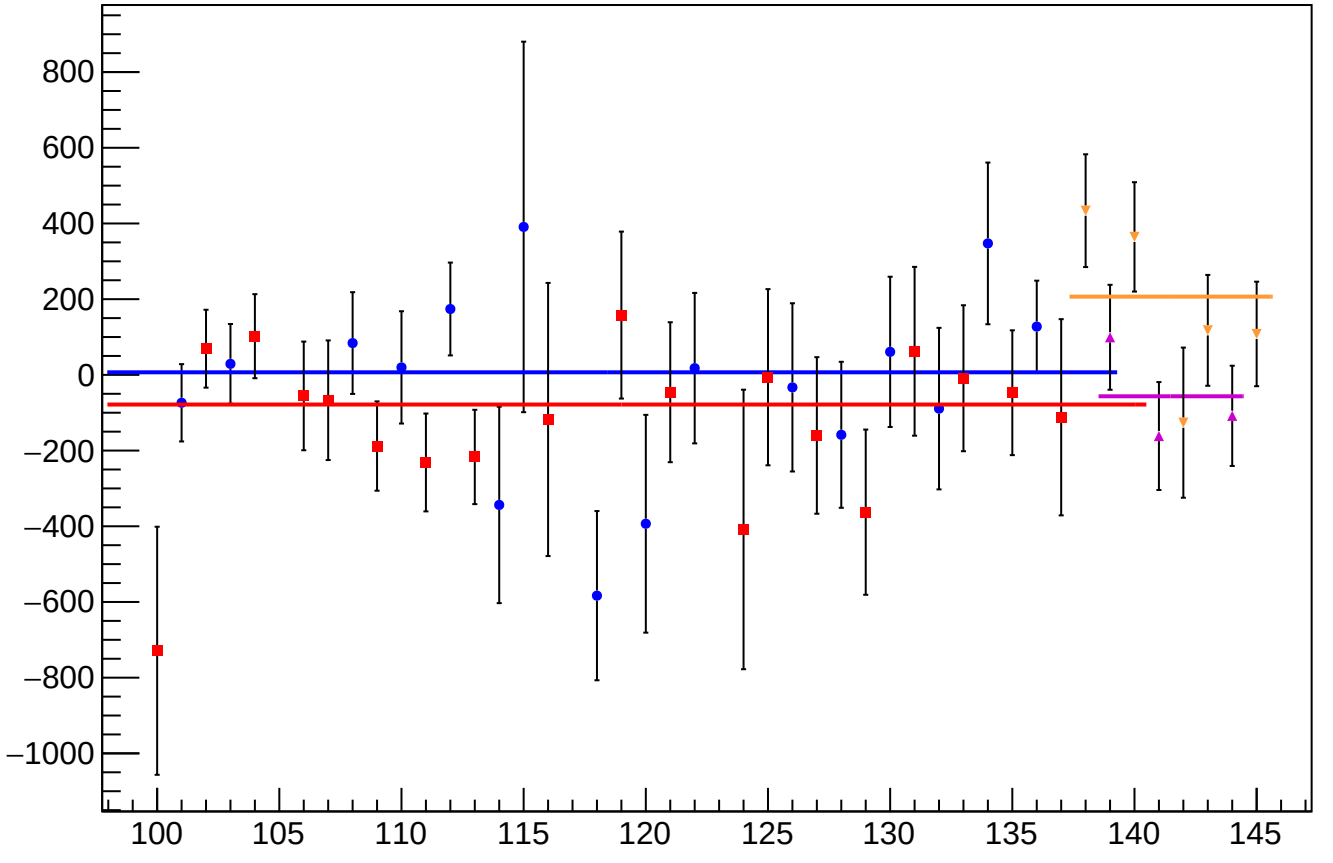
Left In: 874.569+/-0.384 χ^2/NDF:24723.8/2

+ sign 782.199+/-0.176 χ^2/NDF: 2066805.7/20

All: 751.038+/-0.123 χ^2/NDF: 4199935.3/42

- sign 721.692+/-0.171 χ^2/NDF: 2072377.0/21

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

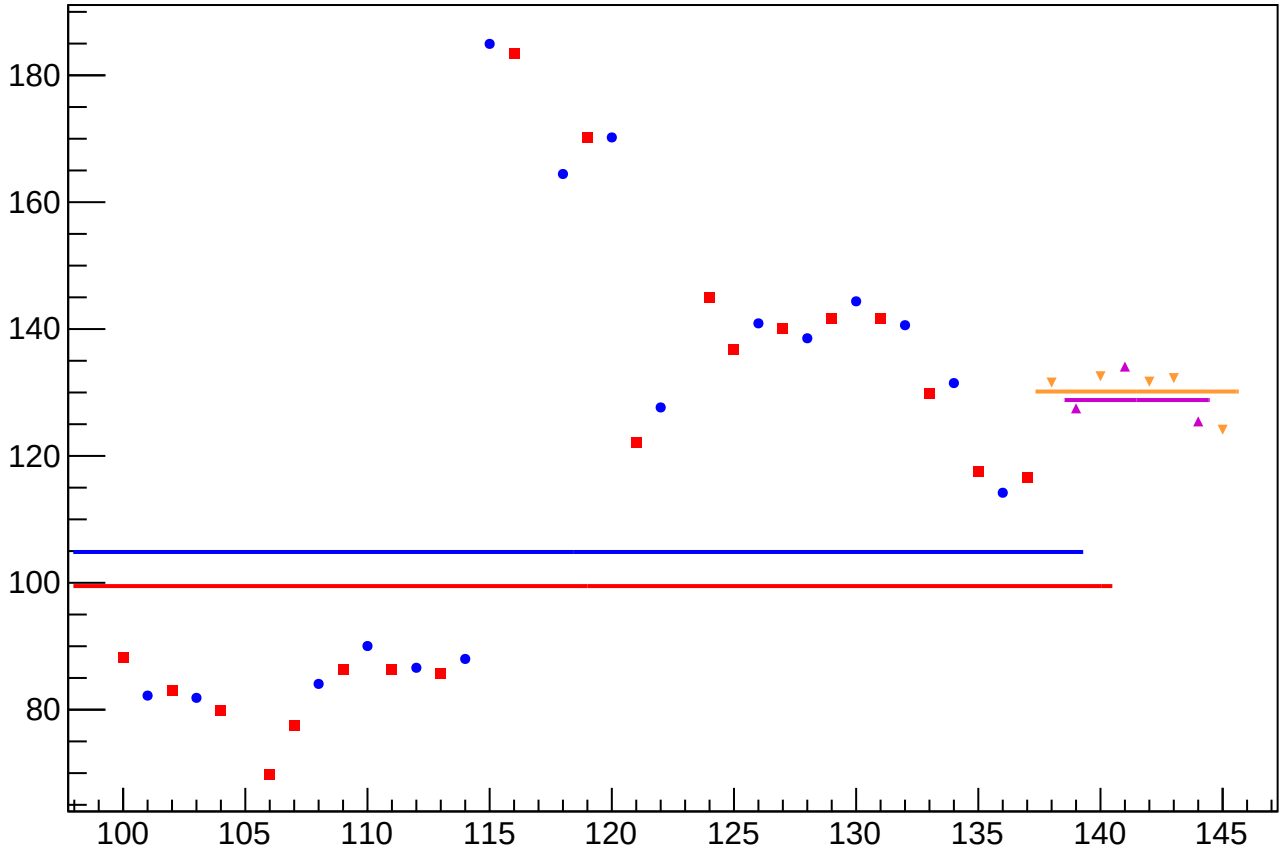
Left In: -56.578+/-79.488 χ^2/NDF:2.0/2

+ sign 59.075+/-34.678 χ^2/NDF: 32.4/20

All: -8.513+/-24.356 χ^2/NDF: 58.6/42

- sign -74.314+/-34.217 χ^2/NDF: 18.7/21

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

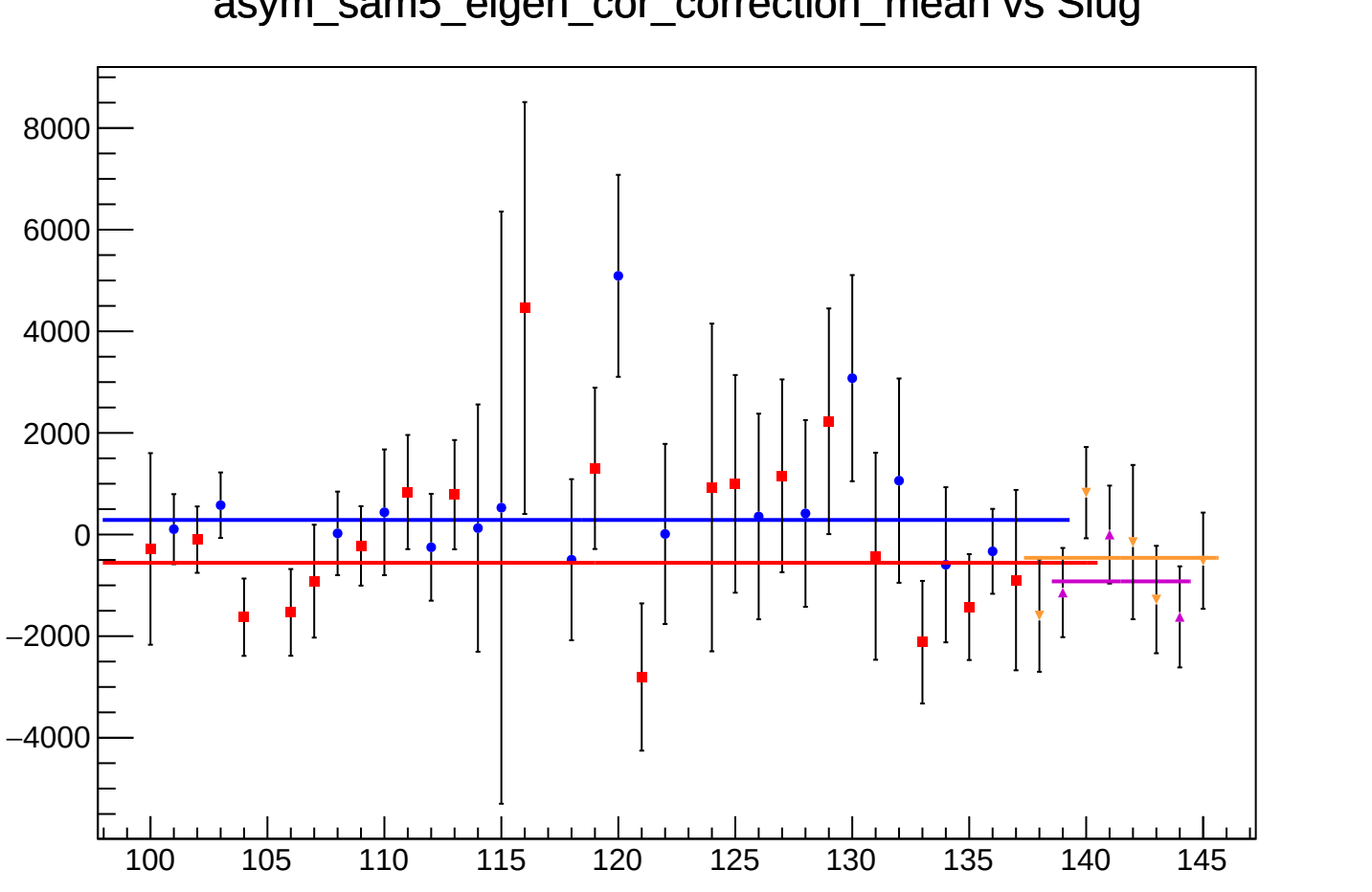
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 128.810+/-0.056 χ^2/NDF:4209.5/2

+ sign 111.473+/-0.025 χ^2/NDF: 1141751.1/20

All: 108.152+/-0.017 χ^2/NDF: 2445183.4/42

- sign 104.918+/-0.024 χ^2/NDF: 1267218.1/21



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

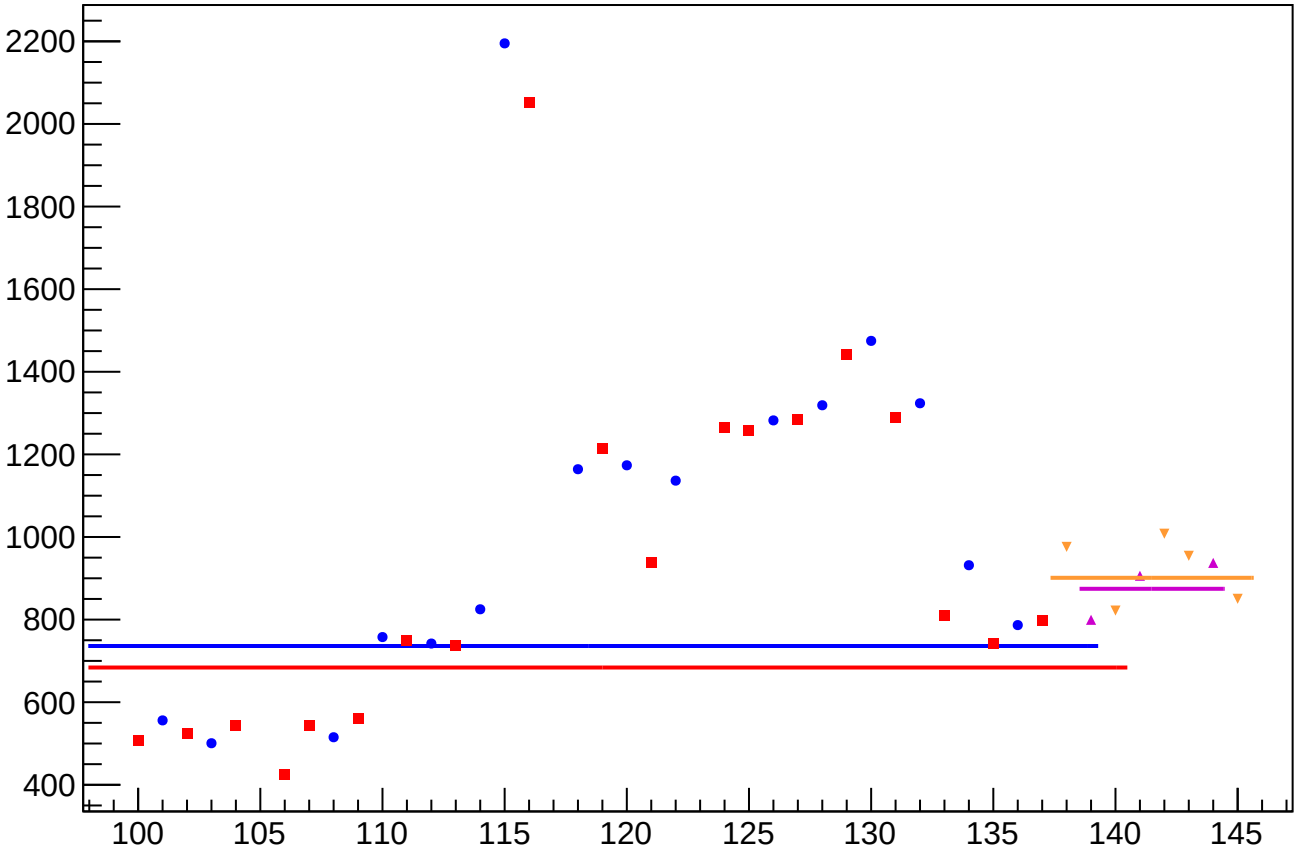
Left In: -921.883+/-543.531 χ^2/NDF:1.5/2

+ sign 78.682+/-249.141 χ^2/NDF: 15.2/20

All: -285.231+/-173.507 χ^2/NDF: 39.2/42

- sign -627.944+/-241.775 χ^2/NDF: 19.9/21

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

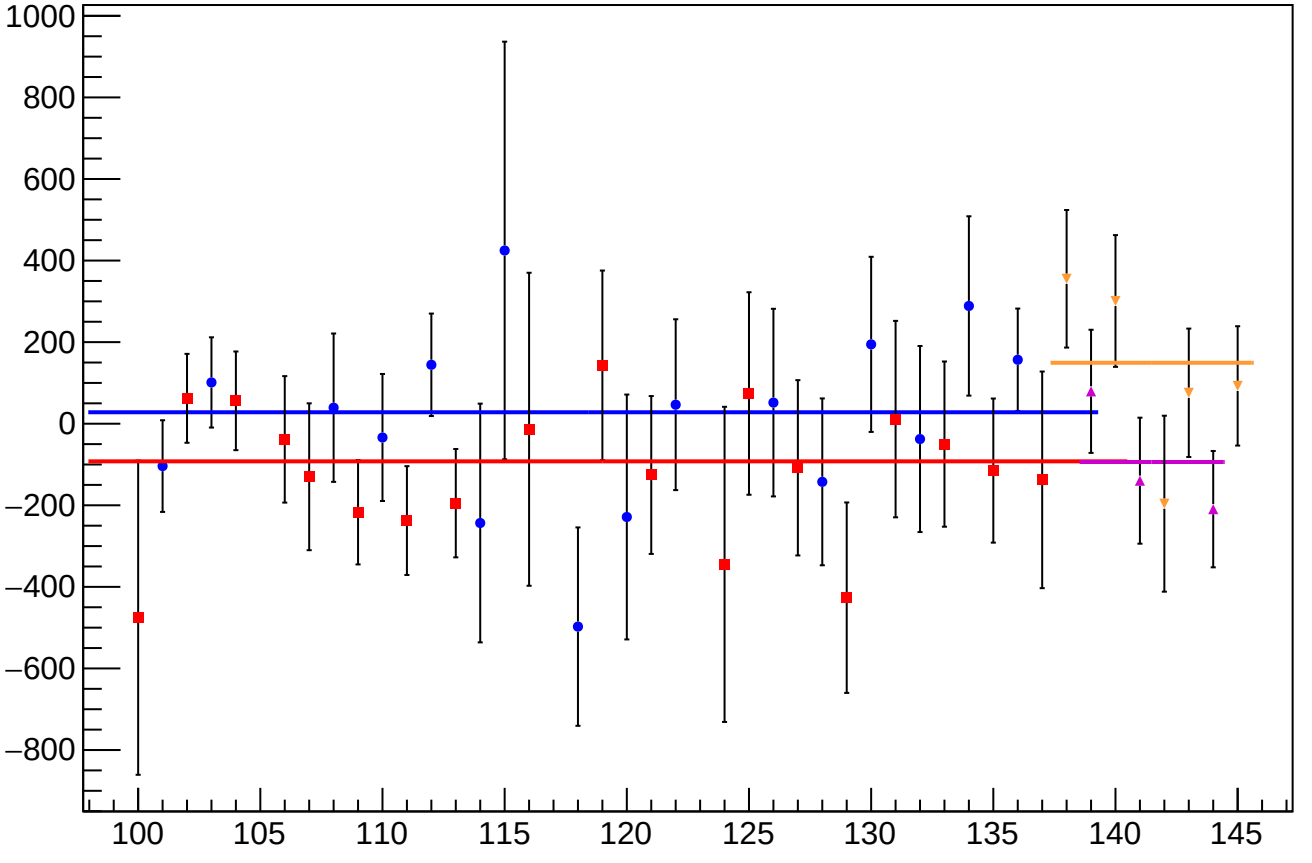
Left In: 874.569+/-0.384 χ^2/NDF:24723.8/2

+ sign 782.199+/-0.176 χ^2/NDF: 2066805.7/20

All: 751.038+/-0.123 χ^2/NDF: 4199935.3/42

- sign 721.692+/-0.171 χ^2/NDF: 2072377.0/21

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

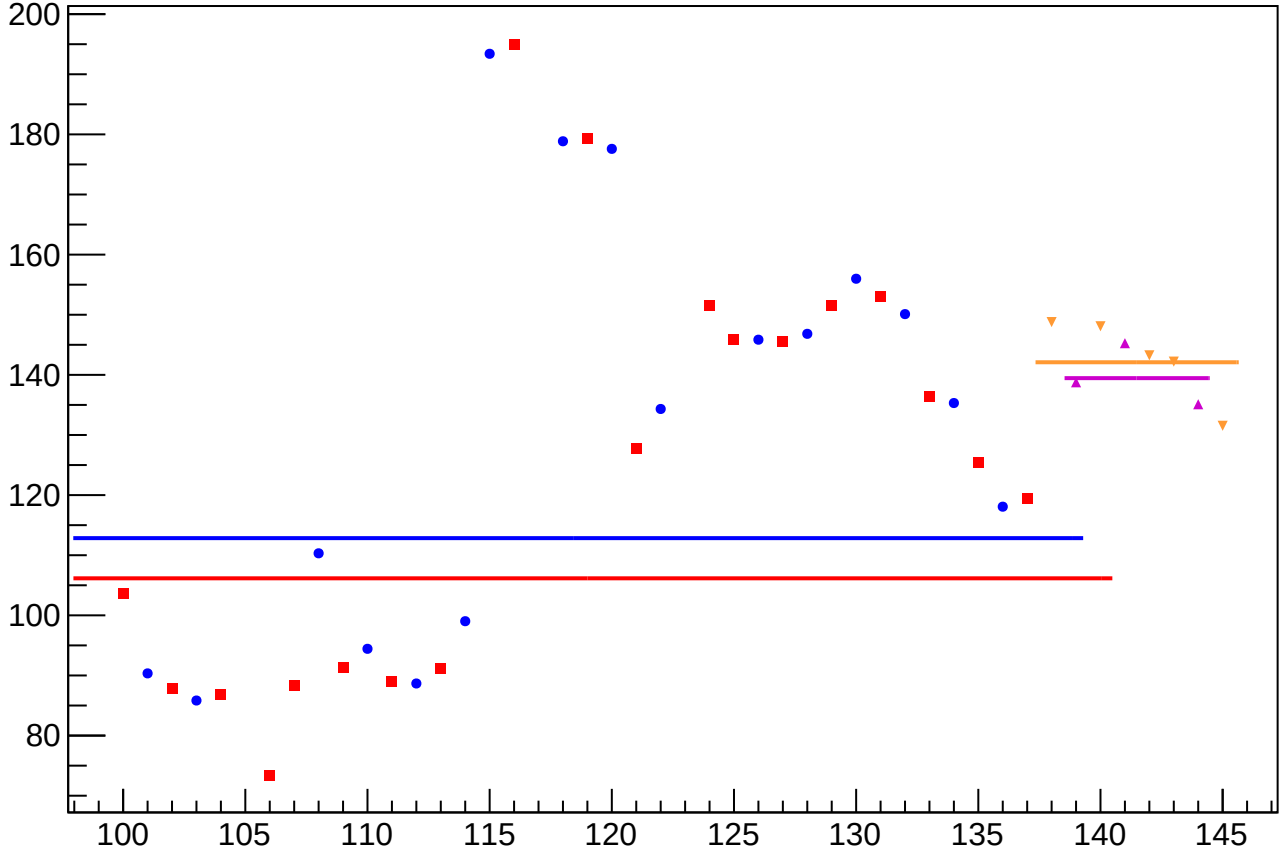
Left In: -93.848+/-86.081 χ^2/NDF:2.1/2

+ sign 59.116+/-37.476 χ^2/NDF: 20.9/20

All: -18.348+/-26.212 χ^2/NDF: 43.0/42

- sign -92.537+/-36.675 χ^2/NDF: 13.8/21

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

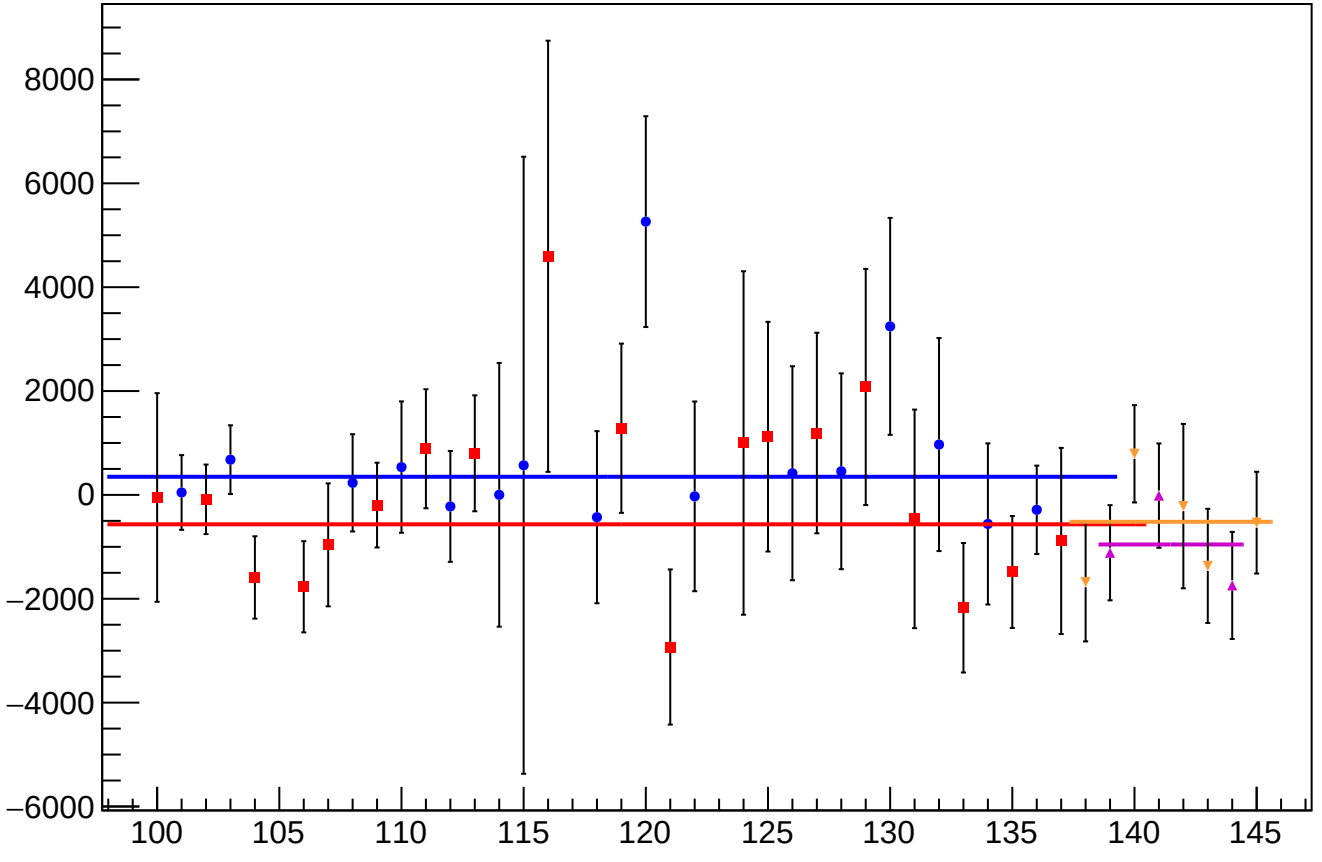
Left In: 139.455+/-0.061 χ^2/NDF:4727.2/2

+ sign 120.323+/-0.026 χ^2/NDF: 1120534.6/20

All: 116.175+/-0.019 χ^2/NDF: 2420285.3/42

- sign 112.203+/-0.026 χ^2/NDF: 1251789.0/21

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

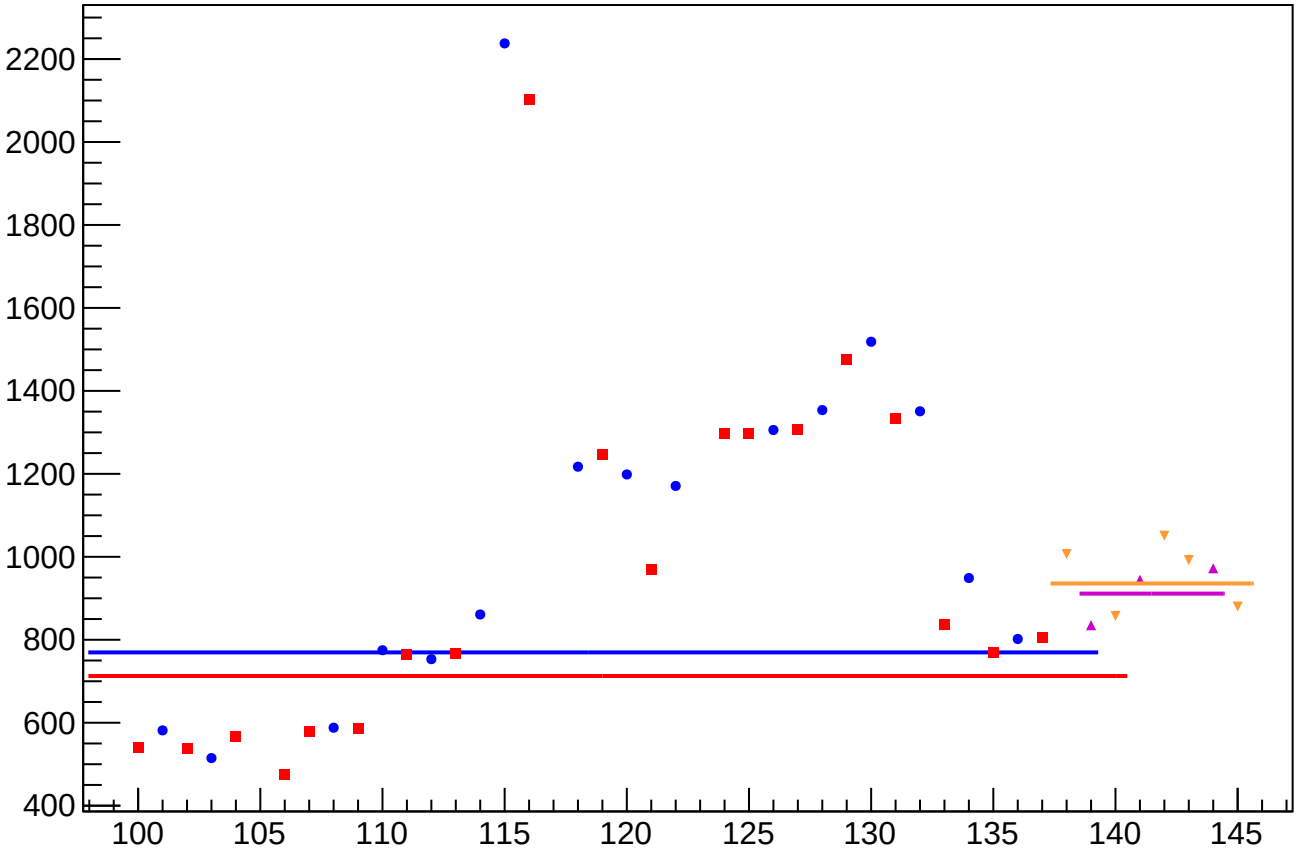
Left In: -954.543+/-565.898 χ^2/NDF:1.5/2

\+ sign 106.131+/-259.034 χ^2/NDF: 15.7/20

All: -280.663+/-180.034 χ^2/NDF: 40.2/42

\- sign -642.093+/-250.397 χ^2/NDF: 20.2/21

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

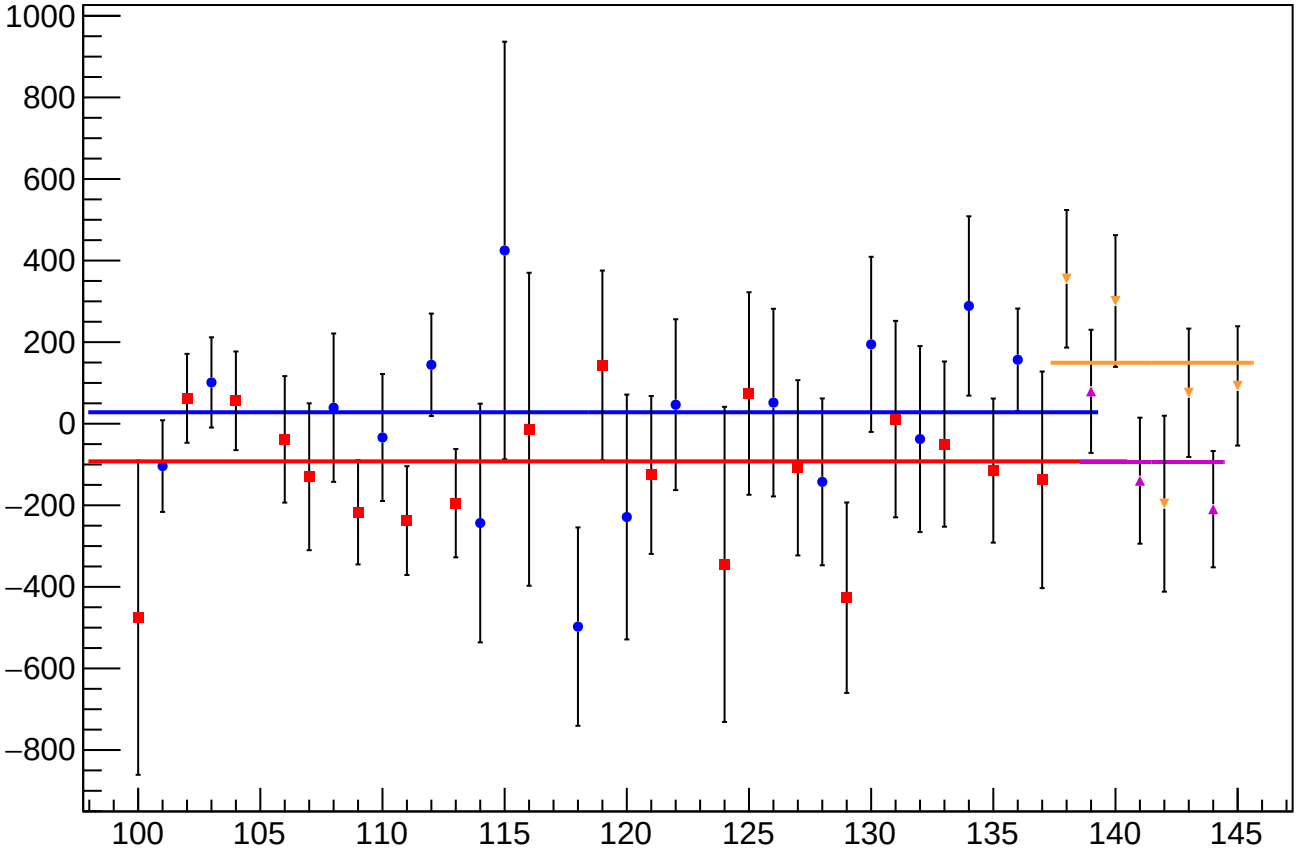
Left In: 911.274+/-0.400 χ^2/NDF:23028.7/2

+ sign 816.120+/-0.183 χ^2/NDF: 1949907.0/20

All: 782.725+/-0.127 χ^2/NDF: 4002654.0/42

- sign 751.521+/-0.177 χ^2/NDF: 1988445.9/21

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

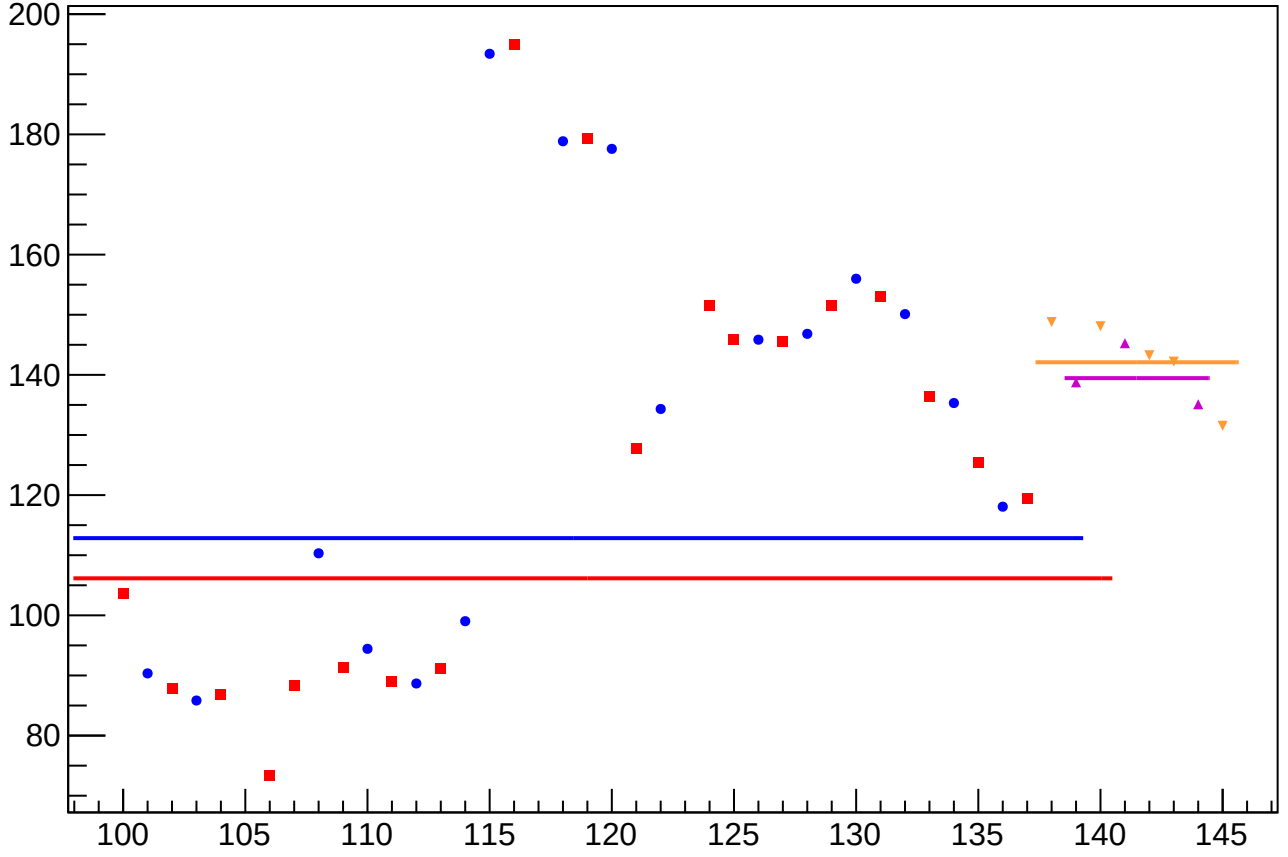
Left In: -93.849+/-86.081 χ^2/NDF:2.1/2

+ sign 59.115+/-37.476 χ^2/NDF: 20.9/20

All: -18.348+/-26.212 χ^2/NDF: 43.0/42

- sign -92.538+/-36.675 χ^2/NDF: 13.8/21

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

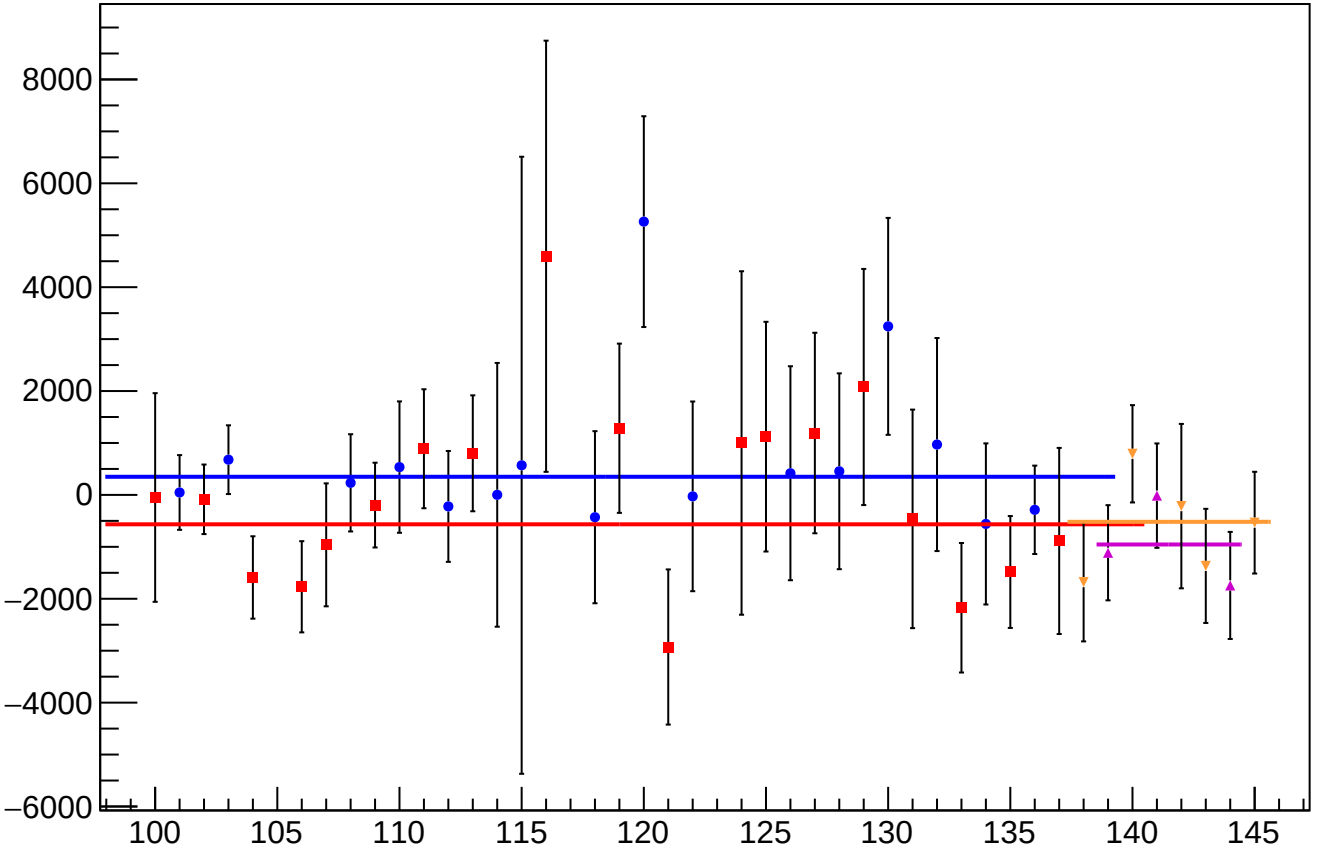
Left In: 139.455+/-0.061 χ^2/NDF:4727.9/2

+ sign 120.323+/-0.026 χ^2/NDF: 1120538.8/20

All: 116.175+/-0.019 χ^2/NDF: 2420287.8/42

- sign 112.203+/-0.026 χ^2/NDF: 1251787.9/21

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

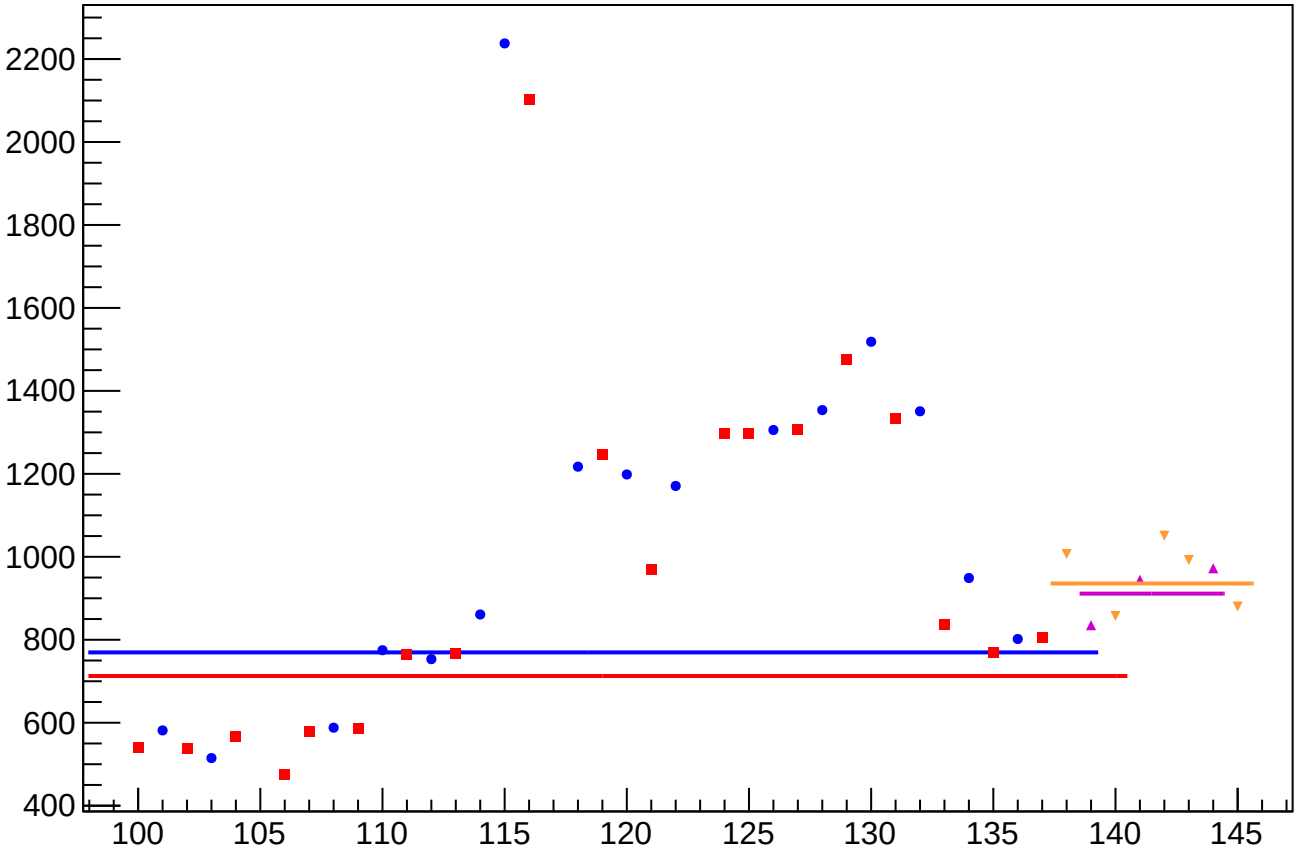
Left In: -954.546+/-565.900 χ^2/NDF:1.5/2

\+ sign 106.131+/-259.034 χ^2/NDF: 15.7/20

All: -280.663+/-180.034 χ^2/NDF: 40.2/42

\- sign -642.093+/-250.397 χ^2/NDF: 20.2/21

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

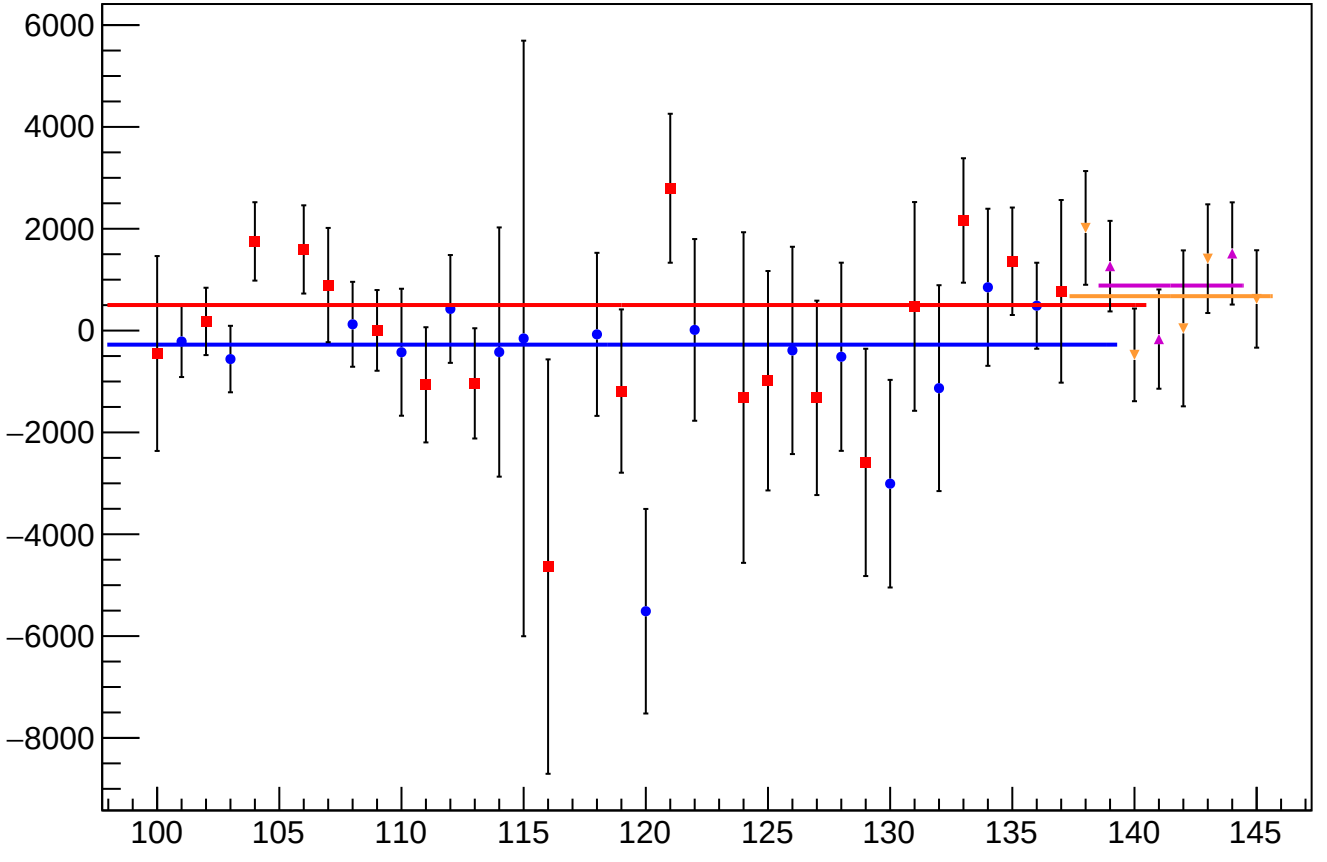
Left In: 911.276+/-0.400 χ^2/NDF:23028.5/2

+ sign 816.119+/-0.183 χ^2/NDF: 1949908.3/20

All: 782.725+/-0.127 χ^2/NDF: 4002653.9/42

- sign 751.520+/-0.177 χ^2/NDF: 1988444.3/21

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

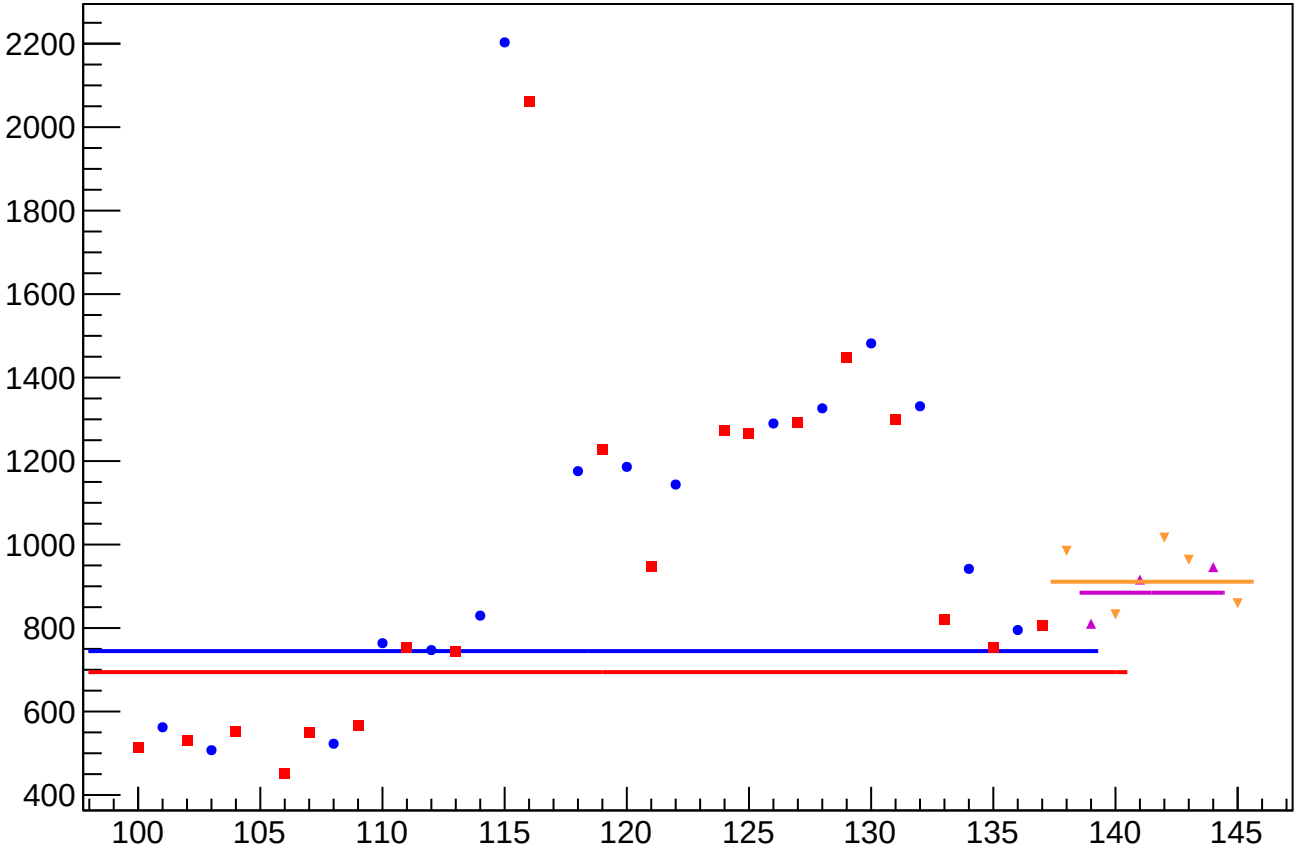
Left In: 884.383+/-549.630 χ^2/NDF:1.7/2

\+ sign -10.137+/-251.862 χ^2/NDF: 17.6/20

All: 292.482+/-175.430 χ^2/NDF: 43.0/42

\- sign 577.653+/-244.494 χ^2/NDF: 22.6/21

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

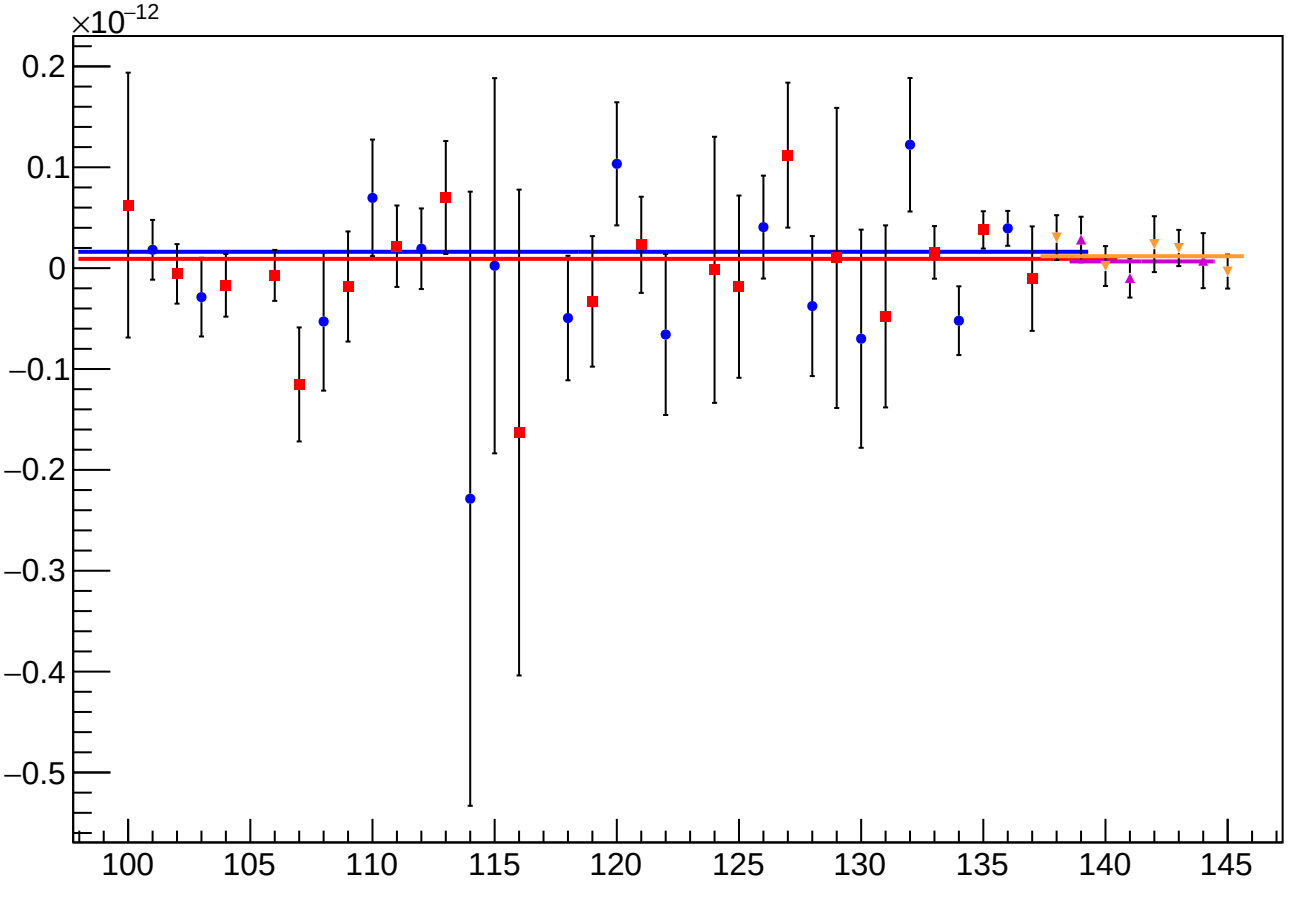
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 884.671+/-0.389 χ^2/NDF:23493.2/2

+ sign 791.222+/-0.178 χ^2/NDF: 2041615.5/20

All: 760.737+/-0.124 χ^2/NDF: 4118123.1/42

- sign 732.009+/-0.173 χ^2/NDF: 2019593.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/4

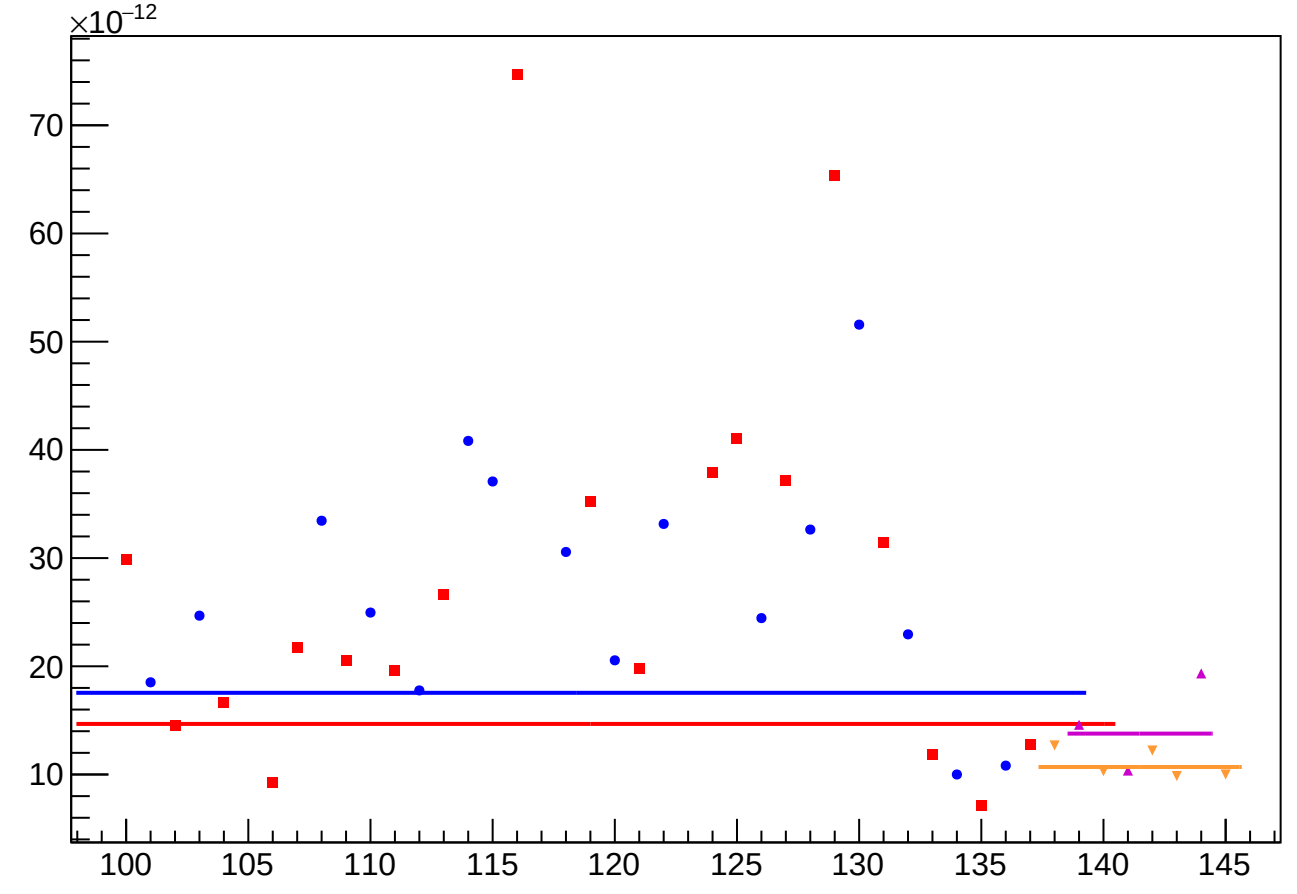
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 20.2/20

All: 0.000+/-0.000 χ^2/NDF: 36.2/42

- sign 0.000+/-0.000 χ^2/NDF: 15.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:30602.0/4

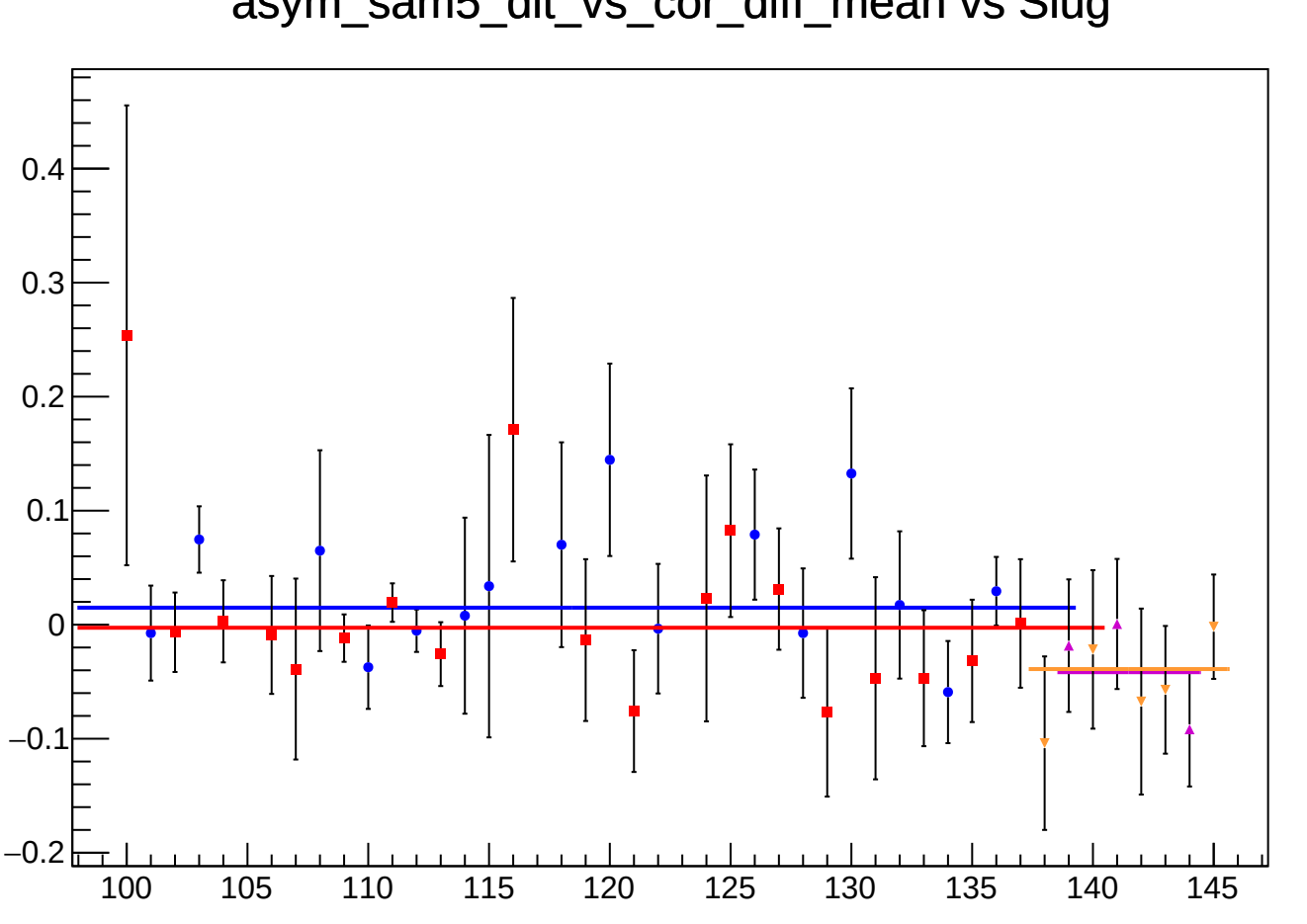
Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:147808.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 1671714.8/20

All: 0.000+/-0.000 χ^2/NDF: 3581119.9/42

- sign 0.000+/-0.000 χ^2/NDF: 1895661.7/21



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

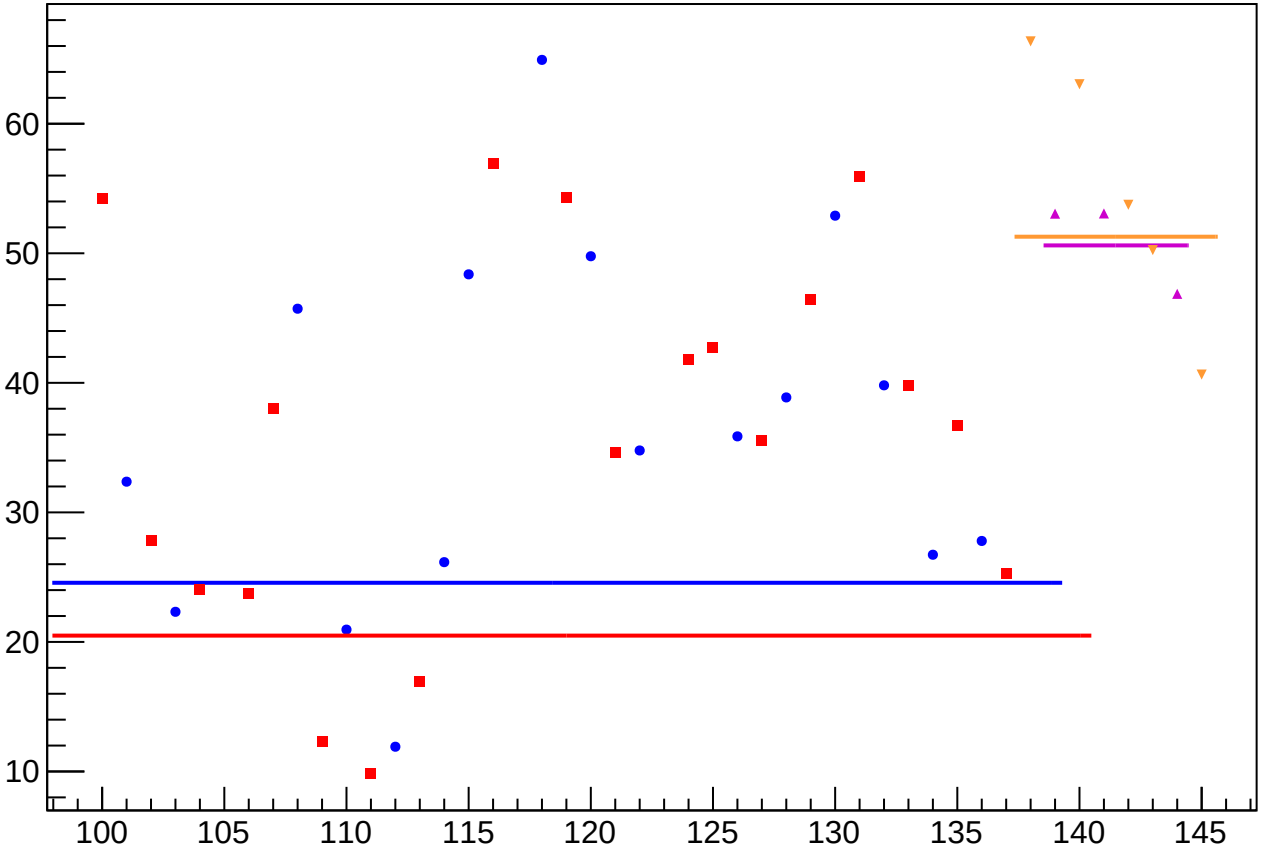
Left In: -0.042+/-0.032 χ^2/NDF:1.7/2

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/20

All: 0.000+/-0.007 χ^2/NDF: 39.4/42

- sign -0.006+/-0.009 χ^2/NDF: 15.6/21

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

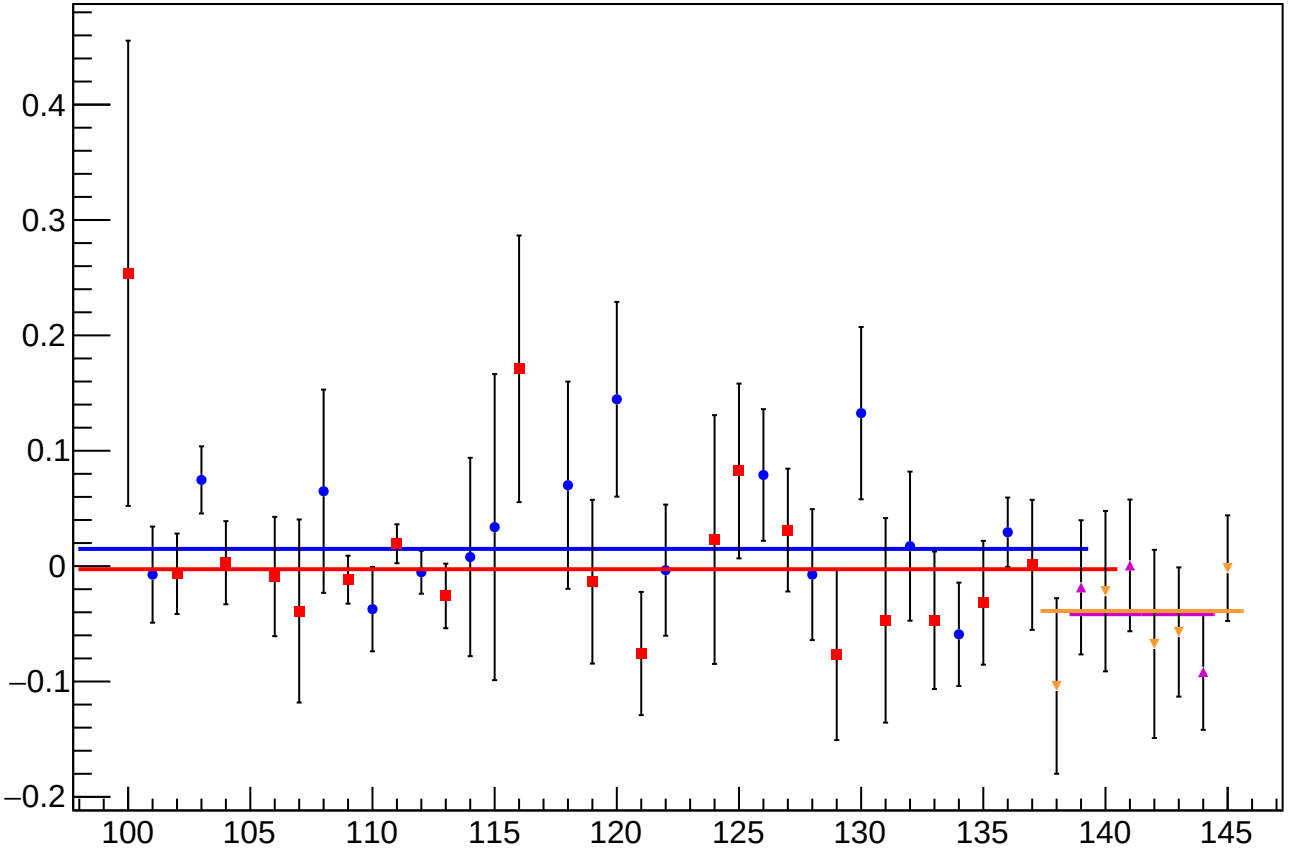
Left In: 50.608+/-0.022 χ^2/NDF:18386.5/2

+ sign 28.023+/-0.007 χ^2/NDF: 4378891.4/20

All: 25.156+/-0.005 χ^2/NDF: 9957414.7/42

- sign 22.851+/-0.006 χ^2/NDF: 5274526.5/21

asym_sam5_dit_vs_eigen_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

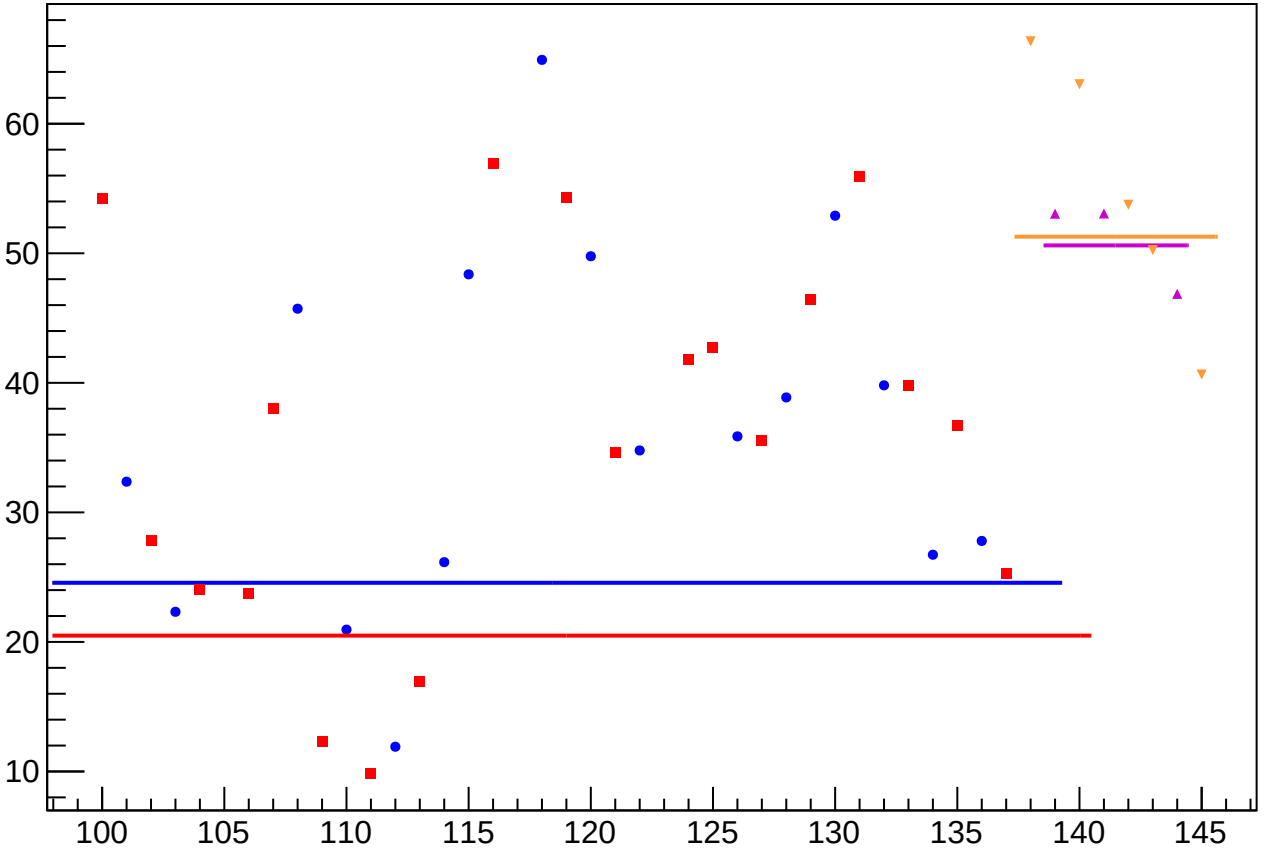
Left In: -0.042+/-0.032 χ^2/NDF:1.7/2

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/20

All: 0.000+/-0.007 χ^2/NDF: 39.4/42

- sign -0.006+/-0.009 χ^2/NDF: 15.6/21

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

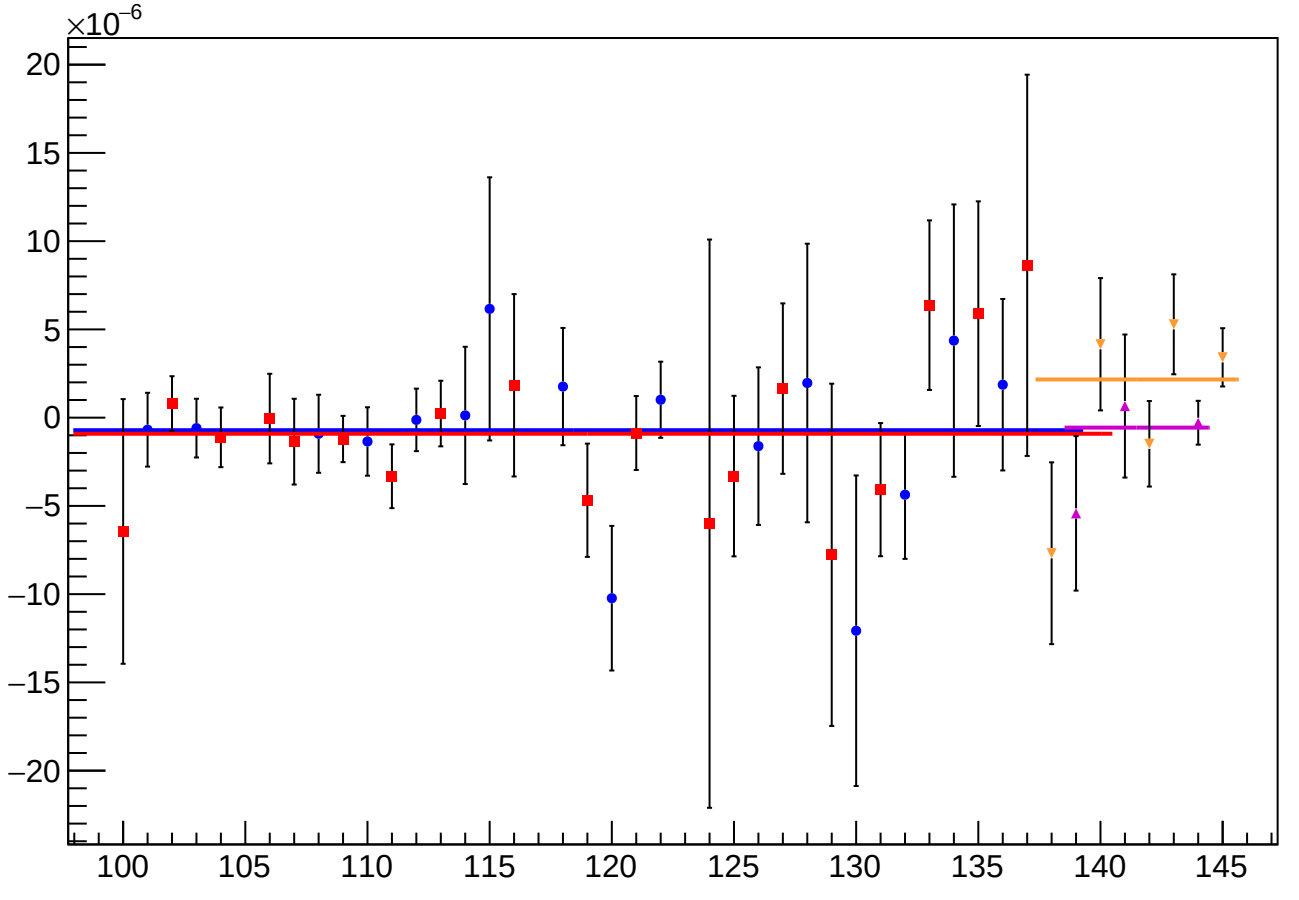
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.608+/-0.022 χ^2/NDF:18386.5/2

+ sign 28.023+/-0.007 χ^2/NDF: 4378891.4/20

All: 25.156+/-0.005 χ^2/NDF: 9957414.7/42

- sign 22.851+/-0.006 χ^2/NDF: 5274526.5/21



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

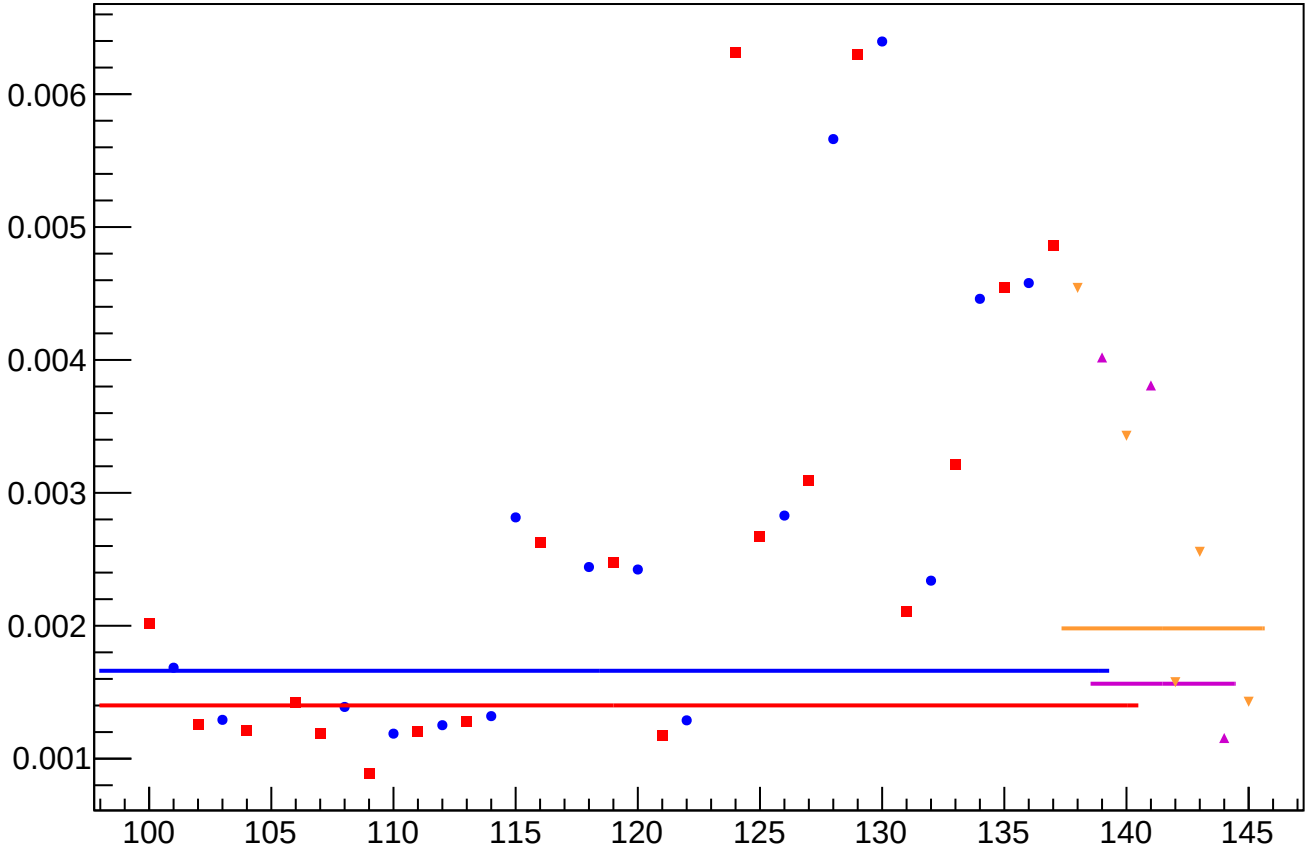
Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/20

All: -0.000+/-0.000 χ^2/NDF: 38.5/42

- sign -0.000+/-0.000 χ^2/NDF: 13.3/21

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1156237.3/4

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

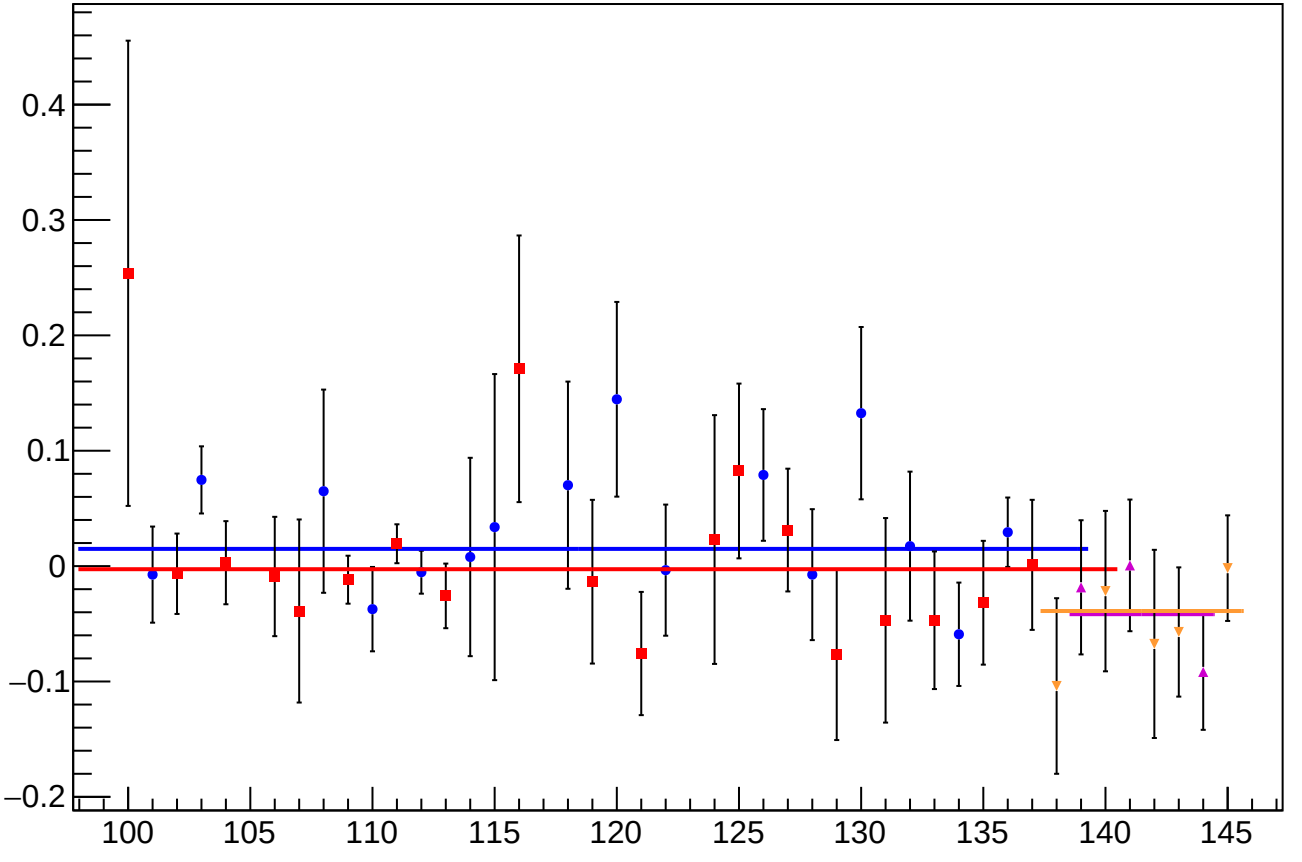
Left In: 0.002+/-0.000 χ^2/NDF:1459079.2/2

+ sign 0.002+/-0.000 χ^2/NDF: 4212185.9/20

All: 0.002+/-0.000 χ^2/NDF: 8932646.4/42

- sign 0.001+/-0.000 χ^2/NDF: 4406821.8/21

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

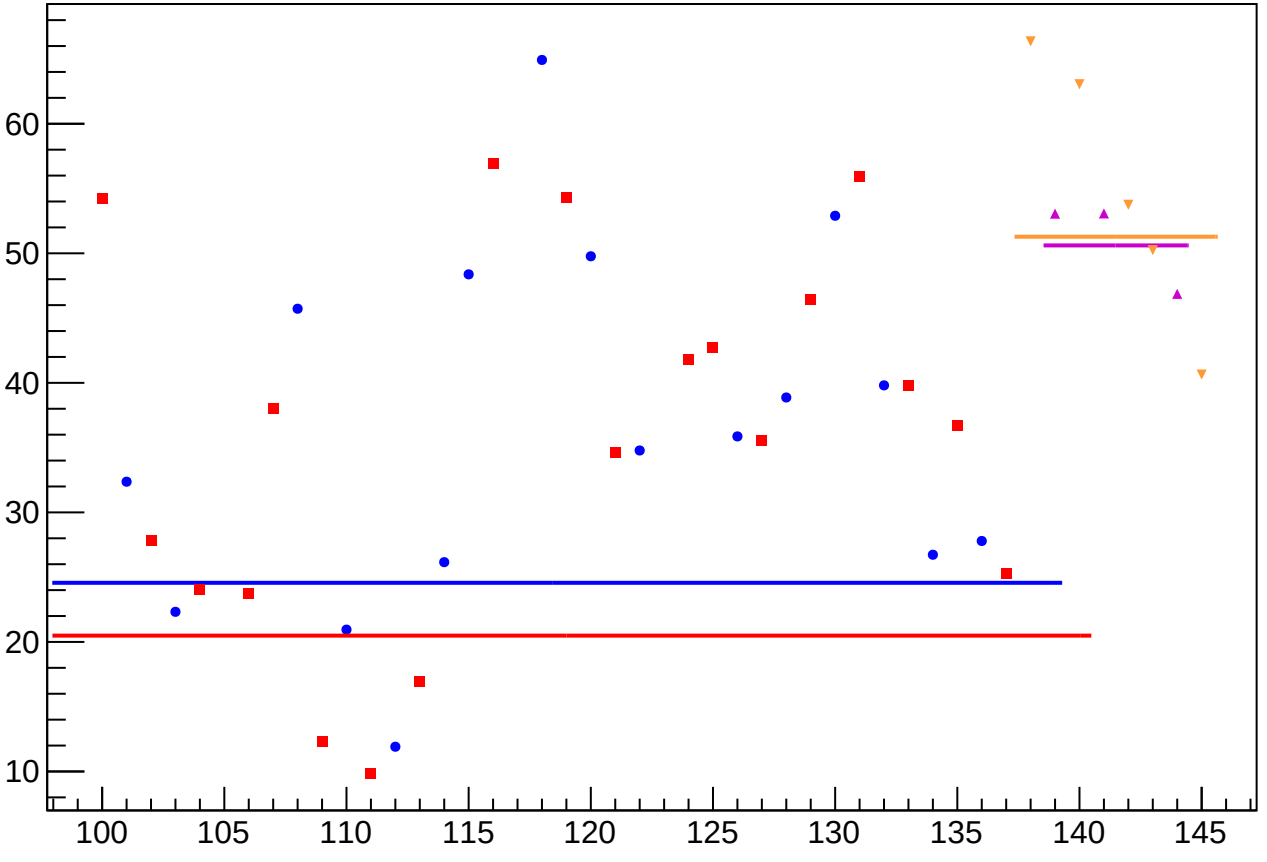
Left In: -0.042+/-0.032 χ^2/NDF:1.7/2

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/20

All: 0.000+/-0.007 χ^2/NDF: 39.4/42

- sign -0.006+/-0.009 χ^2/NDF: 15.6/21

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

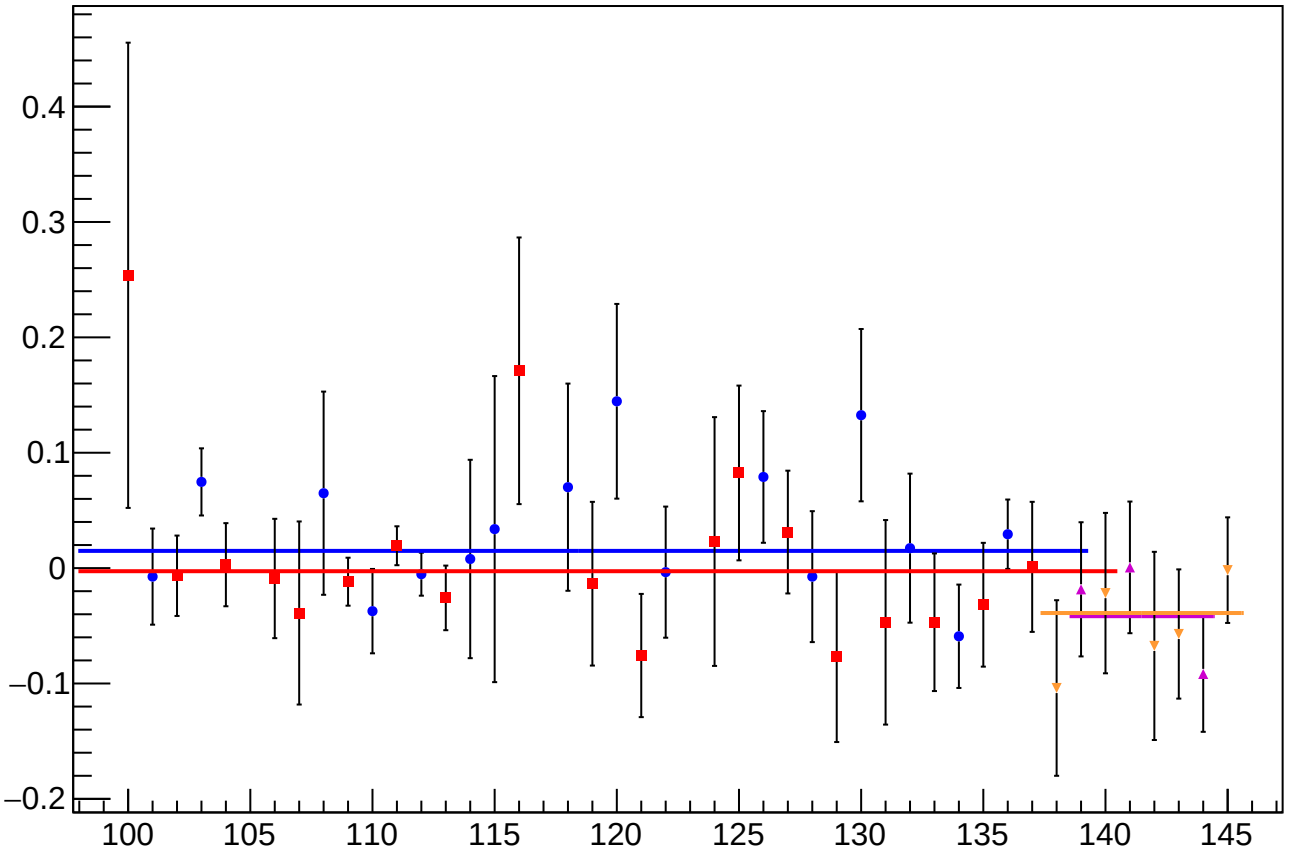
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.609+/-0.022 χ^2/NDF:18399.0/2

+ sign 28.023+/-0.007 χ^2/NDF: 4378914.3/20

All: 25.155+/-0.005 χ^2/NDF: 9957540.3/42

- sign 22.850+/-0.006 χ^2/NDF: 5274616.0/21



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.039+/-0.027 χ^2/NDF:1.7/4

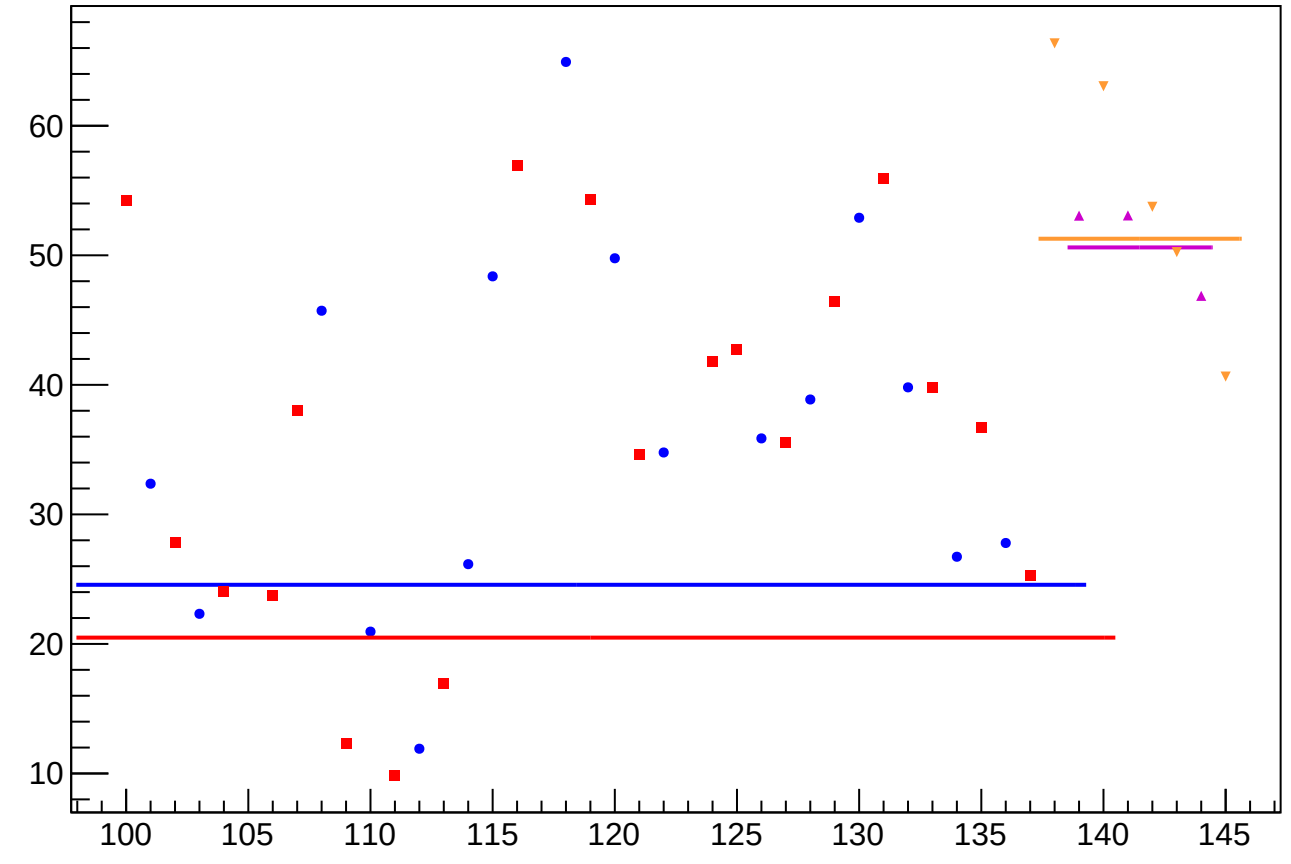
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.042+/-0.032 χ^2/NDF:1.7/2

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/20

All: 0.000+/-0.007 χ^2/NDF: 39.4/42

- sign -0.006+/-0.009 χ^2/NDF: 15.6/21



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

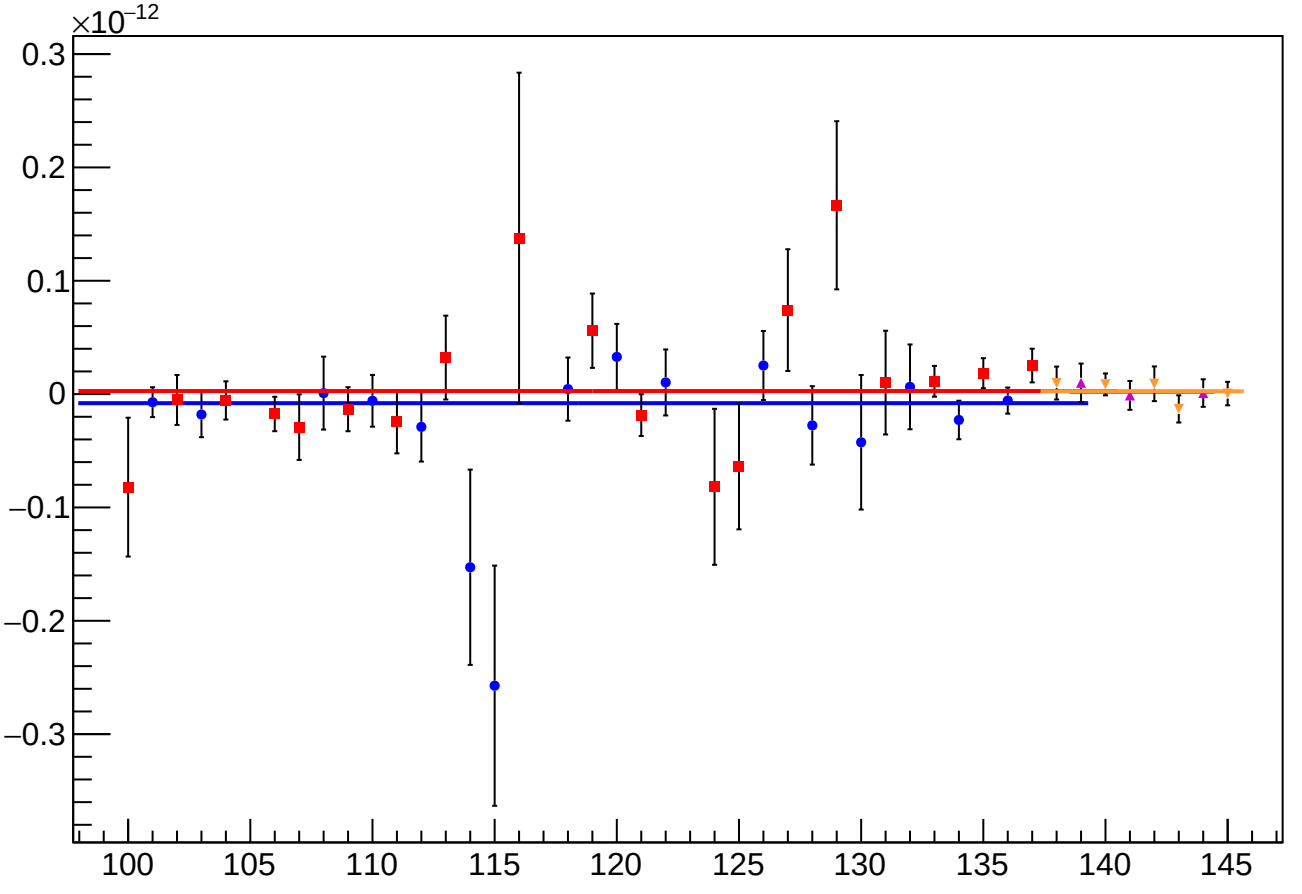
Left In: 50.609+/-0.022 χ^2/NDF:18399.0/2

+ sign 28.023+/-0.007 χ^2/NDF: 4378914.3/20

All: 25.155+/-0.005 χ^2/NDF: 9957540.3/42

- sign 22.850+/-0.006 χ^2/NDF: 5274616.0/21

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

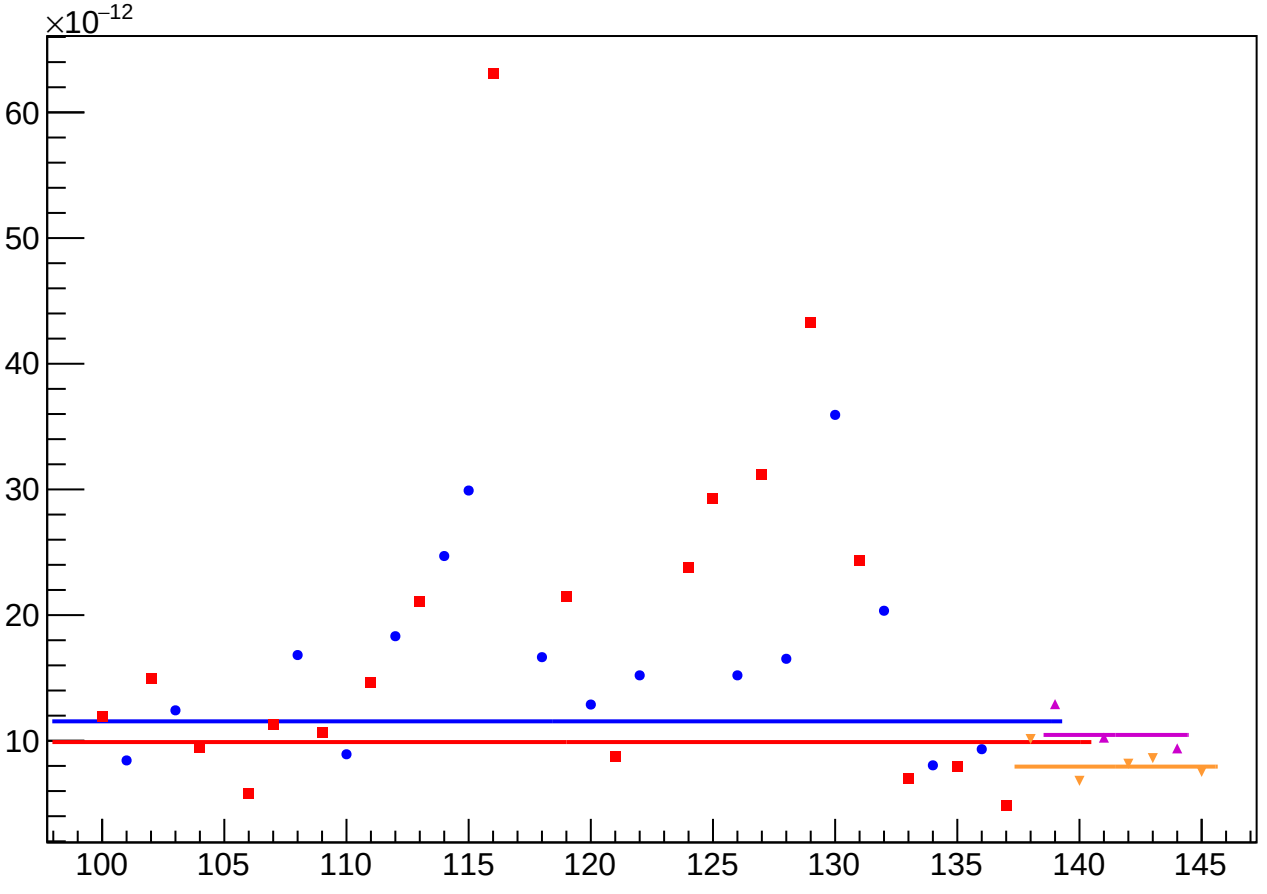
Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

+ sign -0.000+/-0.000 χ^2/NDF: 18.9/20

All: -0.000+/-0.000 χ^2/NDF: 45.9/42

- sign 0.000+/-0.000 χ^2/NDF: 26.4/21

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

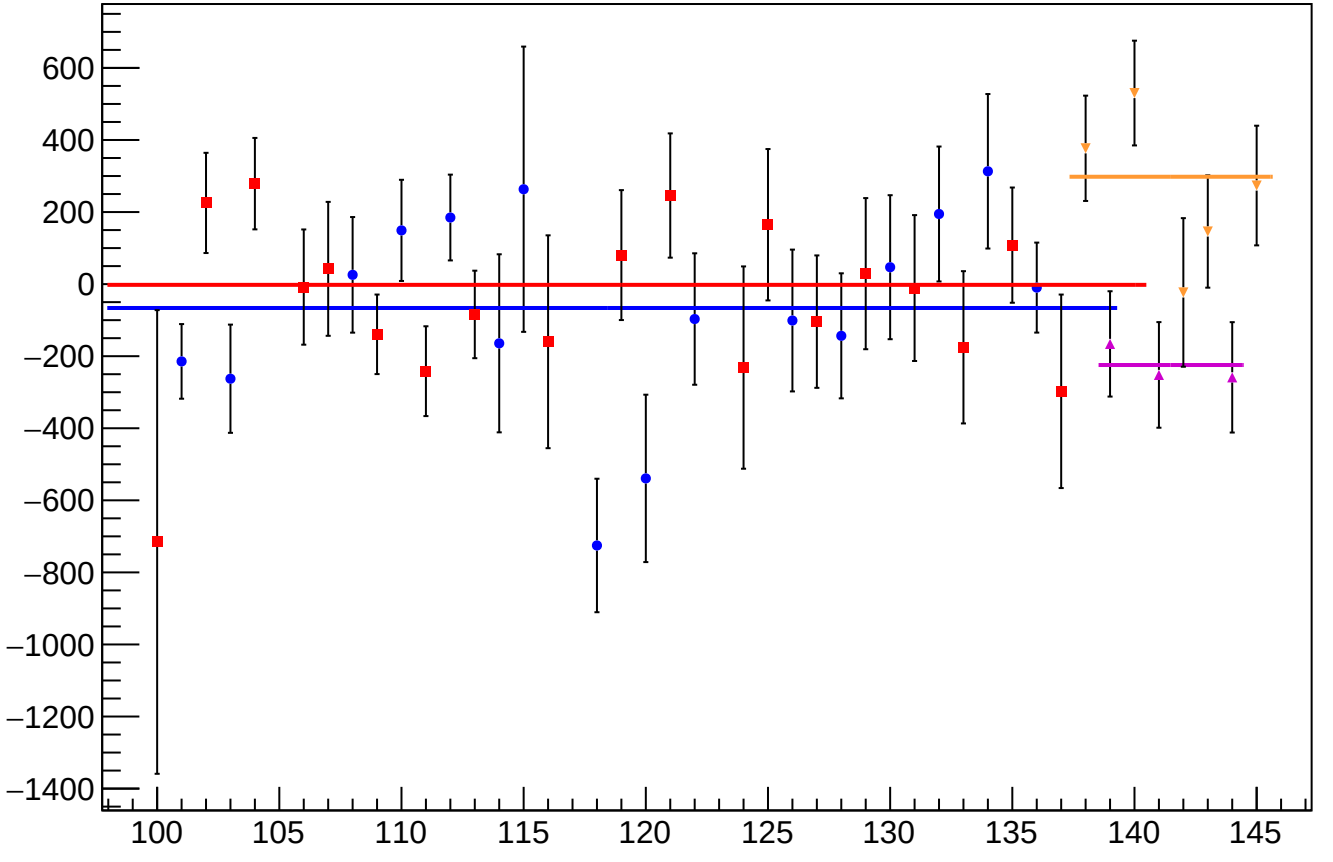
Left In: 0.000+/-0.000 χ^2/NDF:57922.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 1687200.5/20

All: 0.000+/-0.000 χ^2/NDF: 4402406.3/42

- sign 0.000+/-0.000 χ^2/NDF: 2701026.7/21

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

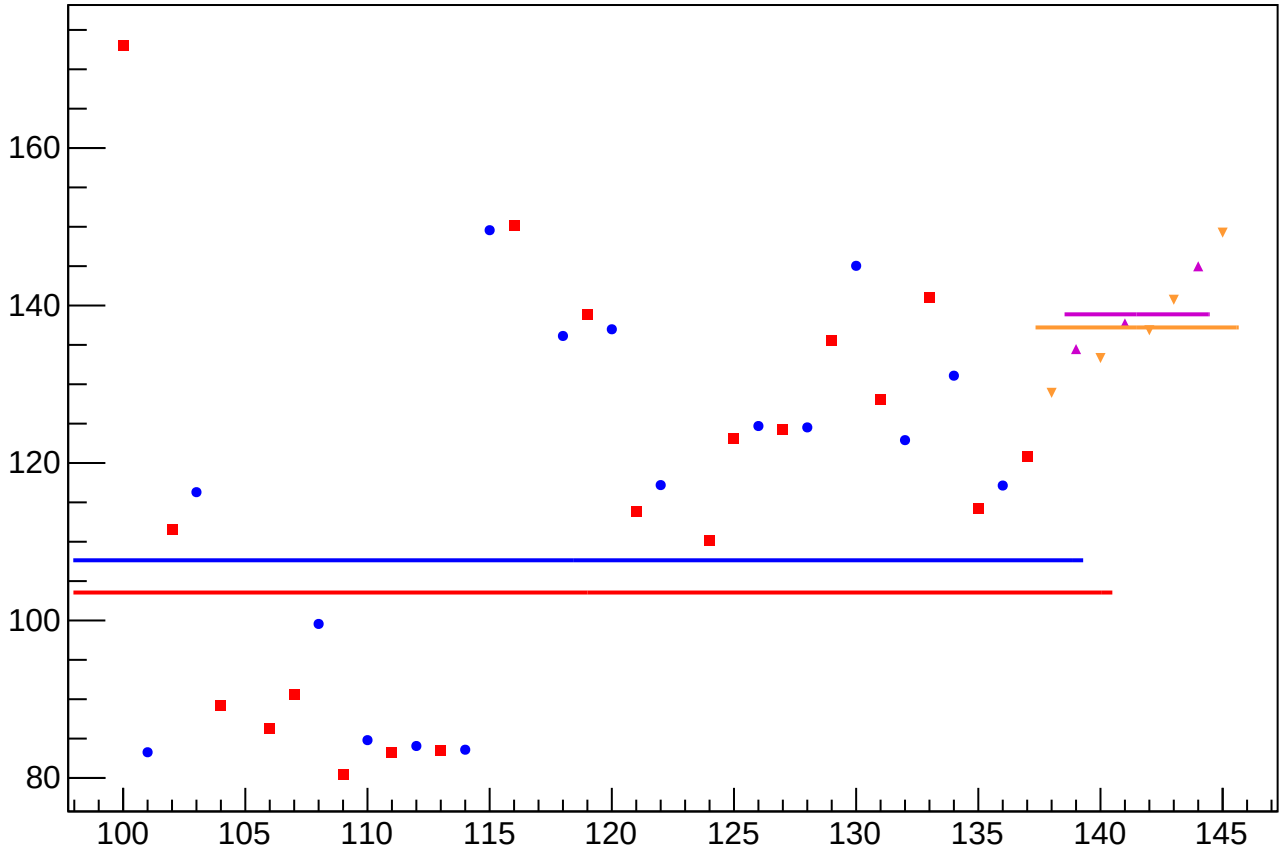
Left In: -224.471+/-85.748 χ^2/NDF:0.2/2

+ sign 23.511+/-35.538 χ^2/NDF: 60.1/20

All: -8.333+/-25.080 χ^2/NDF: 88.7/42

- sign -39.930+/-35.400 χ^2/NDF: 26.9/21

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

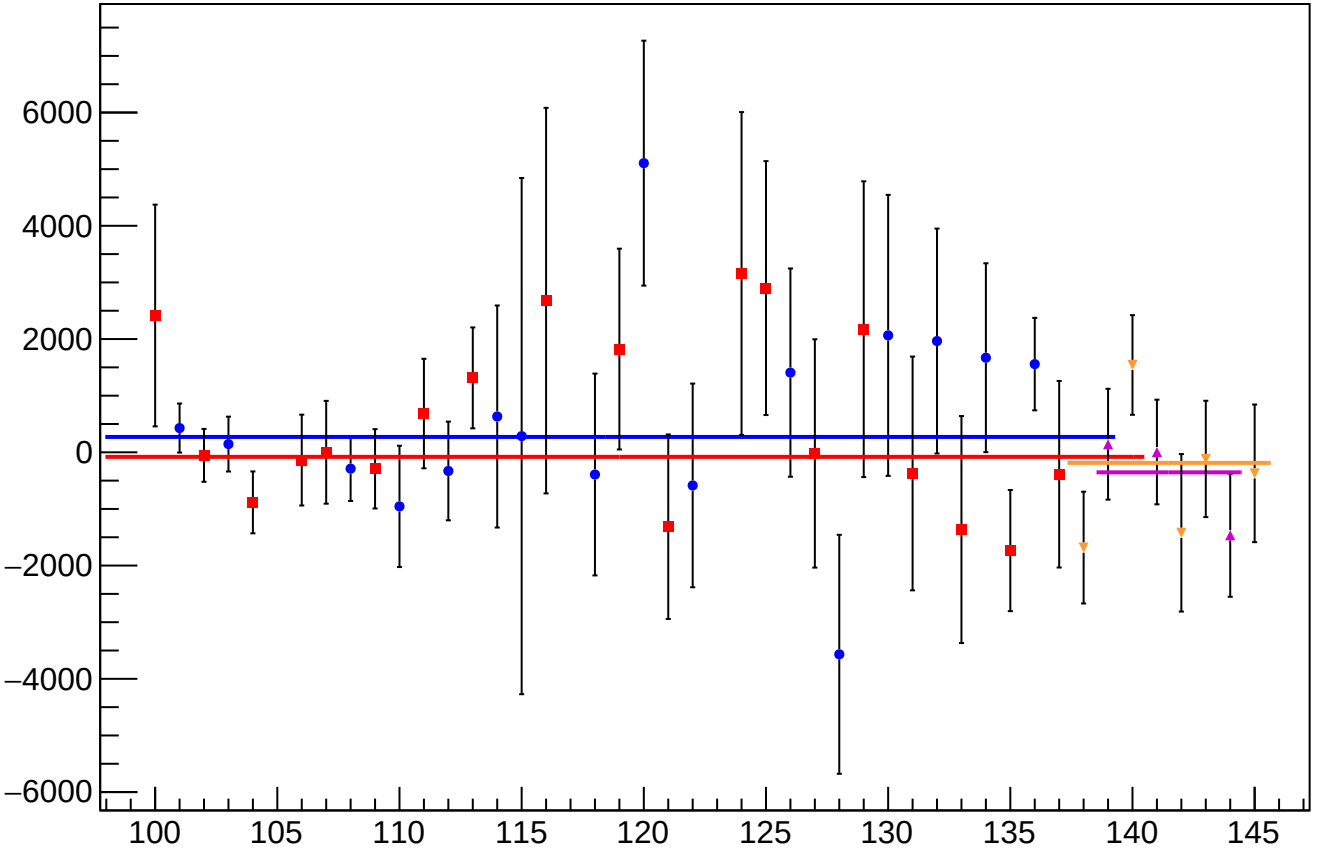
Left In: 138.881+/-0.061 χ^2/NDF:5118.8/2

\+ sign 114.930+/-0.025 χ^2/NDF: 809387.9/20

All: 112.240+/-0.018 χ^2/NDF: 1736359.0/42

\- sign 109.571+/-0.025 χ^2/NDF: 904144.0/21

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

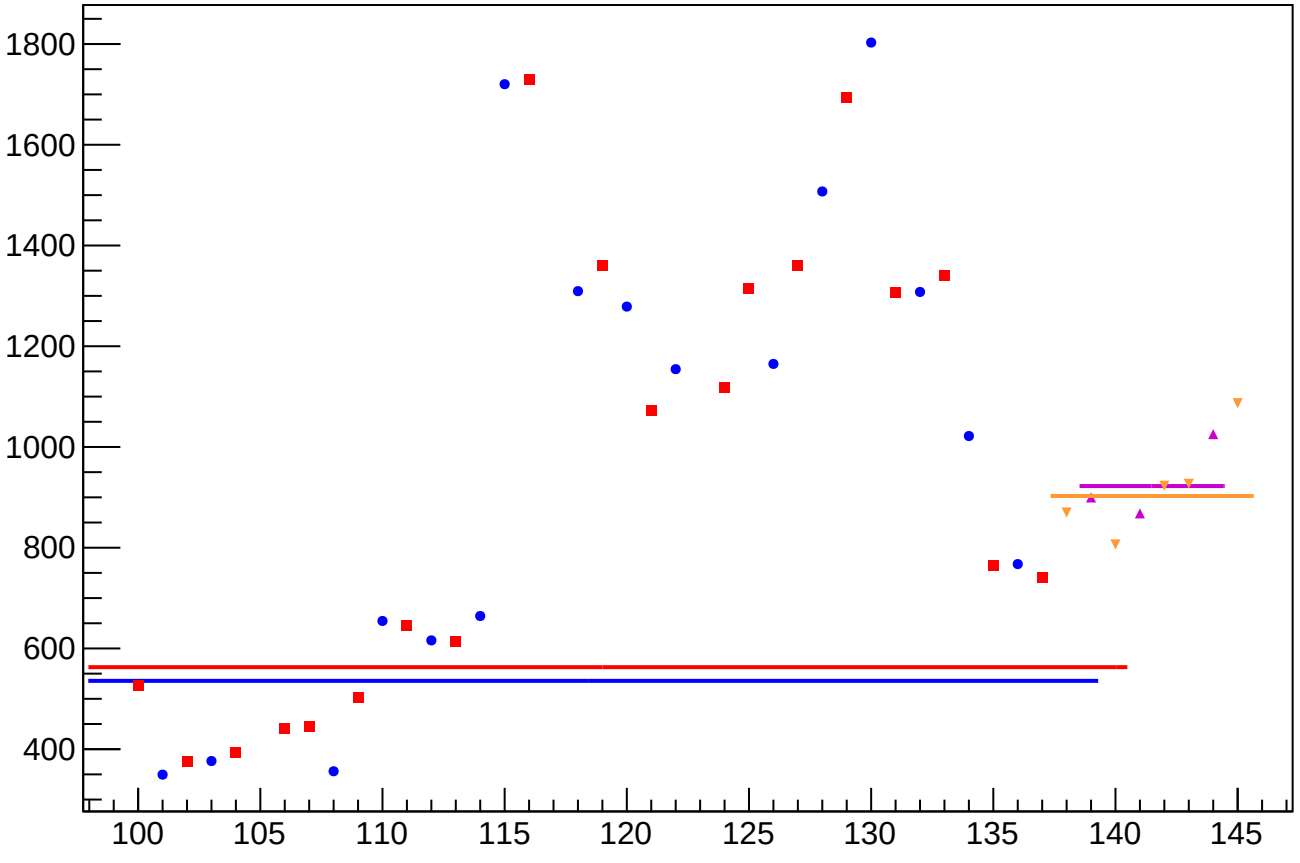
Left In: -353.807+/-571.494 χ^2/NDF:1.5/2

+ sign 183.646+/-207.367 χ^2/NDF: 24.2/20

All: 37.916+/-149.285 χ^2/NDF: 42.9/42

- sign -118.864+/-215.085 χ^2/NDF: 17.7/21

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

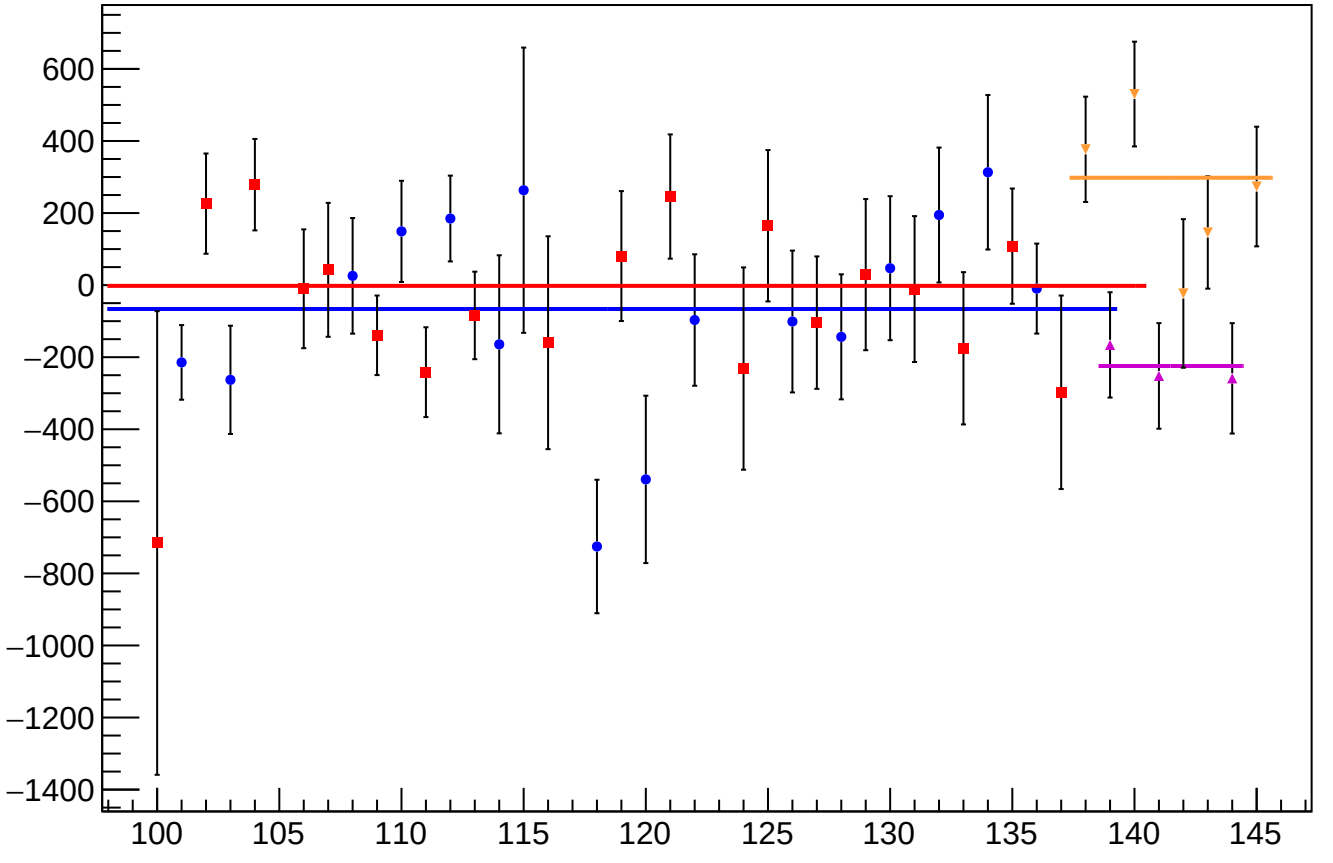
Left In: 922.437+/-0.404 χ^2/NDF:25967.3/2

+ sign 606.074+/-0.147 χ^2/NDF: 4677157.9/20

All: 609.786+/-0.106 χ^2/NDF: 8495150.5/42

- sign 613.779+/-0.152 χ^2/NDF: 3816662.7/21

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

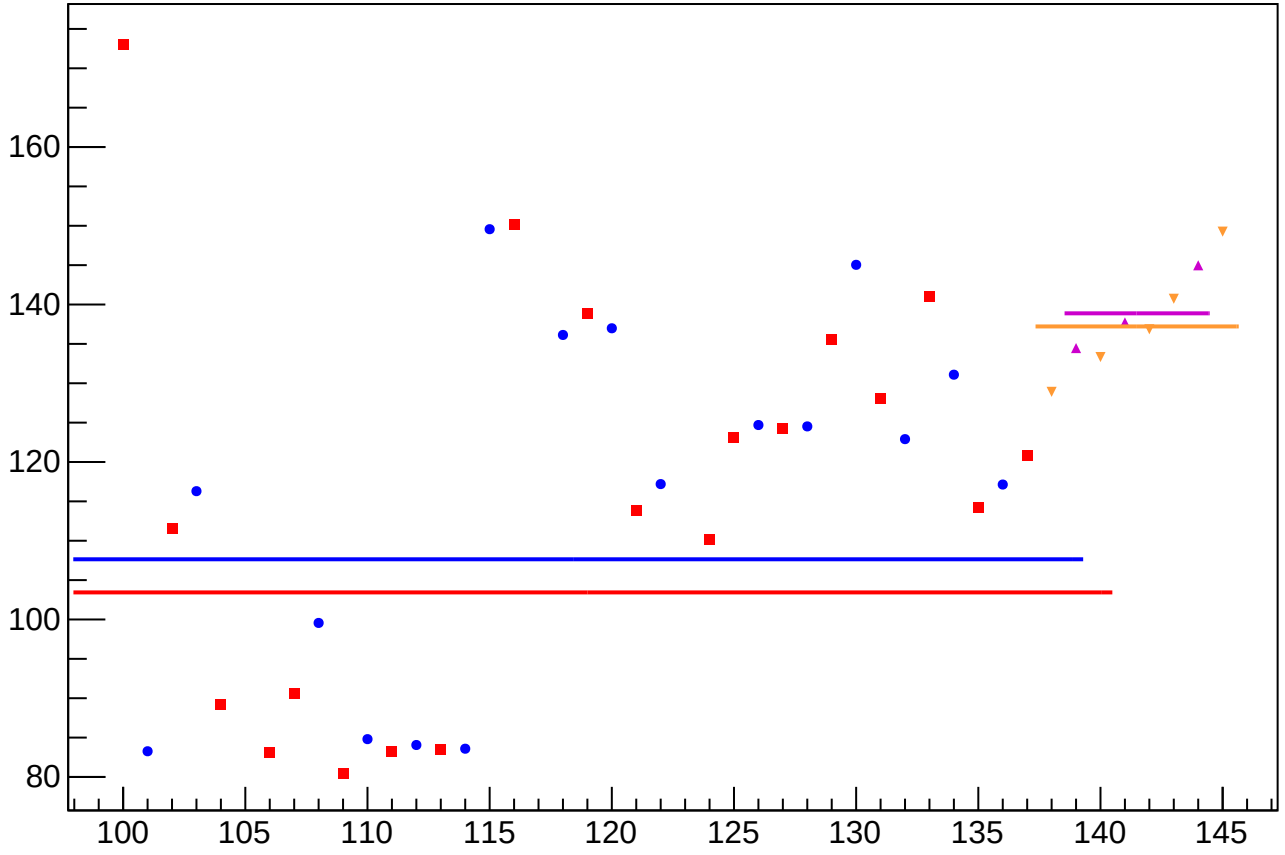
Left In: -224.466+/-85.748 χ^2/NDF:0.2/2

+ sign 23.493+/-35.538 χ^2/NDF: 60.2/20

All: -8.370+/-25.099 χ^2/NDF: 88.7/42

- sign -40.081+/-35.453 χ^2/NDF: 27.0/21

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

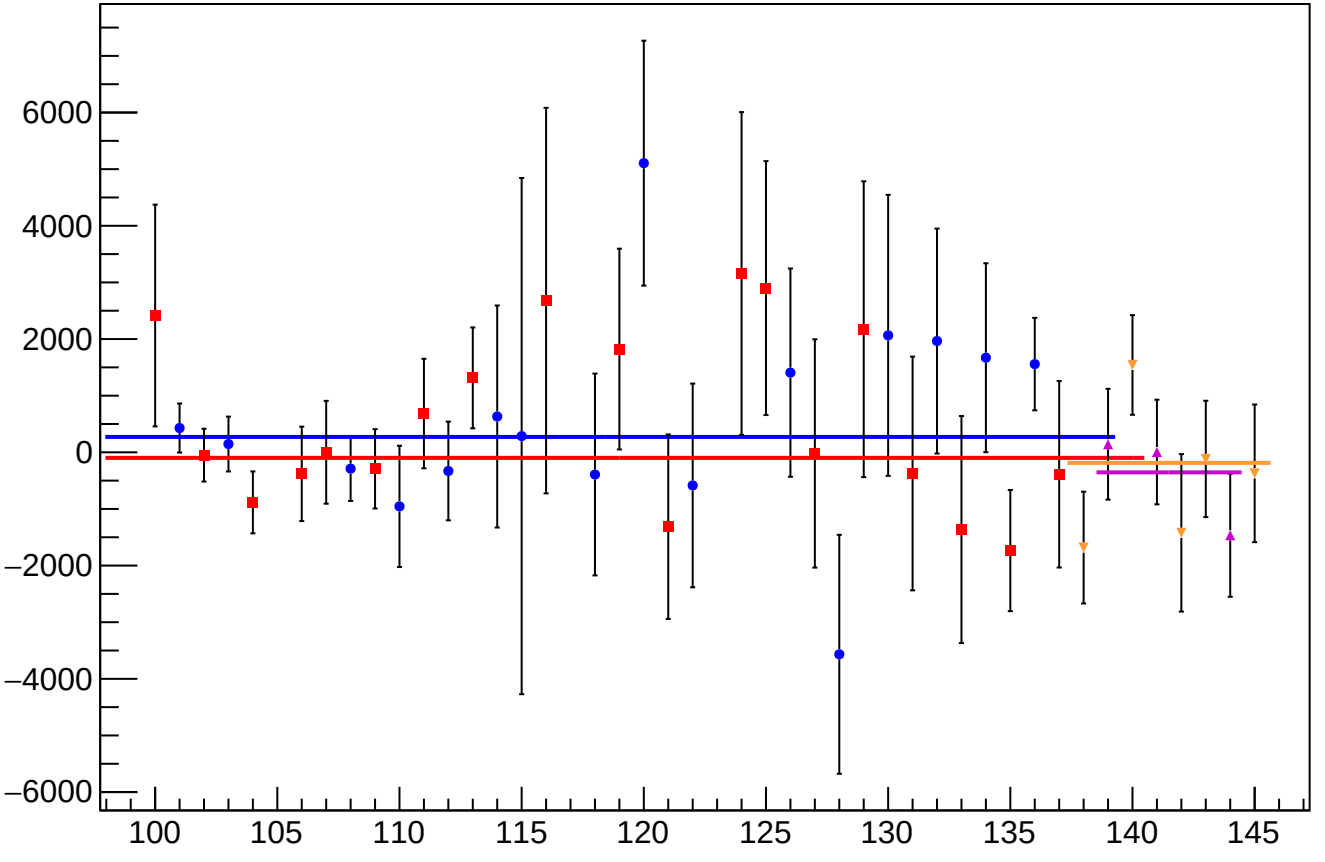
Left In: 138.881+/-0.061 χ^2/NDF:5118.8/2

+ sign 114.930+/-0.025 χ^2/NDF: 809388.1/20

All: 112.207+/-0.018 χ^2/NDF: 1745987.0/42

- sign 109.496+/-0.025 χ^2/NDF: 913164.3/21

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

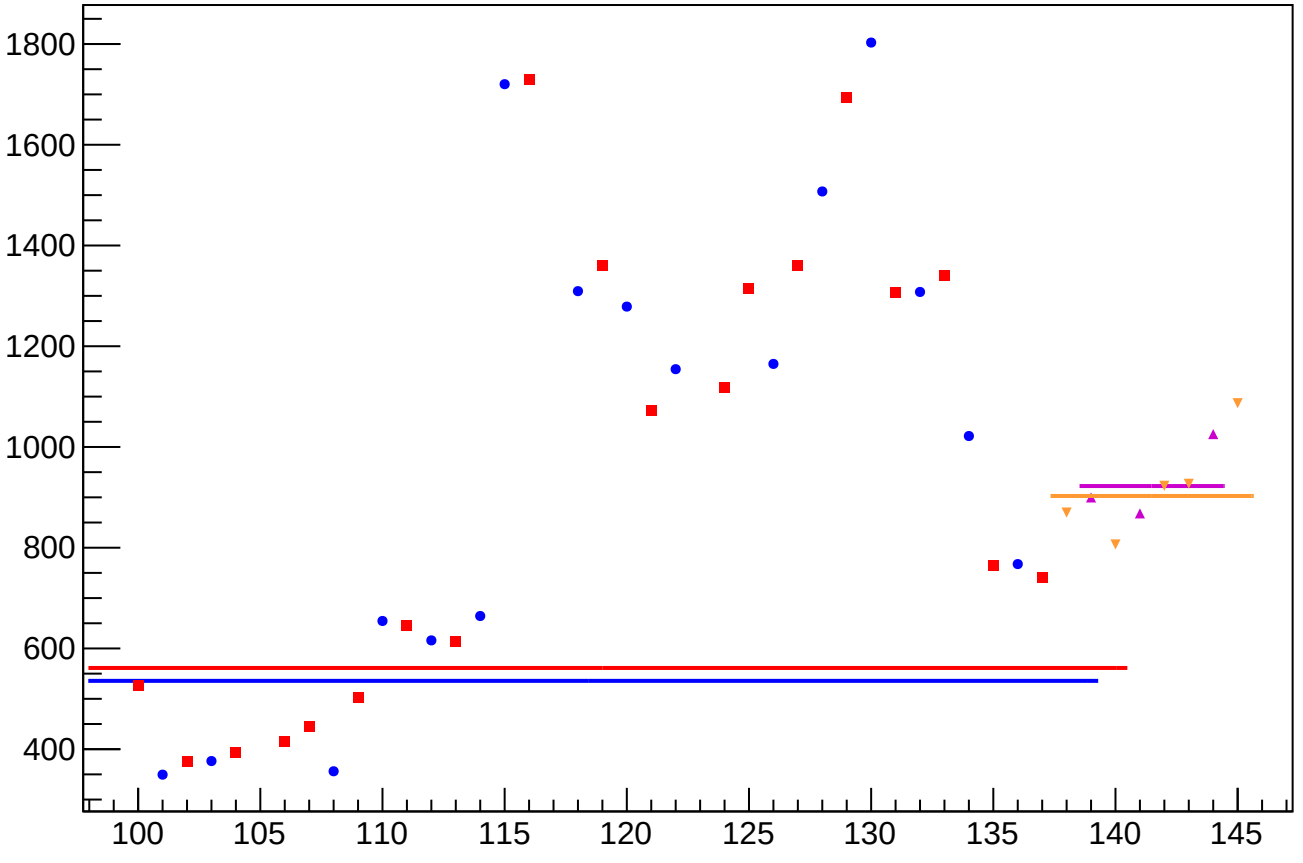
Left In: -353.782+/-571.494 χ^2/NDF:1.5/2

+ sign 183.766+/-207.362 χ^2/NDF: 24.2/20

All: 30.930+/-149.449 χ^2/NDF: 43.1/42

- sign -134.266+/-215.583 χ^2/NDF: 17.8/21

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

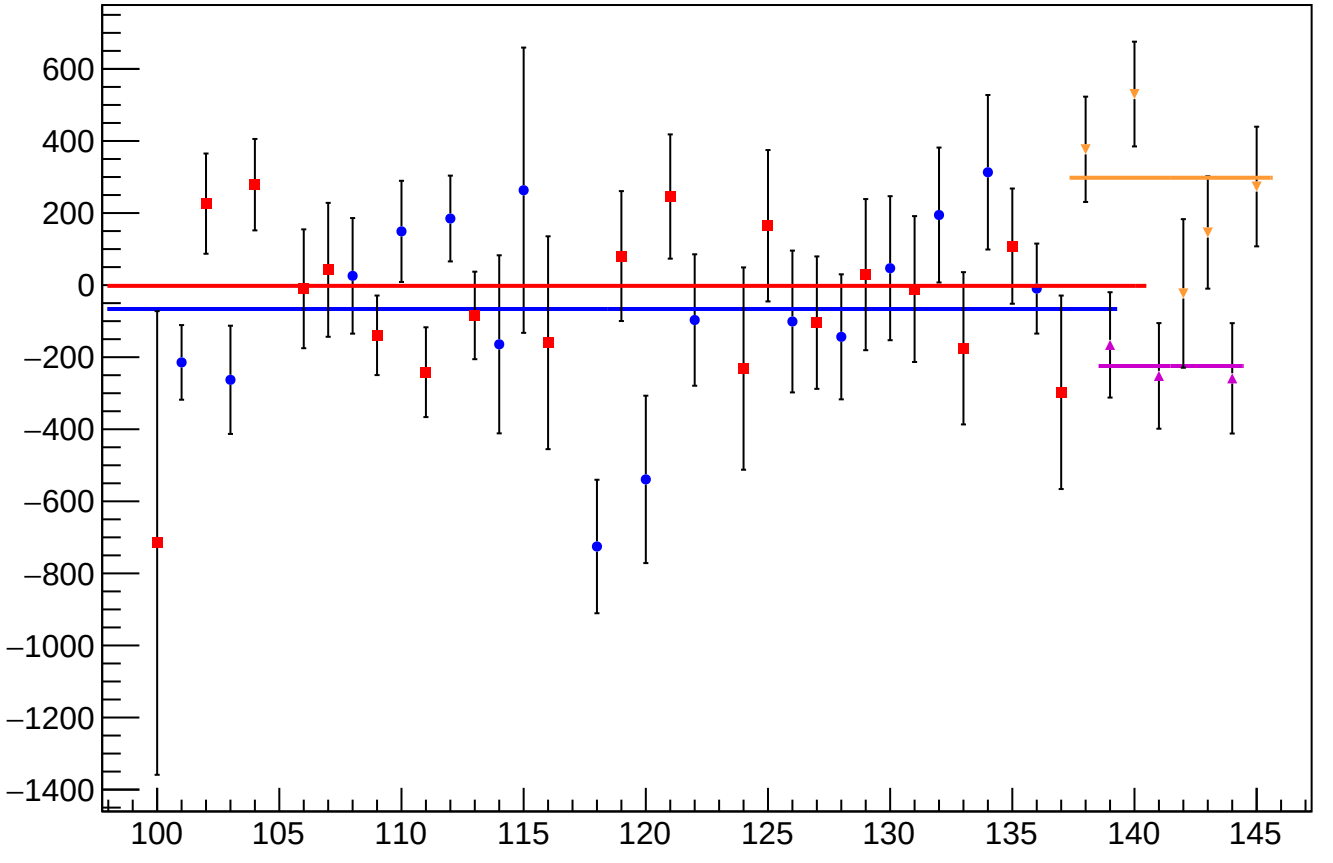
Left In: 922.437+/-0.404 χ^2/NDF:25967.1/2

+ sign 606.053+/-0.147 χ^2/NDF: 4677484.4/20

All: 609.230+/-0.106 χ^2/NDF: 8520295.9/42

- sign 612.664+/-0.152 χ^2/NDF: 3841834.7/21

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

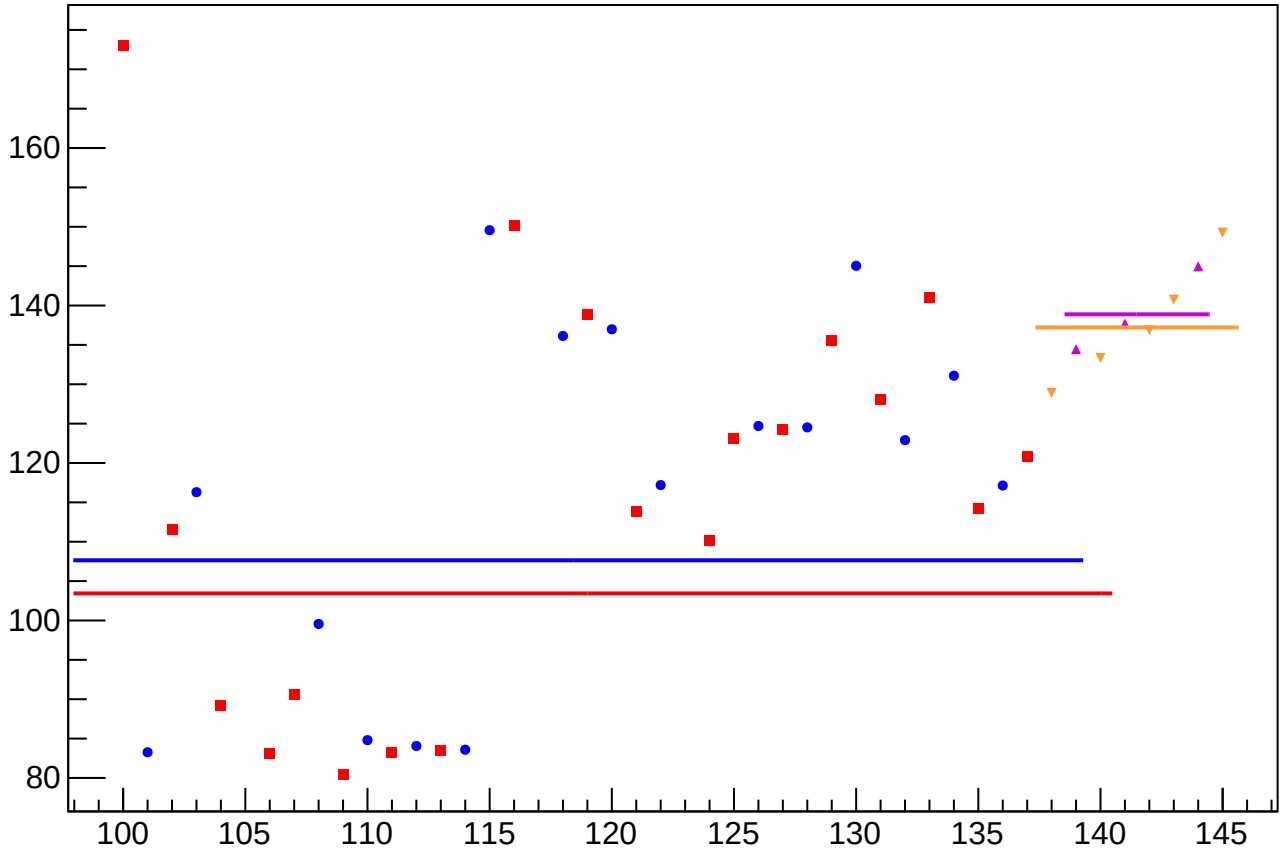
Left In: -224.466+/-85.748 χ^2/NDF:0.2/2

+ sign 23.493+/-35.538 χ^2/NDF: 60.2/20

All: -8.370+/-25.099 χ^2/NDF: 88.7/42

- sign -40.081+/-35.453 χ^2/NDF: 27.0/21

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

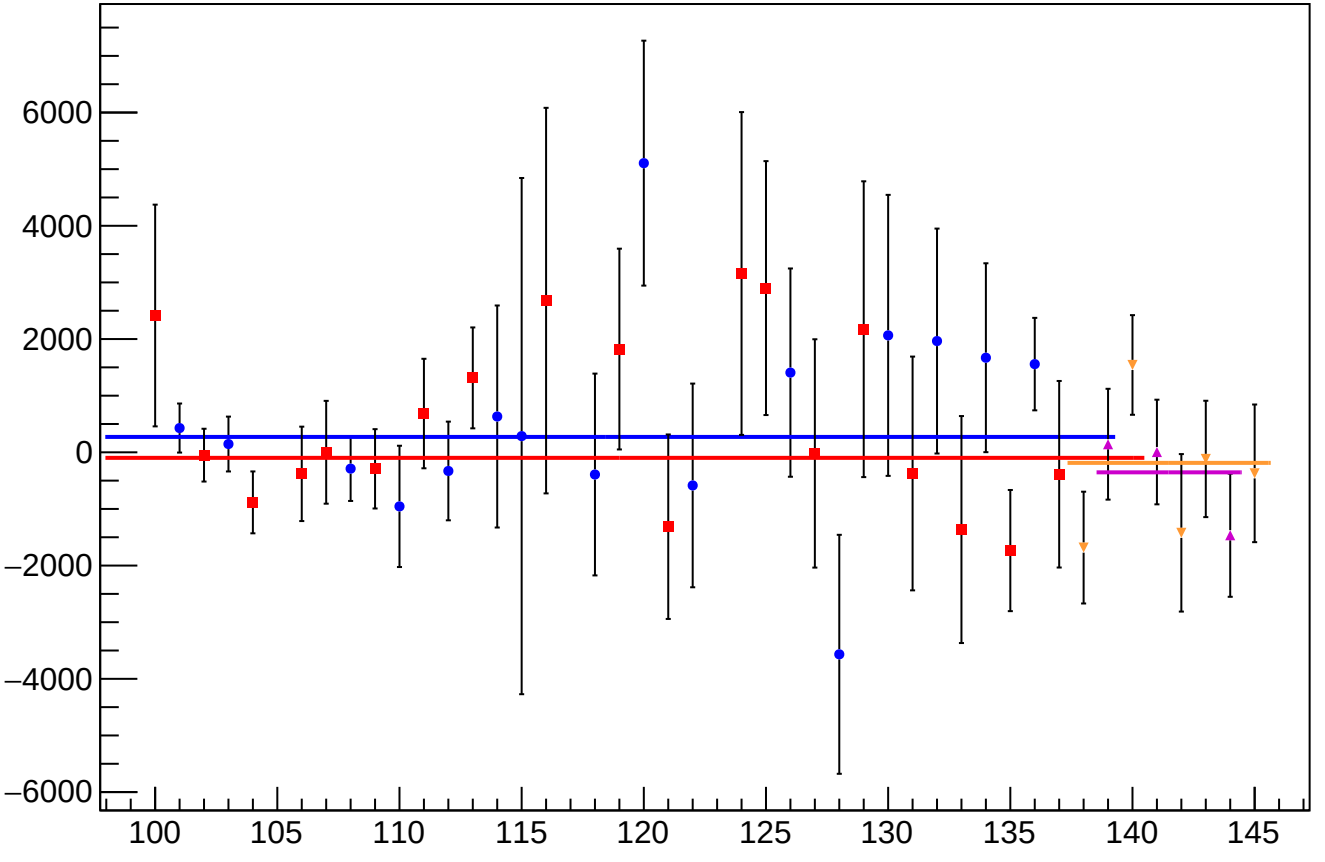
Left In: 138.881+/-0.061 χ^2/NDF:5118.8/2

+ sign 114.930+/-0.025 χ^2/NDF: 809388.1/20

All: 112.207+/-0.018 χ^2/NDF: 1745987.0/42

- sign 109.496+/-0.025 χ^2/NDF: 913164.3/21

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

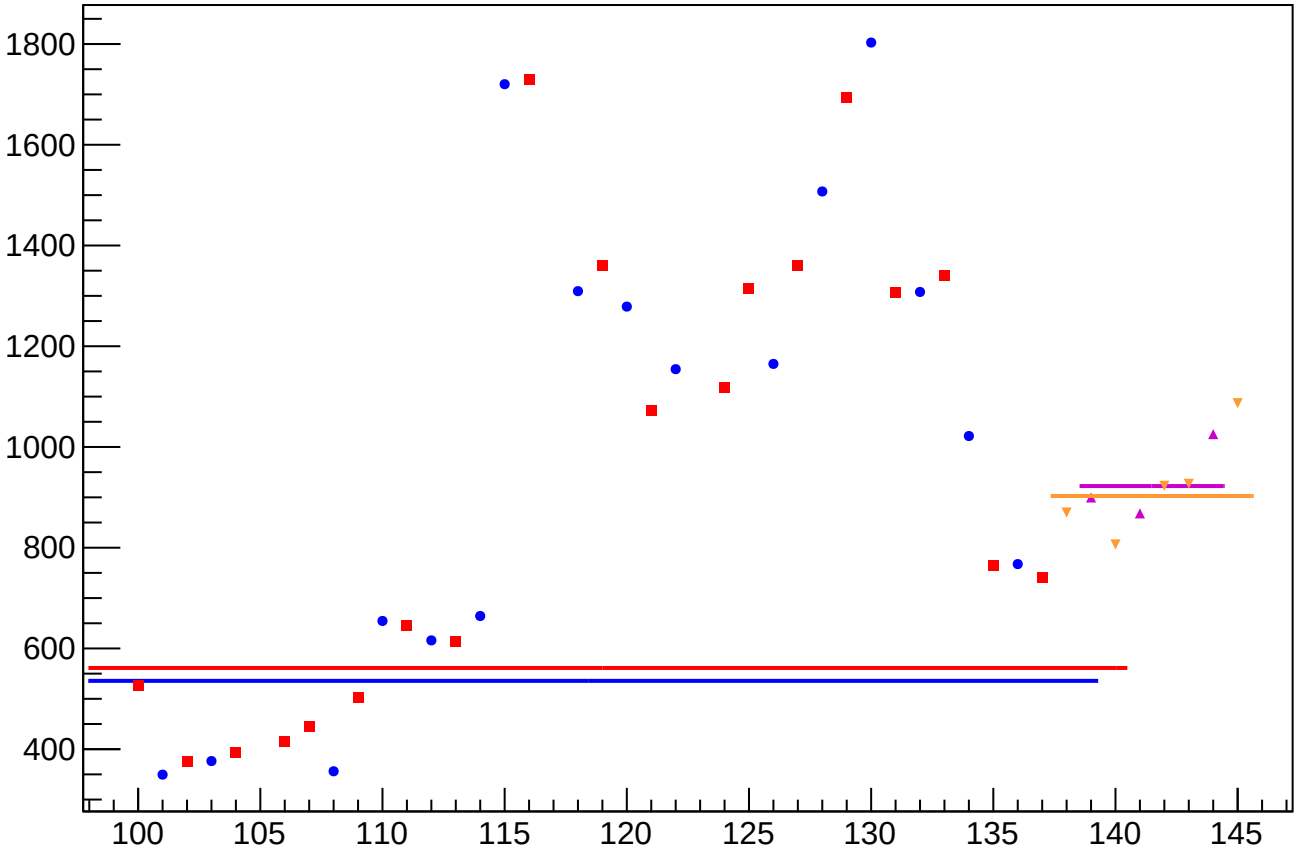
Left In: -353.782+/-571.494 χ^2/NDF:1.5/2

+ sign 183.766+/-207.362 χ^2/NDF: 24.2/20

All: 30.930+/-149.449 χ^2/NDF: 43.1/42

- sign -134.266+/-215.583 χ^2/NDF: 17.8/21

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

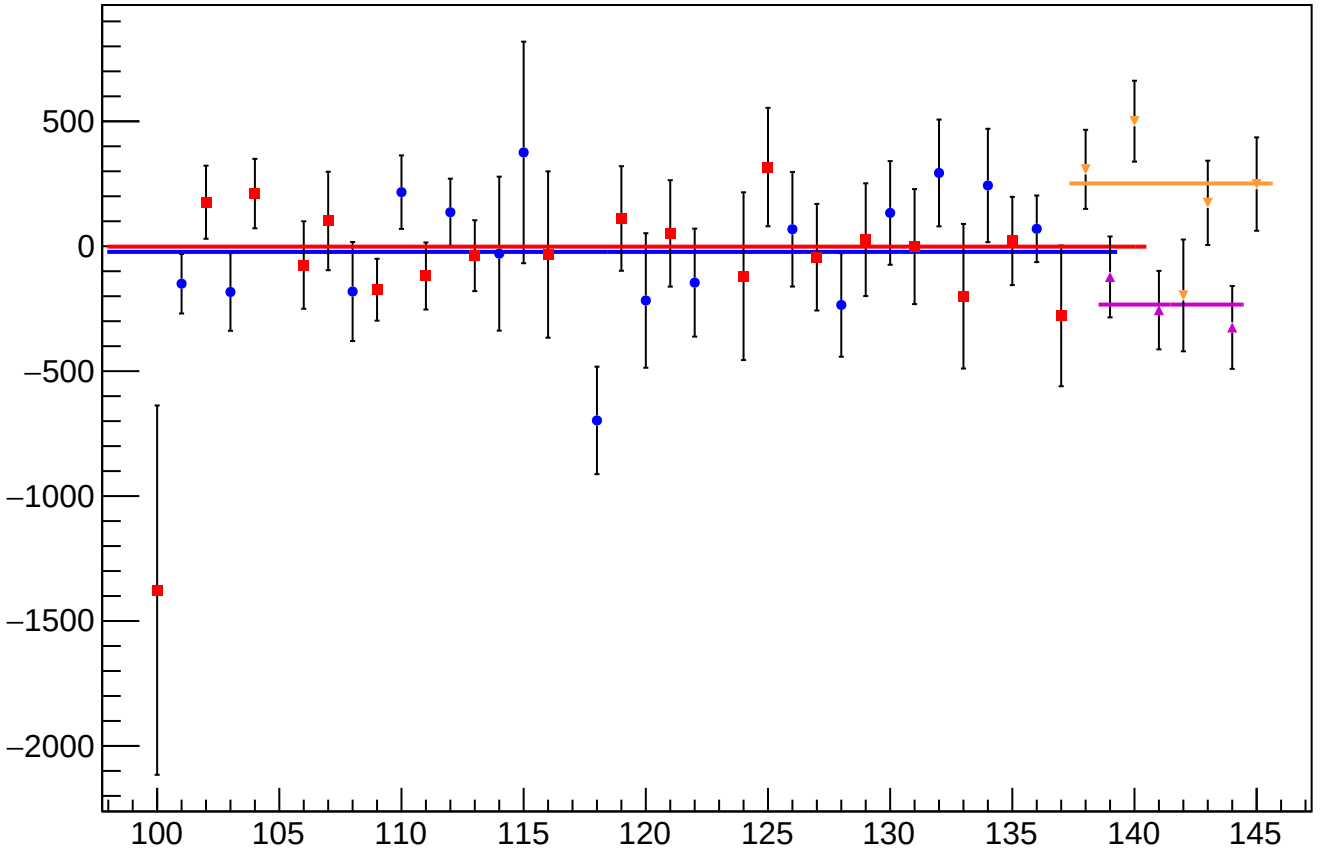
Left In: 922.437+/-0.404 χ^2/NDF:25967.1/2

+ sign 606.053+/-0.147 χ^2/NDF: 4677484.4/20

All: 609.230+/-0.106 χ^2/NDF: 8520295.9/42

- sign 612.664+/-0.152 χ^2/NDF: 3841834.7/21

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

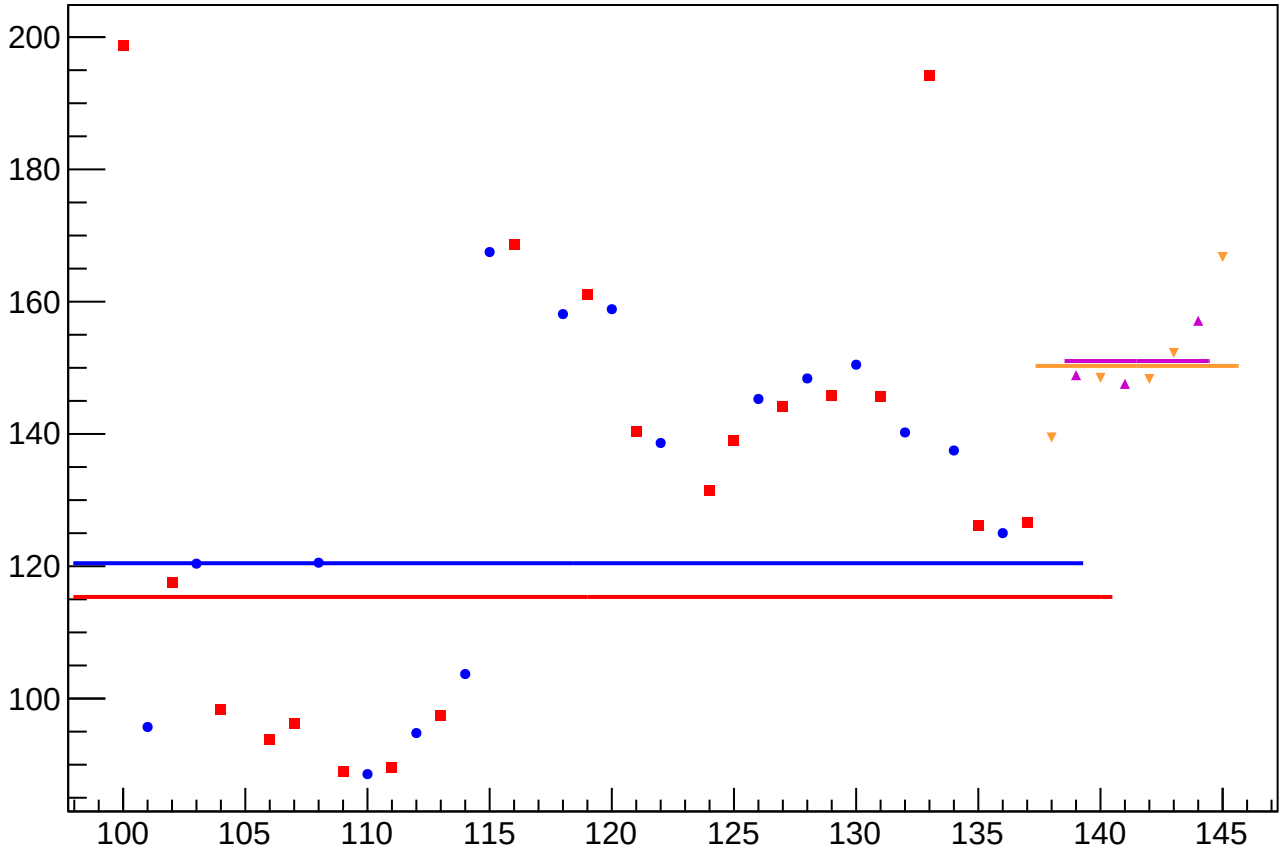
Left In: -233.504+/-93.239 χ^2/NDF:0.8/2

+ sign 47.017+/-39.642 χ^2/NDF: 40.0/20

All: 1.733+/-27.969 χ^2/NDF: 62.7/42

- sign -43.152+/-39.468 χ^2/NDF: 20.2/21

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

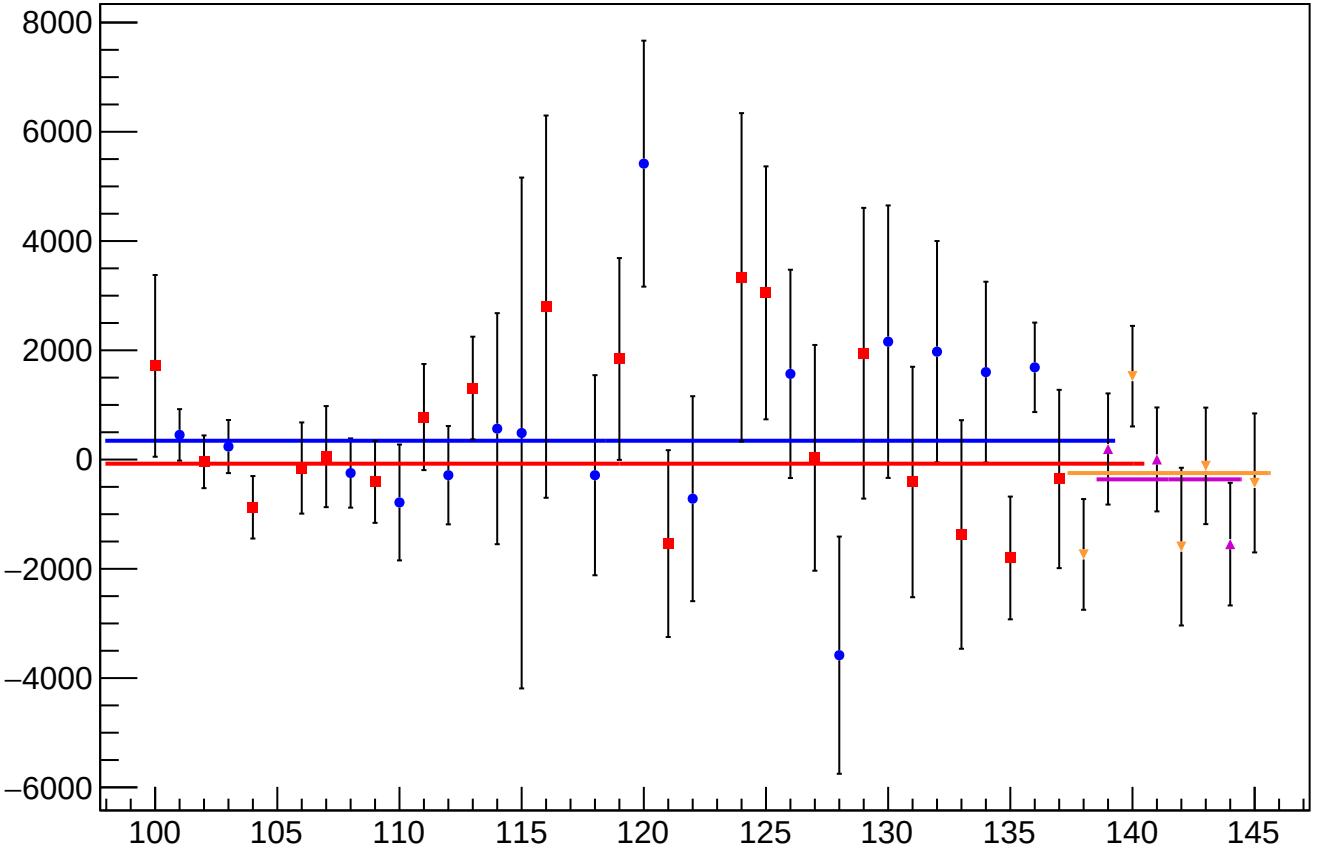
Left In: 151.025+/-0.066 χ^2/NDF:4004.3/2

+ sign 128.045+/-0.028 χ^2/NDF: 770628.2/20

All: 124.883+/-0.020 χ^2/NDF: 1807452.0/42

- sign 121.748+/-0.028 χ^2/NDF: 1011481.2/21

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

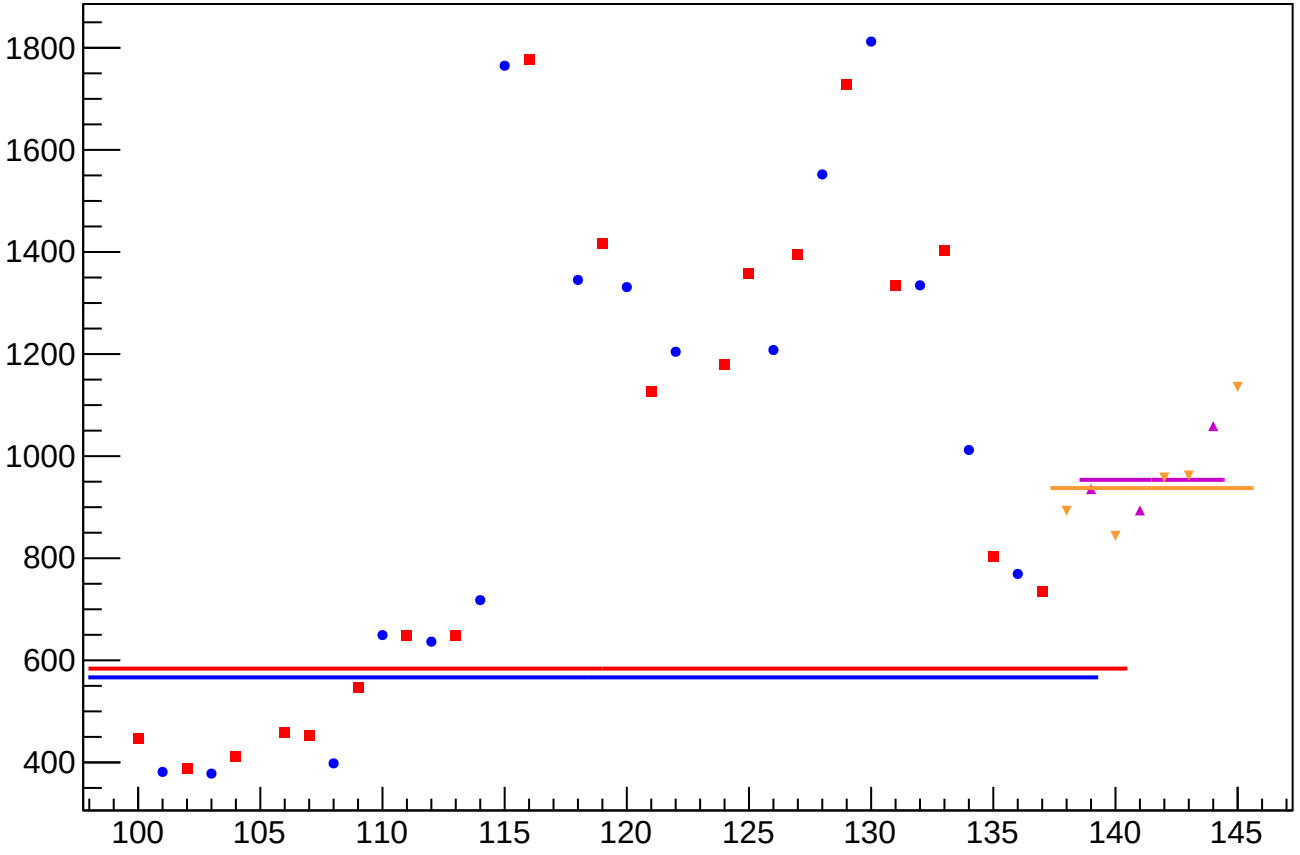
Left In: -362.436+/-590.854 χ^2/NDF:1.6/2

+ sign 229.626+/-216.819 χ^2/NDF: 24.2/20

All: 61.359+/-155.364 χ^2/NDF: 42.4/42

- sign -116.220+/-222.737 χ^2/NDF: 17.0/21

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

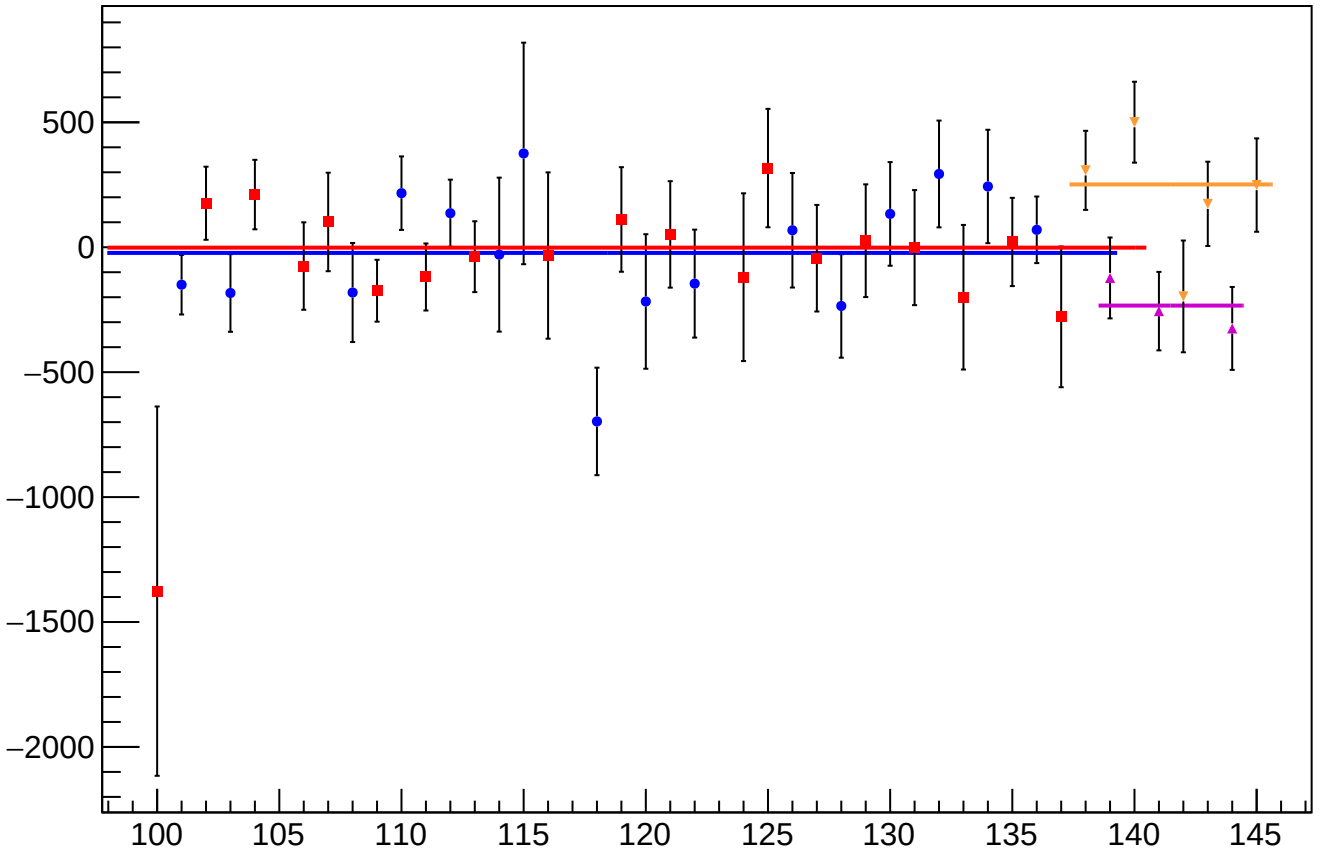
Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 953.605+/-0.418 χ^2/NDF:26149.7/2

+ sign 638.614+/-0.153 χ^2/NDF: 4422513.2/20

All: 637.511+/-0.110 χ^2/NDF: 8228423.5/42

- sign 636.348+/-0.157 χ^2/NDF: 3805804.0/21



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

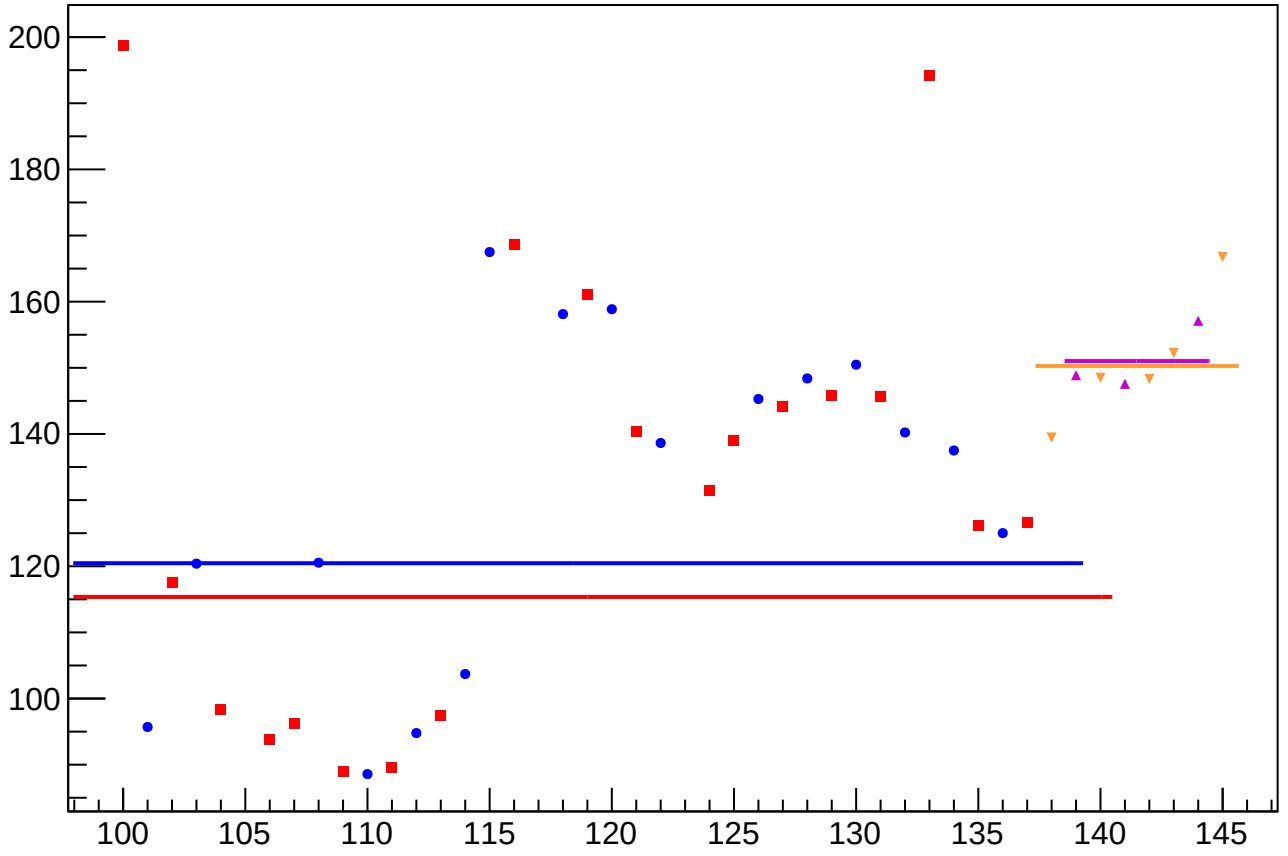
Left In: -233.503+/-93.239 χ^2/NDF:0.8/2

+ sign 47.016+/-39.642 χ^2/NDF: 40.0/20

All: 1.733+/-27.969 χ^2/NDF: 62.7/42

- sign -43.153+/-39.468 χ^2/NDF: 20.2/21

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

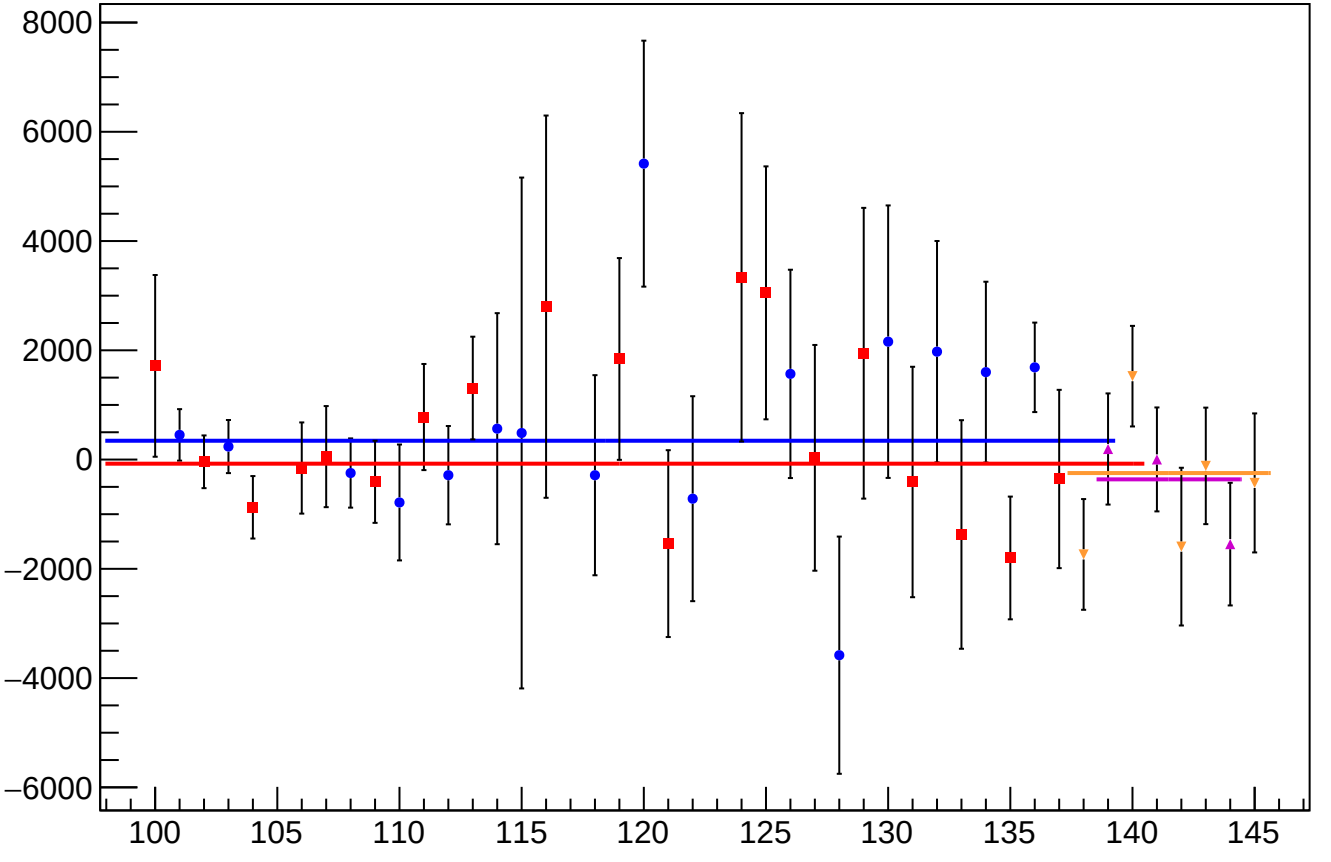
Left In: 151.025+/-0.066 χ^2/NDF:4004.3/2

\+ sign 128.045+/-0.028 χ^2/NDF: 770631.9/20

All: 124.882+/-0.020 χ^2/NDF: 1807454.8/42

\- sign 121.748+/-0.028 χ^2/NDF: 1011480.8/21

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

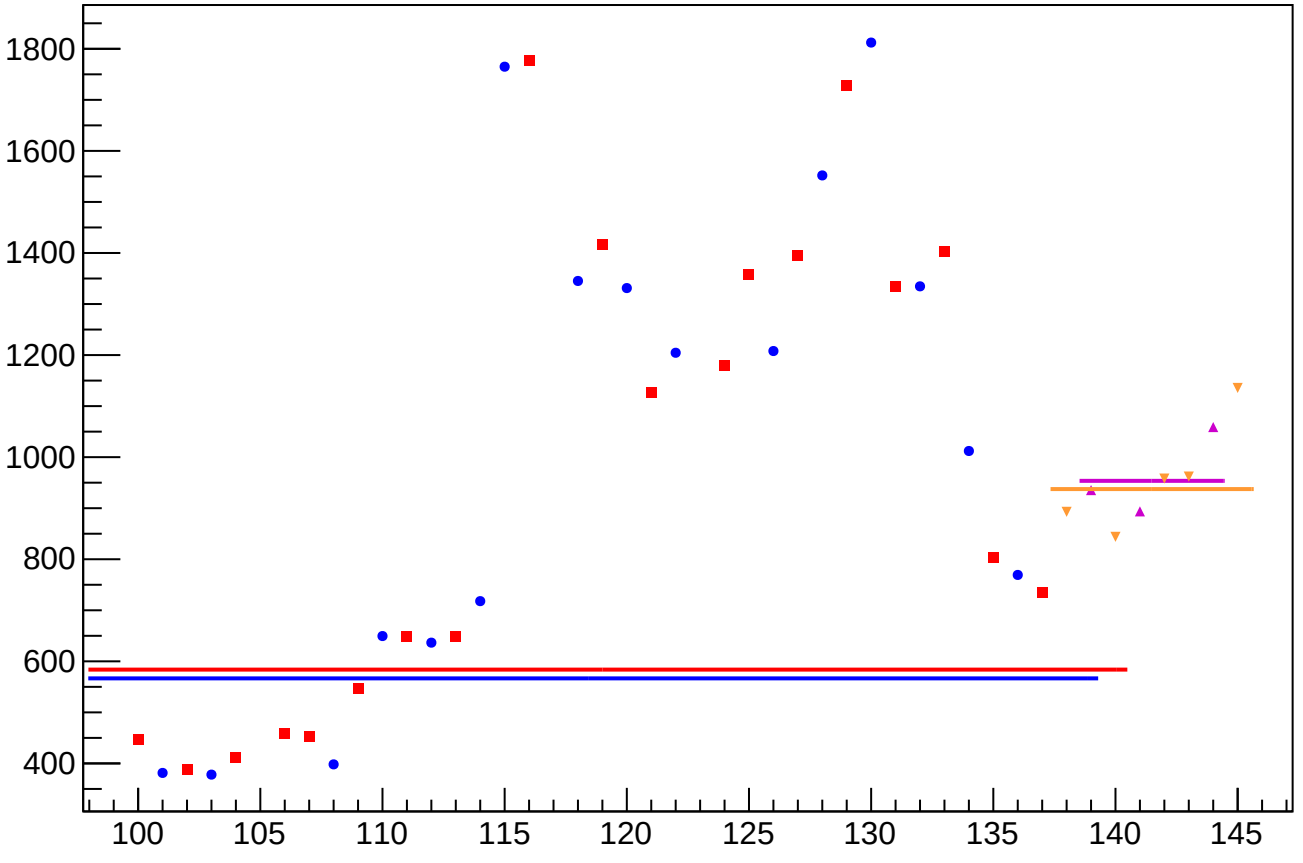
Left In: -362.434+/-590.853 χ^2/NDF:1.6/2

\+ sign 229.627+/-216.818 χ^2/NDF: 24.2/20

All: 61.359+/-155.364 χ^2/NDF: 42.4/42

\- sign -116.221+/-222.737 χ^2/NDF: 17.0/21

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

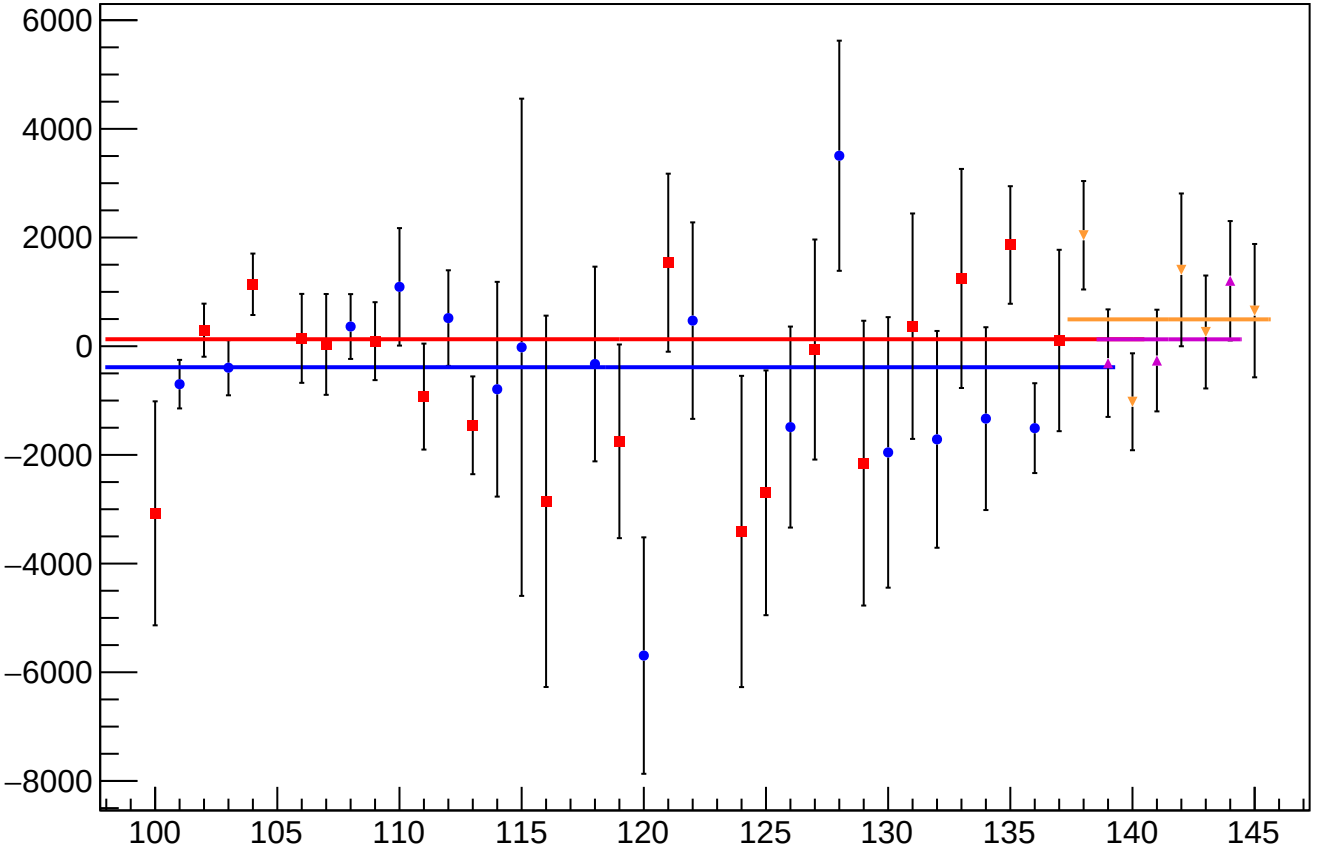
Left In: 953.604+/-0.418 χ^2/NDF:26150.2/2

+ sign 638.613+/-0.153 χ^2/NDF: 4422517.8/20

All: 637.511+/-0.110 χ^2/NDF: 8228428.8/42

- sign 636.348+/-0.157 χ^2/NDF: 3805804.7/21

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

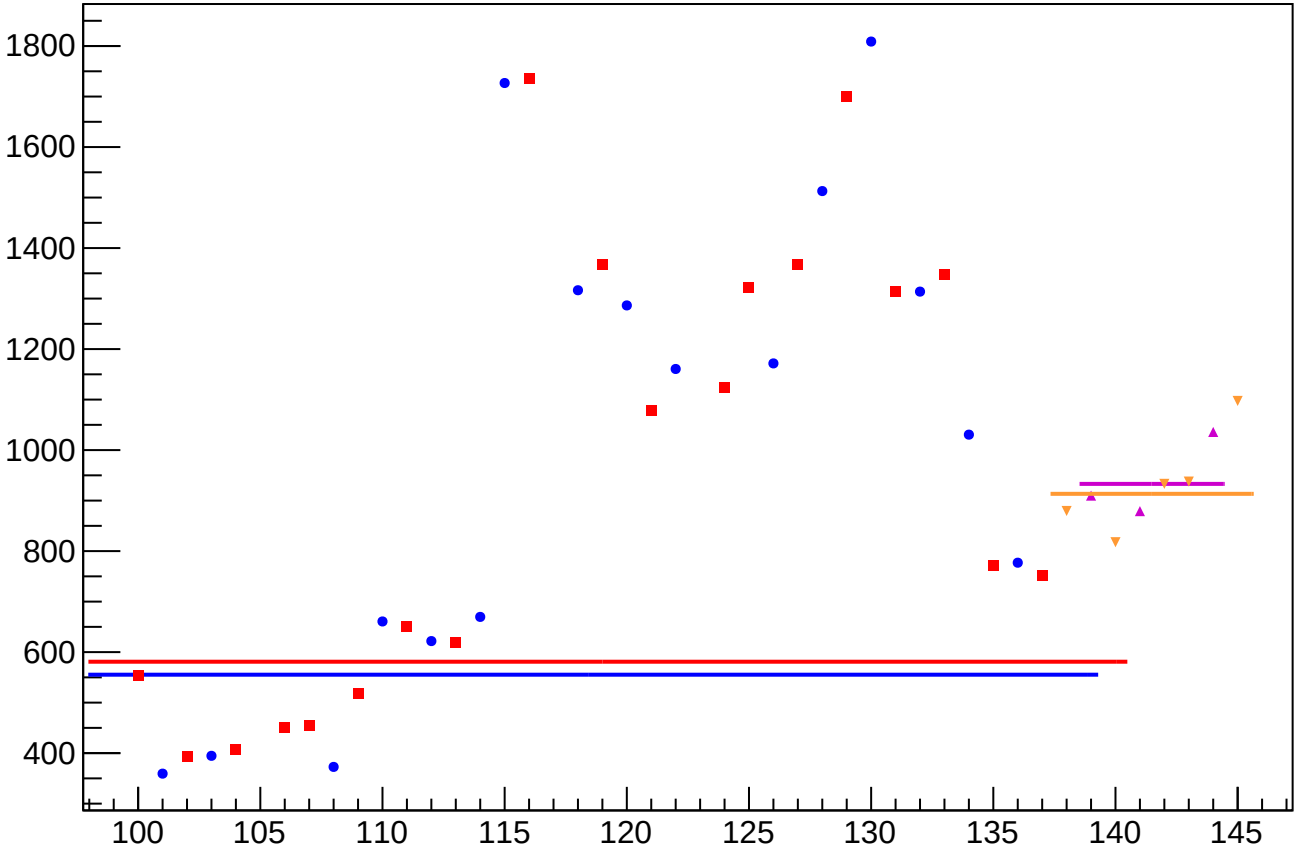
Left In: 126.862+/-578.015 χ^2/NDF:1.3/2

+ sign -212.719+/-212.801 χ^2/NDF: 26.4/20

All: -48.069+/-153.044 χ^2/NDF: 48.4/42

- sign 128.333+/-220.265 χ^2/NDF: 20.7/21

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

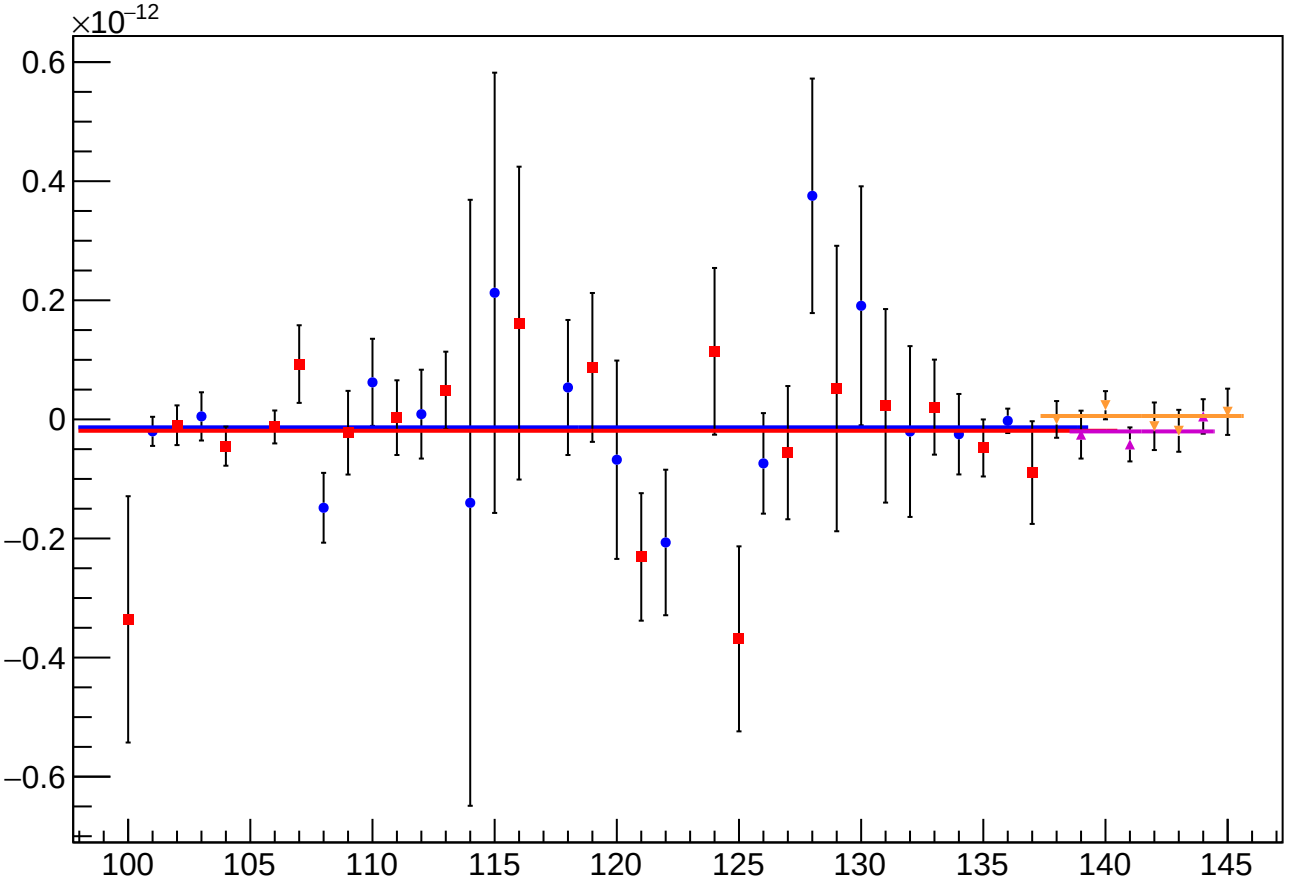
Left In: 933.076+/-0.409 χ^2/NDF:25289.6/2

+ sign 625.962+/-0.150 χ^2/NDF: 4451515.7/20

All: 628.936+/-0.108 χ^2/NDF: 8095471.1/42

- sign 632.123+/-0.156 χ^2/NDF: 3643146.1/21

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/4

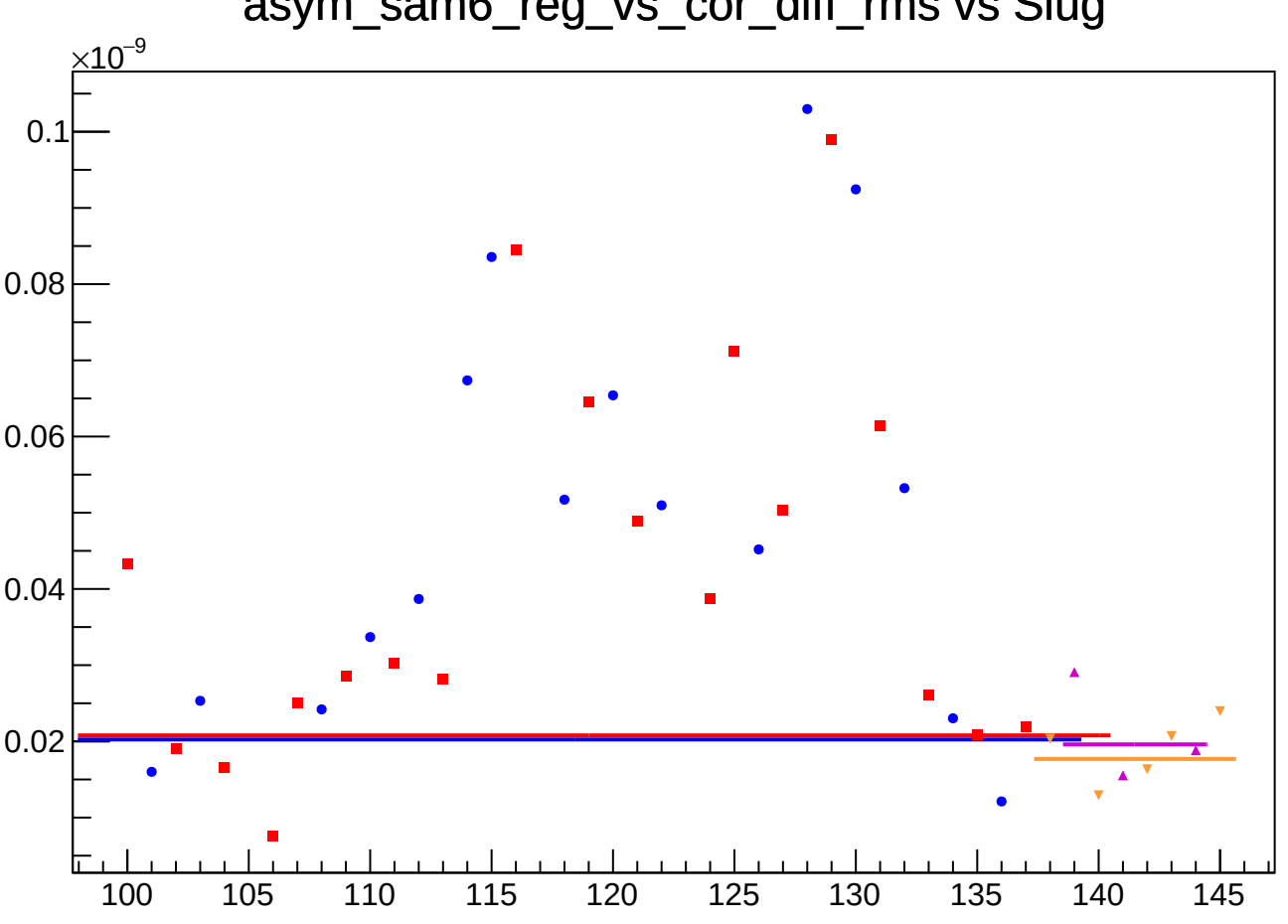
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 18.2/20

All: -0.000+/-0.000 χ^2/NDF: 40.5/42

- sign -0.000+/-0.000 χ^2/NDF: 21.2/21



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

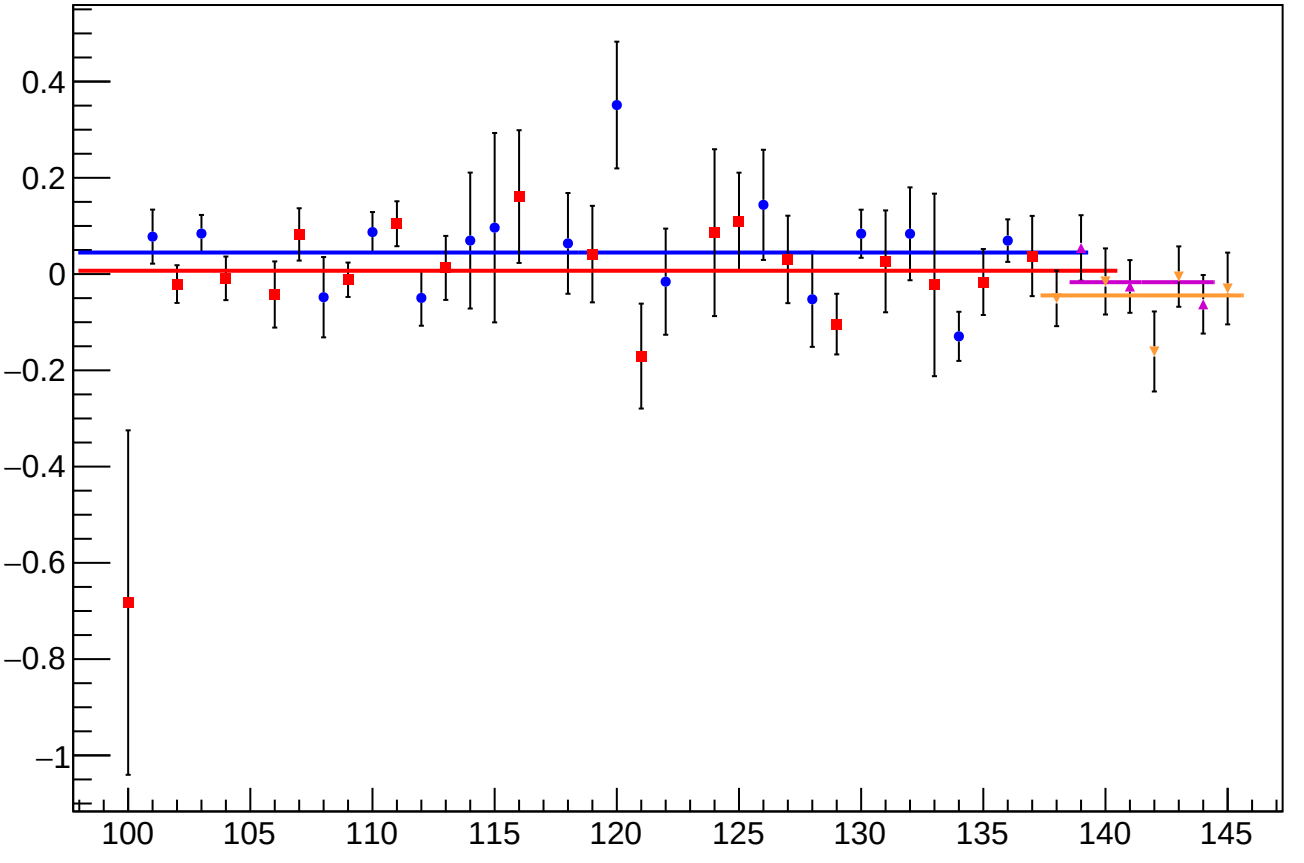
Left In: 0.000+/-0.000 χ^2/NDF:153094.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 2204533.2/20

All: 0.000+/-0.000 χ^2/NDF: 4233753.8/42

- sign 0.000+/-0.000 χ^2/NDF: 2014354.8/21

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

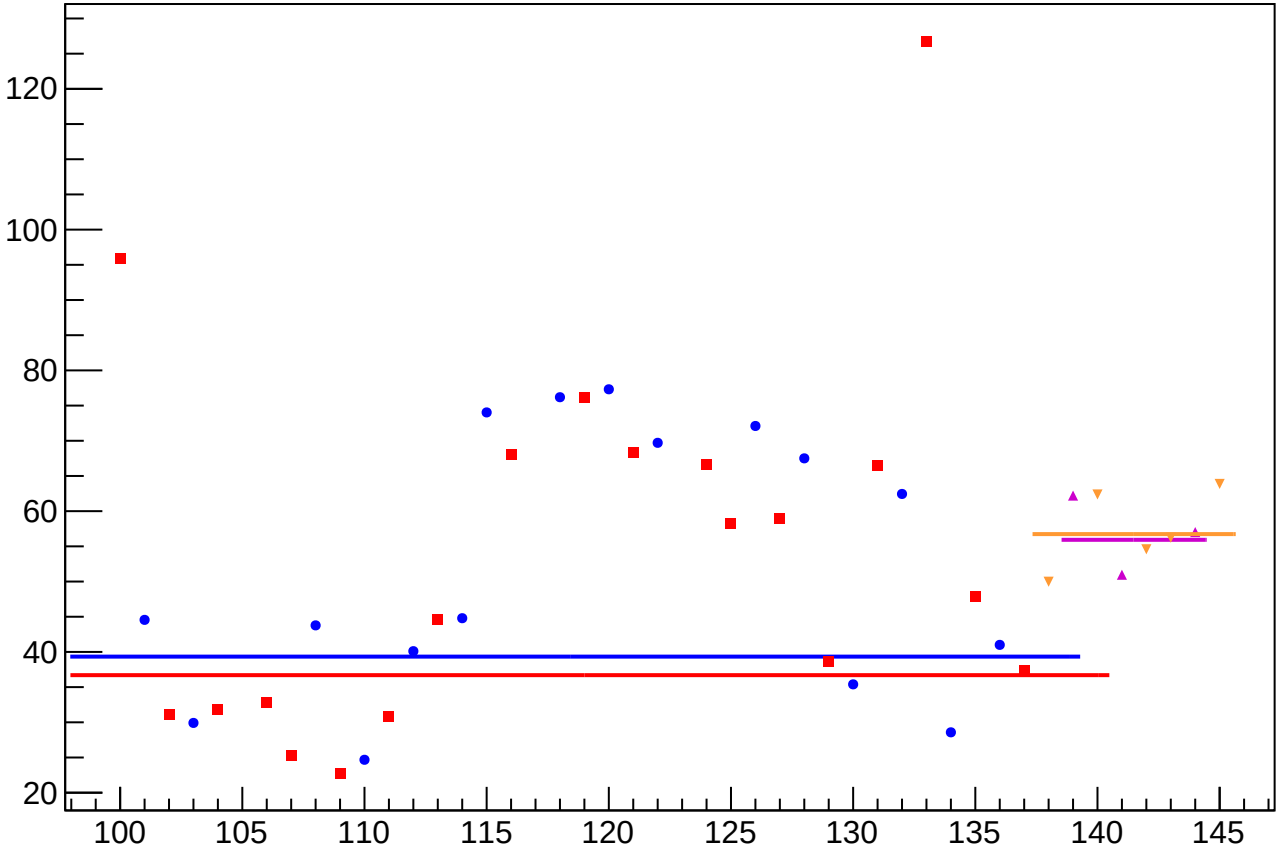
Left In: -0.017+/-0.035 χ^2/NDF:1.7/2

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/20

All: 0.014+/-0.010 χ^2/NDF: 59.4/42

- sign 0.003+/-0.014 χ^2/NDF: 22.2/21

asym_sam6_dit_vs_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

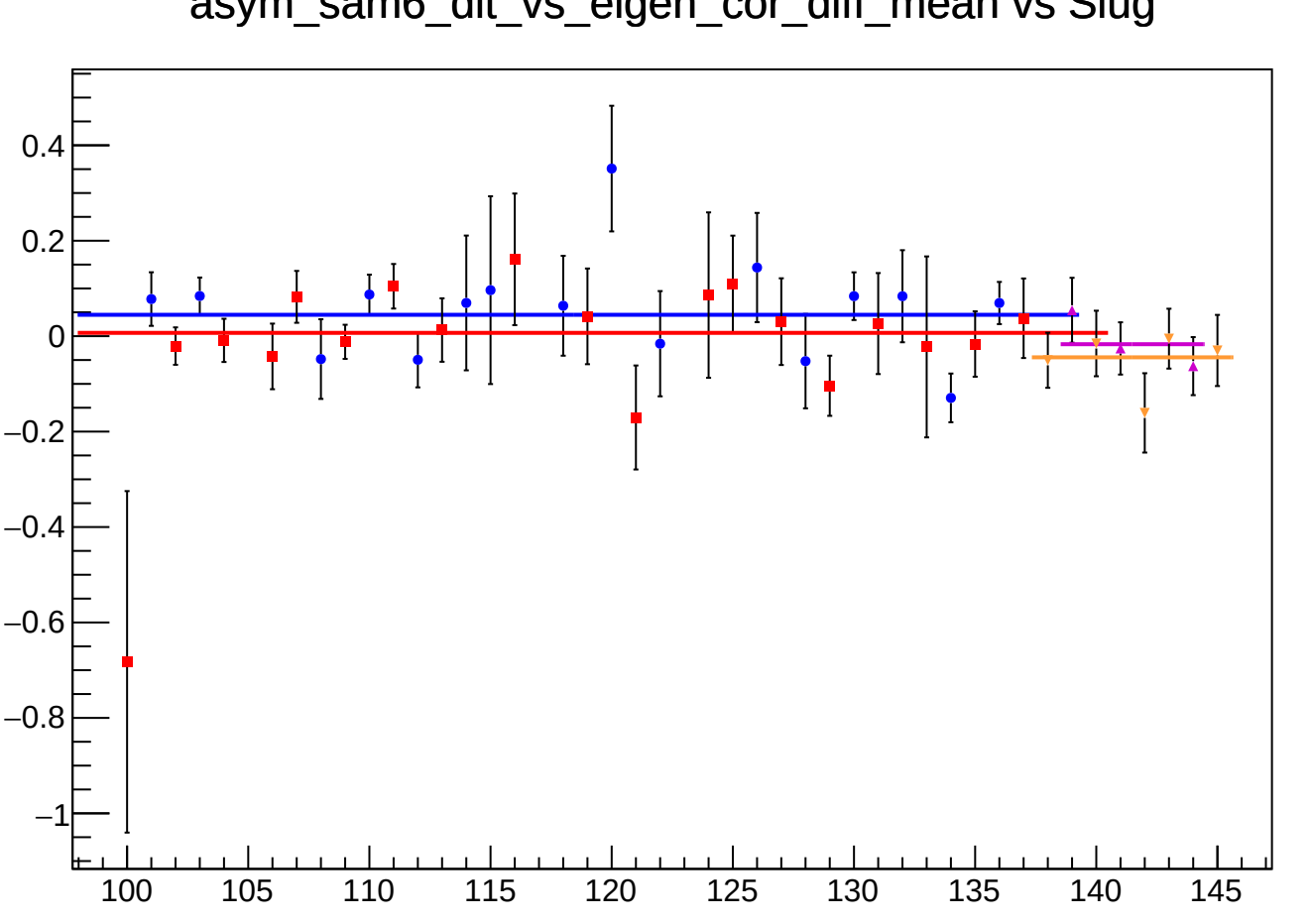
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.929+/-0.025 χ^2/NDF:34139.8/2

+ sign 43.143+/-0.010 χ^2/NDF: 2143717.1/20

All: 41.402+/-0.007 χ^2/NDF: 4844640.7/42

- sign 39.733+/-0.010 χ^2/NDF: 2641714.9/21



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

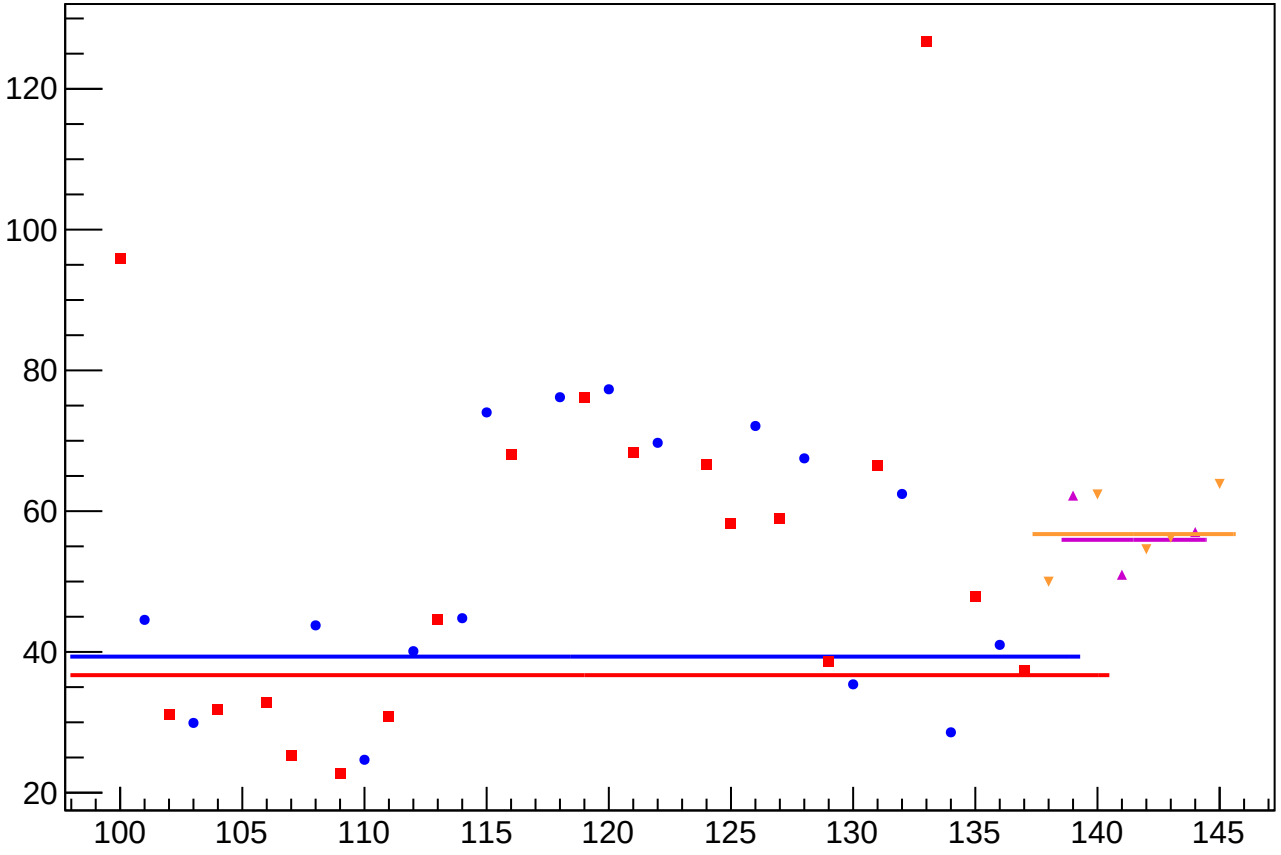
Left In: -0.017+/-0.035 χ^2/NDF:1.7/2

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/20

All: 0.014+/-0.010 χ^2/NDF: 59.4/42

- sign 0.003+/-0.014 χ^2/NDF: 22.2/21

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

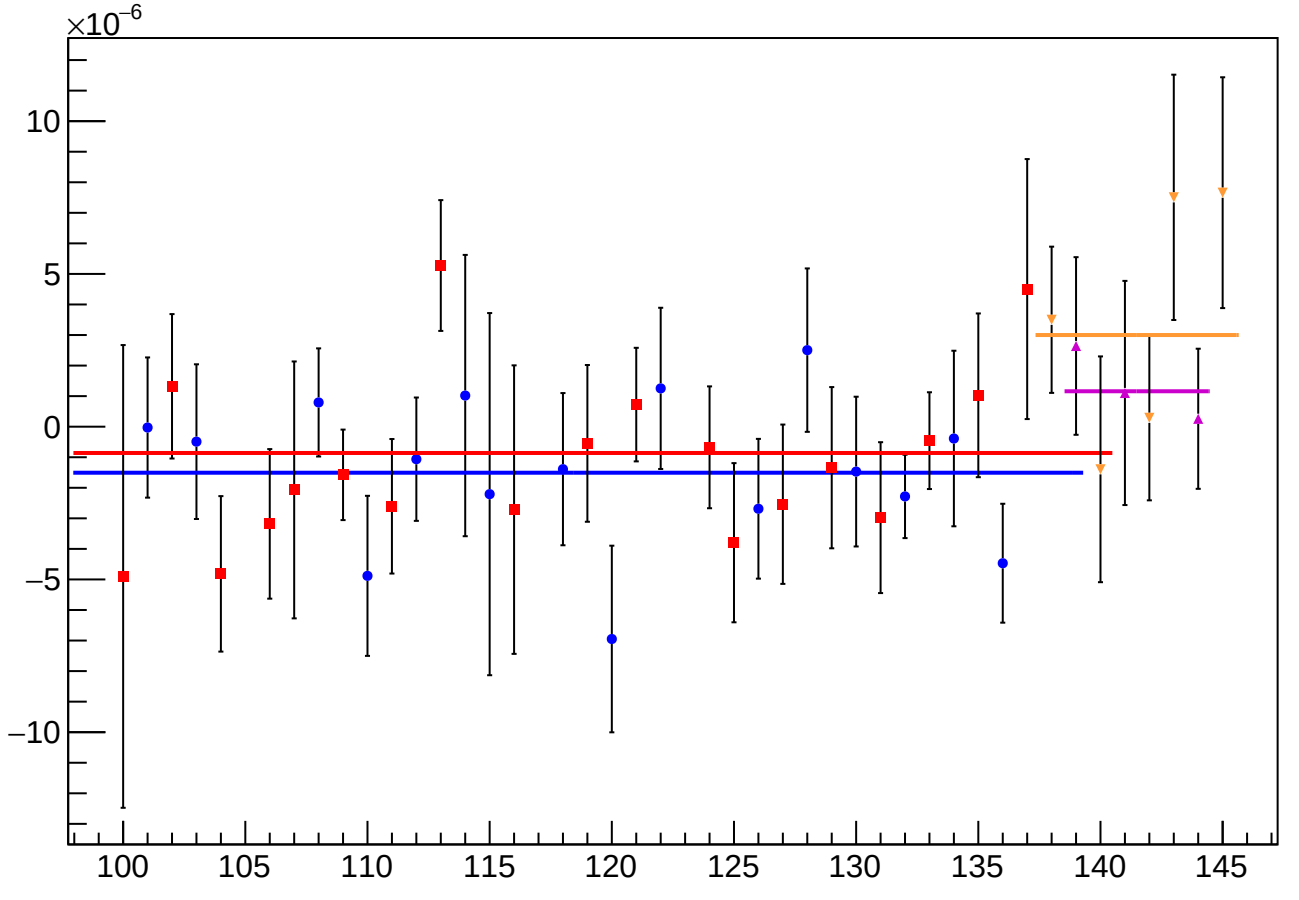
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.929+/-0.025 χ^2/NDF:34139.8/2

+ sign 43.143+/-0.010 χ^2/NDF: 2143717.1/20

All: 41.402+/-0.007 χ^2/NDF: 4844640.7/42

- sign 39.733+/-0.010 χ^2/NDF: 2641714.9/21



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

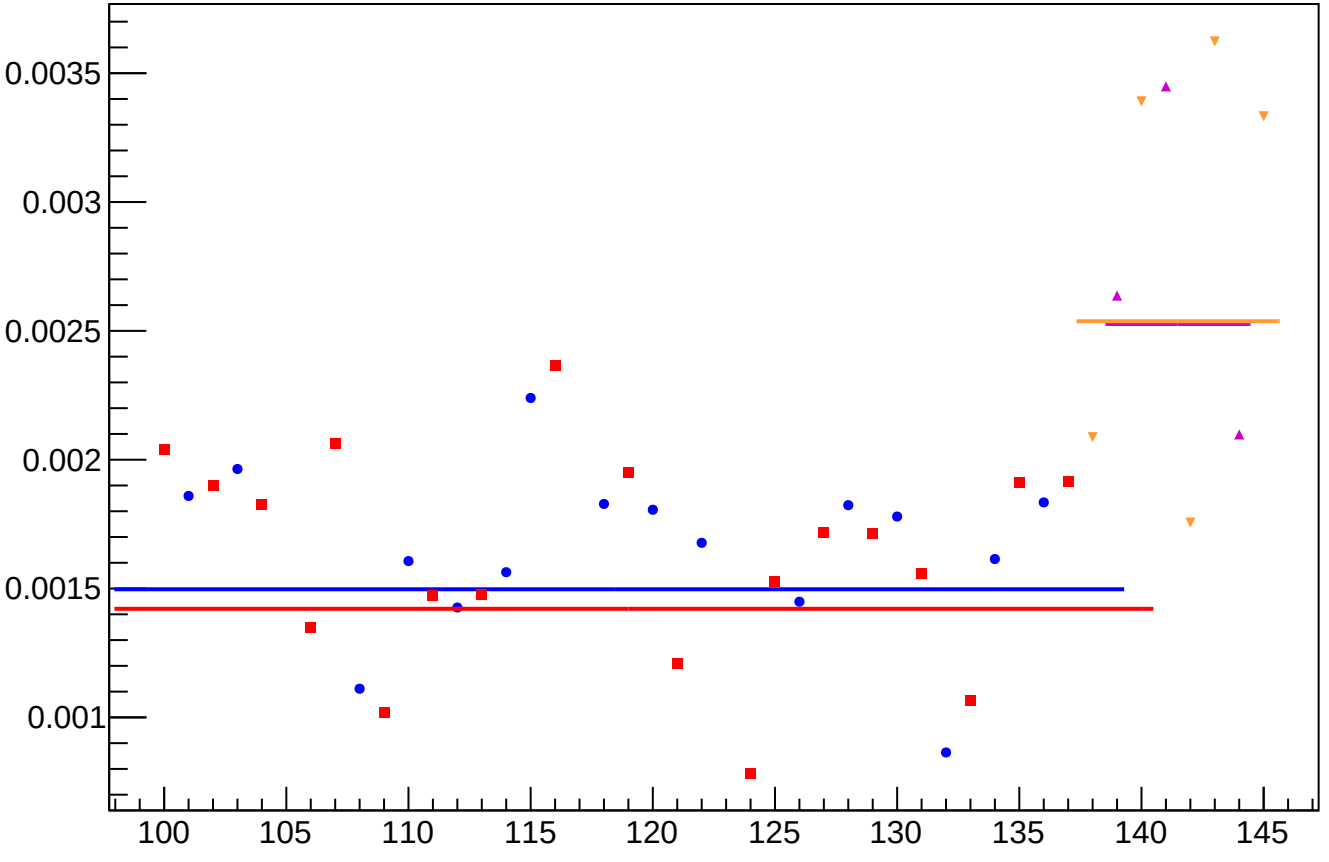
Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

\+ sign -0.000+/-0.000 χ^2/NDF: 28.1/20

All: -0.000+/-0.000 χ^2/NDF: 49.1/42

\- sign -0.000+/-0.000 χ^2/NDF: 20.9/21

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

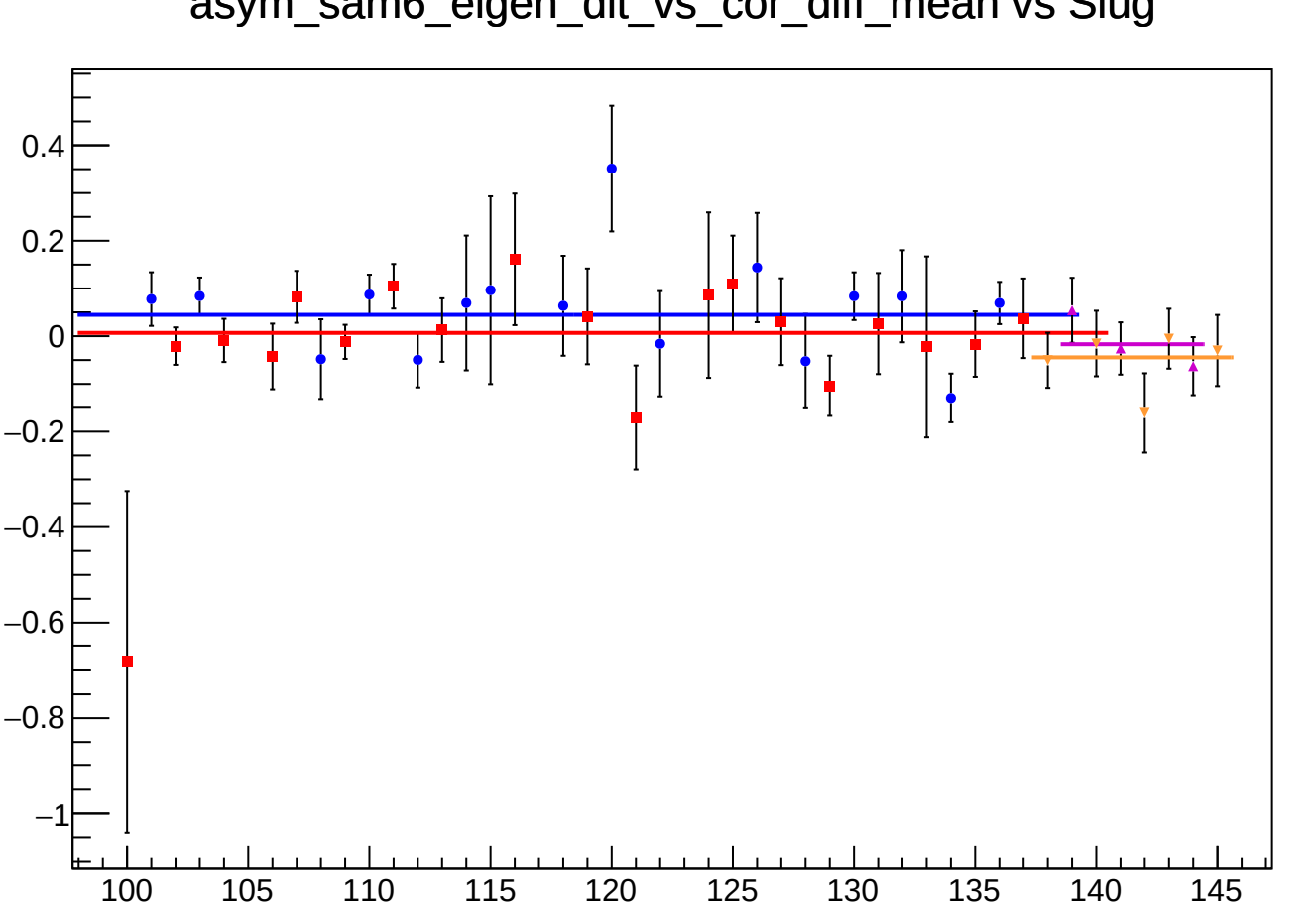
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:199121.5/2

+ sign 0.002+/-0.000 χ^2/NDF: 2399513.4/20

All: 0.002+/-0.000 χ^2/NDF: 4487587.3/42

- sign 0.002+/-0.000 χ^2/NDF: 2037678.6/21



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

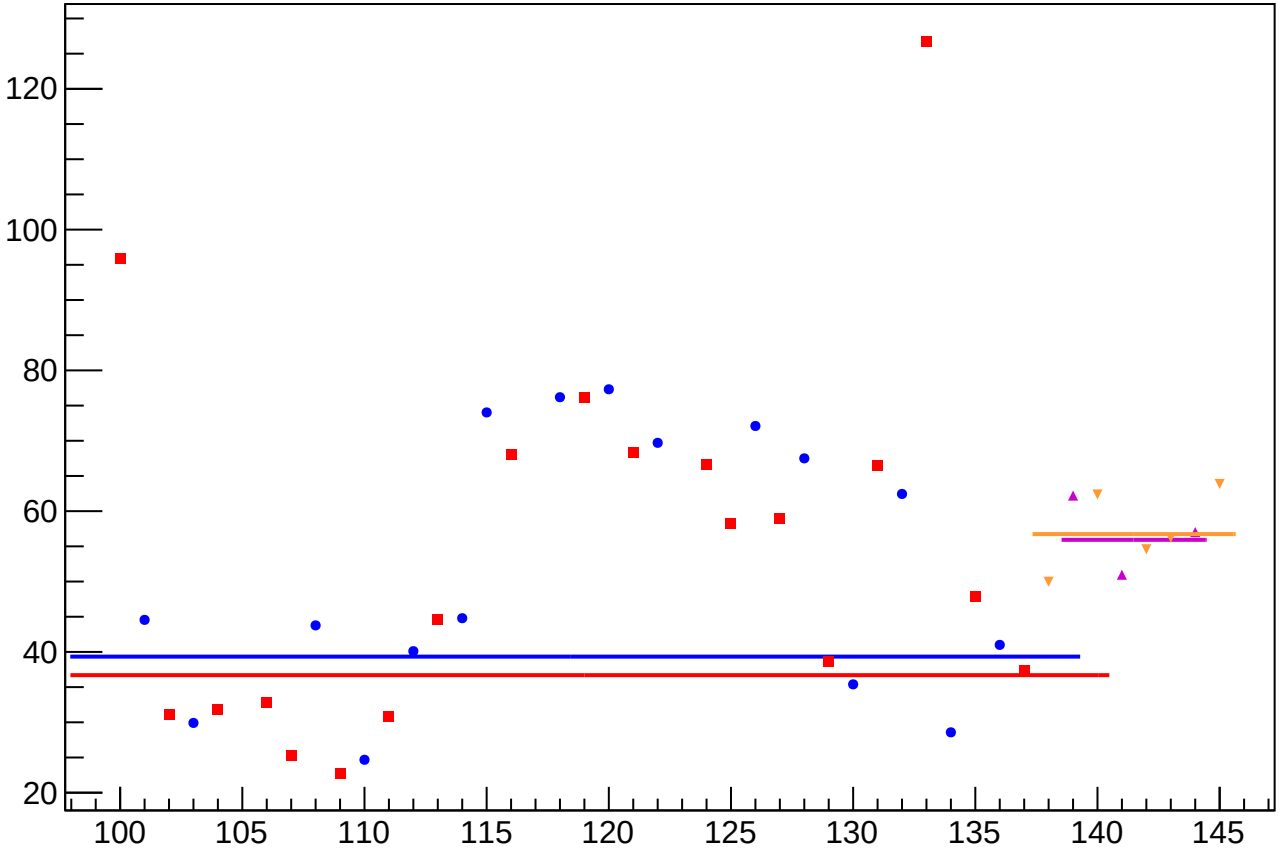
Left In: -0.017+/-0.035 χ^2/NDF:1.7/2

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/20

All: 0.014+/-0.010 χ^2/NDF: 59.4/42

- sign 0.003+/-0.014 χ^2/NDF: 22.2/21

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

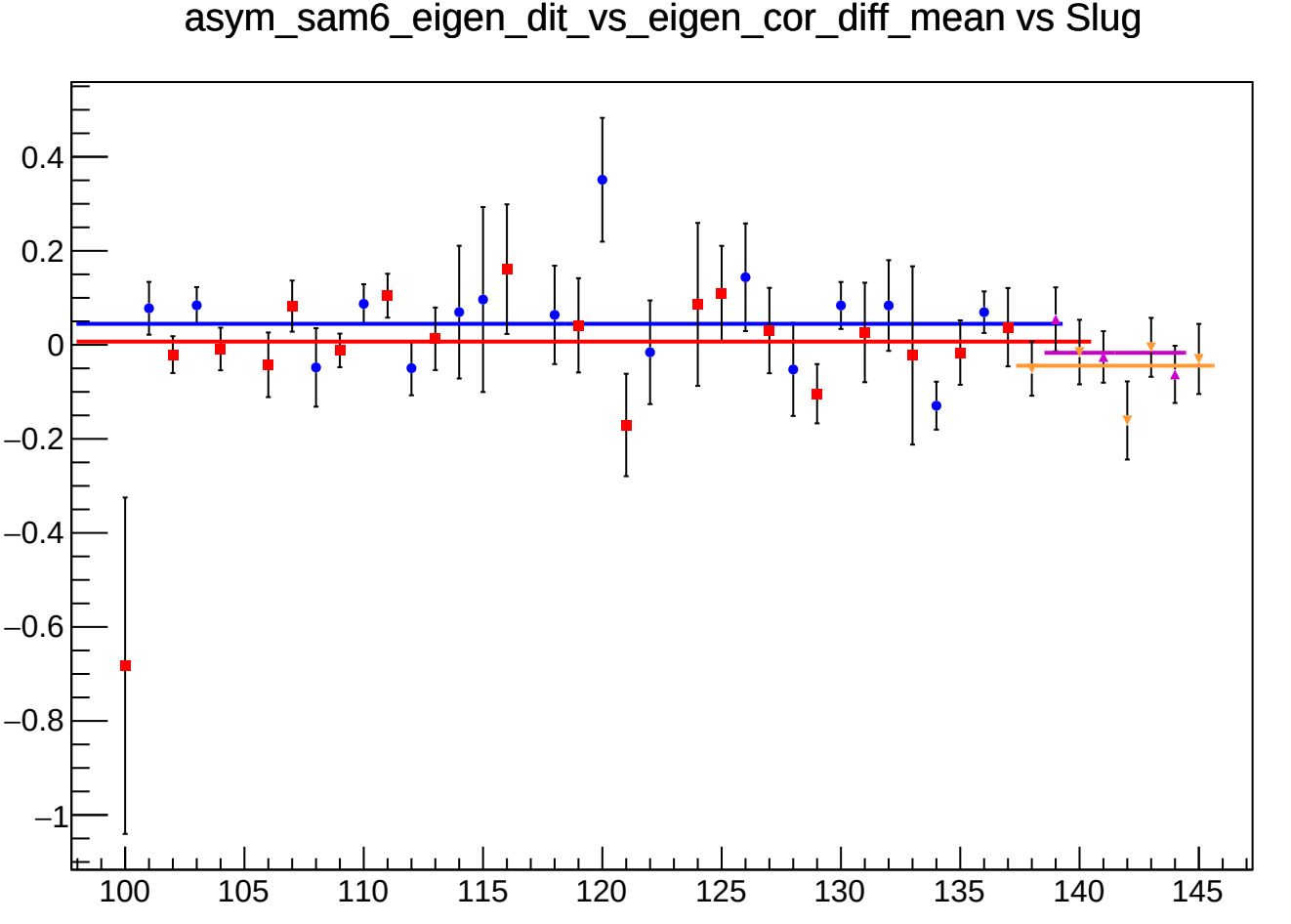
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.928+/-0.025 χ^2/NDF:34146.3/2

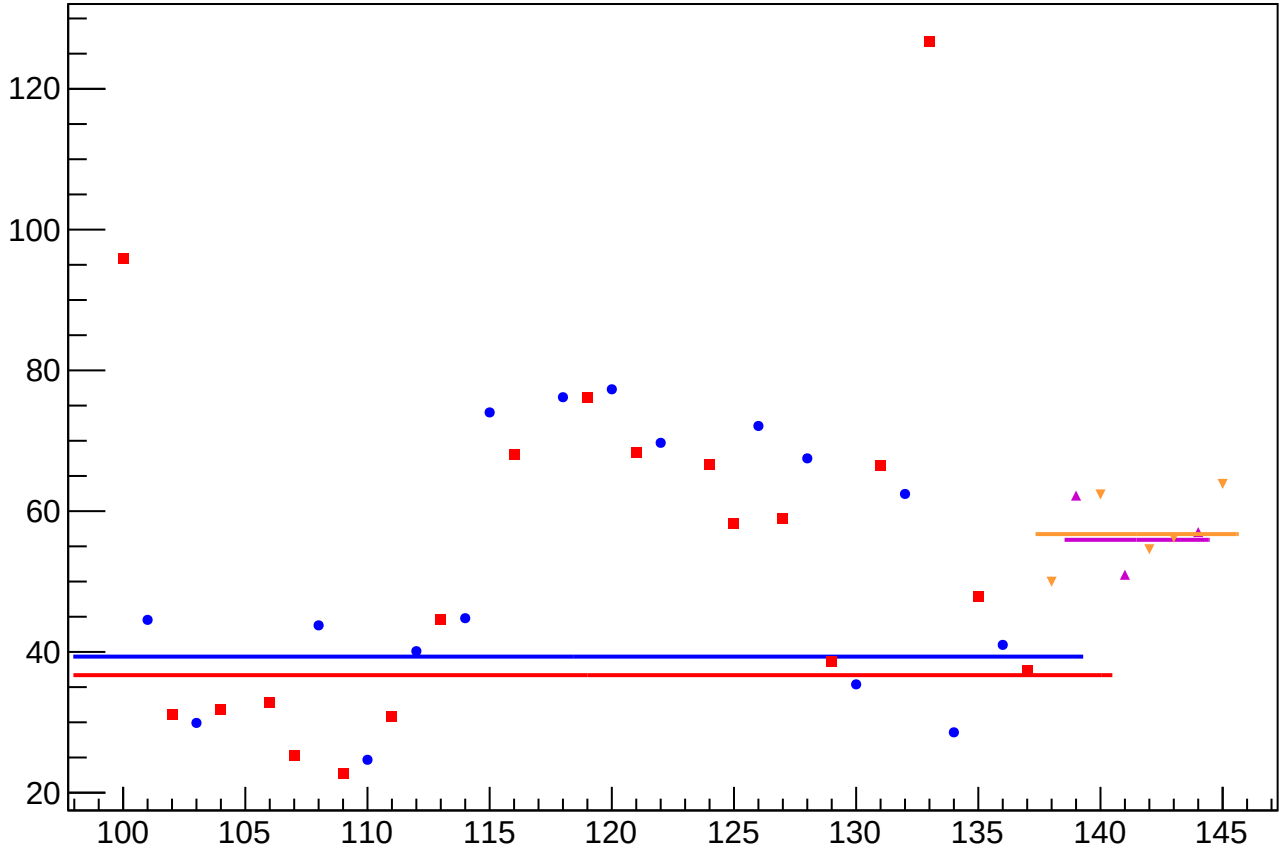
+ sign 43.142+/-0.010 χ^2/NDF: 2143734.9/20

All: 41.402+/-0.007 χ^2/NDF: 4844640.3/42

- sign 39.732+/-0.010 χ^2/NDF: 2641704.6/21


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
105
110
115
120
125
130
135
140
145
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: -0.044+/-0.030 χ²/NDF:2.6/4
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.017+/-0.035 χ²/NDF:1.7/2
+ sign 0.025+/-0.014 χ²/NDF: 36.0/20
All: 0.014+/-0.010 χ²/NDF: 59.4/42
- sign 0.003+/-0.014 χ²/NDF: 22.2/21

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 56.740+/-0.021 χ^2/NDF:60700.6/4

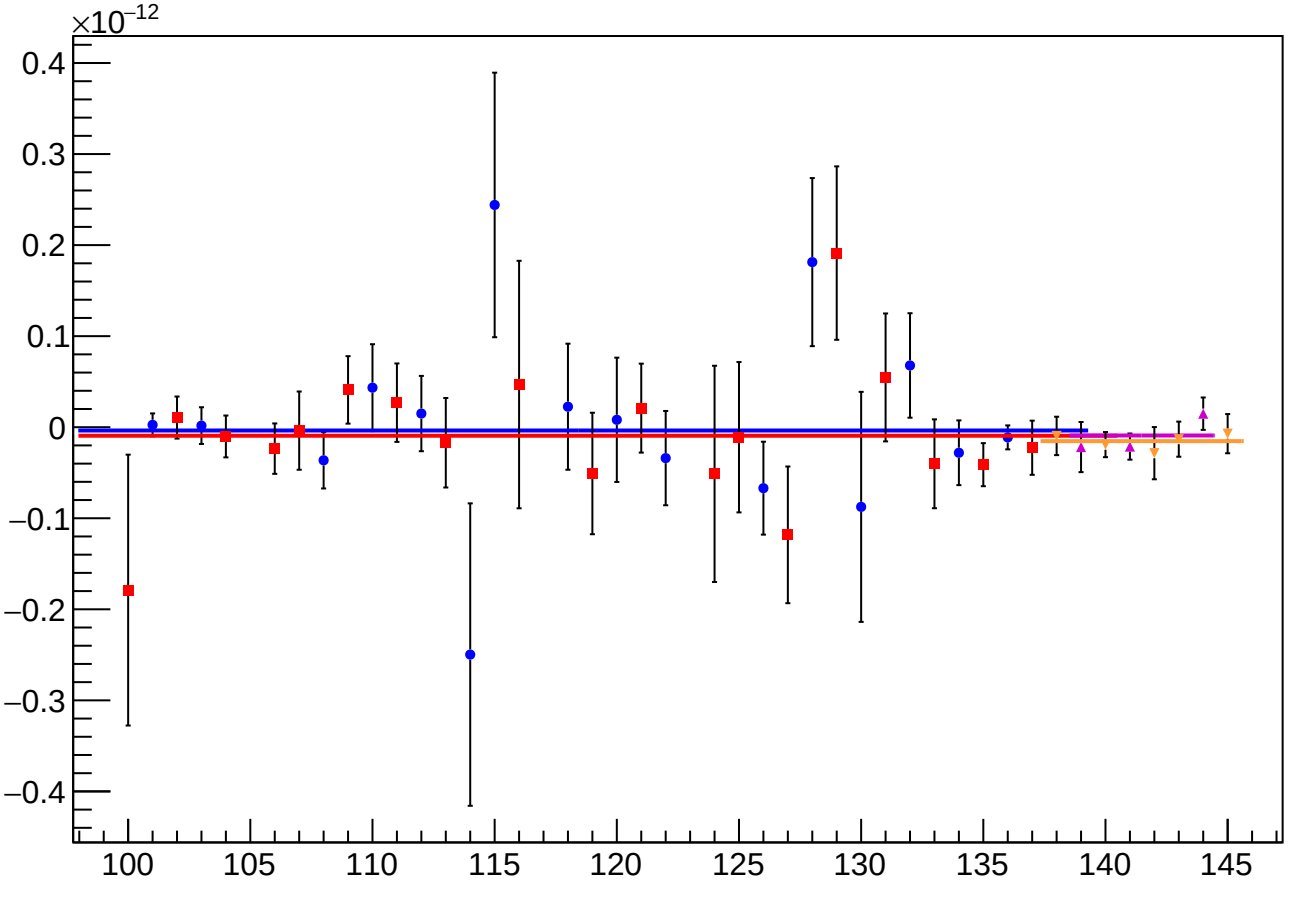
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.928+/-0.025 χ^2/NDF:34146.3/2

+ sign 43.142+/-0.010 χ^2/NDF: 2143734.9/20

All: 41.402+/-0.007 χ^2/NDF: 4844640.3/42

- sign 39.732+/-0.010 χ^2/NDF: 2641704.6/21



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/4

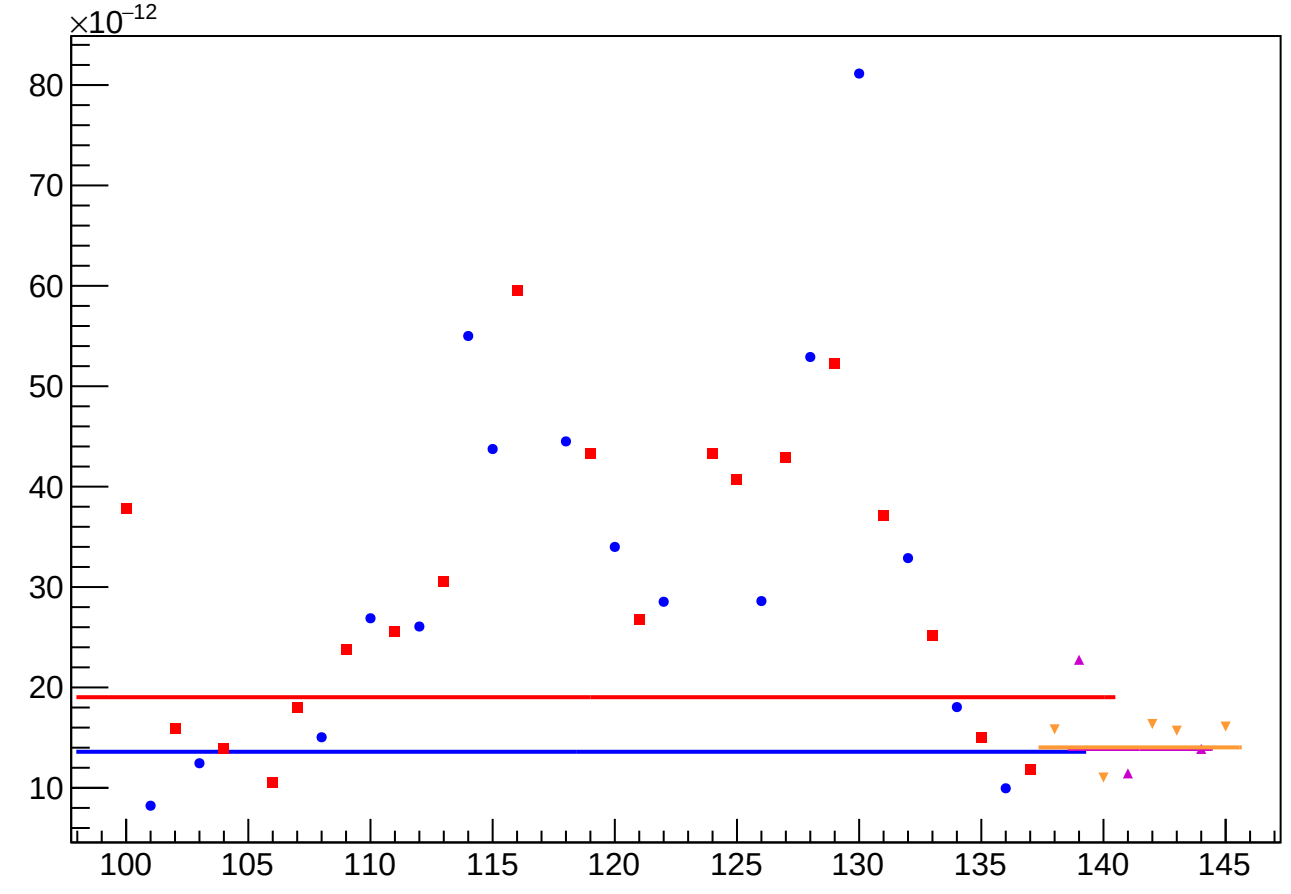
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 18.2/20

All: -0.000+/-0.000 χ^2/NDF: 36.7/42

- sign -0.000+/-0.000 χ^2/NDF: 18.5/21



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

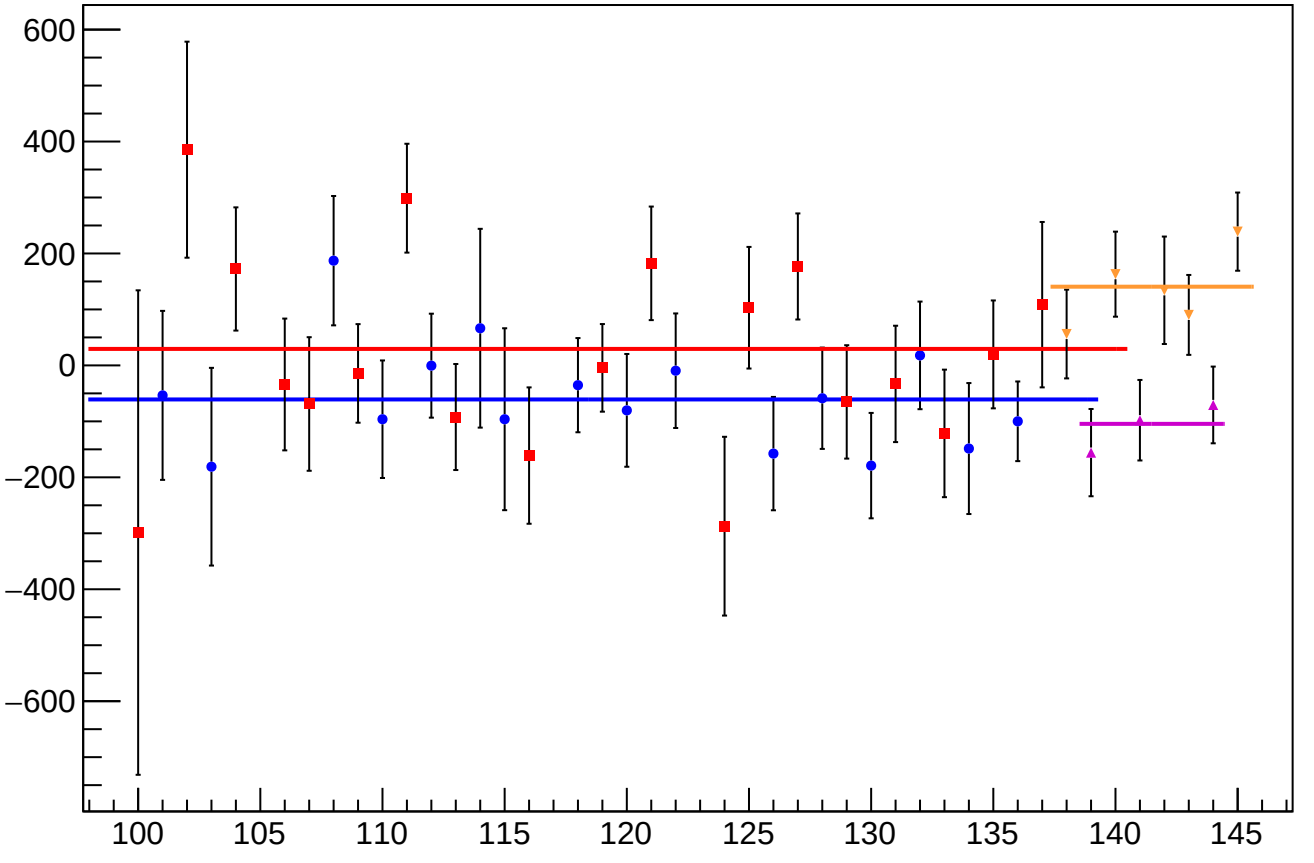
Left In: 0.000+/-0.000 χ^2/NDF:265619.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 3346222.0/20

All: 0.000+/-0.000 χ^2/NDF: 6175911.7/42

- sign 0.000+/-0.000 χ^2/NDF: 2595253.9/21

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

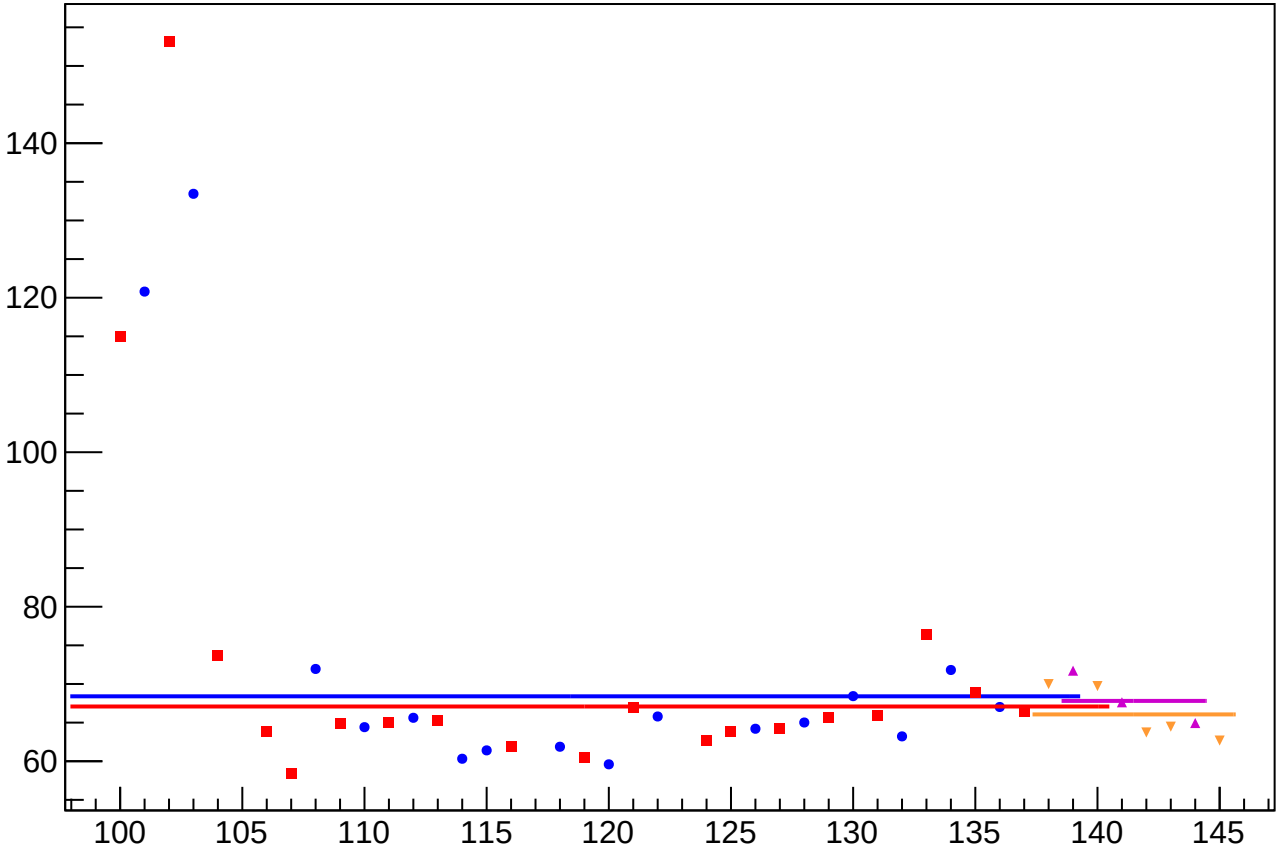
Left In: -104.465+/-41.862 χ^2/NDF:0.7/2

+ sign 12.420+/-20.784 χ^2/NDF: 36.0/20

All: 3.549+/-14.953 χ^2/NDF: 75.8/42

- sign -5.971+/-21.530 χ^2/NDF: 39.4/21

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

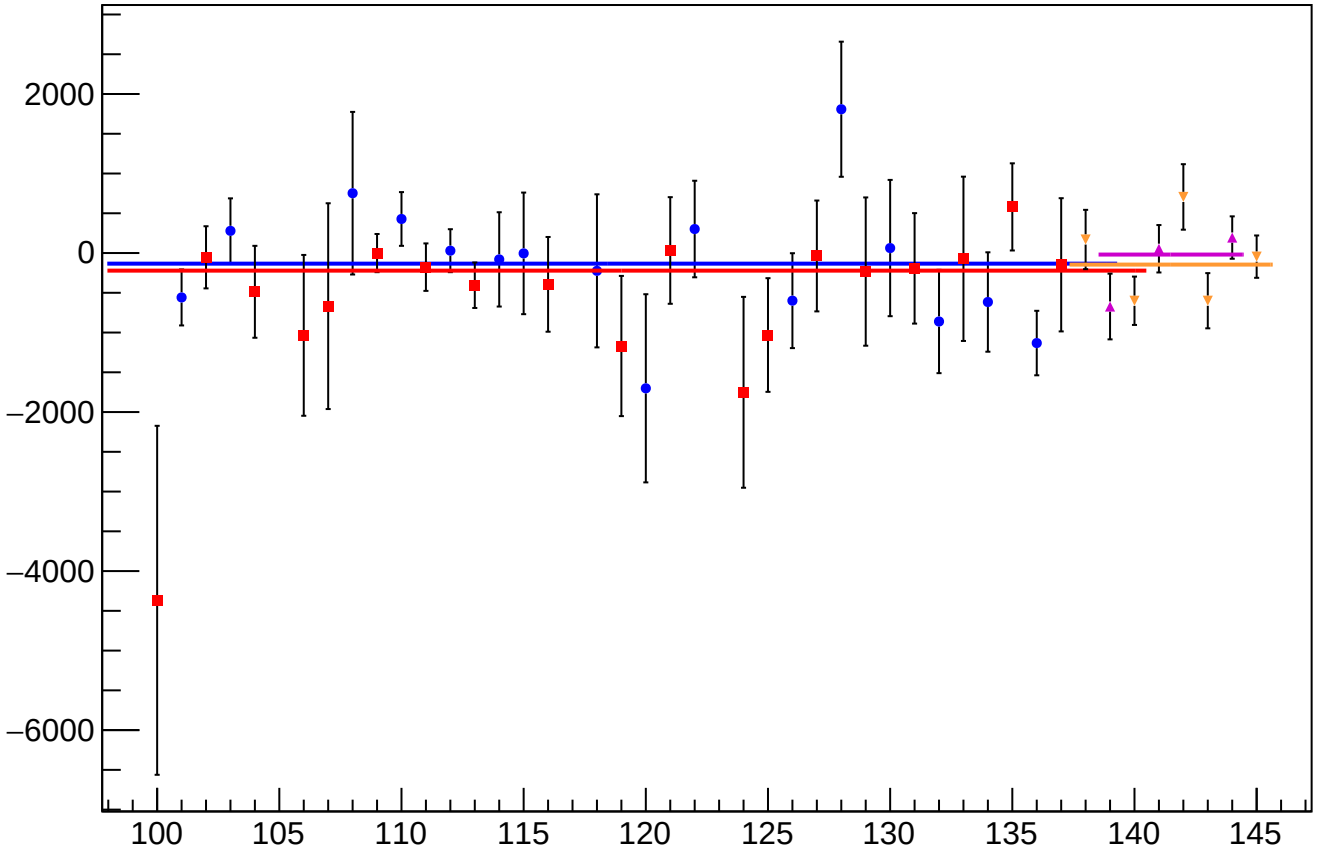
Left In: 67.810+/-0.030 χ^2/NDF:8542.3/2

+ sign 67.552+/-0.015 χ^2/NDF: 591861.1/20

All: 67.419+/-0.011 χ^2/NDF: 1082826.8/42

- sign 67.277+/-0.015 χ^2/NDF: 490797.7/21

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

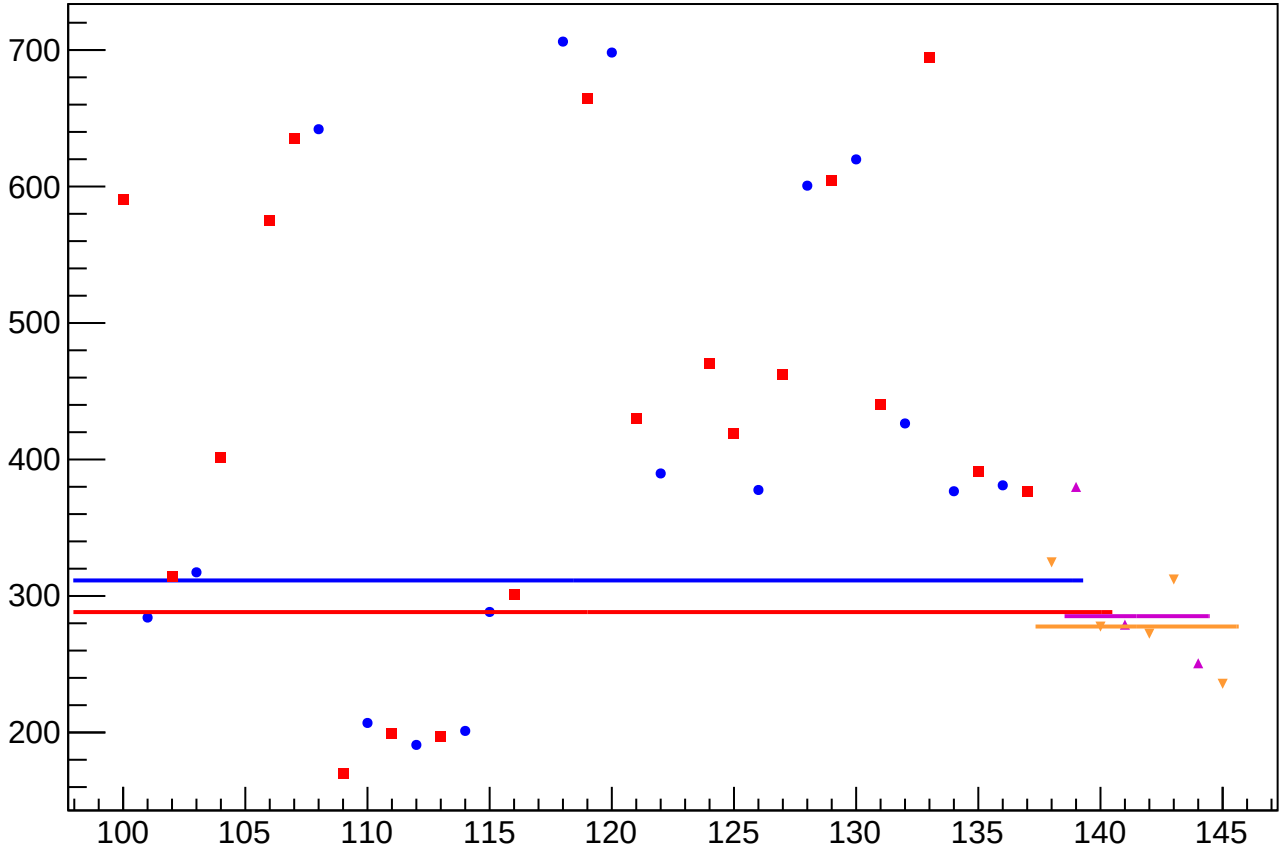
Left In: -19.293+/-179.119 χ^2/NDF:3.2/2

+ sign -138.582+/-95.610 χ^2/NDF: 31.5/20

All: -149.145+/-68.576 χ^2/NDF: 48.2/42

- sign -160.338+/-98.412 χ^2/NDF: 16.6/21

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

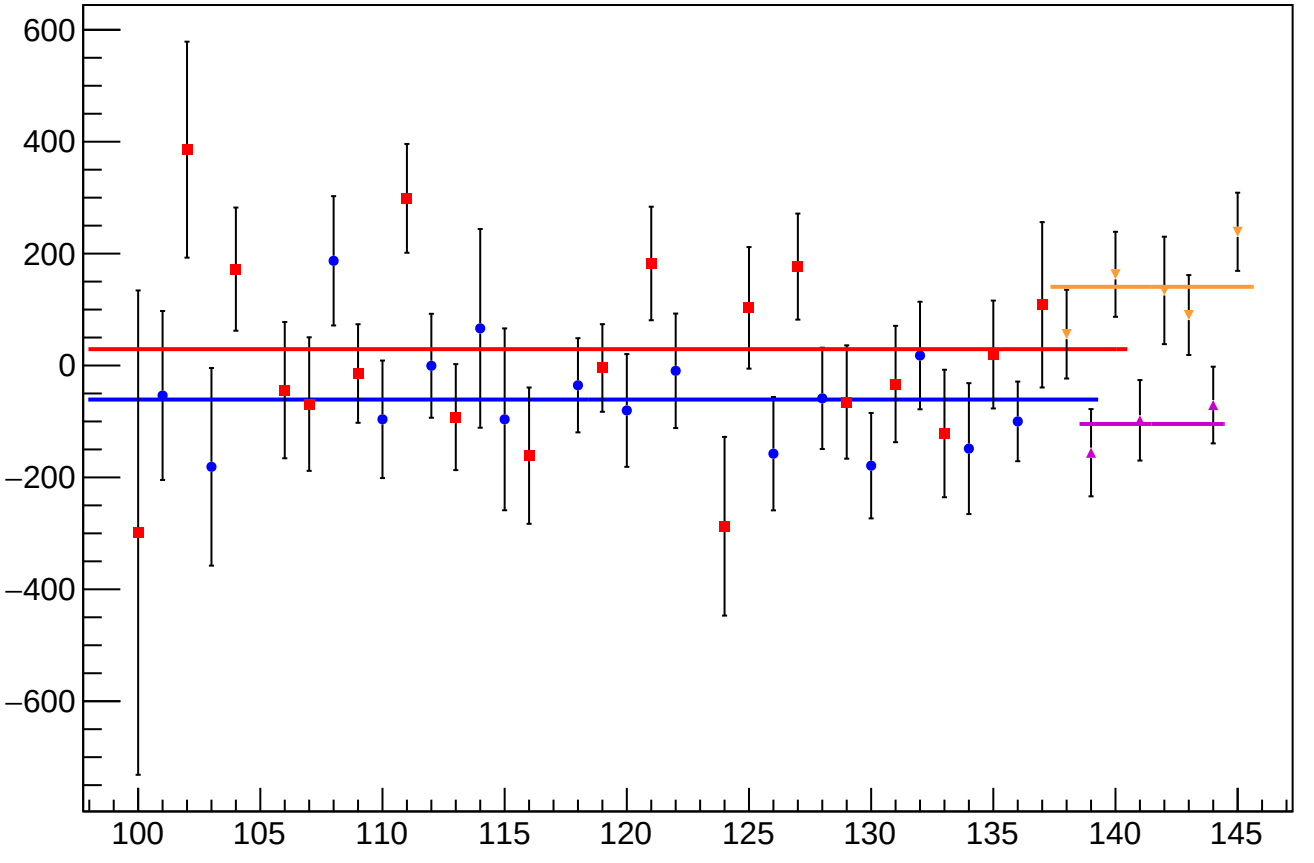
Left In: 285.209+/-0.127 χ^2/NDF:139442.8/2

+ sign 297.096+/-0.068 χ^2/NDF: 2286120.0/20

All: 292.340+/-0.048 χ^2/NDF: 5151526.8/42

- sign 287.301+/-0.070 χ^2/NDF: 2855213.9/21

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

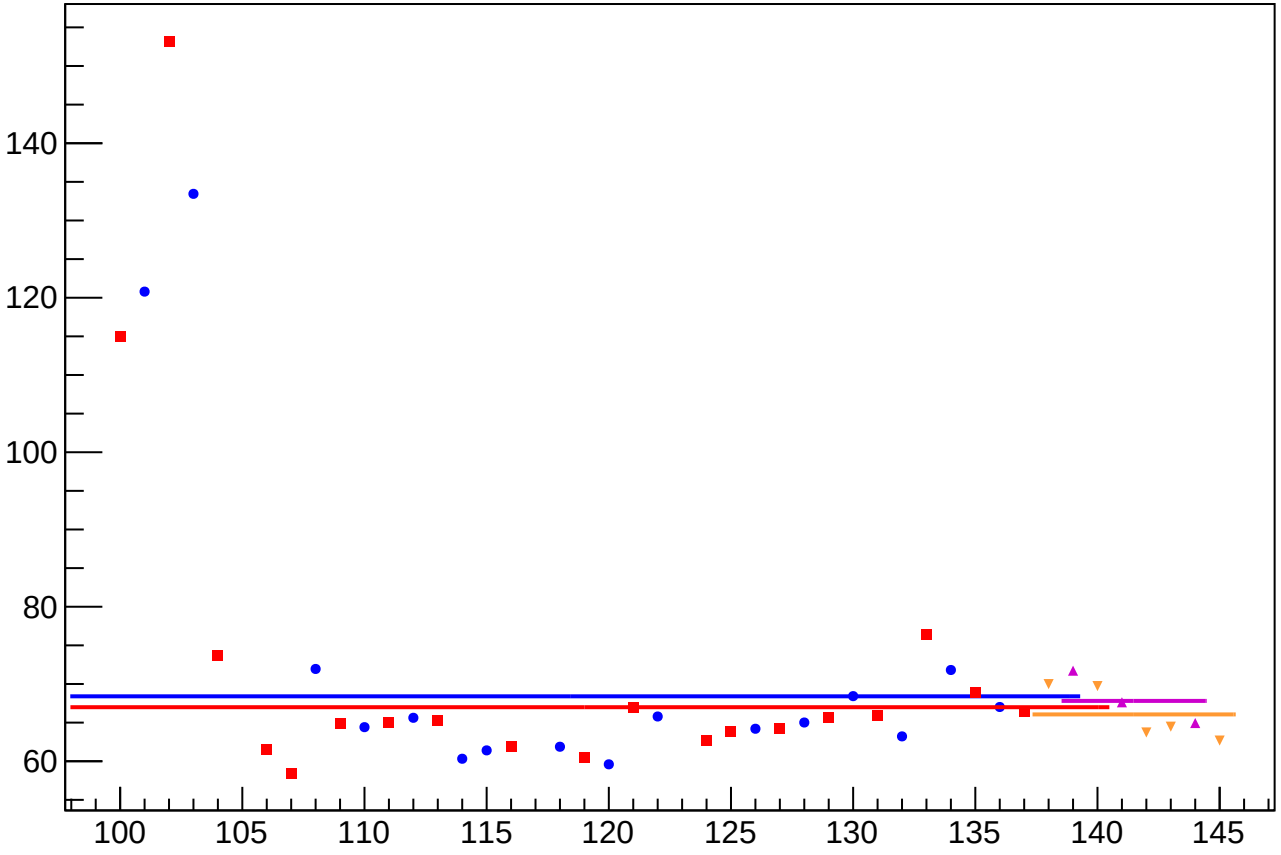
Left In: -104.460+/-41.862 χ^2/NDF:0.7/2

+ sign 12.418+/-20.784 χ^2/NDF: 36.0/20

All: 3.439+/-14.961 χ^2/NDF: 75.9/42

- sign -6.218+/-21.554 χ^2/NDF: 39.5/21

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

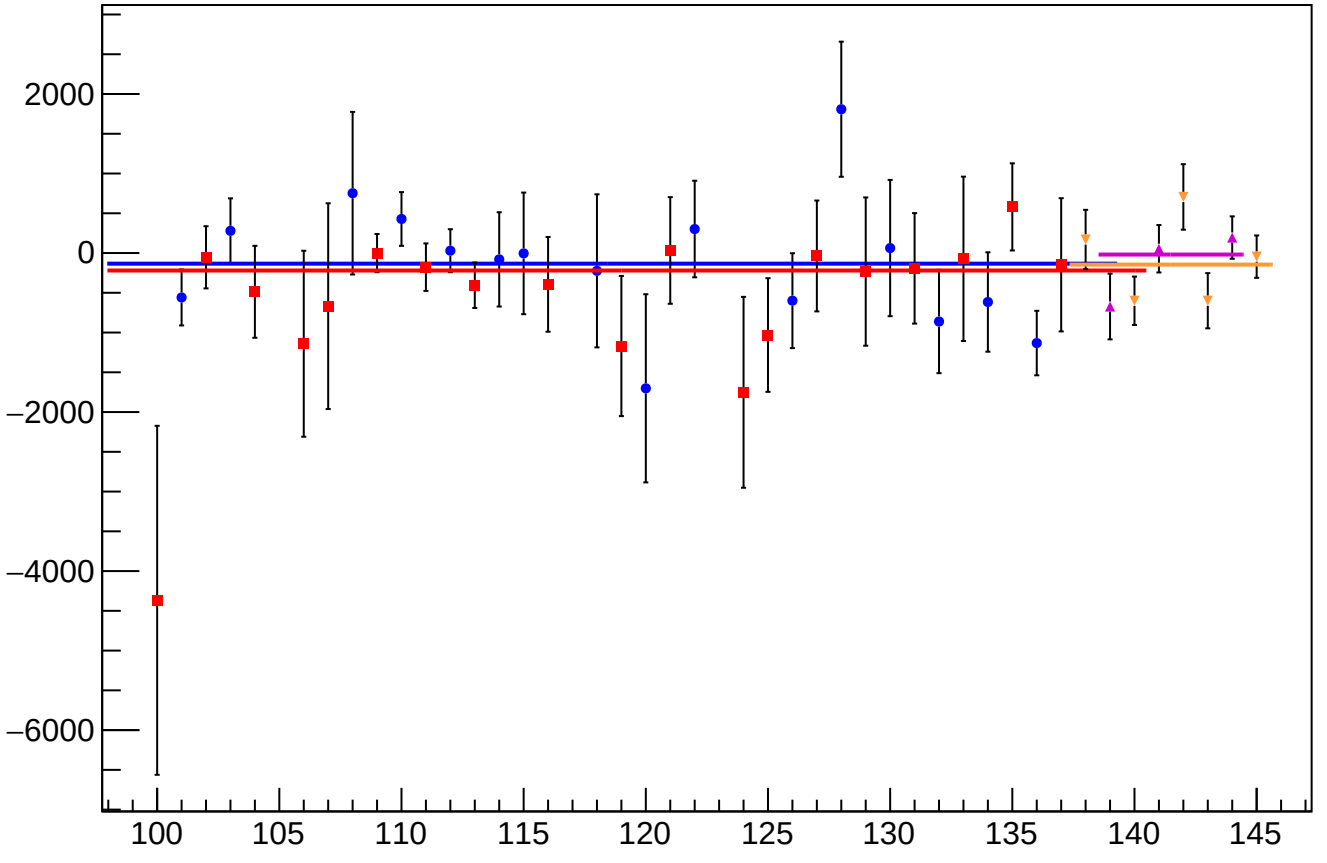
Left In: 67.810+/-0.030 χ^2/NDF:8542.3/2

+ sign 67.552+/-0.015 χ^2/NDF: 591861.5/20

All: 67.387+/-0.011 χ^2/NDF: 1085708.1/42

- sign 67.211+/-0.015 χ^2/NDF: 493587.6/21

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

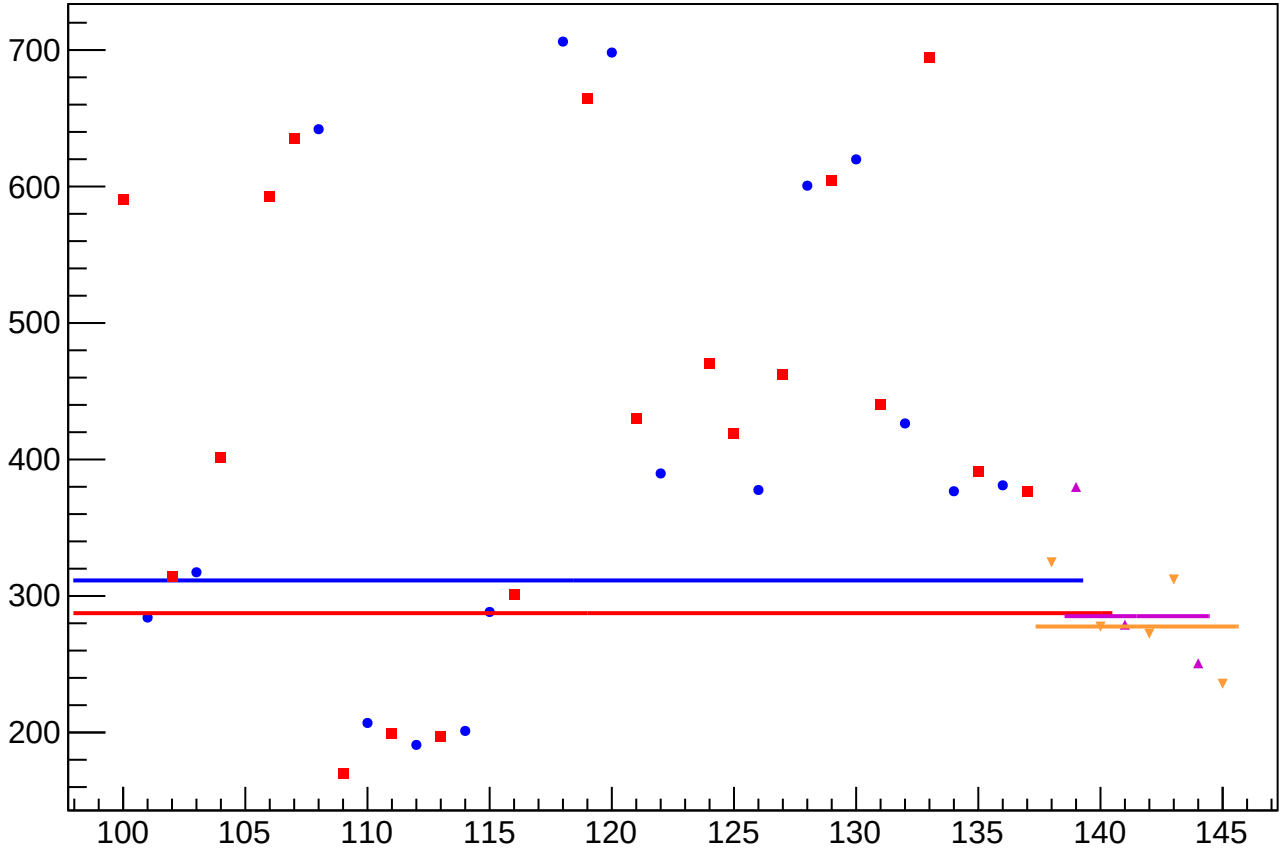
Left In: -19.282+/-179.119 χ^2/NDF:3.2/2

+ sign -138.579+/-95.610 χ^2/NDF: 31.6/20

All: -148.478+/-68.617 χ^2/NDF: 48.2/42

- sign -158.993+/-98.533 χ^2/NDF: 16.6/21

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

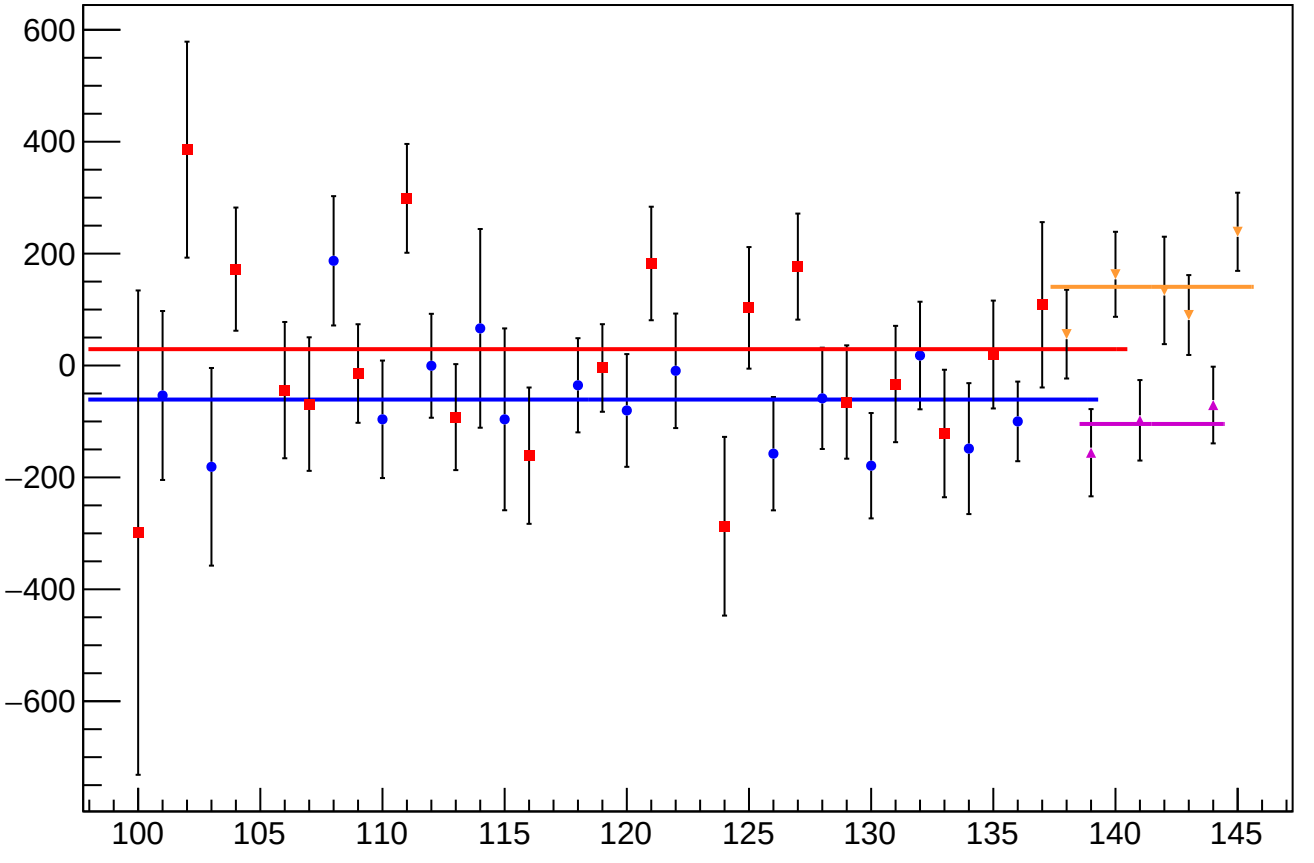
Left In: 285.210+/-0.127 χ^2/NDF:139443.0/2

+ sign 297.097+/-0.068 χ^2/NDF: 2286127.2/20

All: 292.077+/-0.049 χ^2/NDF: 5127405.8/42

- sign 286.746+/-0.070 χ^2/NDF: 2829912.1/21

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

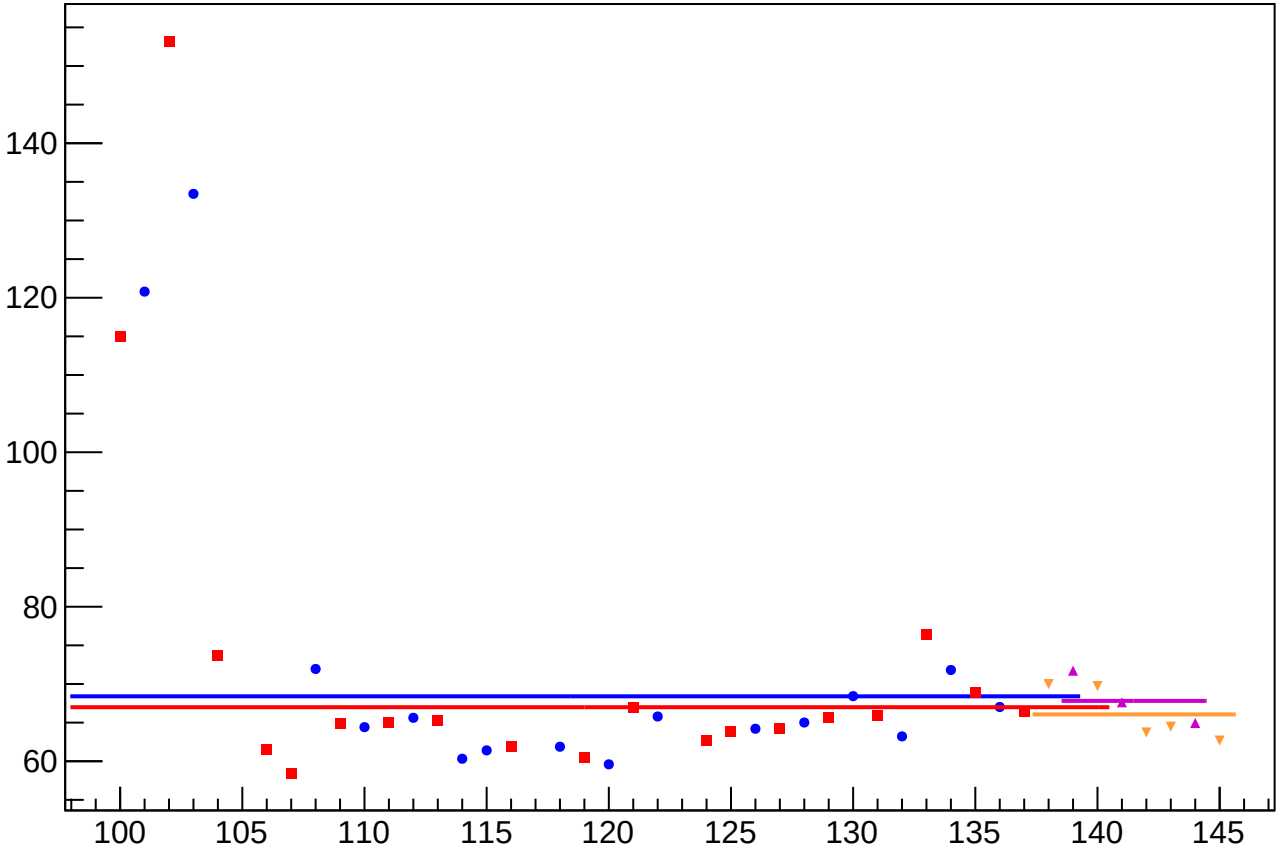
Left In: -104.460+/-41.862 χ^2/NDF:0.7/2

+ sign 12.418+/-20.784 χ^2/NDF: 36.0/20

All: 3.439+/-14.961 χ^2/NDF: 75.9/42

- sign -6.218+/-21.554 χ^2/NDF: 39.5/21

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

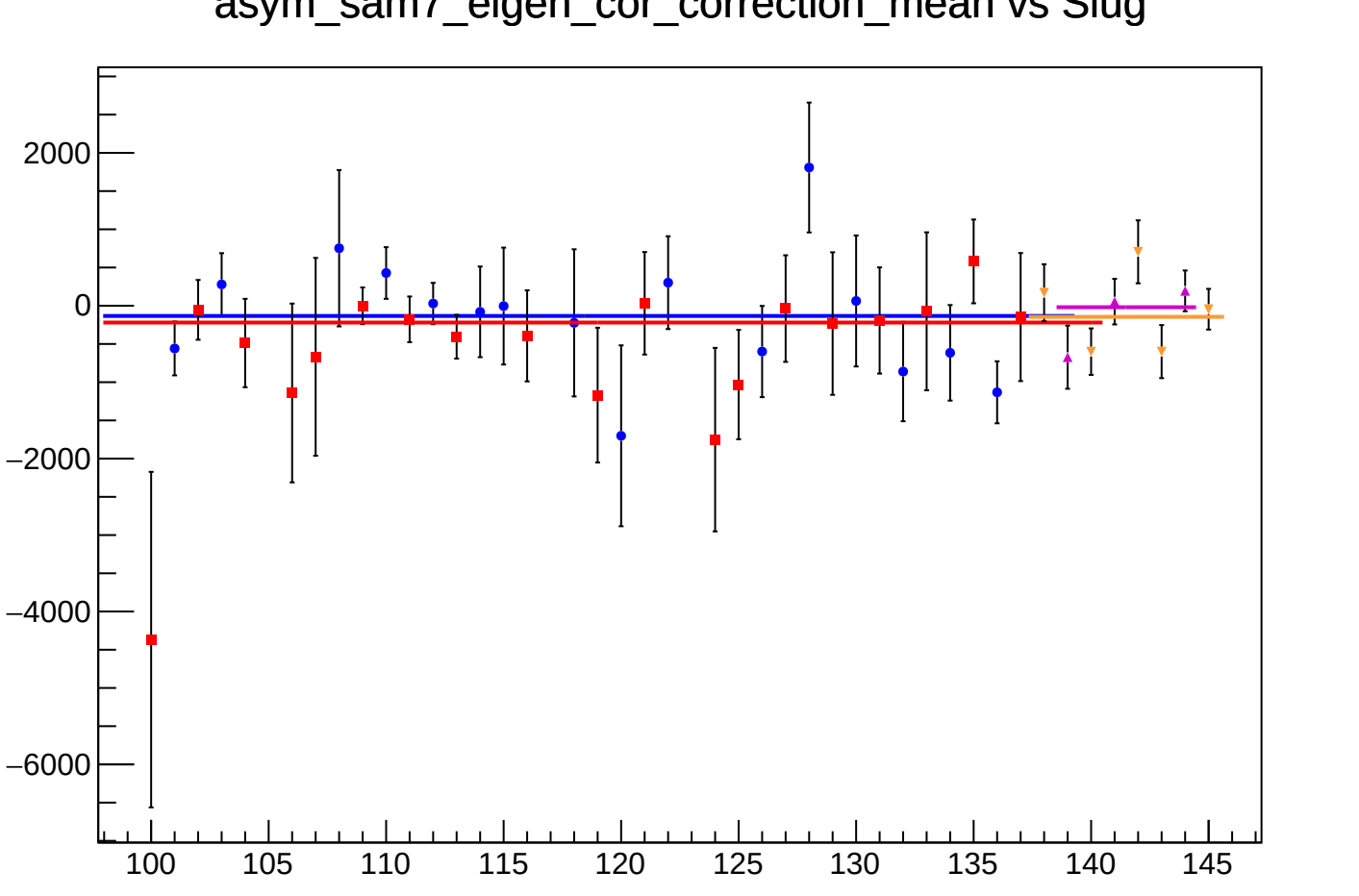
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.810+/-0.030 χ^2/NDF:8542.3/2

+ sign 67.552+/-0.015 χ^2/NDF: 591861.5/20

All: 67.387+/-0.011 χ^2/NDF: 1085708.1/42

- sign 67.211+/-0.015 χ^2/NDF: 493587.6/21



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

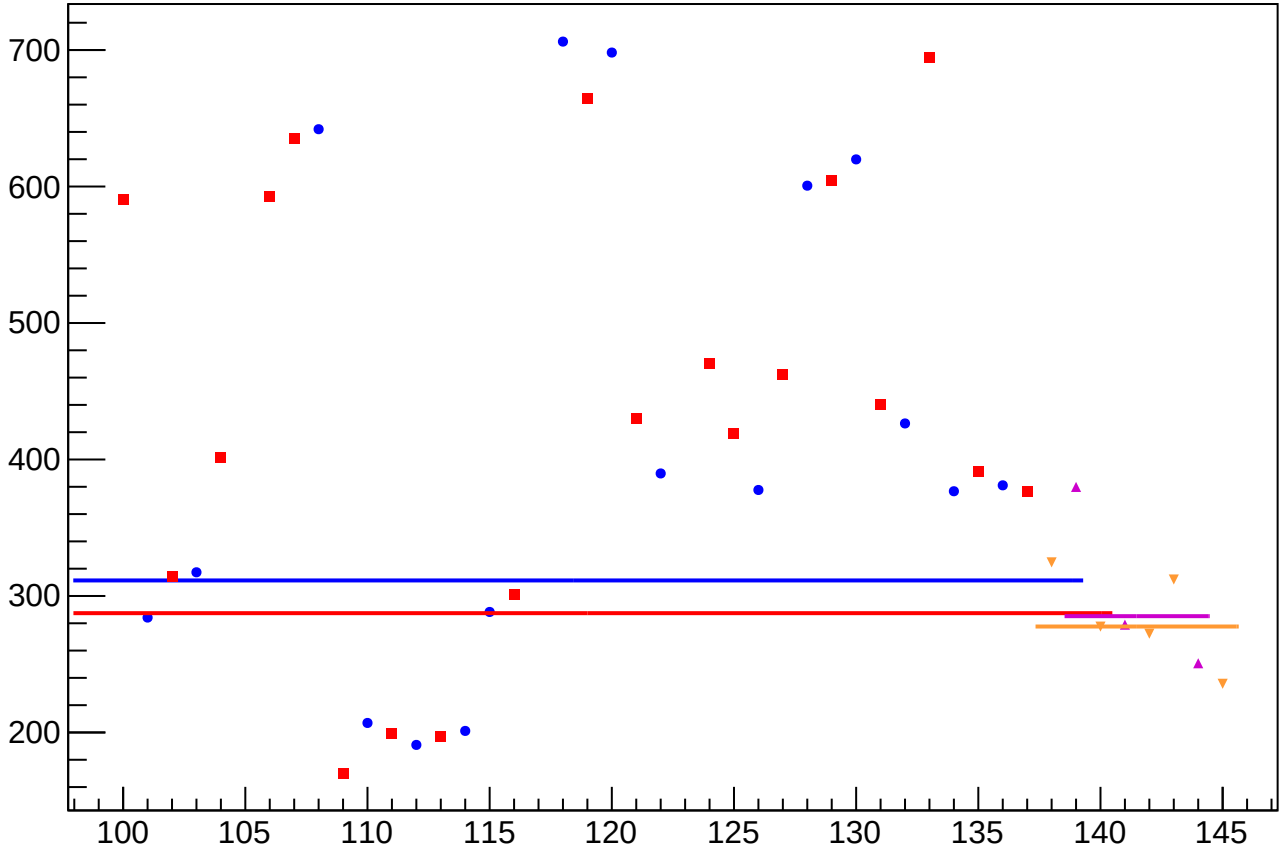
Left In: -19.282+/-179.119 χ^2/NDF:3.2/2

\+ sign -138.579+/-95.610 χ^2/NDF: 31.6/20

All: -148.478+/-68.617 χ^2/NDF: 48.2/42

\- sign -158.993+/-98.533 χ^2/NDF: 16.6/21

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

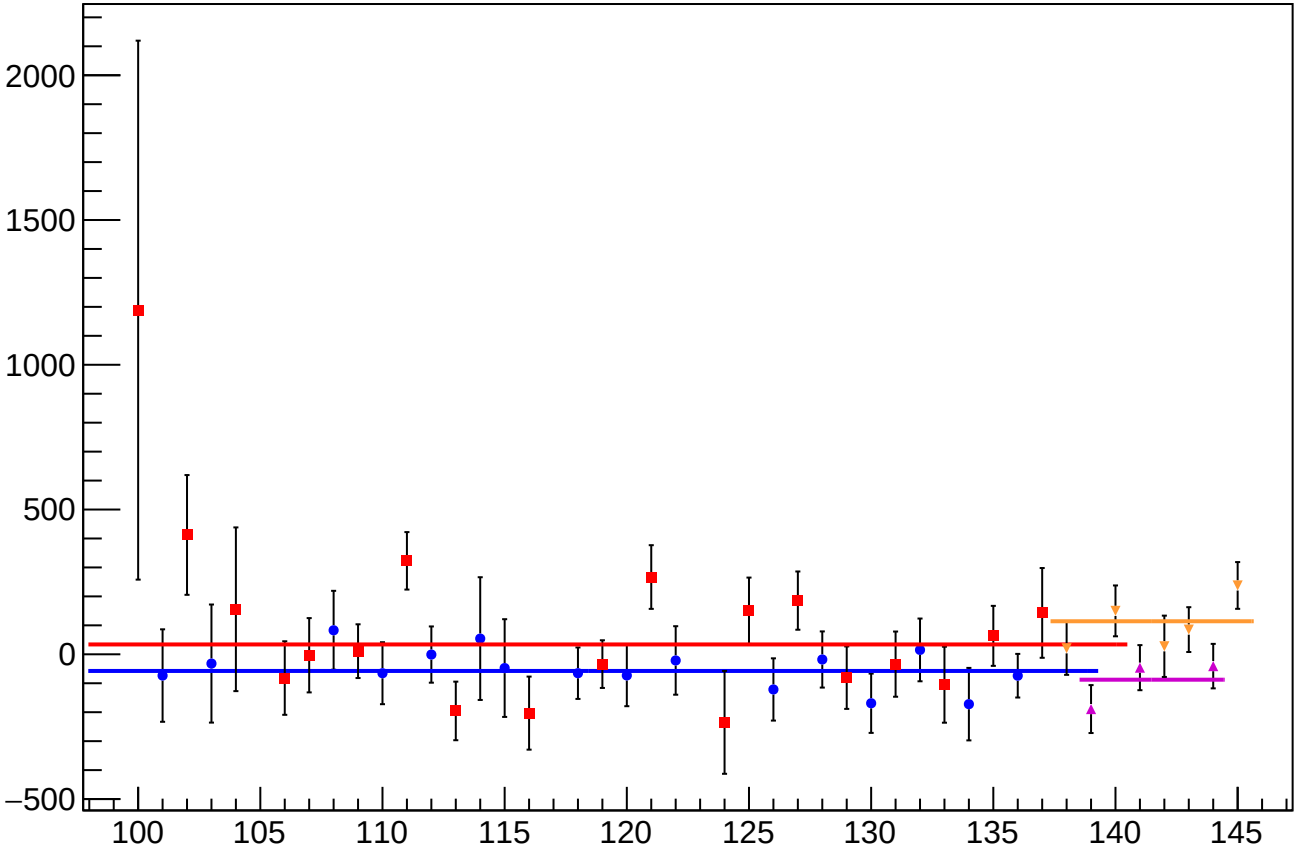
Left In: 285.210+/-0.127 χ^2/NDF:139443.0/2

+ sign 297.097+/-0.068 χ^2/NDF: 2286127.2/20

All: 292.077+/-0.049 χ^2/NDF: 5127405.8/42

- sign 286.746+/-0.070 χ^2/NDF: 2829912.1/21

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

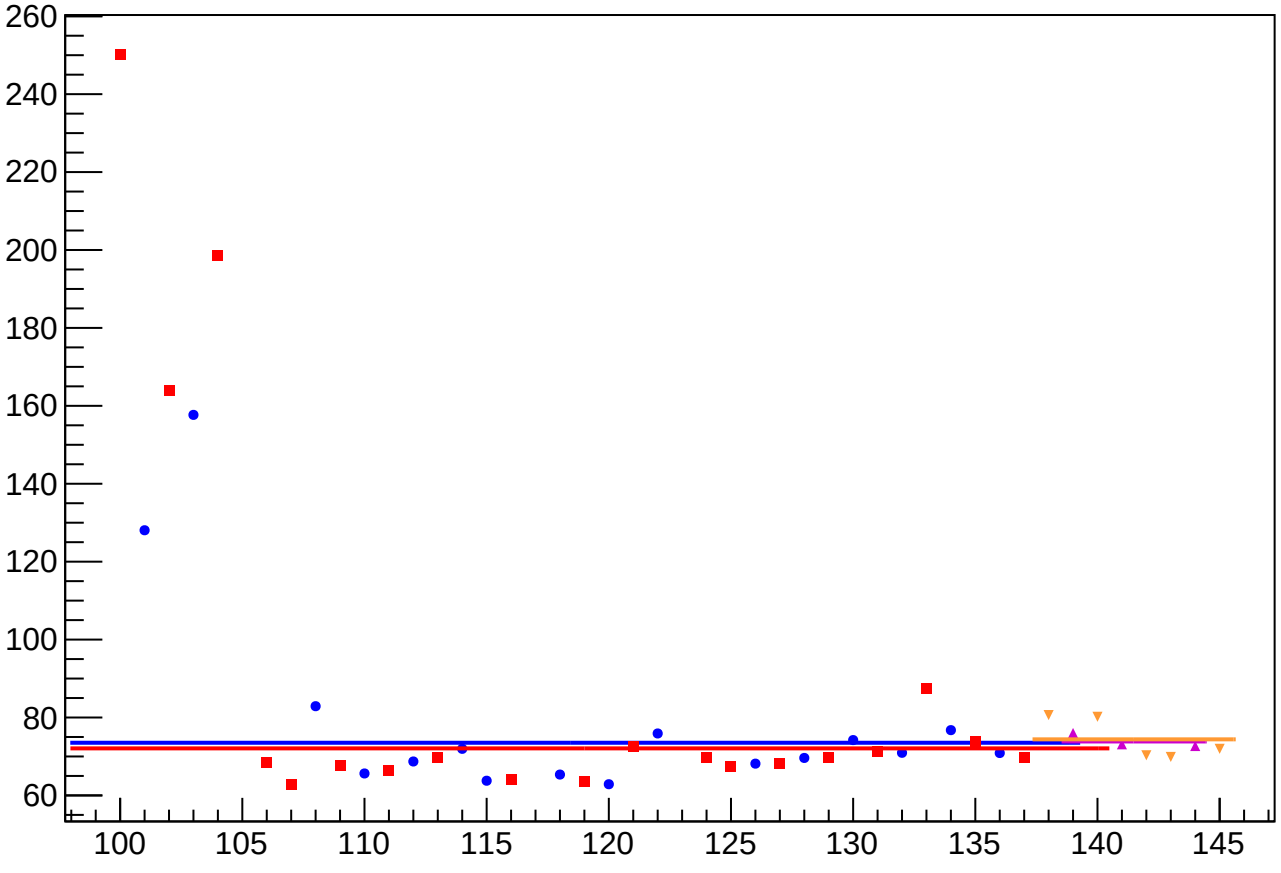
Left In: -87.735+/-45.626 χ^2/NDF:2.2/2

\+ sign 1.121+/-22.788 χ^2/NDF: 22.0/20

All: 1.432+/-16.356 χ^2/NDF: 66.5/42

\- sign 1.762+/-23.489 χ^2/NDF: 44.5/21

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

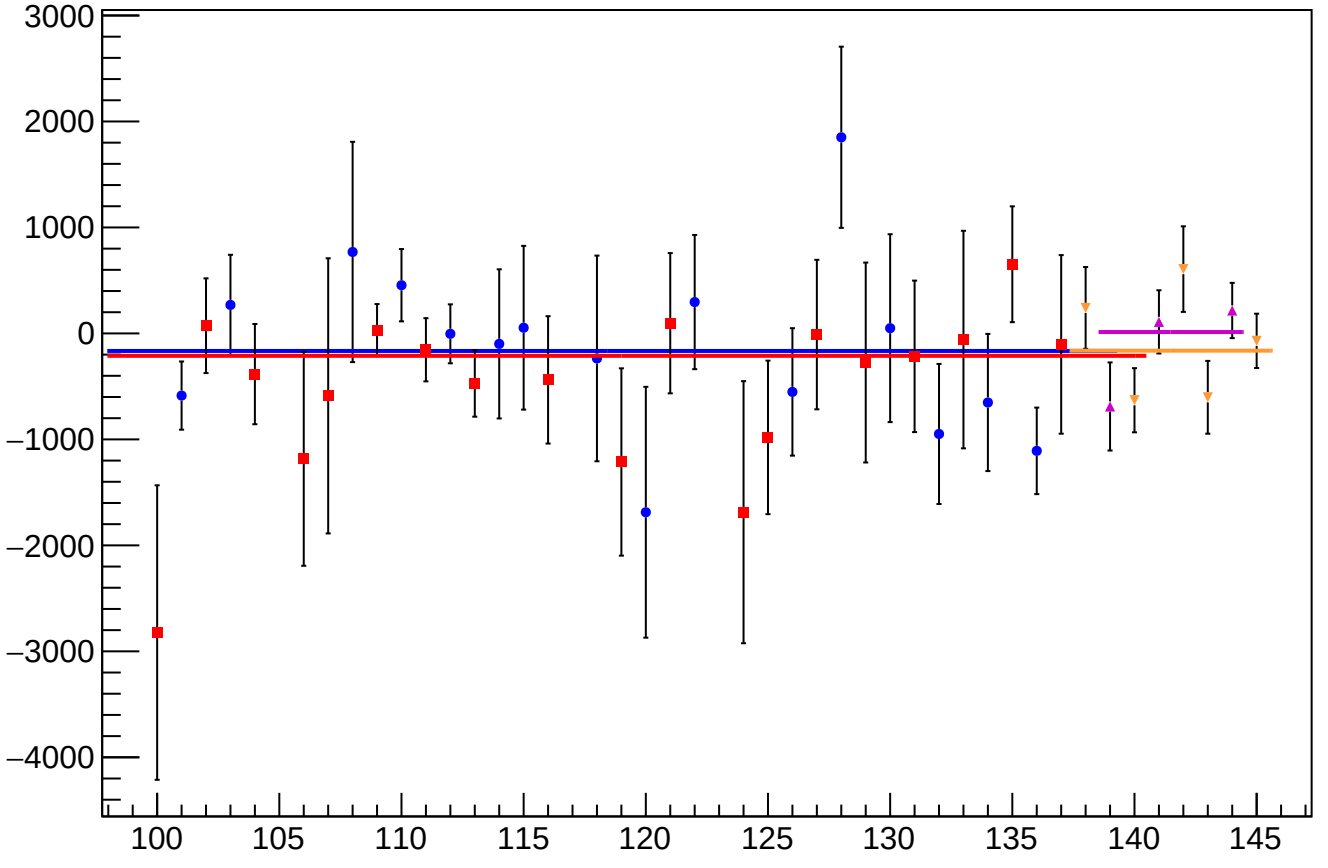
Left In: 73.850+/-0.032 χ^2/NDF:2008.8/2

+ sign 73.818+/-0.016 χ^2/NDF: 687053.0/20

All: 73.201+/-0.012 χ^2/NDF: 1652811.2/42

- sign 72.545+/-0.017 χ^2/NDF: 962730.7/21

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

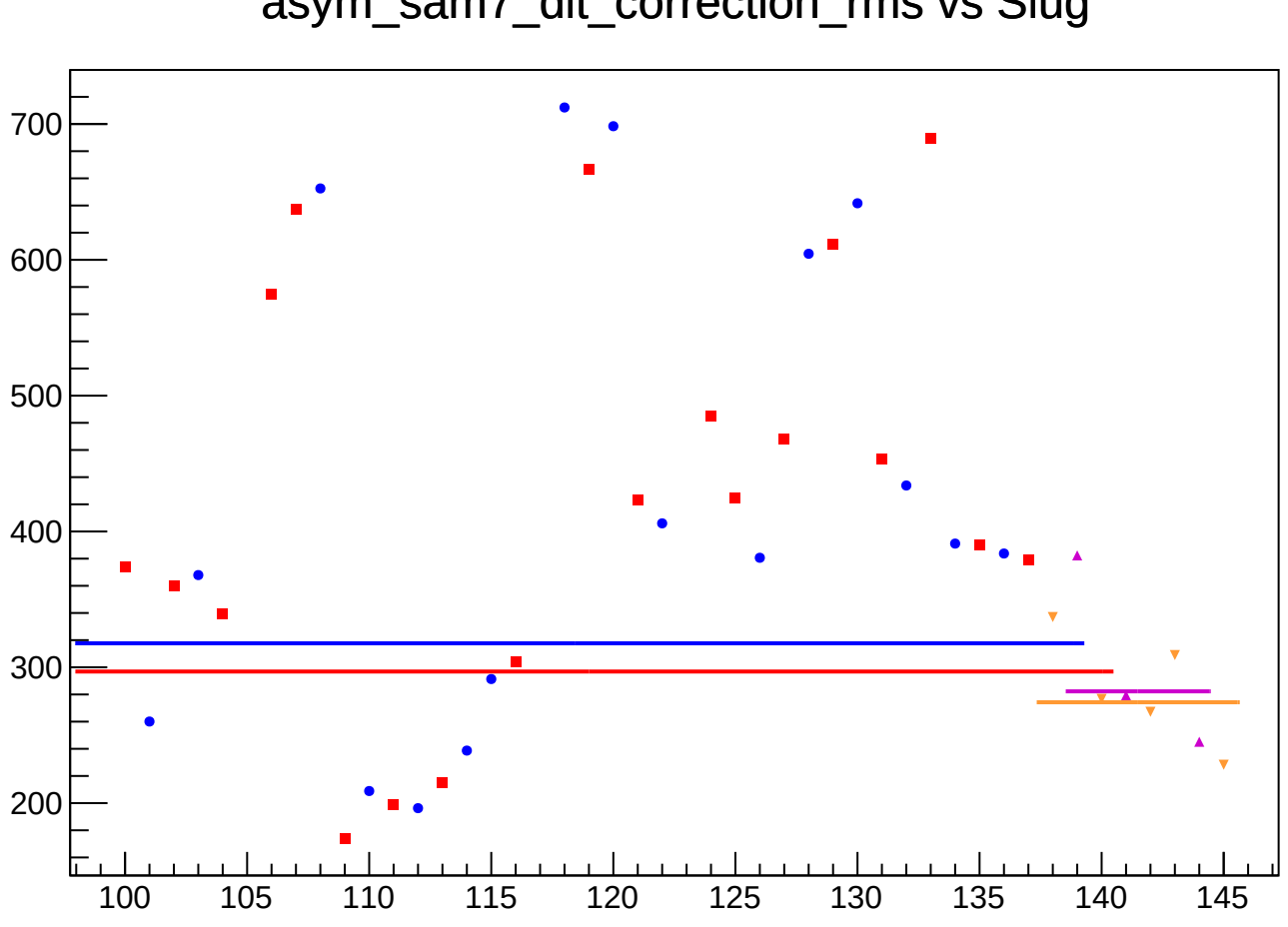
Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 13.123+/-177.512 χ^2/NDF:3.6/2

+ sign -164.288+/-96.193 χ^2/NDF: 31.5/20

All: -152.960+/-69.153 χ^2/NDF: 49.8/42

- sign -140.843+/-99.484 χ^2/NDF: 18.3/21



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

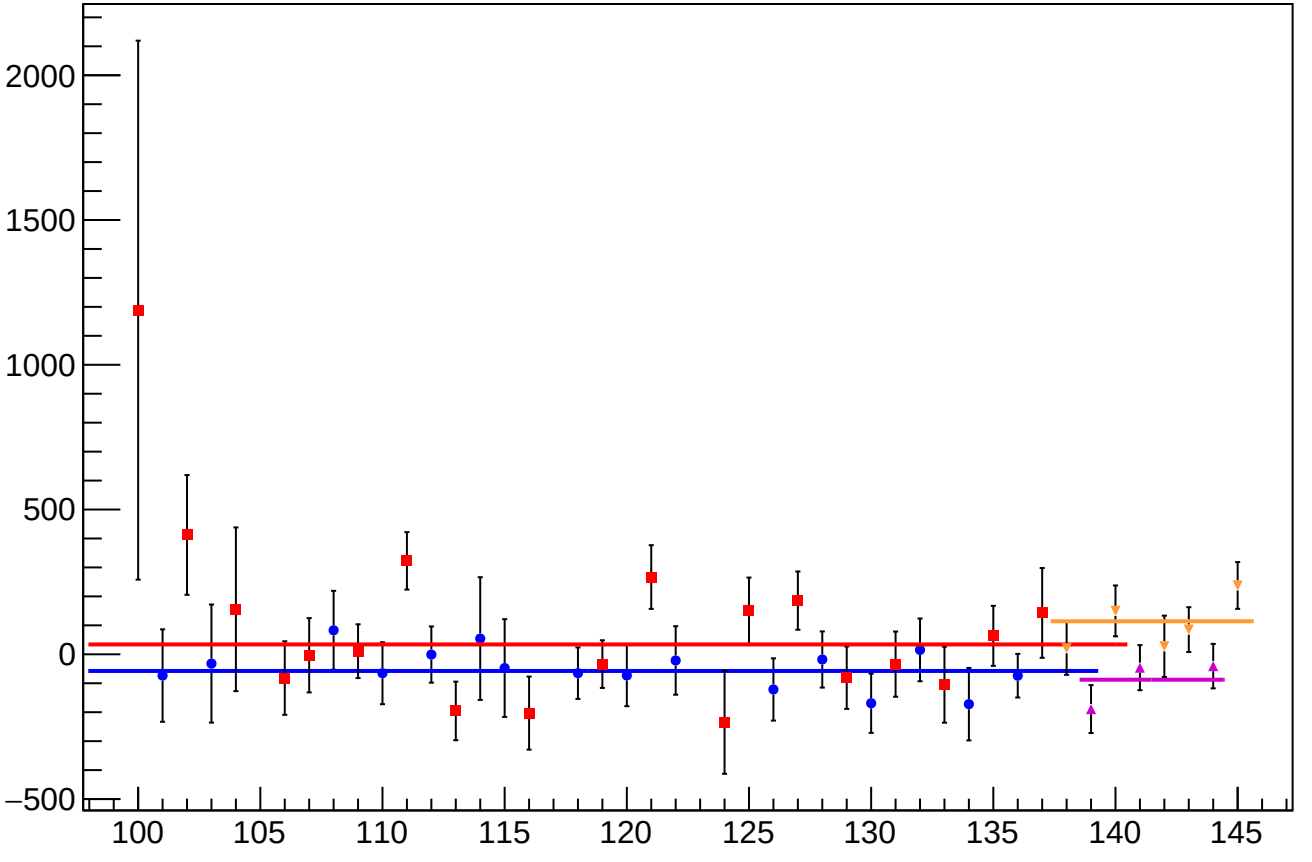
Left In: 282.299+/-0.126 χ^2/NDF:156601.5/2

+ sign 298.606+/-0.068 χ^2/NDF: 2374972.1/20

All: 295.562+/-0.049 χ^2/NDF: 5086025.8/42

- sign 292.306+/-0.070 χ^2/NDF: 2706908.4/21

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

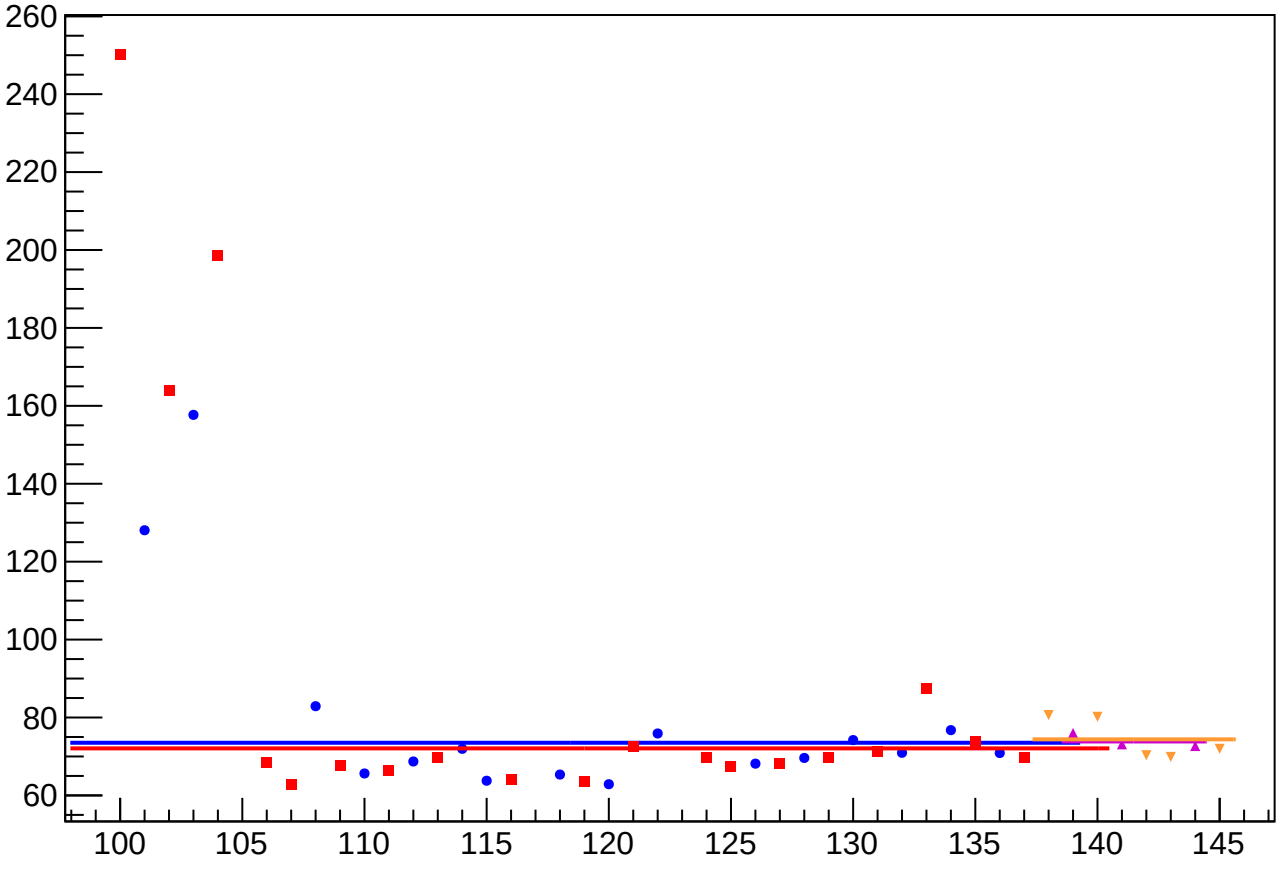
Left In: -87.735+/-45.626 χ^2/NDF:2.2/2

\+ sign 1.121+/-22.788 χ^2/NDF: 22.0/20

All: 1.432+/-16.356 χ^2/NDF: 66.5/42

\- sign 1.762+/-23.489 χ^2/NDF: 44.5/21

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

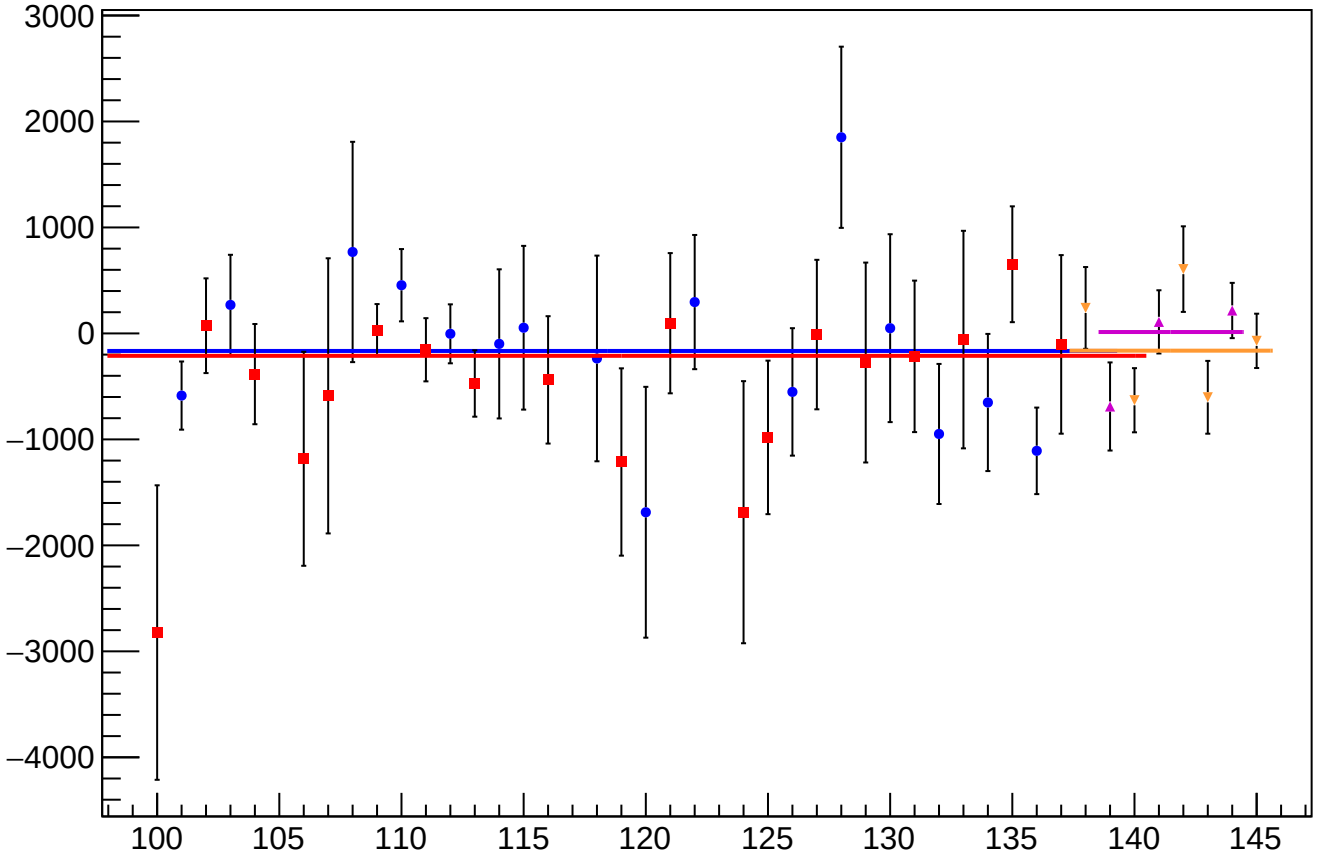
Left In: 73.850+/-0.032 χ^2/NDF:2008.6/2

+ sign 73.818+/-0.016 χ^2/NDF: 687053.8/20

All: 73.200+/-0.012 χ^2/NDF: 1652813.5/42

- sign 72.545+/-0.017 χ^2/NDF: 962732.2/21

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

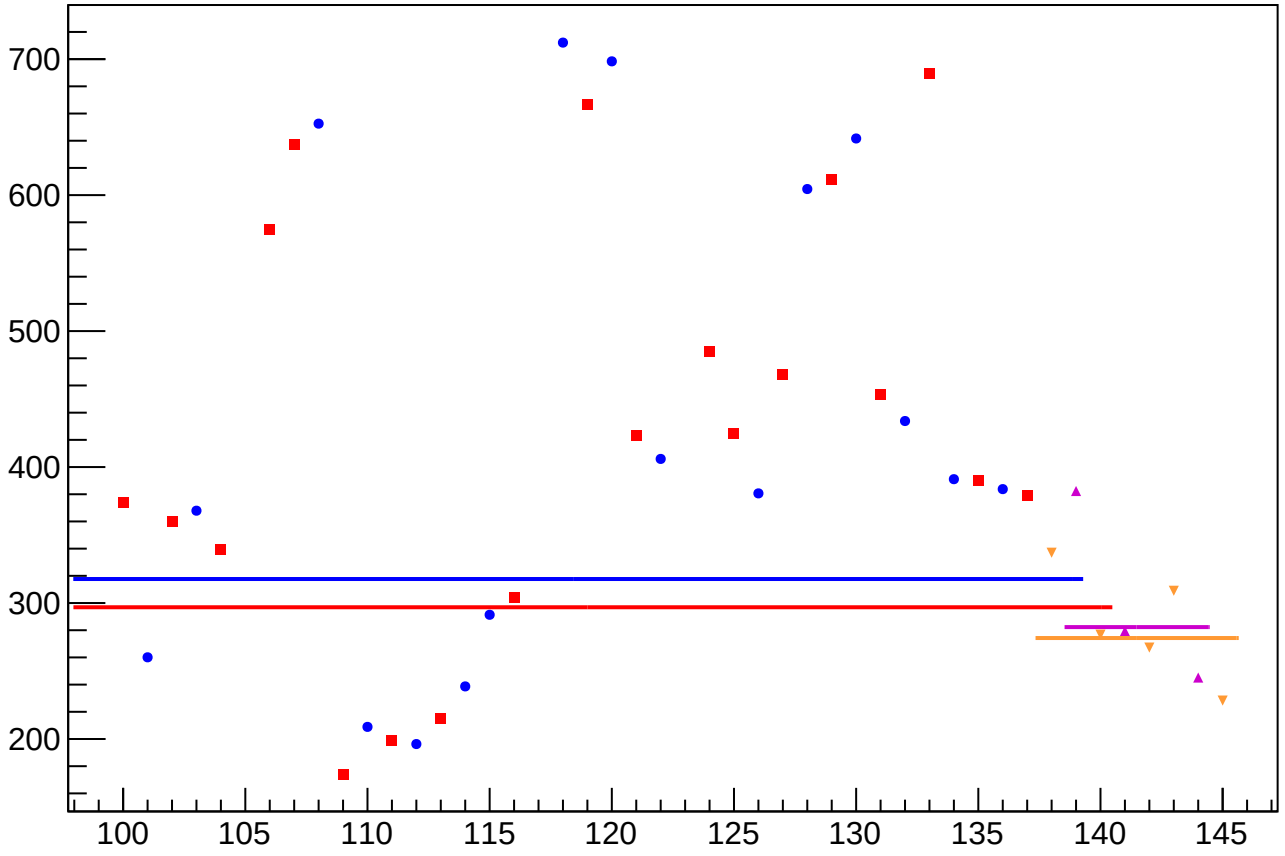
Left In: 13.122+/-177.511 χ^2/NDF:3.6/2

+ sign -164.288+/-96.193 χ^2/NDF: 31.5/20

All: -152.960+/-69.153 χ^2/NDF: 49.8/42

- sign -140.843+/-99.484 χ^2/NDF: 18.3/21

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

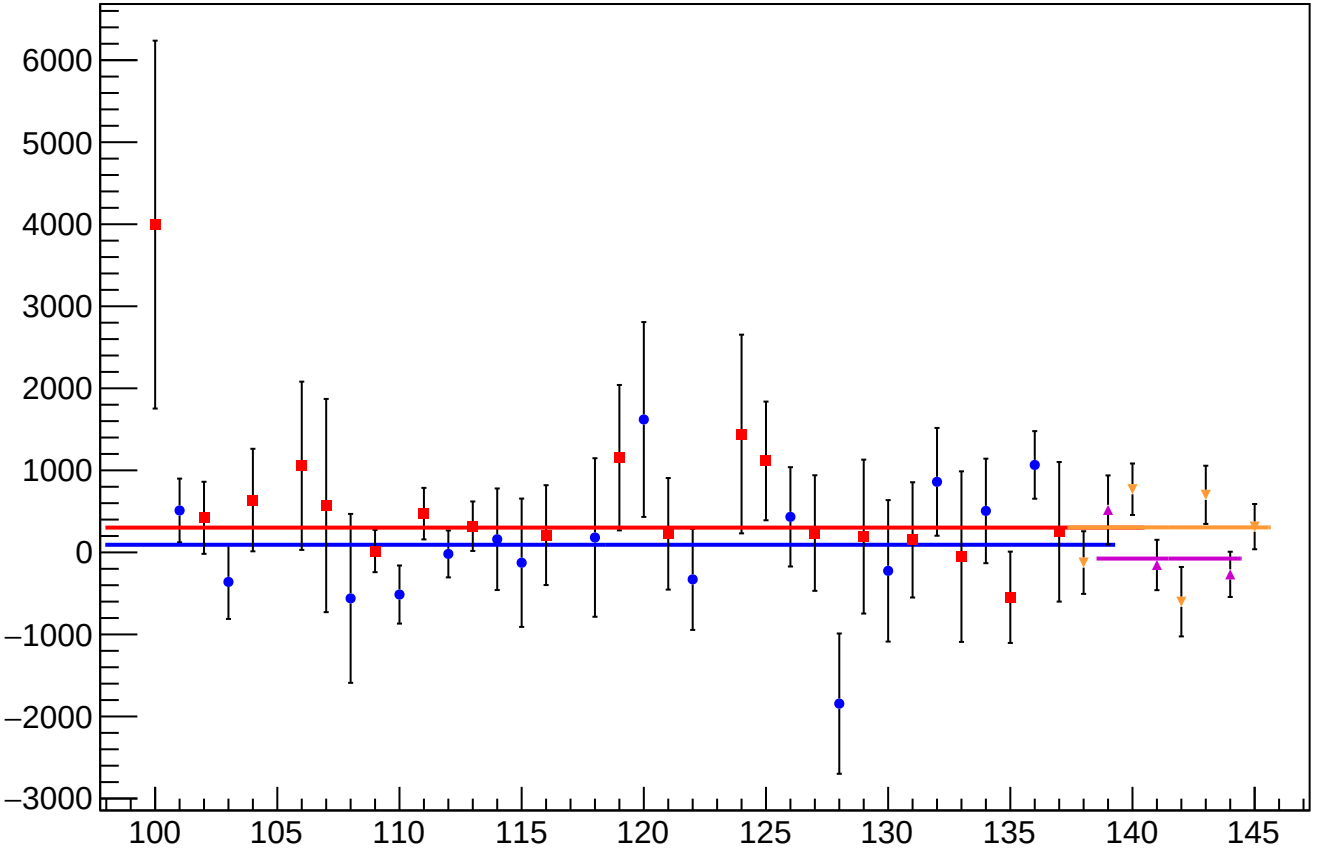
Left In: 282.298+/-0.126 χ^2/NDF:156602.5/2

+ sign 298.604+/-0.068 χ^2/NDF: 2374997.4/20

All: 295.560+/-0.049 χ^2/NDF: 5086061.3/42

- sign 292.304+/-0.070 χ^2/NDF: 2706919.2/21

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

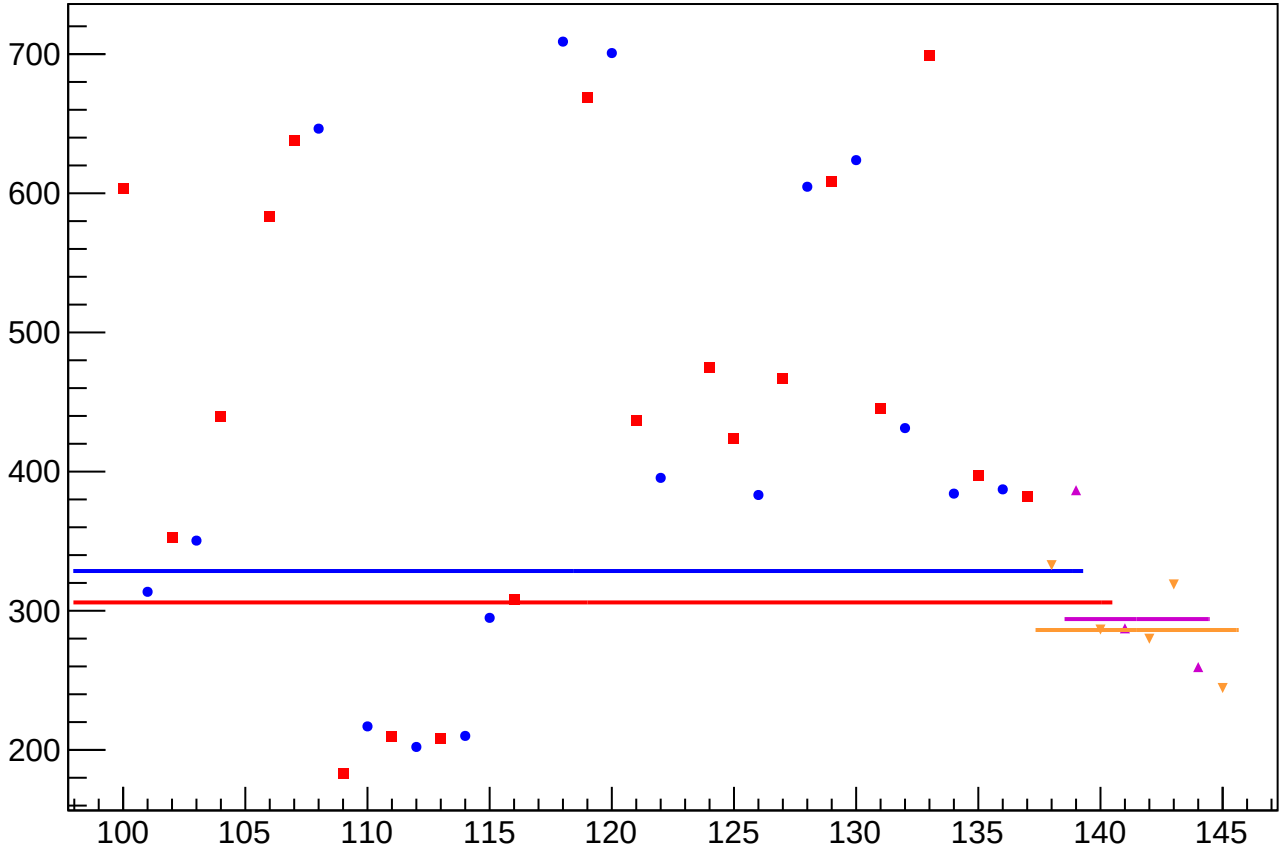
Left In: -75.401+/-184.386 χ^2/NDF:2.5/2

+ sign 184.425+/-99.427 χ^2/NDF: 31.2/20

All: 184.591+/-71.485 χ^2/NDF: 47.5/42

- sign 184.768+/-102.849 χ^2/NDF: 16.2/21

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

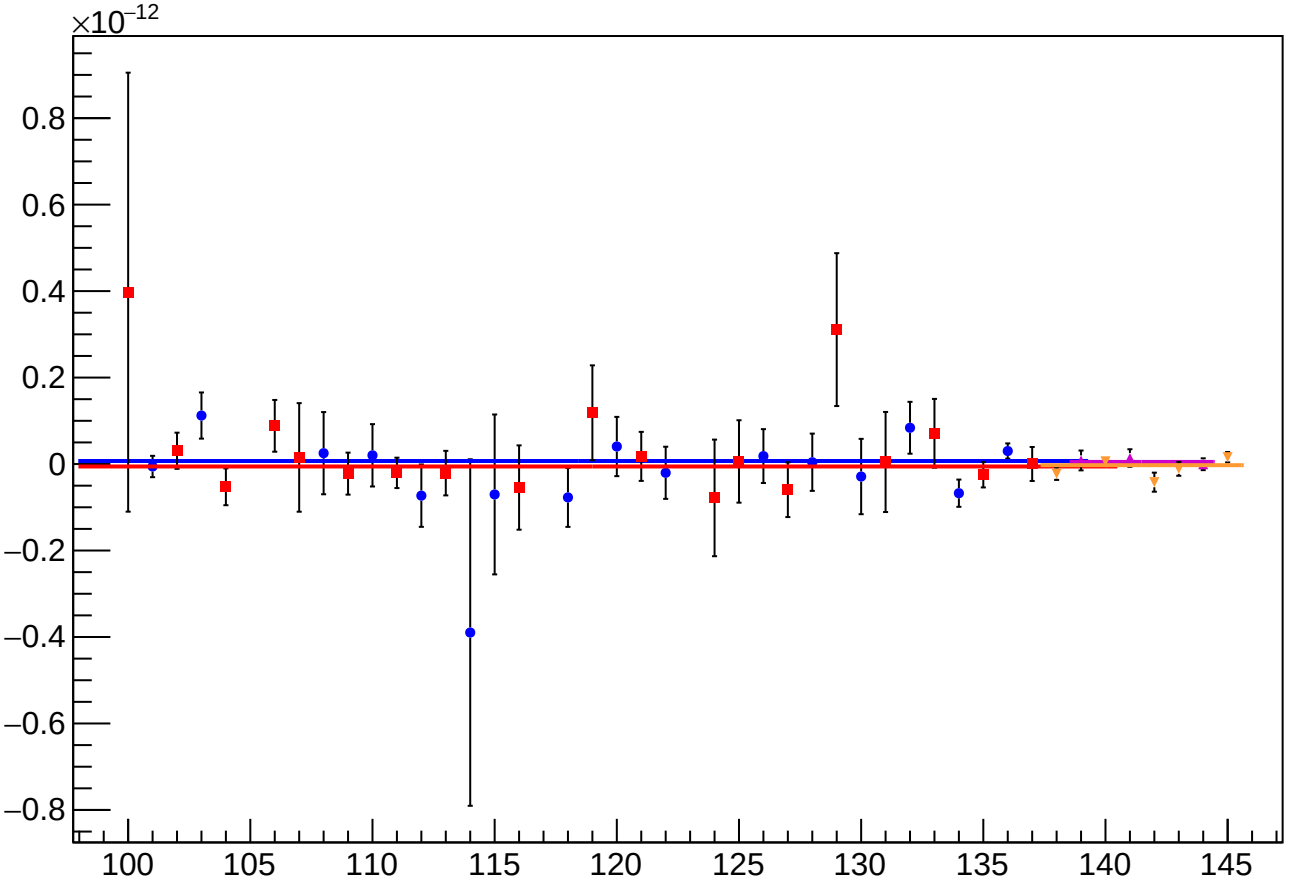
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 294.033+/-0.130 χ^2/NDF:129274.2/2

+ sign 310.255+/-0.070 χ^2/NDF: 2140981.4/20

All: 306.397+/-0.051 χ^2/NDF: 4809743.6/42

- sign 302.269+/-0.073 χ^2/NDF: 2662529.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/4

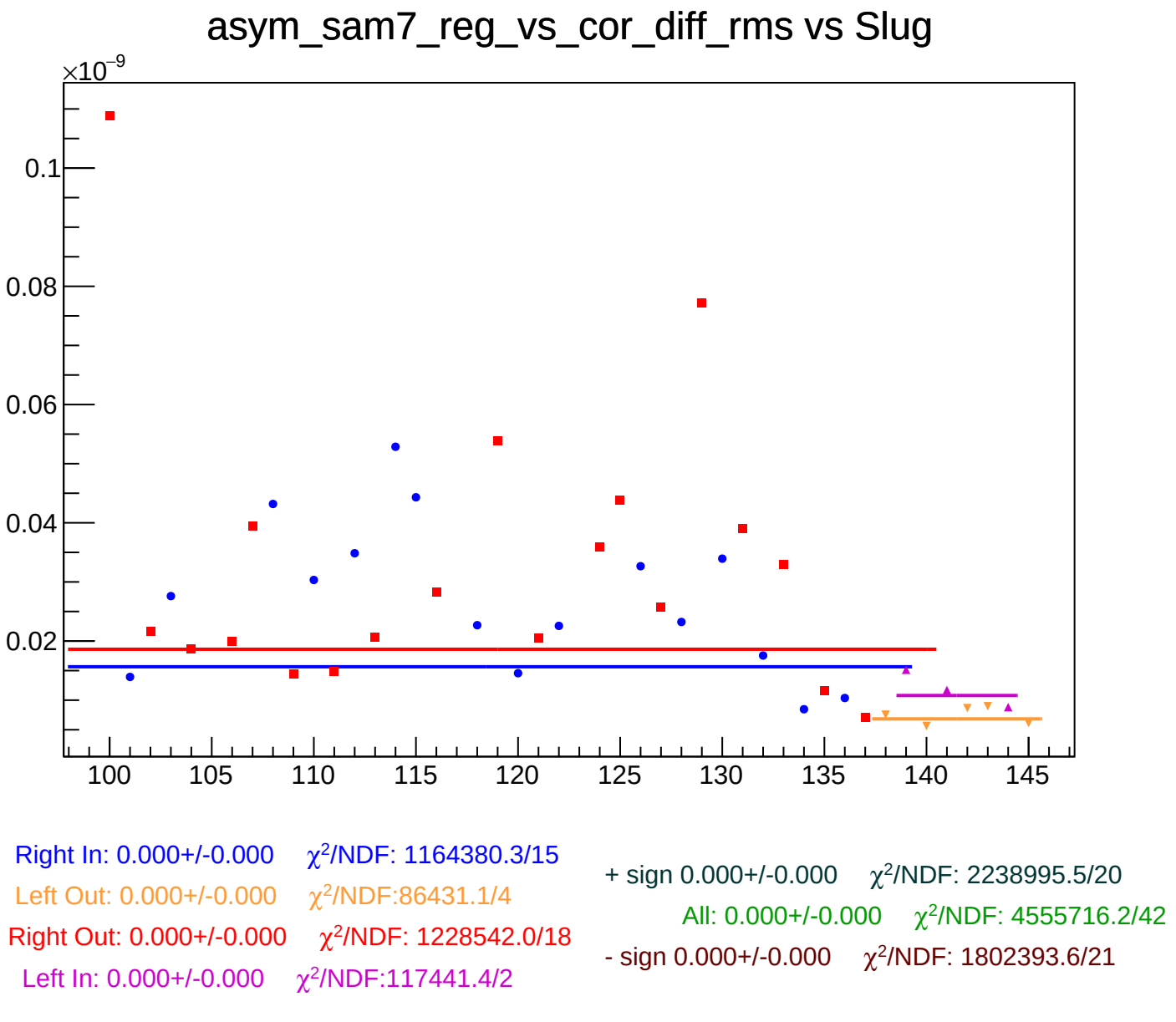
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

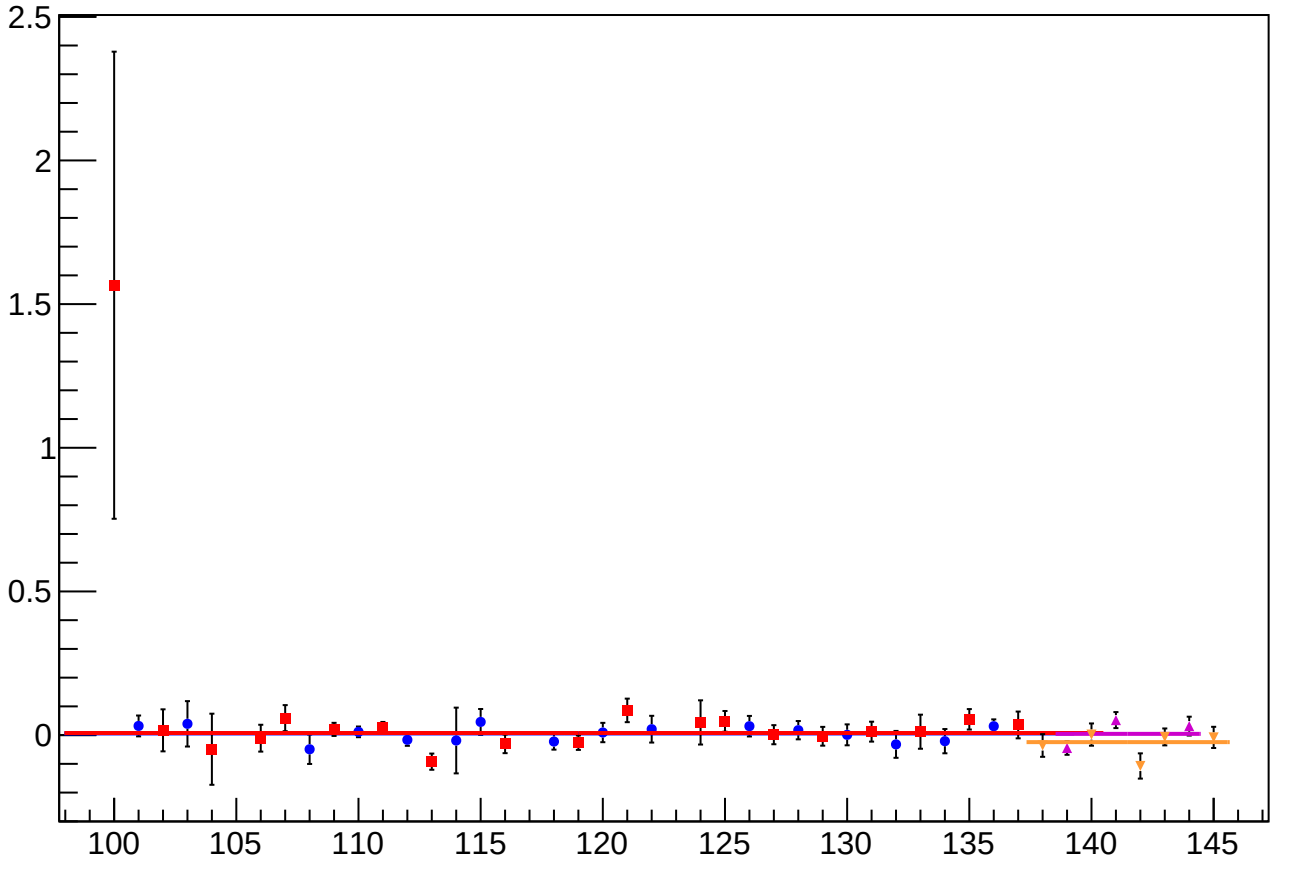
+ sign -0.000+/-0.000 χ^2/NDF: 26.6/20

All: 0.000+/-0.000 χ^2/NDF: 40.3/42

- sign 0.000+/-0.000 χ^2/NDF: 13.6/21


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:86431.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:117441.4/2
+ sign 0.000+/-0.000 χ²/NDF: 2238995.5/20
All: 0.000+/-0.000 χ²/NDF: 4555716.2/42
- sign 0.000+/-0.000 χ²/NDF: 1802393.6/21

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

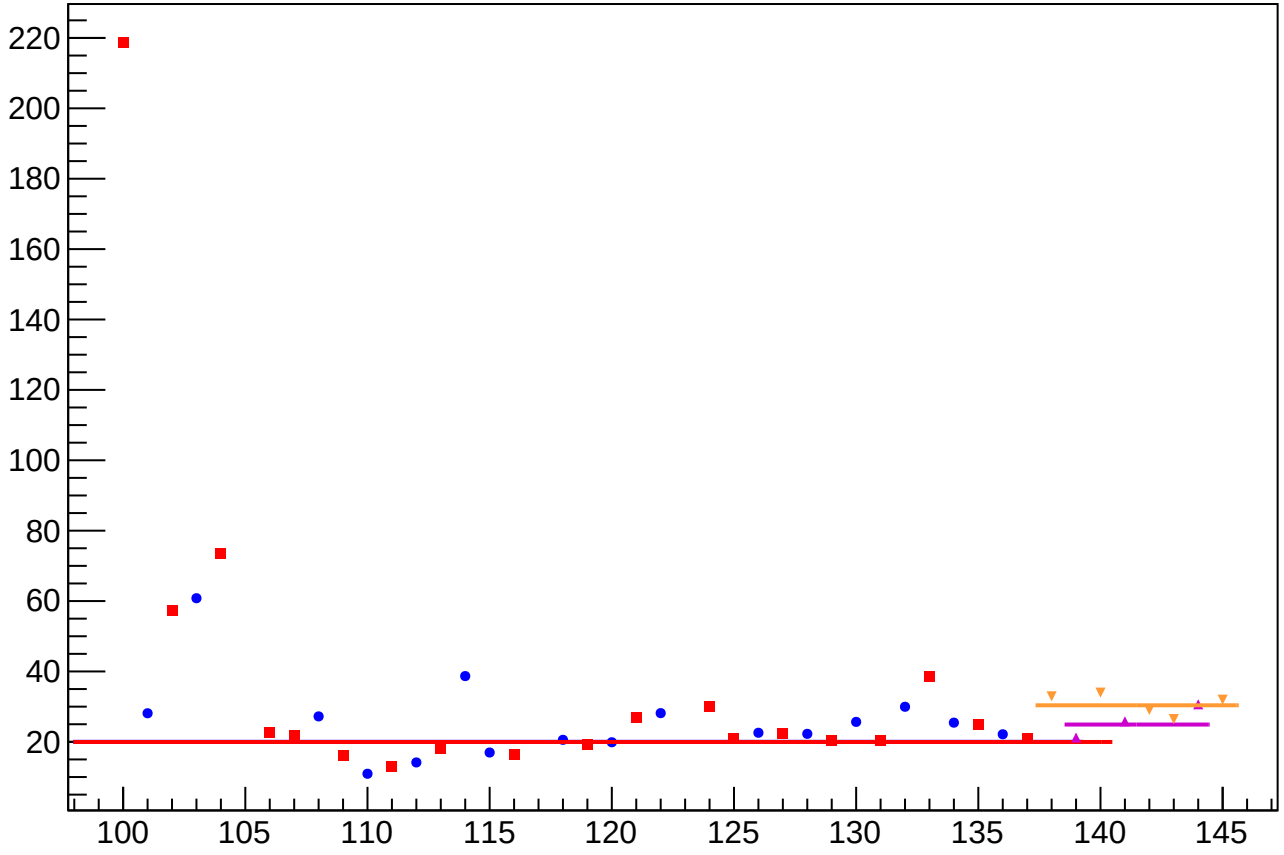
Left In: 0.004+/-0.016 χ^2/NDF:7.9/2

+ sign -0.000+/-0.007 χ^2/NDF: 15.3/20

All: 0.003+/-0.005 χ^2/NDF: 53.5/42

- sign 0.007+/-0.007 χ^2/NDF: 37.7/21

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

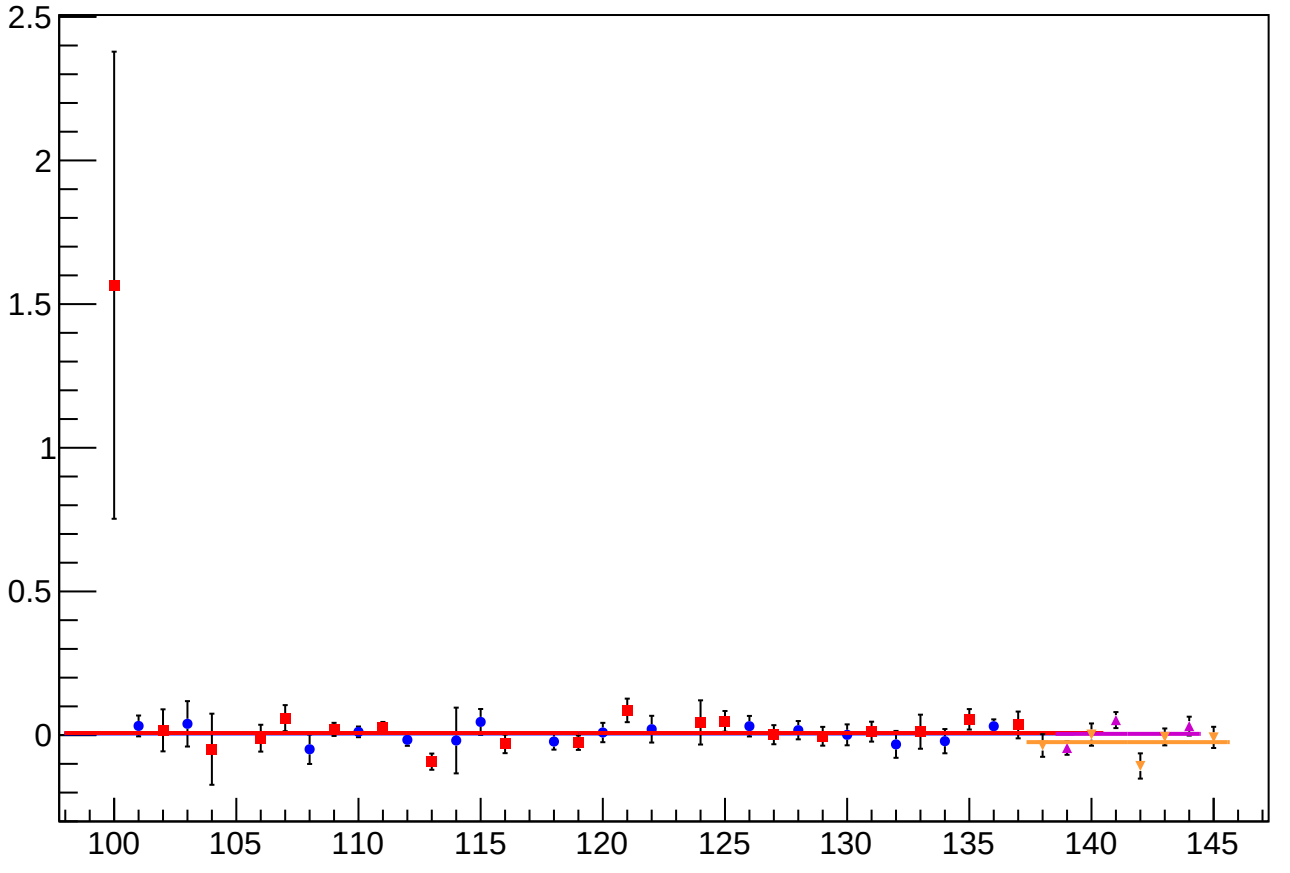
Left In: 24.916+/-0.011 χ^2/NDF:111971.3/2

+ sign 22.064+/-0.005 χ^2/NDF: 2350454.4/20

All: 21.518+/-0.004 χ^2/NDF: 4356251.3/42

- sign 20.988+/-0.005 χ^2/NDF: 1983825.4/21

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

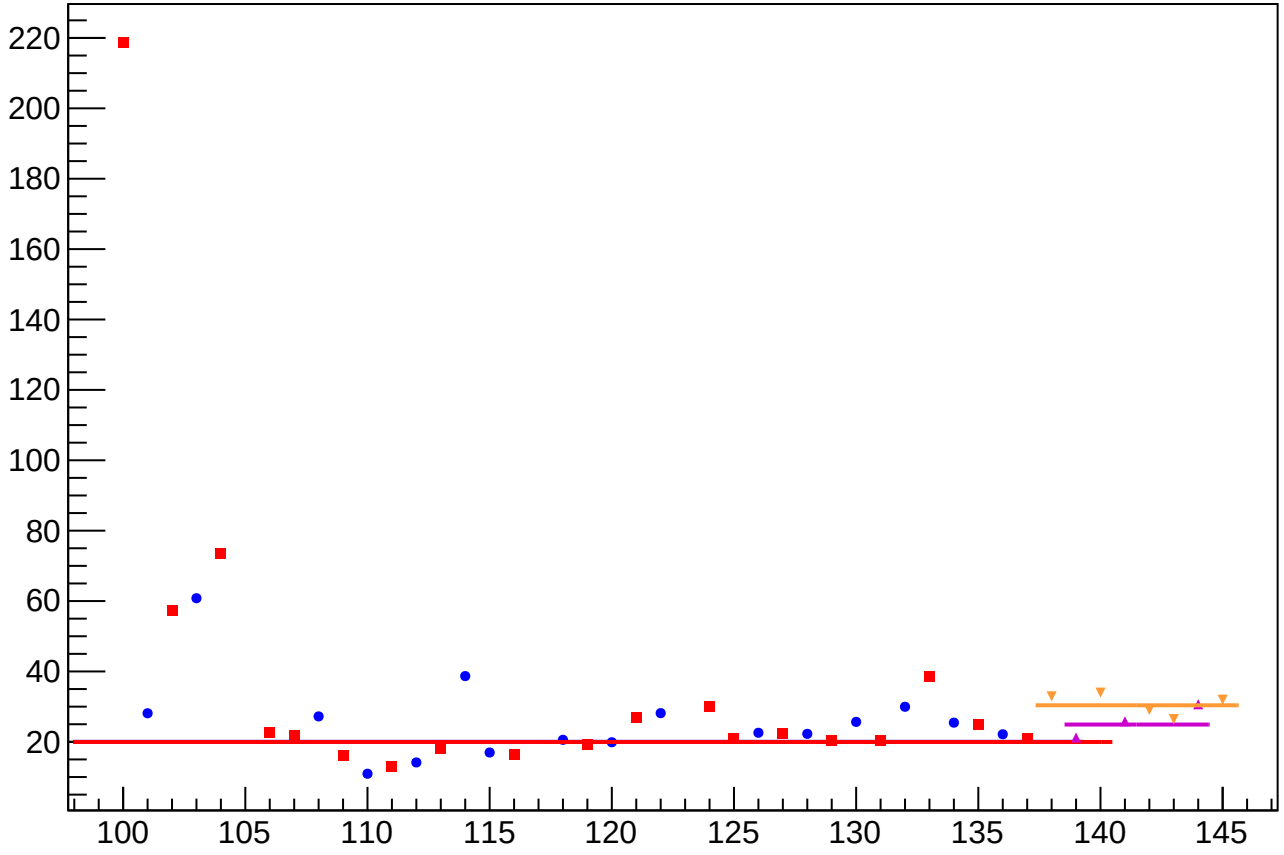
Left In: 0.004+/-0.016 χ^2/NDF:7.9/2

+ sign -0.000+/-0.007 χ^2/NDF: 15.3/20

All: 0.003+/-0.005 χ^2/NDF: 53.5/42

- sign 0.007+/-0.007 χ^2/NDF: 37.7/21

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

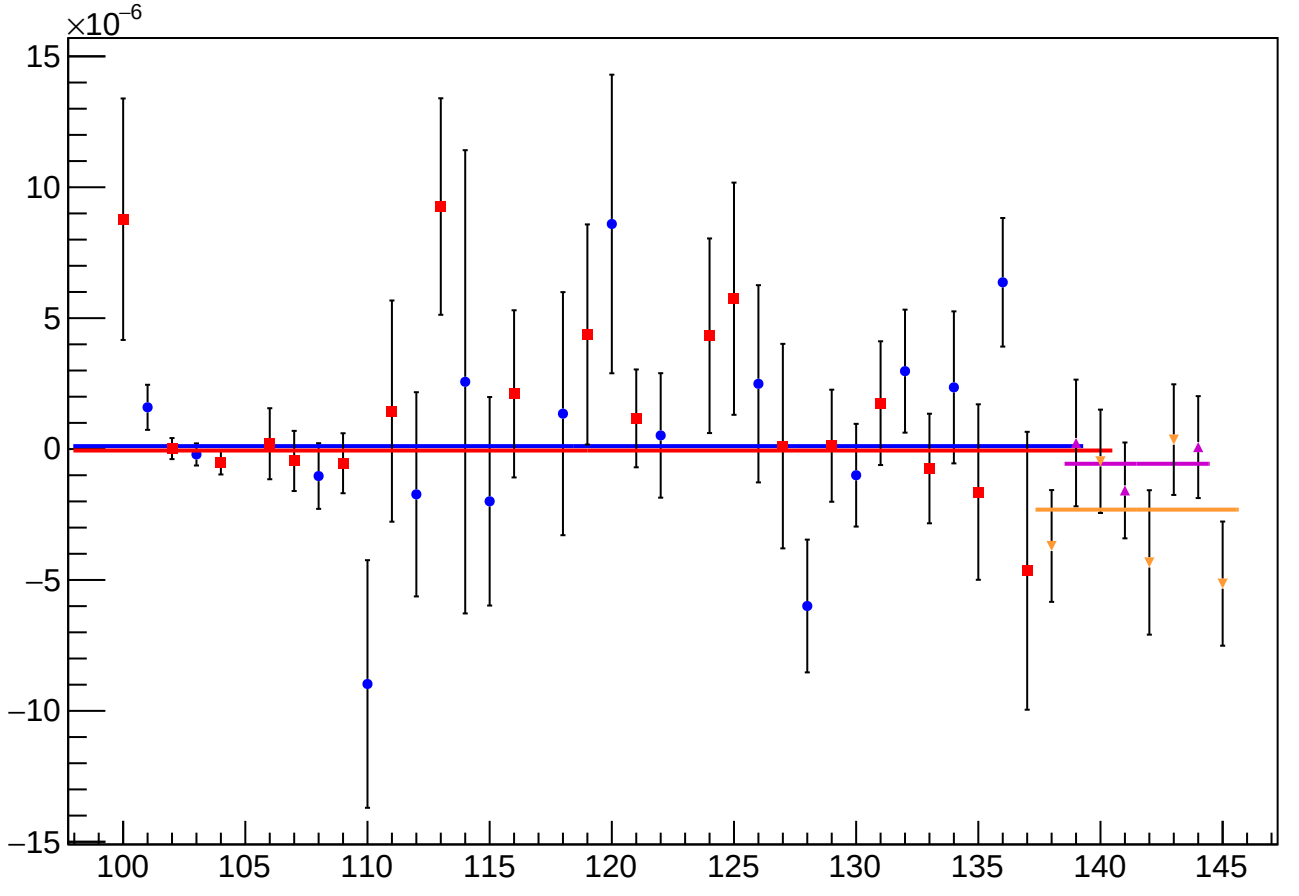
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.916+/-0.011 χ^2/NDF:111971.3/2

+ sign 22.064+/-0.005 χ^2/NDF: 2350454.4/20

All: 21.518+/-0.004 χ^2/NDF: 4356251.3/42

- sign 20.988+/-0.005 χ^2/NDF: 1983825.4/21



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

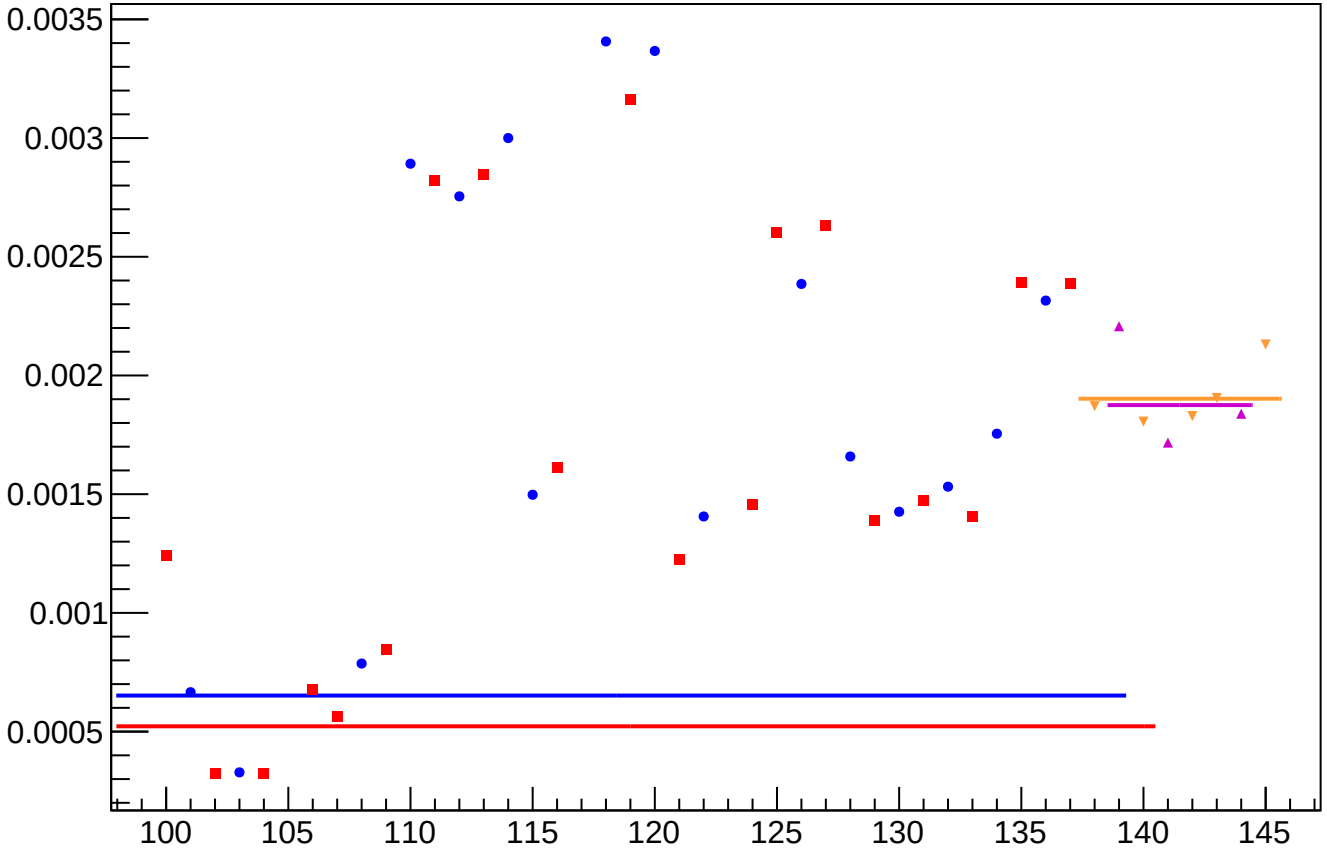
Left In: -0.000+/-0.000 χ^2/NDF:0.5/2

+ sign -0.000+/-0.000 χ^2/NDF: 36.2/20

All: -0.000+/-0.000 χ^2/NDF: 54.1/42

- sign -0.000+/-0.000 χ^2/NDF: 17.8/21

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

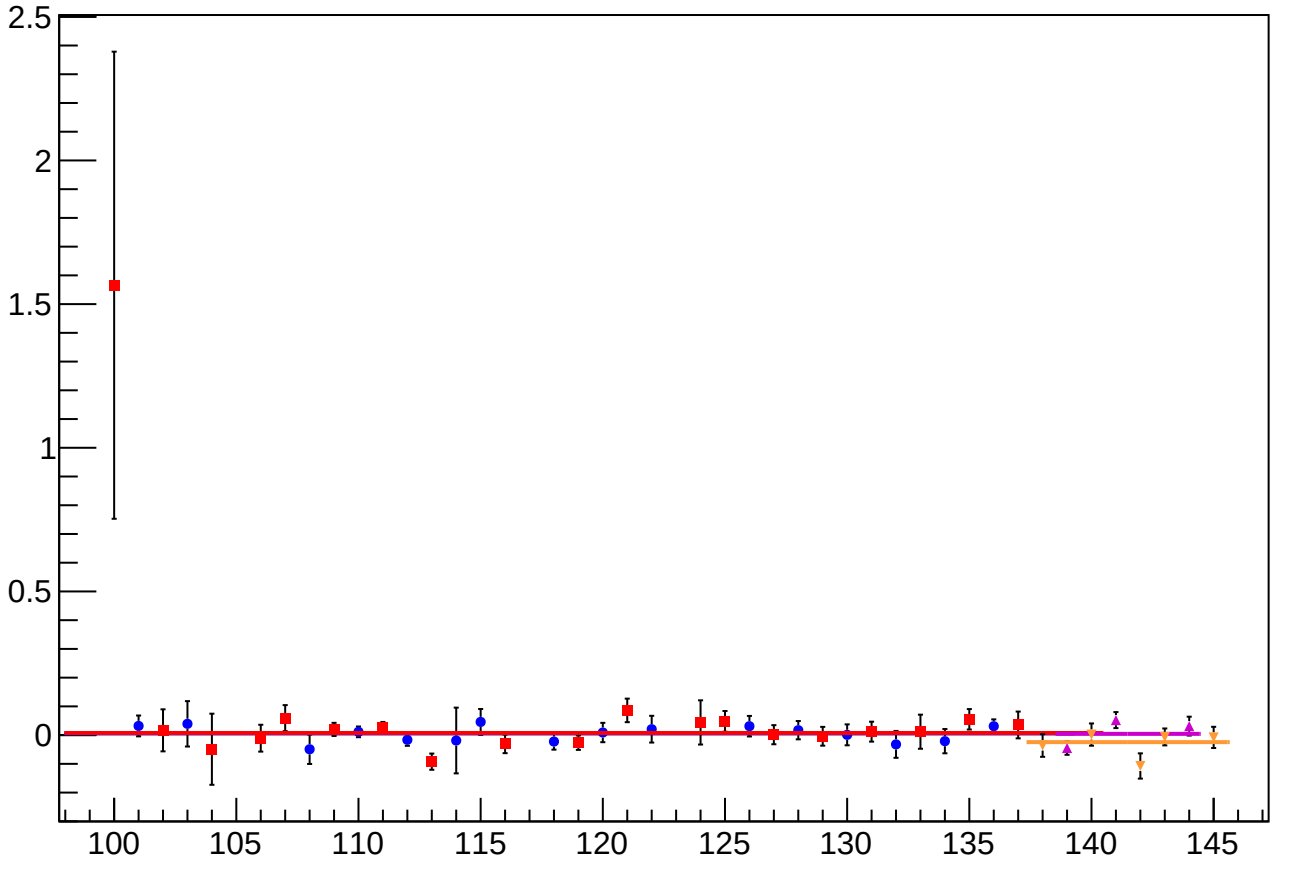
Left In: 0.002+/-0.000 χ^2/NDF:53261.3/2

\+ sign 0.001+/-0.000 χ^2/NDF: 9219472.1/20

All: 0.001+/-0.000 χ^2/NDF: 18952974.6/42

\- sign 0.001+/-0.000 χ^2/NDF: 9286959.9/21

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

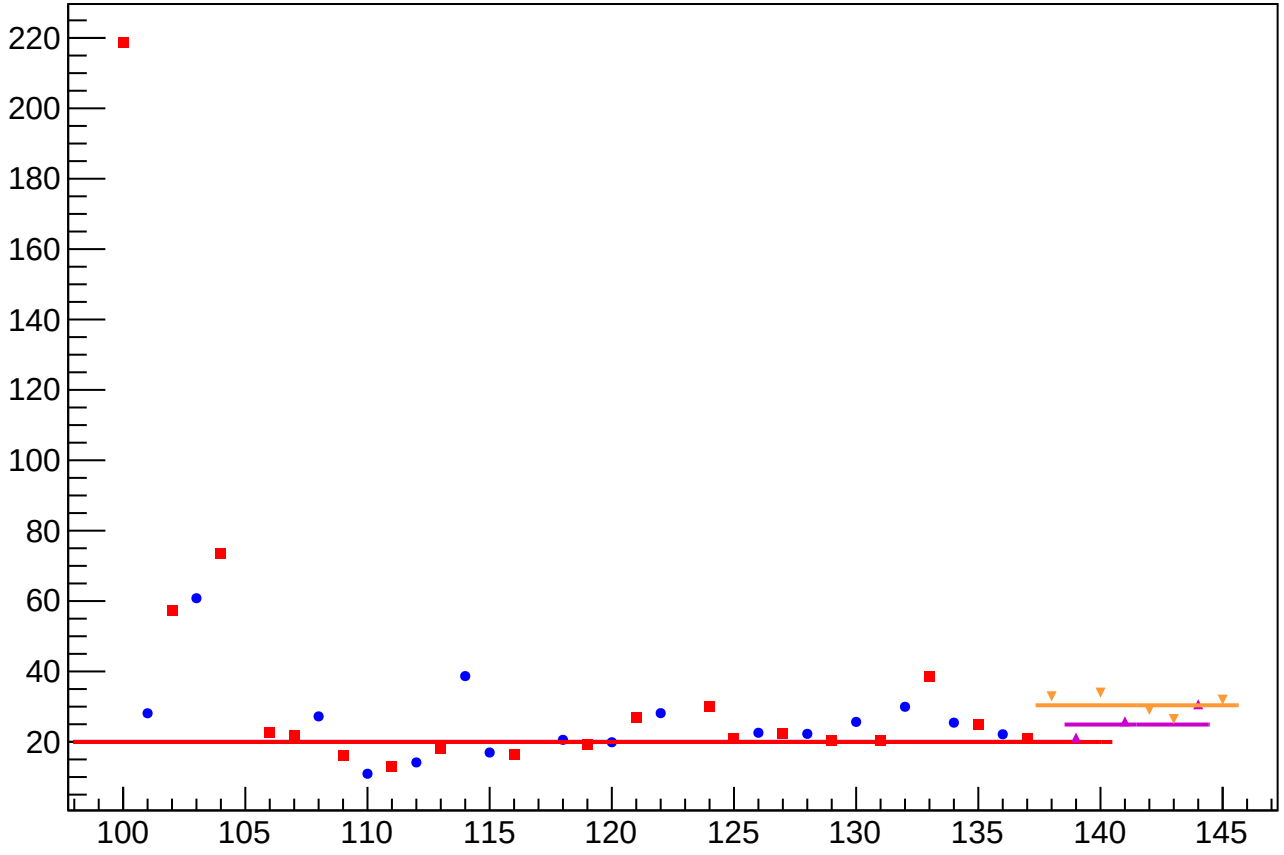
Left In: 0.004+/-0.016 χ^2/NDF:7.9/2

+ sign -0.000+/-0.007 χ^2/NDF: 15.3/20

All: 0.003+/-0.005 χ^2/NDF: 53.5/42

- sign 0.007+/-0.007 χ^2/NDF: 37.7/21

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

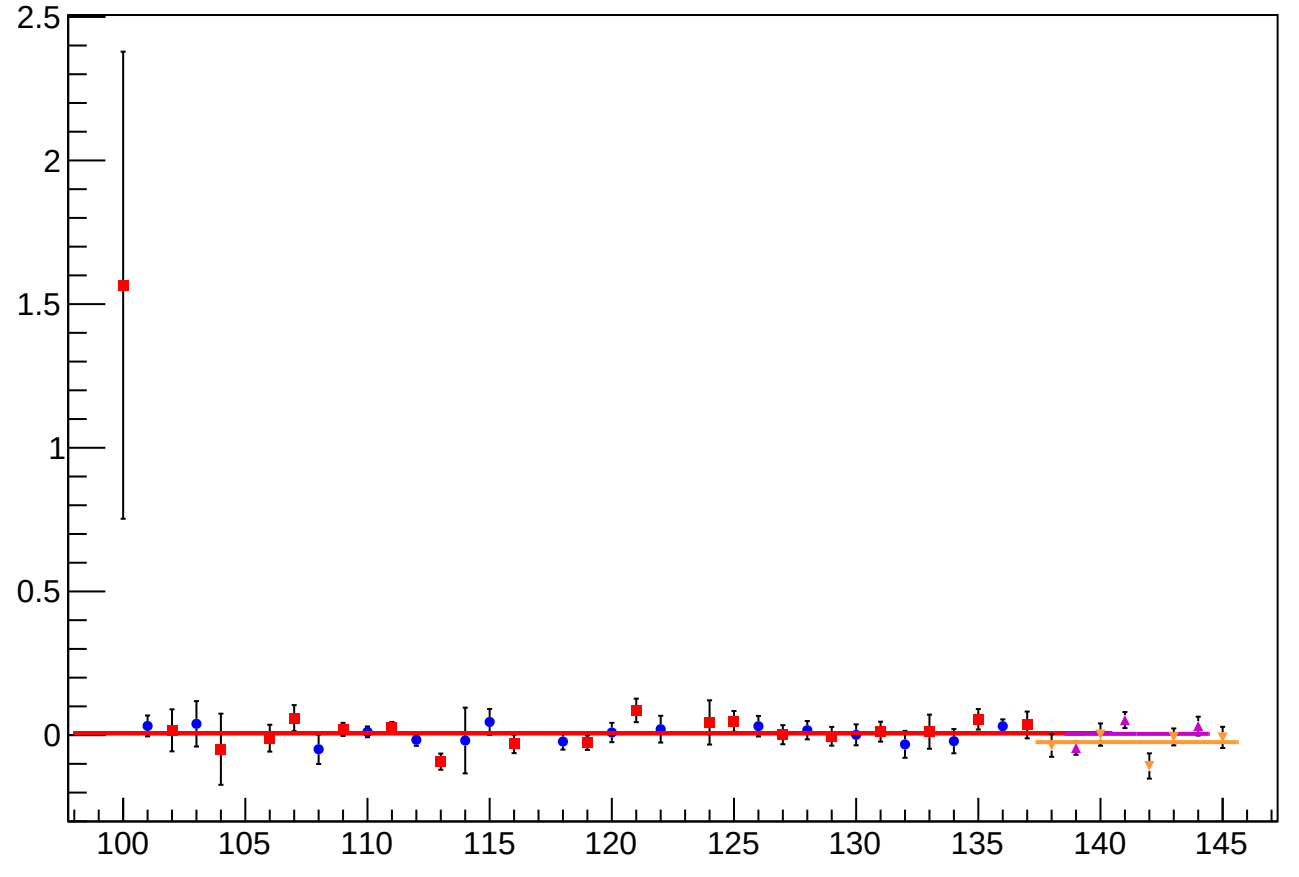
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.916+/-0.011 χ^2/NDF:111984.6/2

+ sign 22.064+/-0.005 χ^2/NDF: 2350244.0/20

All: 21.519+/-0.004 χ^2/NDF: 4355997.7/42

- sign 20.988+/-0.005 χ^2/NDF: 1983768.5/21



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

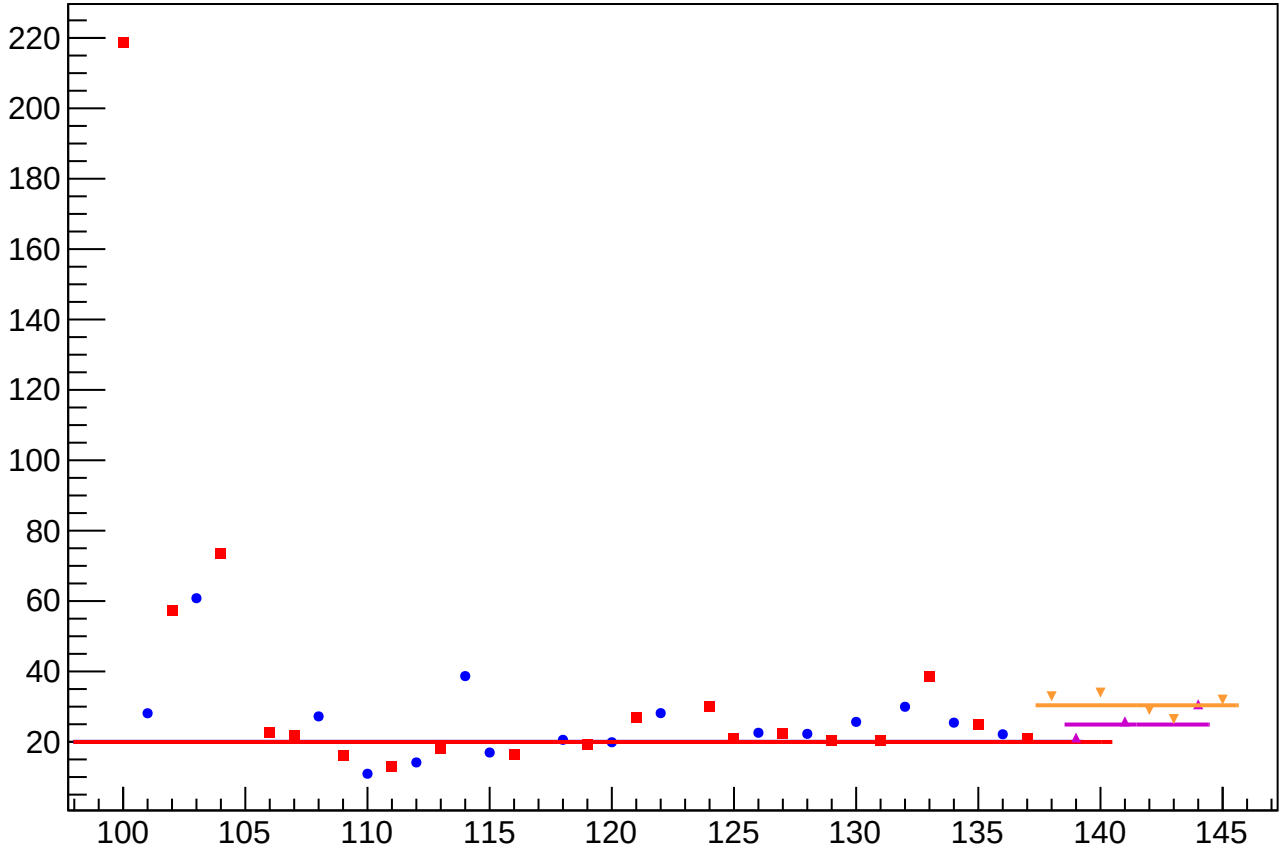
Left In: 0.004+/-0.016 χ^2/NDF:7.9/2

+ sign -0.000+/-0.007 χ^2/NDF: 15.3/20

All: 0.003+/-0.005 χ^2/NDF: 53.5/42

- sign 0.007+/-0.007 χ^2/NDF: 37.7/21

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

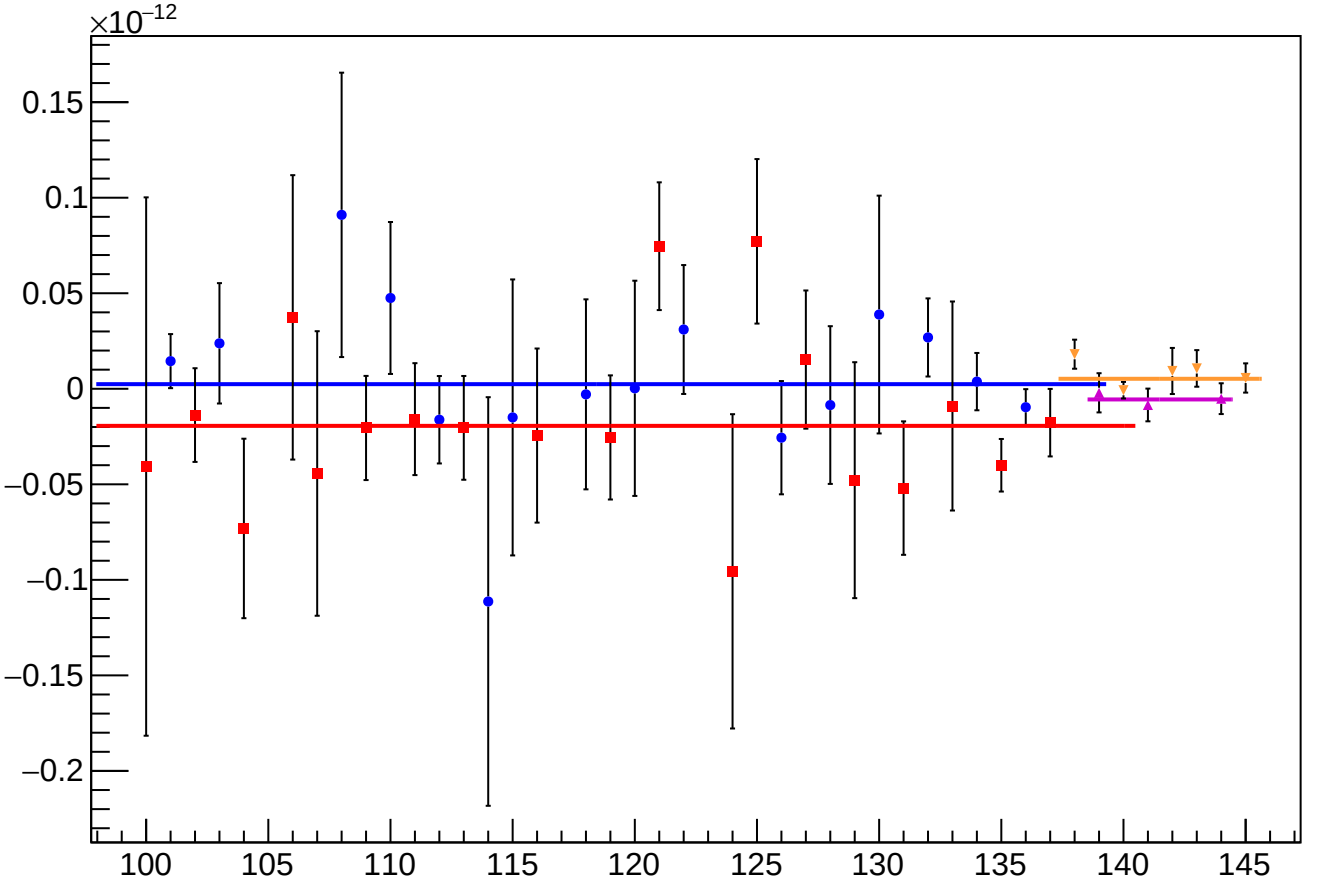
Left In: 24.916+/-0.011 χ^2/NDF:111984.6/2

+ sign 22.064+/-0.005 χ^2/NDF: 2350244.0/20

All: 21.519+/-0.004 χ^2/NDF: 4355997.7/42

- sign 20.988+/-0.005 χ^2/NDF: 1983768.5/21

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

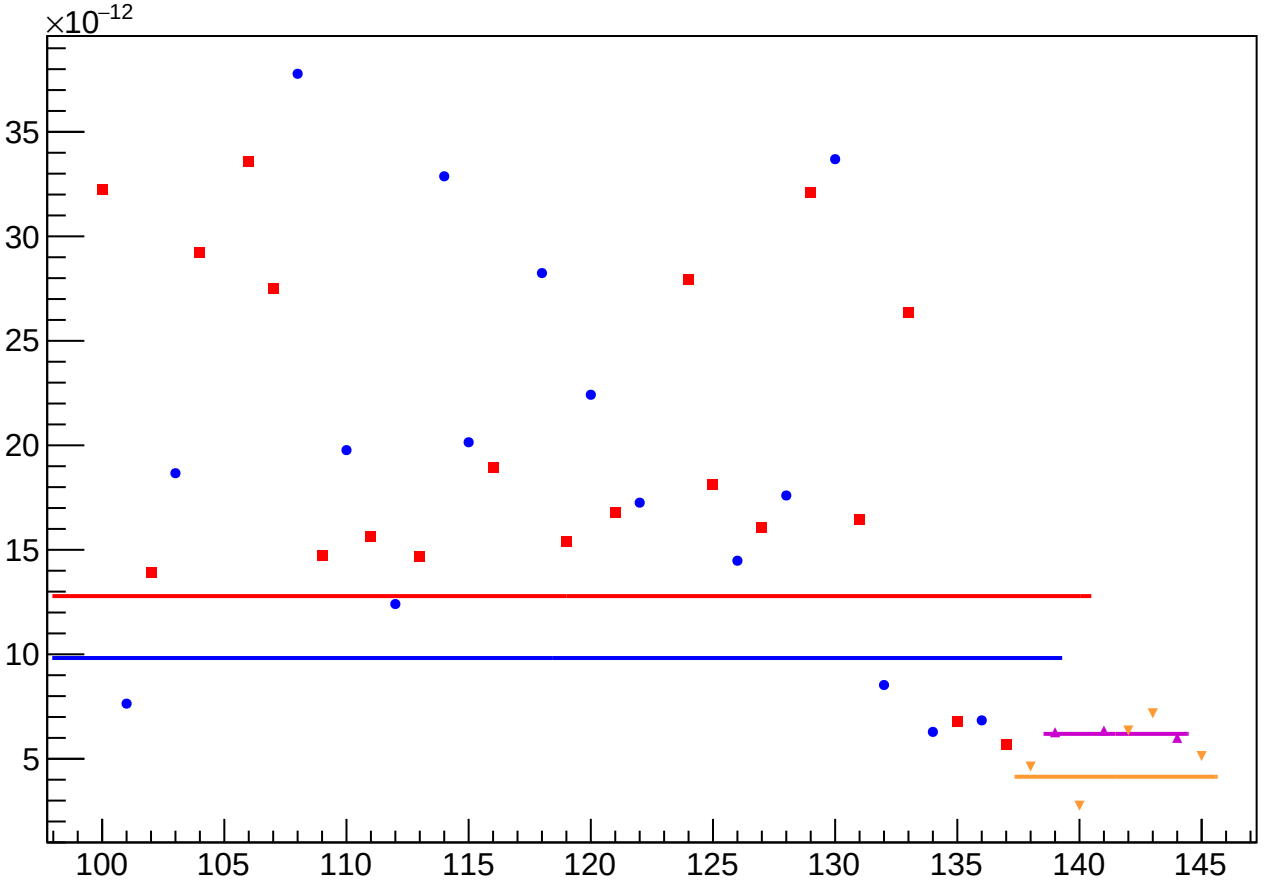
Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/20

All: 0.000+/-0.000 χ^2/NDF: 48.3/42

- sign -0.000+/-0.000 χ^2/NDF: 23.0/21

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:513327.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

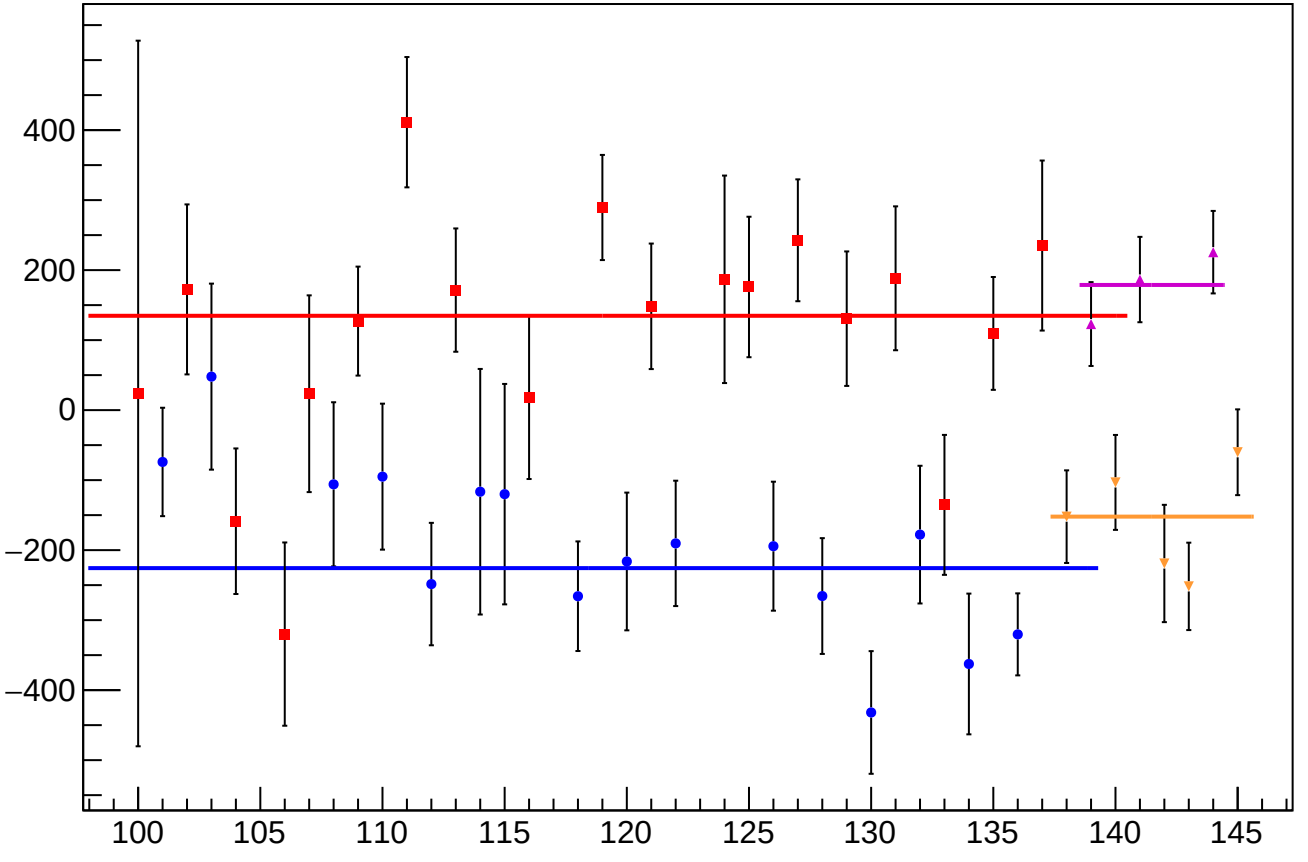
Left In: 0.000+/-0.000 χ^2/NDF:1935.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 4021484.9/20

All: 0.000+/-0.000 χ^2/NDF: 7719854.3/42

- sign 0.000+/-0.000 χ^2/NDF: 2948143.1/21

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

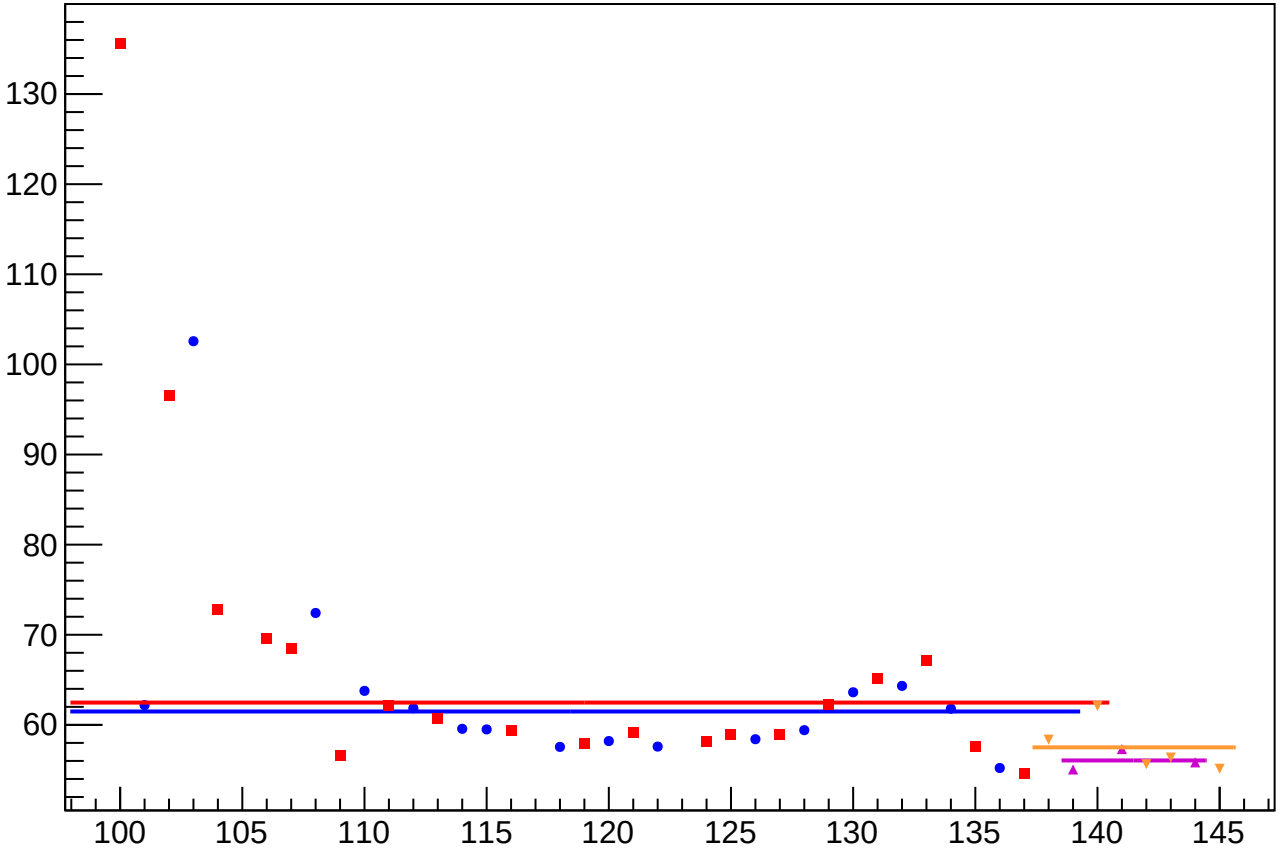
Left In: 178.807+/-34.591 χ^2/NDF:1.5/2

\+ sign -198.275+/-18.311 χ^2/NDF: 32.3/20

All: -33.707+/-13.272 χ^2/NDF: 250.4/42

\- sign 148.421+/-19.263 χ^2/NDF: 47.9/21

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

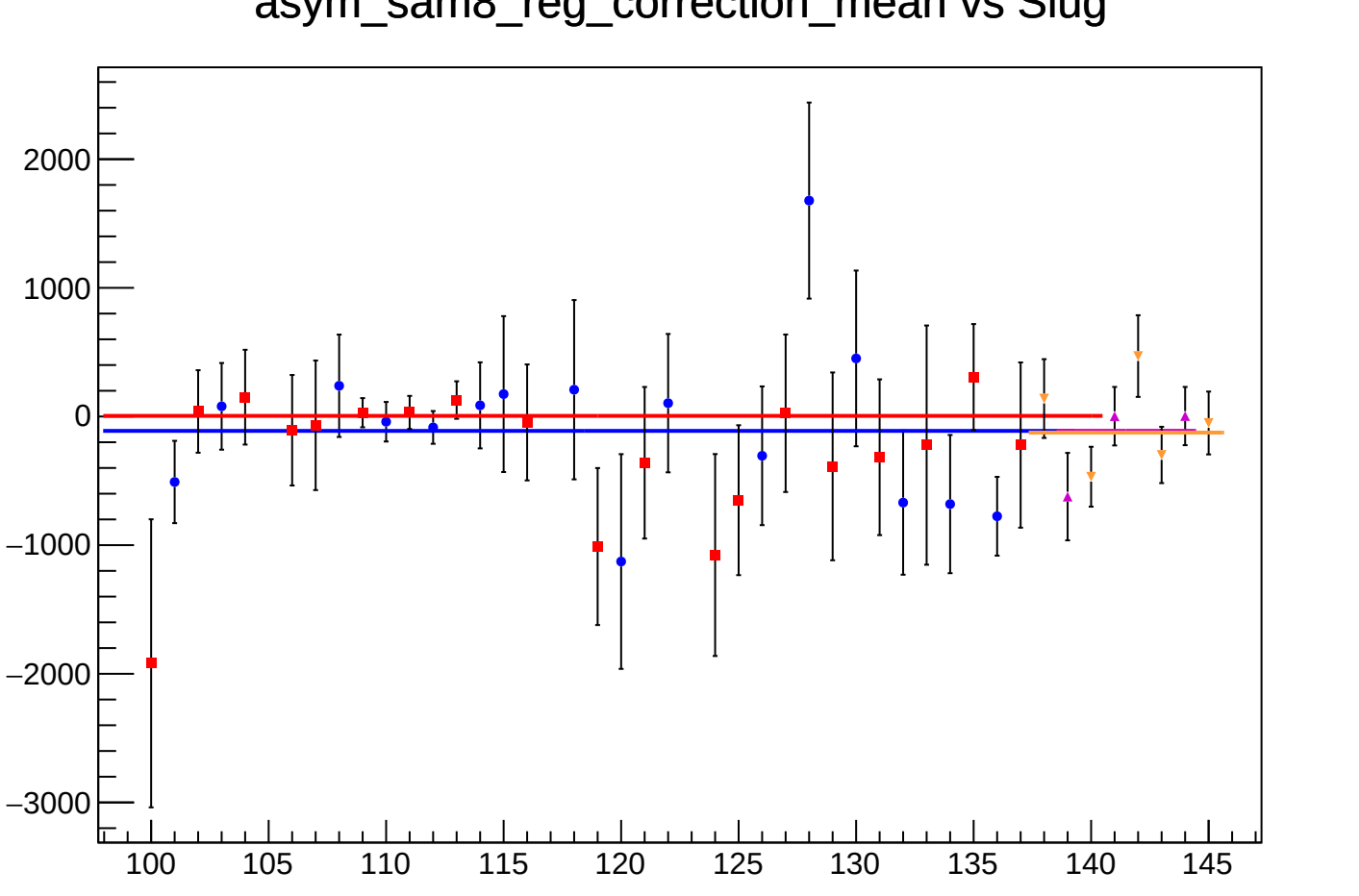
Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.054+/-0.024 χ^2/NDF:1437.6/2

+ sign 60.003+/-0.013 χ^2/NDF: 286855.6/20

All: 60.231+/-0.009 χ^2/NDF: 617656.3/42

- sign 60.484+/-0.014 χ^2/NDF: 330145.3/21



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

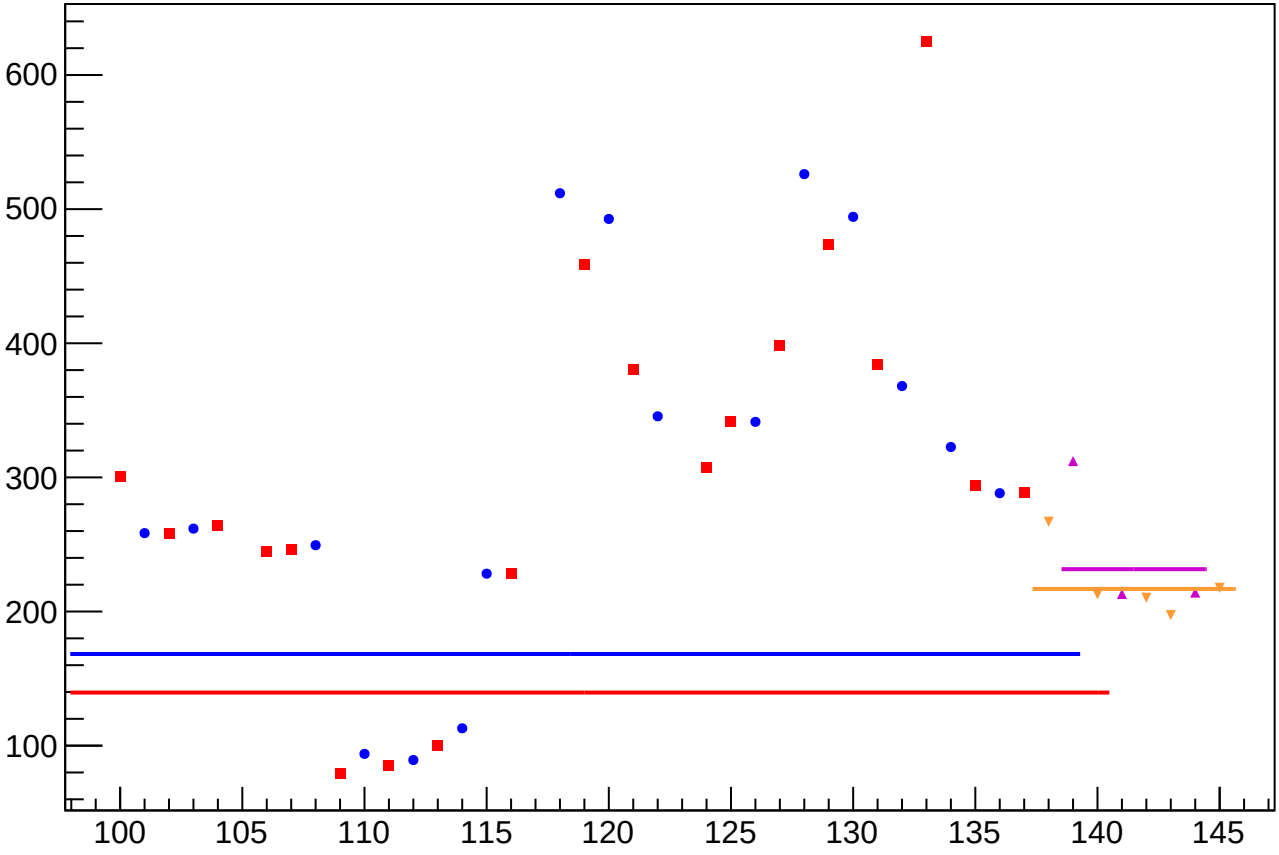
Left In: -111.119+/-145.100 χ^2/NDF:2.8/2

+ sign -115.886+/-63.391 χ^2/NDF: 25.6/20

All: -60.849+/-42.993 χ^2/NDF: 42.0/42

- sign -13.968+/-58.505 χ^2/NDF: 14.9/21

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

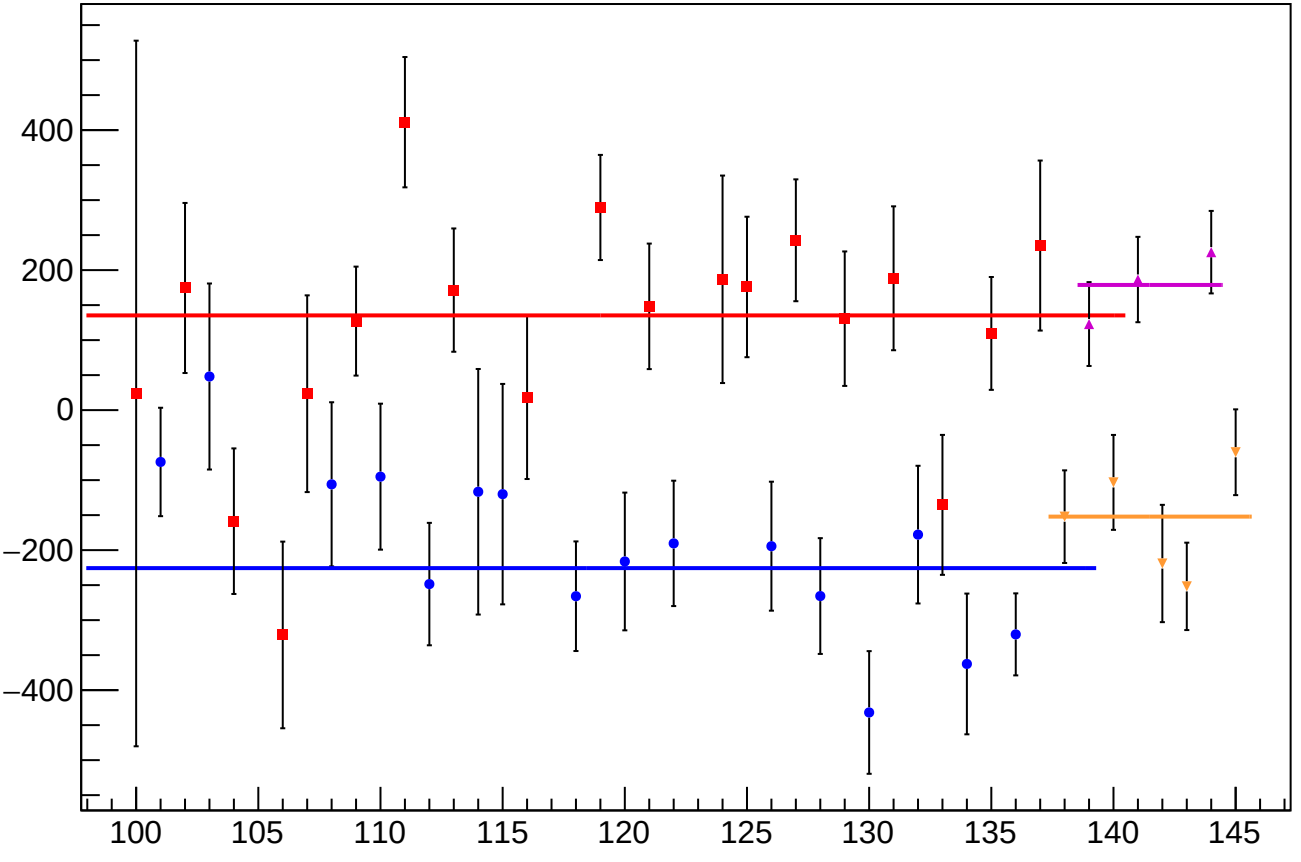
Left In: 231.576+/-0.103 χ^2/NDF:137607.4/2

+ sign 183.286+/-0.045 χ^2/NDF: 4864997.1/20

All: 167.767+/-0.030 χ^2/NDF: 11051783.6/42

- sign 154.548+/-0.041 χ^2/NDF: 5964812.0/21

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

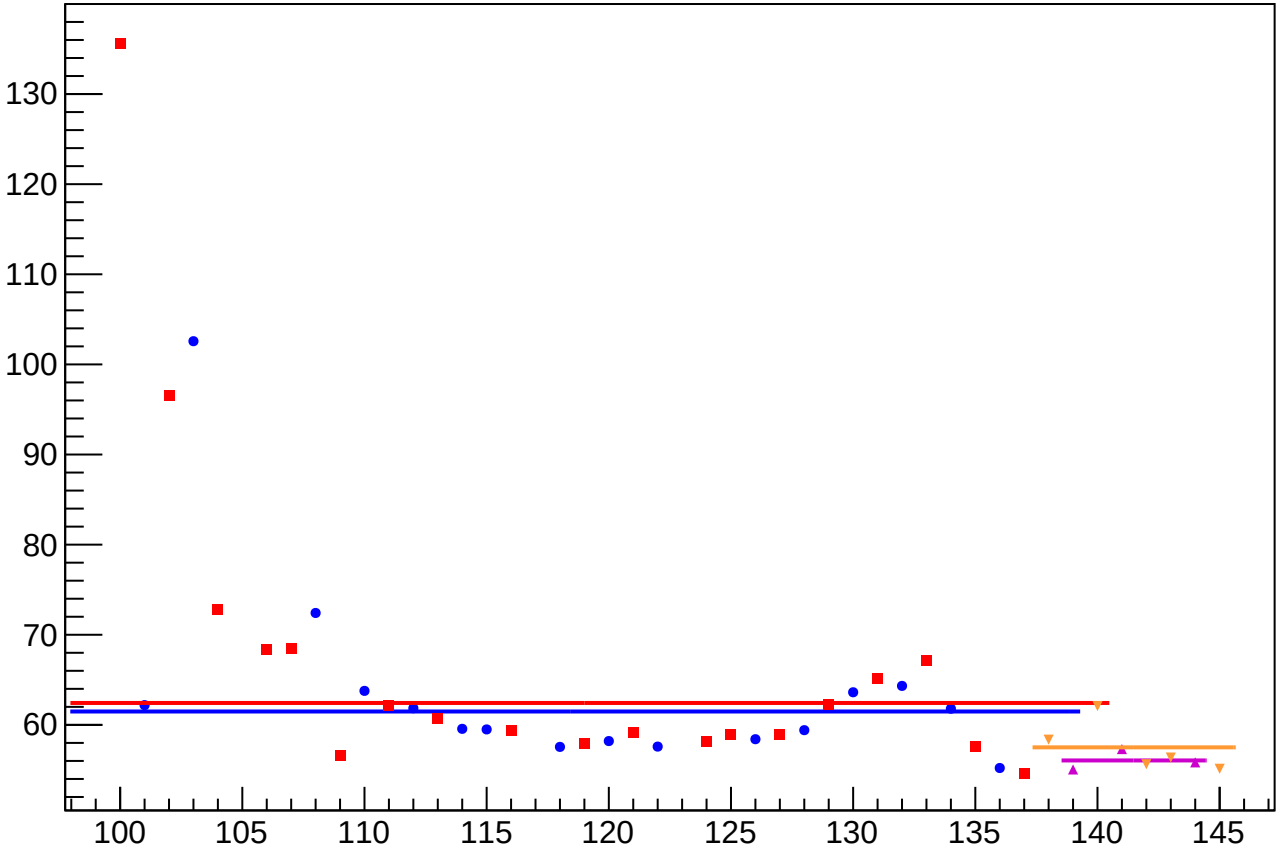
Left In: 178.809+/-34.591 χ^2/NDF:1.5/2

+ sign -198.273+/-18.311 χ^2/NDF: 32.3/20

All: -33.589+/-13.274 χ^2/NDF: 250.3/42

- sign 148.811+/-19.271 χ^2/NDF: 47.5/21

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

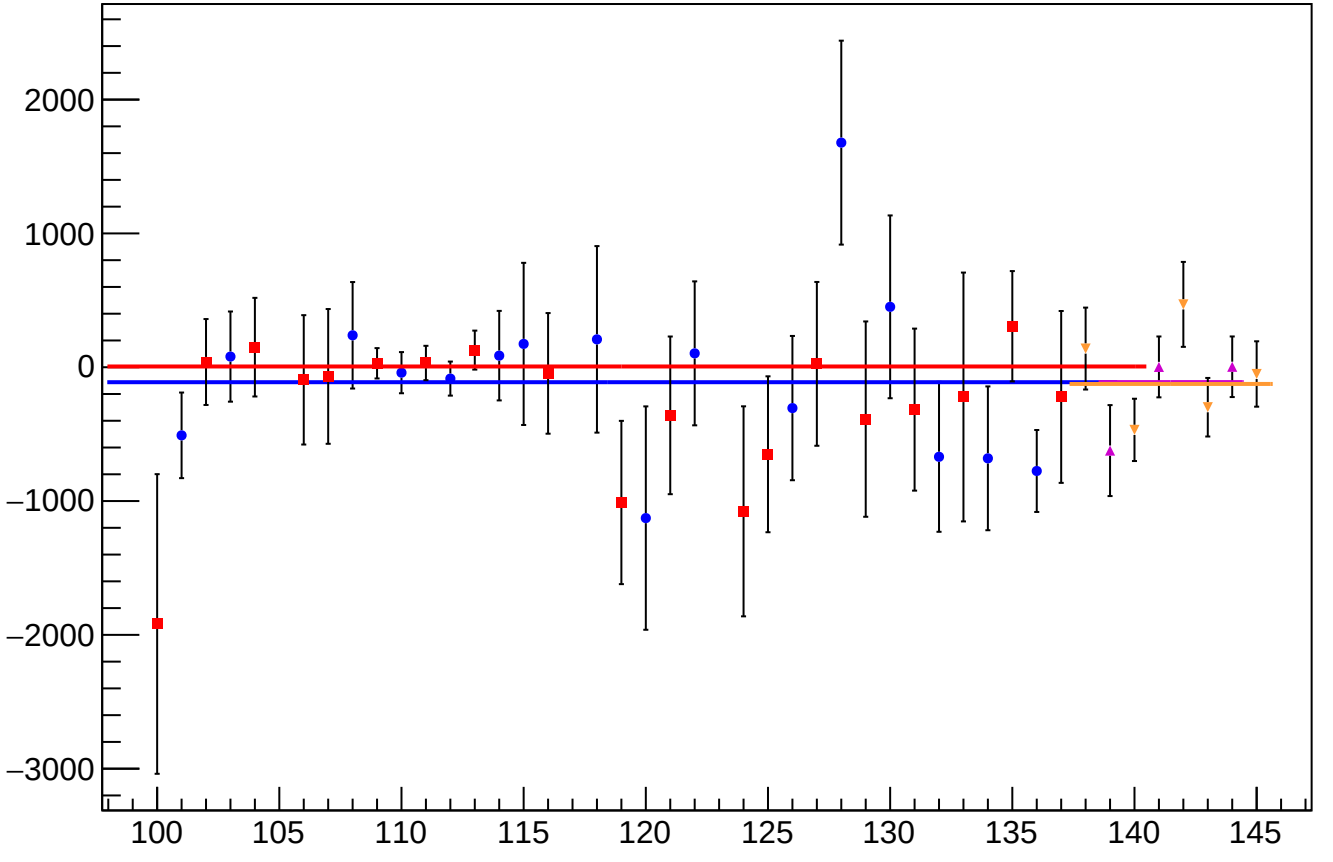
Left In: 56.054+/-0.024 χ^2/NDF:1437.6/2

\+ sign 60.003+/-0.013 χ^2/NDF: 286858.2/20

All: 60.217+/-0.009 χ^2/NDF: 615183.9/42

\- sign 60.453+/-0.014 χ^2/NDF: 327753.0/21

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

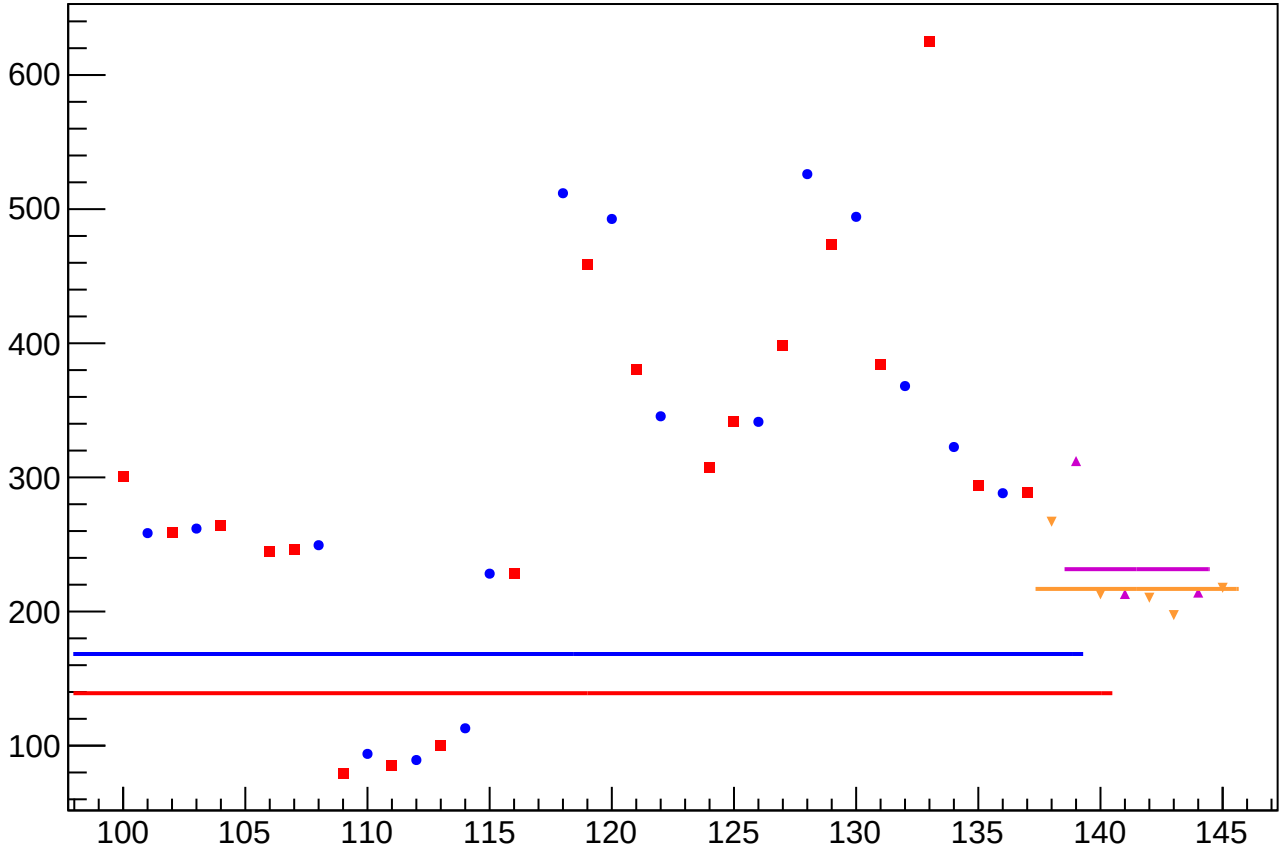
Left In: -111.114+/-145.100 χ^2/NDF:2.8/2

+ sign -115.873+/-63.391 χ^2/NDF: 25.6/20

All: -60.657+/-43.039 χ^2/NDF: 42.0/42

- sign -13.437+/-58.622 χ^2/NDF: 14.9/21

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

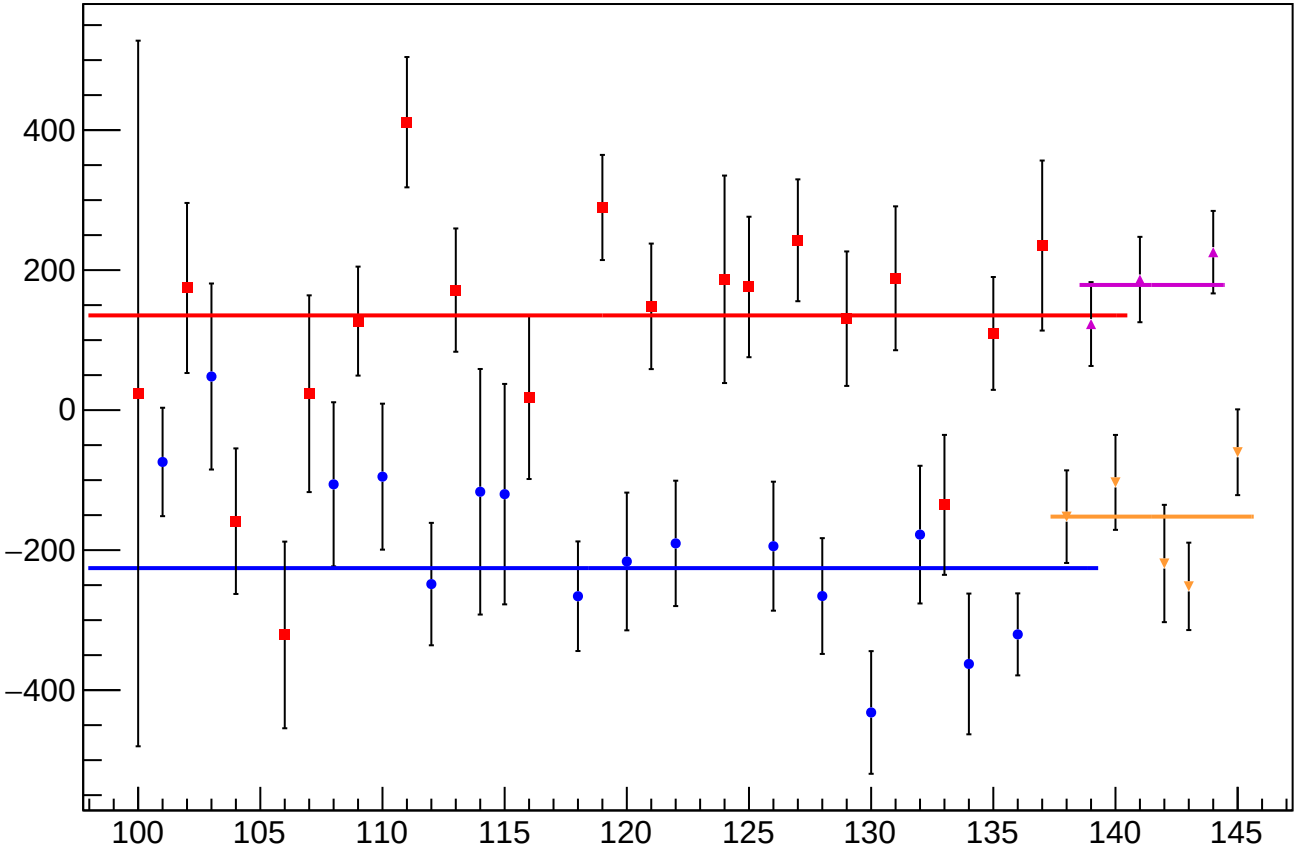
Left In: 231.576+/-0.103 χ^2/NDF:137607.6/2

+ sign 183.286+/-0.045 χ^2/NDF: 4865044.0/20

All: 167.607+/-0.030 χ^2/NDF: 11039352.3/42

- sign 154.198+/-0.041 χ^2/NDF: 5947317.0/21

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

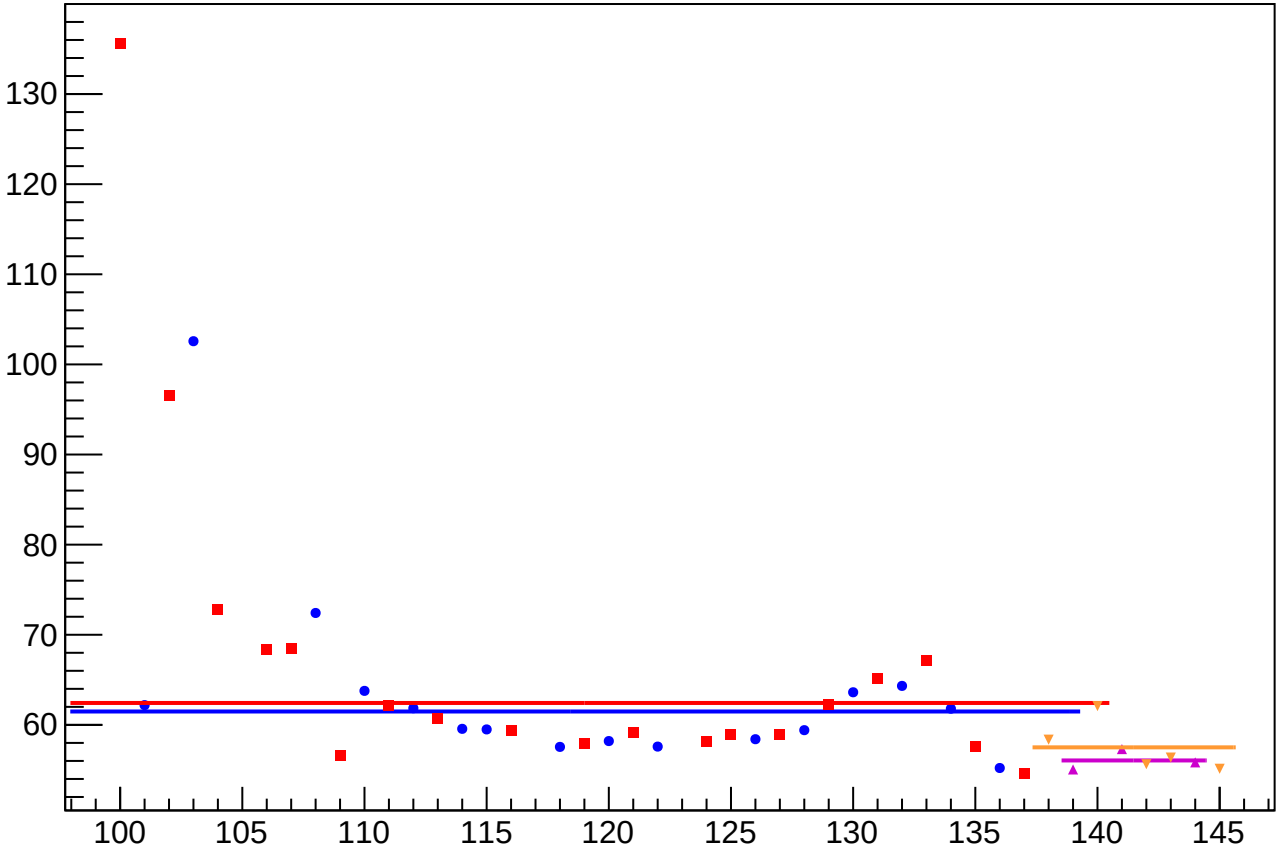
Left In: 178.809+/-34.591 χ^2/NDF:1.5/2

+ sign -198.273+/-18.311 χ^2/NDF: 32.3/20

All: -33.589+/-13.274 χ^2/NDF: 250.3/42

- sign 148.811+/-19.271 χ^2/NDF: 47.5/21

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

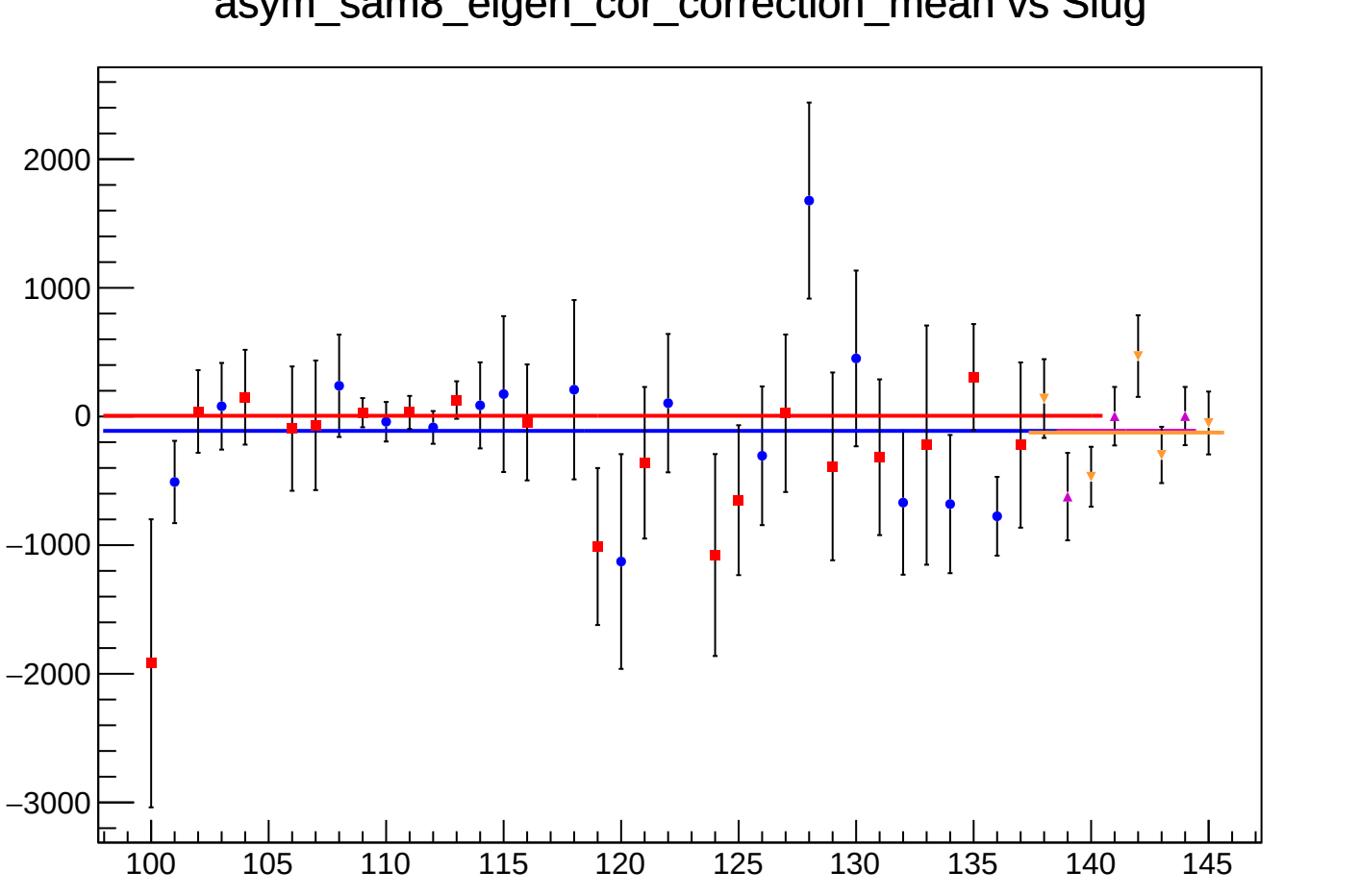
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.054+/-0.024 χ^2/NDF:1437.6/2

+ sign 60.003+/-0.013 χ^2/NDF: 286858.2/20

All: 60.217+/-0.009 χ^2/NDF: 615183.9/42

- sign 60.453+/-0.014 χ^2/NDF: 327753.0/21



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

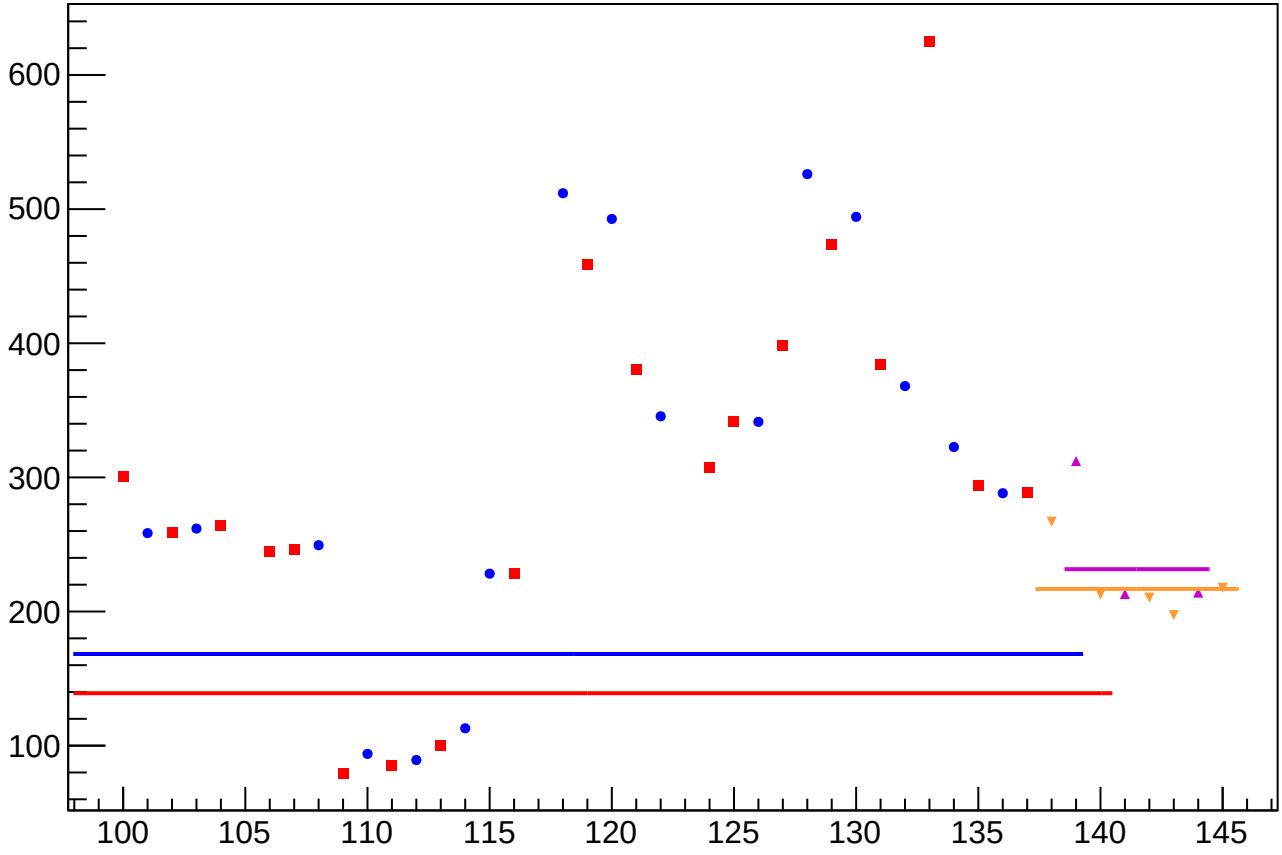
Left In: -111.114+/-145.100 χ^2/NDF:2.8/2

+ sign -115.873+/-63.391 χ^2/NDF: 25.6/20

All: -60.657+/-43.039 χ^2/NDF: 42.0/42

- sign -13.437+/-58.622 χ^2/NDF: 14.9/21

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

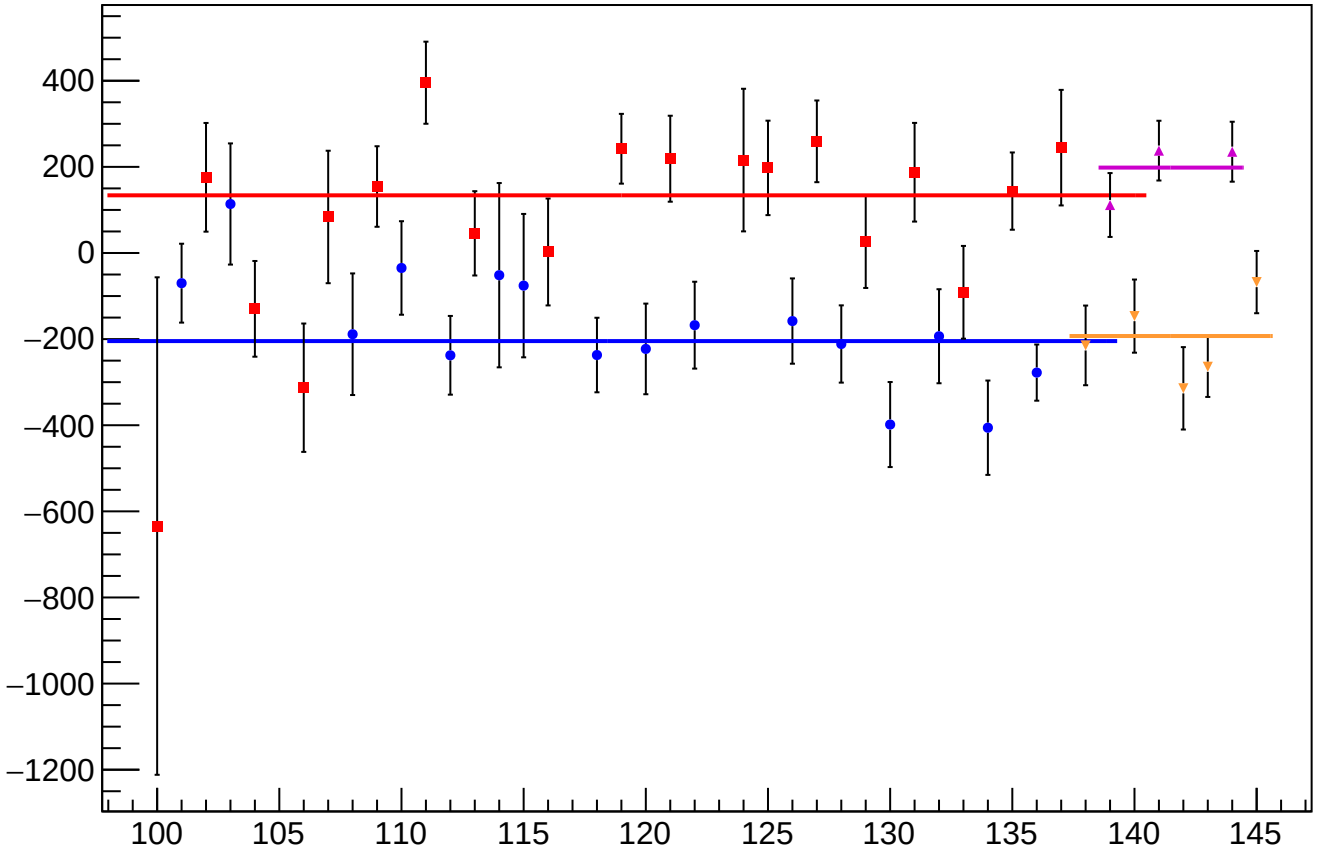
Left In: 231.576+/-0.103 χ^2/NDF:137607.6/2

+ sign 183.286+/-0.045 χ^2/NDF: 4865044.0/20

All: 167.607+/-0.030 χ^2/NDF: 11039352.3/42

- sign 154.198+/-0.041 χ^2/NDF: 5947317.0/21

dit_asym_sam8_mean vs Slug



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

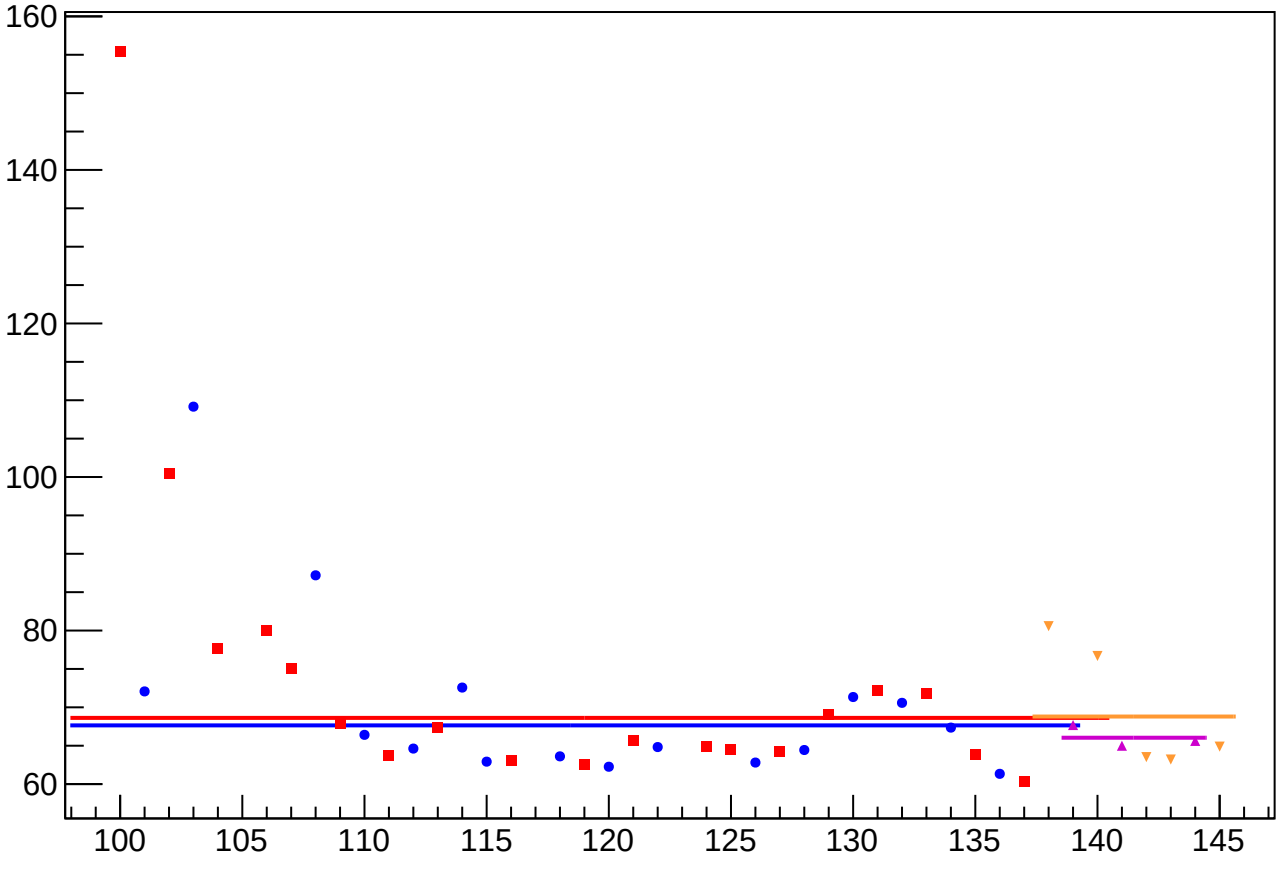
Left In: 198.322+/-40.968 χ^2/NDF:2.0/2

+ sign -200.686+/-20.875 χ^2/NDF: 26.1/20

All: -30.726+/-15.024 χ^2/NDF: 204.6/42

- sign 151.890+/-21.639 χ^2/NDF: 41.0/21

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

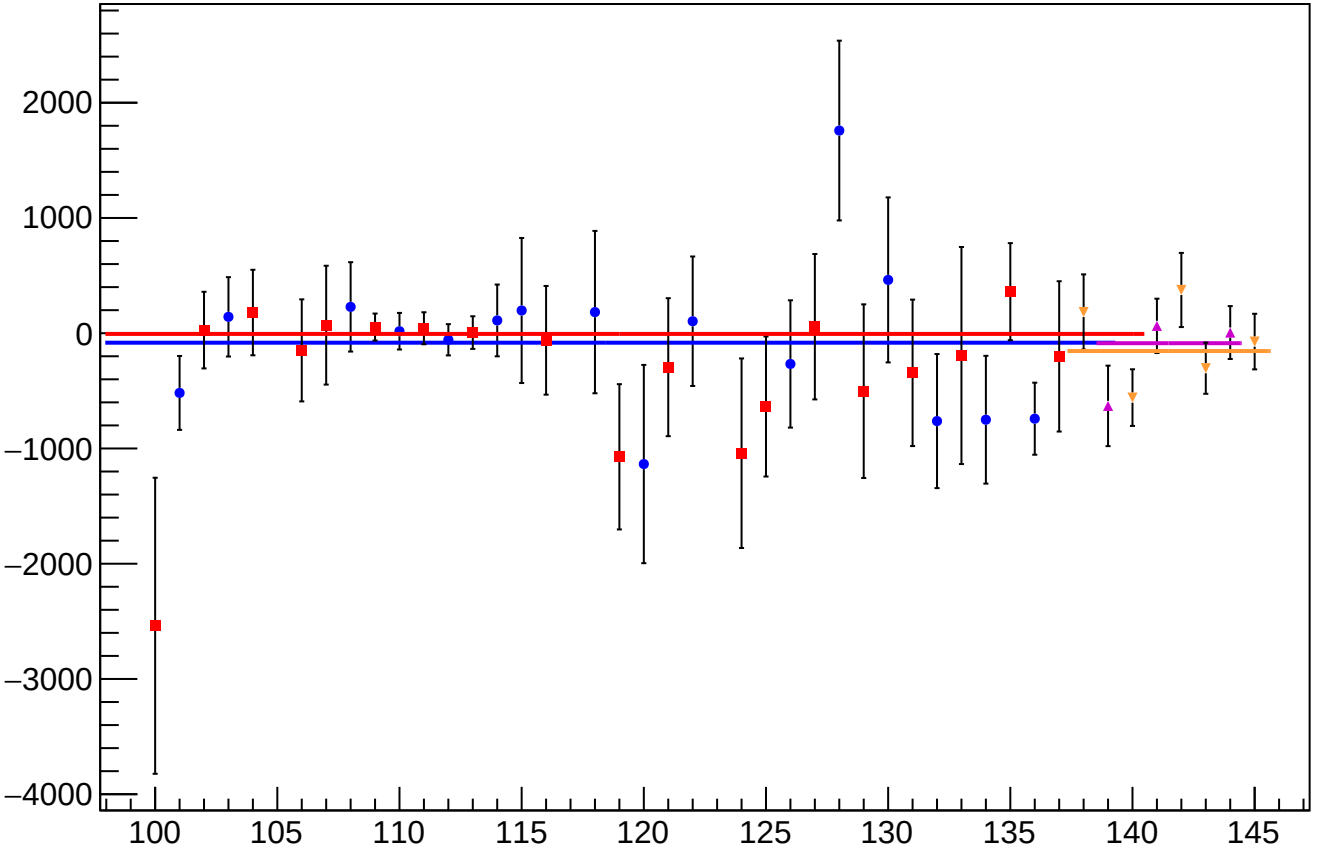
Left In: 66.040+/-0.029 χ^2/NDF:1515.5/2

+ sign 68.029+/-0.015 χ^2/NDF: 339386.6/20

All: 67.968+/-0.011 χ^2/NDF: 594840.1/42

- sign 67.903+/-0.015 χ^2/NDF: 255418.2/21

asym_sam8_dit_correction_mean vs Slug



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

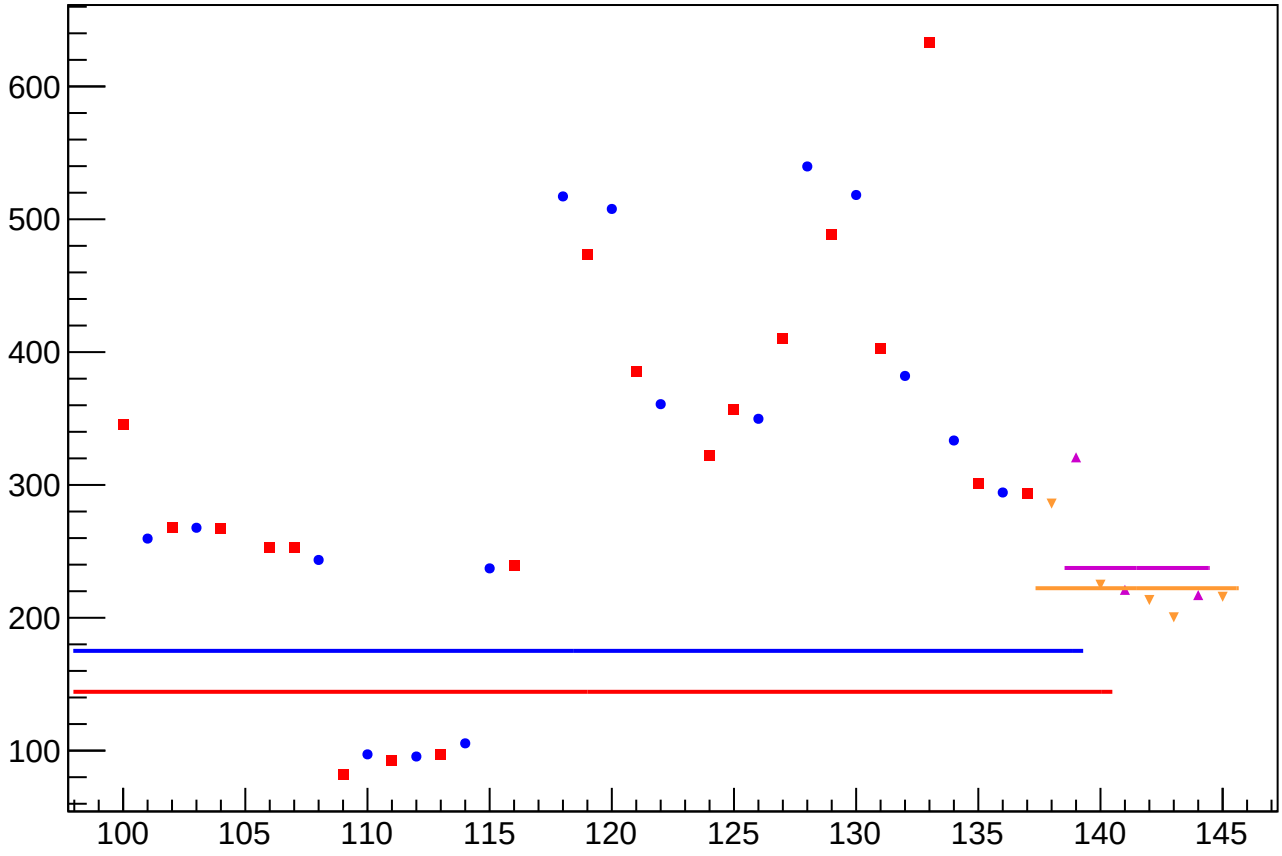
Left In: -86.575+/-148.741 χ^2/NDF:3.0/2

+ sign -104.806+/-65.286 χ^2/NDF: 26.5/20

All: -58.622+/-44.280 χ^2/NDF: 42.7/42

- sign -19.278+/-60.259 χ^2/NDF: 15.3/21

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

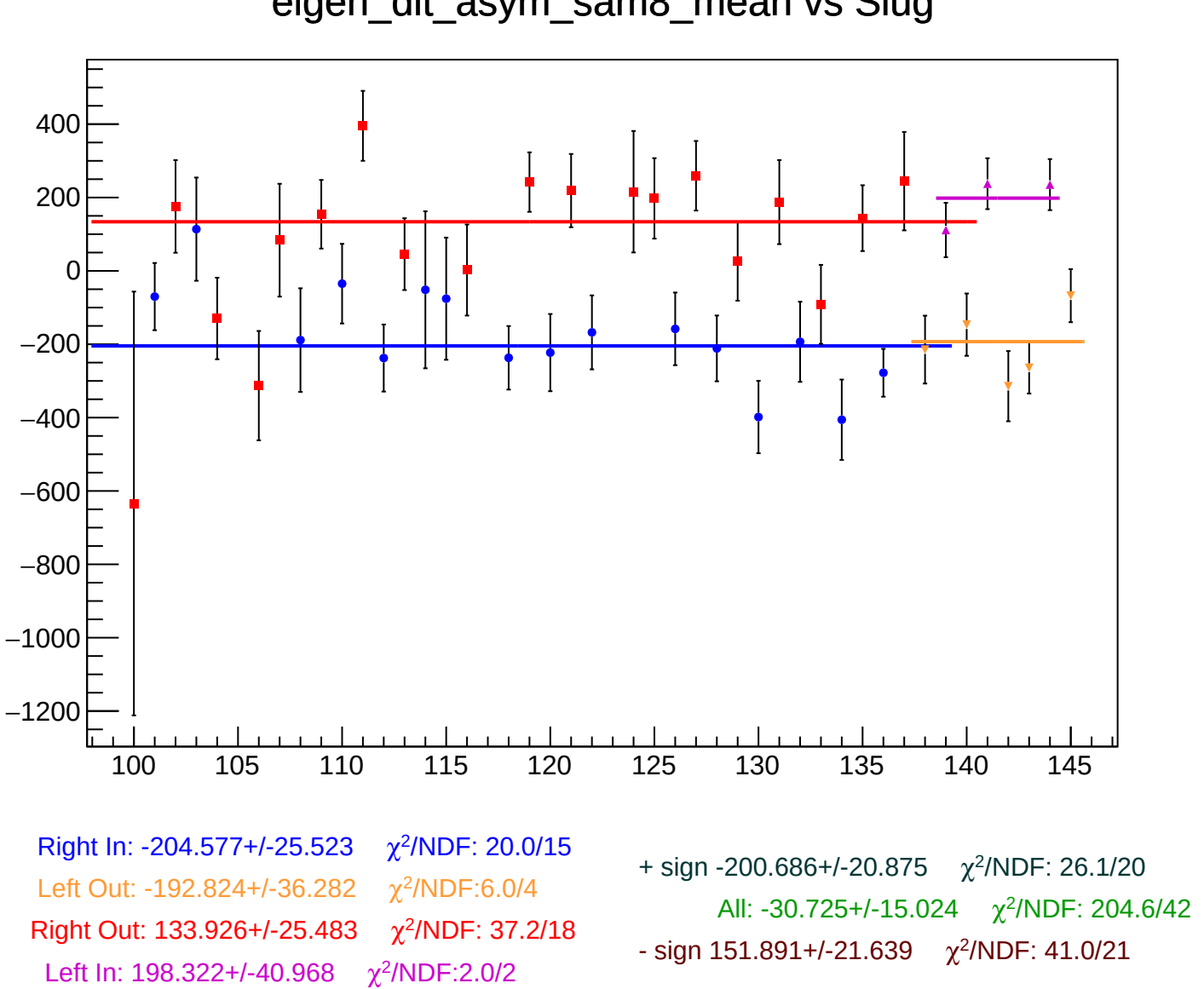
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 237.496+/-0.105 χ^2/NDF:139413.5/2

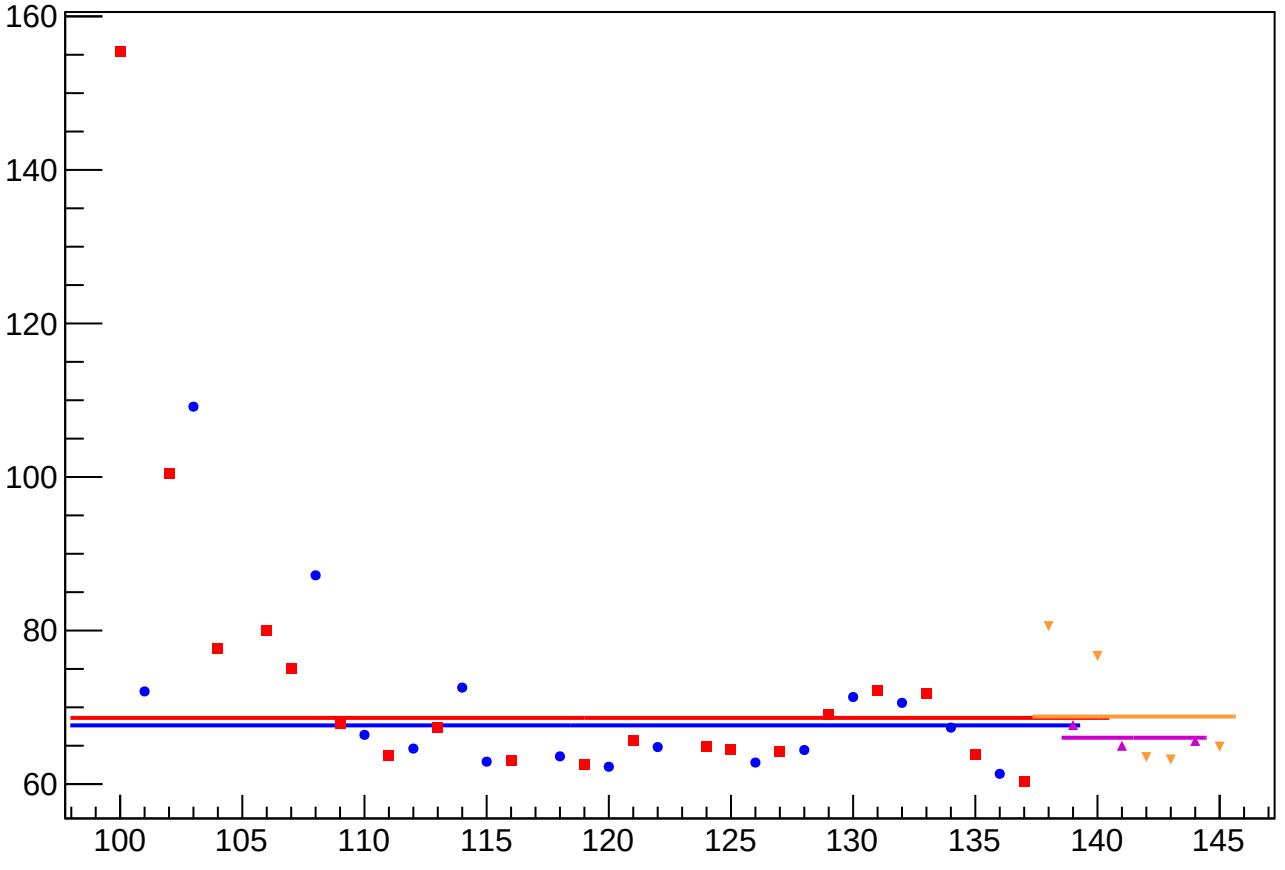
+ sign 189.785+/-0.046 χ^2/NDF: 4751606.6/20

All: 173.473+/-0.031 χ^2/NDF: 10911310.9/42

- sign 159.576+/-0.043 χ^2/NDF: 5928481.0/21


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
105
110
115
120
125
130
135
140
145
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -192.824+/-36.282 χ²/NDF:6.0/4
Right Out: 133.926+/-25.483 χ²/NDF: 37.2/18
Left In: 198.322+/-40.968 χ²/NDF:2.0/2
+ sign -200.686+/-20.875 χ²/NDF: 26.1/20
All: -30.725+/-15.024 χ²/NDF: 204.6/42
- sign 151.891+/-21.639 χ²/NDF: 41.0/21

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

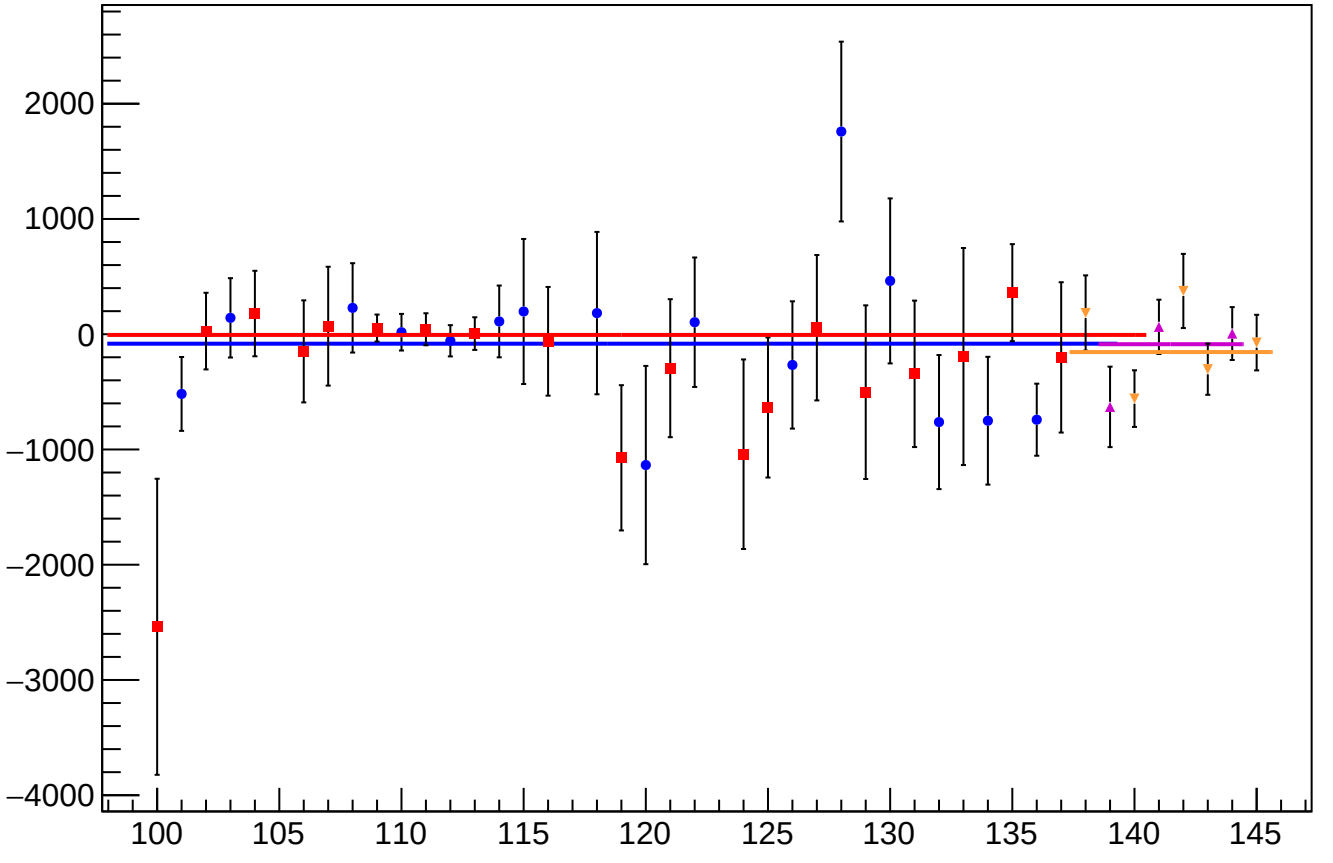
Left In: 66.040+/-0.029 χ^2/NDF:1515.3/2

+ sign 68.029+/-0.015 χ^2/NDF: 339383.9/20

All: 67.968+/-0.011 χ^2/NDF: 594837.5/42

- sign 67.903+/-0.015 χ^2/NDF: 255418.3/21

asym_sam8_eigen_dit_correction_mean vs Slug



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

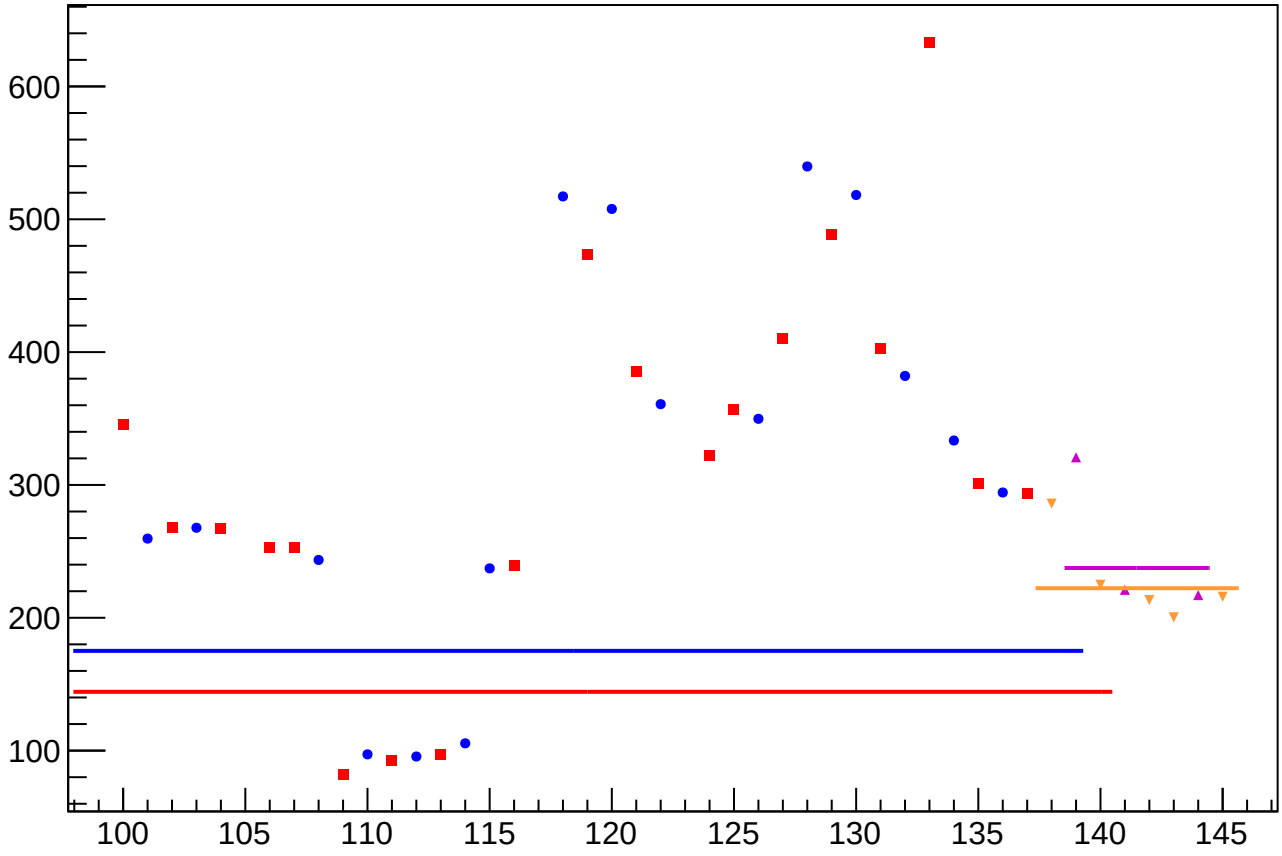
Left In: -86.576+/-148.741 χ^2/NDF:3.0/2

+ sign -104.805+/-65.286 χ^2/NDF: 26.5/20

All: -58.622+/-44.280 χ^2/NDF: 42.7/42

- sign -19.277+/-60.259 χ^2/NDF: 15.3/21

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

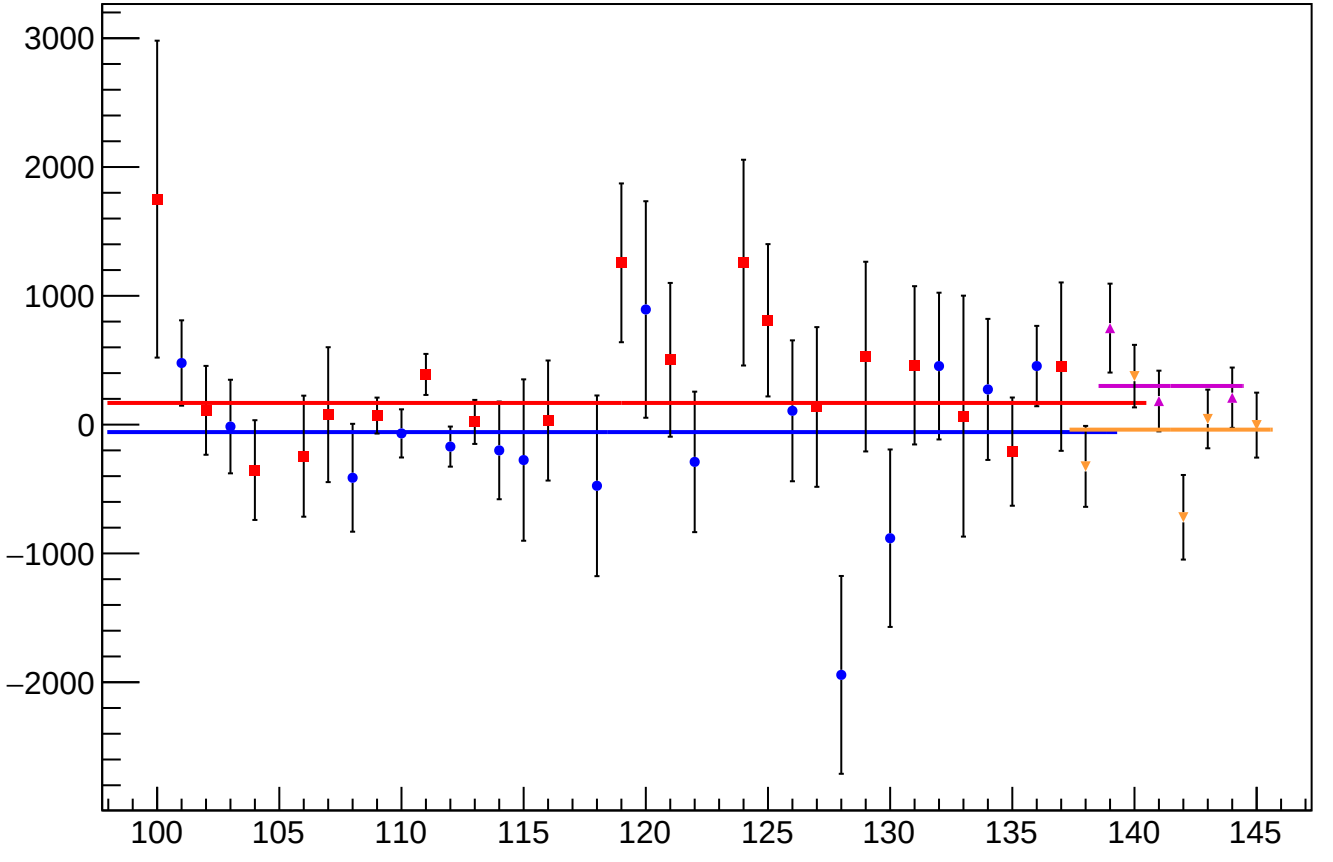
Left In: 237.495+/-0.105 χ^2/NDF:139412.1/2

+ sign 189.784+/-0.046 χ^2/NDF: 4751633.5/20

All: 173.472+/-0.031 χ^2/NDF: 10911300.8/42

- sign 159.576+/-0.043 χ^2/NDF: 5928456.5/21

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

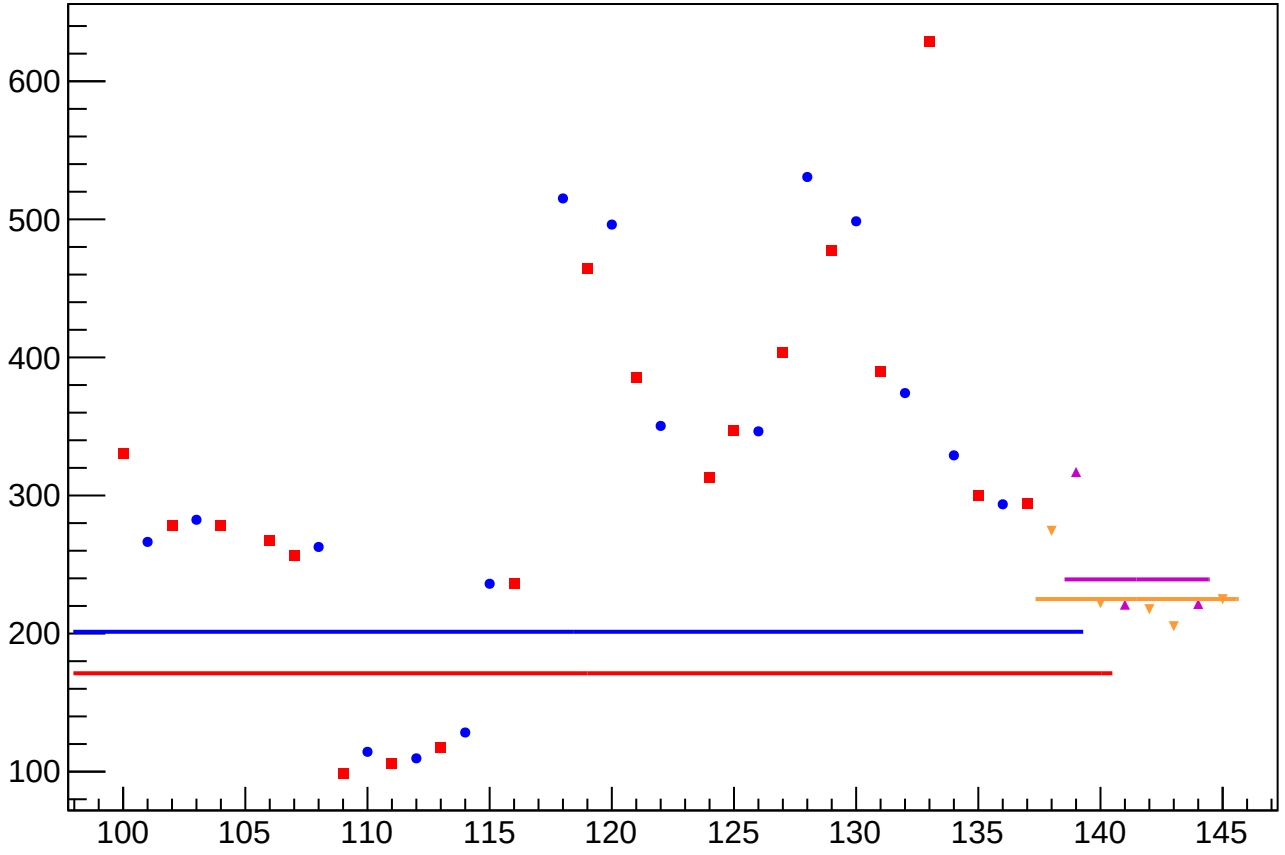
Left In: 300.203+/-149.674 χ^2/NDF:2.1/2

+ sign -51.290+/-70.042 χ^2/NDF: 25.6/20

All: 77.523+/-48.327 χ^2/NDF: 50.3/42

- sign 194.563+/-66.765 χ^2/NDF: 18.2/21

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

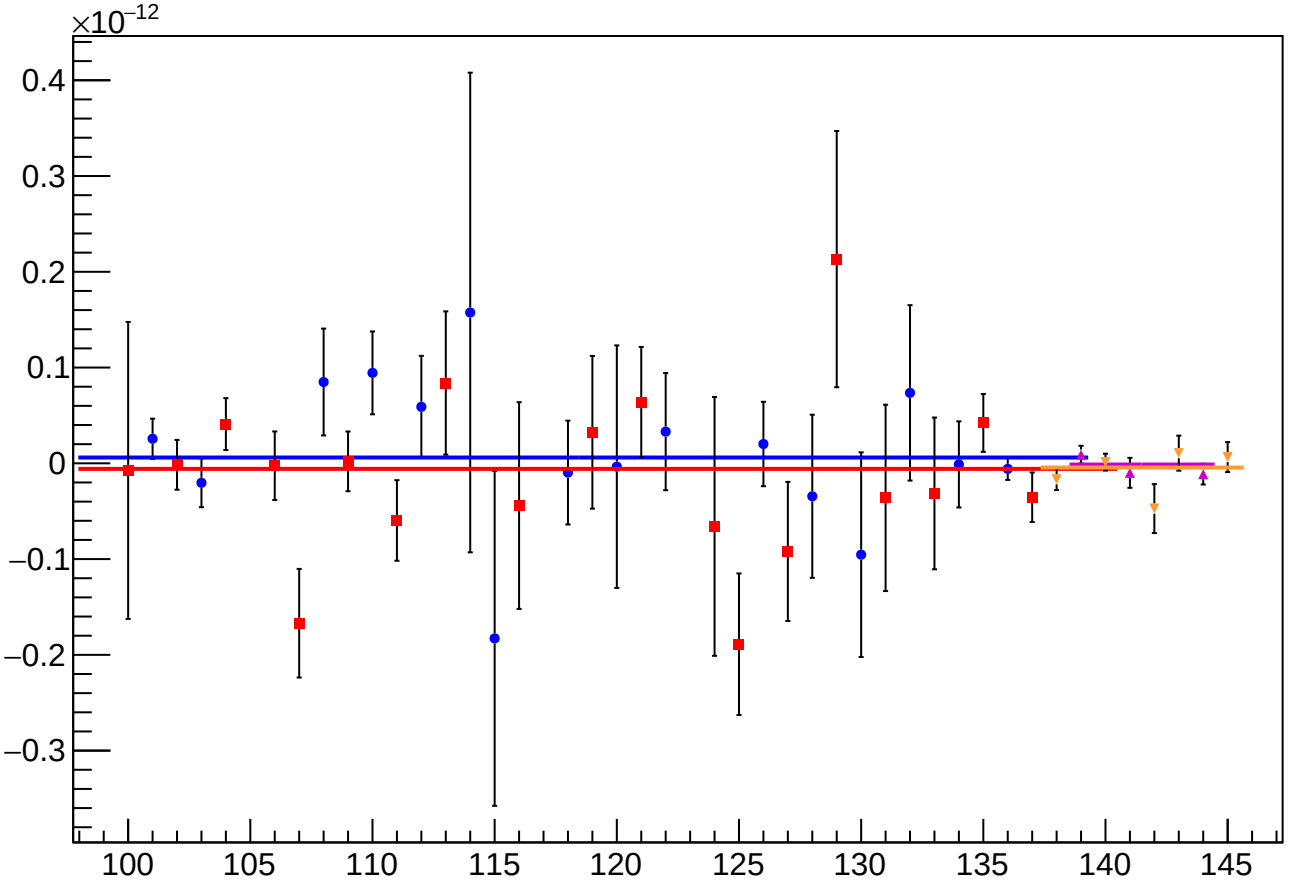
Left In: 239.232+/-0.106 χ^2/NDF:125194.7/2

+ sign 209.603+/-0.050 χ^2/NDF: 3690032.9/20

All: 196.596+/-0.034 χ^2/NDF: 8469899.6/42

- sign 184.778+/-0.047 χ^2/NDF: 4648233.4/21

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

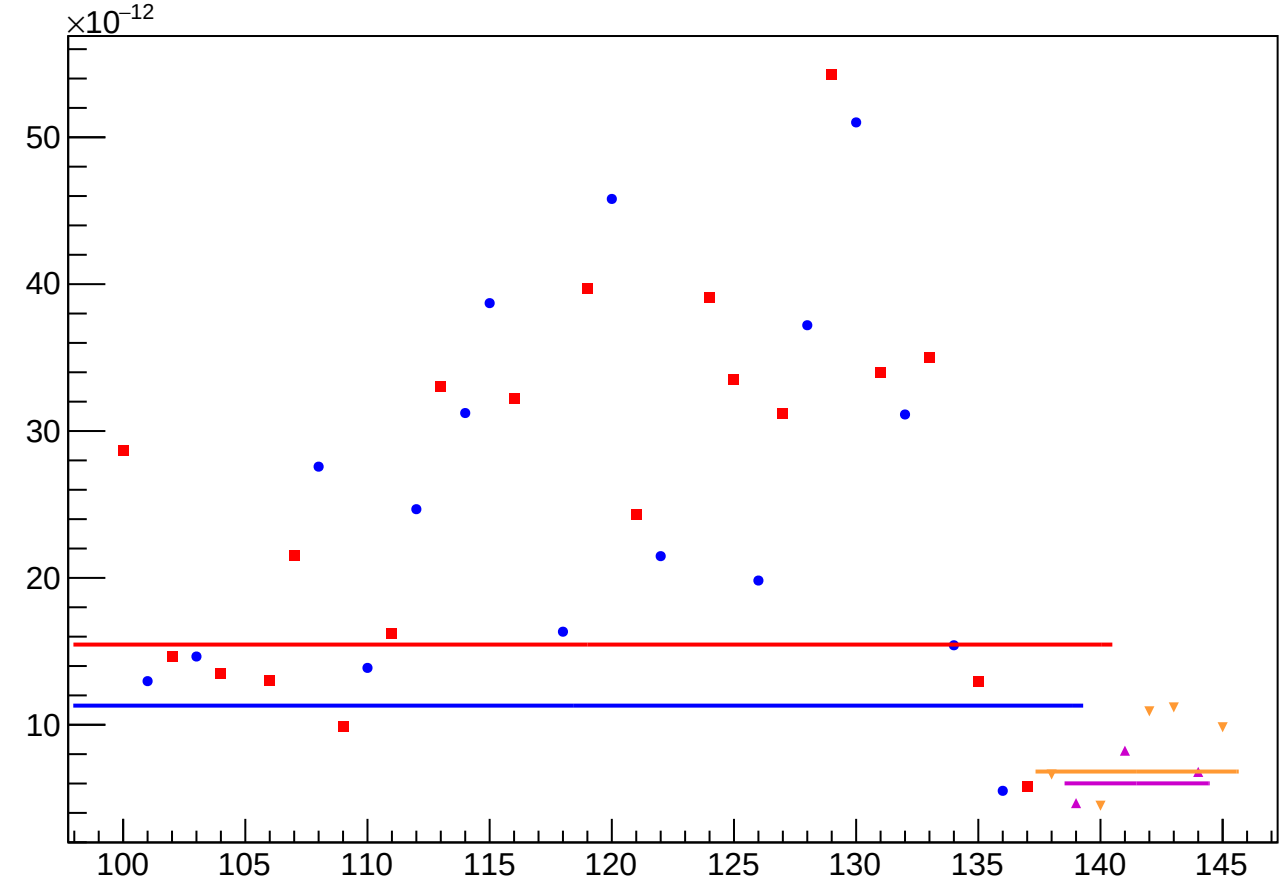
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/20

All: -0.000+/-0.000 χ^2/NDF: 53.6/42

- sign -0.000+/-0.000 χ^2/NDF: 33.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:380035.1/4

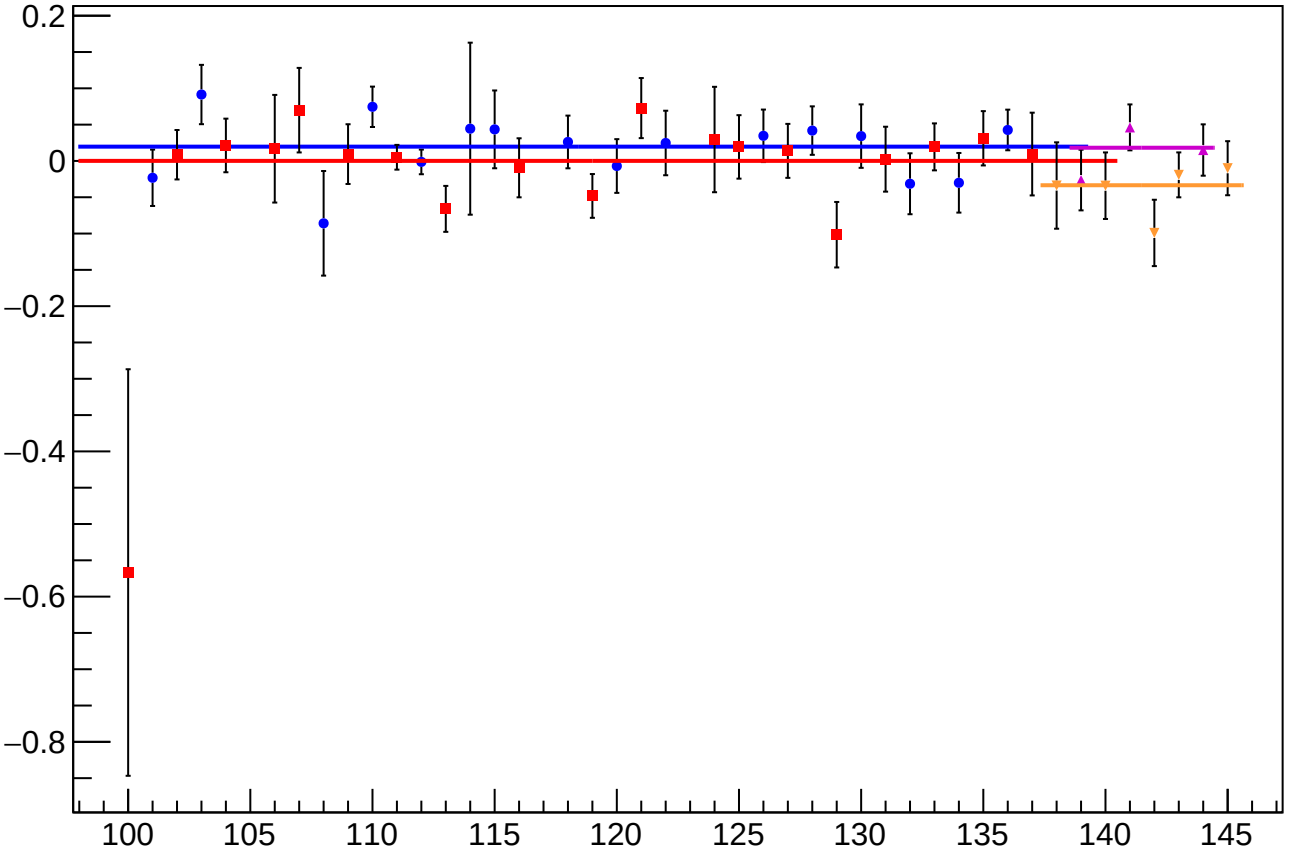
Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:93117.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 2562750.7/20

All: 0.000+/-0.000 χ^2/NDF: 5335706.6/42

- sign 0.000+/-0.000 χ^2/NDF: 2767472.8/21



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

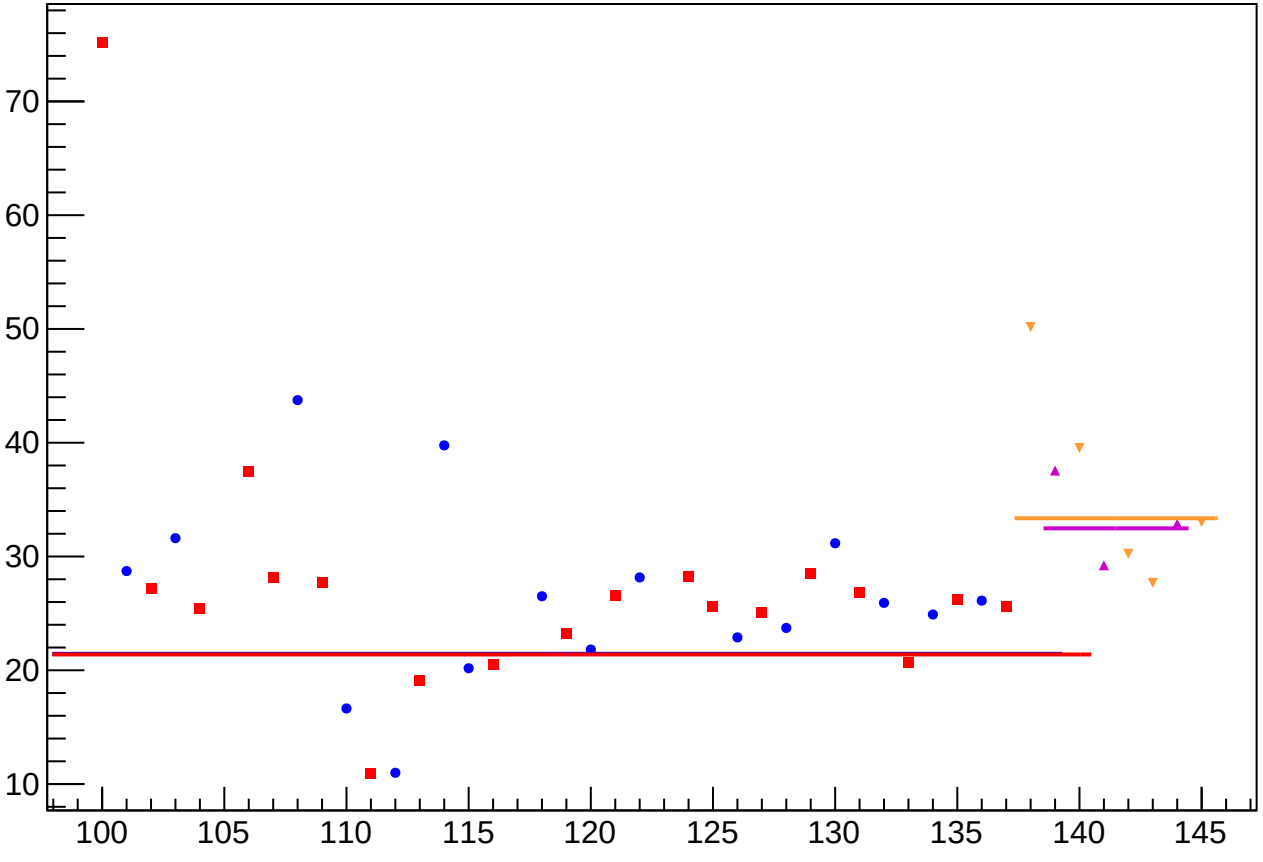
Left In: 0.018+/-0.021 χ^2/NDF:1.9/2

+ sign 0.010+/-0.008 χ^2/NDF: 26.6/20

All: 0.006+/-0.006 χ^2/NDF: 52.5/42

- sign 0.003+/-0.008 χ^2/NDF: 25.4/21

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

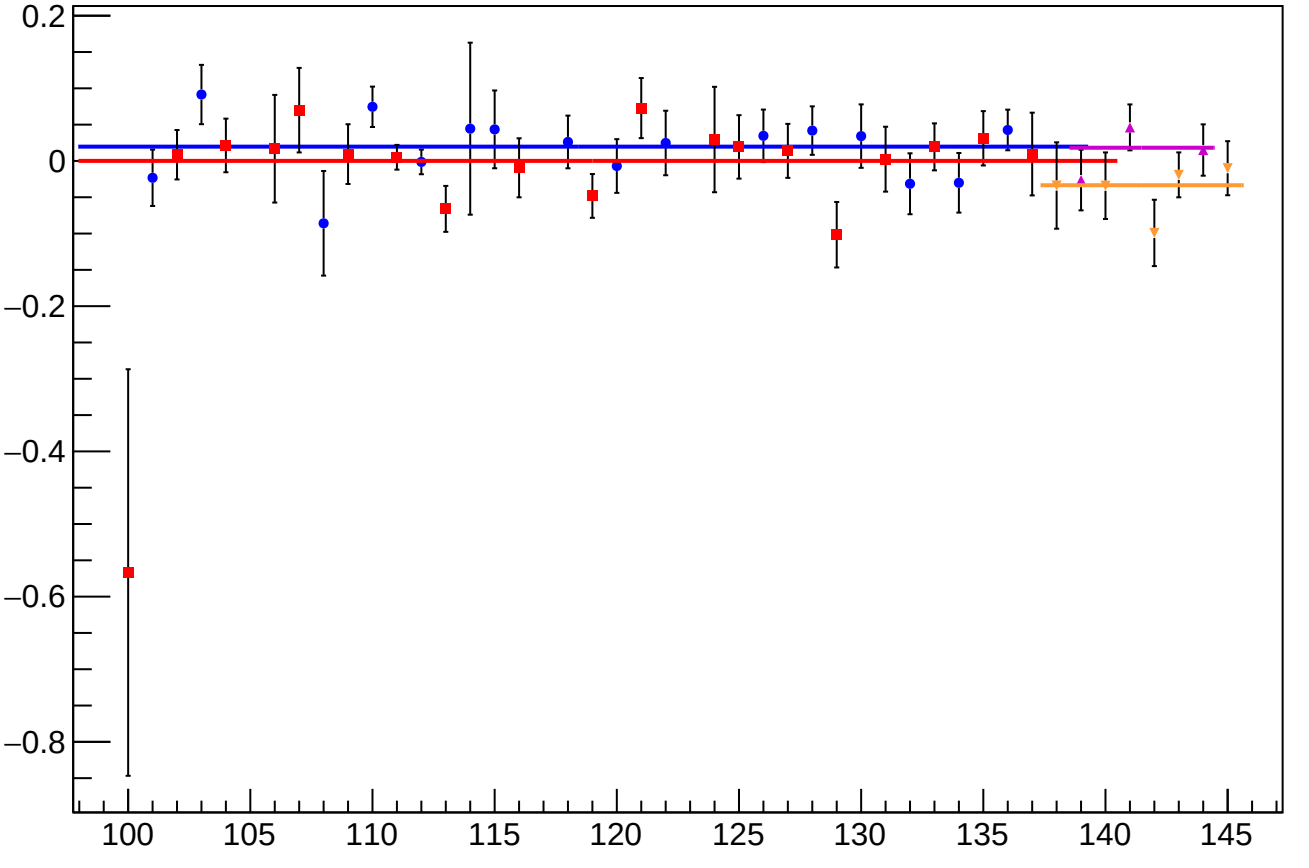
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 32.474+/-0.015 χ^2/NDF:50952.8/2

+ sign 23.647+/-0.006 χ^2/NDF: 2509695.9/20

All: 23.331+/-0.004 χ^2/NDF: 4376798.5/42

- sign 23.014+/-0.006 χ^2/NDF: 1860611.2/21



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

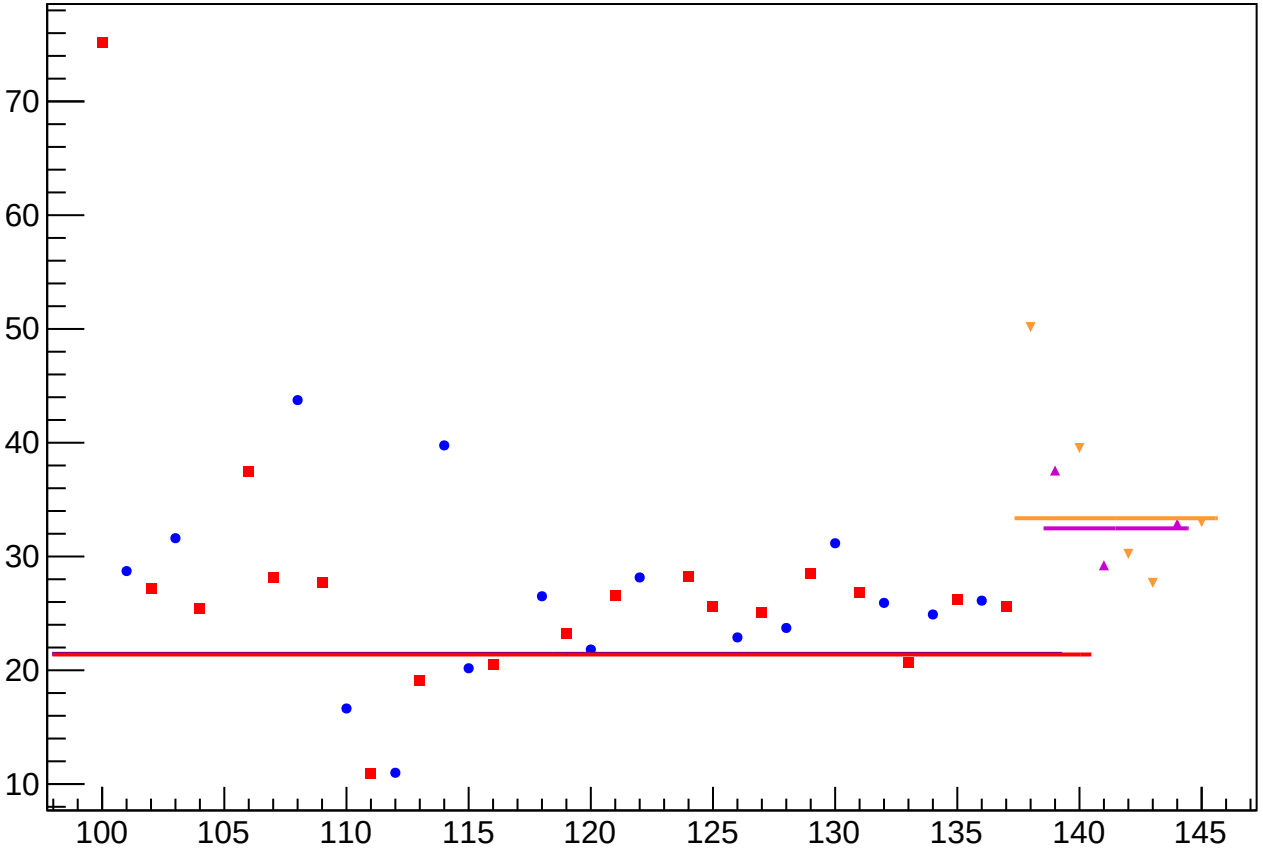
Left In: 0.018+/-0.021 χ^2/NDF:1.9/2

+ sign 0.010+/-0.008 χ^2/NDF: 26.6/20

All: 0.006+/-0.006 χ^2/NDF: 52.5/42

- sign 0.003+/-0.008 χ^2/NDF: 25.4/21

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

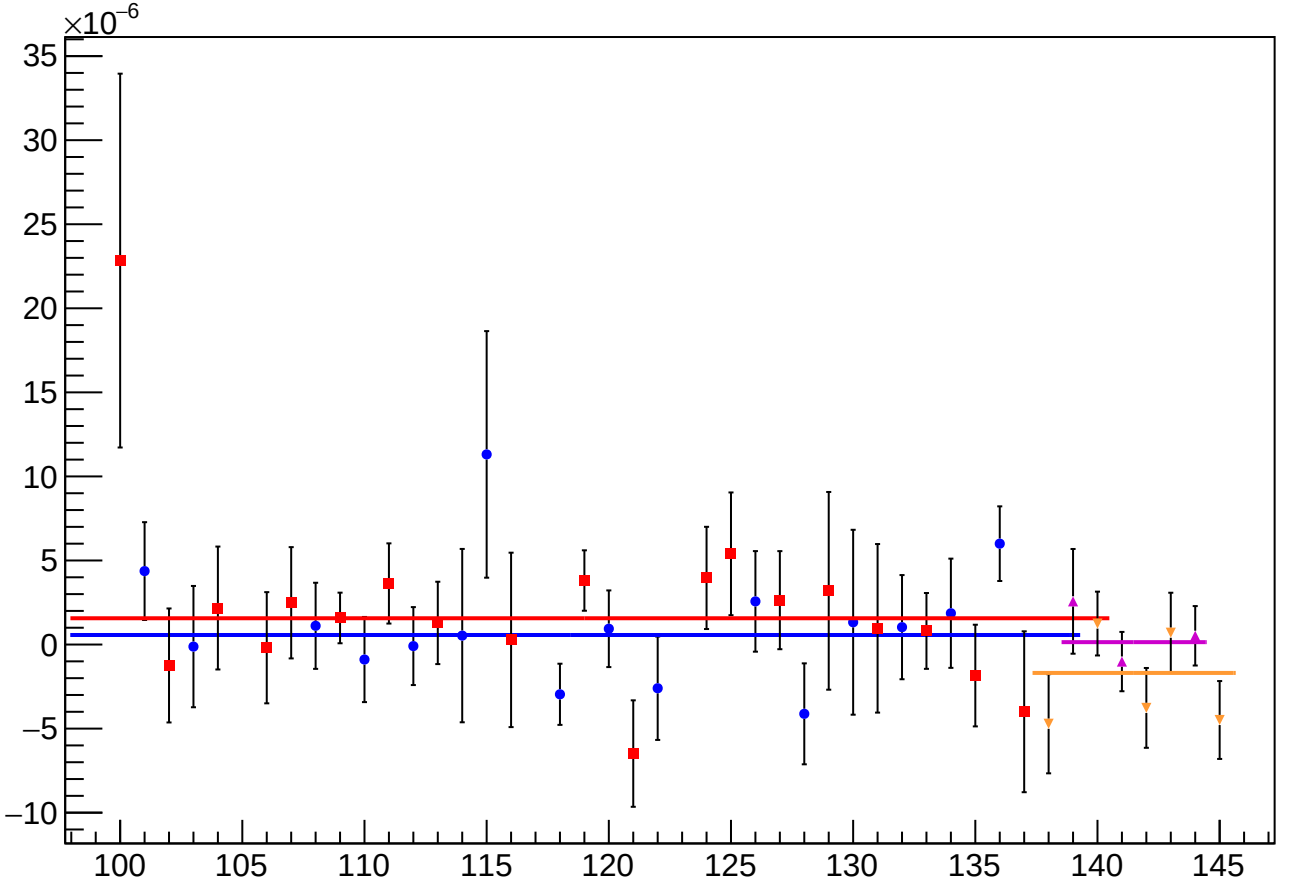
Left In: 32.474+/-0.015 χ^2/NDF:50952.8/2

+ sign 23.647+/-0.006 χ^2/NDF: 2509695.9/20

All: 23.331+/-0.004 χ^2/NDF: 4376798.5/42

- sign 23.014+/-0.006 χ^2/NDF: 1860611.2/21

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

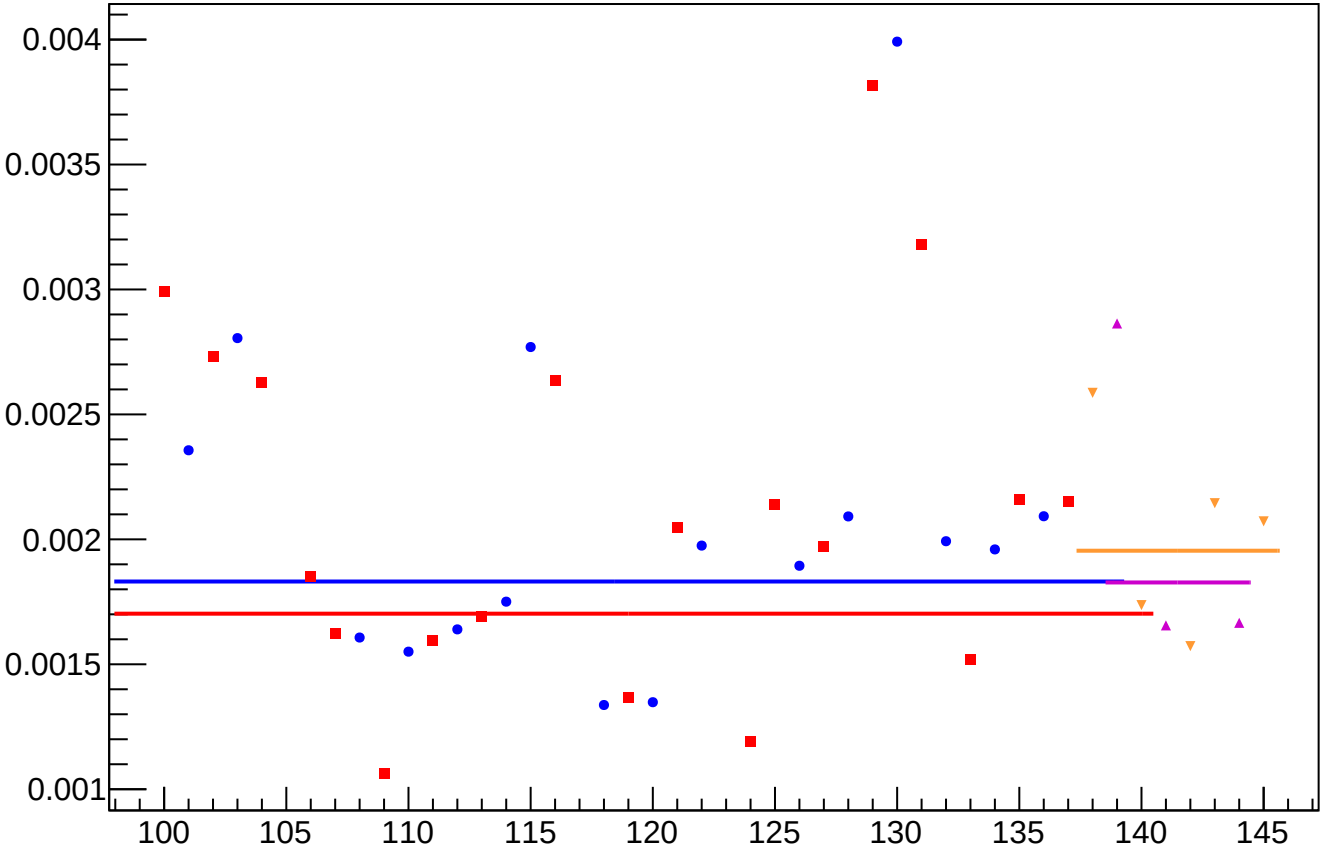
Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/20

All: 0.000+/-0.000 χ^2/NDF: 51.5/42

- sign 0.000+/-0.000 χ^2/NDF: 20.5/21

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

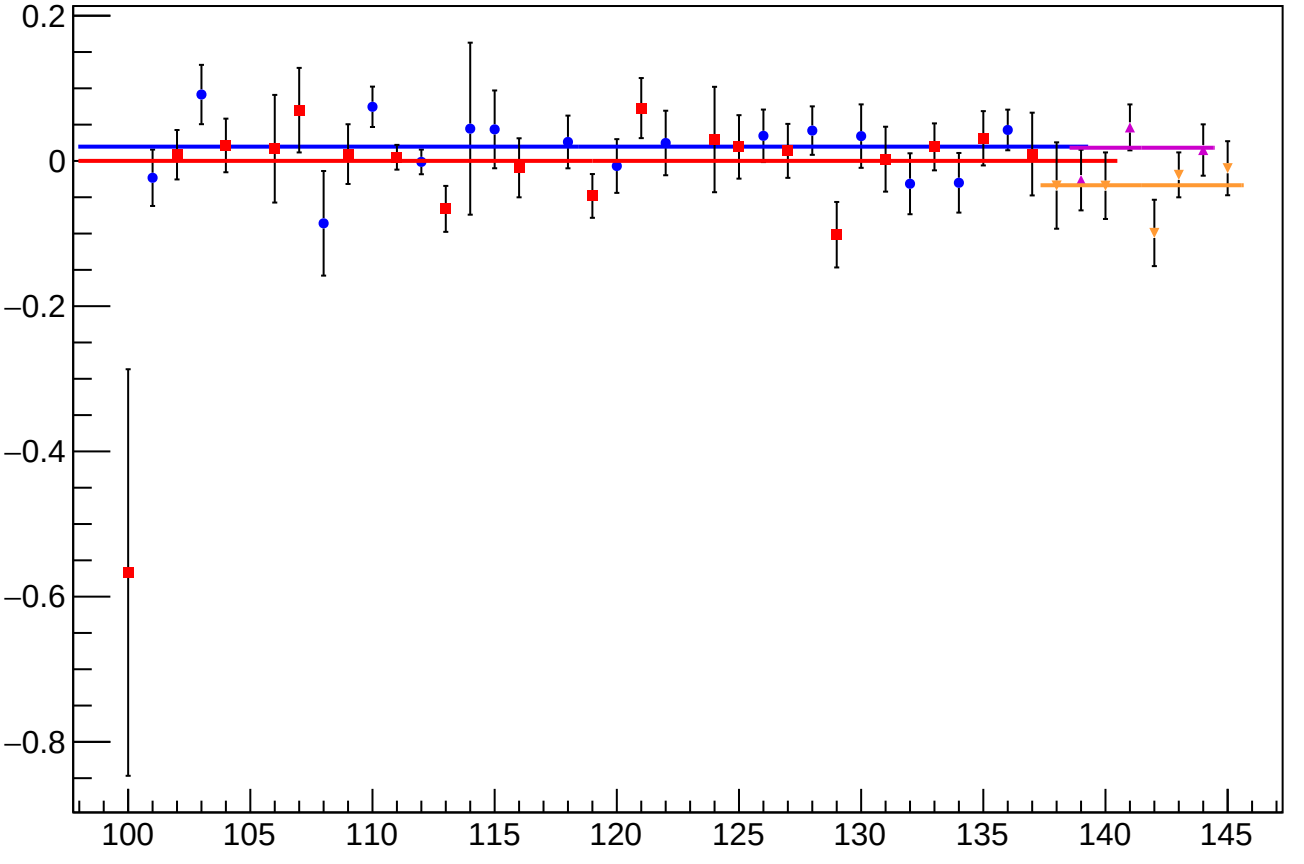
Left In: 0.002+/-0.000 χ^2/NDF:257159.0/2

+ sign 0.002+/-0.000 χ^2/NDF: 1107486.1/20

All: 0.002+/-0.000 χ^2/NDF: 2916685.5/42

- sign 0.002+/-0.000 χ^2/NDF: 1752770.2/21

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

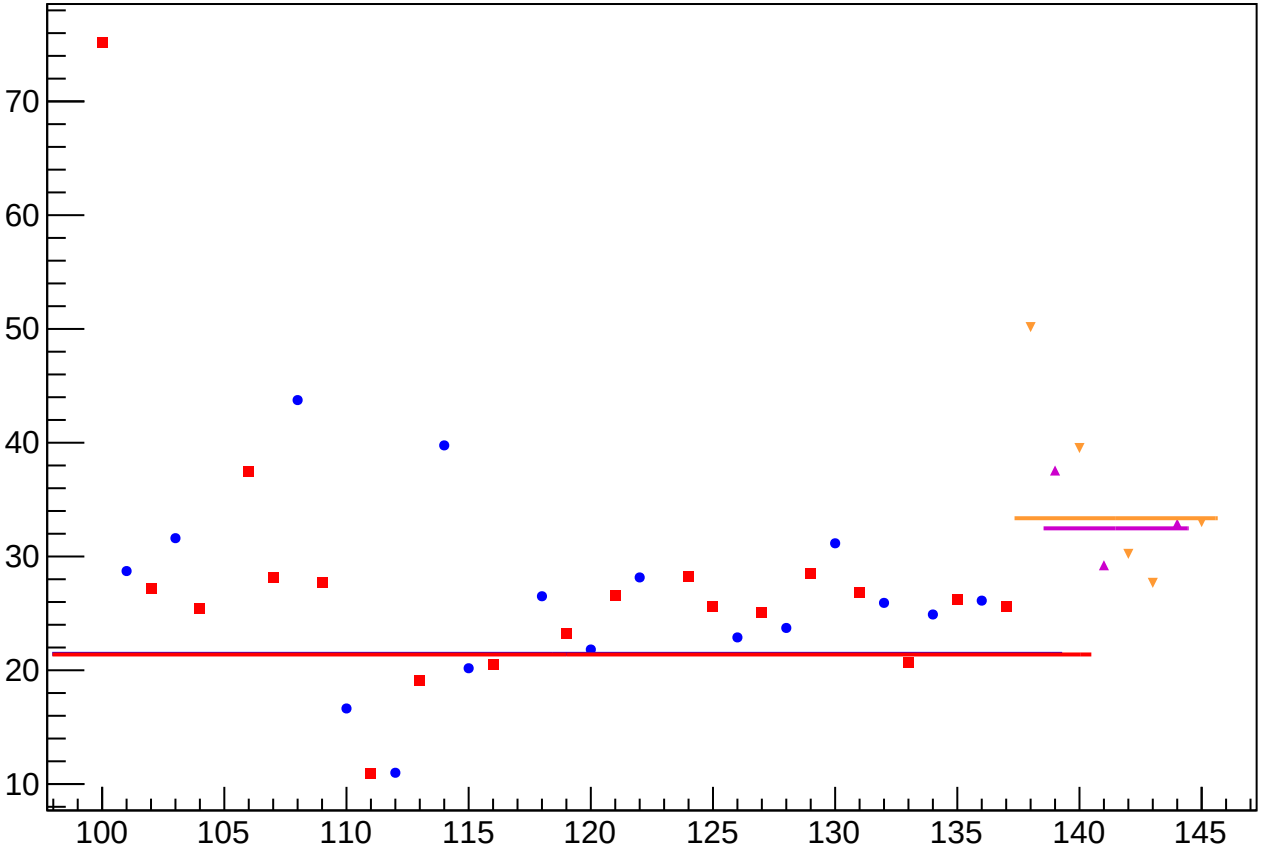
Left In: 0.018+/-0.021 χ^2/NDF:1.9/2

+ sign 0.010+/-0.008 χ^2/NDF: 26.6/20

All: 0.006+/-0.006 χ^2/NDF: 52.5/42

- sign 0.003+/-0.008 χ^2/NDF: 25.4/21

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

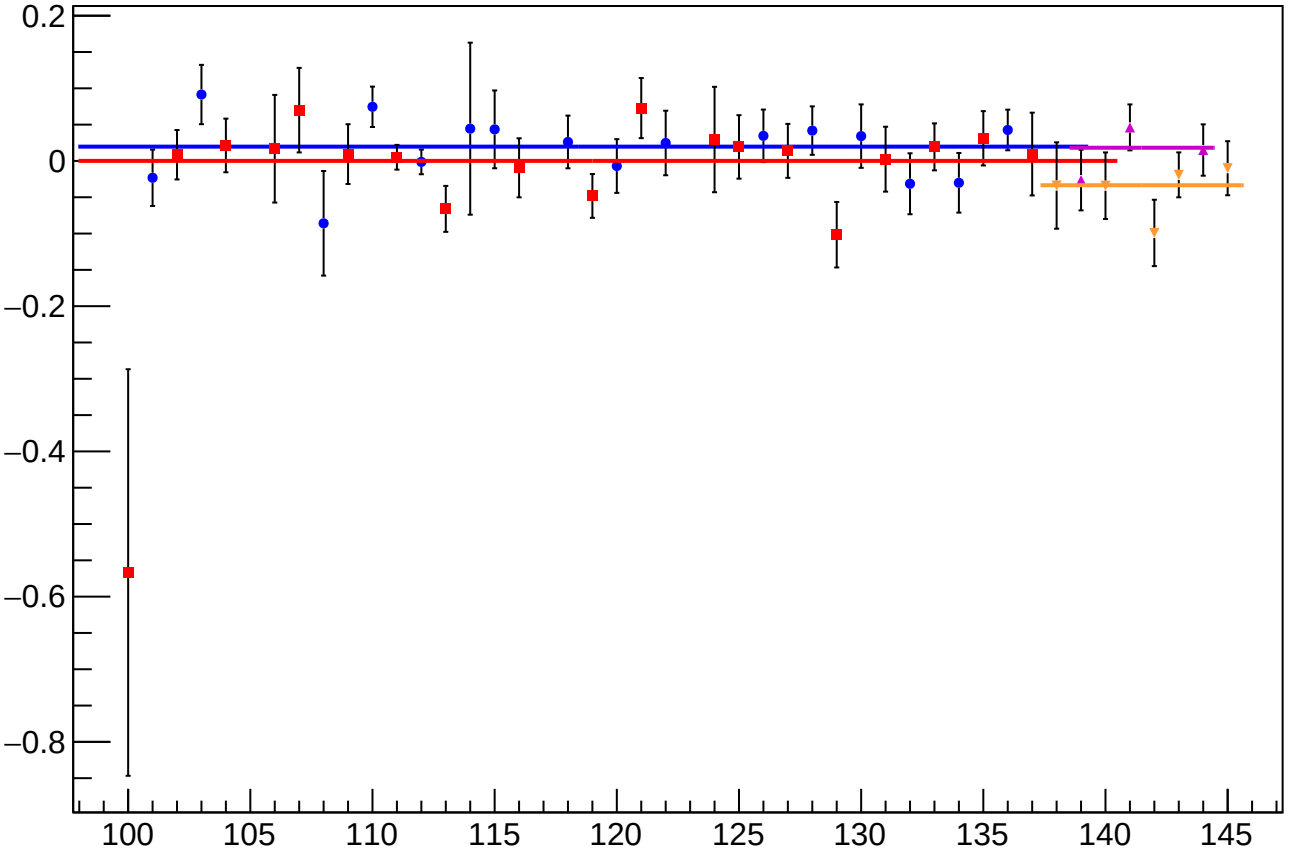
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 32.474+/-0.015 χ^2/NDF:50950.2/2

+ sign 23.646+/-0.006 χ^2/NDF: 2509946.1/20

All: 23.330+/-0.004 χ^2/NDF: 4377243.5/42

- sign 23.013+/-0.006 χ^2/NDF: 1860805.6/21



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.033+/-0.018 χ^2/NDF:2.7/4

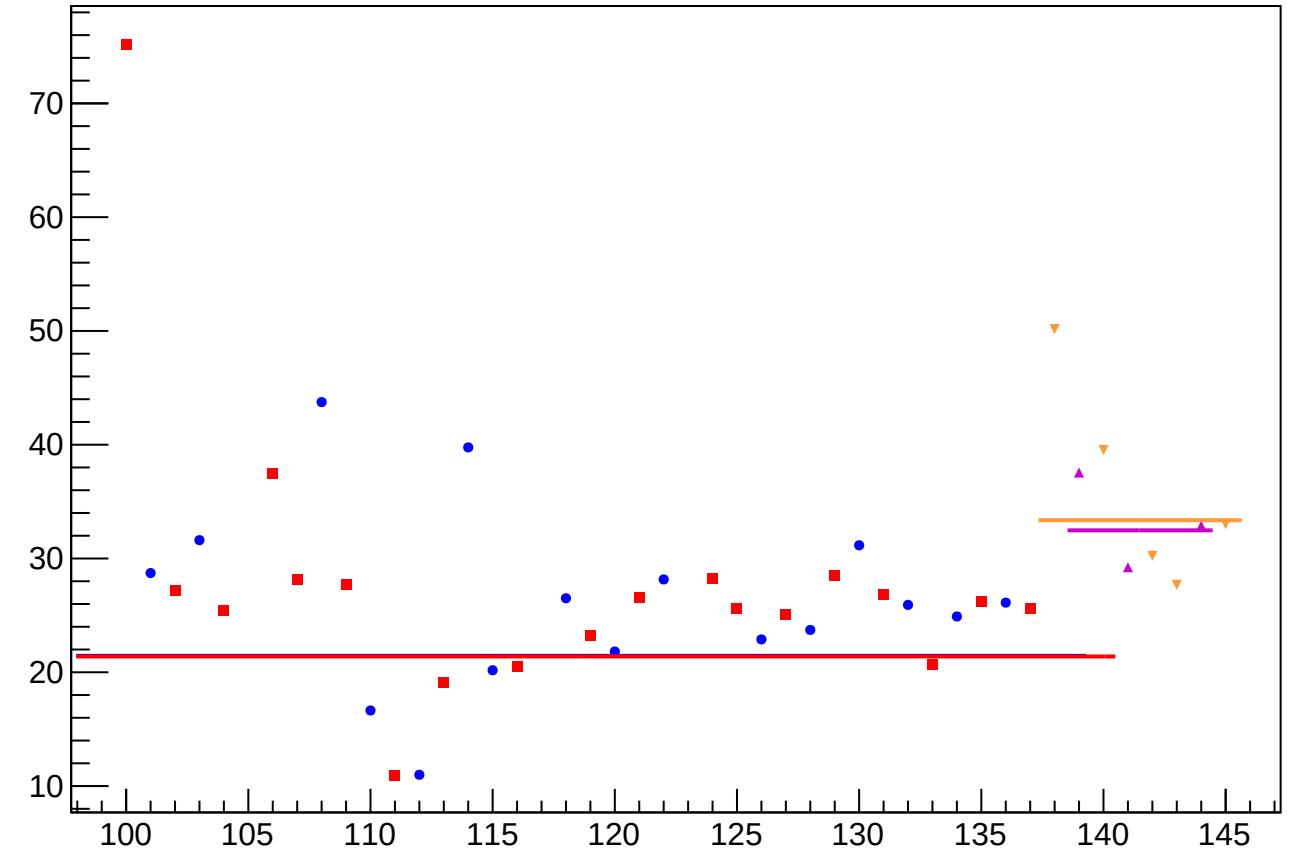
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.018+/-0.021 χ^2/NDF:1.9/2

+ sign 0.010+/-0.008 χ^2/NDF: 26.6/20

All: 0.006+/-0.006 χ^2/NDF: 52.5/42

- sign 0.003+/-0.008 χ^2/NDF: 25.4/21



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272832.9/4

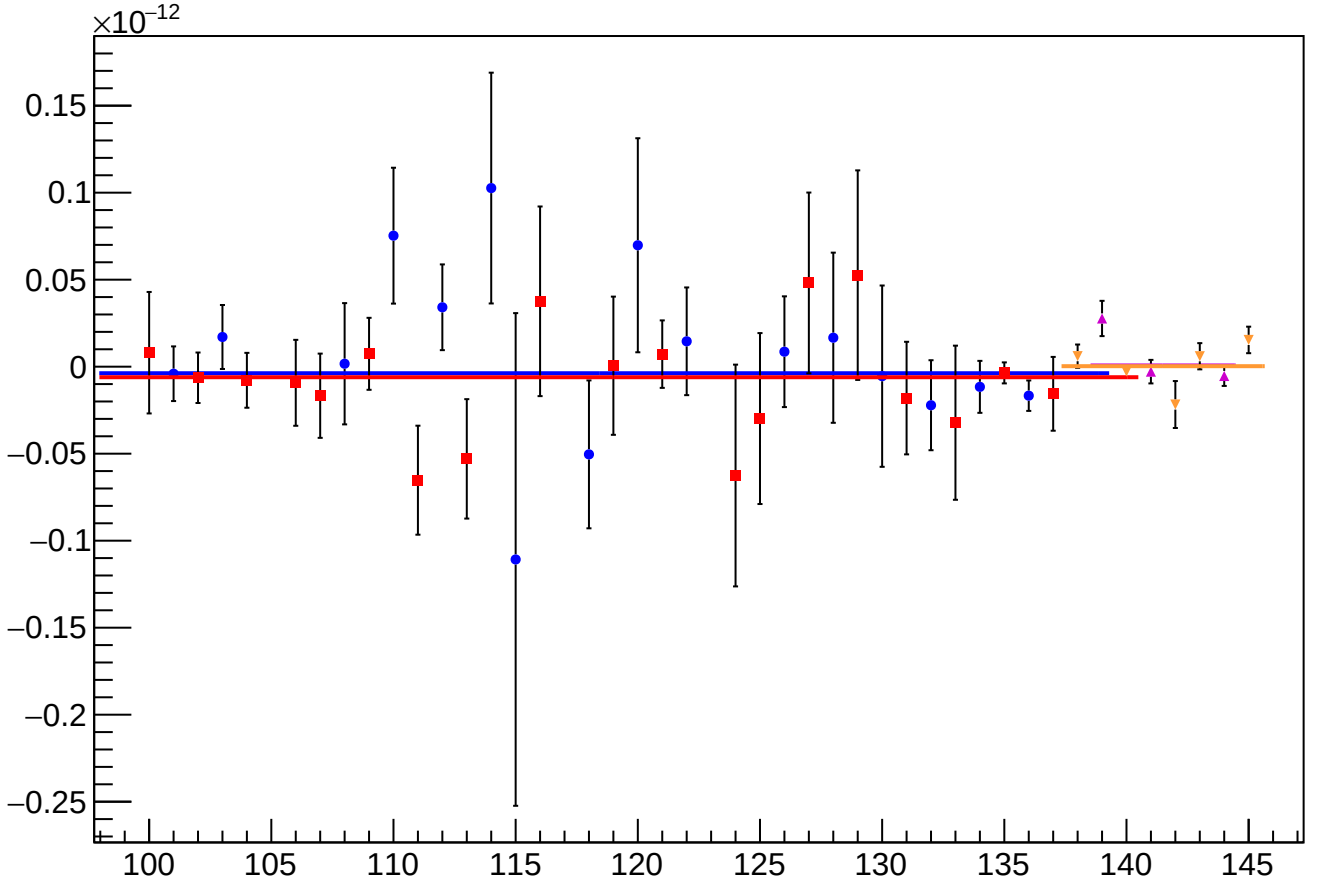
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 32.474+/-0.015 χ^2/NDF:50950.2/2

+ sign 23.646+/-0.006 χ^2/NDF: 2509946.1/20

All: 23.330+/-0.004 χ^2/NDF: 4377243.5/42

- sign 23.013+/-0.006 χ^2/NDF: 1860805.6/21



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

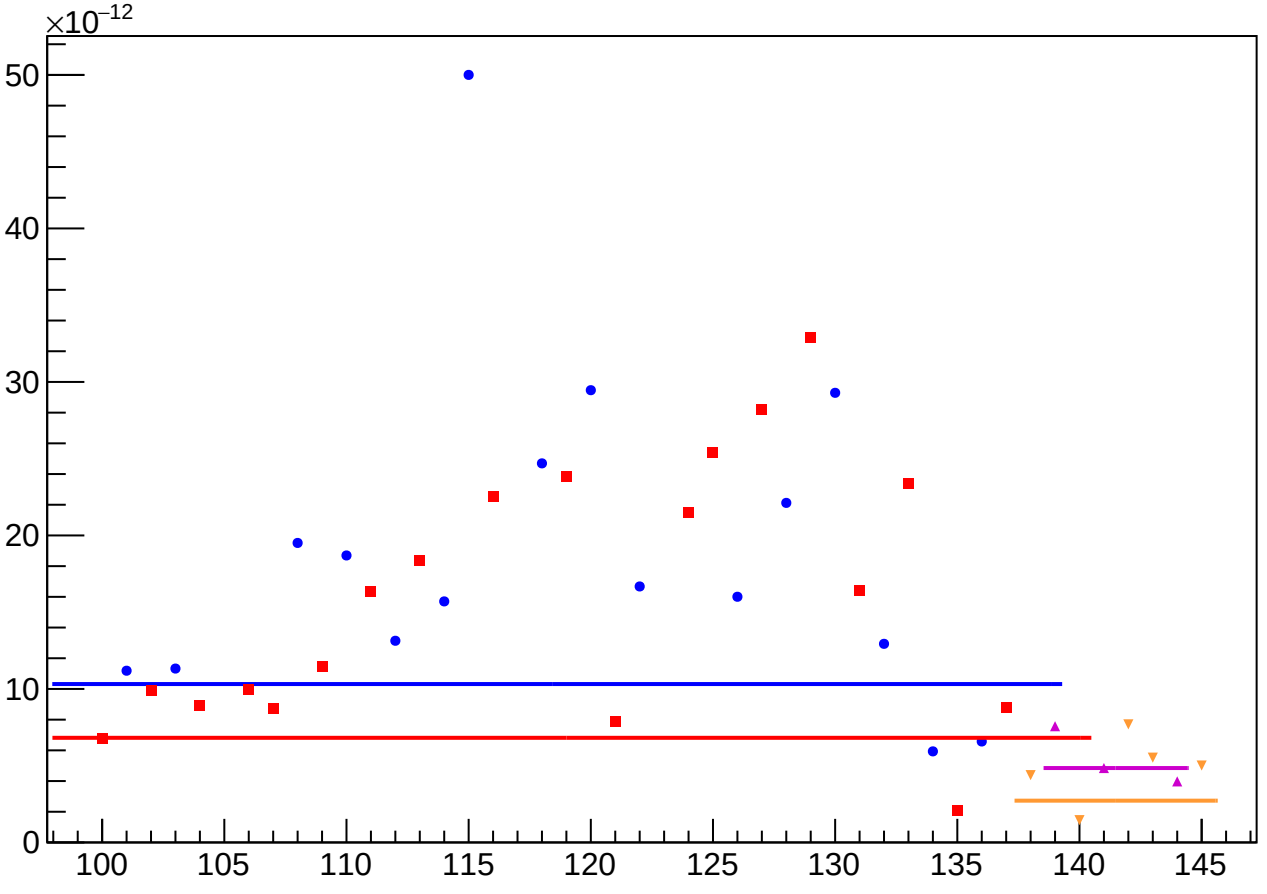
Left In: 0.000+/-0.000 χ^2/NDF:8.5/2

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/20

All: -0.000+/-0.000 χ^2/NDF: 48.1/42

- sign -0.000+/-0.000 χ^2/NDF: 21.1/21

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

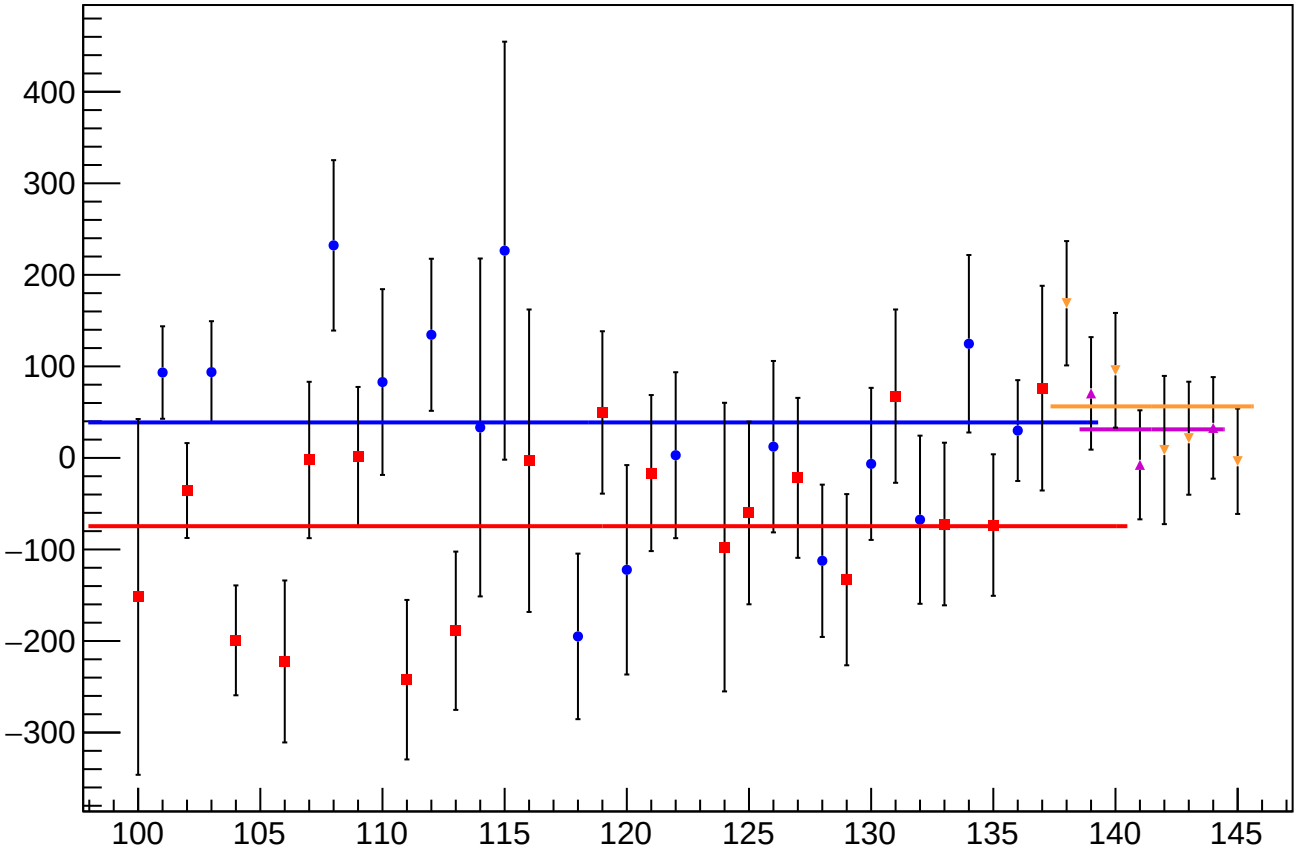
Left In: 0.000+/-0.000 χ^2/NDF:190640.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 6428380.8/20

All: 0.000+/-0.000 χ^2/NDF: 11390605.8/42

- sign 0.000+/-0.000 χ^2/NDF: 4434883.5/21

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

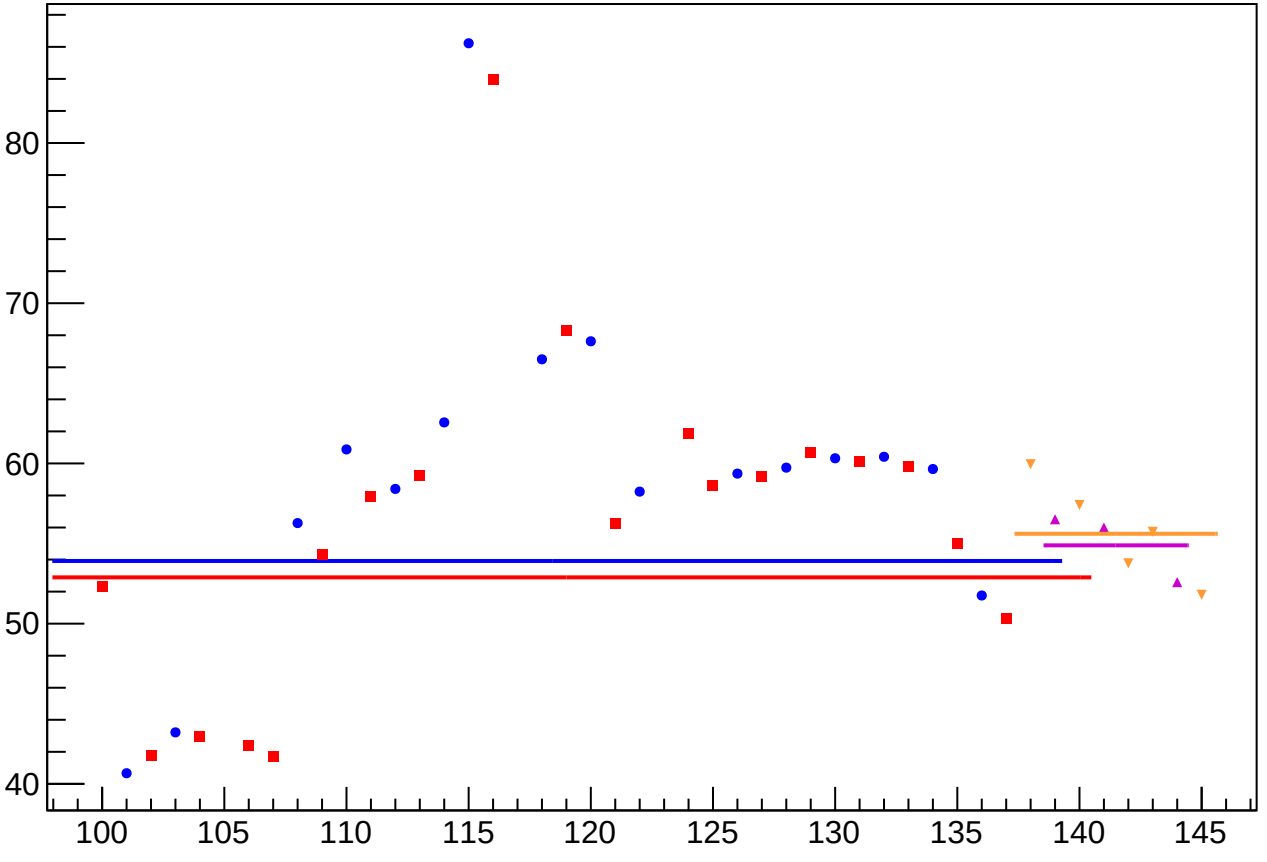
Left In: 31.210+/-33.873 χ^2/NDF:0.8/2

+ sign 44.581+/-16.694 χ^2/NDF: 28.4/20

All: -0.432+/-11.944 χ^2/NDF: 73.9/42

- sign -47.634+/-17.095 χ^2/NDF: 30.6/21

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

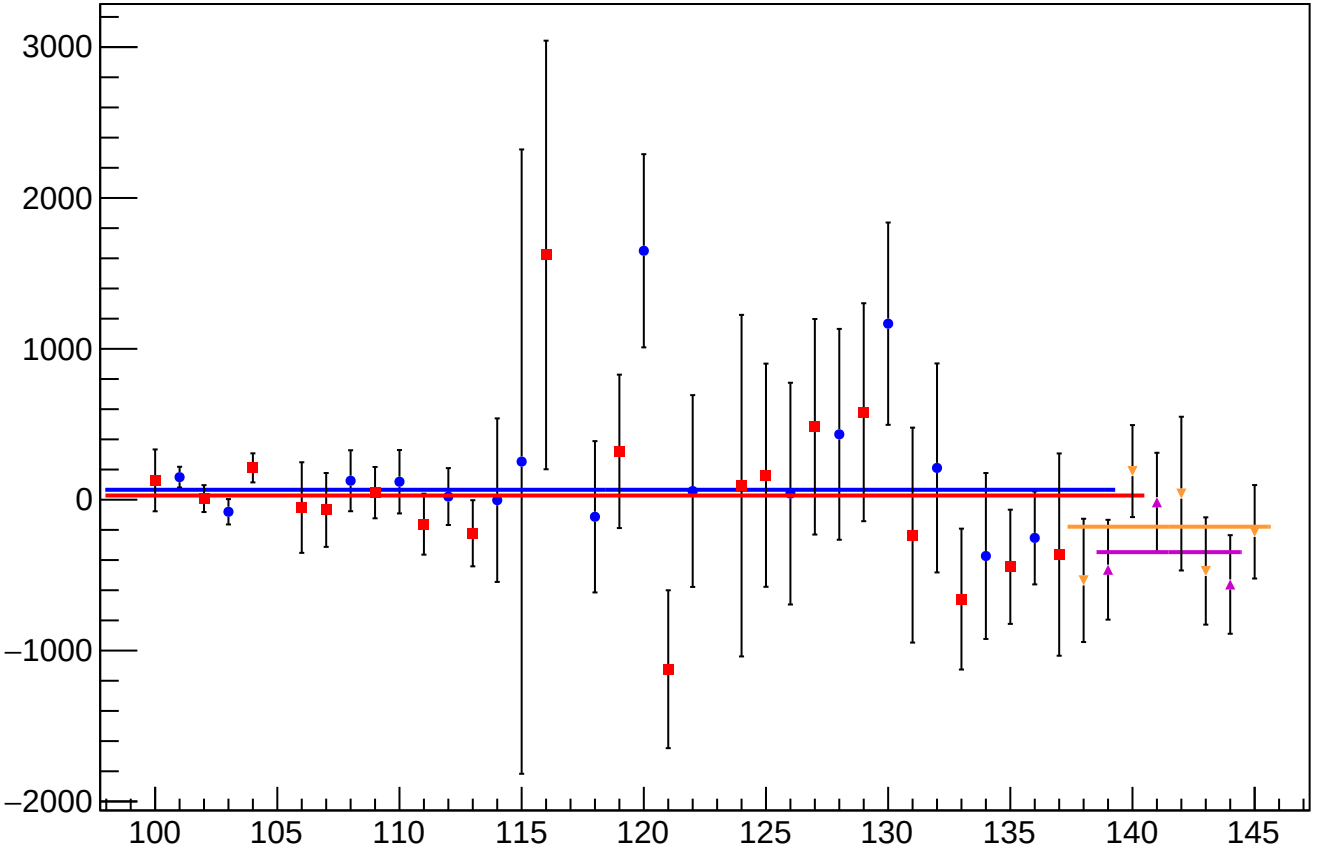
Left In: 54.887+/-0.024 χ^2/NDF:5523.2/2

+ sign 54.474+/-0.012 χ^2/NDF: 417467.8/20

All: 53.949+/-0.008 χ^2/NDF: 857465.3/42

- sign 53.398+/-0.012 χ^2/NDF: 435937.4/21

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

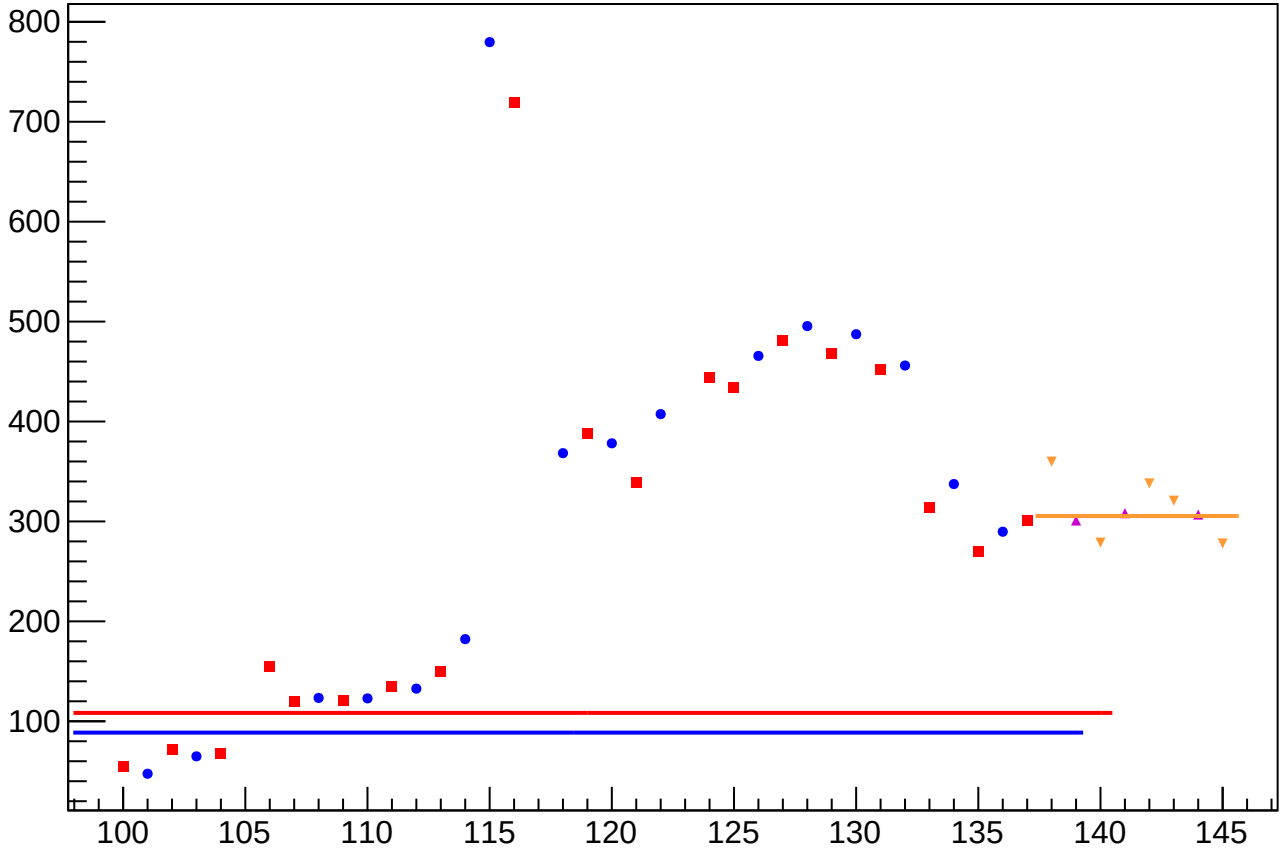
Left In: -347.558+/-189.675 χ^2/NDF:1.6/2

\+ sign 46.873+/-44.640 χ^2/NDF: 20.9/20

All: 26.889+/-32.880 χ^2/NDF: 44.6/42

\- sign 3.192+/-48.612 χ^2/NDF: 23.2/21

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

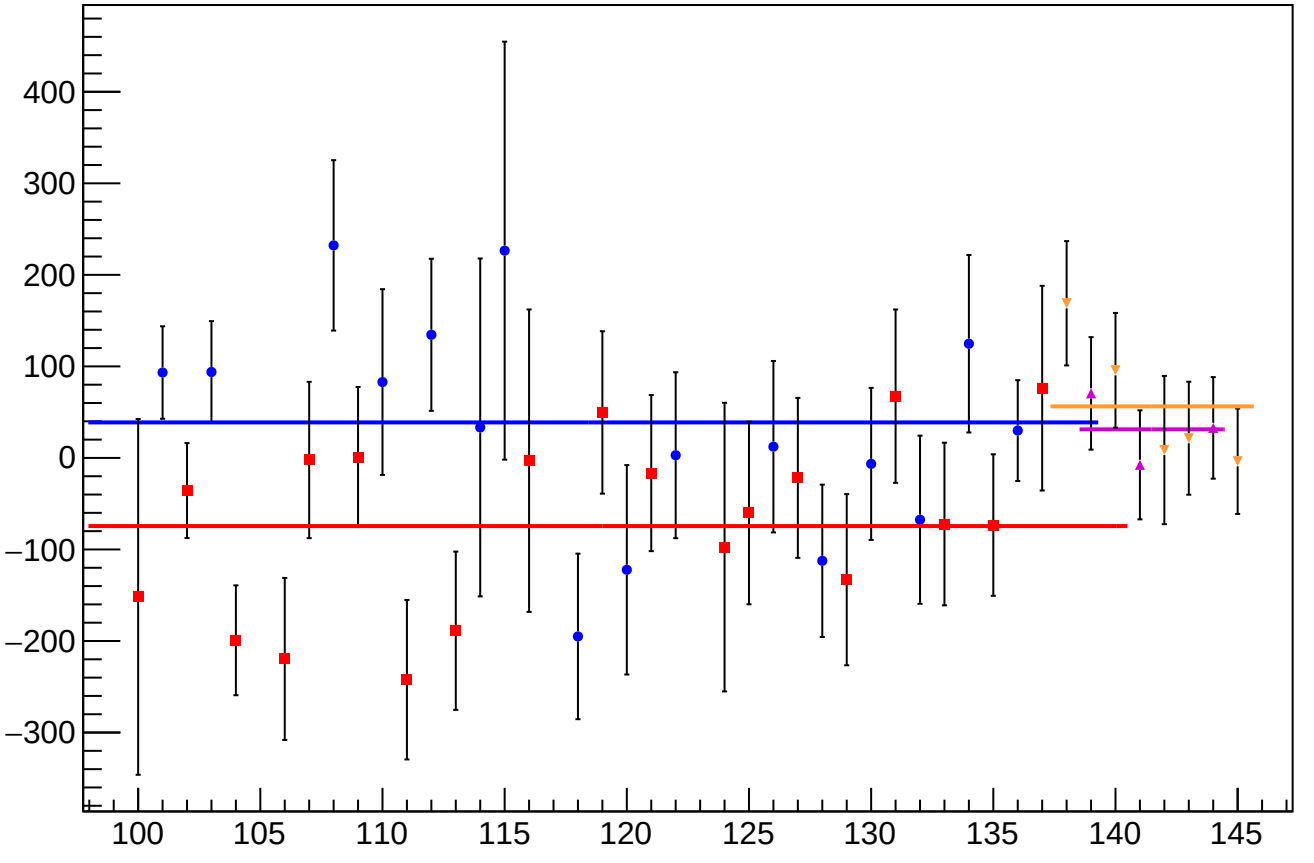
Left In: 305.392+/-0.134 χ^2/NDF:560.9/2

+ sign 105.473+/-0.032 χ^2/NDF: 10101302.9/20

All: 112.725+/-0.023 χ^2/NDF: 17595988.6/42

- sign 121.325+/-0.034 χ^2/NDF: 7379293.6/21

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

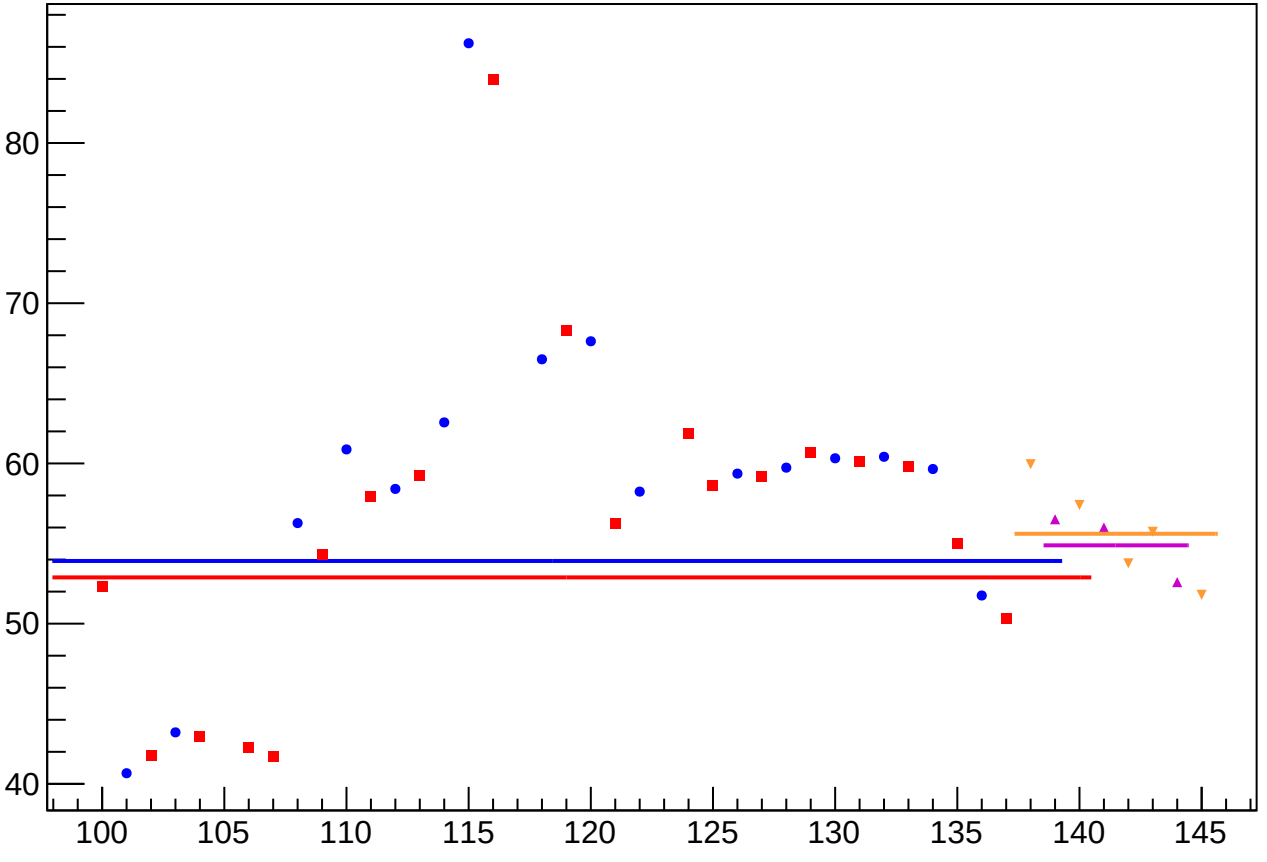
Left In: 31.206+/-33.873 χ^2/NDF:0.8/2

+ sign 44.591+/-16.694 χ^2/NDF: 28.4/20

All: -0.375+/-11.944 χ^2/NDF: 73.7/42

- sign -47.531+/-17.096 χ^2/NDF: 30.4/21

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

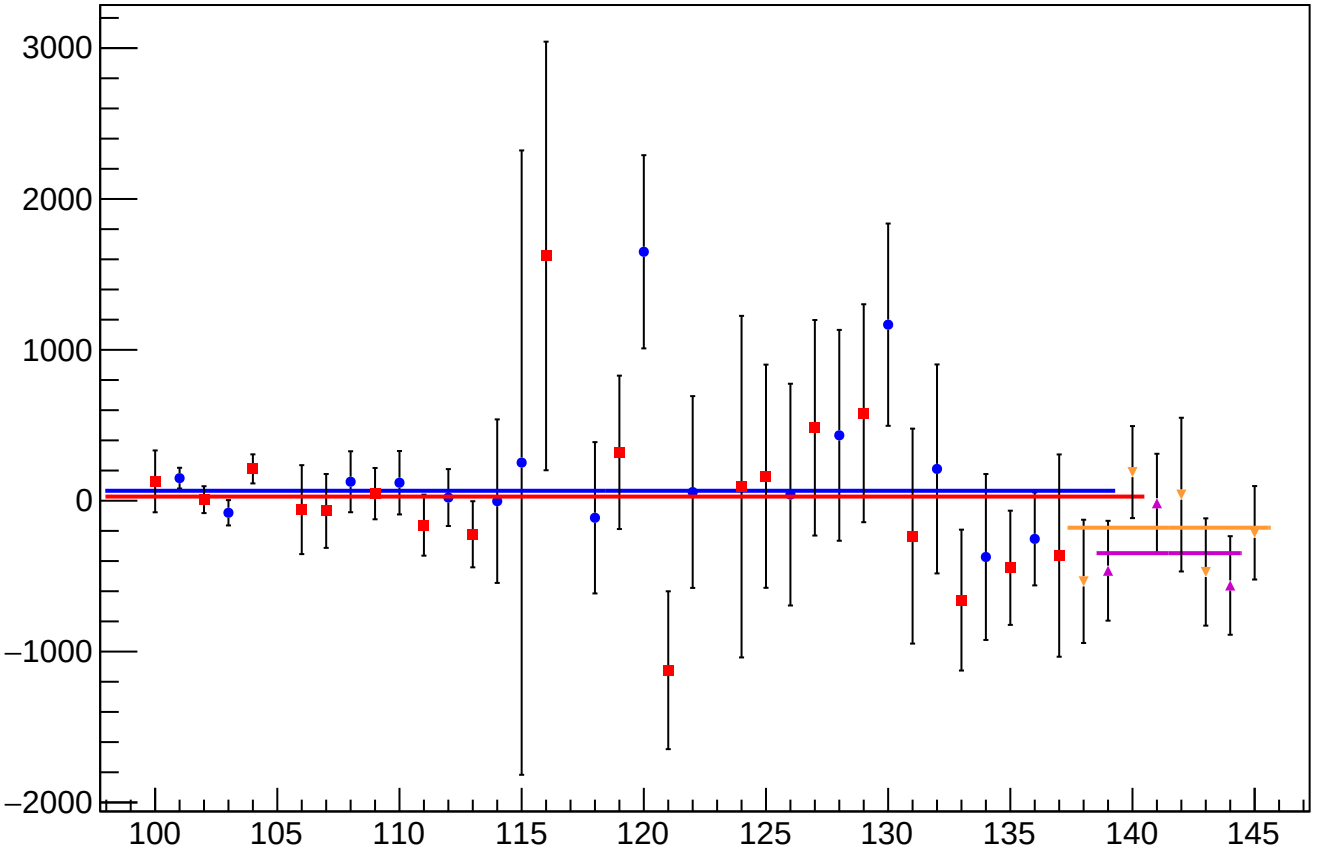
Left In: 54.887+/-0.024 χ^2/NDF:5523.2/2

+ sign 54.474+/-0.012 χ^2/NDF: 417467.2/20

All: 53.948+/-0.008 χ^2/NDF: 857795.7/42

- sign 53.396+/-0.012 χ^2/NDF: 436256.4/21

asym_sam_15_avg_cor_correction_mean vs Slug



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

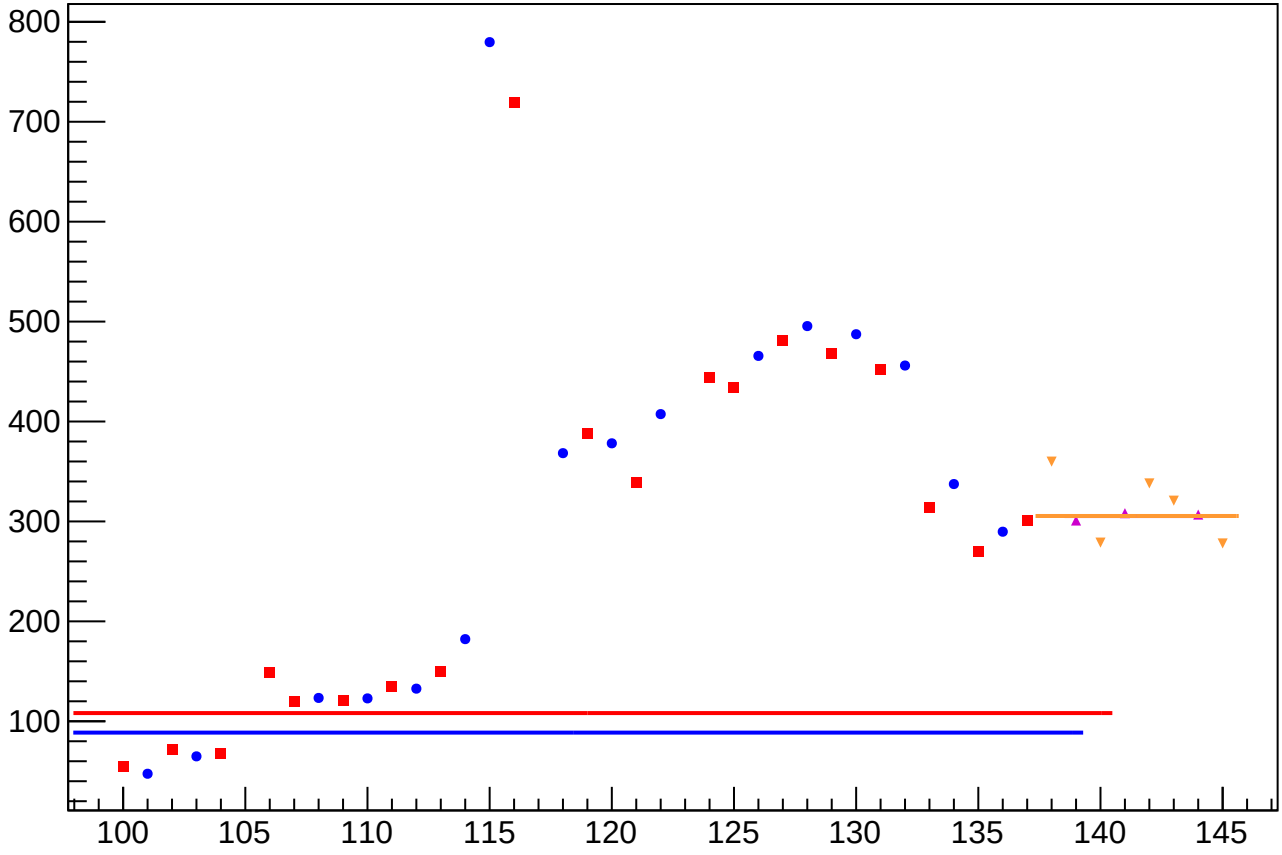
Left In: -347.556+/-189.675 χ^2/NDF:1.6/2

\+ sign 46.878+/-44.639 χ^2/NDF: 20.9/20

All: 26.703+/-32.867 χ^2/NDF: 44.6/42

\- sign 2.816+/-48.573 χ^2/NDF: 23.2/21

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

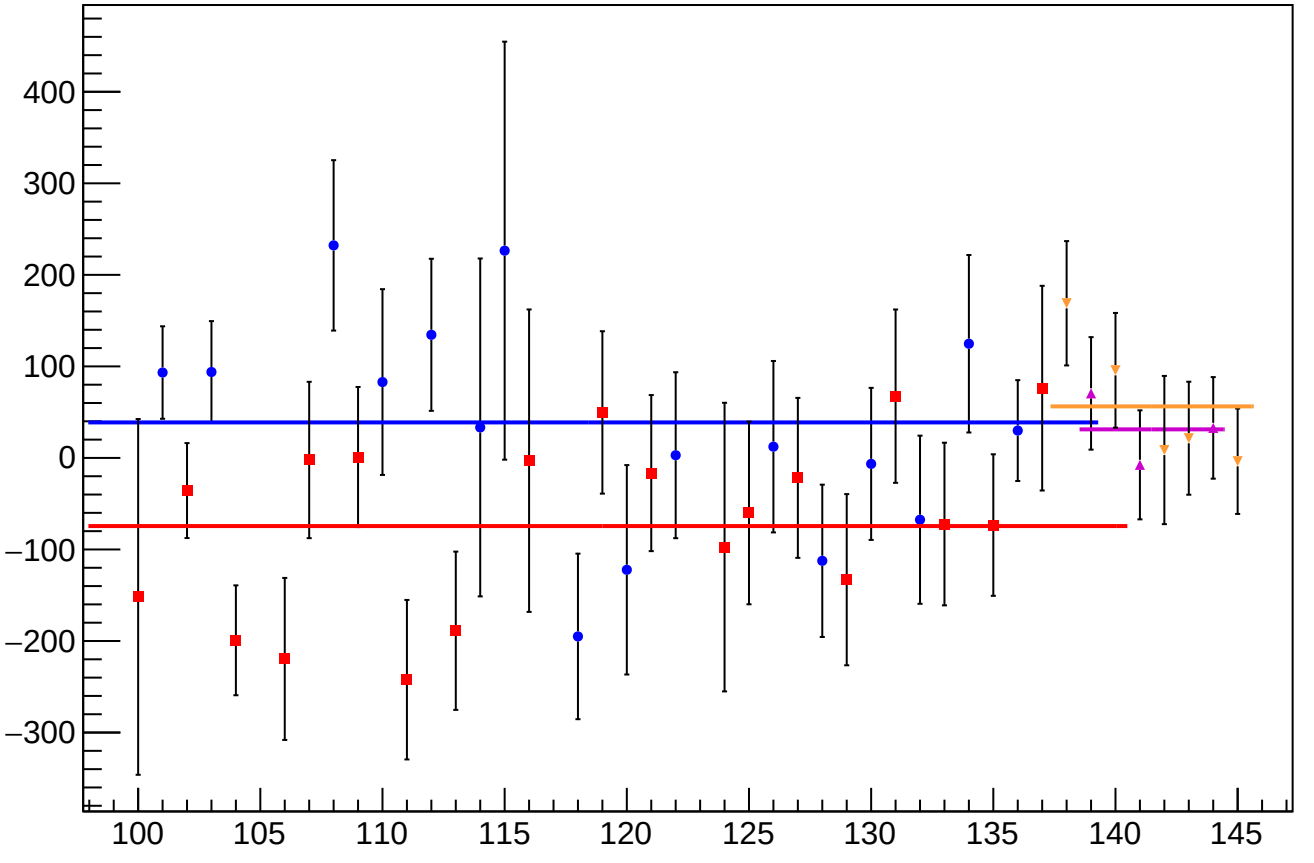
Left In: 305.392+/-0.134 χ^2/NDF:561.0/2

+ sign 105.470+/-0.032 χ^2/NDF: 10101472.2/20

All: 112.644+/-0.023 χ^2/NDF: 17589493.1/42

- sign 121.138+/-0.034 χ^2/NDF: 7375198.5/21

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

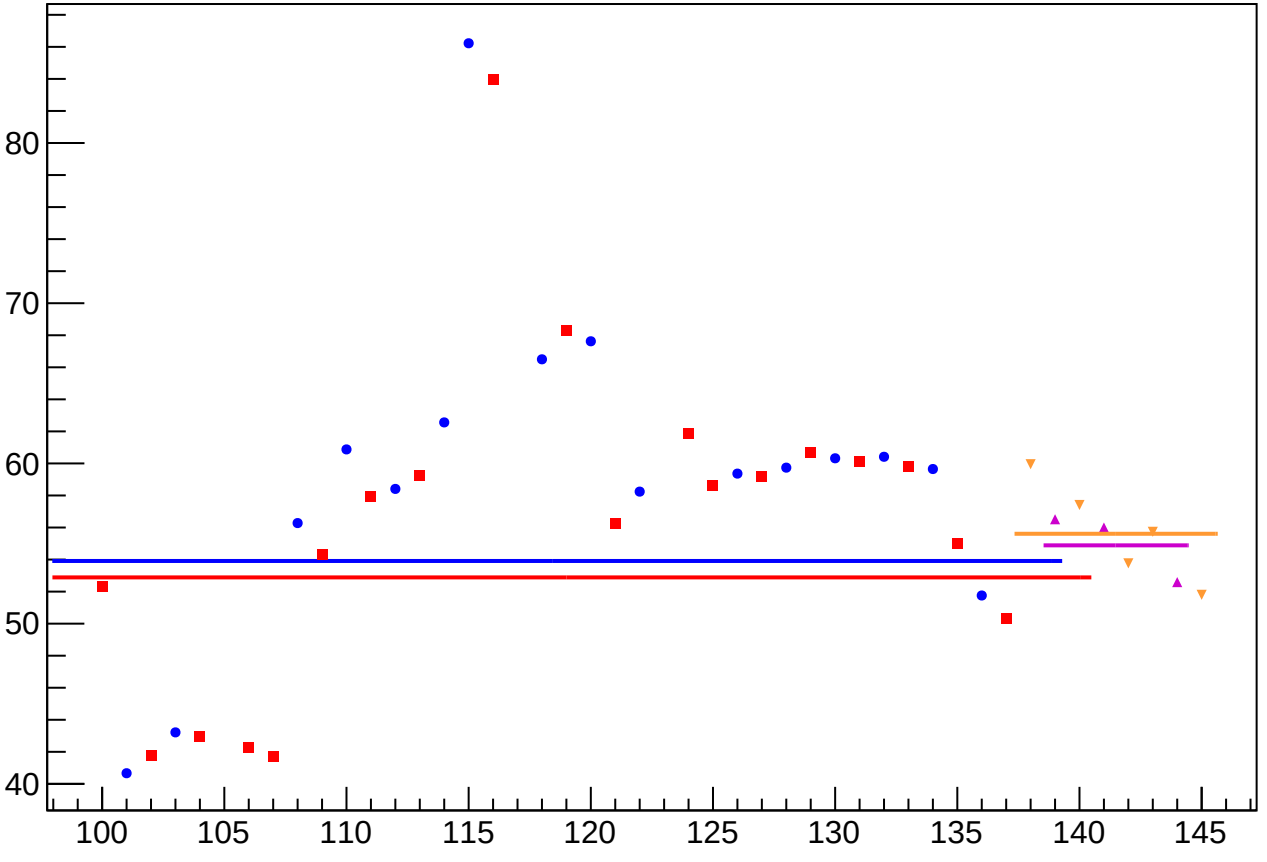
Left In: 31.206+/-33.873 χ^2/NDF:0.8/2

+ sign 44.591+/-16.694 χ^2/NDF: 28.4/20

All: -0.375+/-11.944 χ^2/NDF: 73.7/42

- sign -47.531+/-17.096 χ^2/NDF: 30.4/21

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

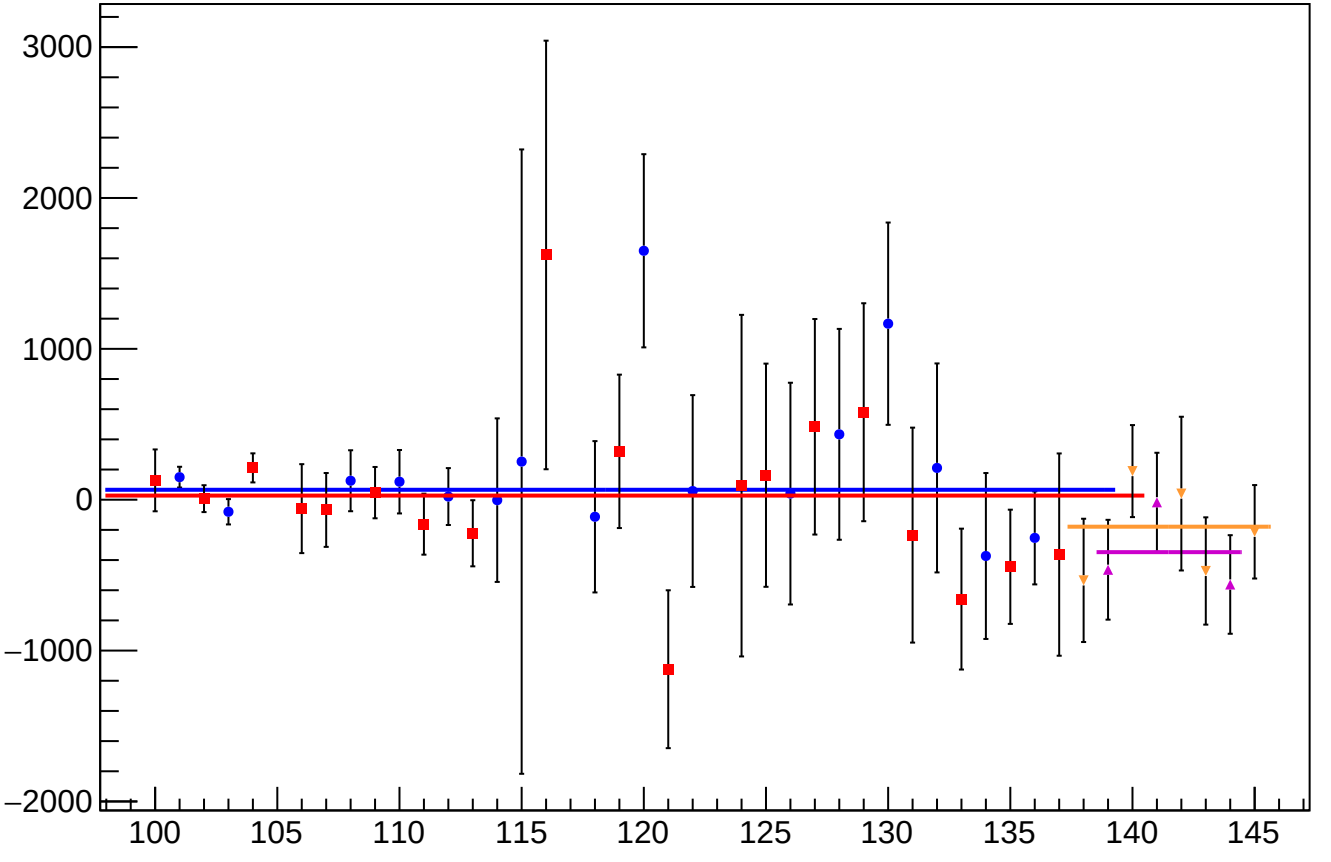
Left In: 54.887+/-0.024 χ^2/NDF:5523.2/2

+ sign 54.474+/-0.012 χ^2/NDF: 417467.2/20

All: 53.948+/-0.008 χ^2/NDF: 857795.7/42

- sign 53.396+/-0.012 χ^2/NDF: 436256.4/21

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -178.846+/-160.285 χ^2/NDF:3.1/4

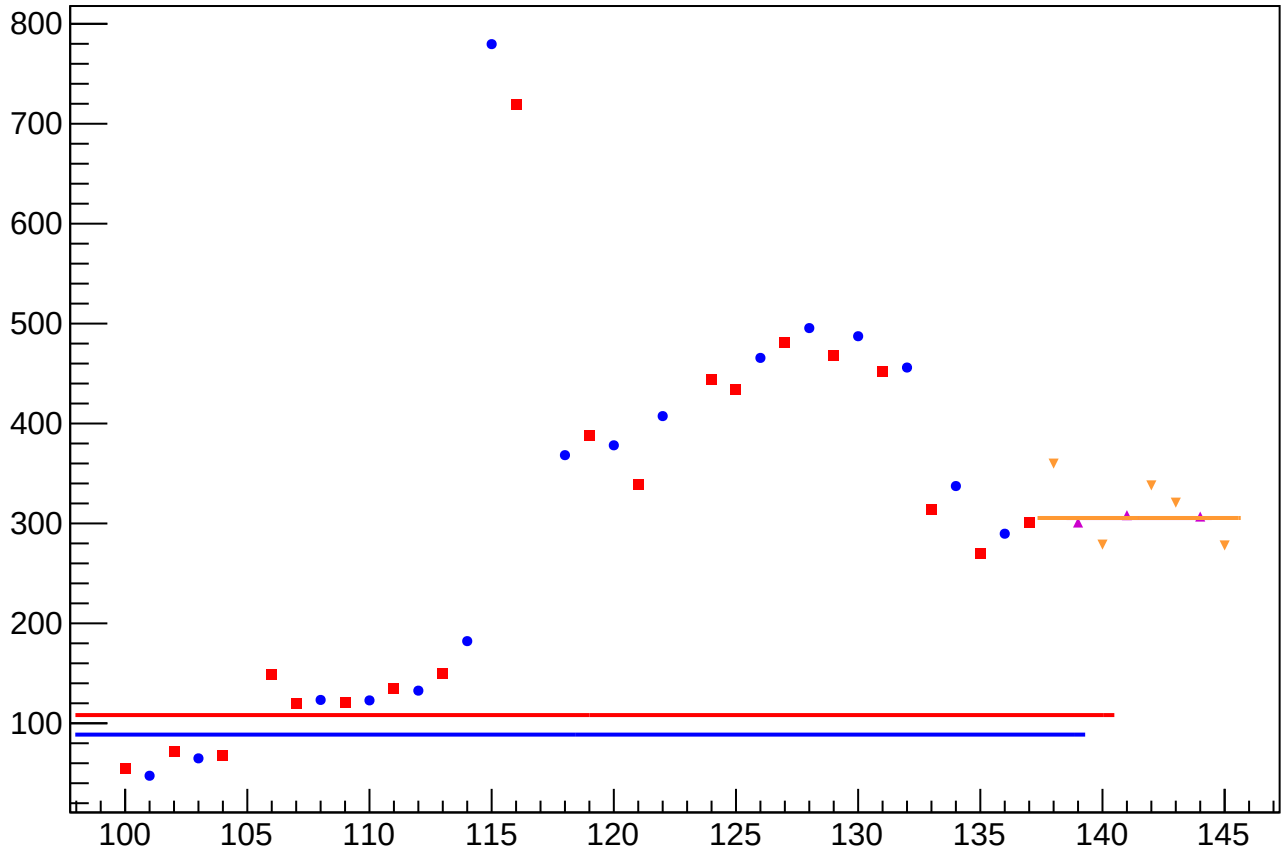
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -347.556+/-189.675 χ^2/NDF:1.6/2

\+ sign 46.878+/-44.639 χ^2/NDF: 20.9/20

All: 26.703+/-32.867 χ^2/NDF: 44.6/42

\- sign 2.816+/-48.573 χ^2/NDF: 23.2/21



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

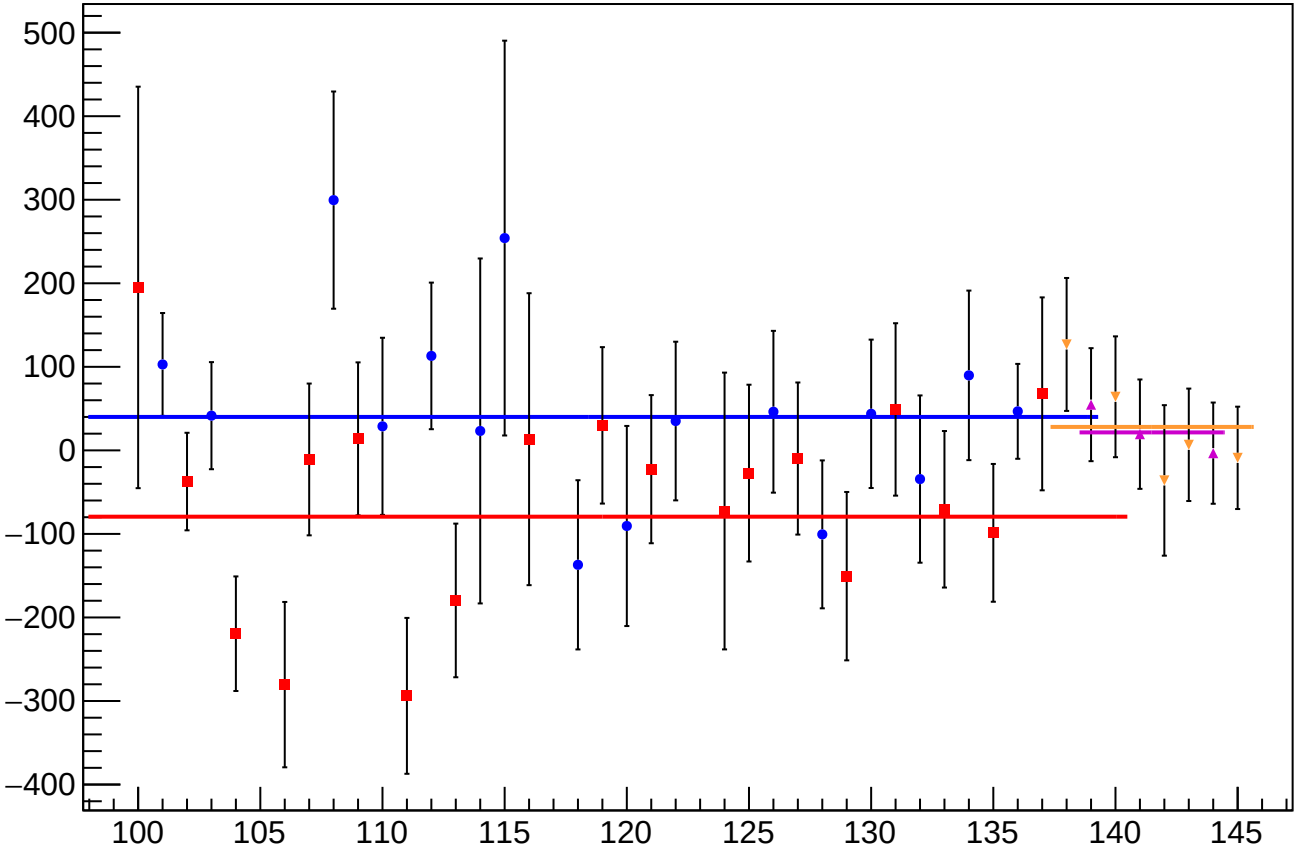
Left In: 305.392+/-0.134 χ^2/NDF:561.0/2

+ sign 105.470+/-0.032 χ^2/NDF: 10101472.2/20

All: 112.644+/-0.023 χ^2/NDF: 17589493.1/42

- sign 121.138+/-0.034 χ^2/NDF: 7375198.5/21

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

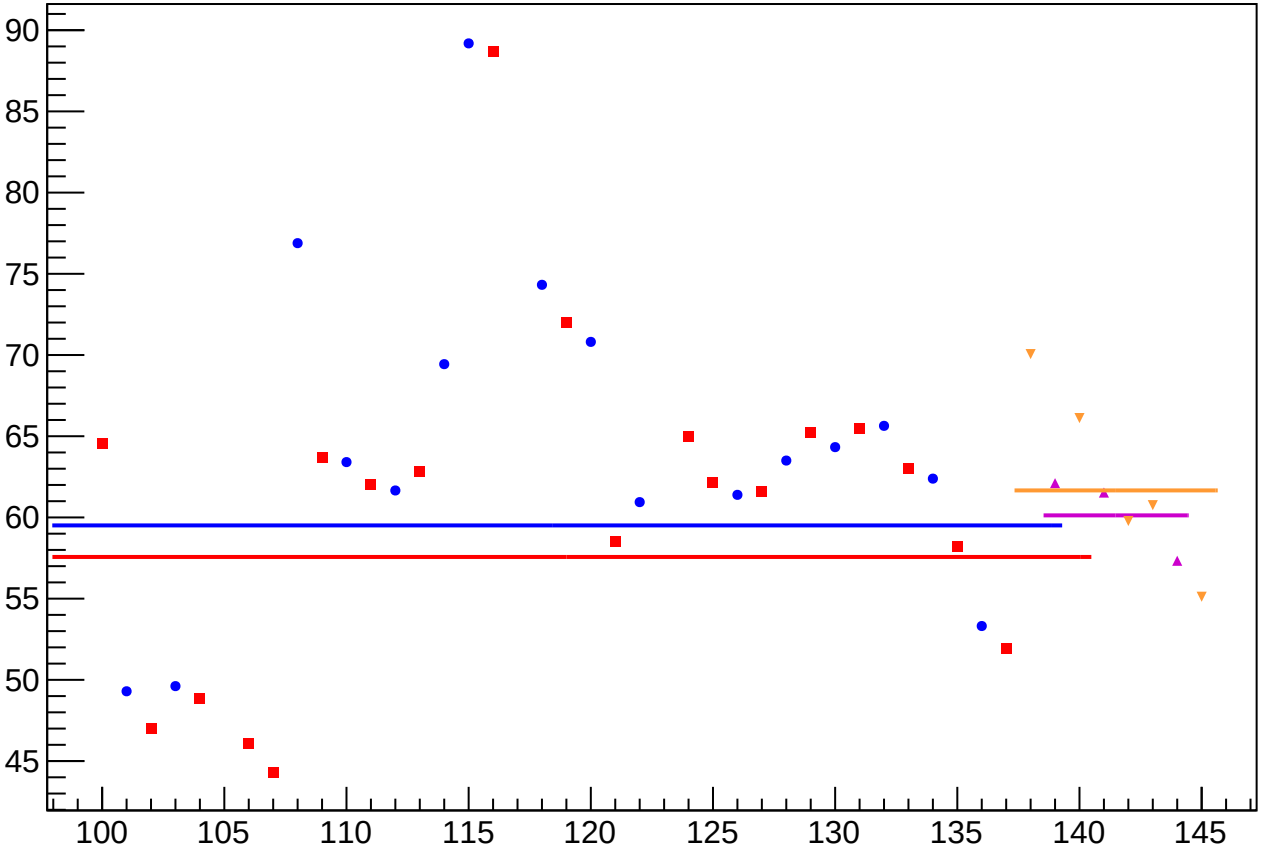
Left In: 21.504+/-37.154 χ^2/NDF:0.4/2

+ sign 36.117+/-18.467 χ^2/NDF: 17.0/20

All: -8.443+/-13.125 χ^2/NDF: 59.5/42

- sign -53.936+/-18.659 χ^2/NDF: 30.7/21

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

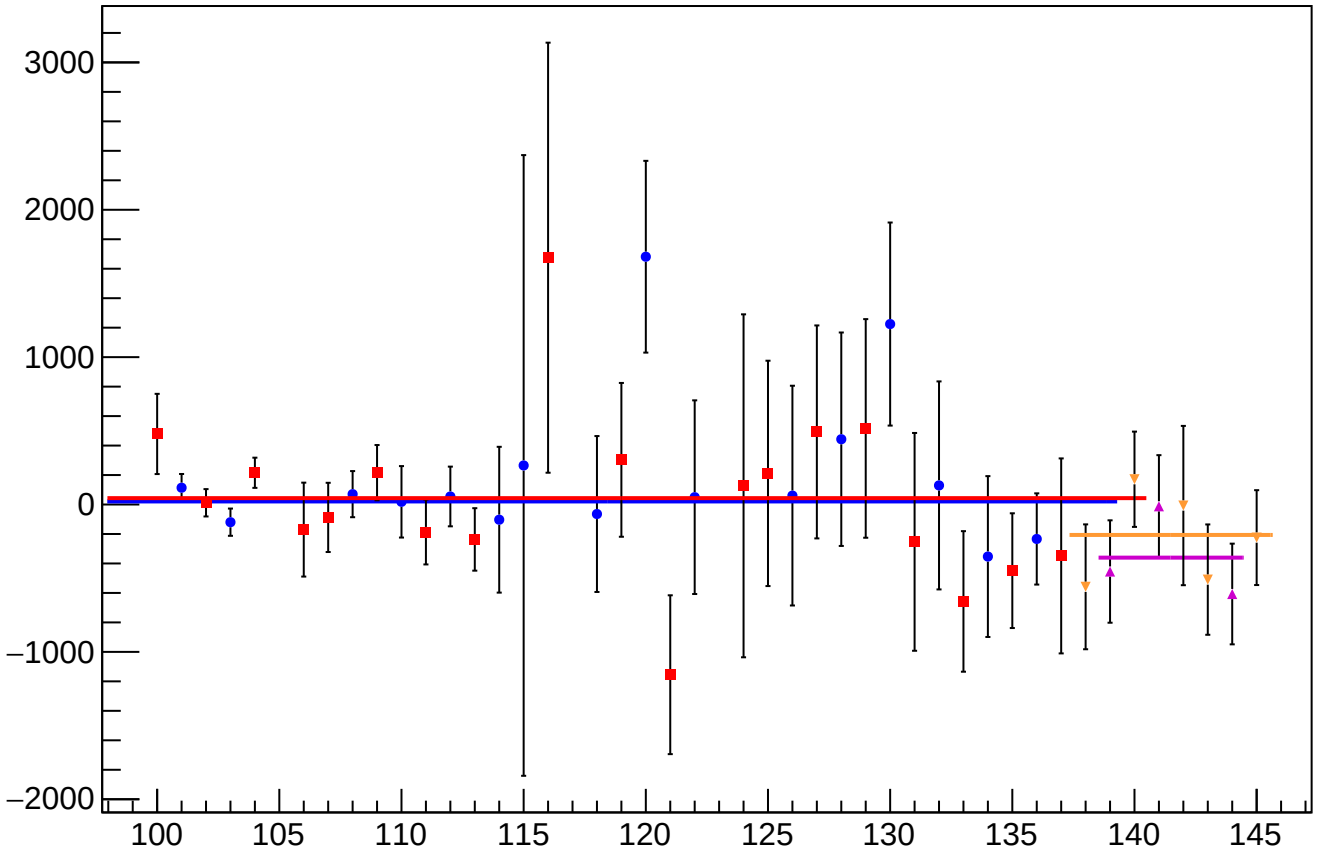
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 60.127+/-0.026 χ^2/NDF:6895.1/2

+ sign 60.214+/-0.013 χ^2/NDF: 343102.1/20

All: 59.224+/-0.009 χ^2/NDF: 716100.8/42

- sign 58.213+/-0.013 χ^2/NDF: 361374.4/21



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

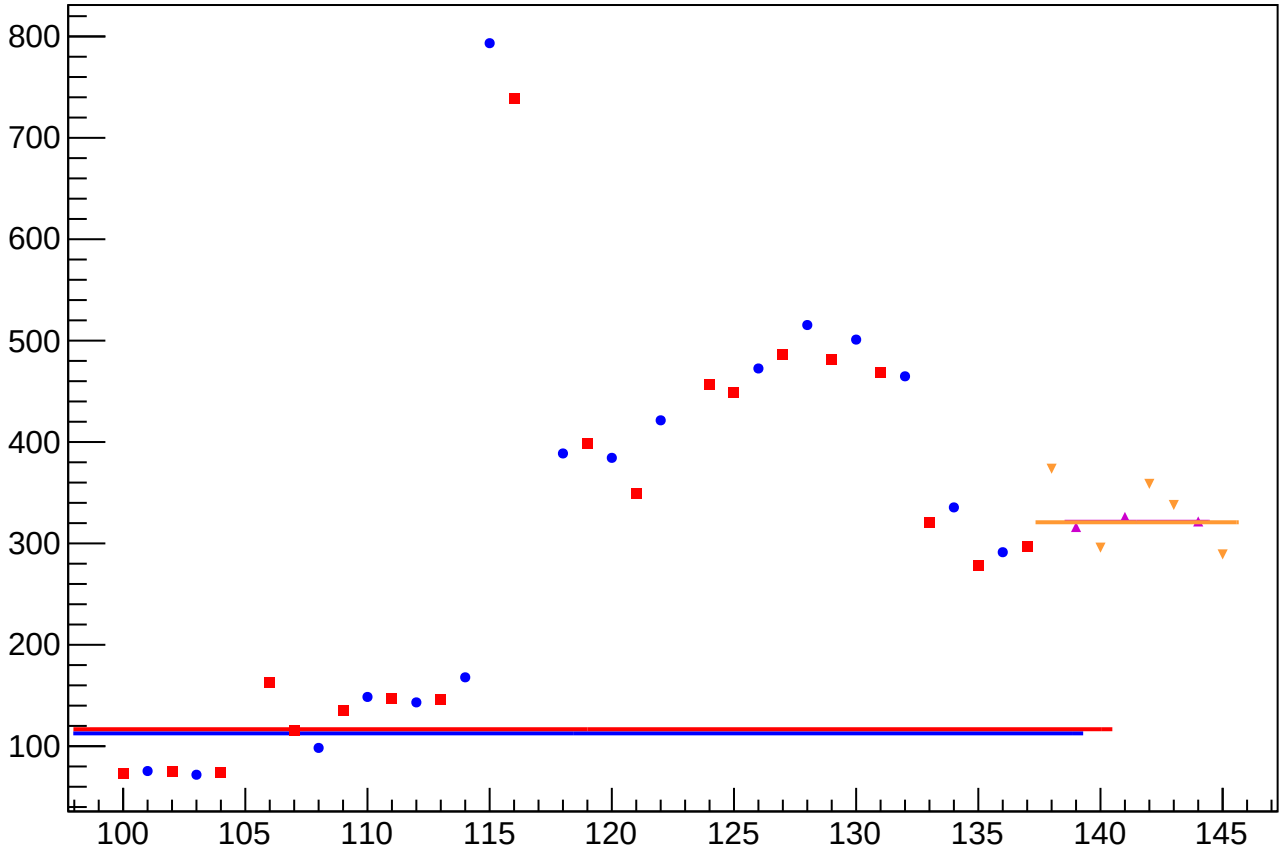
Left In: -360.459+/-199.370 χ^2/NDF:1.6/2

\+ sign -0.104+/-51.057 χ^2/NDF: 19.1/20

All: 8.099+/-36.227 χ^2/NDF: 46.1/42

\- sign 16.417+/-51.411 χ^2/NDF: 26.9/21

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

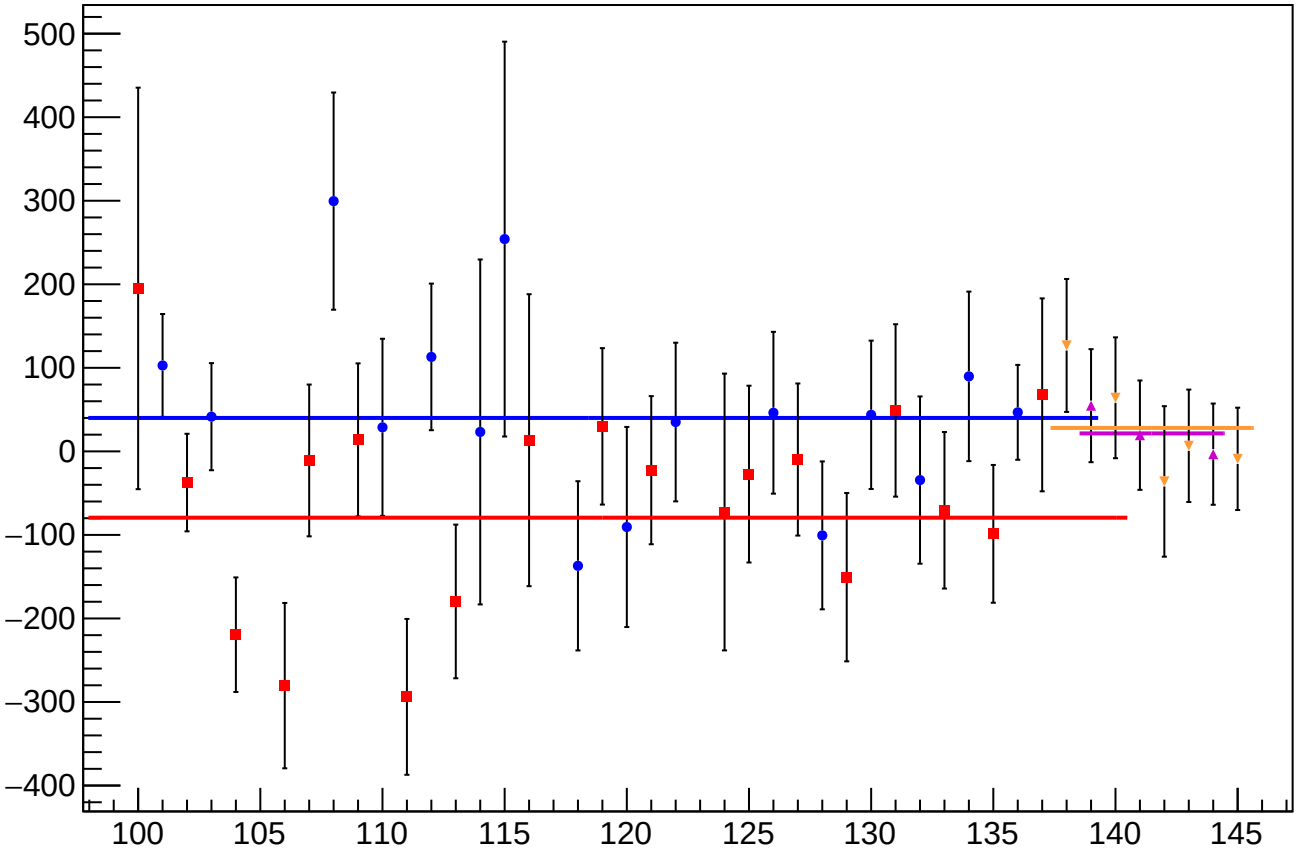
Left In: 321.344+/-0.141 χ^2/NDF:824.6/2

+ sign 131.851+/-0.036 χ^2/NDF: 8457705.8/20

All: 131.100+/-0.026 χ^2/NDF: 15567256.7/42

- sign 130.338+/-0.036 χ^2/NDF: 7108678.9/21

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

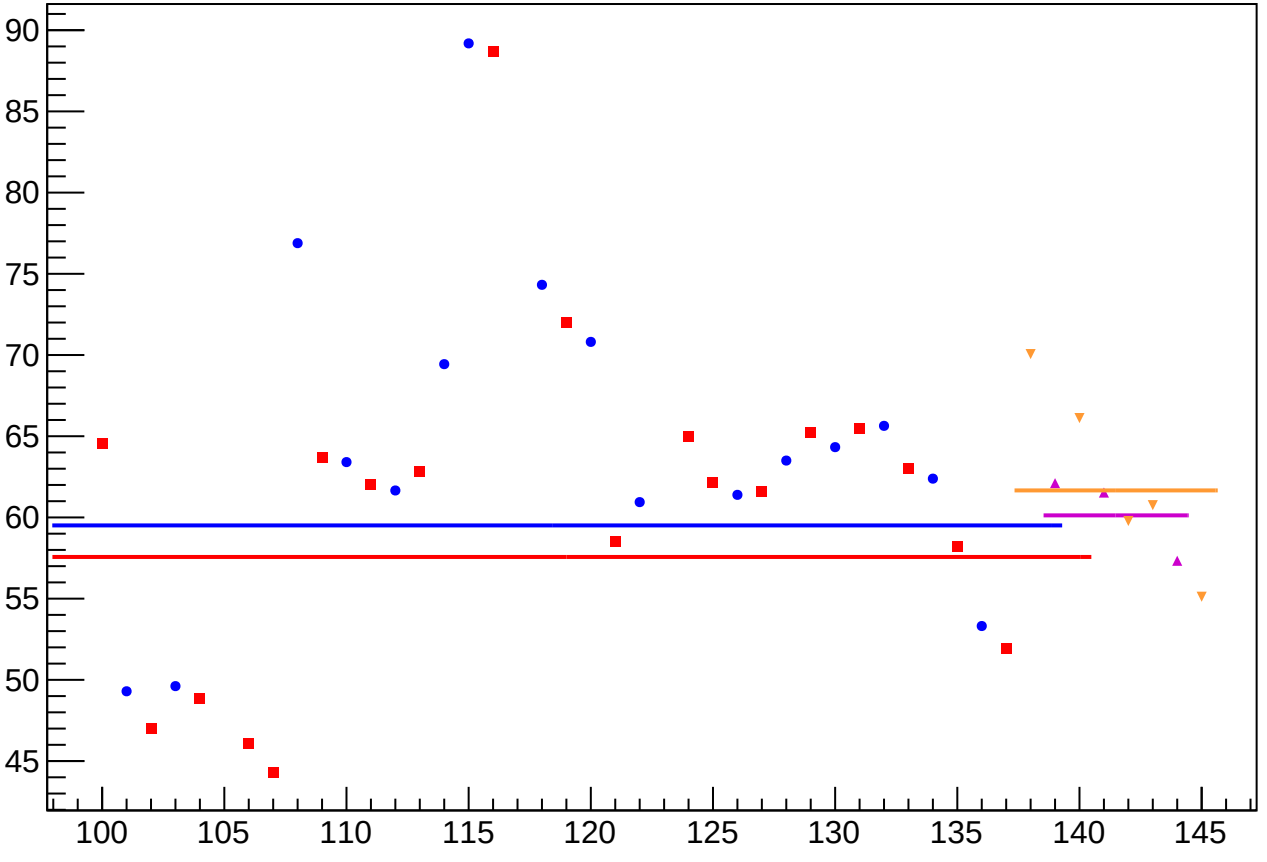
Left In: 21.503+/-37.155 χ^2/NDF:0.4/2

+ sign 36.117+/-18.467 χ^2/NDF: 17.0/20

All: -8.444+/-13.125 χ^2/NDF: 59.5/42

- sign -53.936+/-18.659 χ^2/NDF: 30.7/21

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

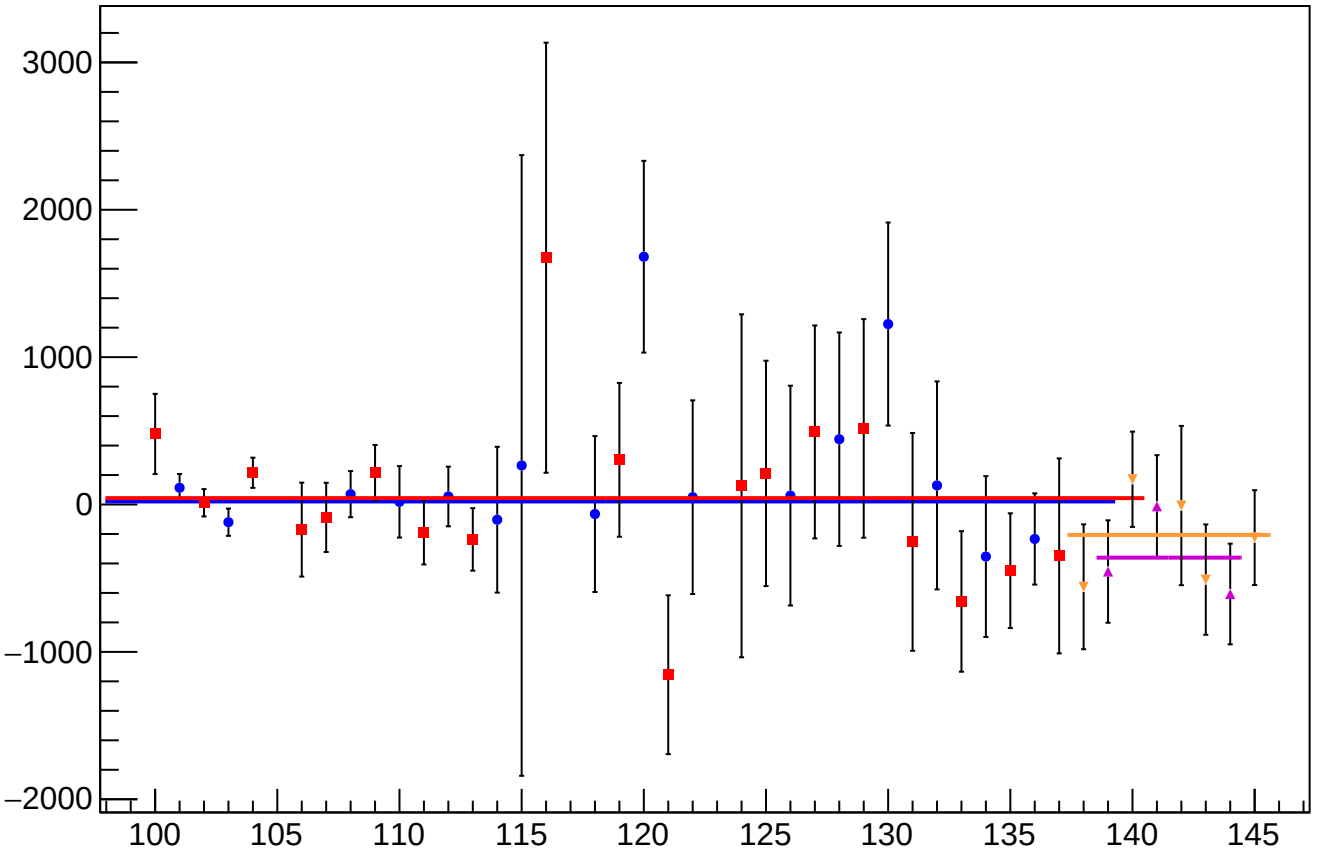
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 60.127+/-0.026 χ^2/NDF:6896.1/2

+ sign 60.214+/-0.013 χ^2/NDF: 343104.3/20

All: 59.224+/-0.009 χ^2/NDF: 716102.3/42

- sign 58.213+/-0.013 χ^2/NDF: 361374.0/21



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

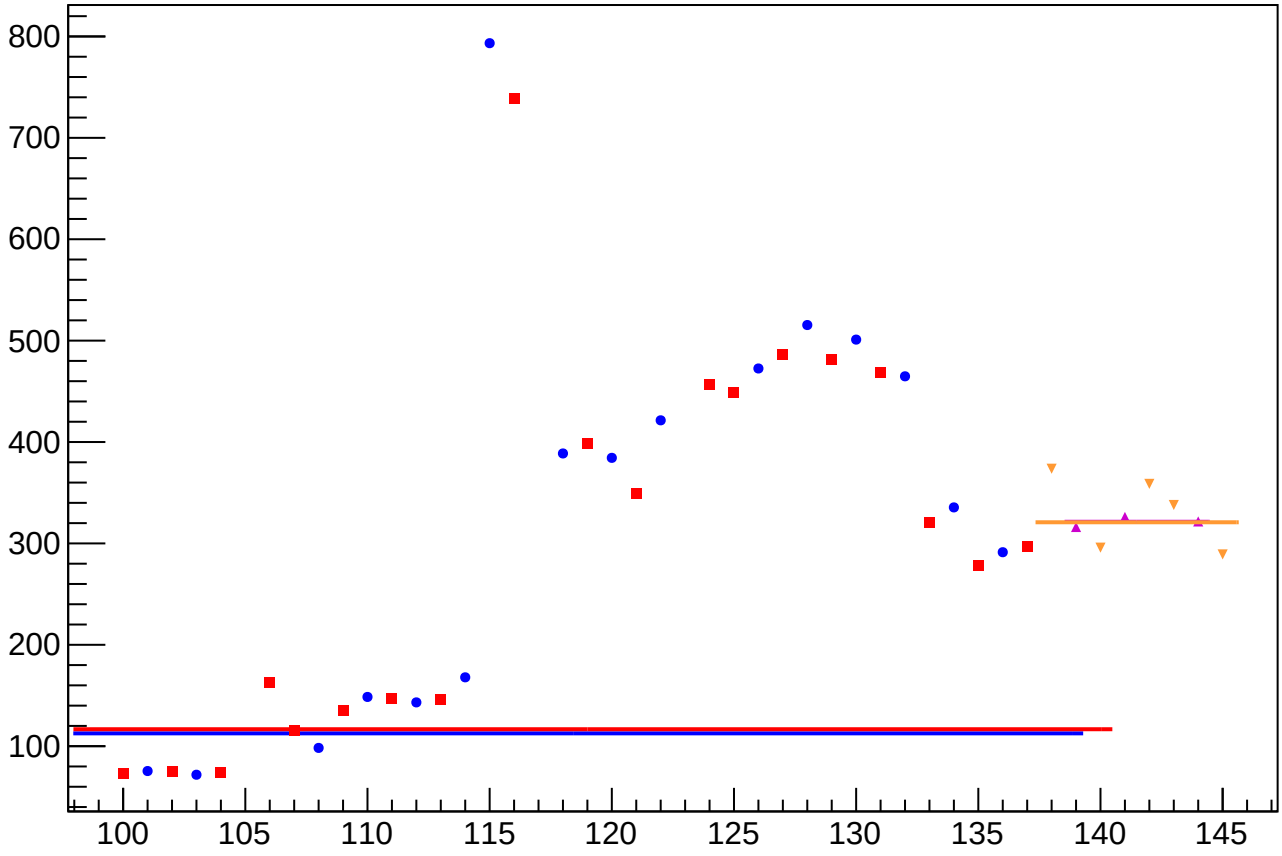
Left In: -360.460+/-199.371 χ^2/NDF:1.6/2

\+ sign -0.104+/-51.057 χ^2/NDF: 19.1/20

All: 8.099+/-36.227 χ^2/NDF: 46.1/42

\- sign 16.417+/-51.411 χ^2/NDF: 26.9/21

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

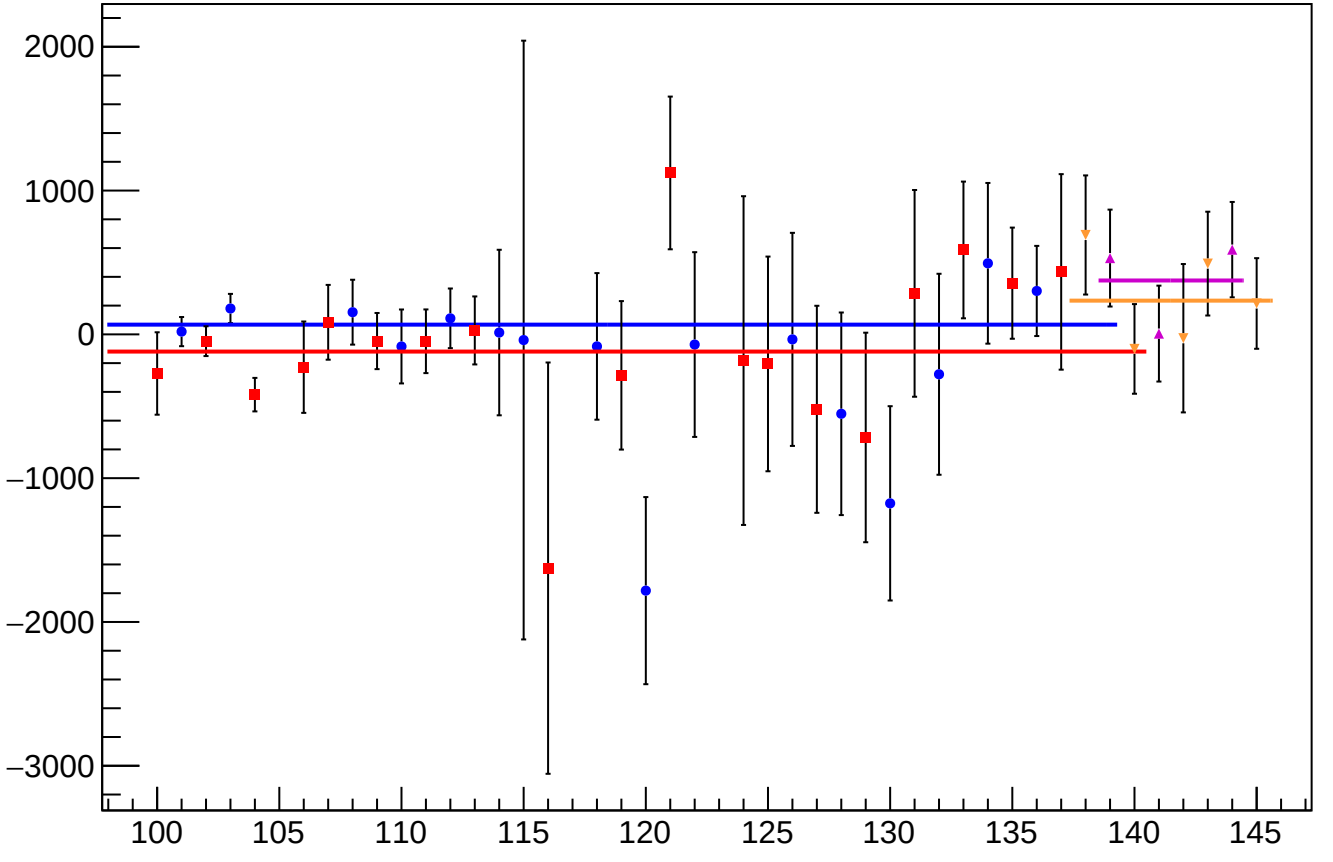
Left In: 321.345+/-0.141 χ^2/NDF:824.7/2

+ sign 131.851+/-0.036 χ^2/NDF: 8457719.4/20

All: 131.100+/-0.026 χ^2/NDF: 15567287.4/42

- sign 130.338+/-0.036 χ^2/NDF: 7108695.8/21

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

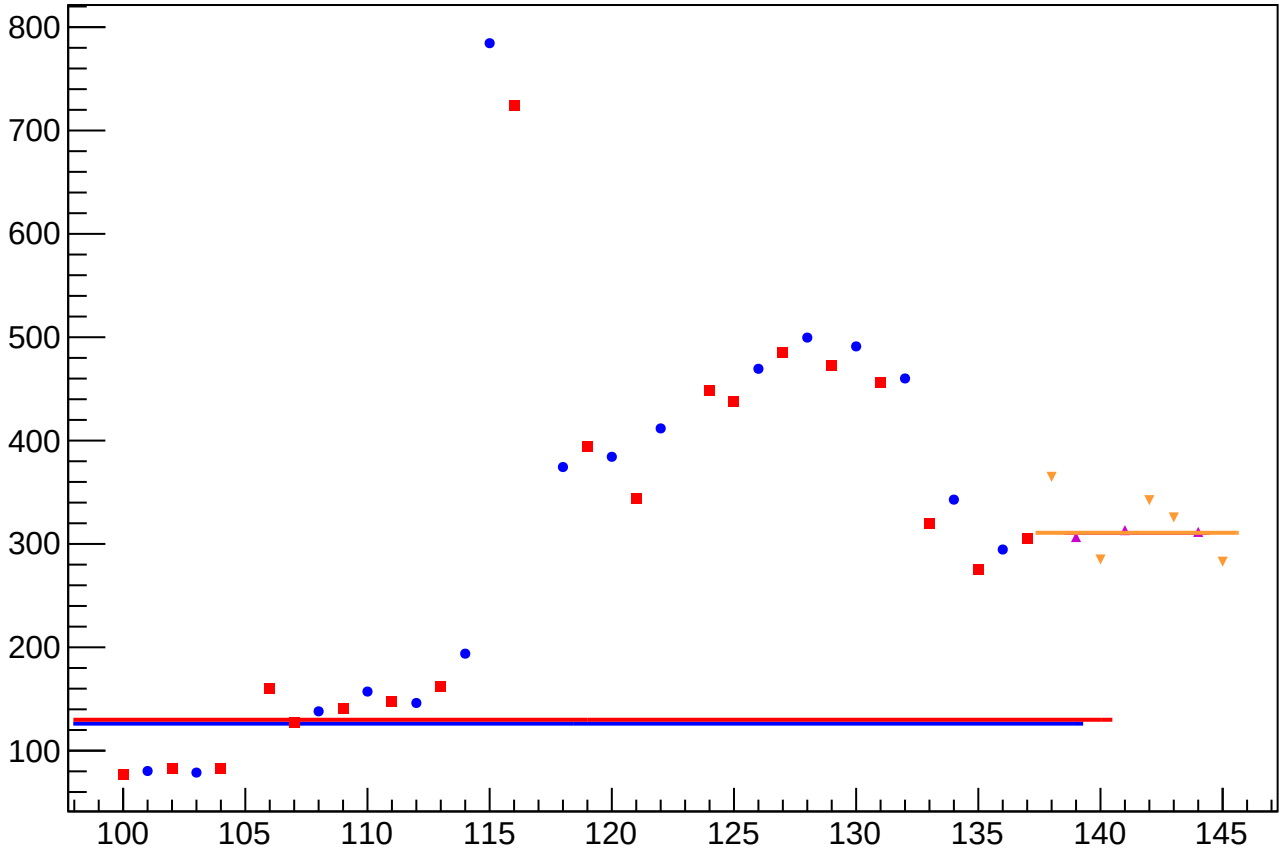
Left In: 374.712+/-192.835 χ^2/NDF:1.9/2

+ sign 87.050+/-55.619 χ^2/NDF: 19.9/20

All: 3.983+/-39.283 χ^2/NDF: 53.3/42

- sign -78.700+/-55.490 χ^2/NDF: 29.0/21

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

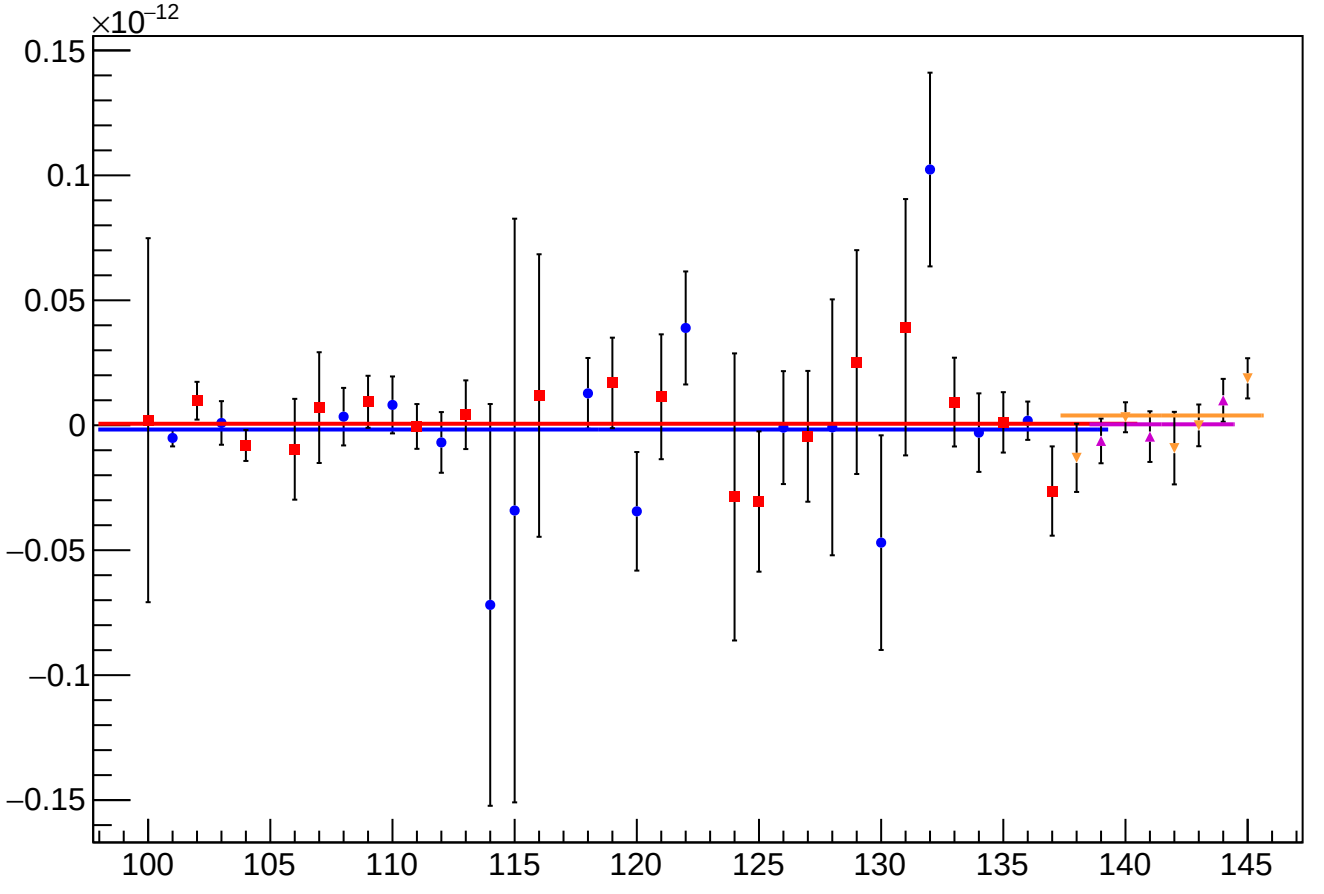
Left In: 310.614+/-0.136 χ^2/NDF:427.8/2

+ sign 147.645+/-0.039 χ^2/NDF: 7561569.0/20

All: 146.258+/-0.028 χ^2/NDF: 13822918.7/42

- sign 144.878+/-0.039 χ^2/NDF: 6258867.7/21

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

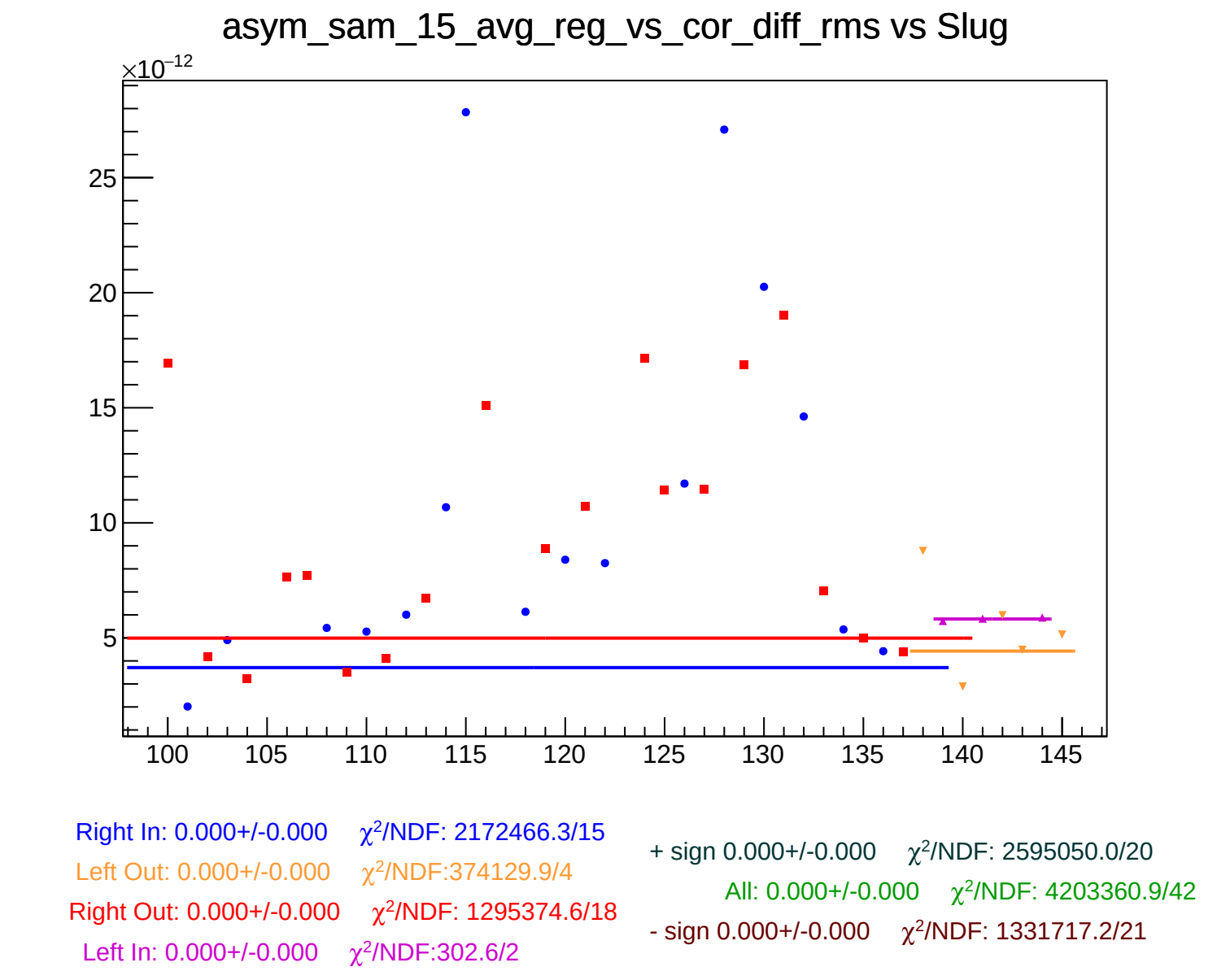
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/2

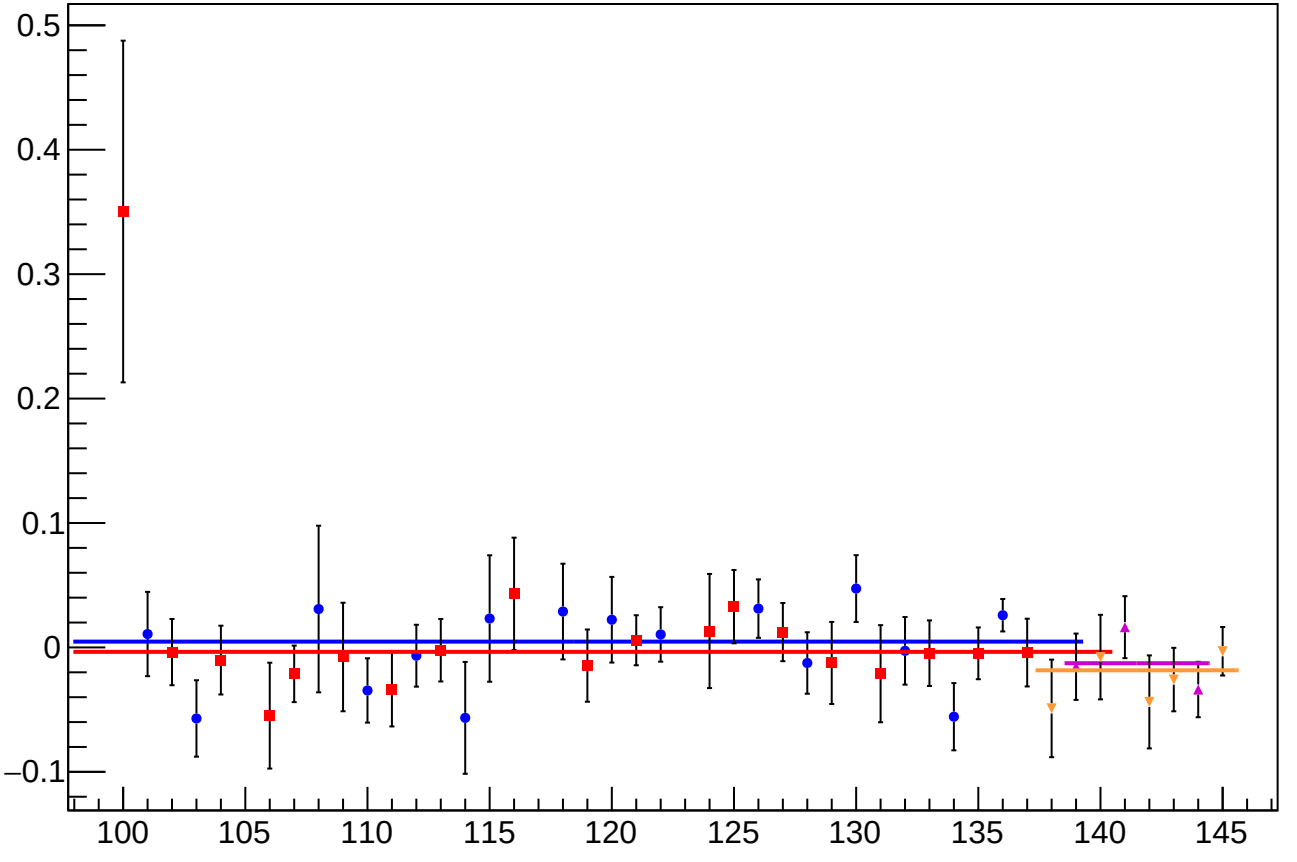
+ sign -0.000+/-0.000 χ^2/NDF: 25.3/20

All: 0.000+/-0.000 χ^2/NDF: 37.9/42

- sign 0.000+/-0.000 χ^2/NDF: 12.6/21


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
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:302.6/2
+ sign 0.000+/-0.000 χ²/NDF: 2595050.0/20
All: 0.000+/-0.000 χ²/NDF: 4203360.9/42
- sign 0.000+/-0.000 χ²/NDF: 1331717.2/21

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

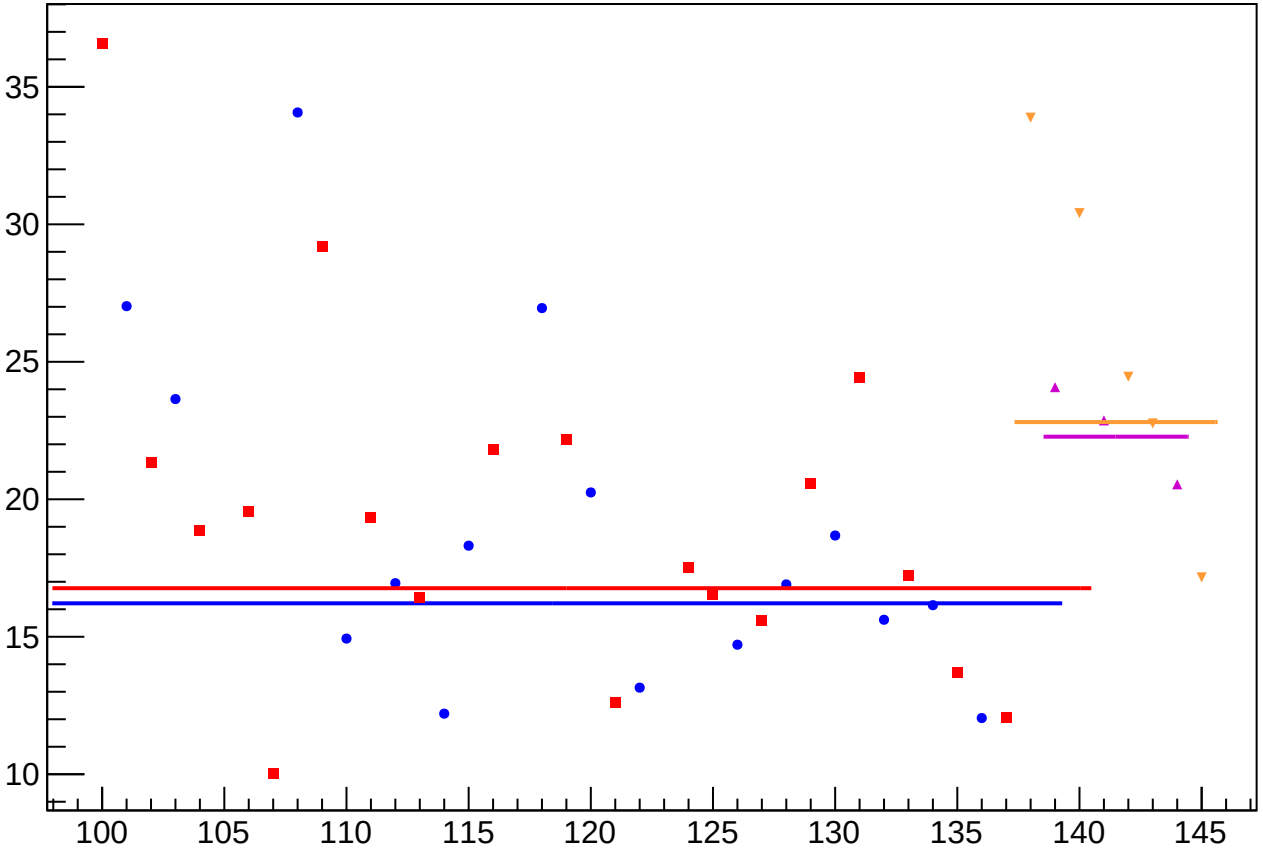
Left In: -0.013+/-0.014 χ^2/NDF:2.3/2

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/20

All: -0.003+/-0.004 χ^2/NDF: 42.6/42

- sign -0.005+/-0.006 χ^2/NDF: 16.2/21

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

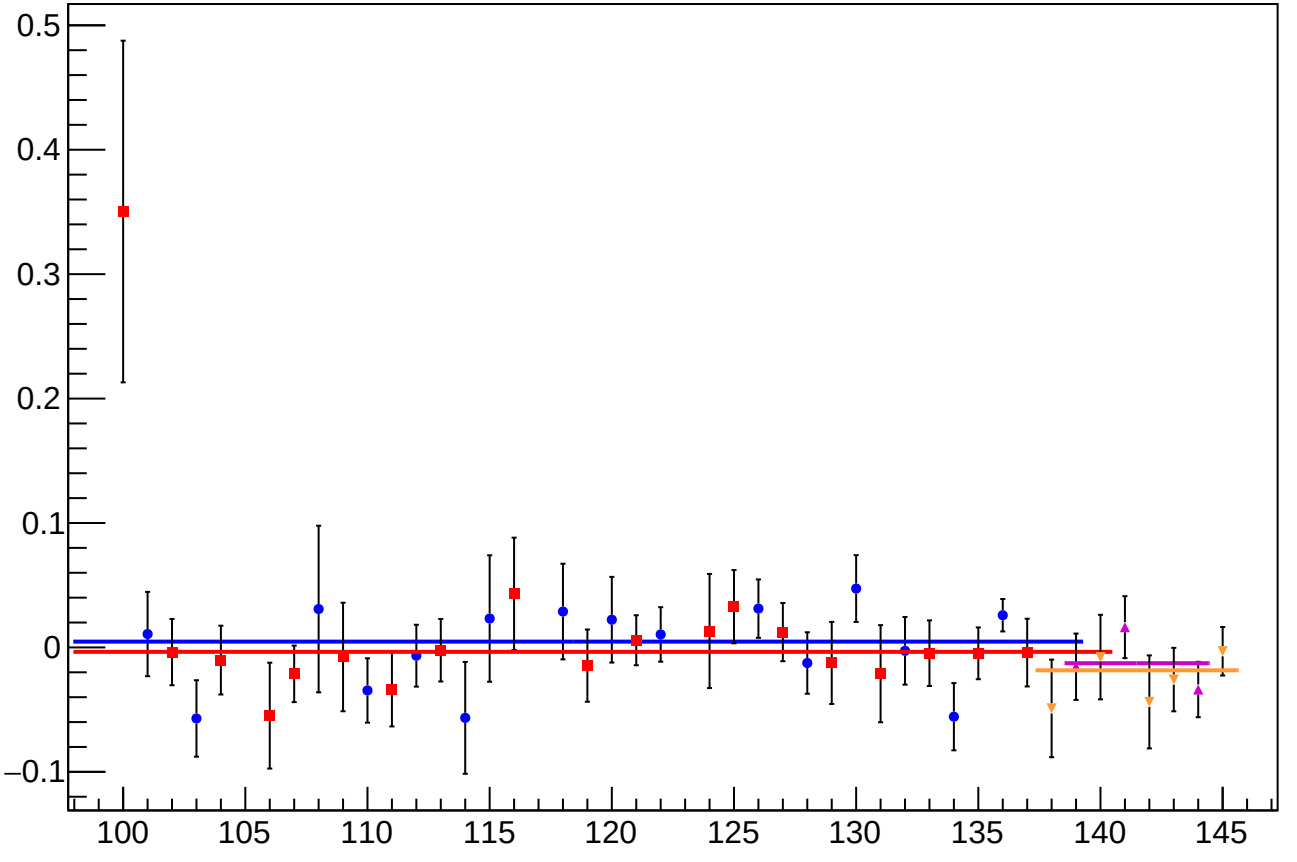
Left In: 22.276+/-0.010 χ^2/NDF:22359.3/2

+ sign 17.642+/-0.004 χ^2/NDF: 1811568.0/20

All: 17.701+/-0.003 χ^2/NDF: 2951448.3/42

- sign 17.764+/-0.004 χ^2/NDF: 1139458.2/21

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

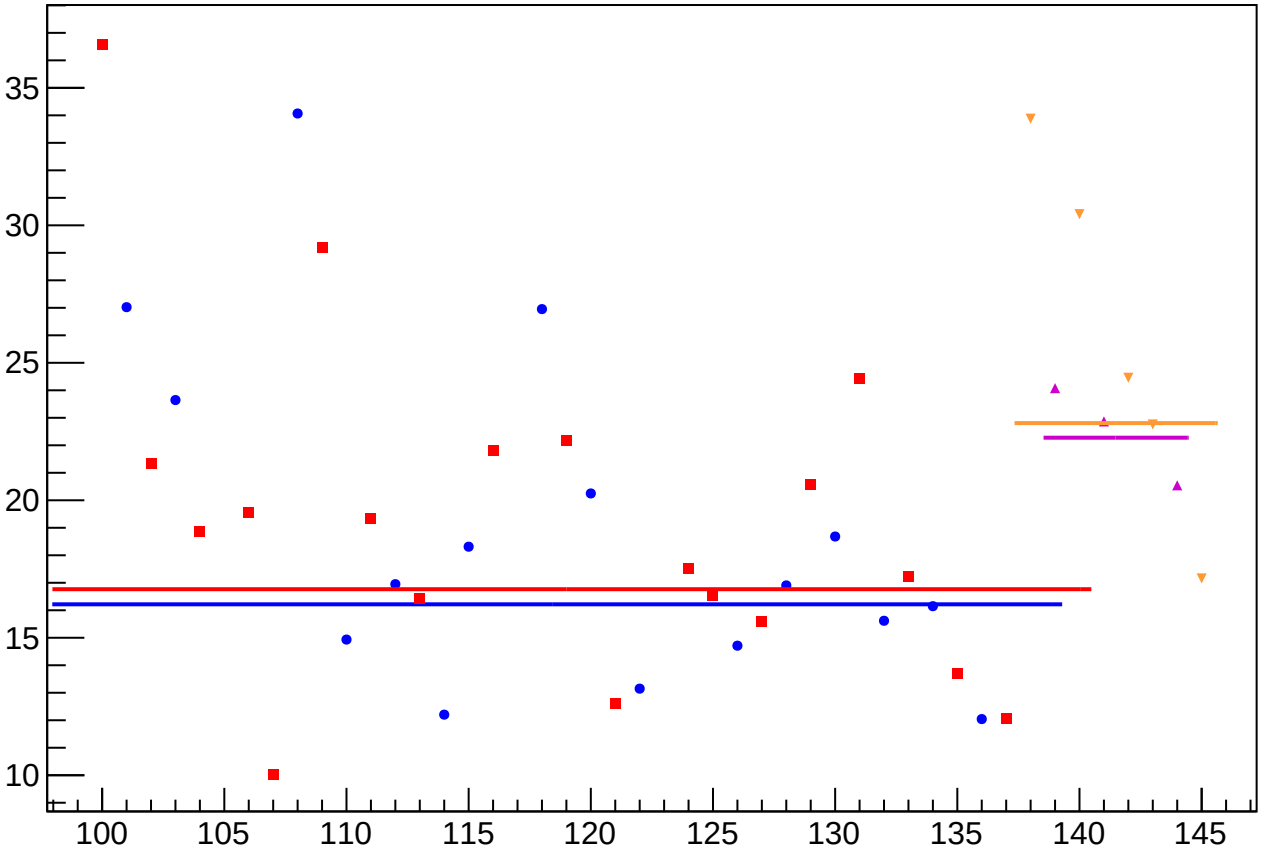
Left In: -0.013+/-0.014 χ^2/NDF:2.3/2

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/20

All: -0.003+/-0.004 χ^2/NDF: 42.6/42

- sign -0.005+/-0.006 χ^2/NDF: 16.2/21

asym_sam_15_avg_dit_vs_eigen_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

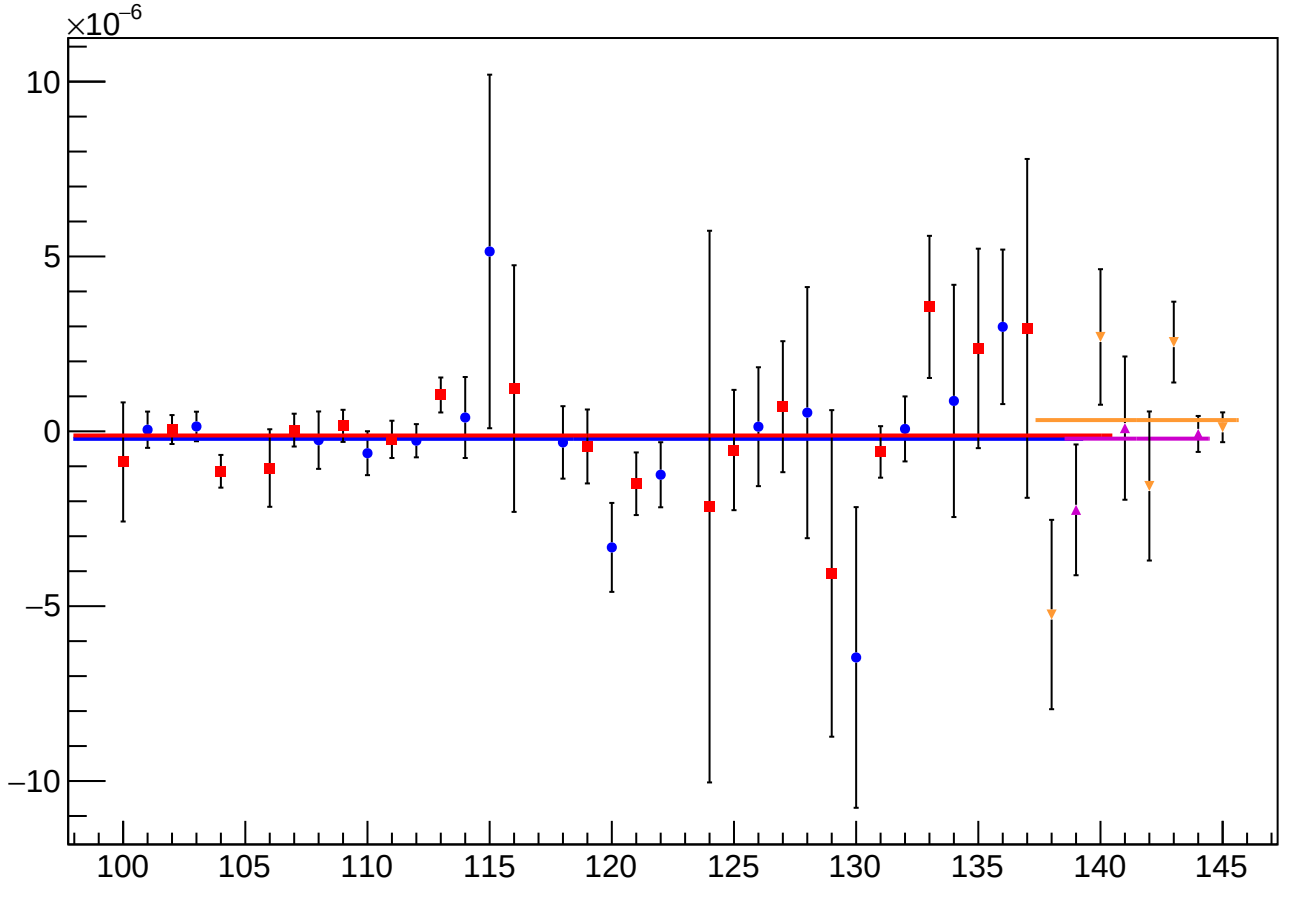
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.276+/-0.010 χ^2/NDF:22359.3/2

+ sign 17.642+/-0.004 χ^2/NDF: 1811568.0/20

All: 17.701+/-0.003 χ^2/NDF: 2951448.3/42

- sign 17.764+/-0.004 χ^2/NDF: 1139458.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/4

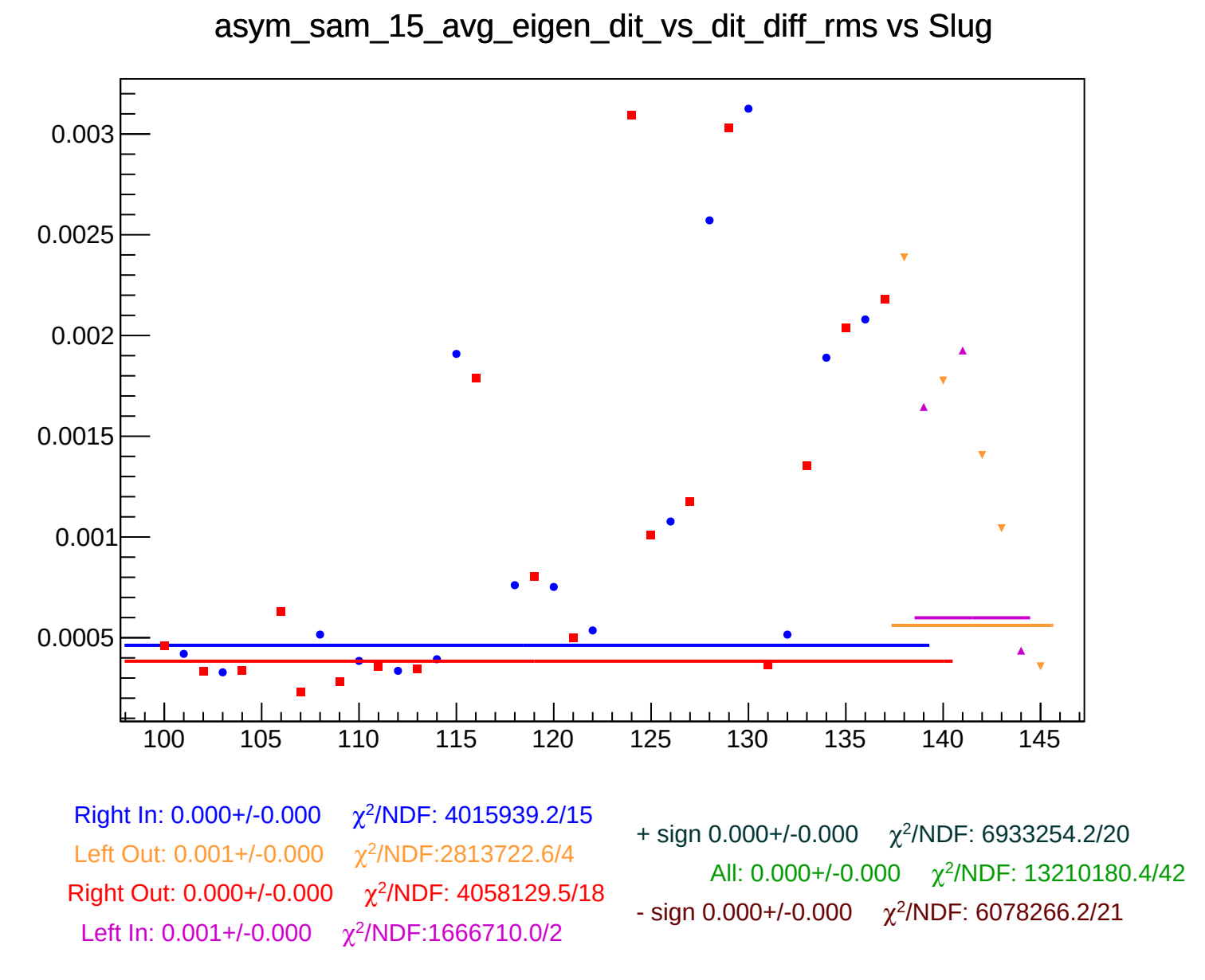
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/2

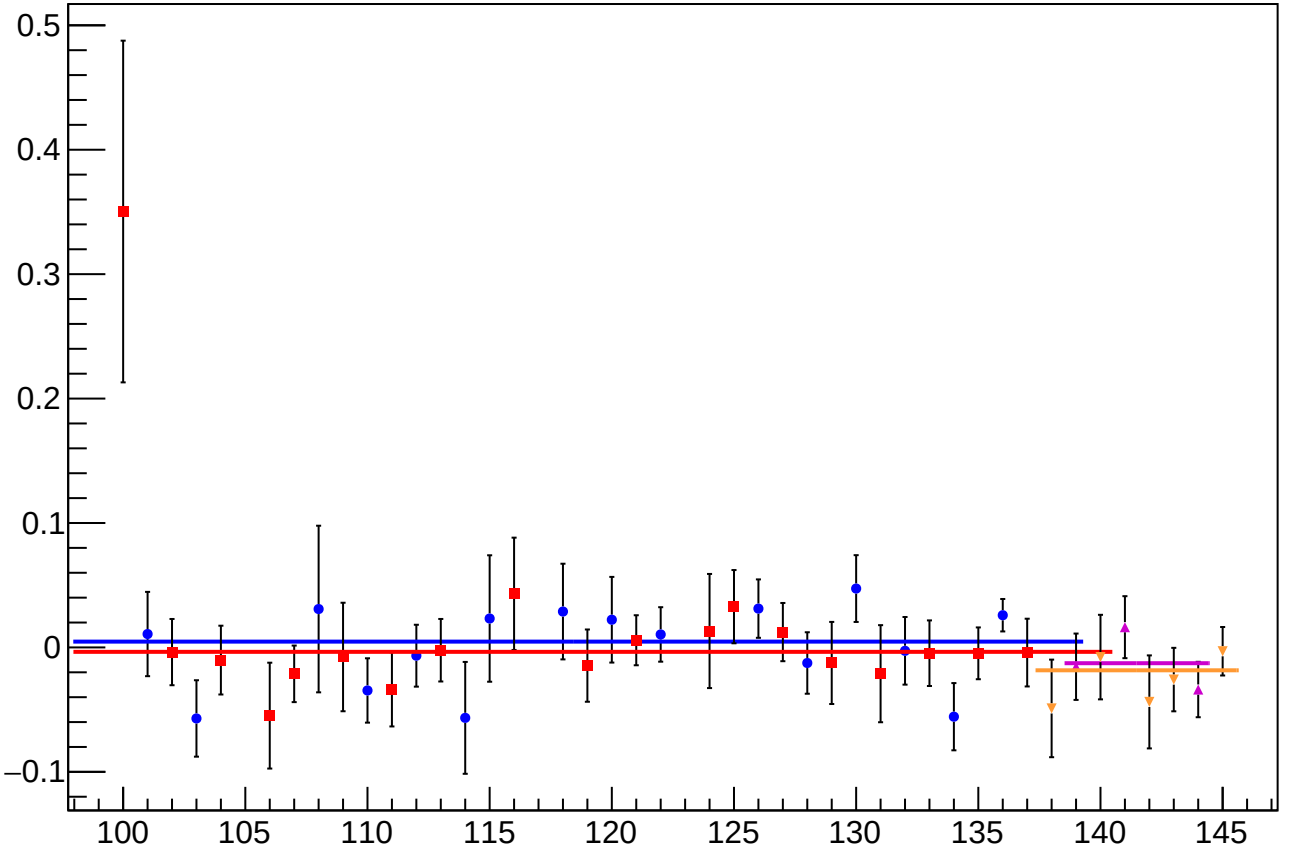
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/20

All: -0.000+/-0.000 χ^2/NDF: 48.0/42

- sign -0.000+/-0.000 χ^2/NDF: 21.5/21


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:2813722.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:1666710.0/2
+ sign 0.000+/-0.000 χ²/NDF: 6933254.2/20
All: 0.000+/-0.000 χ²/NDF: 13210180.4/42
- sign 0.000+/-0.000 χ²/NDF: 6078266.2/21

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

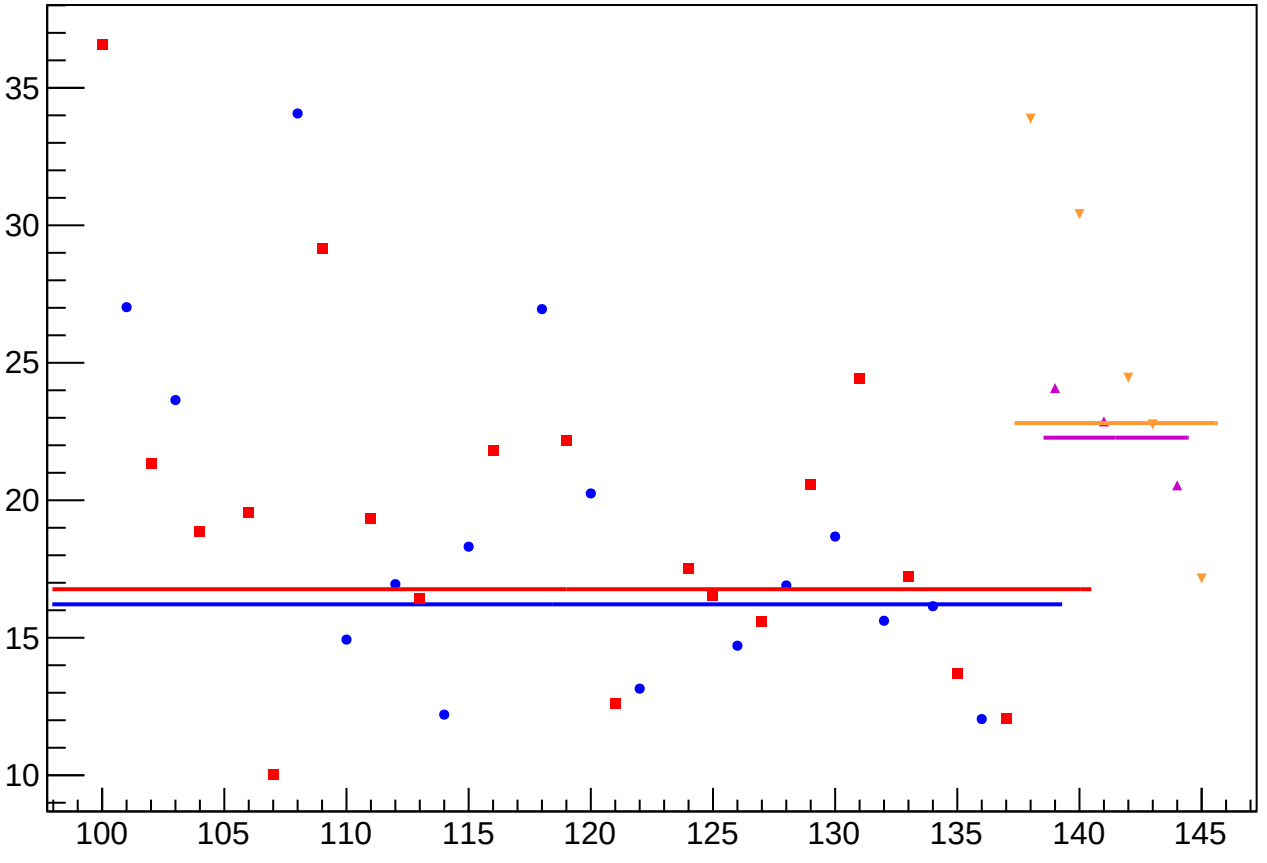
Left In: -0.013+/-0.014 χ^2/NDF:2.3/2

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/20

All: -0.003+/-0.004 χ^2/NDF: 42.6/42

- sign -0.005+/-0.006 χ^2/NDF: 16.2/21

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 22.808+/-0.009 χ^2/NDF:431623.4/4

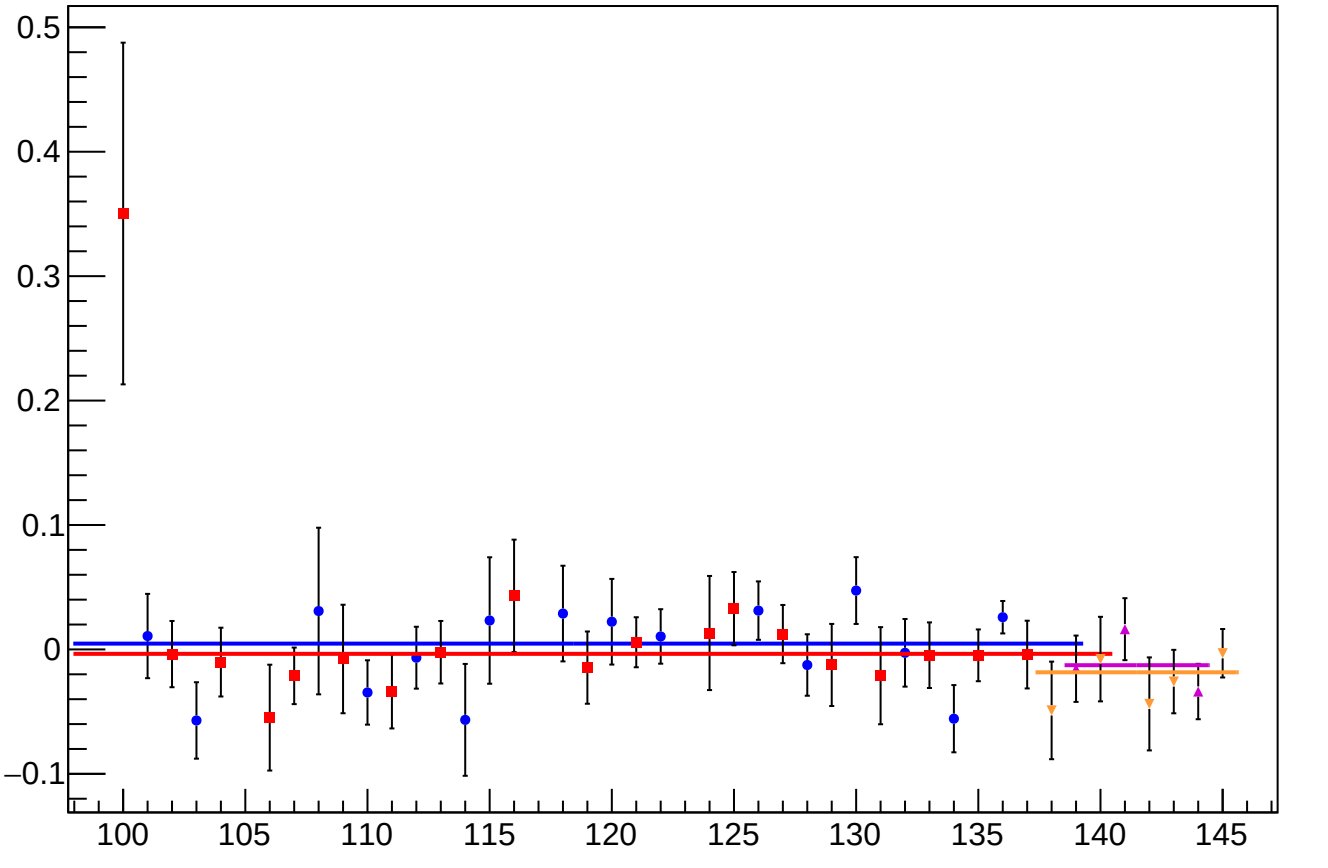
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.277+/-0.010 χ^2/NDF:22371.3/2

+ sign 17.642+/-0.004 χ^2/NDF: 1811615.1/20

All: 17.701+/-0.003 χ^2/NDF: 2951564.7/42

- sign 17.764+/-0.004 χ^2/NDF: 1139527.3/21



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.018+/-0.012 χ^2/NDF:1.9/4

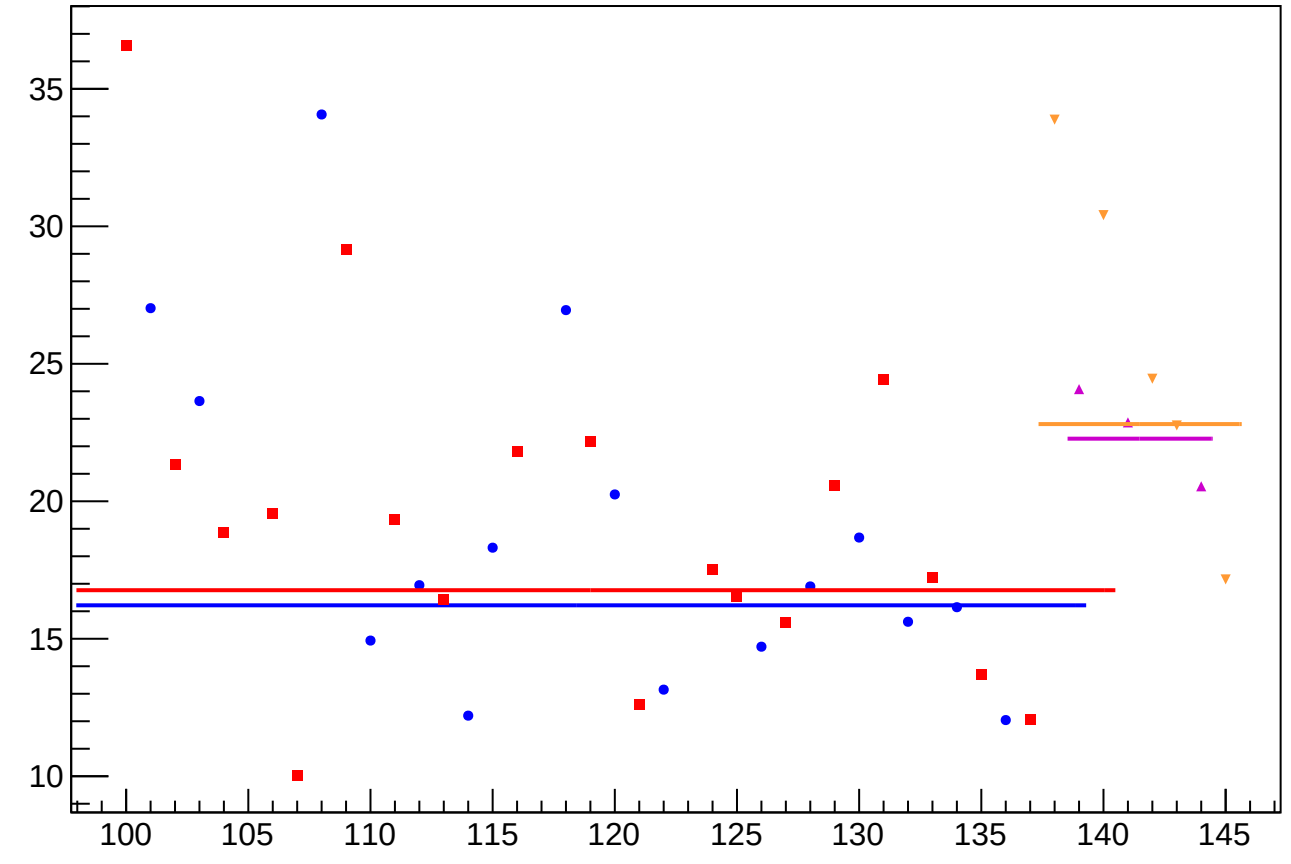
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.013+/-0.014 χ^2/NDF:2.3/2

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/20

All: -0.003+/-0.004 χ^2/NDF: 42.6/42

- sign -0.005+/-0.006 χ^2/NDF: 16.2/21



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 22.808+/-0.009 χ^2/NDF:431623.4/4

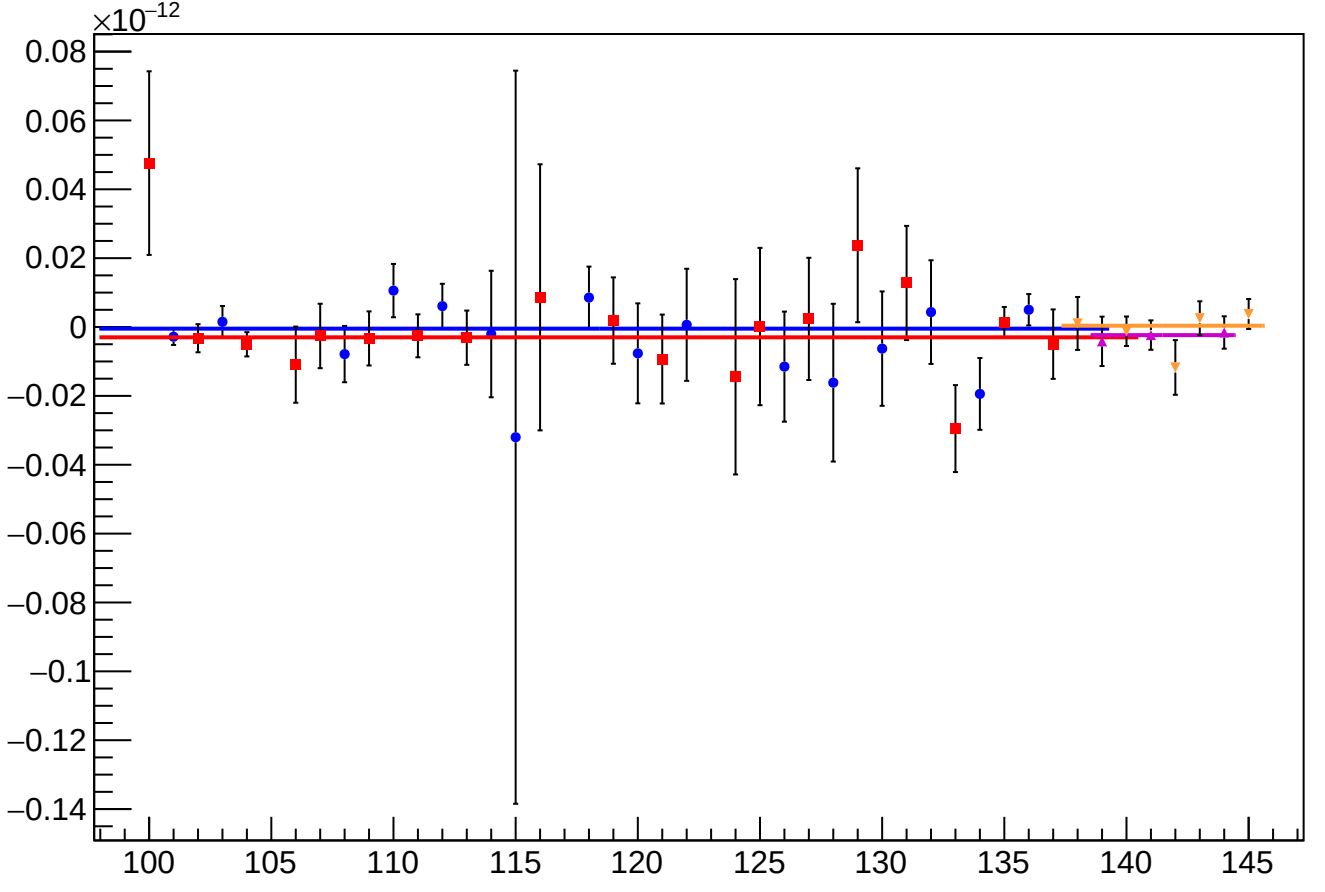
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.277+/-0.010 χ^2/NDF:22371.3/2

+ sign 17.642+/-0.004 χ^2/NDF: 1811615.1/20

All: 17.701+/-0.003 χ^2/NDF: 2951564.7/42

- sign 17.764+/-0.004 χ^2/NDF: 1139527.3/21



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/4

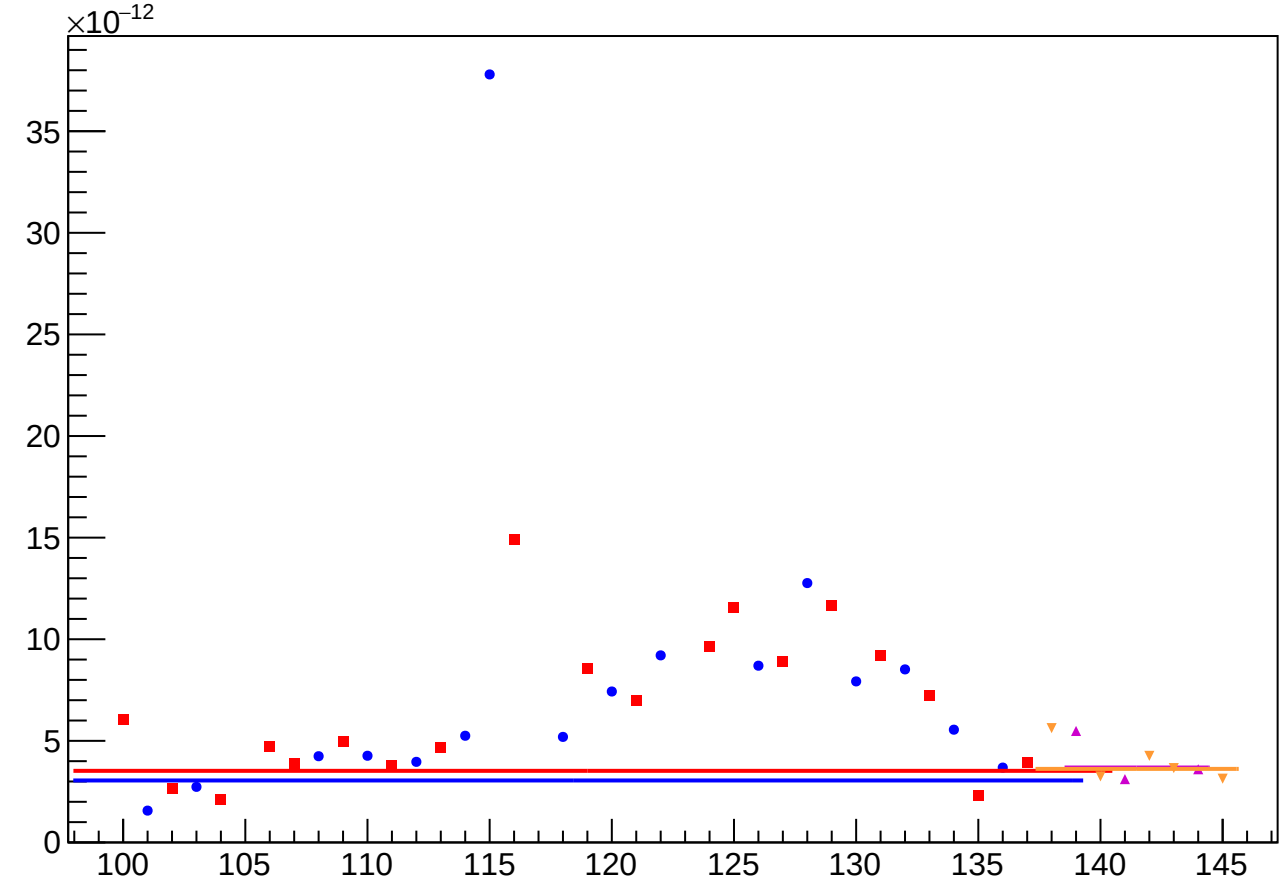
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 15.7/20

All: -0.000+/-0.000 χ^2/NDF: 30.5/42

- sign -0.000+/-0.000 χ^2/NDF: 13.1/21



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

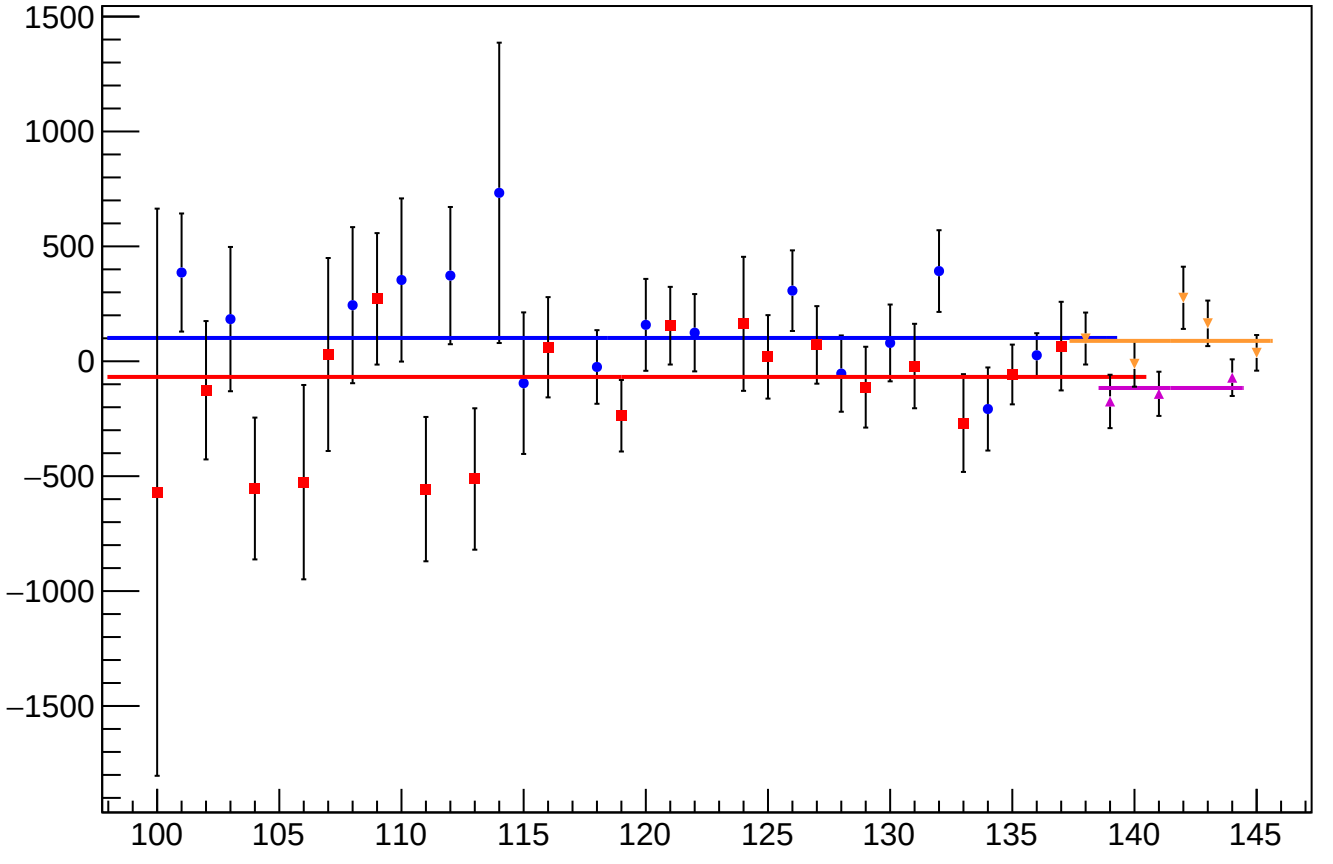
Left In: 0.000+/-0.000 χ^2/NDF:162310.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 3205238.4/20

All: 0.000+/-0.000 χ^2/NDF: 5984938.9/42

- sign 0.000+/-0.000 χ^2/NDF: 2725992.1/21

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

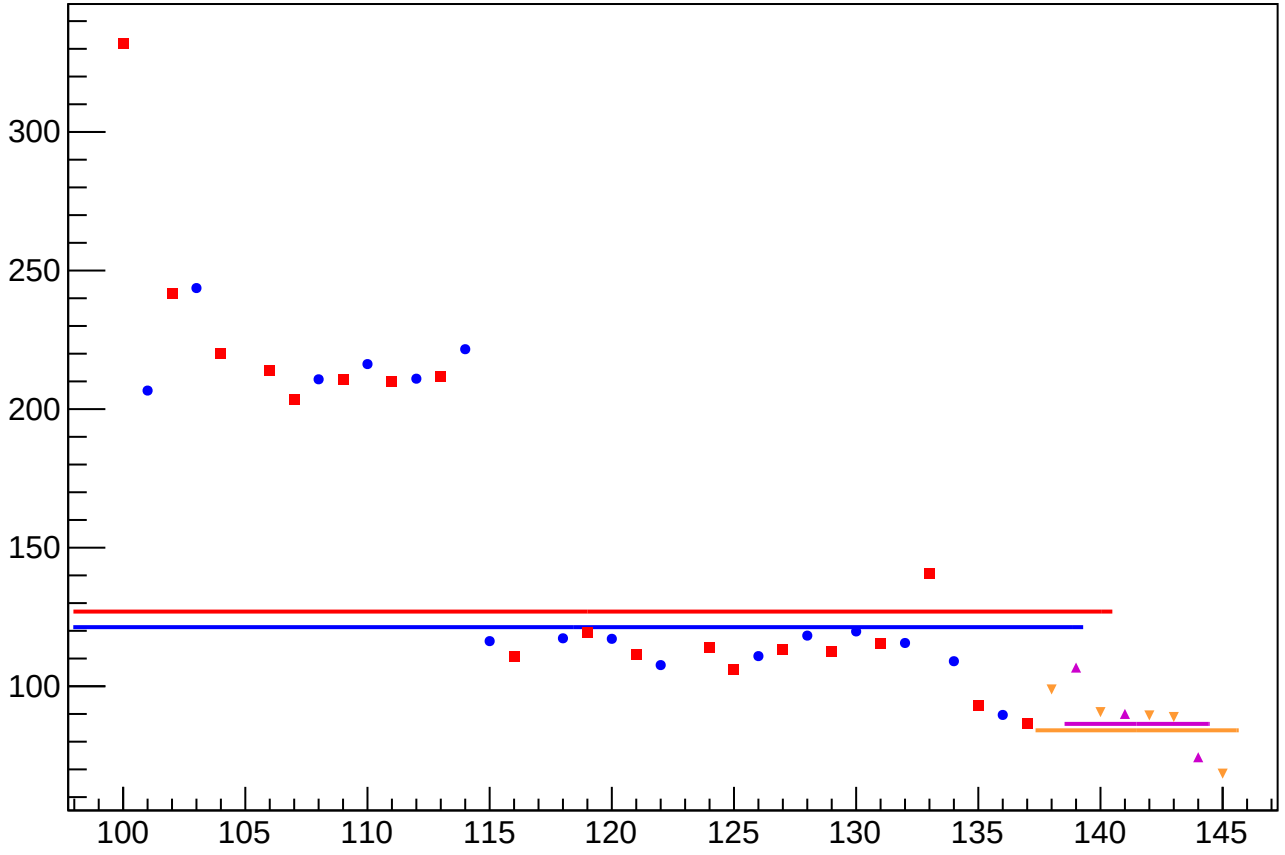
Left In: -116.240+/-54.258 χ^2/NDF:0.6/2

+ sign 94.694+/-32.560 χ^2/NDF: 17.4/20

All: 12.895+/-24.297 χ^2/NDF: 48.8/42

- sign -89.888+/-36.499 χ^2/NDF: 17.2/21

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

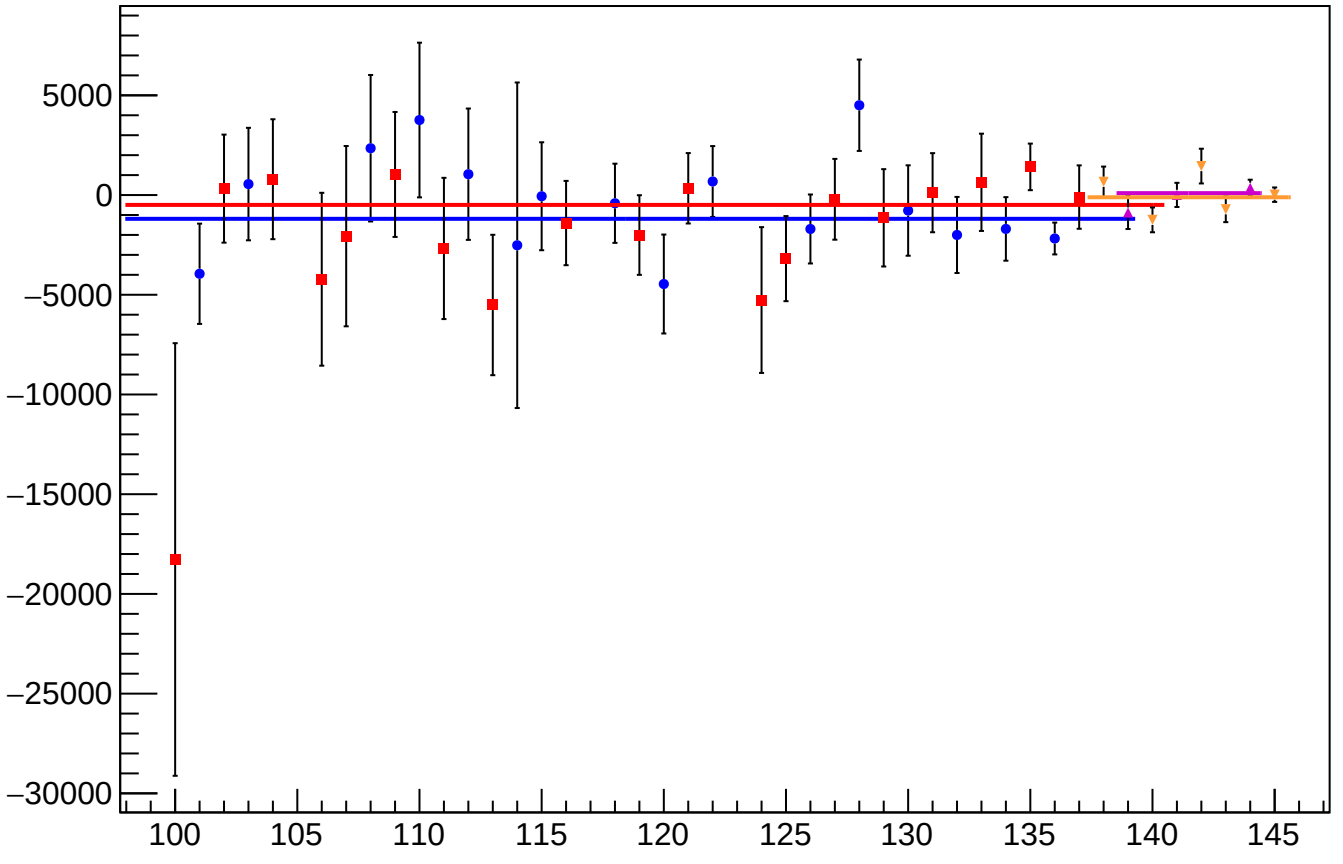
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.422+/-0.038 χ^2/NDF:109590.1/2

+ sign 101.496+/-0.023 χ^2/NDF: 2069297.6/20

All: 104.647+/-0.017 χ^2/NDF: 4303553.7/42

- sign 108.607+/-0.026 χ^2/NDF: 2191973.0/21



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

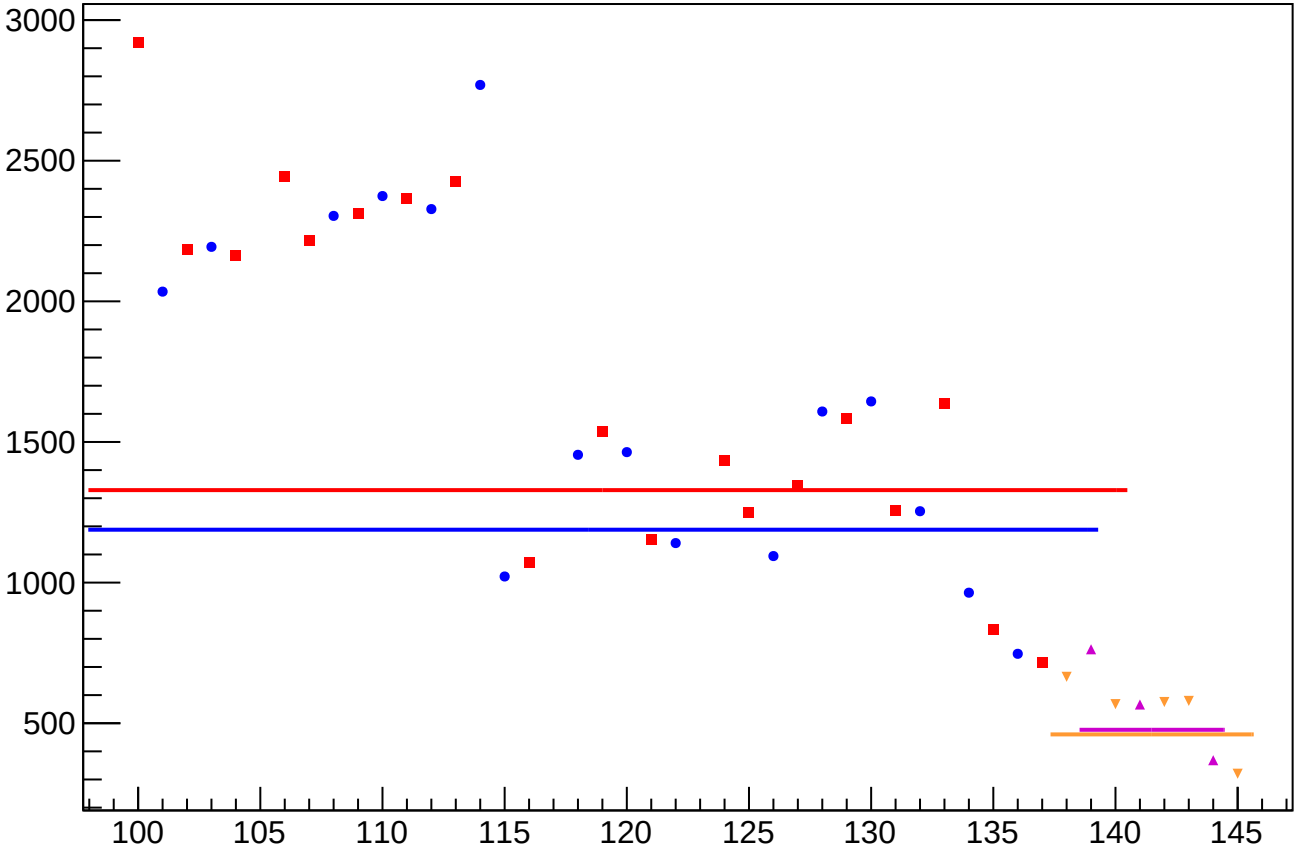
Left In: 95.320+/-311.816 χ^2/NDF:1.8/2

+ sign -346.753+/-223.619 χ^2/NDF: 28.5/20

All: -228.850+/-171.609 χ^2/NDF: 45.8/42

- sign -59.934+/-267.659 χ^2/NDF: 16.6/21

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

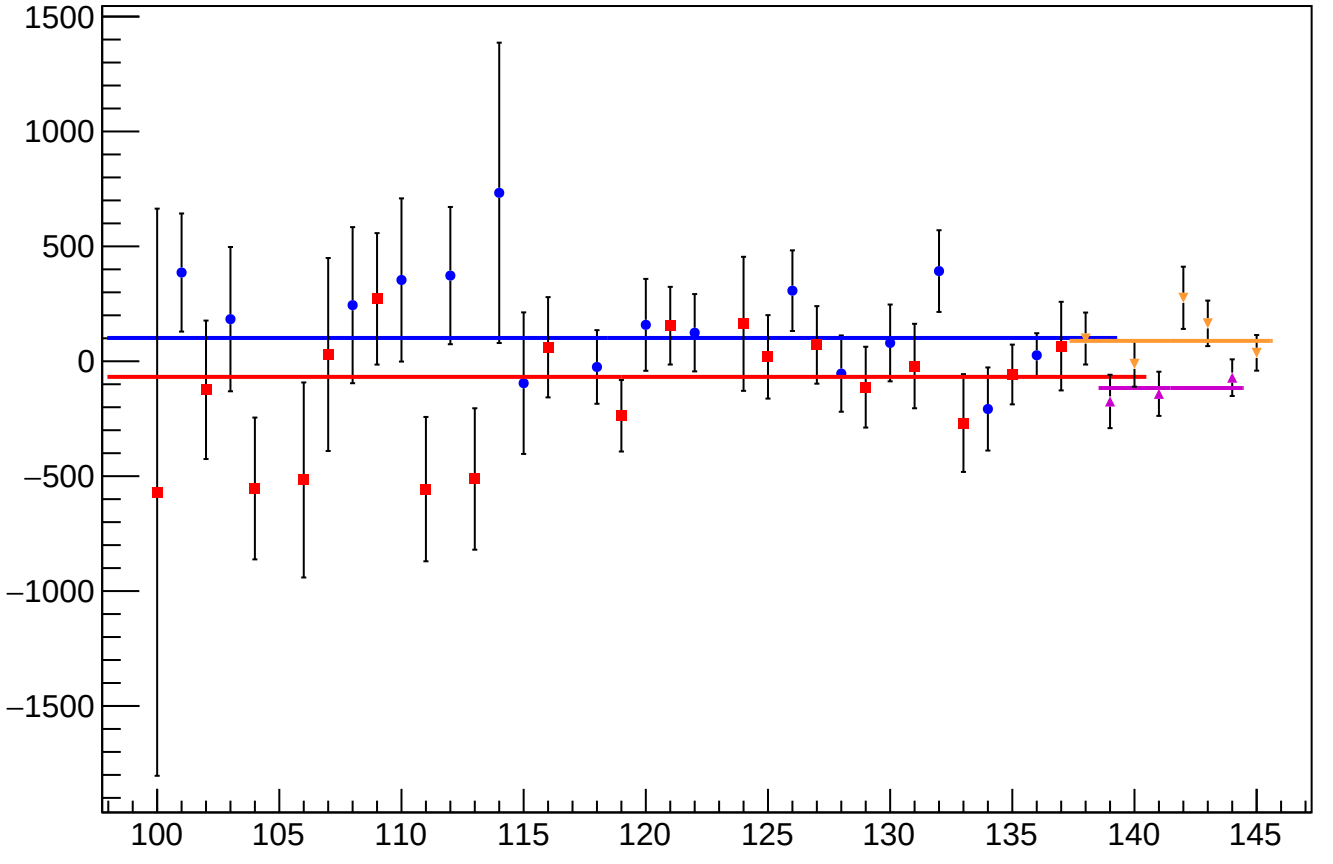
Left In: 476.685+/-0.220 χ^2/NDF:424797.8/2

+ sign 618.976+/-0.158 χ^2/NDF: 6260647.5/20

All: 652.668+/-0.121 χ^2/NDF: 12684419.1/42

- sign 700.938+/-0.189 χ^2/NDF: 6313325.6/21

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

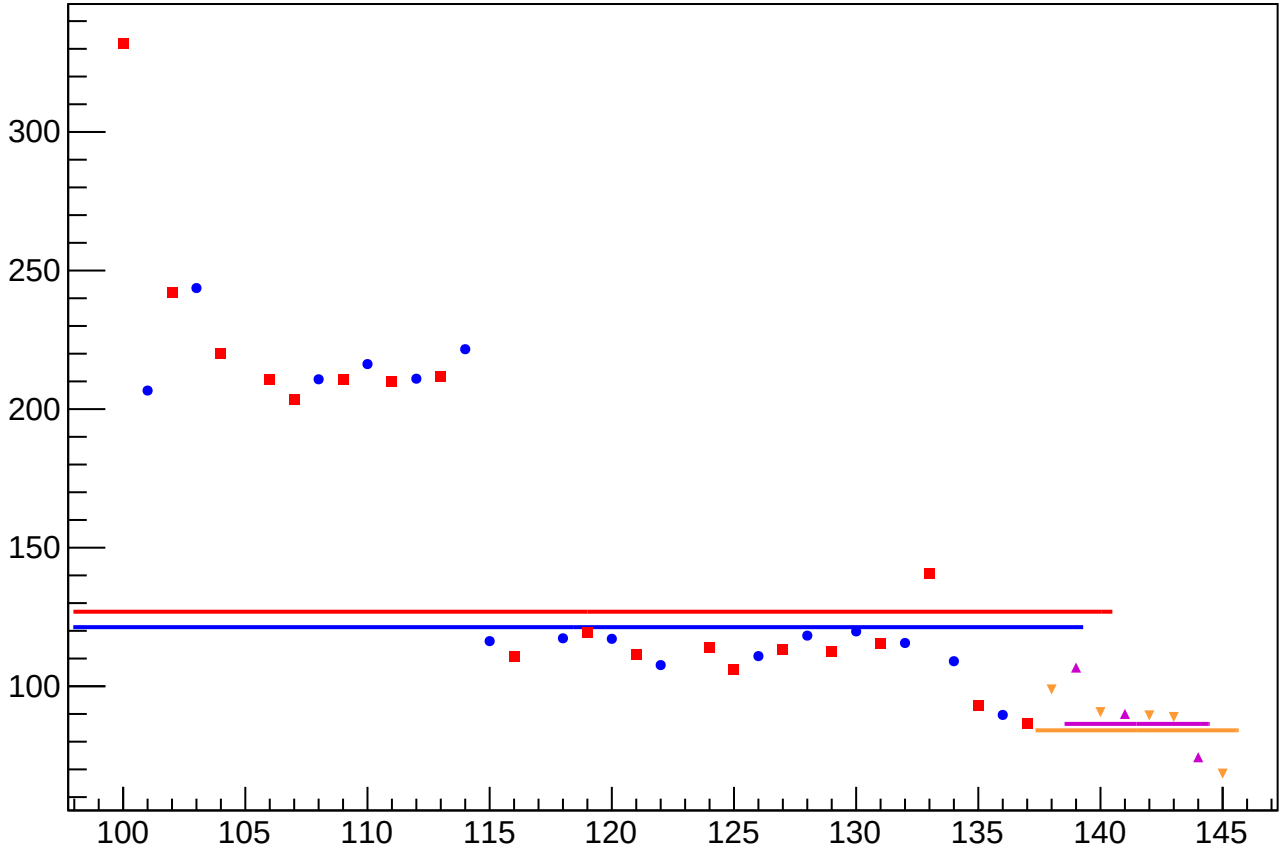
Left In: -116.248+/-54.258 χ^2/NDF:0.6/2

+ sign 94.688+/-32.560 χ^2/NDF: 17.4/20

All: 12.948+/-24.297 χ^2/NDF: 48.7/42

- sign -89.770+/-36.500 χ^2/NDF: 17.2/21

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

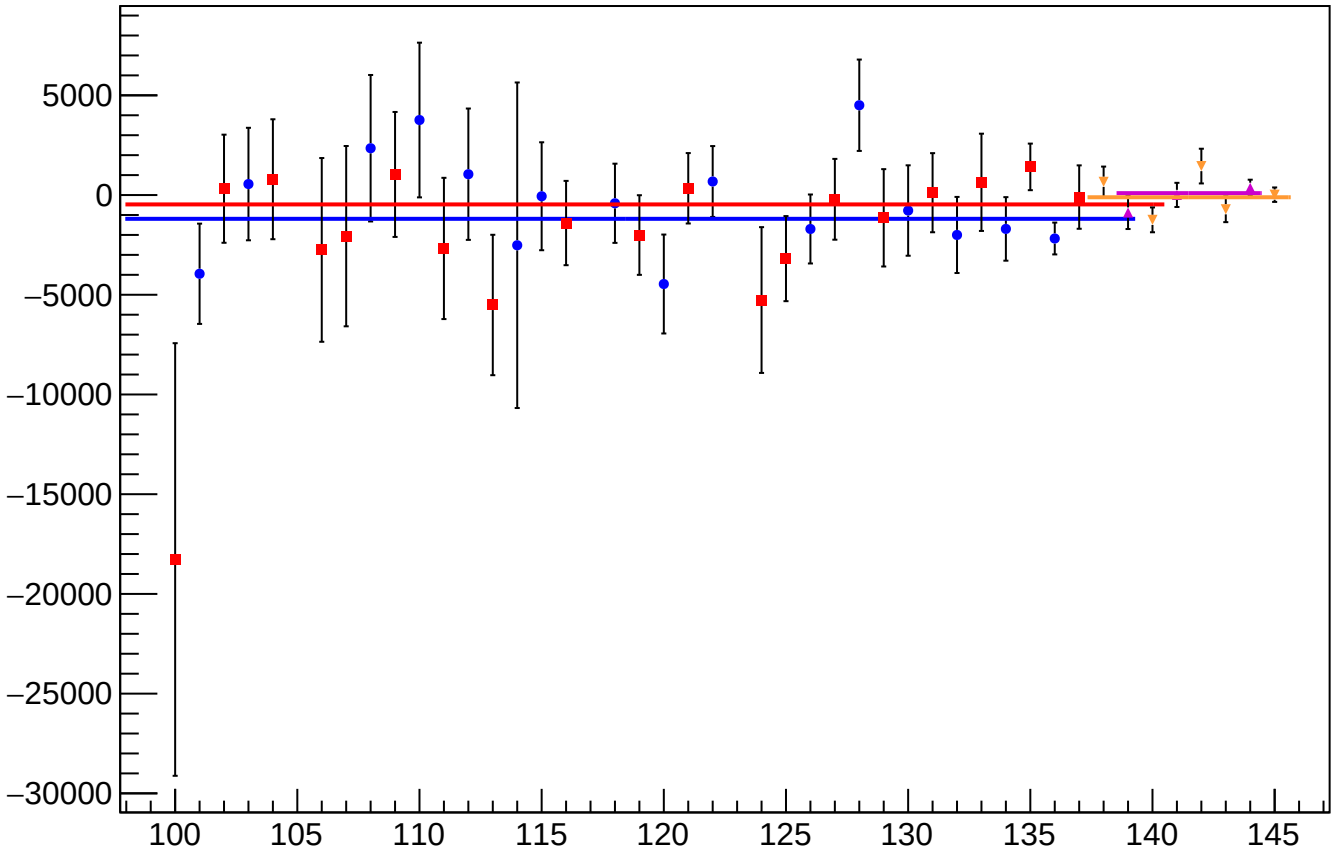
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.422+/-0.038 χ^2/NDF:109590.1/2

+ sign 101.496+/-0.023 χ^2/NDF: 2069299.9/20

All: 104.635+/-0.017 χ^2/NDF: 4295560.1/42

- sign 108.579+/-0.026 χ^2/NDF: 2184318.4/21



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

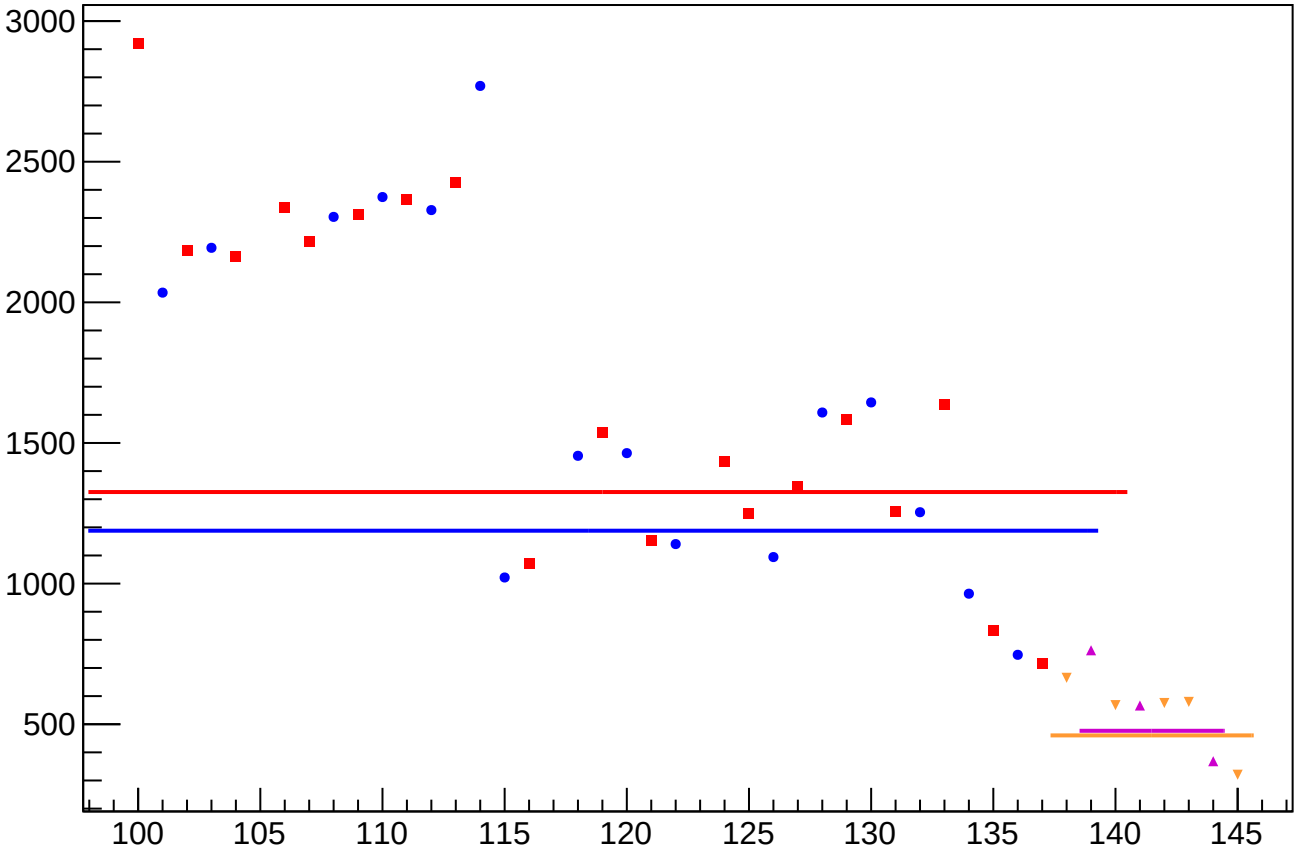
Left In: 95.310+/-311.816 χ^2/NDF:1.8/2

+ sign -346.741+/-223.619 χ^2/NDF: 28.5/20

All: -226.109+/-171.625 χ^2/NDF: 45.2/42

- sign -53.203+/-267.720 χ^2/NDF: 16.1/21

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

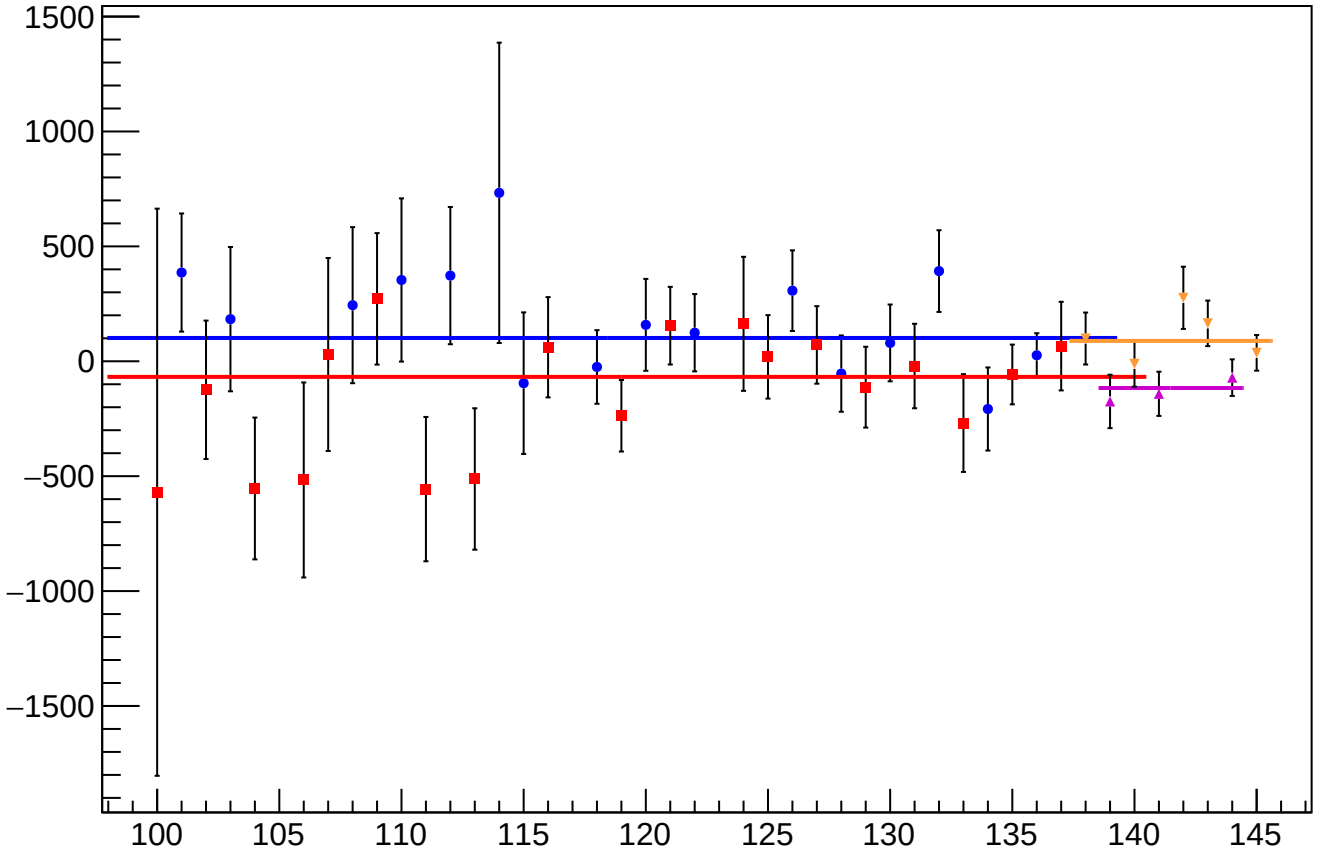
Left In: 476.686+/-0.220 χ^2/NDF:424797.7/2

+ sign 618.975+/-0.158 χ^2/NDF: 6260681.6/20

All: 652.191+/-0.121 χ^2/NDF: 12609734.8/42

- sign 699.800+/-0.189 χ^2/NDF: 6241677.5/21

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

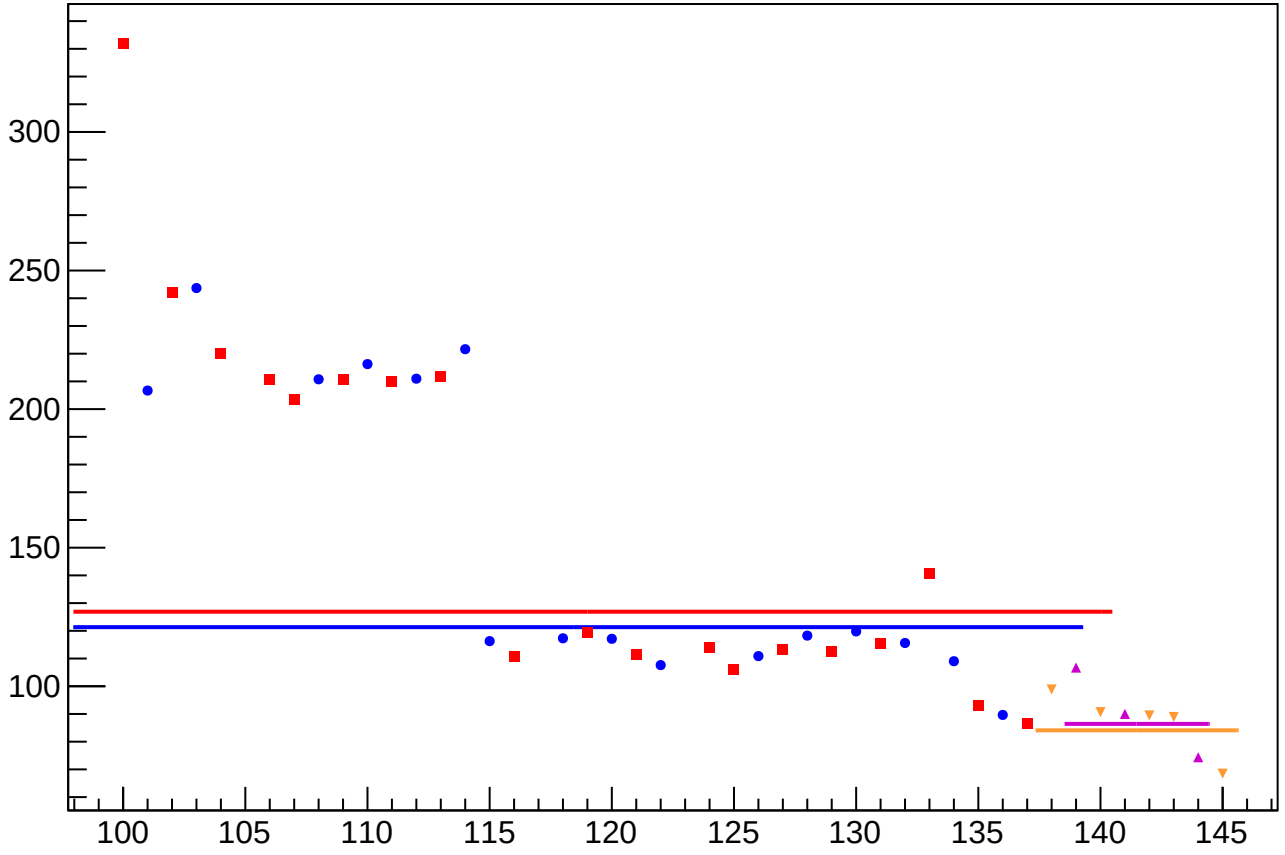
Left In: -116.248+/-54.258 χ^2/NDF:0.6/2

+ sign 94.688+/-32.560 χ^2/NDF: 17.4/20

All: 12.948+/-24.297 χ^2/NDF: 48.7/42

- sign -89.770+/-36.500 χ^2/NDF: 17.2/21

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

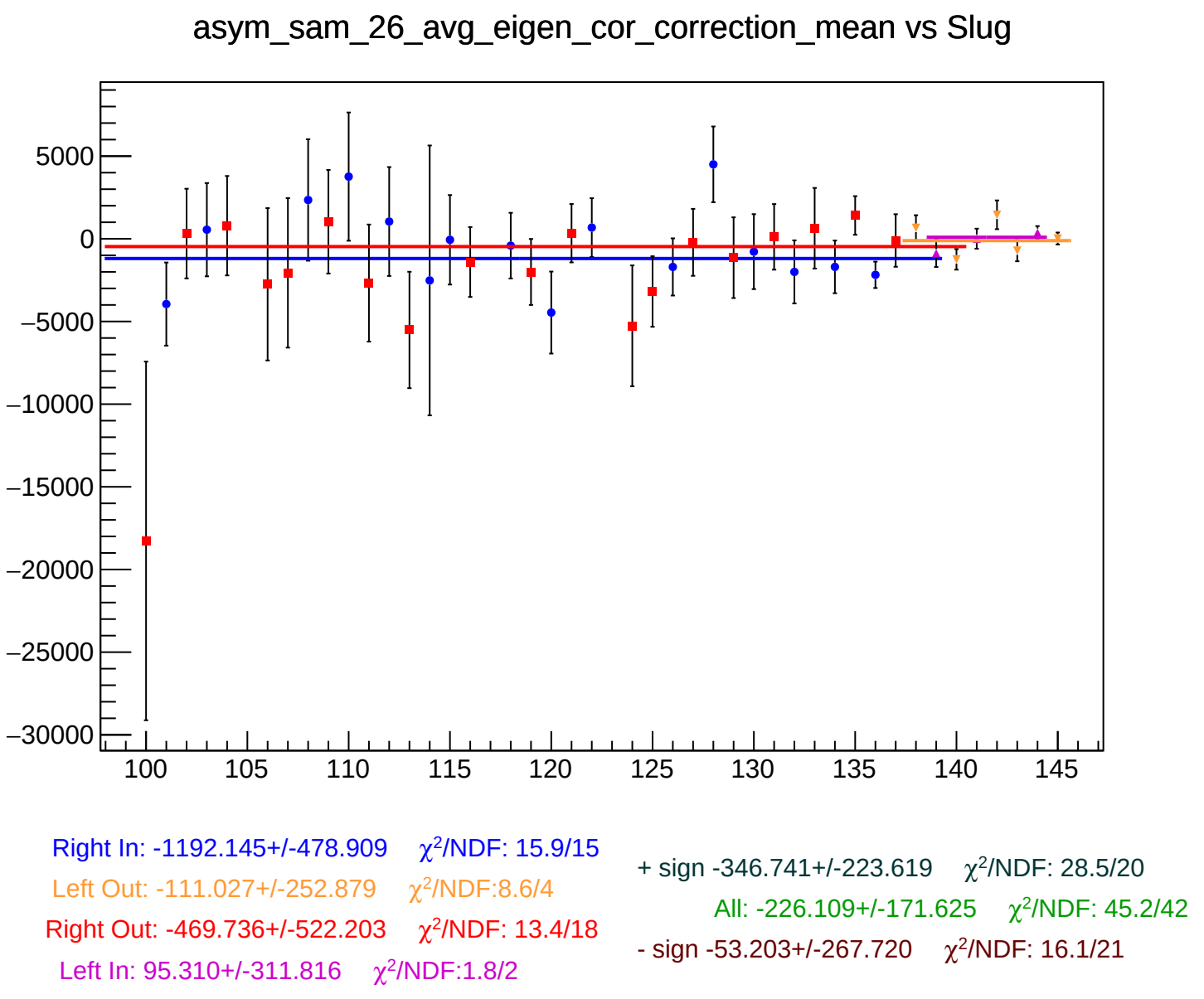
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.422+/-0.038 χ^2/NDF:109590.1/2

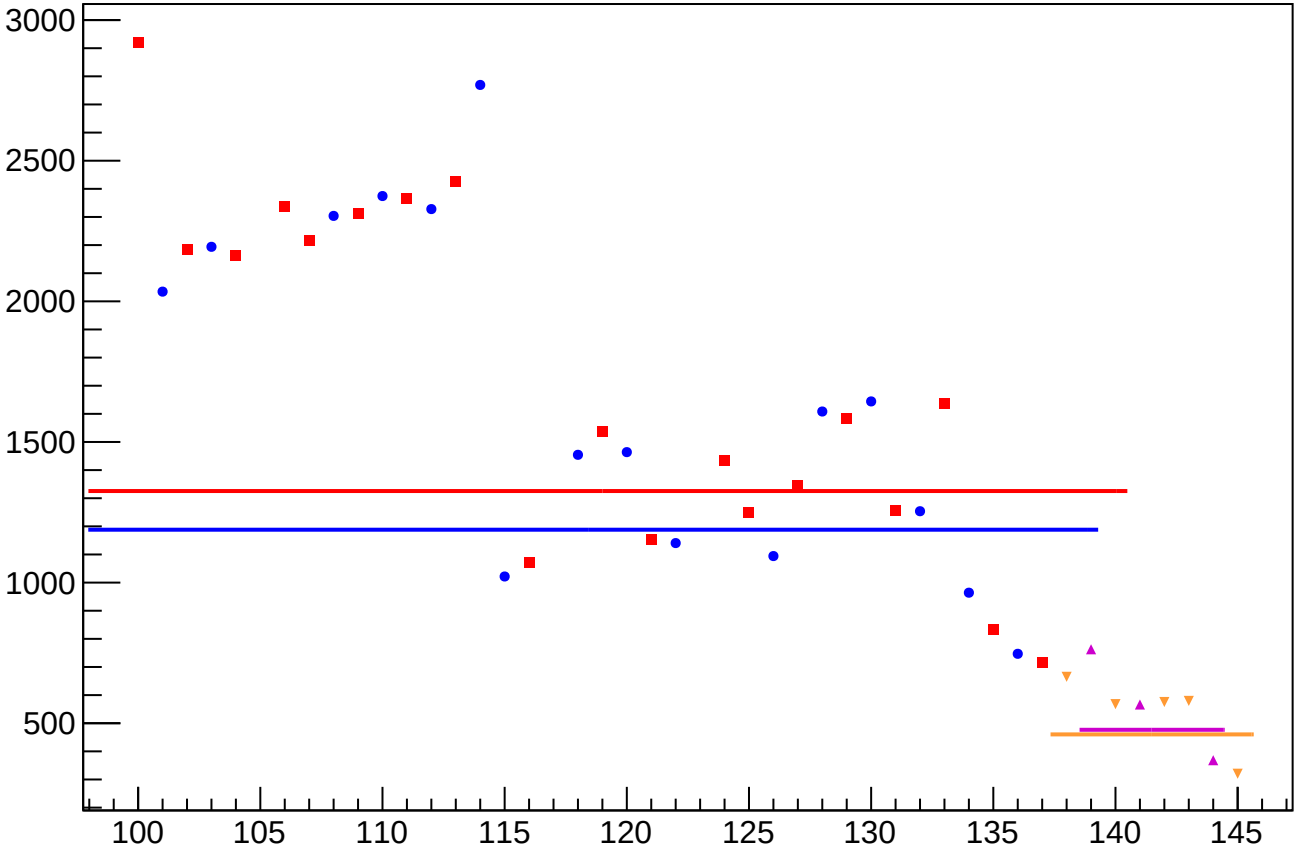
+ sign 101.496+/-0.023 χ^2/NDF: 2069299.9/20

All: 104.635+/-0.017 χ^2/NDF: 4295560.1/42

- sign 108.579+/-0.026 χ^2/NDF: 2184318.4/21


asym_sam_26_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -111.027+/-252.879 χ²/NDF:8.6/4
Right Out: -469.736+/-522.203 χ²/NDF: 13.4/18
Left In: 95.310+/-311.816 χ²/NDF:1.8/2
+ sign -346.741+/-223.619 χ²/NDF: 28.5/20
All: -226.109+/-171.625 χ²/NDF: 45.2/42
- sign -53.203+/-267.720 χ²/NDF: 16.1/21

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

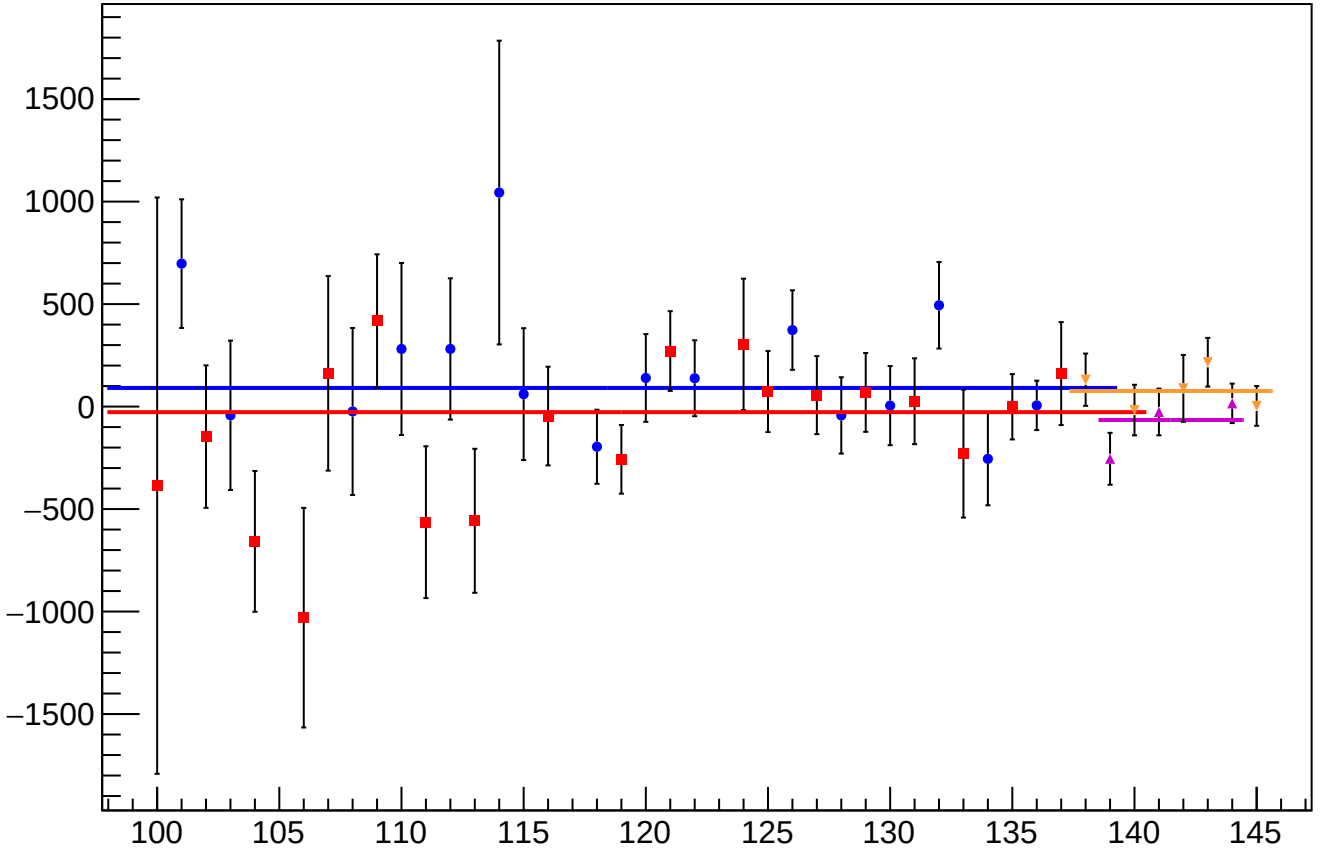
Left In: 476.686+/-0.220 χ^2/NDF:424797.7/2

+ sign 618.975+/-0.158 χ^2/NDF: 6260681.6/20

All: 652.191+/-0.121 χ^2/NDF: 12609734.8/42

- sign 699.800+/-0.189 χ^2/NDF: 6241677.5/21

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

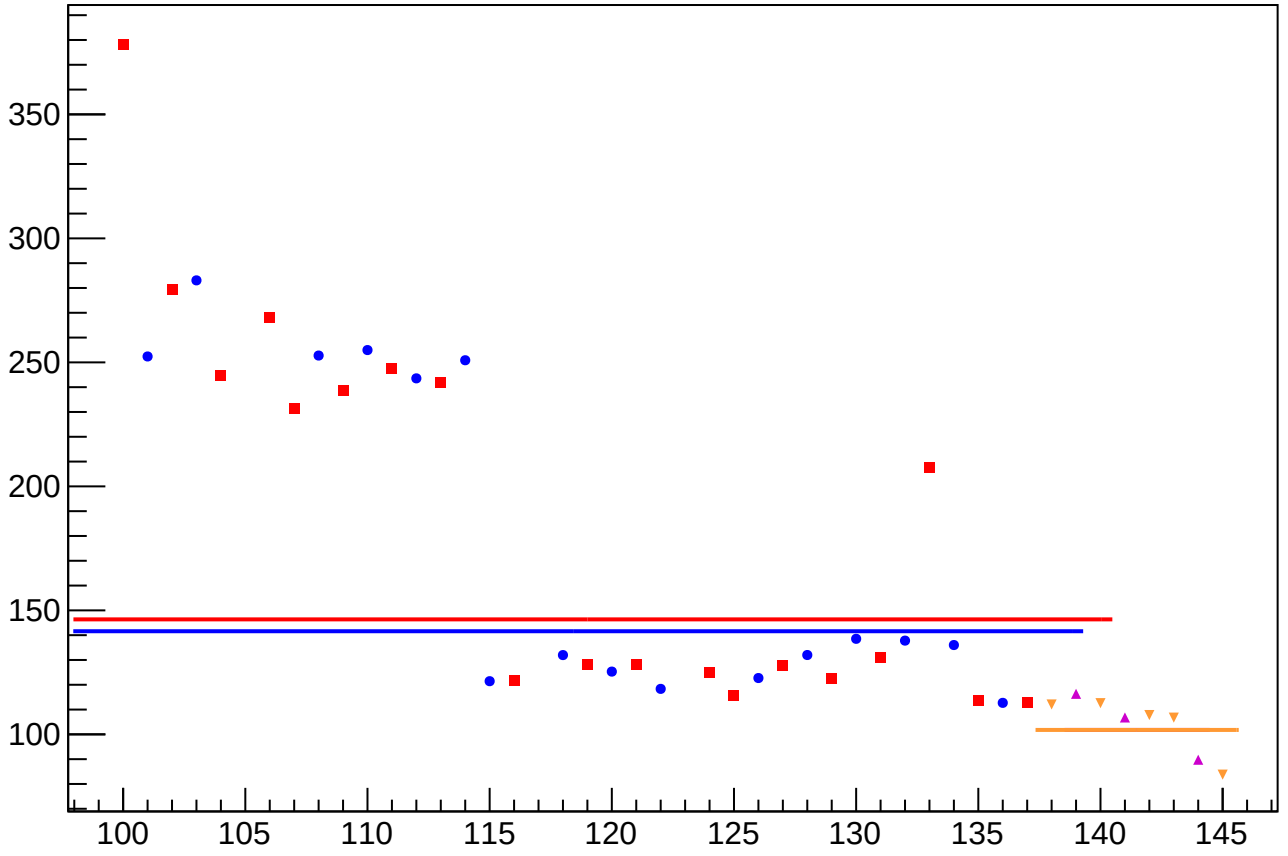
Left In: -65.511+/-63.568 χ^2/NDF:3.1/2

+ sign 83.189+/-38.756 χ^2/NDF: 20.8/20

All: 25.240+/-28.620 χ^2/NDF: 49.6/42

- sign -44.263+/-42.444 χ^2/NDF: 23.8/21

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

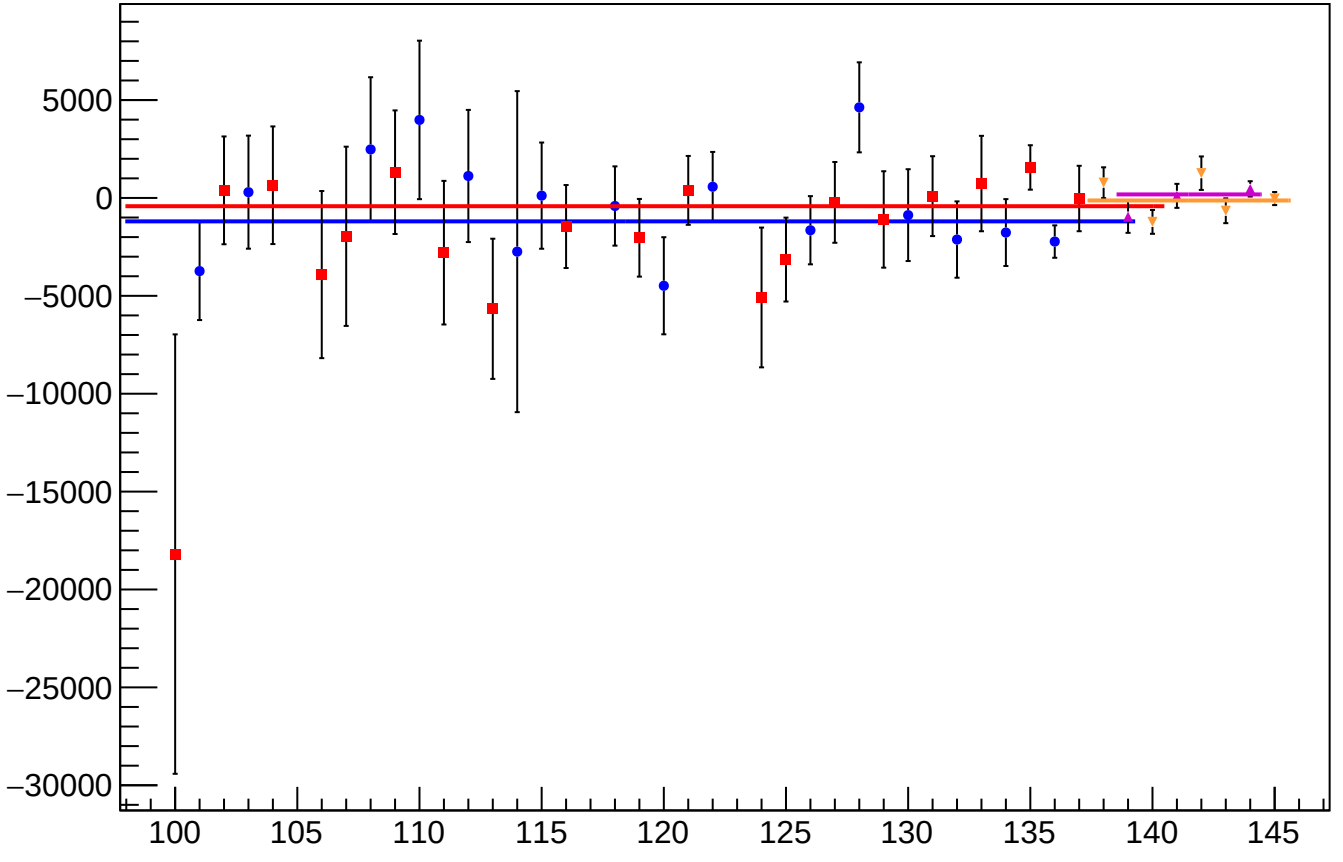
Left In: 101.784+/-0.045 χ^2/NDF:61537.3/2

+ sign 121.150+/-0.027 χ^2/NDF: 1892776.1/20

All: 123.579+/-0.020 χ^2/NDF: 4030466.1/42

- sign 126.492+/-0.030 χ^2/NDF: 2120413.0/21

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

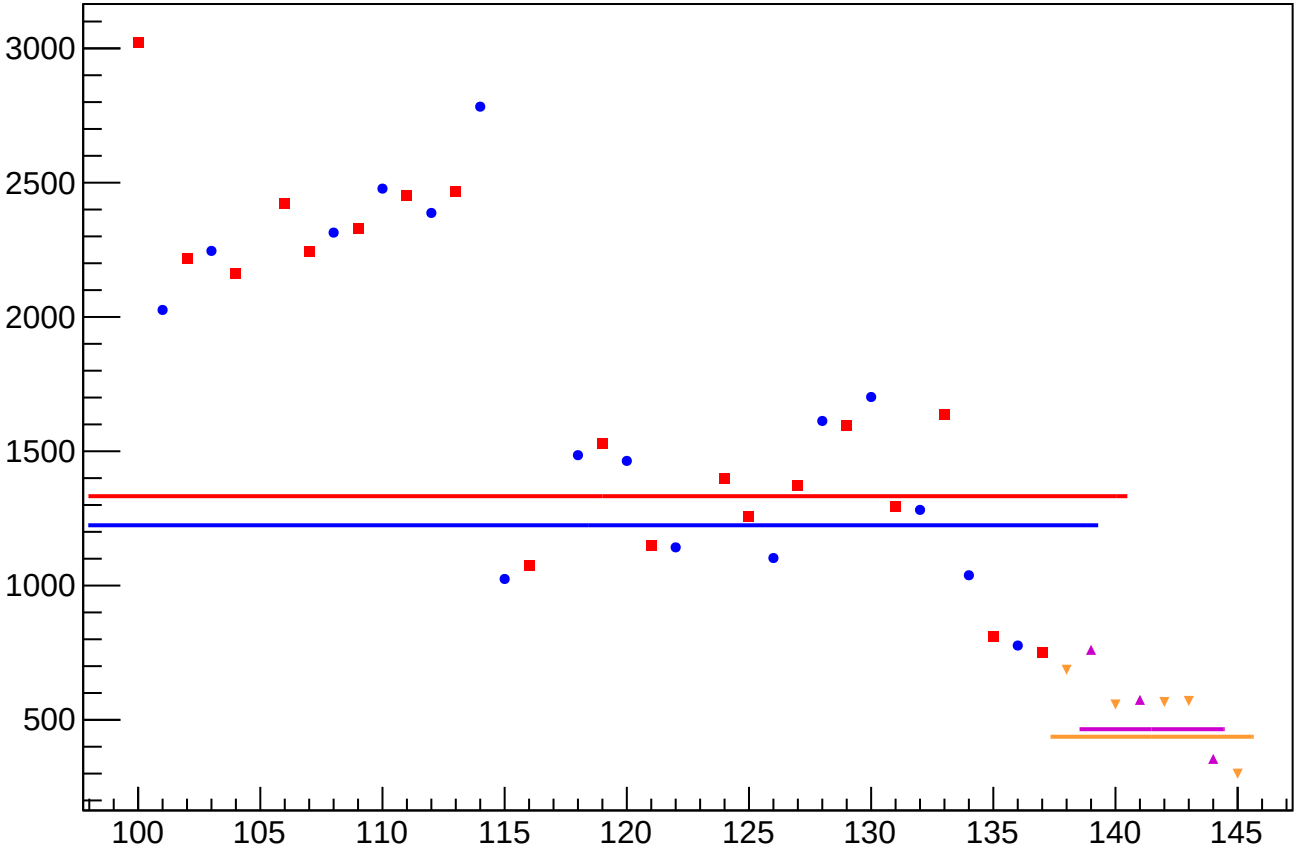
Left In: 180.143+/-306.271 χ^2/NDF:2.4/2

+ sign -336.825+/-216.801 χ^2/NDF: 27.8/20

All: -190.670+/-167.646 χ^2/NDF: 46.6/42

- sign 26.703+/-264.396 χ^2/NDF: 17.7/21

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

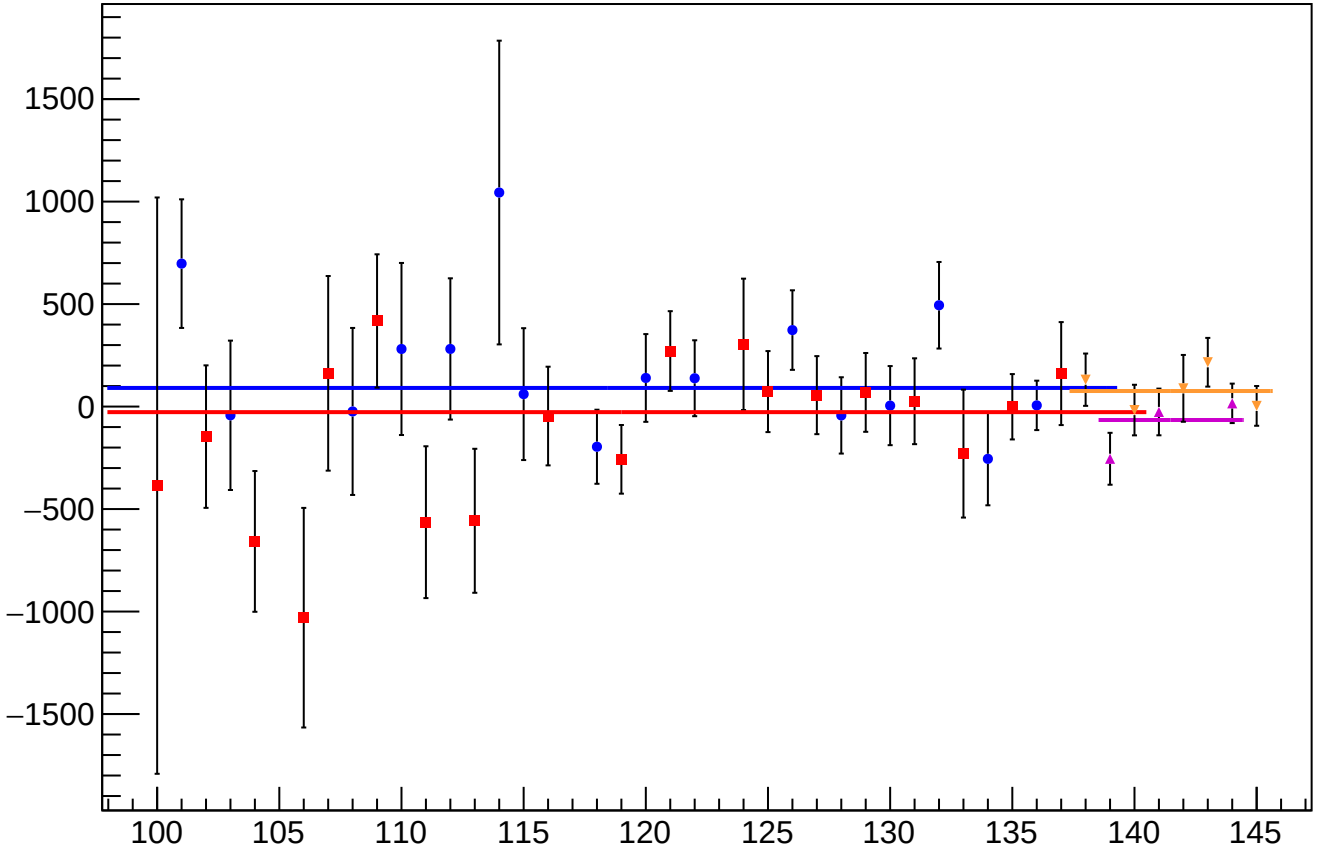
Left In: 465.219+/-0.217 χ^2/NDF:477980.0/2

+ sign 590.450+/-0.153 χ^2/NDF: 6846717.8/20

All: 628.961+/-0.119 χ^2/NDF: 13564799.6/42

- sign 686.236+/-0.187 χ^2/NDF: 6561122.5/21

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

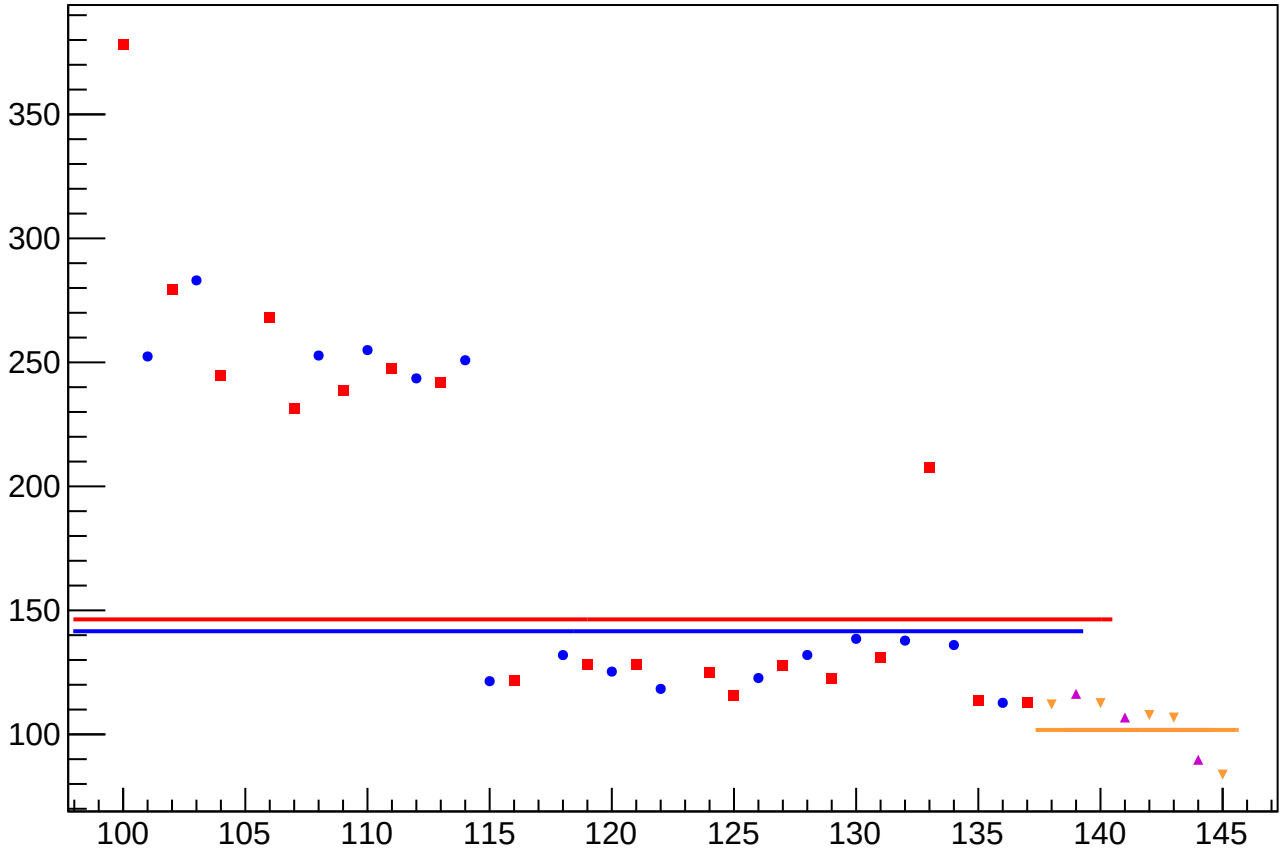
Left In: -65.511+/-63.568 χ^2/NDF:3.1/2

+ sign 83.189+/-38.756 χ^2/NDF: 20.8/20

All: 25.240+/-28.620 χ^2/NDF: 49.6/42

- sign -44.263+/-42.444 χ^2/NDF: 23.8/21

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

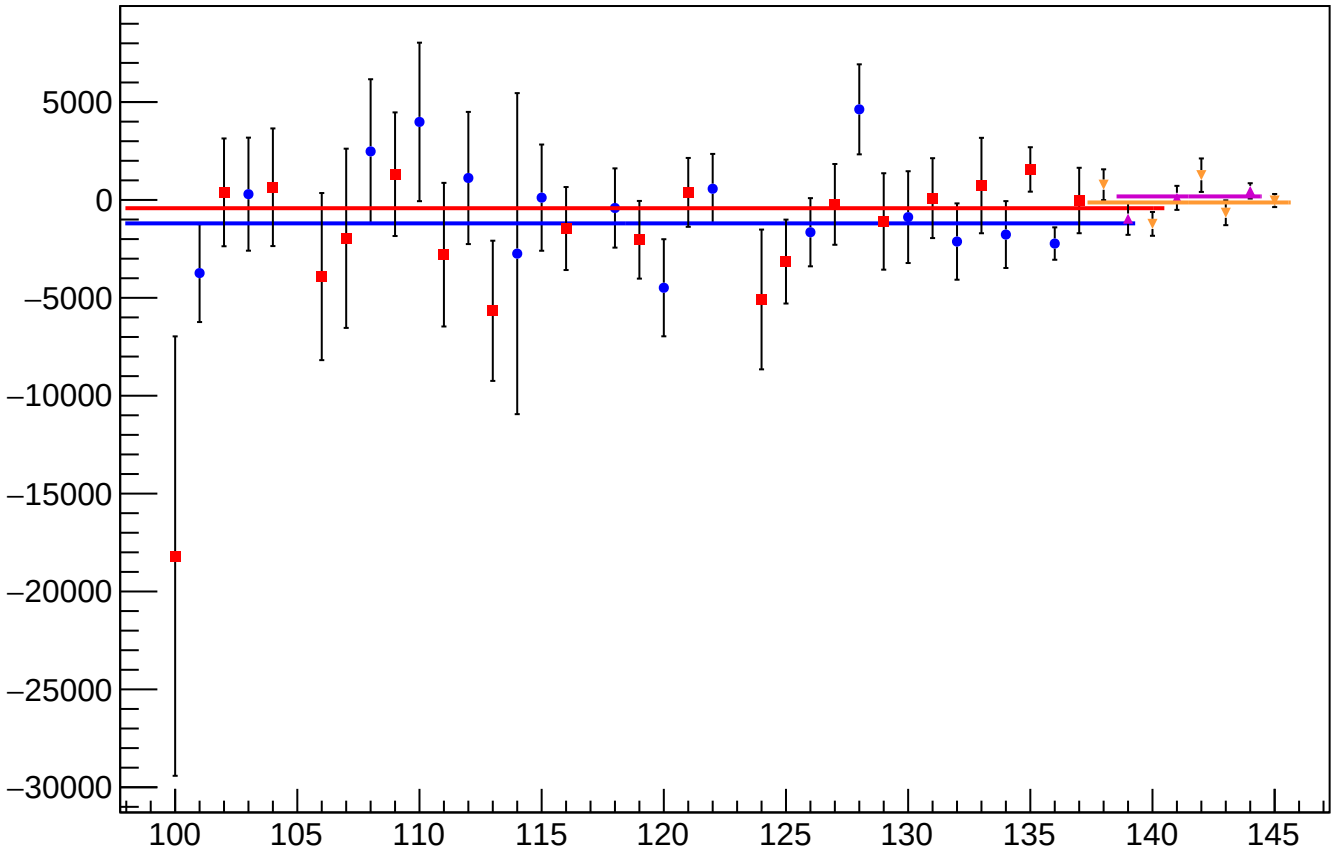
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 101.785+/-0.045 χ^2/NDF:61535.2/2

+ sign 121.150+/-0.027 χ^2/NDF: 1892719.1/20

All: 123.579+/-0.020 χ^2/NDF: 4030368.4/42

- sign 126.492+/-0.030 χ^2/NDF: 2120371.6/21



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

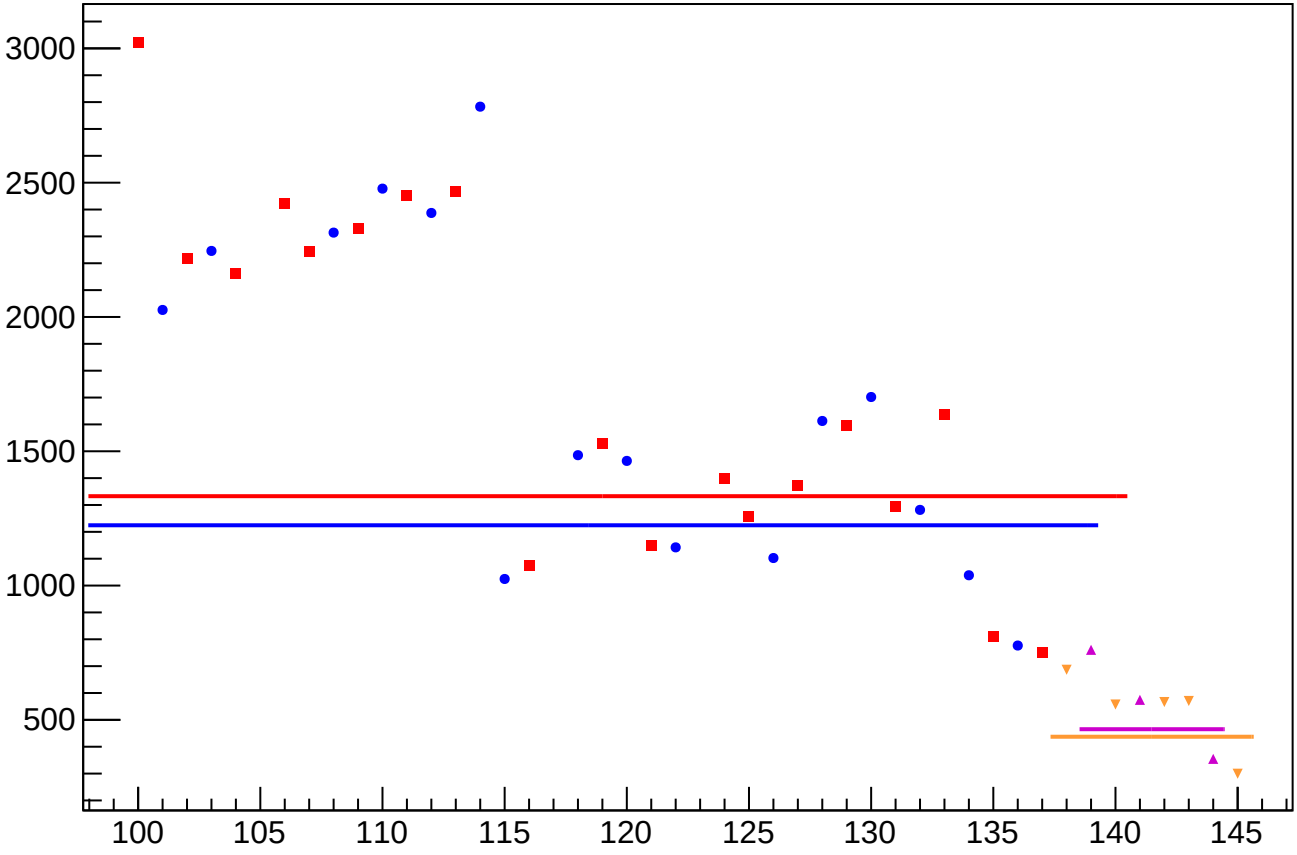
Left In: 180.143+/-306.270 χ^2/NDF:2.4/2

+ sign -336.824+/-216.800 χ^2/NDF: 27.8/20

All: -190.670+/-167.646 χ^2/NDF: 46.6/42

- sign 26.702+/-264.396 χ^2/NDF: 17.7/21

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



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

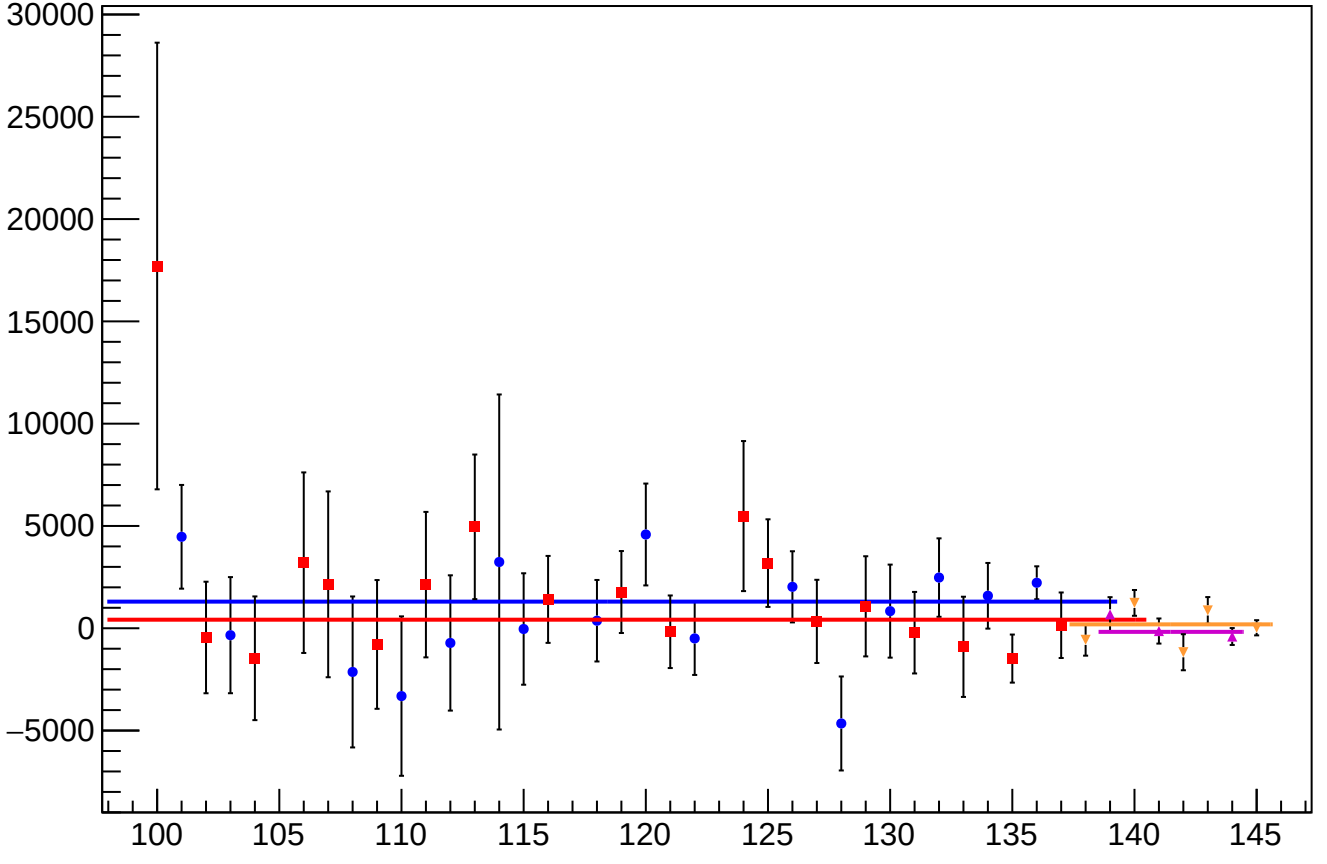
Left In: 465.218+/-0.217 χ^2/NDF:477983.3/2

+ sign 590.447+/-0.153 χ^2/NDF: 6846754.3/20

All: 628.958+/-0.119 χ^2/NDF: 13564849.0/42

- sign 686.234+/-0.187 χ^2/NDF: 6561130.5/21

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

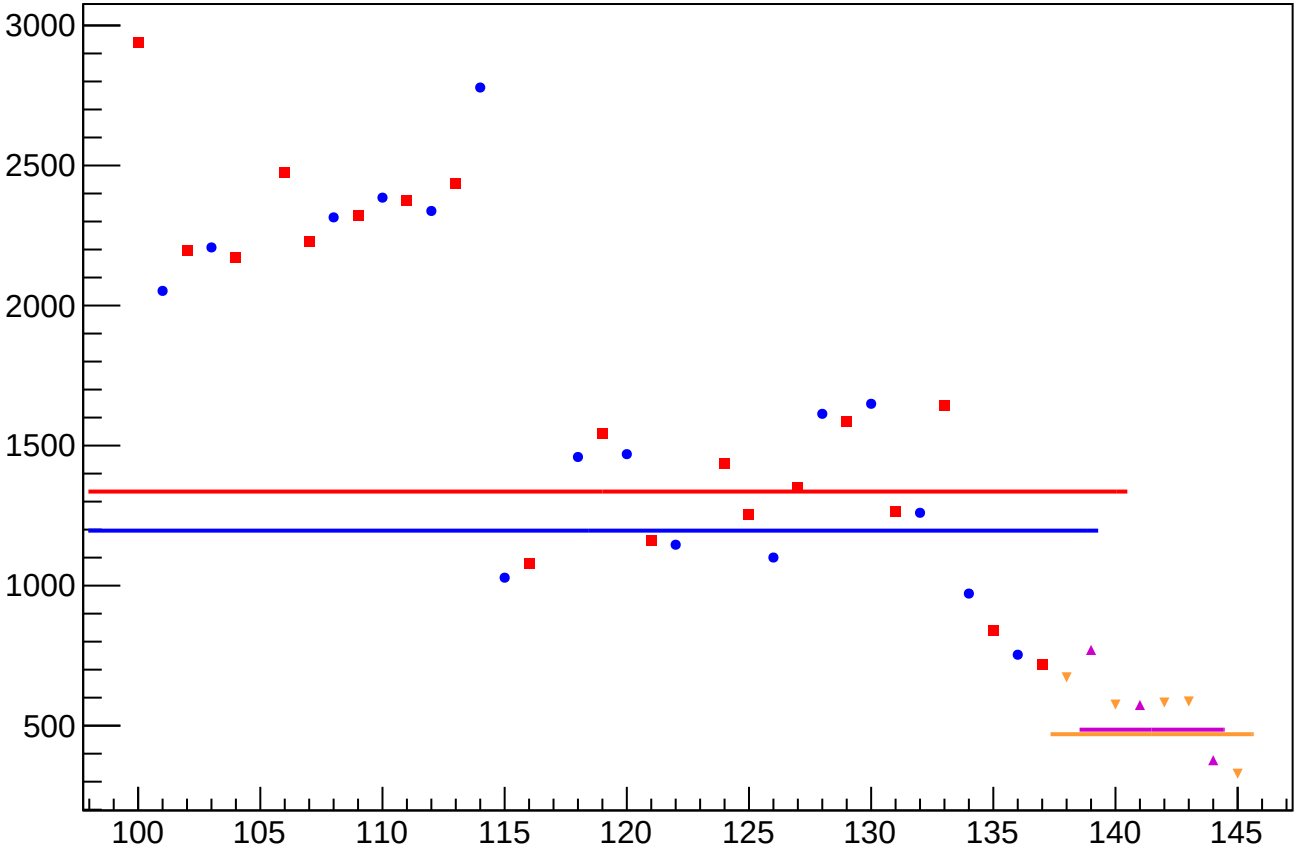
Left In: -176.809+/-317.135 χ^2/NDF:1.4/2

+ sign 437.064+/-227.072 χ^2/NDF: 28.0/20

All: 249.876+/-174.152 χ^2/NDF: 45.0/42

- sign -17.499+/-271.386 χ^2/NDF: 15.3/21

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

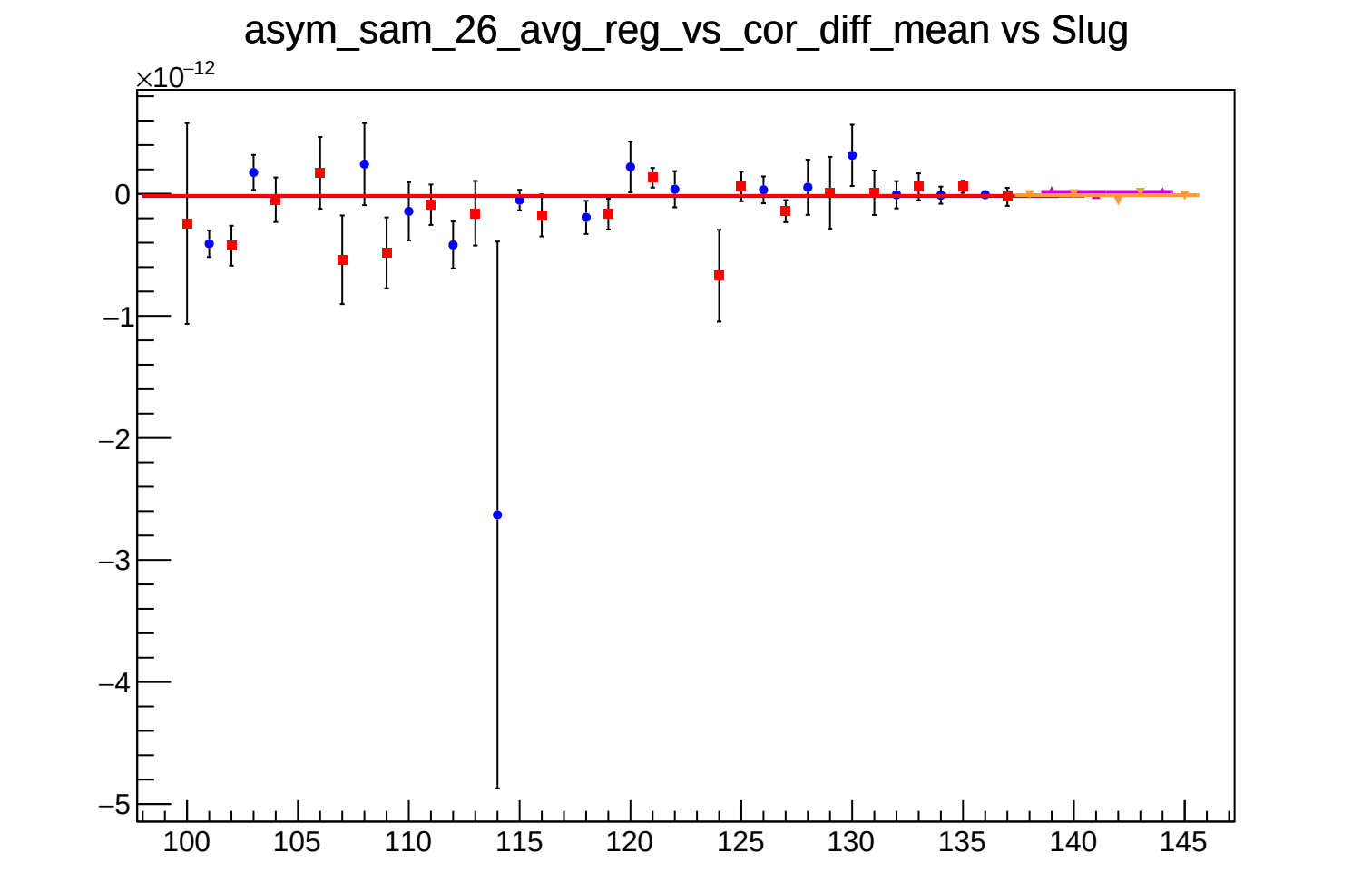
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 485.695+/-0.224 χ^2/NDF:411529.9/2

+ sign 630.848+/-0.161 χ^2/NDF: 6150985.6/20

All: 664.791+/-0.123 χ^2/NDF: 12469790.4/42

- sign 713.276+/-0.192 χ^2/NDF: 6210278.5/21



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

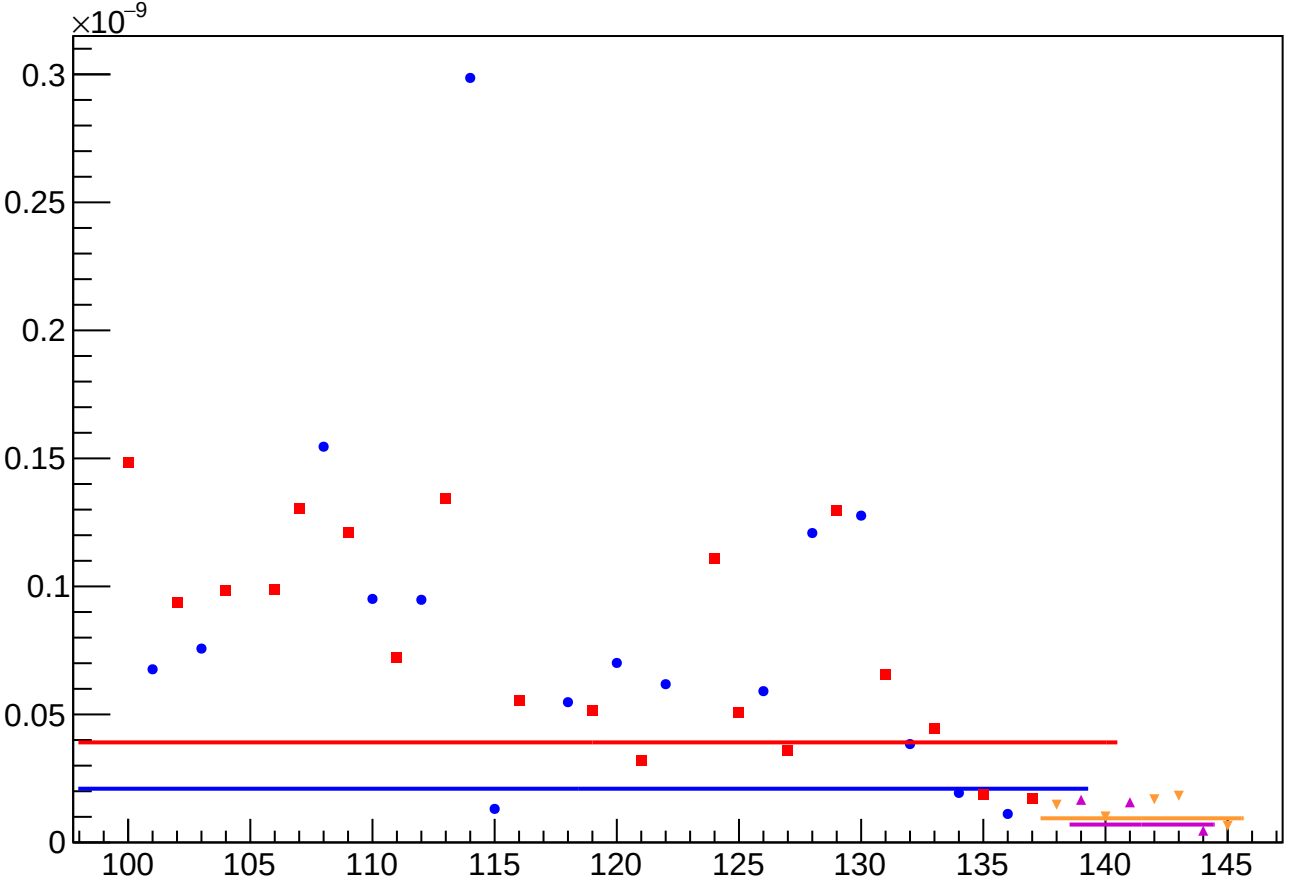
Left In: 0.000+/-0.000 χ^2/NDF:0.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/20

All: -0.000+/-0.000 χ^2/NDF: 62.4/42

- sign 0.000+/-0.000 χ^2/NDF: 27.6/21

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:498417.8/4

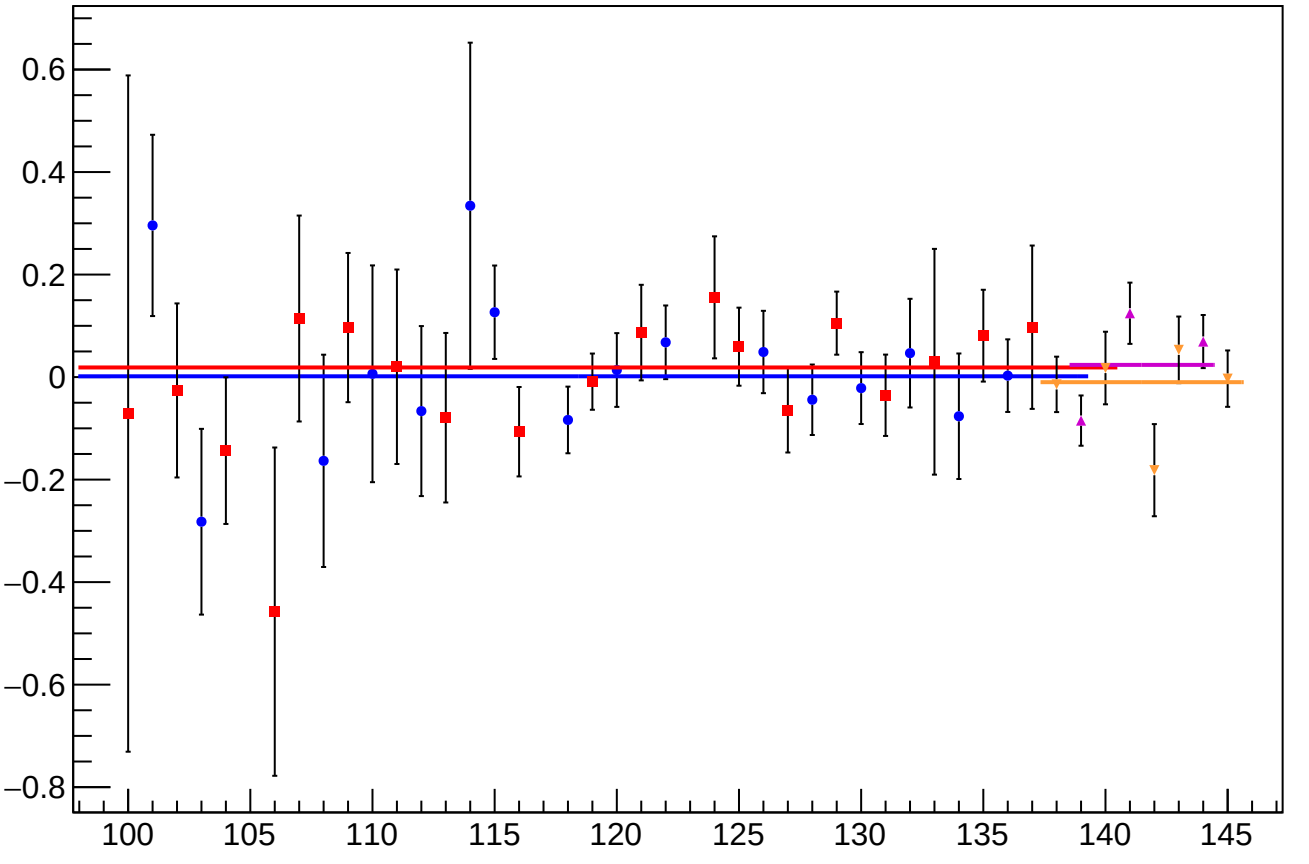
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:605875.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 4577729.0/20

All: 0.000+/-0.000 χ^2/NDF: 9772552.8/42

- sign 0.000+/-0.000 χ^2/NDF: 5151452.8/21



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

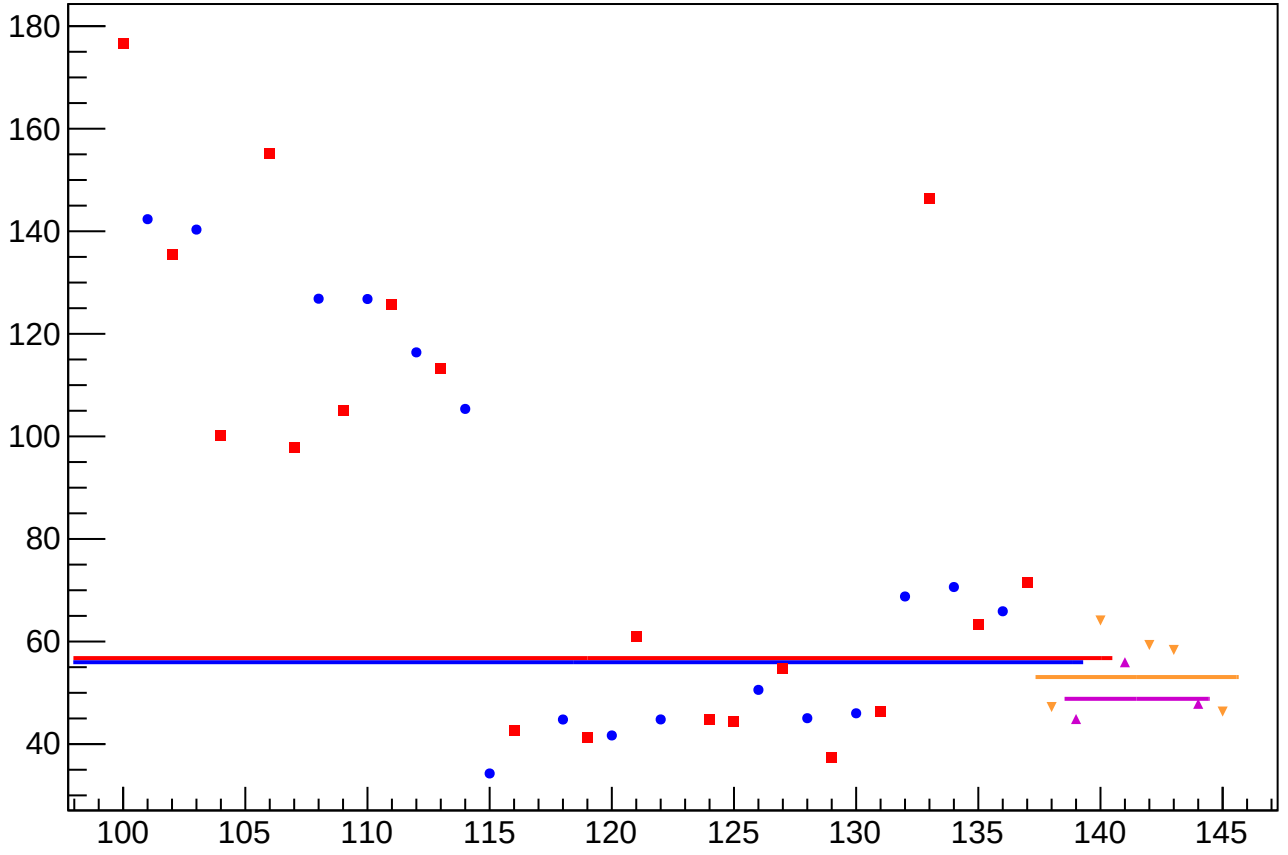
Left In: 0.024+/-0.031 χ^2/NDF:8.5/2

+ sign -0.003+/-0.018 χ^2/NDF: 17.9/20

All: 0.008+/-0.013 χ^2/NDF: 40.4/42

- sign 0.021+/-0.019 χ^2/NDF: 21.6/21

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

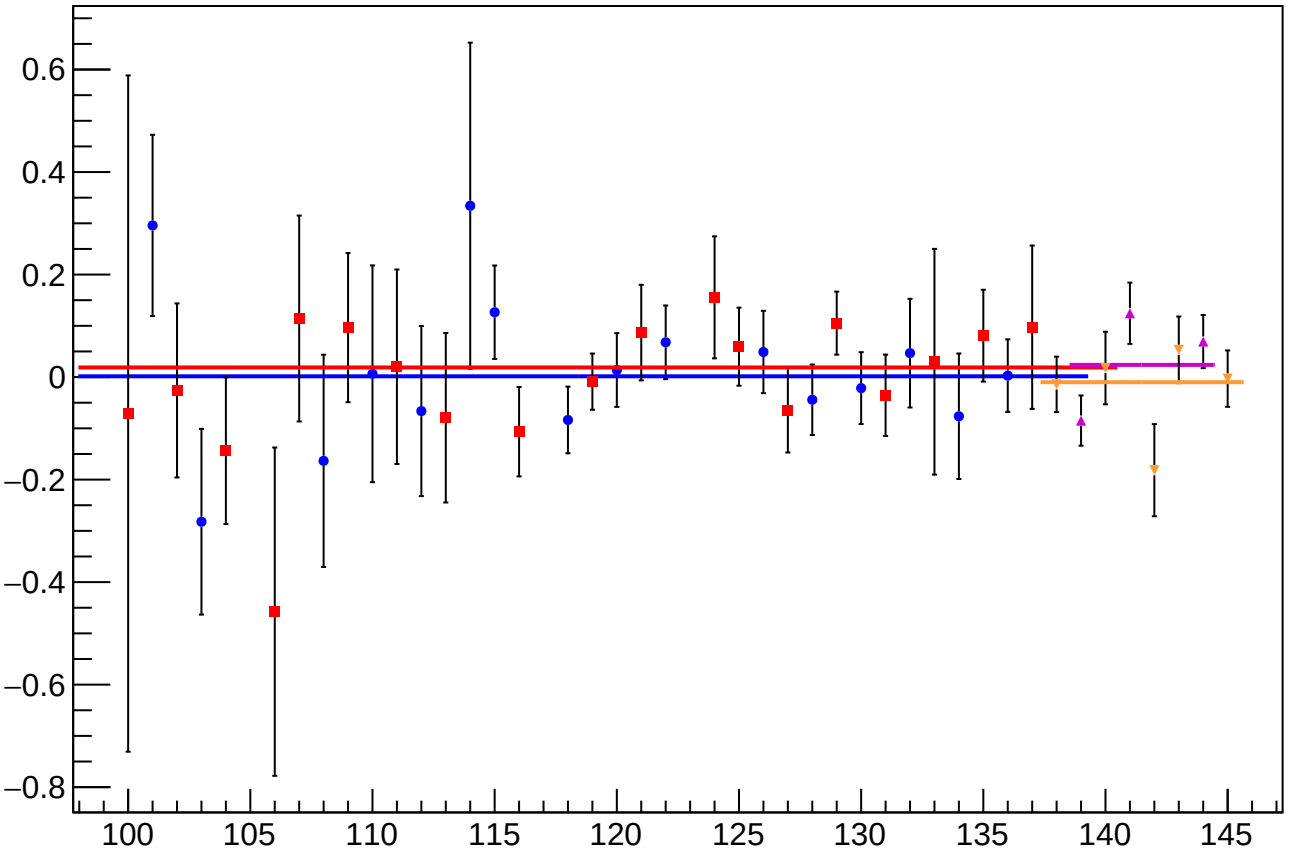
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 48.830+/-0.022 χ^2/NDF:42122.1/2

+ sign 54.801+/-0.013 χ^2/NDF: 2316911.4/20

All: 54.326+/-0.009 χ^2/NDF: 4999815.8/42

- sign 53.820+/-0.013 χ^2/NDF: 2680053.8/21



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.010+/-0.028 χ^2/NDF:4.8/4

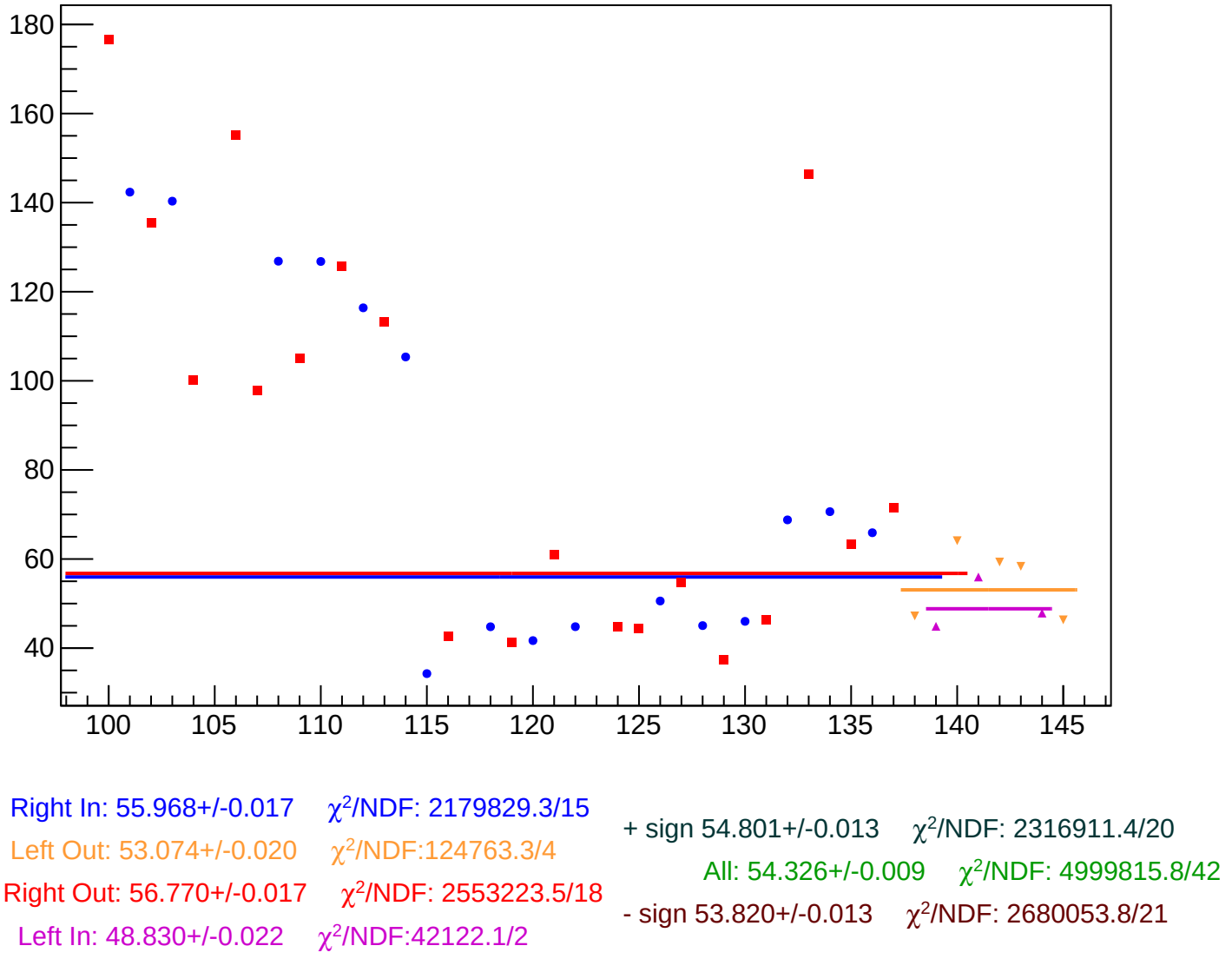
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

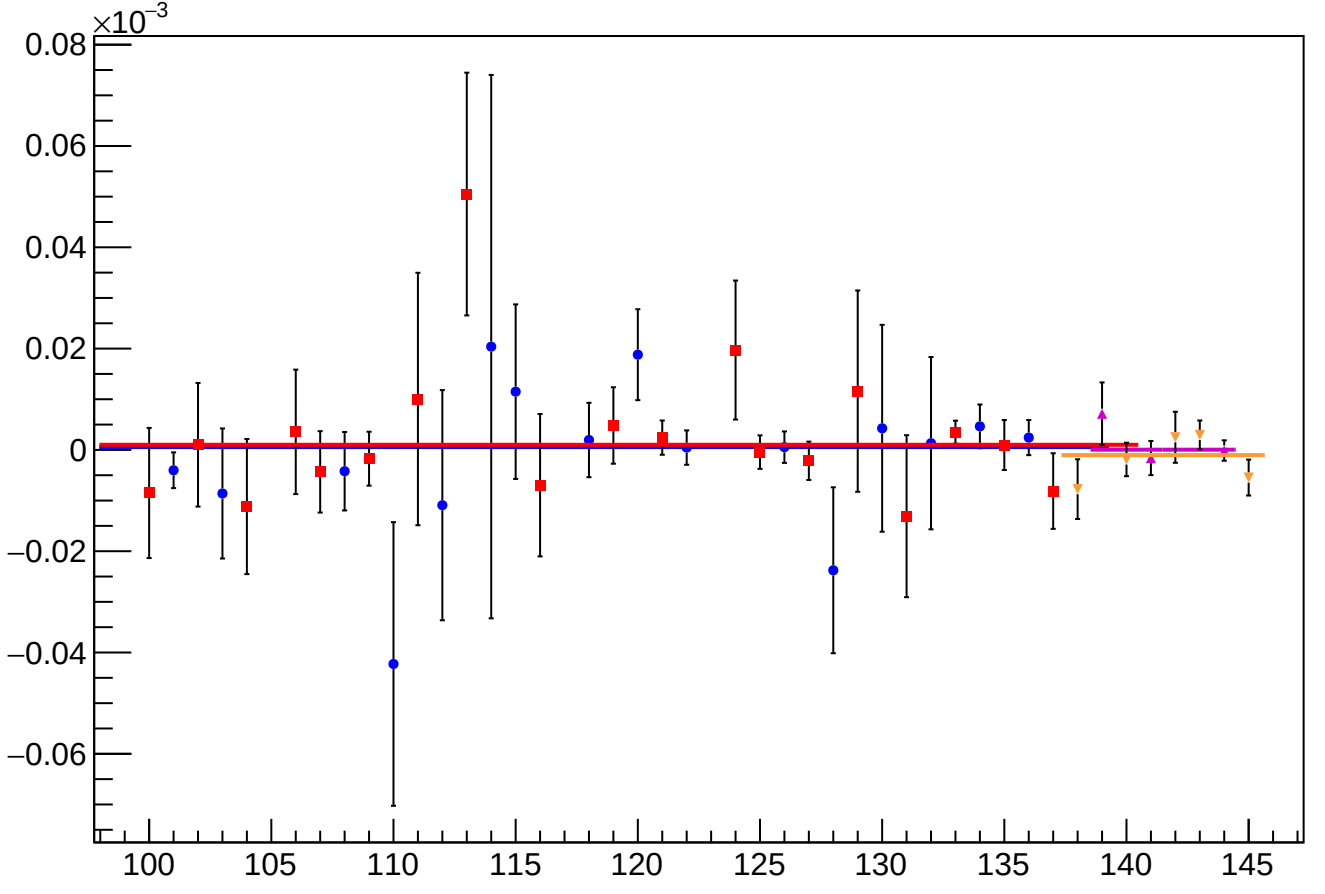
Left In: 0.024+/-0.031 χ^2/NDF:8.5/2

+ sign -0.003+/-0.018 χ^2/NDF: 17.9/20

All: 0.008+/-0.013 χ^2/NDF: 40.4/42

- sign 0.021+/-0.019 χ^2/NDF: 21.6/21


asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug
180
160
140
120
100
80
60
40
100
105
110
115
120
125
130
135
140
145
Right In: 55.968+/-0.017 χ²/NDF: 2179829.3/15
Left Out: 53.074+/-0.020 χ²/NDF:124763.3/4
Right Out: 56.770+/-0.017 χ²/NDF: 2553223.5/18
Left In: 48.830+/-0.022 χ²/NDF:42122.1/2
+ sign 54.801+/-0.013 χ²/NDF: 2316911.4/20
All: 54.326+/-0.009 χ²/NDF: 4999815.8/42
- sign 53.820+/-0.013 χ²/NDF: 2680053.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/4

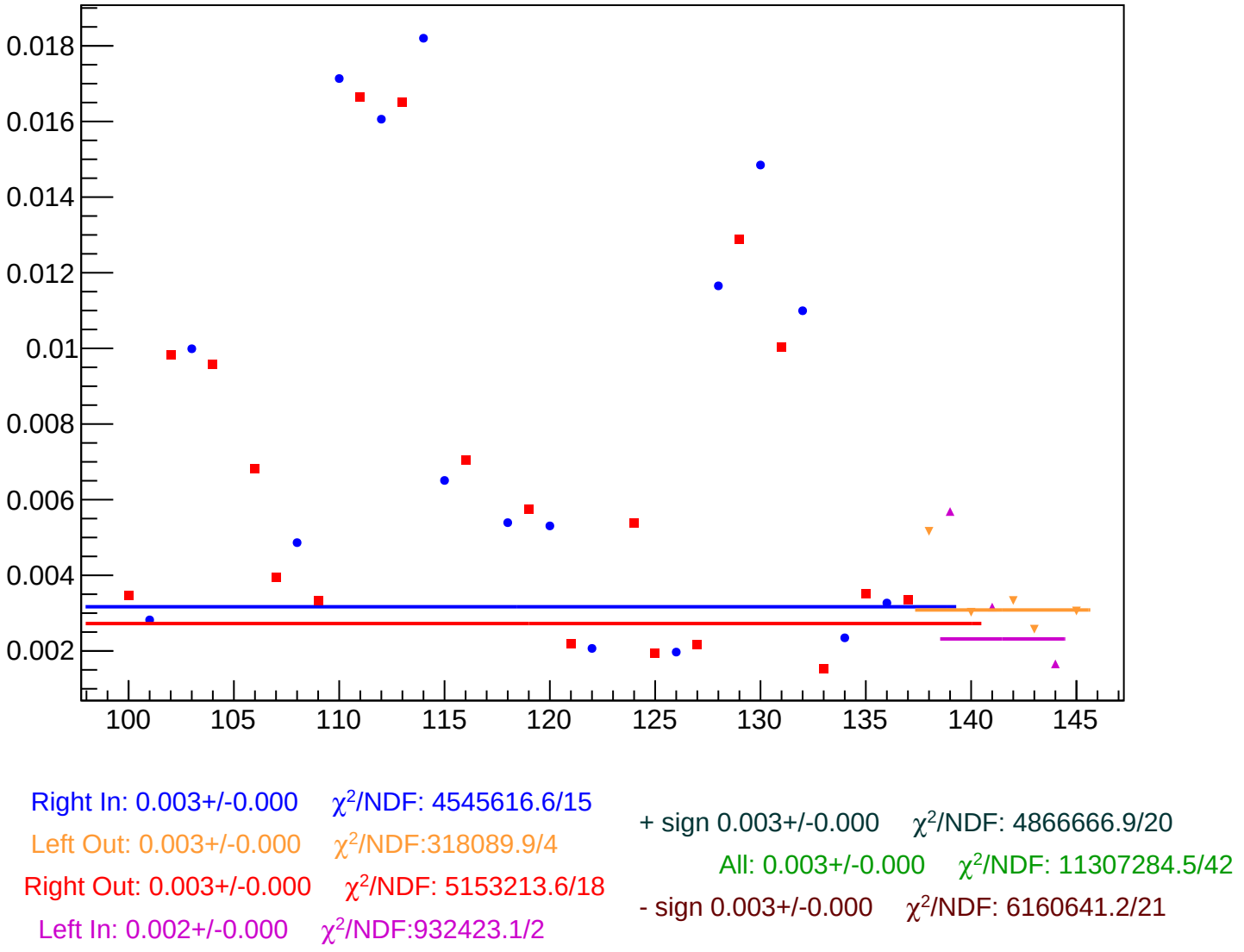
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

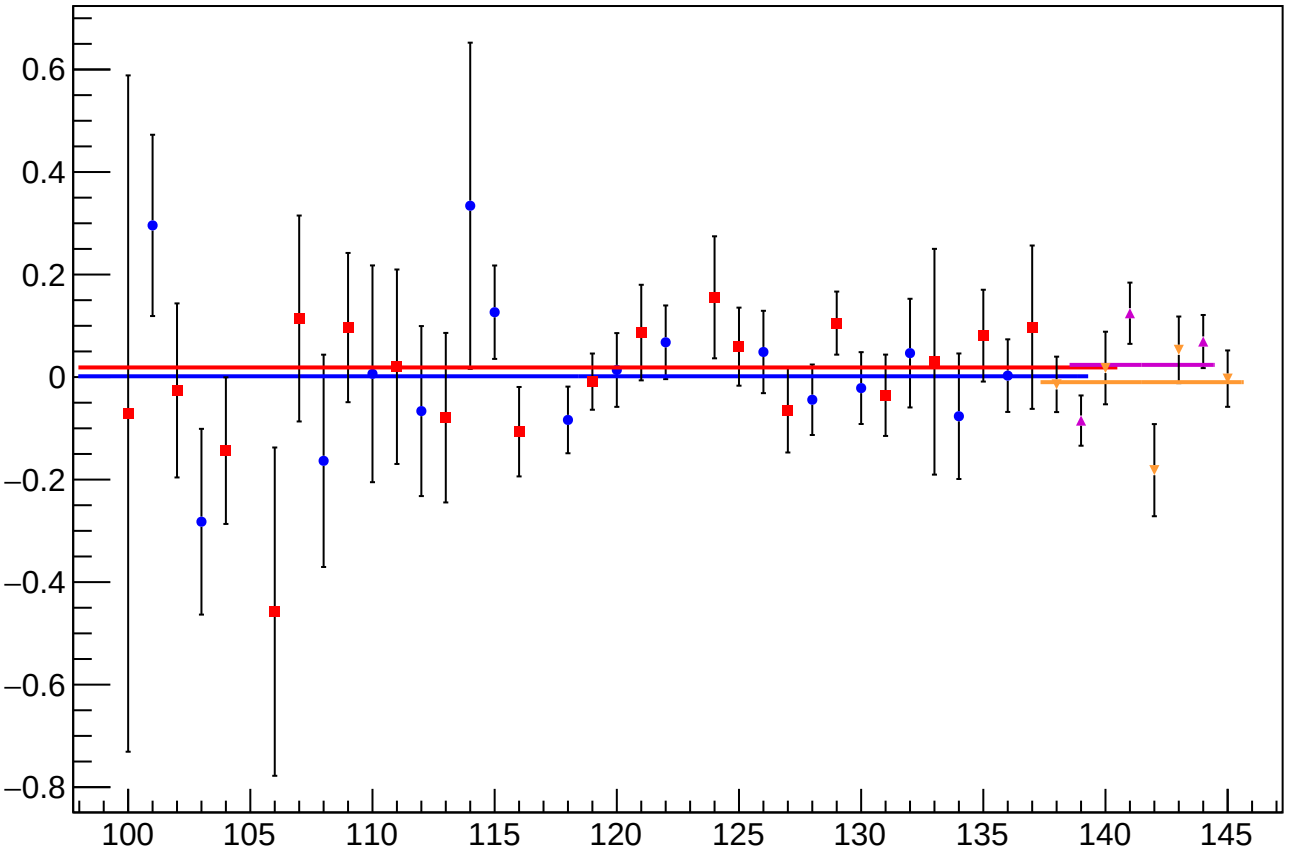
Left In: 0.000+/-0.000 χ^2/NDF:1.6/2

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/20

All: 0.000+/-0.000 χ^2/NDF: 35.0/42

- sign 0.000+/-0.000 χ^2/NDF: 15.6/21


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
140
145
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:318089.9/4
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.002+/-0.000 χ²/NDF:932423.1/2
+ sign 0.003+/-0.000 χ²/NDF: 4866666.9/20
All: 0.003+/-0.000 χ²/NDF: 11307284.5/42
- sign 0.003+/-0.000 χ²/NDF: 6160641.2/21



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

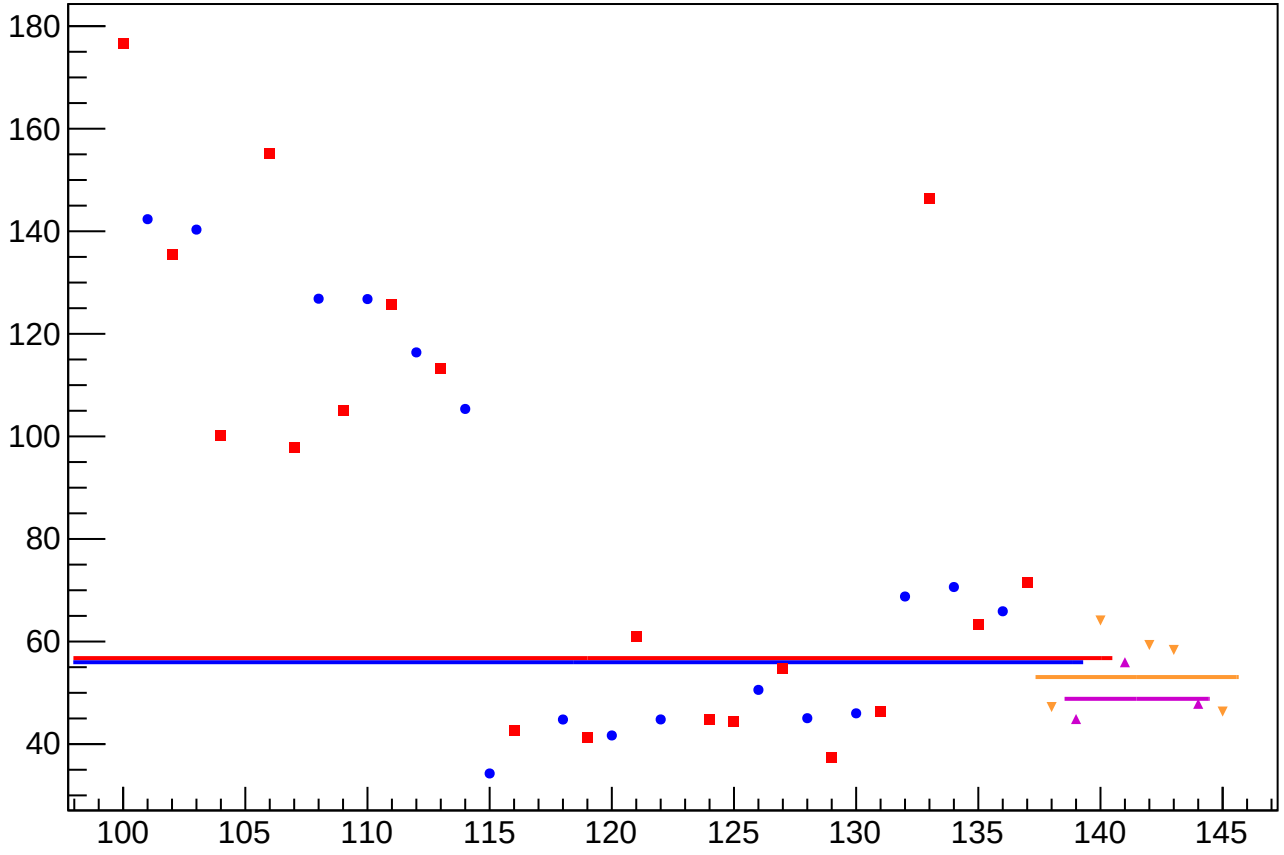
Left In: 0.024+/-0.031 χ^2/NDF:8.5/2

+ sign -0.003+/-0.018 χ^2/NDF: 17.9/20

All: 0.008+/-0.013 χ^2/NDF: 40.4/42

- sign 0.021+/-0.019 χ^2/NDF: 21.6/21

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

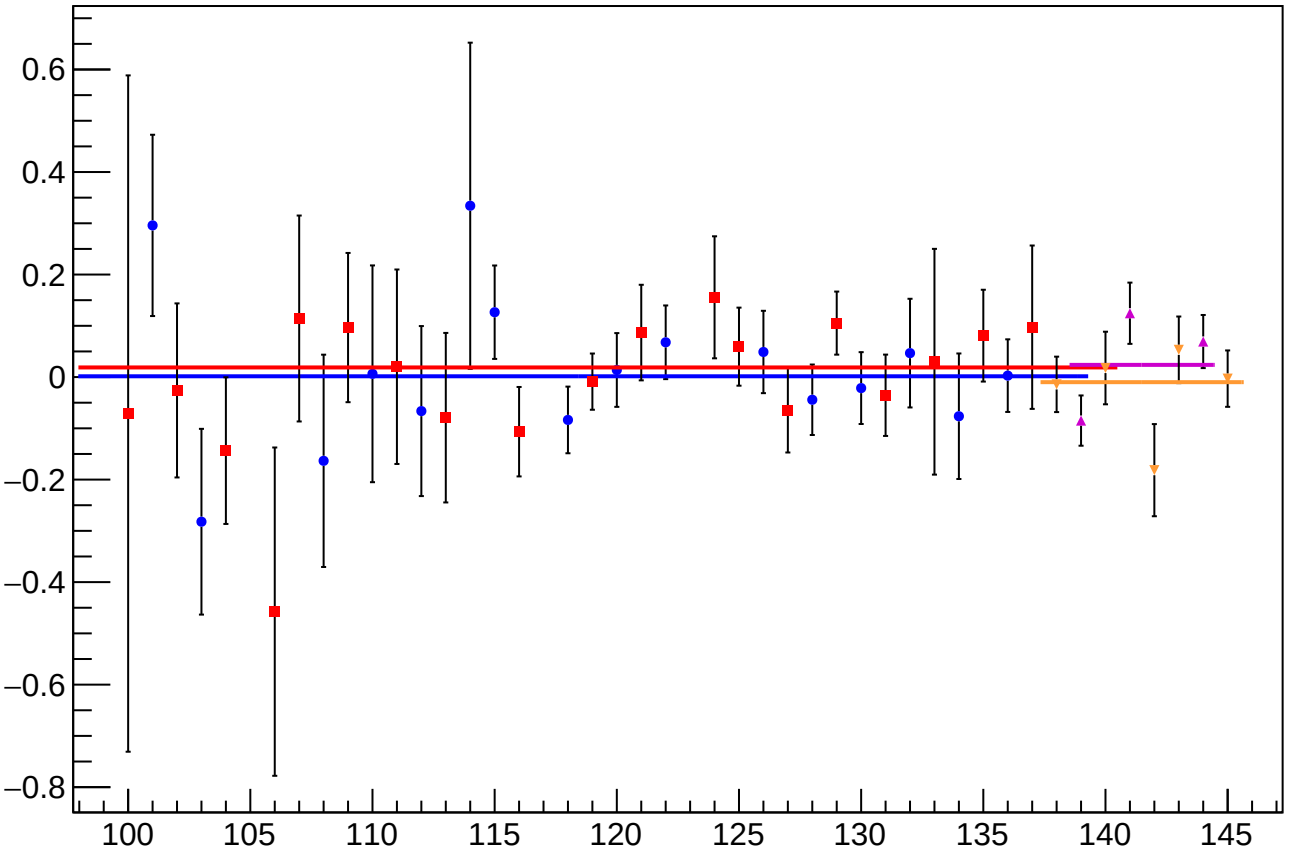
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 48.831+/-0.022 χ^2/NDF:42126.7/2

+ sign 54.801+/-0.013 χ^2/NDF: 2316824.6/20

All: 54.326+/-0.009 χ^2/NDF: 4999651.3/42

- sign 53.820+/-0.013 χ^2/NDF: 2679975.6/21



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.010+/-0.028 χ^2/NDF:4.8/4

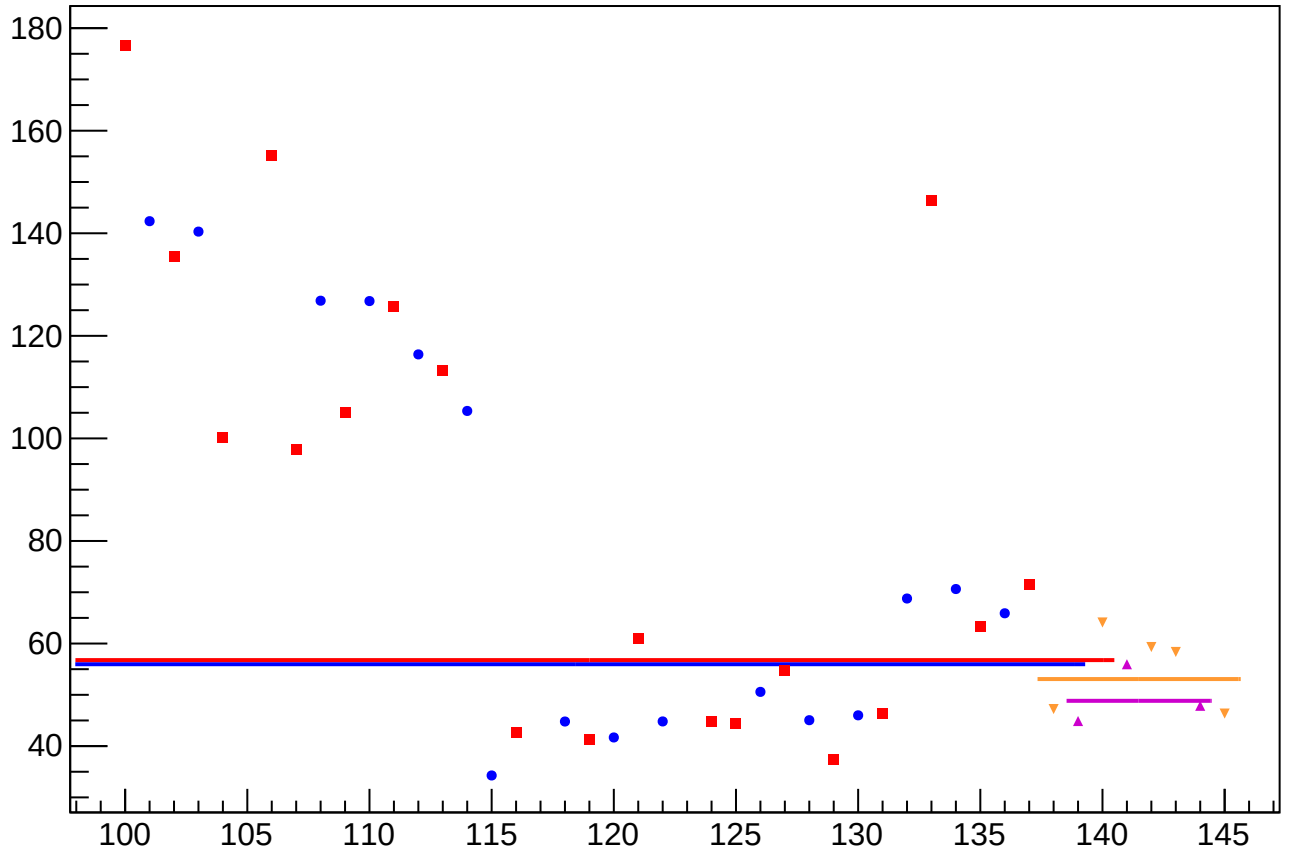
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.024+/-0.031 χ^2/NDF:8.5/2

+ sign -0.003+/-0.018 χ^2/NDF: 17.9/20

All: 0.008+/-0.013 χ^2/NDF: 40.4/42

- sign 0.021+/-0.019 χ^2/NDF: 21.6/21



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.075+/-0.020 χ^2/NDF:124756.9/4

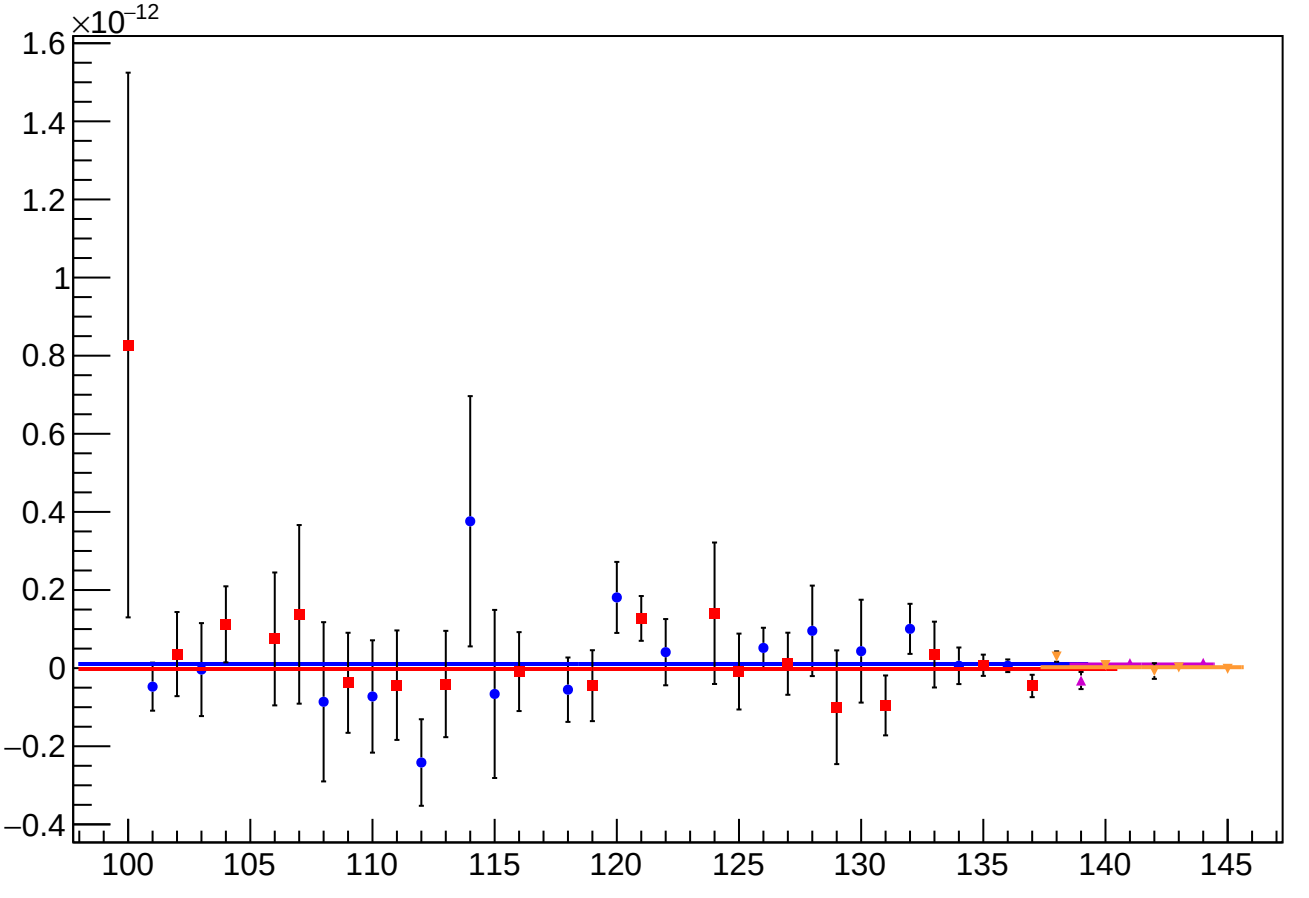
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 48.831+/-0.022 χ^2/NDF:42126.7/2

+ sign 54.801+/-0.013 χ^2/NDF: 2316824.6/20

All: 54.326+/-0.009 χ^2/NDF: 4999651.3/42

- sign 53.820+/-0.013 χ^2/NDF: 2679975.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/4

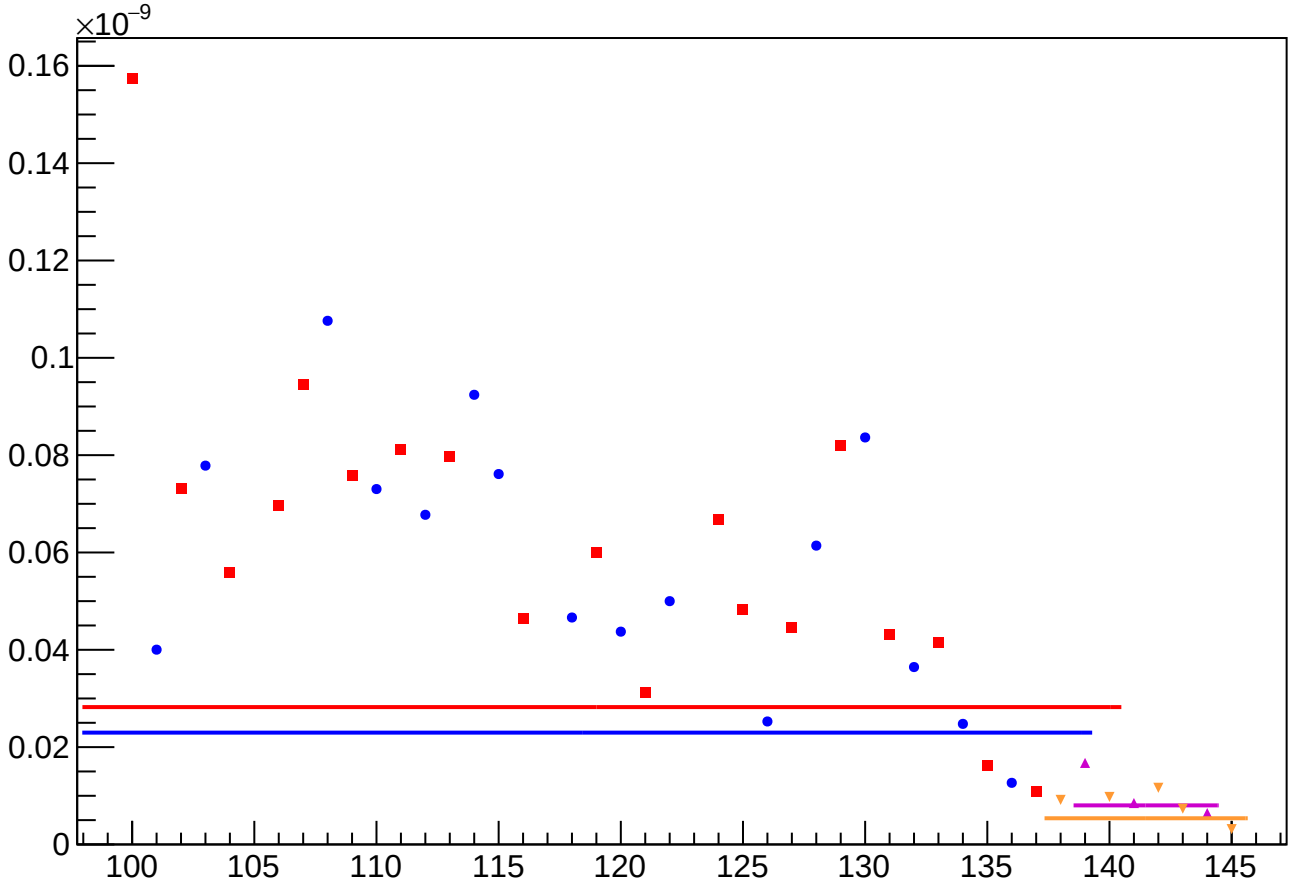
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.4/20

All: 0.000+/-0.000 χ^2/NDF: 40.4/42

- sign 0.000+/-0.000 χ^2/NDF: 18.6/21



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

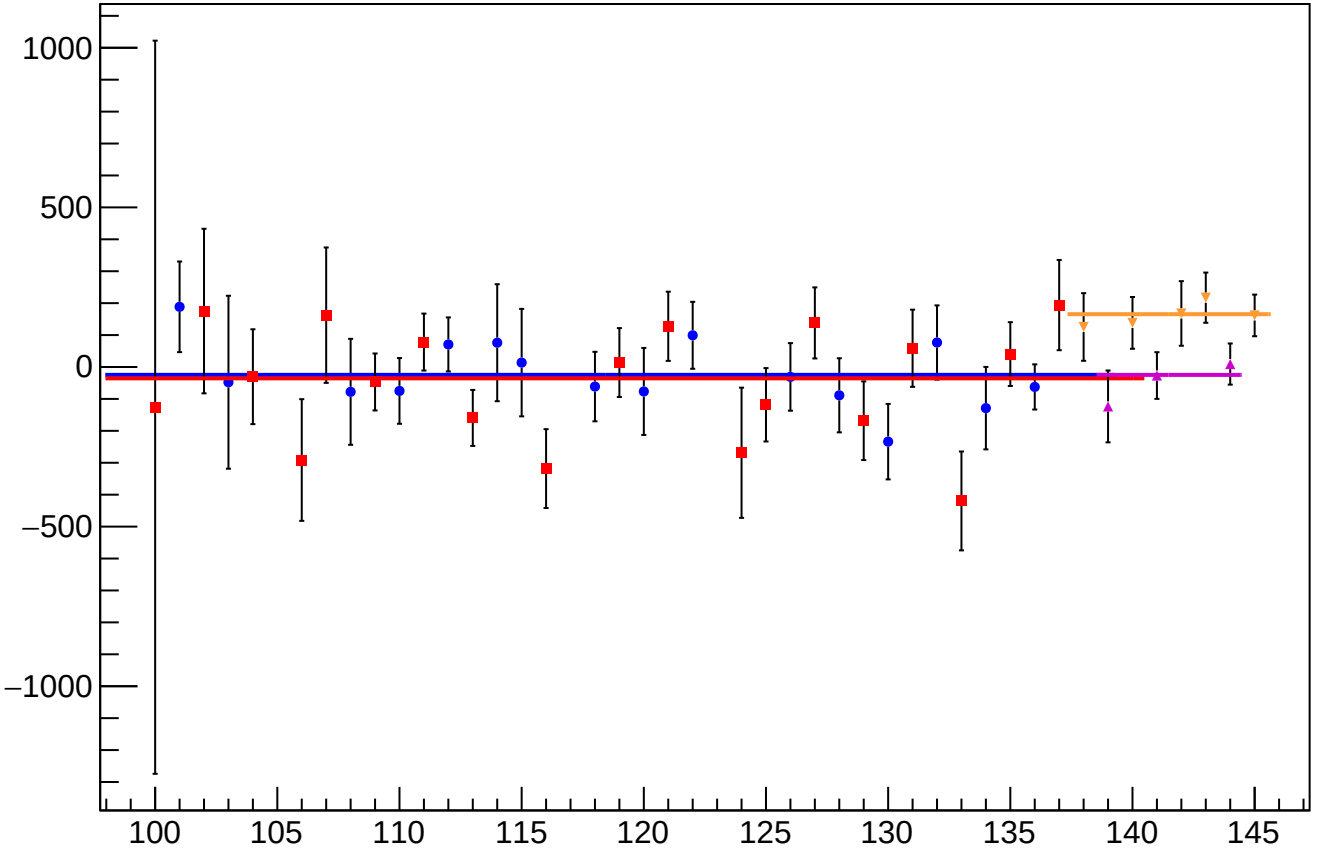
Left In: 0.000+/-0.000 χ^2/NDF:390821.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 8184406.4/20

All: 0.000+/-0.000 χ^2/NDF: 15964461.2/42

- sign 0.000+/-0.000 χ^2/NDF: 7106829.5/21

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

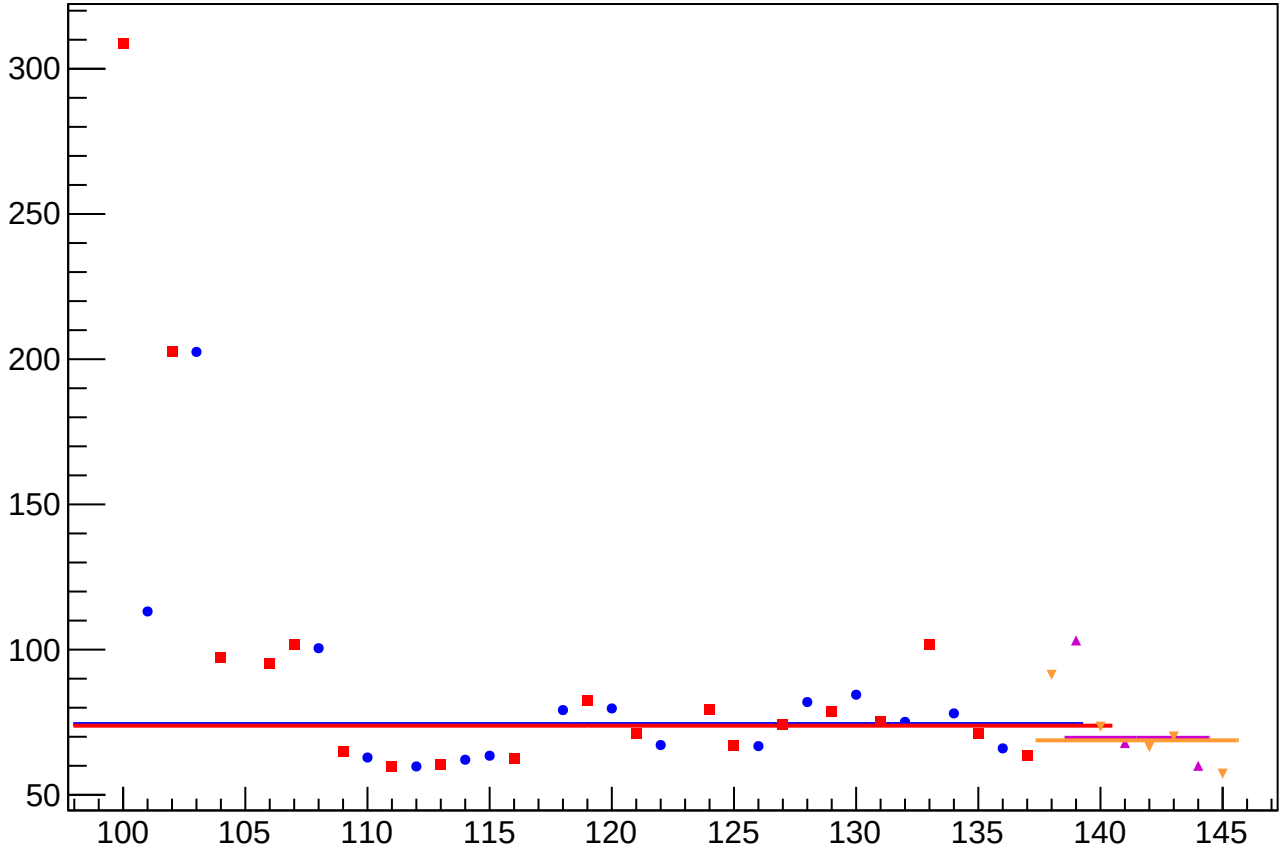
Left In: -24.768+/-44.424 χ^2/NDF:1.0/2

+ sign 47.719+/-22.751 χ^2/NDF: 28.2/20

All: 9.715+/-16.499 χ^2/NDF: 65.2/42

- sign -32.436+/-23.961 χ^2/NDF: 31.2/21

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

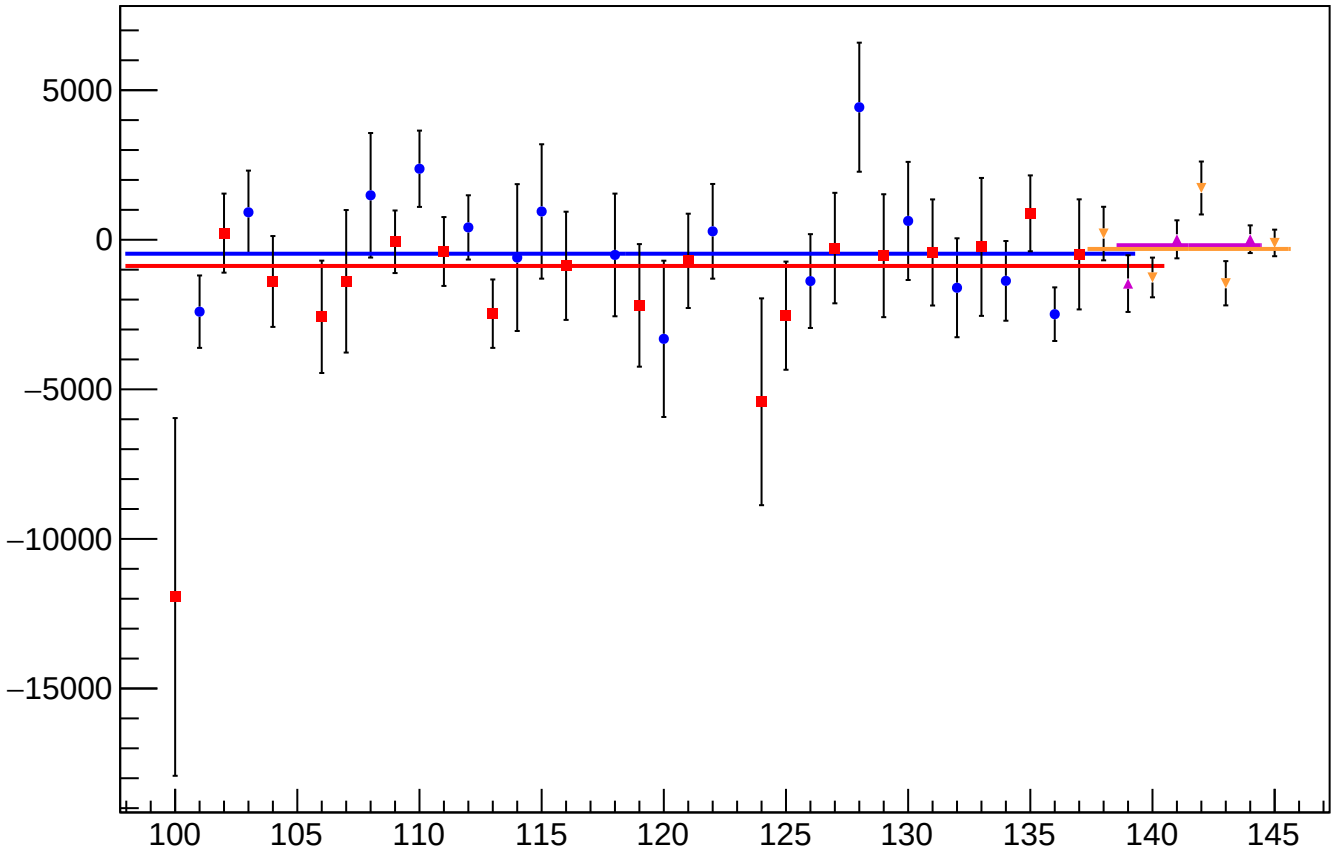
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 69.628+/-0.031 χ^2/NDF:223494.6/2

+ sign 72.236+/-0.016 χ^2/NDF: 1016972.4/20

All: 72.407+/-0.012 χ^2/NDF: 2185250.2/42

- sign 72.597+/-0.017 χ^2/NDF: 1168039.4/21



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

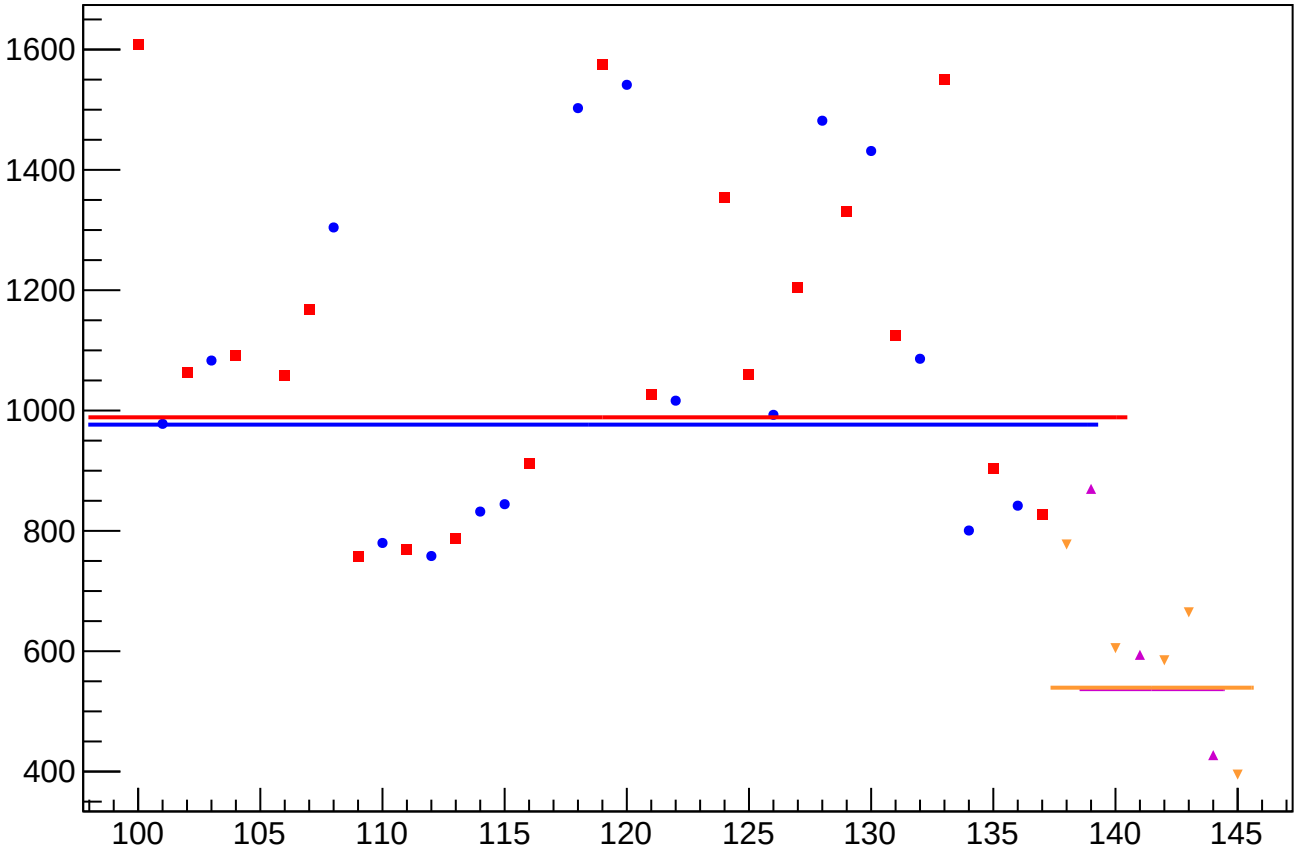
Left In: -182.503+/-348.057 χ^2/NDF:2.1/2

+ sign -367.002+/-230.593 χ^2/NDF: 34.1/20

All: -429.601+/-170.801 χ^2/NDF: 51.3/42

- sign -505.693+/-254.233 χ^2/NDF: 17.0/21

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

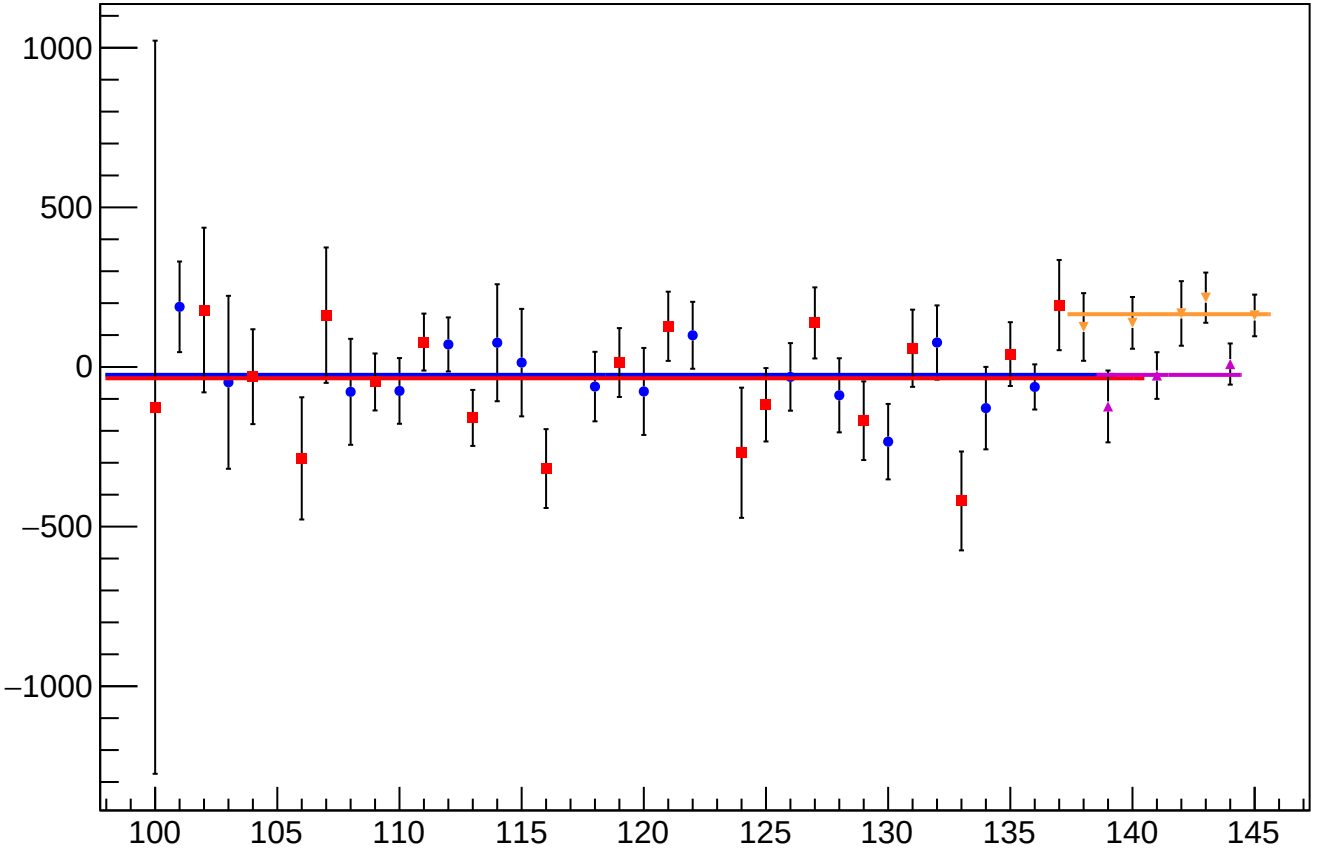
Left In: 536.983+/-0.246 χ^2/NDF:375018.4/2

+ sign 704.673+/-0.163 χ^2/NDF: 2862441.2/20

All: 724.104+/-0.121 χ^2/NDF: 5556447.5/42

- sign 747.723+/-0.180 χ^2/NDF: 2662543.1/21

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

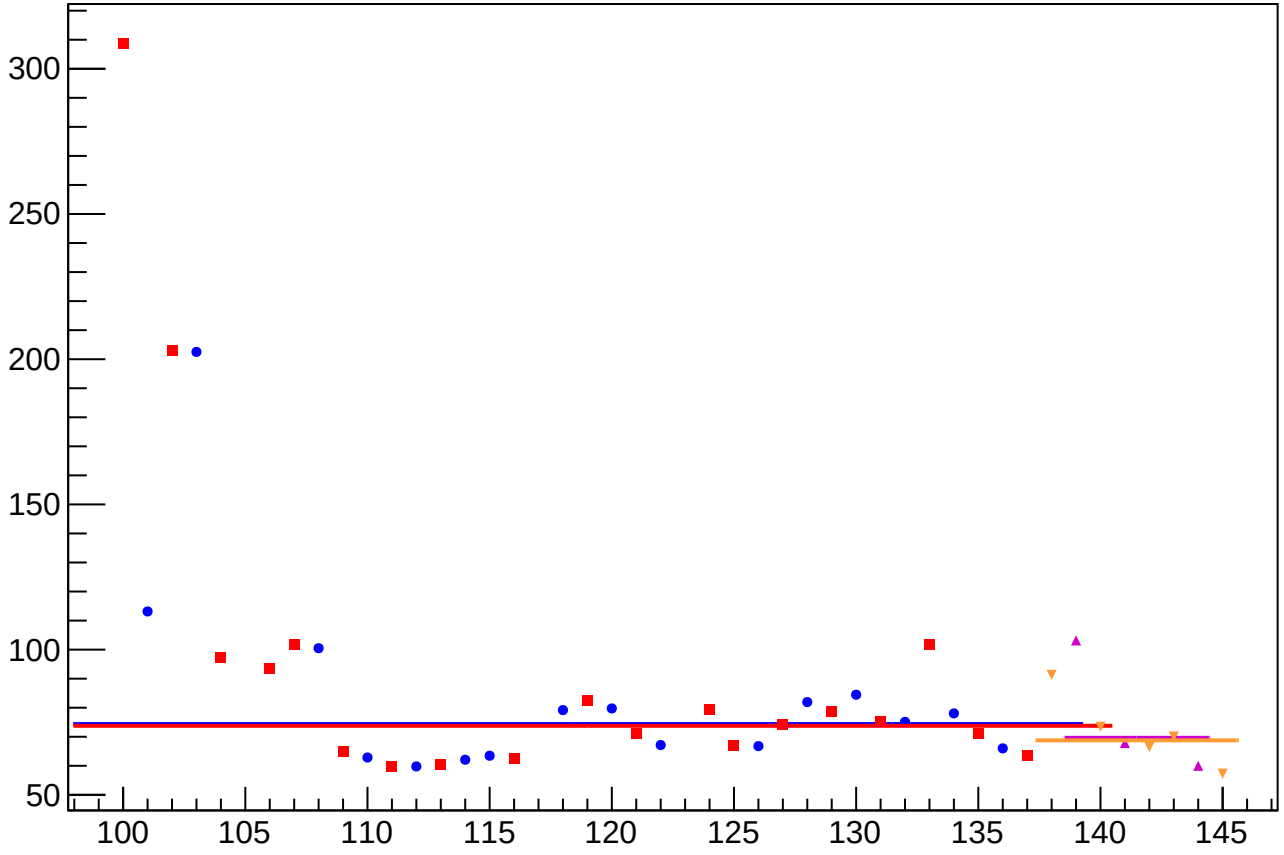
Left In: -24.765+/-44.424 χ^2/NDF:1.0/2

+ sign 47.716+/-22.751 χ^2/NDF: 28.2/20

All: 9.784+/-16.499 χ^2/NDF: 65.1/42

- sign -32.293+/-23.962 χ^2/NDF: 31.1/21

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

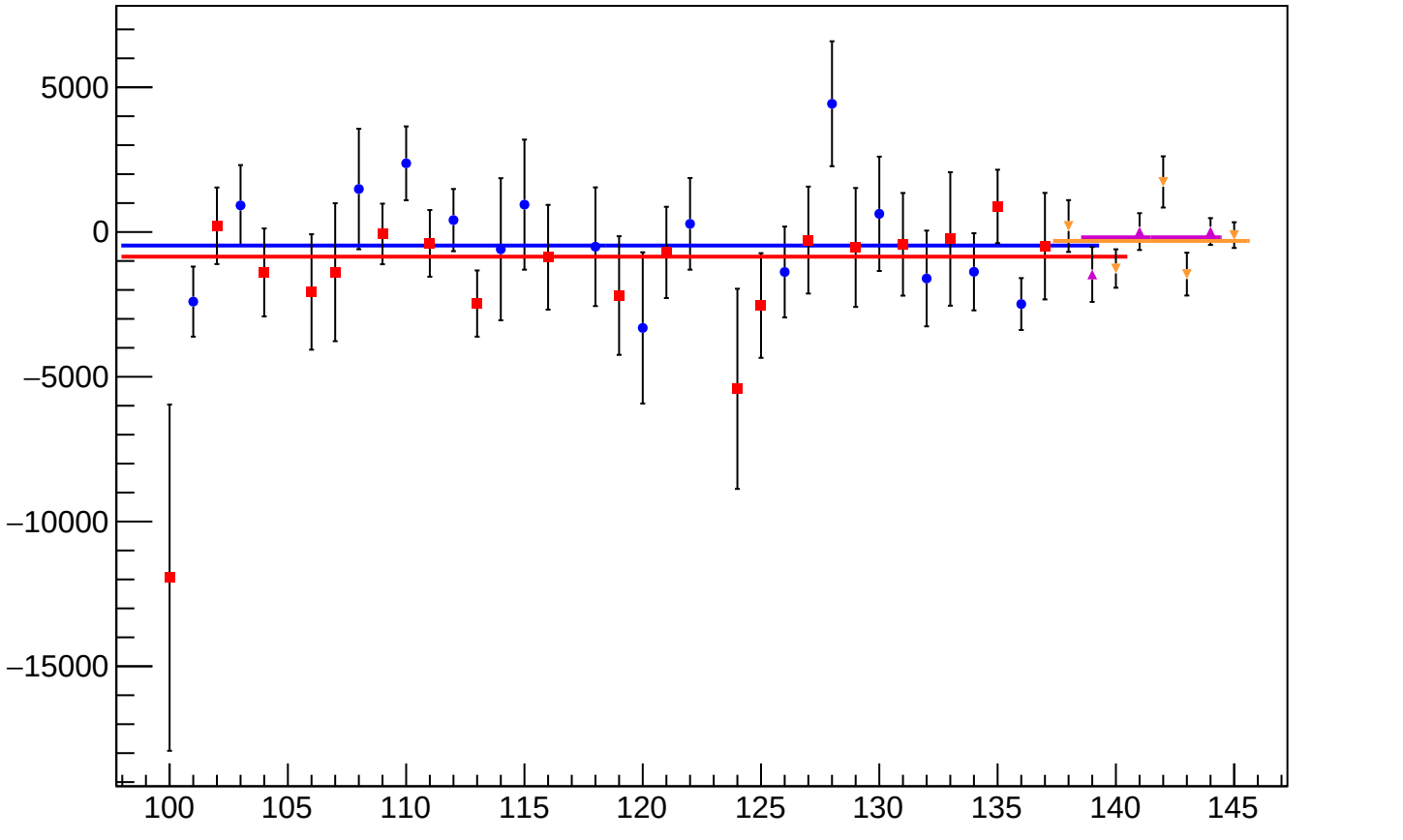
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 69.628+/-0.031 χ^2/NDF:223494.6/2

+ sign 72.236+/-0.016 χ^2/NDF: 1016974.4/20

All: 72.393+/-0.012 χ^2/NDF: 2181177.9/42

- sign 72.567+/-0.017 χ^2/NDF: 1164002.9/21



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

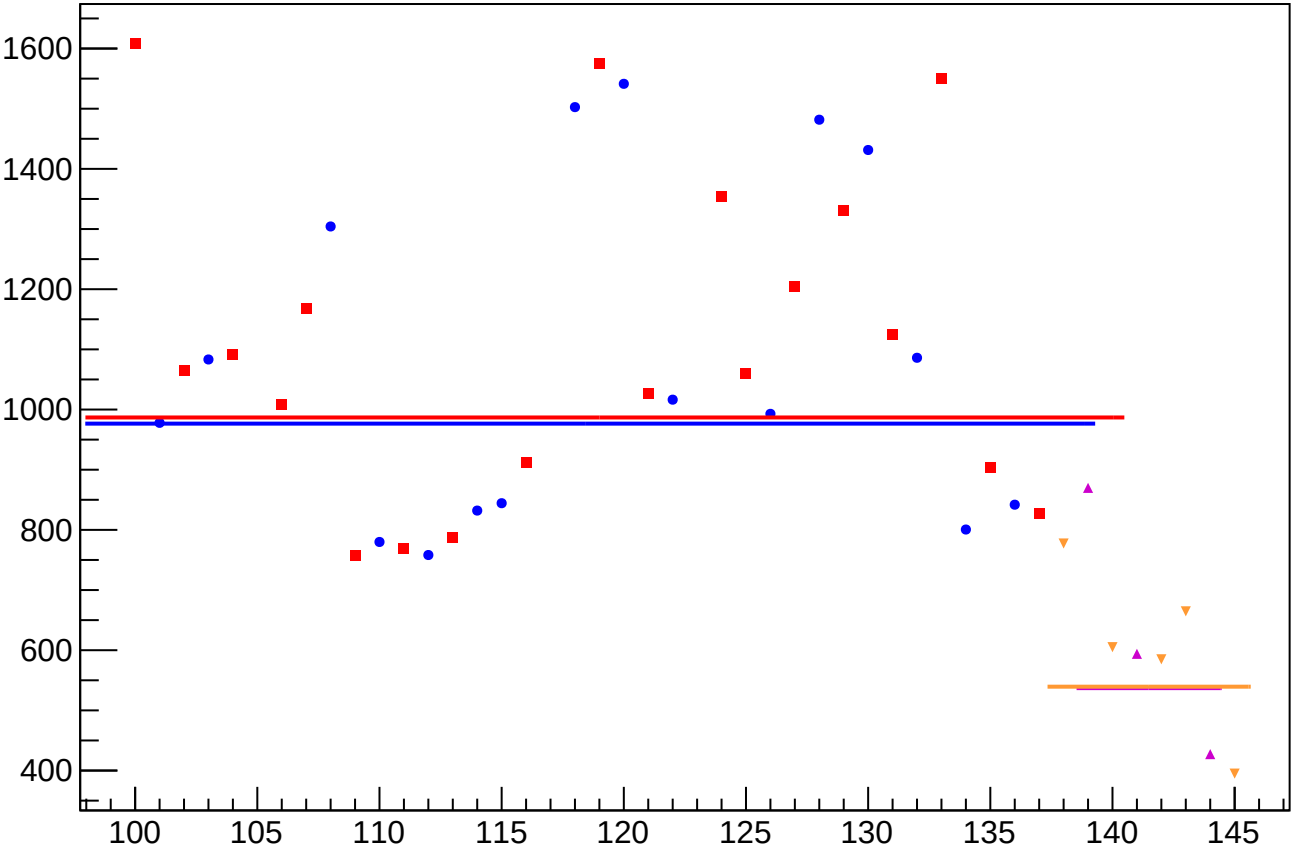
Left In: -182.500+/-348.057 χ^2/NDF:2.1/2

+ sign -366.993+/-230.594 χ^2/NDF: 34.1/20

All: -424.007+/-170.884 χ^2/NDF: 50.7/42

- sign -493.458+/-254.504 χ^2/NDF: 16.4/21

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

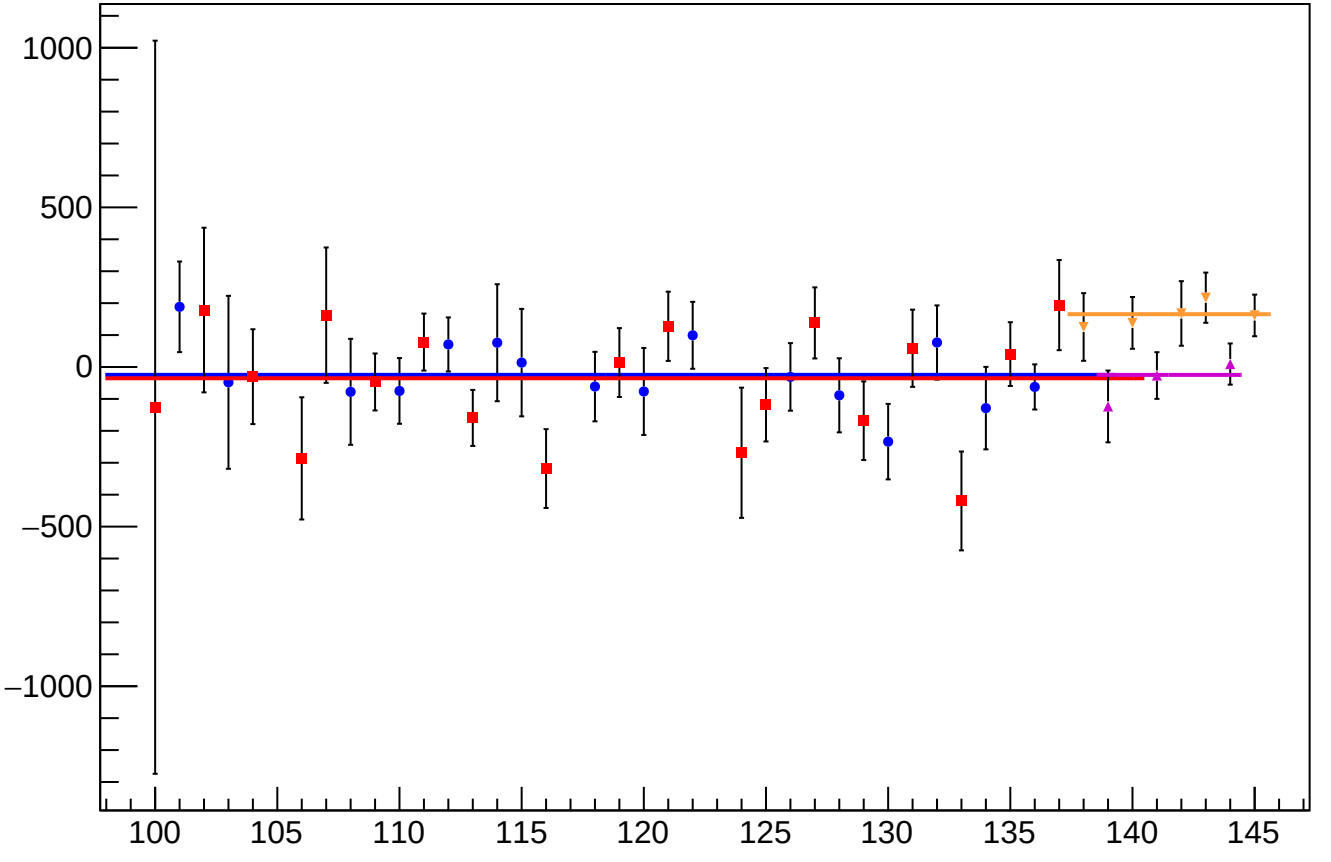
Left In: 536.984+/-0.246 χ^2/NDF:375018.9/2

+ sign 704.674+/-0.163 χ^2/NDF: 2862496.3/20

All: 723.443+/-0.121 χ^2/NDF: 5534764.4/42

- sign 746.306+/-0.180 χ^2/NDF: 2642877.7/21

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

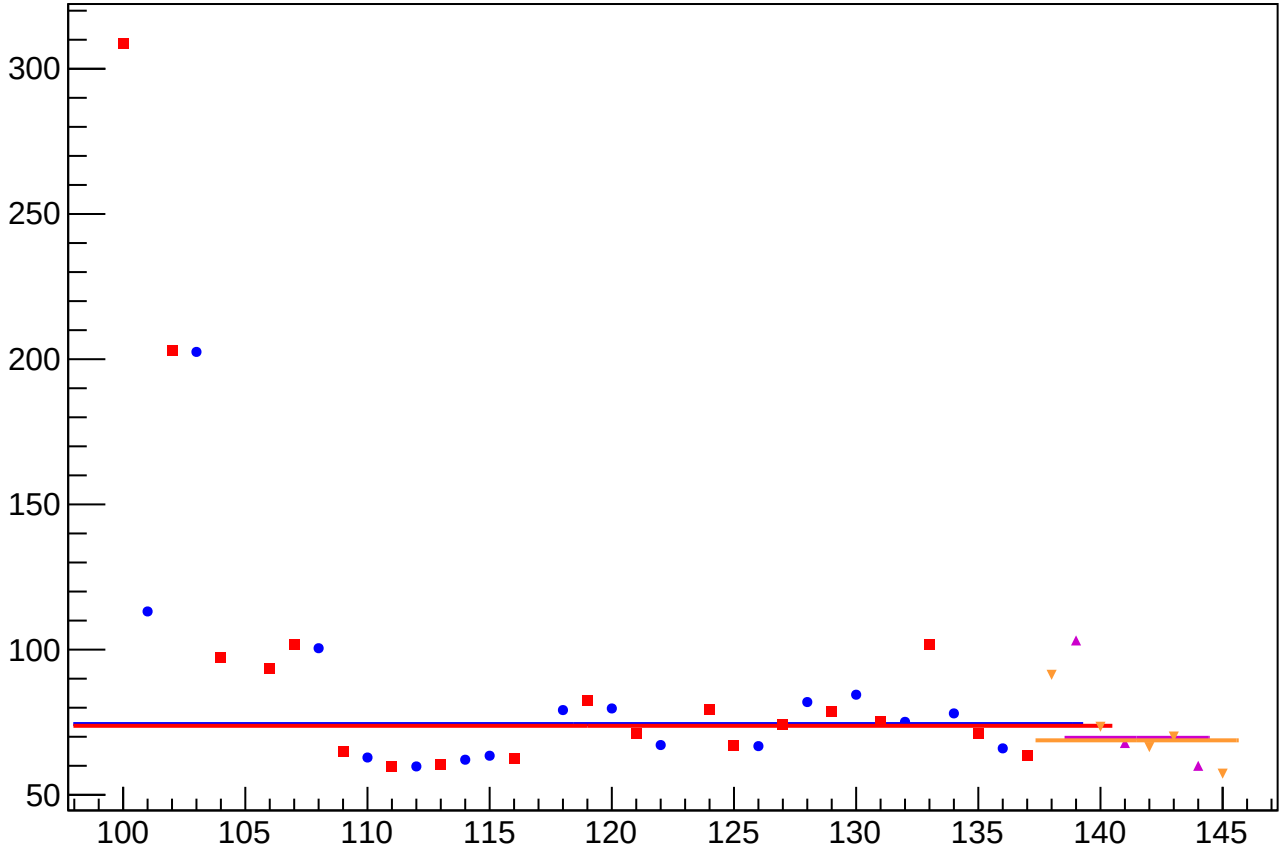
Left In: -24.765+/-44.424 χ^2/NDF:1.0/2

+ sign 47.716+/-22.751 χ^2/NDF: 28.2/20

All: 9.784+/-16.499 χ^2/NDF: 65.1/42

- sign -32.293+/-23.962 χ^2/NDF: 31.1/21

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

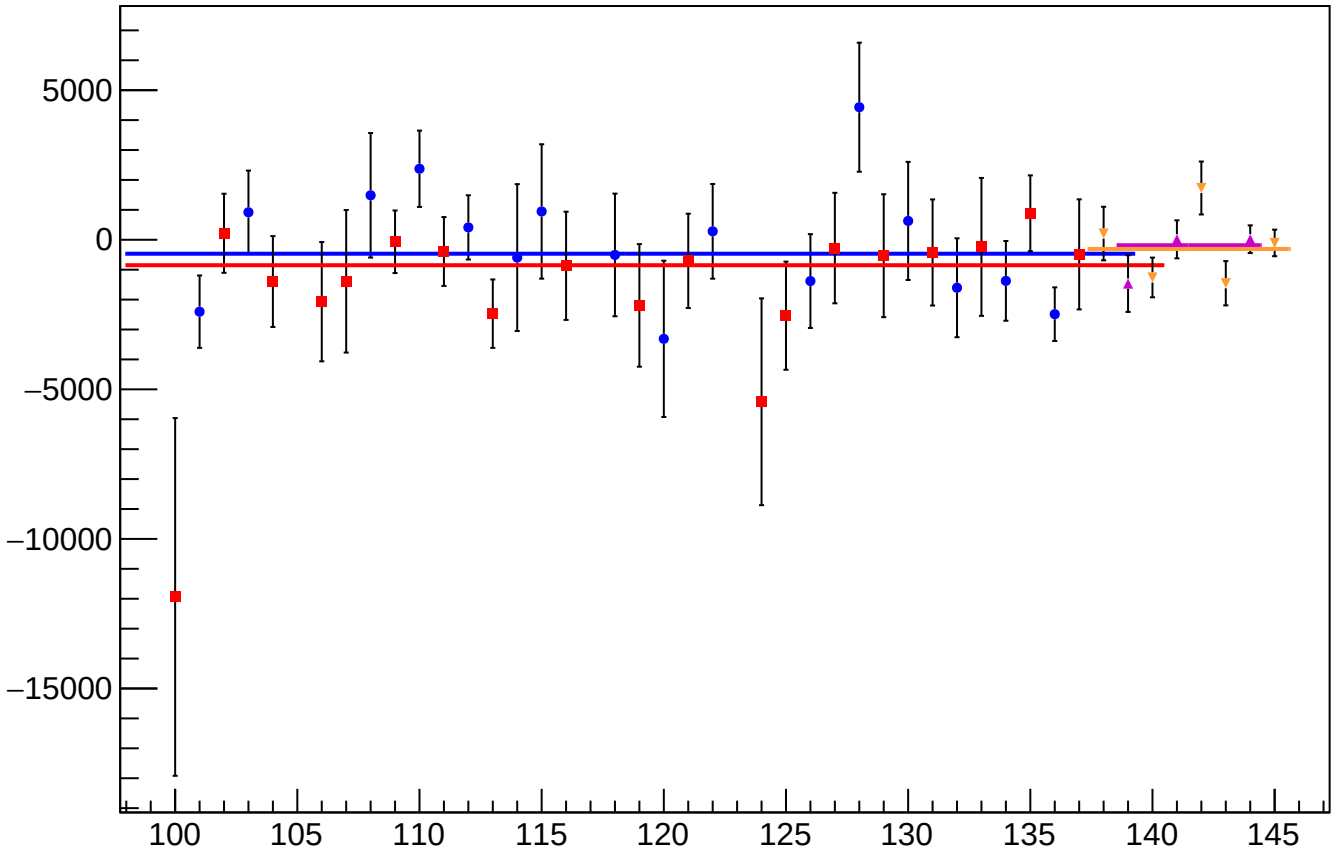
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 69.628+/-0.031 χ^2/NDF:223494.6/2

+ sign 72.236+/-0.016 χ^2/NDF: 1016974.4/20

All: 72.393+/-0.012 χ^2/NDF: 2181177.9/42

- sign 72.567+/-0.017 χ^2/NDF: 1164002.9/21



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -306.499+/-292.397 χ^2/NDF:10.3/4

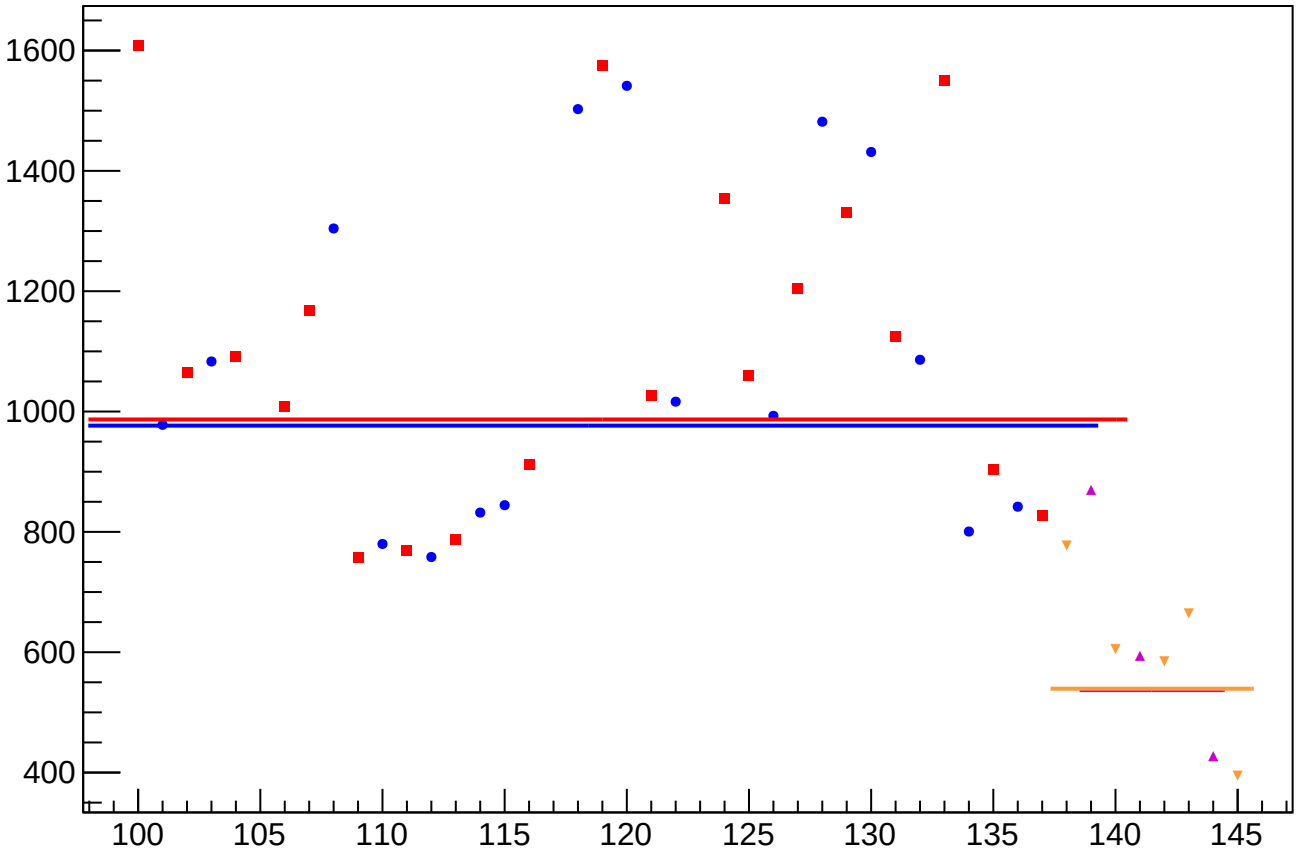
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -182.500+/-348.057 χ^2/NDF:2.1/2

+ sign -366.993+/-230.594 χ^2/NDF: 34.1/20

All: -424.007+/-170.884 χ^2/NDF: 50.7/42

- sign -493.458+/-254.504 χ^2/NDF: 16.4/21



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

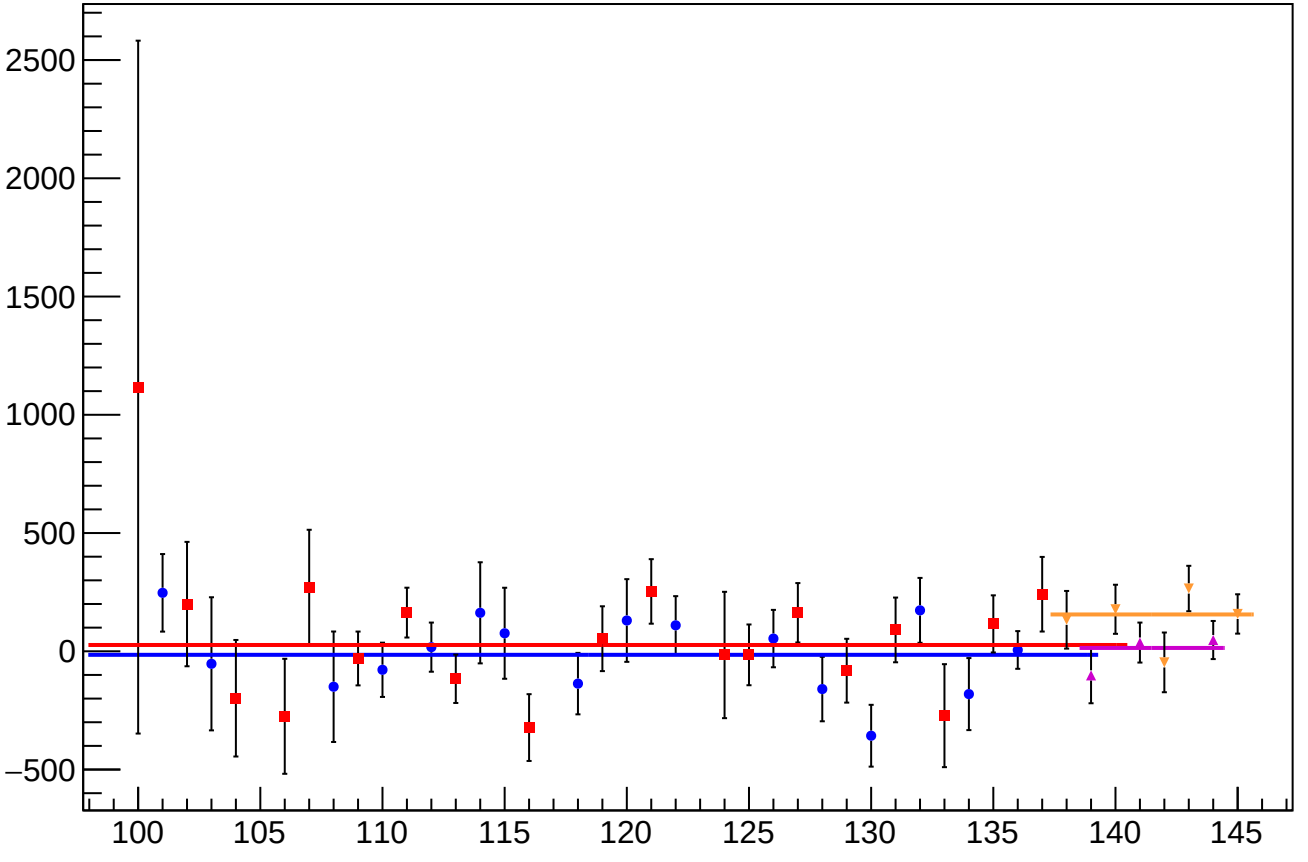
Left In: 536.984+/-0.246 χ^2/NDF:375018.9/2

+ sign 704.674+/-0.163 χ^2/NDF: 2862496.3/20

All: 723.443+/-0.121 χ^2/NDF: 5534764.4/42

- sign 746.306+/-0.180 χ^2/NDF: 2642877.7/21

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

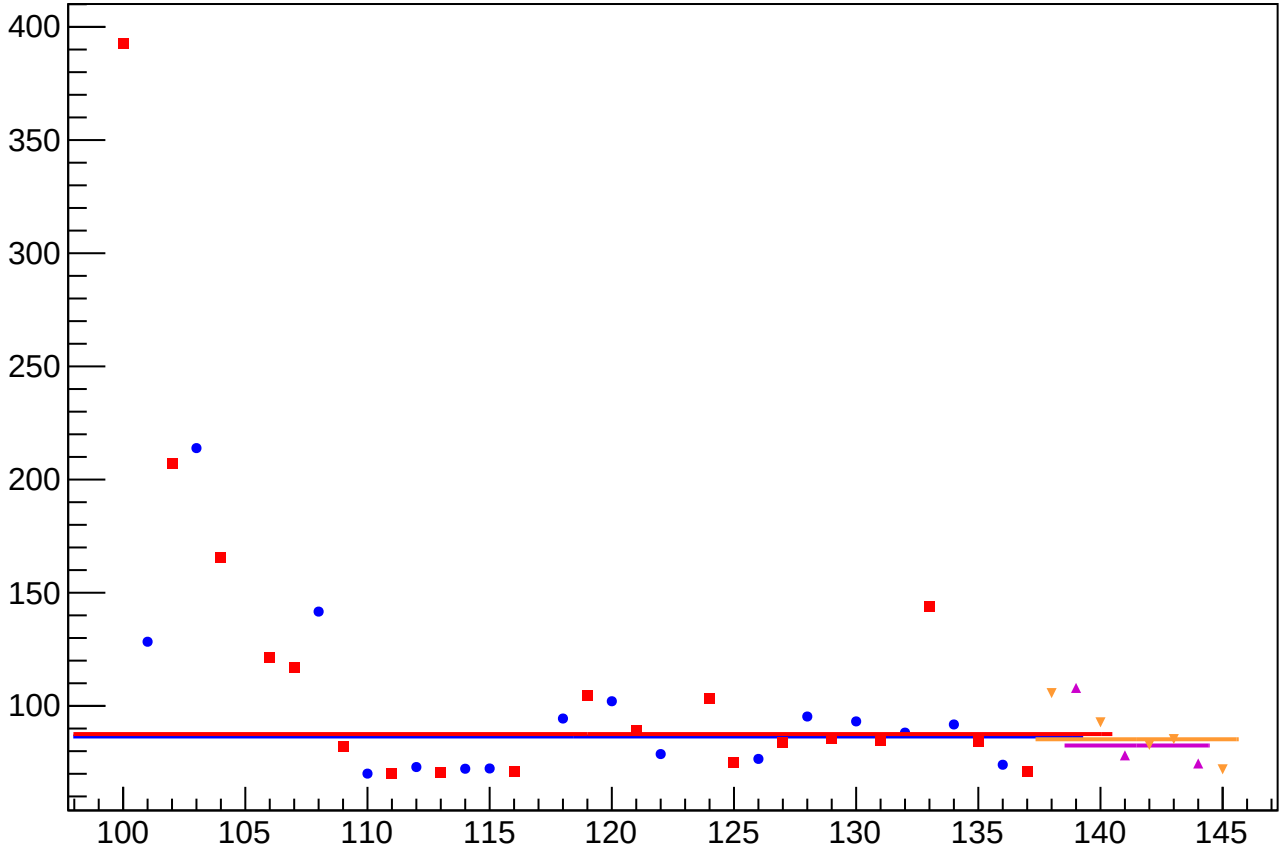
Left In: 14.122+/-52.277 χ^2/NDF:1.2/2

+ sign 45.064+/-27.185 χ^2/NDF: 31.2/20

All: 34.531+/-19.686 χ^2/NDF: 56.4/42

- sign 22.918+/-28.545 χ^2/NDF: 24.9/21

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

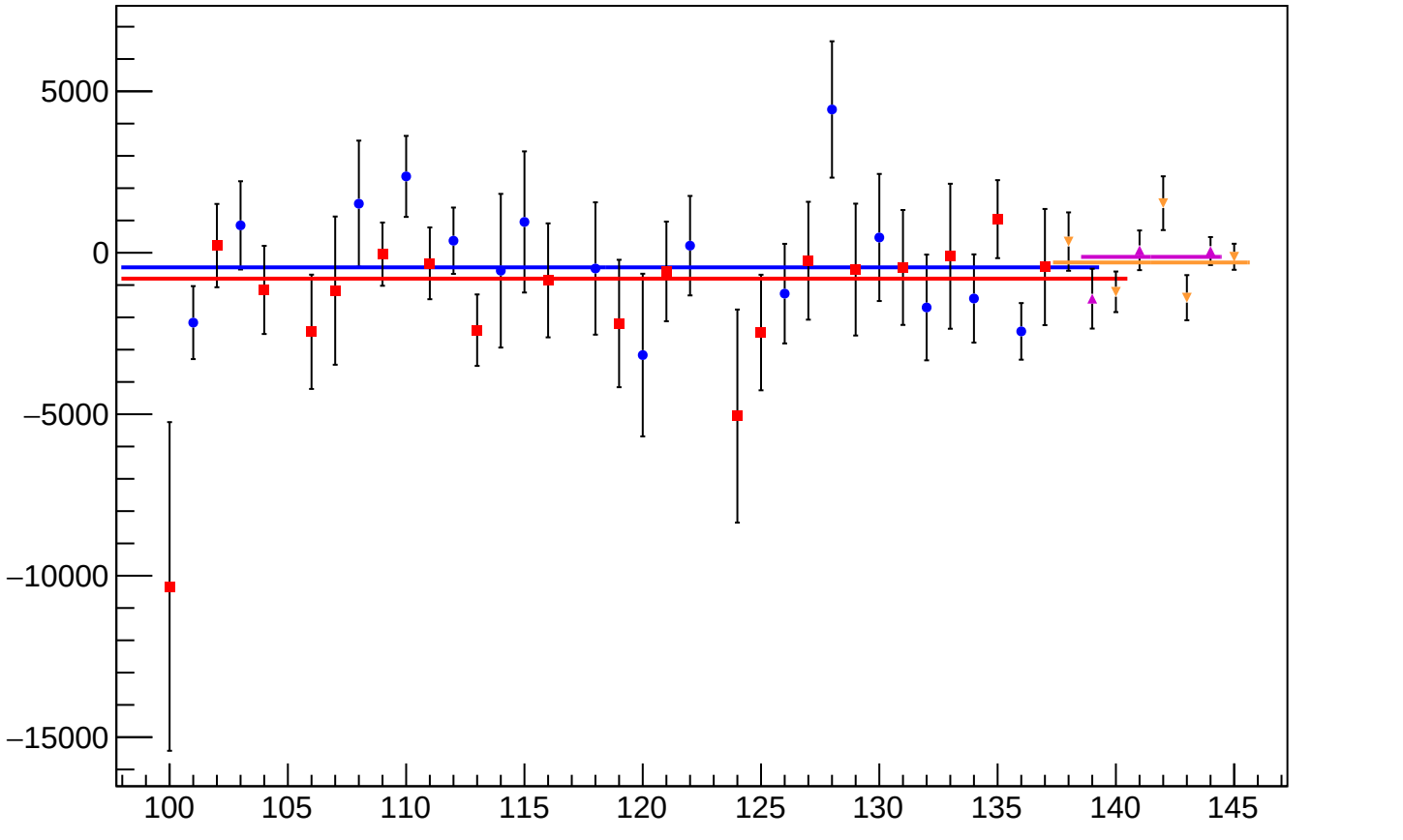
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 82.503+/-0.037 χ^2/NDF:117829.1/2

+ sign 86.056+/-0.019 χ^2/NDF: 975235.7/20

All: 86.052+/-0.014 χ^2/NDF: 2235965.1/42

- sign 86.048+/-0.020 χ^2/NDF: 1260729.4/21



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

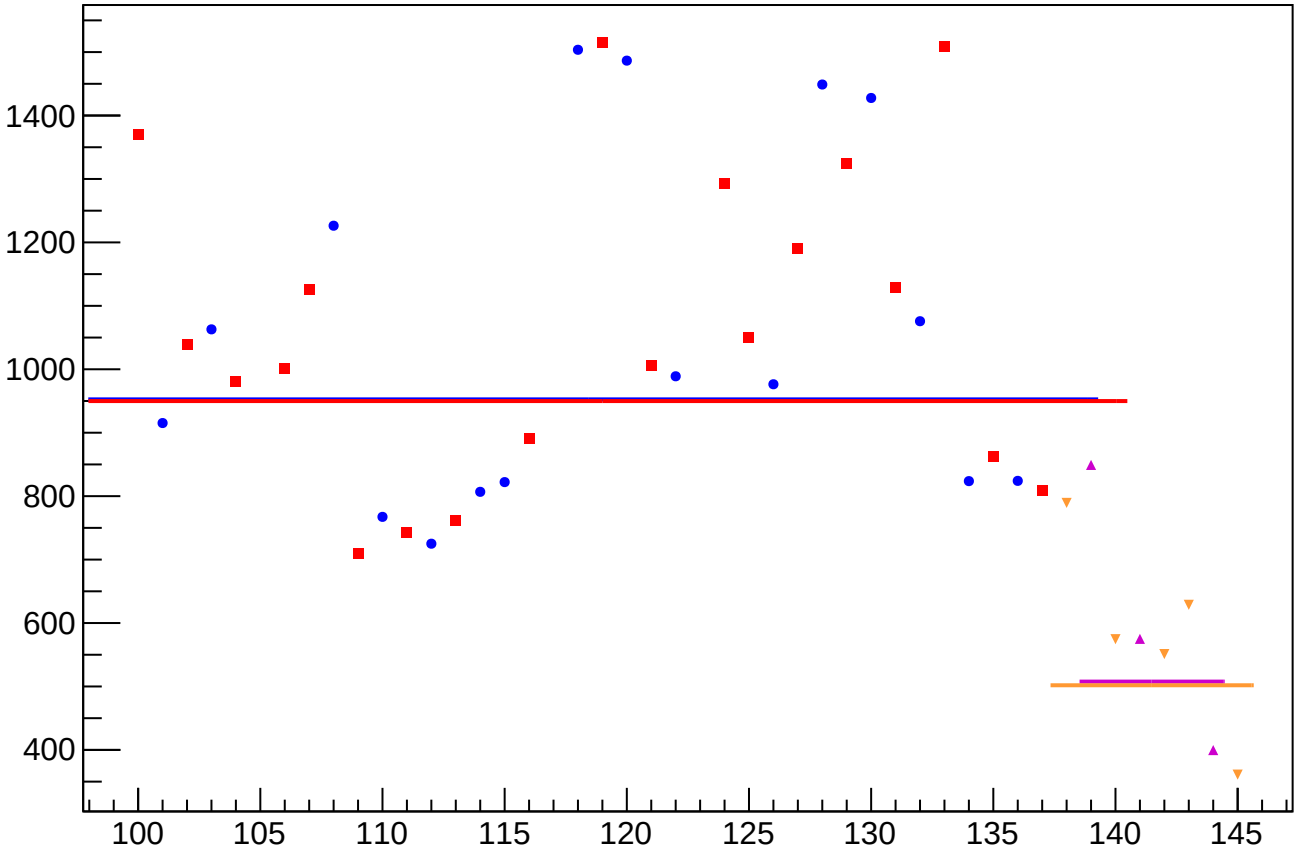
Left In: -127.417+/-330.409 χ^2/NDF:2.2/2

+ sign -354.786+/-218.871 χ^2/NDF: 33.9/20

All: -391.863+/-162.557 χ^2/NDF: 51.7/42

- sign -437.475+/-242.762 χ^2/NDF: 17.8/21

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

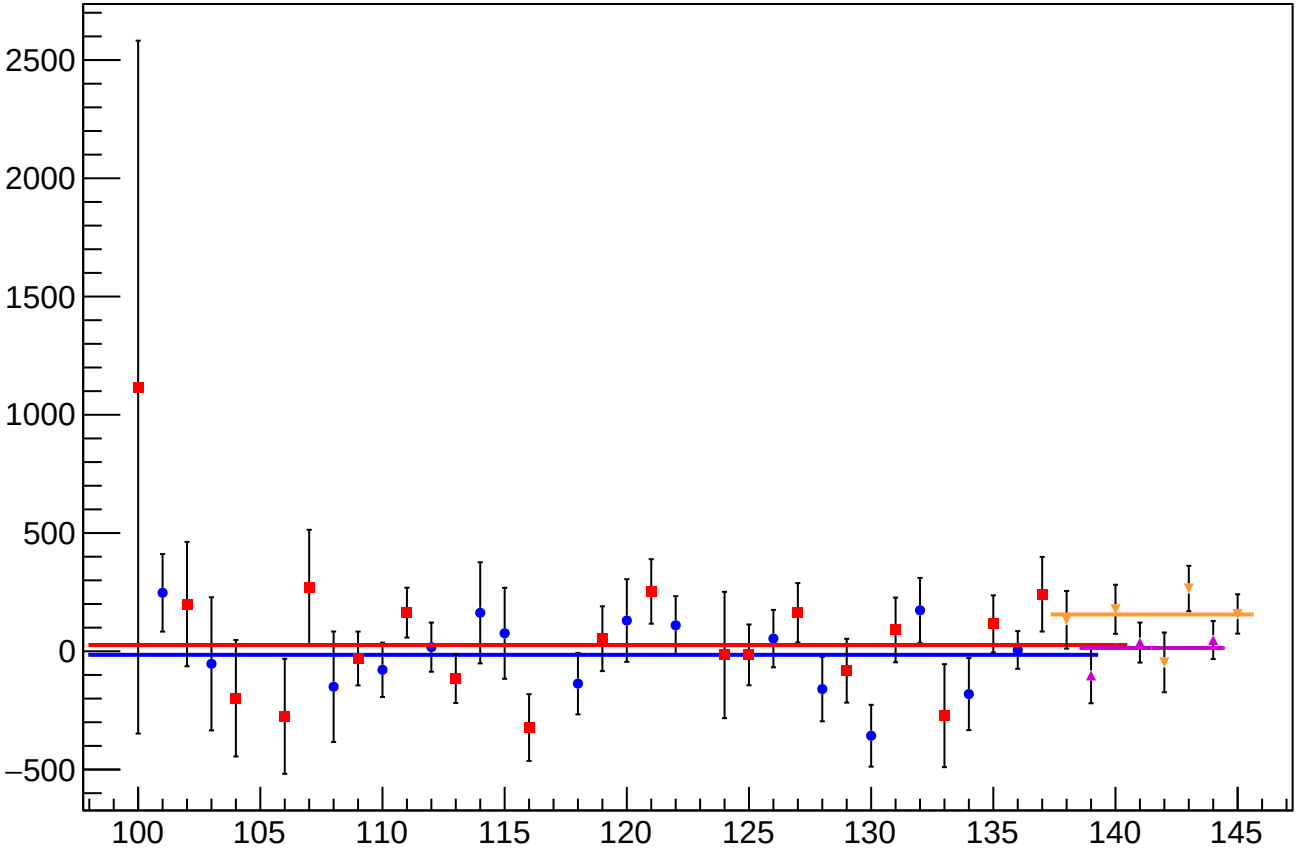
Left In: 507.668+/-0.234 χ^2/NDF:420530.9/2

\+ sign 663.400+/-0.155 χ^2/NDF: 3242013.2/20

All: 684.818+/-0.115 χ^2/NDF: 6105586.4/42

\- sign 711.167+/-0.172 χ^2/NDF: 2820860.0/21

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

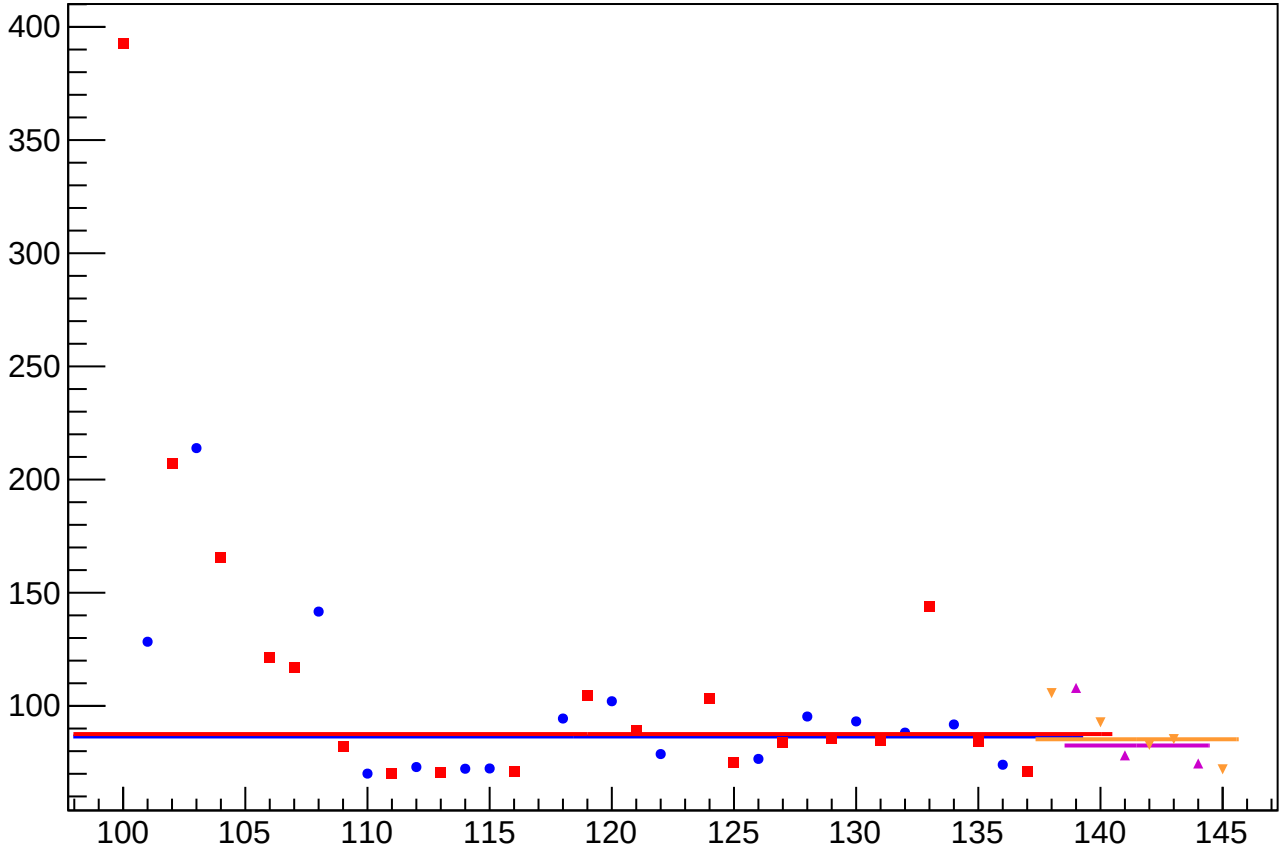
Left In: 14.121+/-52.277 χ^2/NDF:1.2/2

+ sign 45.063+/-27.186 χ^2/NDF: 31.2/20

All: 34.531+/-19.686 χ^2/NDF: 56.4/42

- sign 22.920+/-28.545 χ^2/NDF: 24.9/21

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

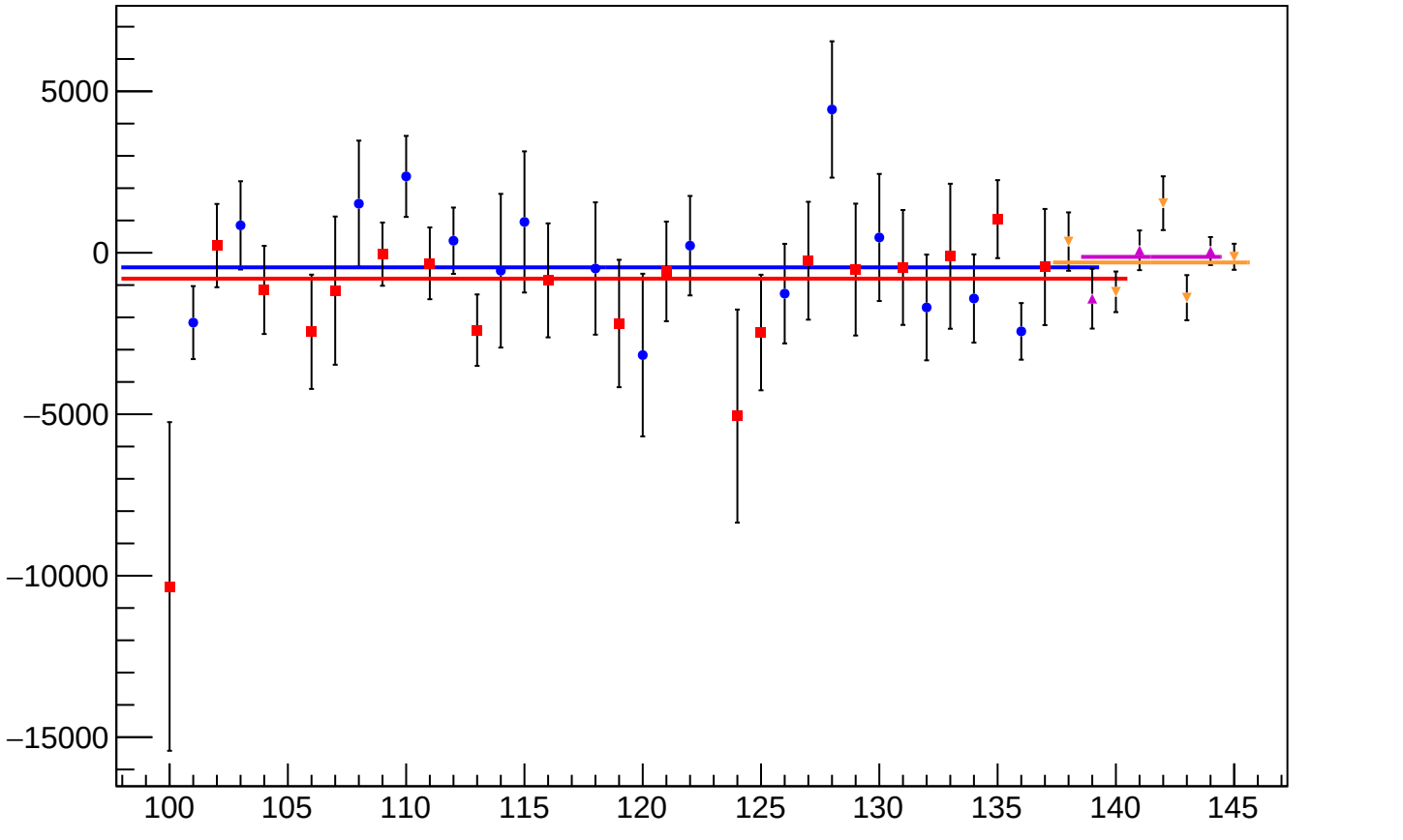
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 82.503+/-0.037 χ^2/NDF:117826.7/2

+ sign 86.056+/-0.019 χ^2/NDF: 975225.0/20

All: 86.053+/-0.014 χ^2/NDF: 2235950.8/42

- sign 86.049+/-0.020 χ^2/NDF: 1260725.8/21



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -300.835+/-273.243 χ^2/NDF:10.1/4

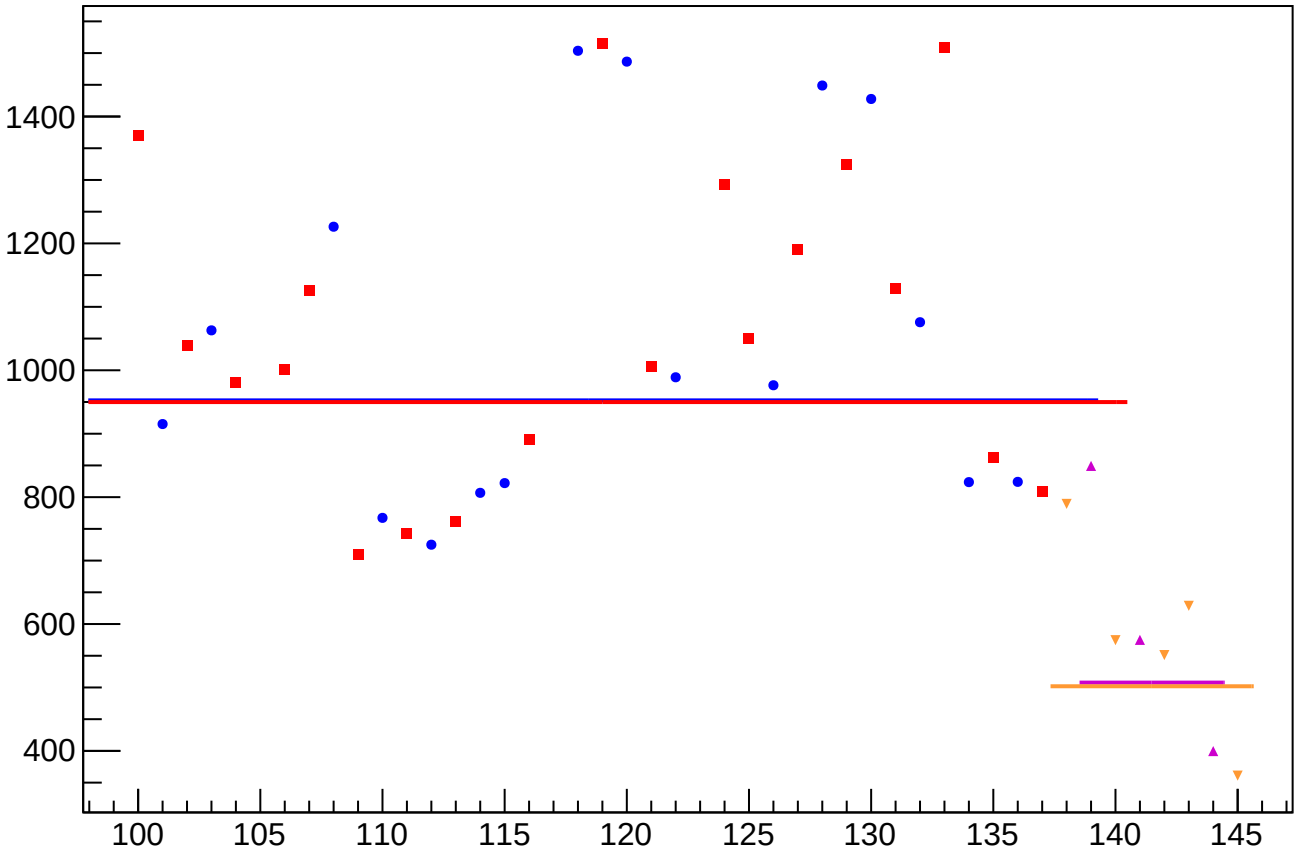
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -127.417+/-330.409 χ^2/NDF:2.2/2

+ sign -354.788+/-218.870 χ^2/NDF: 33.9/20

All: -391.864+/-162.557 χ^2/NDF: 51.7/42

- sign -437.475+/-242.761 χ^2/NDF: 17.8/21



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

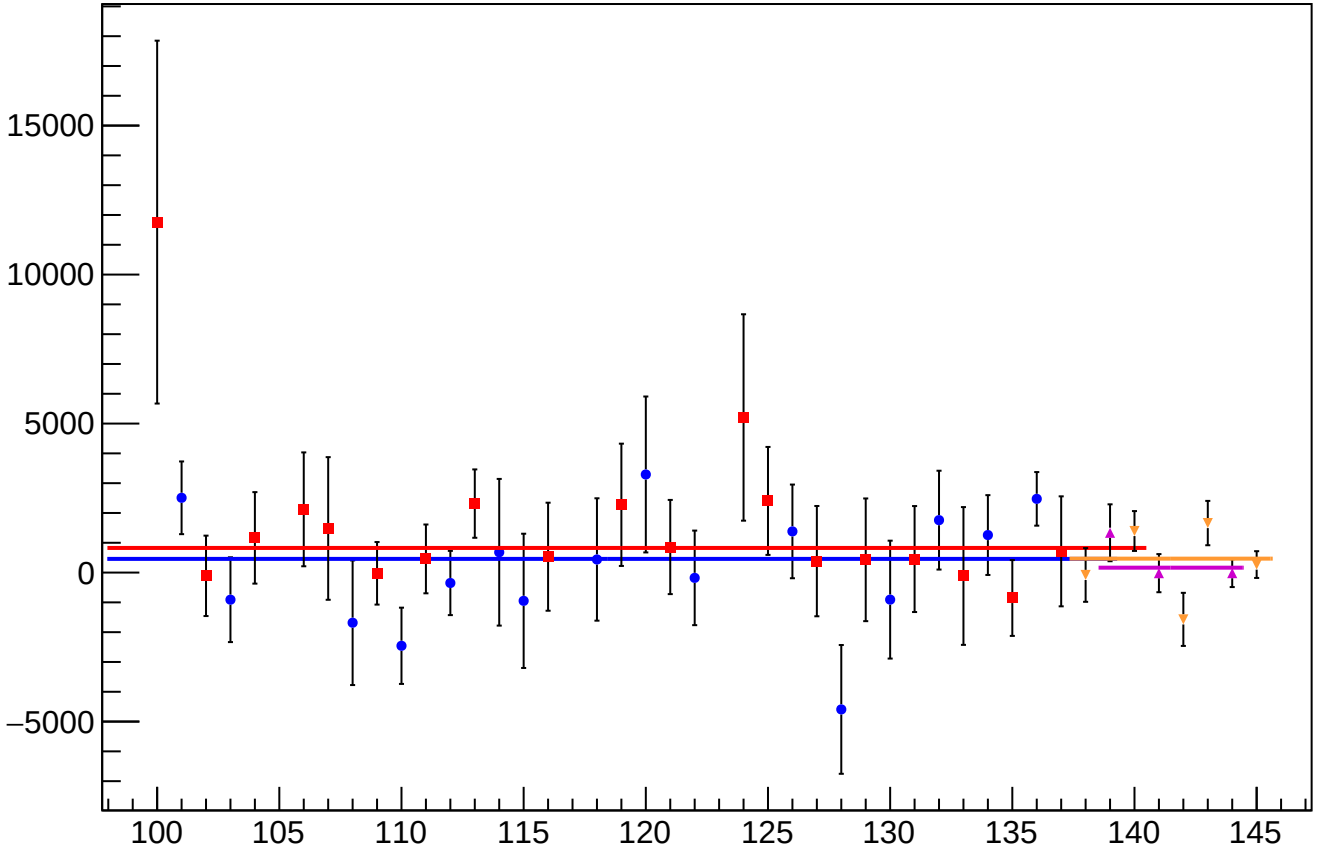
Left In: 507.667+/-0.234 χ^2/NDF:420532.5/2

+ sign 663.399+/-0.155 χ^2/NDF: 3242014.0/20

All: 684.817+/-0.115 χ^2/NDF: 6105583.6/42

- sign 711.166+/-0.172 χ^2/NDF: 2820856.2/21

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

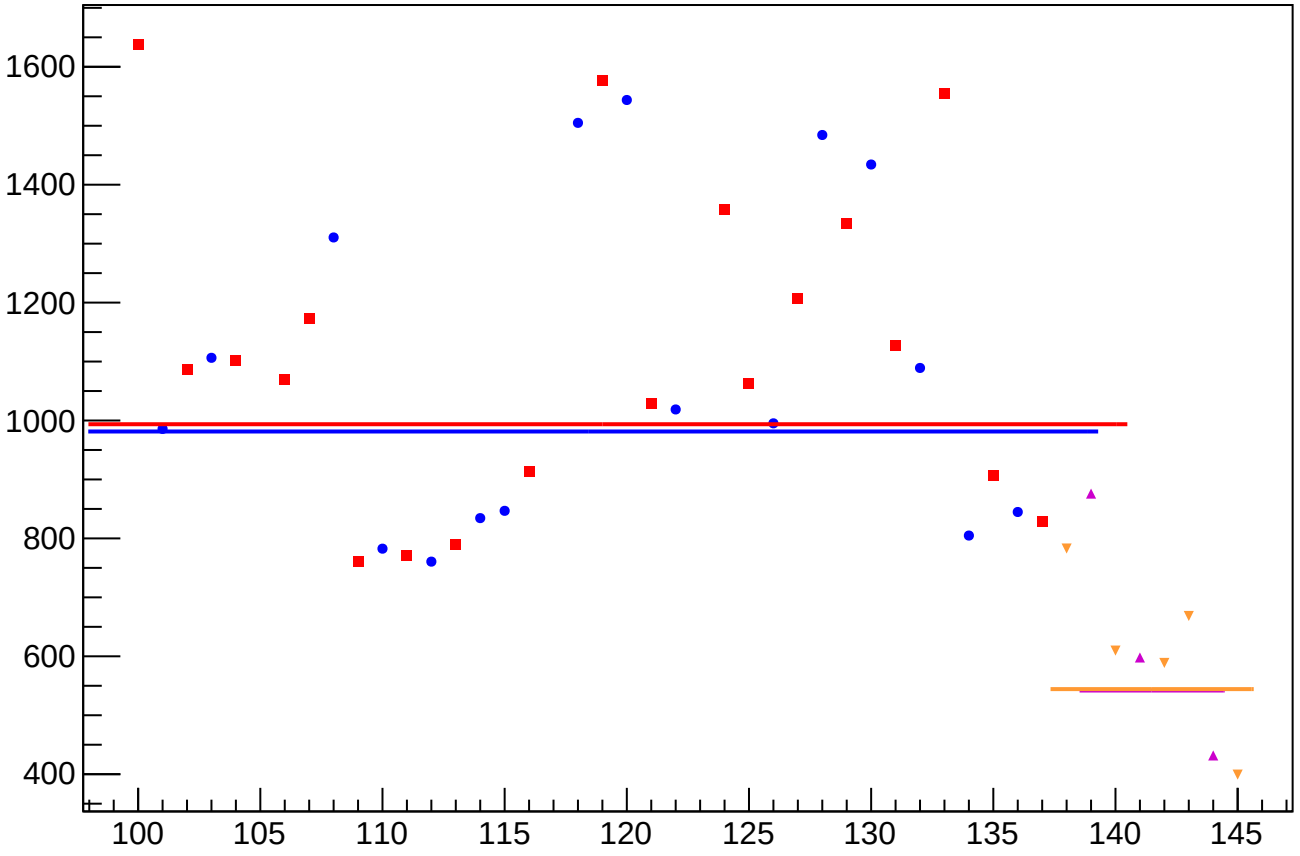
Left In: 164.190+/-351.118 χ^2/NDF:1.7/2

\+ sign 464.281+/-232.279 χ^2/NDF: 34.9/20

All: 468.788+/-172.042 χ^2/NDF: 49.9/42

\- sign 474.266+/-256.063 χ^2/NDF: 15.1/21

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

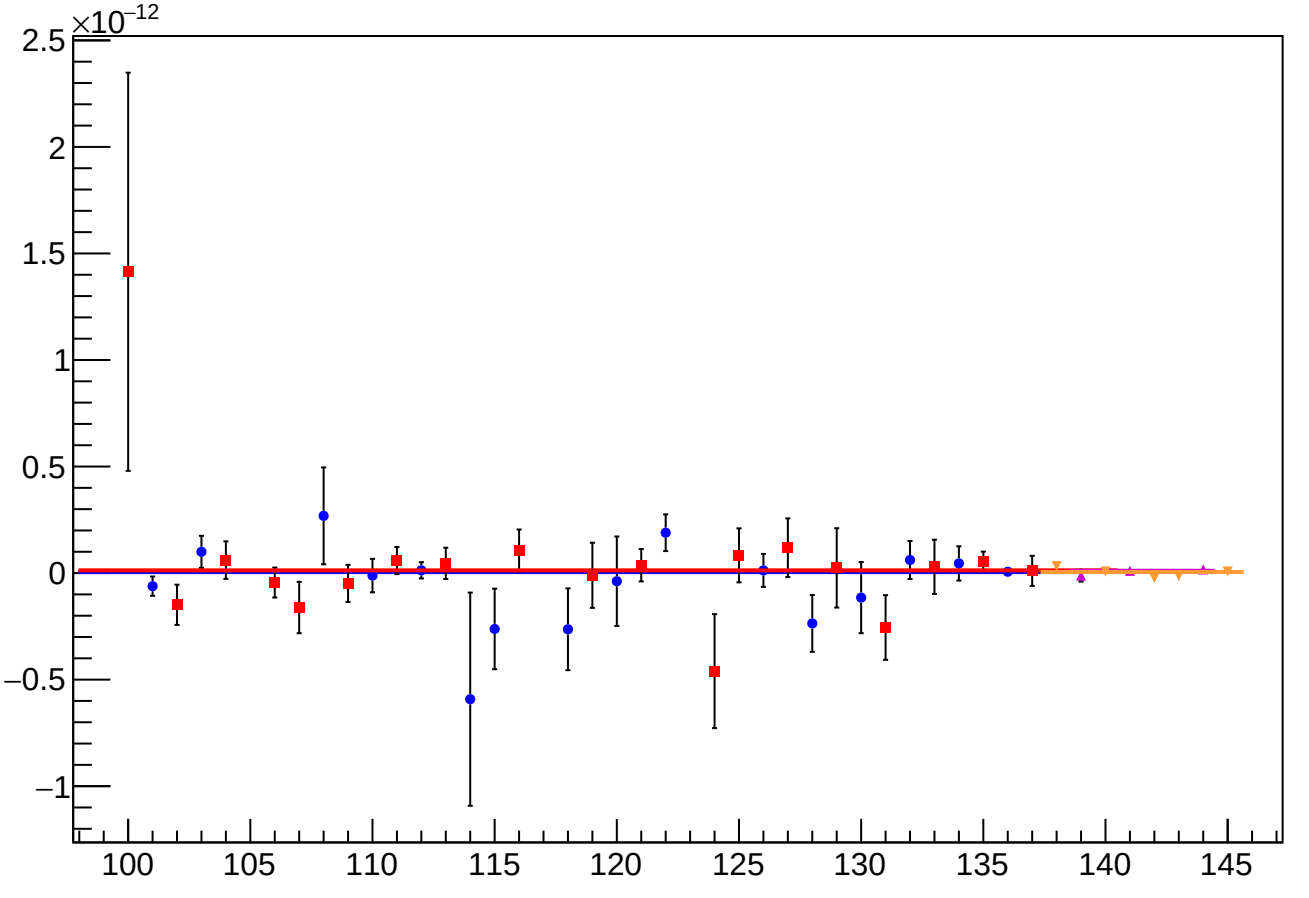
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 541.966+/-0.248 χ^2/NDF:371173.3/2

+ sign 710.347+/-0.164 χ^2/NDF: 2833643.2/20

All: 729.799+/-0.122 χ^2/NDF: 5505376.6/42

- sign 753.438+/-0.181 χ^2/NDF: 2640662.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/4

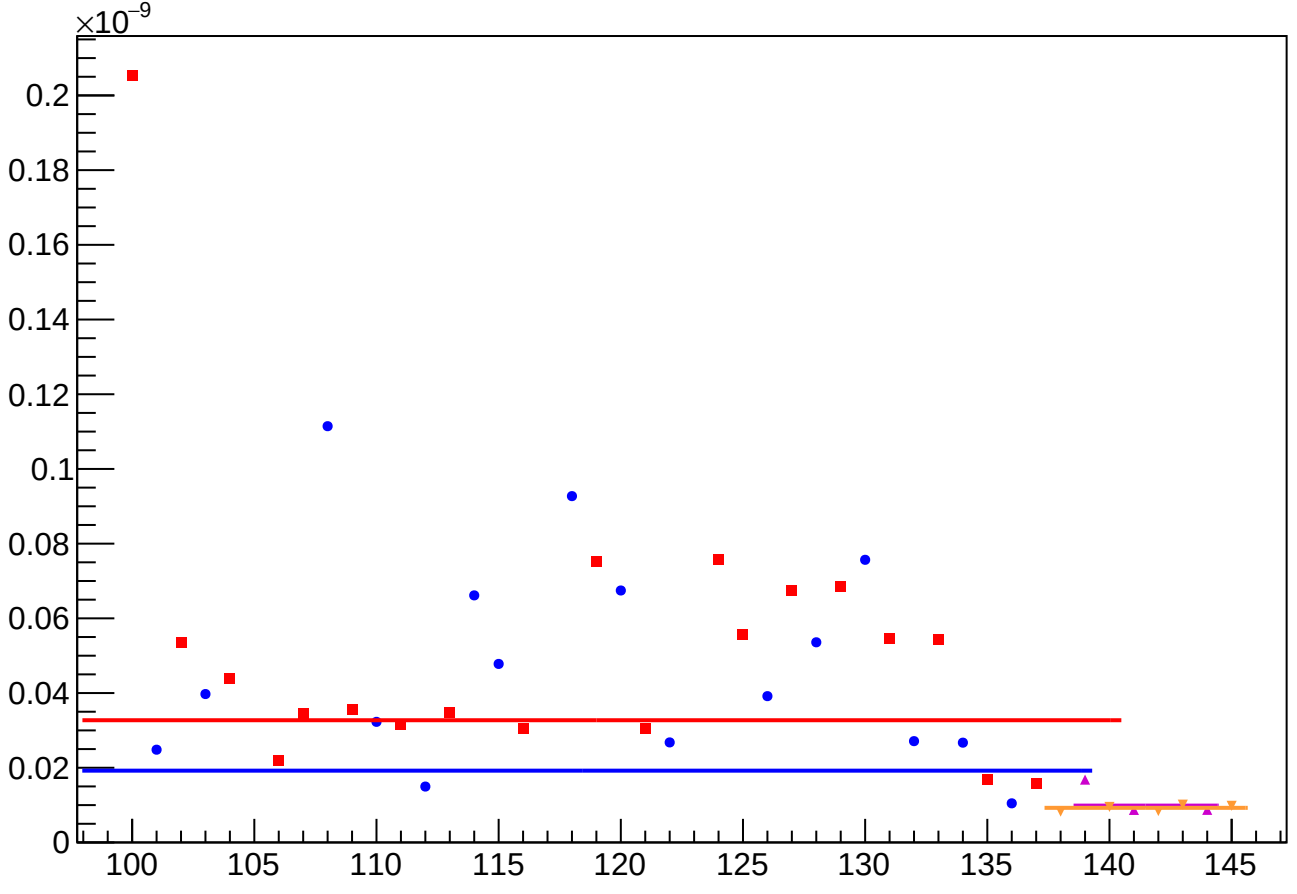
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 24.7/20

All: 0.000+/-0.000 χ^2/NDF: 44.3/42

- sign 0.000+/-0.000 χ^2/NDF: 19.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15768.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

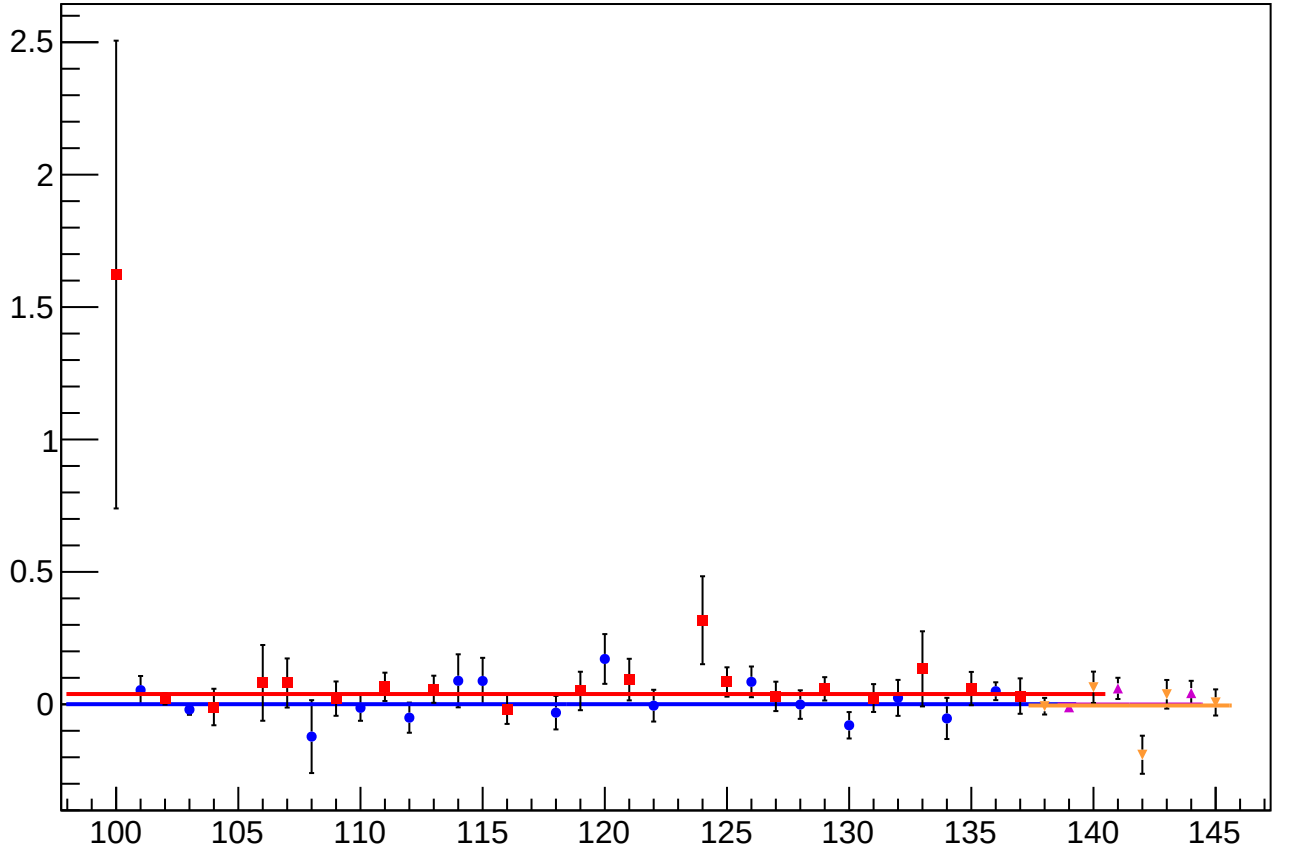
Left In: 0.000+/-0.000 χ^2/NDF:147506.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 2708086.6/20

All: 0.000+/-0.000 χ^2/NDF: 6086056.5/42

- sign 0.000+/-0.000 χ^2/NDF: 3273056.5/21

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

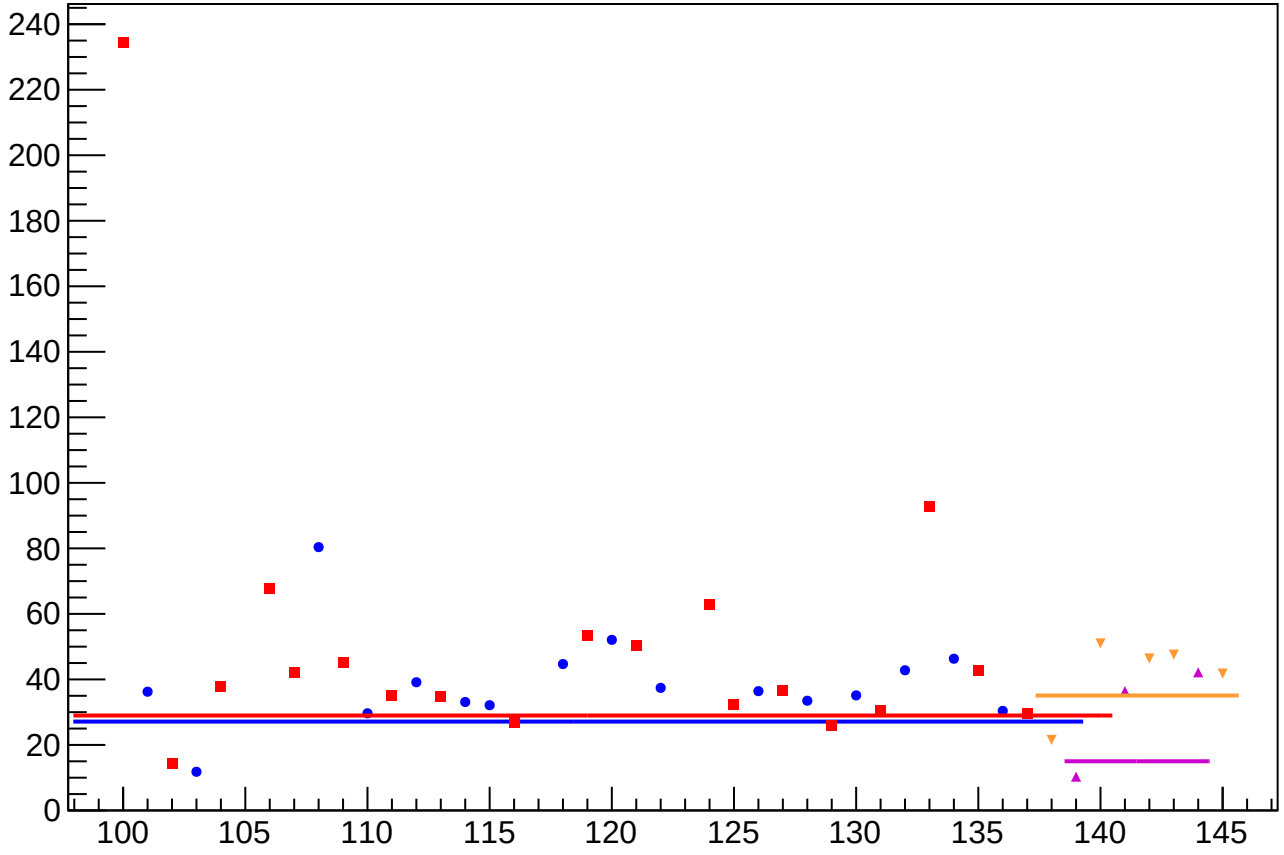
Left In: -0.001+/-0.012 χ^2/NDF:3.8/2

+ sign -0.001+/-0.010 χ^2/NDF: 25.2/20

All: 0.011+/-0.007 χ^2/NDF: 47.1/42

- sign 0.018+/-0.009 χ^2/NDF: 19.9/21

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

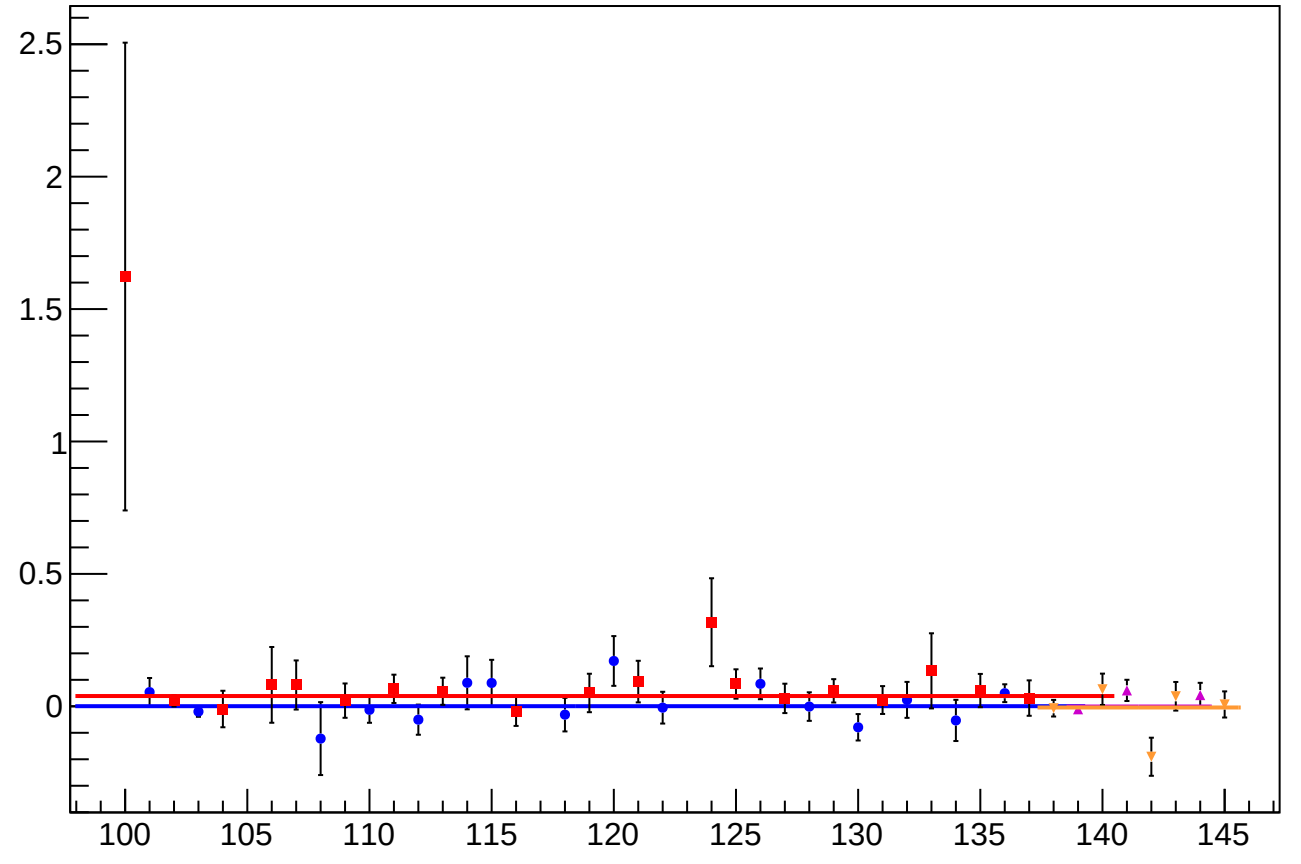
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 15.015+/-0.009 χ^2/NDF:1503916.1/2

+ sign 29.080+/-0.007 χ^2/NDF: 3340131.1/20

All: 24.820+/-0.005 χ^2/NDF: 9124785.6/42

- sign 21.796+/-0.006 χ^2/NDF: 5216494.0/21



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

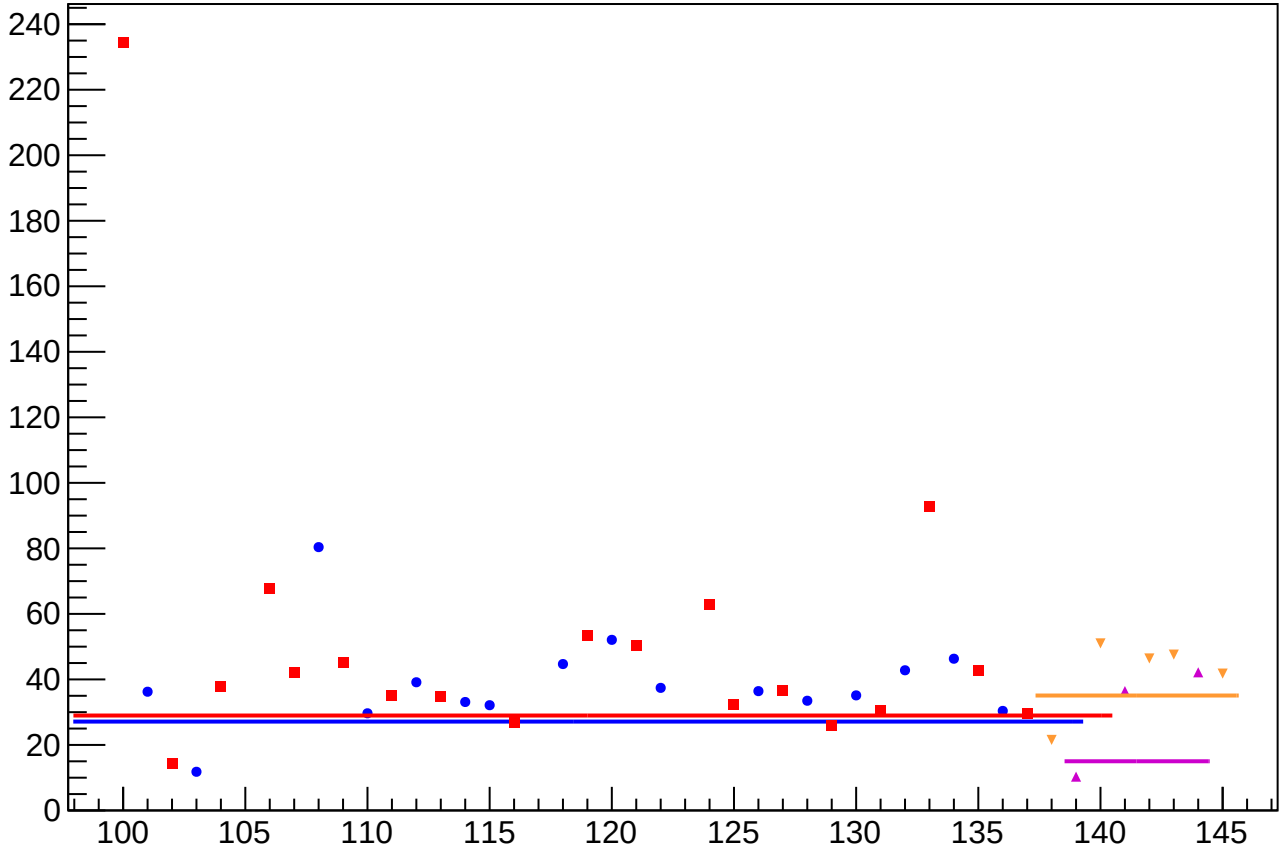
Left In: -0.001+/-0.012 χ^2/NDF:3.8/2

+ sign -0.001+/-0.010 χ^2/NDF: 25.2/20

All: 0.011+/-0.007 χ^2/NDF: 47.1/42

- sign 0.018+/-0.009 χ^2/NDF: 19.9/21

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

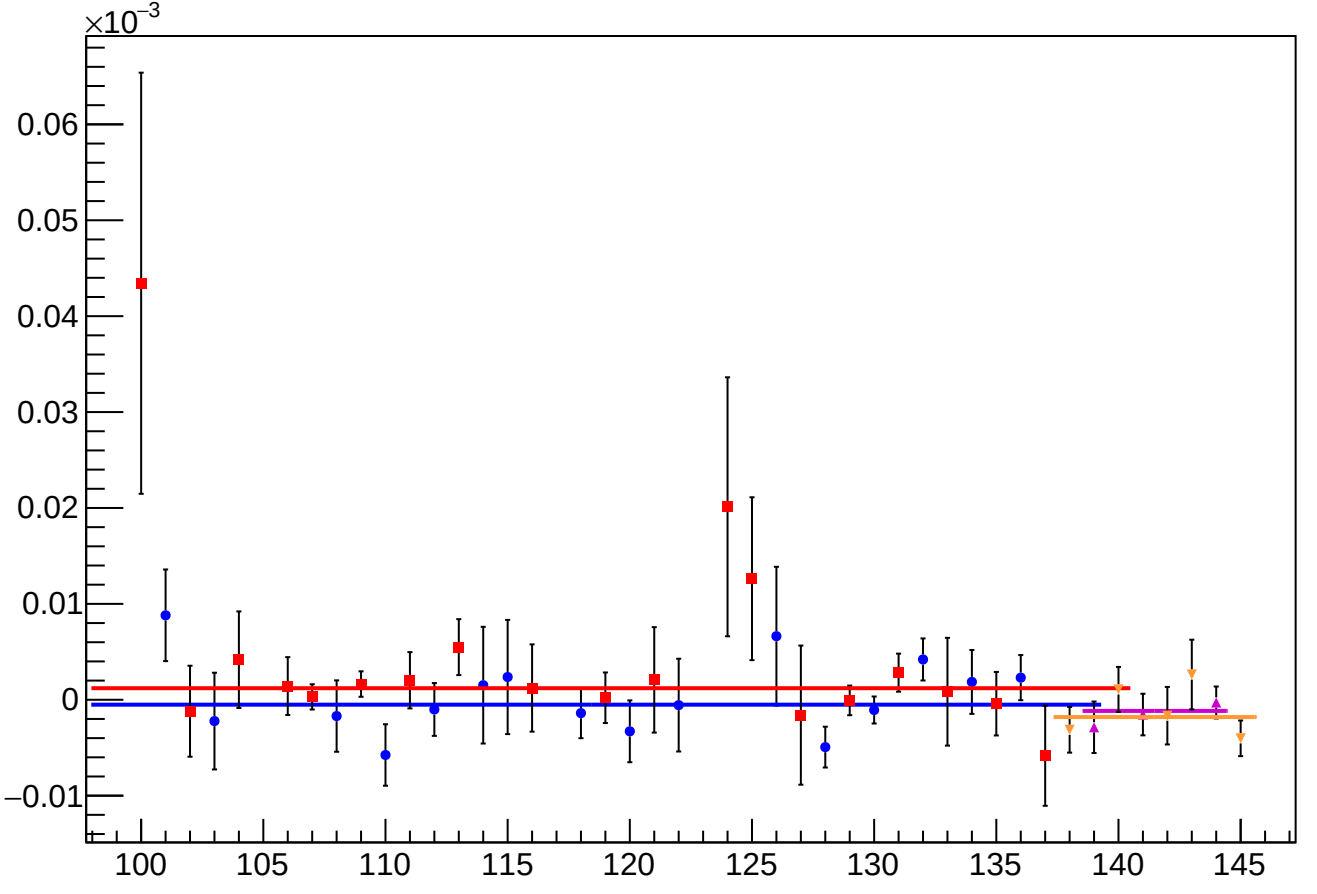
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 15.015+/-0.009 χ^2/NDF:1503916.1/2

+ sign 29.080+/-0.007 χ^2/NDF: 3340131.1/20

All: 24.820+/-0.005 χ^2/NDF: 9124785.6/42

- sign 21.796+/-0.006 χ^2/NDF: 5216494.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

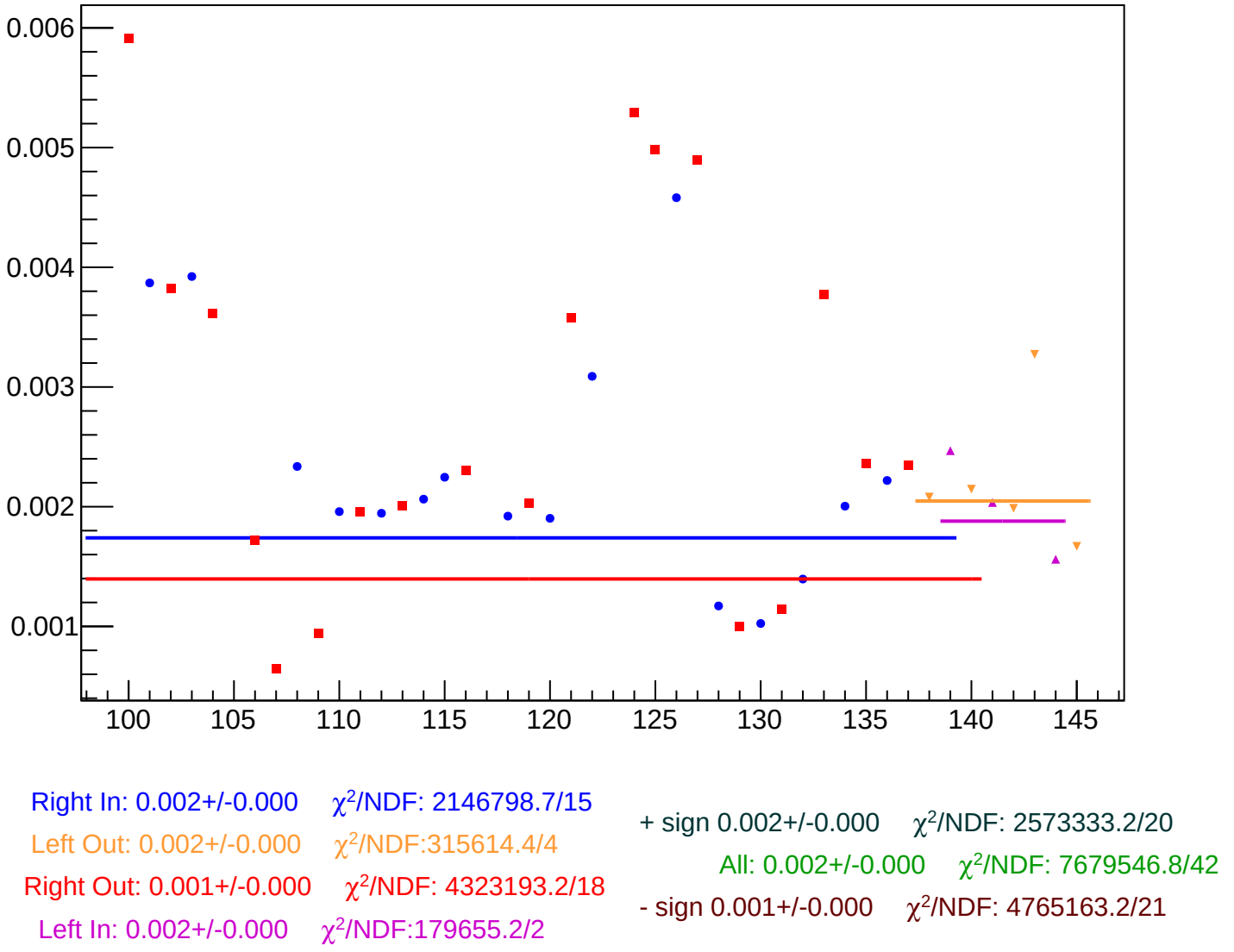
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/2

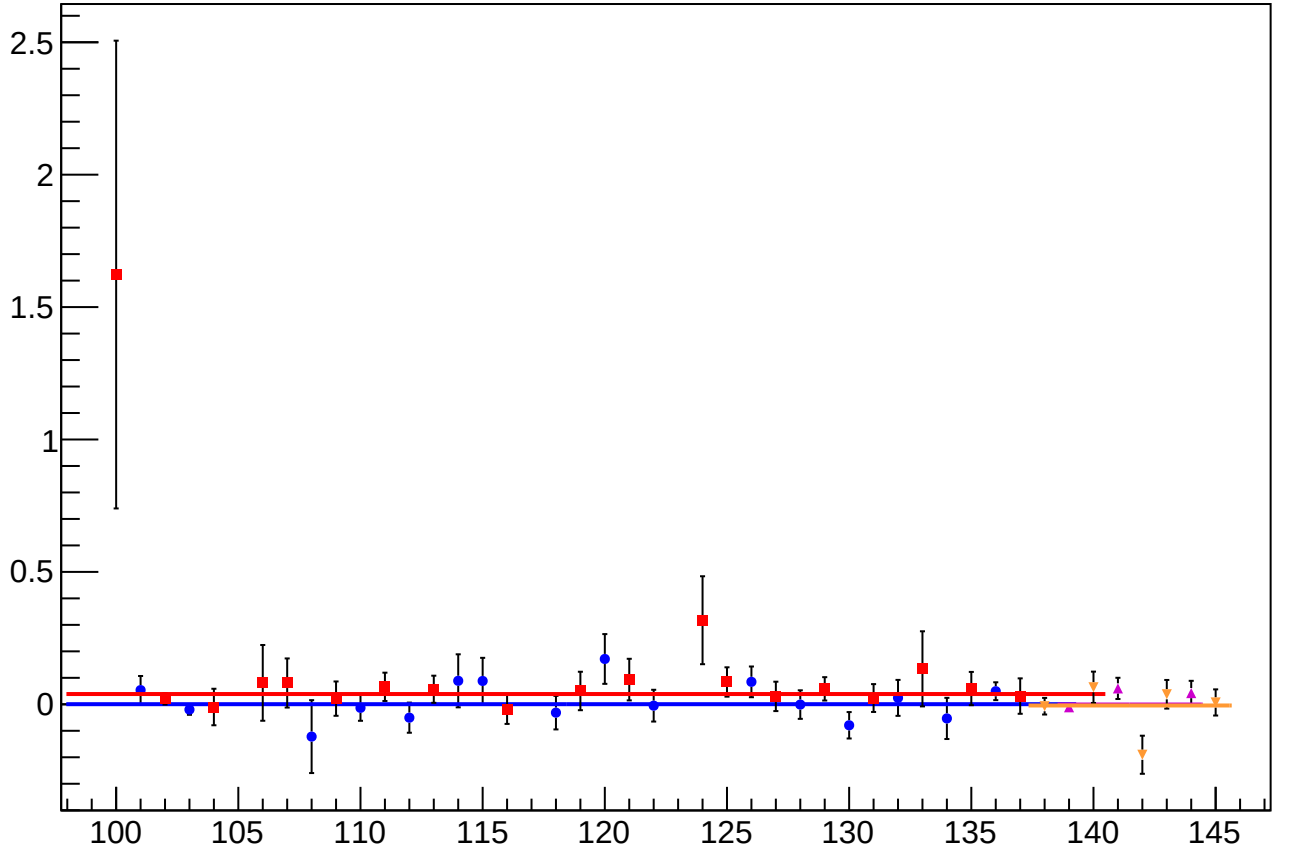
+ sign -0.000+/-0.000 χ^2/NDF: 25.7/20

All: -0.000+/-0.000 χ^2/NDF: 48.1/42

- sign 0.000+/-0.000 χ^2/NDF: 18.5/21


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.000 χ²/NDF: 2146798.7/15
Left Out: 0.002+/-0.000 χ²/NDF:315614.4/4
Right Out: 0.001+/-0.000 χ²/NDF: 4323193.2/18
Left In: 0.002+/-0.000 χ²/NDF:179655.2/2
+ sign 0.002+/-0.000 χ²/NDF: 2573333.2/20
All: 0.002+/-0.000 χ²/NDF: 7679546.8/42
- sign 0.001+/-0.000 χ²/NDF: 4765163.2/21

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

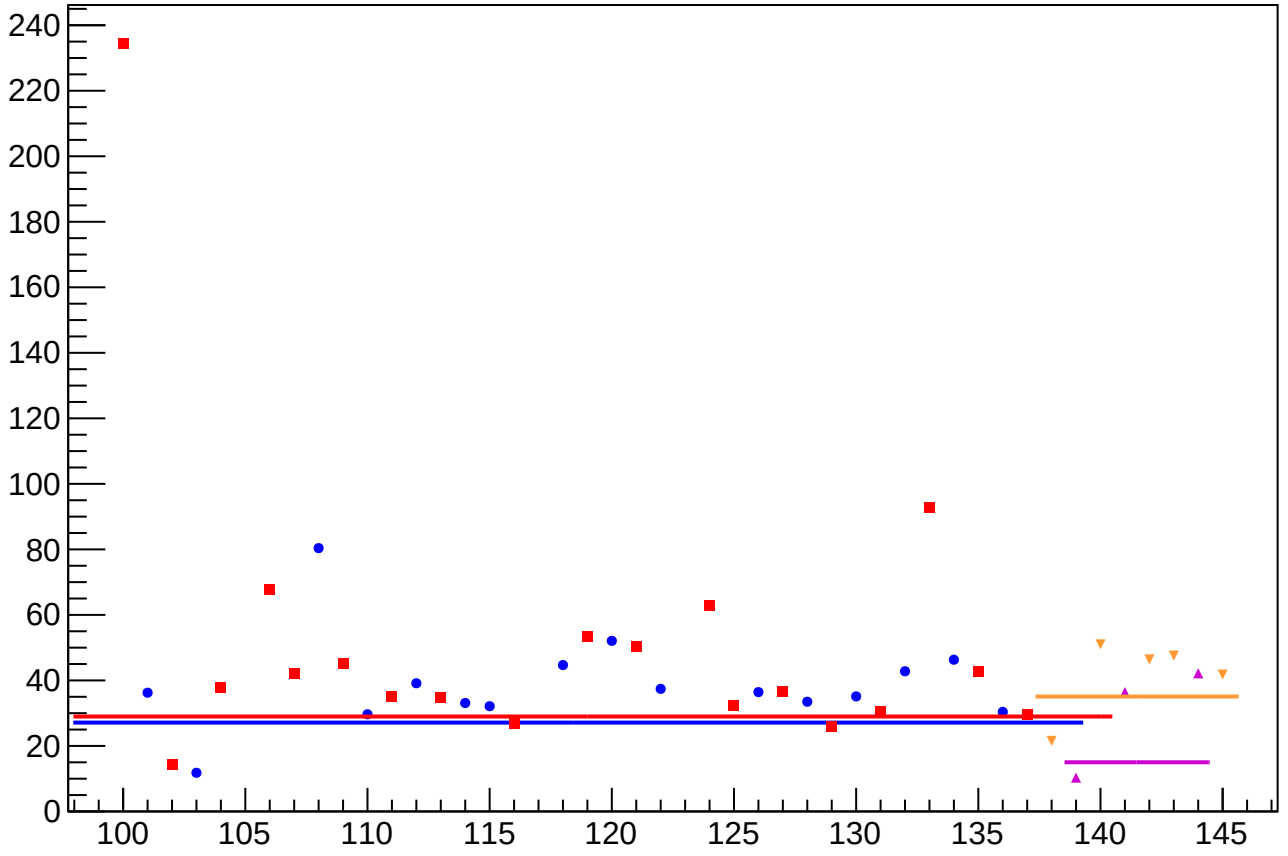
Left In: -0.001+/-0.012 χ^2/NDF:3.8/2

+ sign -0.001+/-0.010 χ^2/NDF: 25.2/20

All: 0.011+/-0.007 χ^2/NDF: 47.1/42

- sign 0.018+/-0.009 χ^2/NDF: 19.9/21

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

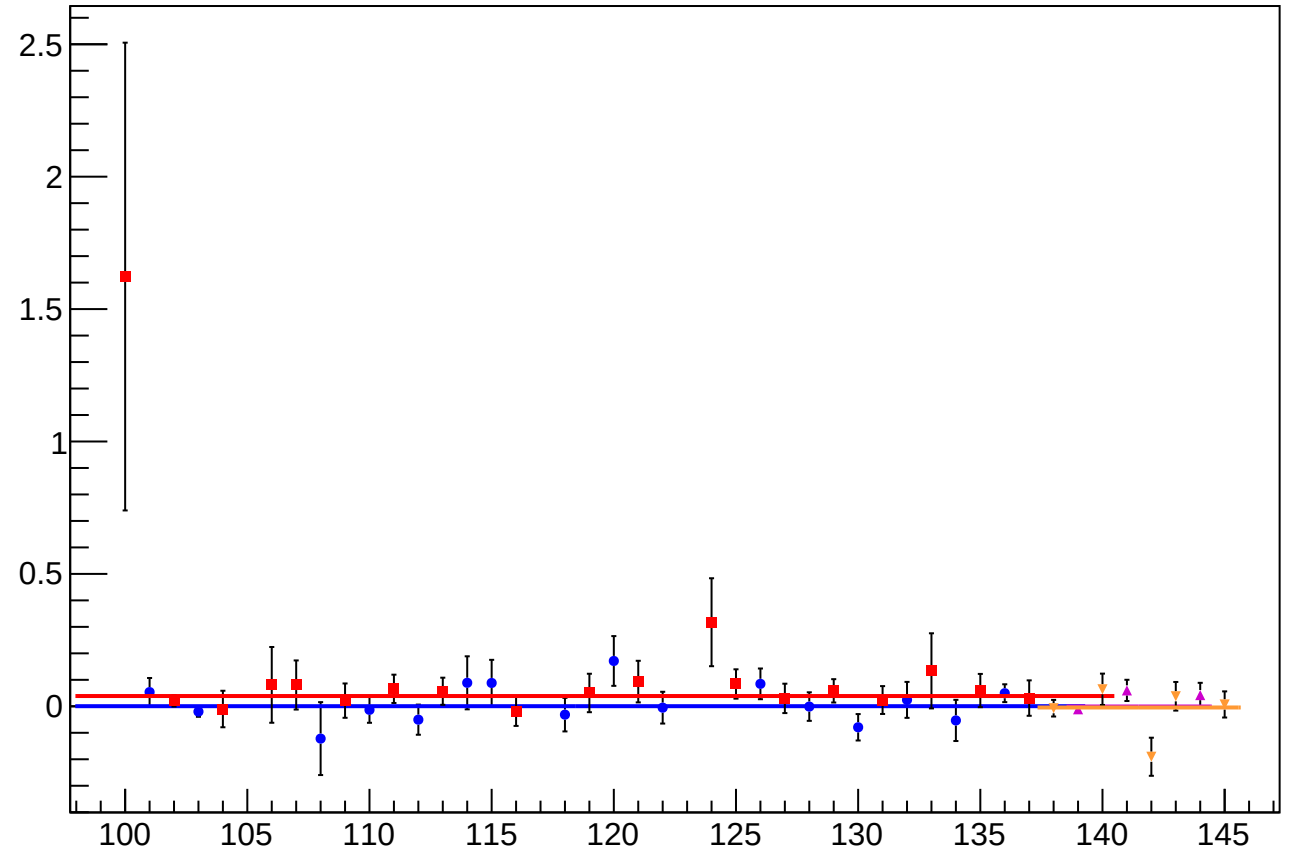
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 15.013+/-0.009 χ^2/NDF:1504106.0/2

+ sign 29.079+/-0.007 χ^2/NDF: 3340685.5/20

All: 24.819+/-0.005 χ^2/NDF: 9125686.3/42

- sign 21.795+/-0.006 χ^2/NDF: 5216904.9/21



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.021 χ^2/NDF:8.7/4

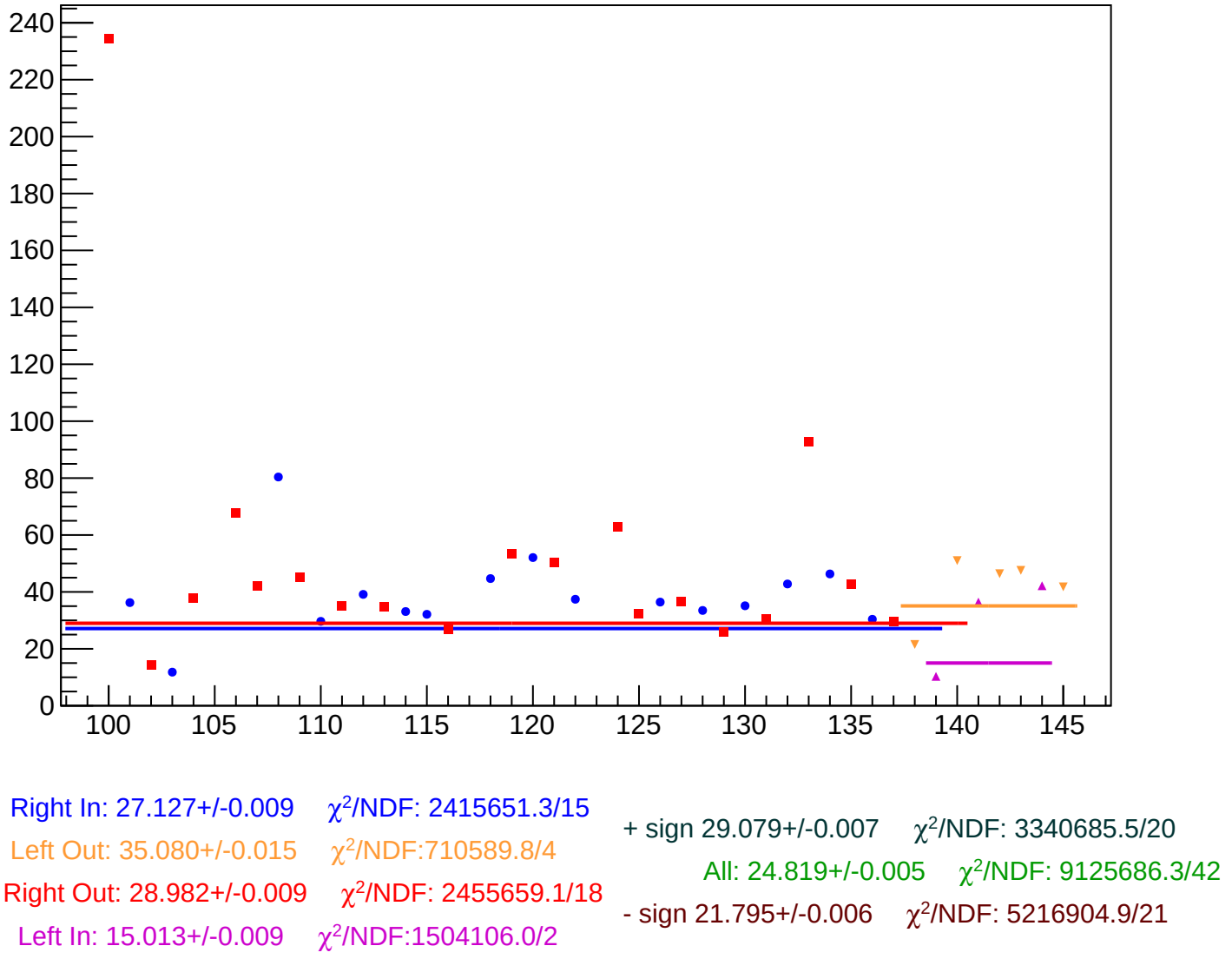
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

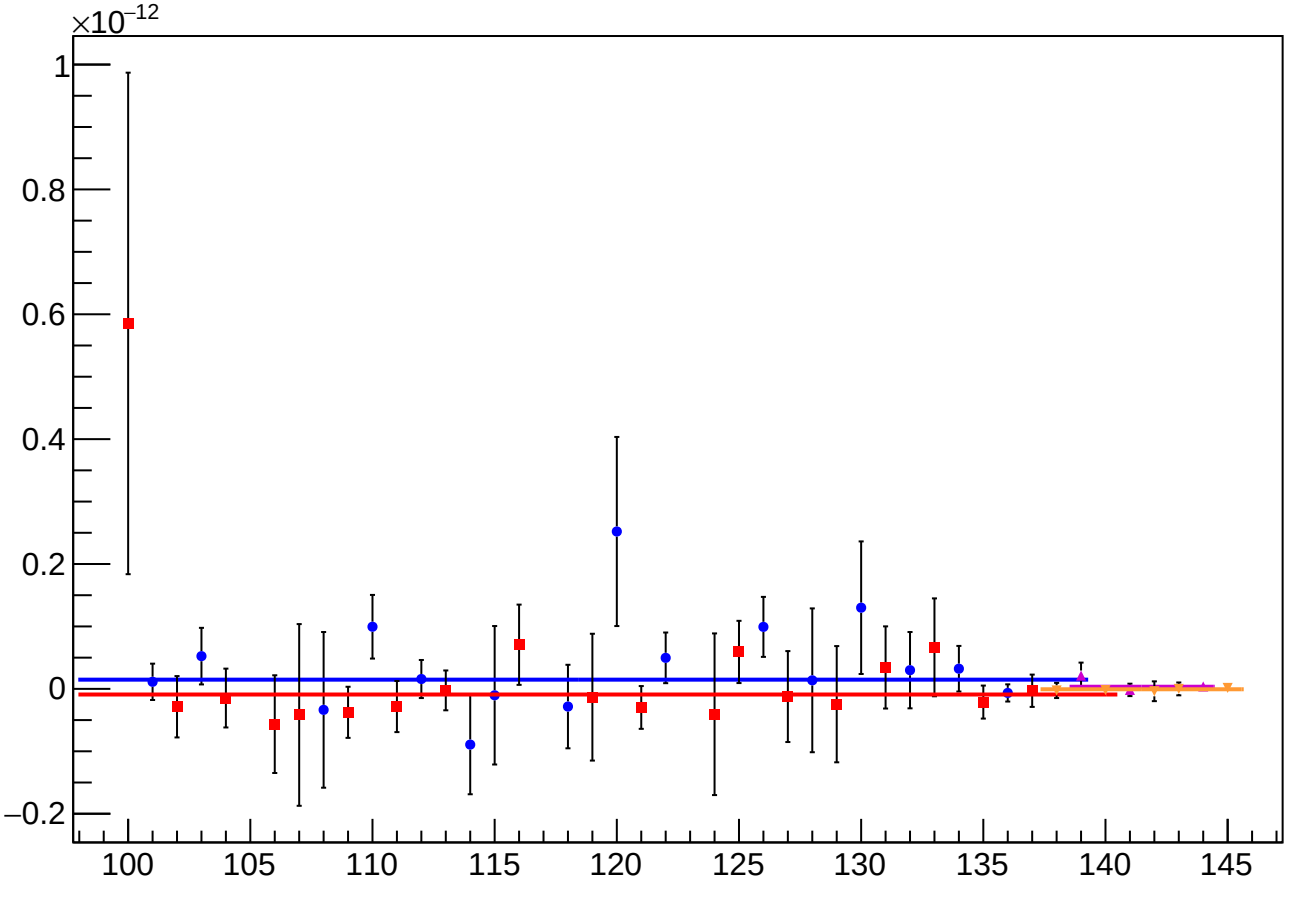
Left In: -0.001+/-0.012 χ^2/NDF:3.8/2

+ sign -0.001+/-0.010 χ^2/NDF: 25.2/20

All: 0.011+/-0.007 χ^2/NDF: 47.1/42

- sign 0.018+/-0.009 χ^2/NDF: 19.9/21


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
240
220
200
180
160
140
120
100
80
60
40
20
0
100
105
110
115
120
125
130
135
140
145
Right In: 27.127+/-0.009 χ²/NDF: 2415651.3/15
Left Out: 35.080+/-0.015 χ²/NDF:710589.8/4
Right Out: 28.982+/-0.009 χ²/NDF: 2455659.1/18
Left In: 15.013+/-0.009 χ²/NDF:1504106.0/2
+ sign 29.079+/-0.007 χ²/NDF: 3340685.5/20
All: 24.819+/-0.005 χ²/NDF: 9125686.3/42
- sign 21.795+/-0.006 χ²/NDF: 5216904.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/4

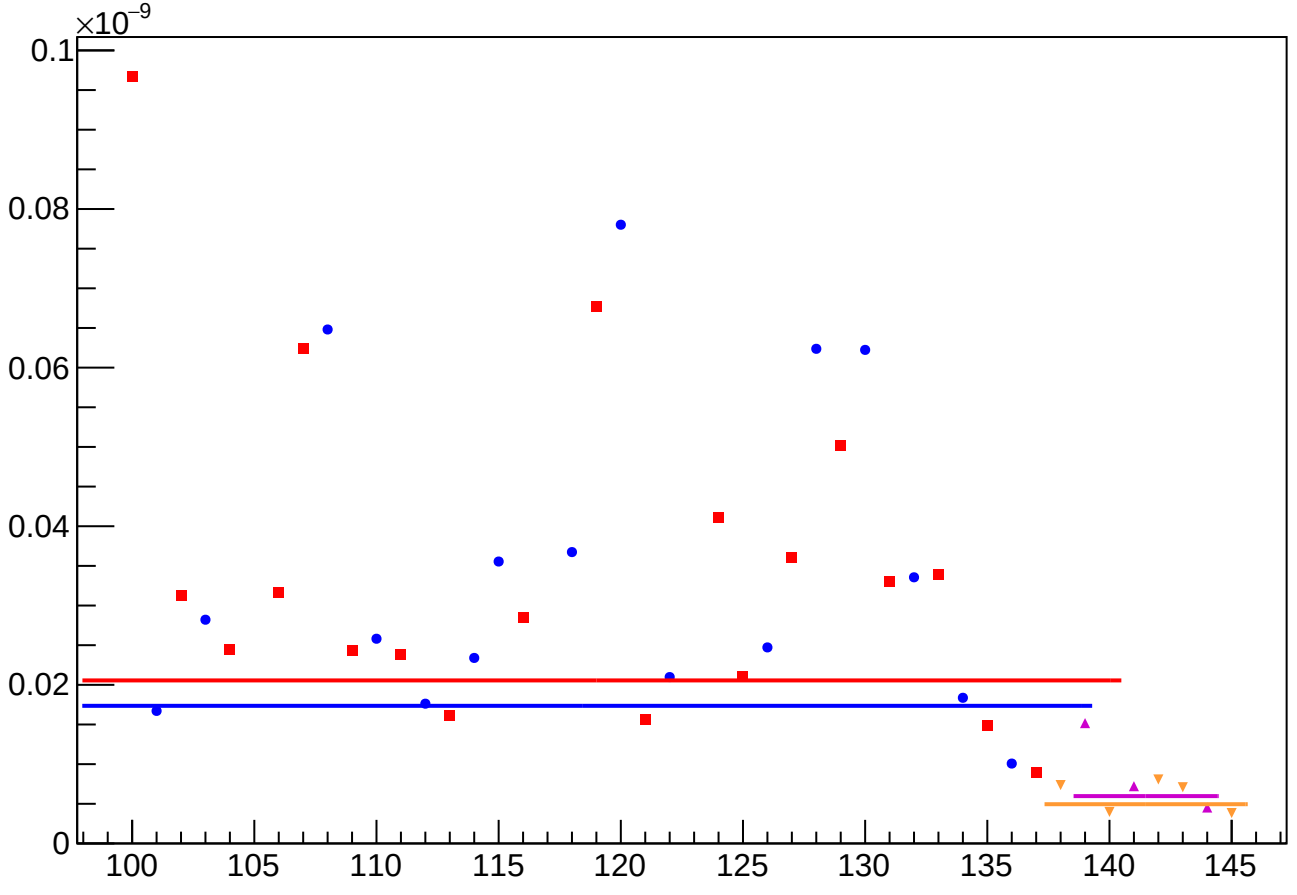
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/20

All: 0.000+/-0.000 χ^2/NDF: 29.5/42

- sign 0.000+/-0.000 χ^2/NDF: 11.1/21



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

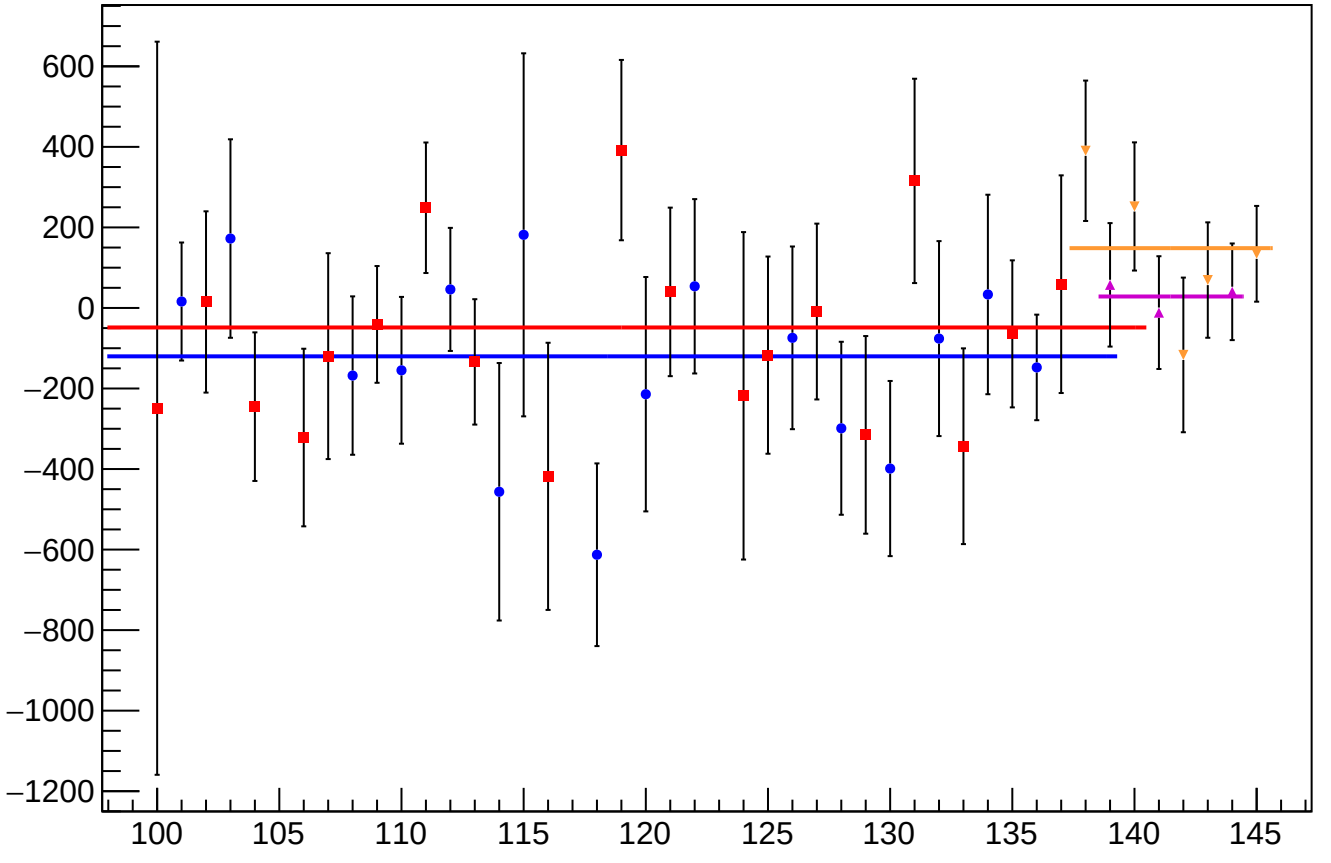
Left In: 0.000+/-0.000 χ^2/NDF:520352.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 5739225.5/20

All: 0.000+/-0.000 χ^2/NDF: 11356496.5/42

- sign 0.000+/-0.000 χ^2/NDF: 5381411.6/21

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

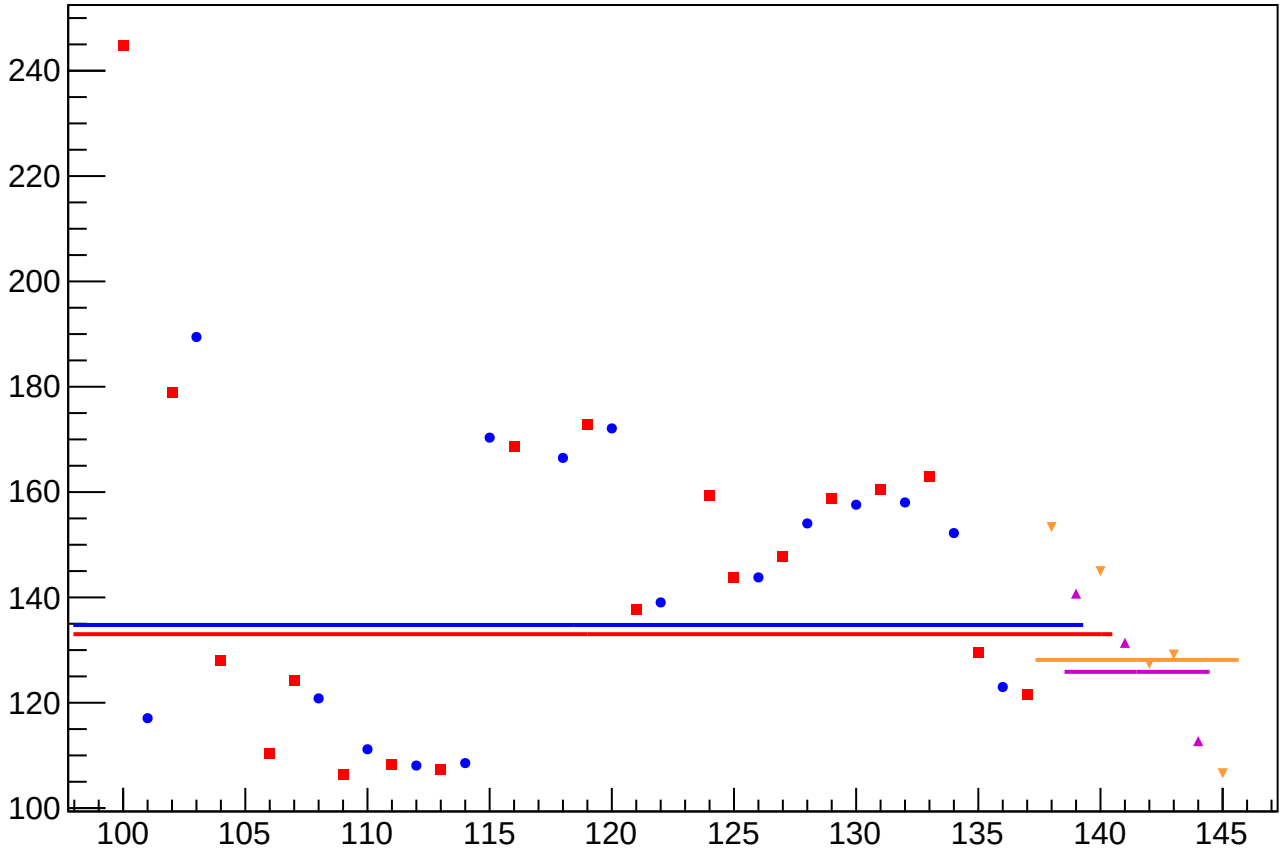
Left In: 28.467+/-78.320 χ^2/NDF:0.1/2

+ sign -22.420+/-40.761 χ^2/NDF: 28.0/20

All: -24.266+/-29.281 χ^2/NDF: 45.9/42

- sign -26.235+/-42.090 χ^2/NDF: 17.8/21

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

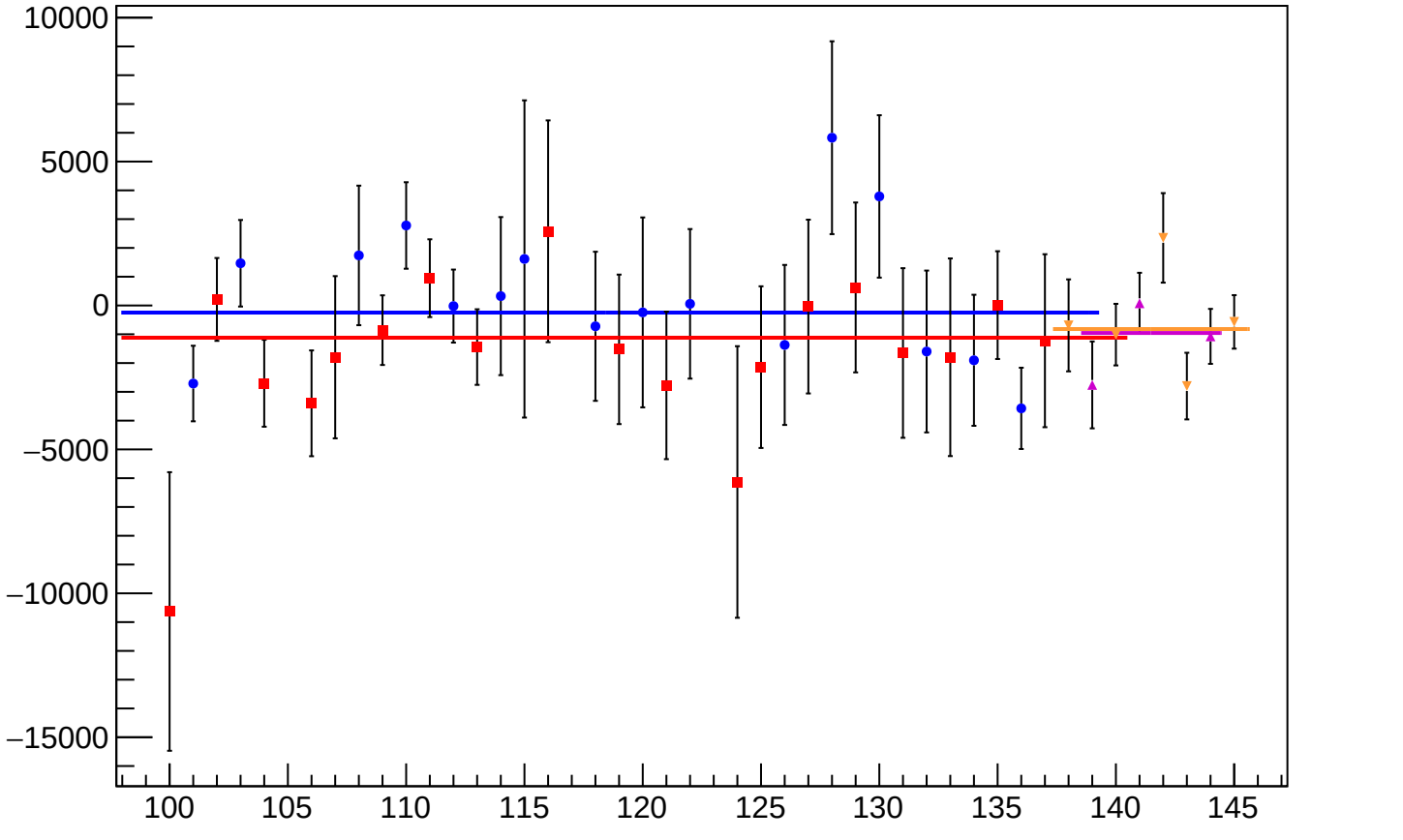
Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 125.870+/-0.055 χ^2/NDF:45878.5/2

+ sign 132.356+/-0.029 χ^2/NDF: 559050.8/20

All: 131.678+/-0.021 χ^2/NDF: 1113644.3/42

- sign 130.954+/-0.030 χ^2/NDF: 553448.8/21



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

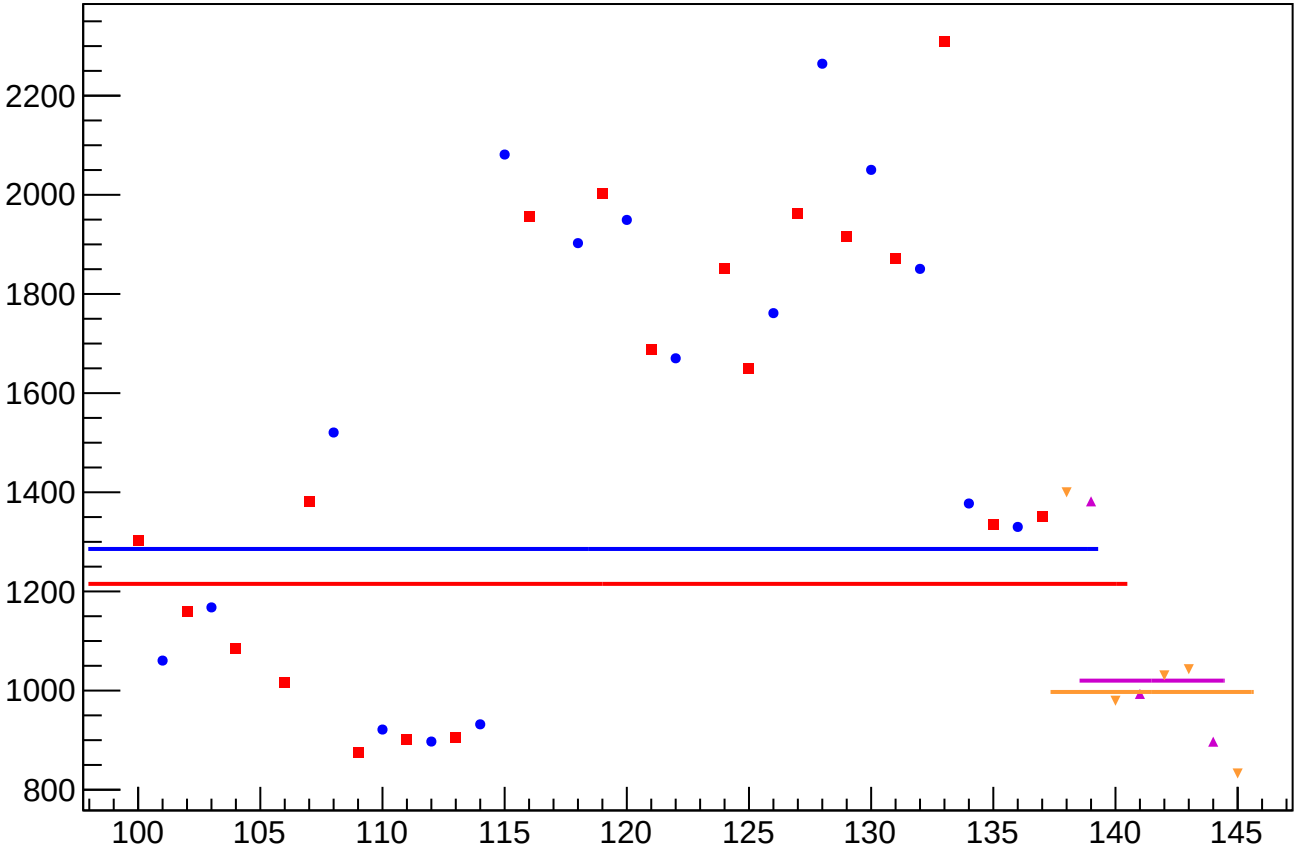
Left In: -955.411+/-641.786 χ^2/NDF:2.4/2

+ sign -517.528+/-363.696 χ^2/NDF: 29.4/20

All: -779.218+/-262.199 χ^2/NDF: 46.3/42

- sign -1062.420+/-378.350 χ^2/NDF: 15.8/21

asym_sam_48_avg_reg_correction_rms vs Slug



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

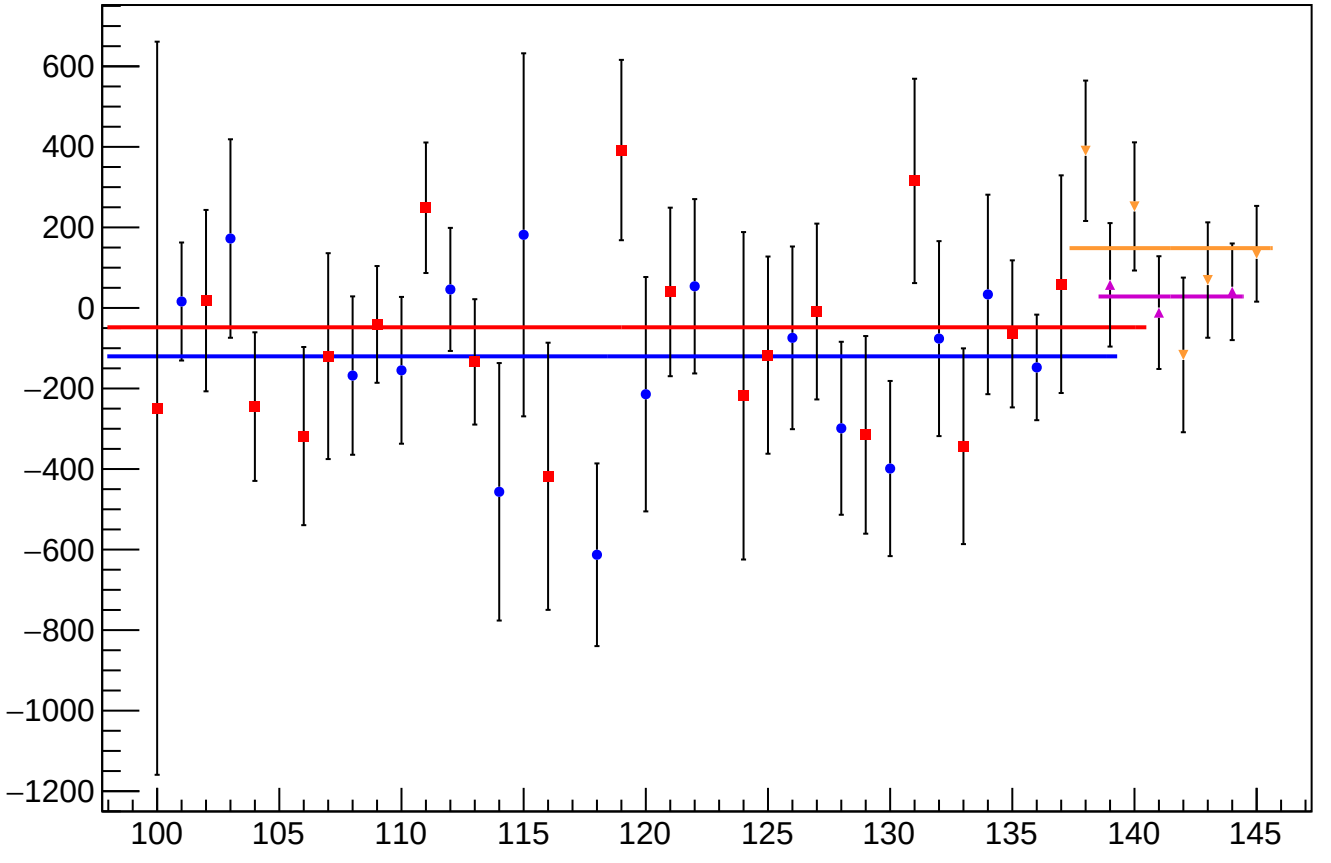
Left In: 1020.070+/-0.454 χ^2/NDF:149416.6/2

+ sign 1148.983+/-0.257 χ^2/NDF: 1678309.7/20

All: 1148.227+/-0.185 χ^2/NDF: 3334708.9/42

- sign 1147.409+/-0.268 χ^2/NDF: 1656381.2/21

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

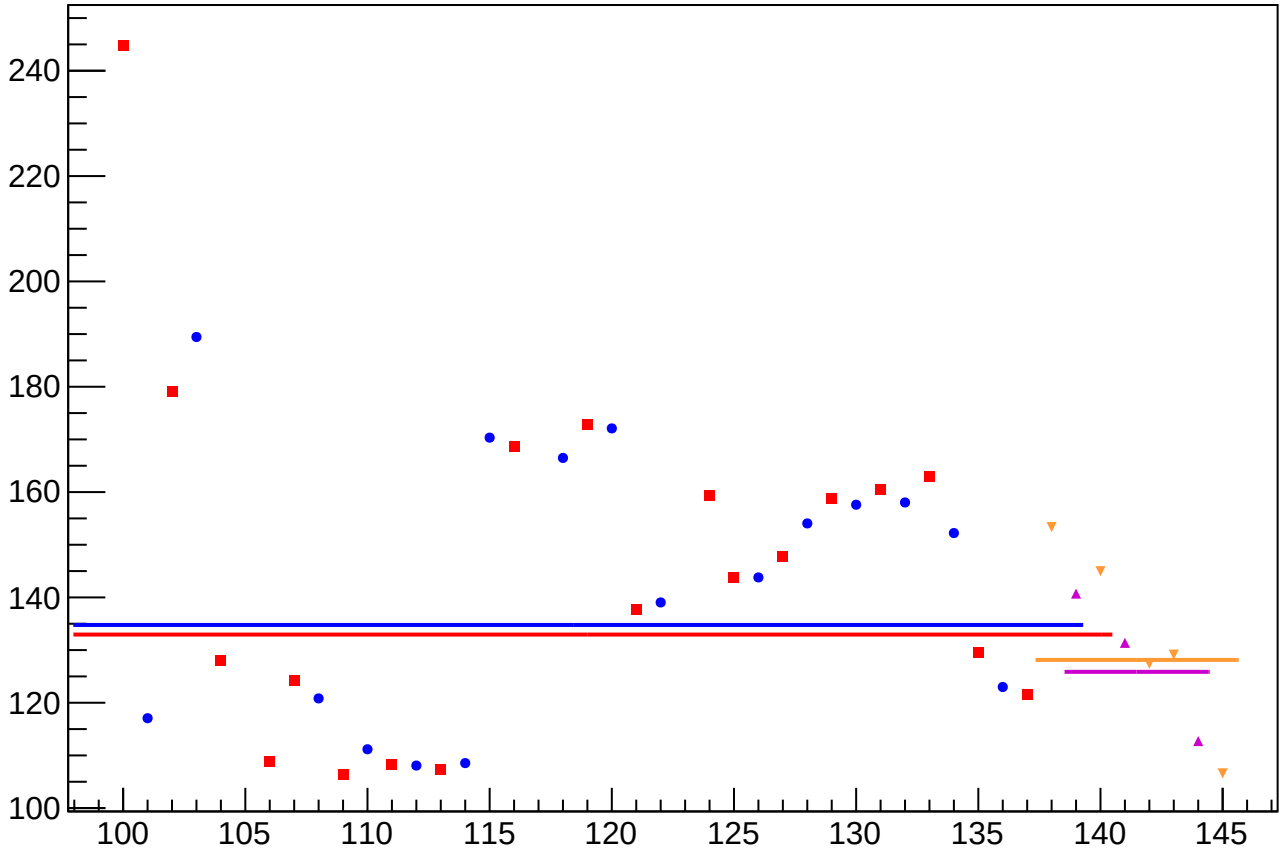
Left In: 28.459+/-78.320 χ^2/NDF:0.1/2

+ sign -22.419+/-40.761 χ^2/NDF: 28.0/20

All: -24.114+/-29.283 χ^2/NDF: 45.8/42

- sign -25.921+/-42.095 χ^2/NDF: 17.8/21

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

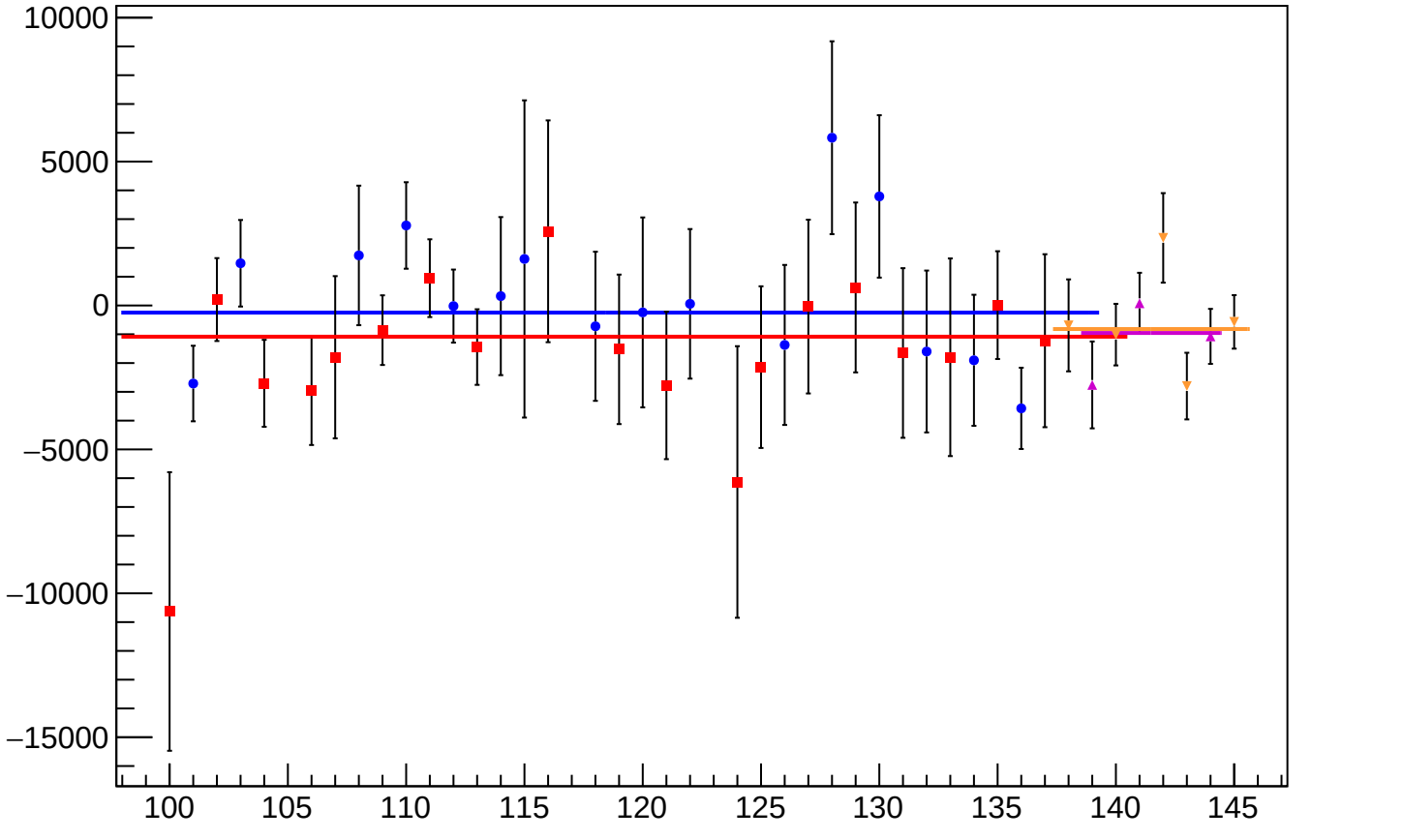
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.870+/-0.055 χ^2/NDF:45878.5/2

+ sign 132.356+/-0.029 χ^2/NDF: 559053.9/20

All: 131.653+/-0.021 χ^2/NDF: 1116627.3/42

- sign 130.902+/-0.030 χ^2/NDF: 556342.3/21



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

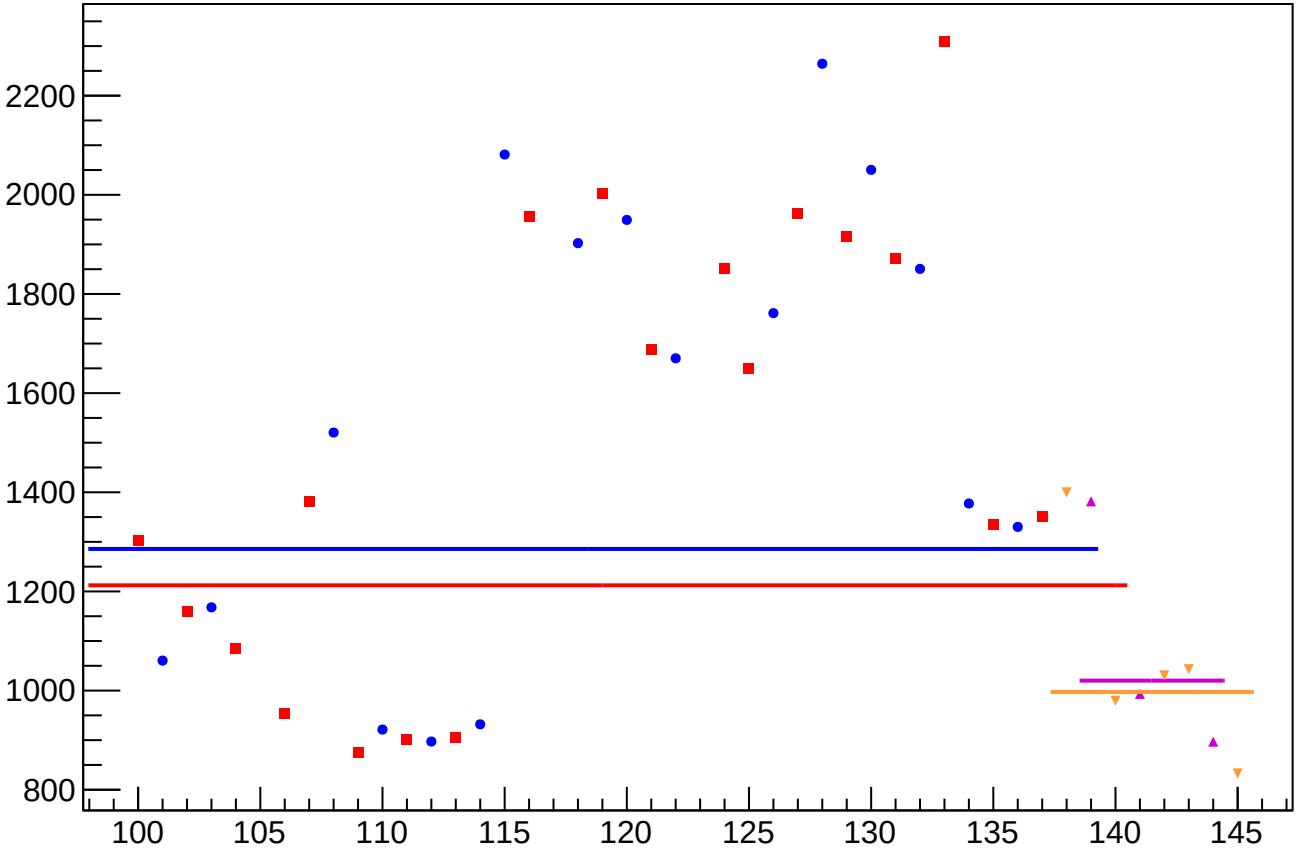
Left In: -955.431+/-641.786 χ^2/NDF:2.4/2

+ sign -517.559+/-363.697 χ^2/NDF: 29.4/20

All: -767.779+/-262.362 χ^2/NDF: 45.6/42

- sign -1039.264+/-378.836 χ^2/NDF: 15.2/21

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

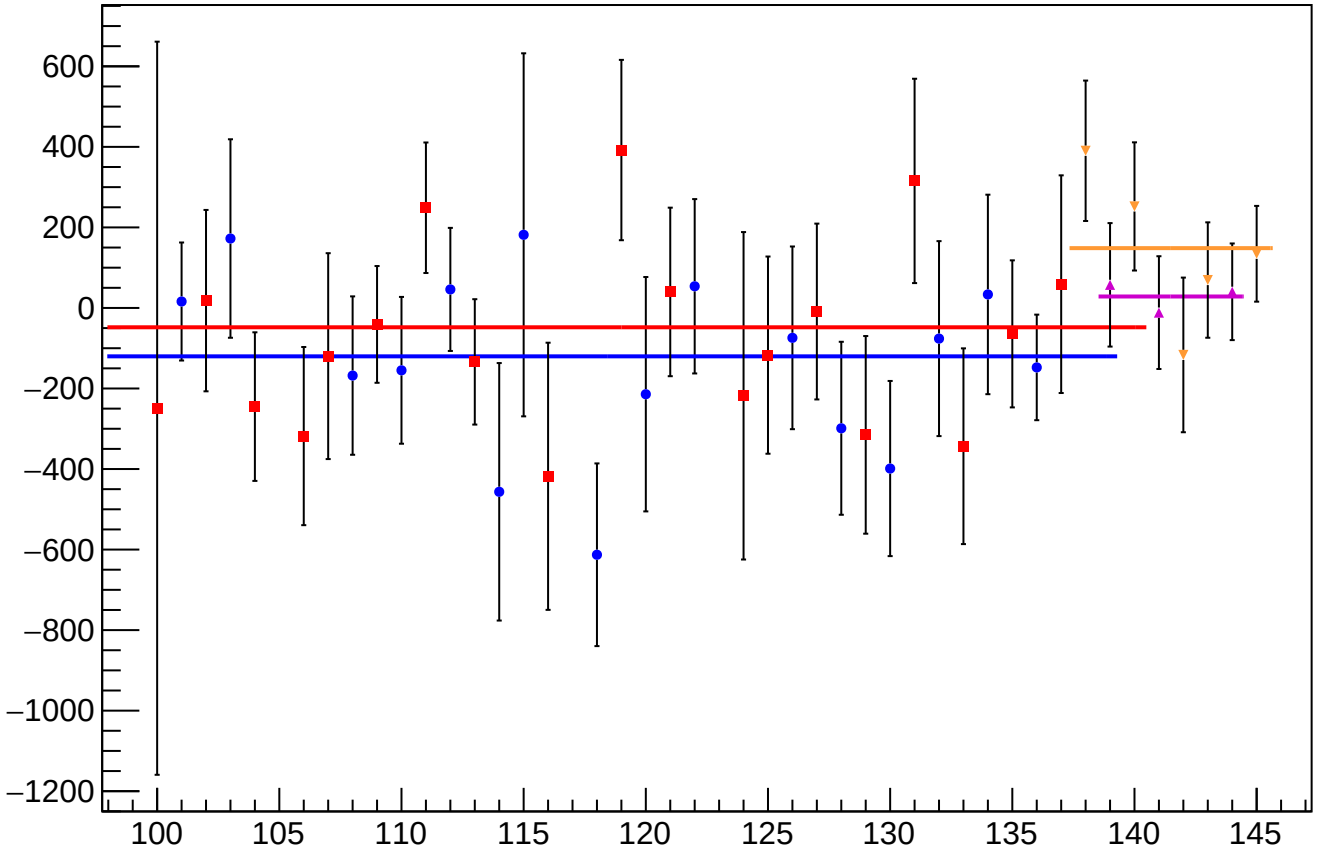
Left In: 1020.071+/-0.454 χ^2/NDF:149415.6/2

+ sign 1148.988+/-0.257 χ^2/NDF: 1678314.2/20

All: 1147.221+/-0.186 χ^2/NDF: 3345342.2/42

- sign 1145.305+/-0.268 χ^2/NDF: 1666929.6/21

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

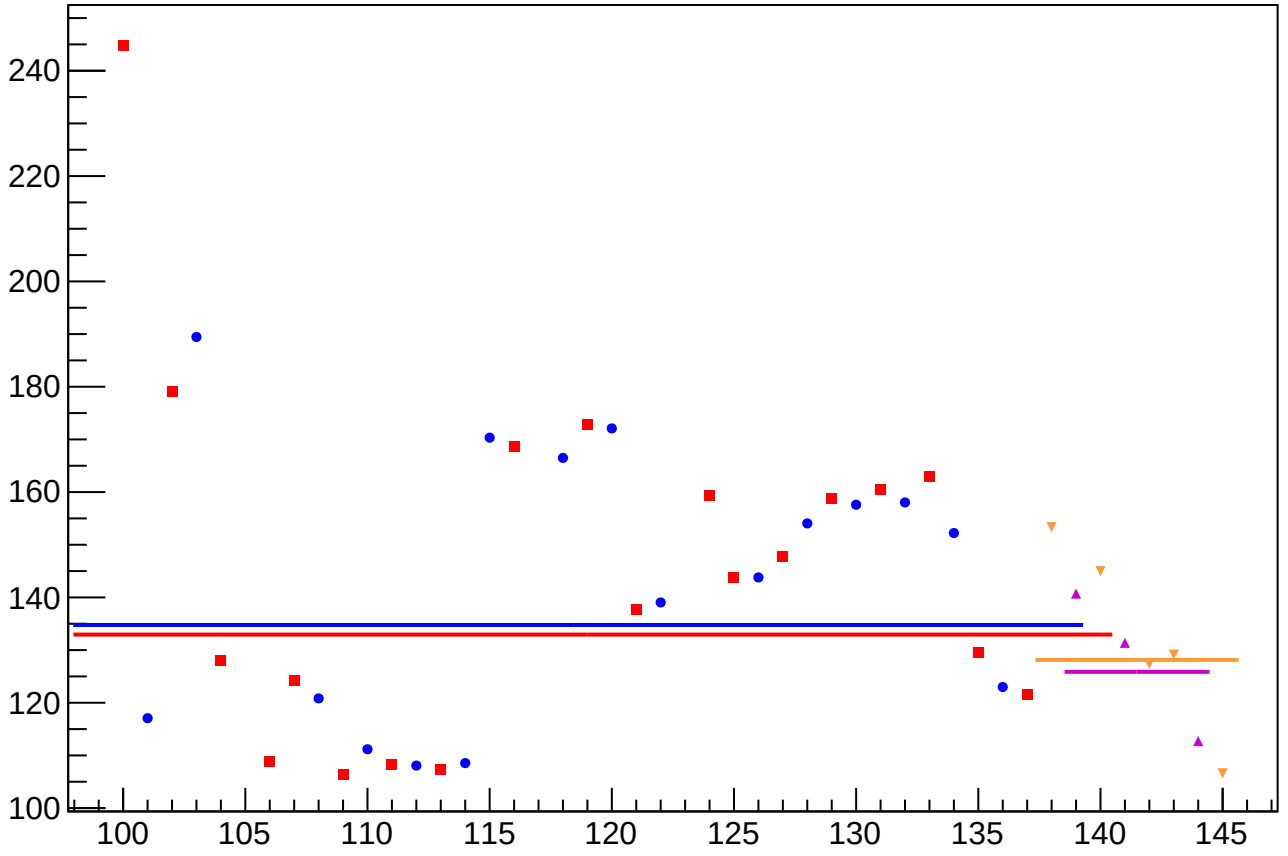
Left In: 28.459+/-78.320 χ^2/NDF:0.1/2

+ sign -22.419+/-40.761 χ^2/NDF: 28.0/20

All: -24.114+/-29.283 χ^2/NDF: 45.8/42

- sign -25.921+/-42.095 χ^2/NDF: 17.8/21

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

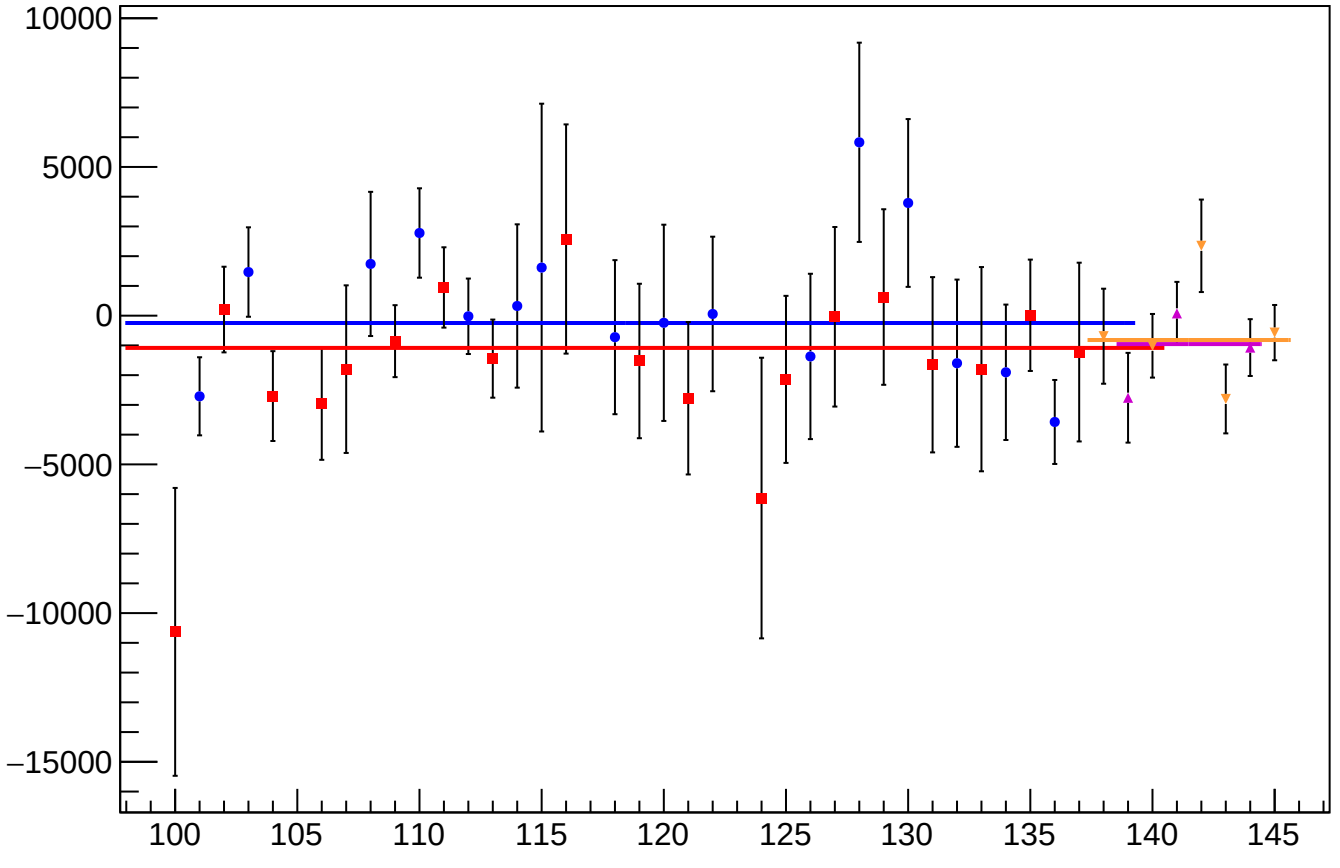
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.870+/-0.055 χ^2/NDF:45878.5/2

+ sign 132.356+/-0.029 χ^2/NDF: 559053.9/20

All: 131.653+/-0.021 χ^2/NDF: 1116627.3/42

- sign 130.902+/-0.030 χ^2/NDF: 556342.3/21



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -818.573+/-528.328 χ^2/NDF:7.2/4

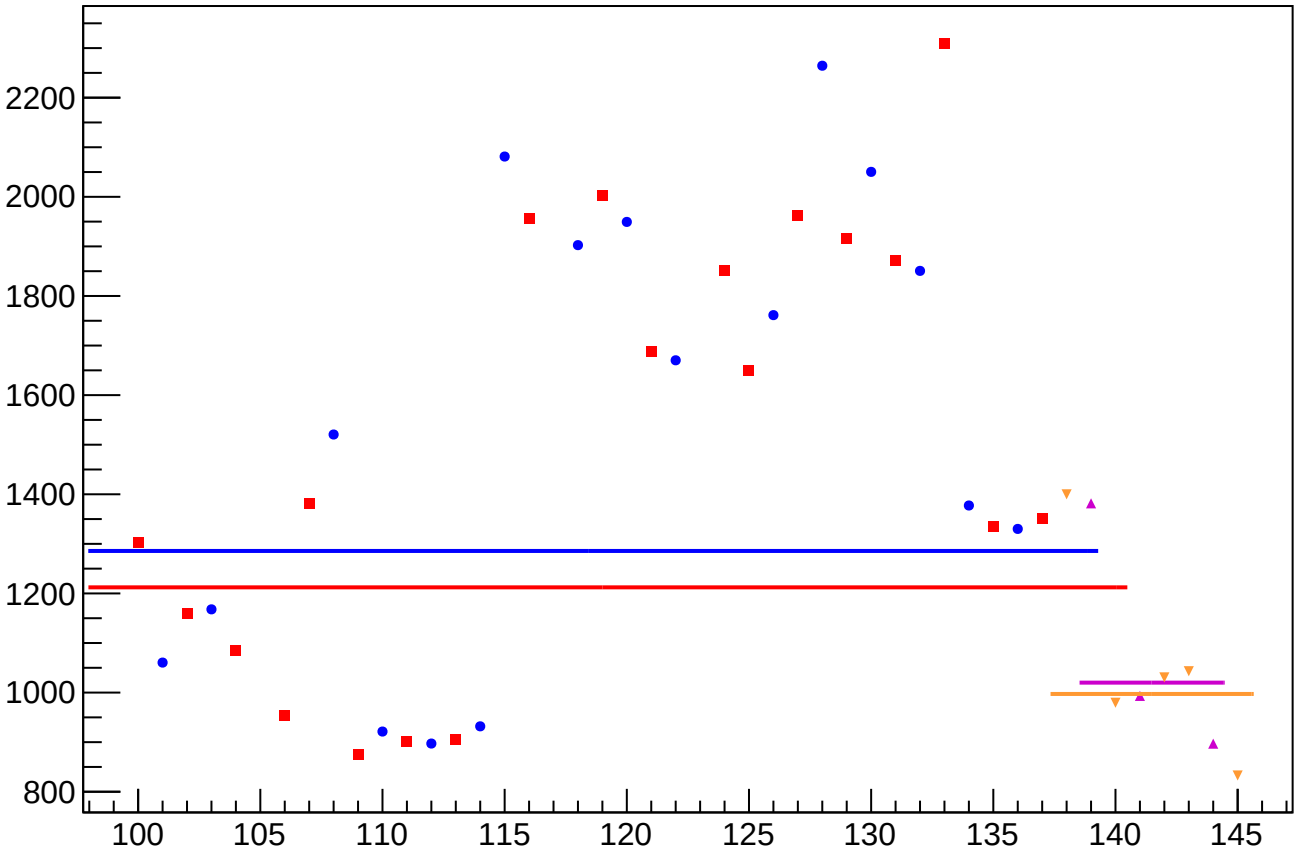
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -955.431+/-641.786 χ^2/NDF:2.4/2

+ sign -517.559+/-363.697 χ^2/NDF: 29.4/20

All: -767.779+/-262.362 χ^2/NDF: 45.6/42

- sign -1039.264+/-378.836 χ^2/NDF: 15.2/21



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

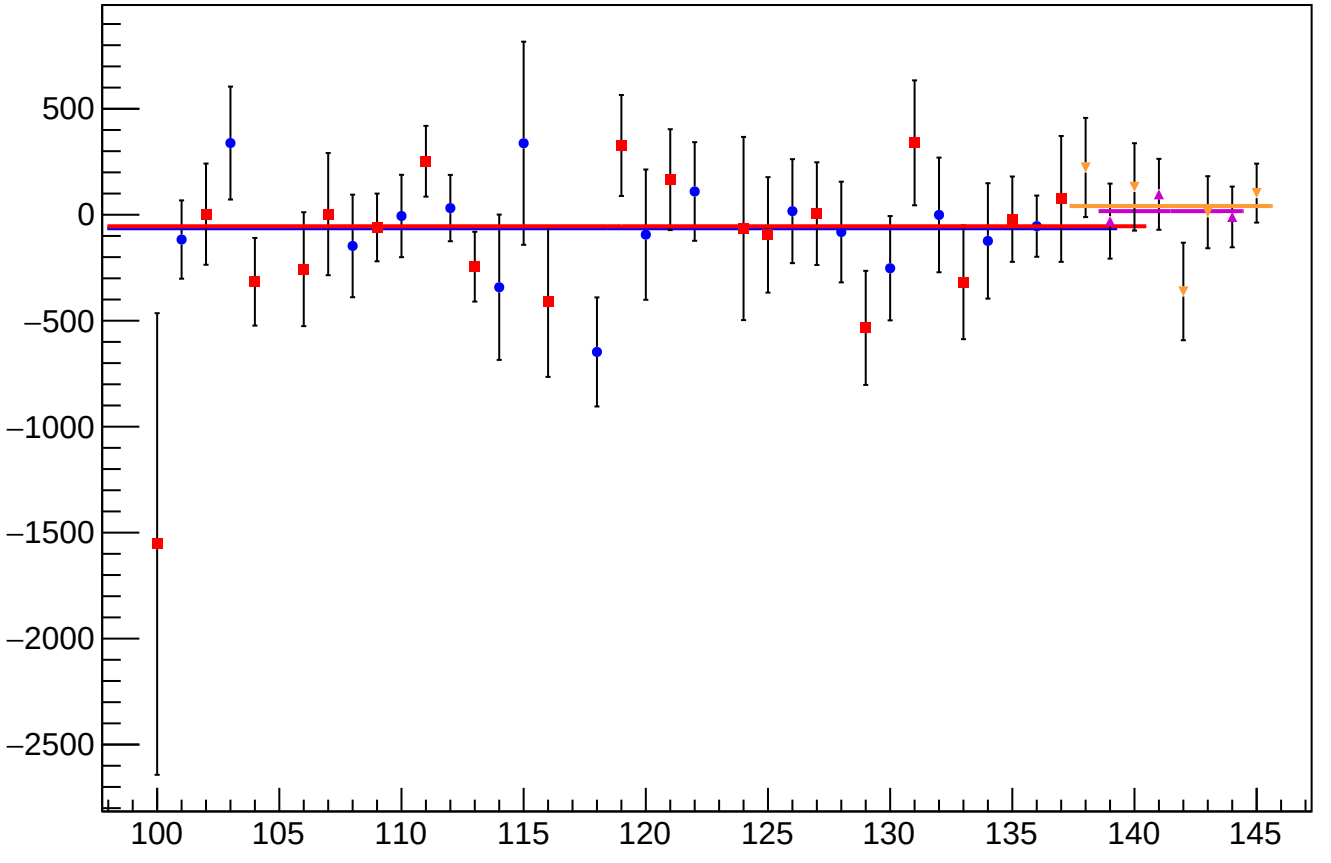
Left In: 1020.071+/-0.454 χ^2/NDF:149415.6/2

+ sign 1148.988+/-0.257 χ^2/NDF: 1678314.2/20

All: 1147.221+/-0.186 χ^2/NDF: 3345342.2/42

- sign 1145.305+/-0.268 χ^2/NDF: 1666929.6/21

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

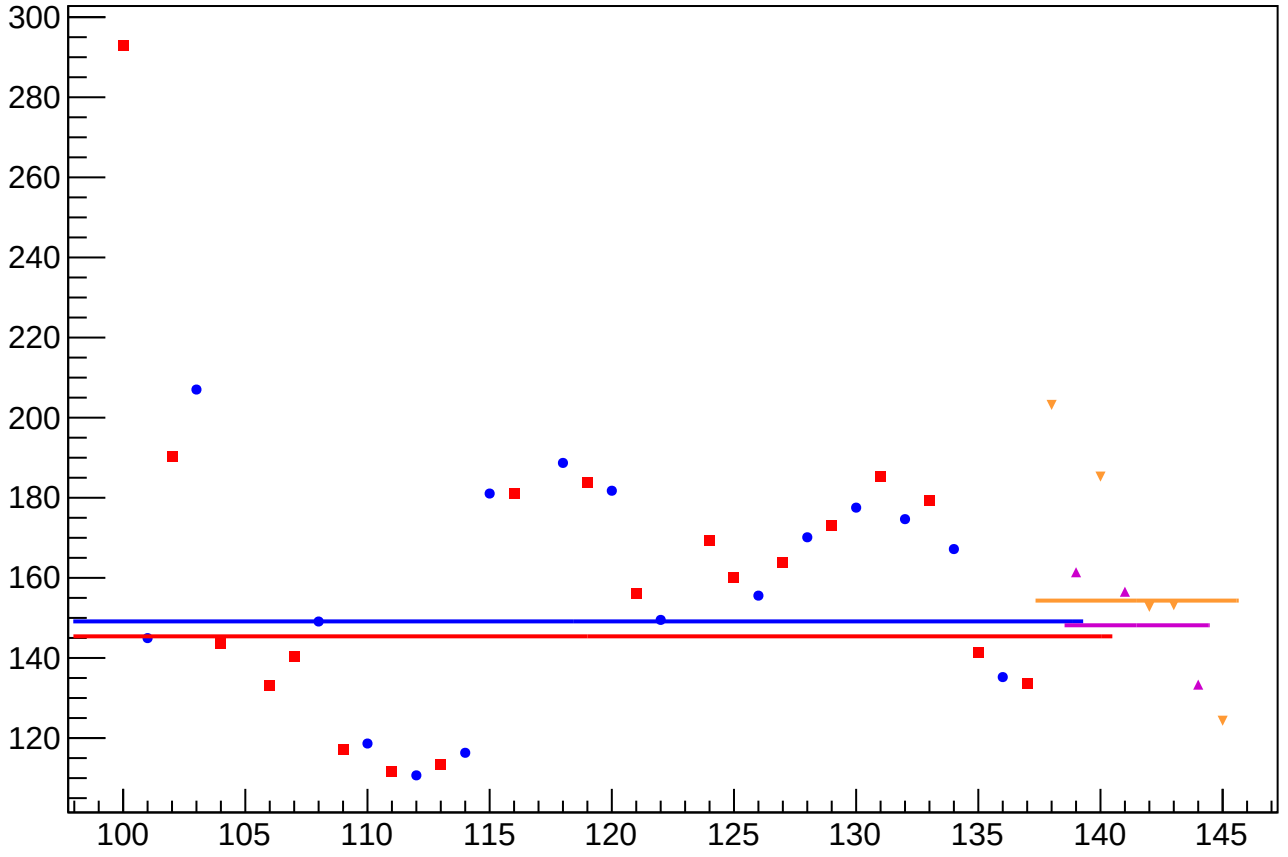
Left In: 17.063+/-92.707 χ^2/NDF:0.3/2

+ sign -30.141+/-46.744 χ^2/NDF: 16.0/20

All: -32.973+/-33.191 χ^2/NDF: 36.3/42

- sign -35.854+/-47.138 χ^2/NDF: 20.3/21

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

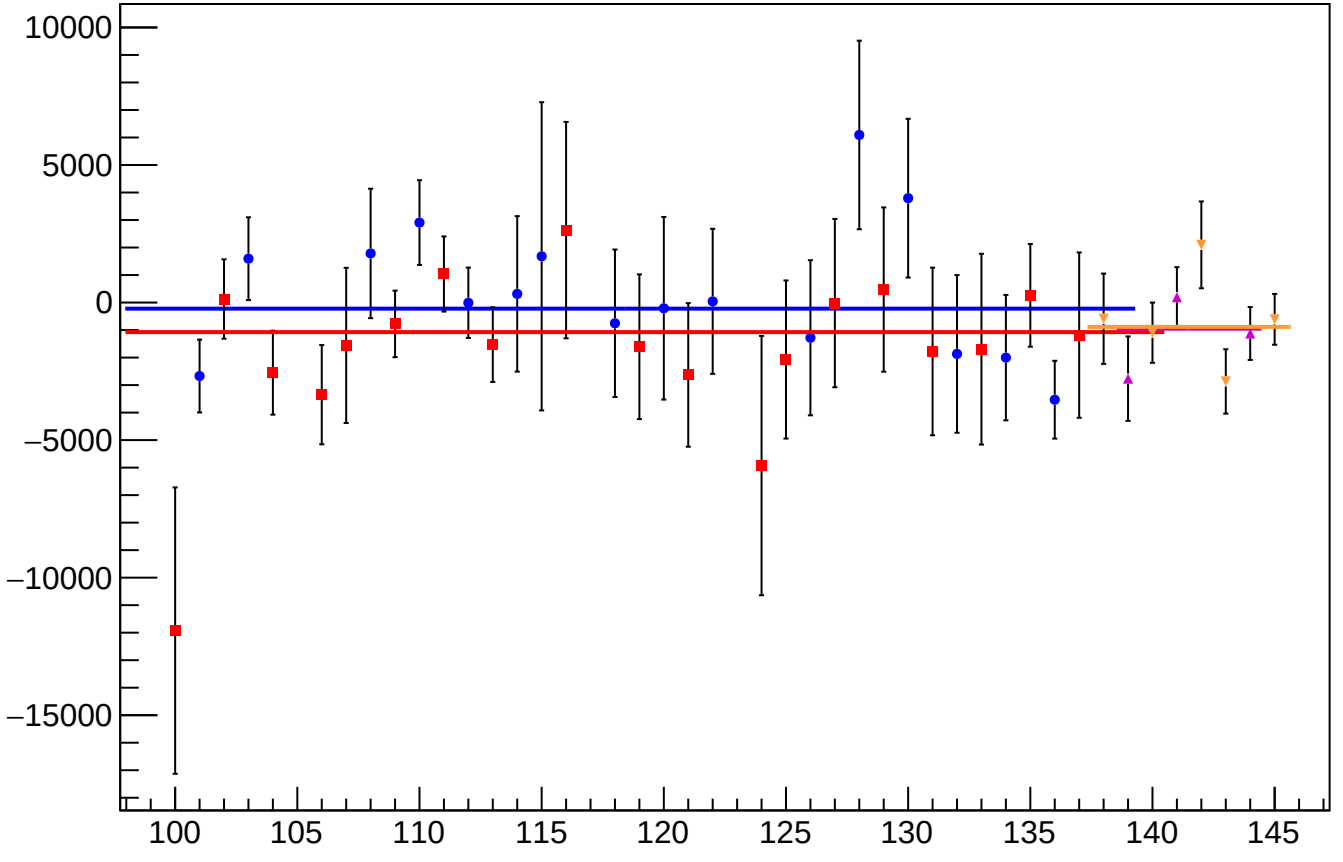
Left In: 148.159+/-0.066 χ^2/NDF:37601.1/2

+ sign 150.798+/-0.033 χ^2/NDF: 681887.0/20

All: 148.475+/-0.023 χ^2/NDF: 1256584.5/42

- sign 146.113+/-0.033 χ^2/NDF: 564735.4/21

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

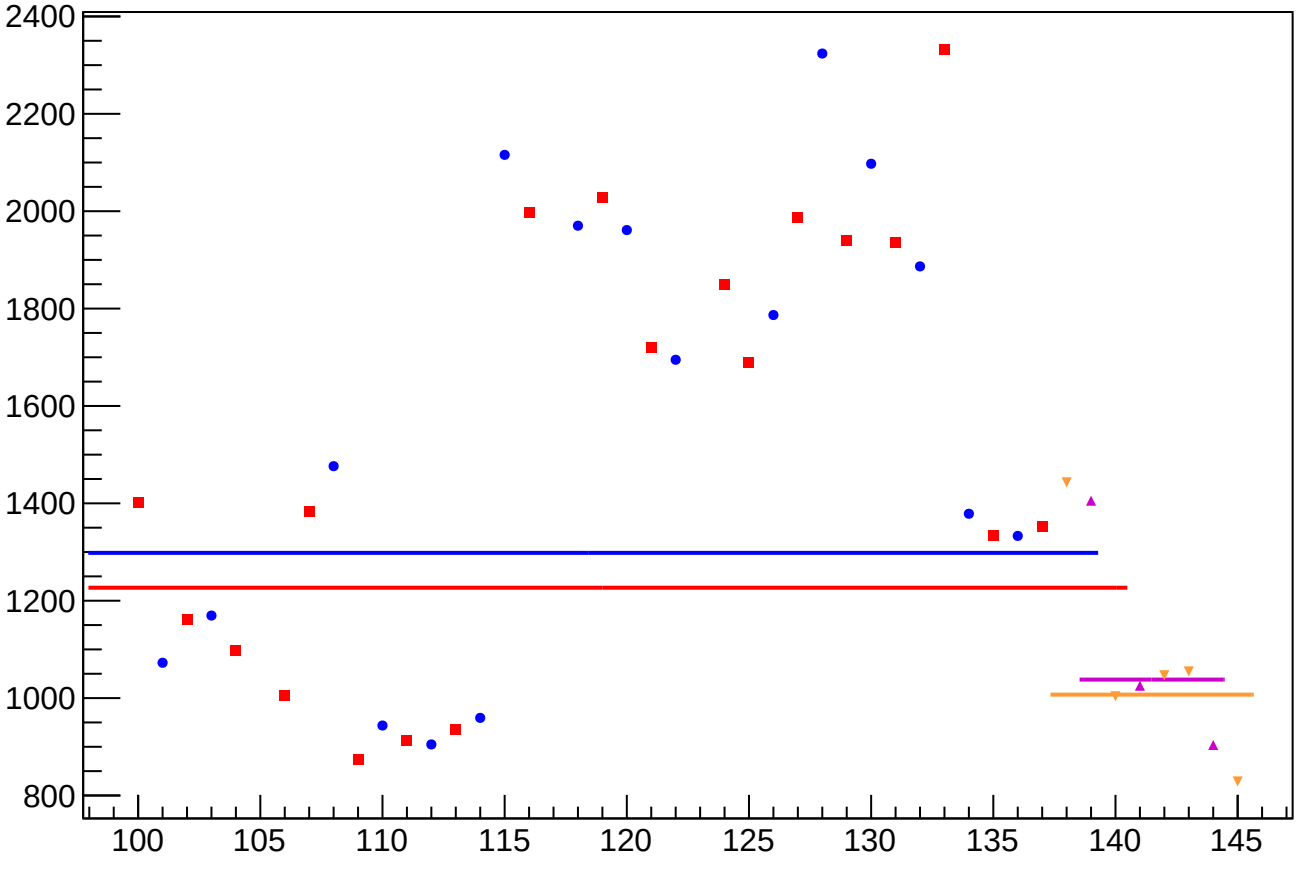
Left In: -949.933+/-652.949 χ^2/NDF:2.5/2

+ sign -534.803+/-367.257 χ^2/NDF: 29.3/20

All: -772.814+/-265.066 χ^2/NDF: 46.3/42

- sign -1031.607+/-382.956 χ^2/NDF: 16.2/21

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

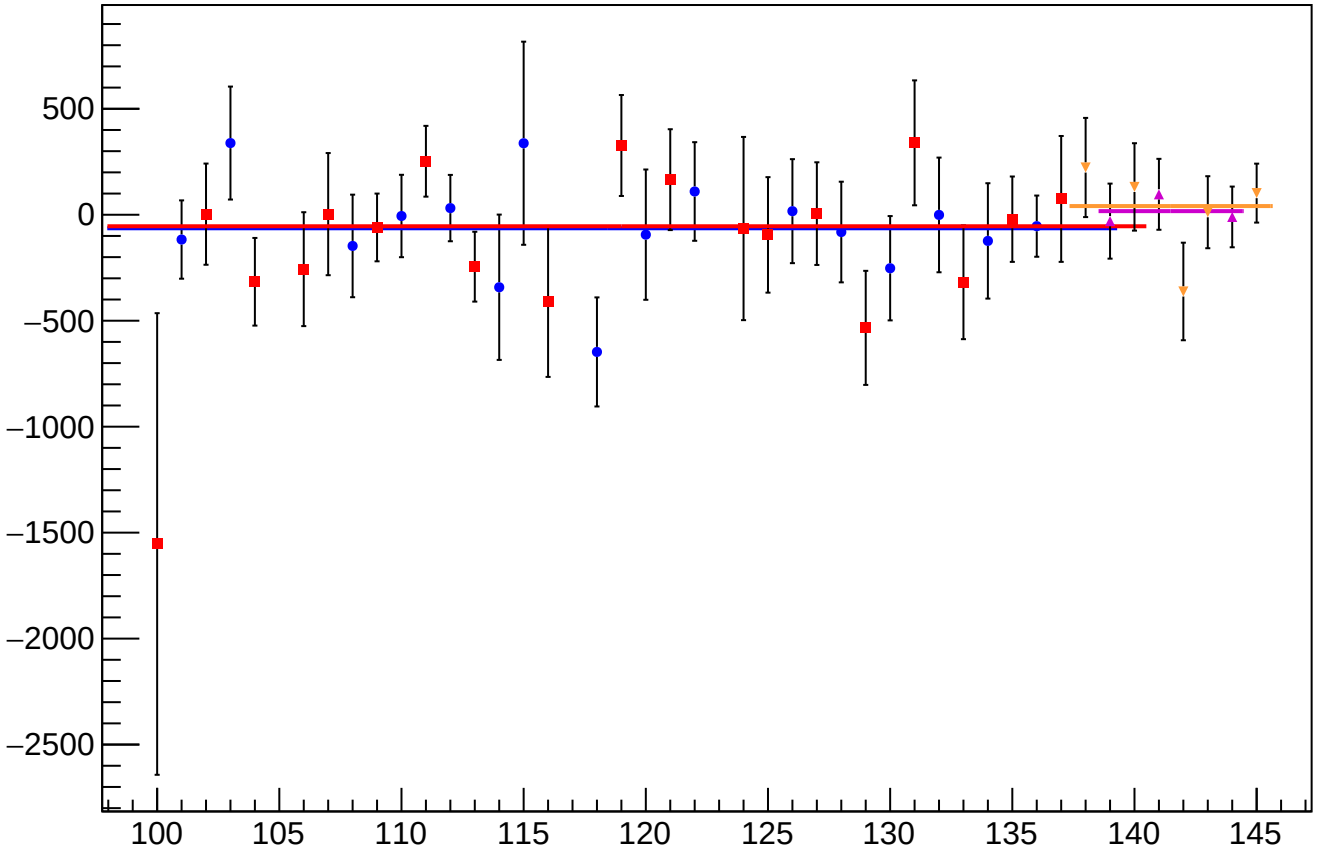
Left In: 1038.019+/-0.462 χ^2/NDF:153901.6/2

+ sign 1160.403+/-0.260 χ^2/NDF: 1715799.5/20

All: 1161.080+/-0.187 χ^2/NDF: 3383827.3/42

- sign 1161.815+/-0.271 χ^2/NDF: 1668013.7/21

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

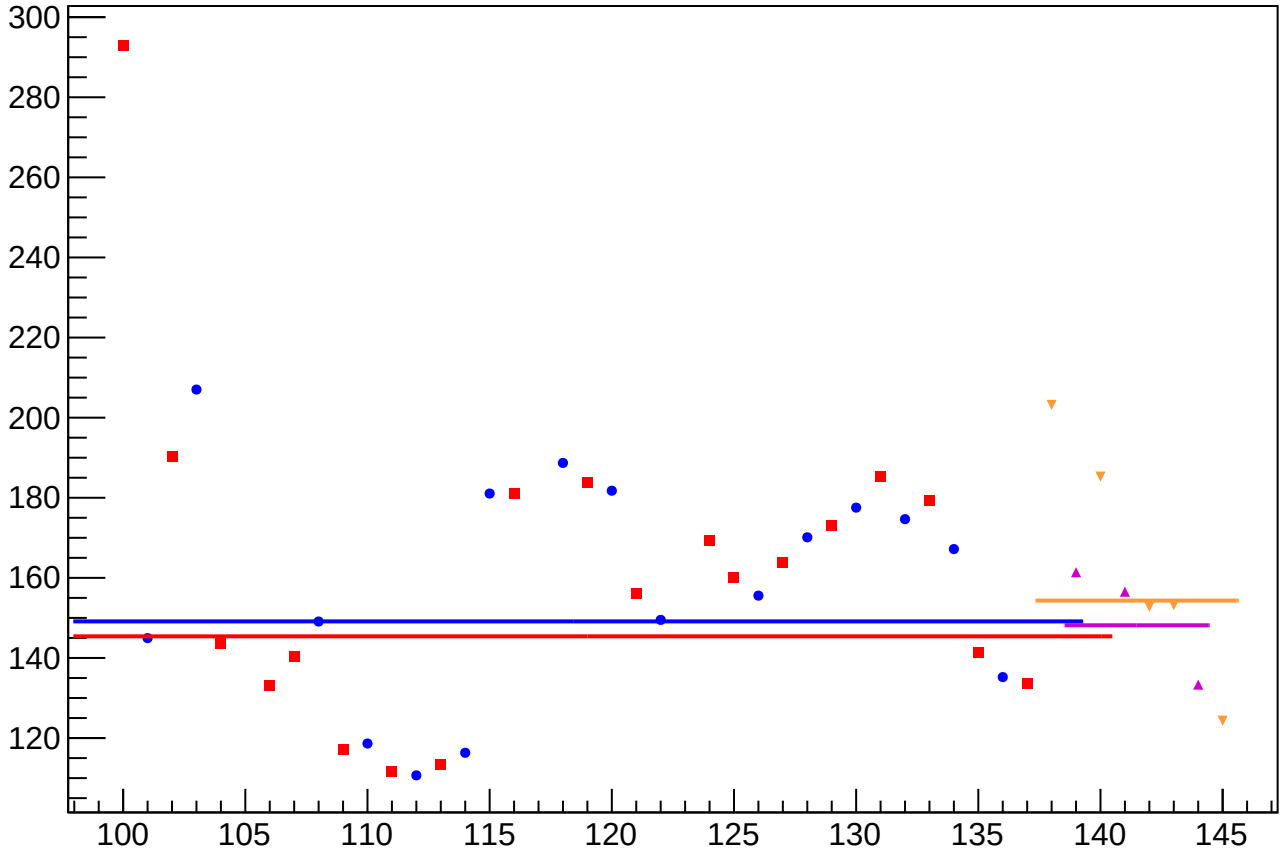
Left In: 17.062+/-92.708 χ^2/NDF:0.3/2

+ sign -30.139+/-46.744 χ^2/NDF: 16.0/20

All: -32.972+/-33.191 χ^2/NDF: 36.3/42

- sign -35.854+/-47.138 χ^2/NDF: 20.3/21

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

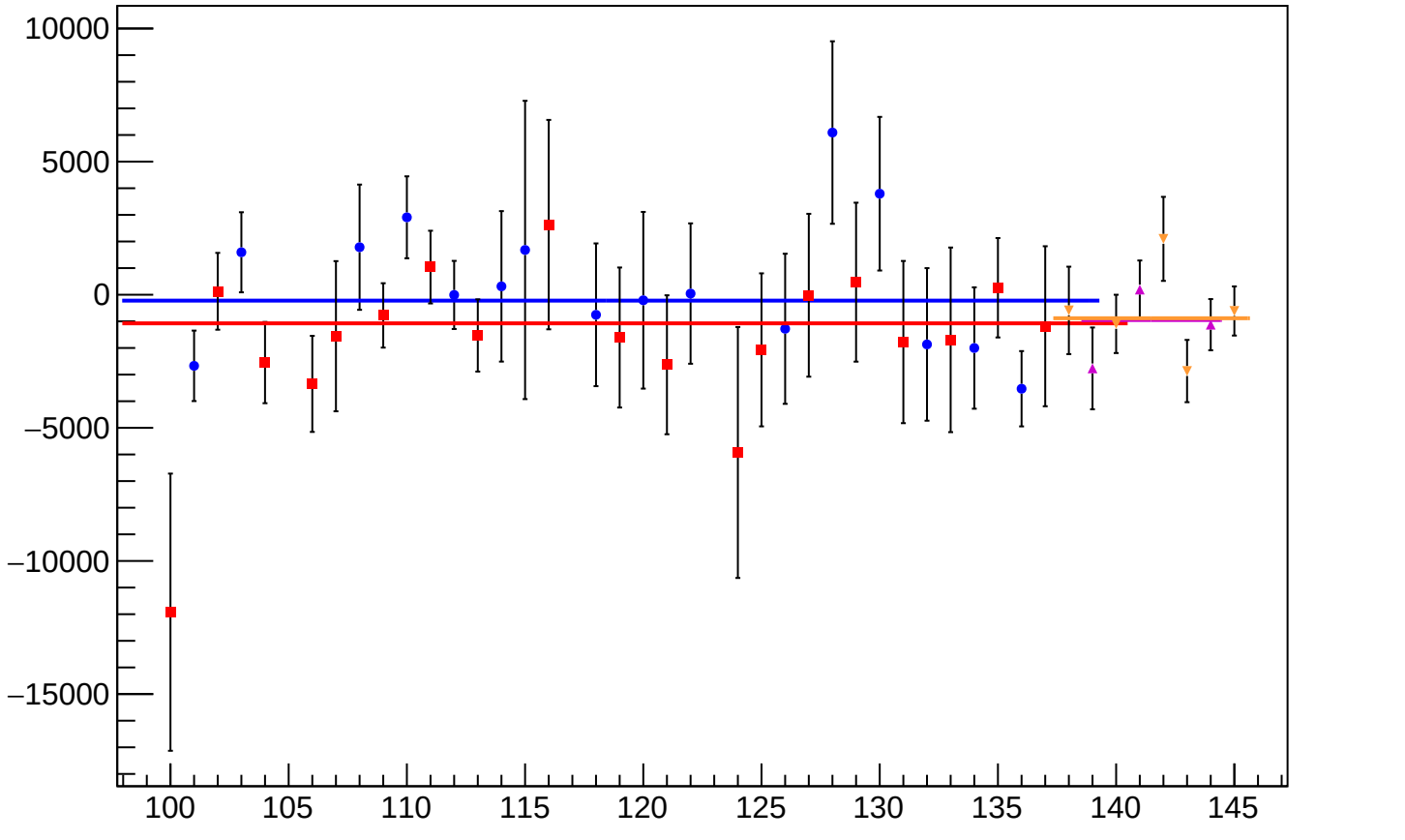
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 148.159+/-0.066 χ^2/NDF:37599.3/2

+ sign 150.798+/-0.033 χ^2/NDF: 681883.8/20

All: 148.475+/-0.023 χ^2/NDF: 1256582.4/42

- sign 146.113+/-0.033 χ^2/NDF: 564736.0/21



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

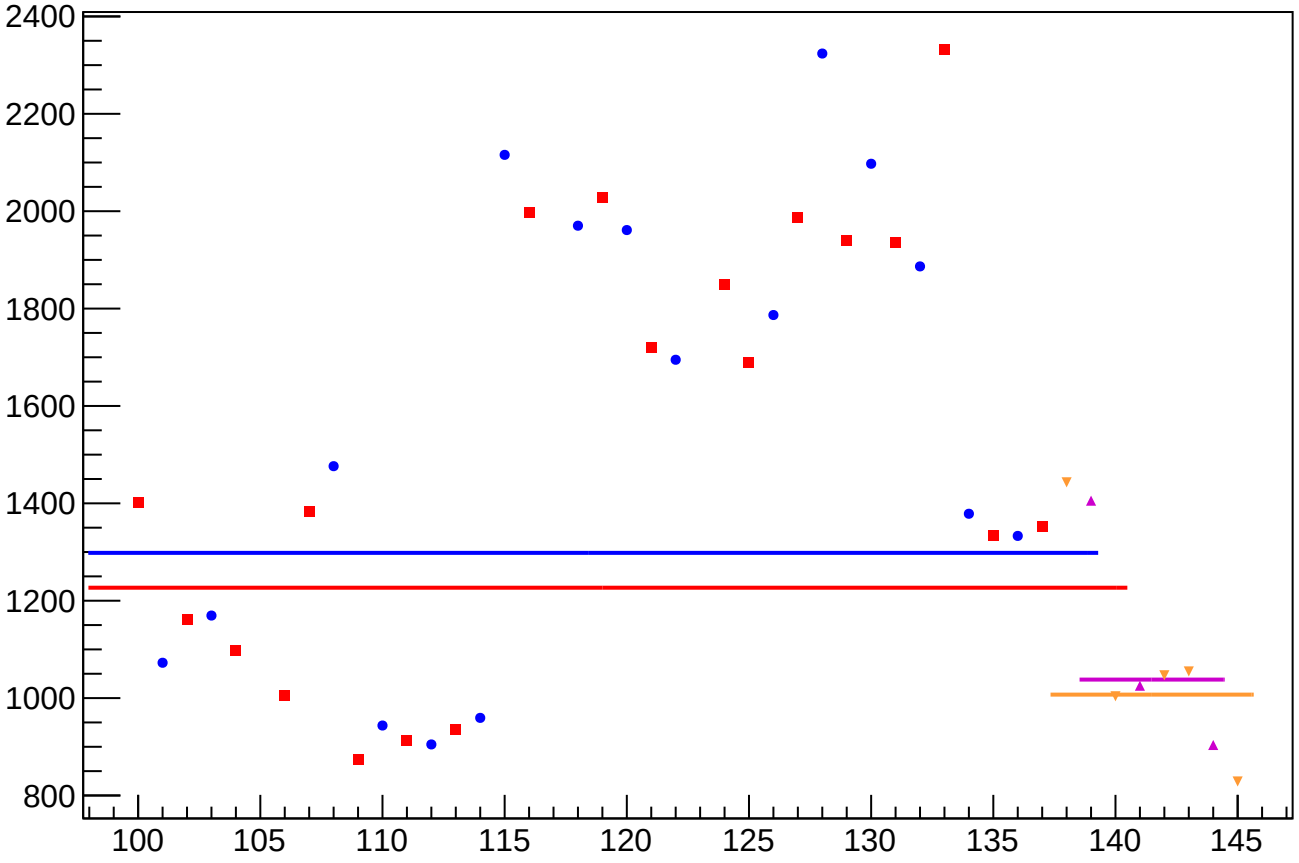
Left In: -949.932+/-652.948 χ^2/NDF:2.5/2

+ sign -534.804+/-367.257 χ^2/NDF: 29.3/20

All: -772.813+/-265.066 χ^2/NDF: 46.3/42

- sign -1031.606+/-382.956 χ^2/NDF: 16.2/21

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



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

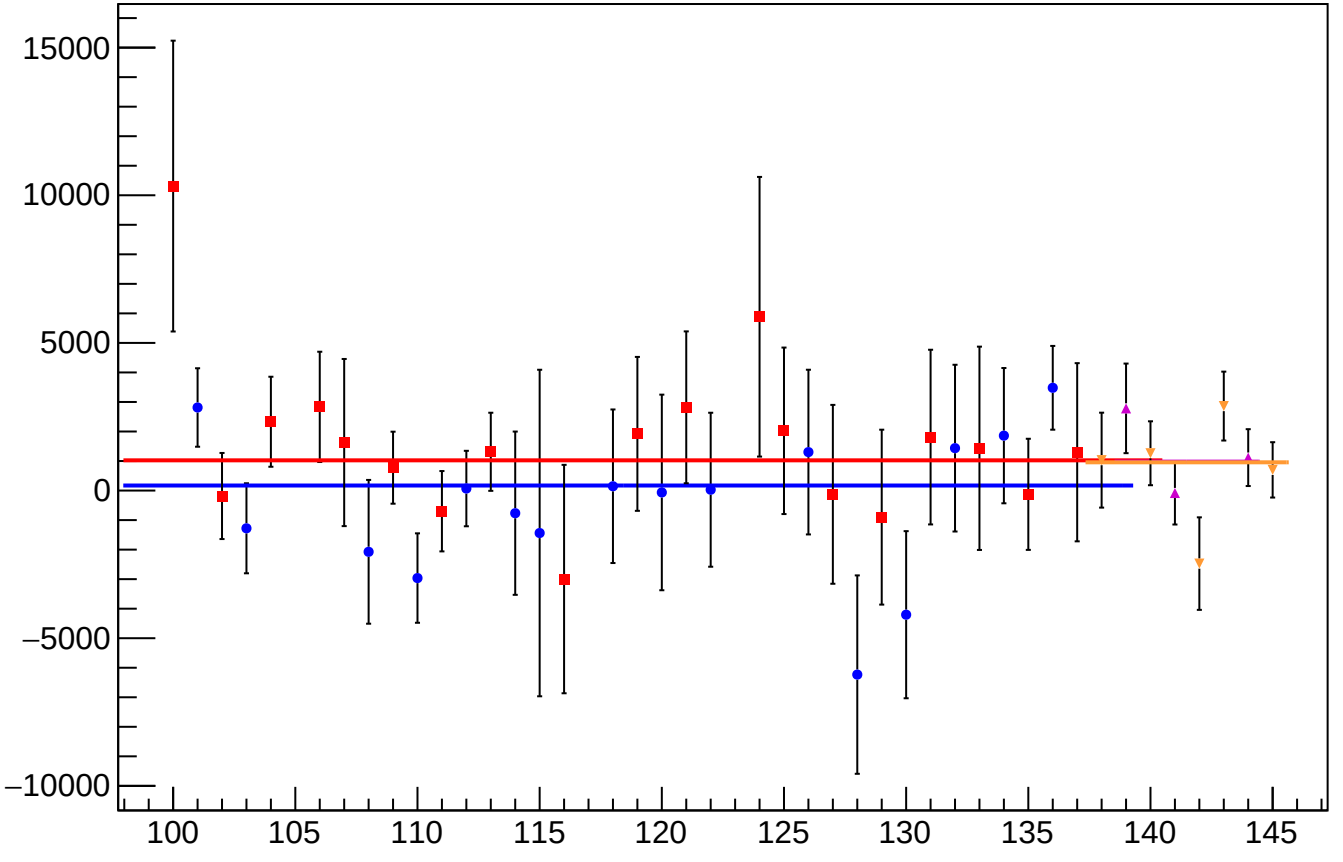
Left In: 1038.018+/-0.462 χ^2/NDF:153901.5/2

+ sign 1160.401+/-0.260 χ^2/NDF: 1715807.1/20

All: 1161.078+/-0.187 χ^2/NDF: 3383838.4/42

- sign 1161.814+/-0.271 χ^2/NDF: 1668017.0/21

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

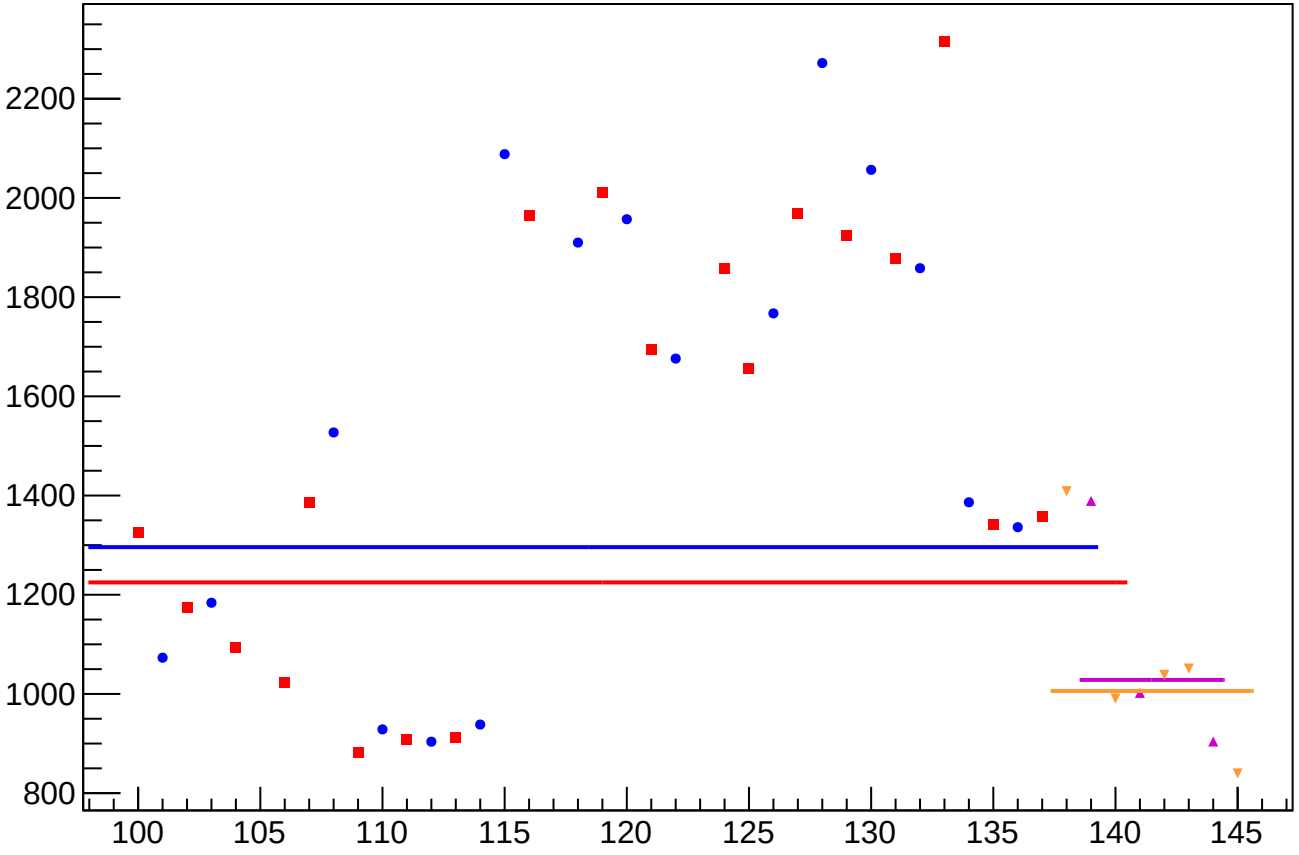
Left In: 980.046+/-646.820 χ^2/NDF:2.4/2

+ sign 542.950+/-366.601 χ^2/NDF: 31.3/20

All: 766.604+/-264.264 χ^2/NDF: 46.1/42

- sign 1008.530+/-381.283 χ^2/NDF: 14.0/21

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

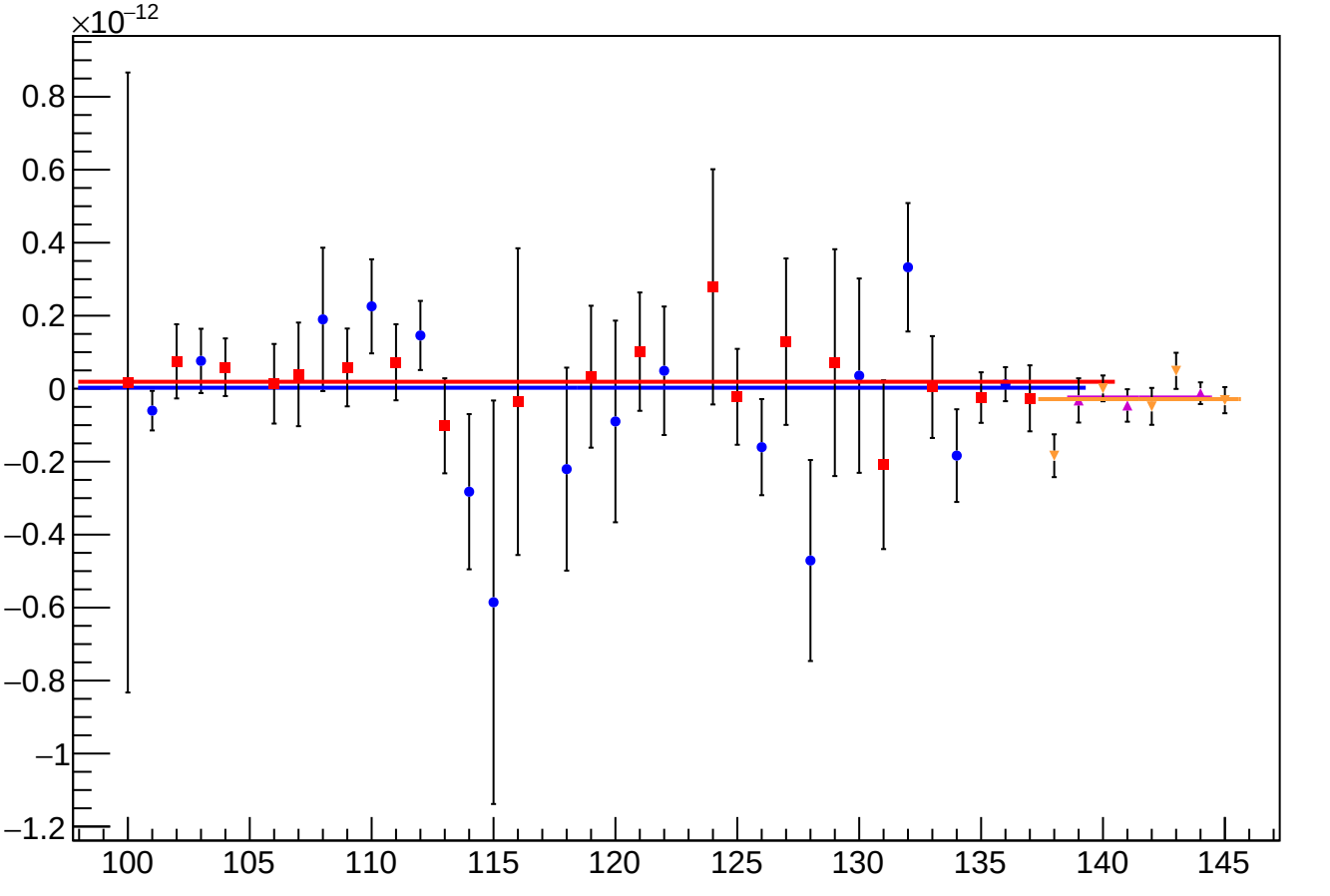
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1028.301+/-0.457 χ^2/NDF:147679.8/2

+ sign 1158.720+/-0.259 χ^2/NDF: 1659014.6/20

All: 1157.686+/-0.187 χ^2/NDF: 3298543.5/42

- sign 1156.568+/-0.270 χ^2/NDF: 1639495.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/4

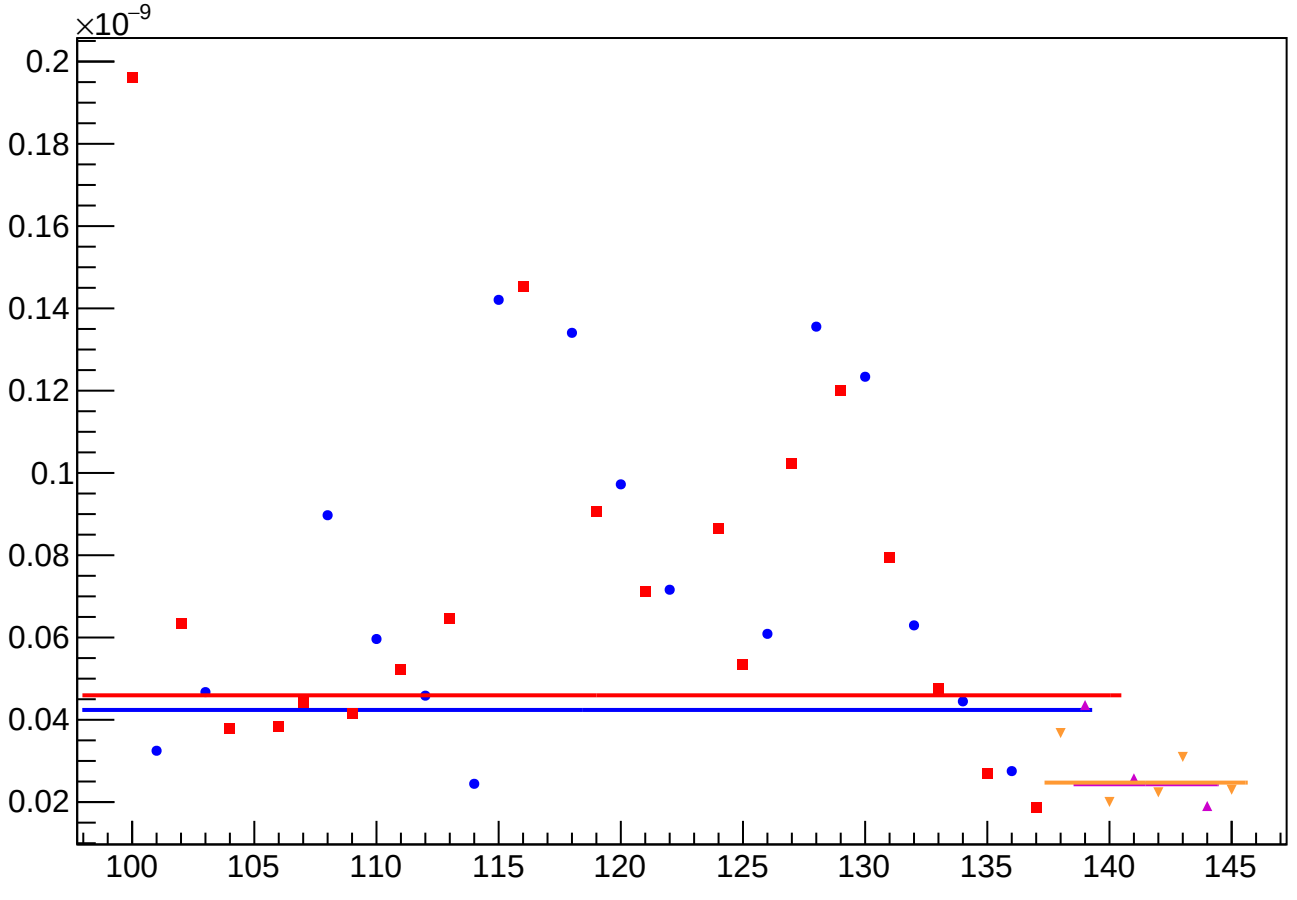
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/20

All: -0.000+/-0.000 χ^2/NDF: 40.1/42

- sign -0.000+/-0.000 χ^2/NDF: 6.5/21



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

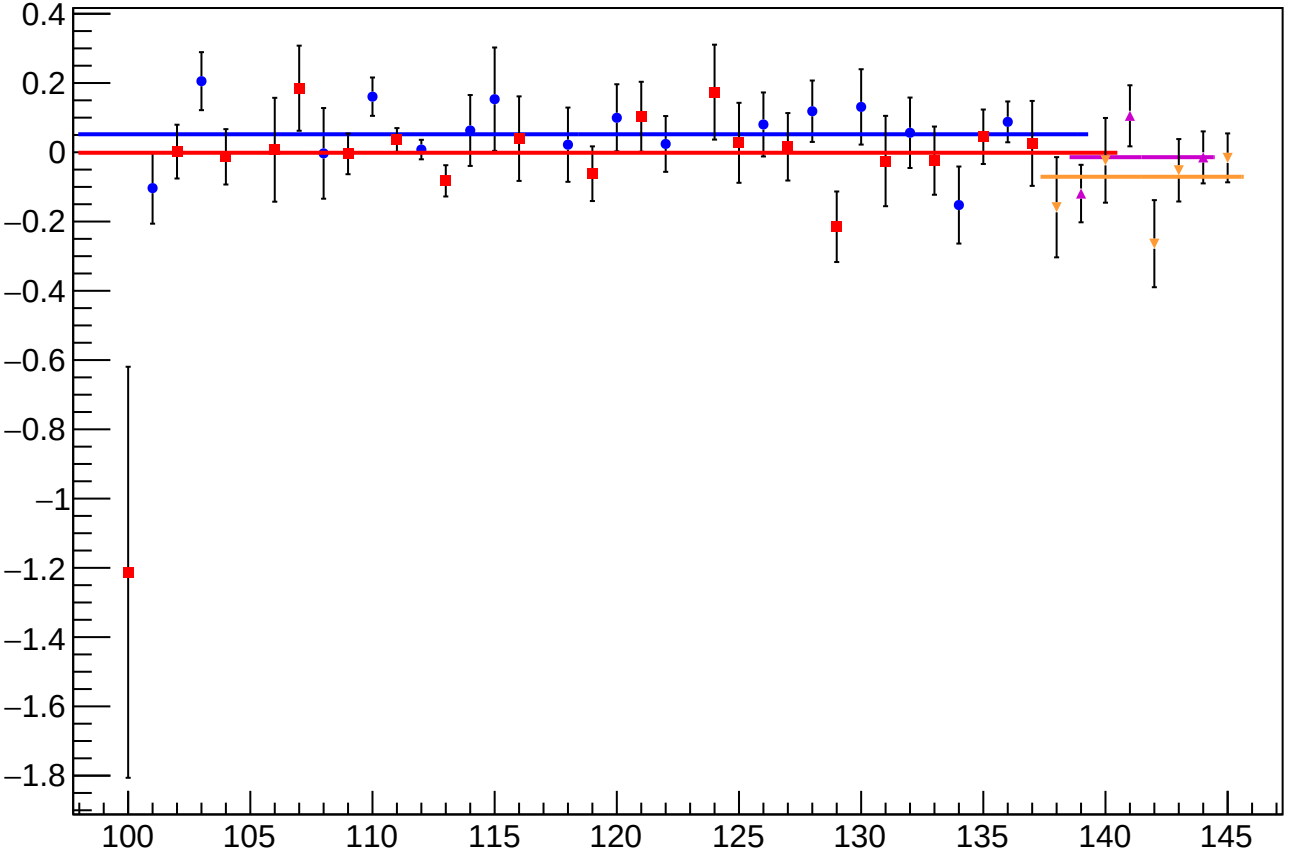
Left In: 0.000+/-0.000 χ^2/NDF:266741.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 2071592.0/20

All: 0.000+/-0.000 χ^2/NDF: 4157491.8/42

- sign 0.000+/-0.000 χ^2/NDF: 2073226.0/21

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

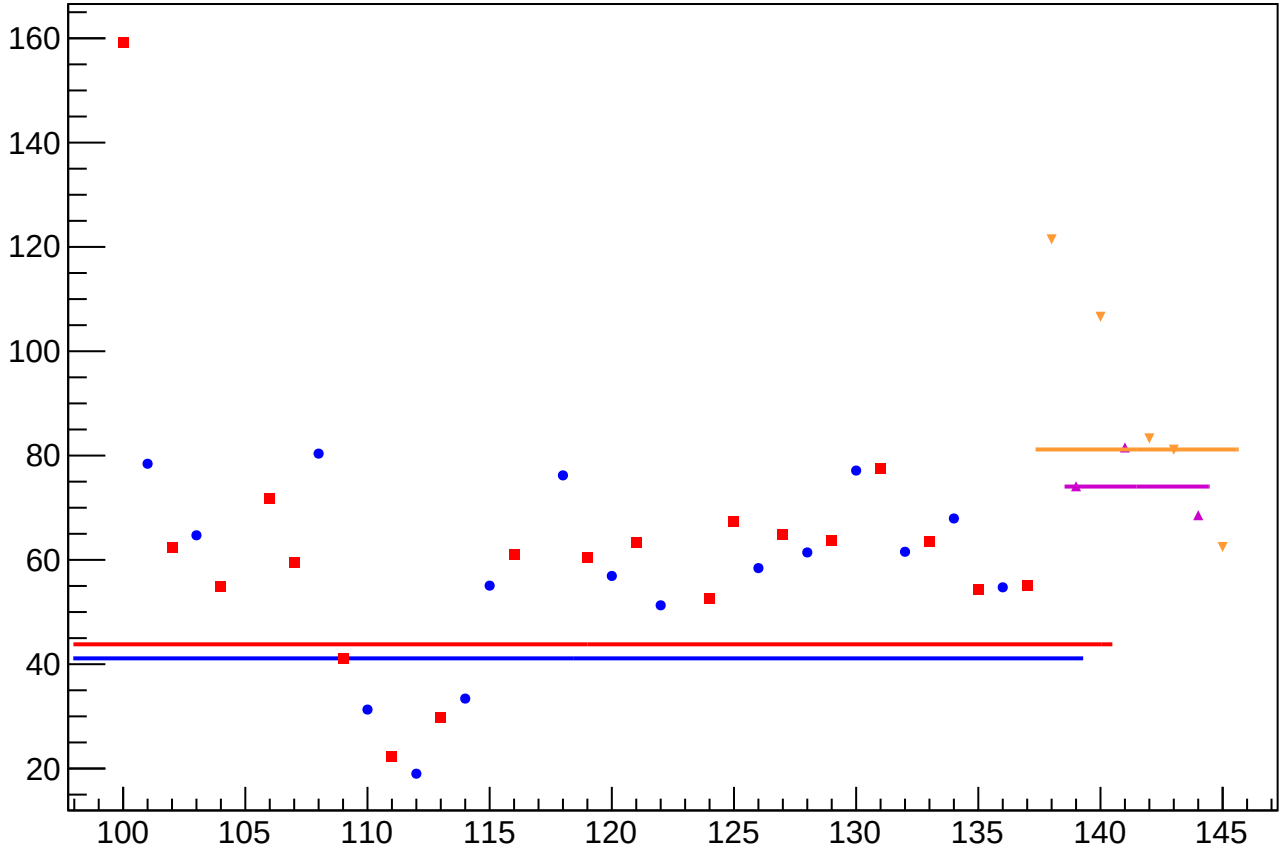
Left In: -0.014+/-0.047 χ^2/NDF:3.4/2

+ sign 0.035+/-0.017 χ^2/NDF: 28.0/20

All: 0.016+/-0.012 χ^2/NDF: 53.4/42

- sign -0.003+/-0.017 χ^2/NDF: 22.7/21

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

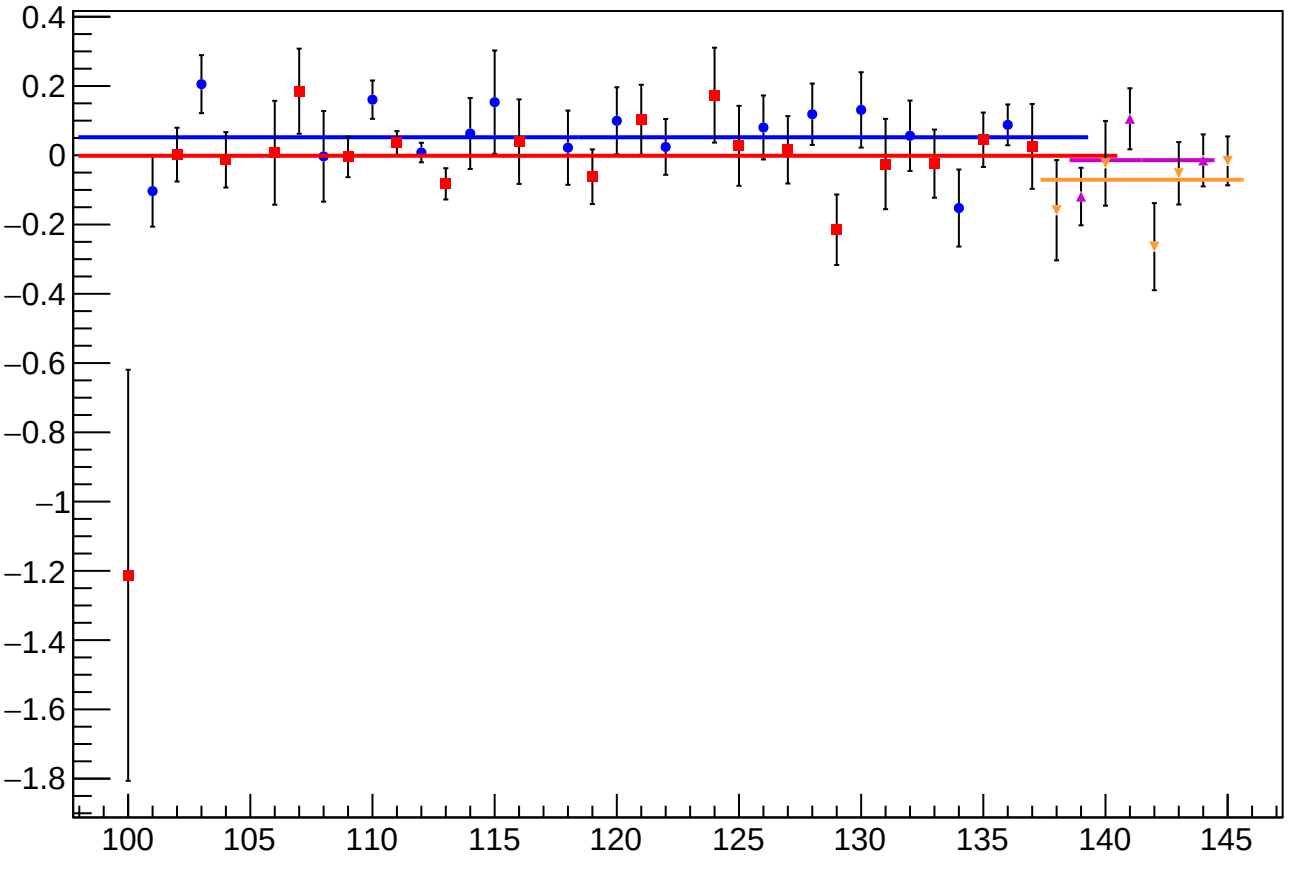
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.057+/-0.033 χ^2/NDF:25146.6/2

+ sign 46.596+/-0.012 χ^2/NDF: 4696281.5/20

All: 47.112+/-0.008 χ^2/NDF: 7494657.5/42

- sign 47.643+/-0.012 χ^2/NDF: 2794410.6/21



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

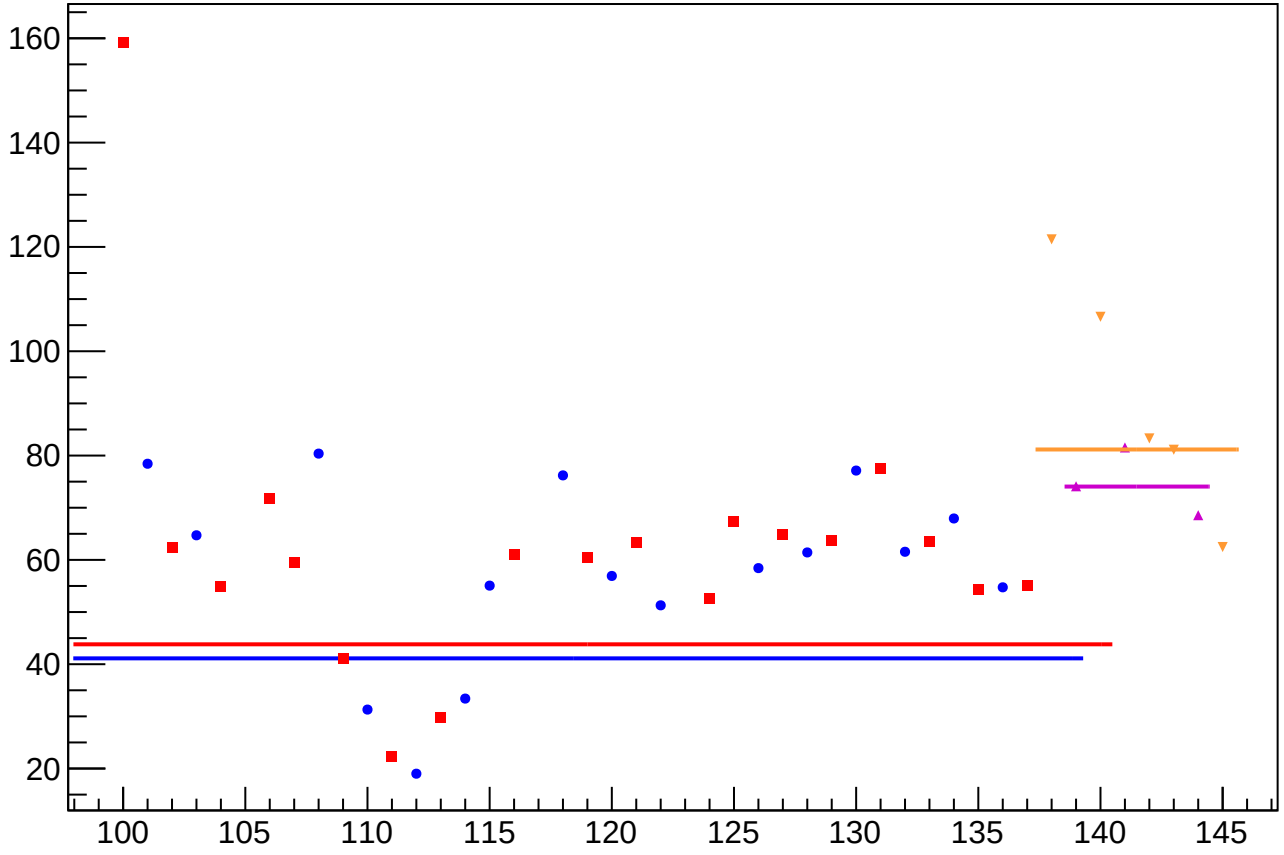
Left In: -0.014+/-0.047 χ^2/NDF:3.4/2

+ sign 0.035+/-0.017 χ^2/NDF: 28.0/20

All: 0.016+/-0.012 χ^2/NDF: 53.4/42

- sign -0.003+/-0.017 χ^2/NDF: 22.7/21

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

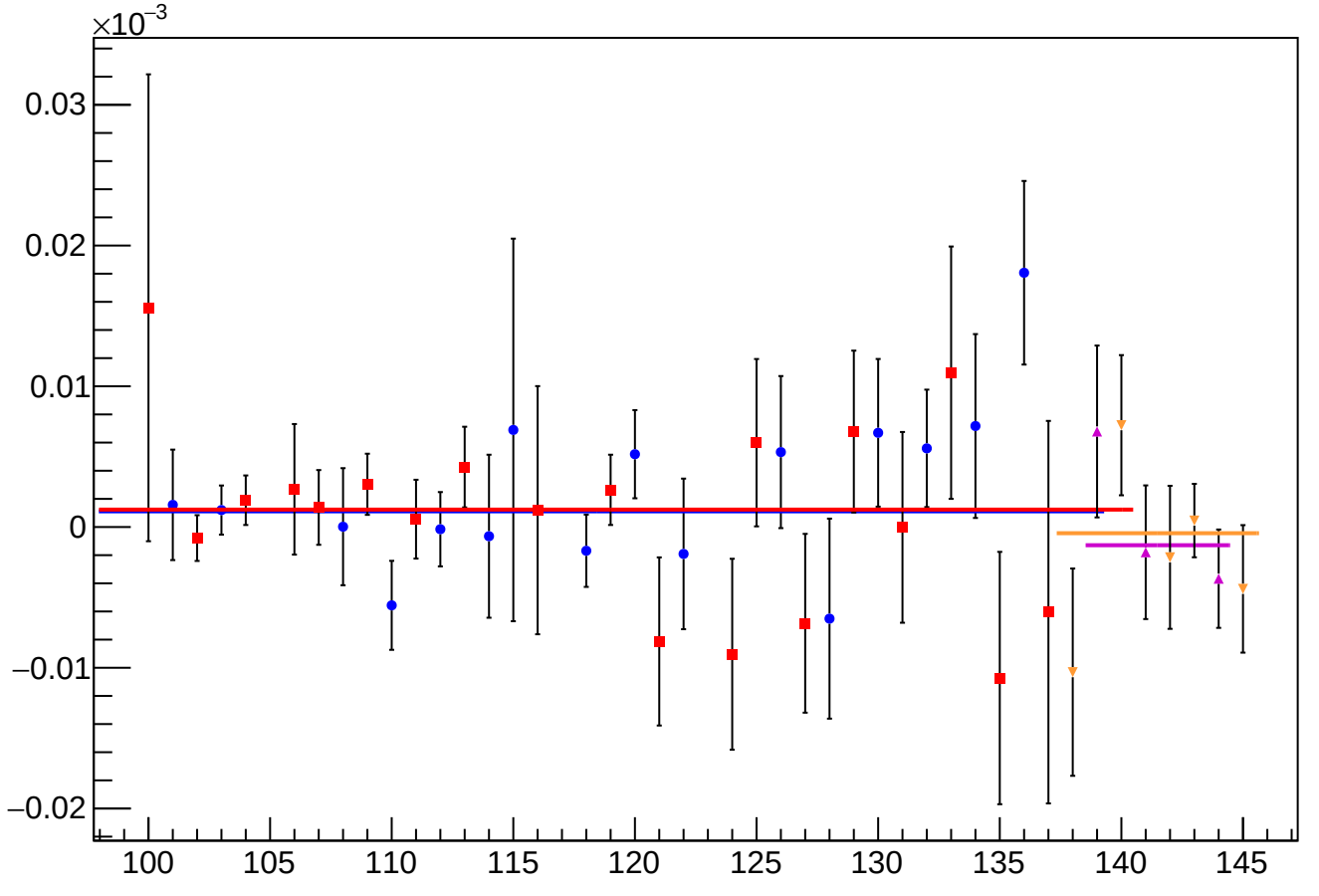
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.057+/-0.033 χ^2/NDF:25146.6/2

+ sign 46.596+/-0.012 χ^2/NDF: 4696281.5/20

All: 47.112+/-0.008 χ^2/NDF: 7494657.5/42

- sign 47.643+/-0.012 χ^2/NDF: 2794410.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/4

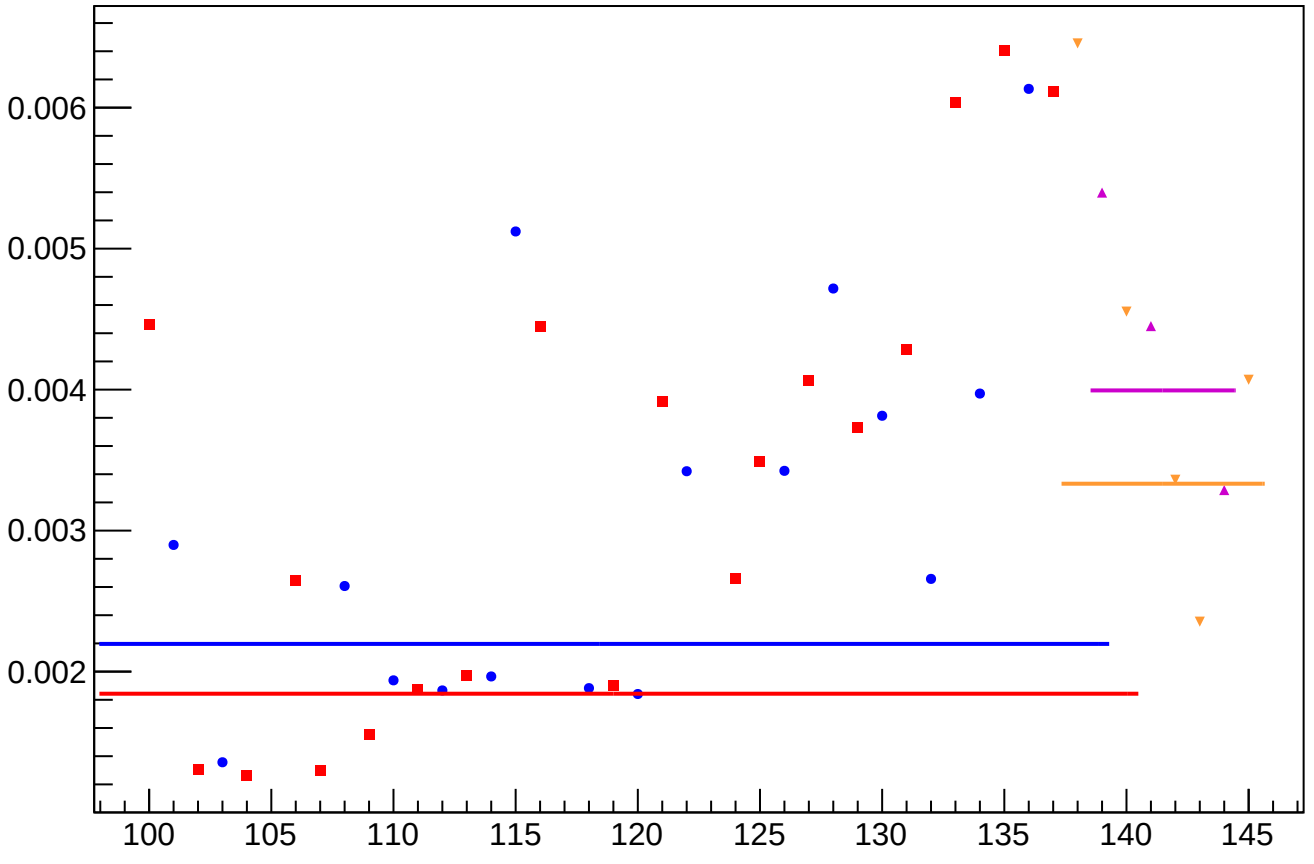
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 25.6/20

All: 0.000+/-0.000 χ^2/NDF: 44.7/42

- sign 0.000+/-0.000 χ^2/NDF: 19.1/21



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

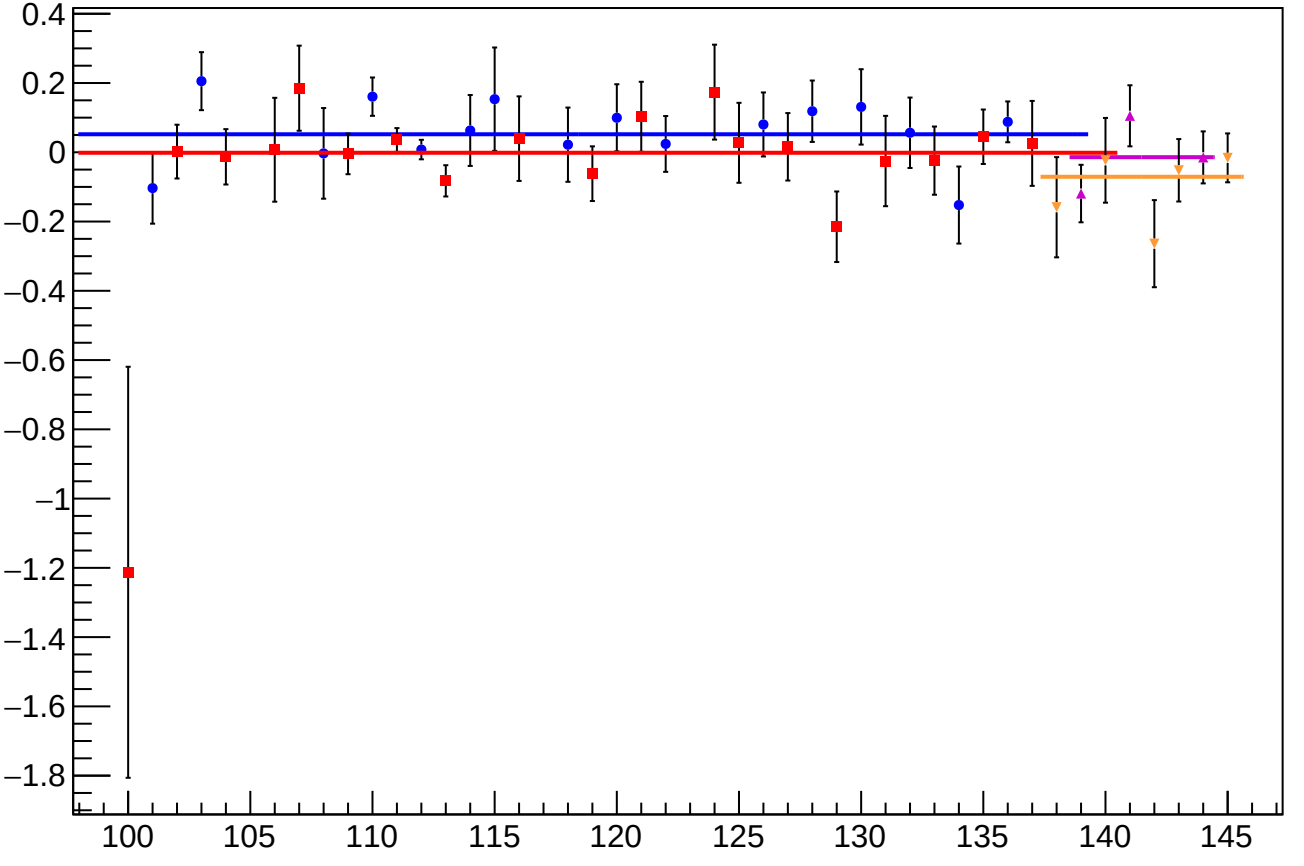
Left In: 0.004+/-0.000 χ^2/NDF:205925.0/2

+ sign 0.002+/-0.000 χ^2/NDF: 3716941.1/20

All: 0.002+/-0.000 χ^2/NDF: 8625213.3/42

- sign 0.002+/-0.000 χ^2/NDF: 4644205.6/21

asym_sam_48_avg_eigen_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

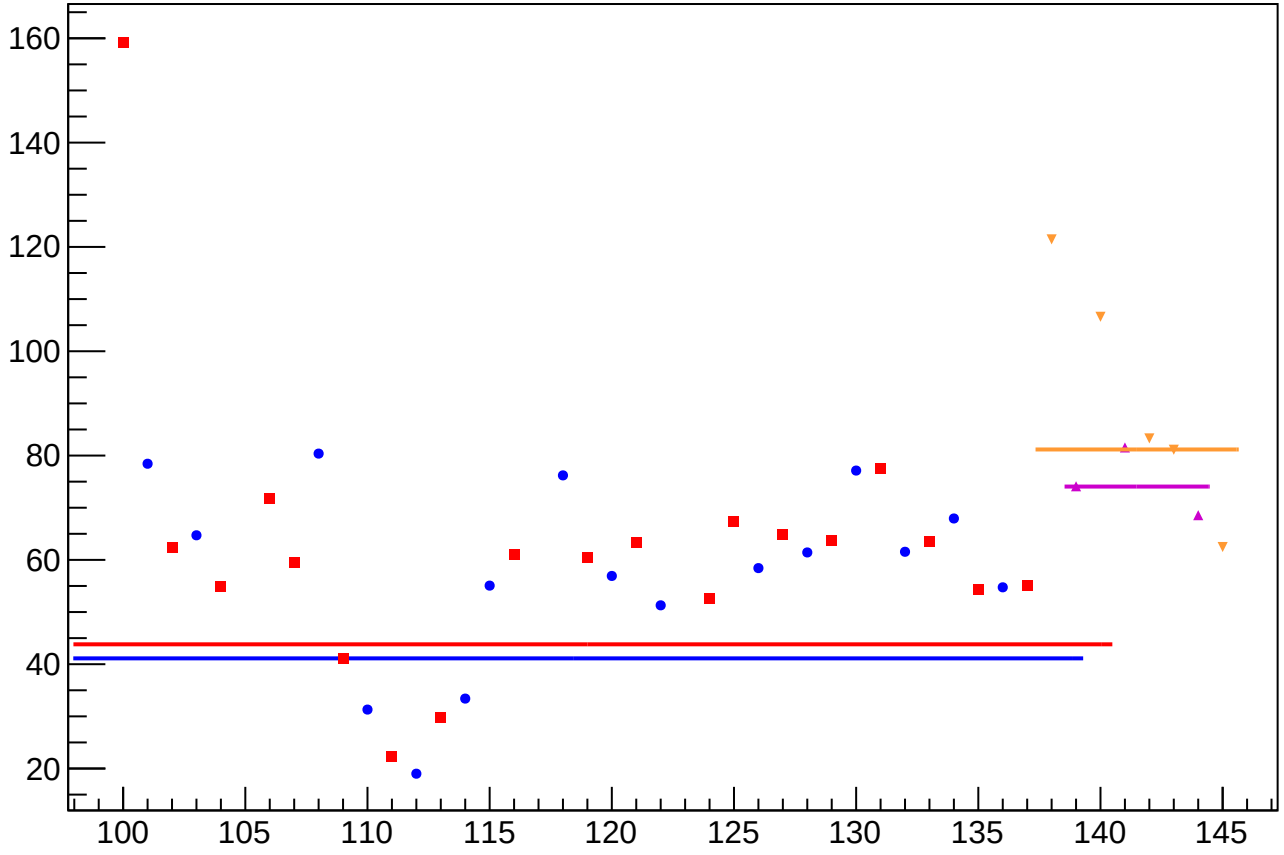
Left In: -0.014+/-0.047 χ^2/NDF:3.4/2

+ sign 0.035+/-0.017 χ^2/NDF: 28.0/20

All: 0.016+/-0.012 χ^2/NDF: 53.4/42

- sign -0.003+/-0.017 χ^2/NDF: 22.7/21

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

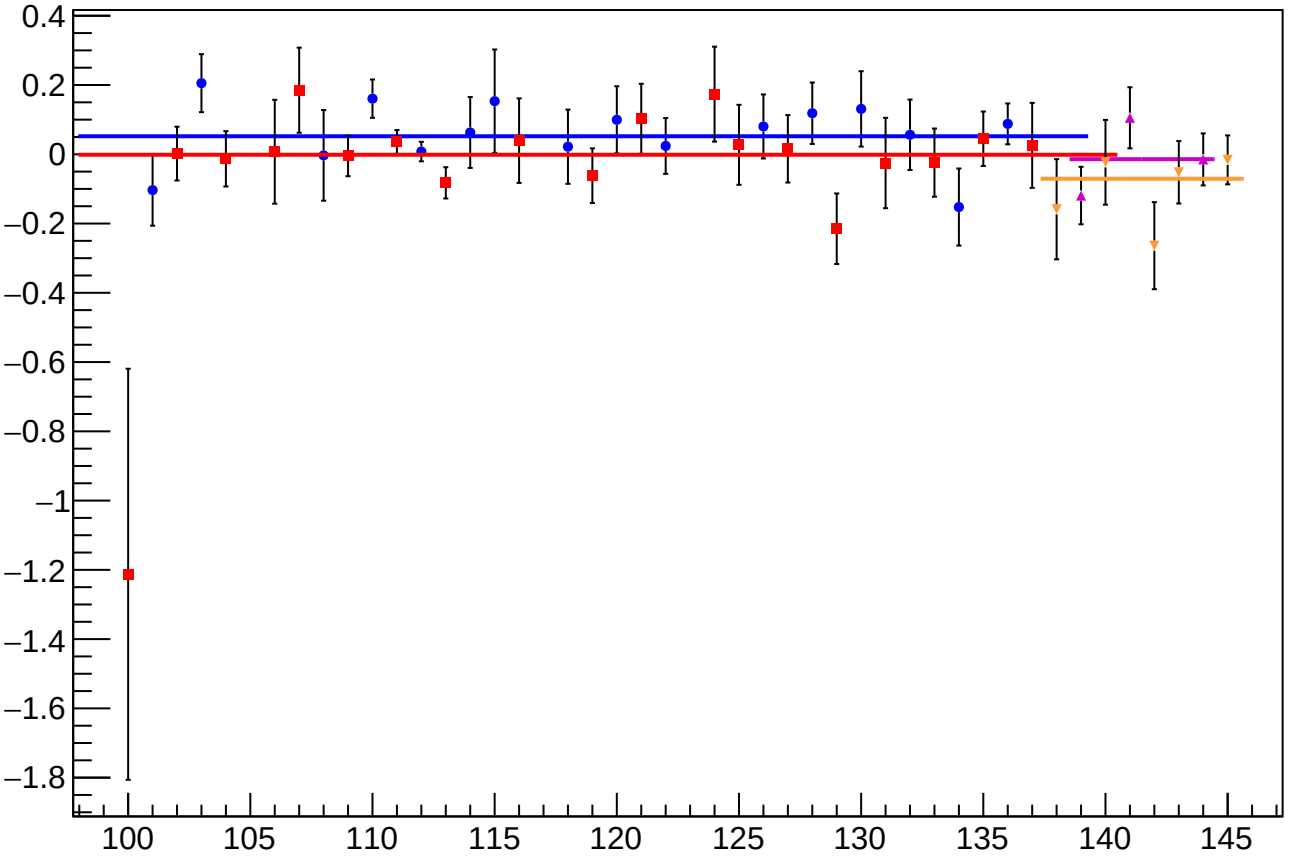
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.057+/-0.033 χ^2/NDF:25144.7/2

+ sign 46.595+/-0.012 χ^2/NDF: 4696532.5/20

All: 47.111+/-0.008 χ^2/NDF: 7495138.6/42

- sign 47.643+/-0.012 χ^2/NDF: 2794640.2/21



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.071+/-0.045 χ^2/NDF:3.5/4

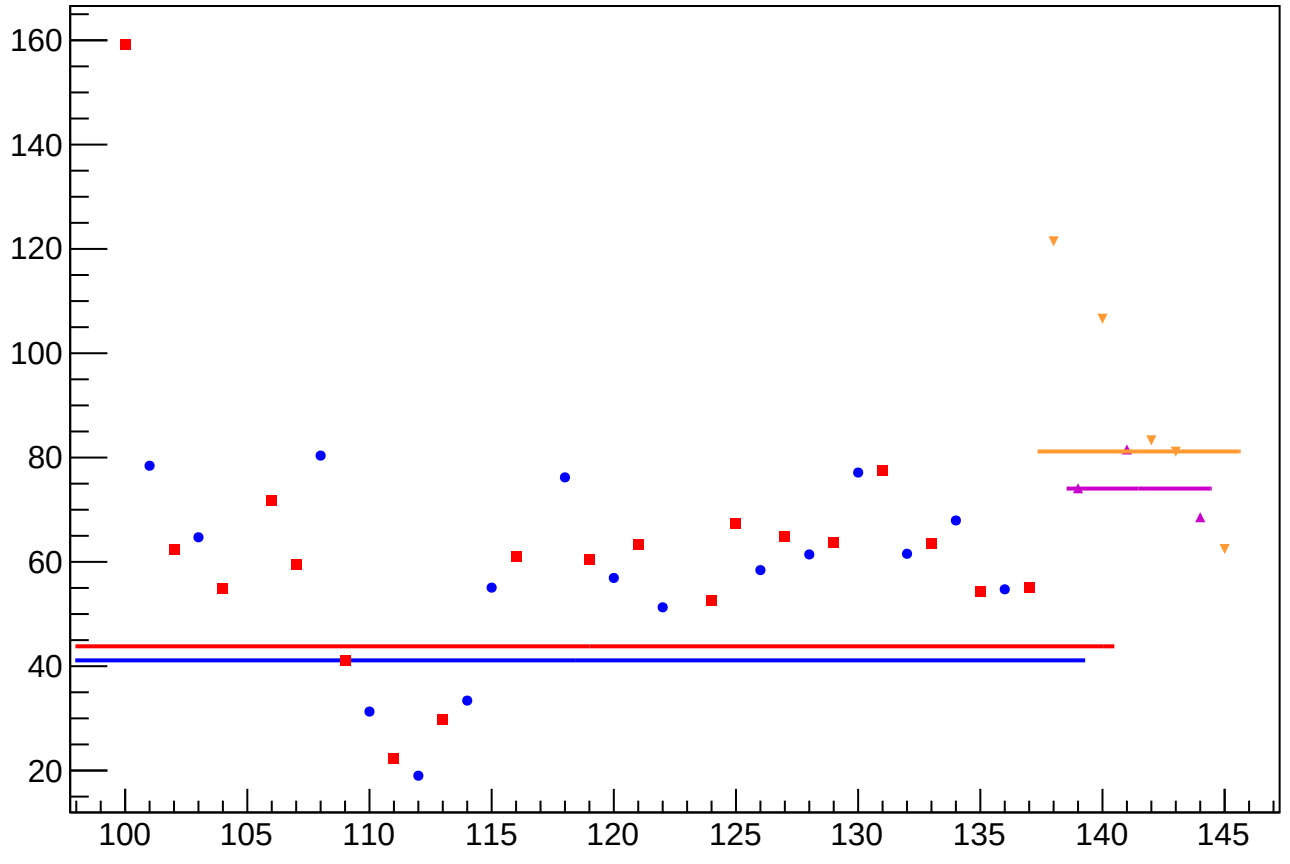
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.014+/-0.047 χ^2/NDF:3.4/2

+ sign 0.035+/-0.017 χ^2/NDF: 28.0/20

All: 0.016+/-0.012 χ^2/NDF: 53.4/42

- sign -0.003+/-0.017 χ^2/NDF: 22.7/21



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 81.168+/-0.032 χ^2/NDF:382375.9/4

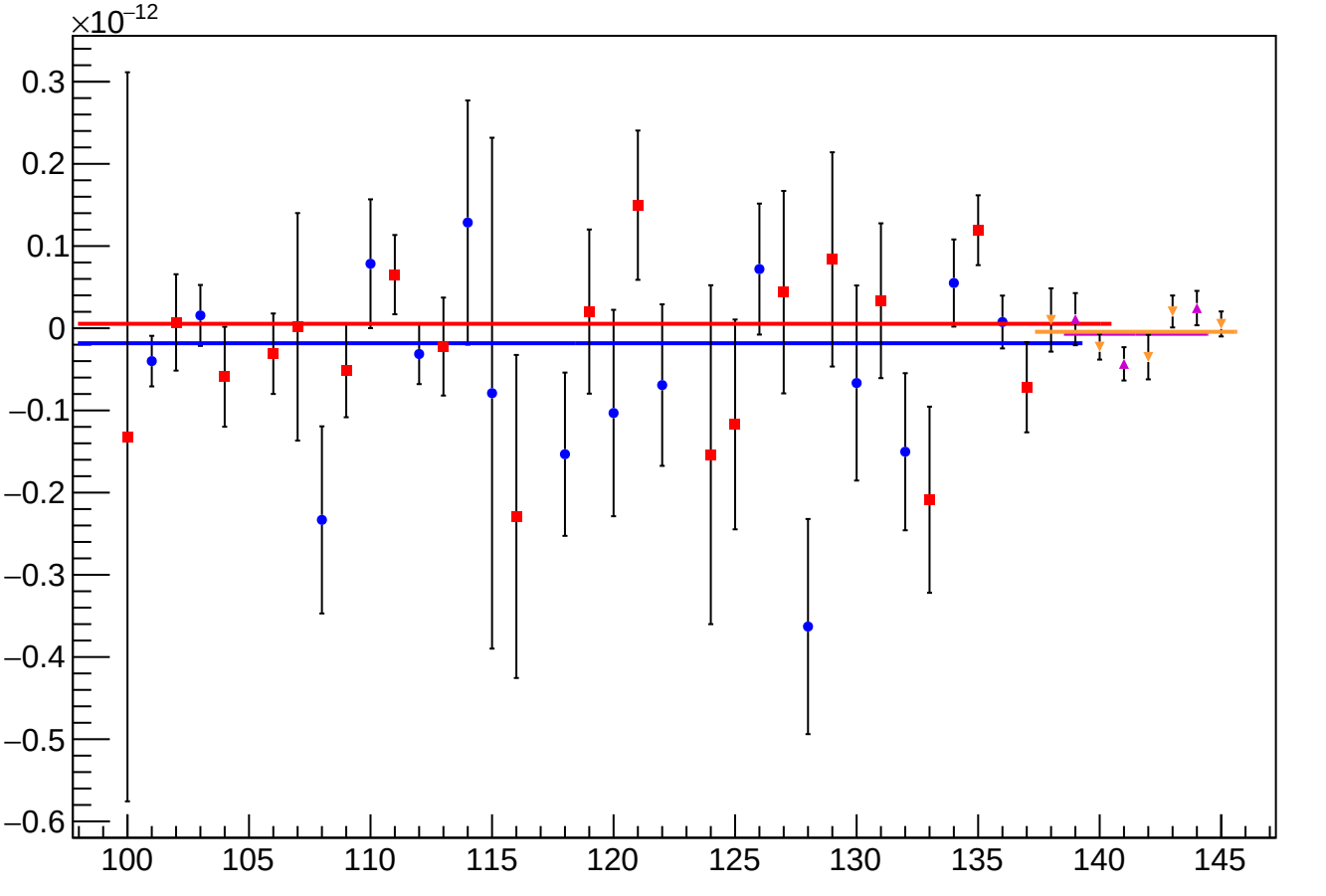
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.057+/-0.033 χ^2/NDF:25144.7/2

+ sign 46.595+/-0.012 χ^2/NDF: 4696532.5/20

All: 47.111+/-0.008 χ^2/NDF: 7495138.6/42

- sign 47.643+/-0.012 χ^2/NDF: 2794640.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/4

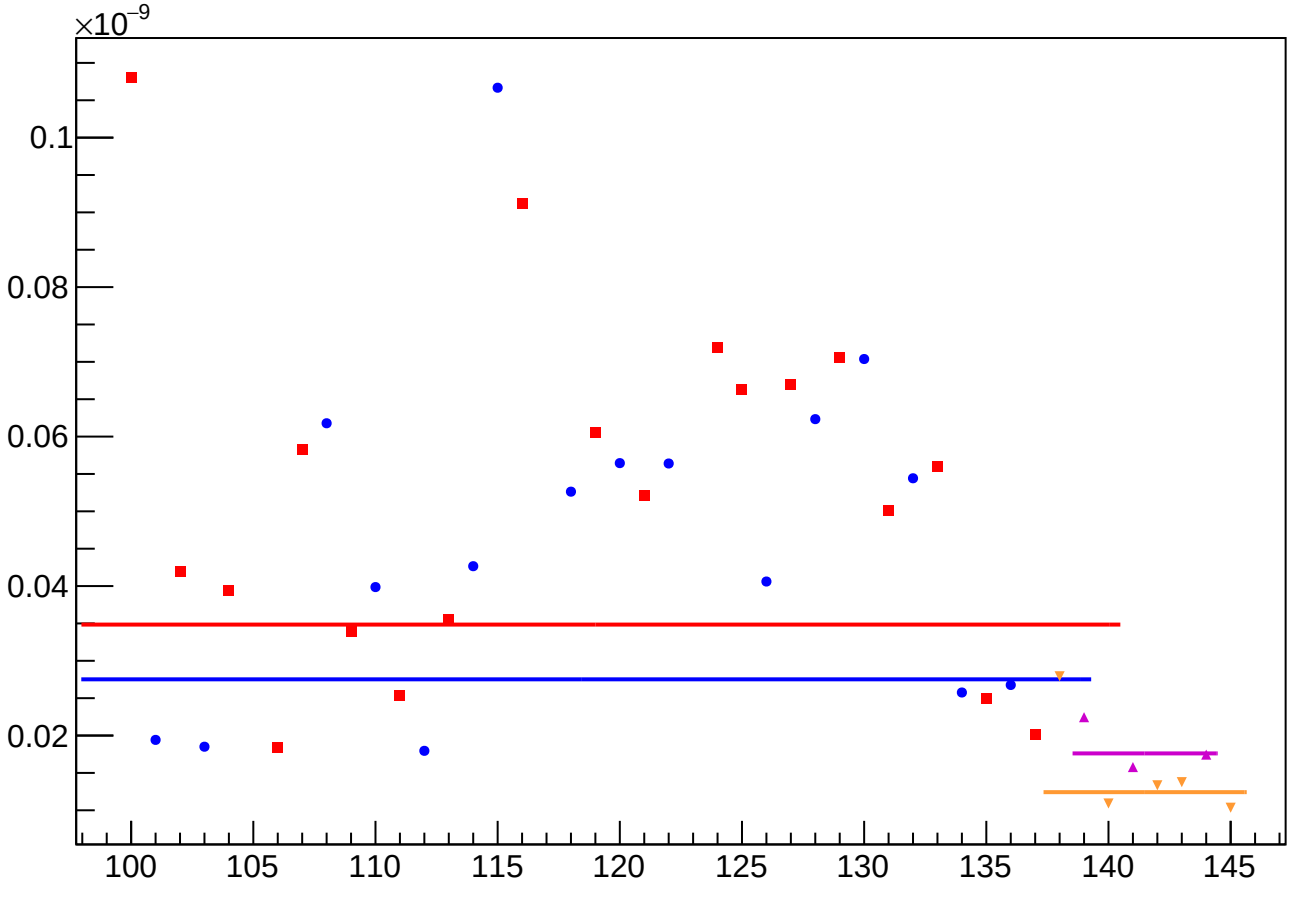
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/20

All: -0.000+/-0.000 χ^2/NDF: 58.1/42

- sign -0.000+/-0.000 χ^2/NDF: 29.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:392089.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

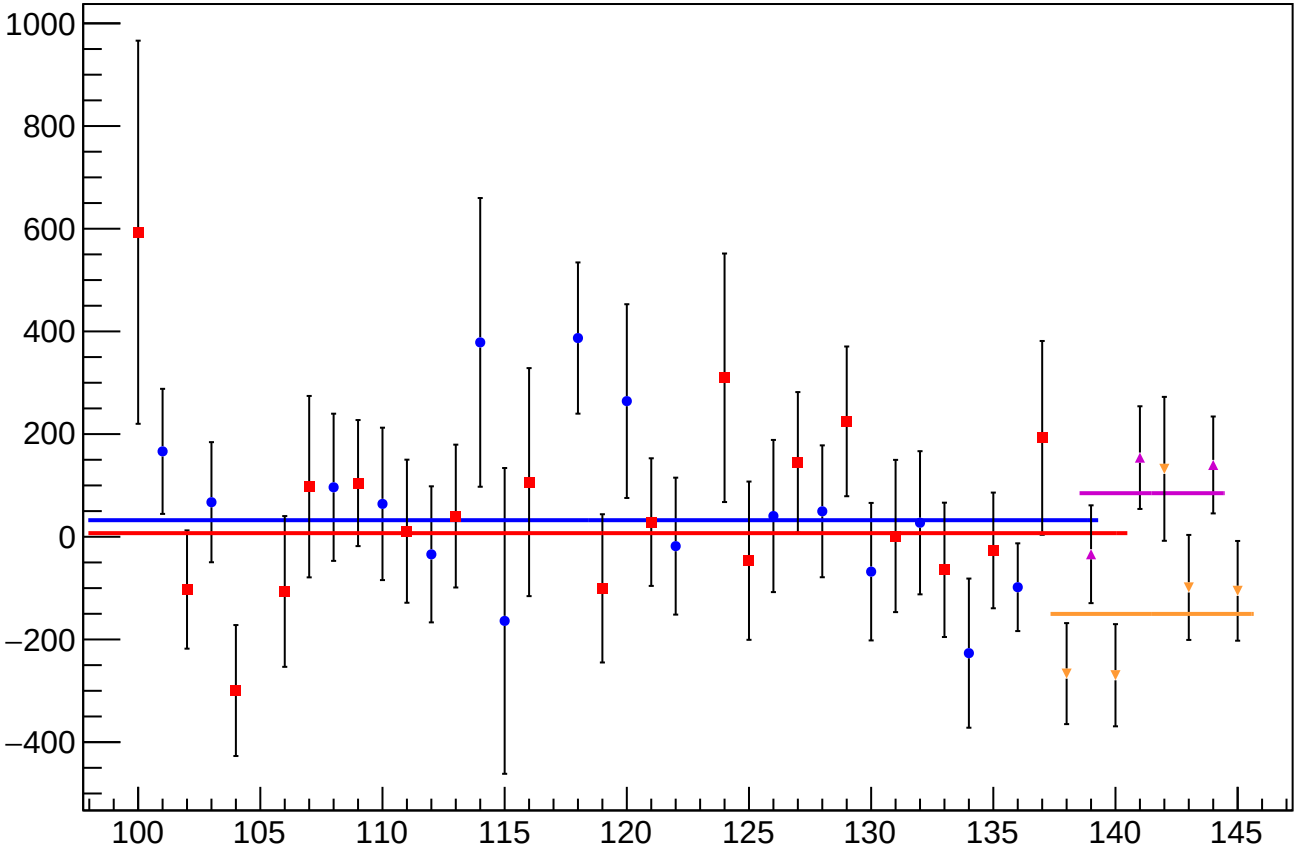
Left In: 0.000+/-0.000 χ^2/NDF:63080.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 3796866.3/20

All: 0.000+/-0.000 χ^2/NDF: 7587882.4/42

- sign 0.000+/-0.000 χ^2/NDF: 3049435.2/21

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

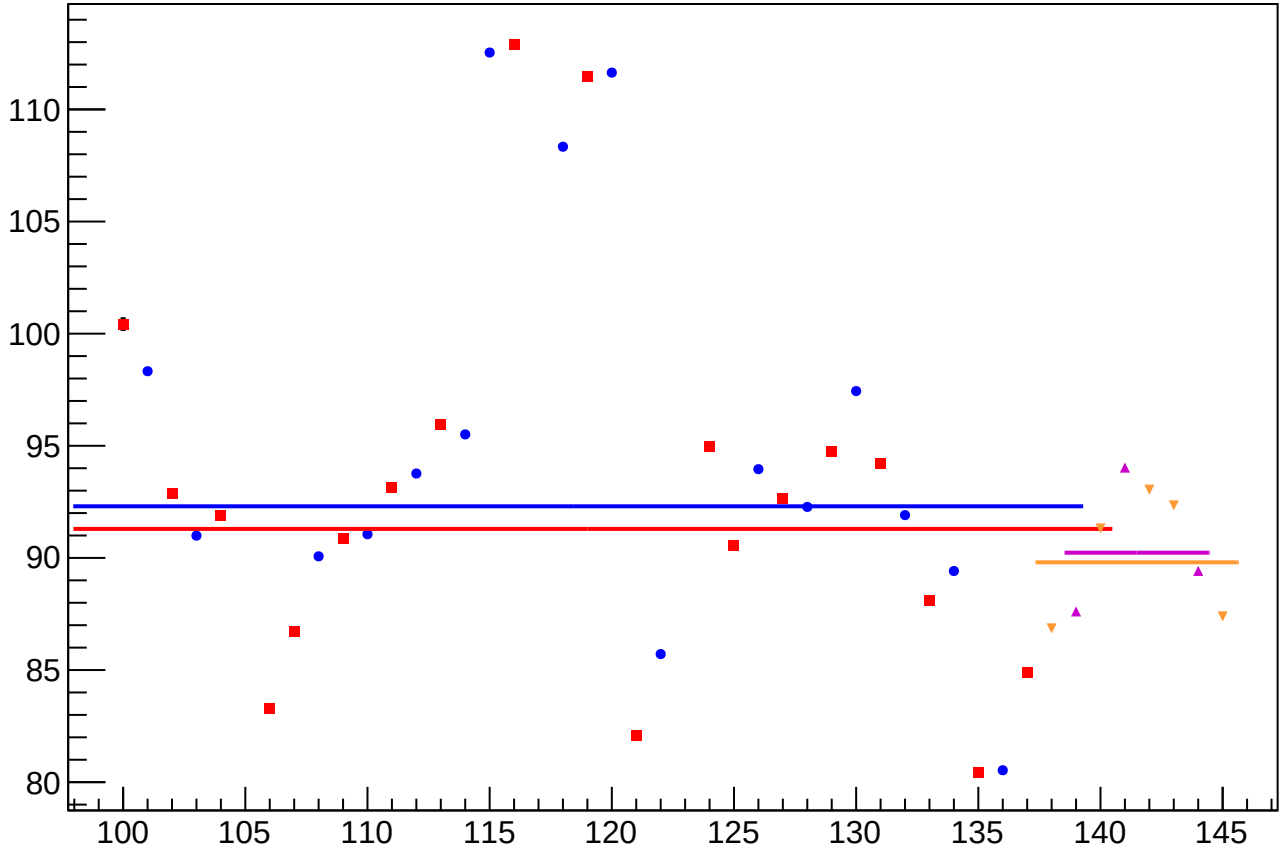
Left In: 84.897+/-55.683 χ^2/NDF:2.4/2

+ sign -31.820+/-27.730 χ^2/NDF: 34.5/20

All: -3.046+/-19.927 χ^2/NDF: 58.4/42

- sign 27.681+/-28.655 χ^2/NDF: 21.6/21

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

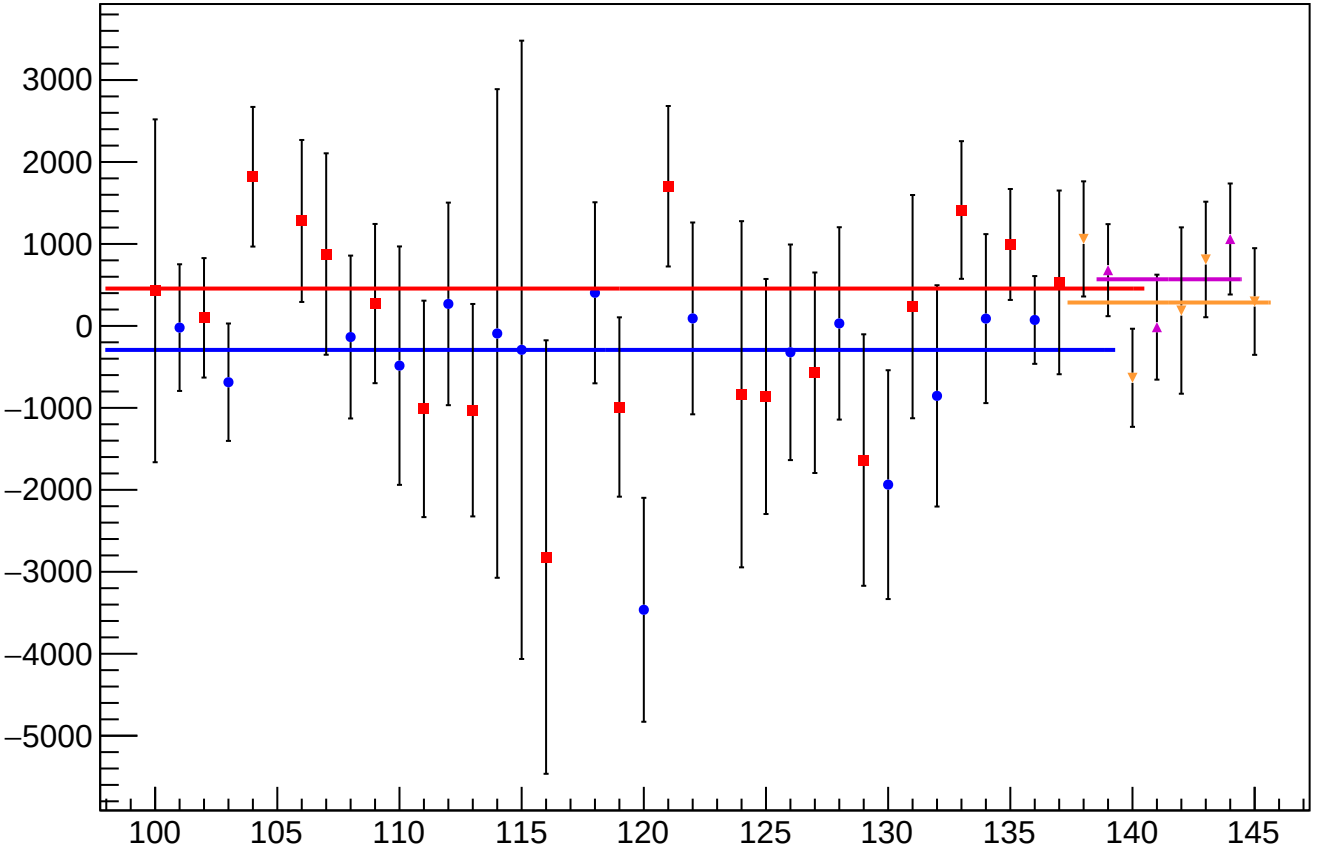
Left In: 90.233+/-0.039 χ^2/NDF:4540.5/2

+ sign 91.425+/-0.020 χ^2/NDF: 116554.1/20

All: 91.225+/-0.014 χ^2/NDF: 226938.2/42

- sign 91.013+/-0.020 χ^2/NDF: 110170.6/21

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

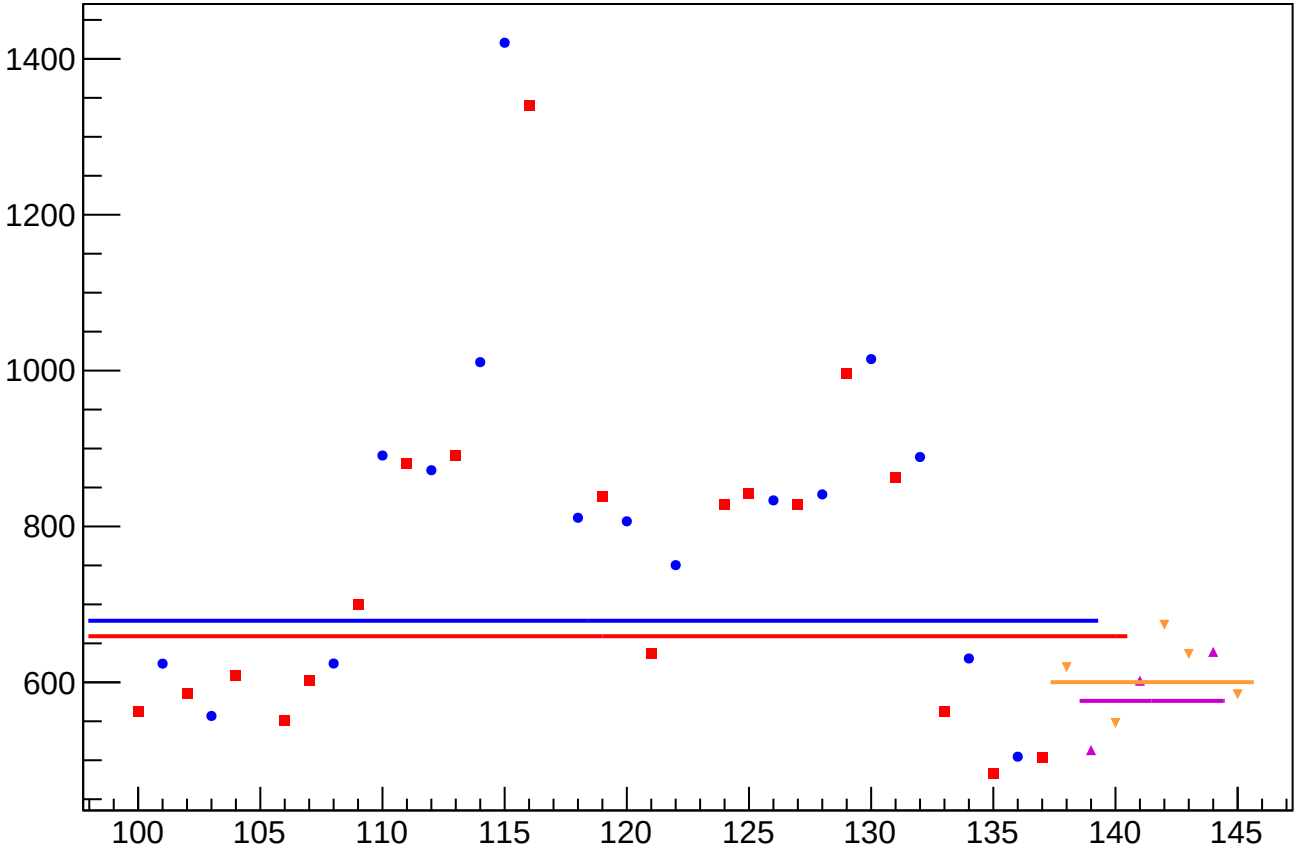
Left In: 568.957+/-358.263 χ^2/NDF:1.4/2

+ sign -57.615+/-200.035 χ^2/NDF: 15.0/20

All: 211.688+/-142.933 χ^2/NDF: 37.0/42

- sign 492.621+/-204.309 χ^2/NDF: 18.3/21

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

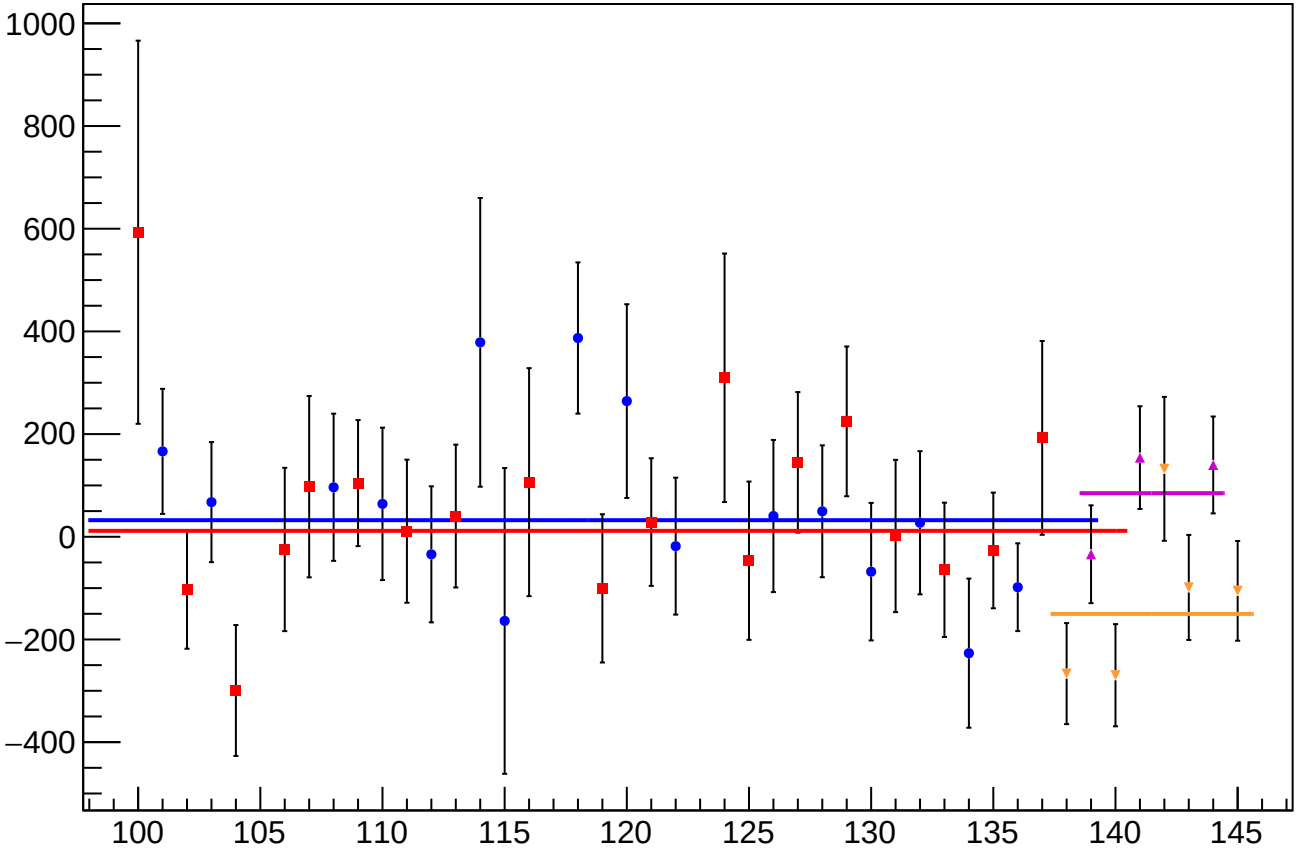
Left In: 576.184+/-0.253 χ^2/NDF:45817.1/2

+ sign 646.950+/-0.141 χ^2/NDF: 876666.6/20

All: 639.710+/-0.101 χ^2/NDF: 1796061.1/42

- sign 632.157+/-0.144 χ^2/NDF: 914040.9/21

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

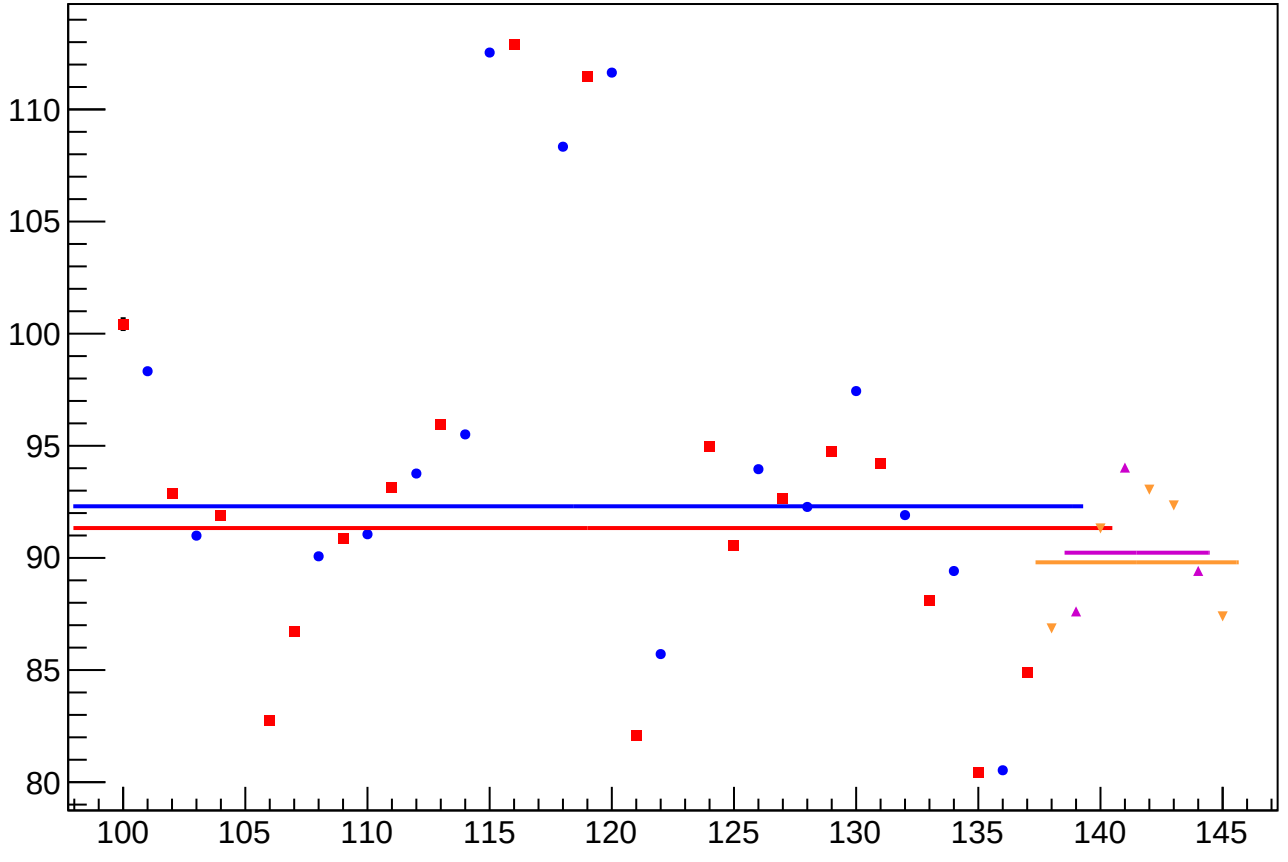
Left In: 84.897+/-55.683 χ^2/NDF:2.4/2

\+ sign -31.811+/-27.730 χ^2/NDF: 34.6/20

All: -1.475+/-19.954 χ^2/NDF: 57.9/42

\- sign 31.103+/-28.736 χ^2/NDF: 20.8/21

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

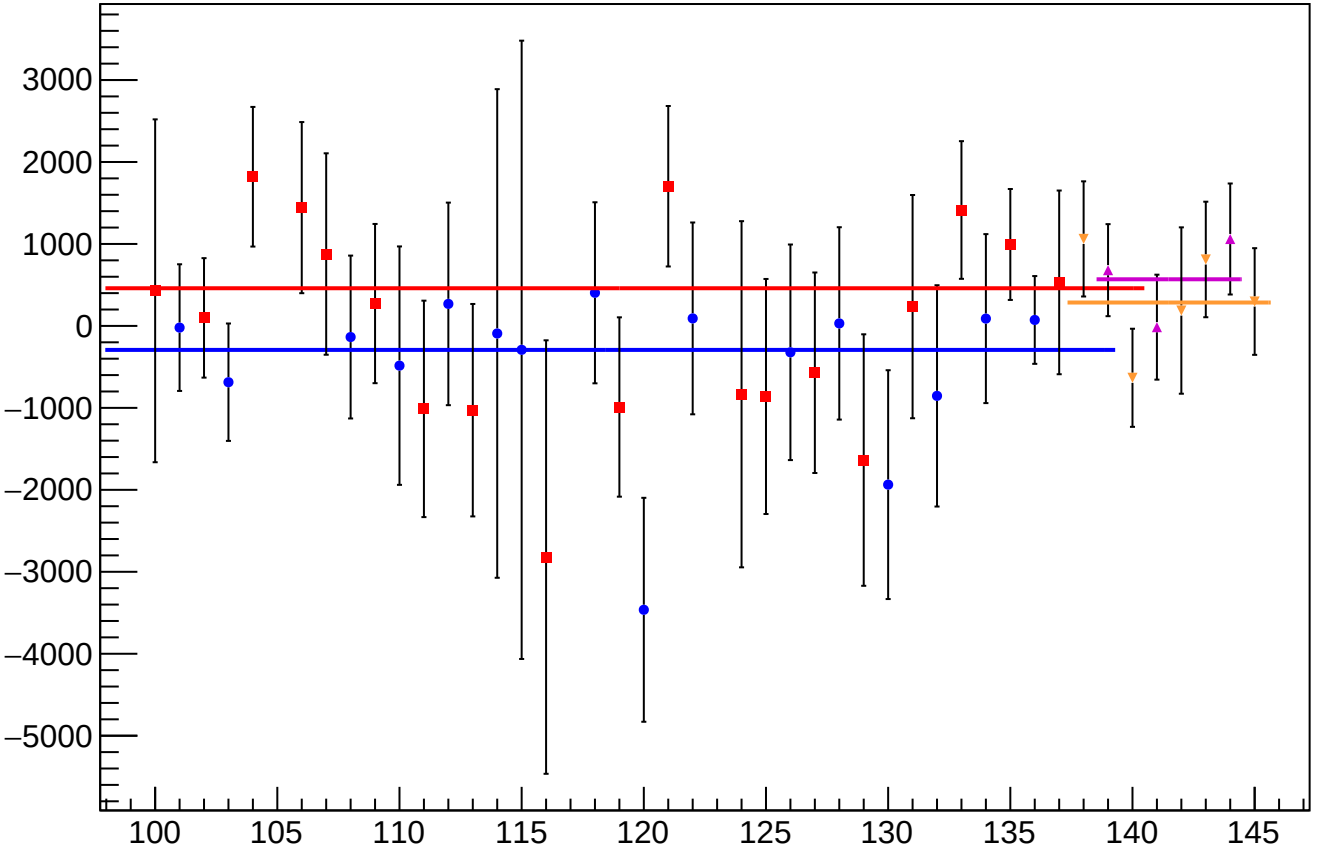
Left In: 90.233+/-0.039 χ^2/NDF:4540.5/2

+ sign 91.425+/-0.020 χ^2/NDF: 116554.1/20

All: 91.239+/-0.014 χ^2/NDF: 226770.8/42

- sign 91.039+/-0.020 χ^2/NDF: 110030.4/21

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

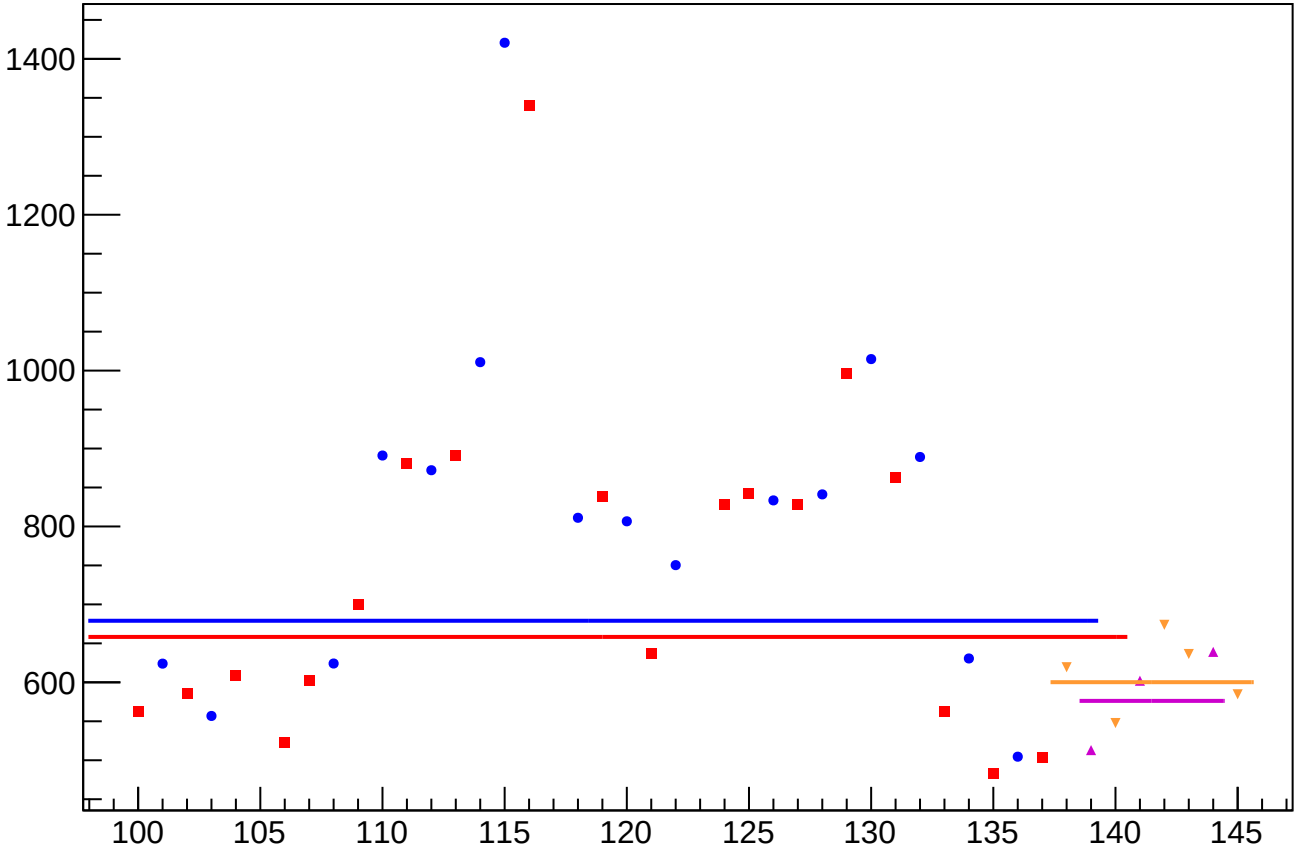
Left In: 568.951+/-358.263 χ^2/NDF:1.4/2

\+ sign -57.615+/-200.035 χ^2/NDF: 15.0/20

All: 212.390+/-143.090 χ^2/NDF: 37.2/42

\- sign 495.319+/-204.766 χ^2/NDF: 18.5/21

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

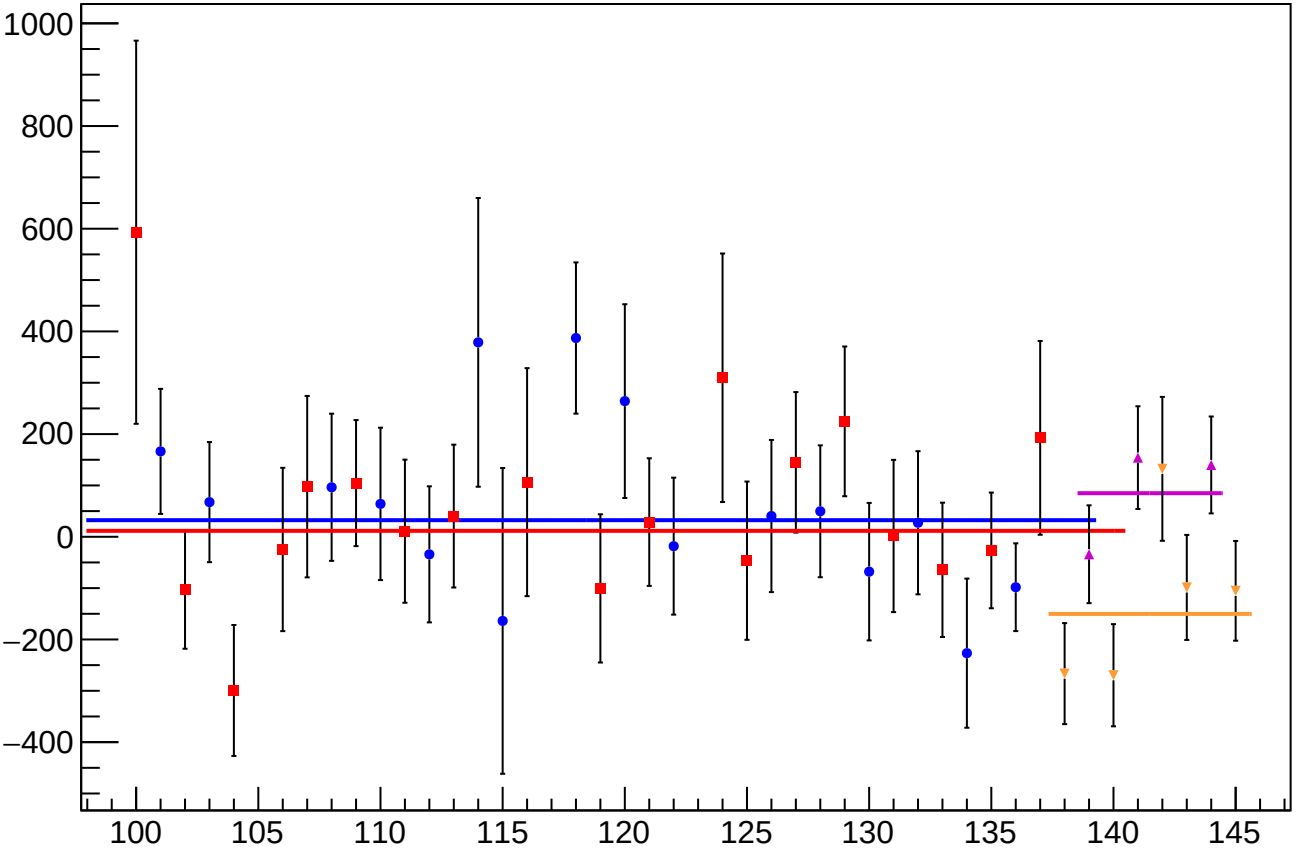
Left In: 576.184+/-0.253 χ^2/NDF:45817.1/2

+ sign 646.950+/-0.141 χ^2/NDF: 876668.6/20

All: 639.381+/-0.101 χ^2/NDF: 1804929.3/42

- sign 631.449+/-0.145 χ^2/NDF: 922396.3/21

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

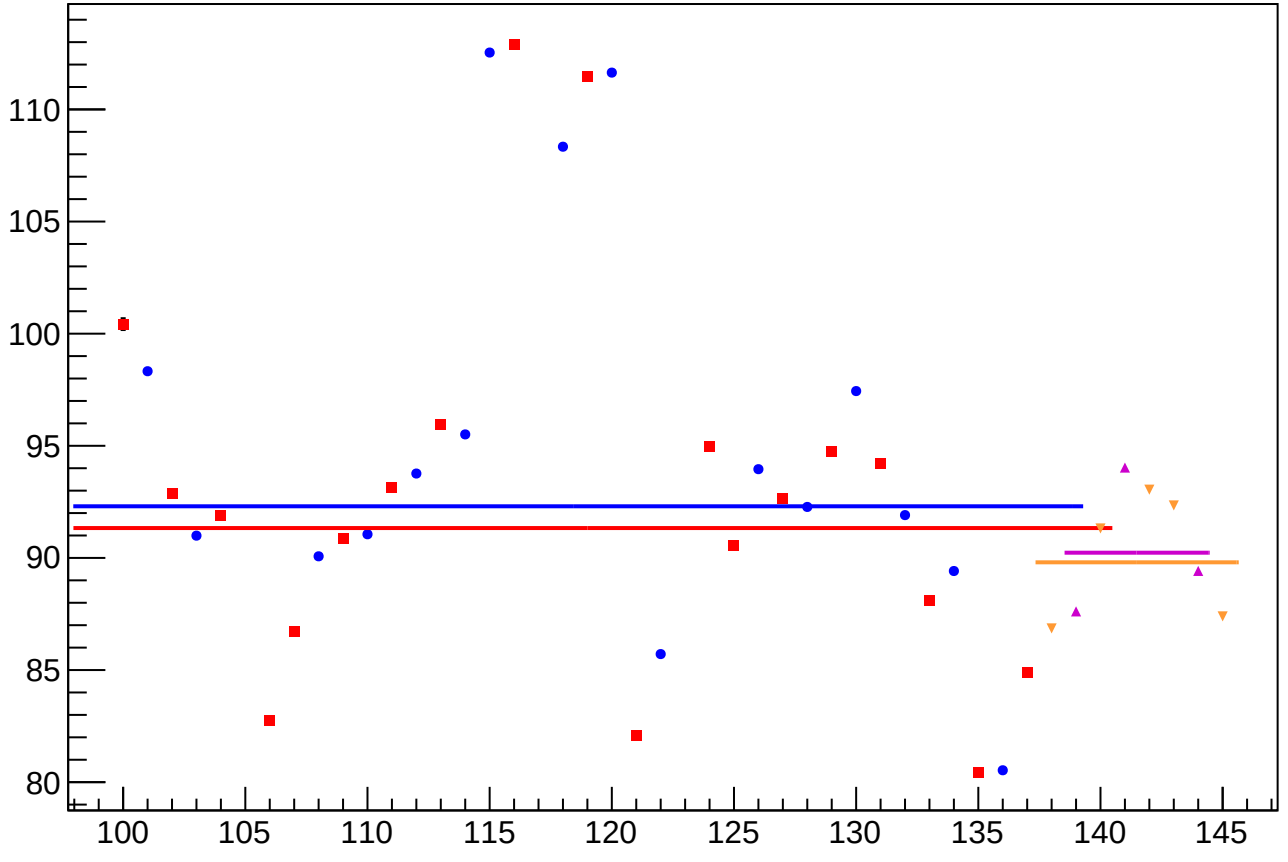
Left In: 84.897+/-55.683 χ^2/NDF:2.4/2

+ sign -31.811+/-27.730 χ^2/NDF: 34.6/20

All: -1.475+/-19.954 χ^2/NDF: 57.9/42

- sign 31.103+/-28.736 χ^2/NDF: 20.8/21

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

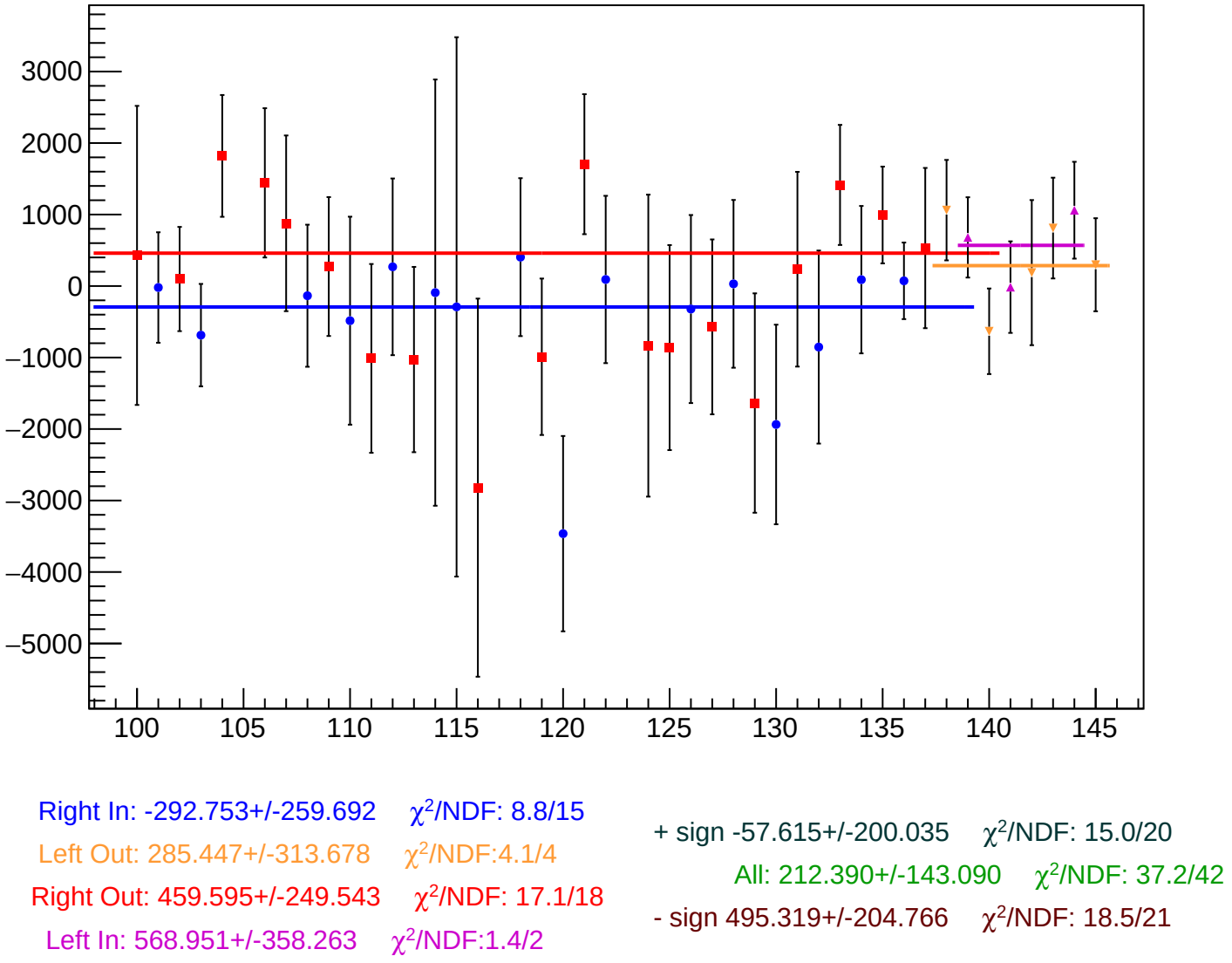
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

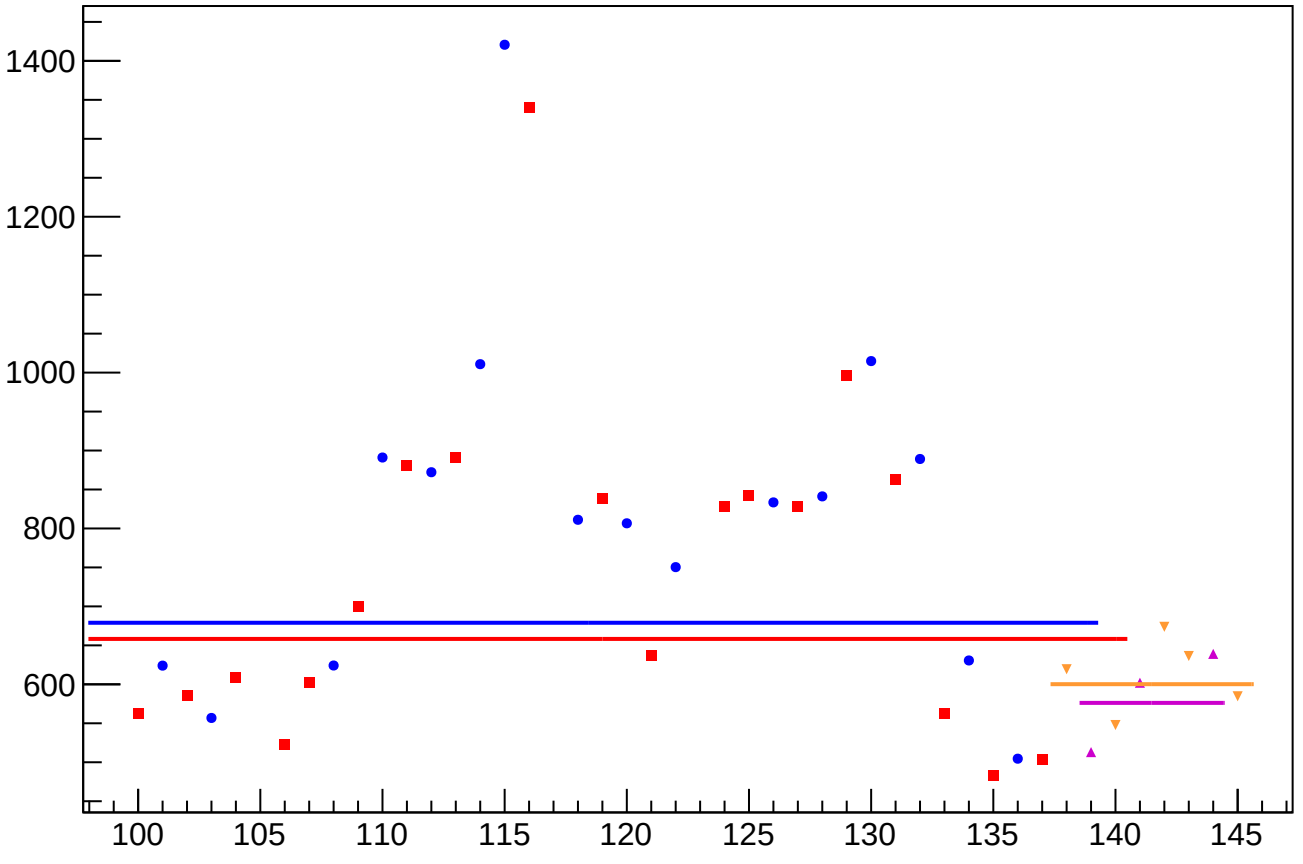
Left In: 90.233+/-0.039 χ^2/NDF:4540.5/2

+ sign 91.425+/-0.020 χ^2/NDF: 116554.1/20

All: 91.239+/-0.014 χ^2/NDF: 226770.8/42

- sign 91.039+/-0.020 χ^2/NDF: 110030.4/21


asym_sam_15_dd_eigen_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
105
110
115
120
125
130
135
140
145
Right In: -292.753+/-259.692 χ²/NDF: 8.8/15
Left Out: 285.447+/-313.678 χ²/NDF:4.1/4
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 568.951+/-358.263 χ²/NDF:1.4/2
+ sign -57.615+/-200.035 χ²/NDF: 15.0/20
All: 212.390+/-143.090 χ²/NDF: 37.2/42
- sign 495.319+/-204.766 χ²/NDF: 18.5/21



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

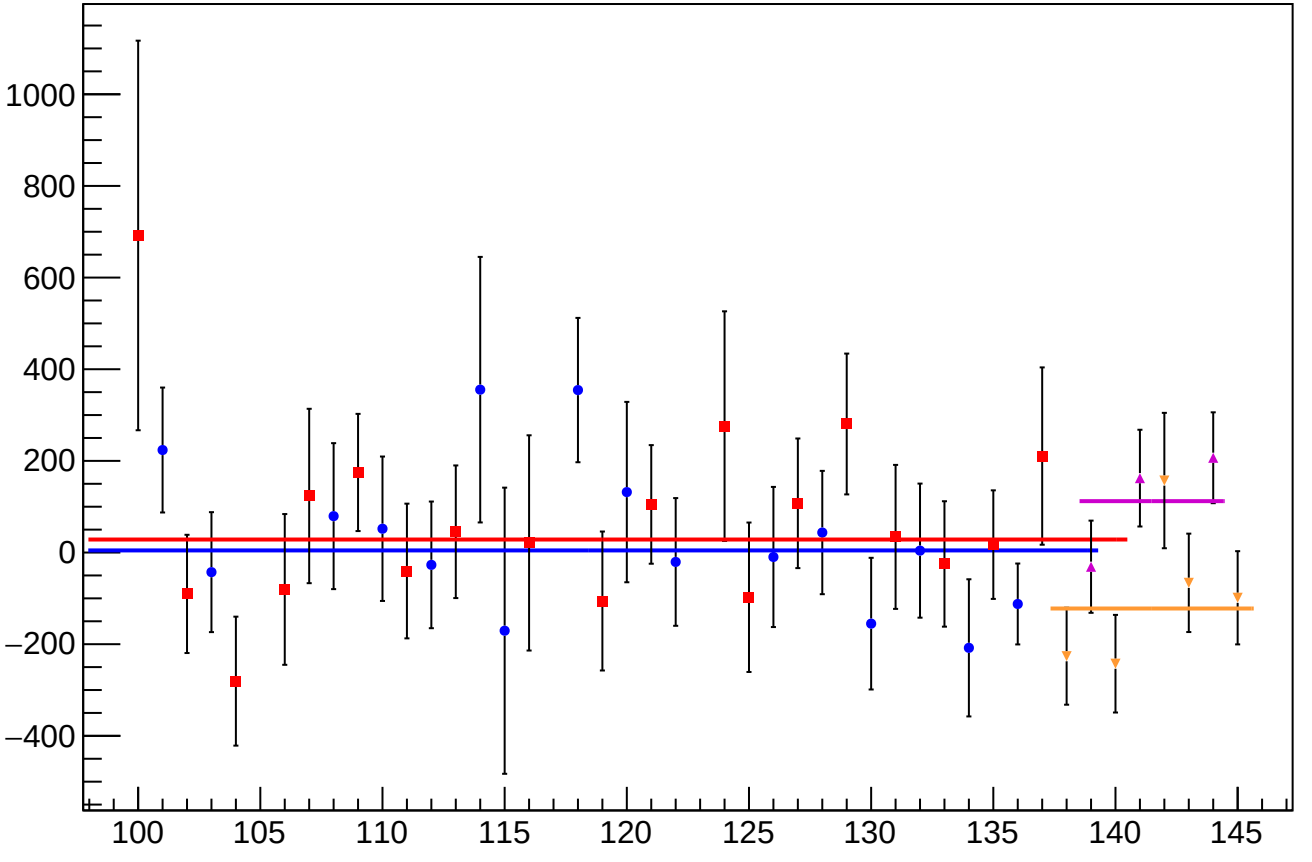
Left In: 576.184+/-0.253 χ^2/NDF:45817.1/2

+ sign 646.950+/-0.141 χ^2/NDF: 876668.6/20

All: 639.381+/-0.101 χ^2/NDF: 1804929.3/42

- sign 631.449+/-0.145 χ^2/NDF: 922396.3/21

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

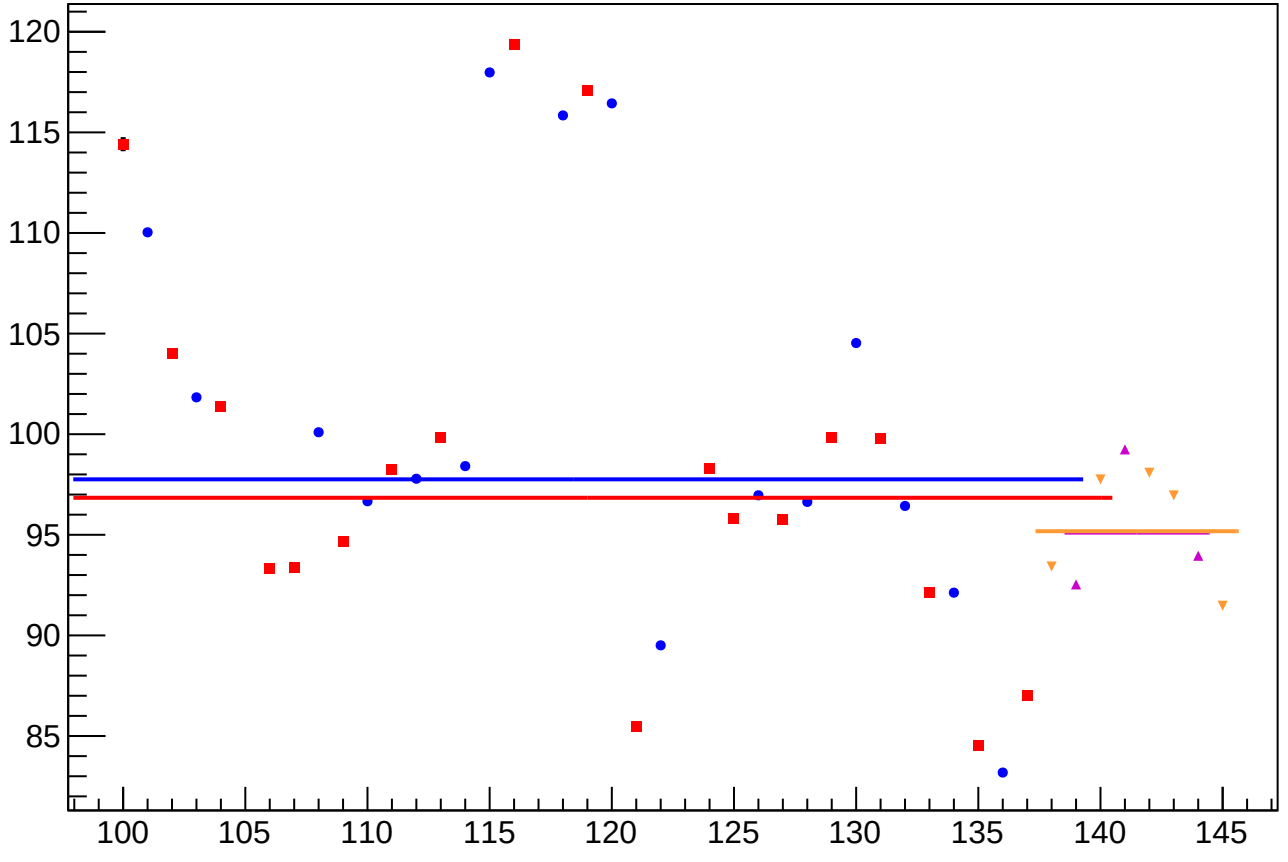
Left In: 112.148+/-58.687 χ^2/NDF:3.2/2

+ sign -39.940+/-29.400 χ^2/NDF: 25.7/20

All: 3.986+/-21.118 χ^2/NDF: 52.1/42

- sign 50.807+/-30.353 χ^2/NDF: 21.7/21

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

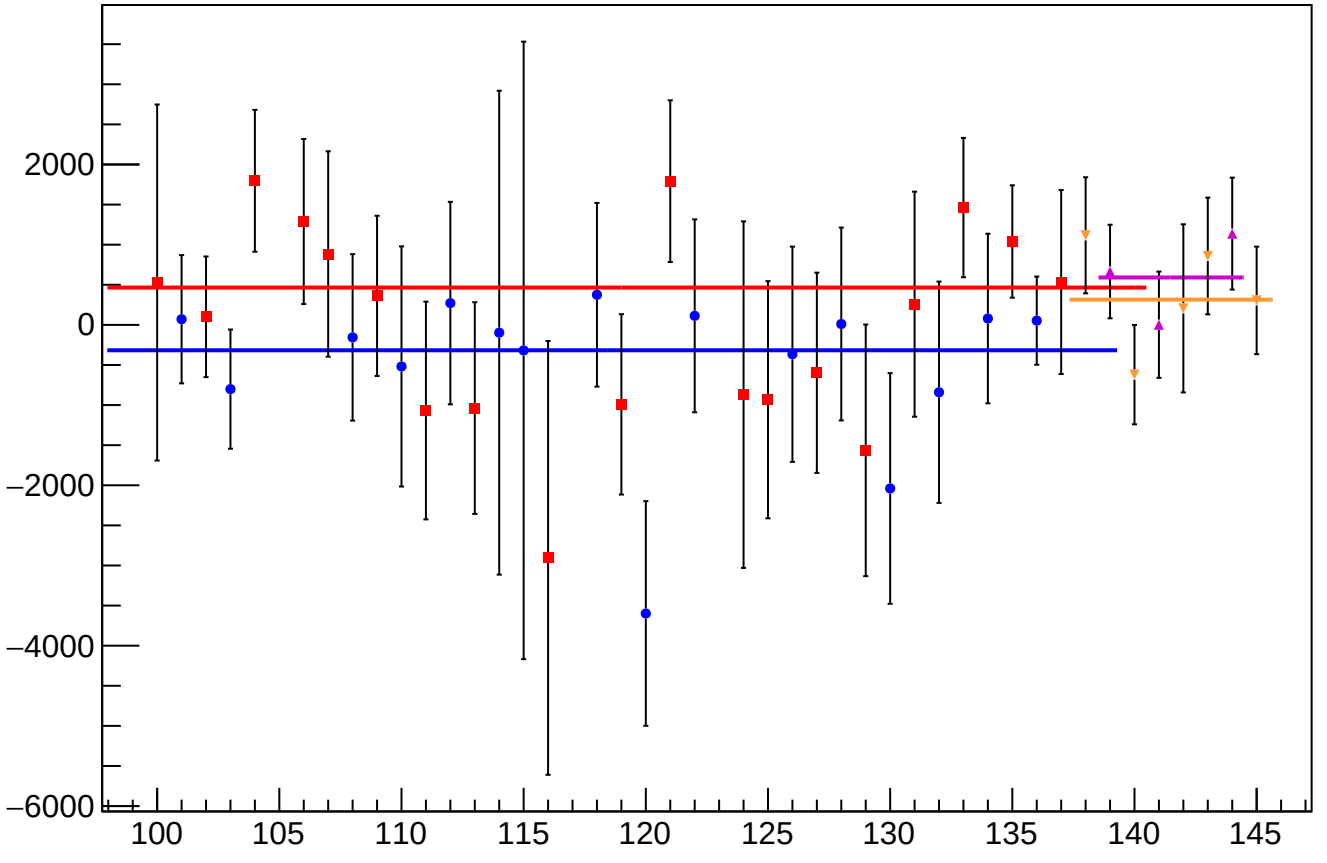
Left In: 95.109+/-0.041 χ^2/NDF:4650.5/2

+ sign 96.850+/-0.021 χ^2/NDF: 149854.4/20

All: 96.621+/-0.015 χ^2/NDF: 271200.3/42

- sign 96.377+/-0.021 χ^2/NDF: 121095.5/21

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

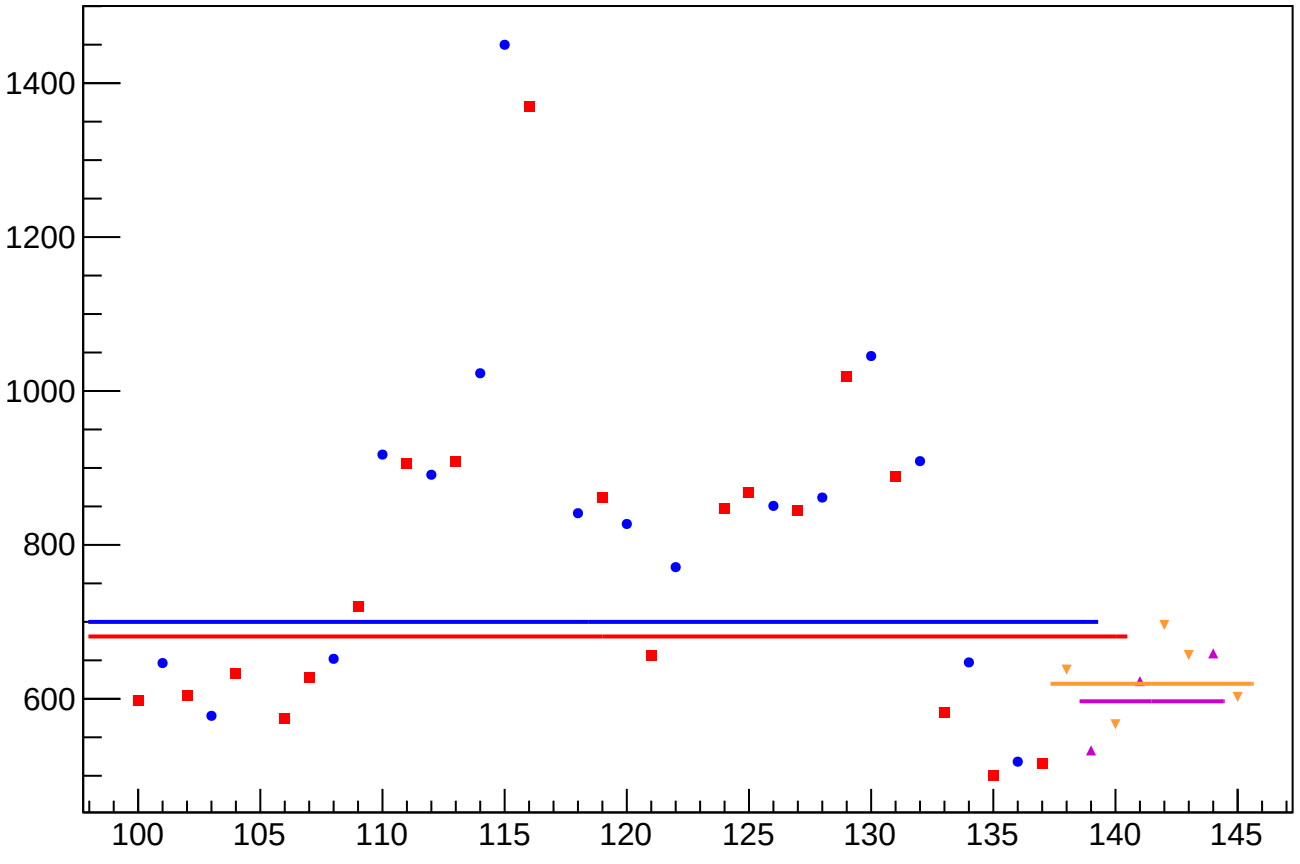
Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: 591.047+/-370.854 χ^2/NDF:1.4/2

+ sign -60.298+/-206.222 χ^2/NDF: 15.5/20

All: 216.417+/-147.495 χ^2/NDF: 37.2/42

- sign 506.207+/-211.039 χ^2/NDF: 18.0/21



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

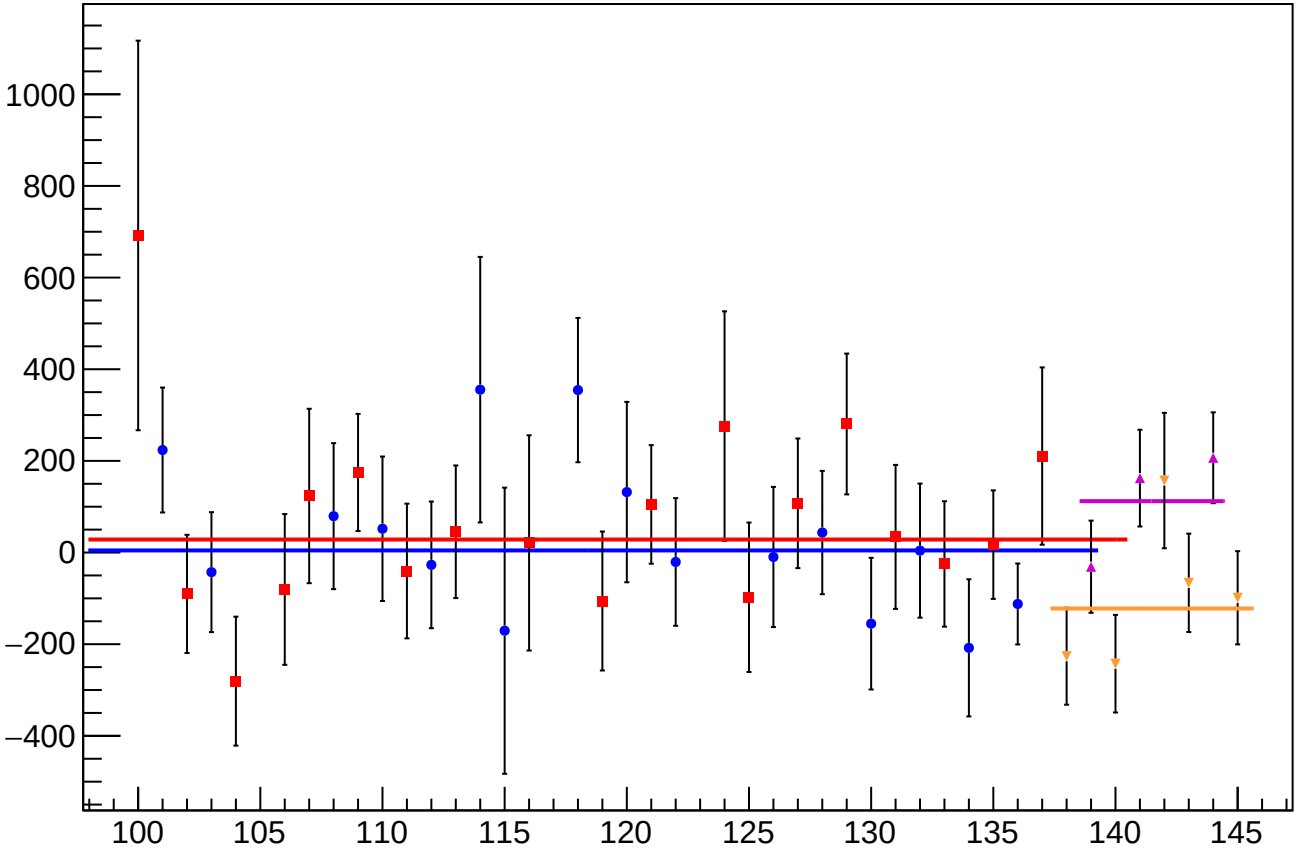
Left In: 596.798+/-0.262 χ^2/NDF:42968.6/2

+ sign 667.342+/-0.146 χ^2/NDF: 859932.3/20

All: 660.700+/-0.104 χ^2/NDF: 1746287.8/42

- sign 653.744+/-0.149 χ^2/NDF: 882107.8/21

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

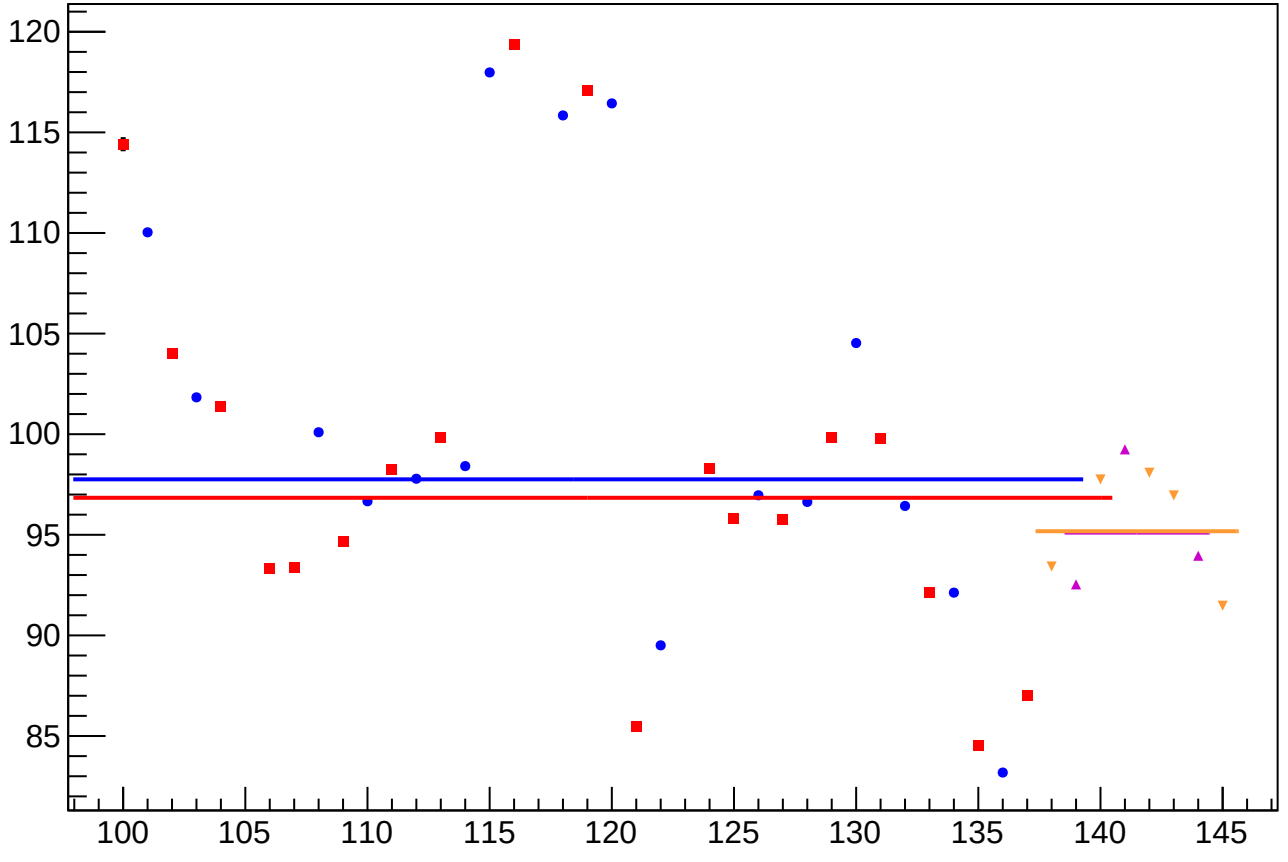
Left In: 112.148+/-58.688 χ^2/NDF:3.2/2

\+ sign -39.939+/-29.400 χ^2/NDF: 25.7/20

All: 3.987+/-21.118 χ^2/NDF: 52.1/42

\- sign 50.807+/-30.353 χ^2/NDF: 21.7/21

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

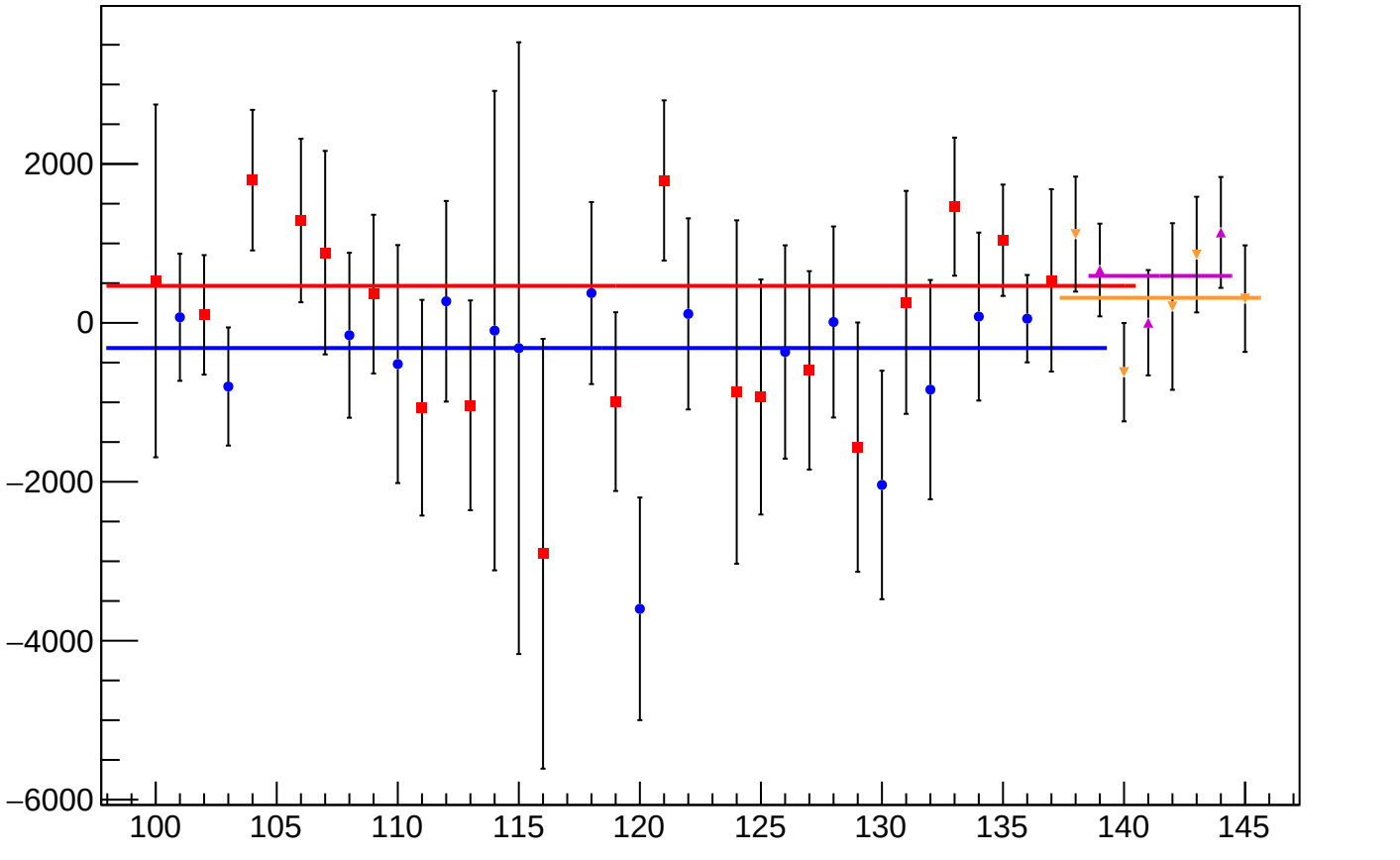
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 95.109+/-0.041 χ^2/NDF:4650.7/2

+ sign 96.849+/-0.021 χ^2/NDF: 149853.6/20

All: 96.621+/-0.015 χ^2/NDF: 271201.2/42

- sign 96.377+/-0.021 χ^2/NDF: 121097.2/21



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

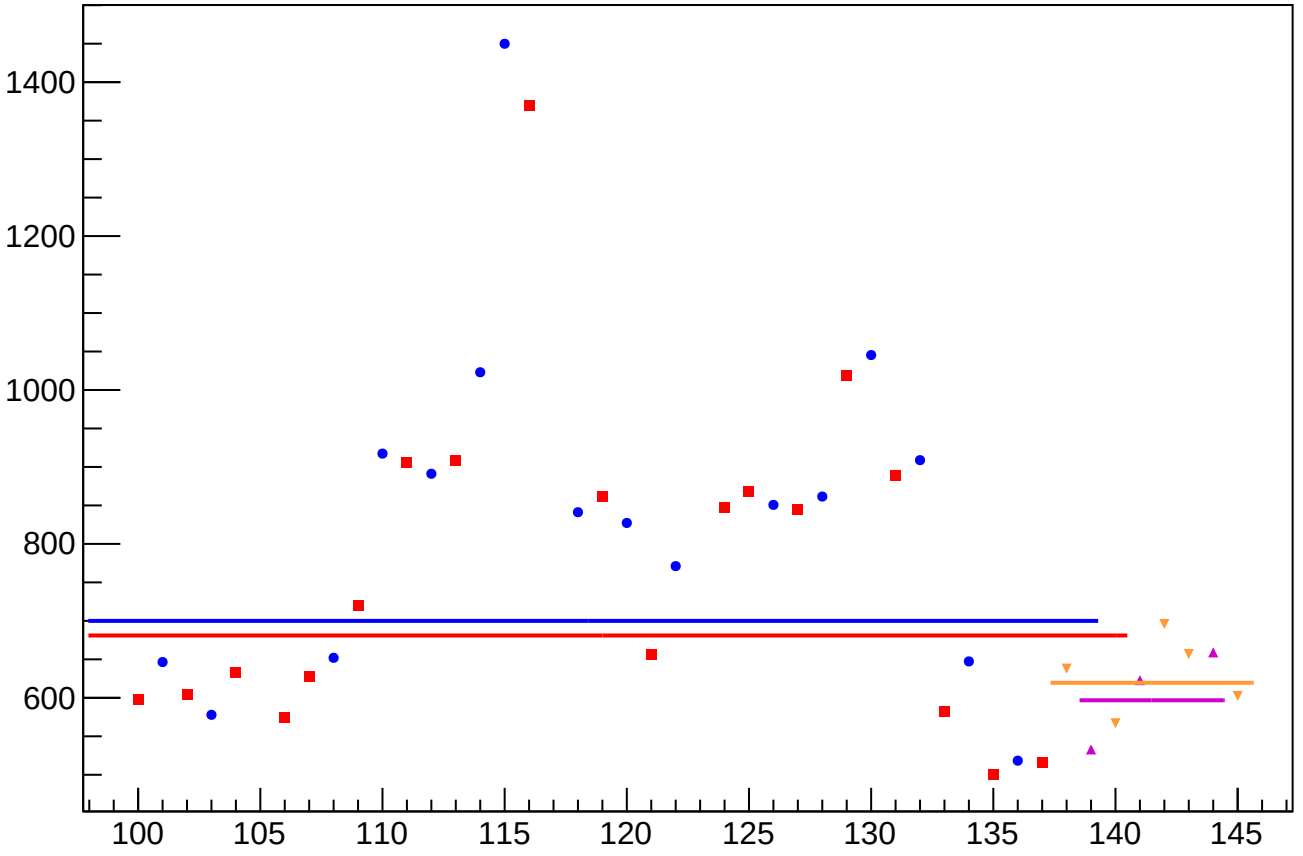
Left In: 591.049+/-370.854 χ^2/NDF:1.4/2

\+ sign -60.299+/-206.222 χ^2/NDF: 15.5/20

All: 216.417+/-147.494 χ^2/NDF: 37.2/42

\- sign 506.208+/-211.038 χ^2/NDF: 18.0/21

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

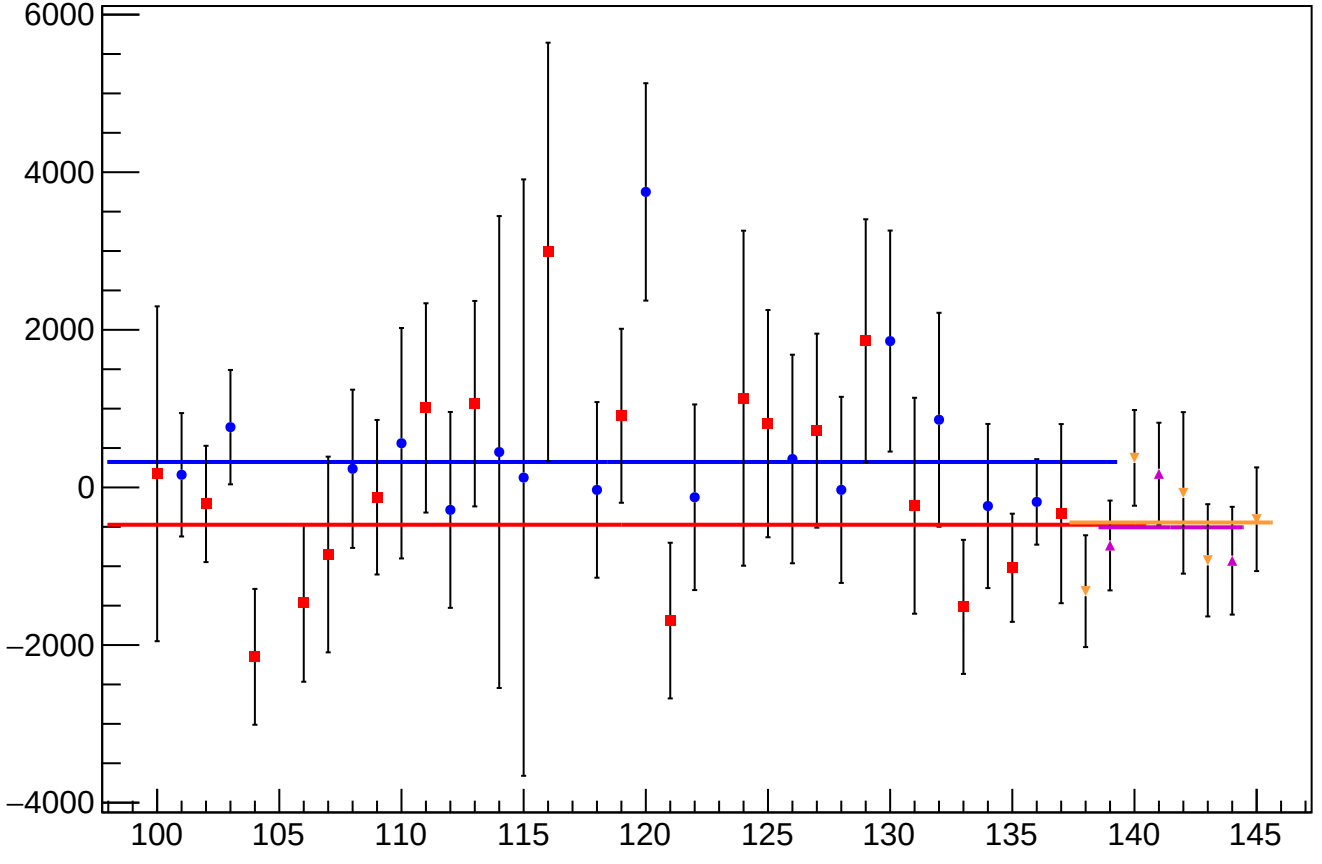
Left In: 596.799+/-0.262 χ^2/NDF:42968.3/2

\+ sign 667.342+/-0.146 χ^2/NDF: 859930.4/20

All: 660.699+/-0.104 χ^2/NDF: 1746284.8/42

\- sign 653.743+/-0.149 χ^2/NDF: 882106.6/21

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

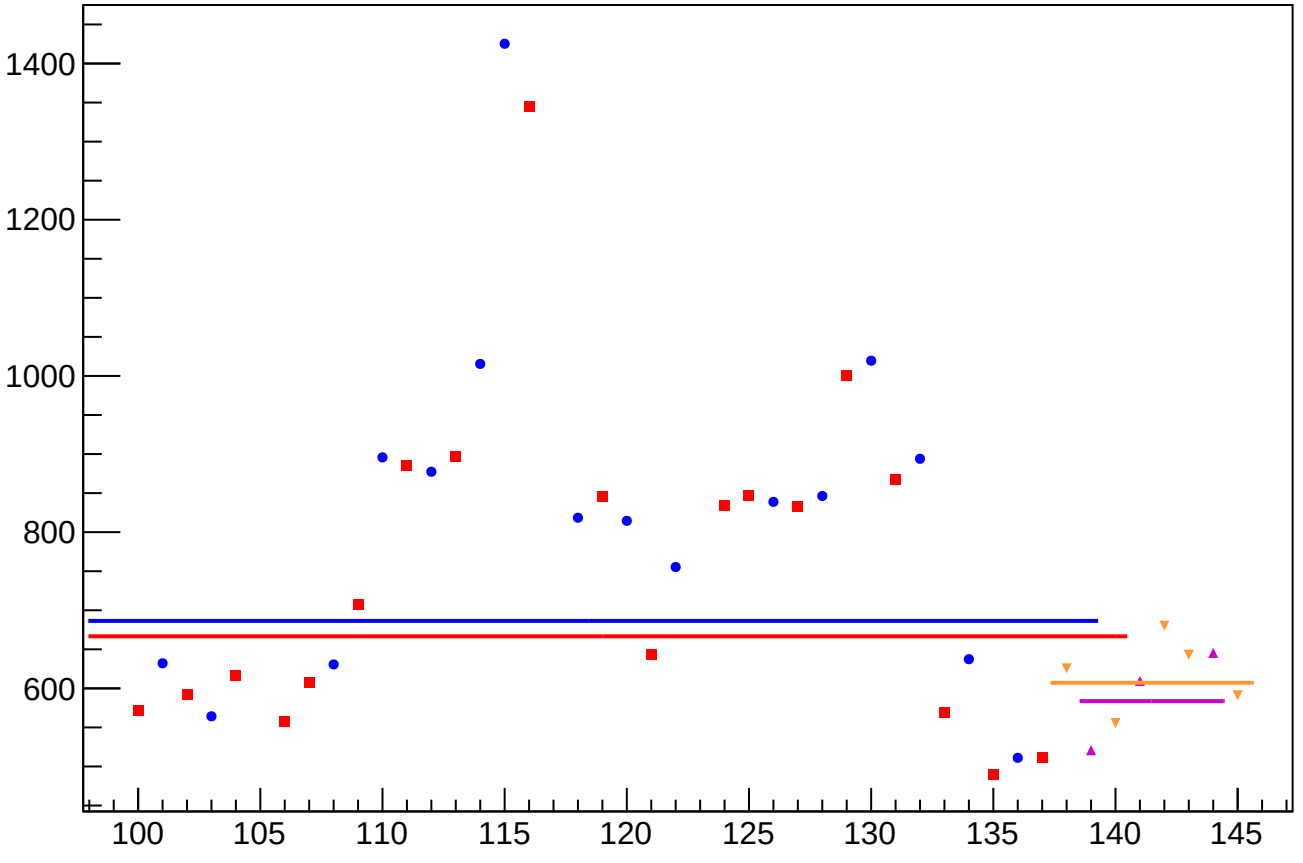
Left In: -505.860+/-362.798 χ^2/NDF:1.6/2

+ sign 11.380+/-202.172 χ^2/NDF: 17.1/20

All: -230.855+/-144.497 χ^2/NDF: 41.1/42

- sign -483.814+/-206.598 χ^2/NDF: 21.1/21

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

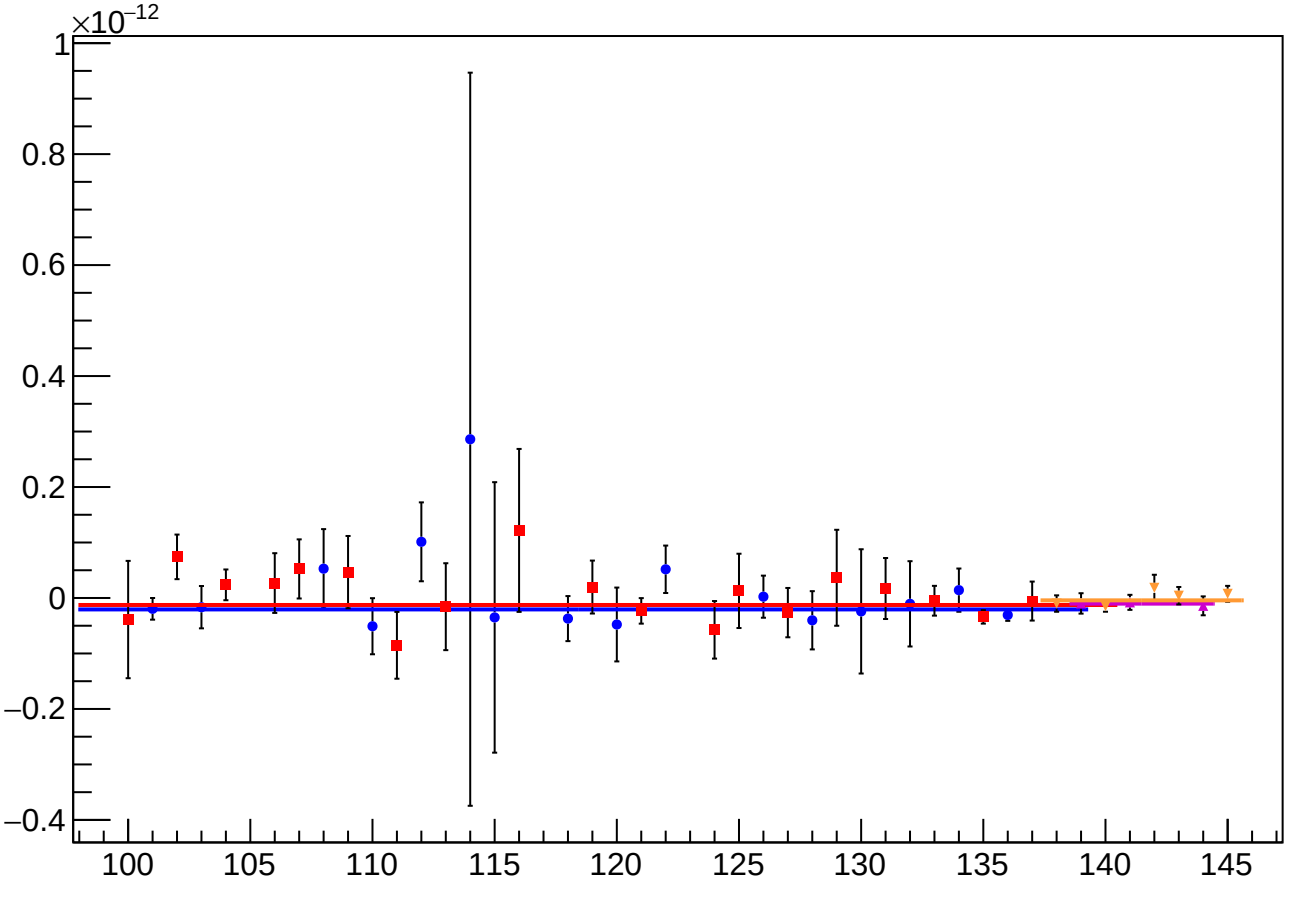
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 583.694+/-0.257 χ^2/NDF:43773.6/2

+ sign 654.217+/-0.143 χ^2/NDF: 855827.5/20

All: 647.135+/-0.102 χ^2/NDF: 1752283.4/42

- sign 639.738+/-0.146 χ^2/NDF: 891438.1/21



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/4

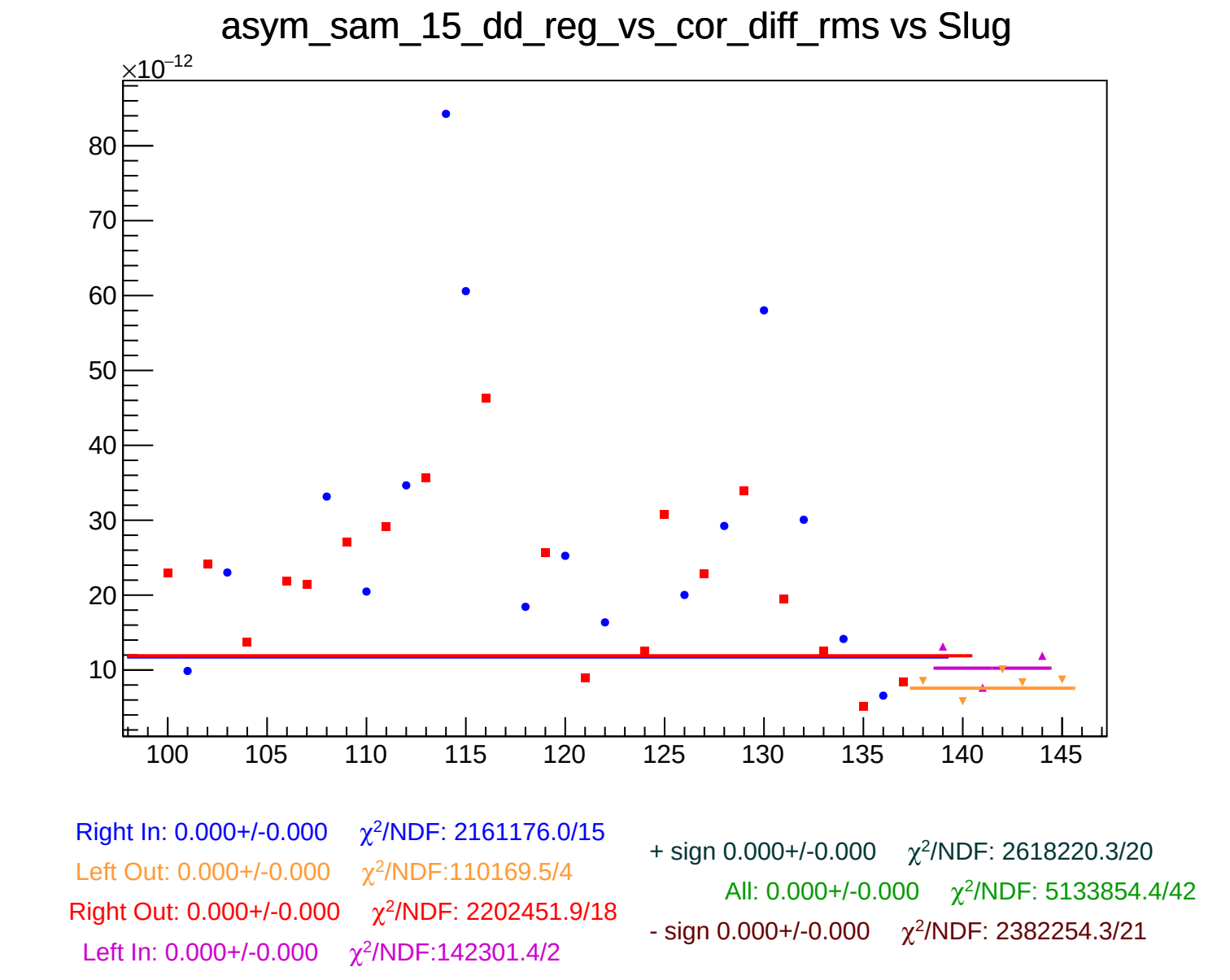
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 15.8/20

All: -0.000+/-0.000 χ^2/NDF: 33.0/42

- sign -0.000+/-0.000 χ^2/NDF: 17.2/21


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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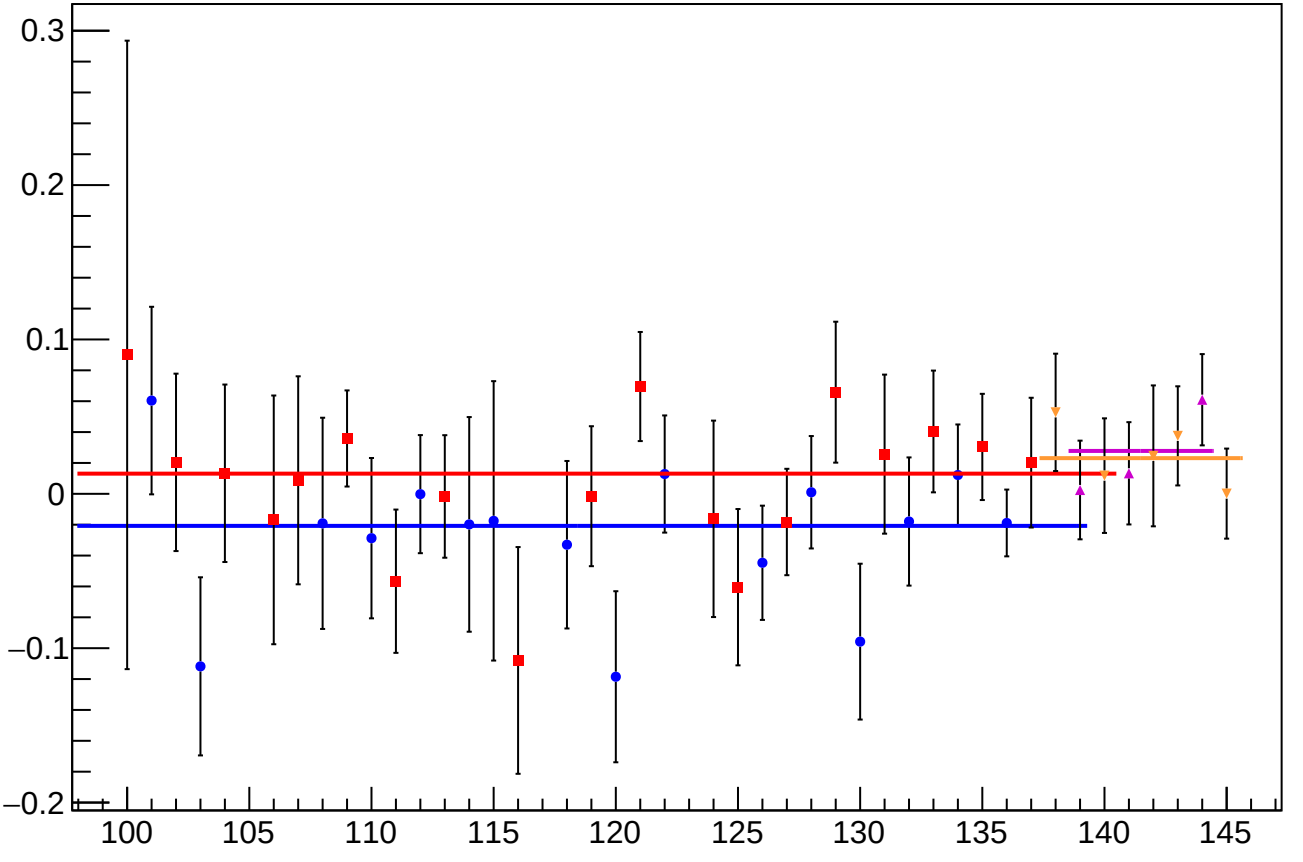
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:110169.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:142301.4/2
+ sign 0.000+/-0.000 χ²/NDF: 2618220.3/20
All: 0.000+/-0.000 χ²/NDF: 5133854.4/42
- sign 0.000+/-0.000 χ²/NDF: 2382254.3/21

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

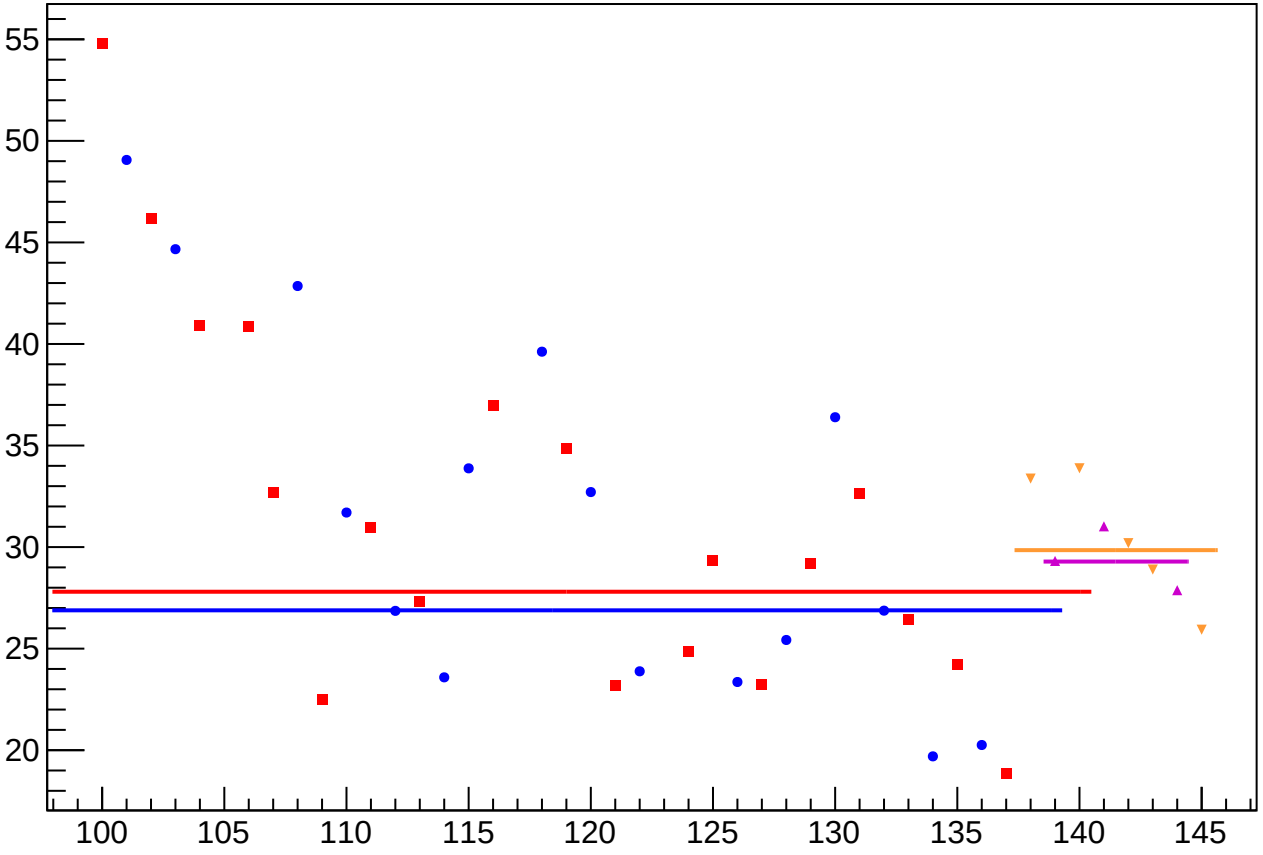
Left In: 0.028+/-0.018 χ^2/NDF:2.1/2

+ sign -0.007+/-0.009 χ^2/NDF: 19.4/20

All: 0.004+/-0.006 χ^2/NDF: 39.5/42

- sign 0.017+/-0.009 χ^2/NDF: 16.5/21

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

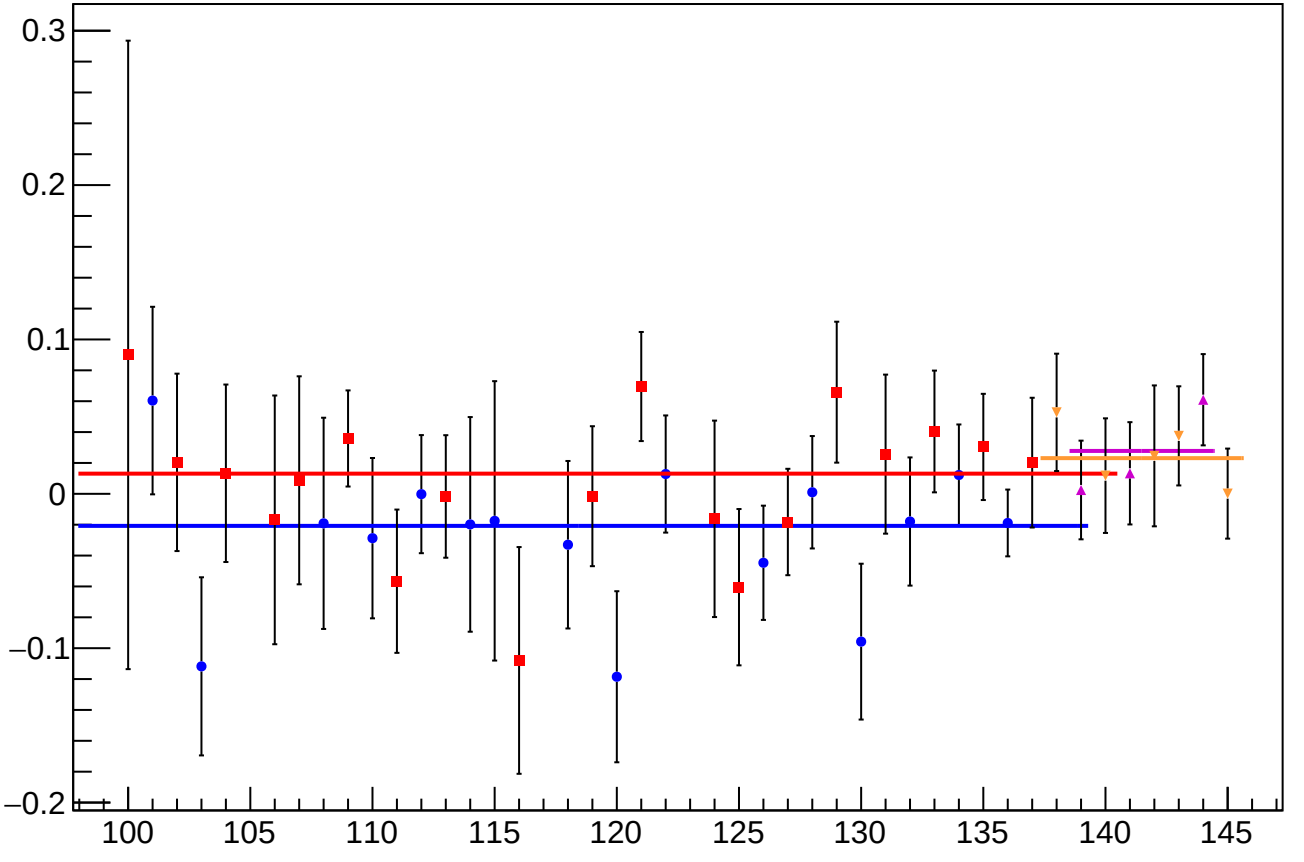
Left In: 29.287+/-0.013 χ^2/NDF:10031.2/2

+ sign 27.801+/-0.006 χ^2/NDF: 1248336.9/20

All: 27.981+/-0.004 χ^2/NDF: 2033255.3/42

- sign 28.176+/-0.006 χ^2/NDF: 783149.3/21

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

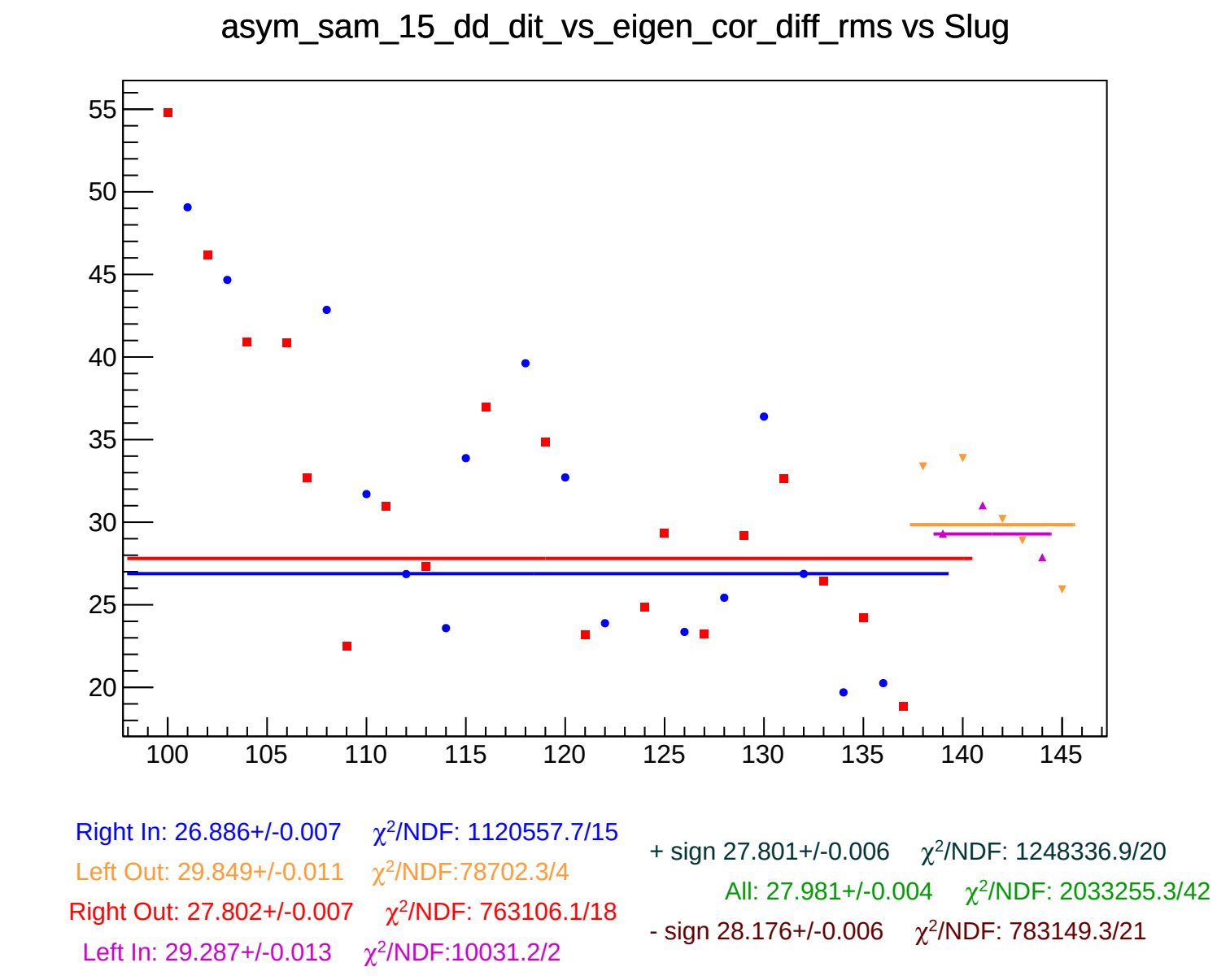
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.018 χ^2/NDF:2.1/2

+ sign -0.007+/-0.009 χ^2/NDF: 19.4/20

All: 0.004+/-0.006 χ^2/NDF: 39.5/42

- sign 0.017+/-0.009 χ^2/NDF: 16.5/21


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
55
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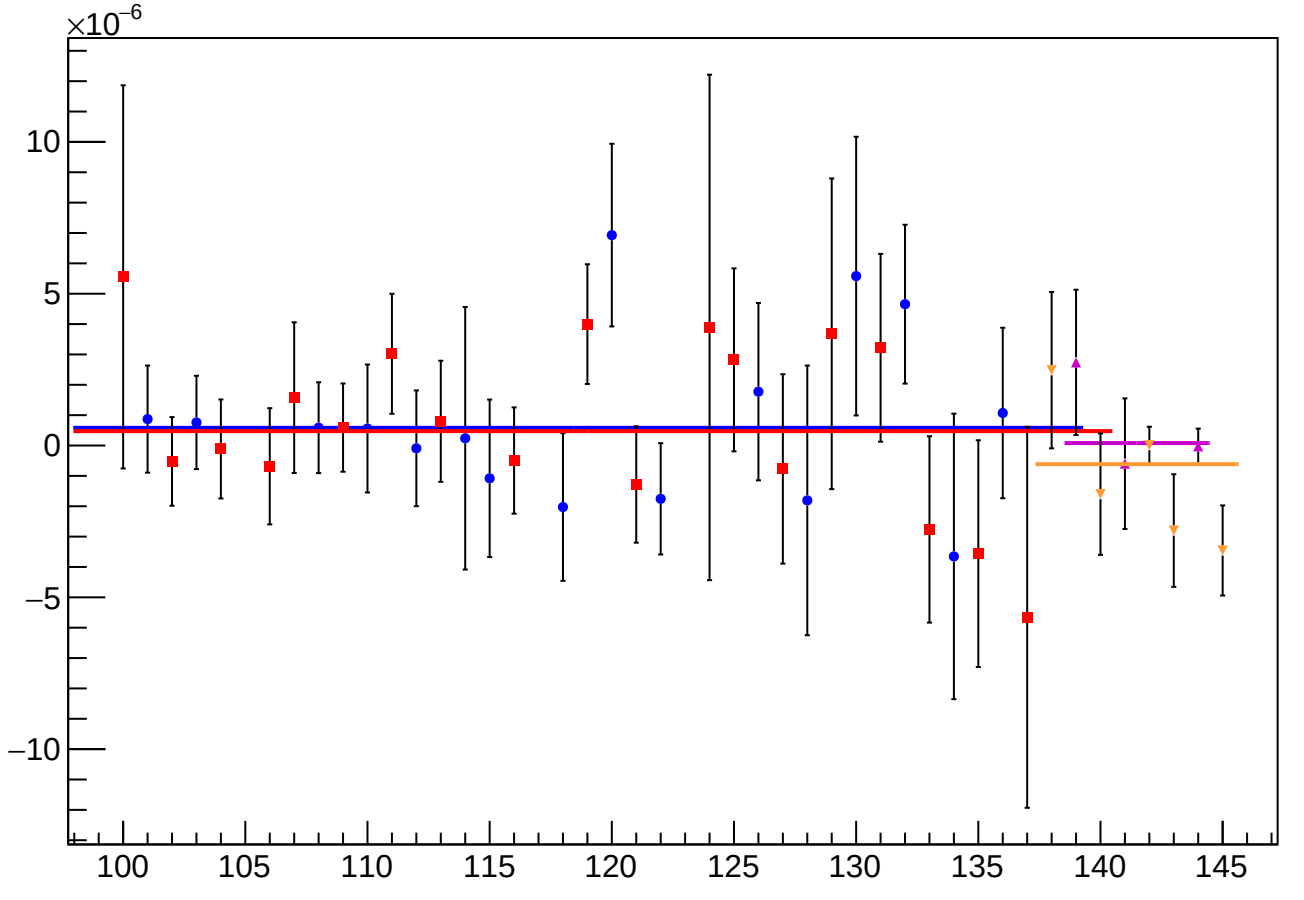
125
130
135
140
145
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 29.849+/-0.011 χ²/NDF:78702.3/4
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 29.287+/-0.013 χ²/NDF:10031.2/2
+ sign 27.801+/-0.006 χ²/NDF: 1248336.9/20
All: 27.981+/-0.004 χ²/NDF: 2033255.3/42
- sign 28.176+/-0.006 χ²/NDF: 783149.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/4

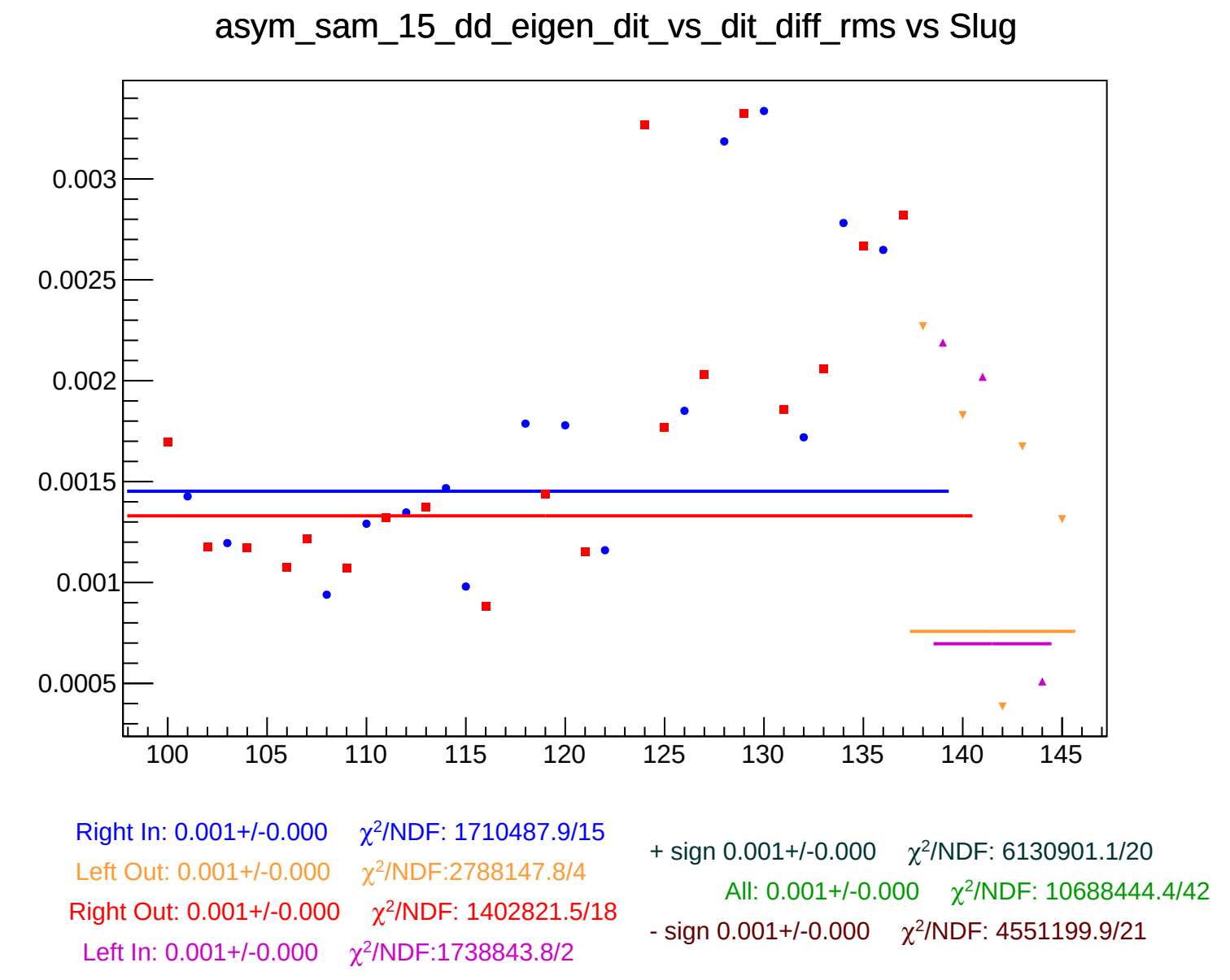
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/2

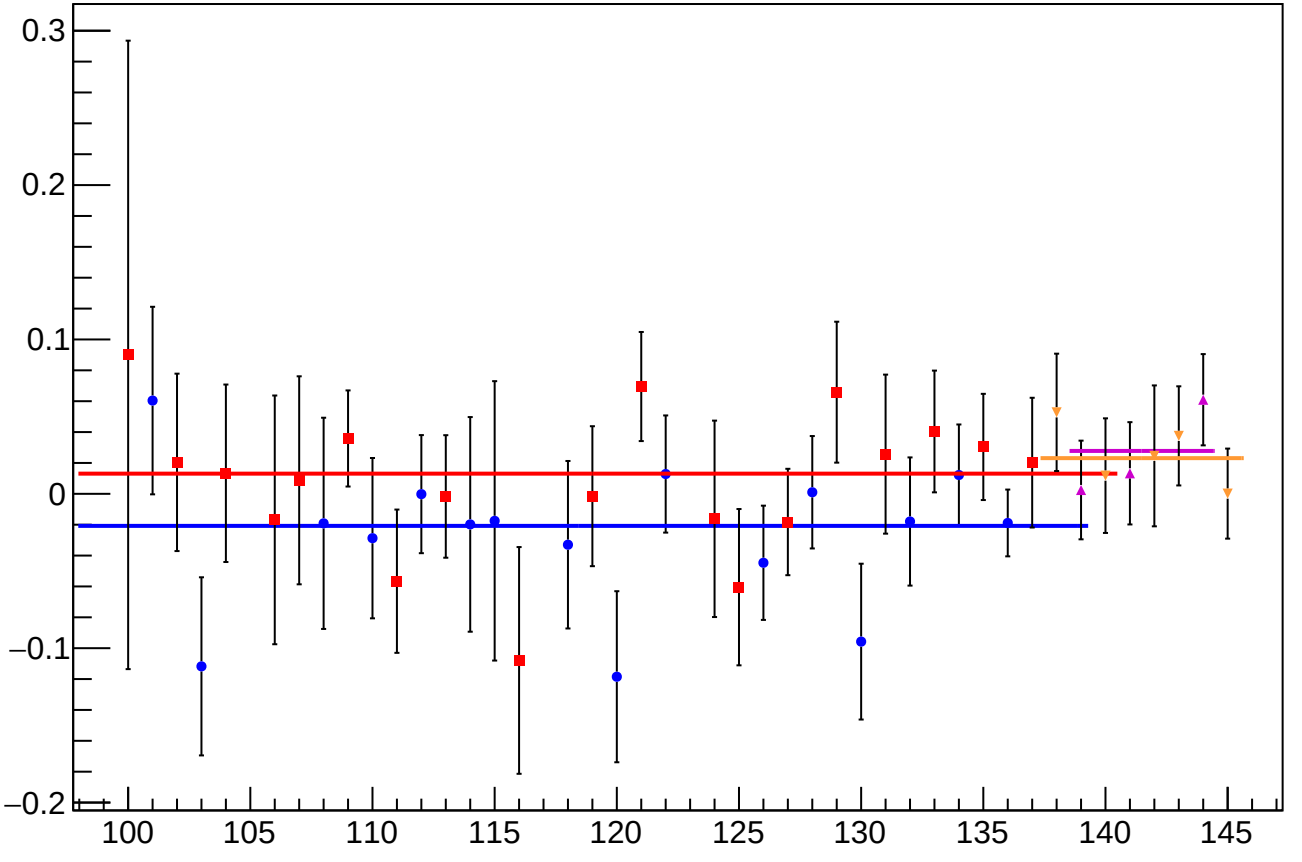
+ sign -0.000+/-0.000 χ^2/NDF: 23.0/20

All: 0.000+/-0.000 χ^2/NDF: 38.3/42

- sign 0.000+/-0.000 χ^2/NDF: 14.8/21


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2788147.8/4
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:1738843.8/2
+ sign 0.001+/-0.000 χ²/NDF: 6130901.1/20
All: 0.001+/-0.000 χ²/NDF: 10688444.4/42
- sign 0.001+/-0.000 χ²/NDF: 4551199.9/21

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.016 χ^2/NDF:1.5/4

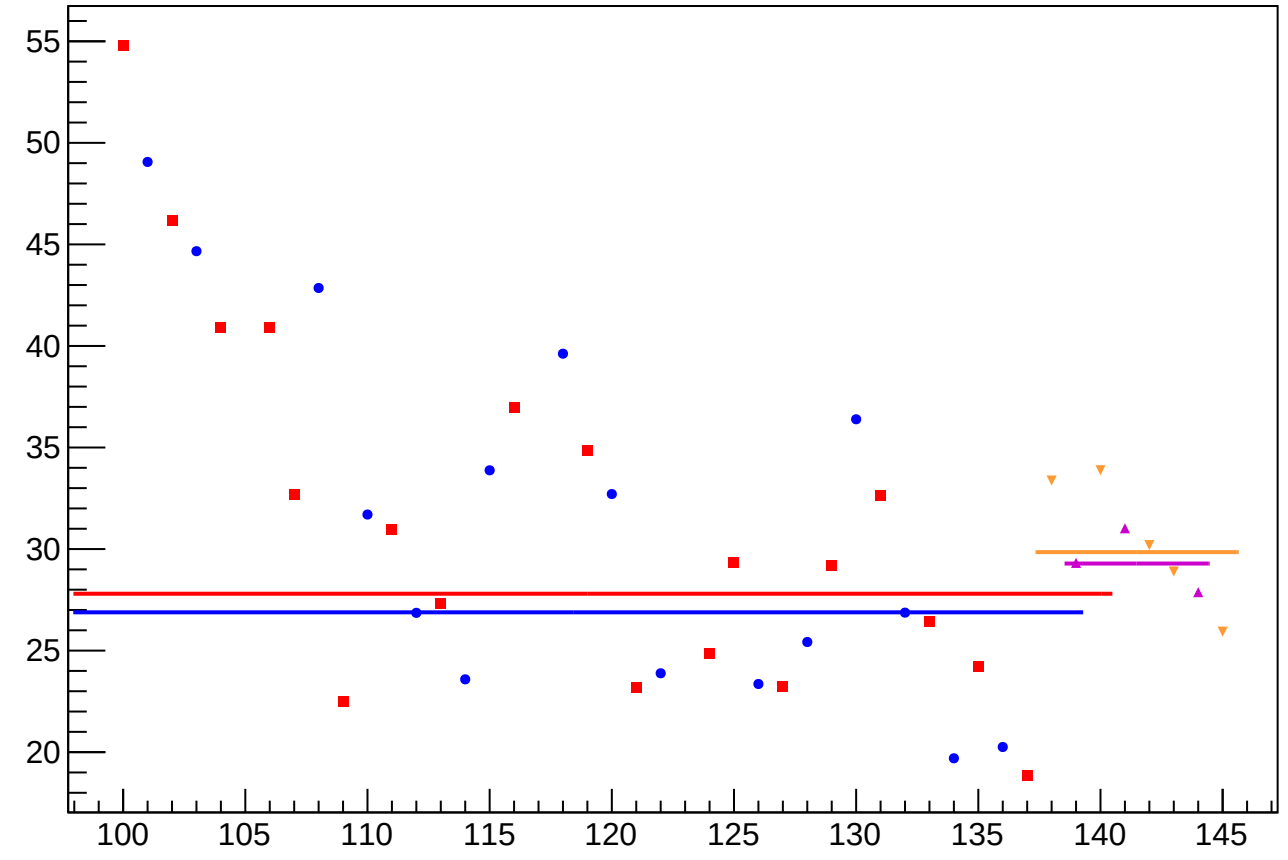
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.018 χ^2/NDF:2.1/2

\+ sign -0.007+/-0.009 χ^2/NDF: 19.4/20

All: 0.004+/-0.006 χ^2/NDF: 39.5/42

\- sign 0.017+/-0.009 χ^2/NDF: 16.5/21



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78731.8/4

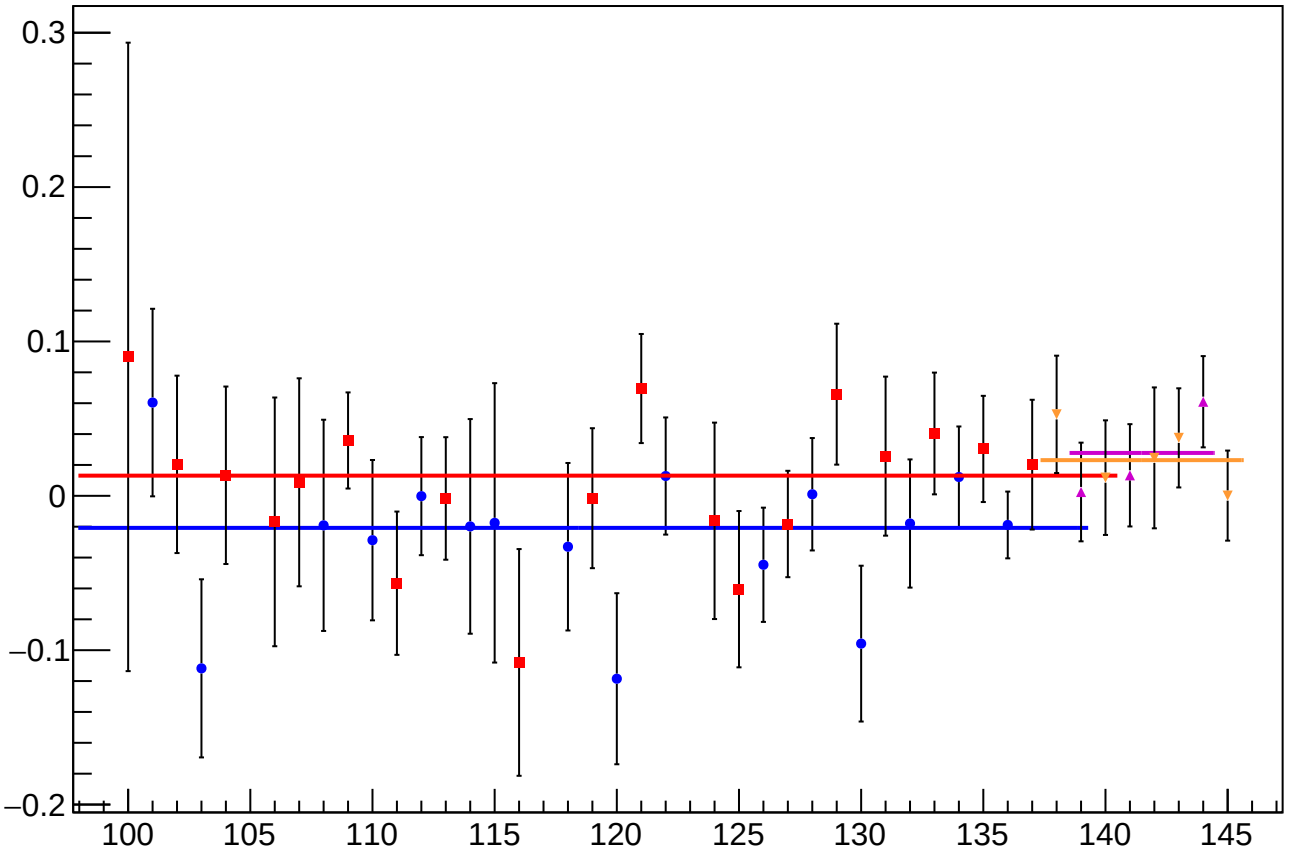
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 29.288+/-0.013 χ^2/NDF:10039.1/2

+ sign 27.800+/-0.006 χ^2/NDF: 1248407.6/20

All: 27.980+/-0.004 χ^2/NDF: 2033465.6/42

- sign 28.175+/-0.006 χ^2/NDF: 783291.2/21



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.016 χ^2/NDF:1.5/4

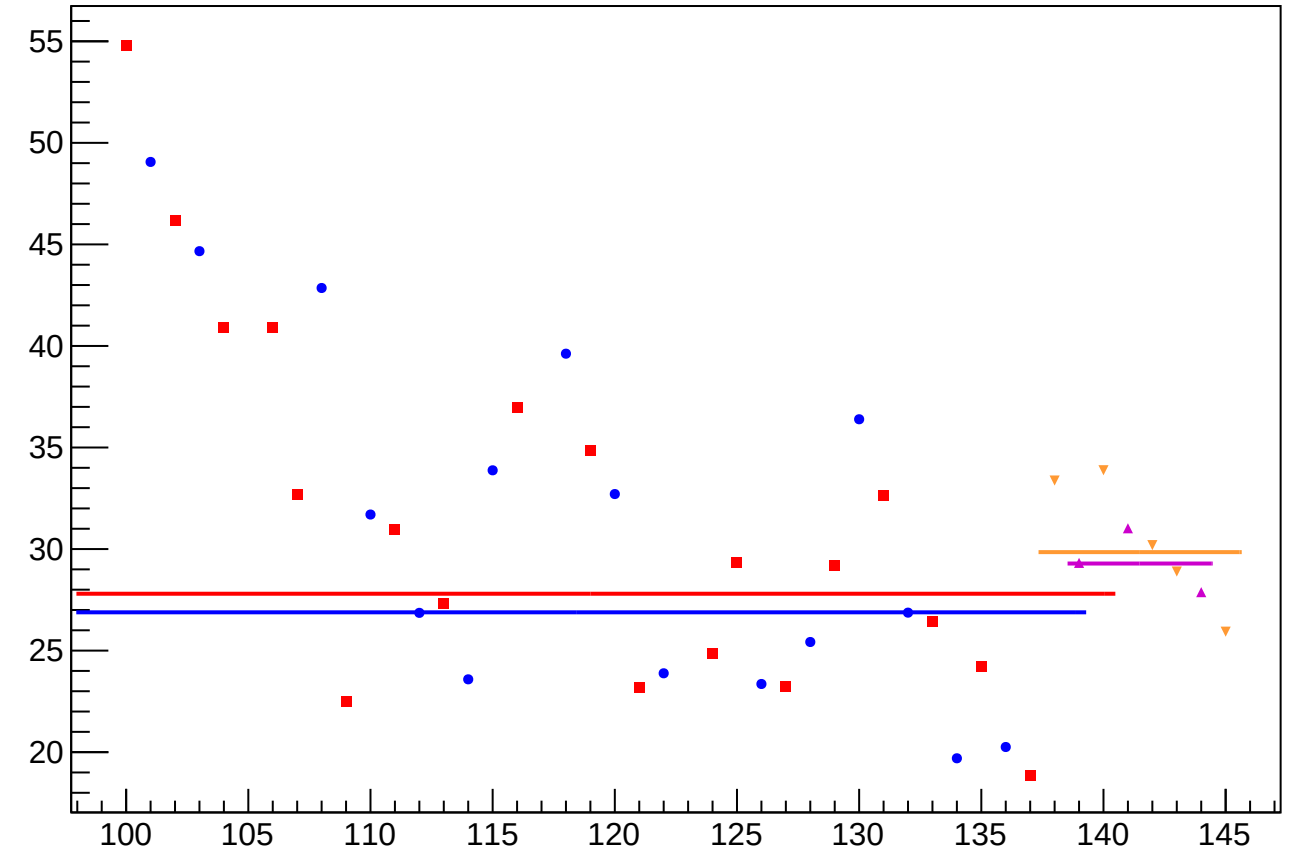
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.018 χ^2/NDF:2.1/2

\+ sign -0.007+/-0.009 χ^2/NDF: 19.4/20

All: 0.004+/-0.006 χ^2/NDF: 39.5/42

\- sign 0.017+/-0.009 χ^2/NDF: 16.5/21



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78731.8/4

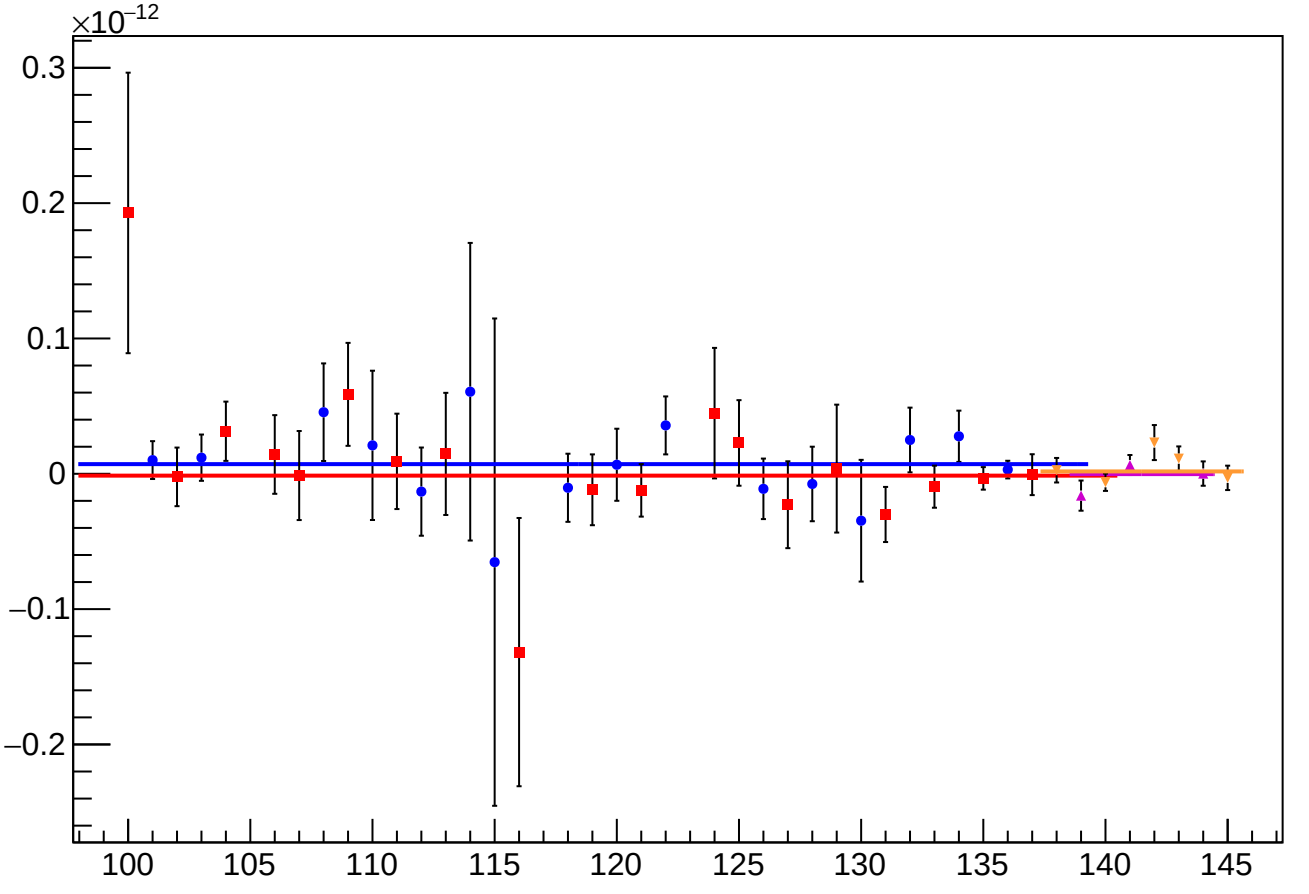
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 29.288+/-0.013 χ^2/NDF:10039.1/2

+ sign 27.800+/-0.006 χ^2/NDF: 1248407.6/20

All: 27.980+/-0.004 χ^2/NDF: 2033465.6/42

- sign 28.175+/-0.006 χ^2/NDF: 783291.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/4

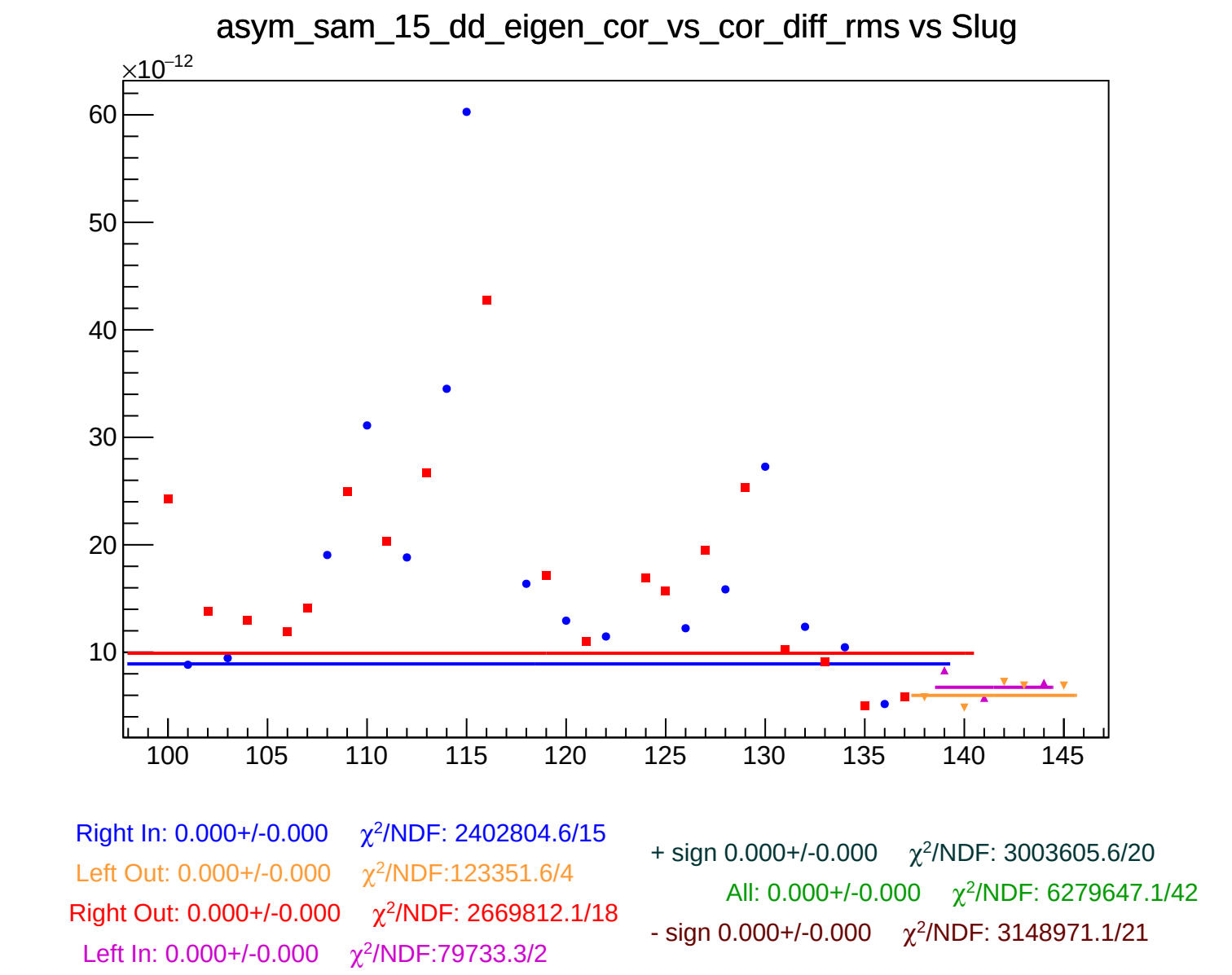
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/2

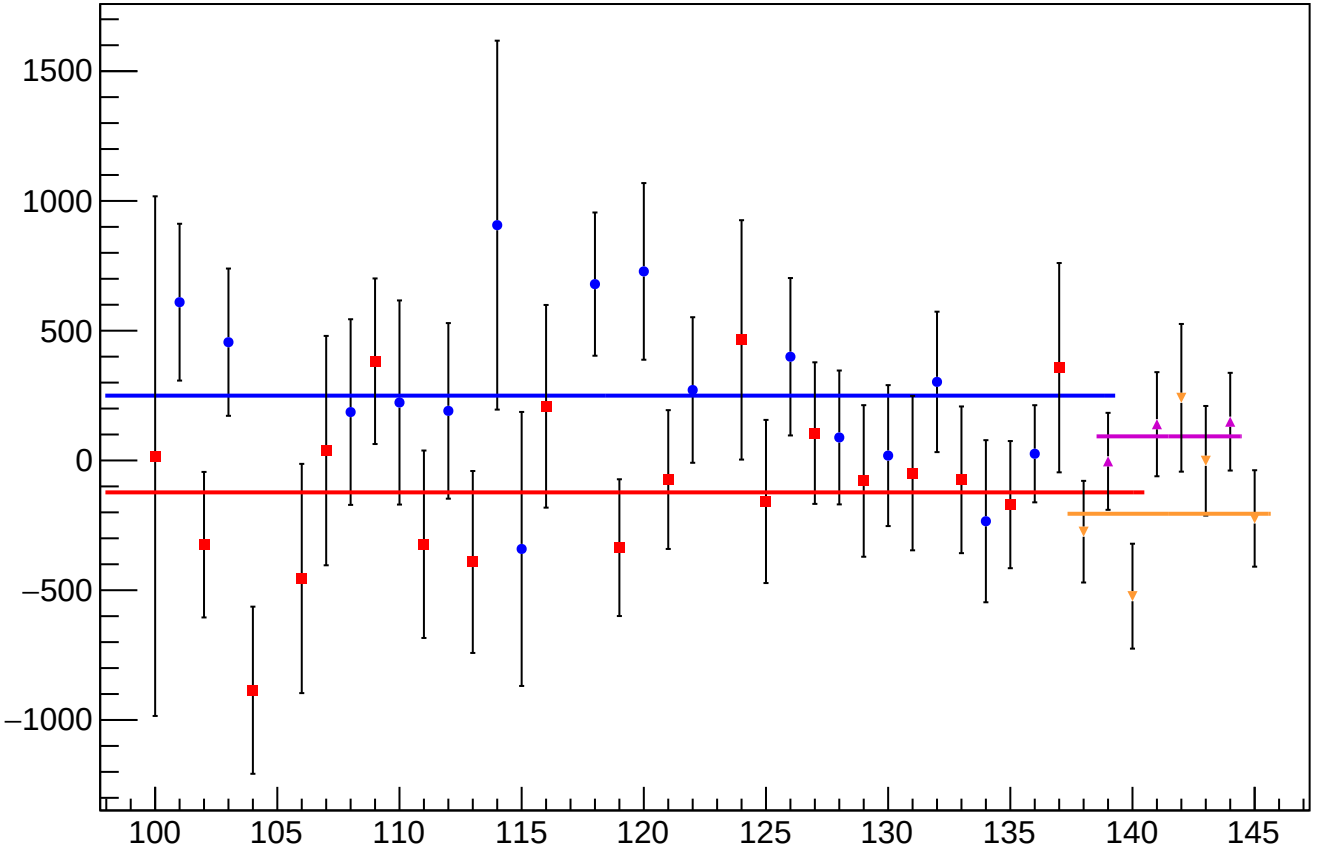
+ sign 0.000+/-0.000 χ^2/NDF: 14.8/20

All: 0.000+/-0.000 χ^2/NDF: 34.0/42

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


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
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:79733.3/2
+ sign 0.000+/-0.000 χ²/NDF: 3003605.6/20
All: 0.000+/-0.000 χ²/NDF: 6279647.1/42
- sign 0.000+/-0.000 χ²/NDF: 3148971.1/21

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

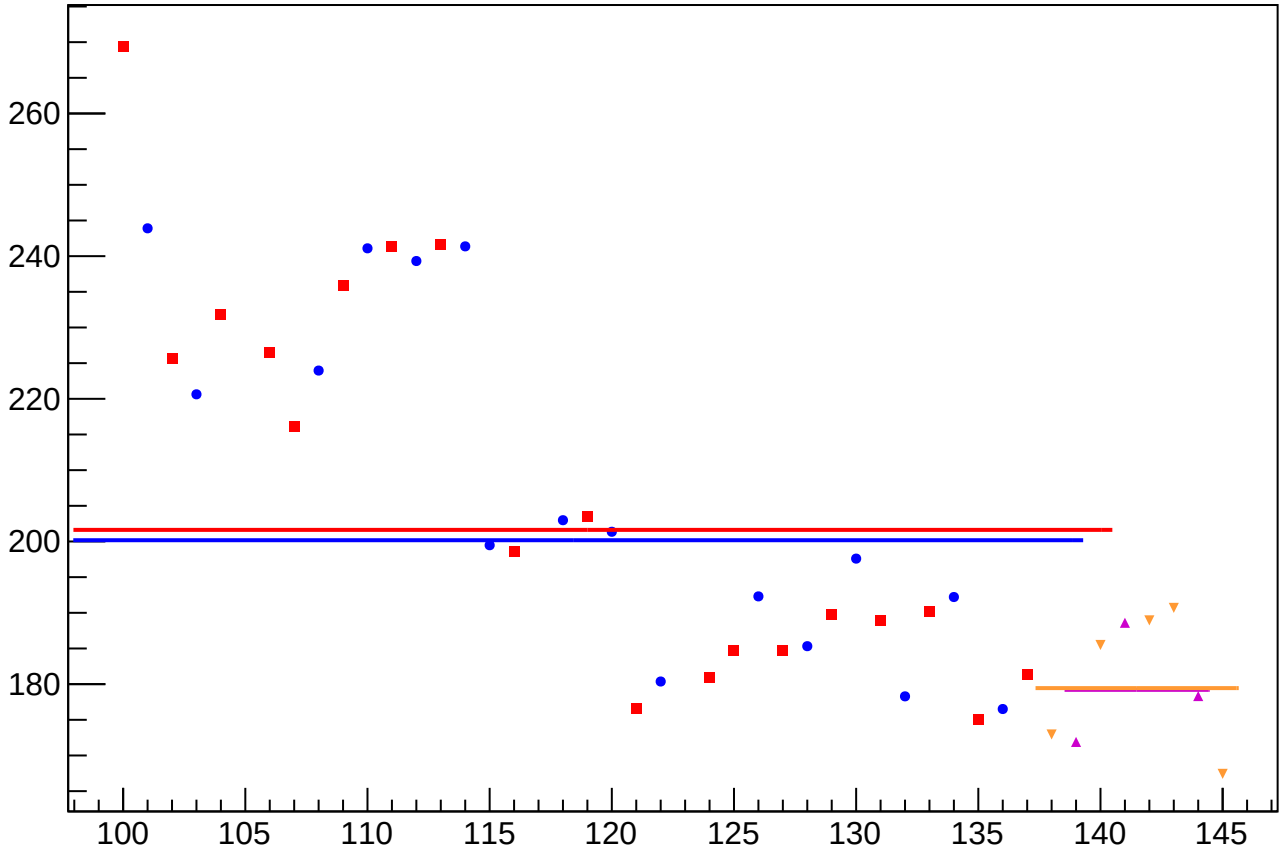
Left In: 92.863+/-110.629 χ^2/NDF:0.4/2

+ sign 72.015+/-58.456 χ^2/NDF: 34.2/20

All: 11.573+/-42.442 χ^2/NDF: 55.0/42

- sign -55.807+/-61.720 χ^2/NDF: 18.6/21

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

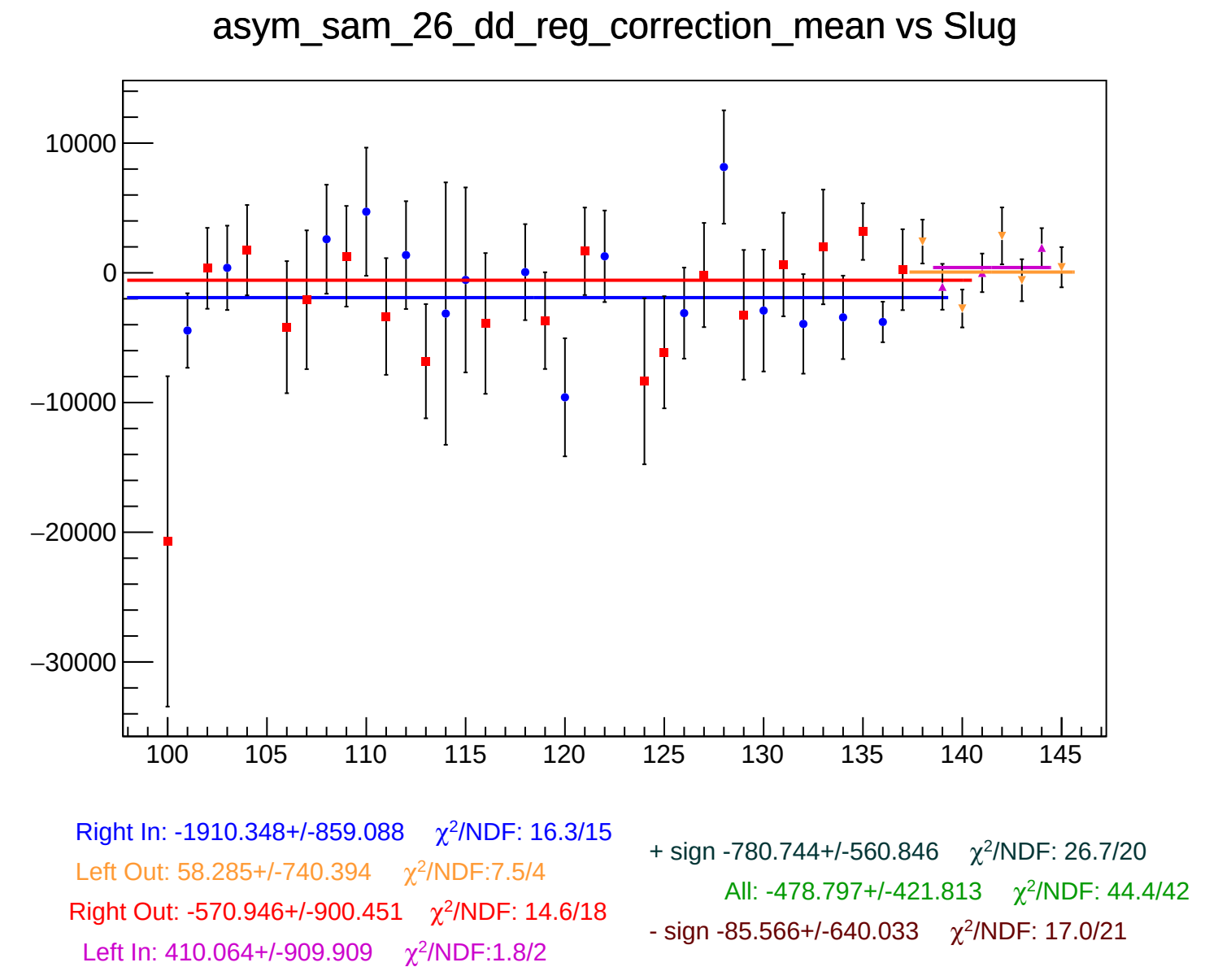
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 179.202+/-0.078 χ^2/NDF:7490.3/2

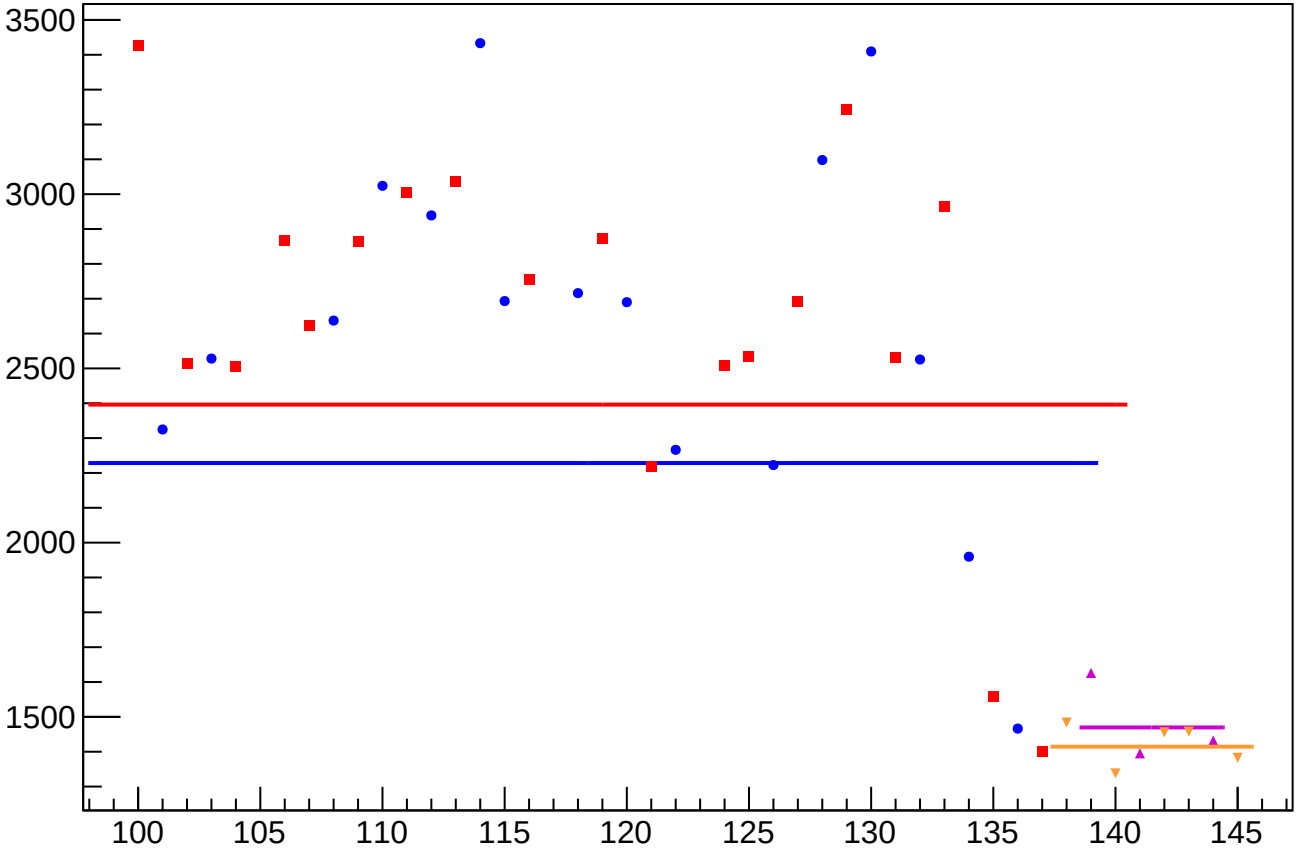
+ sign 192.080+/-0.041 χ^2/NDF: 261148.5/20

All: 193.294+/-0.030 χ^2/NDF: 524308.3/42

- sign 194.647+/-0.044 χ^2/NDF: 261336.2/21


asym_sam_26_dd_reg_correction_mean vs Slug
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: 58.285+/-740.394 χ²/NDF:7.5/4
Right Out: -570.946+/-900.451 χ²/NDF: 14.6/18
Left In: 410.064+/-909.909 χ²/NDF:1.8/2
+ sign -780.744+/-560.846 χ²/NDF: 26.7/20
All: -478.797+/-421.813 χ²/NDF: 44.4/42
- sign -85.566+/-640.033 χ²/NDF: 17.0/21

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

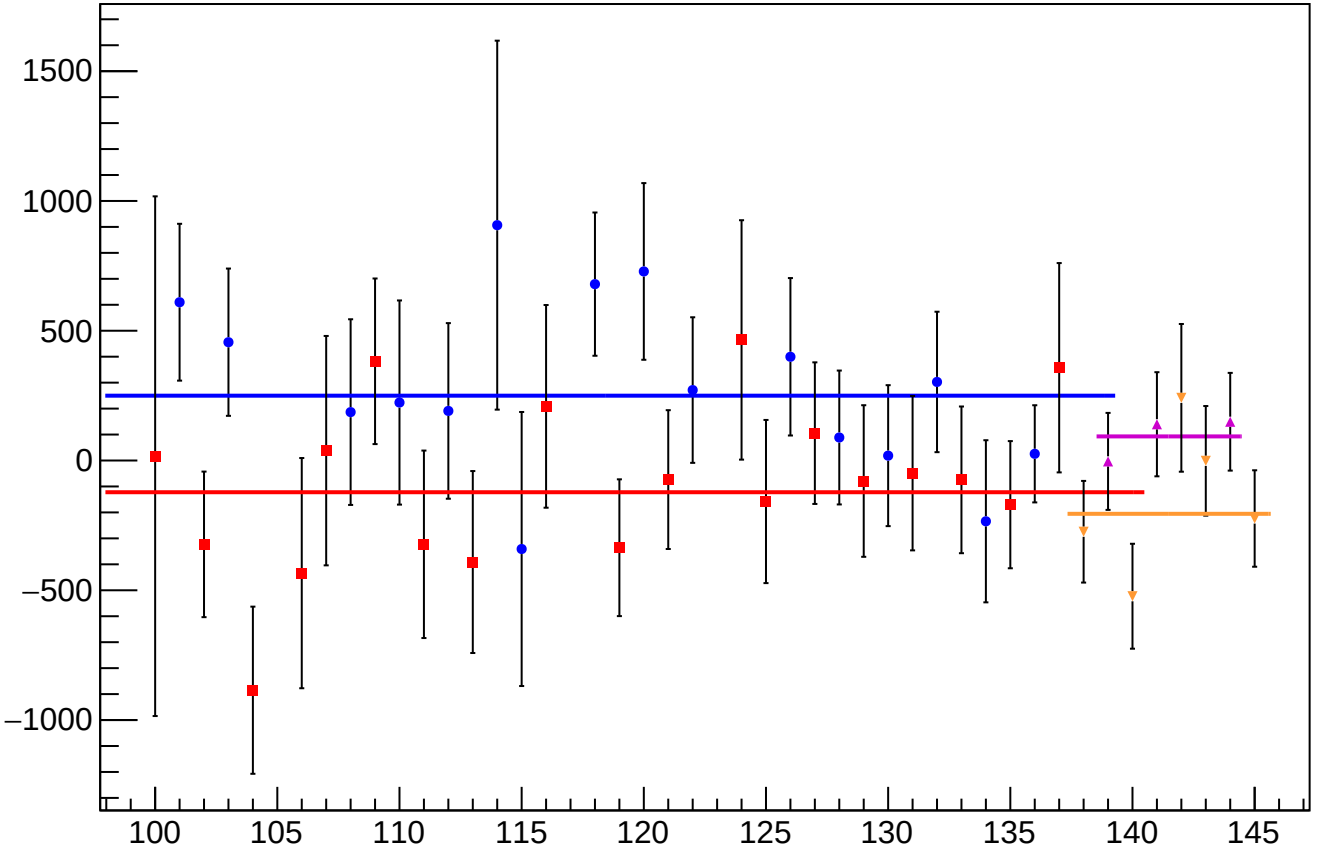
Left In: 1469.687+/-0.643 χ^2/NDF:21878.3/2

+ sign 1761.366+/-0.397 χ^2/NDF: 1989760.5/20

All: 1837.966+/-0.298 χ^2/NDF: 3944364.2/42

- sign 1937.723+/-0.453 χ^2/NDF: 1868709.4/21

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

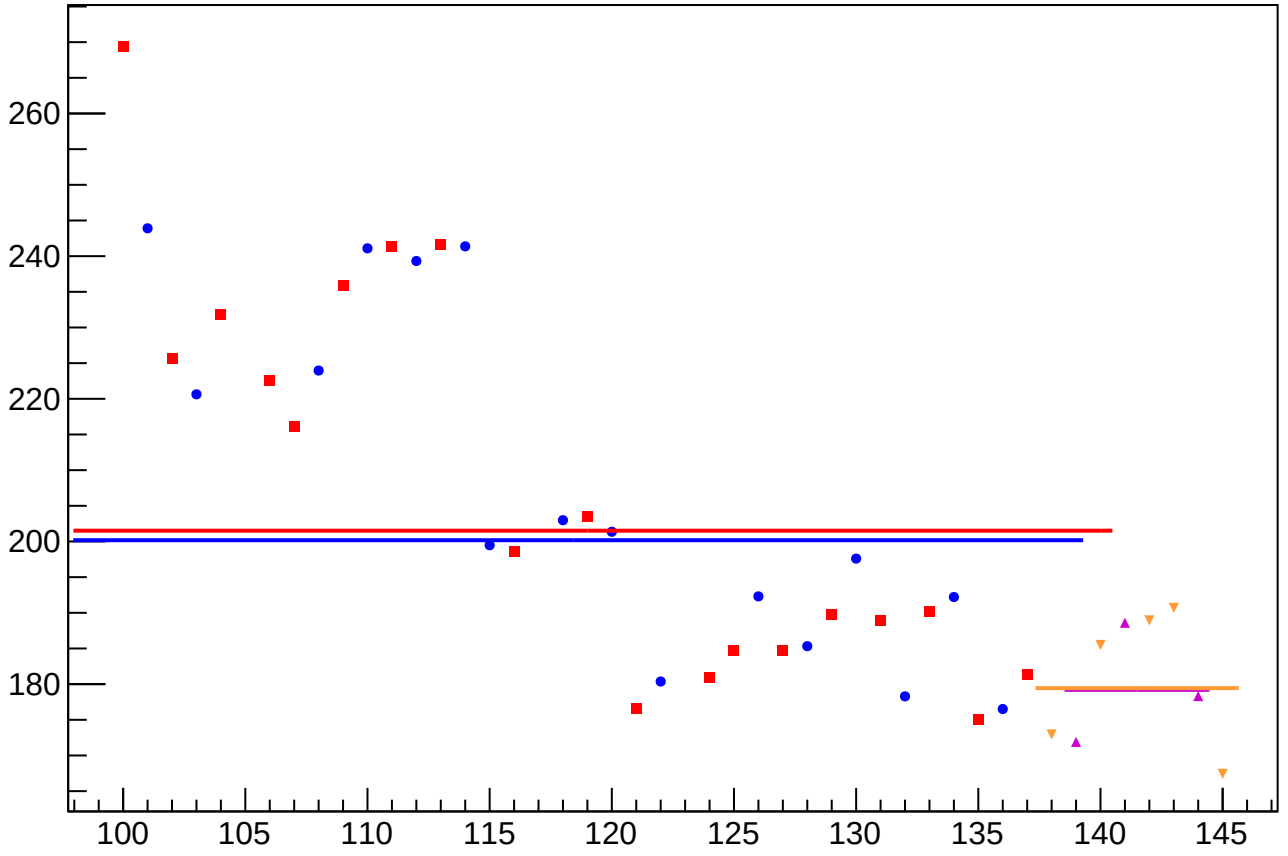
Left In: 92.848+/-110.629 χ^2/NDF:0.4/2

+ sign 72.016+/-58.456 χ^2/NDF: 34.2/20

All: 11.838+/-42.444 χ^2/NDF: 54.9/42

- sign -55.260+/-61.726 χ^2/NDF: 18.5/21

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

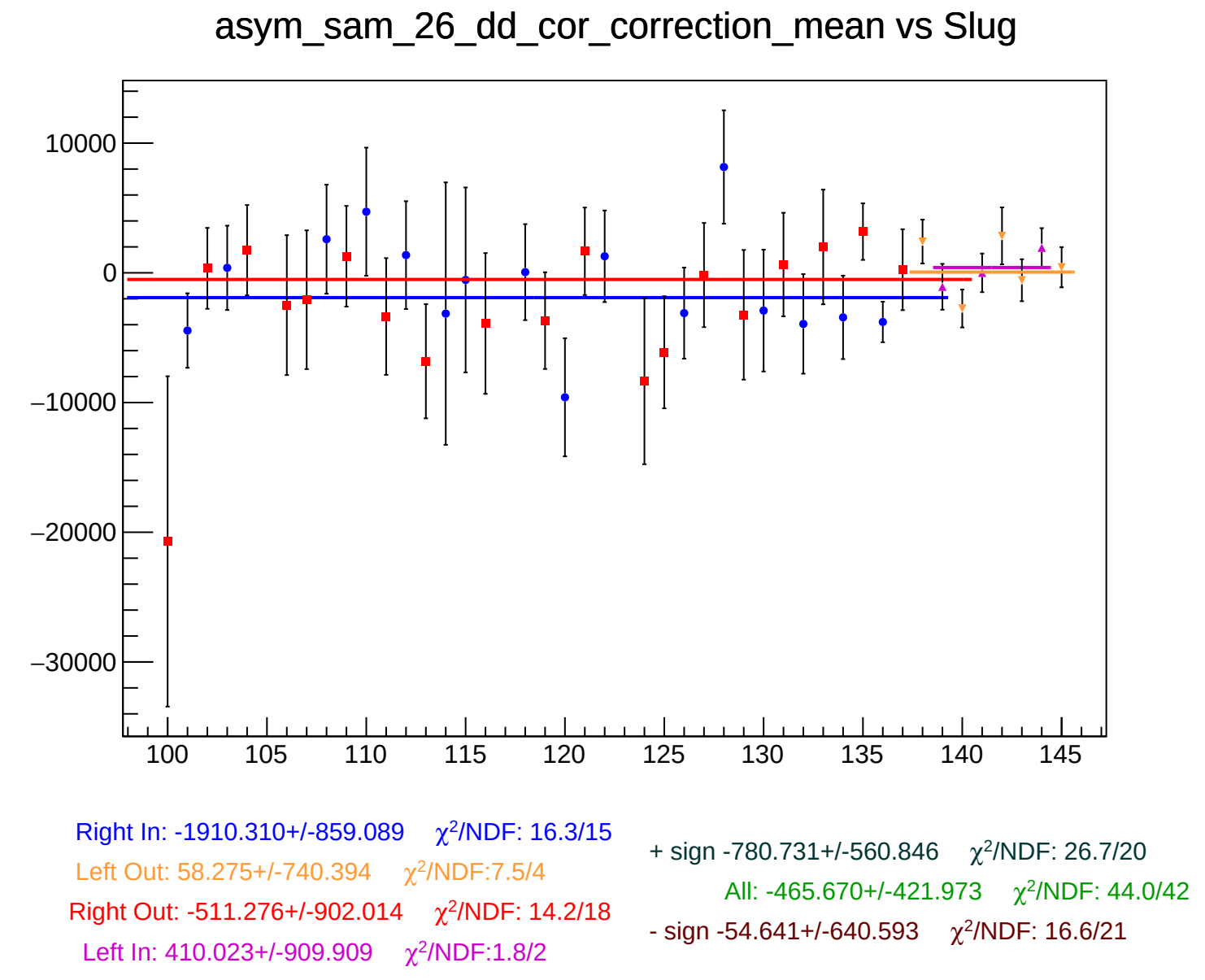
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.202+/-0.078 χ^2/NDF:7490.3/2

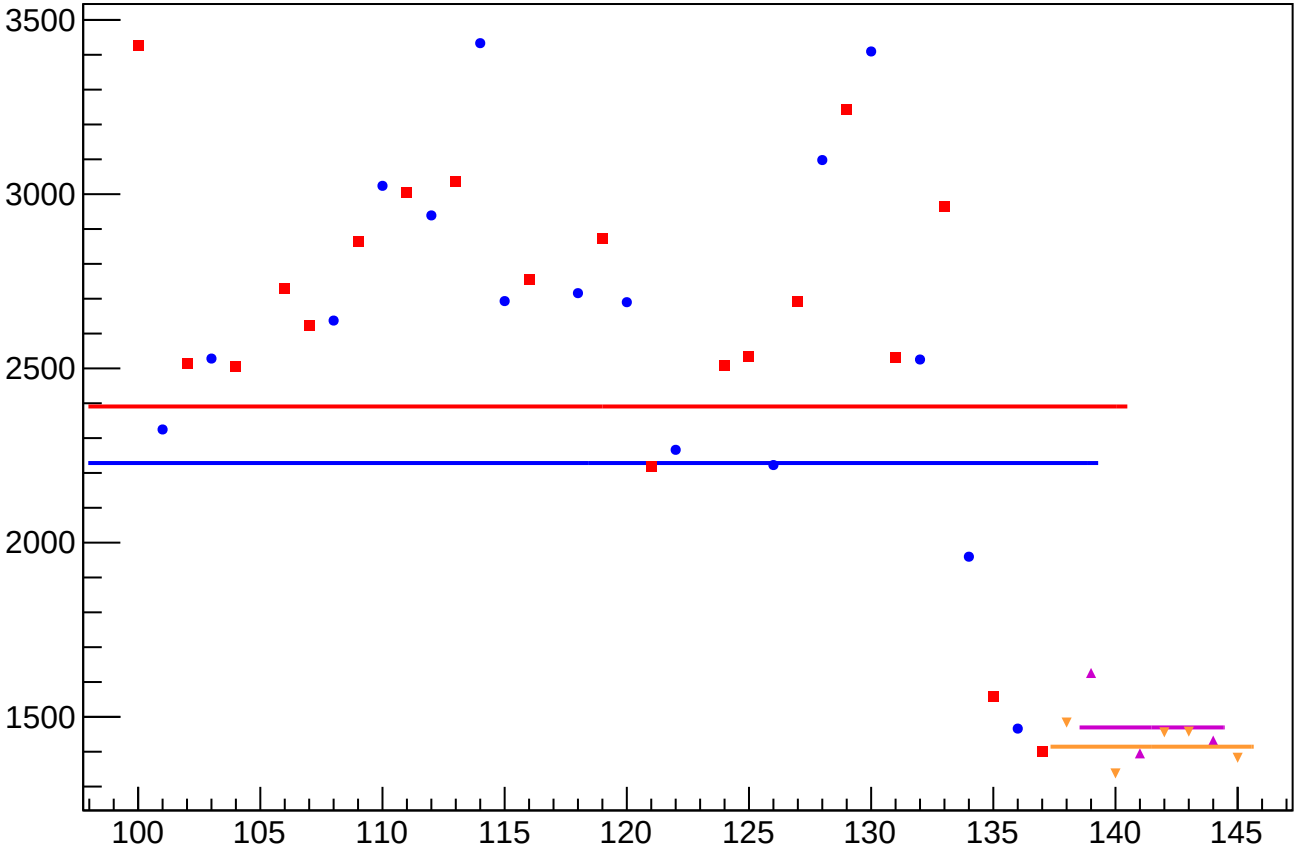
+ sign 192.080+/-0.041 χ^2/NDF: 261148.9/20

All: 193.257+/-0.030 χ^2/NDF: 521810.8/42

- sign 194.568+/-0.044 χ^2/NDF: 258949.0/21


asym_sam_26_dd_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: 58.275+/-740.394 χ²/NDF:7.5/4
Right Out: -511.276+/-902.014 χ²/NDF: 14.2/18
Left In: 410.023+/-909.909 χ²/NDF:1.8/2
+ sign -780.731+/-560.846 χ²/NDF: 26.7/20
All: -465.670+/-421.973 χ²/NDF: 44.0/42
- sign -54.641+/-640.593 χ²/NDF: 16.6/21

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

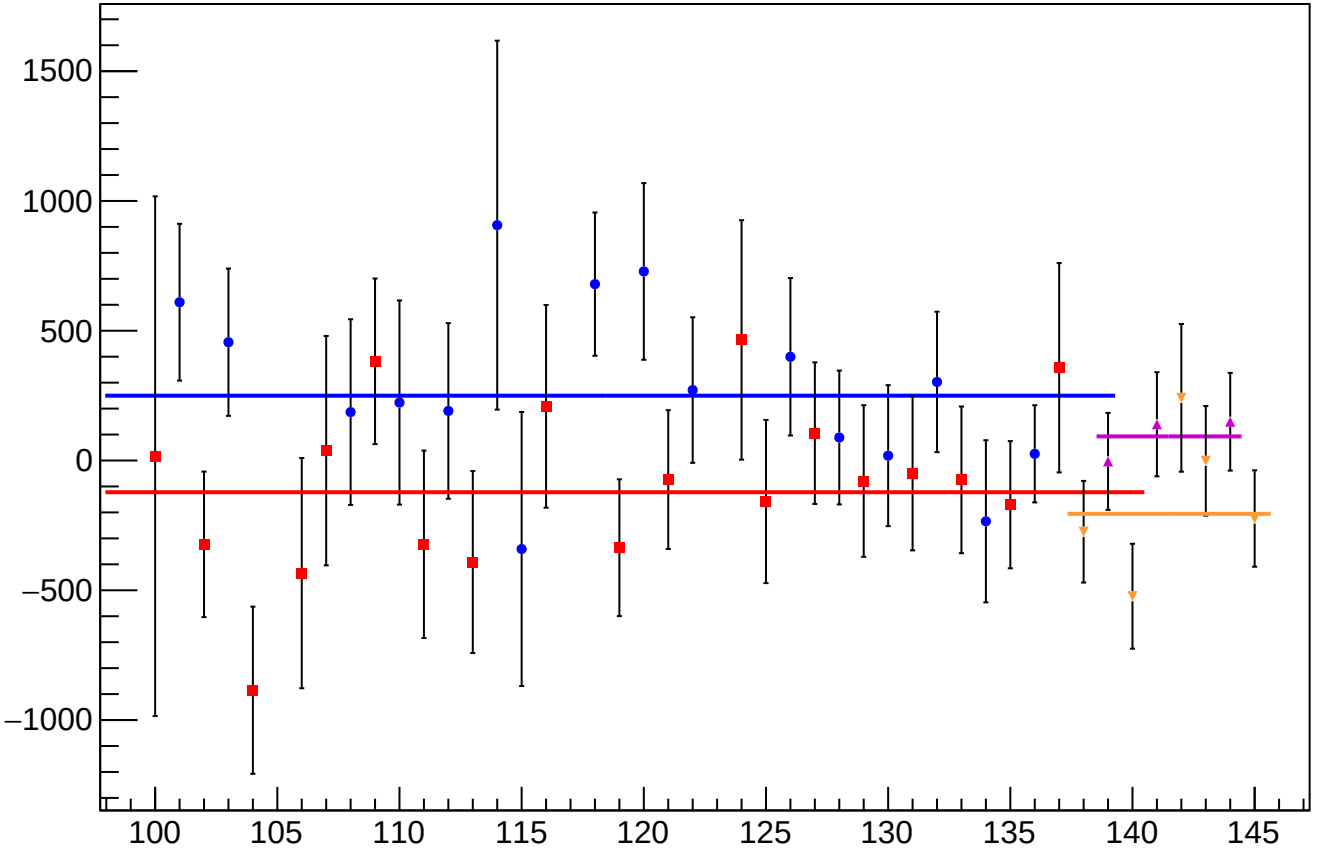
Left In: 1469.687+/-0.643 χ^2/NDF:21878.4/2

+ sign 1761.367+/-0.397 χ^2/NDF: 1989773.0/20

All: 1836.371+/-0.298 χ^2/NDF: 3917643.5/42

- sign 1934.222+/-0.453 χ^2/NDF: 1845435.0/21

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

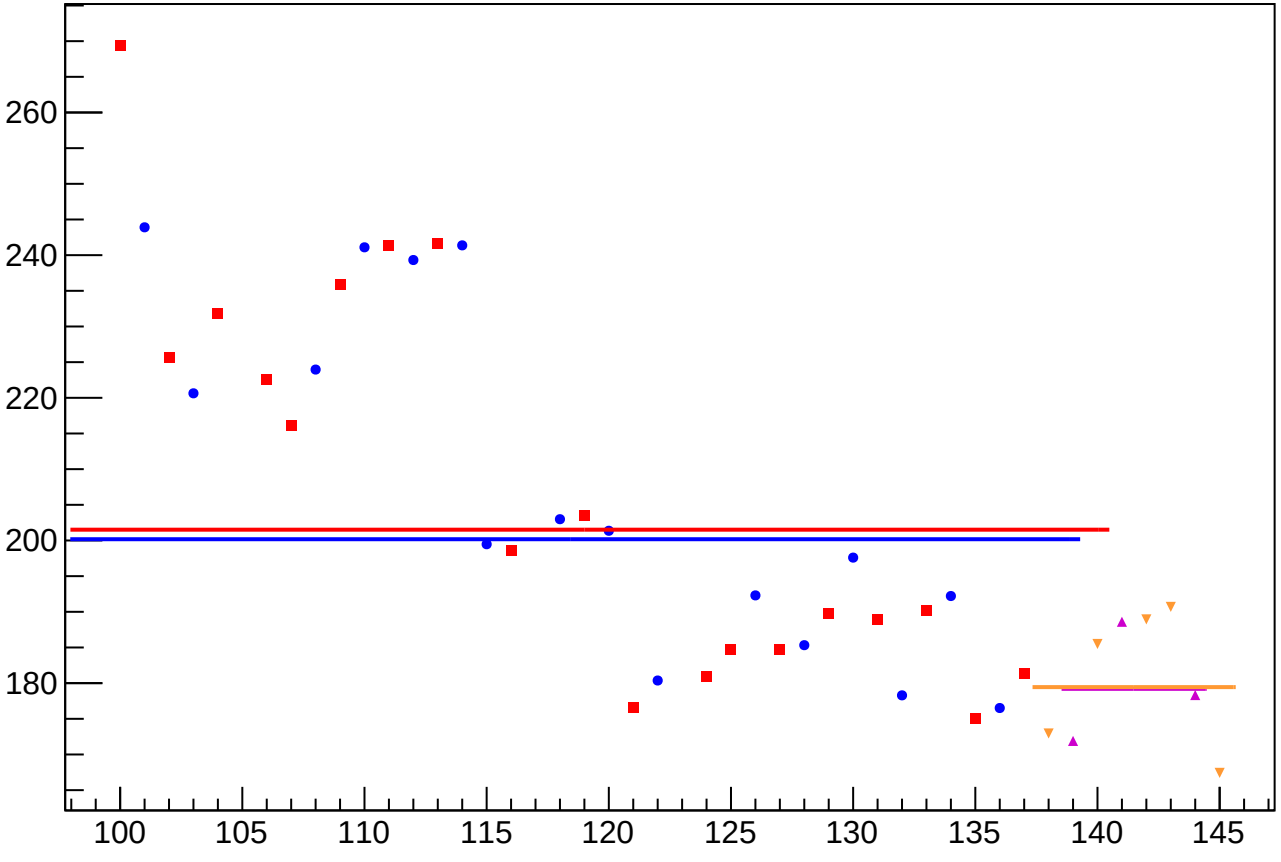
Left In: 92.848+/-110.629 χ^2/NDF:0.4/2

+ sign 72.016+/-58.456 χ^2/NDF: 34.2/20

All: 11.838+/-42.444 χ^2/NDF: 54.9/42

- sign -55.260+/-61.726 χ^2/NDF: 18.5/21

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

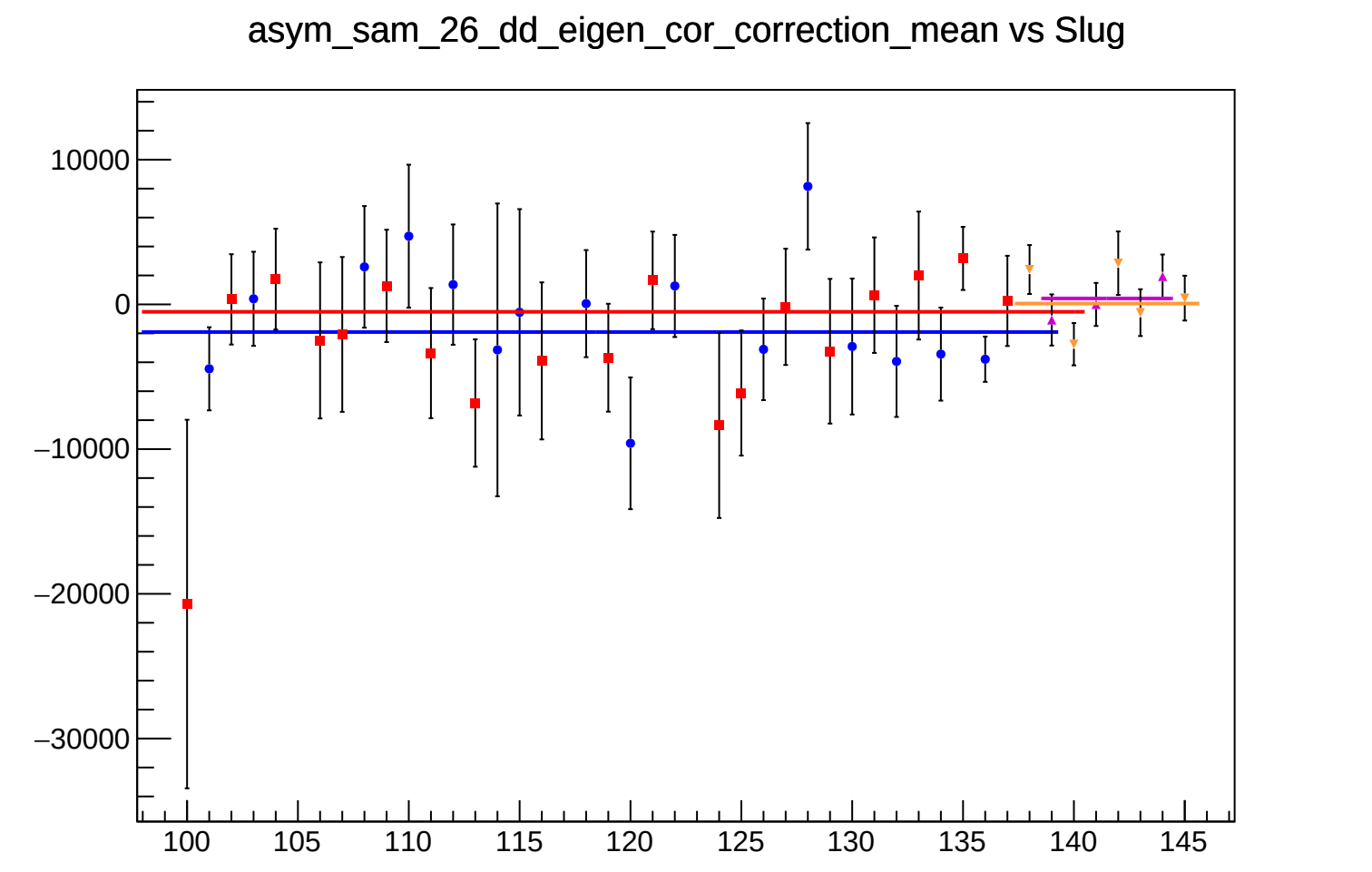
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.202+/-0.078 χ^2/NDF:7490.3/2

+ sign 192.080+/-0.041 χ^2/NDF: 261148.9/20

All: 193.257+/-0.030 χ^2/NDF: 521810.8/42

- sign 194.568+/-0.044 χ^2/NDF: 258949.0/21



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: 58.275+/-740.394 χ^2/NDF:7.5/4

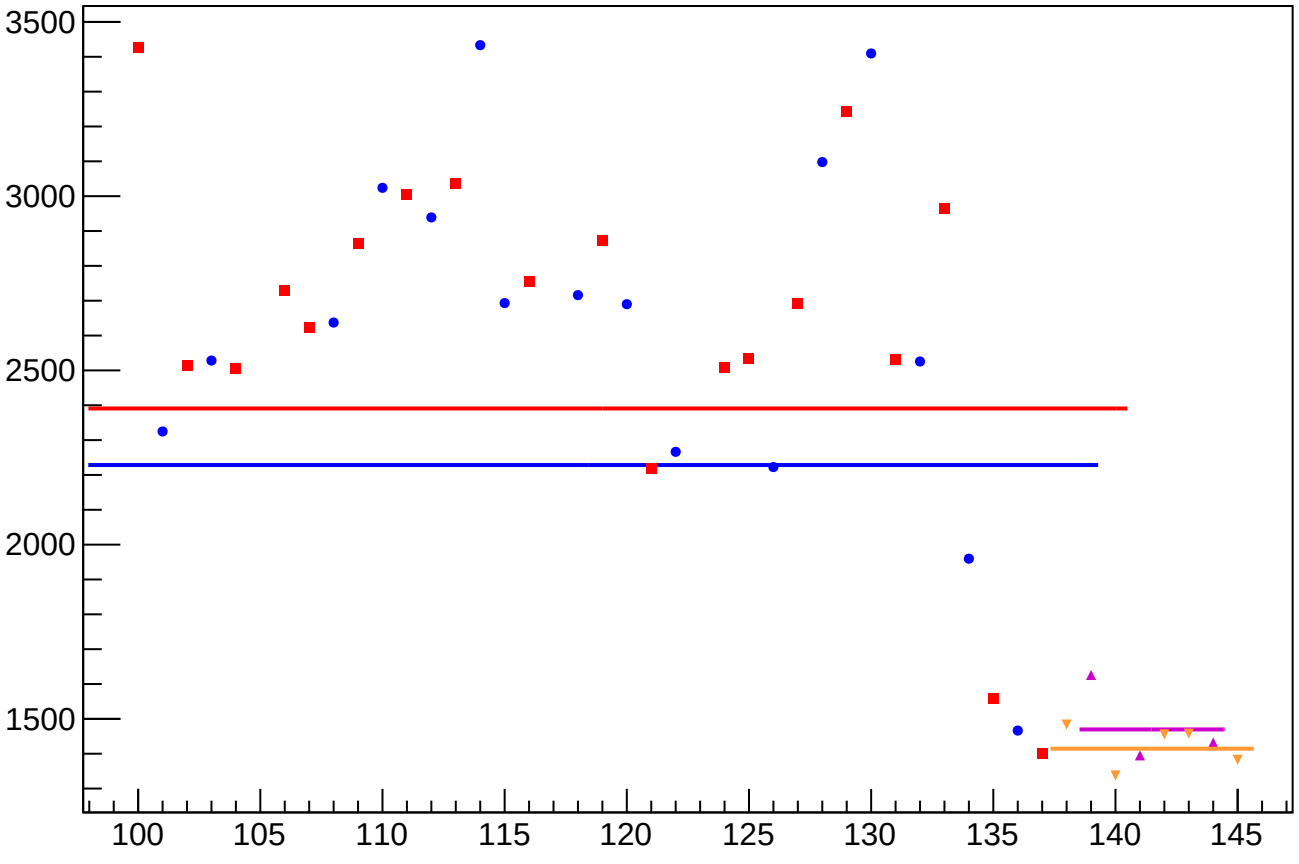
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 410.023+/-909.909 χ^2/NDF:1.8/2

+ sign -780.731+/-560.846 χ^2/NDF: 26.7/20

All: -465.670+/-421.973 χ^2/NDF: 44.0/42

- sign -54.641+/-640.593 χ^2/NDF: 16.6/21



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

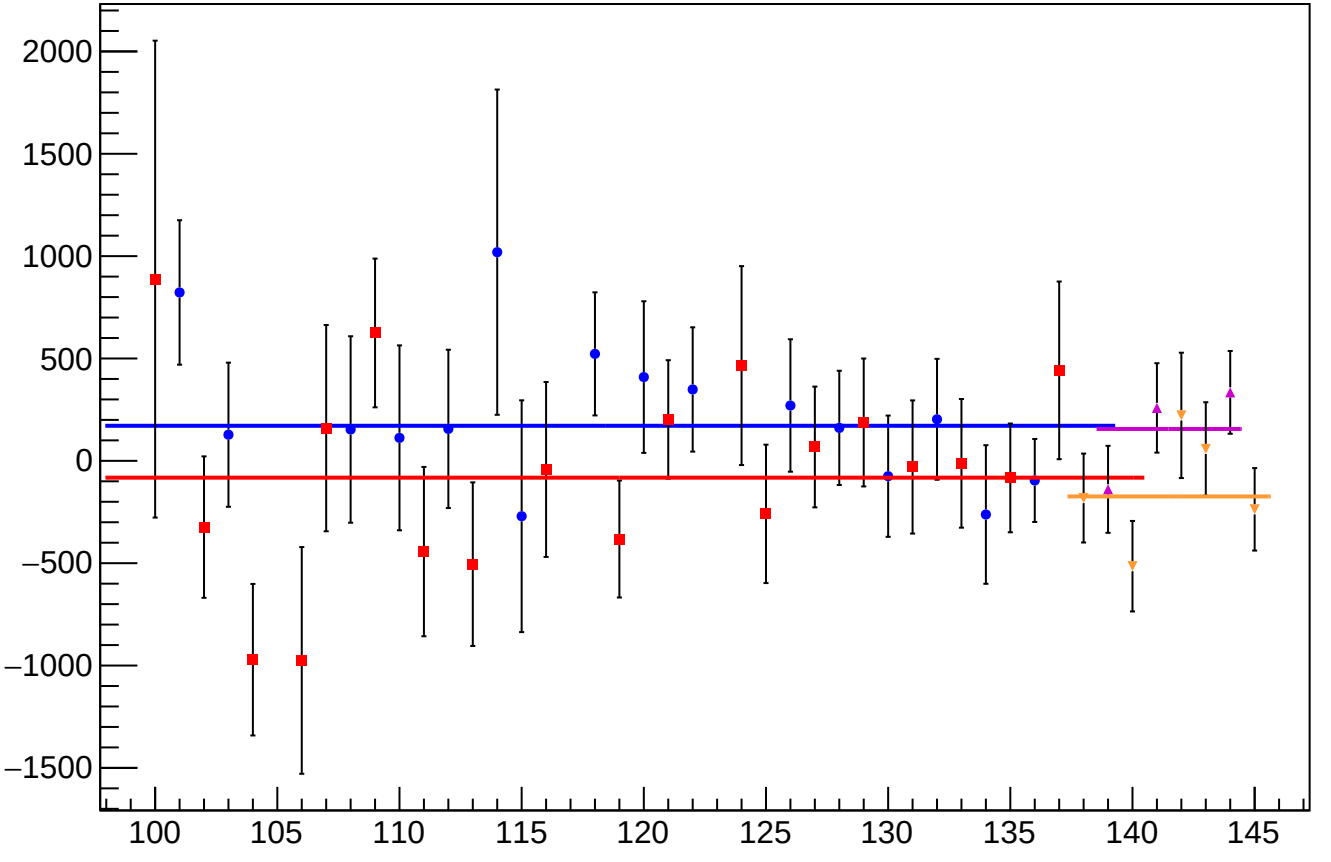
Left In: 1469.687+/-0.643 χ^2/NDF:21878.4/2

+ sign 1761.367+/-0.397 χ^2/NDF: 1989773.0/20

All: 1836.371+/-0.298 χ^2/NDF: 3917643.5/42

- sign 1934.222+/-0.453 χ^2/NDF: 1845435.0/21

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

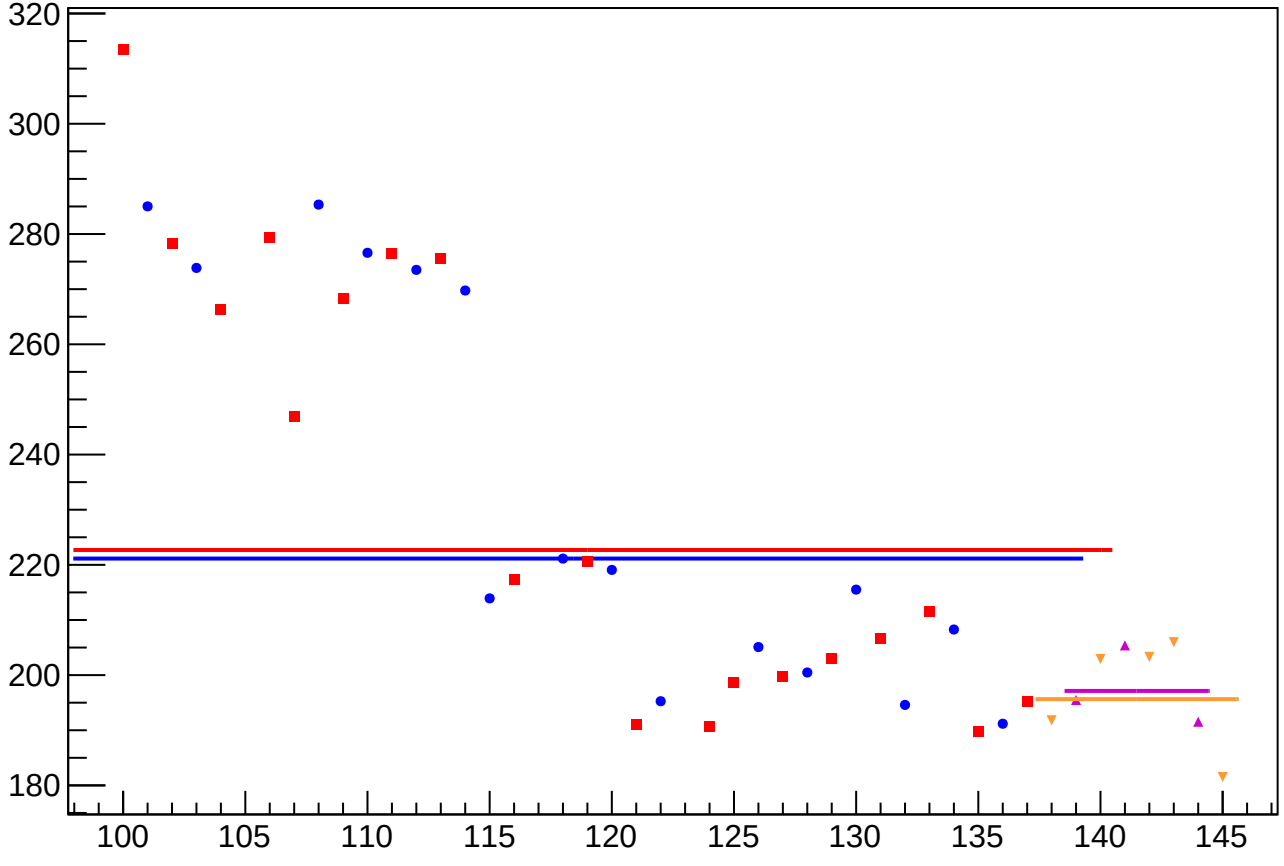
Left In: 155.660+/-121.656 χ^2/NDF:2.9/2

+ sign 33.467+/-64.425 χ^2/NDF: 23.6/20

All: 14.330+/-46.868 χ^2/NDF: 50.9/42

- sign -7.183+/-68.306 χ^2/NDF: 27.2/21

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

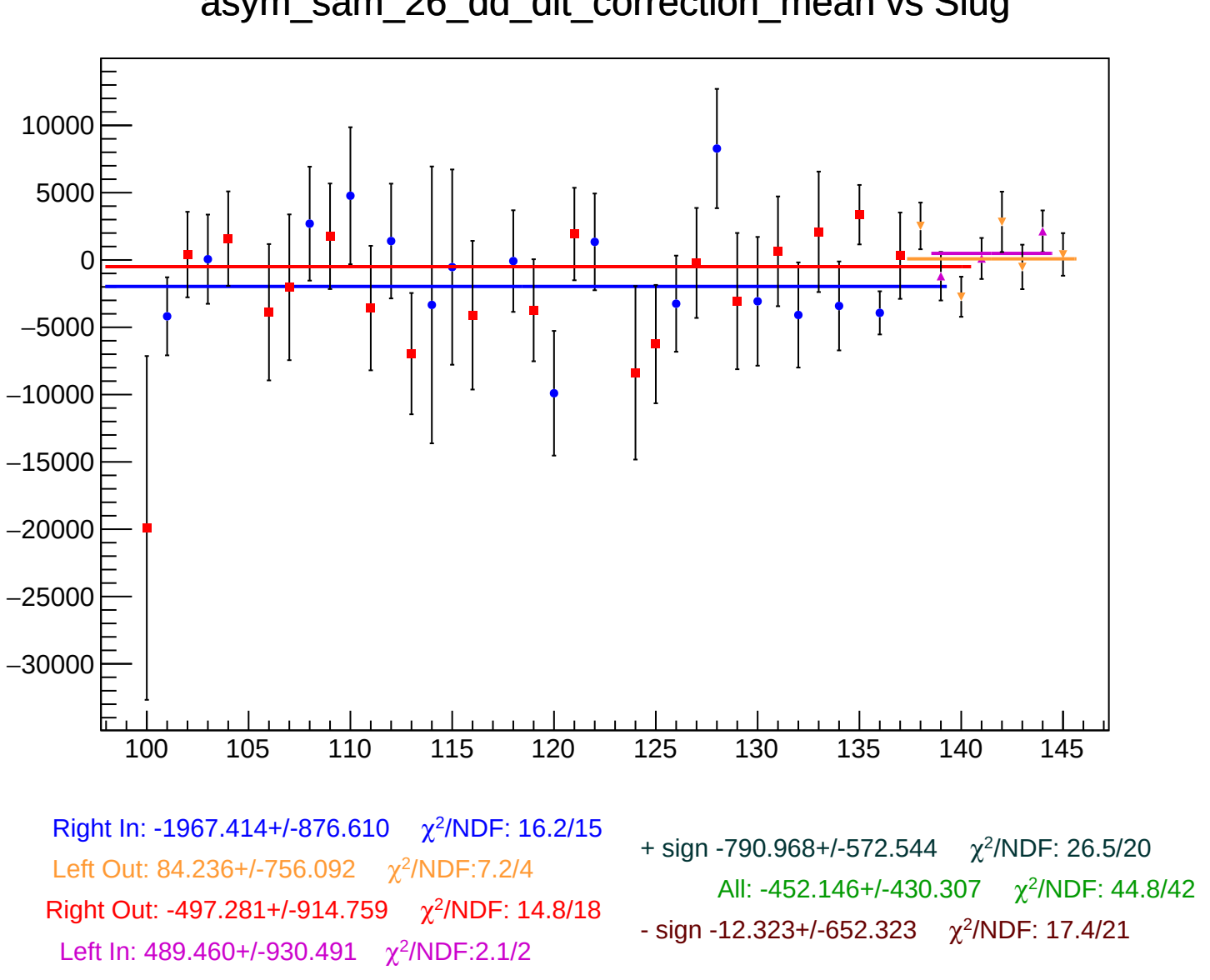
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 197.134+/-0.086 χ^2/NDF:4504.3/2

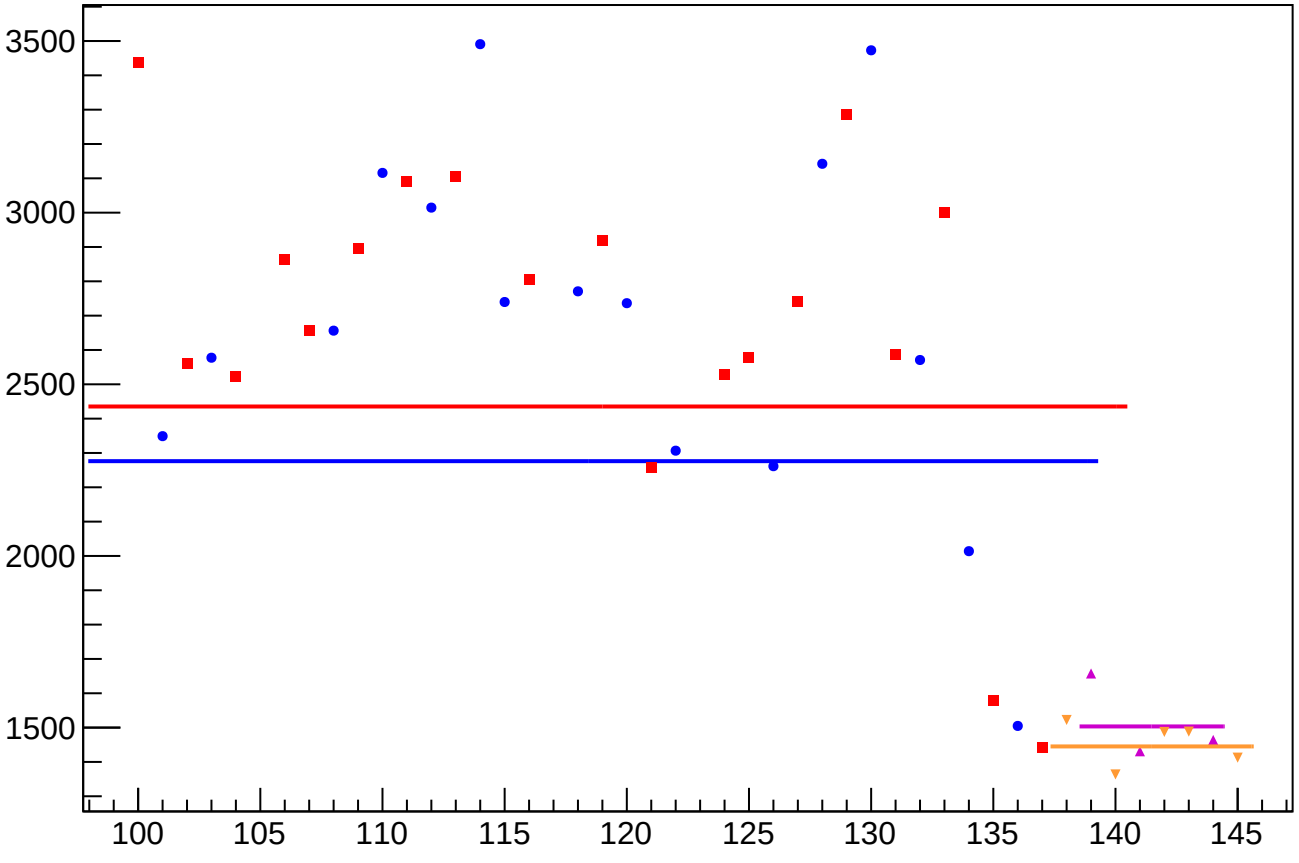
+ sign 210.962+/-0.046 χ^2/NDF: 411795.5/20

All: 212.693+/-0.033 χ^2/NDF: 806865.0/42

- sign 214.639+/-0.048 χ^2/NDF: 392003.4/21


asym_sam_26_dd_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: 84.236+/-756.092 χ²/NDF:7.2/4
Right Out: -497.281+/-914.759 χ²/NDF: 14.8/18
Left In: 489.460+/-930.491 χ²/NDF:2.1/2
+ sign -790.968+/-572.544 χ²/NDF: 26.5/20
All: -452.146+/-430.307 χ²/NDF: 44.8/42
- sign -12.323+/-652.323 χ²/NDF: 17.4/21

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

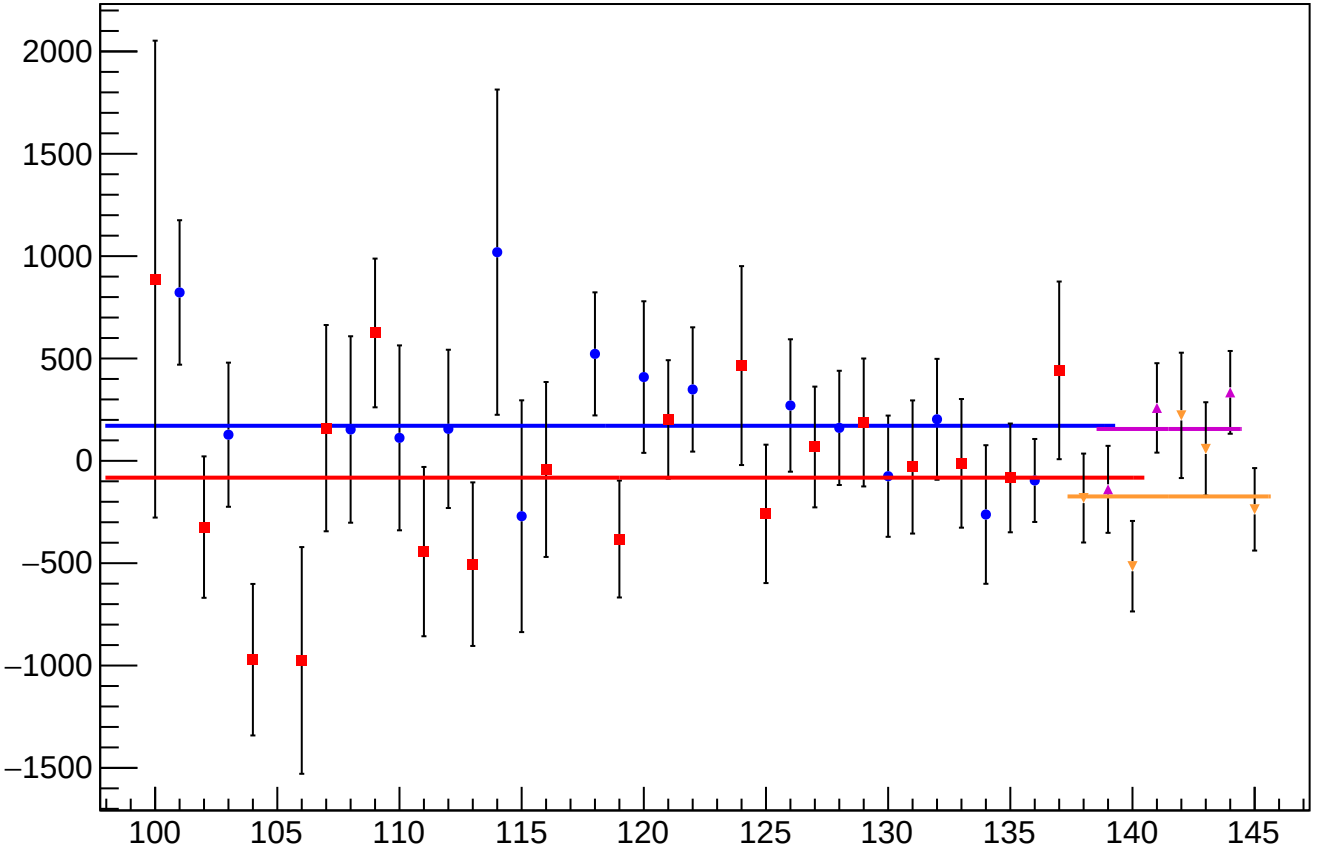
Left In: 1503.393+/-0.658 χ^2/NDF:20445.9/2

+ sign 1799.627+/-0.405 χ^2/NDF: 1970465.3/20

All: 1876.949+/-0.304 χ^2/NDF: 3886518.5/42

- sign 1977.319+/-0.461 χ^2/NDF: 1832227.5/21

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

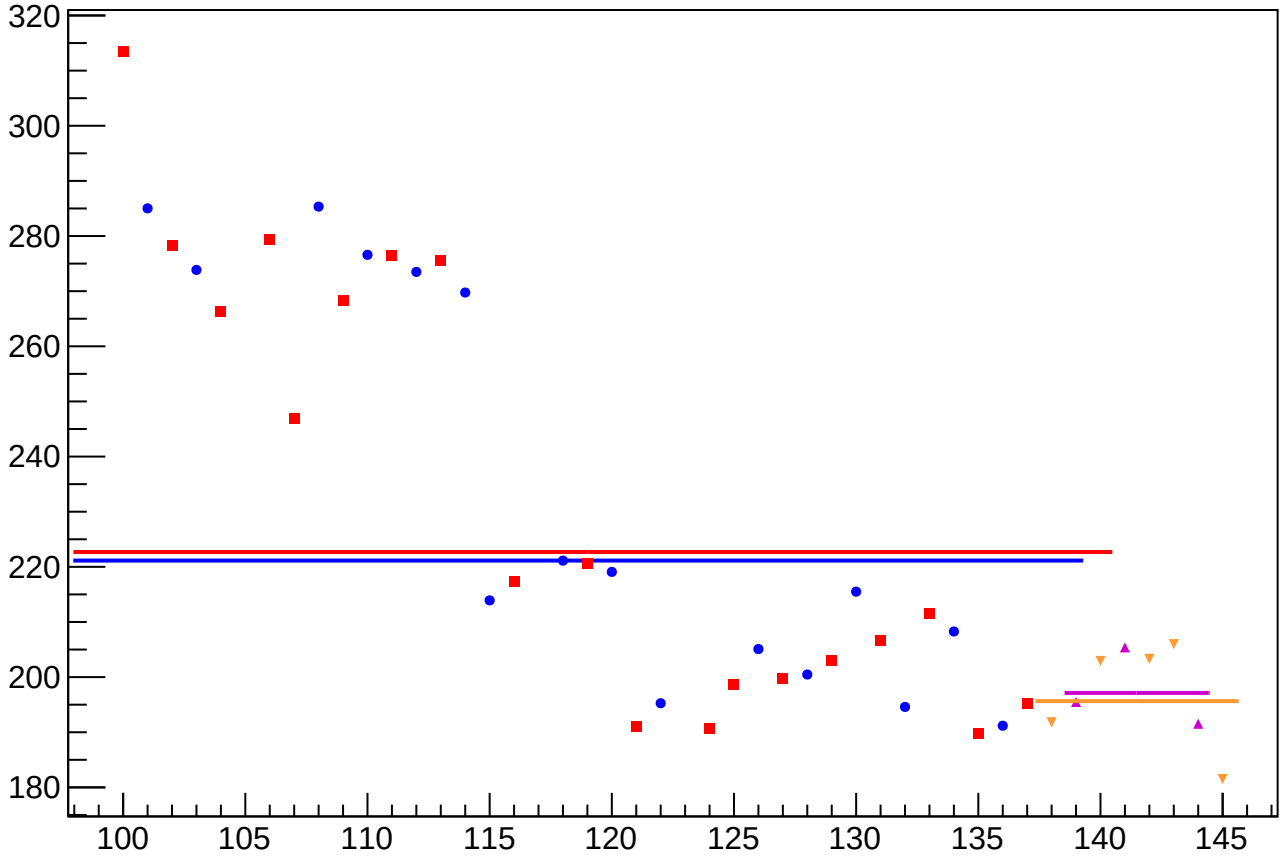
Left In: 155.660+/-121.656 χ^2/NDF:2.9/2

+ sign 33.466+/-64.425 χ^2/NDF: 23.6/20

All: 14.330+/-46.867 χ^2/NDF: 50.9/42

- sign -7.182+/-68.306 χ^2/NDF: 27.2/21

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

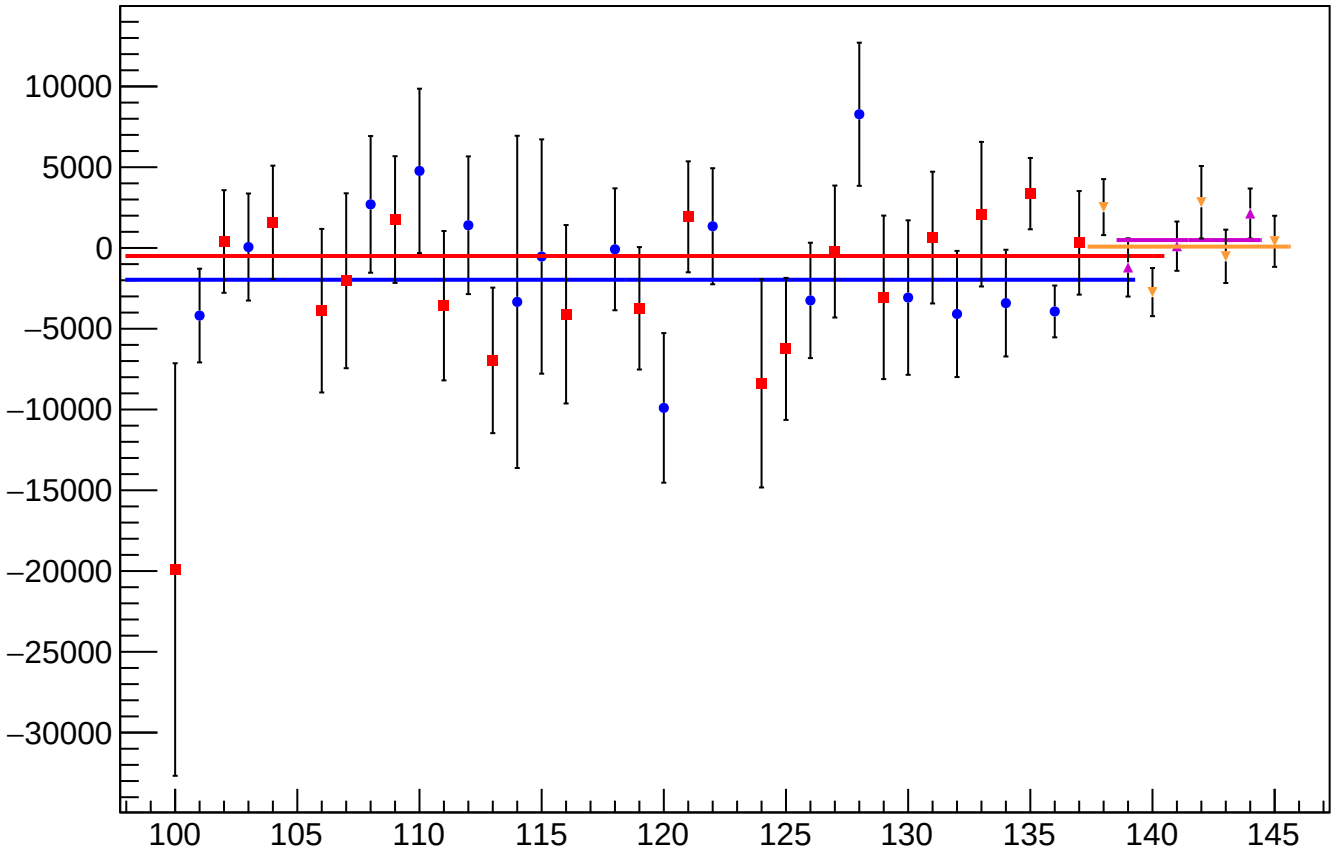
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 197.134+/-0.086 χ^2/NDF:4504.4/2

+ sign 210.962+/-0.046 χ^2/NDF: 411787.1/20

All: 212.692+/-0.033 χ^2/NDF: 806847.2/42

- sign 214.638+/-0.048 χ^2/NDF: 391993.9/21



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: 84.231+/-756.091 χ^2/NDF:7.2/4

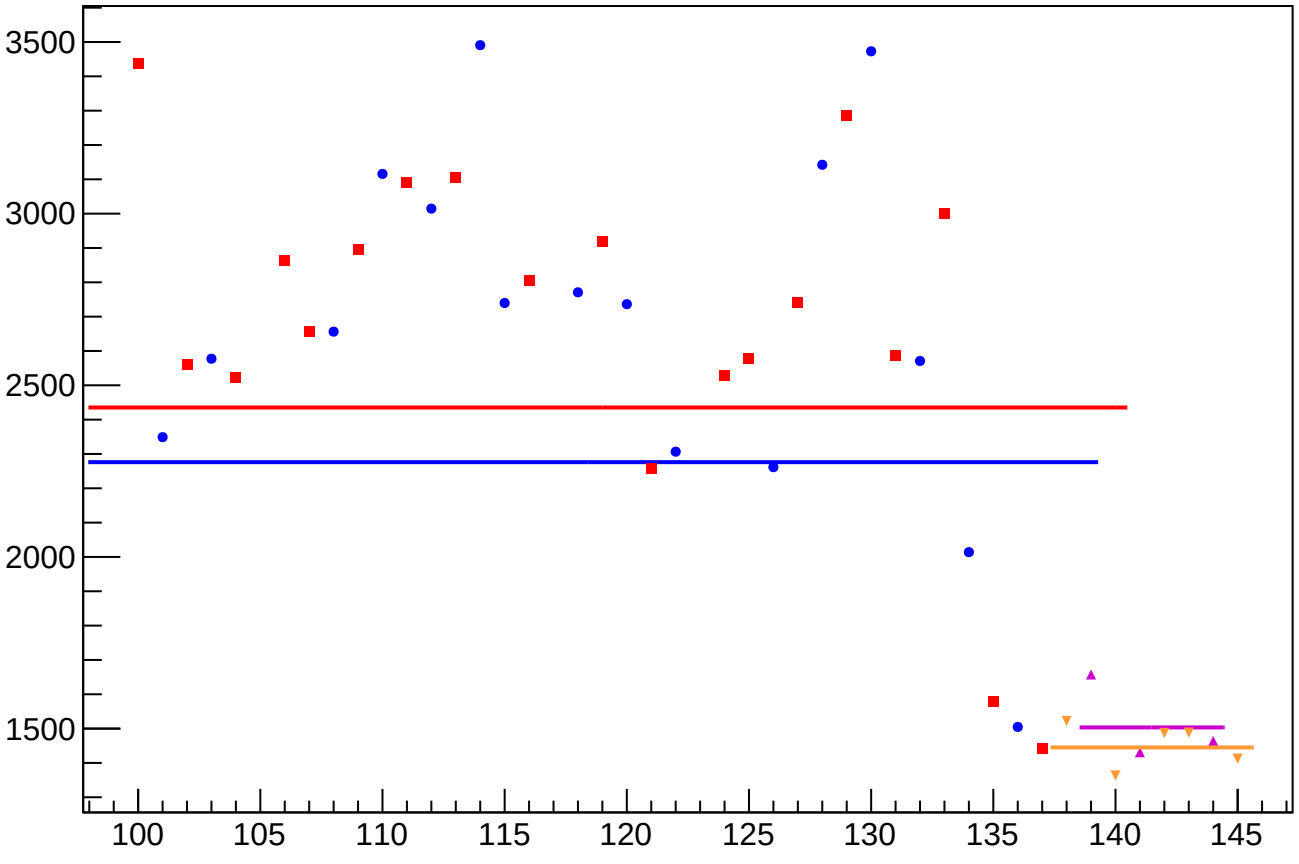
Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 489.458+/-930.491 χ^2/NDF:2.1/2

\+ sign -790.969+/-572.544 χ^2/NDF: 26.5/20

All: -452.148+/-430.307 χ^2/NDF: 44.8/42

\- sign -12.325+/-652.322 χ^2/NDF: 17.4/21



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

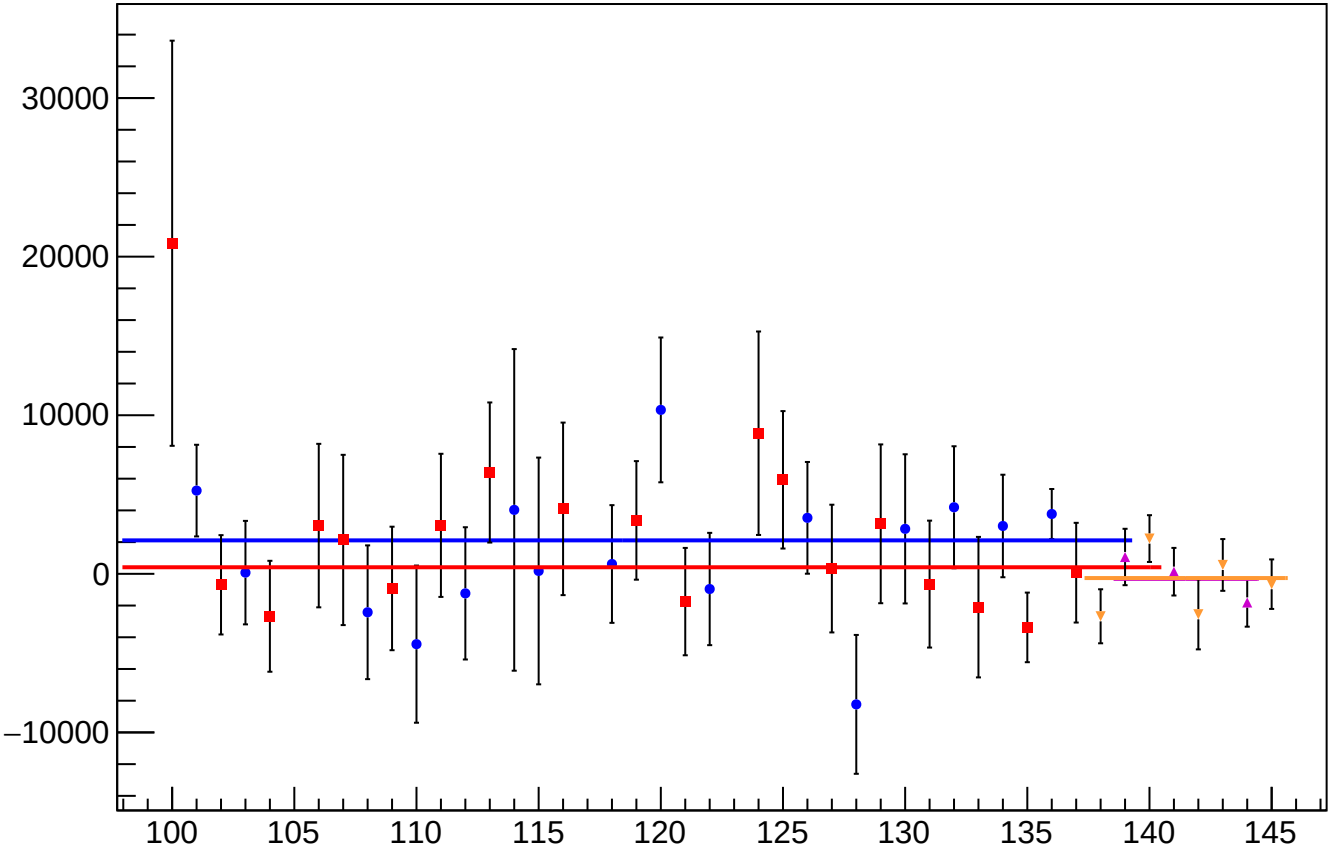
Left In: 1503.392+/-0.658 χ^2/NDF:20445.3/2

+ sign 1799.626+/-0.405 χ^2/NDF: 1970455.8/20

All: 1876.947+/-0.304 χ^2/NDF: 3886499.5/42

- sign 1977.317+/-0.461 χ^2/NDF: 1832217.9/21

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

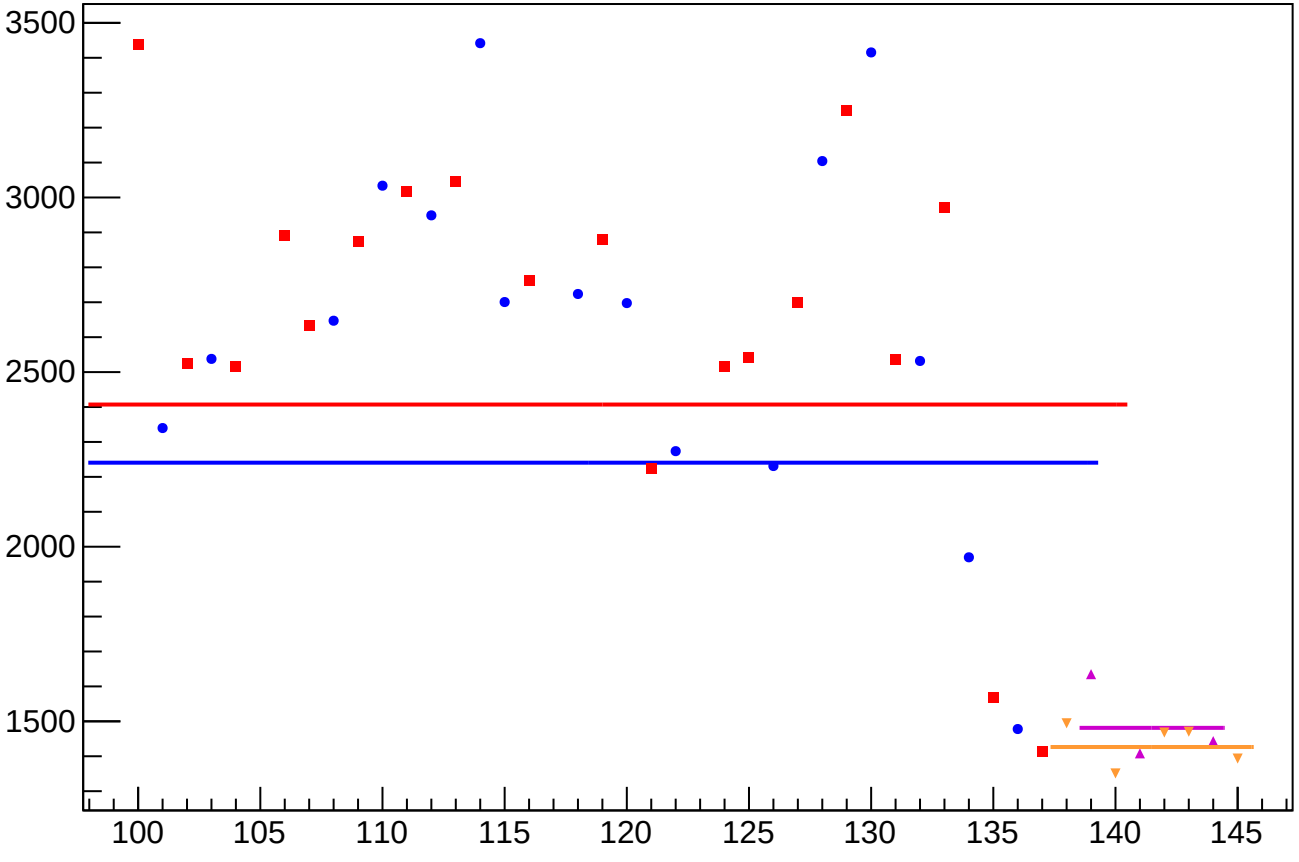
Left In: -318.165+/-916.980 χ^2/NDF:1.6/2

+ sign 749.983+/-564.699 χ^2/NDF: 27.2/20

All: 446.985+/-424.563 χ^2/NDF: 44.5/42

- sign 53.017+/-643.914 χ^2/NDF: 16.6/21

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

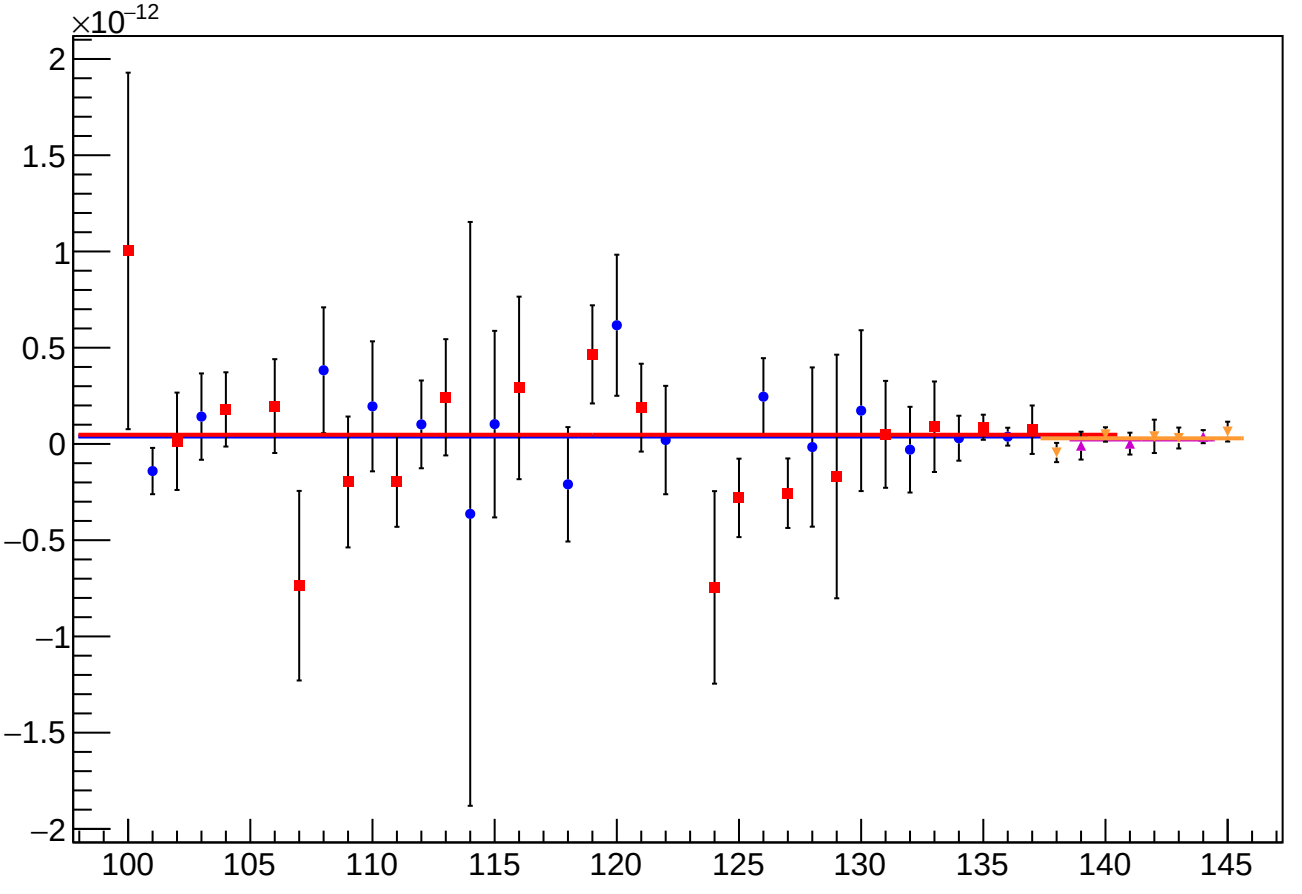
Left In: 1481.321+/-0.648 χ^2/NDF:20932.8/2

+ sign 1774.830+/-0.399 χ^2/NDF: 1962770.9/20

All: 1851.248+/-0.300 χ^2/NDF: 3890328.6/42

- sign 1950.609+/-0.455 χ^2/NDF: 1843310.1/21

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

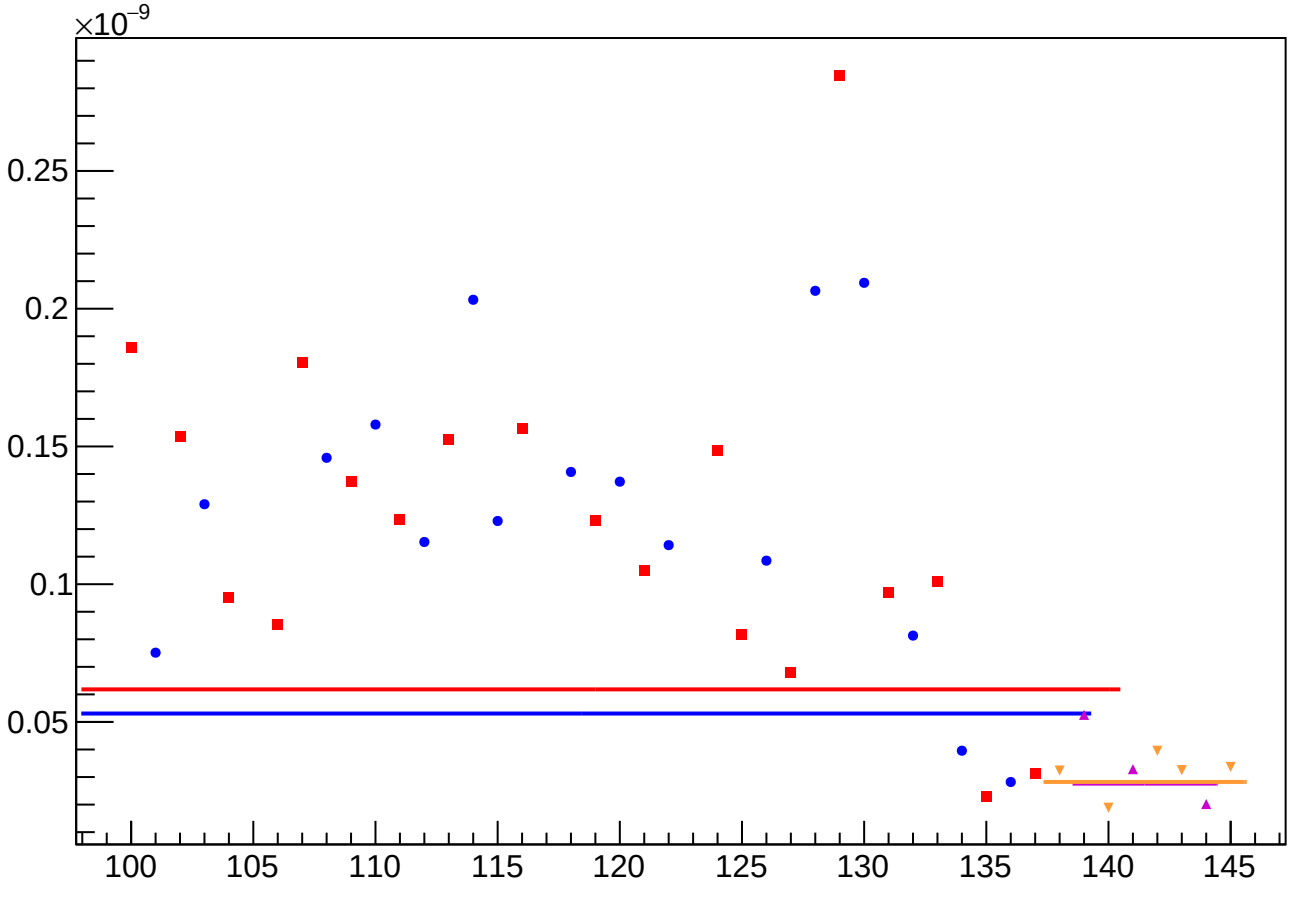
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 11.4/20

All: 0.000+/-0.000 χ^2/NDF: 30.4/42

- sign 0.000+/-0.000 χ^2/NDF: 19.0/21



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

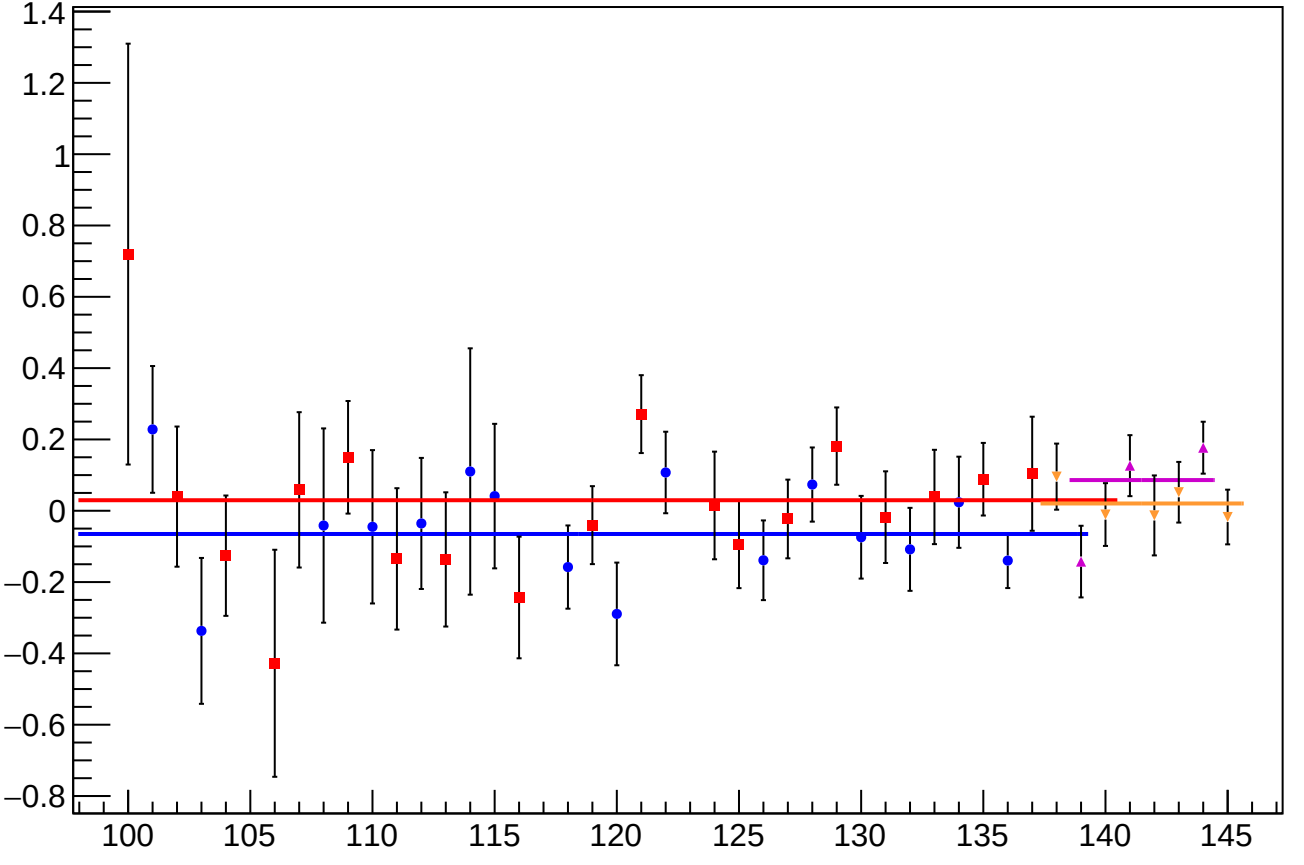
Left In: 0.000+/-0.000 χ^2/NDF:349765.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 3457480.7/20

All: 0.000+/-0.000 χ^2/NDF: 7129327.8/42

- sign 0.000+/-0.000 χ^2/NDF: 3662227.0/21

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

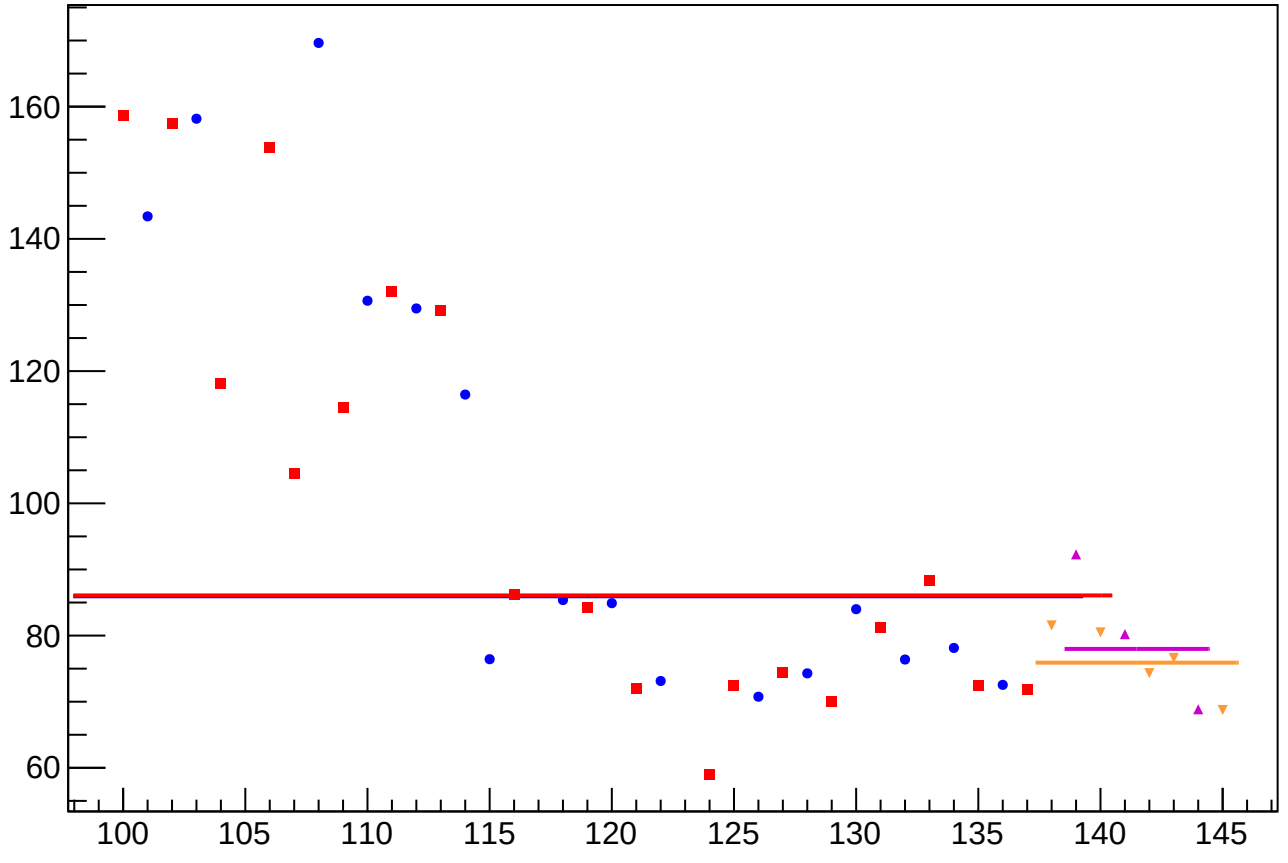
Left In: 0.086+/-0.049 χ^2/NDF:7.0/2

\+ sign -0.030+/-0.026 χ^2/NDF: 18.2/20

All: 0.006+/-0.019 χ^2/NDF: 48.4/42

\- sign 0.047+/-0.027 χ^2/NDF: 26.0/21

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

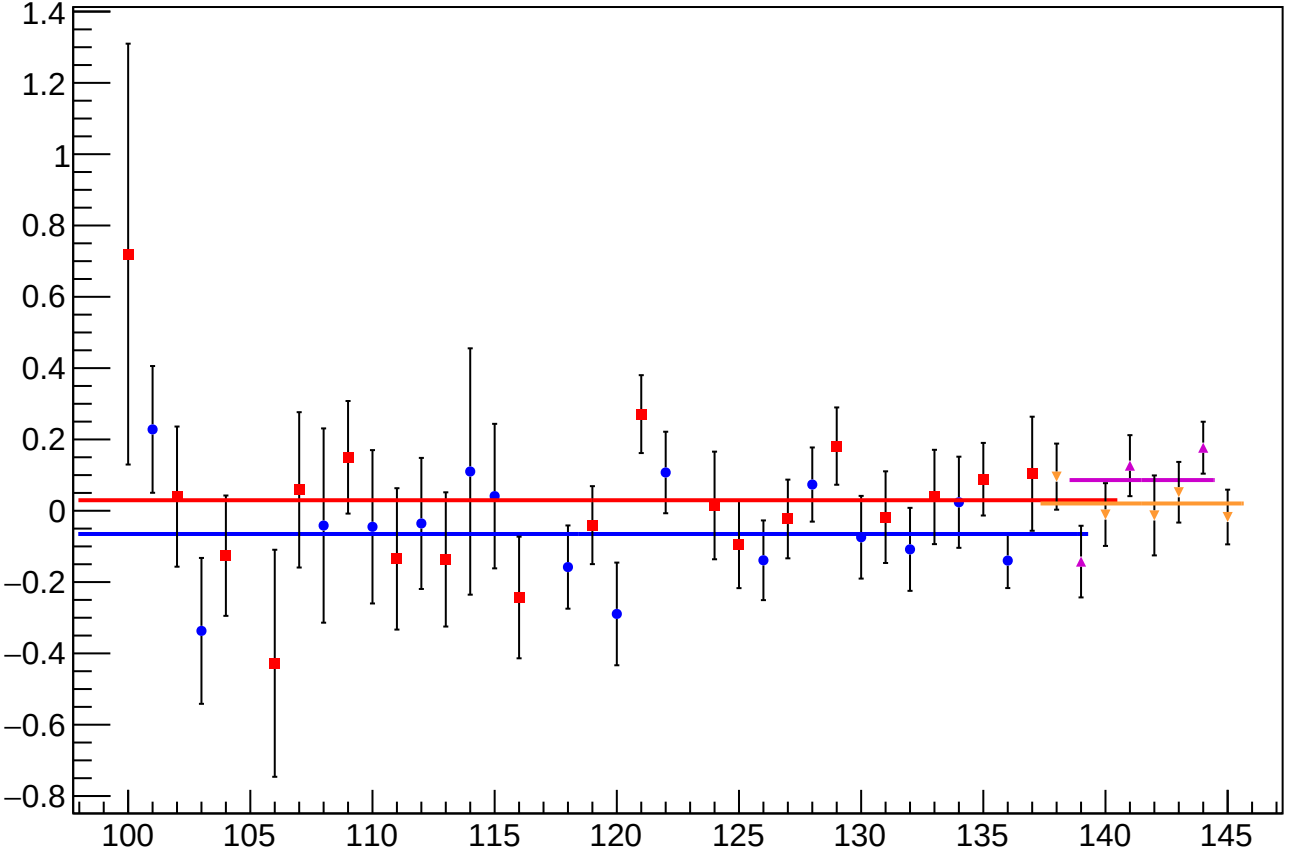
Left In: 77.984+/-0.034 χ^2/NDF:73318.6/2

+ sign 81.802+/-0.018 χ^2/NDF: 1140792.6/20

All: 82.605+/-0.013 χ^2/NDF: 2247715.1/42

- sign 83.520+/-0.019 χ^2/NDF: 1102691.9/21

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

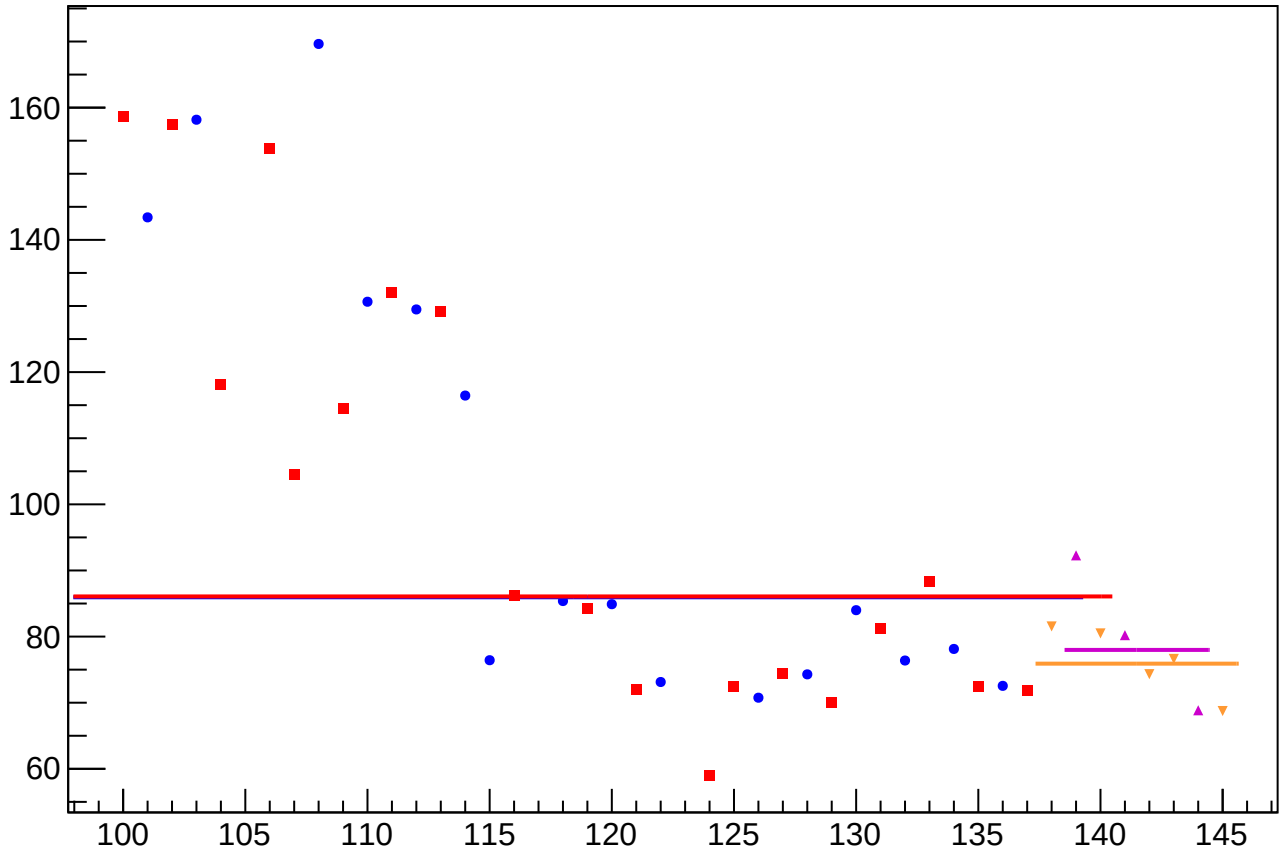
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.086+/-0.049 χ^2/NDF:7.0/2

\+ sign -0.030+/-0.026 χ^2/NDF: 18.2/20

All: 0.006+/-0.019 χ^2/NDF: 48.4/42

\- sign 0.047+/-0.027 χ^2/NDF: 26.0/21



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 75.906+/-0.028 χ^2/NDF:30801.1/4

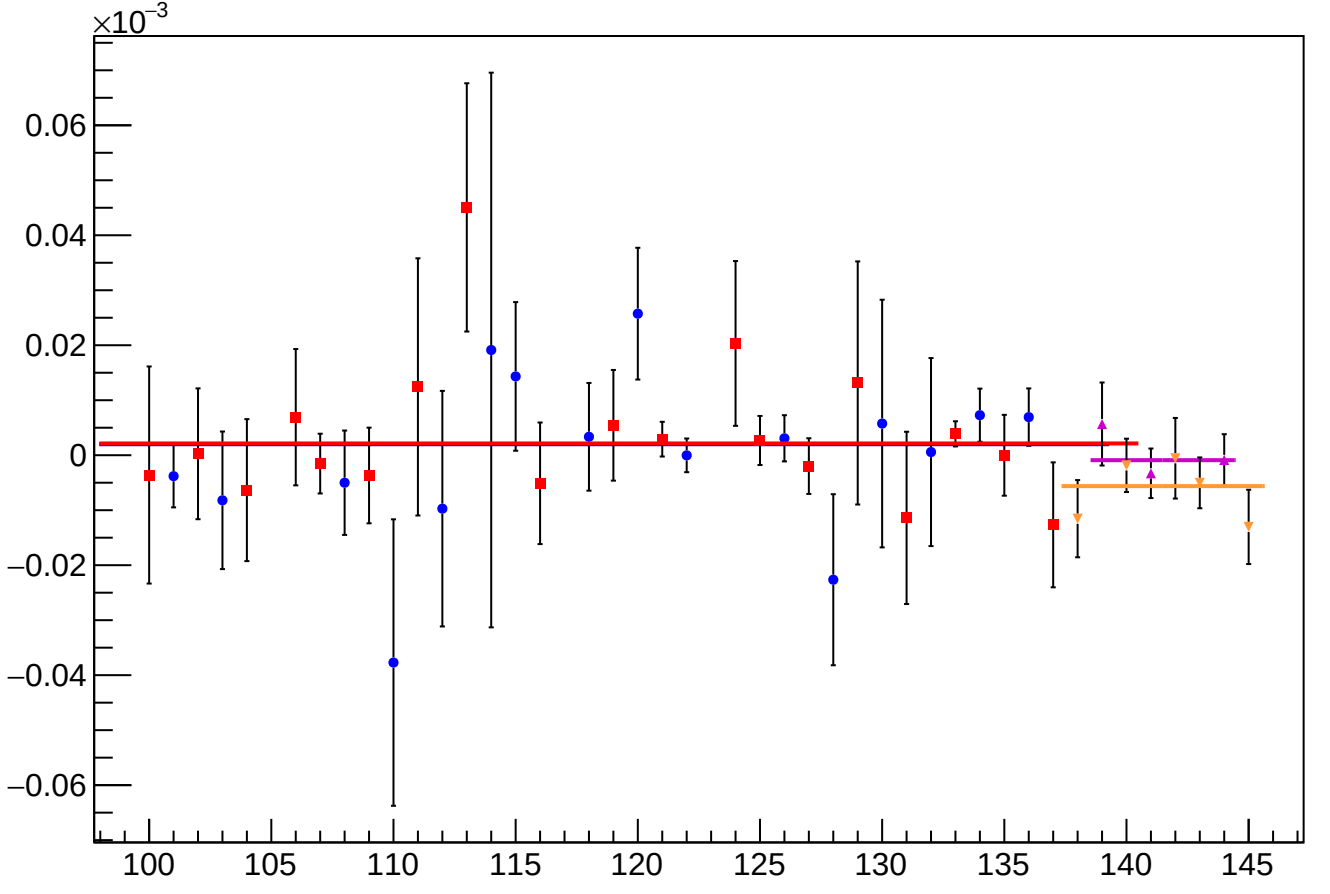
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 77.984+/-0.034 χ^2/NDF:73318.6/2

+ sign 81.802+/-0.018 χ^2/NDF: 1140792.6/20

All: 82.605+/-0.013 χ^2/NDF: 2247715.1/42

- sign 83.520+/-0.019 χ^2/NDF: 1102691.9/21



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

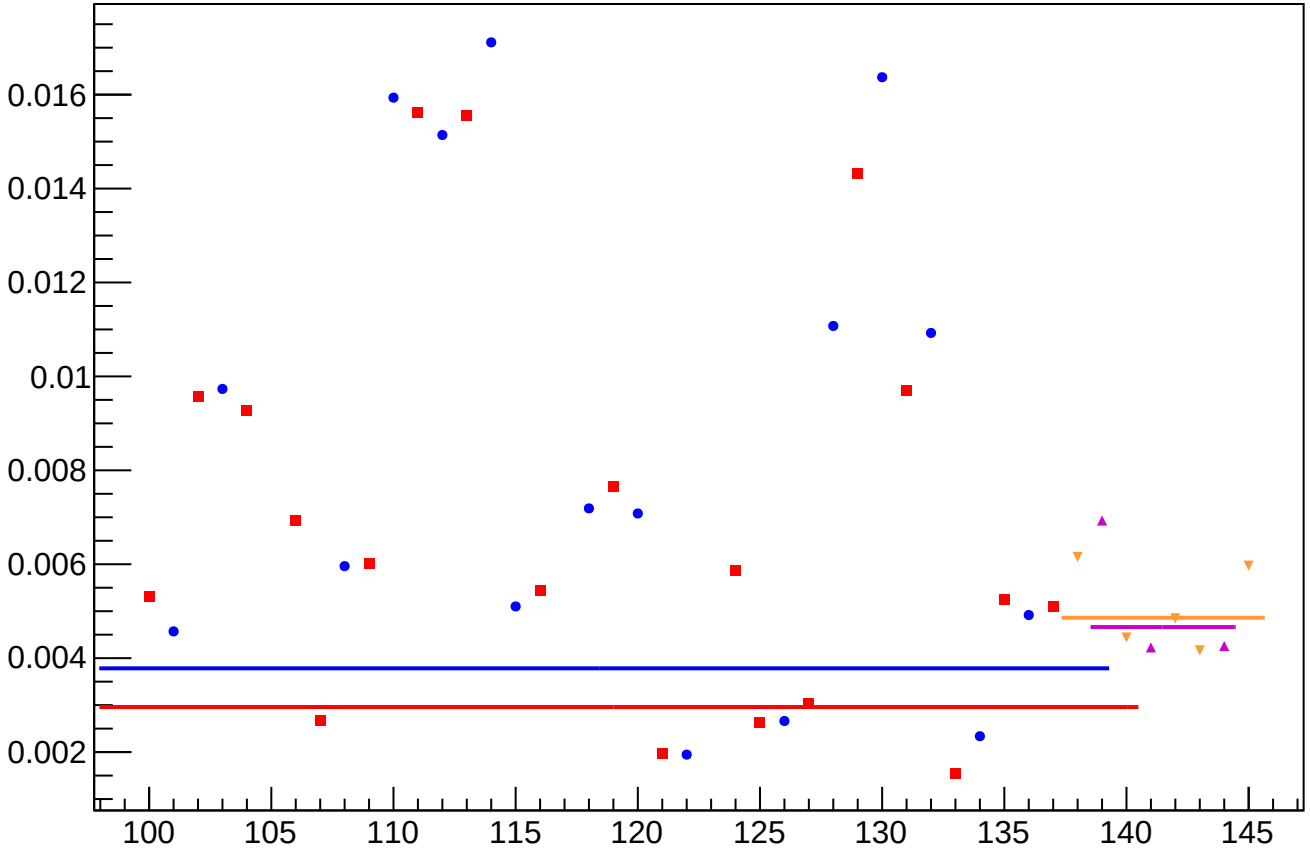
Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/20

All: 0.000+/-0.000 χ^2/NDF: 38.4/42

- sign 0.000+/-0.000 χ^2/NDF: 13.4/21

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

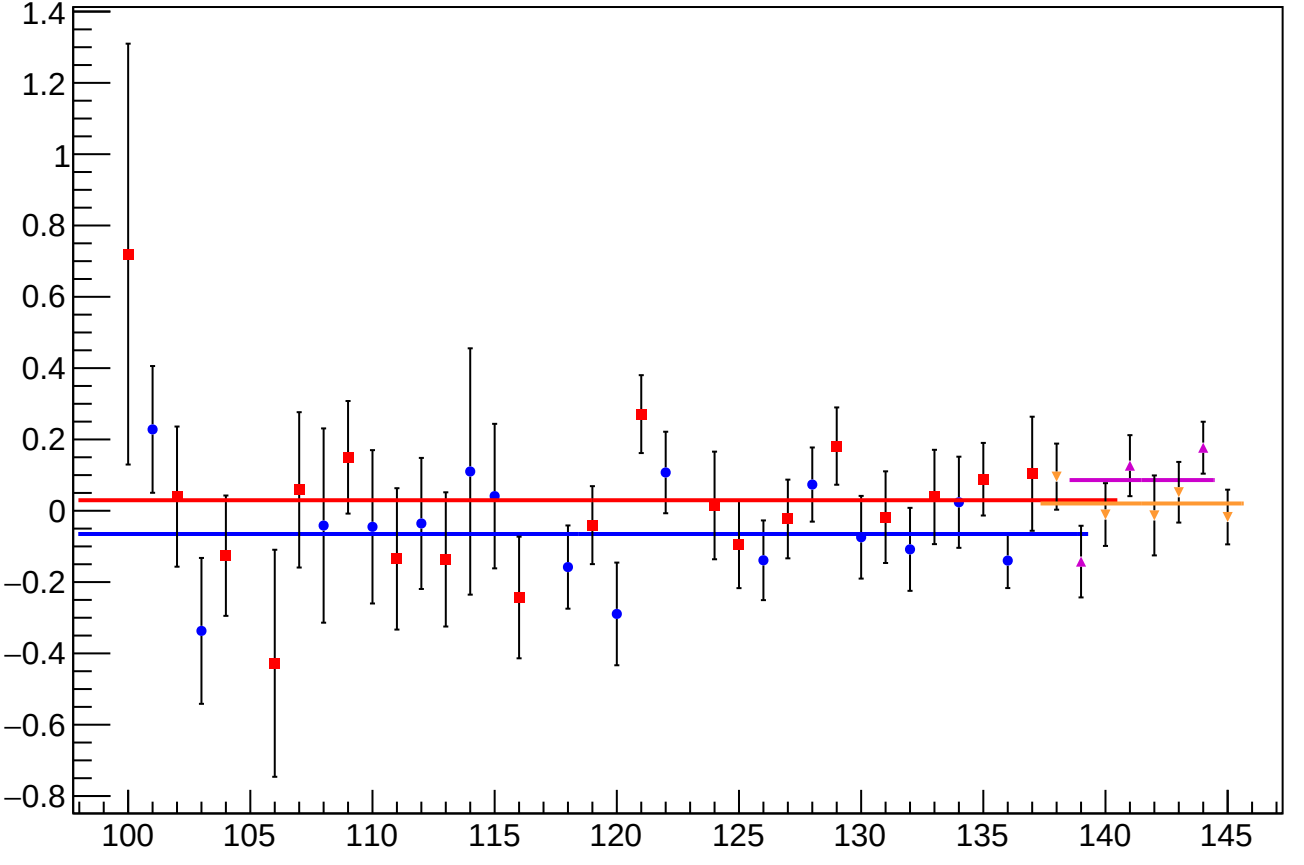
Left In: 0.005+/-0.000 χ^2/NDF:214184.0/2

+ sign 0.004+/-0.000 χ^2/NDF: 5115229.8/20

All: 0.004+/-0.000 χ^2/NDF: 11805916.1/42

- sign 0.003+/-0.000 χ^2/NDF: 6296525.7/21

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

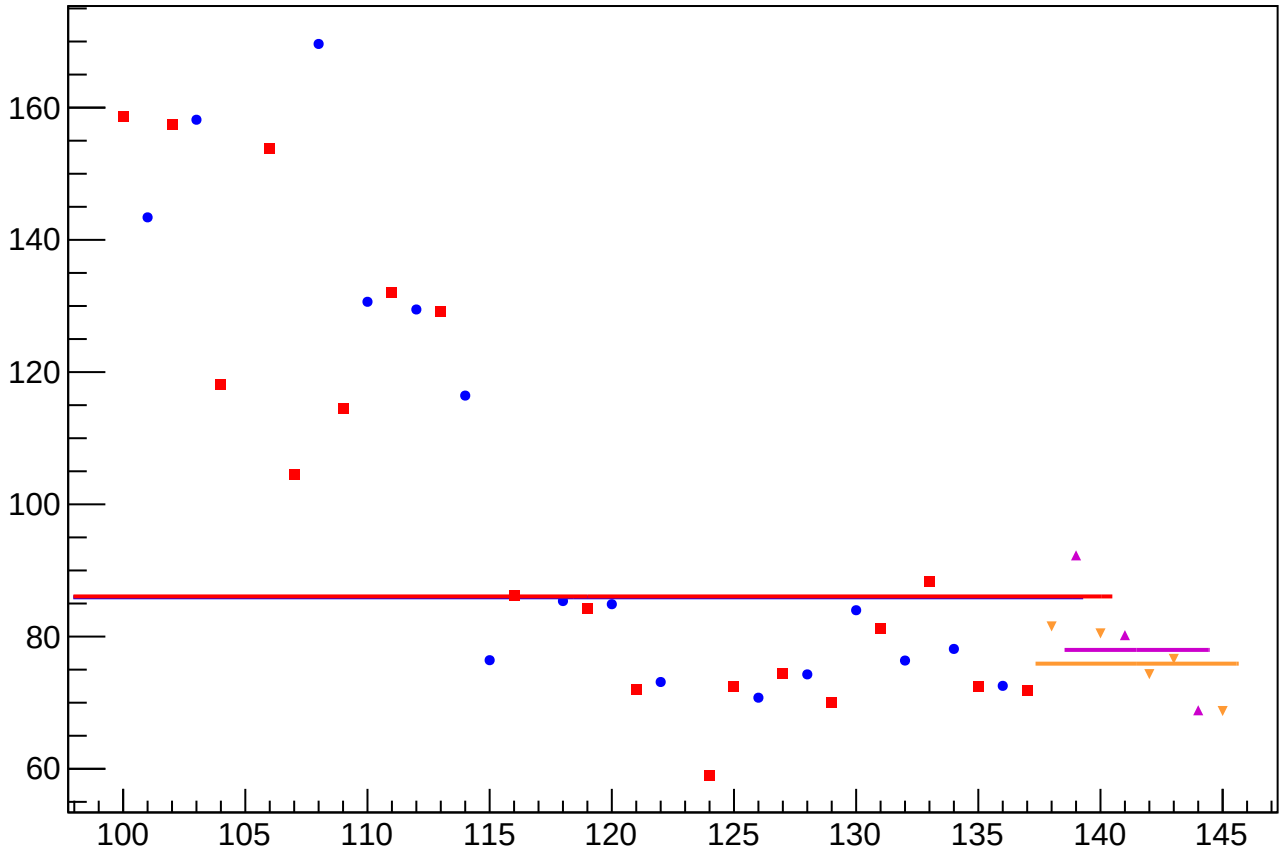
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.086+/-0.049 χ^2/NDF:7.0/2

\+ sign -0.030+/-0.026 χ^2/NDF: 18.1/20

All: 0.006+/-0.019 χ^2/NDF: 48.4/42

\- sign 0.047+/-0.027 χ^2/NDF: 26.0/21



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 75.905+/-0.028 χ^2/NDF:30808.8/4

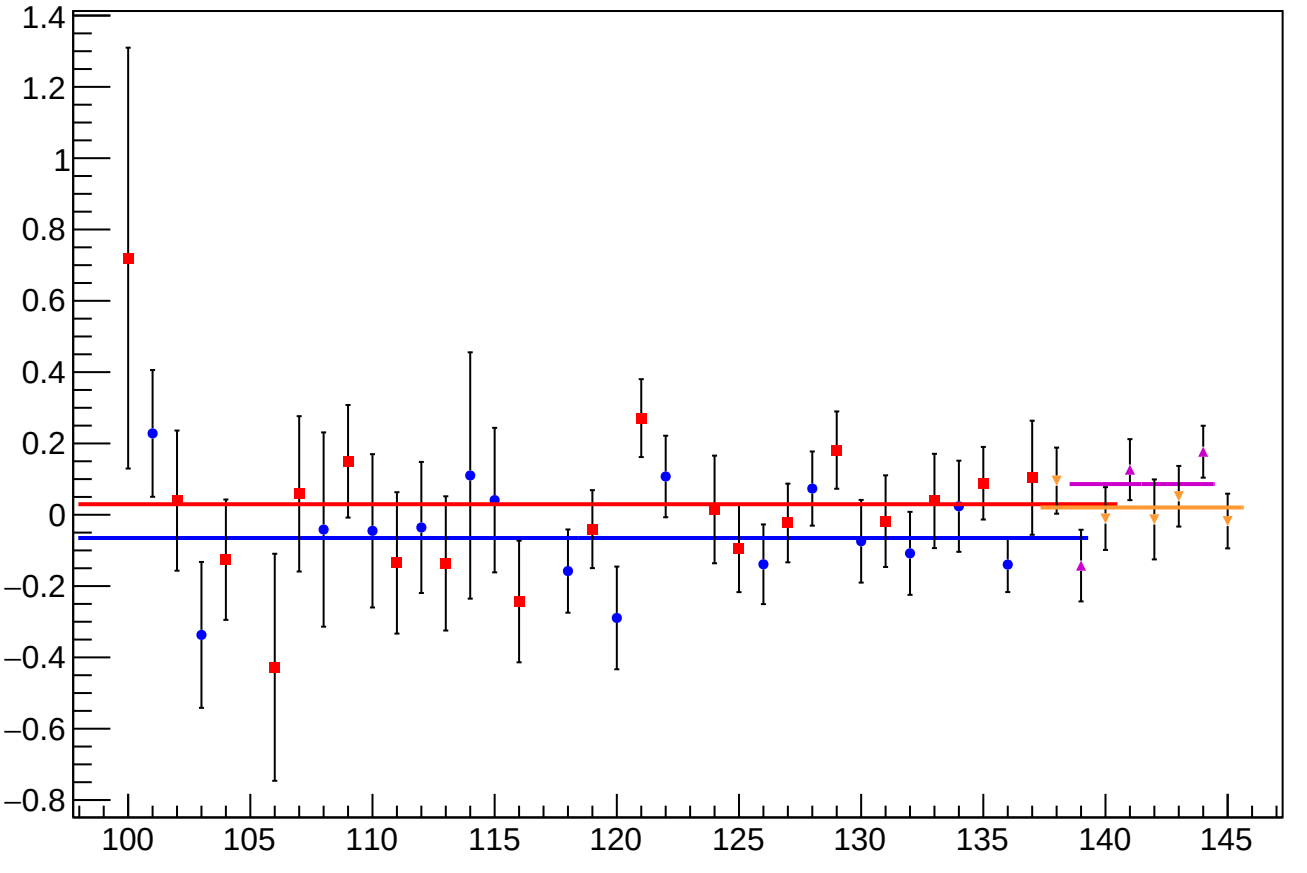
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 77.983+/-0.034 χ^2/NDF:73316.3/2

+ sign 81.801+/-0.018 χ^2/NDF: 1140762.9/20

All: 82.603+/-0.013 χ^2/NDF: 2247664.0/42

- sign 83.519+/-0.019 χ^2/NDF: 1102669.4/21



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.040 χ^2/NDF:1.3/4

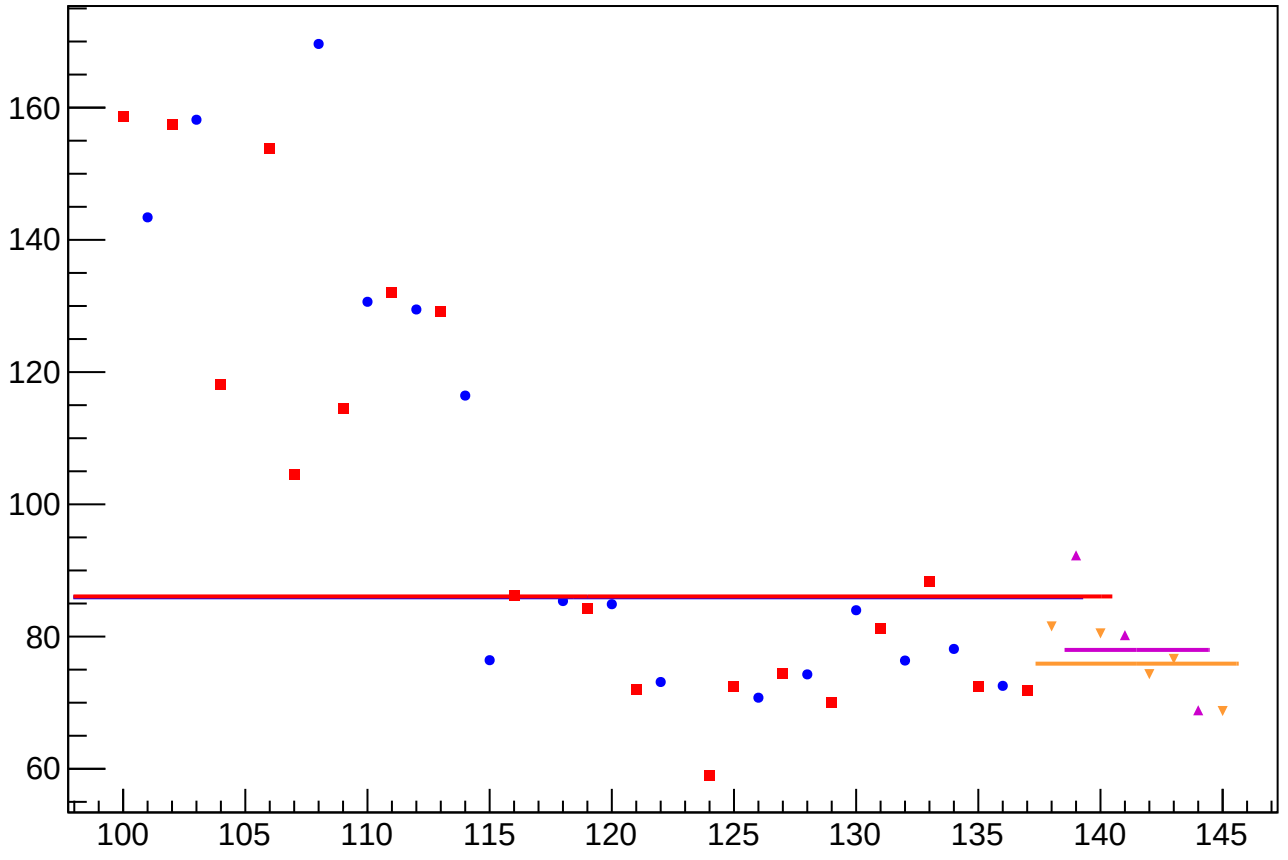
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.086+/-0.049 χ^2/NDF:7.0/2

+ sign -0.030+/-0.026 χ^2/NDF: 18.1/20

All: 0.006+/-0.019 χ^2/NDF: 48.4/42

- sign 0.047+/-0.027 χ^2/NDF: 26.0/21



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 75.905+/-0.028 χ^2/NDF:30808.8/4

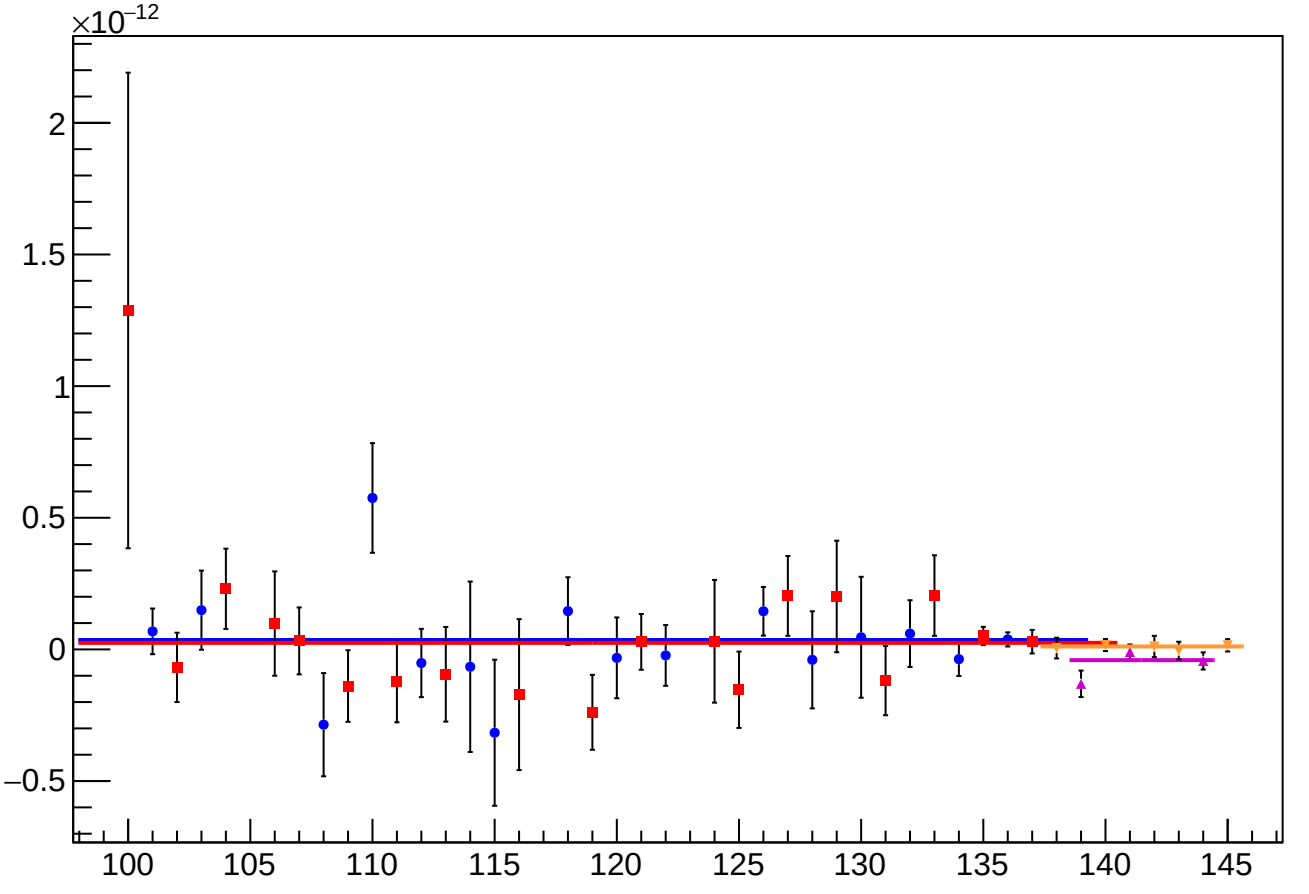
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 77.983+/-0.034 χ^2/NDF:73316.3/2

+ sign 81.801+/-0.018 χ^2/NDF: 1140762.9/20

All: 82.603+/-0.013 χ^2/NDF: 2247664.0/42

- sign 83.519+/-0.019 χ^2/NDF: 1102669.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/4

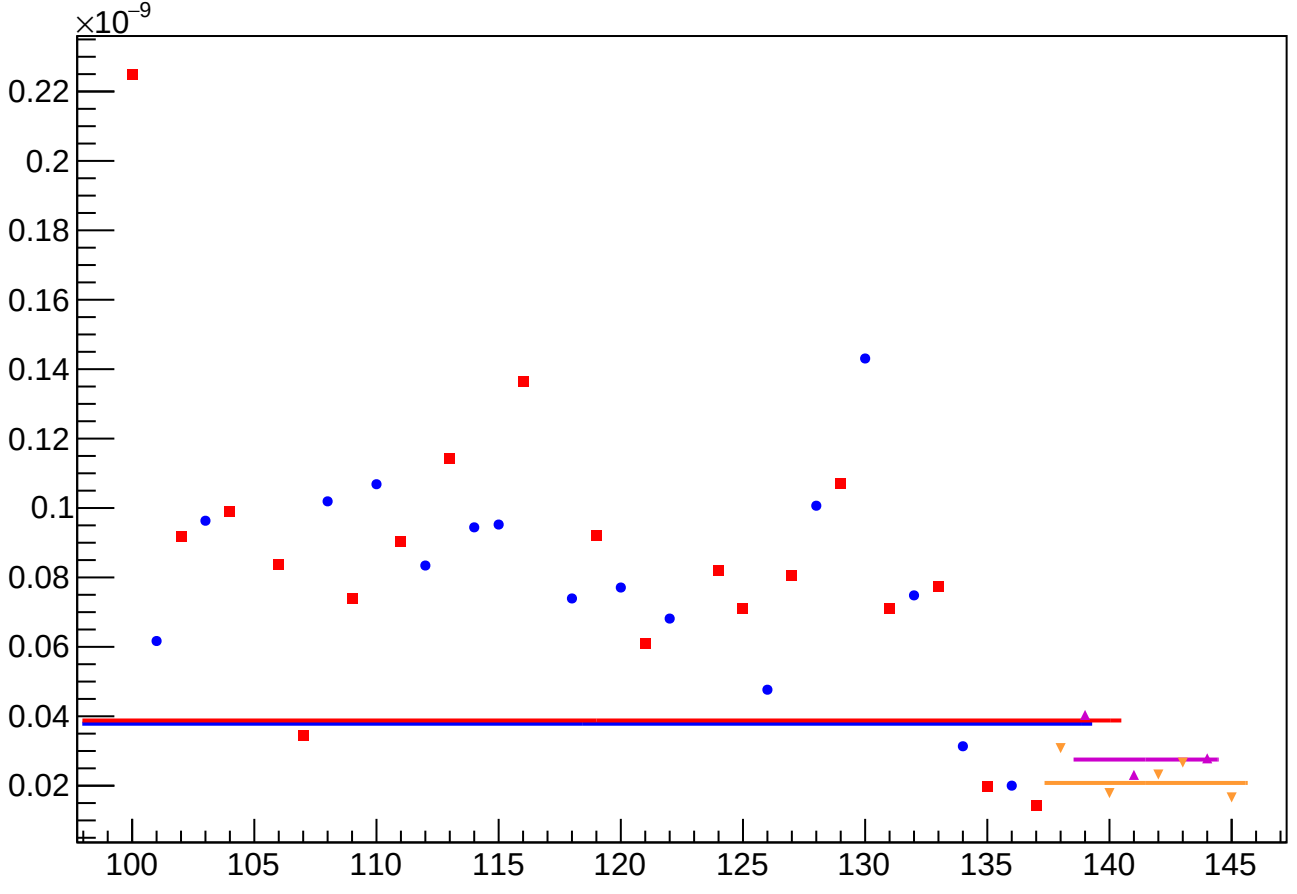
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/20

All: 0.000+/-0.000 χ^2/NDF: 47.5/42

- sign -0.000+/-0.000 χ^2/NDF: 27.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:294094.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

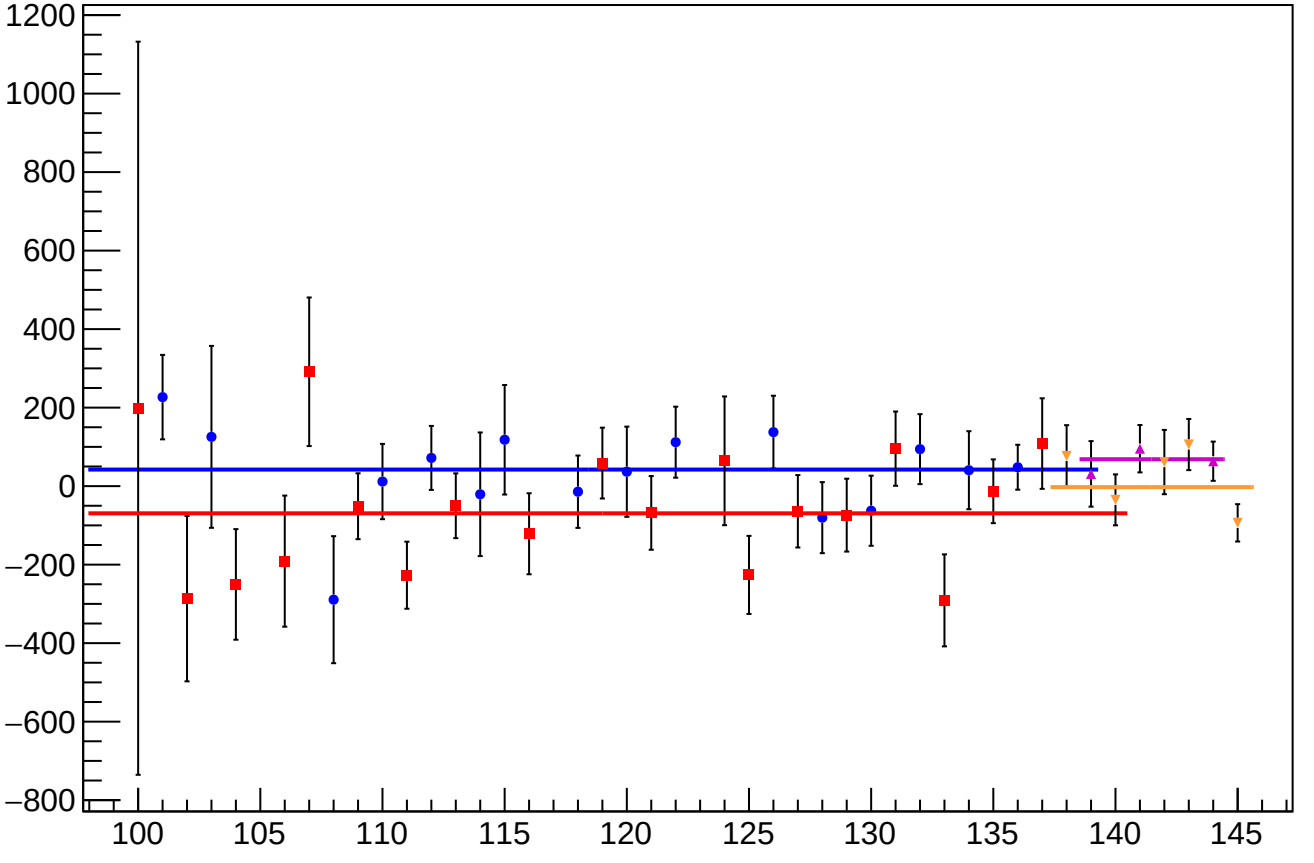
Left In: 0.000+/-0.000 χ^2/NDF:178909.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 4728138.4/20

All: 0.000+/-0.000 χ^2/NDF: 9592225.2/42

- sign 0.000+/-0.000 χ^2/NDF: 4587902.8/21

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

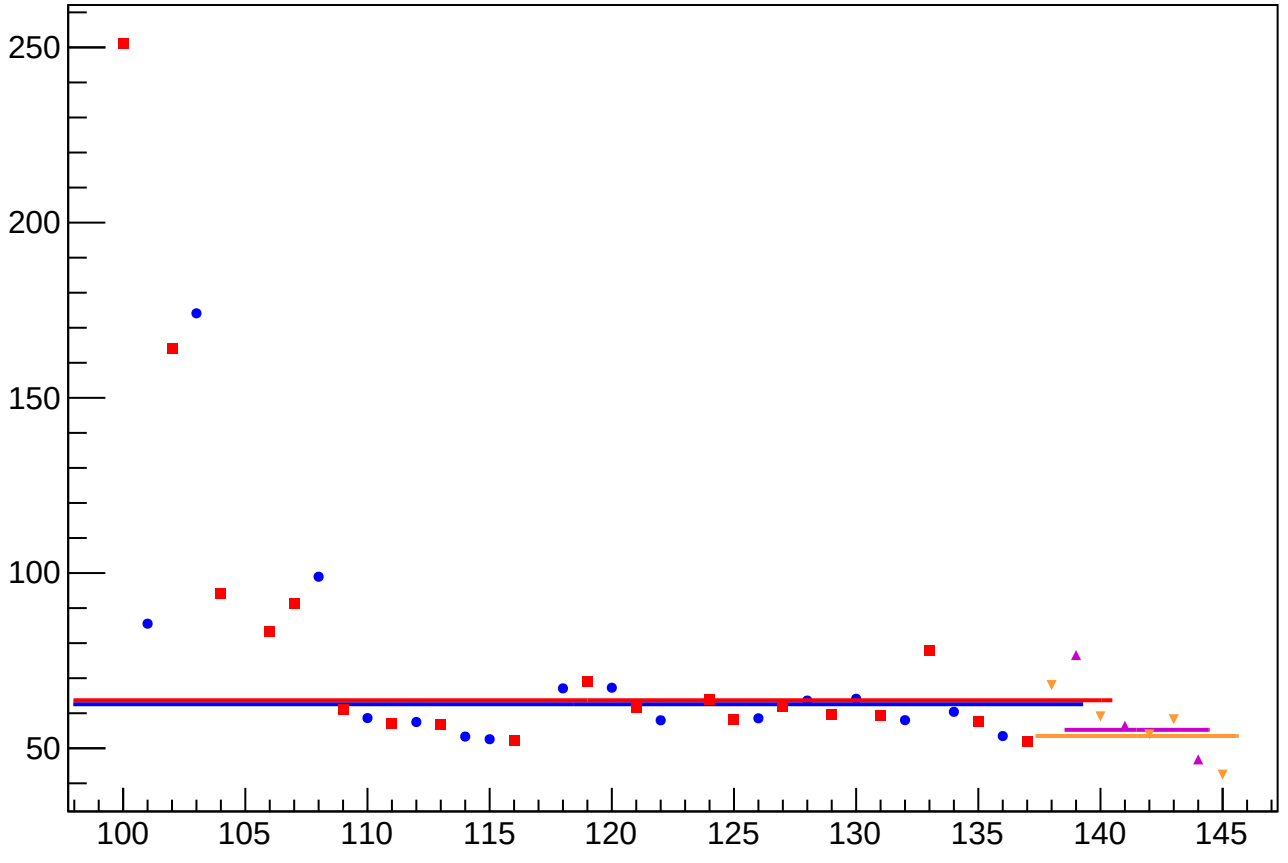
Left In: 68.529+/-34.952 χ^2/NDF:0.4/2

+ sign 23.523+/-18.466 χ^2/NDF: 23.3/20

All: 1.646+/-13.573 χ^2/NDF: 62.6/42

- sign -24.060+/-20.017 χ^2/NDF: 36.2/21

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

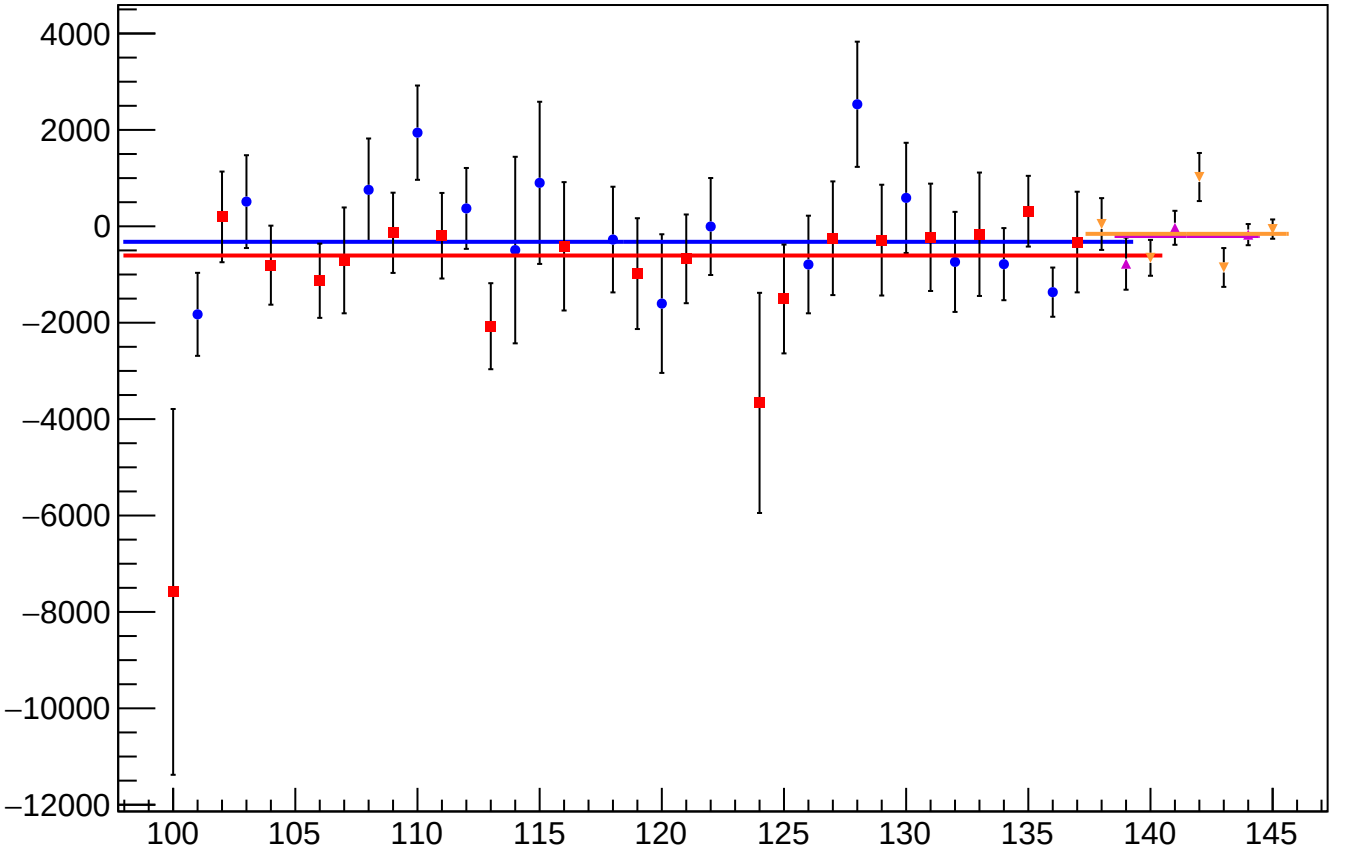
Left In: 55.261+/-0.025 χ^2/NDF:188222.3/2

+ sign 58.776+/-0.013 χ^2/NDF: 1077478.3/20

All: 59.767+/-0.010 χ^2/NDF: 2190740.6/42

- sign 60.932+/-0.014 χ^2/NDF: 1100730.9/21

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

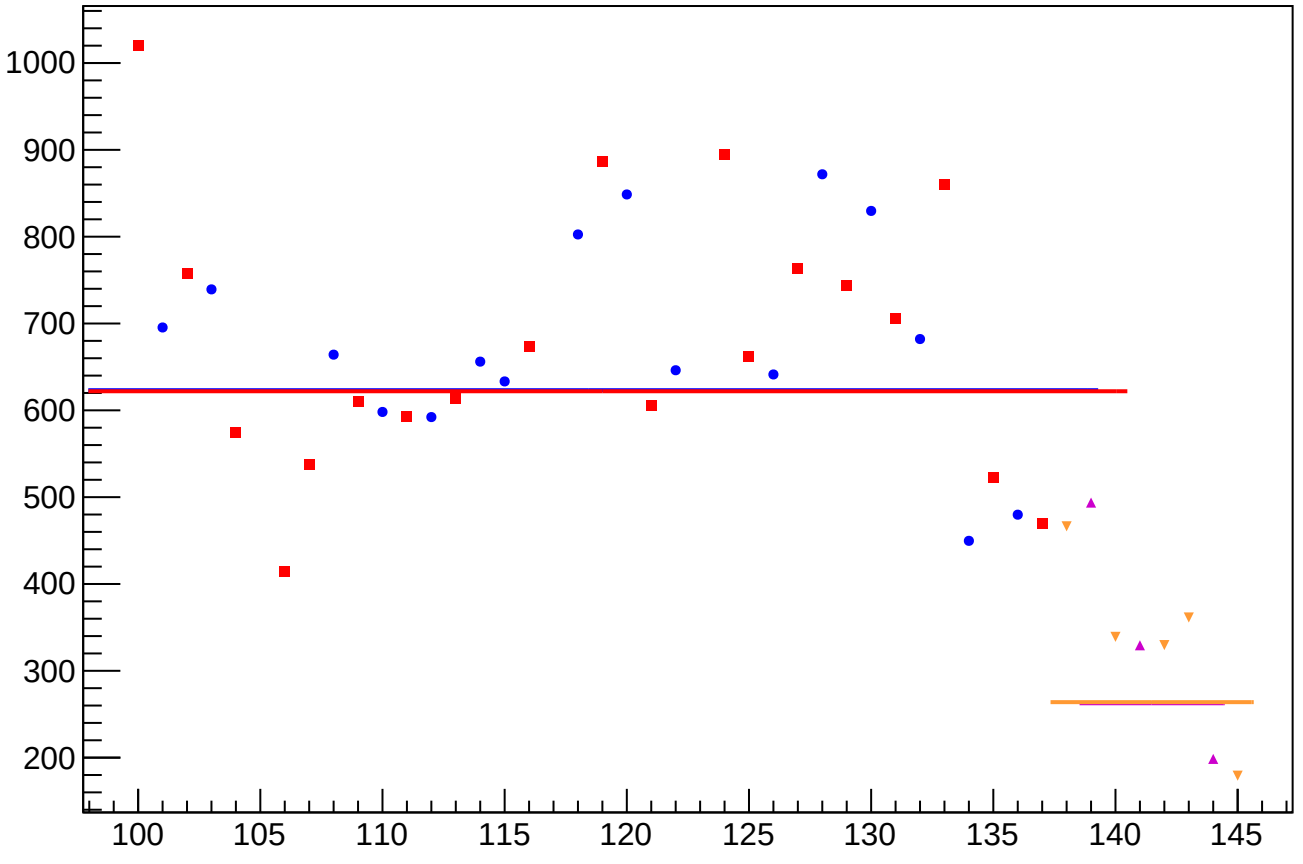
Left In: -201.134+/-176.236 χ^2/NDF:1.4/2

+ sign -202.164+/-125.616 χ^2/NDF: 33.8/20

All: -266.806+/-93.704 χ^2/NDF: 50.2/42

- sign -347.903+/-140.698 χ^2/NDF: 15.8/21

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

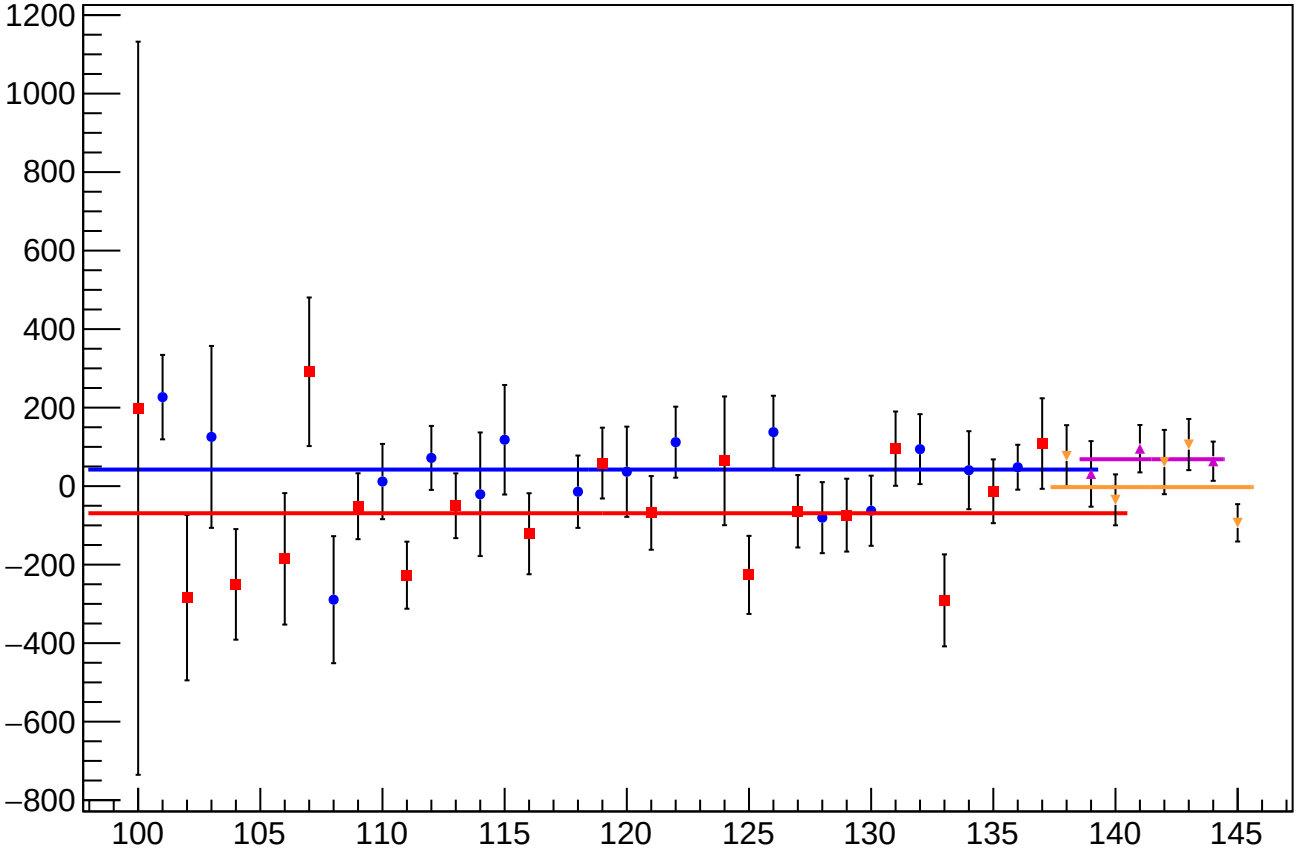
Left In: 262.627+/-0.125 χ^2/NDF:607402.5/2

+ sign 363.589+/-0.089 χ^2/NDF: 4720451.6/20

All: 376.608+/-0.066 χ^2/NDF: 8974249.1/42

- sign 392.940+/-0.099 χ^2/NDF: 4205368.7/21

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

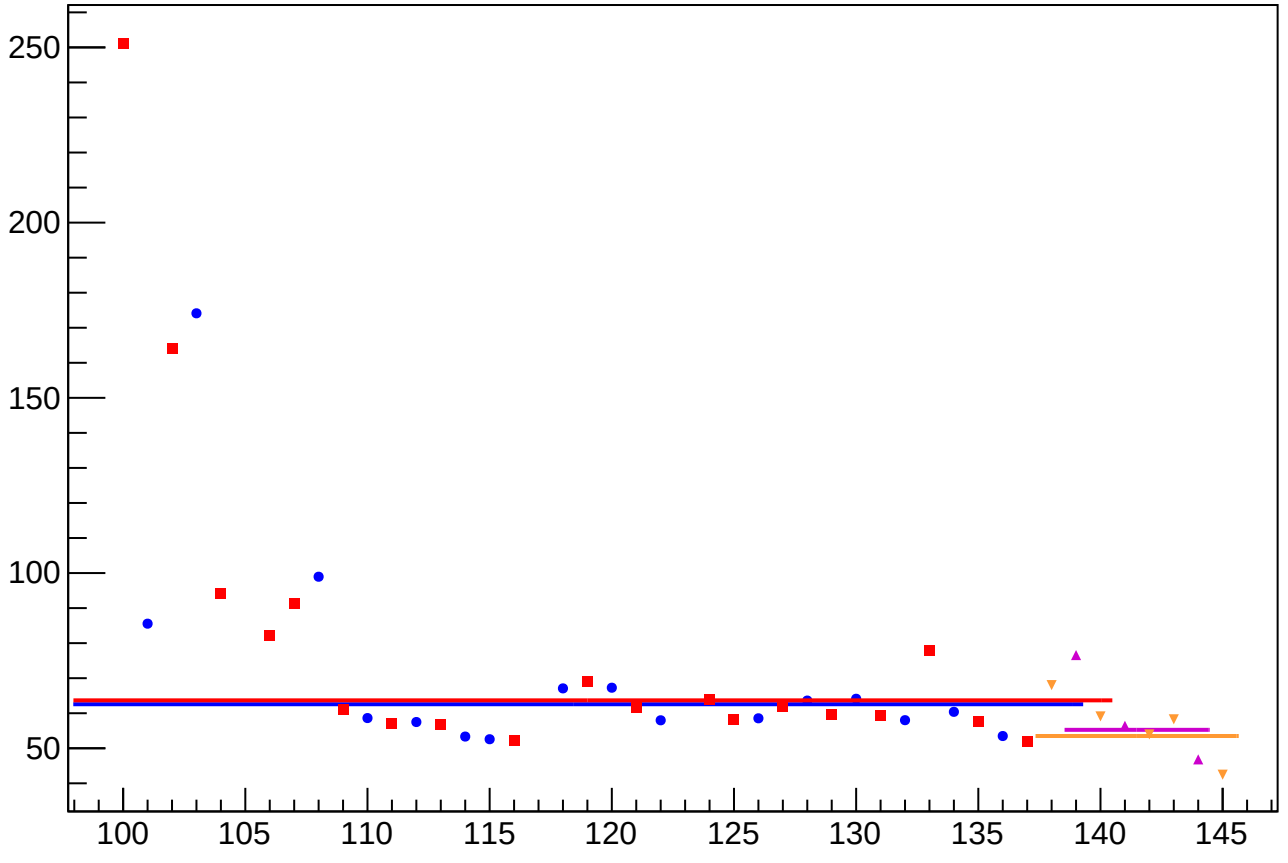
Left In: 68.525+/-34.952 χ^2/NDF:0.4/2

+ sign 23.521+/-18.466 χ^2/NDF: 23.3/20

All: 1.703+/-13.573 χ^2/NDF: 62.4/42

- sign -23.936+/-20.018 χ^2/NDF: 36.1/21

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

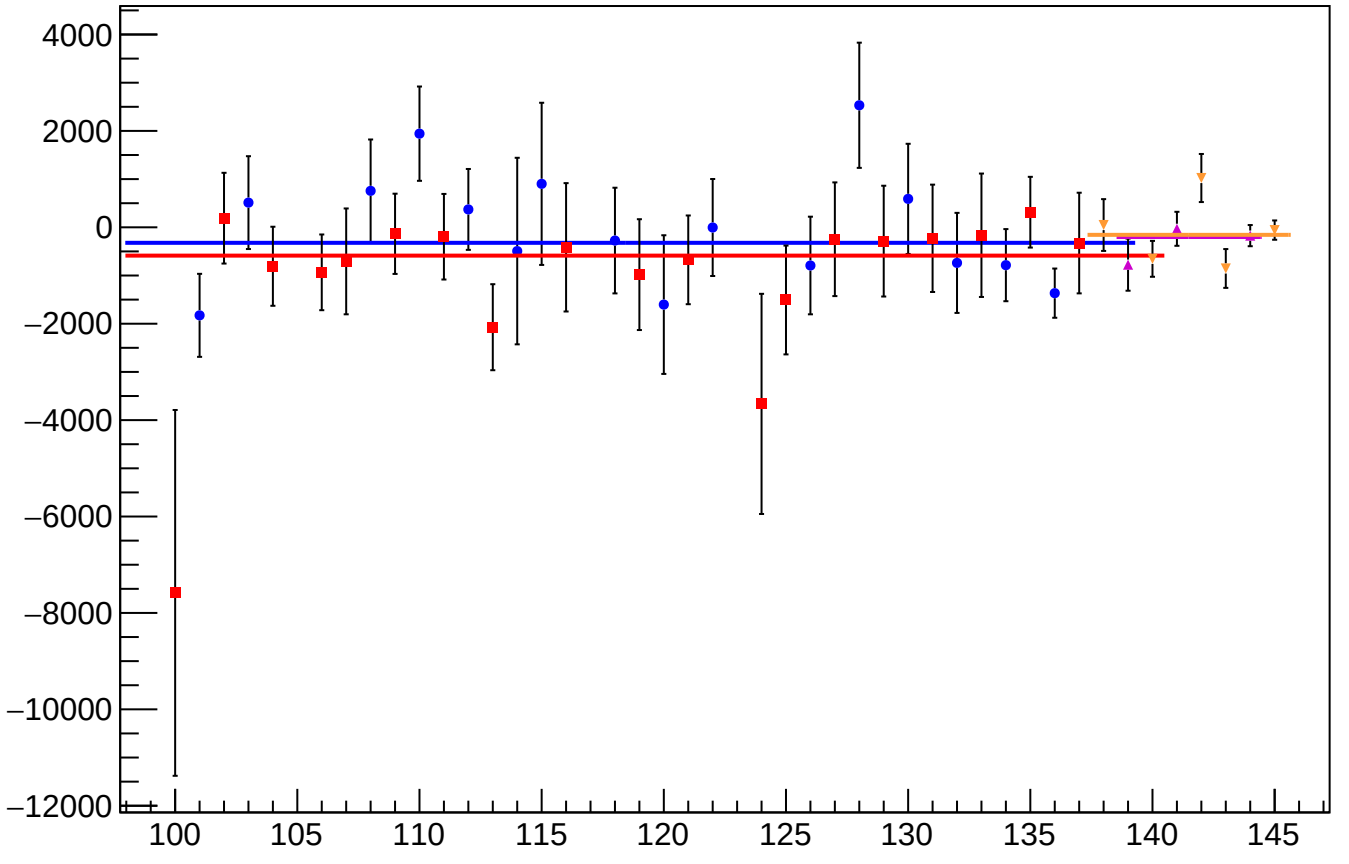
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 55.261+/-0.025 χ^2/NDF:188222.3/2

+ sign 58.776+/-0.013 χ^2/NDF: 1077480.3/20

All: 59.760+/-0.010 χ^2/NDF: 2187353.4/42

- sign 60.915+/-0.014 χ^2/NDF: 1097532.5/21



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

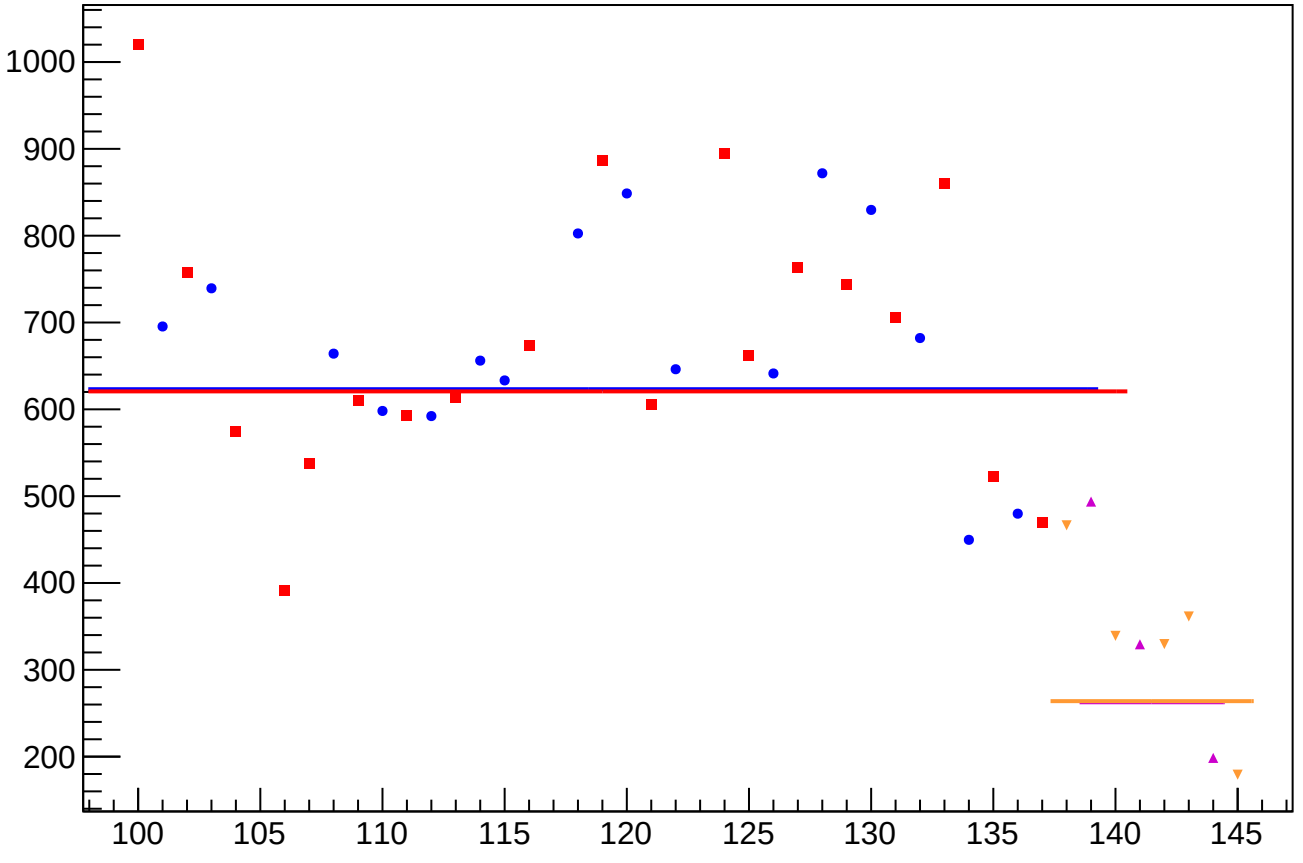
Left In: -201.145+/-176.236 χ^2/NDF:1.4/2

+ sign -202.161+/-125.616 χ^2/NDF: 33.8/20

All: -263.616+/-93.732 χ^2/NDF: 49.6/42

- sign -340.818+/-140.794 χ^2/NDF: 15.3/21

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

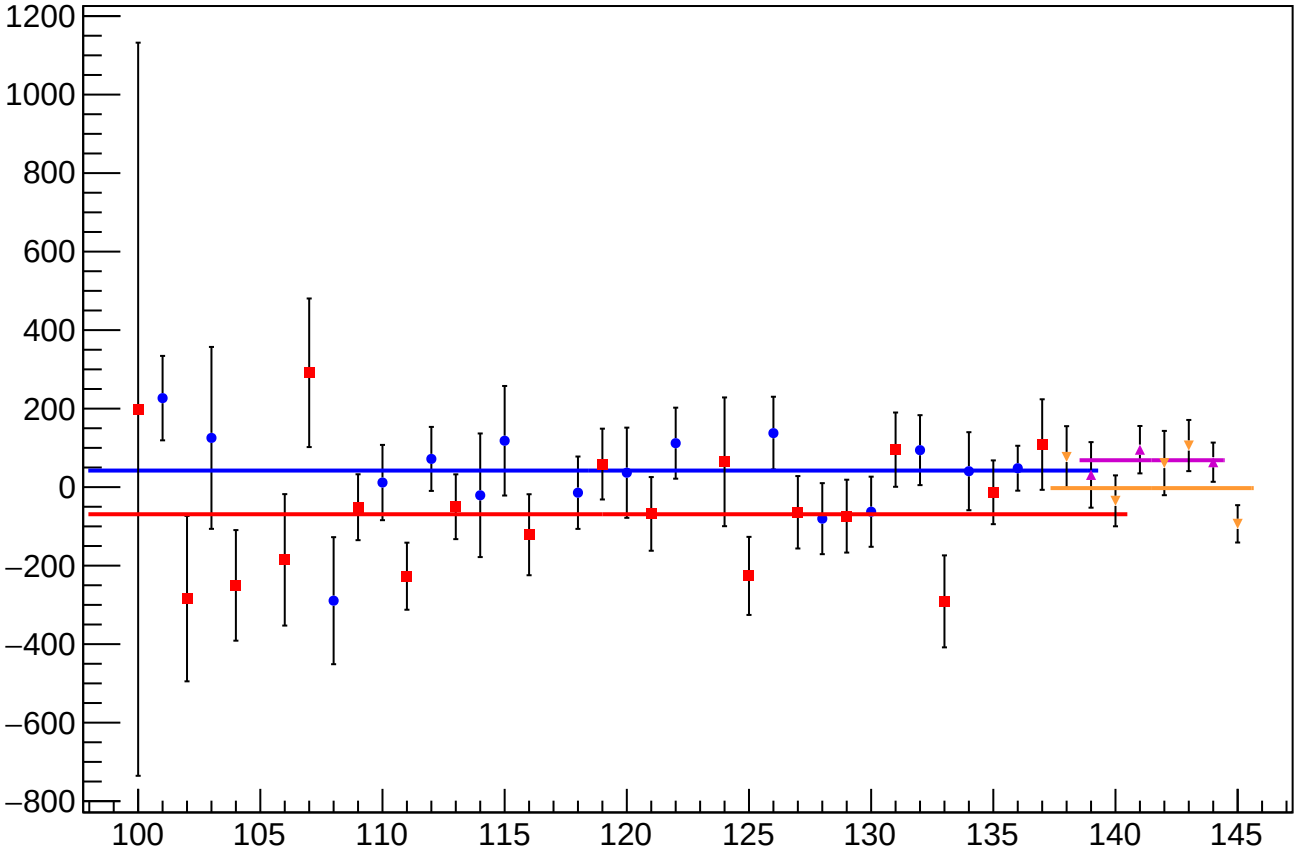
Left In: 262.627+/-0.125 χ^2/NDF:607403.7/2

+ sign 363.589+/-0.089 χ^2/NDF: 4720520.7/20

All: 376.251+/-0.066 χ^2/NDF: 8970743.4/42

- sign 392.159+/-0.100 χ^2/NDF: 4204370.0/21

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

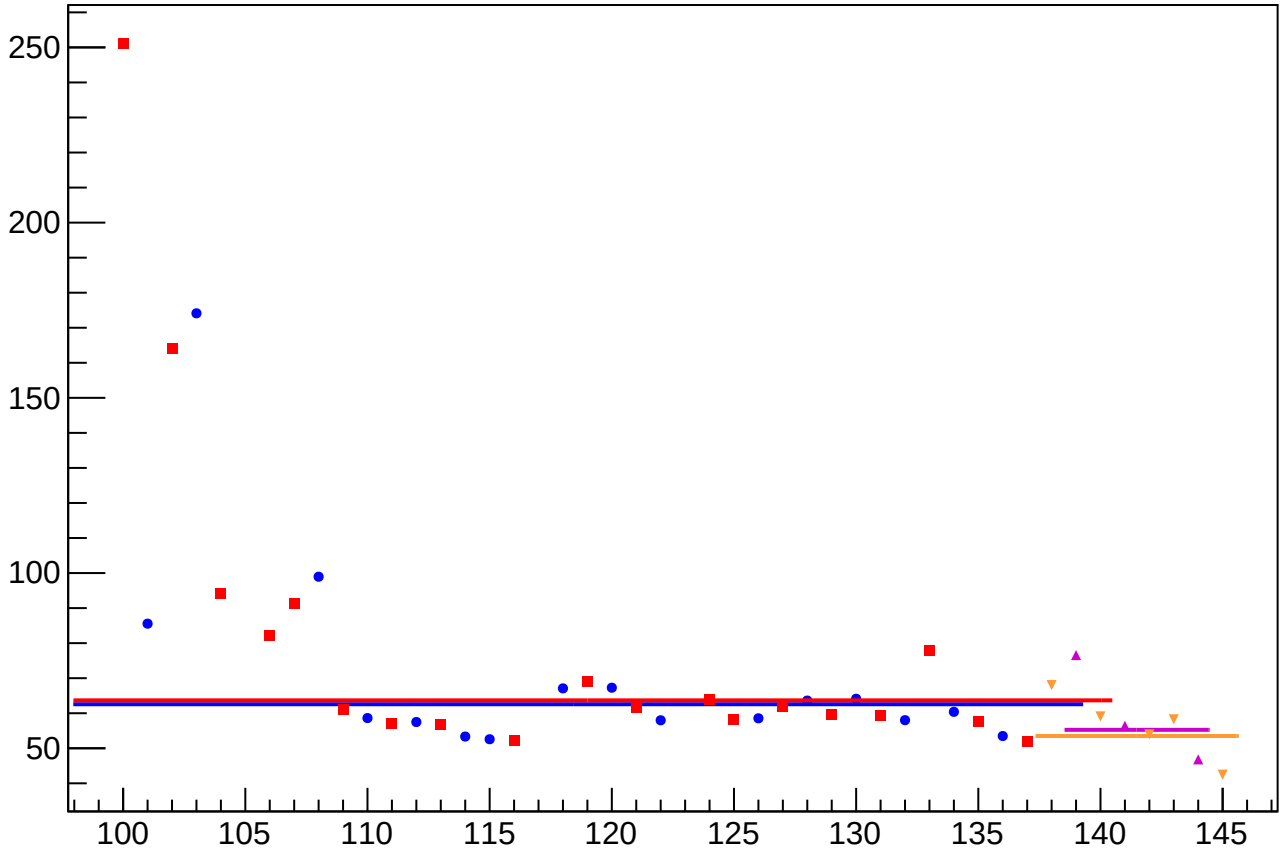
Left In: 68.525+/-34.952 χ^2/NDF:0.4/2

+ sign 23.521+/-18.466 χ^2/NDF: 23.3/20

All: 1.703+/-13.573 χ^2/NDF: 62.4/42

- sign -23.936+/-20.018 χ^2/NDF: 36.1/21

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

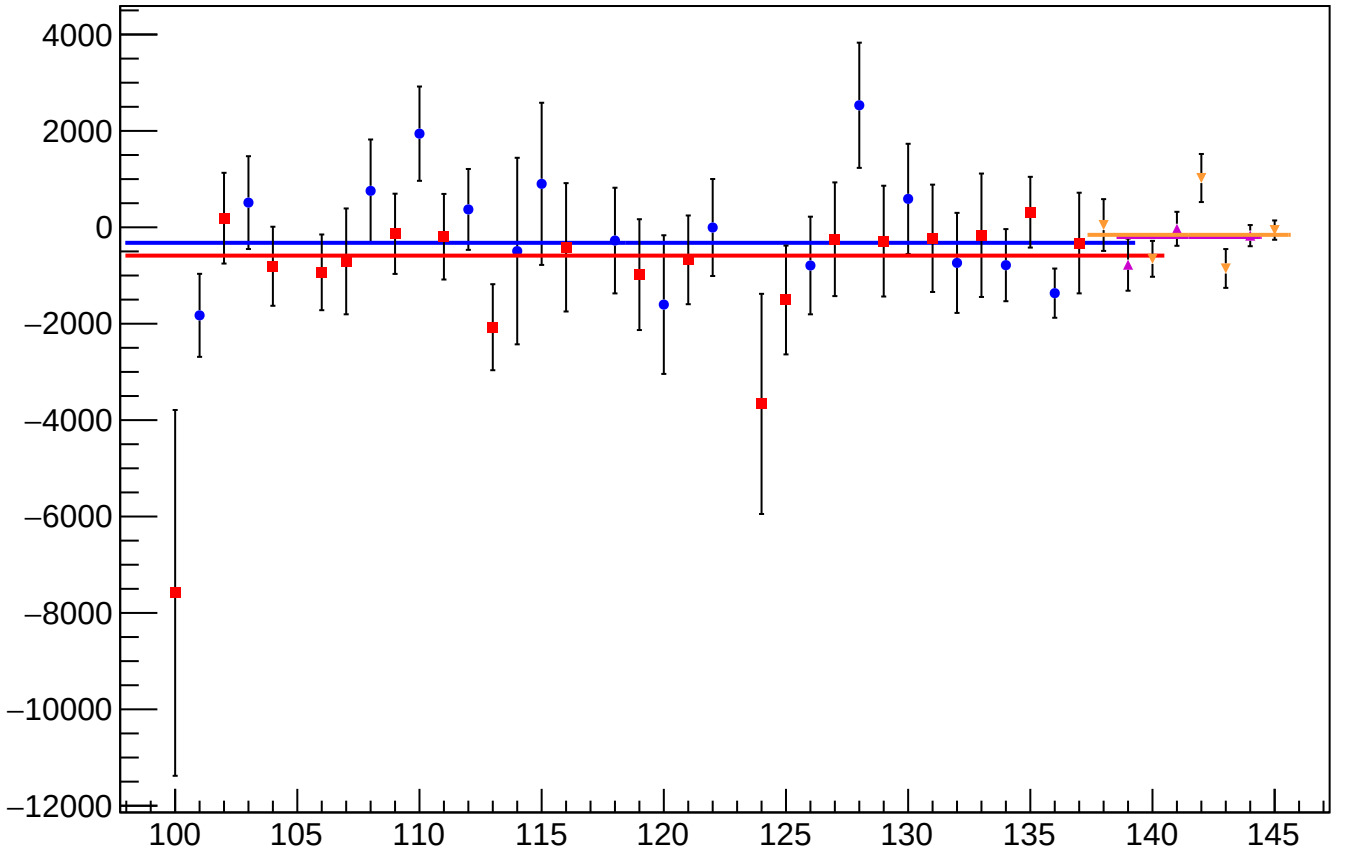
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 55.261+/-0.025 χ^2/NDF:188222.3/2

+ sign 58.776+/-0.013 χ^2/NDF: 1077480.3/20

All: 59.760+/-0.010 χ^2/NDF: 2187353.4/42

- sign 60.915+/-0.014 χ^2/NDF: 1097532.5/21



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -156.276+/-147.778 χ^2/NDF:10.8/4

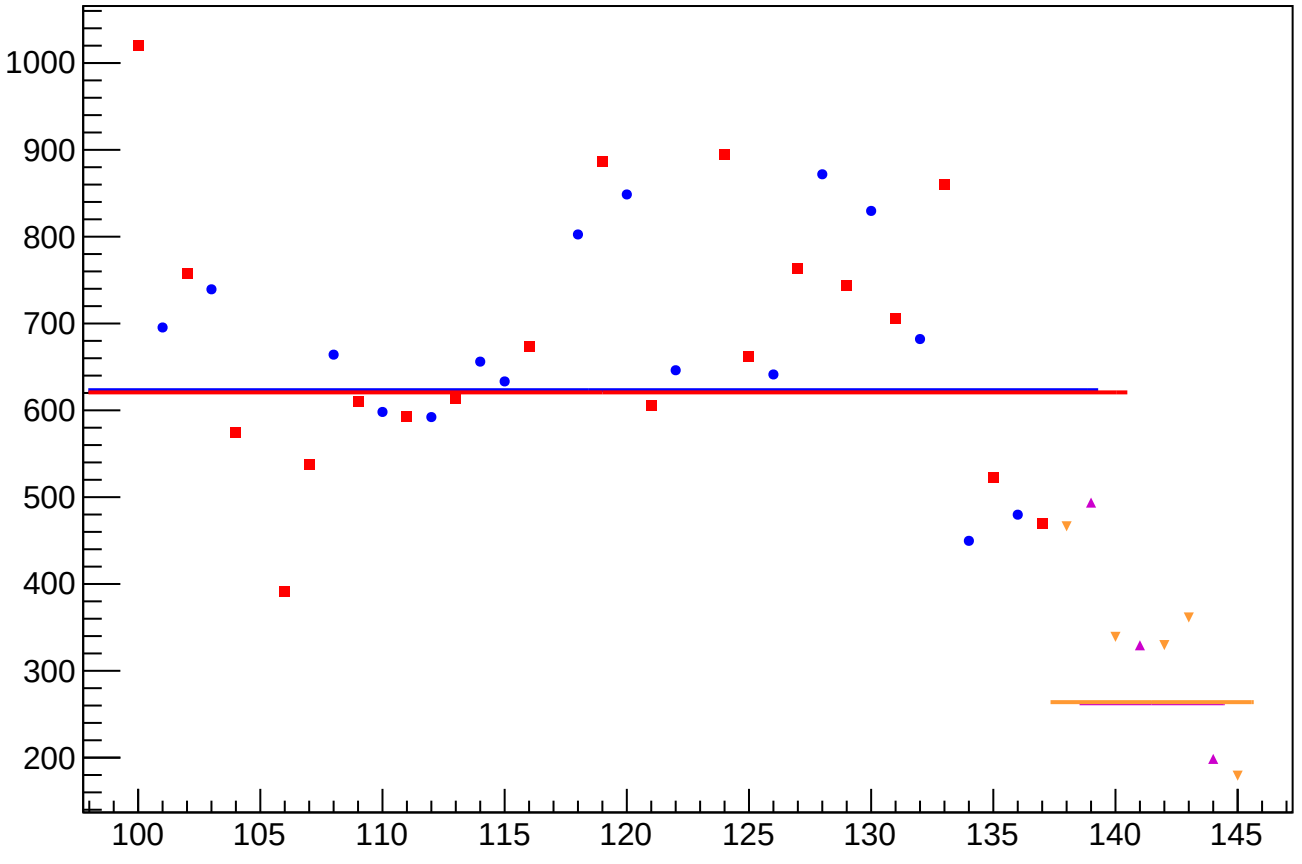
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -201.145+/-176.236 χ^2/NDF:1.4/2

+ sign -202.161+/-125.616 χ^2/NDF: 33.8/20

All: -263.616+/-93.732 χ^2/NDF: 49.6/42

- sign -340.818+/-140.794 χ^2/NDF: 15.3/21



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

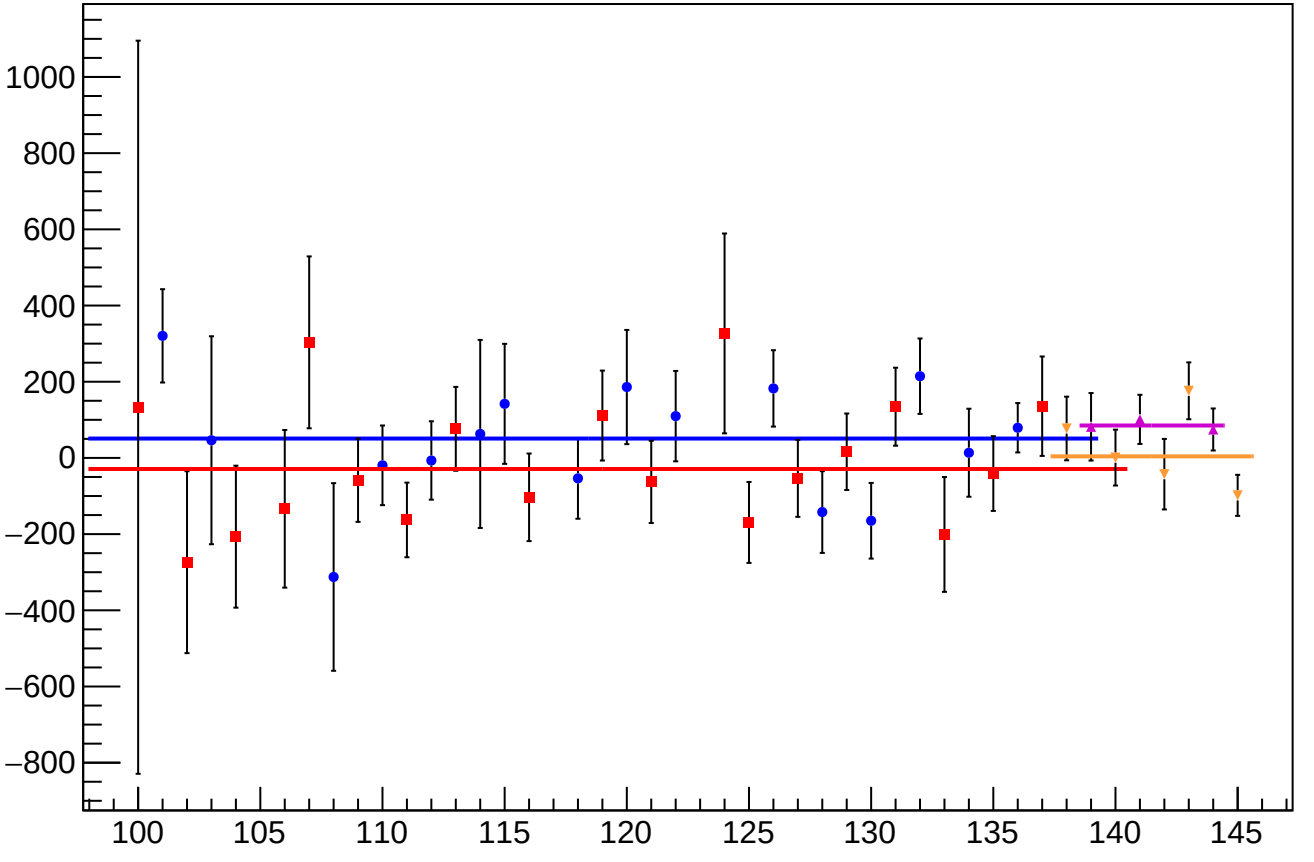
Left In: 262.627+/-0.125 χ^2/NDF:607403.7/2

+ sign 363.589+/-0.089 χ^2/NDF: 4720520.7/20

All: 376.251+/-0.066 χ^2/NDF: 8970743.4/42

- sign 392.159+/-0.100 χ^2/NDF: 4204370.0/21

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

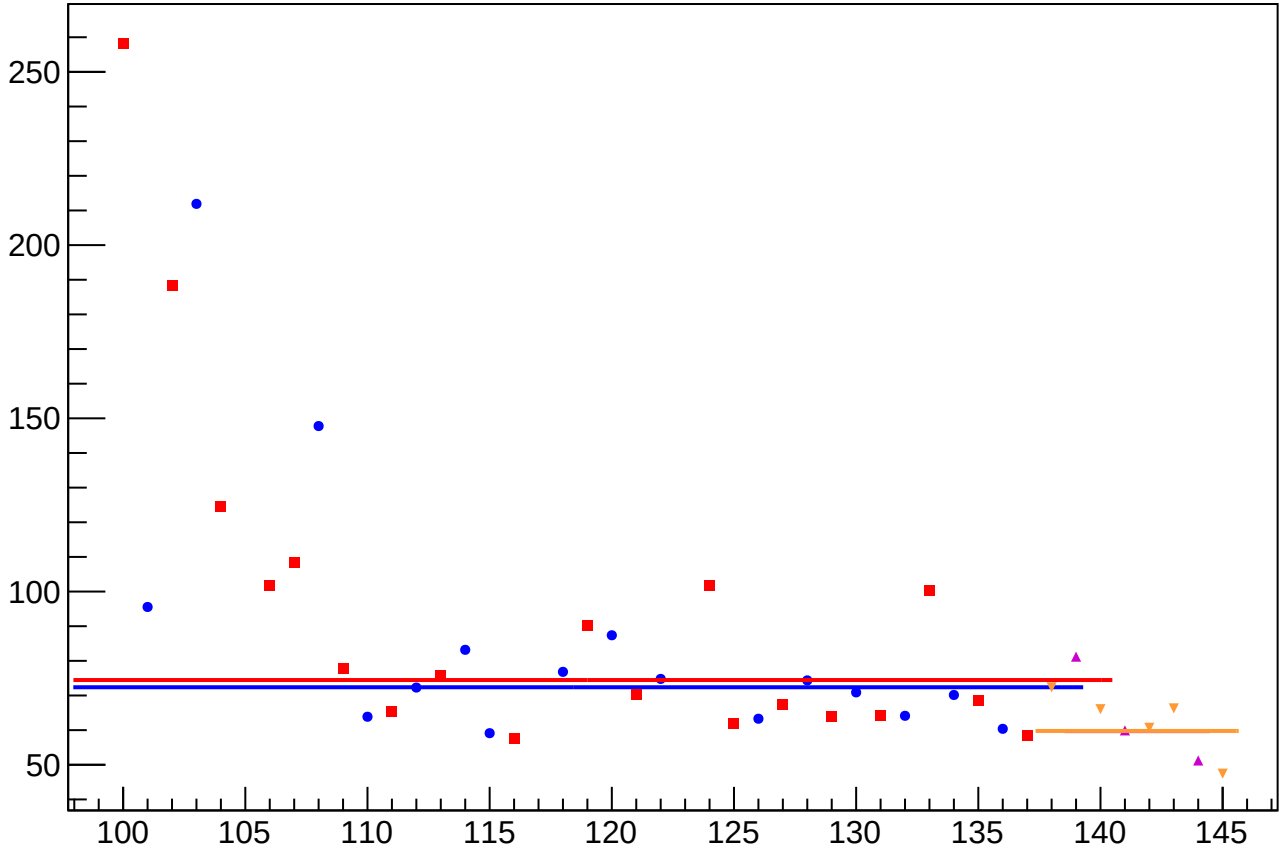
Left In: 85.118+/-37.876 χ^2/NDF:0.1/2

+ sign 30.409+/-21.237 χ^2/NDF: 34.0/20

All: 22.382+/-15.597 χ^2/NDF: 58.7/42

- sign 12.984+/-22.981 χ^2/NDF: 24.3/21

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

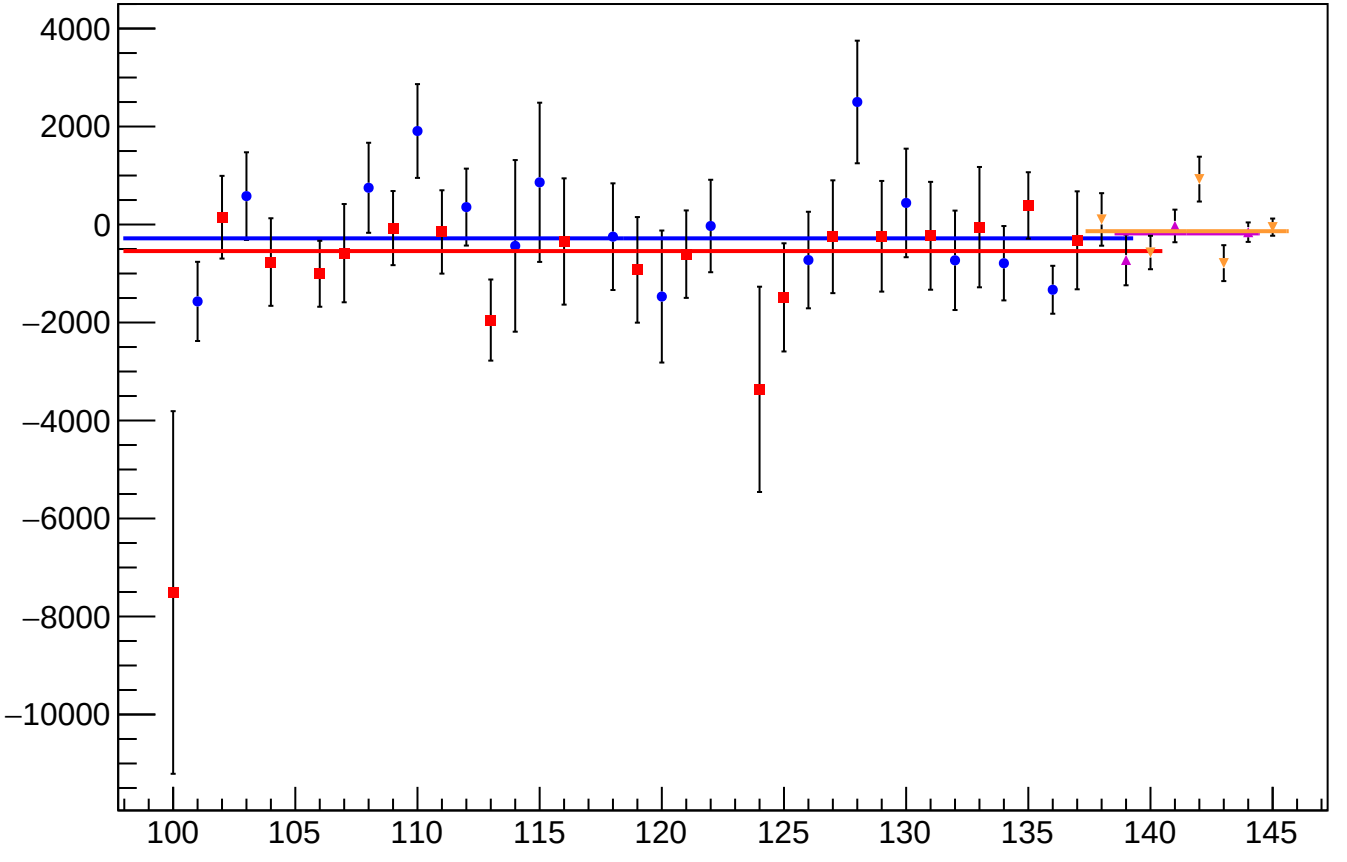
Left In: 59.719+/-0.027 χ^2/NDF:165084.1/2

+ sign 66.860+/-0.015 χ^2/NDF: 1292030.6/20

All: 67.862+/-0.011 χ^2/NDF: 2710586.1/42

- sign 69.036+/-0.016 χ^2/NDF: 1408887.8/21

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

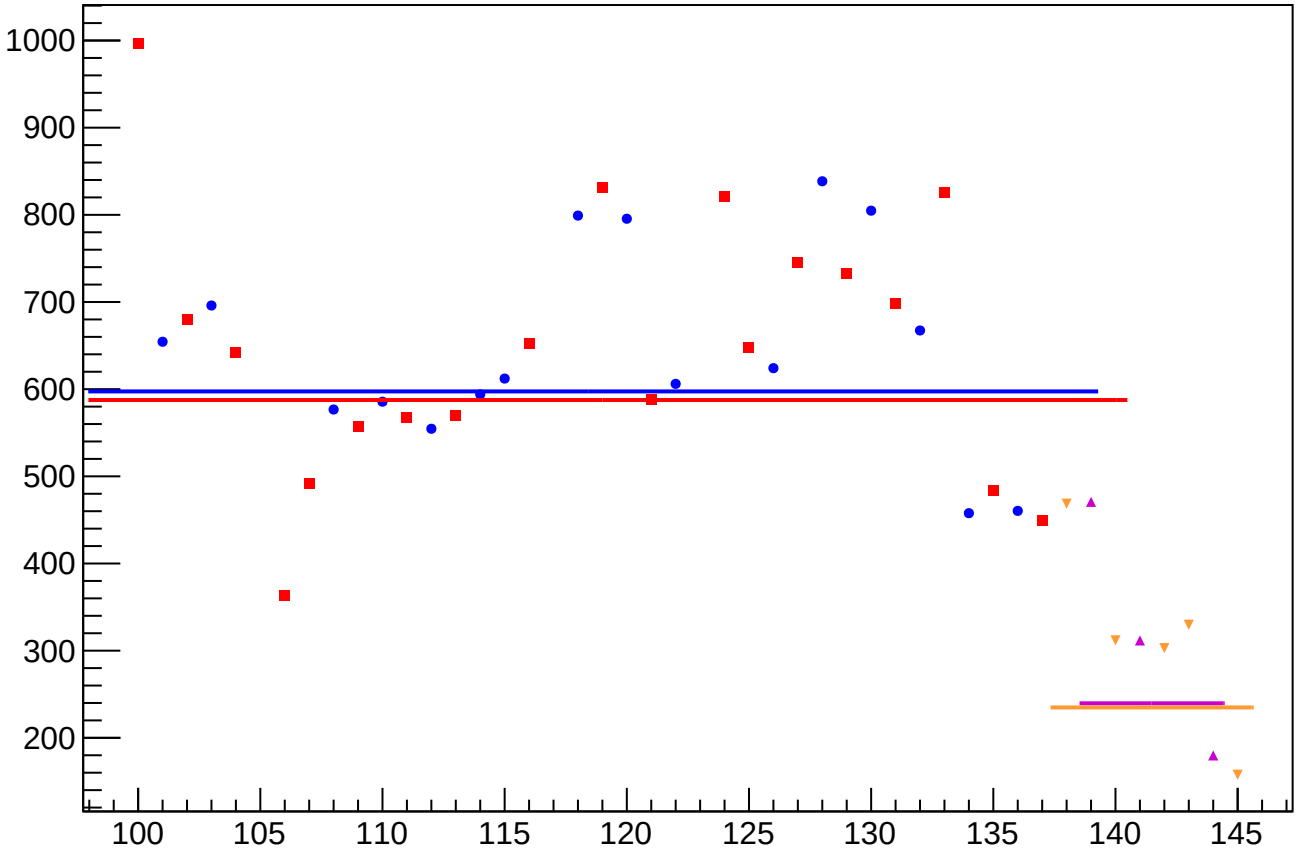
Left In: -181.473+/-161.986 χ^2/NDF:1.3/2

+ sign -173.109+/-114.671 χ^2/NDF: 33.7/20

All: -231.621+/-86.177 χ^2/NDF: 50.6/42

- sign -307.553+/-130.629 χ^2/NDF: 16.3/21

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

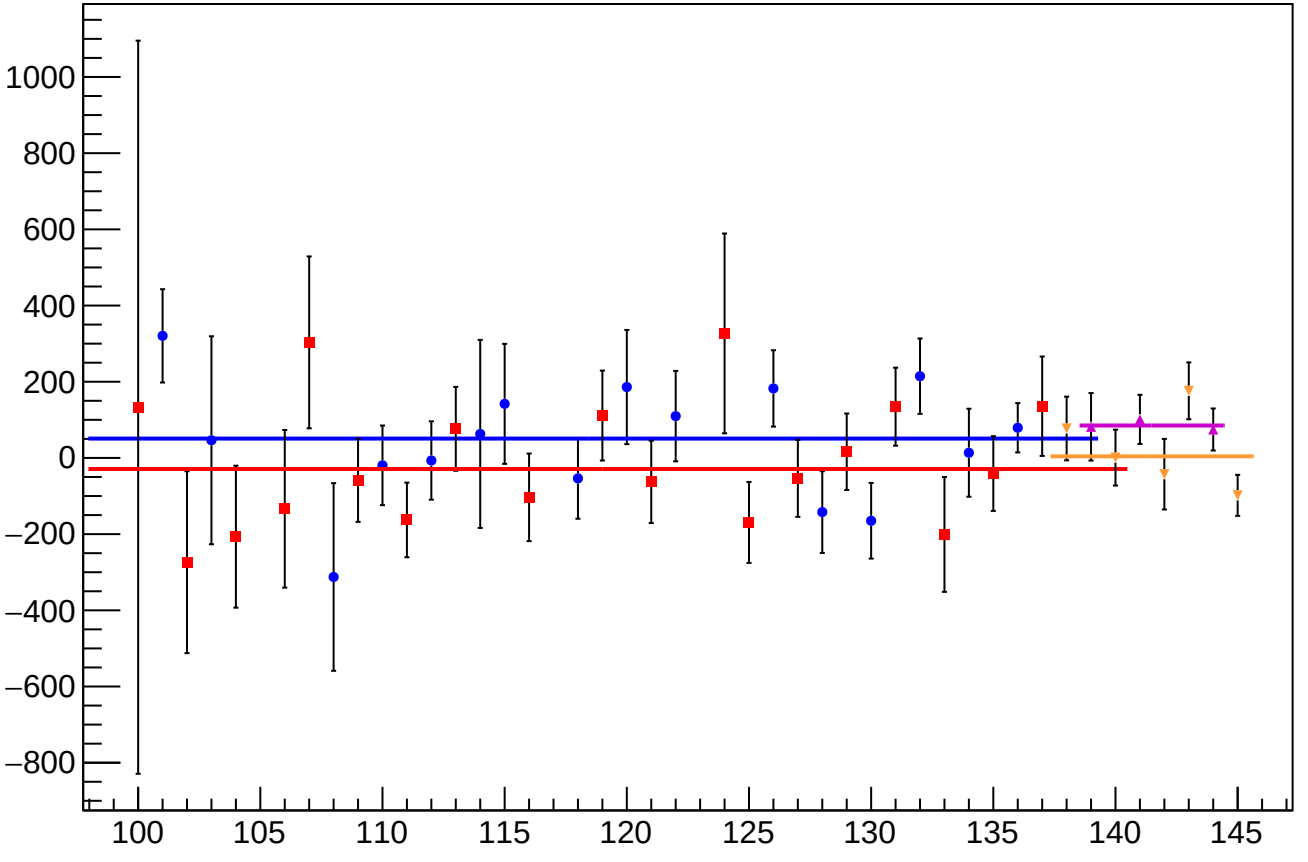
Left In: 239.611+/-0.115 χ^2/NDF:674798.1/2

+ sign 326.746+/-0.081 χ^2/NDF: 5364062.9/20

All: 341.778+/-0.061 χ^2/NDF: 10033811.1/42

- sign 361.284+/-0.092 χ^2/NDF: 4590785.1/21

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

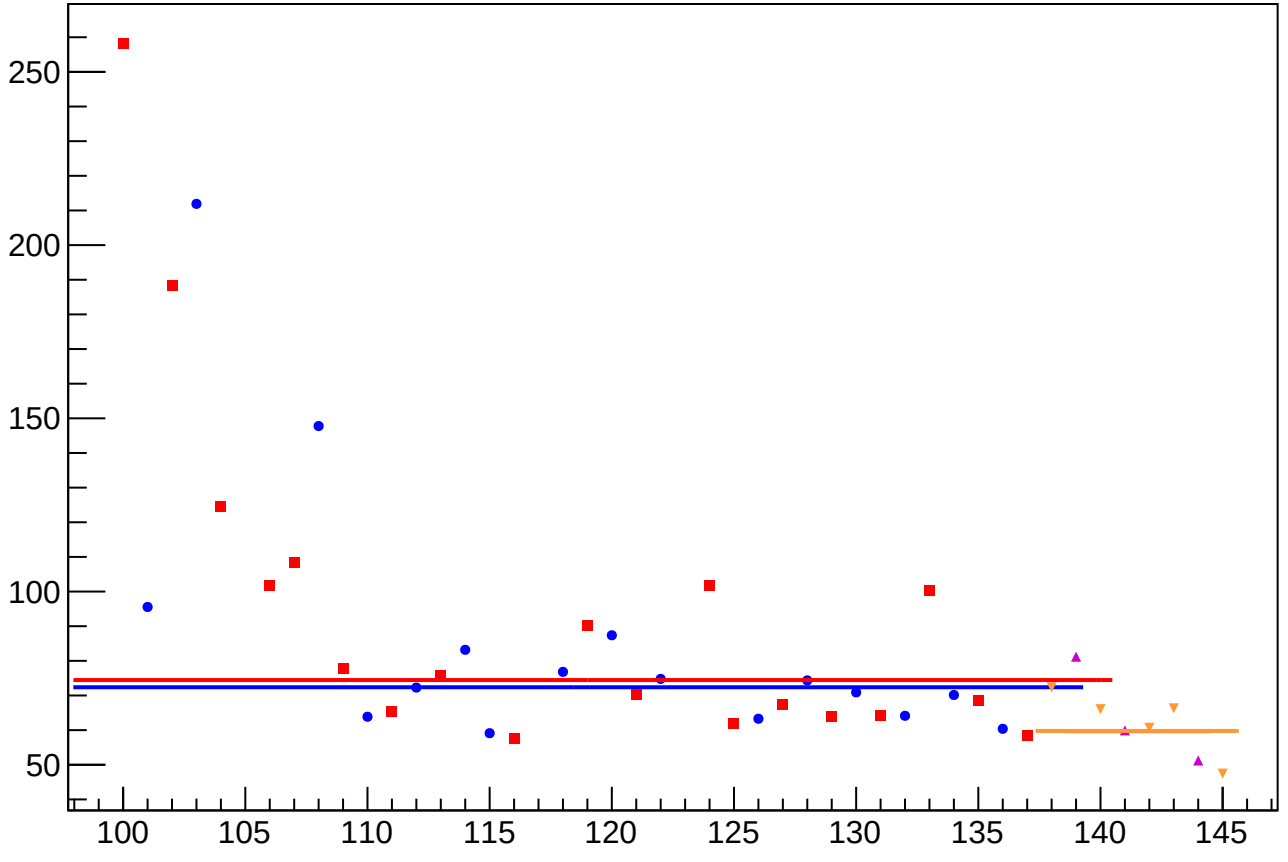
Left In: 85.117+/-37.876 χ^2/NDF:0.1/2

+ sign 30.409+/-21.237 χ^2/NDF: 34.0/20

All: 22.382+/-15.597 χ^2/NDF: 58.7/42

- sign 12.984+/-22.981 χ^2/NDF: 24.3/21

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

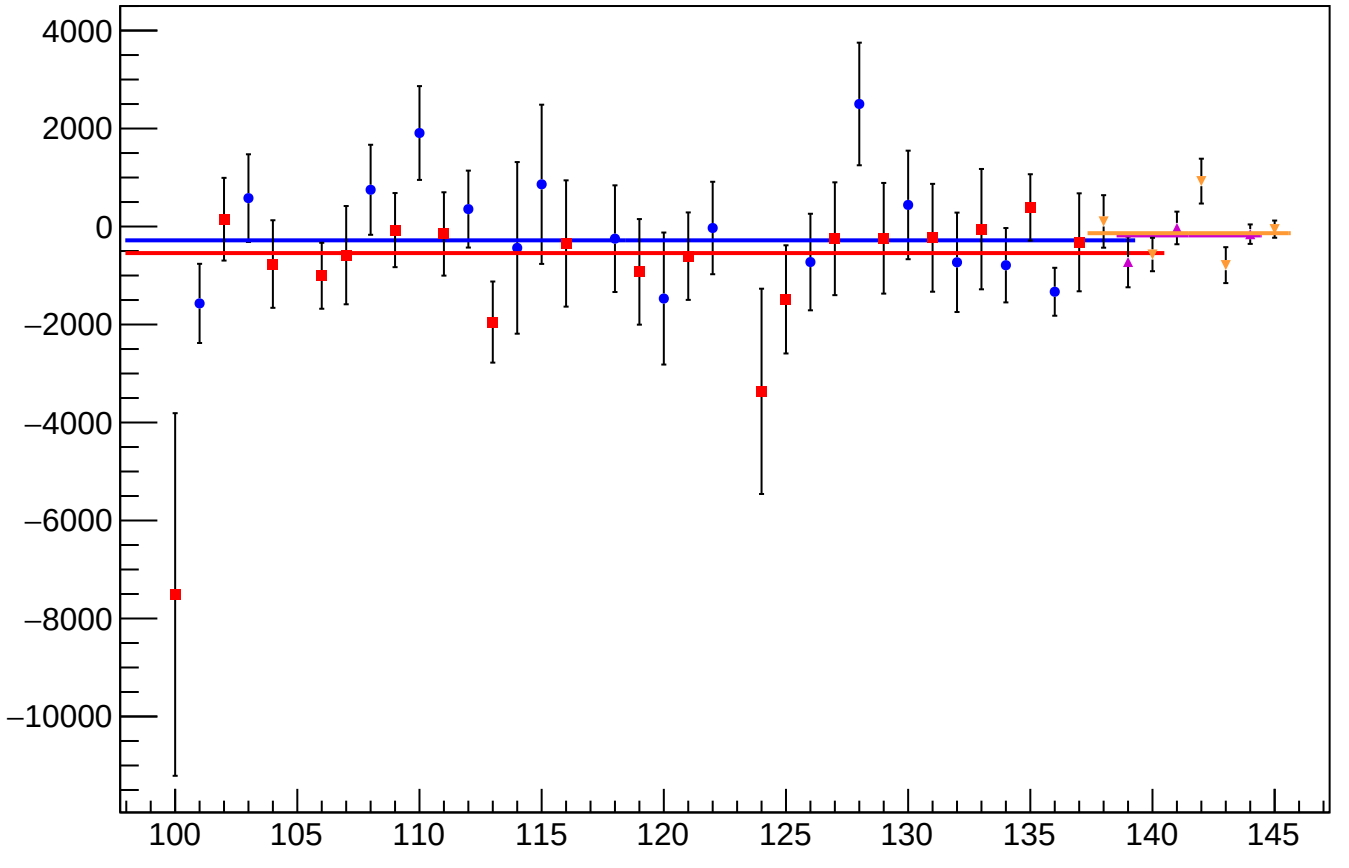
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 59.719+/-0.027 χ^2/NDF:165085.0/2

+ sign 66.860+/-0.015 χ^2/NDF: 1292038.2/20

All: 67.862+/-0.011 χ^2/NDF: 2710589.9/42

- sign 69.036+/-0.016 χ^2/NDF: 1408884.2/21



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

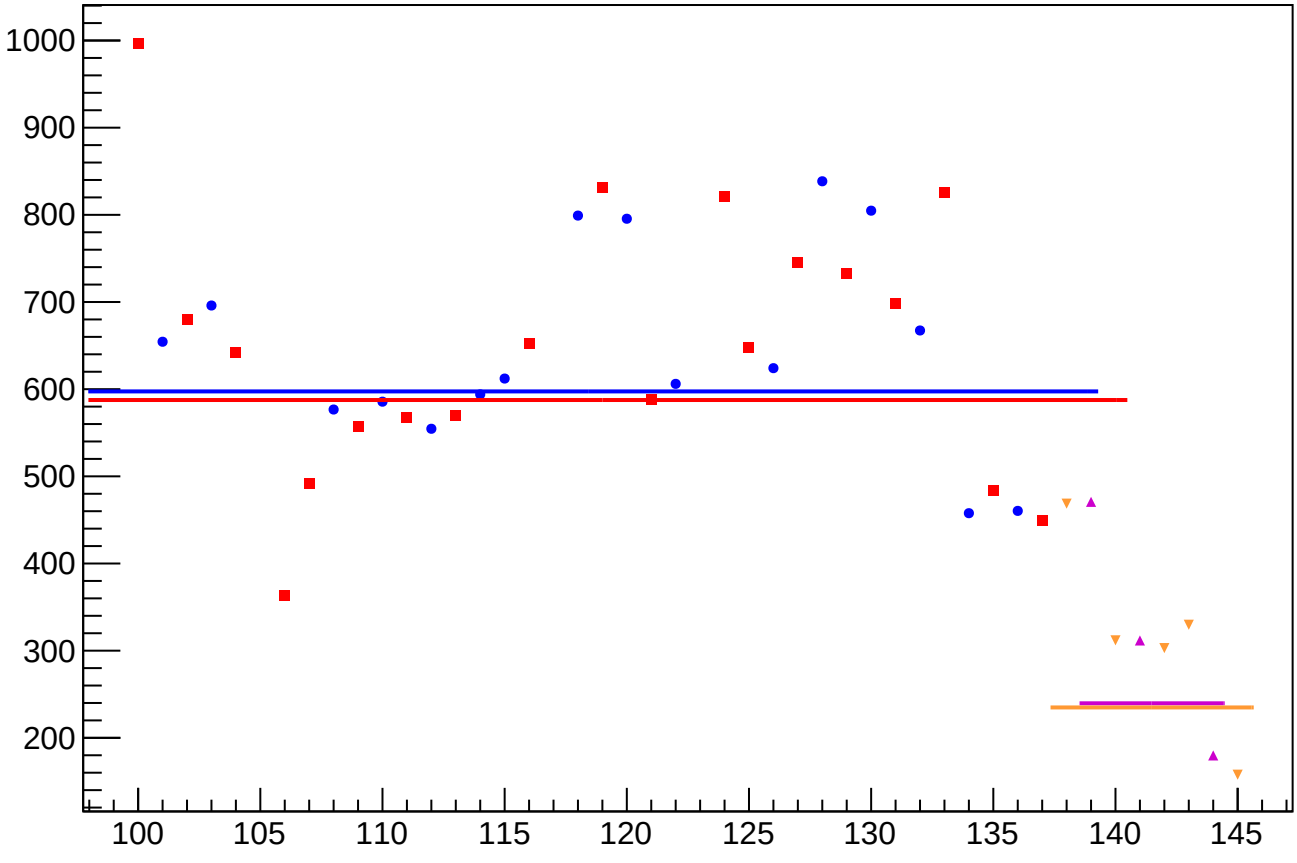
Left In: -181.473+/-161.986 χ^2/NDF:1.3/2

\+ sign -173.109+/-114.671 χ^2/NDF: 33.7/20

All: -231.621+/-86.177 χ^2/NDF: 50.6/42

\- sign -307.553+/-130.629 χ^2/NDF: 16.3/21

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



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

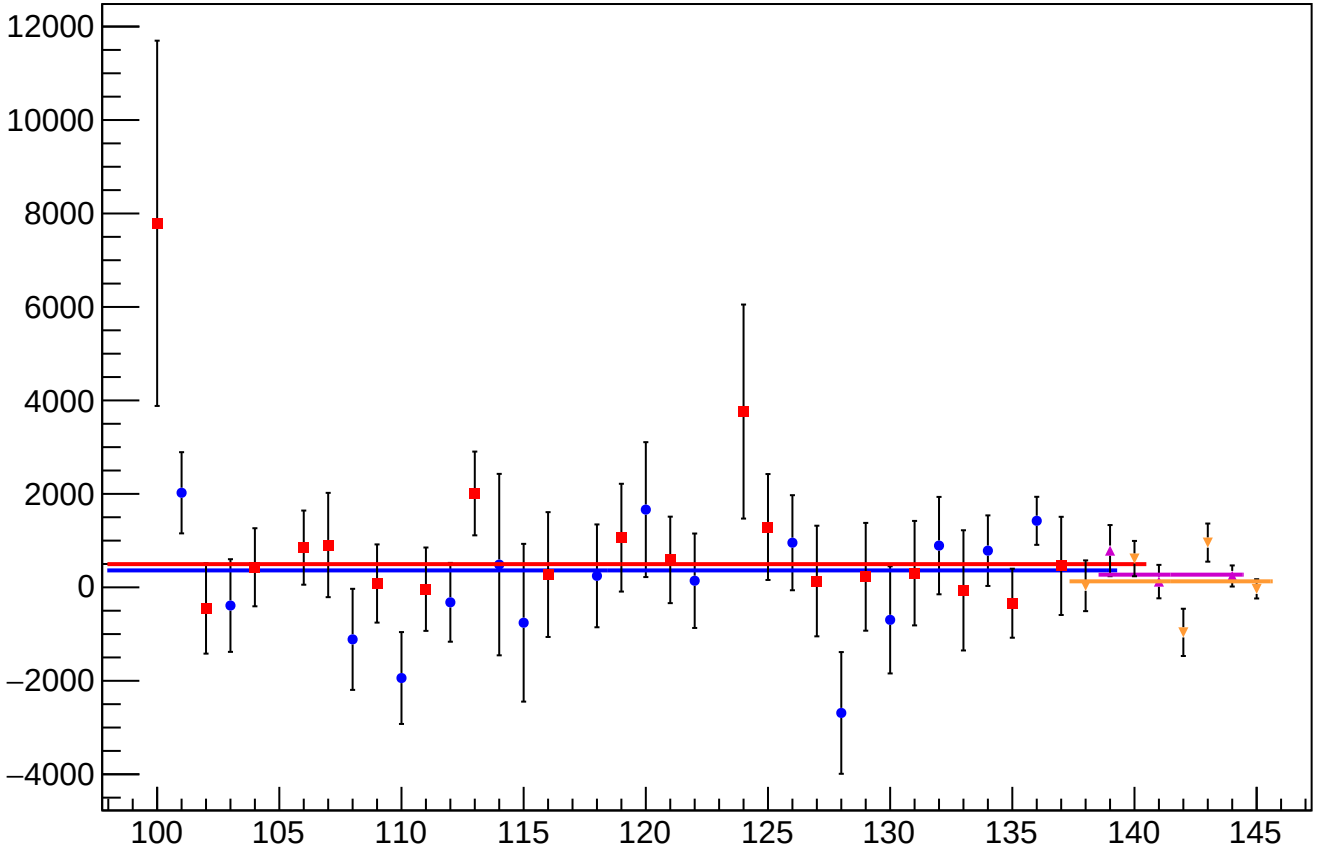
Left In: 239.611+/-0.115 χ^2/NDF:674796.3/2

+ sign 326.746+/-0.081 χ^2/NDF: 5364062.0/20

All: 341.778+/-0.061 χ^2/NDF: 10033796.0/42

- sign 361.285+/-0.092 χ^2/NDF: 4590769.7/21

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

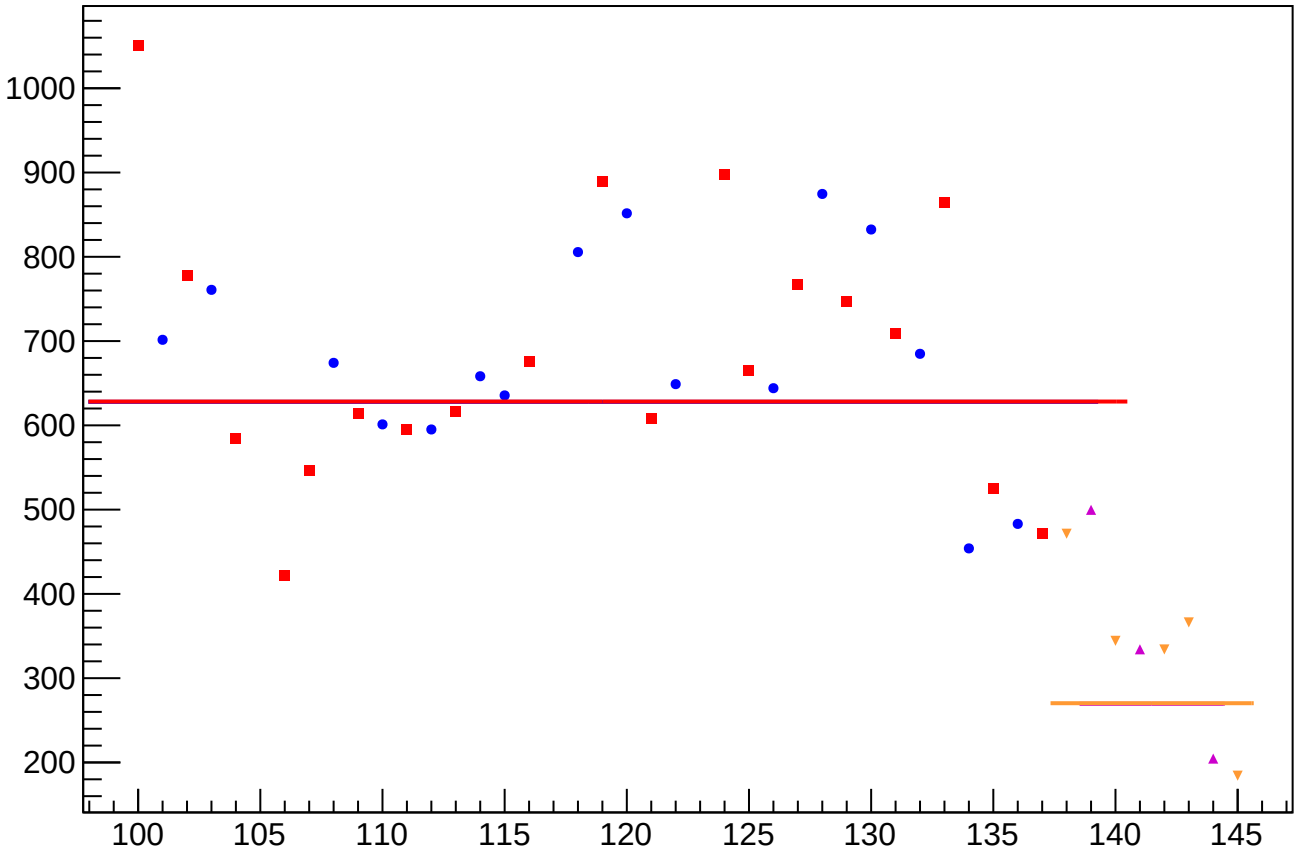
Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: 271.575+/-180.306 χ^2/NDF:1.1/2

+ sign 194.893+/-127.832 χ^2/NDF: 36.8/20

All: 265.637+/-95.387 χ^2/NDF: 51.9/42

- sign 354.515+/-143.282 χ^2/NDF: 14.3/21



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 270.298+/-0.107 χ^2/NDF:841856.8/4

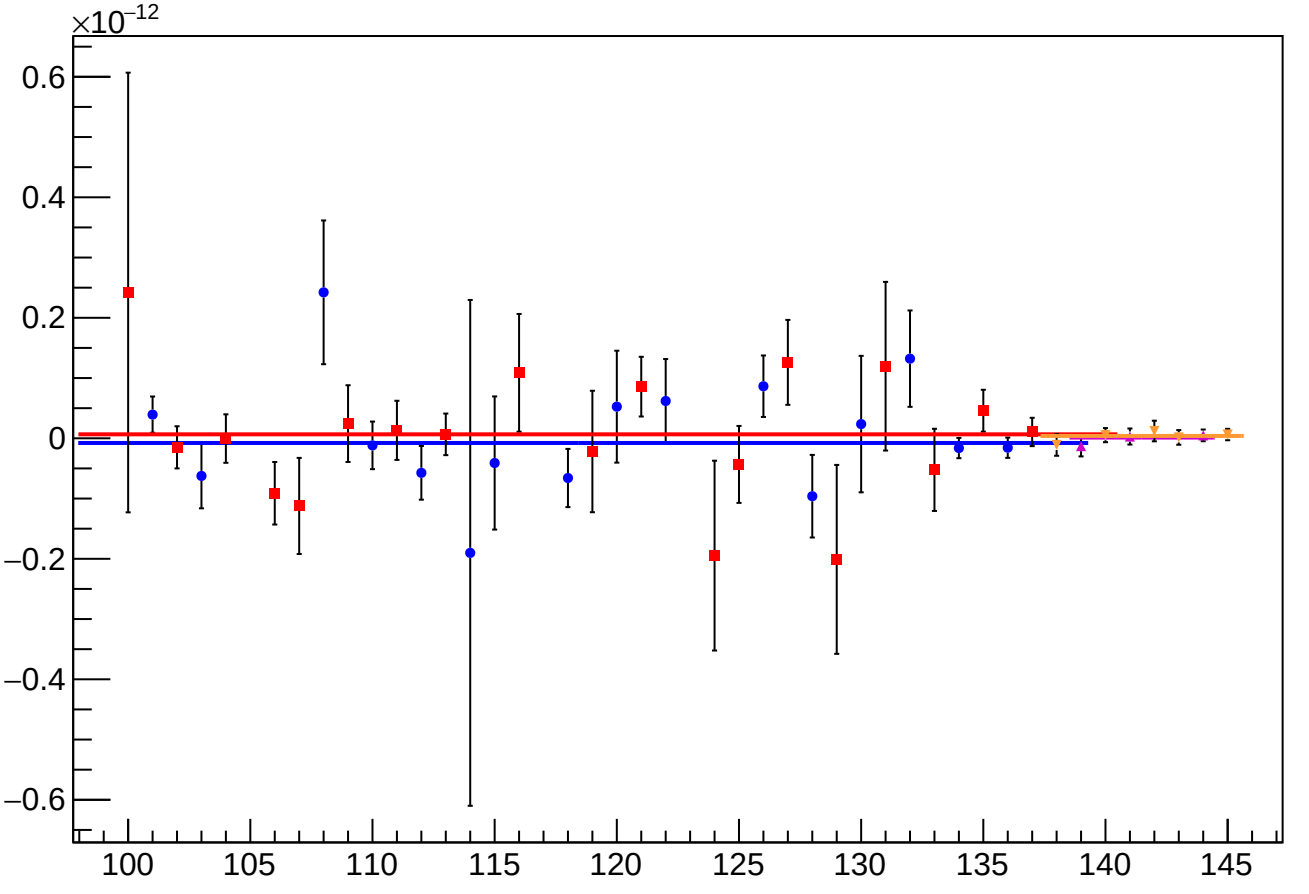
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 269.584+/-0.127 χ^2/NDF:585007.6/2

+ sign 371.491+/-0.090 χ^2/NDF: 4584303.7/20

All: 384.905+/-0.067 χ^2/NDF: 8706360.1/42

- sign 401.758+/-0.101 χ^2/NDF: 4072366.5/21



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/4

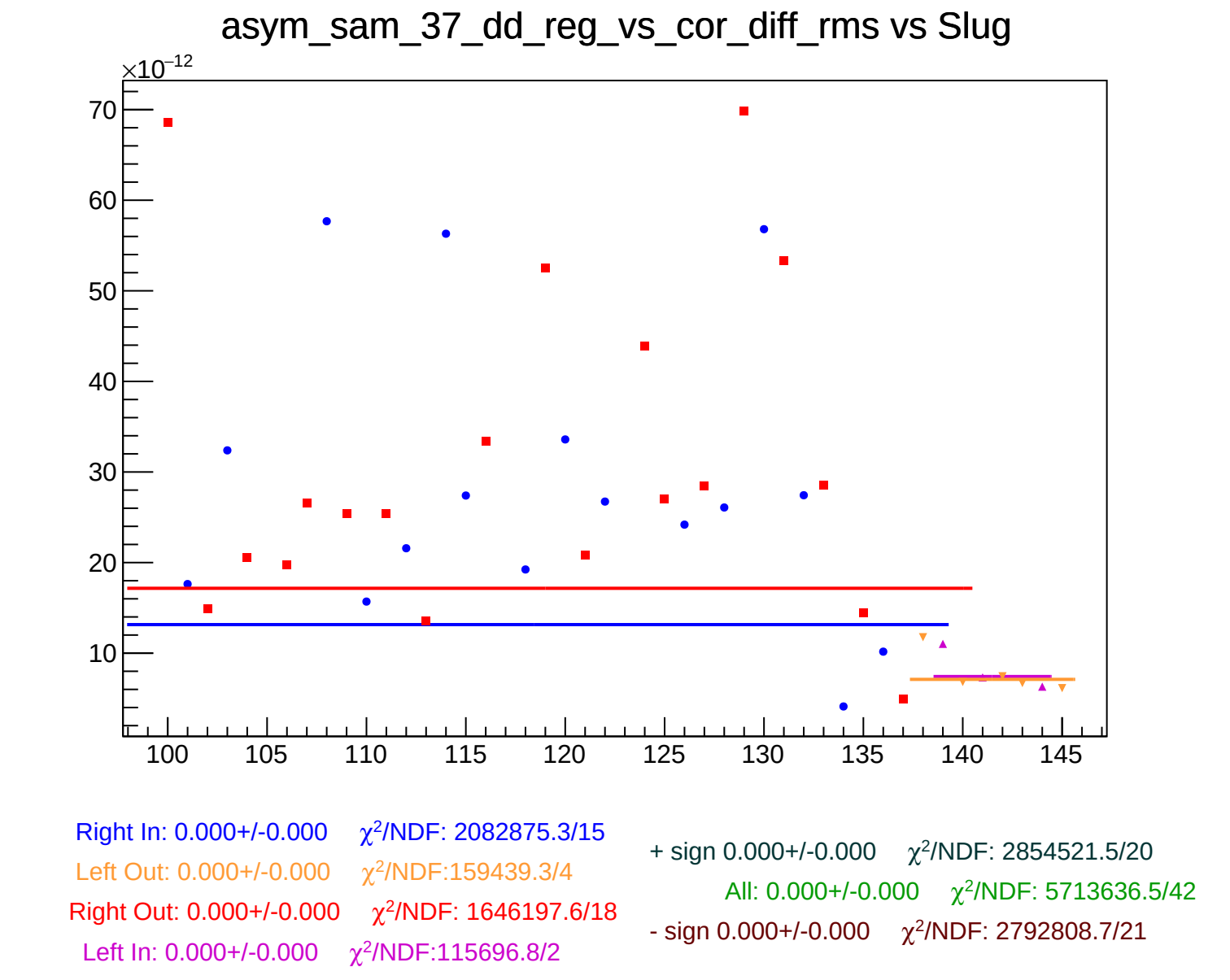
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/20

All: 0.000+/-0.000 χ^2/NDF: 44.2/42

- sign 0.000+/-0.000 χ^2/NDF: 21.0/21


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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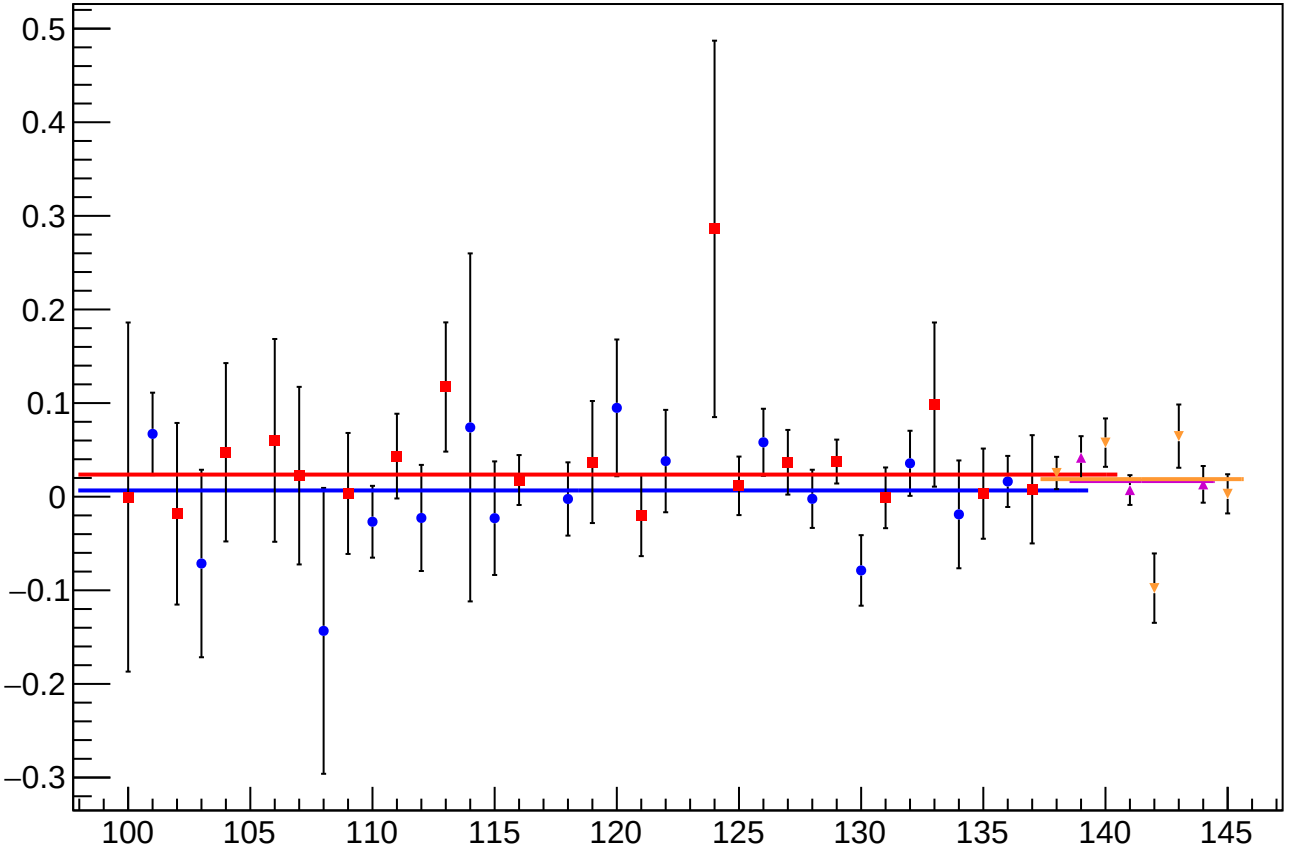
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:159439.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:115696.8/2
+ sign 0.000+/-0.000 χ²/NDF: 2854521.5/20
All: 0.000+/-0.000 χ²/NDF: 5713636.5/42
- sign 0.000+/-0.000 χ²/NDF: 2792808.7/21

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

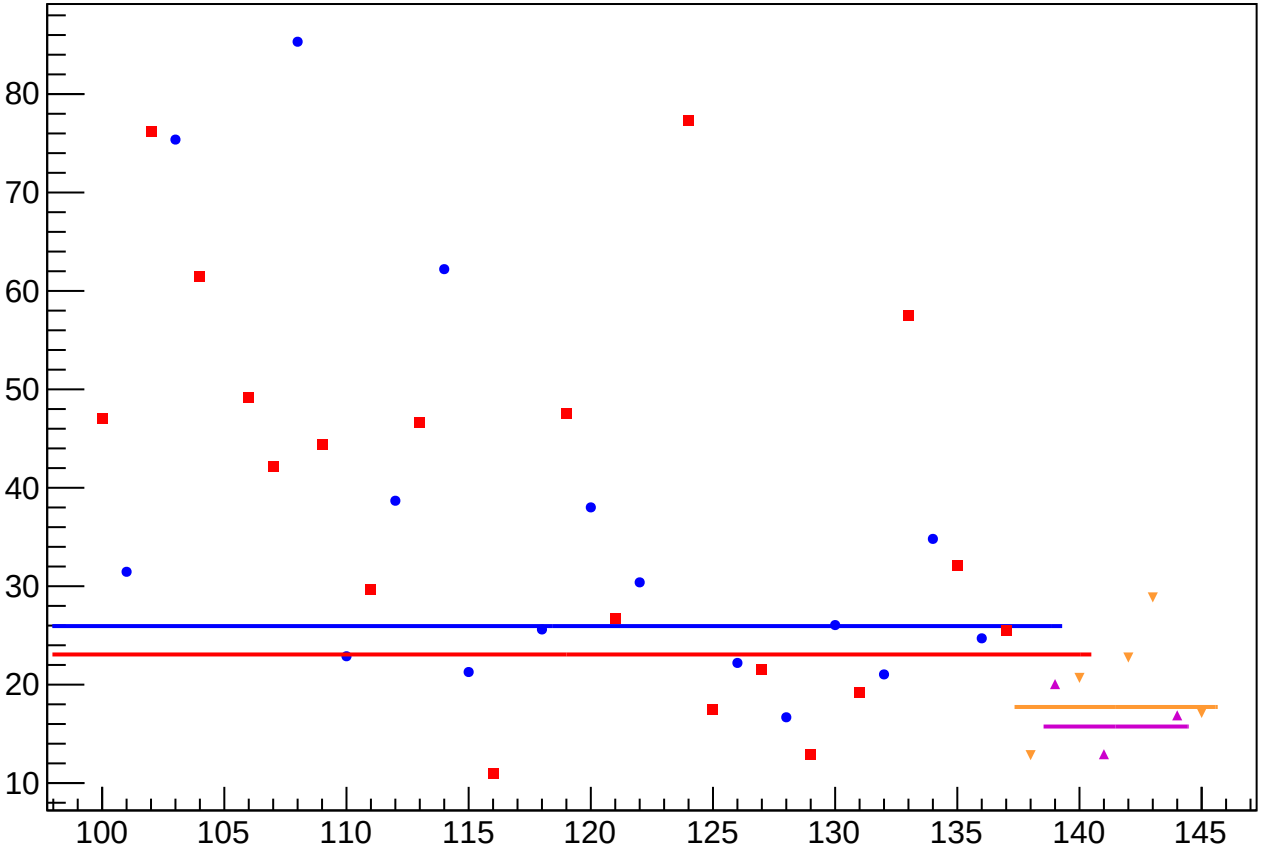
Left In: 0.017+/-0.011 χ^2/NDF:1.6/2

+ sign 0.013+/-0.008 χ^2/NDF: 30.3/20

All: 0.017+/-0.005 χ^2/NDF: 40.1/42

- sign 0.020+/-0.008 χ^2/NDF: 9.3/21

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

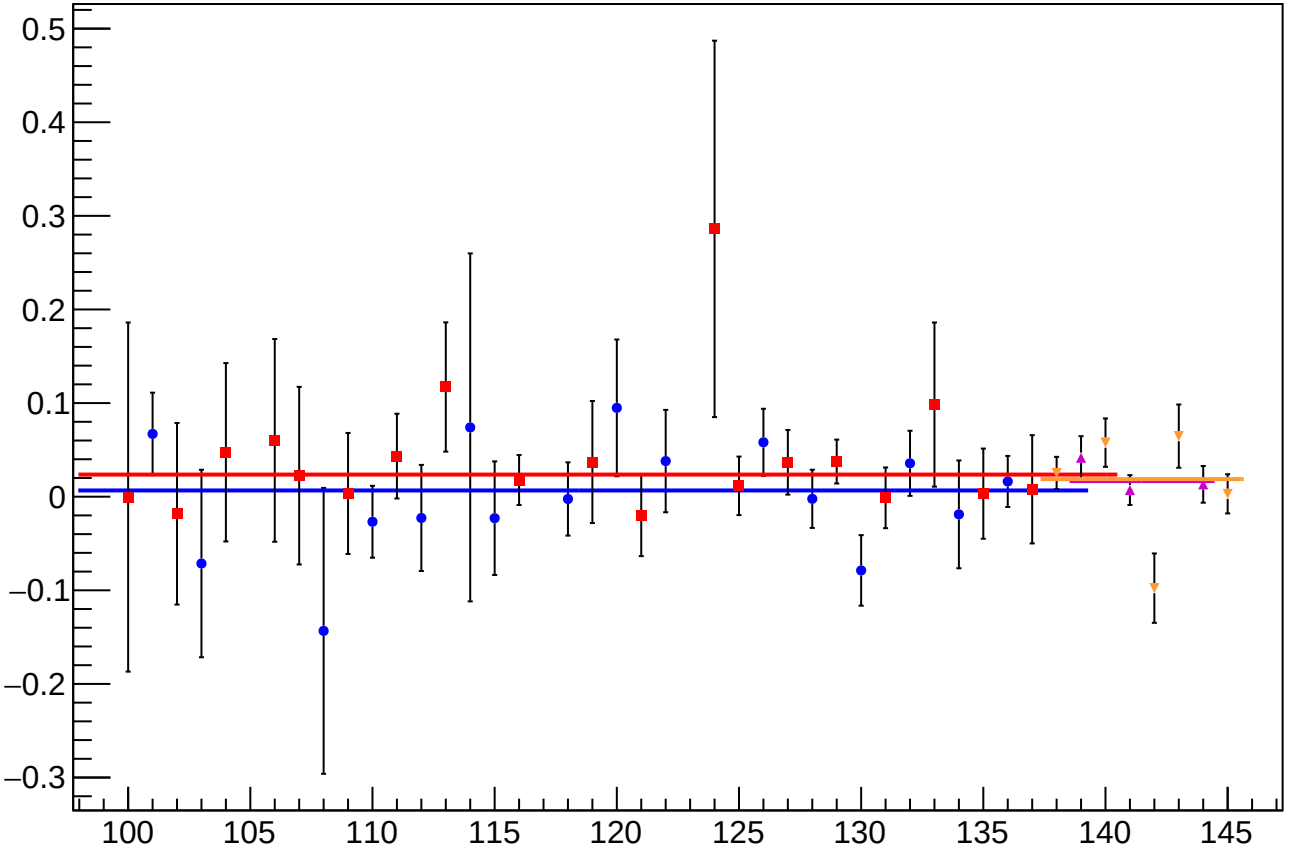
Left In: 15.744+/-0.008 χ^2/NDF:139502.8/2

+ sign 21.686+/-0.005 χ^2/NDF: 2393078.6/20

All: 20.590+/-0.004 χ^2/NDF: 6441906.6/42

- sign 19.534+/-0.005 χ^2/NDF: 3969211.3/21

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

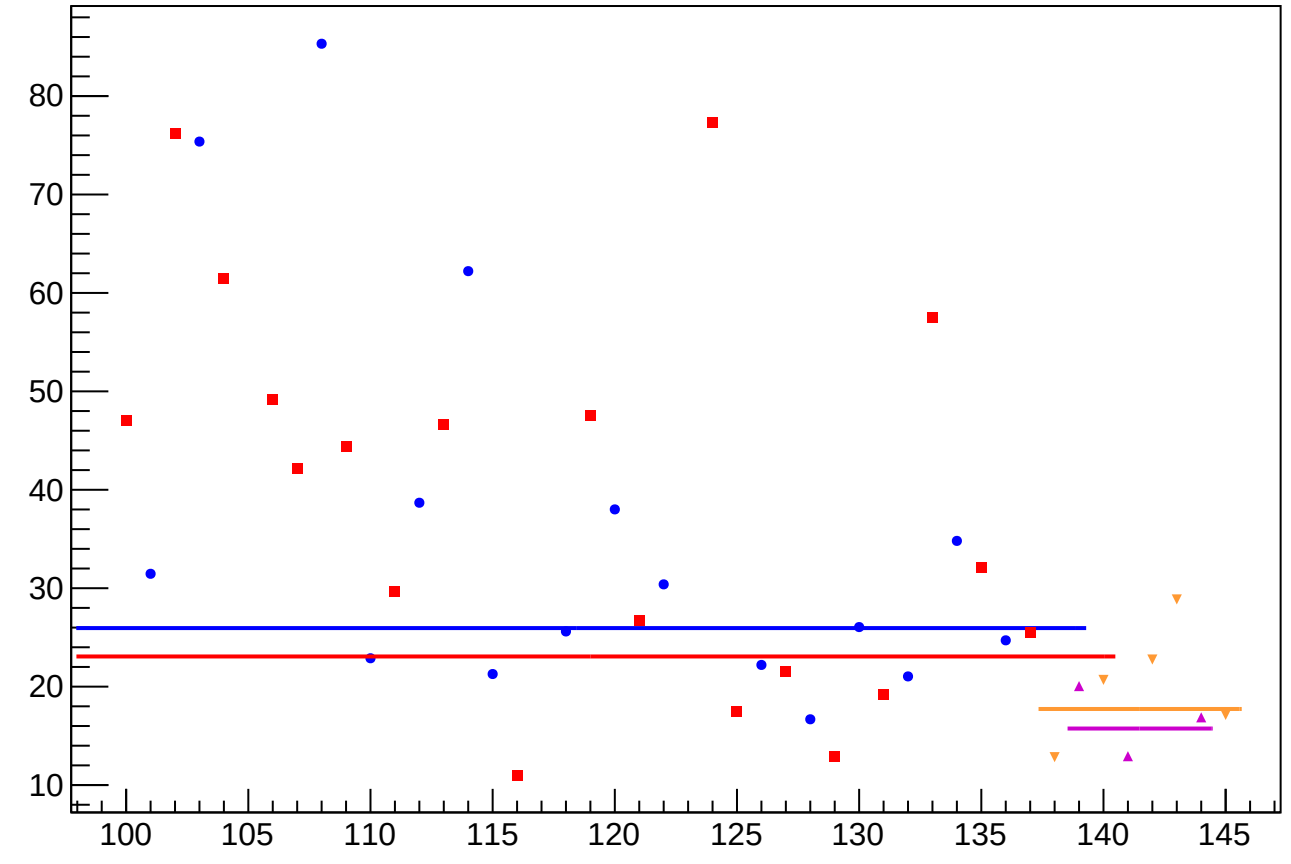
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.017+/-0.011 χ^2/NDF:1.6/2

+ sign 0.013+/-0.008 χ^2/NDF: 30.3/20

All: 0.017+/-0.005 χ^2/NDF: 40.1/42

- sign 0.020+/-0.008 χ^2/NDF: 9.3/21



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.730+/-0.008 χ^2/NDF:442713.5/4

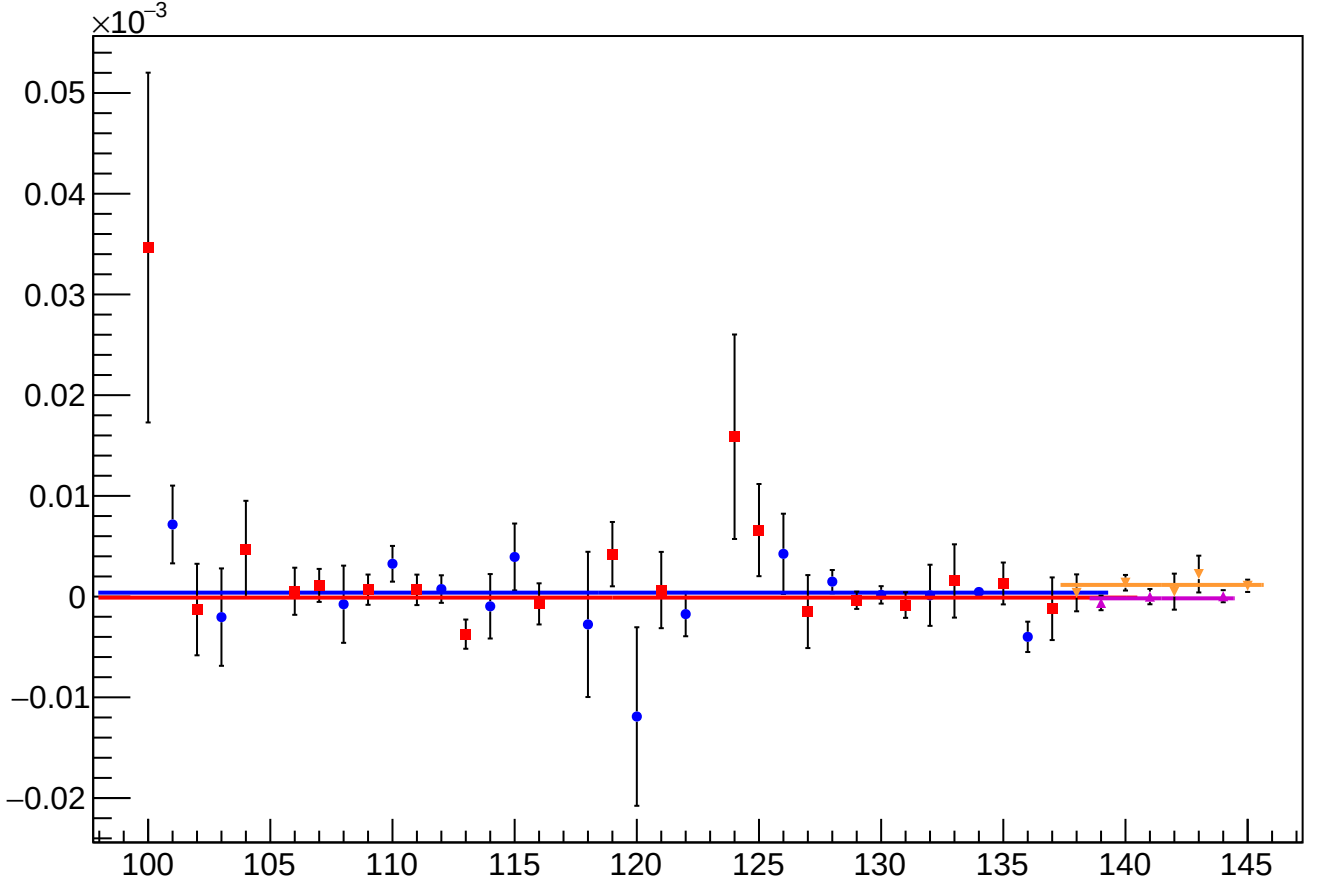
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.744+/-0.008 χ^2/NDF:139502.8/2

+ sign 21.686+/-0.005 χ^2/NDF: 2393078.6/20

All: 20.590+/-0.004 χ^2/NDF: 6441906.6/42

- sign 19.534+/-0.005 χ^2/NDF: 3969211.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/4

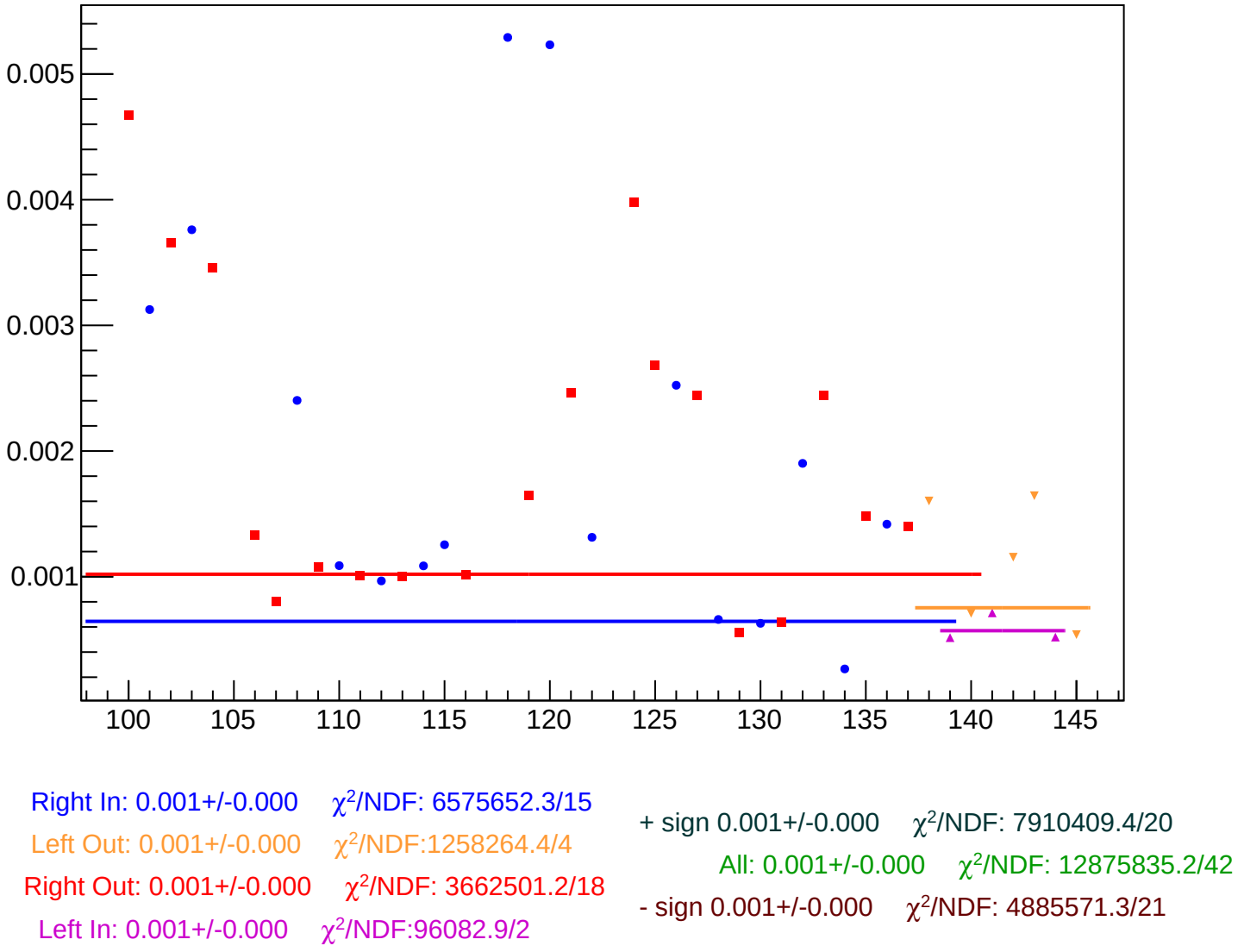
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/20

All: 0.000+/-0.000 χ^2/NDF: 48.8/42

- sign -0.000+/-0.000 χ^2/NDF: 21.0/21


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
105
110
115
120
125
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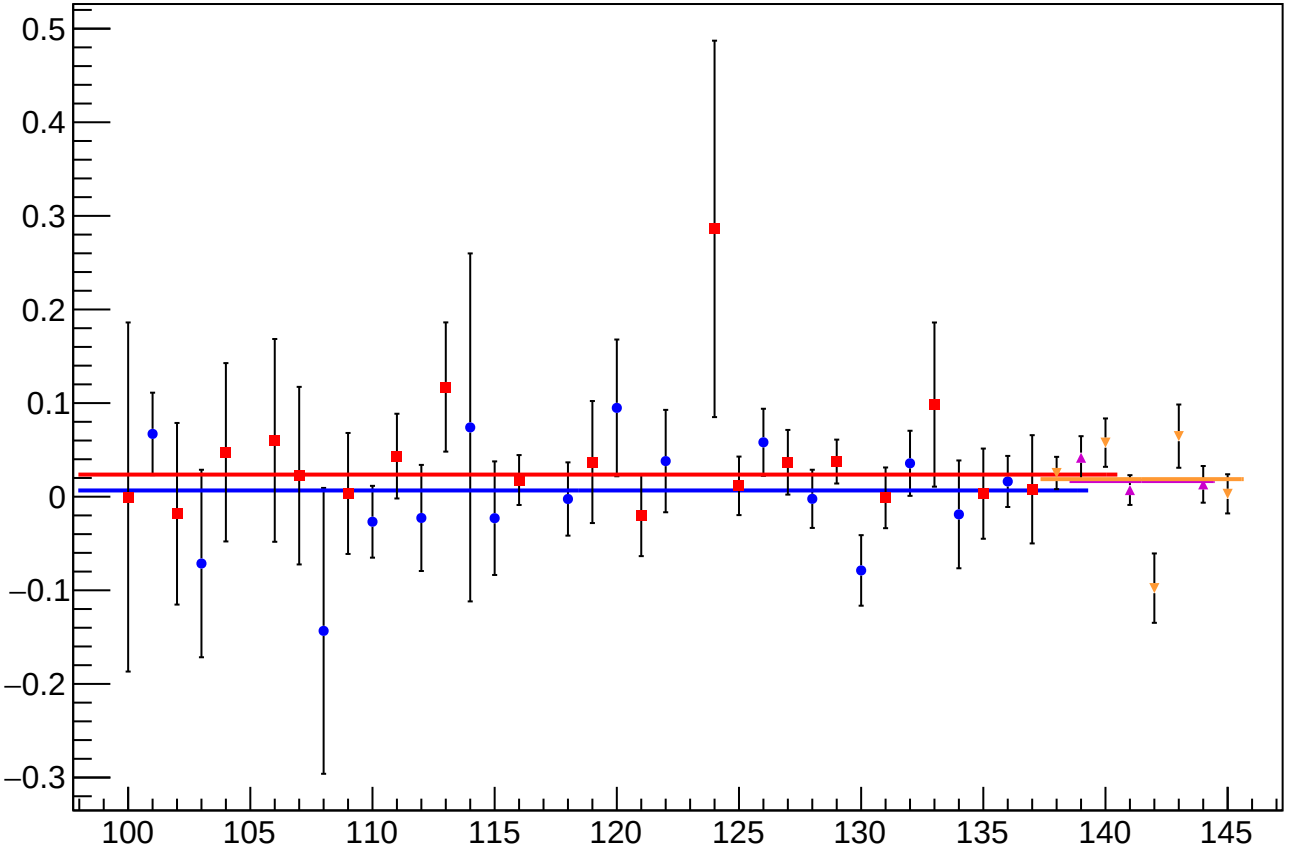
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.001+/-0.000 χ²/NDF:1258264.4/4
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.001+/-0.000 χ²/NDF:96082.9/2
+ sign 0.001+/-0.000 χ²/NDF: 7910409.4/20
All: 0.001+/-0.000 χ²/NDF: 12875835.2/42
- sign 0.001+/-0.000 χ²/NDF: 4885571.3/21

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

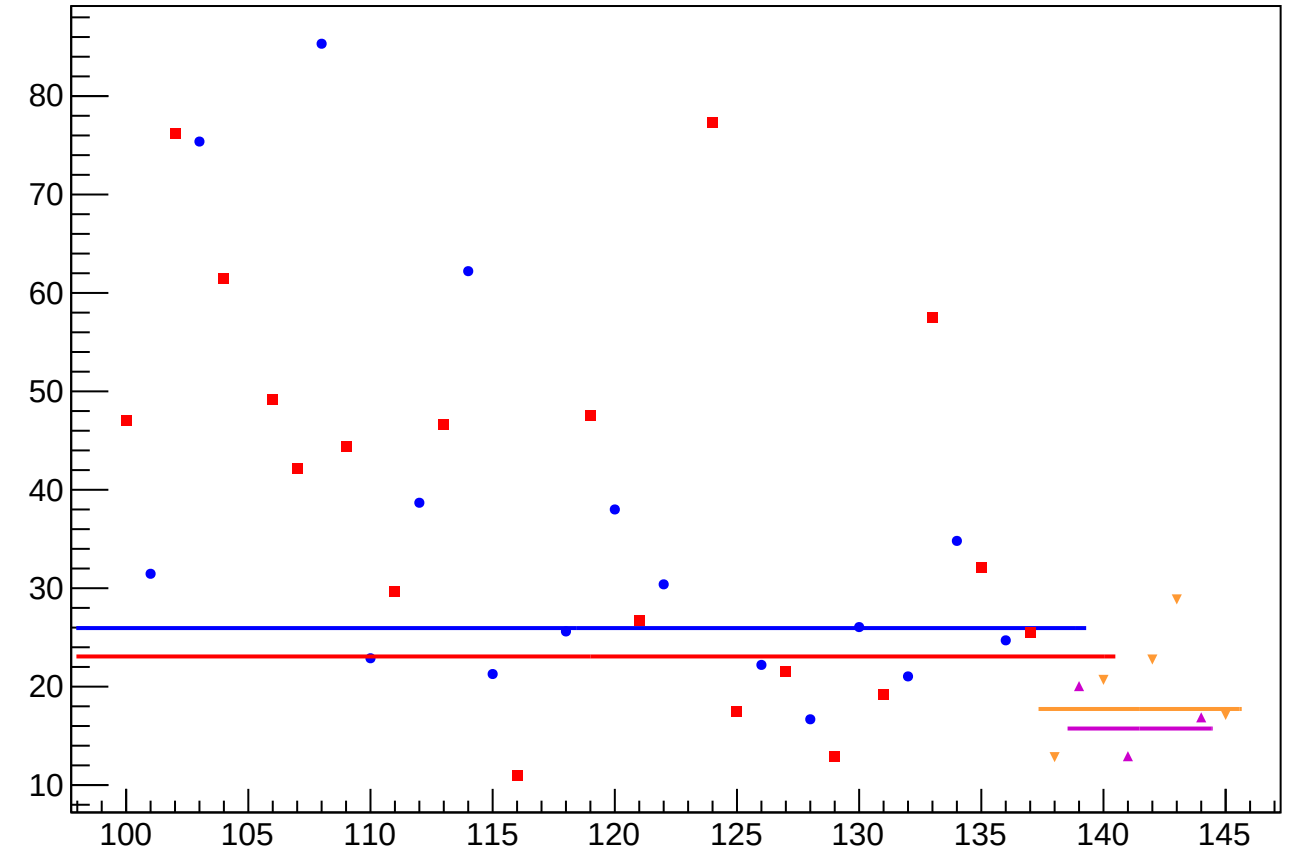
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.017+/-0.011 χ^2/NDF:1.6/2

+ sign 0.013+/-0.008 χ^2/NDF: 30.3/20

All: 0.017+/-0.005 χ^2/NDF: 40.1/42

- sign 0.020+/-0.008 χ^2/NDF: 9.3/21



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.731+/-0.008 χ^2/NDF:442703.9/4

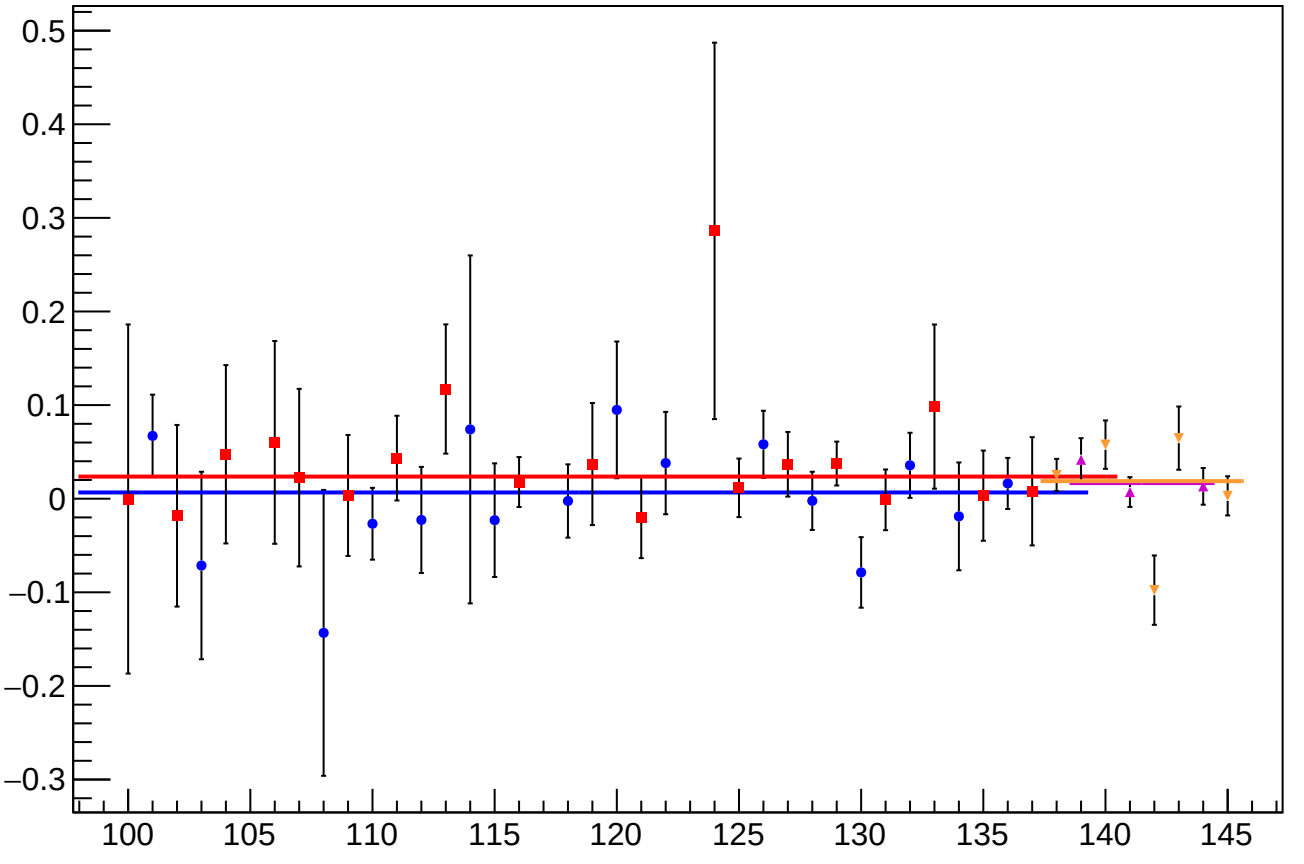
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.744+/-0.008 χ^2/NDF:139462.1/2

+ sign 21.687+/-0.005 χ^2/NDF: 2393004.0/20

All: 20.590+/-0.004 χ^2/NDF: 6441680.4/42

- sign 19.534+/-0.005 χ^2/NDF: 3969050.3/21



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.011 χ^2/NDF:14.7/4

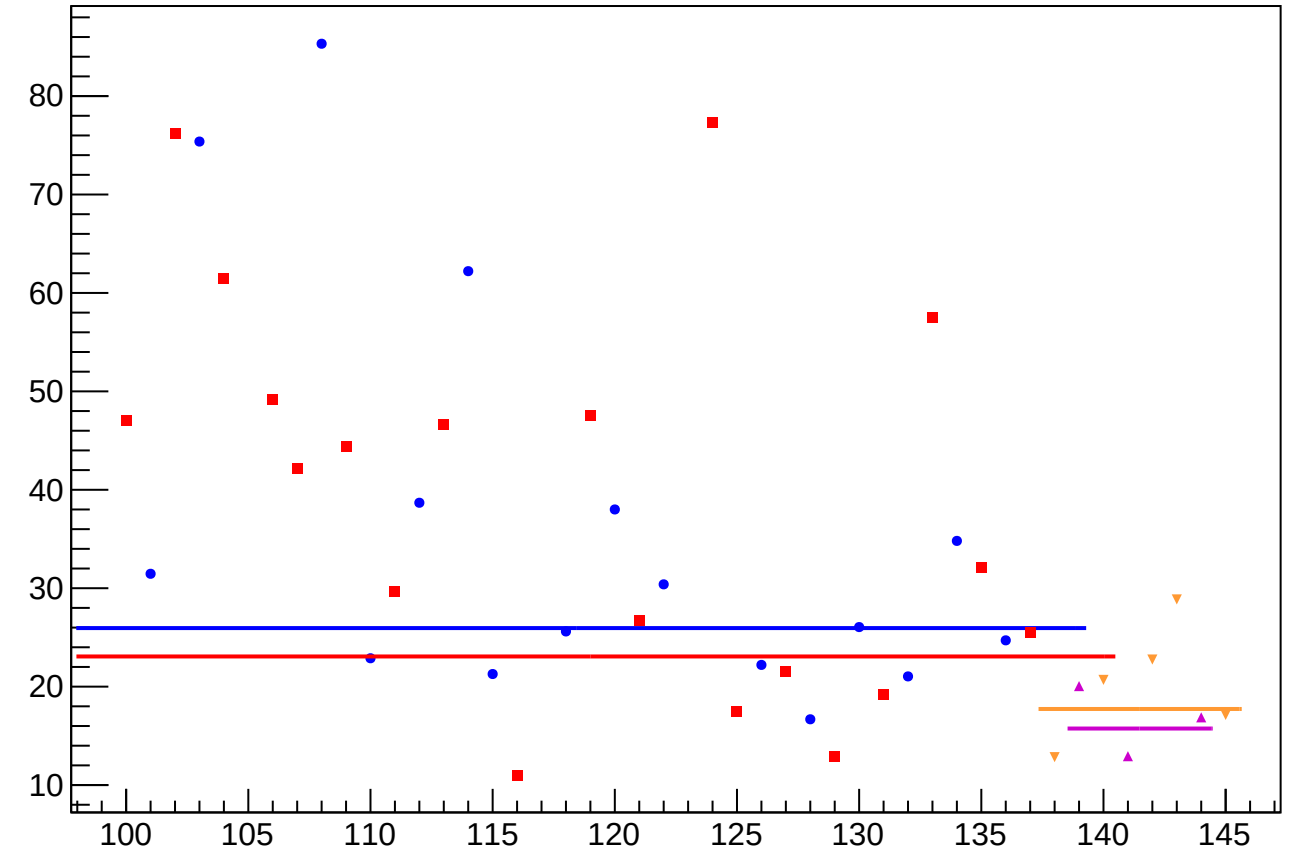
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.017+/-0.011 χ^2/NDF:1.6/2

+ sign 0.013+/-0.008 χ^2/NDF: 30.3/20

All: 0.017+/-0.005 χ^2/NDF: 40.1/42

- sign 0.020+/-0.008 χ^2/NDF: 9.3/21



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.731+/-0.008 χ^2/NDF:442703.9/4

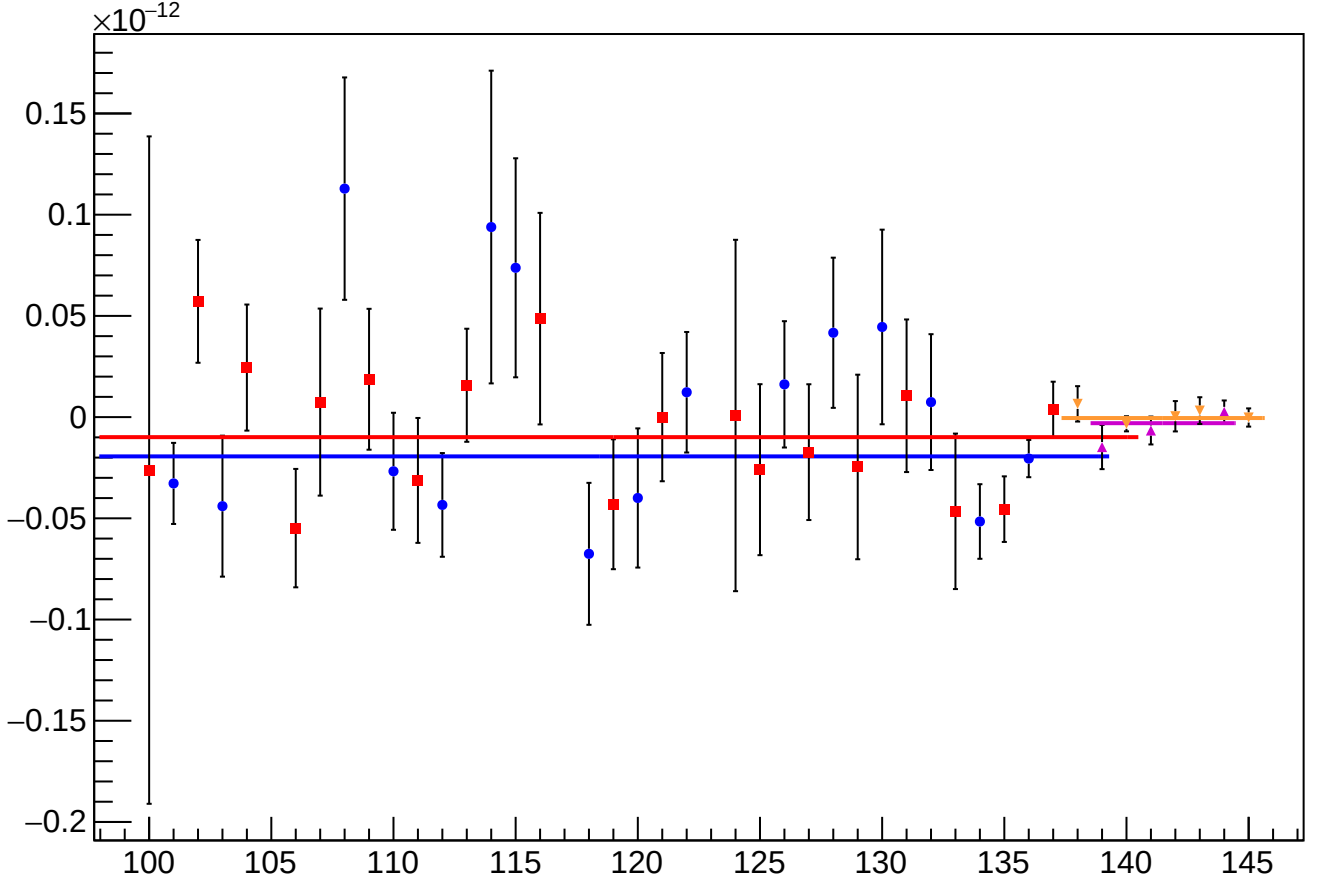
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.744+/-0.008 χ^2/NDF:139462.1/2

+ sign 21.687+/-0.005 χ^2/NDF: 2393004.0/20

All: 20.590+/-0.004 χ^2/NDF: 6441680.4/42

- sign 19.534+/-0.005 χ^2/NDF: 3969050.3/21



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/4

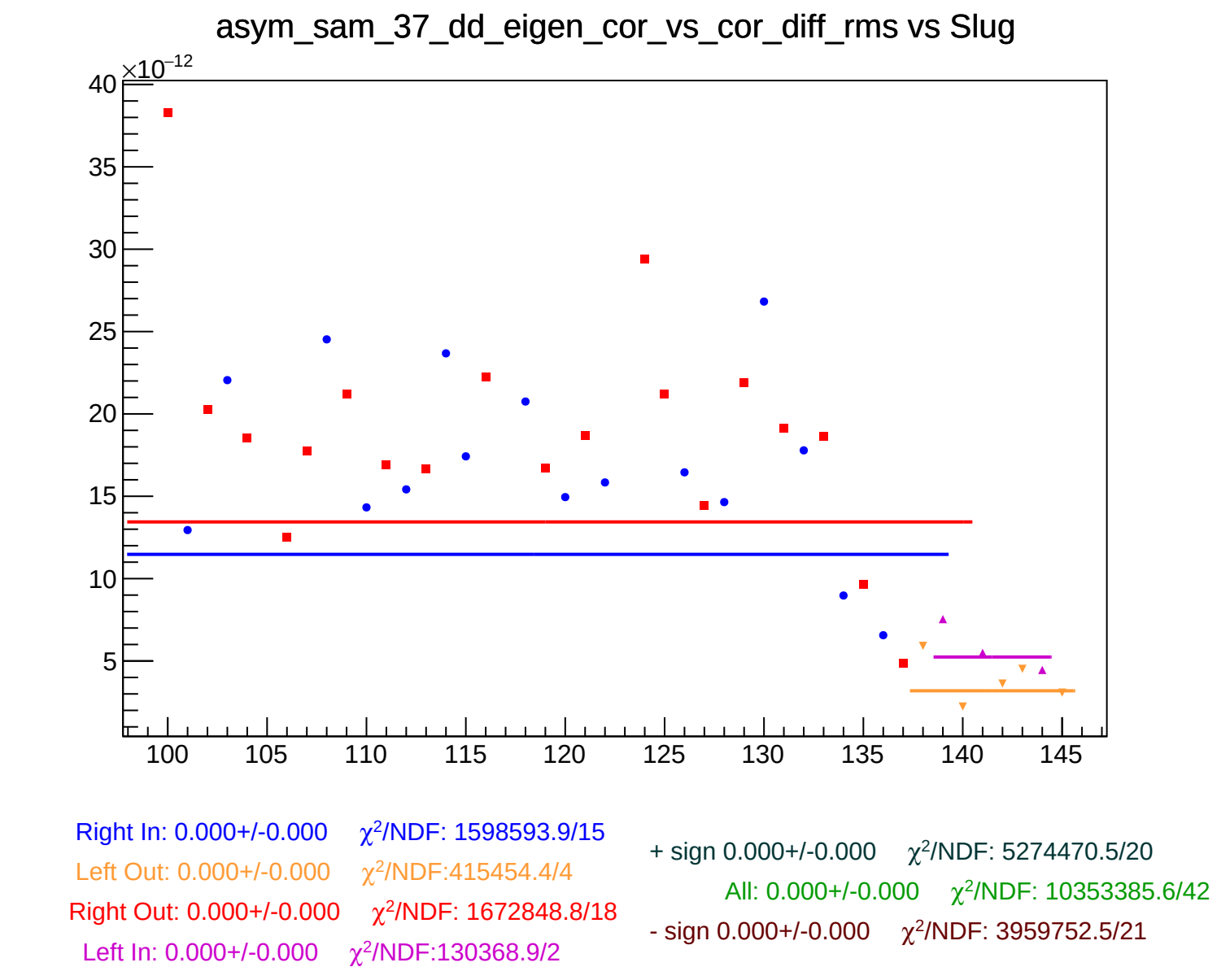
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/20

All: -0.000+/-0.000 χ^2/NDF: 59.4/42

- sign -0.000+/-0.000 χ^2/NDF: 23.5/21


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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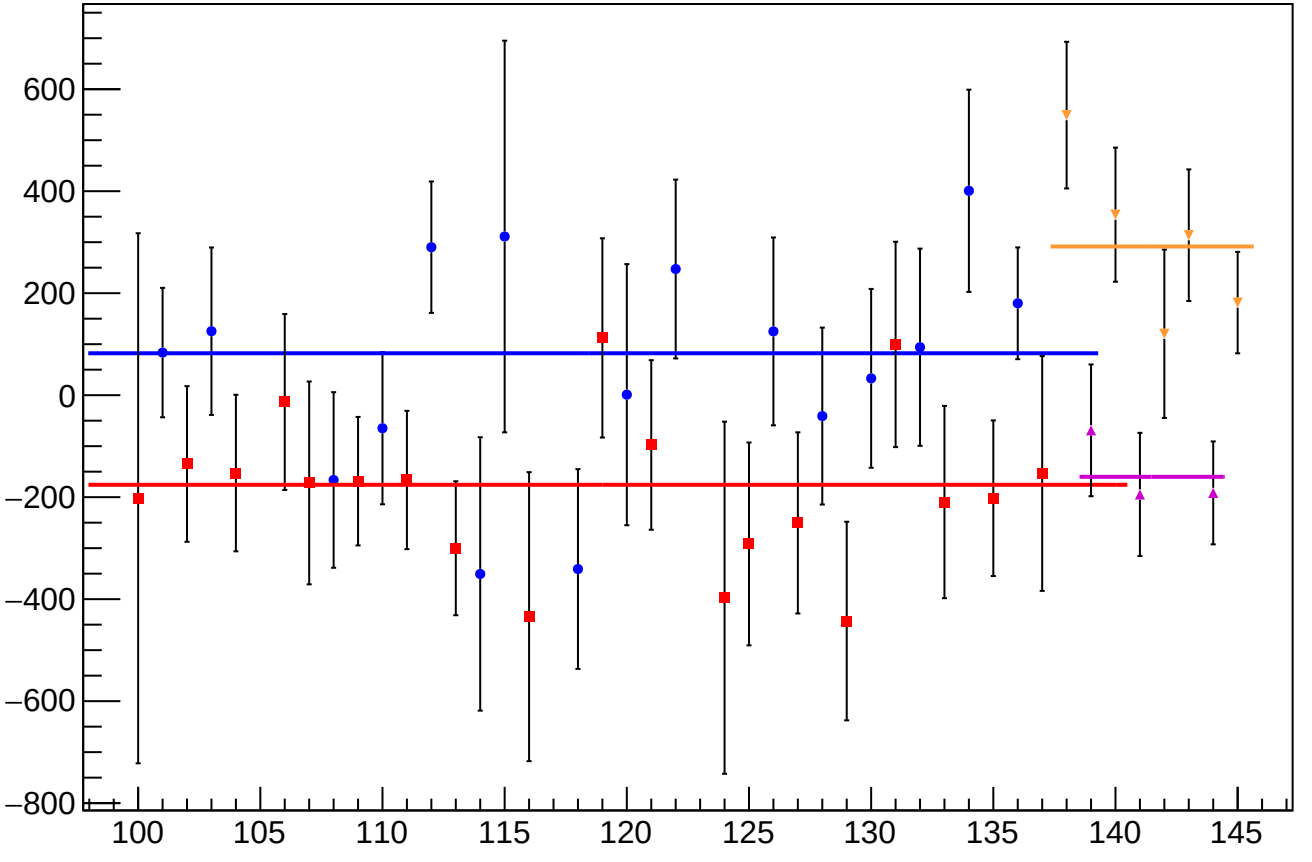
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:415454.4/4
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:130368.9/2
+ sign 0.000+/-0.000 χ²/NDF: 5274470.5/20
All: 0.000+/-0.000 χ²/NDF: 10353385.6/42
- sign 0.000+/-0.000 χ²/NDF: 3959752.5/21

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

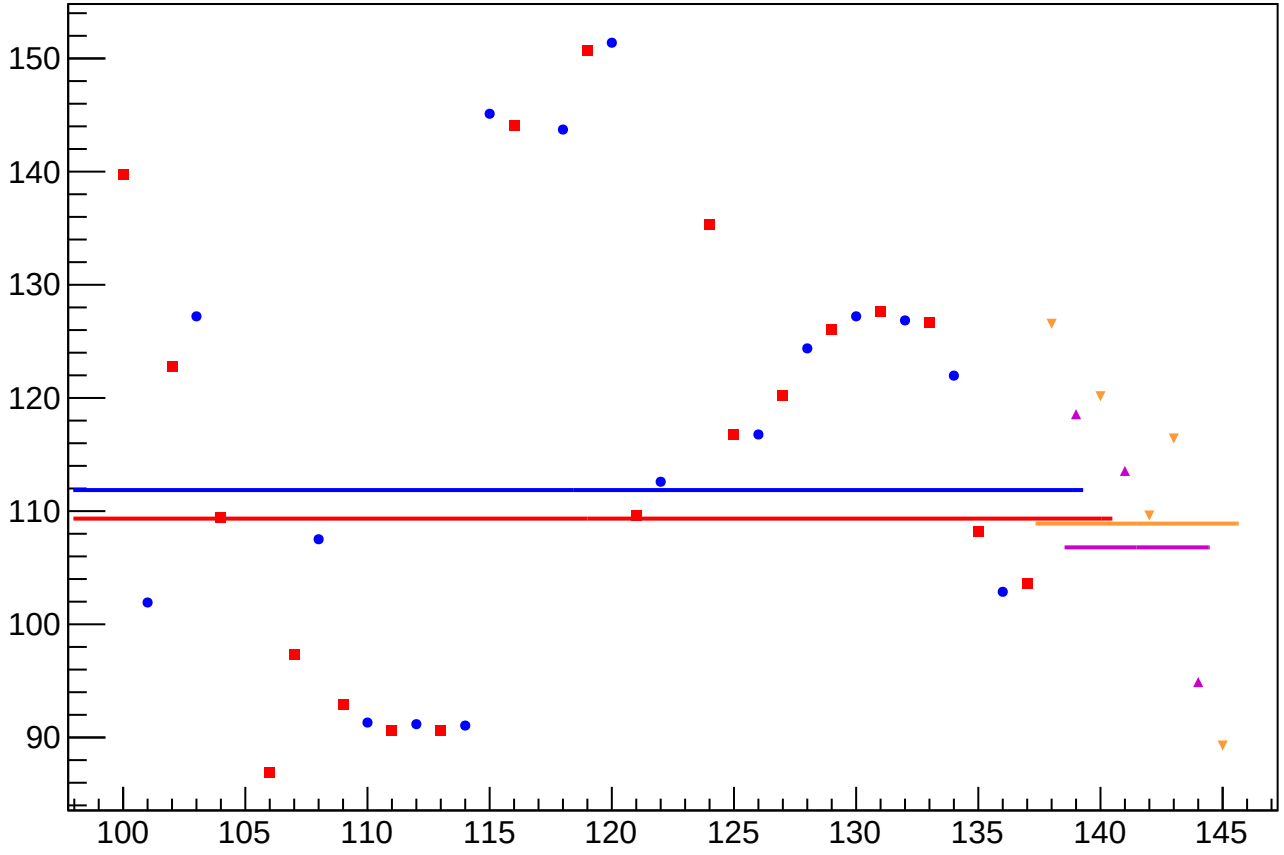
Left In: -160.087+/-66.433 χ^2/NDF:0.7/2

+ sign 155.581+/-33.956 χ^2/NDF: 32.8/20

All: -4.455+/-24.265 χ^2/NDF: 88.8/42

- sign -171.466+/-34.688 χ^2/NDF: 10.6/21

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

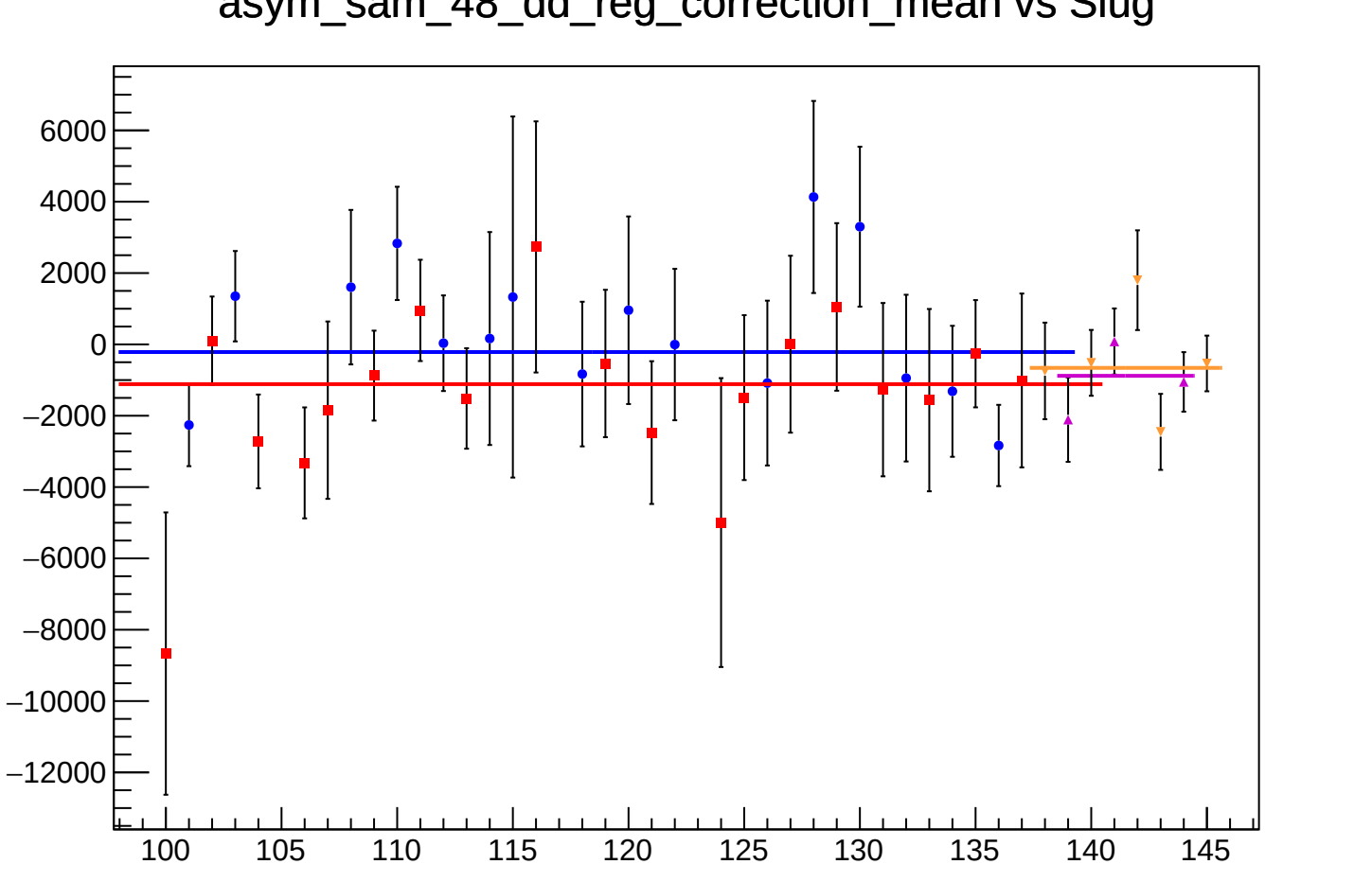
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 106.797+/-0.047 χ^2/NDF:50656.8/2

+ sign 110.823+/-0.024 χ^2/NDF: 438884.4/20

All: 109.758+/-0.017 χ^2/NDF: 862912.3/42

- sign 108.647+/-0.025 χ^2/NDF: 420008.1/21



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

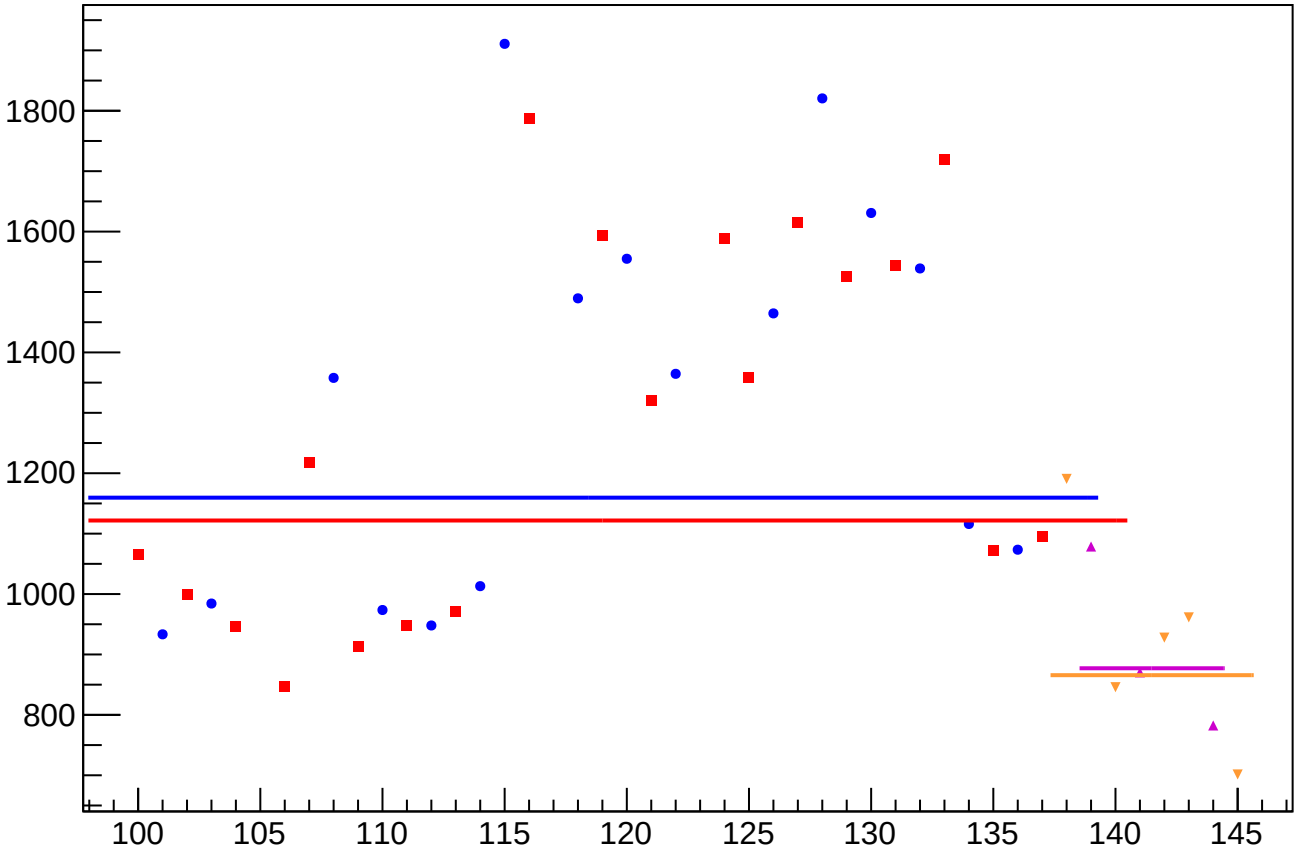
Left In: -881.094+/-549.253 χ^2/NDF:2.2/2

+ sign -429.077+/-319.005 χ^2/NDF: 26.9/20

All: -713.629+/-231.068 χ^2/NDF: 45.4/42

- sign -1027.719+/-335.152 χ^2/NDF: 16.8/21

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

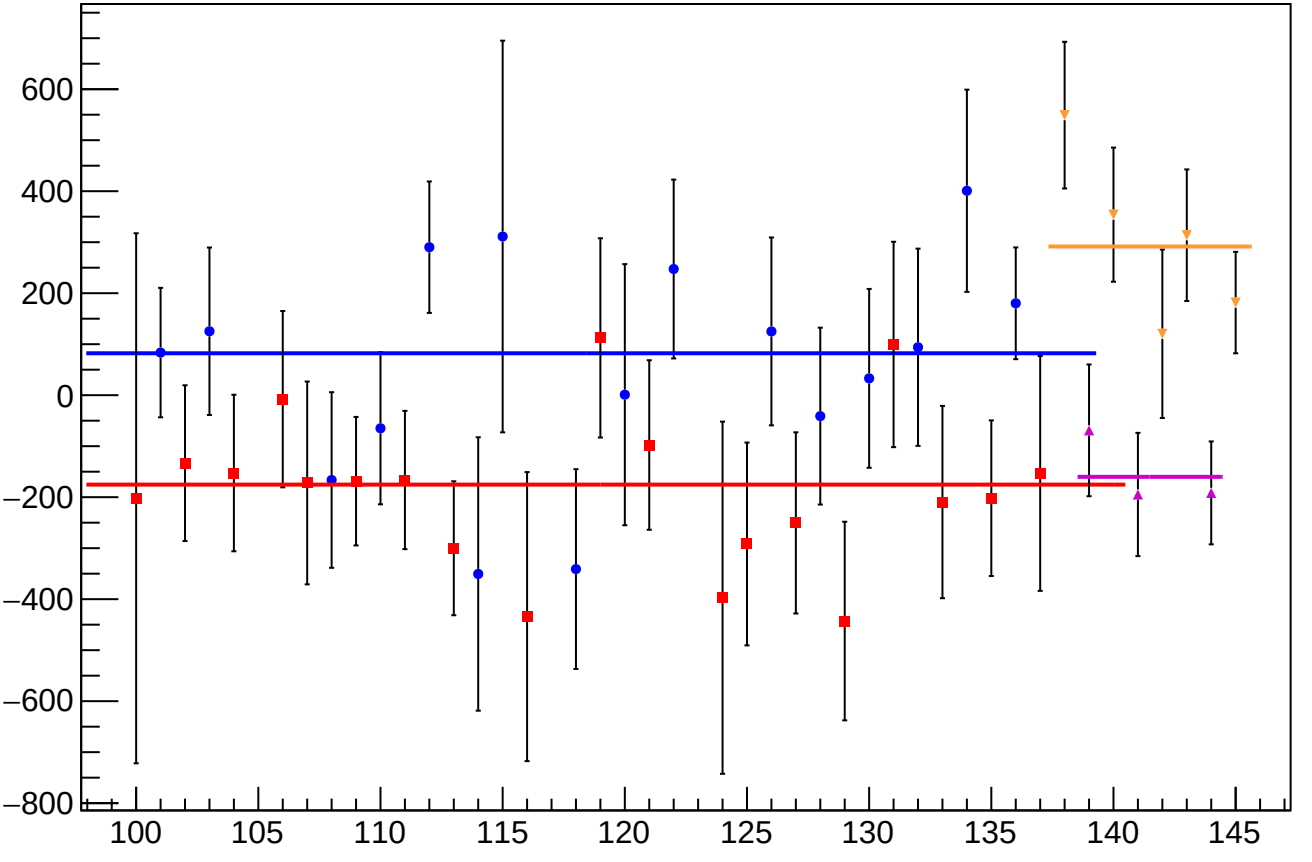
Left In: 877.147+/-0.388 χ^2/NDF:83835.0/2

+ sign 1017.427+/-0.226 χ^2/NDF: 1332365.4/20

All: 1023.724+/-0.163 χ^2/NDF: 2449079.6/42

- sign 1030.675+/-0.237 χ^2/NDF: 1115074.5/21

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

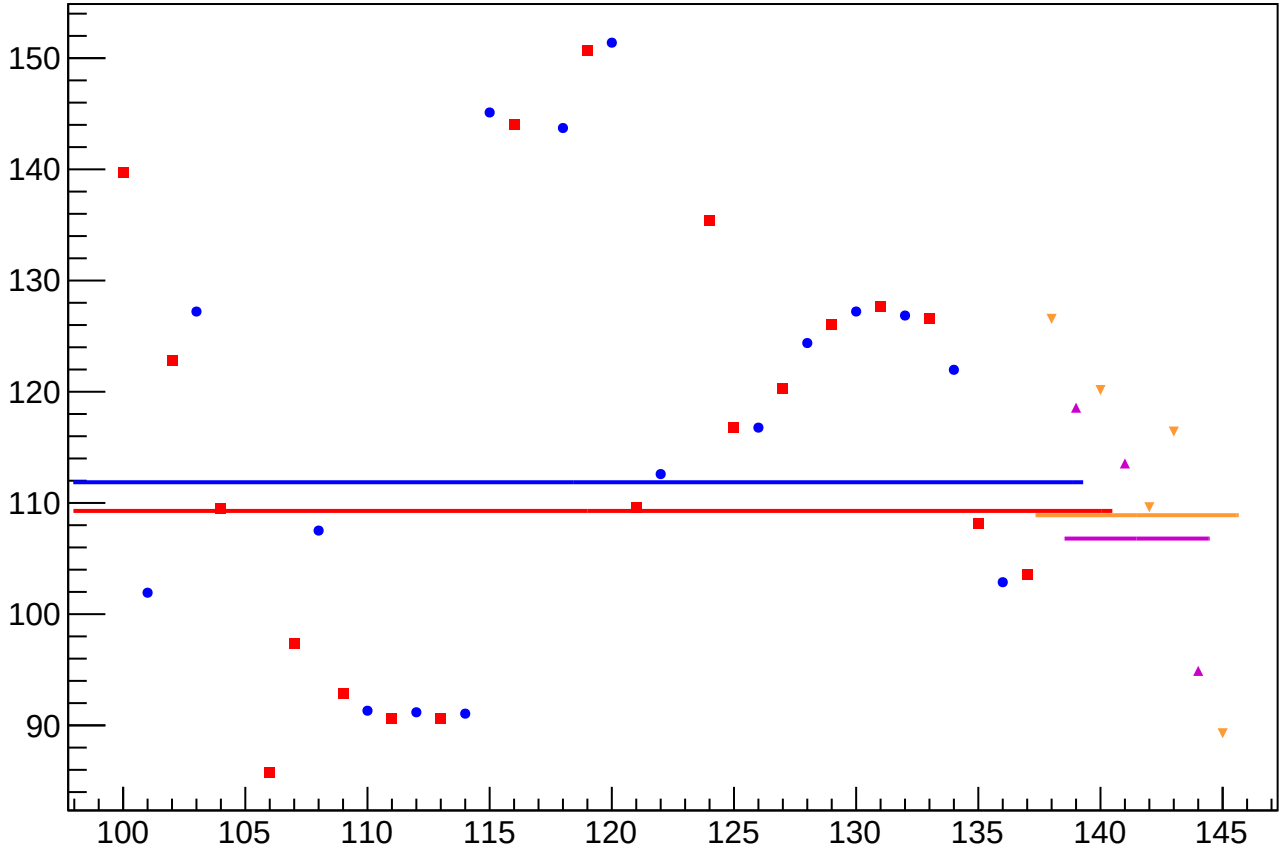
Left In: -160.097+/-66.433 χ^2/NDF:0.7/2

+ sign 155.578+/-33.956 χ^2/NDF: 32.8/20

All: -4.301+/-24.266 χ^2/NDF: 88.7/42

- sign -171.182+/-34.691 χ^2/NDF: 10.6/21

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

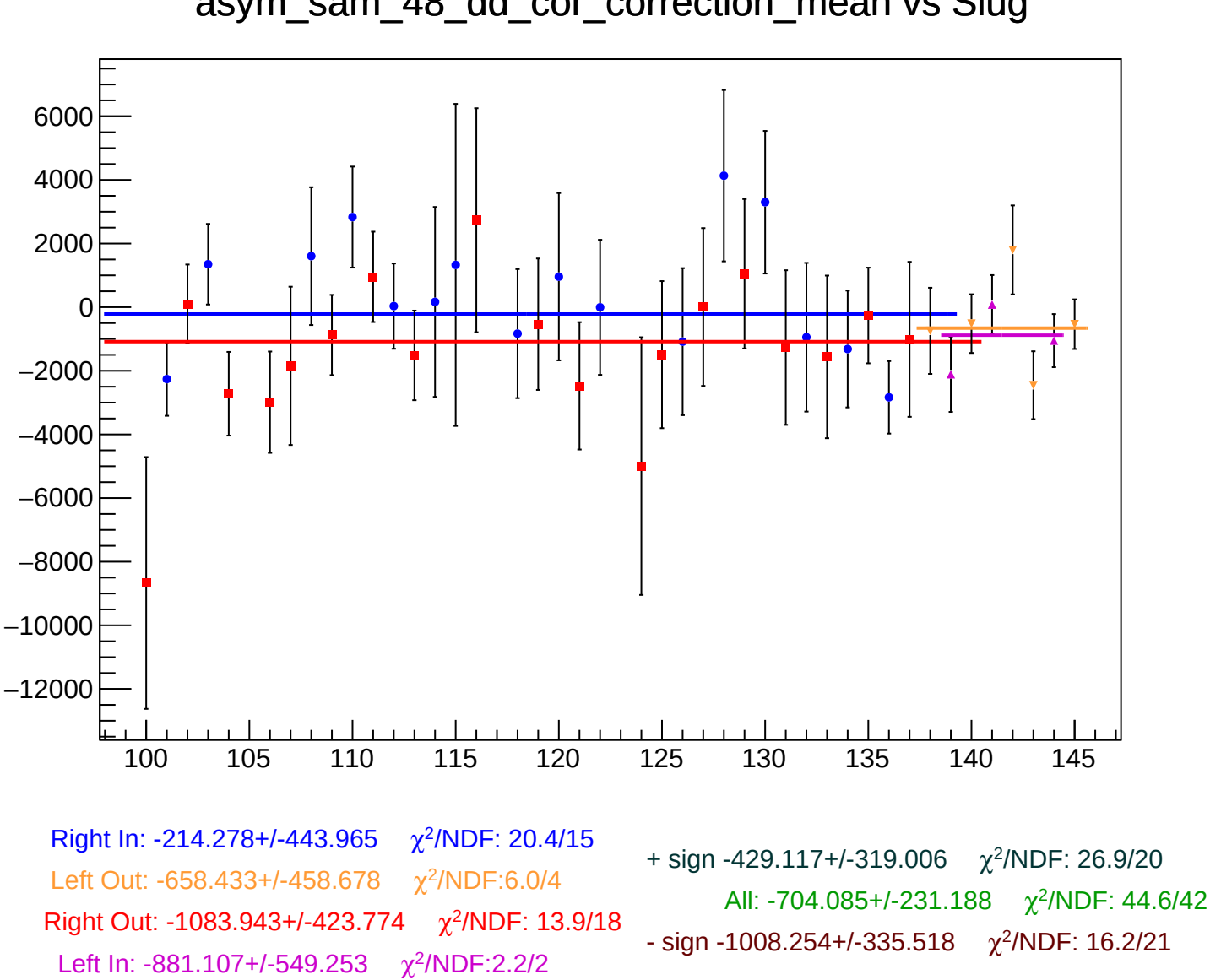
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 106.797+/-0.047 χ^2/NDF:50656.8/2

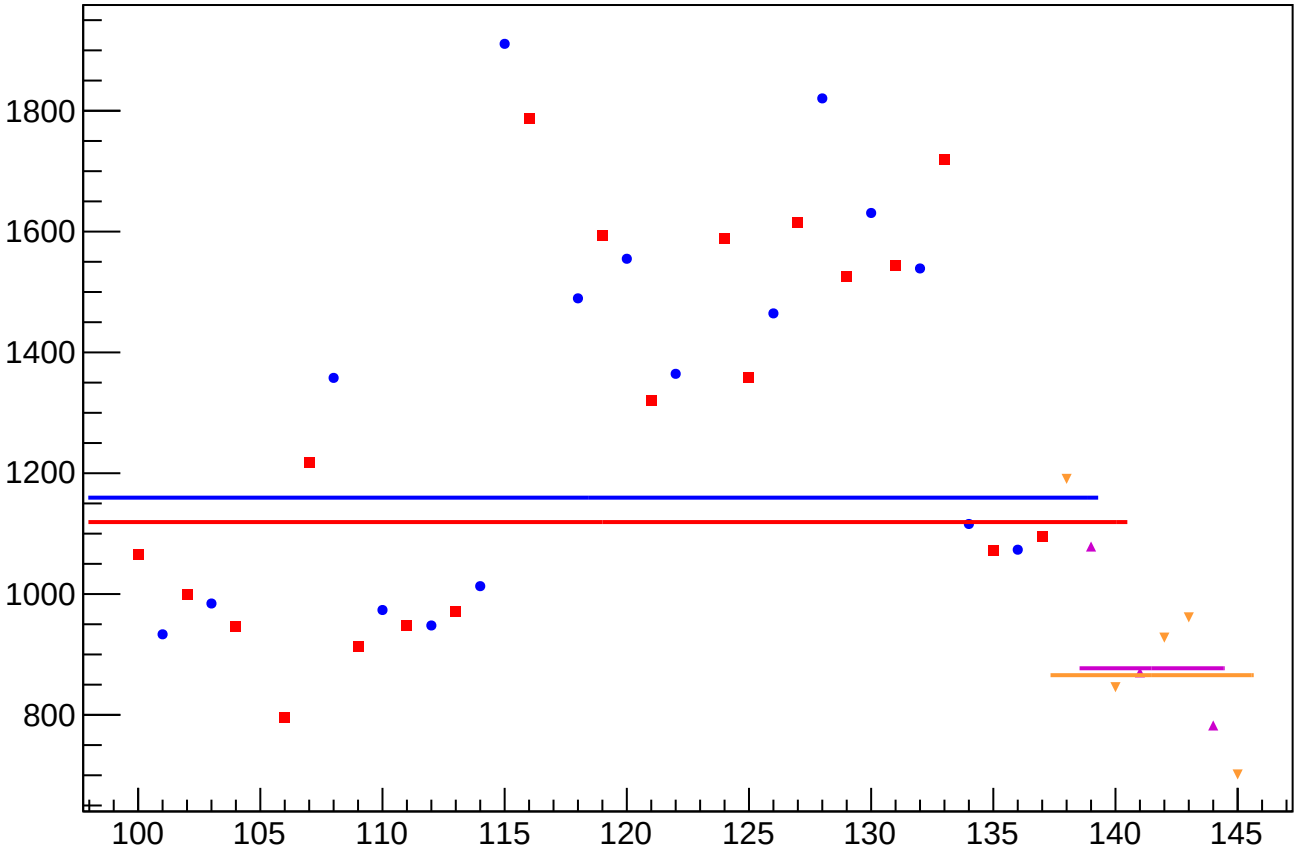
+ sign 110.823+/-0.024 χ^2/NDF: 438885.6/20

All: 109.738+/-0.017 χ^2/NDF: 866464.4/42

- sign 108.606+/-0.025 χ^2/NDF: 423406.7/21


asym_sam_48_dd_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
145
Right In: -214.278+/-443.965 χ²/NDF: 20.4/15
Left Out: -658.433+/-458.678 χ²/NDF:6.0/4
Right Out: -1083.943+/-423.774 χ²/NDF: 13.9/18
Left In: -881.107+/-549.253 χ²/NDF:2.2/2
+ sign -429.117+/-319.006 χ²/NDF: 26.9/20
All: -704.085+/-231.188 χ²/NDF: 44.6/42
- sign -1008.254+/-335.518 χ²/NDF: 16.2/21

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

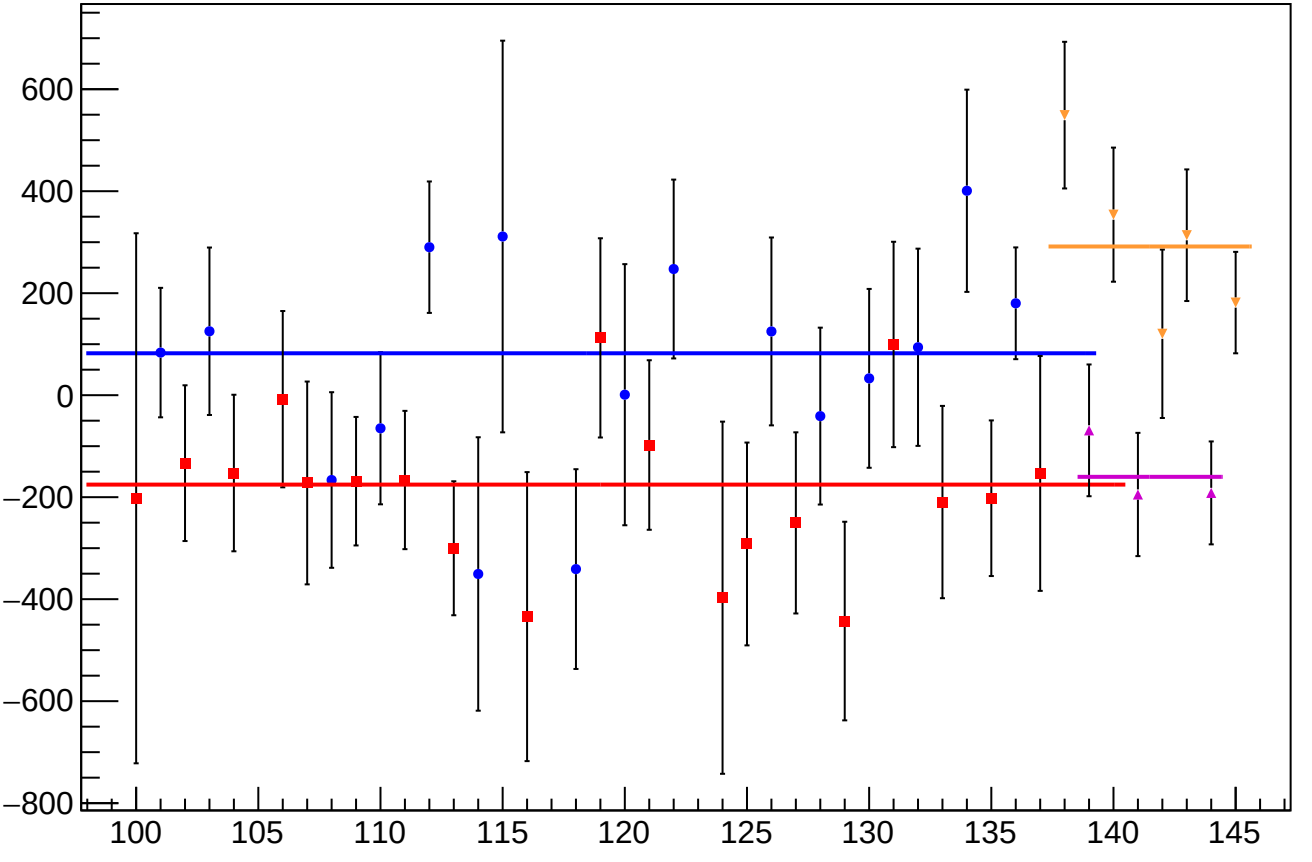
Left In: 877.147+/-0.388 χ^2/NDF:83833.7/2

+ sign 1017.430+/-0.226 χ^2/NDF: 1332363.9/20

All: 1022.852+/-0.163 χ^2/NDF: 2463961.6/42

- sign 1028.850+/-0.237 χ^2/NDF: 1130380.9/21

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

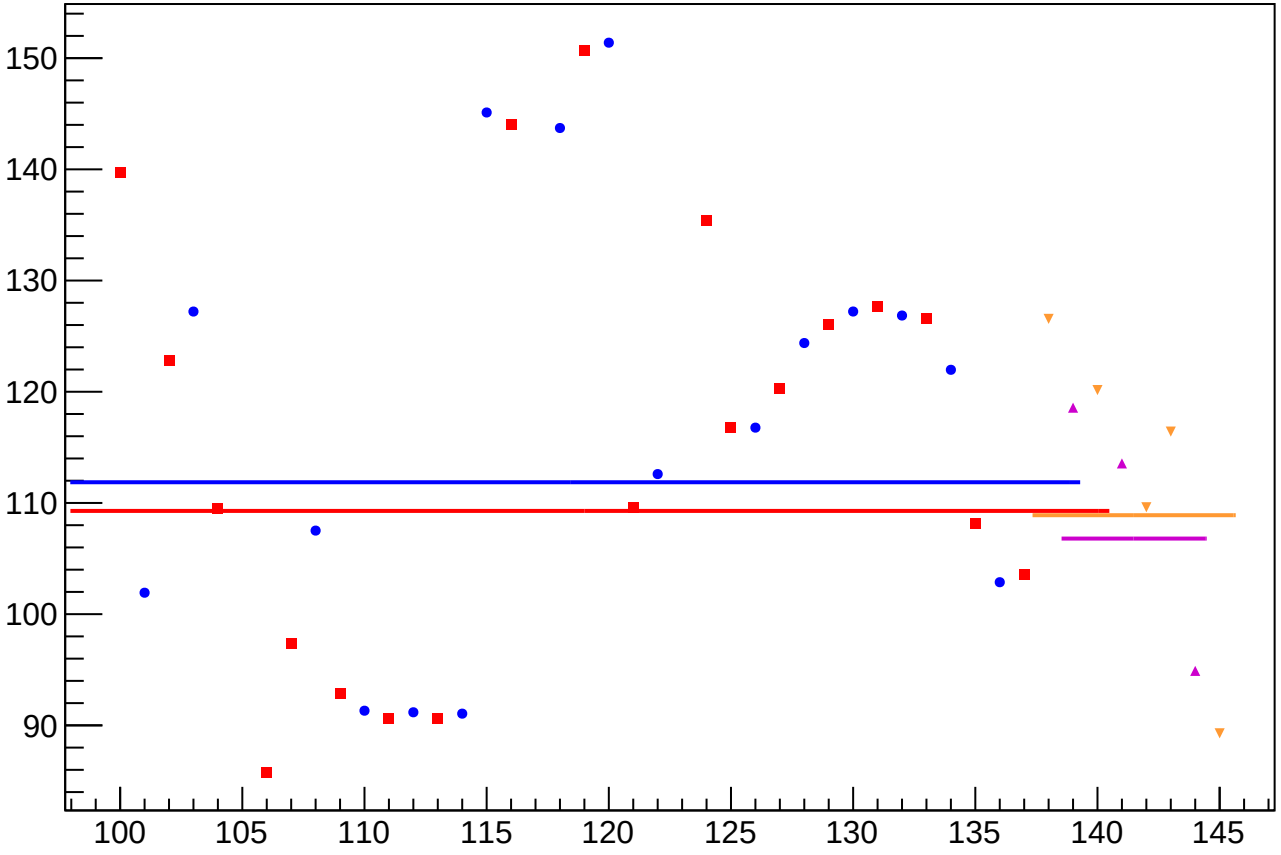
Left In: -160.097+/-66.433 χ^2/NDF:0.7/2

+ sign 155.578+/-33.956 χ^2/NDF: 32.8/20

All: -4.301+/-24.266 χ^2/NDF: 88.7/42

- sign -171.182+/-34.691 χ^2/NDF: 10.6/21

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

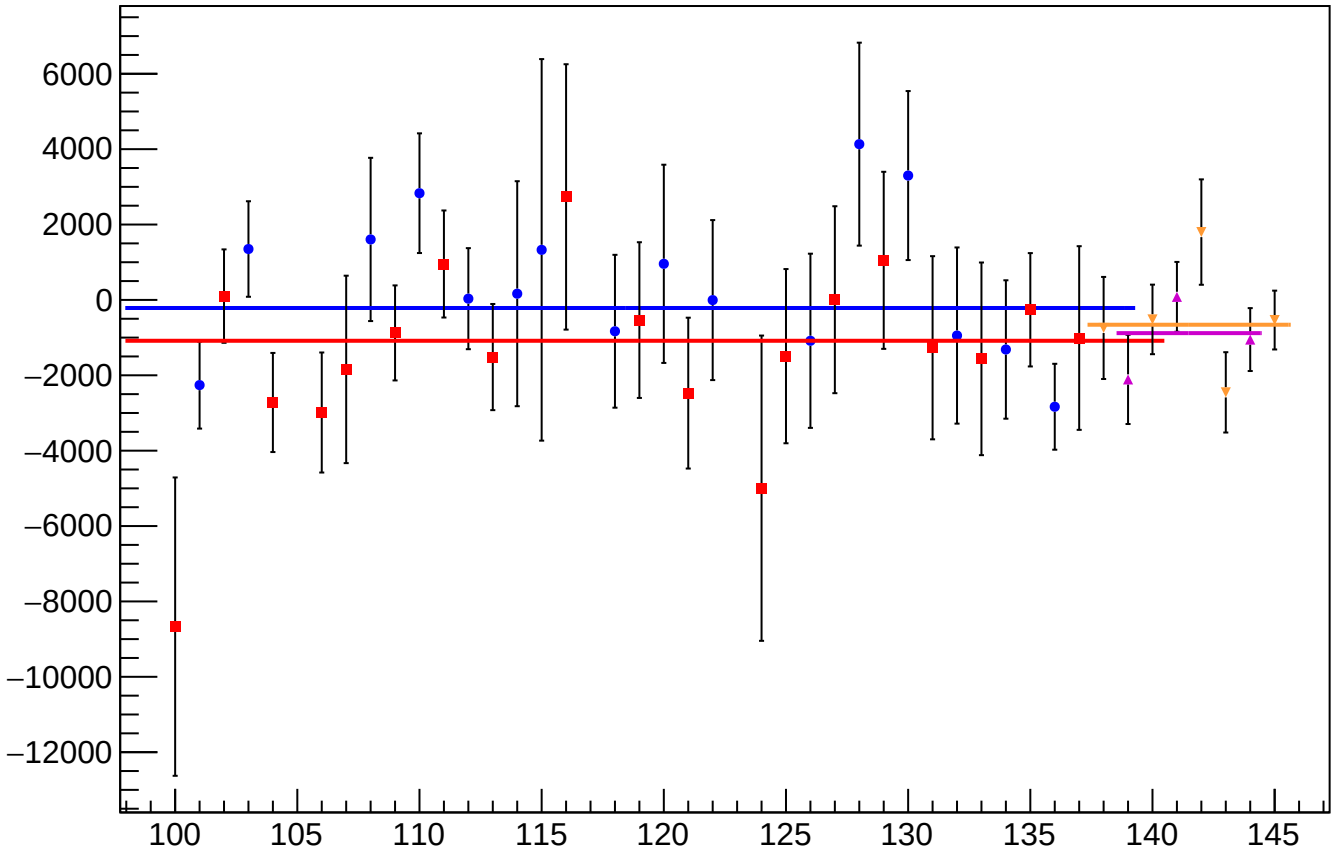
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 106.797+/-0.047 χ^2/NDF:50656.8/2

+ sign 110.823+/-0.024 χ^2/NDF: 438885.6/20

All: 109.738+/-0.017 χ^2/NDF: 866464.4/42

- sign 108.606+/-0.025 χ^2/NDF: 423406.7/21



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -658.433+/-458.678 χ^2/NDF:6.0/4

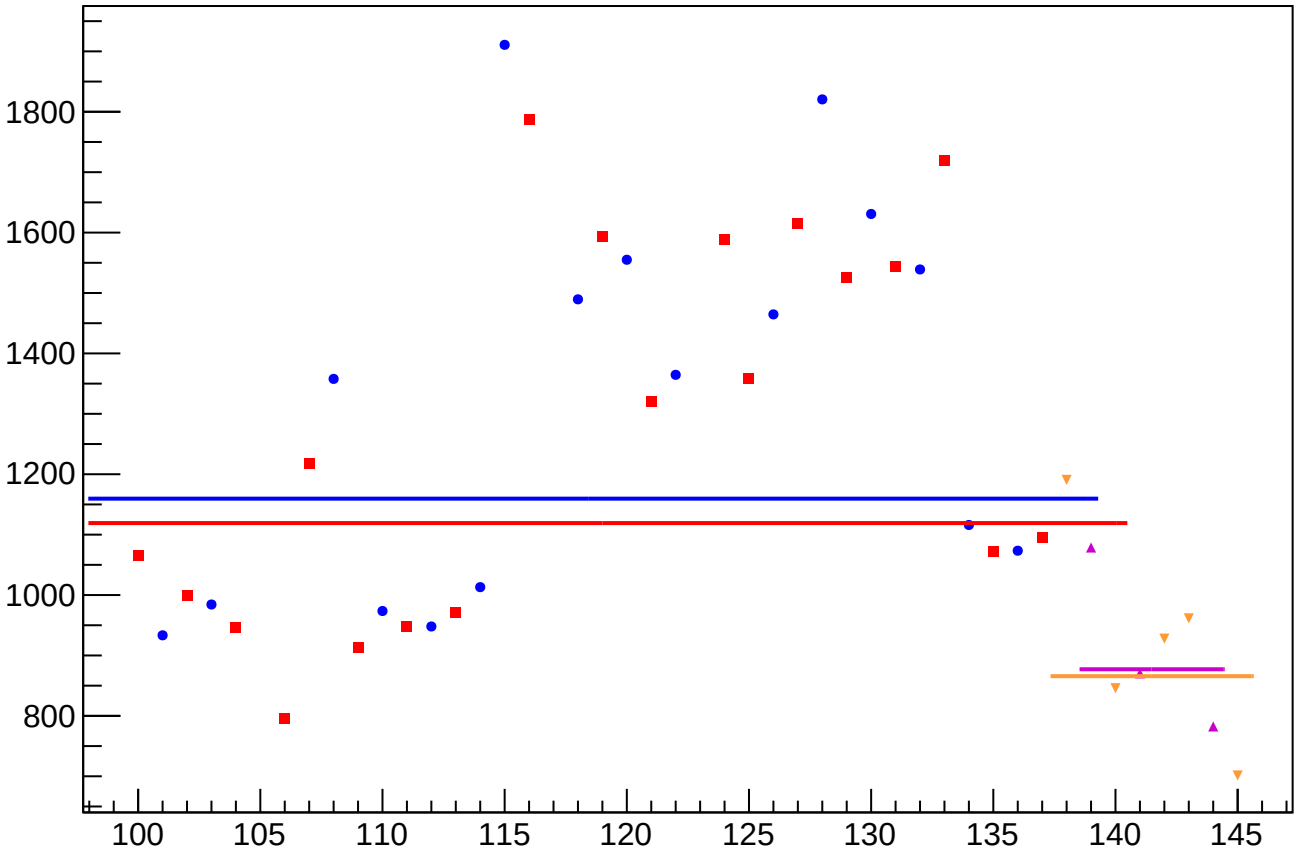
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -881.107+/-549.253 χ^2/NDF:2.2/2

+ sign -429.117+/-319.006 χ^2/NDF: 26.9/20

All: -704.085+/-231.188 χ^2/NDF: 44.6/42

- sign -1008.254+/-335.518 χ^2/NDF: 16.2/21



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

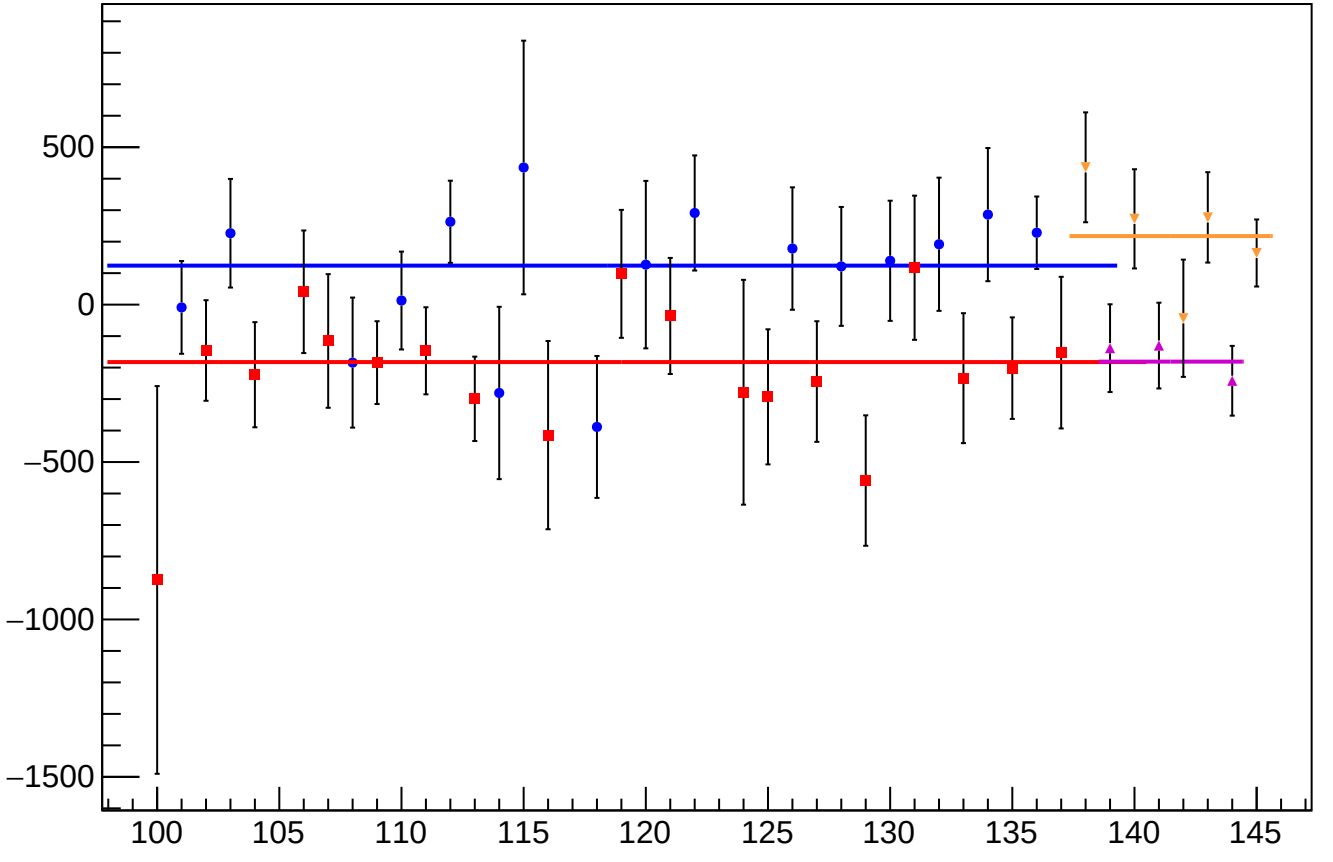
Left In: 877.147+/-0.388 χ^2/NDF:83833.7/2

+ sign 1017.430+/-0.226 χ^2/NDF: 1332363.9/20

All: 1022.852+/-0.163 χ^2/NDF: 2463961.6/42

- sign 1028.850+/-0.237 χ^2/NDF: 1130380.9/21

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

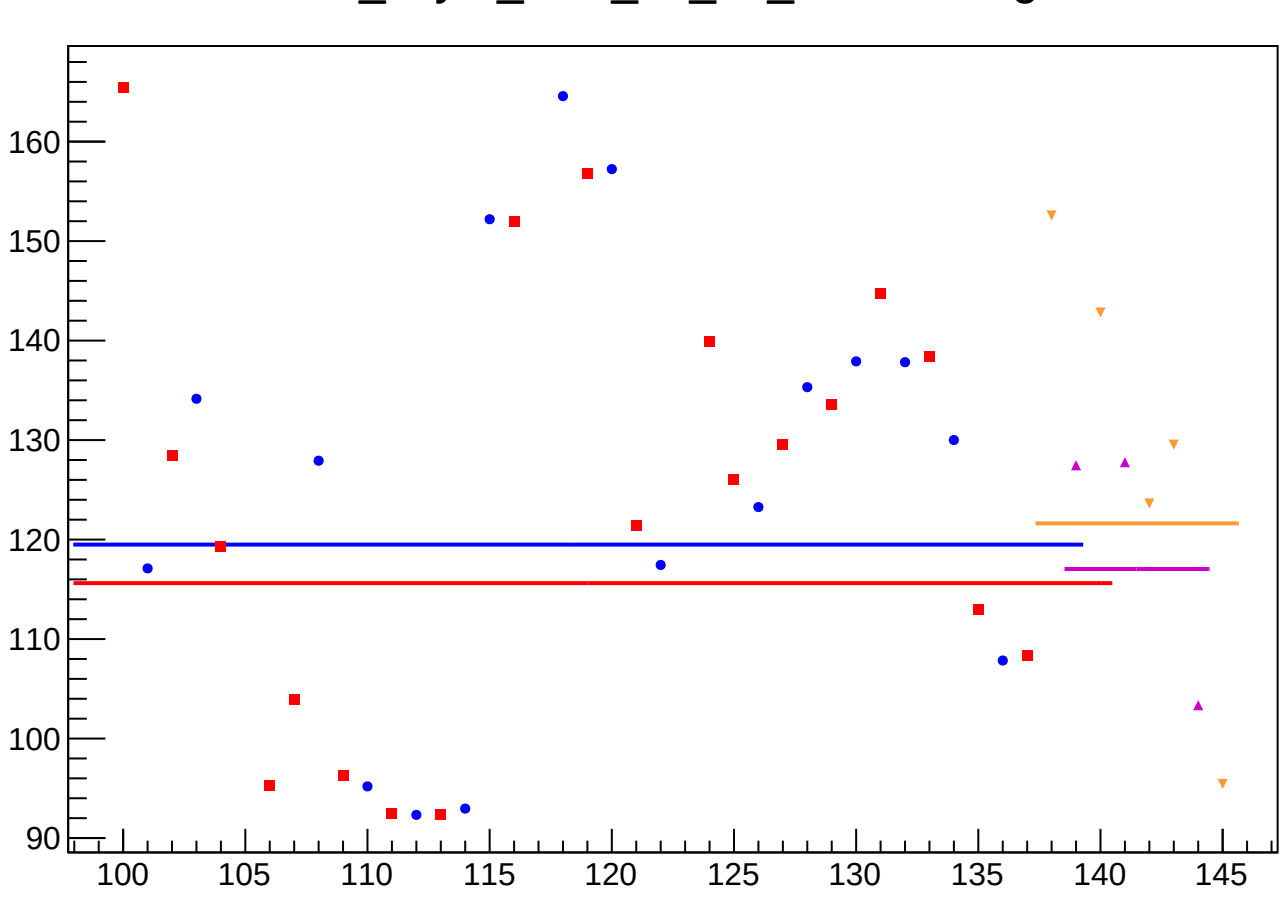
Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: -181.075+/-73.164 χ^2/NDF:0.5/2

+ sign 154.673+/-37.080 χ^2/NDF: 20.9/20

All: -13.104+/-26.267 χ^2/NDF: 74.8/42

- sign -182.107+/-37.215 χ^2/NDF: 12.8/21



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 121.631+/-0.046 χ^2/NDF:226365.6/4

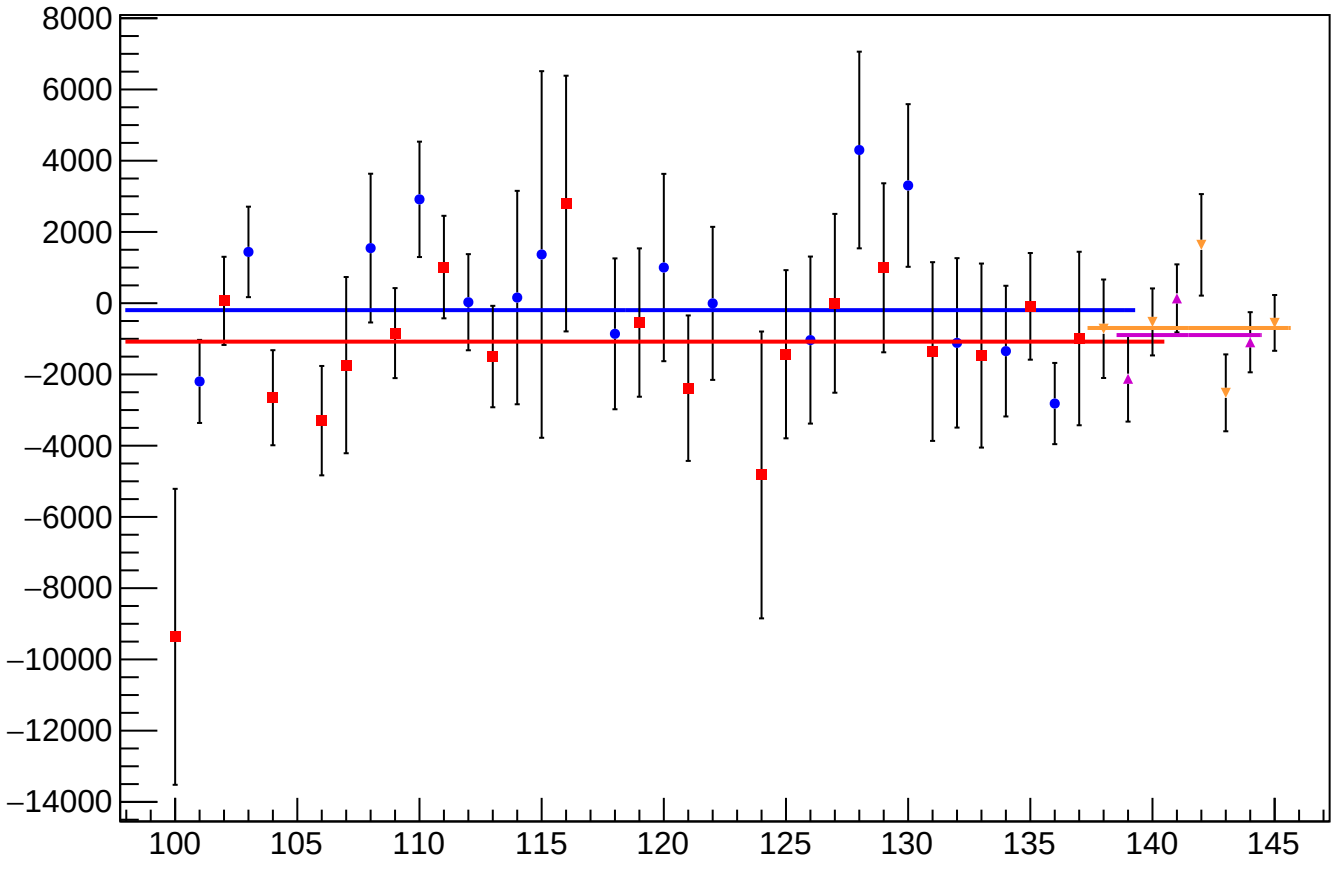
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 117.043+/-0.052 χ^2/NDF:54131.2/2

+ sign 120.196+/-0.026 χ^2/NDF: 608080.4/20

All: 118.100+/-0.019 χ^2/NDF: 1102554.0/42

- sign 115.990+/-0.026 χ^2/NDF: 481652.6/21



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

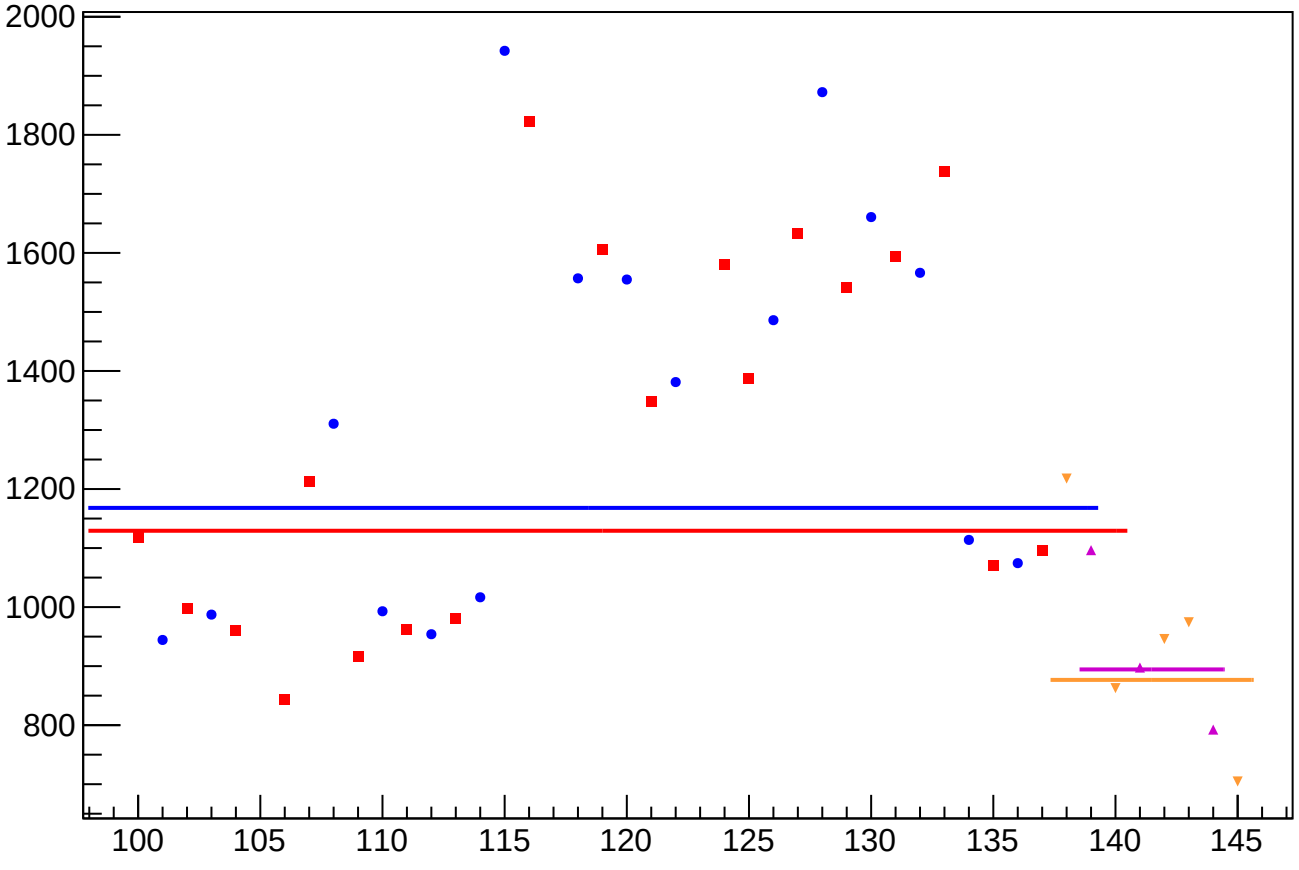
Left In: -894.361+/-559.870 χ^2/NDF:2.3/2

+ sign -436.074+/-322.210 χ^2/NDF: 26.6/20

All: -709.216+/-233.545 χ^2/NDF: 45.0/42

- sign -1011.557+/-338.994 χ^2/NDF: 16.9/21

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

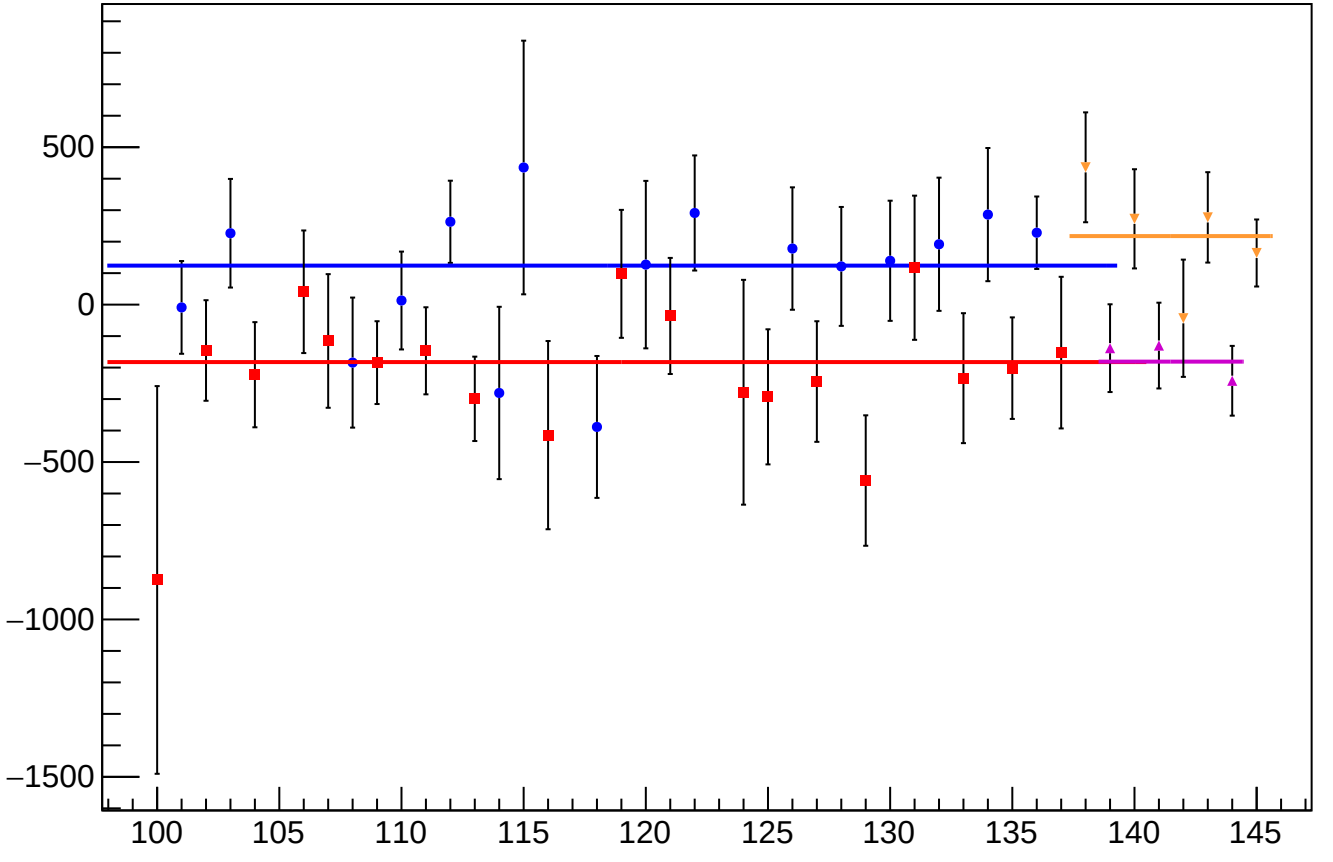
Left In: 894.416+/-0.396 χ^2/NDF:85527.5/2

+ sign 1027.858+/-0.228 χ^2/NDF: 1357463.8/20

All: 1035.139+/-0.165 χ^2/NDF: 2475358.0/42

- sign 1043.199+/-0.240 χ^2/NDF: 1115742.6/21

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

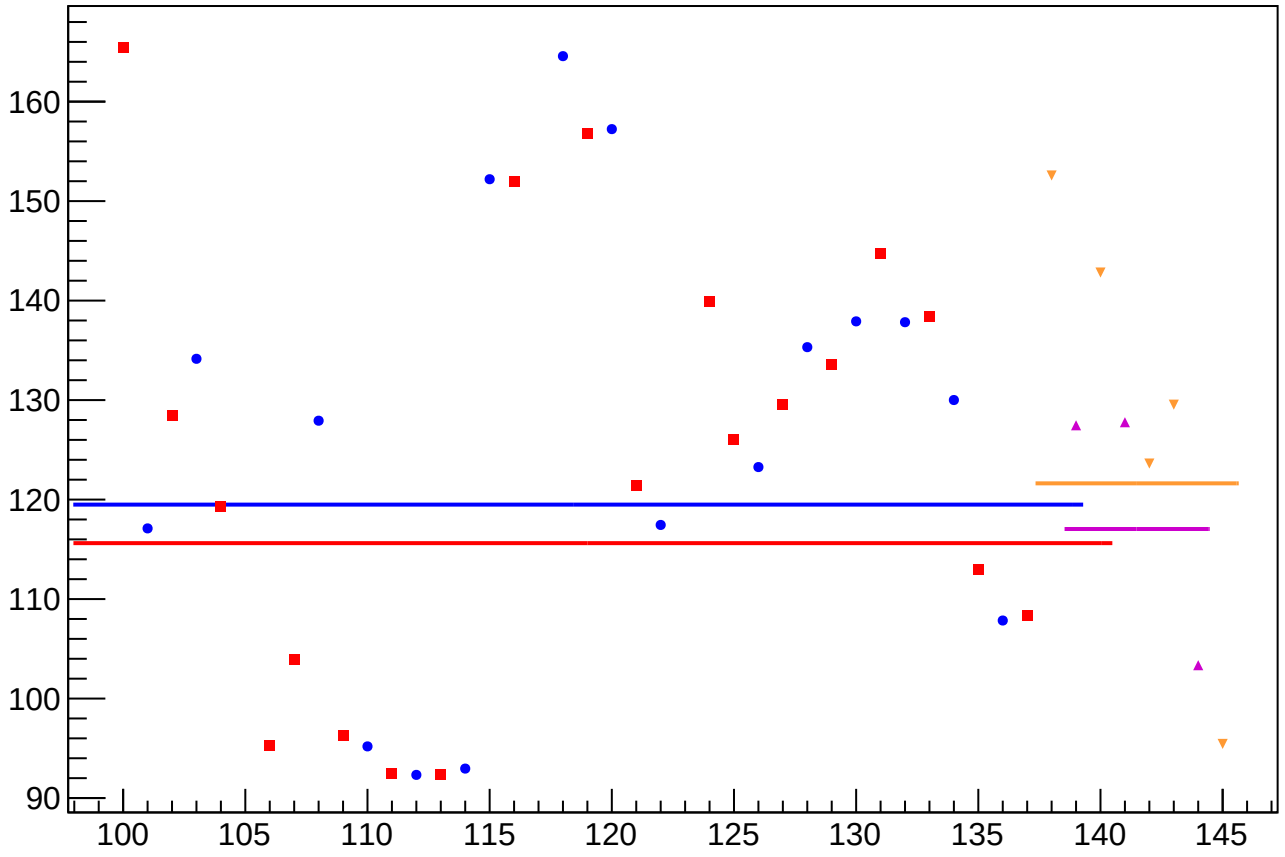
Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: -181.076+/-73.164 χ^2/NDF:0.5/2

+ sign 154.676+/-37.080 χ^2/NDF: 20.9/20

All: -13.104+/-26.267 χ^2/NDF: 74.8/42

- sign -182.108+/-37.215 χ^2/NDF: 12.8/21



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 121.631+/-0.046 χ^2/NDF:226364.1/4

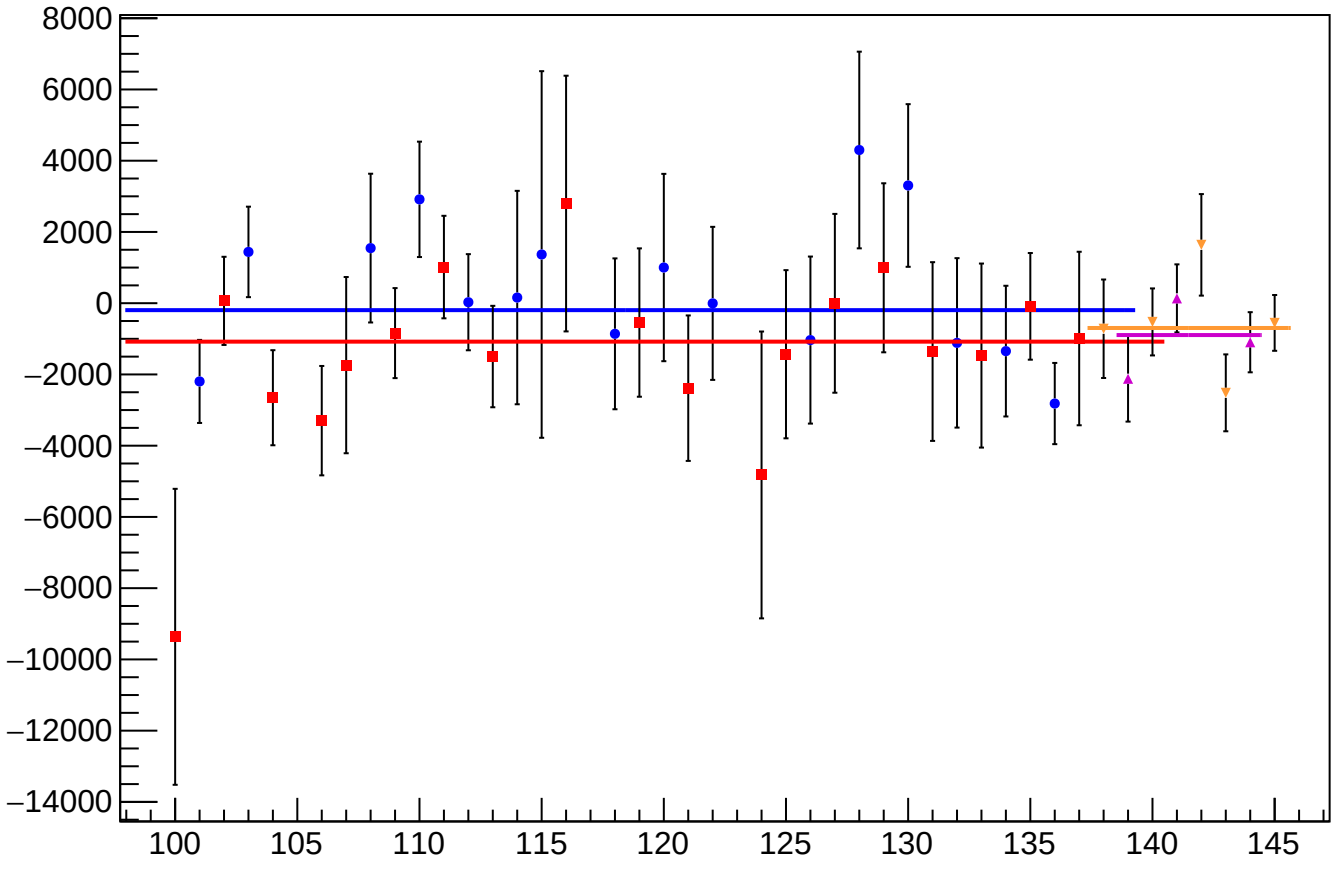
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 117.043+/-0.052 χ^2/NDF:54130.1/2

+ sign 120.196+/-0.026 χ^2/NDF: 608082.4/20

All: 118.100+/-0.019 χ^2/NDF: 1102559.8/42

- sign 115.990+/-0.026 χ^2/NDF: 481656.1/21



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

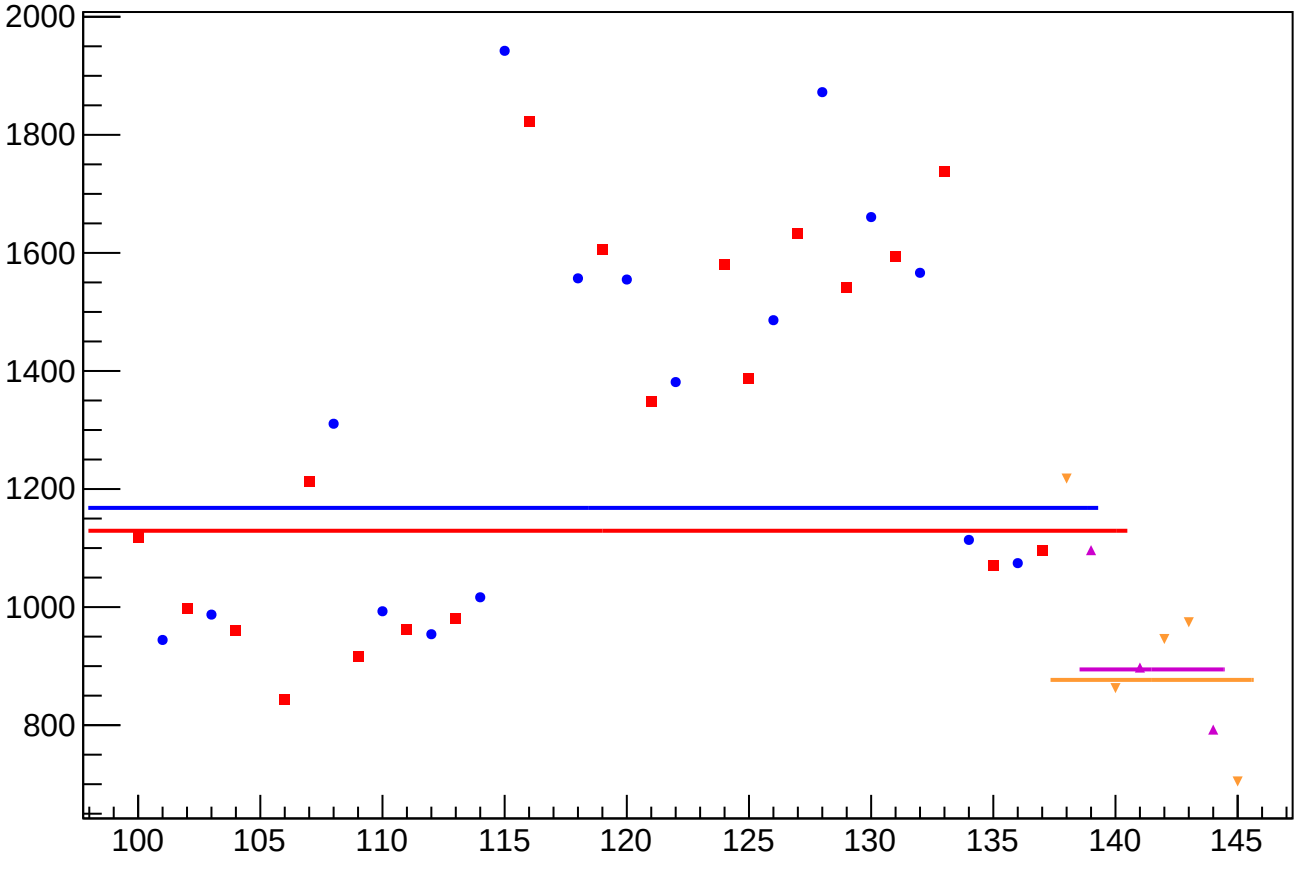
Left In: -894.360+/-559.870 χ^2/NDF:2.3/2

+ sign -436.074+/-322.209 χ^2/NDF: 26.6/20

All: -709.216+/-233.545 χ^2/NDF: 45.0/42

- sign -1011.557+/-338.994 χ^2/NDF: 16.9/21

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

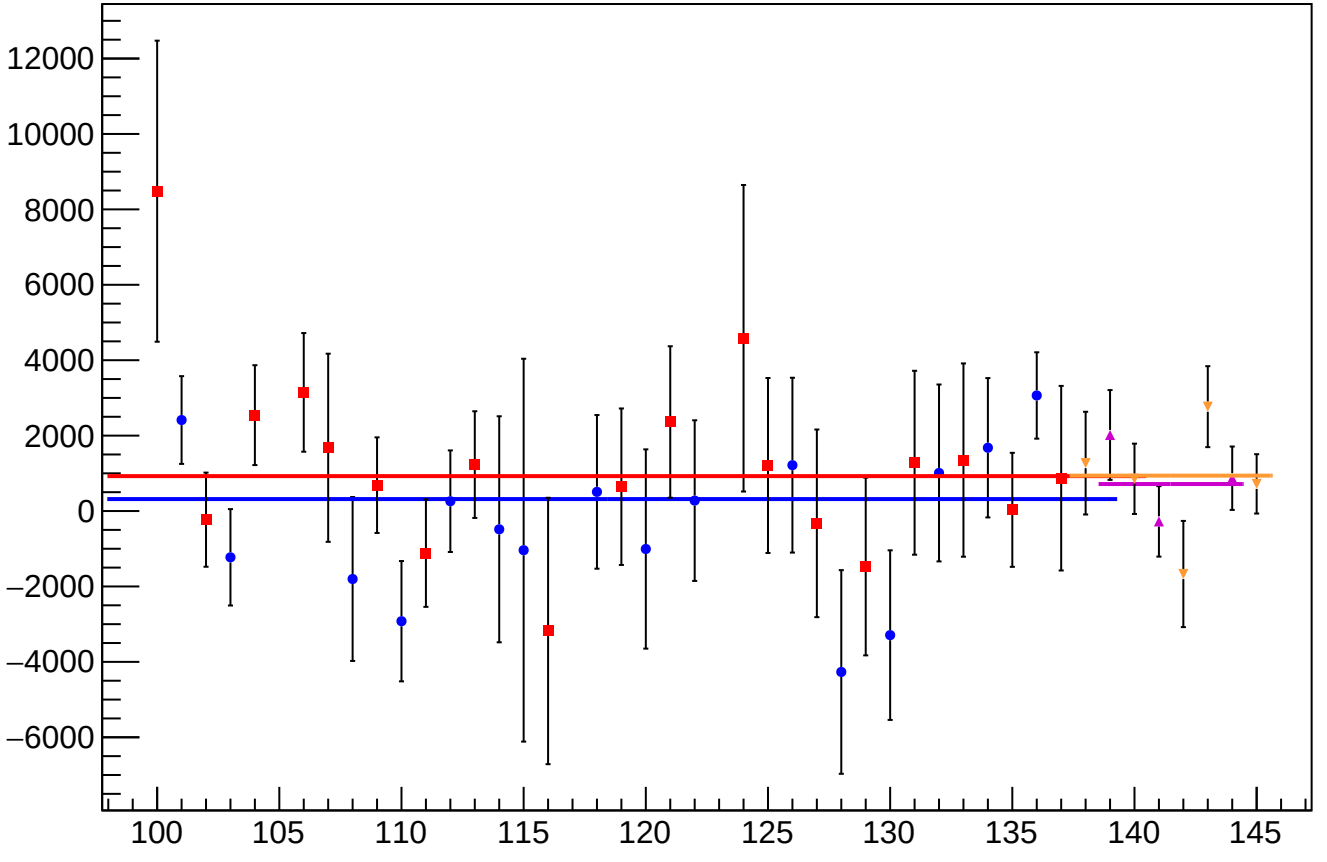
Left In: 894.415+/-0.396 χ^2/NDF:85527.6/2

+ sign 1027.857+/-0.228 χ^2/NDF: 1357472.2/20

All: 1035.139+/-0.165 χ^2/NDF: 2475368.9/42

- sign 1043.198+/-0.240 χ^2/NDF: 1115745.0/21

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

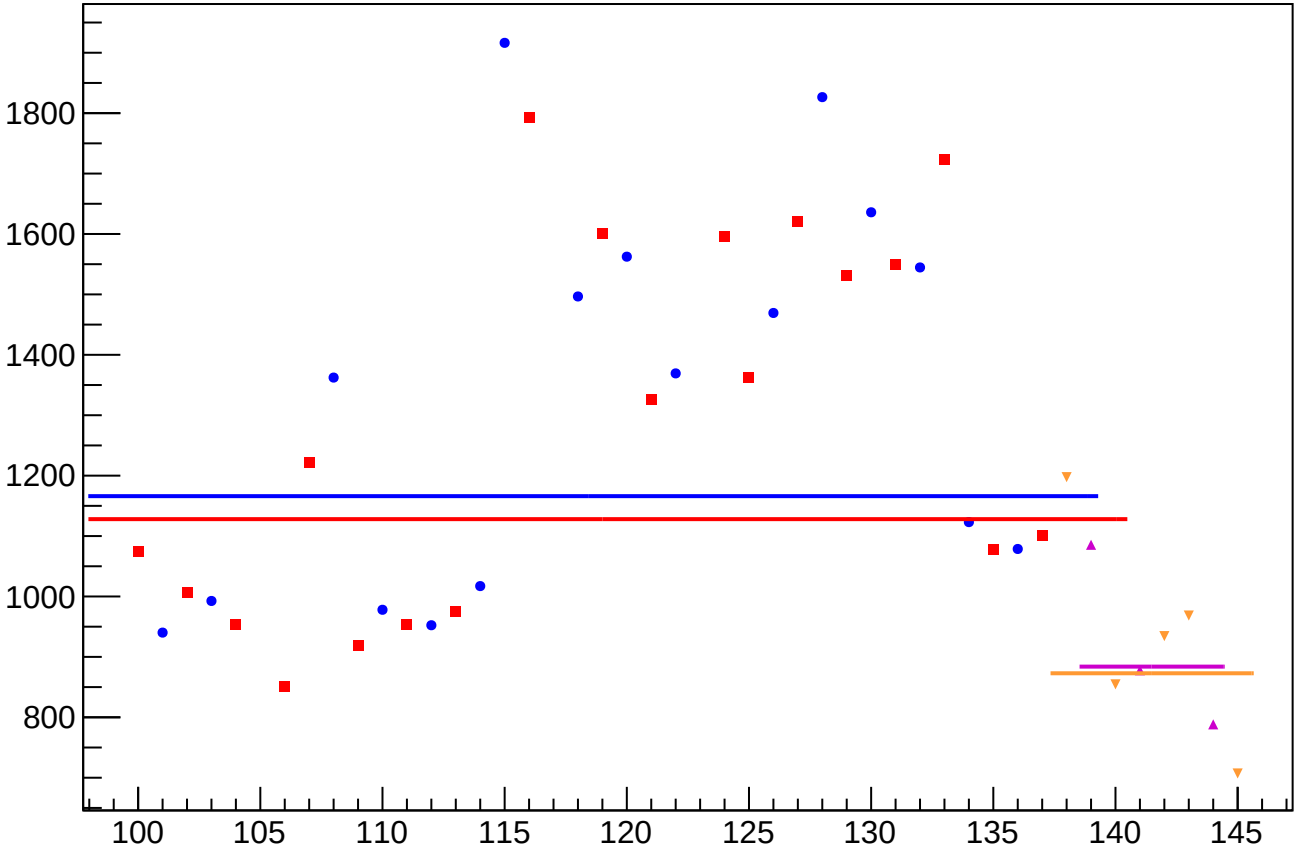
Left In: 716.257+/-553.404 χ^2/NDF:2.4/2

+ sign 617.256+/-321.141 χ^2/NDF: 29.6/20

All: 727.034+/-232.575 χ^2/NDF: 46.8/42

- sign 848.118+/-337.272 χ^2/NDF: 17.0/21

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

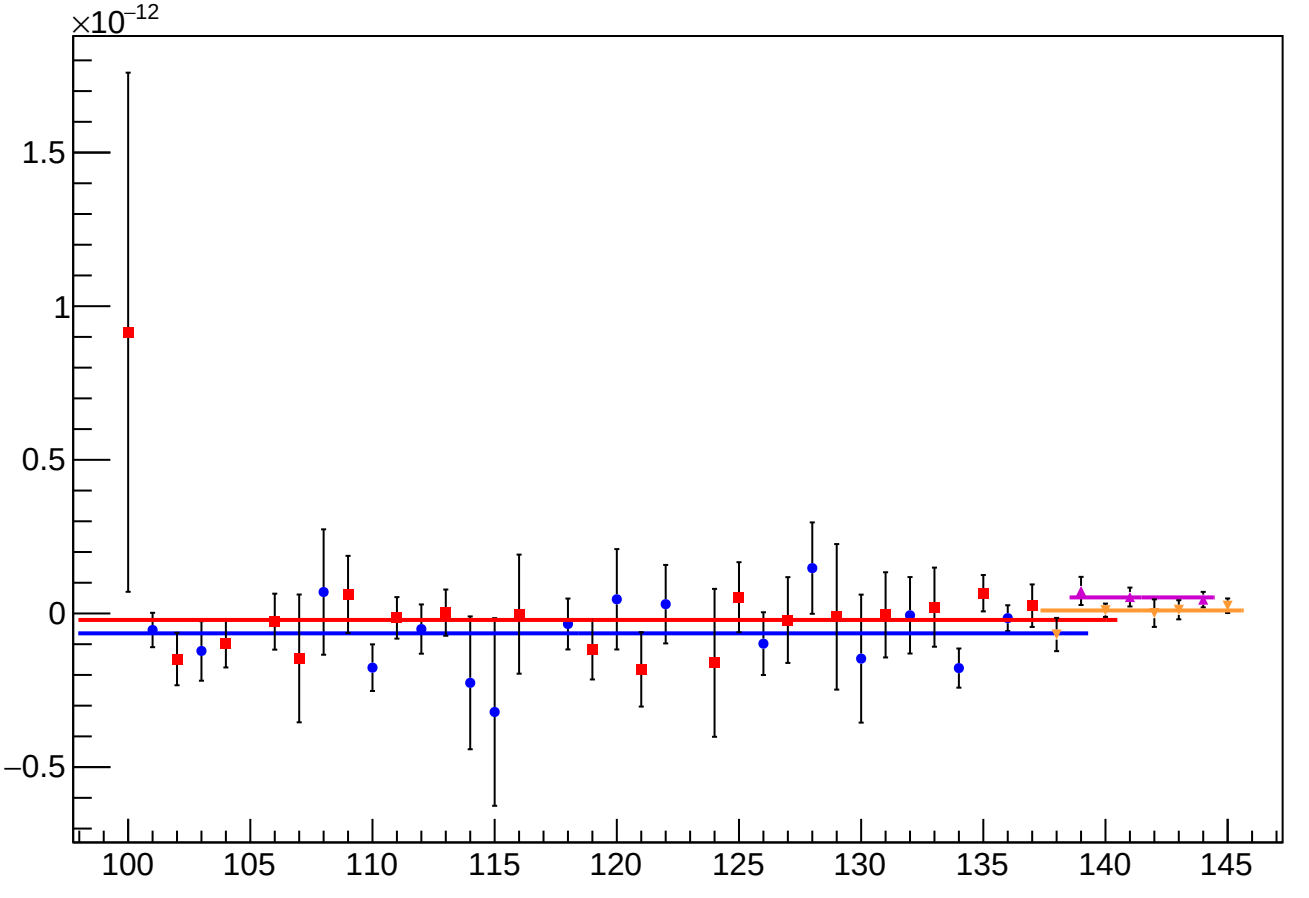
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 883.901+/-0.391 χ^2/NDF:83275.0/2

+ sign 1024.649+/-0.227 χ^2/NDF: 1316157.5/20

All: 1030.683+/-0.164 χ^2/NDF: 2421284.1/42

- sign 1037.339+/-0.238 χ^2/NDF: 1103641.7/21



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

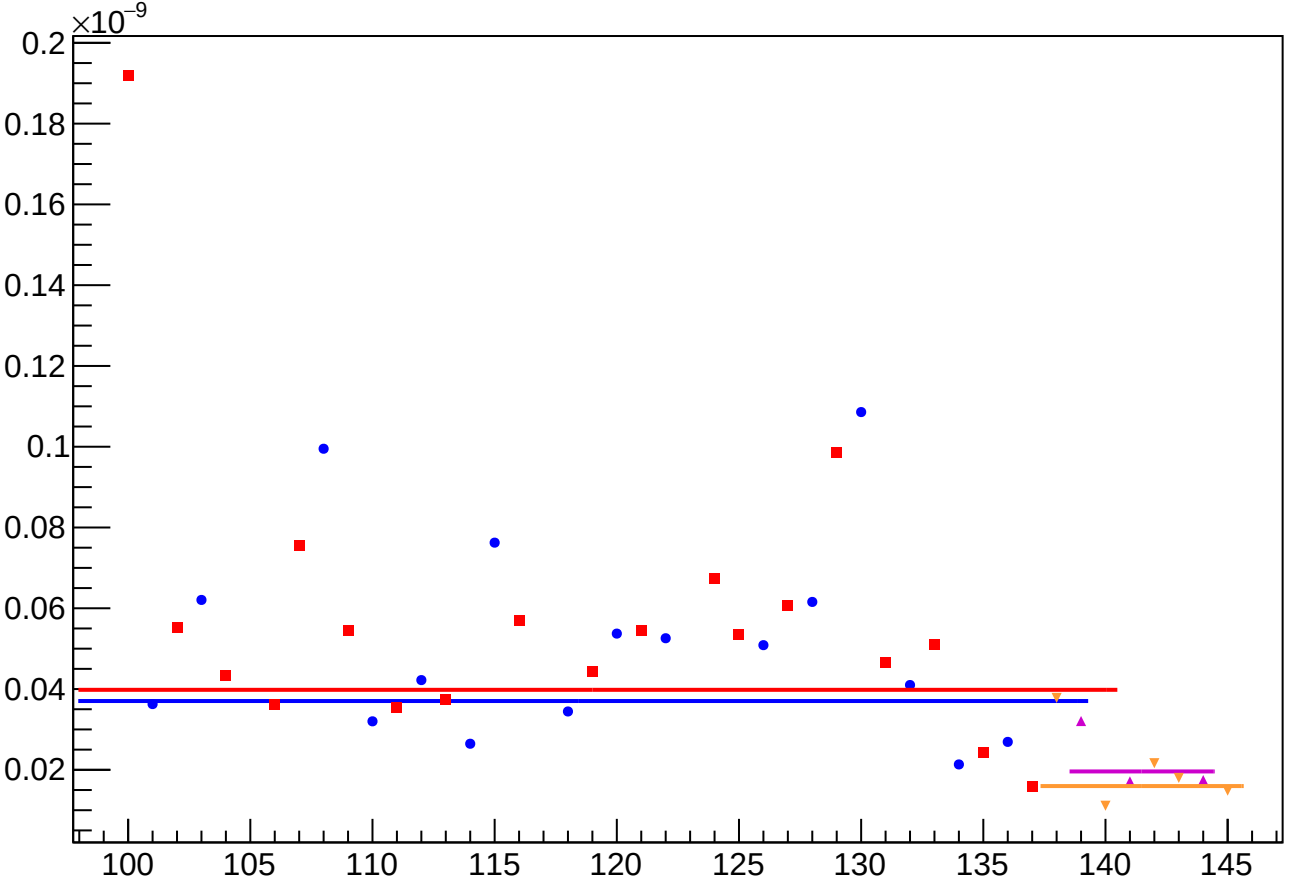
Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

+ sign -0.000+/-0.000 χ^2/NDF: 23.6/20

All: 0.000+/-0.000 χ^2/NDF: 45.3/42

- sign 0.000+/-0.000 χ^2/NDF: 18.1/21

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

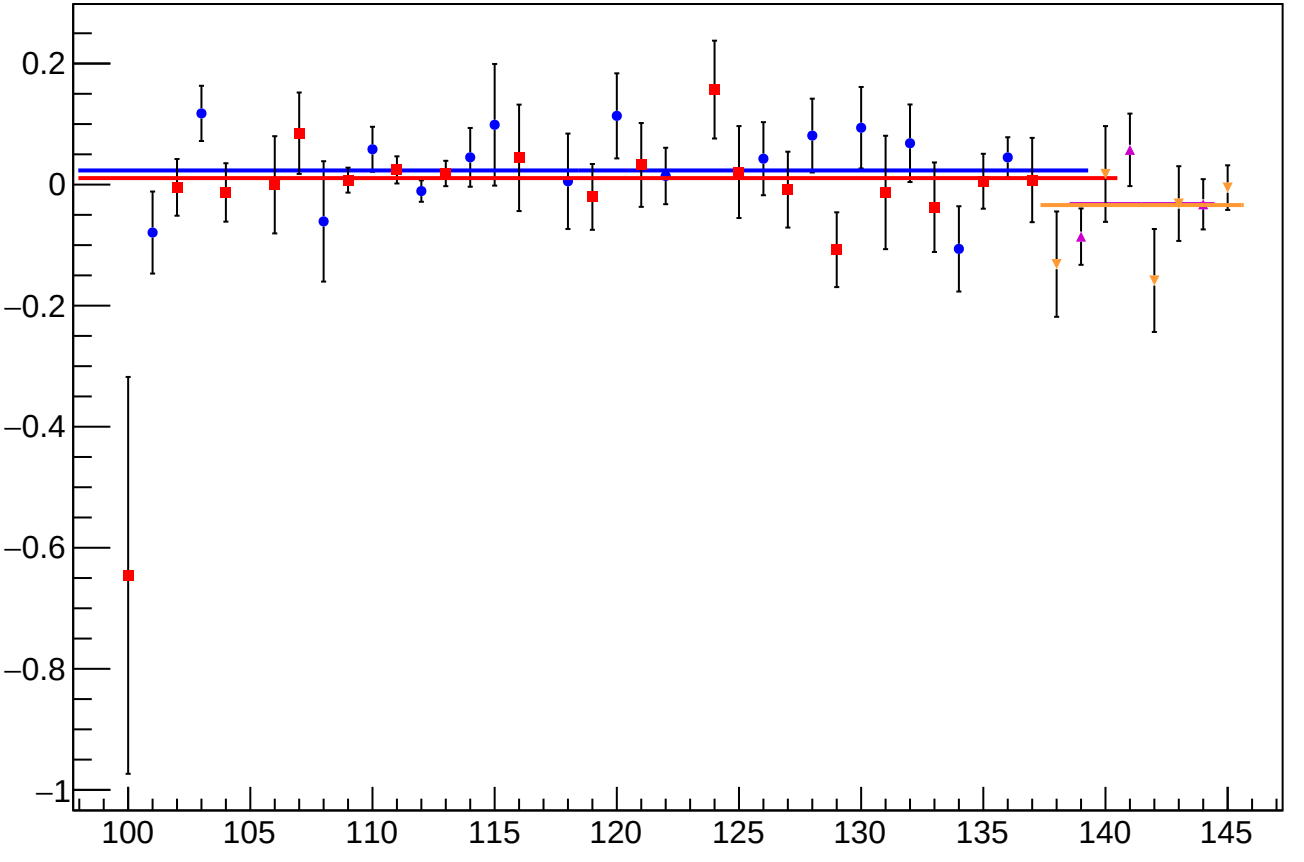
Left In: 0.000+/-0.000 χ^2/NDF:175638.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 2831170.3/20

All: 0.000+/-0.000 χ^2/NDF: 5056816.8/42

- sign 0.000+/-0.000 χ^2/NDF: 2033310.8/21

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

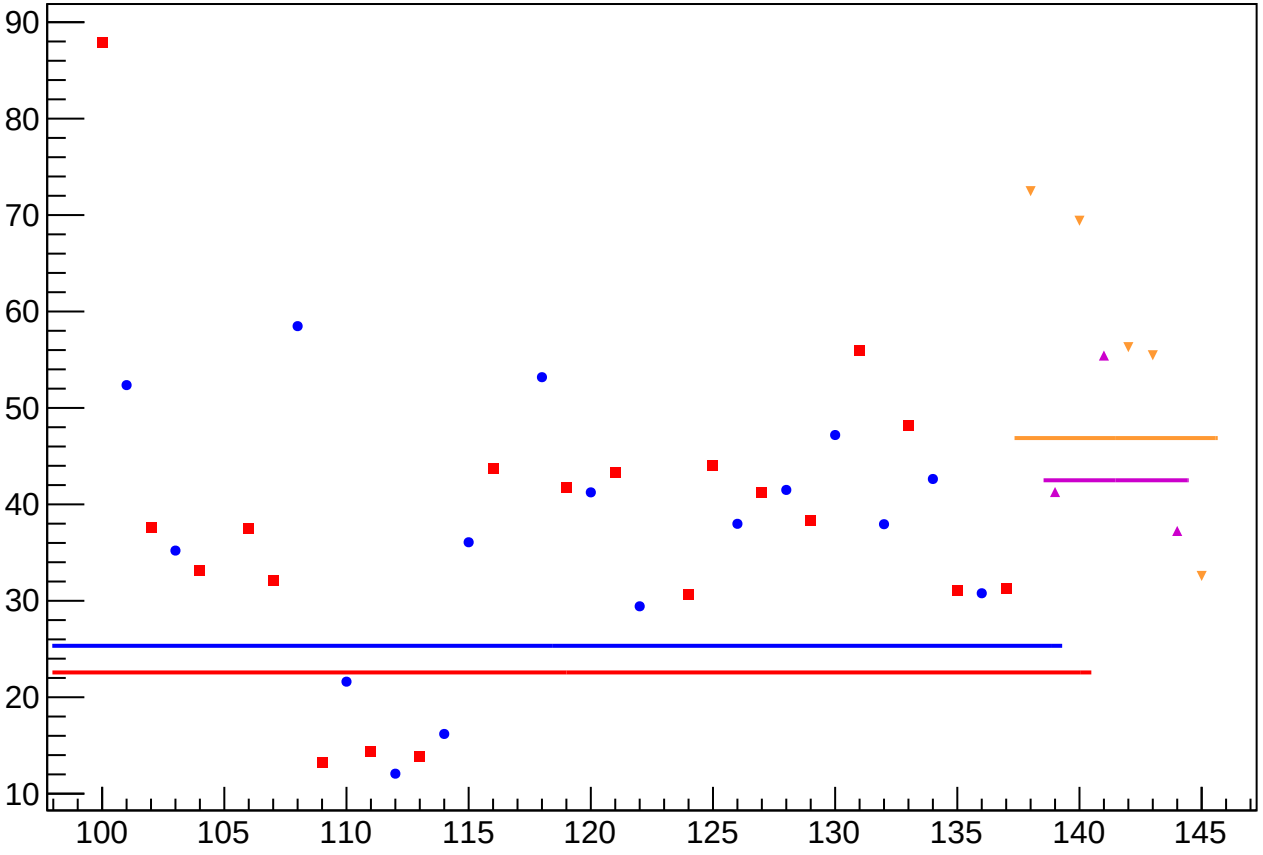
Left In: -0.032+/-0.028 χ^2/NDF:3.6/2

\+ sign 0.015+/-0.010 χ^2/NDF: 29.2/20

All: 0.010+/-0.007 χ^2/NDF: 49.5/42

\- sign 0.006+/-0.009 χ^2/NDF: 20.0/21

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

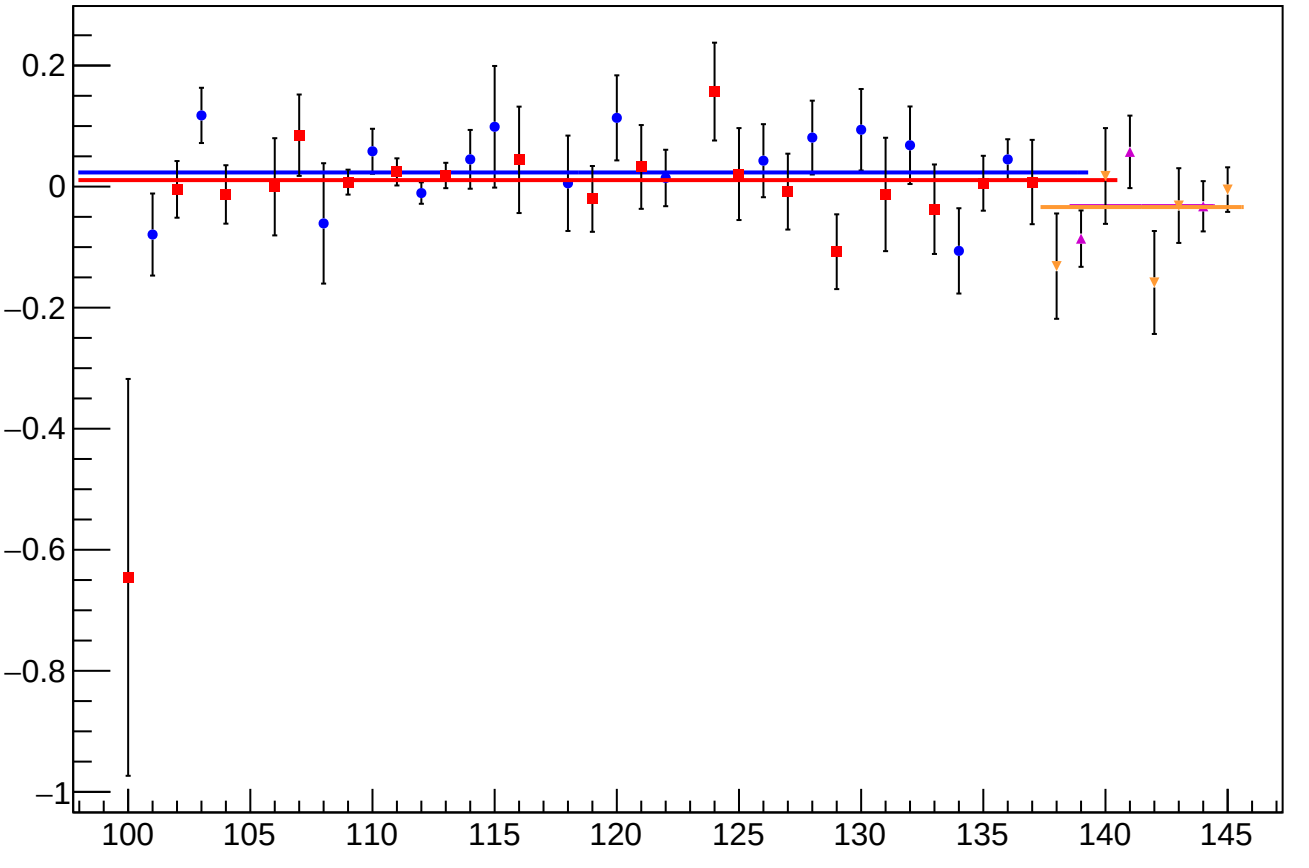
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.498+/-0.019 χ^2/NDF:126686.5/2

+ sign 28.544+/-0.007 χ^2/NDF: 4754144.2/20

All: 26.492+/-0.005 χ^2/NDF: 9097830.2/42

- sign 24.814+/-0.007 χ^2/NDF: 4196830.9/21



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

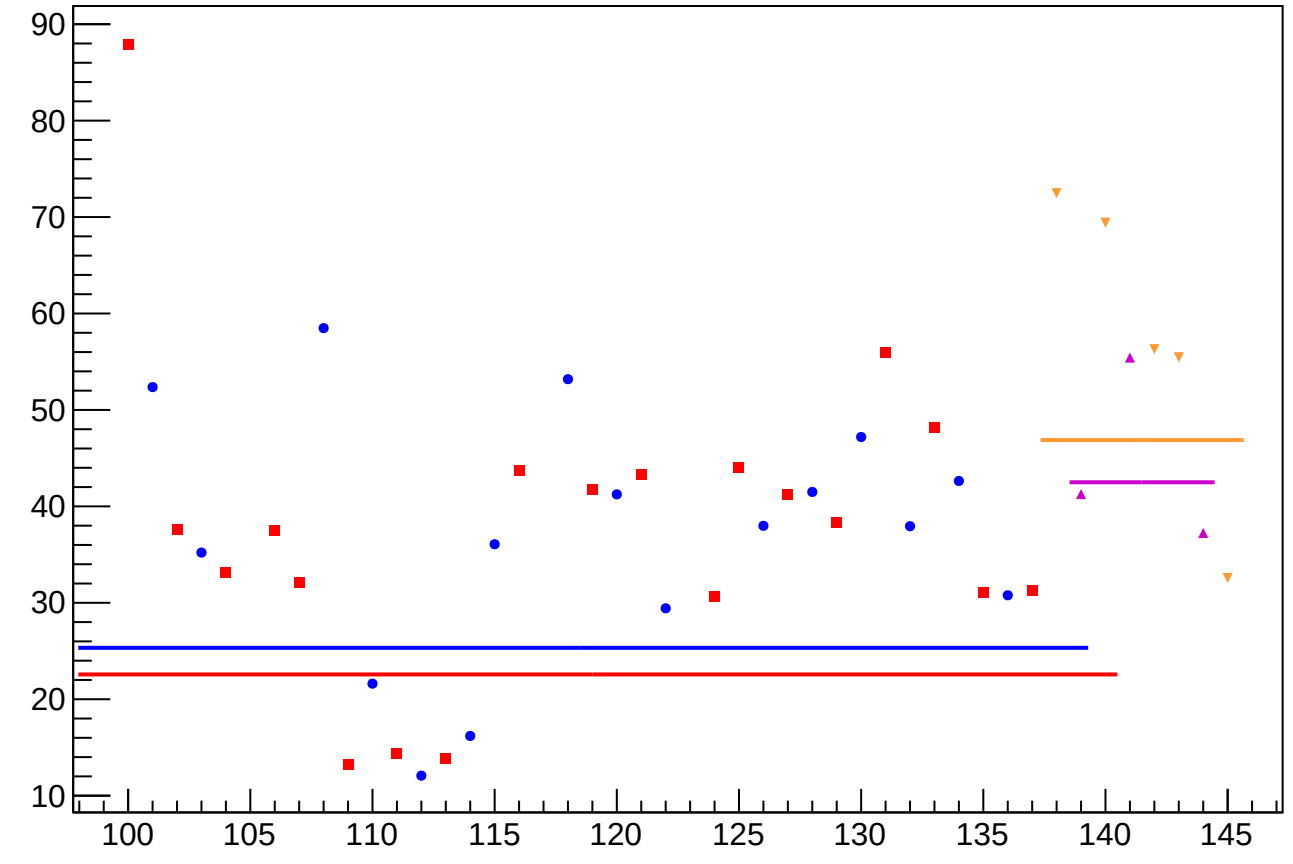
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.032+/-0.028 χ^2/NDF:3.6/2

+ sign 0.015+/-0.010 χ^2/NDF: 29.2/20

All: 0.010+/-0.007 χ^2/NDF: 49.5/42

- sign 0.006+/-0.009 χ^2/NDF: 20.0/21



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.876+/-0.019 χ^2/NDF:699996.8/4

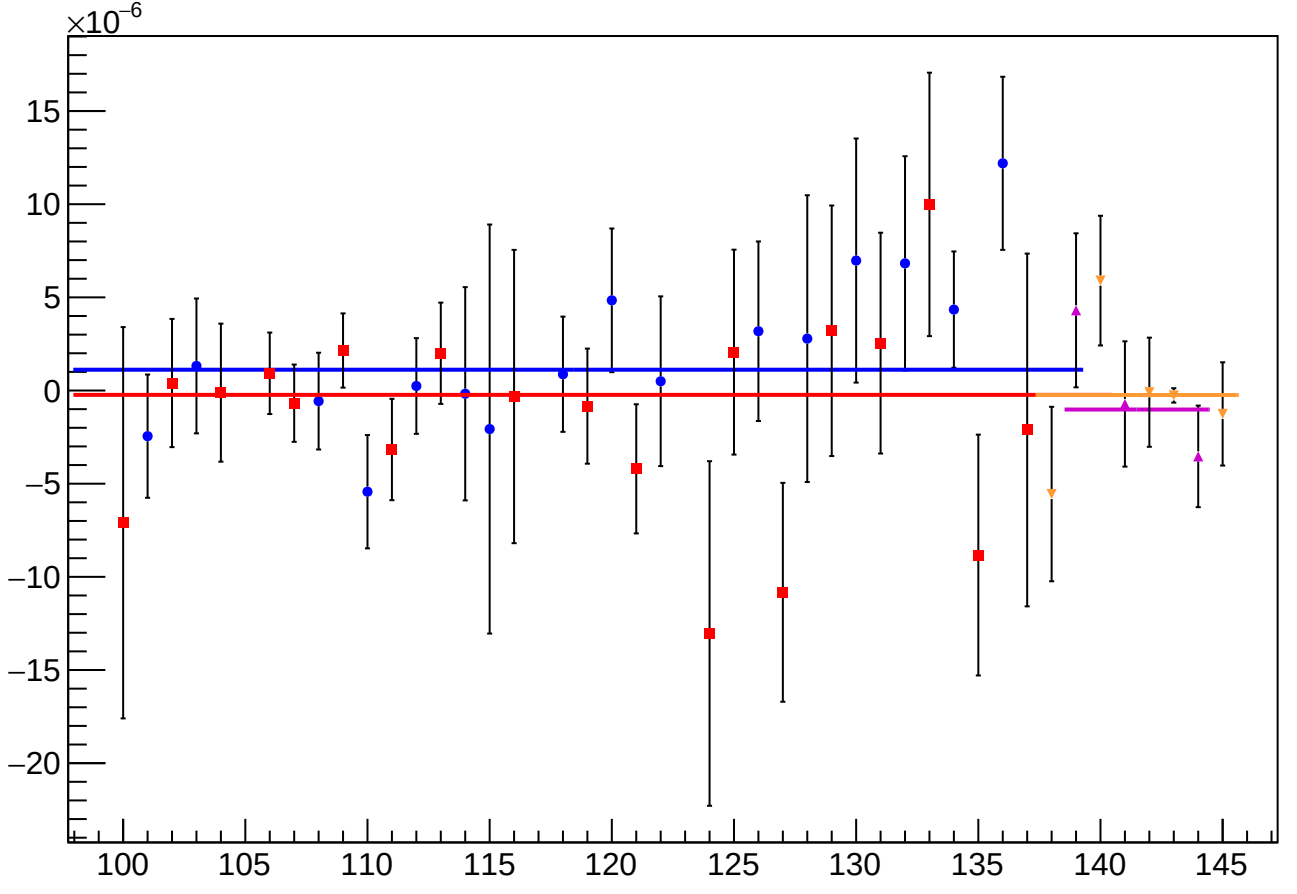
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.498+/-0.019 χ^2/NDF:126686.5/2

+ sign 28.544+/-0.007 χ^2/NDF: 4754144.2/20

All: 26.492+/-0.005 χ^2/NDF: 9097830.2/42

- sign 24.814+/-0.007 χ^2/NDF: 4196830.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

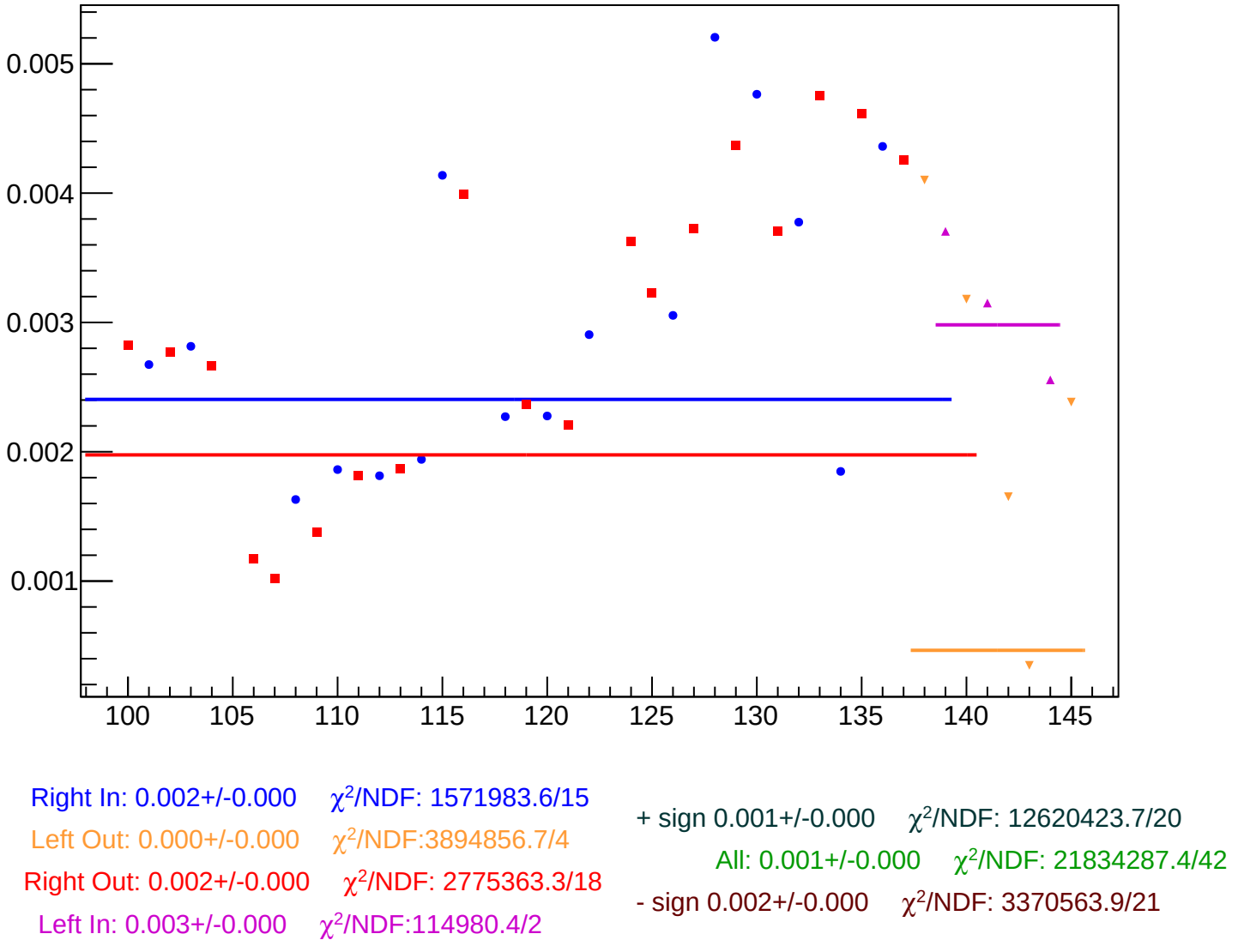
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

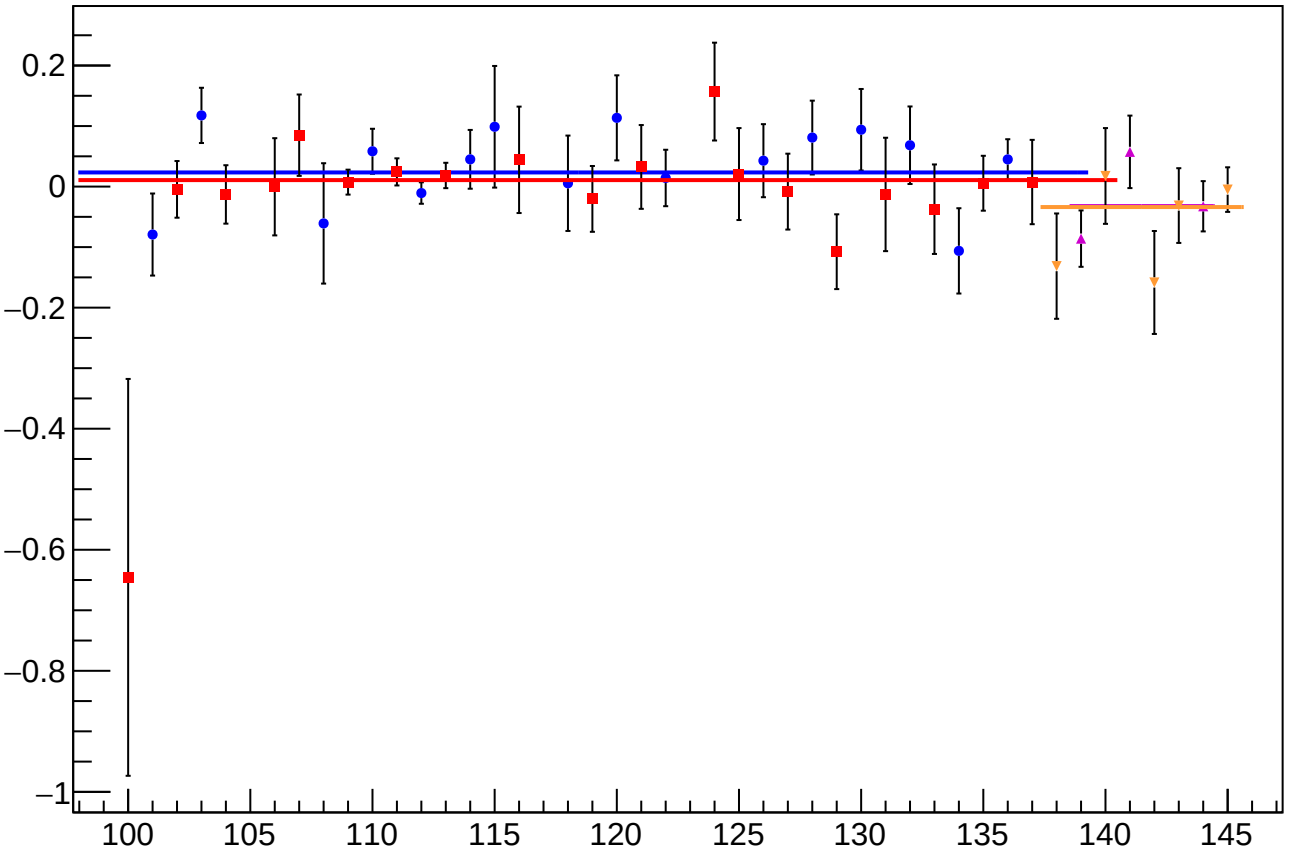
Left In: -0.000+/-0.000 χ^2/NDF:2.5/2

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/20

All: -0.000+/-0.000 χ^2/NDF: 40.4/42

- sign -0.000+/-0.000 χ^2/NDF: 17.8/21


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.000 χ²/NDF: 1571983.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3894856.7/4
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.003+/-0.000 χ²/NDF:114980.4/2
+ sign 0.001+/-0.000 χ²/NDF: 12620423.7/20
All: 0.001+/-0.000 χ²/NDF: 21834287.4/42
- sign 0.002+/-0.000 χ²/NDF: 3370563.9/21



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

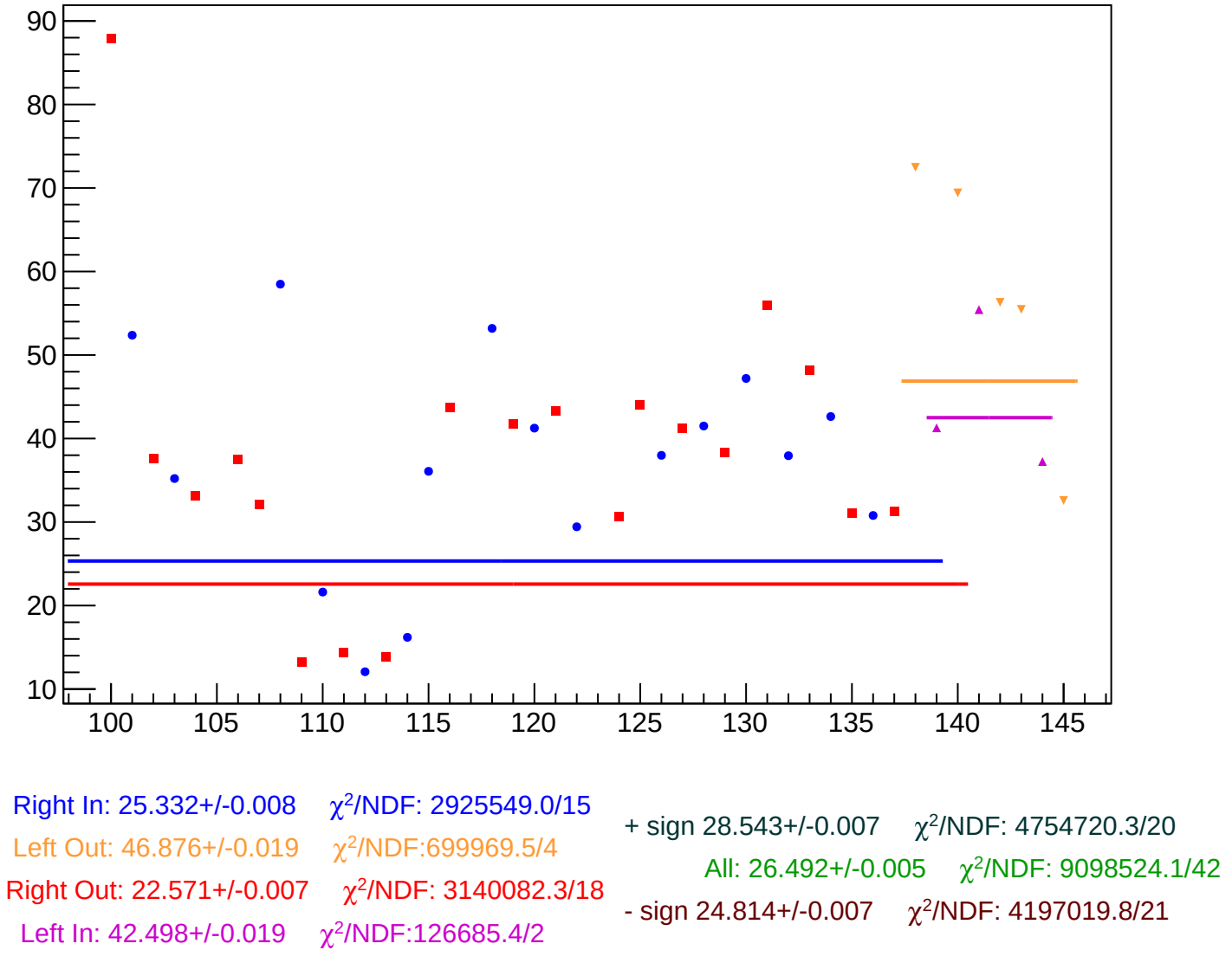
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

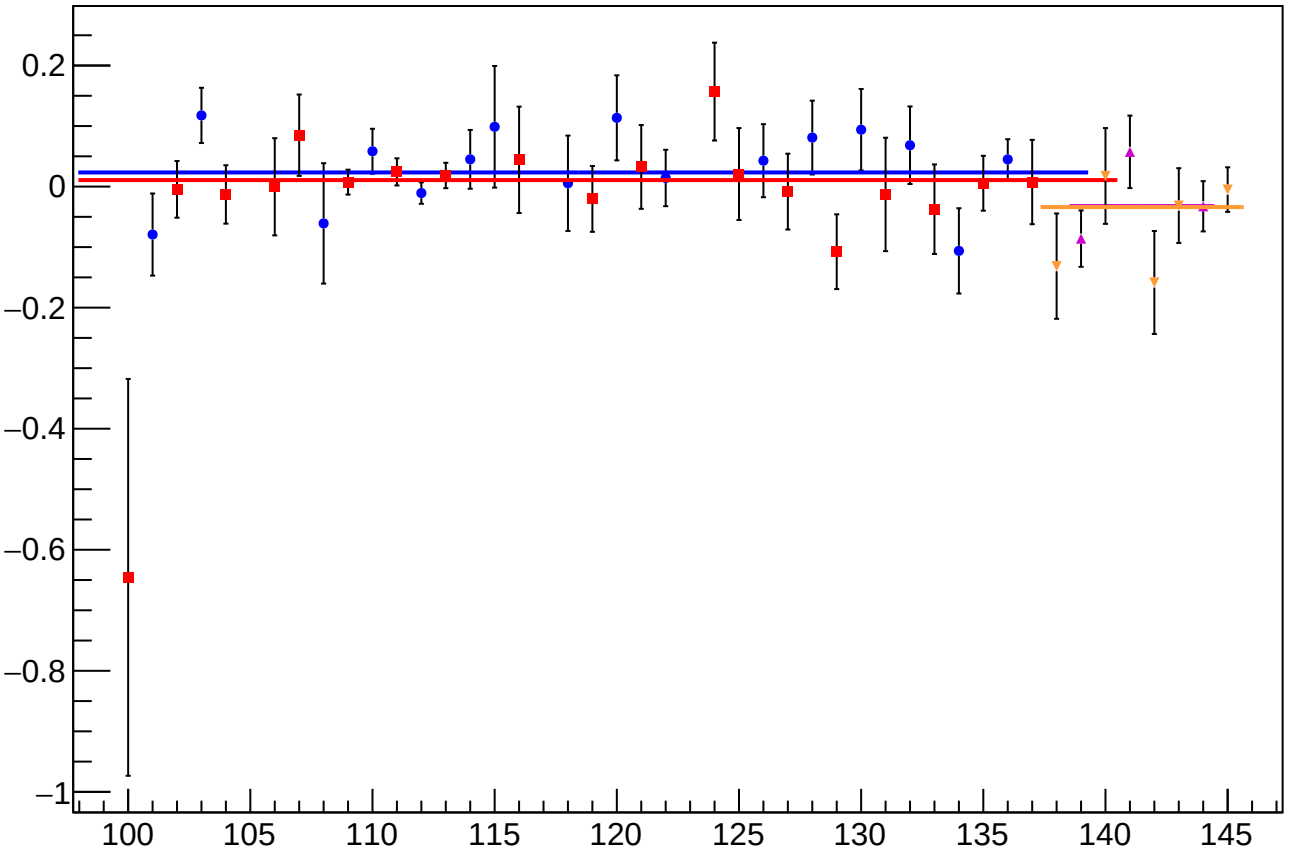
Left In: -0.032+/-0.028 χ^2/NDF:3.6/2

+ sign 0.015+/-0.010 χ^2/NDF: 29.2/20

All: 0.010+/-0.007 χ^2/NDF: 49.5/42

- sign 0.006+/-0.009 χ^2/NDF: 20.0/21


asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 46.876+/-0.019 χ²/NDF:699969.5/4
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 42.498+/-0.019 χ²/NDF:126685.4/2
+ sign 28.543+/-0.007 χ²/NDF: 4754720.3/20
All: 26.492+/-0.005 χ²/NDF: 9098524.1/42
- sign 24.814+/-0.007 χ²/NDF: 4197019.8/21



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

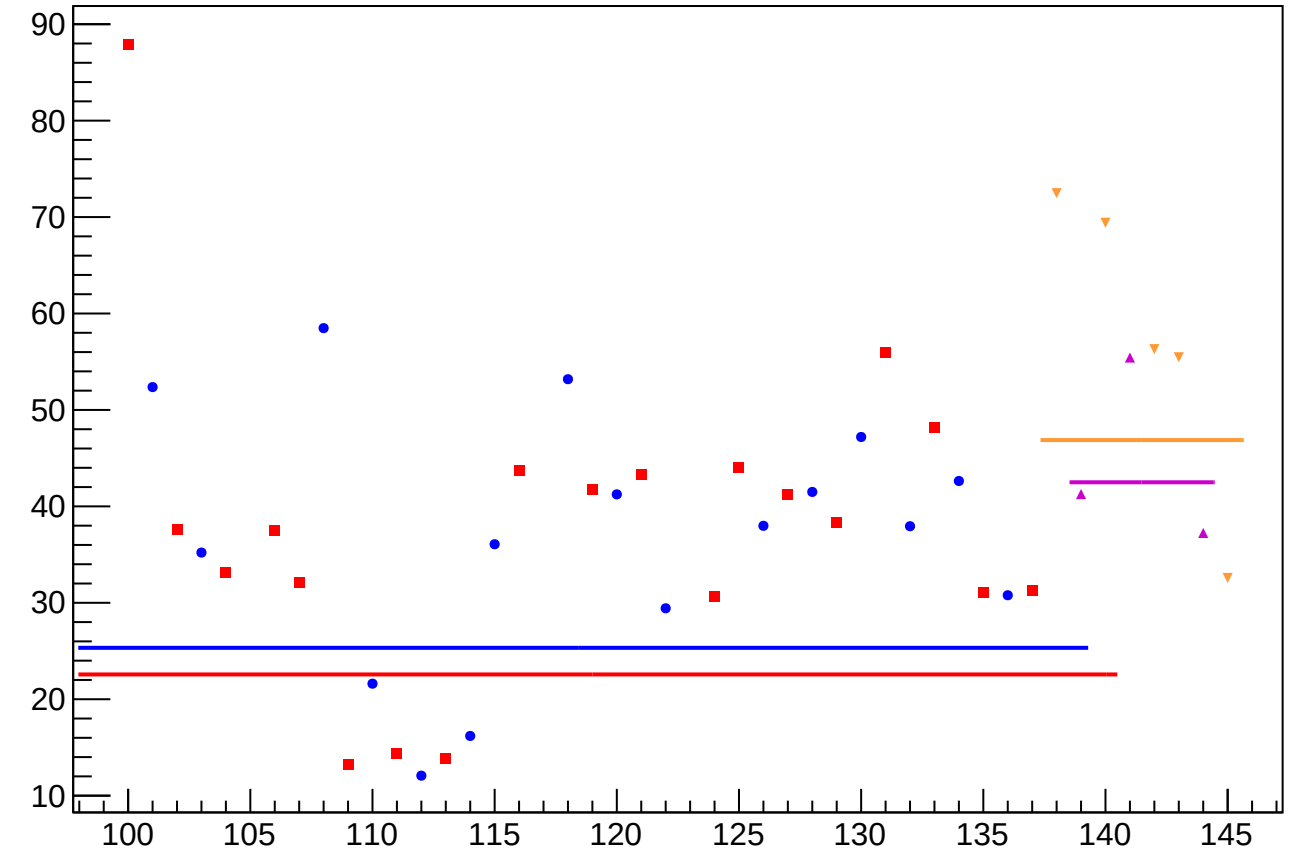
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.032+/-0.028 χ^2/NDF:3.6/2

\+ sign 0.015+/-0.010 χ^2/NDF: 29.2/20

All: 0.010+/-0.007 χ^2/NDF: 49.5/42

\- sign 0.006+/-0.009 χ^2/NDF: 20.0/21



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

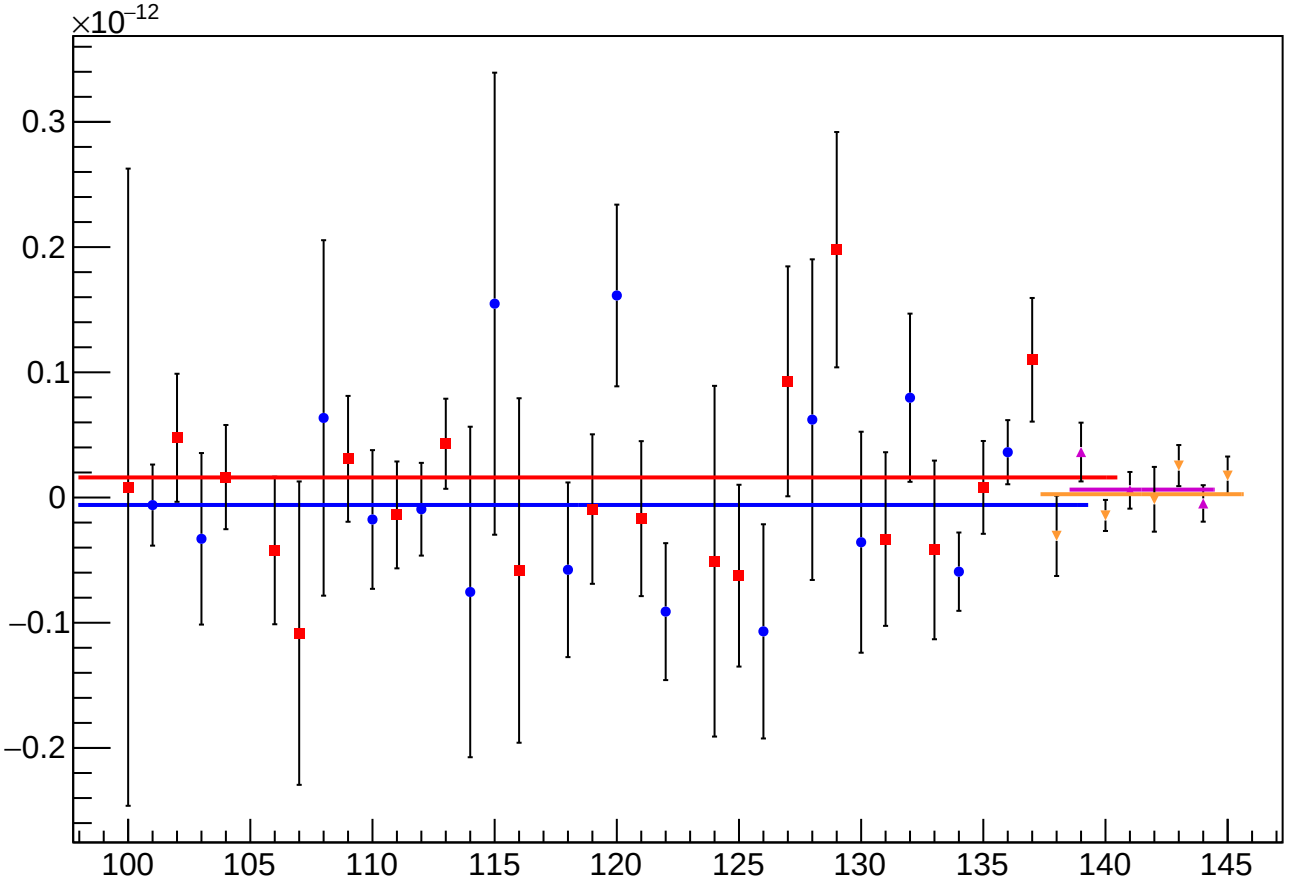
Left In: 42.498+/-0.019 χ^2/NDF:126685.4/2

+ sign 28.543+/-0.007 χ^2/NDF: 4754720.3/20

All: 26.492+/-0.005 χ^2/NDF: 9098524.1/42

- sign 24.814+/-0.007 χ^2/NDF: 4197019.8/21

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

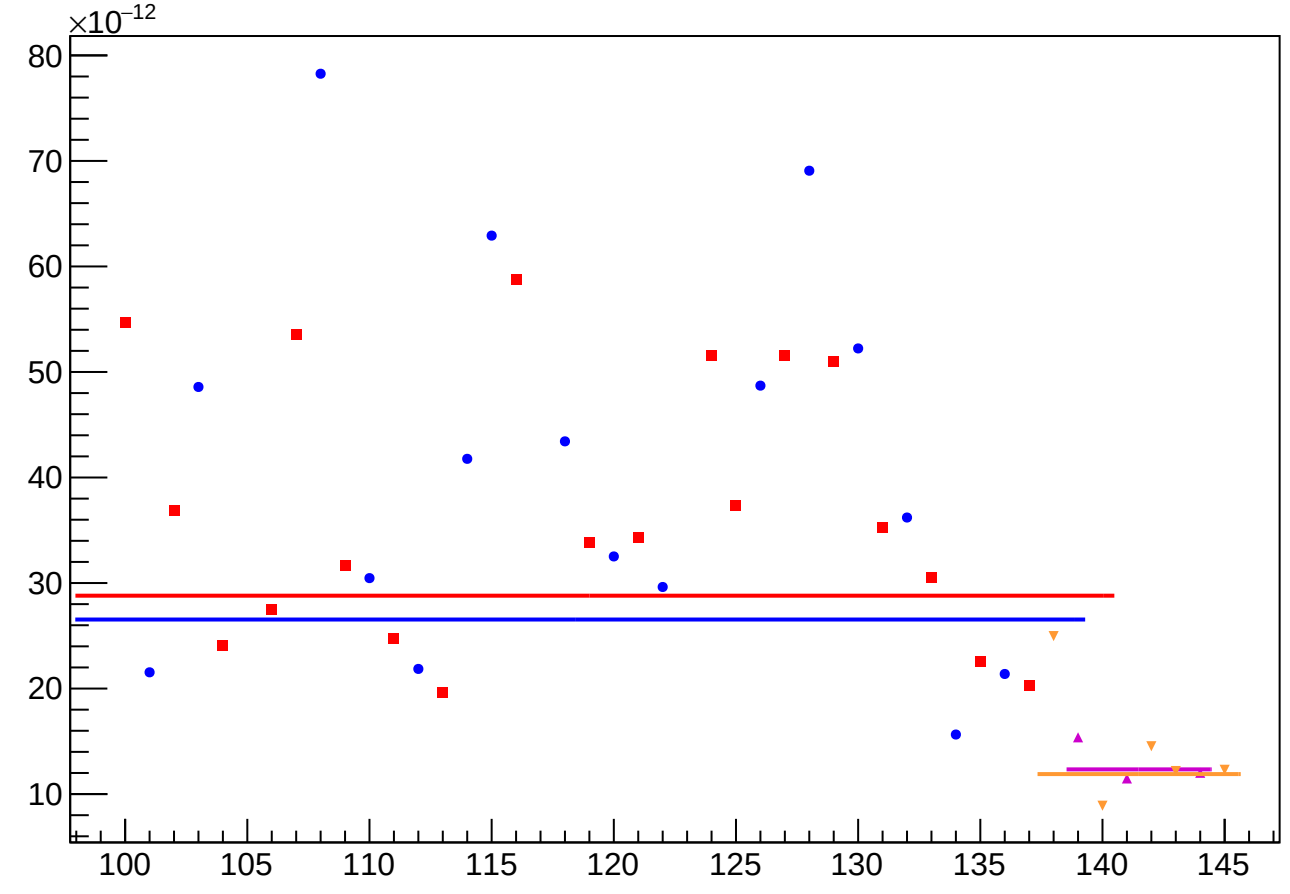
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/20

All: 0.000+/-0.000 χ^2/NDF: 43.4/42

- sign 0.000+/-0.000 χ^2/NDF: 17.5/21



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

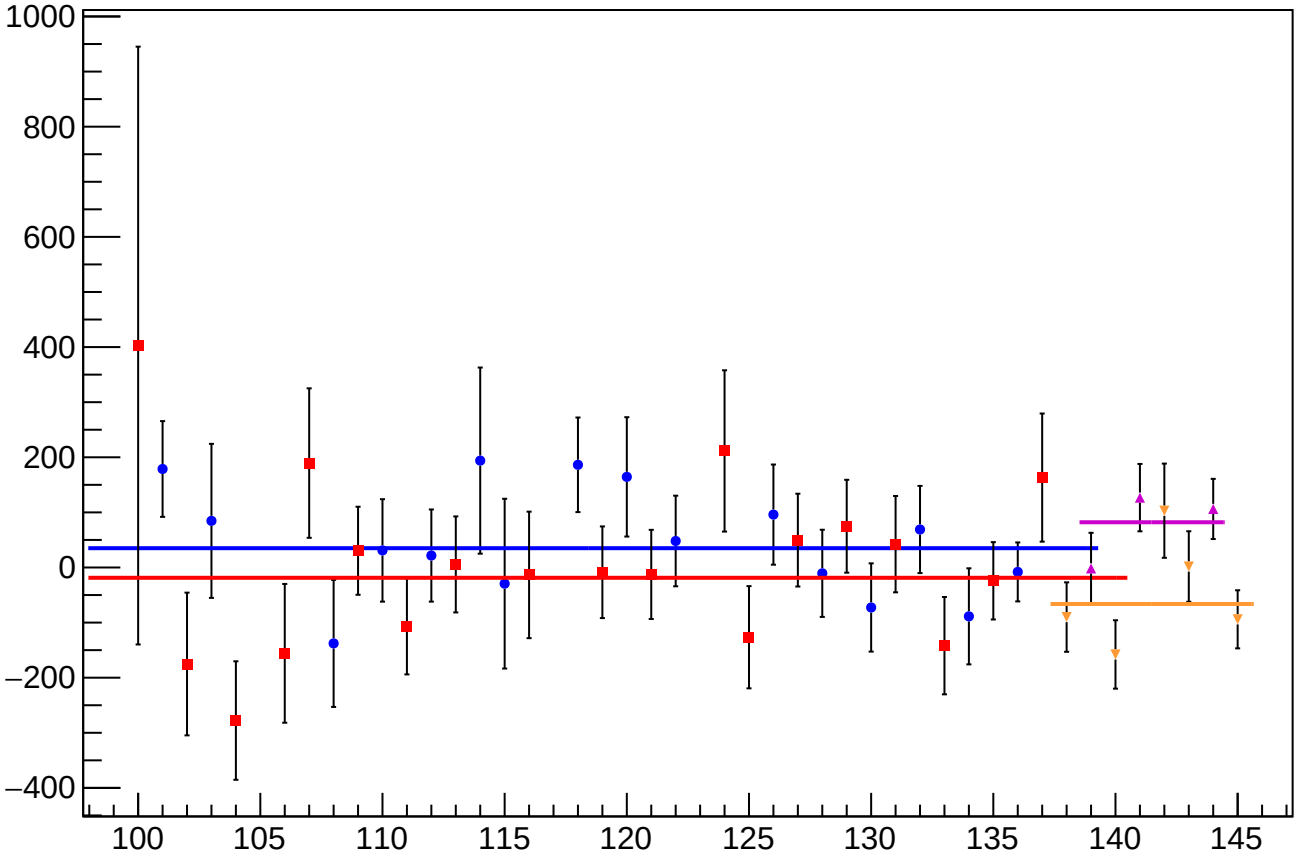
Left In: 0.000+/-0.000 χ^2/NDF:41414.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 4109399.0/20

All: 0.000+/-0.000 χ^2/NDF: 7180568.5/42

- sign 0.000+/-0.000 χ^2/NDF: 2987982.2/21

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

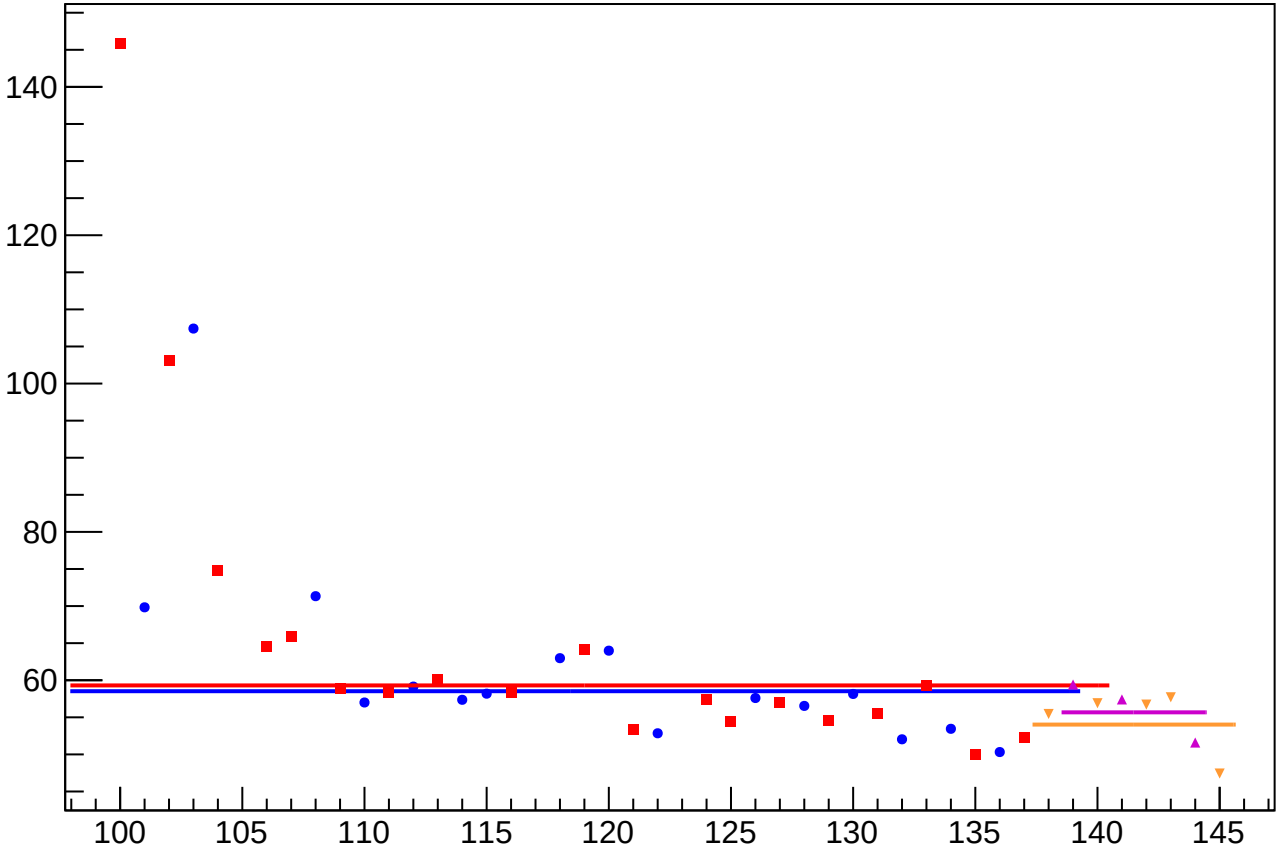
Left In: 82.087+/-34.454 χ^2/NDF:2.4/2

+ sign -3.483+/-17.425 χ^2/NDF: 31.8/20

All: 3.163+/-12.724 χ^2/NDF: 64.1/42

- sign 10.756+/-18.624 χ^2/NDF: 32.0/21

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

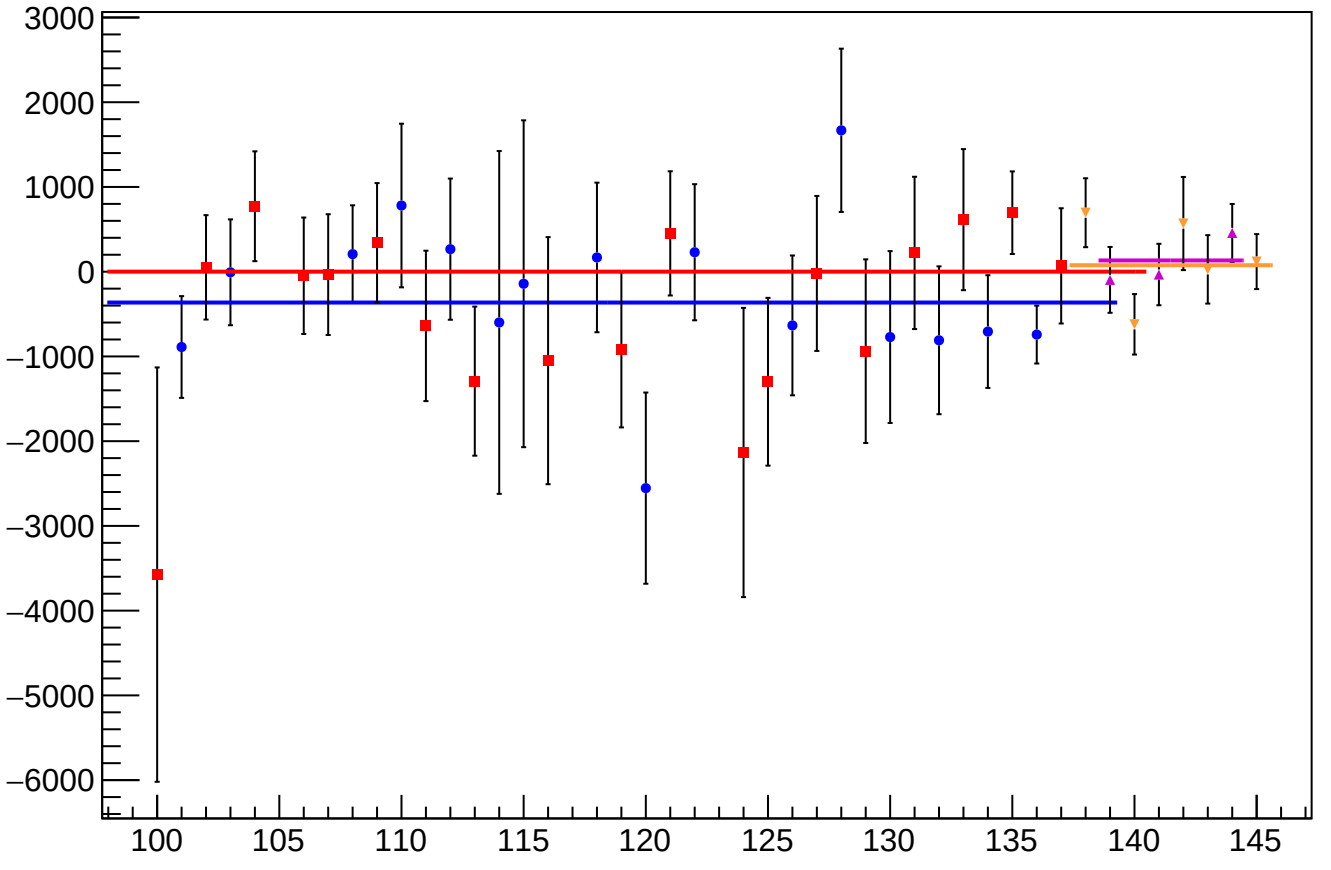
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 55.672+/-0.024 χ^2/NDF:19478.5/2

+ sign 56.810+/-0.012 χ^2/NDF: 469464.1/20

All: 57.478+/-0.009 χ^2/NDF: 917553.1/42

- sign 58.241+/-0.013 χ^2/NDF: 441796.8/21



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

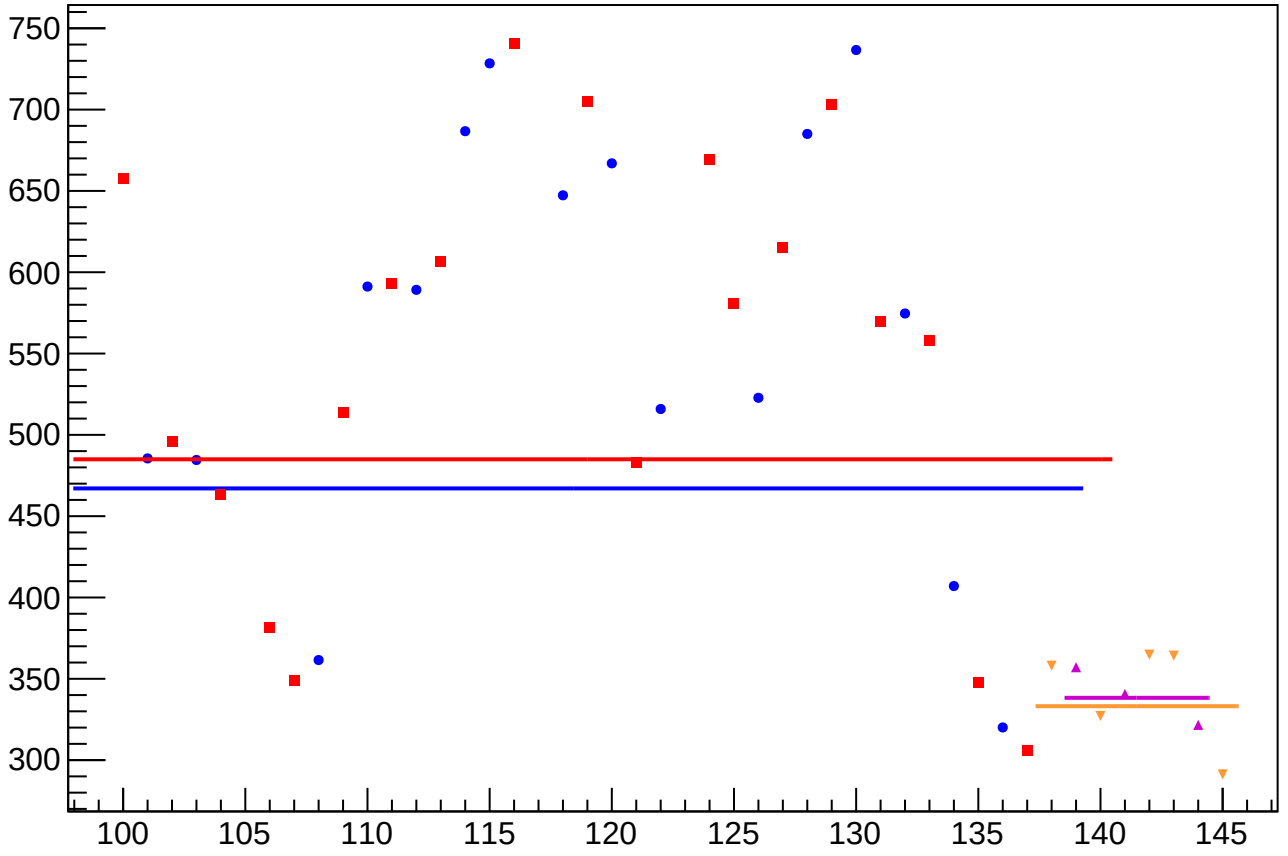
Left In: 132.778+/-209.438 χ^2/NDF:1.5/2

+ sign -136.225+/-125.486 χ^2/NDF: 25.3/20

All: -48.280+/-92.793 χ^2/NDF: 43.1/42

- sign 57.837+/-137.842 χ^2/NDF: 16.8/21

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

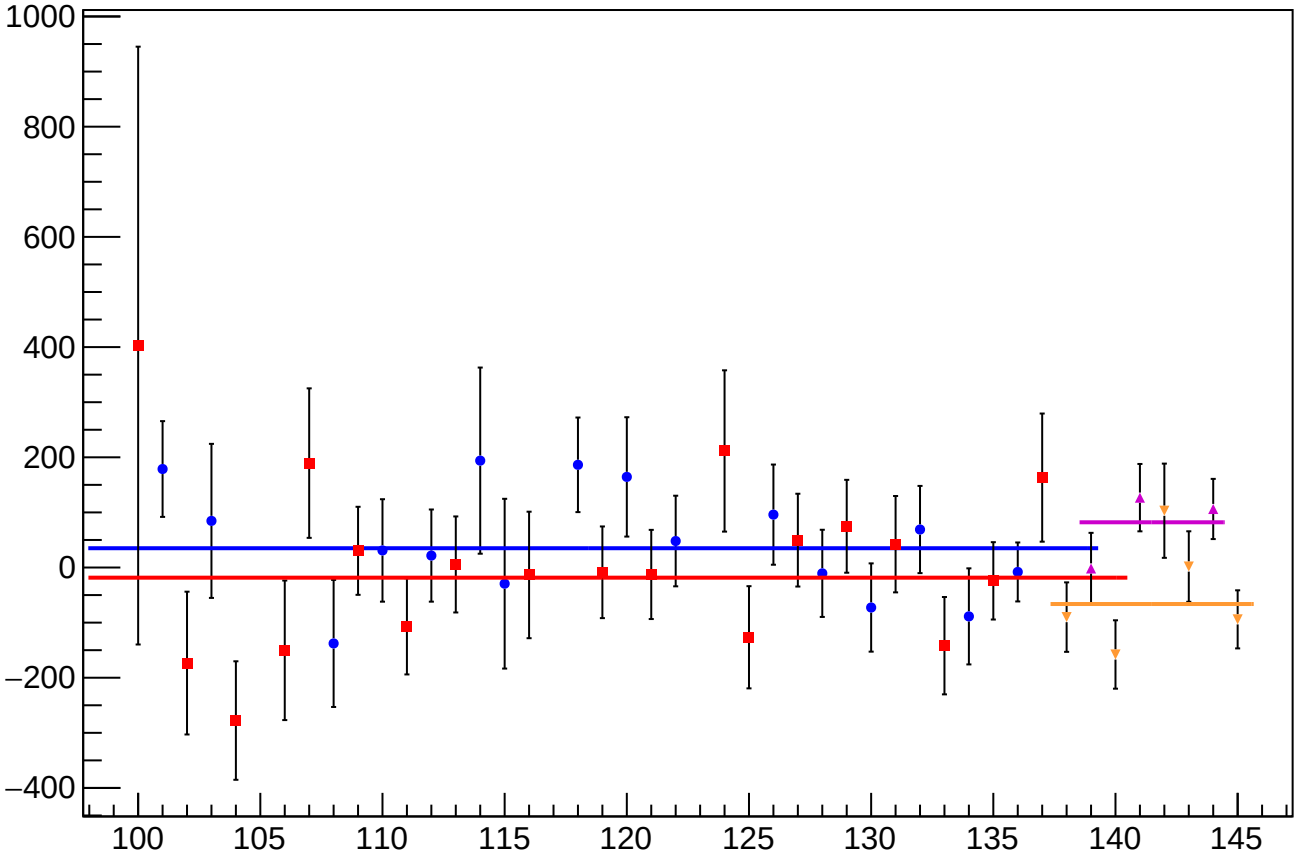
Left In: 338.311+/-0.148 χ^2/NDF:9512.5/2

\+ sign 397.813+/-0.089 χ^2/NDF: 1658913.8/20

All: 408.524+/-0.066 χ^2/NDF: 3130668.4/42

\- sign 421.449+/-0.097 χ^2/NDF: 1439597.7/21

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

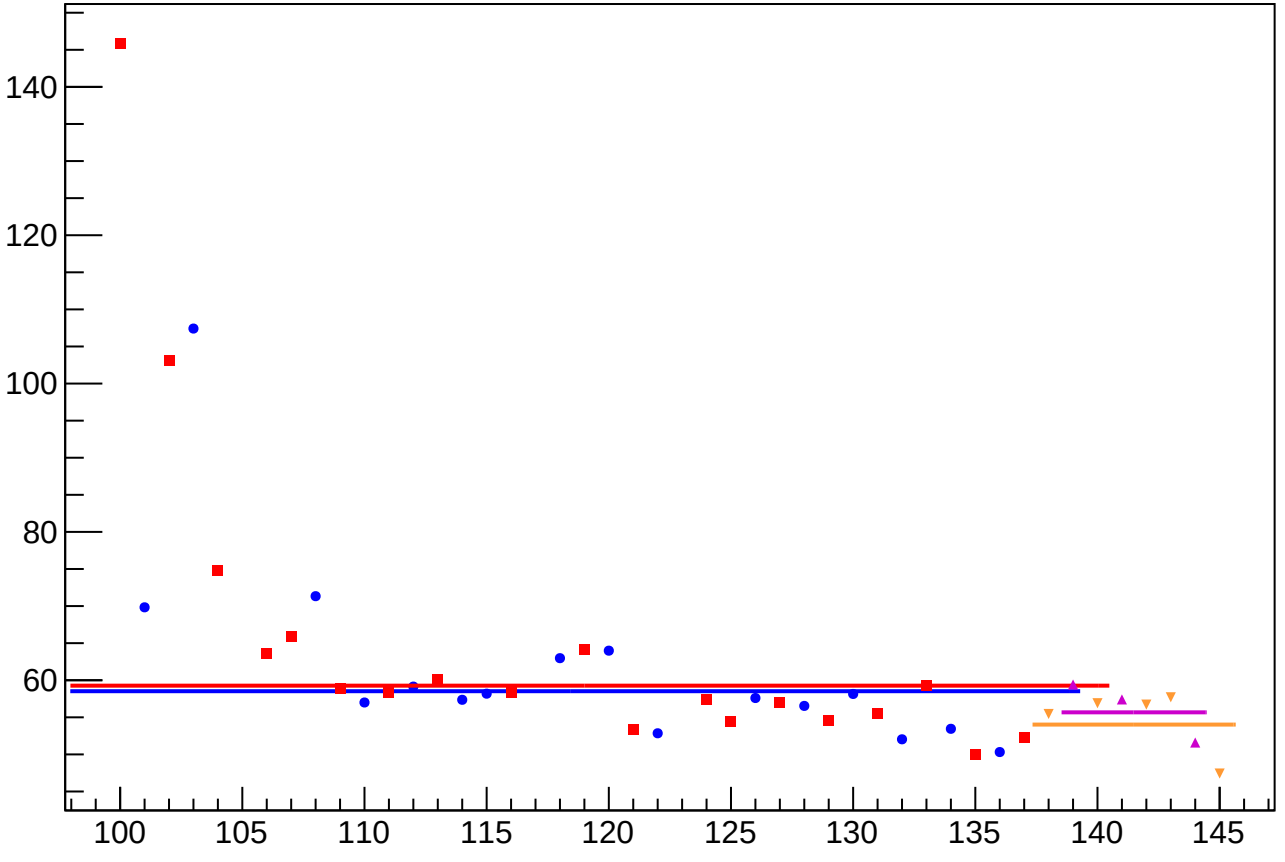
Left In: 82.086+/-34.454 χ^2/NDF:2.4/2

+ sign -3.484+/-17.425 χ^2/NDF: 31.8/20

All: 3.256+/-12.725 χ^2/NDF: 63.9/42

- sign 10.957+/-18.627 χ^2/NDF: 31.8/21

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

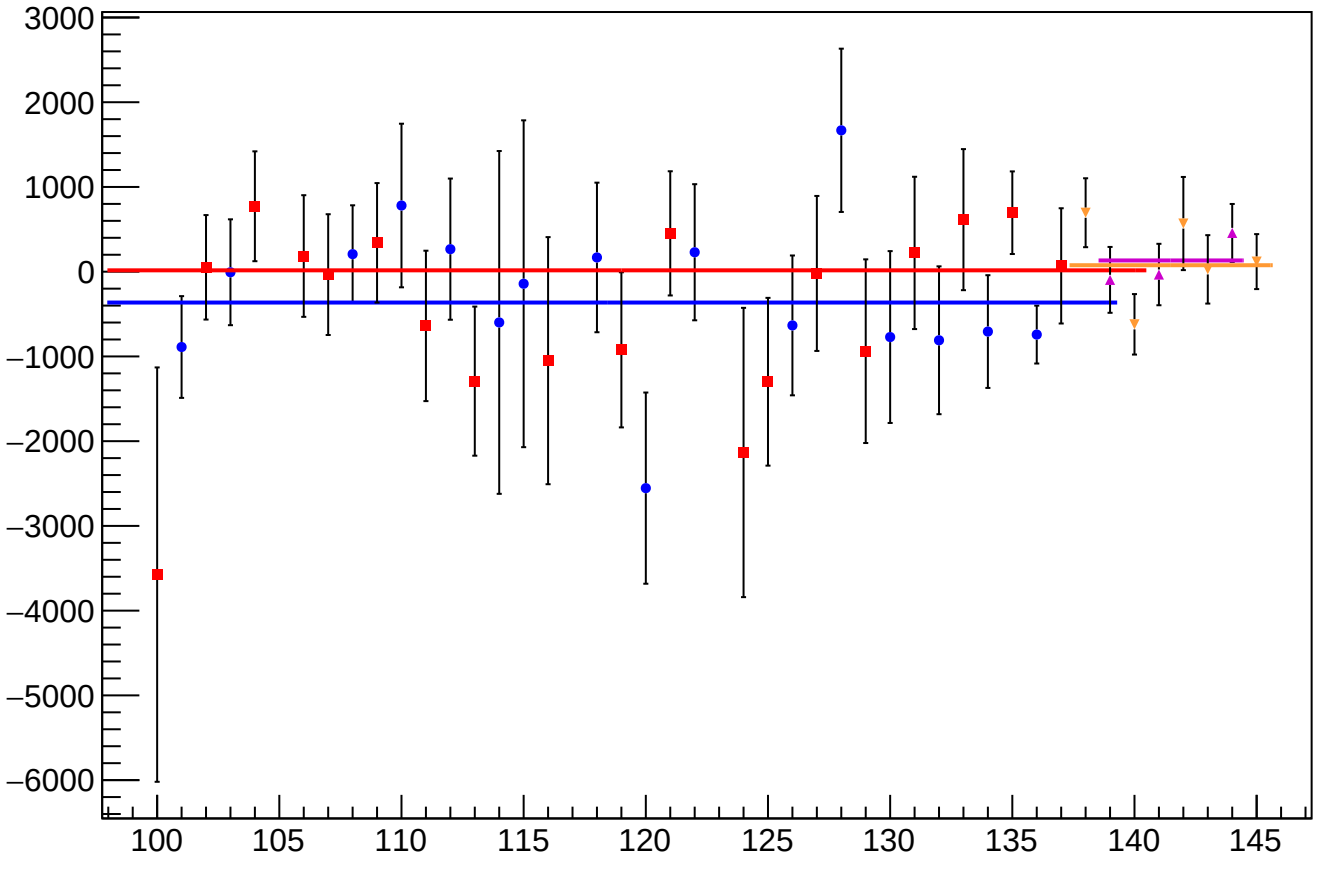
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.672+/-0.024 χ^2/NDF:19478.5/2

+ sign 56.810+/-0.012 χ^2/NDF: 469466.2/20

All: 57.467+/-0.009 χ^2/NDF: 916084.2/42

- sign 58.218+/-0.013 χ^2/NDF: 440525.7/21



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

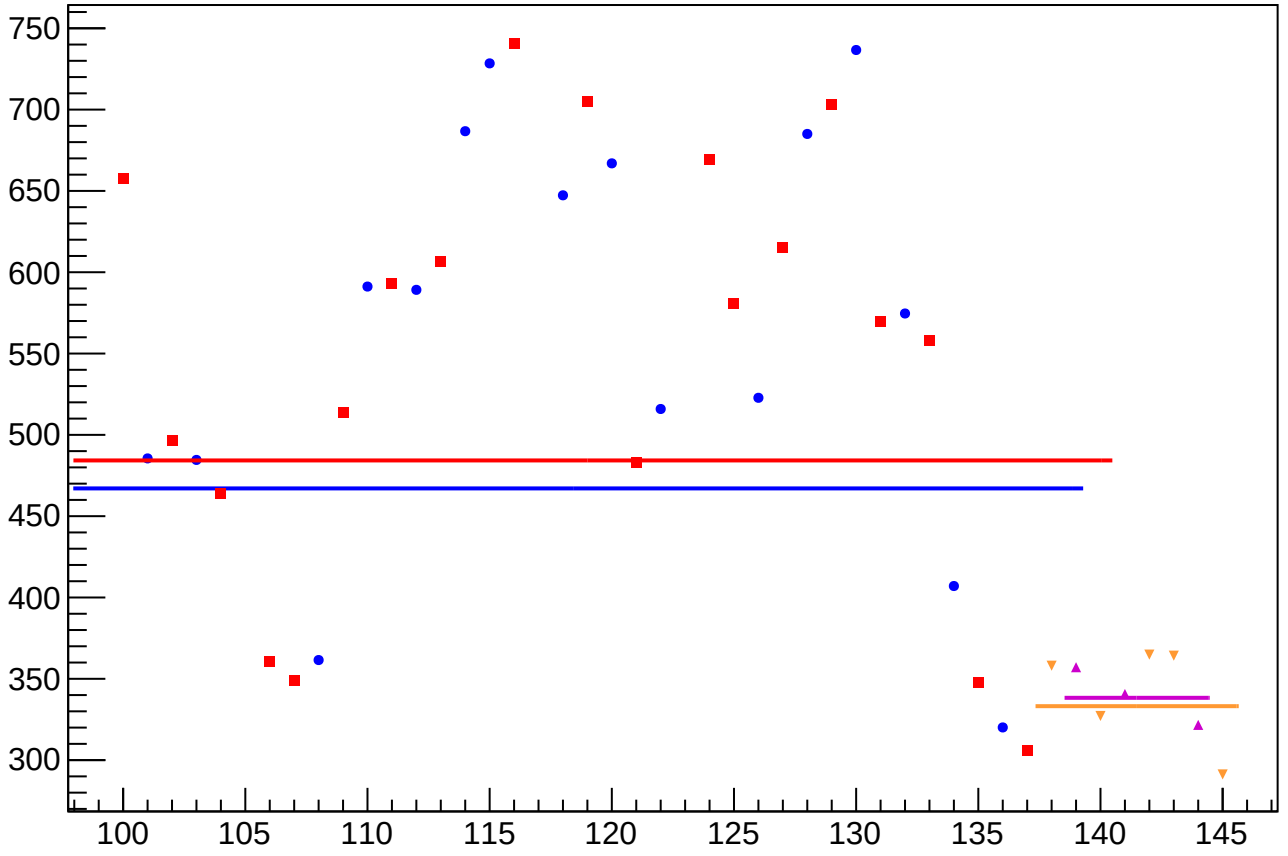
Left In: 132.771+/-209.438 χ^2/NDF:1.5/2

+ sign -136.208+/-125.486 χ^2/NDF: 25.3/20

All: -44.381+/-92.867 χ^2/NDF: 43.2/42

- sign 66.807+/-138.083 χ^2/NDF: 16.8/21

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

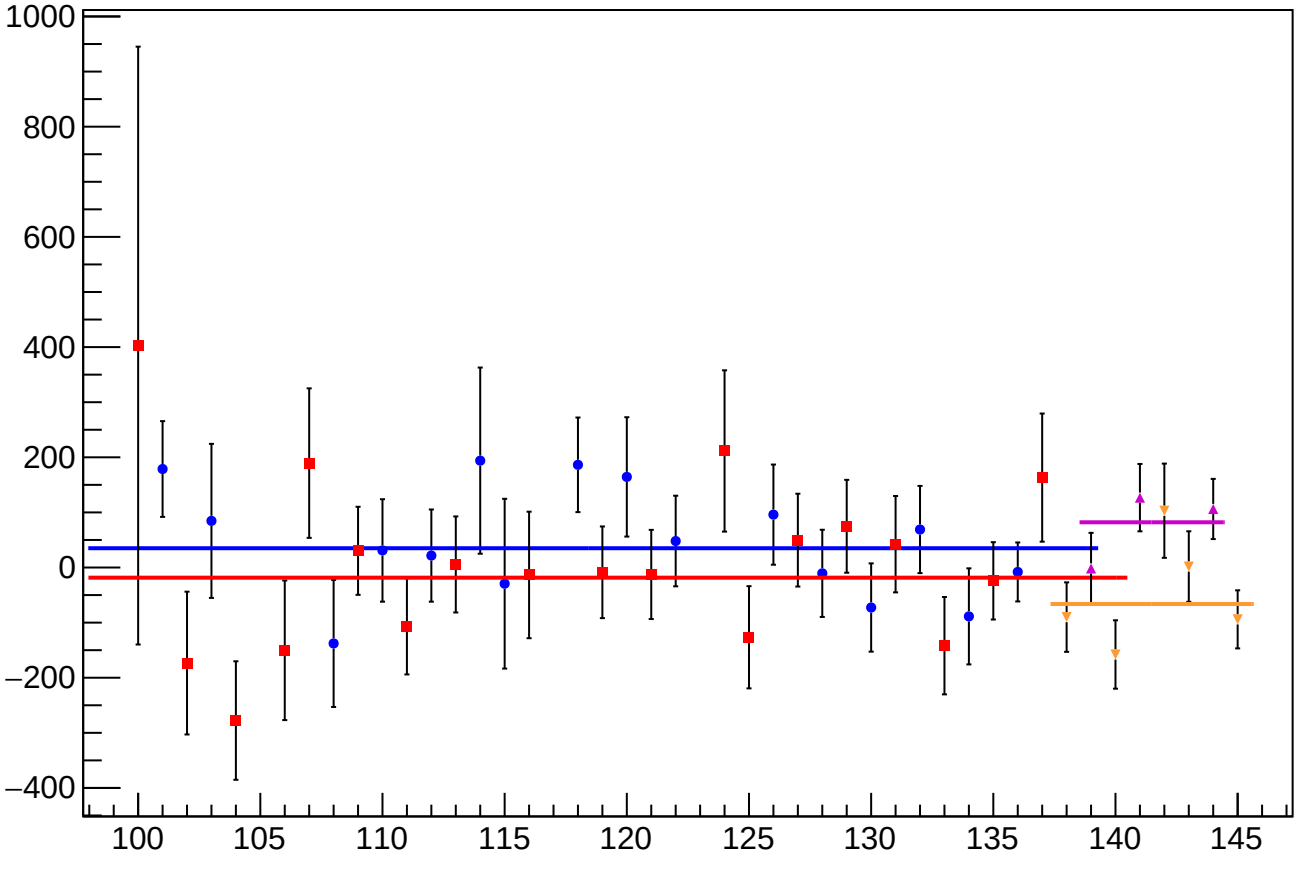
Left In: 338.311+/-0.148 χ^2/NDF:9512.4/2

\+ sign 397.814+/-0.089 χ^2/NDF: 1658935.9/20

All: 408.223+/-0.066 χ^2/NDF: 3136828.3/42

\- sign 420.827+/-0.098 χ^2/NDF: 1447466.9/21

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

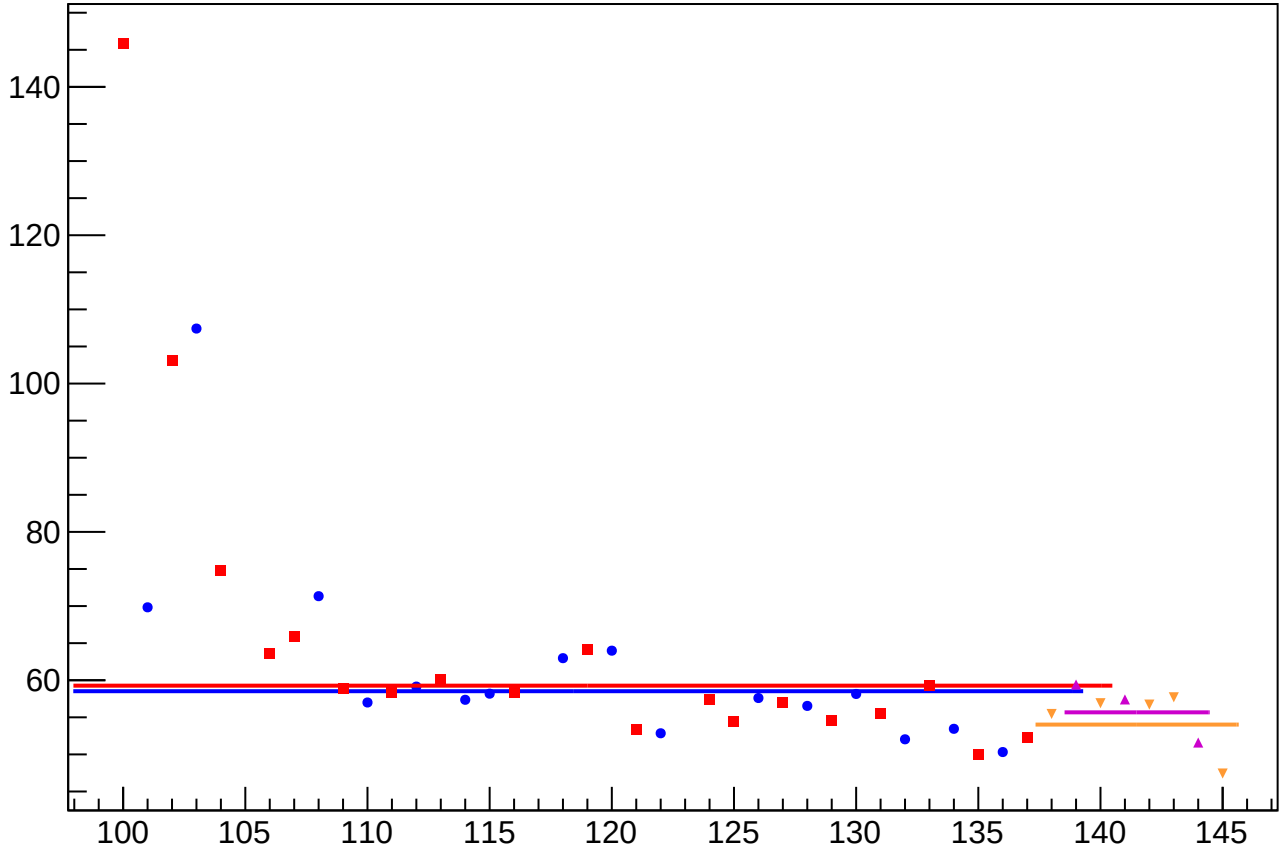
Left In: 82.086+/-34.454 χ^2/NDF:2.4/2

+ sign -3.484+/-17.425 χ^2/NDF: 31.8/20

All: 3.256+/-12.725 χ^2/NDF: 63.9/42

- sign 10.957+/-18.627 χ^2/NDF: 31.8/21

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

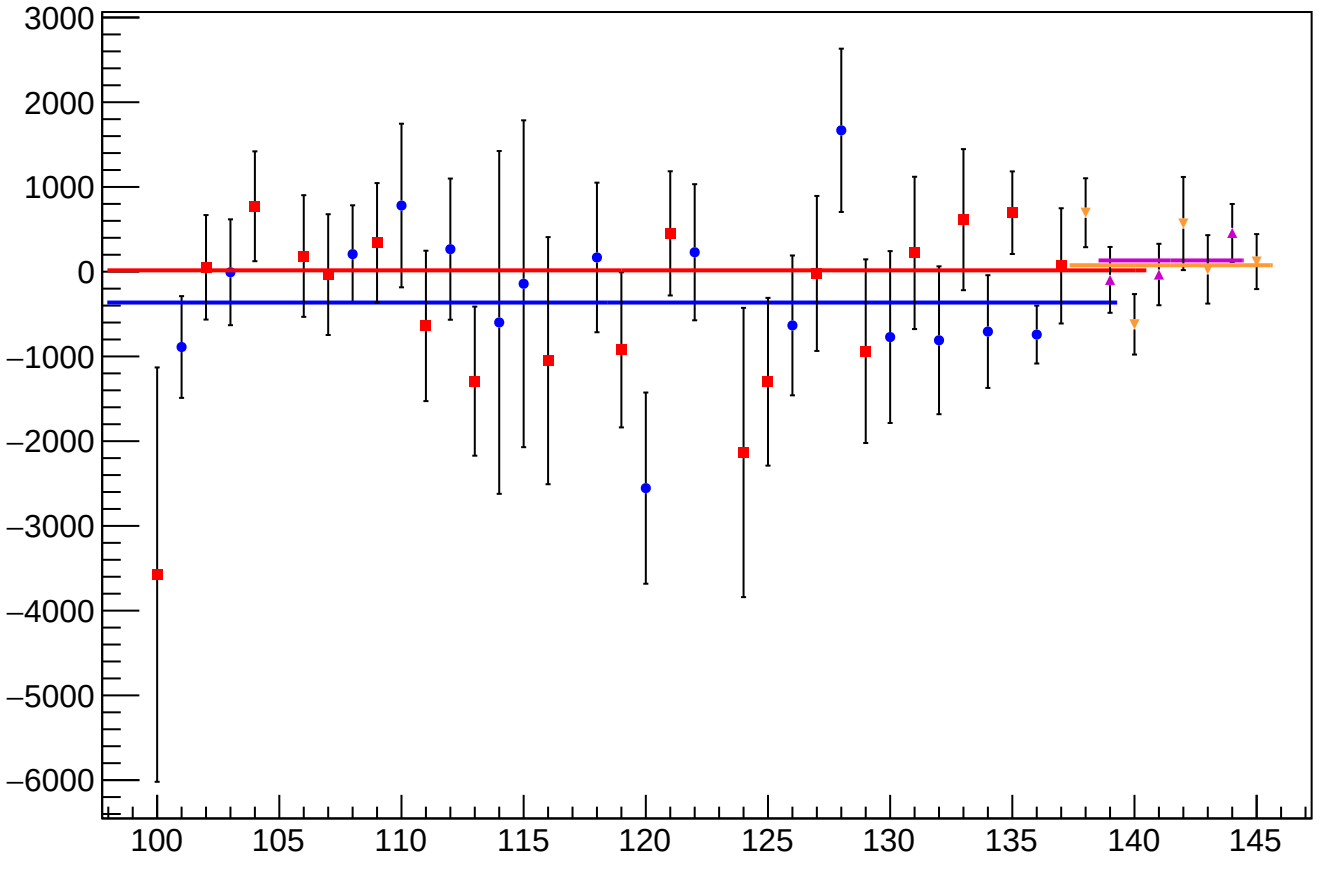
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.672+/-0.024 χ^2/NDF:19478.5/2

+ sign 56.810+/-0.012 χ^2/NDF: 469466.2/20

All: 57.467+/-0.009 χ^2/NDF: 916084.2/42

- sign 58.218+/-0.013 χ^2/NDF: 440525.7/21



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 76.451+/-174.484 χ^2/NDF:7.0/4

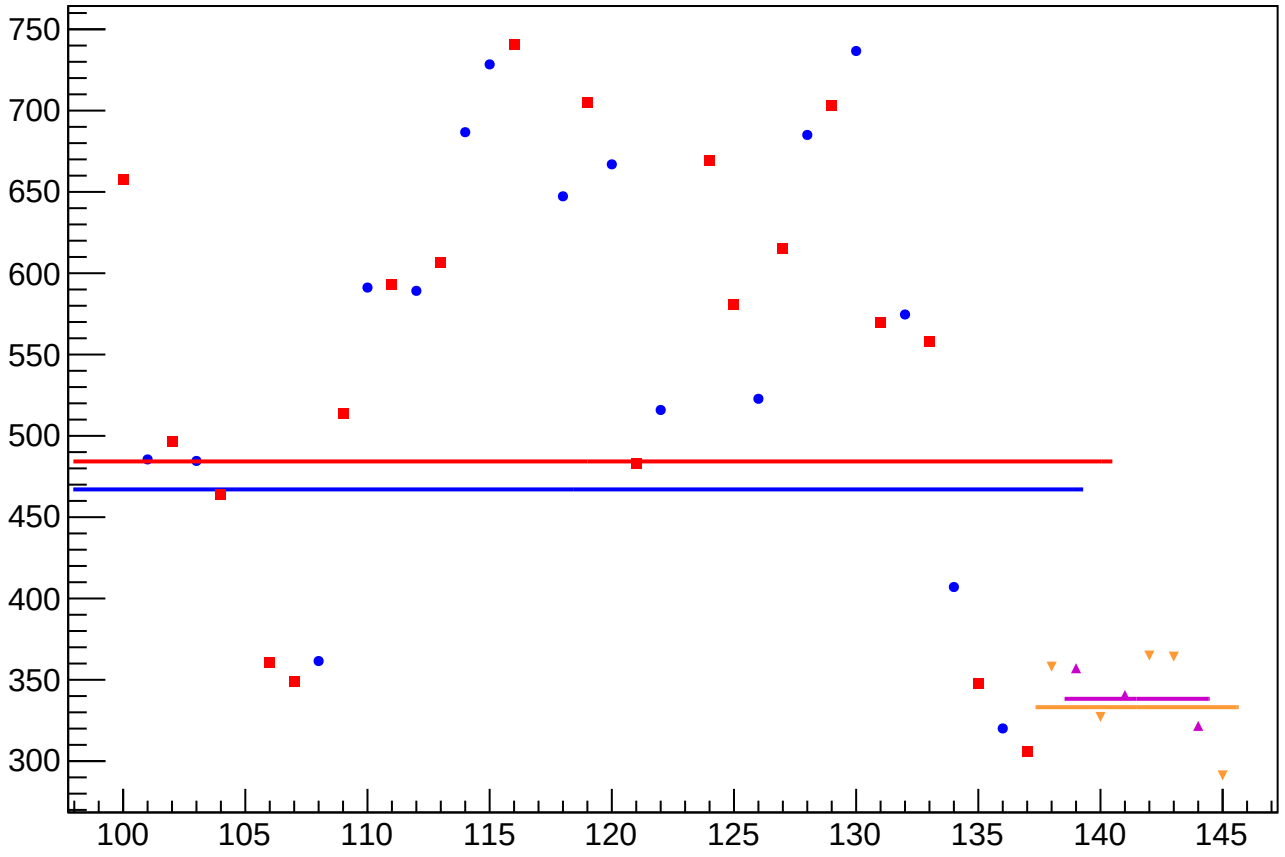
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 132.771+/-209.438 χ^2/NDF:1.5/2

+ sign -136.208+/-125.486 χ^2/NDF: 25.3/20

All: -44.381+/-92.867 χ^2/NDF: 43.2/42

- sign 66.807+/-138.083 χ^2/NDF: 16.8/21



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

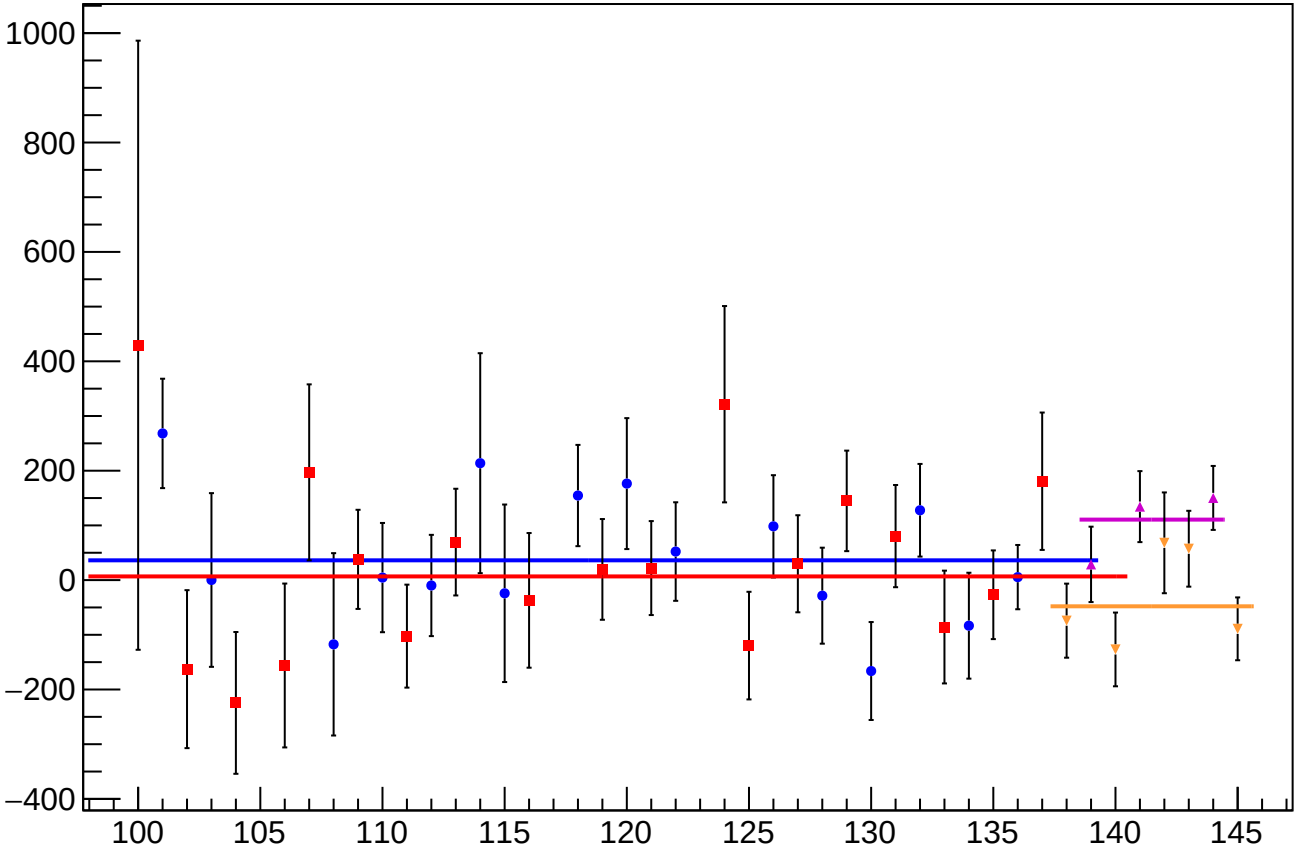
Left In: 338.311+/-0.148 χ^2/NDF:9512.4/2

\+ sign 397.814+/-0.089 χ^2/NDF: 1658935.9/20

All: 408.223+/-0.066 χ^2/NDF: 3136828.3/42

\- sign 420.827+/-0.098 χ^2/NDF: 1447466.9/21

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

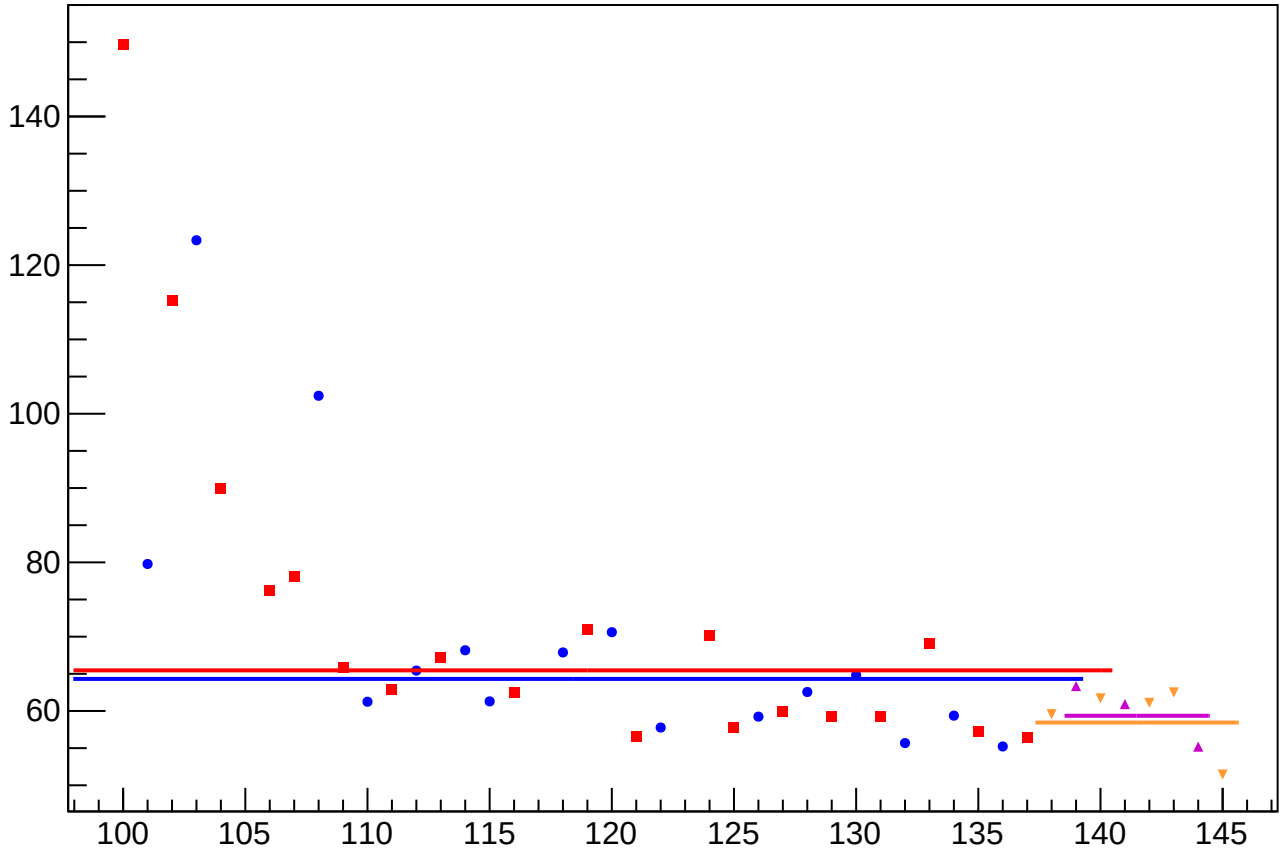
Left In: 110.596+/-36.748 χ^2/NDF:2.0/2

+ sign 3.380+/-19.115 χ^2/NDF: 30.2/20

All: 19.925+/-13.955 χ^2/NDF: 59.7/42

- sign 38.812+/-20.422 χ^2/NDF: 27.9/21

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

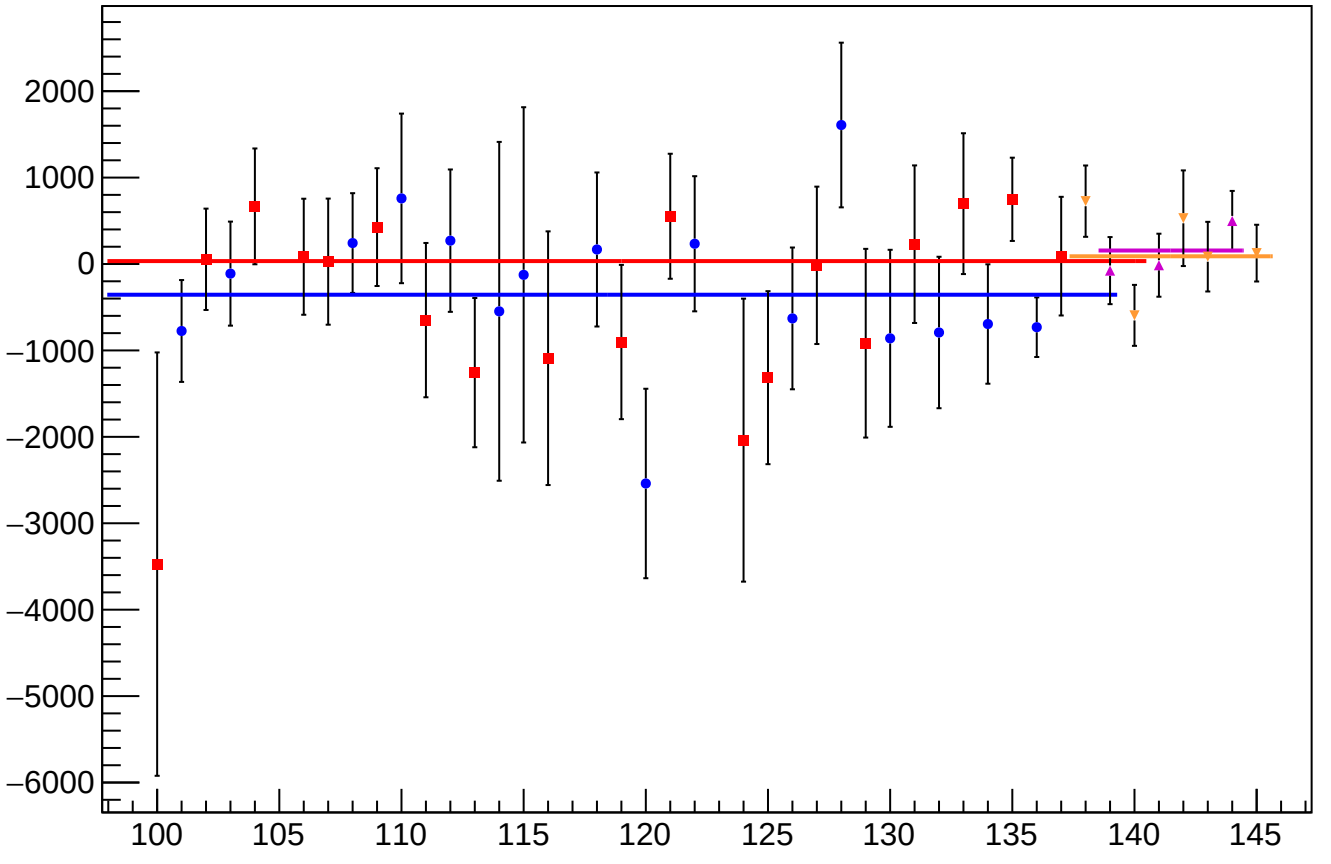
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 59.357+/-0.026 χ^2/NDF:18021.4/2

+ sign 62.027+/-0.014 χ^2/NDF: 620317.6/20

All: 62.752+/-0.010 χ^2/NDF: 1165062.2/42

- sign 63.579+/-0.014 χ^2/NDF: 538581.2/21



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

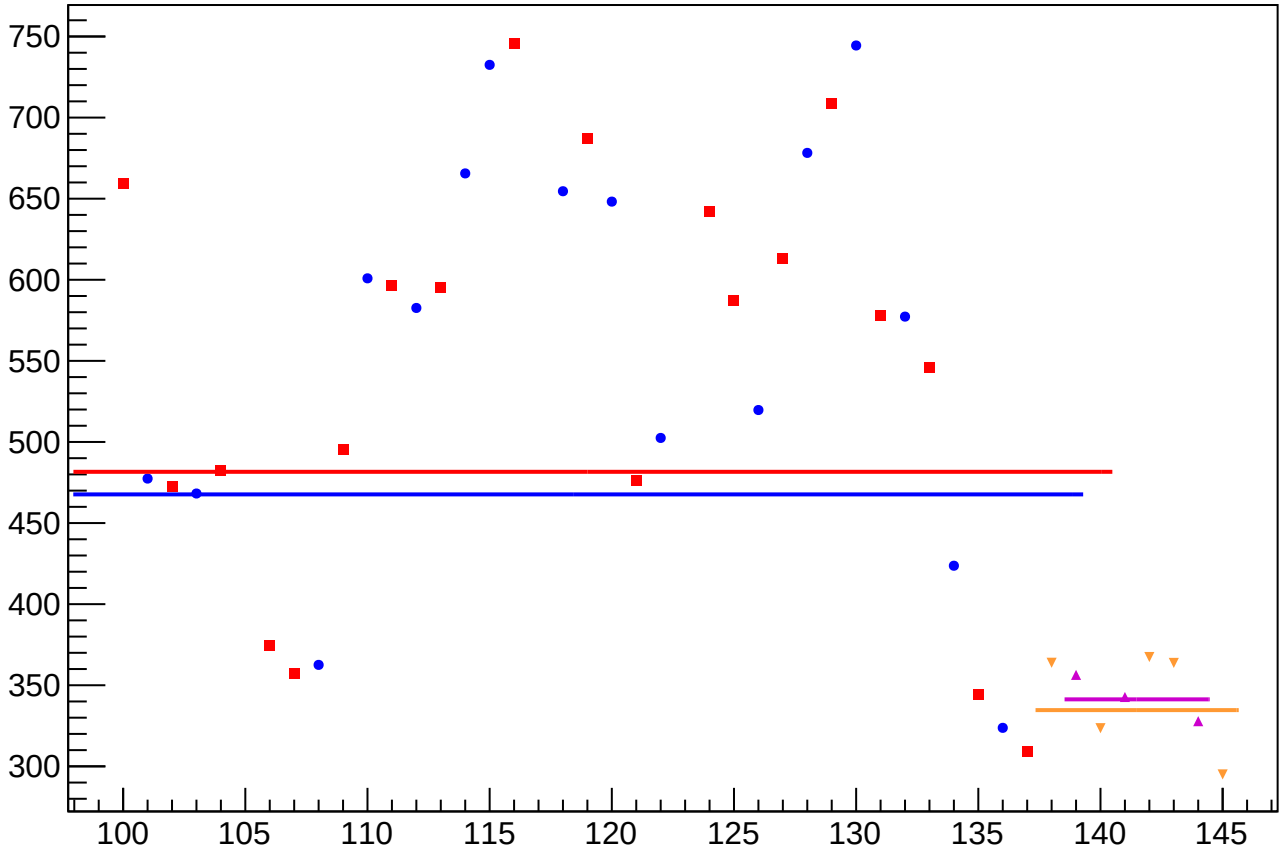
Left In: 156.213+/-211.151 χ^2/NDF:1.5/2

+ sign -126.551+/-125.629 χ^2/NDF: 24.7/20

All: -30.052+/-92.797 χ^2/NDF: 43.2/42

- sign 85.827+/-137.666 χ^2/NDF: 17.1/21

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

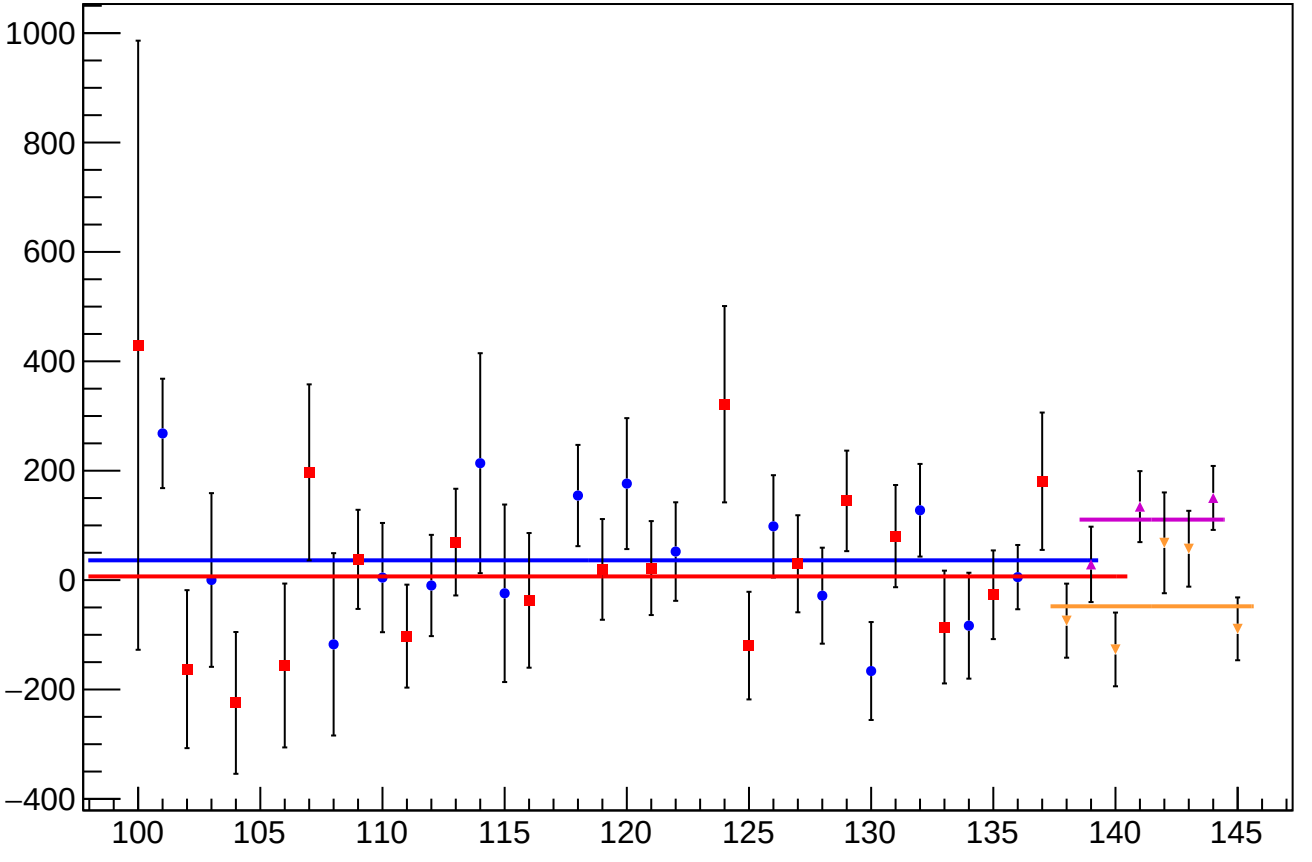
Left In: 341.304+/-0.149 χ^2/NDF:6052.5/2

+ sign 399.218+/-0.089 χ^2/NDF: 1604514.7/20

All: 409.553+/-0.066 χ^2/NDF: 3002257.6/42

- sign 421.963+/-0.097 χ^2/NDF: 1367954.0/21

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

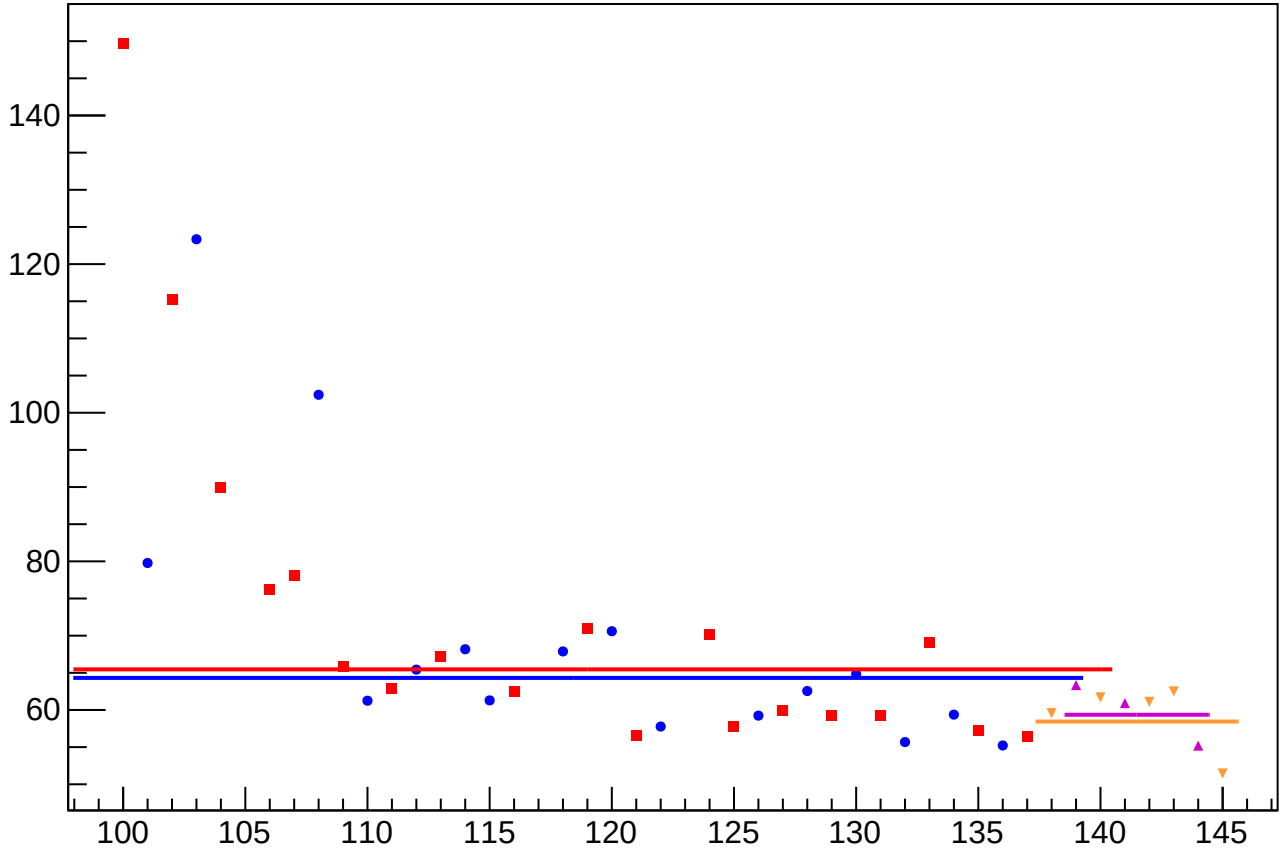
Left In: 110.596+/-36.748 χ^2/NDF:2.0/2

+ sign 3.381+/-19.115 χ^2/NDF: 30.2/20

All: 19.926+/-13.955 χ^2/NDF: 59.7/42

- sign 38.812+/-20.422 χ^2/NDF: 27.9/21

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

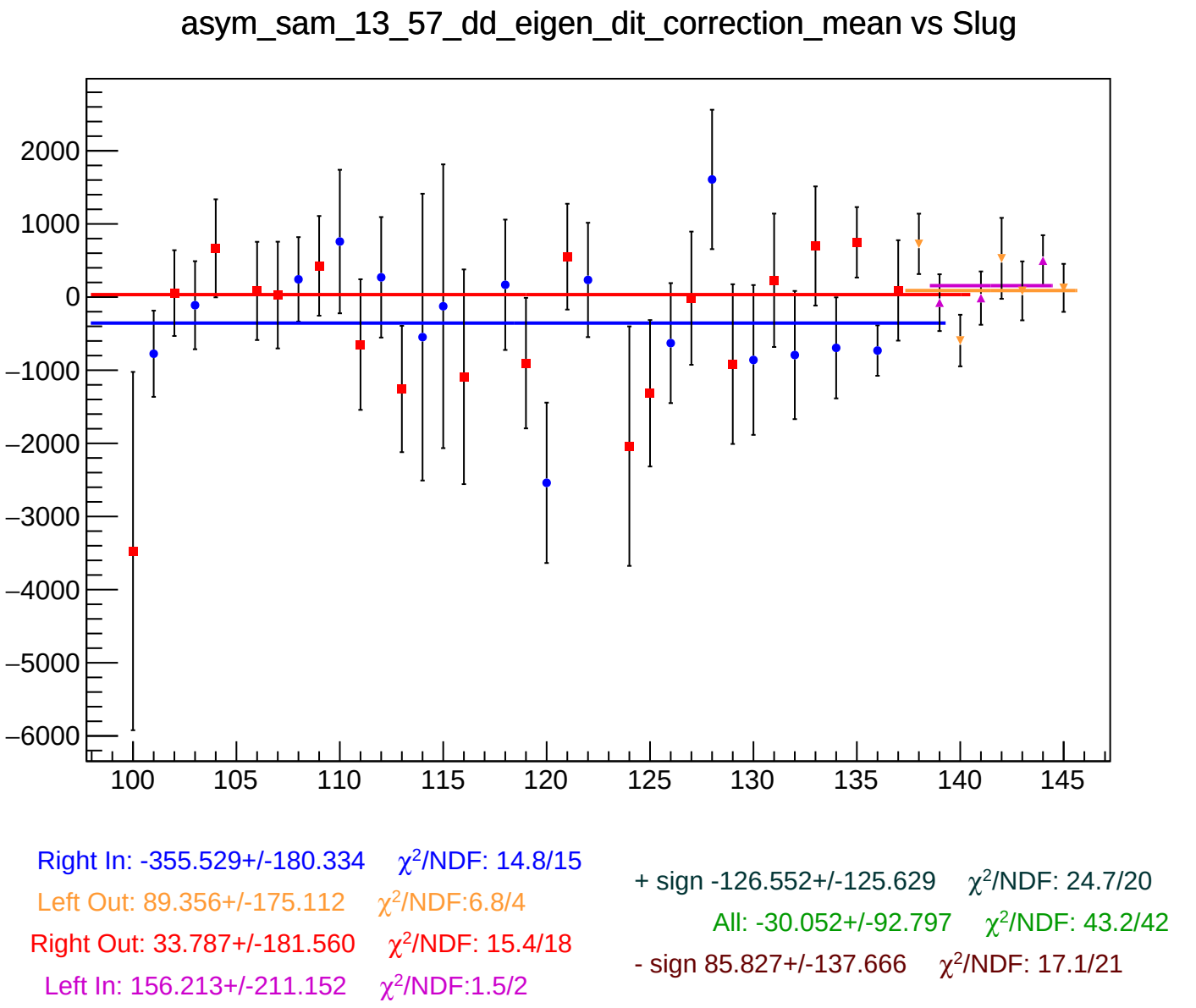
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

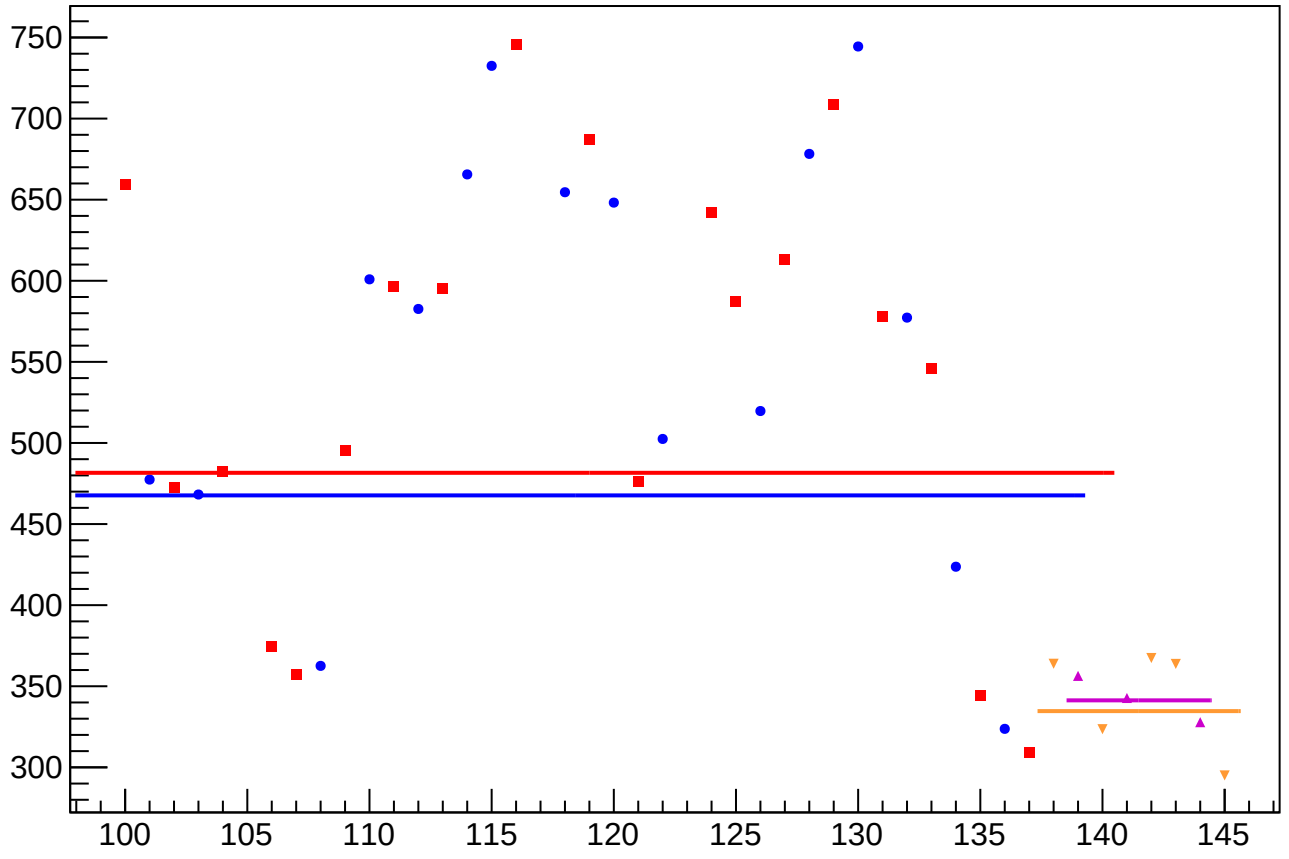
Left In: 59.357+/-0.026 χ^2/NDF:18022.1/2

+ sign 62.027+/-0.014 χ^2/NDF: 620325.1/20

All: 62.752+/-0.010 χ^2/NDF: 1165074.9/42

- sign 63.579+/-0.014 χ^2/NDF: 538586.6/21


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
105
110
115
120
125
130
135
140
145
Right In: -355.529+/-180.334 χ²/NDF: 14.8/15
Left Out: 89.356+/-175.112 χ²/NDF:6.8/4
Right Out: 33.787+/-181.560 χ²/NDF: 15.4/18
Left In: 156.213+/-211.152 χ²/NDF:1.5/2
+ sign -126.552+/-125.629 χ²/NDF: 24.7/20
All: -30.052+/-92.797 χ²/NDF: 43.2/42
- sign 85.827+/-137.666 χ²/NDF: 17.1/21



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

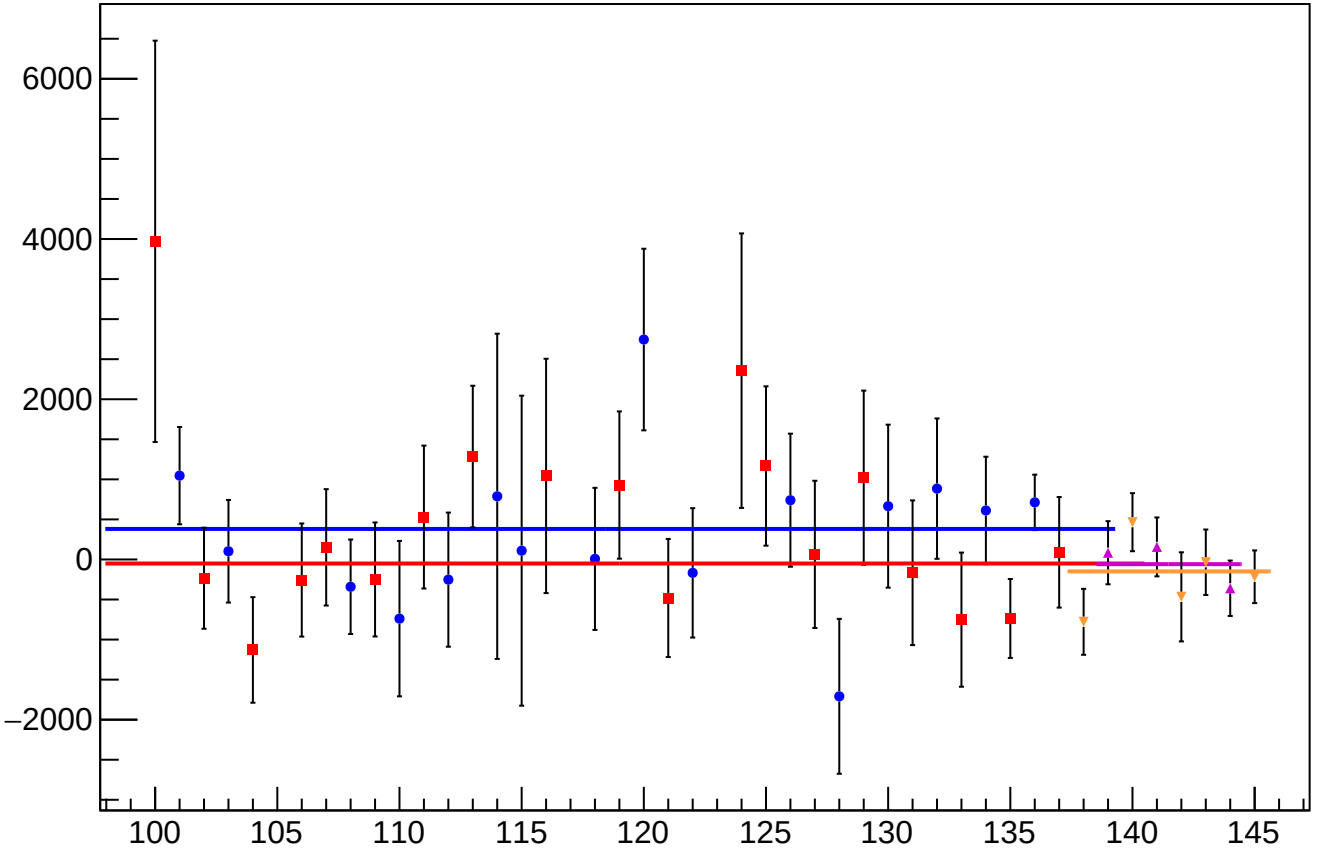
Left In: 341.305+/-0.149 χ^2/NDF:6052.8/2

+ sign 399.218+/-0.089 χ^2/NDF: 1604510.3/20

All: 409.553+/-0.066 χ^2/NDF: 3002244.3/42

- sign 421.963+/-0.097 χ^2/NDF: 1367944.8/21

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

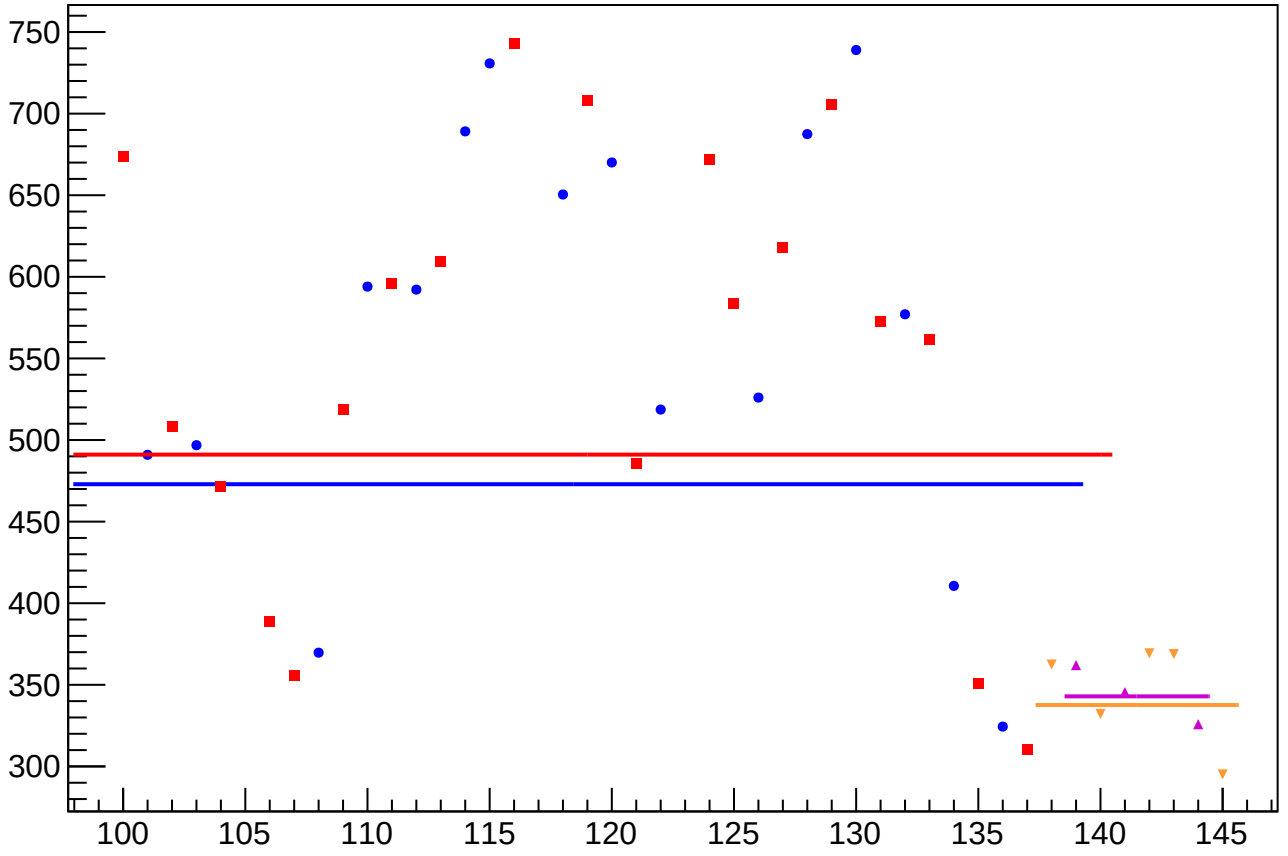
Left In: -58.674+/-212.288 χ^2/NDF:1.2/2

+ sign 107.448+/-127.036 χ^2/NDF: 26.2/20

All: 34.317+/-93.952 χ^2/NDF: 45.6/42

- sign -53.973+/-139.583 χ^2/NDF: 18.7/21

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

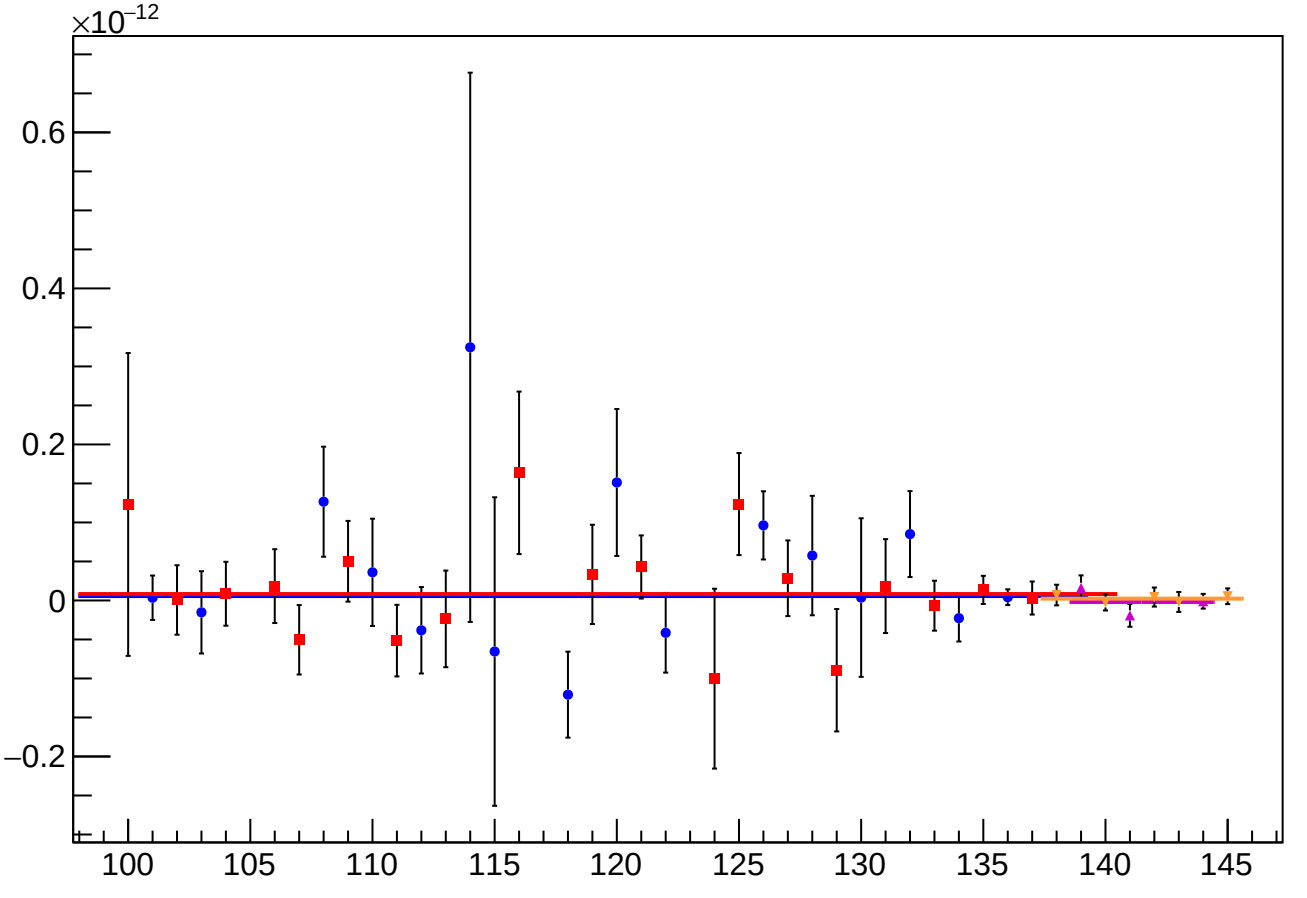
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 342.931+/-0.150 χ^2/NDF:9683.4/2

+ sign 403.070+/-0.090 χ^2/NDF: 1626155.7/20

All: 413.921+/-0.066 χ^2/NDF: 3068344.0/42

- sign 427.021+/-0.099 χ^2/NDF: 1409981.5/21



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/4

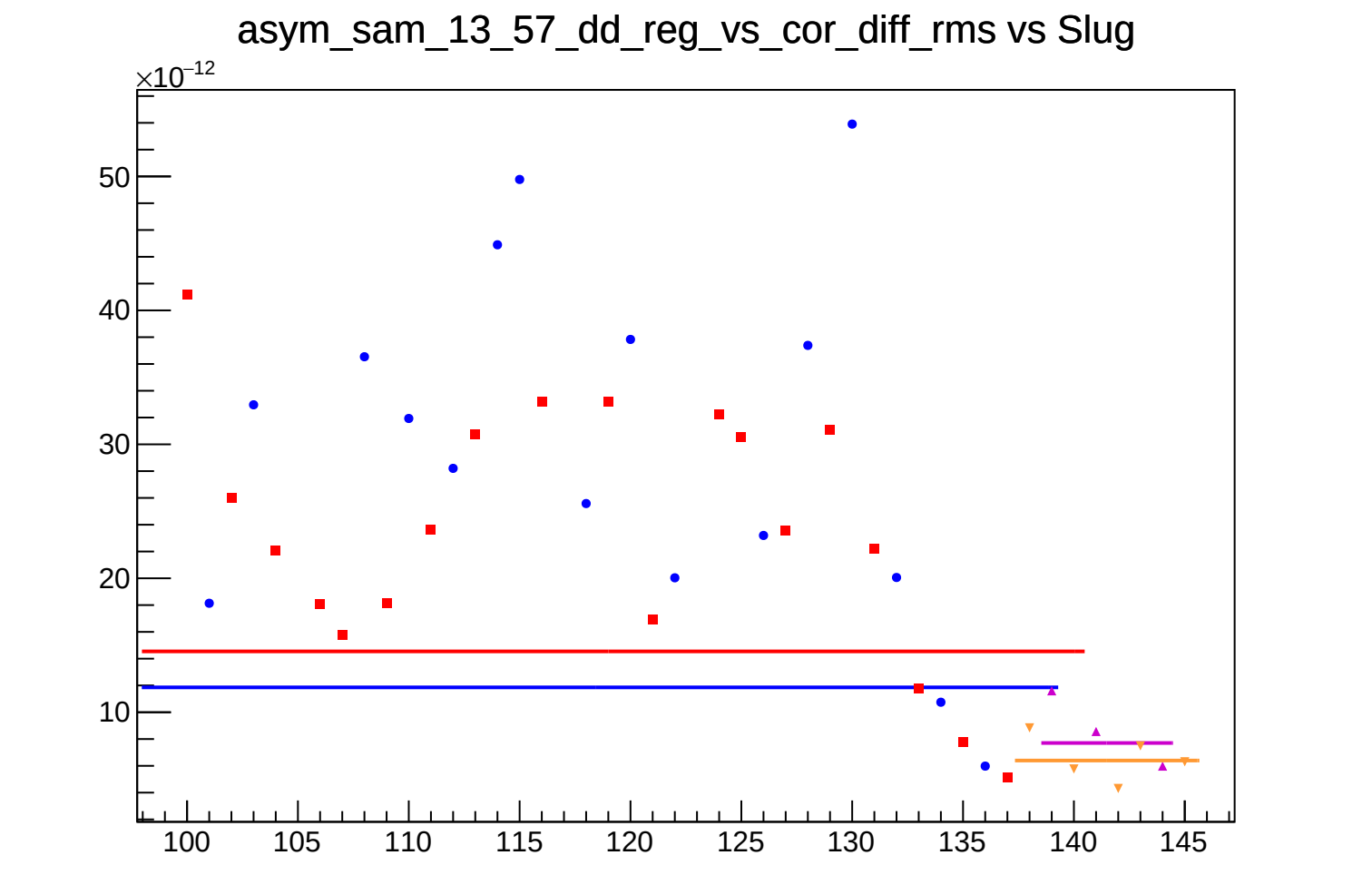
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/2

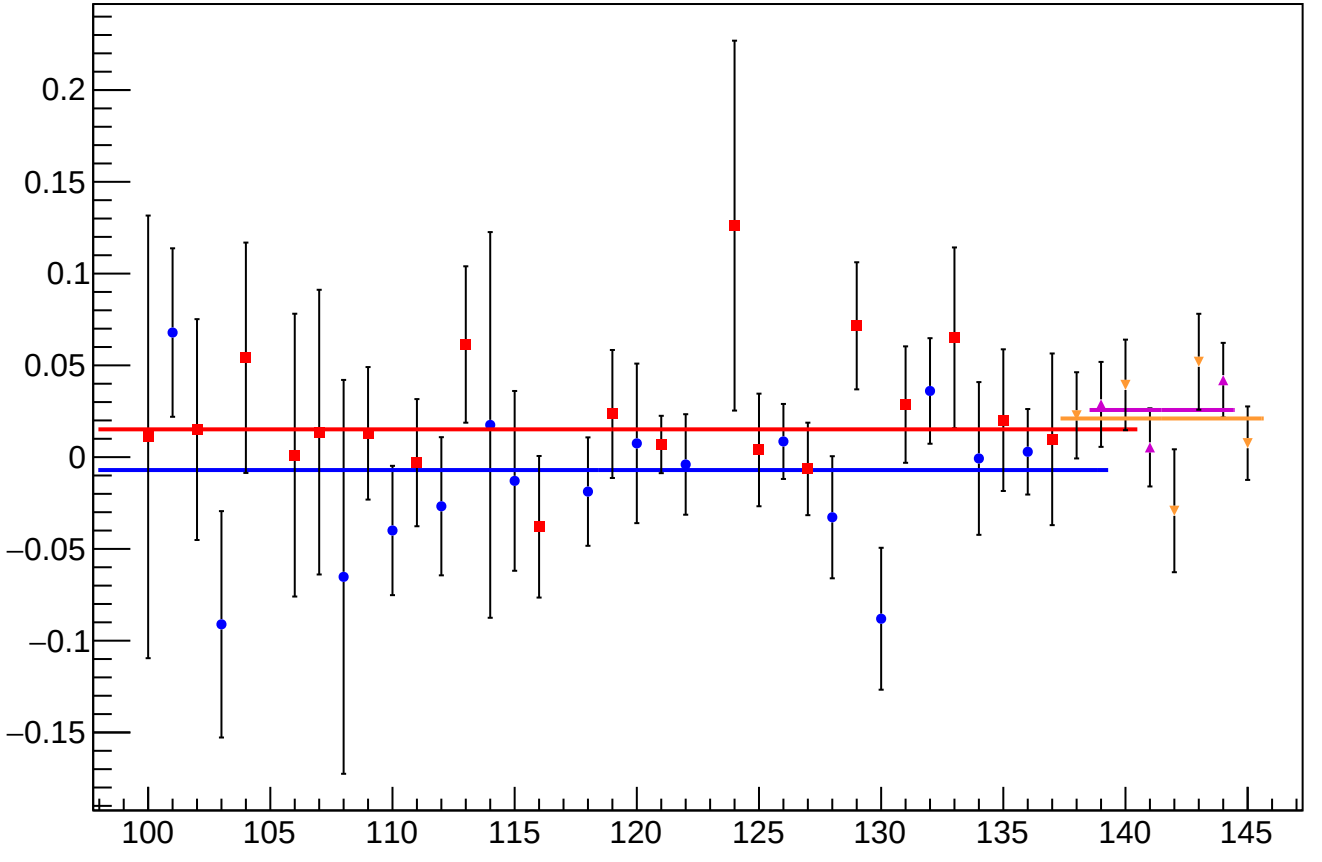
+ sign 0.000+/-0.000 χ^2/NDF: 21.8/20

All: 0.000+/-0.000 χ^2/NDF: 39.3/42

- sign 0.000+/-0.000 χ^2/NDF: 17.4/21


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10⁻¹²
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
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:191670.7/2
+ sign 0.000+/-0.000 χ²/NDF: 3642918.5/20
All: 0.000+/-0.000 χ²/NDF: 6488630.6/42
- sign 0.000+/-0.000 χ²/NDF: 2644508.3/21

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

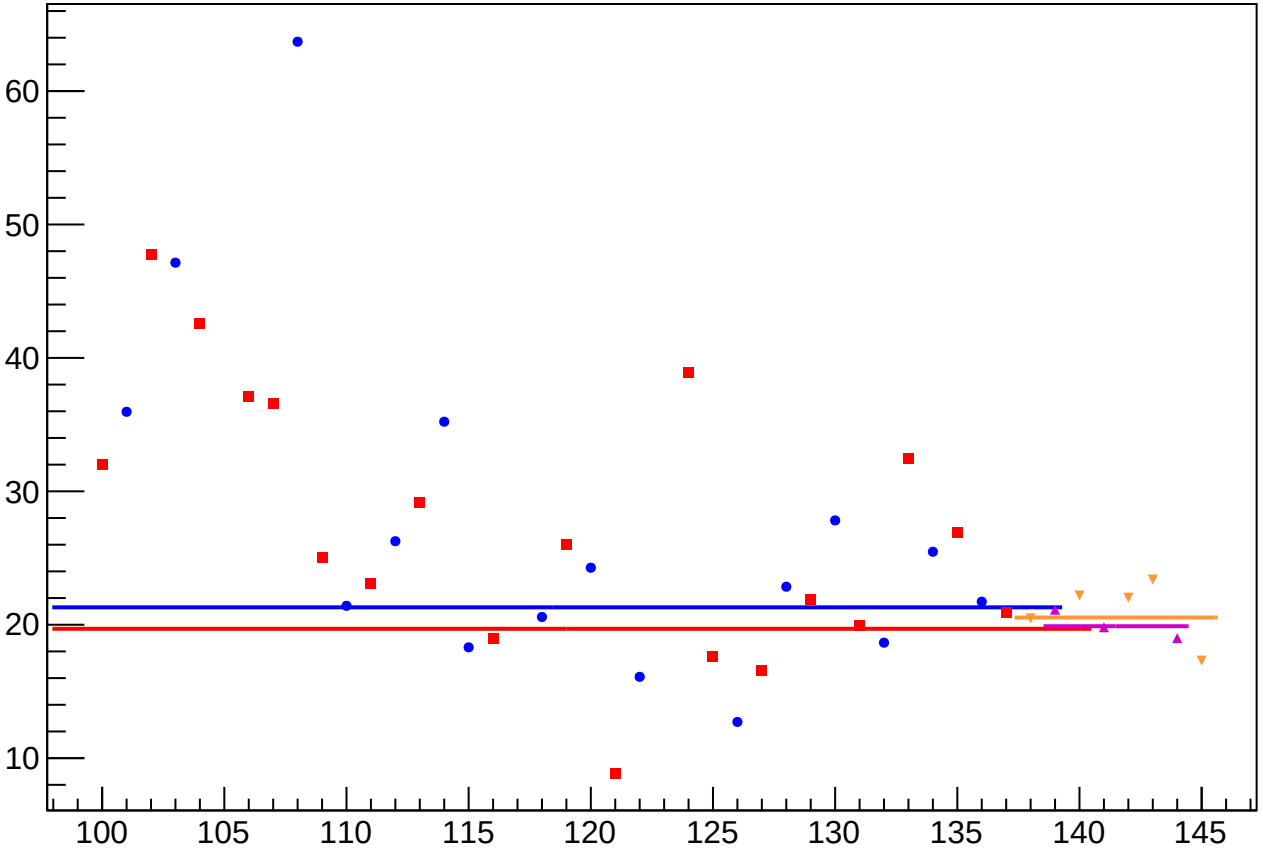
Left In: 0.026+/-0.012 χ^2/NDF:1.6/2

+ sign 0.004+/-0.007 χ^2/NDF: 23.1/20

All: 0.011+/-0.005 χ^2/NDF: 37.5/42

- sign 0.018+/-0.007 χ^2/NDF: 12.2/21

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

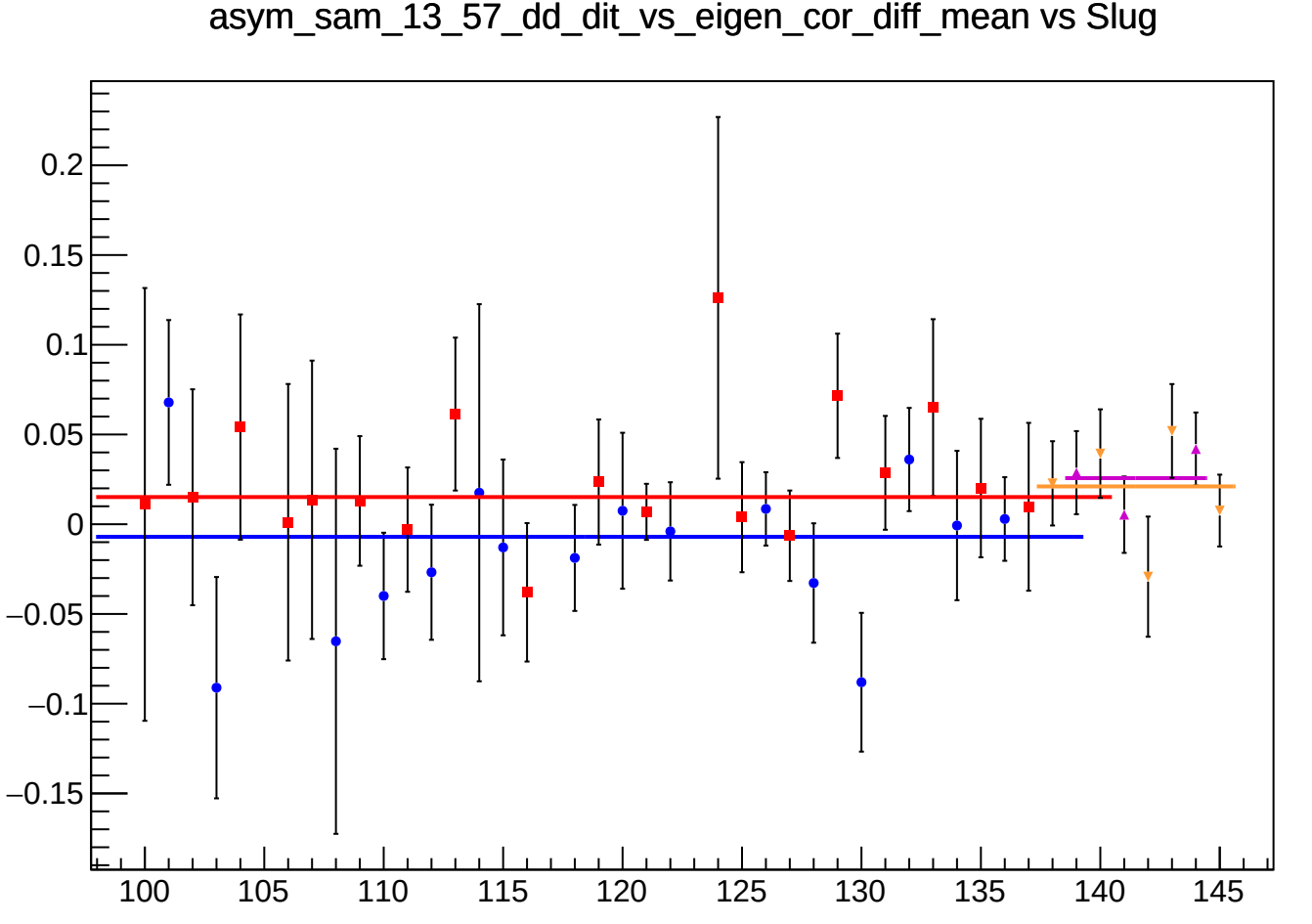
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.888+/-0.009 χ^2/NDF:9616.5/2

+ sign 21.014+/-0.005 χ^2/NDF: 1574079.8/20

All: 20.391+/-0.003 χ^2/NDF: 4057070.8/42

- sign 19.755+/-0.005 χ^2/NDF: 2448924.9/21



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.011 χ^2/NDF:4.7/4

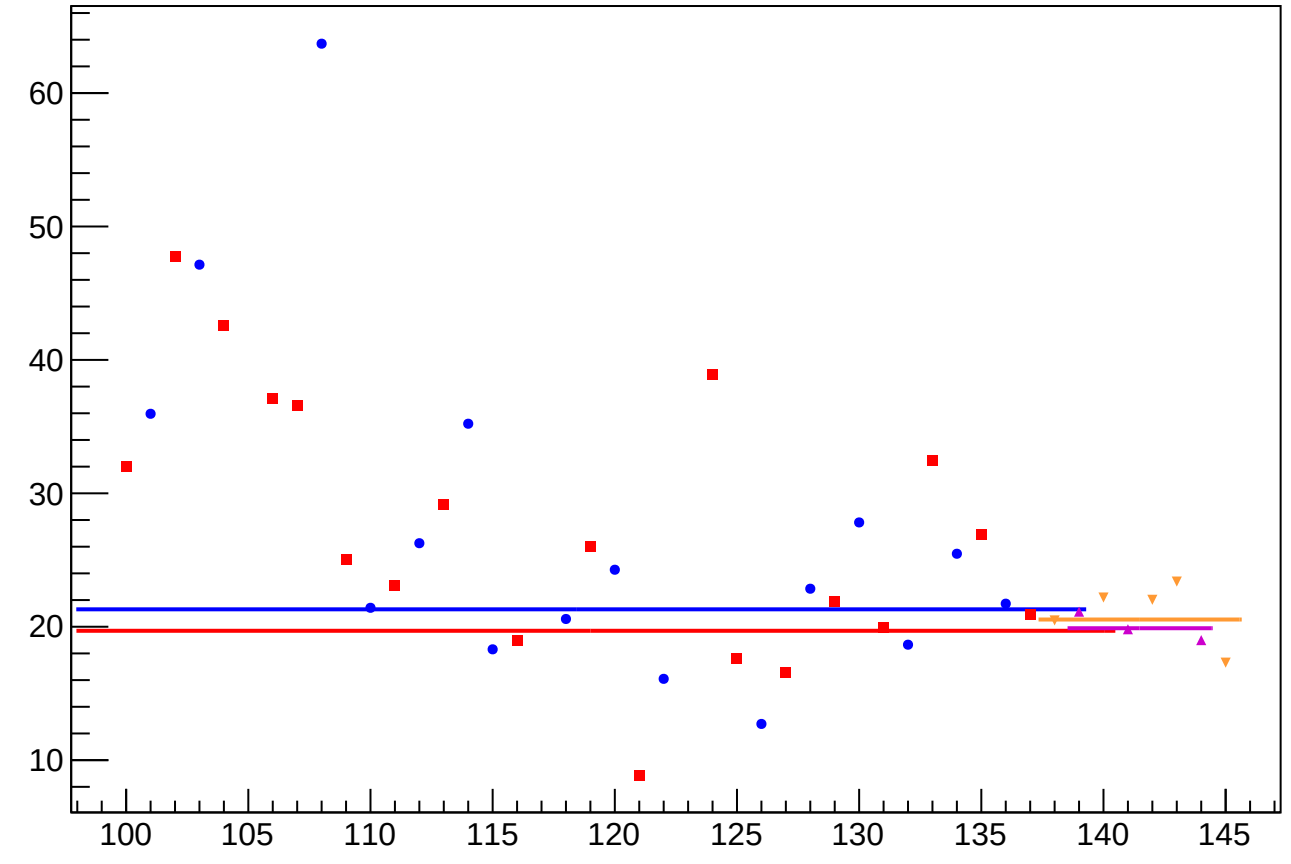
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.026+/-0.012 χ^2/NDF:1.6/2

+ sign 0.004+/-0.007 χ^2/NDF: 23.1/20

All: 0.011+/-0.005 χ^2/NDF: 37.5/42

- sign 0.018+/-0.007 χ^2/NDF: 12.2/21



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.541+/-0.008 χ^2/NDF:88686.6/4

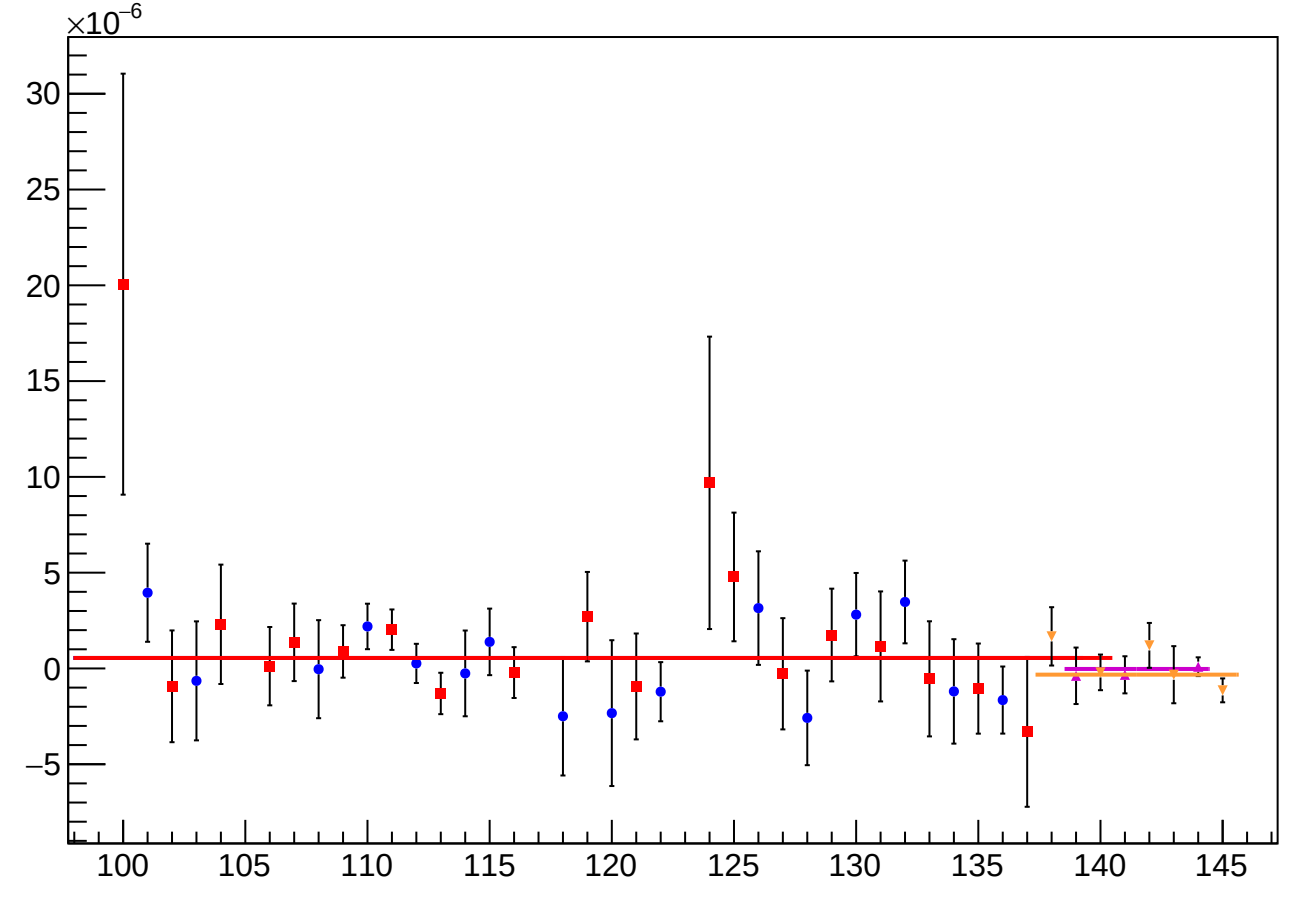
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.888+/-0.009 χ^2/NDF:9616.5/2

+ sign 21.014+/-0.005 χ^2/NDF: 1574079.8/20

All: 20.391+/-0.003 χ^2/NDF: 4057070.8/42

- sign 19.755+/-0.005 χ^2/NDF: 2448924.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/4

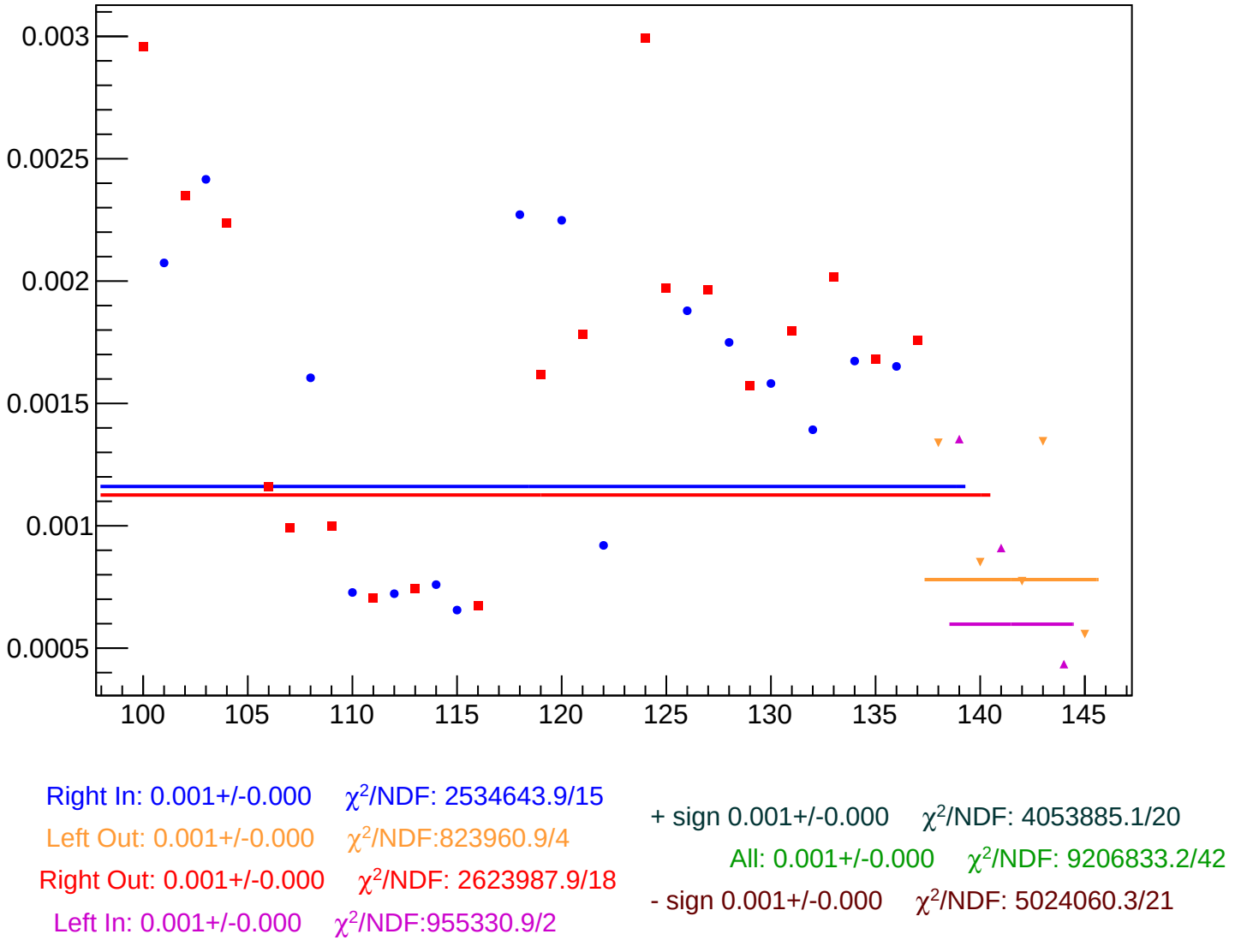
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

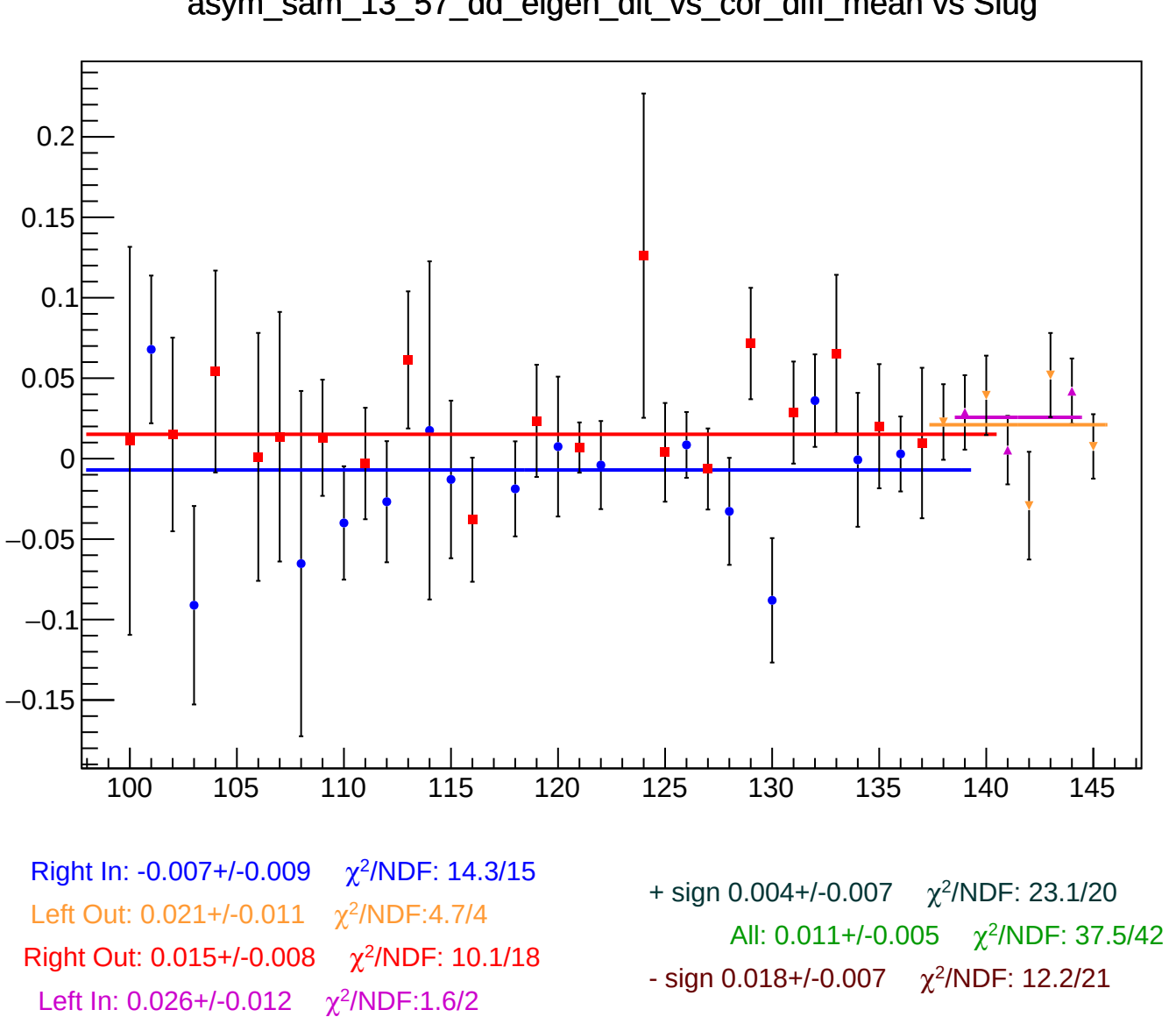
Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

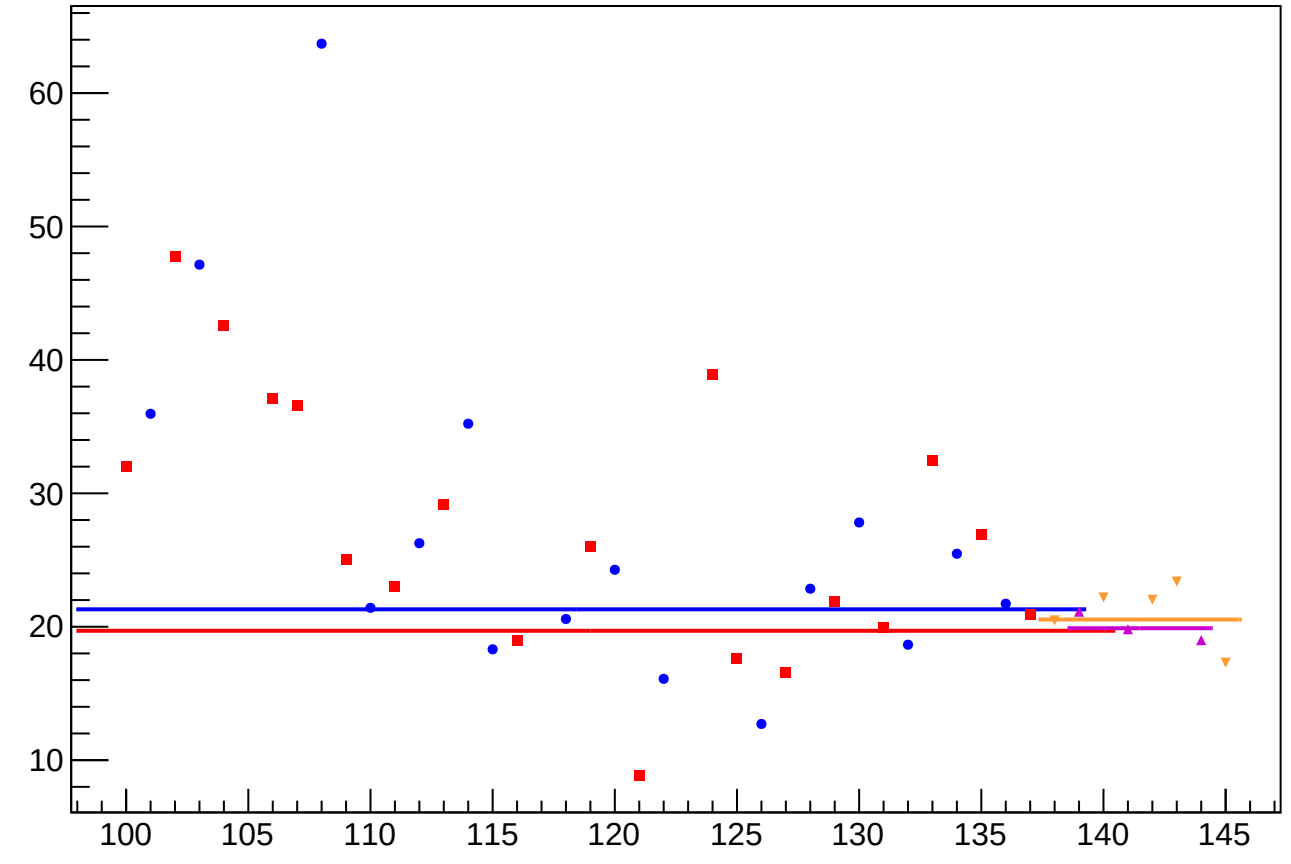
+ sign 0.000+/-0.000 χ^2/NDF: 21.4/20

All: 0.000+/-0.000 χ^2/NDF: 38.0/42

- sign 0.000+/-0.000 χ^2/NDF: 16.4/21


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:823960.9/4
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:955330.9/2
+ sign 0.001+/-0.000 χ²/NDF: 4053885.1/20
All: 0.001+/-0.000 χ²/NDF: 9206833.2/42
- sign 0.001+/-0.000 χ²/NDF: 5024060.3/21


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
105
110
115
120
125
130
135
140
145
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.021+/-0.011 χ²/NDF:4.7/4
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.026+/-0.012 χ²/NDF:1.6/2
+ sign 0.004+/-0.007 χ²/NDF: 23.1/20
All: 0.011+/-0.005 χ²/NDF: 37.5/42
- sign 0.018+/-0.007 χ²/NDF: 12.2/21



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.541+/-0.008 χ^2/NDF:88699.8/4

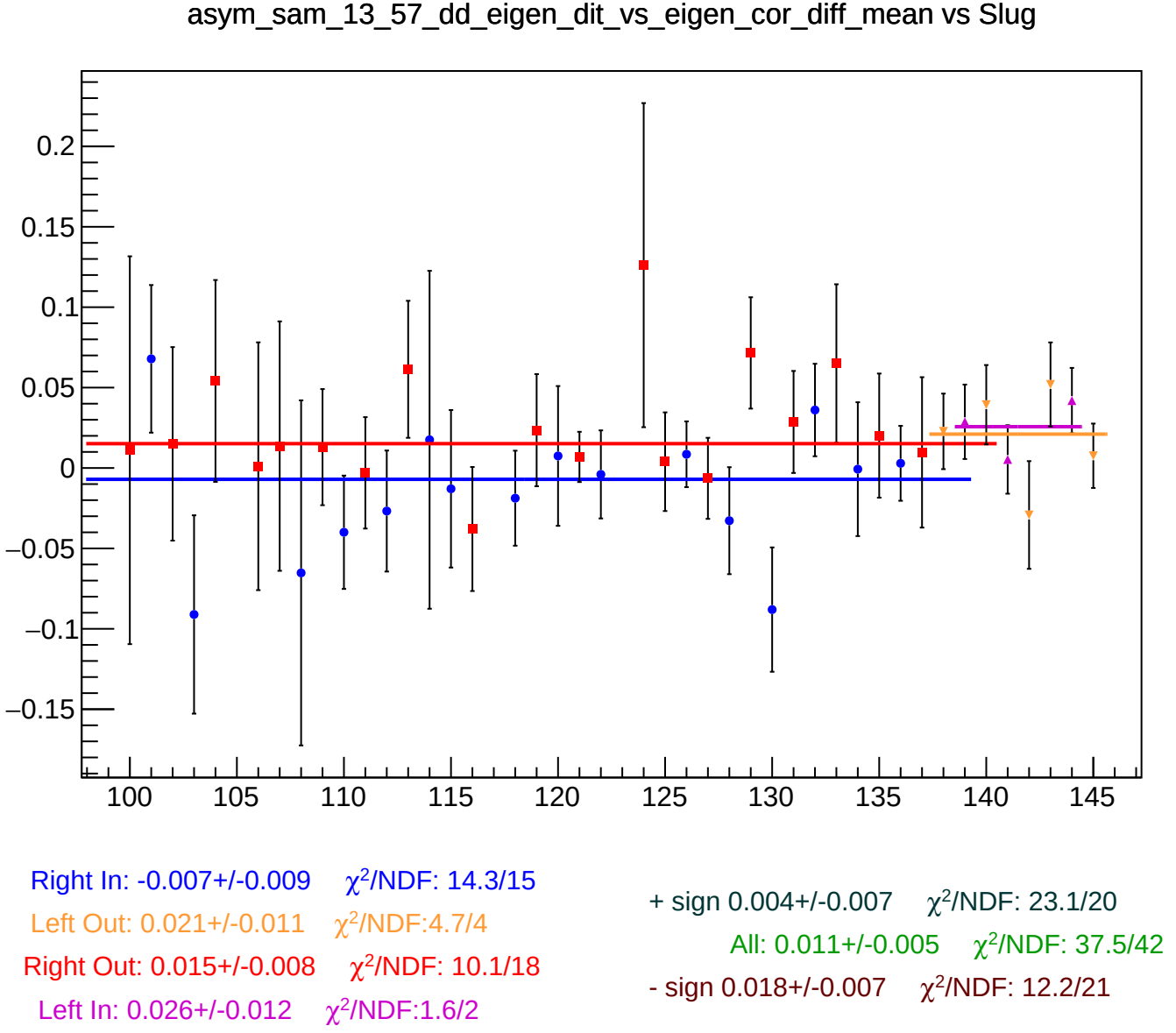
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

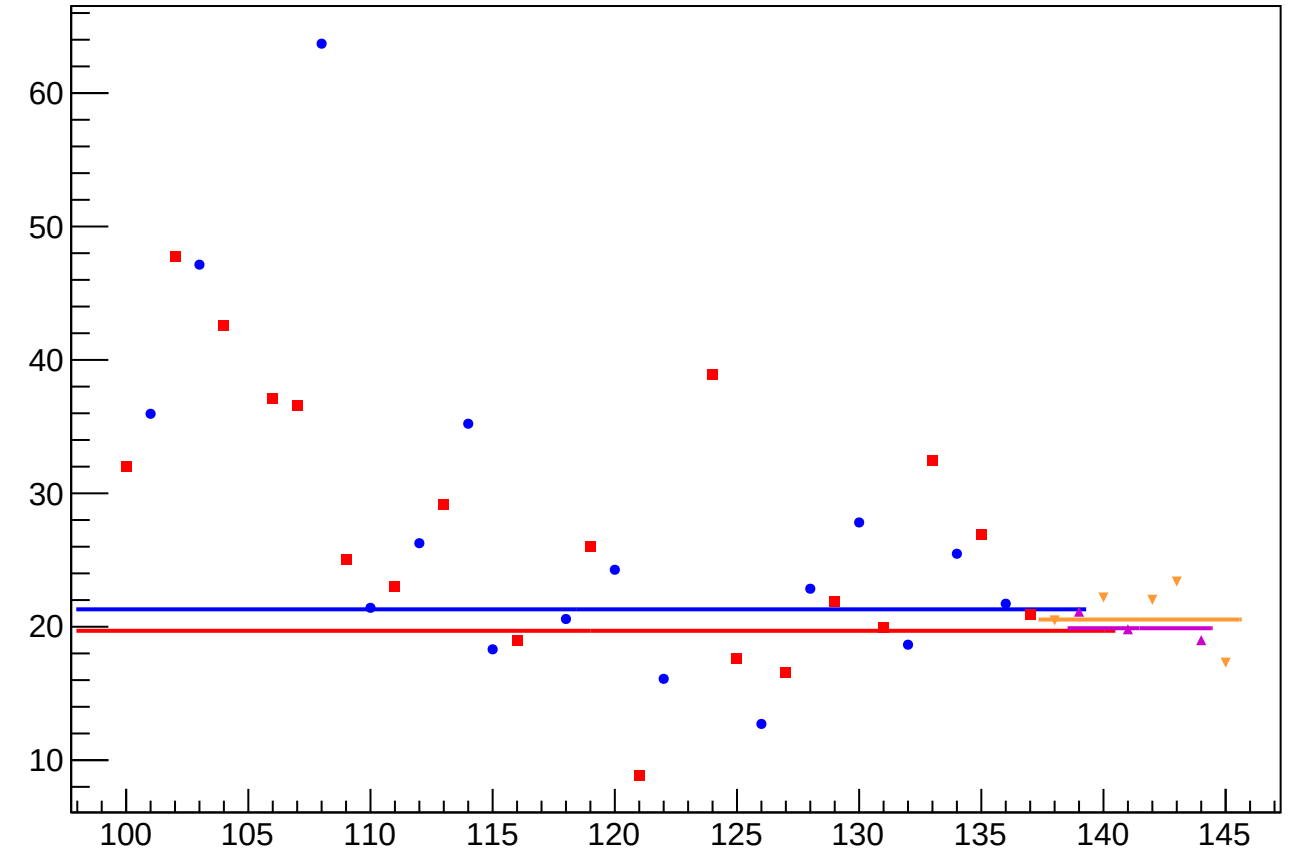
Left In: 19.888+/-0.009 χ^2/NDF:9619.4/2

+ sign 21.014+/-0.005 χ^2/NDF: 1573929.6/20

All: 20.392+/-0.003 χ^2/NDF: 4056538.1/42

- sign 19.756+/-0.005 χ^2/NDF: 2448559.2/21


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
105
110
115
120
125
130
135
140
145
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.021+/-0.011 χ²/NDF:4.7/4
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.026+/-0.012 χ²/NDF:1.6/2
+ sign 0.004+/-0.007 χ²/NDF: 23.1/20
All: 0.011+/-0.005 χ²/NDF: 37.5/42
- sign 0.018+/-0.007 χ²/NDF: 12.2/21



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.541+/-0.008 χ^2/NDF:88699.8/4

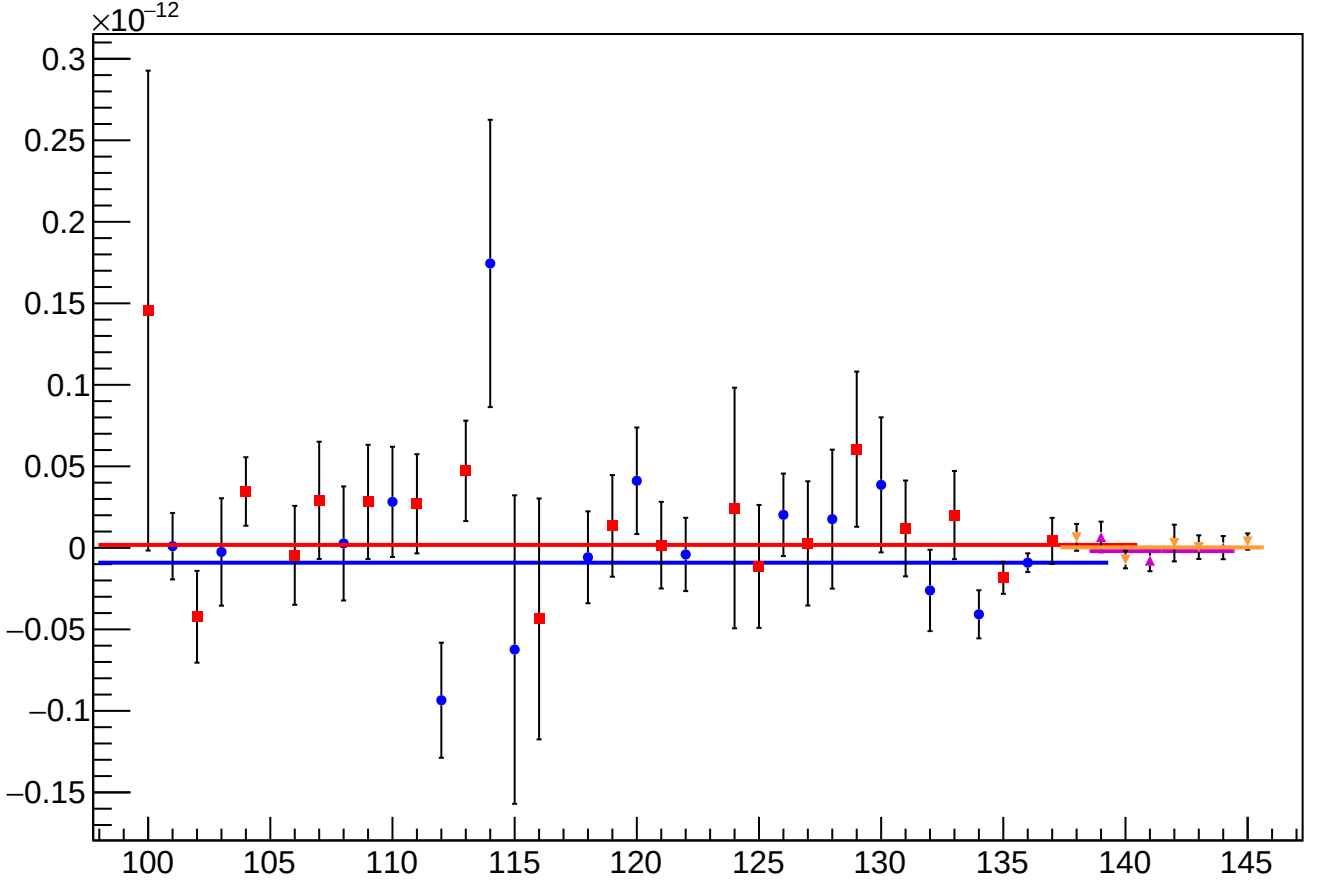
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.888+/-0.009 χ^2/NDF:9619.4/2

+ sign 21.014+/-0.005 χ^2/NDF: 1573929.6/20

All: 20.392+/-0.003 χ^2/NDF: 4056538.1/42

- sign 19.756+/-0.005 χ^2/NDF: 2448559.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/4

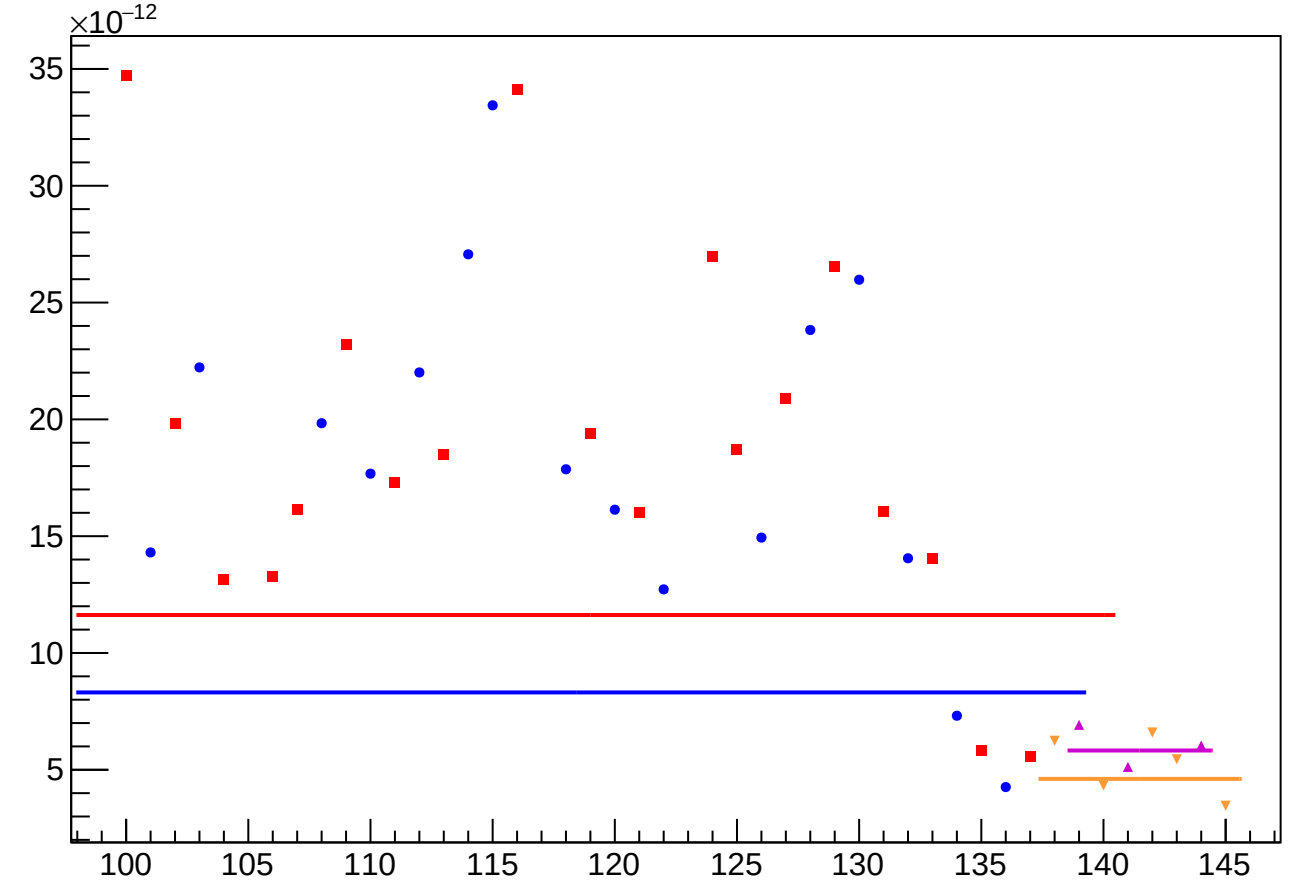
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/2

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/20

All: -0.000+/-0.000 χ^2/NDF: 47.9/42

- sign -0.000+/-0.000 χ^2/NDF: 19.0/21



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

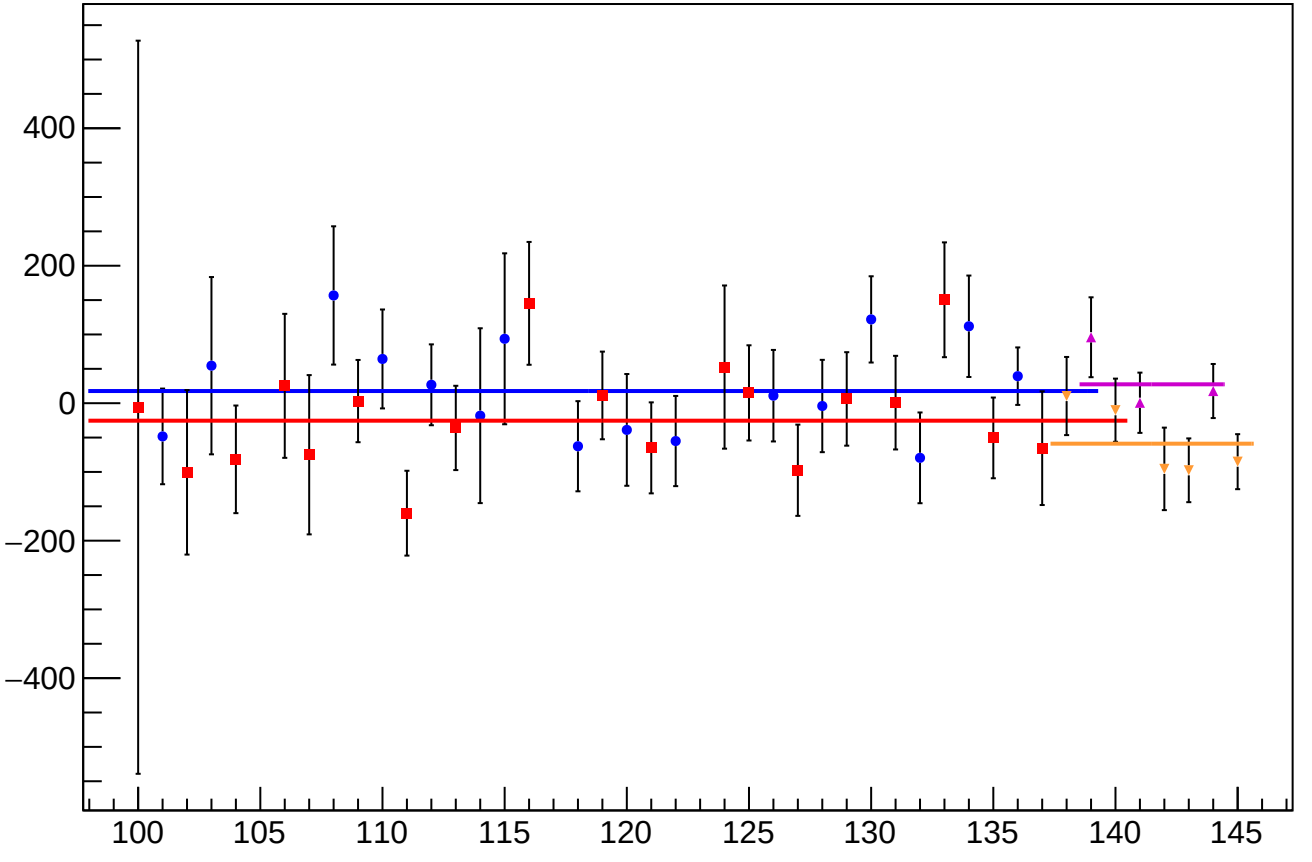
Left In: 0.000+/-0.000 χ^2/NDF:52637.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 4960374.6/20

All: 0.000+/-0.000 χ^2/NDF: 9501564.4/42

- sign 0.000+/-0.000 χ^2/NDF: 3994530.4/21

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

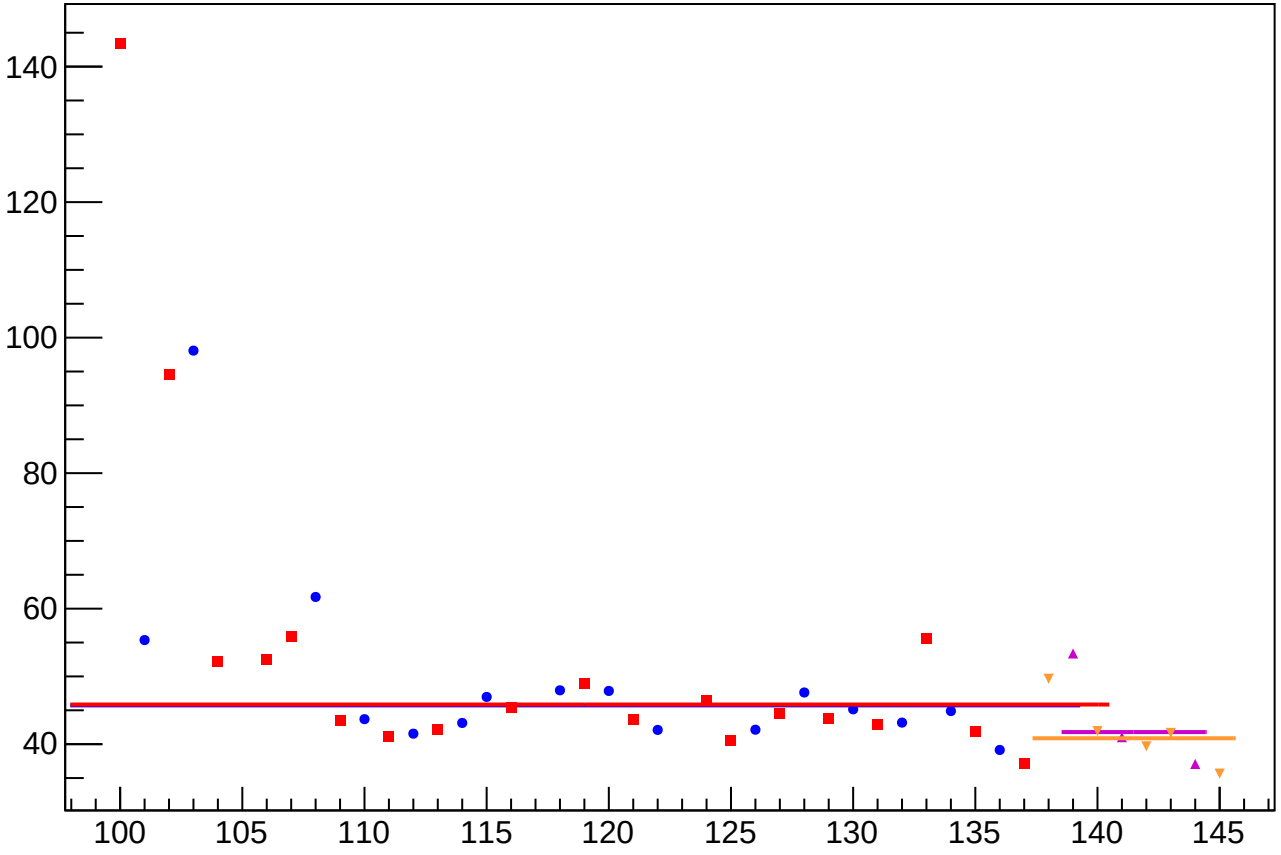
Left In: 27.475+/-26.147 χ^2/NDF:1.8/2

+ sign -12.646+/-13.575 χ^2/NDF: 25.7/20

All: -11.069+/-9.894 χ^2/NDF: 48.2/42

- sign -9.282+/-14.449 χ^2/NDF: 22.5/21

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

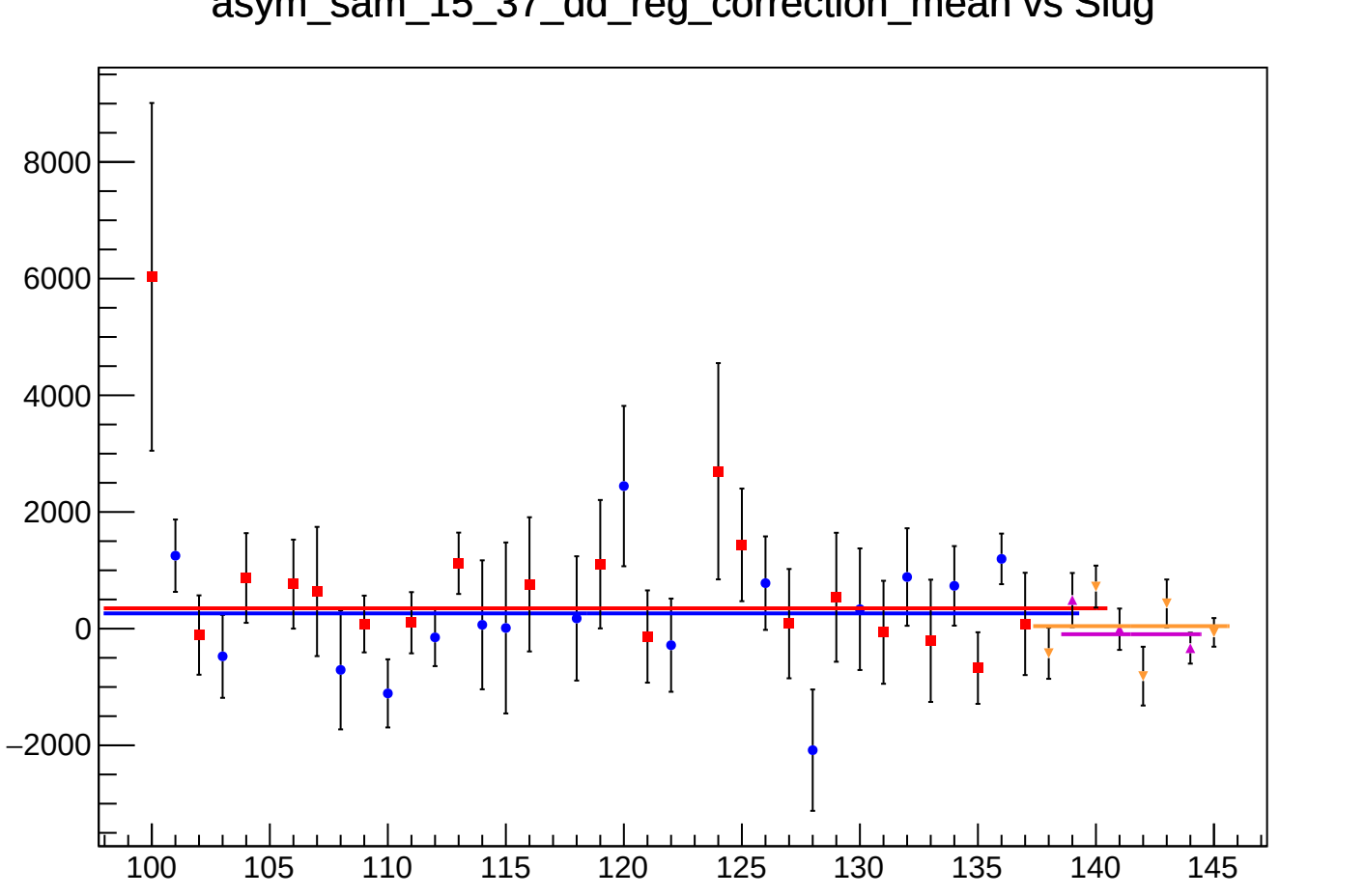
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.787+/-0.018 χ^2/NDF:108857.3/2

+ sign 43.803+/-0.010 χ^2/NDF: 646793.6/20

All: 44.181+/-0.007 χ^2/NDF: 1332645.9/42

- sign 44.609+/-0.010 χ^2/NDF: 682552.9/21



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

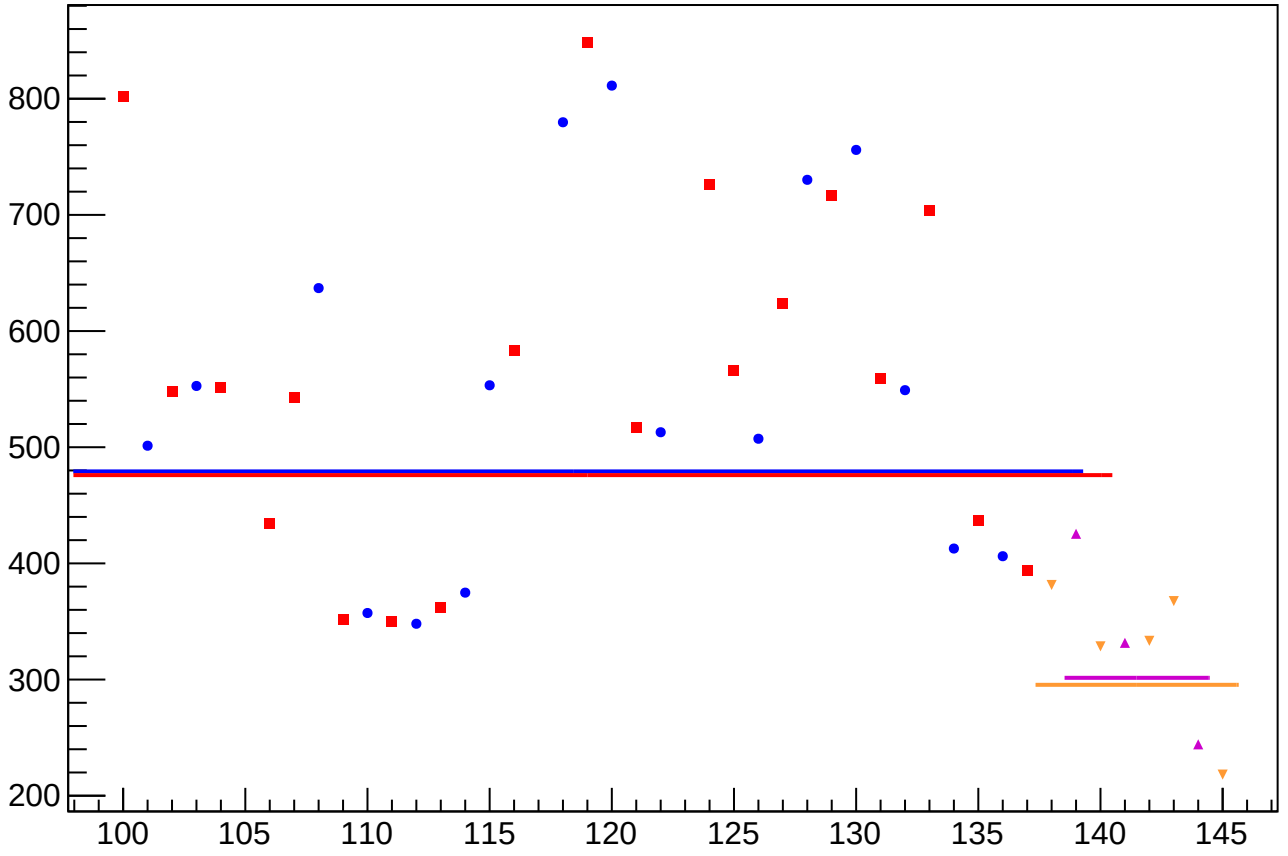
Left In: -95.576+/-192.813 χ^2/NDF:2.5/2

+ sign 136.230+/-120.738 χ^2/NDF: 34.4/20

All: 138.392+/-89.042 χ^2/NDF: 54.7/42

- sign 140.969+/-131.842 χ^2/NDF: 20.2/21

asym_sam_15_37_dd_reg_correction_rms vs Slug



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

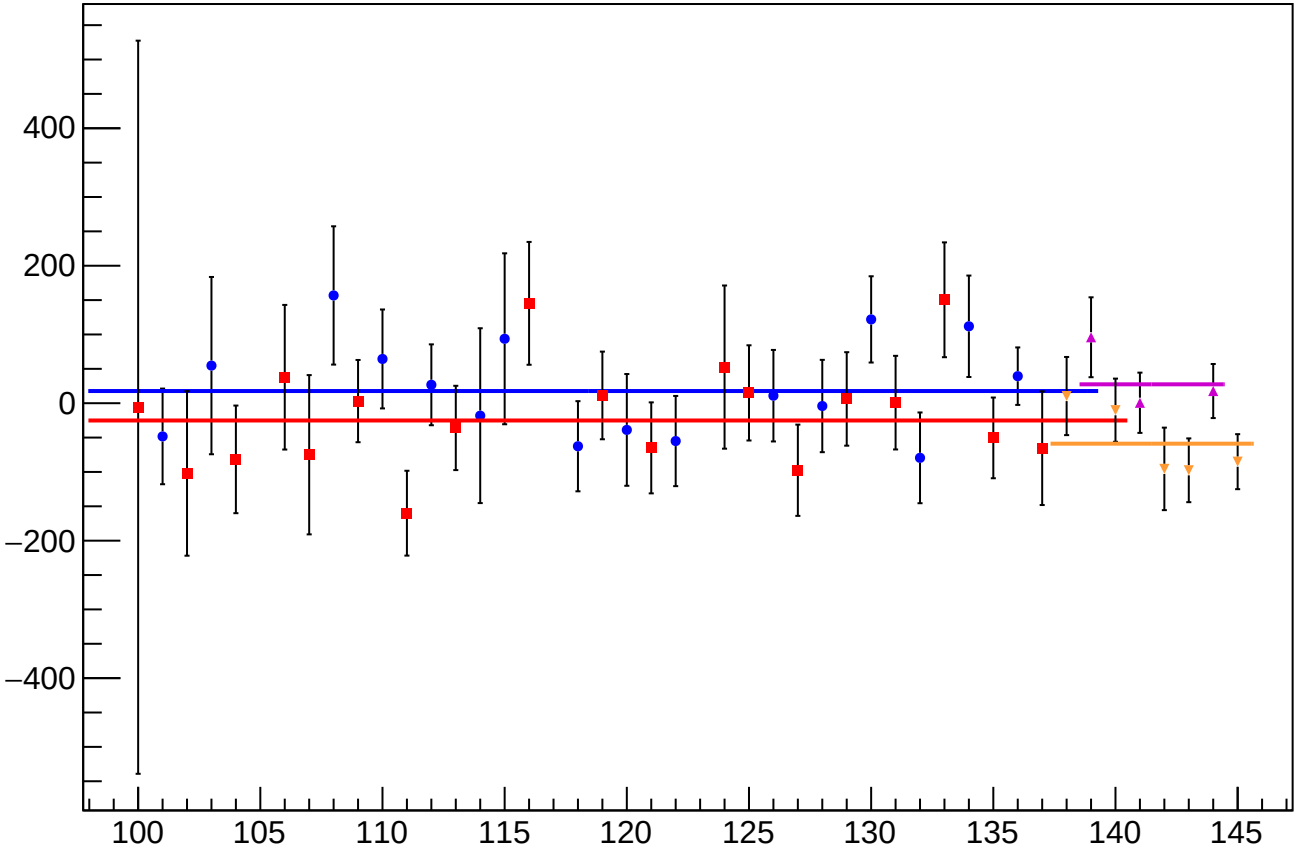
Left In: 301.493+/-0.136 χ^2/NDF:251204.2/2

+ sign 373.538+/-0.085 χ^2/NDF: 2449707.8/20

All: 383.055+/-0.063 χ^2/NDF: 4606846.4/42

- sign 394.404+/-0.093 χ^2/NDF: 2129890.4/21

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

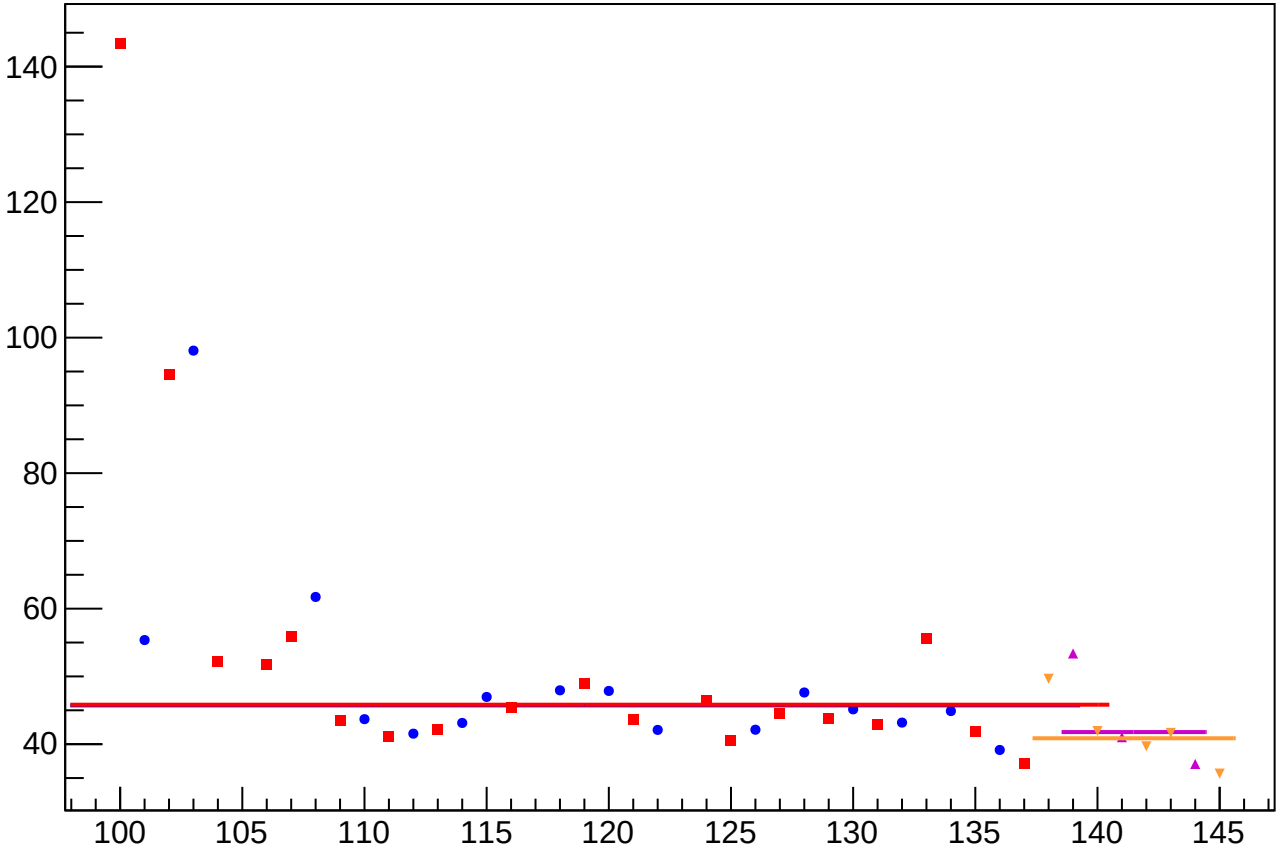
Left In: 27.471+/-26.147 χ^2/NDF:1.8/2

+ sign -12.642+/-13.575 χ^2/NDF: 25.7/20

All: -10.970+/-9.894 χ^2/NDF: 48.3/42

- sign -9.074+/-14.450 χ^2/NDF: 22.6/21

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

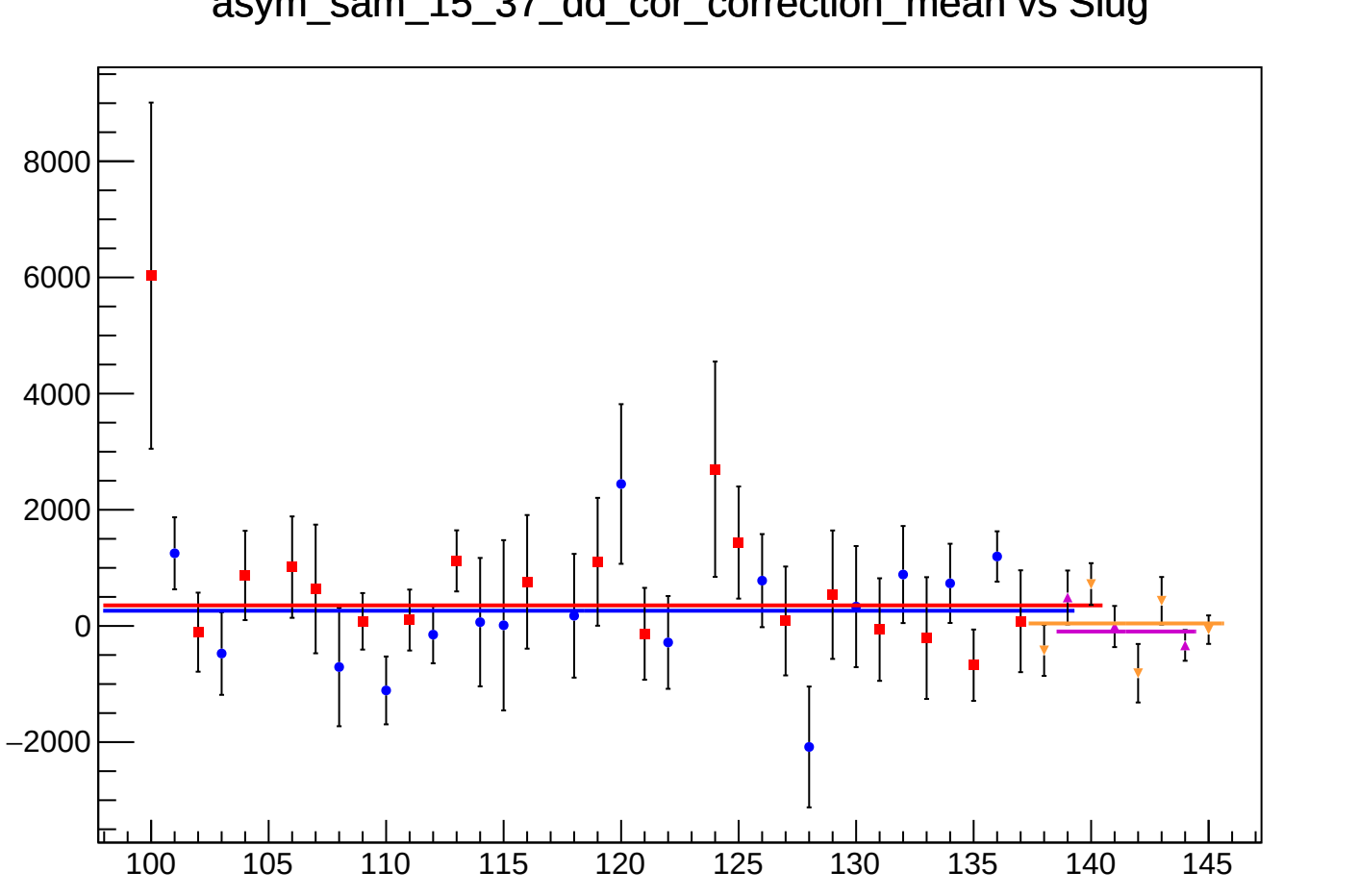
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.787+/-0.018 χ^2/NDF:108857.3/2

+ sign 43.803+/-0.010 χ^2/NDF: 646796.6/20

All: 44.173+/-0.007 χ^2/NDF: 1330430.7/42

- sign 44.592+/-0.010 χ^2/NDF: 680471.2/21



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 43.322+/-159.220 χ^2/NDF:8.7/4

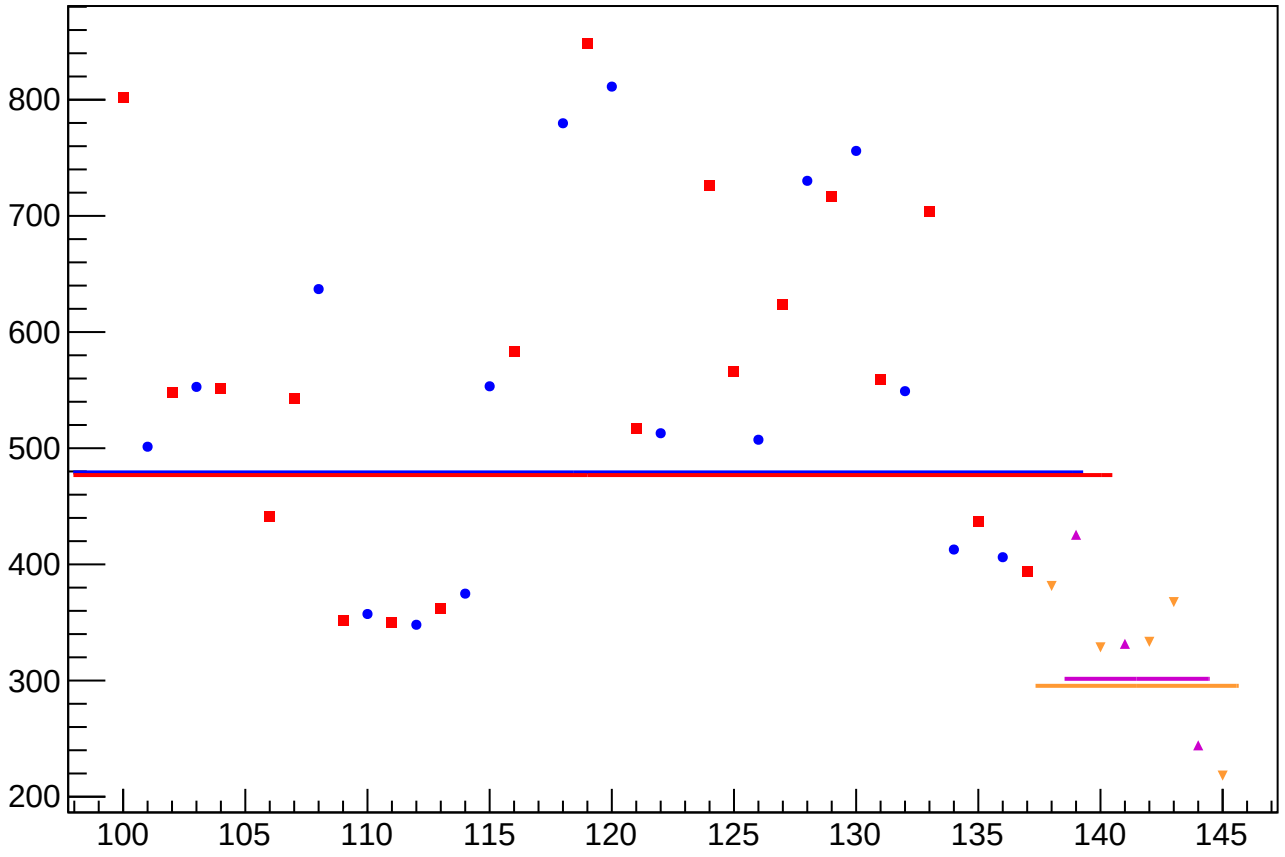
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -95.578+/-192.813 χ^2/NDF:2.5/2

+ sign 136.229+/-120.738 χ^2/NDF: 34.4/20

All: 139.032+/-89.187 χ^2/NDF: 55.0/42

- sign 142.398+/-132.314 χ^2/NDF: 20.6/21



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

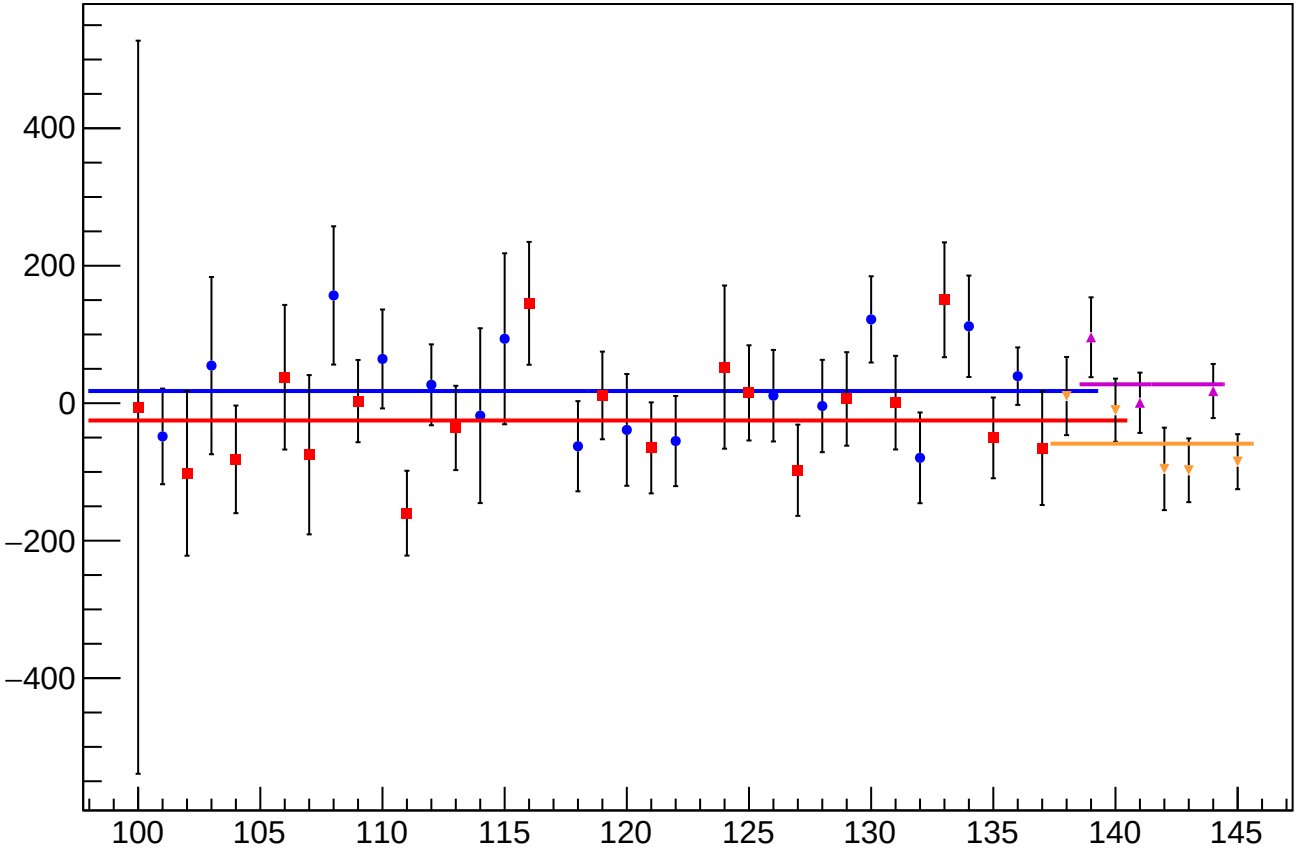
Left In: 301.494+/-0.136 χ^2/NDF:251205.0/2

+ sign 373.538+/-0.085 χ^2/NDF: 2449757.9/20

All: 382.969+/-0.063 χ^2/NDF: 4607265.1/42

- sign 394.296+/-0.094 χ^2/NDF: 2130647.0/21

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

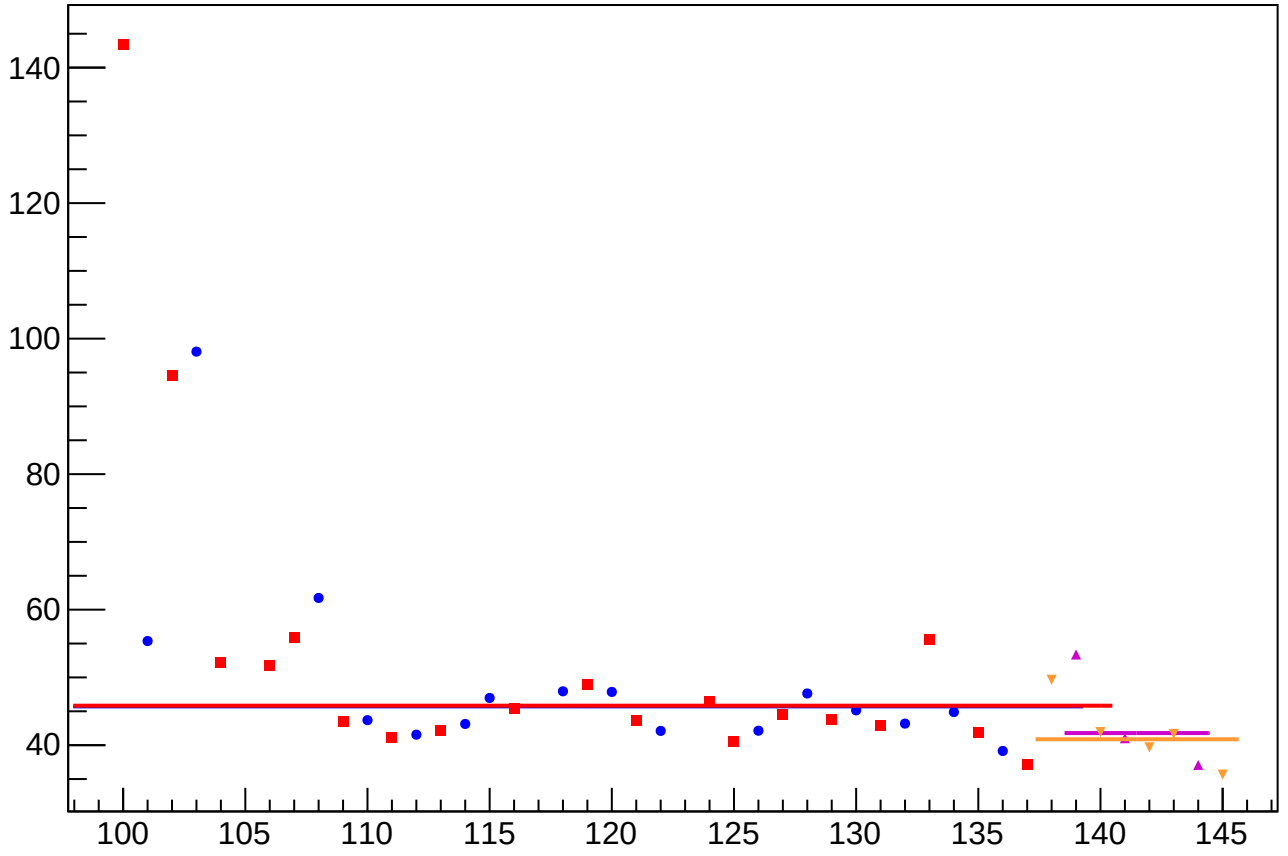
Left In: 27.471+/-26.147 χ^2/NDF:1.8/2

+ sign -12.642+/-13.575 χ^2/NDF: 25.7/20

All: -10.970+/-9.894 χ^2/NDF: 48.3/42

- sign -9.074+/-14.450 χ^2/NDF: 22.6/21

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

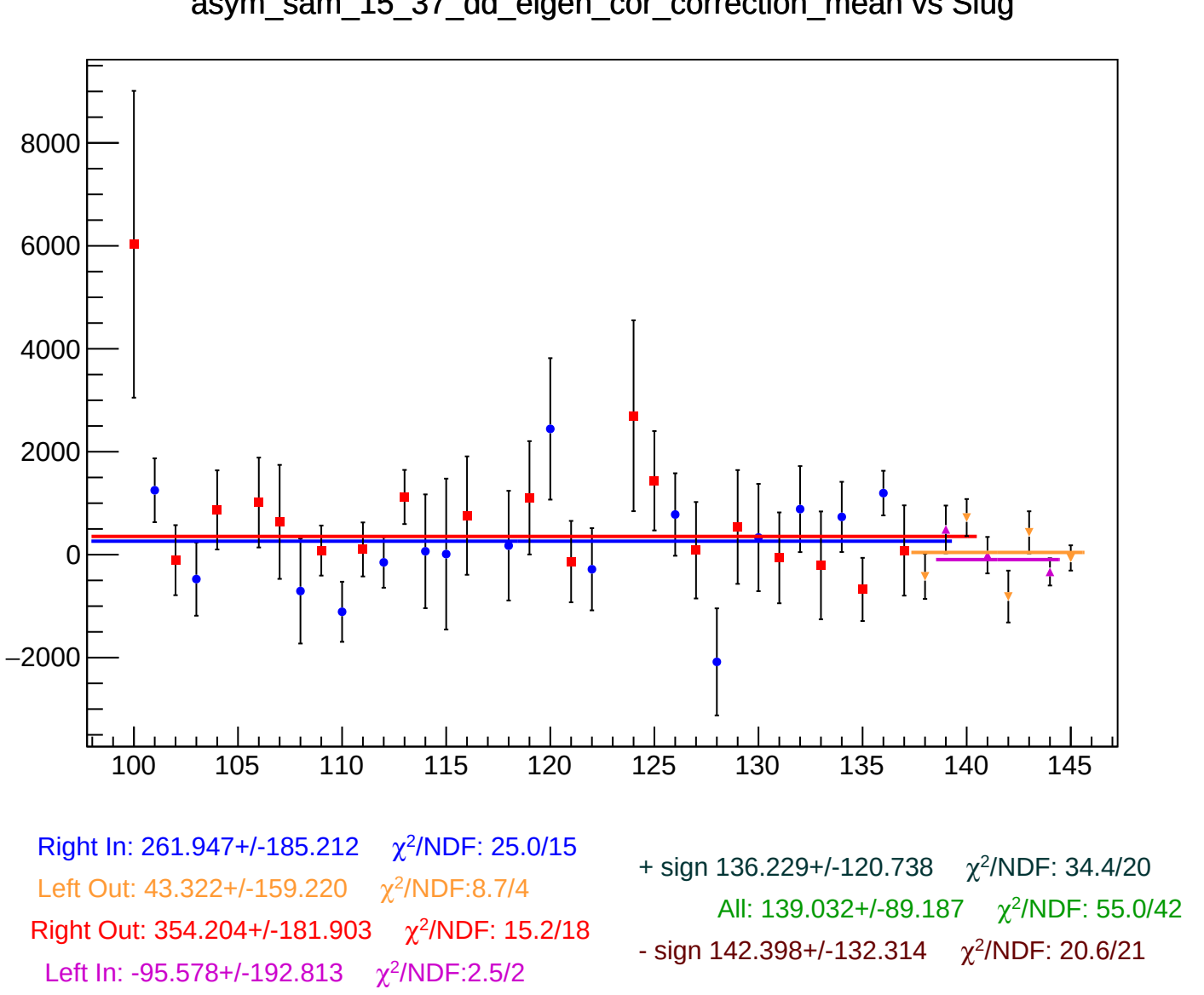
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

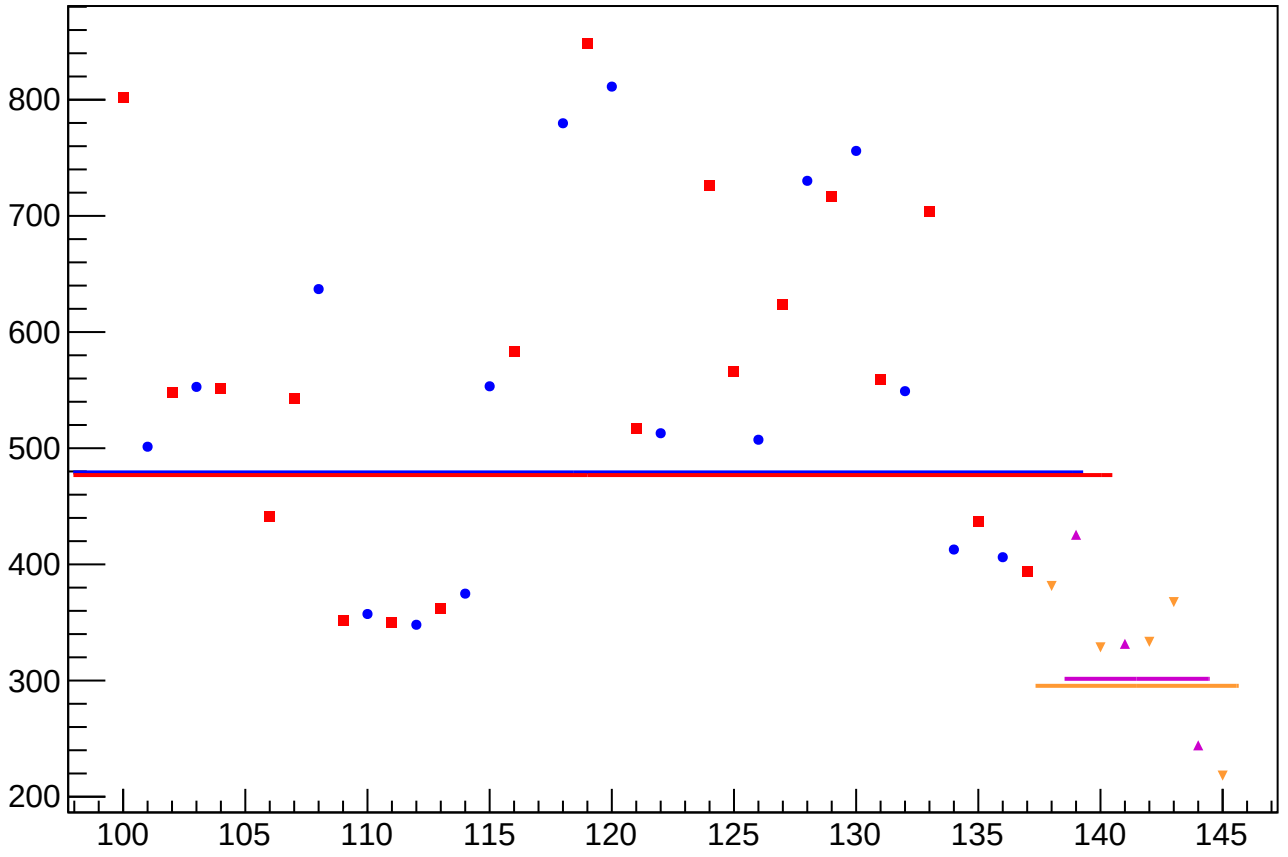
Left In: 41.787+/-0.018 χ^2/NDF:108857.3/2

+ sign 43.803+/-0.010 χ^2/NDF: 646796.6/20

All: 44.173+/-0.007 χ^2/NDF: 1330430.7/42

- sign 44.592+/-0.010 χ^2/NDF: 680471.2/21


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
105
110
115
120
125
130
135
140
145
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 43.322+/-159.220 χ²/NDF:8.7/4
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -95.578+/-192.813 χ²/NDF:2.5/2
+ sign 136.229+/-120.738 χ²/NDF: 34.4/20
All: 139.032+/-89.187 χ²/NDF: 55.0/42
- sign 142.398+/-132.314 χ²/NDF: 20.6/21



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

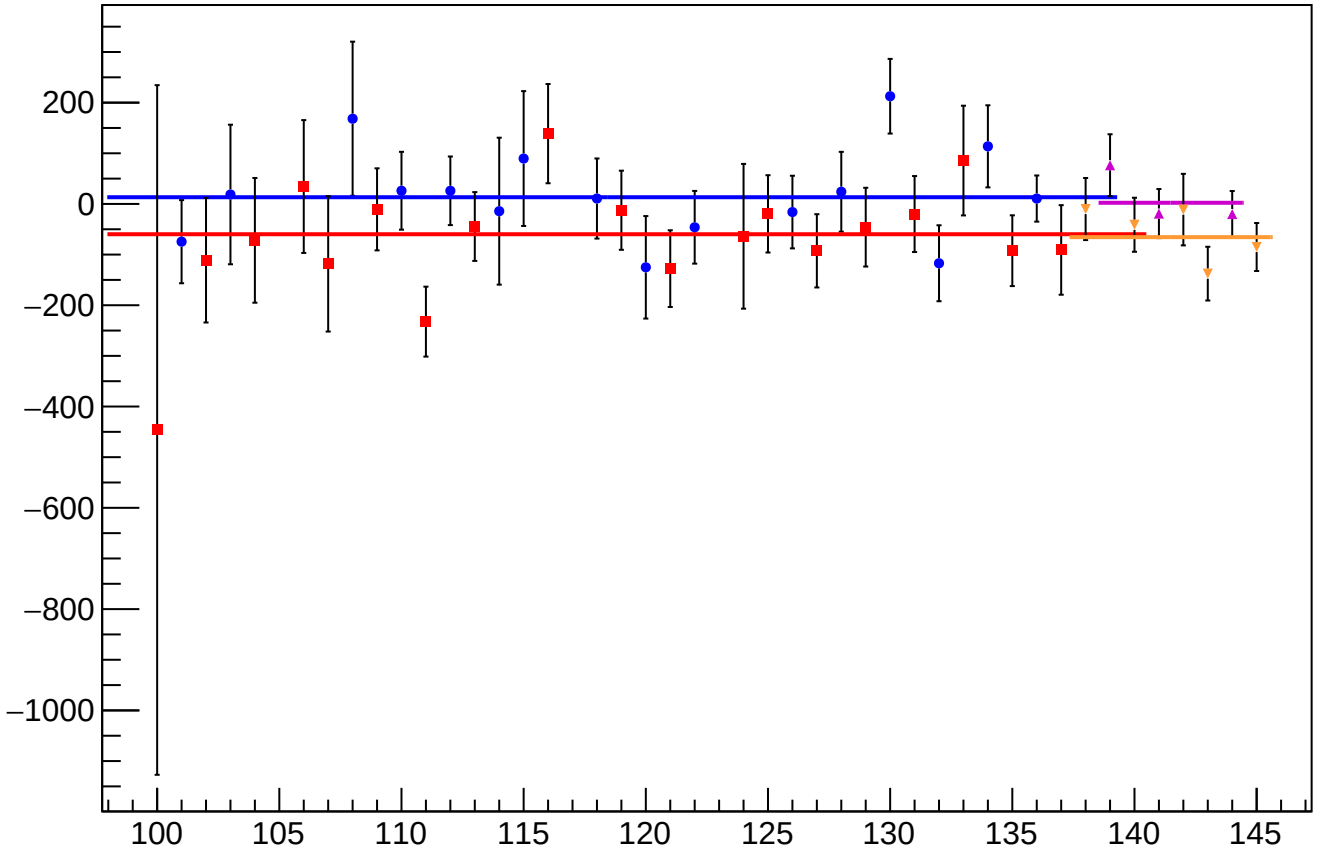
Left In: 301.494+/-0.136 χ^2/NDF:251205.0/2

+ sign 373.538+/-0.085 χ^2/NDF: 2449757.9/20

All: 382.969+/-0.063 χ^2/NDF: 4607265.1/42

- sign 394.296+/-0.094 χ^2/NDF: 2130647.0/21

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

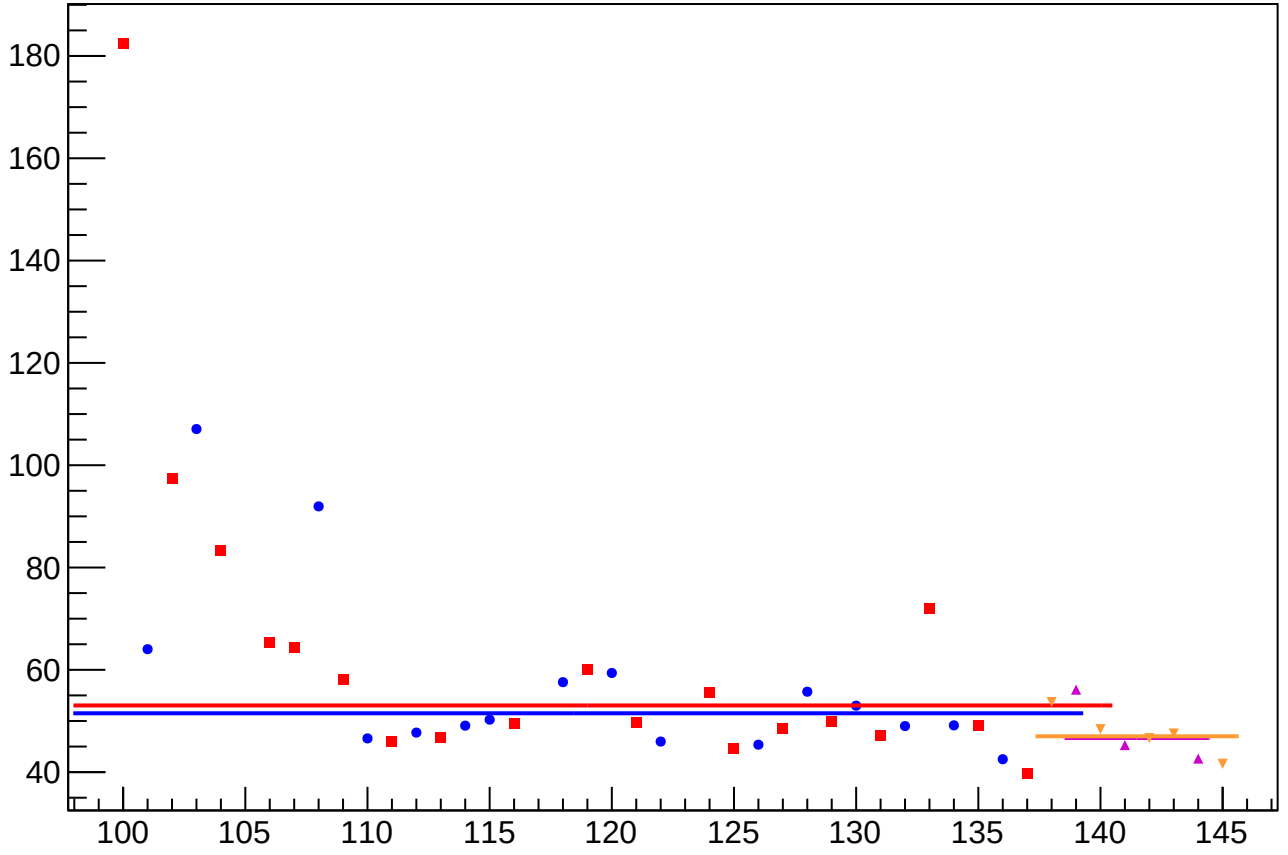
Left In: 2.284+/-29.129 χ^2/NDF:1.9/2

+ sign -17.435+/-15.510 χ^2/NDF: 27.0/20

All: -27.754+/-11.339 χ^2/NDF: 49.0/42

- sign -39.601+/-16.618 χ^2/NDF: 21.1/21

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

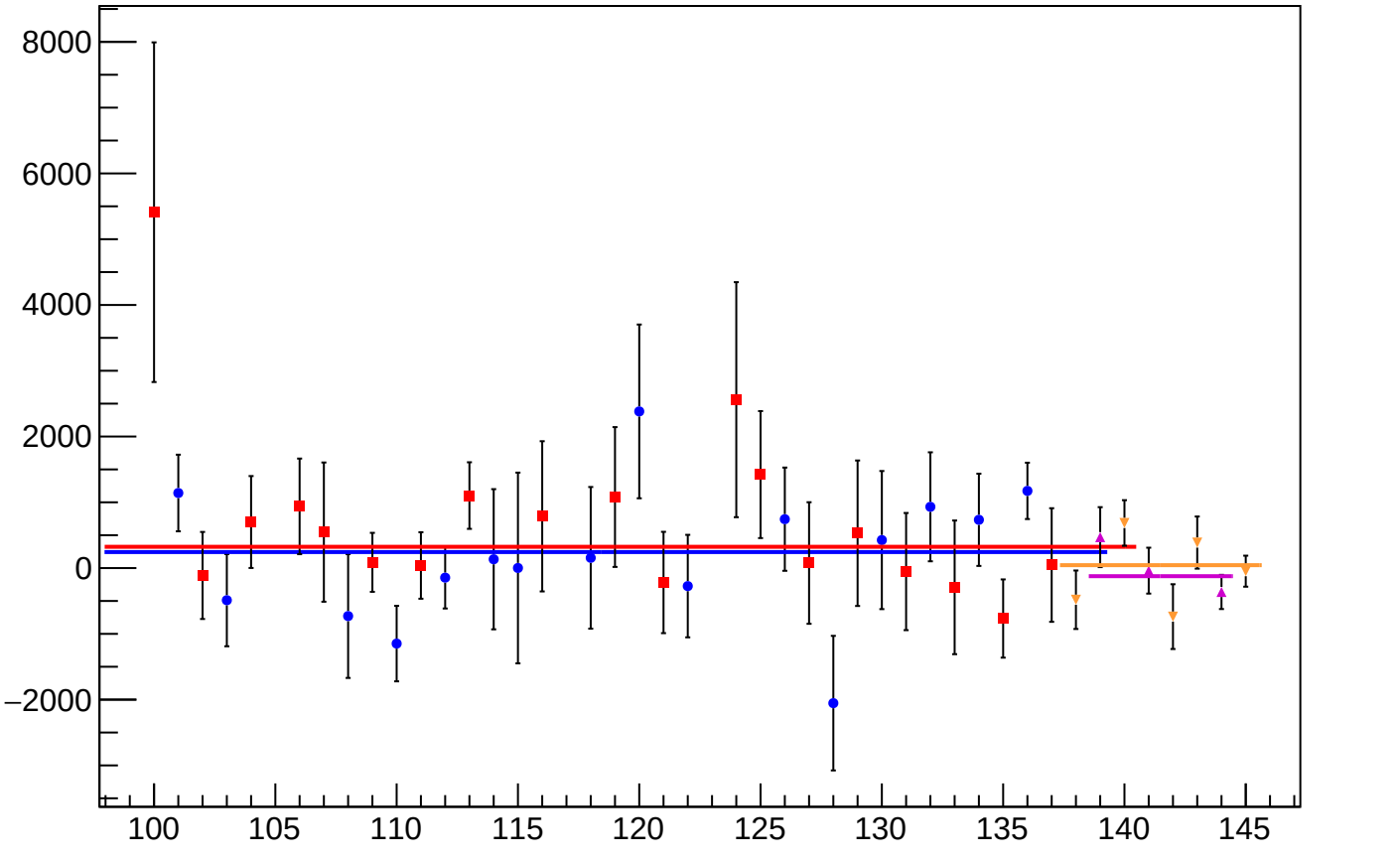
Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 46.670+/-0.021 χ^2/NDF:65134.3/2

+ sign 49.754+/-0.011 χ^2/NDF: 758207.3/20

All: 50.318+/-0.008 χ^2/NDF: 1606388.0/42

- sign 50.965+/-0.012 χ^2/NDF: 842507.3/21



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

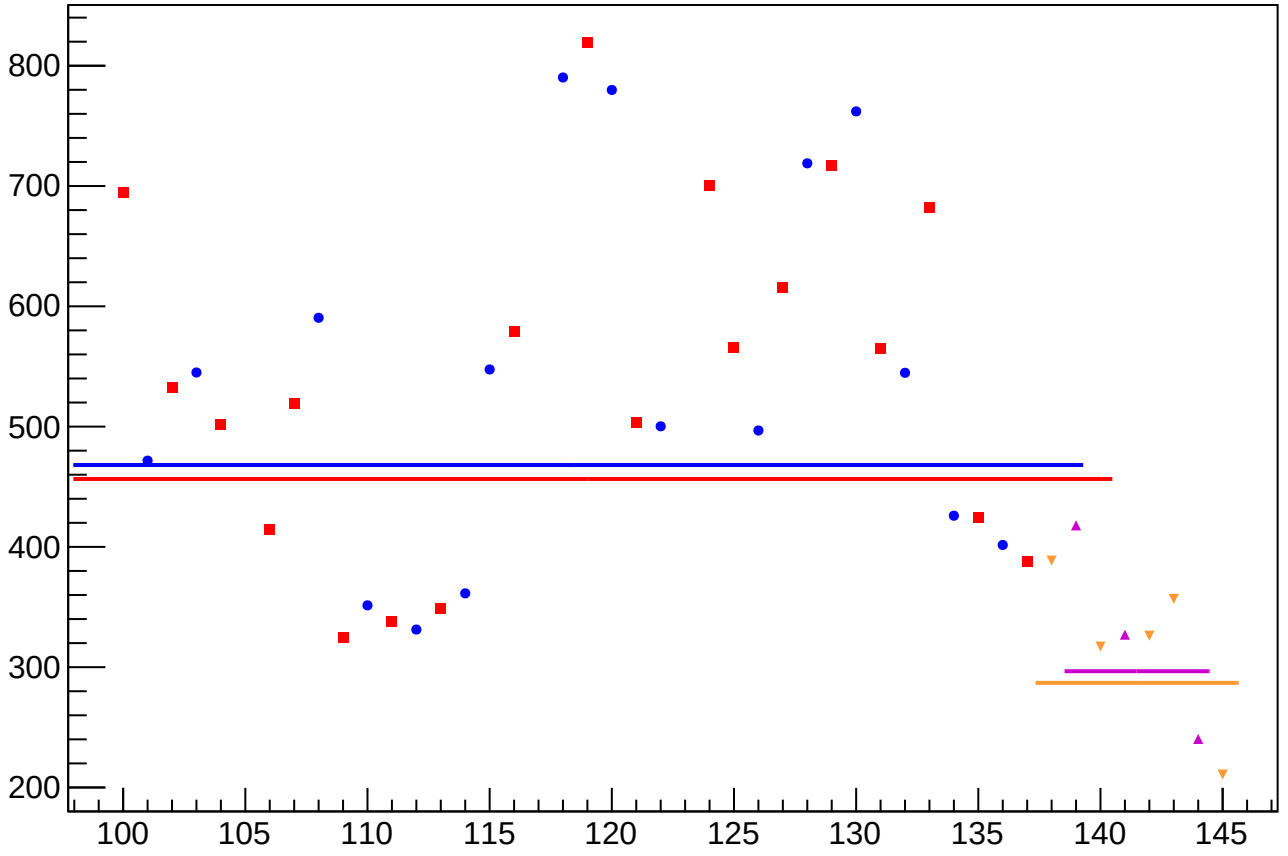
Left In: -123.167+/-189.524 χ^2/NDF:2.6/2

+ sign 128.444+/-117.511 χ^2/NDF: 34.5/20

All: 124.466+/-86.572 χ^2/NDF: 56.6/42

- sign 119.745+/-128.027 χ^2/NDF: 22.1/21

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

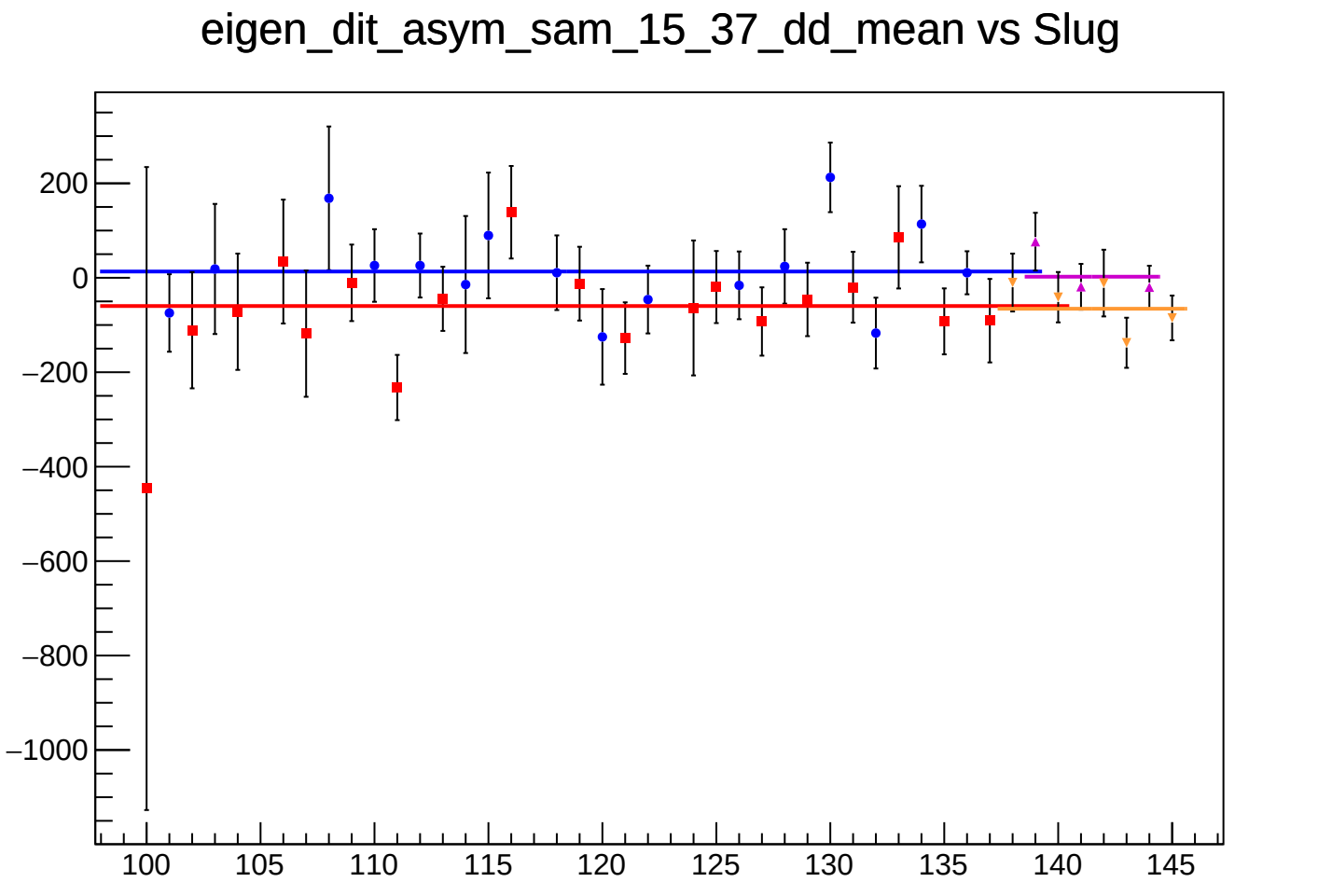
Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 296.642+/-0.134 χ^2/NDF:250658.4/2

+ sign 363.406+/-0.083 χ^2/NDF: 2545088.2/20

All: 372.610+/-0.061 χ^2/NDF: 4678431.4/42

- sign 383.536+/-0.091 χ^2/NDF: 2106506.9/21



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

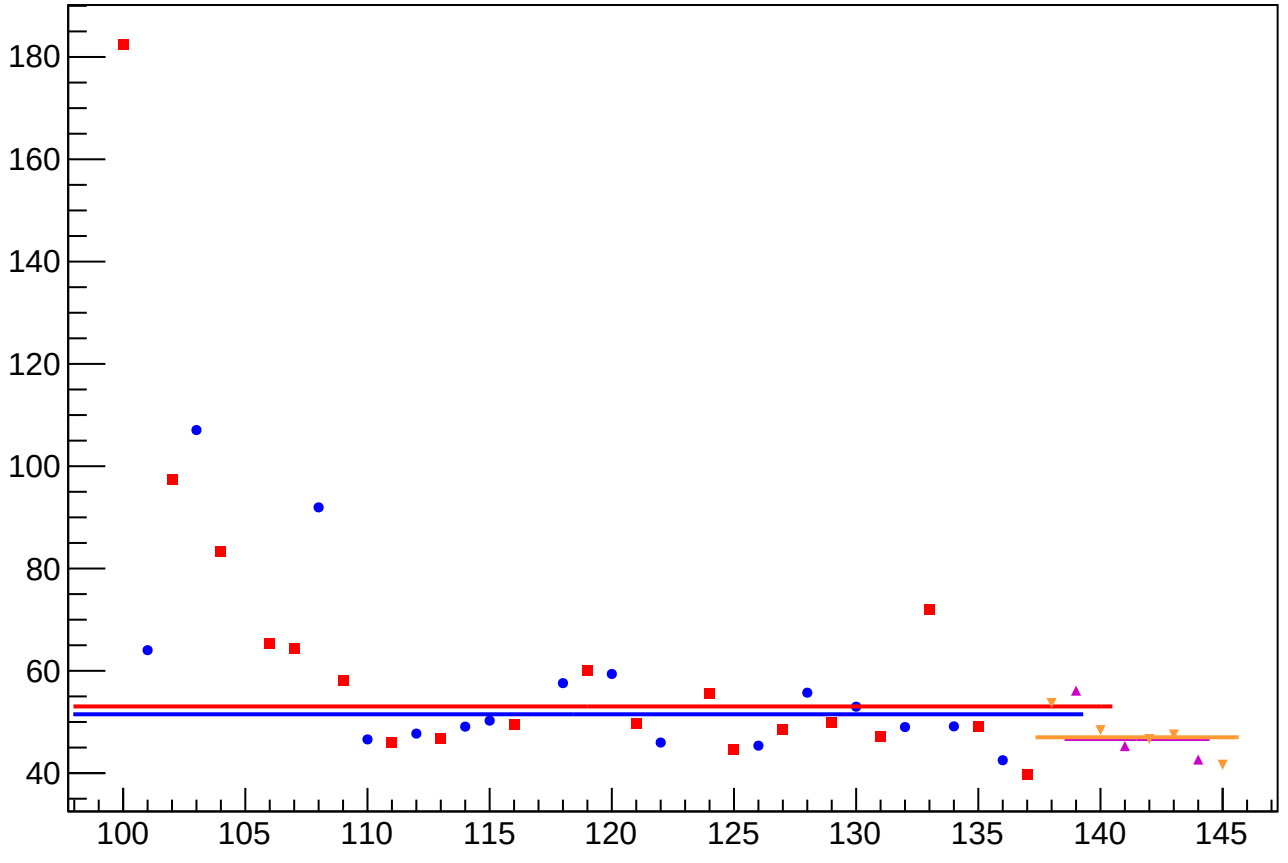
Left In: 2.285+/-29.129 χ^2/NDF:1.9/2

+ sign -17.434+/-15.510 χ^2/NDF: 27.0/20

All: -27.754+/-11.339 χ^2/NDF: 49.0/42

- sign -39.601+/-16.618 χ^2/NDF: 21.1/21

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

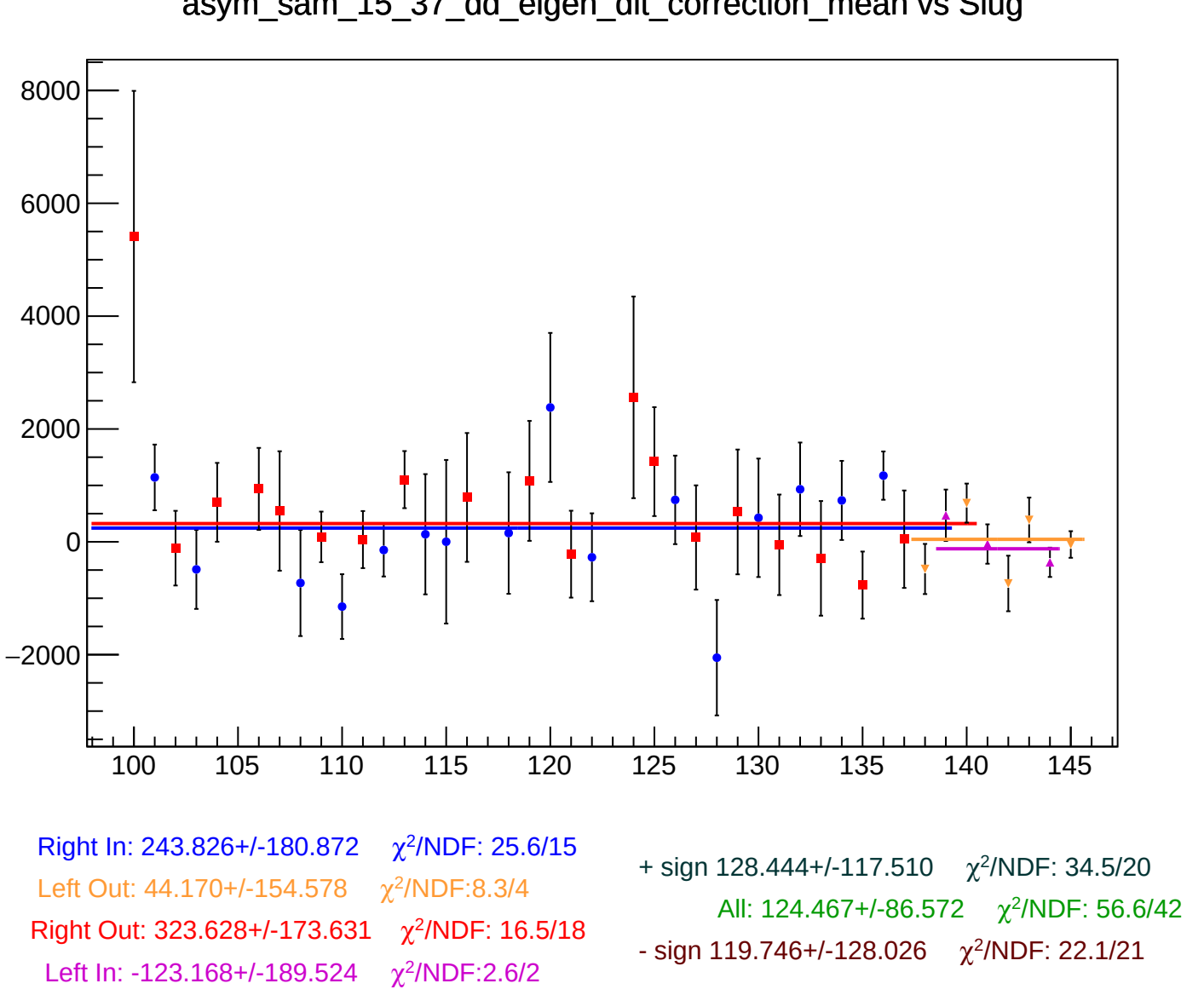
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

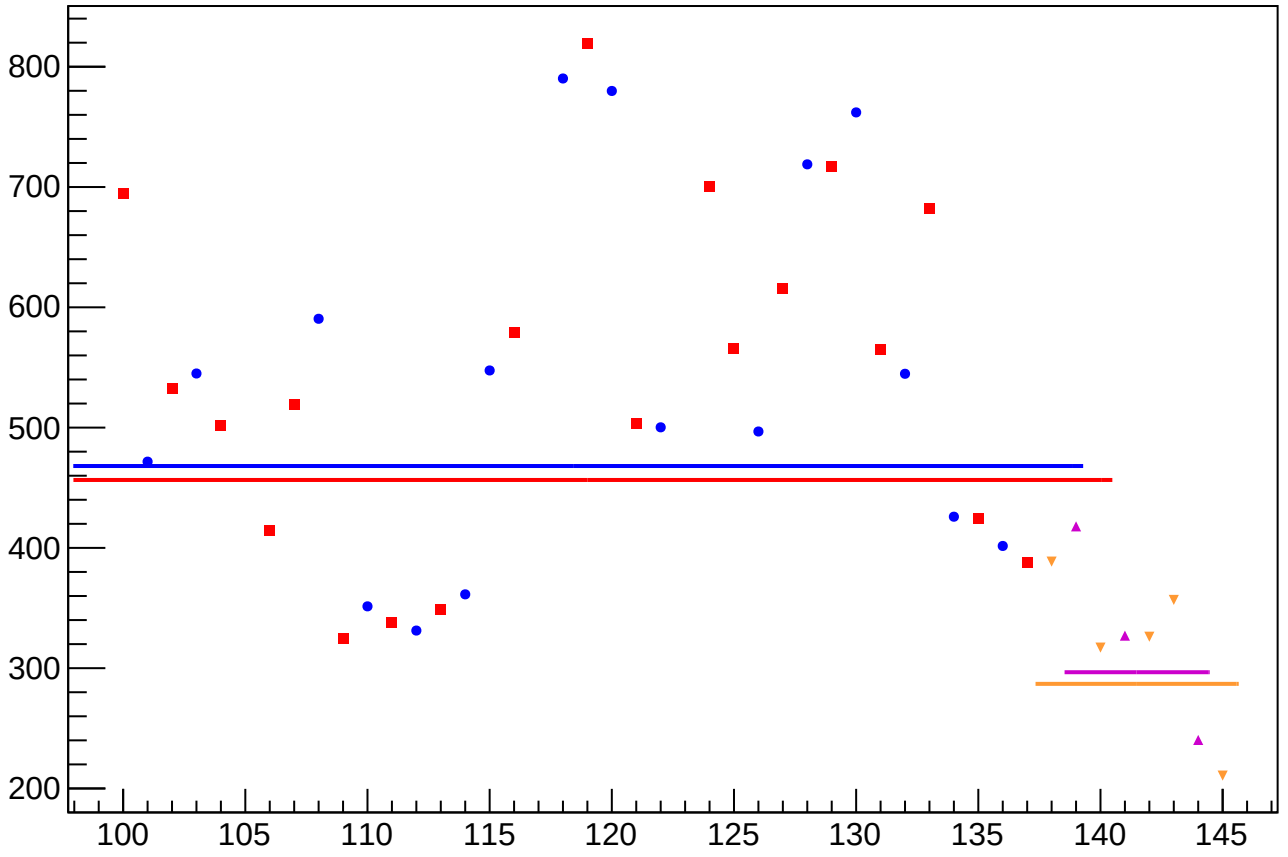
Left In: 46.670+/-0.021 χ^2/NDF:65134.1/2

+ sign 49.754+/-0.011 χ^2/NDF: 758211.6/20

All: 50.318+/-0.008 χ^2/NDF: 1606401.6/42

- sign 50.965+/-0.012 χ^2/NDF: 842516.6/21


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
105
110
115
120
125
130
135
140
145
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 44.170+/-154.578 χ²/NDF:8.3/4
Right Out: 323.628+/-173.631 χ²/NDF: 16.5/18
Left In: -123.168+/-189.524 χ²/NDF:2.6/2
+ sign 128.444+/-117.510 χ²/NDF: 34.5/20
All: 124.467+/-86.572 χ²/NDF: 56.6/42
- sign 119.746+/-128.026 χ²/NDF: 22.1/21



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

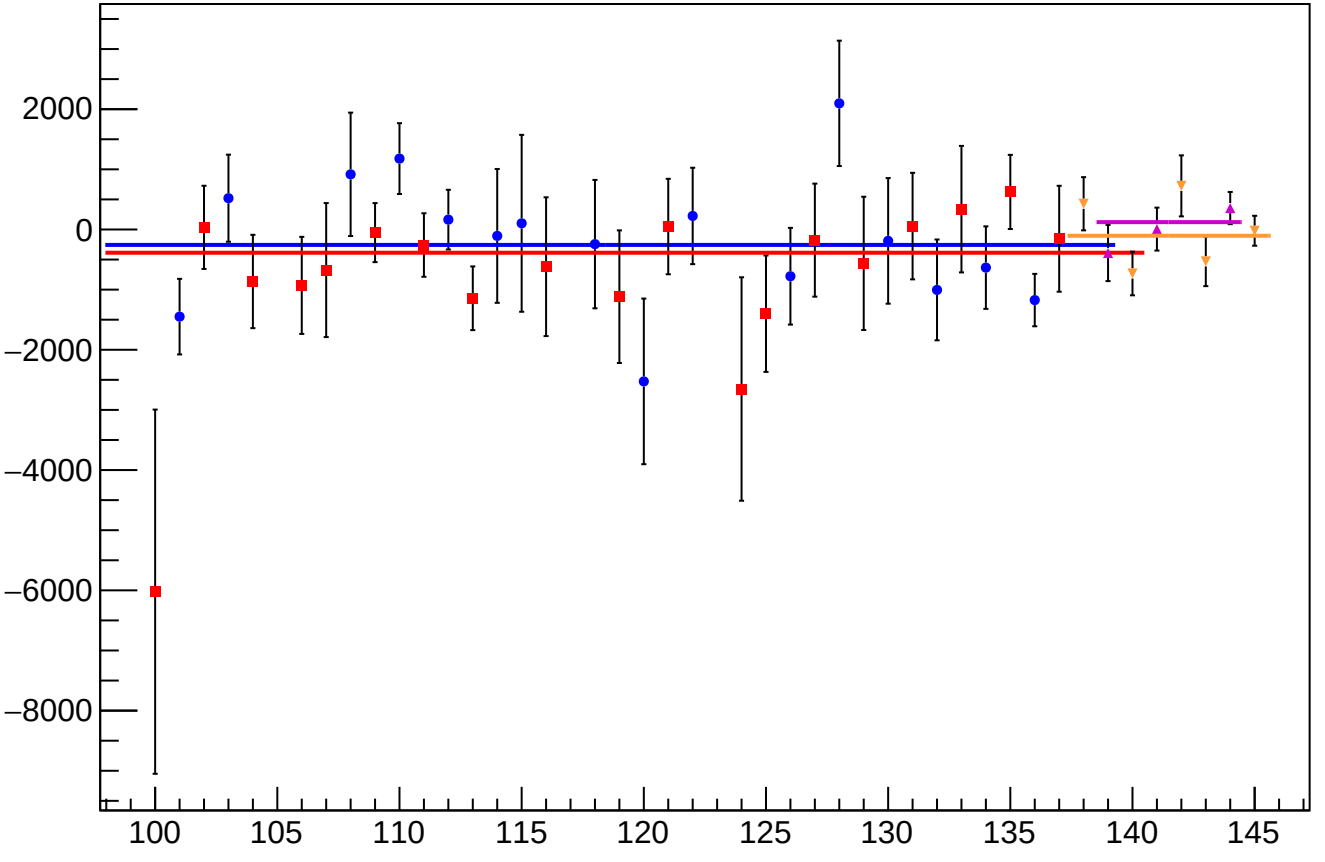
Left In: 296.642+/-0.134 χ^2/NDF:250660.2/2

+ sign 363.406+/-0.083 χ^2/NDF: 2545084.6/20

All: 372.610+/-0.061 χ^2/NDF: 4678419.6/42

- sign 383.536+/-0.091 χ^2/NDF: 2106498.5/21

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

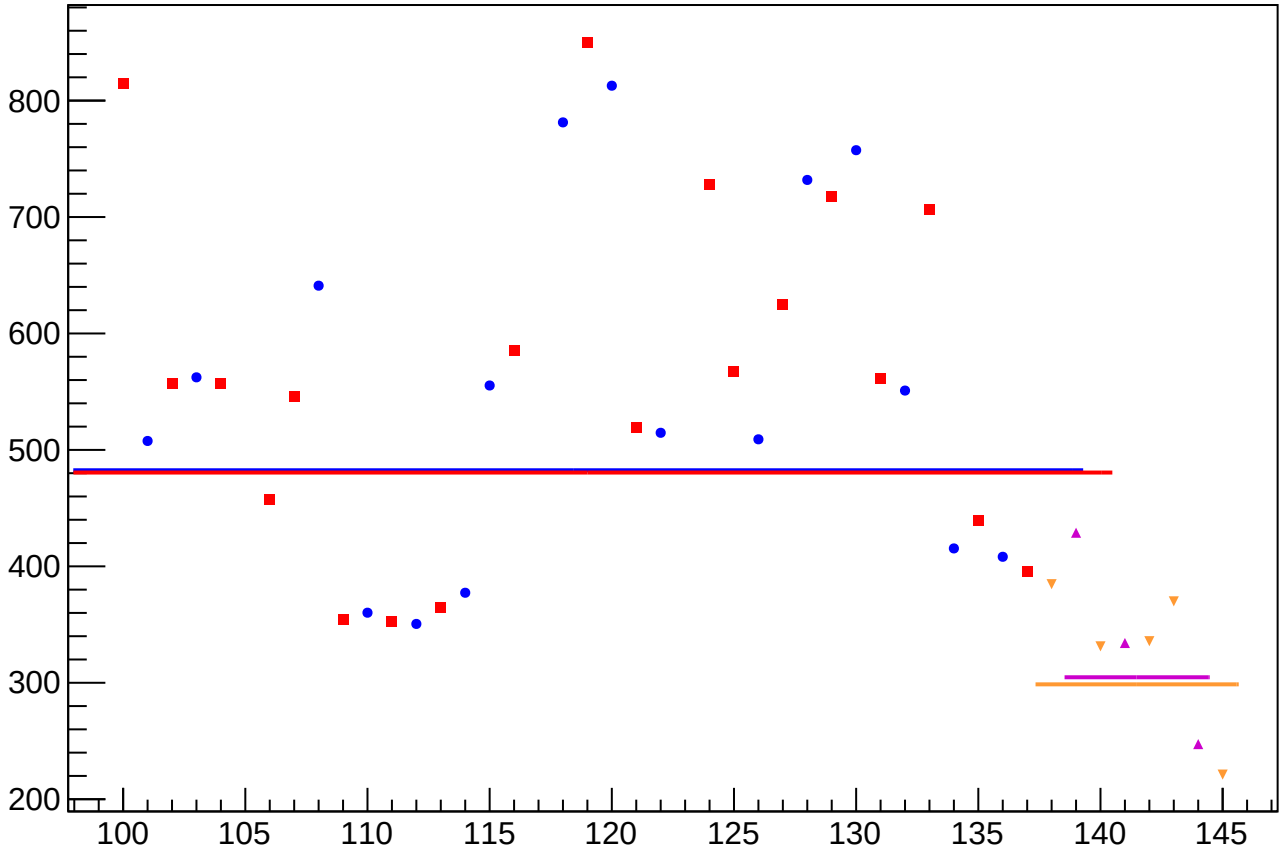
Left In: 122.227+/-194.748 χ^2/NDF:2.1/2

+ sign -169.255+/-121.784 χ^2/NDF: 35.6/20

All: -159.934+/-89.853 χ^2/NDF: 55.6/42

- sign -148.798+/-133.113 χ^2/NDF: 19.9/21

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

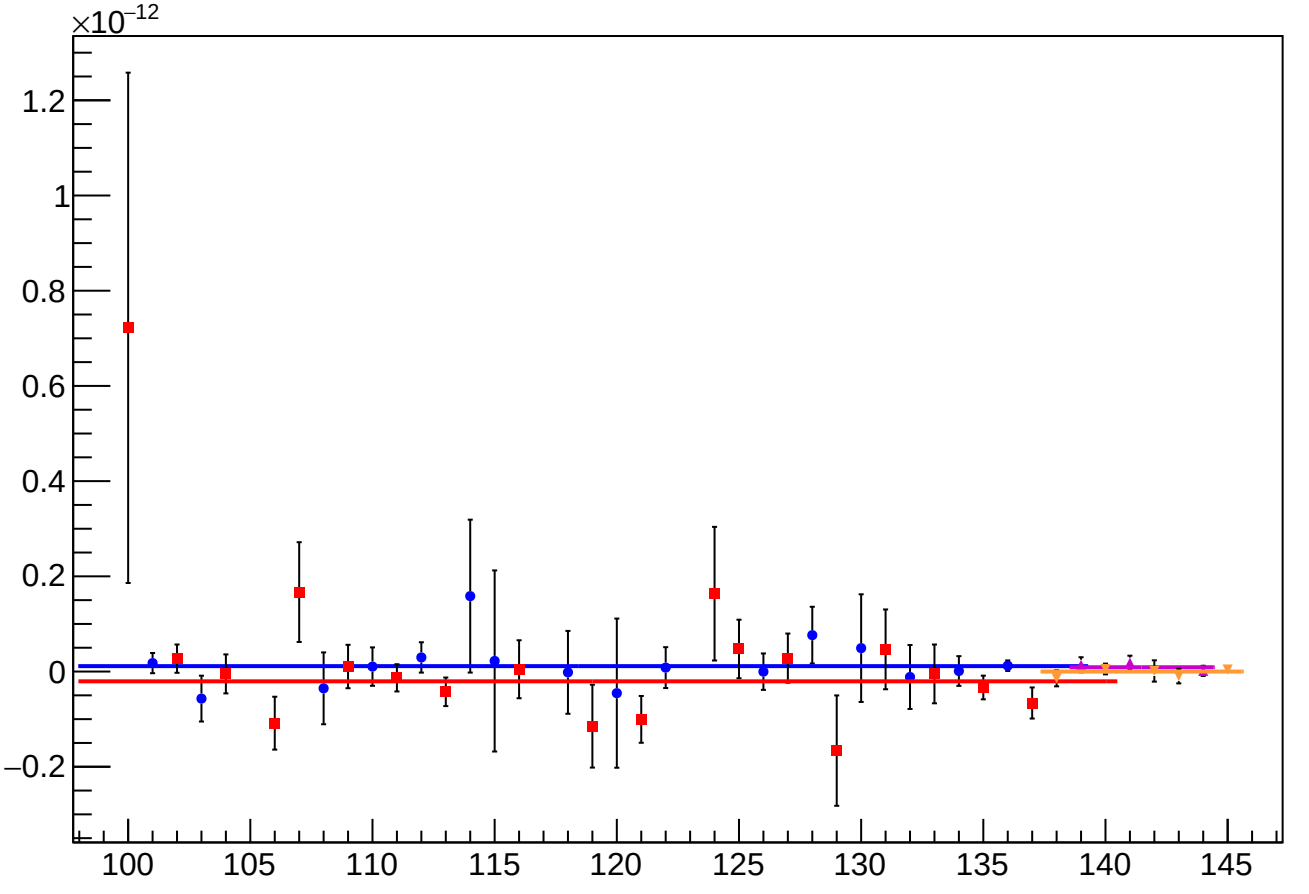
Left In: 304.733+/-0.138 χ^2/NDF:246645.5/2

+ sign 377.083+/-0.086 χ^2/NDF: 2418272.2/20

All: 386.803+/-0.064 χ^2/NDF: 4555273.7/42

- sign 398.414+/-0.094 χ^2/NDF: 2109044.2/21

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

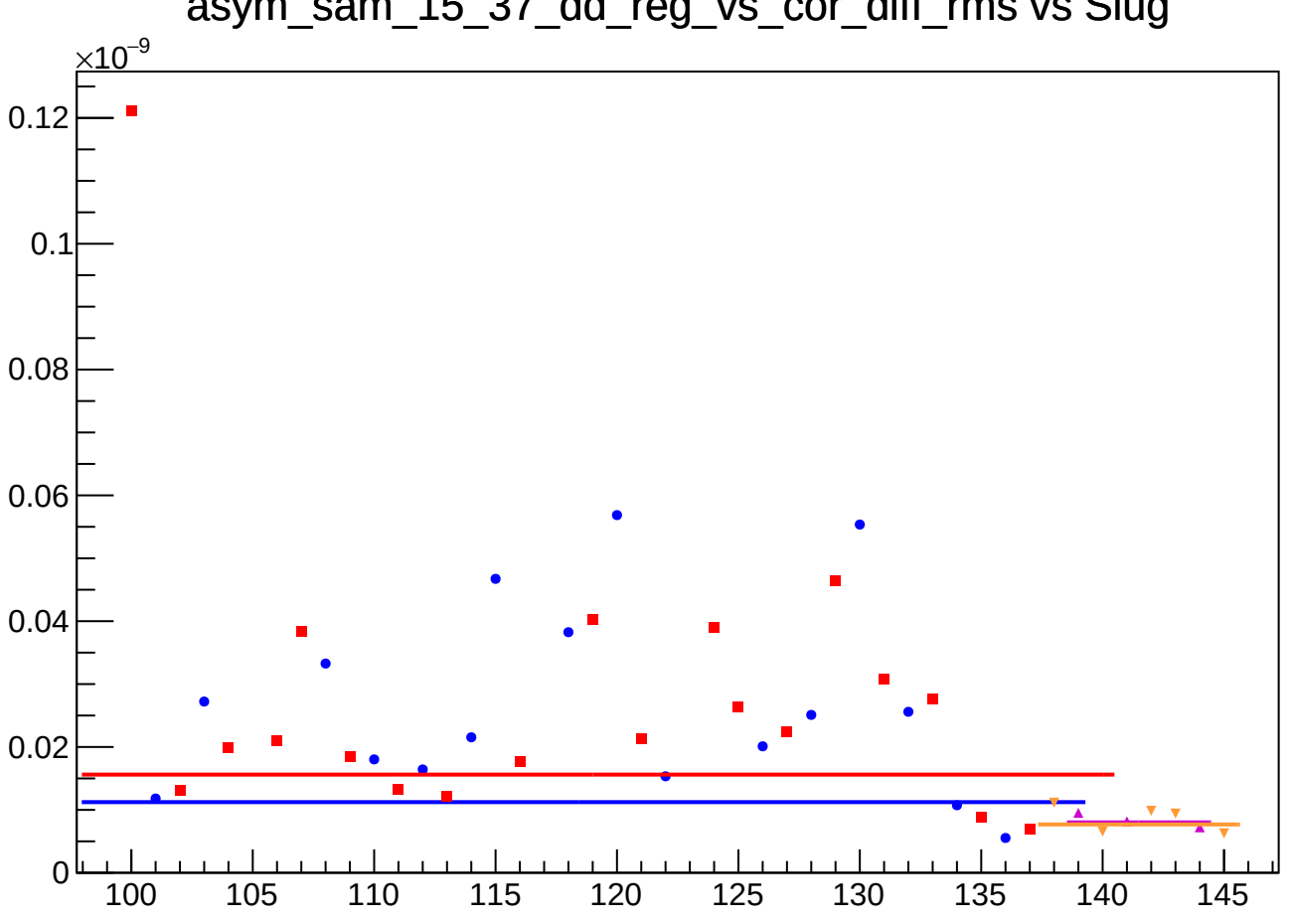
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 8.2/20

All: 0.000+/-0.000 χ^2/NDF: 38.9/42

- sign -0.000+/-0.000 χ^2/NDF: 30.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:189441.7/4

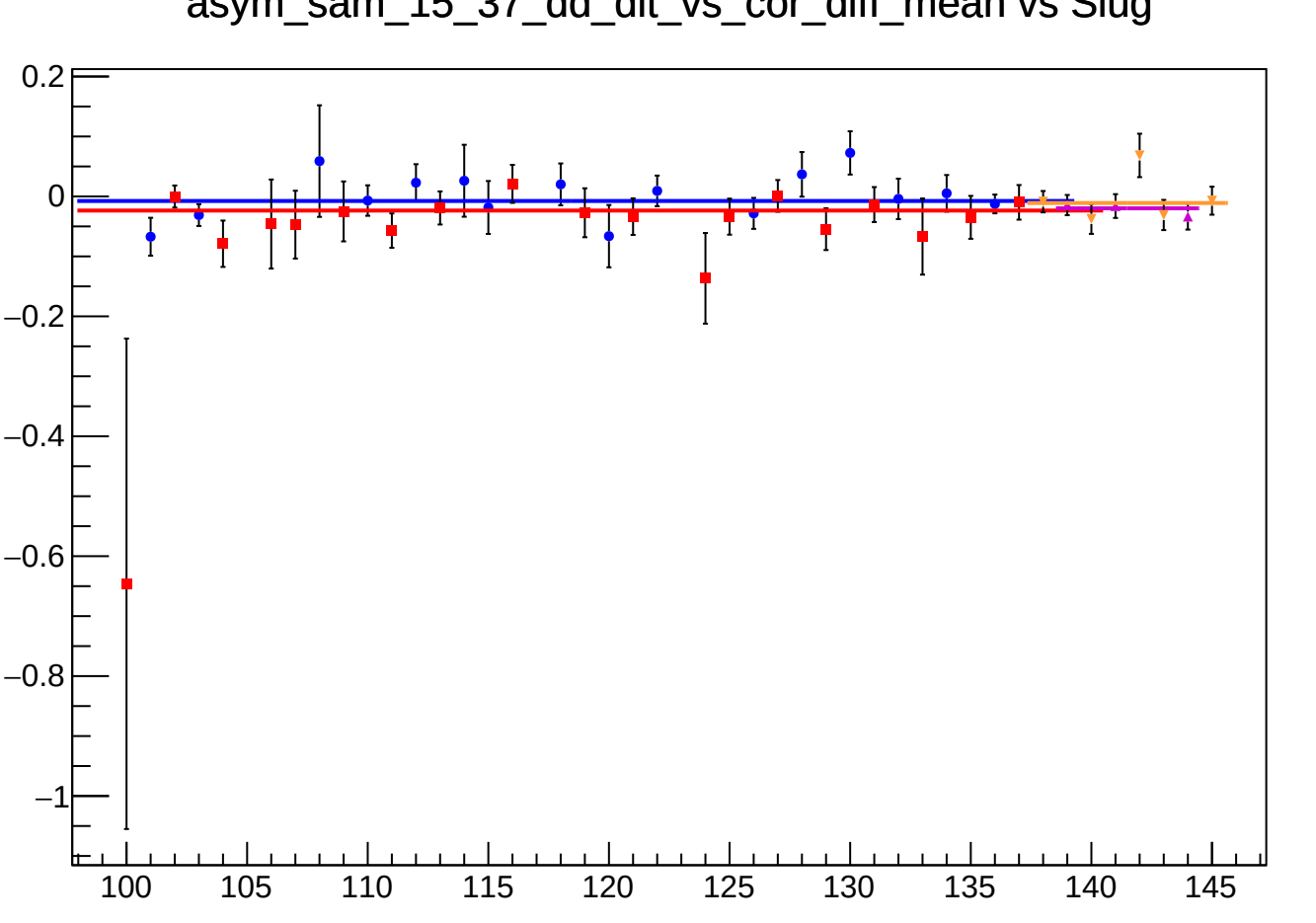
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:29228.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 2545649.3/20

All: 0.000+/-0.000 χ^2/NDF: 4571195.8/42

- sign 0.000+/-0.000 χ^2/NDF: 1925460.4/21



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

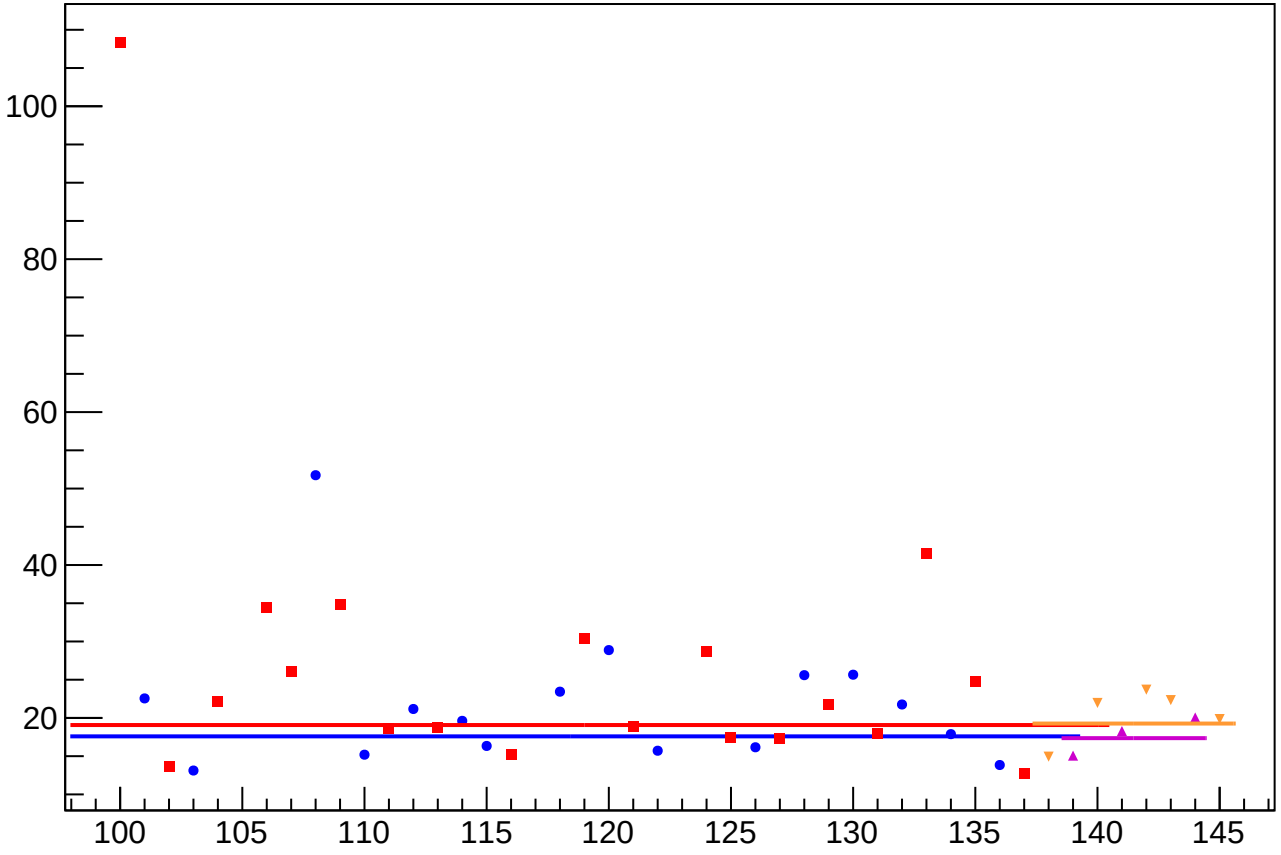
Left In: -0.020+/-0.011 χ^2/NDF:0.5/2

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/20

All: -0.015+/-0.004 χ^2/NDF: 41.1/42

- sign -0.022+/-0.006 χ^2/NDF: 15.3/21

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

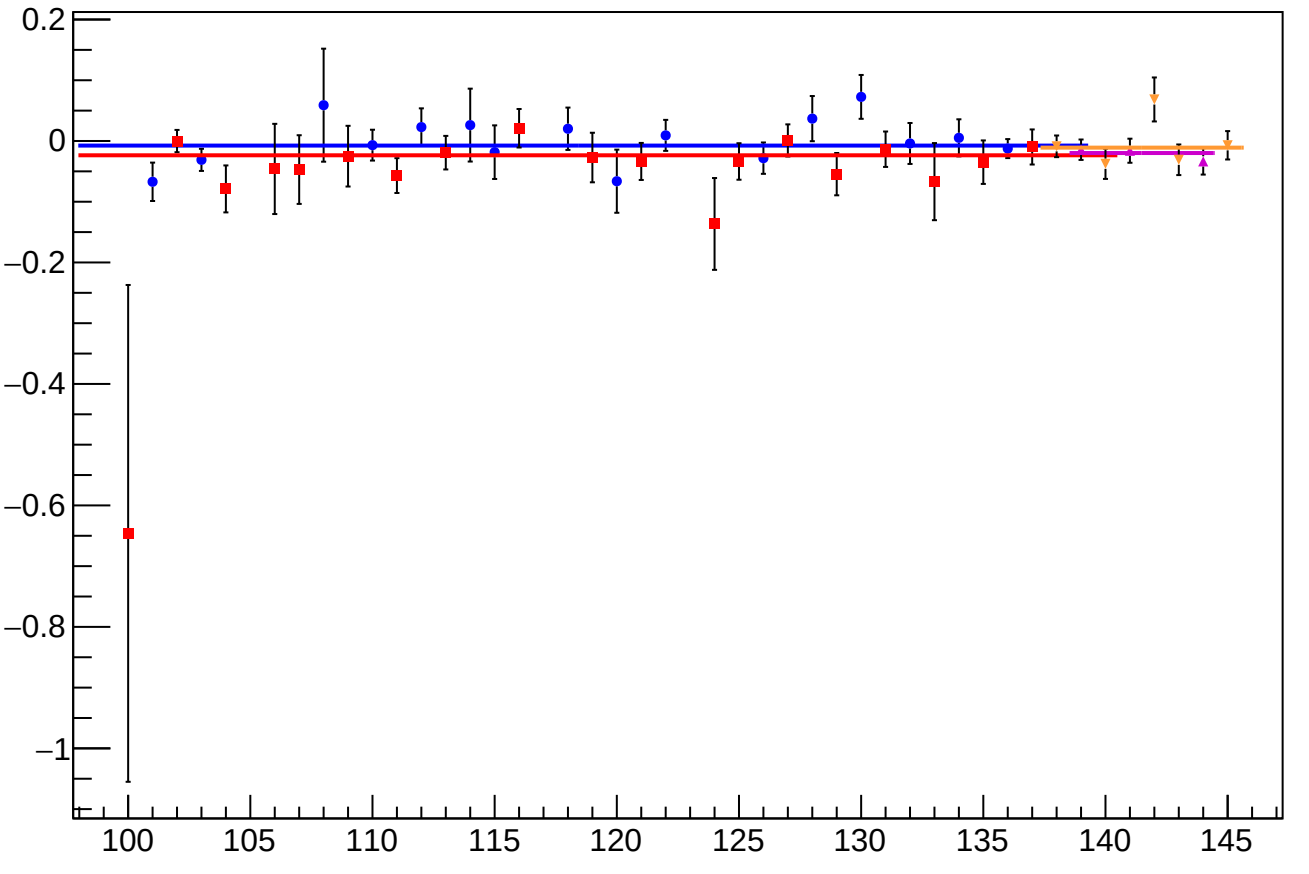
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.357+/-0.008 χ^2/NDF:72364.2/2

+ sign 18.121+/-0.004 χ^2/NDF: 1229783.0/20

All: 18.302+/-0.003 χ^2/NDF: 2586383.2/42

- sign 18.507+/-0.004 χ^2/NDF: 1352676.0/21



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.011 χ^2/NDF:6.6/4

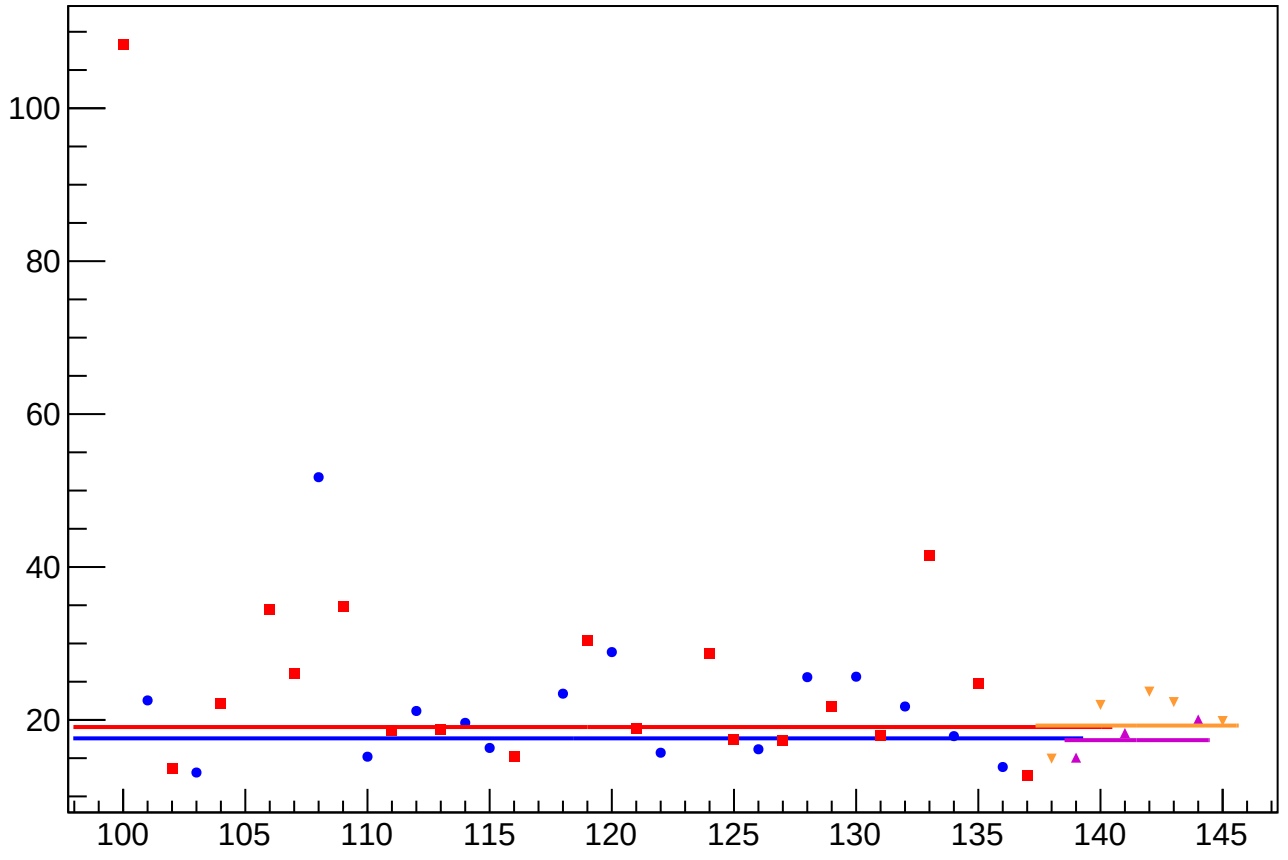
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.020+/-0.011 χ^2/NDF:0.5/2

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/20

All: -0.015+/-0.004 χ^2/NDF: 41.1/42

- sign -0.022+/-0.006 χ^2/NDF: 15.3/21



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.267+/-0.007 χ^2/NDF:202273.2/4

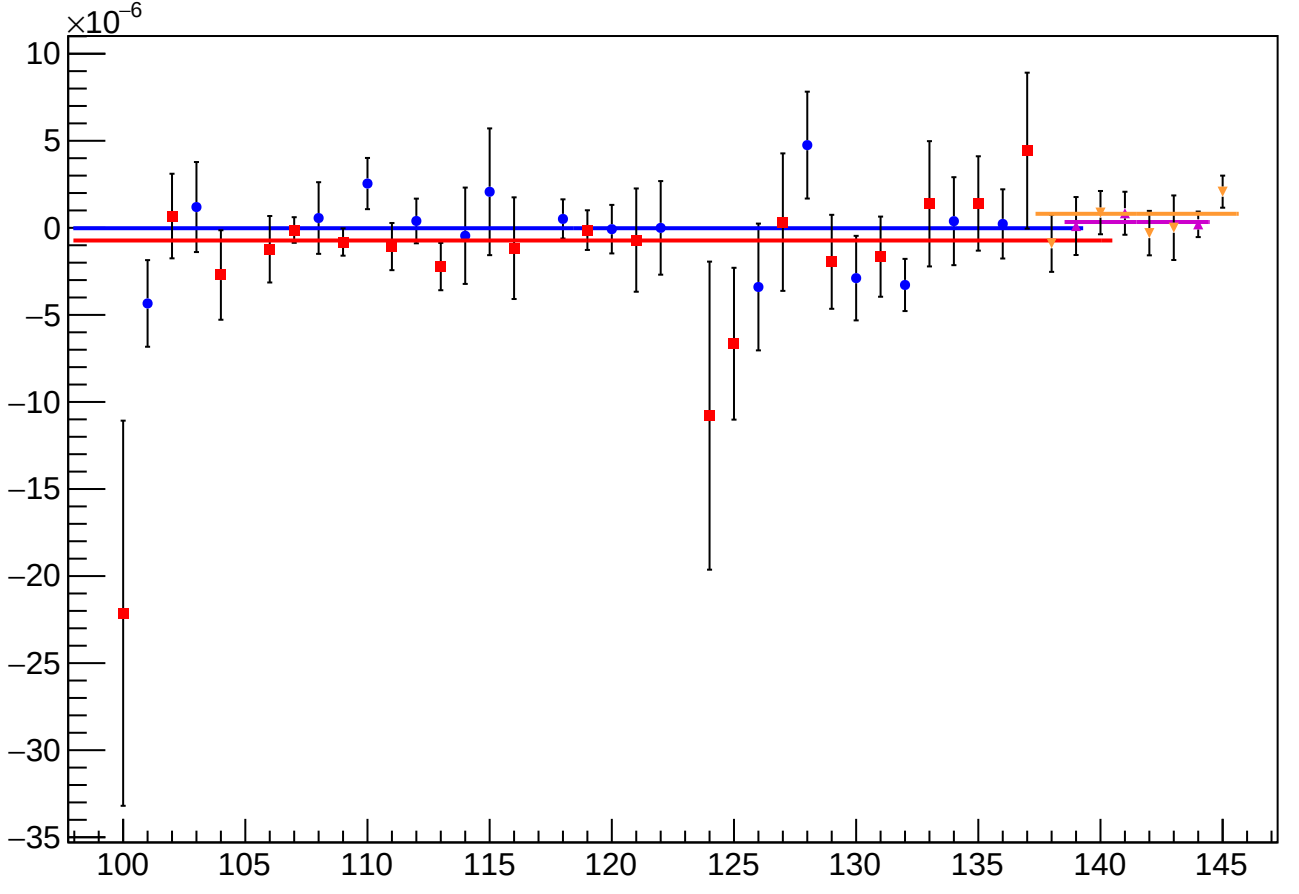
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.357+/-0.008 χ^2/NDF:72364.2/2

+ sign 18.121+/-0.004 χ^2/NDF: 1229783.0/20

All: 18.302+/-0.003 χ^2/NDF: 2586383.2/42

- sign 18.507+/-0.004 χ^2/NDF: 1352676.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/4

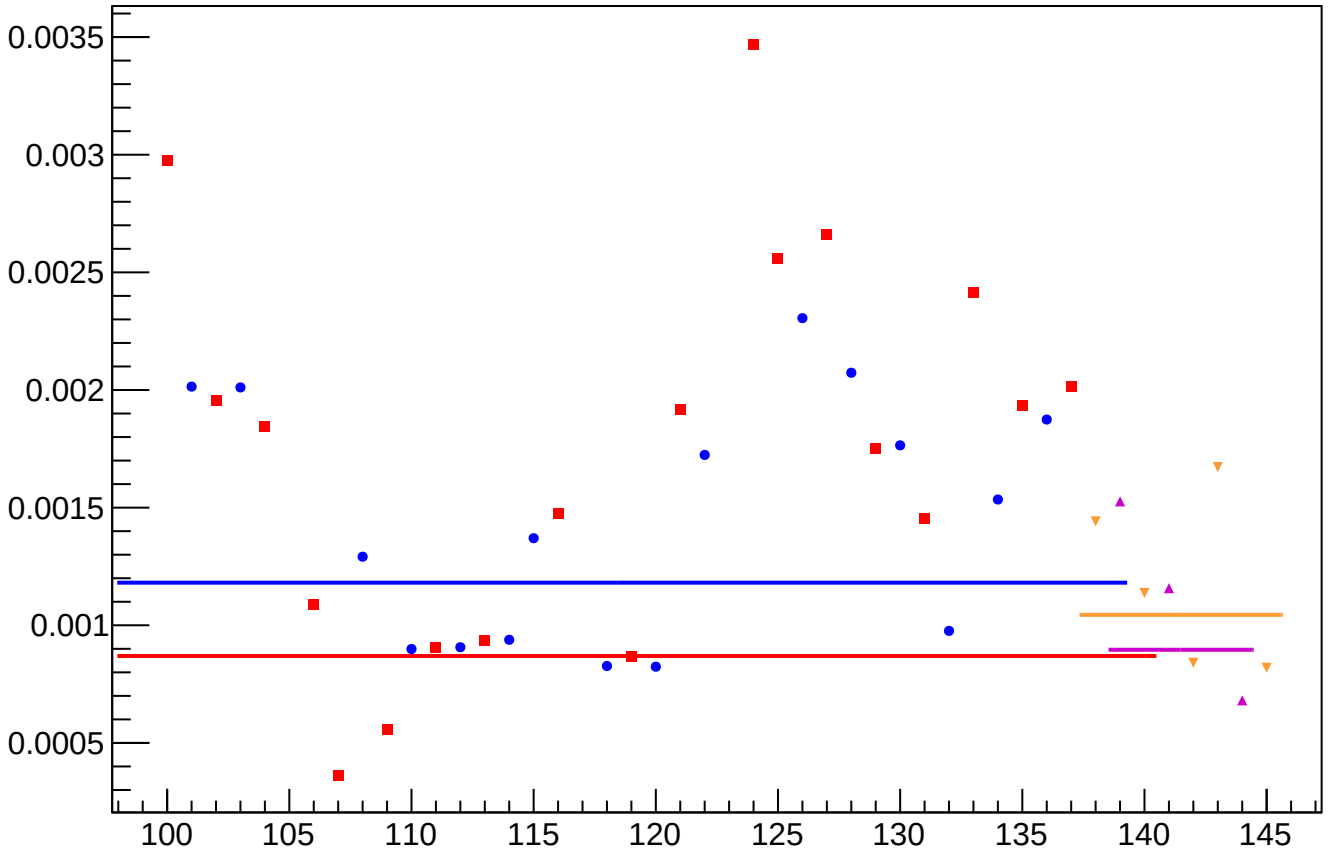
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/20

All: -0.000+/-0.000 χ^2/NDF: 39.3/42

- sign -0.000+/-0.000 χ^2/NDF: 15.4/21



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:528150.0/4

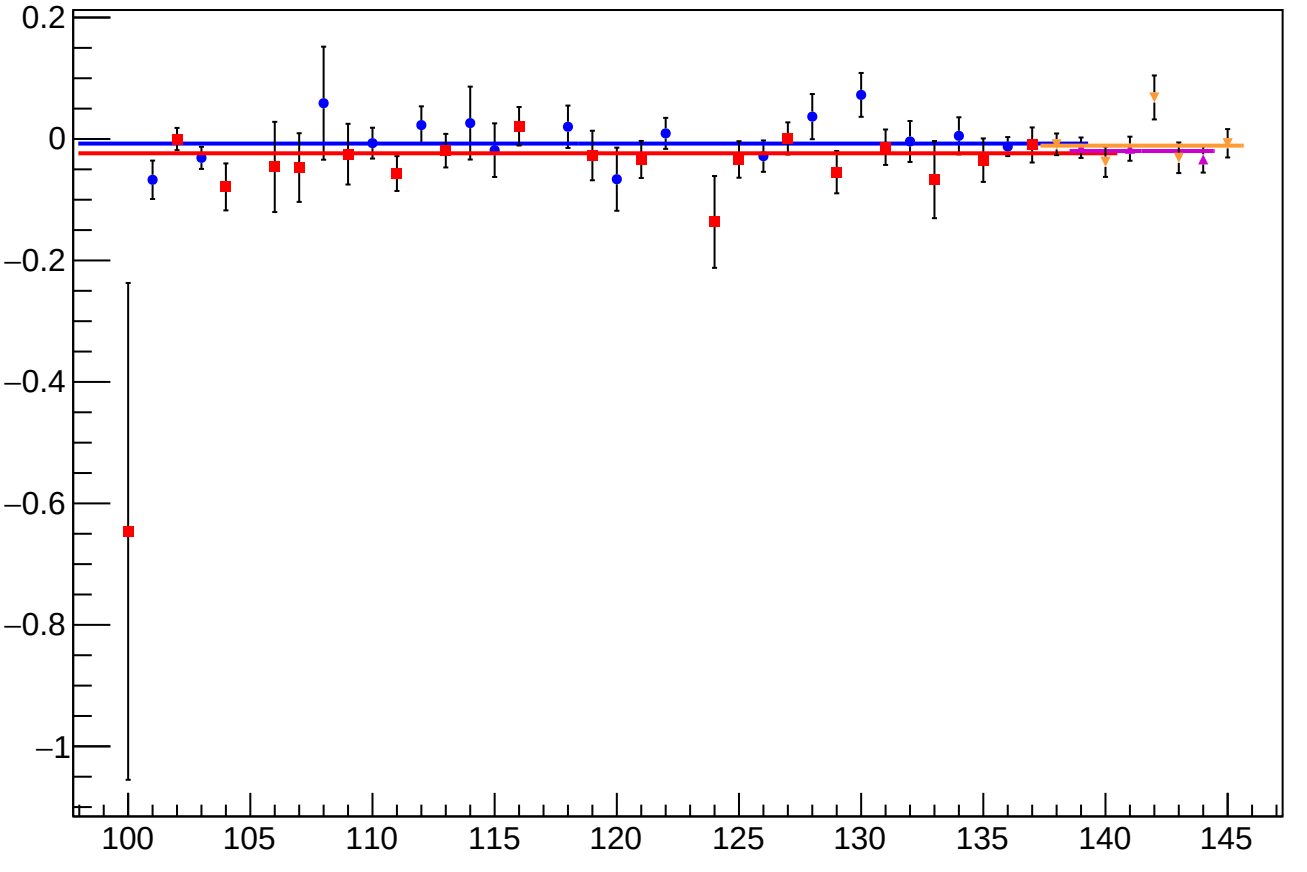
Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:548526.3/2

+ sign 0.001+/-0.000 χ^2/NDF: 2424824.0/20

All: 0.001+/-0.000 χ^2/NDF: 7935714.3/42

- sign 0.001+/-0.000 χ^2/NDF: 4986745.9/21



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.011 χ^2/NDF:6.6/4

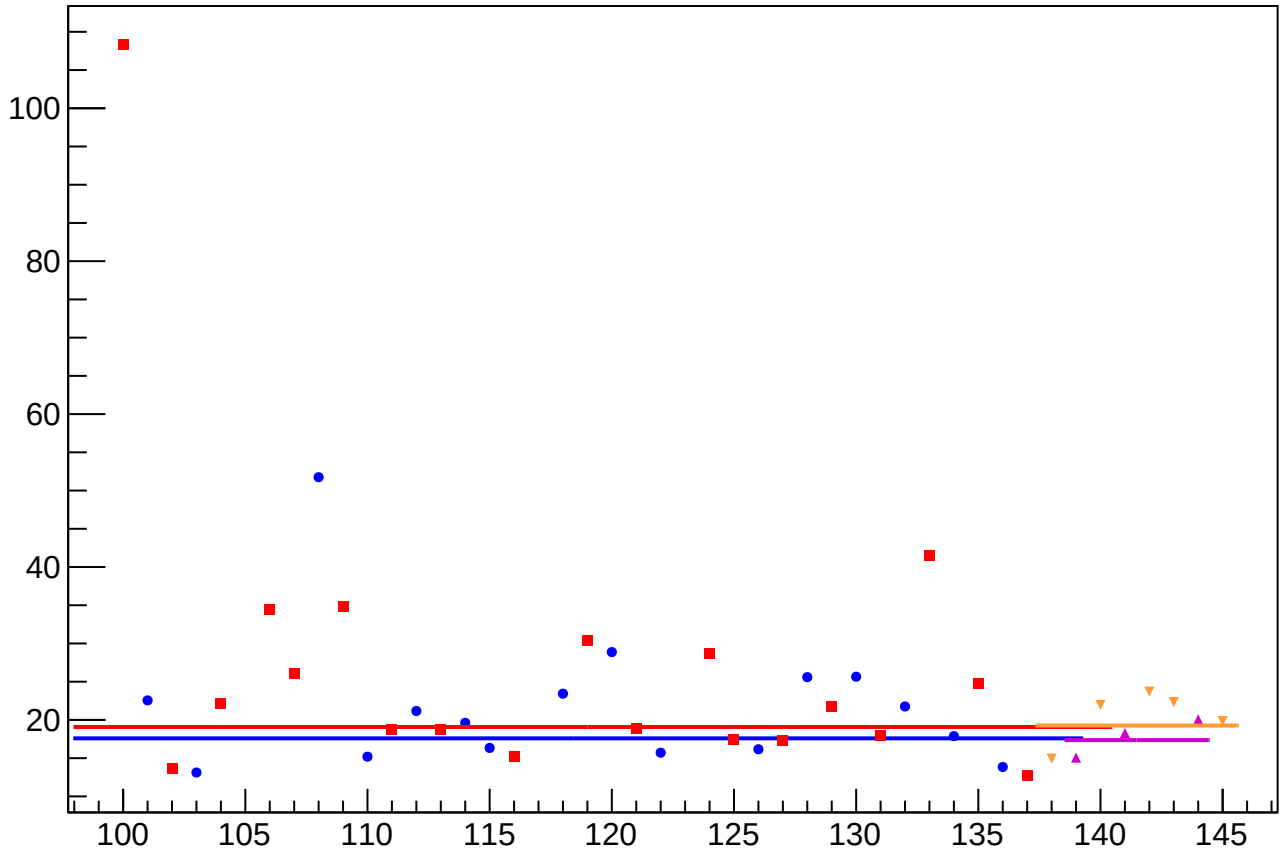
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.020+/-0.011 χ^2/NDF:0.5/2

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/20

All: -0.015+/-0.004 χ^2/NDF: 41.1/42

- sign -0.022+/-0.006 χ^2/NDF: 15.3/21



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 19.267+/-0.007 χ^2/NDF:202275.3/4

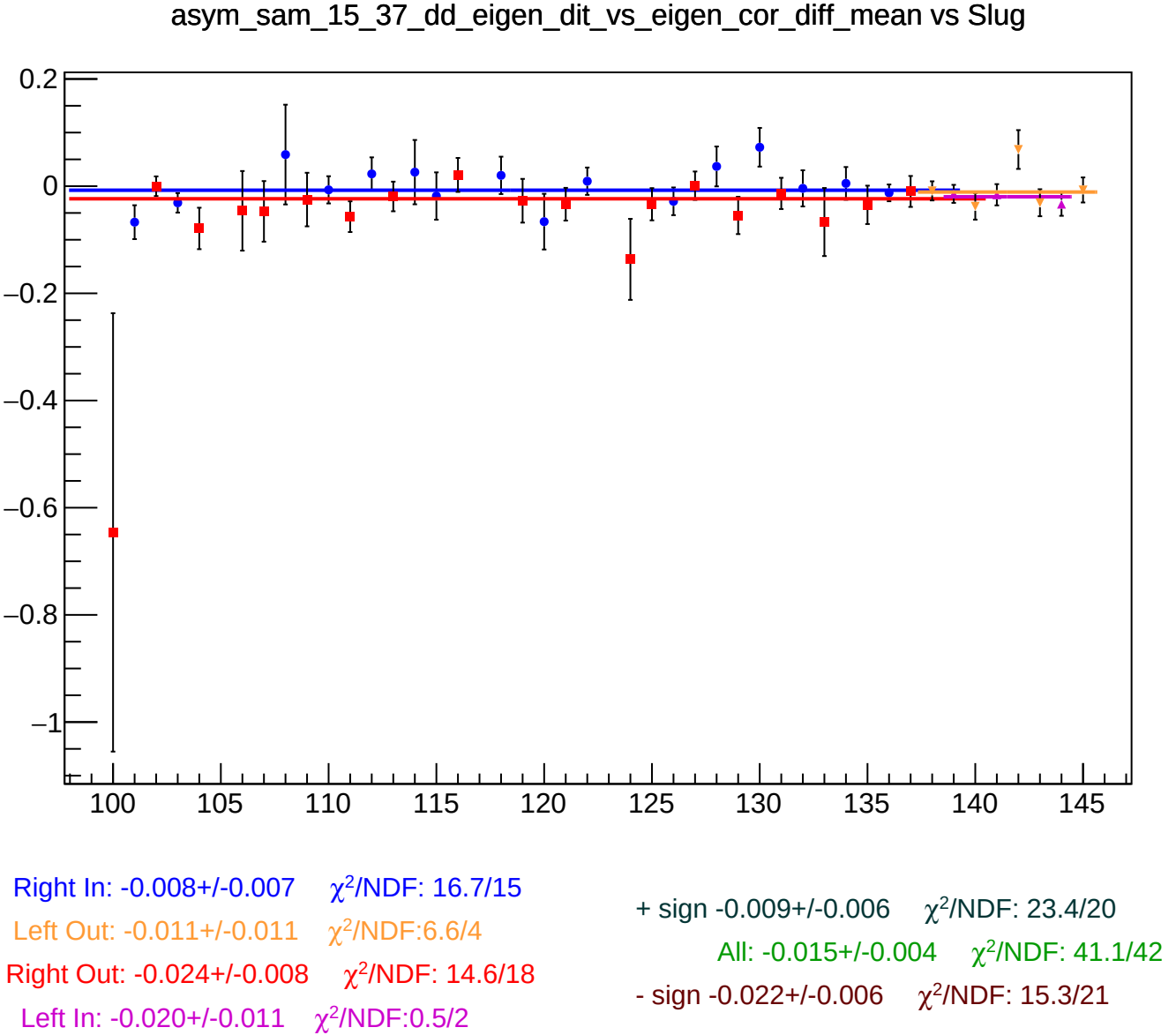
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

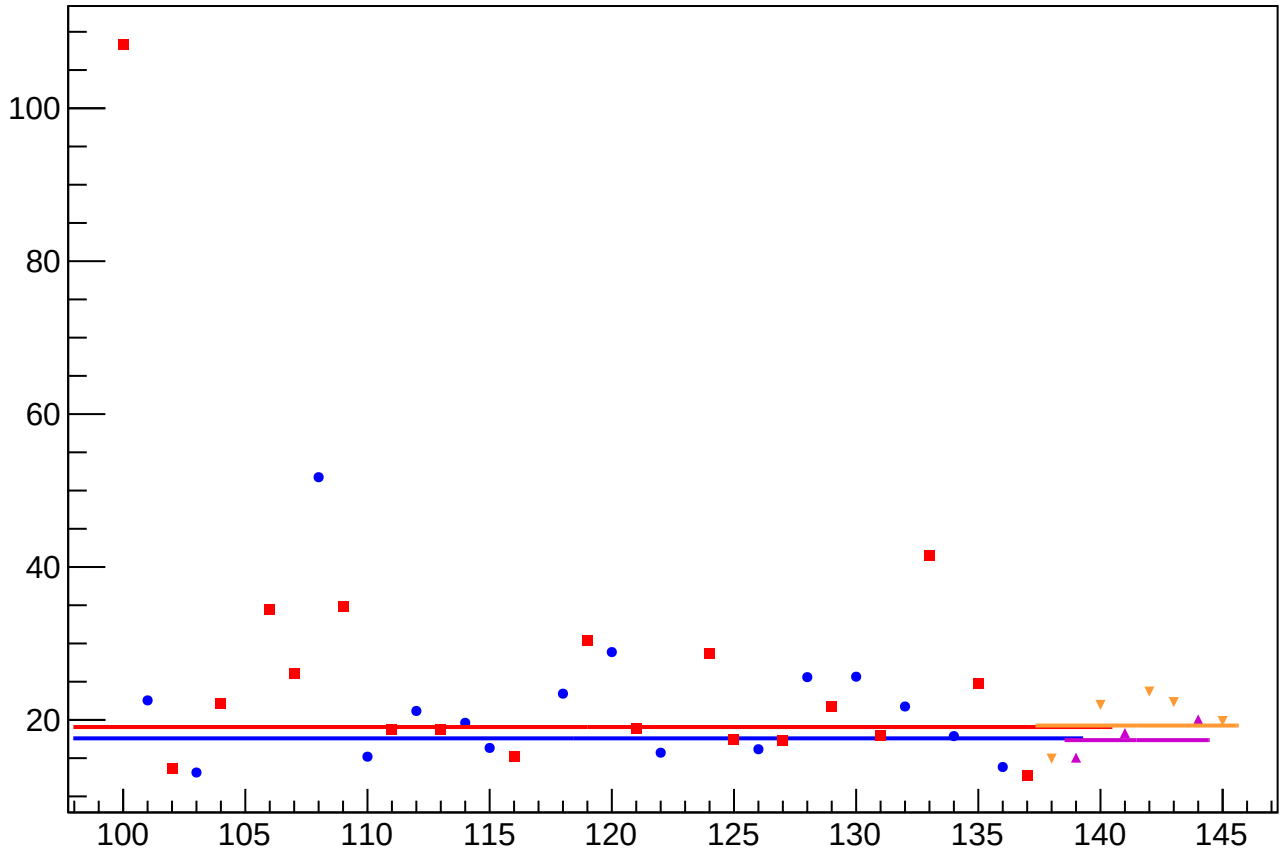
Left In: 17.358+/-0.008 χ^2/NDF:72357.5/2

\+ sign 18.122+/-0.004 χ^2/NDF: 1229827.6/20

All: 18.302+/-0.003 χ^2/NDF: 2586350.2/42

\- sign 18.507+/-0.004 χ^2/NDF: 1352593.7/21


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
105
110
115
120
125
130
135
140
145
Right In: -0.008+/-0.007 χ²/NDF: 16.7/15
Left Out: -0.011+/-0.011 χ²/NDF:6.6/4
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: -0.020+/-0.011 χ²/NDF:0.5/2
+ sign -0.009+/-0.006 χ²/NDF: 23.4/20
All: -0.015+/-0.004 χ²/NDF: 41.1/42
- sign -0.022+/-0.006 χ²/NDF: 15.3/21



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 19.267+/-0.007 χ^2/NDF:202275.3/4

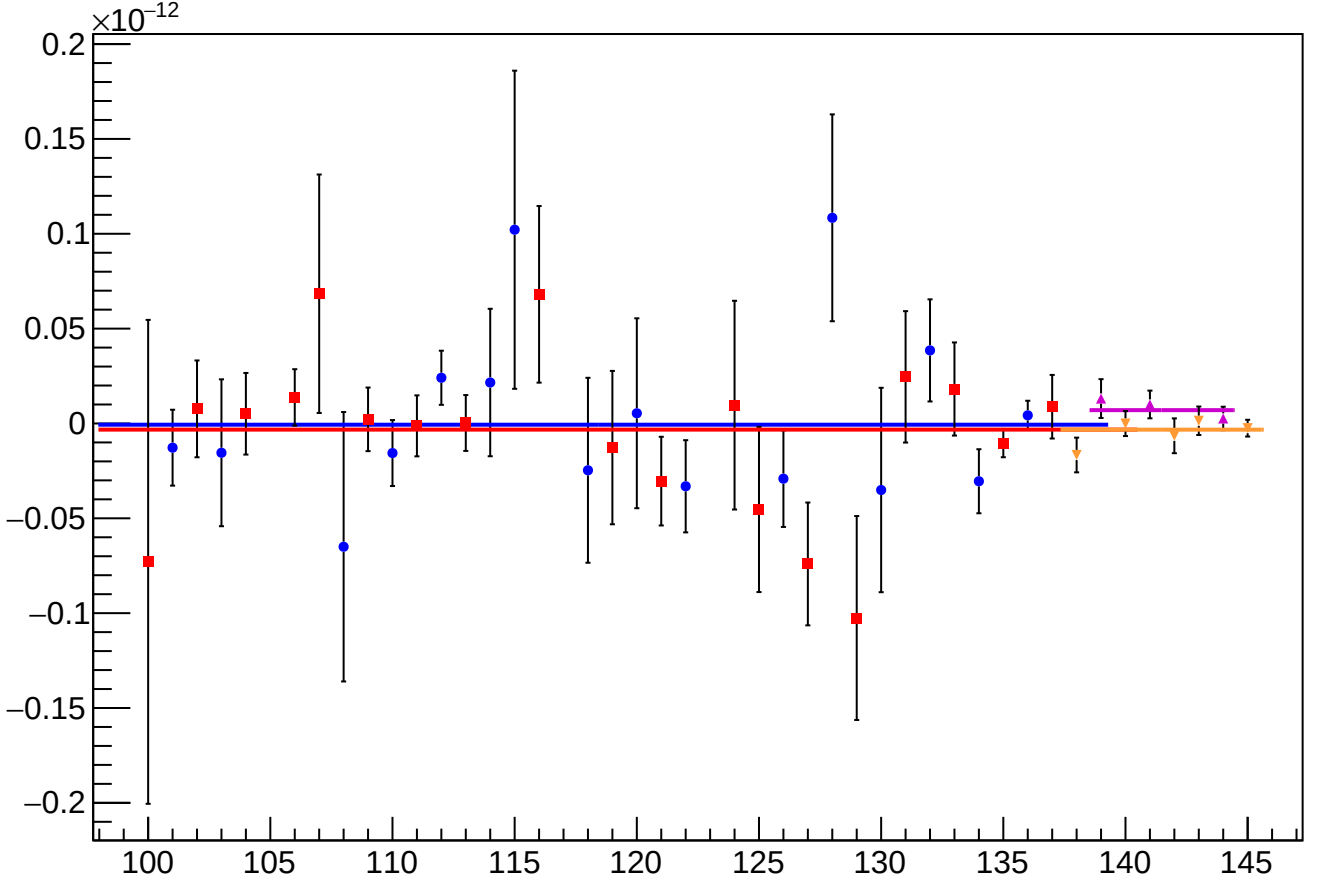
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.358+/-0.008 χ^2/NDF:72357.5/2

+ sign 18.122+/-0.004 χ^2/NDF: 1229827.6/20

All: 18.302+/-0.003 χ^2/NDF: 2586350.2/42

- sign 18.507+/-0.004 χ^2/NDF: 1352593.7/21



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/4

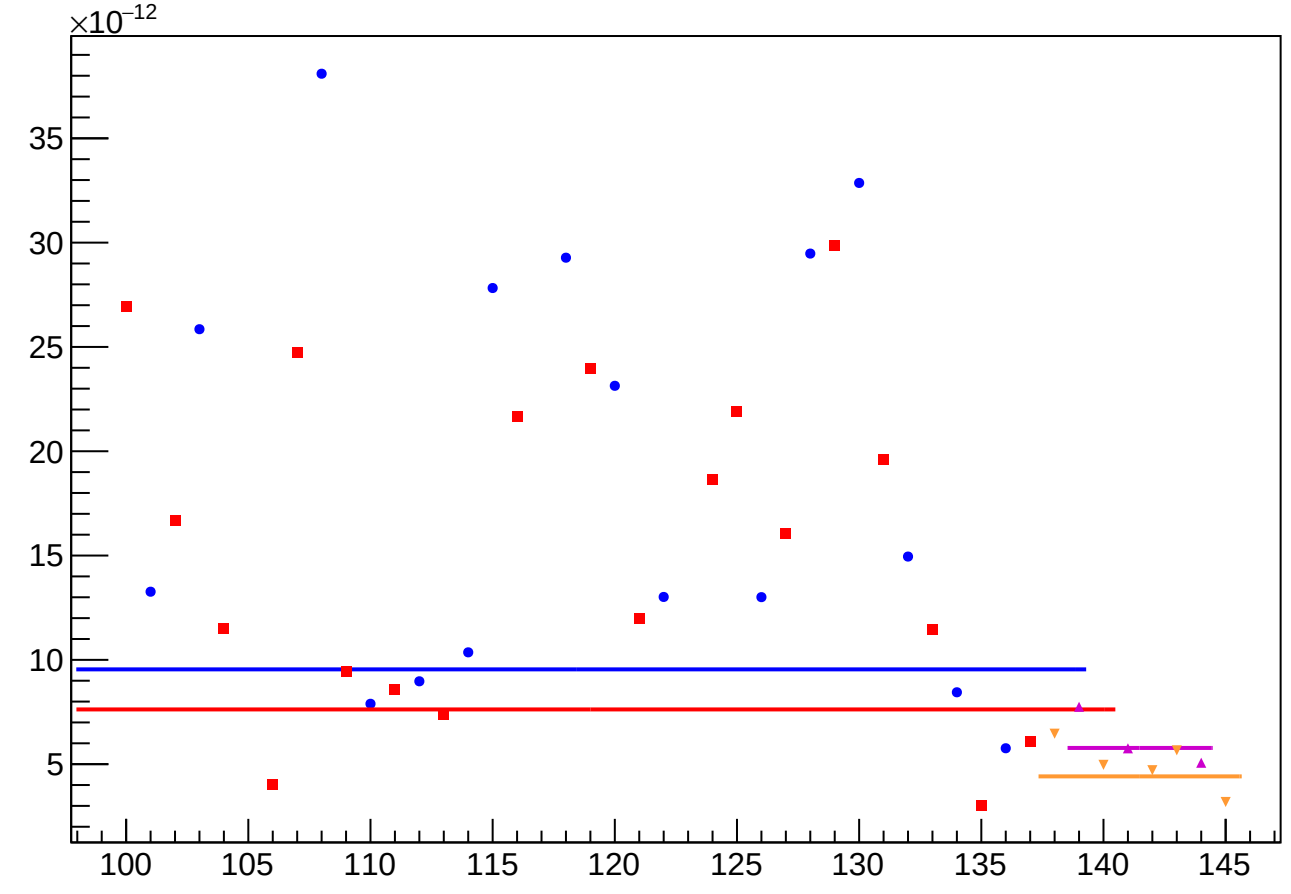
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/20

All: -0.000+/-0.000 χ^2/NDF: 47.7/42

- sign 0.000+/-0.000 χ^2/NDF: 23.0/21



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

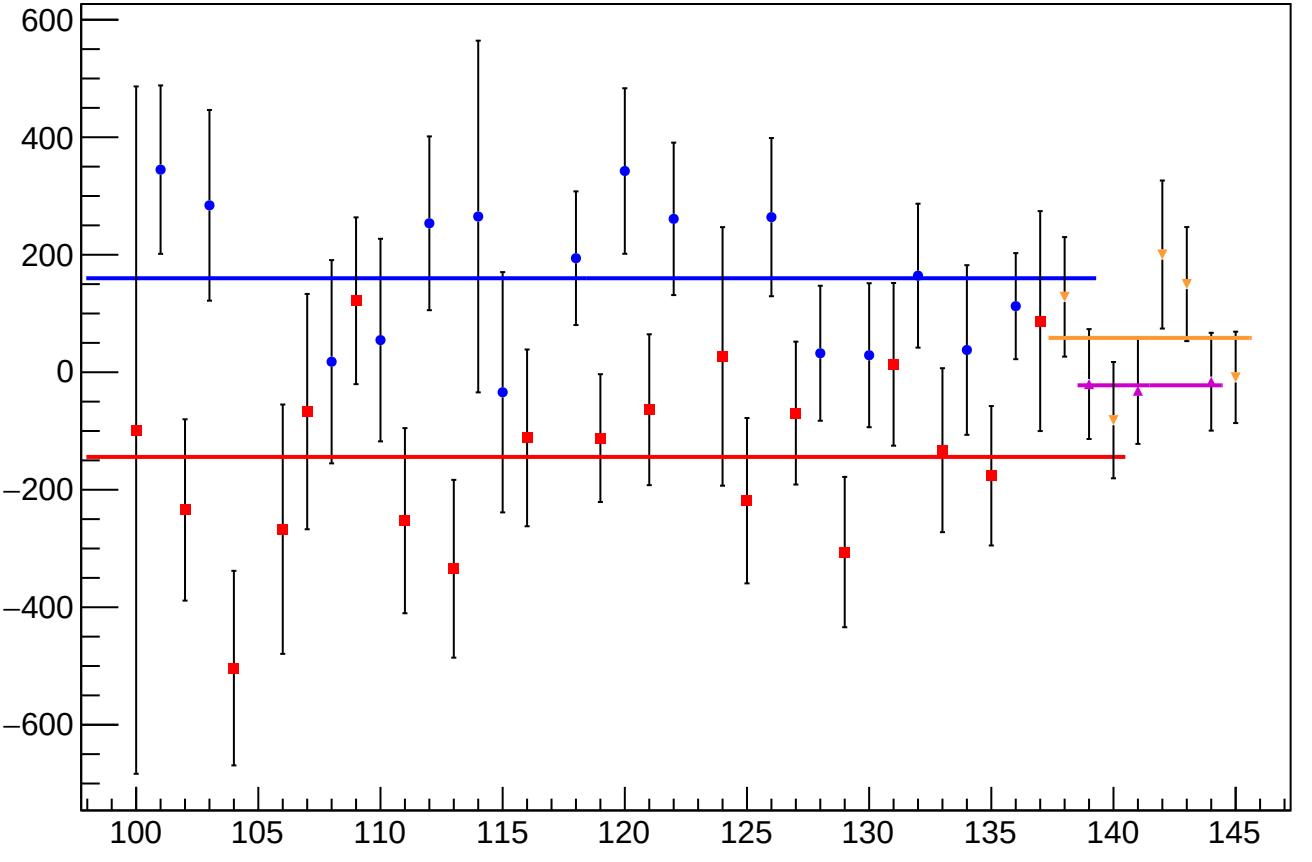
Left In: 0.000+/-0.000 χ^2/NDF:100691.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 4492094.4/20

All: 0.000+/-0.000 χ^2/NDF: 7969092.7/42

- sign 0.000+/-0.000 χ^2/NDF: 3363837.9/21

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

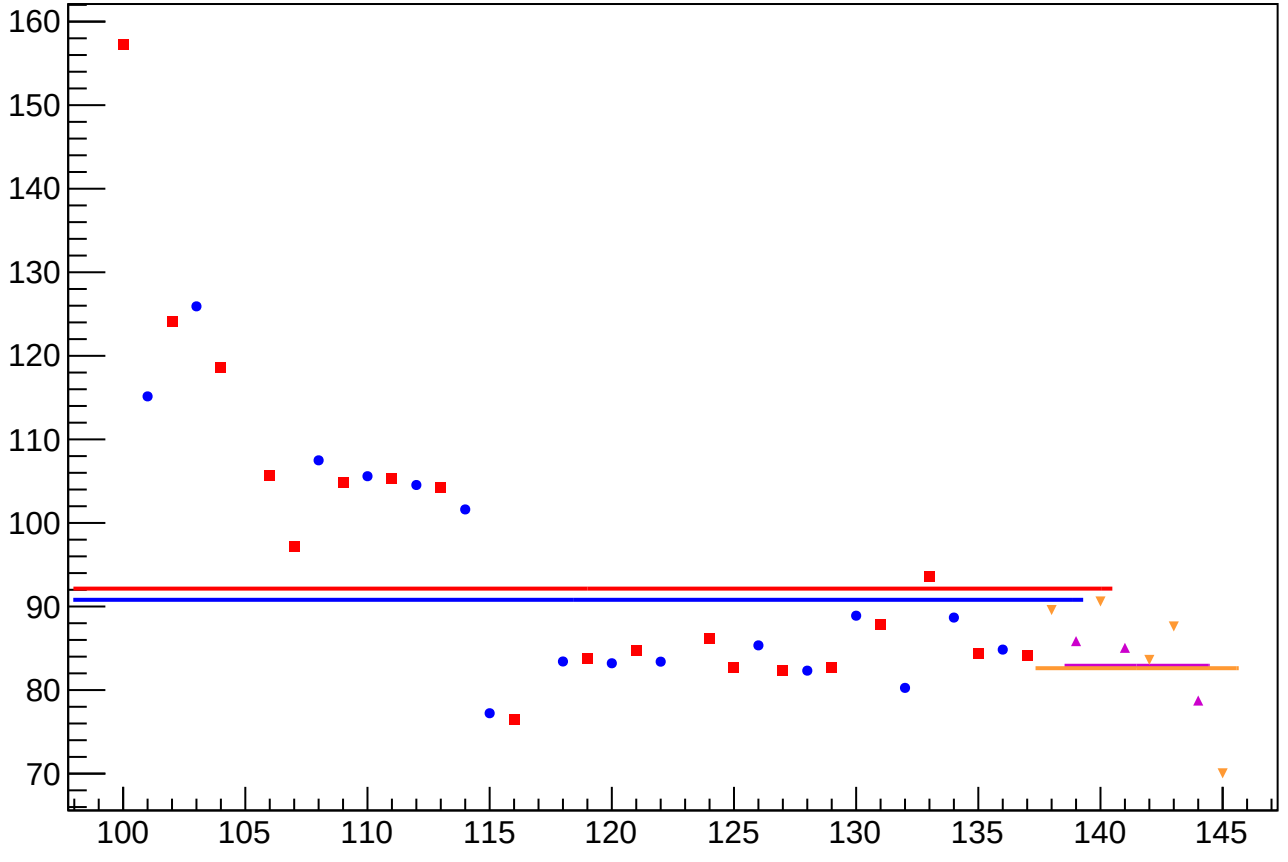
Left In: -22.230+/-51.250 χ^2/NDF:0.0/2

+ sign 121.062+/-26.825 χ^2/NDF: 19.8/20

All: 13.966+/-19.519 χ^2/NDF: 75.0/42

- sign -106.542+/-28.455 χ^2/NDF: 21.3/21

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

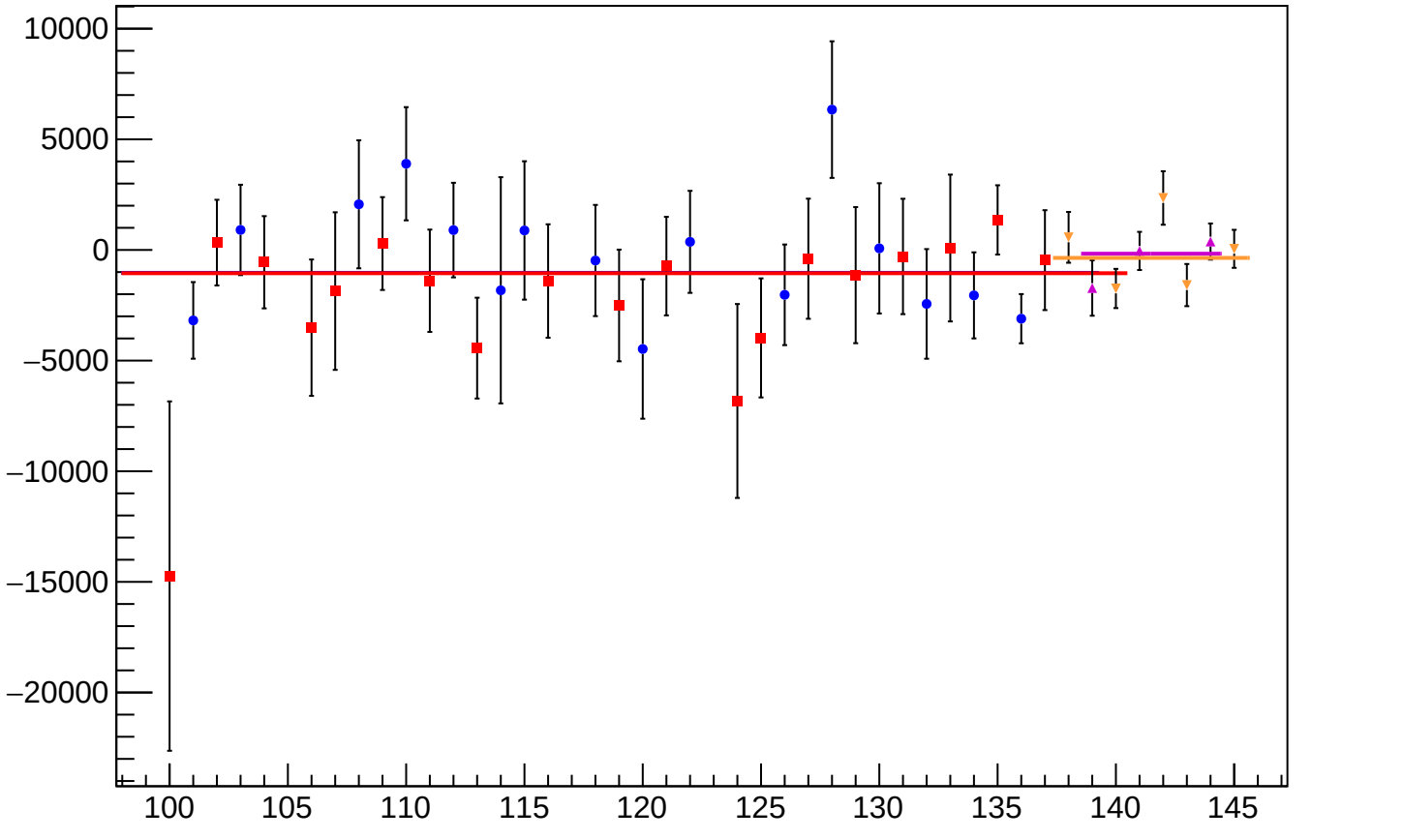
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 82.908+/-0.036 χ^2/NDF:8116.6/2

+ sign 87.661+/-0.019 χ^2/NDF: 396946.9/20

All: 88.430+/-0.014 χ^2/NDF: 755490.5/42

- sign 89.295+/-0.020 χ^2/NDF: 355053.3/21



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

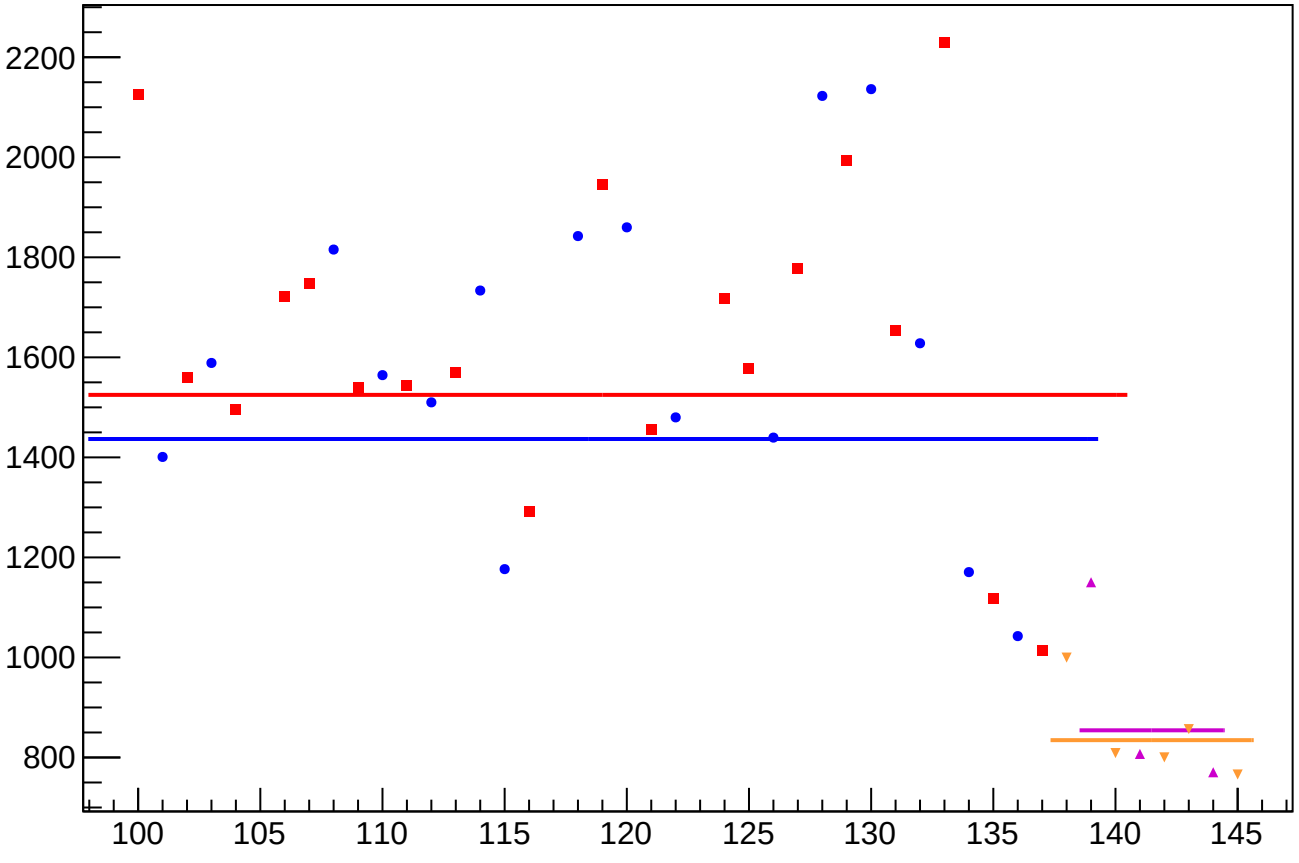
Left In: -169.746+/-535.847 χ^2/NDF:2.0/2

\+ sign -623.085+/-343.522 χ^2/NDF: 31.1/20

All: -606.120+/-257.803 χ^2/NDF: 47.3/42

\- sign -584.246+/-390.074 χ^2/NDF: 16.2/21

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

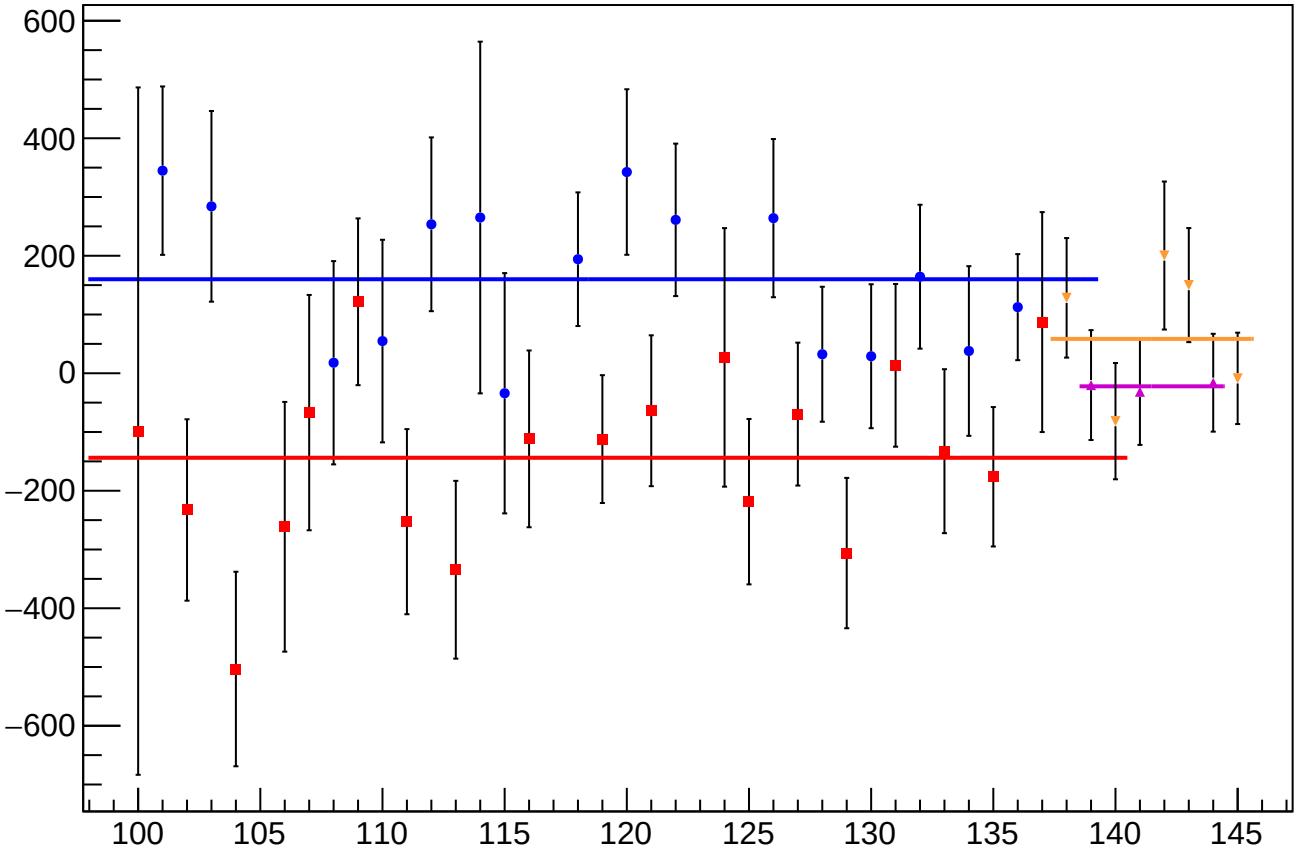
Left In: 854.327+/-0.379 χ^2/NDF:139067.2/2

+ sign 1069.354+/-0.243 χ^2/NDF: 2195472.8/20

All: 1113.130+/-0.182 χ^2/NDF: 4386047.3/42

- sign 1169.574+/-0.276 χ^2/NDF: 2116219.2/21

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

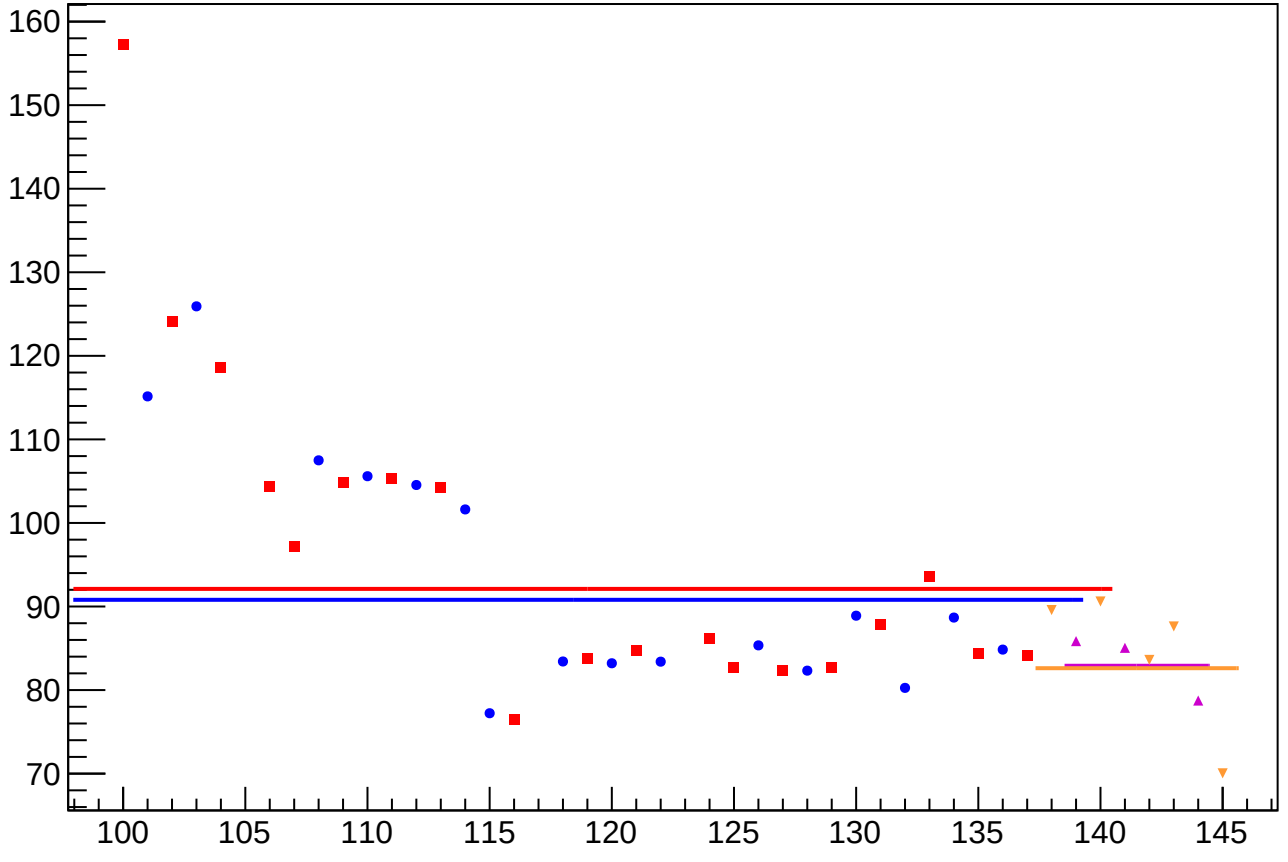
Left In: -22.244+/-51.250 χ^2/NDF:0.0/2

+ sign 121.061+/-26.825 χ^2/NDF: 19.8/20

All: 14.053+/-19.519 χ^2/NDF: 74.9/42

- sign -106.367+/-28.457 χ^2/NDF: 21.3/21

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

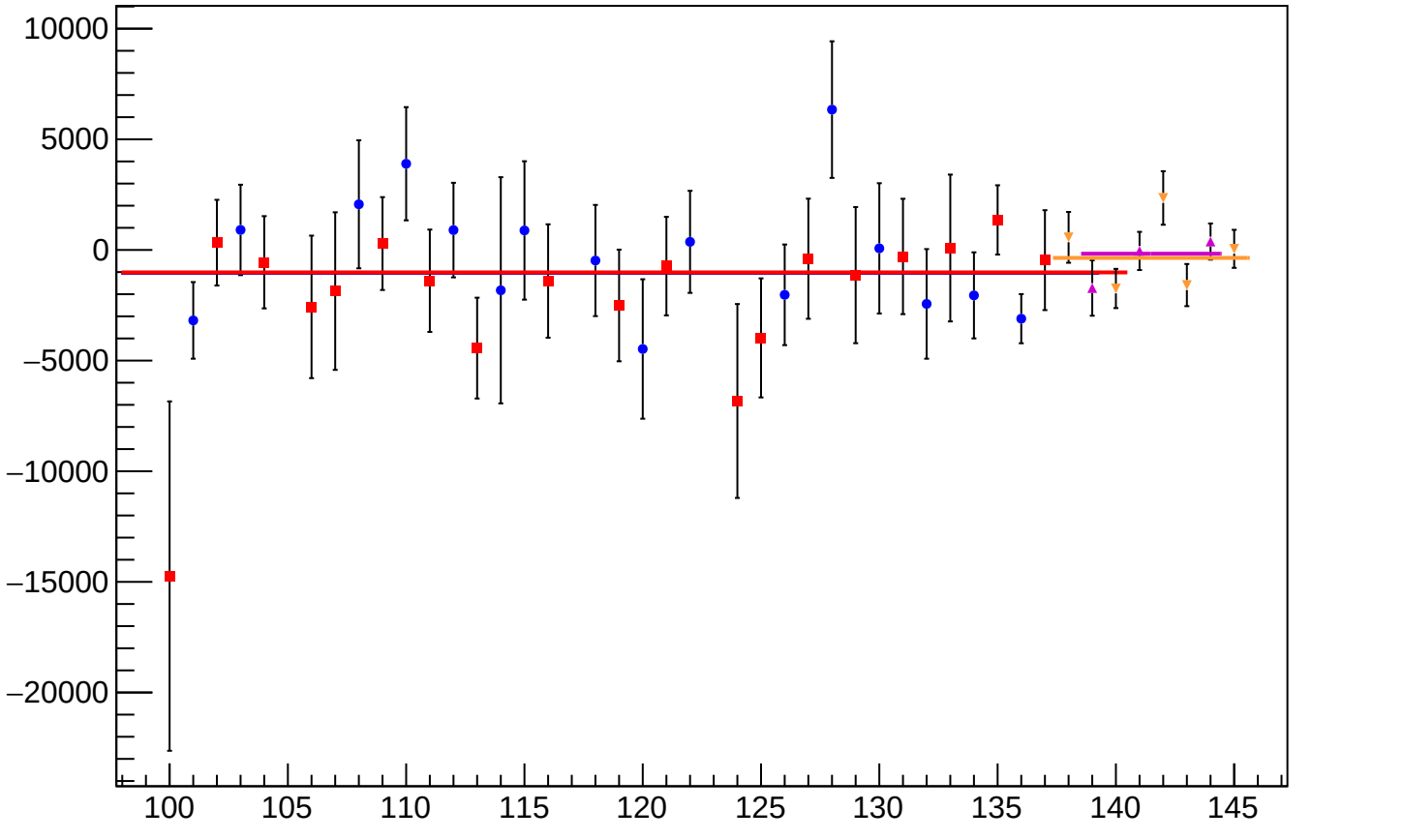
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 82.908+/-0.036 χ^2/NDF:8116.6/2

+ sign 87.661+/-0.019 χ^2/NDF: 396948.8/20

All: 88.419+/-0.014 χ^2/NDF: 753806.8/42

- sign 89.272+/-0.020 χ^2/NDF: 353466.1/21



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -359.905+/-439.768 χ^2/NDF:10.0/4

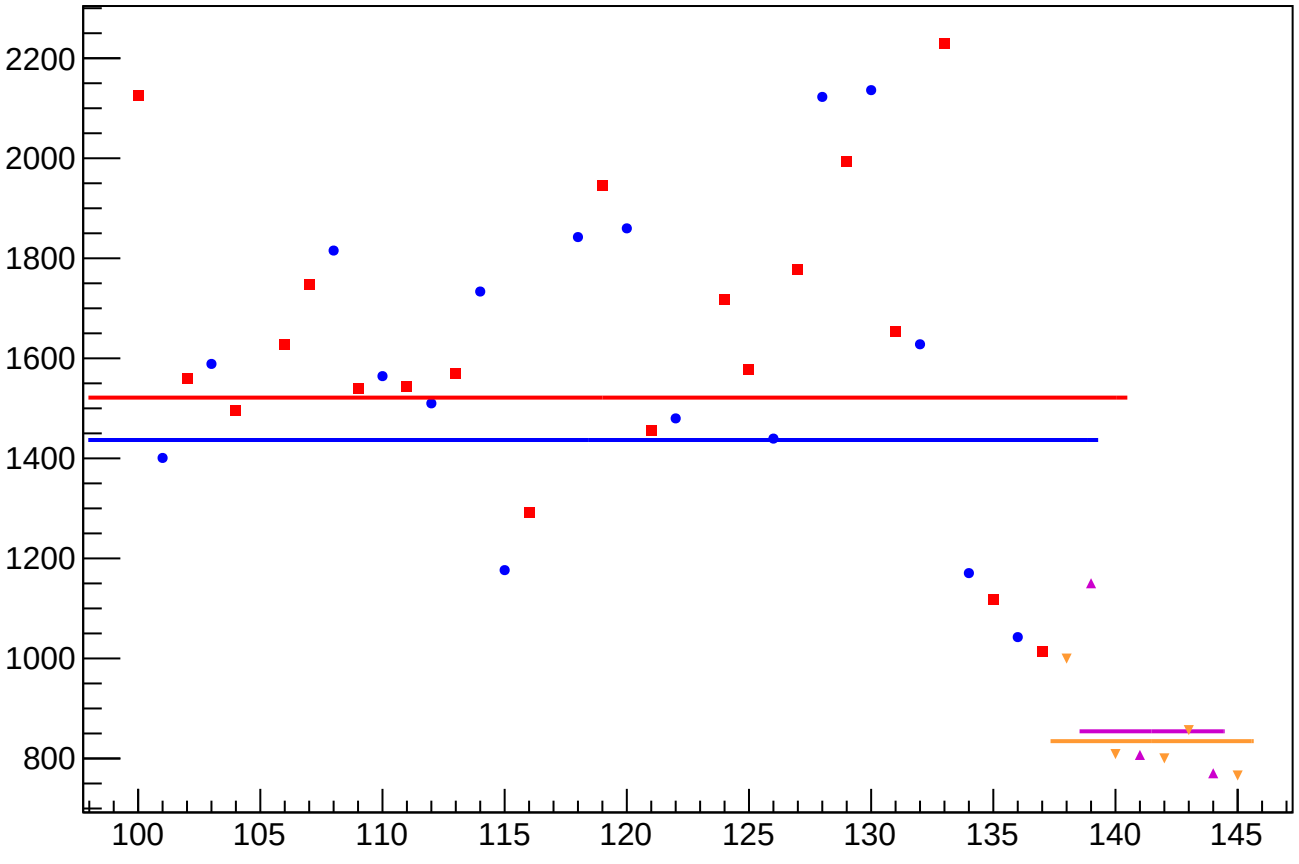
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -169.767+/-535.847 χ^2/NDF:2.0/2

+ sign -623.069+/-343.523 χ^2/NDF: 31.2/20

All: -598.446+/-257.880 χ^2/NDF: 46.8/42

- sign -566.654+/-390.344 χ^2/NDF: 15.6/21



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

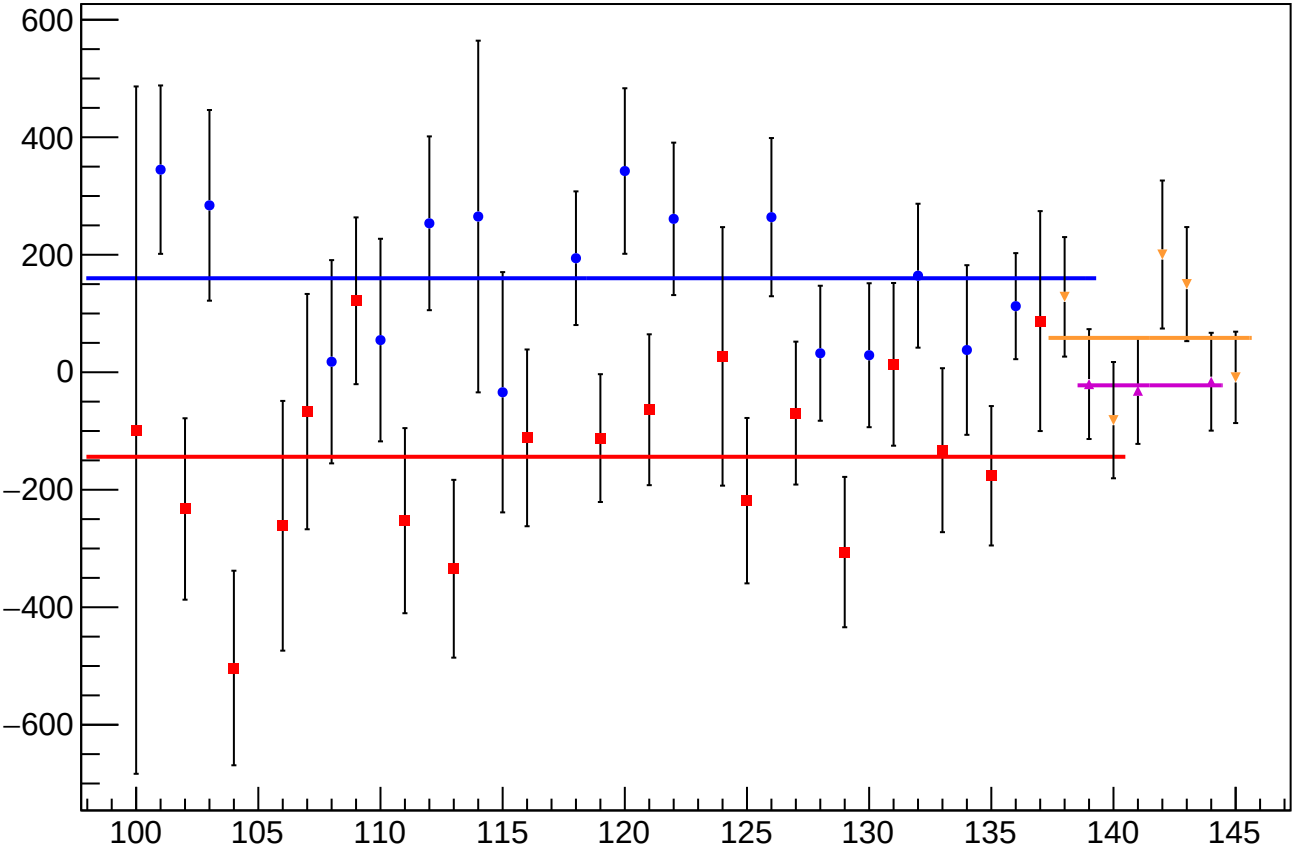
Left In: 854.327+/-0.379 χ^2/NDF:139067.1/2

+ sign 1069.354+/-0.243 χ^2/NDF: 2195496.1/20

All: 1112.173+/-0.182 χ^2/NDF: 4359283.3/42

- sign 1167.459+/-0.276 χ^2/NDF: 2092593.2/21

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

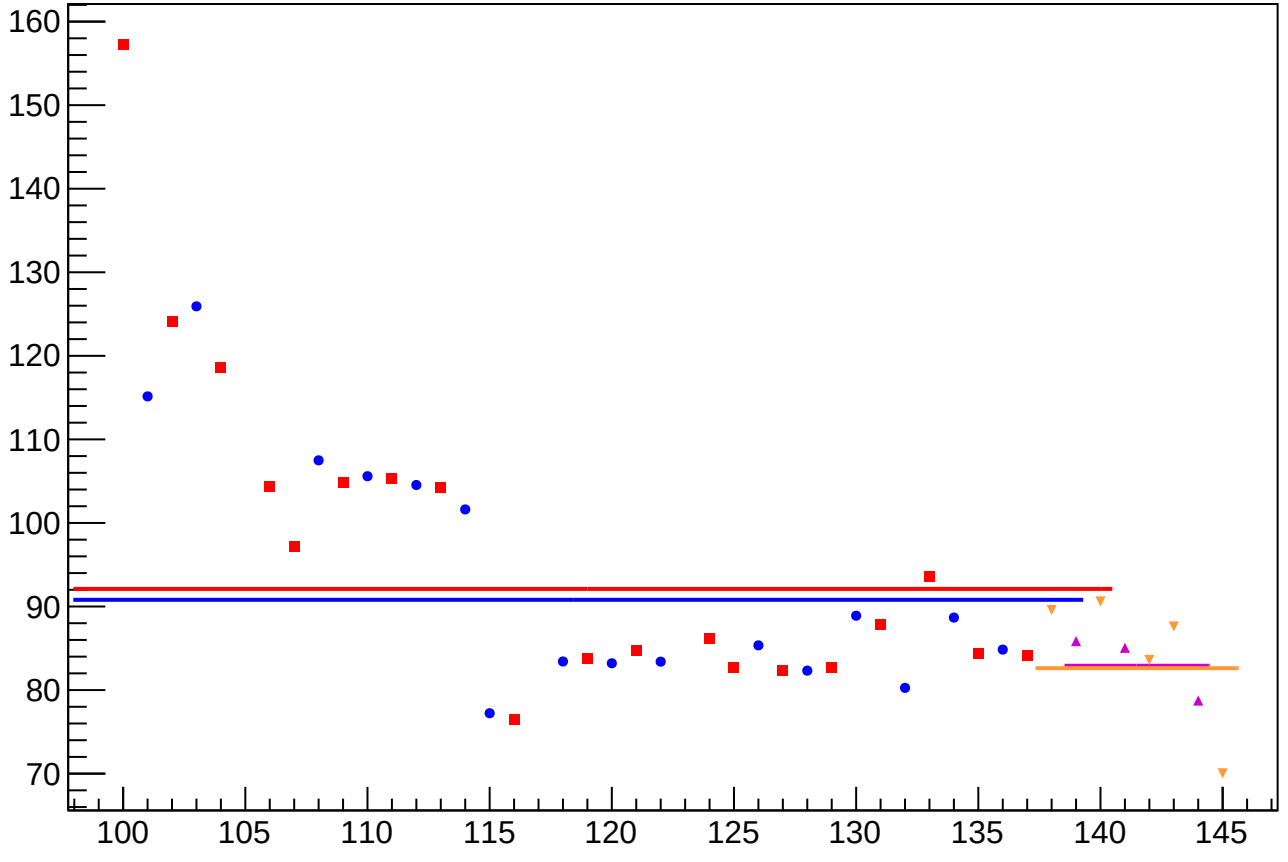
Left In: -22.244+/-51.250 χ^2/NDF:0.0/2

+ sign 121.061+/-26.825 χ^2/NDF: 19.8/20

All: 14.053+/-19.519 χ^2/NDF: 74.9/42

- sign -106.367+/-28.457 χ^2/NDF: 21.3/21

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

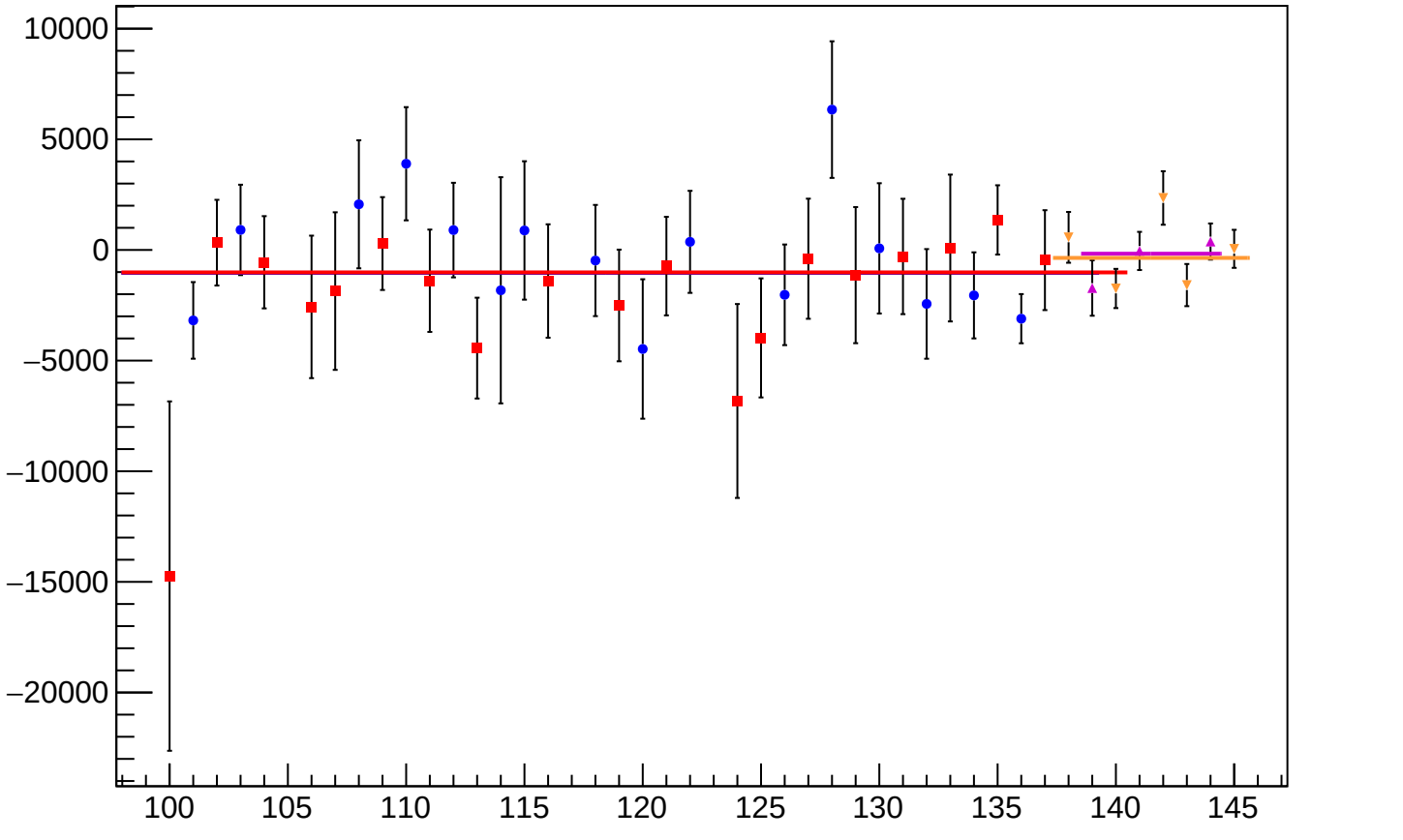
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 82.908+/-0.036 χ^2/NDF:8116.6/2

+ sign 87.661+/-0.019 χ^2/NDF: 396948.8/20

All: 88.419+/-0.014 χ^2/NDF: 753806.8/42

- sign 89.272+/-0.020 χ^2/NDF: 353466.1/21



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -359.905+/-439.768 χ^2/NDF:10.0/4

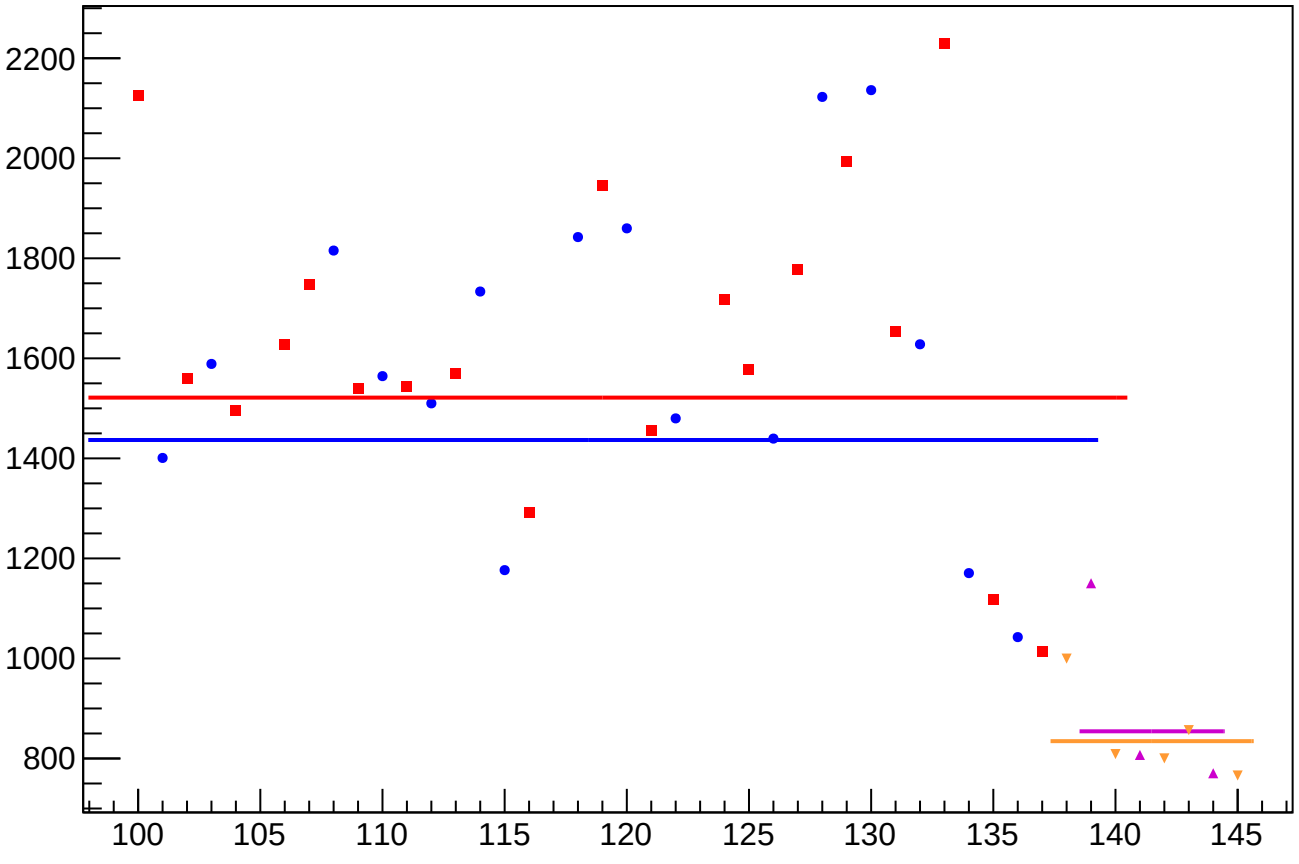
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -169.767+/-535.847 χ^2/NDF:2.0/2

+ sign -623.069+/-343.523 χ^2/NDF: 31.2/20

All: -598.446+/-257.880 χ^2/NDF: 46.8/42

- sign -566.654+/-390.344 χ^2/NDF: 15.6/21



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

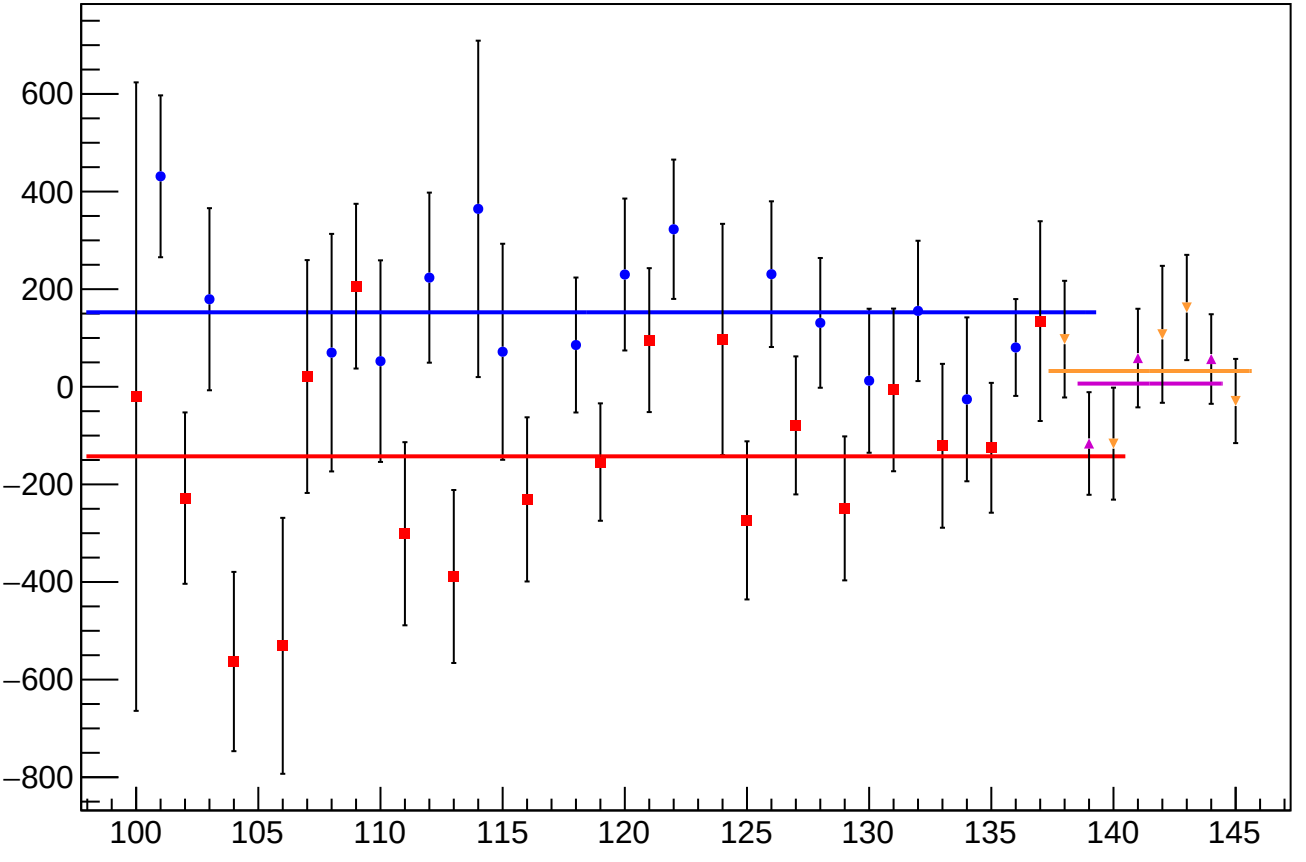
Left In: 854.327+/-0.379 χ^2/NDF:139067.1/2

+ sign 1069.354+/-0.243 χ^2/NDF: 2195496.1/20

All: 1112.173+/-0.182 χ^2/NDF: 4359283.3/42

- sign 1167.459+/-0.276 χ^2/NDF: 2092593.2/21

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

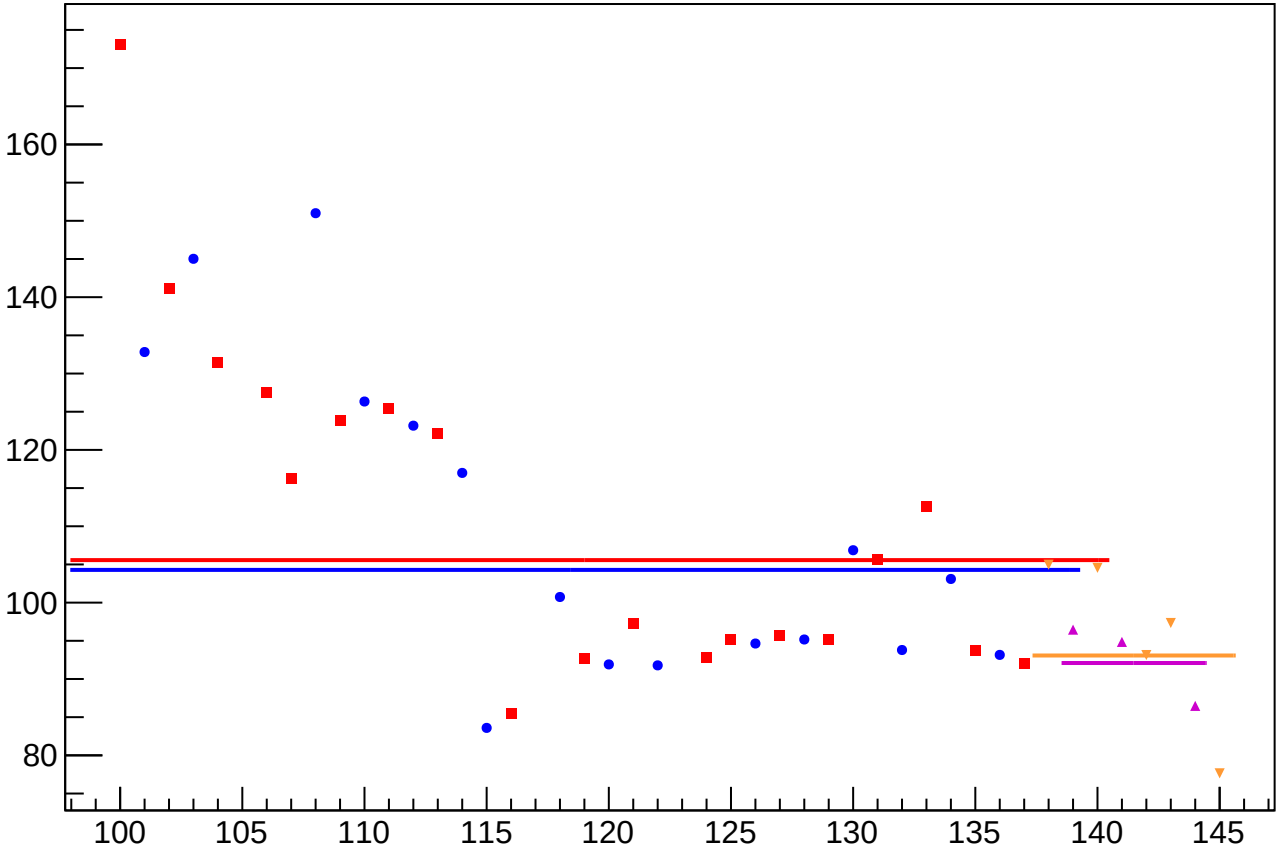
Left In: 6.533+/-57.054 χ^2/NDF:1.9/2

+ sign 105.284+/-30.718 χ^2/NDF: 16.5/20

All: 10.687+/-22.288 χ^2/NDF: 66.0/42

- sign -94.473+/-32.387 χ^2/NDF: 29.5/21

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

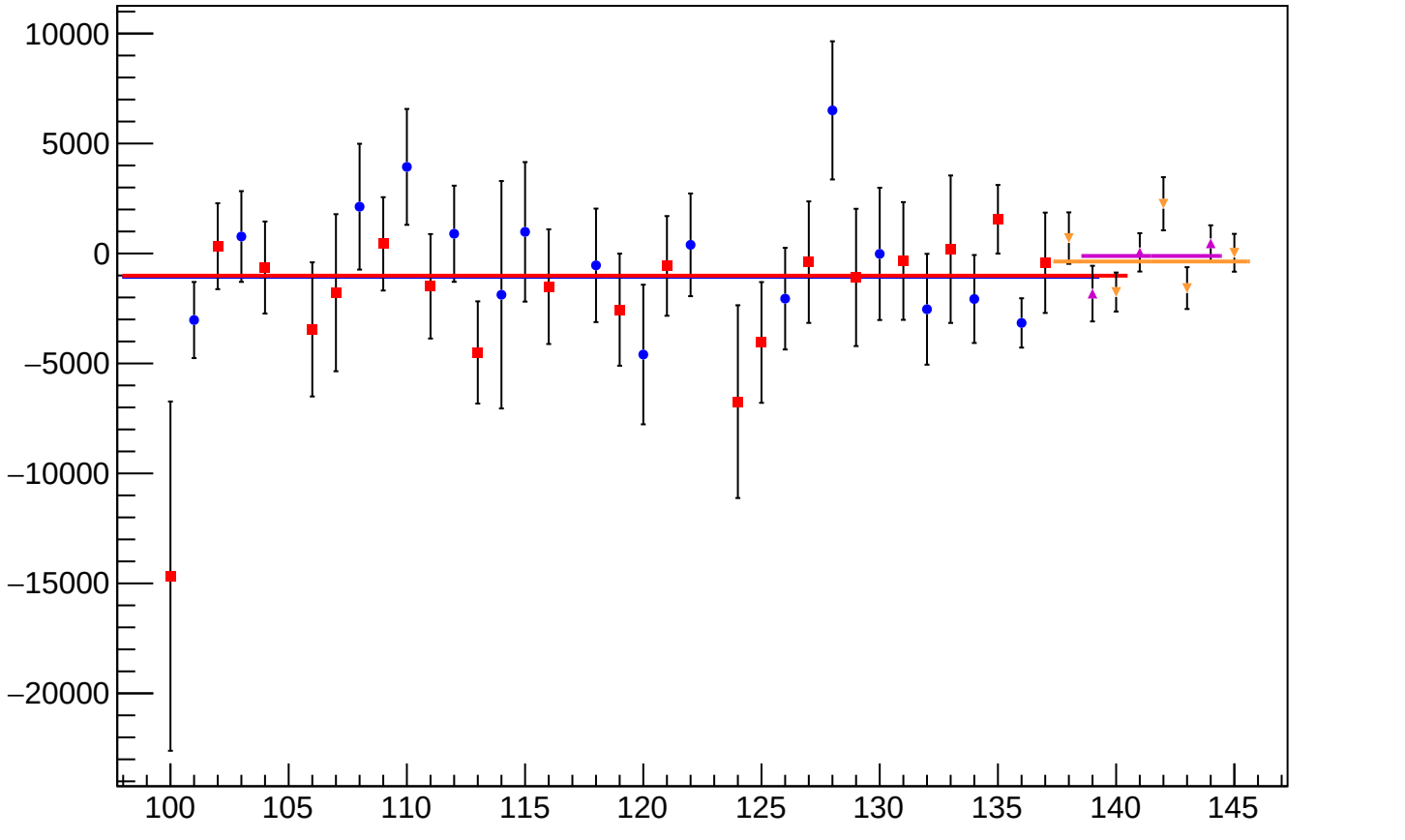
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 92.093+/-0.040 χ^2/NDF:12435.8/2

+ sign 99.874+/-0.022 χ^2/NDF: 548823.1/20

All: 100.514+/-0.016 χ^2/NDF: 983313.9/42

- sign 101.226+/-0.023 χ^2/NDF: 432656.8/21



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

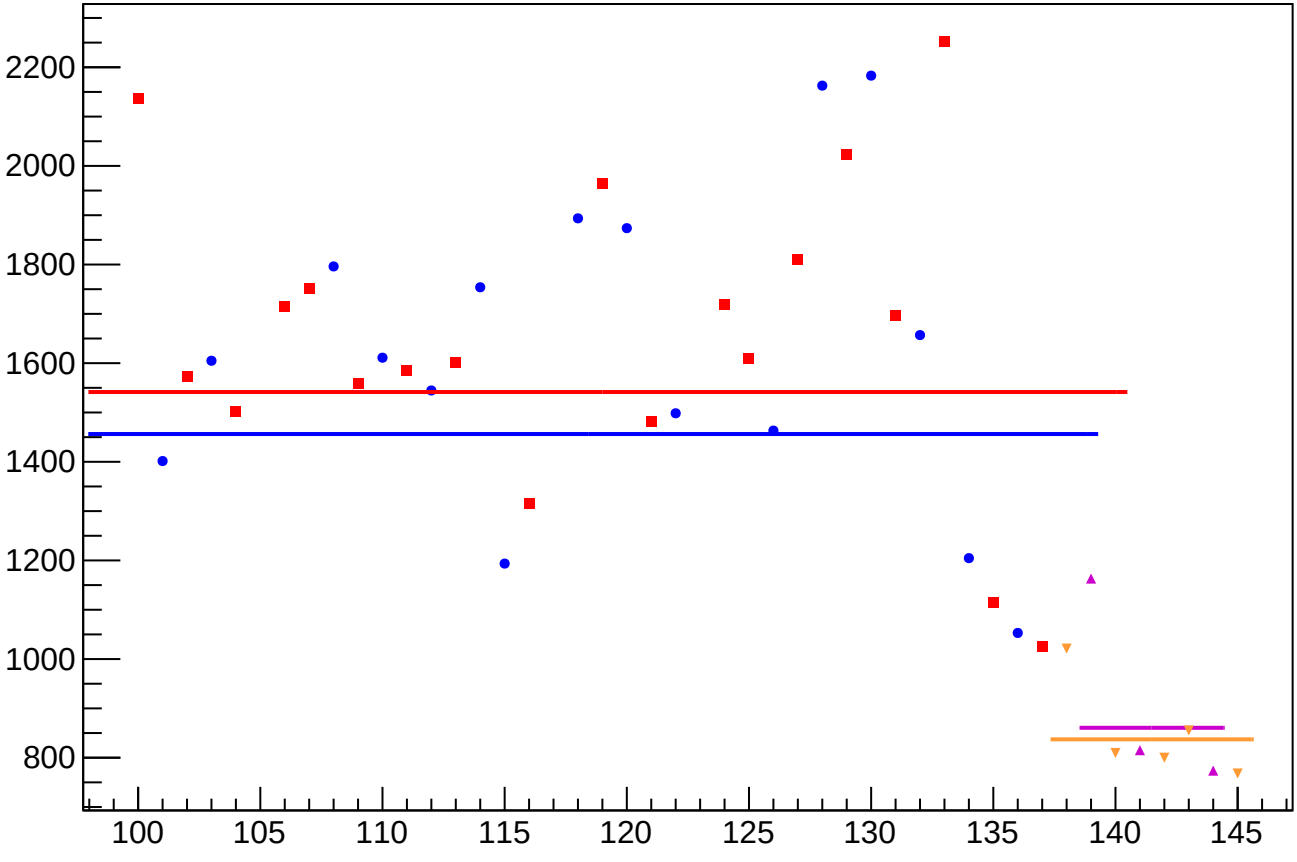
Left In: -112.858+/-539.750 χ^2/NDF:2.4/2

+ sign -631.439+/-345.827 χ^2/NDF: 30.8/20

All: -588.534+/-259.784 χ^2/NDF: 47.8/42

- sign -532.968+/-393.565 χ^2/NDF: 16.9/21

asym_sam_24_68_dd_dit_correction_rms vs Slug



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

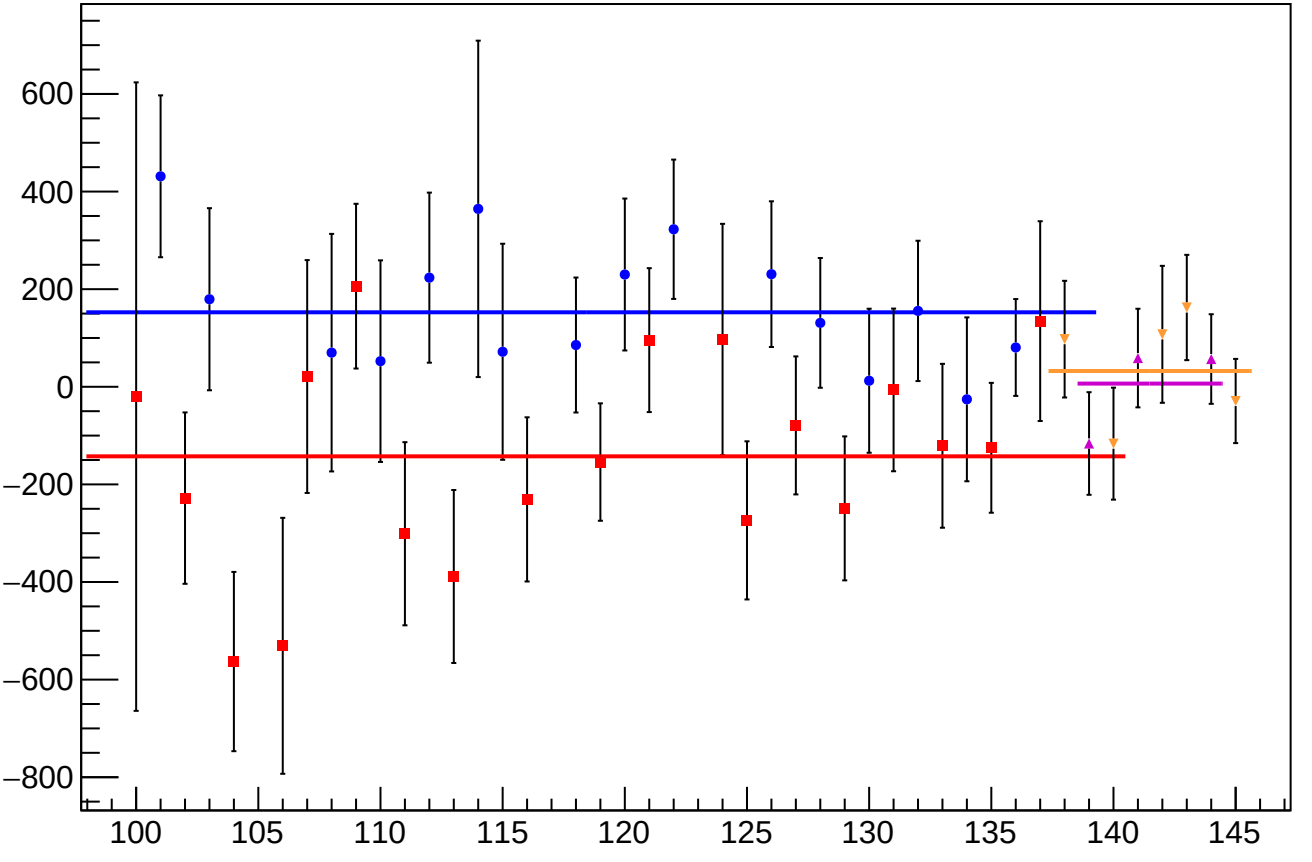
Left In: 860.629+/-0.382 χ^2/NDF:142346.9/2

+ sign 1075.309+/-0.245 χ^2/NDF: 2268772.5/20

All: 1120.709+/-0.184 χ^2/NDF: 4500122.0/42

- sign 1179.508+/-0.278 χ^2/NDF: 2152239.9/21

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

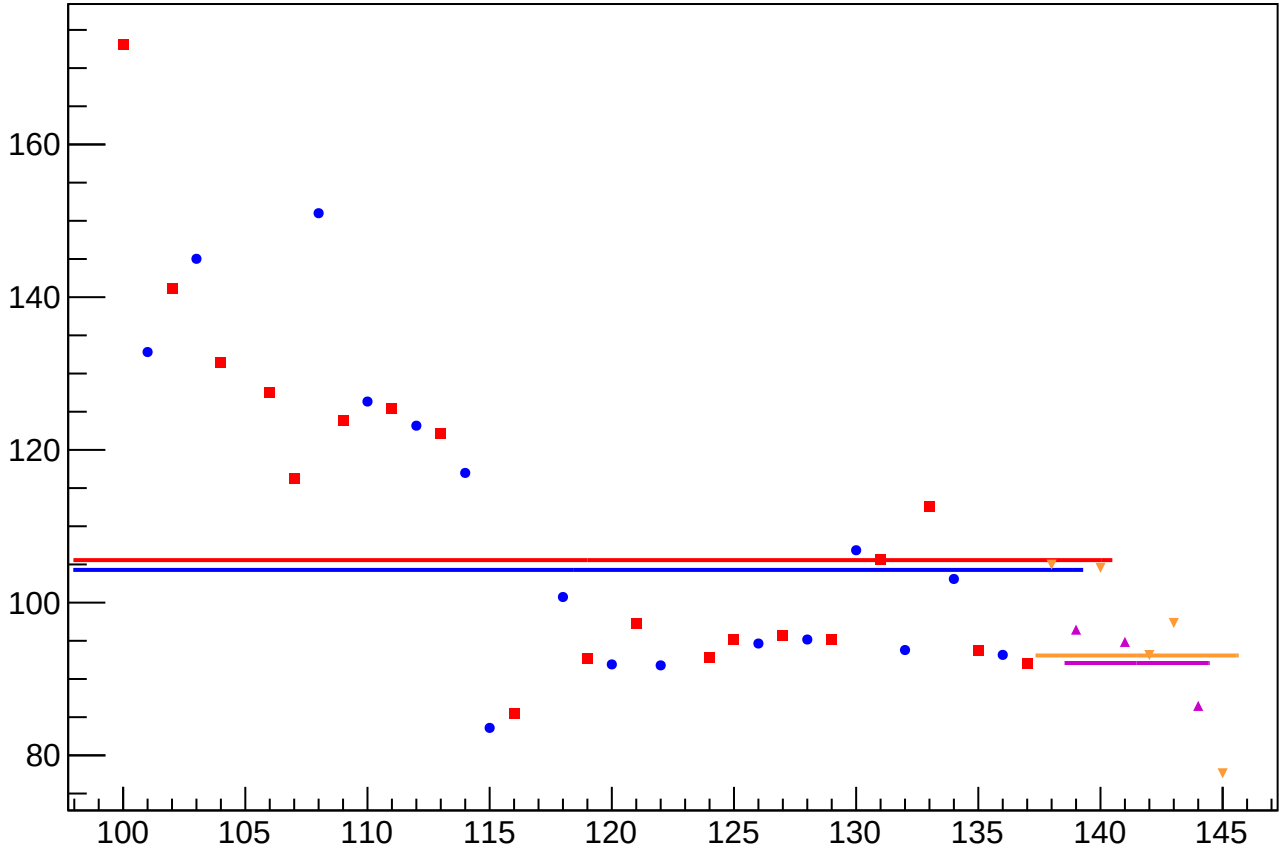
Left In: 6.532+/-57.054 χ^2/NDF:1.9/2

+ sign 105.285+/-30.718 χ^2/NDF: 16.5/20

All: 10.687+/-22.288 χ^2/NDF: 66.0/42

- sign -94.472+/-32.387 χ^2/NDF: 29.5/21

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

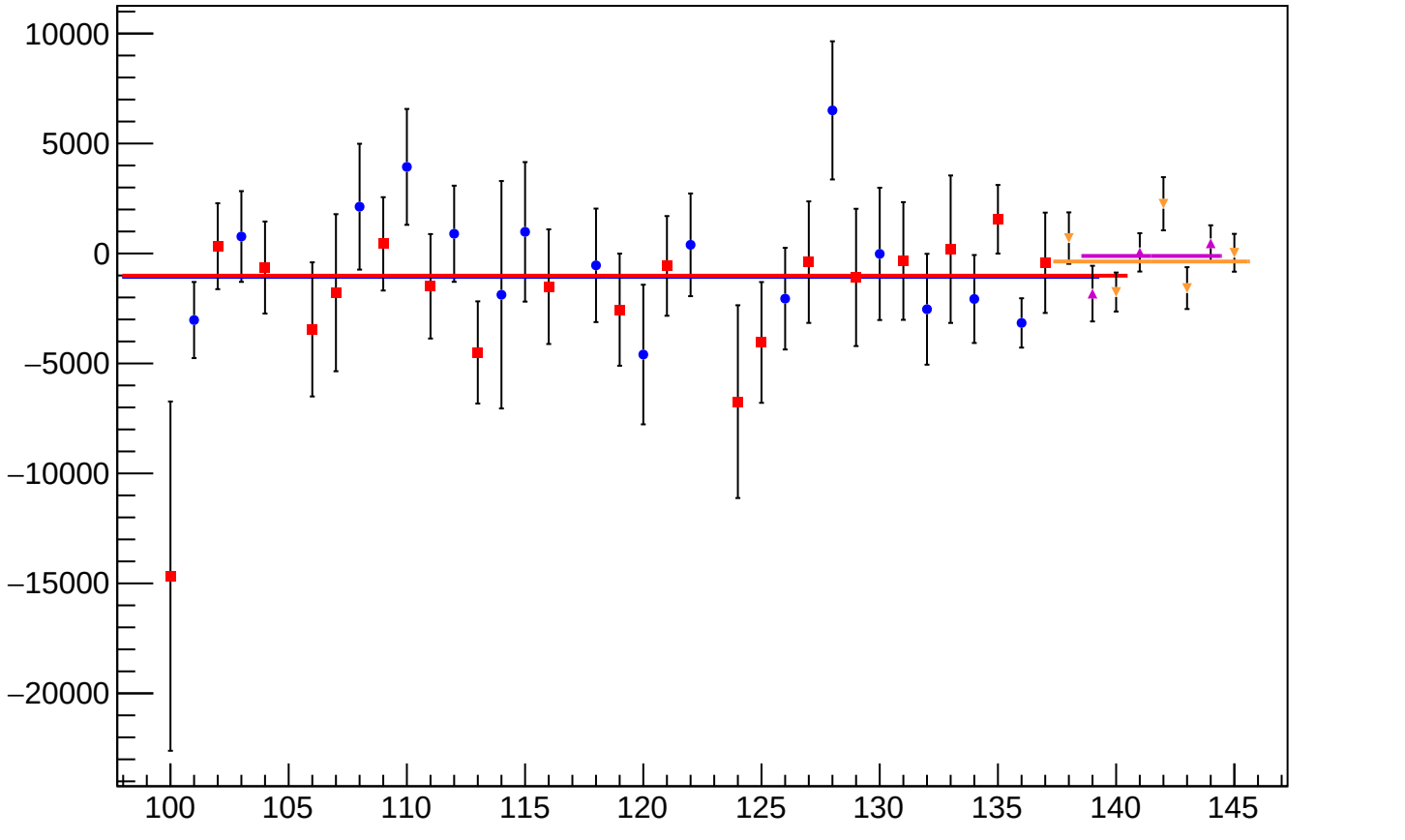
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 92.093+/-0.040 χ^2/NDF:12435.3/2

+ sign 99.874+/-0.022 χ^2/NDF: 548814.4/20

All: 100.514+/-0.016 χ^2/NDF: 983297.8/42

- sign 101.225+/-0.023 χ^2/NDF: 432649.1/21



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -364.016+/-440.837 χ^2/NDF:9.8/4

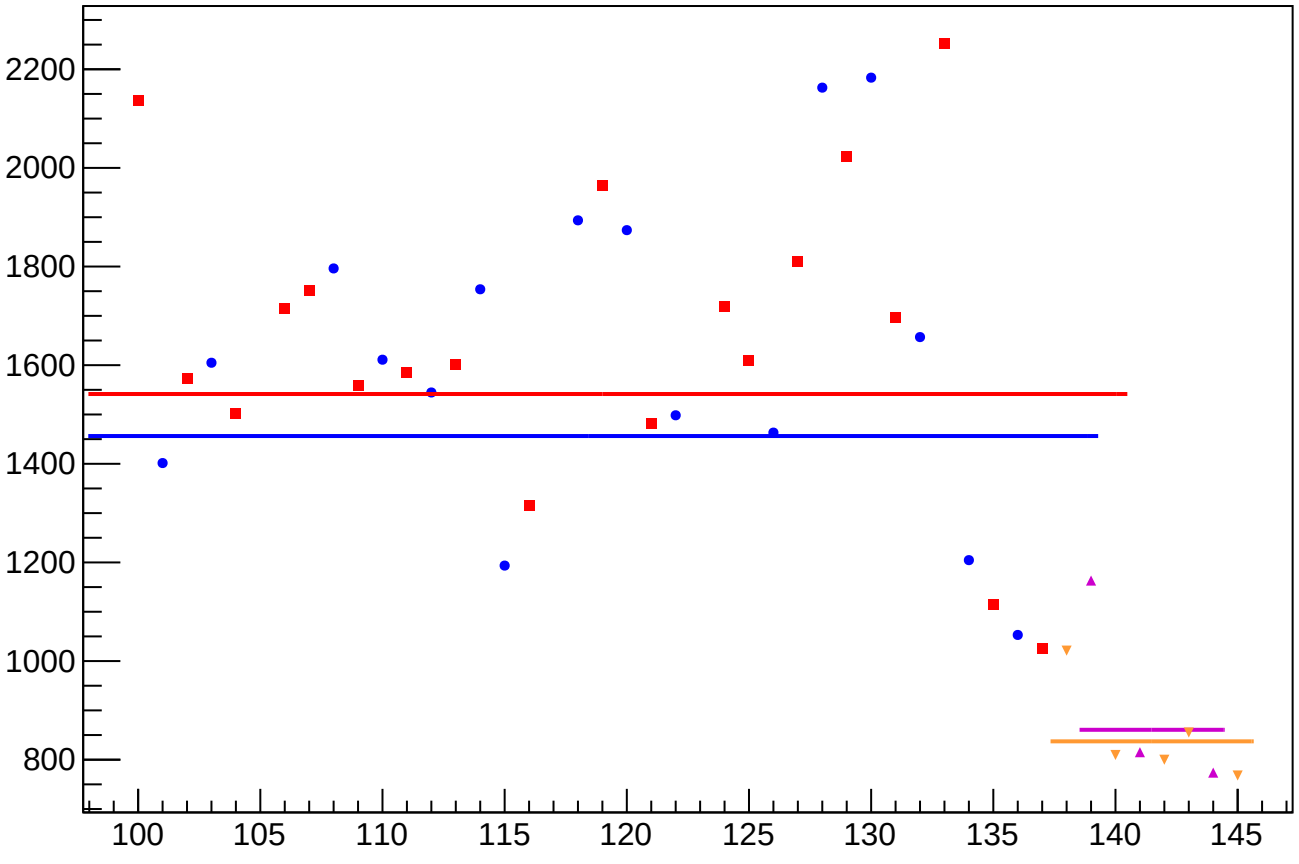
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -112.860+/-539.749 χ^2/NDF:2.4/2

+ sign -631.439+/-345.827 χ^2/NDF: 30.8/20

All: -588.535+/-259.784 χ^2/NDF: 47.8/42

- sign -532.968+/-393.564 χ^2/NDF: 16.9/21



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

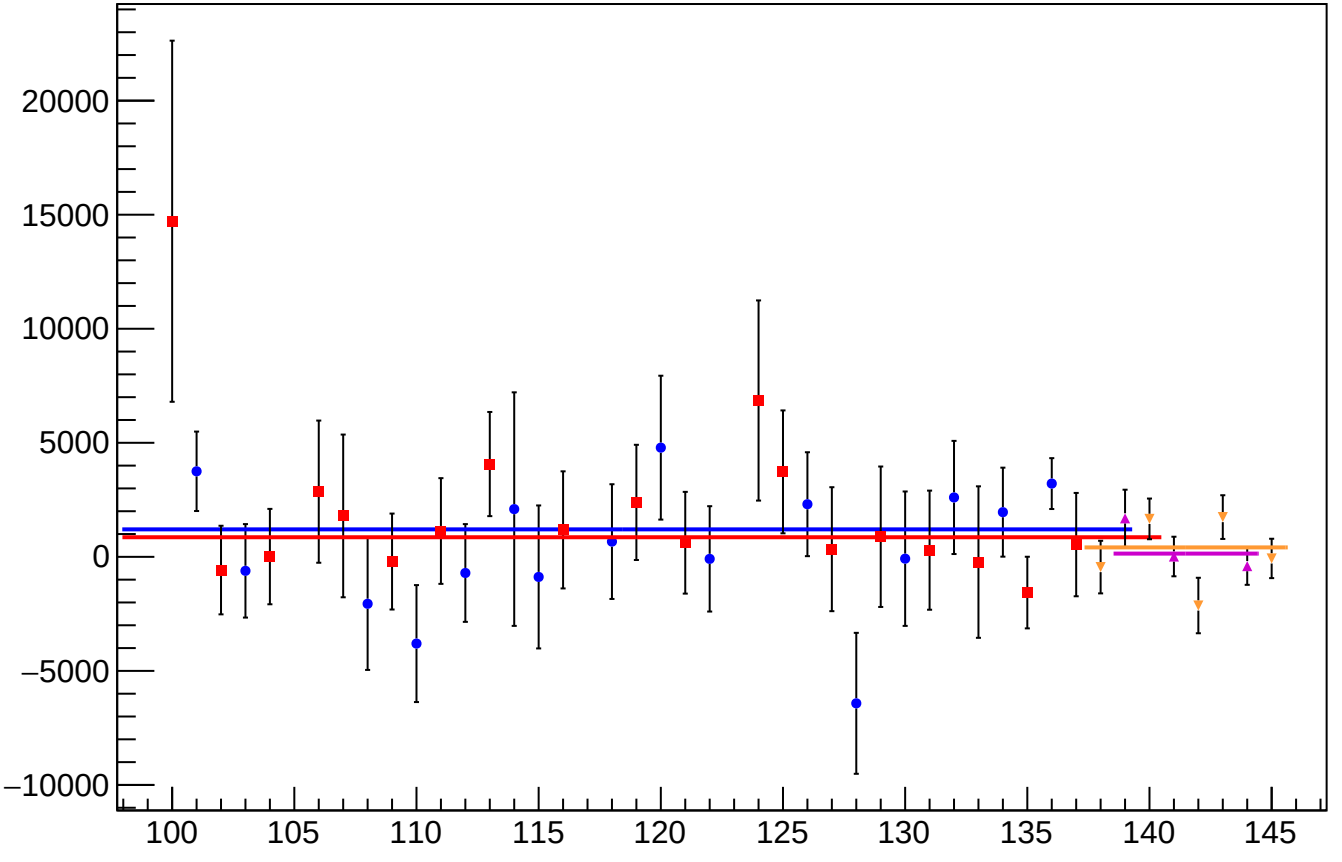
Left In: 860.628+/-0.382 χ^2/NDF:142345.9/2

+ sign 1075.307+/-0.245 χ^2/NDF: 2268768.4/20

All: 1120.707+/-0.184 χ^2/NDF: 4500113.7/42

- sign 1179.506+/-0.278 χ^2/NDF: 2152235.5/21

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

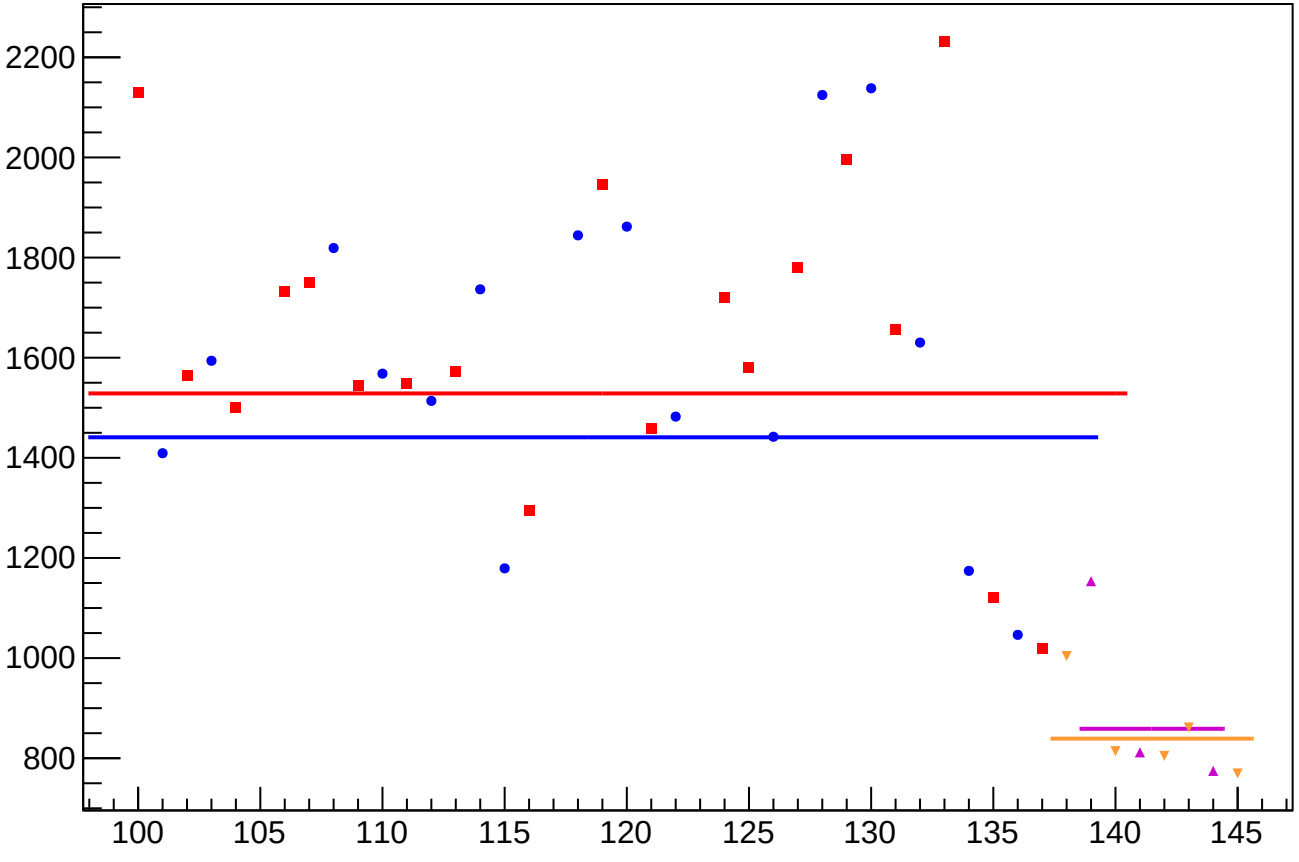
Left In: 142.111+/-538.541 χ^2/NDF:2.0/2

+ sign 723.041+/-344.990 χ^2/NDF: 31.5/20

All: 616.885+/-258.858 χ^2/NDF: 47.1/42

- sign 480.119+/-391.582 χ^2/NDF: 15.3/21

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

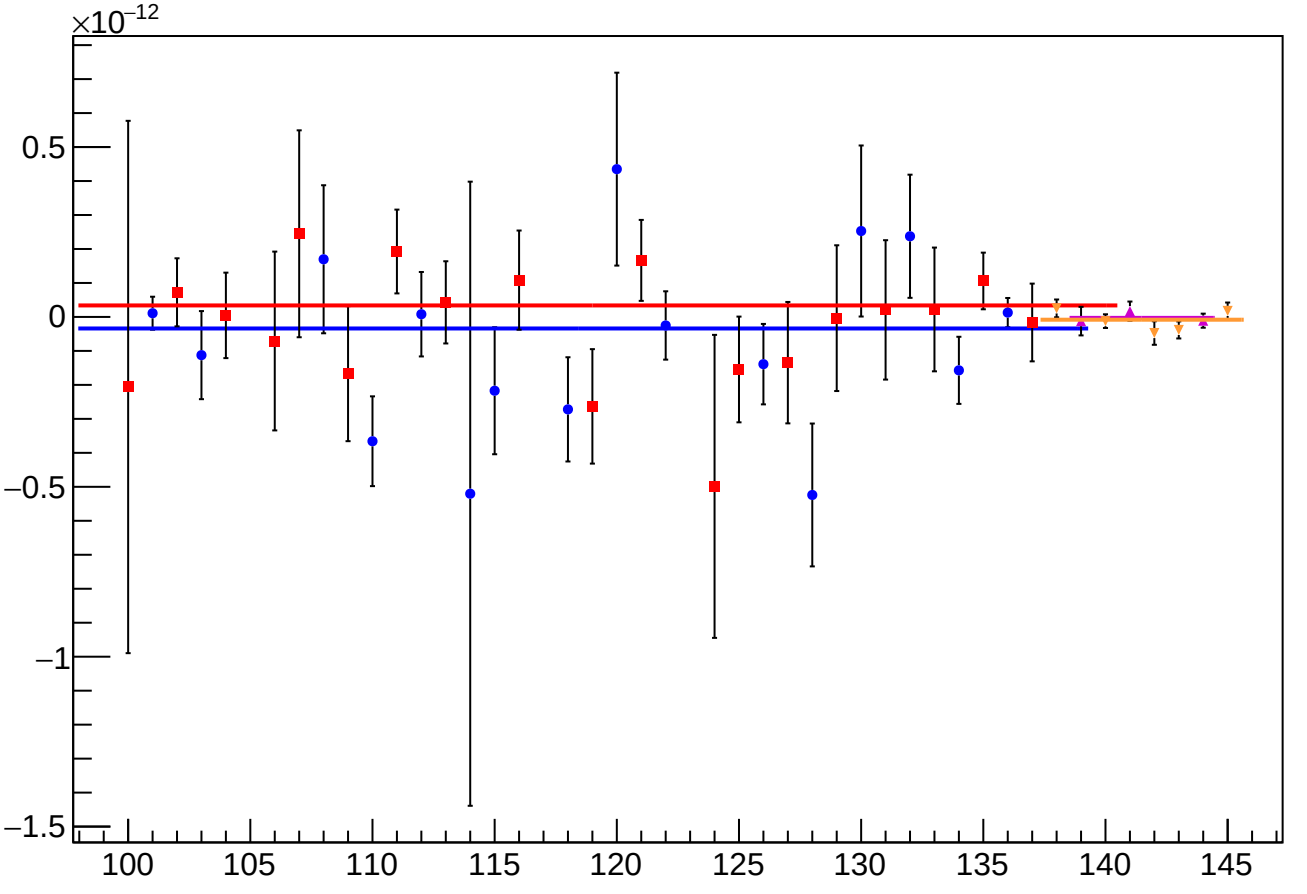
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 858.820+/-0.381 χ^2/NDF:137326.3/2

+ sign 1074.470+/-0.244 χ^2/NDF: 2178391.5/20

All: 1118.189+/-0.183 χ^2/NDF: 4349151.3/42

- sign 1174.513+/-0.277 χ^2/NDF: 2097262.7/21



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

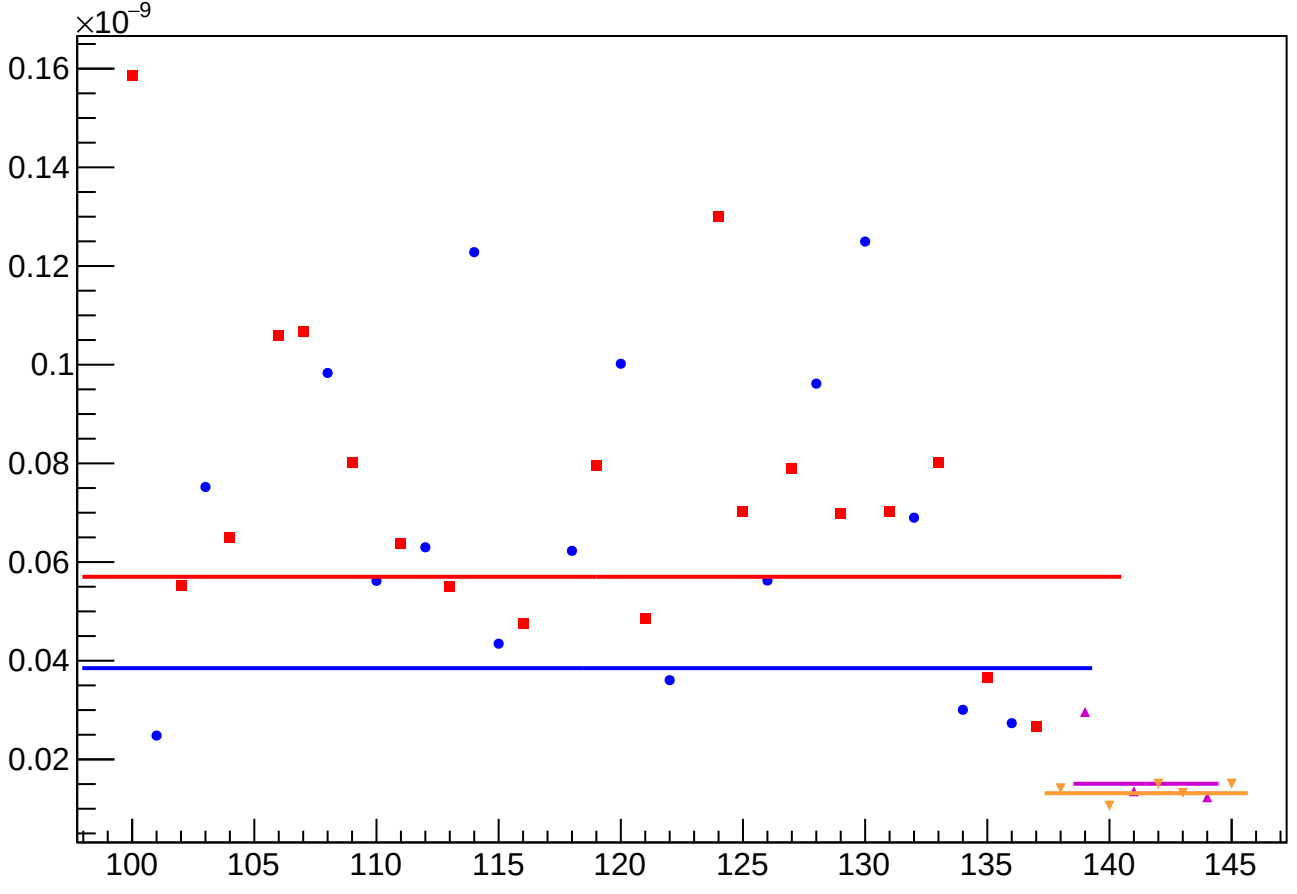
Left In: -0.000+/-0.000 χ^2/NDF:0.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/20

All: -0.000+/-0.000 χ^2/NDF: 49.3/42

- sign 0.000+/-0.000 χ^2/NDF: 14.7/21

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

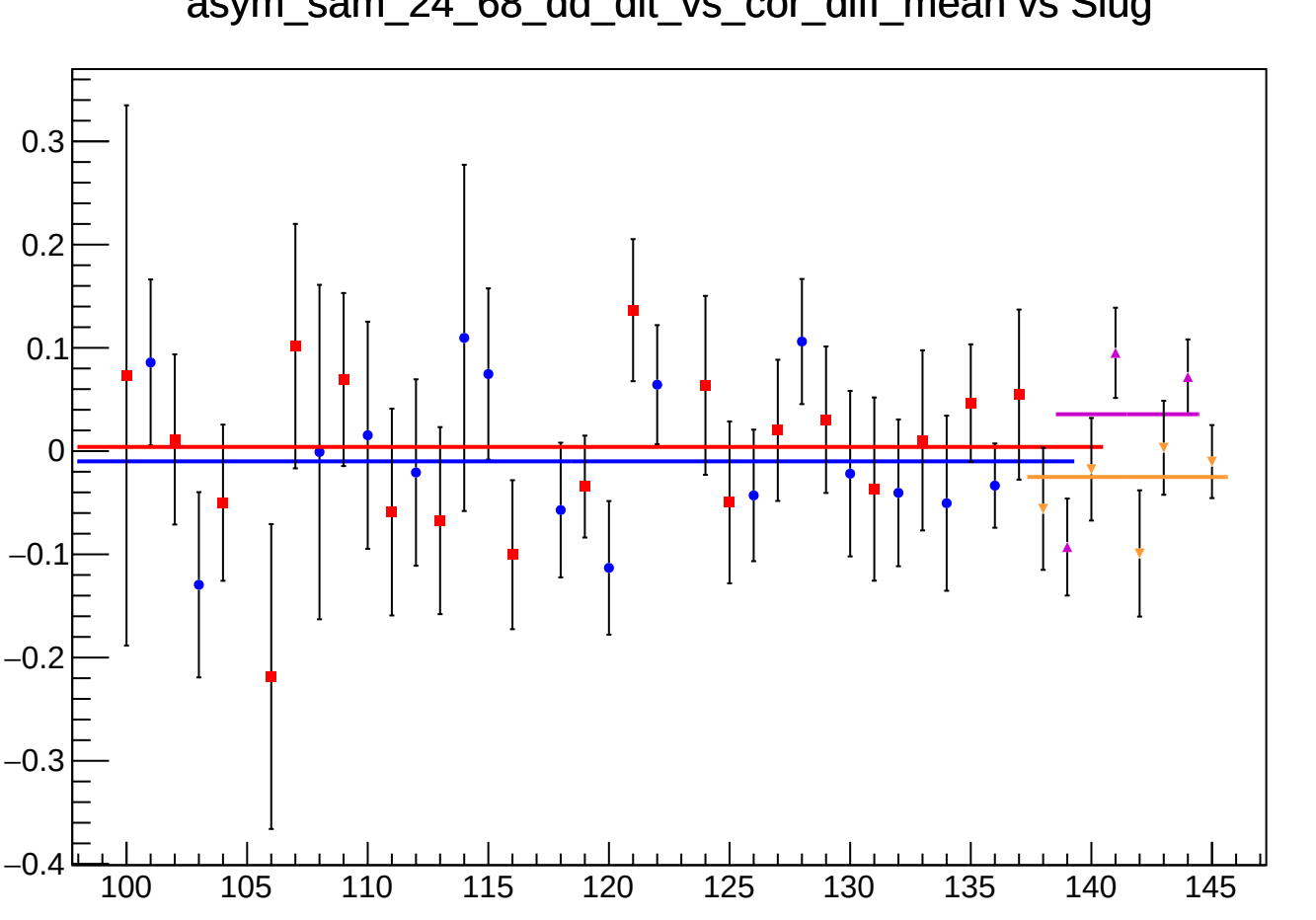
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:280491.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 3141553.8/20

All: 0.000+/-0.000 χ^2/NDF: 6792446.4/42

- sign 0.000+/-0.000 χ^2/NDF: 3485088.0/21



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.025+/-0.021 χ^2/NDF:2.3/4

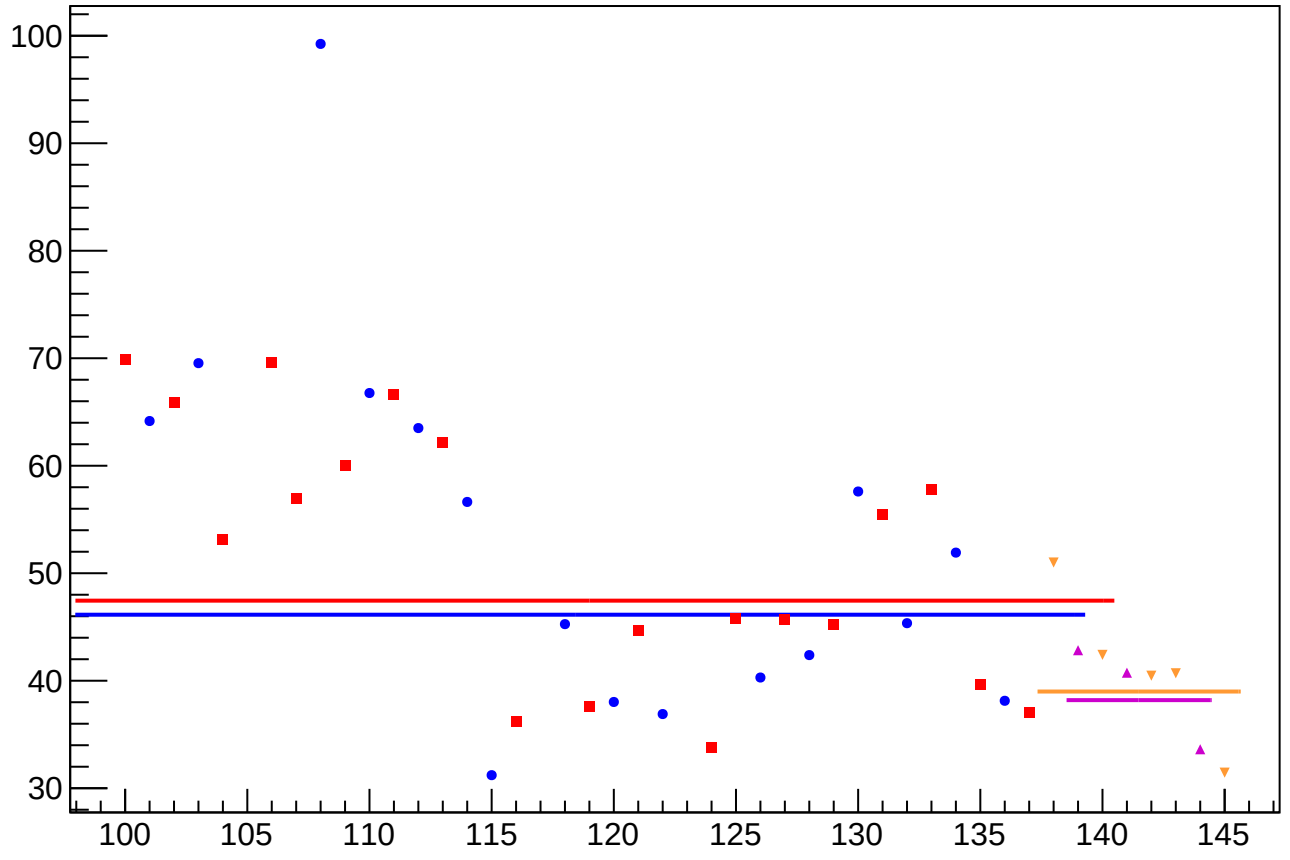
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.036+/-0.024 χ^2/NDF:10.3/2

+ sign -0.016+/-0.014 χ^2/NDF: 16.9/20

All: -0.001+/-0.010 χ^2/NDF: 44.7/42

- sign 0.015+/-0.014 χ^2/NDF: 25.3/21



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.995+/-0.015 χ^2/NDF:186749.2/4

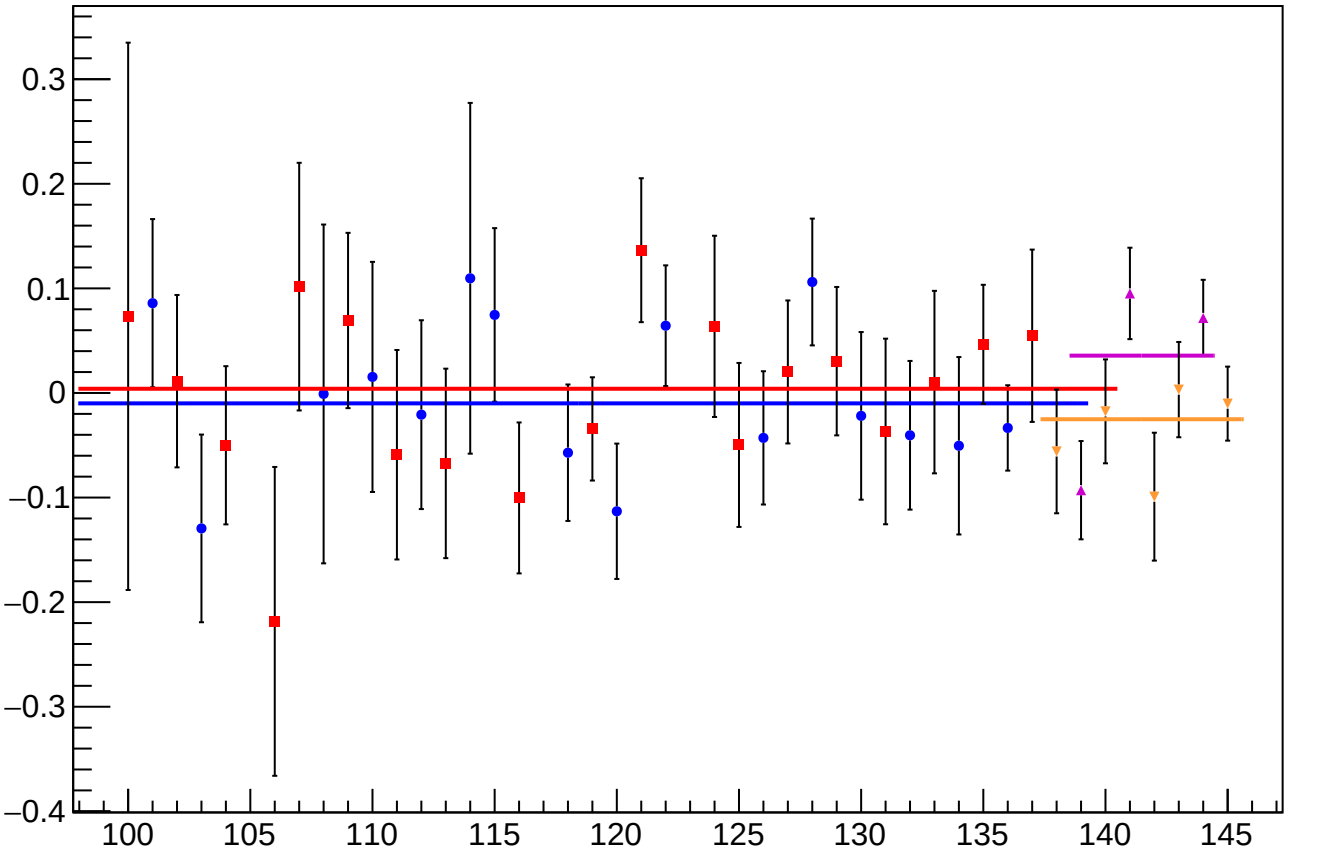
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.195+/-0.017 χ^2/NDF:57797.6/2

+ sign 43.138+/-0.010 χ^2/NDF: 1222632.7/20

All: 43.595+/-0.007 χ^2/NDF: 2128981.0/42

- sign 44.105+/-0.010 χ^2/NDF: 901636.4/21



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.025+/-0.021 χ^2/NDF:2.3/4

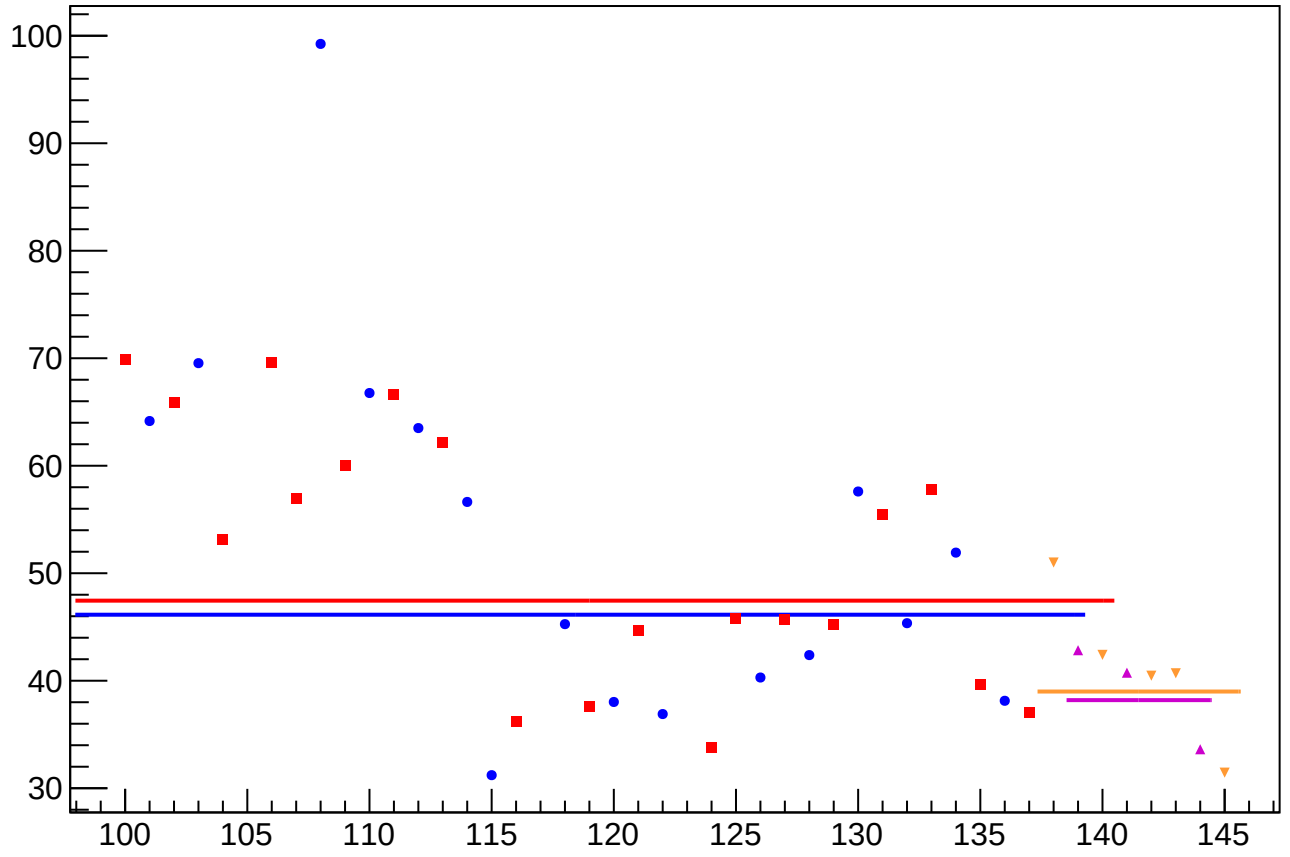
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.036+/-0.024 χ^2/NDF:10.3/2

+ sign -0.016+/-0.014 χ^2/NDF: 16.9/20

All: -0.001+/-0.010 χ^2/NDF: 44.7/42

- sign 0.015+/-0.014 χ^2/NDF: 25.3/21



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.995+/-0.015 χ^2/NDF:186749.2/4

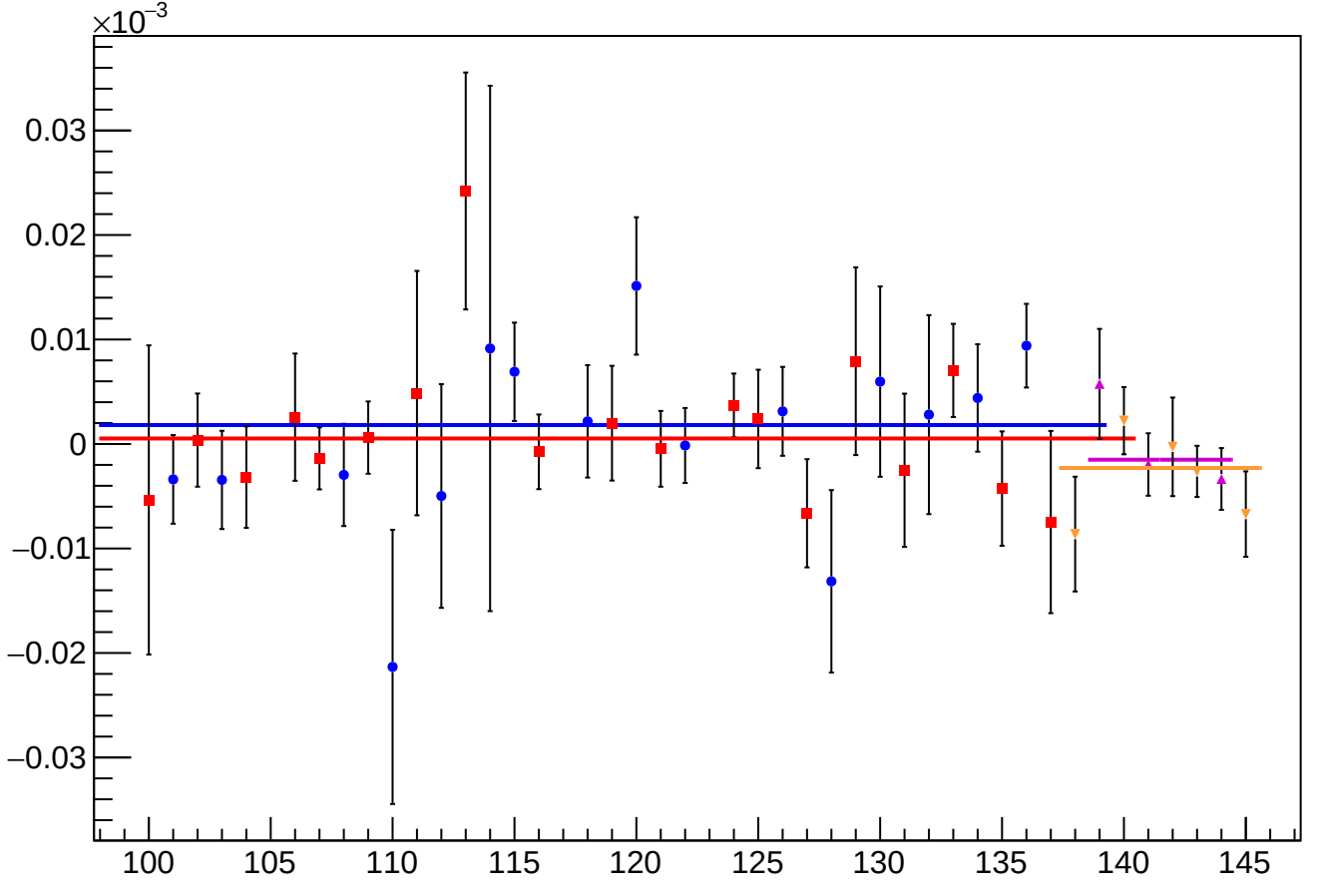
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.195+/-0.017 χ^2/NDF:57797.6/2

+ sign 43.138+/-0.010 χ^2/NDF: 1222632.7/20

All: 43.595+/-0.007 χ^2/NDF: 2128981.0/42

- sign 44.105+/-0.010 χ^2/NDF: 901636.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

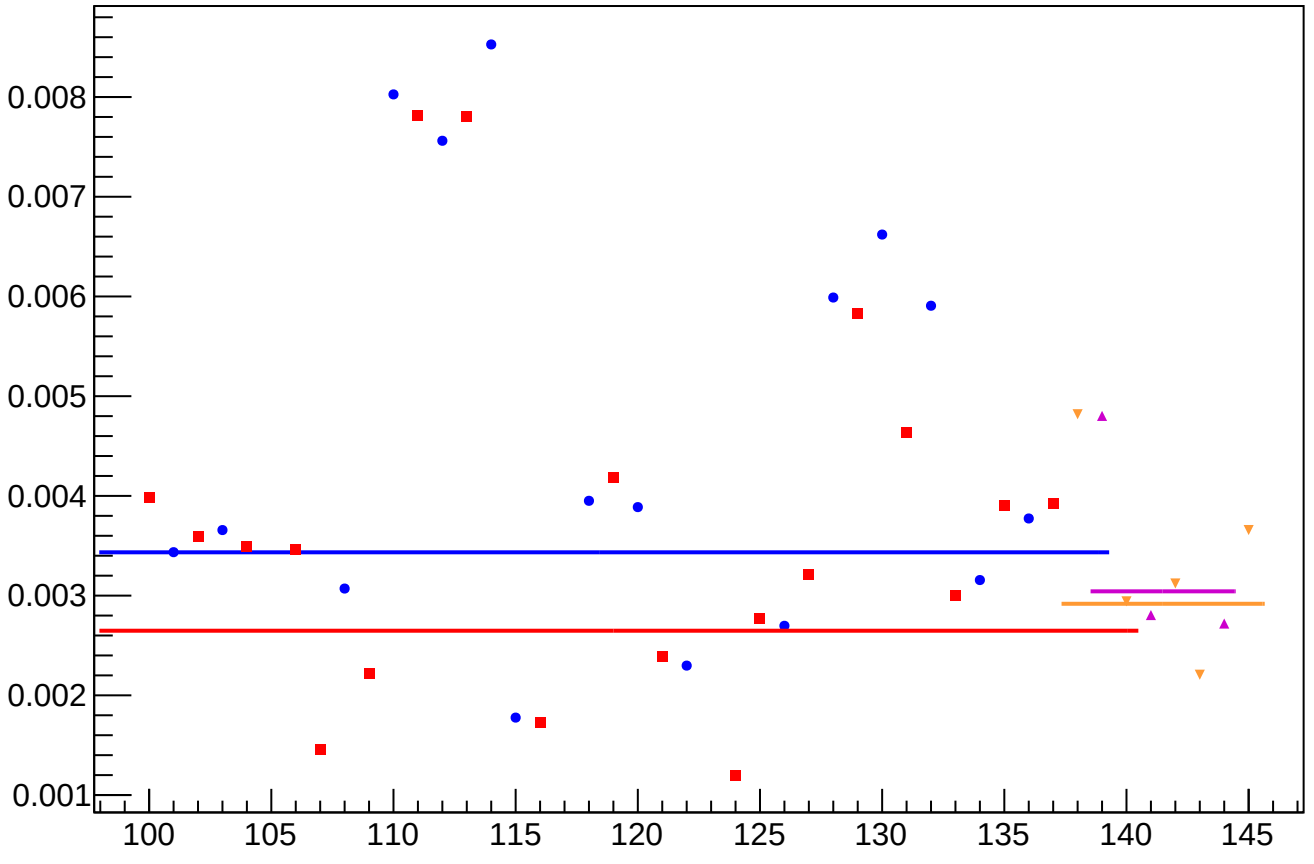
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/20

All: 0.000+/-0.000 χ^2/NDF: 45.4/42

- sign 0.000+/-0.000 χ^2/NDF: 16.9/21



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:477800.7/4

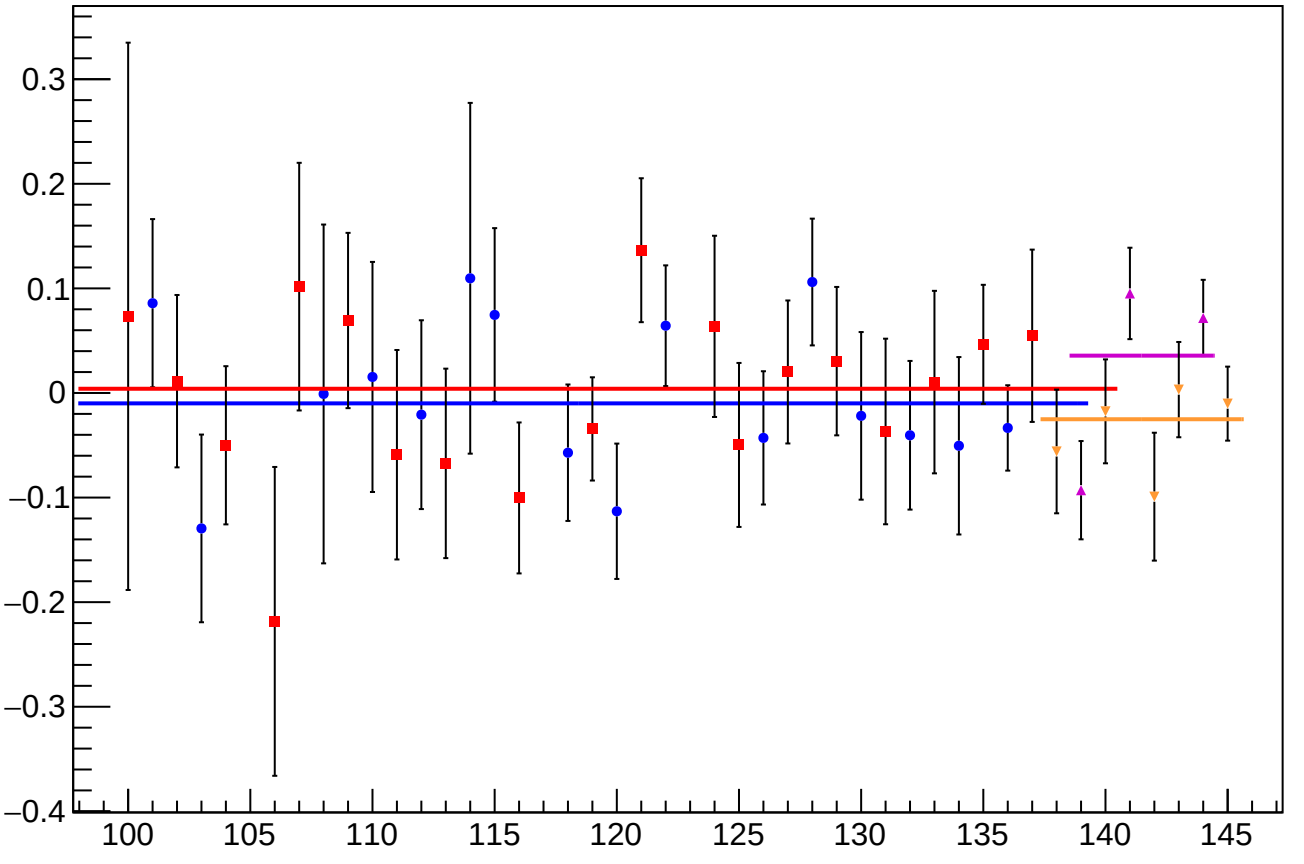
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:260283.4/2

+ sign 0.003+/-0.000 χ^2/NDF: 2348207.4/20

All: 0.003+/-0.000 χ^2/NDF: 5591299.7/42

- sign 0.003+/-0.000 χ^2/NDF: 3019576.7/21



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.025+/-0.021 χ^2/NDF:2.3/4

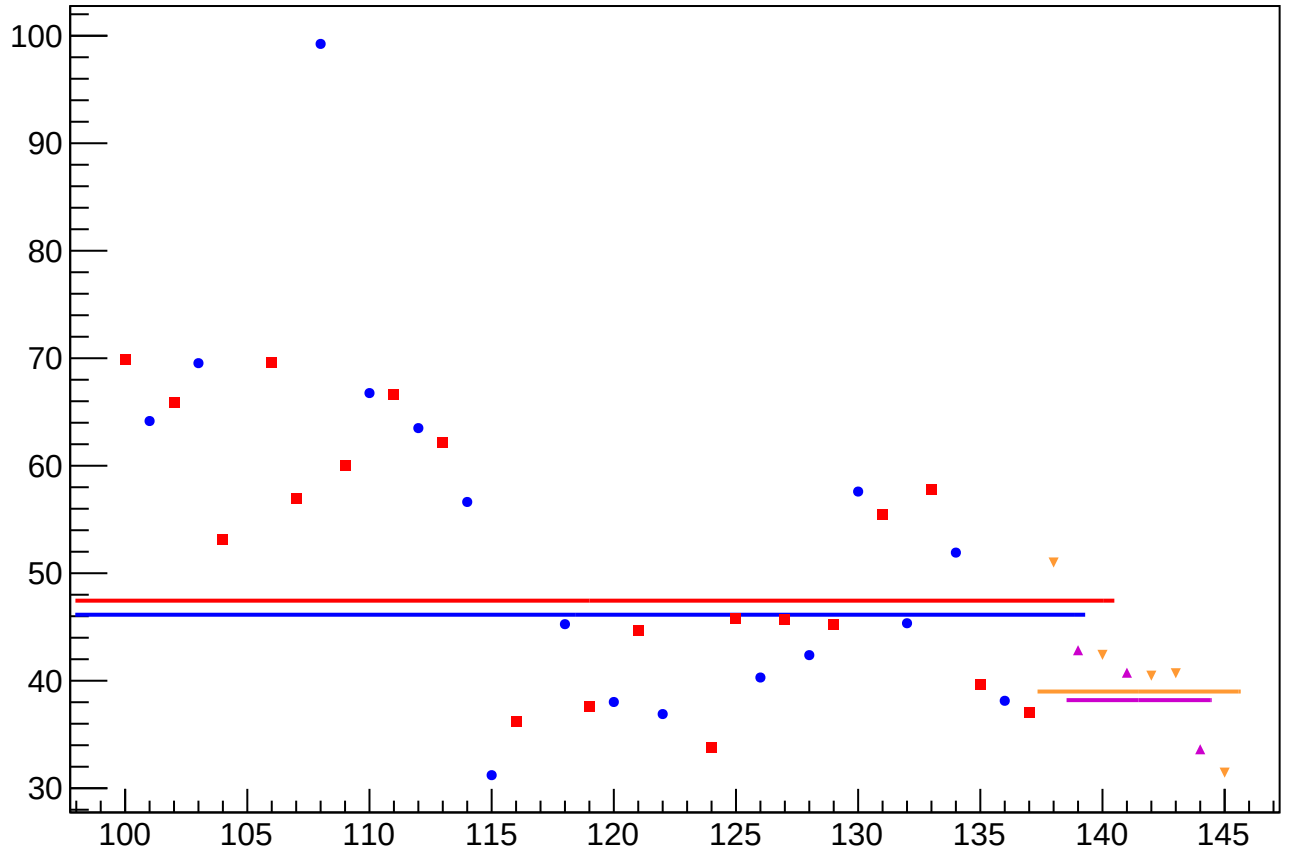
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.036+/-0.024 χ^2/NDF:10.3/2

+ sign -0.016+/-0.014 χ^2/NDF: 16.9/20

All: -0.001+/-0.010 χ^2/NDF: 44.7/42

- sign 0.015+/-0.014 χ^2/NDF: 25.3/21



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.995+/-0.015 χ^2/NDF:186745.0/4

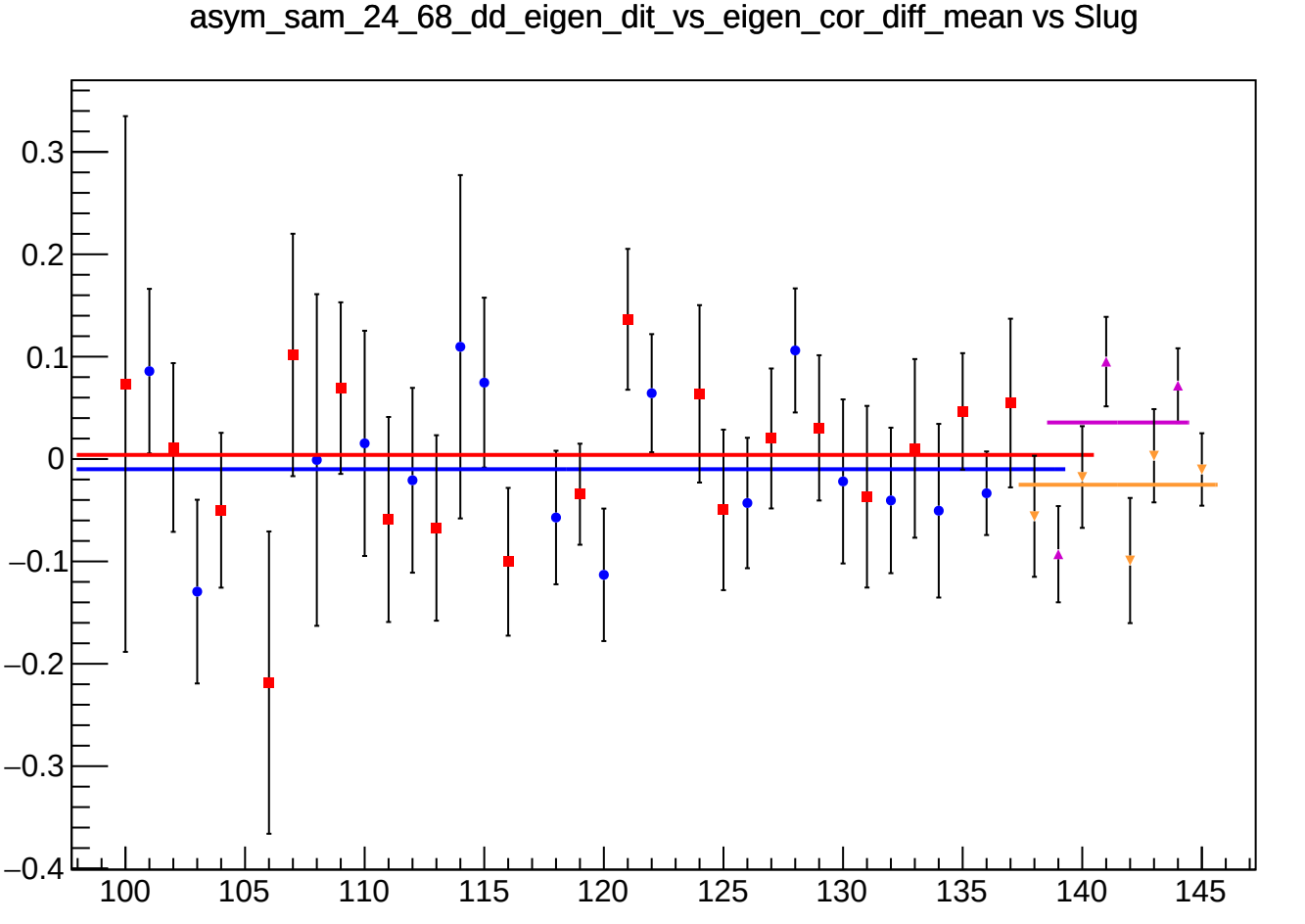
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.195+/-0.017 χ^2/NDF:57794.4/2

+ sign 43.137+/-0.010 χ^2/NDF: 1222544.3/20

All: 43.594+/-0.007 χ^2/NDF: 2128848.7/42

- sign 44.104+/-0.010 χ^2/NDF: 901592.2/21



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.025+/-0.021 χ^2/NDF:2.3/4

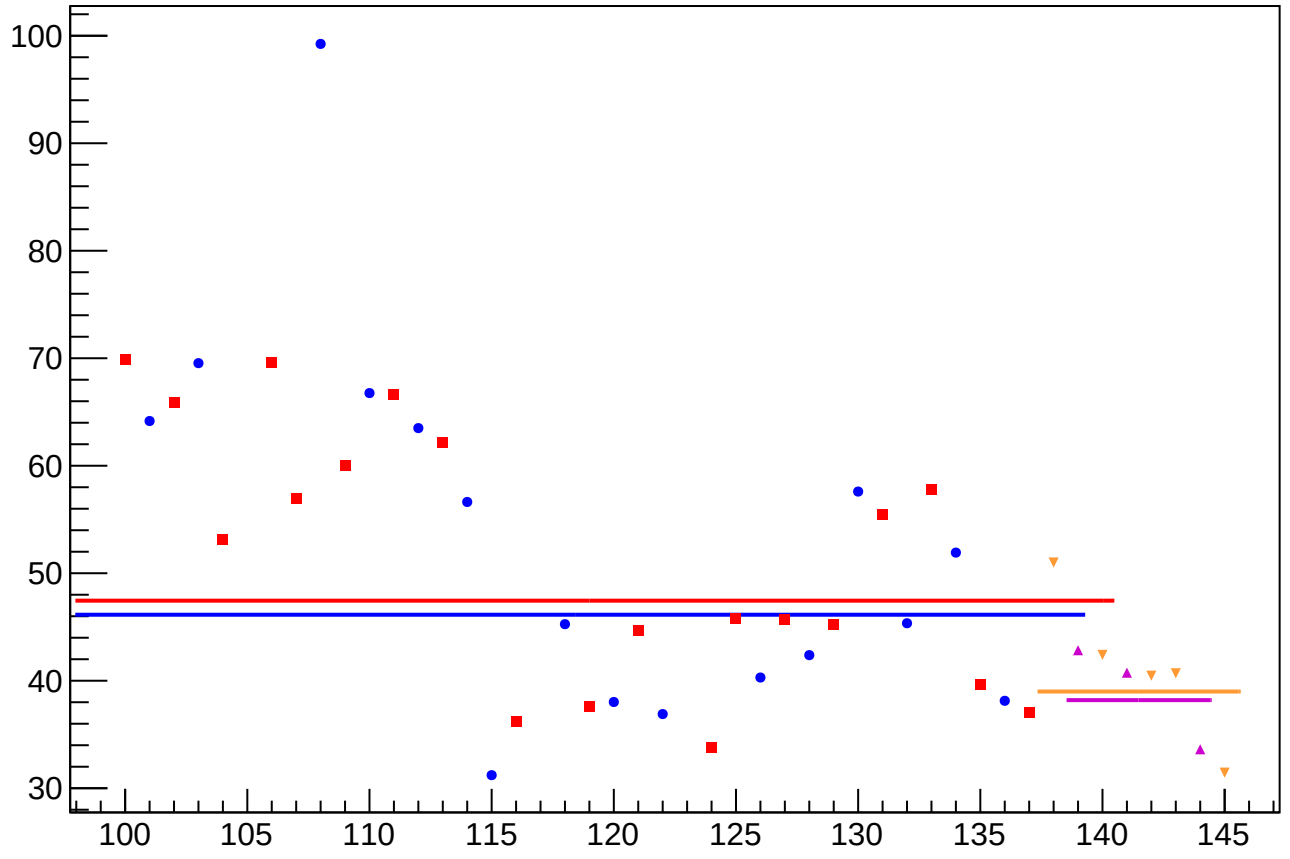
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.036+/-0.024 χ^2/NDF:10.3/2

+ sign -0.016+/-0.014 χ^2/NDF: 16.9/20

All: -0.001+/-0.010 χ^2/NDF: 44.7/42

- sign 0.015+/-0.014 χ^2/NDF: 25.3/21



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.995+/-0.015 χ^2/NDF:186745.0/4

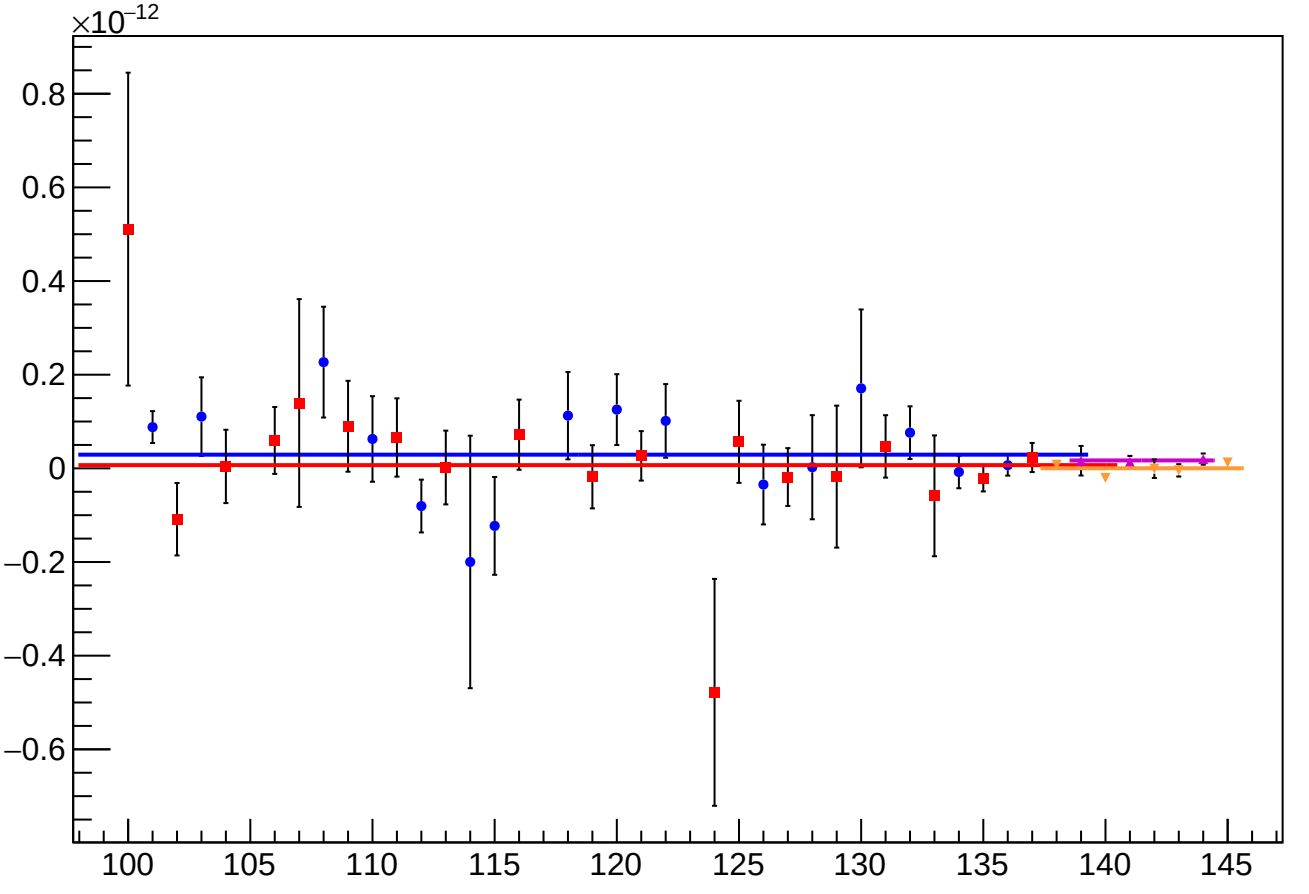
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.195+/-0.017 χ^2/NDF:57794.4/2

+ sign 43.137+/-0.010 χ^2/NDF: 1222544.3/20

All: 43.594+/-0.007 χ^2/NDF: 2128848.7/42

- sign 44.104+/-0.010 χ^2/NDF: 901592.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/4

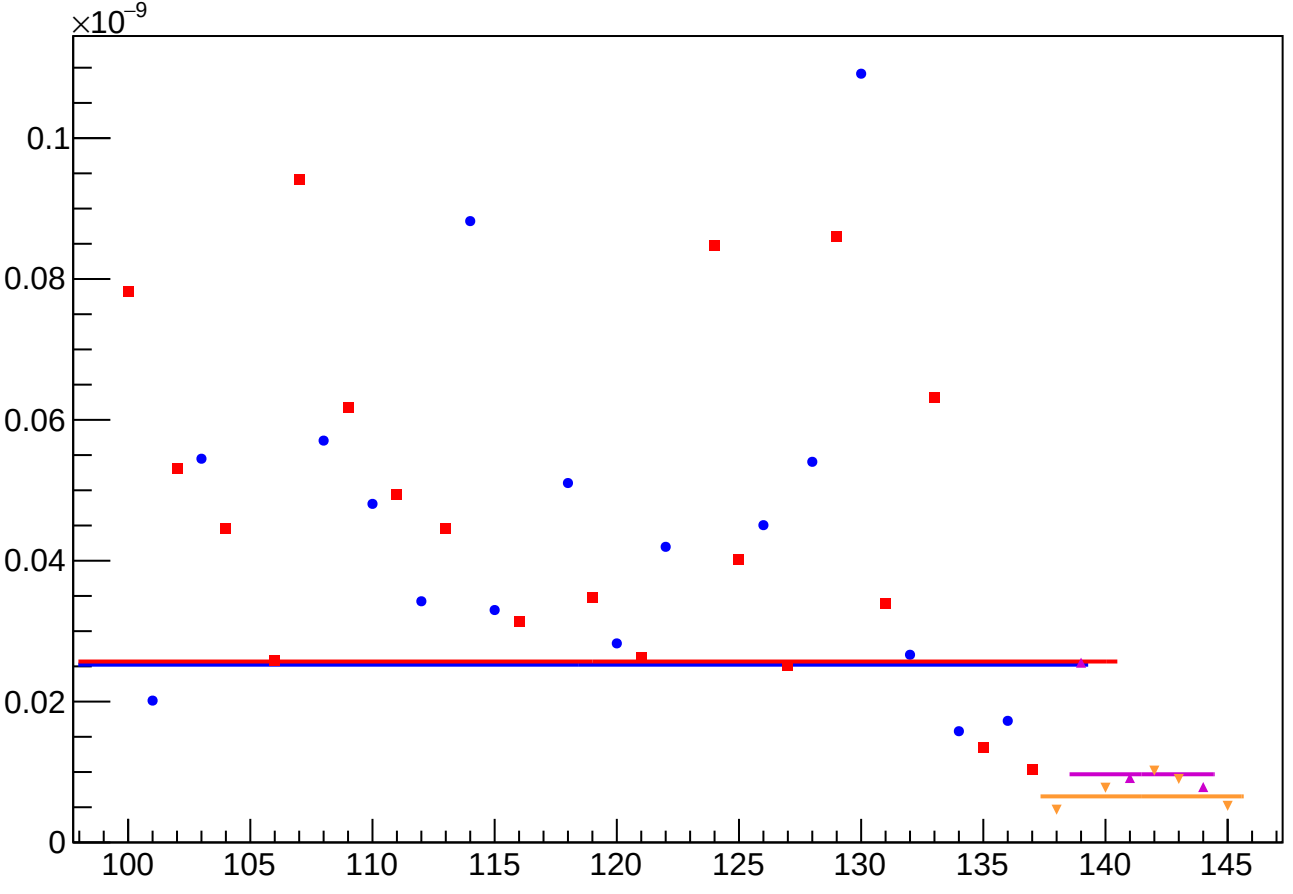
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/20

All: 0.000+/-0.000 χ^2/NDF: 47.3/42

- sign 0.000+/-0.000 χ^2/NDF: 14.7/21



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

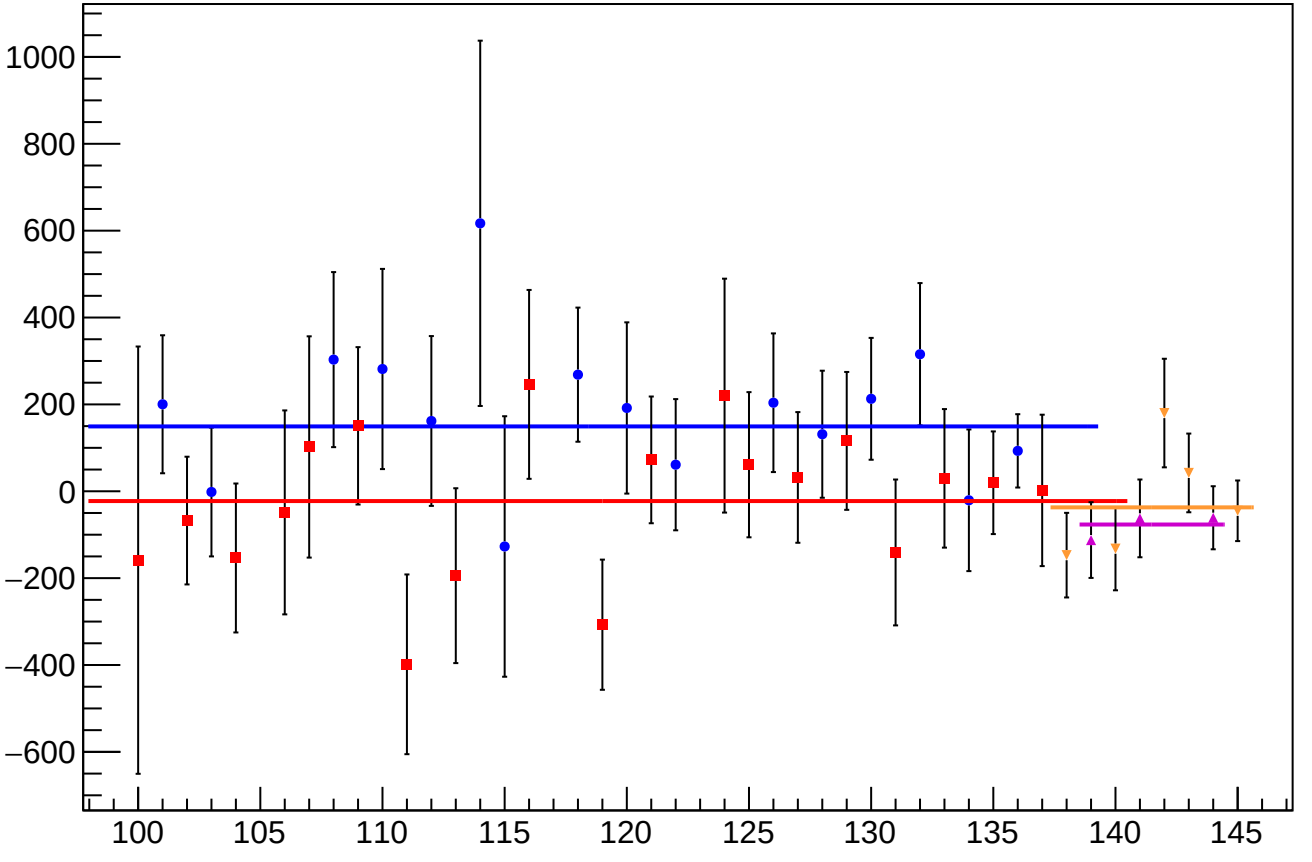
Left In: 0.000+/-0.000 χ^2/NDF:553456.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 5748812.8/20

All: 0.000+/-0.000 χ^2/NDF: 11586678.4/42

- sign 0.000+/-0.000 χ^2/NDF: 5196333.1/21

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

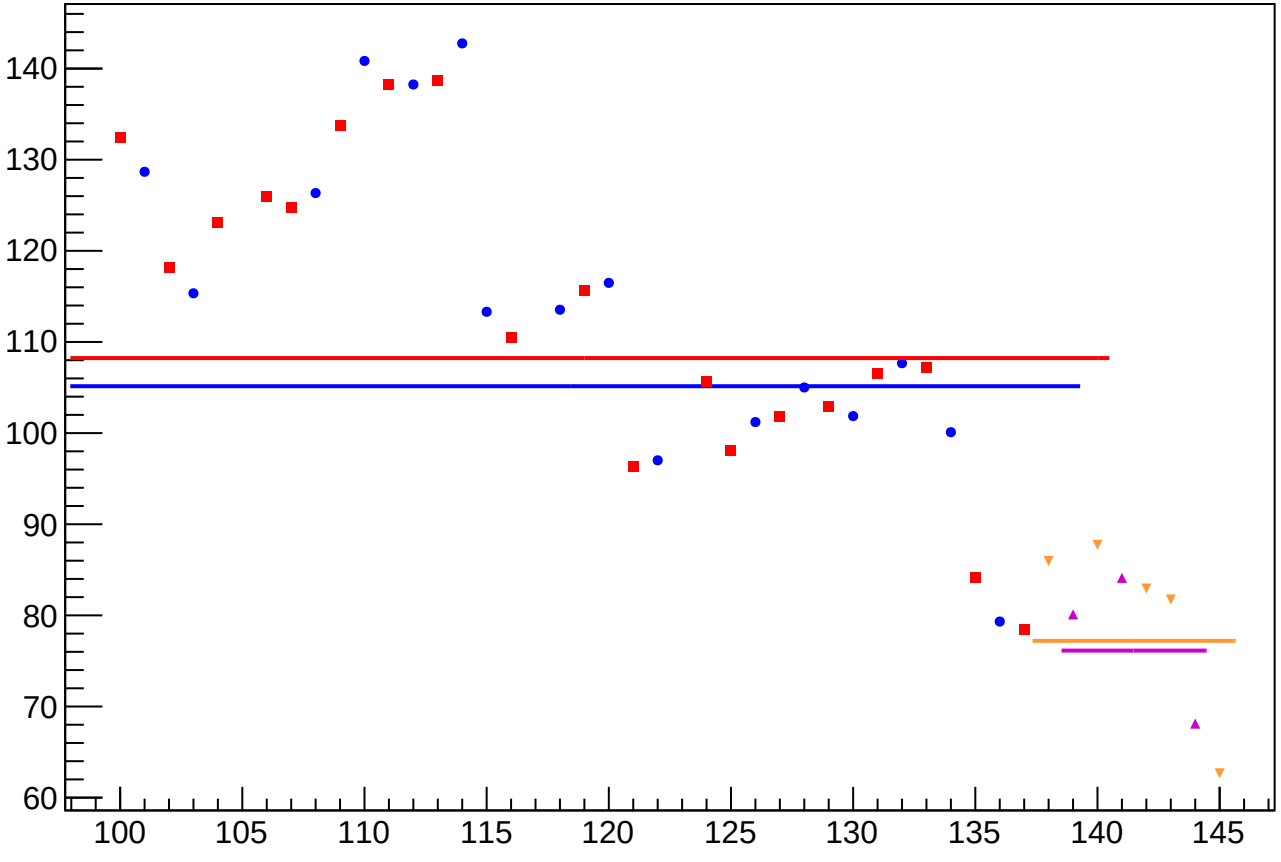
Left In: -76.554+/-47.341 χ^2/NDF:0.2/2

+ sign 58.325+/-28.393 χ^2/NDF: 24.8/20

All: 10.469+/-20.813 χ^2/NDF: 46.2/42

- sign -45.110+/-30.599 χ^2/NDF: 15.2/21

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

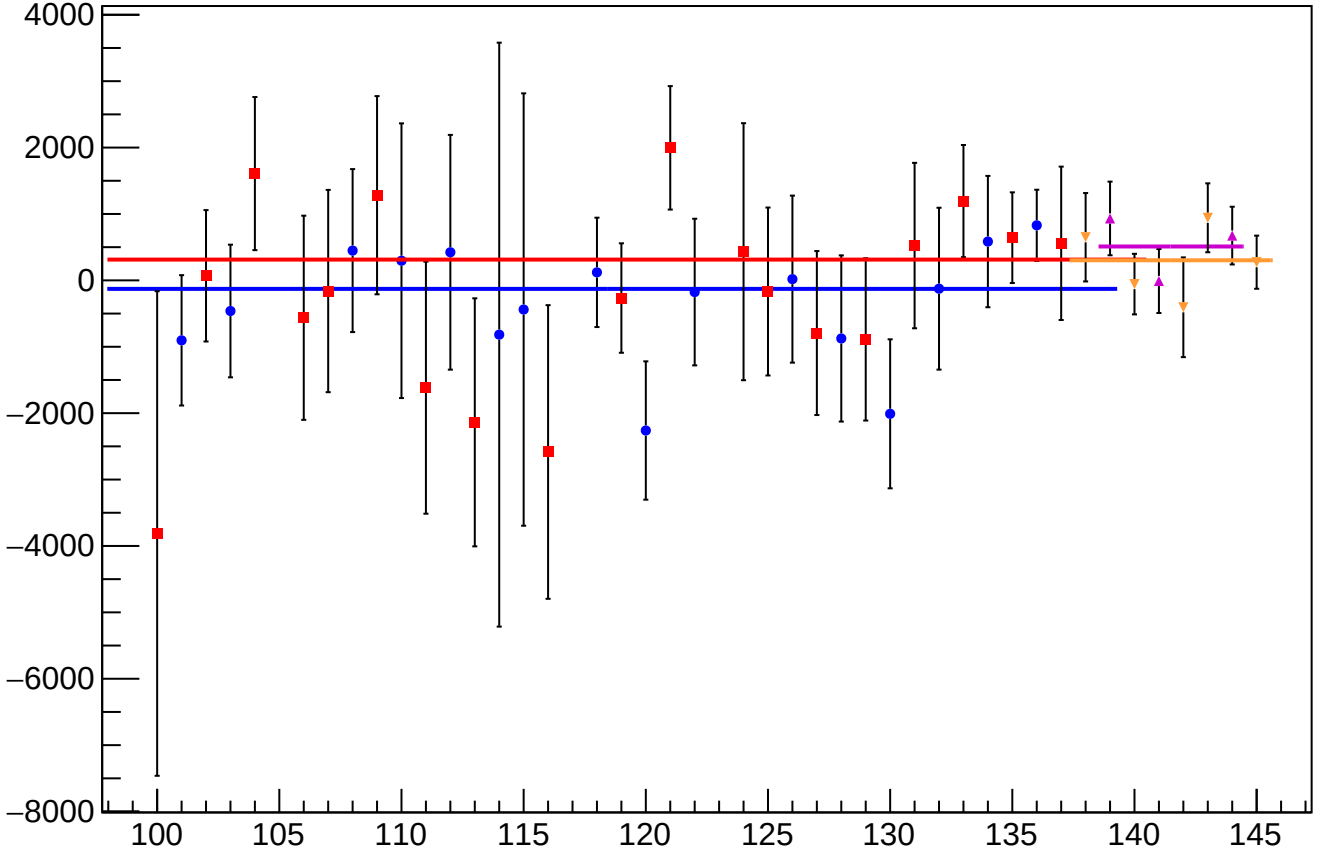
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 76.135+/-0.033 χ^2/NDF:44419.2/2

+ sign 91.508+/-0.020 χ^2/NDF: 1028653.7/20

All: 93.042+/-0.015 χ^2/NDF: 1970931.7/42

- sign 94.824+/-0.022 χ^2/NDF: 929655.8/21



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 302.548+/-230.658 χ^2/NDF:3.3/4

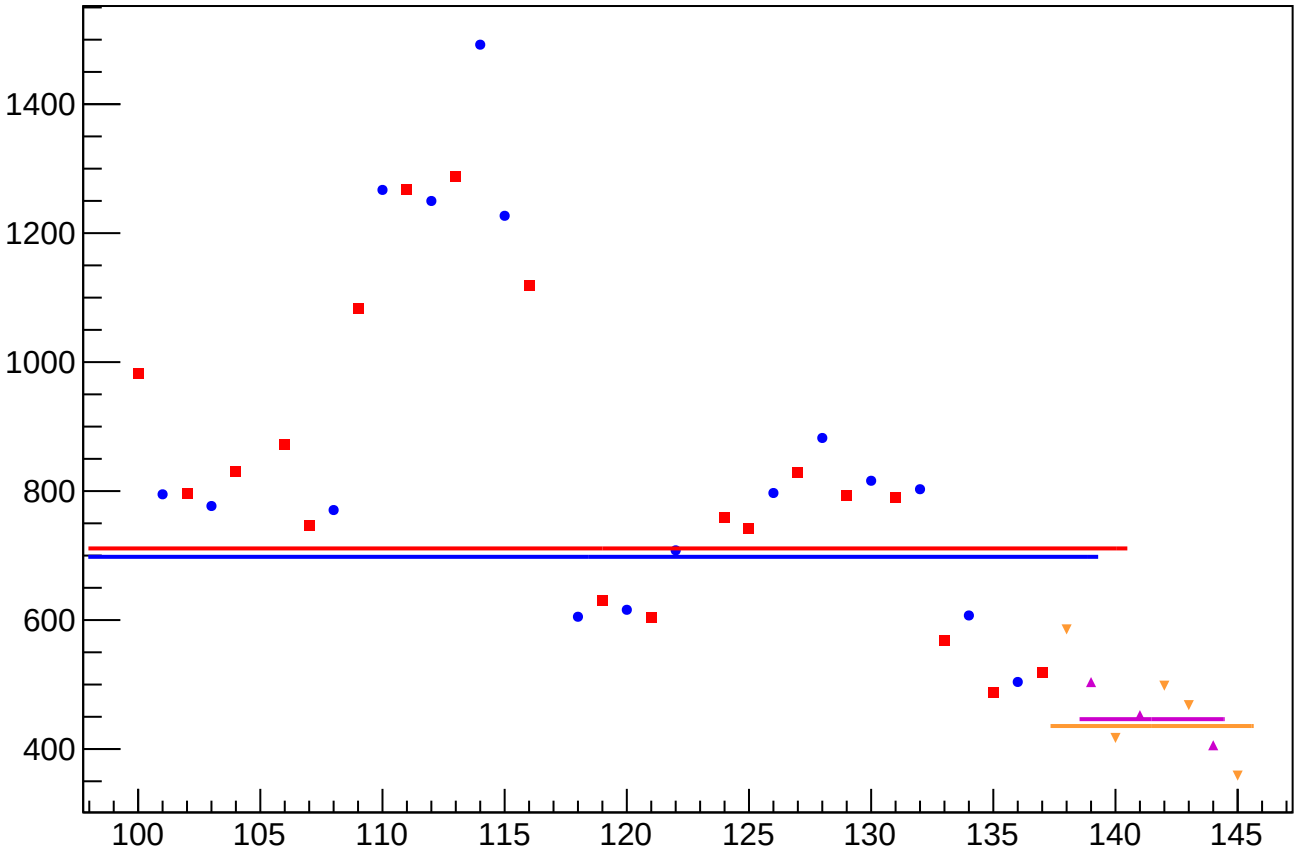
Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 510.403+/-278.967 χ^2/NDF:1.9/2

+ sign 119.791+/-174.993 χ^2/NDF: 17.1/20

All: 249.288+/-129.959 χ^2/NDF: 35.5/42

- sign 408.542+/-194.060 χ^2/NDF: 17.1/21



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

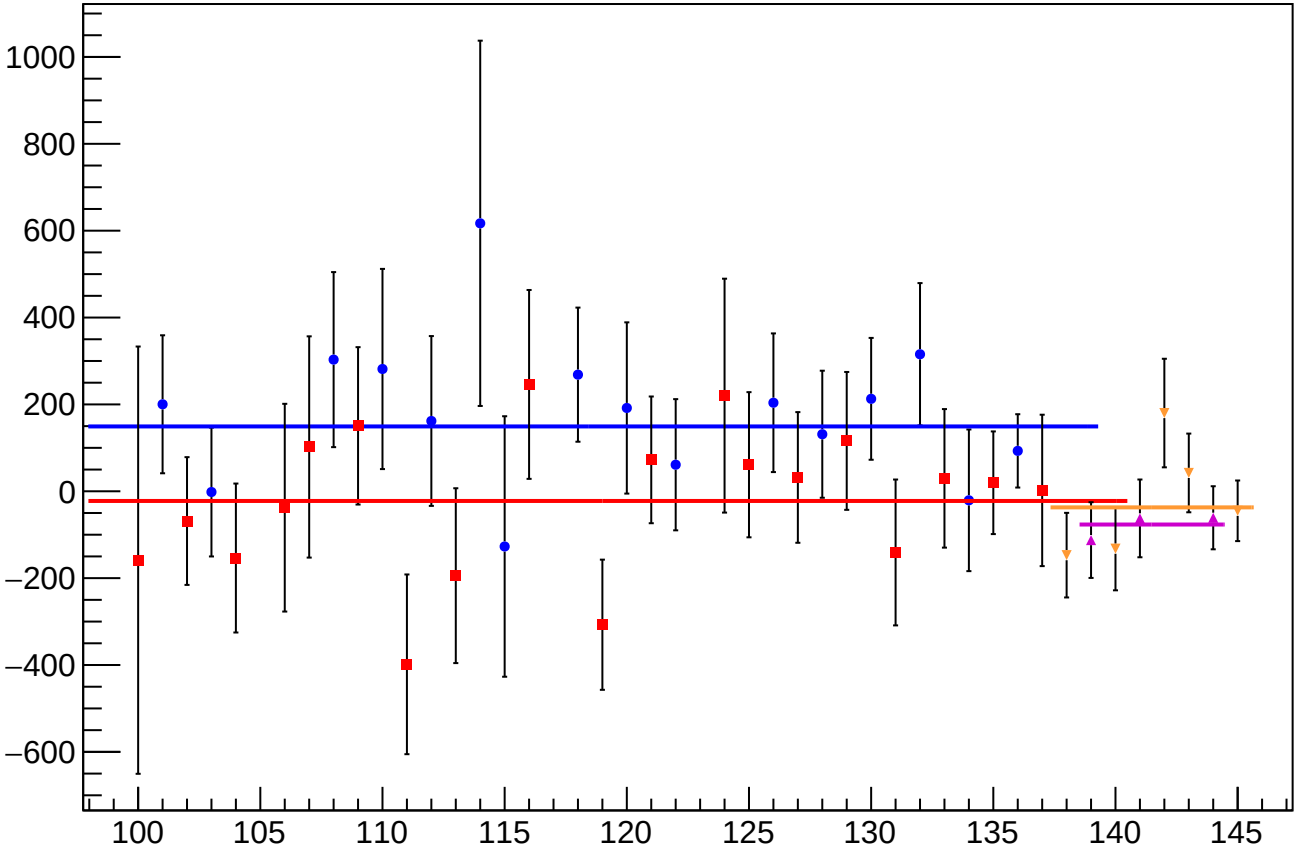
Left In: 446.331+/-0.197 χ^2/NDF:39164.7/2

+ sign 547.036+/-0.124 χ^2/NDF: 2211324.8/20

All: 563.151+/-0.092 χ^2/NDF: 4253125.2/42

- sign 582.969+/-0.137 χ^2/NDF: 2003982.0/21

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

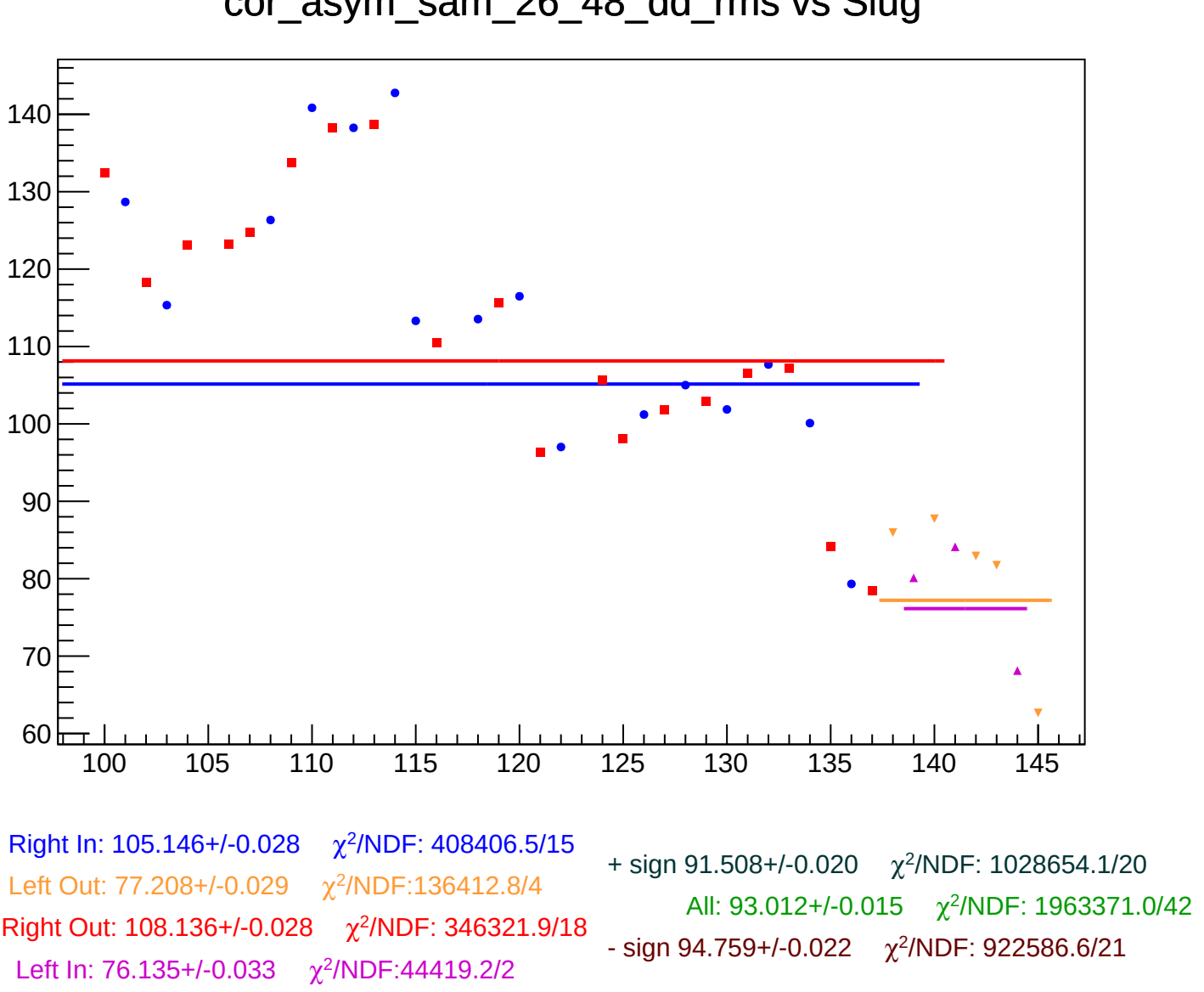
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

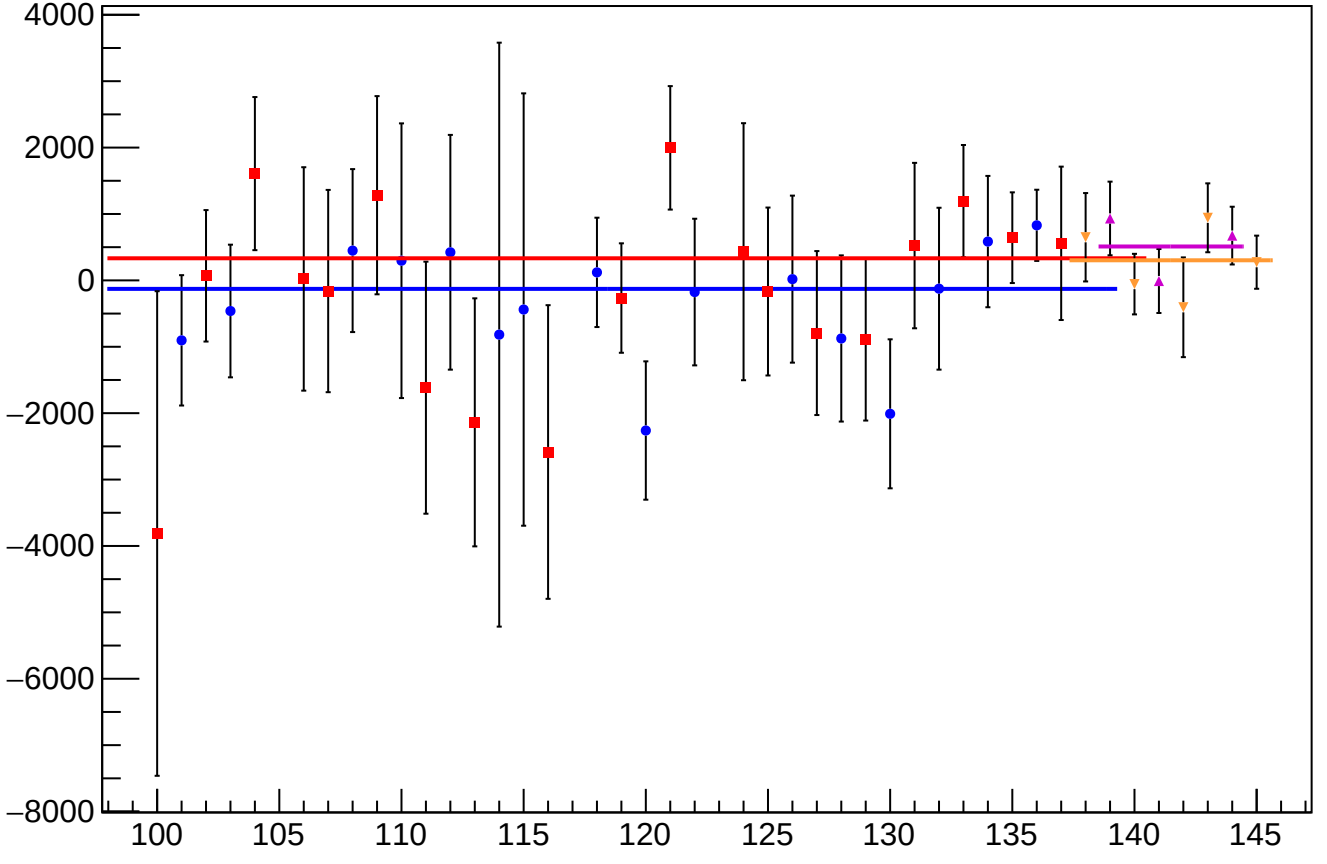
Left In: -76.555+/-47.341 χ^2/NDF:0.2/2

+ sign 58.316+/-28.393 χ^2/NDF: 24.8/20

All: 10.542+/-20.816 χ^2/NDF: 46.2/42

- sign -44.978+/-30.608 χ^2/NDF: 15.2/21


cor_asym_sam_26_48_dd_rms vs Slug
140
130
120
110
100
90
80
70
60
100
105
110
115
120
125
130
135
140
145
Right In: 105.146+/-0.028 χ²/NDF: 408406.5/15
Left Out: 77.208+/-0.029 χ²/NDF:136412.8/4
Right Out: 108.136+/-0.028 χ²/NDF: 346321.9/18
Left In: 76.135+/-0.033 χ²/NDF:44419.2/2
+ sign 91.508+/-0.020 χ²/NDF: 1028654.1/20
All: 93.012+/-0.015 χ²/NDF: 1963371.0/42
- sign 94.759+/-0.022 χ²/NDF: 922586.6/21



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 302.540+/-230.658 χ^2/NDF:3.3/4

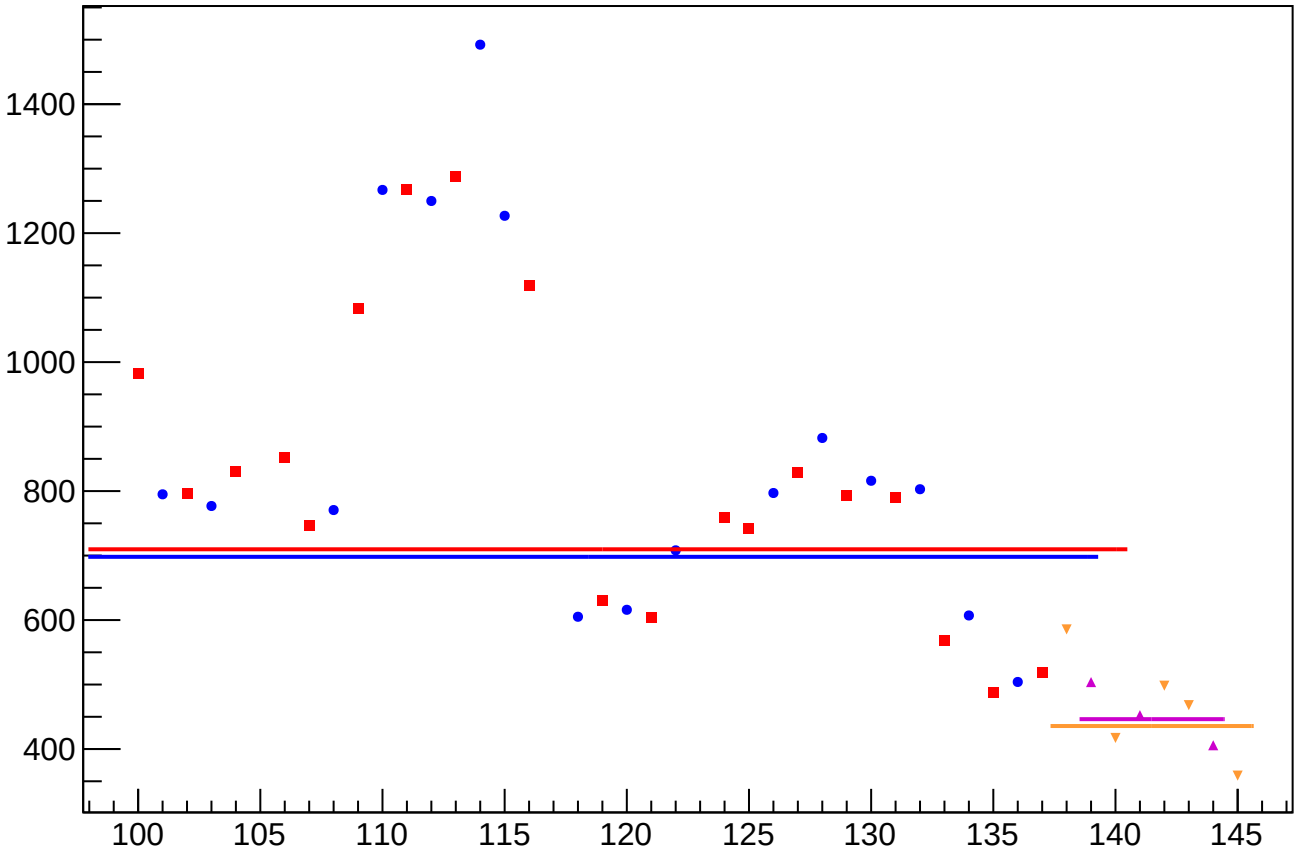
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 510.402+/-278.967 χ^2/NDF:1.9/2

+ sign 119.791+/-174.994 χ^2/NDF: 17.1/20

All: 253.737+/-130.037 χ^2/NDF: 35.2/42

- sign 418.905+/-194.321 χ^2/NDF: 16.8/21



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

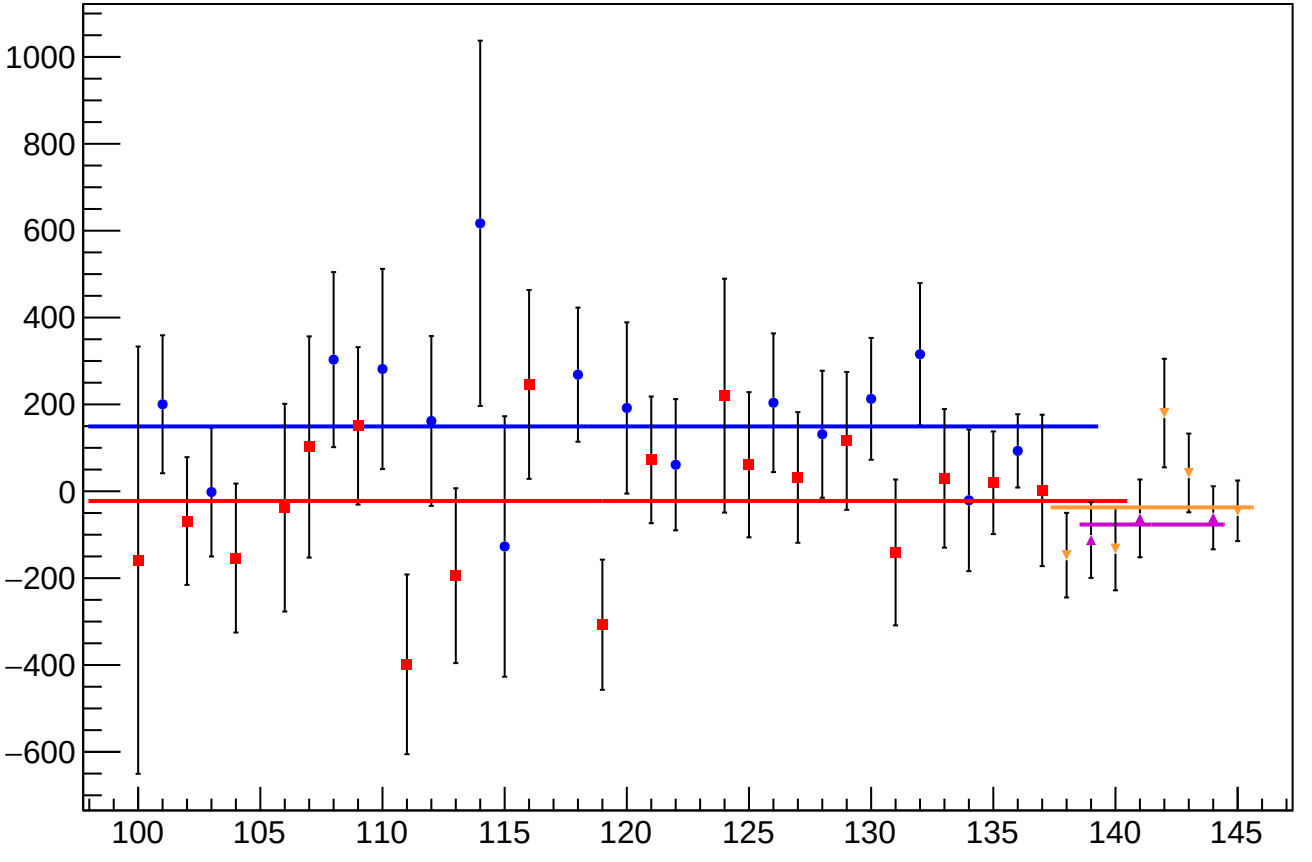
Left In: 446.331+/-0.197 χ^2/NDF:39164.4/2

\+ sign 547.036+/-0.124 χ^2/NDF: 2211342.4/20

All: 562.664+/-0.092 χ^2/NDF: 4231236.9/42

\- sign 581.935+/-0.137 χ^2/NDF: 1984273.4/21

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

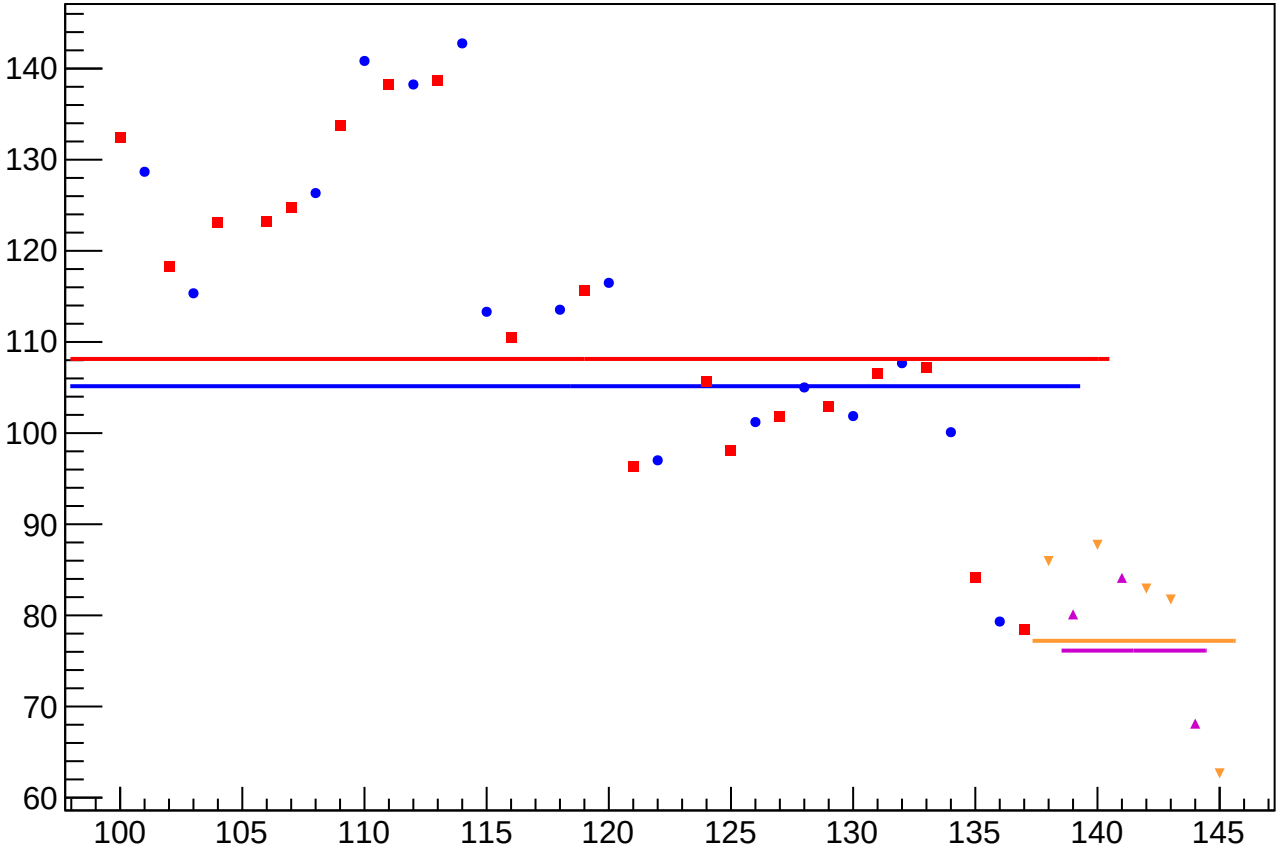
Left In: -76.555+/-47.341 χ^2/NDF:0.2/2

+ sign 58.316+/-28.393 χ^2/NDF: 24.8/20

All: 10.542+/-20.816 χ^2/NDF: 46.2/42

- sign -44.978+/-30.608 χ^2/NDF: 15.2/21

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

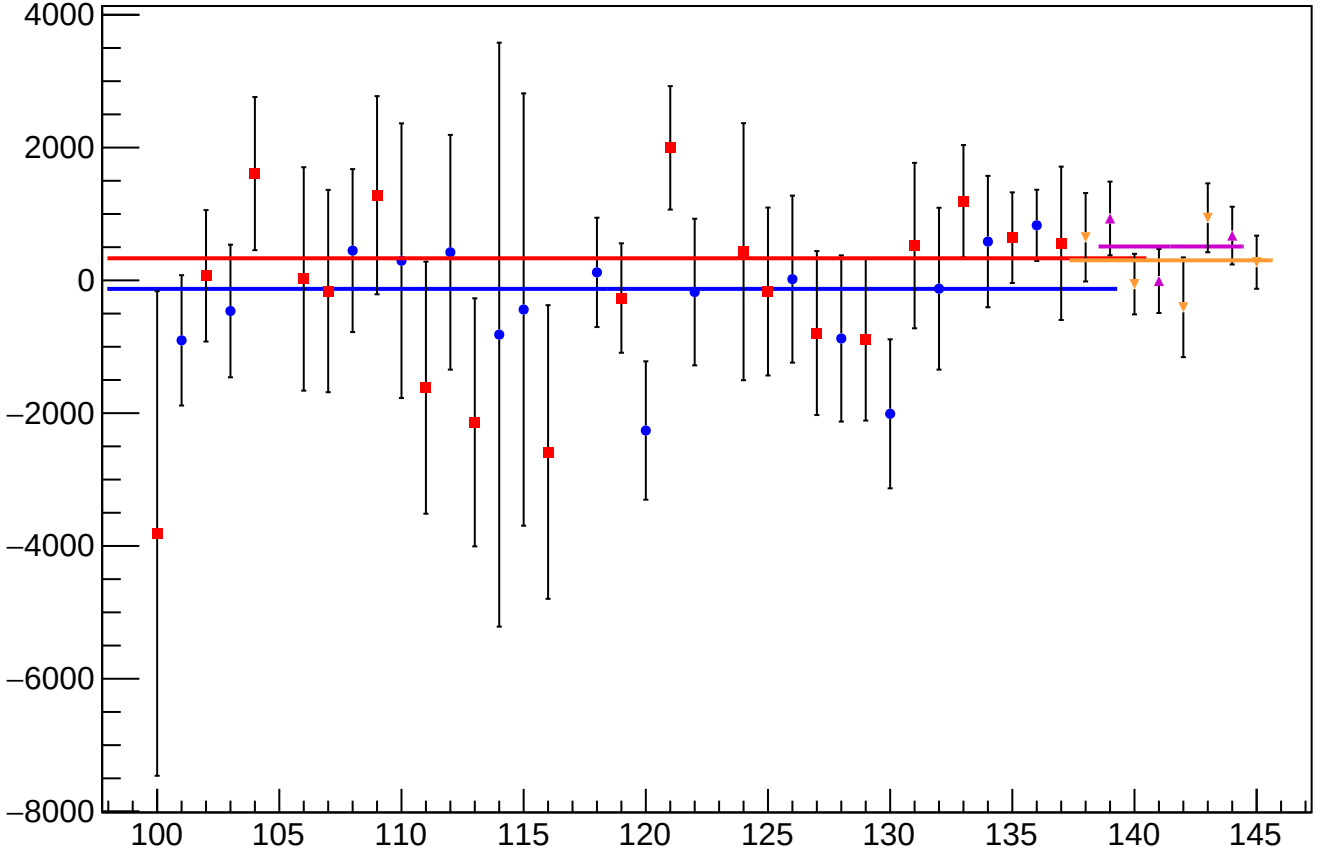
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 76.135+/-0.033 χ^2/NDF:44419.2/2

+ sign 91.508+/-0.020 χ^2/NDF: 1028654.1/20

All: 93.012+/-0.015 χ^2/NDF: 1963371.0/42

- sign 94.759+/-0.022 χ^2/NDF: 922586.6/21



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 302.540+/-230.658 χ^2/NDF:3.3/4

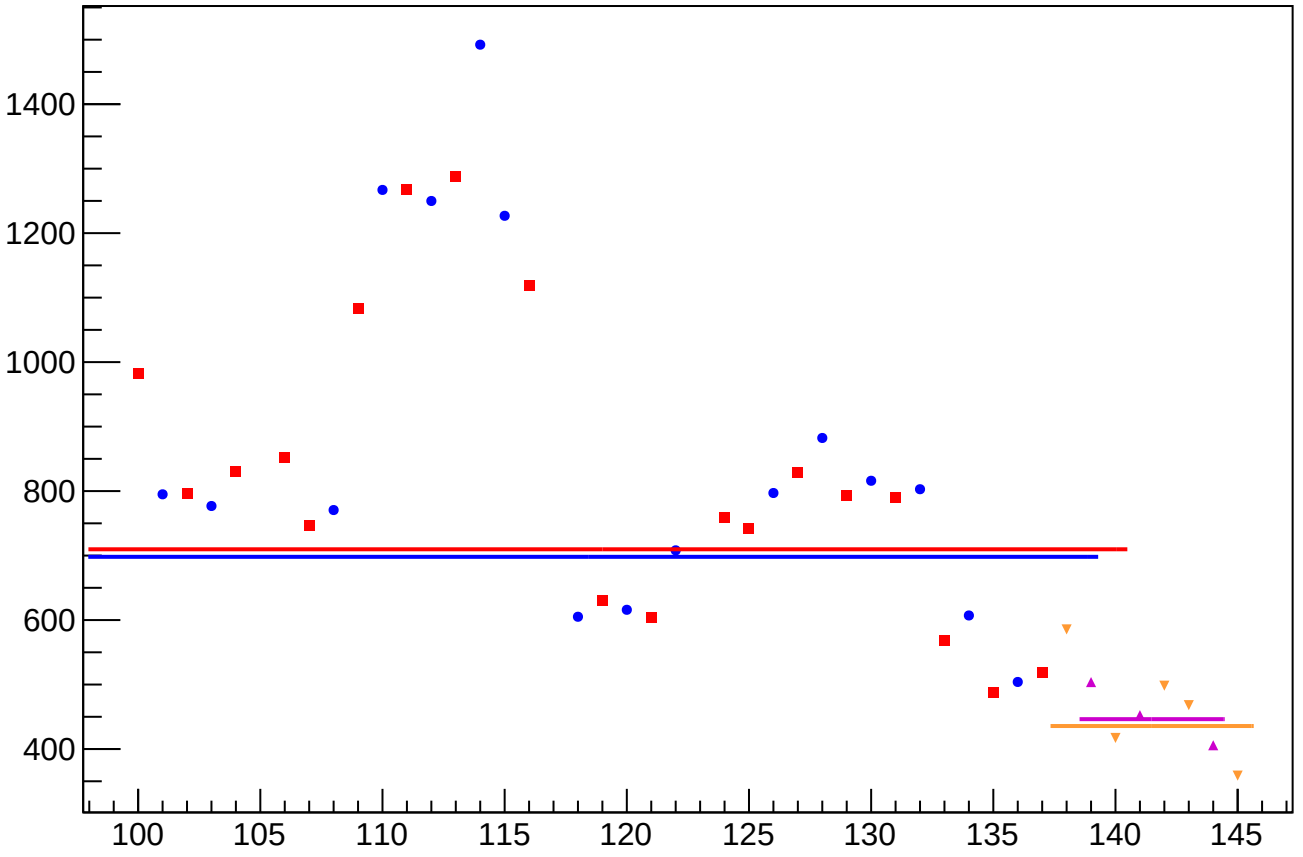
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 510.402+/-278.967 χ^2/NDF:1.9/2

+ sign 119.791+/-174.994 χ^2/NDF: 17.1/20

All: 253.737+/-130.037 χ^2/NDF: 35.2/42

- sign 418.905+/-194.321 χ^2/NDF: 16.8/21



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

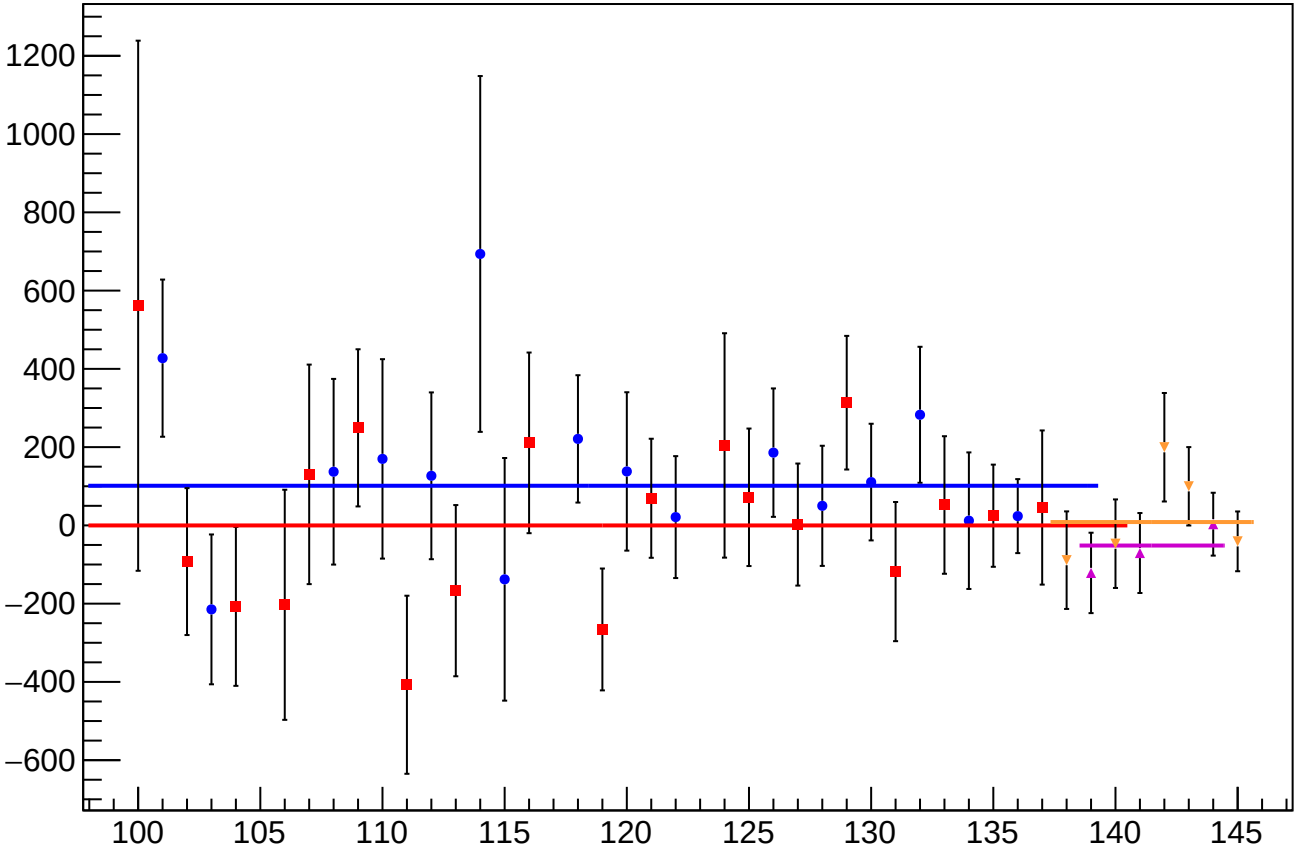
Left In: 446.331+/-0.197 χ^2/NDF:39164.4/2

+ sign 547.036+/-0.124 χ^2/NDF: 2211342.4/20

All: 562.664+/-0.092 χ^2/NDF: 4231236.9/42

- sign 581.935+/-0.137 χ^2/NDF: 1984273.4/21

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

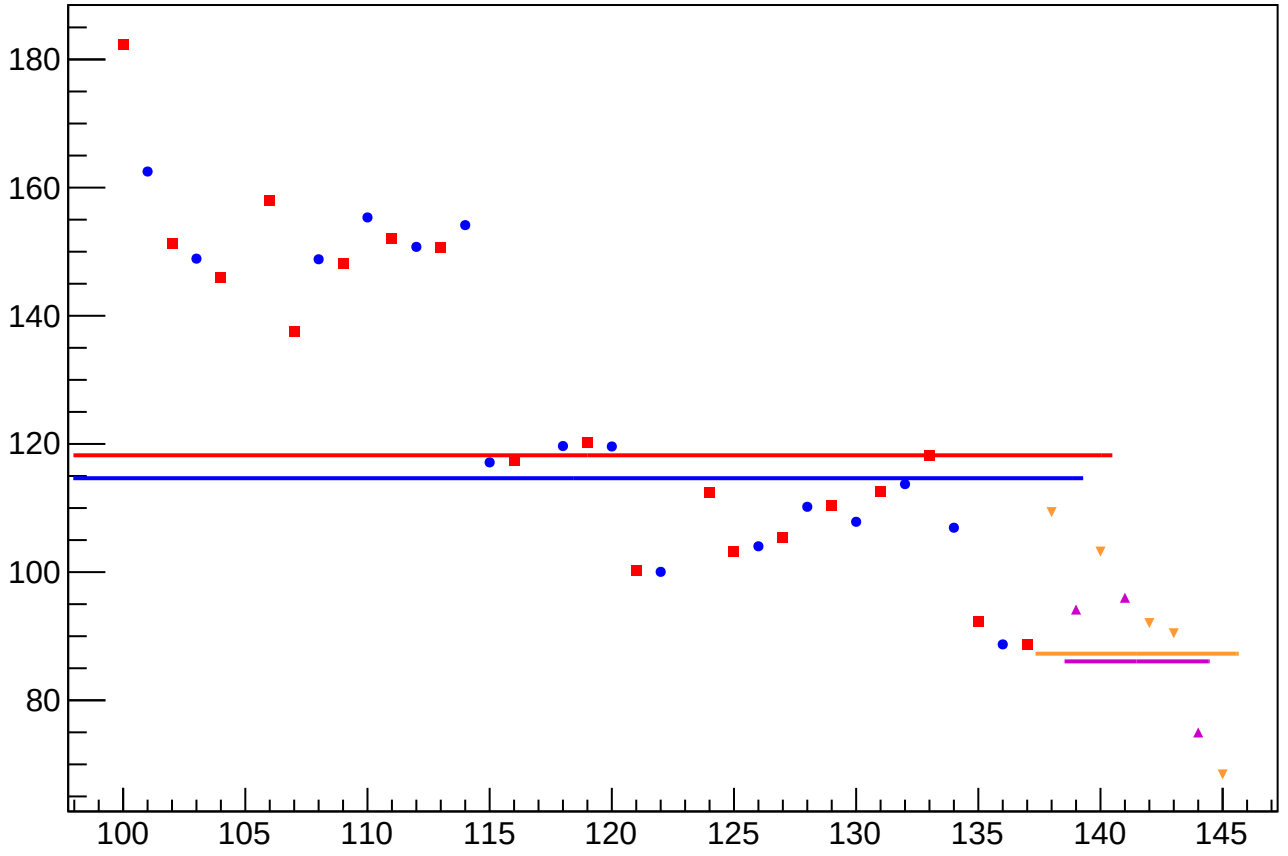
Left In: -51.498+/-53.797 χ^2/NDF:1.0/2

+ sign 57.844+/-31.722 χ^2/NDF: 17.1/20

All: 21.361+/-23.218 χ^2/NDF: 38.1/42

- sign -20.736+/-34.075 χ^2/NDF: 18.1/21

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

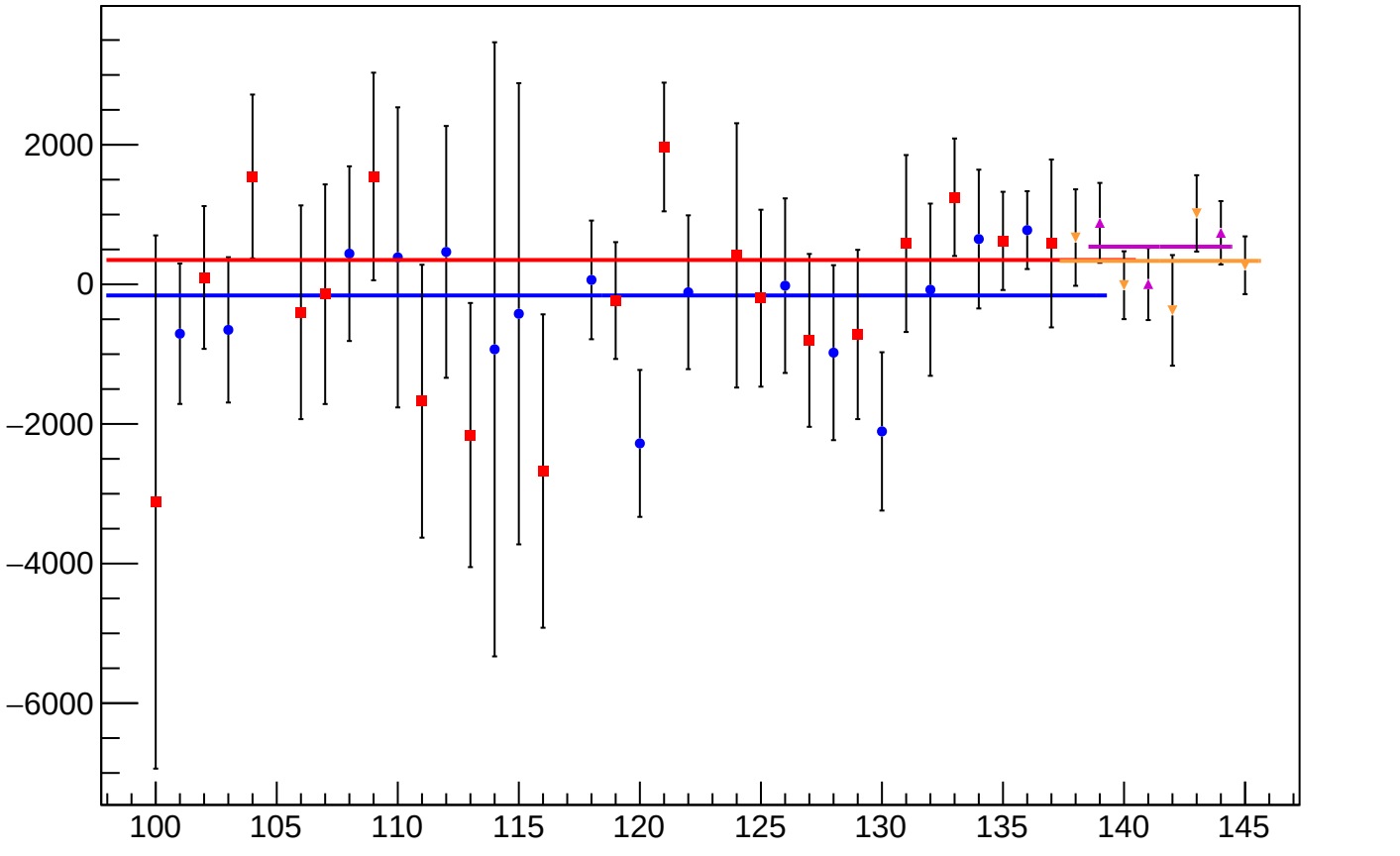
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 86.071+/-0.038 χ^2/NDF:69399.3/2

+ sign 101.828+/-0.022 χ^2/NDF: 1131496.9/20

All: 103.453+/-0.016 χ^2/NDF: 2123566.9/42

- sign 105.328+/-0.024 χ^2/NDF: 980765.5/21



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

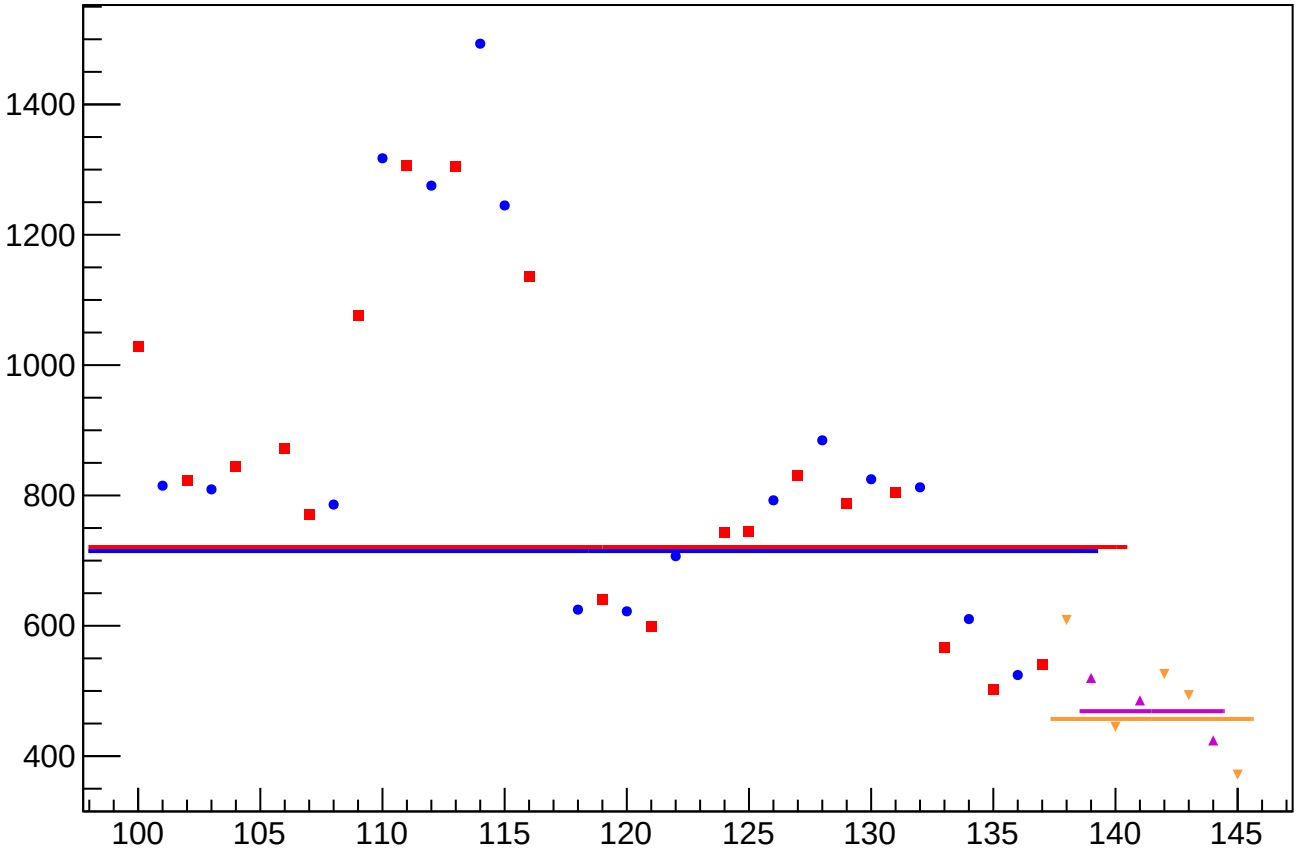
Left In: 539.669+/-293.006 χ^2/NDF:1.6/2

\+ sign 120.007+/-181.467 χ^2/NDF: 16.9/20

All: 263.414+/-134.383 χ^2/NDF: 34.5/42

\- sign 437.558+/-199.971 χ^2/NDF: 16.2/21

asym_sam_26_48_dd_dit_correction_rms vs Slug



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

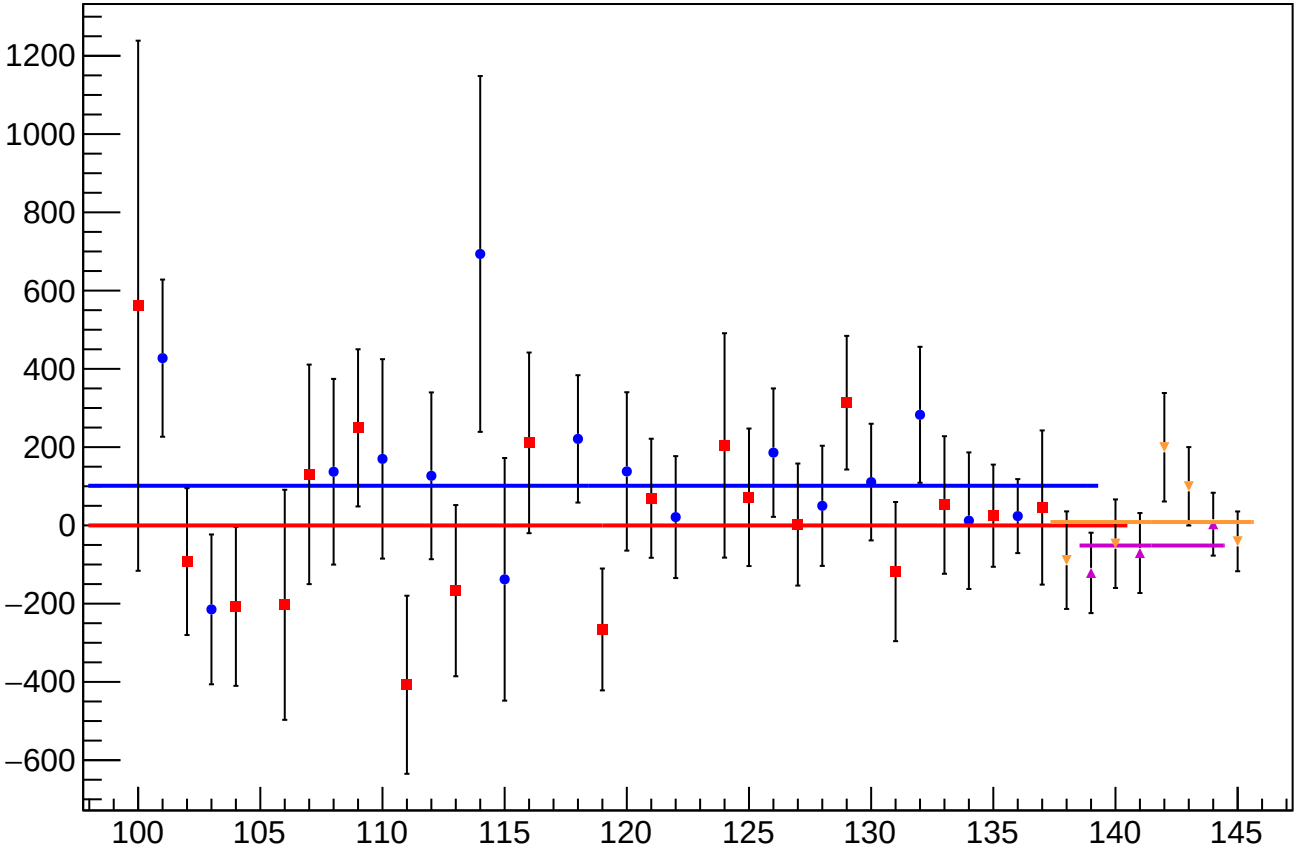
Left In: 469.008+/-0.207 χ^2/NDF:37501.2/2

\+ sign 569.589+/-0.128 χ^2/NDF: 2074867.3/20

All: 584.933+/-0.095 χ^2/NDF: 3951999.7/42

\- sign 603.565+/-0.141 χ^2/NDF: 1845471.2/21

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

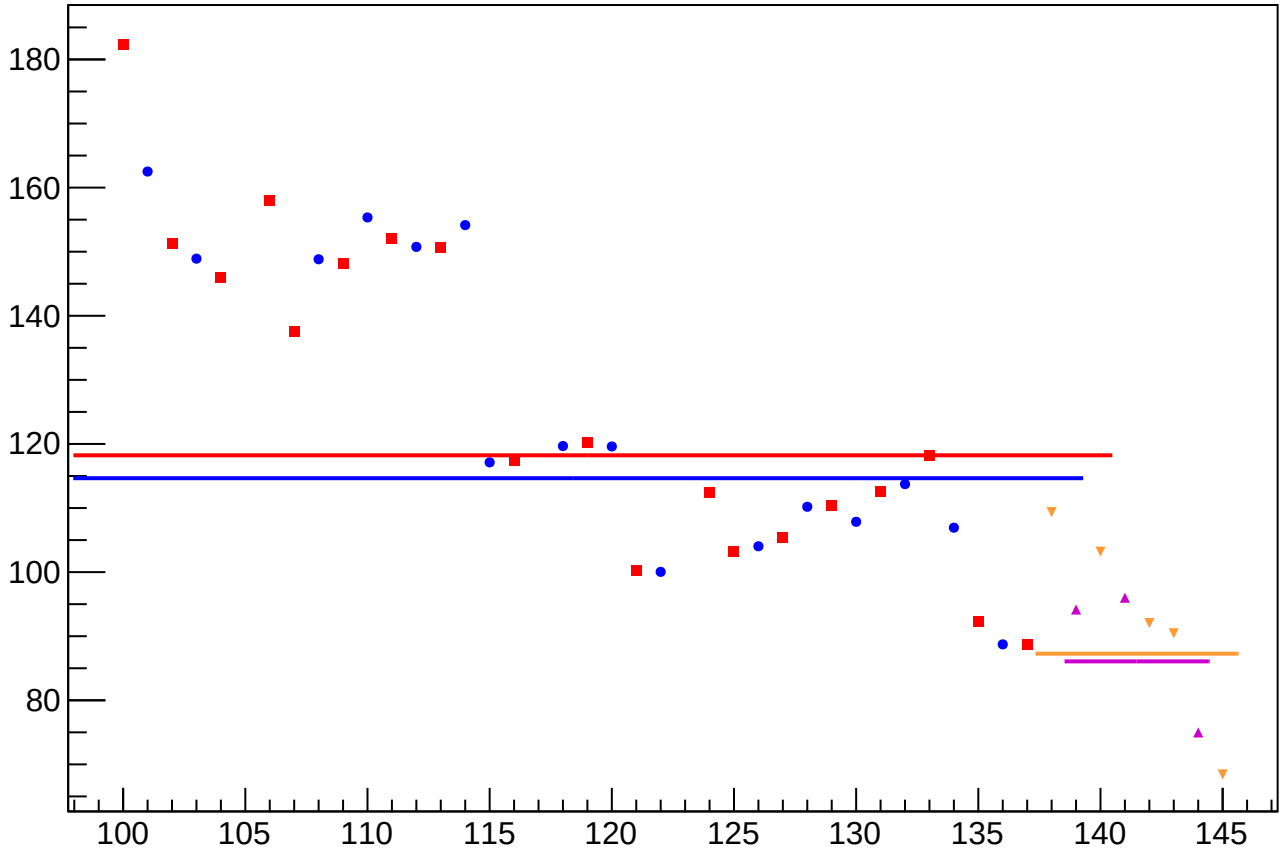
Left In: -51.497+/-53.797 χ^2/NDF:1.0/2

+ sign 57.842+/-31.722 χ^2/NDF: 17.1/20

All: 21.360+/-23.218 χ^2/NDF: 38.1/42

- sign -20.735+/-34.075 χ^2/NDF: 18.1/21

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

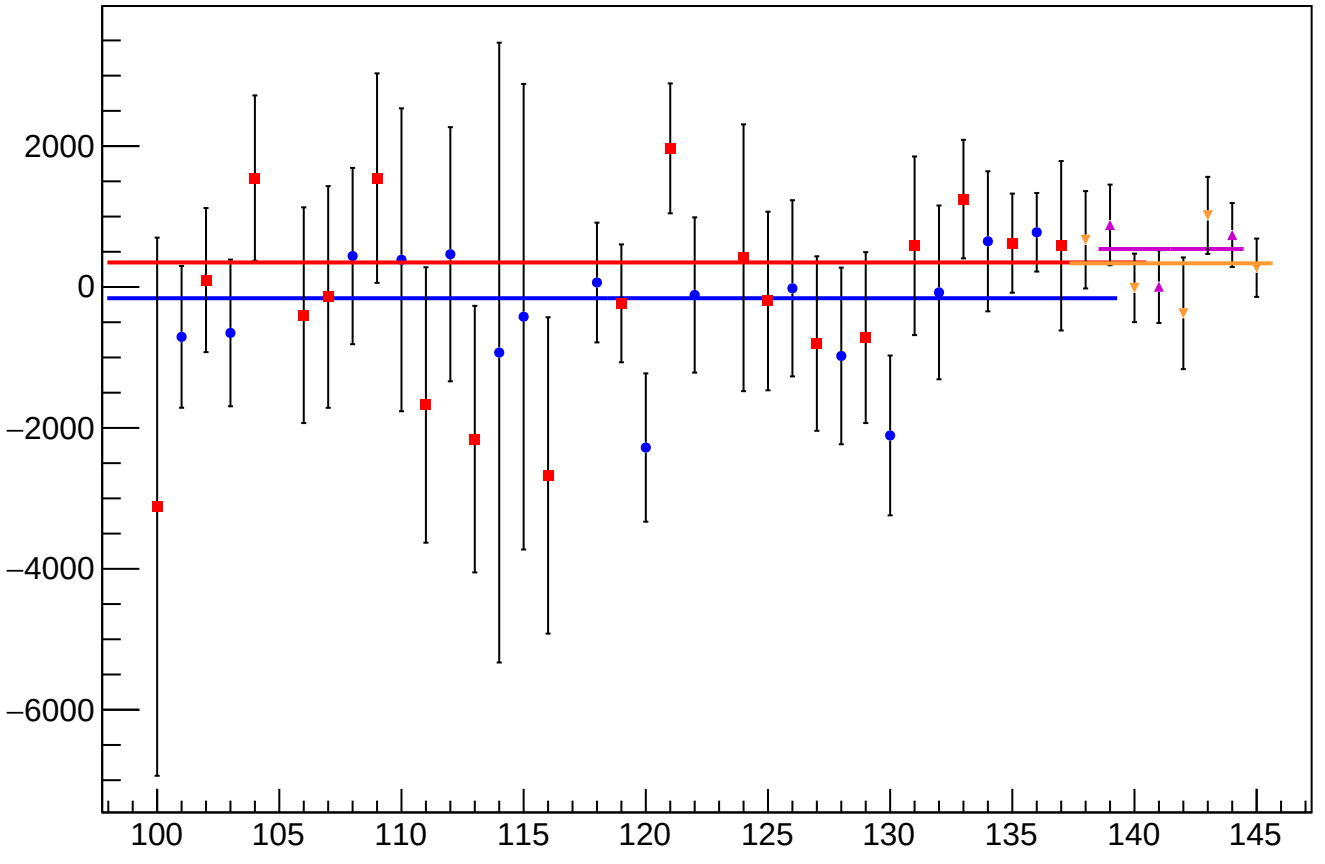
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 86.072+/-0.038 χ^2/NDF:69399.9/2

+ sign 101.828+/-0.022 χ^2/NDF: 1131492.1/20

All: 103.453+/-0.016 χ^2/NDF: 2123553.1/42

- sign 105.328+/-0.024 χ^2/NDF: 980756.7/21



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 336.522+/-241.816 χ^2/NDF:3.1/4

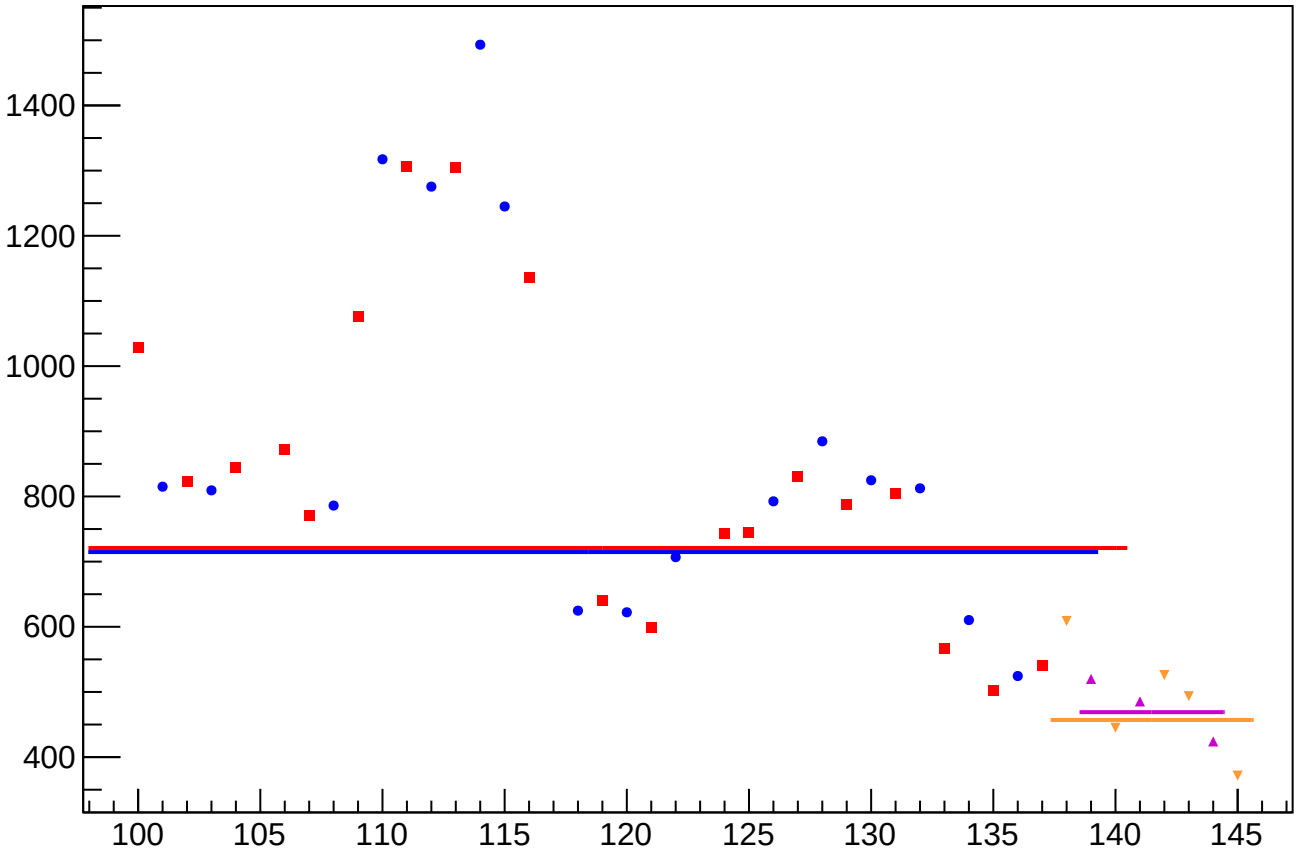
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 539.669+/-293.007 χ^2/NDF:1.6/2

\+ sign 120.006+/-181.467 χ^2/NDF: 16.9/20

All: 263.413+/-134.383 χ^2/NDF: 34.5/42

\- sign 437.558+/-199.971 χ^2/NDF: 16.2/21



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

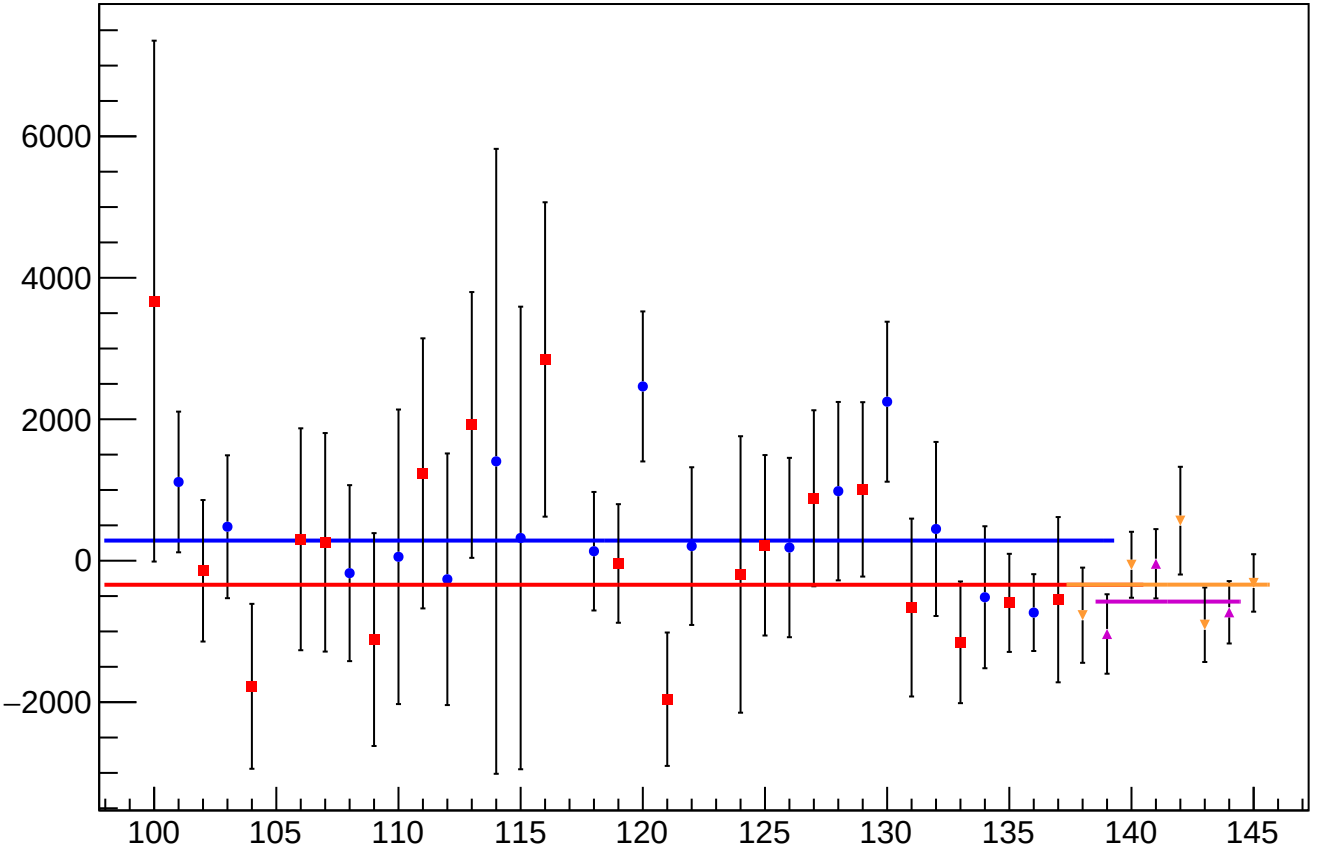
Left In: 469.008+/-0.207 χ^2/NDF:37501.7/2

+ sign 569.589+/-0.128 χ^2/NDF: 2074866.5/20

All: 584.933+/-0.095 χ^2/NDF: 3951989.8/42

- sign 603.565+/-0.141 χ^2/NDF: 1845461.9/21

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

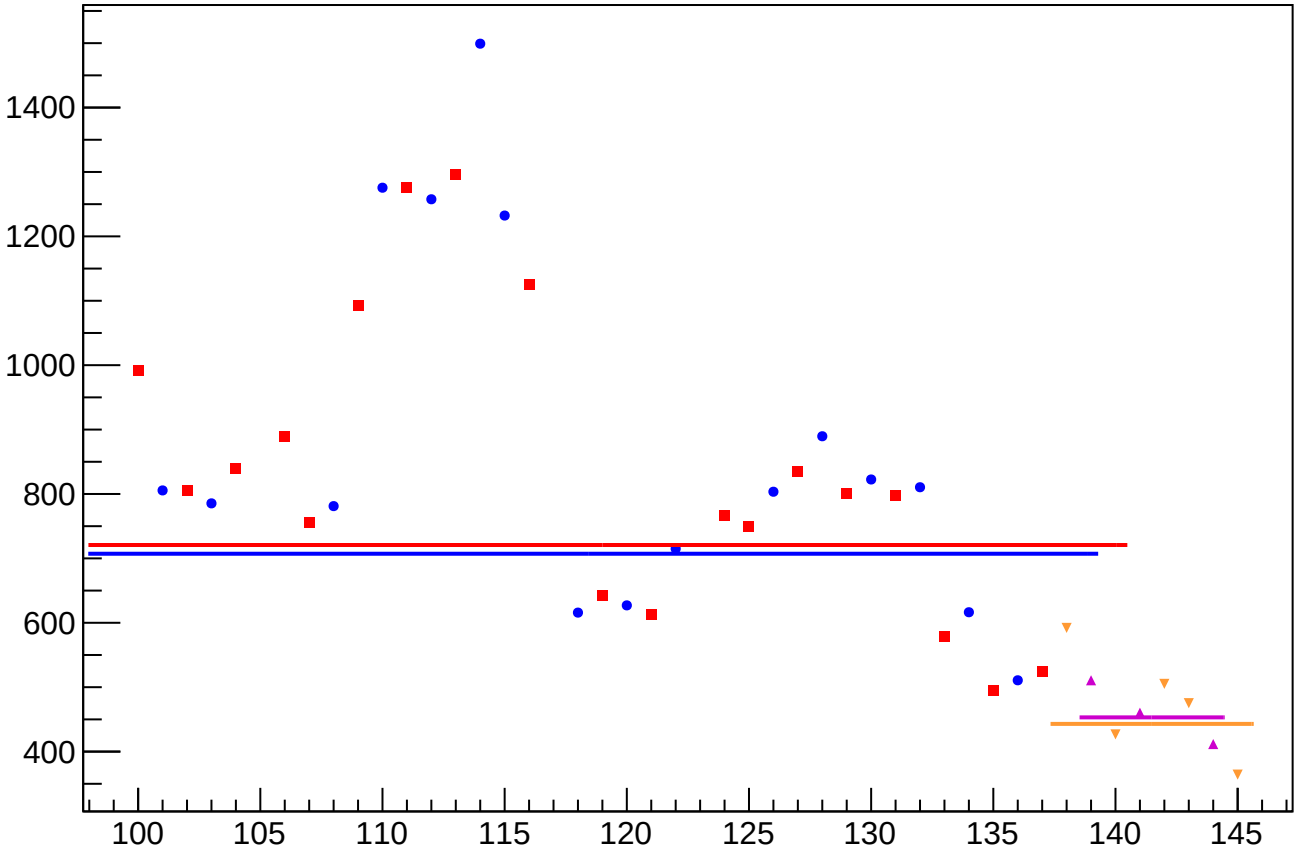
Left In: -578.170+/-283.139 χ^2/NDF:2.0/2

+ sign -72.681+/-177.572 χ^2/NDF: 19.2/20

All: -244.310+/-131.823 χ^2/NDF: 37.6/42

- sign -455.016+/-196.751 χ^2/NDF: 16.4/21

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

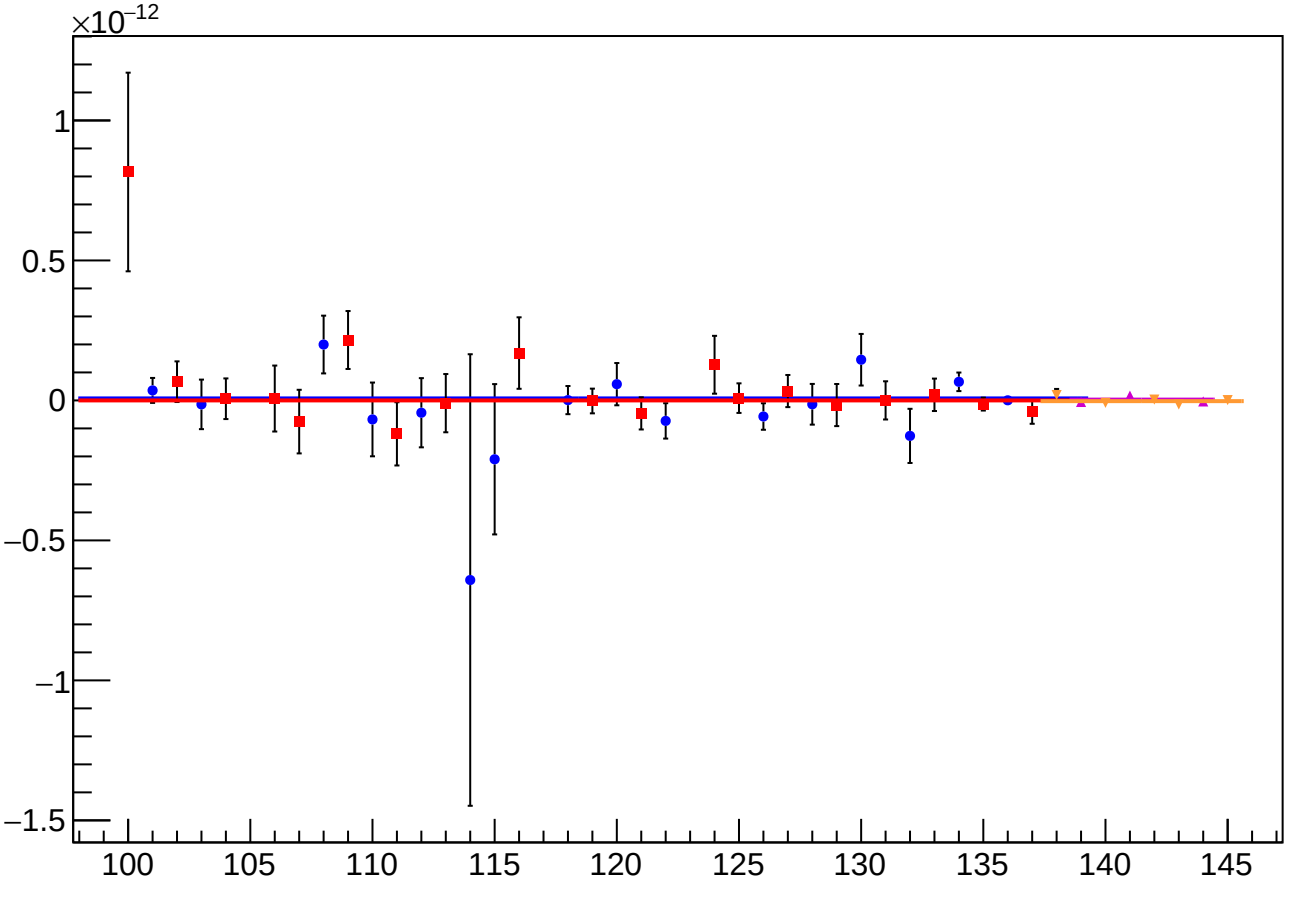
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 453.128+/-0.200 χ^2/NDF:39123.4/2

+ sign 555.657+/-0.126 χ^2/NDF: 2176010.6/20

All: 571.763+/-0.093 χ^2/NDF: 4191255.1/42

- sign 591.537+/-0.139 χ^2/NDF: 1978589.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/4

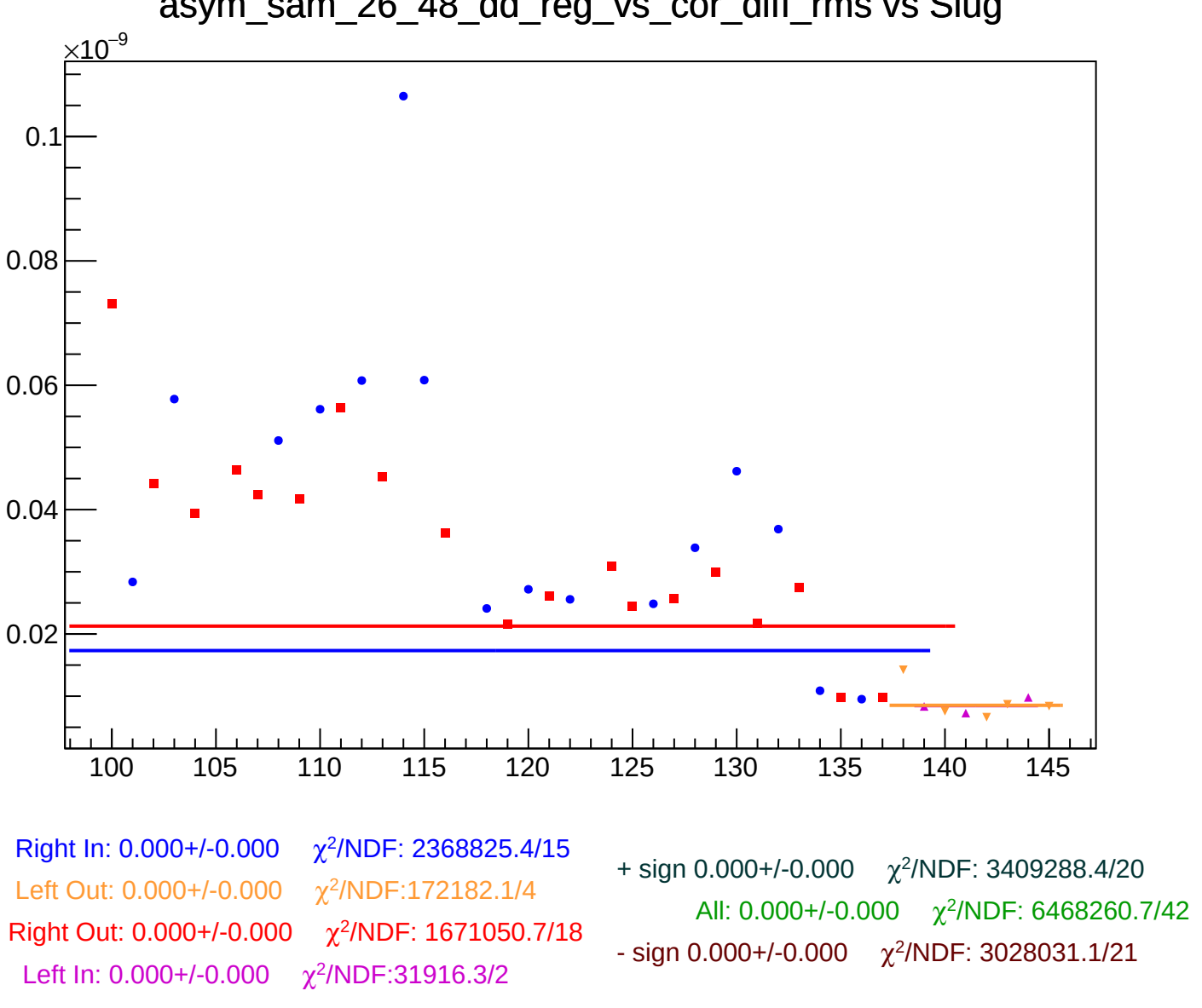
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/2

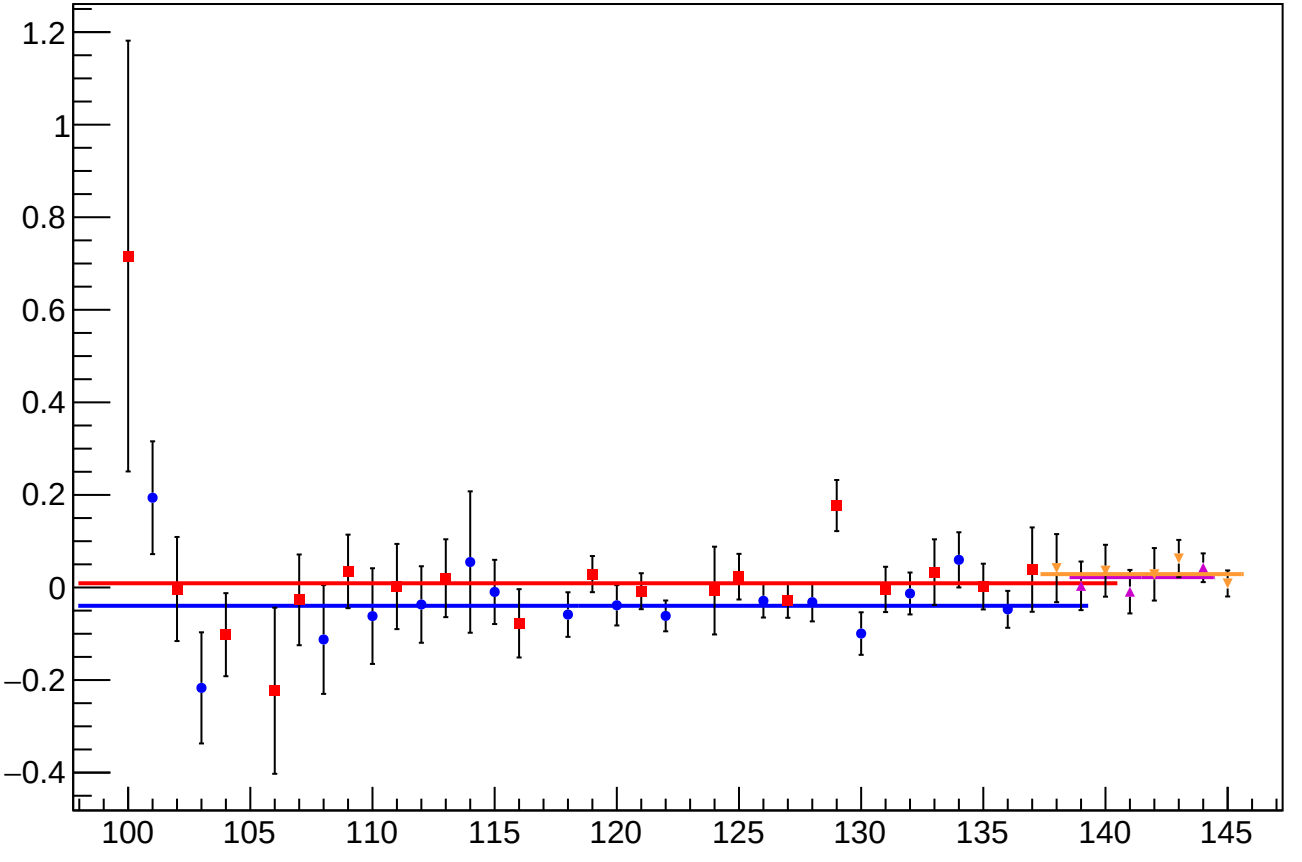
+ sign -0.000+/-0.000 χ^2/NDF: 19.9/20

All: 0.000+/-0.000 χ^2/NDF: 39.3/42

- sign 0.000+/-0.000 χ^2/NDF: 19.4/21


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
105
110
115
120
125
130
135
140
145
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:31916.3/2
+ sign 0.000+/-0.000 χ²/NDF: 3409288.4/20
All: 0.000+/-0.000 χ²/NDF: 6468260.7/42
- sign 0.000+/-0.000 χ²/NDF: 3028031.1/21

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

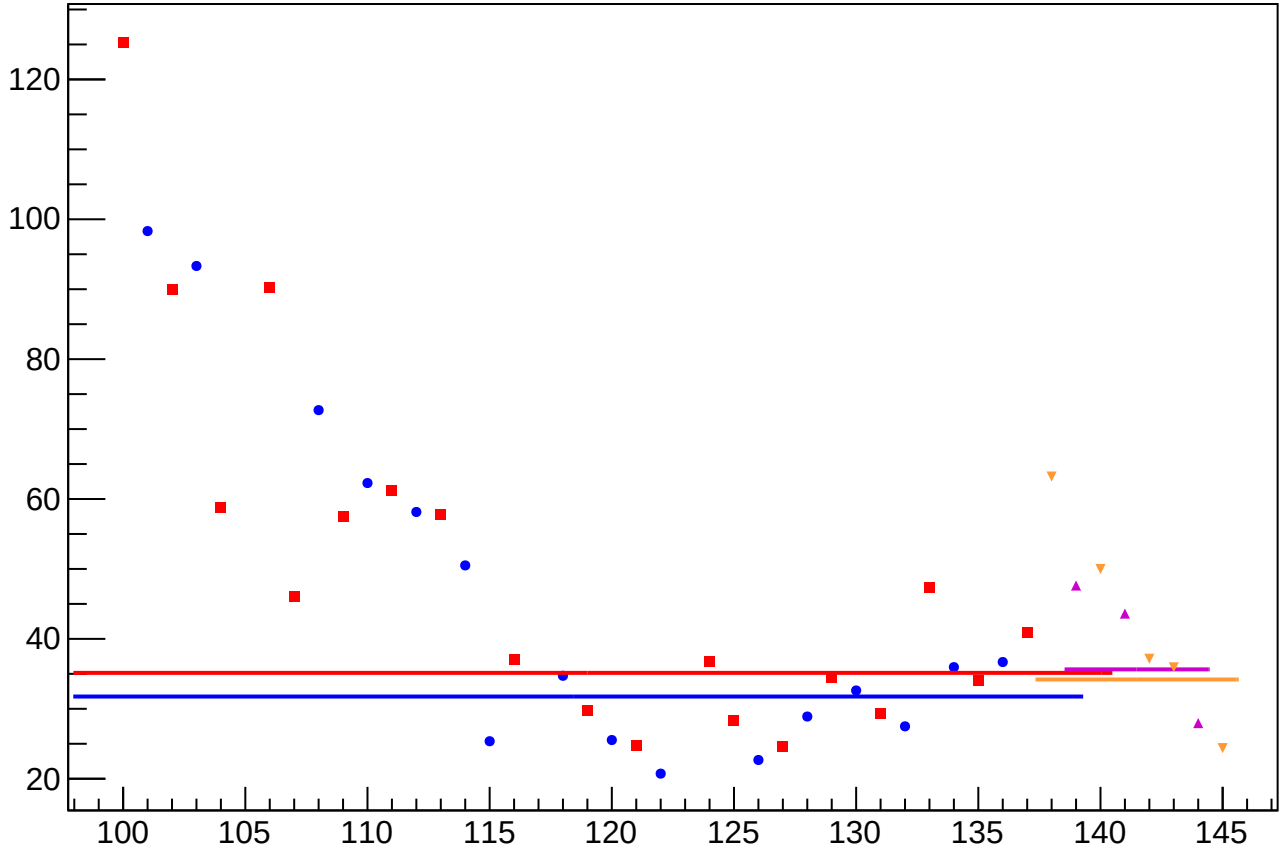
Left In: 0.022+/-0.023 χ^2/NDF:1.0/2

+ sign -0.018+/-0.011 χ^2/NDF: 22.3/20

All: -0.004+/-0.008 χ^2/NDF: 45.3/42

- sign 0.013+/-0.012 χ^2/NDF: 19.5/21

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

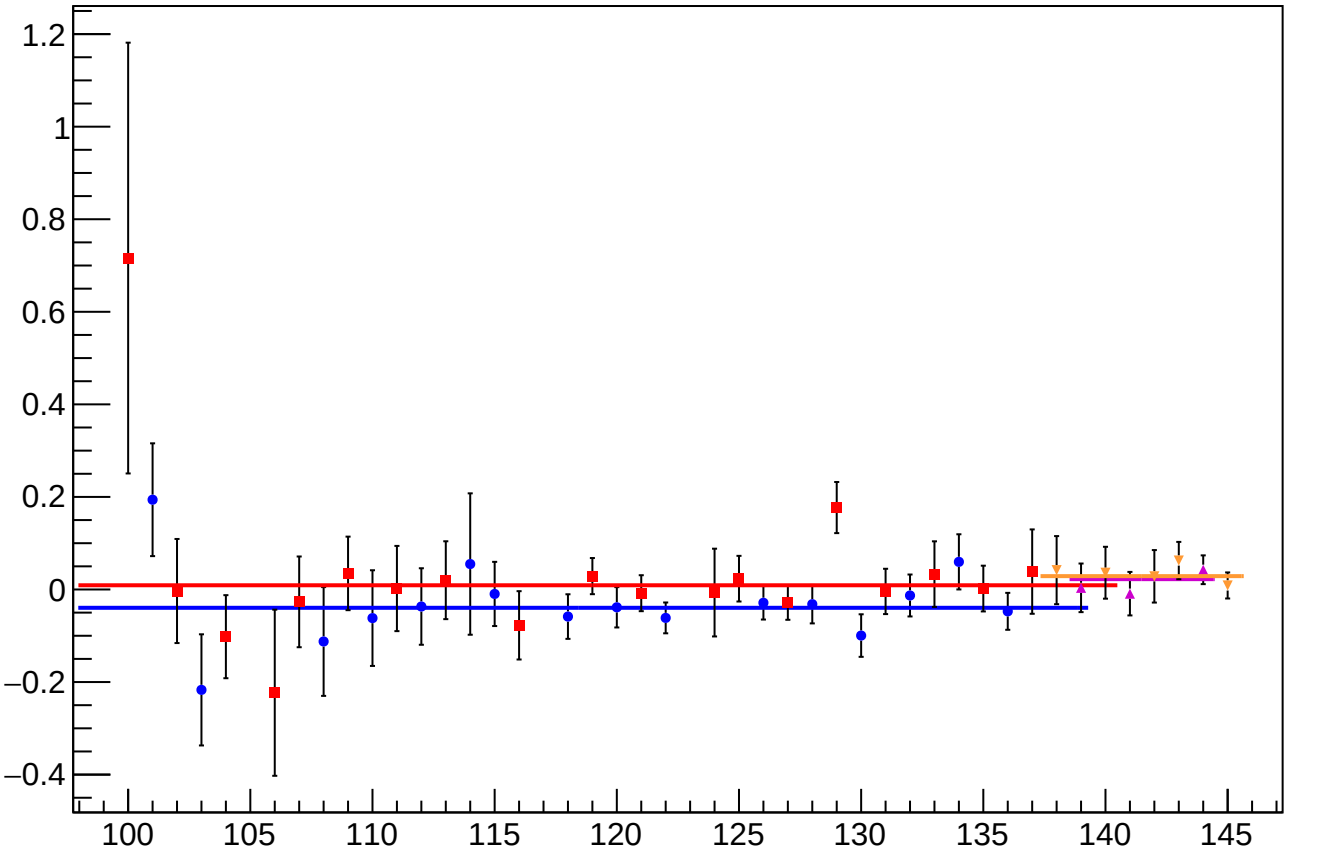
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.637+/-0.016 χ^2/NDF:284135.4/2

+ sign 32.530+/-0.008 χ^2/NDF: 2996276.2/20

All: 33.756+/-0.006 χ^2/NDF: 5182723.4/42

- sign 35.274+/-0.009 χ^2/NDF: 2129479.0/21



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

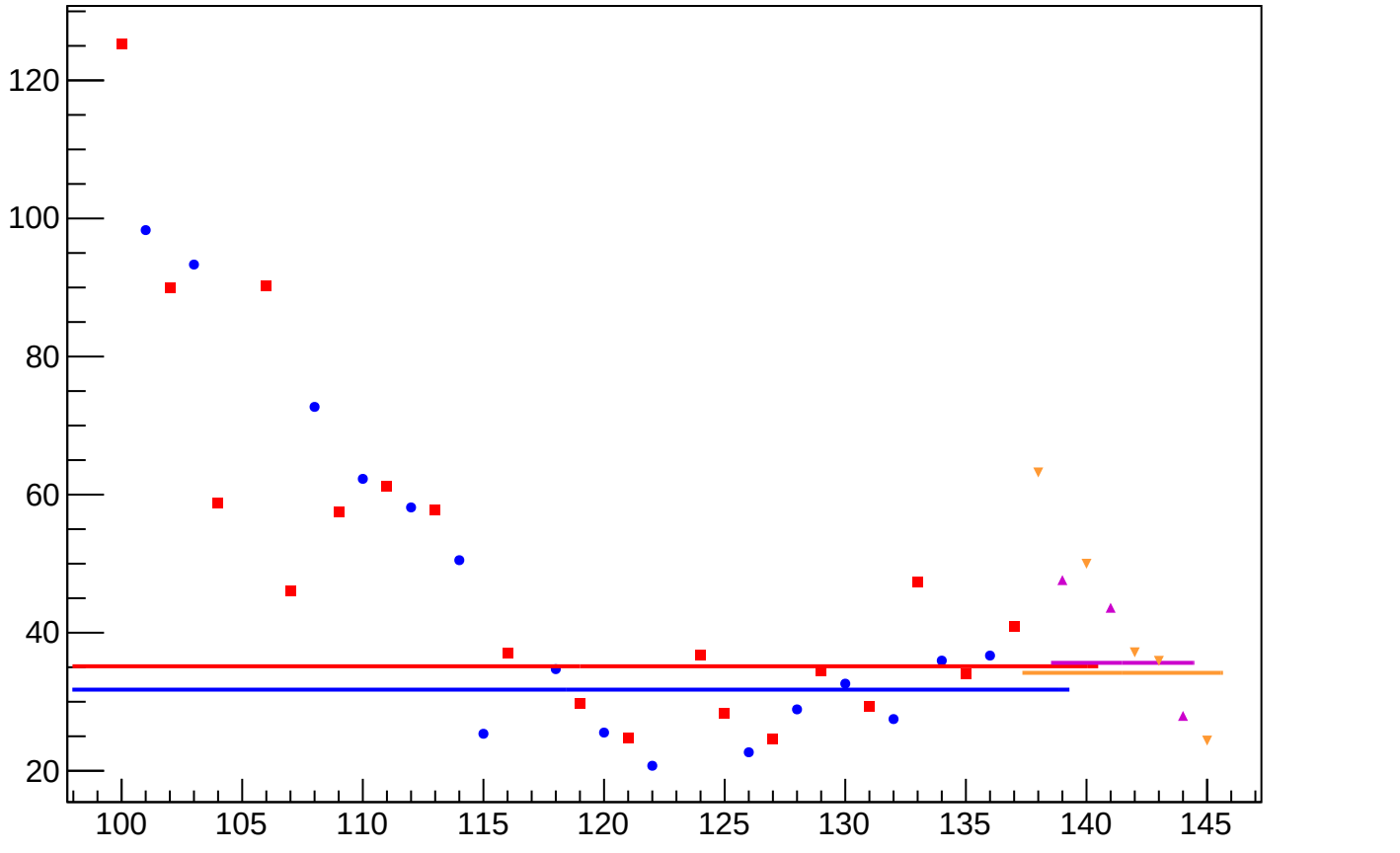
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.023 χ^2/NDF:1.0/2

+ sign -0.018+/-0.011 χ^2/NDF: 22.3/20

All: -0.004+/-0.008 χ^2/NDF: 45.3/42

- sign 0.013+/-0.012 χ^2/NDF: 19.5/21



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 34.189+/-0.014 χ^2/NDF:722124.3/4

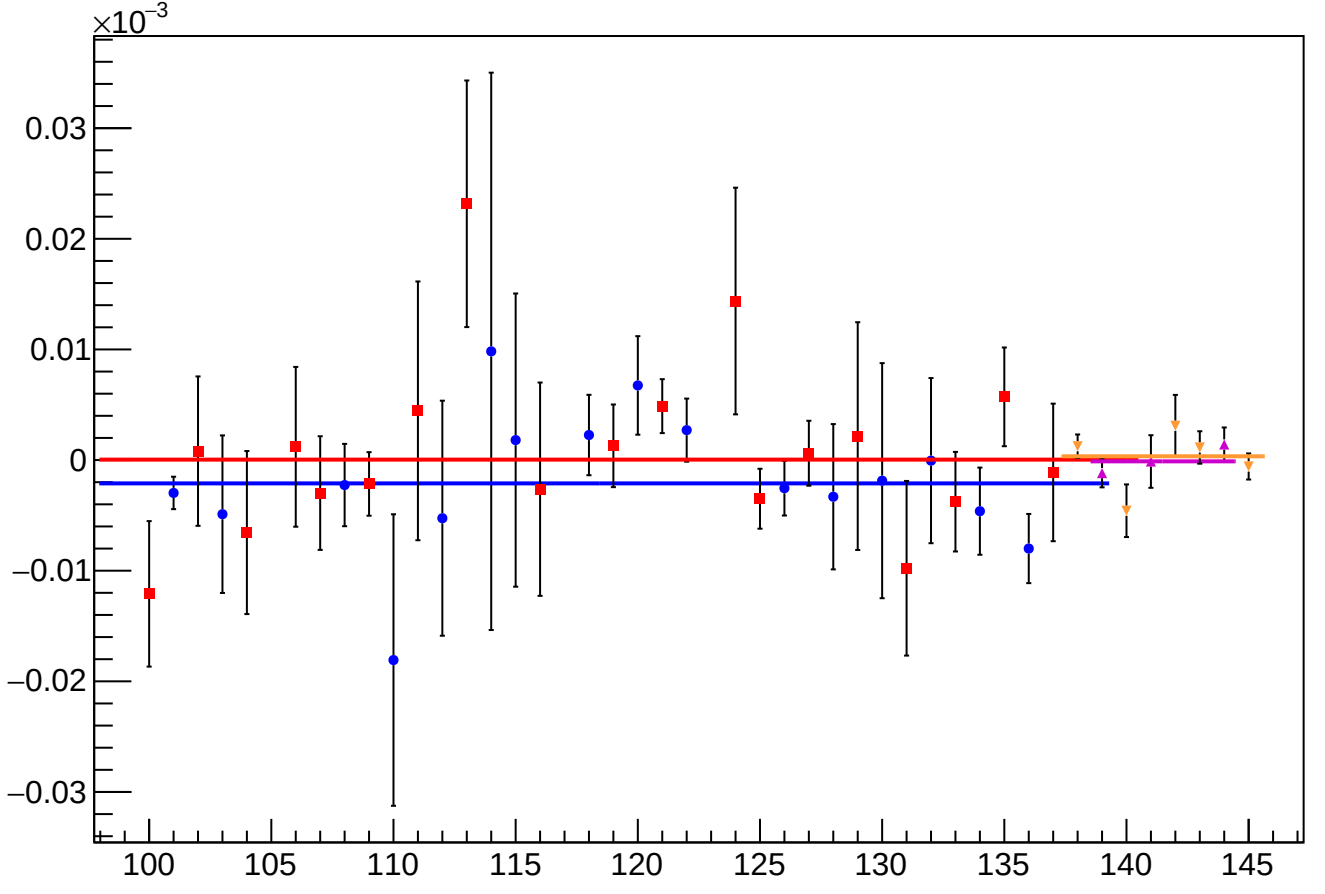
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.637+/-0.016 χ^2/NDF:284135.4/2

+ sign 32.530+/-0.008 χ^2/NDF: 2996276.2/20

All: 33.756+/-0.006 χ^2/NDF: 5182723.4/42

- sign 35.274+/-0.009 χ^2/NDF: 2129479.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/4

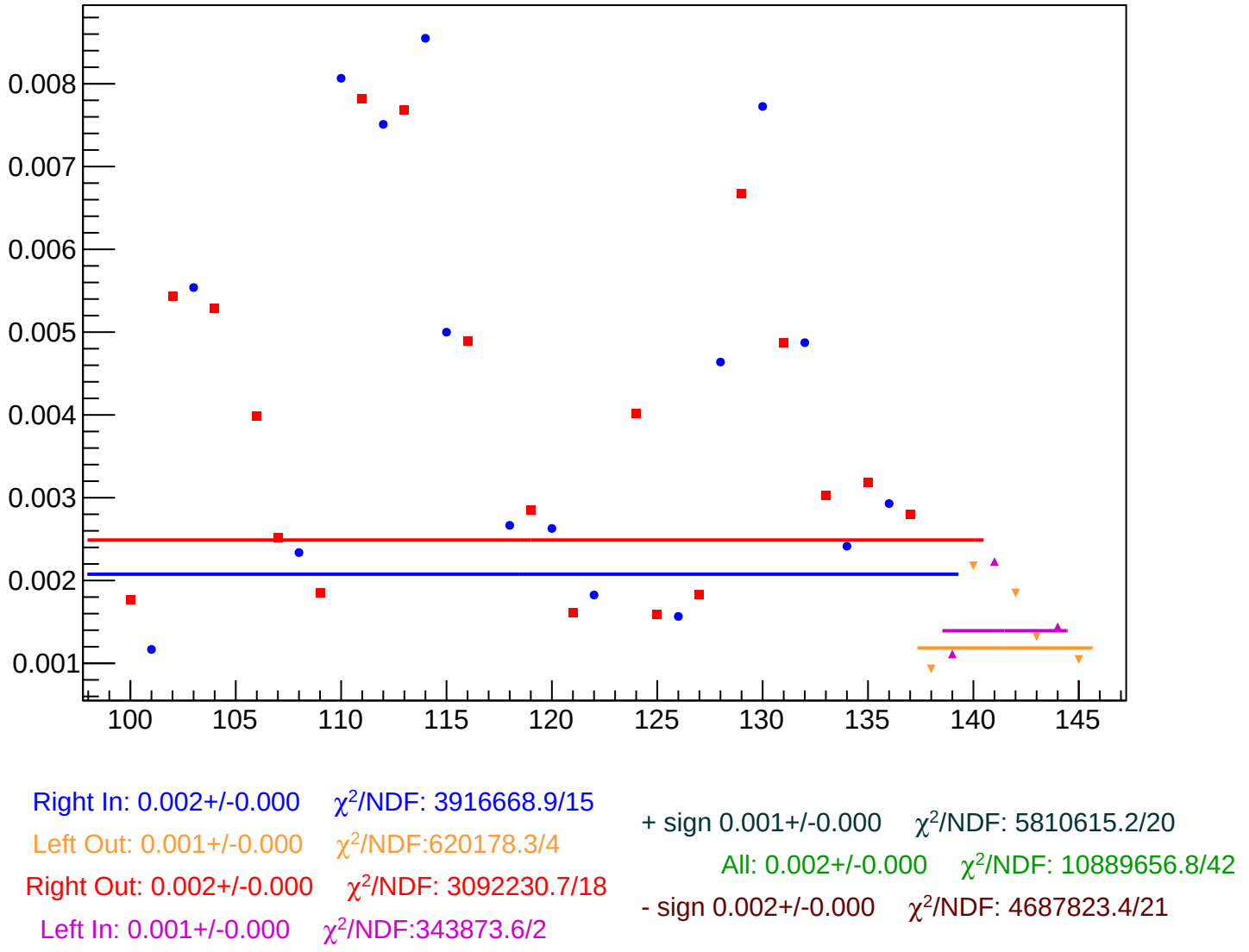
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

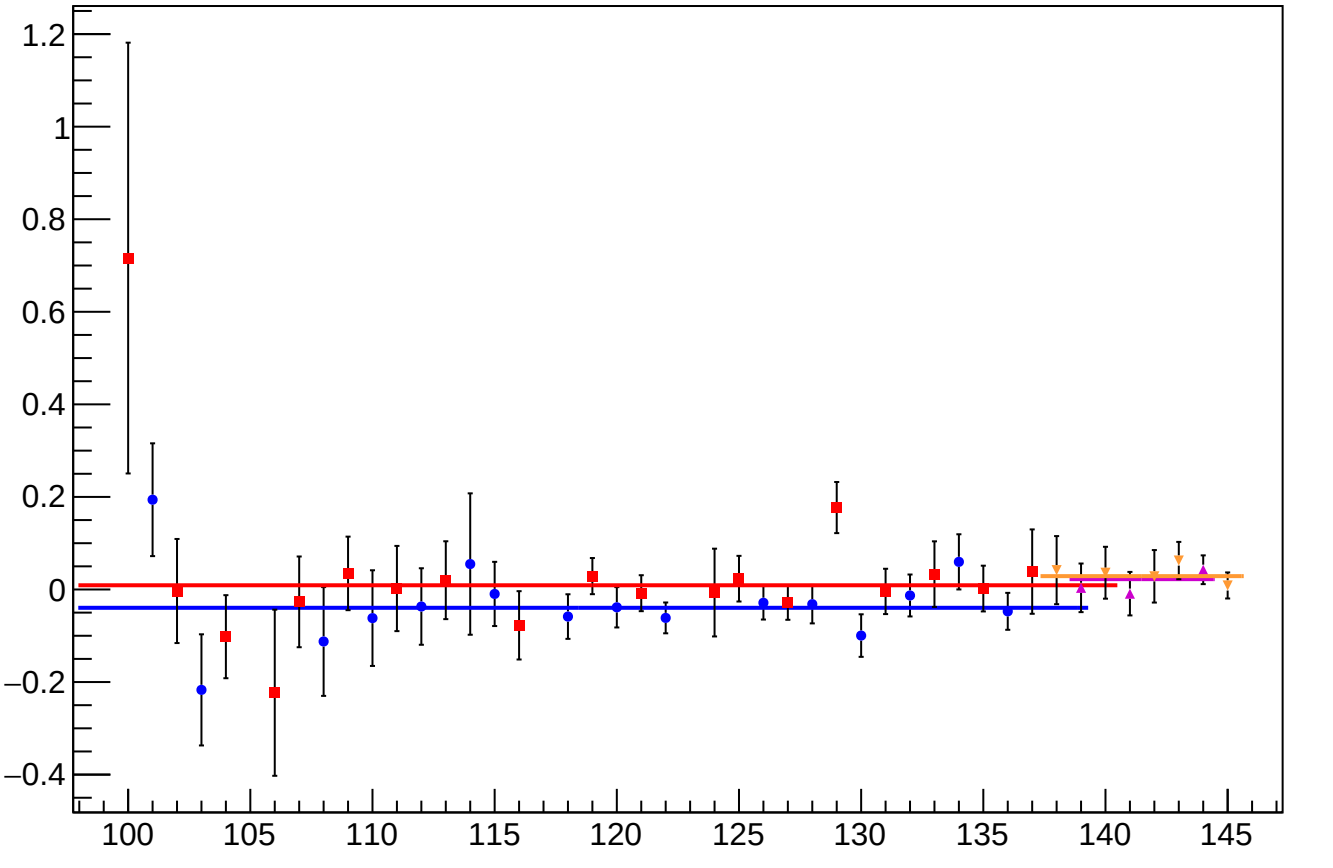
Left In: -0.000+/-0.000 χ^2/NDF:1.7/2

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/20

All: -0.000+/-0.000 χ^2/NDF: 49.7/42

- sign -0.000+/-0.000 χ^2/NDF: 23.1/21


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
105
110
115
120
125
130
135
140
145
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:343873.6/2
+ sign 0.001+/-0.000 χ²/NDF: 5810615.2/20
All: 0.002+/-0.000 χ²/NDF: 10889656.8/42
- sign 0.002+/-0.000 χ²/NDF: 4687823.4/21



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

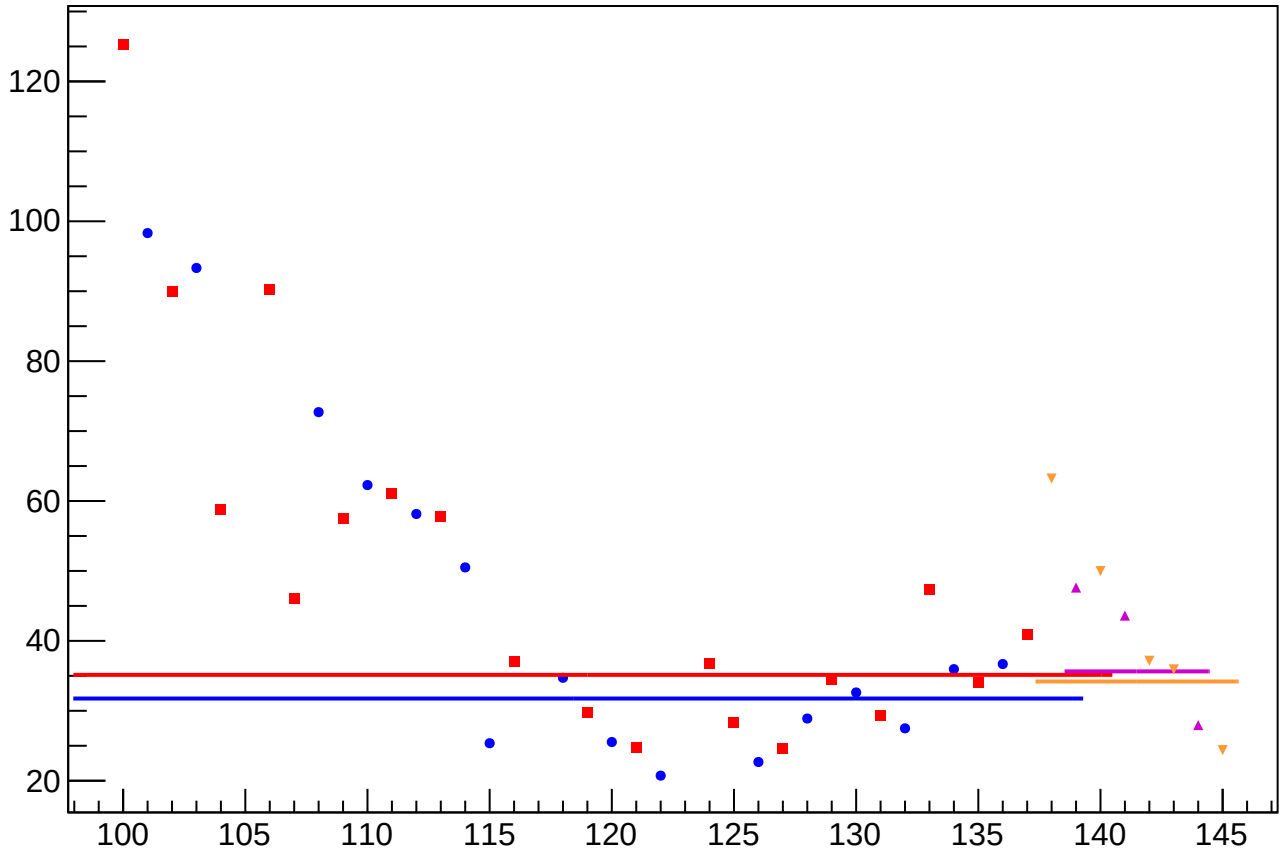
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.023 χ^2/NDF:1.0/2

+ sign -0.018+/-0.011 χ^2/NDF: 22.3/20

All: -0.004+/-0.008 χ^2/NDF: 45.3/42

- sign 0.013+/-0.012 χ^2/NDF: 19.5/21



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 34.189+/-0.014 χ^2/NDF:722164.0/4

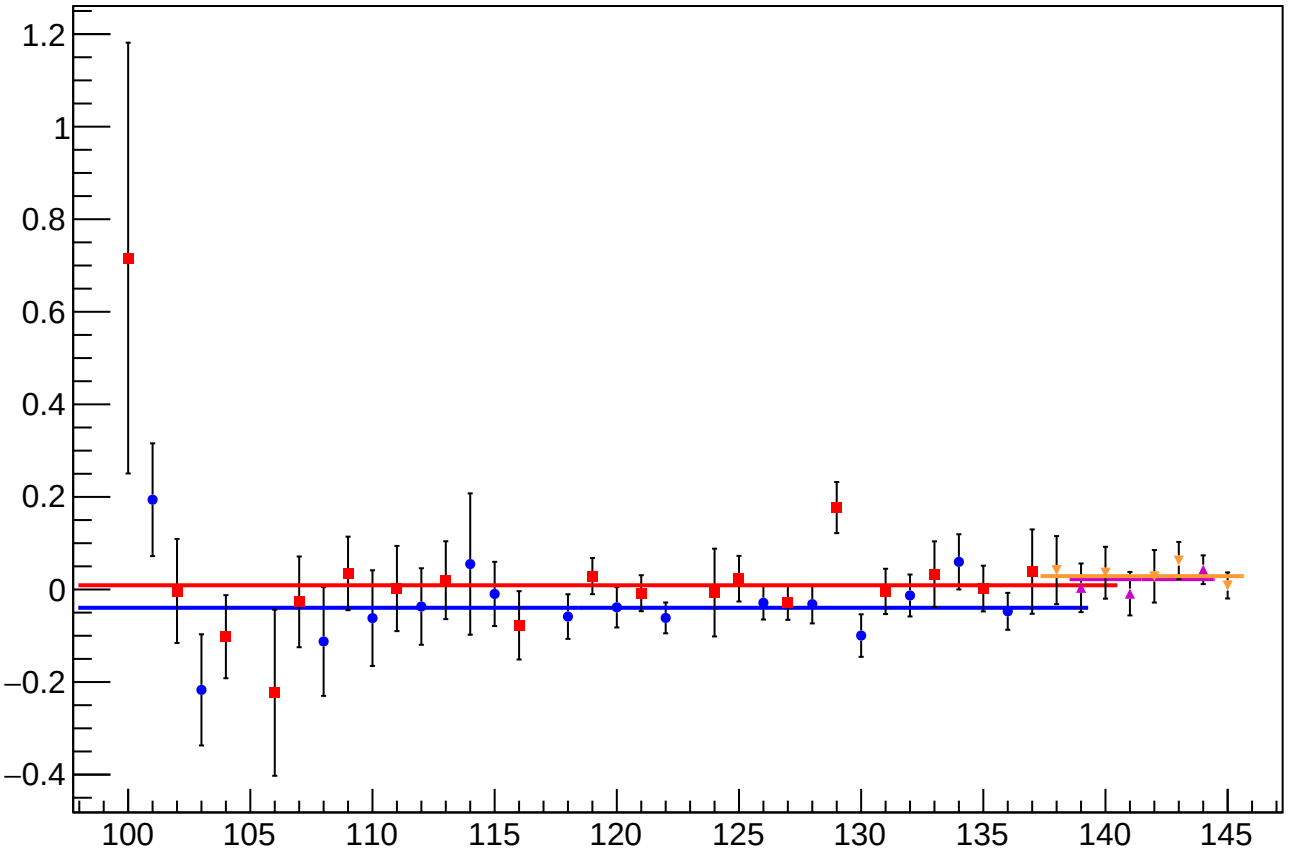
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.637+/-0.016 χ^2/NDF:284145.4/2

+ sign 32.530+/-0.008 χ^2/NDF: 2996279.9/20

All: 33.756+/-0.006 χ^2/NDF: 5182637.7/42

- sign 35.275+/-0.009 χ^2/NDF: 2129383.9/21



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

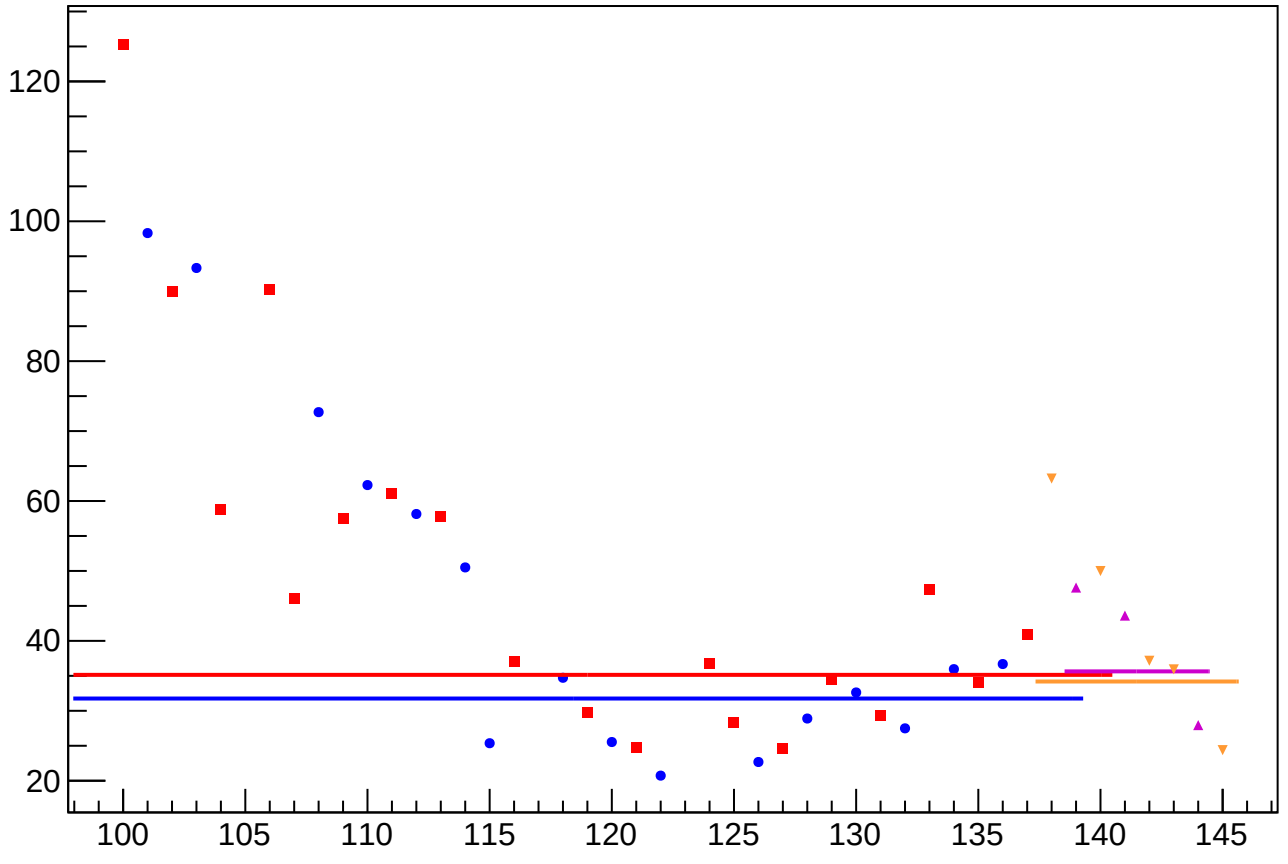
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.023 χ^2/NDF:1.0/2

+ sign -0.018+/-0.011 χ^2/NDF: 22.3/20

All: -0.004+/-0.008 χ^2/NDF: 45.3/42

- sign 0.013+/-0.012 χ^2/NDF: 19.5/21



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 34.189+/-0.014 χ^2/NDF:722164.0/4

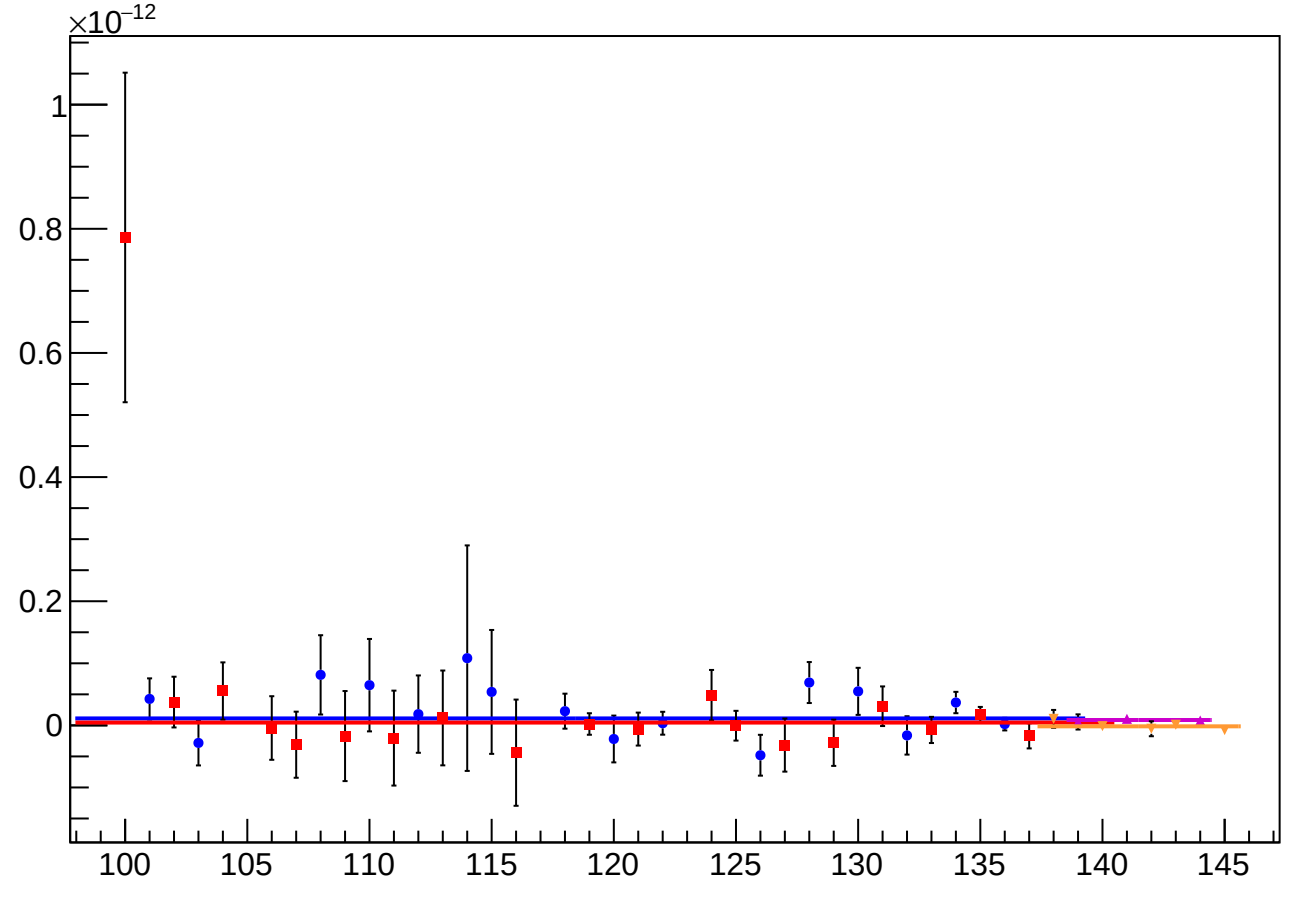
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.637+/-0.016 χ^2/NDF:284145.4/2

\+ sign 32.530+/-0.008 χ^2/NDF: 2996279.9/20

All: 33.756+/-0.006 χ^2/NDF: 5182637.7/42

\- sign 35.275+/-0.009 χ^2/NDF: 2129383.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/4

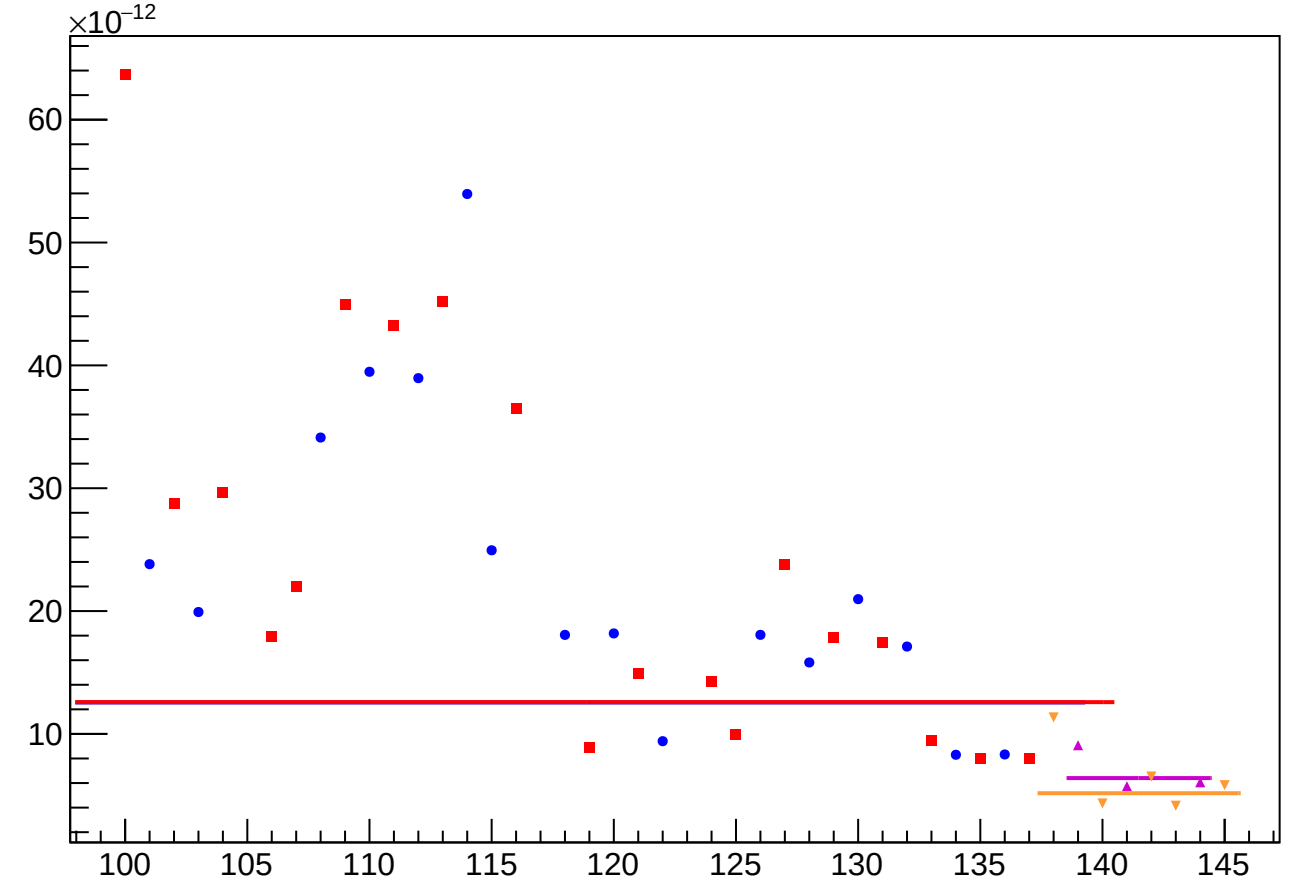
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.5/20

All: 0.000+/-0.000 χ^2/NDF: 40.8/42

- sign 0.000+/-0.000 χ^2/NDF: 17.9/21



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

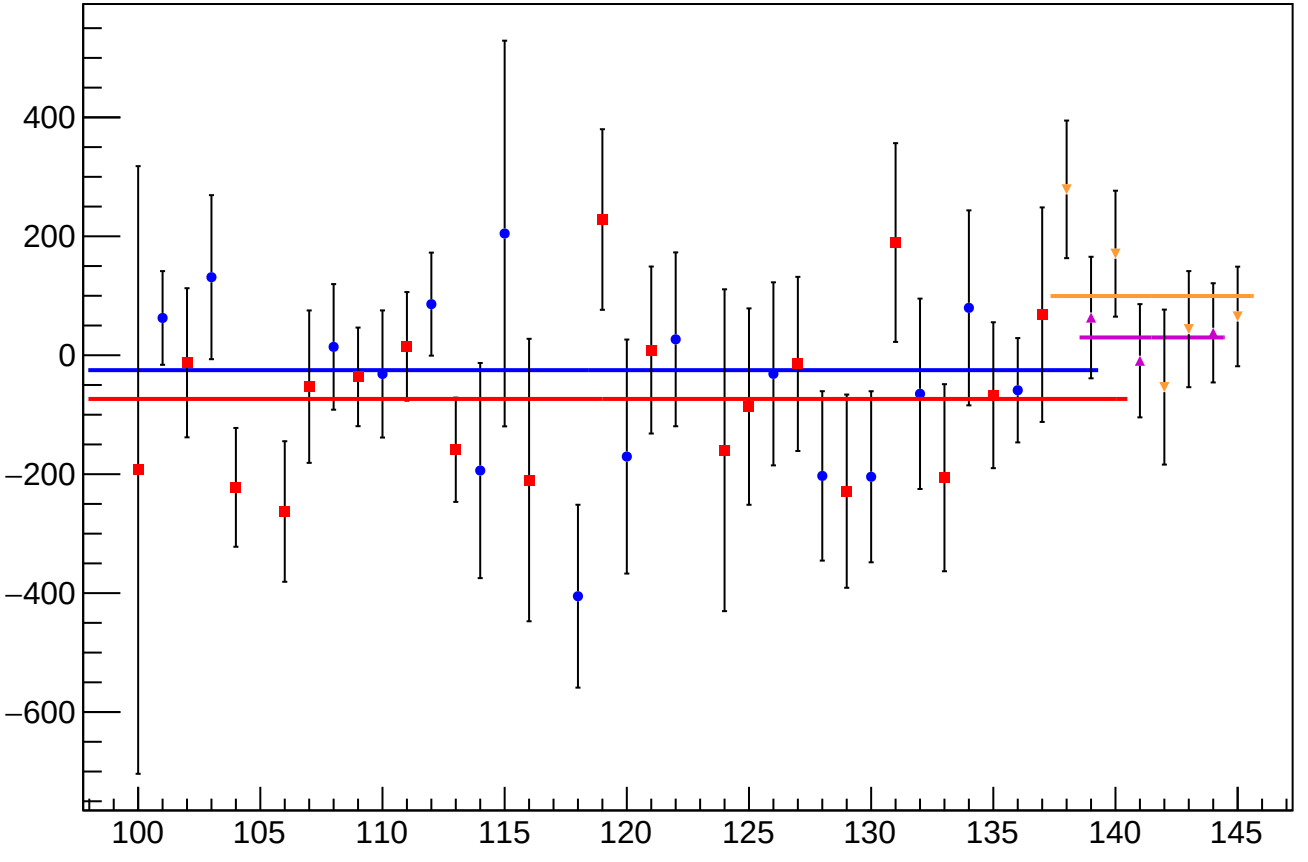
Left In: 0.000+/-0.000 χ^2/NDF:115564.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 4702608.4/20

All: 0.000+/-0.000 χ^2/NDF: 8933329.5/42

- sign 0.000+/-0.000 χ^2/NDF: 3988949.3/21

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

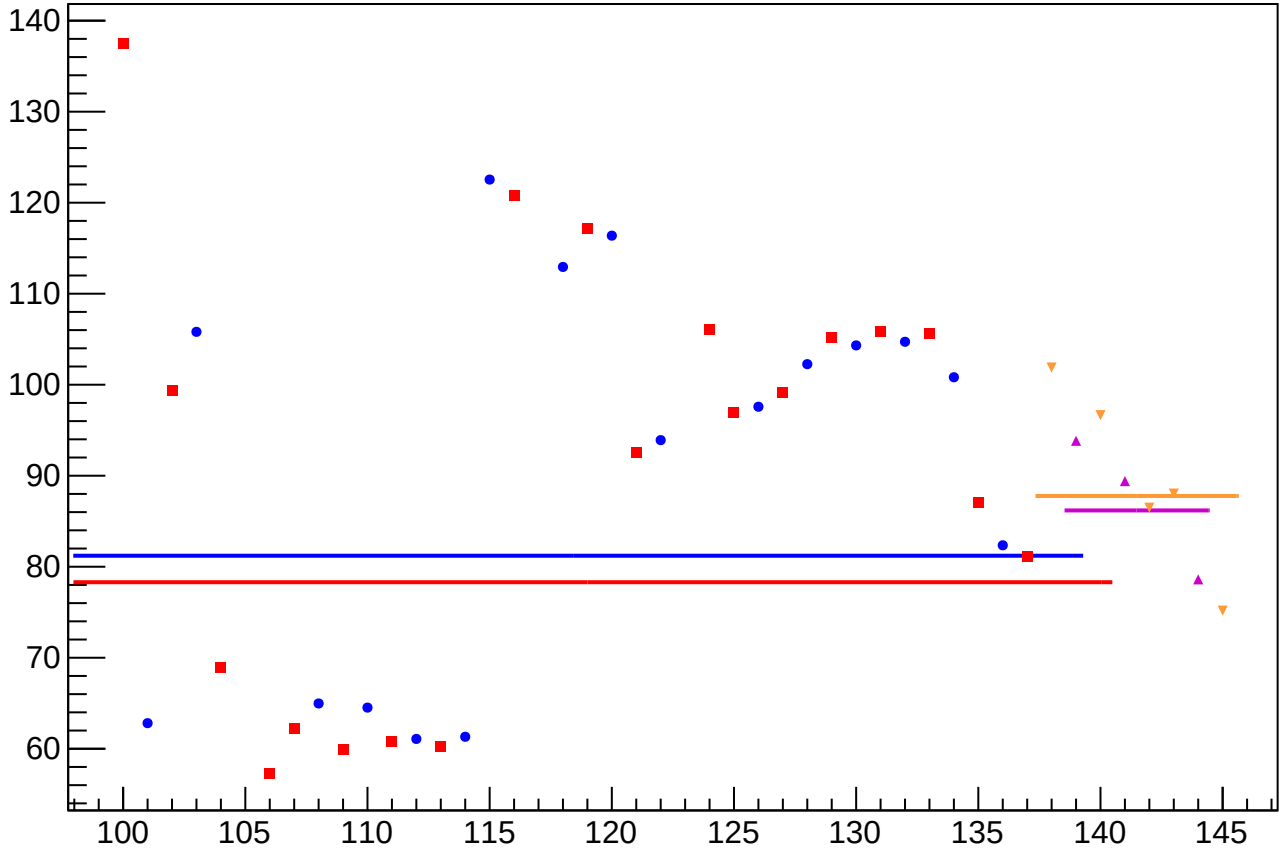
Left In: 29.912+/-53.465 χ^2/NDF:0.3/2

+ sign 14.118+/-25.857 χ^2/NDF: 25.9/20

All: -17.018+/-18.376 χ^2/NDF: 48.8/42

- sign -48.787+/-26.119 χ^2/NDF: 19.9/21

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

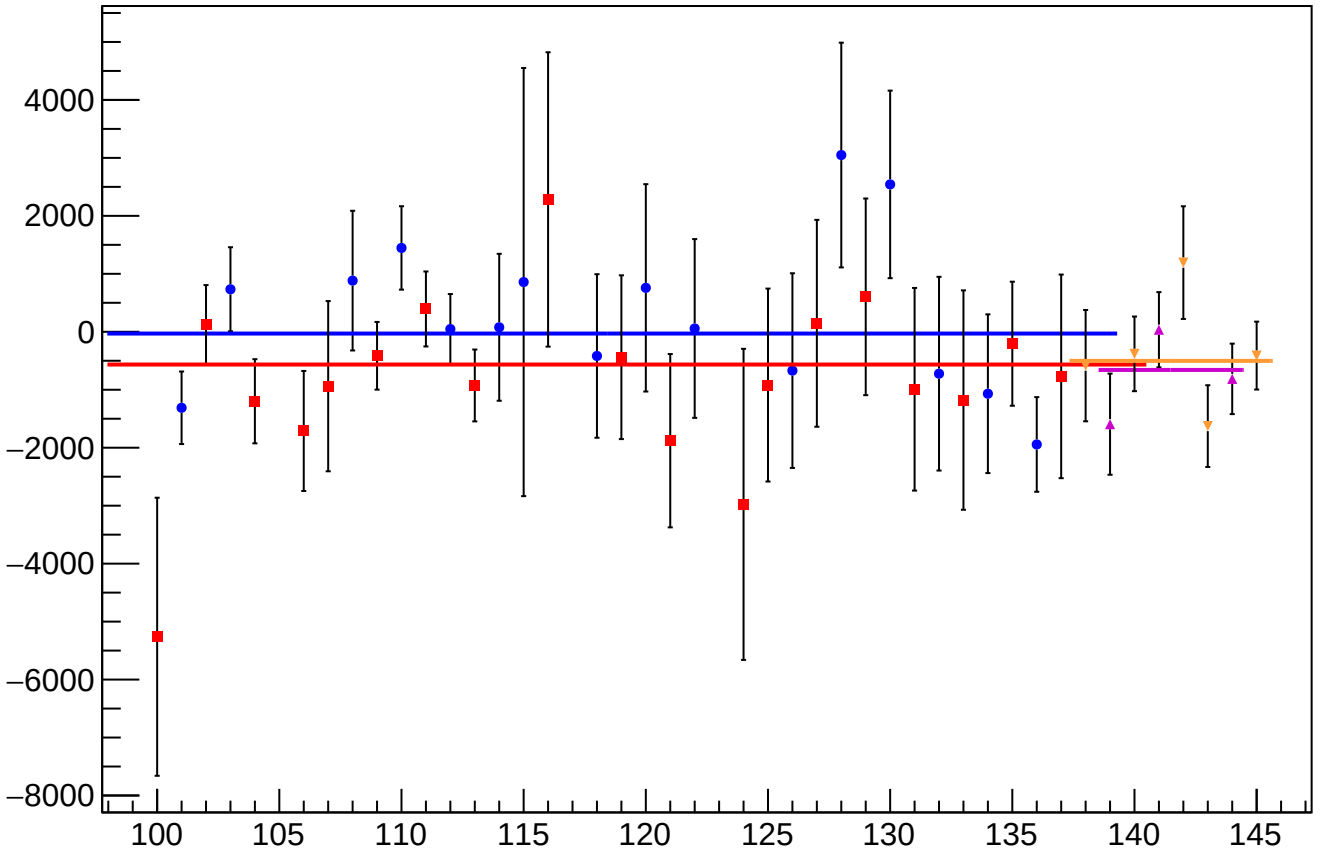
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 86.186+/-0.038 χ^2/NDF:30000.0/2

+ sign 83.274+/-0.018 χ^2/NDF: 904795.0/20

All: 81.743+/-0.013 χ^2/NDF: 1916782.3/42

- sign 80.180+/-0.018 χ^2/NDF: 997816.0/21



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

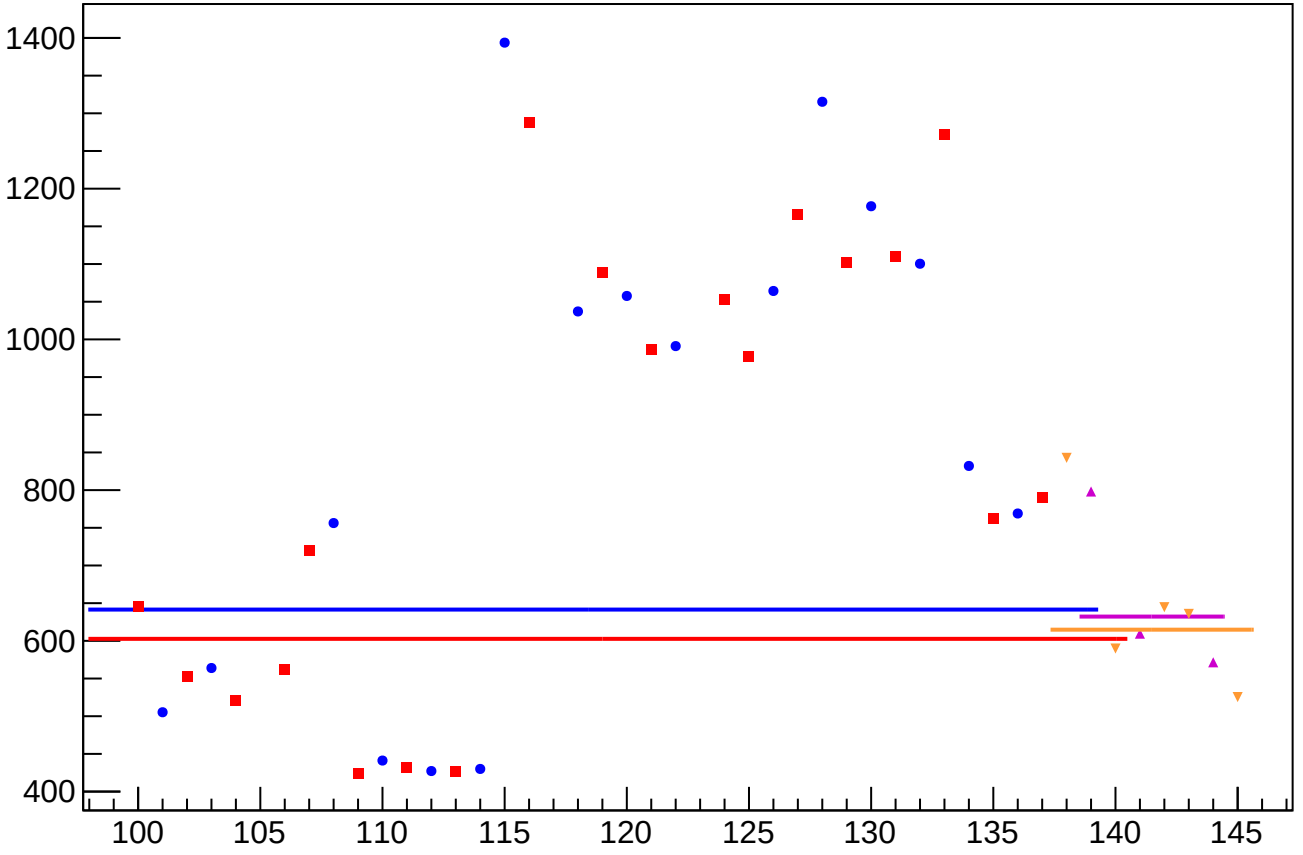
Left In: -658.252+/-395.504 χ^2/NDF:2.4/2

+ sign -212.016+/-201.527 χ^2/NDF: 28.8/20

All: -398.381+/-143.449 χ^2/NDF: 46.3/42

- sign -589.786+/-204.234 χ^2/NDF: 15.7/21

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

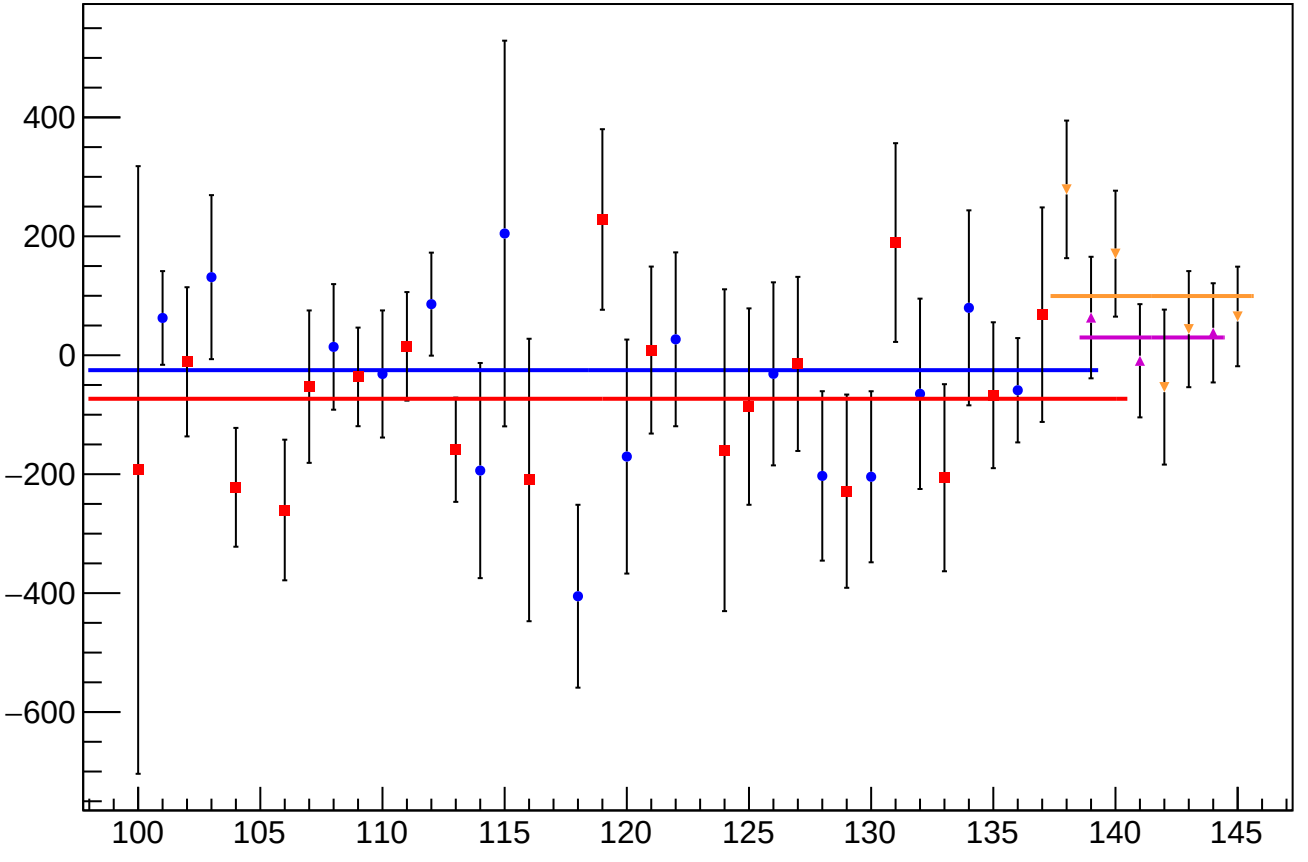
Left In: 632.202+/-0.280 χ^2/NDF:94708.7/2

+ sign 631.227+/-0.143 χ^2/NDF: 2049365.8/20

All: 621.018+/-0.101 χ^2/NDF: 4232972.7/42

- sign 610.533+/-0.144 χ^2/NDF: 2173203.1/21

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

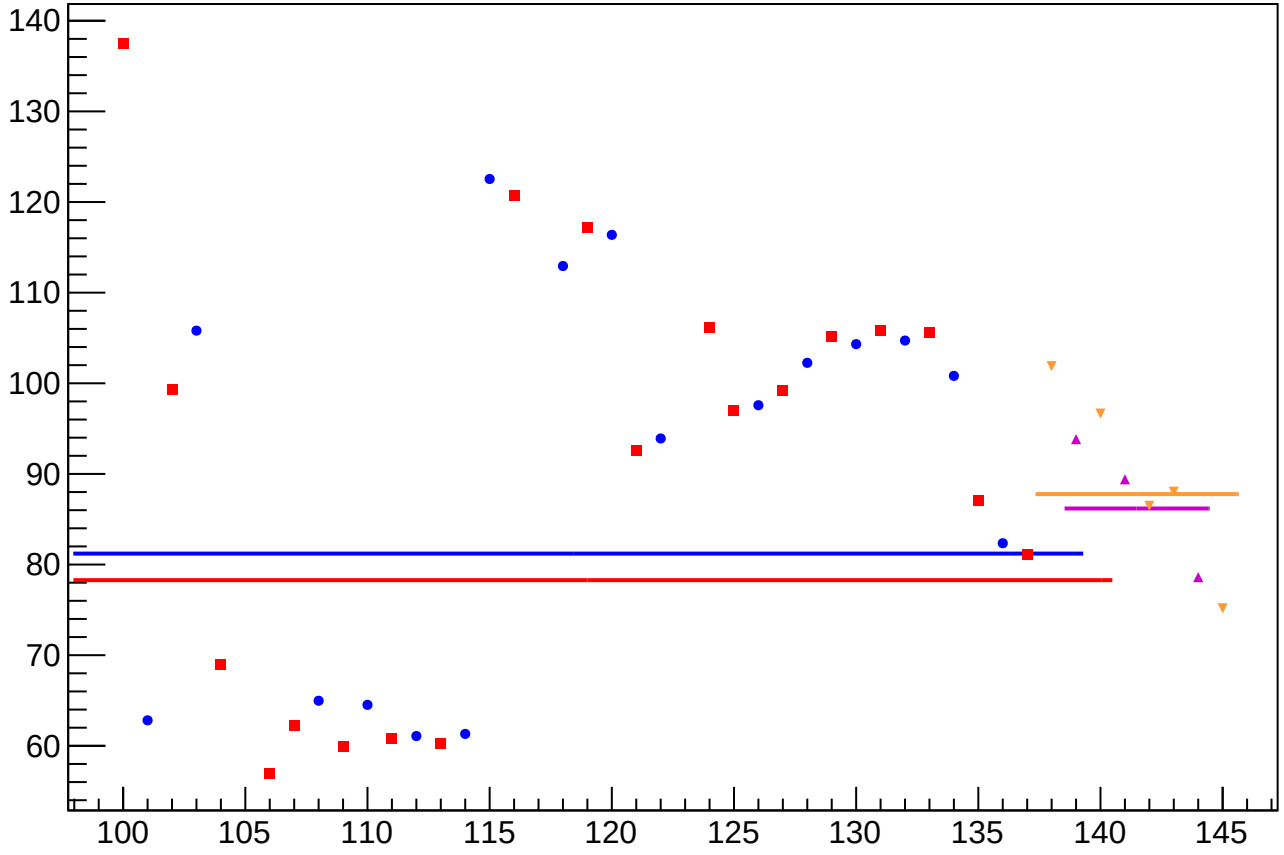
Left In: 29.906+/-53.465 χ^2/NDF:0.3/2

+ sign 14.119+/-25.857 χ^2/NDF: 25.9/20

All: -16.915+/-18.376 χ^2/NDF: 48.7/42

- sign -48.584+/-26.121 χ^2/NDF: 19.8/21

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

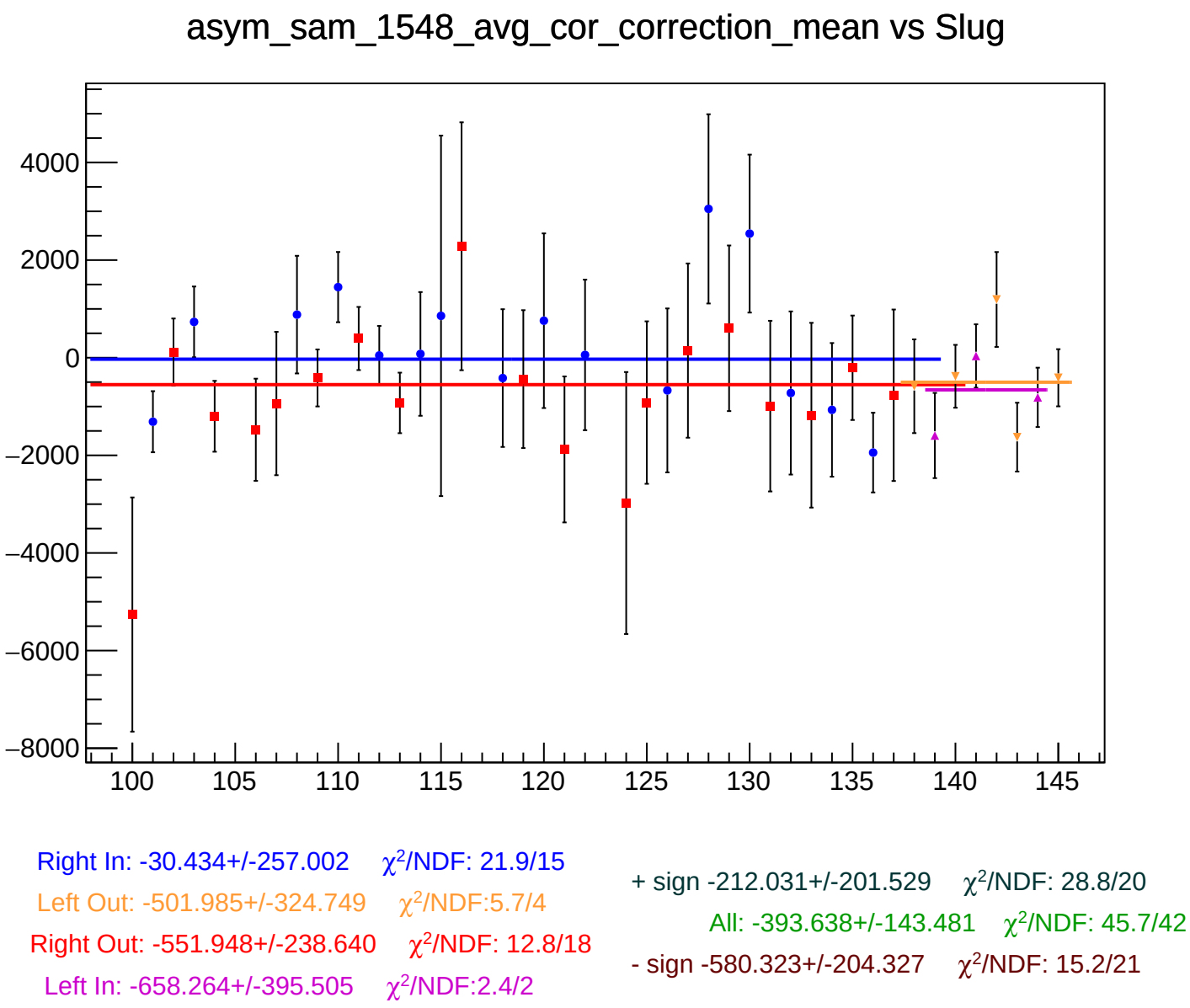
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 86.186+/-0.038 χ^2/NDF:30000.0/2

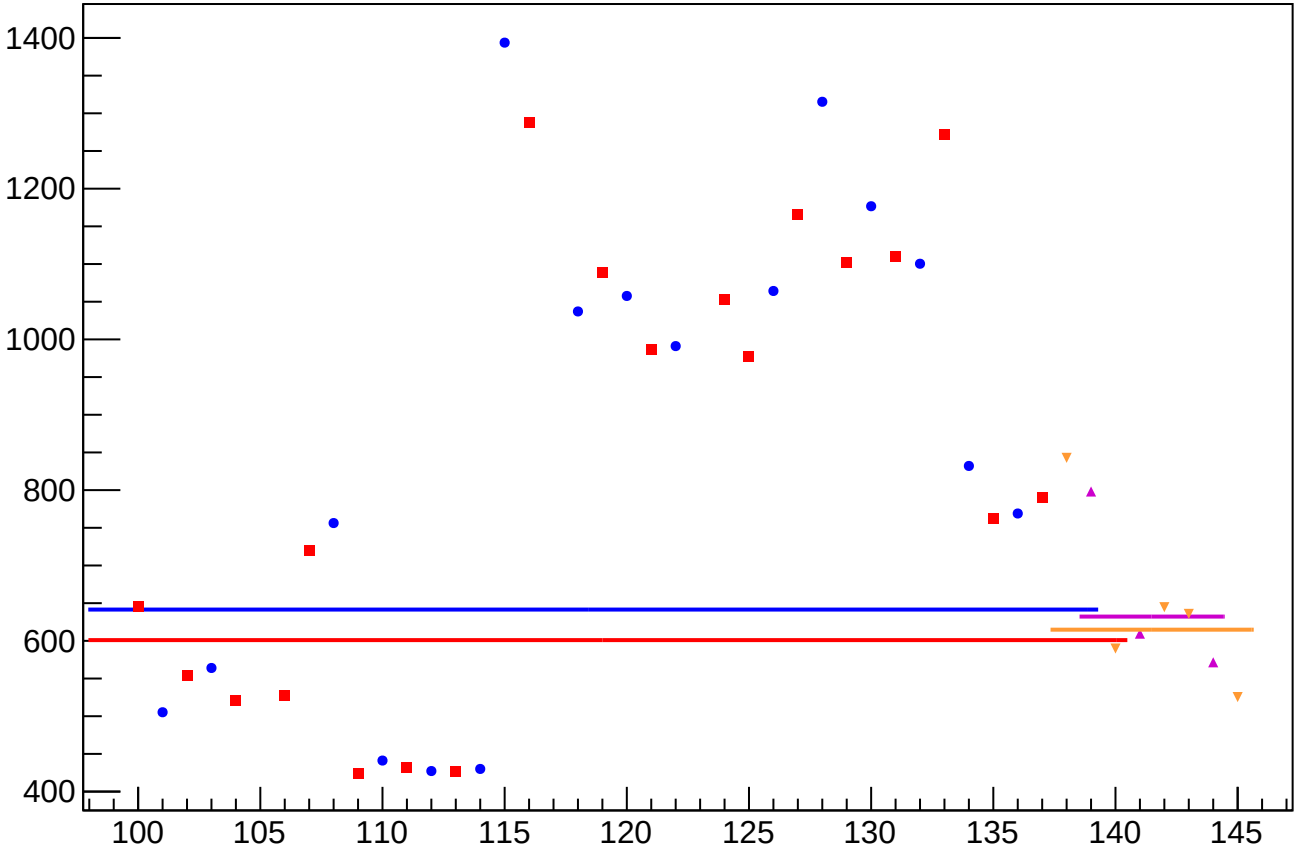
+ sign 83.274+/-0.018 χ^2/NDF: 904797.2/20

All: 81.736+/-0.013 χ^2/NDF: 1919206.9/42

- sign 80.166+/-0.018 χ^2/NDF: 1000110.2/21


asym_sam_1548_avg_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
145
Right In: -30.434+/-257.002 χ²/NDF: 21.9/15
Left Out: -501.985+/-324.749 χ²/NDF:5.7/4
Right Out: -551.948+/-238.640 χ²/NDF: 12.8/18
Left In: -658.264+/-395.505 χ²/NDF:2.4/2
+ sign -212.031+/-201.529 χ²/NDF: 28.8/20
All: -393.638+/-143.481 χ²/NDF: 45.7/42
- sign -580.323+/-204.327 χ²/NDF: 15.2/21

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

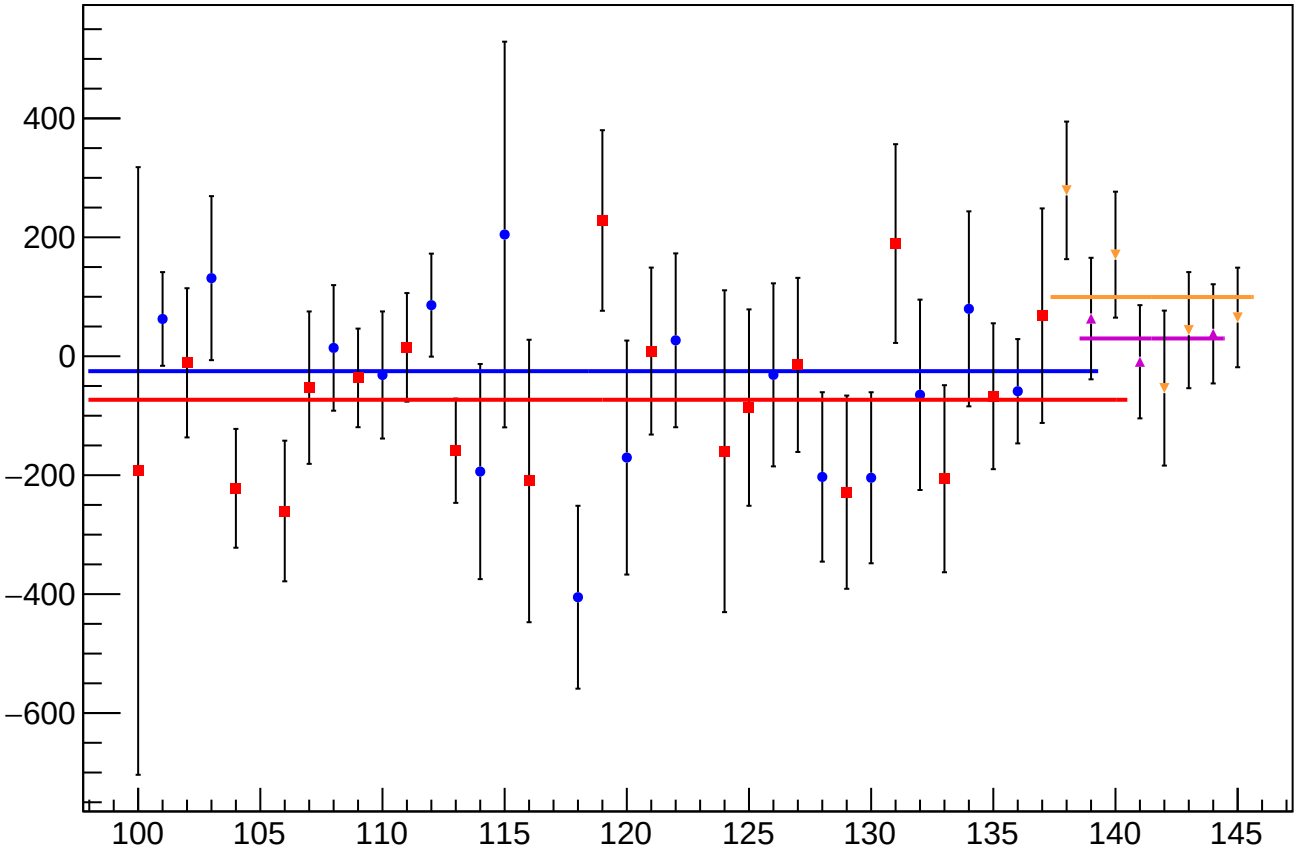
Left In: 632.203+/-0.280 χ^2/NDF:94707.8/2

+ sign 631.232+/-0.143 χ^2/NDF: 2049331.7/20

All: 620.422+/-0.101 χ^2/NDF: 4242082.2/42

- sign 609.310+/-0.144 χ^2/NDF: 2181080.5/21

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

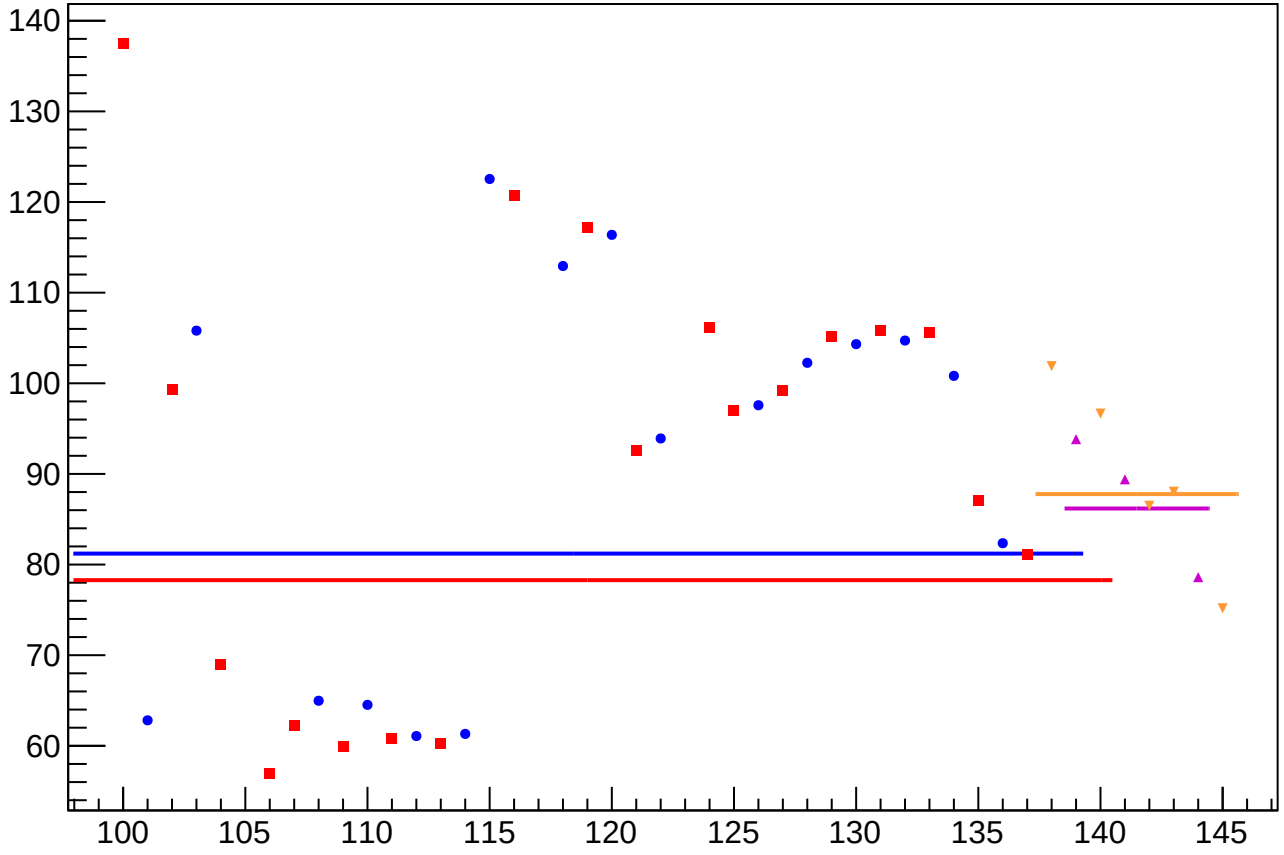
Left In: 29.906+/-53.465 χ^2/NDF:0.3/2

+ sign 14.119+/-25.857 χ^2/NDF: 25.9/20

All: -16.915+/-18.376 χ^2/NDF: 48.7/42

- sign -48.584+/-26.121 χ^2/NDF: 19.8/21

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

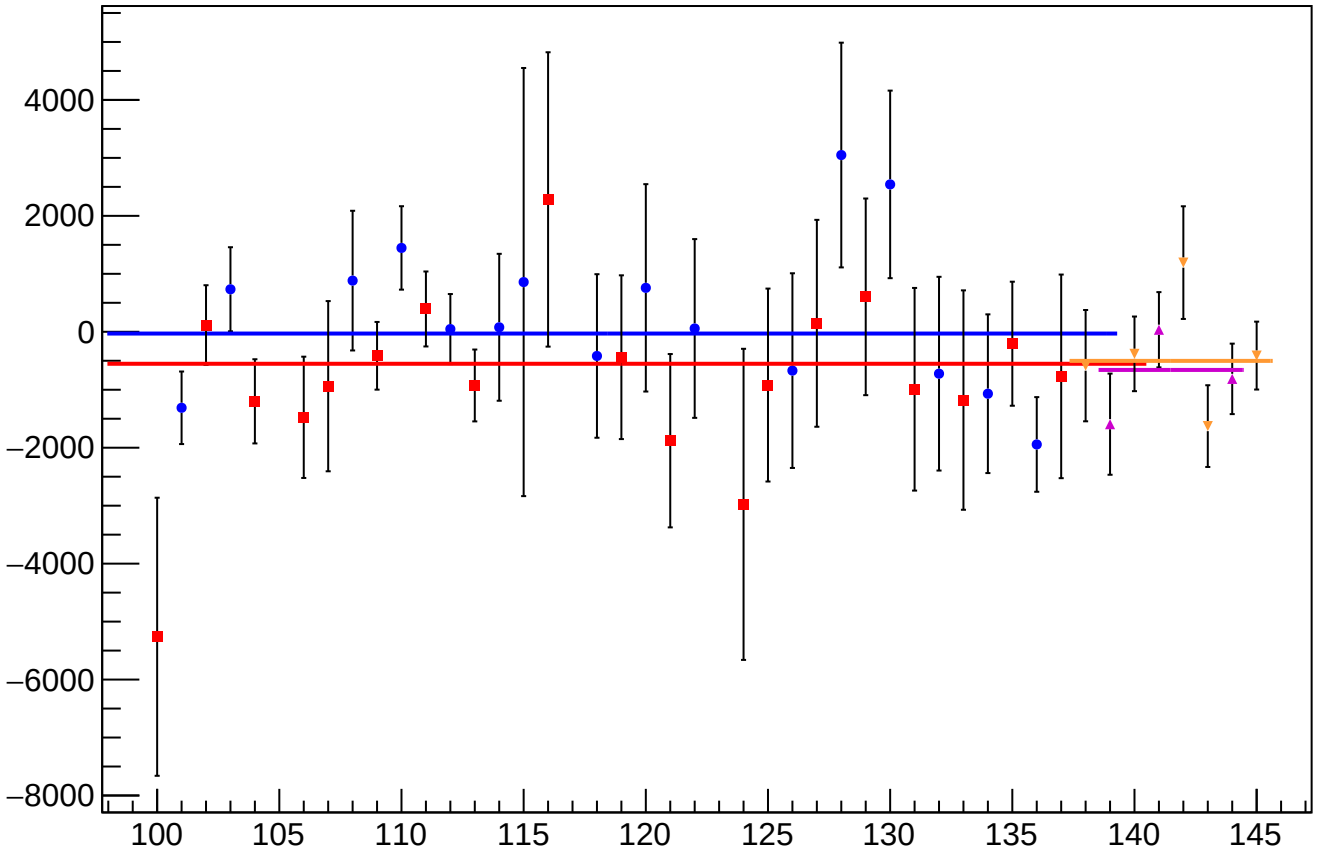
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 86.186+/-0.038 χ^2/NDF:30000.0/2

+ sign 83.274+/-0.018 χ^2/NDF: 904797.2/20

All: 81.736+/-0.013 χ^2/NDF: 1919206.9/42

- sign 80.166+/-0.018 χ^2/NDF: 1000110.2/21



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -501.985+/-324.749 χ^2/NDF:5.7/4

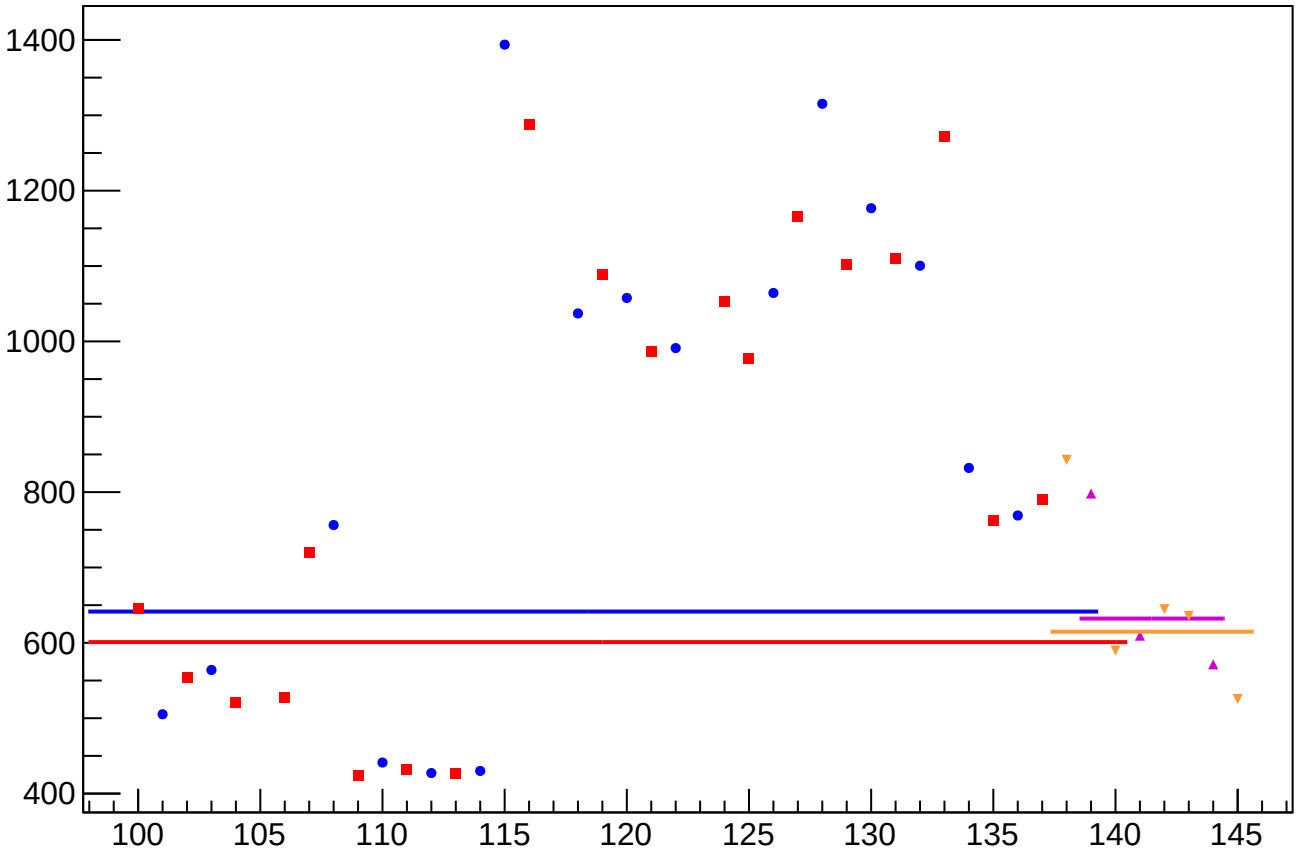
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -658.264+/-395.505 χ^2/NDF:2.4/2

+ sign -212.031+/-201.529 χ^2/NDF: 28.8/20

All: -393.638+/-143.481 χ^2/NDF: 45.7/42

- sign -580.323+/-204.327 χ^2/NDF: 15.2/21



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

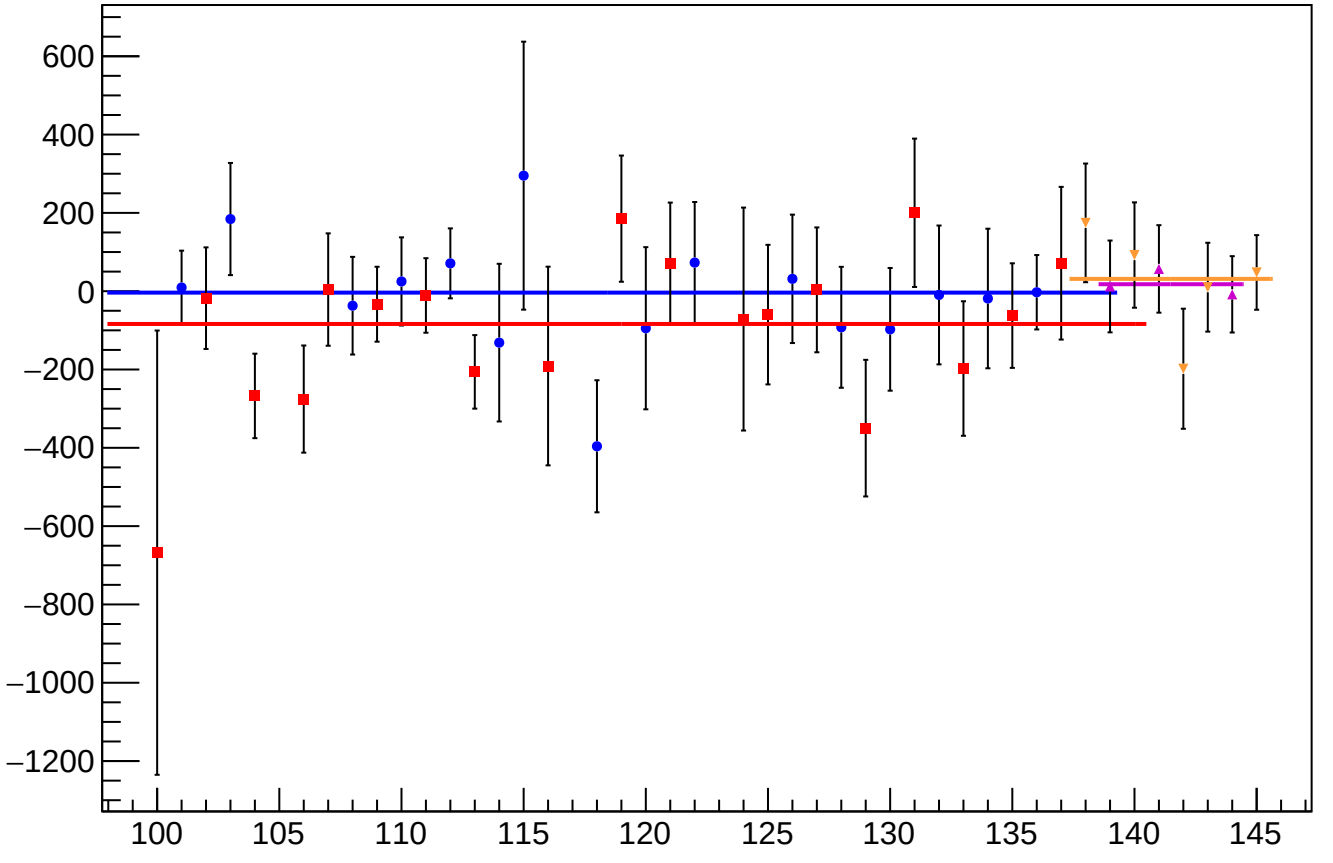
Left In: 632.203+/-0.280 χ^2/NDF:94707.8/2

+ sign 631.232+/-0.143 χ^2/NDF: 2049331.7/20

All: 620.422+/-0.101 χ^2/NDF: 4242082.2/42

- sign 609.310+/-0.144 χ^2/NDF: 2181080.5/21

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

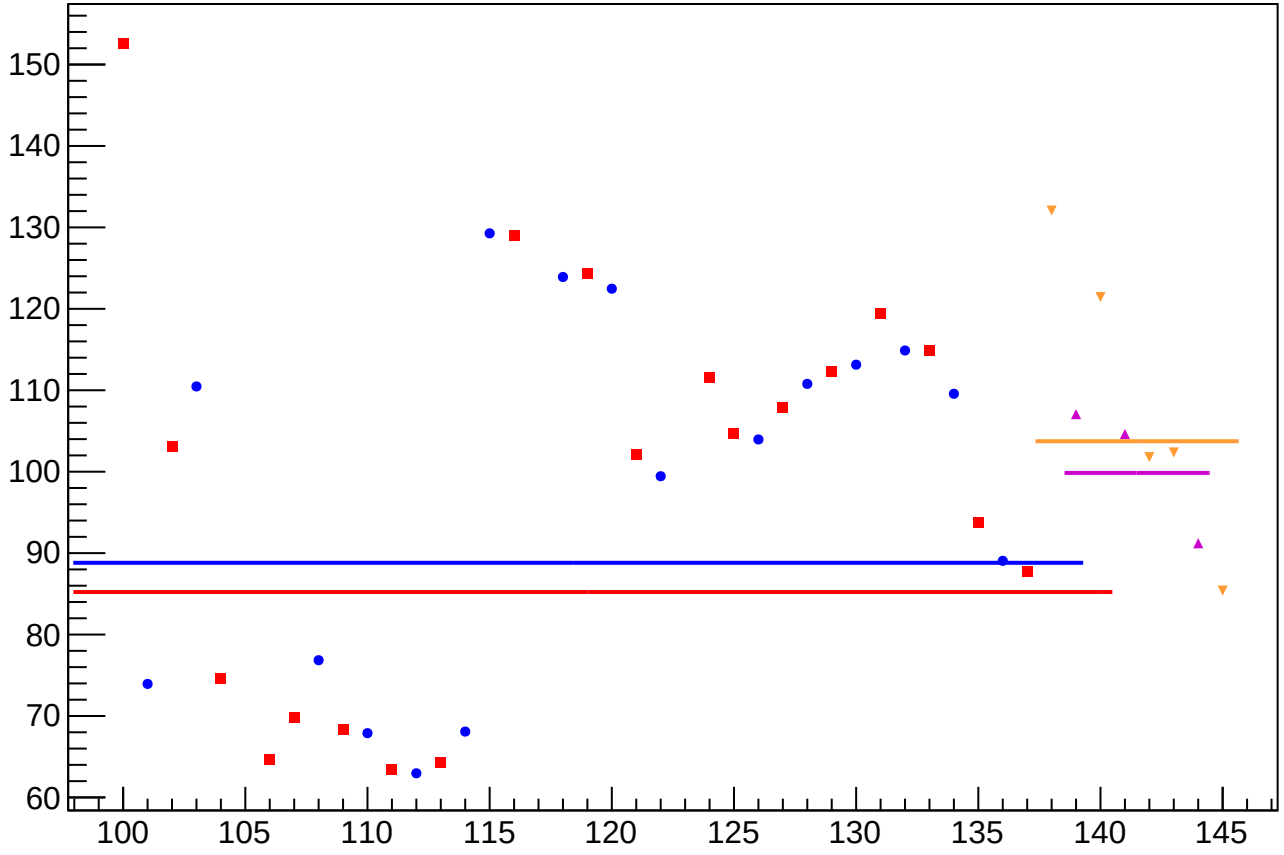
Left In: 17.806+/-62.241 χ^2/NDF:0.2/2

+ sign 6.088+/-29.031 χ^2/NDF: 14.0/20

All: -28.006+/-20.482 χ^2/NDF: 38.1/42

- sign -61.795+/-28.901 χ^2/NDF: 21.3/21

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

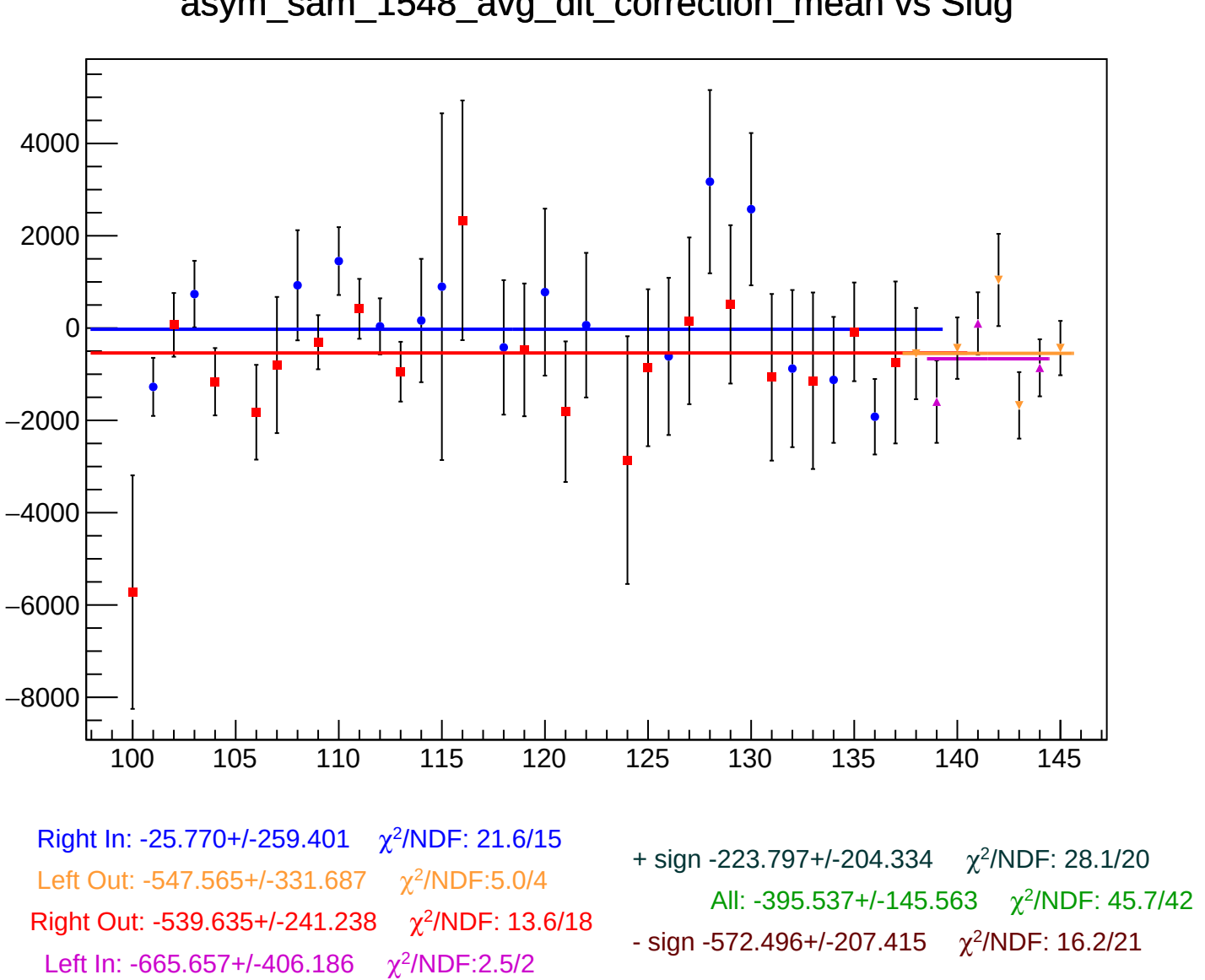
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 99.847+/-0.044 χ^2/NDF:26944.4/2

+ sign 92.954+/-0.021 χ^2/NDF: 1009806.1/20

All: 90.656+/-0.014 χ^2/NDF: 2032370.1/42

- sign 88.377+/-0.020 χ^2/NDF: 997598.5/21



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

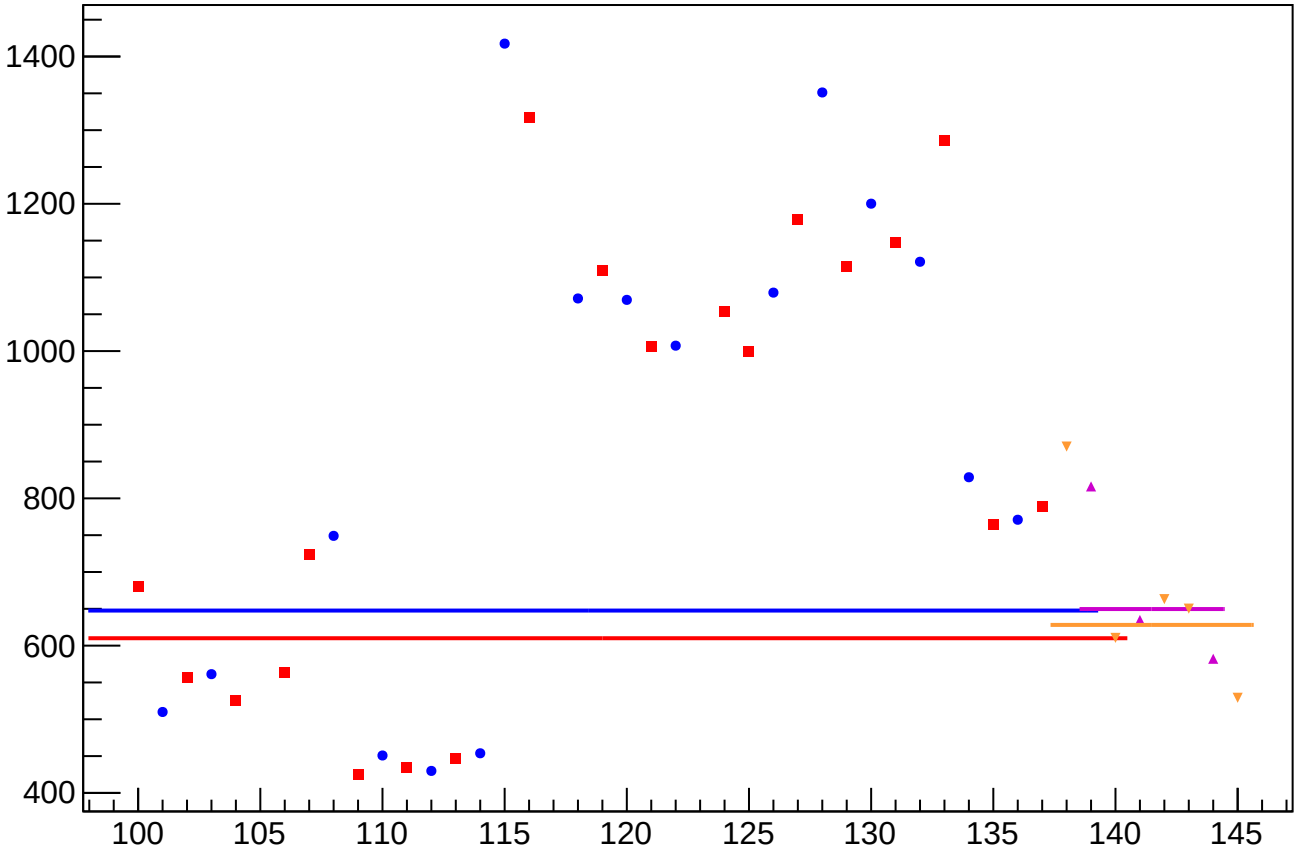
Left In: -665.657+/-406.186 χ^2/NDF:2.5/2

+ sign -223.797+/-204.334 χ^2/NDF: 28.1/20

All: -395.537+/-145.563 χ^2/NDF: 45.7/42

- sign -572.496+/-207.415 χ^2/NDF: 16.2/21

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

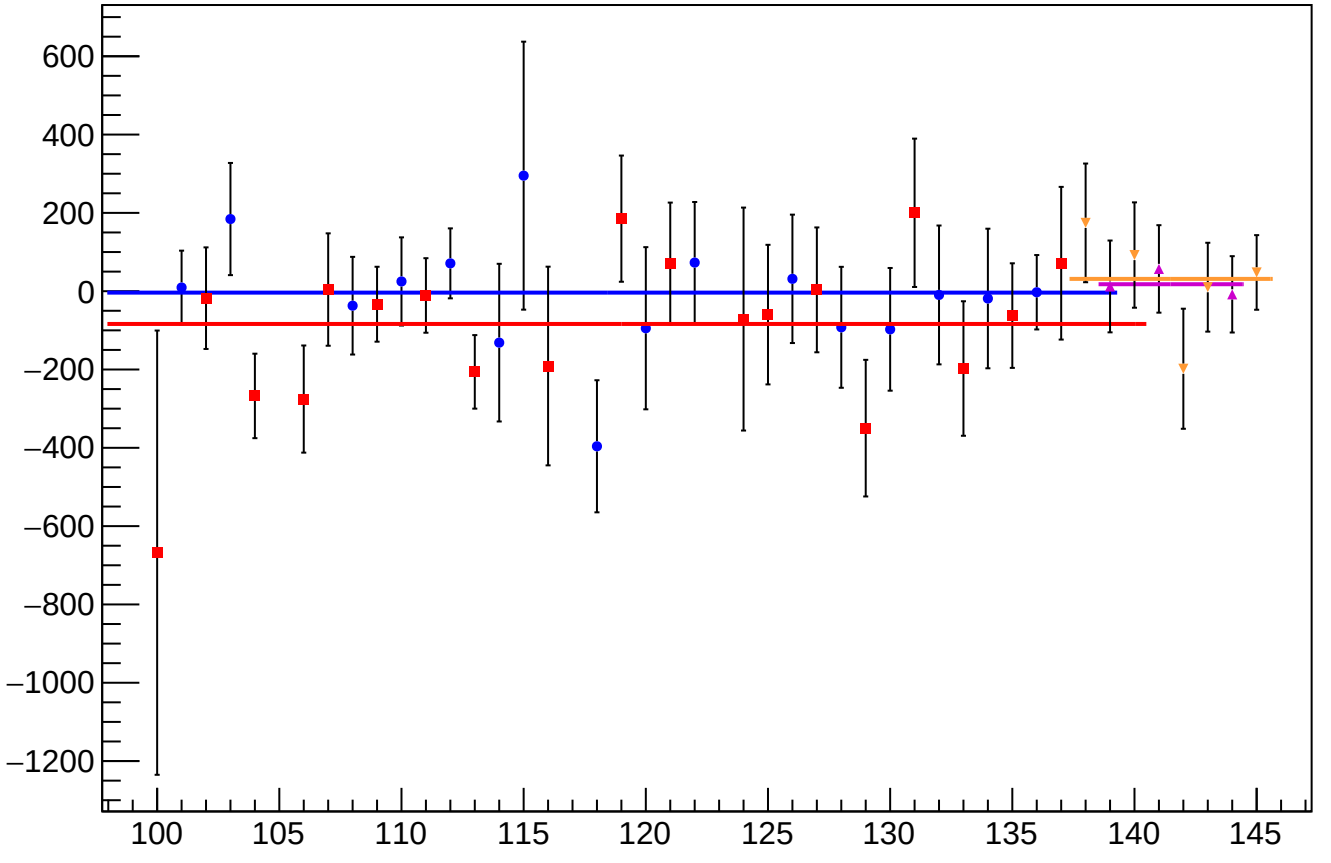
Left In: 649.693+/-0.287 χ^2/NDF:94415.6/2

+ sign 640.243+/-0.144 χ^2/NDF: 2074268.7/20

All: 630.468+/-0.103 χ^2/NDF: 4266302.4/42

- sign 620.395+/-0.147 χ^2/NDF: 2182739.7/21

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

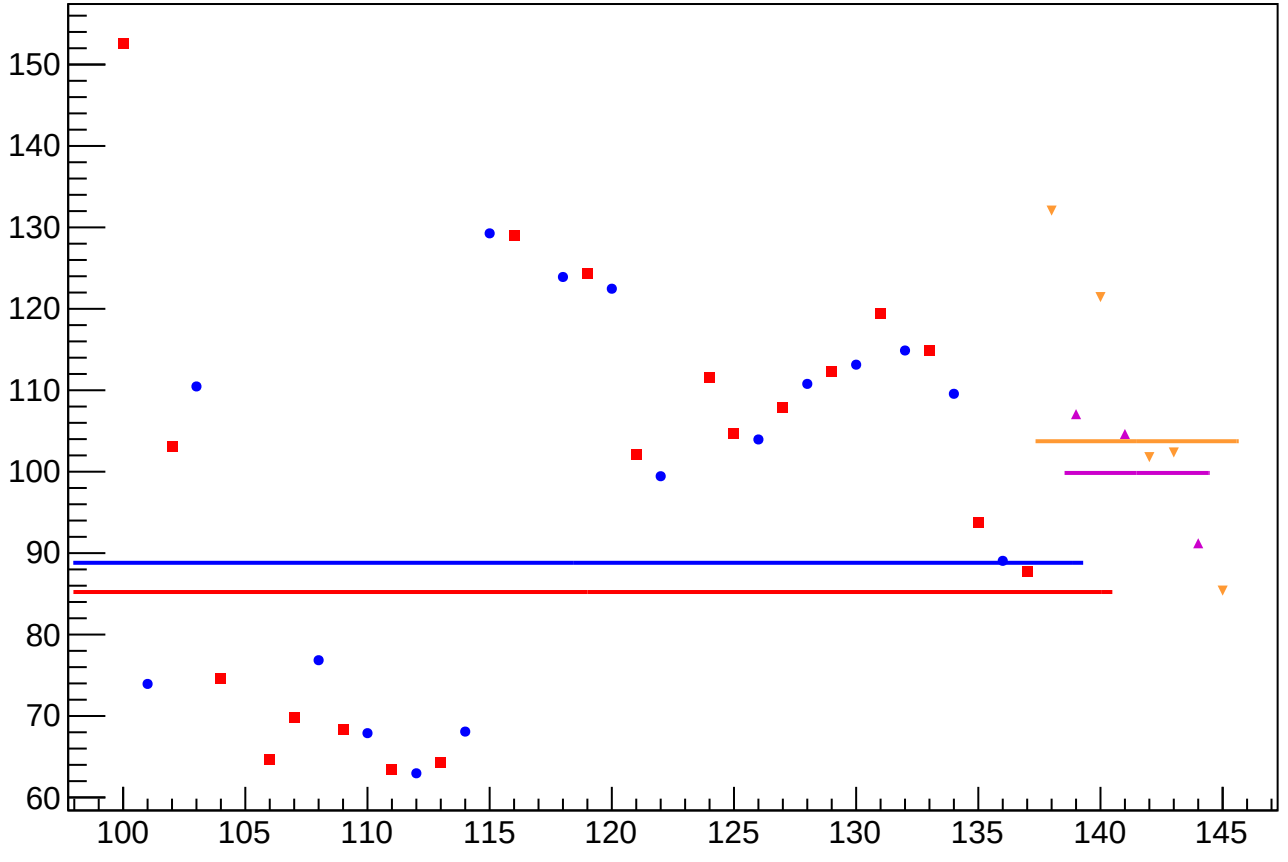
Left In: 17.805+/-62.241 χ^2/NDF:0.2/2

+ sign 6.089+/-29.031 χ^2/NDF: 14.0/20

All: -28.006+/-20.482 χ^2/NDF: 38.1/42

- sign -61.795+/-28.901 χ^2/NDF: 21.3/21

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

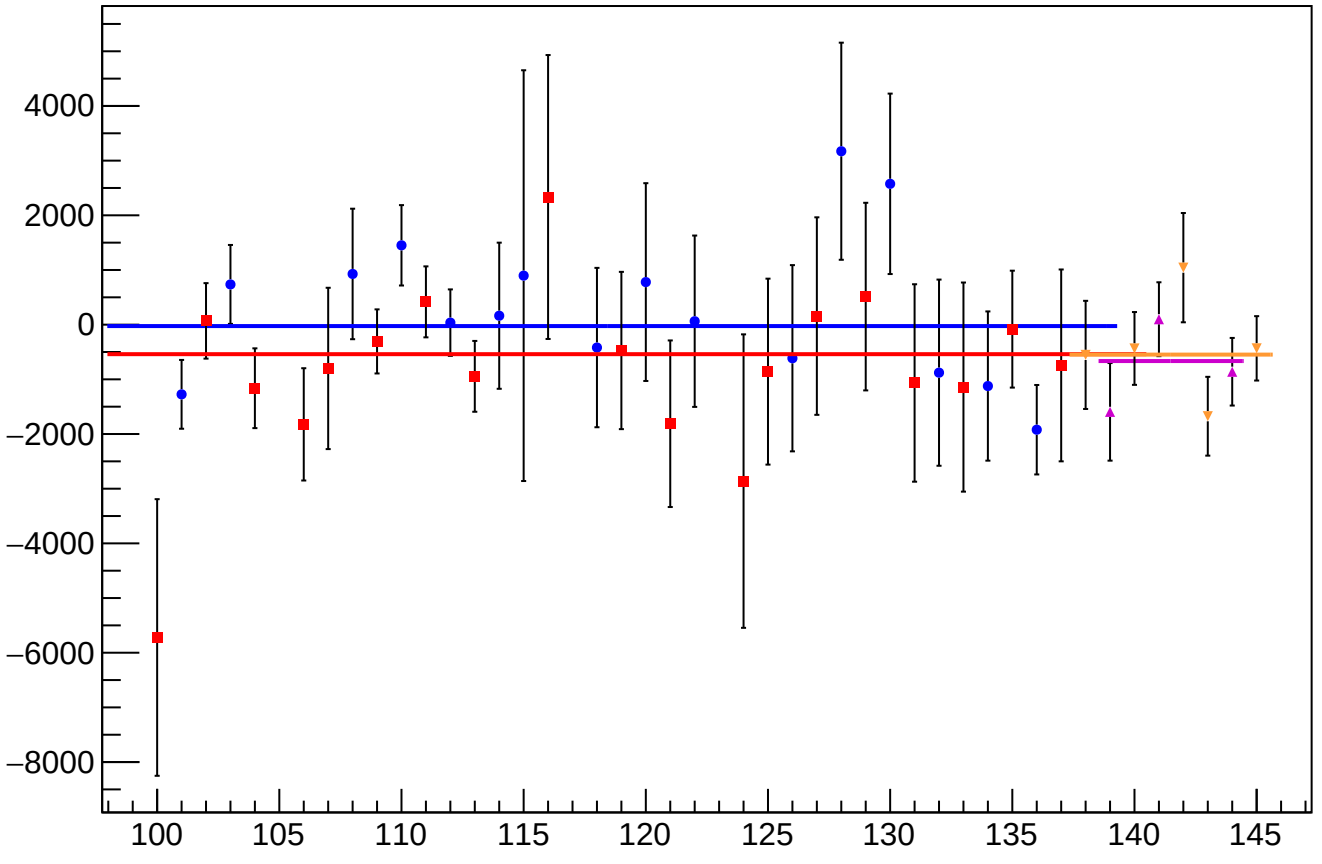
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 99.847+/-0.044 χ^2/NDF:26944.0/2

+ sign 92.954+/-0.021 χ^2/NDF: 1009807.9/20

All: 90.656+/-0.014 χ^2/NDF: 2032376.5/42

- sign 88.377+/-0.020 χ^2/NDF: 997602.8/21



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -547.566+/-331.687 χ^2/NDF:5.0/4

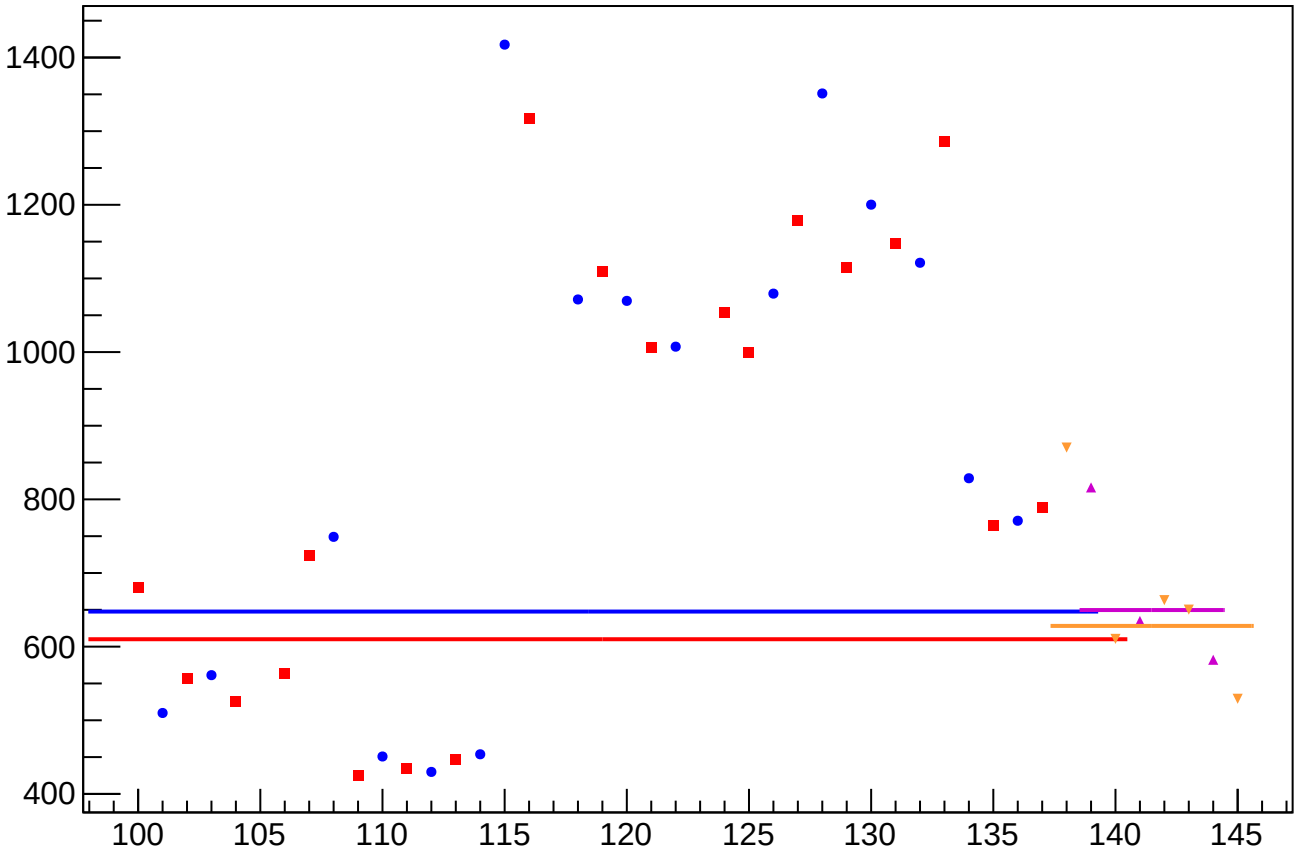
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -665.657+/-406.186 χ^2/NDF:2.5/2

\+ sign -223.797+/-204.333 χ^2/NDF: 28.1/20

All: -395.536+/-145.563 χ^2/NDF: 45.7/42

\- sign -572.495+/-207.415 χ^2/NDF: 16.2/21



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

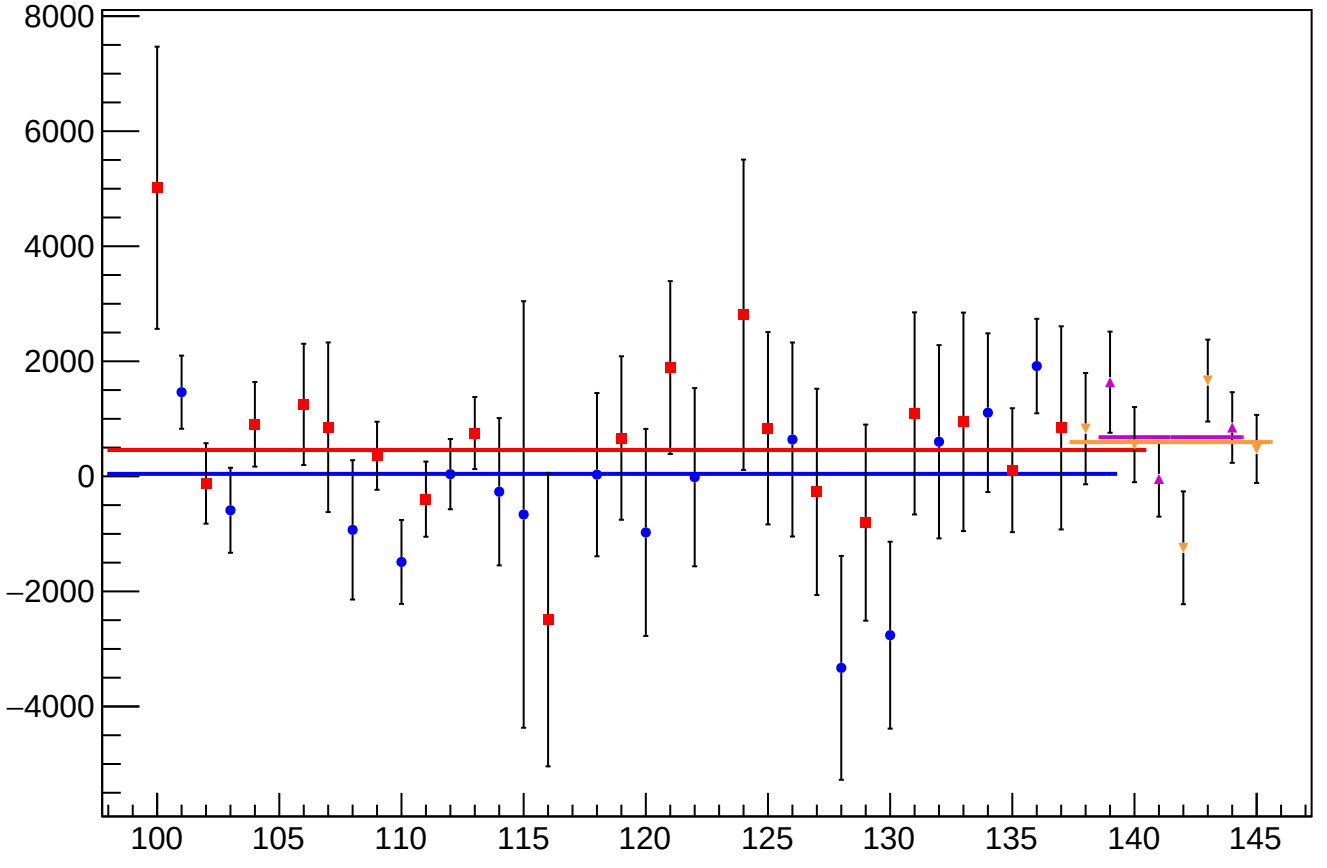
Left In: 649.693+/-0.287 χ^2/NDF:94415.6/2

+ sign 640.242+/-0.144 χ^2/NDF: 2074274.3/20

All: 630.467+/-0.103 χ^2/NDF: 4266311.2/42

- sign 620.394+/-0.147 χ^2/NDF: 2182742.9/21

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

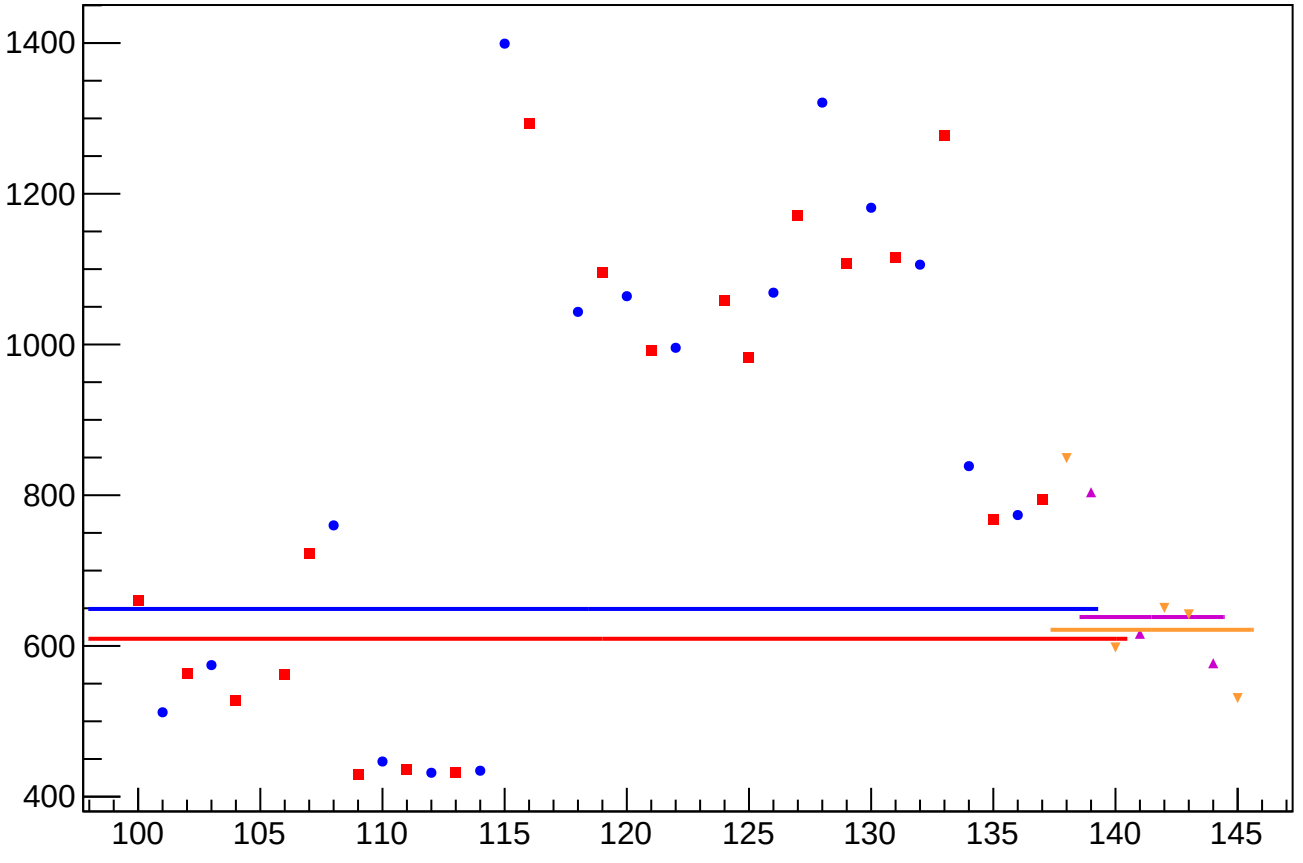
Left In: 680.957+/-399.274 χ^2/NDF:2.5/2

+ sign 256.278+/-203.696 χ^2/NDF: 30.8/20

All: 385.246+/-144.982 χ^2/NDF: 45.6/42

- sign 517.662+/-206.402 χ^2/NDF: 14.0/21

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

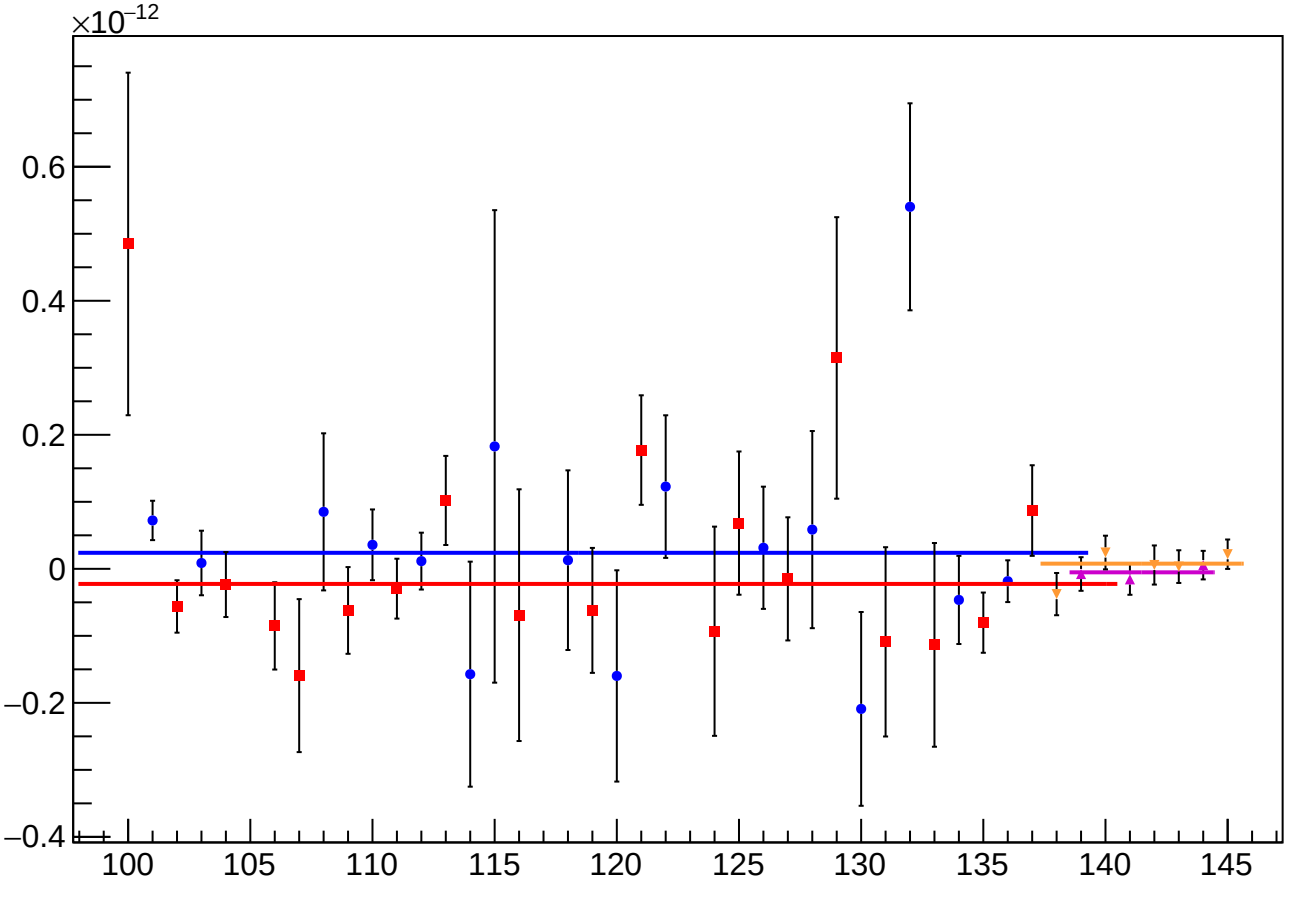
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 638.373+/-0.282 χ^2/NDF:93265.2/2

+ sign 638.440+/-0.144 χ^2/NDF: 2018366.0/20

All: 627.974+/-0.103 χ^2/NDF: 4173579.0/42

- sign 617.228+/-0.146 χ^2/NDF: 2144511.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/4

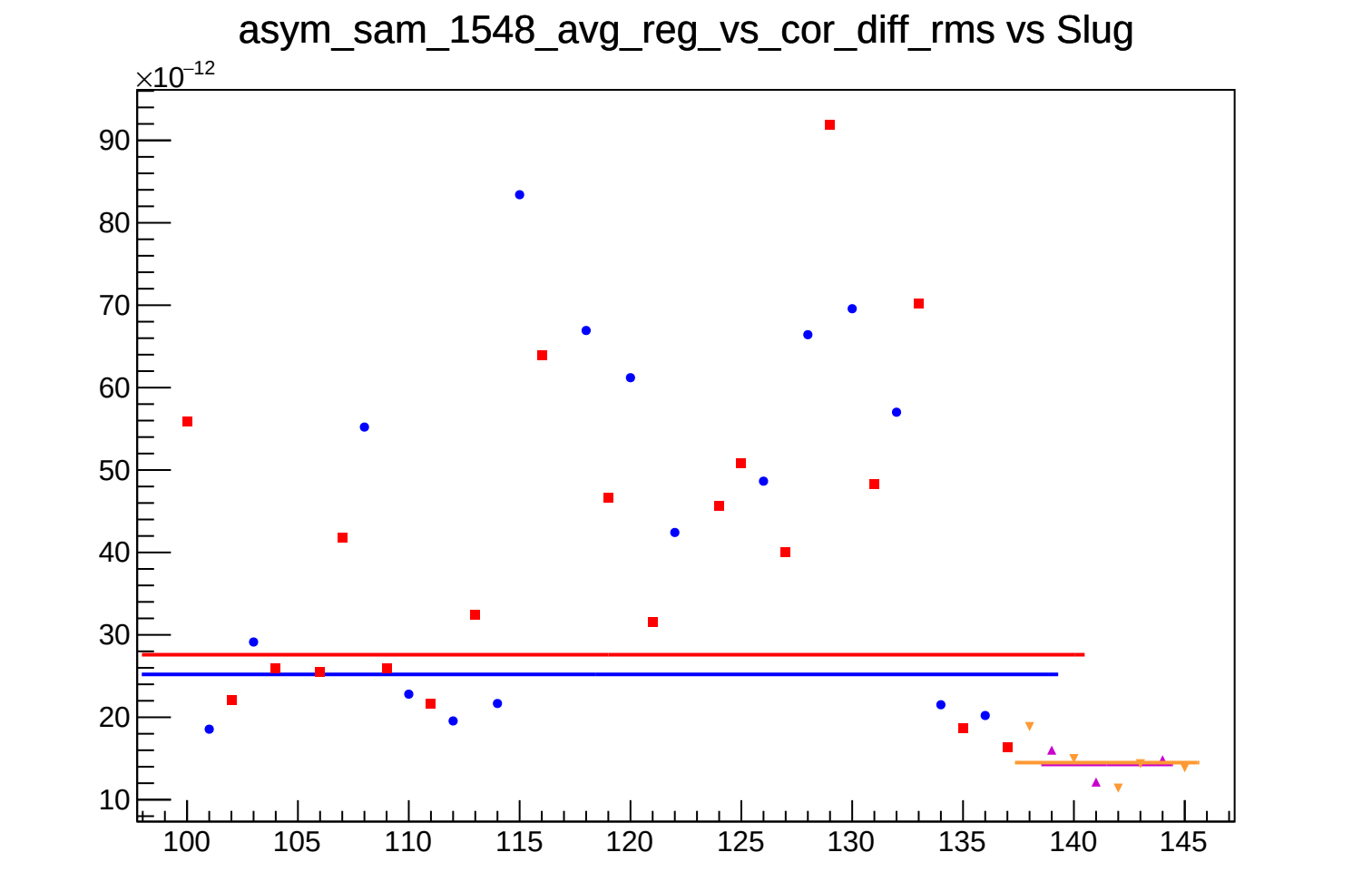
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/20

All: 0.000+/-0.000 χ^2/NDF: 57.6/42

- sign -0.000+/-0.000 χ^2/NDF: 26.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:63400.8/4

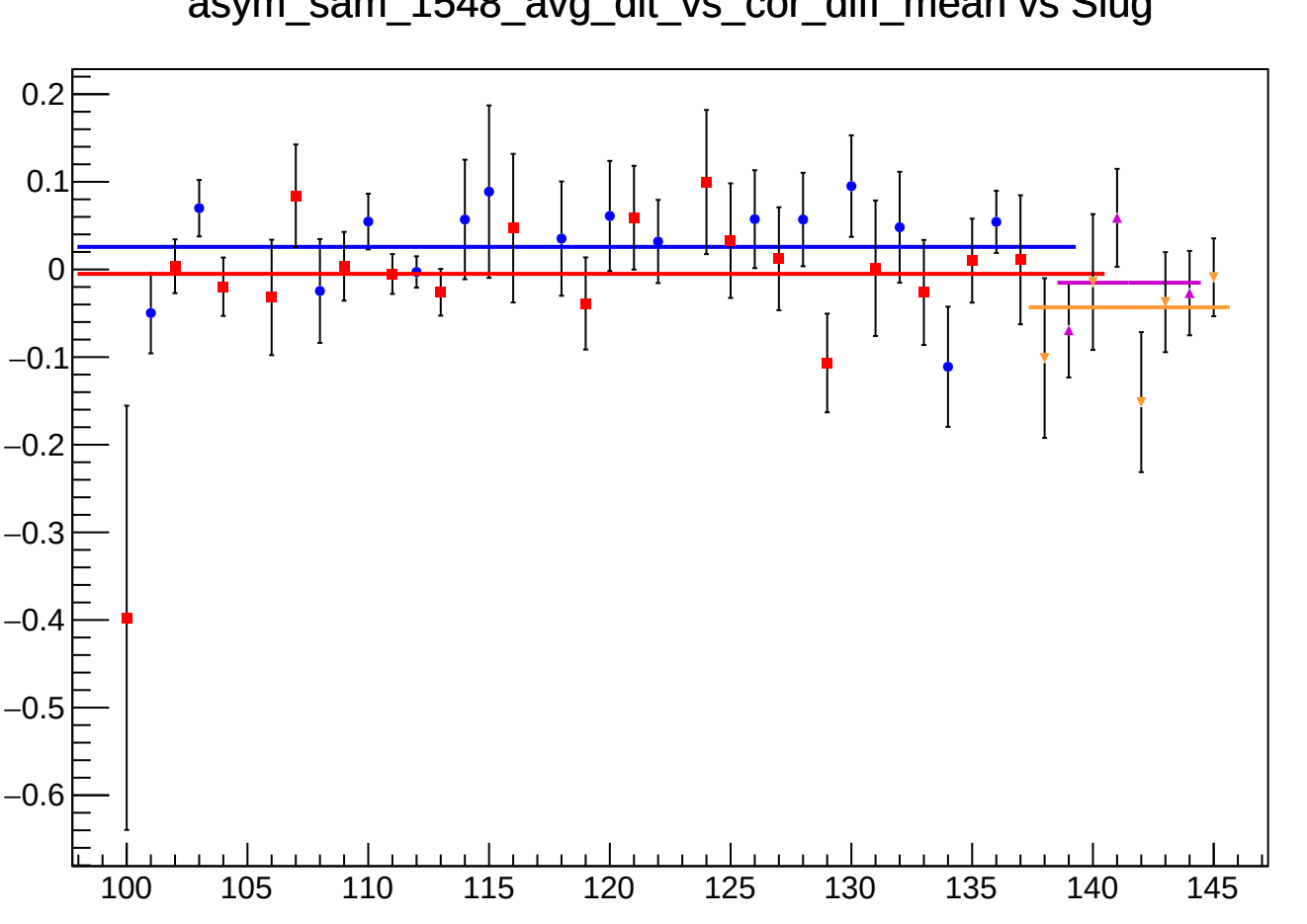
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:28172.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 2004816.3/20

All: 0.000+/-0.000 χ^2/NDF: 3835470.9/42

- sign 0.000+/-0.000 χ^2/NDF: 1816443.5/21



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

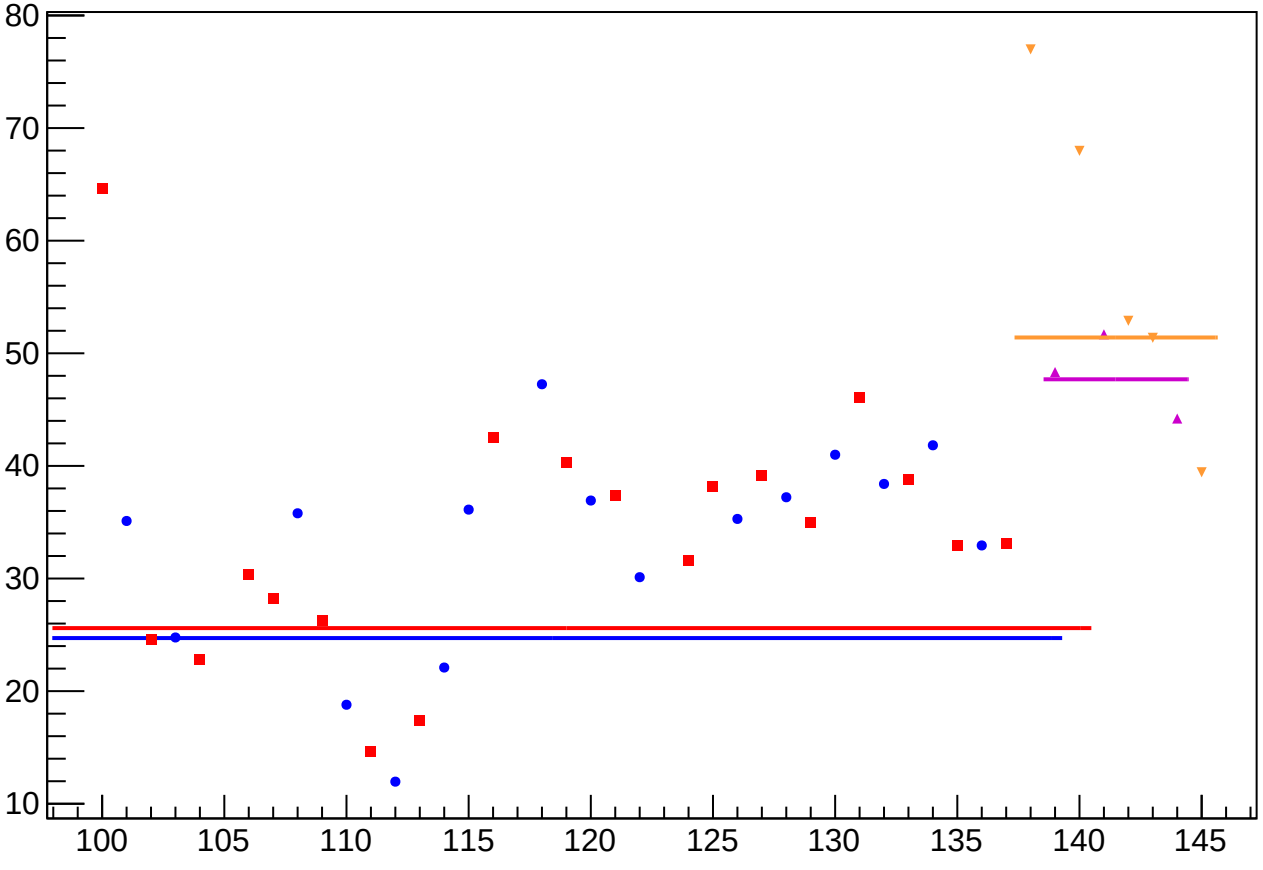
Left In: -0.015+/-0.030 χ^2/NDF:2.8/2

+ sign 0.018+/-0.010 χ^2/NDF: 24.8/20

All: 0.006+/-0.007 χ^2/NDF: 44.2/42

- sign -0.006+/-0.010 χ^2/NDF: 16.5/21

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

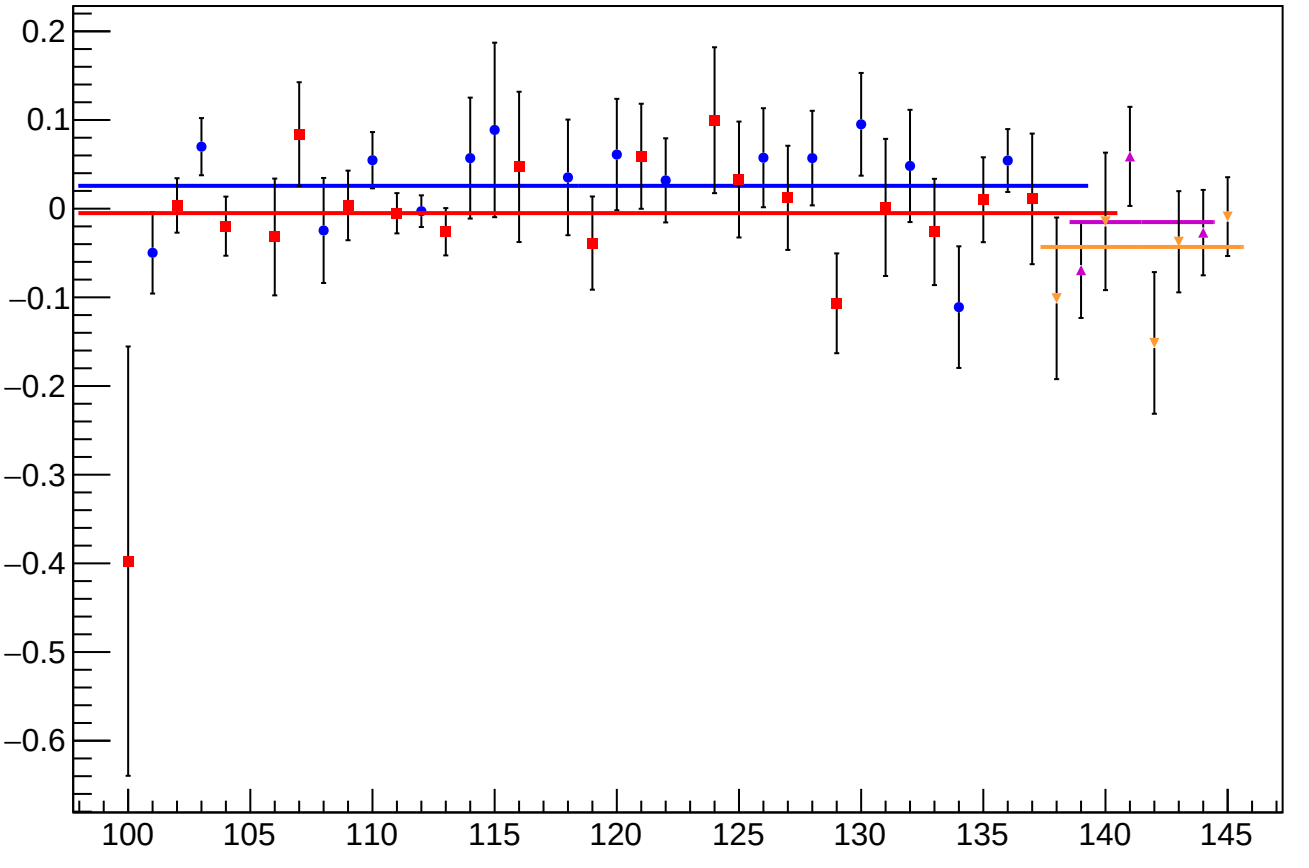
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 47.690+/-0.021 χ^2/NDF:20977.2/2

+ sign 27.884+/-0.007 χ^2/NDF: 4268576.7/20

All: 27.899+/-0.005 χ^2/NDF: 6851286.3/42

- sign 27.915+/-0.007 χ^2/NDF: 2582699.3/21



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.043+/-0.028 χ^2/NDF:3.0/4

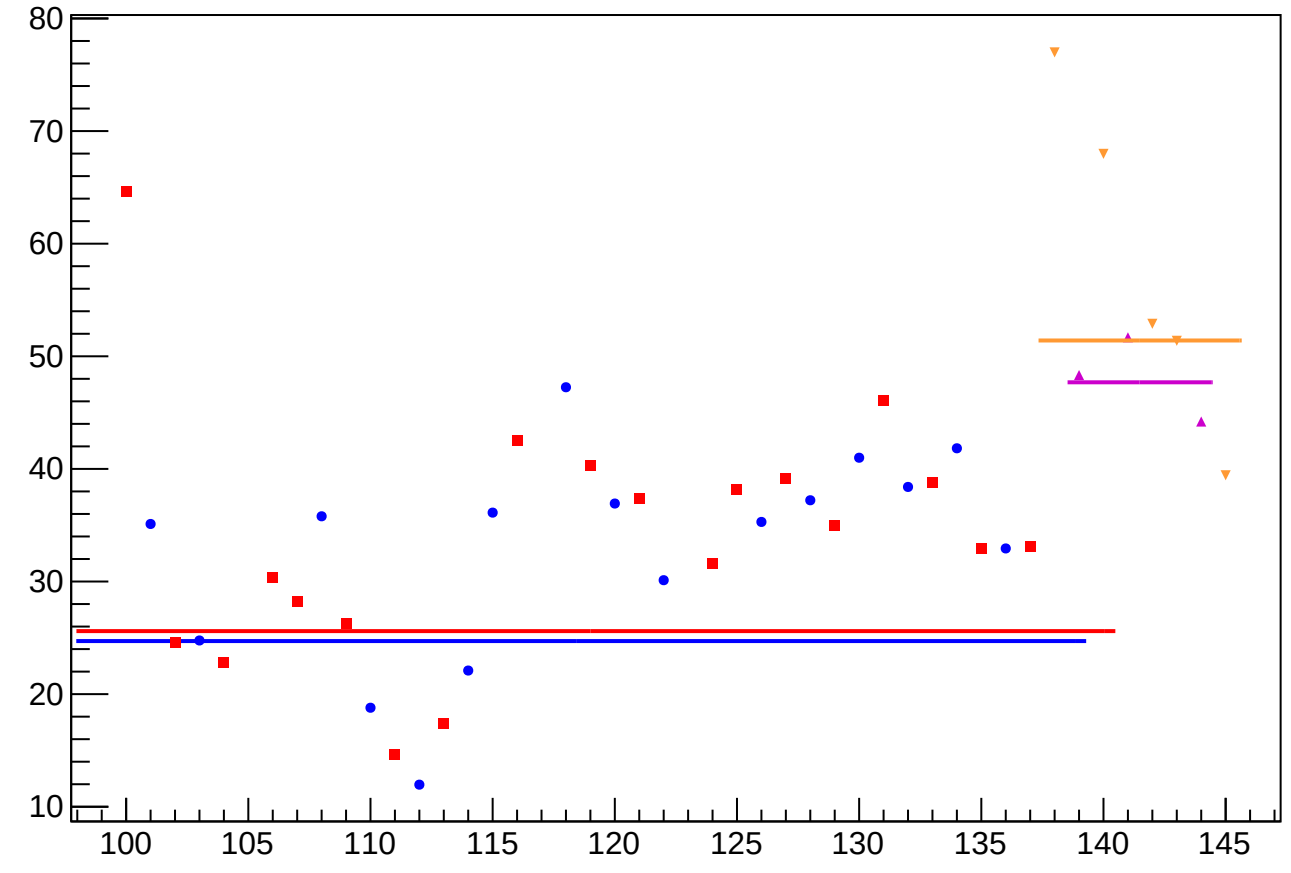
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.015+/-0.030 χ^2/NDF:2.8/2

+ sign 0.018+/-0.010 χ^2/NDF: 24.8/20

All: 0.006+/-0.007 χ^2/NDF: 44.2/42

- sign -0.006+/-0.010 χ^2/NDF: 16.5/21



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 51.404+/-0.020 χ^2/NDF:394871.8/4

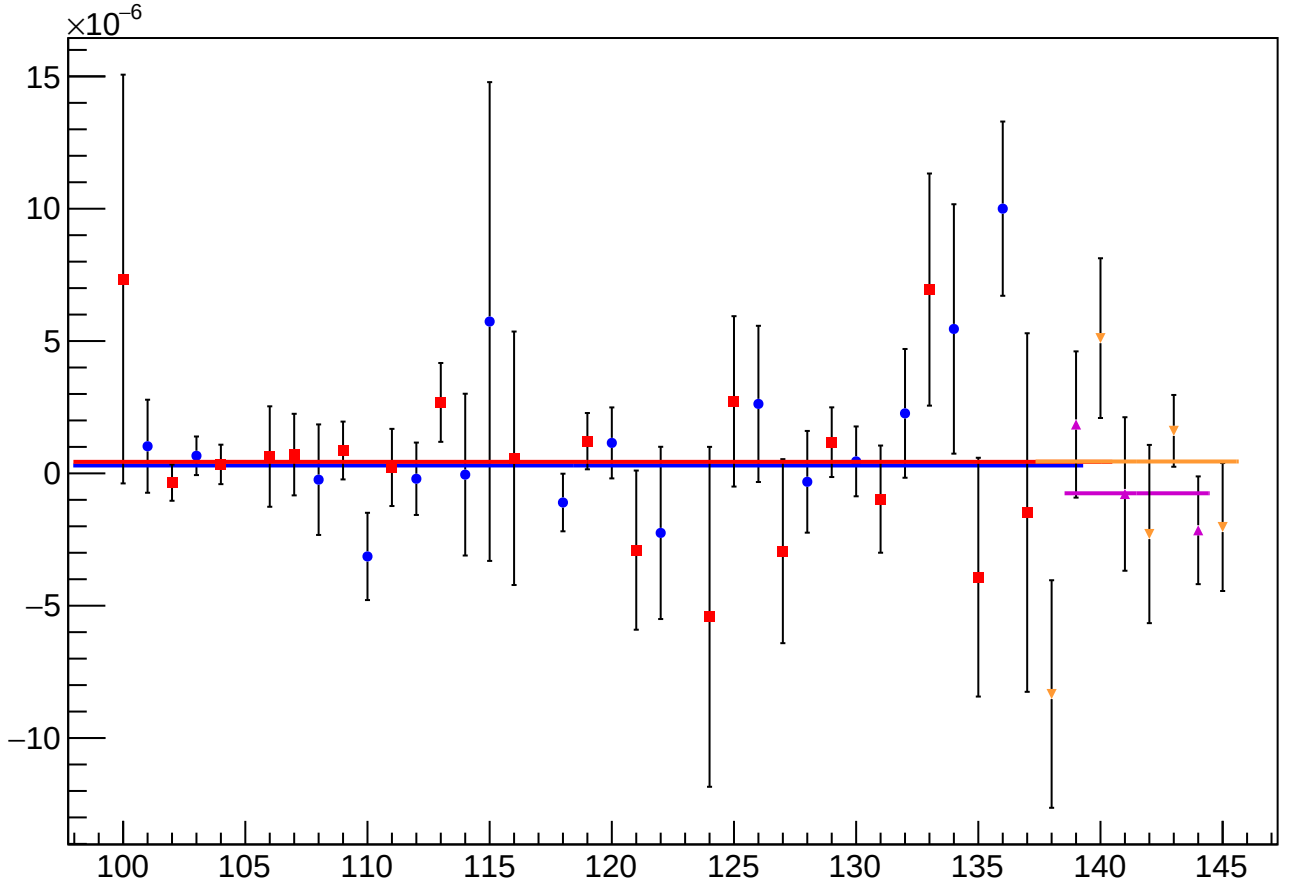
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 47.690+/-0.021 χ^2/NDF:20977.2/2

+ sign 27.884+/-0.007 χ^2/NDF: 4268576.7/20

All: 27.899+/-0.005 χ^2/NDF: 6851286.3/42

- sign 27.915+/-0.007 χ^2/NDF: 2582699.3/21



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/4

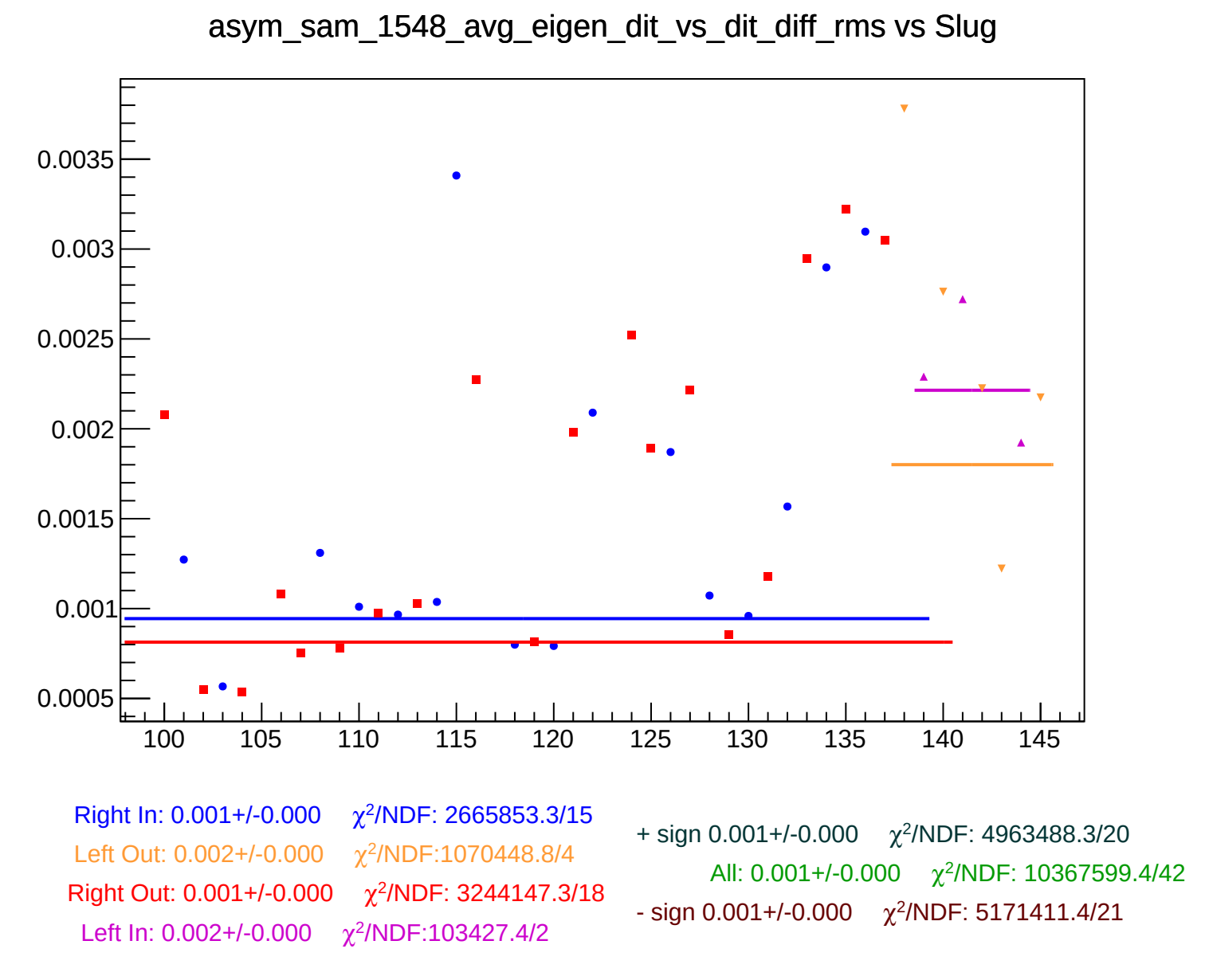
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

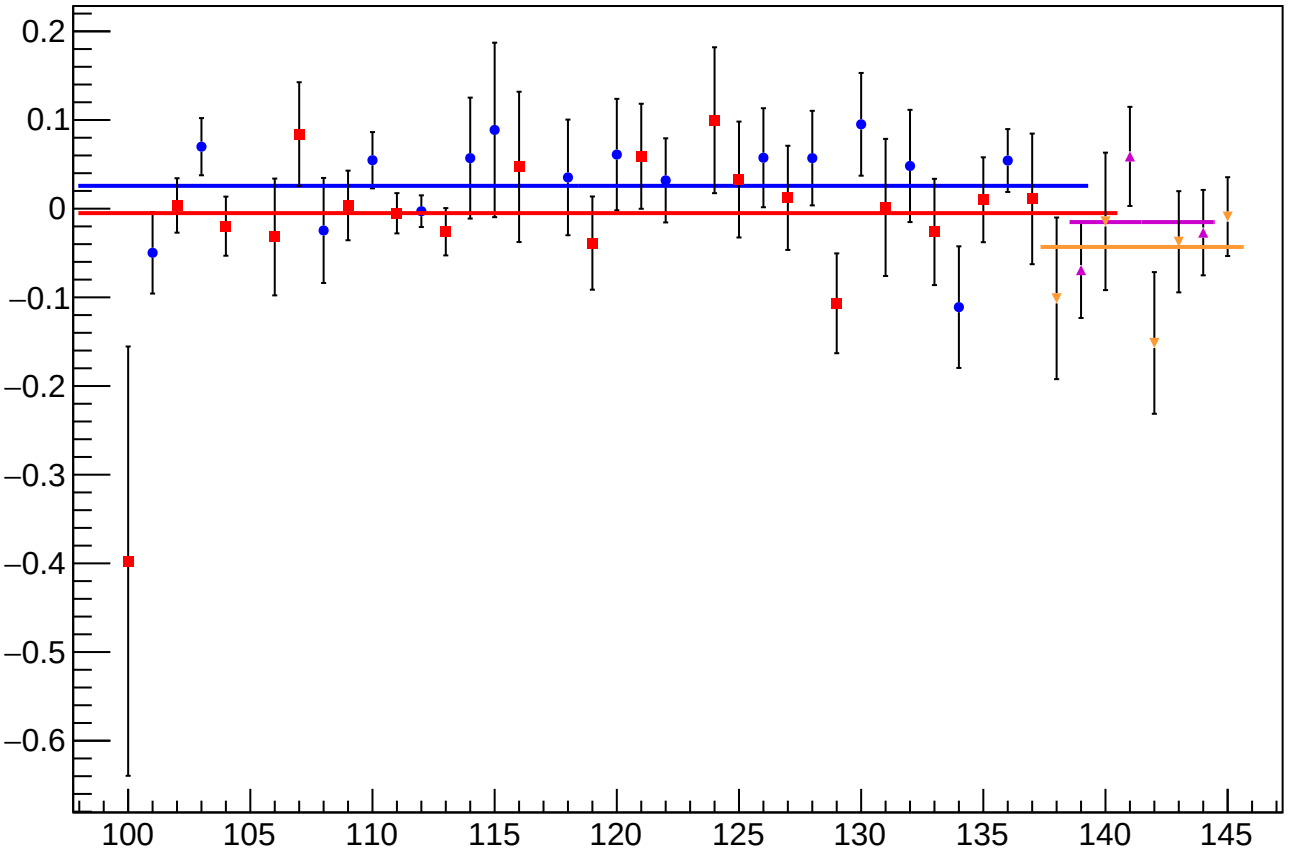
Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/20

All: 0.000+/-0.000 χ^2/NDF: 43.0/42

- sign 0.000+/-0.000 χ^2/NDF: 14.7/21


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
105
110
115
120
125
130
135
140
145
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:103427.4/2
+ sign 0.001+/-0.000 χ²/NDF: 4963488.3/20
All: 0.001+/-0.000 χ²/NDF: 10367599.4/42
- sign 0.001+/-0.000 χ²/NDF: 5171411.4/21



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.043+/-0.028 χ^2/NDF:3.0/4

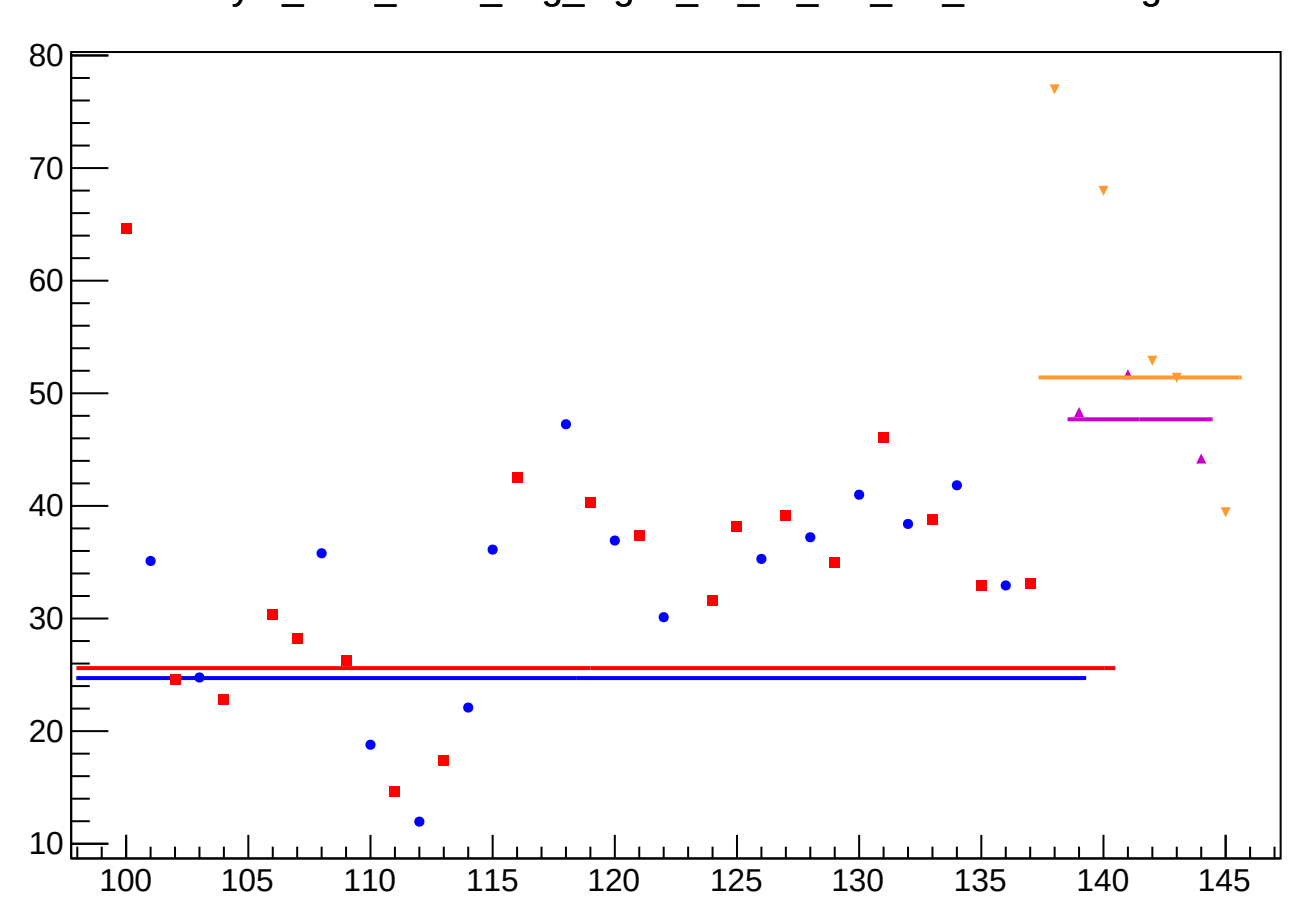
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.015+/-0.030 χ^2/NDF:2.8/2

+ sign 0.018+/-0.010 χ^2/NDF: 24.8/20

All: 0.006+/-0.007 χ^2/NDF: 44.2/42

- sign -0.006+/-0.010 χ^2/NDF: 16.5/21



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 51.405+/-0.020 χ^2/NDF:394858.6/4

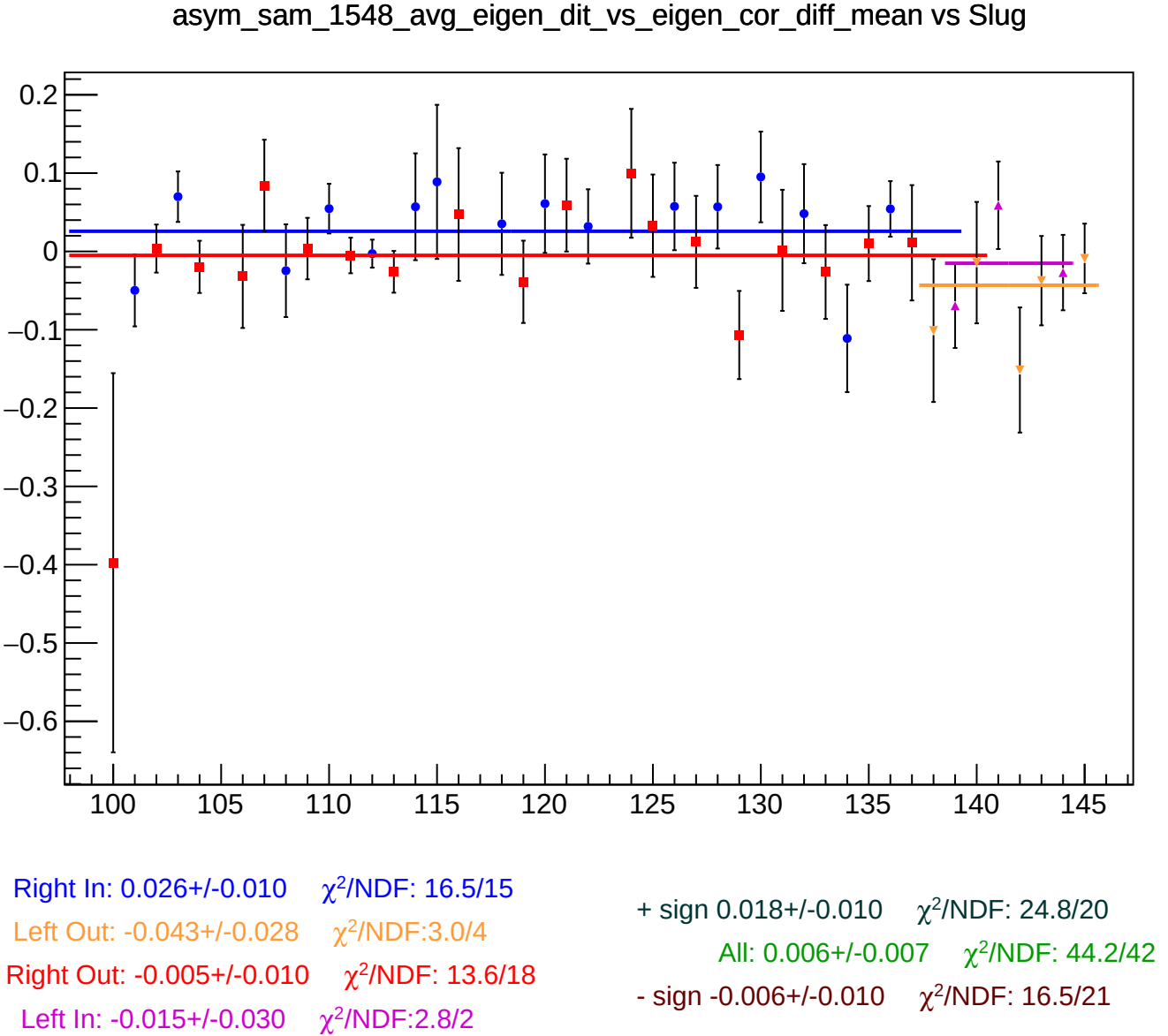
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

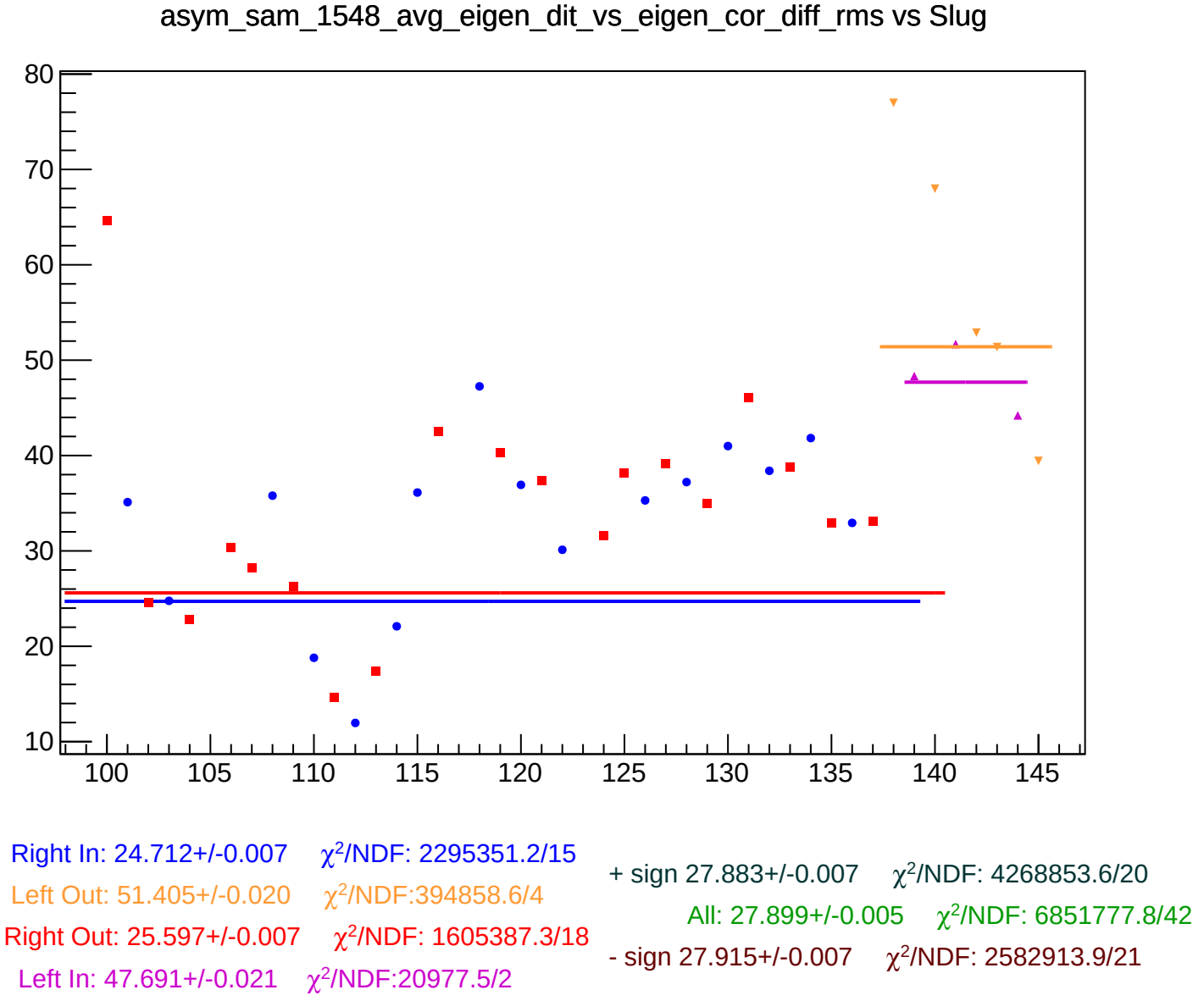
Left In: 47.691+/-0.021 χ^2/NDF:20977.5/2

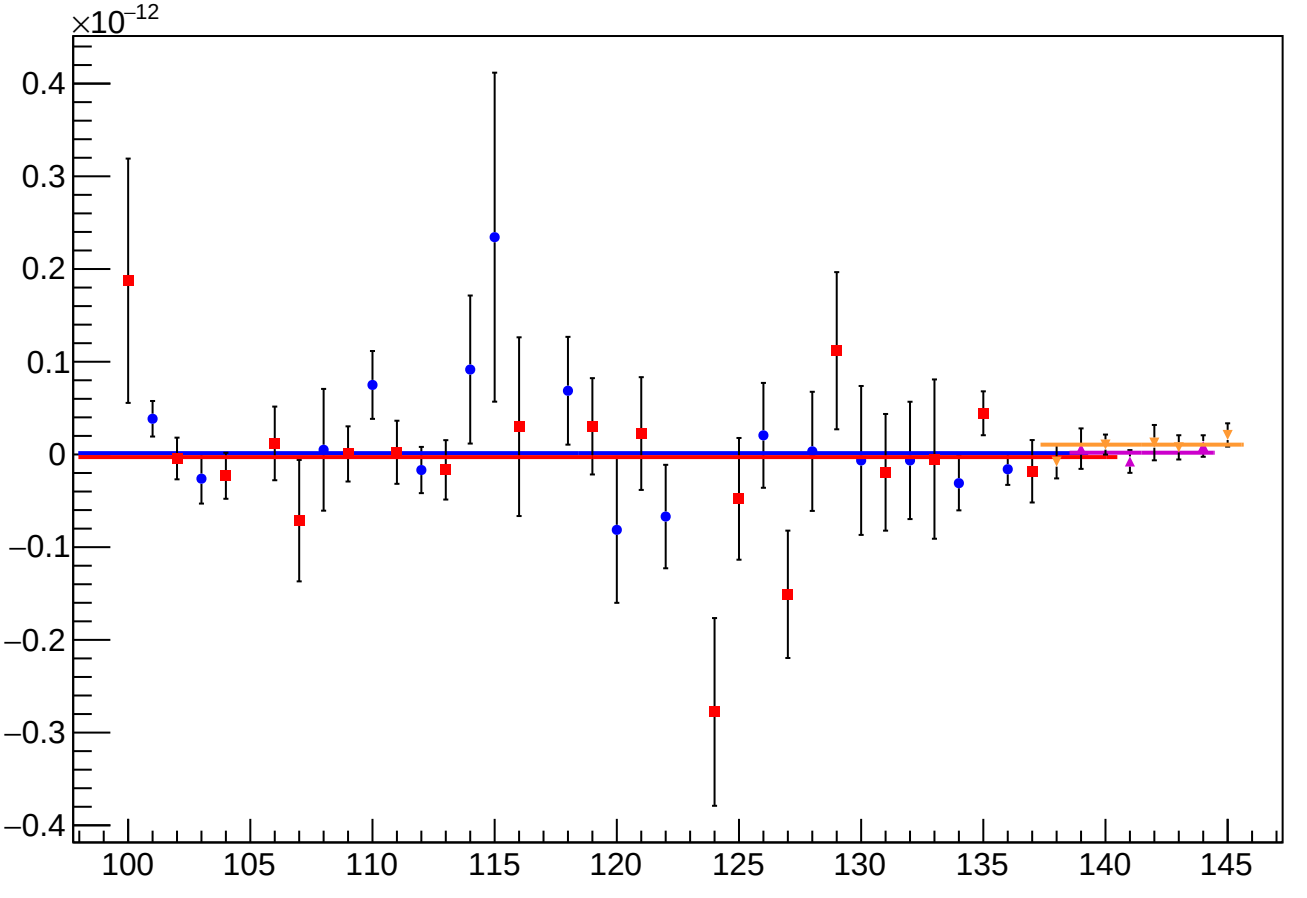
+ sign 27.883+/-0.007 χ^2/NDF: 4268853.6/20

All: 27.899+/-0.005 χ^2/NDF: 6851777.8/42

- sign 27.915+/-0.007 χ^2/NDF: 2582913.9/21


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
105
110
115
120
125
130
135
140
145
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: -0.015+/-0.030 χ²/NDF:2.8/2
+ sign 0.018+/-0.010 χ²/NDF: 24.8/20
All: 0.006+/-0.007 χ²/NDF: 44.2/42
- sign -0.006+/-0.010 χ²/NDF: 16.5/21


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
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: 47.691+/-0.021 χ²/NDF:20977.5/2
+ sign 27.883+/-0.007 χ²/NDF: 4268853.6/20
All: 27.899+/-0.005 χ²/NDF: 6851777.8/42
- sign 27.915+/-0.007 χ²/NDF: 2582913.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/4

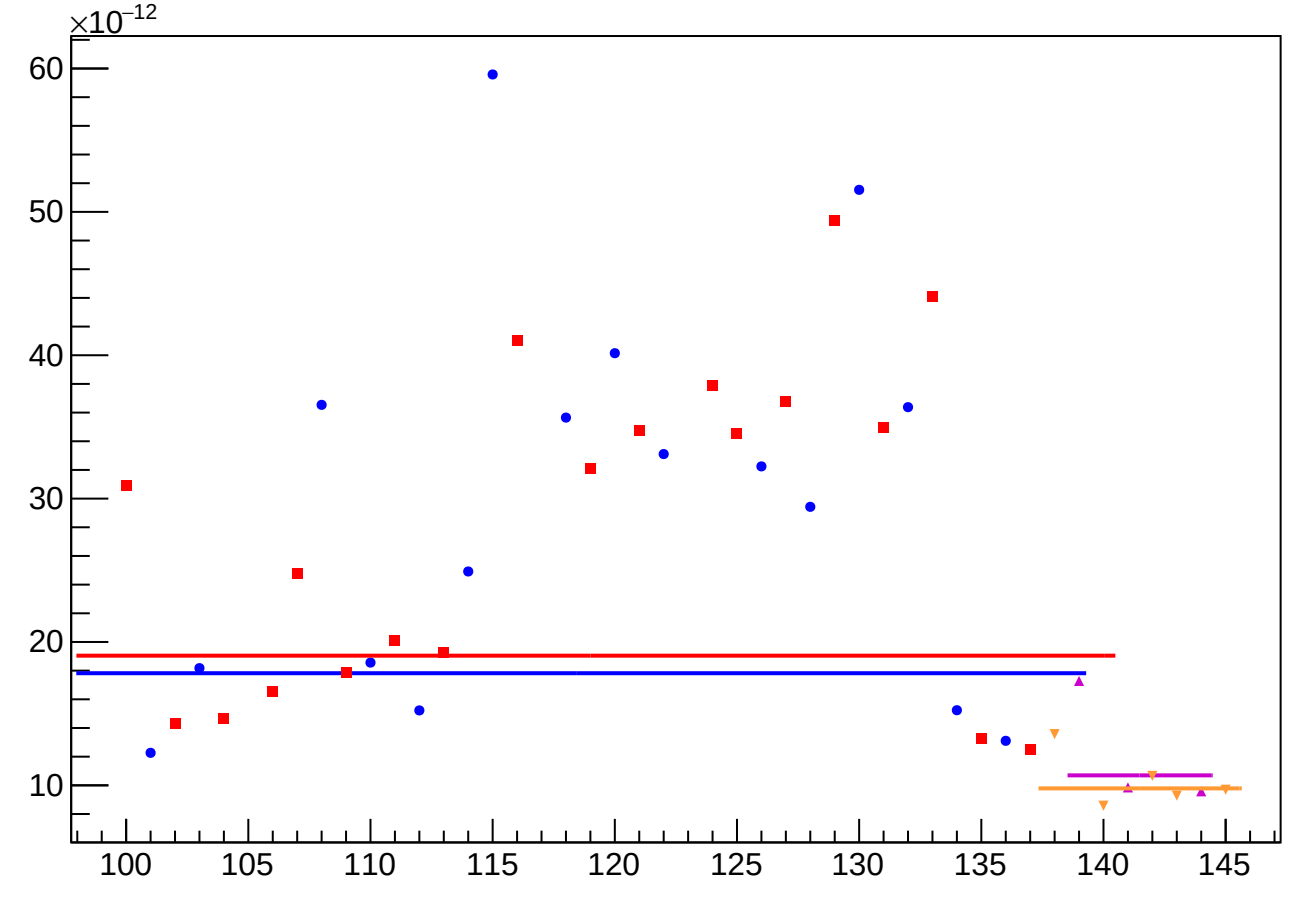
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/20

All: 0.000+/-0.000 χ^2/NDF: 46.8/42

- sign -0.000+/-0.000 χ^2/NDF: 24.6/21



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

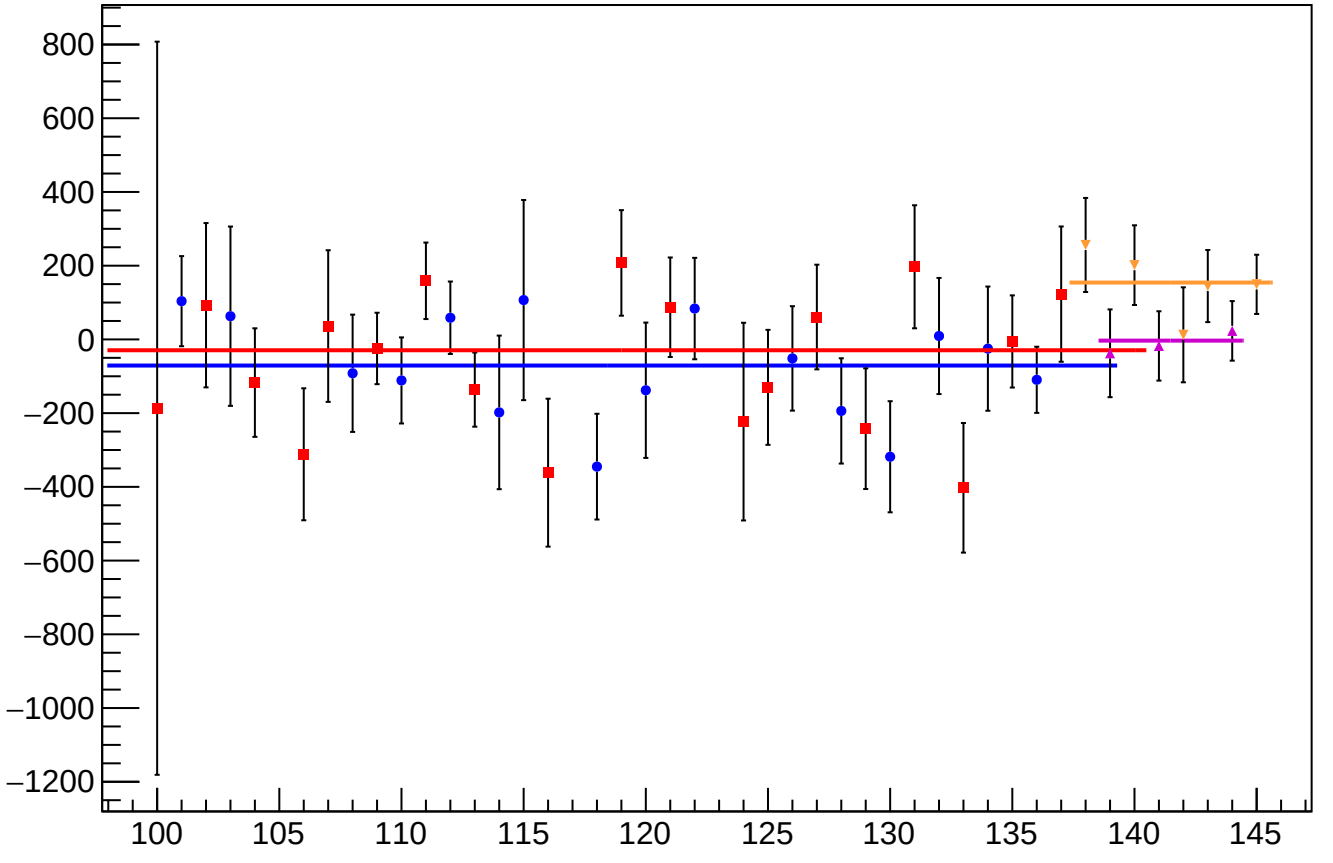
Left In: 0.000+/-0.000 χ^2/NDF:209612.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 3131699.6/20

All: 0.000+/-0.000 χ^2/NDF: 6025780.5/42

- sign 0.000+/-0.000 χ^2/NDF: 2789215.9/21

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

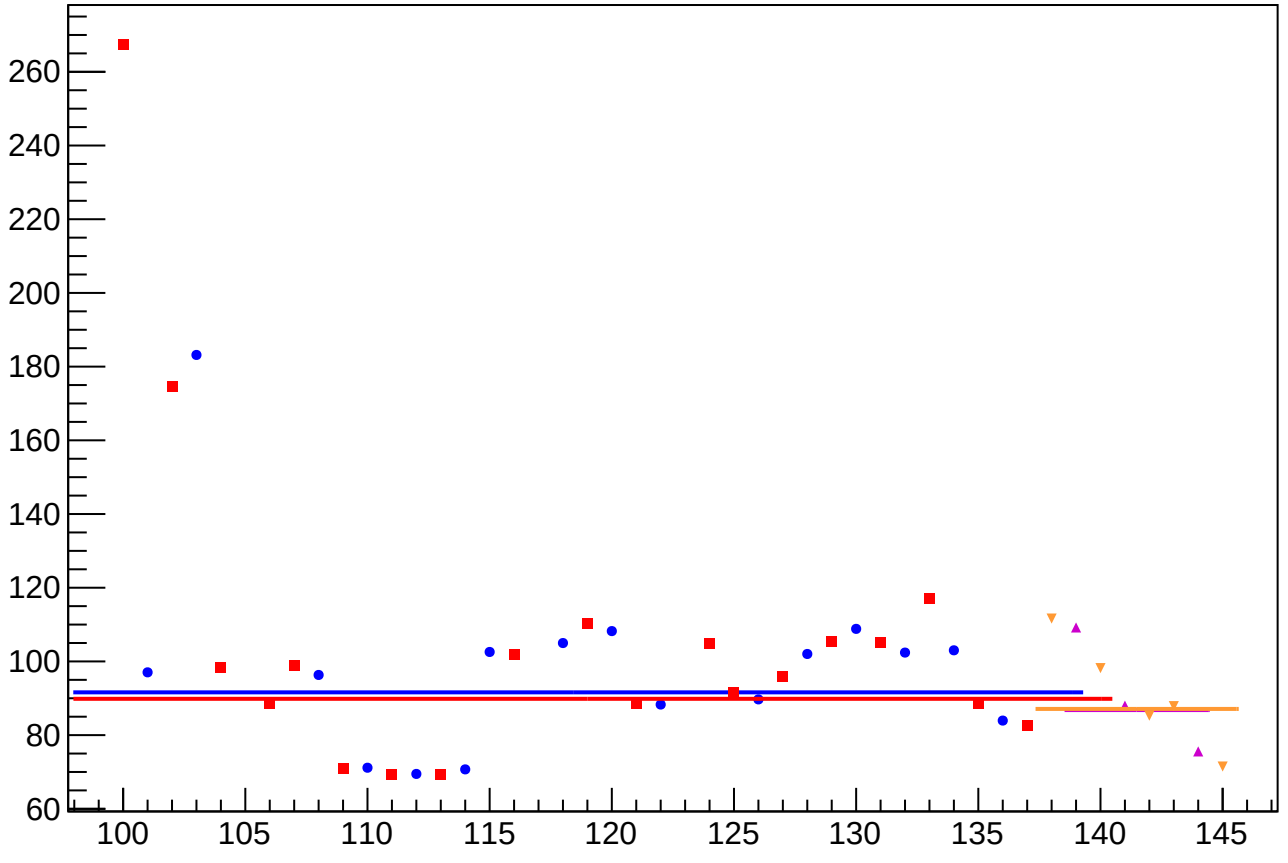
Left In: -3.296+/-54.488 χ^2/NDF:0.2/2

+ sign 11.357+/-27.981 χ^2/NDF: 31.1/20

All: -4.737+/-20.134 χ^2/NDF: 56.2/42

- sign -22.016+/-28.993 χ^2/NDF: 24.4/21

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

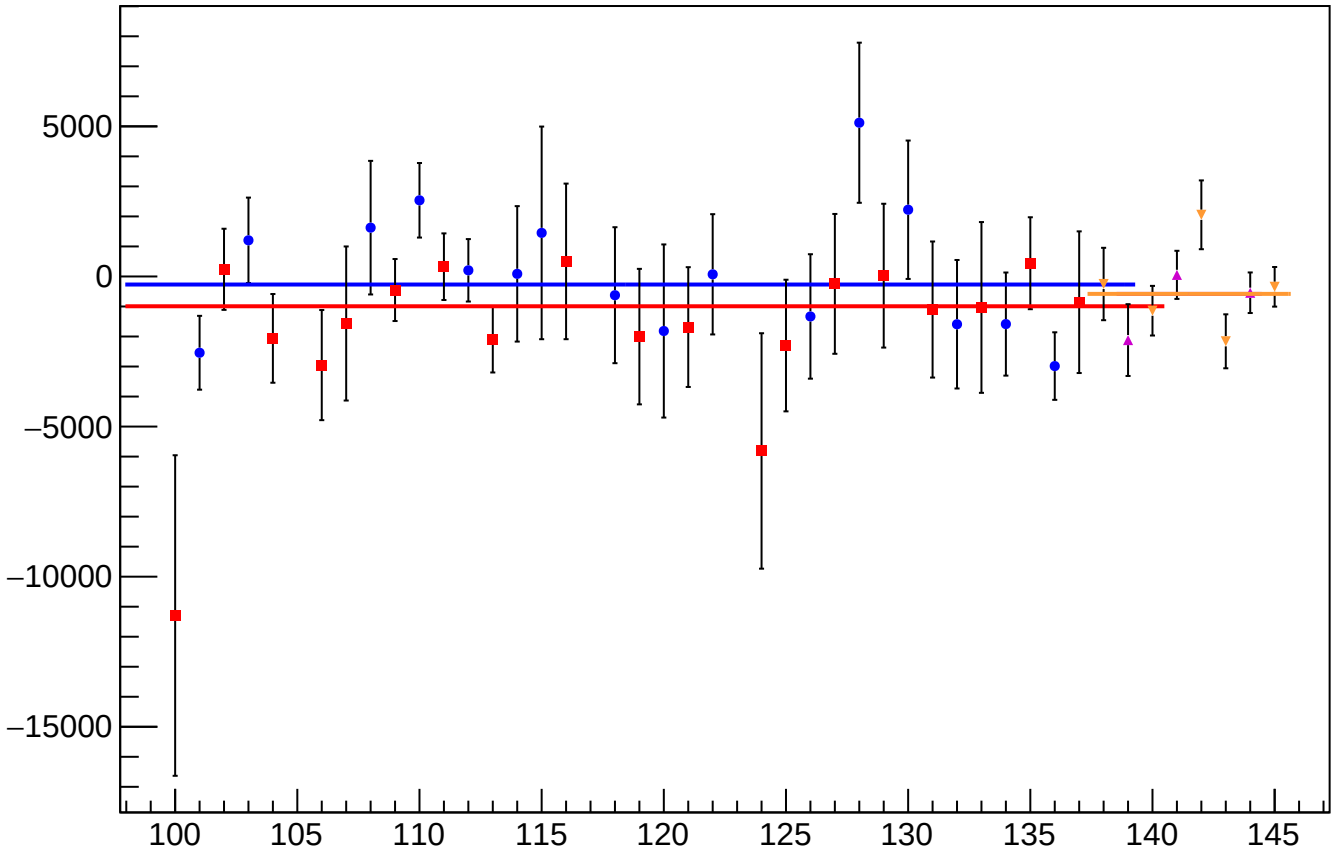
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 86.800+/-0.039 χ^2/NDF:109832.3/2

+ sign 89.965+/-0.020 χ^2/NDF: 763708.2/20

All: 89.494+/-0.014 χ^2/NDF: 1625507.1/42

- sign 88.990+/-0.021 χ^2/NDF: 860627.5/21



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -580.244+/-393.870 χ^2/NDF:9.0/4

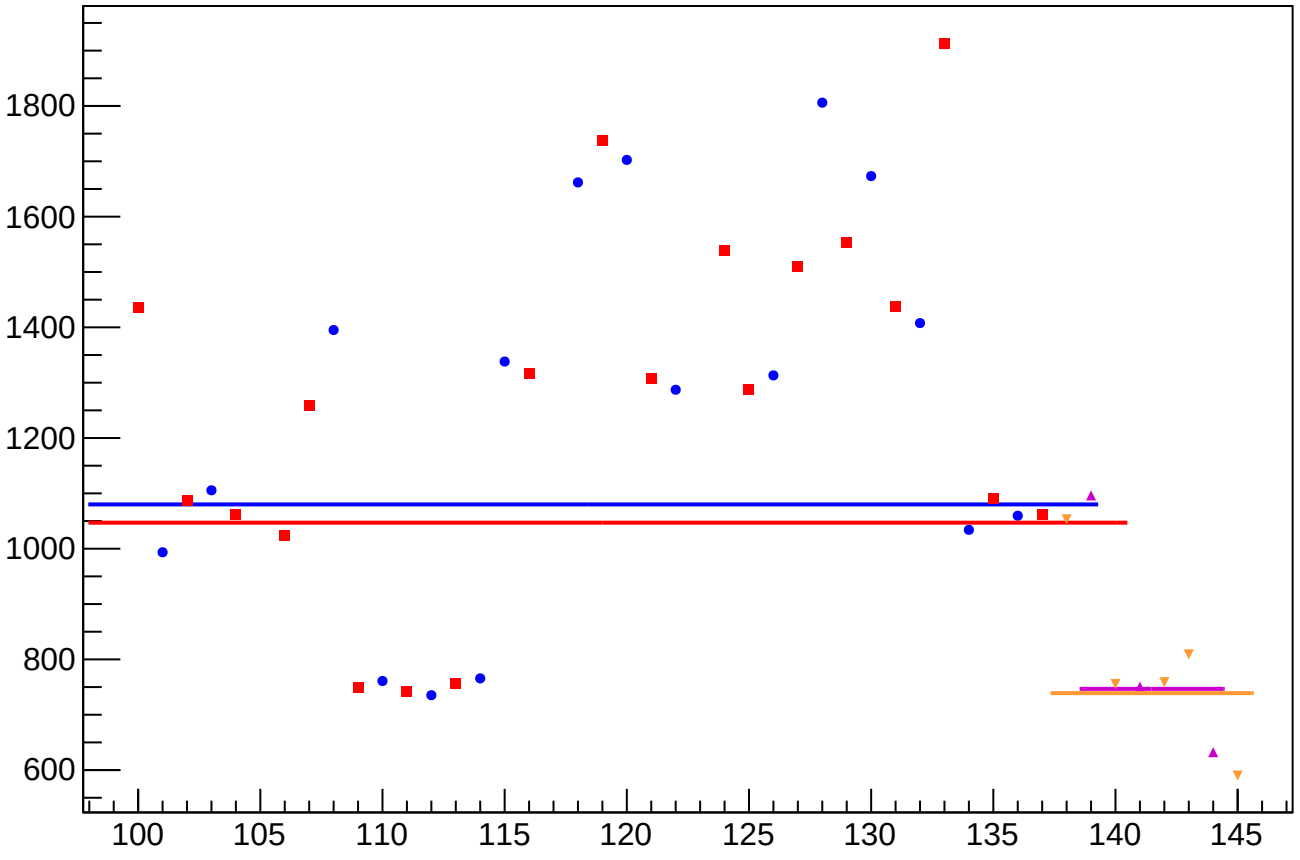
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -581.395+/-474.247 χ^2/NDF:2.3/2

+ sign -434.207+/-287.167 χ^2/NDF: 32.8/20

All: -615.393+/-209.441 χ^2/NDF: 49.0/42

- sign -821.299+/-306.131 χ^2/NDF: 15.4/21



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

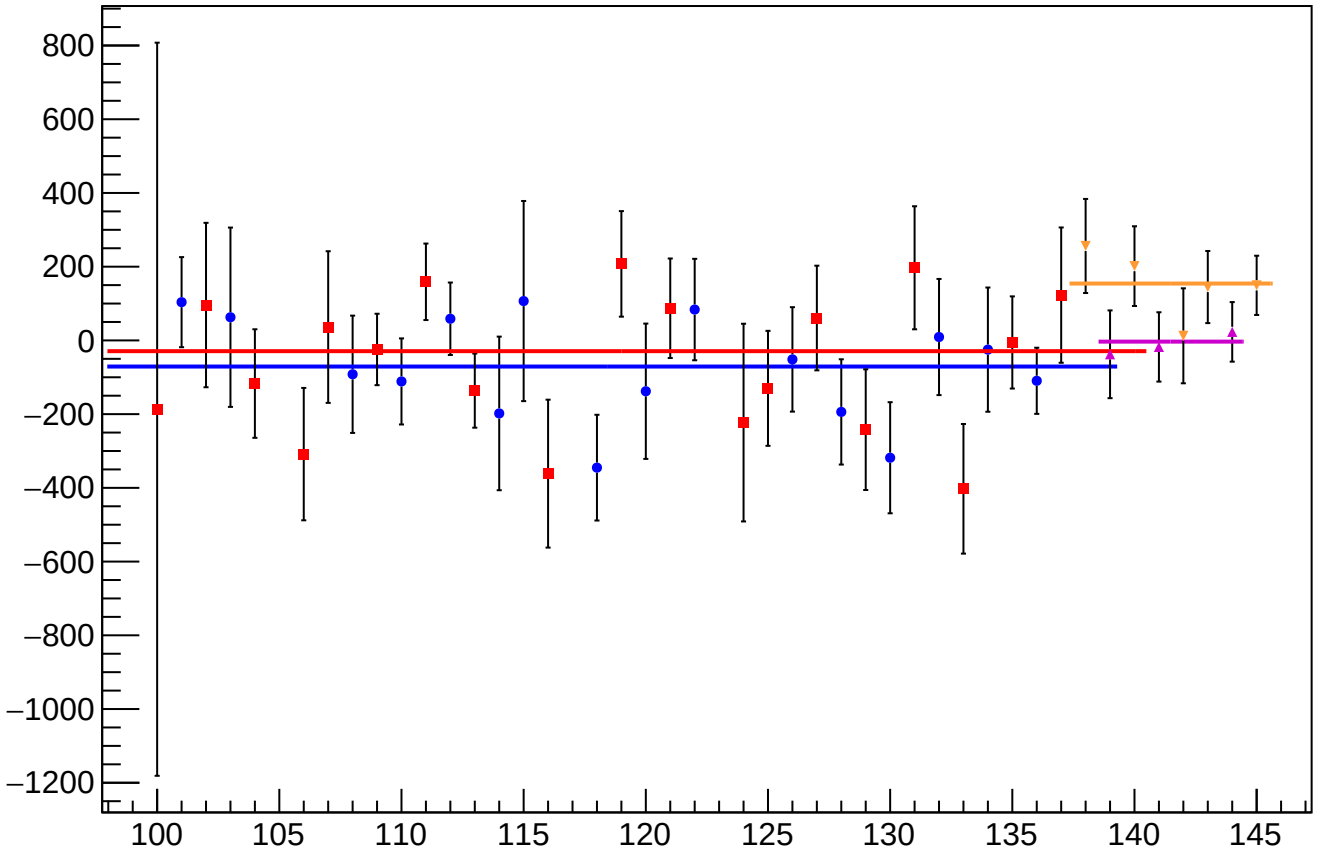
Left In: 746.775+/-0.335 χ^2/NDF:228210.7/2

\+ sign 898.776+/-0.203 χ^2/NDF: 2006751.1/20

All: 909.619+/-0.148 χ^2/NDF: 3907452.7/42

\- sign 921.941+/-0.216 χ^2/NDF: 1894609.9/21

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

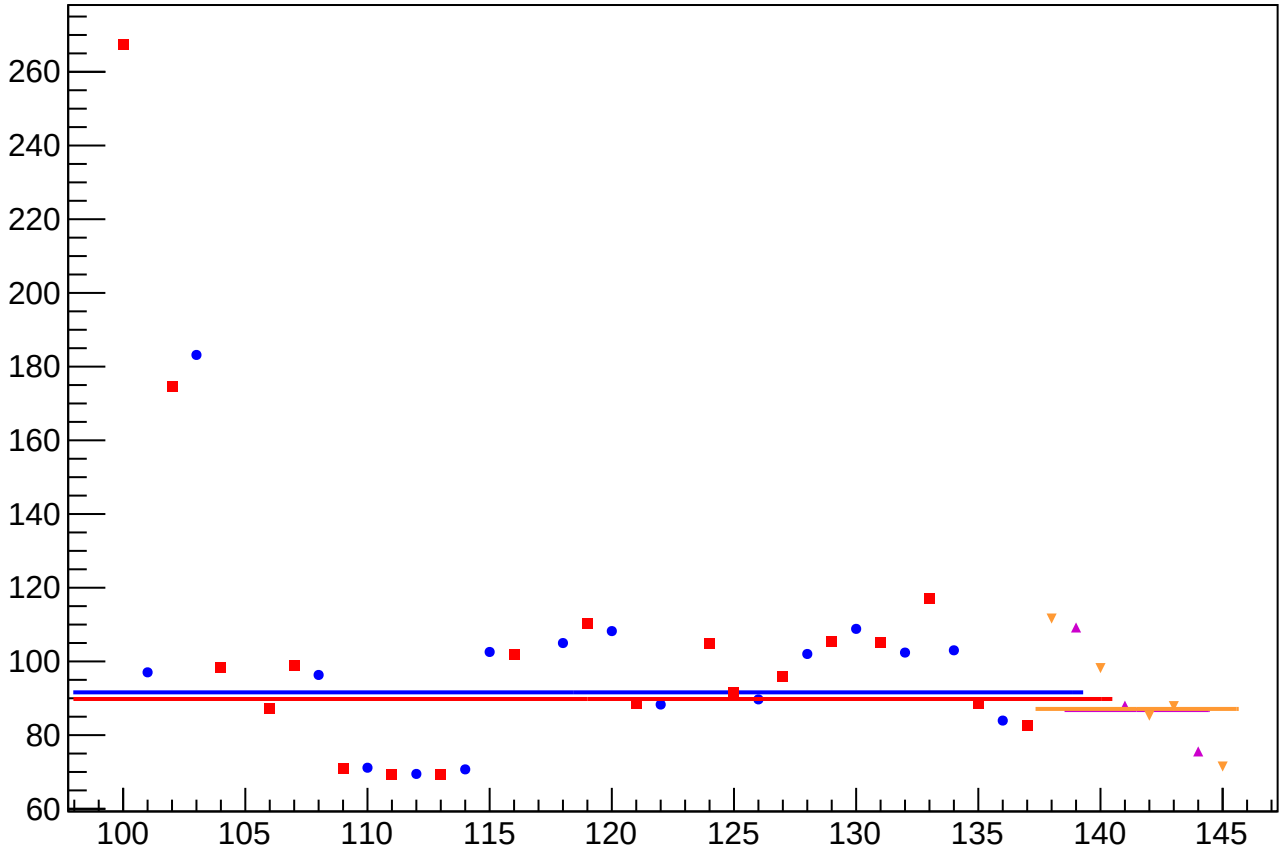
Left In: -3.298+/-54.488 χ^2/NDF:0.2/2

+ sign 11.355+/-27.981 χ^2/NDF: 31.1/20

All: -4.650+/-20.135 χ^2/NDF: 56.1/42

- sign -21.836+/-28.996 χ^2/NDF: 24.3/21

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

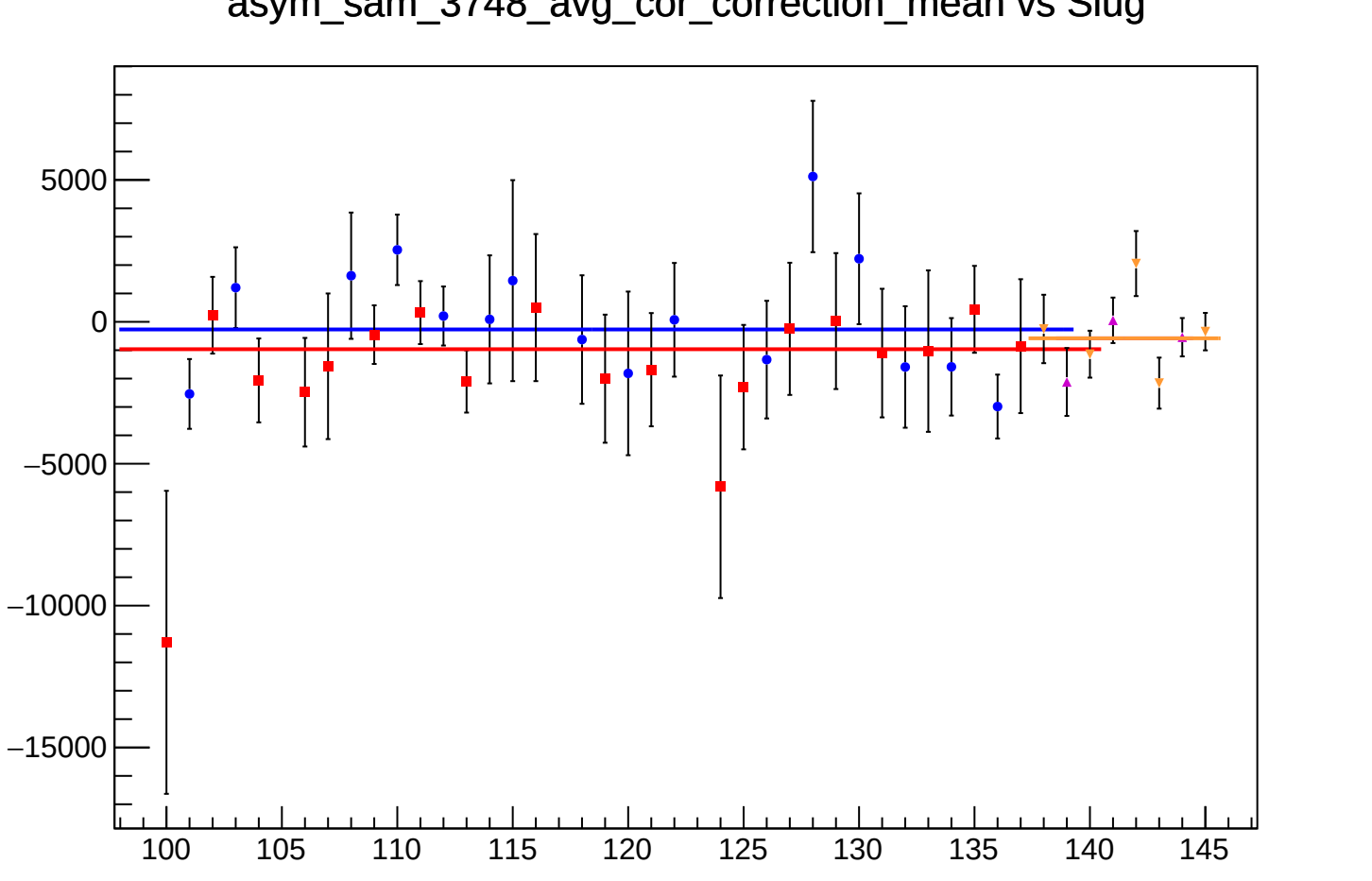
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 86.800+/-0.039 χ^2/NDF:109832.3/2

+ sign 89.965+/-0.020 χ^2/NDF: 763711.3/20

All: 89.478+/-0.014 χ^2/NDF: 1625998.7/42

- sign 88.955+/-0.021 χ^2/NDF: 861032.6/21



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

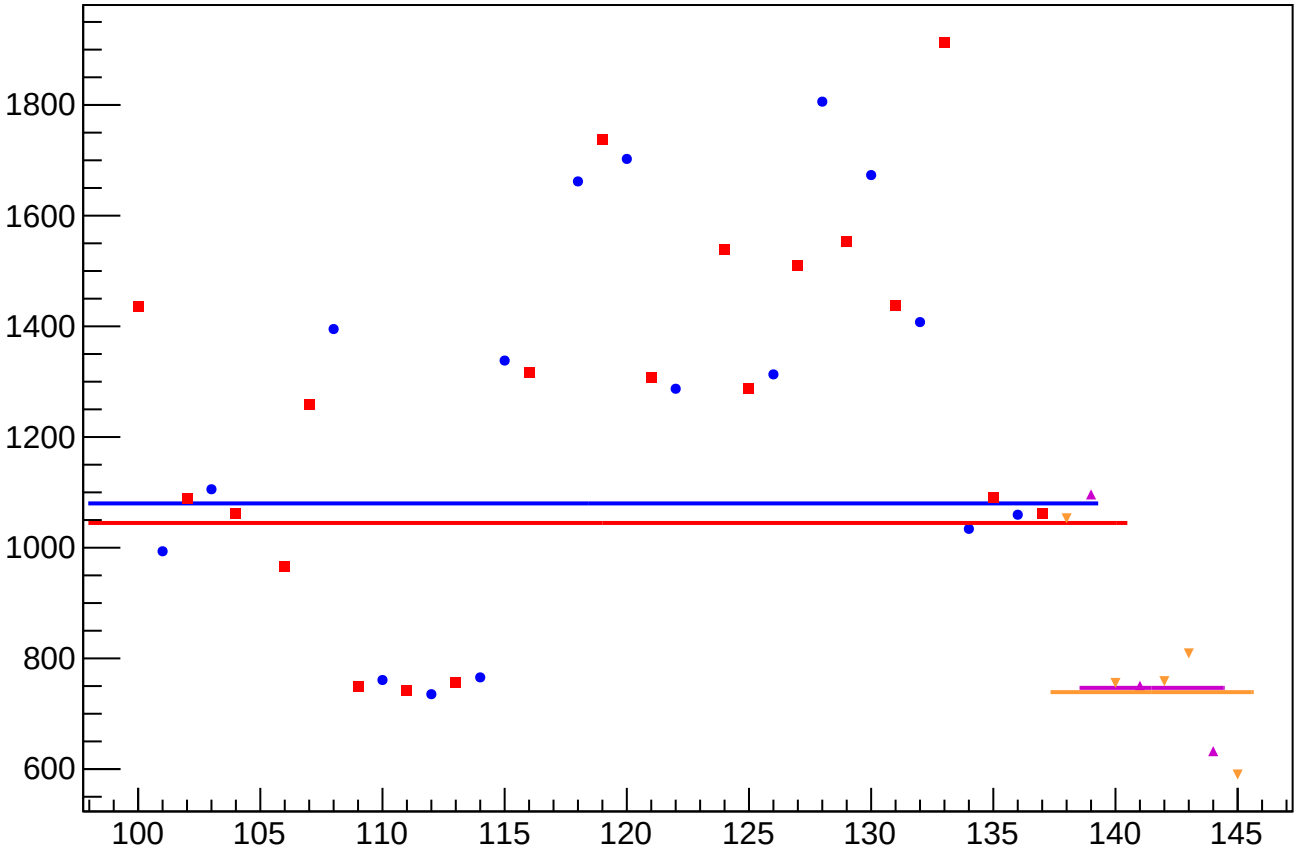
Left In: -581.407+/-474.247 χ^2/NDF:2.3/2

+ sign -434.213+/-287.168 χ^2/NDF: 32.8/20

All: -607.447+/-209.556 χ^2/NDF: 48.3/42

- sign -804.780+/-306.490 χ^2/NDF: 14.8/21

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

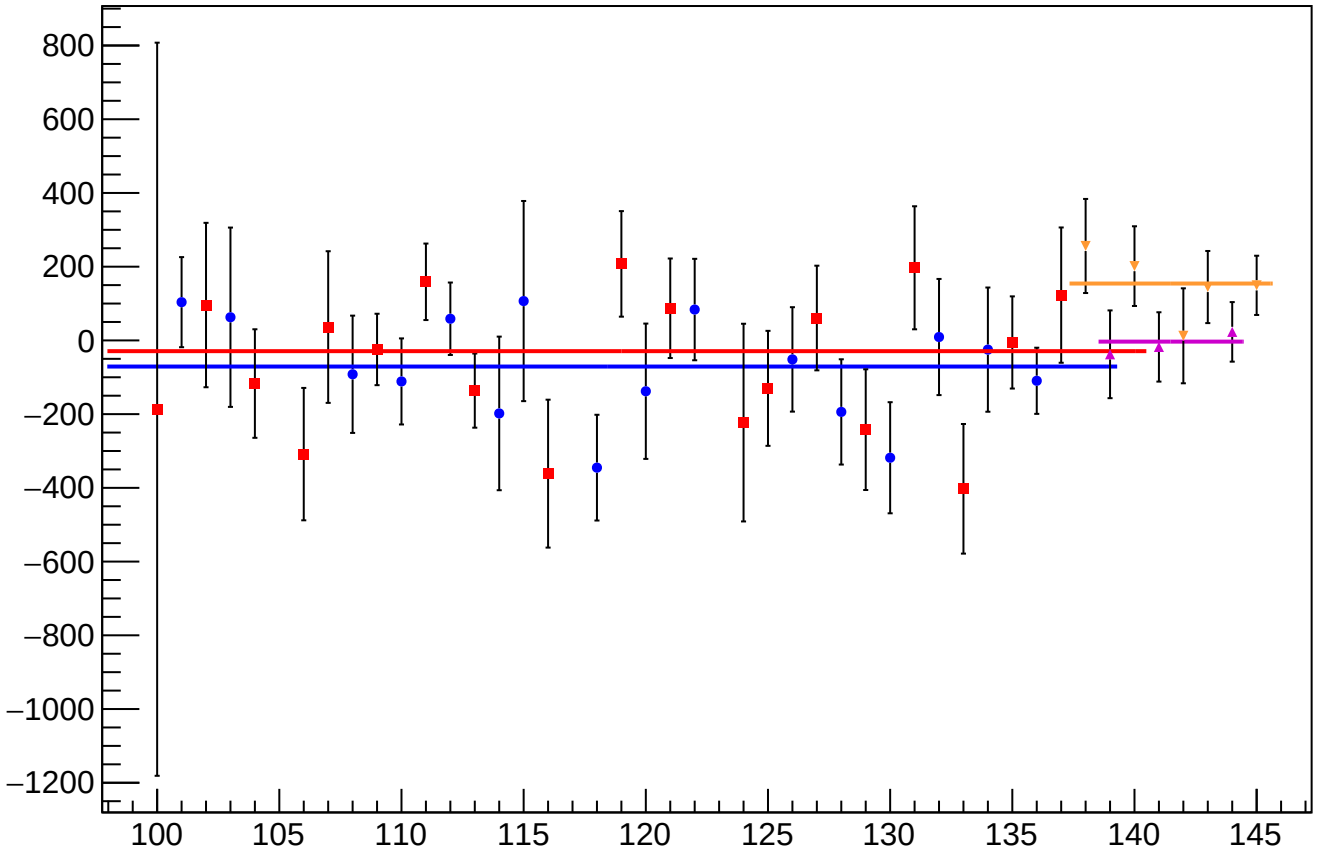
Left In: 746.775+/-0.335 χ^2/NDF:228210.1/2

+ sign 898.778+/-0.203 χ^2/NDF: 2006789.9/20

All: 908.829+/-0.148 χ^2/NDF: 3901748.6/42

- sign 920.278+/-0.217 χ^2/NDF: 1889717.9/21

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

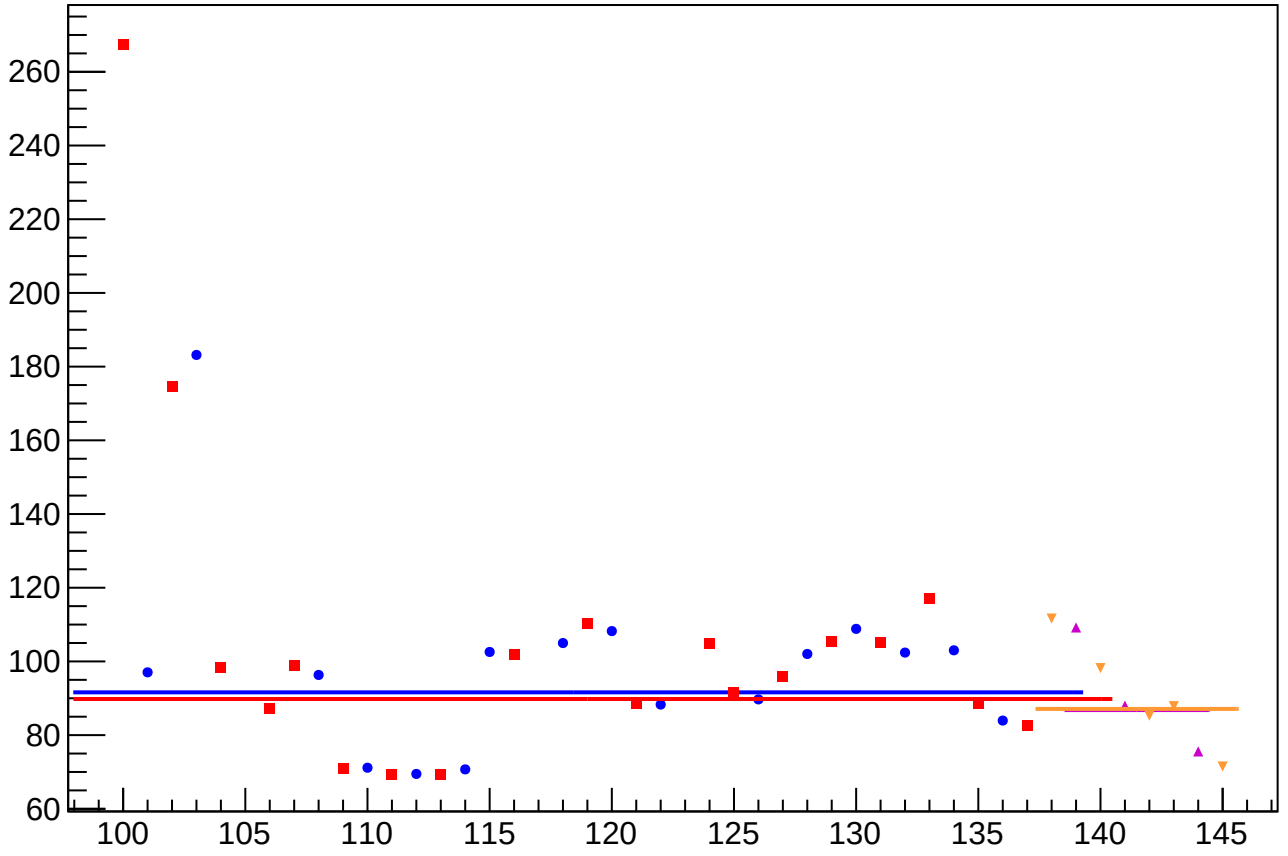
Left In: -3.298+/-54.488 χ^2/NDF:0.2/2

+ sign 11.355+/-27.981 χ^2/NDF: 31.1/20

All: -4.650+/-20.135 χ^2/NDF: 56.1/42

- sign -21.836+/-28.996 χ^2/NDF: 24.3/21

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

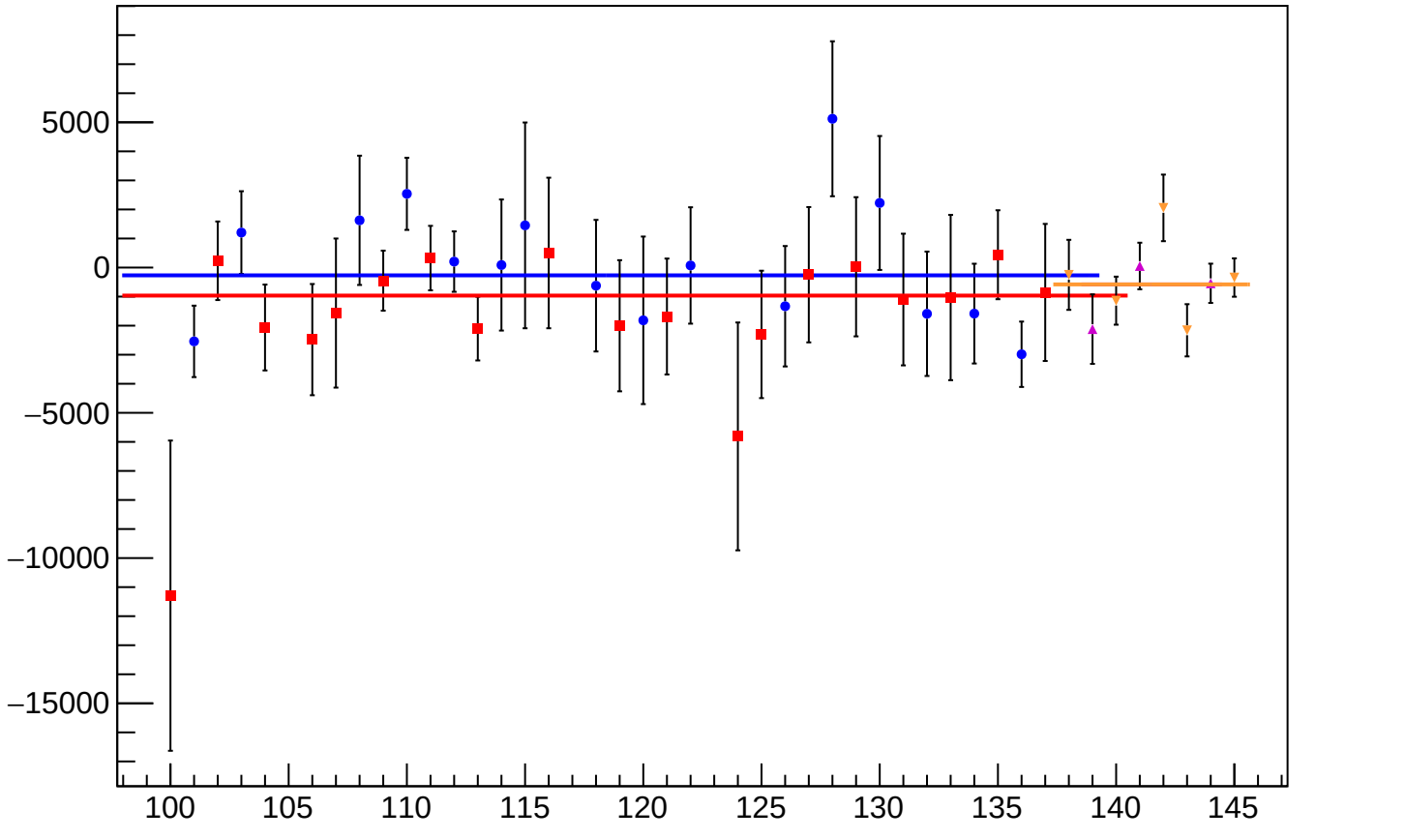
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 86.800+/-0.039 χ^2/NDF:109832.3/2

+ sign 89.965+/-0.020 χ^2/NDF: 763711.3/20

All: 89.478+/-0.014 χ^2/NDF: 1625998.7/42

- sign 88.955+/-0.021 χ^2/NDF: 861032.6/21



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -580.233+/-393.870 χ^2/NDF:9.0/4

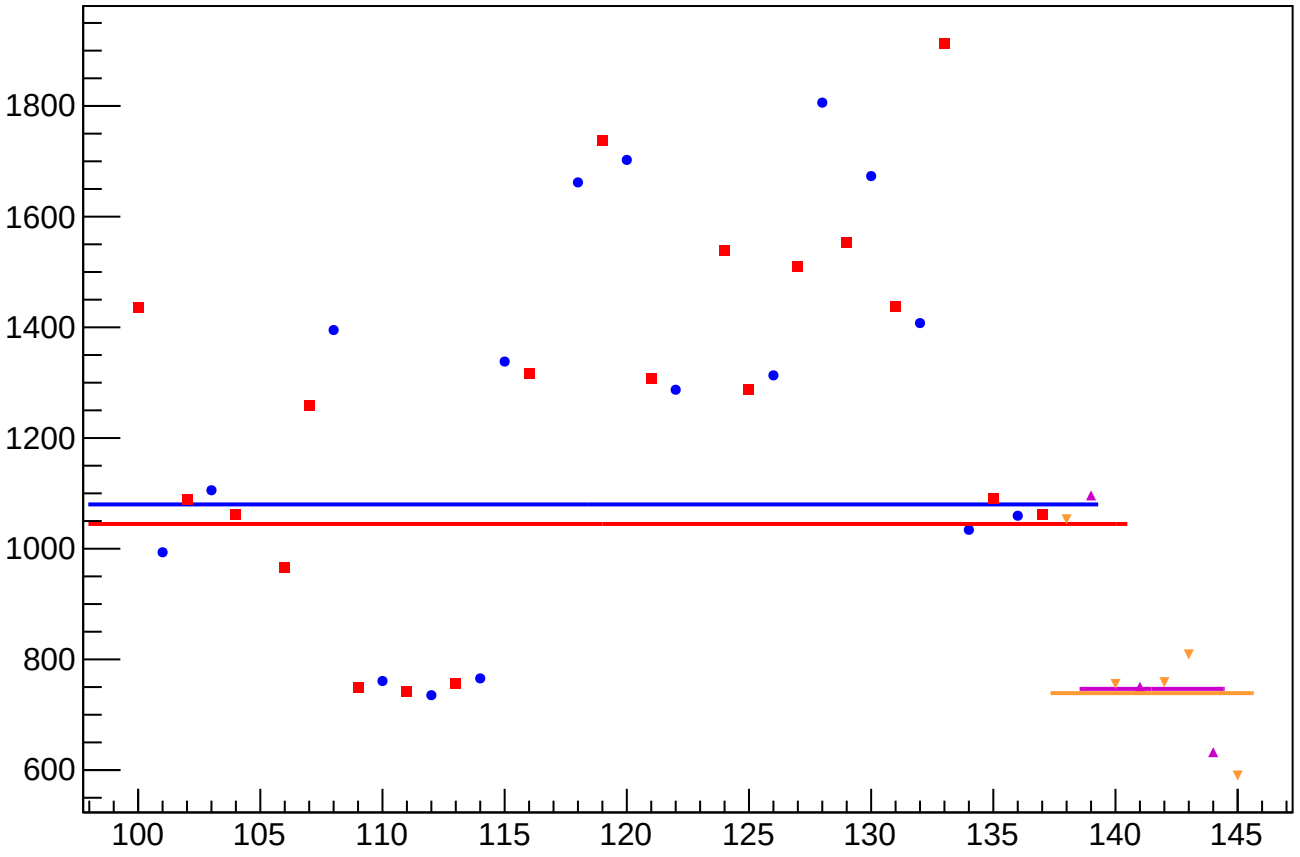
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -581.407+/-474.247 χ^2/NDF:2.3/2

+ sign -434.213+/-287.168 χ^2/NDF: 32.8/20

All: -607.447+/-209.556 χ^2/NDF: 48.3/42

- sign -804.780+/-306.490 χ^2/NDF: 14.8/21



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

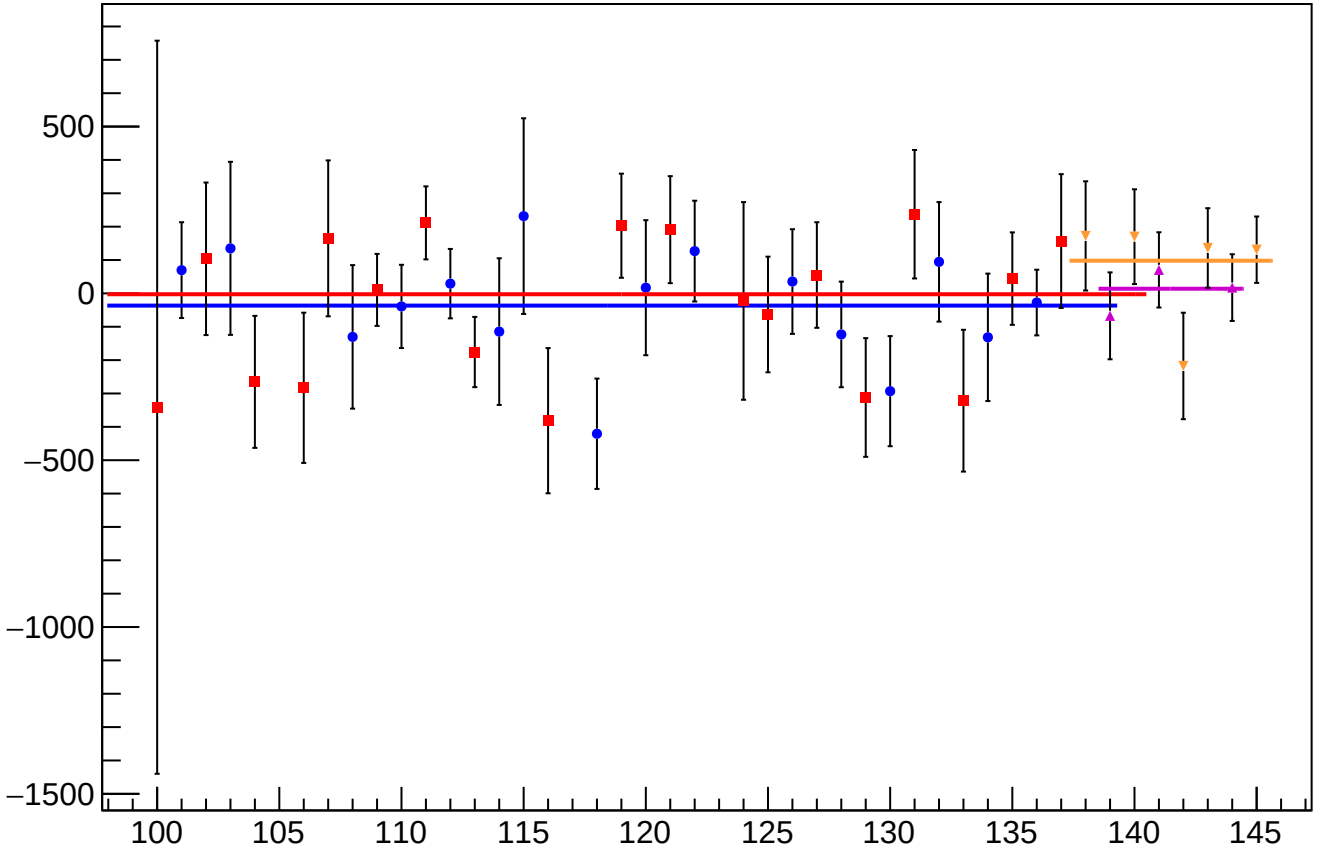
Left In: 746.775+/-0.335 χ^2/NDF:228210.1/2

+ sign 898.778+/-0.203 χ^2/NDF: 2006789.9/20

All: 908.829+/-0.148 χ^2/NDF: 3901748.6/42

- sign 920.278+/-0.217 χ^2/NDF: 1889717.9/21

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

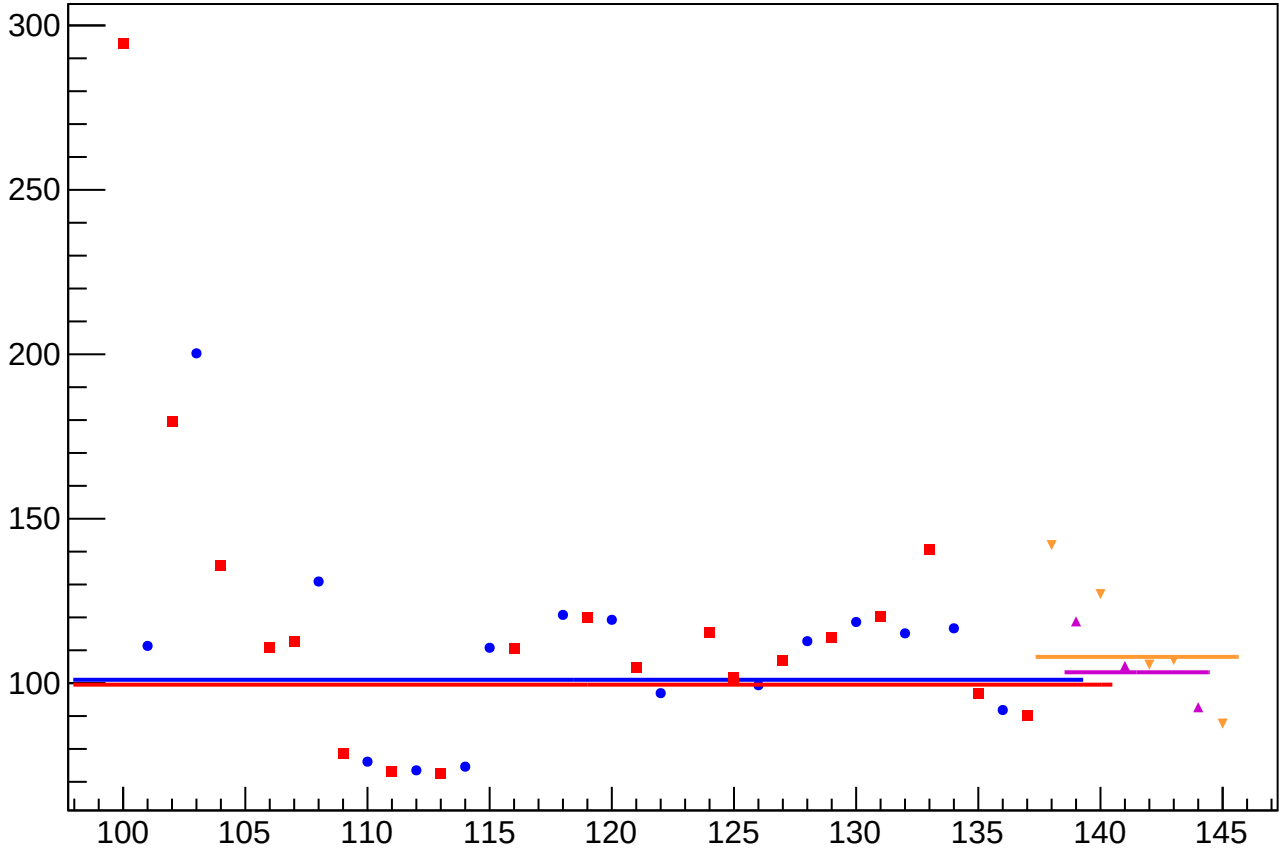
Left In: 13.951+/-64.870 χ^2/NDF:0.6/2

+ sign 5.302+/-32.353 χ^2/NDF: 21.2/20

All: 3.521+/-23.066 χ^2/NDF: 46.6/42

- sign 1.680+/-32.894 χ^2/NDF: 25.4/21

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

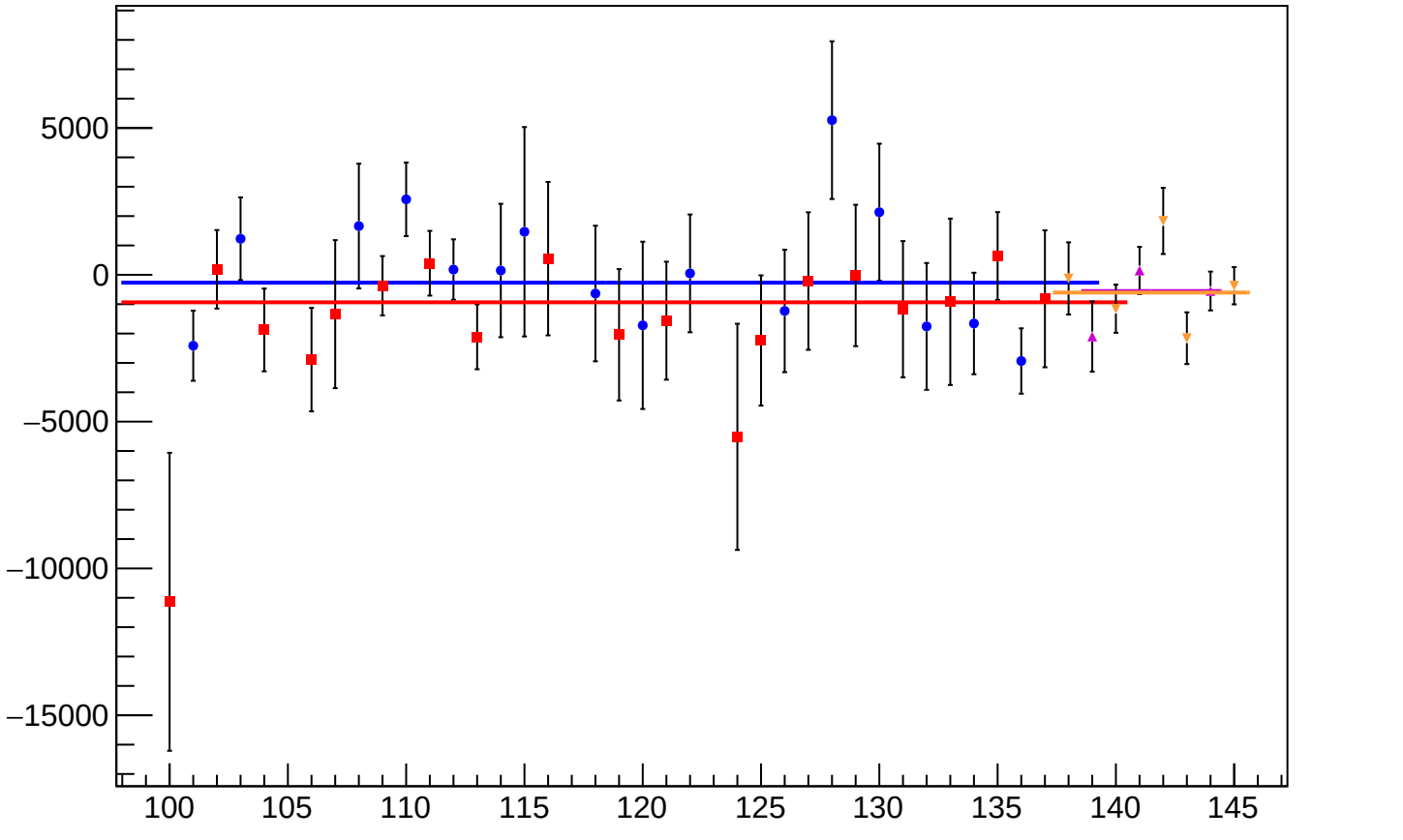
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 103.309+/-0.046 χ^2/NDF:51480.2/2

+ sign 103.200+/-0.023 χ^2/NDF: 942106.4/20

All: 101.880+/-0.016 χ^2/NDF: 1885858.6/42

- sign 100.514+/-0.023 χ^2/NDF: 936975.6/21



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

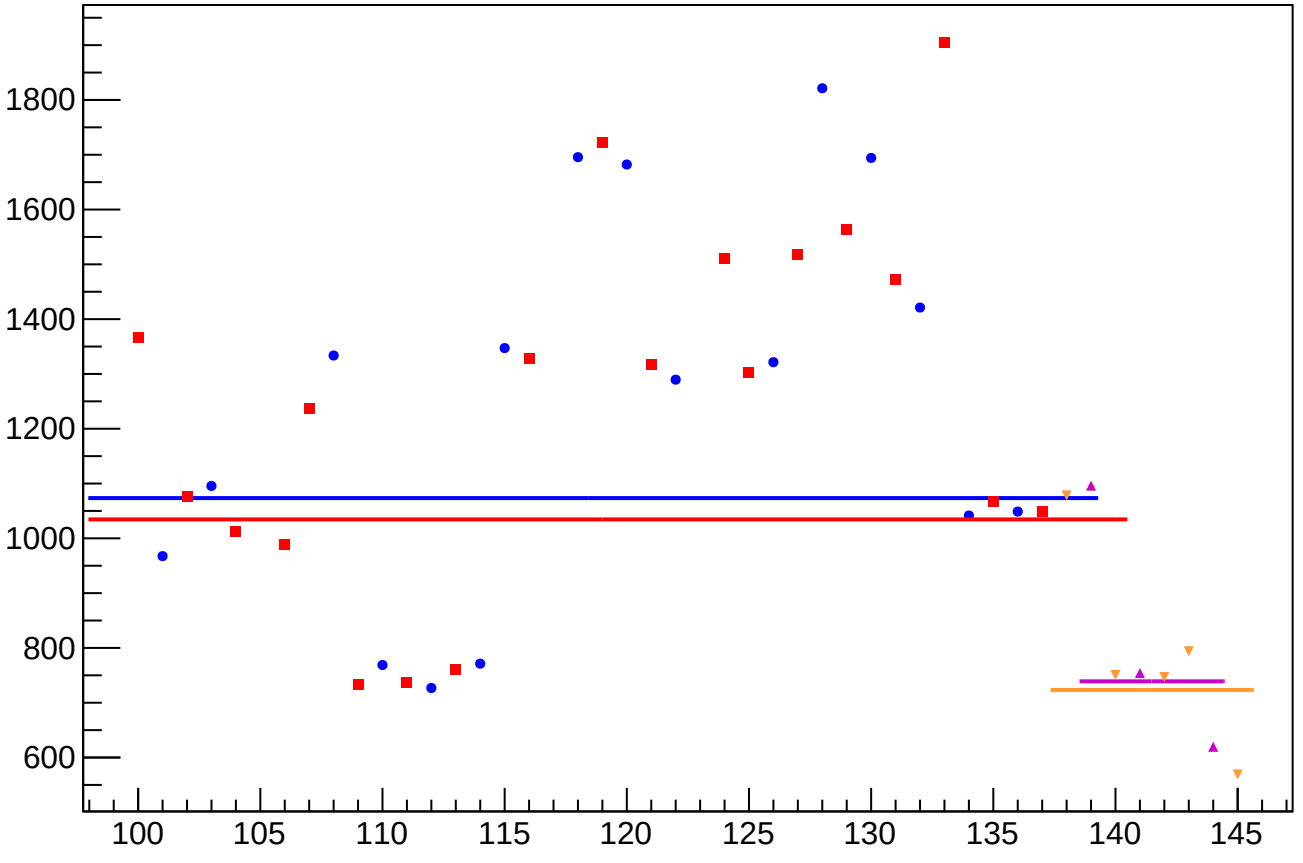
Left In: -552.590+/-469.705 χ^2/NDF:2.4/2

+ sign -449.450+/-283.260 χ^2/NDF: 32.3/20

All: -602.292+/-206.879 χ^2/NDF: 48.9/42

- sign -777.021+/-302.864 χ^2/NDF: 16.0/21

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

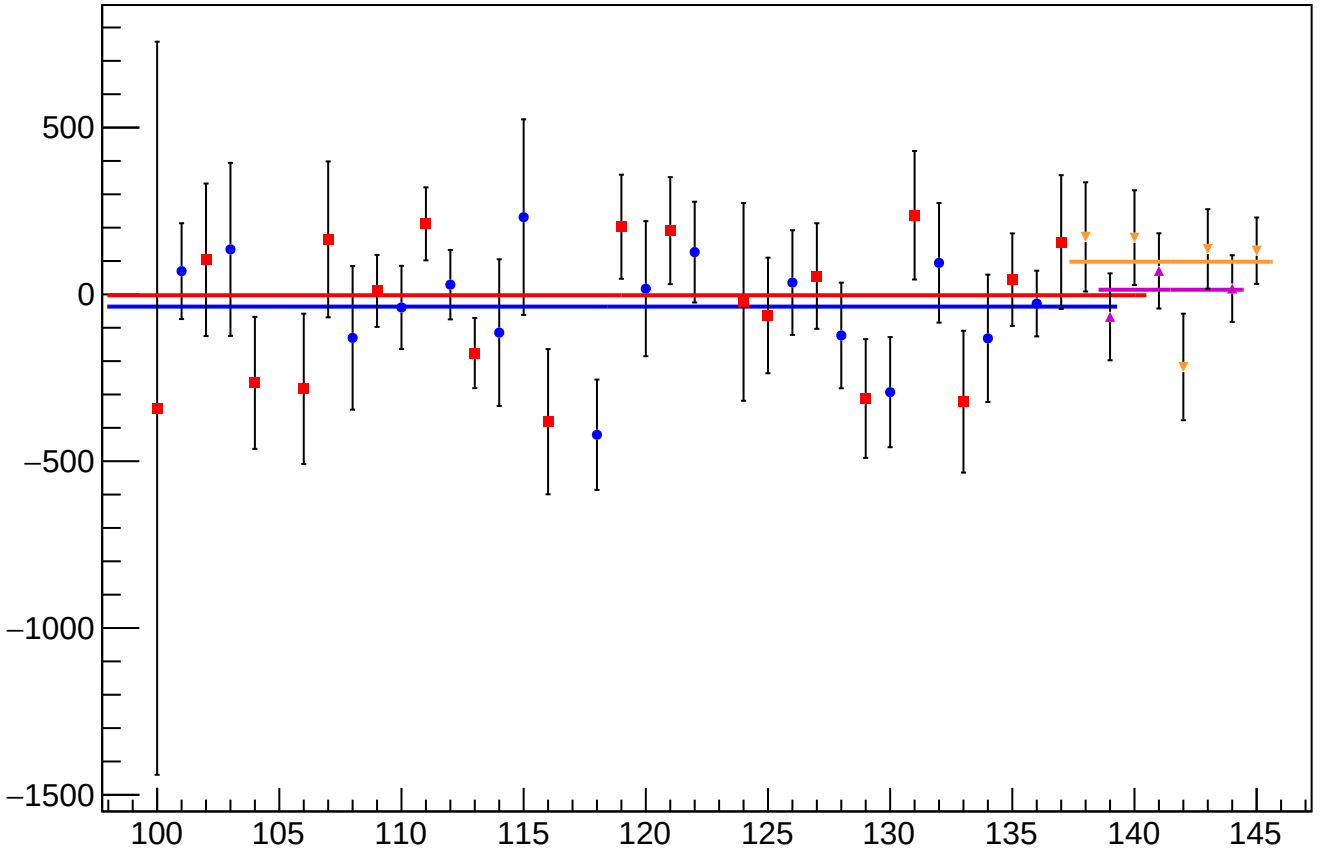
Left In: 739.015+/-0.332 χ^2/NDF:244181.1/2

+ sign 884.843+/-0.200 χ^2/NDF: 2137541.7/20

All: 897.360+/-0.146 χ^2/NDF: 4081971.7/42

- sign 911.669+/-0.214 χ^2/NDF: 1936060.0/21

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

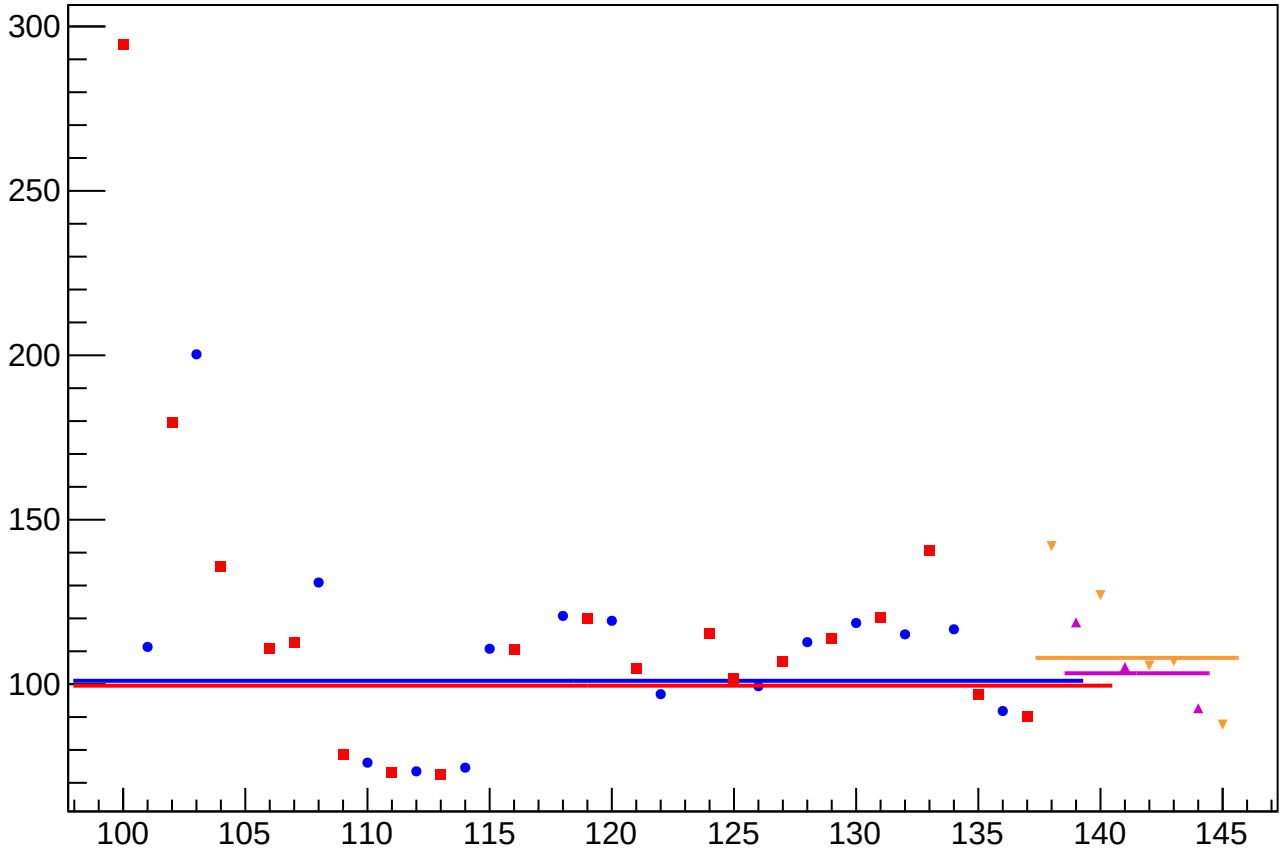
Left In: 13.950+/-64.870 χ^2/NDF:0.6/2

+ sign 5.303+/-32.354 χ^2/NDF: 21.2/20

All: 3.522+/-23.066 χ^2/NDF: 46.6/42

- sign 1.681+/-32.894 χ^2/NDF: 25.4/21

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

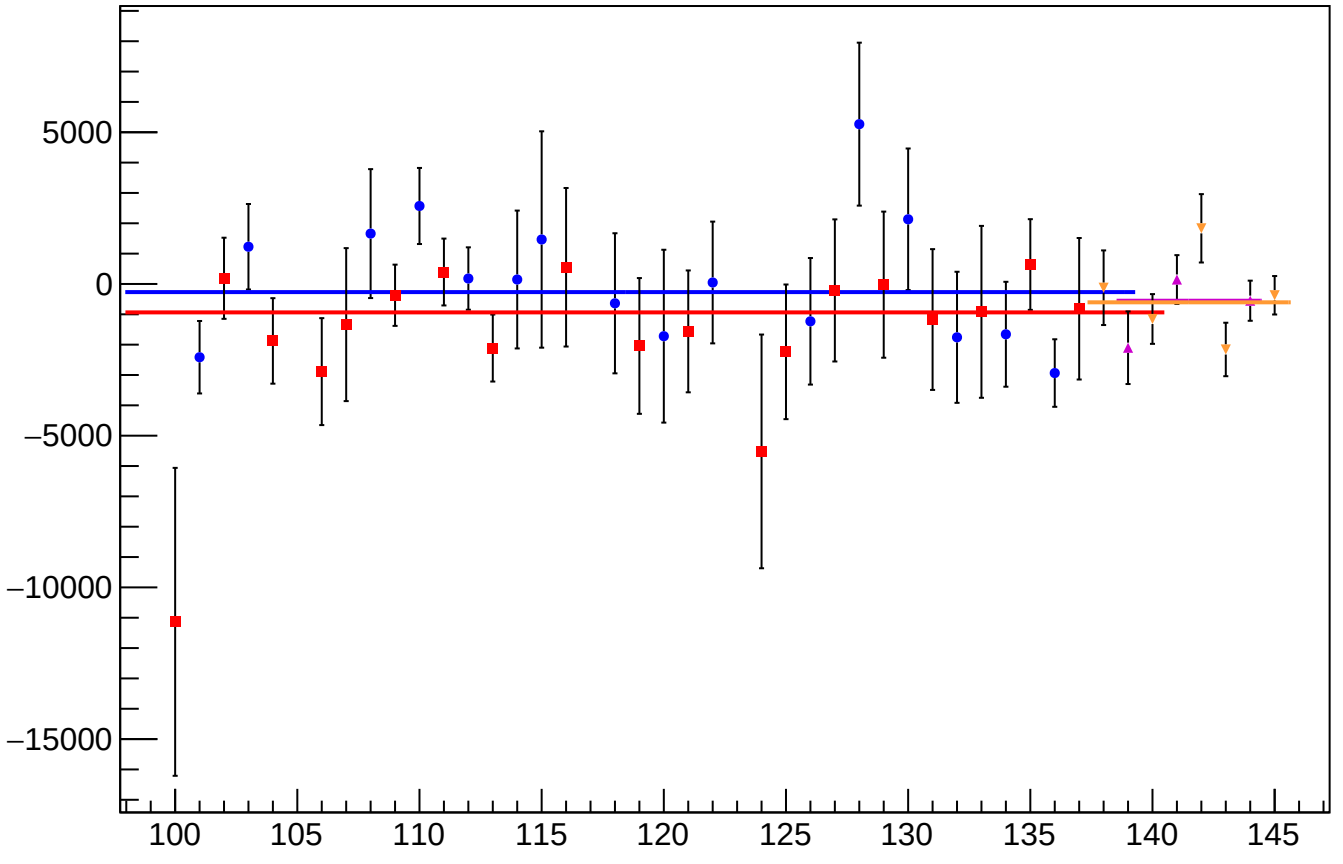
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 103.310+/-0.046 χ^2/NDF:51477.9/2

+ sign 103.200+/-0.023 χ^2/NDF: 942100.3/20

All: 101.880+/-0.016 χ^2/NDF: 1885853.3/42

- sign 100.515+/-0.023 χ^2/NDF: 936975.9/21



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -604.922+/-385.928 χ^2/NDF:8.5/4

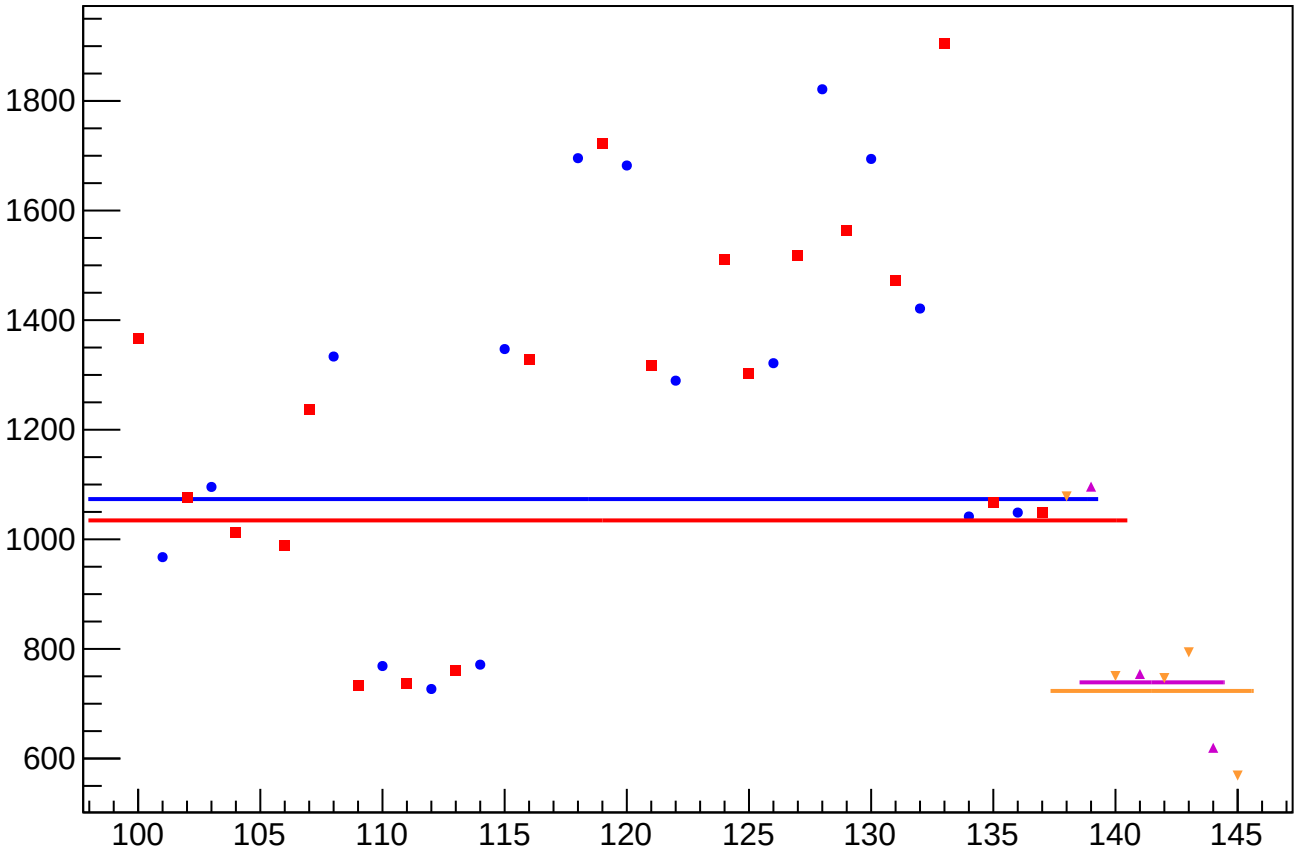
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -552.590+/-469.705 χ^2/NDF:2.4/2

+ sign -449.451+/-283.260 χ^2/NDF: 32.3/20

All: -602.292+/-206.878 χ^2/NDF: 48.9/42

- sign -777.021+/-302.863 χ^2/NDF: 16.0/21



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

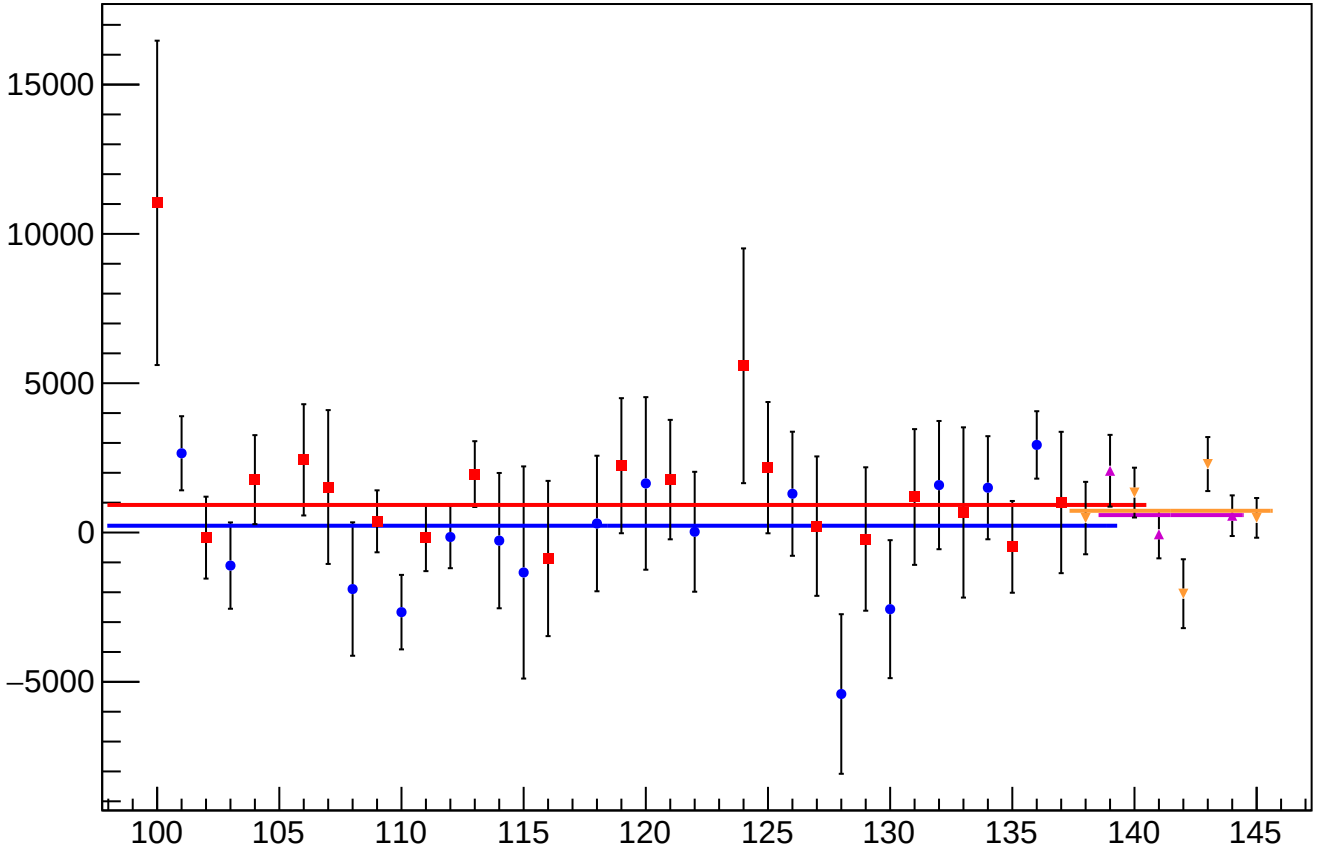
Left In: 739.013+/-0.332 χ^2/NDF:244181.3/2

+ sign 884.841+/-0.200 χ^2/NDF: 2137549.8/20

All: 897.358+/-0.146 χ^2/NDF: 4081982.3/42

- sign 911.668+/-0.214 χ^2/NDF: 1936062.2/21

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

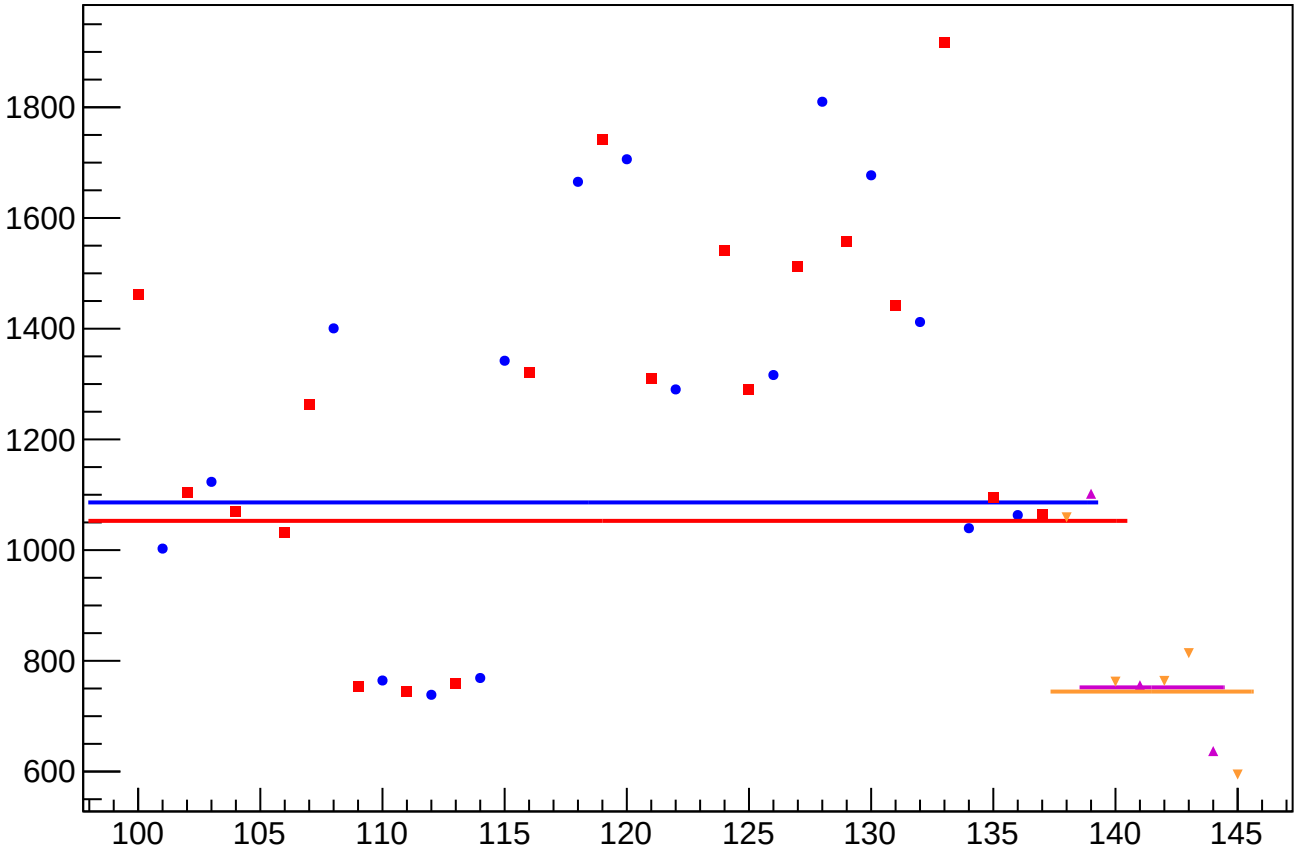
Left In: 583.786+/-477.481 χ^2/NDF:2.2/2

+ sign 492.928+/-288.994 χ^2/NDF: 34.7/20

All: 628.367+/-210.753 χ^2/NDF: 48.8/42

- sign 782.221+/-308.015 χ^2/NDF: 13.6/21

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

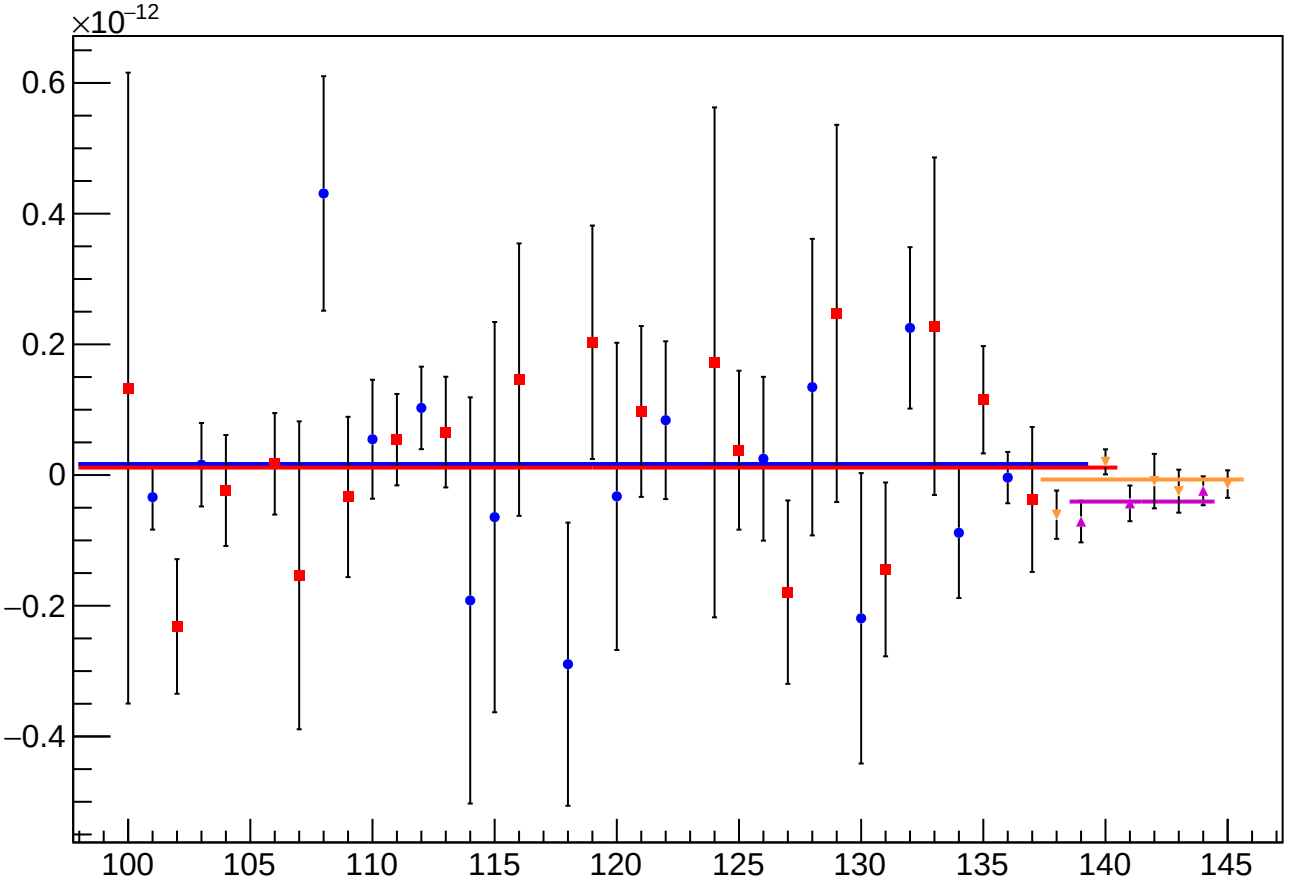
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 752.009+/-0.338 χ^2/NDF:226607.7/2

+ sign 904.818+/-0.204 χ^2/NDF: 1993415.5/20

All: 915.507+/-0.149 χ^2/NDF: 3883789.4/42

- sign 927.649+/-0.218 χ^2/NDF: 1884529.9/21



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

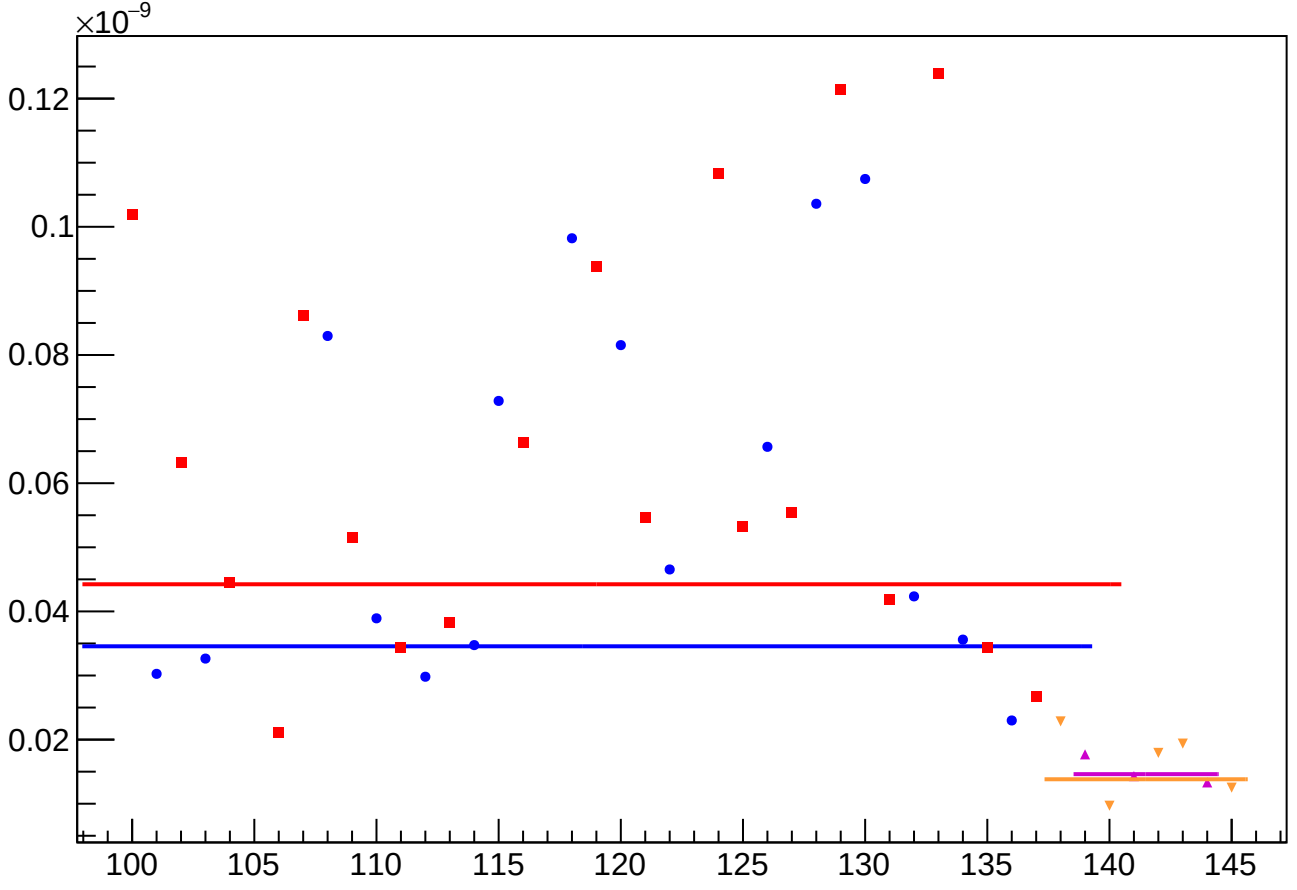
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/2

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/20

All: -0.000+/-0.000 χ^2/NDF: 45.0/42

- sign -0.000+/-0.000 χ^2/NDF: 20.2/21



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

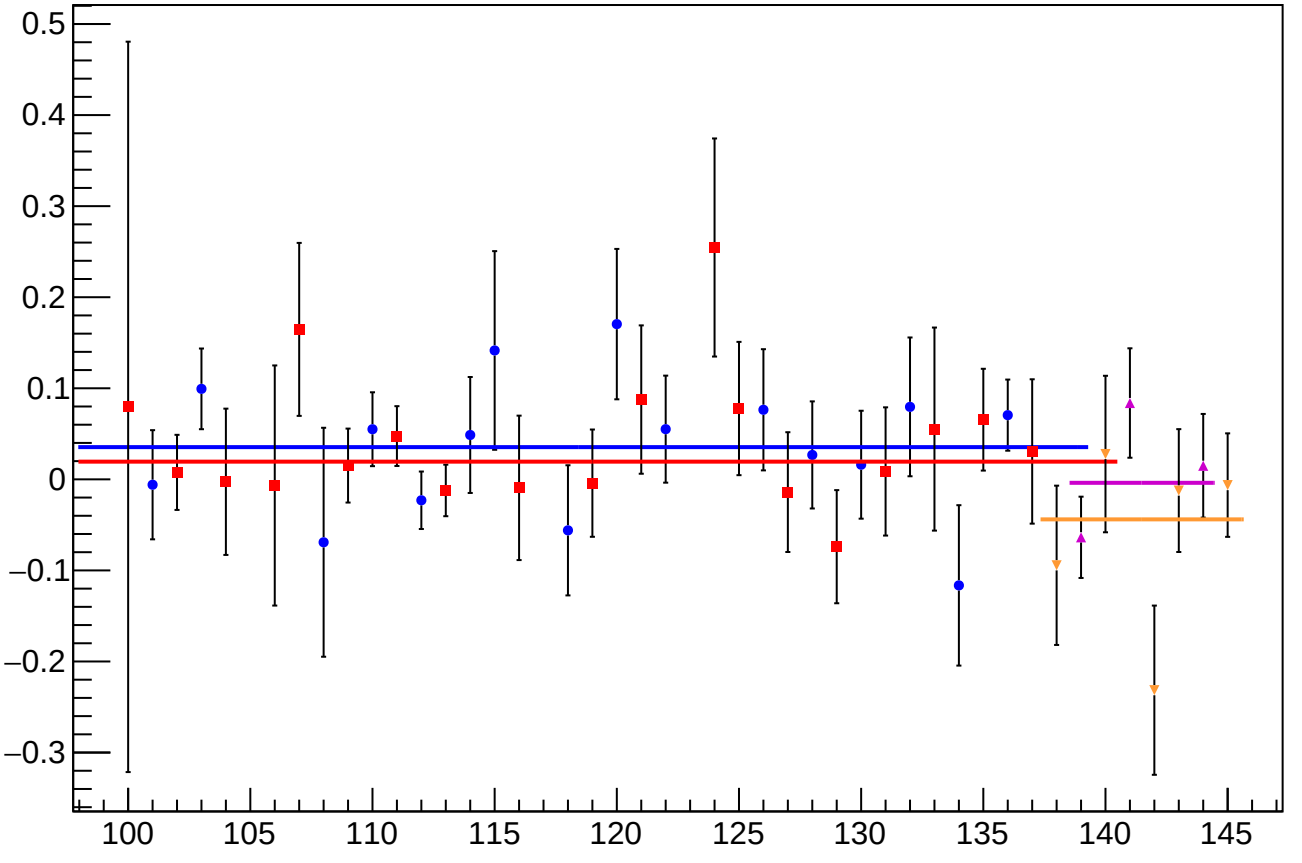
Left In: 0.000+/-0.000 χ^2/NDF:25847.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 2883362.4/20

All: 0.000+/-0.000 χ^2/NDF: 5899295.0/42

- sign 0.000+/-0.000 χ^2/NDF: 2941860.4/21

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

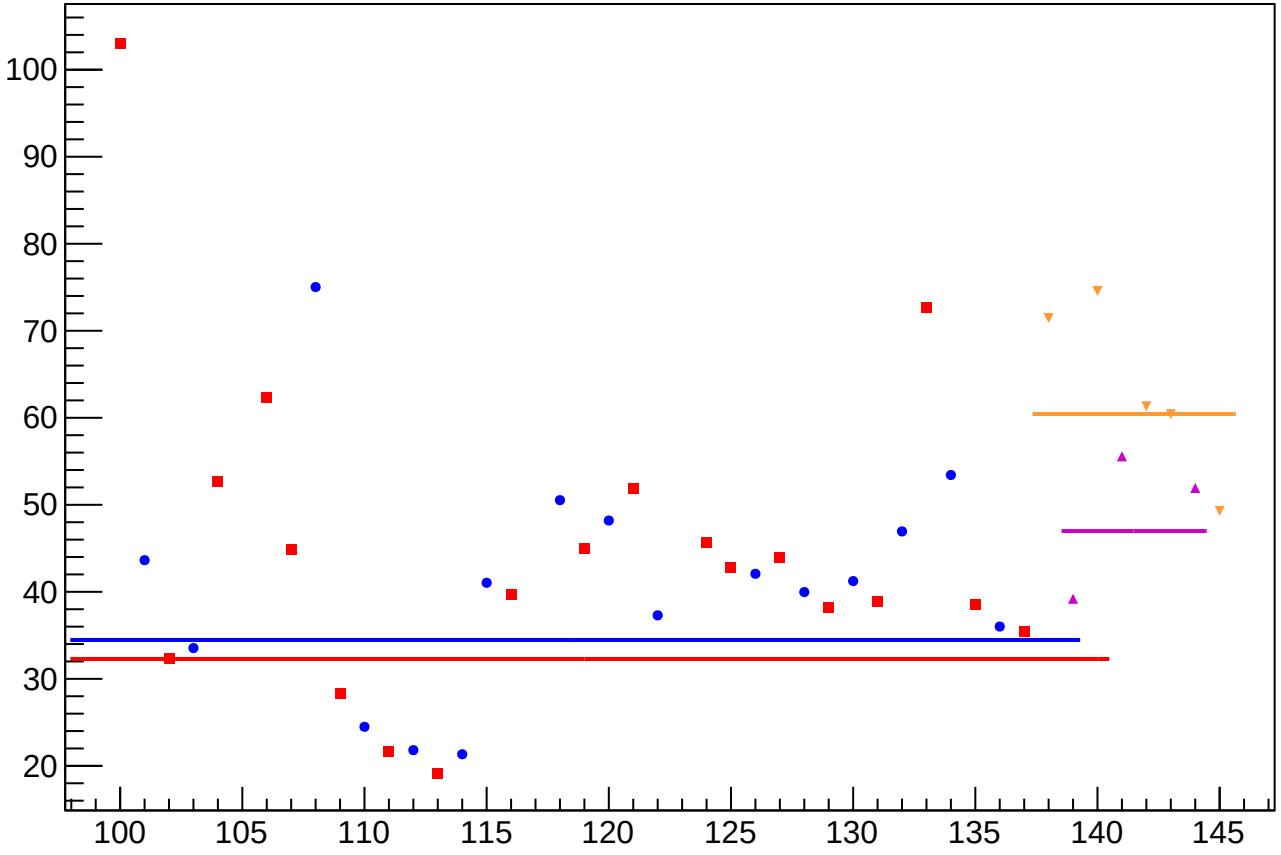
Left In: -0.004+/-0.030 χ^2/NDF:4.0/2

+ sign 0.024+/-0.013 χ^2/NDF: 27.6/20

All: 0.019+/-0.009 χ^2/NDF: 45.7/42

- sign 0.016+/-0.012 χ^2/NDF: 17.9/21

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

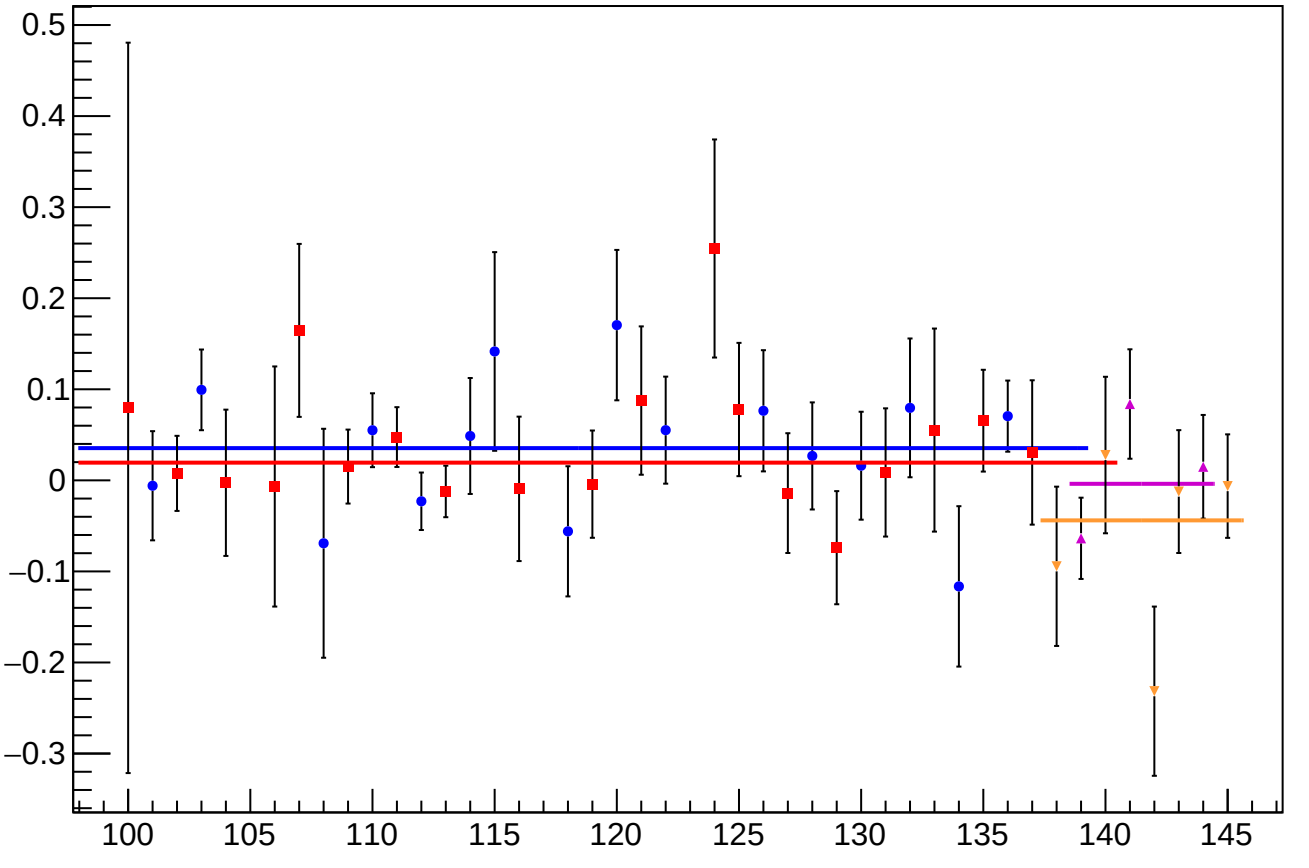
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.987+/-0.021 χ^2/NDF:116757.7/2

+ sign 38.352+/-0.009 χ^2/NDF: 2379452.3/20

All: 36.363+/-0.006 χ^2/NDF: 4655784.9/42

- sign 34.605+/-0.009 χ^2/NDF: 2185494.7/21



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.044+/-0.033 χ^2/NDF:5.8/4

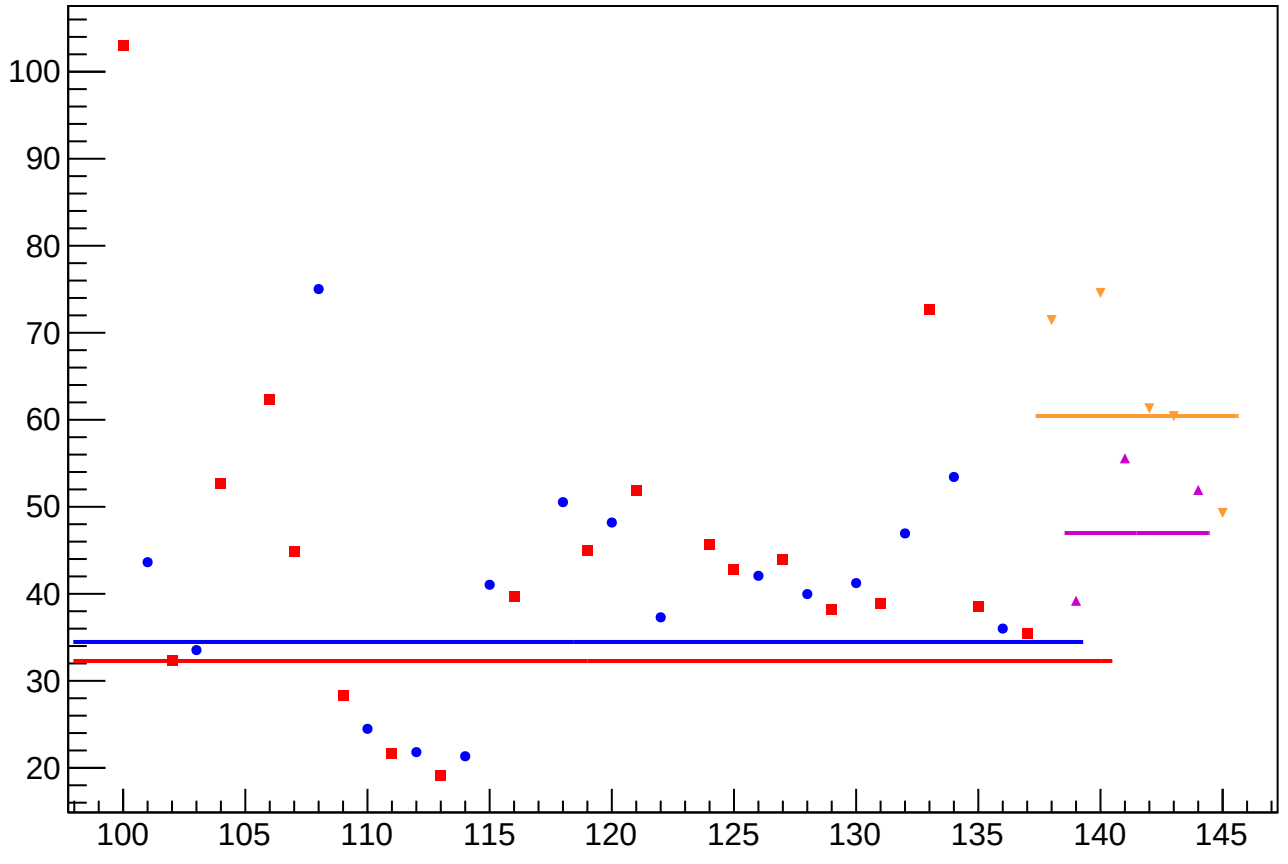
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.030 χ^2/NDF:4.0/2

+ sign 0.024+/-0.013 χ^2/NDF: 27.6/20

All: 0.019+/-0.009 χ^2/NDF: 45.7/42

- sign 0.016+/-0.012 χ^2/NDF: 17.9/21



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 60.436+/-0.023 χ^2/NDF:162930.8/4

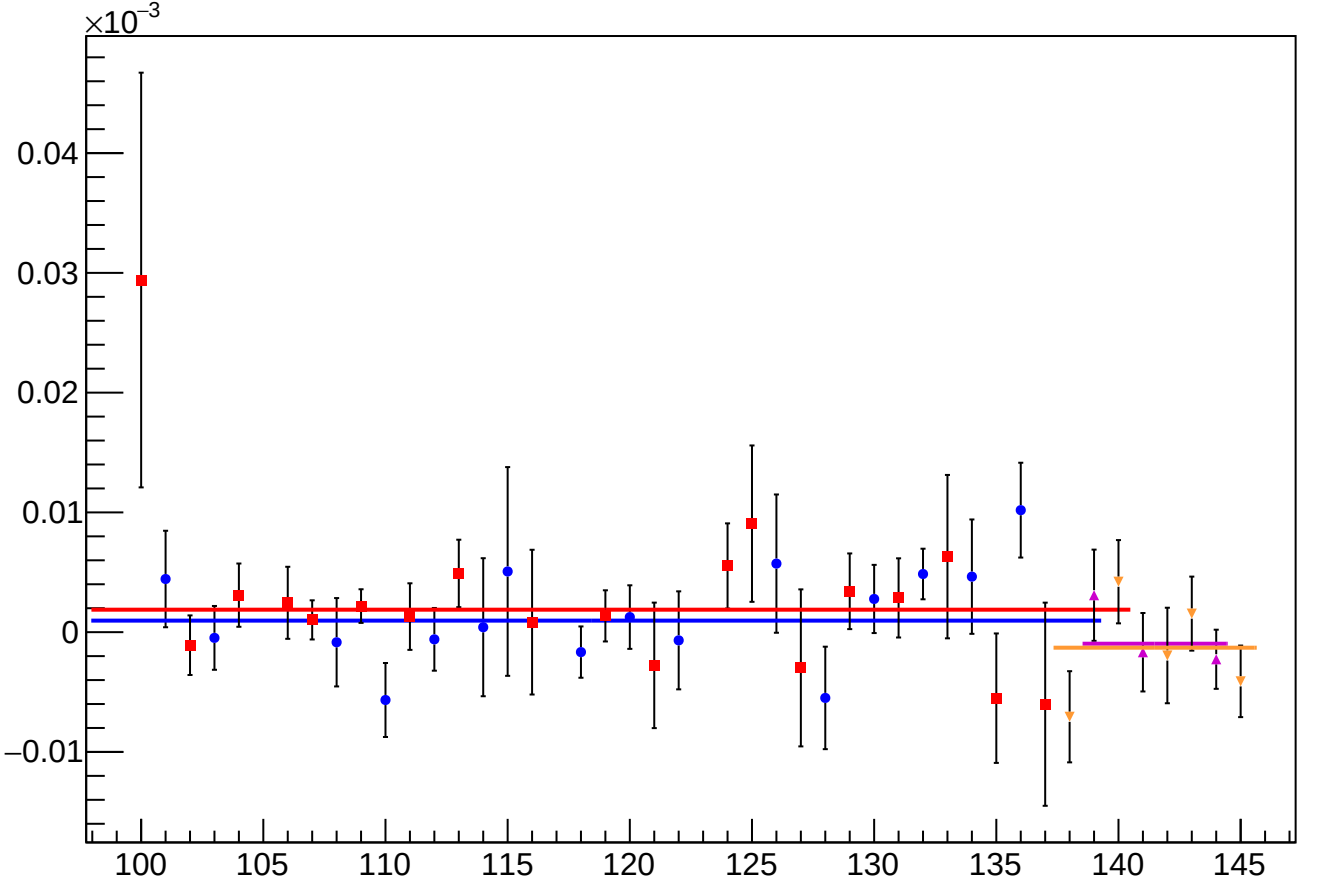
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.987+/-0.021 χ^2/NDF:116757.7/2

+ sign 38.352+/-0.009 χ^2/NDF: 2379452.3/20

All: 36.363+/-0.006 χ^2/NDF: 4655784.9/42

- sign 34.605+/-0.009 χ^2/NDF: 2185494.7/21



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/4

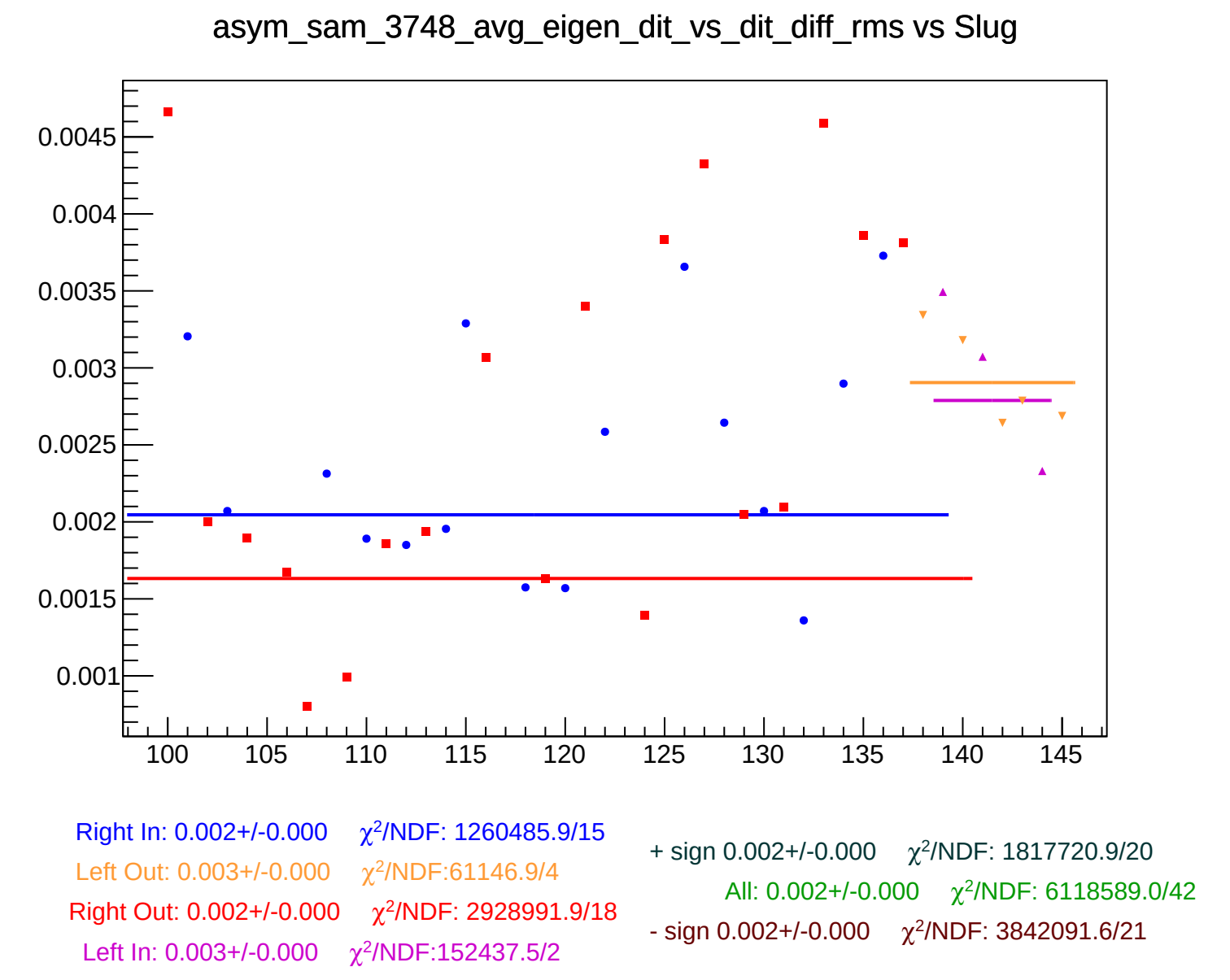
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

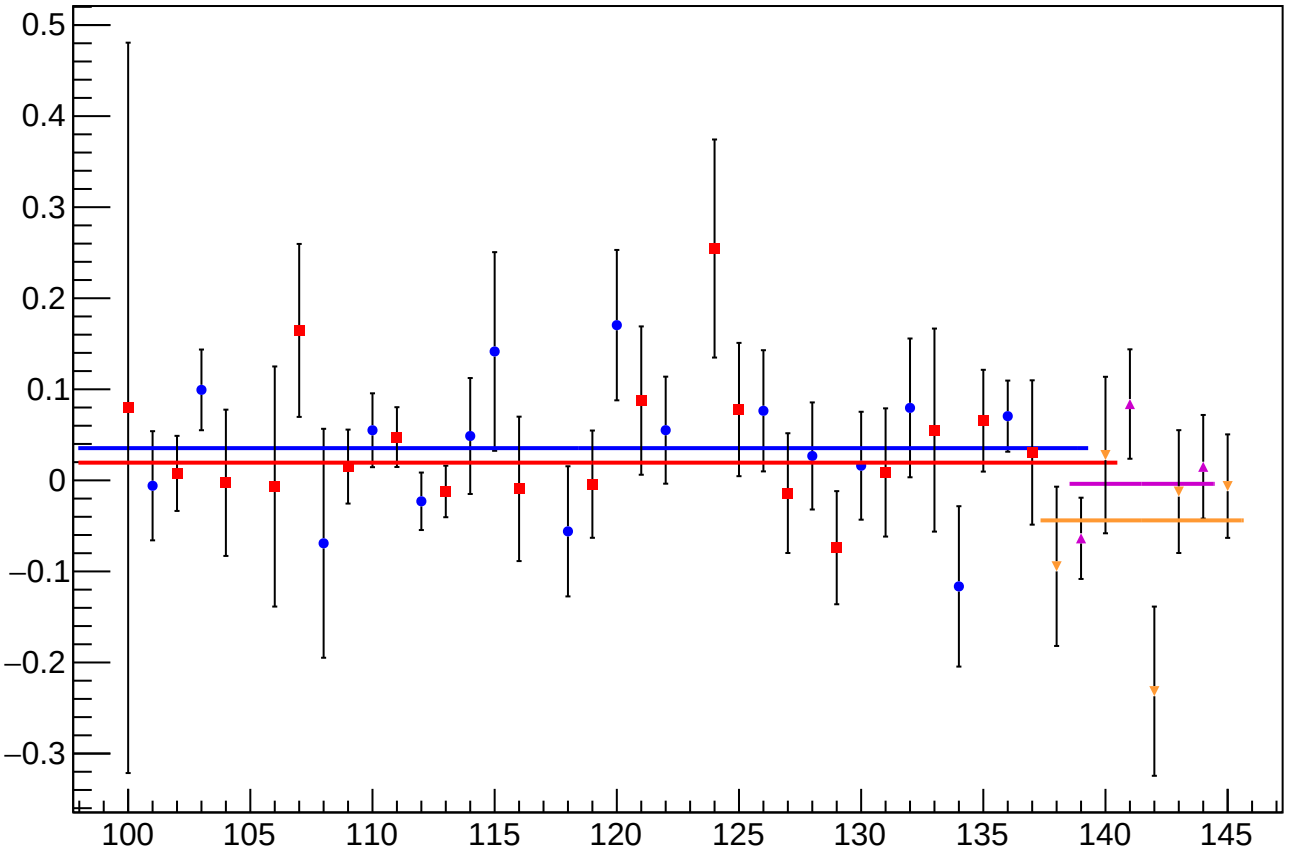
Left In: -0.000+/-0.000 χ^2/NDF:1.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/20

All: 0.000+/-0.000 χ^2/NDF: 47.1/42

- sign 0.000+/-0.000 χ^2/NDF: 16.6/21


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.003+/-0.000 χ²/NDF:61146.9/4
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.003+/-0.000 χ²/NDF:152437.5/2
+ sign 0.002+/-0.000 χ²/NDF: 1817720.9/20
All: 0.002+/-0.000 χ²/NDF: 6118589.0/42
- sign 0.002+/-0.000 χ²/NDF: 3842091.6/21



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.044+/-0.033 χ^2/NDF:5.8/4

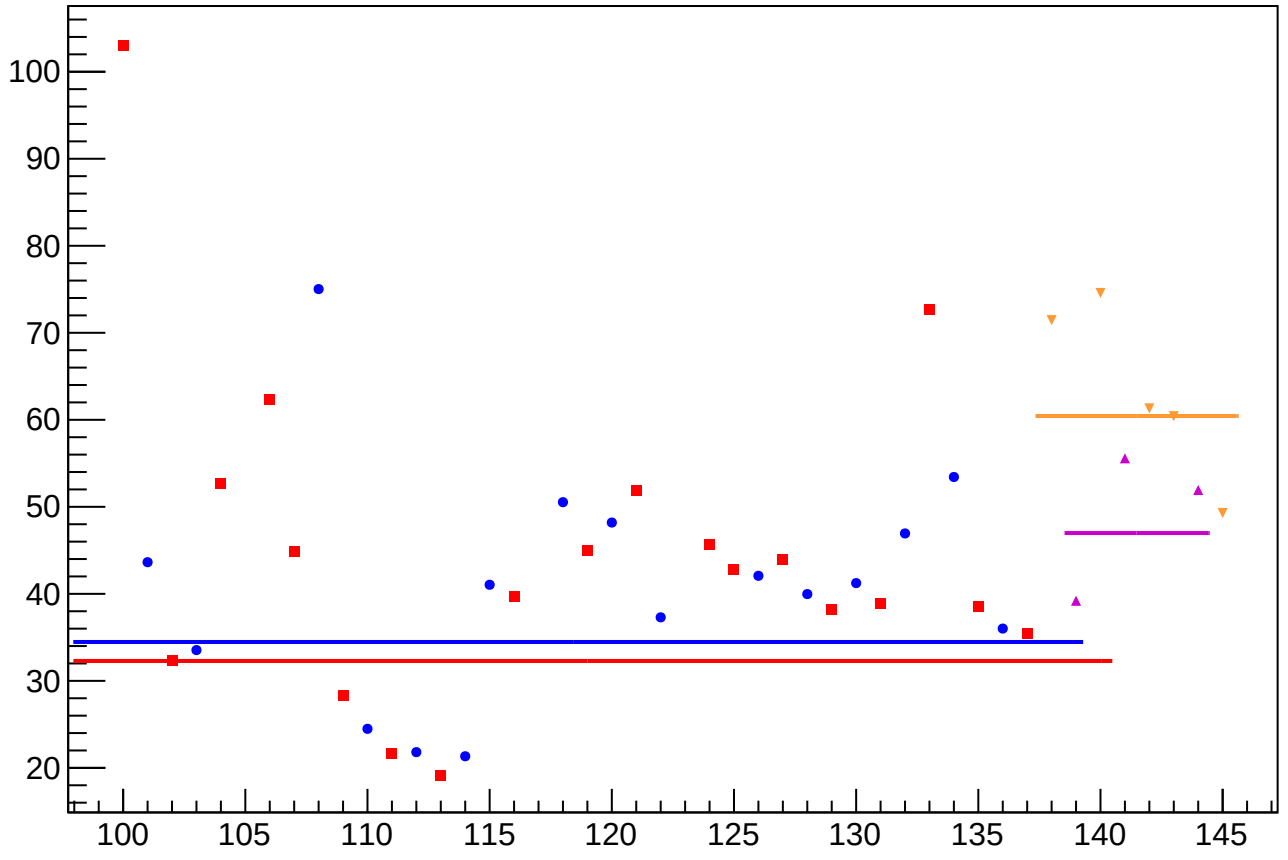
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.030 χ^2/NDF:4.0/2

+ sign 0.024+/-0.013 χ^2/NDF: 27.6/20

All: 0.019+/-0.009 χ^2/NDF: 45.7/42

- sign 0.016+/-0.012 χ^2/NDF: 17.9/21



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 60.437+/-0.023 χ^2/NDF:162912.7/4

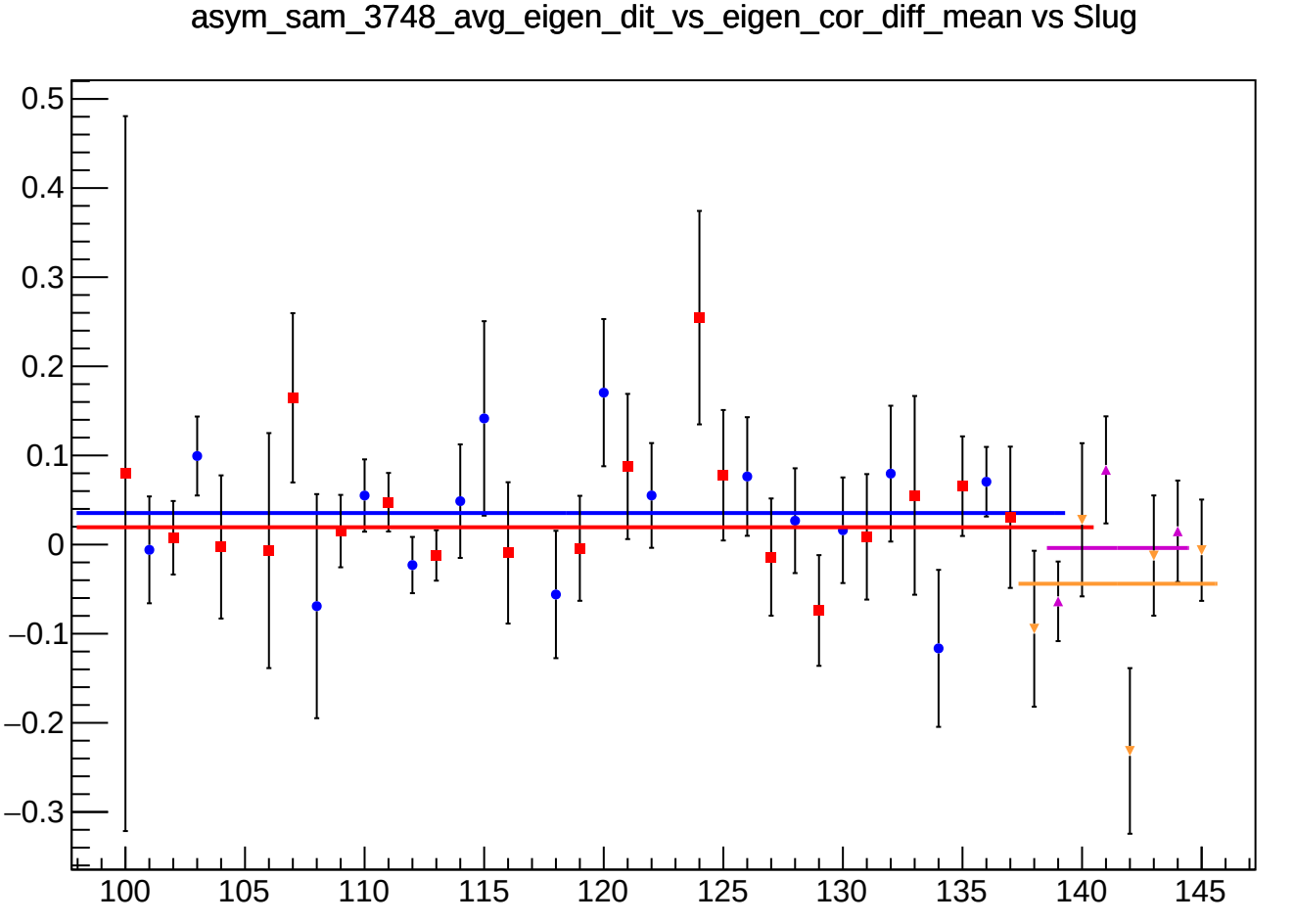
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.988+/-0.021 χ^2/NDF:116773.1/2

+ sign 38.352+/-0.009 χ^2/NDF: 2379413.8/20

All: 36.363+/-0.006 χ^2/NDF: 4655718.8/42

- sign 34.605+/-0.009 χ^2/NDF: 2185467.1/21



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.044+/-0.033 χ^2/NDF:5.8/4

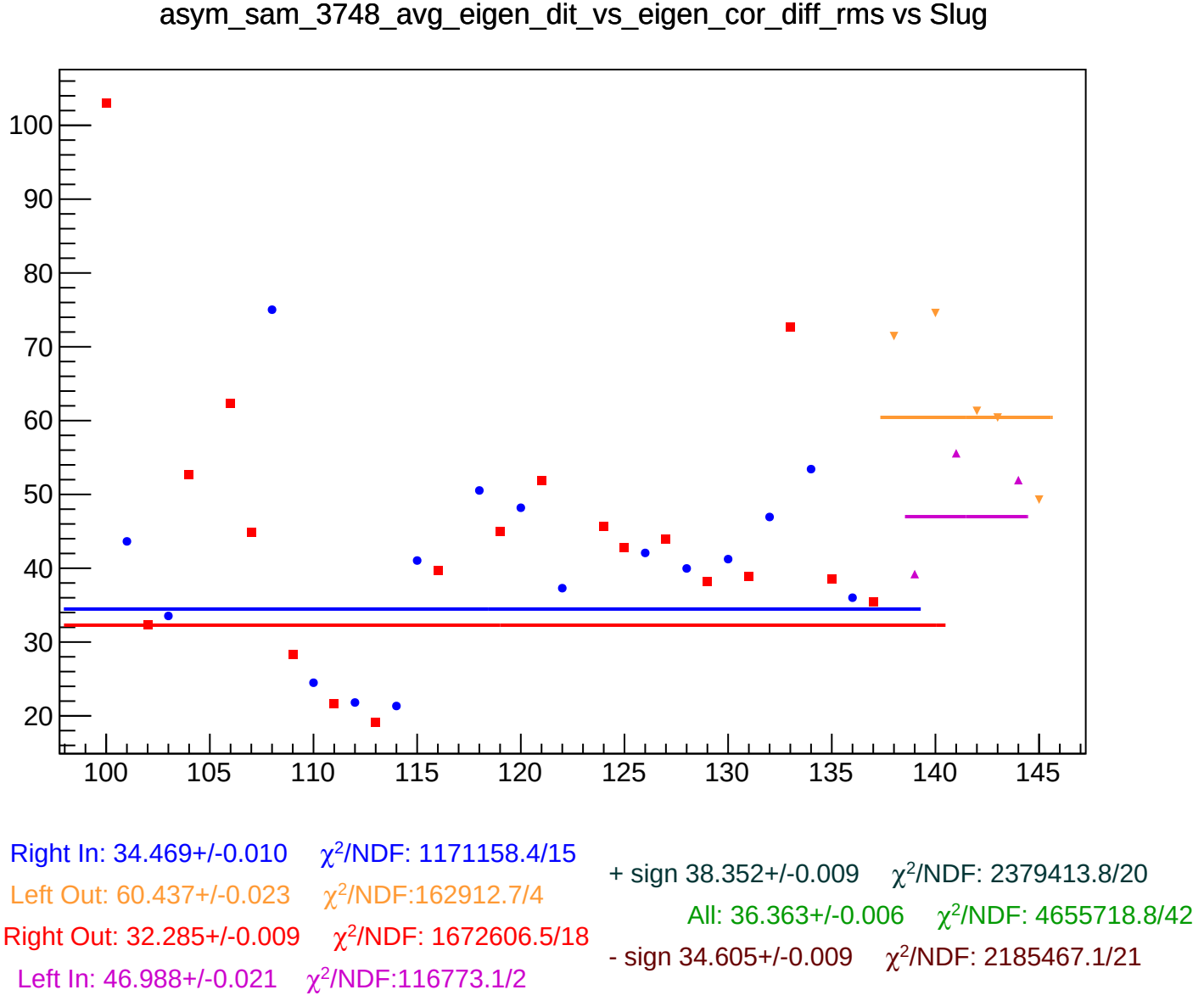
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

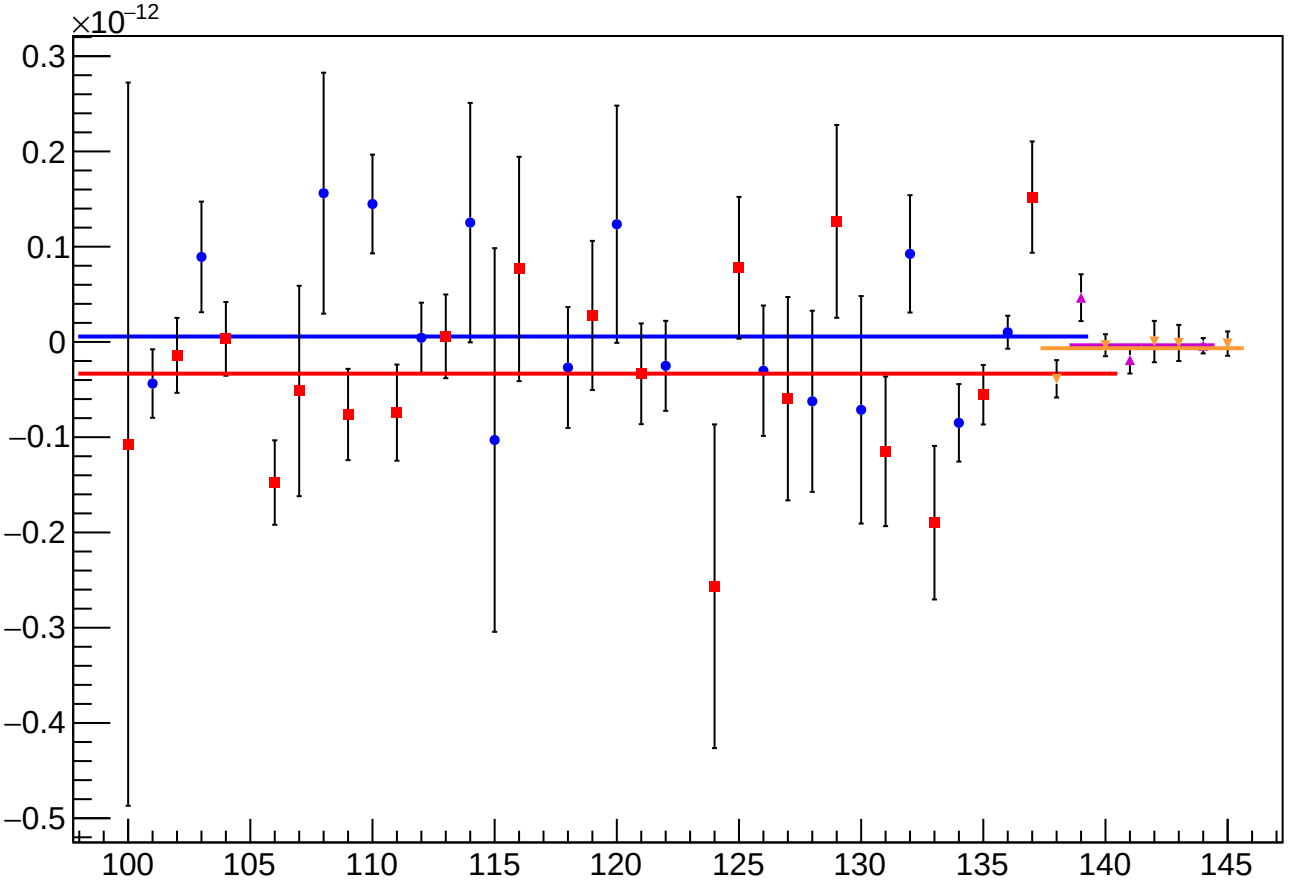
Left In: -0.004+/-0.030 χ^2/NDF:4.0/2

+ sign 0.024+/-0.013 χ^2/NDF: 27.6/20

All: 0.019+/-0.009 χ^2/NDF: 45.7/42

- sign 0.016+/-0.012 χ^2/NDF: 17.9/21


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
105
110
115
120
125
130
135
140
145
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 60.437+/-0.023 χ²/NDF:162912.7/4
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.988+/-0.021 χ²/NDF:116773.1/2
+ sign 38.352+/-0.009 χ²/NDF: 2379413.8/20
All: 36.363+/-0.006 χ²/NDF: 4655718.8/42
- sign 34.605+/-0.009 χ²/NDF: 2185467.1/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/4

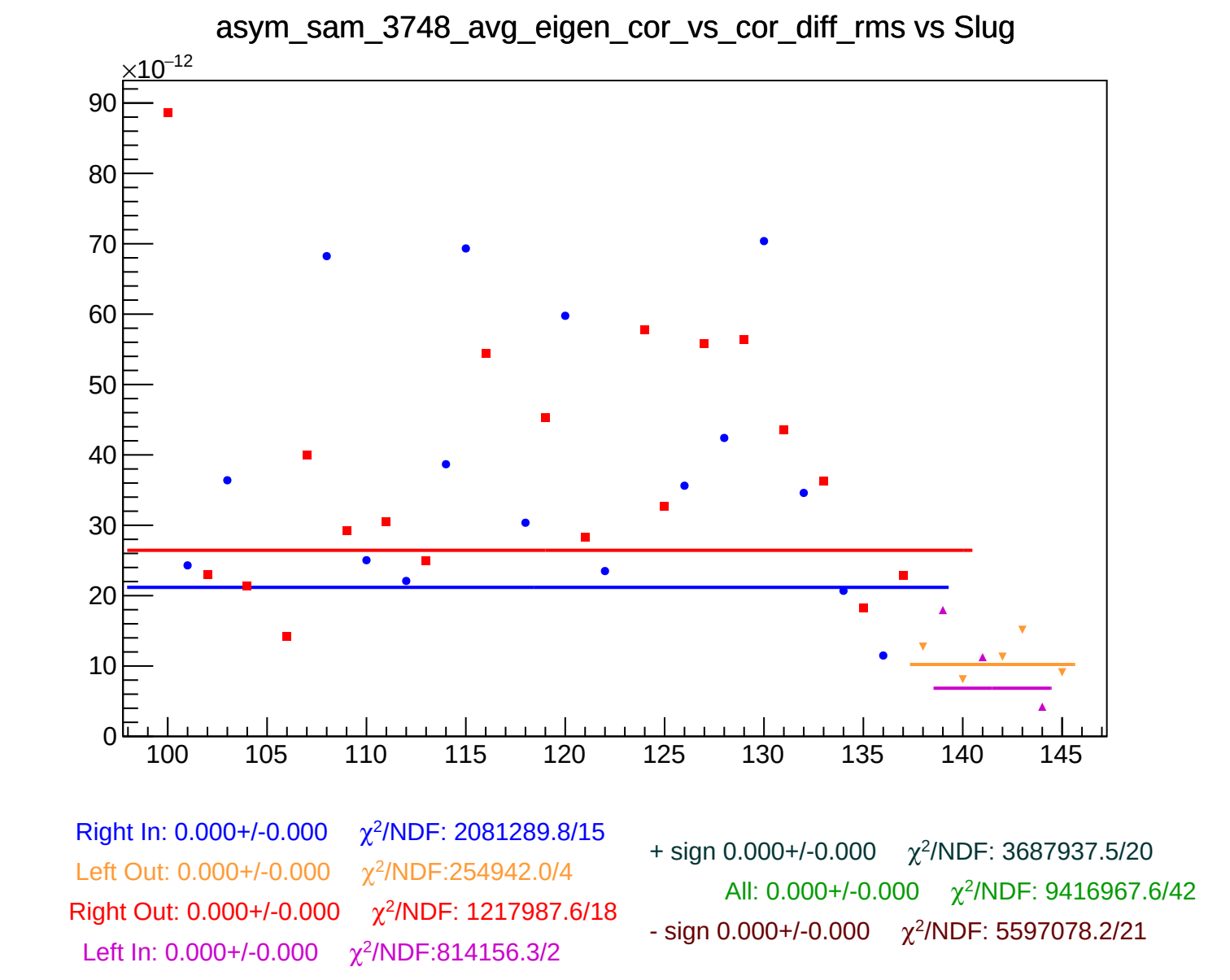
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/2

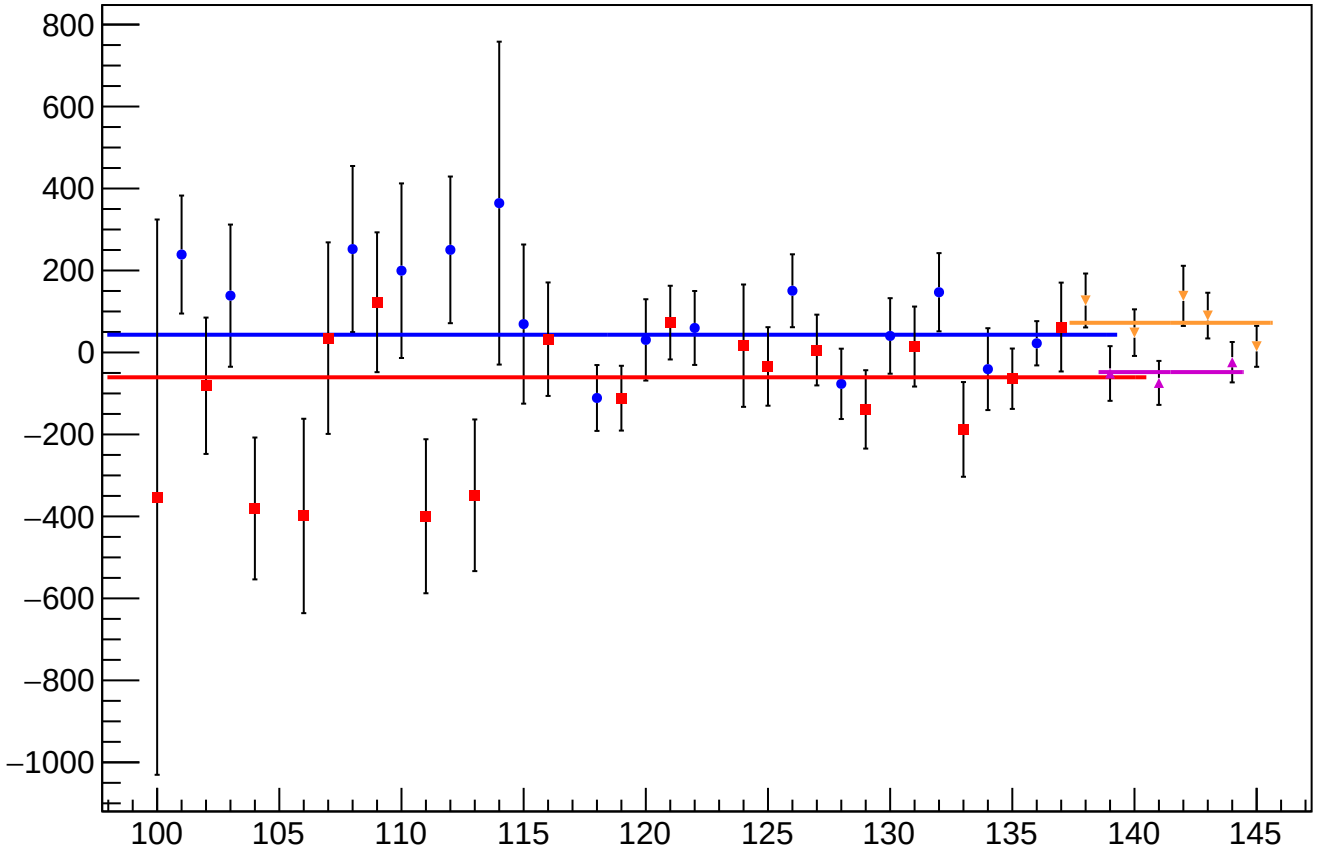
+ sign -0.000+/-0.000 χ^2/NDF: 27.5/20

All: -0.000+/-0.000 χ^2/NDF: 71.0/42

- sign -0.000+/-0.000 χ^2/NDF: 42.9/21


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:254942.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:814156.3/2
+ sign 0.000+/-0.000 χ²/NDF: 3687937.5/20
All: 0.000+/-0.000 χ²/NDF: 9416967.6/42
- sign 0.000+/-0.000 χ²/NDF: 5597078.2/21

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

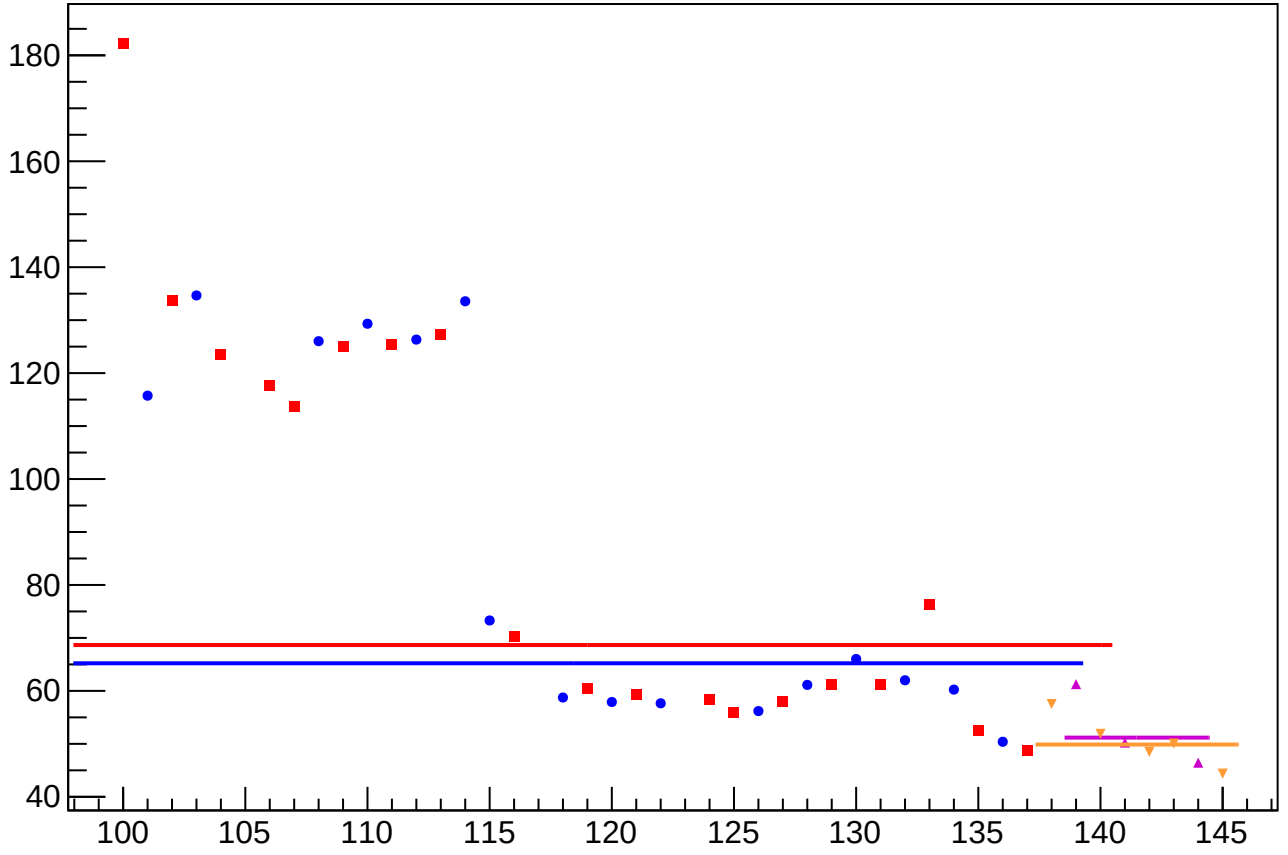
Left In: -47.885+/-31.881 χ^2/NDF:0.5/2

+ sign 57.540+/-18.402 χ^2/NDF: 18.7/20

All: 7.342+/-13.711 χ^2/NDF: 56.4/42

- sign -55.303+/-20.557 χ^2/NDF: 21.0/21

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

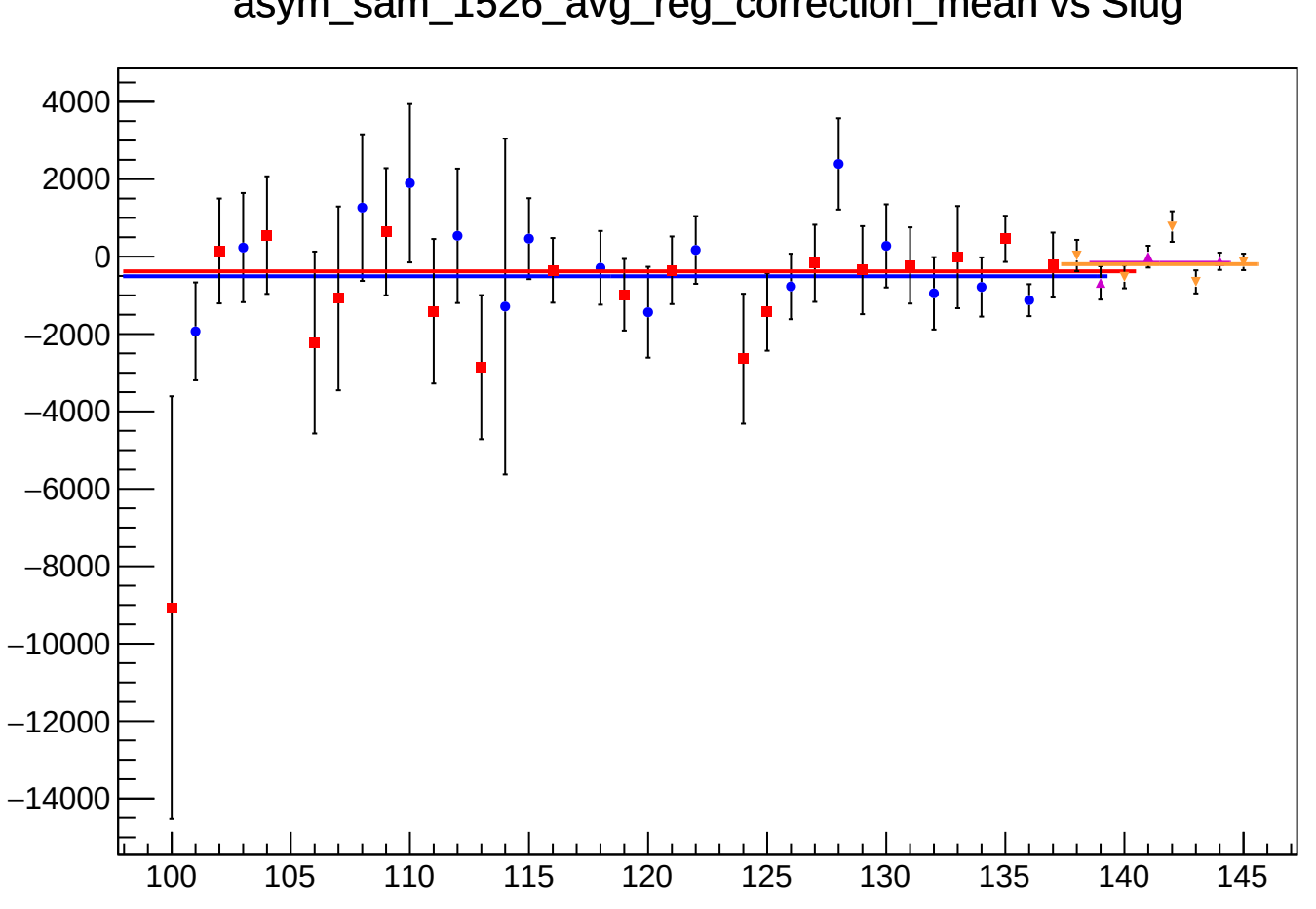
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 51.177+/-0.023 χ^2/NDF:64895.3/2

+ sign 57.687+/-0.013 χ^2/NDF: 1848410.6/20

All: 59.334+/-0.010 χ^2/NDF: 3941445.4/42

- sign 61.389+/-0.015 χ^2/NDF: 2057020.9/21



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

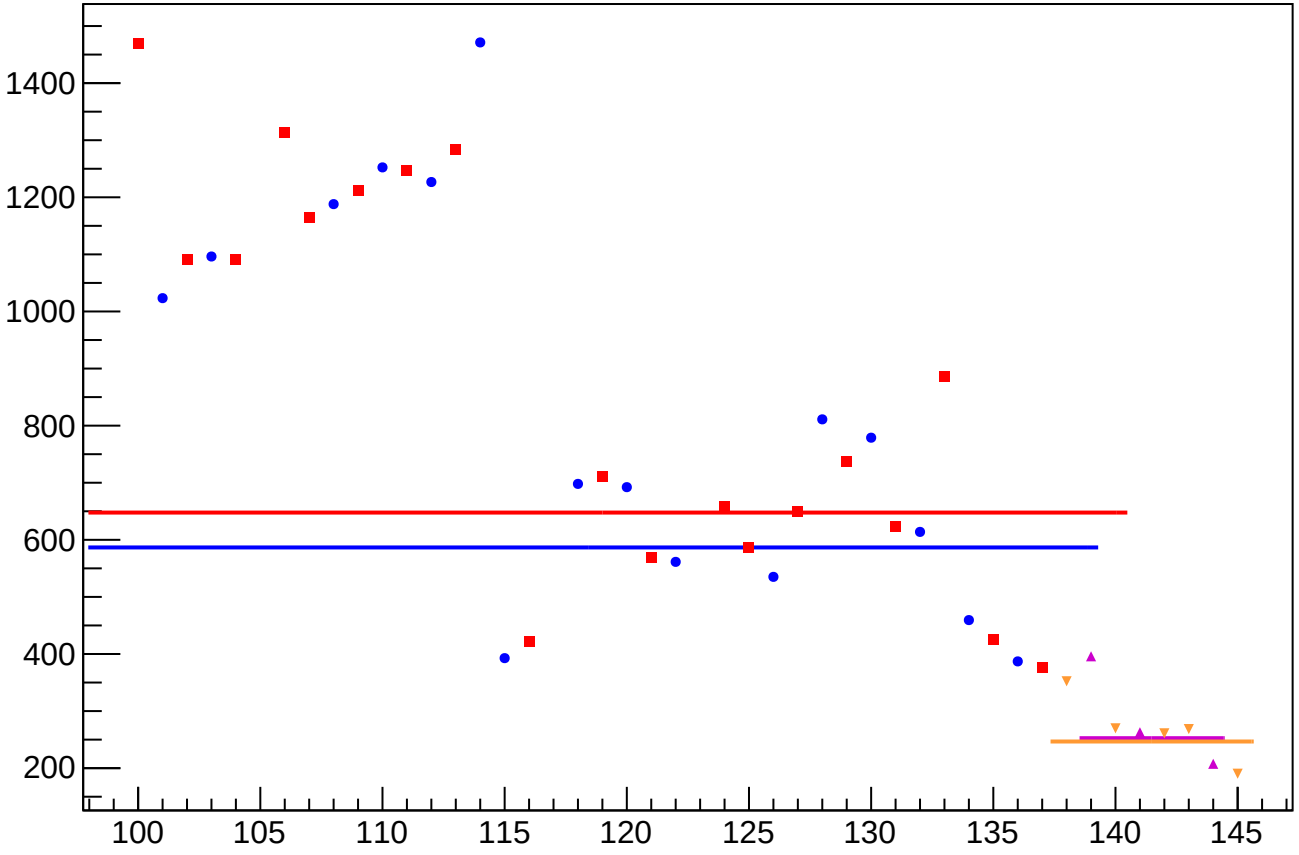
Left In: -159.404+/-161.812 χ^2/NDF:1.8/2

+ sign -268.966+/-115.466 χ^2/NDF: 27.0/20

All: -249.400+/-88.248 χ^2/NDF: 41.1/42

- sign -221.920+/-136.842 χ^2/NDF: 14.1/21

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

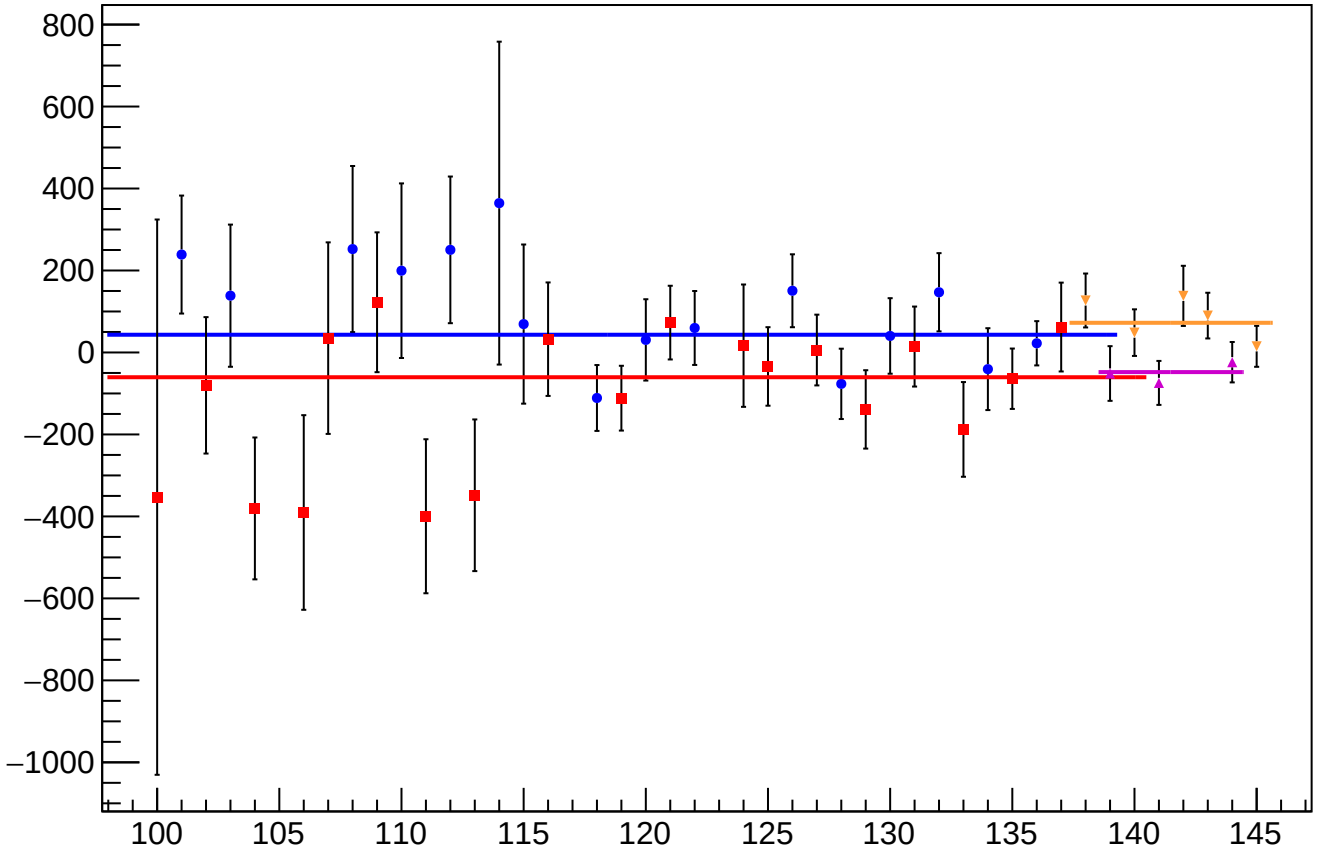
Left In: 252.524+/-0.114 χ^2/NDF:305432.4/2

+ sign 327.434+/-0.082 χ^2/NDF: 5493907.7/20

All: 343.095+/-0.062 χ^2/NDF: 11391590.5/42

- sign 365.090+/-0.097 χ^2/NDF: 5809220.4/21

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

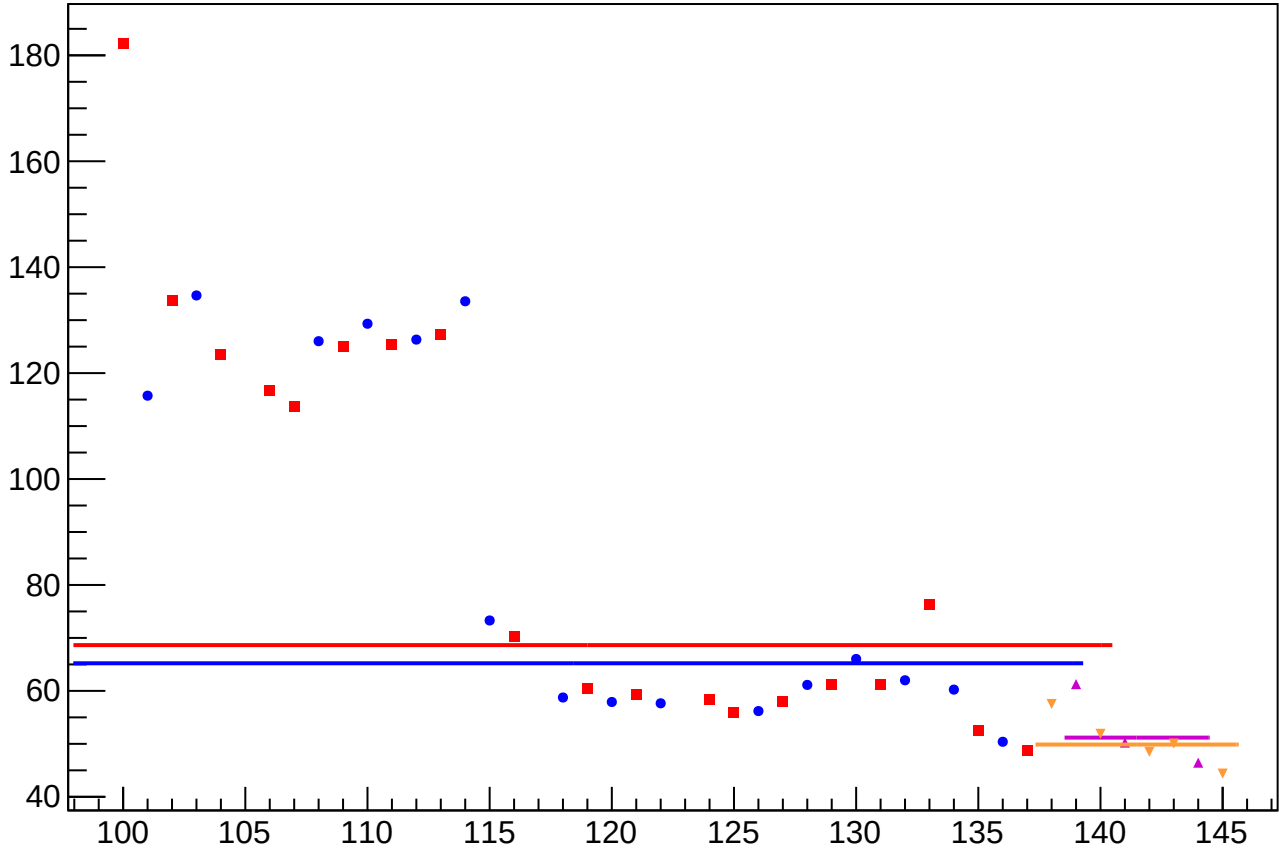
Left In: -47.891+/-31.881 χ^2/NDF:0.5/2

+ sign 57.538+/-18.402 χ^2/NDF: 18.7/20

All: 7.380+/-13.711 χ^2/NDF: 56.2/42

- sign -55.217+/-20.557 χ^2/NDF: 20.9/21

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

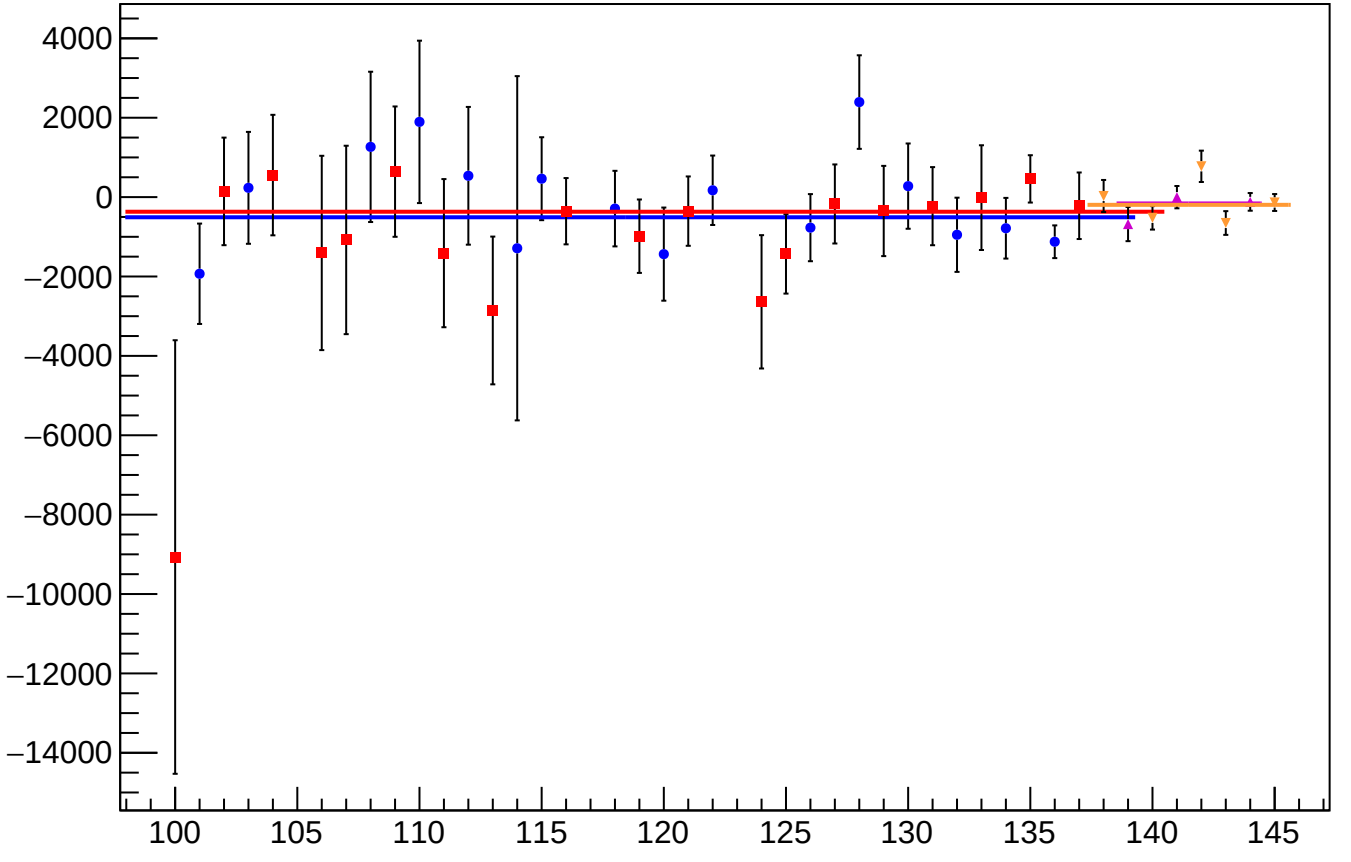
Left In: 51.177+/-0.023 χ^2/NDF:64895.3/2

+ sign 57.687+/-0.013 χ^2/NDF: 1848412.8/20

All: 59.330+/-0.010 χ^2/NDF: 3937348.8/42

- sign 61.381+/-0.015 χ^2/NDF: 2053091.2/21

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

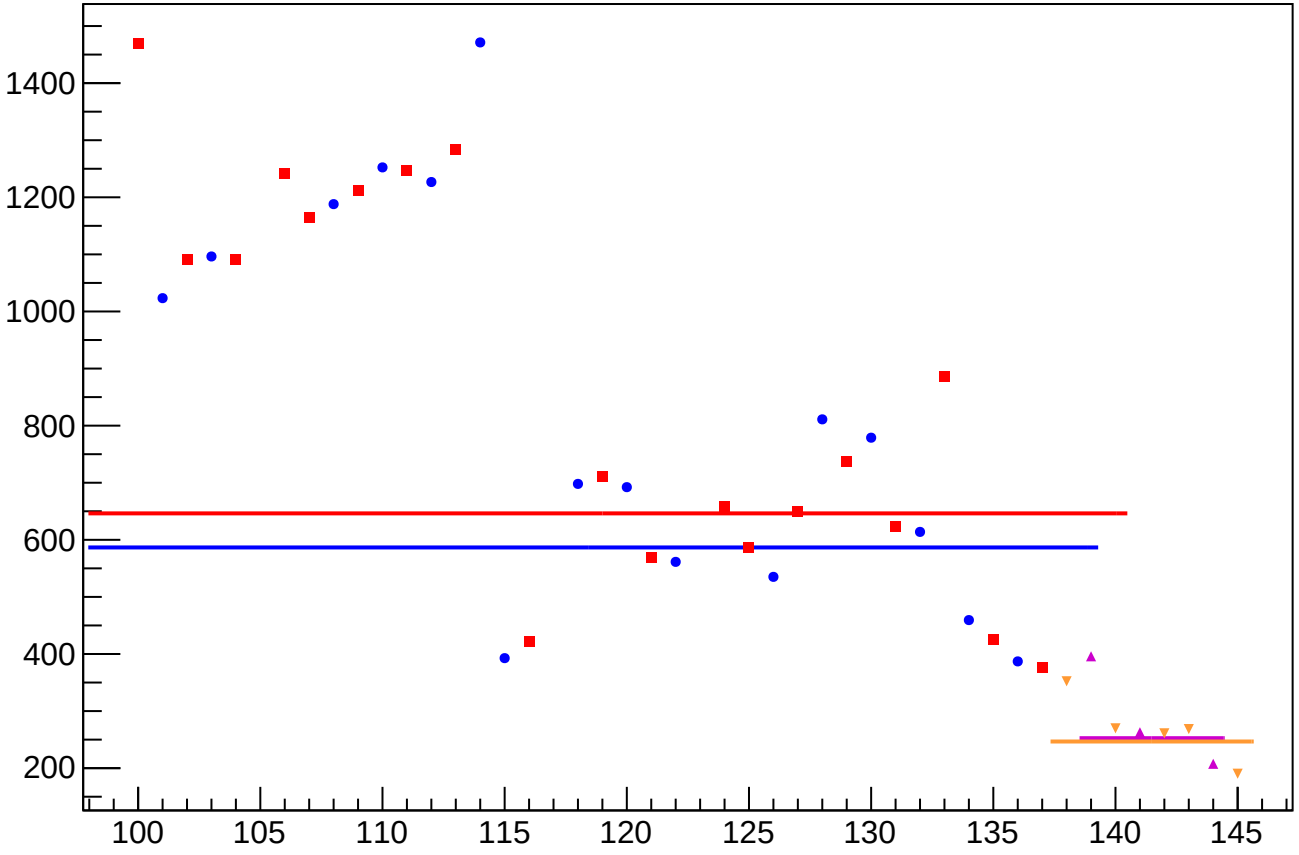
Left In: -159.410+/-161.812 χ^2/NDF:1.8/2

+ sign -268.958+/-115.466 χ^2/NDF: 27.0/20

All: -248.133+/-88.253 χ^2/NDF: 40.6/42

- sign -218.874+/-136.861 χ^2/NDF: 13.6/21

asym_sam_1526_avg_cor_correction_rms vs Slug



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

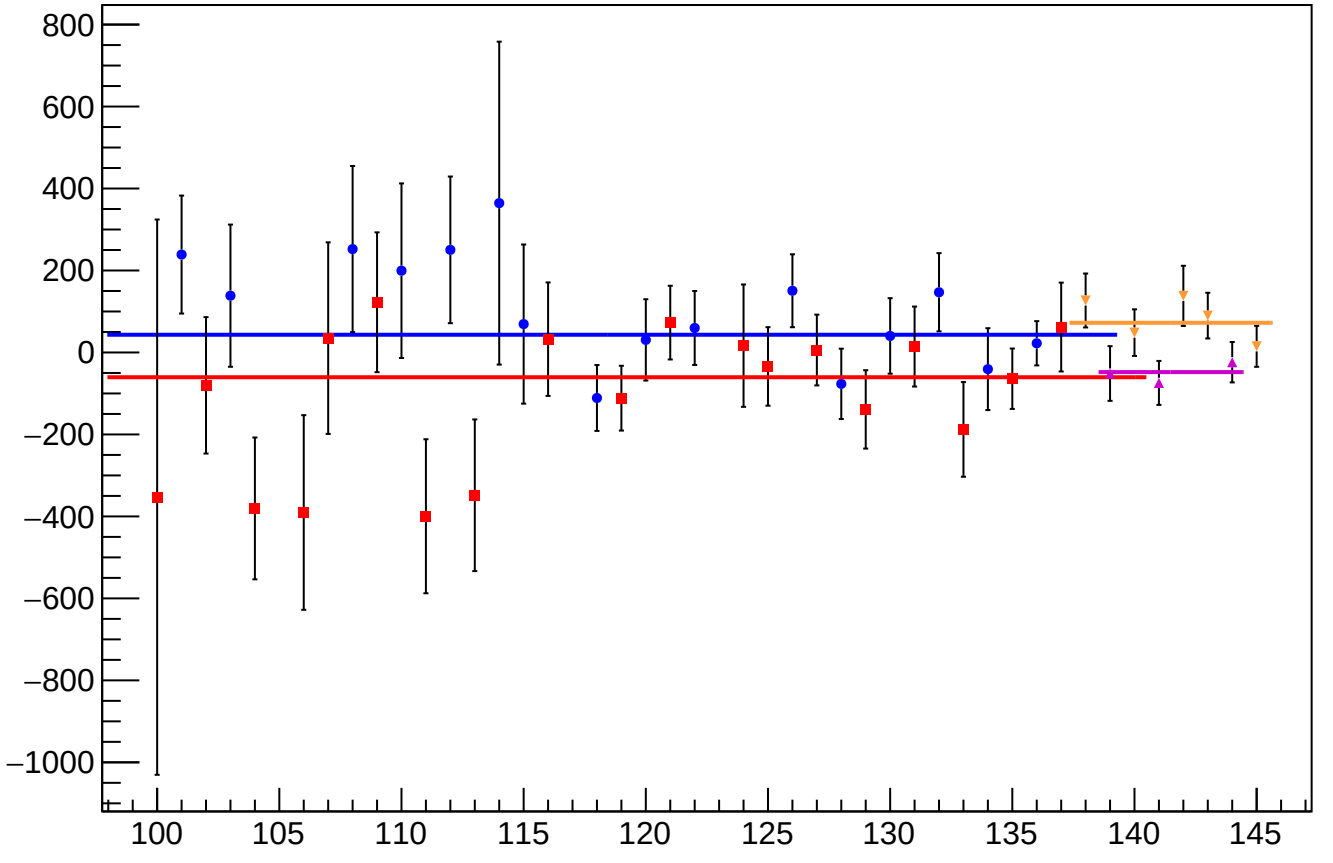
Left In: 252.524+/-0.114 χ^2/NDF:305431.6/2

+ sign 327.433+/-0.082 χ^2/NDF: 5493939.5/20

All: 342.892+/-0.062 χ^2/NDF: 11320353.6/42

- sign 364.610+/-0.097 χ^2/NDF: 5740205.1/21

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

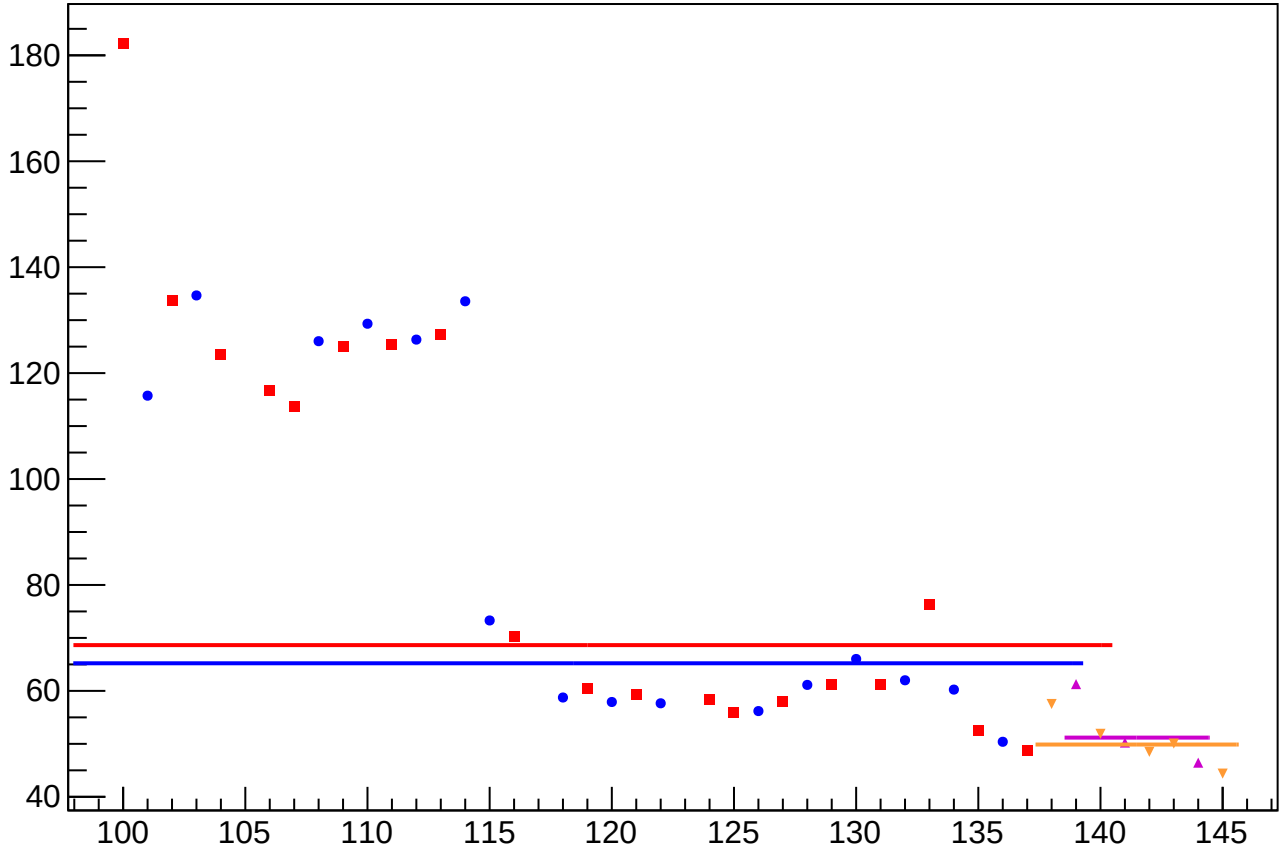
Left In: -47.891+/-31.881 χ^2/NDF:0.5/2

+ sign 57.538+/-18.402 χ^2/NDF: 18.7/20

All: 7.380+/-13.711 χ^2/NDF: 56.2/42

- sign -55.217+/-20.557 χ^2/NDF: 20.9/21

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

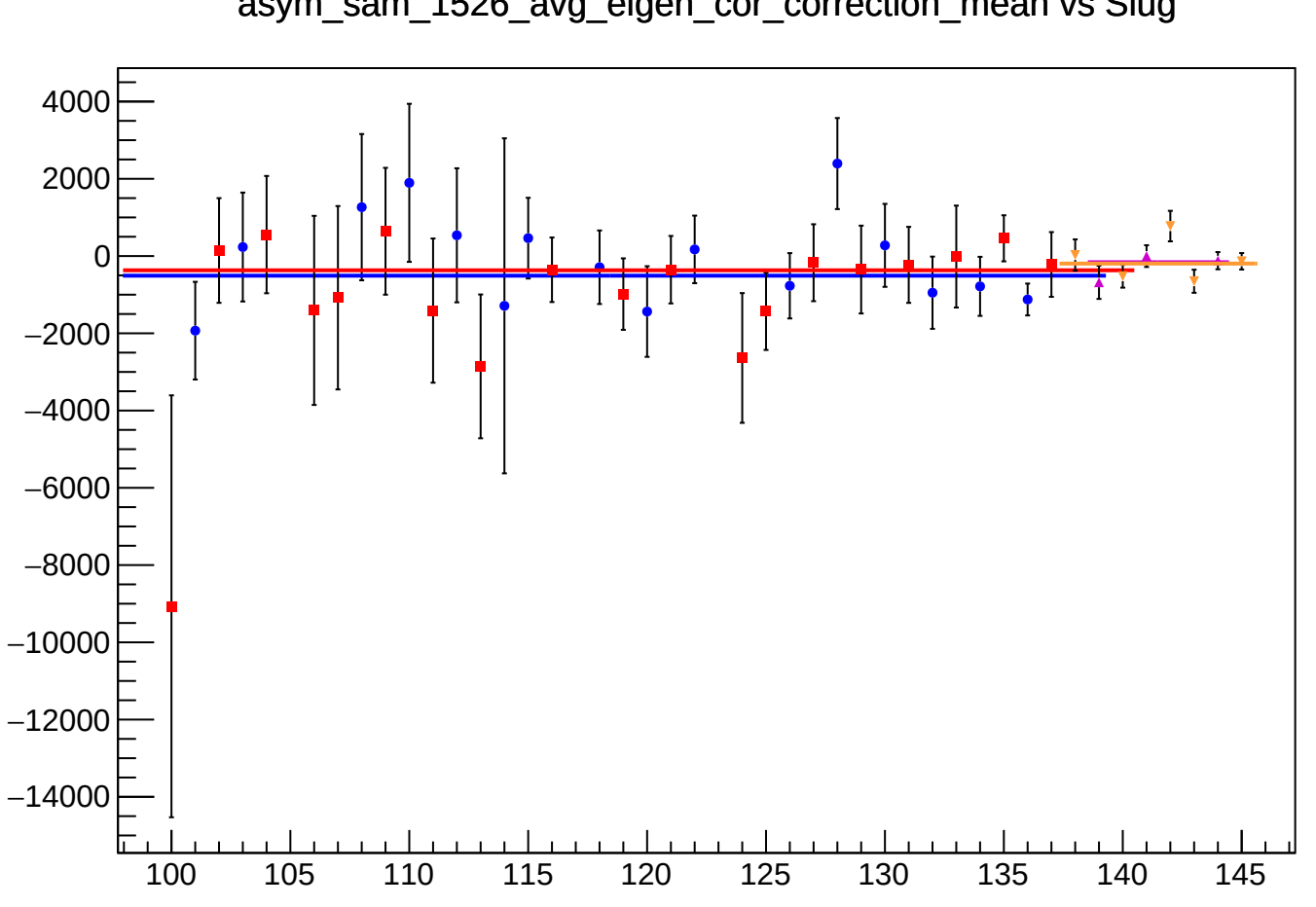
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.177+/-0.023 χ^2/NDF:64895.3/2

+ sign 57.687+/-0.013 χ^2/NDF: 1848412.8/20

All: 59.330+/-0.010 χ^2/NDF: 3937348.8/42

- sign 61.381+/-0.015 χ^2/NDF: 2053091.2/21



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -194.541+/-132.229 χ^2/NDF:10.0/4

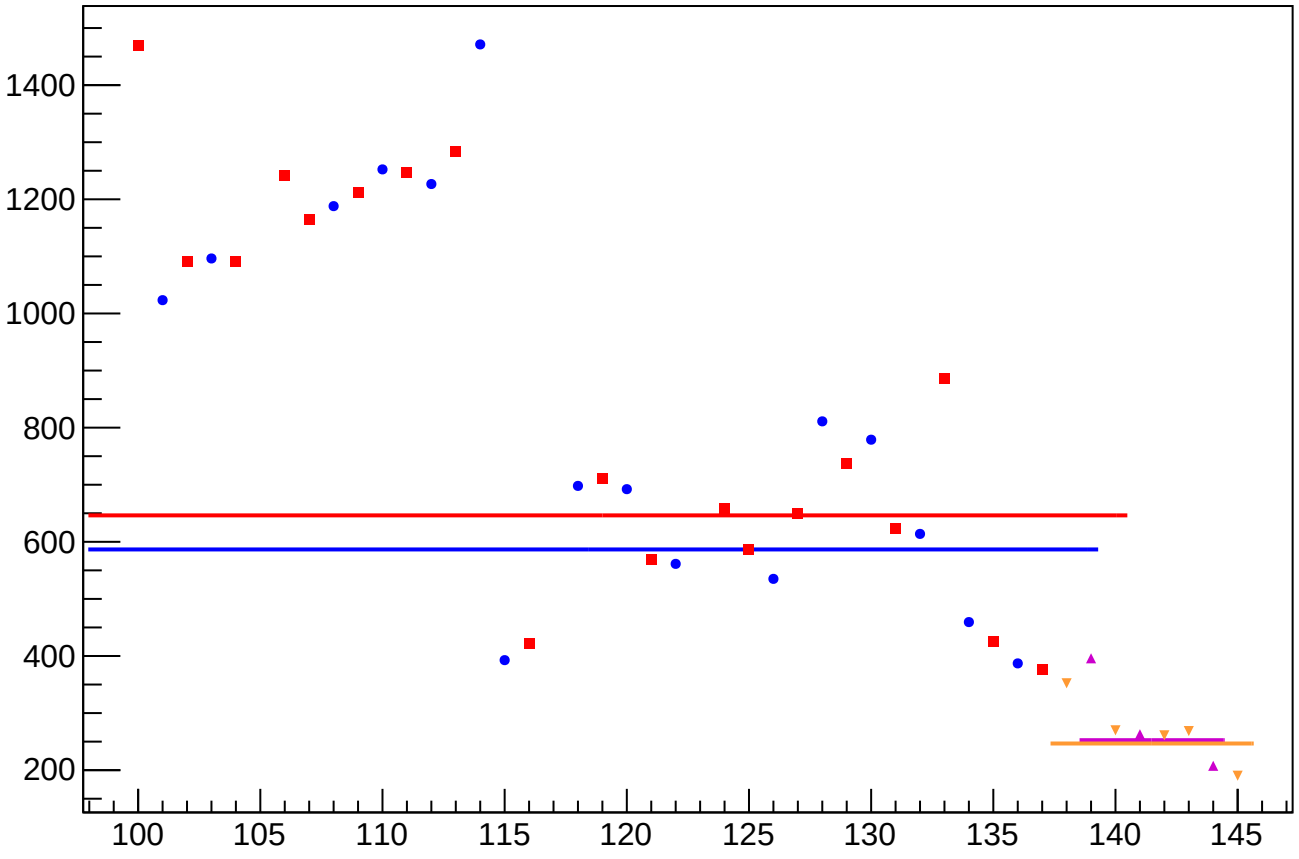
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -159.410+/-161.812 χ^2/NDF:1.8/2

\+ sign -268.958+/-115.466 χ^2/NDF: 27.0/20

All: -248.133+/-88.253 χ^2/NDF: 40.6/42

\- sign -218.874+/-136.861 χ^2/NDF: 13.6/21



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

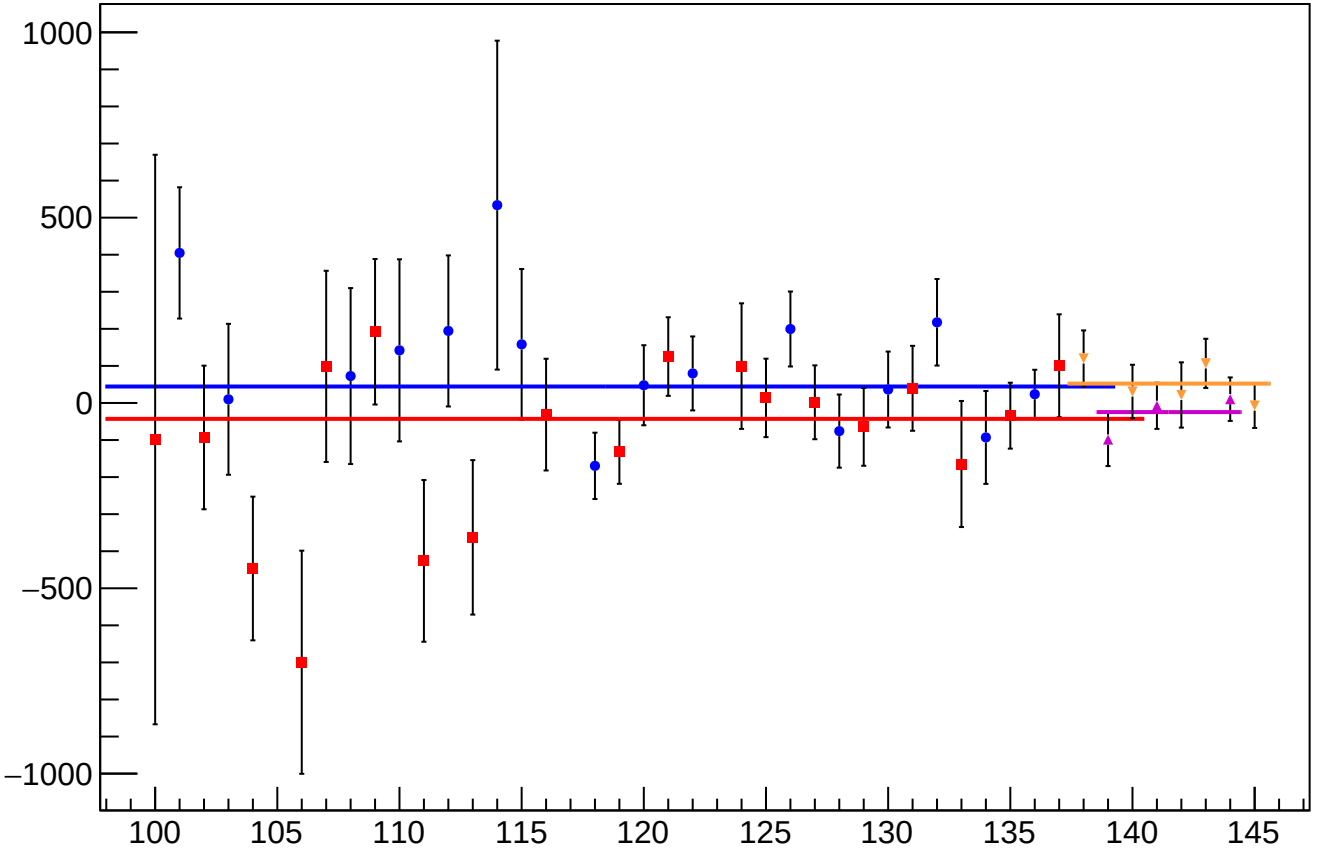
Left In: 252.524+/-0.114 χ^2/NDF:305431.6/2

+ sign 327.433+/-0.082 χ^2/NDF: 5493939.5/20

All: 342.892+/-0.062 χ^2/NDF: 11320353.6/42

- sign 364.610+/-0.097 χ^2/NDF: 5740205.1/21

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

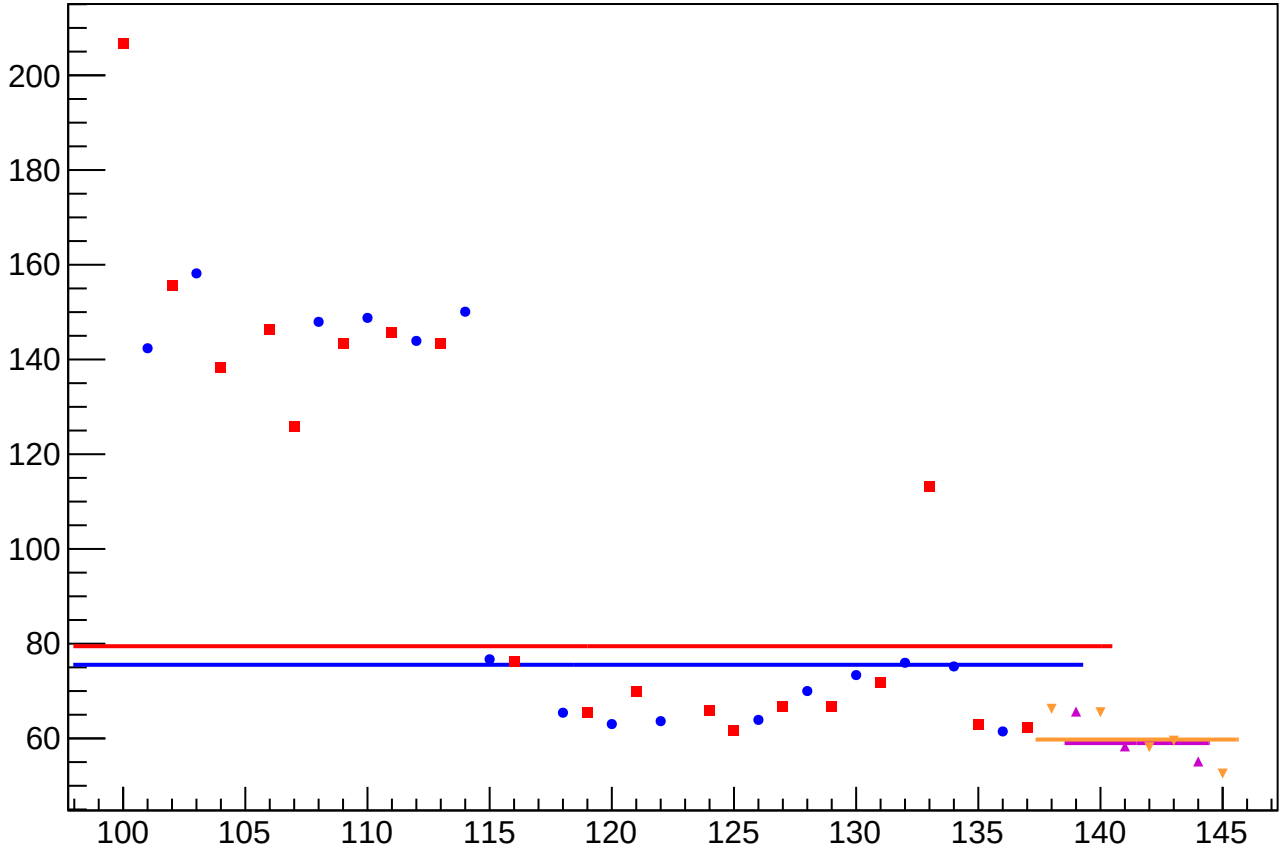
Left In: -24.607+/-36.675 χ^2/NDF:1.5/2

+ sign 48.080+/-21.741 χ^2/NDF: 22.3/20

All: 10.170+/-16.047 χ^2/NDF: 53.9/42

- sign -35.206+/-23.785 χ^2/NDF: 24.9/21

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

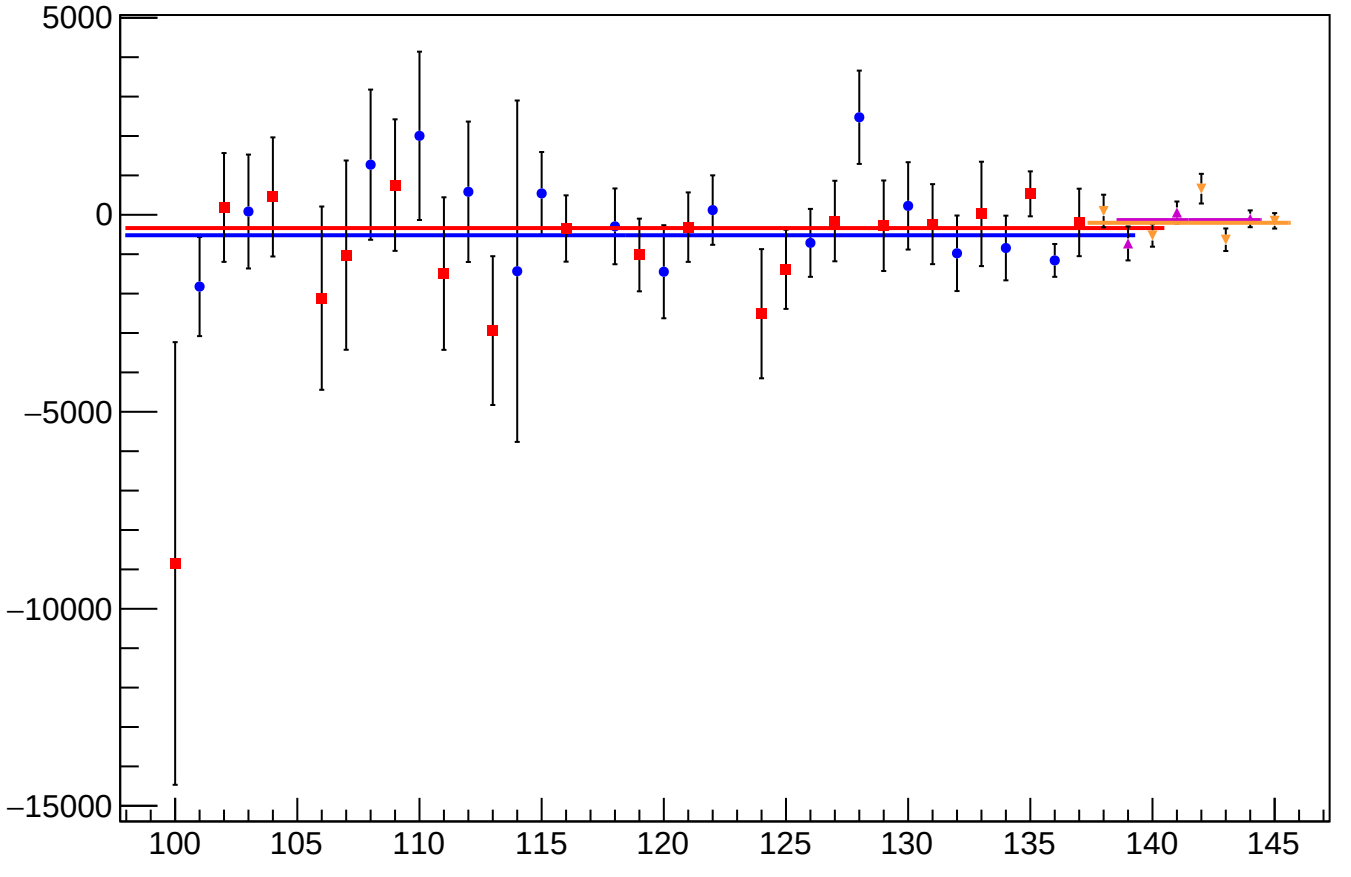
Left In: 59.012+/-0.026 χ^2/NDF:26301.3/2

+ sign 68.102+/-0.015 χ^2/NDF: 1784647.3/20

All: 69.358+/-0.011 χ^2/NDF: 3869676.0/42

- sign 70.862+/-0.017 χ^2/NDF: 2070351.0/21

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

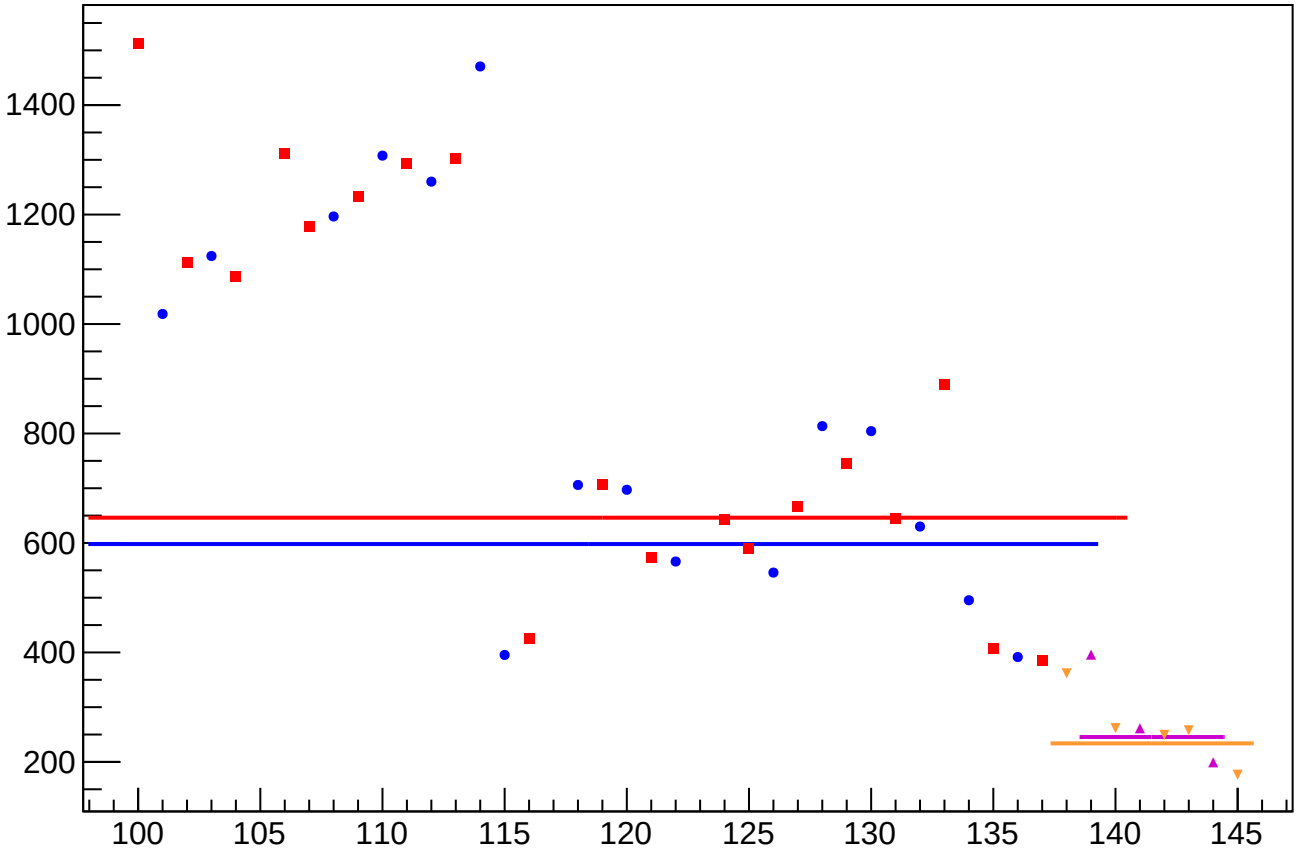
Left In: -134.033+/-157.754 χ^2/NDF:2.4/2

+ sign -270.708+/-111.515 χ^2/NDF: 26.5/20

All: -237.645+/-85.818 χ^2/NDF: 41.5/42

- sign -189.626+/-134.391 χ^2/NDF: 14.8/21

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

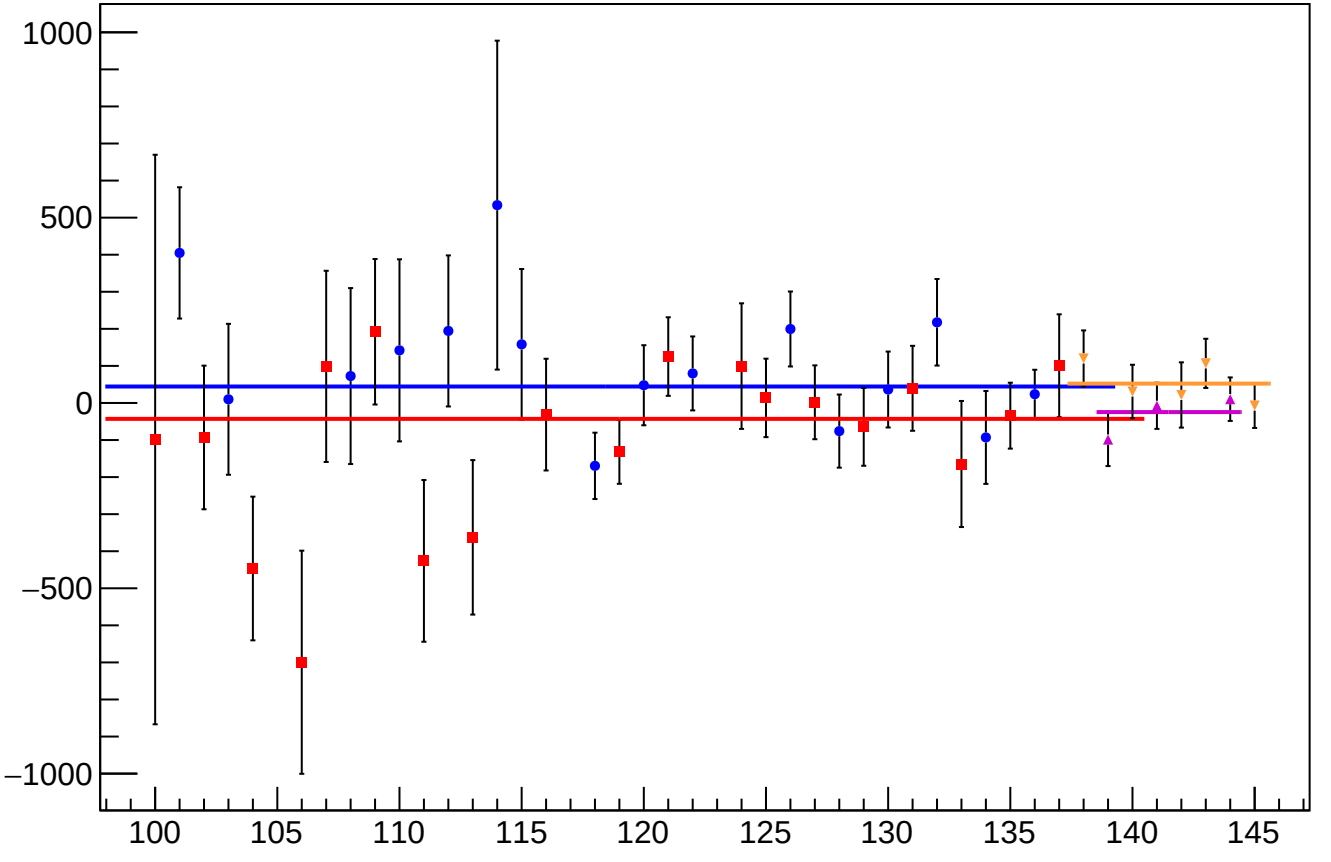
Left In: 245.458+/-0.112 χ^2/NDF:344210.4/2

+ sign 311.637+/-0.079 χ^2/NDF: 6027605.9/20

All: 329.468+/-0.061 χ^2/NDF: 12242161.0/42

- sign 355.364+/-0.095 χ^2/NDF: 6089158.8/21

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

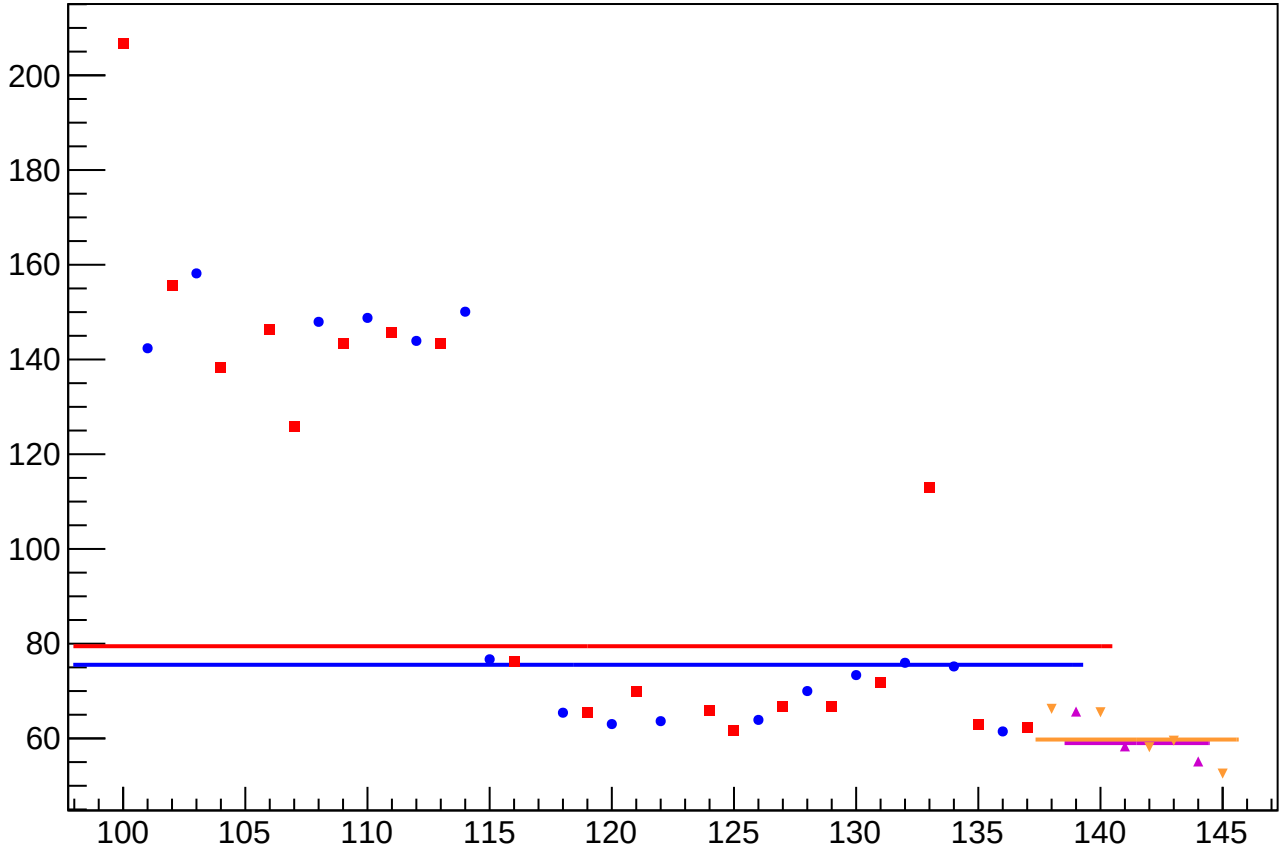
Left In: -24.607+/-36.675 χ^2/NDF:1.5/2

+ sign 48.080+/-21.741 χ^2/NDF: 22.3/20

All: 10.170+/-16.047 χ^2/NDF: 53.9/42

- sign -35.206+/-23.785 χ^2/NDF: 24.9/21

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

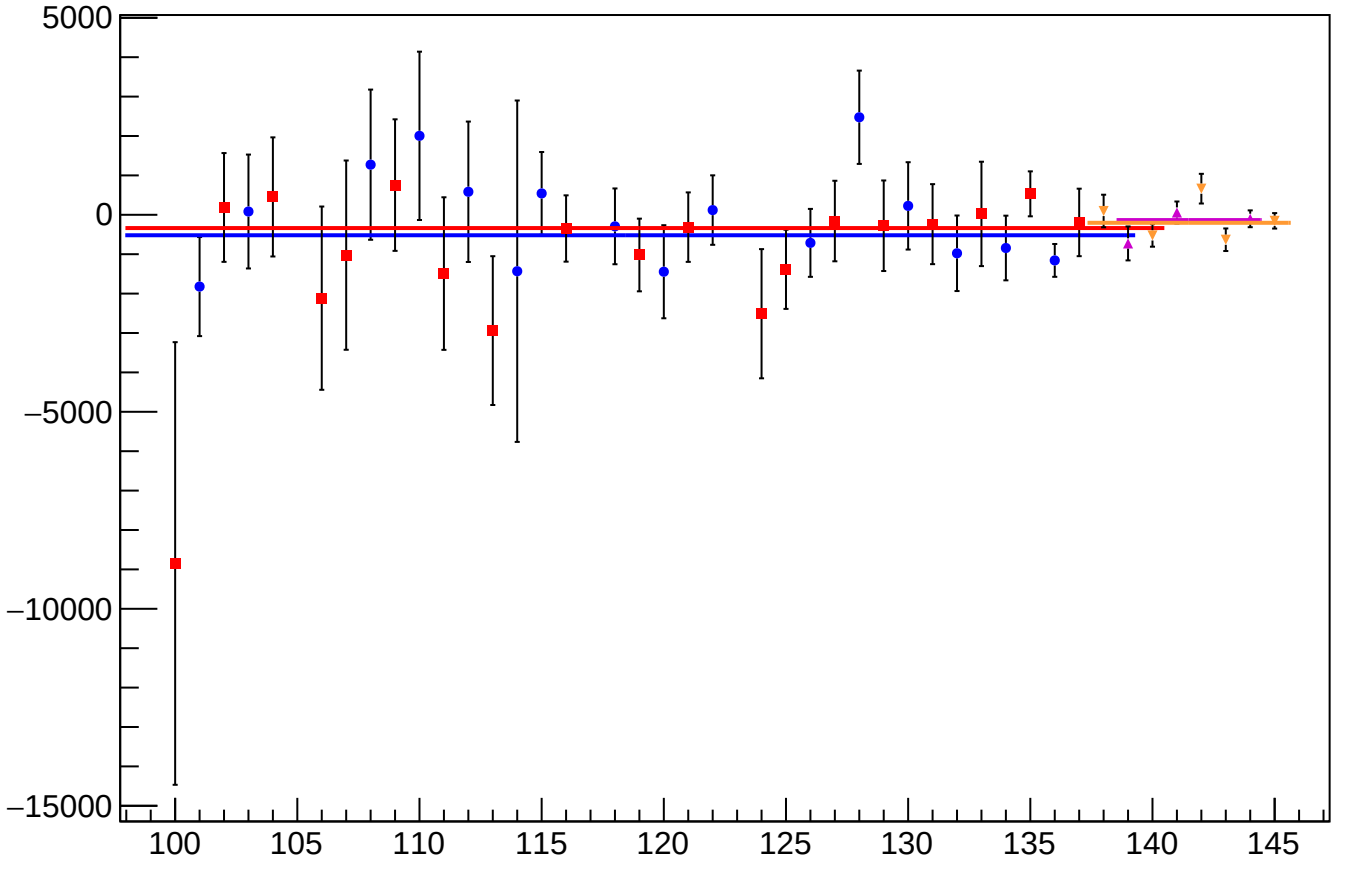
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 59.012+/-0.026 χ^2/NDF:26300.8/2

+ sign 68.102+/-0.015 χ^2/NDF: 1784610.0/20

All: 69.358+/-0.011 χ^2/NDF: 3869613.1/42

- sign 70.862+/-0.017 χ^2/NDF: 2070325.3/21



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -203.223+/-125.747 χ^2/NDF:9.4/4

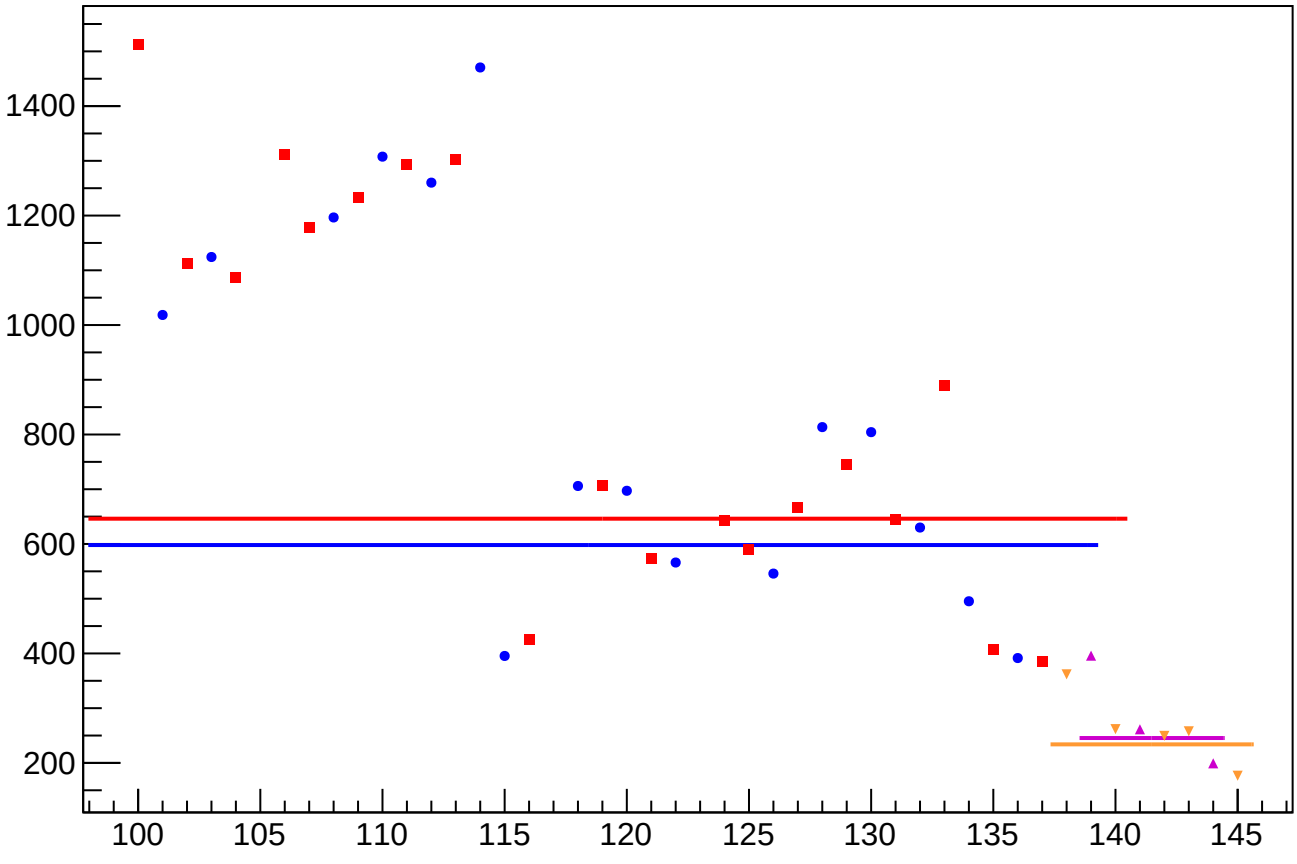
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -134.034+/-157.754 χ^2/NDF:2.4/2

+ sign -270.709+/-111.515 χ^2/NDF: 26.5/20

All: -237.646+/-85.818 χ^2/NDF: 41.5/42

- sign -189.627+/-134.391 χ^2/NDF: 14.8/21



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

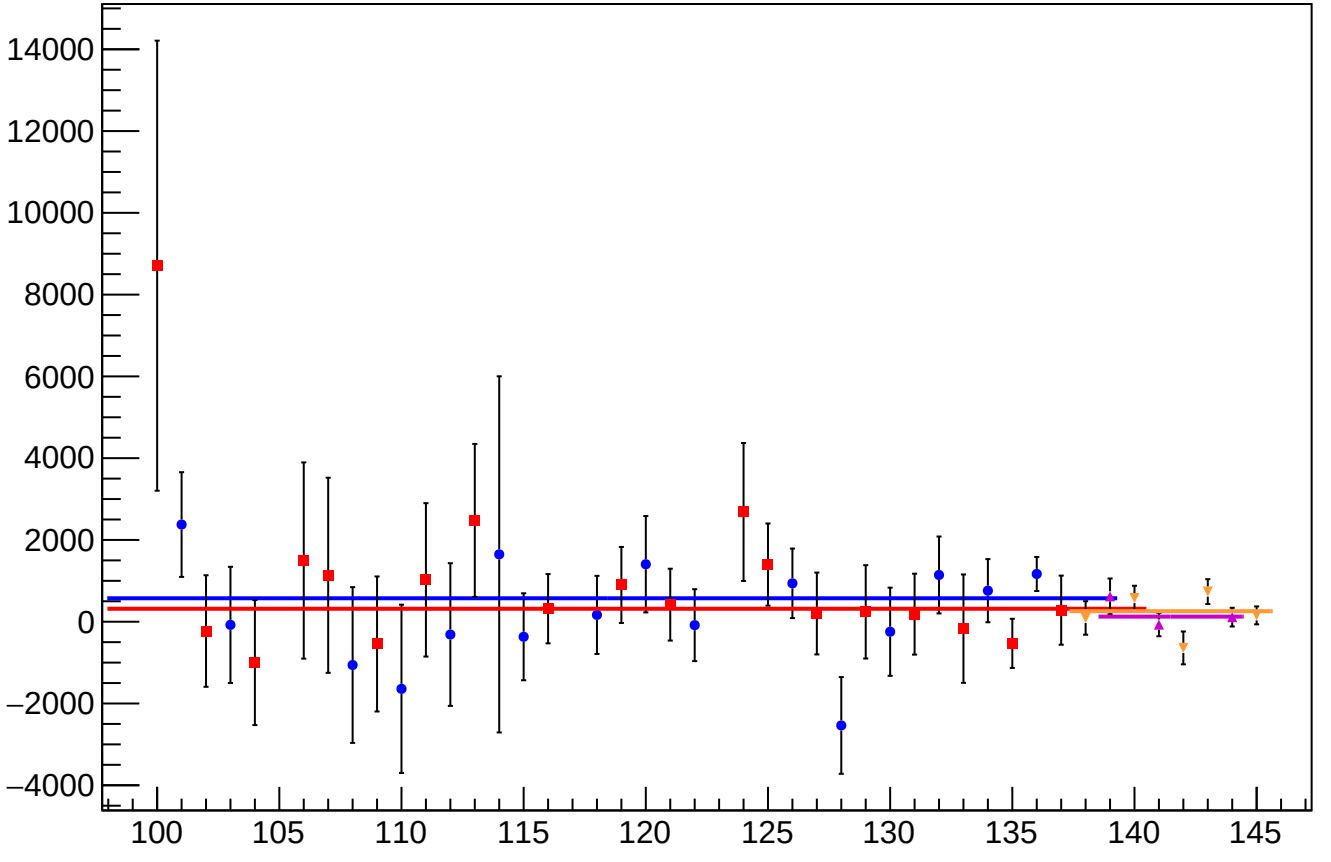
Left In: 245.458+/-0.112 χ^2/NDF:344207.6/2

+ sign 311.636+/-0.079 χ^2/NDF: 6027601.4/20

All: 329.467+/-0.061 χ^2/NDF: 12242148.3/42

- sign 355.364+/-0.095 χ^2/NDF: 6089149.3/21

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

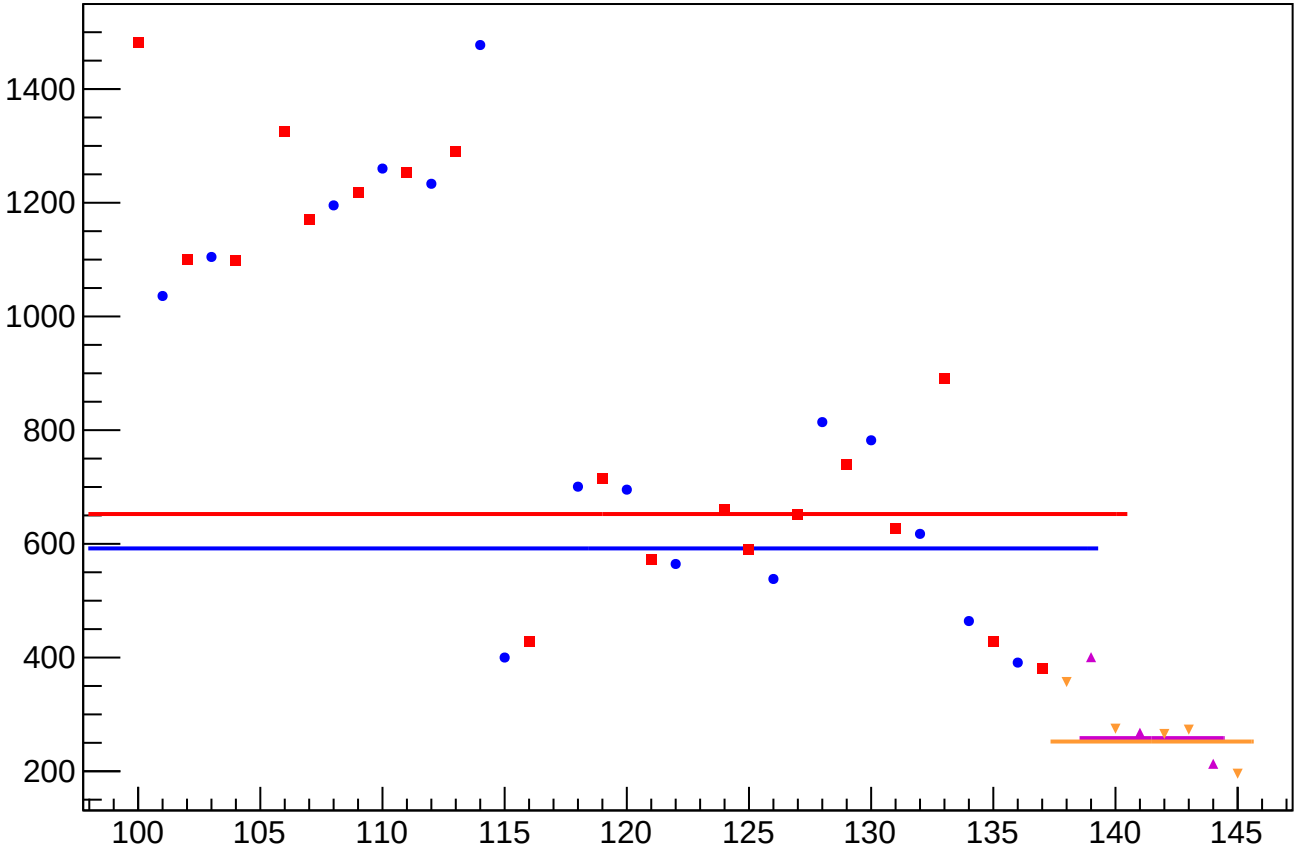
Left In: 124.576+/-165.247 χ^2/NDF:1.8/2

\+ sign 334.346+/-117.574 χ^2/NDF: 26.9/20

All: 270.253+/-89.819 χ^2/NDF: 40.8/42

\- sign 180.429+/-139.189 χ^2/NDF: 13.2/21

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

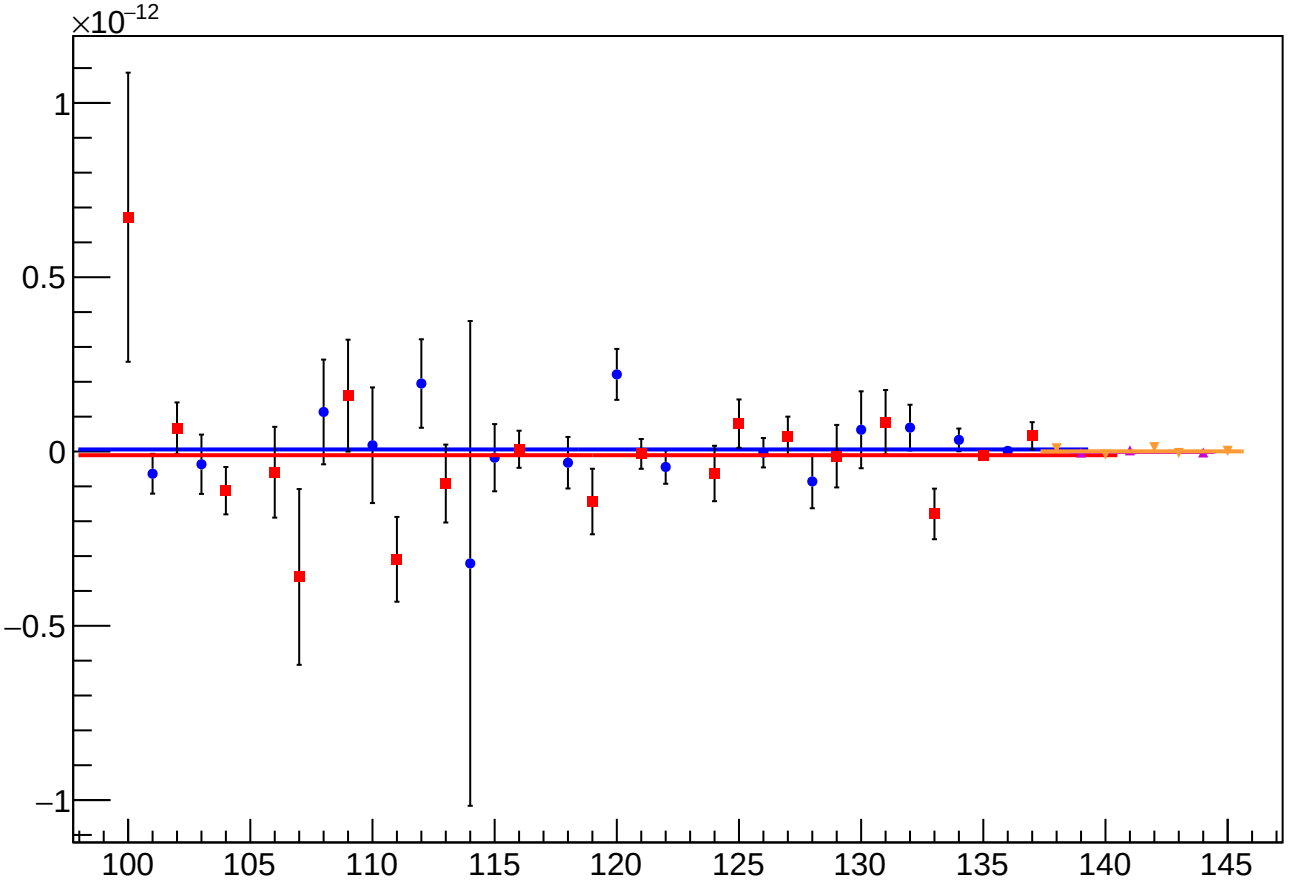
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 258.280+/-0.117 χ^2/NDF:293540.4/2

+ sign 334.533+/-0.083 χ^2/NDF: 5386648.5/20

All: 350.466+/-0.064 χ^2/NDF: 11164476.5/42

- sign 372.795+/-0.098 χ^2/NDF: 5689629.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/4

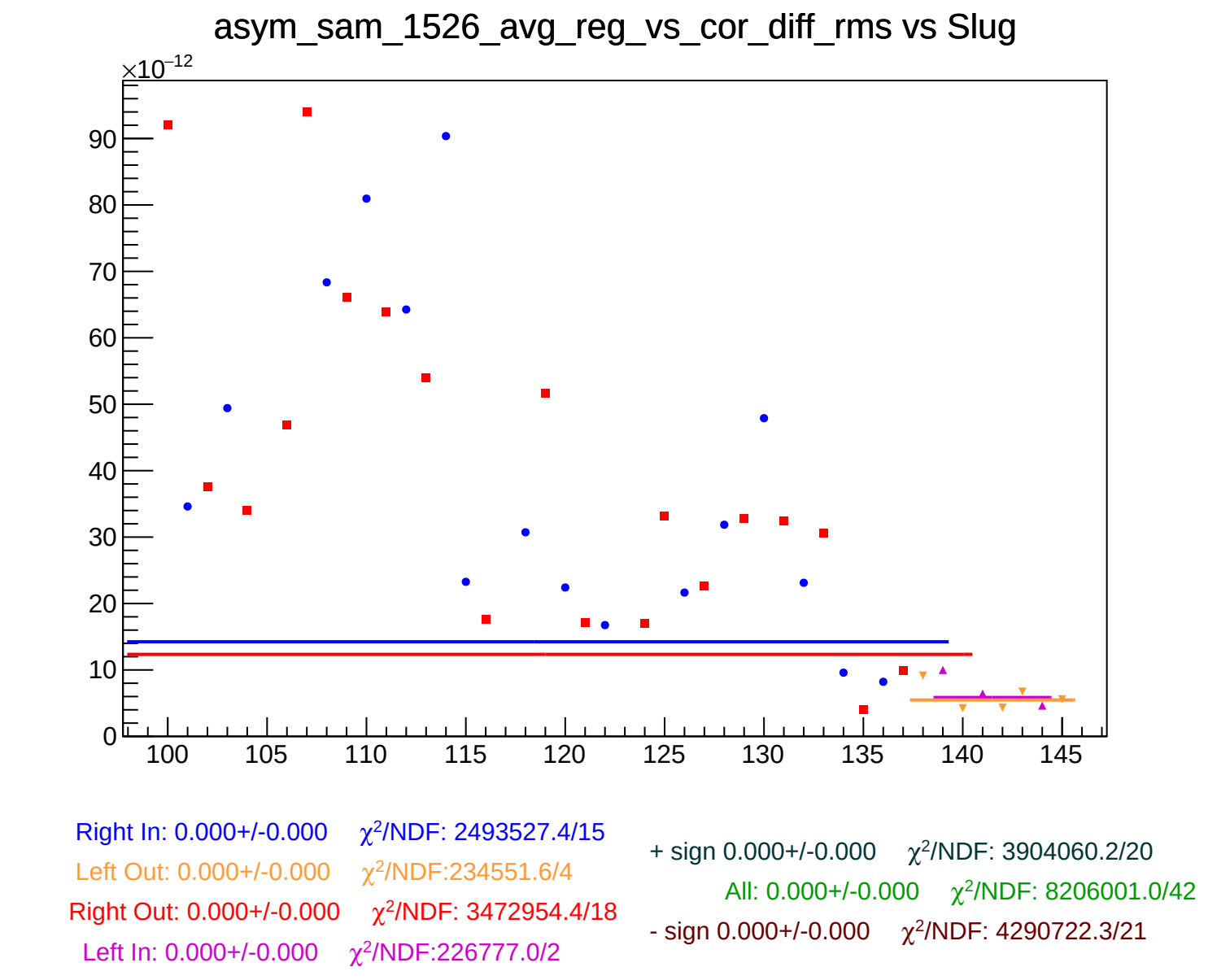
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

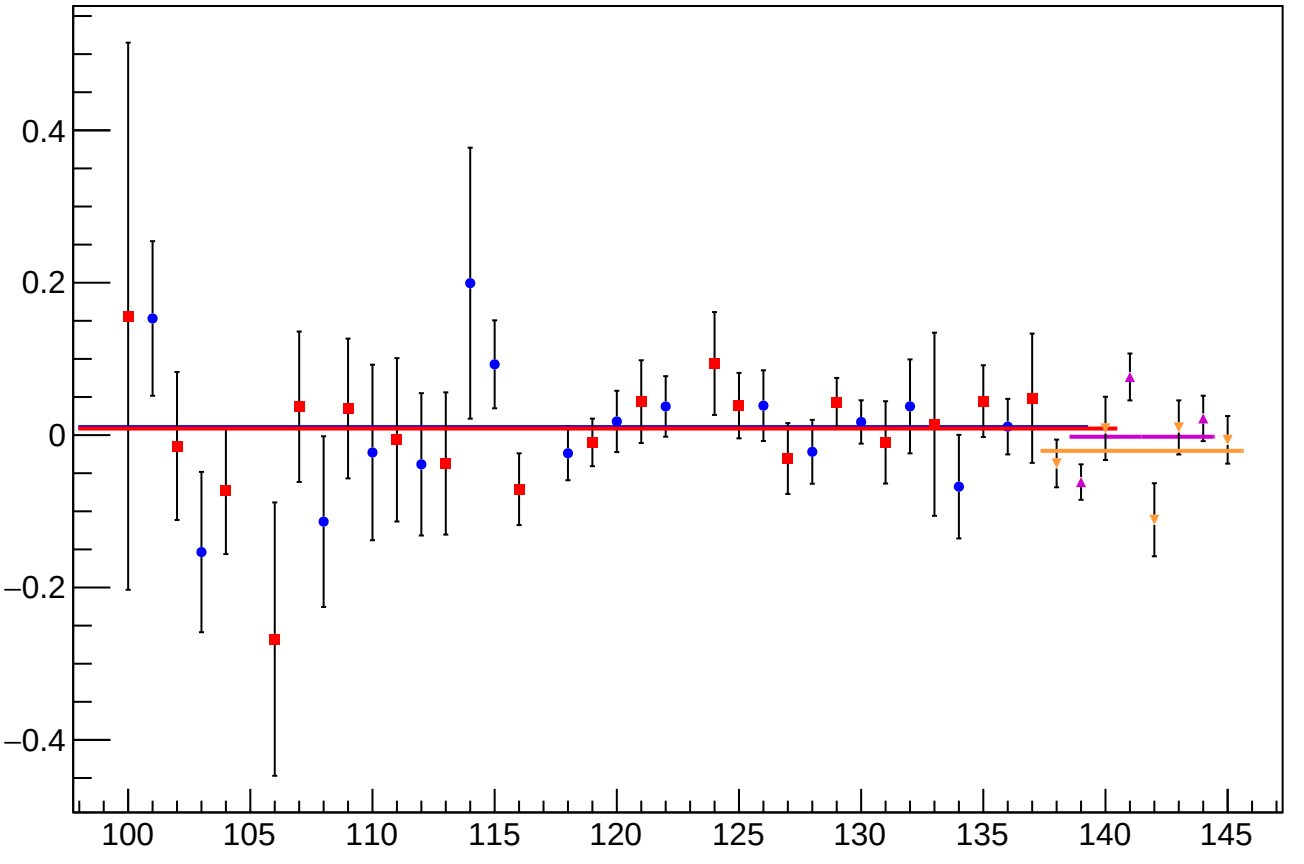
Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/20

All: -0.000+/-0.000 χ^2/NDF: 52.5/42

- sign -0.000+/-0.000 χ^2/NDF: 30.3/21


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:234551.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:226777.0/2
+ sign 0.000+/-0.000 χ²/NDF: 3904060.2/20
All: 0.000+/-0.000 χ²/NDF: 8206001.0/42
- sign 0.000+/-0.000 χ²/NDF: 4290722.3/21



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

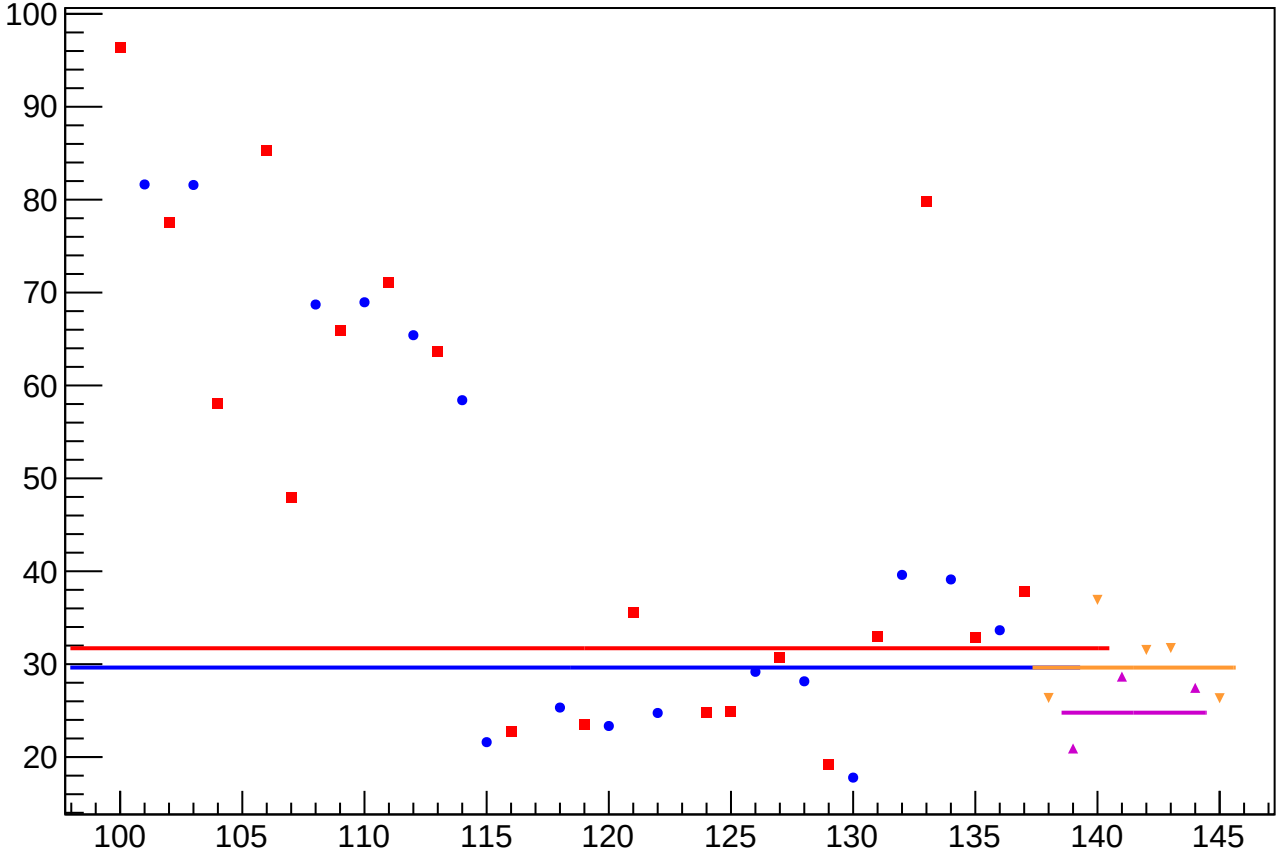
Left In: -0.002+/-0.016 χ^2/NDF:13.7/2

+ sign -0.001+/-0.010 χ^2/NDF: 20.8/20

All: 0.001+/-0.007 χ^2/NDF: 47.3/42

- sign 0.004+/-0.010 χ^2/NDF: 26.4/21

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

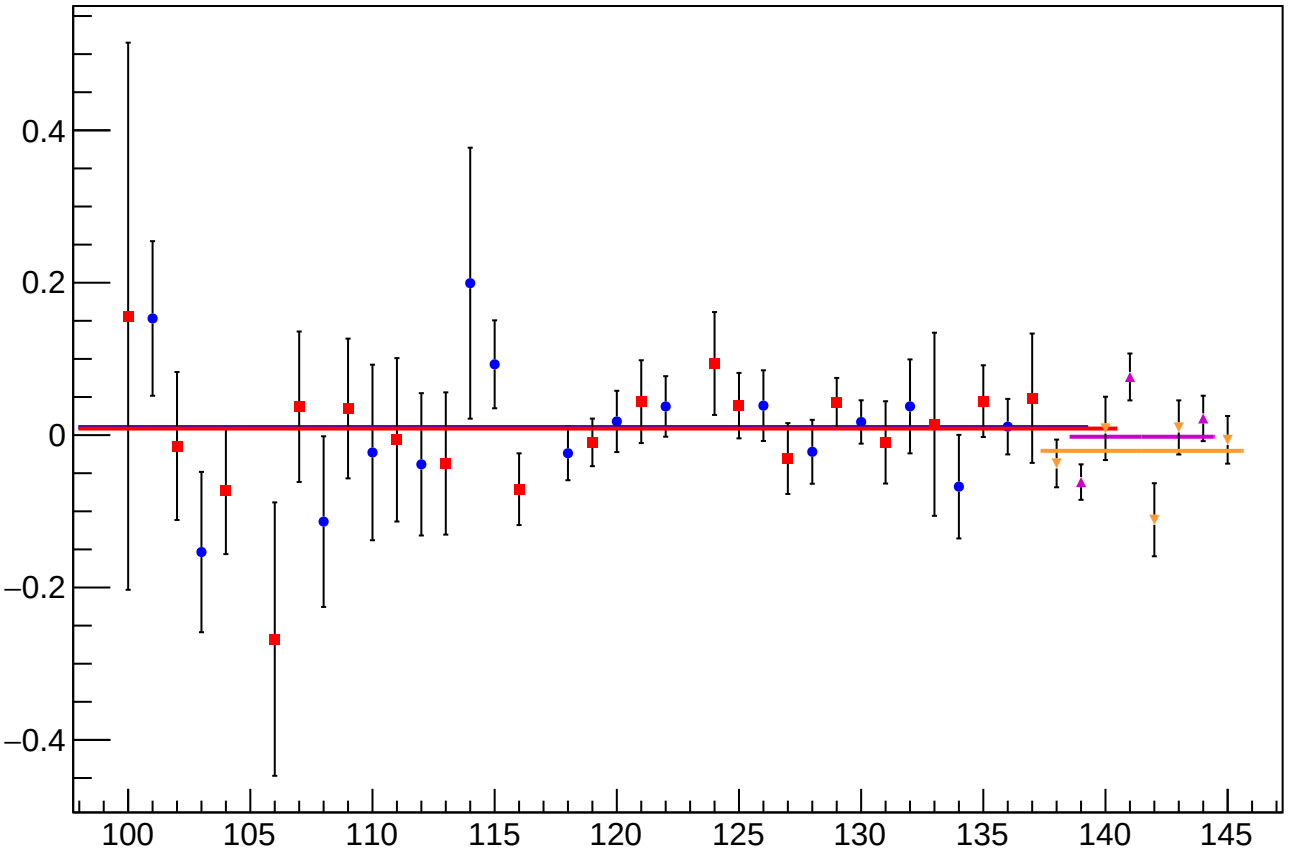
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 24.777+/-0.011 χ^2/NDF:102702.5/2

+ sign 29.633+/-0.007 χ^2/NDF: 2564346.3/20

All: 29.247+/-0.005 χ^2/NDF: 5551759.0/42

- sign 28.843+/-0.007 χ^2/NDF: 2981189.7/21



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

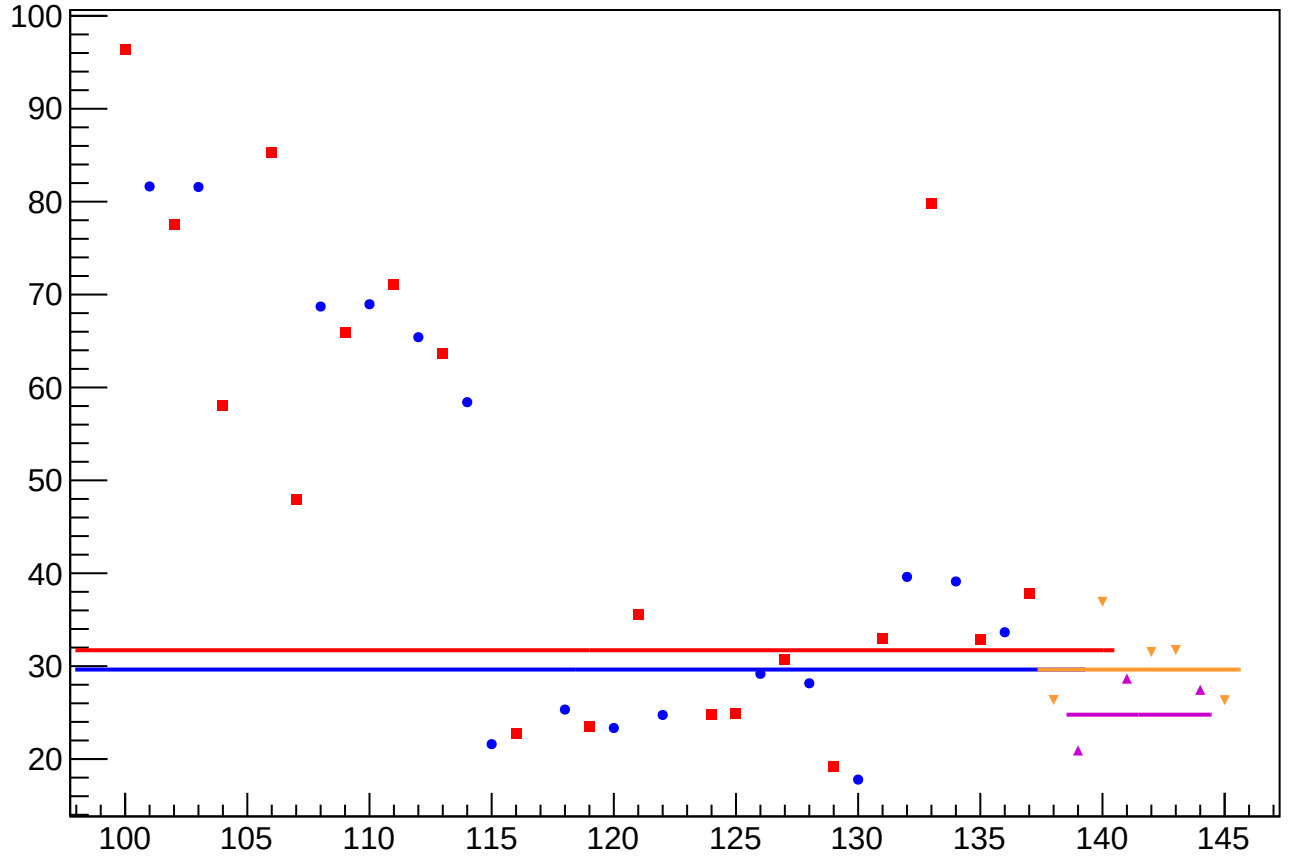
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.002+/-0.016 χ^2/NDF:13.7/2

+ sign -0.001+/-0.010 χ^2/NDF: 20.8/20

All: 0.001+/-0.007 χ^2/NDF: 47.3/42

- sign 0.004+/-0.010 χ^2/NDF: 26.4/21



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.631+/-0.011 χ^2/NDF:115878.2/4

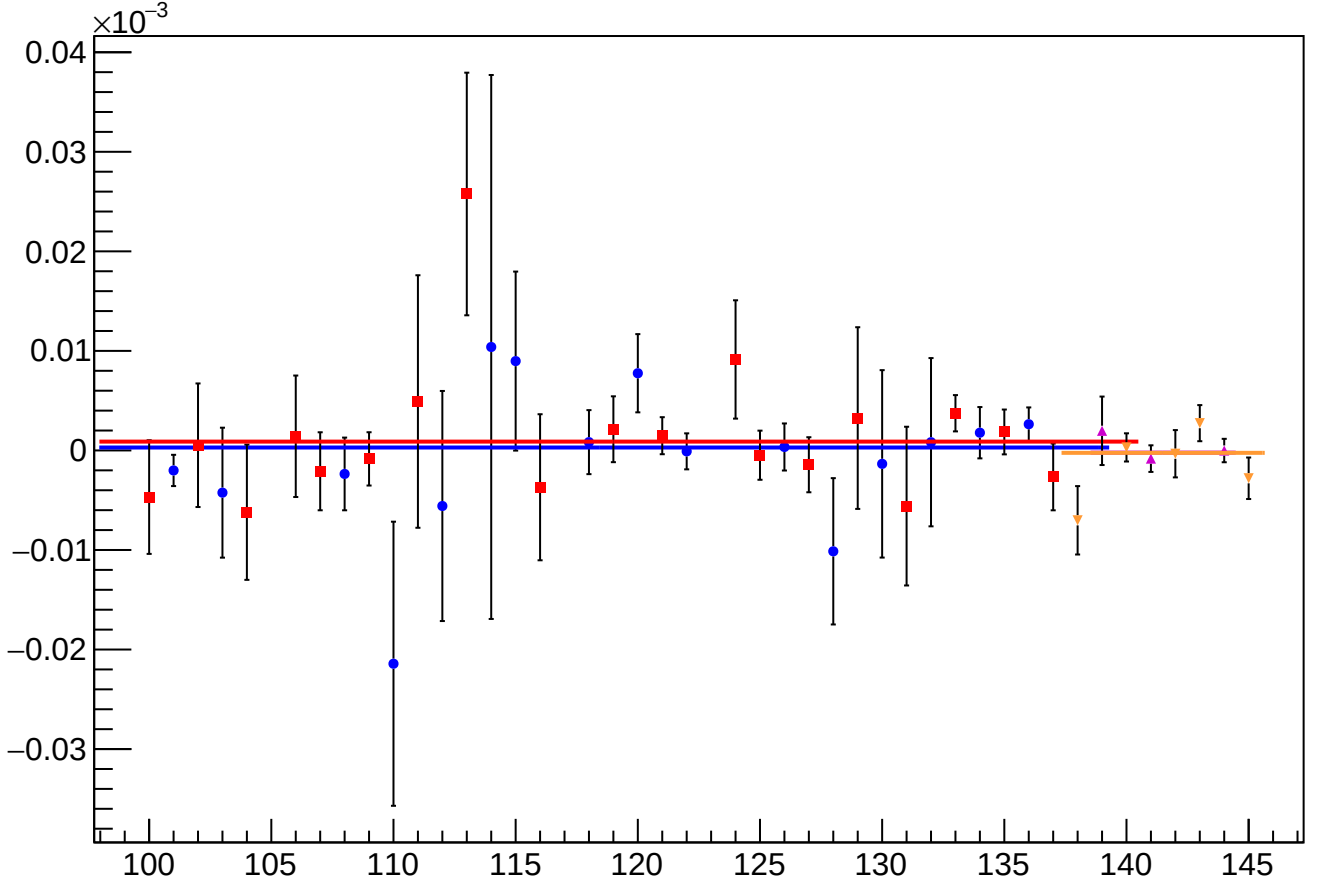
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 24.777+/-0.011 χ^2/NDF:102702.5/2

\+ sign 29.633+/-0.007 χ^2/NDF: 2564346.3/20

All: 29.247+/-0.005 χ^2/NDF: 5551759.0/42

\- sign 28.843+/-0.007 χ^2/NDF: 2981189.7/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/4

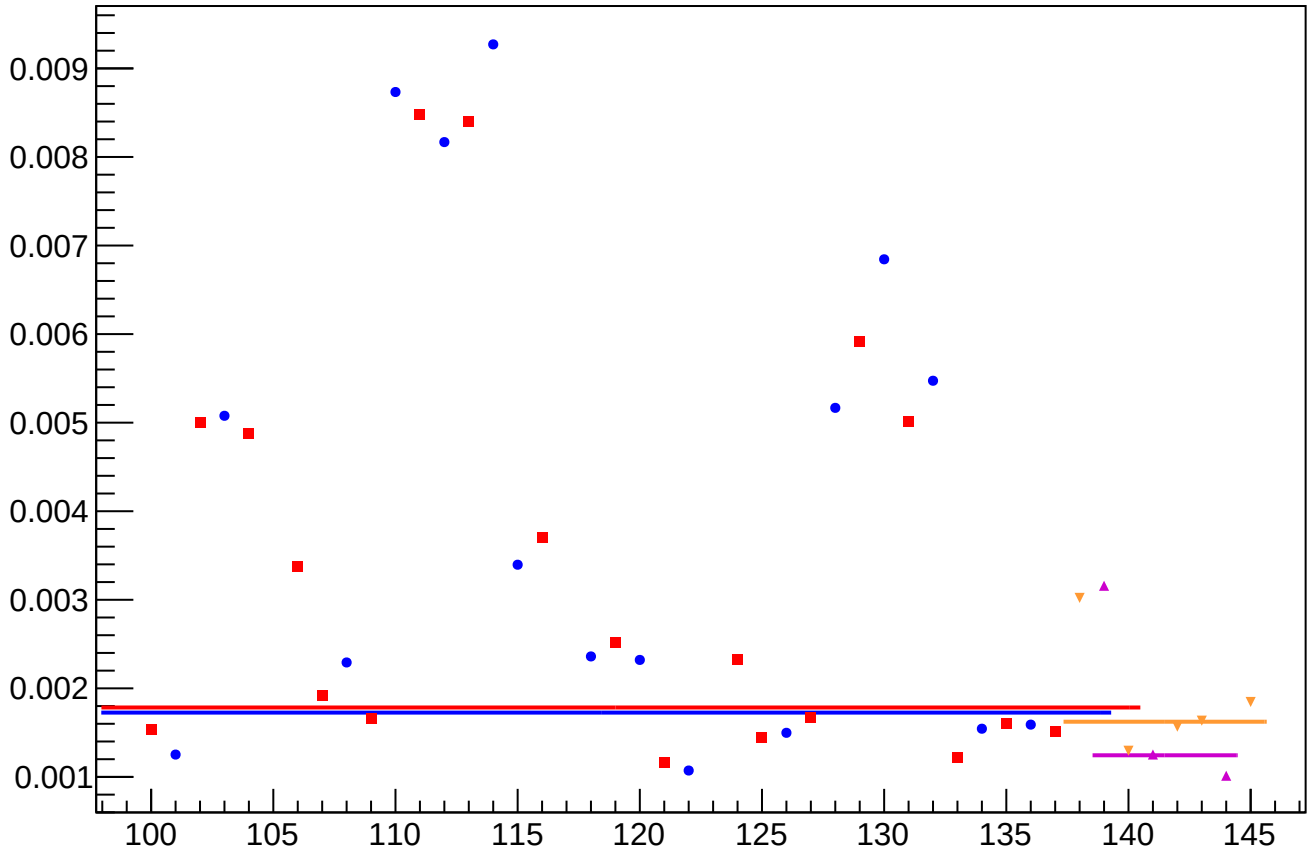
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/20

All: 0.000+/-0.000 χ^2/NDF: 40.3/42

- sign 0.000+/-0.000 χ^2/NDF: 16.9/21



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:462405.9/4

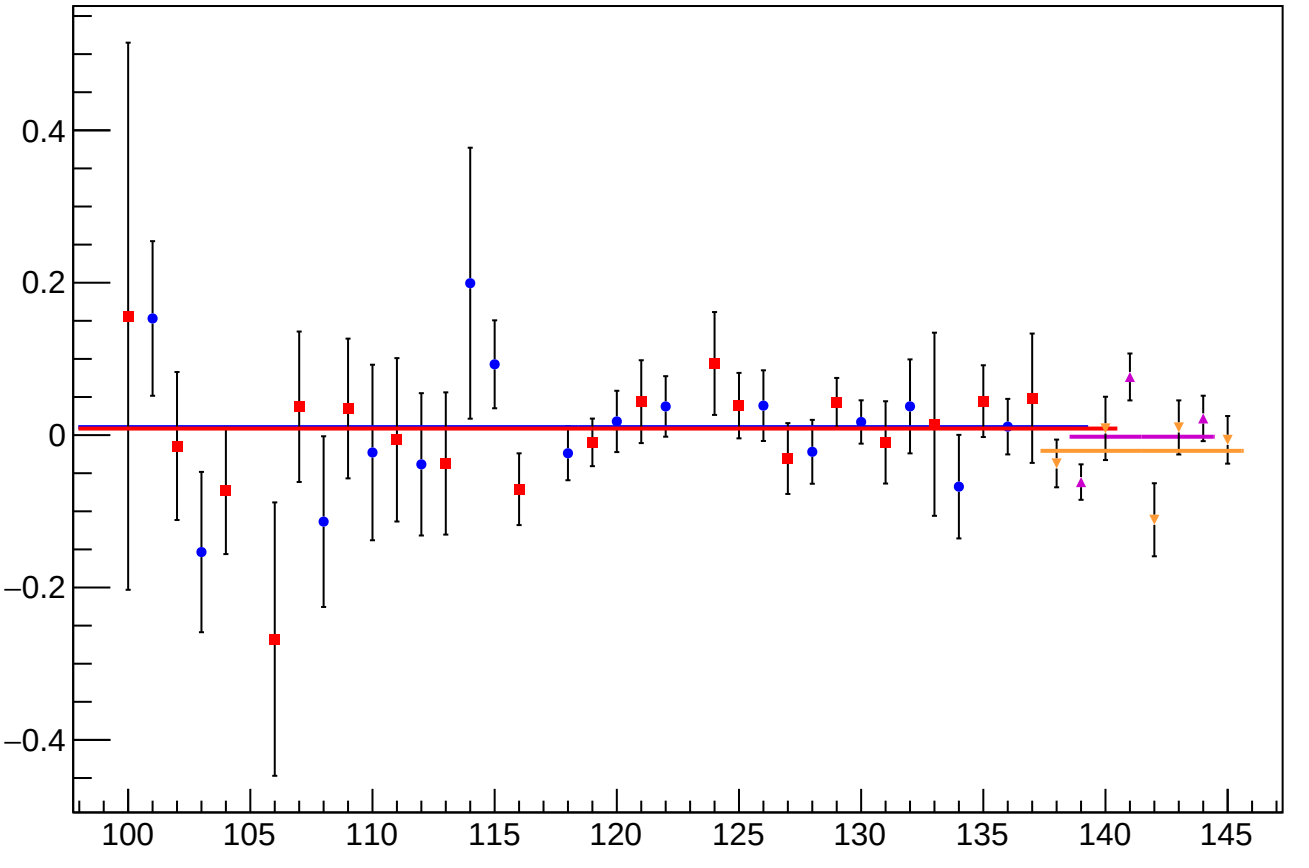
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:696846.7/2

+ sign 0.002+/-0.000 χ^2/NDF: 4410320.1/20

All: 0.002+/-0.000 χ^2/NDF: 9323496.9/42

- sign 0.002+/-0.000 χ^2/NDF: 4852316.4/21



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

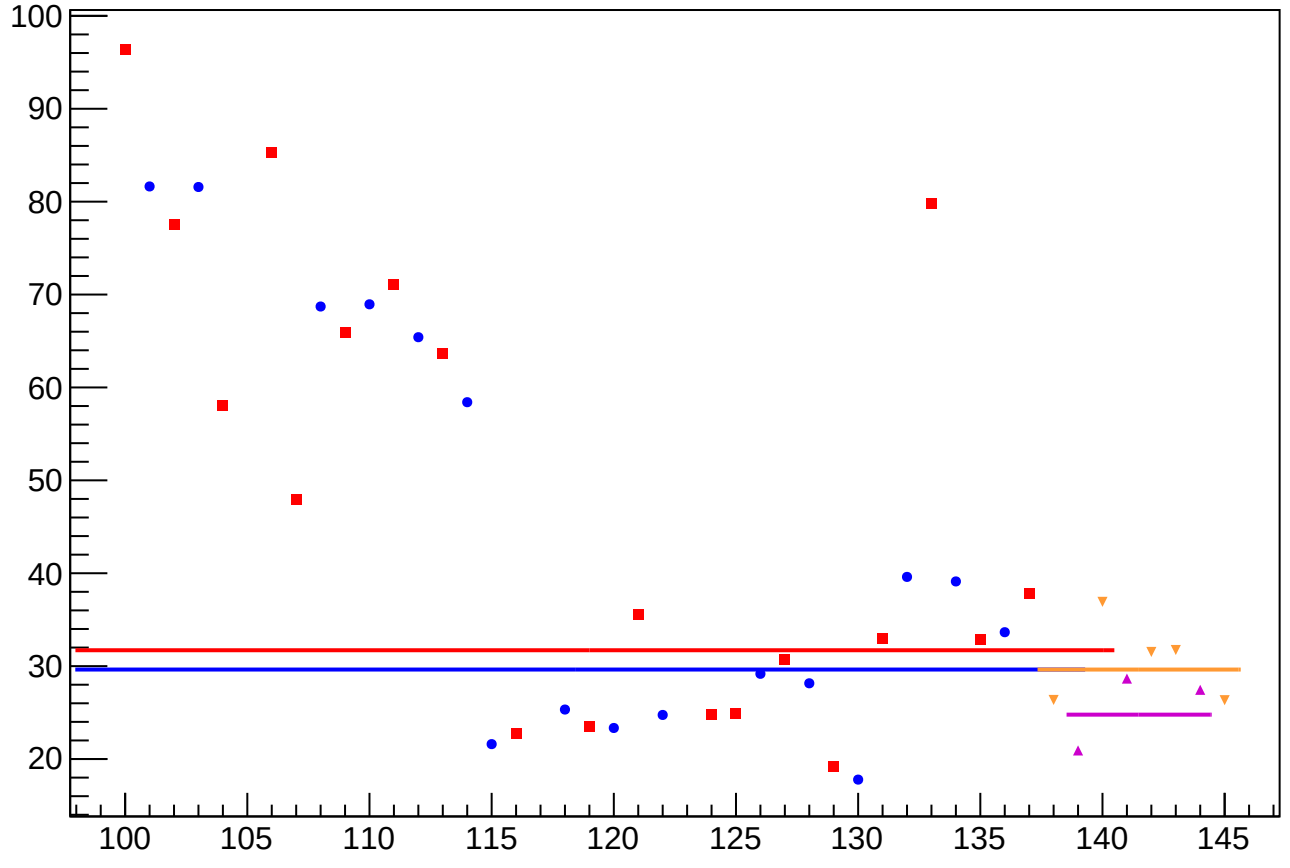
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.002+/-0.016 χ^2/NDF:13.7/2

+ sign -0.001+/-0.010 χ^2/NDF: 20.8/20

All: 0.001+/-0.007 χ^2/NDF: 47.3/42

- sign 0.004+/-0.010 χ^2/NDF: 26.4/21



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.632+/-0.011 χ^2/NDF:115870.8/4

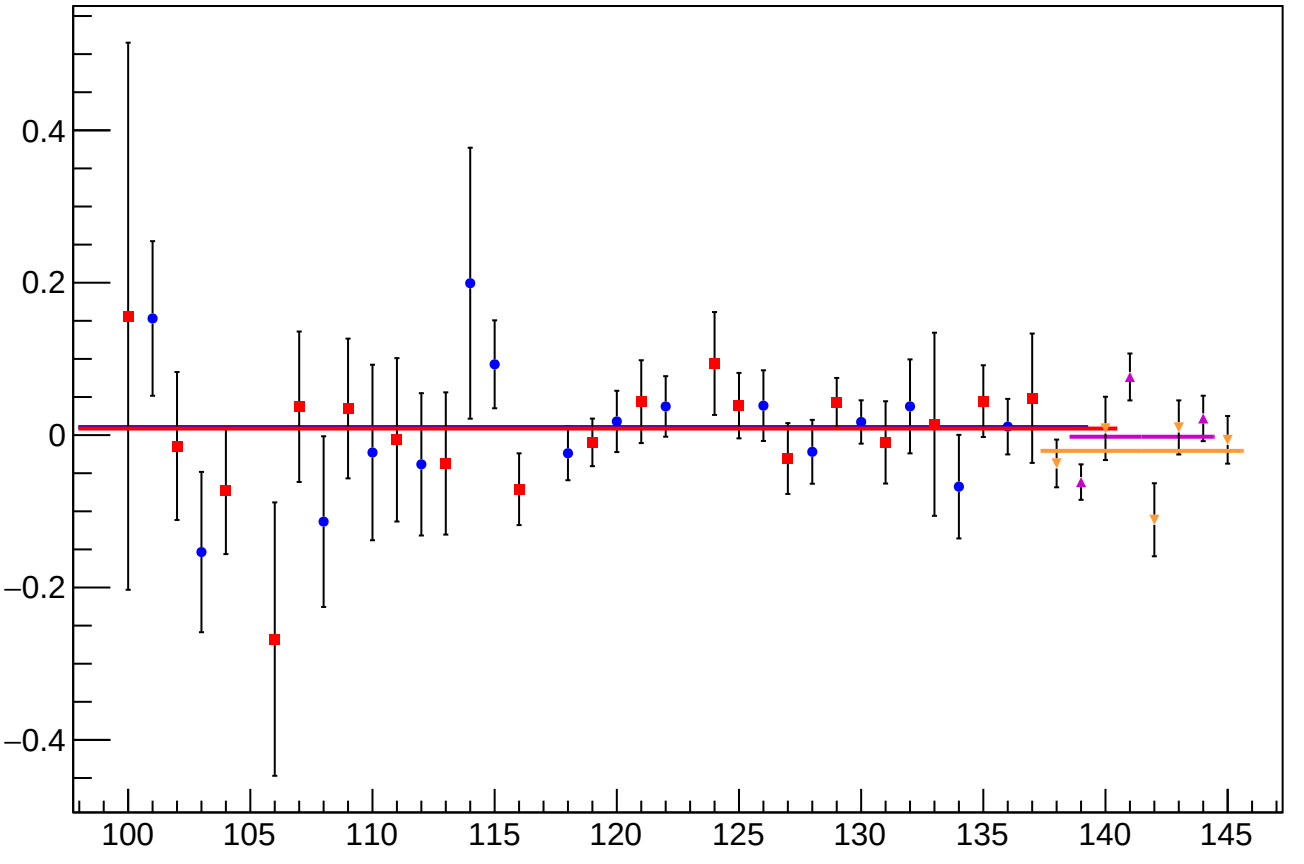
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 24.777+/-0.011 χ^2/NDF:102702.1/2

\+ sign 29.633+/-0.007 χ^2/NDF: 2564541.4/20

All: 29.247+/-0.005 χ^2/NDF: 5552009.1/42

\- sign 28.842+/-0.007 χ^2/NDF: 2981247.8/21



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

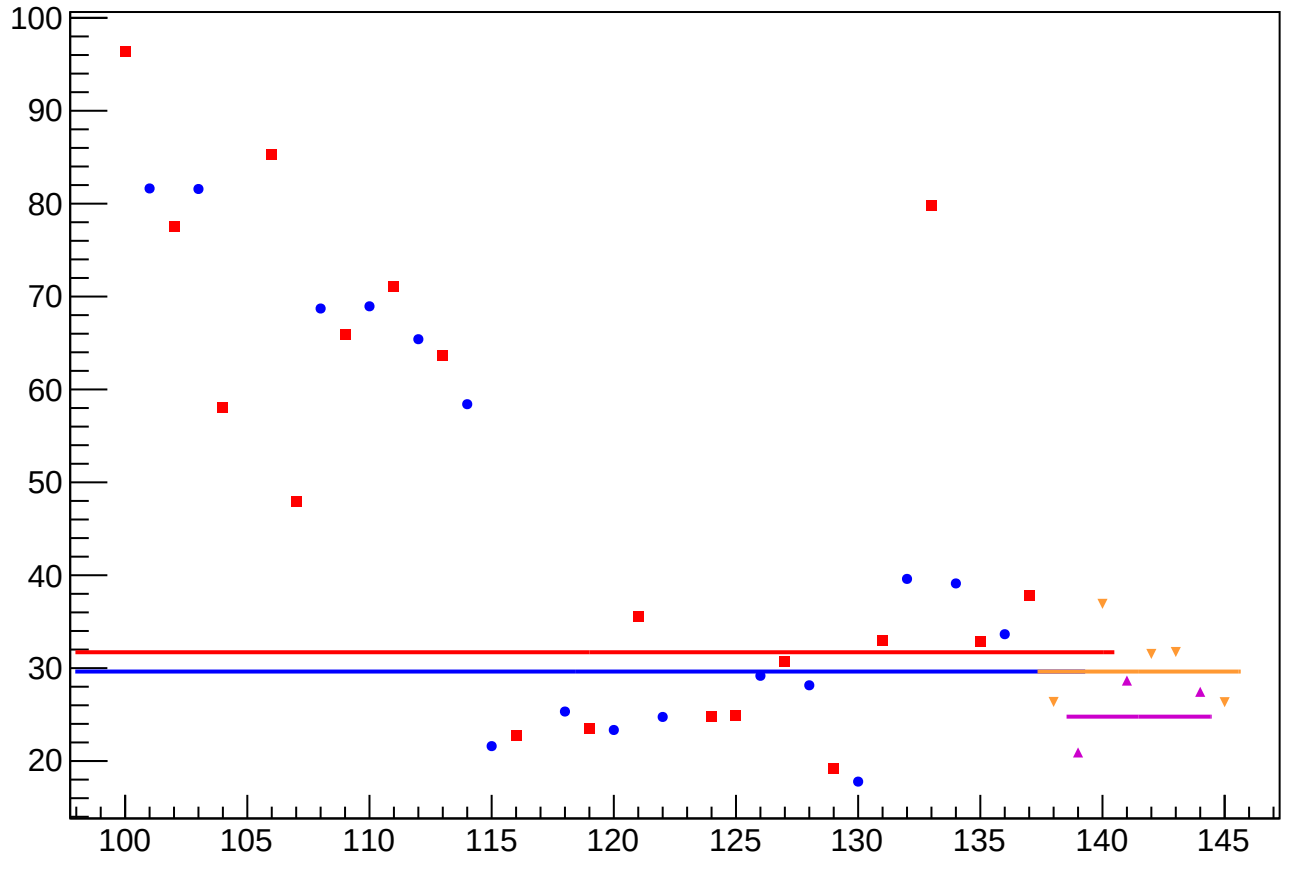
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.002+/-0.016 χ^2/NDF:13.7/2

+ sign -0.001+/-0.010 χ^2/NDF: 20.8/20

All: 0.001+/-0.007 χ^2/NDF: 47.3/42

- sign 0.004+/-0.010 χ^2/NDF: 26.4/21



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.632+/-0.011 χ^2/NDF:115870.8/4

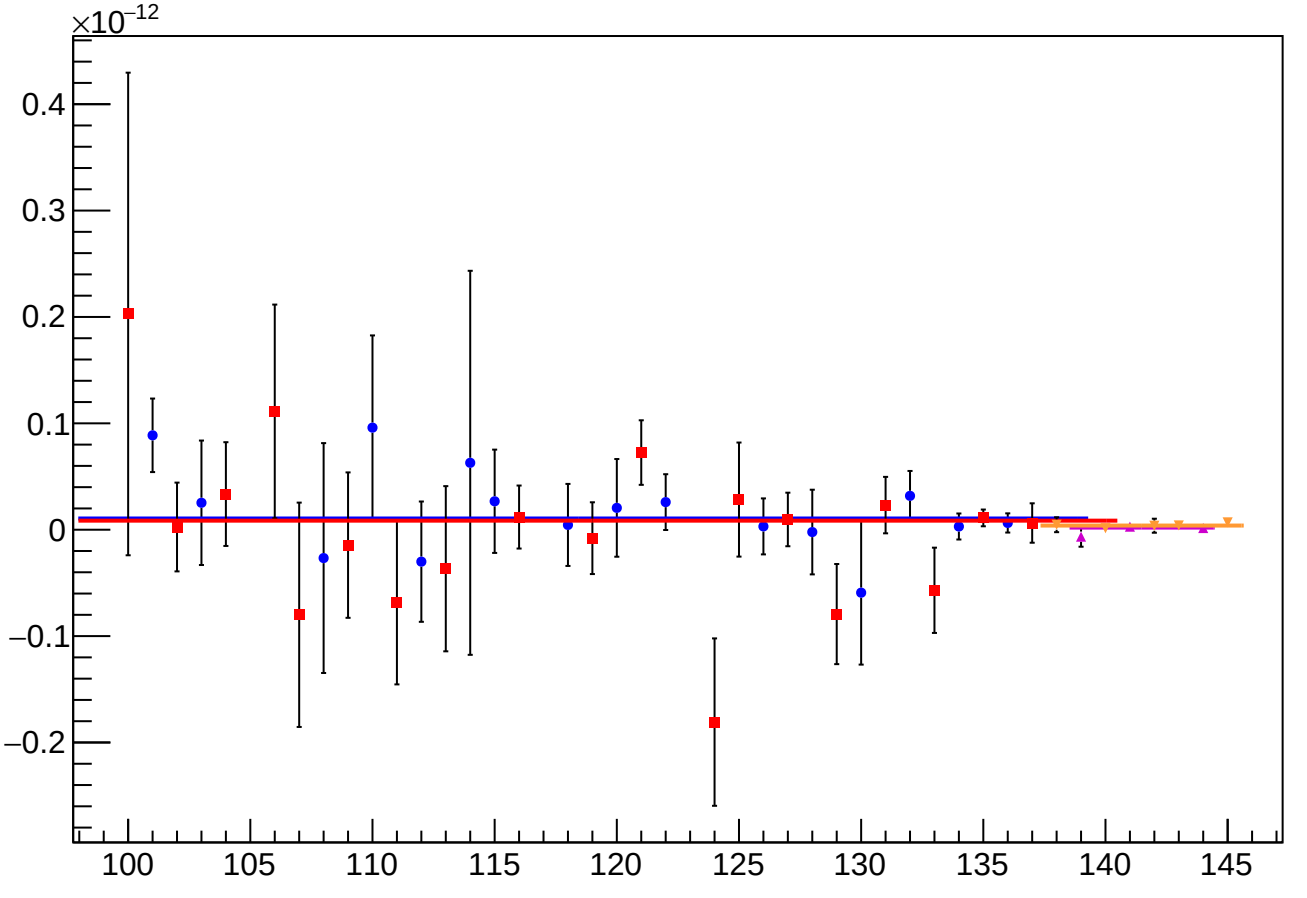
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 24.777+/-0.011 χ^2/NDF:102702.1/2

\+ sign 29.633+/-0.007 χ^2/NDF: 2564541.4/20

All: 29.247+/-0.005 χ^2/NDF: 5552009.1/42

\- sign 28.842+/-0.007 χ^2/NDF: 2981247.8/21



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

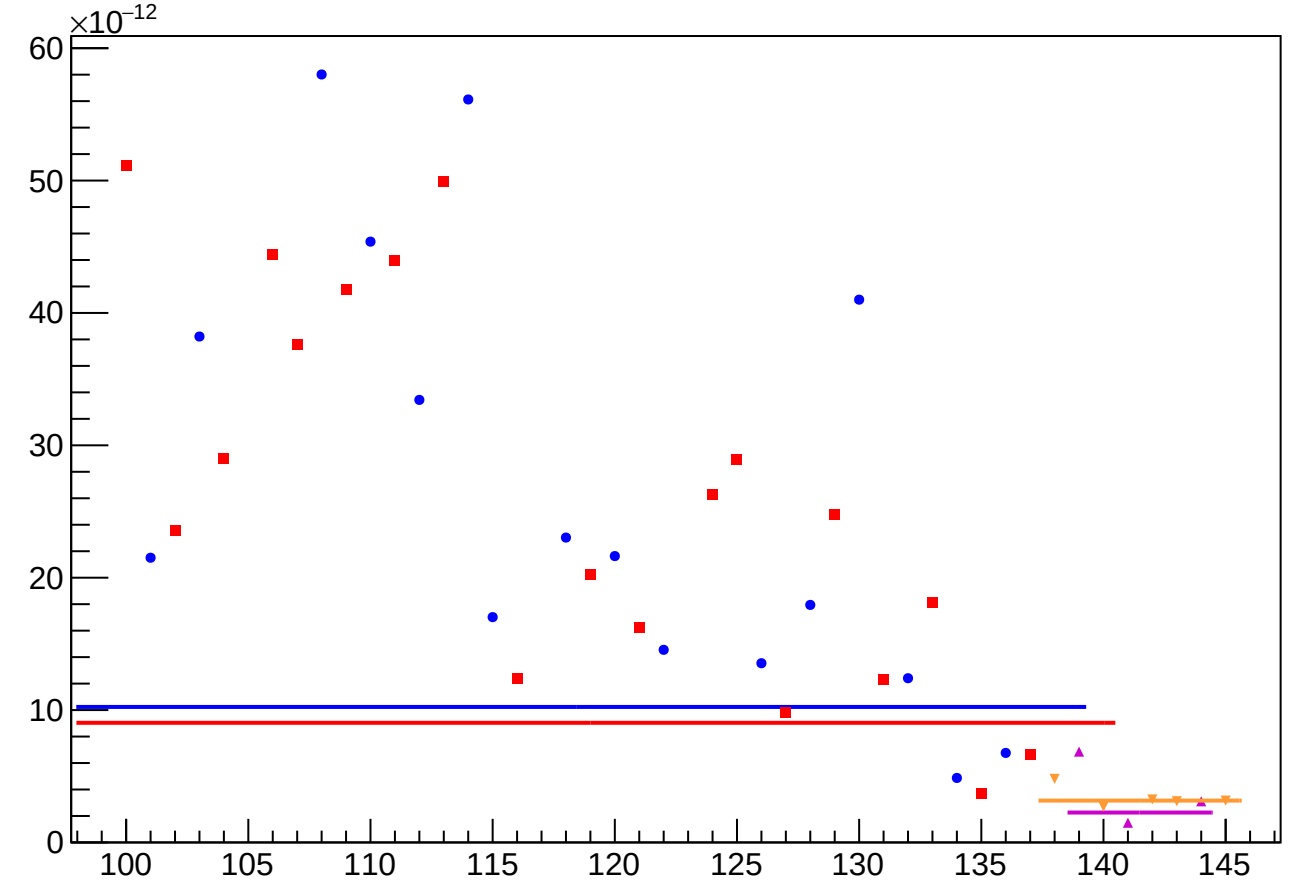
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 12.1/20

All: 0.000+/-0.000 χ^2/NDF: 36.0/42

- sign 0.000+/-0.000 χ^2/NDF: 23.4/21



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

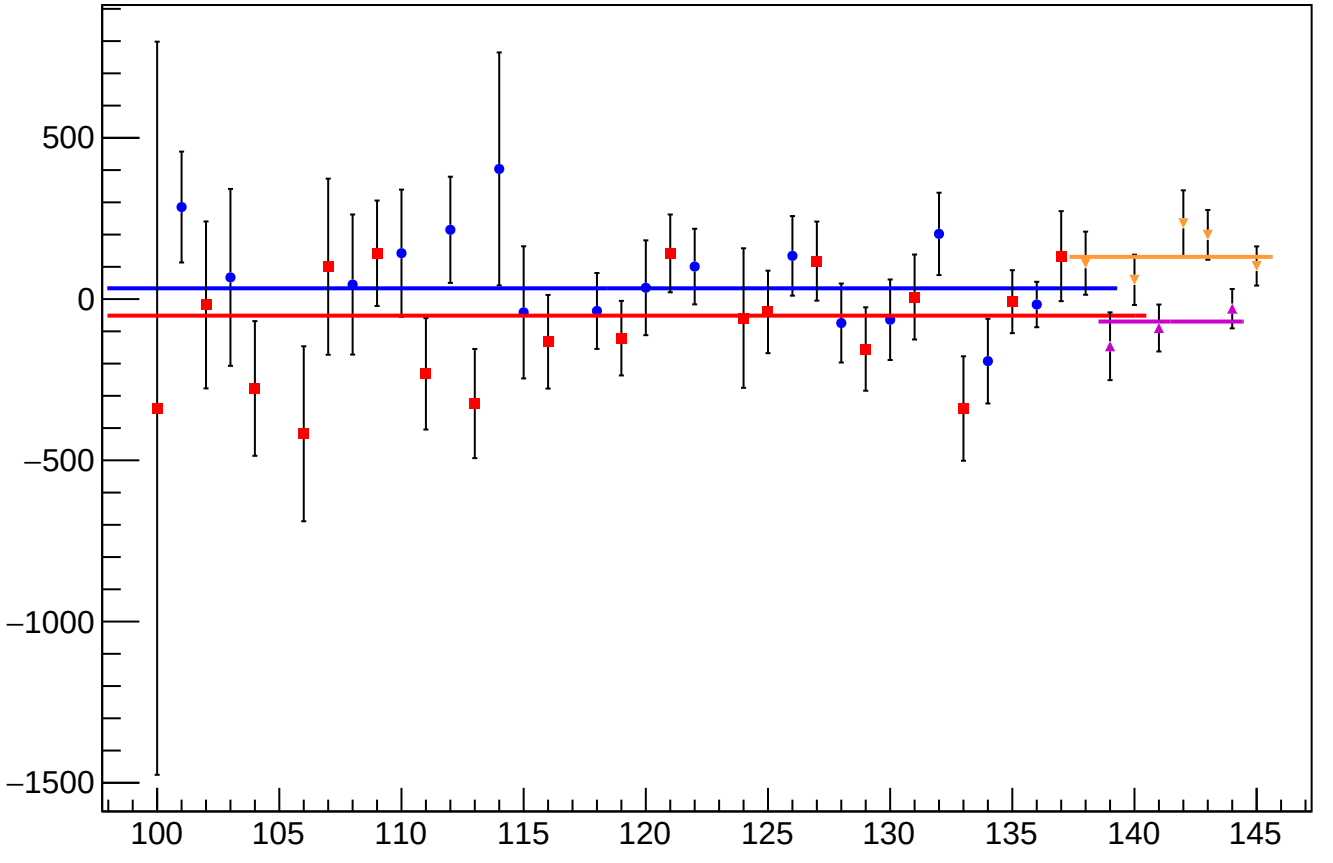
Left In: 0.000+/-0.000 χ^2/NDF:727148.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 6121598.7/20

All: 0.000+/-0.000 χ^2/NDF: 13870244.9/42

- sign 0.000+/-0.000 χ^2/NDF: 7551431.8/21

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

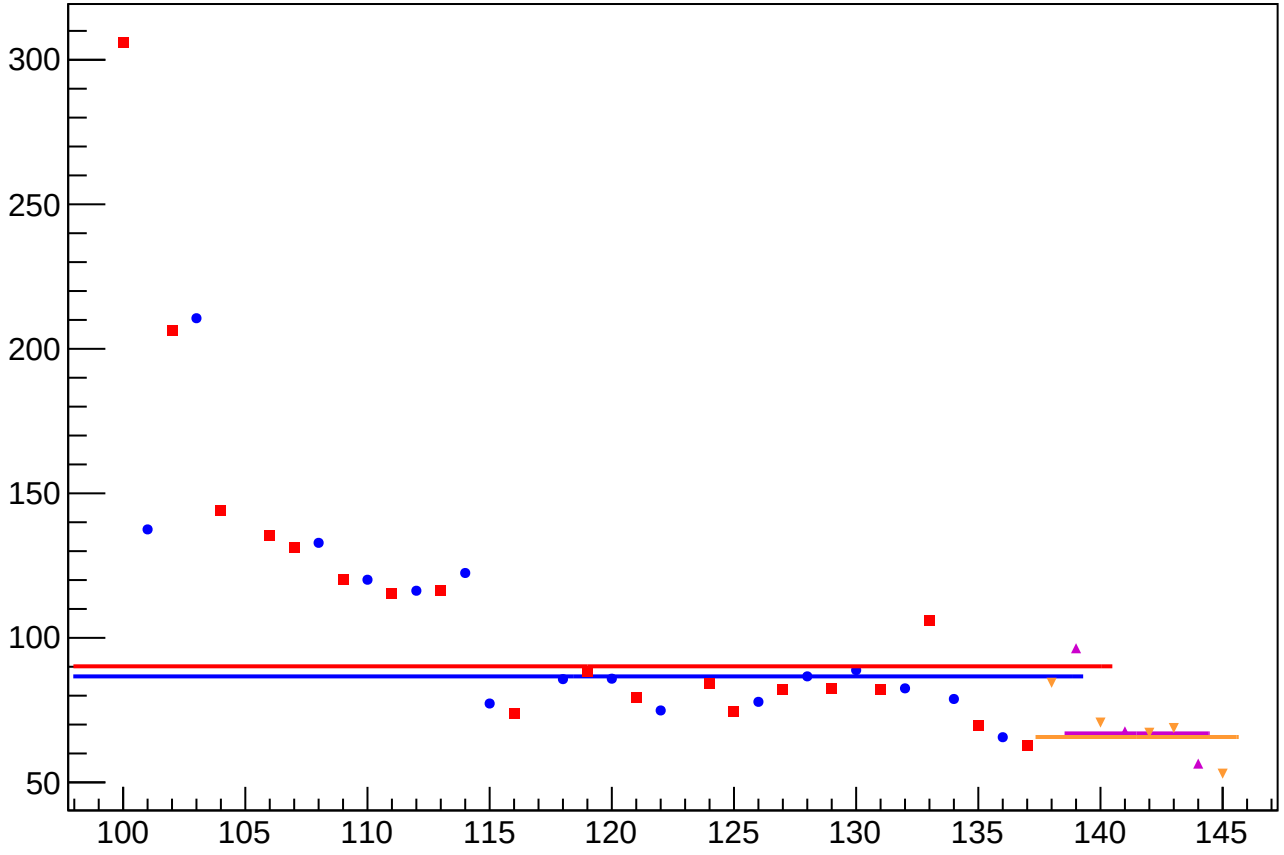
Left In: -69.634+/-42.720 χ^2/NDF:1.0/2

+ sign 80.237+/-24.429 χ^2/NDF: 19.7/20

All: 17.731+/-18.116 χ^2/NDF: 55.0/42

- sign -58.647+/-27.005 χ^2/NDF: 20.7/21

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

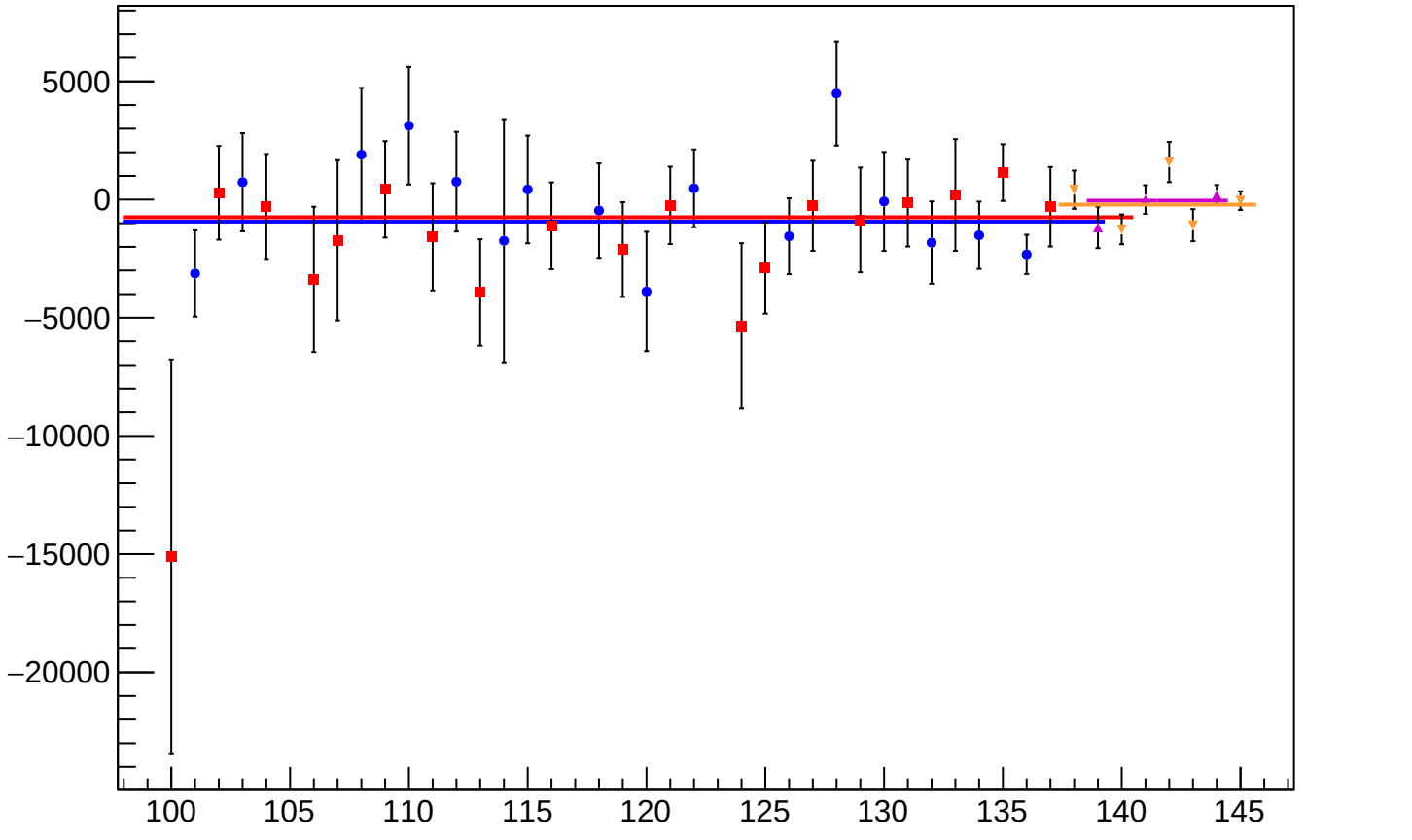
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 66.943+/-0.030 χ^2/NDF:216057.2/2

+ sign 76.599+/-0.017 χ^2/NDF: 1579184.3/20

All: 78.525+/-0.013 χ^2/NDF: 3327299.0/42

- sign 80.878+/-0.019 χ^2/NDF: 1720501.2/21



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

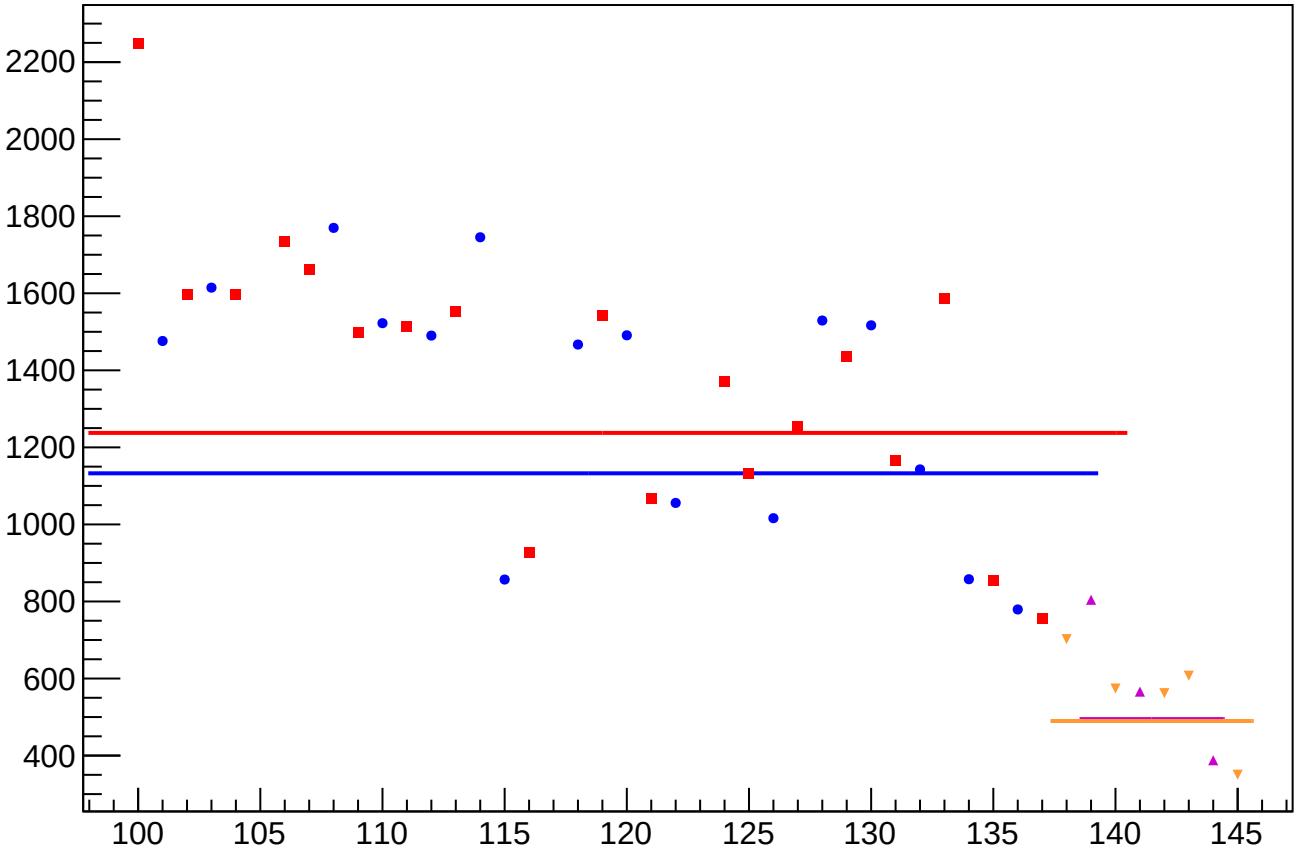
Left In: -46.030+/-322.264 χ^2/NDF:2.0/2

+ sign -406.029+/-228.336 χ^2/NDF: 30.2/20

All: -348.861+/-173.093 χ^2/NDF: 46.8/42

- sign -271.625+/-265.405 χ^2/NDF: 16.5/21

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

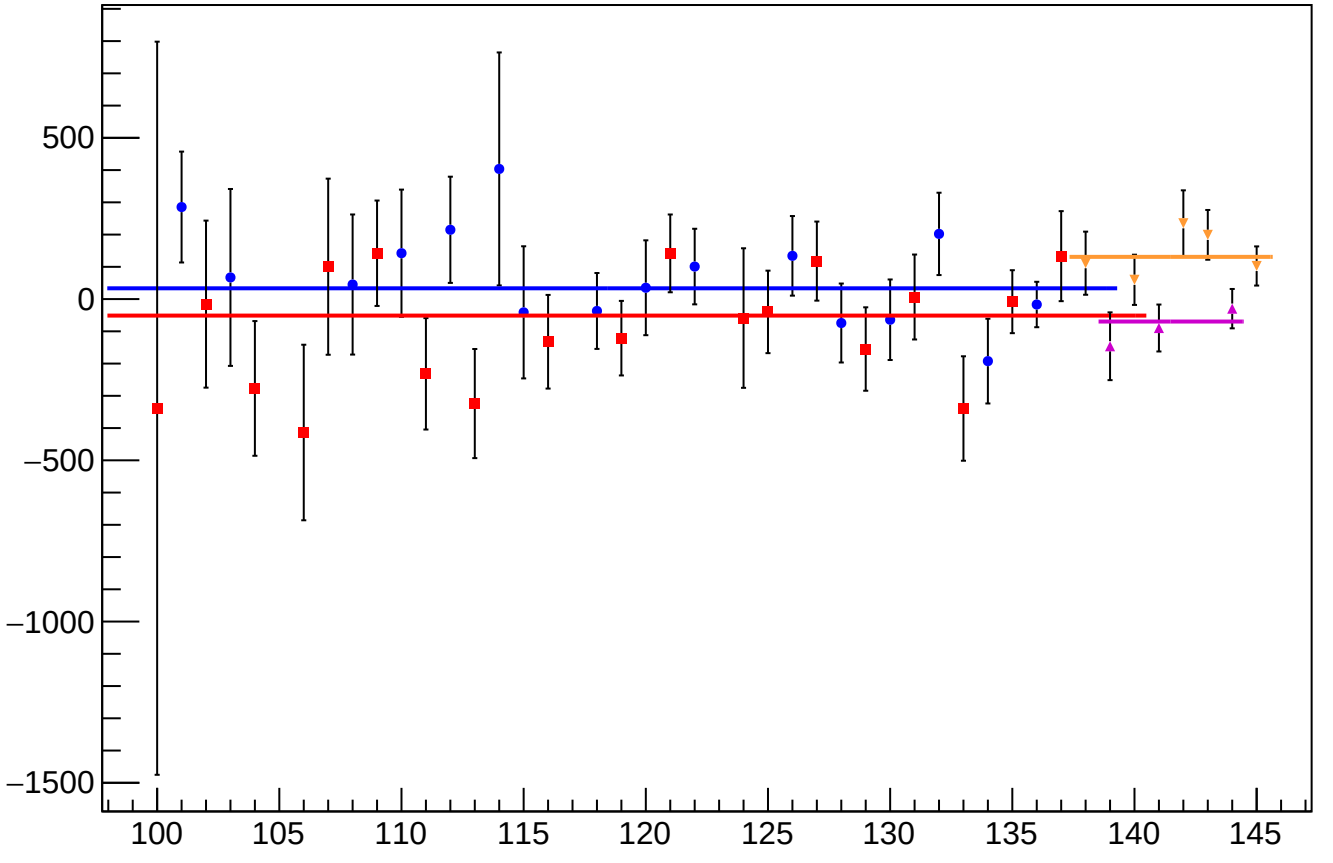
Left In: 494.758+/-0.228 χ^2/NDF:405690.0/2

+ sign 662.203+/-0.161 χ^2/NDF: 4734257.8/20

All: 692.639+/-0.122 χ^2/NDF: 9537790.3/42

- sign 733.758+/-0.188 χ^2/NDF: 4719991.0/21

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

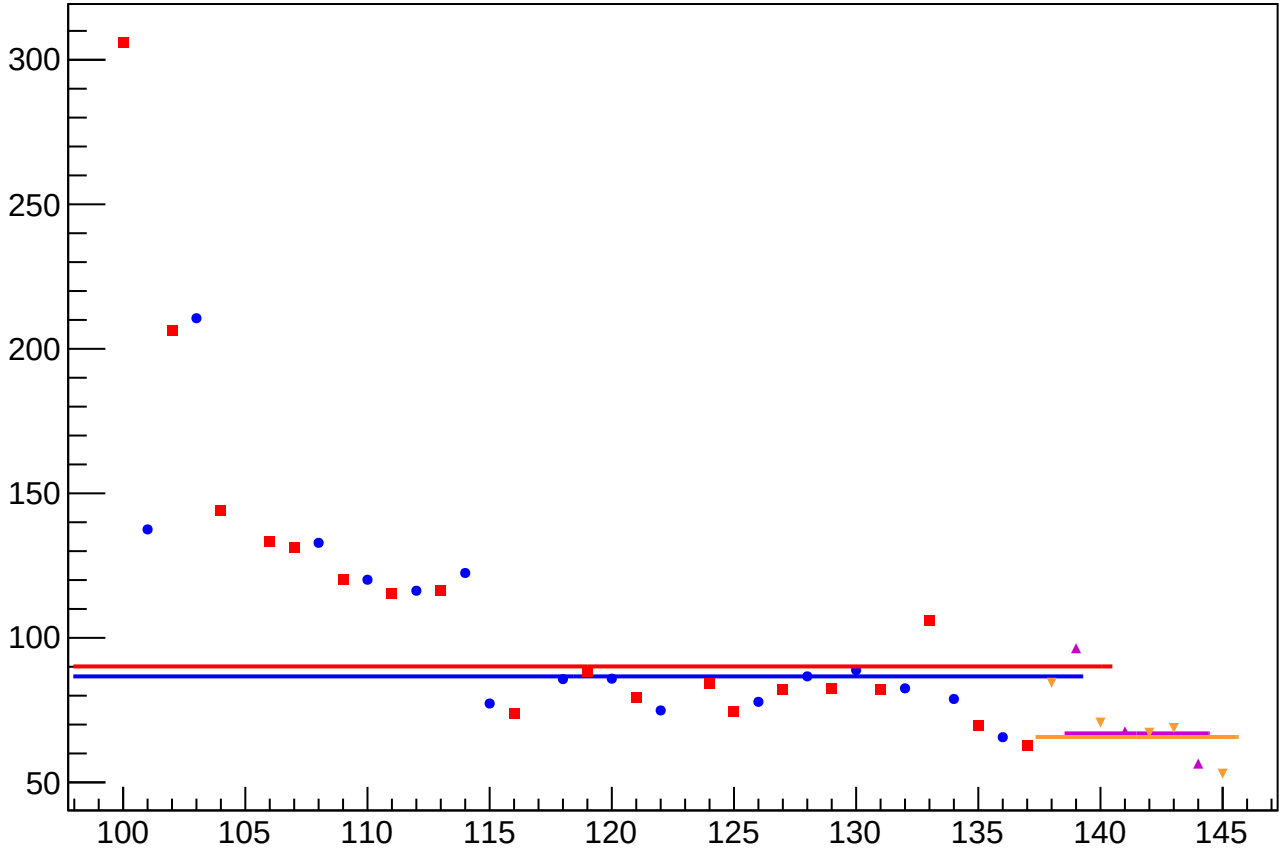
Left In: -69.636+/-42.720 χ^2/NDF:1.0/2

+ sign 80.233+/-24.429 χ^2/NDF: 19.7/20

All: 17.771+/-18.117 χ^2/NDF: 54.9/42

- sign -58.560+/-27.006 χ^2/NDF: 20.7/21

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

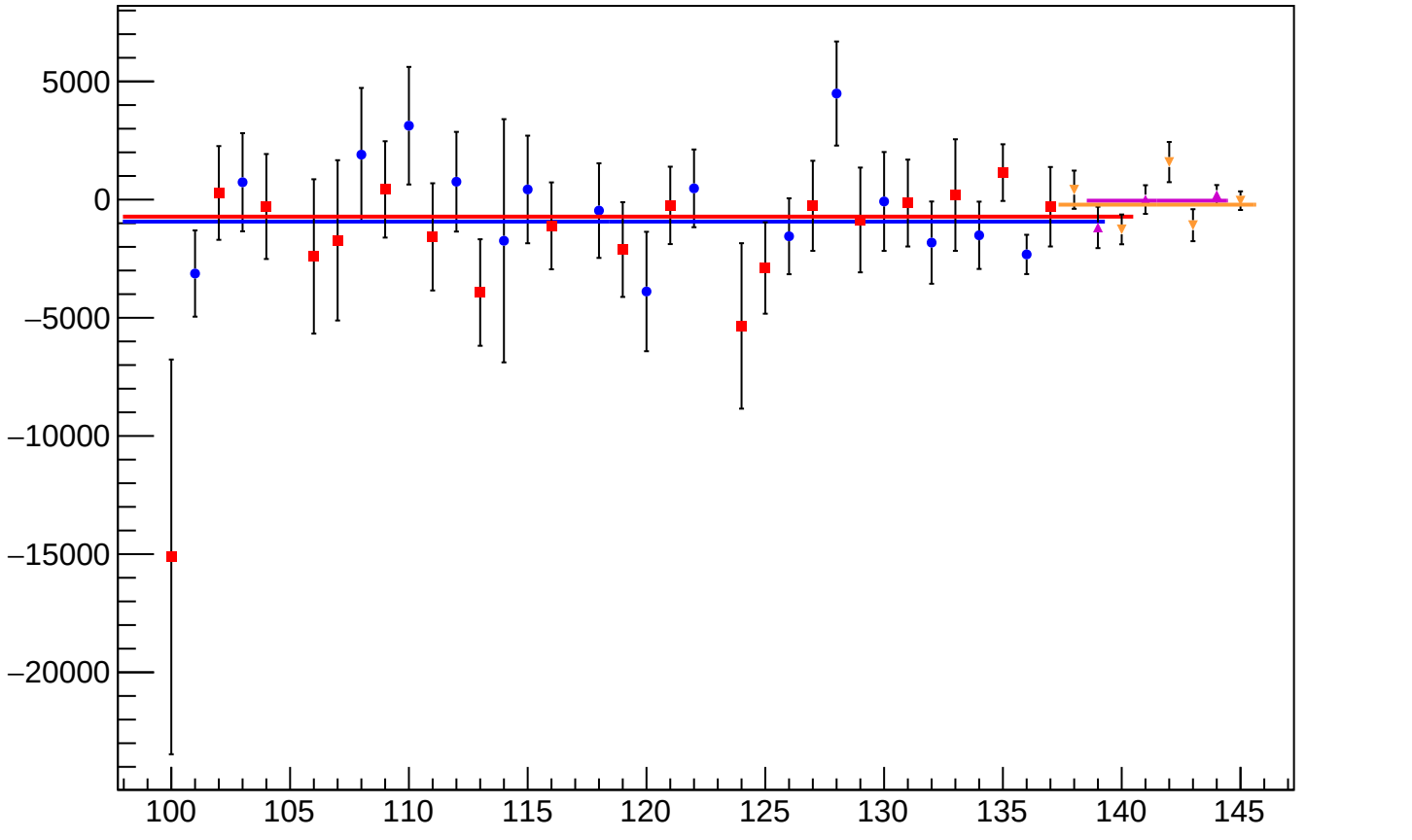
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 66.943+/-0.030 χ^2/NDF:216057.2/2

+ sign 76.599+/-0.017 χ^2/NDF: 1579187.0/20

All: 78.515+/-0.013 χ^2/NDF: 3321162.6/42

- sign 80.855+/-0.019 χ^2/NDF: 1714658.5/21



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

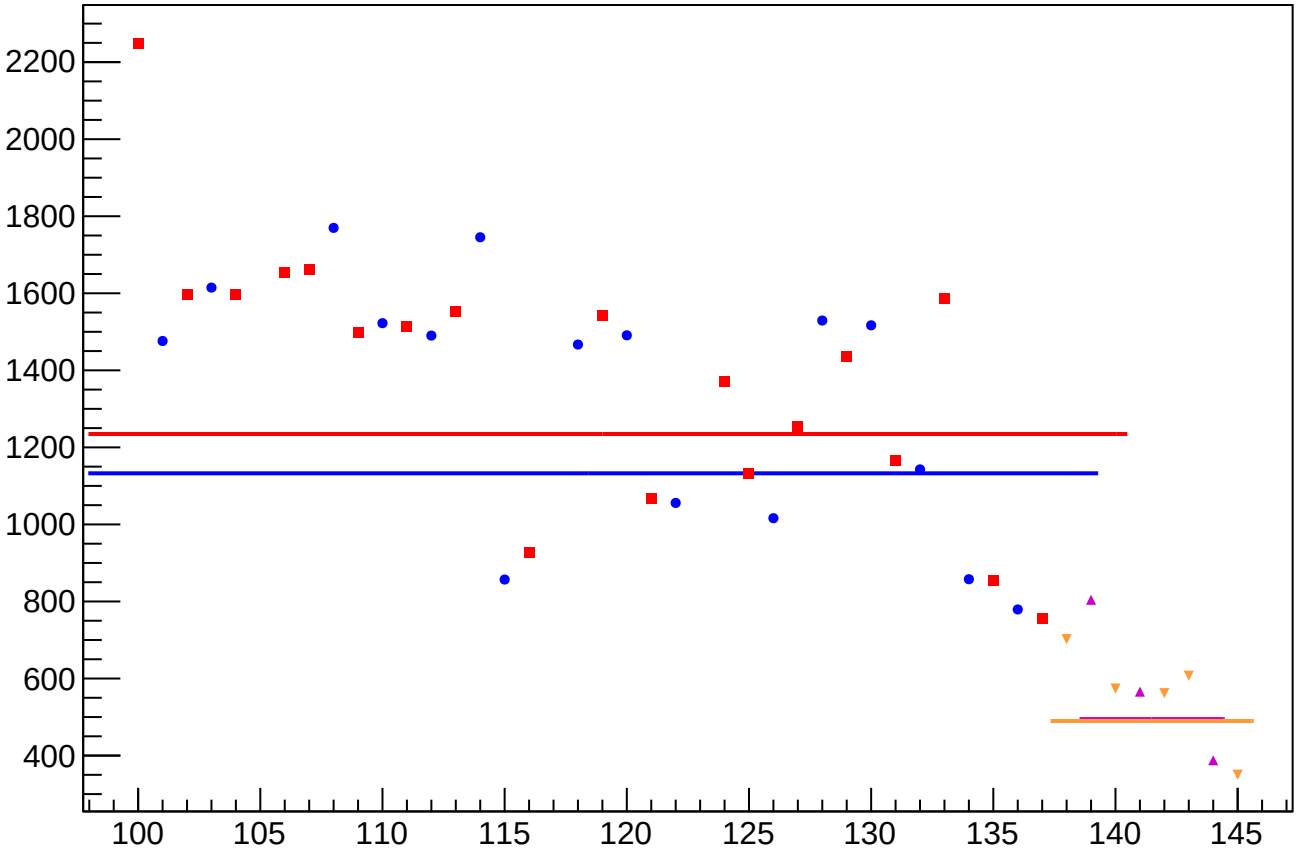
Left In: -46.032+/-322.264 χ^2/NDF:2.0/2

+ sign -406.014+/-228.336 χ^2/NDF: 30.2/20

All: -345.074+/-173.125 χ^2/NDF: 46.2/42

- sign -262.668+/-265.521 χ^2/NDF: 15.9/21

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

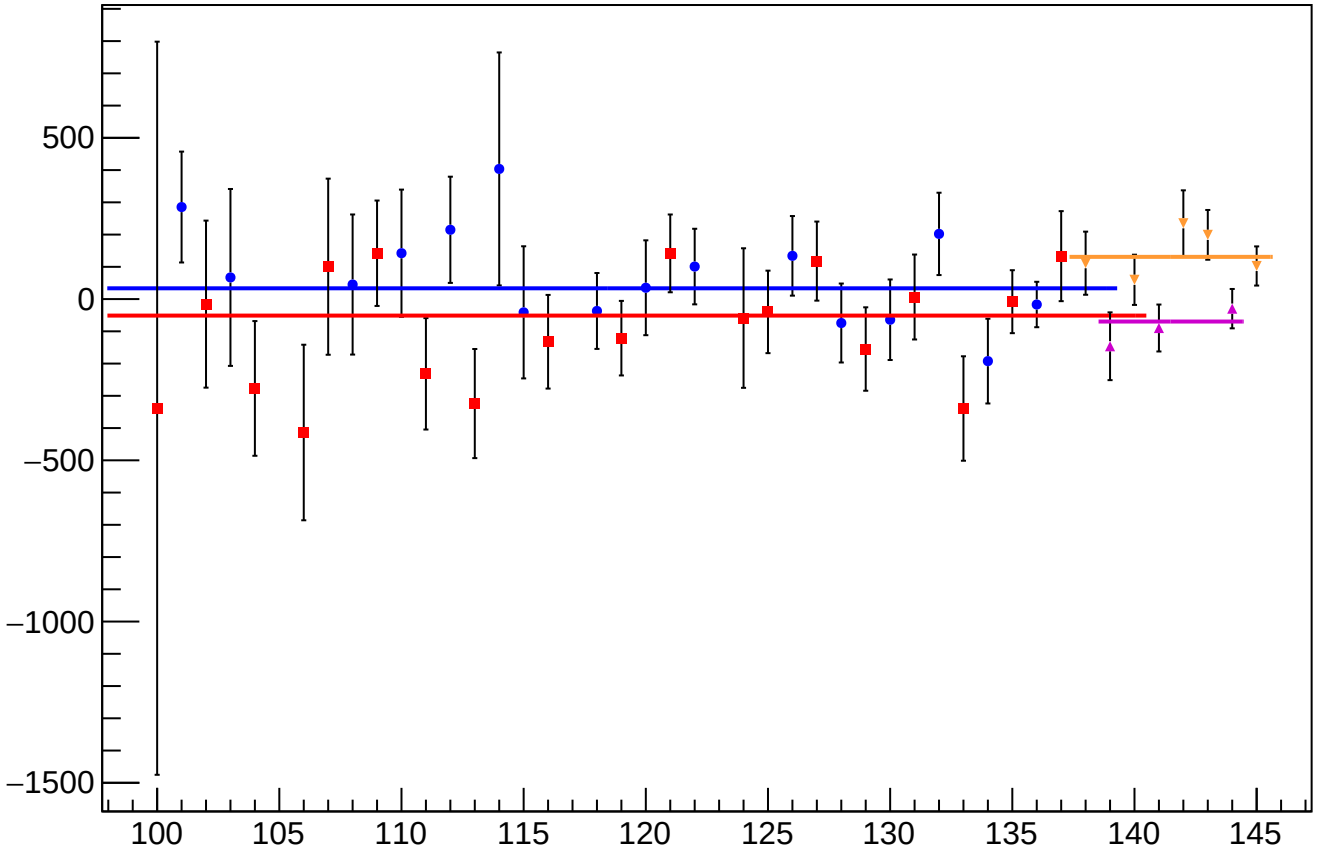
Left In: 494.758+/-0.228 χ^2/NDF:405690.2/2

+ sign 662.202+/-0.161 χ^2/NDF: 4734298.9/20

All: 692.042+/-0.122 χ^2/NDF: 9482843.0/42

- sign 732.392+/-0.188 χ^2/NDF: 4668201.6/21

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

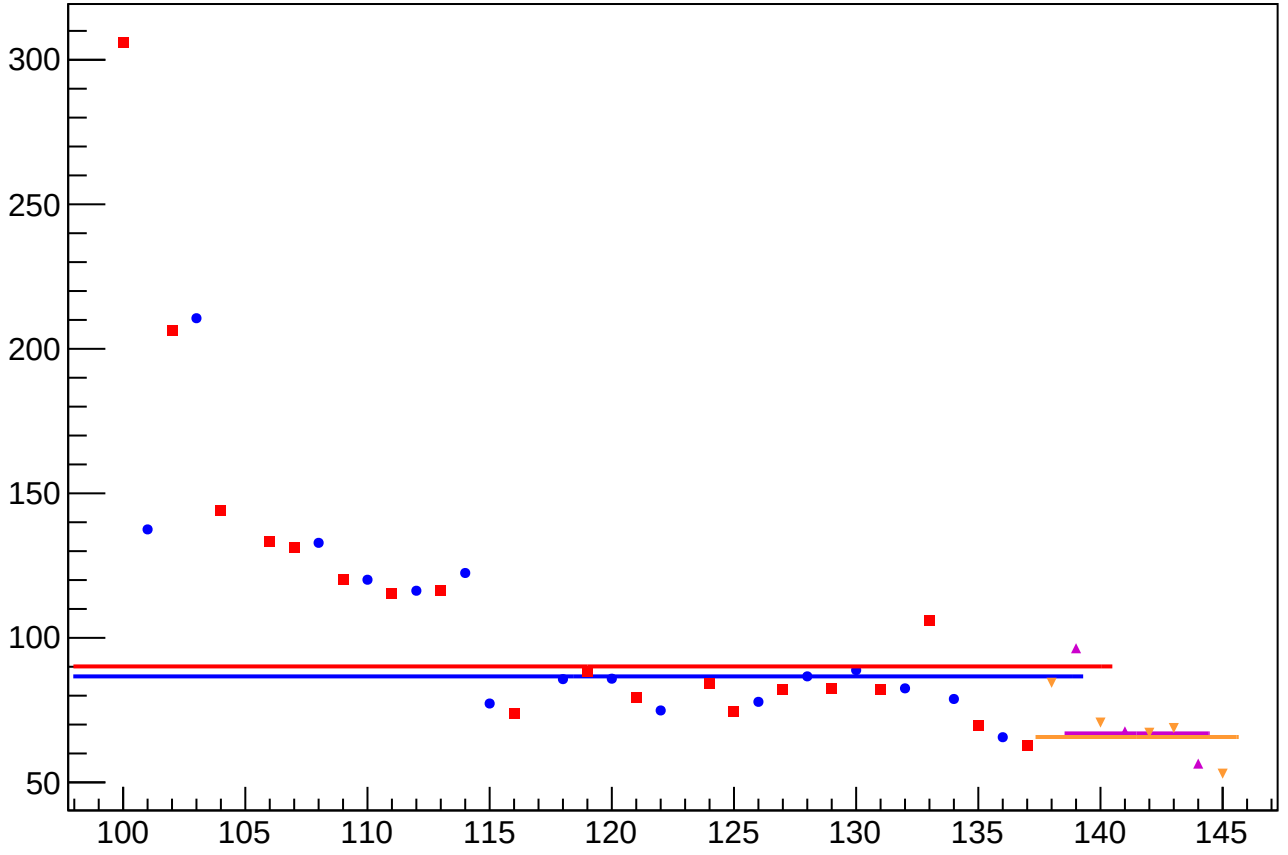
Left In: -69.636+/-42.720 χ^2/NDF:1.0/2

+ sign 80.233+/-24.429 χ^2/NDF: 19.7/20

All: 17.771+/-18.117 χ^2/NDF: 54.9/42

- sign -58.560+/-27.006 χ^2/NDF: 20.7/21

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

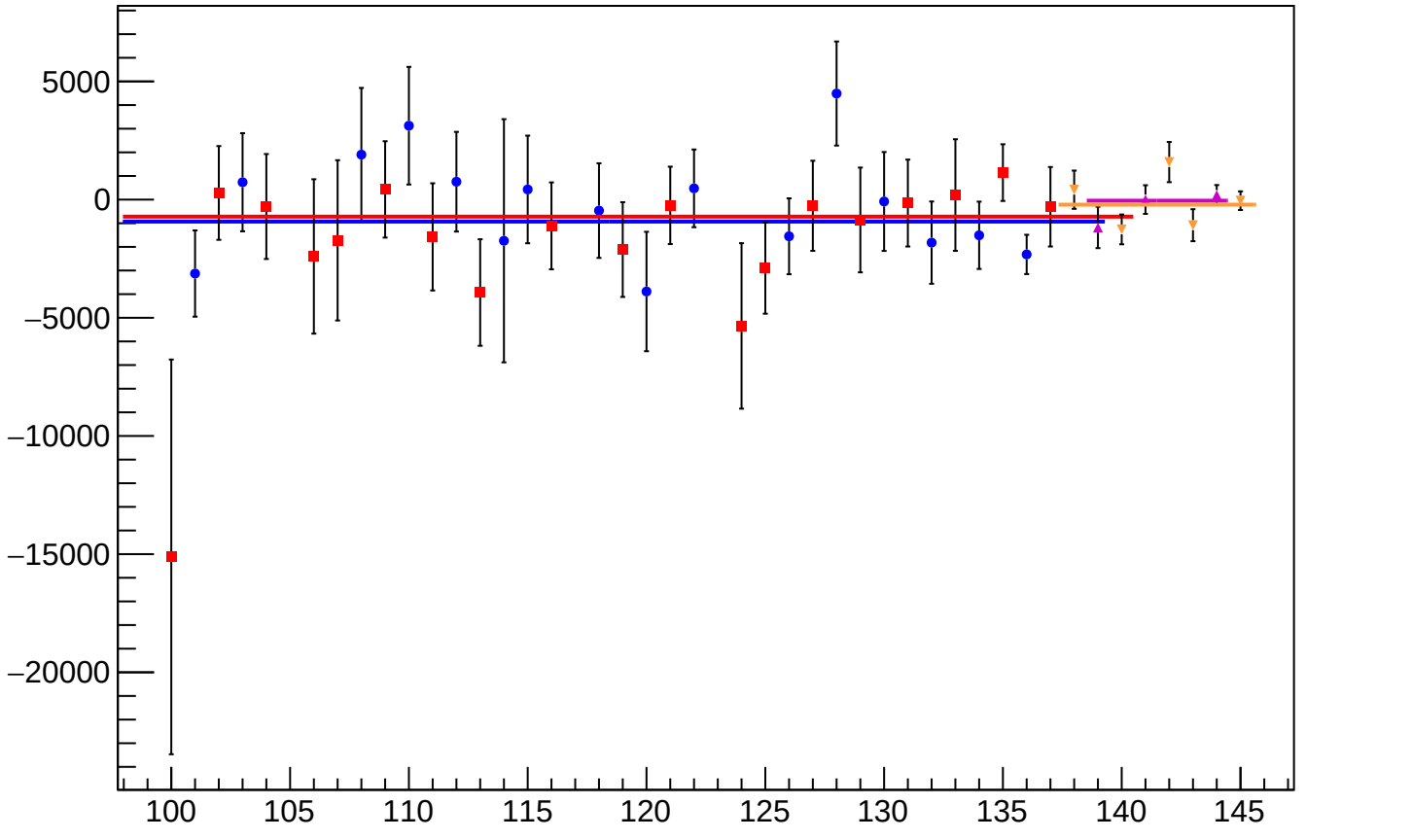
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 66.943+/-0.030 χ^2/NDF:216057.2/2

+ sign 76.599+/-0.017 χ^2/NDF: 1579187.0/20

All: 78.515+/-0.013 χ^2/NDF: 3321162.6/42

- sign 80.855+/-0.019 χ^2/NDF: 1714658.5/21



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -214.042+/-266.921 χ^2/NDF:9.7/4

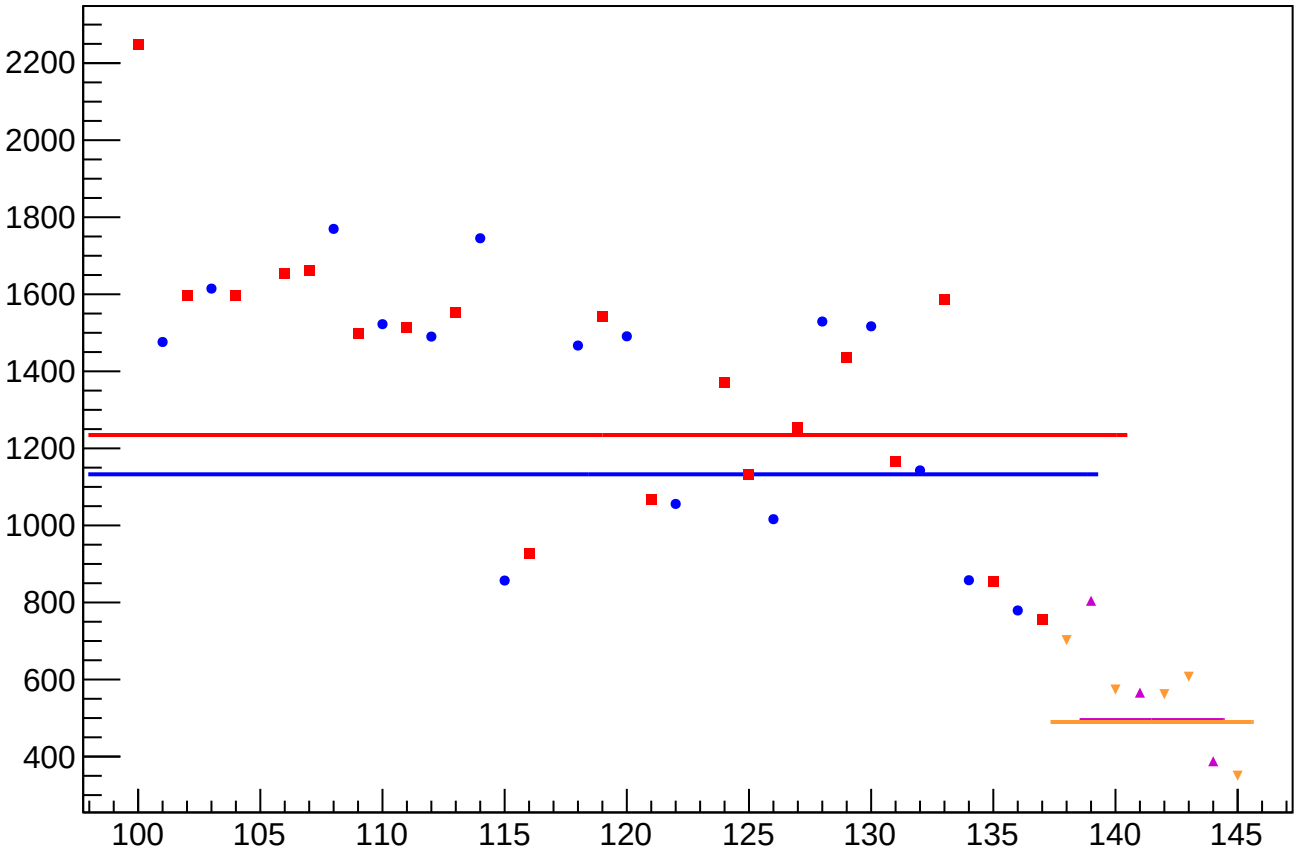
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -46.032+/-322.264 χ^2/NDF:2.0/2

+ sign -406.014+/-228.336 χ^2/NDF: 30.2/20

All: -345.074+/-173.125 χ^2/NDF: 46.2/42

- sign -262.668+/-265.521 χ^2/NDF: 15.9/21



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 489.760+/-0.189 χ^2/NDF:497879.0/4

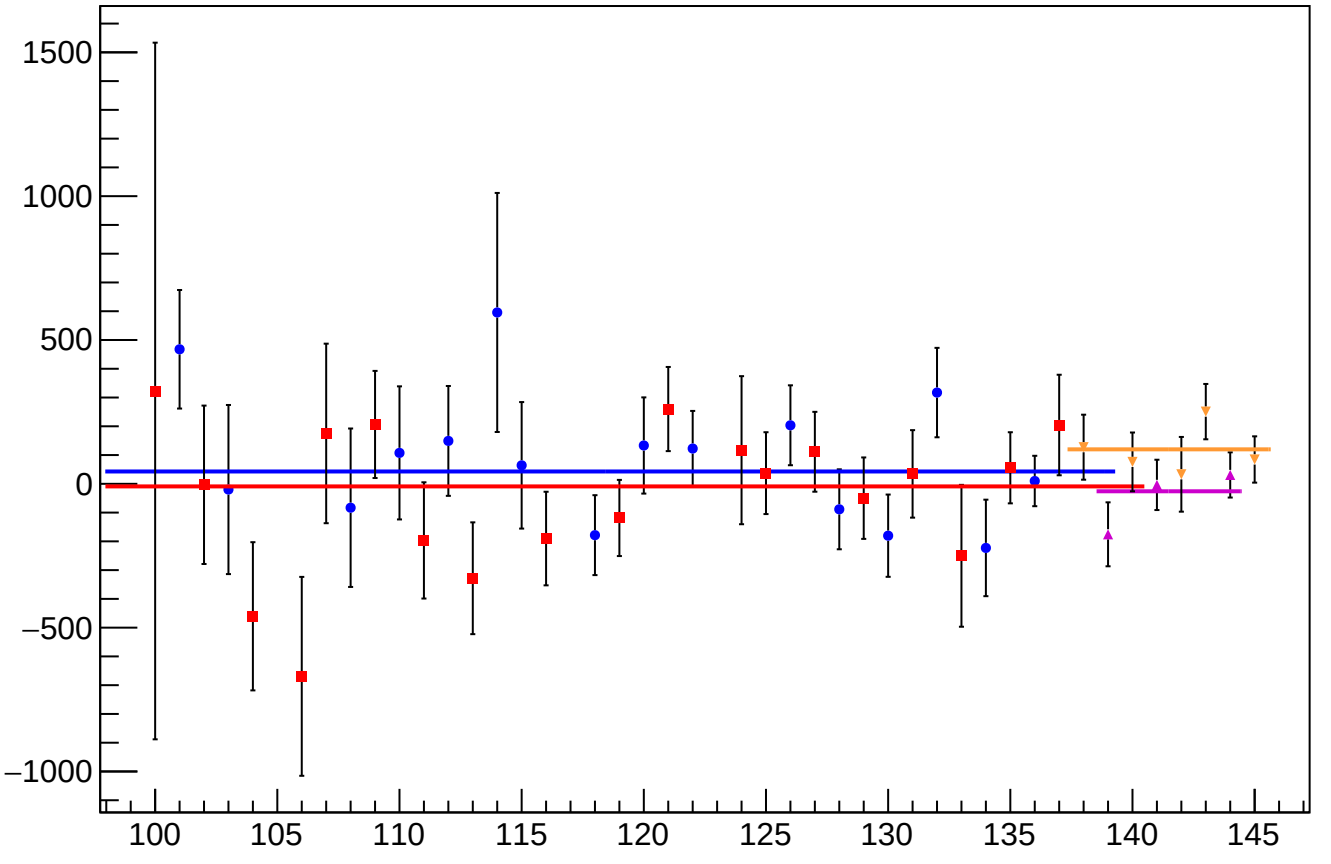
Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 494.758+/-0.228 χ^2/NDF:405690.2/2

+ sign 662.202+/-0.161 χ^2/NDF: 4734298.9/20

All: 692.042+/-0.122 χ^2/NDF: 9482843.0/42

- sign 732.392+/-0.188 χ^2/NDF: 4668201.6/21



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

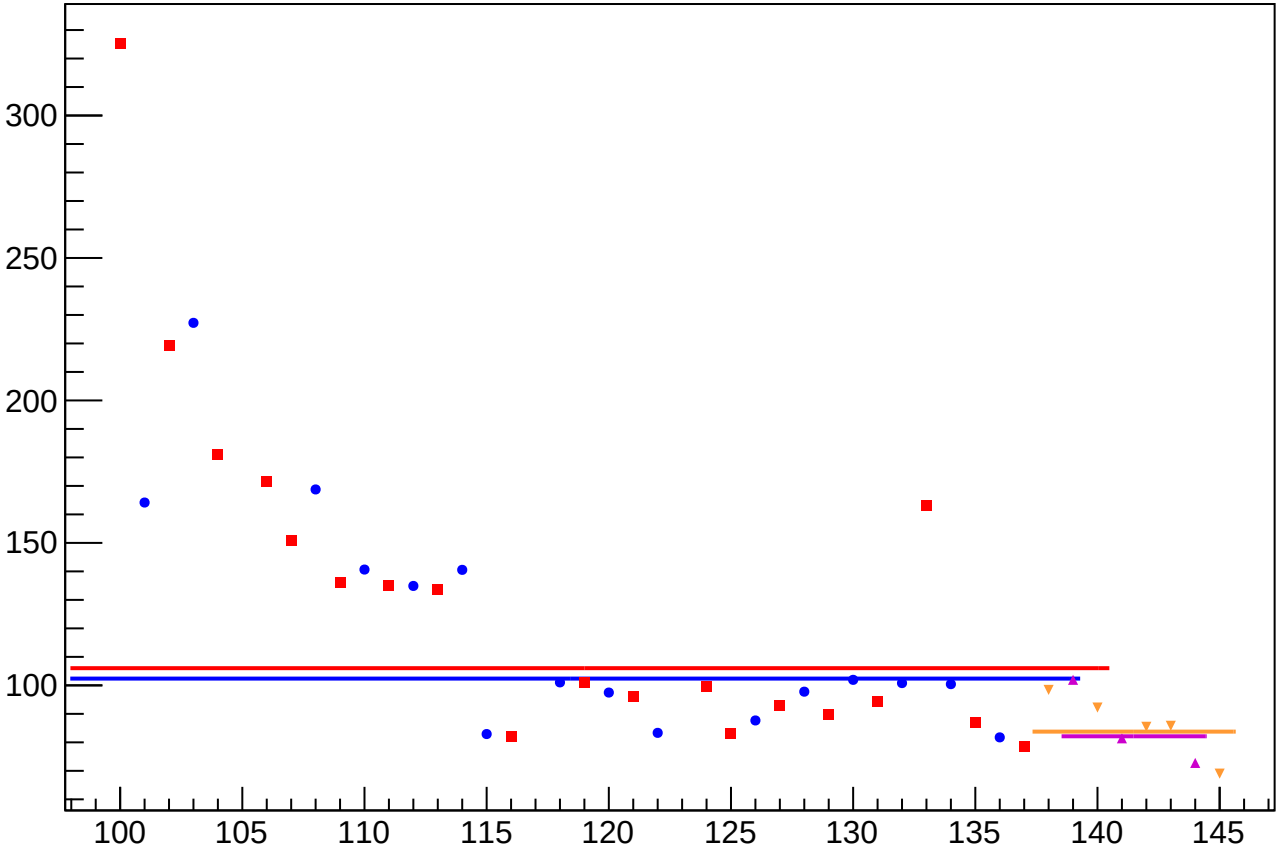
Left In: -25.945+/-51.742 χ^2/NDF:2.4/2

+ sign 76.899+/-29.848 χ^2/NDF: 24.6/20

All: 34.126+/-21.879 χ^2/NDF: 52.9/42

- sign -15.540+/-32.163 χ^2/NDF: 23.8/21

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

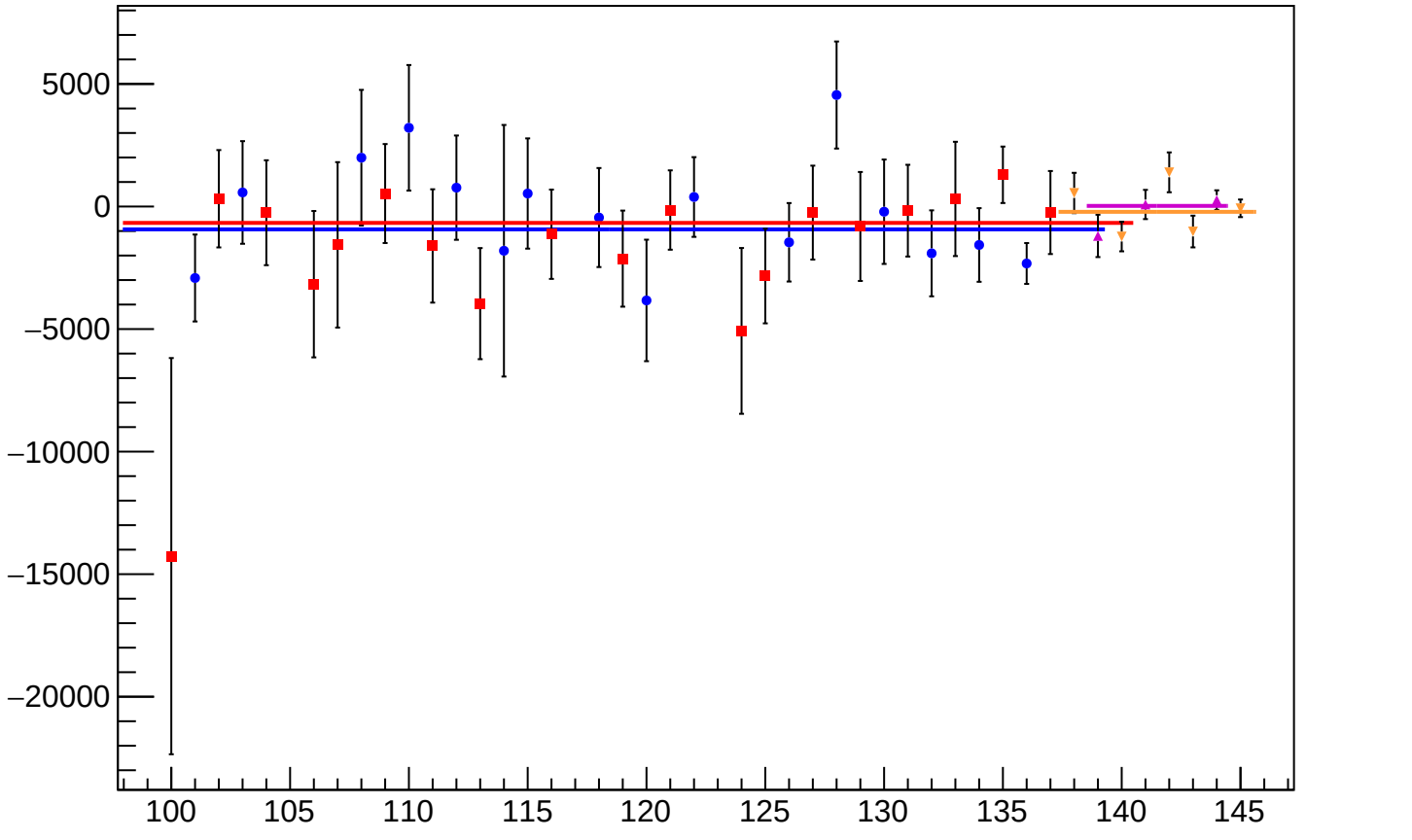
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.127+/-0.037 χ^2/NDF:92024.7/2

+ sign 94.157+/-0.021 χ^2/NDF: 1289735.9/20

All: 95.378+/-0.015 χ^2/NDF: 2842239.4/42

- sign 96.796+/-0.023 χ^2/NDF: 1545269.8/21



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

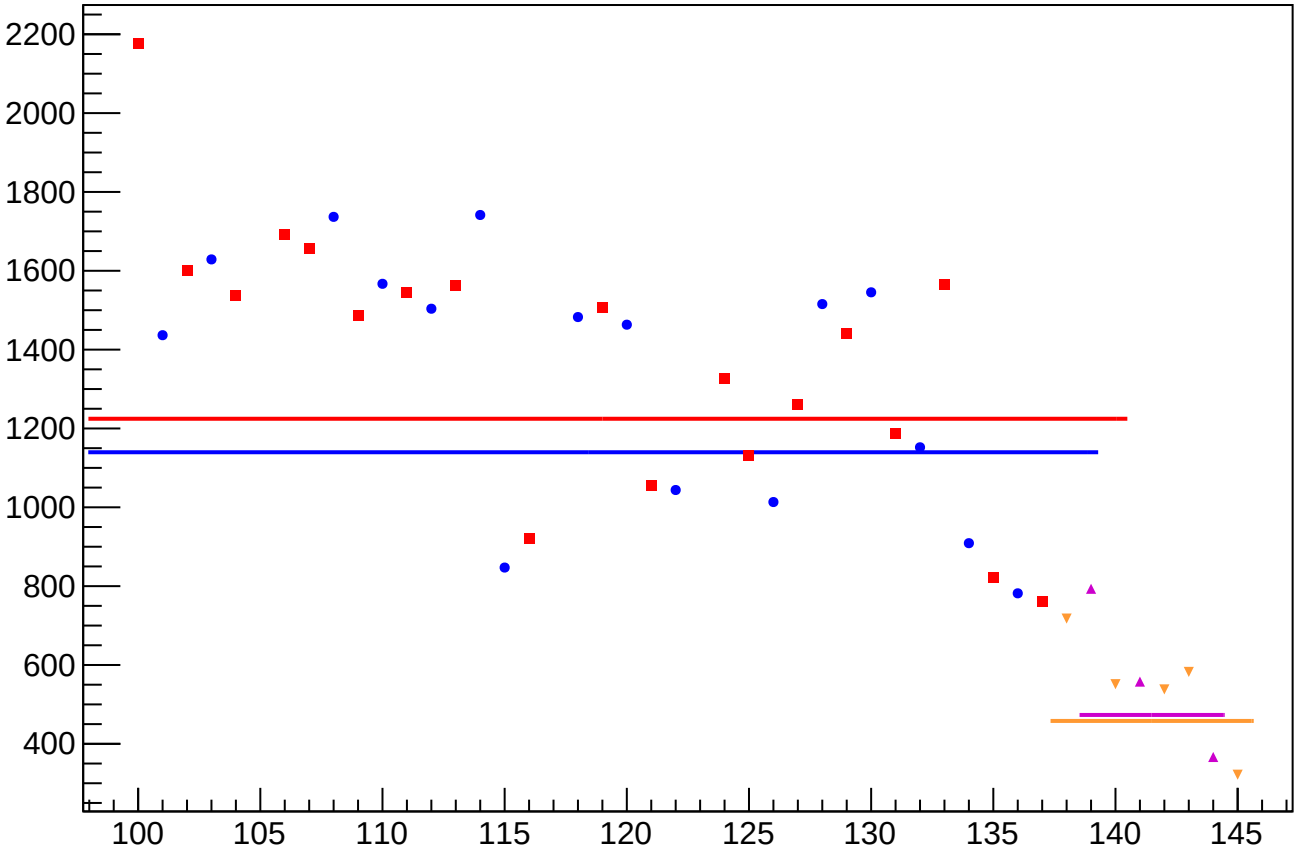
Left In: 25.650+/-309.880 χ^2/NDF:2.4/2

+ sign -390.721+/-218.320 χ^2/NDF: 29.8/20

All: -306.368+/-166.540 χ^2/NDF: 47.5/42

- sign -188.967+/-257.561 χ^2/NDF: 17.4/21

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

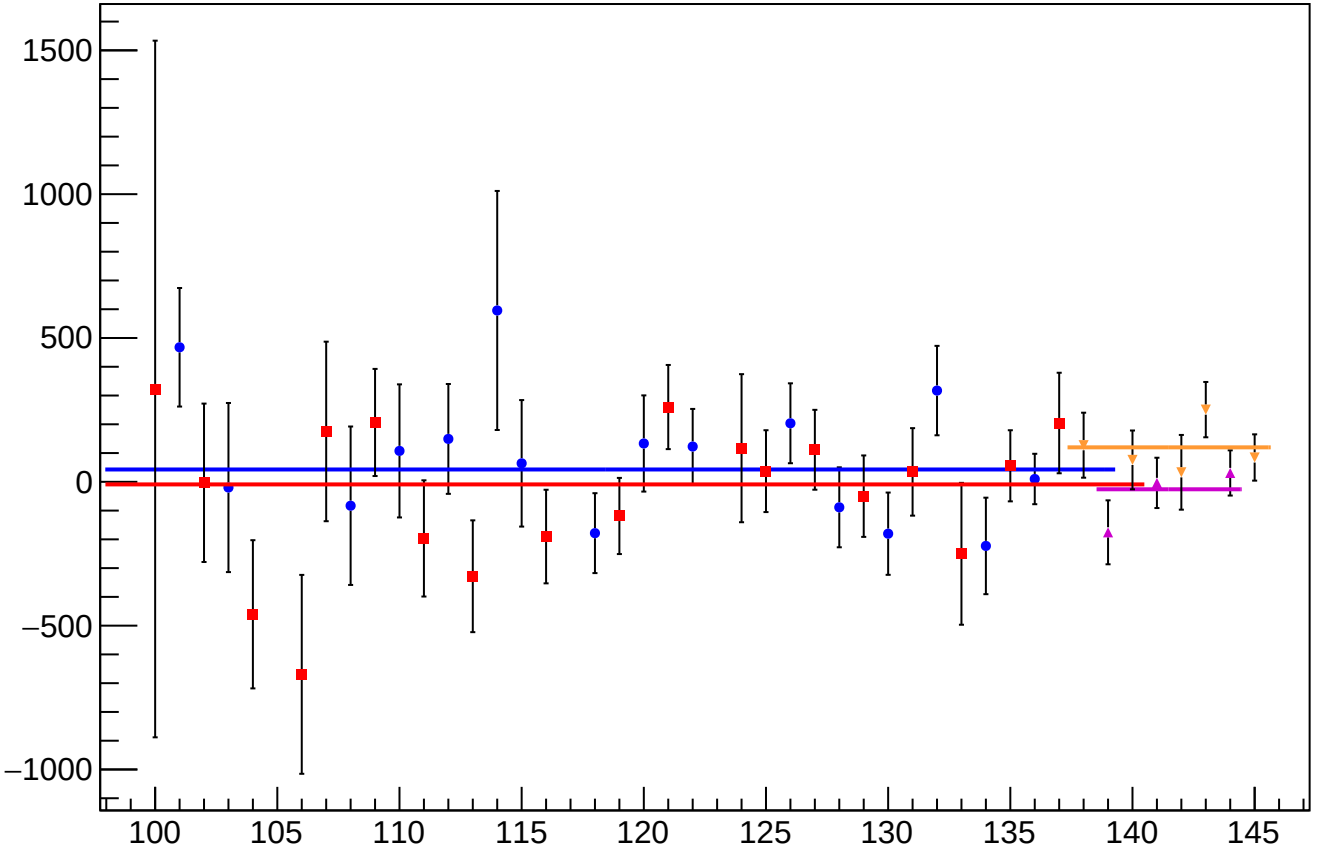
Left In: 473.261+/-0.219 χ^2/NDF:457026.7/2

+ sign 623.824+/-0.154 χ^2/NDF: 5309560.0/20

All: 657.999+/-0.118 χ^2/NDF: 10441610.8/42

- sign 705.564+/-0.182 χ^2/NDF: 5014831.6/21

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

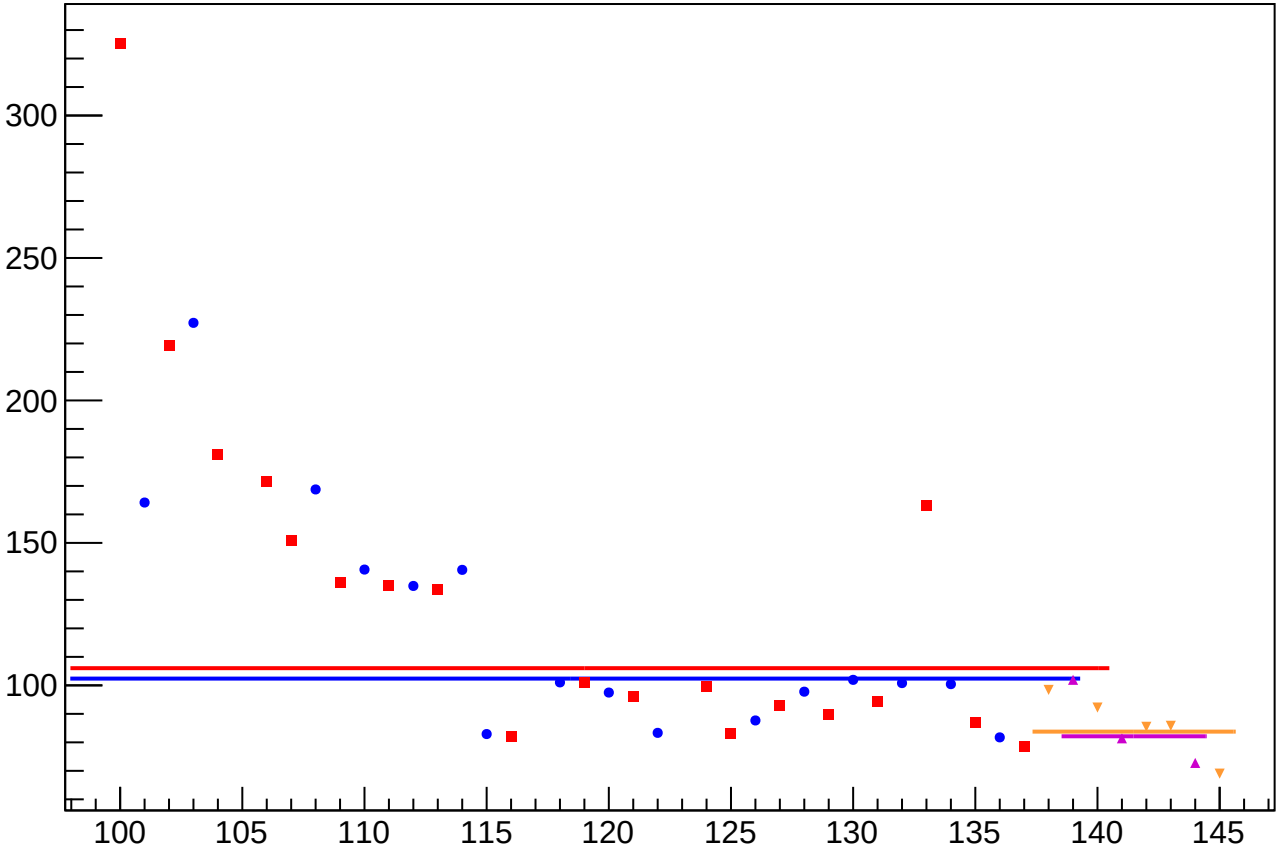
Left In: -25.945+/-51.742 χ^2/NDF:2.4/2

+ sign 76.898+/-29.848 χ^2/NDF: 24.6/20

All: 34.126+/-21.879 χ^2/NDF: 52.9/42

- sign -15.539+/-32.163 χ^2/NDF: 23.8/21

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

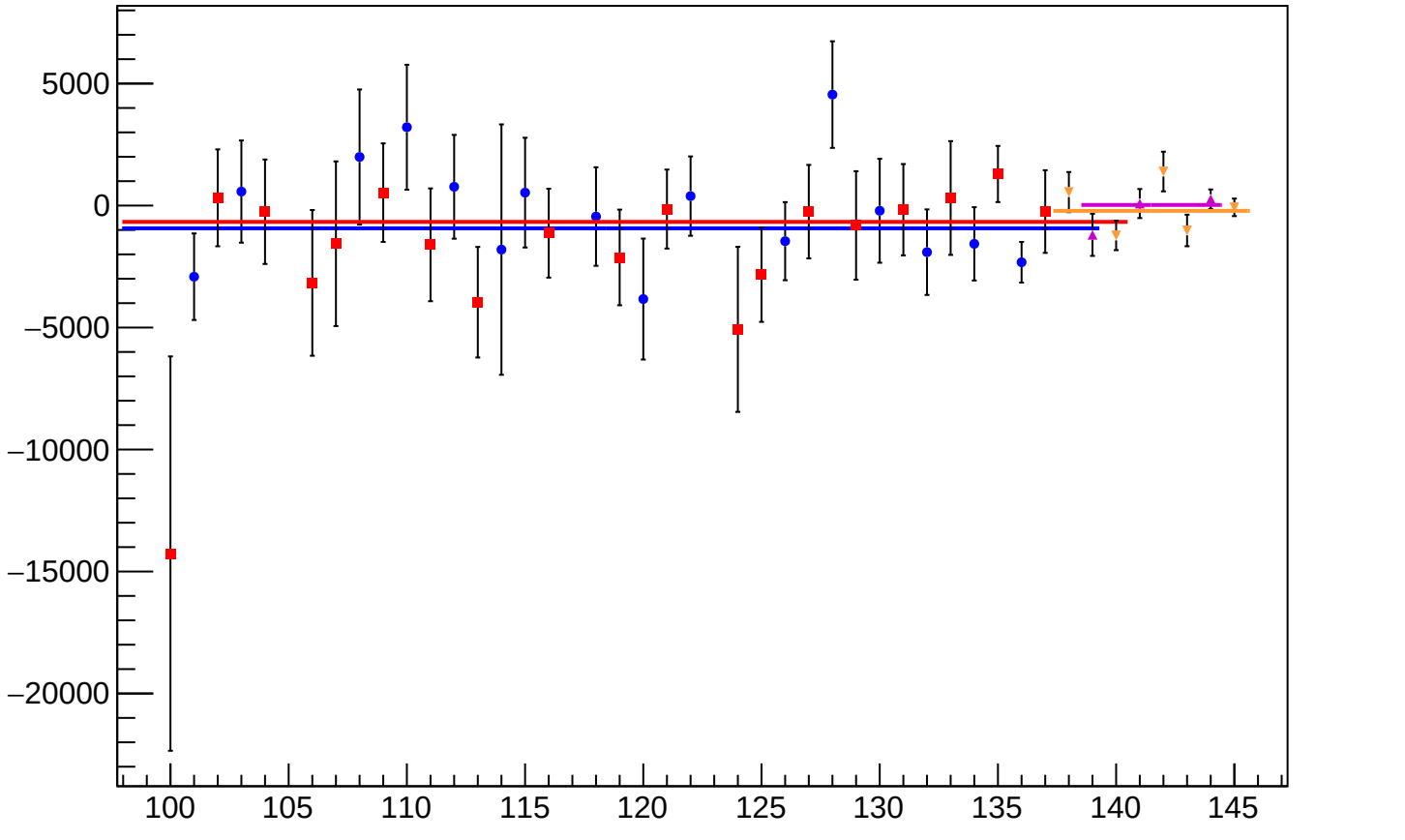
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.127+/-0.037 χ^2/NDF:92022.4/2

+ sign 94.157+/-0.021 χ^2/NDF: 1289706.2/20

All: 95.378+/-0.015 χ^2/NDF: 2842197.9/42

- sign 96.796+/-0.023 χ^2/NDF: 1545257.9/21



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -216.682+/-250.955 χ^2/NDF:9.3/4

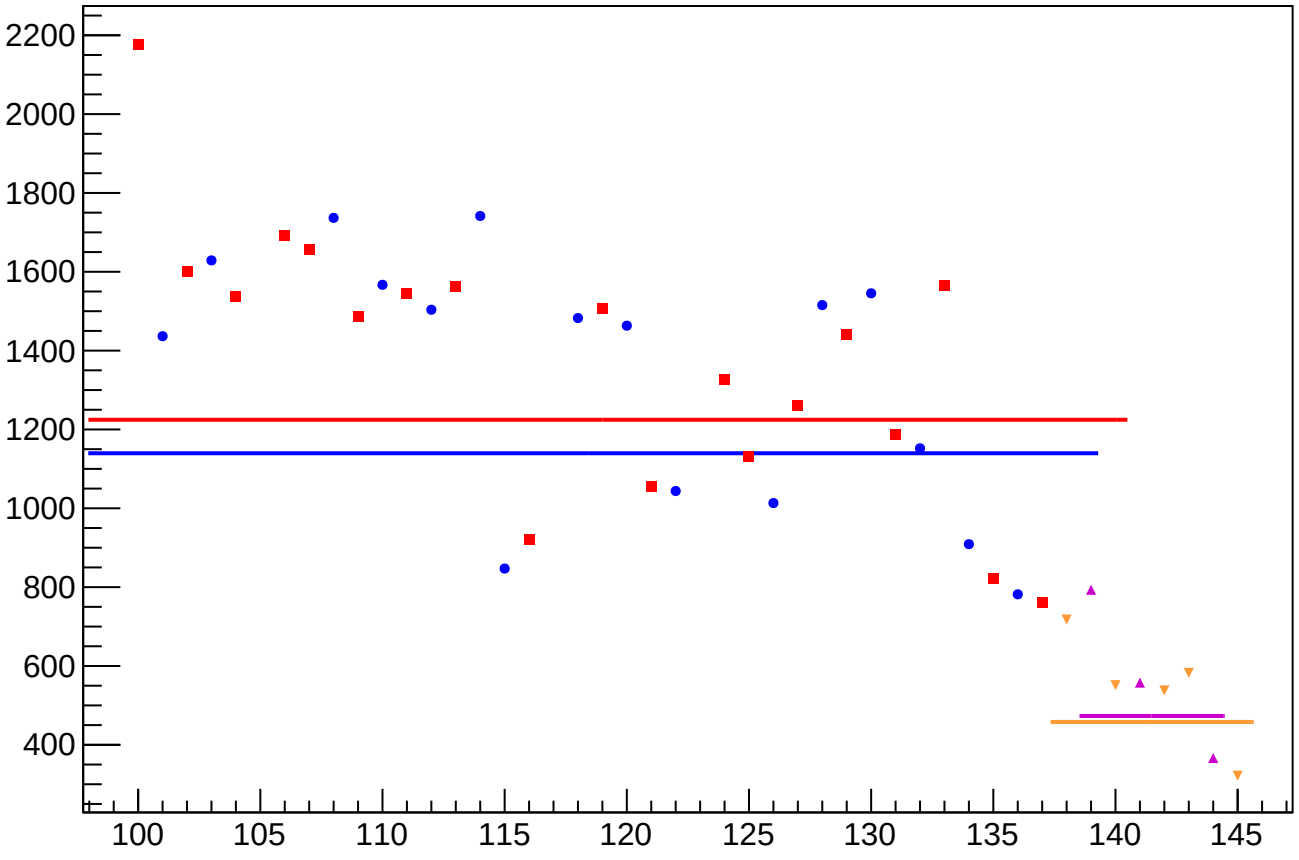
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 25.650+/-309.880 χ^2/NDF:2.4/2

+ sign -390.722+/-218.320 χ^2/NDF: 29.8/20

All: -306.368+/-166.540 χ^2/NDF: 47.5/42

- sign -188.967+/-257.560 χ^2/NDF: 17.4/21



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

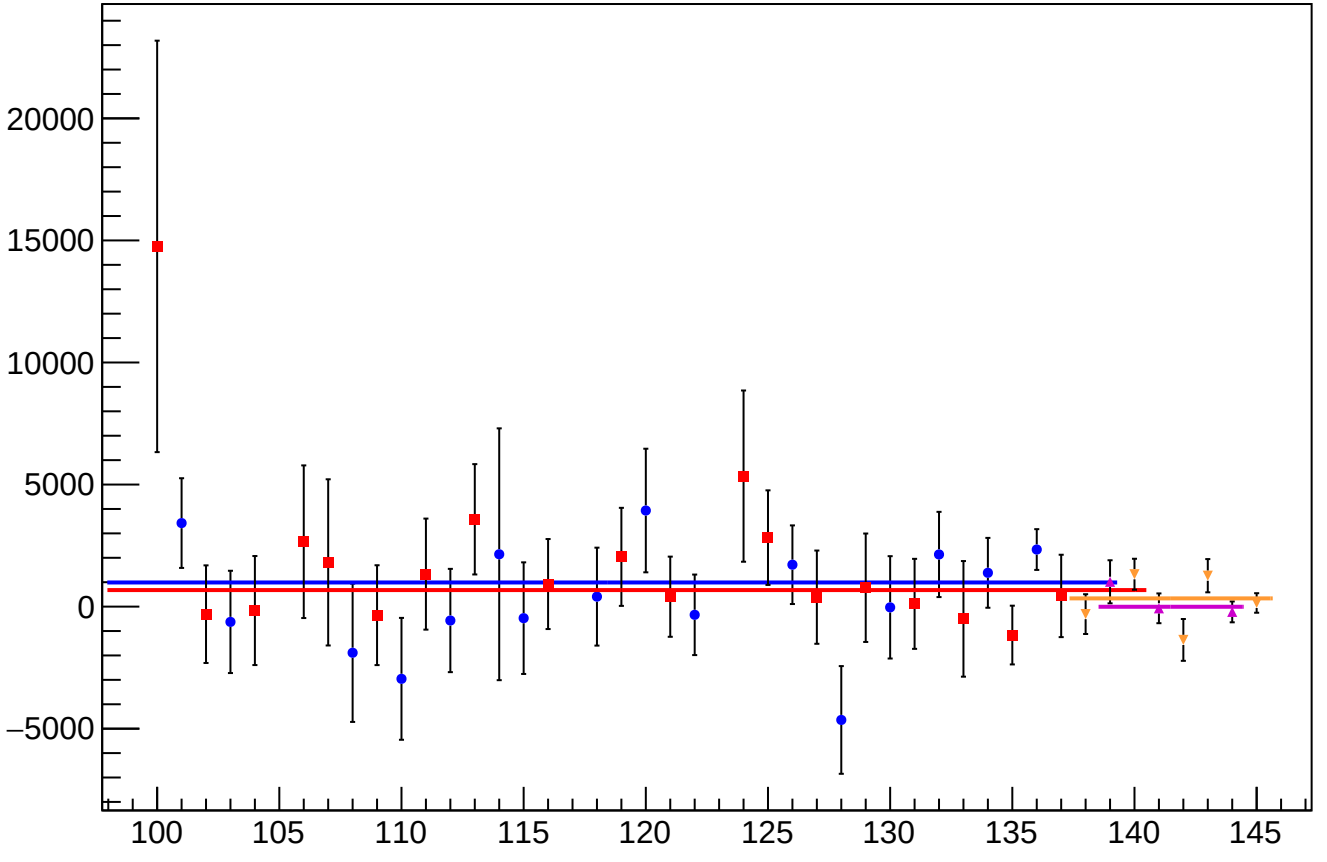
Left In: 473.260+/-0.219 χ^2/NDF:457028.2/2

+ sign 623.822+/-0.154 χ^2/NDF: 5309572.2/20

All: 657.998+/-0.118 χ^2/NDF: 10441621.6/42

- sign 705.563+/-0.182 χ^2/NDF: 5014828.0/21

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

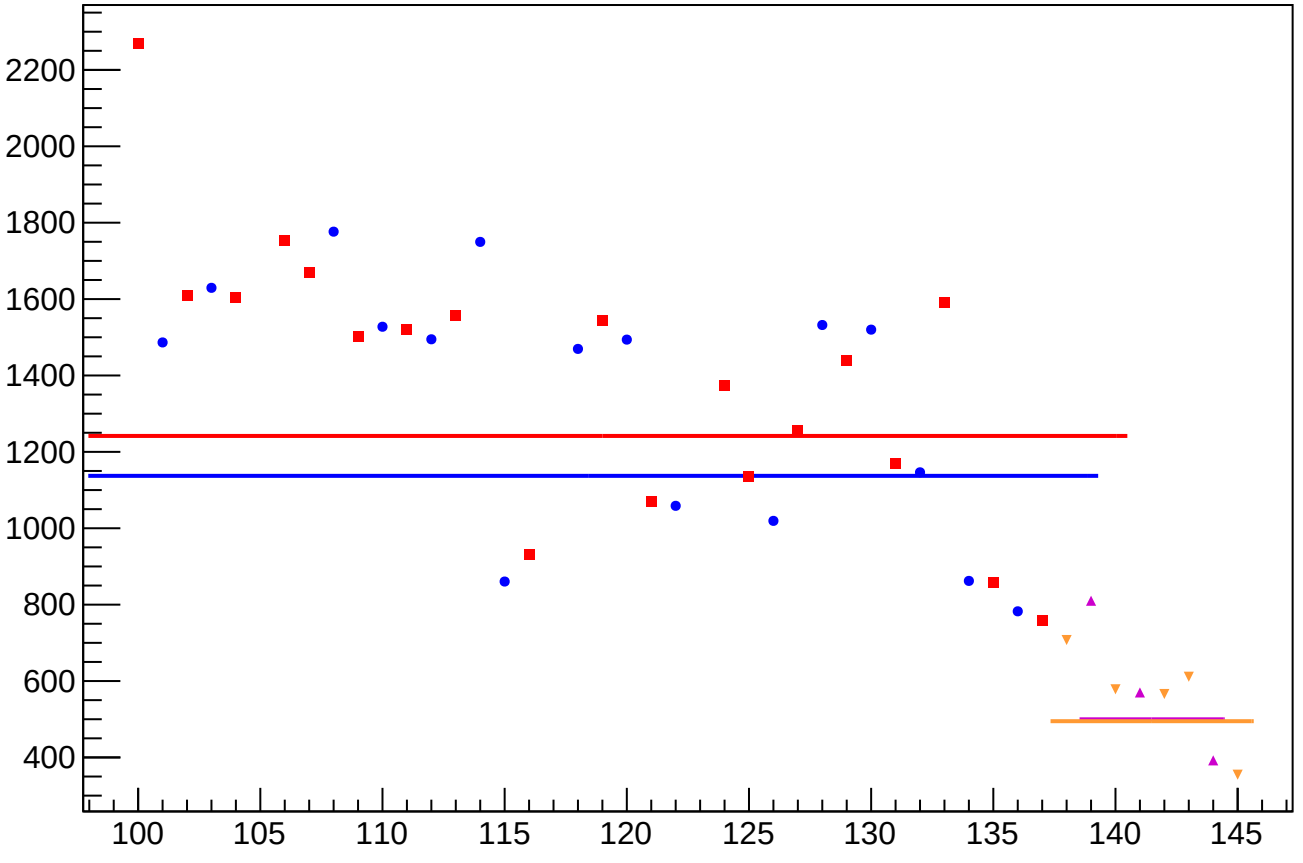
Left In: -6.250+/-325.343 χ^2/NDF:1.6/2

+ sign 513.566+/-230.219 χ^2/NDF: 29.7/20

All: 386.707+/-174.478 χ^2/NDF: 45.4/42

- sign 215.510+/-267.441 χ^2/NDF: 14.9/21

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

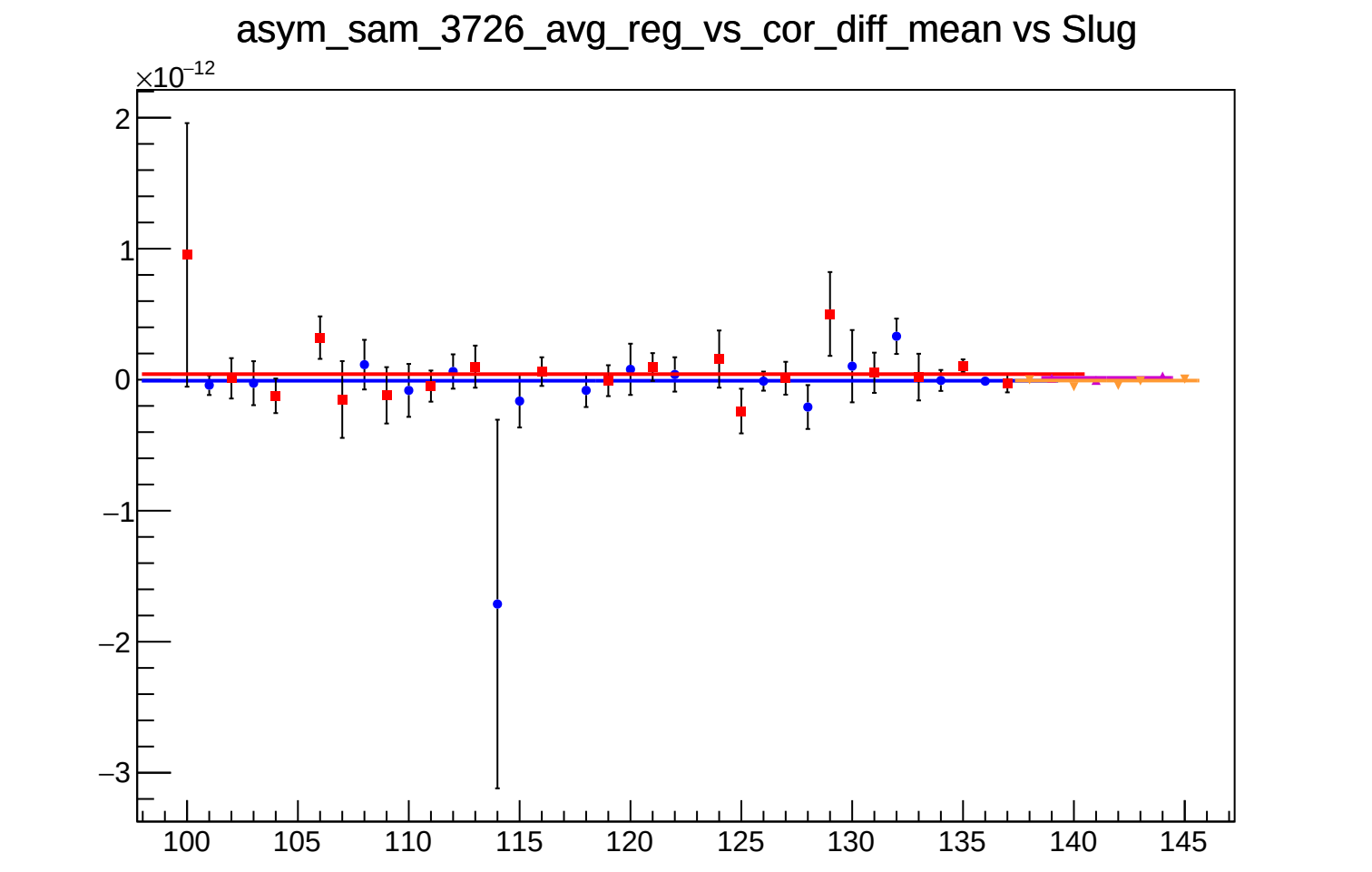
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 499.789+/-0.230 χ^2/NDF:400790.1/2

+ sign 668.642+/-0.163 χ^2/NDF: 4684429.0/20

All: 699.171+/-0.123 χ^2/NDF: 9439882.3/42

- sign 740.370+/-0.189 χ^2/NDF: 4672820.9/21



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/4

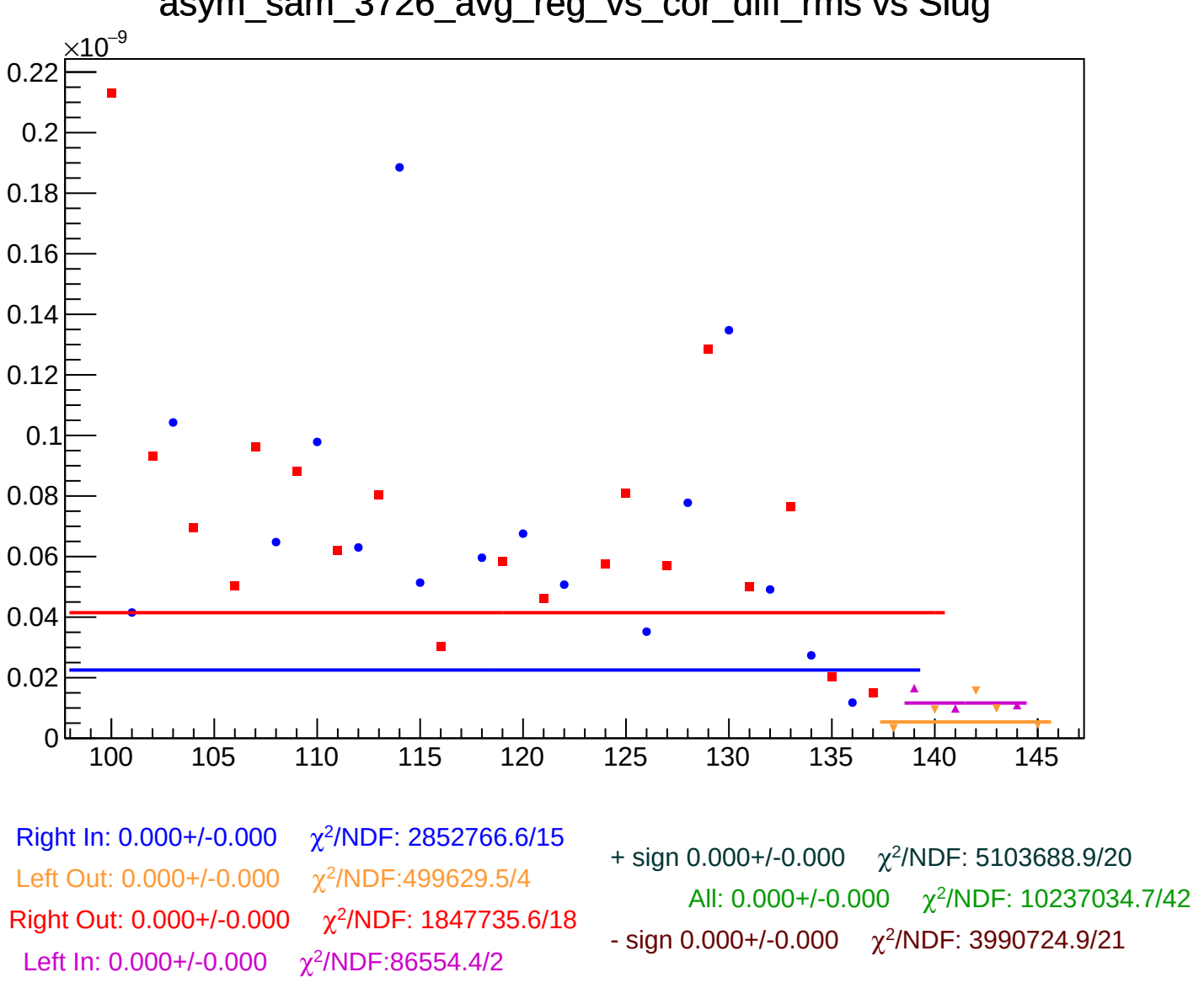
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/2

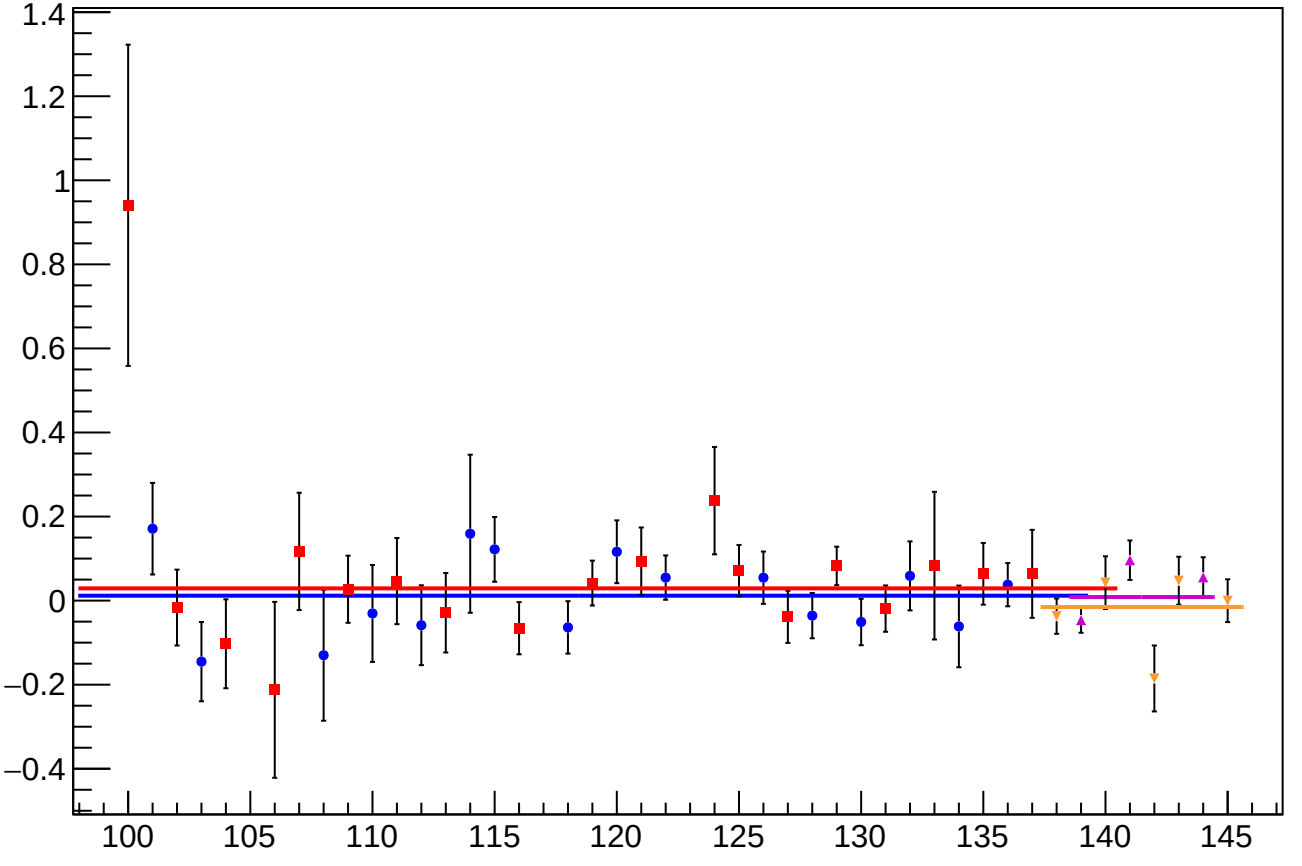
+ sign -0.000+/-0.000 χ^2/NDF: 21.7/20

All: -0.000+/-0.000 χ^2/NDF: 44.1/42

- sign 0.000+/-0.000 χ^2/NDF: 18.0/21


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:499629.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:86554.4/2
+ sign 0.000+/-0.000 χ²/NDF: 5103688.9/20
All: 0.000+/-0.000 χ²/NDF: 10237034.7/42
- sign 0.000+/-0.000 χ²/NDF: 3990724.9/21

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

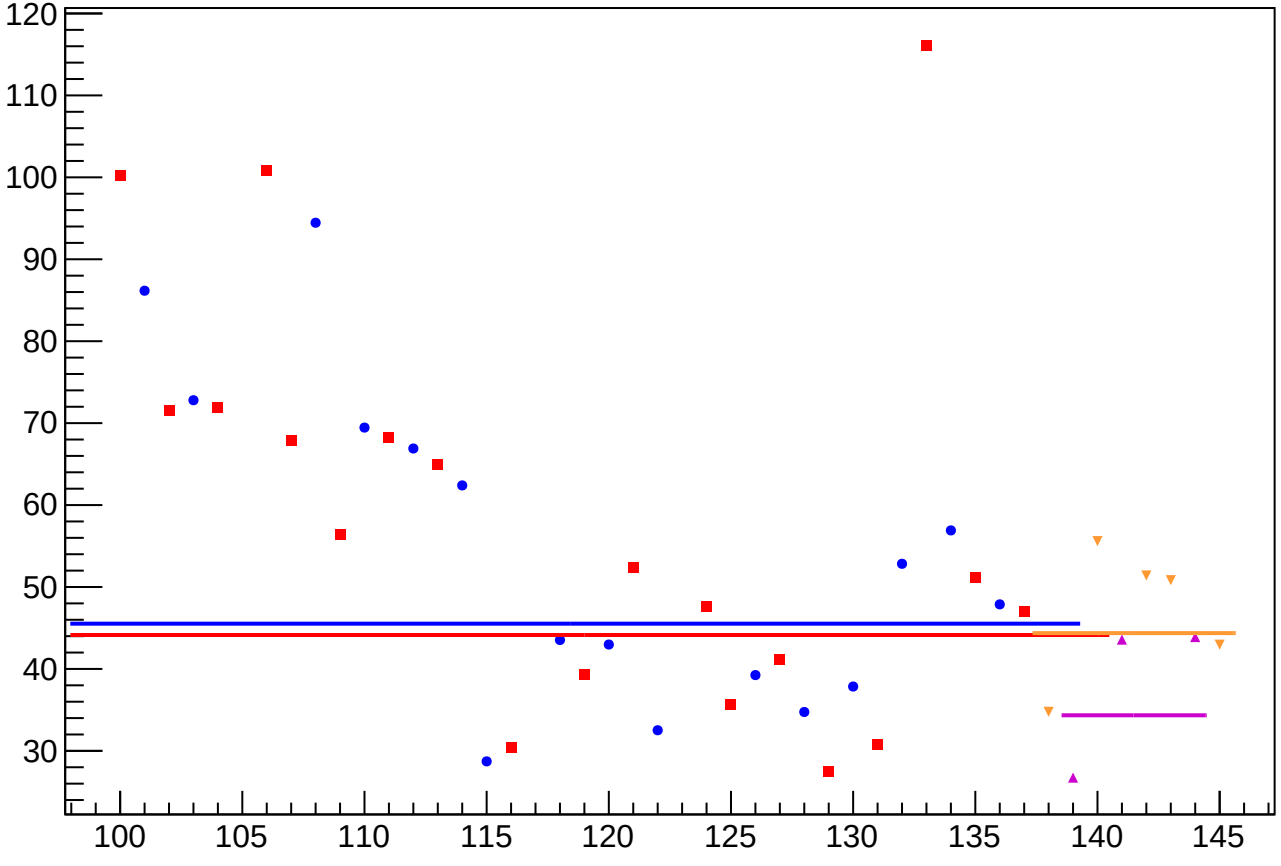
Left In: 0.008+/-0.022 χ^2/NDF:7.8/2

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/20

All: 0.012+/-0.010 χ^2/NDF: 53.5/42

- sign 0.021+/-0.014 χ^2/NDF: 27.8/21

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

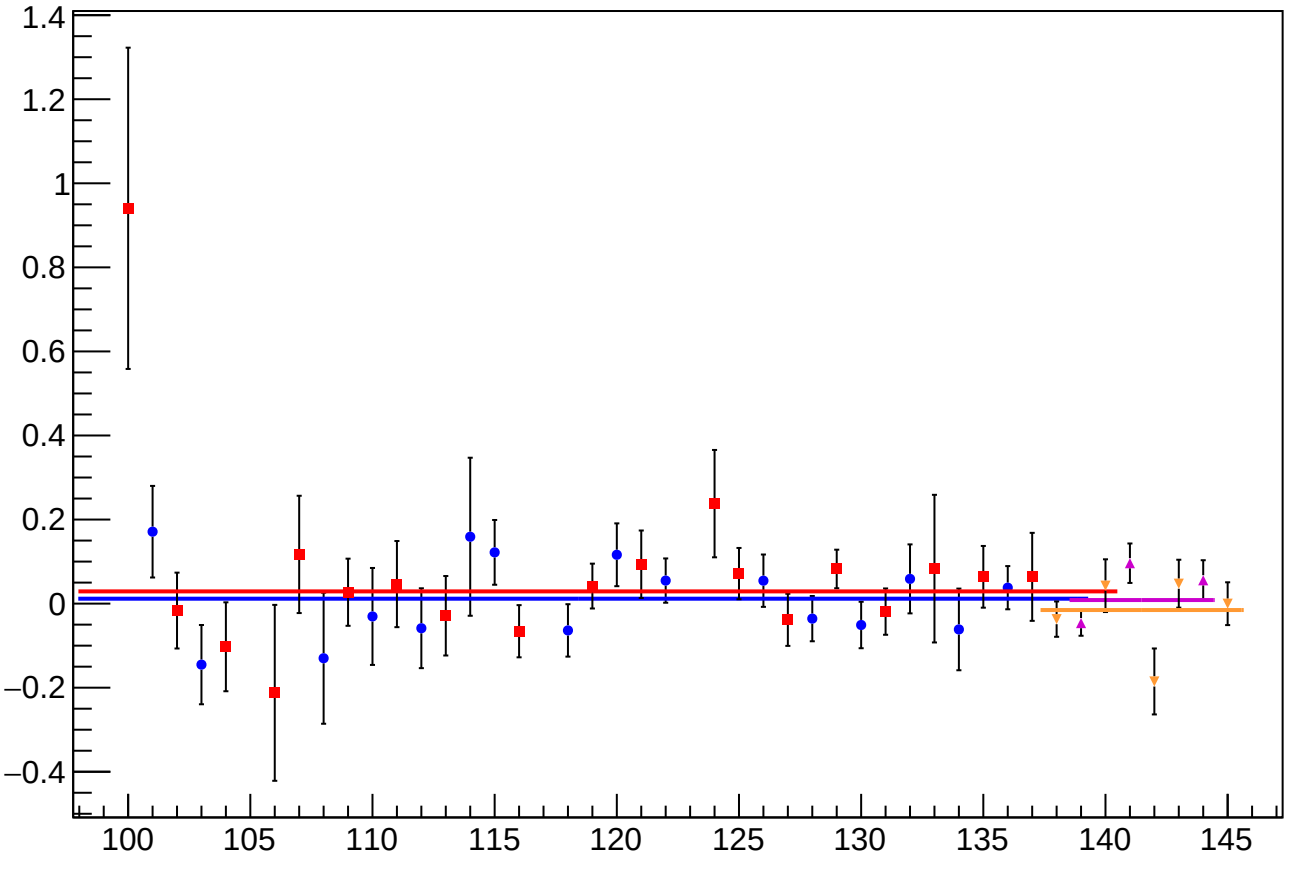
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 34.342+/-0.016 χ^2/NDF:285305.6/2

+ sign 45.110+/-0.010 χ^2/NDF: 1468733.7/20

All: 42.602+/-0.007 χ^2/NDF: 3843239.4/42

- sign 40.323+/-0.010 χ^2/NDF: 2262715.6/21



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.015+/-0.024 χ^2/NDF:7.1/4

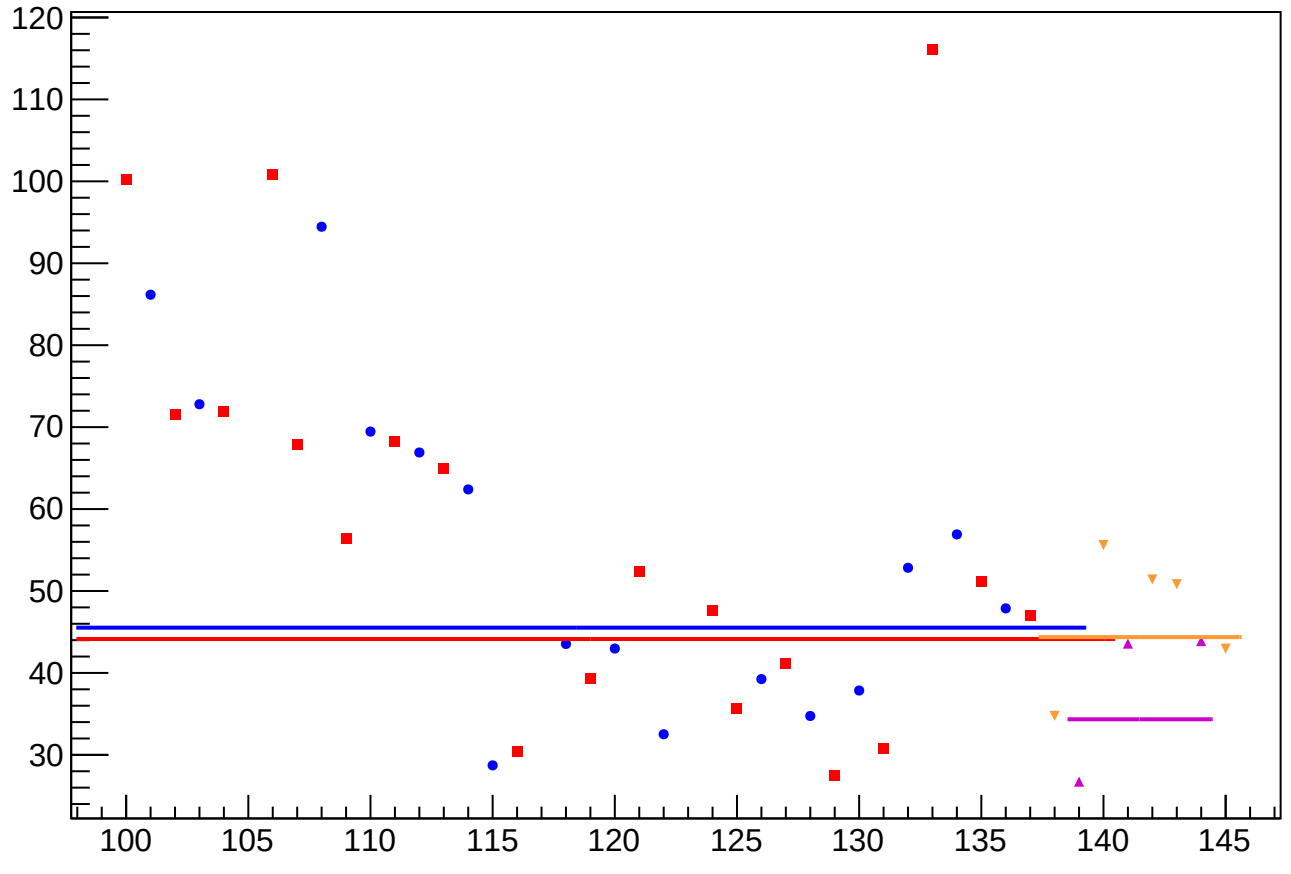
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.022 χ^2/NDF:7.8/2

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/20

All: 0.012+/-0.010 χ^2/NDF: 53.5/42

- sign 0.021+/-0.014 χ^2/NDF: 27.8/21



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.372+/-0.017 χ^2/NDF:211914.3/4

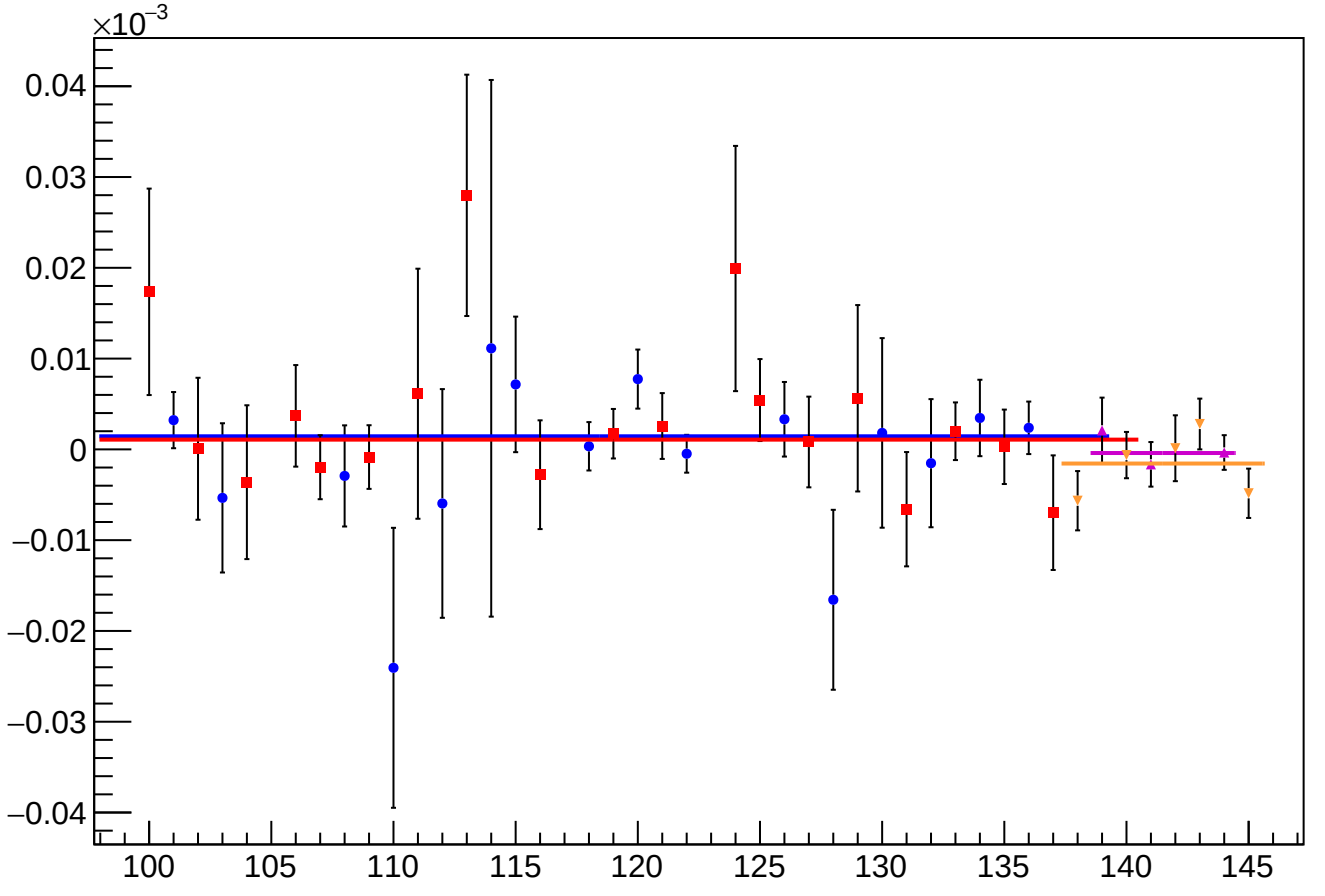
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 34.342+/-0.016 χ^2/NDF:285305.6/2

+ sign 45.110+/-0.010 χ^2/NDF: 1468733.7/20

All: 42.602+/-0.007 χ^2/NDF: 3843239.4/42

- sign 40.323+/-0.010 χ^2/NDF: 2262715.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/4

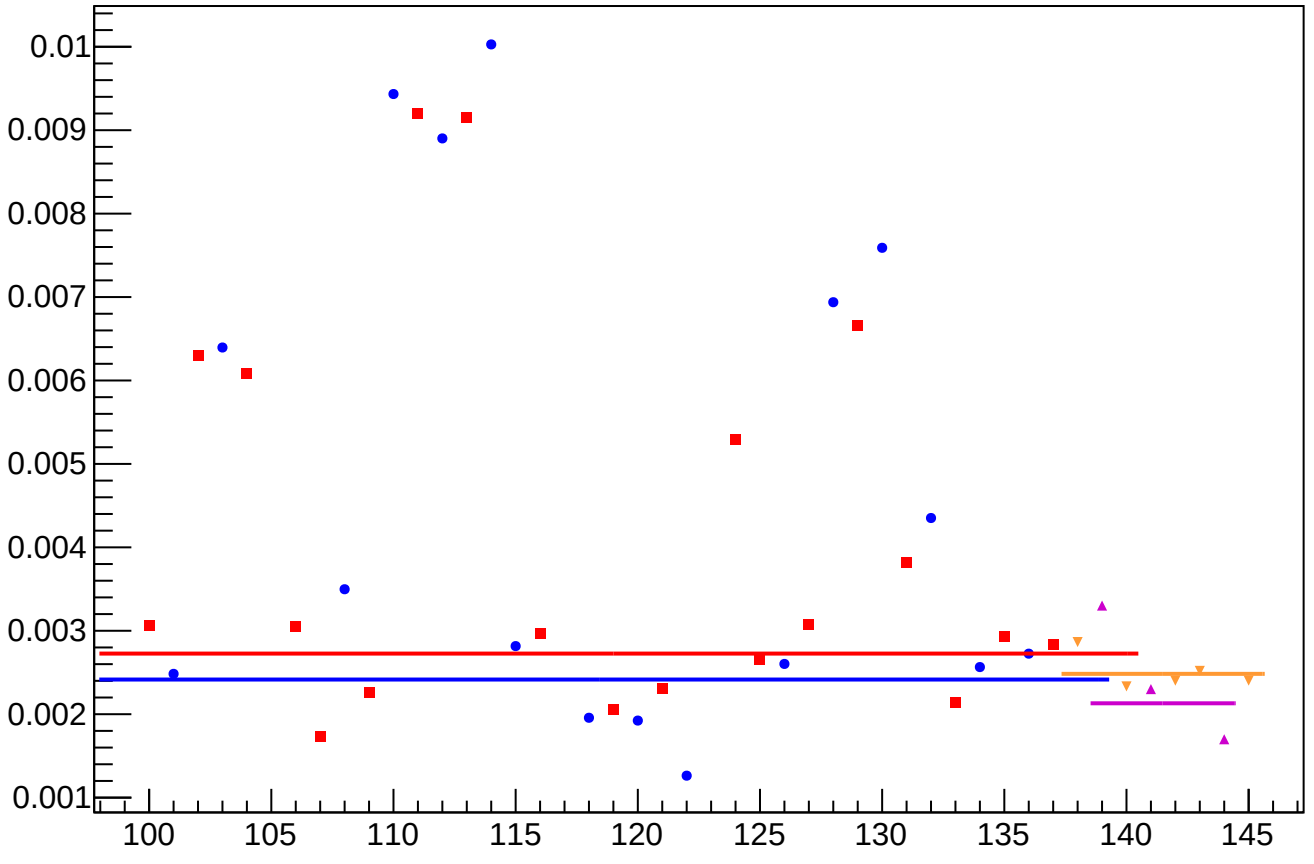
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/2

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/20

All: 0.000+/-0.000 χ^2/NDF: 39.5/42

- sign 0.000+/-0.000 χ^2/NDF: 16.2/21



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:37304.4/4

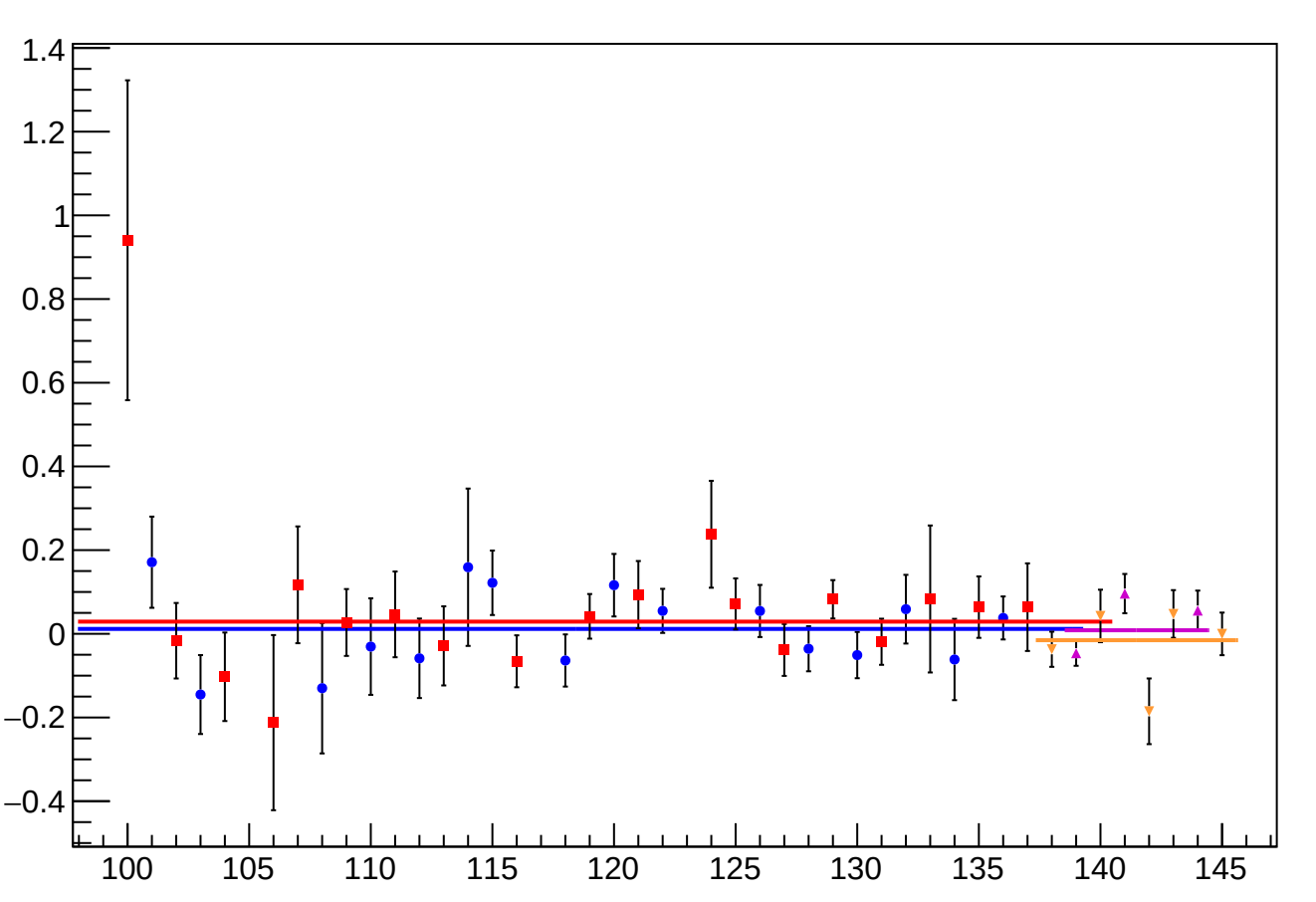
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:322252.7/2

+ sign 0.002+/-0.000 χ^2/NDF: 3472738.6/20

All: 0.002+/-0.000 χ^2/NDF: 6525912.3/42

- sign 0.002+/-0.000 χ^2/NDF: 3049715.8/21



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.015+/-0.024 χ^2/NDF:7.1/4

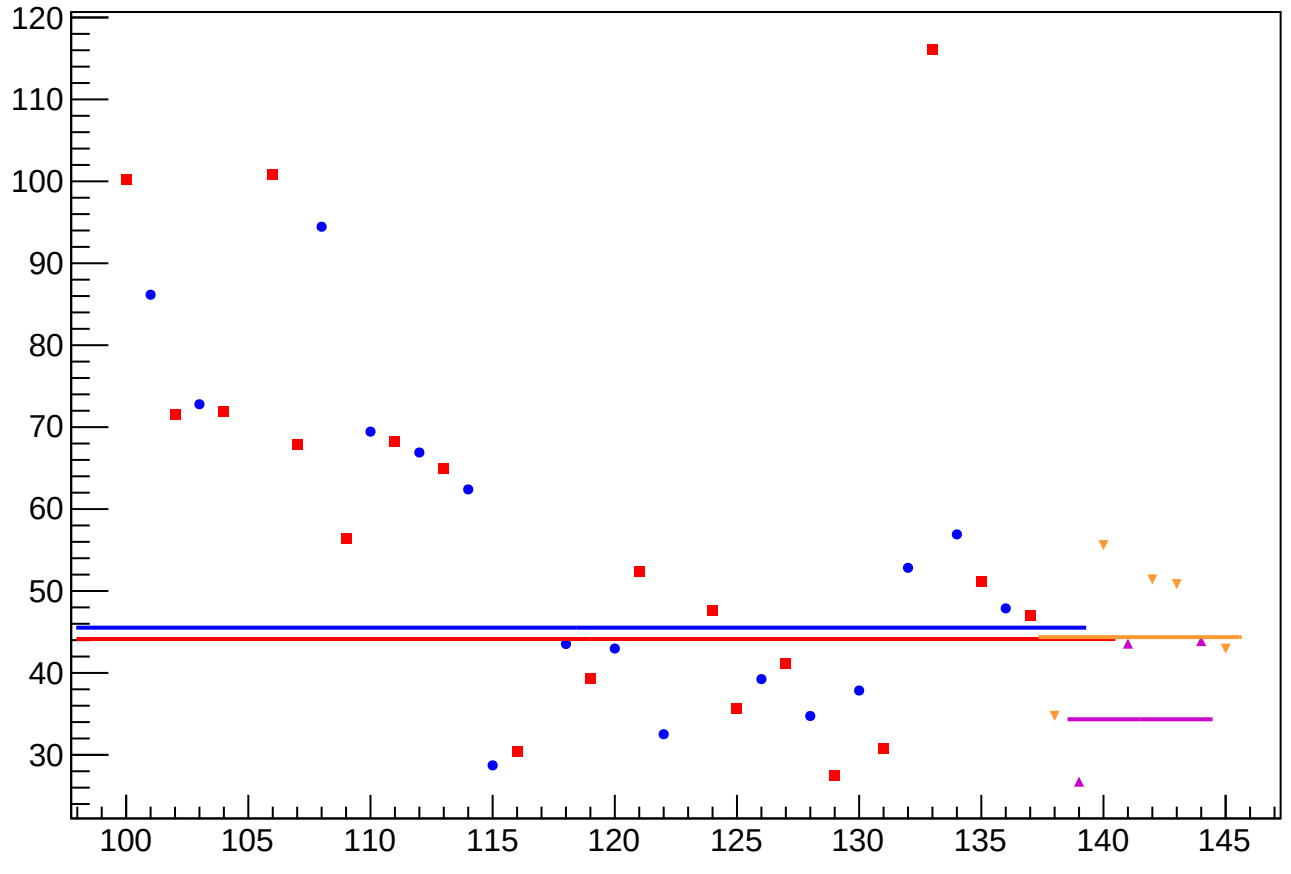
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.022 χ^2/NDF:7.8/2

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/20

All: 0.012+/-0.010 χ^2/NDF: 53.5/42

- sign 0.021+/-0.014 χ^2/NDF: 27.8/21



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

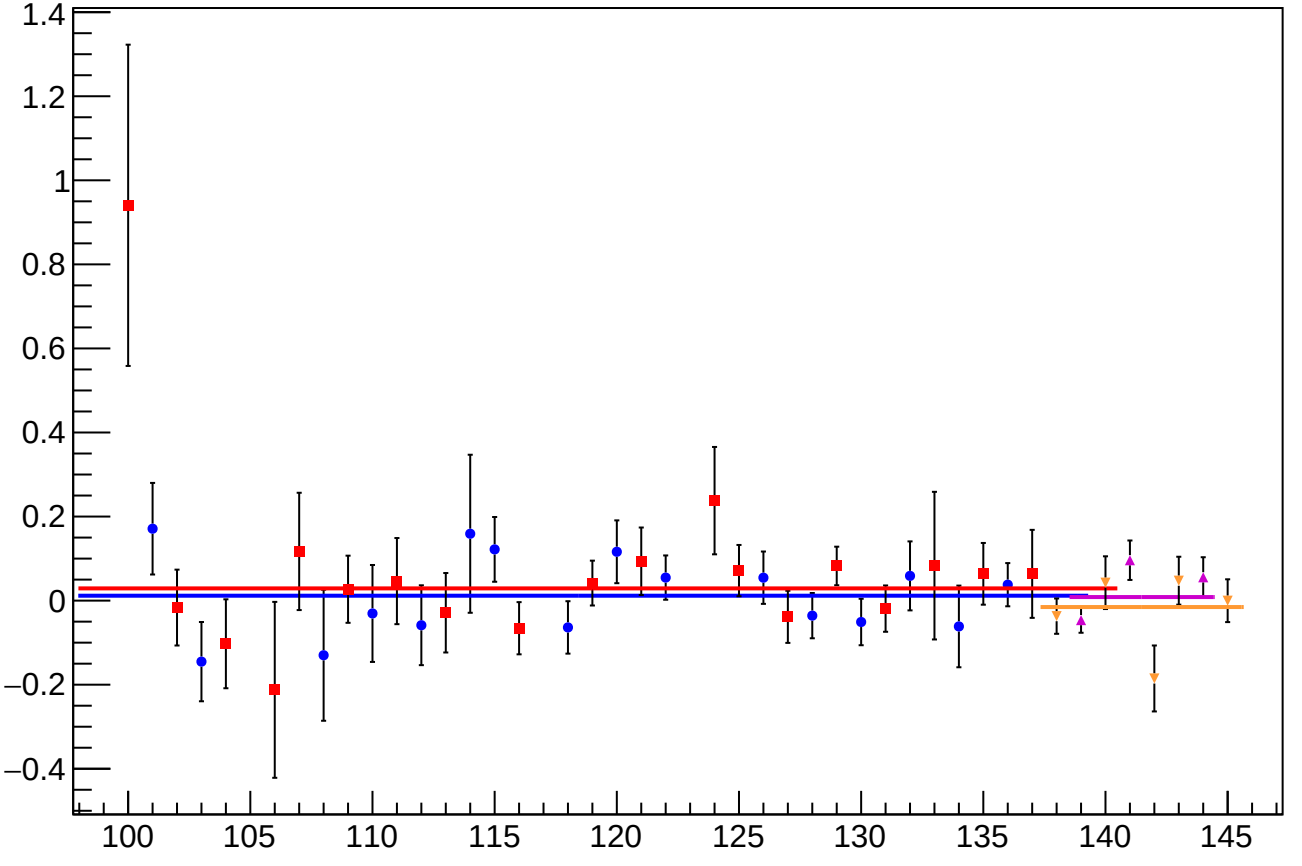
Left In: 34.343+/-0.016 χ^2/NDF:285321.6/2

+ sign 45.110+/-0.010 χ^2/NDF: 1468701.2/20

All: 42.602+/-0.007 χ^2/NDF: 3843138.8/42

- sign 40.323+/-0.010 χ^2/NDF: 2262657.1/21

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

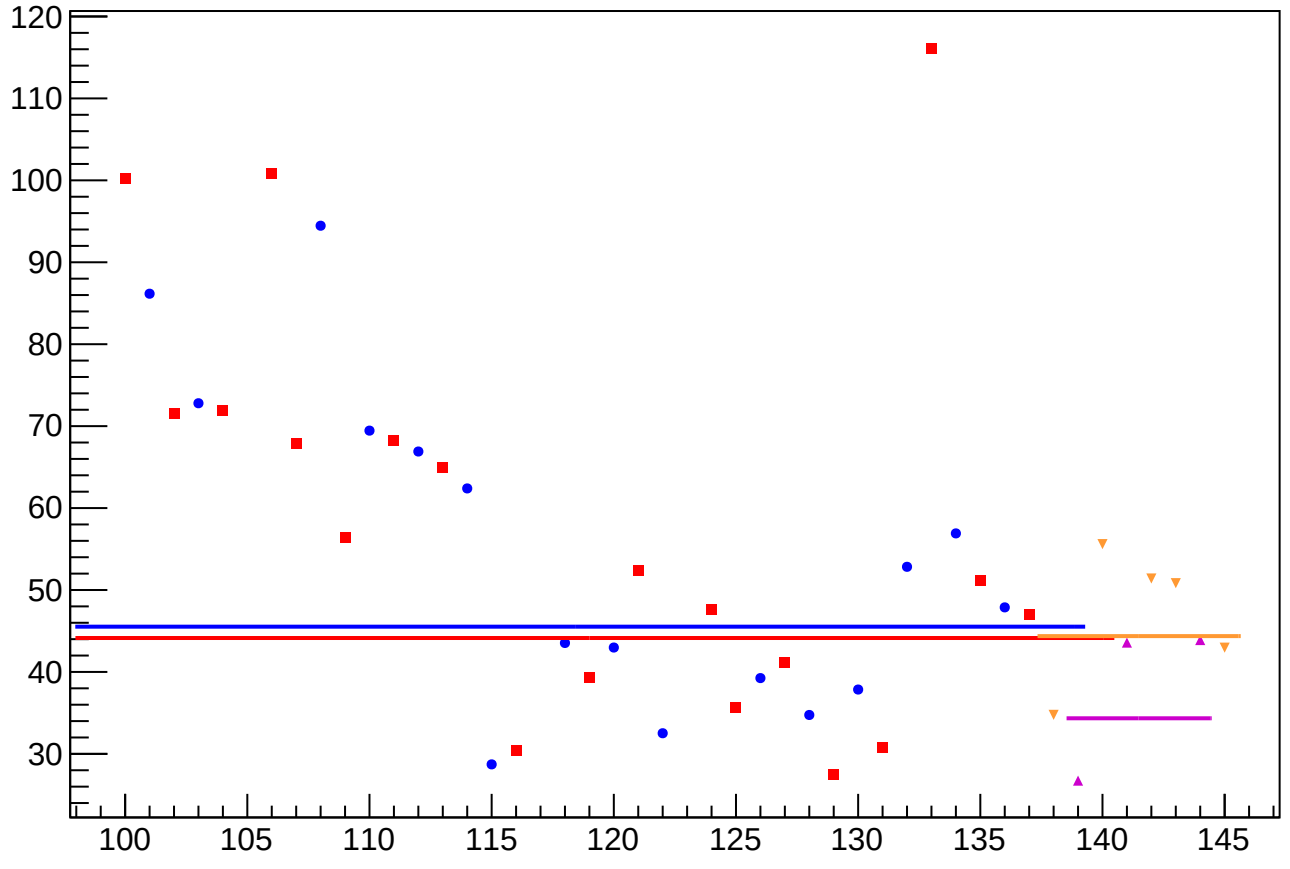
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.022 χ^2/NDF:7.8/2

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/20

All: 0.012+/-0.010 χ^2/NDF: 53.5/42

- sign 0.021+/-0.014 χ^2/NDF: 27.8/21



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.372+/-0.017 χ^2/NDF:211928.8/4

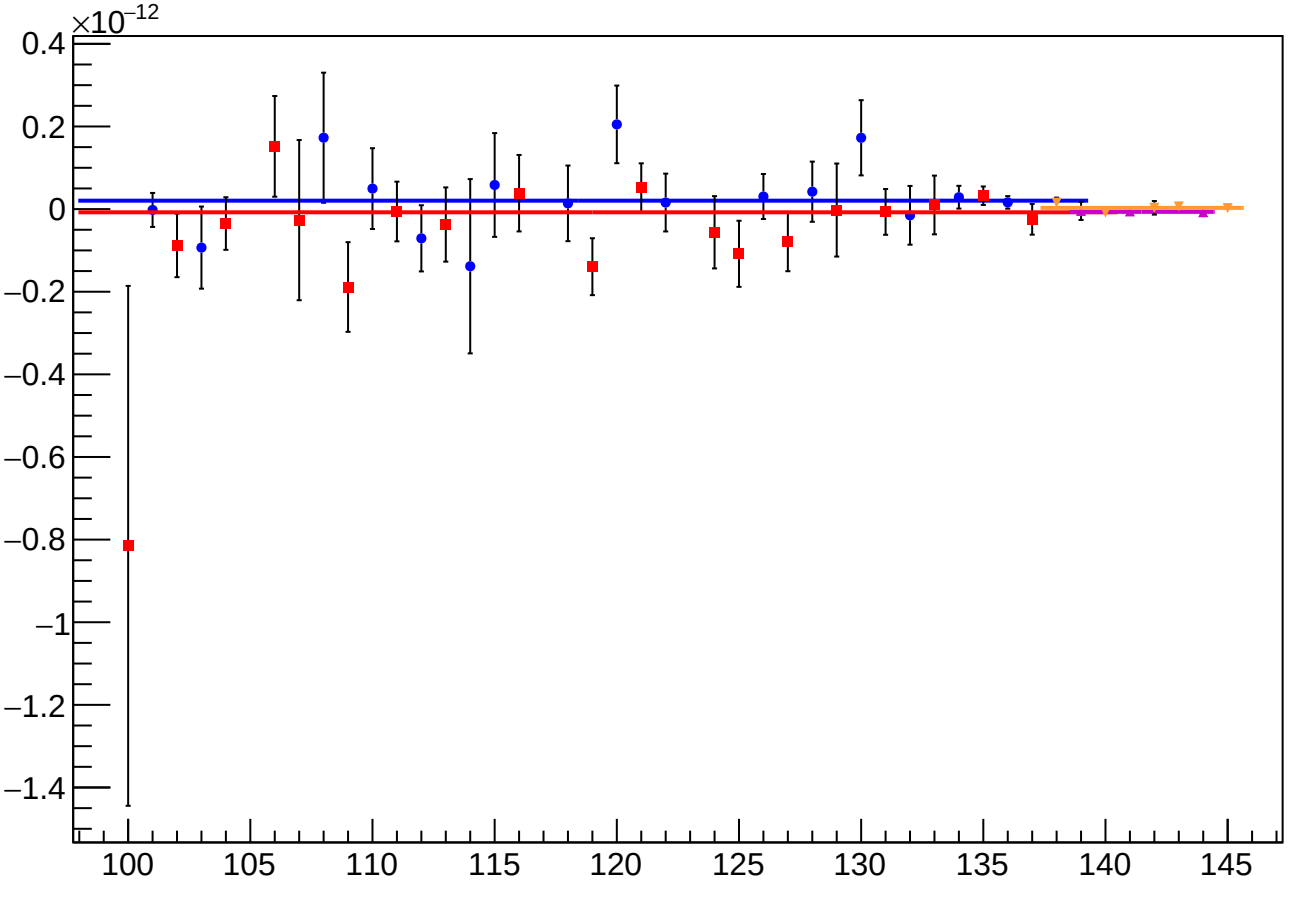
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

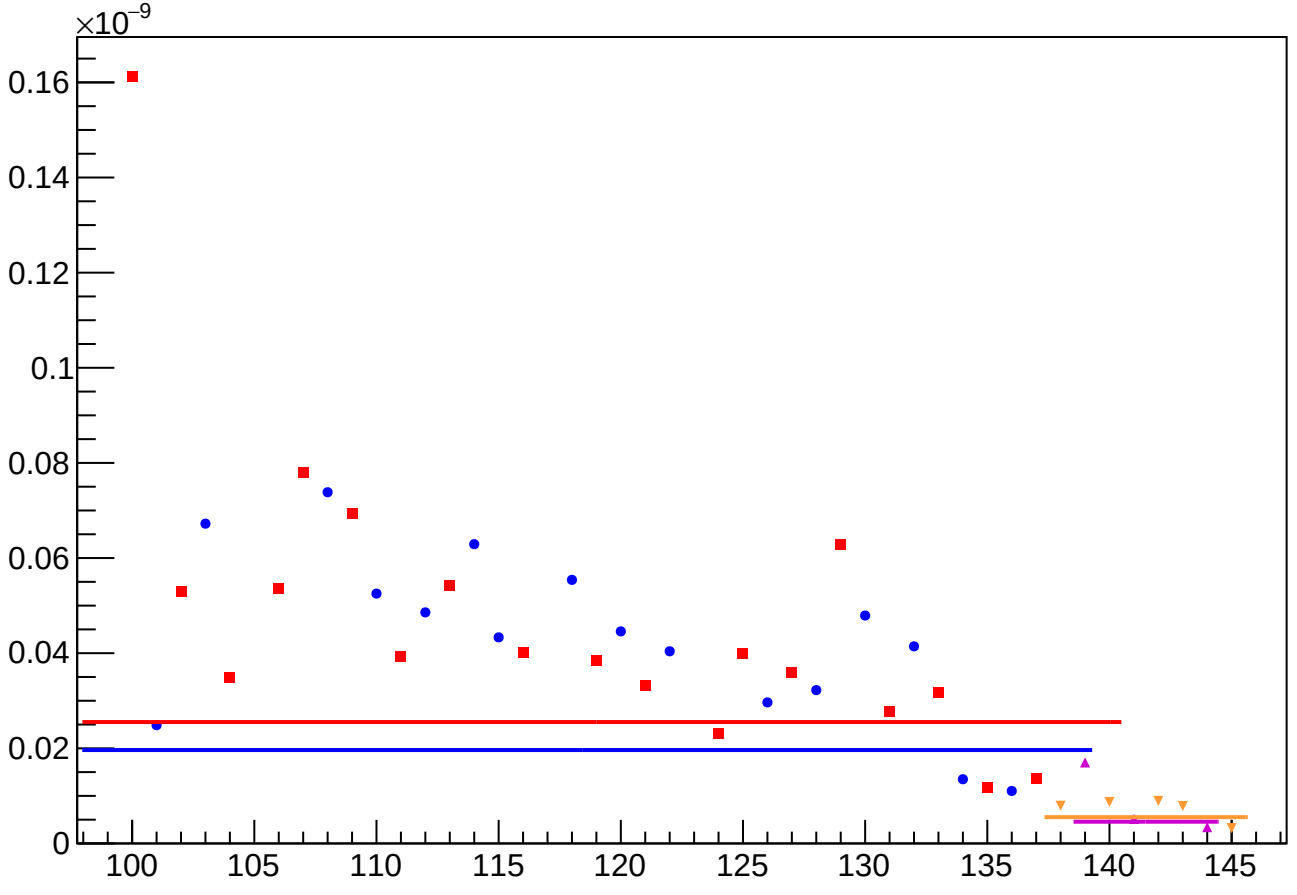
Left In: 34.343+/-0.016 χ^2/NDF:285321.6/2

+ sign 45.110+/-0.010 χ^2/NDF: 1468701.2/20

All: 42.602+/-0.007 χ^2/NDF: 3843138.8/42

- sign 40.323+/-0.010 χ^2/NDF: 2262657.1/21


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2.2/4
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:0.1/2
+ sign 0.000+/-0.000 χ²/NDF: 16.1/20
All: -0.000+/-0.000 χ²/NDF: 39.1/42
- sign -0.000+/-0.000 χ²/NDF: 18.8/21



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

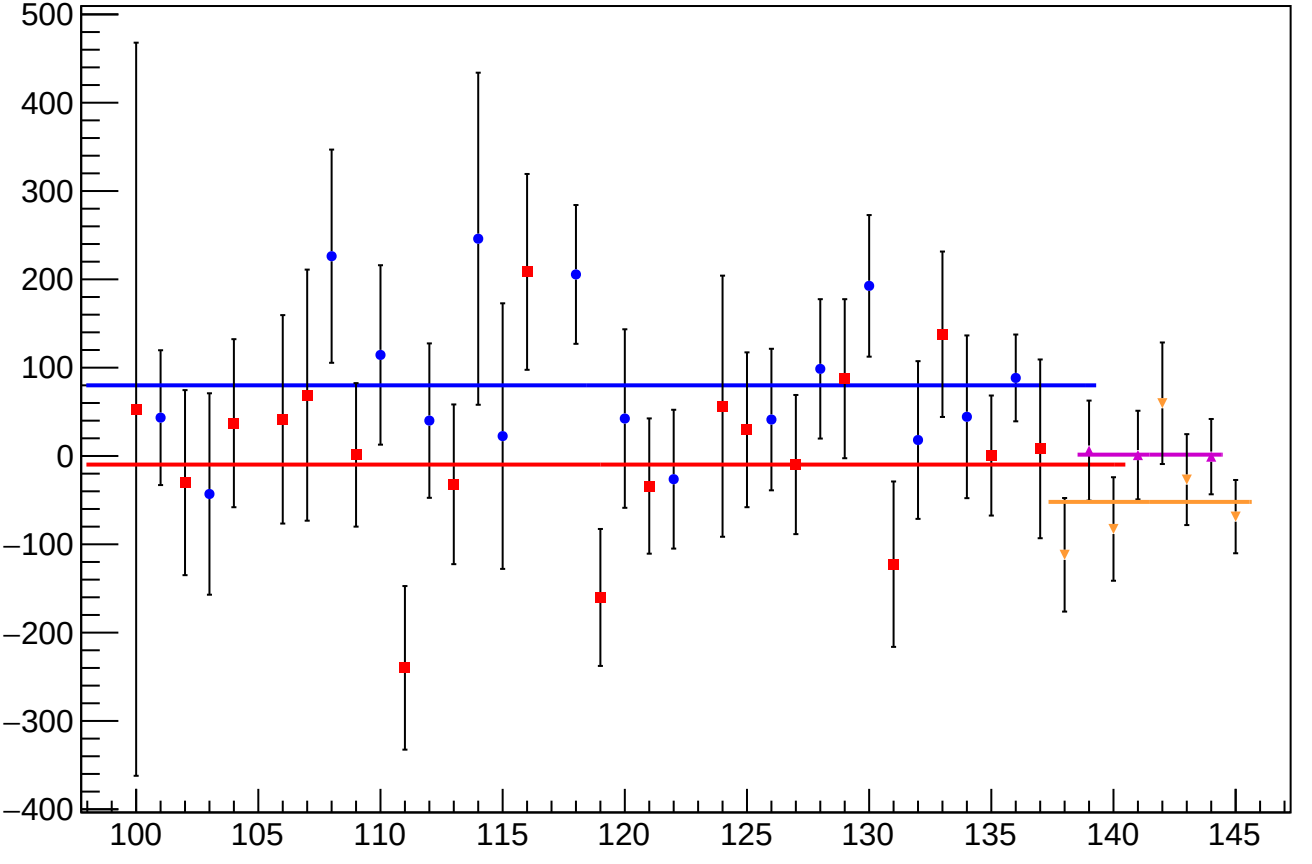
Left In: 0.000+/-0.000 χ^2/NDF:731057.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 6804505.9/20

All: 0.000+/-0.000 χ^2/NDF: 14451558.2/42

- sign 0.000+/-0.000 χ^2/NDF: 7632681.8/21

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

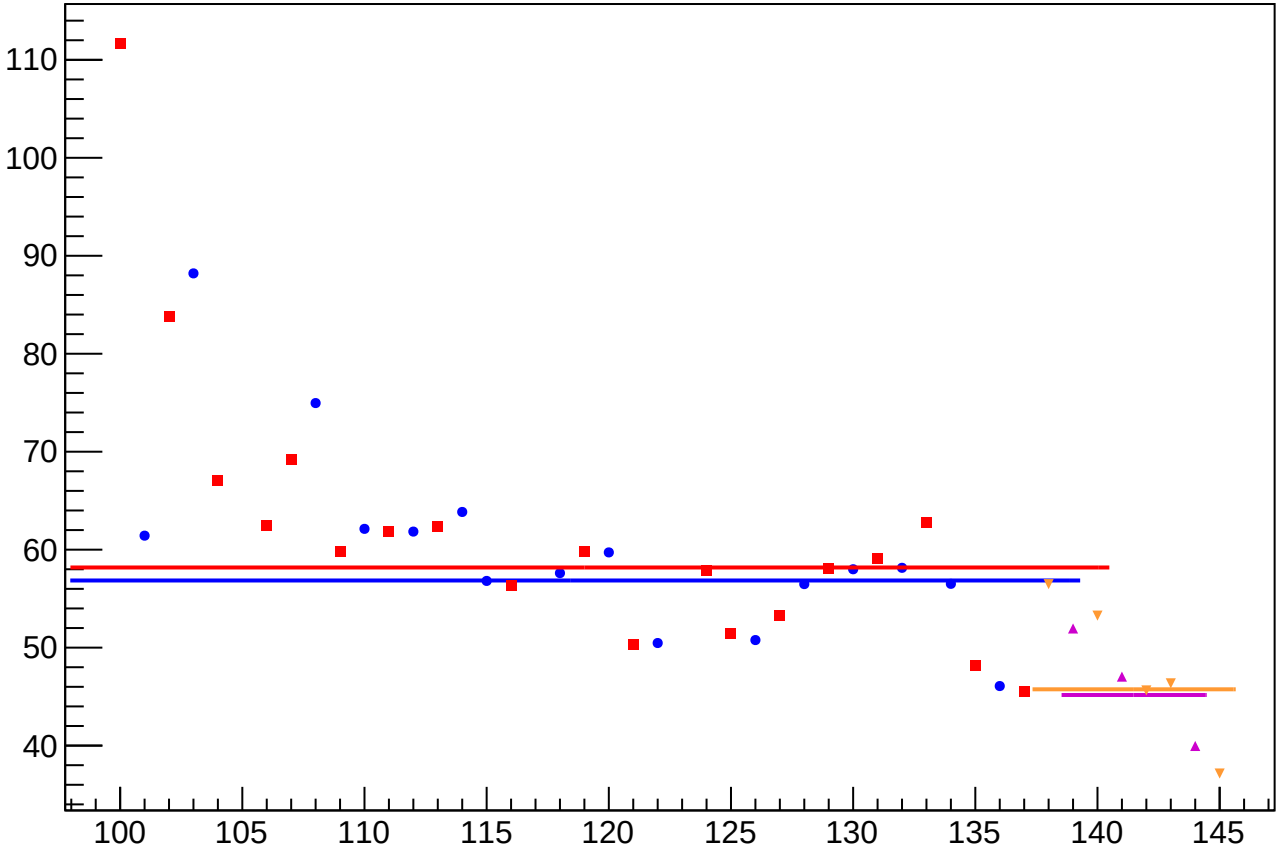
Left In: 1.508+/-28.182 χ^2/NDF:0.0/2

+ sign 21.948+/-16.072 χ^2/NDF: 32.3/20

All: 9.084+/-11.728 χ^2/NDF: 54.2/42

- sign -5.567+/-17.152 χ^2/NDF: 20.5/21

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

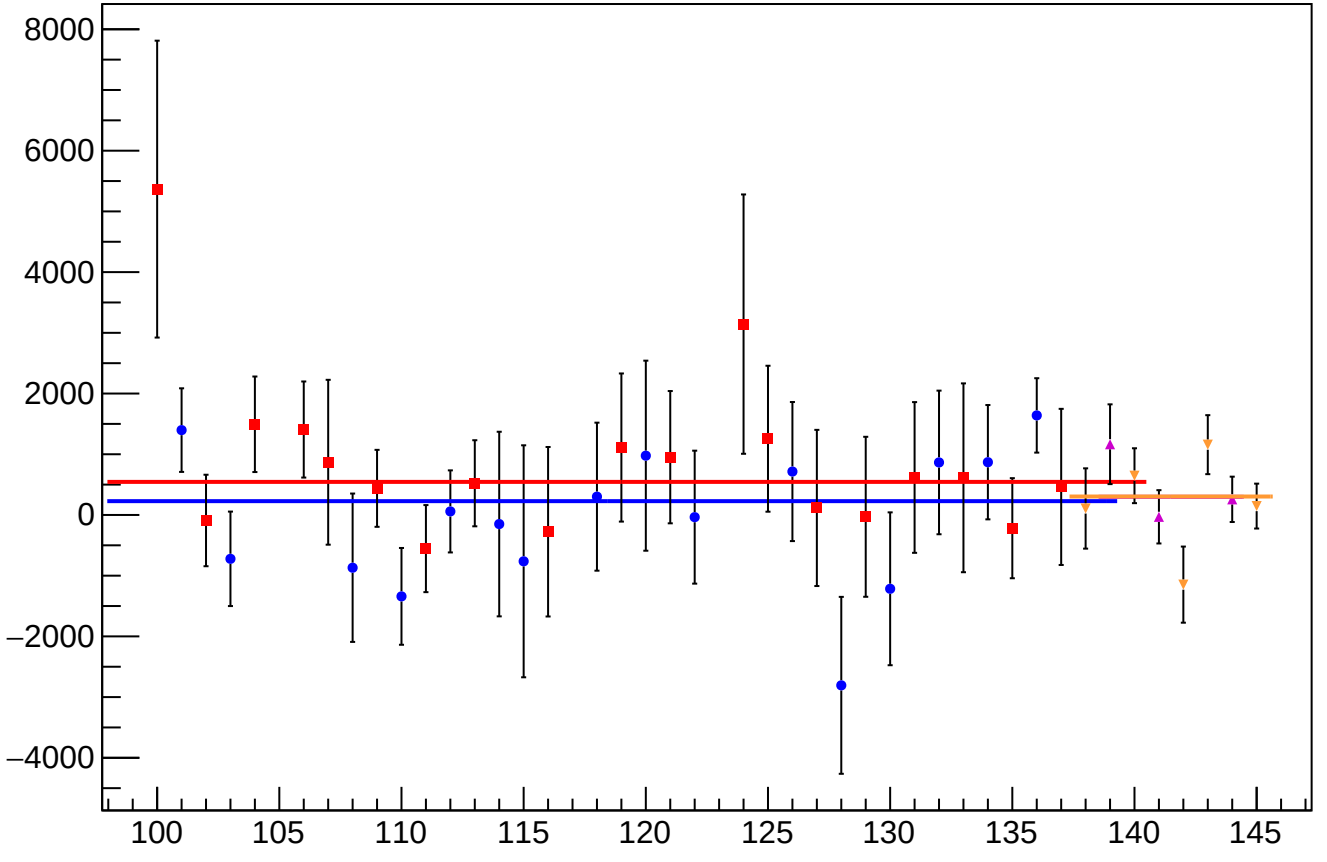
Left In: 45.167+/-0.020 χ^2/NDF:61323.3/2

+ sign 51.968+/-0.011 χ^2/NDF: 751799.4/20

All: 52.619+/-0.008 χ^2/NDF: 1403330.1/42

- sign 53.360+/-0.012 χ^2/NDF: 644517.7/21

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

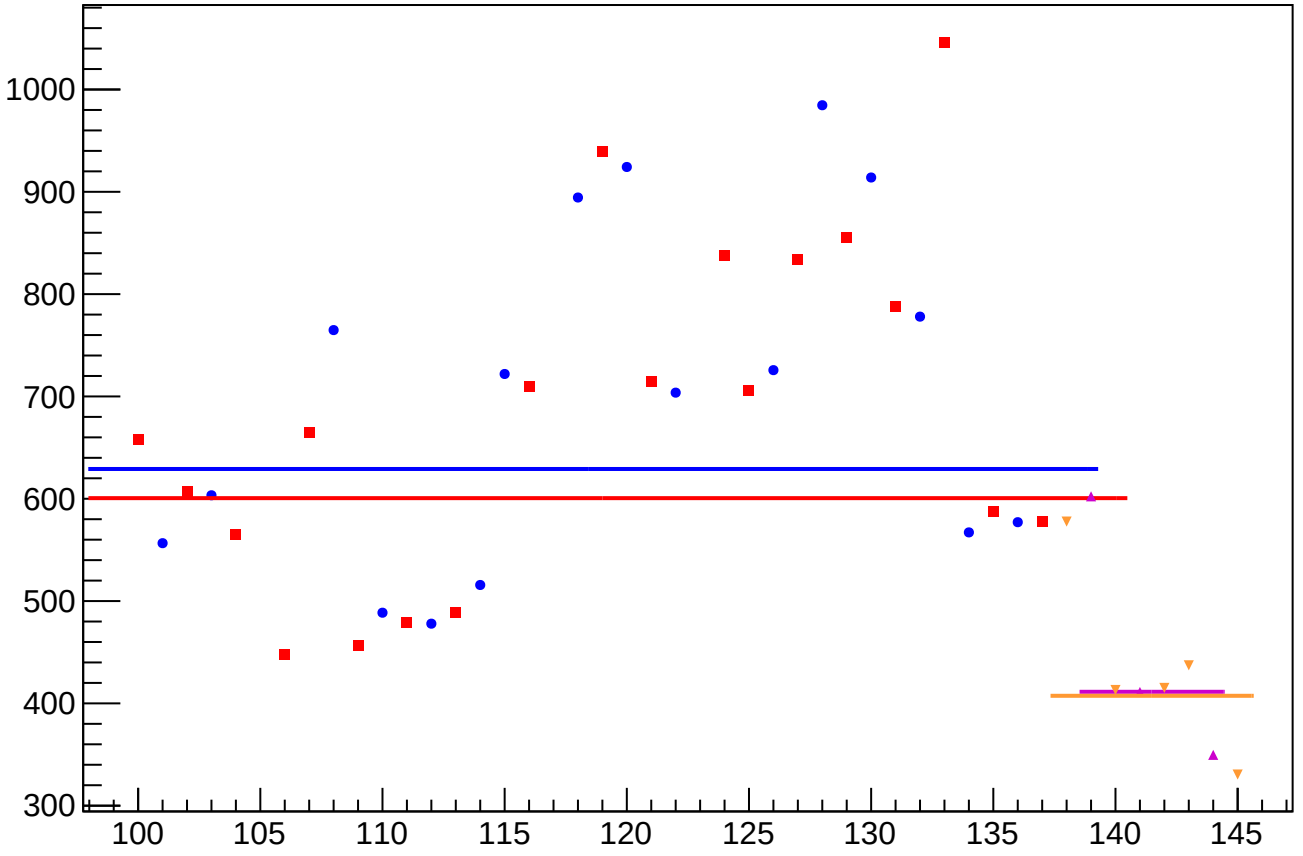
Left In: 298.844+/-261.030 χ^2/NDF:2.3/2

+ sign 269.680+/-161.247 χ^2/NDF: 31.0/20

All: 349.059+/-117.442 χ^2/NDF: 47.7/42

- sign 438.743+/-171.394 χ^2/NDF: 16.2/21

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

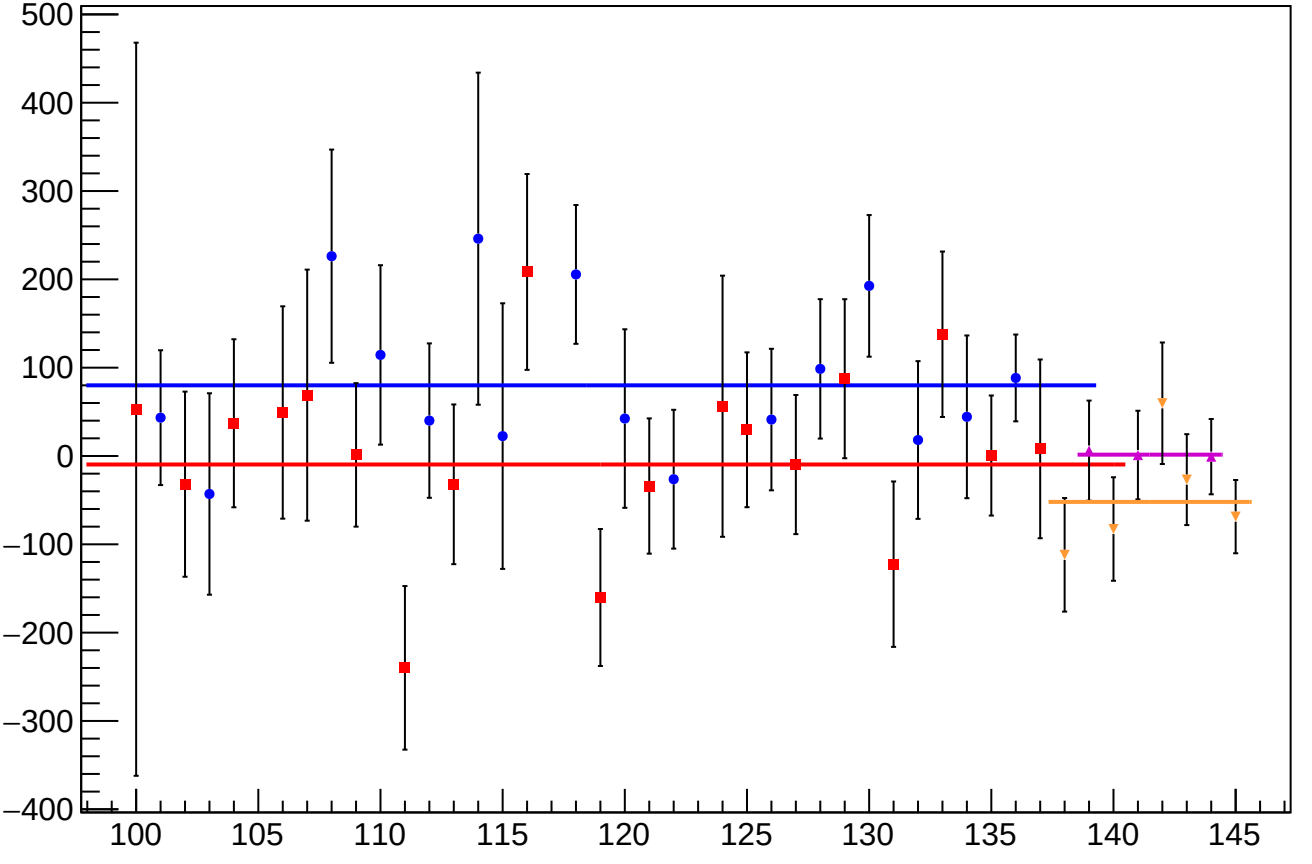
Left In: 411.318+/-0.185 χ^2/NDF:223592.0/2

+ sign 506.465+/-0.114 χ^2/NDF: 1854465.4/20

All: 512.346+/-0.083 χ^2/NDF: 3556538.0/42

- sign 518.991+/-0.121 χ^2/NDF: 1696406.4/21

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

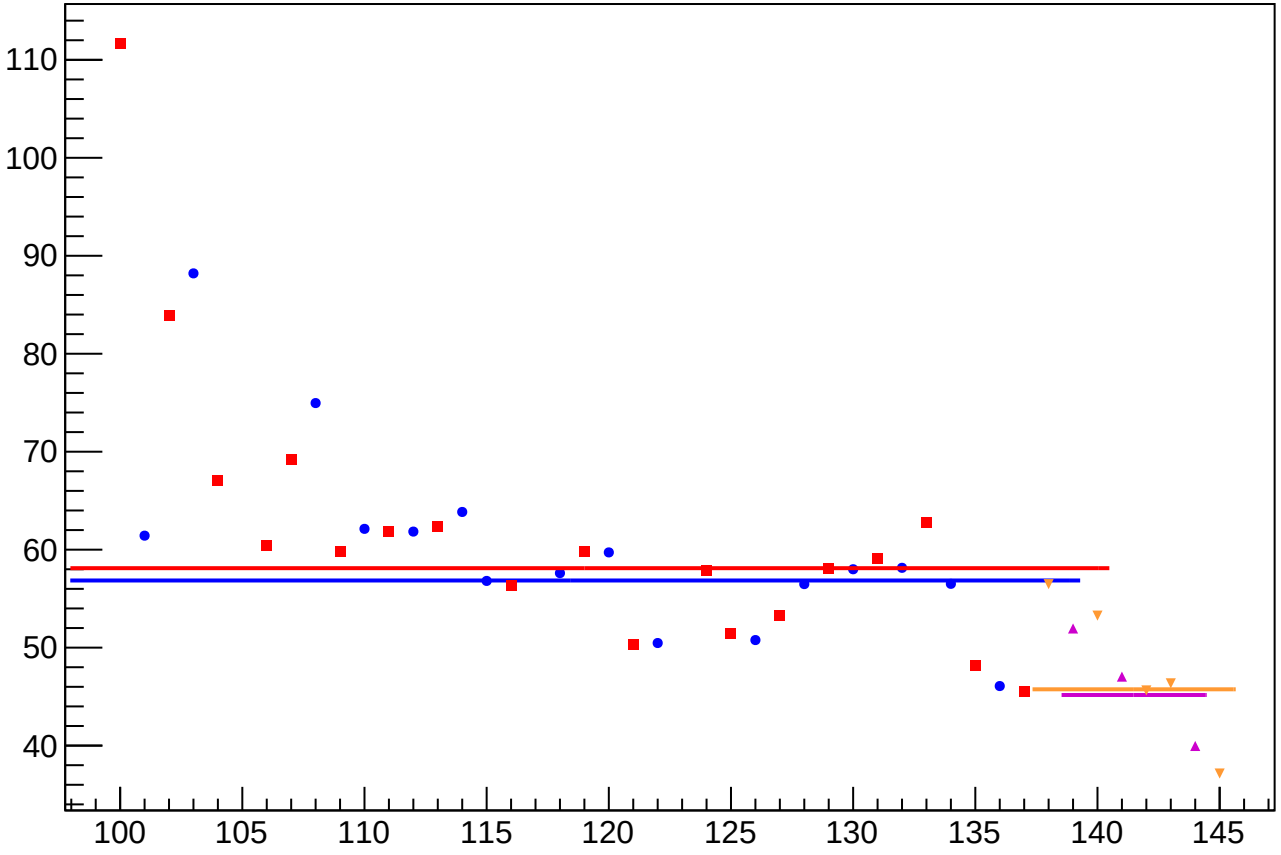
Left In: 1.510+/-28.182 χ^2/NDF:0.0/2

+ sign 21.947+/-16.072 χ^2/NDF: 32.3/20

All: 9.123+/-11.730 χ^2/NDF: 54.2/42

- sign -5.493+/-17.159 χ^2/NDF: 20.5/21

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

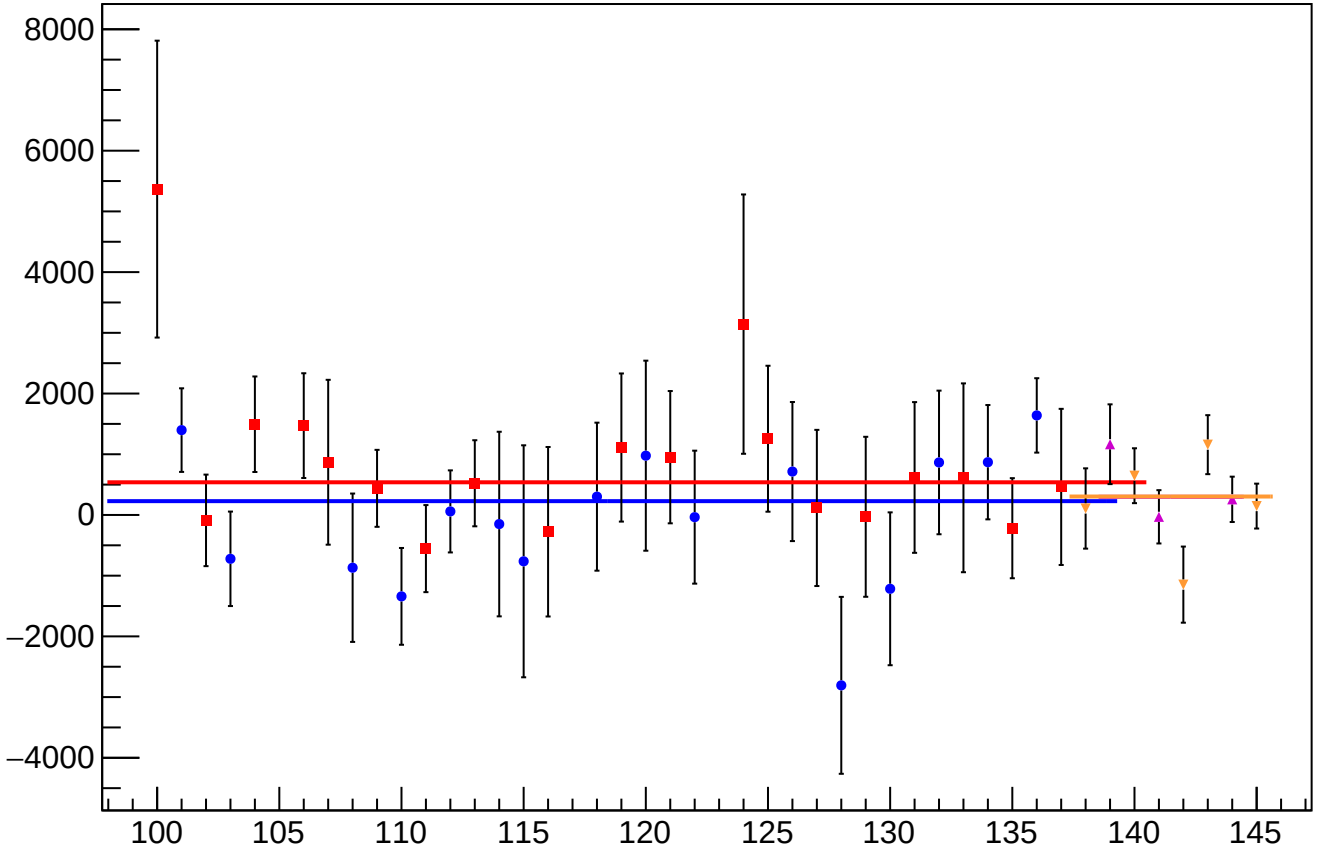
Left In: 45.167+/-0.020 χ^2/NDF:61323.3/2

+ sign 51.968+/-0.011 χ^2/NDF: 751803.3/20

All: 52.596+/-0.008 χ^2/NDF: 1398096.6/42

- sign 53.312+/-0.012 χ^2/NDF: 639761.4/21

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

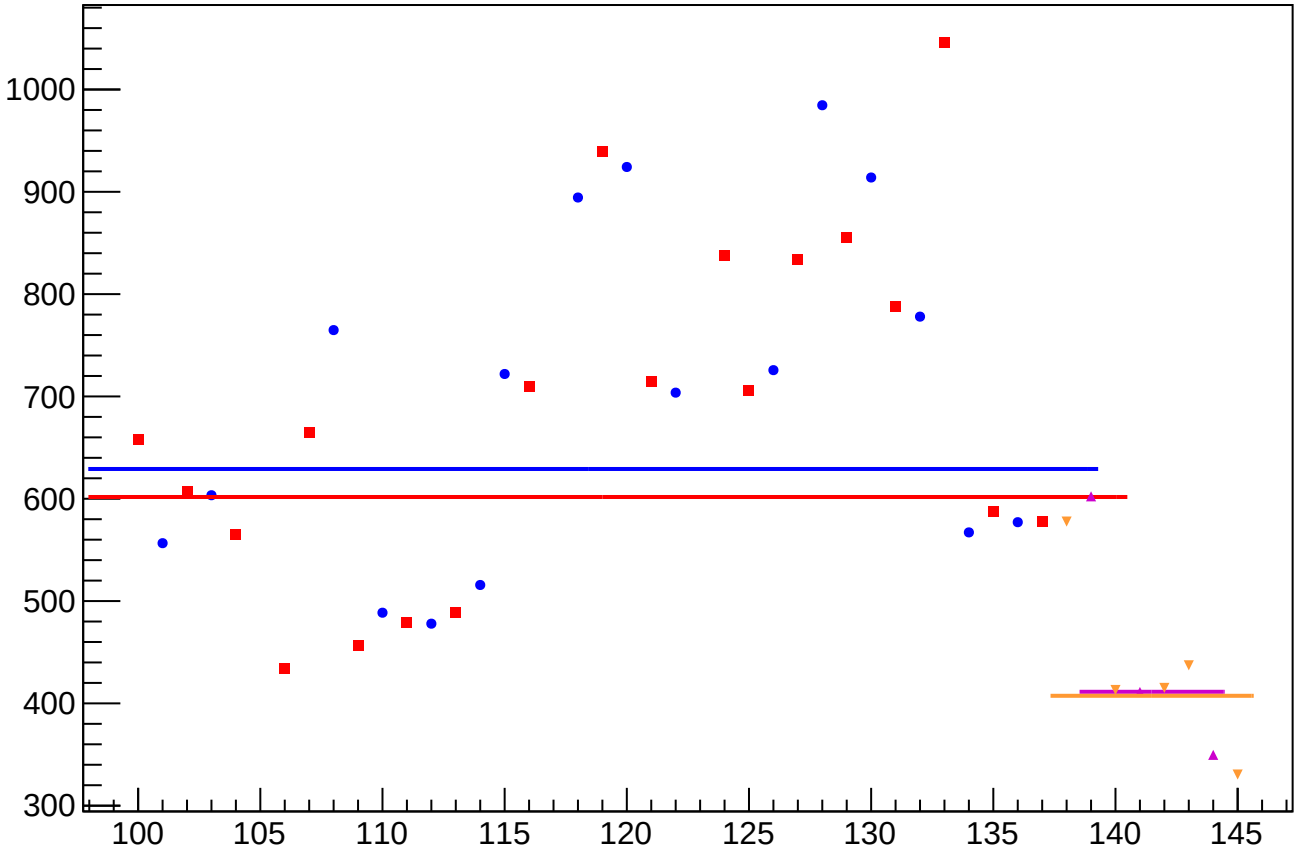
Left In: 298.850+/-261.030 χ^2/NDF:2.3/2

+ sign 269.693+/-161.247 χ^2/NDF: 31.0/20

All: 346.617+/-117.649 χ^2/NDF: 47.6/42

- sign 434.182+/-172.040 χ^2/NDF: 16.1/21

asym_sam_15_48_dd_cor_correction_rms vs Slug



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

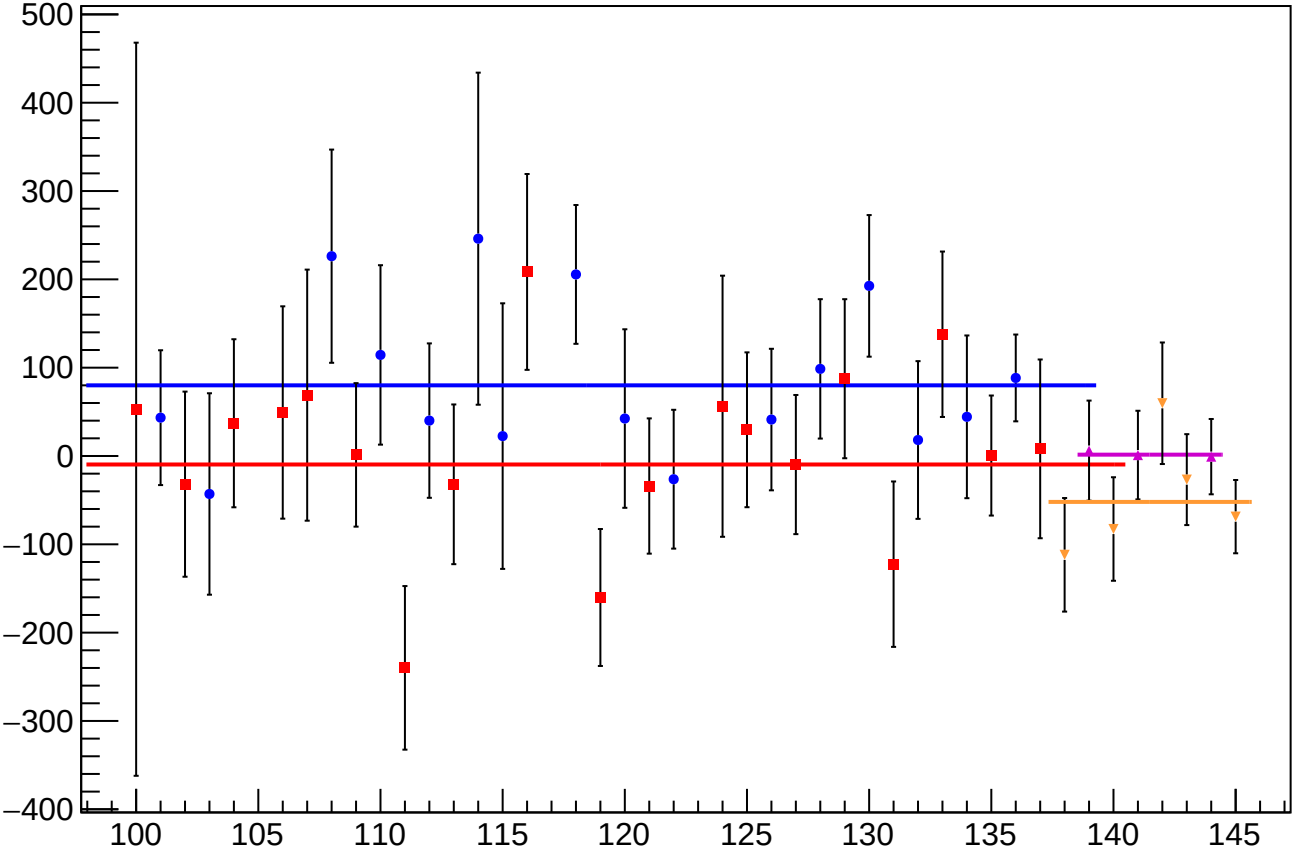
Left In: 411.319+/-0.185 χ^2/NDF:223591.3/2

+ sign 506.466+/-0.114 χ^2/NDF: 1854492.3/20

All: 512.334+/-0.083 χ^2/NDF: 3559670.1/42

- sign 519.012+/-0.122 χ^2/NDF: 1699515.4/21

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

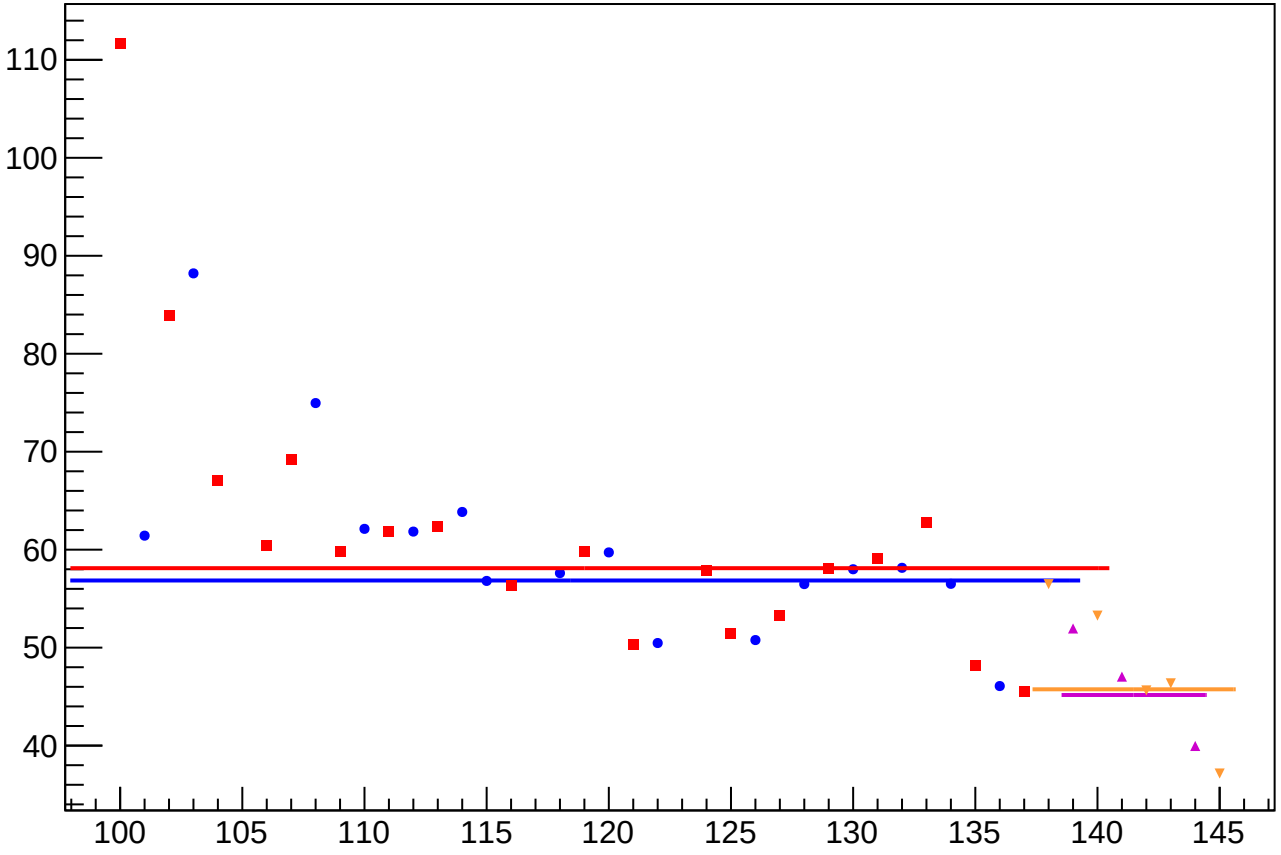
Left In: 1.510+/-28.182 χ^2/NDF:0.0/2

+ sign 21.947+/-16.072 χ^2/NDF: 32.3/20

All: 9.123+/-11.730 χ^2/NDF: 54.2/42

- sign -5.493+/-17.159 χ^2/NDF: 20.5/21

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

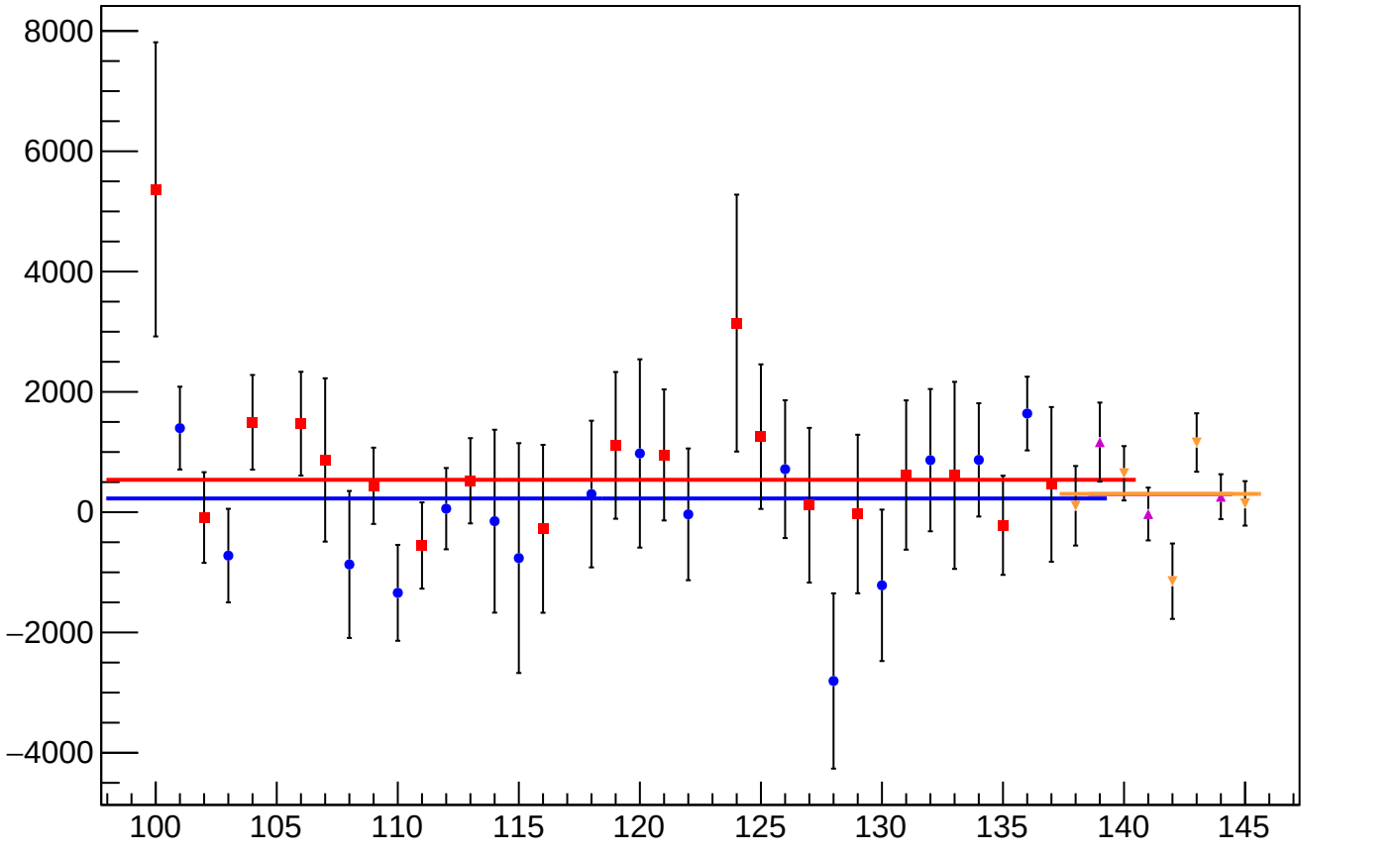
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.167+/-0.020 χ^2/NDF:61323.3/2

+ sign 51.968+/-0.011 χ^2/NDF: 751803.3/20

All: 52.596+/-0.008 χ^2/NDF: 1398096.6/42

- sign 53.312+/-0.012 χ^2/NDF: 639761.4/21



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 303.736+/-216.800 χ^2/NDF:9.3/4

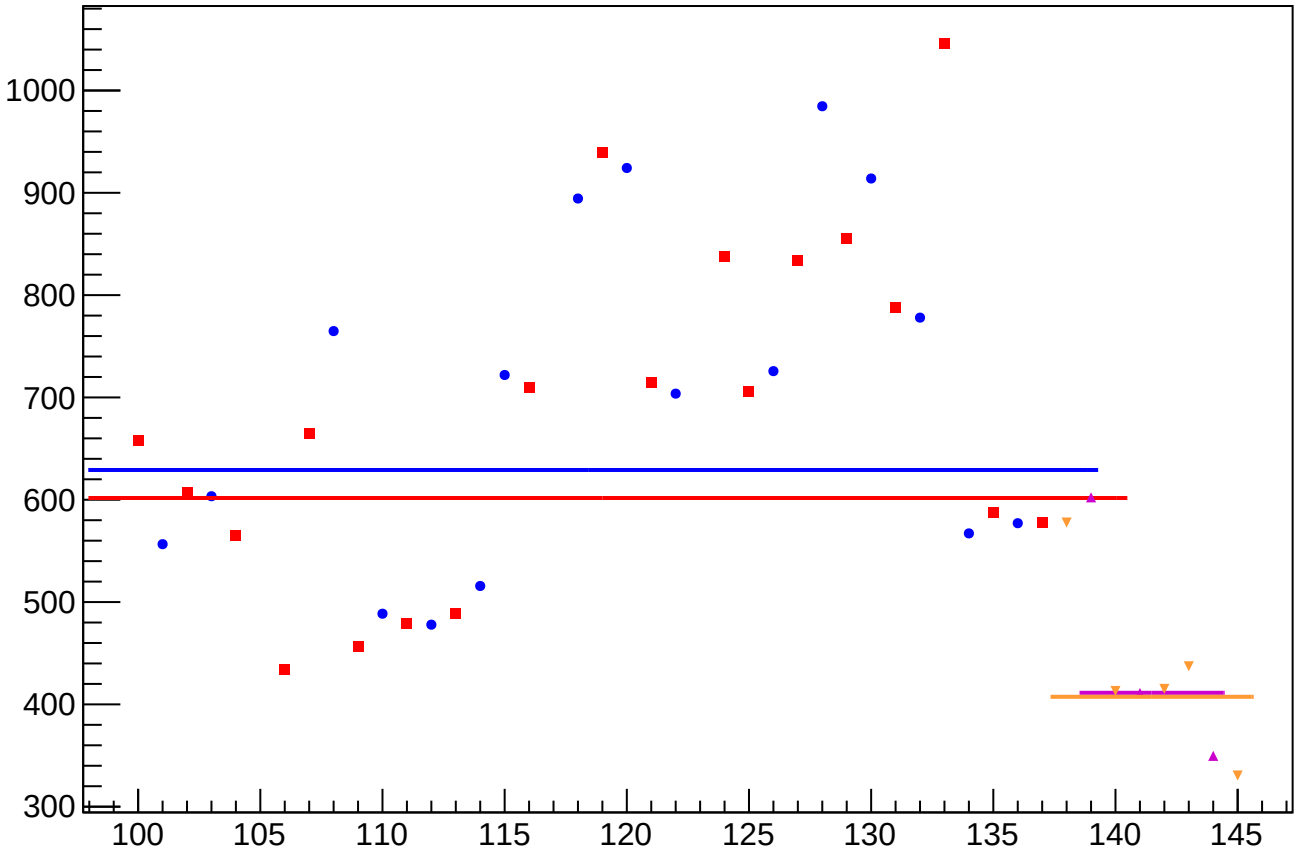
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 298.850+/-261.030 χ^2/NDF:2.3/2

+ sign 269.693+/-161.247 χ^2/NDF: 31.0/20

All: 346.617+/-117.649 χ^2/NDF: 47.6/42

- sign 434.182+/-172.040 χ^2/NDF: 16.1/21



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

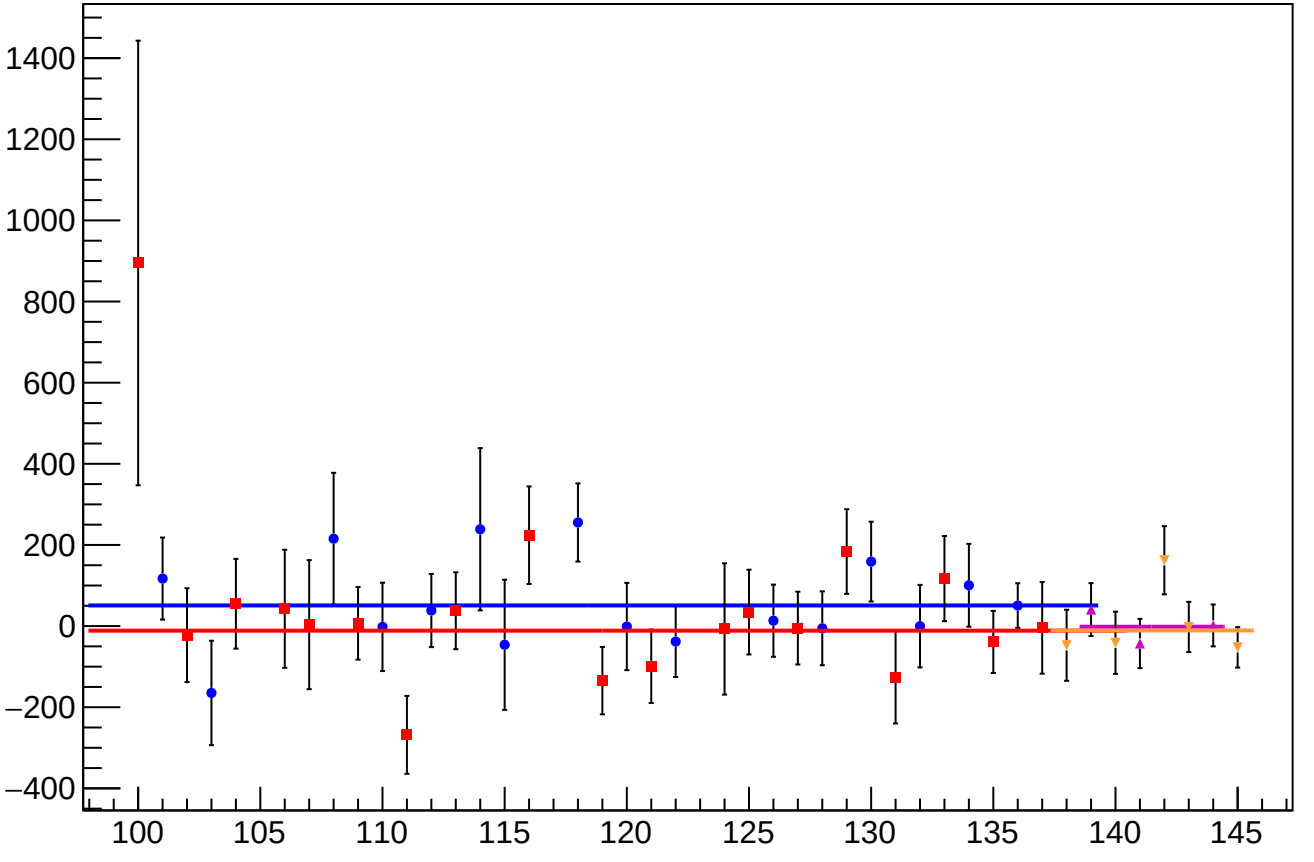
Left In: 411.319+/-0.185 χ^2/NDF:223591.3/2

+ sign 506.466+/-0.114 χ^2/NDF: 1854492.3/20

All: 512.334+/-0.083 χ^2/NDF: 3559670.1/42

- sign 519.012+/-0.122 χ^2/NDF: 1699515.4/21

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

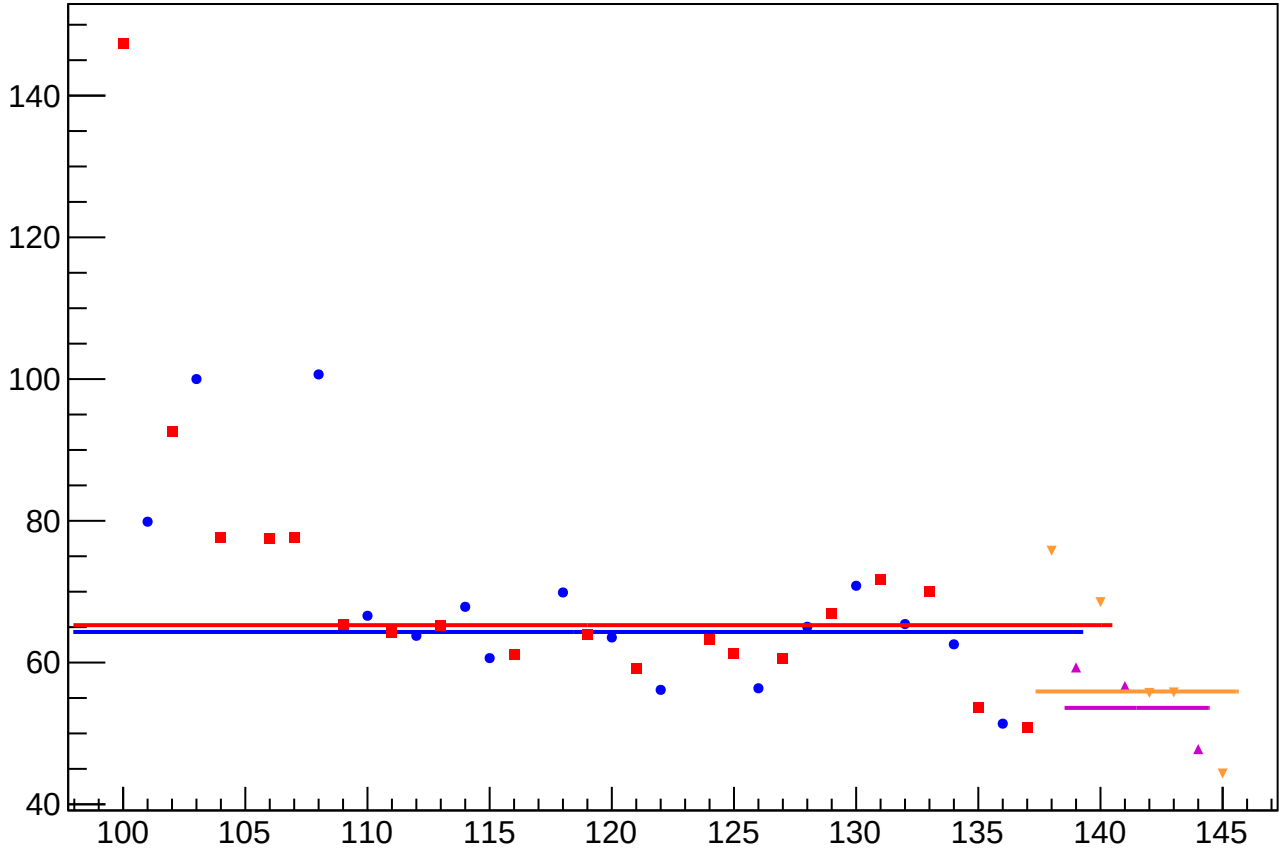
Left In: -1.636+/-33.663 χ^2/NDF:0.9/2

+ sign 26.287+/-18.990 χ^2/NDF: 21.6/20

All: 9.806+/-13.677 χ^2/NDF: 48.1/42

- sign -7.959+/-19.716 χ^2/NDF: 25.0/21

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

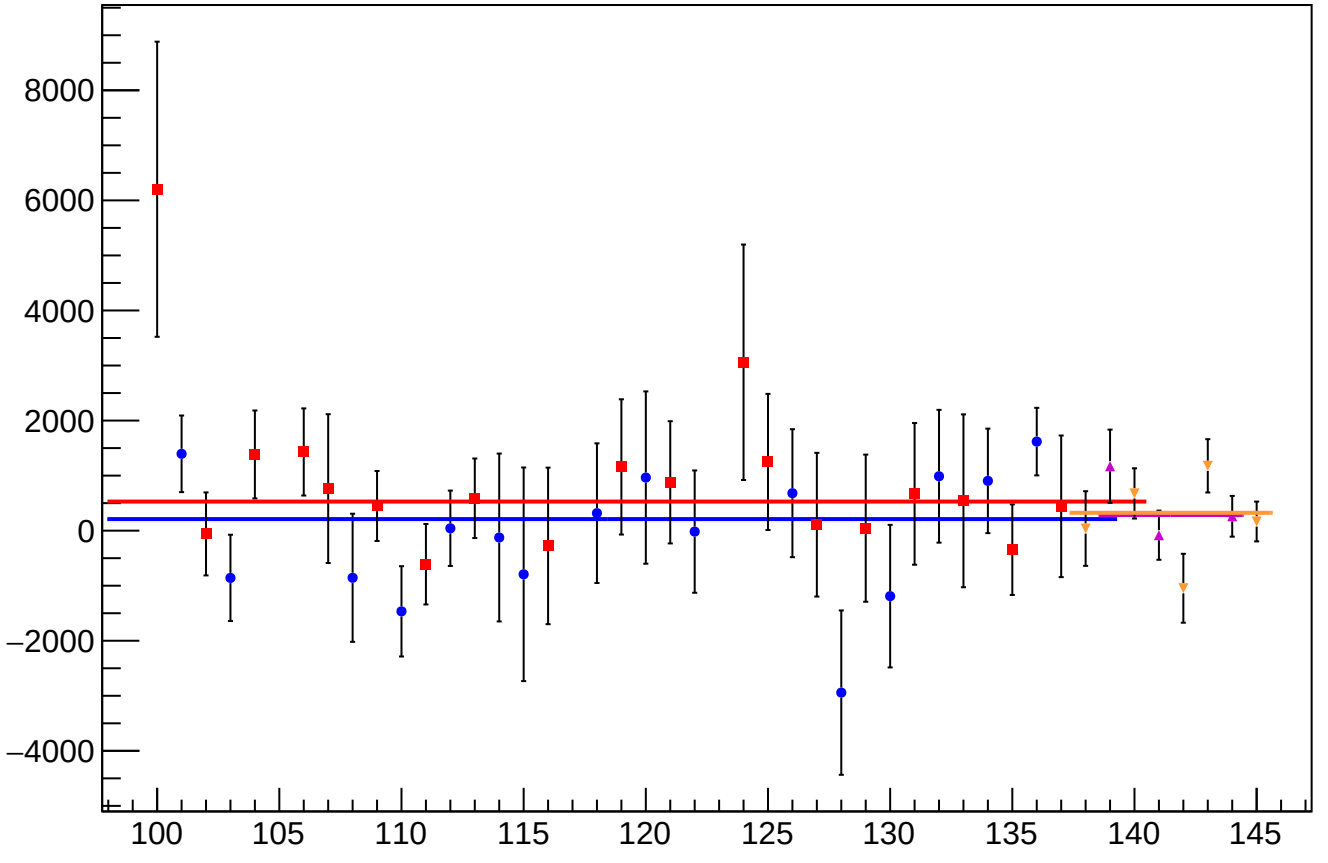
Left In: 53.605+/-0.024 χ^2/NDF:45891.0/2

+ sign 60.967+/-0.013 χ^2/NDF: 823779.7/20

All: 61.115+/-0.010 χ^2/NDF: 1347029.7/42

- sign 61.274+/-0.014 χ^2/NDF: 522999.5/21

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

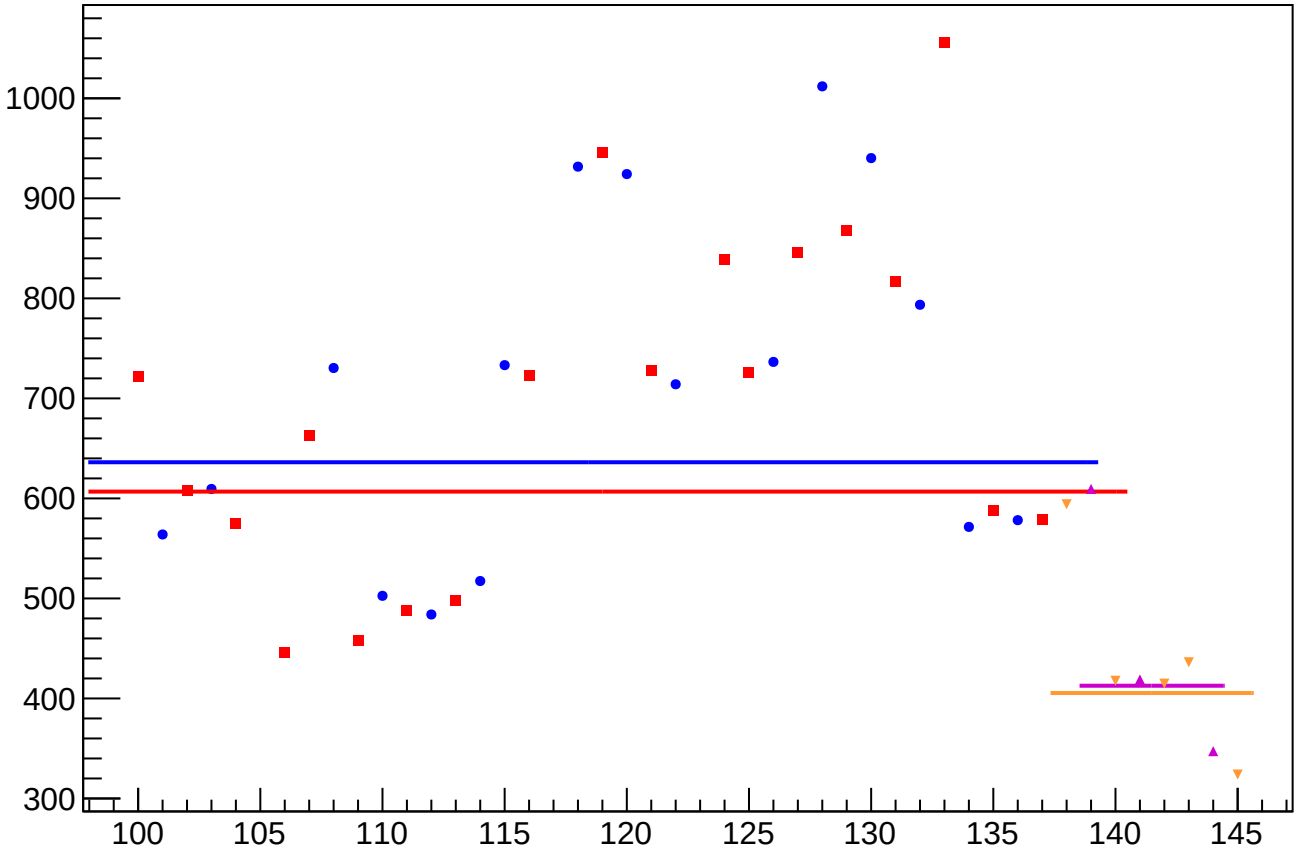
Left In: 284.470+/-262.118 χ^2/NDF:2.5/2

\+ sign 274.207+/-161.637 χ^2/NDF: 31.4/20

All: 343.485+/-118.026 χ^2/NDF: 48.6/42

\- sign 422.611+/-172.744 χ^2/NDF: 16.8/21

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

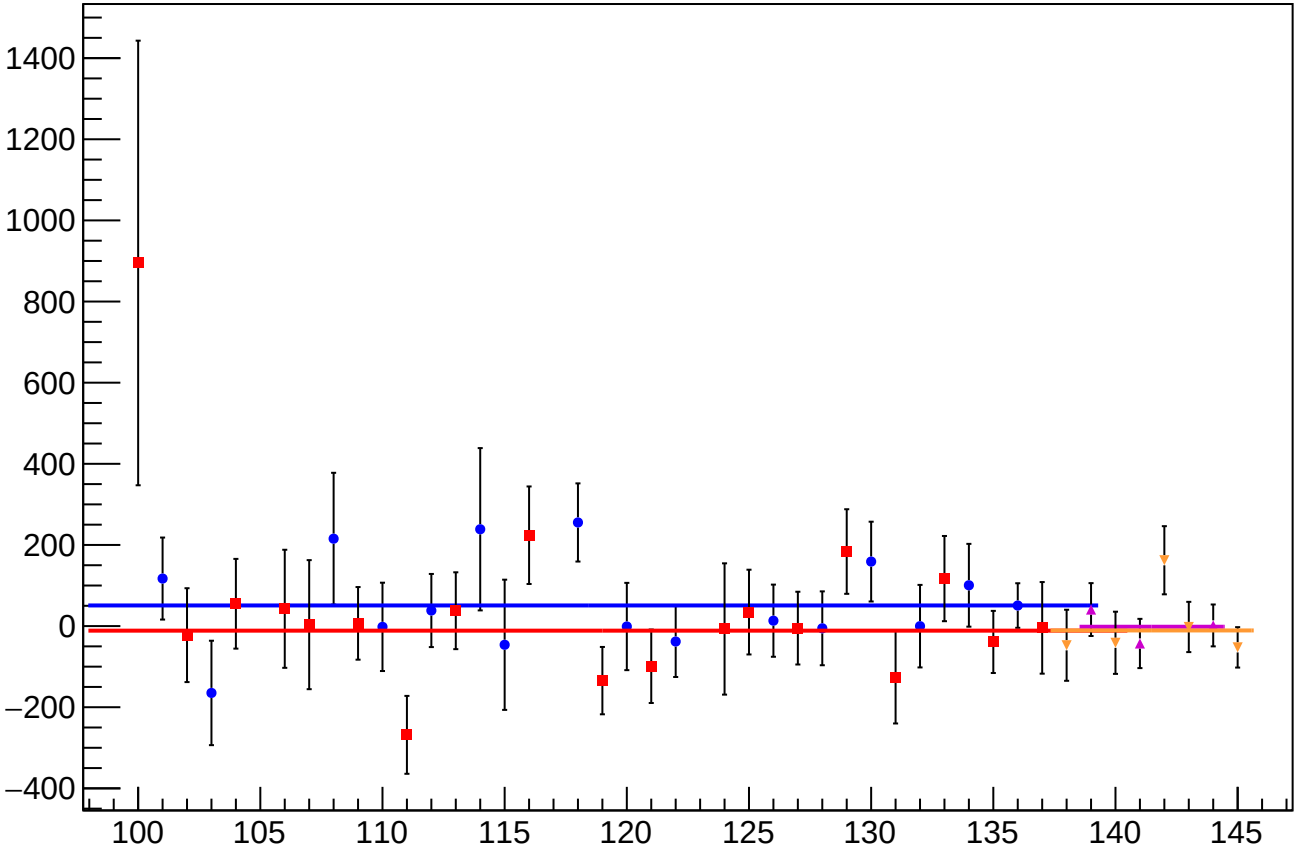
Left In: 412.725+/-0.185 χ^2/NDF:237883.7/2

+ sign 506.851+/-0.114 χ^2/NDF: 1975511.5/20

All: 514.161+/-0.083 χ^2/NDF: 3736270.6/42

- sign 522.510+/-0.122 χ^2/NDF: 1751997.0/21

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

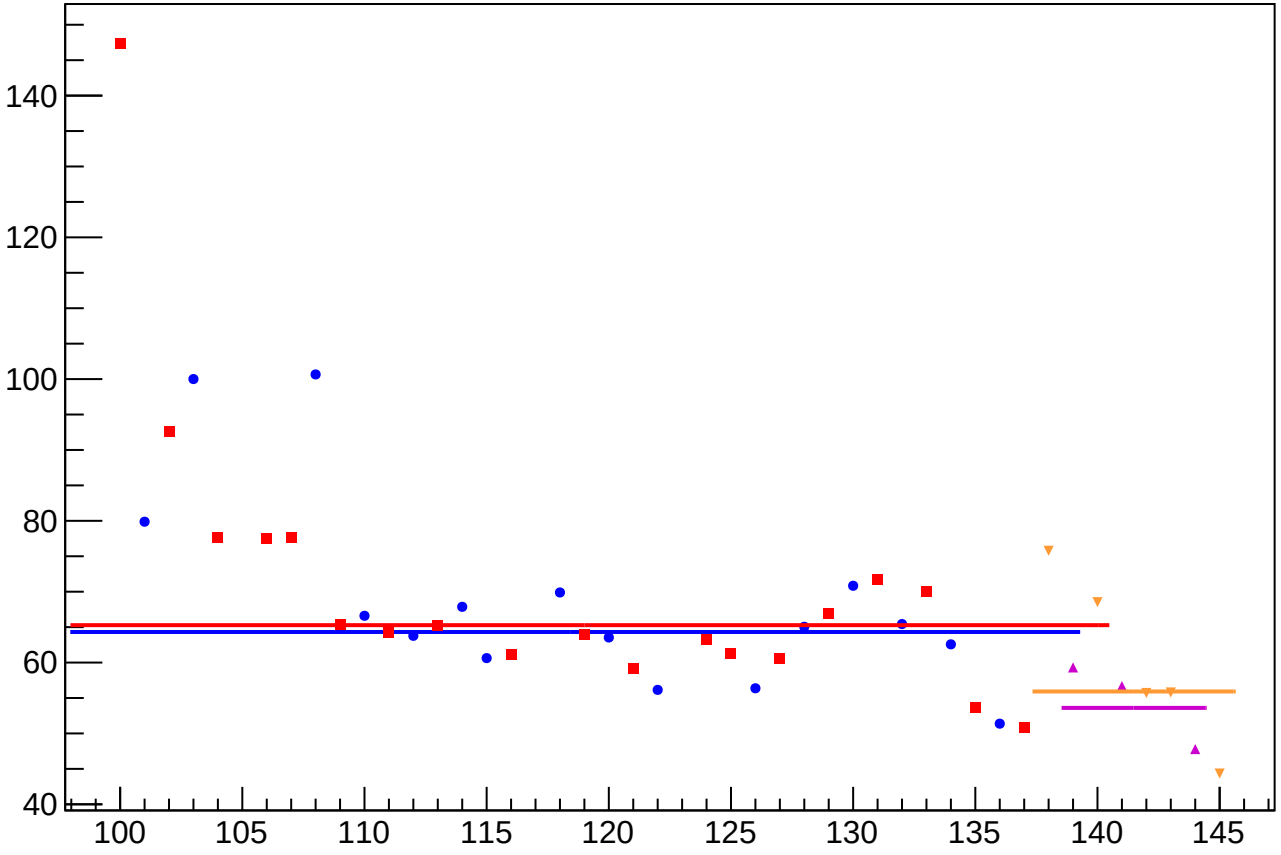
Left In: -1.636+/-33.663 χ^2/NDF:0.9/2

+ sign 26.286+/-18.990 χ^2/NDF: 21.6/20

All: 9.806+/-13.677 χ^2/NDF: 48.1/42

- sign -7.959+/-19.716 χ^2/NDF: 25.0/21

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

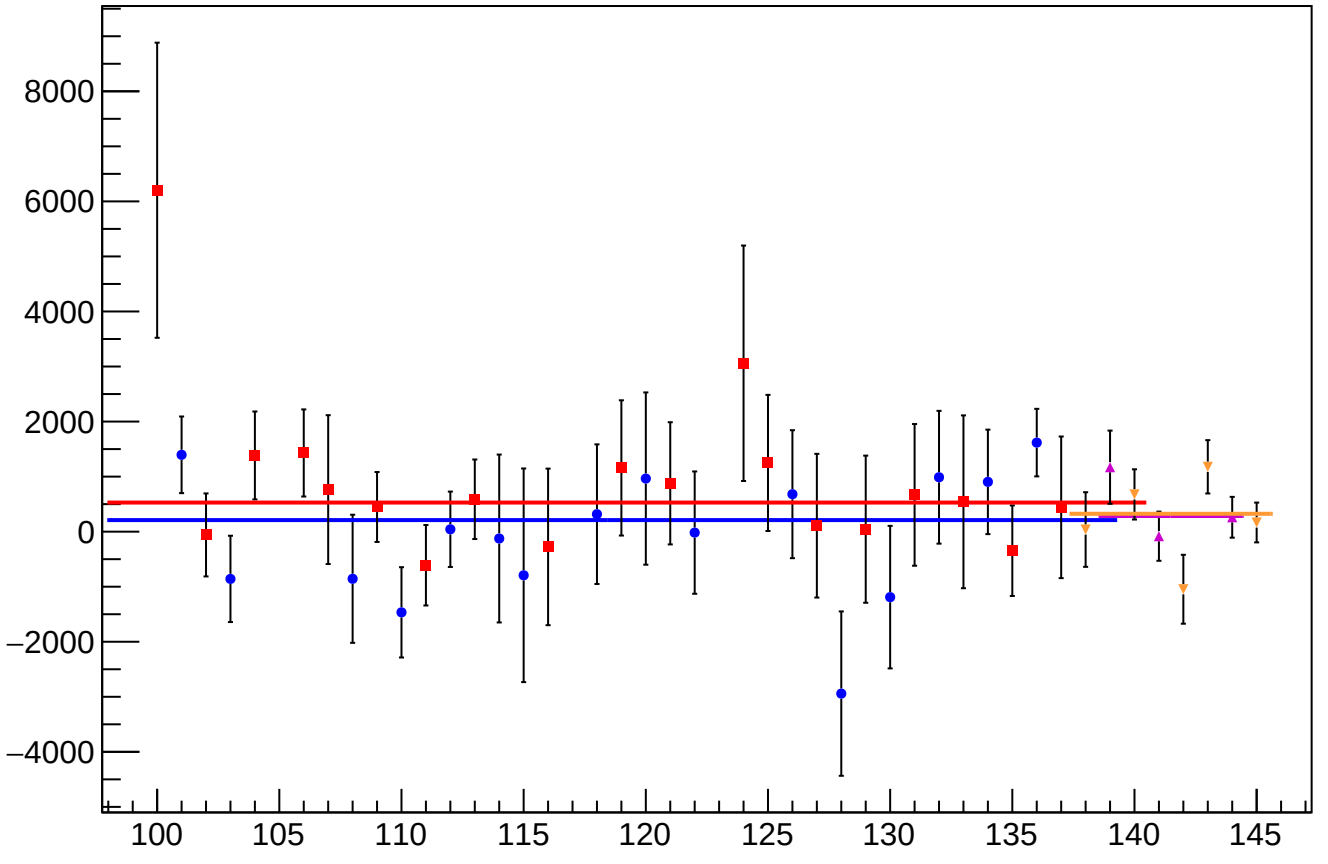
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 53.605+/-0.024 χ^2/NDF:45886.9/2

+ sign 60.967+/-0.013 χ^2/NDF: 823758.0/20

All: 61.115+/-0.010 χ^2/NDF: 1347004.3/42

- sign 61.274+/-0.014 χ^2/NDF: 522995.9/21



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 324.553+/-215.913 χ^2/NDF:8.9/4

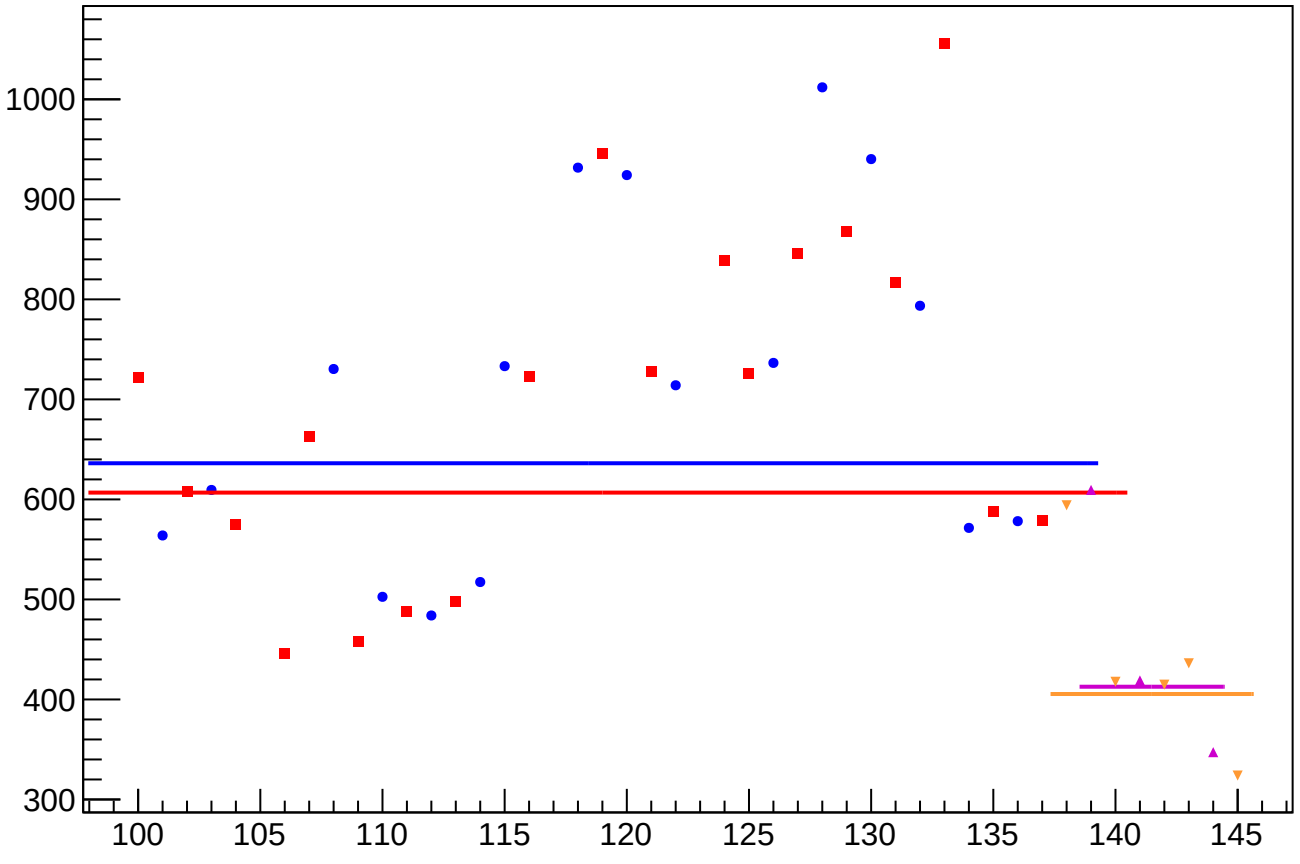
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 284.470+/-262.117 χ^2/NDF:2.5/2

\+ sign 274.207+/-161.637 χ^2/NDF: 31.4/20

All: 343.484+/-118.026 χ^2/NDF: 48.6/42

\- sign 422.610+/-172.744 χ^2/NDF: 16.8/21



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

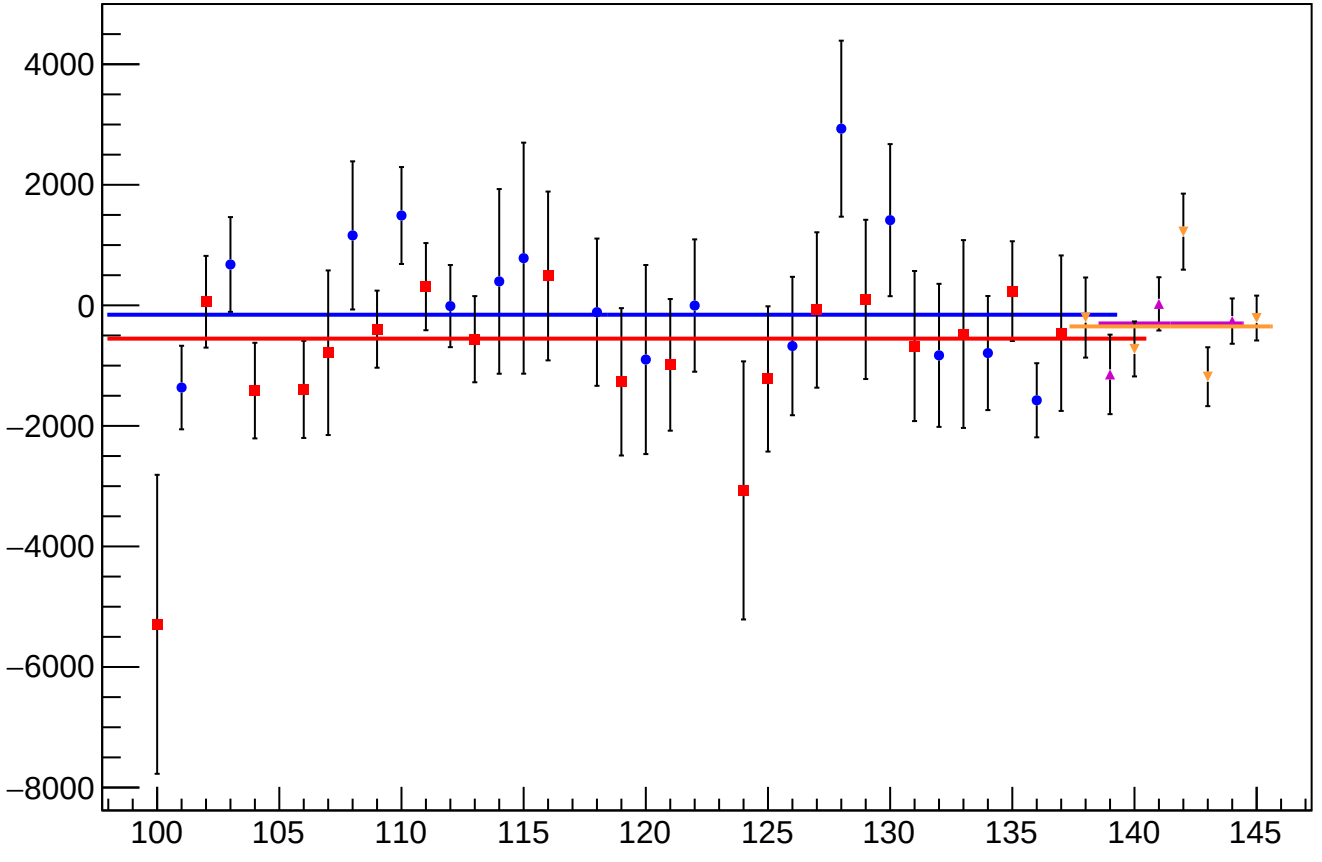
Left In: 412.724+/-0.185 χ^2/NDF:237883.4/2

+ sign 506.850+/-0.114 χ^2/NDF: 1975525.2/20

All: 514.160+/-0.083 χ^2/NDF: 3736290.7/42

- sign 522.509+/-0.122 χ^2/NDF: 1752003.1/21

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

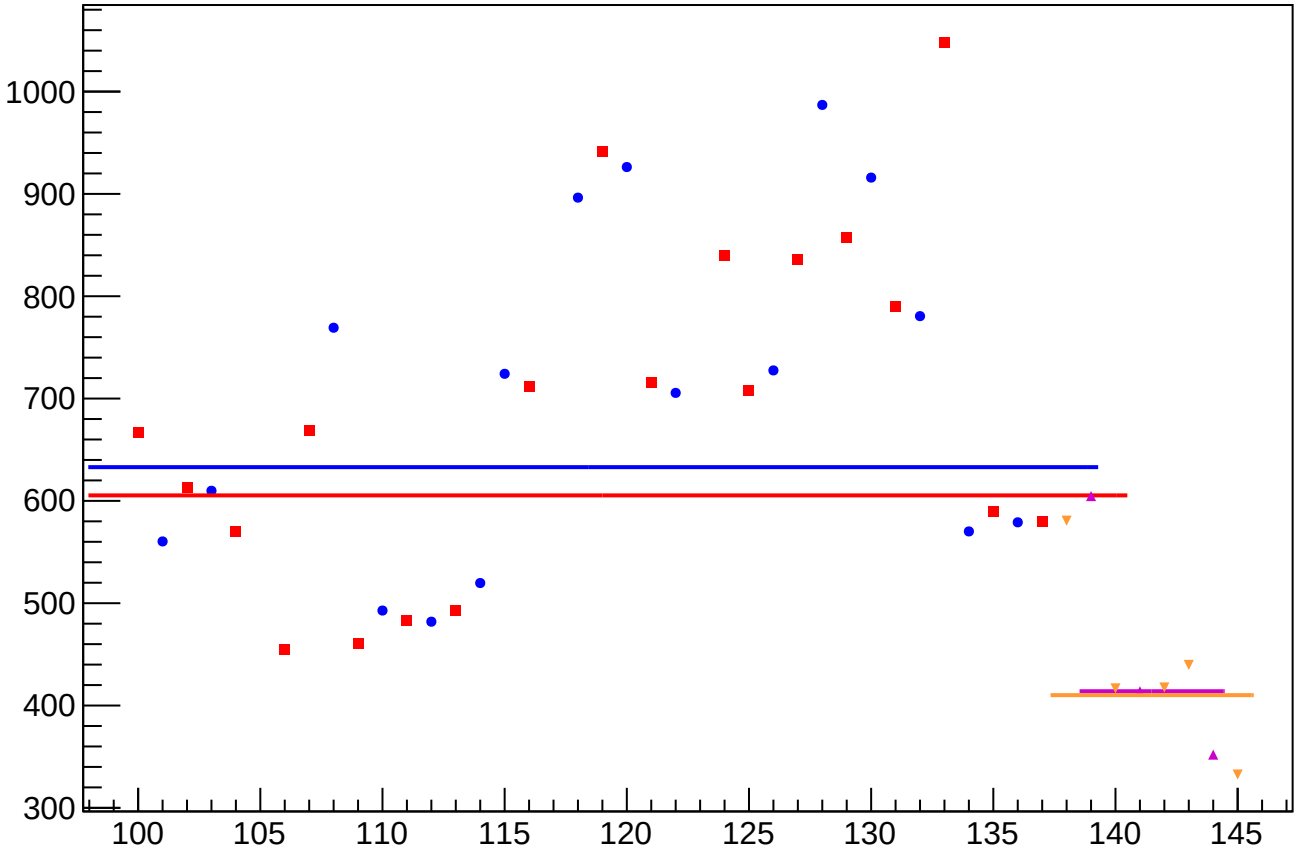
Left In: -300.651+/-262.653 χ^2/NDF:2.2/2

+ sign -262.925+/-162.247 χ^2/NDF: 32.8/20

All: -347.706+/-118.204 χ^2/NDF: 48.3/42

- sign -443.609+/-172.560 χ^2/NDF: 14.8/21

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

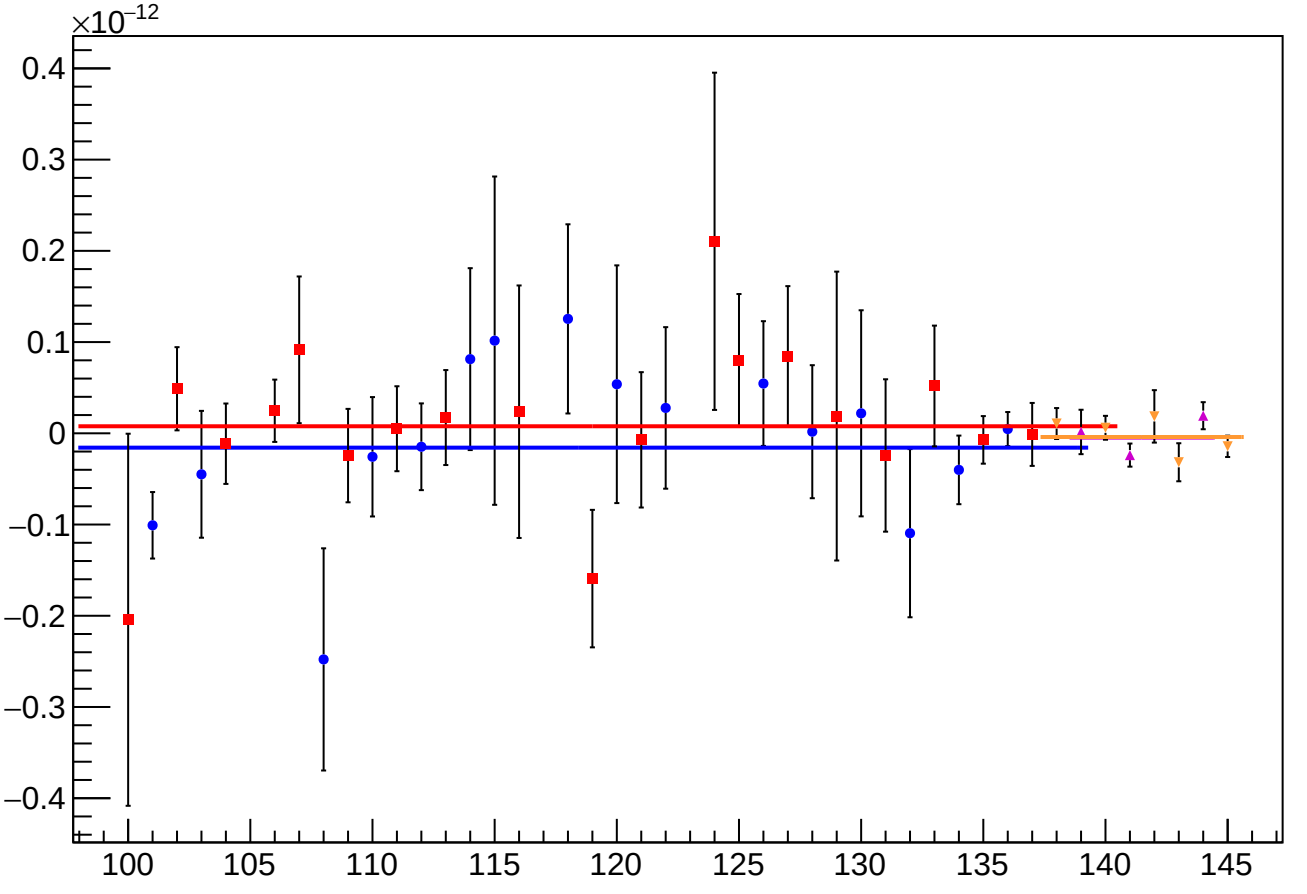
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 413.979+/-0.186 χ^2/NDF:221599.4/2

+ sign 509.816+/-0.115 χ^2/NDF: 1840168.7/20

All: 515.890+/-0.084 χ^2/NDF: 3525340.1/42

- sign 522.761+/-0.122 χ^2/NDF: 1679198.2/21



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

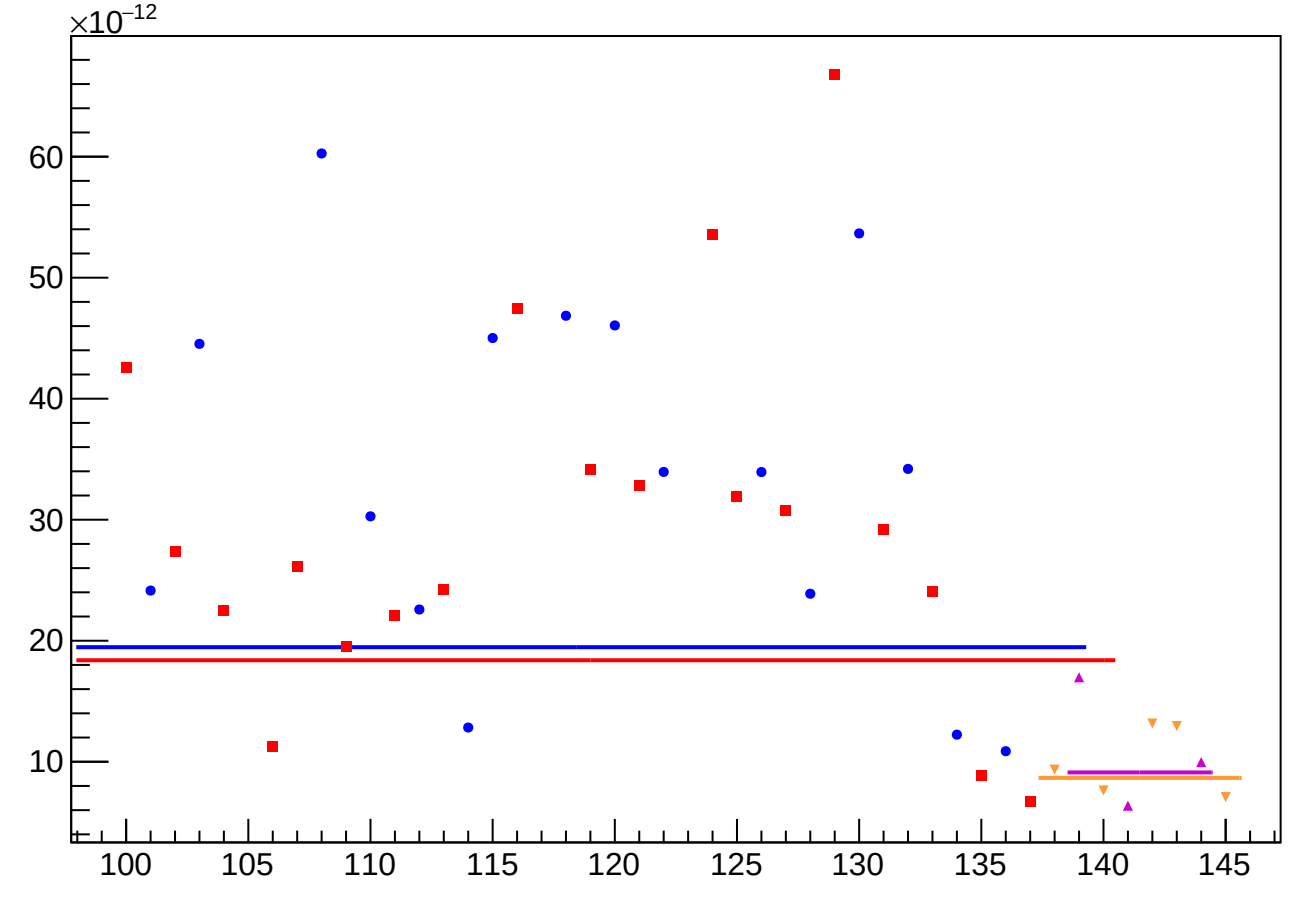
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 22.1/20

All: -0.000+/-0.000 χ^2/NDF: 41.2/42

- sign -0.000+/-0.000 χ^2/NDF: 18.6/21



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

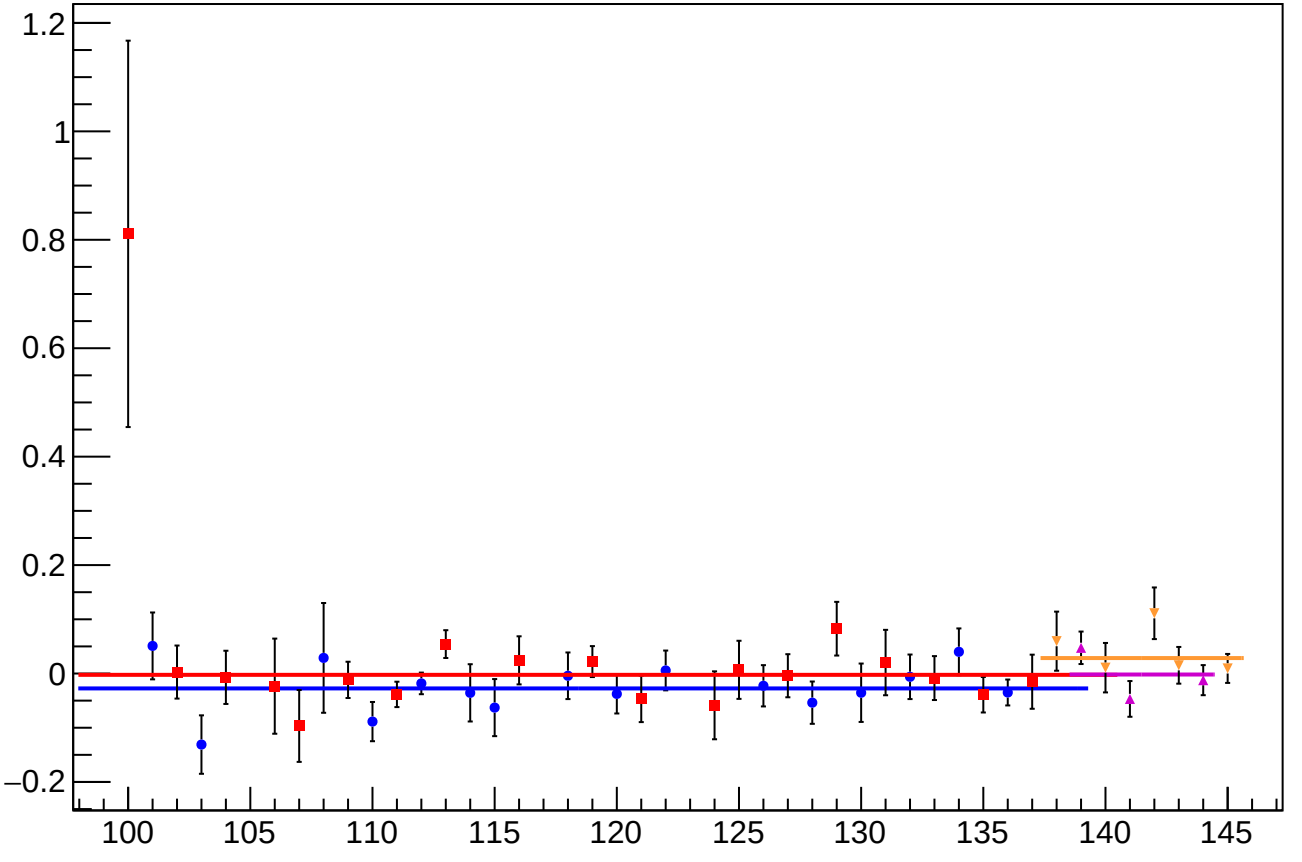
Left In: 0.000+/-0.000 χ^2/NDF:309833.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 3039018.5/20

All: 0.000+/-0.000 χ^2/NDF: 5575899.9/42

- sign 0.000+/-0.000 χ^2/NDF: 2508284.7/21

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

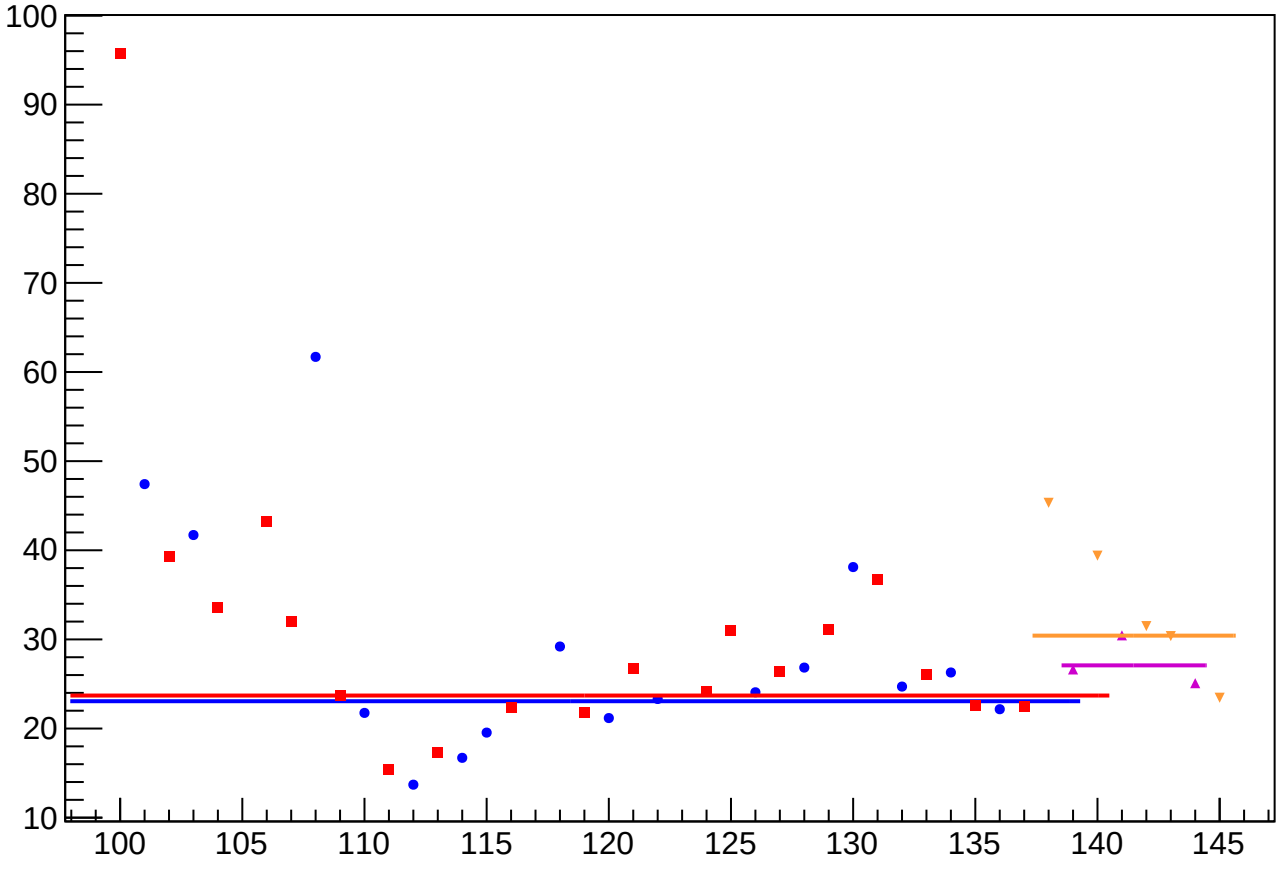
Left In: -0.002+/-0.017 χ^2/NDF:4.7/2

+ sign -0.014+/-0.008 χ^2/NDF: 26.3/20

All: -0.008+/-0.006 χ^2/NDF: 54.1/42

- sign -0.002+/-0.008 χ^2/NDF: 26.8/21

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

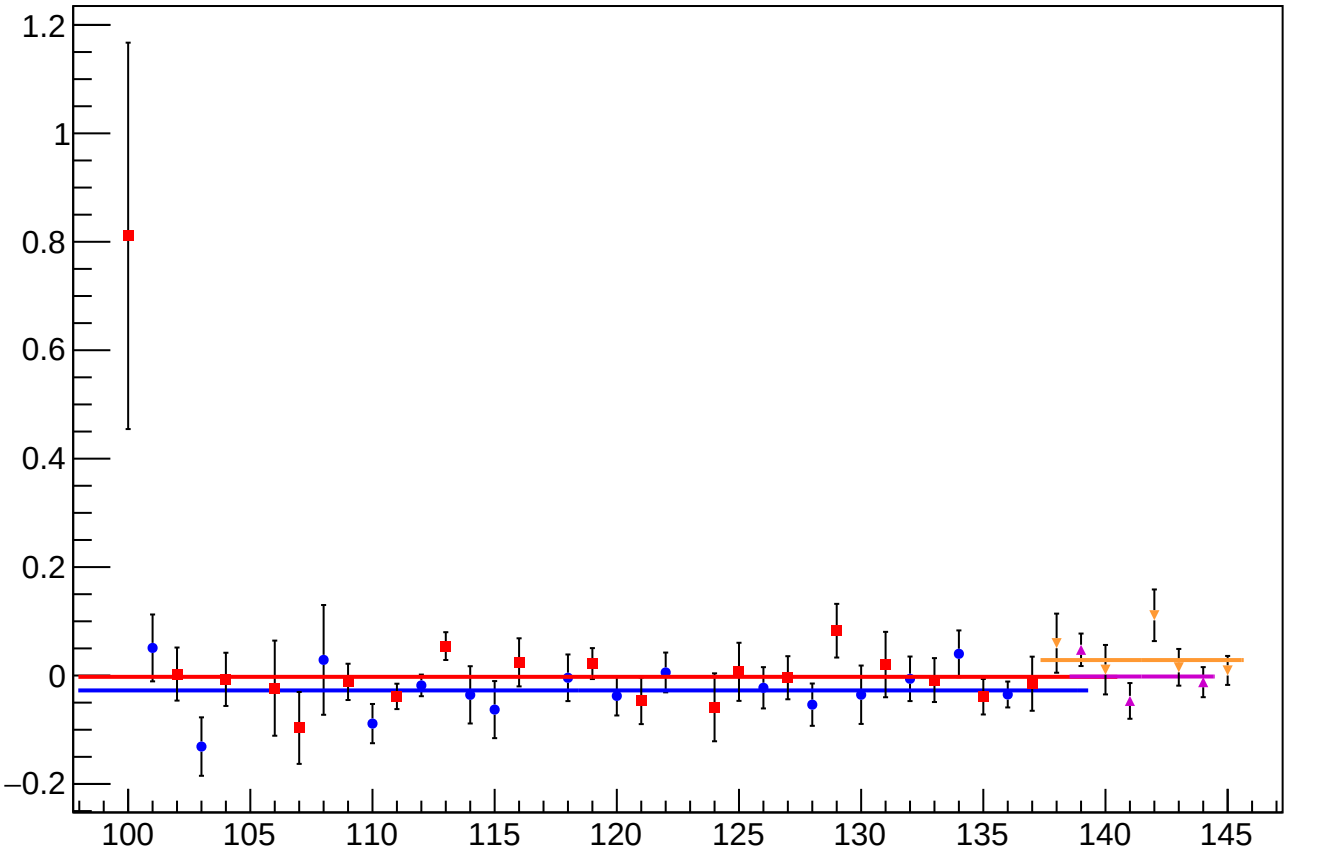
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.088+/-0.012 χ^2/NDF:31751.4/2

+ sign 24.813+/-0.006 χ^2/NDF: 2219774.3/20

All: 24.636+/-0.004 χ^2/NDF: 3401240.9/42

- sign 24.459+/-0.006 χ^2/NDF: 1179597.5/21



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

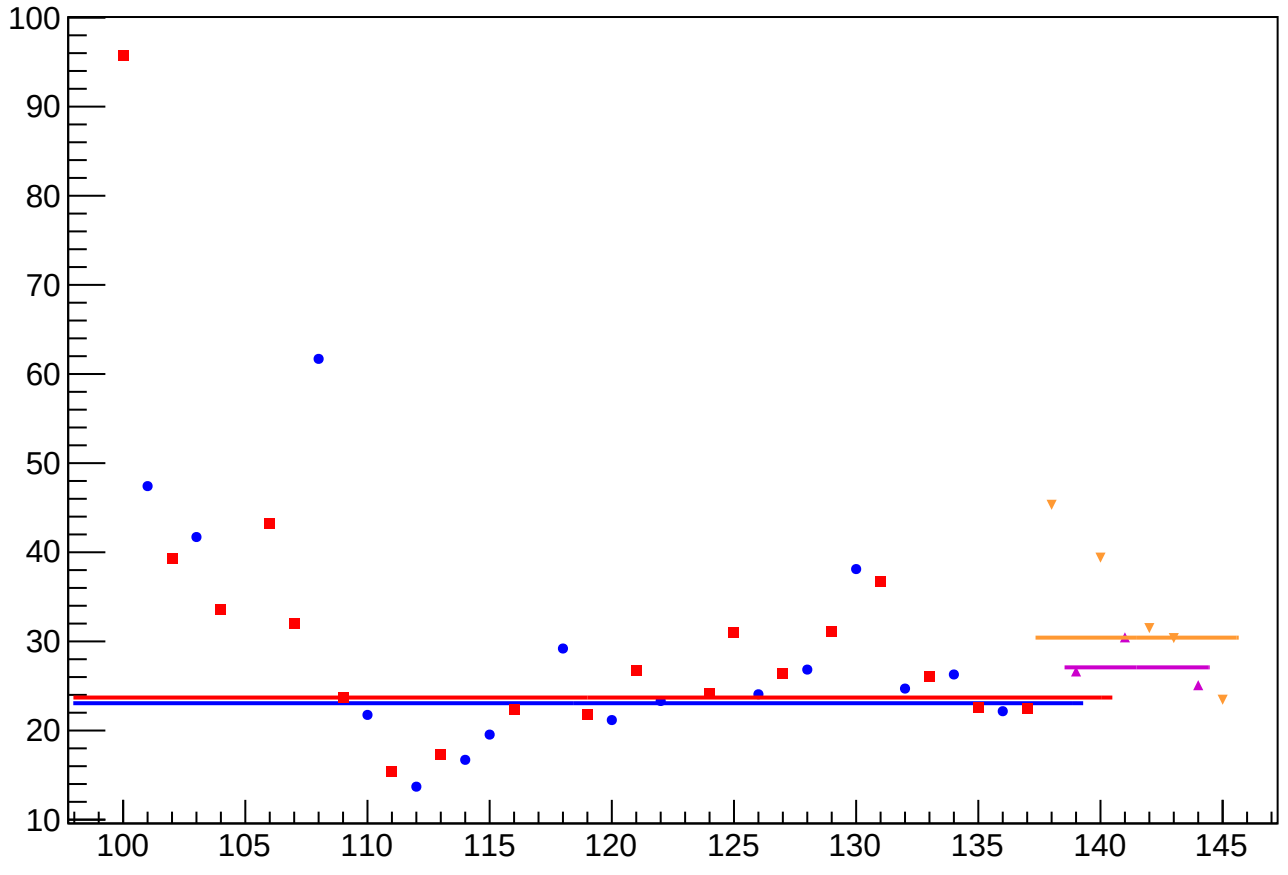
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.017 χ^2/NDF:4.7/2

+ sign -0.014+/-0.008 χ^2/NDF: 26.3/20

All: -0.008+/-0.006 χ^2/NDF: 54.1/42

- sign -0.002+/-0.008 χ^2/NDF: 26.8/21



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 30.424+/-0.012 χ^2/NDF:363807.9/4

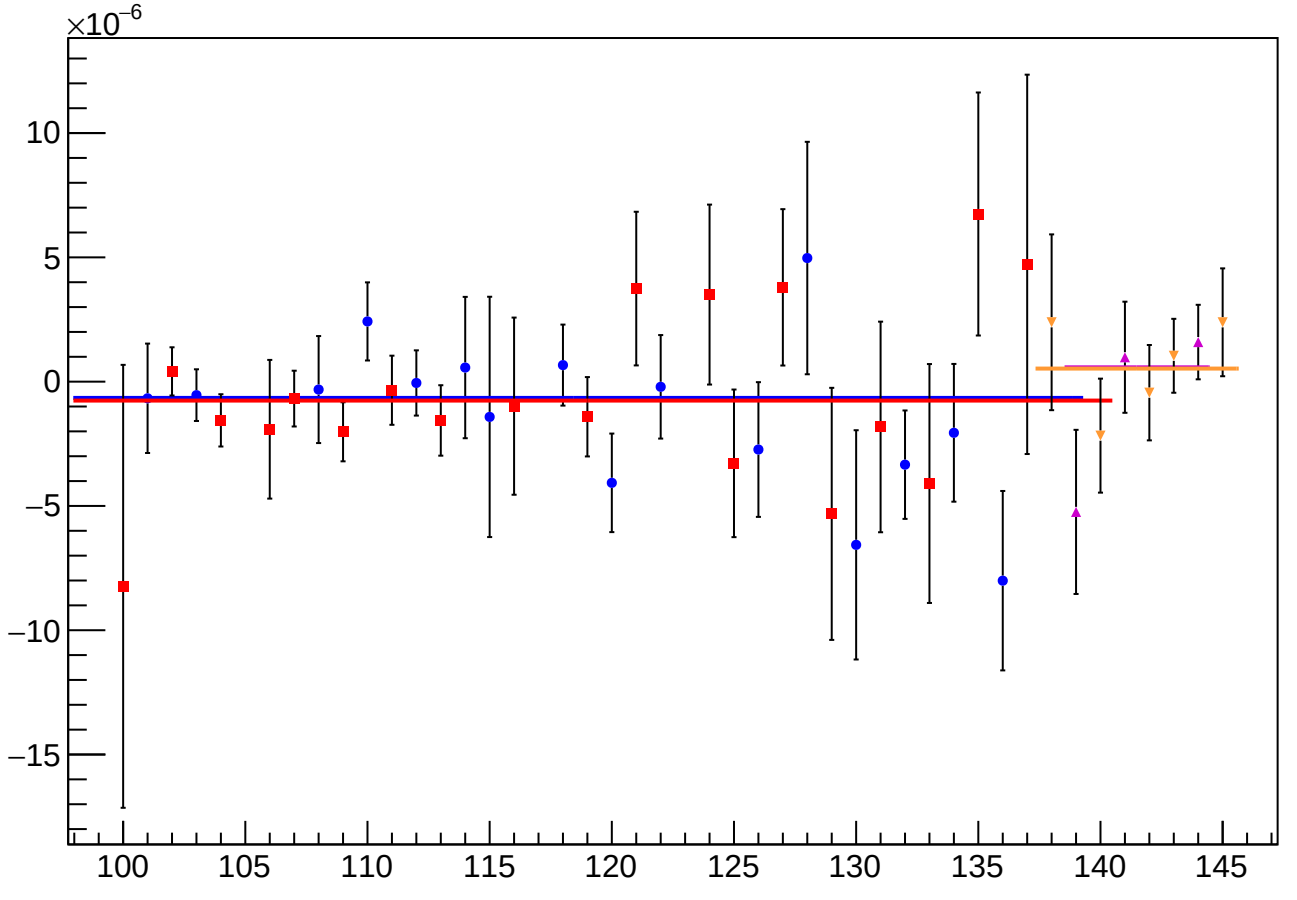
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.088+/-0.012 χ^2/NDF:31751.4/2

\+ sign 24.813+/-0.006 χ^2/NDF: 2219774.3/20

All: 24.636+/-0.004 χ^2/NDF: 3401240.9/42

\- sign 24.459+/-0.006 χ^2/NDF: 1179597.5/21



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/4

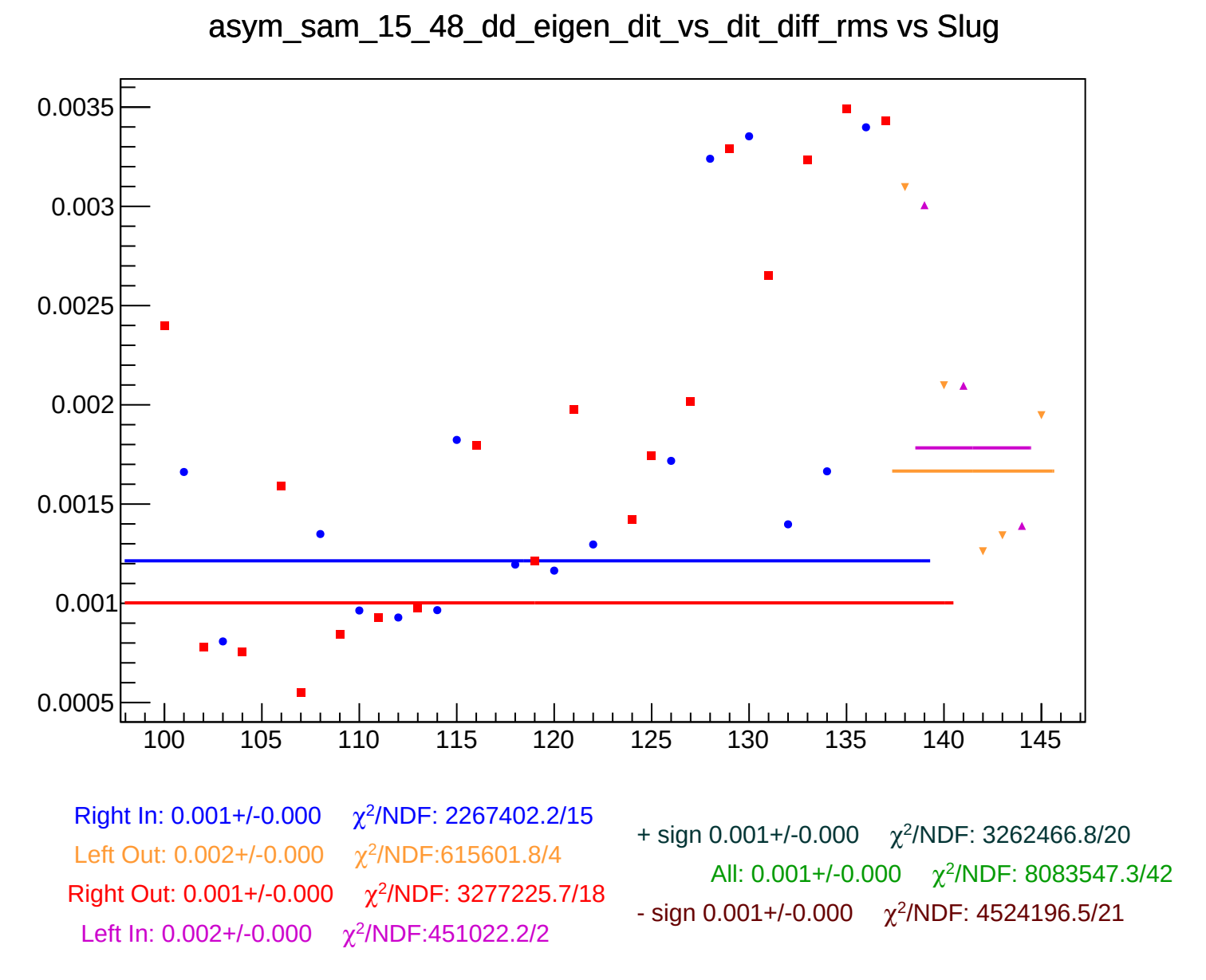
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

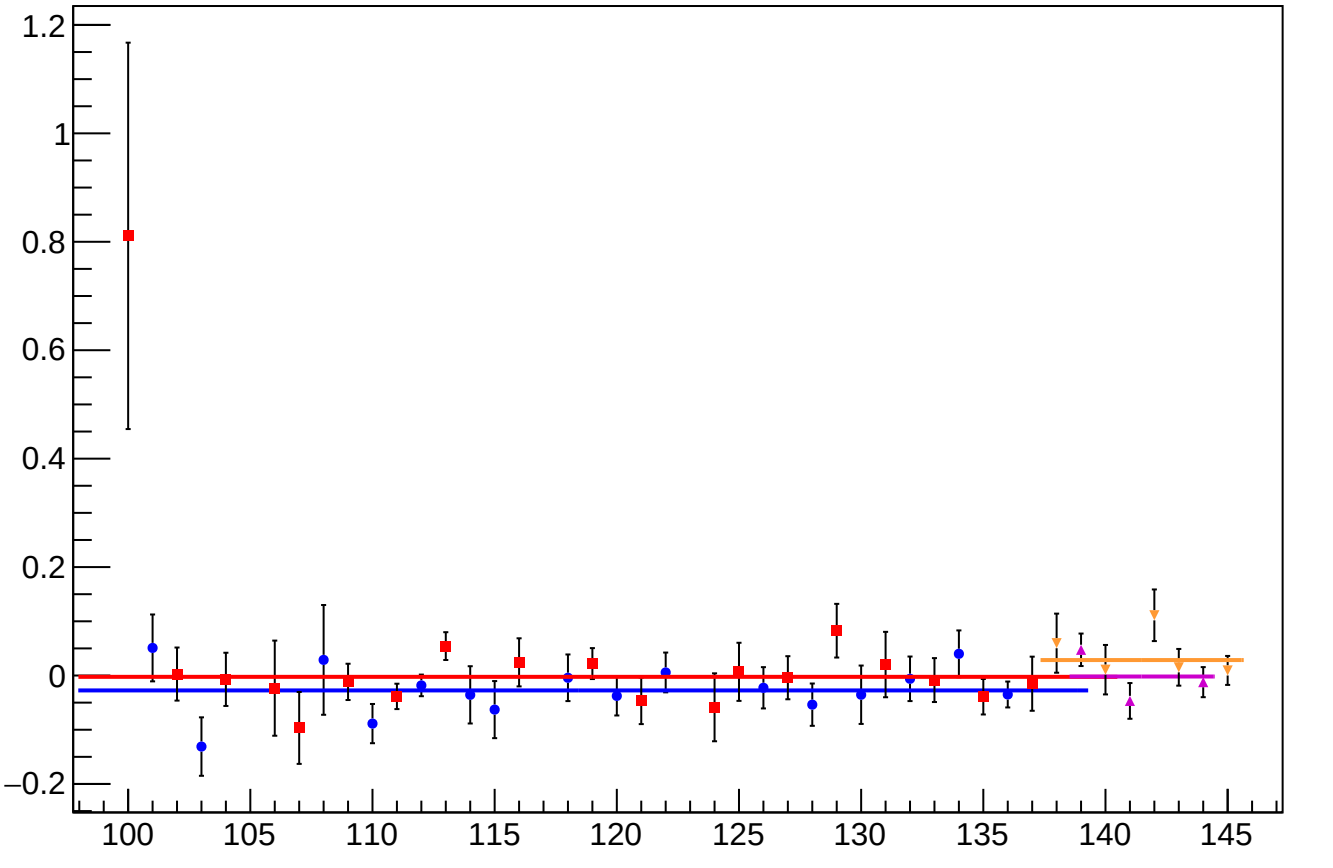
Left In: 0.000+/-0.000 χ^2/NDF:3.6/2

\+ sign -0.000+/-0.000 χ^2/NDF: 21.6/20

All: -0.000+/-0.000 χ^2/NDF: 41.7/42

\- sign -0.000+/-0.000 χ^2/NDF: 19.9/21


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
105
110
115
120
125
130
135
140
145
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: 0.002+/-0.000 χ²/NDF:451022.2/2
+ sign 0.001+/-0.000 χ²/NDF: 3262466.8/20
All: 0.001+/-0.000 χ²/NDF: 8083547.3/42
- sign 0.001+/-0.000 χ²/NDF: 4524196.5/21



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

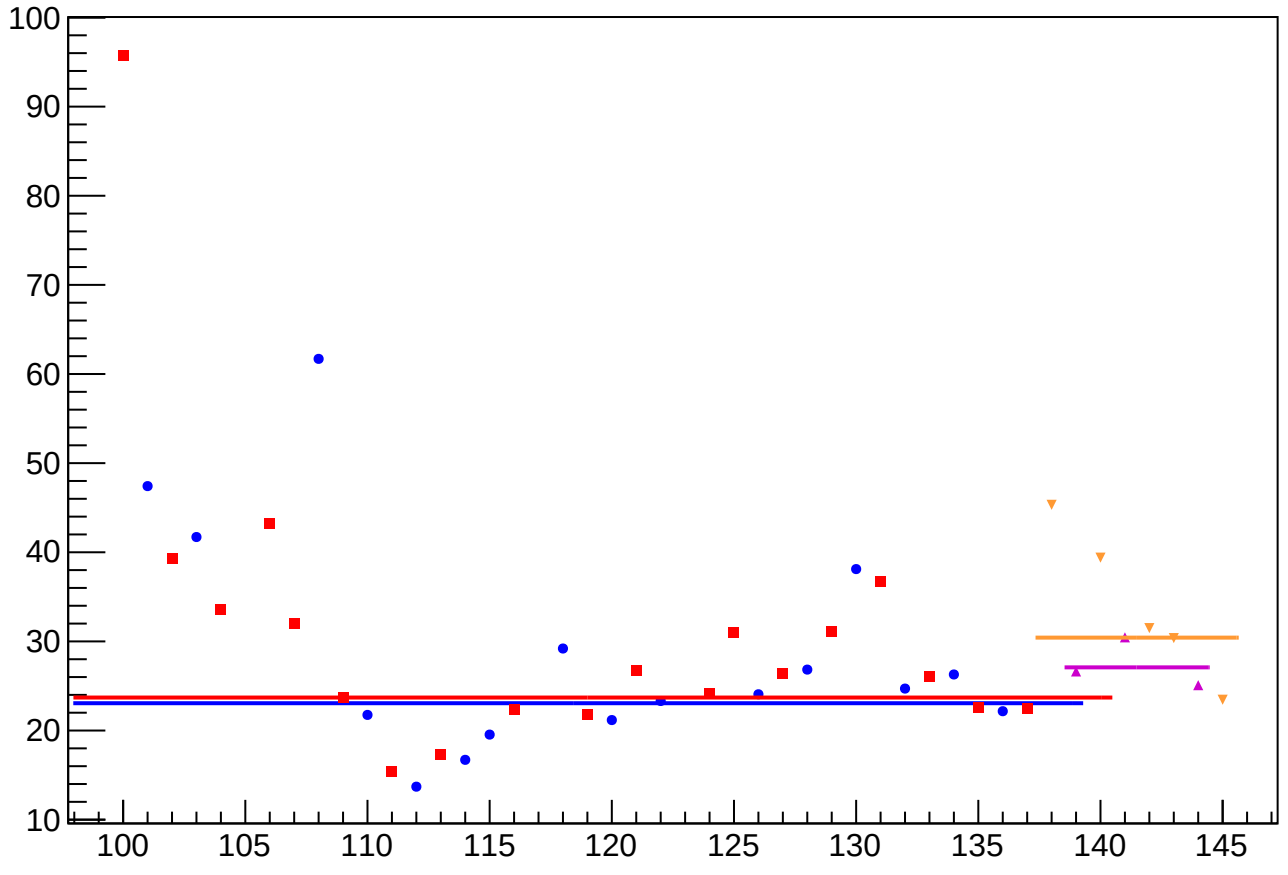
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.017 χ^2/NDF:4.7/2

+ sign -0.014+/-0.008 χ^2/NDF: 26.3/20

All: -0.008+/-0.006 χ^2/NDF: 54.1/42

- sign -0.002+/-0.008 χ^2/NDF: 26.8/21



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 30.425+/-0.012 χ^2/NDF:363757.0/4

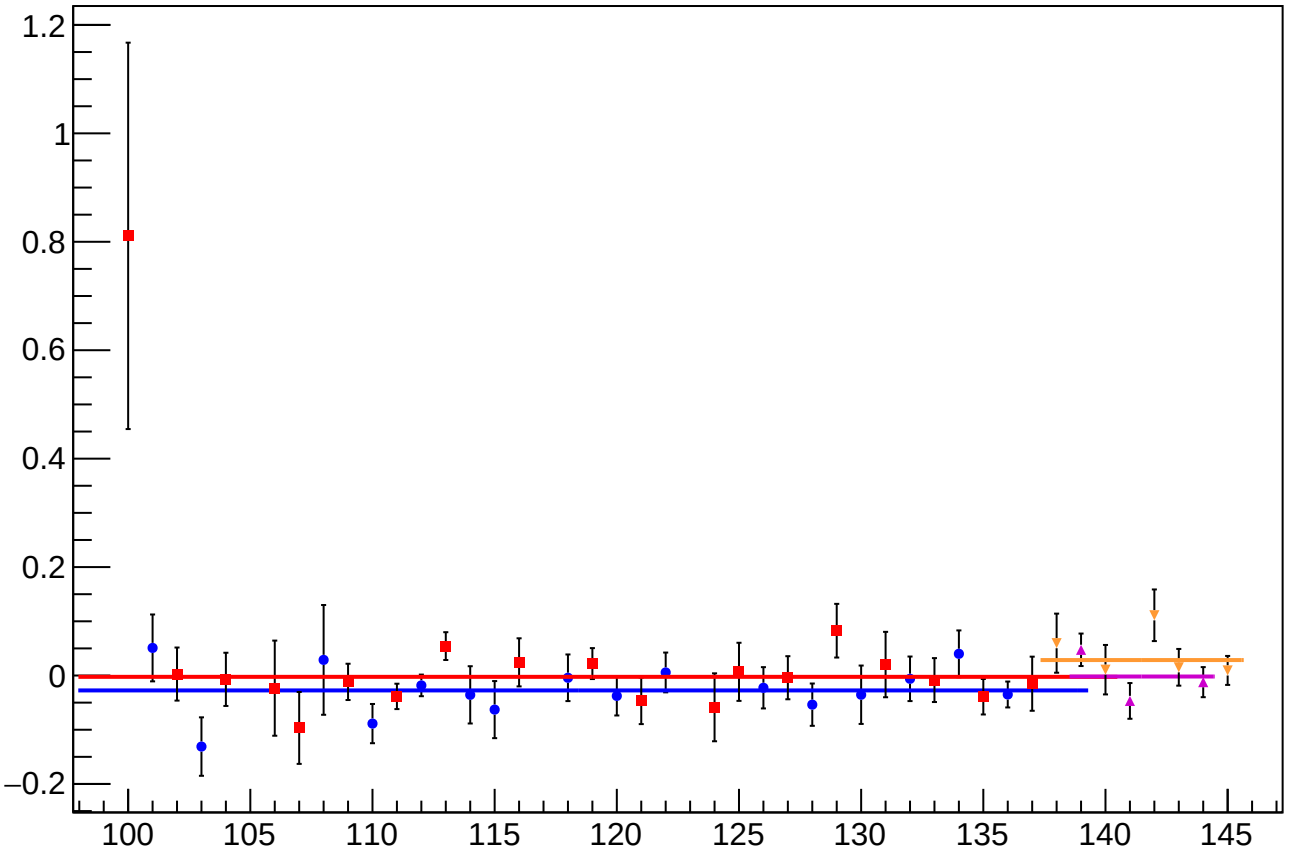
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.087+/-0.012 χ^2/NDF:31748.6/2

+ sign 24.813+/-0.006 χ^2/NDF: 2219789.8/20

All: 24.636+/-0.004 χ^2/NDF: 3401297.7/42

- sign 24.459+/-0.006 χ^2/NDF: 1179637.5/21



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

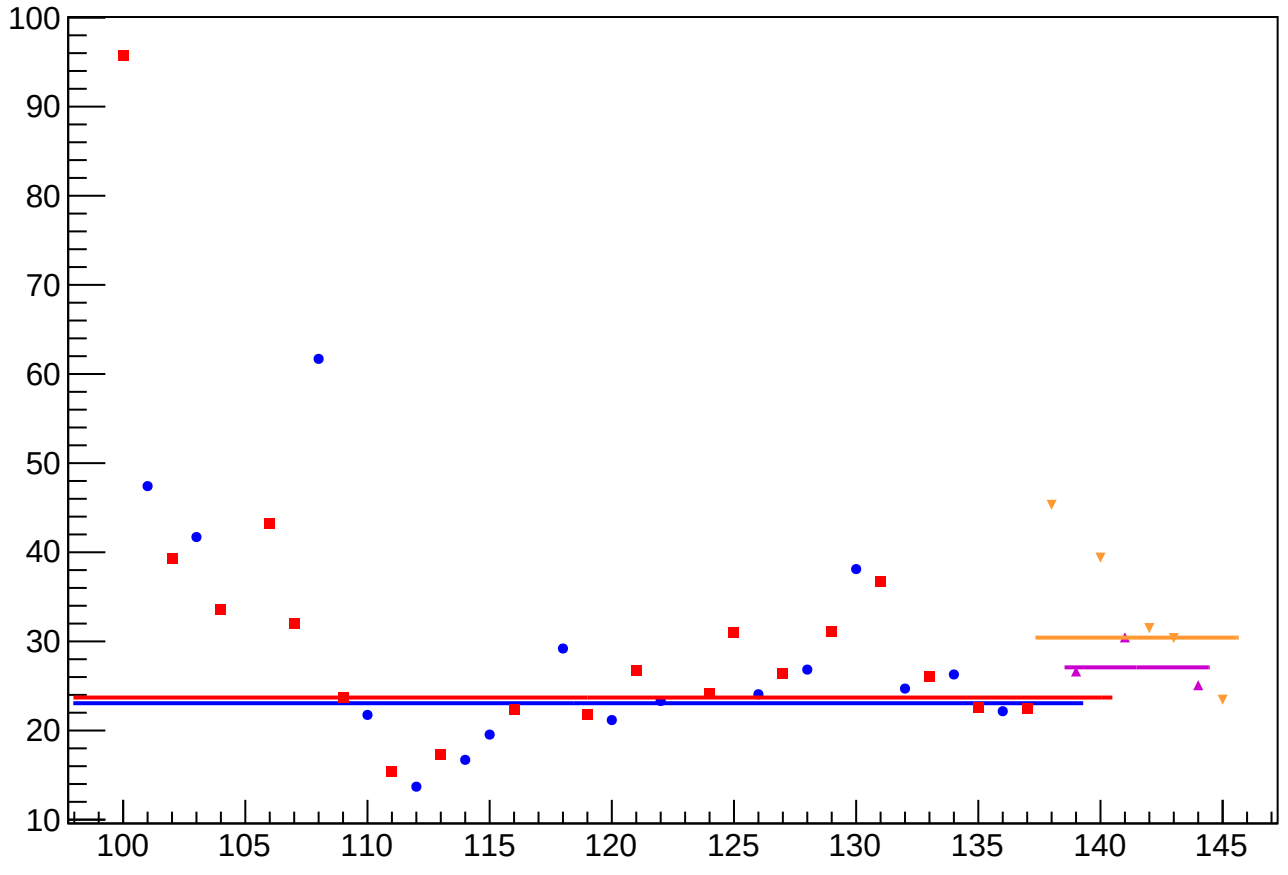
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.017 χ^2/NDF:4.7/2

+ sign -0.014+/-0.008 χ^2/NDF: 26.3/20

All: -0.008+/-0.006 χ^2/NDF: 54.1/42

- sign -0.002+/-0.008 χ^2/NDF: 26.8/21



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 30.425+/-0.012 χ^2/NDF:363757.0/4

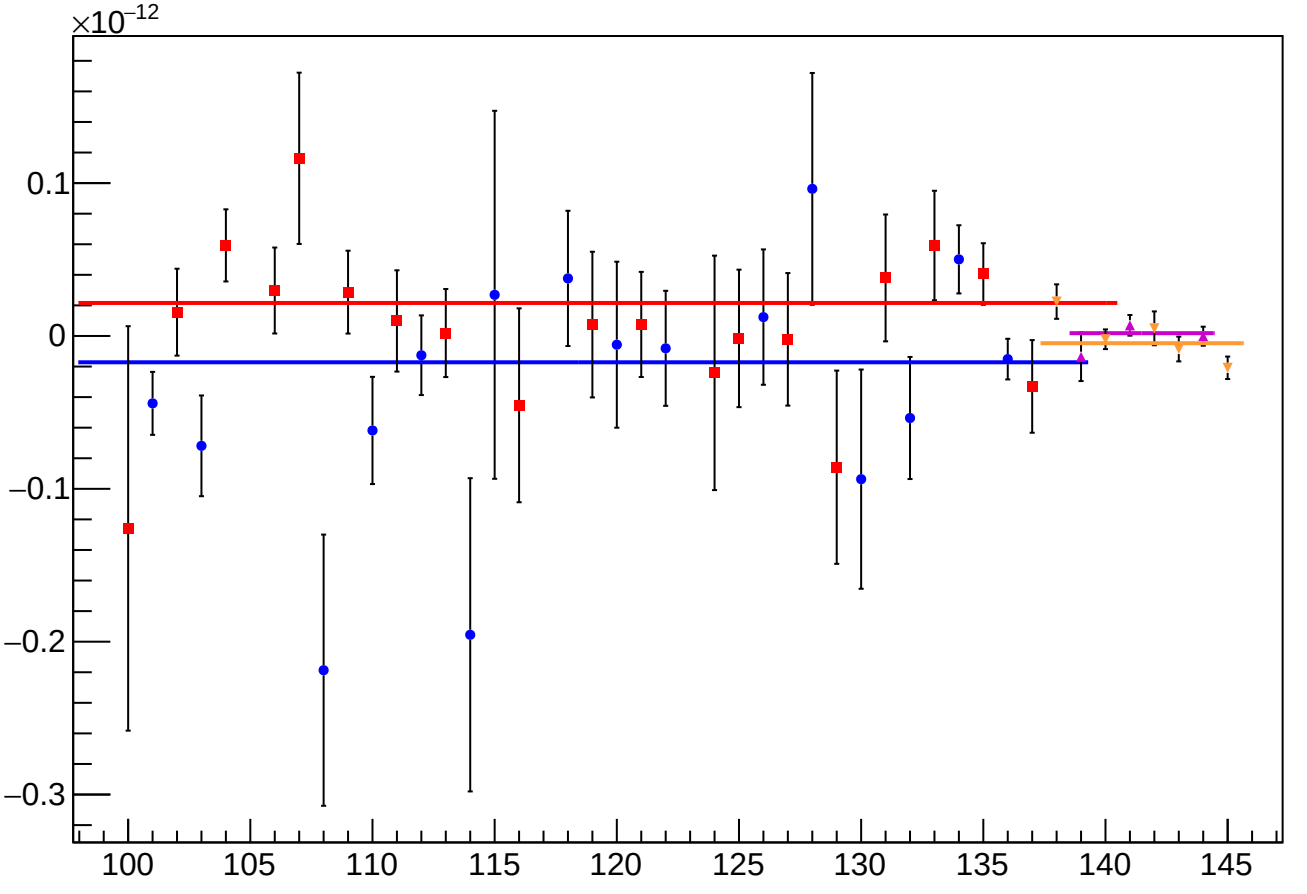
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.087+/-0.012 χ^2/NDF:31748.6/2

+ sign 24.813+/-0.006 χ^2/NDF: 2219789.8/20

All: 24.636+/-0.004 χ^2/NDF: 3401297.7/42

- sign 24.459+/-0.006 χ^2/NDF: 1179637.5/21



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/4

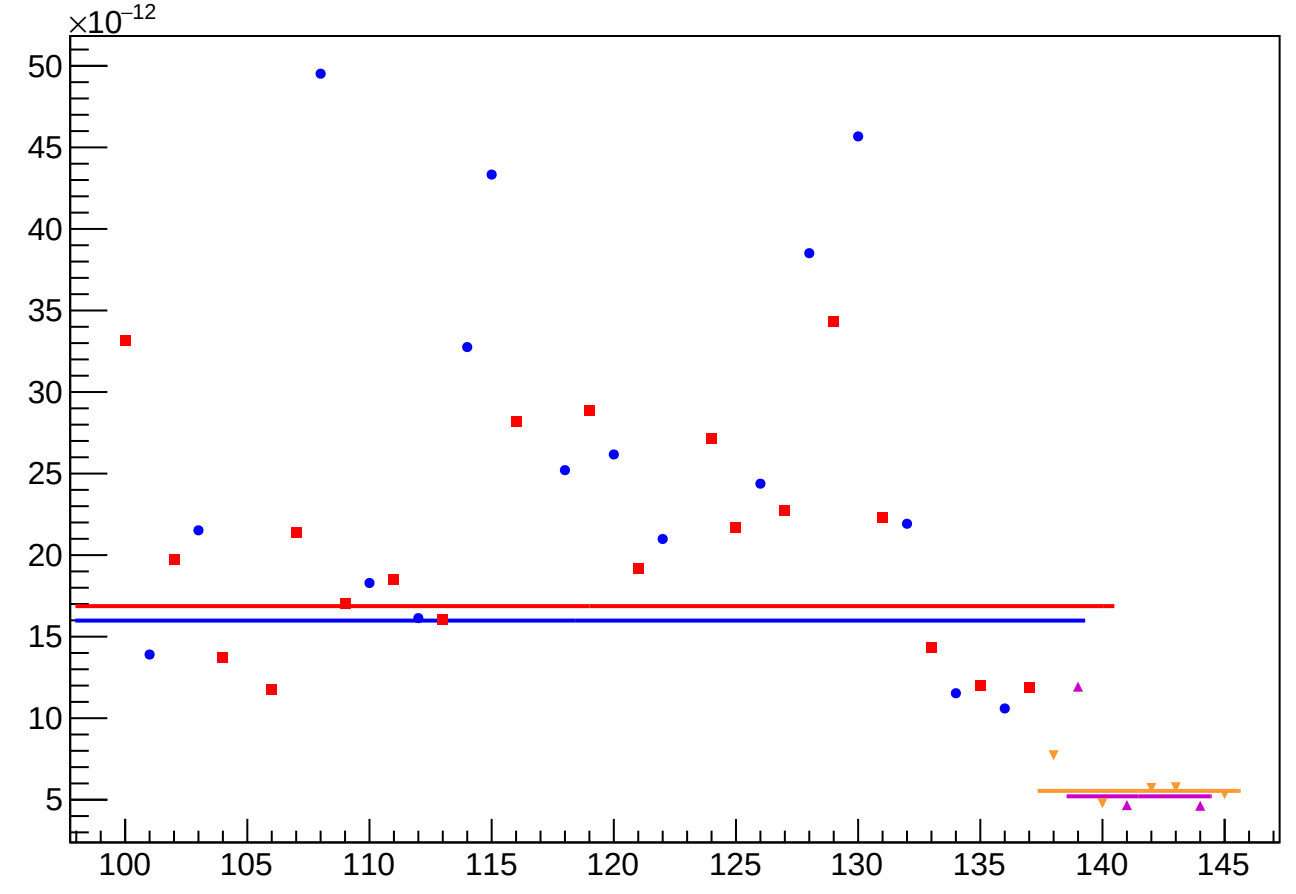
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/2

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/20

All: -0.000+/-0.000 χ^2/NDF: 75.3/42

- sign 0.000+/-0.000 χ^2/NDF: 24.4/21



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

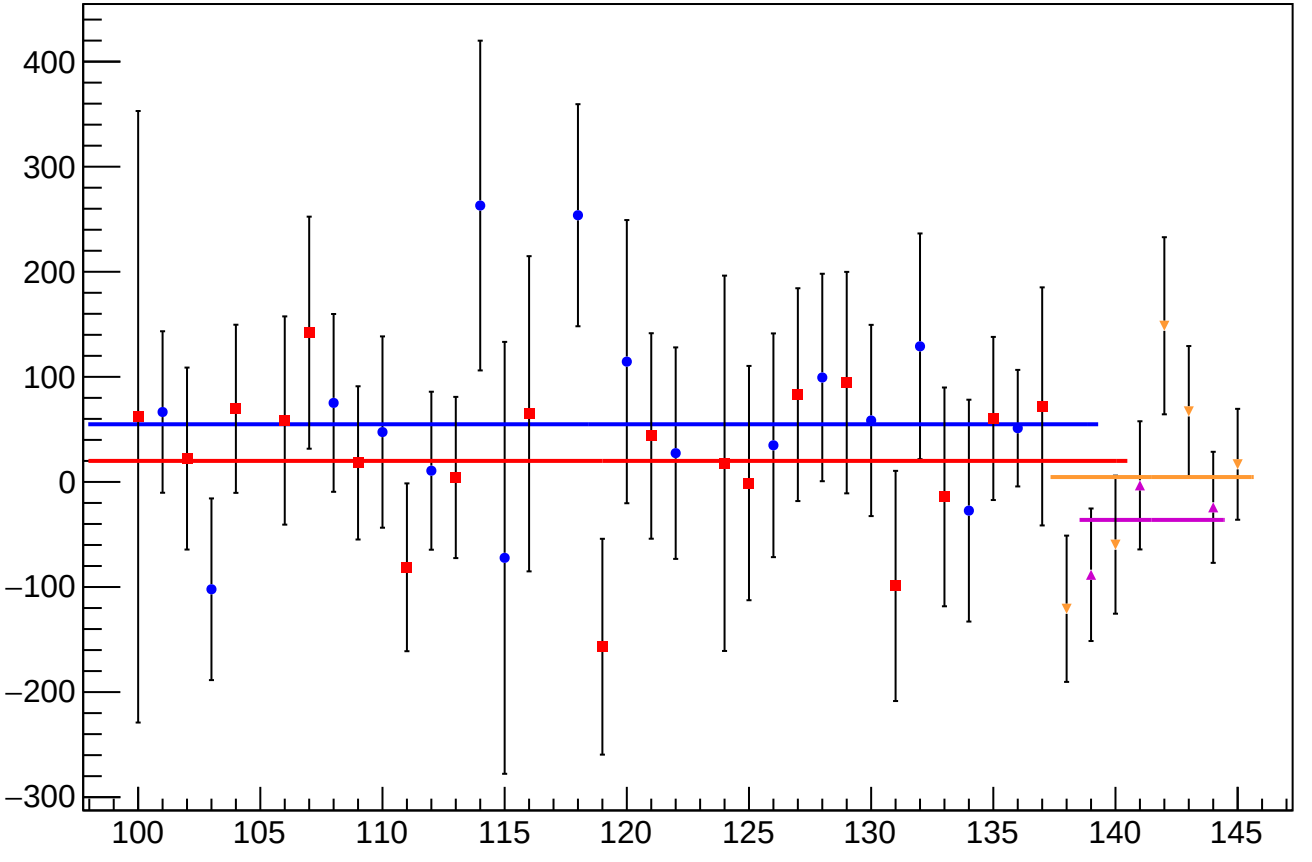
Left In: 0.000+/-0.000 χ^2/NDF:388253.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 4822850.7/20

All: 0.000+/-0.000 χ^2/NDF: 9399314.5/42

- sign 0.000+/-0.000 χ^2/NDF: 4556143.9/21

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

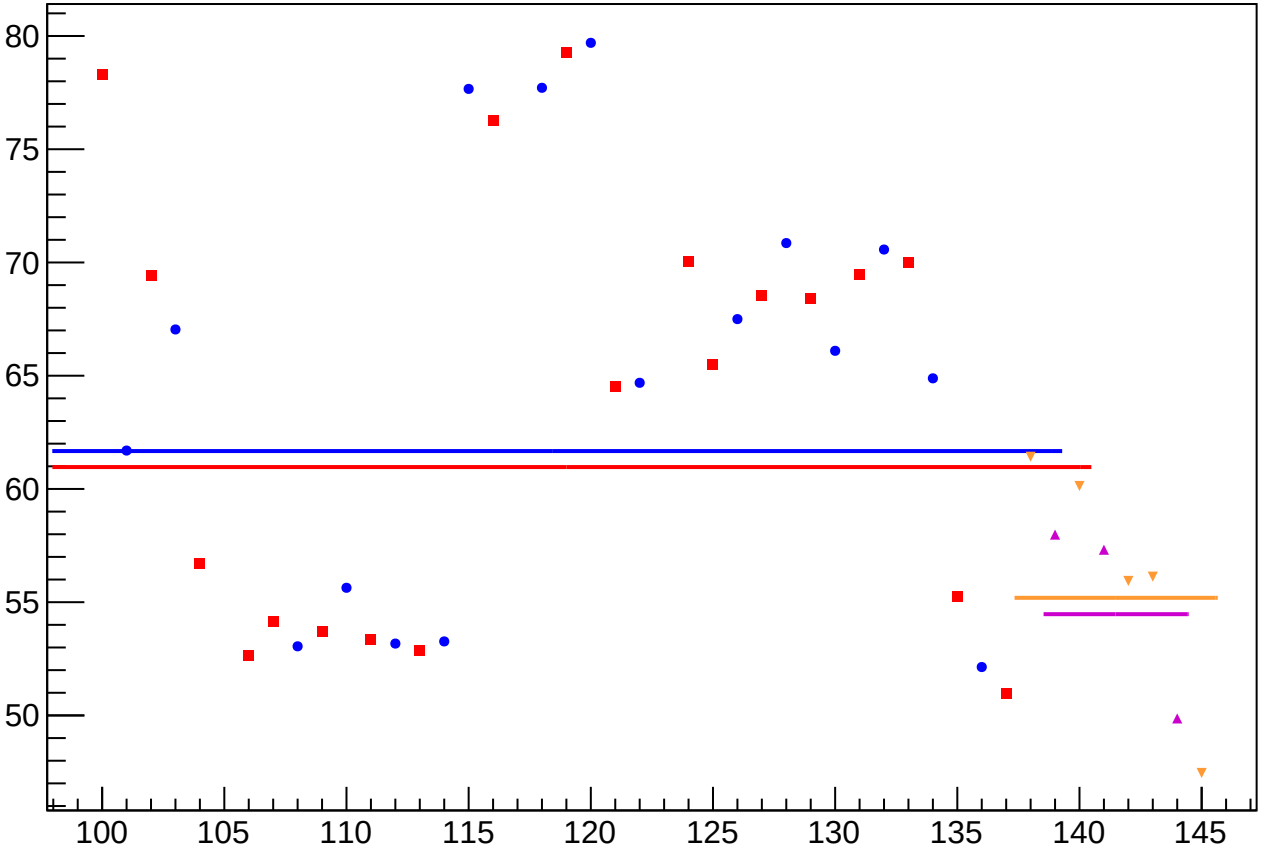
Left In: -36.130+/-33.741 χ^2/NDF:1.0/2

+ sign 35.227+/-18.084 χ^2/NDF: 21.0/20

All: 19.542+/-13.020 χ^2/NDF: 34.8/42

- sign 2.661+/-18.760 χ^2/NDF: 12.2/21

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

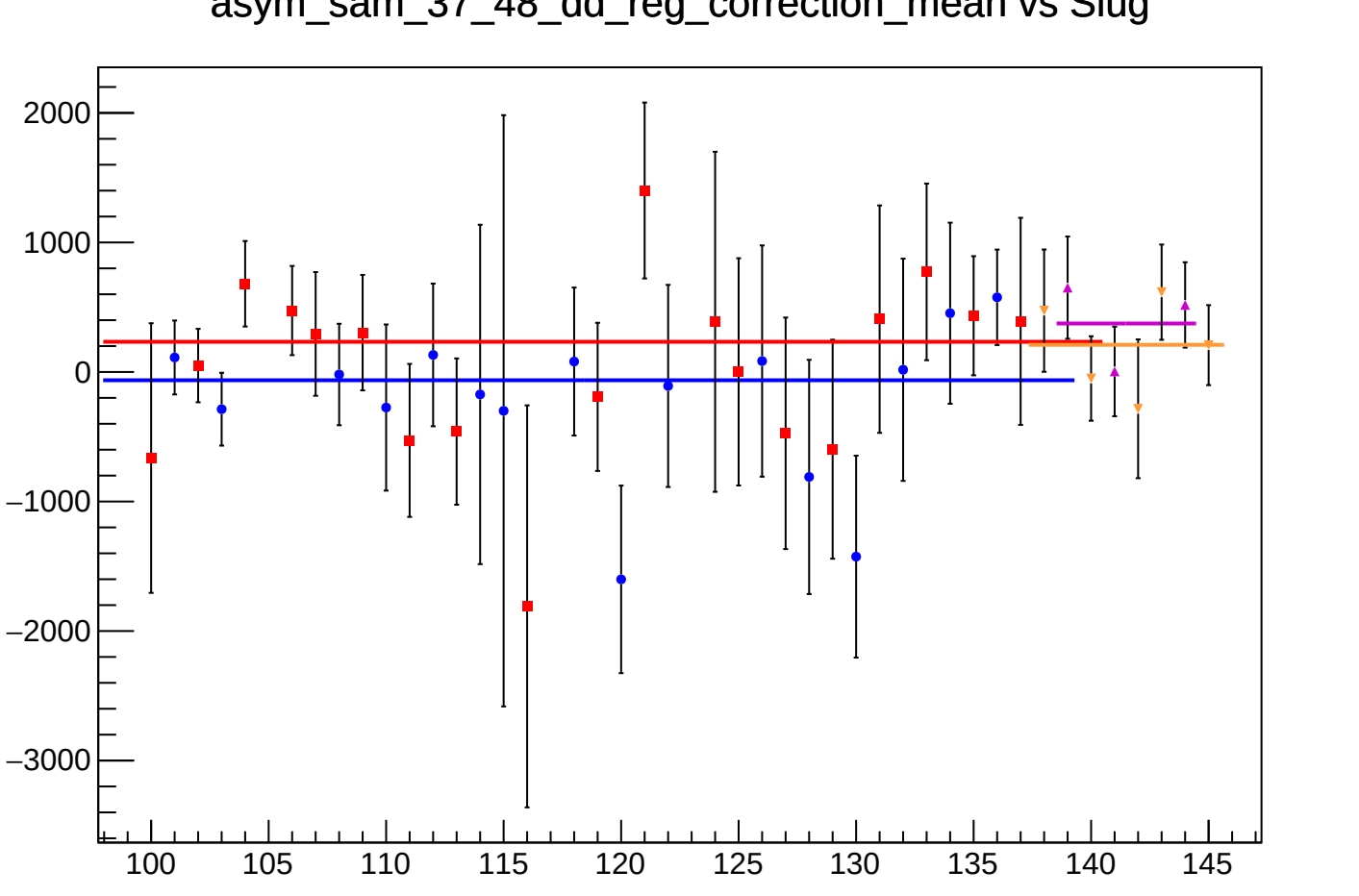
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 54.471+/-0.024 χ^2/NDF:25738.7/2

+ sign 59.137+/-0.013 χ^2/NDF: 399135.0/20

All: 59.051+/-0.009 χ^2/NDF: 760355.1/42

- sign 58.958+/-0.013 χ^2/NDF: 361125.9/21



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

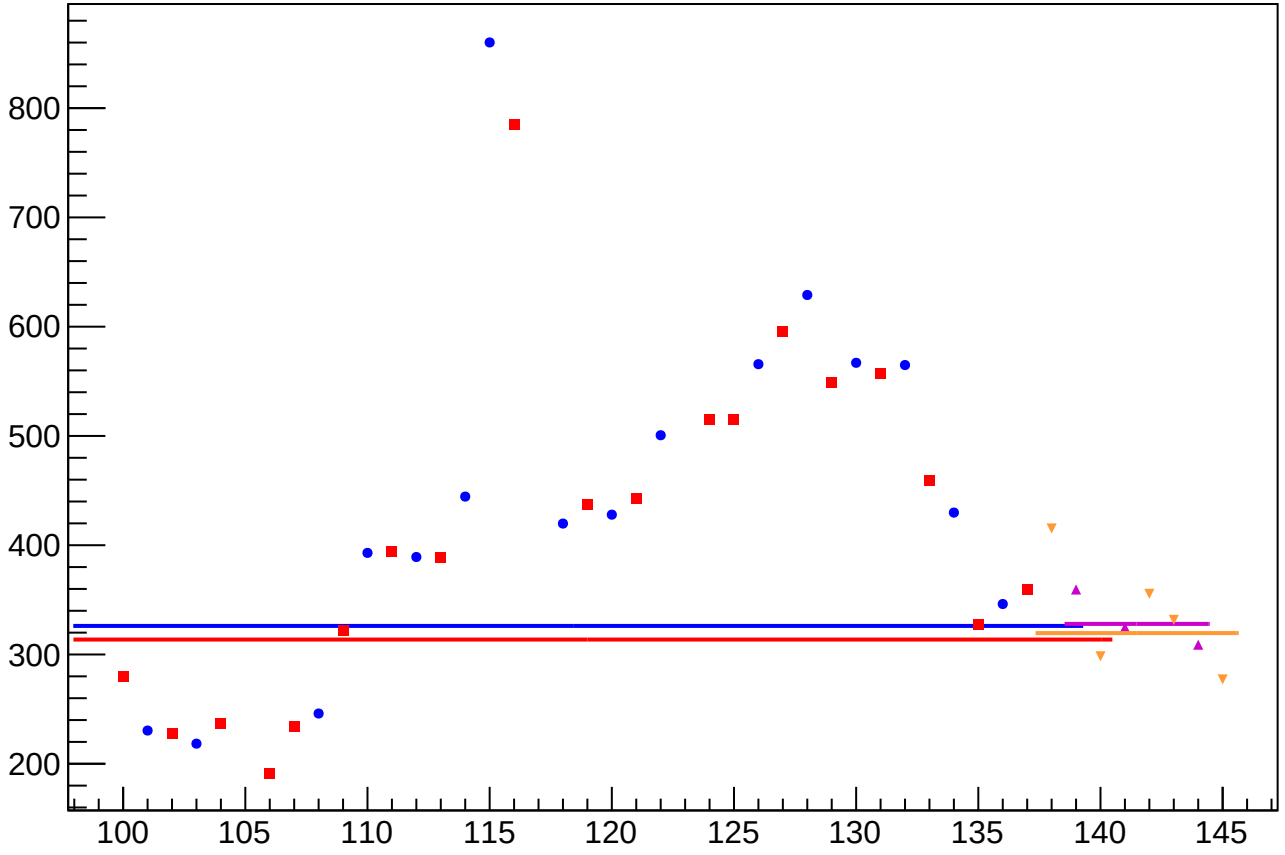
Left In: 374.304+/-204.136 χ^2/NDF:1.8/2

+ sign 37.958+/-102.752 χ^2/NDF: 17.9/20

All: 151.563+/-73.514 χ^2/NDF: 37.1/42

- sign 270.694+/-105.222 χ^2/NDF: 16.7/21

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

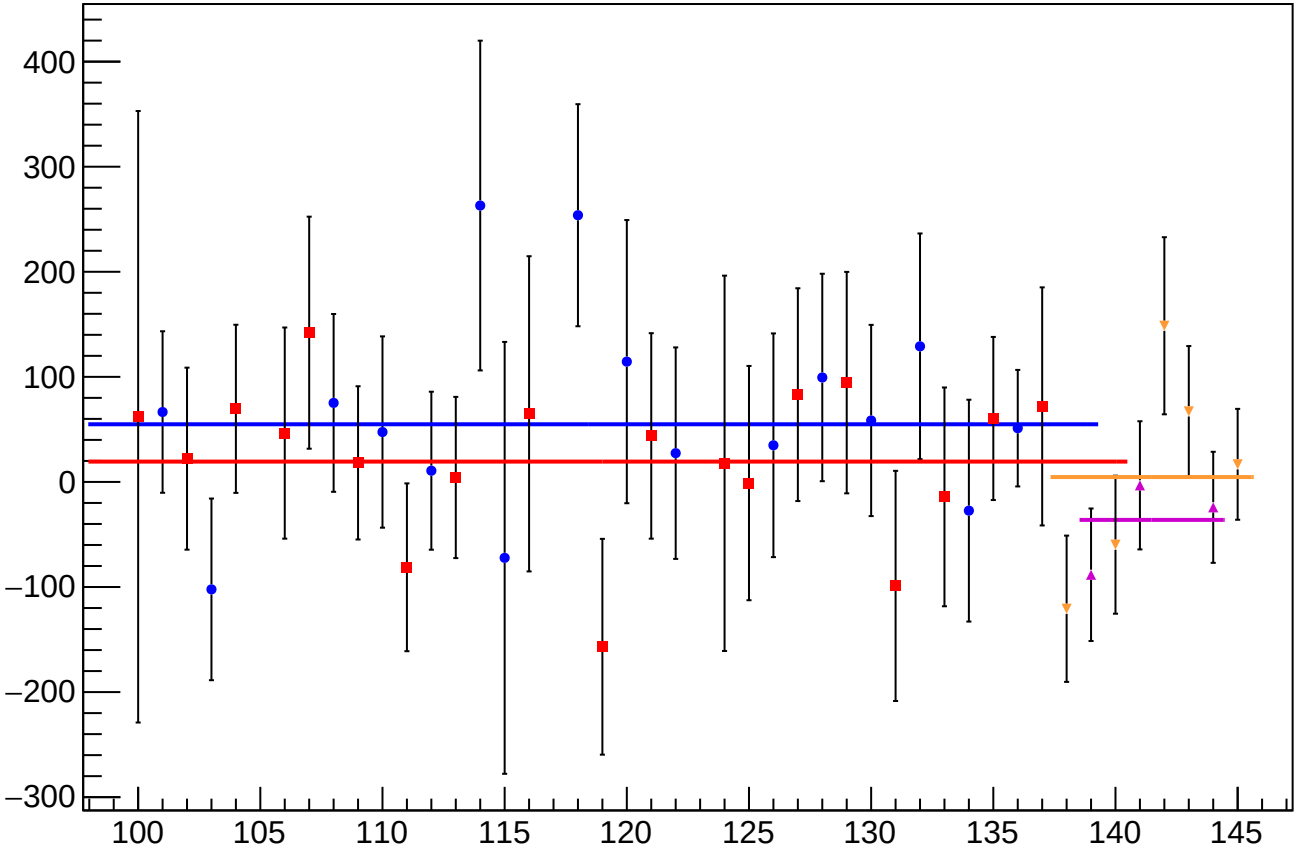
Left In: 327.997+/-0.144 χ^2/NDF:19587.4/2

+ sign 323.709+/-0.073 χ^2/NDF: 1875534.8/20

All: 320.667+/-0.052 χ^2/NDF: 3693291.2/42

- sign 317.478+/-0.074 χ^2/NDF: 1814166.9/21

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

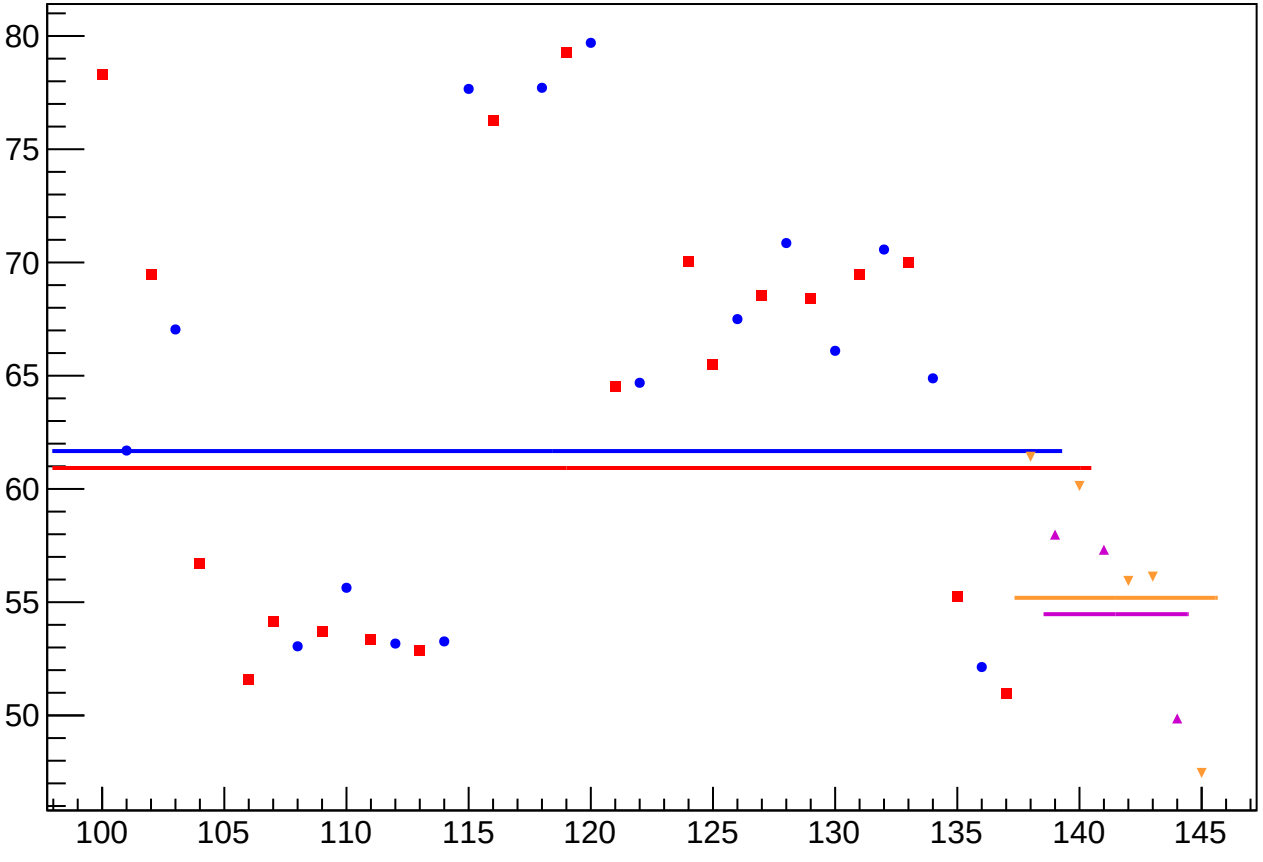
Left In: -36.125+/-33.741 χ^2/NDF:1.0/2

+ sign 35.220+/-18.084 χ^2/NDF: 21.0/20

All: 19.317+/-13.023 χ^2/NDF: 34.7/42

- sign 2.184+/-18.770 χ^2/NDF: 12.0/21

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

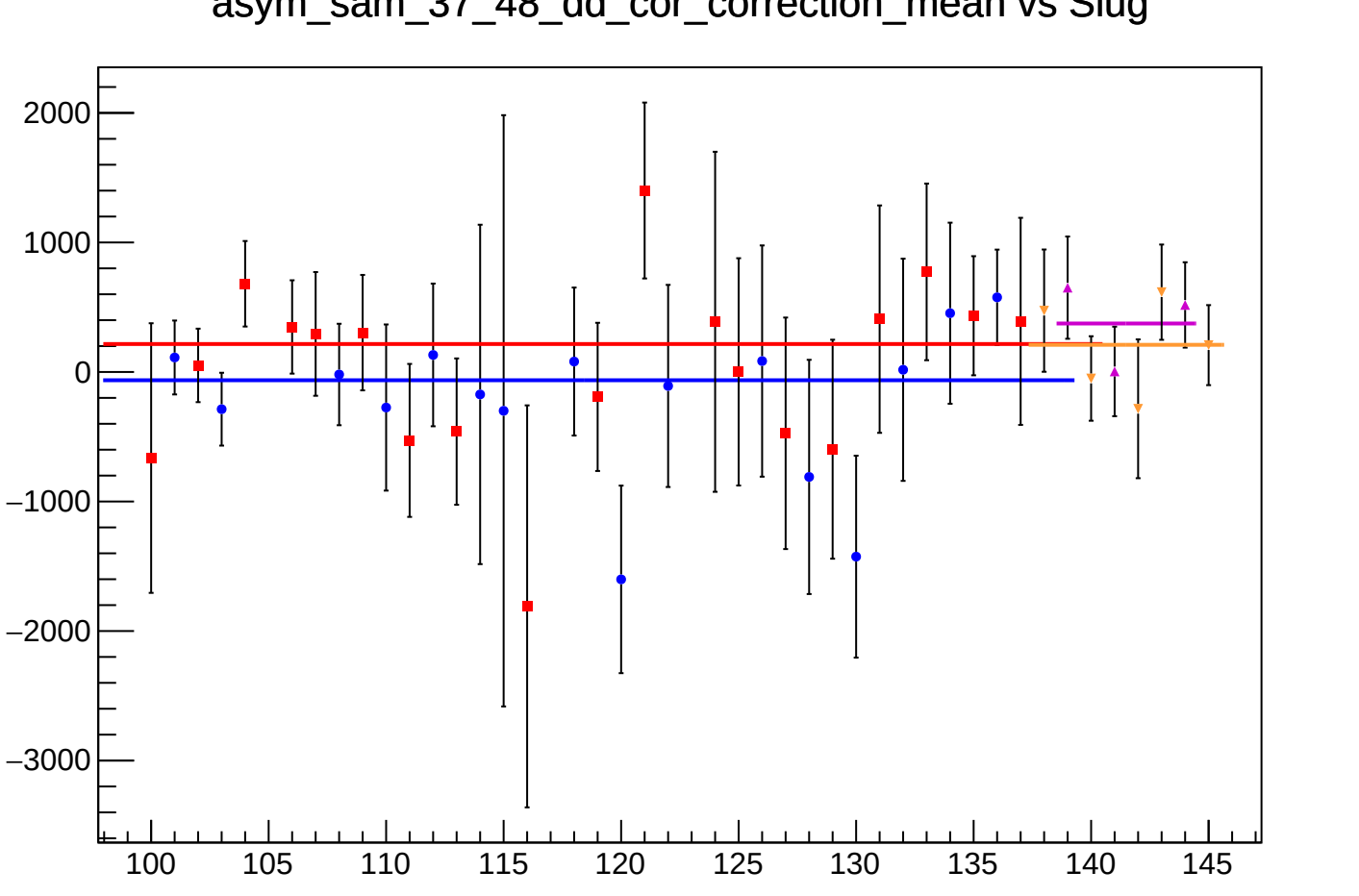
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.471+/-0.024 χ^2/NDF:25738.7/2

+ sign 59.137+/-0.013 χ^2/NDF: 399135.2/20

All: 59.037+/-0.009 χ^2/NDF: 763121.9/42

- sign 58.928+/-0.013 χ^2/NDF: 363857.9/21



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 209.704+/-168.441 χ^2/NDF:3.0/4

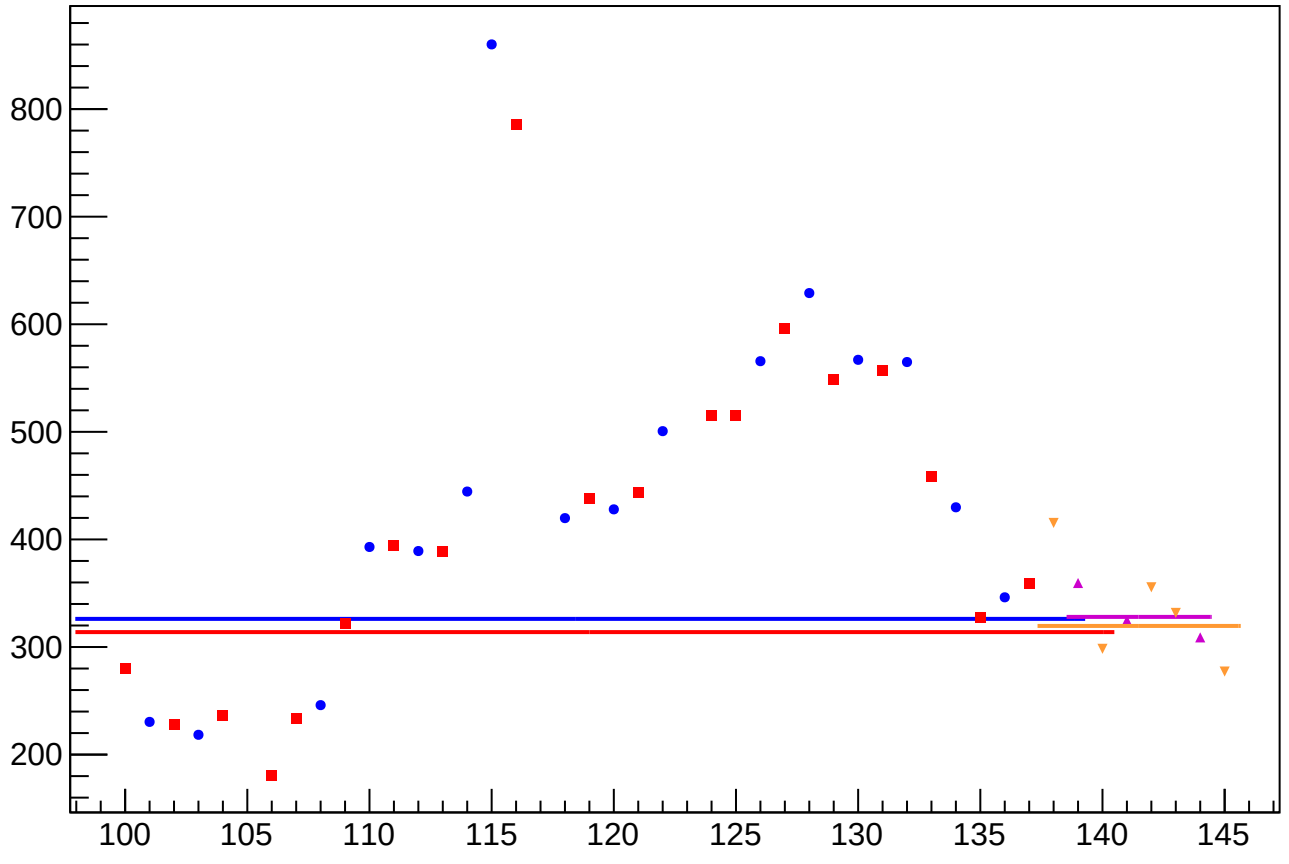
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 374.305+/-204.136 χ^2/NDF:1.8/2

+ sign 37.966+/-102.753 χ^2/NDF: 17.9/20

All: 145.081+/-73.664 χ^2/NDF: 36.5/42

- sign 258.347+/-105.662 χ^2/NDF: 16.4/21



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

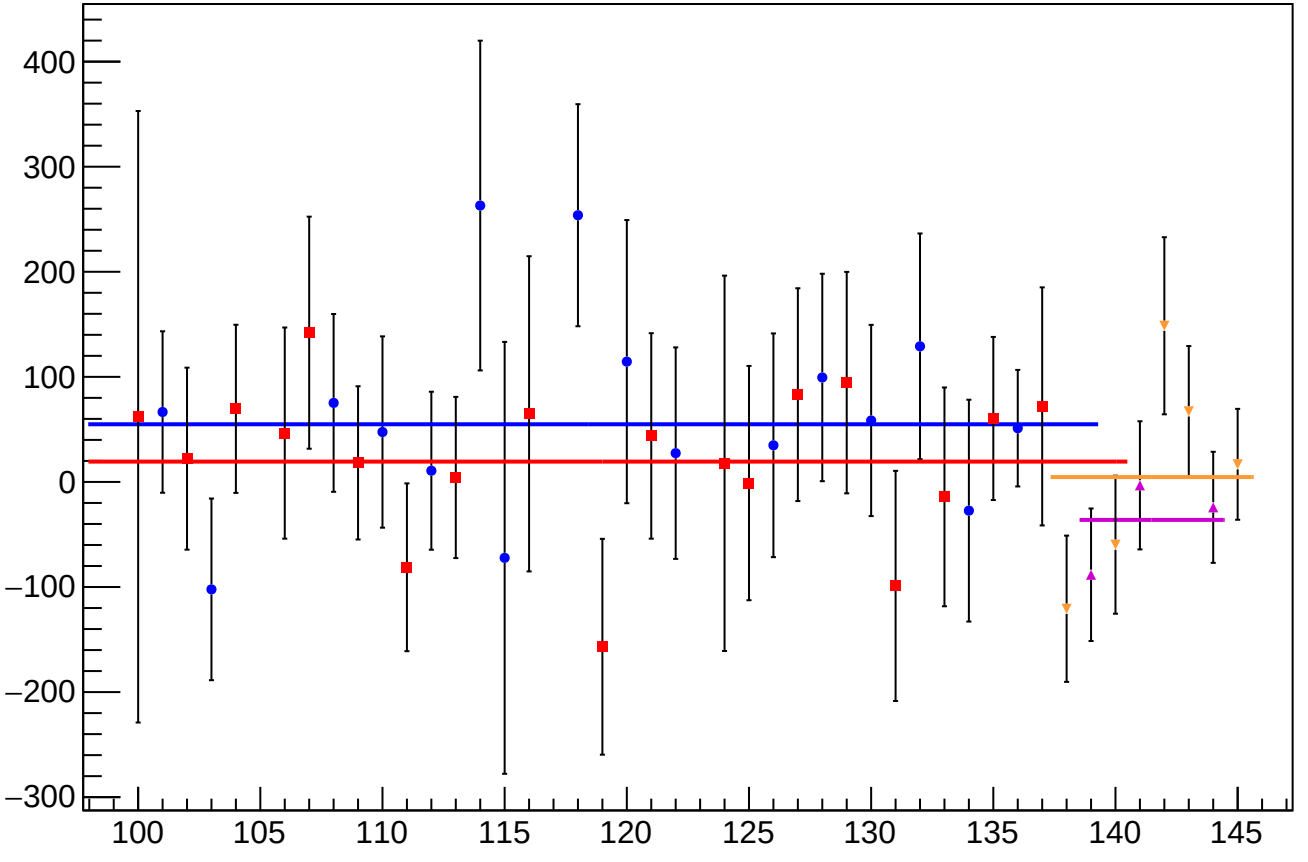
Left In: 327.997+/-0.144 χ^2/NDF:19586.9/2

+ sign 323.710+/-0.073 χ^2/NDF: 1875477.2/20

All: 320.764+/-0.052 χ^2/NDF: 3711248.8/42

- sign 317.648+/-0.075 χ^2/NDF: 1832388.0/21

eigen_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

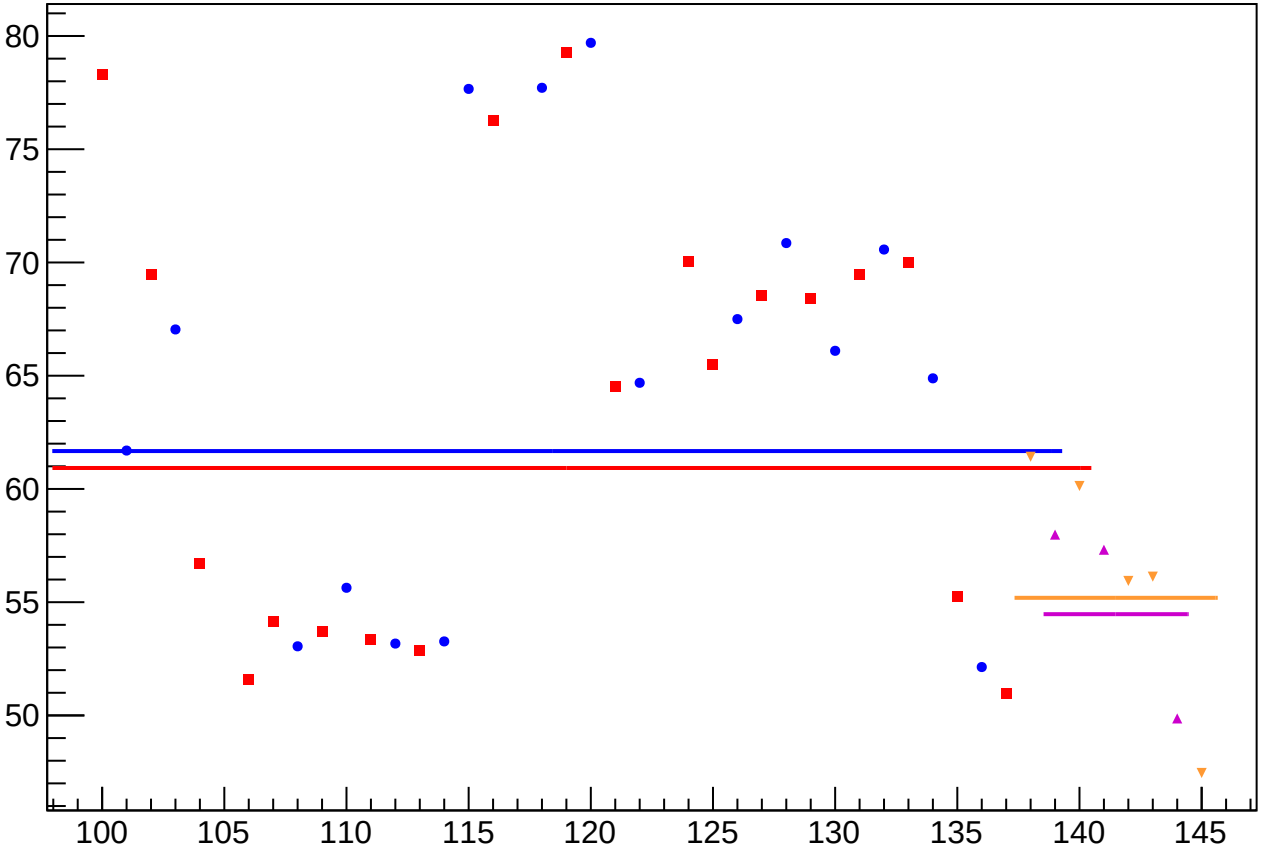
Left In: -36.125+/-33.741 χ^2/NDF:1.0/2

+ sign 35.220+/-18.084 χ^2/NDF: 21.0/20

All: 19.317+/-13.023 χ^2/NDF: 34.7/42

- sign 2.184+/-18.770 χ^2/NDF: 12.0/21

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

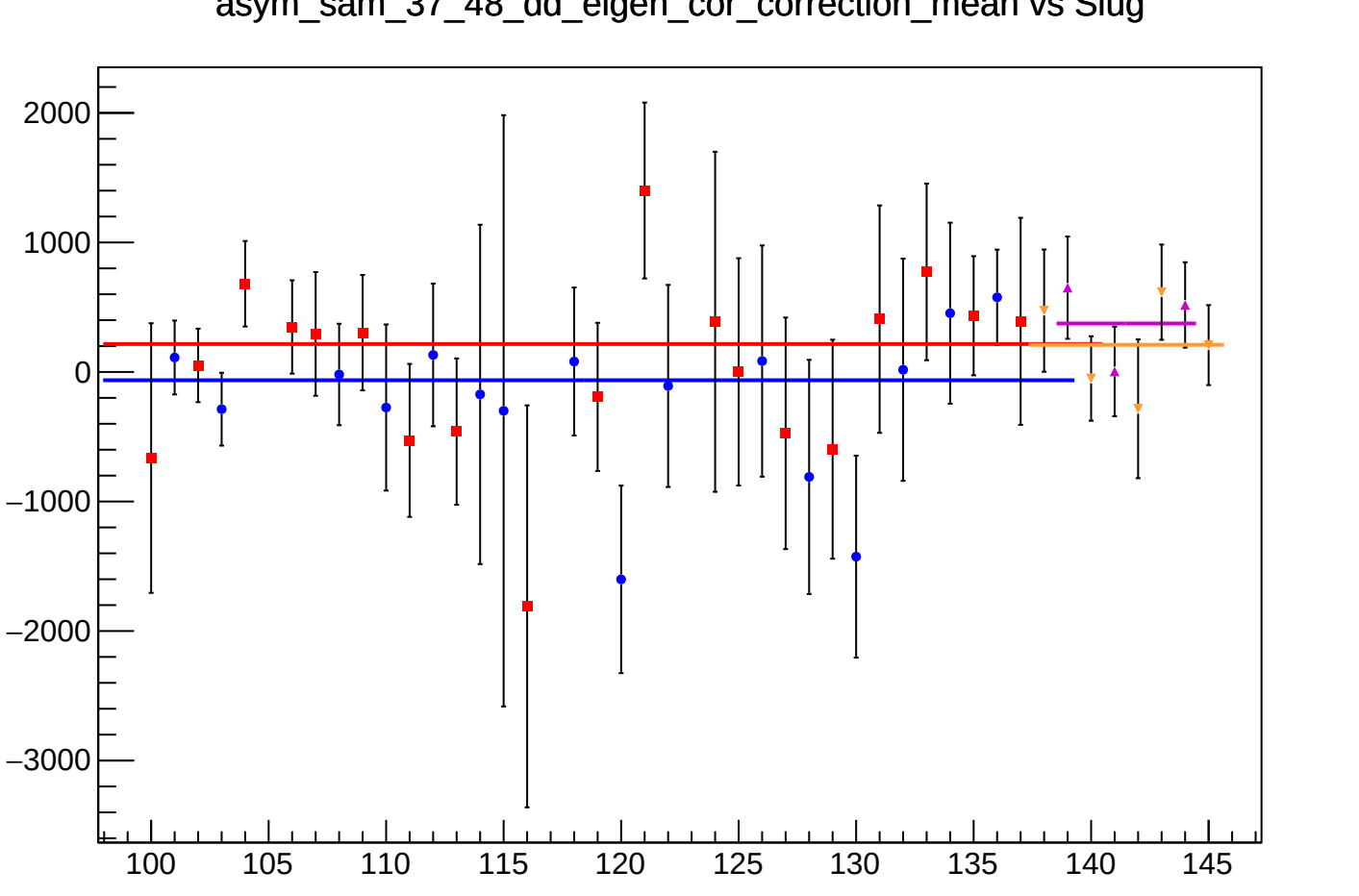
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.471+/-0.024 χ^2/NDF:25738.7/2

+ sign 59.137+/-0.013 χ^2/NDF: 399135.2/20

All: 59.037+/-0.009 χ^2/NDF: 763121.9/42

- sign 58.928+/-0.013 χ^2/NDF: 363857.9/21



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 209.704+/-168.441 χ^2/NDF:3.0/4

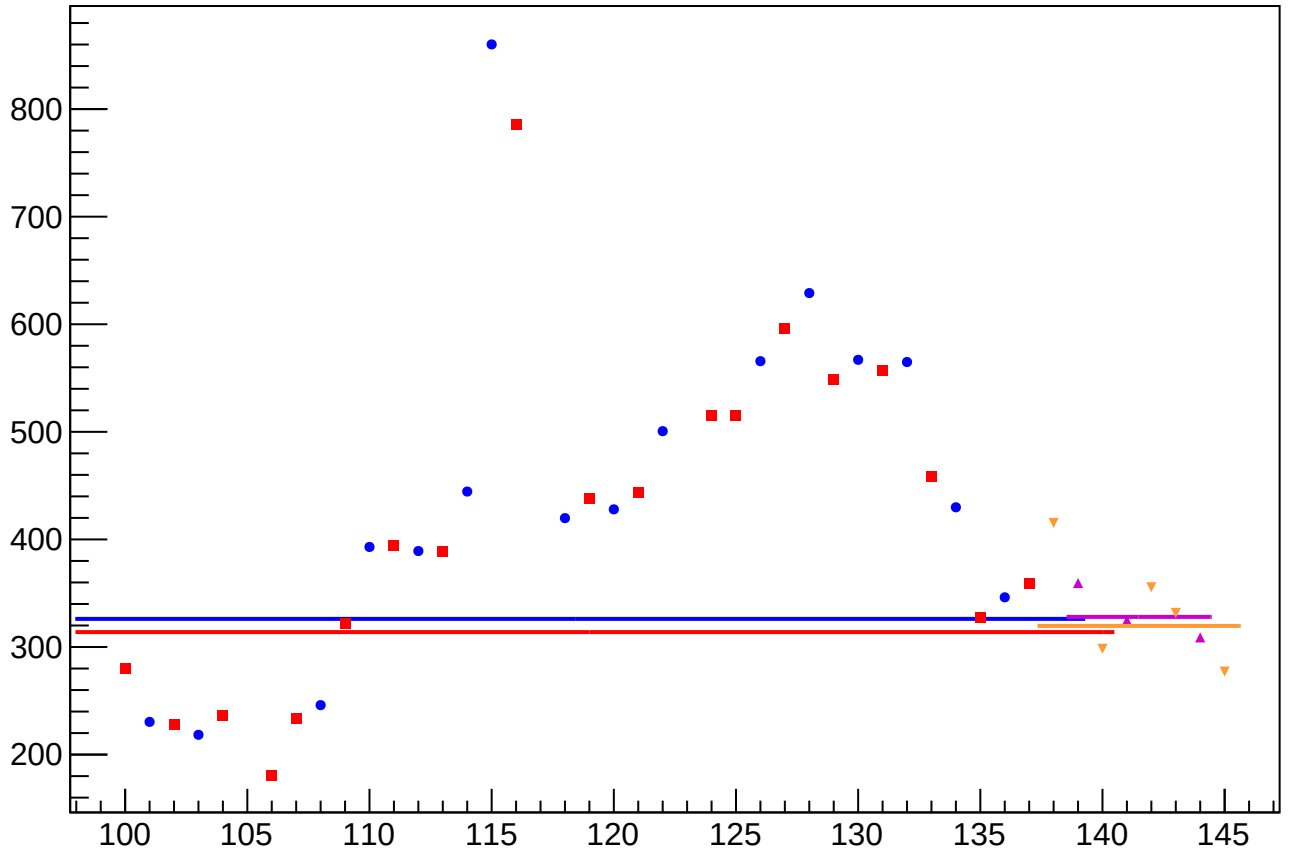
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 374.305+/-204.136 χ^2/NDF:1.8/2

+ sign 37.966+/-102.753 χ^2/NDF: 17.9/20

All: 145.081+/-73.664 χ^2/NDF: 36.5/42

- sign 258.347+/-105.662 χ^2/NDF: 16.4/21



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

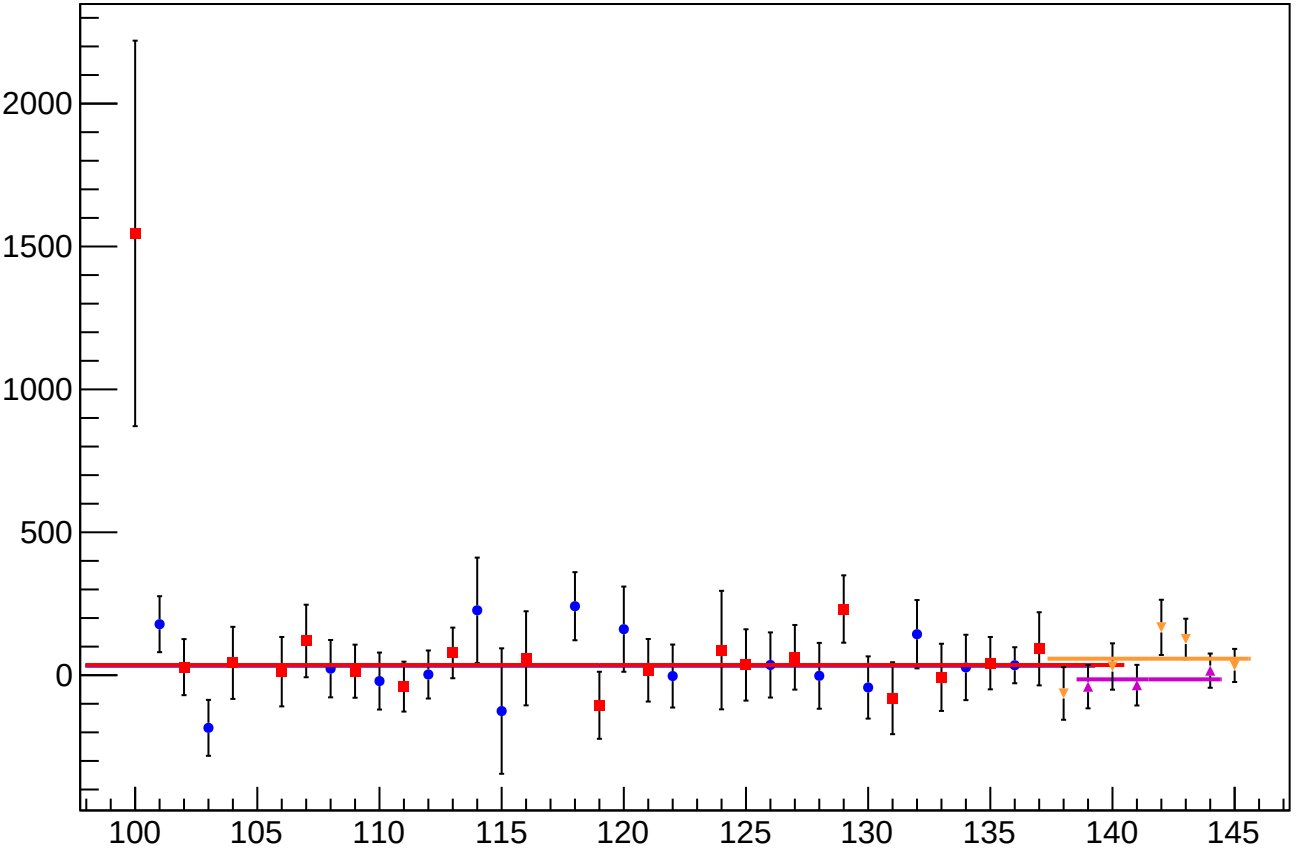
Left In: 327.997+/-0.144 χ^2/NDF:19586.9/2

\+ sign 323.710+/-0.073 χ^2/NDF: 1875477.2/20

All: 320.764+/-0.052 χ^2/NDF: 3711248.8/42

\- sign 317.648+/-0.075 χ^2/NDF: 1832388.0/21

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

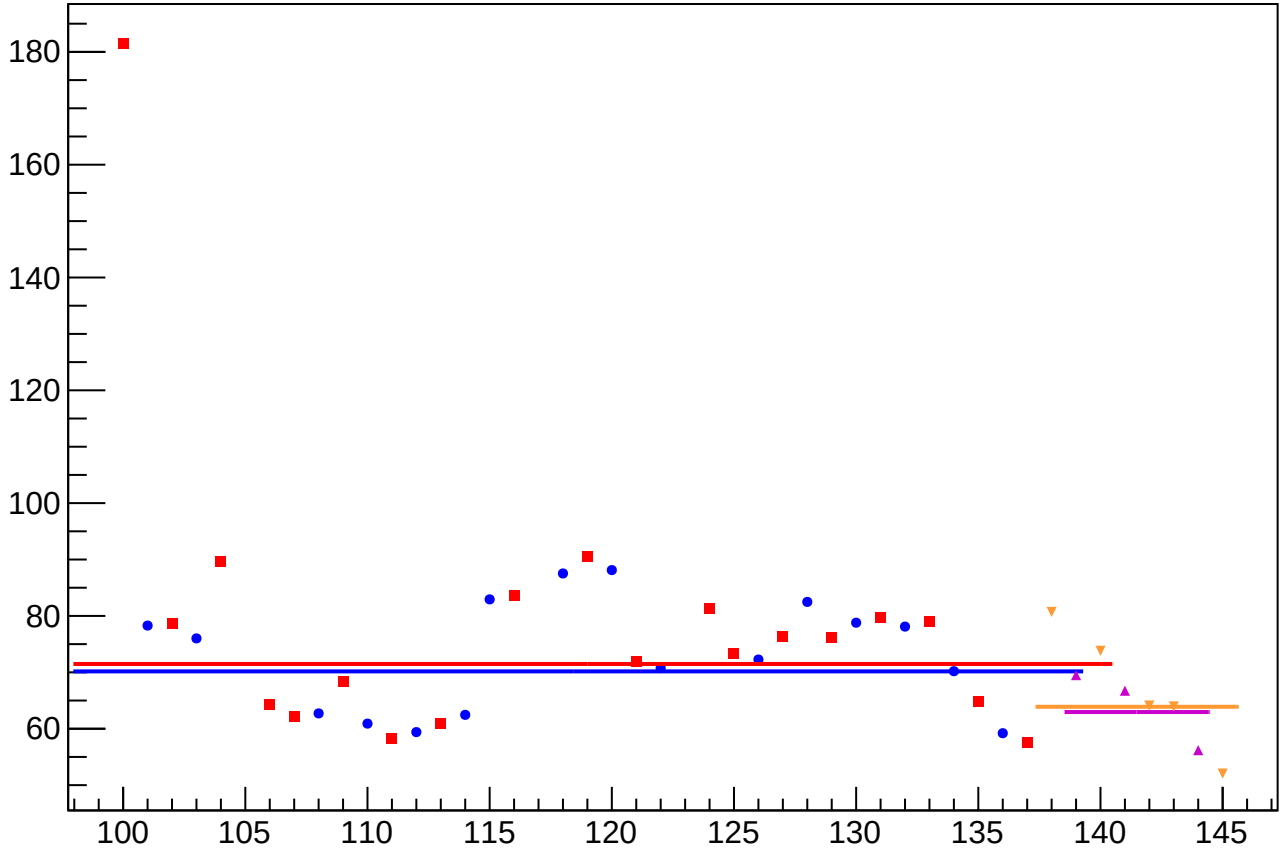
Left In: -14.505+/-39.205 χ^2/NDF:0.5/2

+ sign 42.617+/-20.816 χ^2/NDF: 19.1/20

All: 31.845+/-15.112 χ^2/NDF: 33.4/42

- sign 19.841+/-21.975 χ^2/NDF: 13.7/21

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

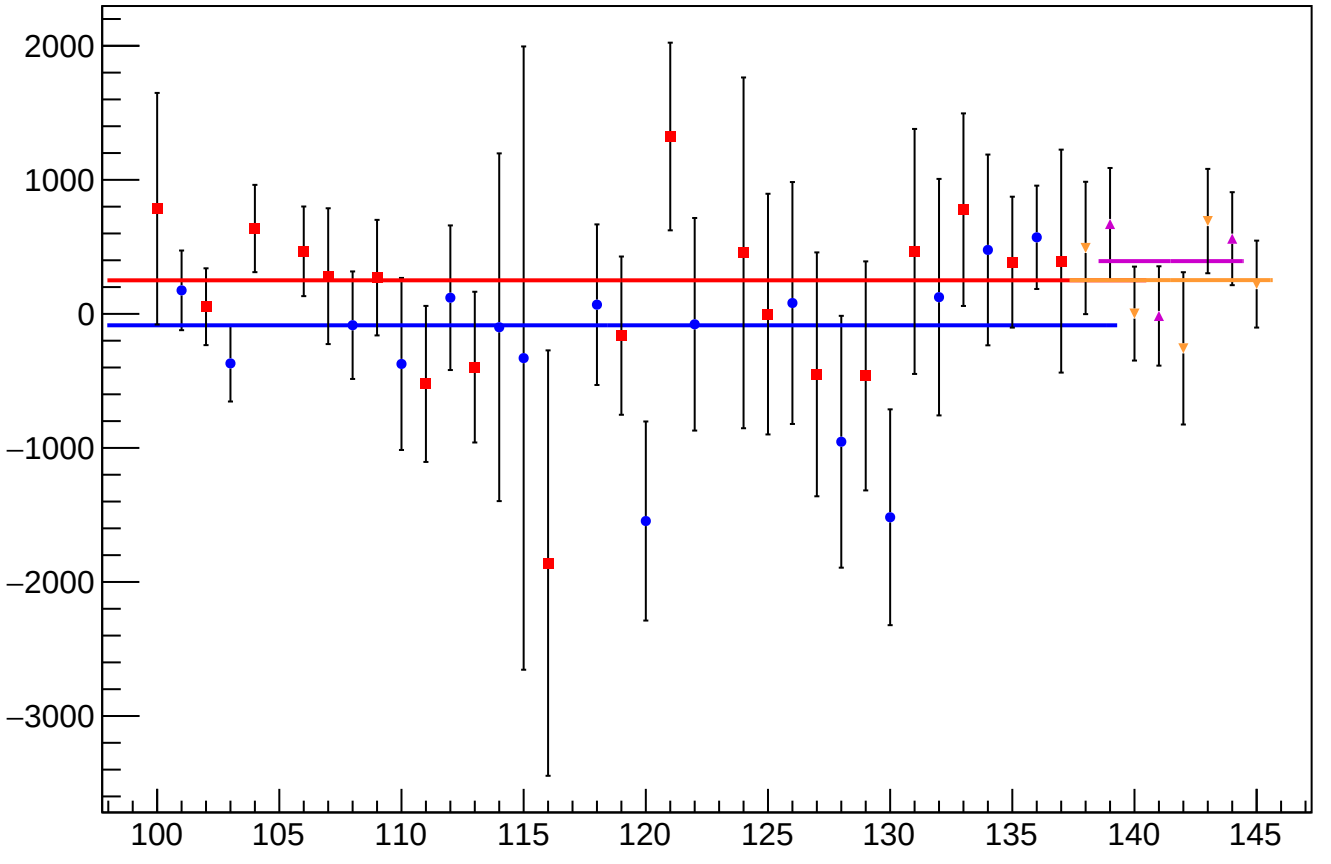
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 62.961+/-0.028 χ^2/NDF:46038.2/2

+ sign 67.789+/-0.015 χ^2/NDF: 492303.7/20

All: 68.270+/-0.011 χ^2/NDF: 931122.9/42

- sign 68.806+/-0.016 χ^2/NDF: 436563.9/21



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

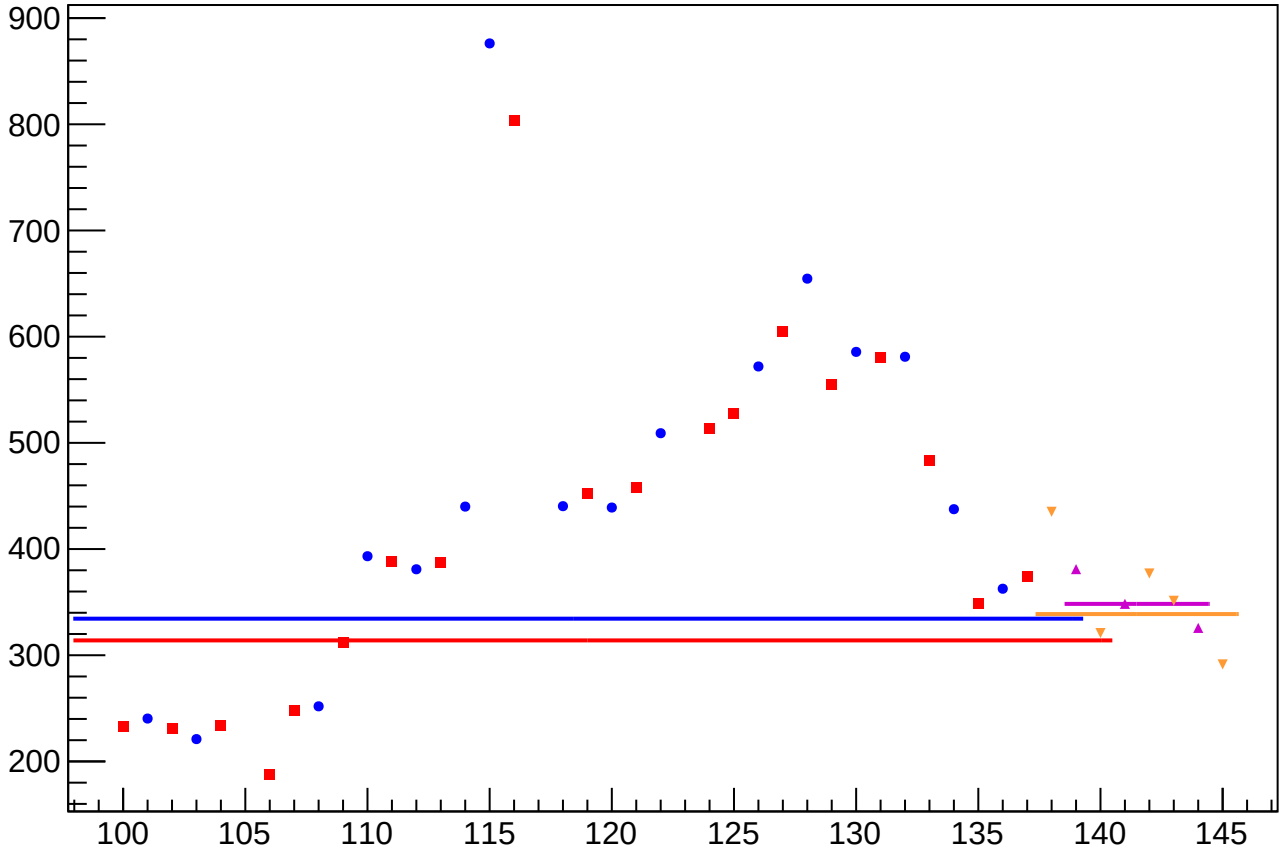
Left In: 393.673+/-216.591 χ^2/NDF:1.9/2

+ sign 35.157+/-106.549 χ^2/NDF: 18.8/20

All: 159.617+/-75.555 χ^2/NDF: 36.3/42

- sign 285.498+/-107.155 χ^2/NDF: 14.7/21

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

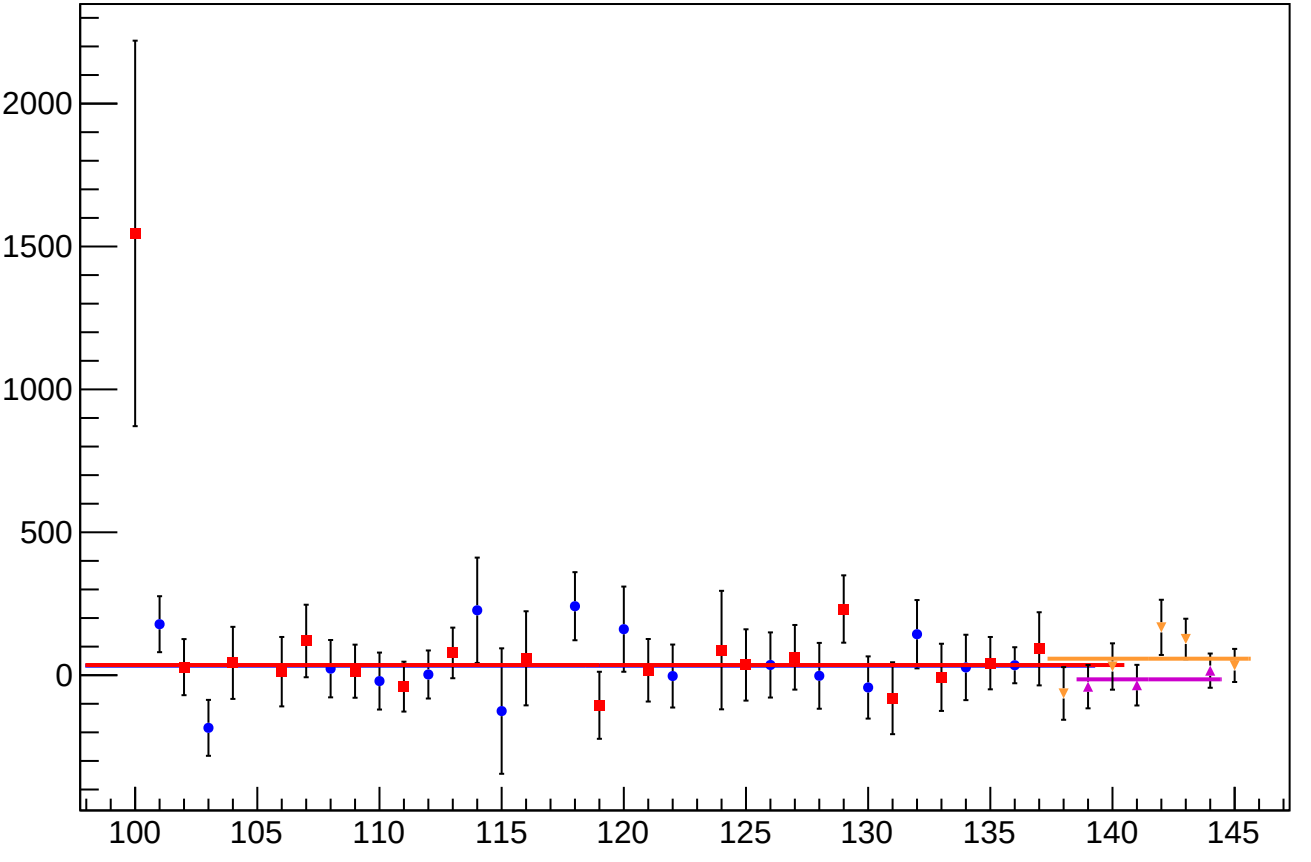
Left In: 348.356+/-0.153 χ^2/NDF:20758.1/2

+ sign 335.980+/-0.075 χ^2/NDF: 1866559.7/20

All: 329.222+/-0.053 χ^2/NDF: 3846175.3/42

- sign 322.387+/-0.076 χ^2/NDF: 1963432.6/21

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

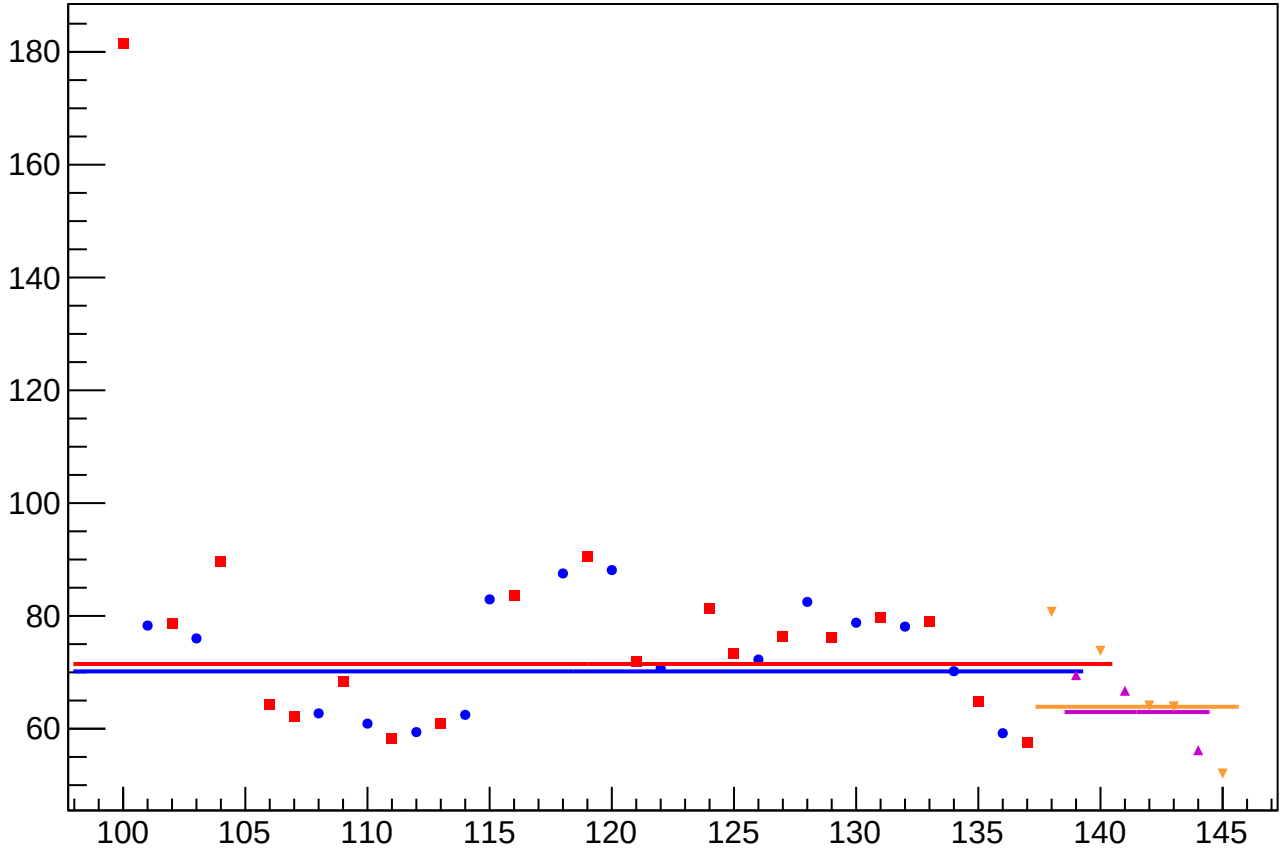
Left In: -14.506+/-39.205 χ^2/NDF:0.5/2

+ sign 42.616+/-20.816 χ^2/NDF: 19.1/20

All: 31.845+/-15.112 χ^2/NDF: 33.4/42

- sign 19.841+/-21.975 χ^2/NDF: 13.7/21

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

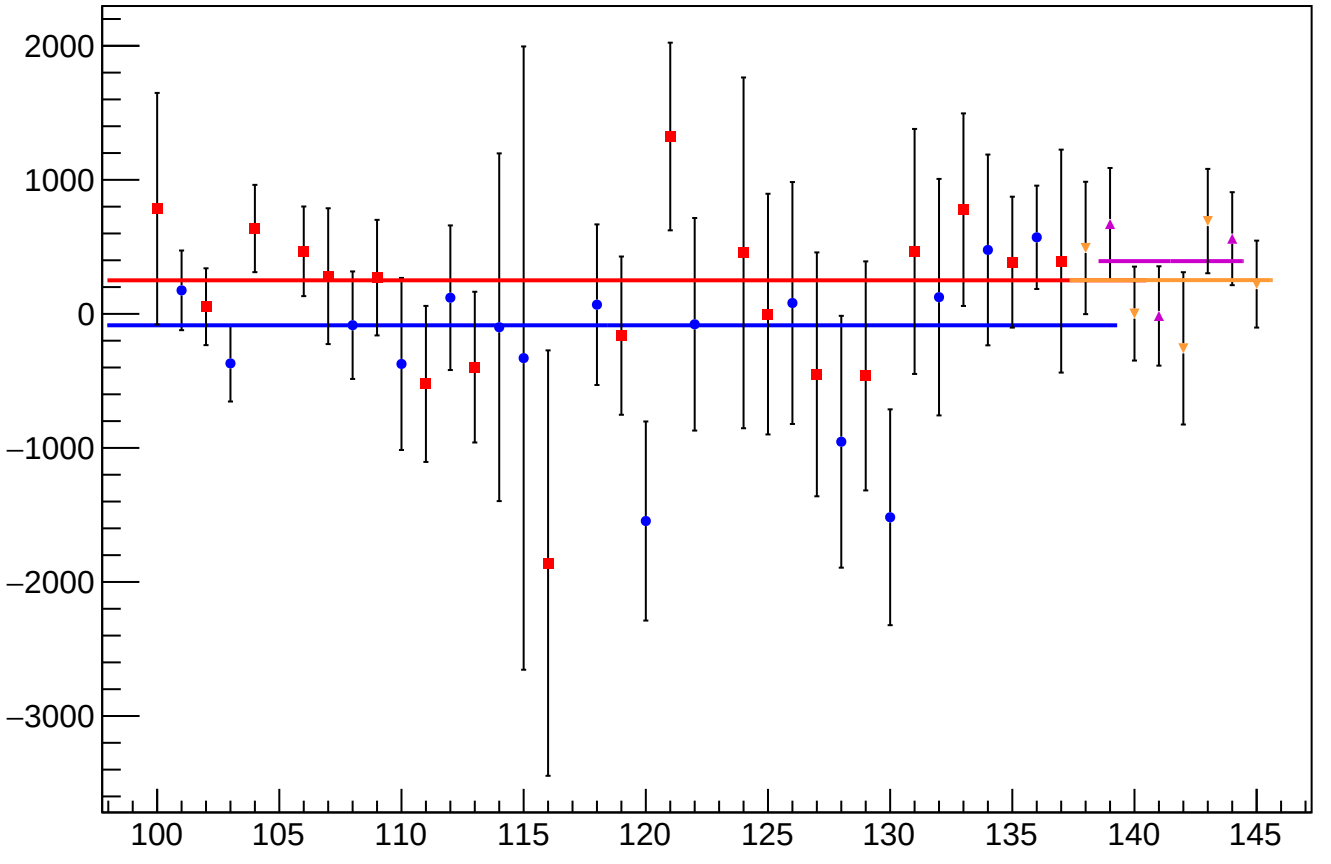
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 62.961+/-0.028 χ^2/NDF:46036.1/2

+ sign 67.789+/-0.015 χ^2/NDF: 492311.2/20

All: 68.270+/-0.011 χ^2/NDF: 931138.8/42

- sign 68.805+/-0.016 χ^2/NDF: 436572.2/21



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

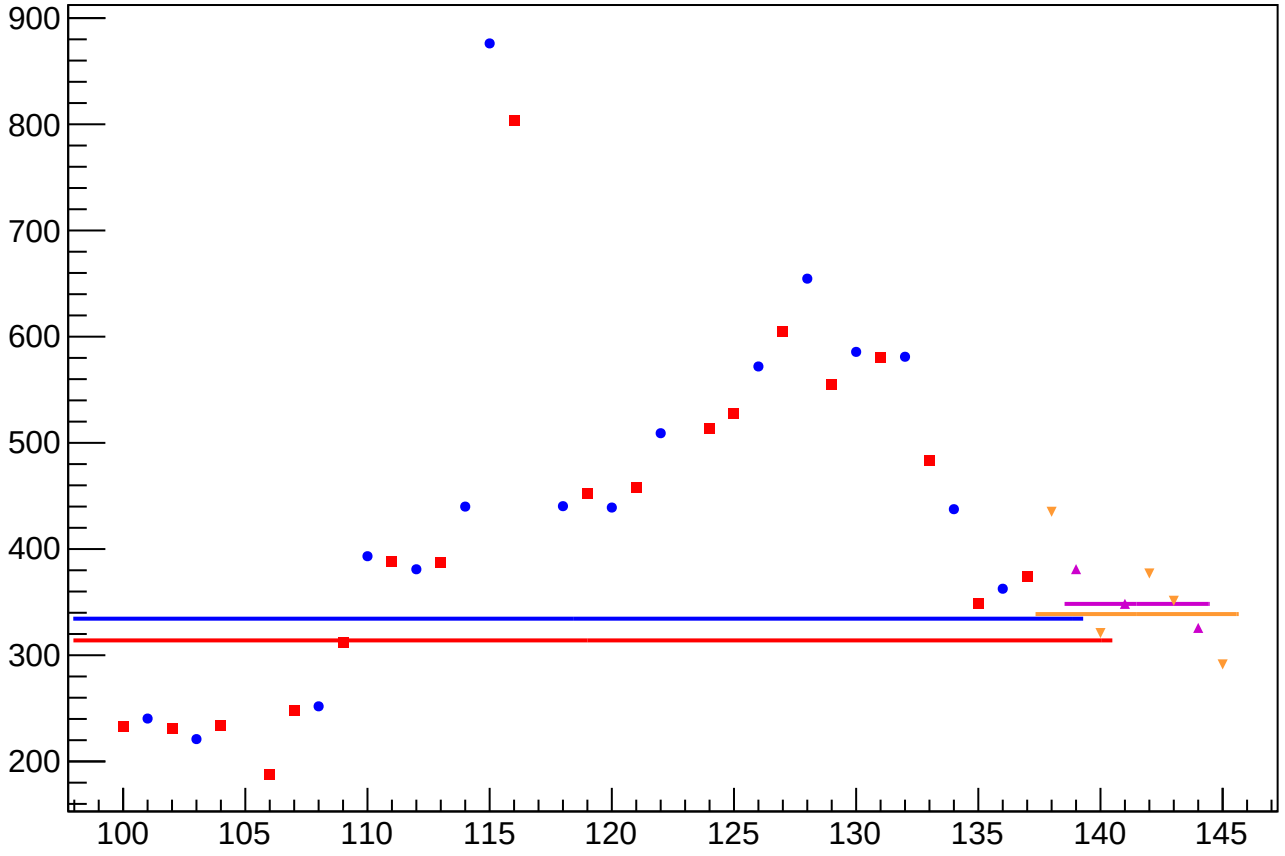
Left In: 393.672+/-216.591 χ^2/NDF:1.9/2

+ sign 35.156+/-106.549 χ^2/NDF: 18.8/20

All: 159.617+/-75.555 χ^2/NDF: 36.3/42

- sign 285.498+/-107.155 χ^2/NDF: 14.7/21

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

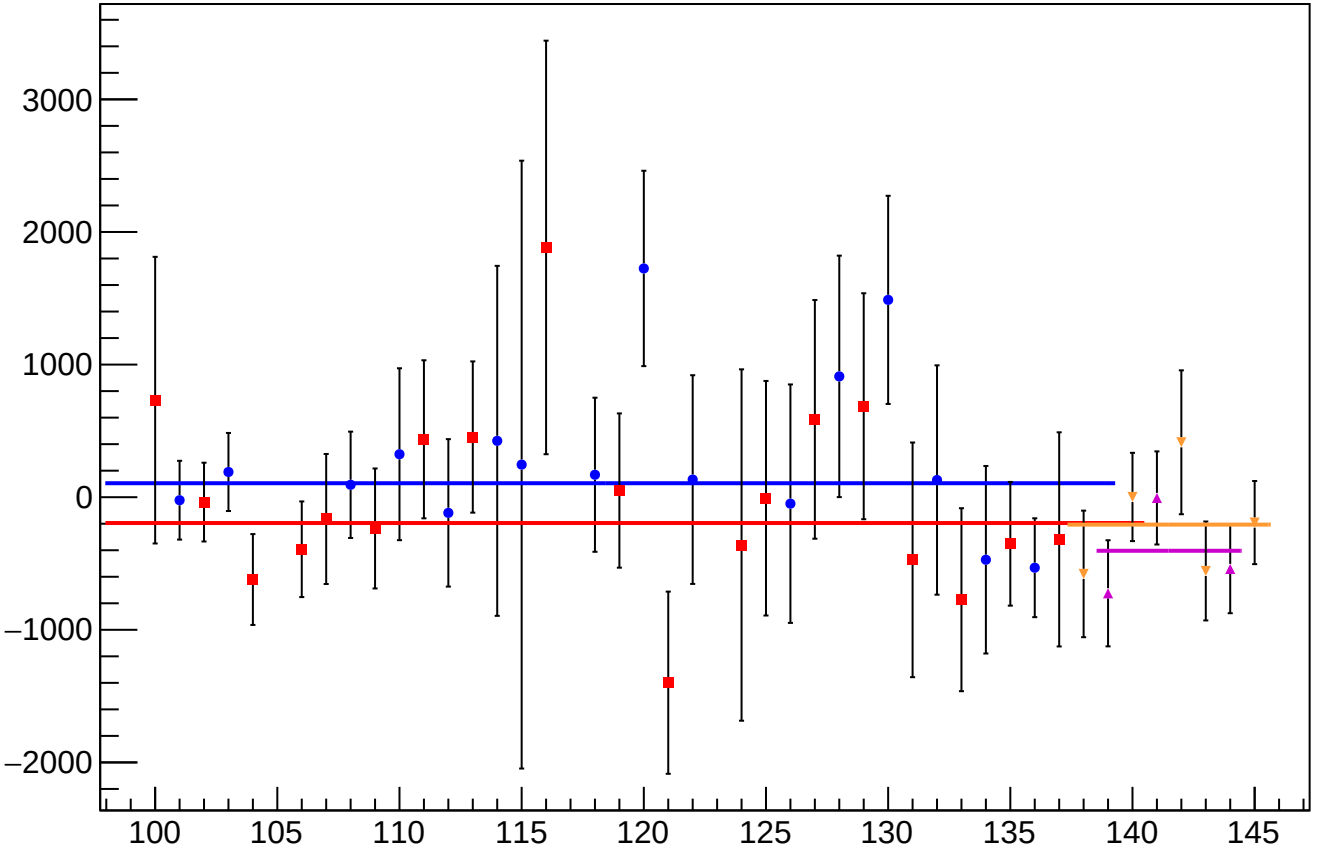
Left In: 348.356+/-0.153 χ^2/NDF:20758.0/2

+ sign 335.980+/-0.075 χ^2/NDF: 1866559.8/20

All: 329.222+/-0.053 χ^2/NDF: 3846173.3/42

- sign 322.387+/-0.076 χ^2/NDF: 1963430.4/21

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

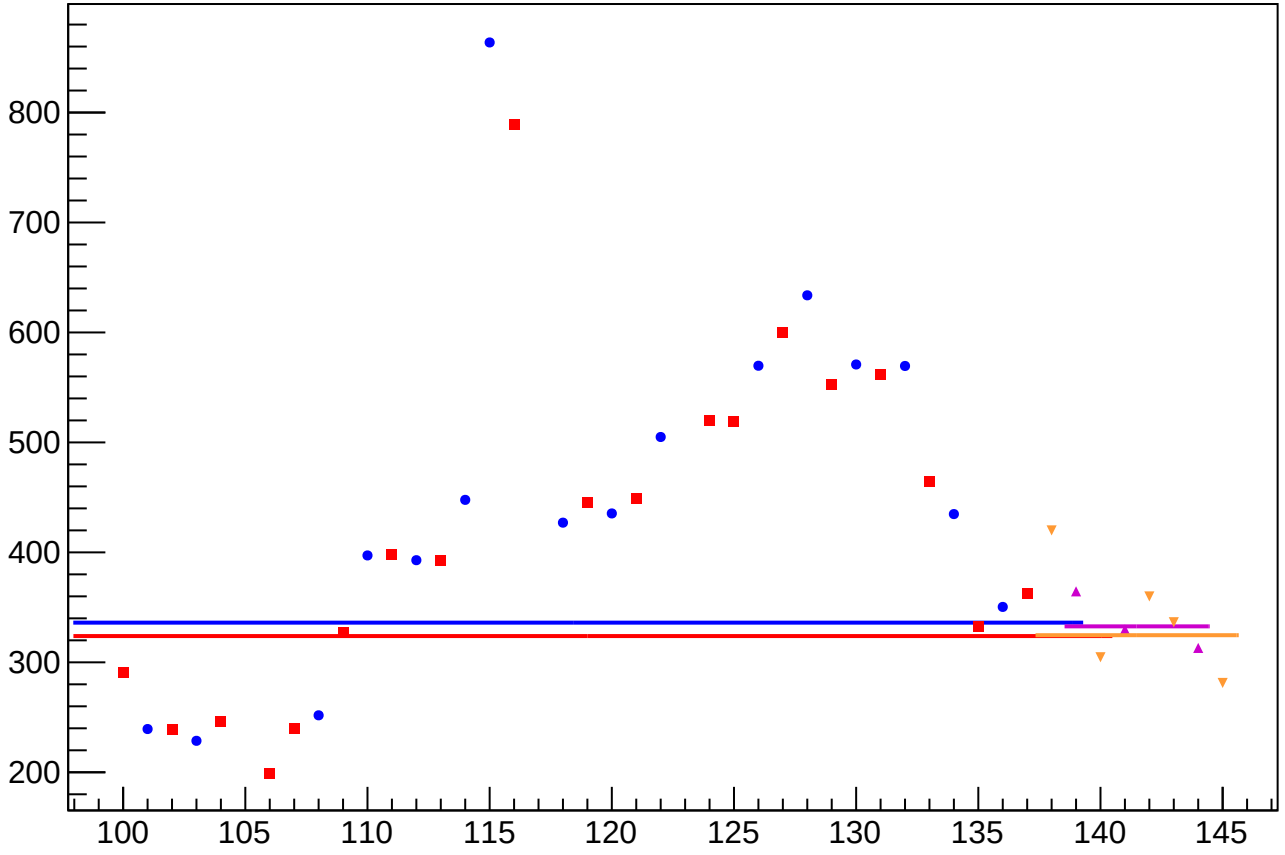
Left In: -404.011+/-207.019 χ^2/NDF:2.1/2

+ sign -12.237+/-105.019 χ^2/NDF: 18.2/20

All: -128.751+/-75.208 χ^2/NDF: 36.7/42

- sign -251.417+/-107.755 χ^2/NDF: 16.0/21

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

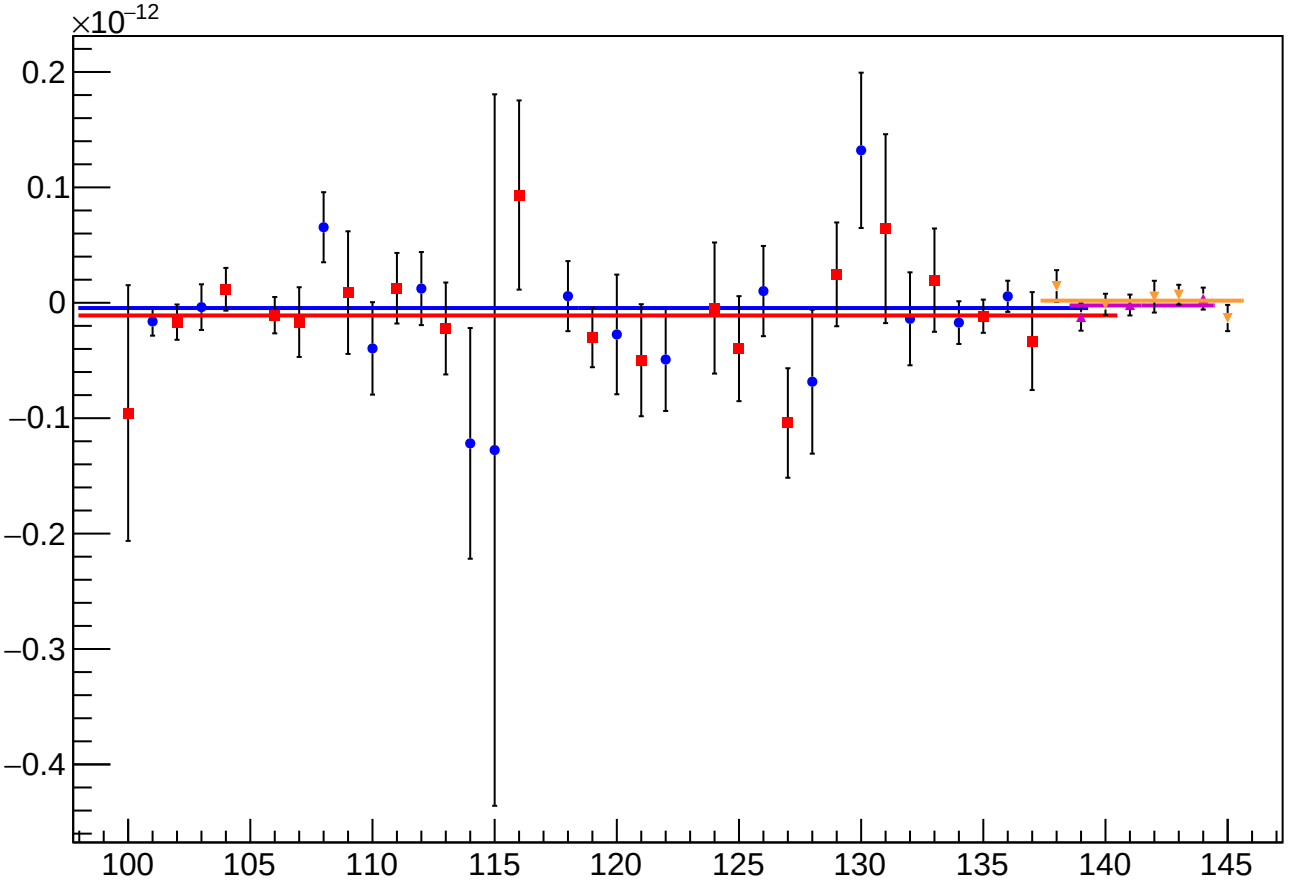
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 332.713+/-0.146 χ^2/NDF:19697.6/2

+ sign 331.787+/-0.074 χ^2/NDF: 1760413.8/20

All: 329.103+/-0.053 χ^2/NDF: 3450865.1/42

- sign 326.277+/-0.076 χ^2/NDF: 1687769.9/21



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

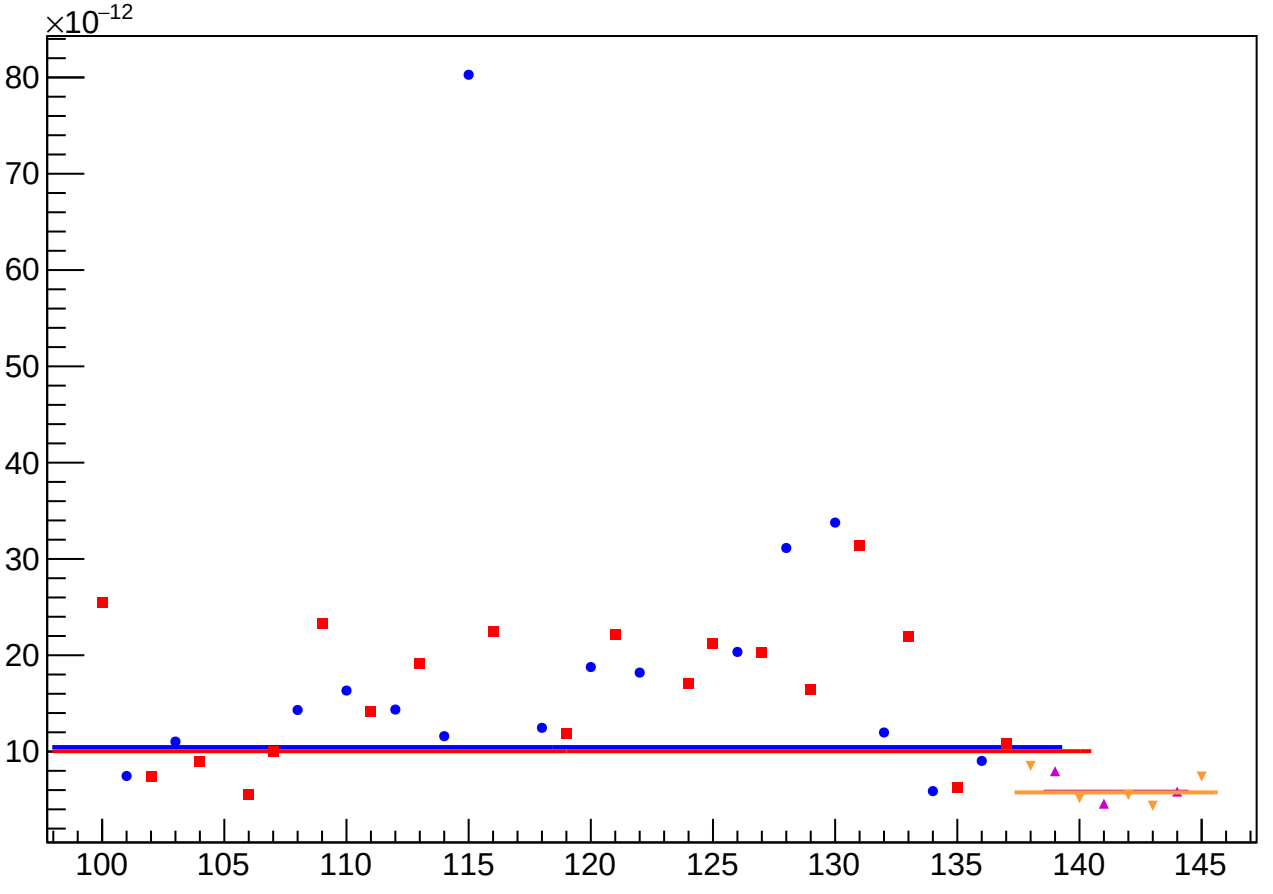
Left In: -0.000+/-0.000 χ^2/NDF:1.1/2

+ sign -0.000+/-0.000 χ^2/NDF: 20.3/20

All: -0.000+/-0.000 χ^2/NDF: 35.8/42

- sign -0.000+/-0.000 χ^2/NDF: 14.5/21

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

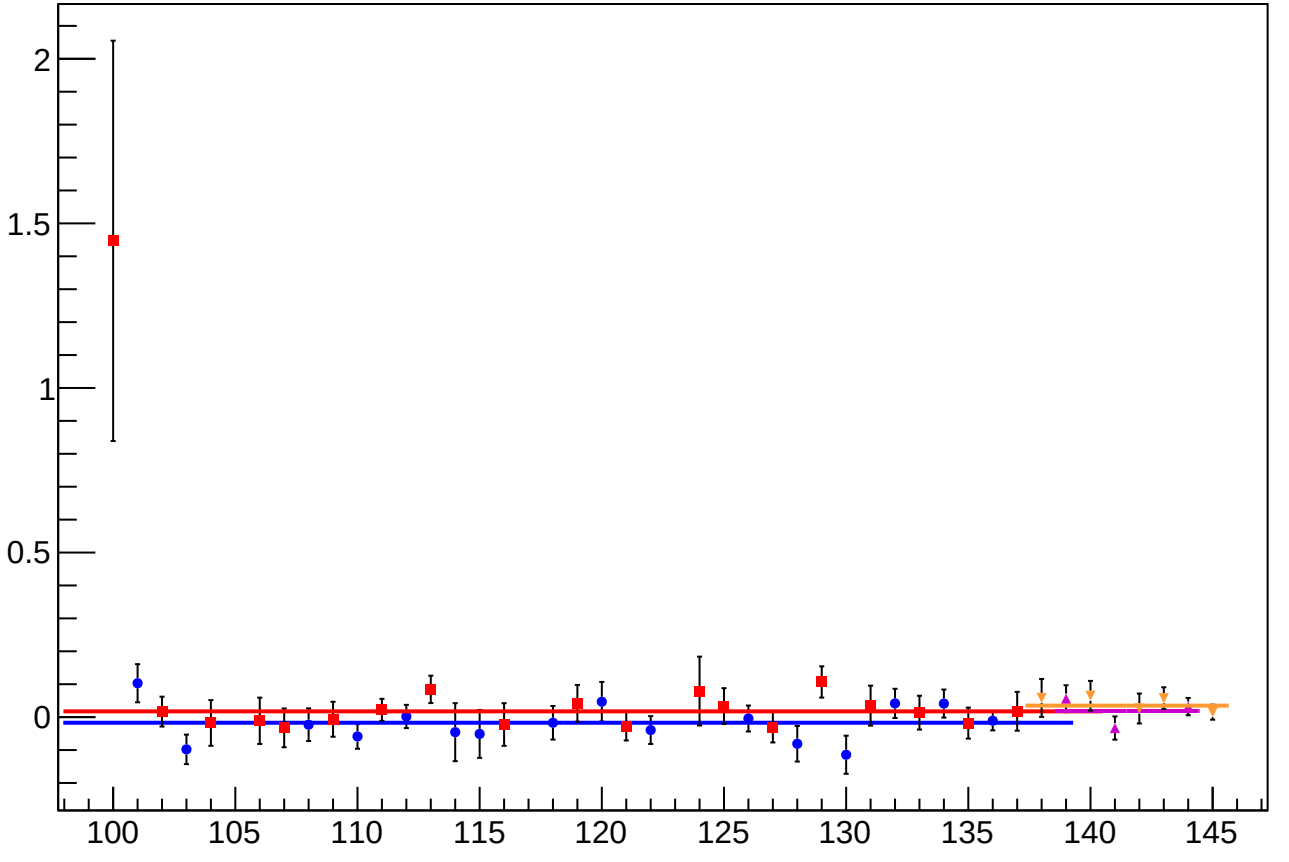
Left In: 0.000+/-0.000 χ^2/NDF:101652.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 2054073.1/20

All: 0.000+/-0.000 χ^2/NDF: 4053398.2/42

- sign 0.000+/-0.000 χ^2/NDF: 1995003.2/21

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

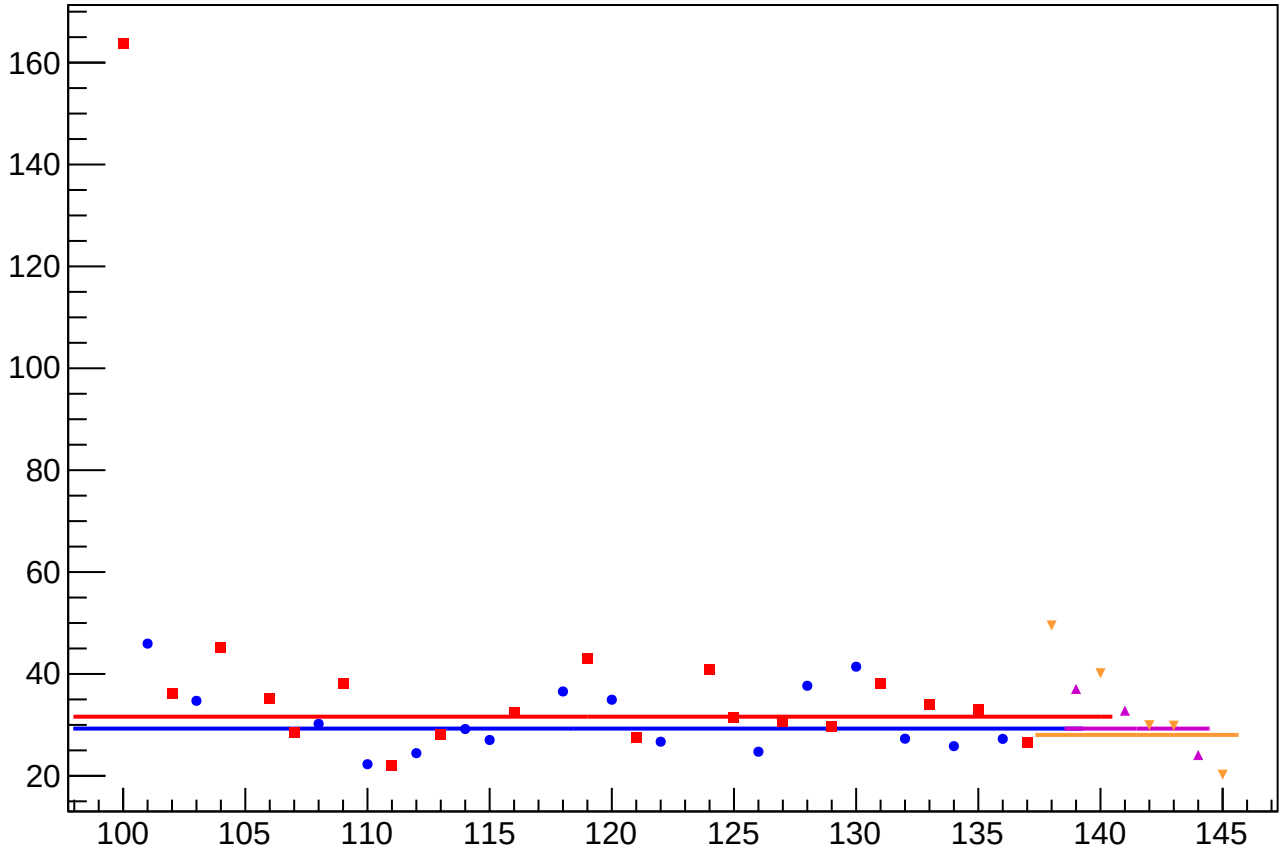
Left In: 0.019+/-0.019 χ^2/NDF:3.2/2

+ sign 0.001+/-0.009 χ^2/NDF: 28.0/20

All: 0.009+/-0.007 χ^2/NDF: 49.6/42

- sign 0.018+/-0.010 χ^2/NDF: 20.1/21

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

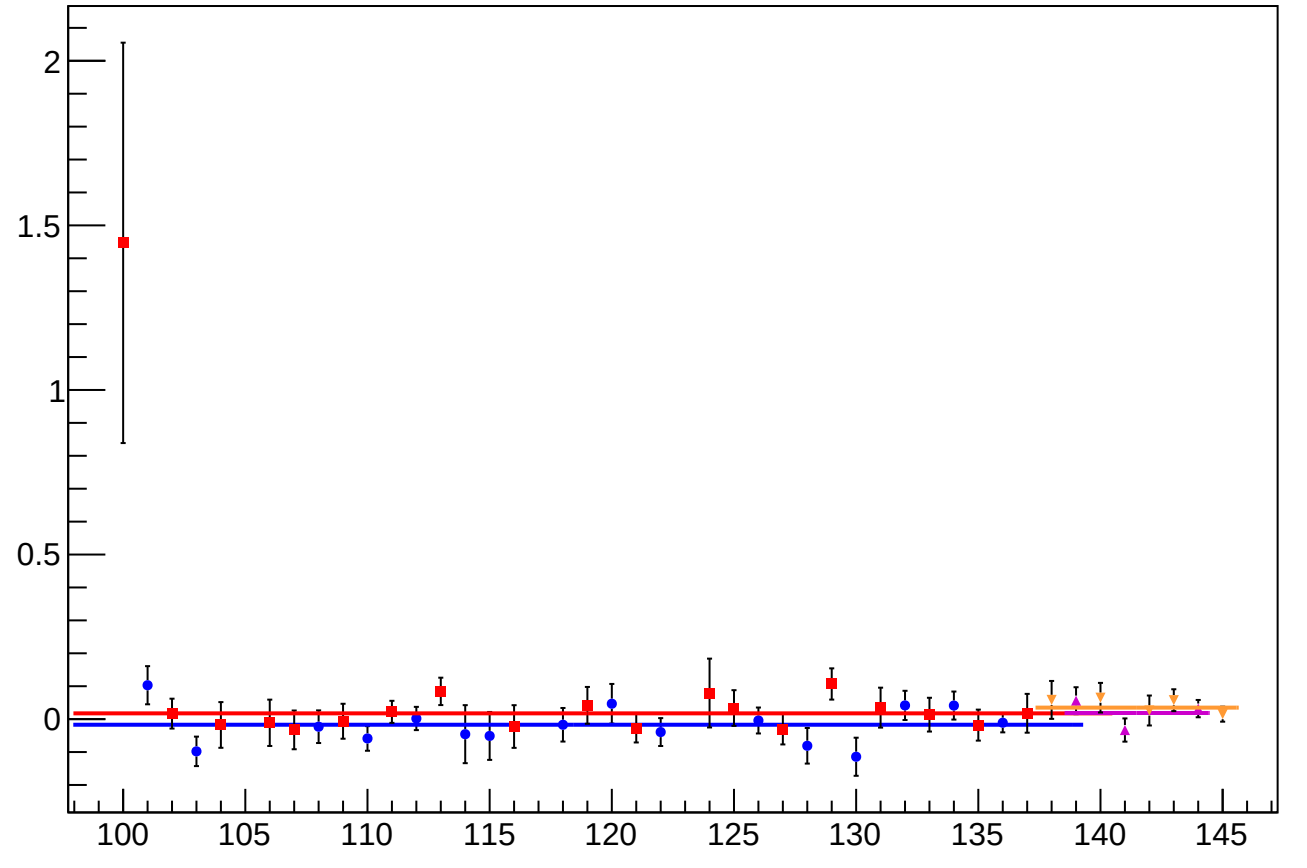
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 29.274+/-0.013 χ^2/NDF:170262.8/2

+ sign 28.849+/-0.006 χ^2/NDF: 1235438.6/20

All: 29.781+/-0.005 χ^2/NDF: 2045857.4/42

- sign 30.925+/-0.007 χ^2/NDF: 764437.6/21



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

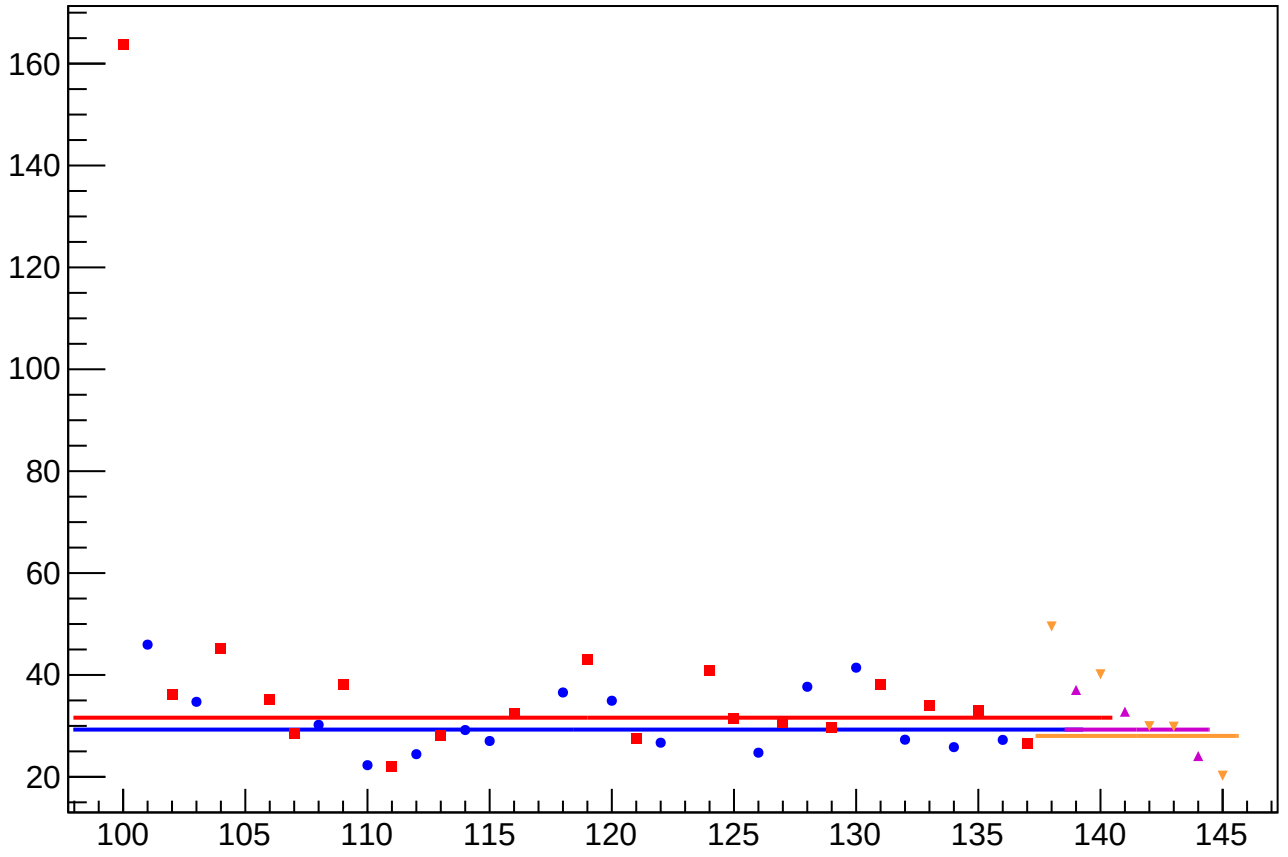
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.019+/-0.019 χ^2/NDF:3.2/2

\+ sign 0.001+/-0.009 χ^2/NDF: 28.0/20

All: 0.009+/-0.007 χ^2/NDF: 49.6/42

\- sign 0.018+/-0.010 χ^2/NDF: 20.1/21



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.036+/-0.011 χ^2/NDF:666493.3/4

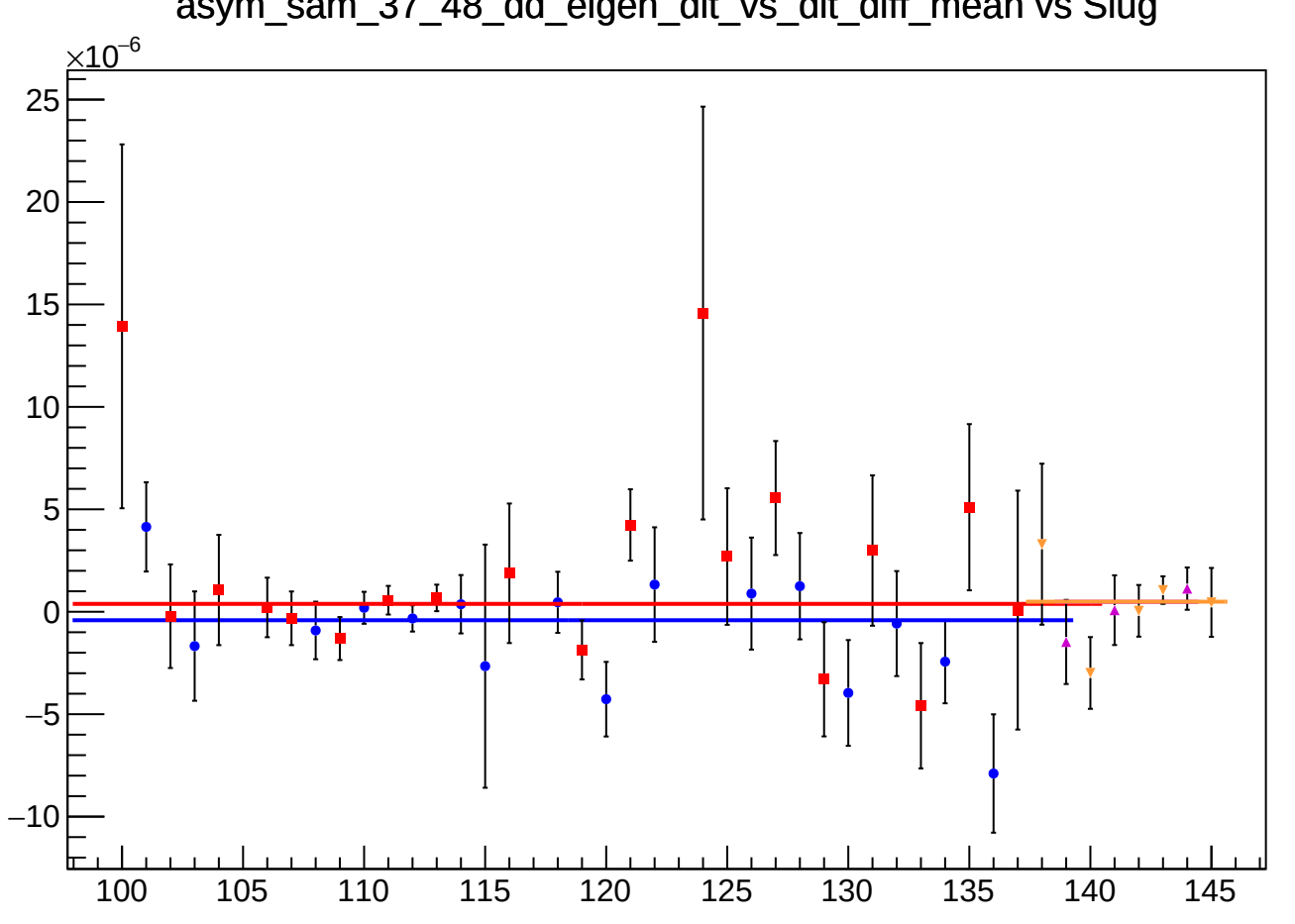
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

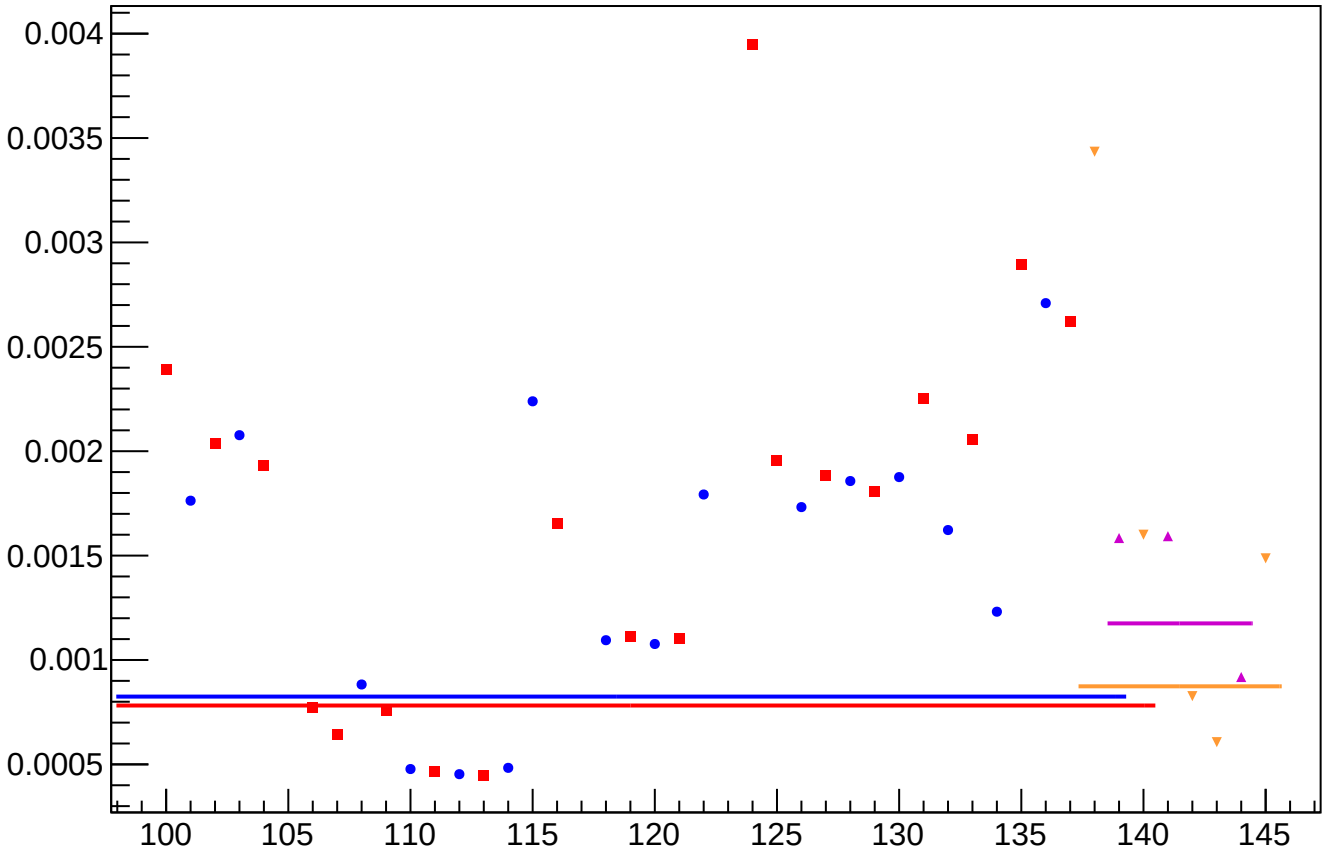
Left In: 29.274+/-0.013 χ^2/NDF:170262.8/2

+ sign 28.849+/-0.006 χ^2/NDF: 1235438.6/20

All: 29.781+/-0.005 χ^2/NDF: 2045857.4/42

- sign 30.925+/-0.007 χ^2/NDF: 764437.6/21


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
25
20
15
10
5
0
−5
−10
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 21.2/15
Left Out: 0.000+/-0.000 χ²/NDF:5.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/18
Left In: 0.000+/-0.000 χ²/NDF:1.4/2
+ sign -0.000+/-0.000 χ²/NDF: 28.5/20
All: 0.000+/-0.000 χ²/NDF: 56.5/42
- sign 0.000+/-0.000 χ²/NDF: 26.7/21



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1777652.5/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

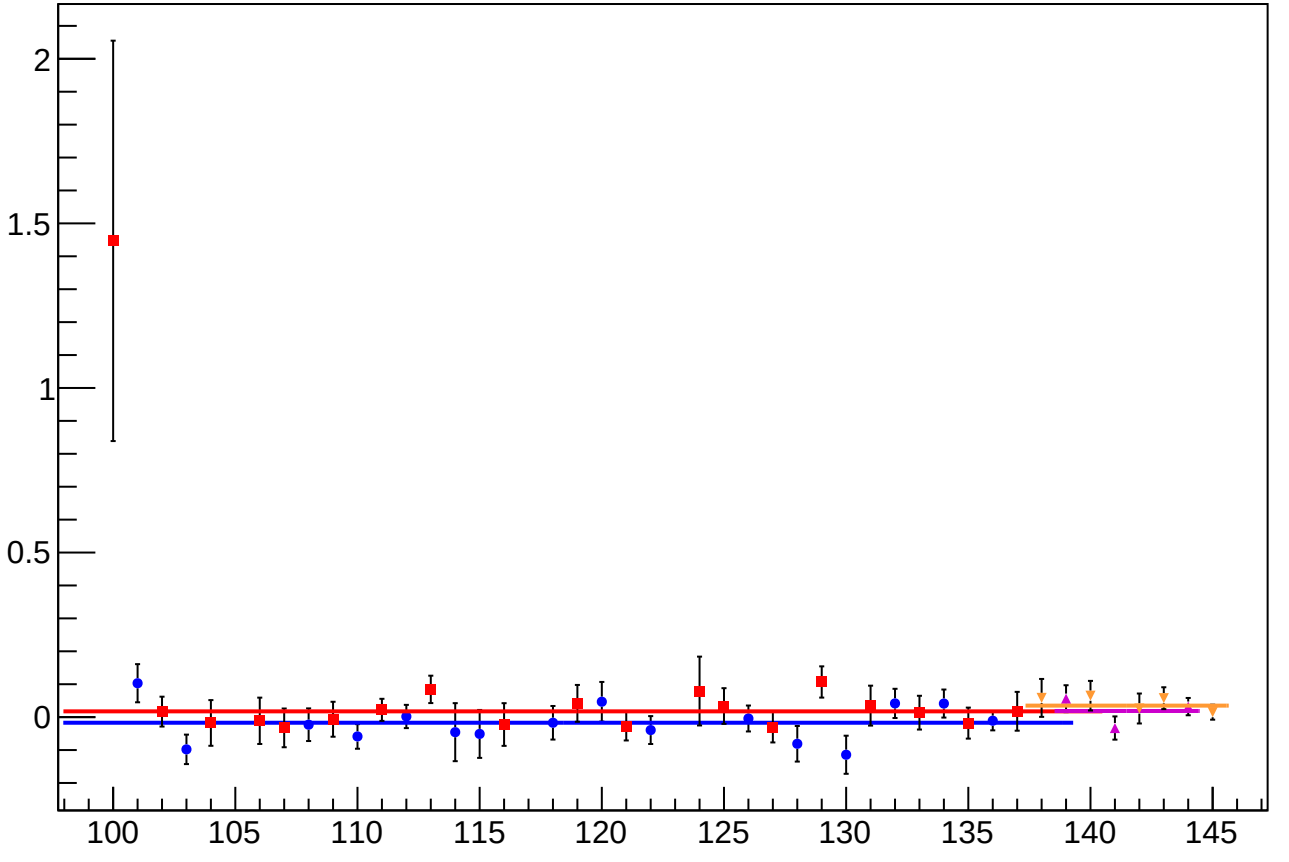
Left In: 0.001+/-0.000 χ^2/NDF:323886.4/2

+ sign 0.001+/-0.000 χ^2/NDF: 6237980.9/20

All: 0.001+/-0.000 χ^2/NDF: 11598008.3/42

- sign 0.001+/-0.000 χ^2/NDF: 5359965.2/21

asym_sam_37_48_dd_eigen_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

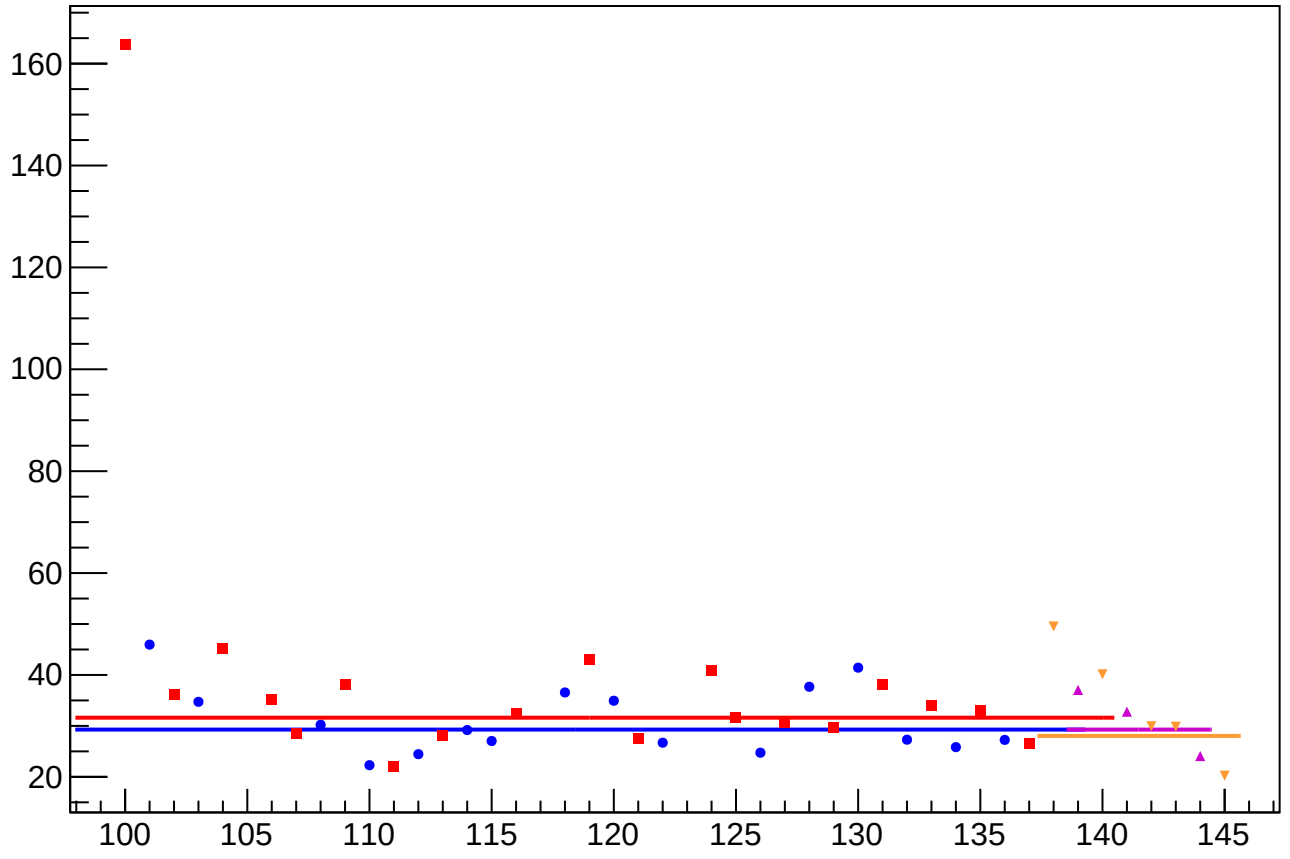
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.019+/-0.019 χ^2/NDF:3.2/2

+ sign 0.001+/-0.009 χ^2/NDF: 28.0/20

All: 0.009+/-0.007 χ^2/NDF: 49.6/42

- sign 0.018+/-0.010 χ^2/NDF: 20.1/21



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.036+/-0.011 χ^2/NDF:666537.0/4

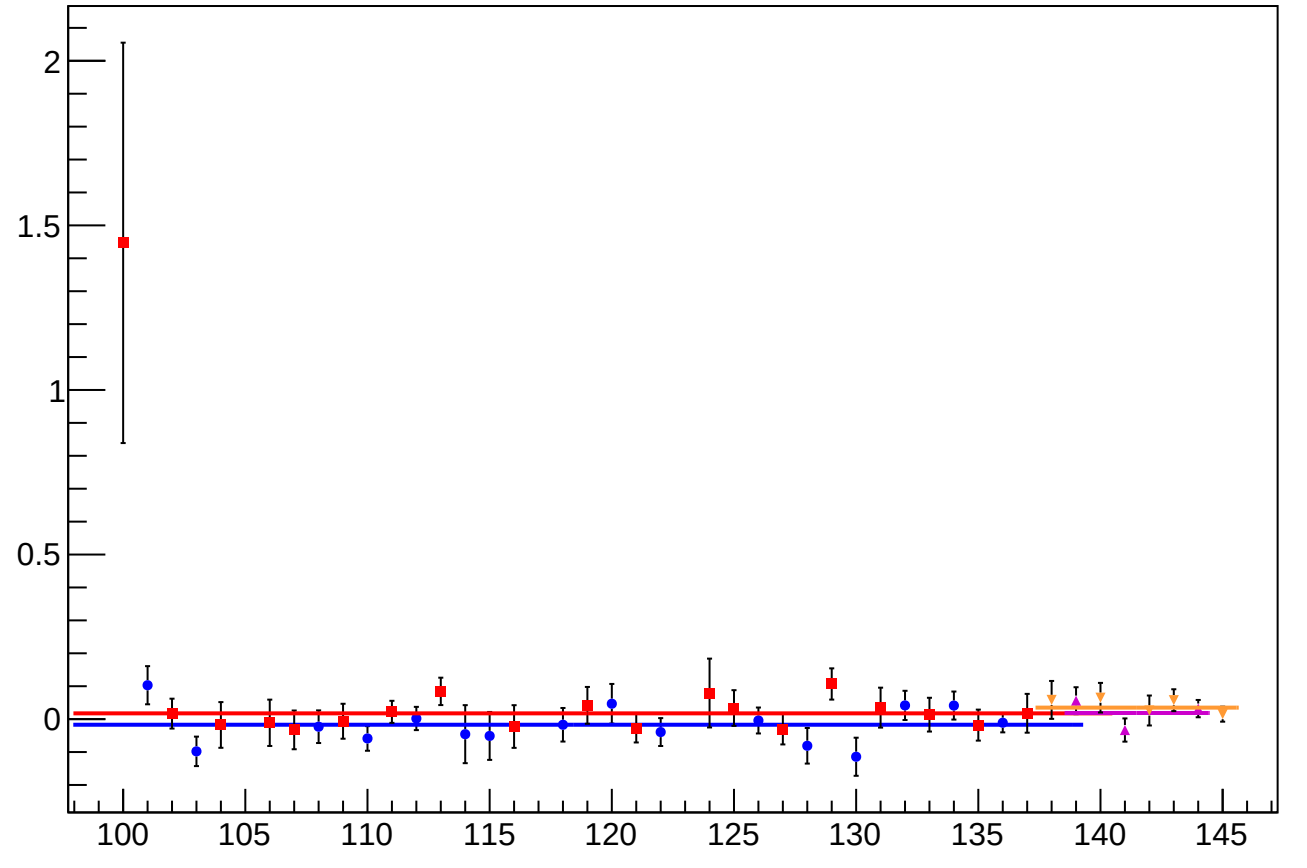
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 29.274+/-0.013 χ^2/NDF:170252.7/2

+ sign 28.849+/-0.006 χ^2/NDF: 1235492.3/20

All: 29.781+/-0.005 χ^2/NDF: 2045919.5/42

- sign 30.925+/-0.007 χ^2/NDF: 764437.4/21



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

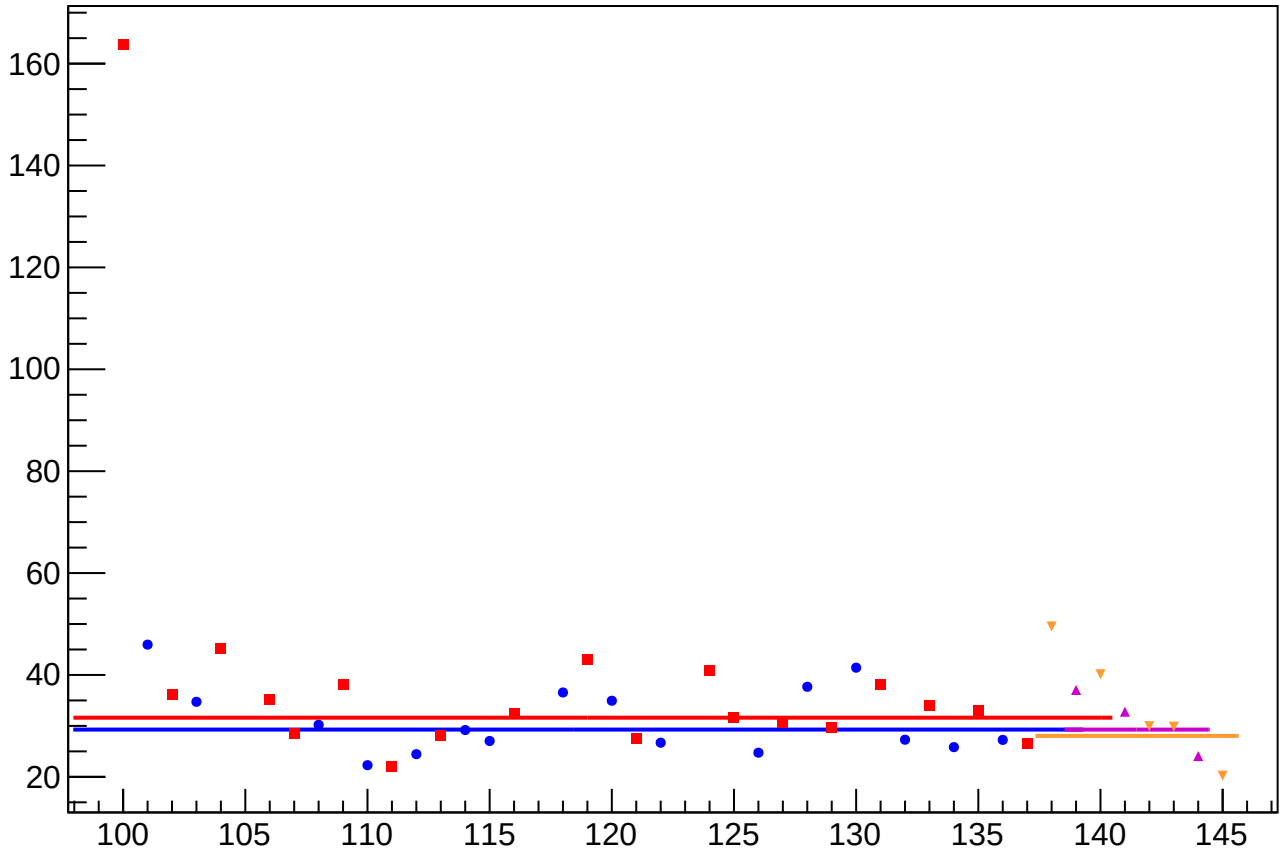
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.019+/-0.019 χ^2/NDF:3.2/2

+ sign 0.001+/-0.009 χ^2/NDF: 28.0/20

All: 0.009+/-0.007 χ^2/NDF: 49.6/42

- sign 0.018+/-0.010 χ^2/NDF: 20.1/21



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.036+/-0.011 χ^2/NDF:666537.0/4

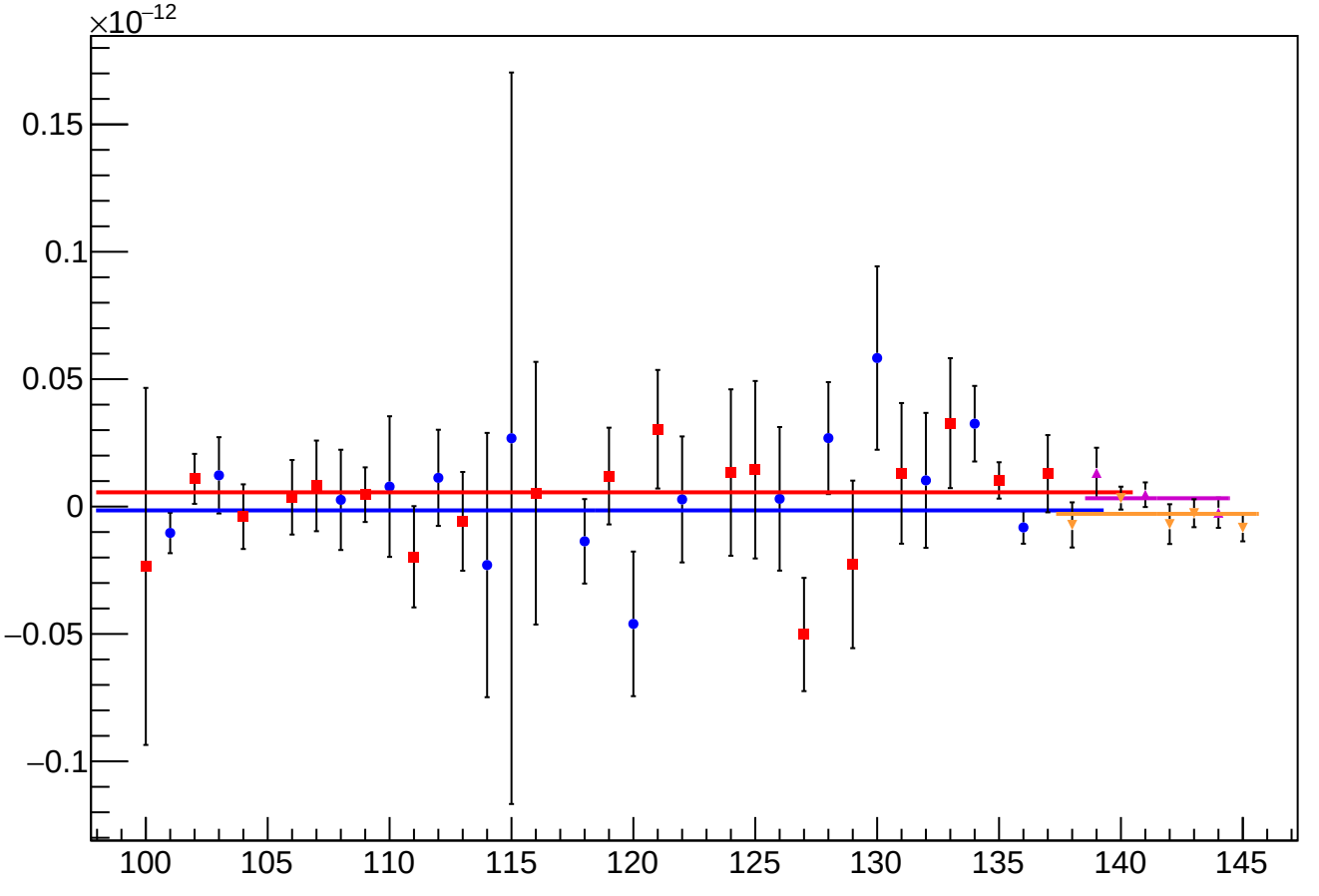
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 29.274+/-0.013 χ^2/NDF:170252.7/2

+ sign 28.849+/-0.006 χ^2/NDF: 1235492.3/20

All: 29.781+/-0.005 χ^2/NDF: 2045919.5/42

- sign 30.925+/-0.007 χ^2/NDF: 764437.4/21



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/4

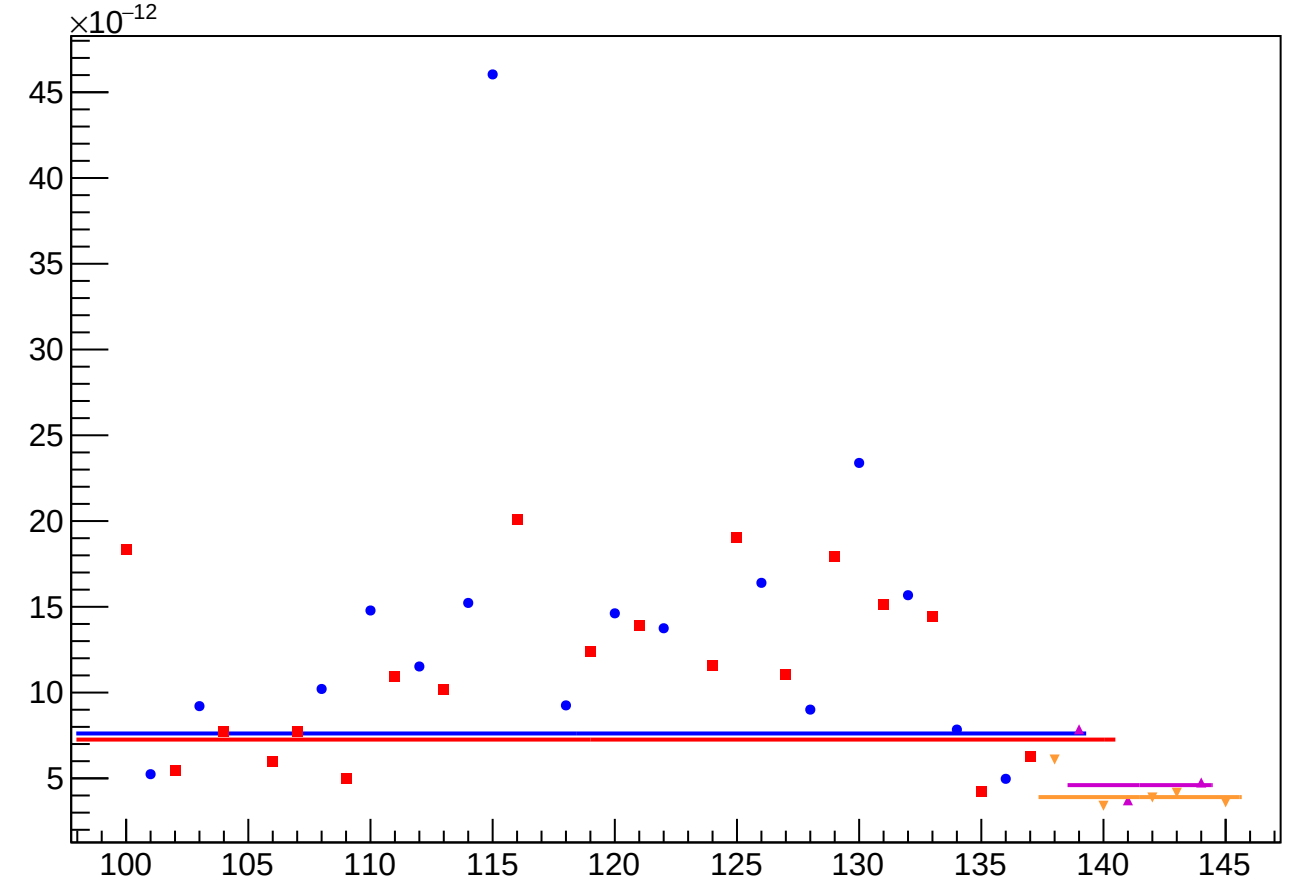
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 20.5/20

All: 0.000+/-0.000 χ^2/NDF: 40.3/42

- sign 0.000+/-0.000 χ^2/NDF: 15.6/21



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

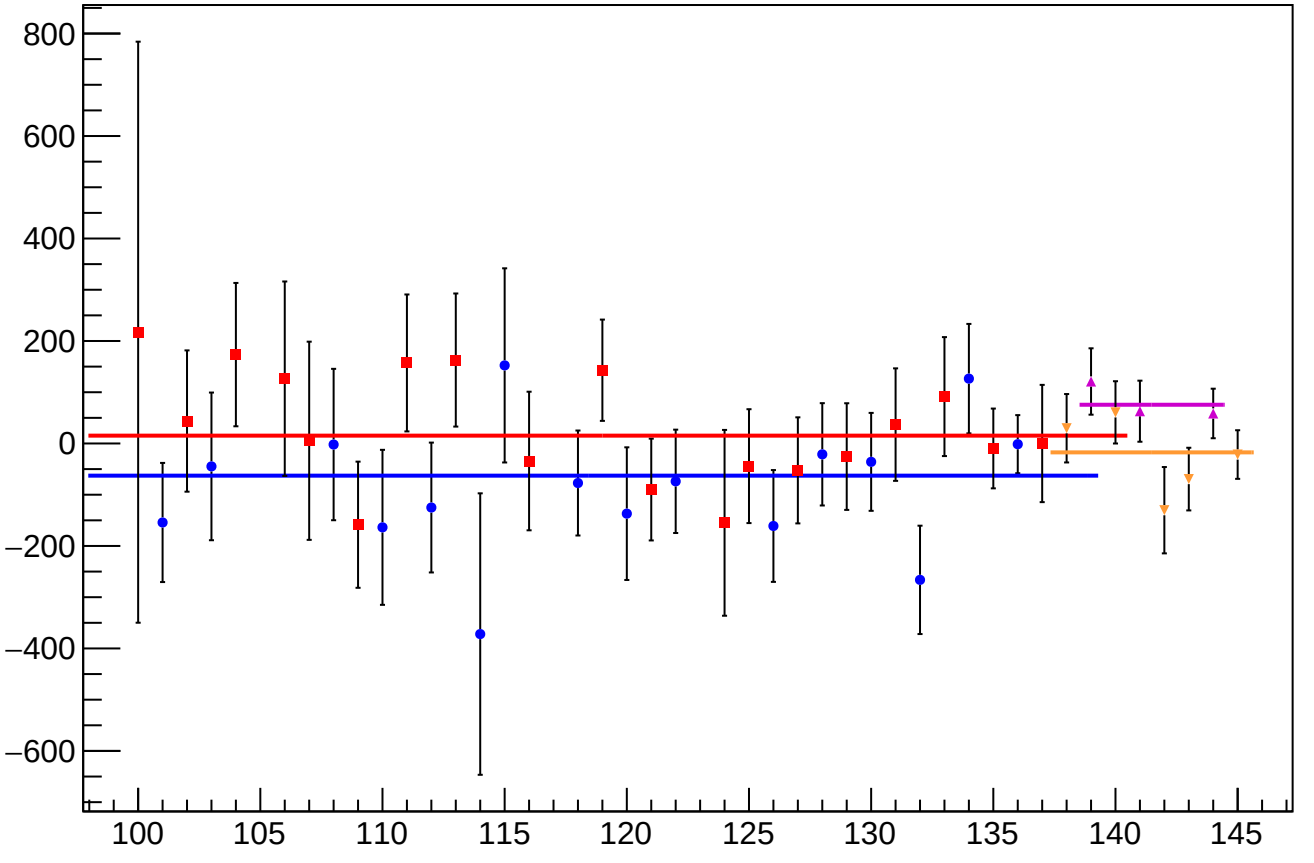
Left In: 0.000+/-0.000 χ^2/NDF:285520.8/2

+ sign 0.000+/-0.000 χ^2/NDF: 3465184.3/20

All: 0.000+/-0.000 χ^2/NDF: 6414370.6/42

- sign 0.000+/-0.000 χ^2/NDF: 2834975.4/21

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

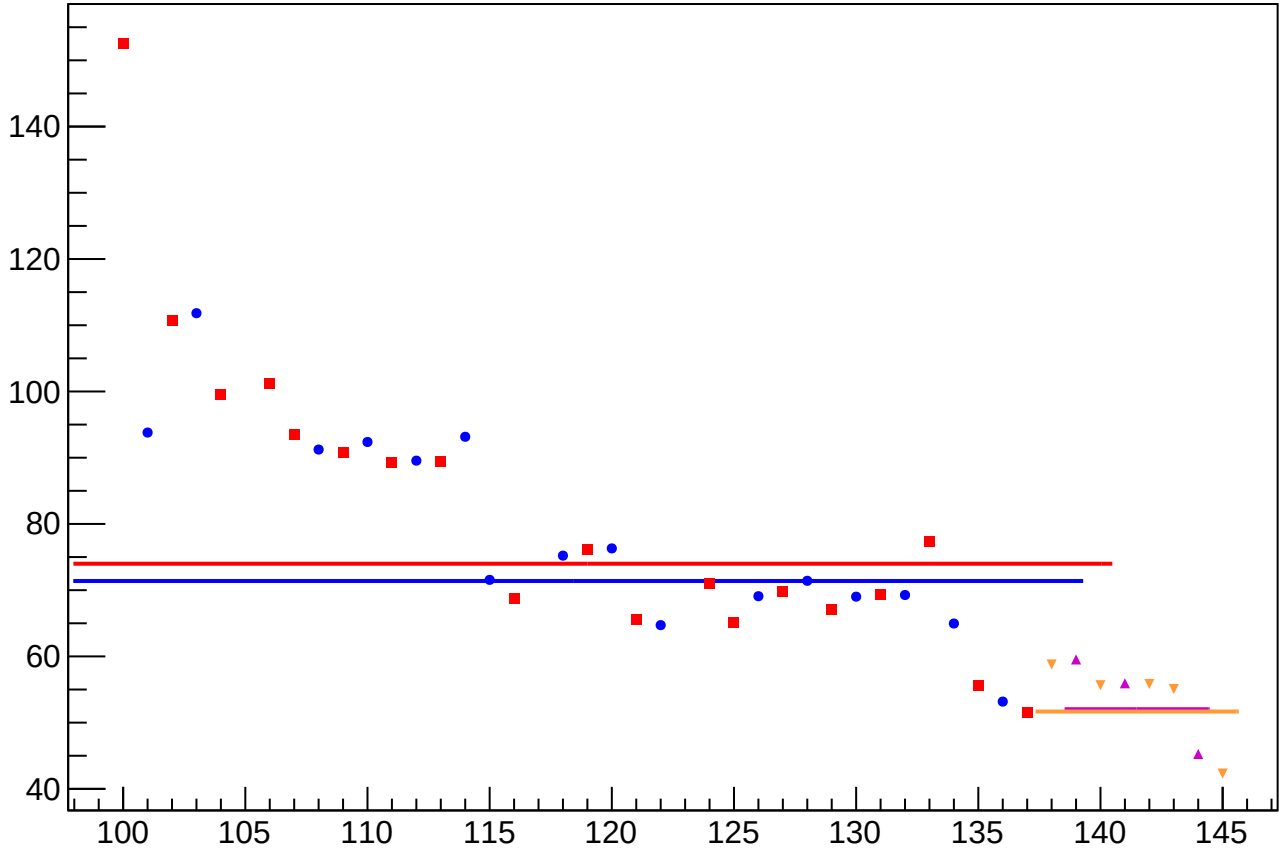
Left In: 75.561+/-32.480 χ^2/NDF:0.7/2

+ sign -40.108+/-19.252 χ^2/NDF: 19.6/20

All: -3.393+/-14.224 χ^2/NDF: 41.7/42

- sign 40.741+/-21.107 χ^2/NDF: 14.1/21

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

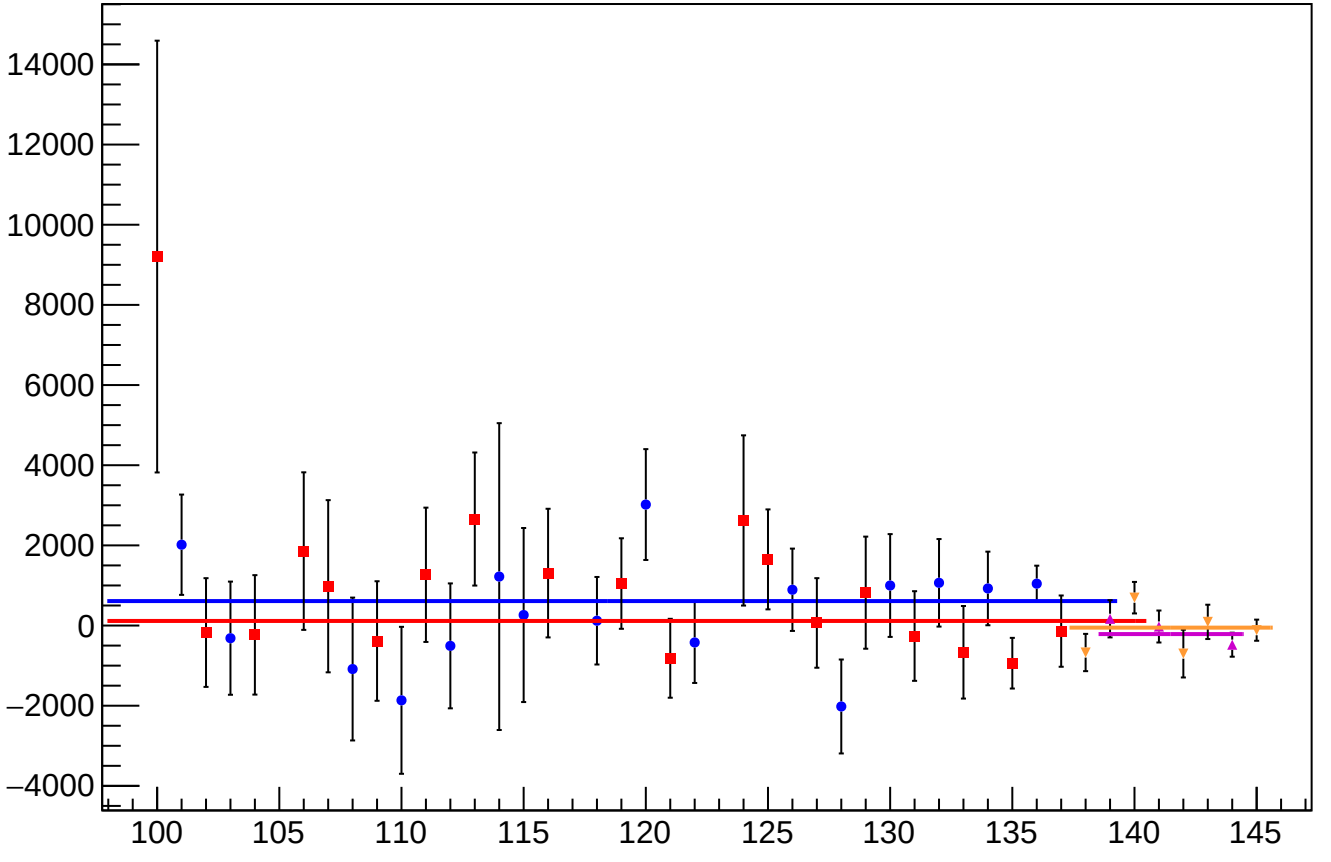
Left In: 52.028+/-0.023 χ^2/NDF:74674.6/2

+ sign 61.539+/-0.014 χ^2/NDF: 1234991.2/20

All: 62.983+/-0.010 χ^2/NDF: 2501306.1/42

- sign 64.718+/-0.015 χ^2/NDF: 1241563.1/21

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: -52.036+/-172.109 χ^2/NDF:6.8/4

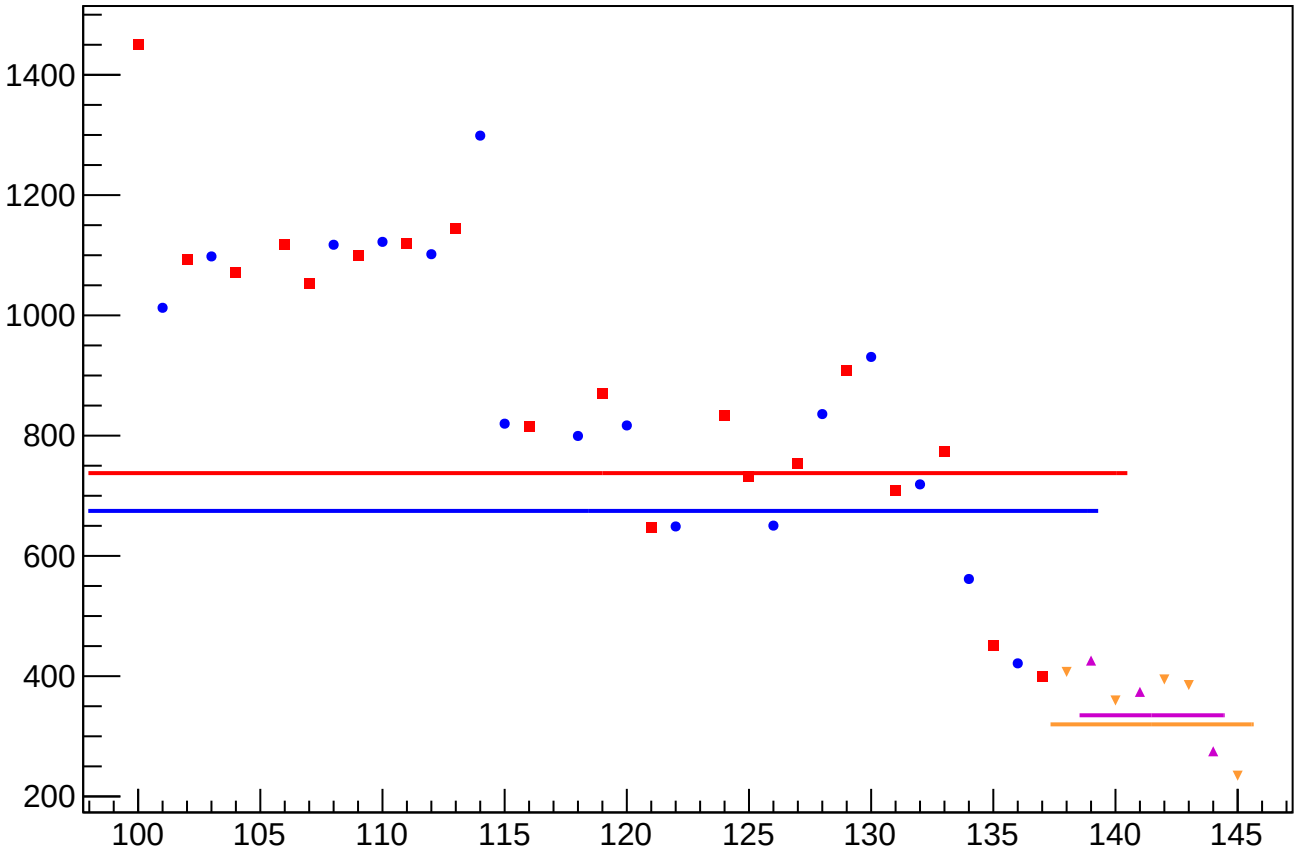
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -212.812+/-212.795 χ^2/NDF:1.7/2

+ sign 142.668+/-144.628 χ^2/NDF: 26.8/20

All: 43.021+/-110.255 χ^2/NDF: 46.0/42

- sign -95.242+/-170.362 χ^2/NDF: 18.1/21



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

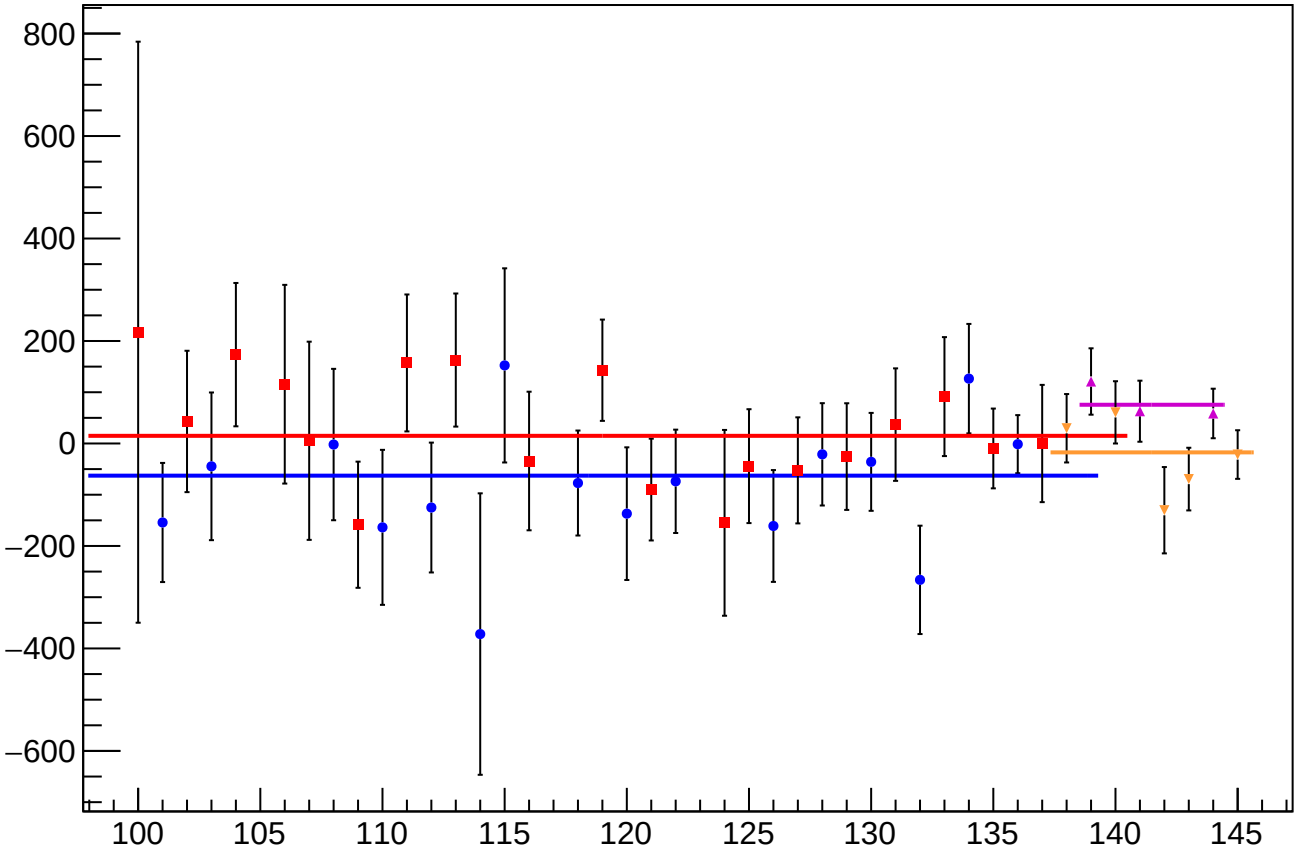
Left In: 334.969+/-0.150 χ^2/NDF:175852.1/2

+ sign 424.168+/-0.102 χ^2/NDF: 4495957.1/20

All: 447.369+/-0.078 χ^2/NDF: 8883236.4/42

- sign 479.561+/-0.120 χ^2/NDF: 4264395.4/21

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

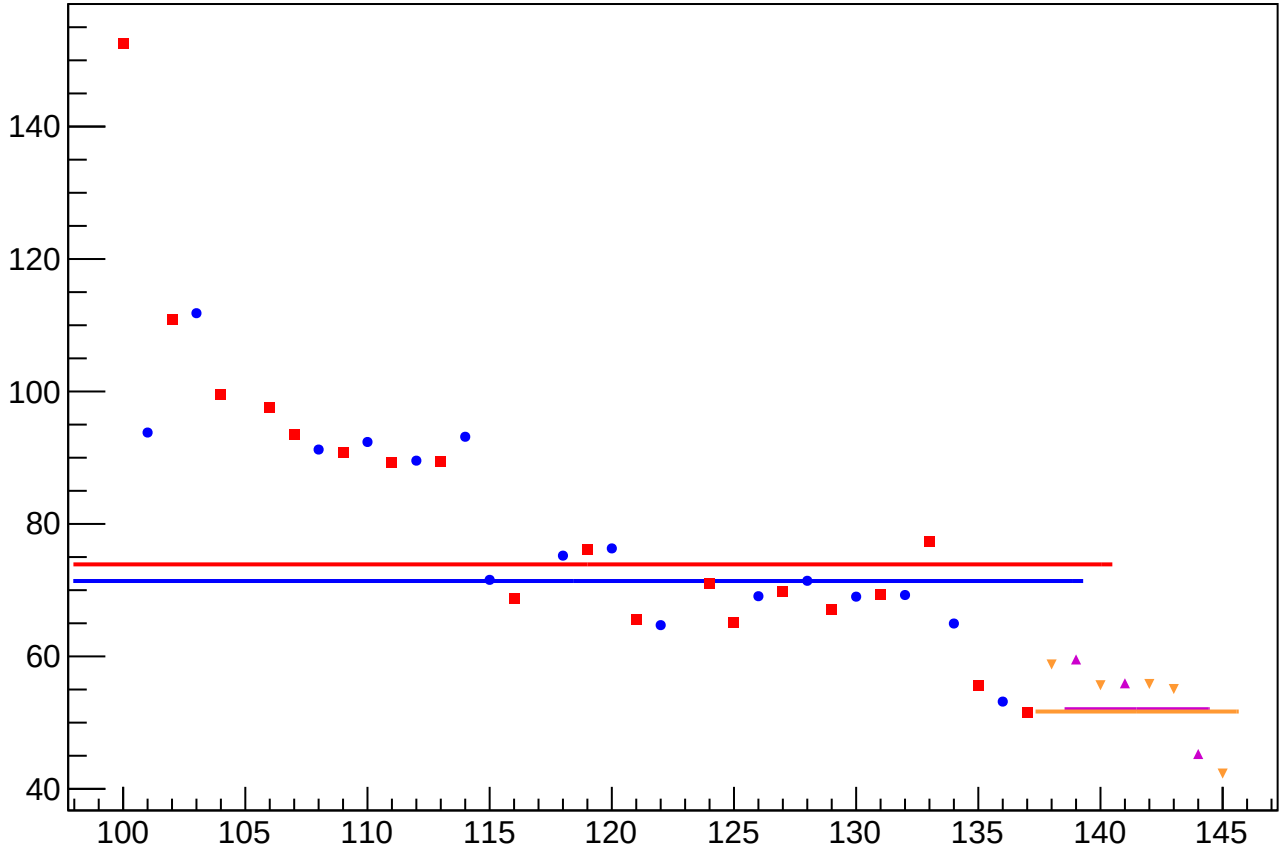
Left In: 75.565+/-32.480 χ^2/NDF:0.7/2

+ sign -40.103+/-19.252 χ^2/NDF: 19.6/20

All: -3.487+/-14.226 χ^2/NDF: 41.6/42

- sign 40.551+/-21.113 χ^2/NDF: 14.1/21

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

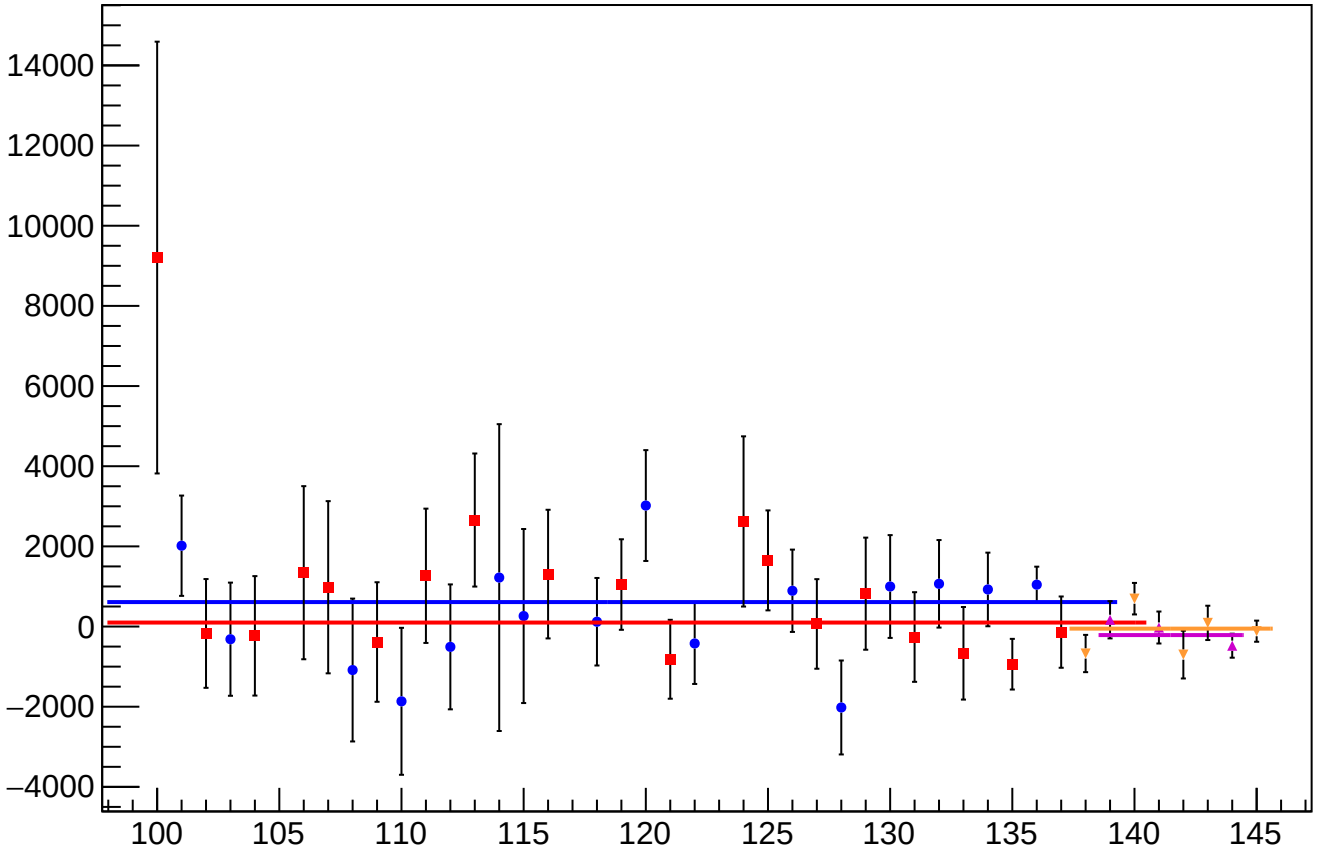
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.028+/-0.023 χ^2/NDF:74674.6/2

+ sign 61.539+/-0.014 χ^2/NDF: 1234993.9/20

All: 62.954+/-0.010 χ^2/NDF: 2483903.9/42

- sign 64.655+/-0.015 χ^2/NDF: 1225132.6/21



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -52.036+/-172.109 χ^2/NDF:6.8/4

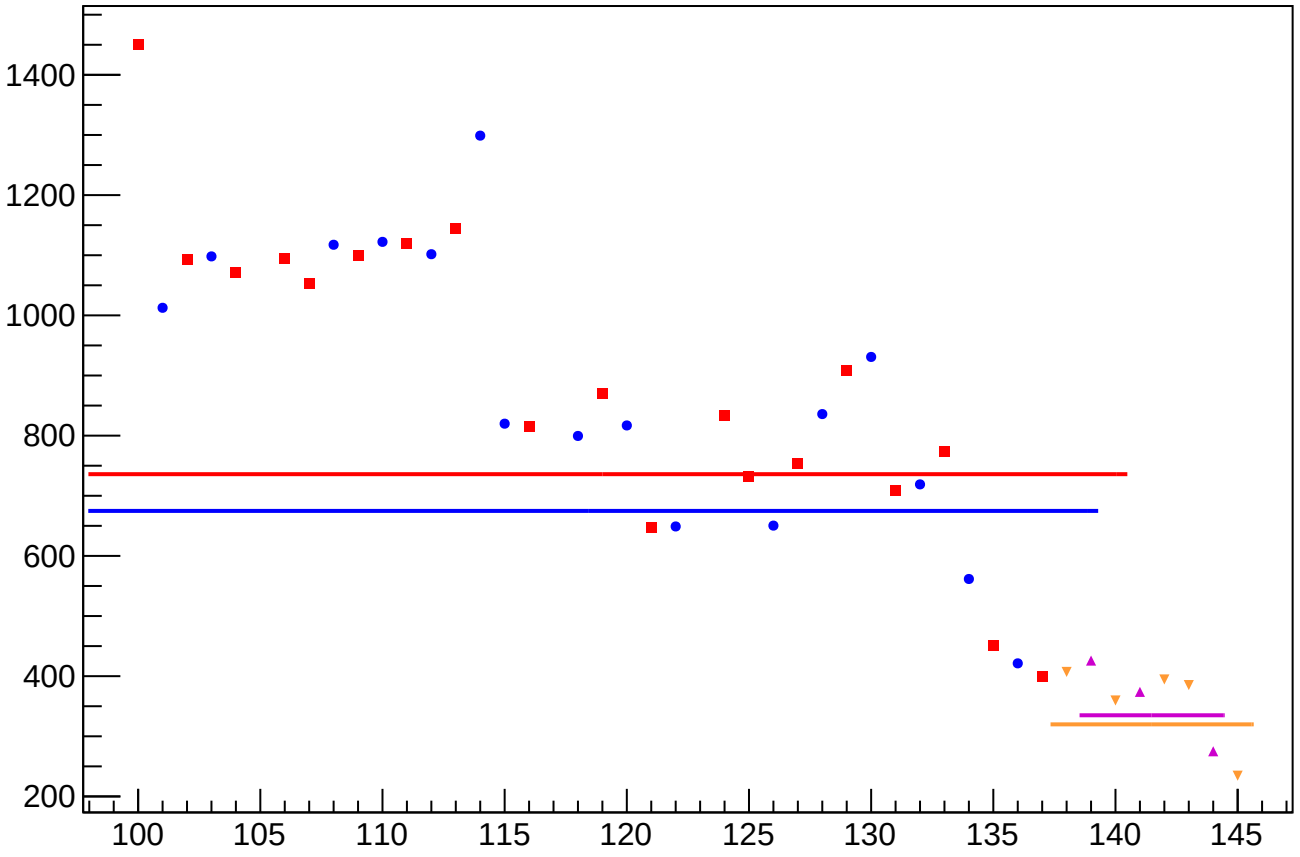
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -212.804+/-212.795 χ^2/NDF:1.7/2

+ sign 142.664+/-144.628 χ^2/NDF: 26.8/20

All: 40.721+/-110.285 χ^2/NDF: 45.5/42

- sign -100.913+/-170.474 χ^2/NDF: 17.5/21



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

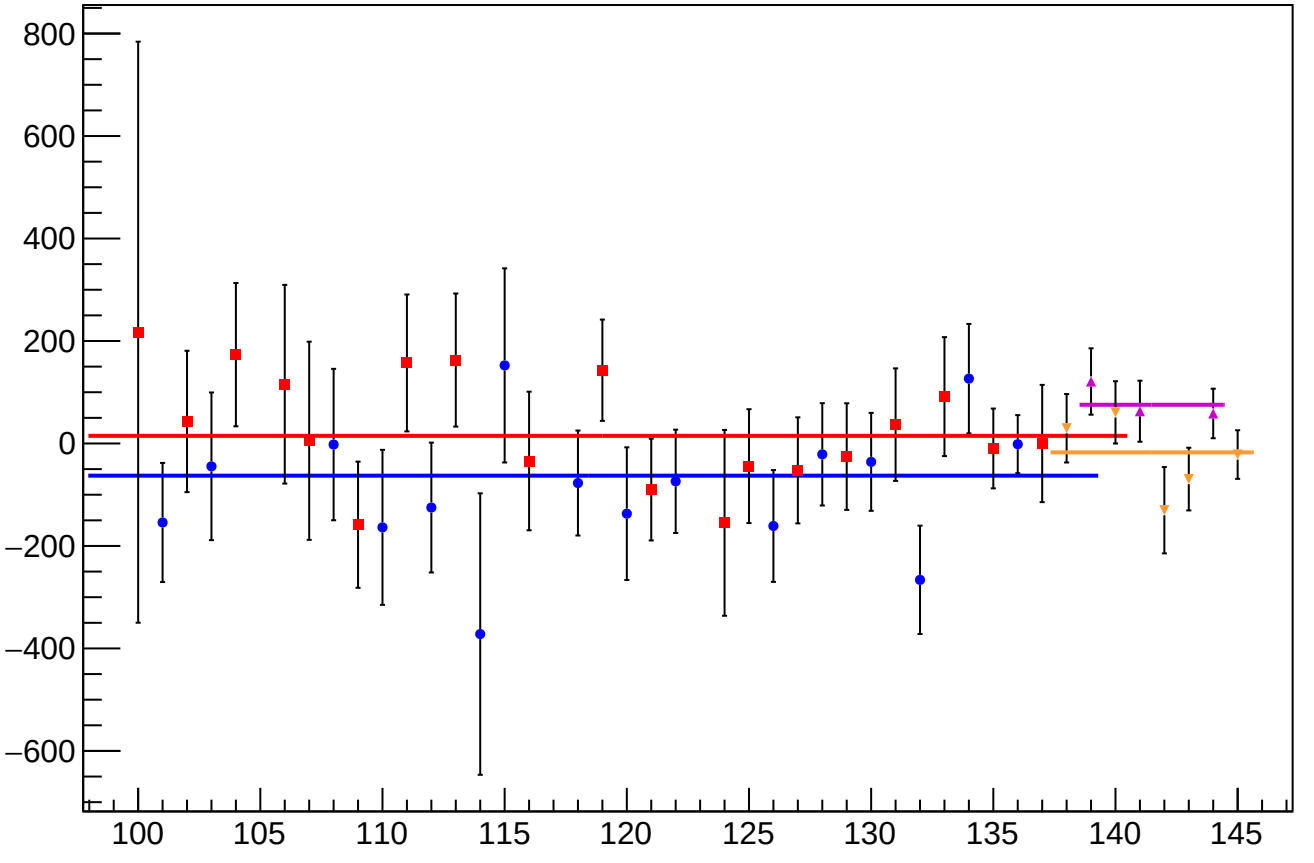
Left In: 334.970+/-0.150 χ^2/NDF:175852.4/2

+ sign 424.167+/-0.102 χ^2/NDF: 4495992.4/20

All: 446.947+/-0.078 χ^2/NDF: 8830836.3/42

- sign 478.595+/-0.121 χ^2/NDF: 4216298.1/21

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

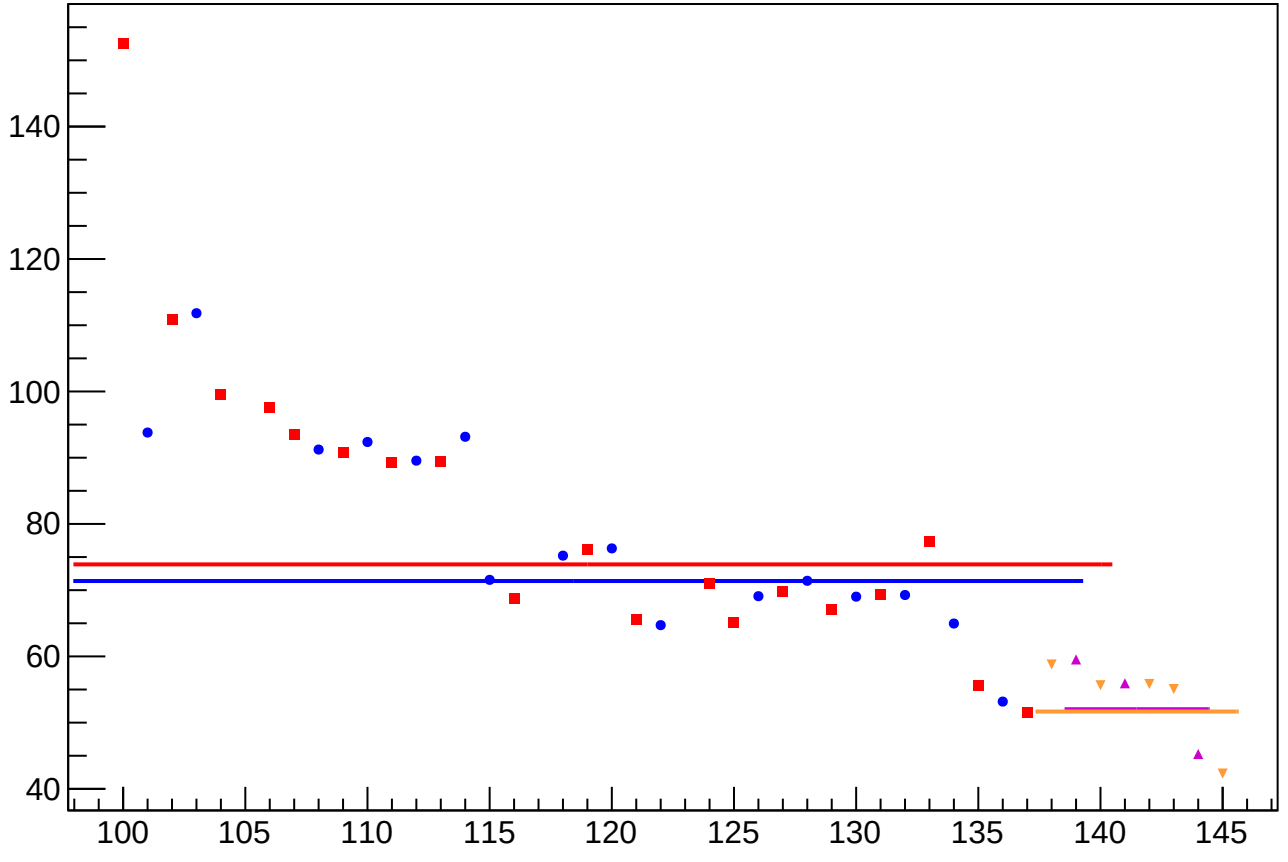
Left In: 75.565+/-32.480 χ^2/NDF:0.7/2

+ sign -40.103+/-19.252 χ^2/NDF: 19.6/20

All: -3.487+/-14.226 χ^2/NDF: 41.6/42

- sign 40.551+/-21.113 χ^2/NDF: 14.1/21

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

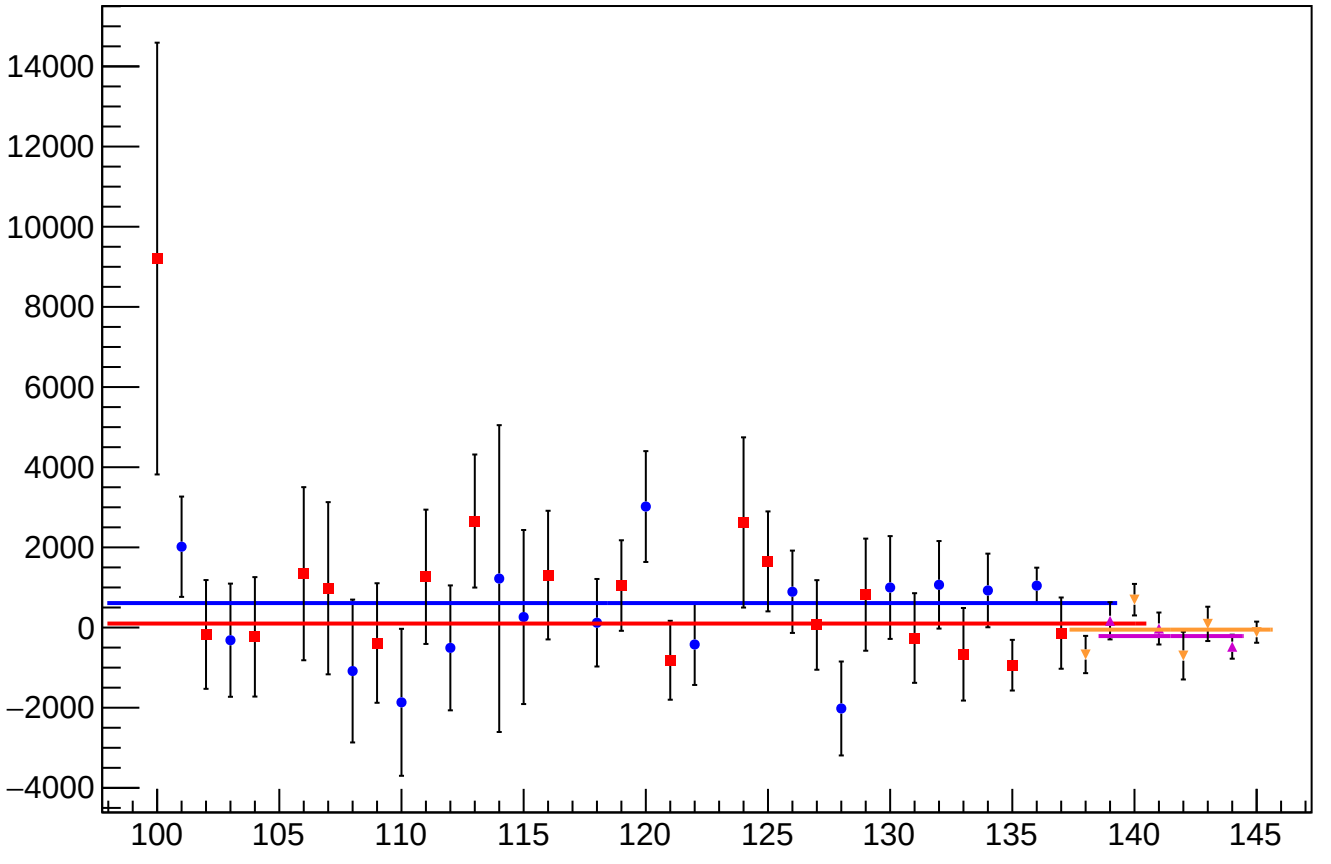
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.028+/-0.023 χ^2/NDF:74674.6/2

+ sign 61.539+/-0.014 χ^2/NDF: 1234993.9/20

All: 62.954+/-0.010 χ^2/NDF: 2483903.9/42

- sign 64.655+/-0.015 χ^2/NDF: 1225132.6/21



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -52.036+/-172.109 χ^2/NDF:6.8/4

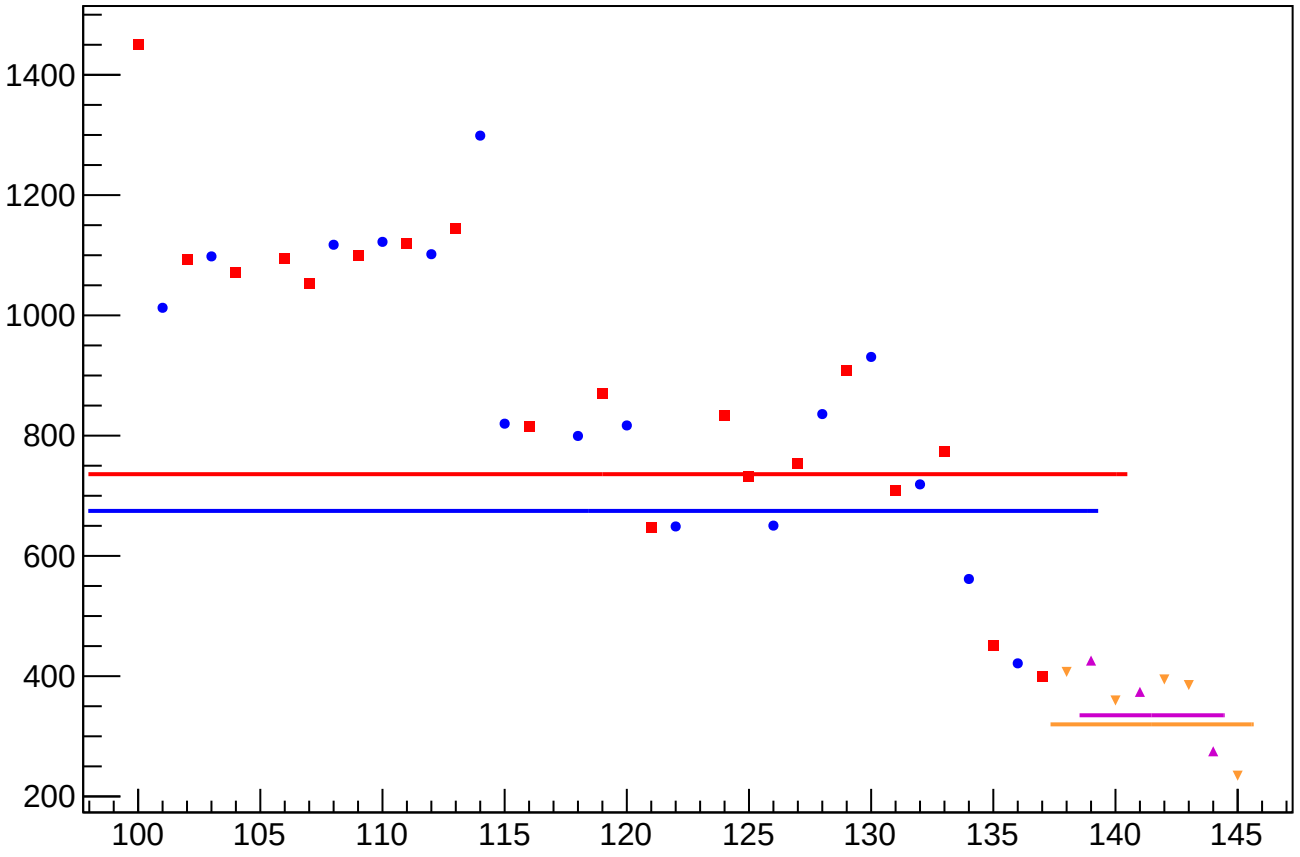
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -212.804+/-212.795 χ^2/NDF:1.7/2

+ sign 142.664+/-144.628 χ^2/NDF: 26.8/20

All: 40.721+/-110.285 χ^2/NDF: 45.5/42

- sign -100.913+/-170.474 χ^2/NDF: 17.5/21



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

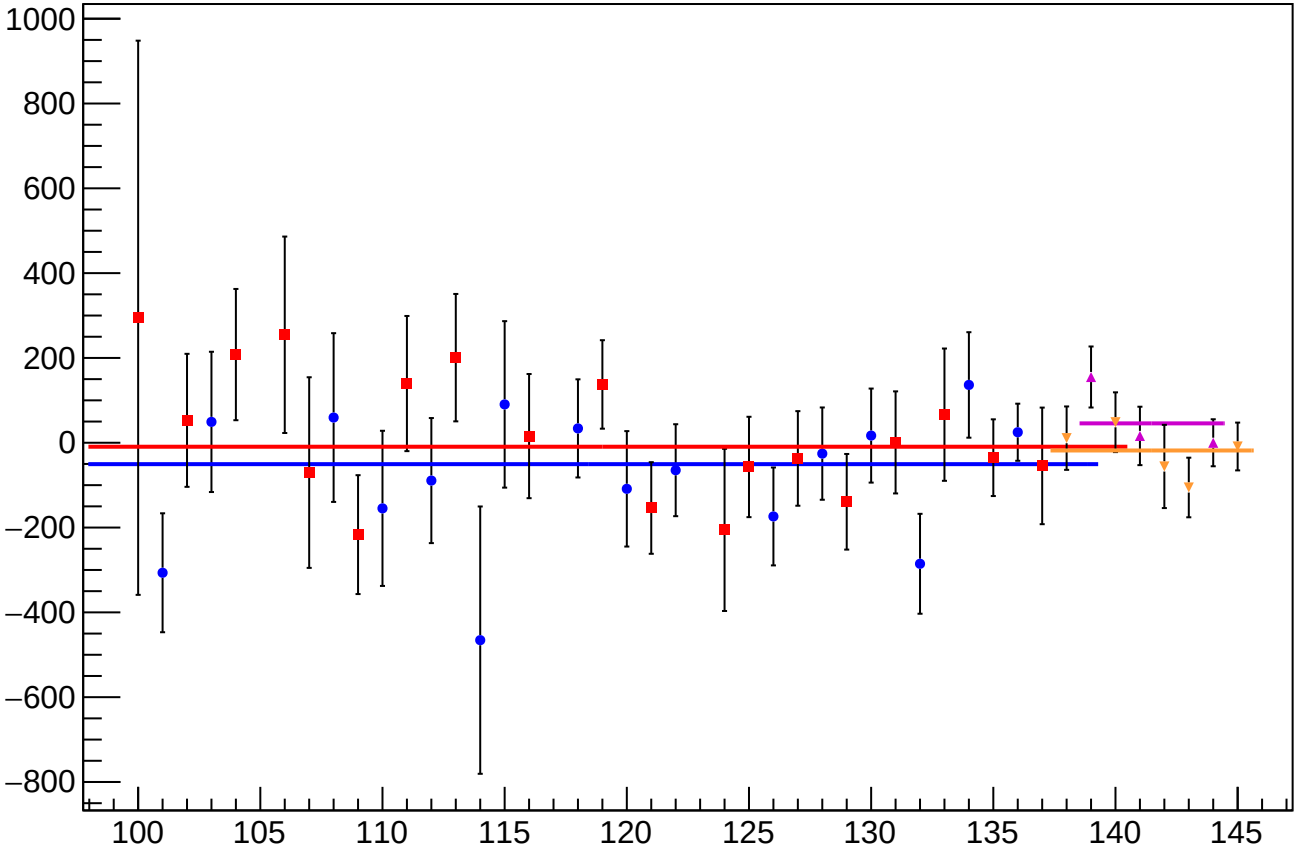
Left In: 334.970+/-0.150 χ^2/NDF:175852.4/2

+ sign 424.167+/-0.102 χ^2/NDF: 4495992.4/20

All: 446.947+/-0.078 χ^2/NDF: 8830836.3/42

- sign 478.595+/-0.121 χ^2/NDF: 4216298.1/21

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

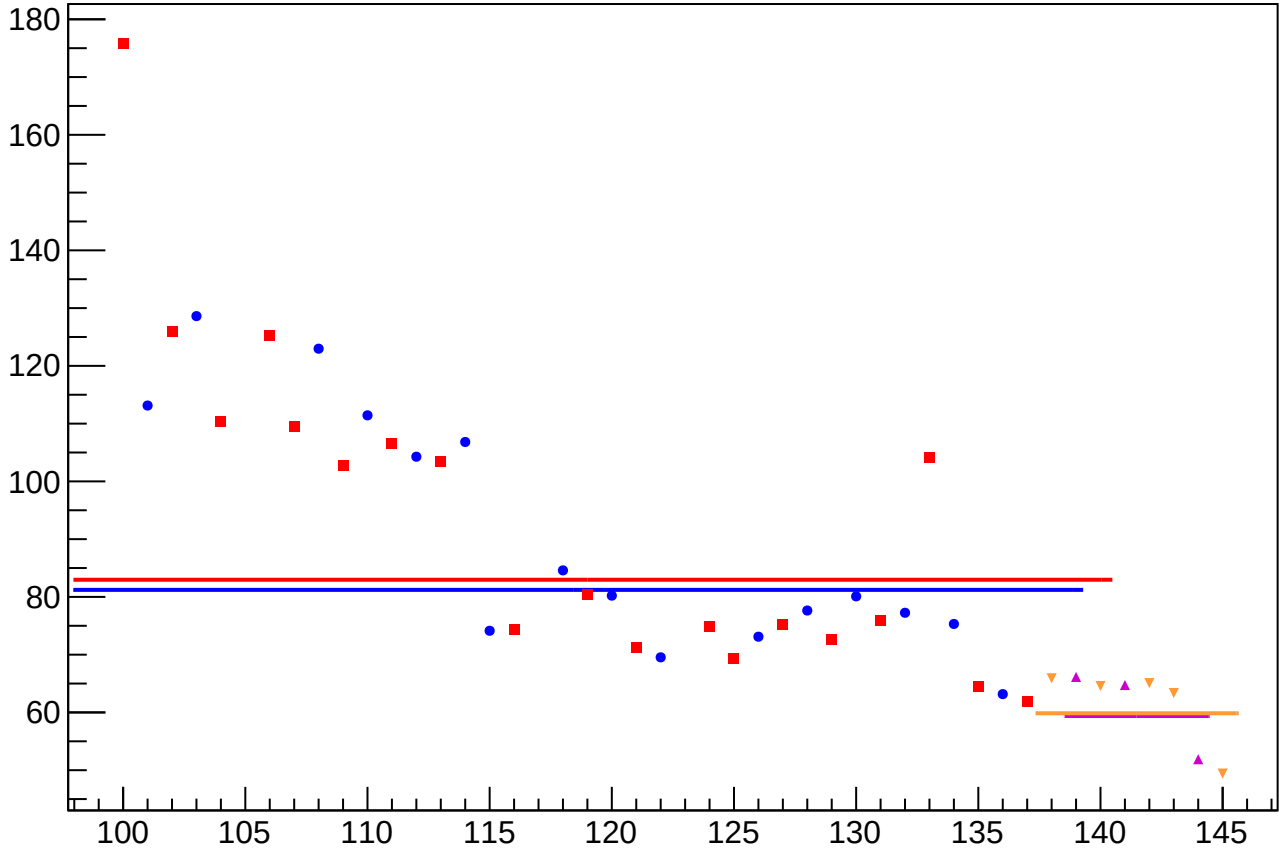
Left In: 45.702+/-37.026 χ^2/NDF:3.2/2

+ sign -34.621+/-22.151 χ^2/NDF: 19.7/20

All: -12.350+/-16.238 χ^2/NDF: 41.9/42

- sign 13.520+/-23.874 χ^2/NDF: 20.0/21

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

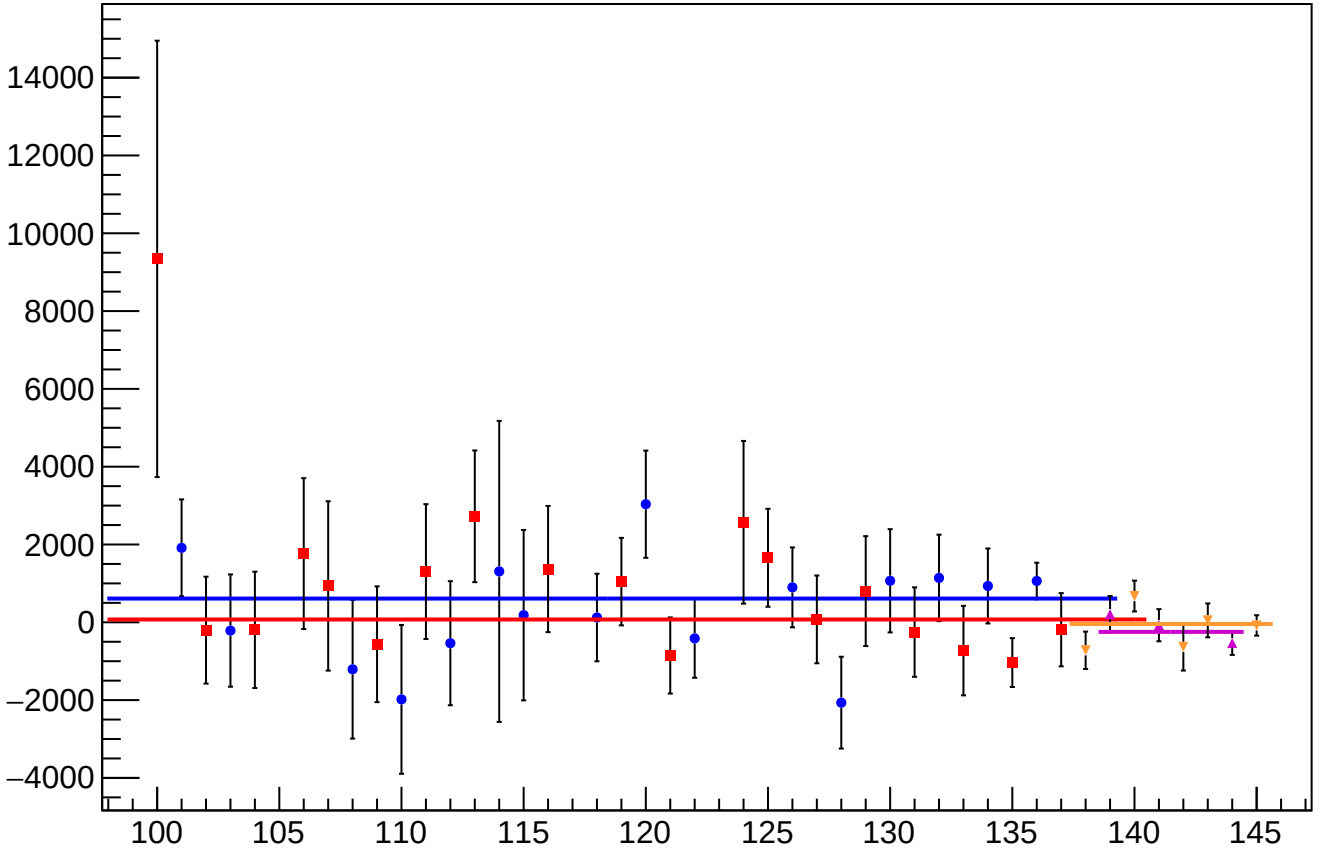
Left In: 59.385+/-0.026 χ^2/NDF:66222.6/2

+ sign 70.718+/-0.016 χ^2/NDF: 1229237.5/20

All: 71.850+/-0.011 χ^2/NDF: 2511261.2/42

- sign 73.165+/-0.017 χ^2/NDF: 1270738.5/21

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

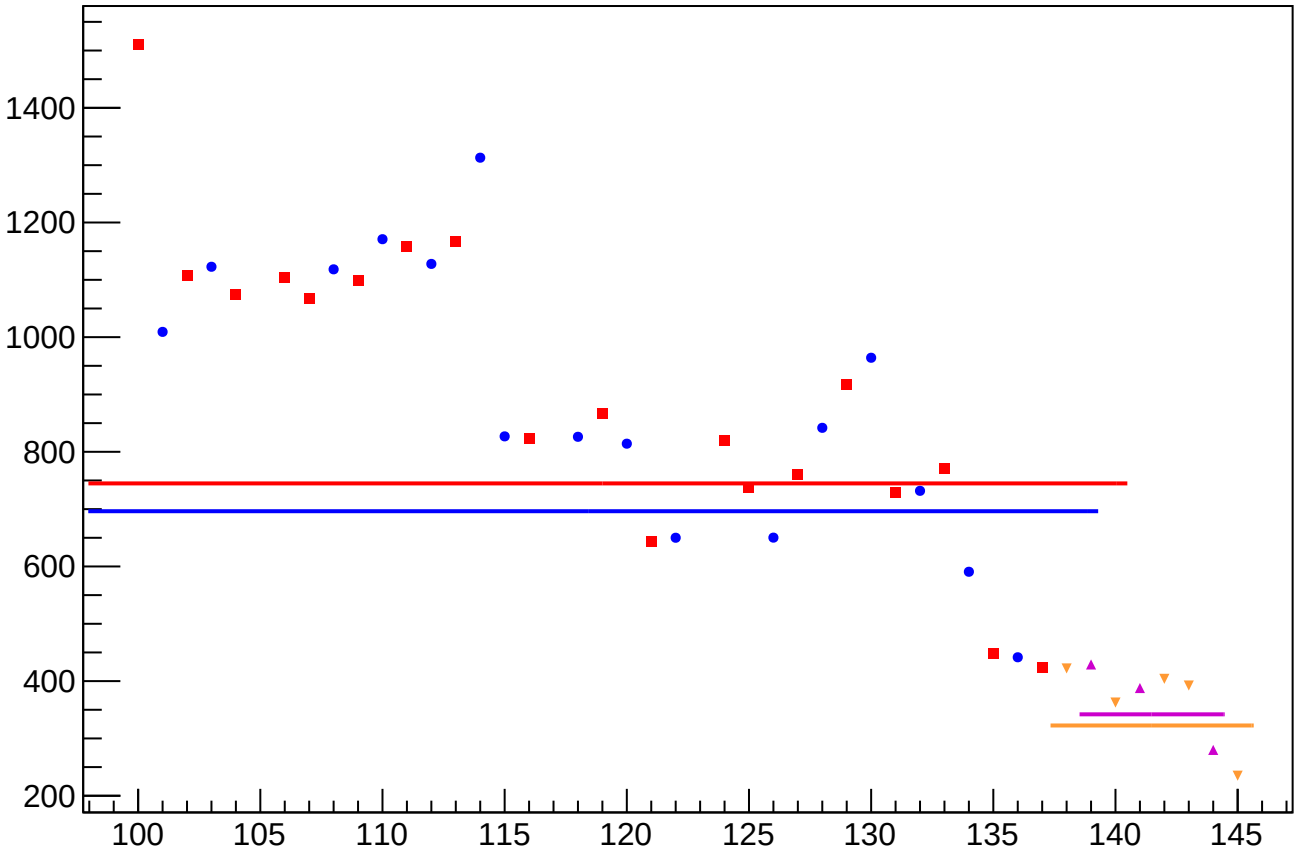
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -245.875+/-217.371 χ^2/NDF:2.0/2

+ sign 144.092+/-146.595 χ^2/NDF: 26.1/20

All: 29.808+/-111.907 χ^2/NDF: 46.5/42

- sign -129.799+/-173.243 χ^2/NDF: 19.0/21



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

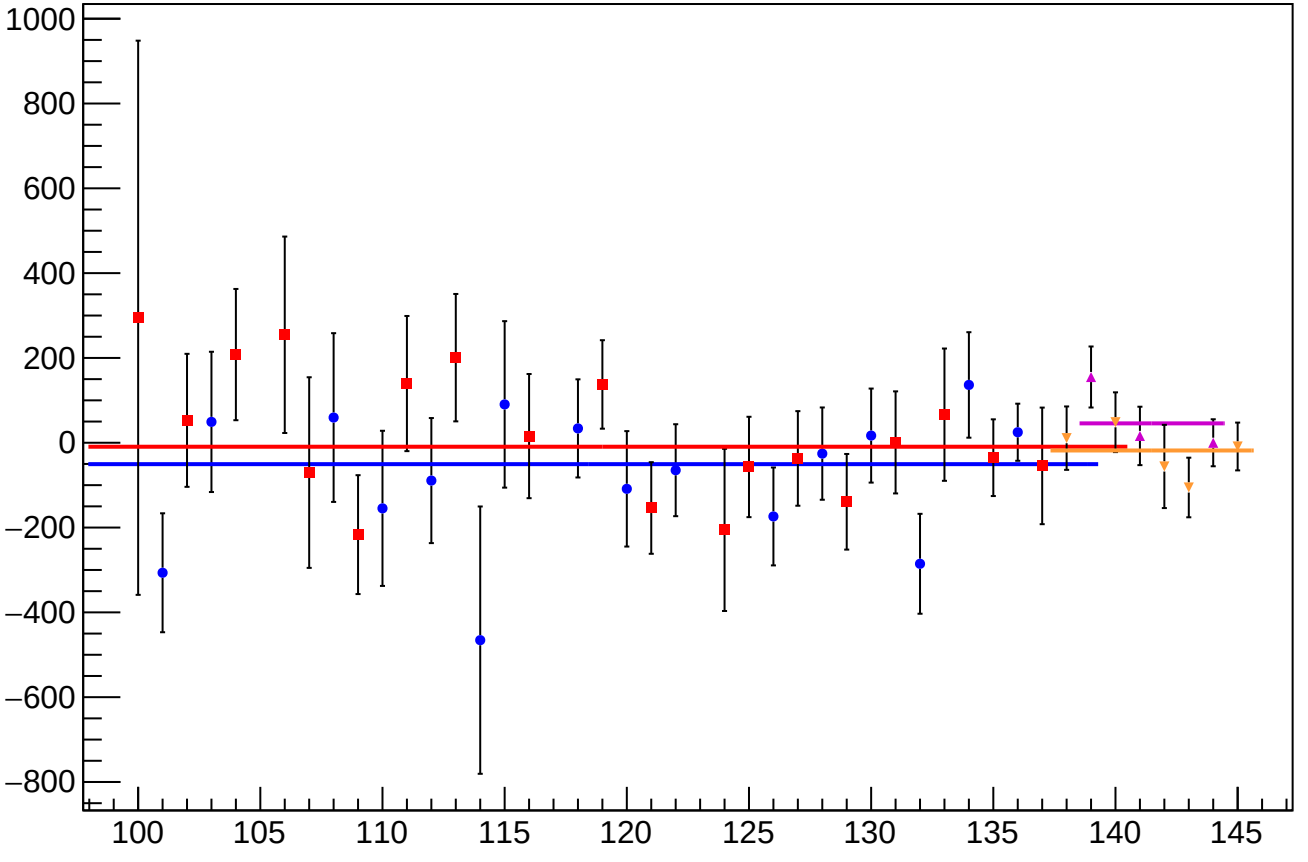
Left In: 342.056+/-0.154 χ^2/NDF:176546.4/2

+ sign 429.603+/-0.104 χ^2/NDF: 4588229.0/20

All: 454.390+/-0.079 χ^2/NDF: 8905743.6/42

- sign 489.006+/-0.123 χ^2/NDF: 4180488.4/21

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

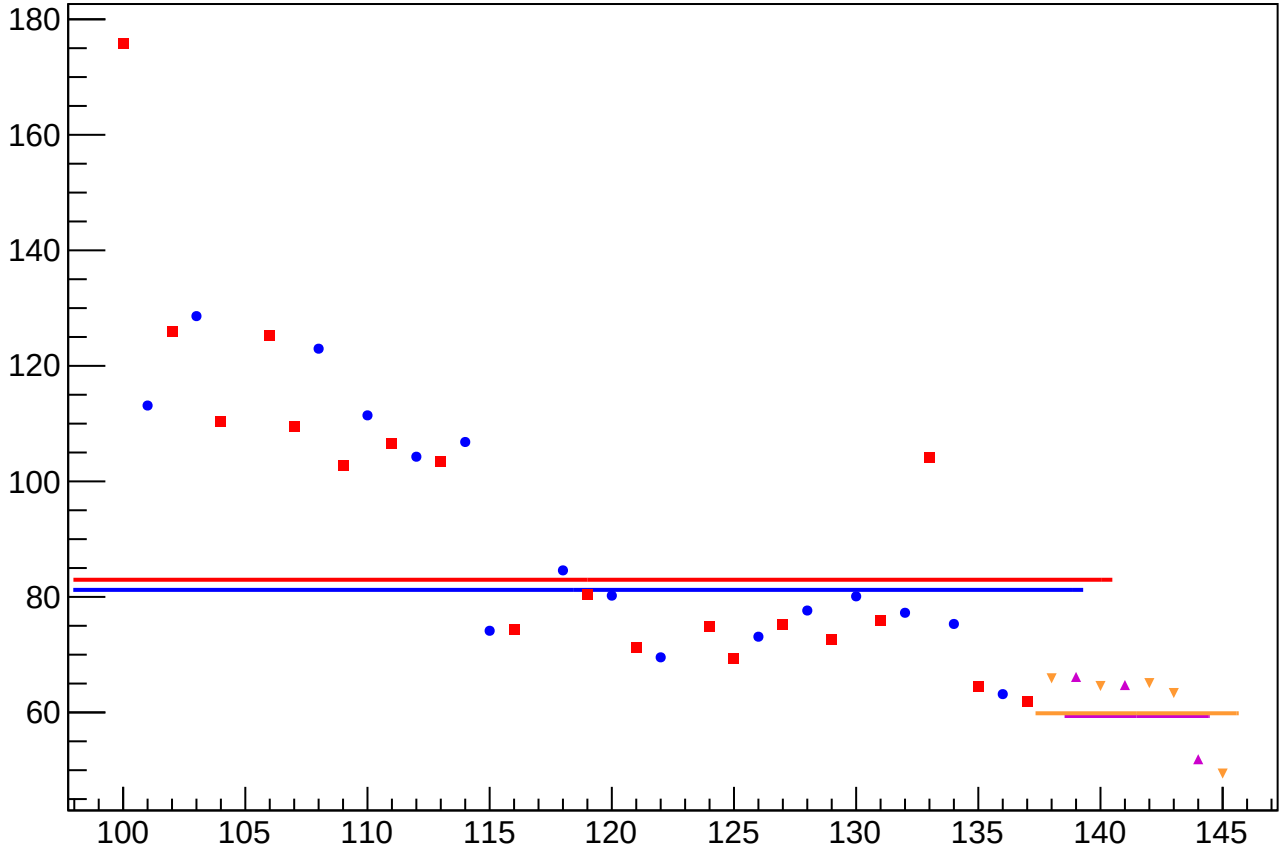
Left In: 45.701+/-37.027 χ^2/NDF:3.2/2

+ sign -34.621+/-22.151 χ^2/NDF: 19.7/20

All: -12.351+/-16.238 χ^2/NDF: 41.9/42

- sign 13.520+/-23.874 χ^2/NDF: 20.0/21

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

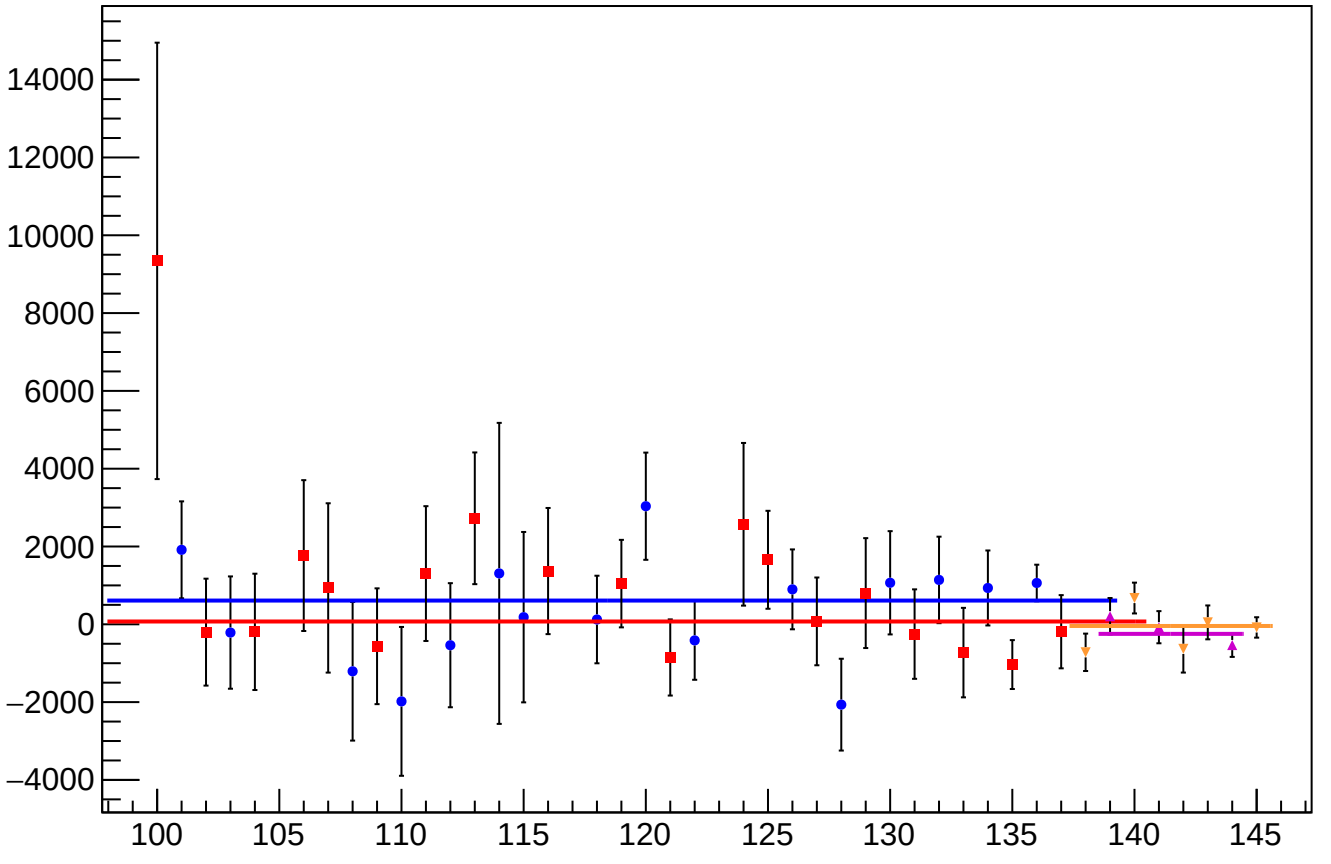
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 59.385+/-0.026 χ^2/NDF:66223.8/2

+ sign 70.718+/-0.016 χ^2/NDF: 1229191.9/20

All: 71.850+/-0.011 χ^2/NDF: 2511183.0/42

- sign 73.165+/-0.017 χ^2/NDF: 1270705.3/21



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: -42.945+/-173.523 χ^2/NDF:6.3/4

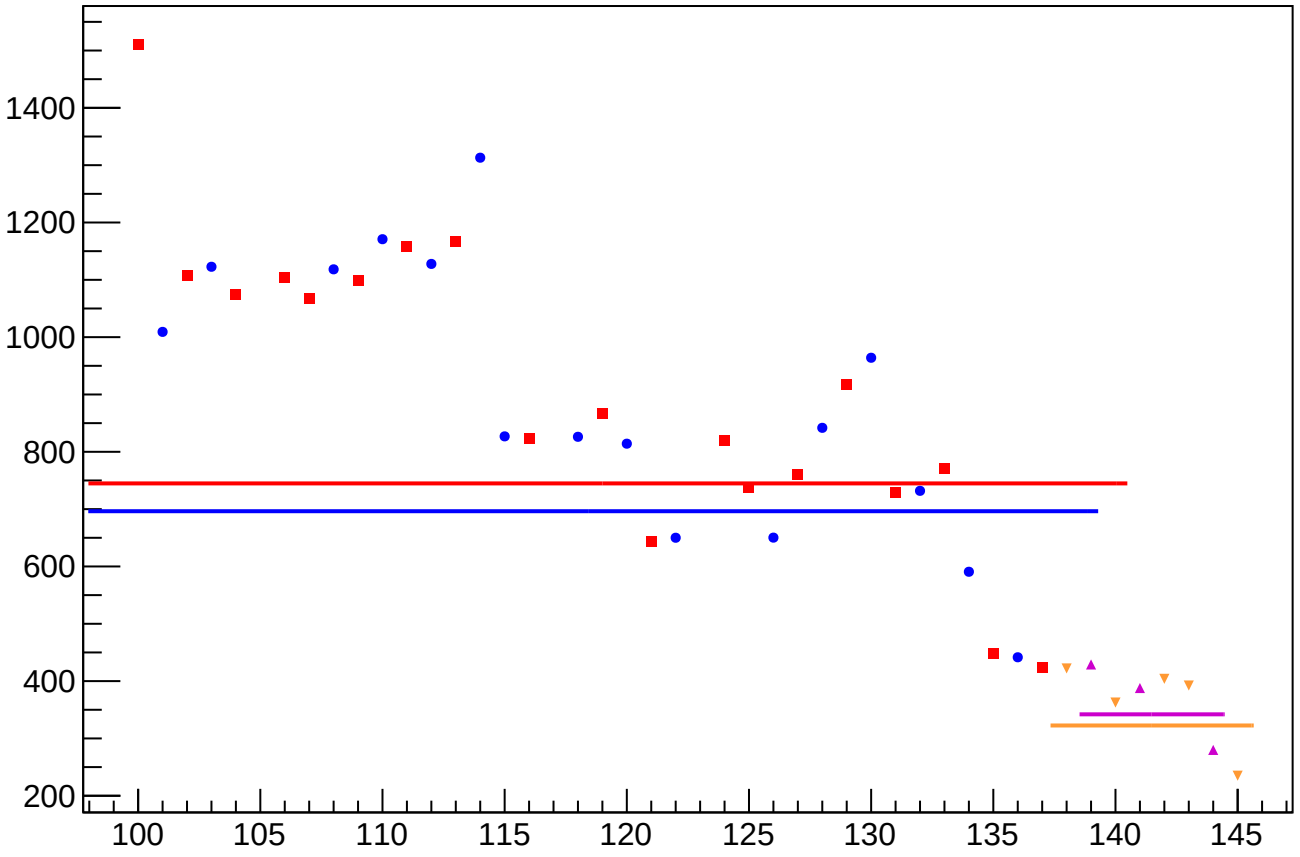
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -245.875+/-217.371 χ^2/NDF:2.0/2

\+ sign 144.092+/-146.595 χ^2/NDF: 26.1/20

All: 29.809+/-111.907 χ^2/NDF: 46.5/42

\- sign -129.799+/-173.243 χ^2/NDF: 19.0/21



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

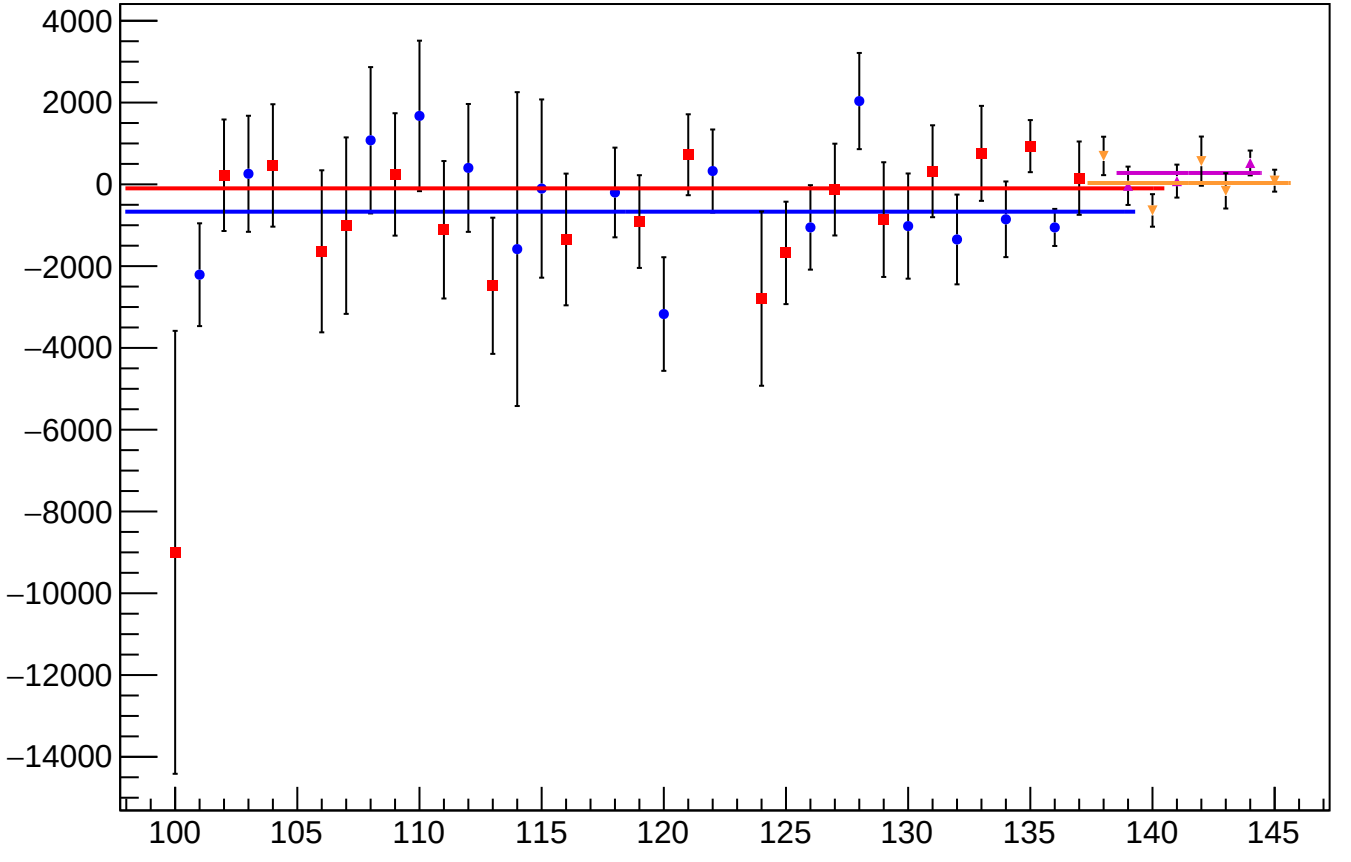
Left In: 342.055+/-0.154 χ^2/NDF:176548.2/2

+ sign 429.603+/-0.104 χ^2/NDF: 4588226.4/20

All: 454.389+/-0.079 χ^2/NDF: 8905727.8/42

- sign 489.006+/-0.123 χ^2/NDF: 4180473.9/21

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

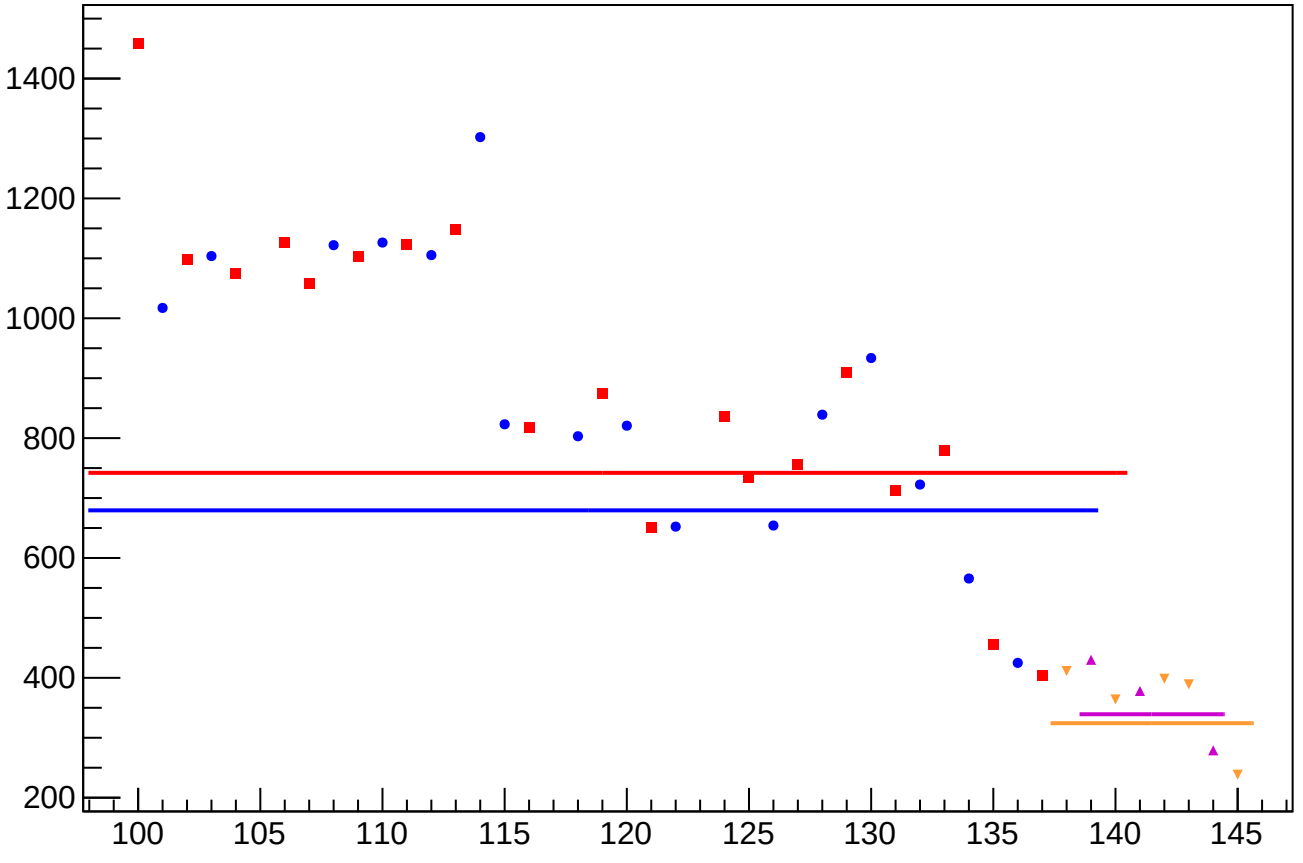
Left In: 278.434+/-215.382 χ^2/NDF:1.3/2

+ sign -175.070+/-146.237 χ^2/NDF: 26.8/20

All: -42.003+/-111.419 χ^2/NDF: 46.0/42

- sign 142.131+/-172.025 χ^2/NDF: 17.3/21

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

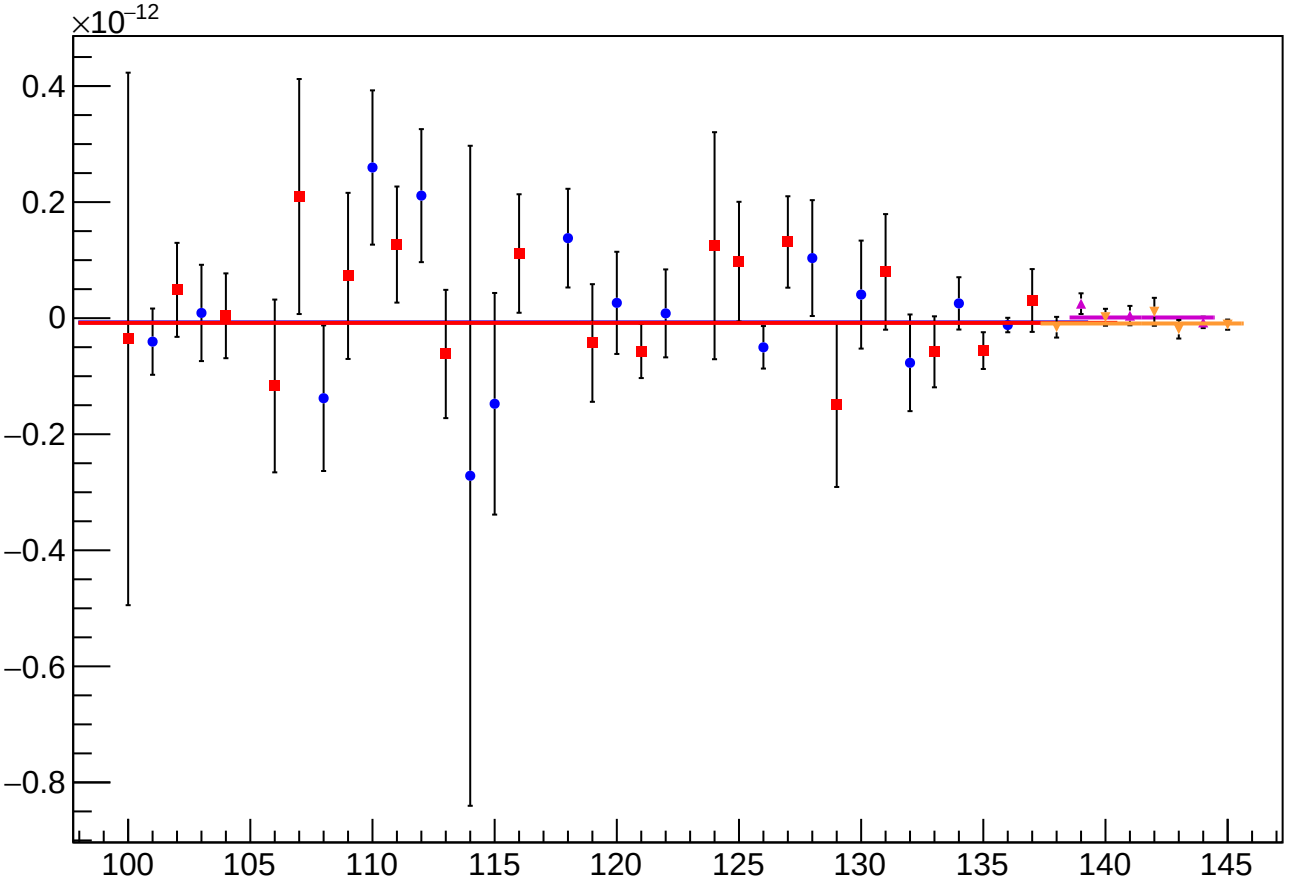
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 339.241+/-0.152 χ^2/NDF:172455.1/2

+ sign 429.709+/-0.103 χ^2/NDF: 4432037.4/20

All: 452.947+/-0.079 χ^2/NDF: 8762557.3/42

- sign 485.103+/-0.122 χ^2/NDF: 4210135.6/21



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.8/4

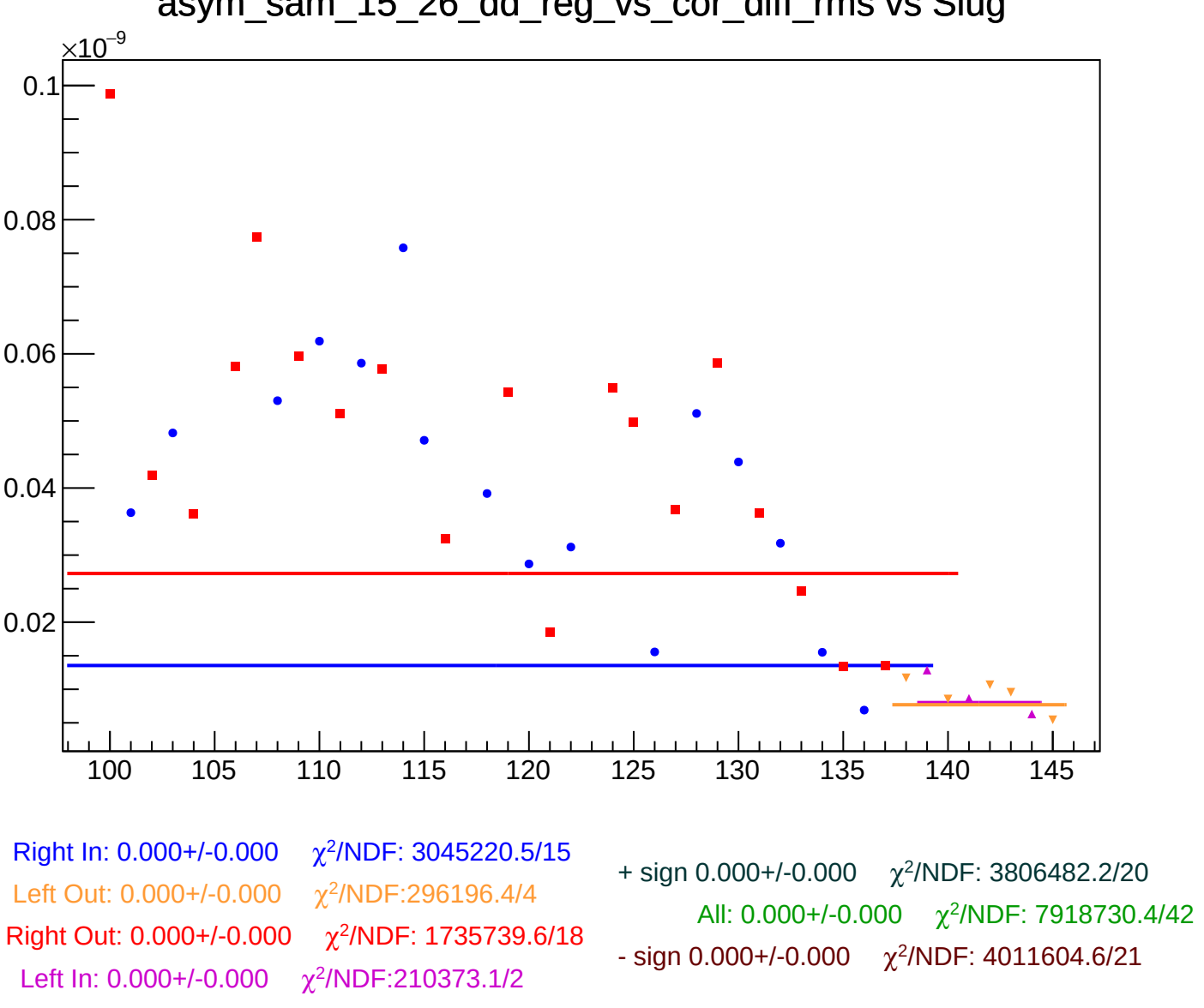
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/2

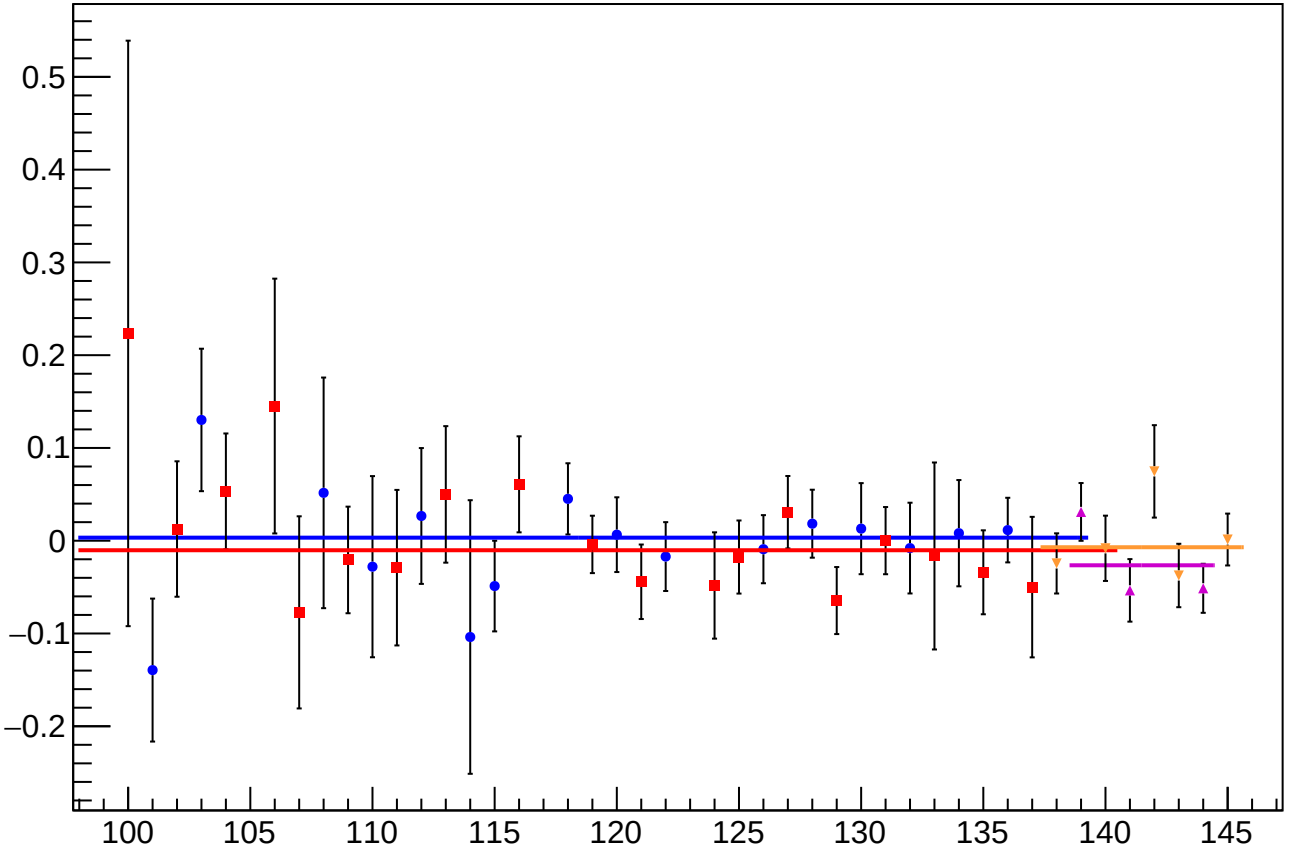
+ sign -0.000+/-0.000 χ^2/NDF: 19.1/20

All: -0.000+/-0.000 χ^2/NDF: 39.8/42

- sign -0.000+/-0.000 χ^2/NDF: 19.8/21


asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3045220.5/15
Left Out: 0.000+/-0.000 χ²/NDF:296196.4/4
Right Out: 0.000+/-0.000 χ²/NDF: 1735739.6/18
Left In: 0.000+/-0.000 χ²/NDF:210373.1/2
+ sign 0.000+/-0.000 χ²/NDF: 3806482.2/20
All: 0.000+/-0.000 χ²/NDF: 7918730.4/42
- sign 0.000+/-0.000 χ²/NDF: 4011604.6/21

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

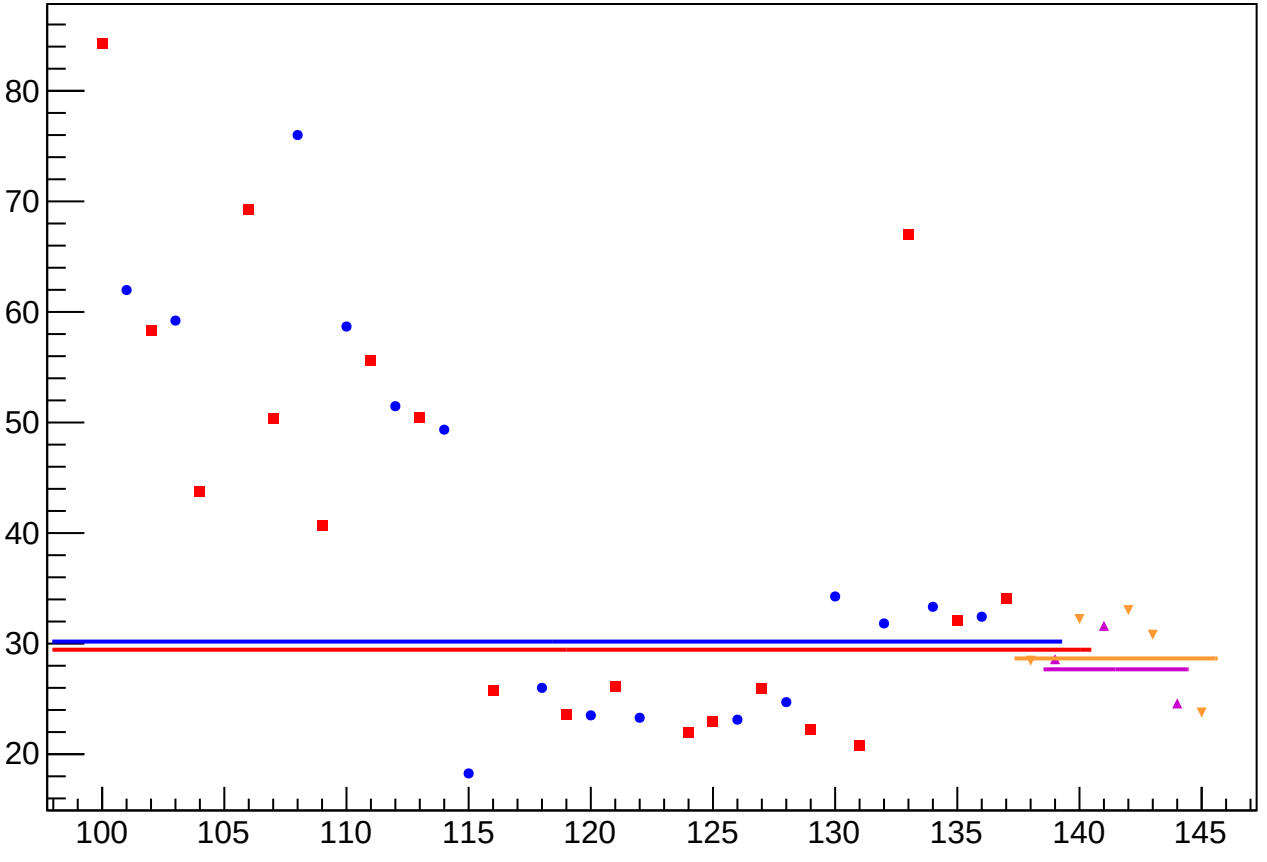
Left In: -0.026+/-0.017 χ^2/NDF:4.9/2

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/20

All: -0.008+/-0.007 χ^2/NDF: 32.2/42

- sign -0.015+/-0.010 χ^2/NDF: 16.8/21

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

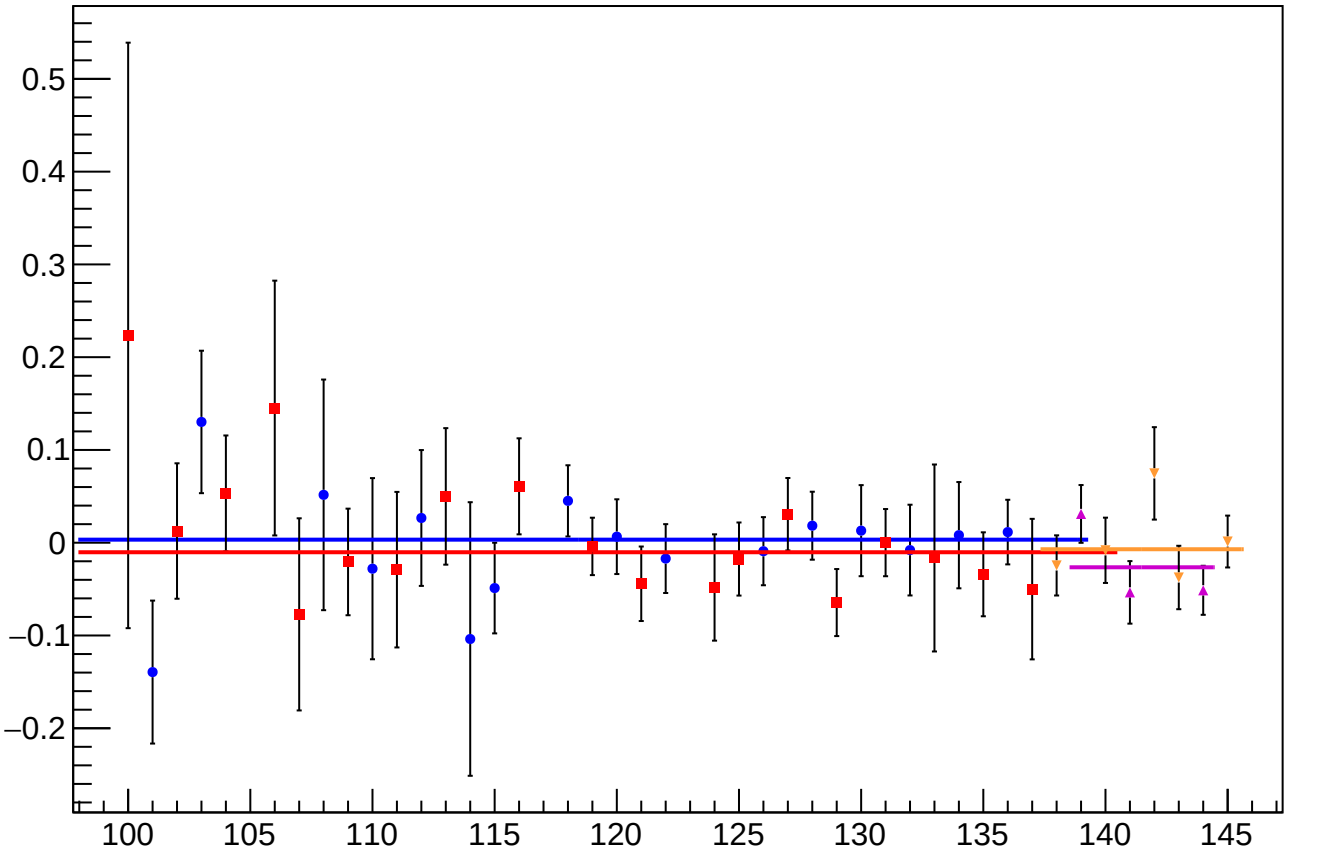
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 27.676+/-0.012 χ^2/NDF:56113.2/2

+ sign 29.587+/-0.007 χ^2/NDF: 1804625.2/20

All: 29.244+/-0.005 χ^2/NDF: 3728989.1/42

- sign 28.887+/-0.007 χ^2/NDF: 1919110.9/21



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

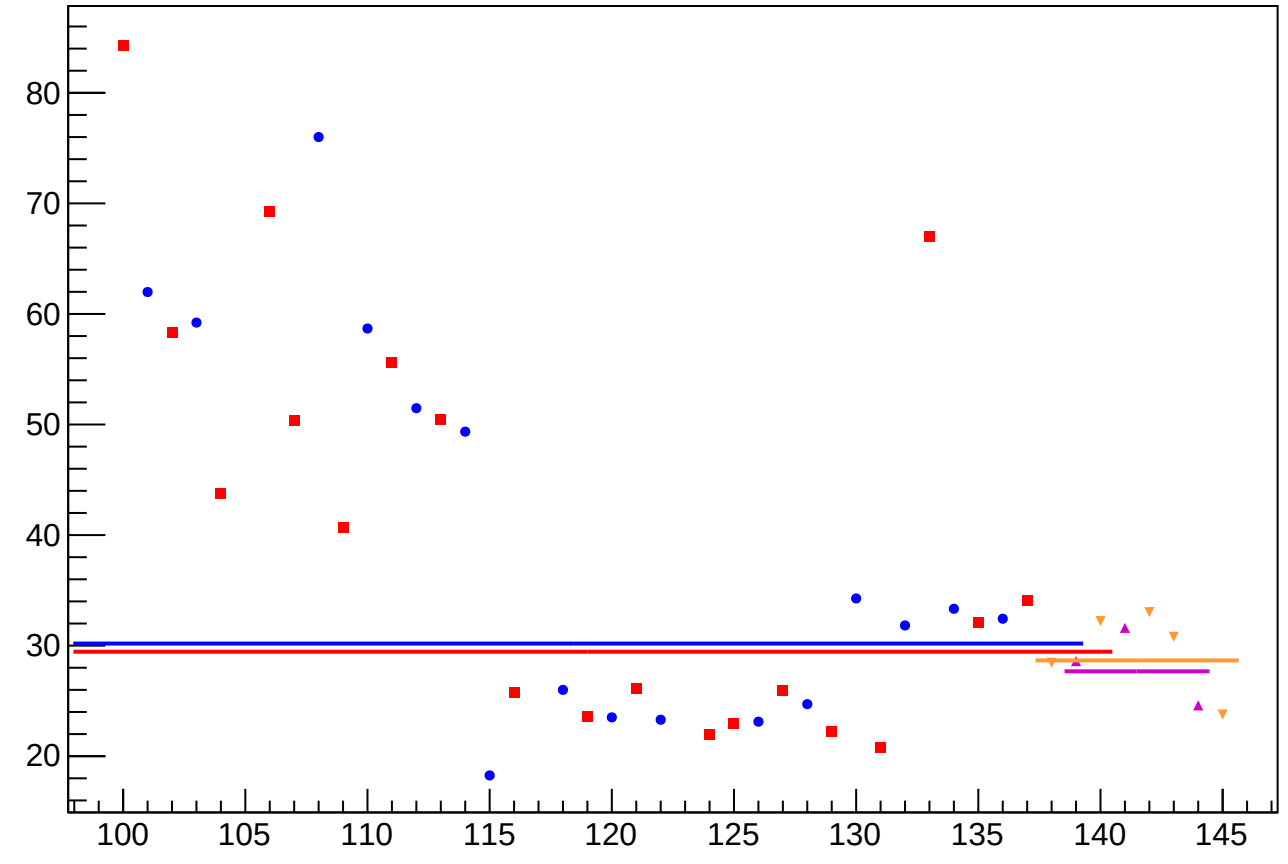
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.026+/-0.017 χ^2/NDF:4.9/2

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/20

All: -0.008+/-0.007 χ^2/NDF: 32.2/42

- sign -0.015+/-0.010 χ^2/NDF: 16.8/21



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.662+/-0.011 χ^2/NDF:105122.6/4

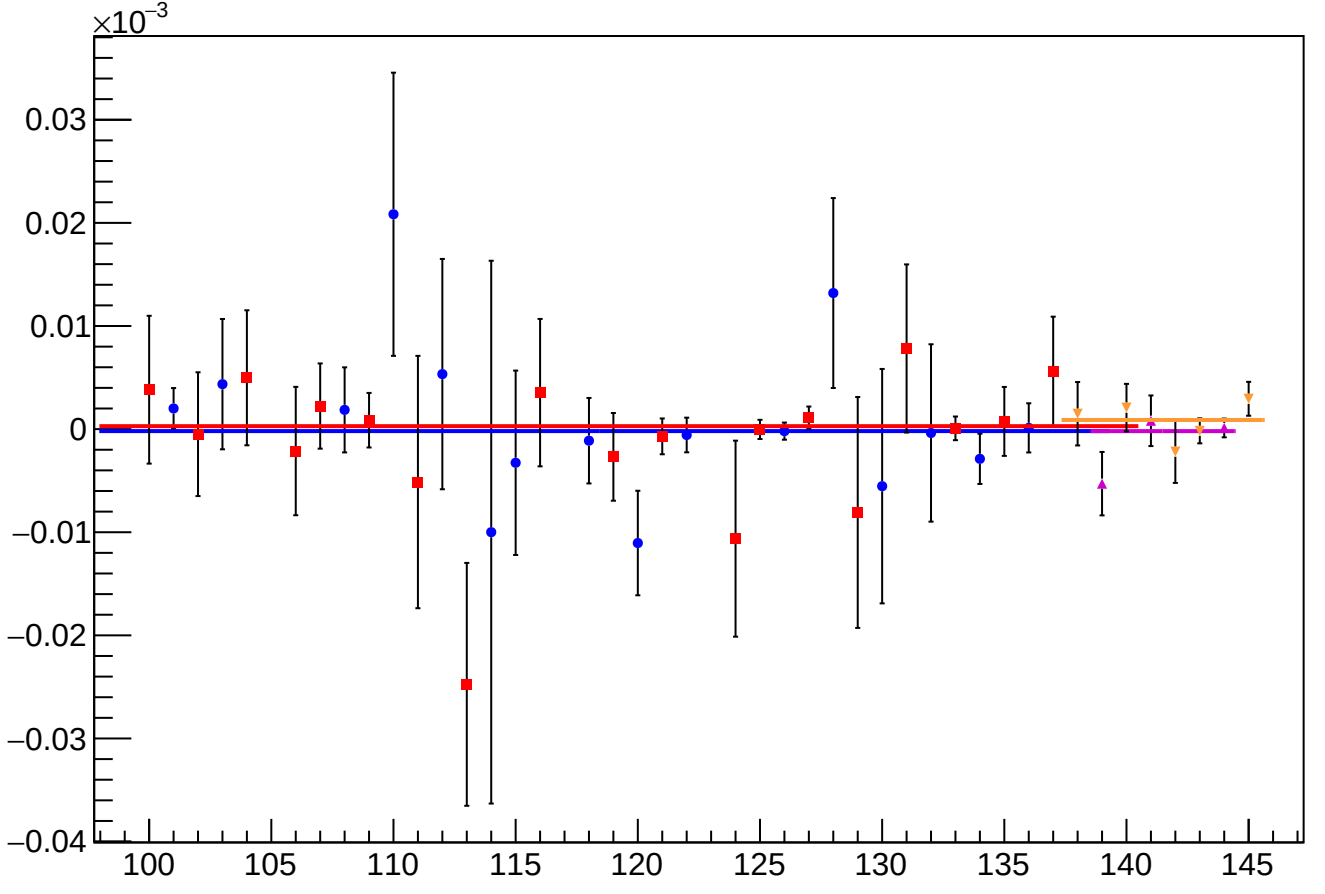
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 27.676+/-0.012 χ^2/NDF:56113.2/2

+ sign 29.587+/-0.007 χ^2/NDF: 1804625.2/20

All: 29.244+/-0.005 χ^2/NDF: 3728989.1/42

- sign 28.887+/-0.007 χ^2/NDF: 1919110.9/21



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/4

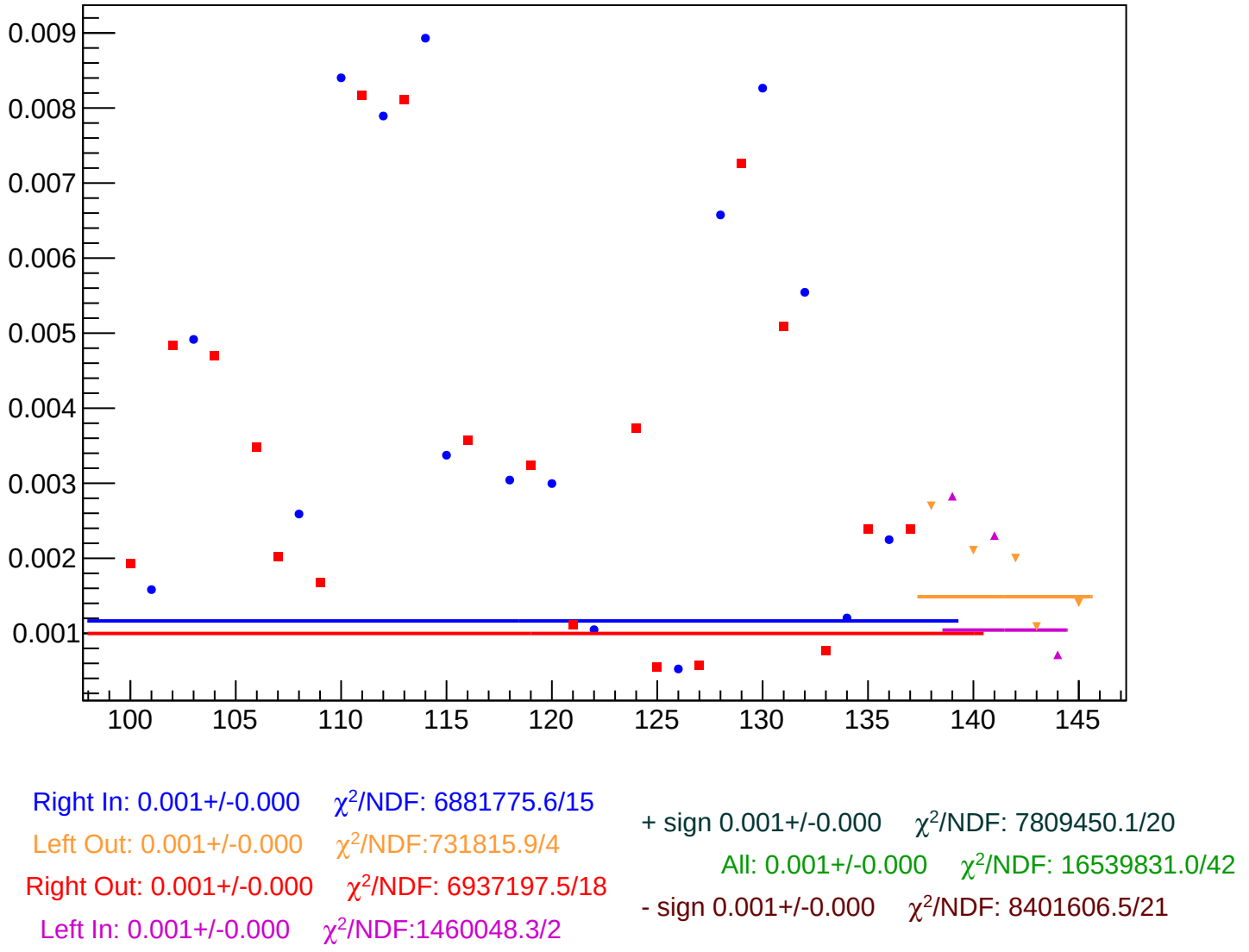
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

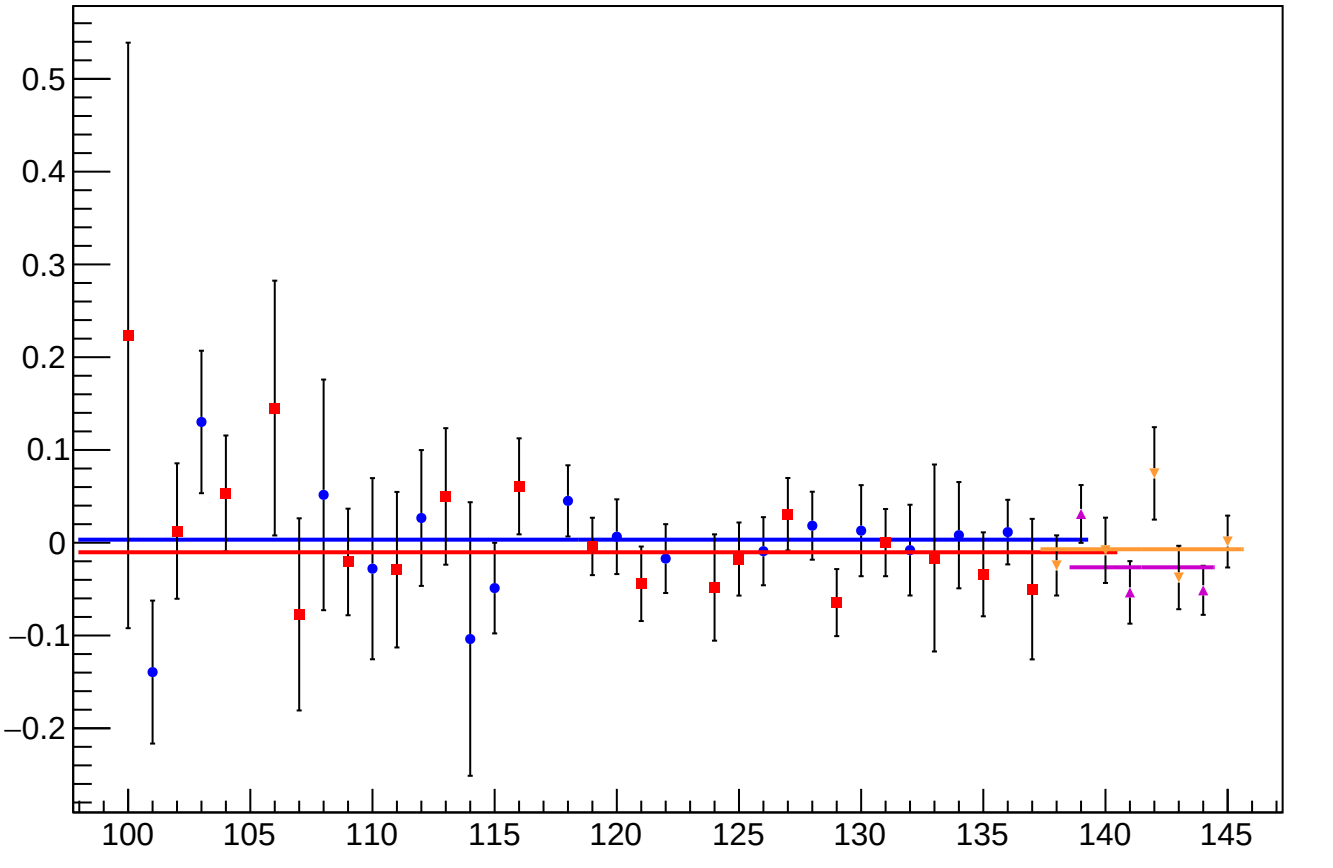
Left In: -0.000+/-0.000 χ^2/NDF:3.0/2

+ sign 0.000+/-0.000 χ^2/NDF: 17.9/20

All: 0.000+/-0.000 χ^2/NDF: 32.6/42

- sign 0.000+/-0.000 χ^2/NDF: 14.7/21


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
105
110
115
120
125
130
135
140
145
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:1460048.3/2
+ sign 0.001+/-0.000 χ²/NDF: 7809450.1/20
All: 0.001+/-0.000 χ²/NDF: 16539831.0/42
- sign 0.001+/-0.000 χ²/NDF: 8401606.5/21



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

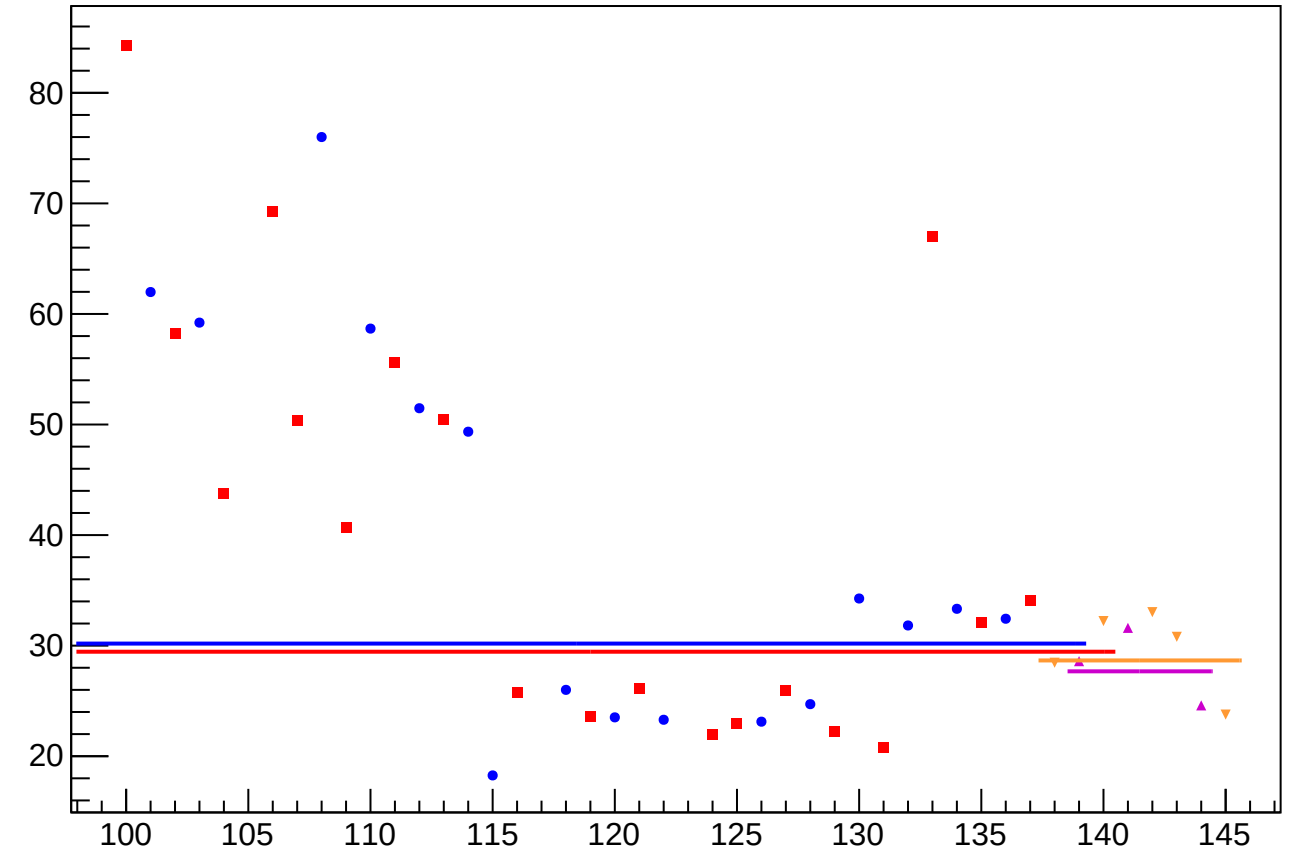
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.026+/-0.017 χ^2/NDF:4.9/2

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/20

All: -0.008+/-0.007 χ^2/NDF: 32.2/42

- sign -0.015+/-0.010 χ^2/NDF: 16.8/21



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.662+/-0.011 χ^2/NDF:105109.7/4

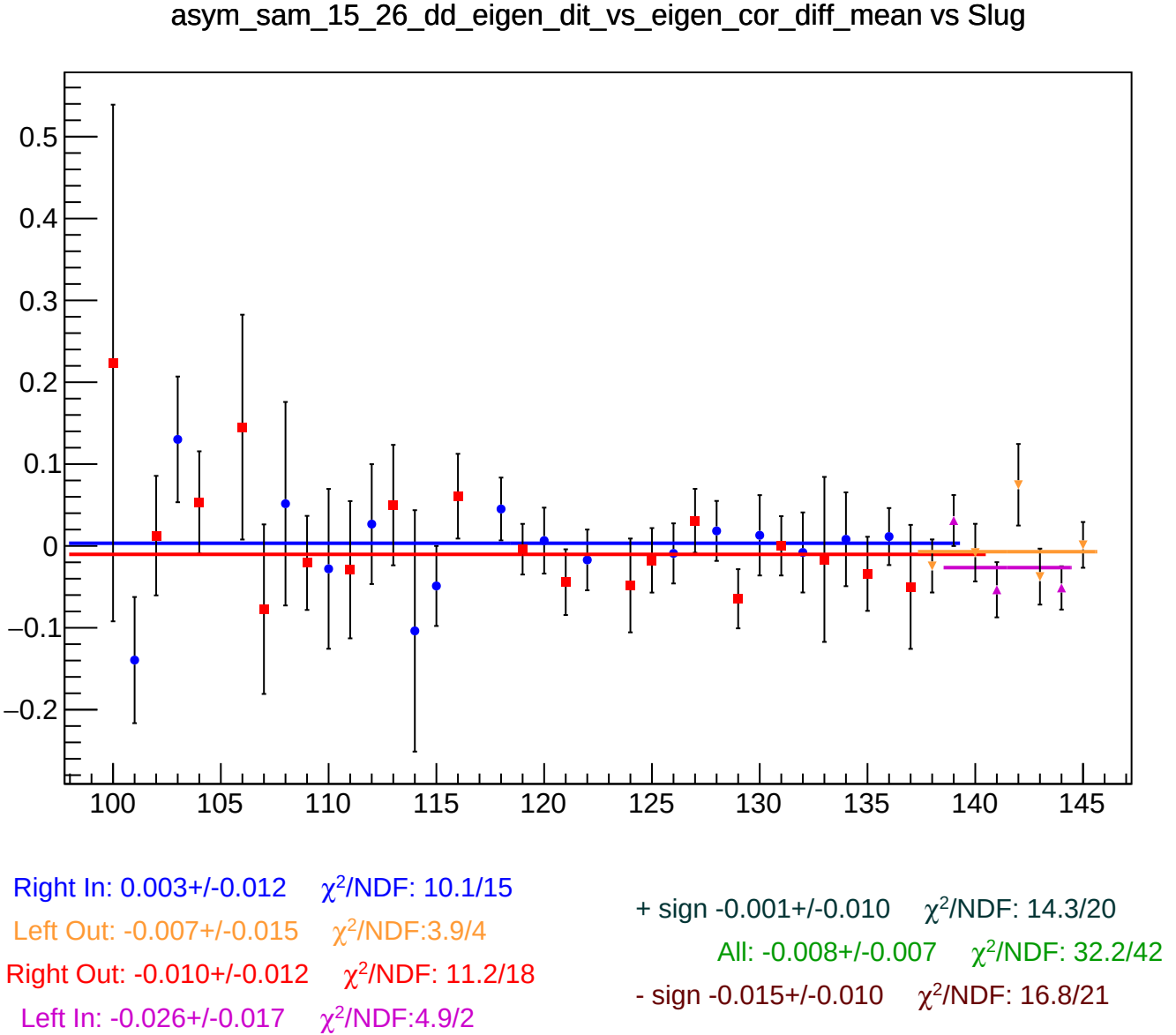
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

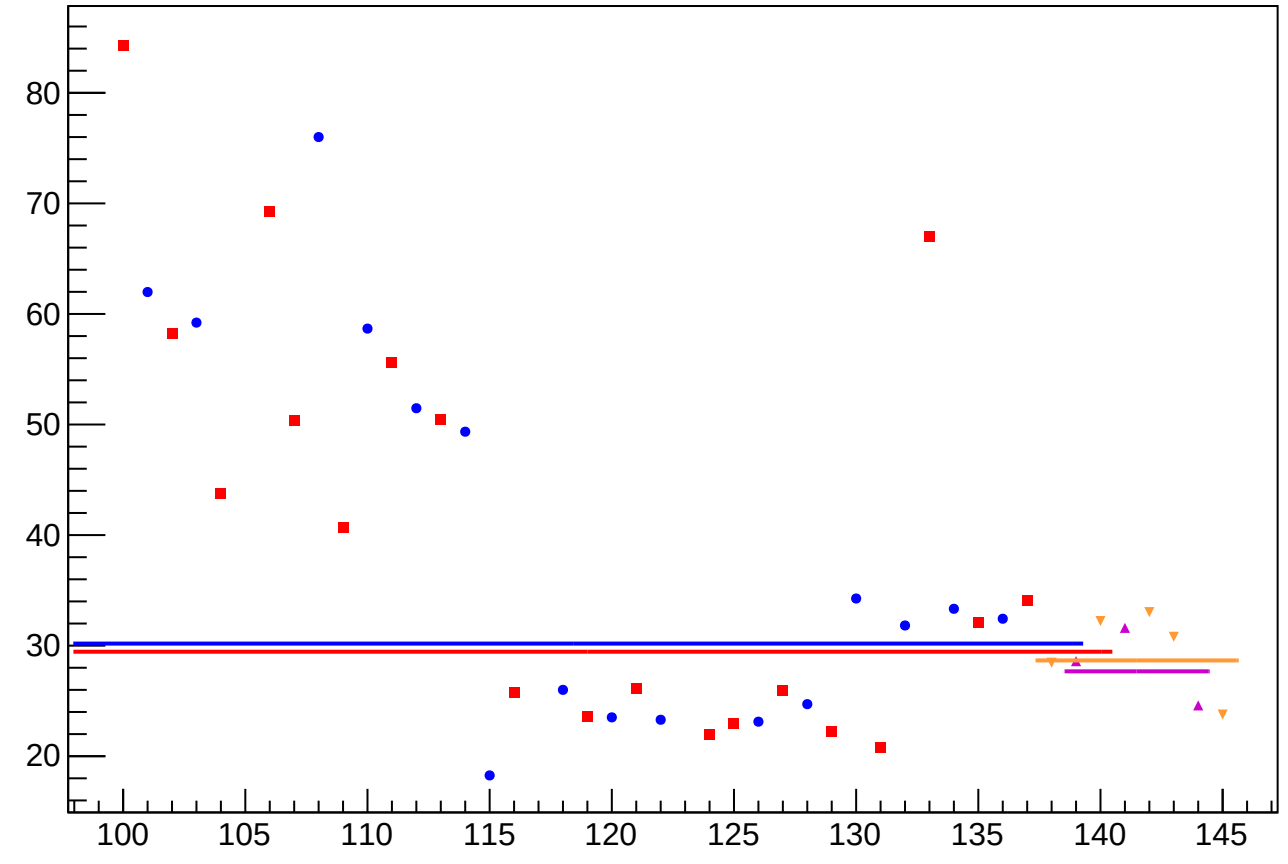
Left In: 27.677+/-0.012 χ^2/NDF:56122.4/2

+ sign 29.587+/-0.007 χ^2/NDF: 1804419.9/20

All: 29.244+/-0.005 χ^2/NDF: 3728779.2/42

- sign 28.887+/-0.007 χ^2/NDF: 1919099.3/21


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
105
110
115
120
125
130
135
140
145
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.007+/-0.015 χ²/NDF:3.9/4
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.026+/-0.017 χ²/NDF:4.9/2
+ sign -0.001+/-0.010 χ²/NDF: 14.3/20
All: -0.008+/-0.007 χ²/NDF: 32.2/42
- sign -0.015+/-0.010 χ²/NDF: 16.8/21



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.662+/-0.011 χ^2/NDF:105109.7/4

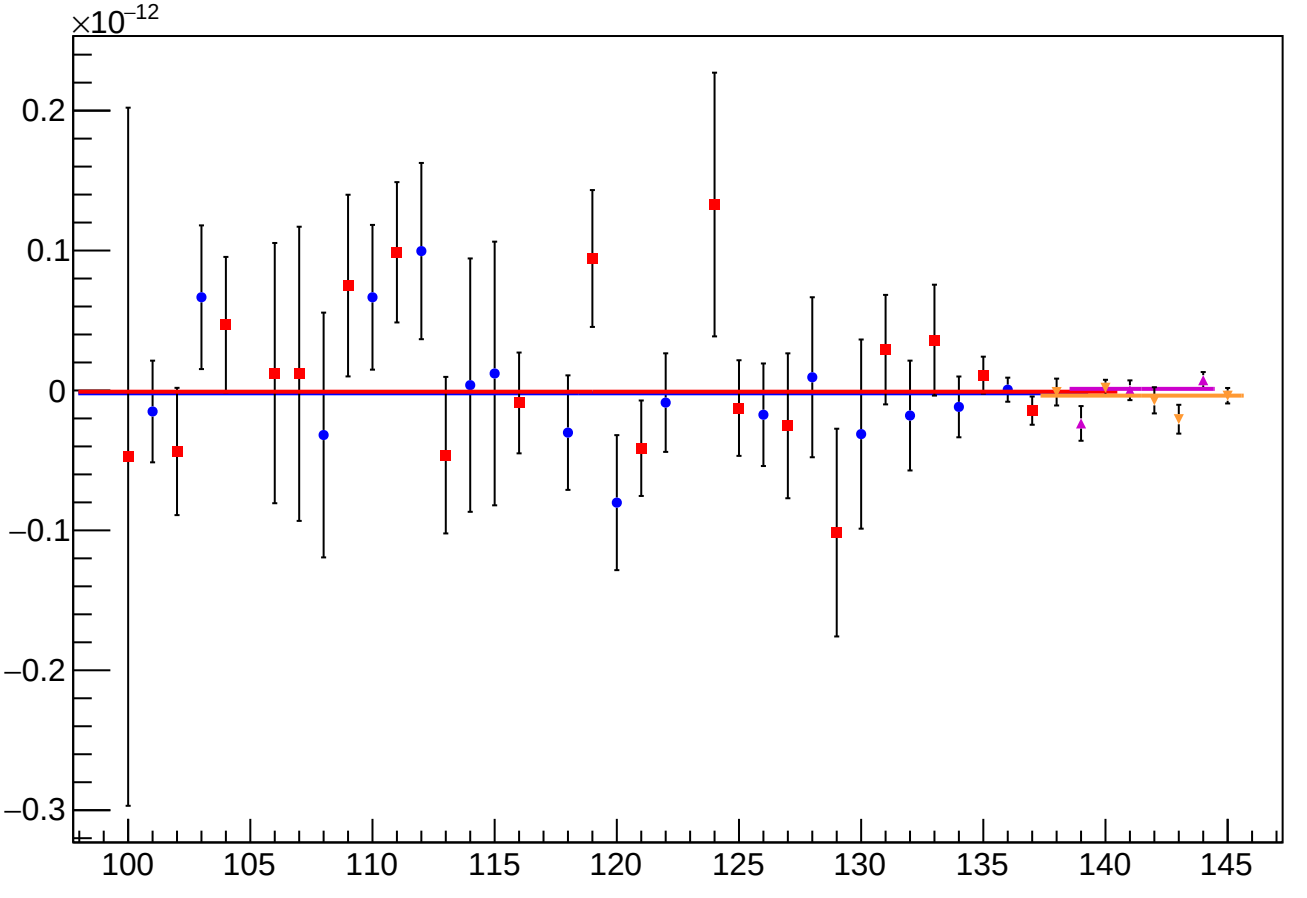
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 27.677+/-0.012 χ^2/NDF:56122.4/2

+ sign 29.587+/-0.007 χ^2/NDF: 1804419.9/20

All: 29.244+/-0.005 χ^2/NDF: 3728779.2/42

- sign 28.887+/-0.007 χ^2/NDF: 1919099.3/21



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/4

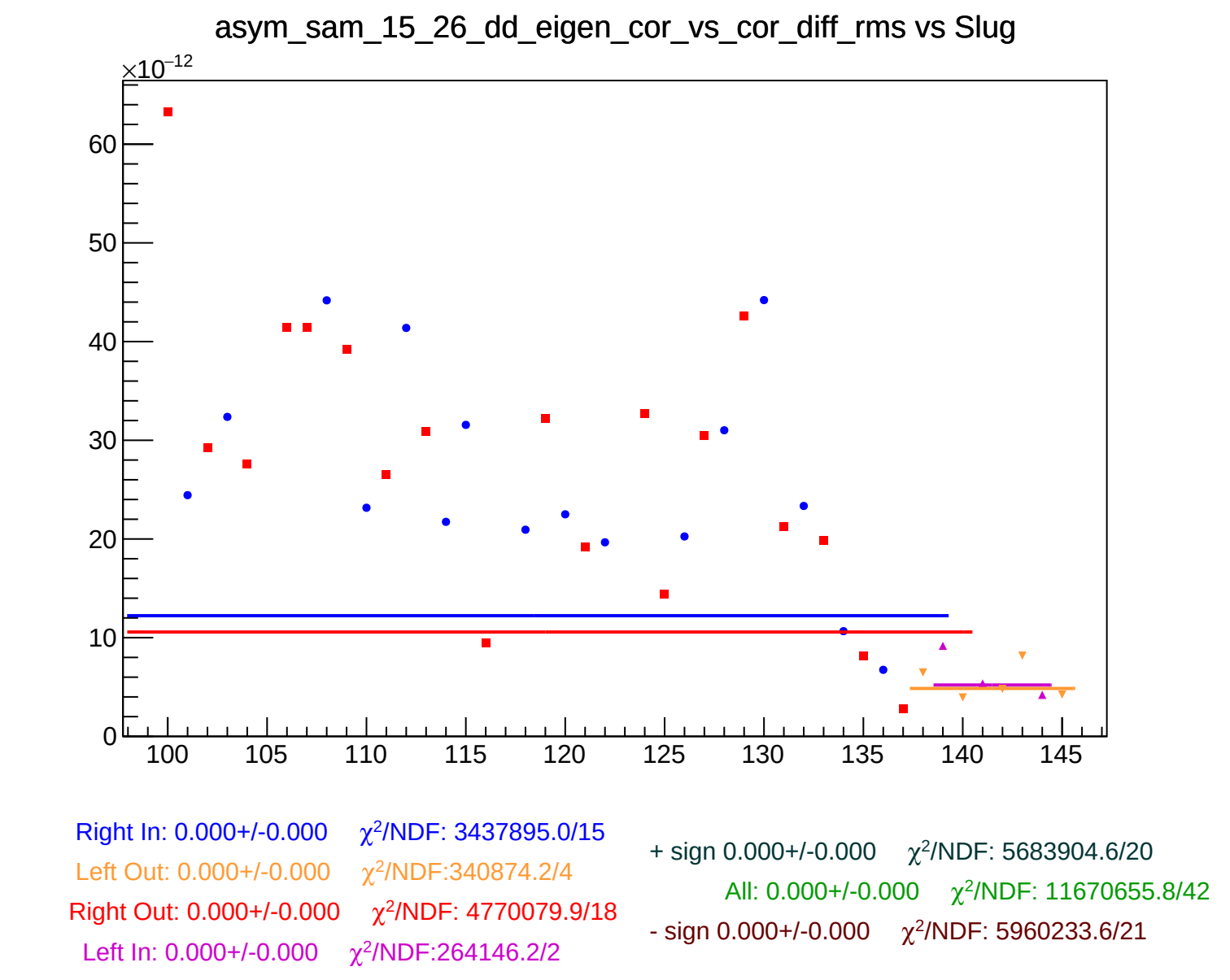
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/2

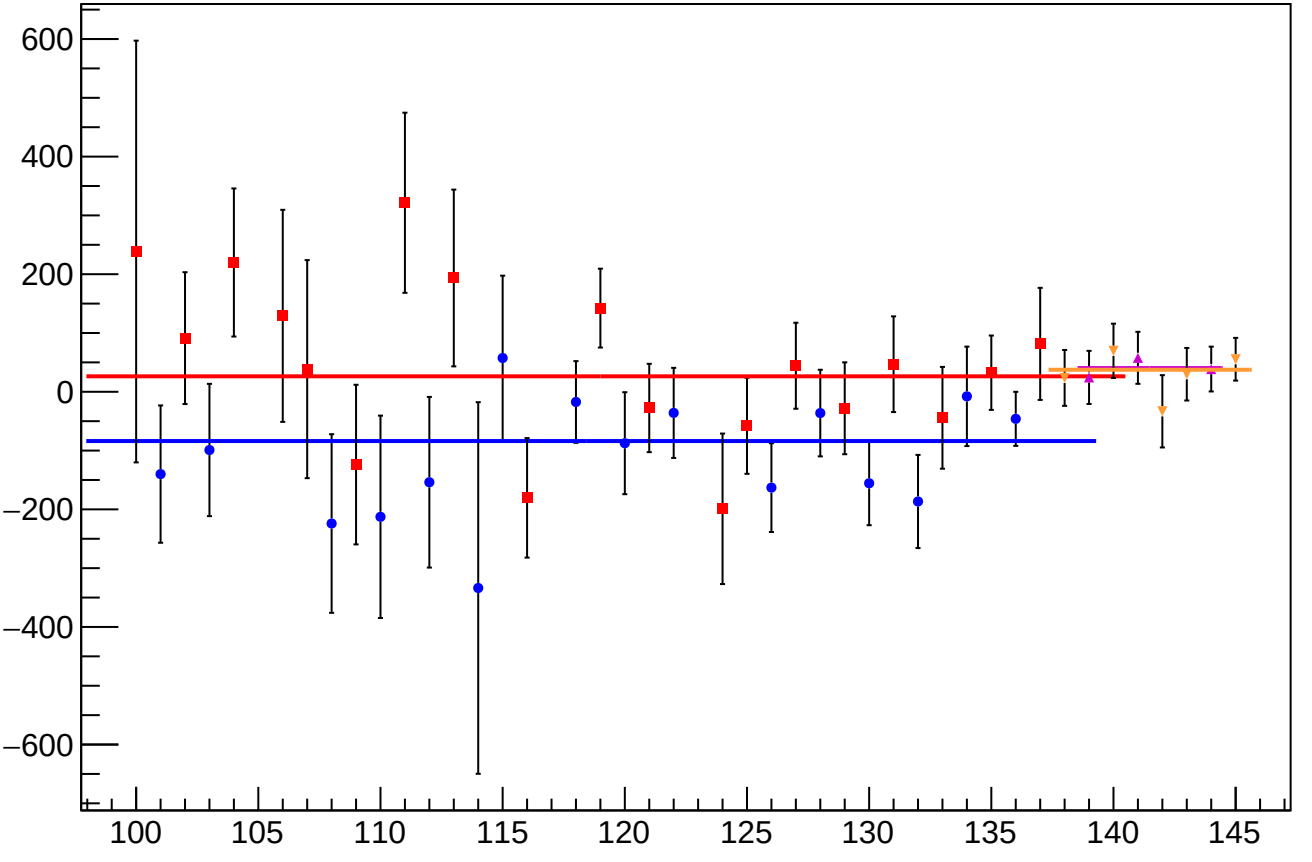
+ sign -0.000+/-0.000 χ^2/NDF: 14.3/20

All: -0.000+/-0.000 χ^2/NDF: 41.6/42

- sign 0.000+/-0.000 χ^2/NDF: 26.6/21


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:340874.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:264146.2/2
+ sign 0.000+/-0.000 χ²/NDF: 5683904.6/20
All: 0.000+/-0.000 χ²/NDF: 11670655.8/42
- sign 0.000+/-0.000 χ²/NDF: 5960233.6/21

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

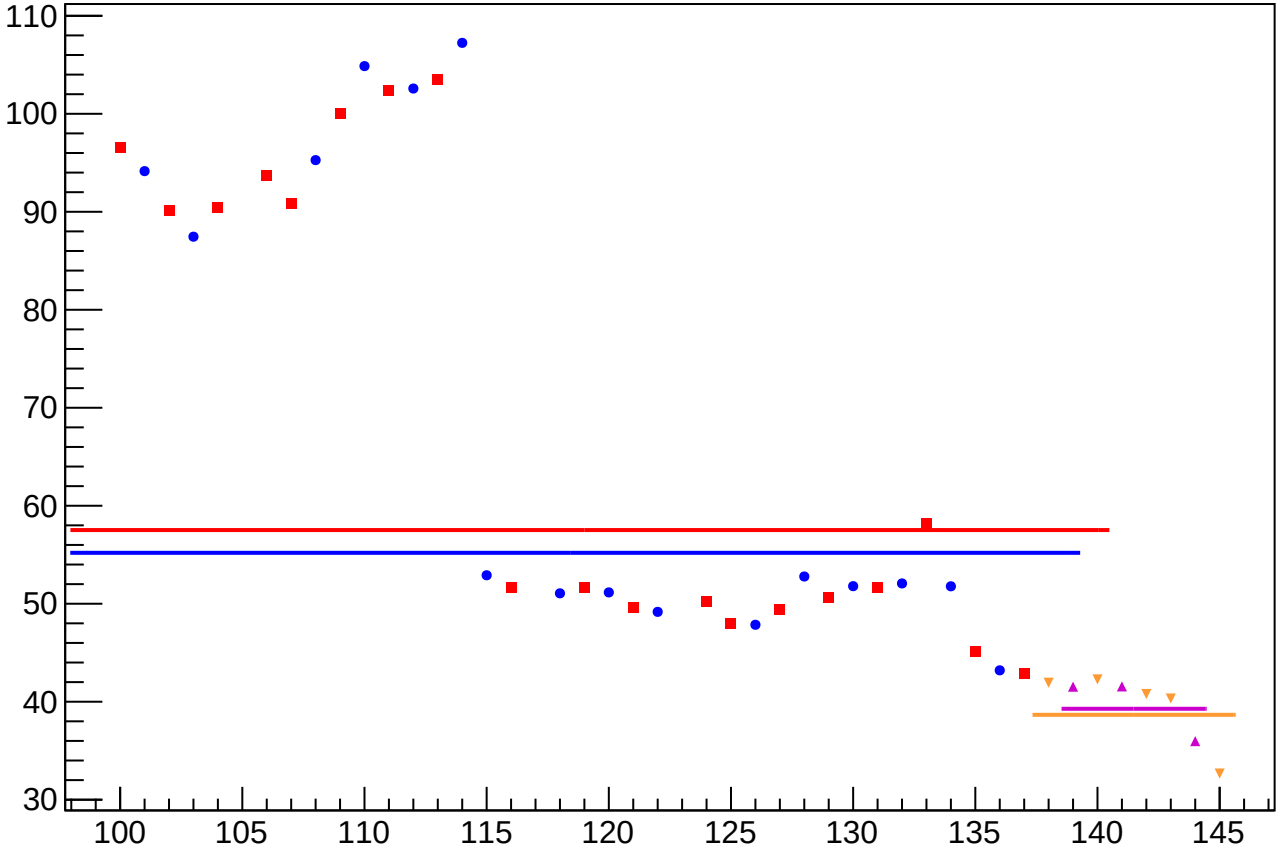
Left In: 40.326+/-24.326 χ^2/NDF:0.3/2

+ sign -19.755+/-14.725 χ^2/NDF: 29.6/20

All: 3.716+/-10.940 χ^2/NDF: 58.7/42

- sign 32.633+/-16.344 χ^2/NDF: 23.4/21

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

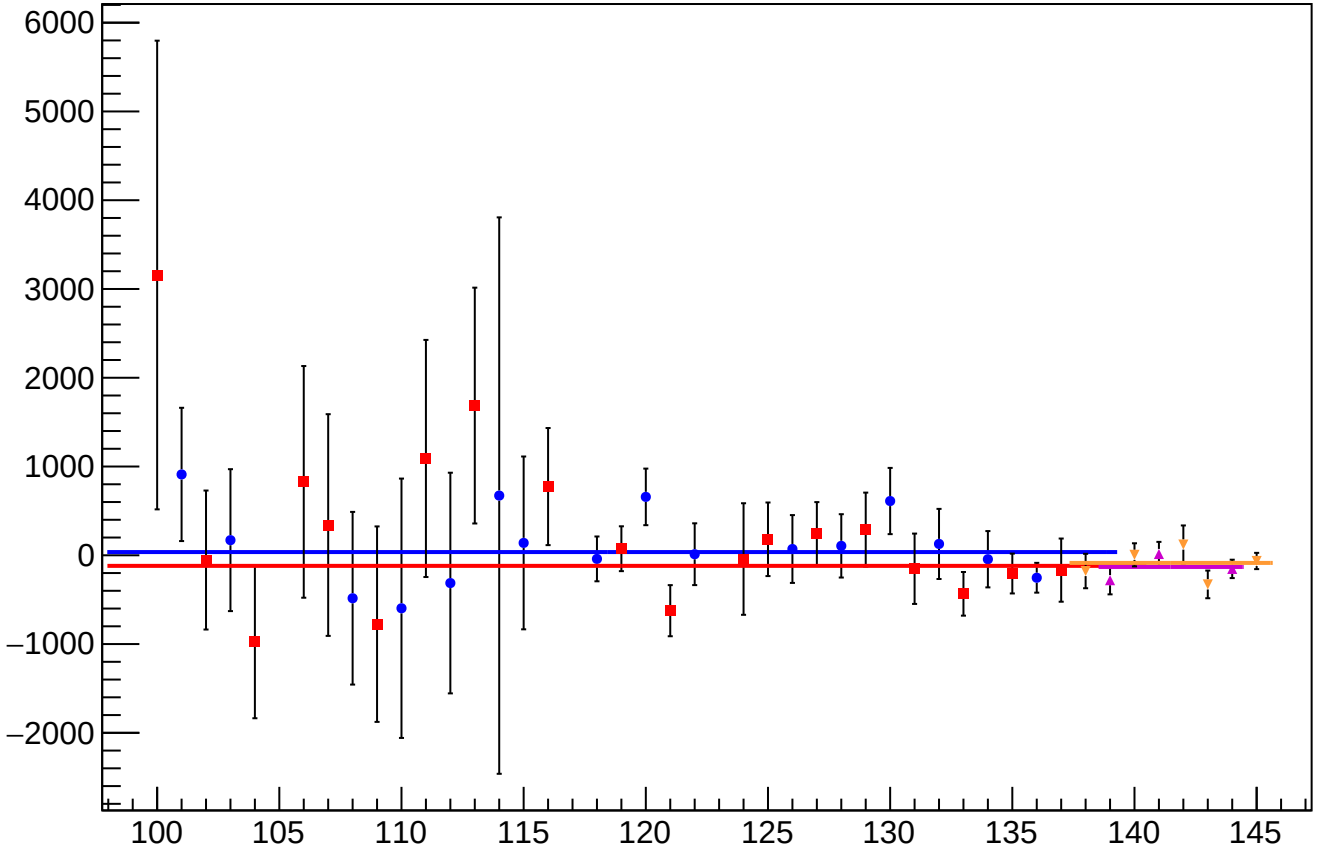
Left In: 39.280+/-0.017 χ^2/NDF:25353.3/2

+ sign 46.466+/-0.010 χ^2/NDF: 1862385.3/20

All: 47.729+/-0.008 χ^2/NDF: 3819176.0/42

- sign 49.285+/-0.012 χ^2/NDF: 1923946.0/21

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

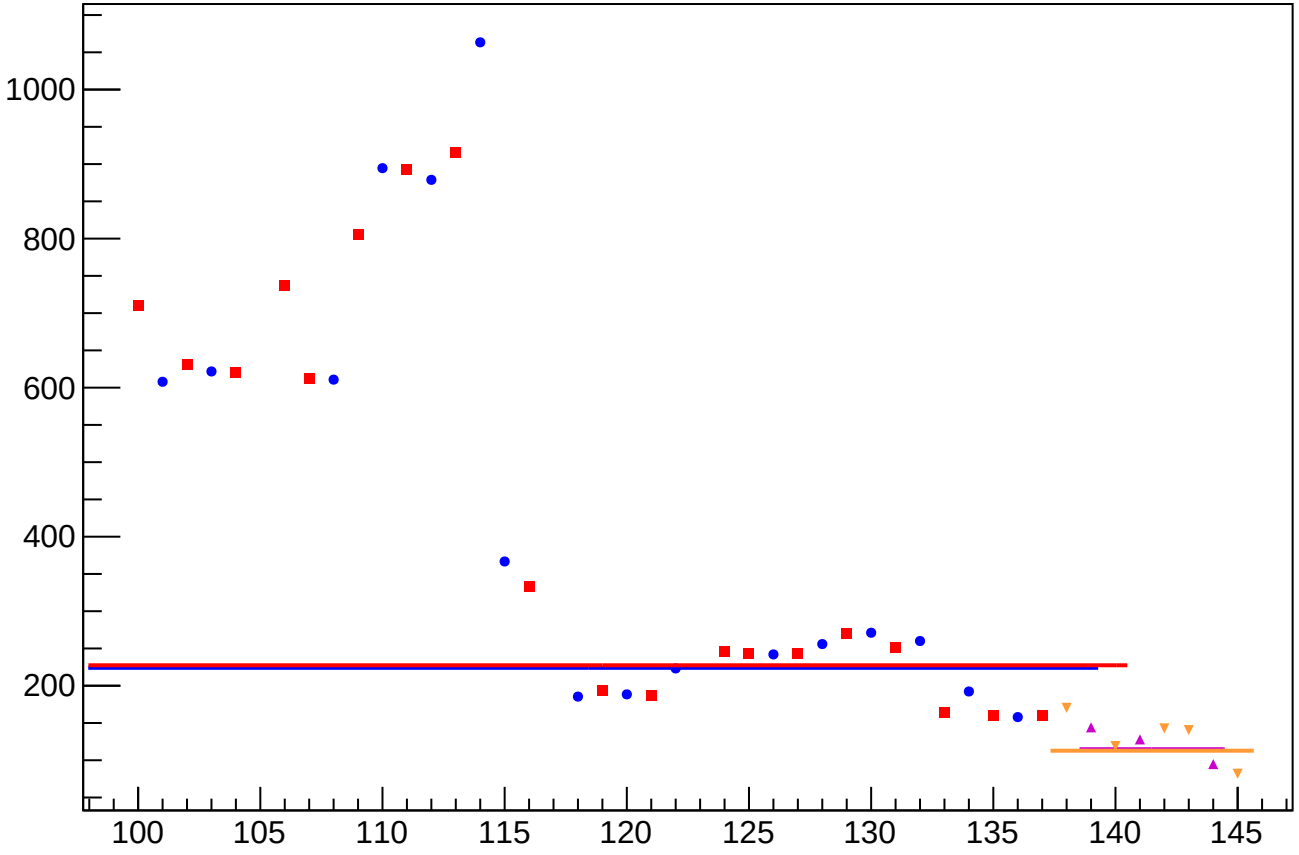
Left In: -131.484+/-73.270 χ^2/NDF:2.1/2

\+ sign -49.317+/-51.179 χ^2/NDF: 16.7/20

All: -83.162+/-38.435 χ^2/NDF: 35.8/42

\- sign -126.940+/-58.207 χ^2/NDF: 18.1/21

asym_sam_37_26_dd_reg_correction_rms vs Slug



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

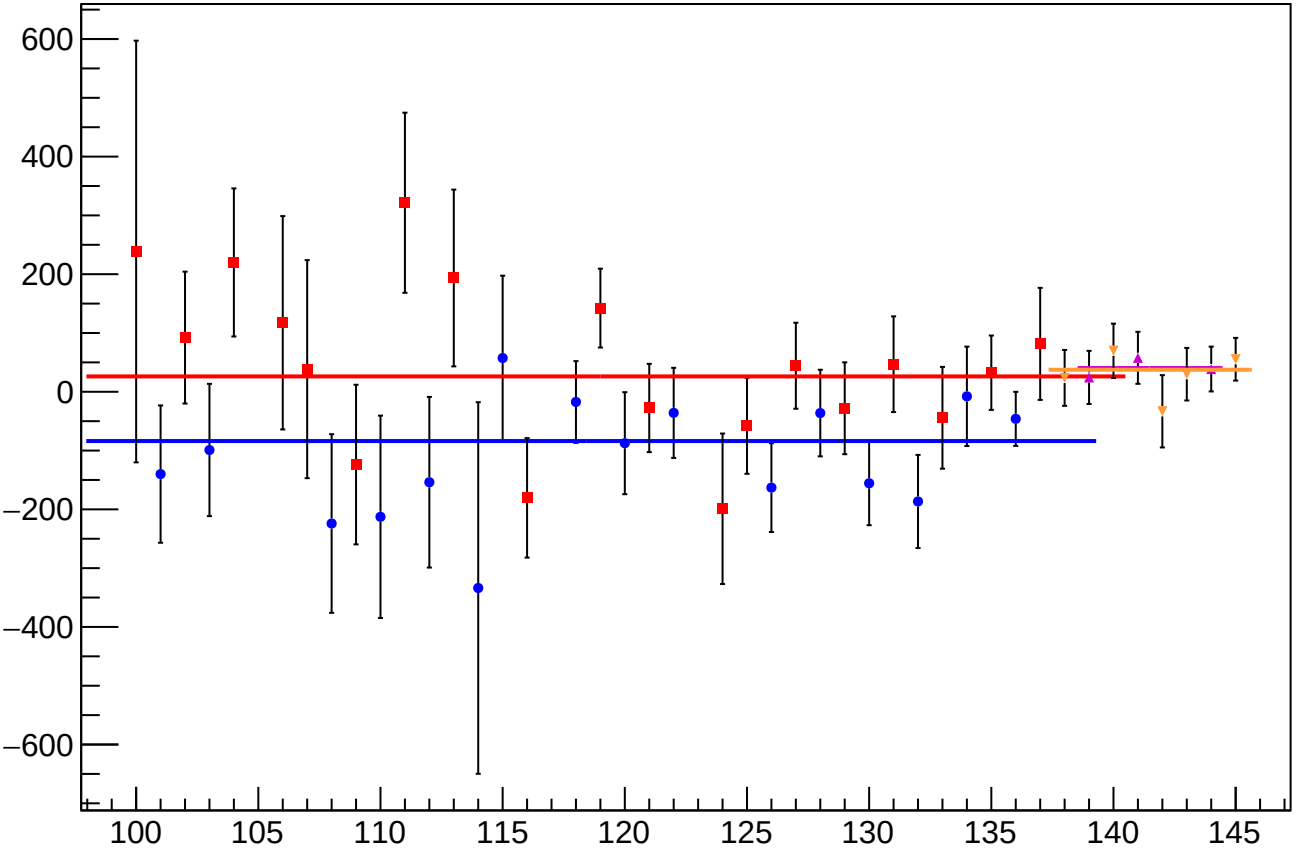
Left In: 114.819+/-0.052 χ^2/NDF:160712.0/2

+ sign 146.087+/-0.036 χ^2/NDF: 5459251.3/20

All: 150.570+/-0.027 χ^2/NDF: 11039263.2/42

- sign 156.370+/-0.041 χ^2/NDF: 5544808.7/21

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

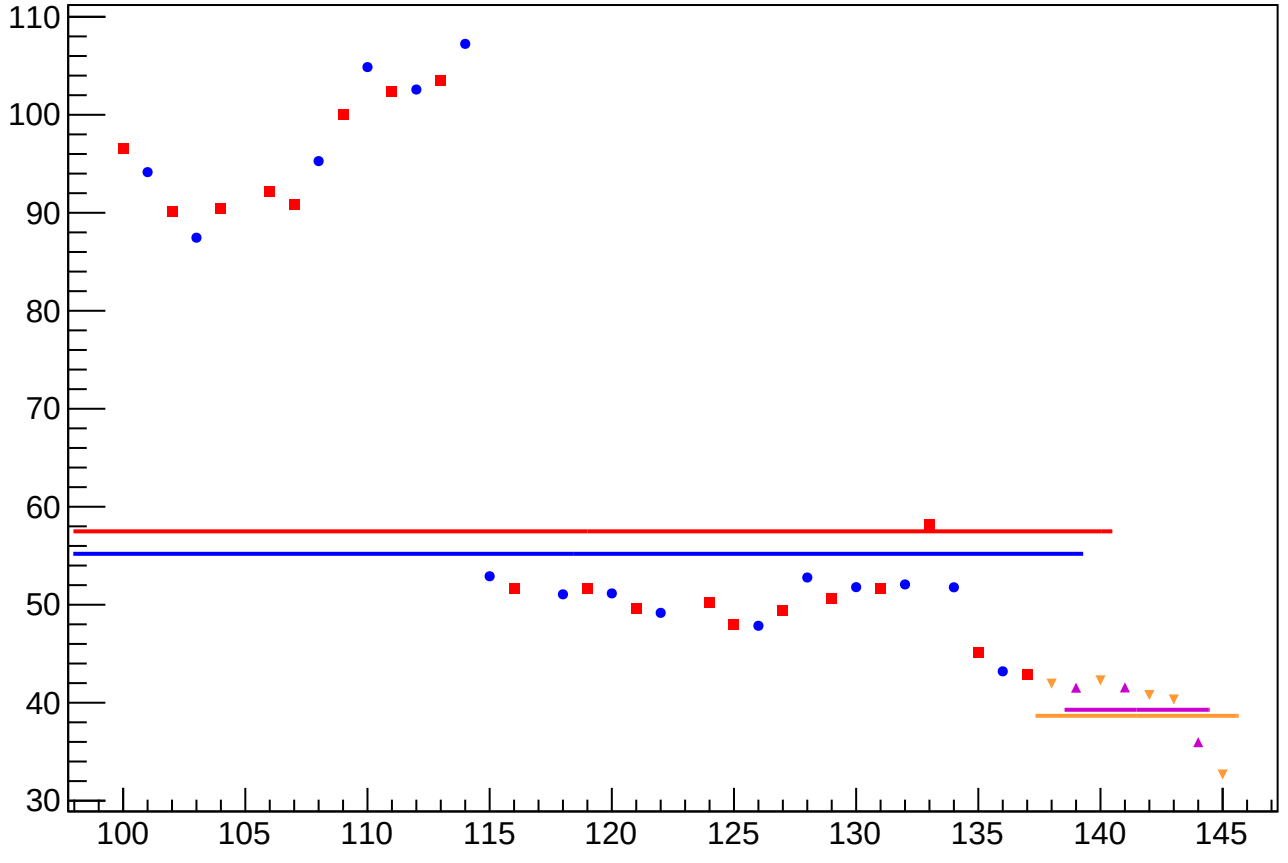
Left In: 40.332+/-24.326 χ^2/NDF:0.3/2

\+ sign -19.754+/-14.725 χ^2/NDF: 29.6/20

All: 3.677+/-10.940 χ^2/NDF: 58.7/42

\- sign 32.549+/-16.345 χ^2/NDF: 23.4/21

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

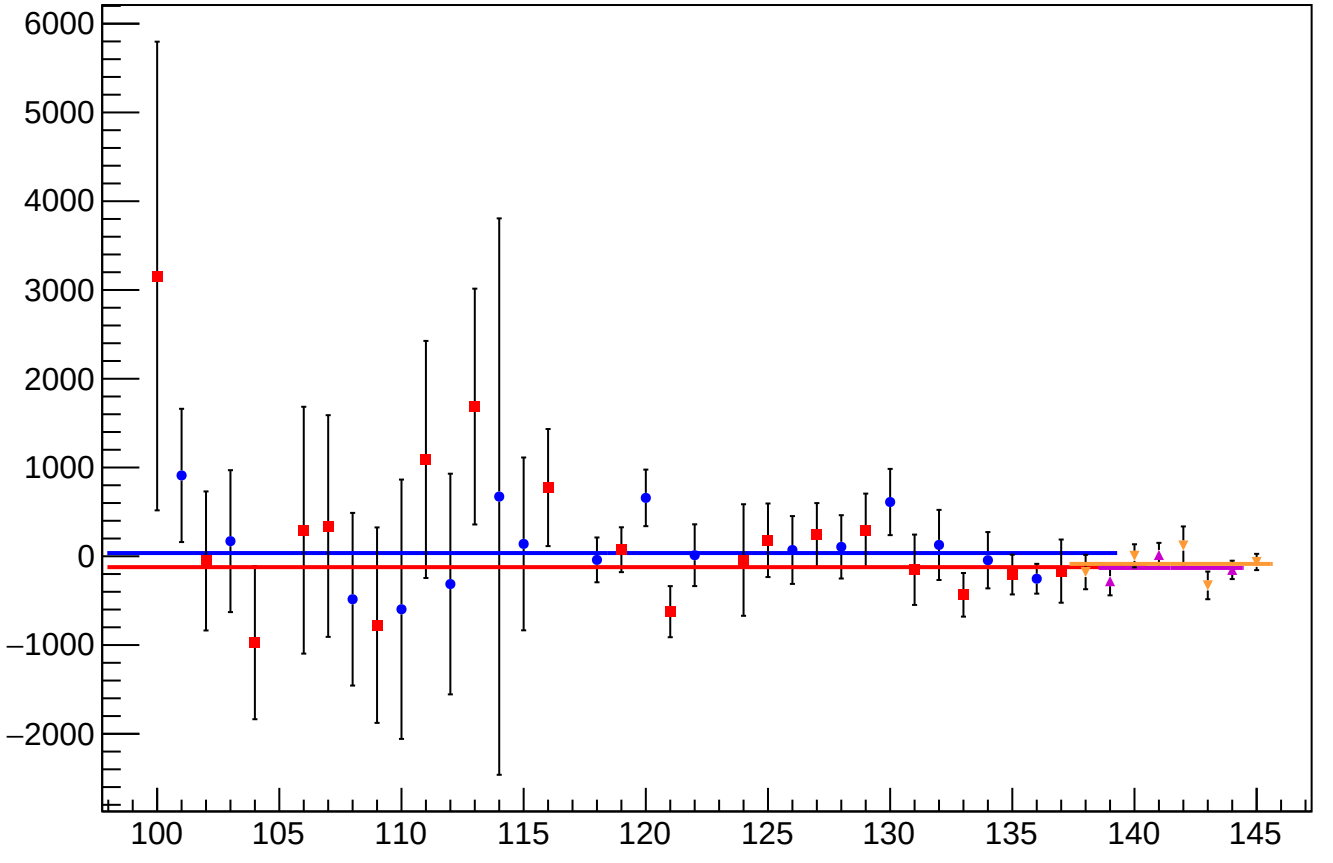
Left In: 39.280+/-0.017 χ^2/NDF:25353.3/2

+ sign 46.466+/-0.010 χ^2/NDF: 1862385.6/20

All: 47.722+/-0.008 χ^2/NDF: 3809376.2/42

- sign 49.269+/-0.012 χ^2/NDF: 1914536.0/21

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

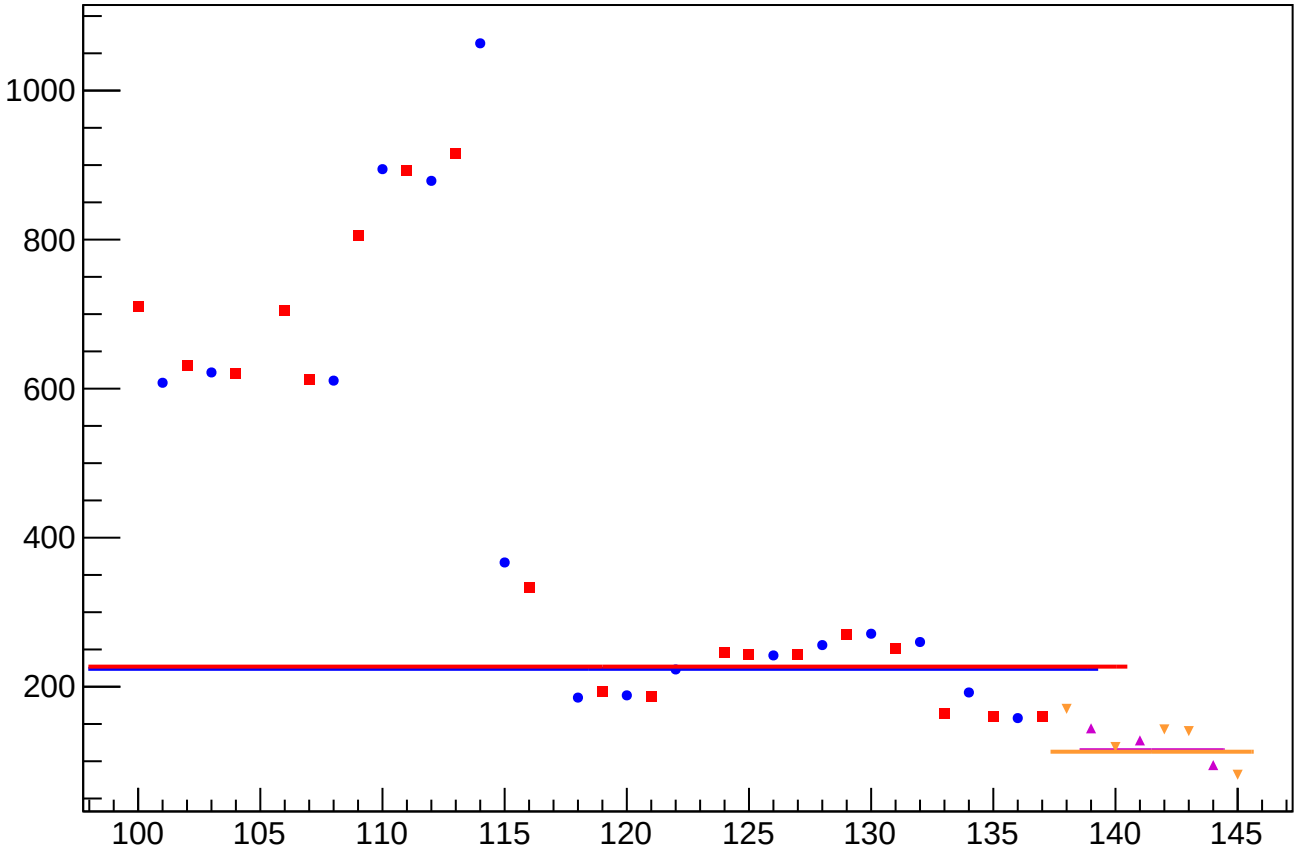
Left In: -131.482+/-73.270 χ^2/NDF:2.1/2

\+ sign -49.317+/-51.179 χ^2/NDF: 16.7/20

All: -83.659+/-38.437 χ^2/NDF: 35.4/42

\- sign -128.092+/-58.214 χ^2/NDF: 17.7/21

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

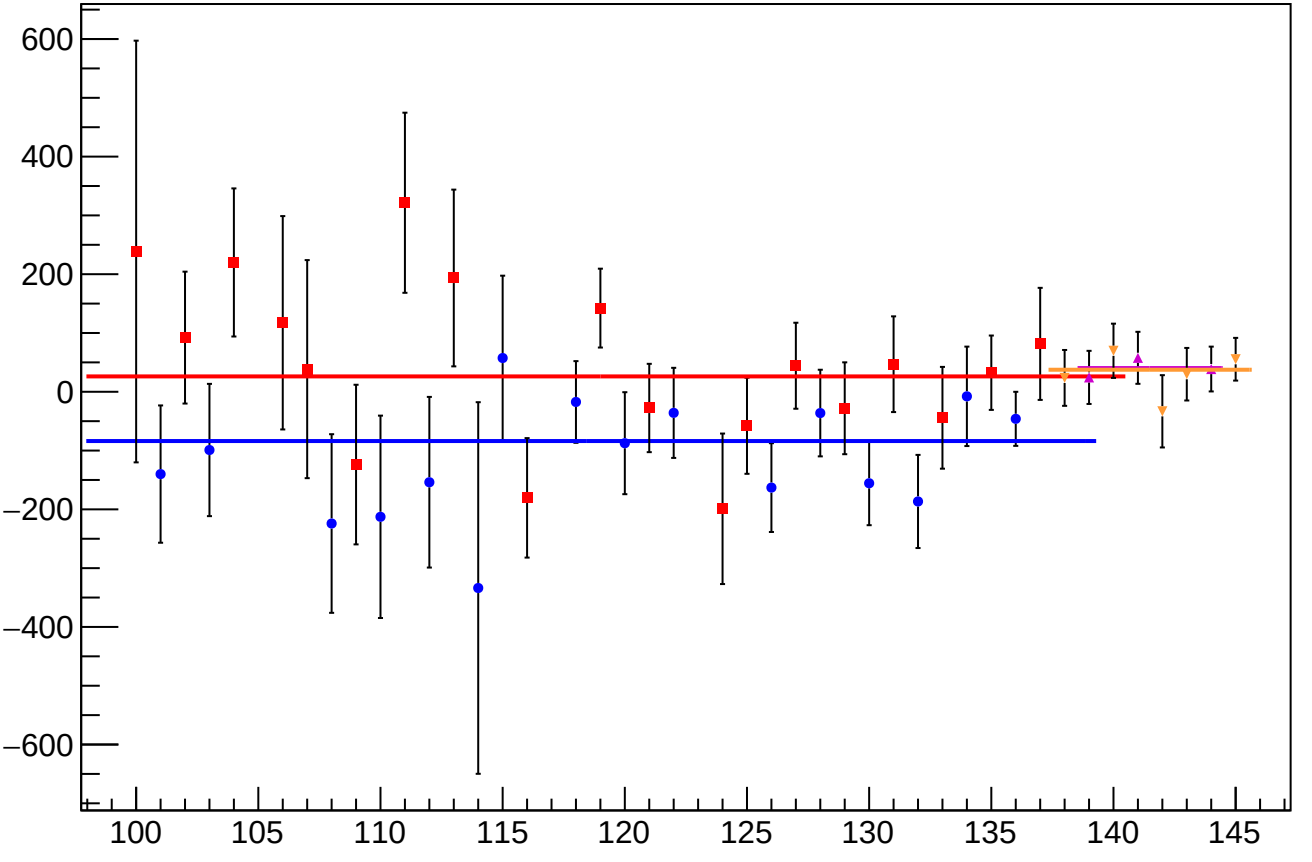
Left In: 114.819+/-0.052 χ^2/NDF:160712.7/2

+ sign 146.087+/-0.036 χ^2/NDF: 5459264.9/20

All: 150.485+/-0.027 χ^2/NDF: 10953735.1/42

- sign 156.175+/-0.041 χ^2/NDF: 5460588.0/21

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

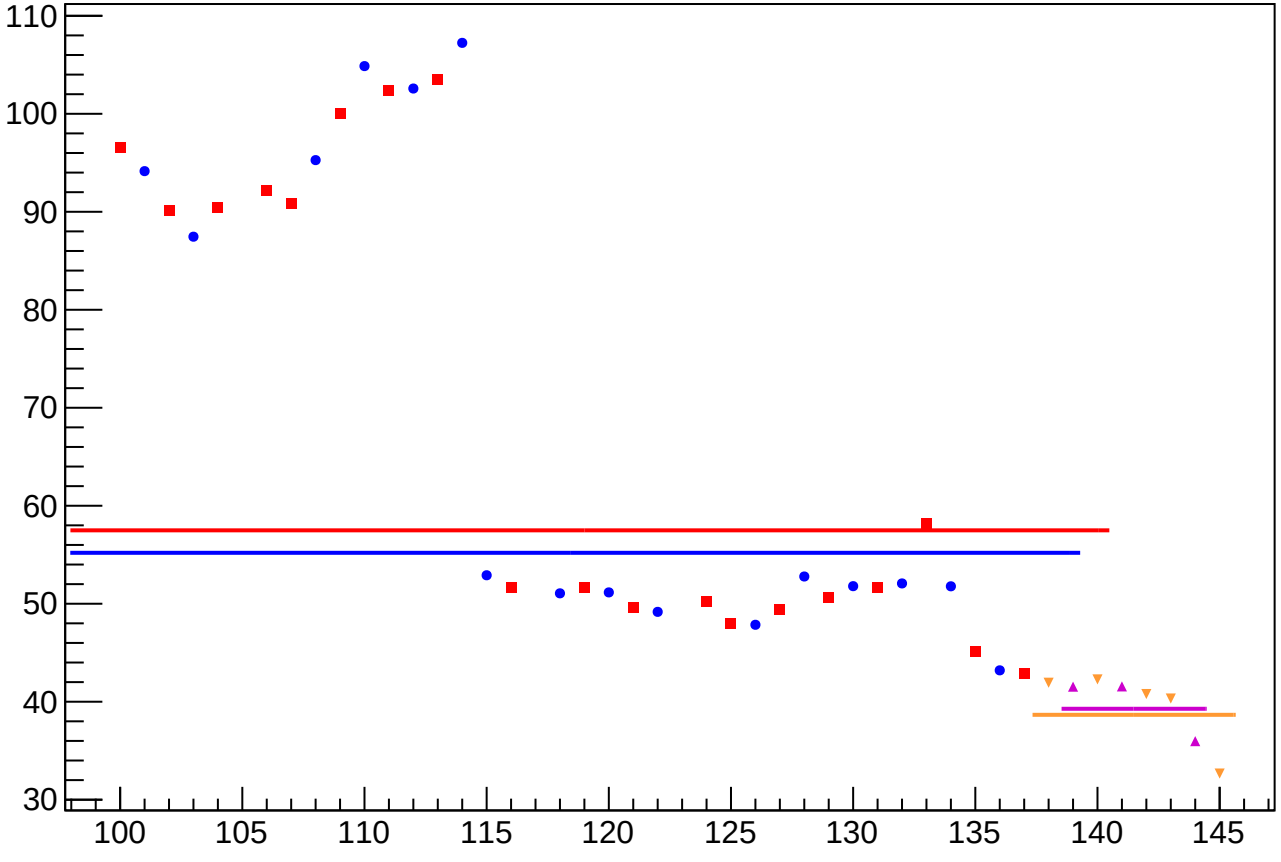
Left In: 40.332+/-24.326 χ^2/NDF:0.3/2

+ sign -19.754+/-14.725 χ^2/NDF: 29.6/20

All: 3.677+/-10.940 χ^2/NDF: 58.7/42

- sign 32.549+/-16.345 χ^2/NDF: 23.4/21

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

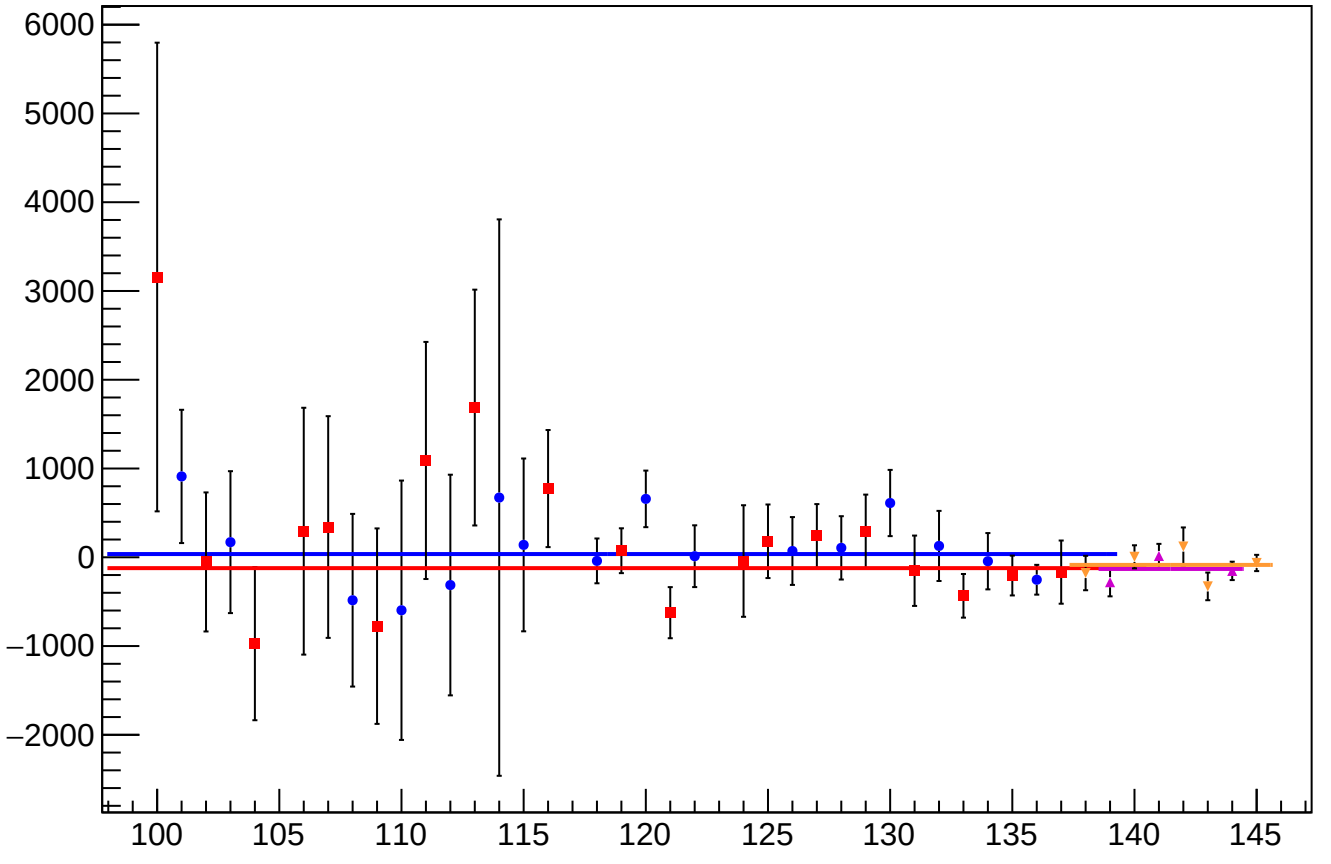
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.280+/-0.017 χ^2/NDF:25353.3/2

+ sign 46.466+/-0.010 χ^2/NDF: 1862385.6/20

All: 47.722+/-0.008 χ^2/NDF: 3809376.2/42

- sign 49.269+/-0.012 χ^2/NDF: 1914536.0/21



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -85.884+/-61.136 χ^2/NDF:4.1/4

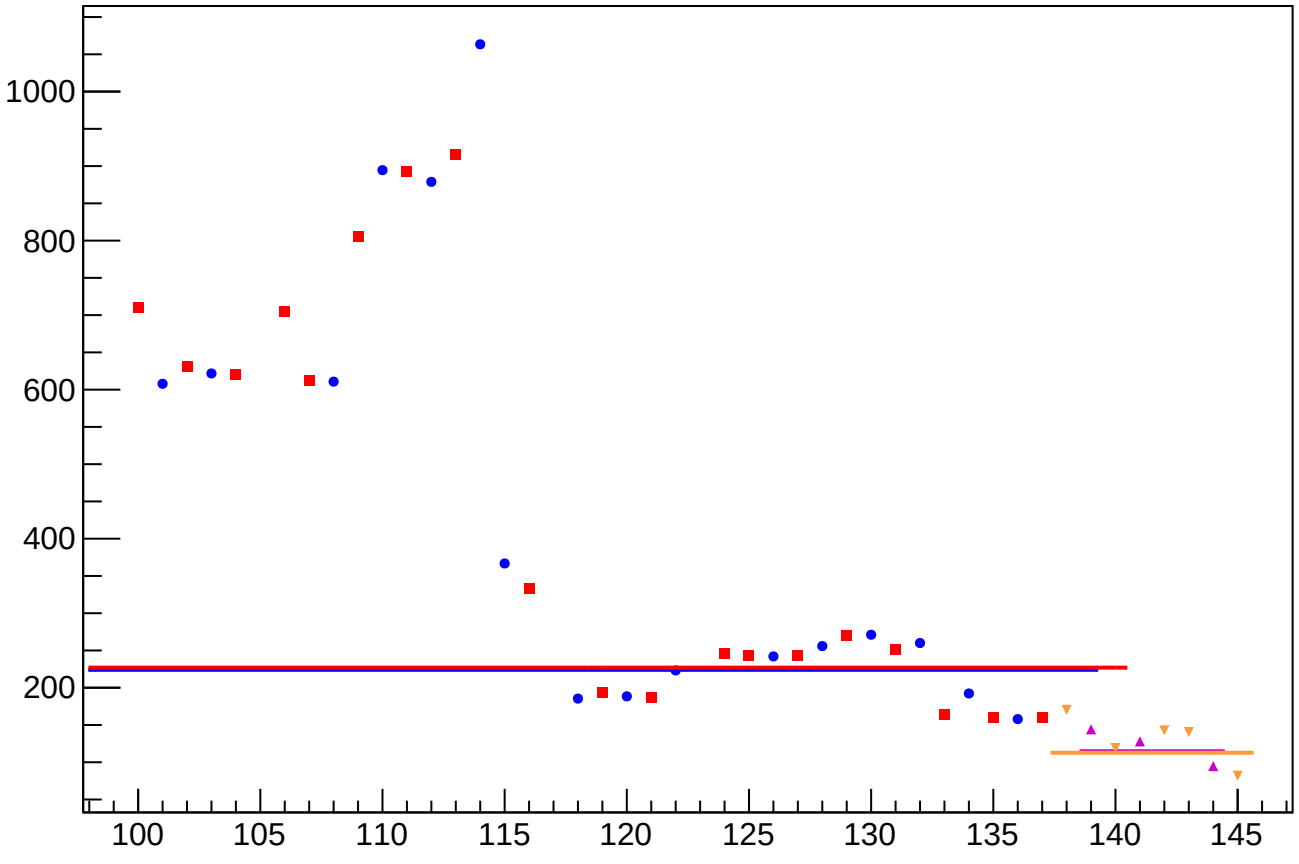
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -131.482+/-73.270 χ^2/NDF:2.1/2

\+ sign -49.317+/-51.179 χ^2/NDF: 16.7/20

All: -83.659+/-38.437 χ^2/NDF: 35.4/42

\- sign -128.092+/-58.214 χ^2/NDF: 17.7/21



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

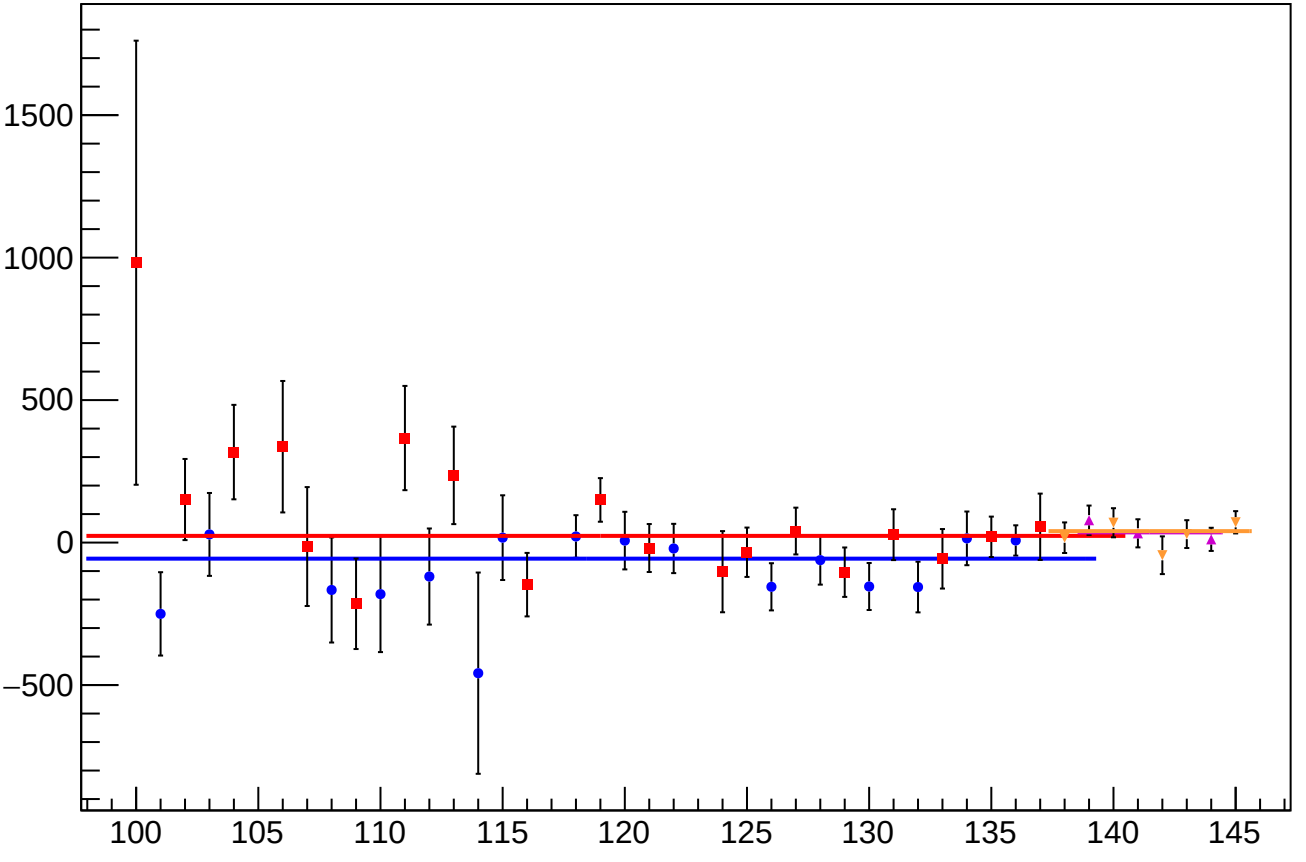
Left In: 114.819+/-0.052 χ^2/NDF:160712.7/2

+ sign 146.087+/-0.036 χ^2/NDF: 5459264.9/20

All: 150.485+/-0.027 χ^2/NDF: 10953735.1/42

- sign 156.175+/-0.041 χ^2/NDF: 5460588.0/21

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

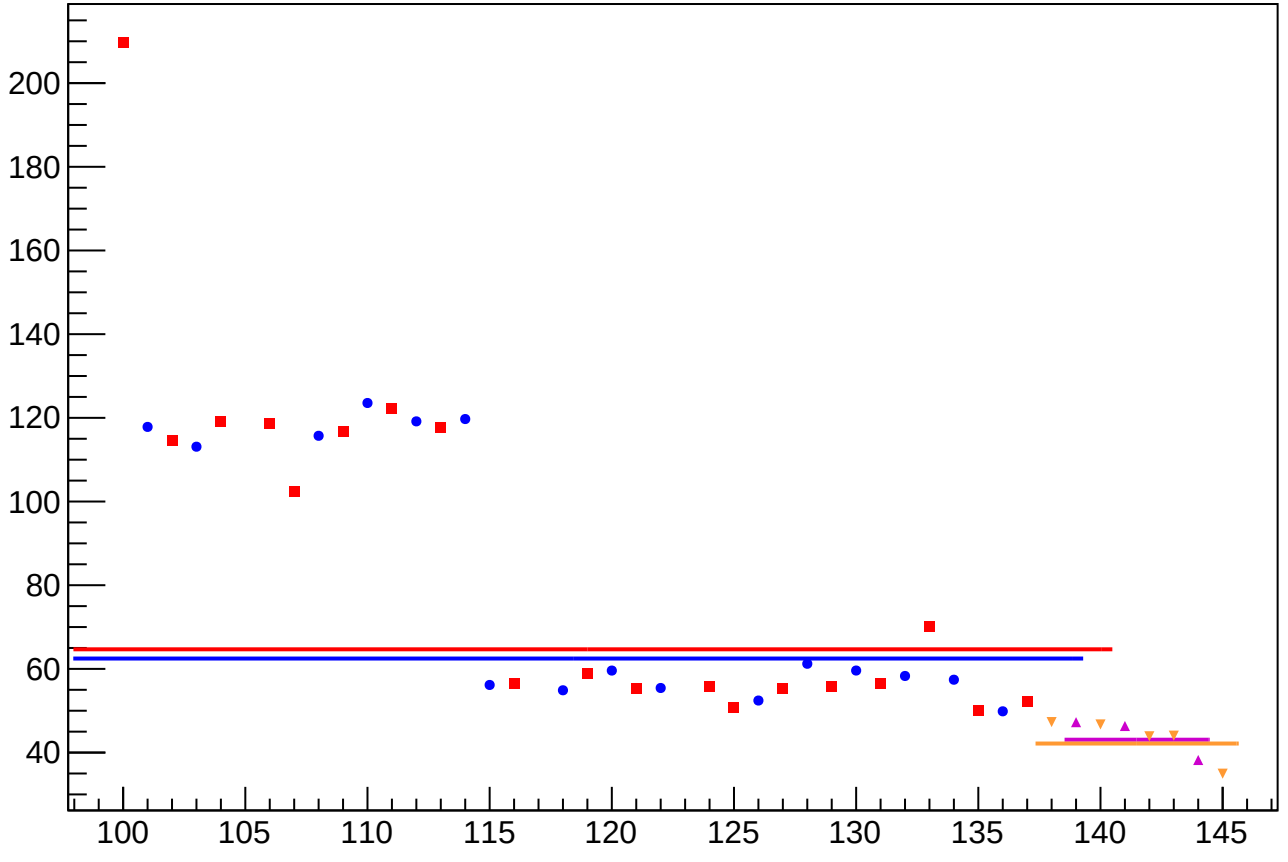
Left In: 35.776+/-26.776 χ^2/NDF:1.1/2

+ sign -3.367+/-16.438 χ^2/NDF: 23.6/20

All: 11.169+/-12.240 χ^2/NDF: 50.6/42

- sign 29.254+/-18.336 χ^2/NDF: 25.3/21

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

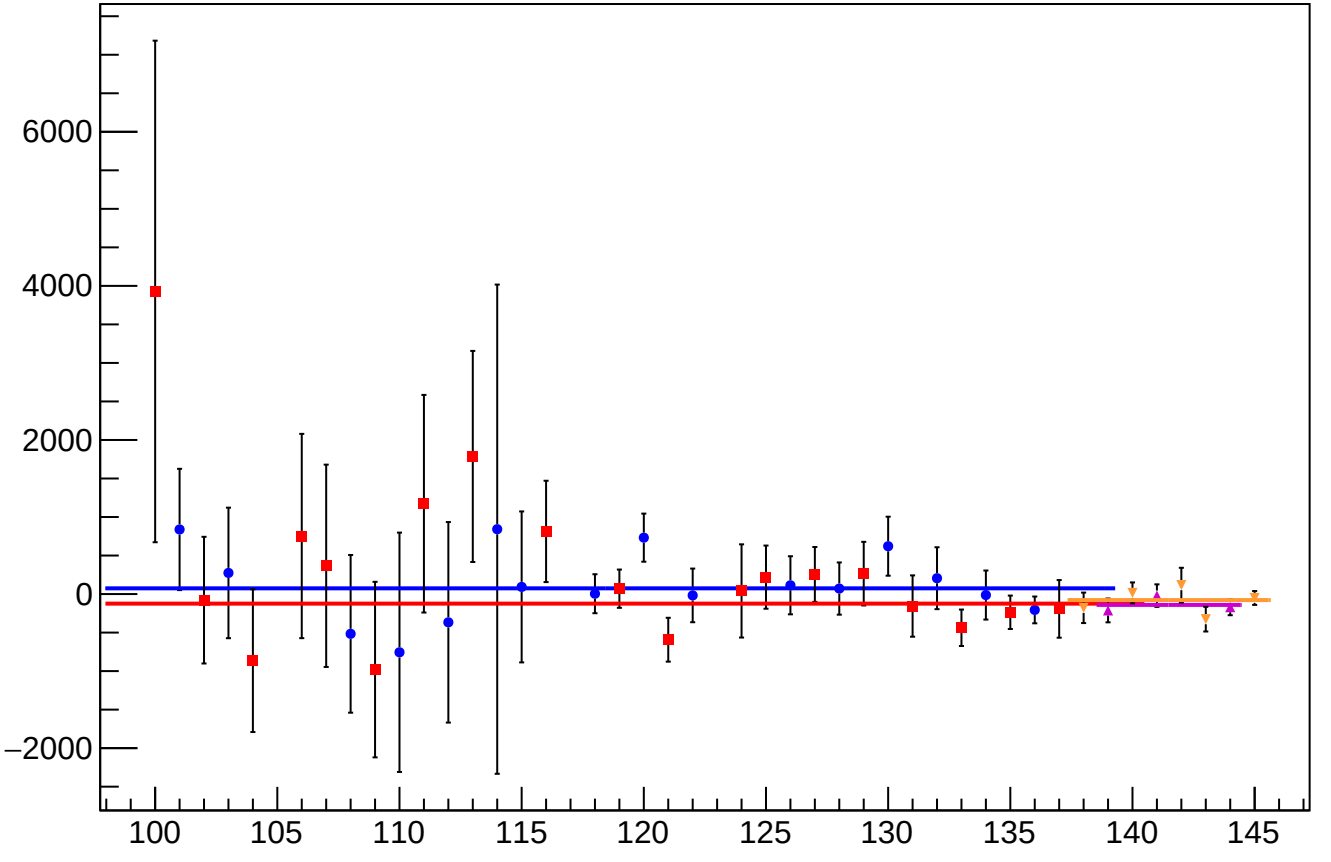
Left In: 43.073+/-0.019 χ^2/NDF:50595.8/2

+ sign 51.313+/-0.012 χ^2/NDF: 2210922.3/20

All: 52.755+/-0.009 χ^2/NDF: 4578127.0/42

- sign 54.548+/-0.013 χ^2/NDF: 2332681.2/21

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

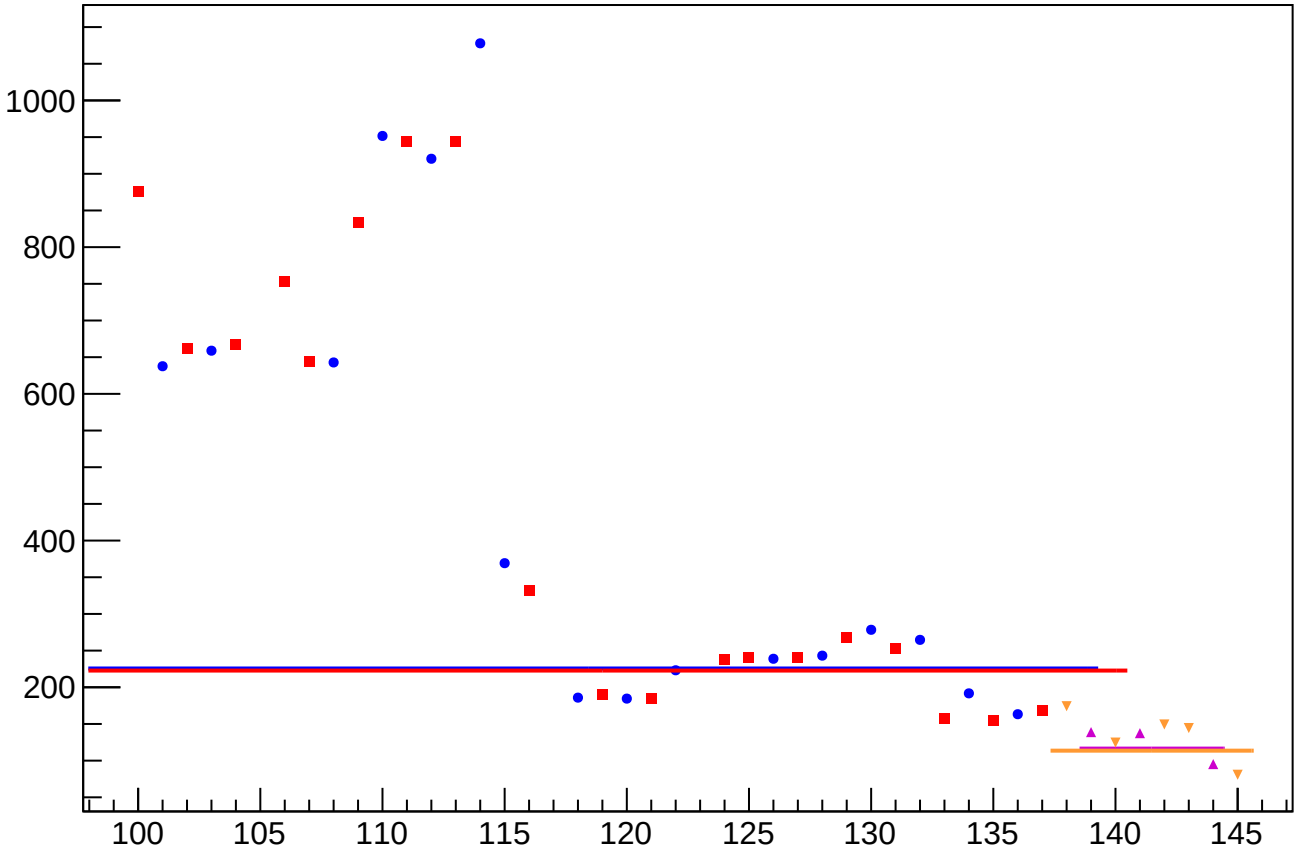
Left In: -140.957+/-74.560 χ^2/NDF:1.0/2

+ sign -32.516+/-51.735 χ^2/NDF: 17.0/20

All: -77.228+/-38.776 χ^2/NDF: 36.0/42

- sign -134.542+/-58.574 χ^2/NDF: 17.3/21

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

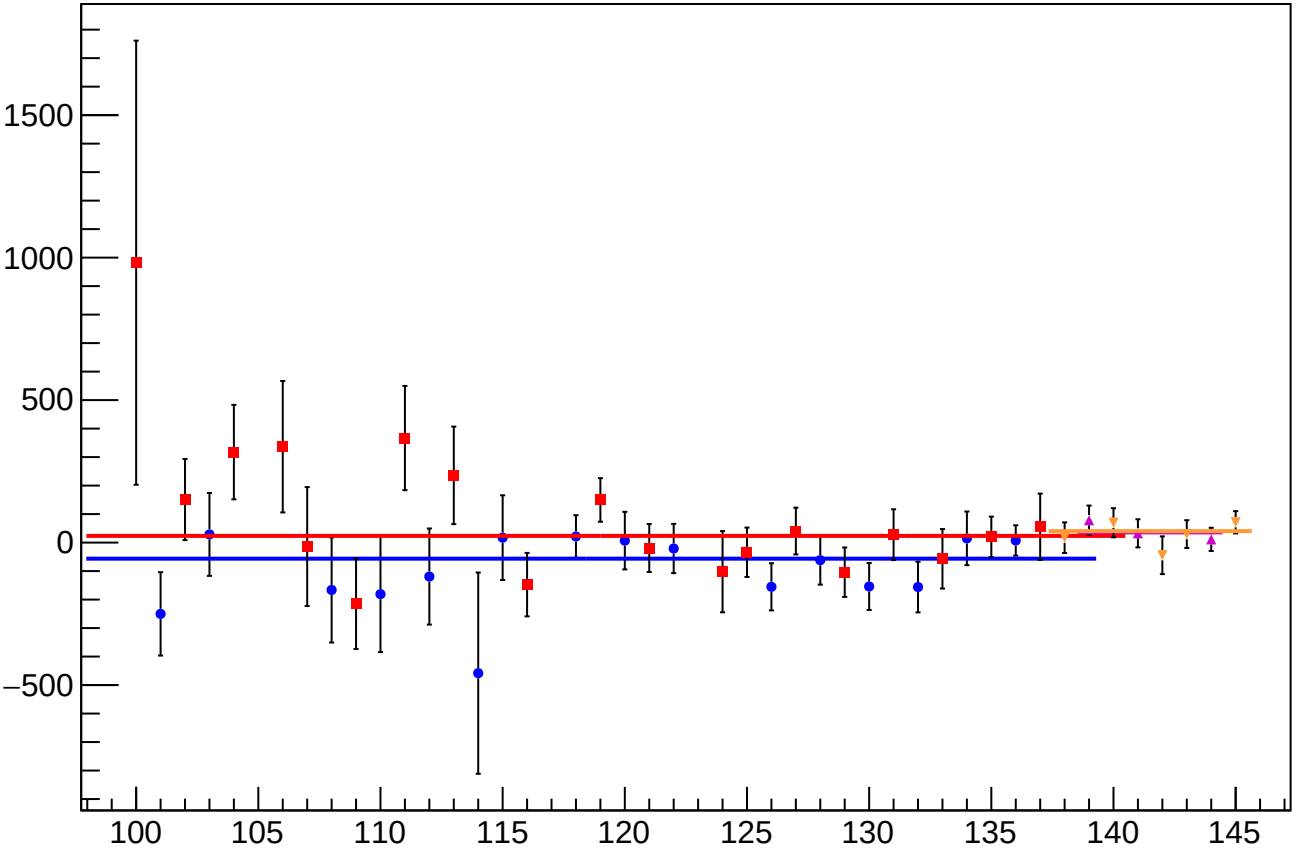
Left In: 116.404+/-0.053 χ^2/NDF:165184.9/2

+ sign 147.180+/-0.037 χ^2/NDF: 5585419.8/20

All: 151.541+/-0.027 χ^2/NDF: 11189958.2/42

- sign 157.132+/-0.041 χ^2/NDF: 5572109.1/21

eigen_dit_asym_sam_37_26_dd_mean vs Slug



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

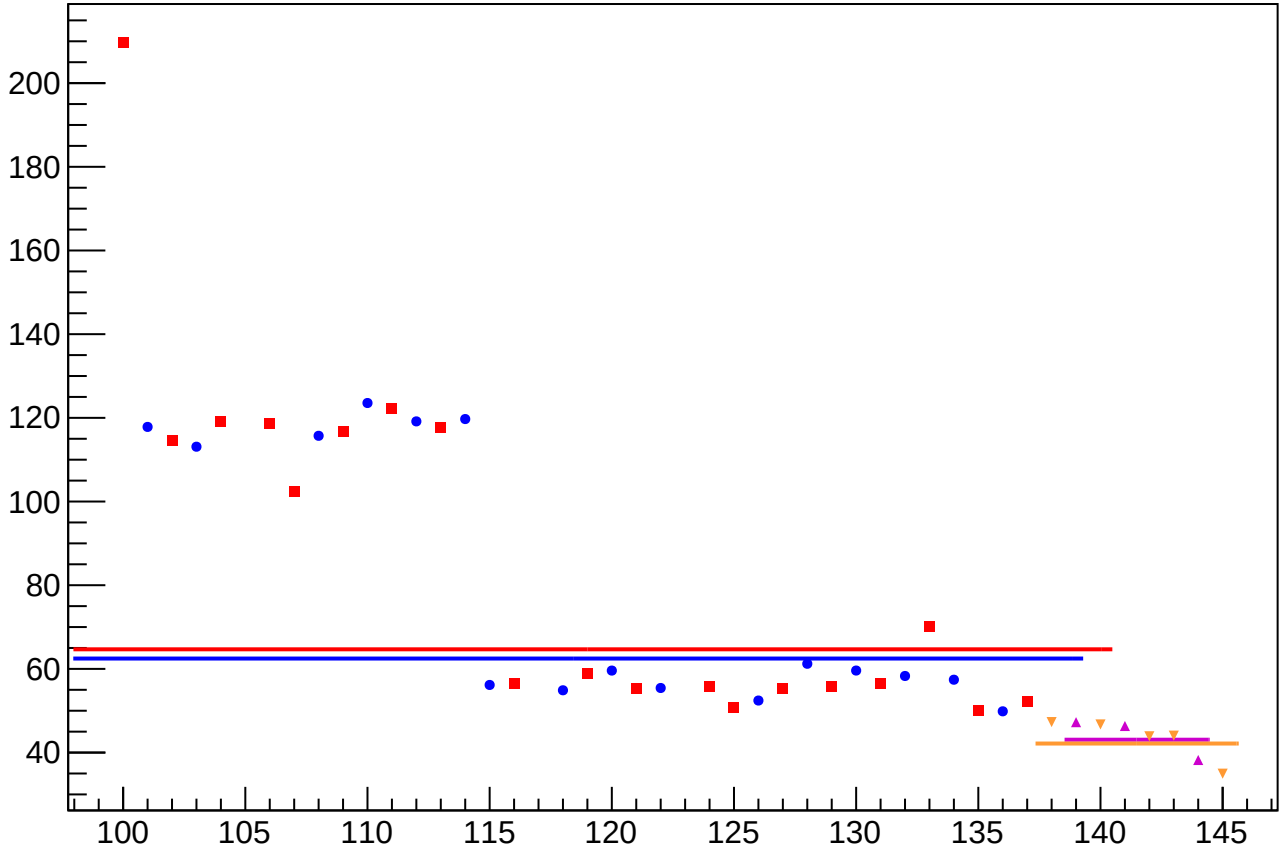
Left In: 35.775+/-26.776 χ^2/NDF:1.1/2

\+ sign -3.367+/-16.438 χ^2/NDF: 23.6/20

All: 11.169+/-12.240 χ^2/NDF: 50.6/42

\- sign 29.255+/-18.336 χ^2/NDF: 25.3/21

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

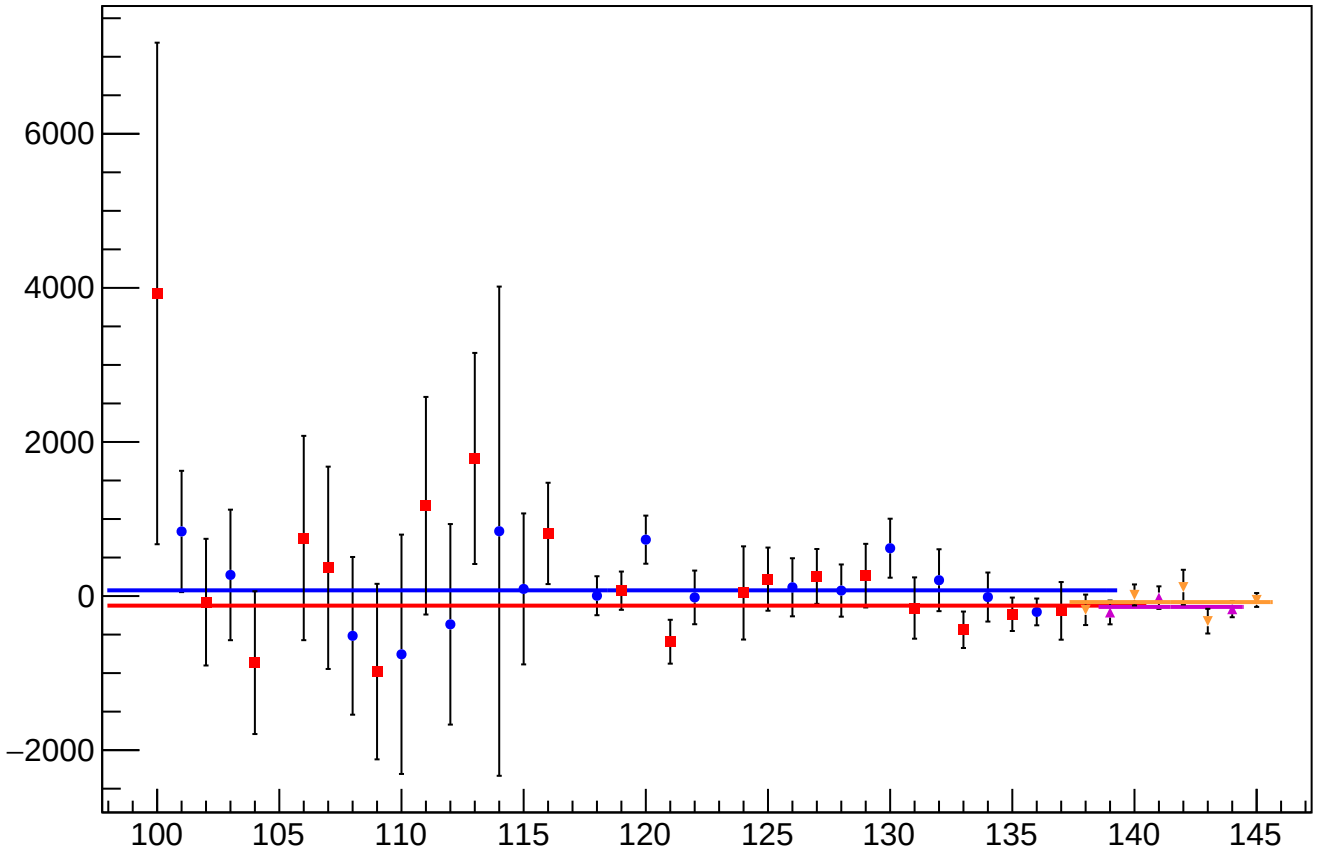
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 43.073+/-0.019 χ^2/NDF:50594.5/2

+ sign 51.313+/-0.012 χ^2/NDF: 2210867.8/20

All: 52.755+/-0.009 χ^2/NDF: 4578030.4/42

- sign 54.548+/-0.013 χ^2/NDF: 2332638.2/21



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -78.239+/-61.825 χ^2/NDF:4.0/4

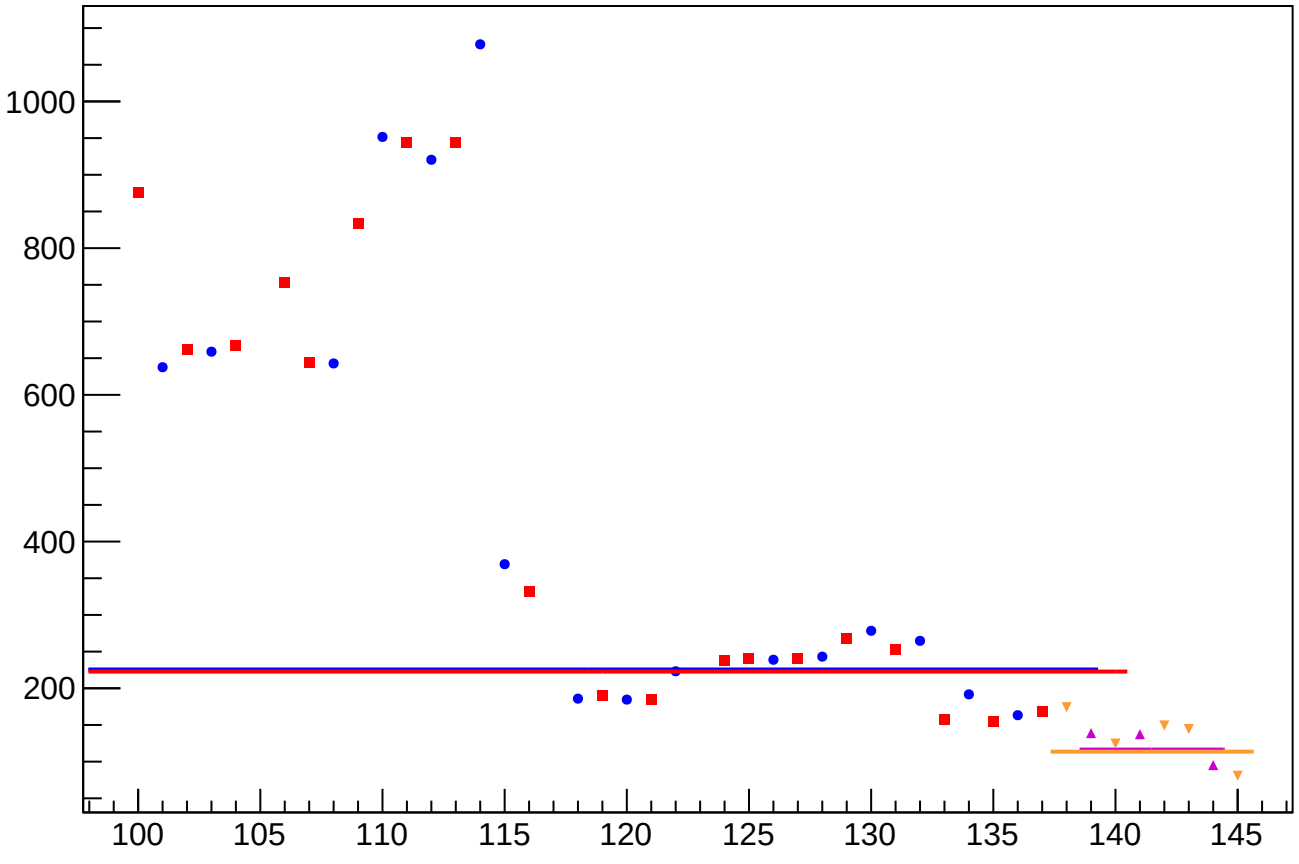
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -140.958+/-74.561 χ^2/NDF:1.0/2

+ sign -32.515+/-51.735 χ^2/NDF: 17.0/20

All: -77.227+/-38.776 χ^2/NDF: 36.0/42

- sign -134.542+/-58.574 χ^2/NDF: 17.3/21



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 113.604+/-0.044 χ^2/NDF:591534.1/4

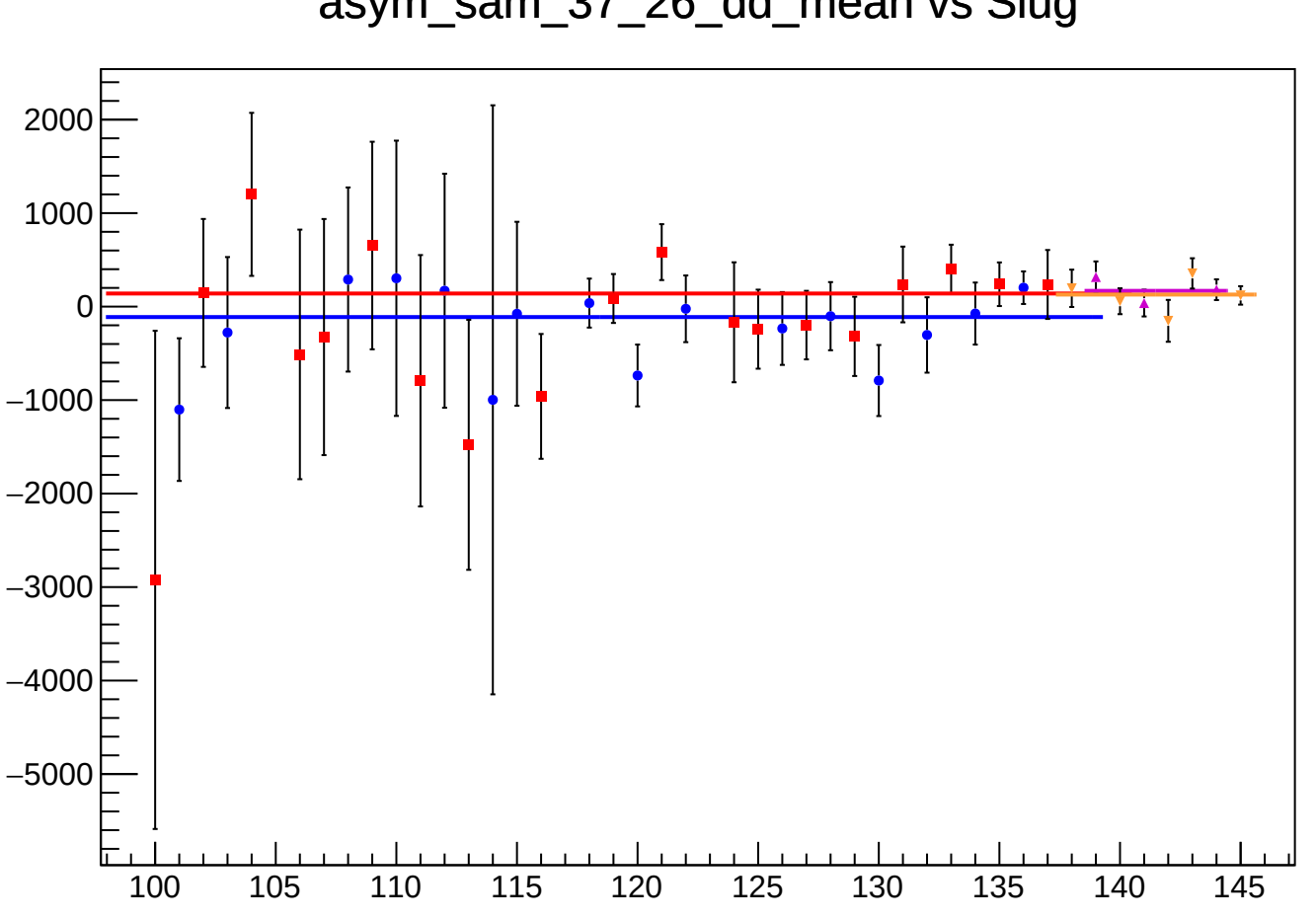
Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 116.404+/-0.053 χ^2/NDF:165188.5/2

\+ sign 147.181+/-0.037 χ^2/NDF: 5585395.0/20

All: 151.542+/-0.027 χ^2/NDF: 11189912.2/42

\- sign 157.132+/-0.041 χ^2/NDF: 5572087.8/21



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

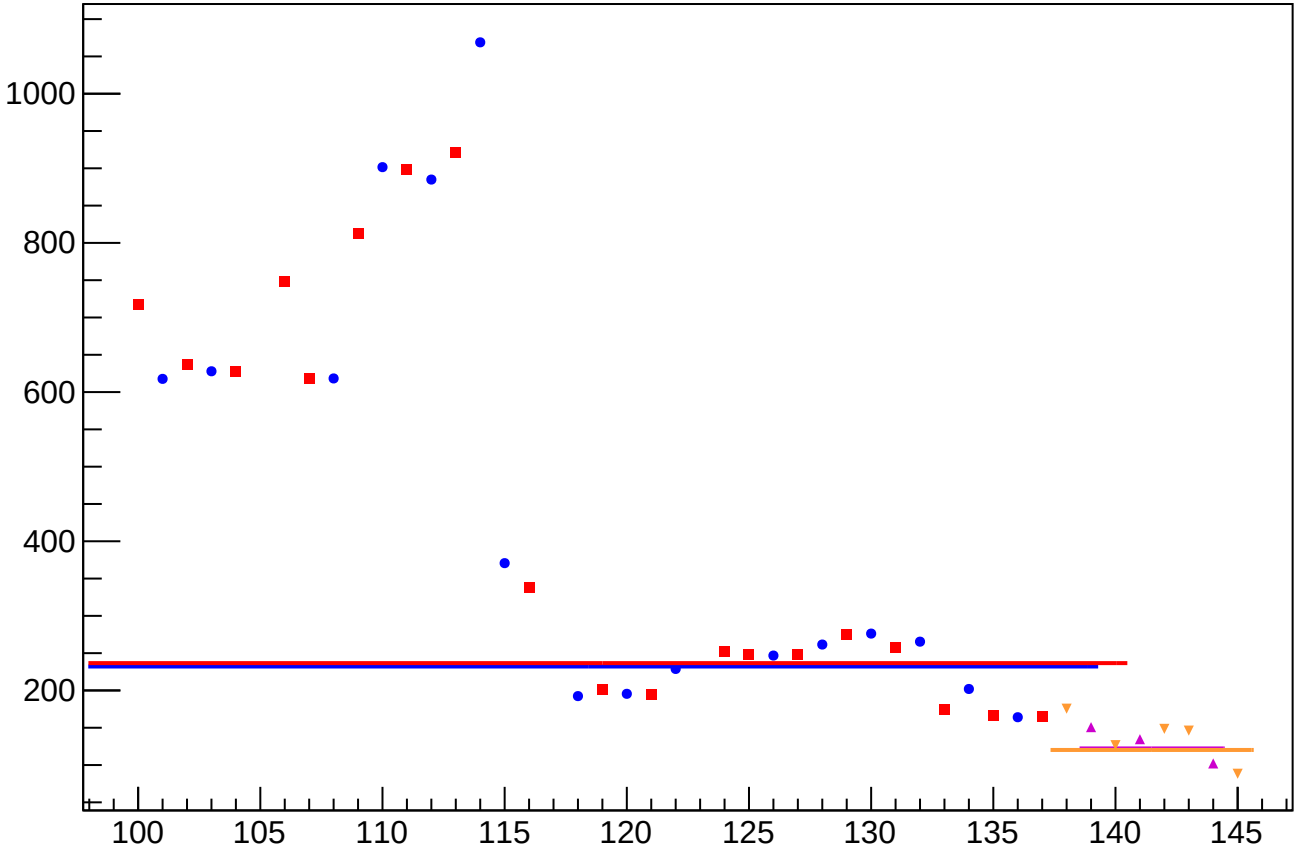
Left In: 168.374+/-77.661 χ^2/NDF:1.6/2

+ sign 54.015+/-53.824 χ^2/NDF: 21.0/20

All: 99.230+/-40.401 χ^2/NDF: 39.0/42

- sign 157.579+/-61.144 χ^2/NDF: 16.3/21

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

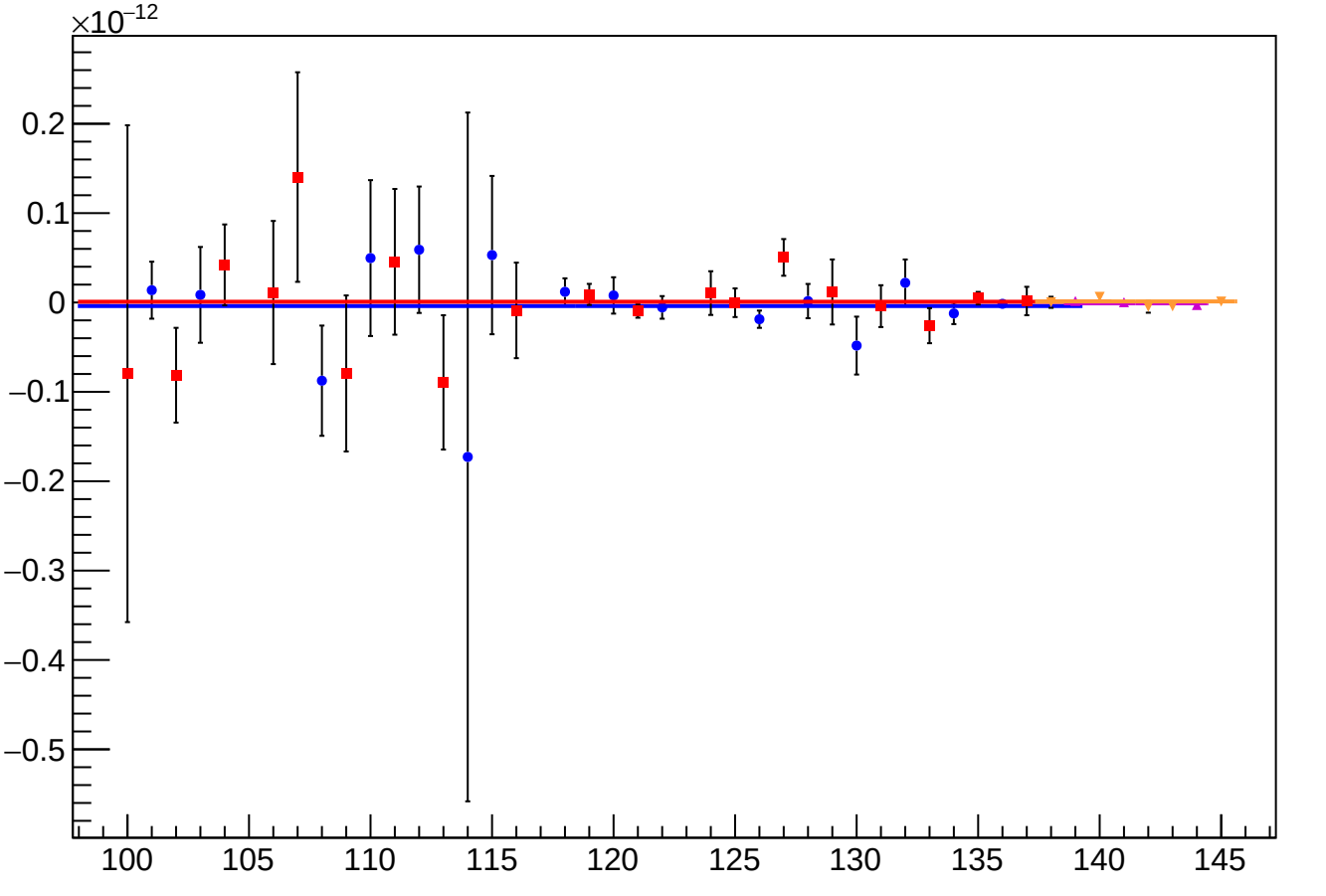
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 122.260+/-0.055 χ^2/NDF:139311.4/2

+ sign 154.991+/-0.038 χ^2/NDF: 5186381.7/20

All: 159.684+/-0.029 χ^2/NDF: 10530854.8/42

- sign 165.740+/-0.043 χ^2/NDF: 5309647.5/21



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/4

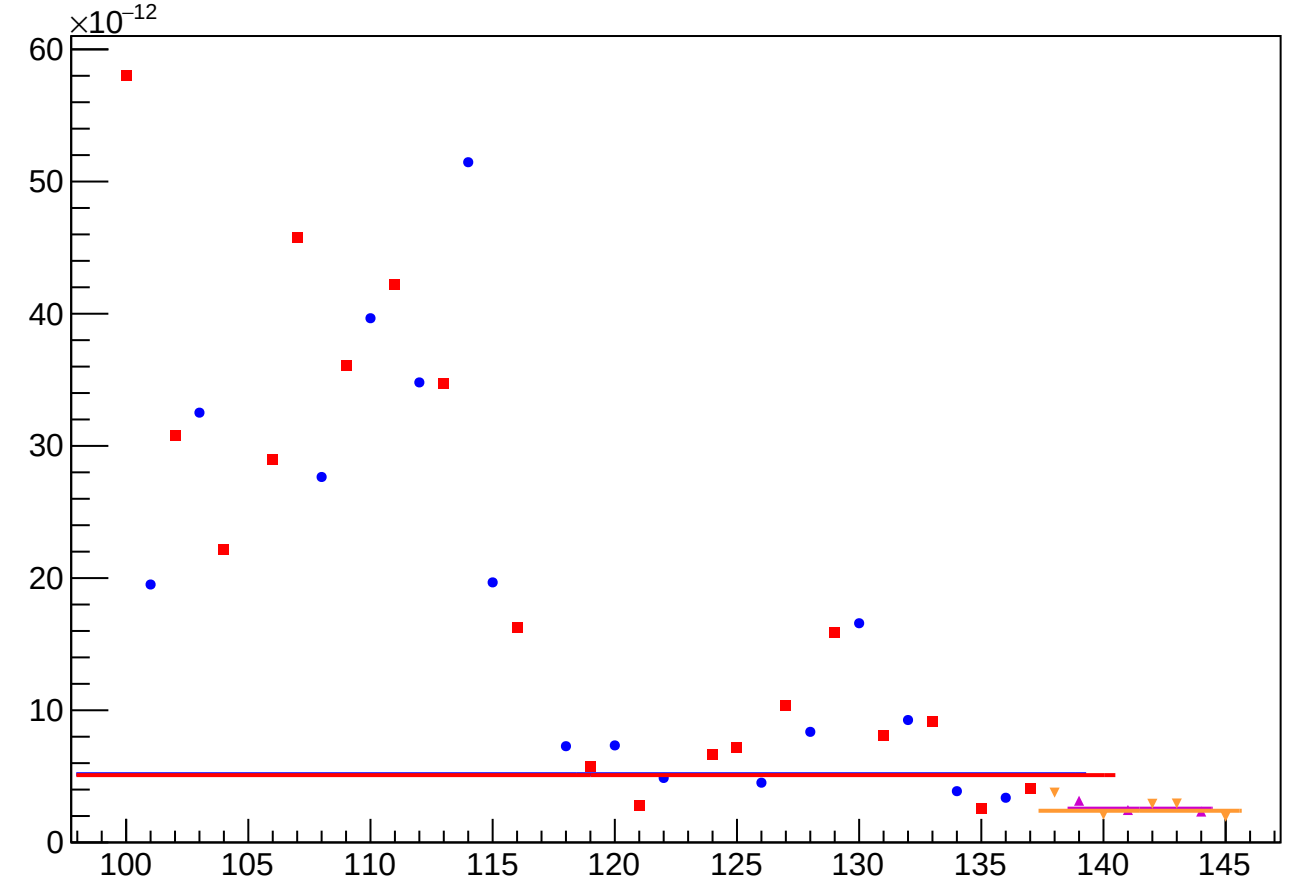
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 17.1/20

All: -0.000+/-0.000 χ^2/NDF: 36.0/42

- sign -0.000+/-0.000 χ^2/NDF: 18.9/21



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

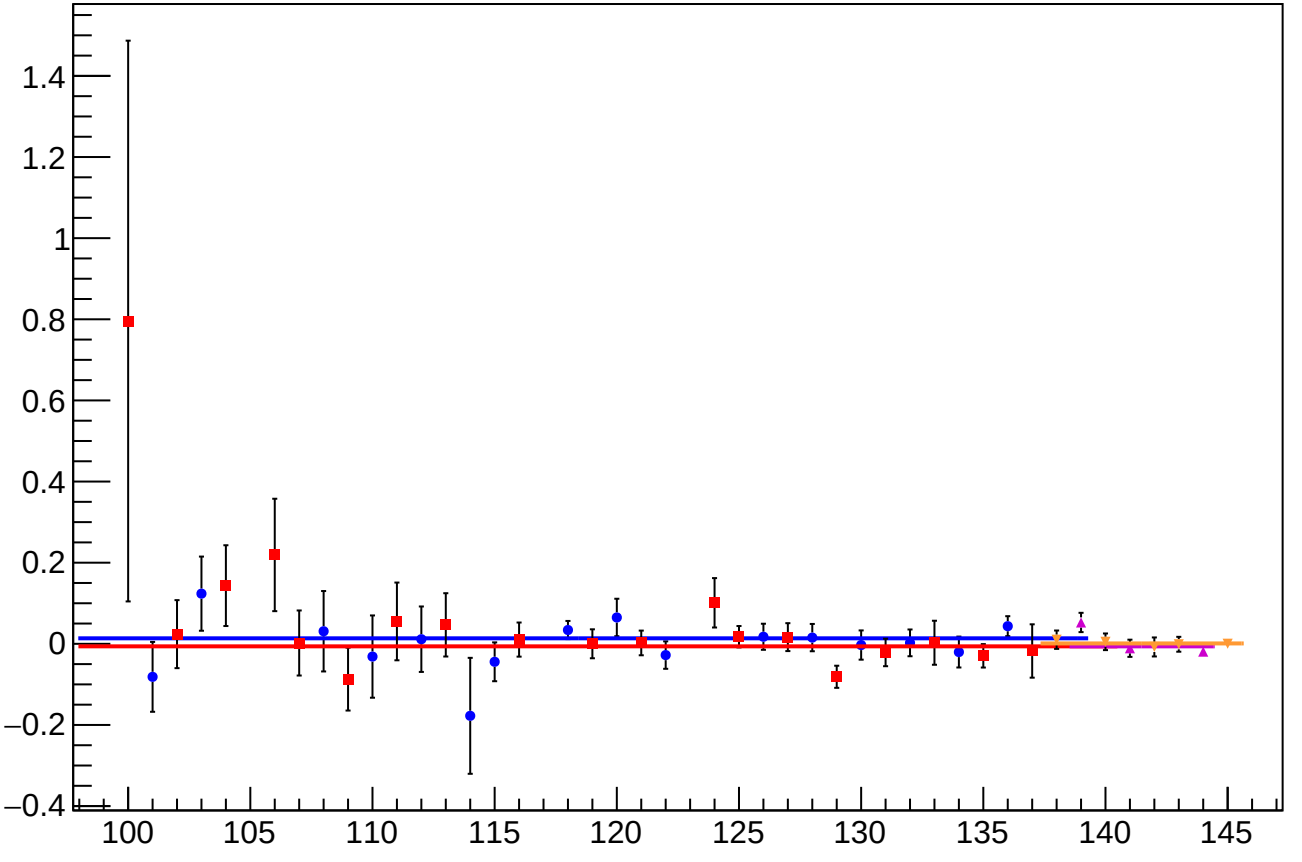
Left In: 0.000+/-0.000 χ^2/NDF:37287.1/2

+ sign 0.000+/-0.000 χ^2/NDF: 3695193.6/20

All: 0.000+/-0.000 χ^2/NDF: 7586440.3/42

- sign 0.000+/-0.000 χ^2/NDF: 3874524.1/21

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

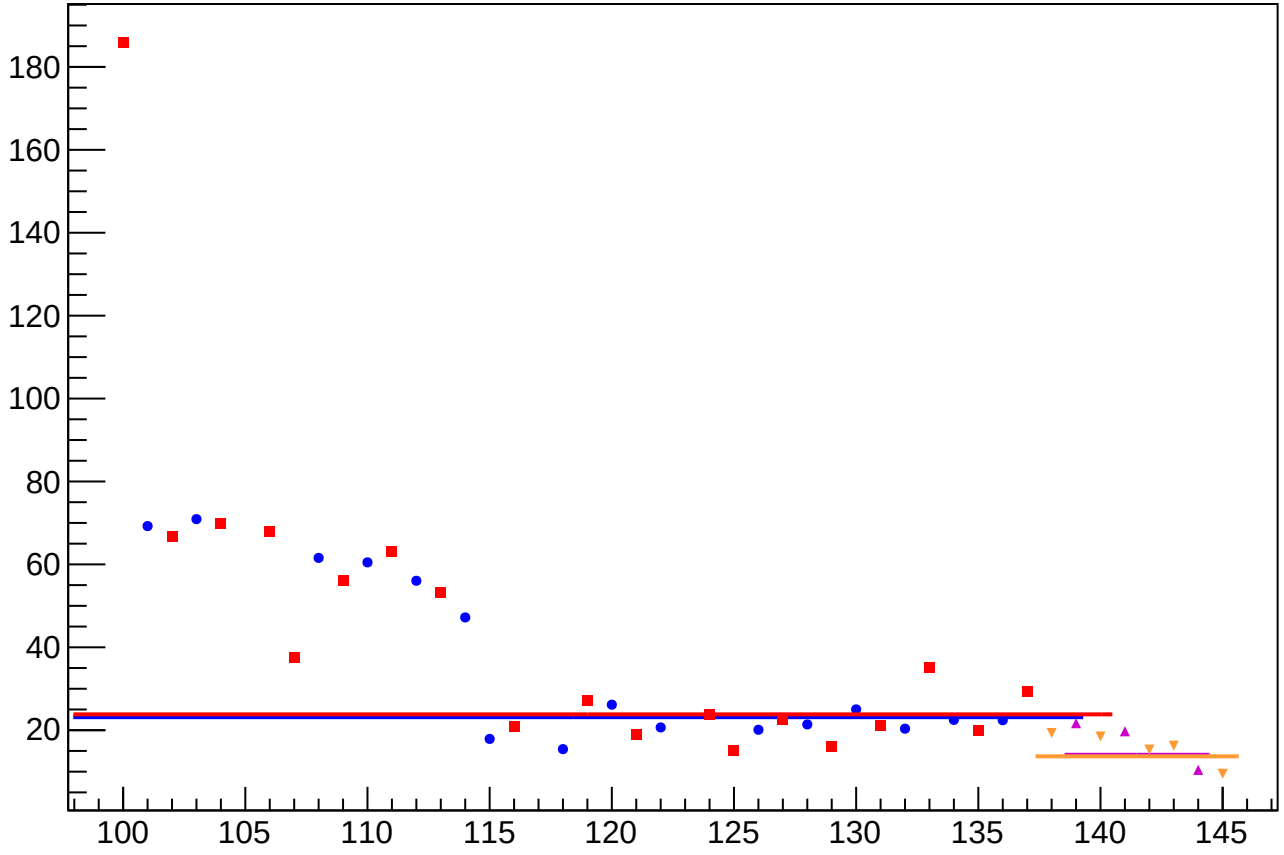
Left In: -0.006+/-0.009 χ^2/NDF:7.4/2

+ sign 0.006+/-0.006 χ^2/NDF: 13.7/20

All: 0.001+/-0.005 χ^2/NDF: 44.3/42

- sign -0.006+/-0.007 χ^2/NDF: 28.9/21

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

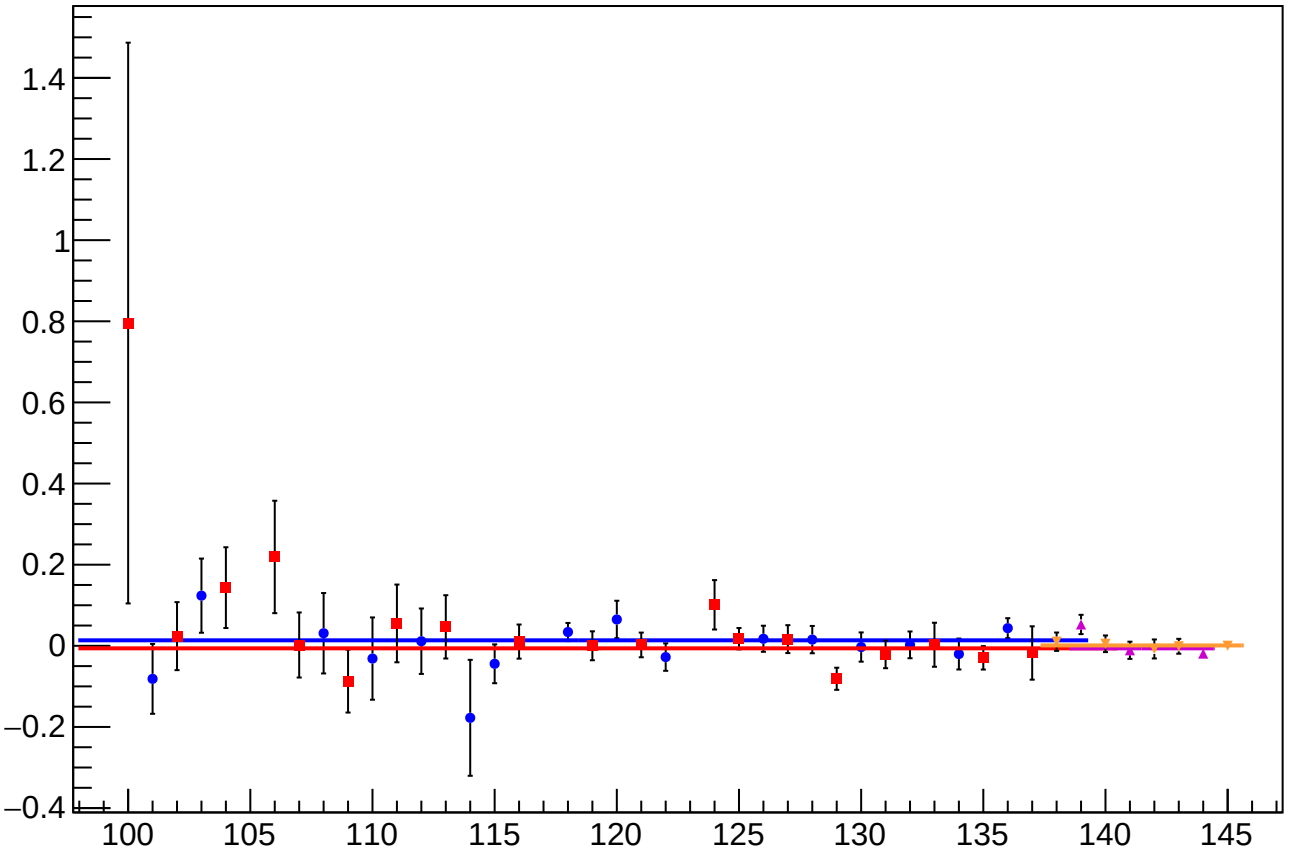
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.069+/-0.007 χ^2/NDF:539498.3/2

+ sign 17.270+/-0.004 χ^2/NDF: 4108517.1/20

All: 17.867+/-0.003 χ^2/NDF: 8589507.6/42

- sign 18.641+/-0.005 χ^2/NDF: 4436371.6/21



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.008 χ^2/NDF:0.4/4

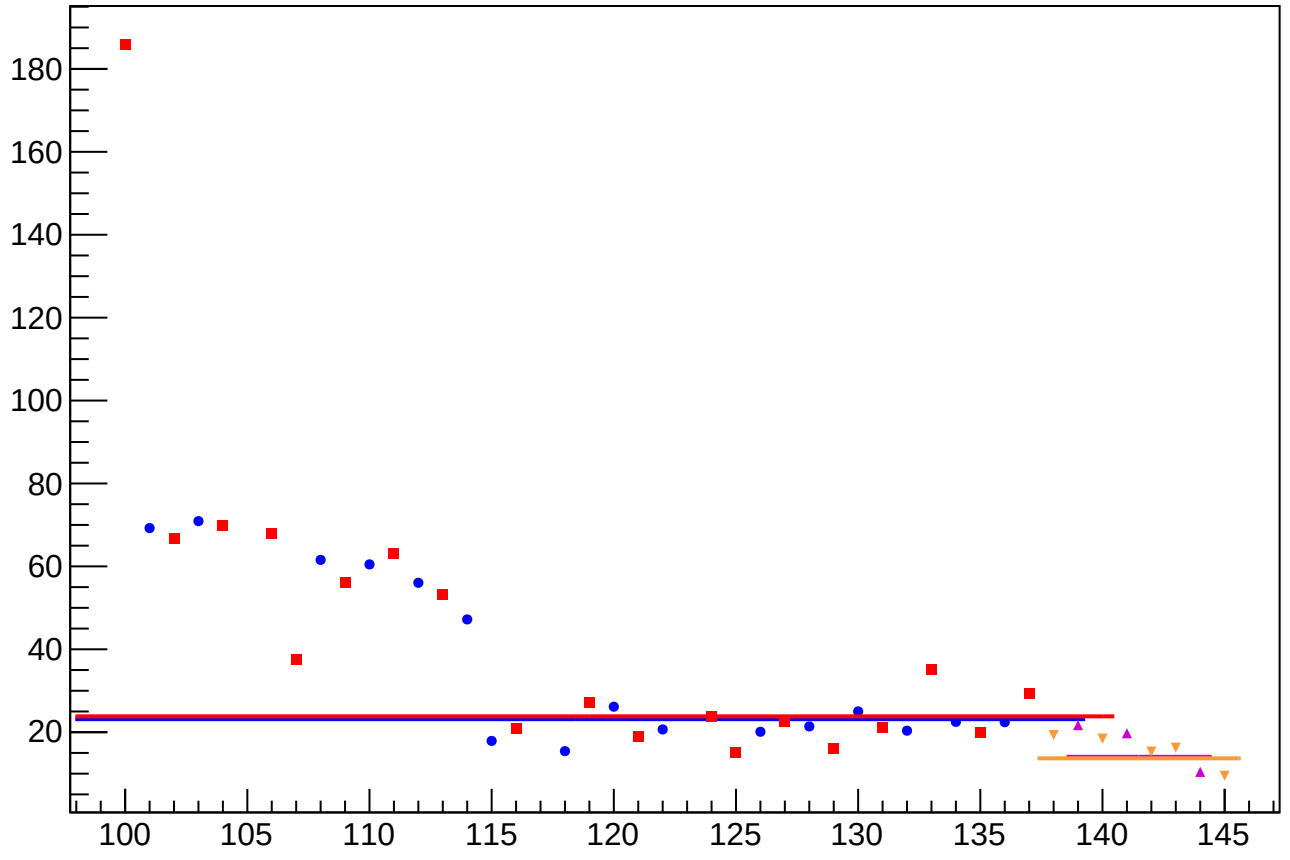
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.006+/-0.009 χ^2/NDF:7.4/2

+ sign 0.006+/-0.006 χ^2/NDF: 13.7/20

All: 0.001+/-0.005 χ^2/NDF: 44.3/42

- sign -0.006+/-0.007 χ^2/NDF: 28.9/21



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 13.695+/-0.005 χ^2/NDF:556930.5/4

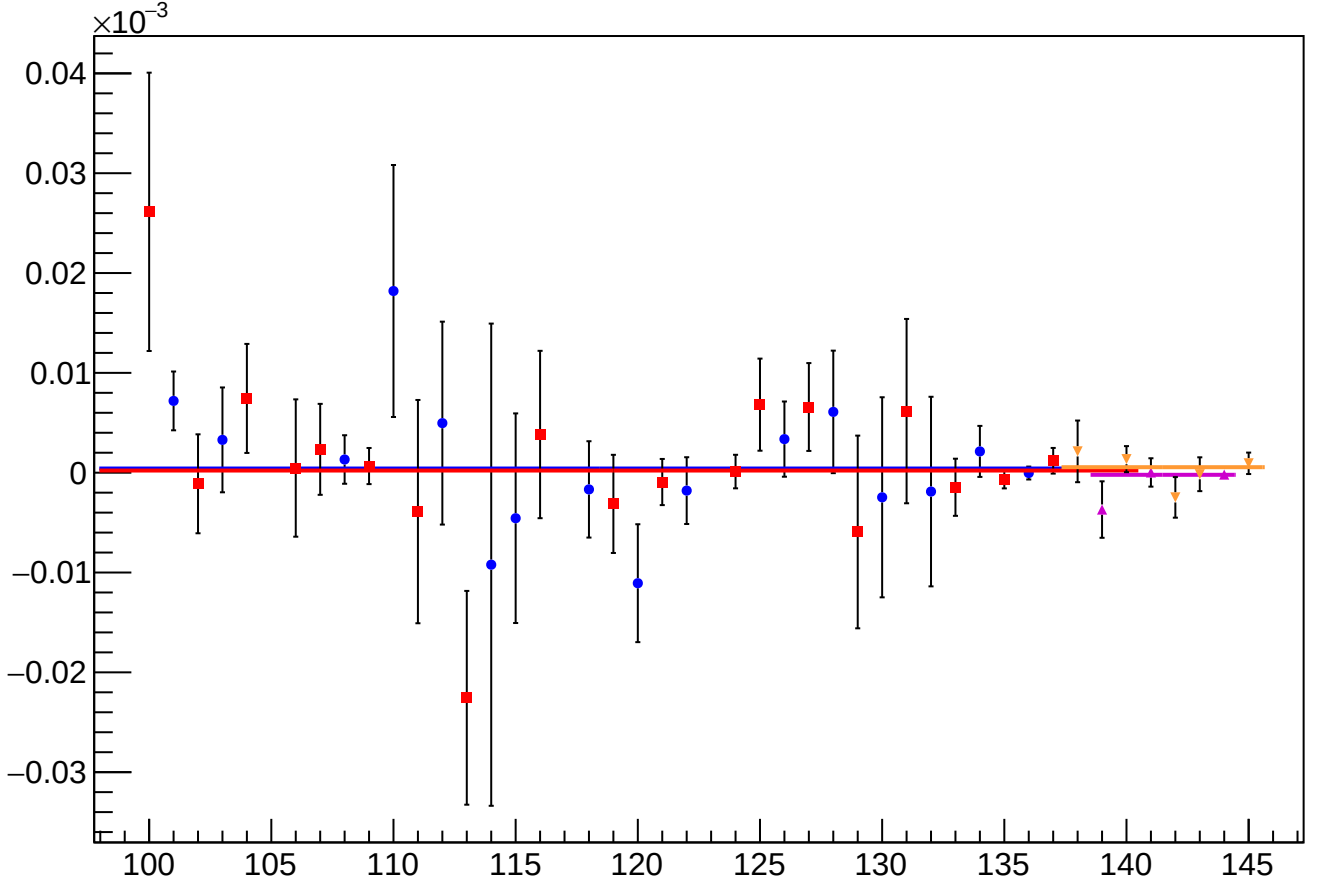
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.069+/-0.007 χ^2/NDF:539498.3/2

+ sign 17.270+/-0.004 χ^2/NDF: 4108517.1/20

All: 17.867+/-0.003 χ^2/NDF: 8589507.6/42

- sign 18.641+/-0.005 χ^2/NDF: 4436371.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/4

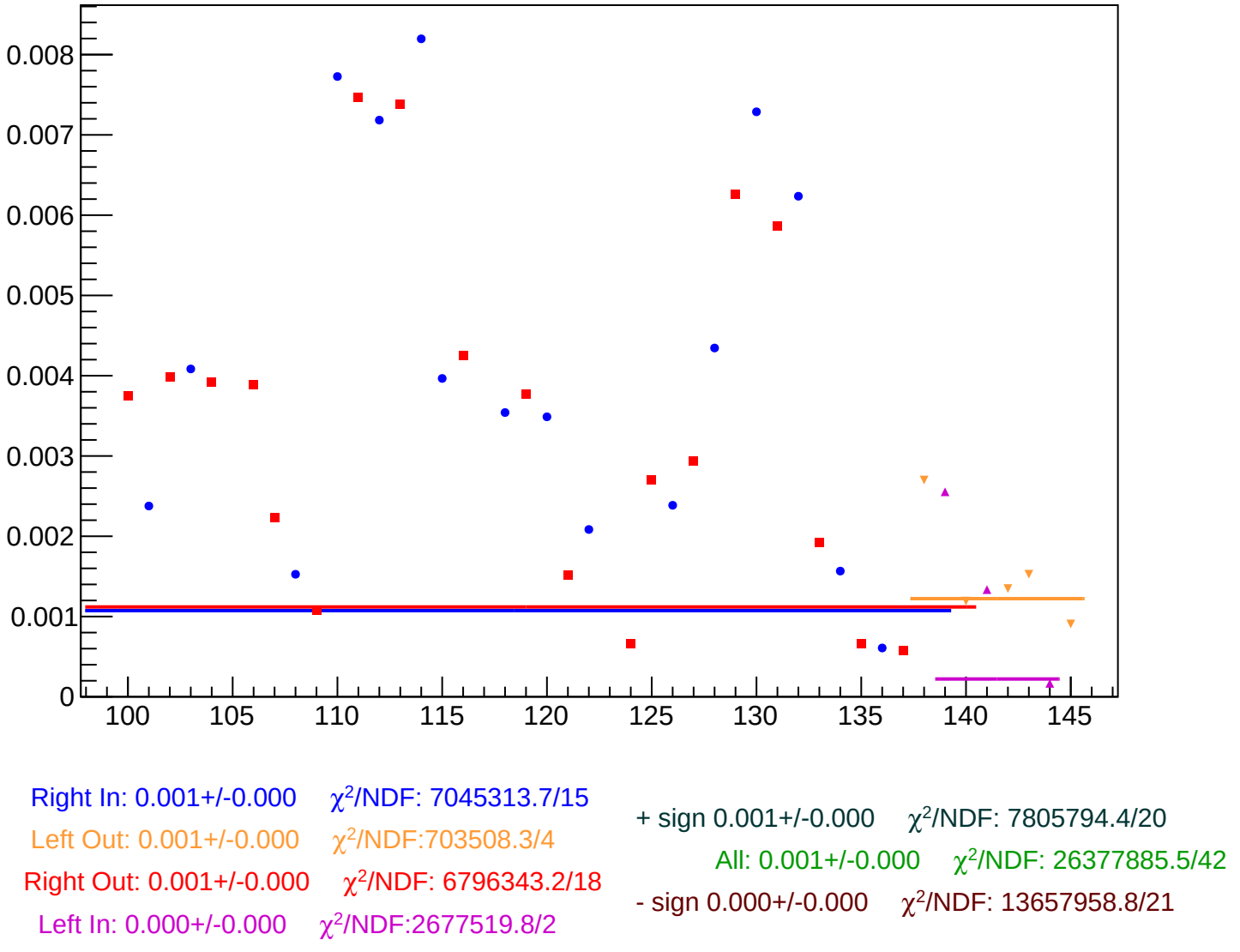
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

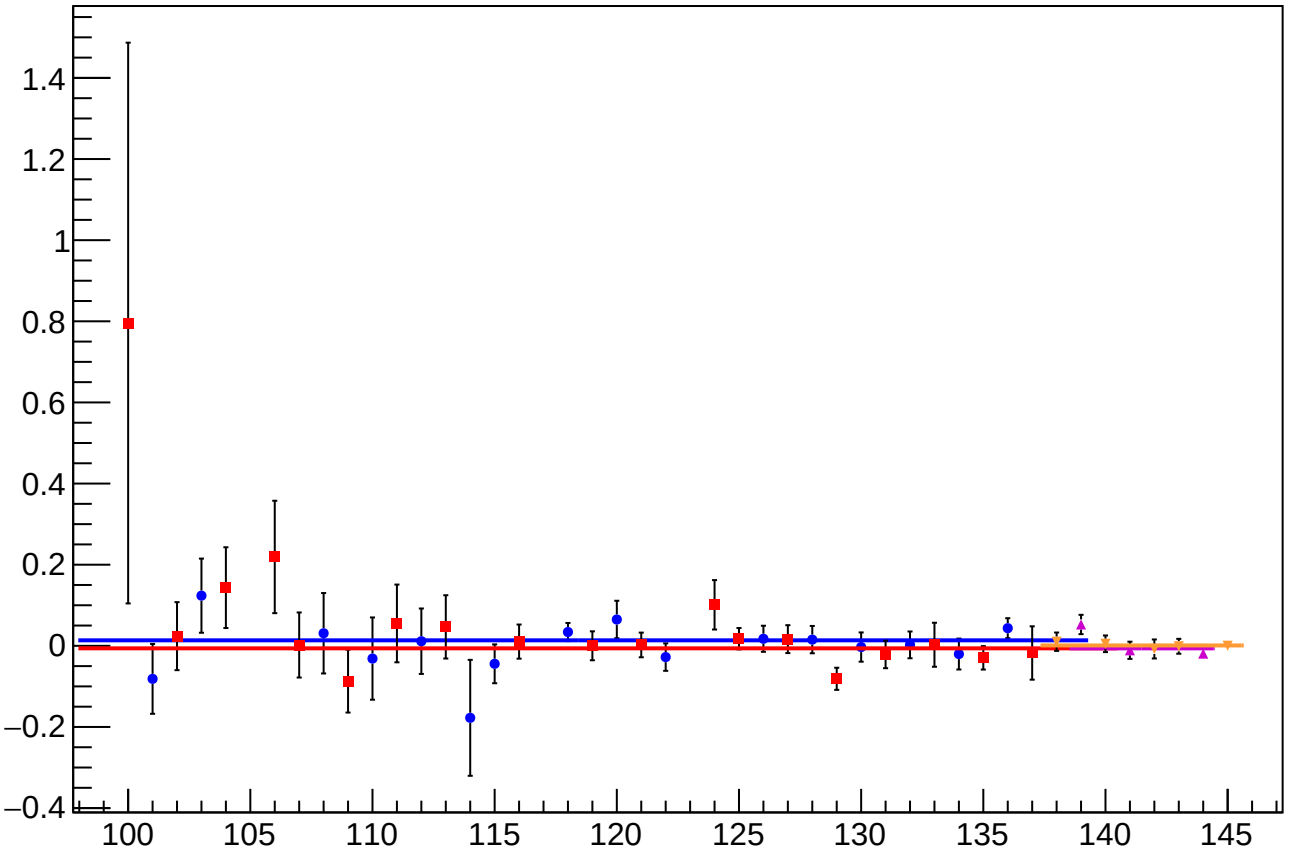
Left In: -0.000+/-0.000 χ^2/NDF:1.5/2

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/20

All: -0.000+/-0.000 χ^2/NDF: 39.9/42

- sign -0.000+/-0.000 χ^2/NDF: 19.9/21


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:703508.3/4
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:2677519.8/2
+ sign 0.001+/-0.000 χ²/NDF: 7805794.4/20
All: 0.001+/-0.000 χ²/NDF: 26377885.5/42
- sign 0.000+/-0.000 χ²/NDF: 13657958.8/21



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.008 χ^2/NDF:0.4/4

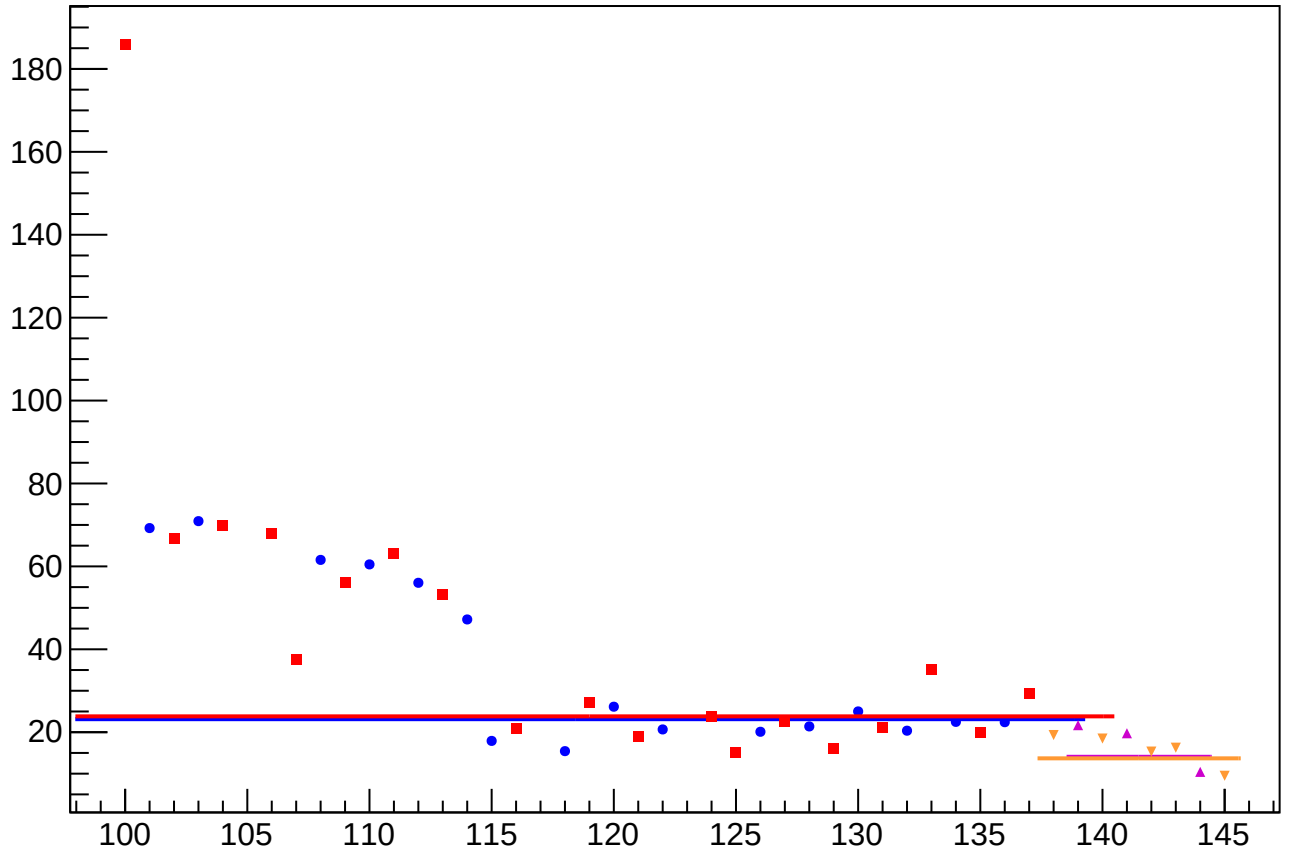
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.006+/-0.009 χ^2/NDF:7.4/2

+ sign 0.006+/-0.006 χ^2/NDF: 13.7/20

All: 0.001+/-0.005 χ^2/NDF: 44.3/42

- sign -0.006+/-0.007 χ^2/NDF: 28.9/21



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

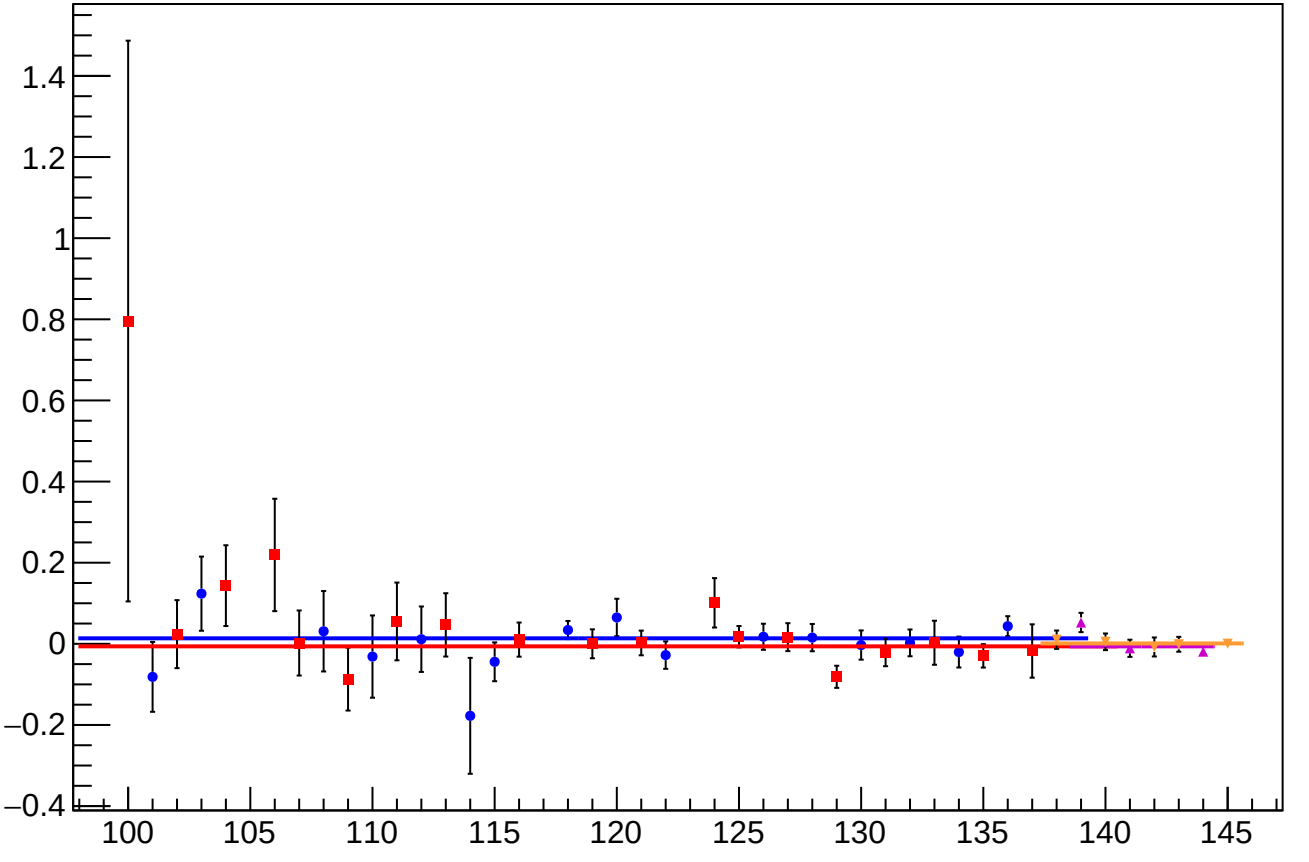
Left In: 14.069+/-0.007 χ^2/NDF:539483.3/2

+ sign 17.270+/-0.004 χ^2/NDF: 4108368.0/20

All: 17.867+/-0.003 χ^2/NDF: 8589150.7/42

- sign 18.641+/-0.005 χ^2/NDF: 4436148.2/21

asym_sam_37_26_dd_eigen_dit_vs_eigen_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

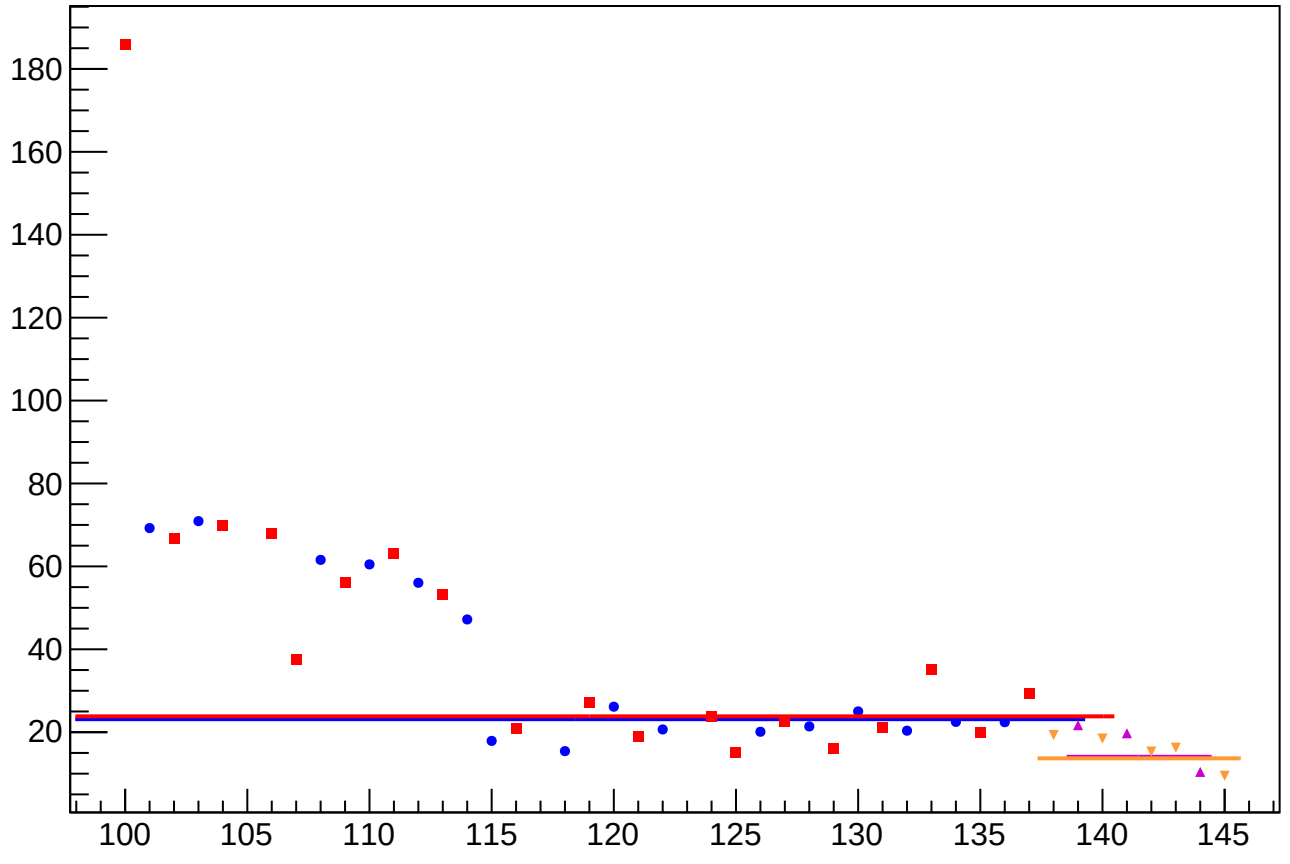
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.006+/-0.009 χ^2/NDF:7.4/2

+ sign 0.006+/-0.006 χ^2/NDF: 13.7/20

All: 0.001+/-0.005 χ^2/NDF: 44.3/42

- sign -0.006+/-0.007 χ^2/NDF: 28.9/21



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 13.696+/-0.005 χ^2/NDF:557018.0/4

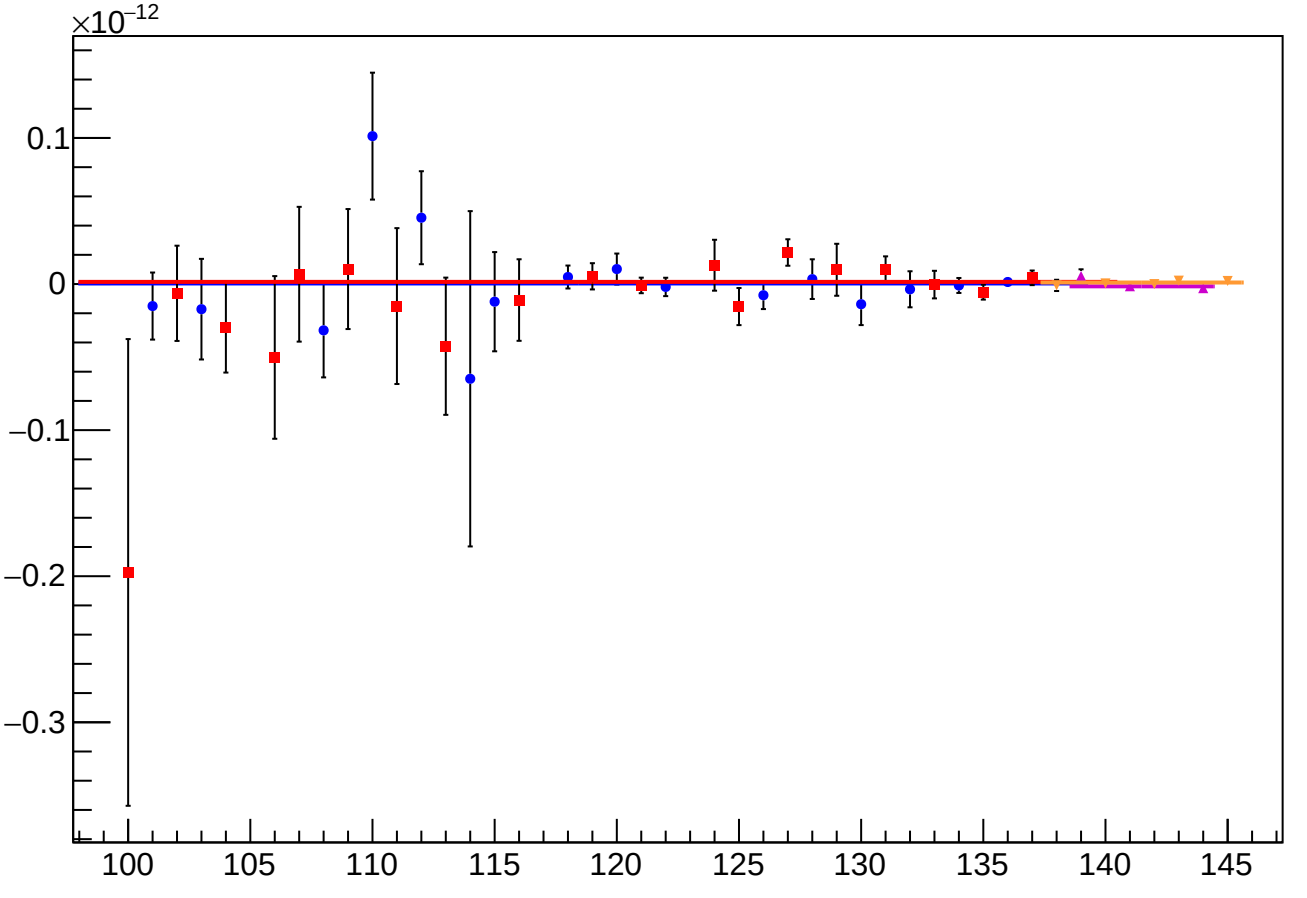
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.069+/-0.007 χ^2/NDF:539483.3/2

+ sign 17.270+/-0.004 χ^2/NDF: 4108368.0/20

All: 17.867+/-0.003 χ^2/NDF: 8589150.7/42

- sign 18.641+/-0.005 χ^2/NDF: 4436148.2/21



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/4

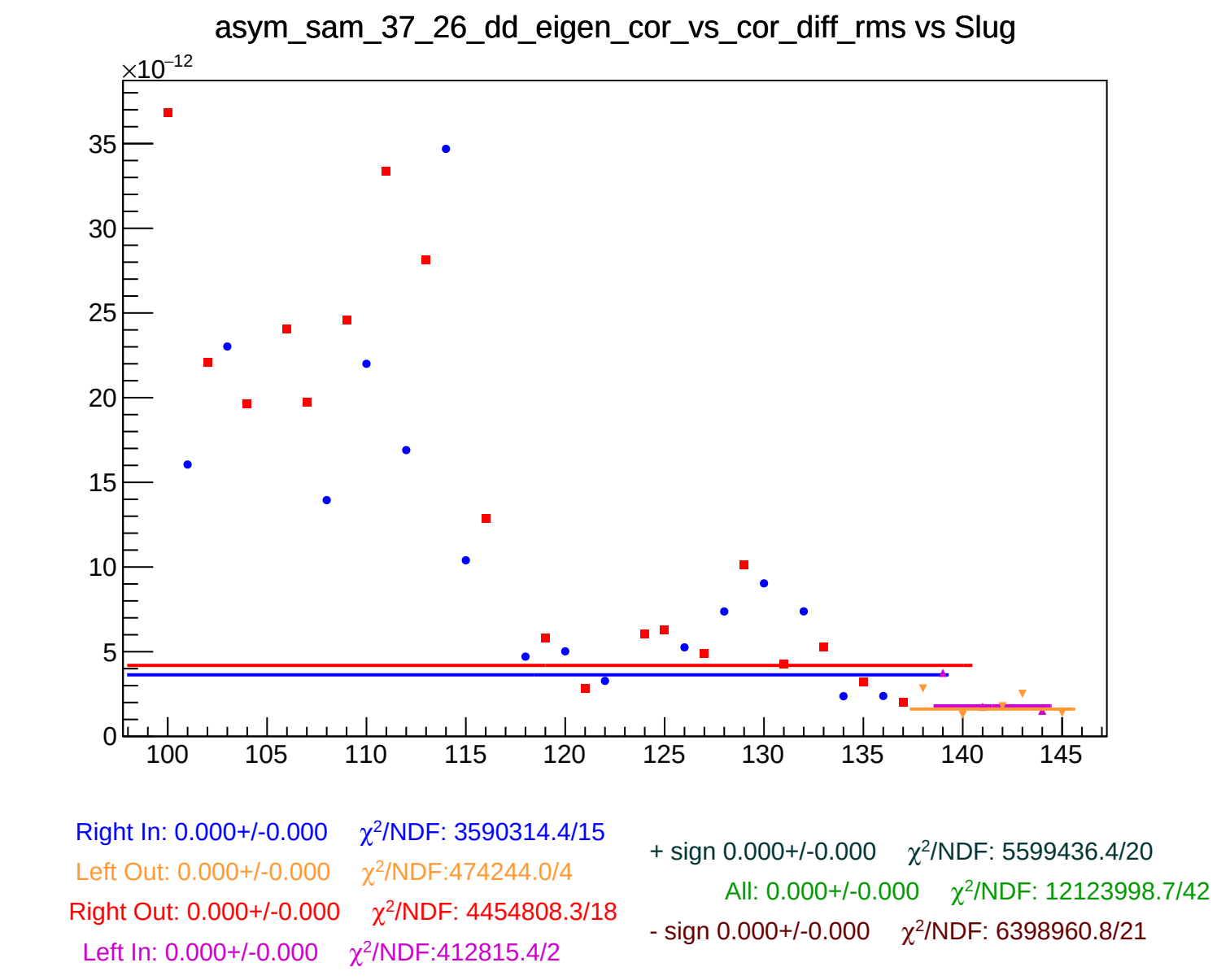
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/2

+ sign 0.000+/-0.000 χ^2/NDF: 14.0/20

All: 0.000+/-0.000 χ^2/NDF: 35.0/42

- sign -0.000+/-0.000 χ^2/NDF: 19.7/21


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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15
10
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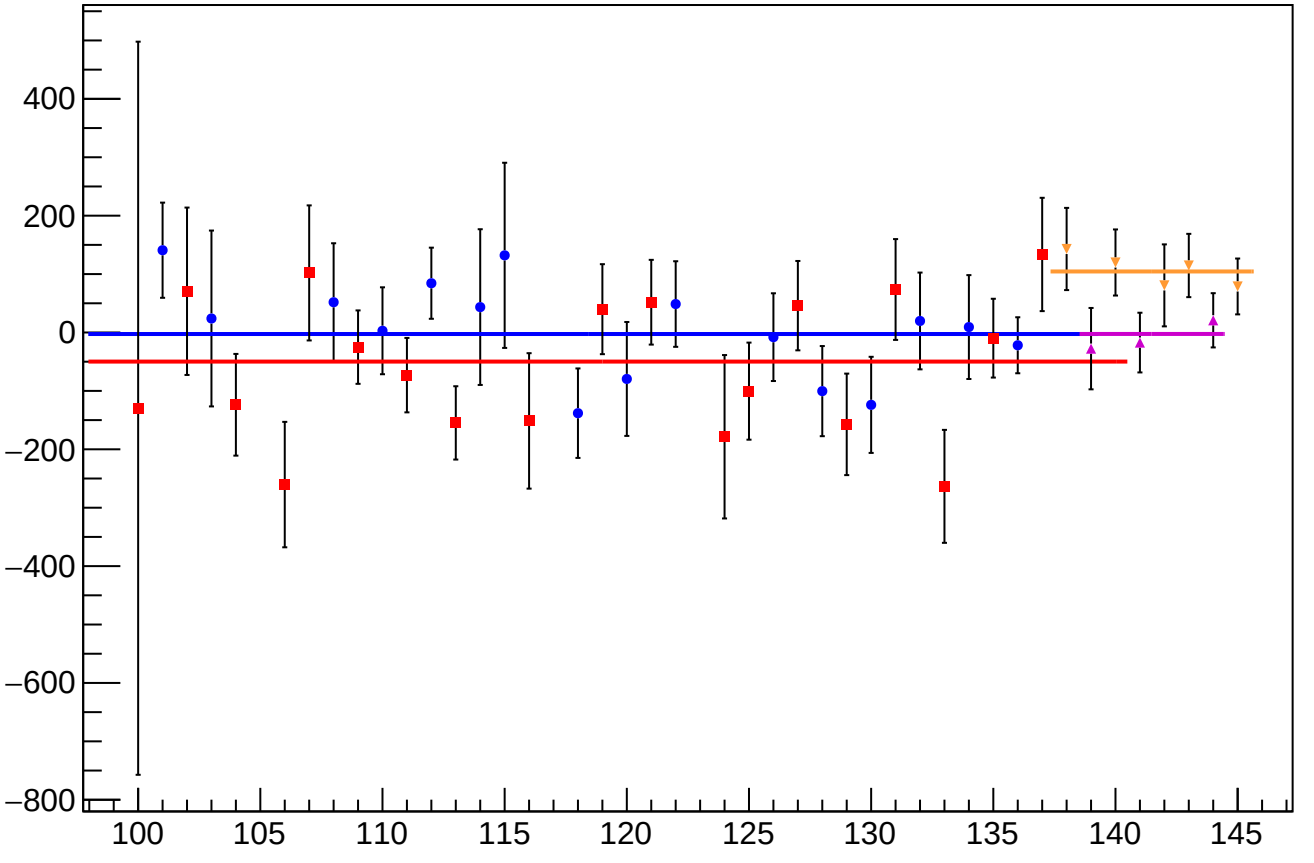
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:474244.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:412815.4/2
+ sign 0.000+/-0.000 χ²/NDF: 5599436.4/20
All: 0.000+/-0.000 χ²/NDF: 12123998.7/42
- sign 0.000+/-0.000 χ²/NDF: 6398960.8/21

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

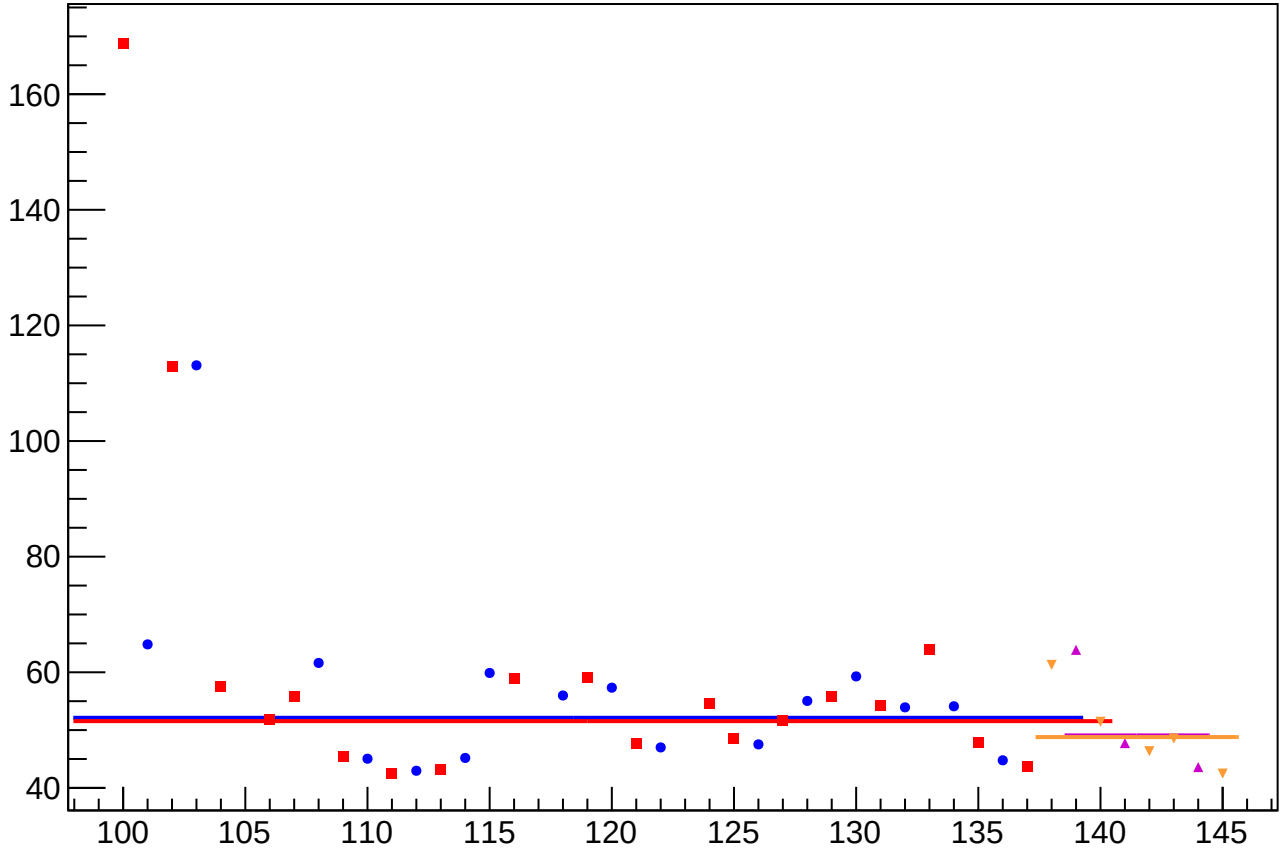
Left In: -2.506+/-30.823 χ^2/NDF:0.5/2

+ sign 37.452+/-15.818 χ^2/NDF: 26.1/20

All: 2.311+/-11.436 χ^2/NDF: 68.0/42

- sign -36.169+/-16.552 χ^2/NDF: 31.5/21

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

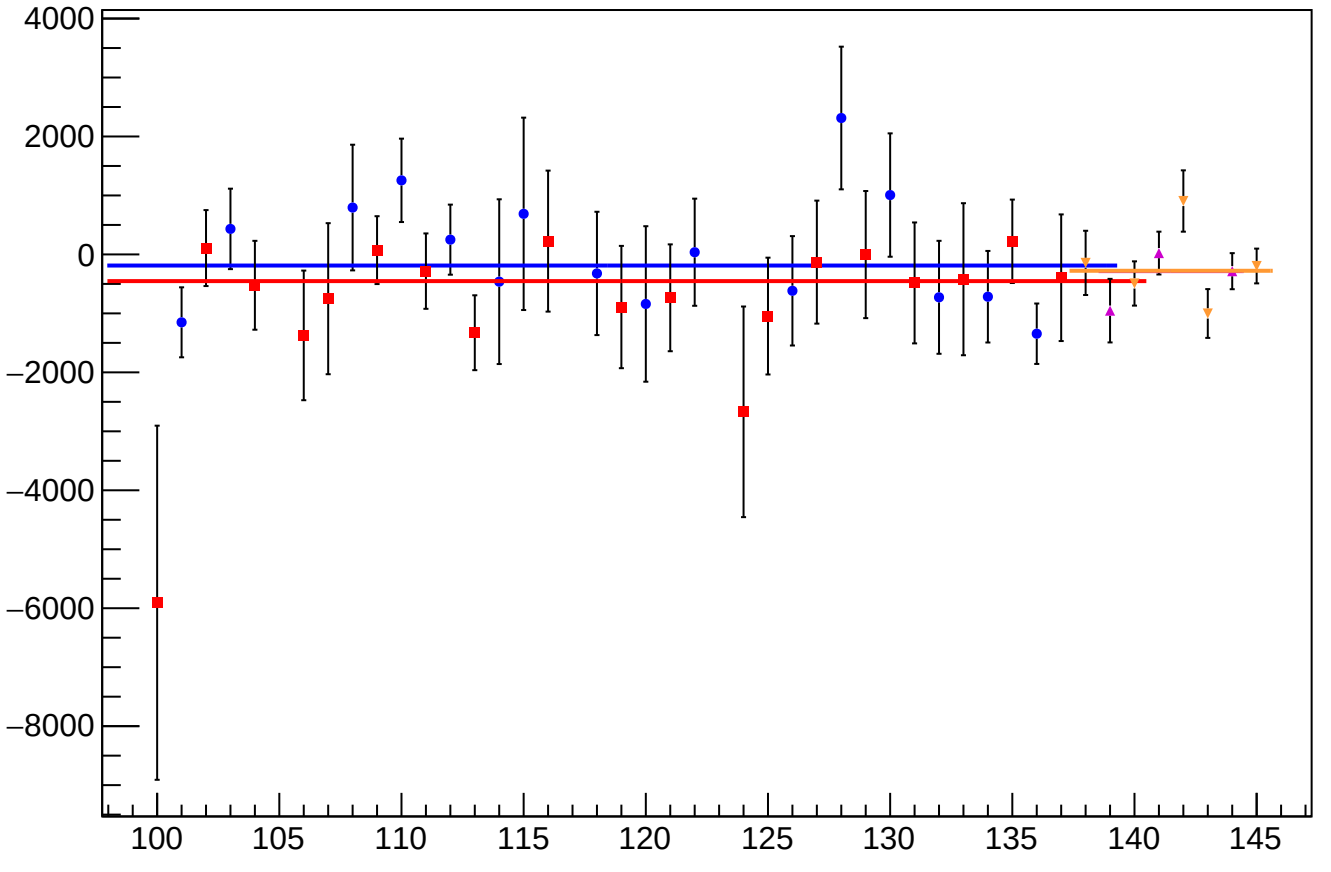
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.083+/-0.022 χ^2/NDF:119454.3/2

+ sign 50.880+/-0.011 χ^2/NDF: 688442.2/20

All: 50.860+/-0.008 χ^2/NDF: 1456583.3/42

- sign 50.839+/-0.012 χ^2/NDF: 768134.4/21



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

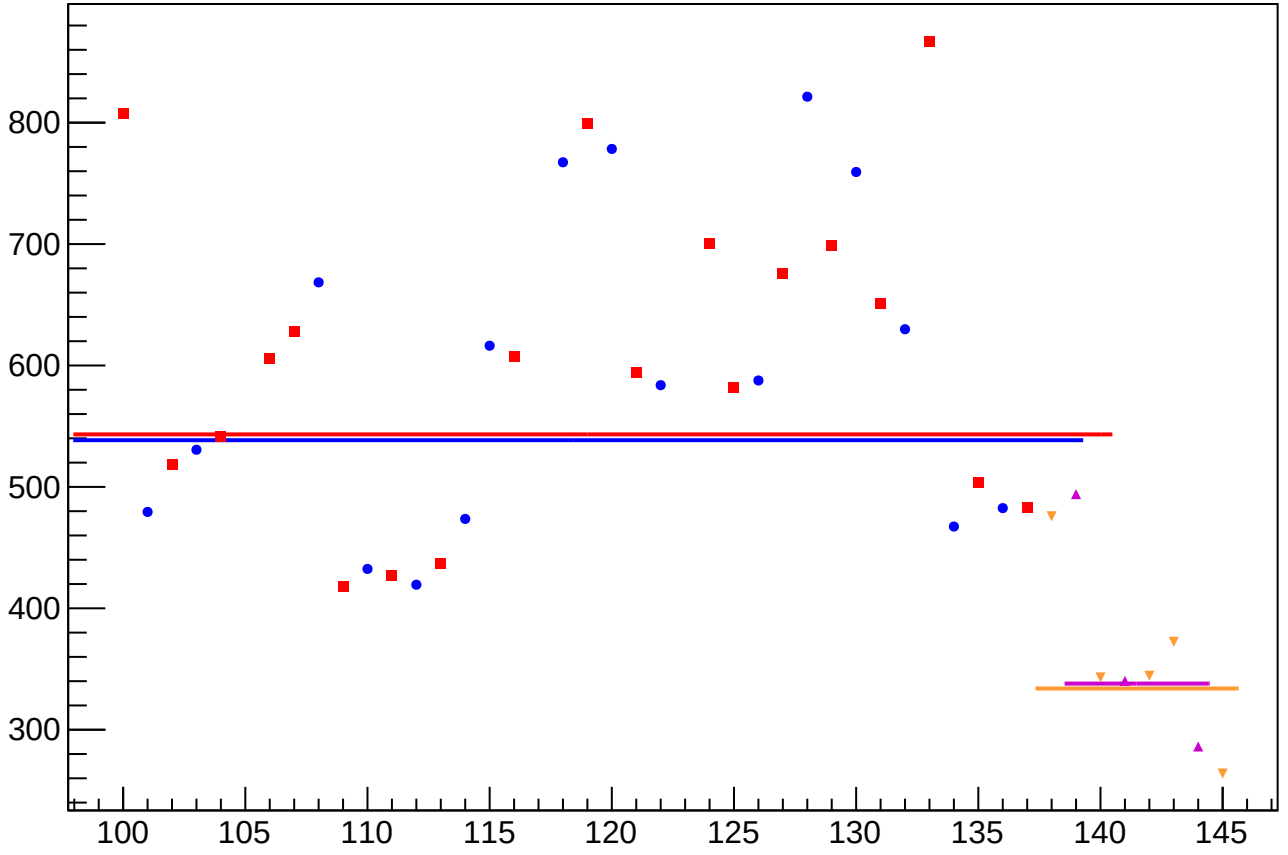
Left In: -283.088+/-214.590 χ^2/NDF:2.3/2

+ sign -239.386+/-134.694 χ^2/NDF: 30.2/20

All: -299.605+/-99.561 χ^2/NDF: 44.5/42

- sign -372.132+/-147.821 χ^2/NDF: 13.9/21

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

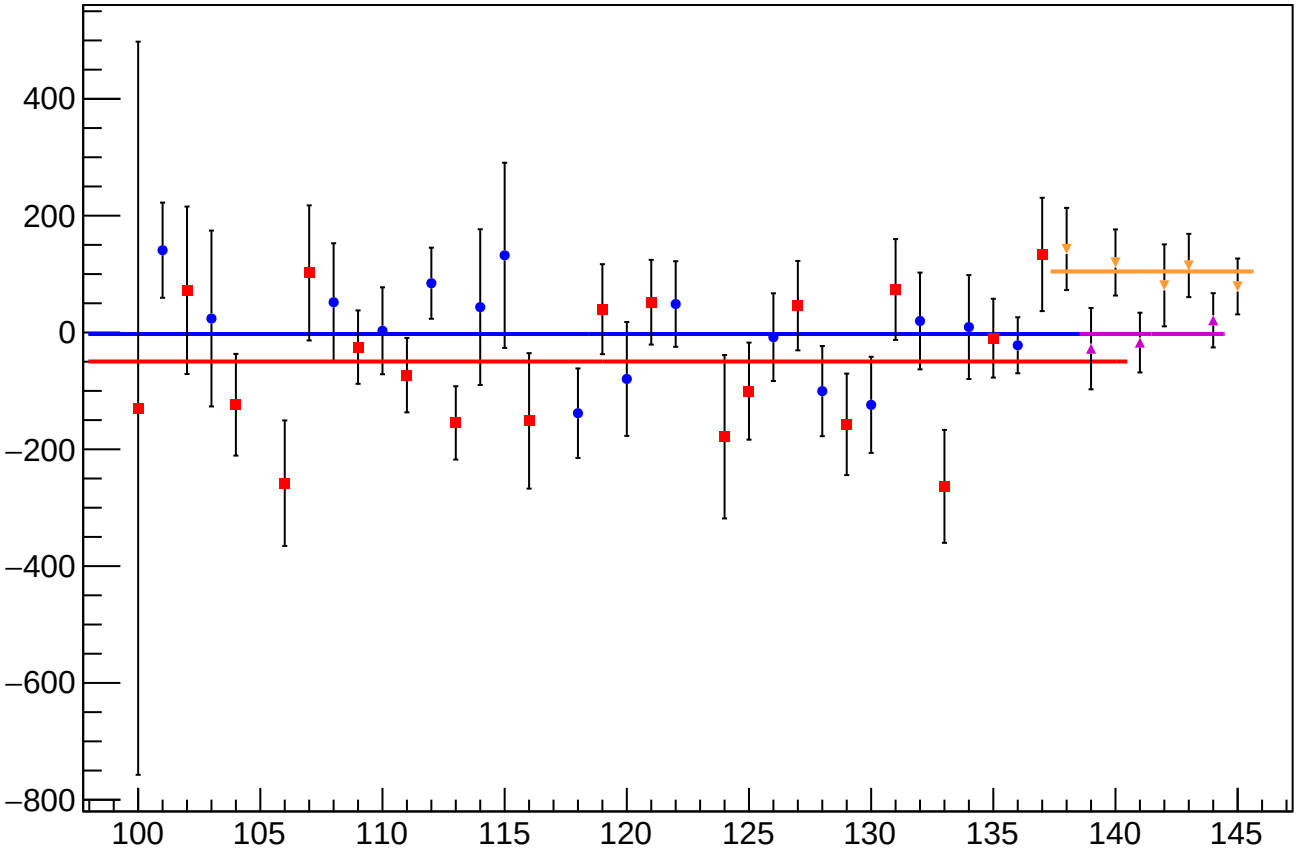
Left In: 338.017+/-0.152 χ^2/NDF:225063.6/2

+ sign 421.555+/-0.095 χ^2/NDF: 2010631.6/20

All: 432.580+/-0.070 χ^2/NDF: 3863583.1/42

- sign 445.859+/-0.105 χ^2/NDF: 1823411.6/21

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

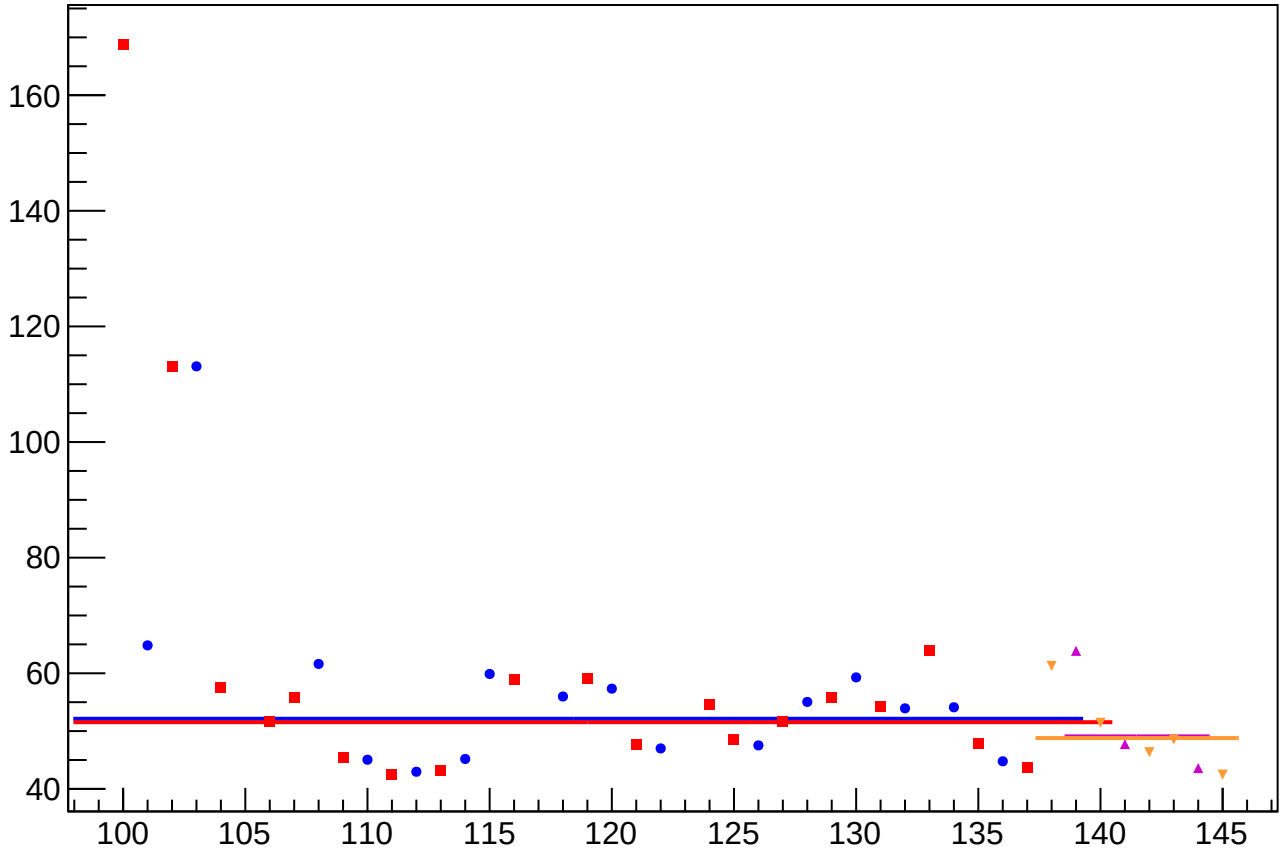
Left In: -2.507+/-30.823 χ^2/NDF:0.5/2

+ sign 37.452+/-15.818 χ^2/NDF: 26.1/20

All: 2.351+/-11.436 χ^2/NDF: 67.9/42

- sign -36.086+/-16.552 χ^2/NDF: 31.4/21

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

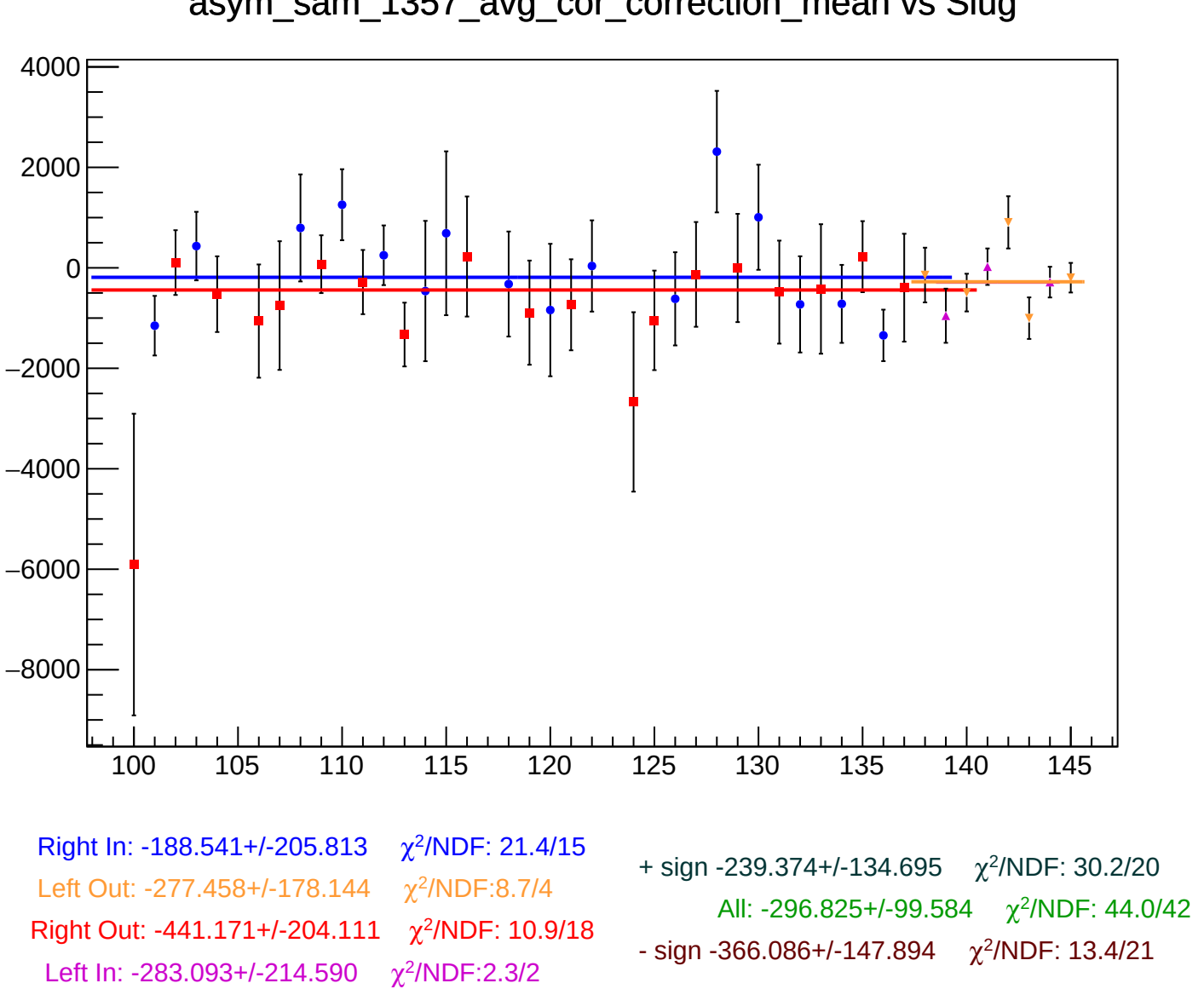
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.083+/-0.022 χ^2/NDF:119454.3/2

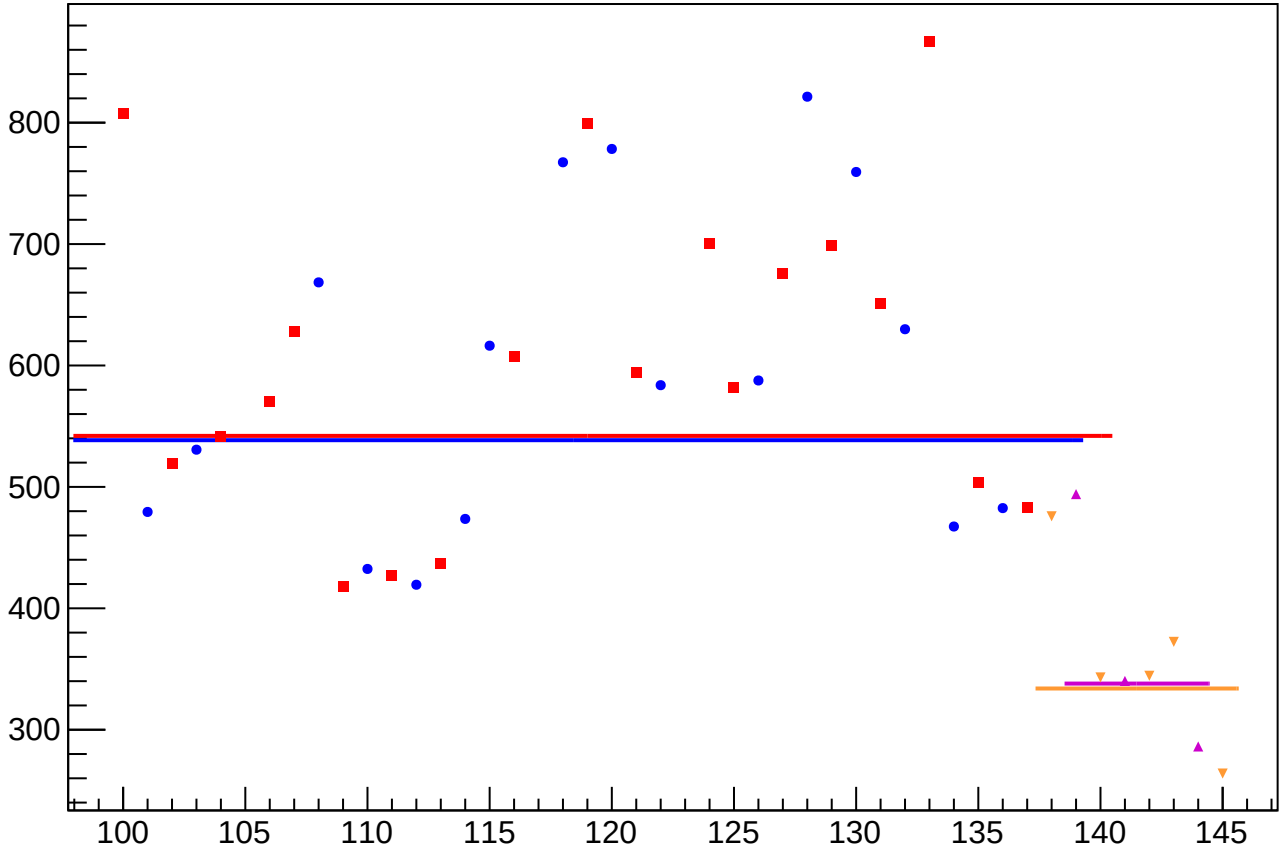
+ sign 50.880+/-0.011 χ^2/NDF: 688444.5/20

All: 50.857+/-0.008 χ^2/NDF: 1456731.7/42

- sign 50.831+/-0.012 χ^2/NDF: 768278.1/21


asym_sam_1357_avg_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
145
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -277.458+/-178.144 χ²/NDF:8.7/4
Right Out: -441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -283.093+/-214.590 χ²/NDF:2.3/2
+ sign -239.374+/-134.695 χ²/NDF: 30.2/20
All: -296.825+/-99.584 χ²/NDF: 44.0/42
- sign -366.086+/-147.894 χ²/NDF: 13.4/21

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

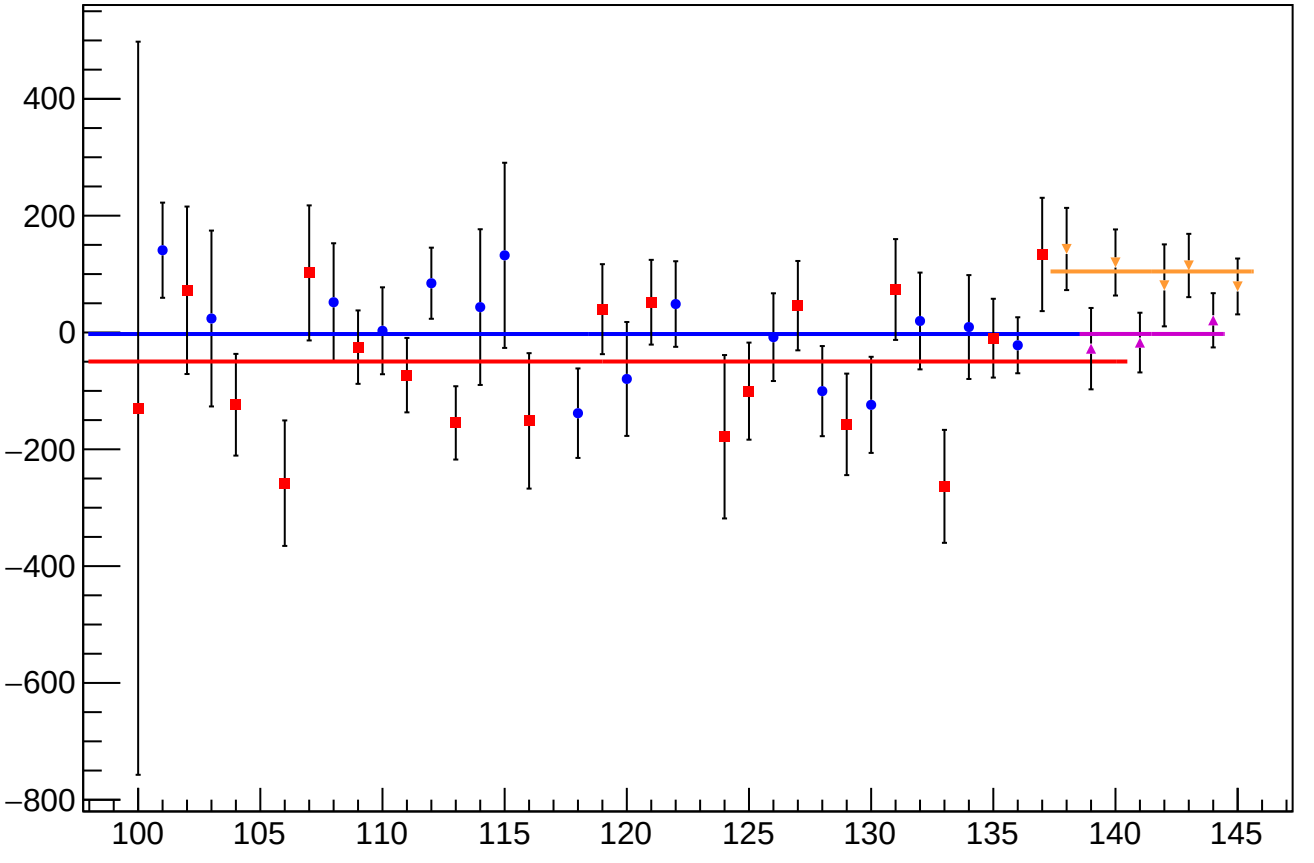
Left In: 338.018+/-0.152 χ^2/NDF:225063.2/2

+ sign 421.556+/-0.095 χ^2/NDF: 2010678.4/20

All: 432.242+/-0.070 χ^2/NDF: 3844080.2/42

- sign 445.124+/-0.105 χ^2/NDF: 1805639.9/21

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

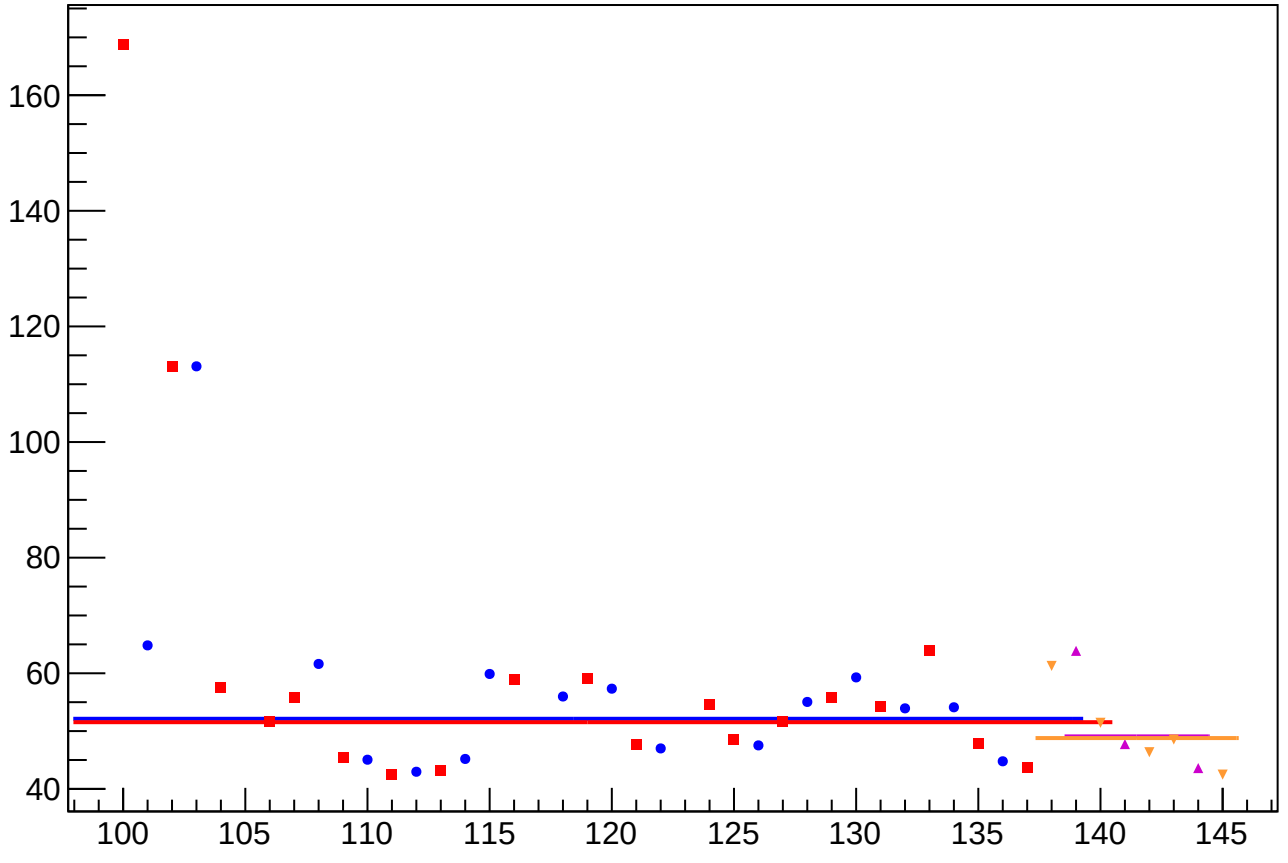
Left In: -2.507+/-30.823 χ^2/NDF:0.5/2

+ sign 37.452+/-15.818 χ^2/NDF: 26.1/20

All: 2.351+/-11.436 χ^2/NDF: 67.9/42

- sign -36.086+/-16.552 χ^2/NDF: 31.4/21

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

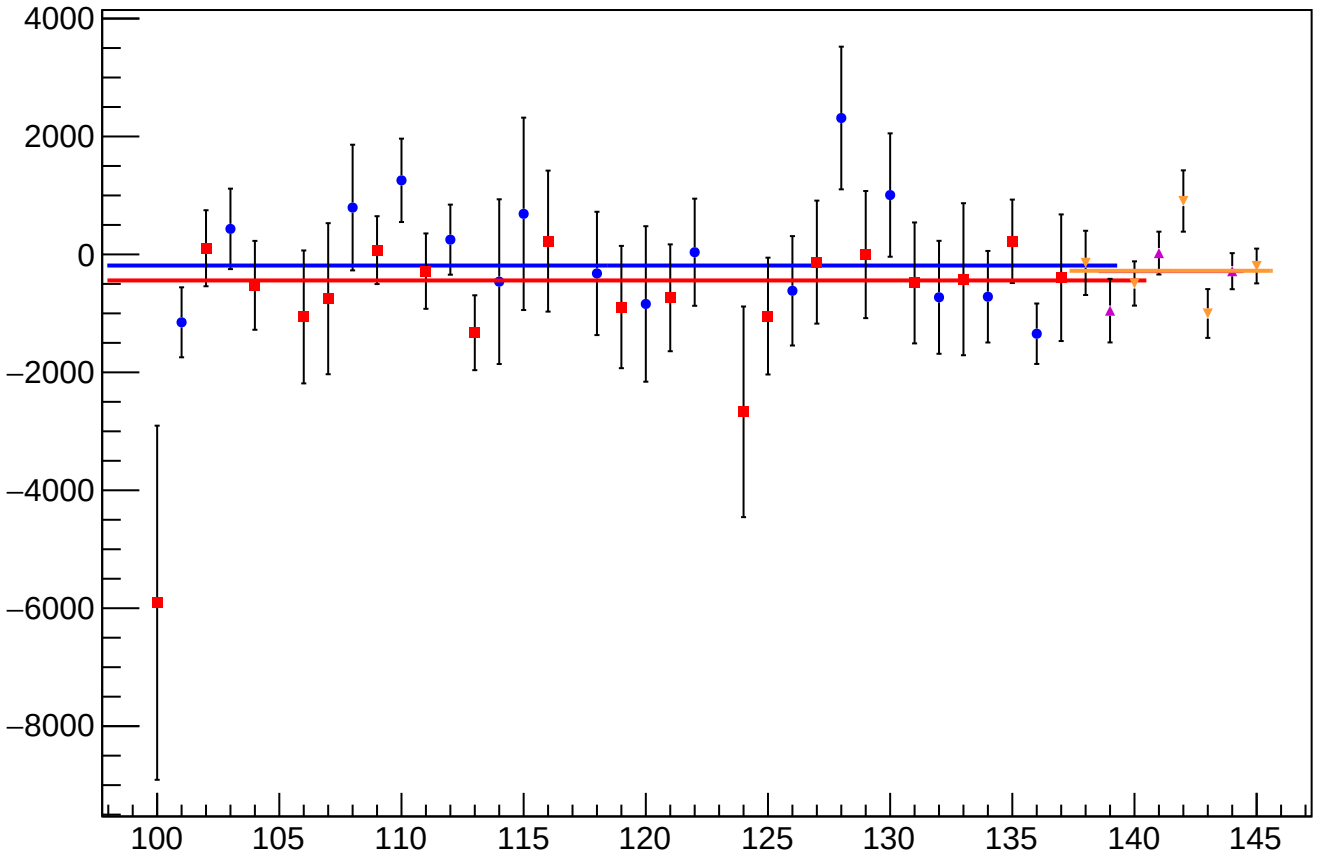
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.083+/-0.022 χ^2/NDF:119454.3/2

+ sign 50.880+/-0.011 χ^2/NDF: 688444.5/20

All: 50.857+/-0.008 χ^2/NDF: 1456731.7/42

- sign 50.831+/-0.012 χ^2/NDF: 768278.1/21



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -277.458+/-178.144 χ^2/NDF:8.7/4

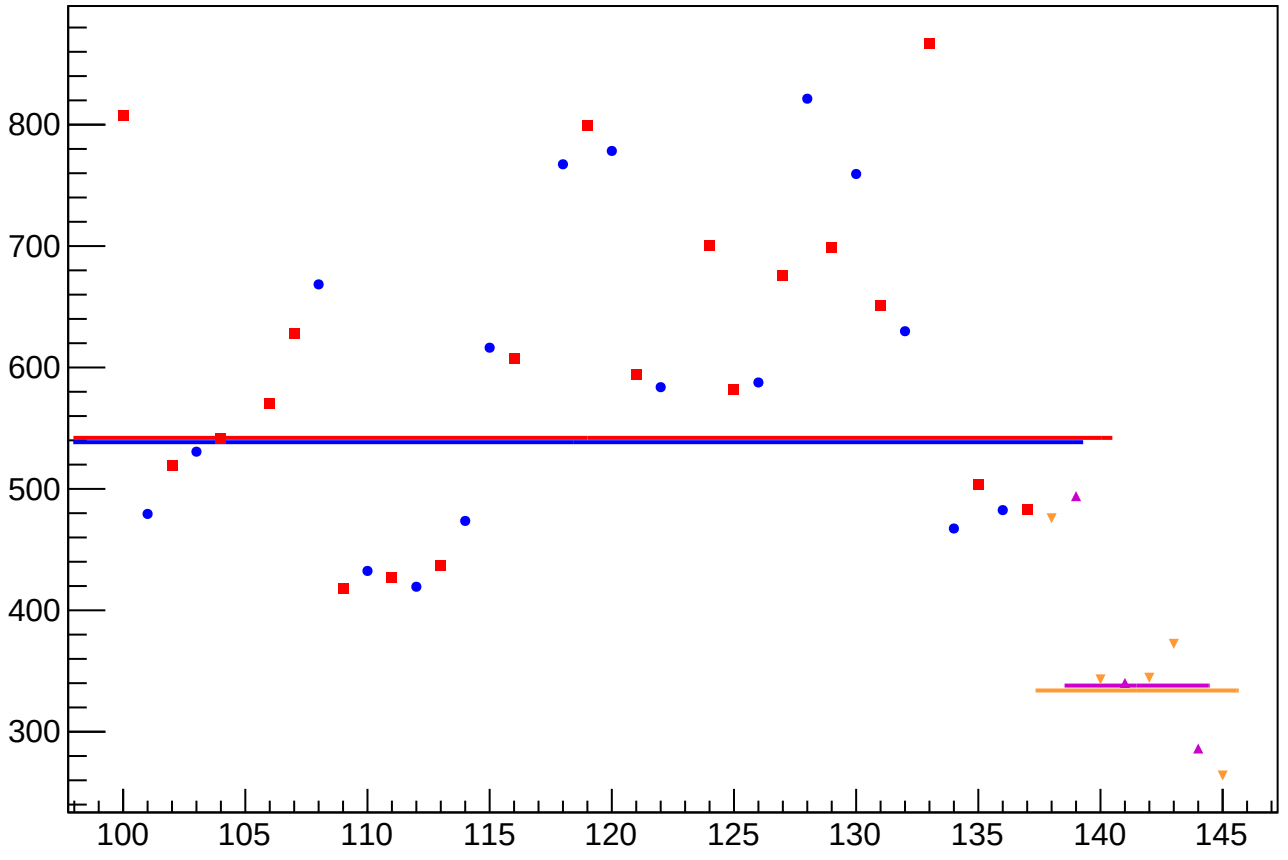
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -283.093+/-214.590 χ^2/NDF:2.3/2

+ sign -239.374+/-134.695 χ^2/NDF: 30.2/20

All: -296.825+/-99.584 χ^2/NDF: 44.0/42

- sign -366.086+/-147.894 χ^2/NDF: 13.4/21



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

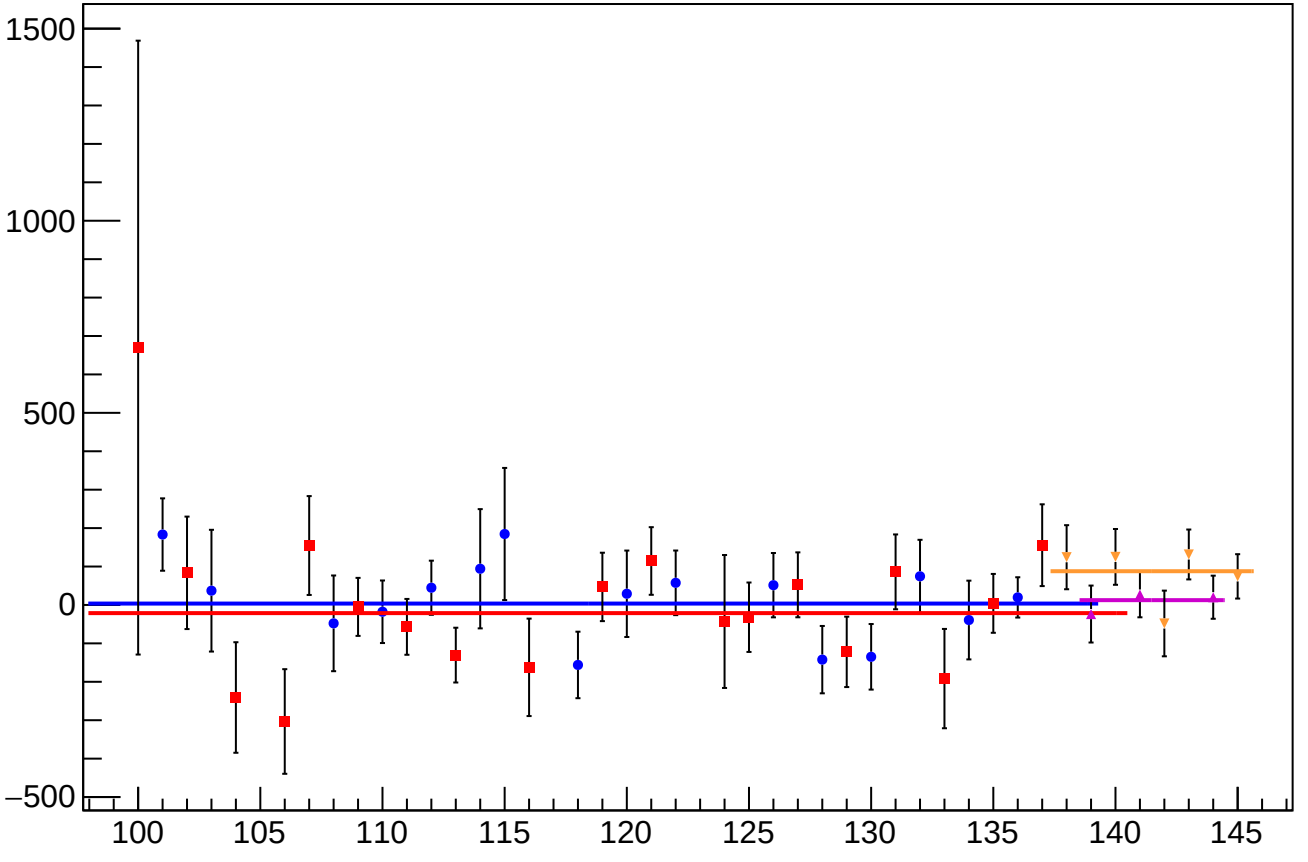
Left In: 338.018+/-0.152 χ^2/NDF:225063.2/2

+ sign 421.556+/-0.095 χ^2/NDF: 2010678.4/20

All: 432.242+/-0.070 χ^2/NDF: 3844080.2/42

- sign 445.124+/-0.105 χ^2/NDF: 1805639.9/21

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

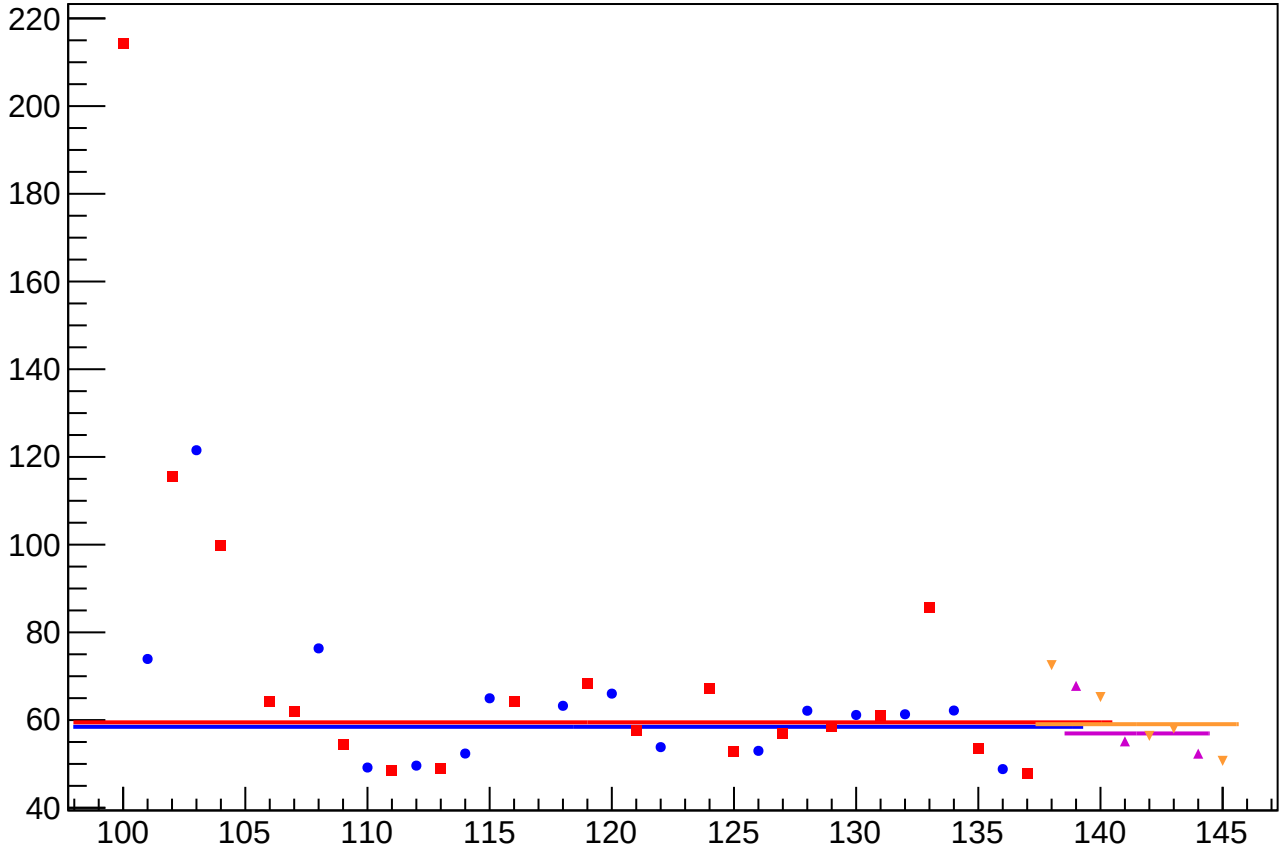
Left In: 12.486+/-35.687 χ^2/NDF:0.3/2

+ sign 32.004+/-18.299 χ^2/NDF: 24.4/20

All: 11.294+/-13.245 χ^2/NDF: 52.4/42

- sign -11.493+/-19.195 χ^2/NDF: 25.4/21

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

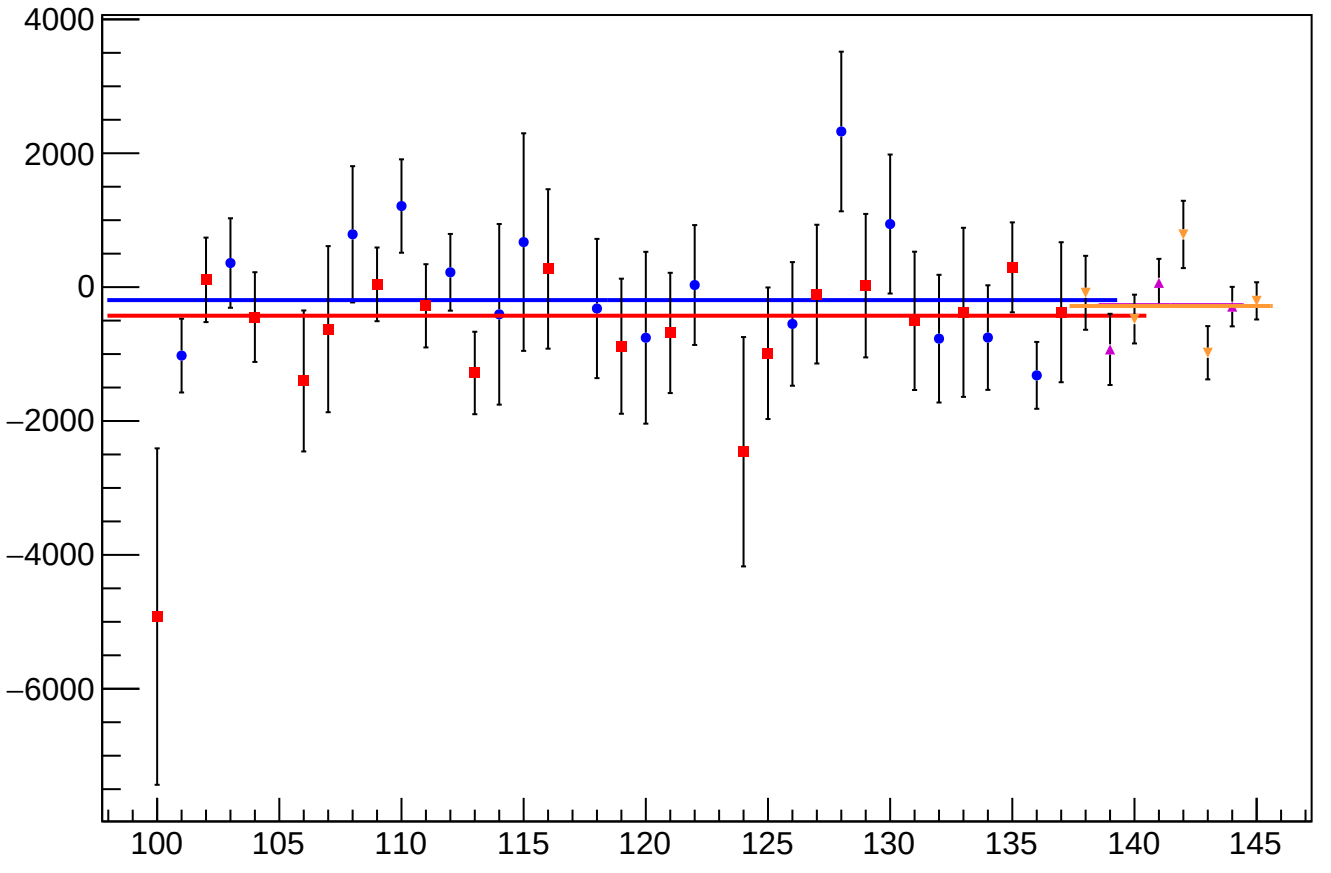
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.952+/-0.025 χ^2/NDF:58206.3/2

+ sign 58.667+/-0.013 χ^2/NDF: 694457.2/20

All: 58.707+/-0.009 χ^2/NDF: 1544716.5/42

- sign 58.752+/-0.014 χ^2/NDF: 850238.9/21



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

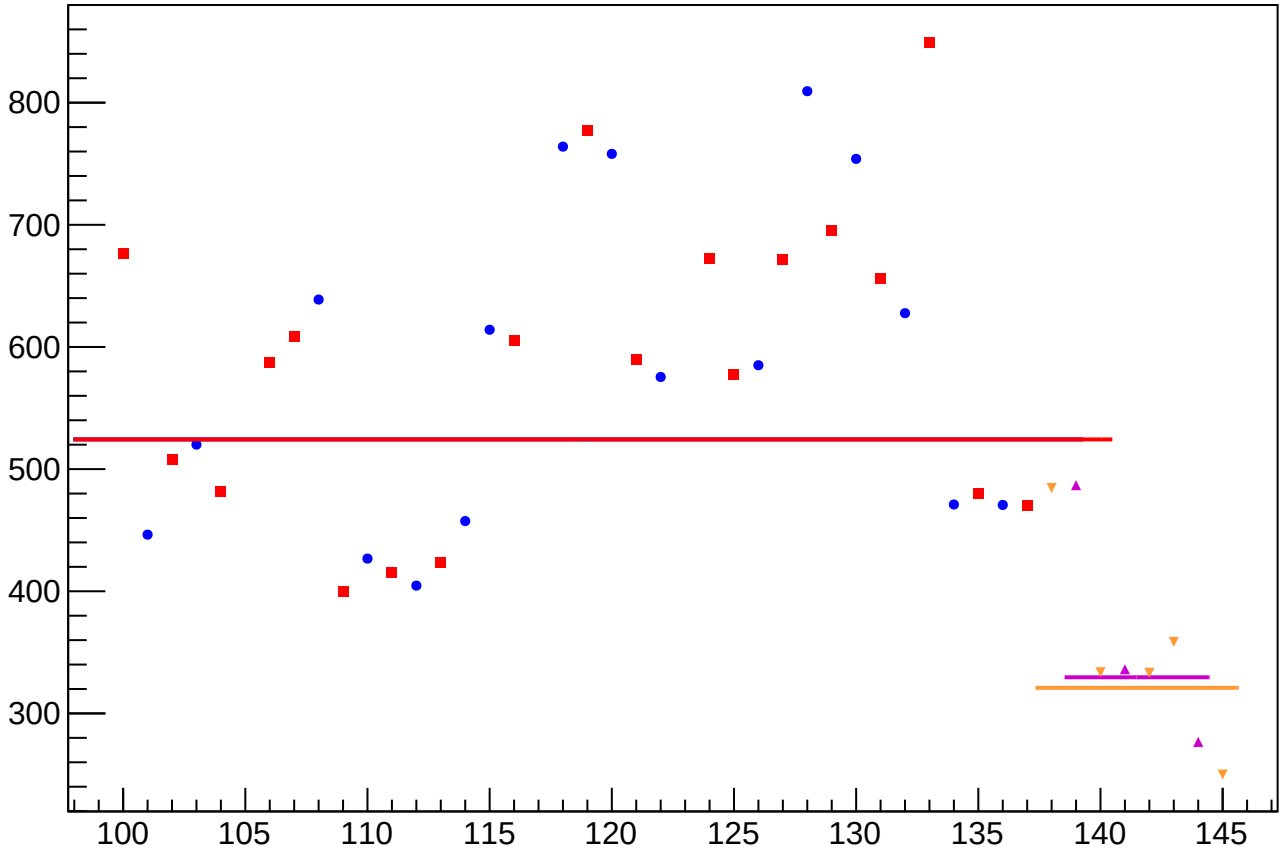
Left In: -268.887+/-209.359 χ^2/NDF:2.4/2

+ sign -244.957+/-130.332 χ^2/NDF: 29.0/20

All: -293.685+/-96.471 χ^2/NDF: 43.3/42

- sign -352.733+/-143.472 χ^2/NDF: 14.0/21

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

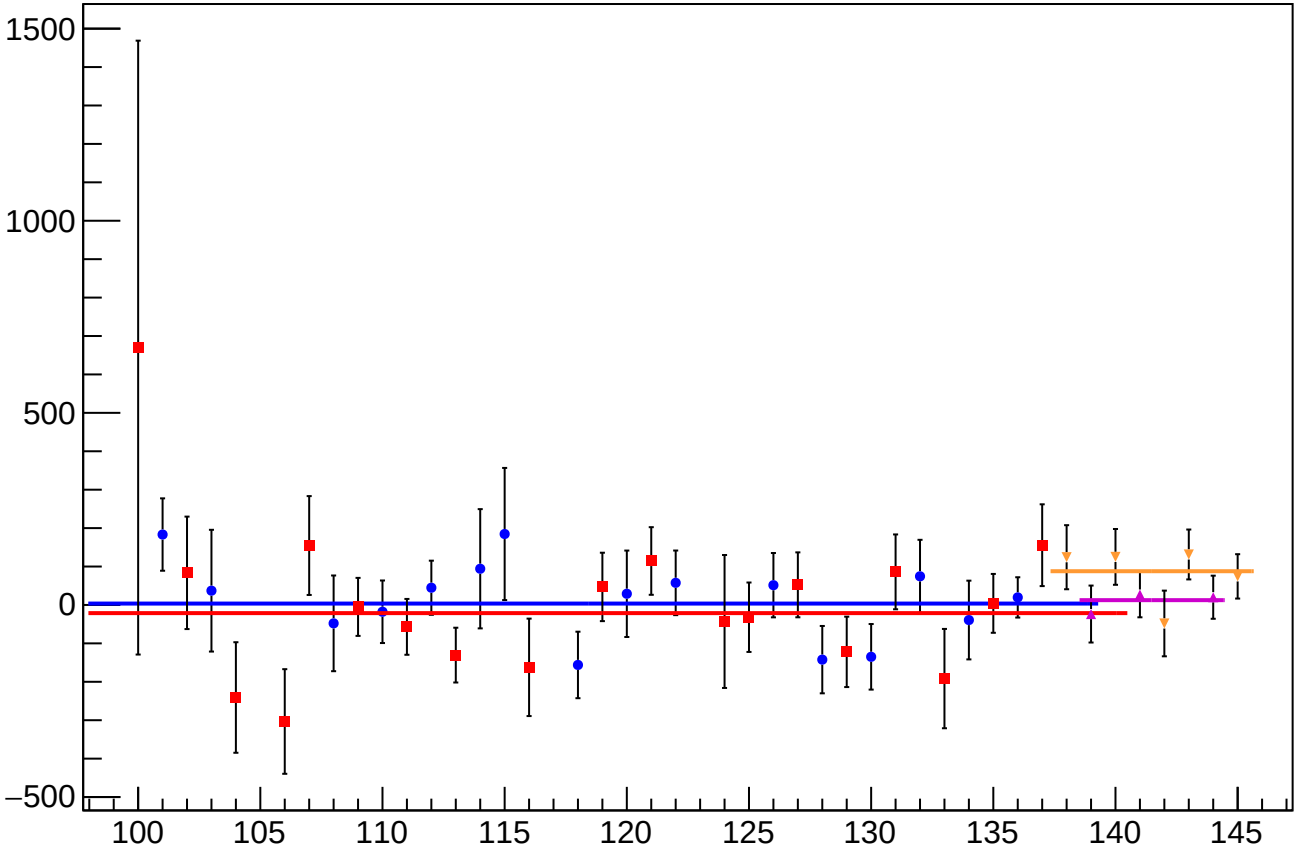
Left In: 329.587+/-0.148 χ^2/NDF:239916.4/2

+ sign 406.800+/-0.092 χ^2/NDF: 2173823.7/20

All: 418.583+/-0.068 χ^2/NDF: 4053543.5/42

- sign 432.861+/-0.101 χ^2/NDF: 1843564.6/21

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

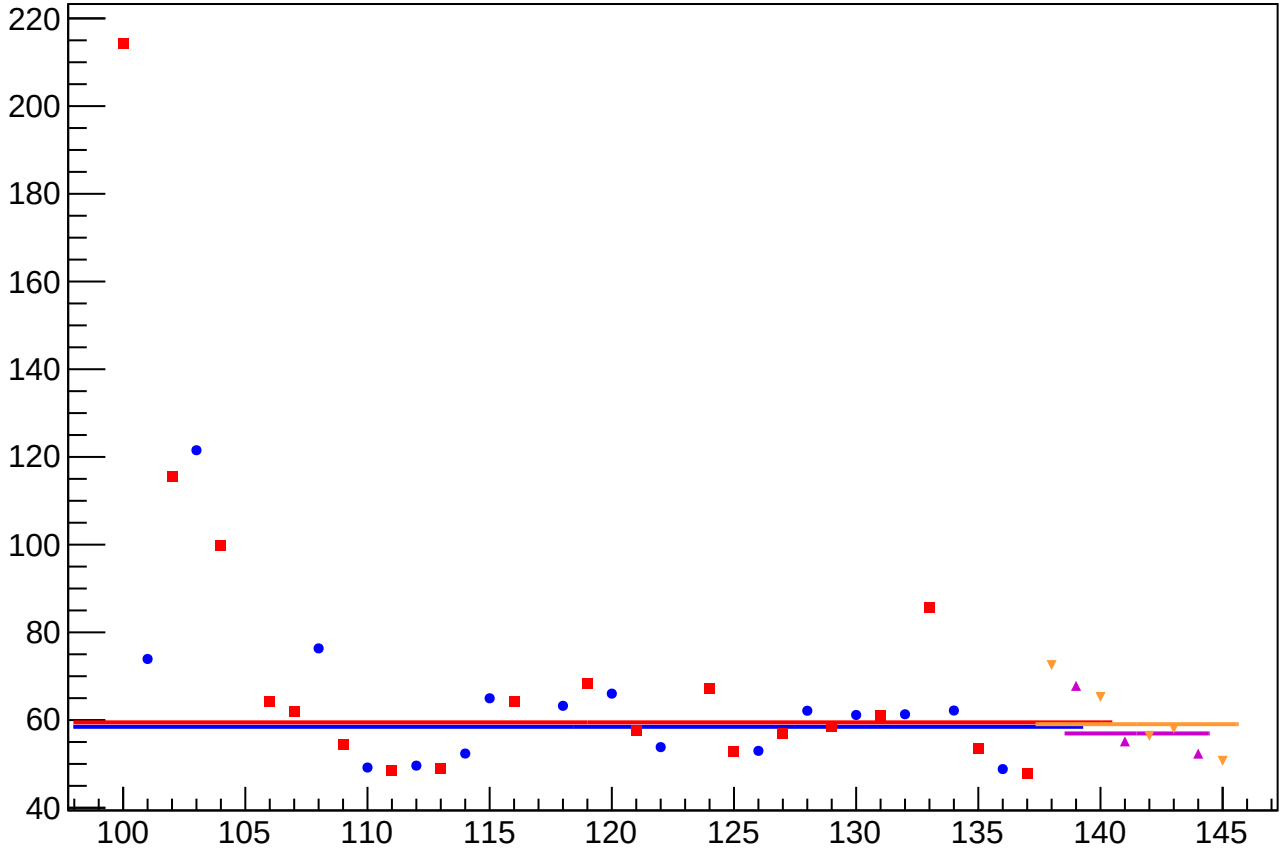
Left In: 12.486+/-35.687 χ^2/NDF:0.3/2

+ sign 32.004+/-18.300 χ^2/NDF: 24.4/20

All: 11.294+/-13.245 χ^2/NDF: 52.4/42

- sign -11.492+/-19.195 χ^2/NDF: 25.4/21

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

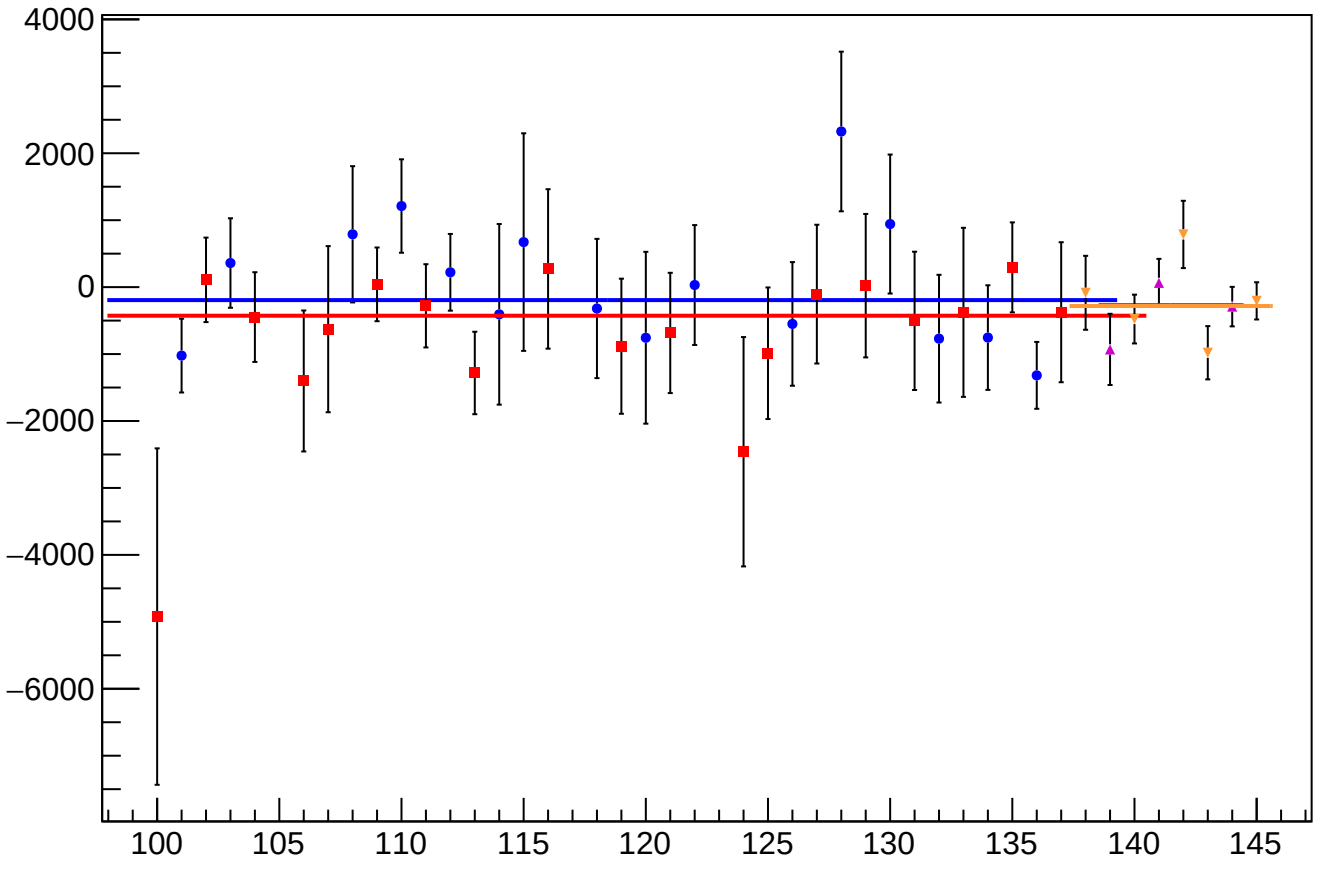
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.953+/-0.025 χ^2/NDF:58205.2/2

+ sign 58.667+/-0.013 χ^2/NDF: 694453.5/20

All: 58.708+/-0.009 χ^2/NDF: 1544711.3/42

- sign 58.752+/-0.014 χ^2/NDF: 850237.4/21



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -282.253+/-171.447 χ^2/NDF:8.1/4

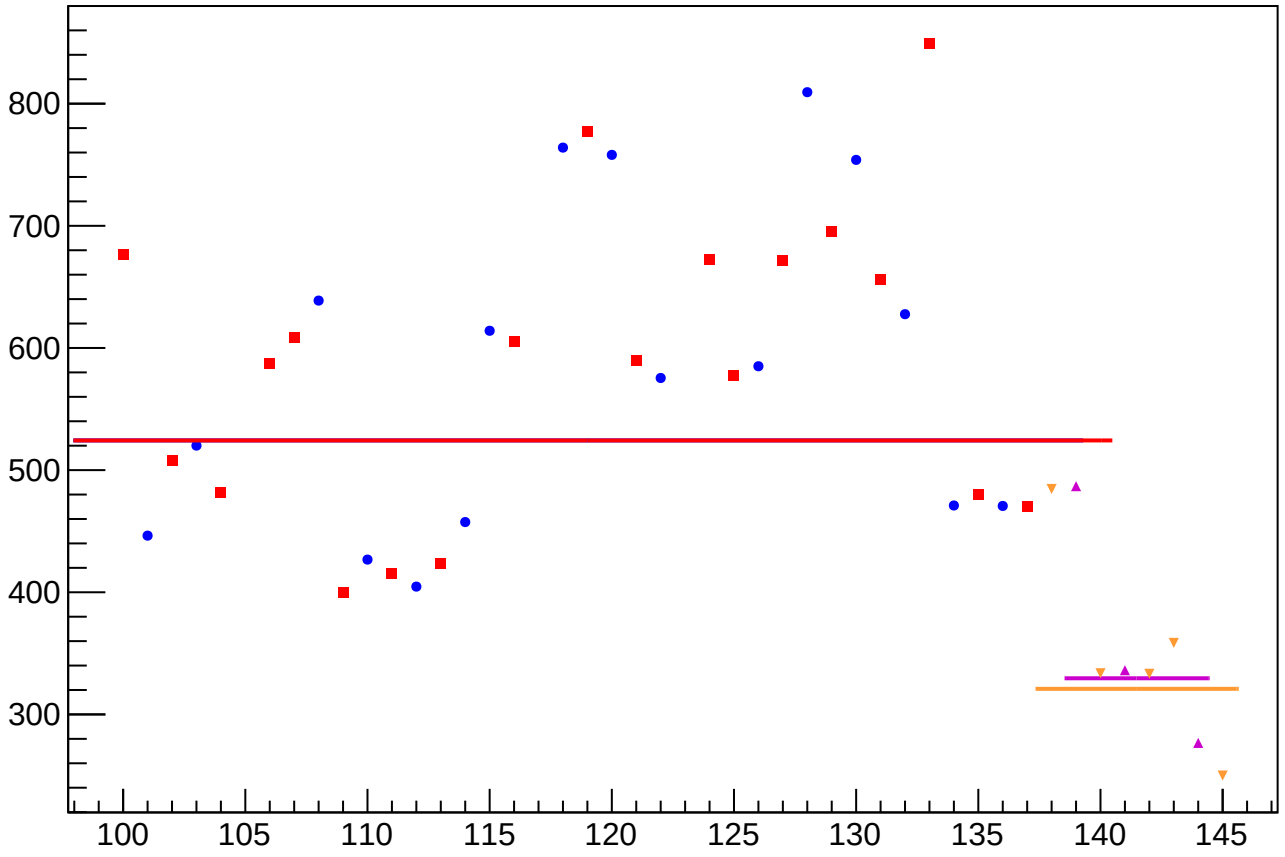
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -268.887+/-209.359 χ^2/NDF:2.4/2

+ sign -244.958+/-130.332 χ^2/NDF: 29.0/20

All: -293.685+/-96.470 χ^2/NDF: 43.3/42

- sign -352.733+/-143.472 χ^2/NDF: 14.0/21



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

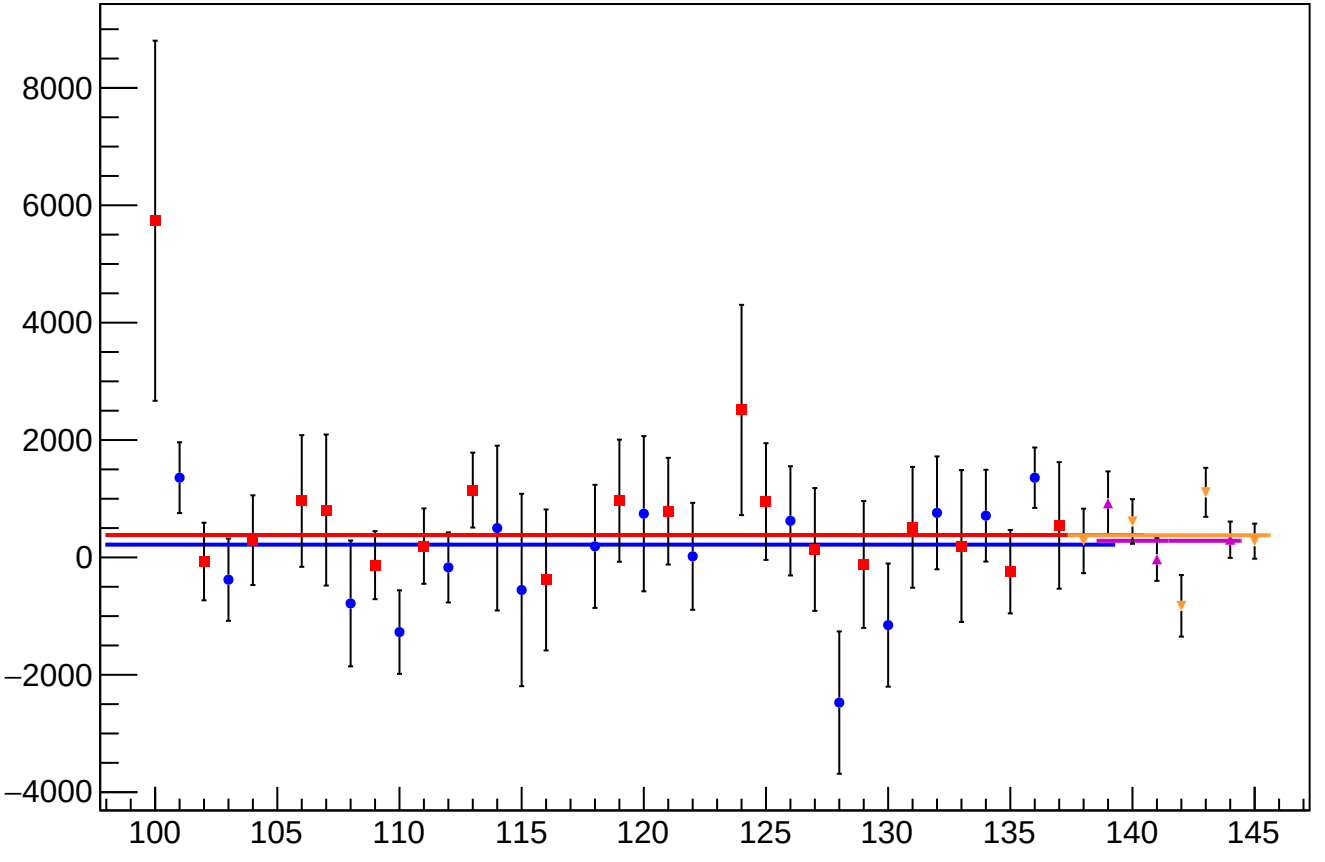
Left In: 329.587+/-0.148 χ^2/NDF:239917.3/2

+ sign 406.799+/-0.092 χ^2/NDF: 2173821.6/20

All: 418.582+/-0.068 χ^2/NDF: 4053536.8/42

- sign 432.861+/-0.101 χ^2/NDF: 1843560.1/21

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

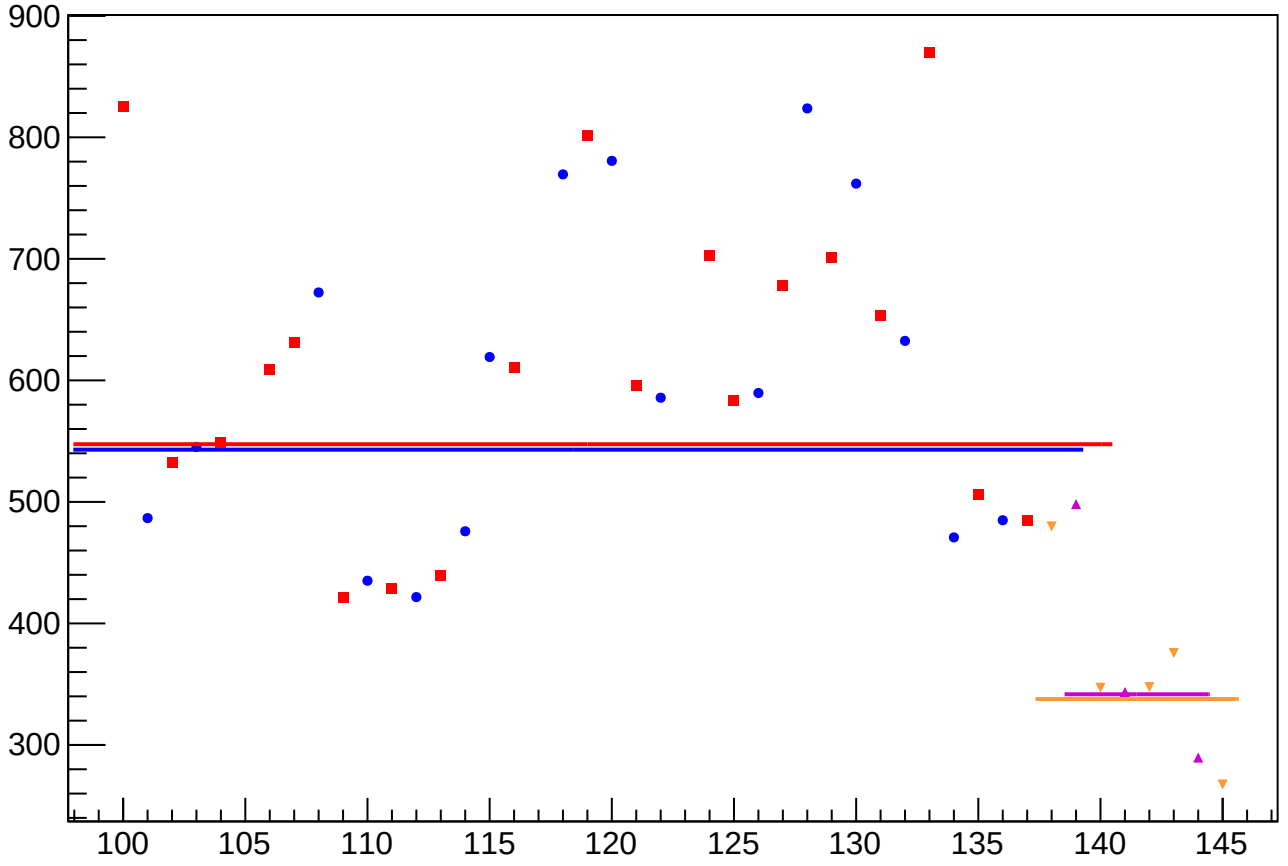
Left In: 283.769+/-216.872 χ^2/NDF:2.1/2

+ sign 309.178+/-136.021 χ^2/NDF: 32.1/20

All: 321.089+/-100.519 χ^2/NDF: 44.3/42

- sign 335.421+/-149.201 χ^2/NDF: 12.2/21

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

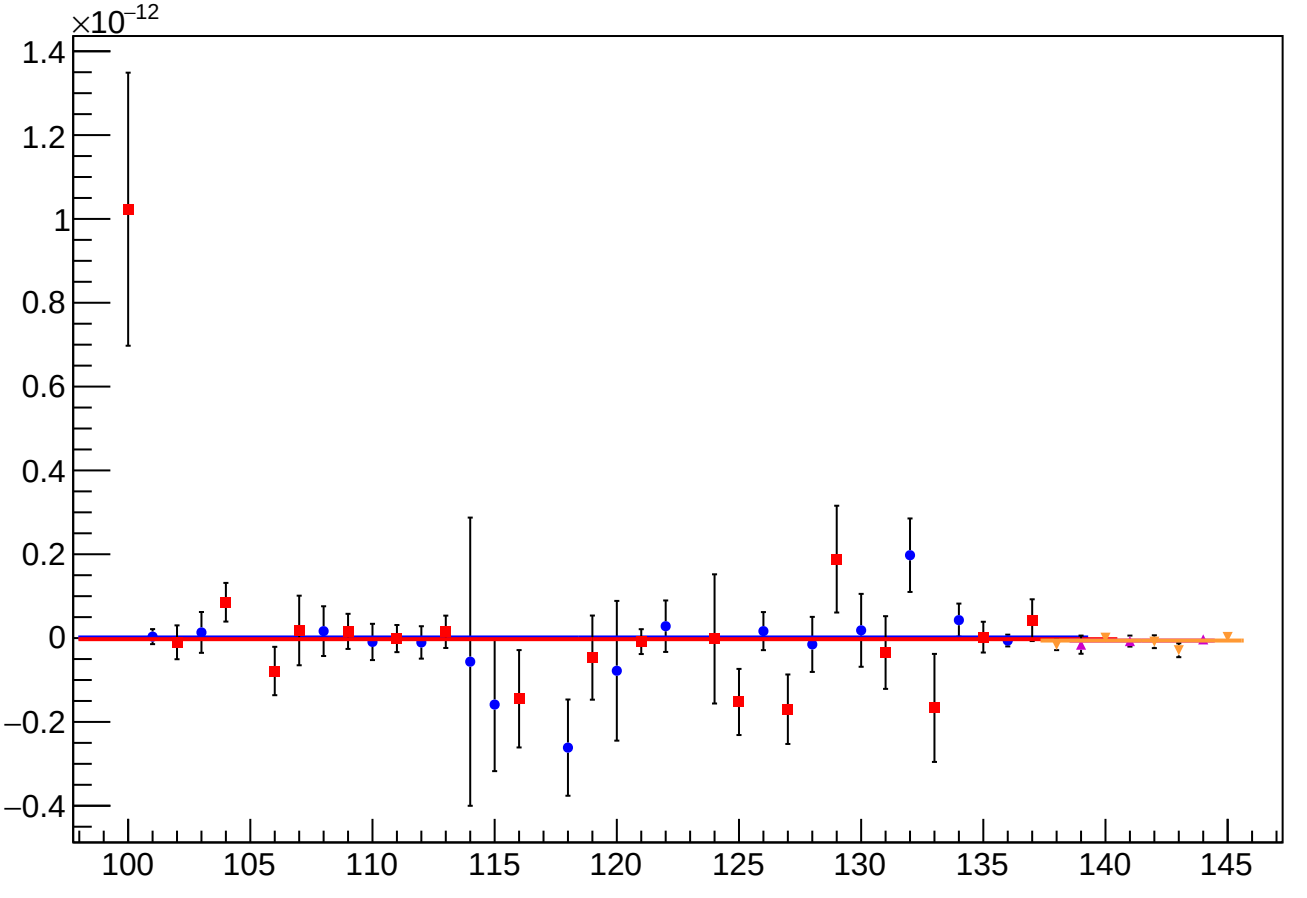
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 341.718+/-0.153 χ^2/NDF:222483.8/2

+ sign 425.963+/-0.096 χ^2/NDF: 1983890.1/20

All: 436.911+/-0.071 χ^2/NDF: 3813295.3/42

- sign 450.084+/-0.106 χ^2/NDF: 1800857.9/21



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

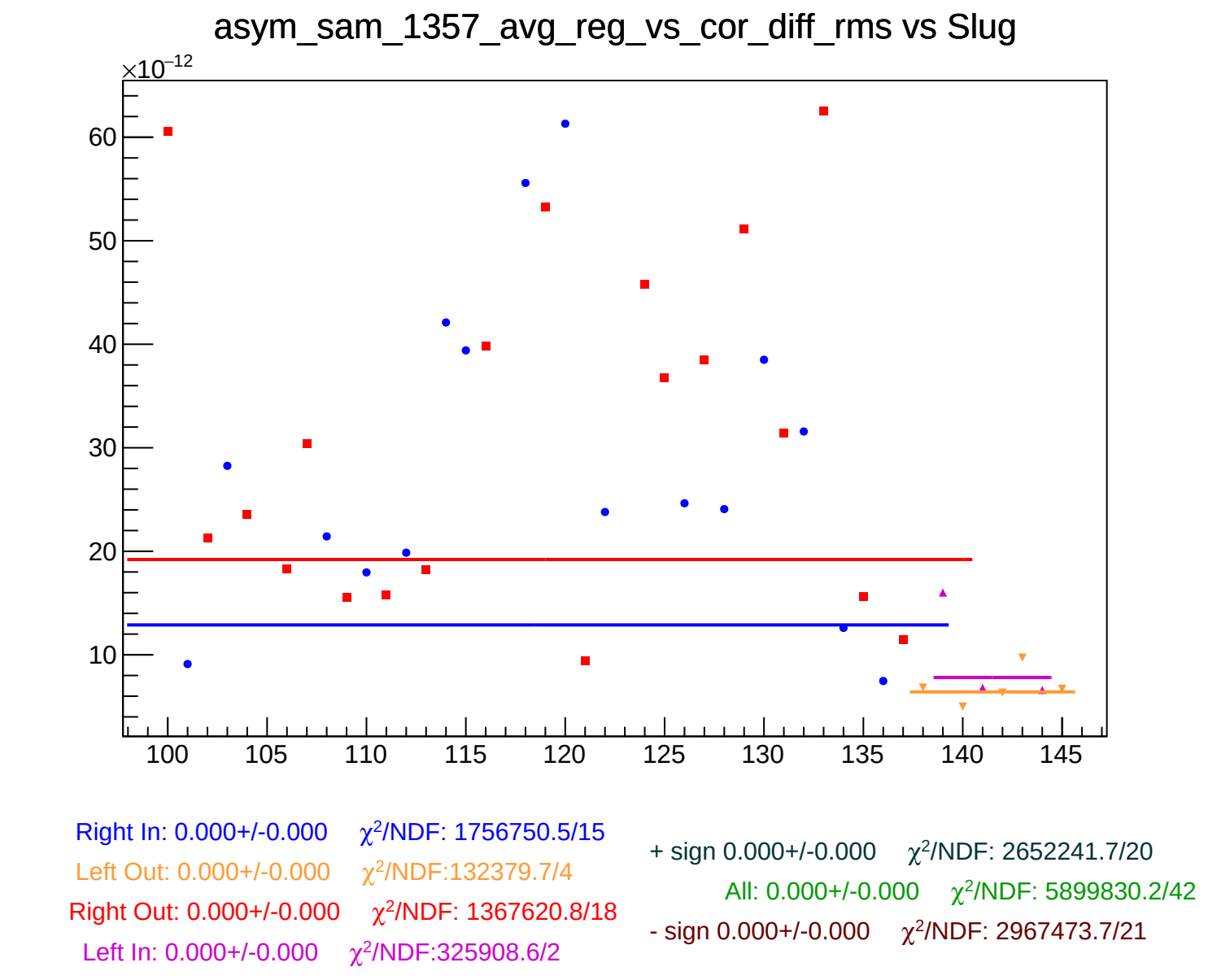
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

+ sign -0.000+/-0.000 χ^2/NDF: 18.0/20

All: -0.000+/-0.000 χ^2/NDF: 48.5/42

- sign -0.000+/-0.000 χ^2/NDF: 30.4/21


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
60
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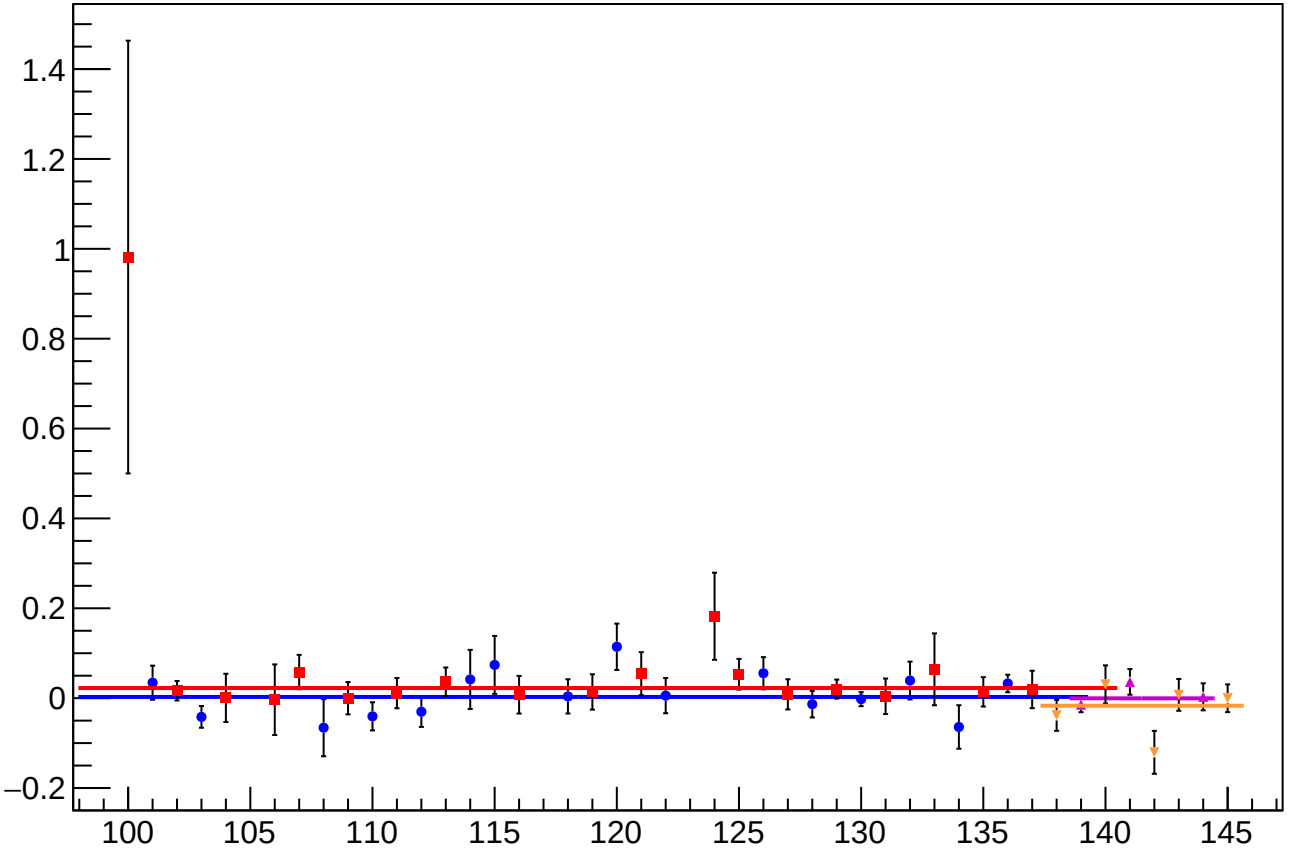
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:132379.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:325908.6/2
+ sign 0.000+/-0.000 χ²/NDF: 2652241.7/20
All: 0.000+/-0.000 χ²/NDF: 5899830.2/42
- sign 0.000+/-0.000 χ²/NDF: 2967473.7/21

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

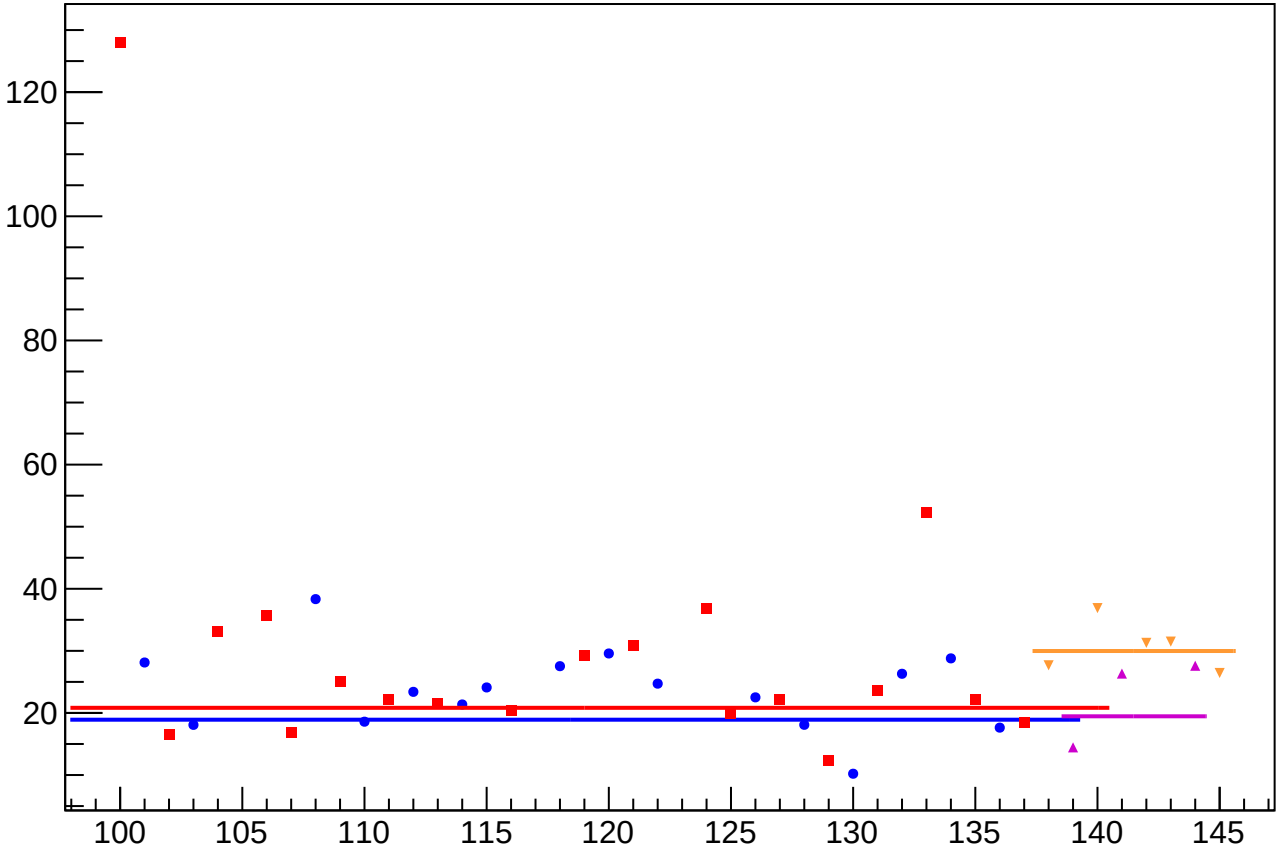
Left In: -0.000+/-0.013 χ^2/NDF:2.3/2

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/20

All: 0.007+/-0.005 χ^2/NDF: 48.3/42

- sign 0.016+/-0.007 χ^2/NDF: 15.3/21

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

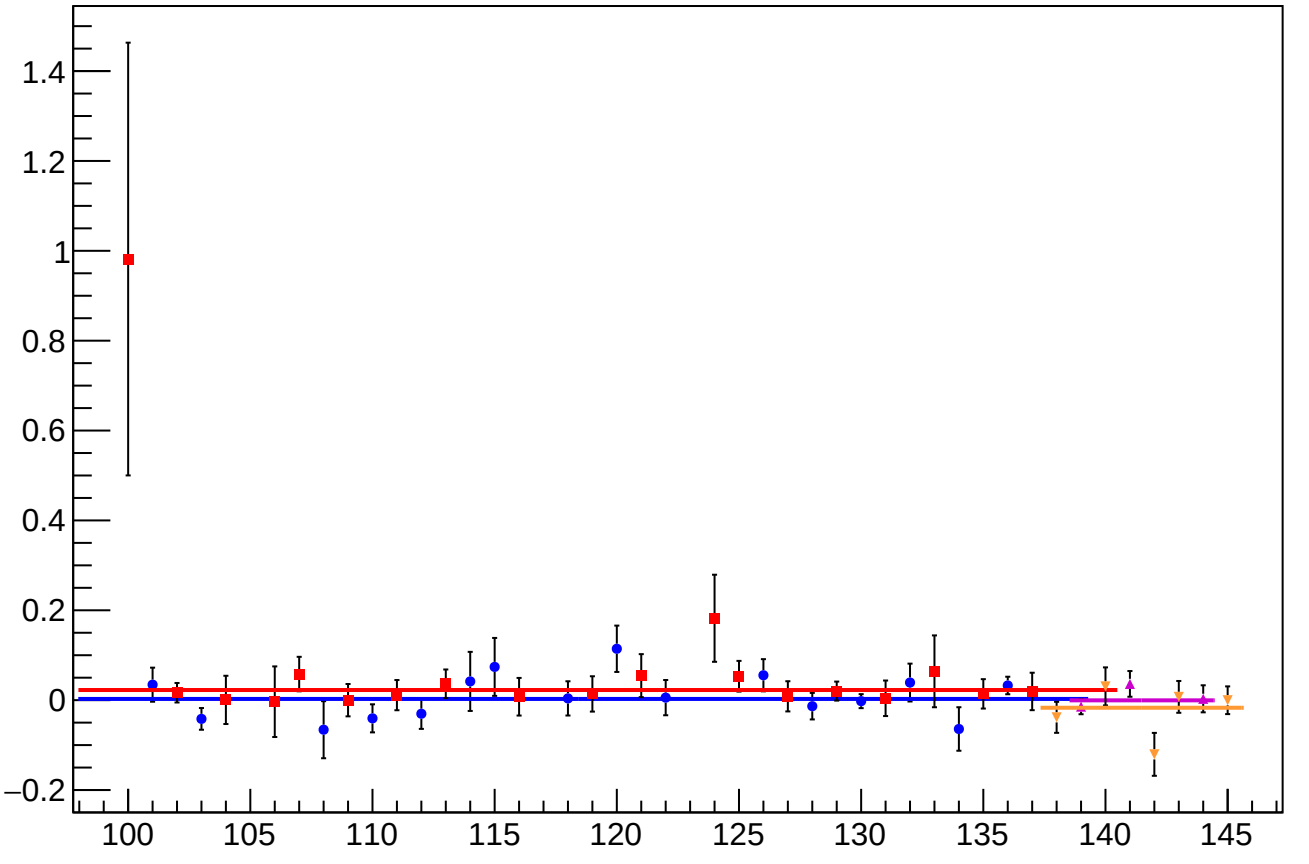
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.459+/-0.009 χ^2/NDF:436202.0/2

+ sign 20.940+/-0.005 χ^2/NDF: 2221166.3/20

All: 20.685+/-0.004 χ^2/NDF: 3969541.0/42

- sign 20.426+/-0.005 χ^2/NDF: 1743095.4/21



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

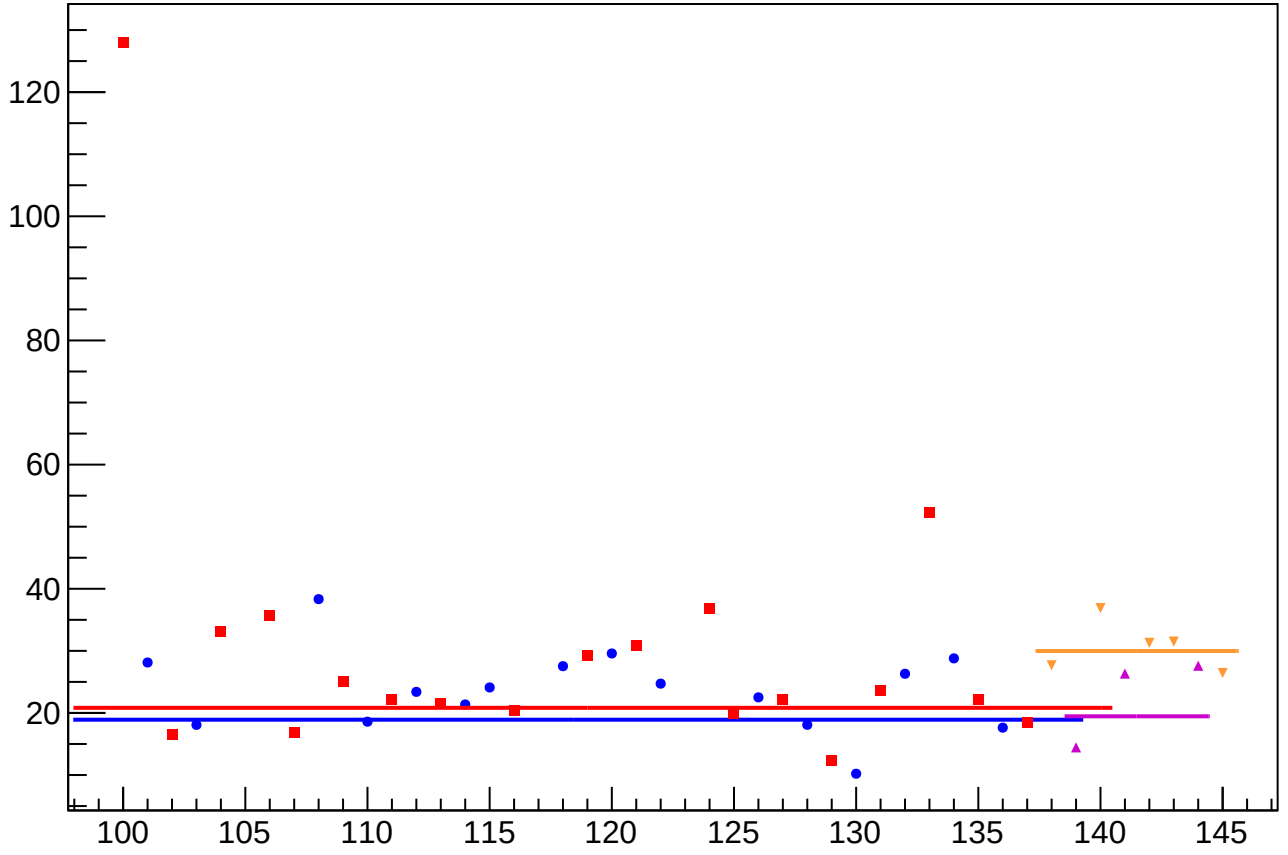
Left In: -0.000+/-0.013 χ^2/NDF:2.3/2

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/20

All: 0.007+/-0.005 χ^2/NDF: 48.3/42

- sign 0.016+/-0.007 χ^2/NDF: 15.3/21

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 29.975+/-0.012 χ^2/NDF:93810.6/4

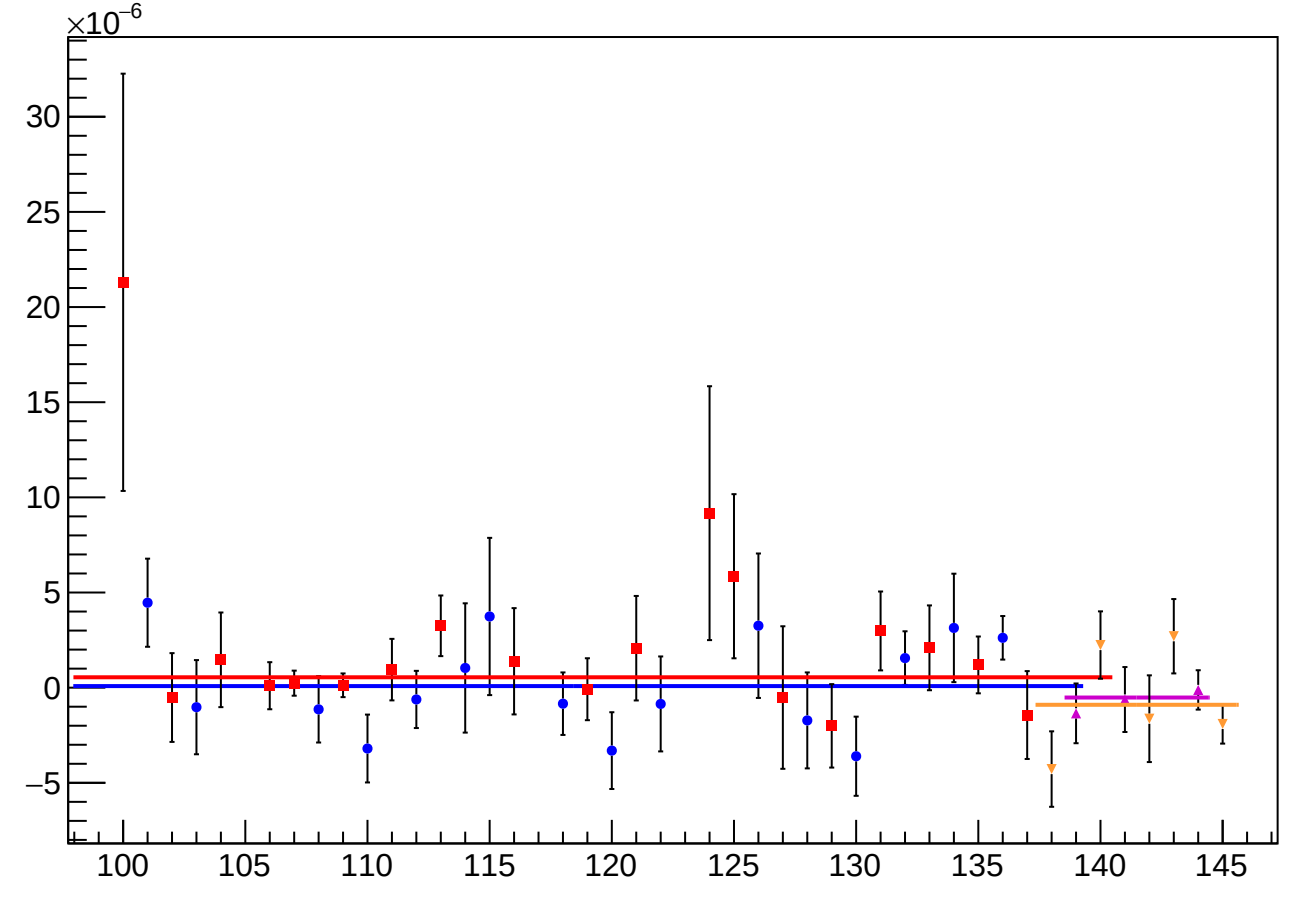
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.459+/-0.009 χ^2/NDF:436202.0/2

+ sign 20.940+/-0.005 χ^2/NDF: 2221166.3/20

All: 20.685+/-0.004 χ^2/NDF: 3969541.0/42

- sign 20.426+/-0.005 χ^2/NDF: 1743095.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/4

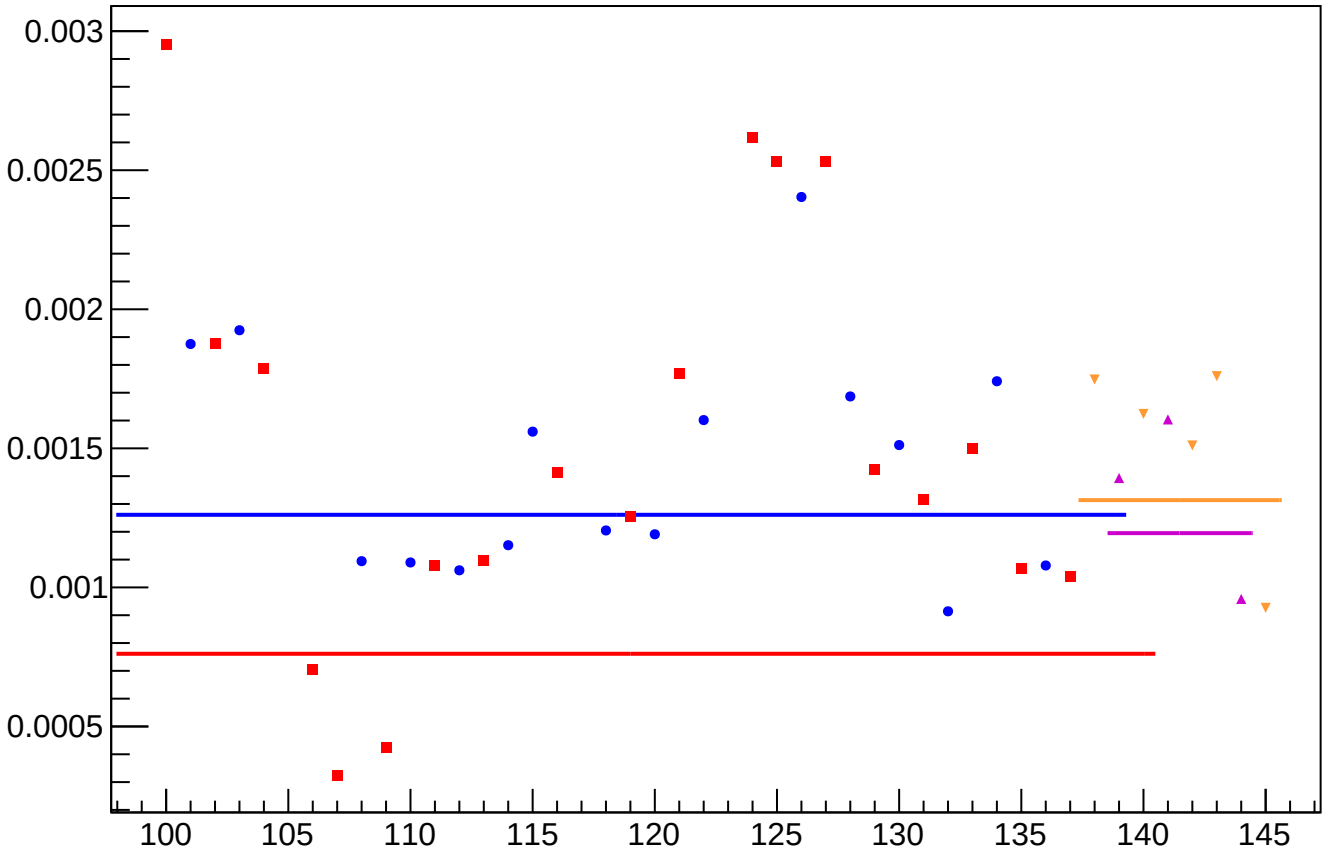
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/20

All: 0.000+/-0.000 χ^2/NDF: 54.4/42

- sign 0.000+/-0.000 χ^2/NDF: 17.7/21



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:557936.2/4

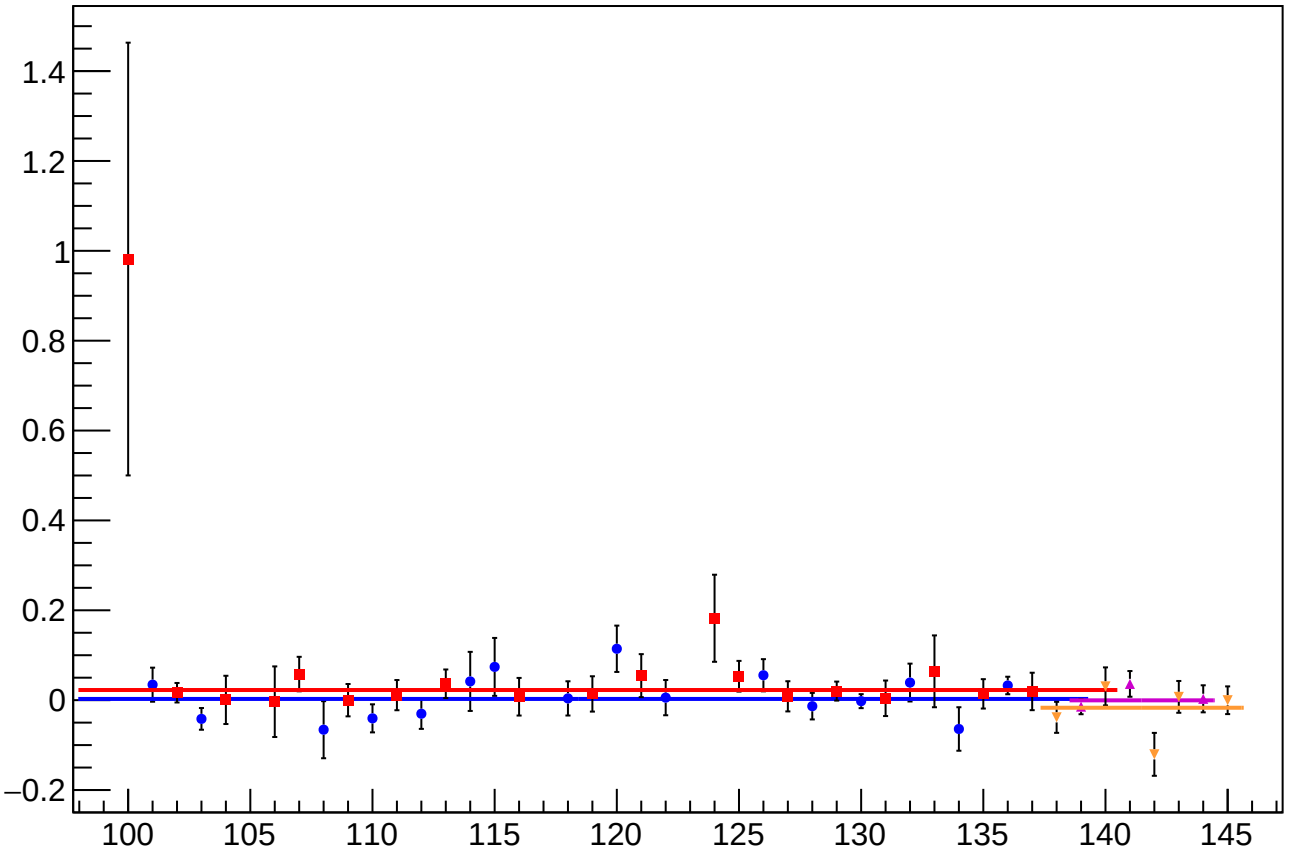
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:251206.7/2

+ sign 0.001+/-0.000 χ^2/NDF: 1472734.1/20

All: 0.001+/-0.000 χ^2/NDF: 8473088.9/42

- sign 0.001+/-0.000 χ^2/NDF: 5455051.5/21



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

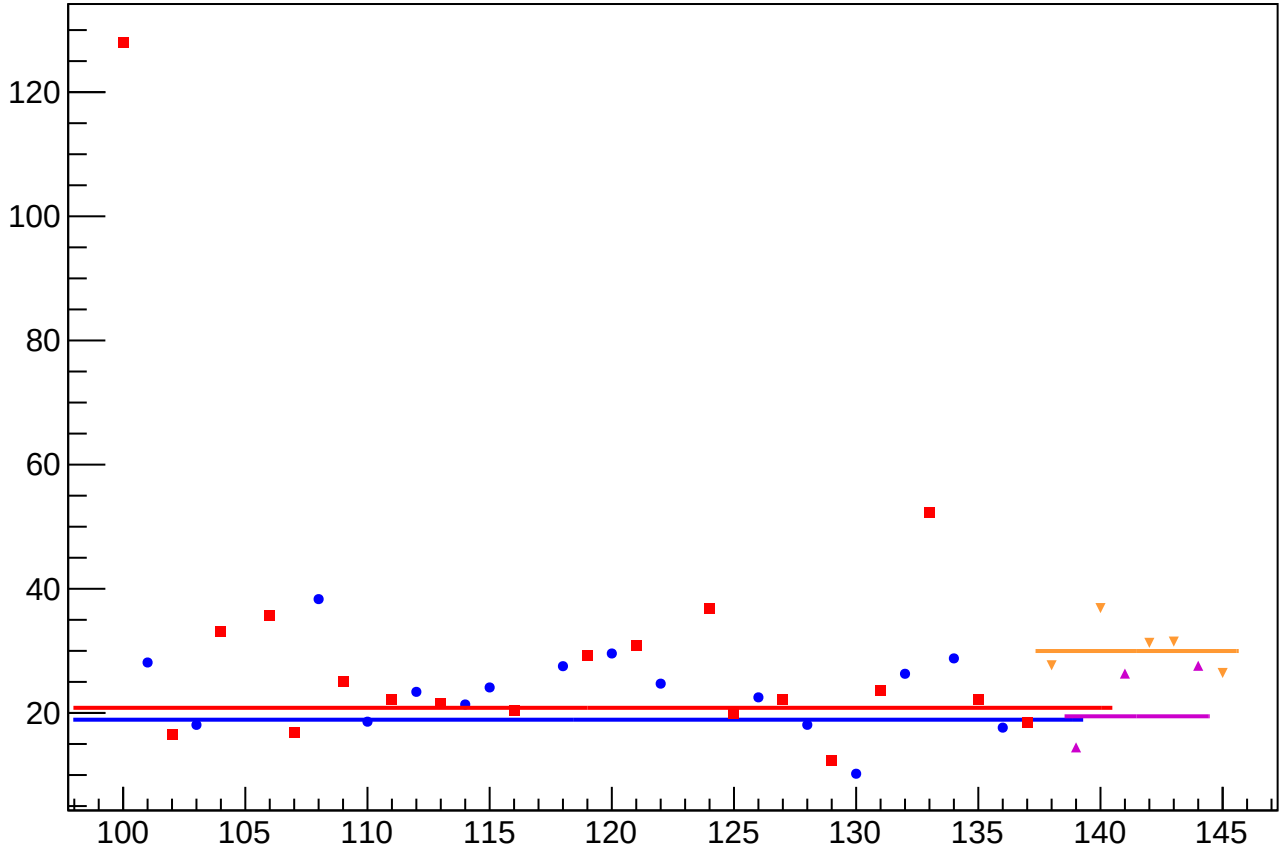
Left In: -0.000+/-0.013 χ^2/NDF:2.3/2

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/20

All: 0.007+/-0.005 χ^2/NDF: 48.3/42

- sign 0.016+/-0.007 χ^2/NDF: 15.3/21

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 29.975+/-0.012 χ^2/NDF:93815.9/4

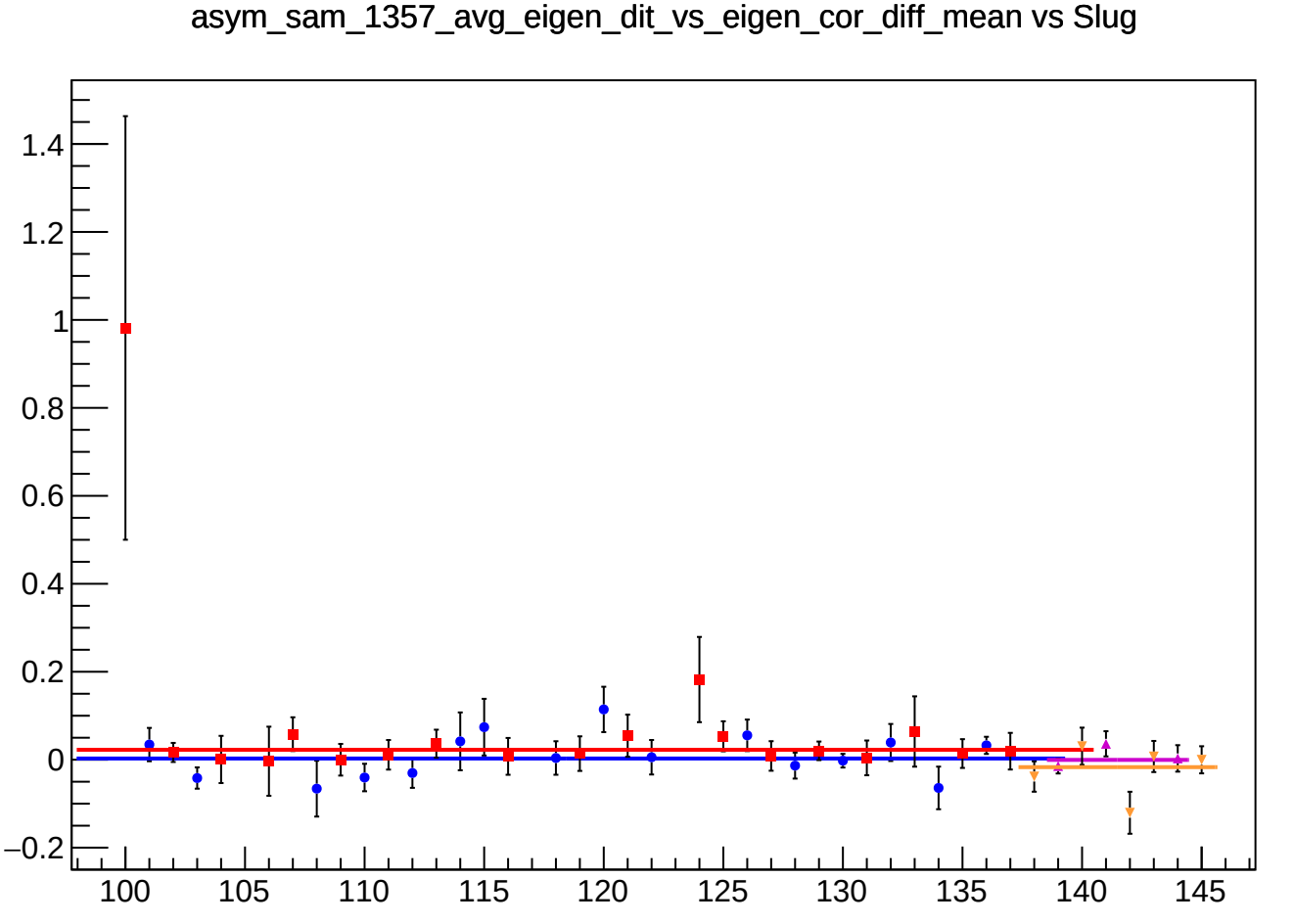
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.460+/-0.009 χ^2/NDF:436164.6/2

+ sign 20.941+/-0.005 χ^2/NDF: 2221042.9/20

All: 20.685+/-0.004 χ^2/NDF: 3969365.2/42

- sign 20.426+/-0.005 χ^2/NDF: 1743042.0/21



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.017+/-0.016 χ^2/NDF:7.1/4

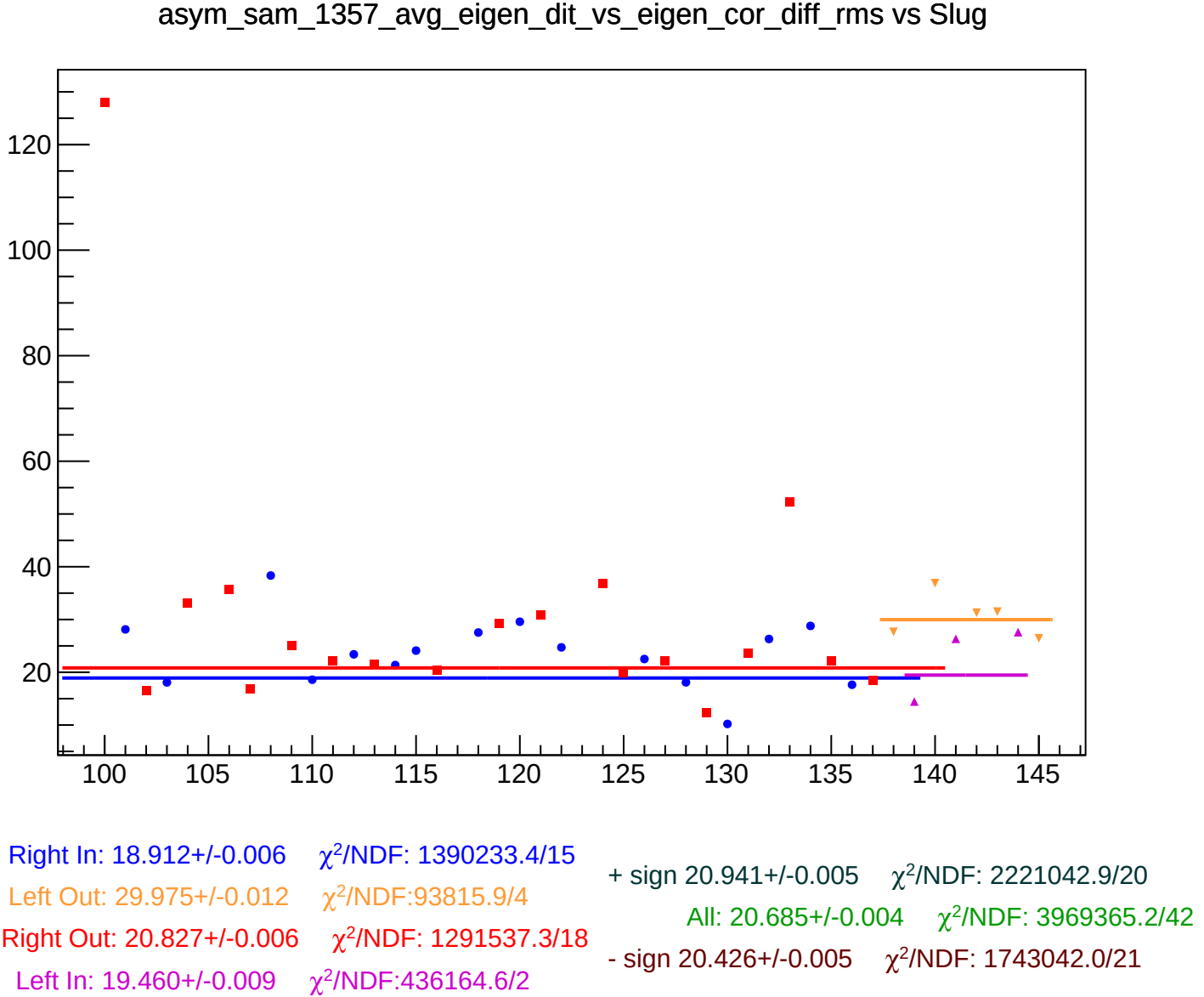
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

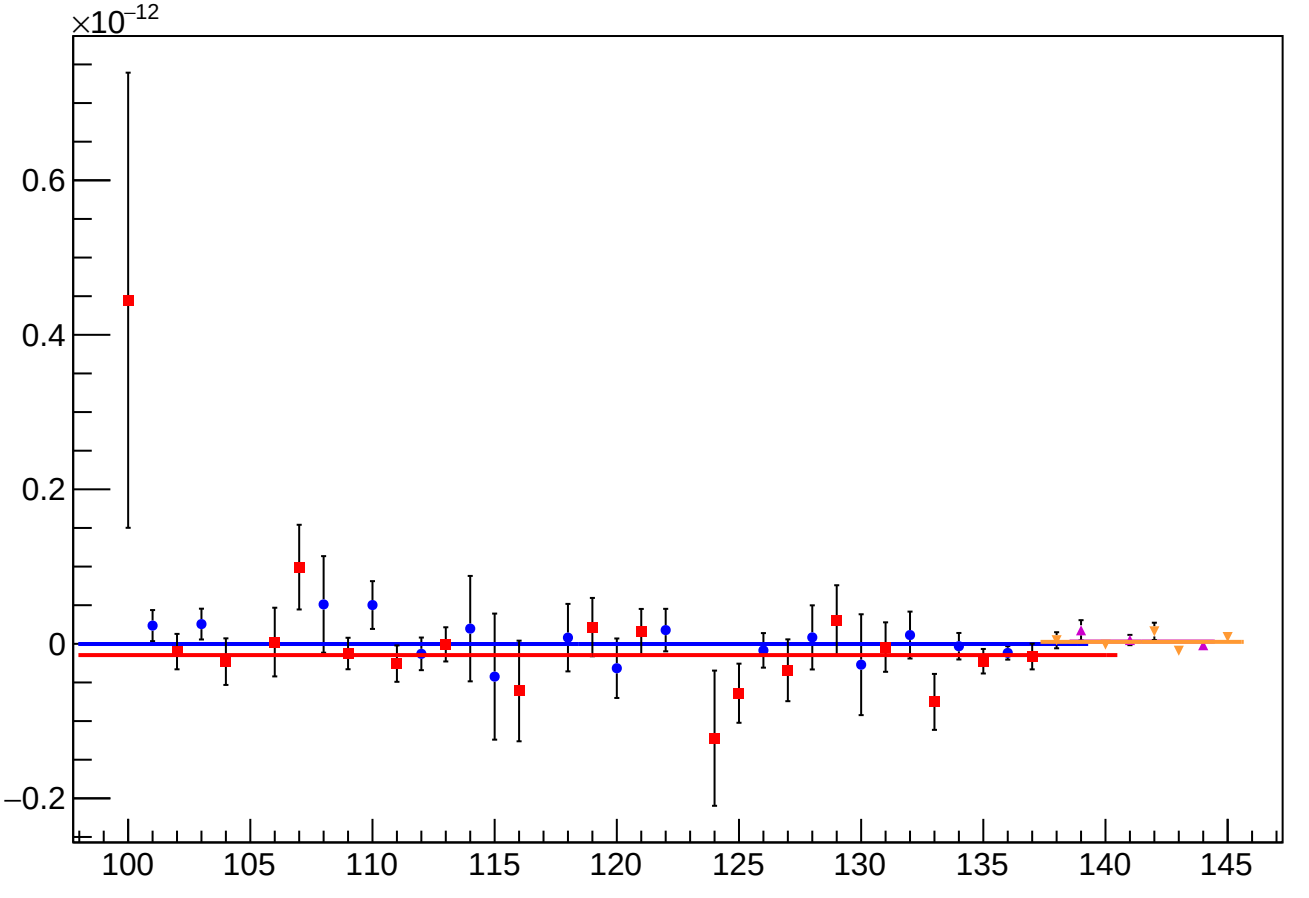
Left In: -0.000+/-0.013 χ^2/NDF:2.3/2

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/20

All: 0.007+/-0.005 χ^2/NDF: 48.3/42

- sign 0.016+/-0.007 χ^2/NDF: 15.3/21


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
105
110
115
120
125
130
135
140
145
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: 19.460+/-0.009 χ²/NDF:436164.6/2
+ sign 20.941+/-0.005 χ²/NDF: 2221042.9/20
All: 20.685+/-0.004 χ²/NDF: 3969365.2/42
- sign 20.426+/-0.005 χ²/NDF: 1743042.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

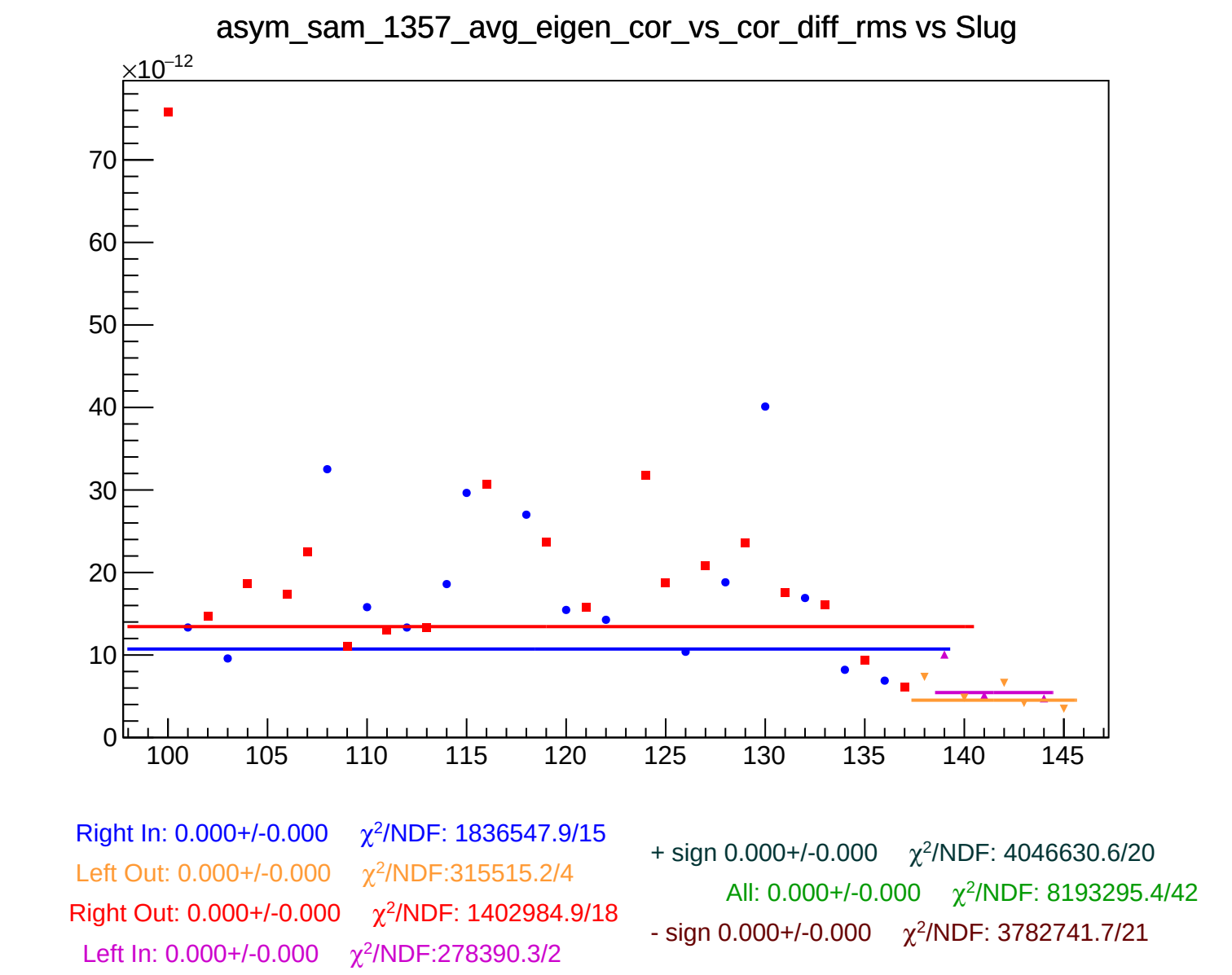
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/2

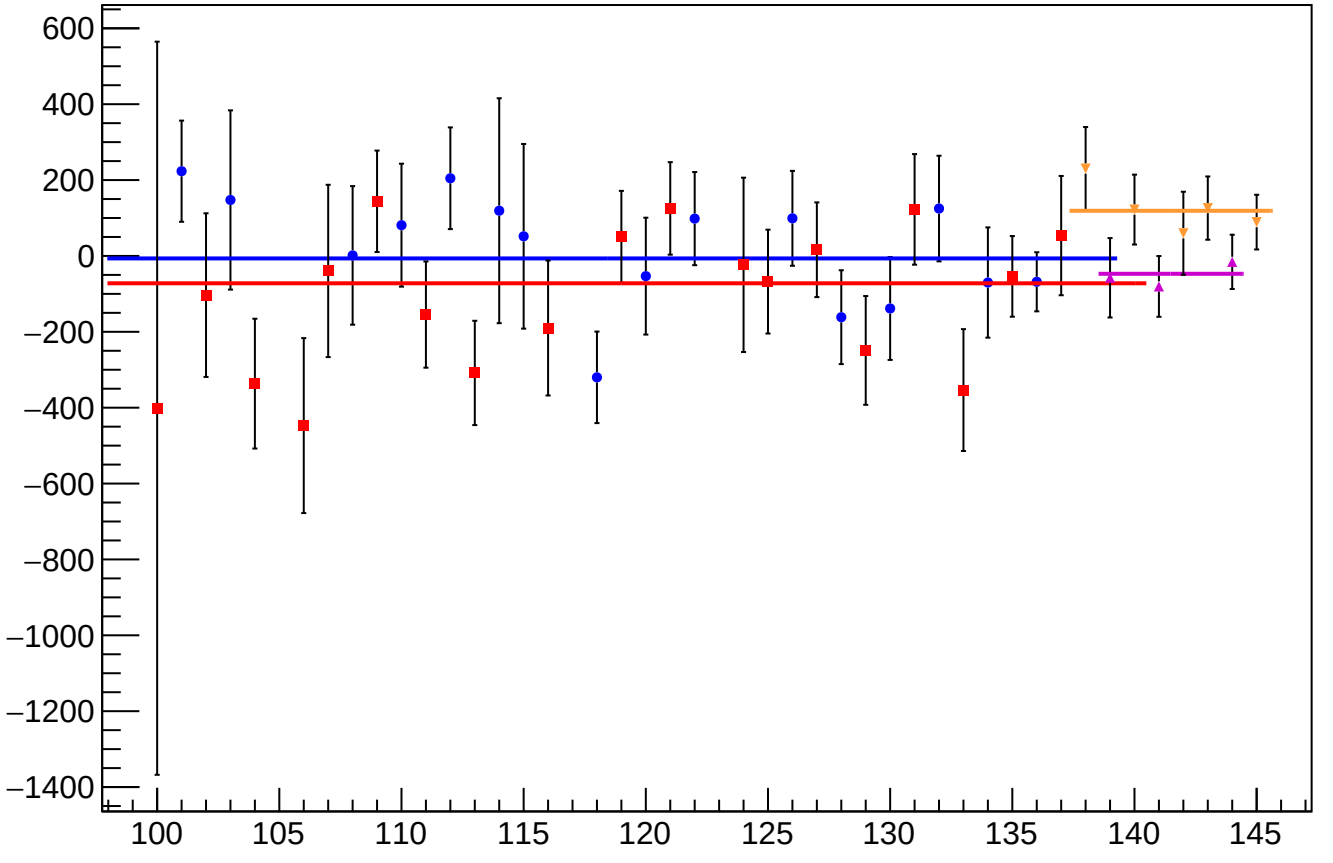
+ sign 0.000+/-0.000 χ^2/NDF: 17.4/20

All: 0.000+/-0.000 χ^2/NDF: 42.9/42

- sign -0.000+/-0.000 χ^2/NDF: 24.6/21


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:315515.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:278390.3/2
+ sign 0.000+/-0.000 χ²/NDF: 4046630.6/20
All: 0.000+/-0.000 χ²/NDF: 8193295.4/42
- sign 0.000+/-0.000 χ²/NDF: 3782741.7/21

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

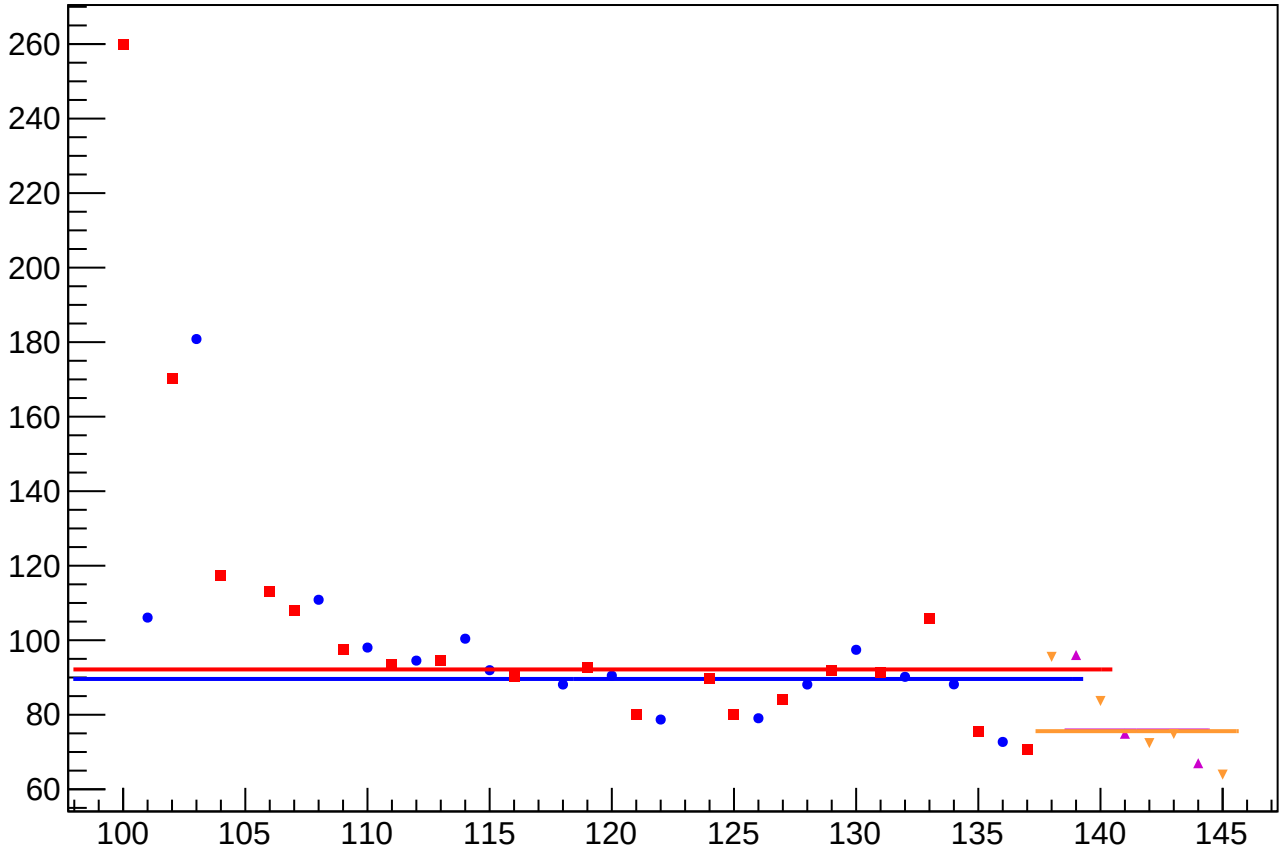
Left In: -47.044+/-47.524 χ^2/NDF:0.4/2

+ sign 46.425+/-26.068 χ^2/NDF: 26.1/20

All: -4.306+/-19.117 χ^2/NDF: 57.6/42

- sign -63.343+/-28.121 χ^2/NDF: 23.3/21

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

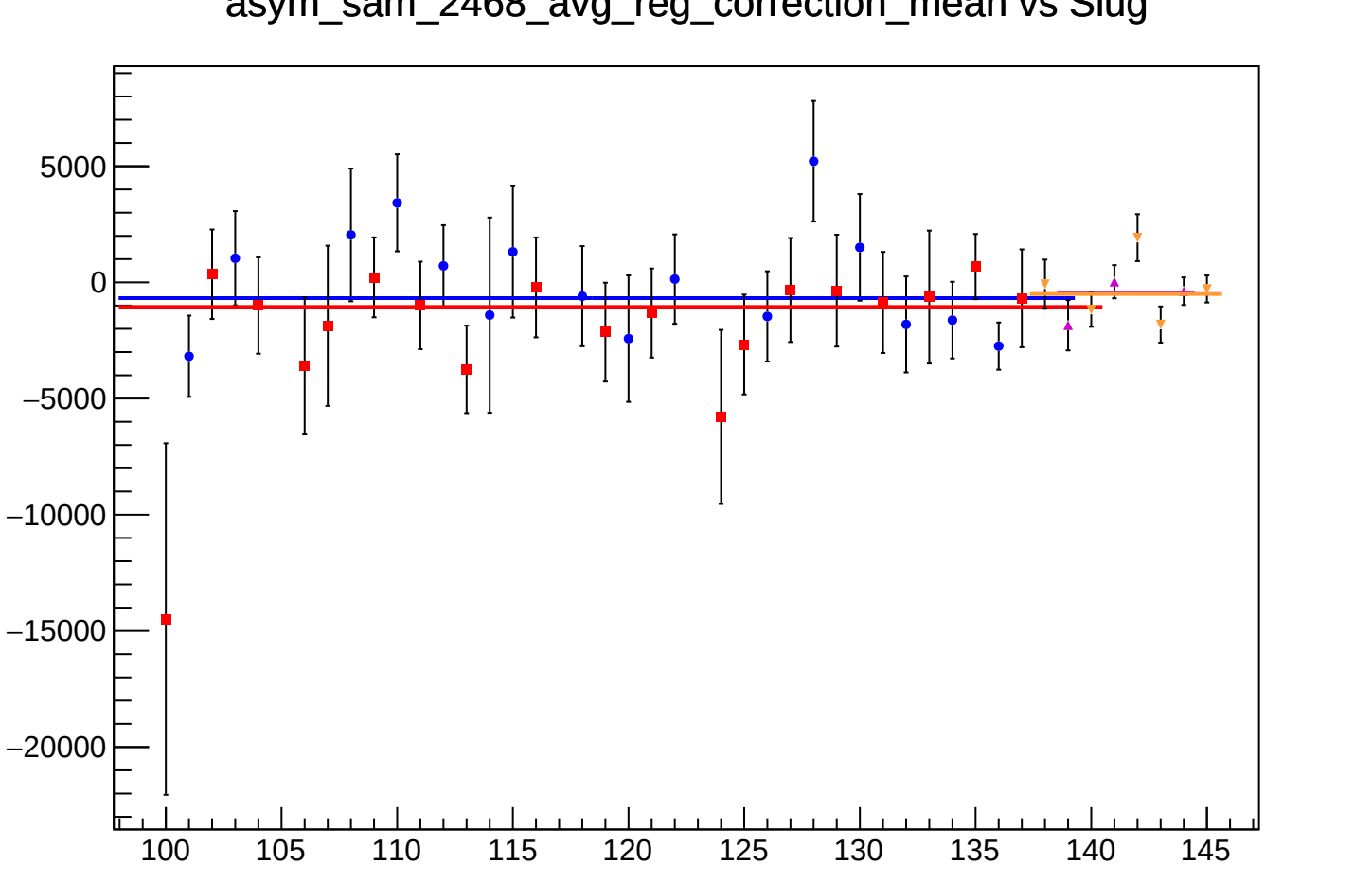
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.771+/-0.034 χ^2/NDF:105369.8/2

+ sign 83.693+/-0.018 χ^2/NDF: 775312.8/20

All: 84.954+/-0.014 χ^2/NDF: 1587493.6/42

- sign 86.422+/-0.020 χ^2/NDF: 802044.3/21



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

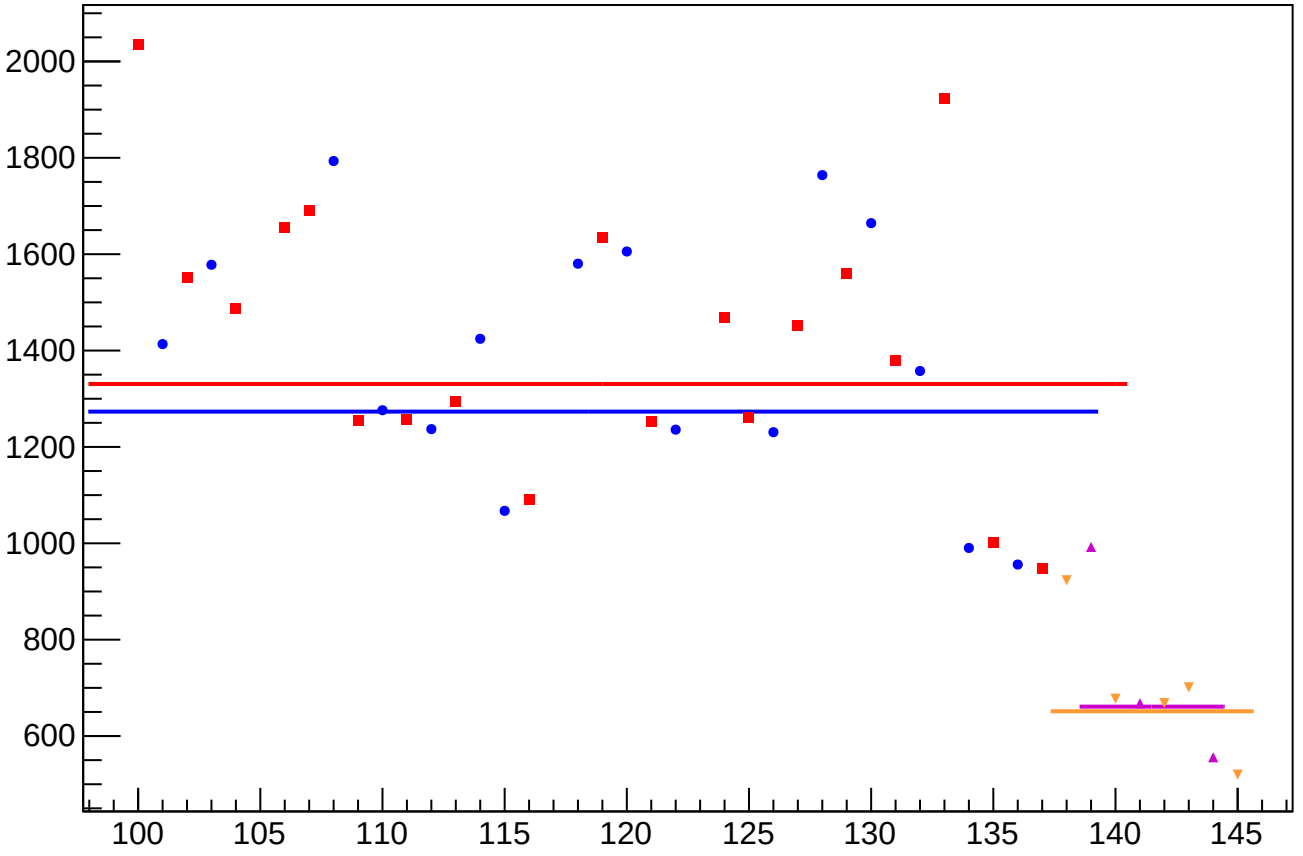
Left In: -460.089+/-420.693 χ^2/NDF:2.1/2

+ sign -559.326+/-282.676 χ^2/NDF: 30.1/20

All: -625.314+/-212.123 χ^2/NDF: 44.6/42

- sign -710.368+/-320.926 χ^2/NDF: 14.4/21

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

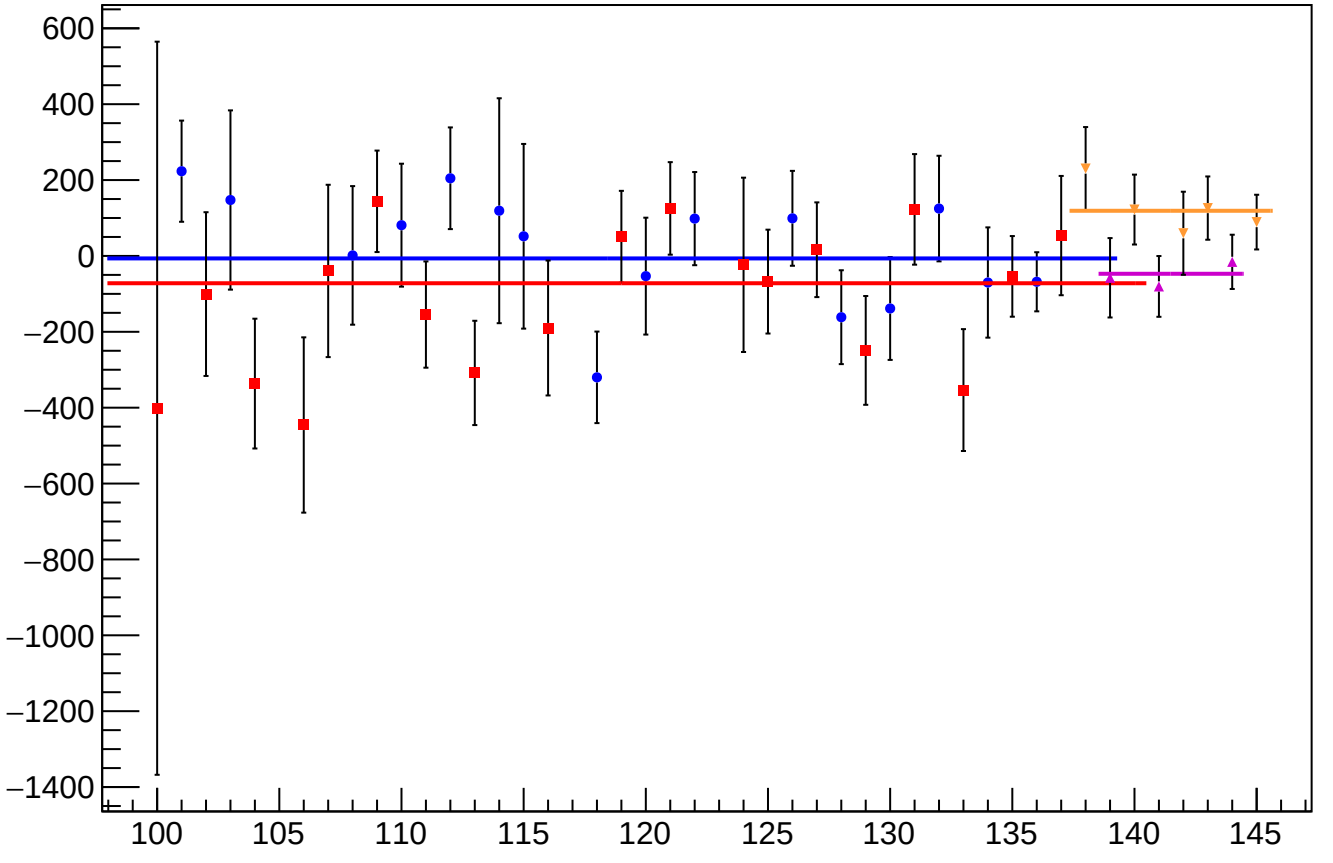
Left In: 661.002+/-0.297 χ^2/NDF:250611.3/2

+ sign 861.416+/-0.200 χ^2/NDF: 3007401.9/20

All: 896.171+/-0.150 χ^2/NDF: 5916620.6/42

- sign 940.967+/-0.227 χ^2/NDF: 2840019.3/21

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

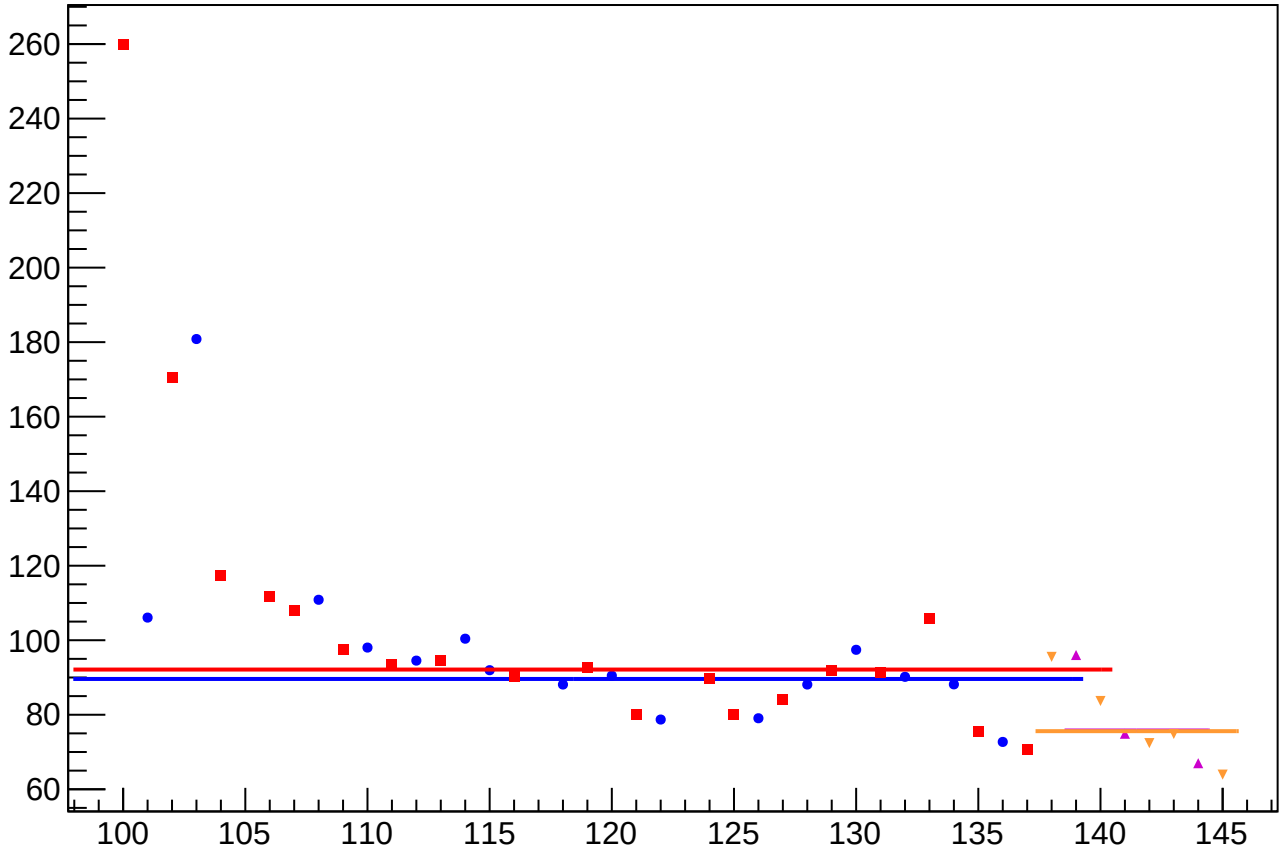
Left In: -47.053+/-47.524 χ^2/NDF:0.4/2

+ sign 46.425+/-26.068 χ^2/NDF: 26.1/20

All: -4.262+/-19.118 χ^2/NDF: 57.6/42

- sign -63.252+/-28.122 χ^2/NDF: 23.3/21

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

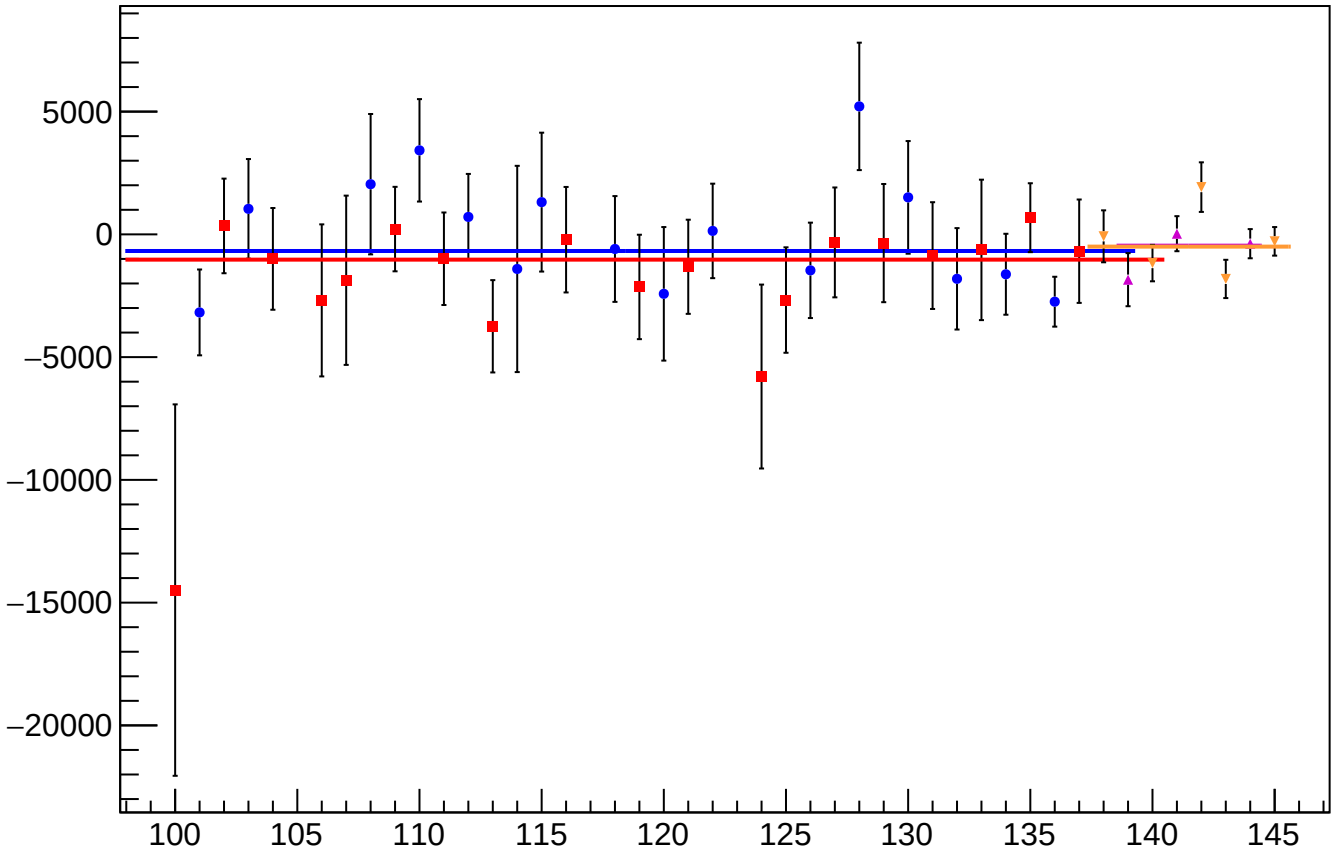
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.771+/-0.034 χ^2/NDF:105369.8/2

+ sign 83.693+/-0.018 χ^2/NDF: 775316.4/20

All: 84.944+/-0.014 χ^2/NDF: 1584970.0/42

- sign 86.401+/-0.020 χ^2/NDF: 799673.4/21



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

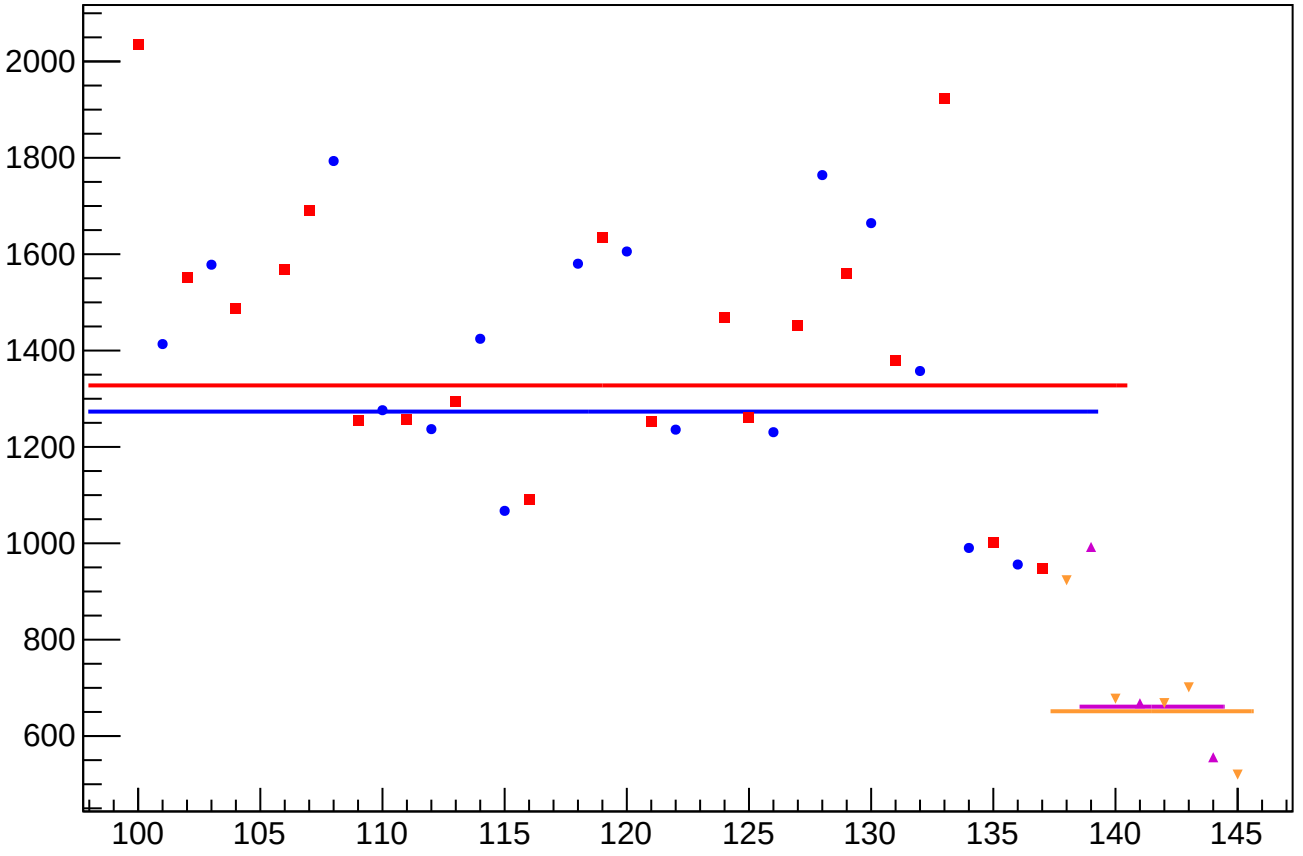
Left In: -460.101+/-420.693 χ^2/NDF:2.1/2

+ sign -559.306+/-282.676 χ^2/NDF: 30.1/20

All: -619.741+/-212.175 χ^2/NDF: 44.1/42

- sign -697.726+/-321.107 χ^2/NDF: 13.9/21

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

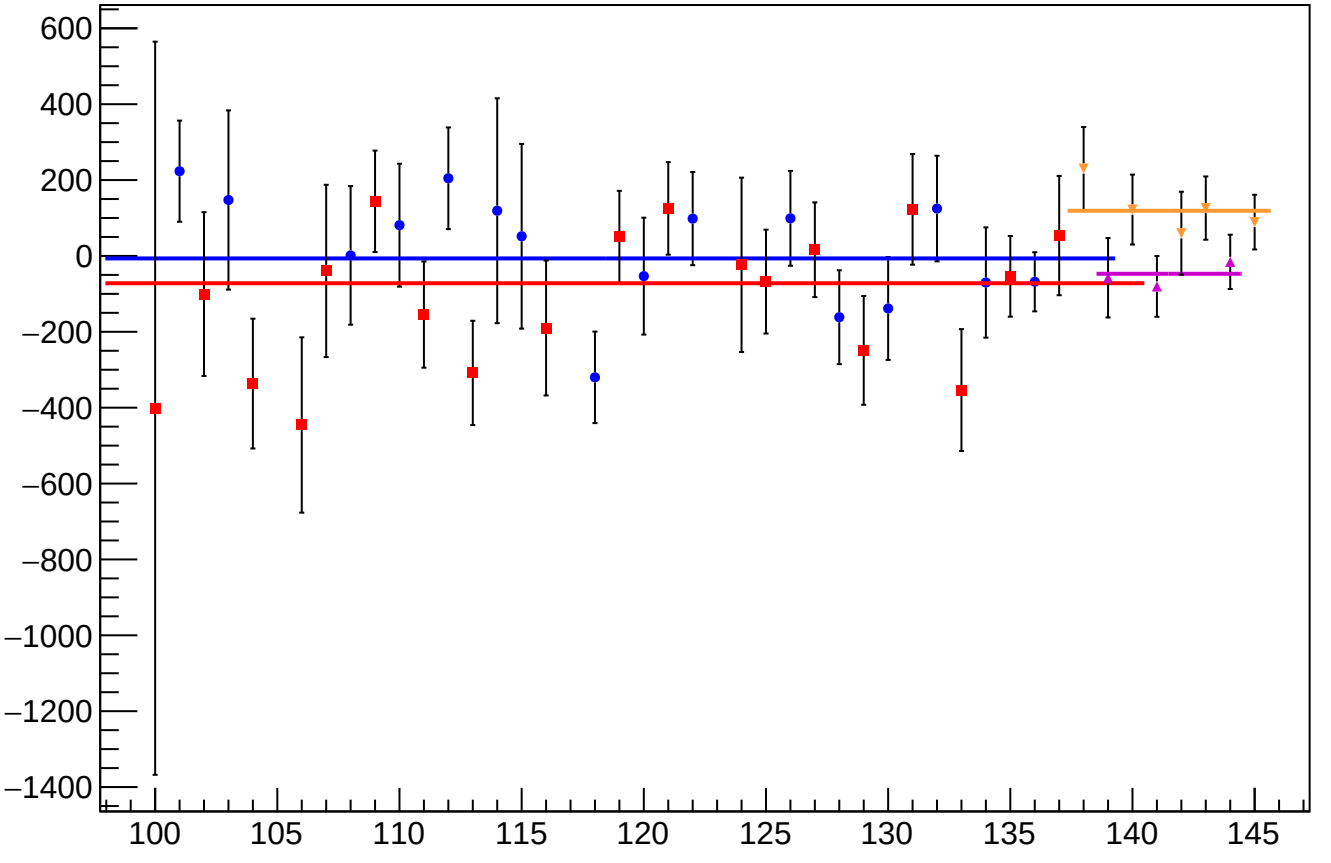
Left In: 661.003+/-0.297 χ^2/NDF:250610.5/2

\+ sign 861.416+/-0.200 χ^2/NDF: 3007447.5/20

All: 895.406+/-0.150 χ^2/NDF: 5879108.3/42

\- sign 939.268+/-0.227 χ^2/NDF: 2805426.5/21

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

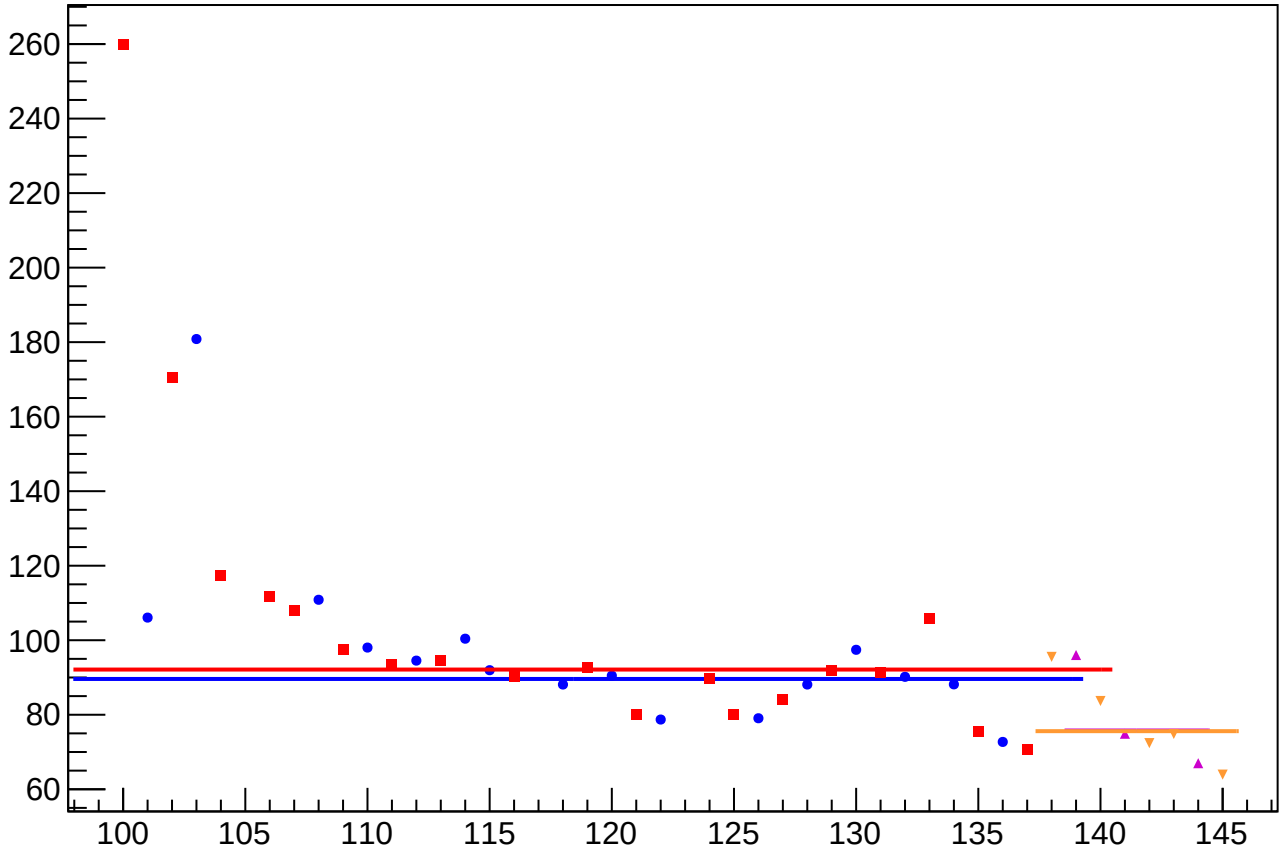
Left In: -47.053+/-47.524 χ^2/NDF:0.4/2

+ sign 46.425+/-26.068 χ^2/NDF: 26.1/20

All: -4.262+/-19.118 χ^2/NDF: 57.6/42

- sign -63.252+/-28.122 χ^2/NDF: 23.3/21

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

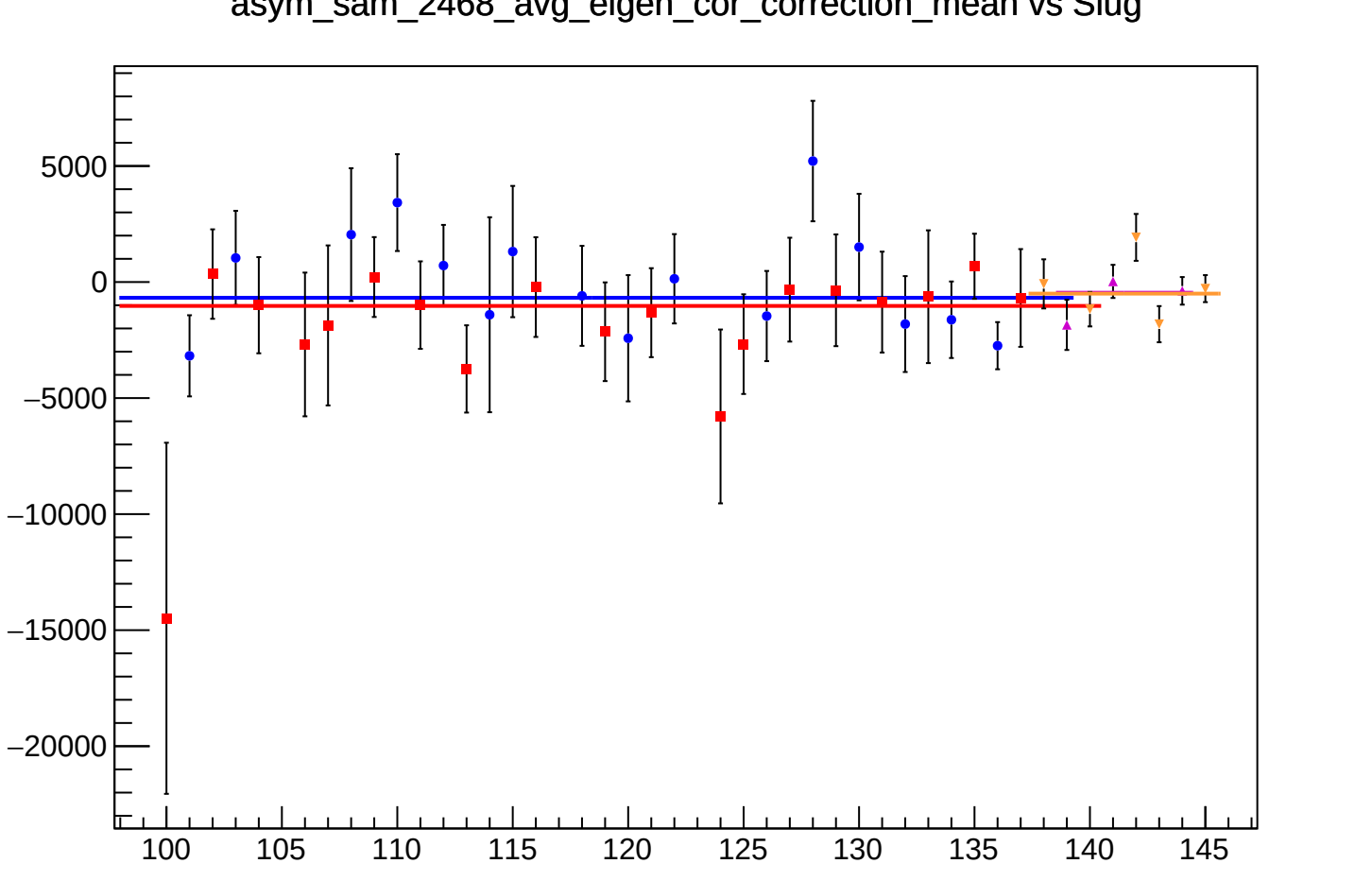
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.771+/-0.034 χ^2/NDF:105369.8/2

+ sign 83.693+/-0.018 χ^2/NDF: 775316.4/20

All: 84.944+/-0.014 χ^2/NDF: 1584970.0/42

- sign 86.401+/-0.020 χ^2/NDF: 799673.4/21



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -499.137+/-347.328 χ^2/NDF:9.7/4

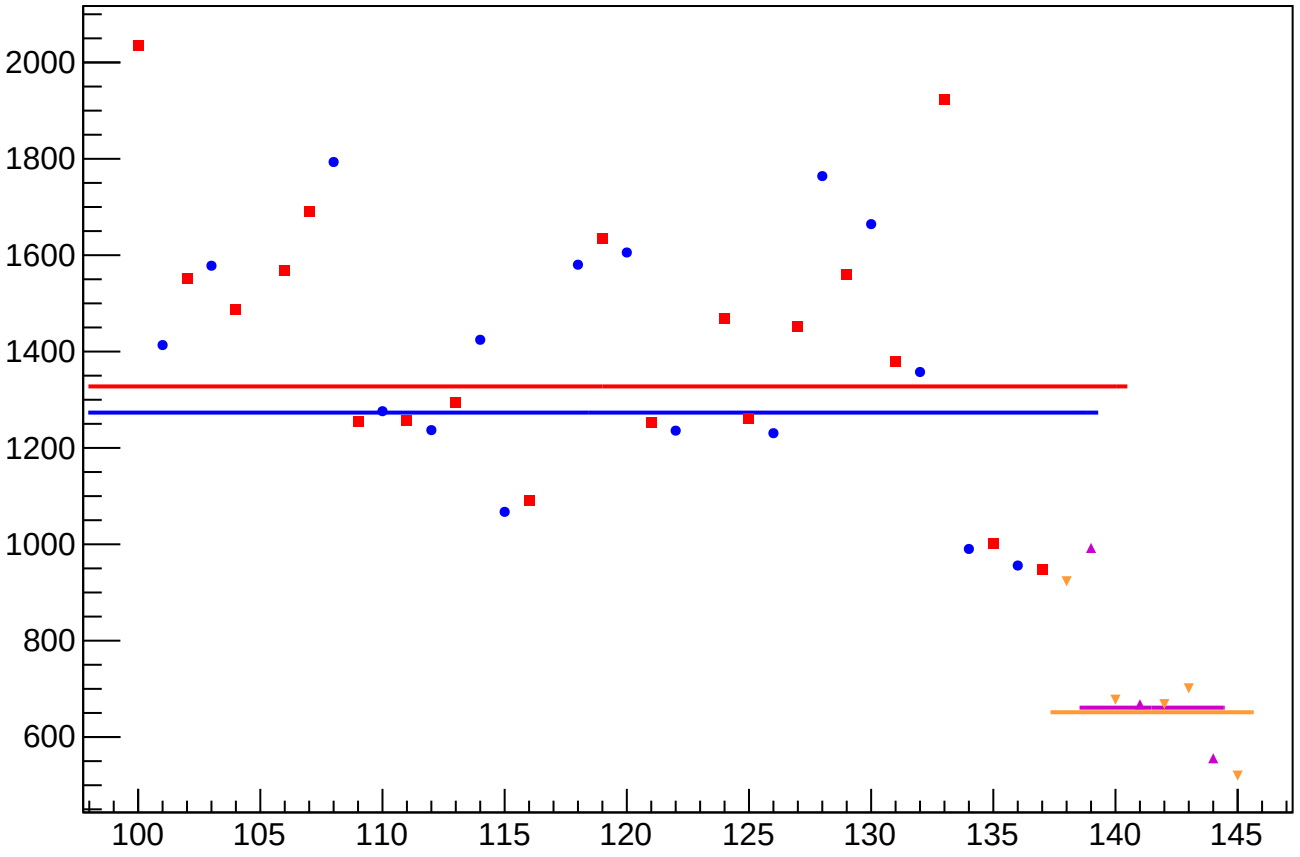
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -460.101+/-420.693 χ^2/NDF:2.1/2

+ sign -559.306+/-282.676 χ^2/NDF: 30.1/20

All: -619.741+/-212.175 χ^2/NDF: 44.1/42

- sign -697.726+/-321.107 χ^2/NDF: 13.9/21



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

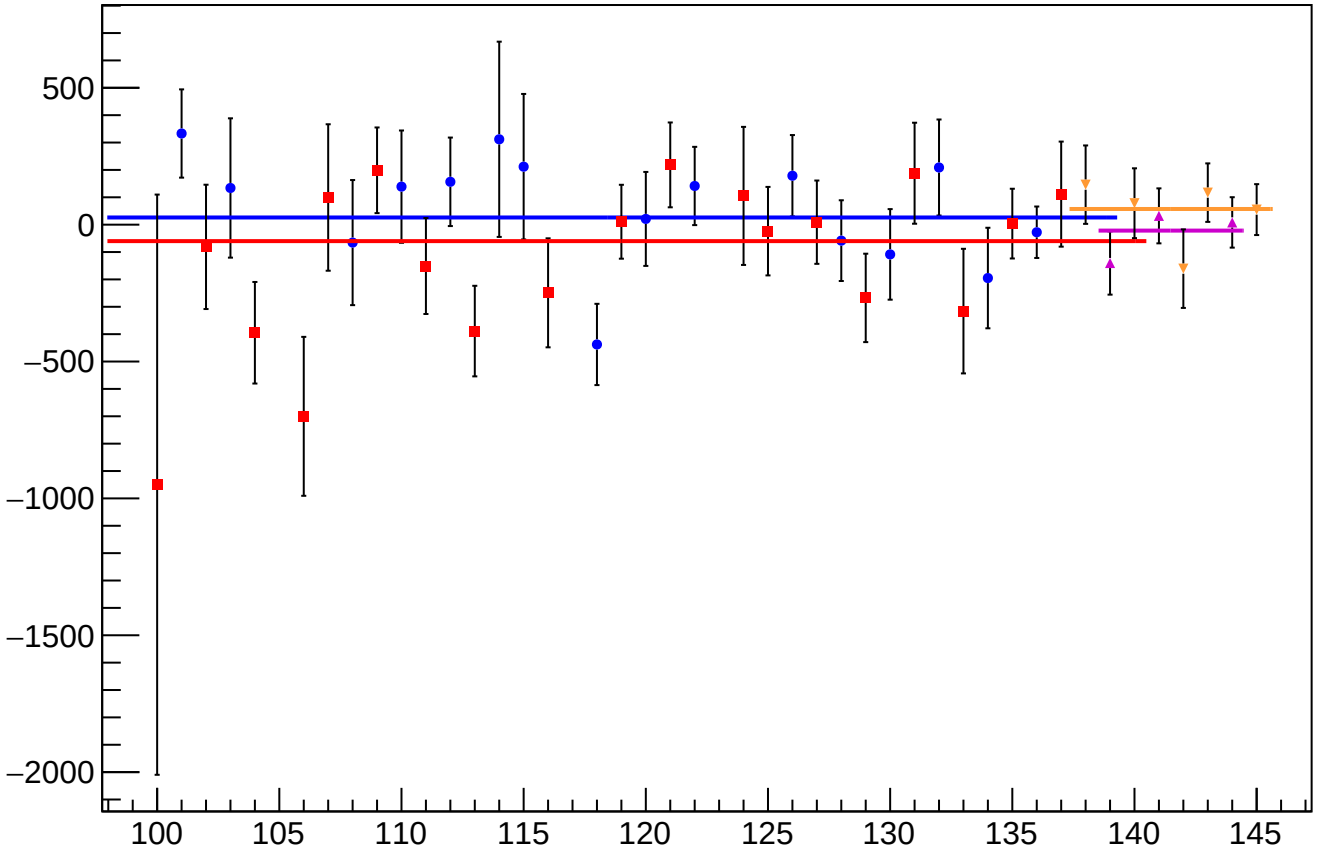
Left In: 661.003+/-0.297 χ^2/NDF:250610.5/2

\+ sign 861.416+/-0.200 χ^2/NDF: 3007447.5/20

All: 895.406+/-0.150 χ^2/NDF: 5879108.3/42

\- sign 939.268+/-0.227 χ^2/NDF: 2805426.5/21

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

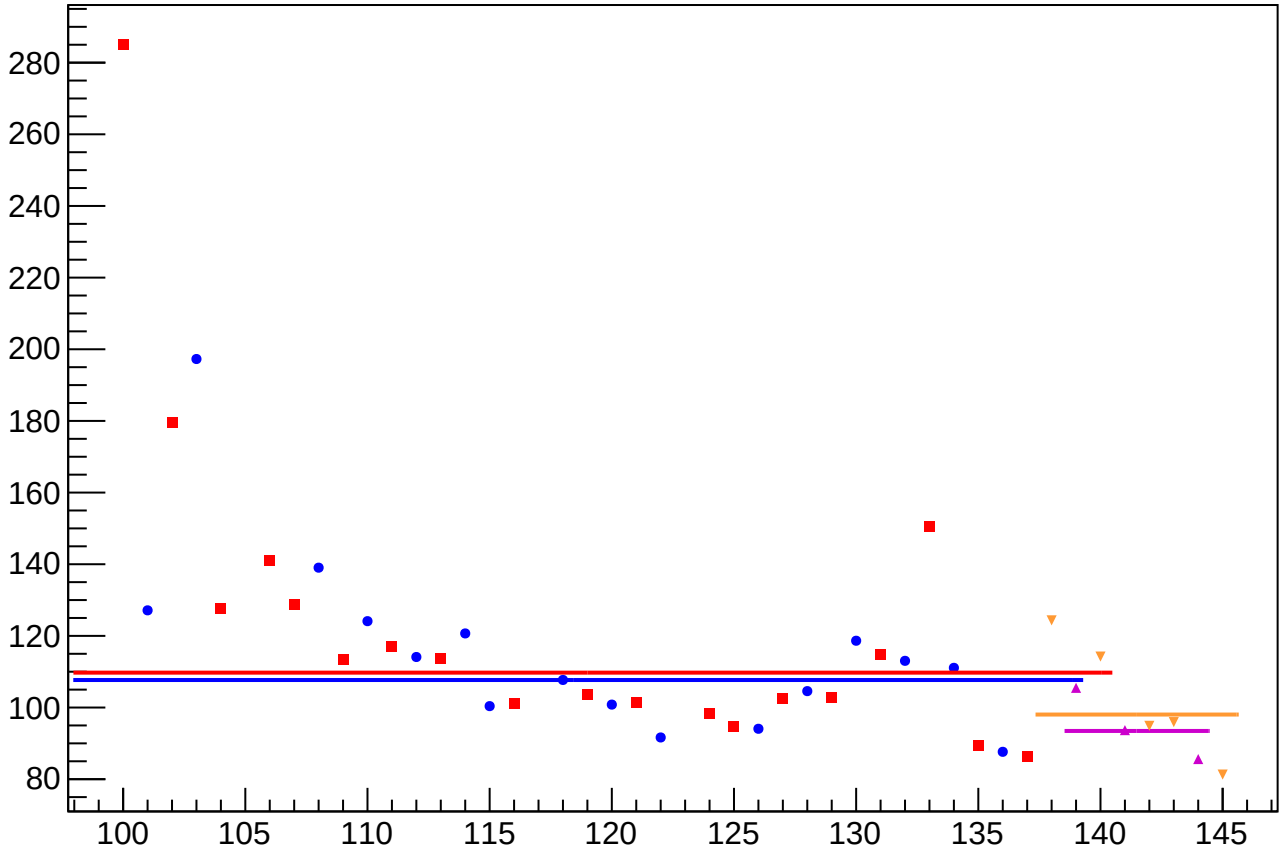
Left In: -21.680+/-58.530 χ^2/NDF:1.4/2

+ sign 38.074+/-32.434 χ^2/NDF: 24.6/20

All: -2.741+/-23.425 χ^2/NDF: 56.7/42

- sign -47.248+/-33.869 χ^2/NDF: 28.7/21

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

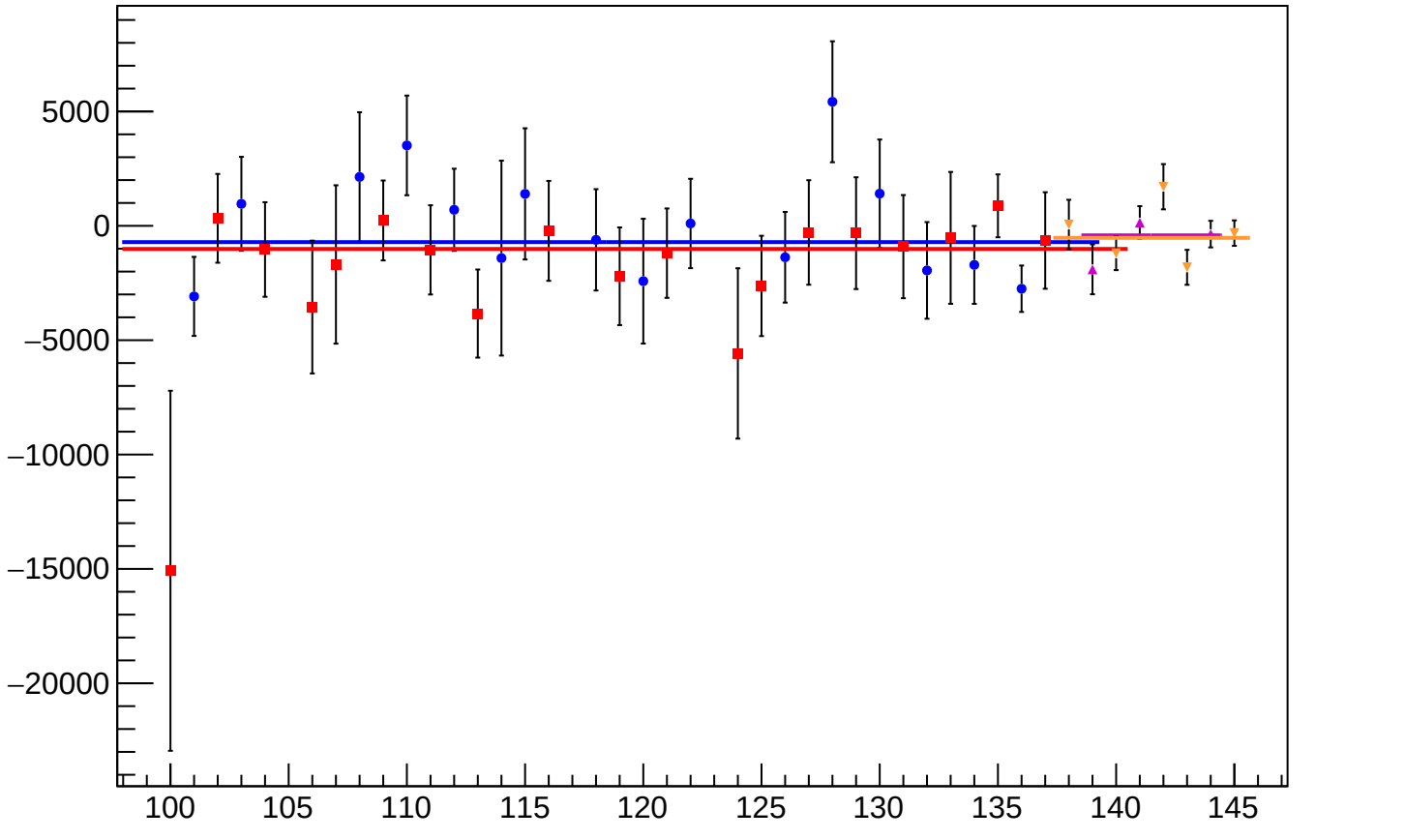
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.463+/-0.041 χ^2/NDF:36200.8/2

+ sign 104.010+/-0.023 χ^2/NDF: 690982.5/20

All: 104.144+/-0.017 χ^2/NDF: 1321912.3/42

- sign 104.289+/-0.024 χ^2/NDF: 630858.7/21



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

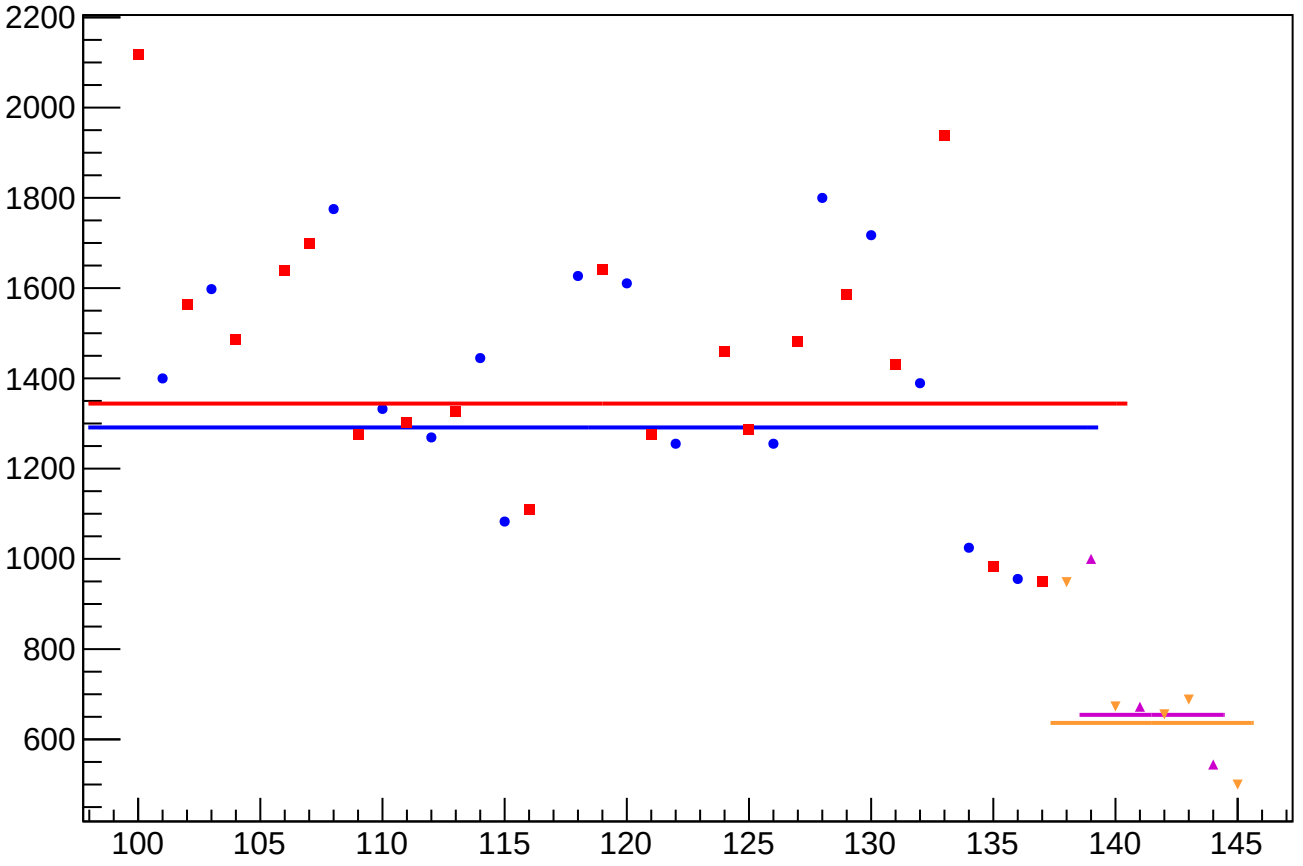
Left In: -416.967+/-417.122 χ^2/NDF:2.5/2

+ sign -586.436+/-279.824 χ^2/NDF: 29.4/20

All: -618.138+/-210.834 χ^2/NDF: 44.5/42

- sign -659.767+/-320.659 χ^2/NDF: 15.1/21

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

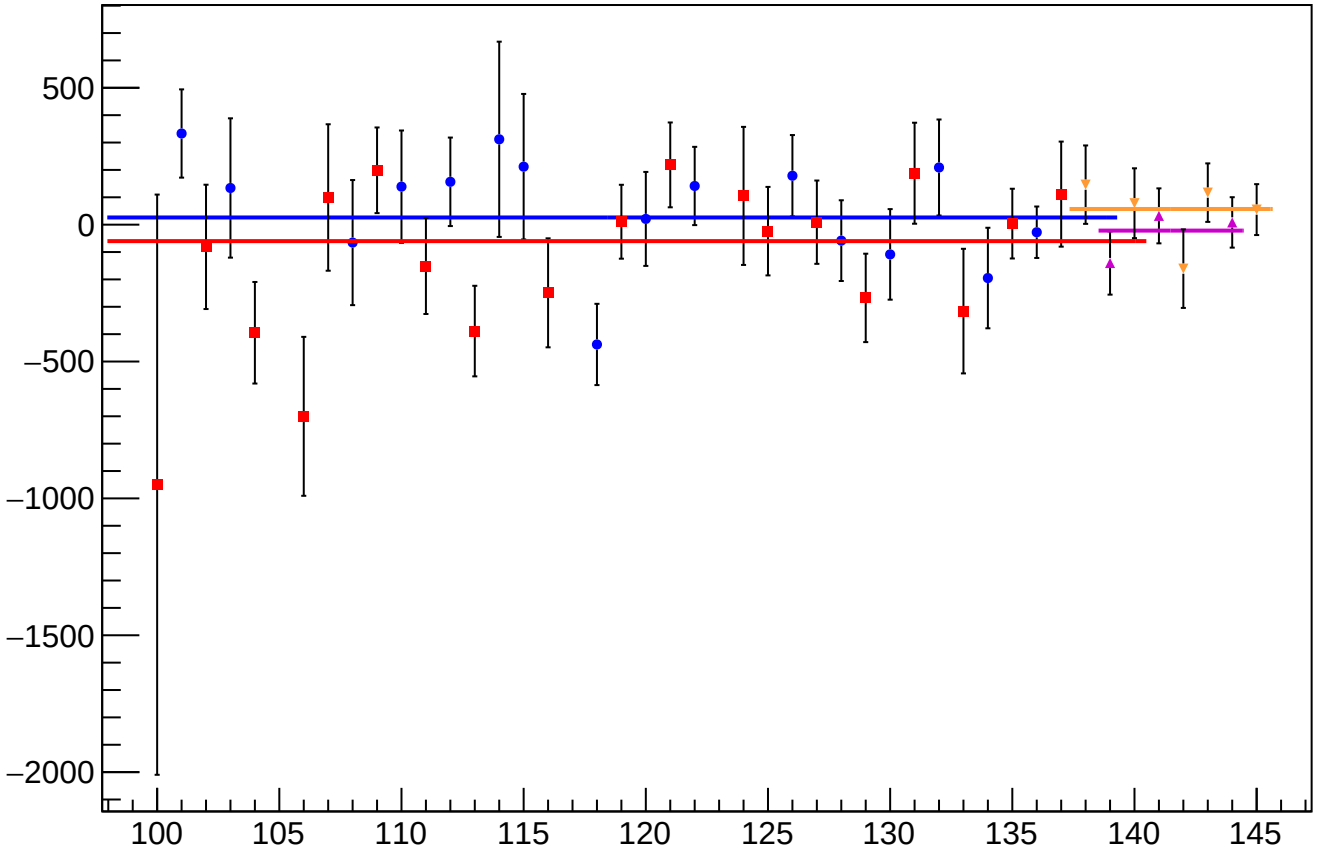
Left In: 654.389+/-0.295 χ^2/NDF:274149.0/2

+ sign 847.193+/-0.198 χ^2/NDF: 3302048.2/20

All: 885.807+/-0.149 χ^2/NDF: 6392040.4/42

- sign 936.514+/-0.227 χ^2/NDF: 3001895.5/21

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

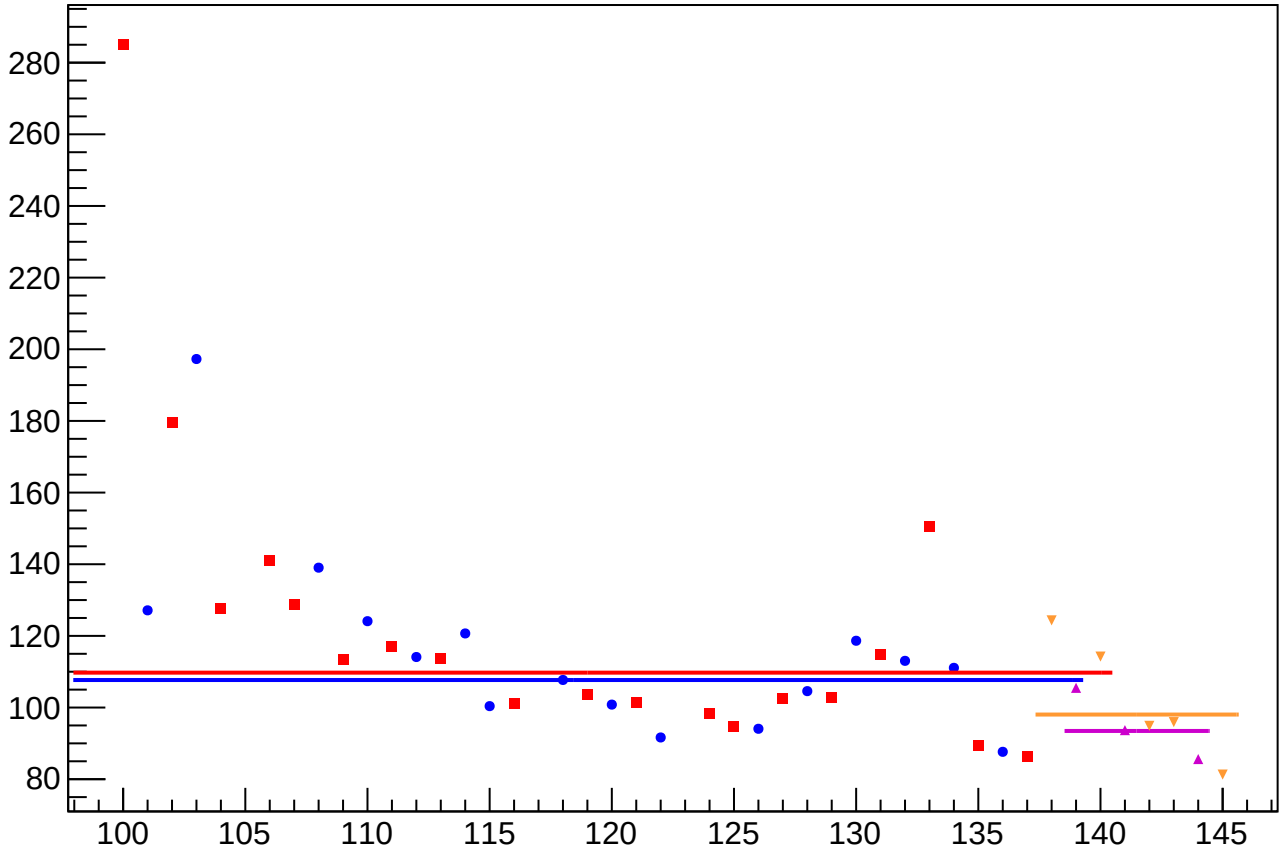
Left In: -21.680+/-58.530 χ^2/NDF:1.4/2

+ sign 38.074+/-32.434 χ^2/NDF: 24.6/20

All: -2.741+/-23.425 χ^2/NDF: 56.7/42

- sign -47.247+/-33.869 χ^2/NDF: 28.7/21

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

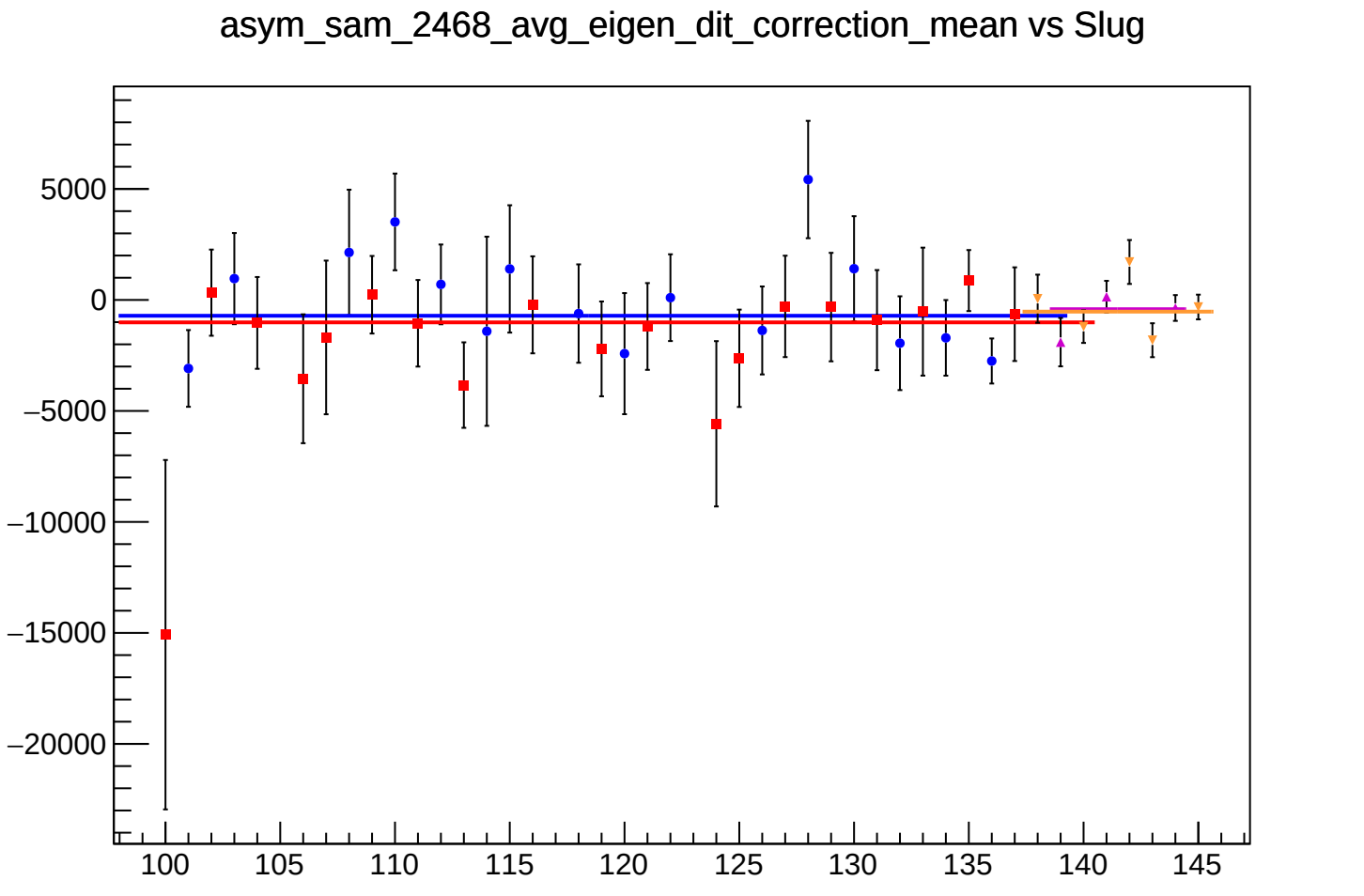
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.464+/-0.041 χ^2/NDF:36197.5/2

+ sign 104.010+/-0.023 χ^2/NDF: 690944.9/20

All: 104.143+/-0.017 χ^2/NDF: 1321856.8/42

- sign 104.289+/-0.024 χ^2/NDF: 630840.9/21



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -526.430+/-339.793 χ^2/NDF:9.2/4

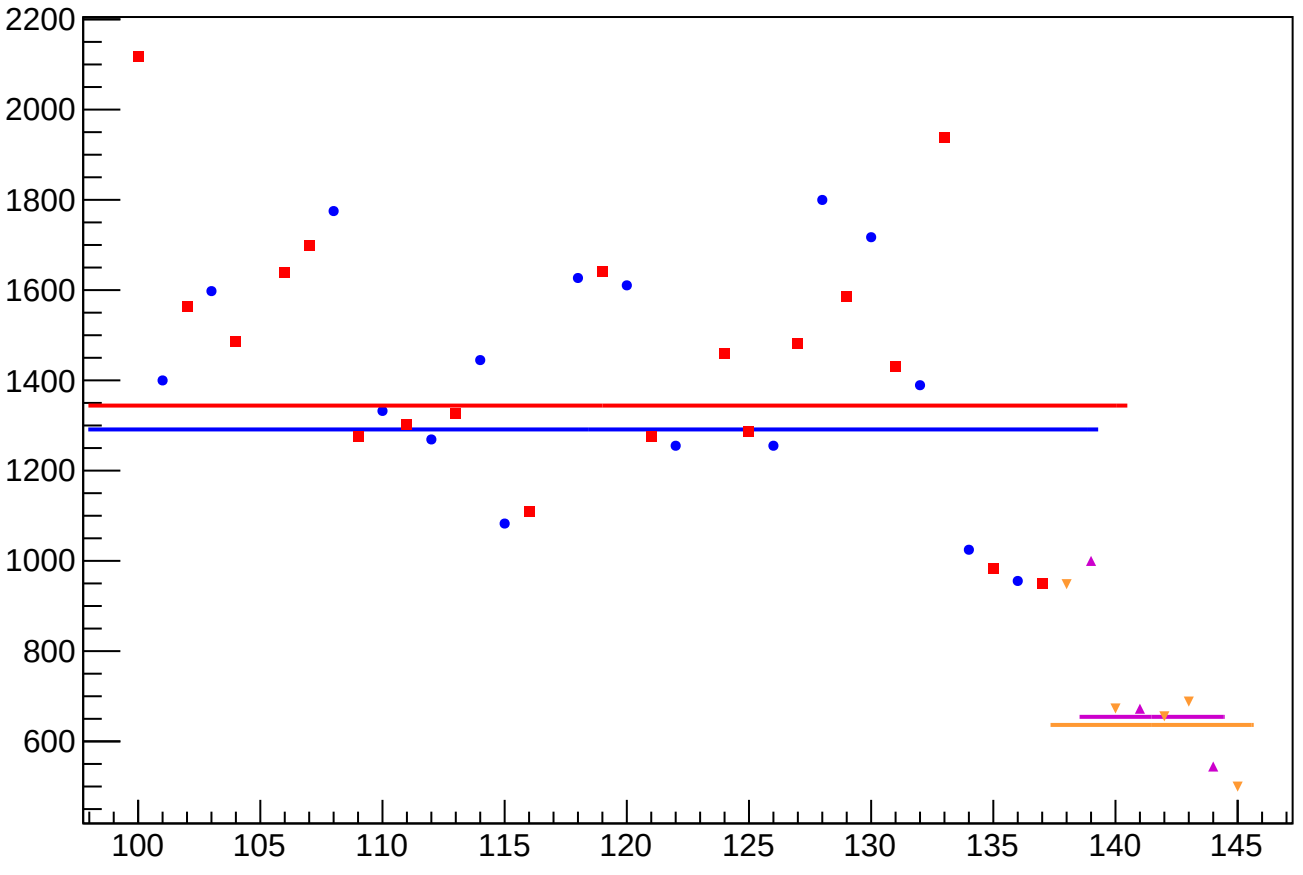
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -416.968+/-417.121 χ^2/NDF:2.5/2

+ sign -586.436+/-279.823 χ^2/NDF: 29.4/20

All: -618.138+/-210.833 χ^2/NDF: 44.5/42

- sign -659.767+/-320.658 χ^2/NDF: 15.1/21



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

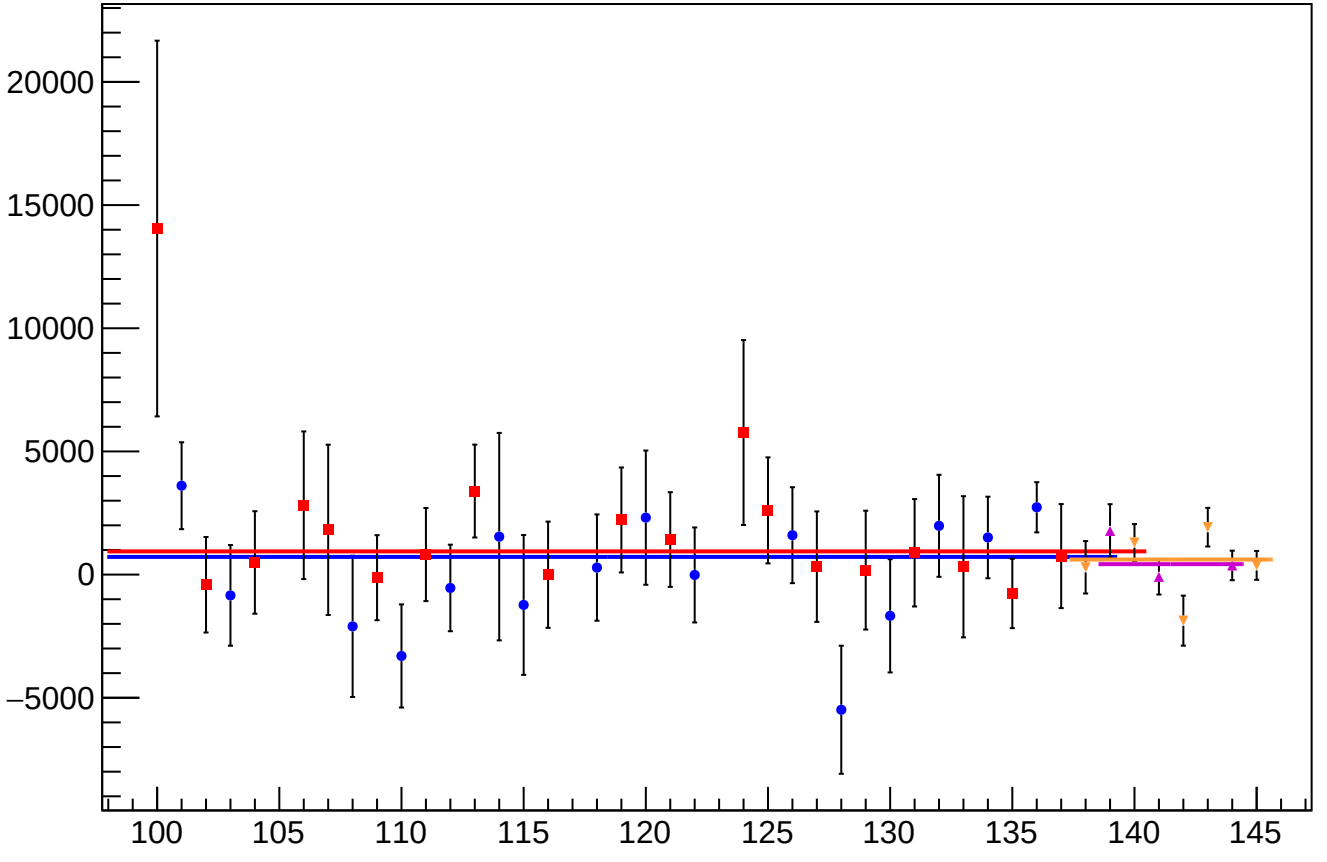
Left In: 654.388+/-0.295 χ^2/NDF:274147.7/2

+ sign 847.191+/-0.198 χ^2/NDF: 3302052.2/20

All: 885.805+/-0.149 χ^2/NDF: 6392042.8/42

- sign 936.512+/-0.227 χ^2/NDF: 3001892.9/21

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

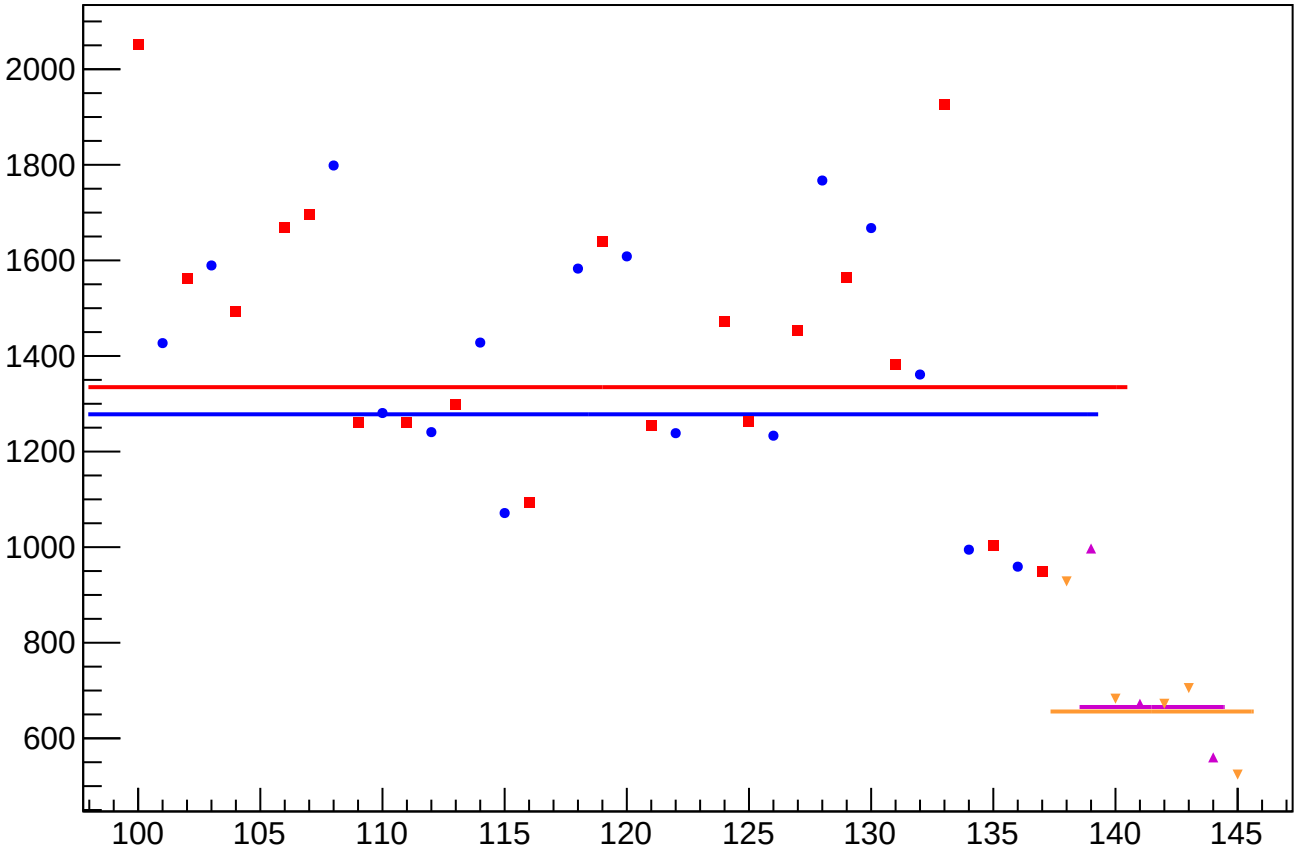
Left In: 423.694+/-423.497 χ^2/NDF:2.1/2

\+ sign 647.514+/-284.337 χ^2/NDF: 30.9/20

All: 644.805+/-213.317 χ^2/NDF: 44.2/42

\- sign 641.317+/-322.630 χ^2/NDF: 13.3/21

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

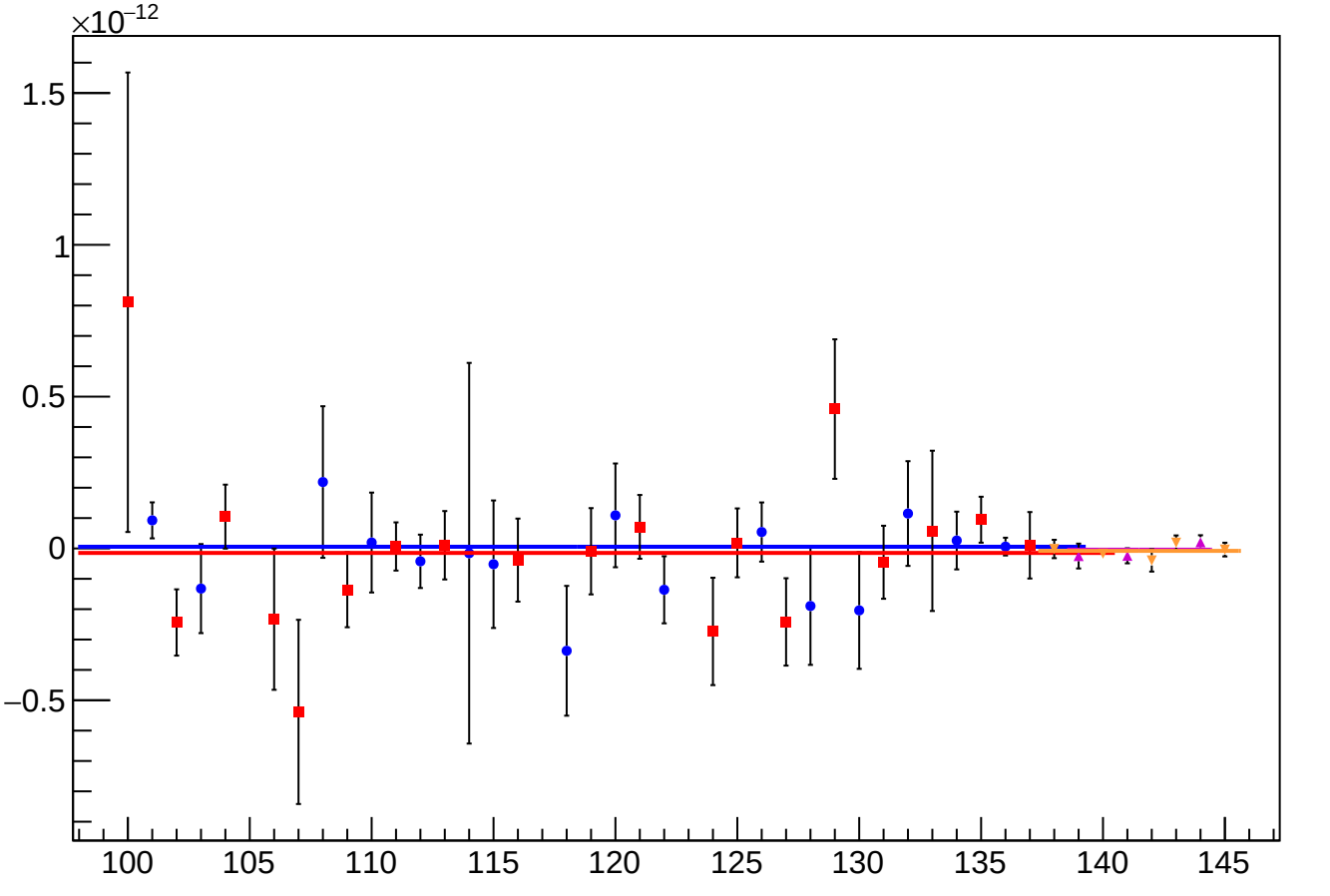
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 665.569+/-0.299 χ^2/NDF:248567.0/2

+ sign 867.029+/-0.201 χ^2/NDF: 2984901.2/20

All: 901.720+/-0.151 χ^2/NDF: 5869077.0/42

- sign 946.384+/-0.228 χ^2/NDF: 2816074.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/4

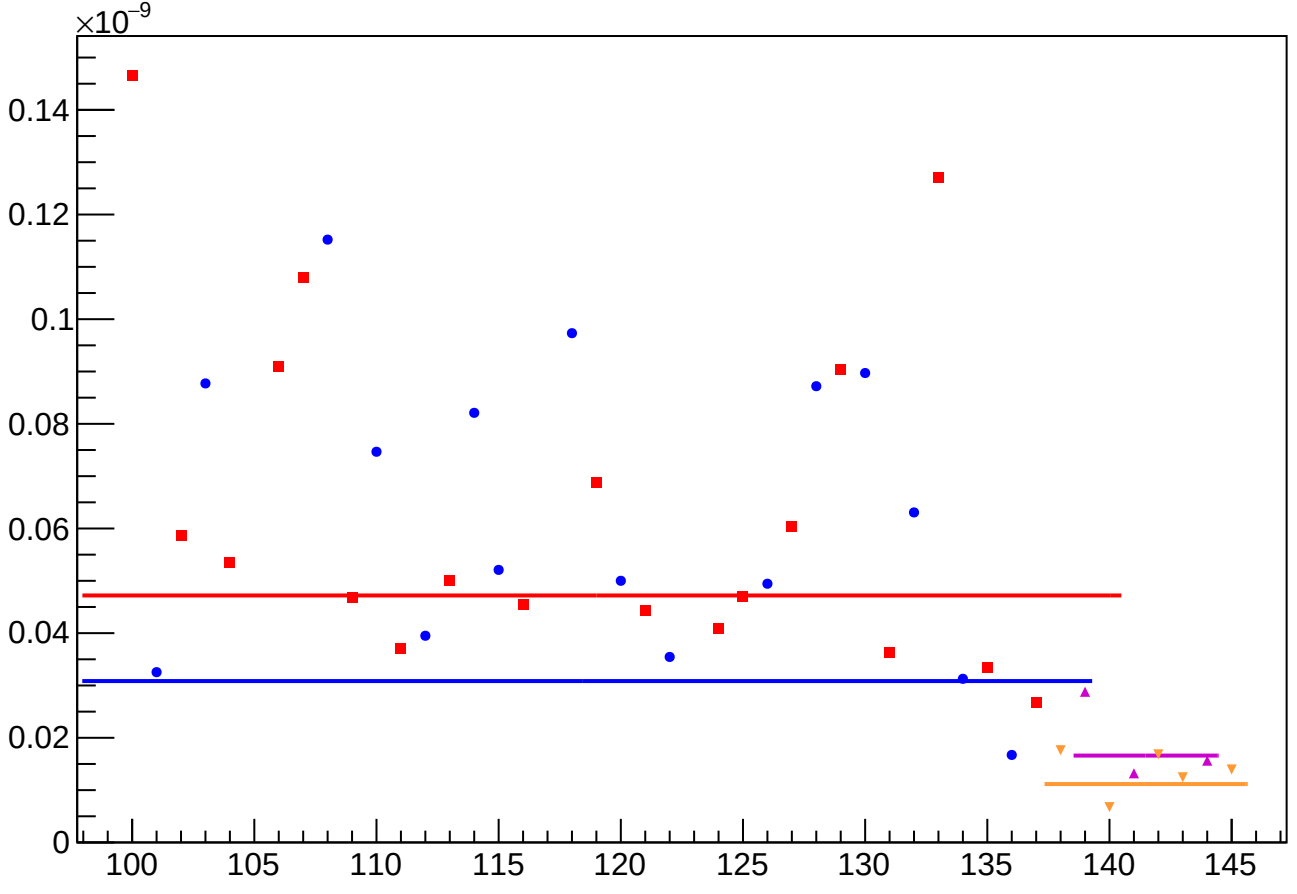
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/20

All: -0.000+/-0.000 χ^2/NDF: 40.3/42

- sign -0.000+/-0.000 χ^2/NDF: 25.9/21



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

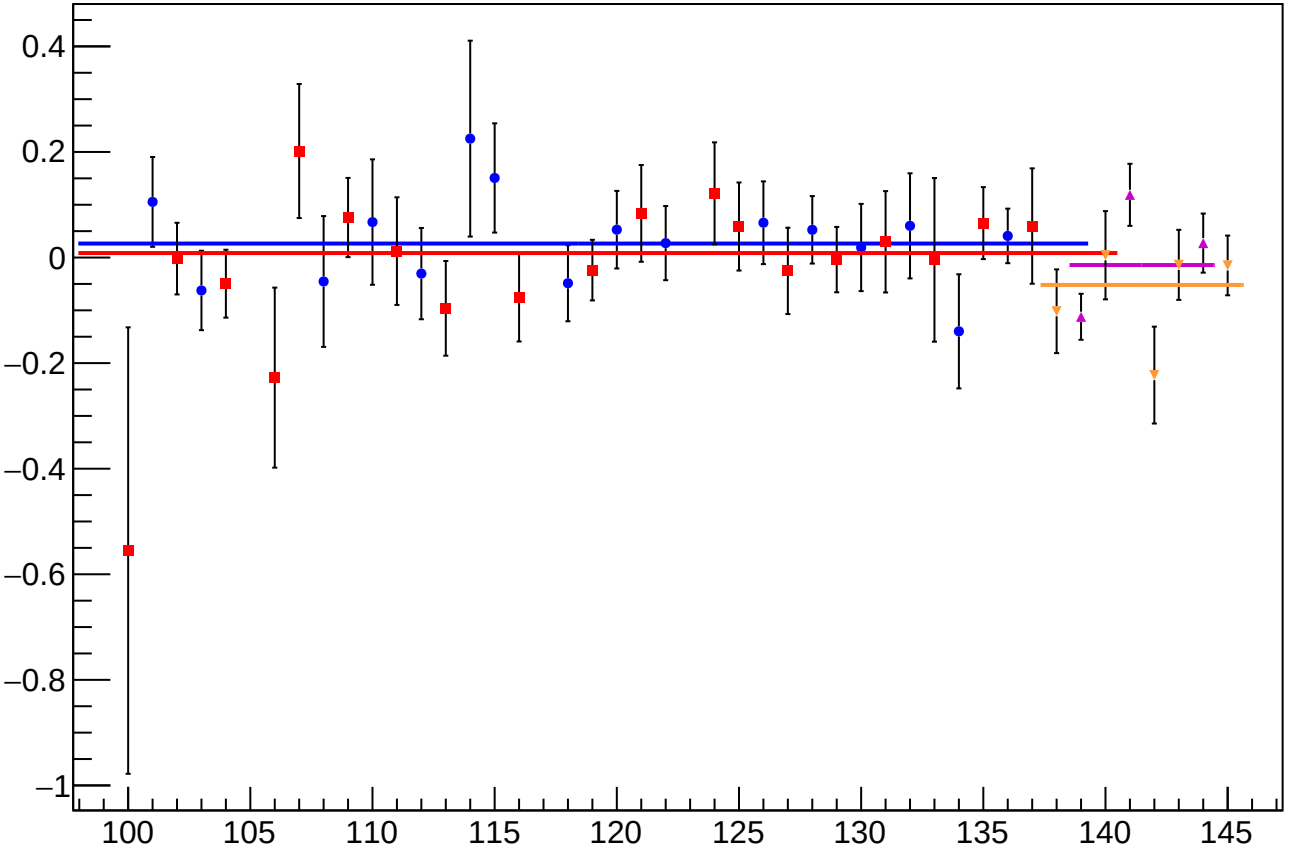
Left In: 0.000+/-0.000 χ^2/NDF:218594.3/2

+ sign 0.000+/-0.000 χ^2/NDF: 3623996.1/20

All: 0.000+/-0.000 χ^2/NDF: 6916663.0/42

- sign 0.000+/-0.000 χ^2/NDF: 2699870.5/21

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



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

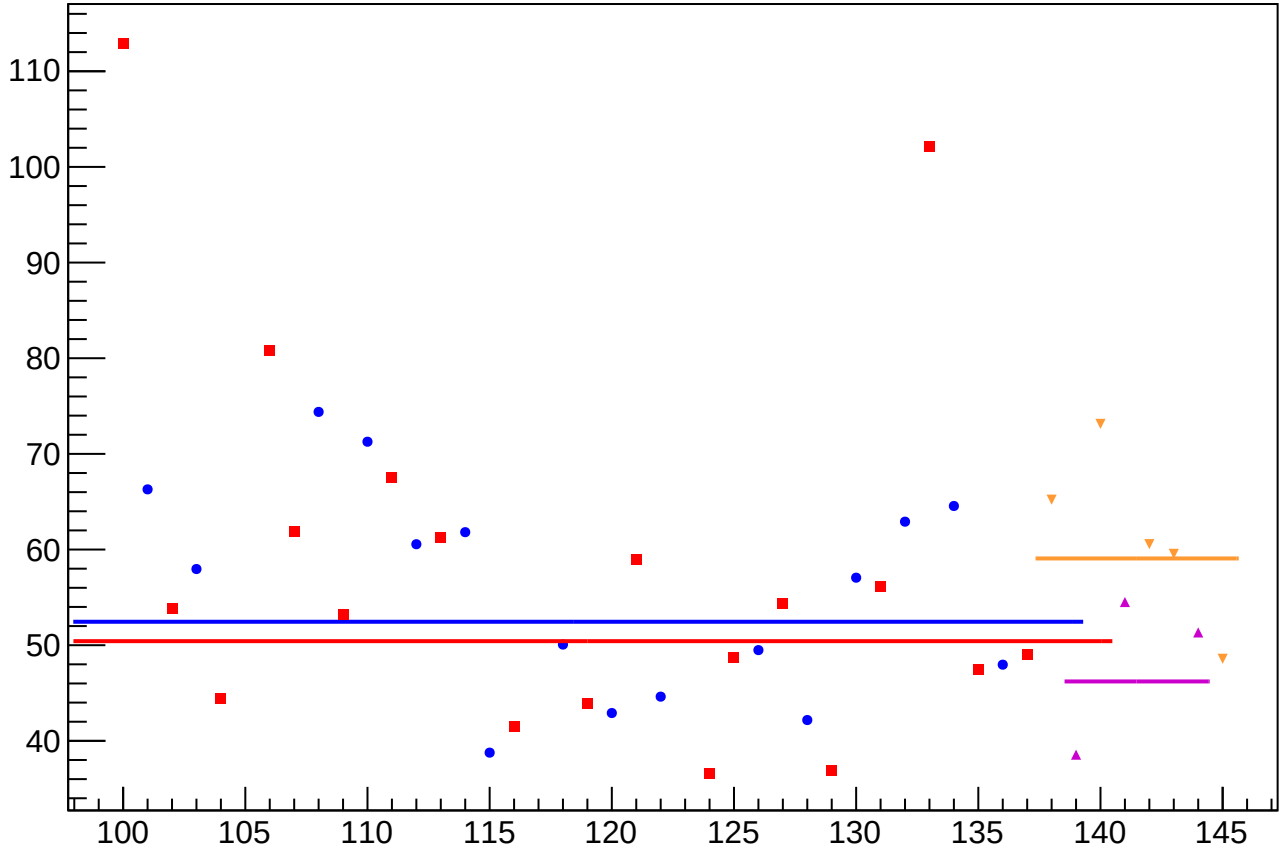
Left In: -0.014+/-0.030 χ^2/NDF:10.7/2

+ sign 0.004+/-0.017 χ^2/NDF: 19.2/20

All: 0.003+/-0.012 χ^2/NDF: 44.3/42

- sign 0.002+/-0.016 χ^2/NDF: 25.1/21

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

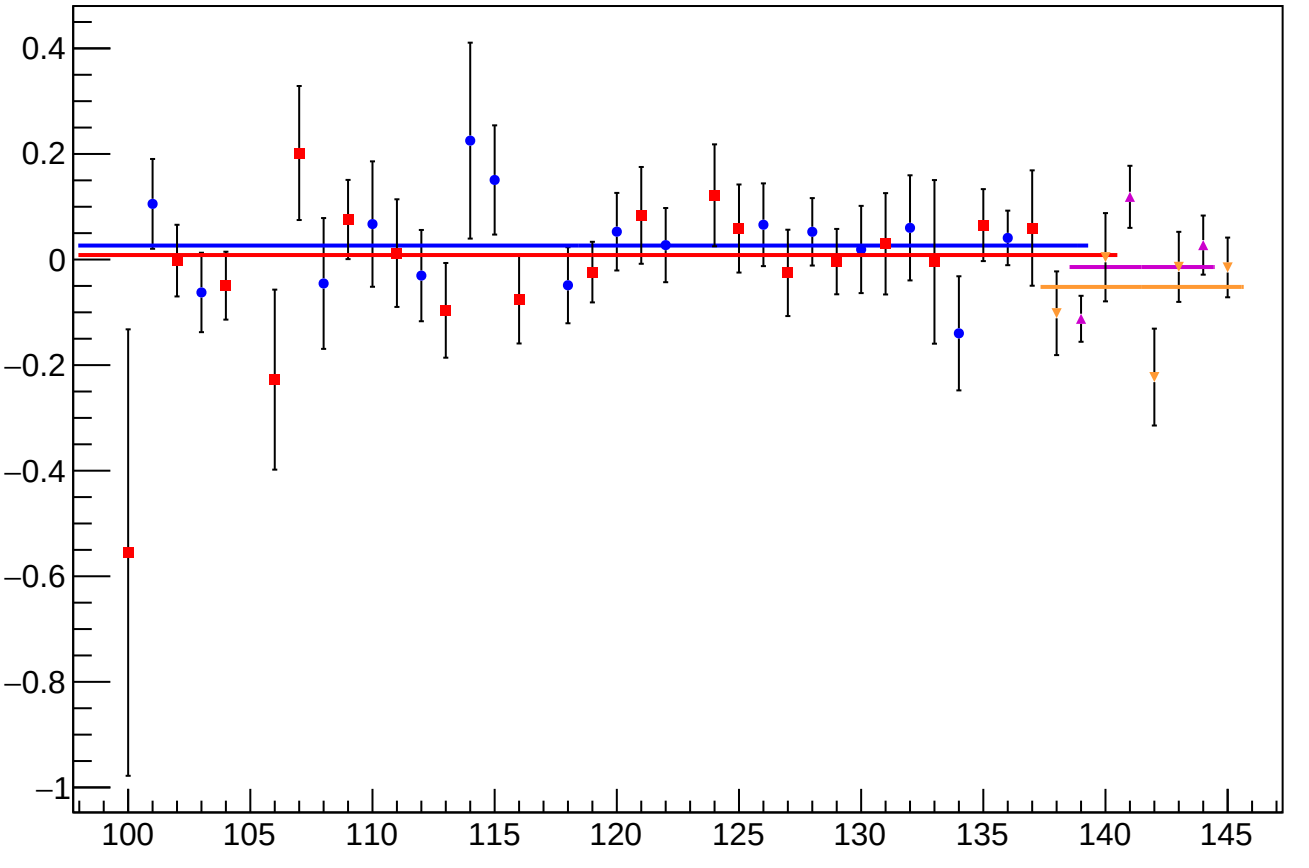
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 46.211+/-0.021 χ^2/NDF:118426.3/2

+ sign 54.341+/-0.012 χ^2/NDF: 616165.6/20

All: 51.599+/-0.008 χ^2/NDF: 1535123.0/42

- sign 49.155+/-0.012 χ^2/NDF: 823331.6/21



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

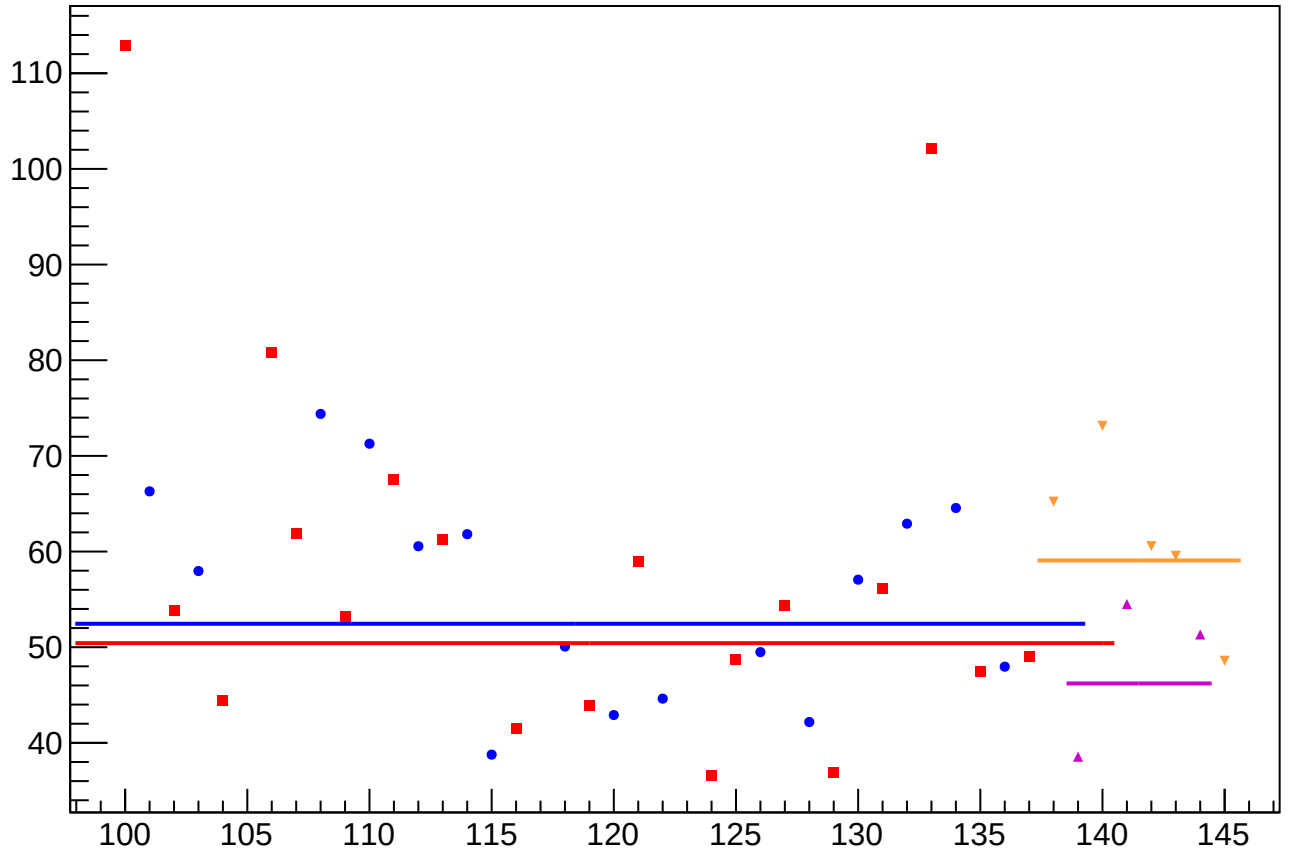
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.030 χ^2/NDF:10.7/2

+ sign 0.004+/-0.017 χ^2/NDF: 19.2/20

All: 0.003+/-0.012 χ^2/NDF: 44.3/42

- sign 0.002+/-0.016 χ^2/NDF: 25.1/21



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 59.069+/-0.023 χ^2/NDF:138041.3/4

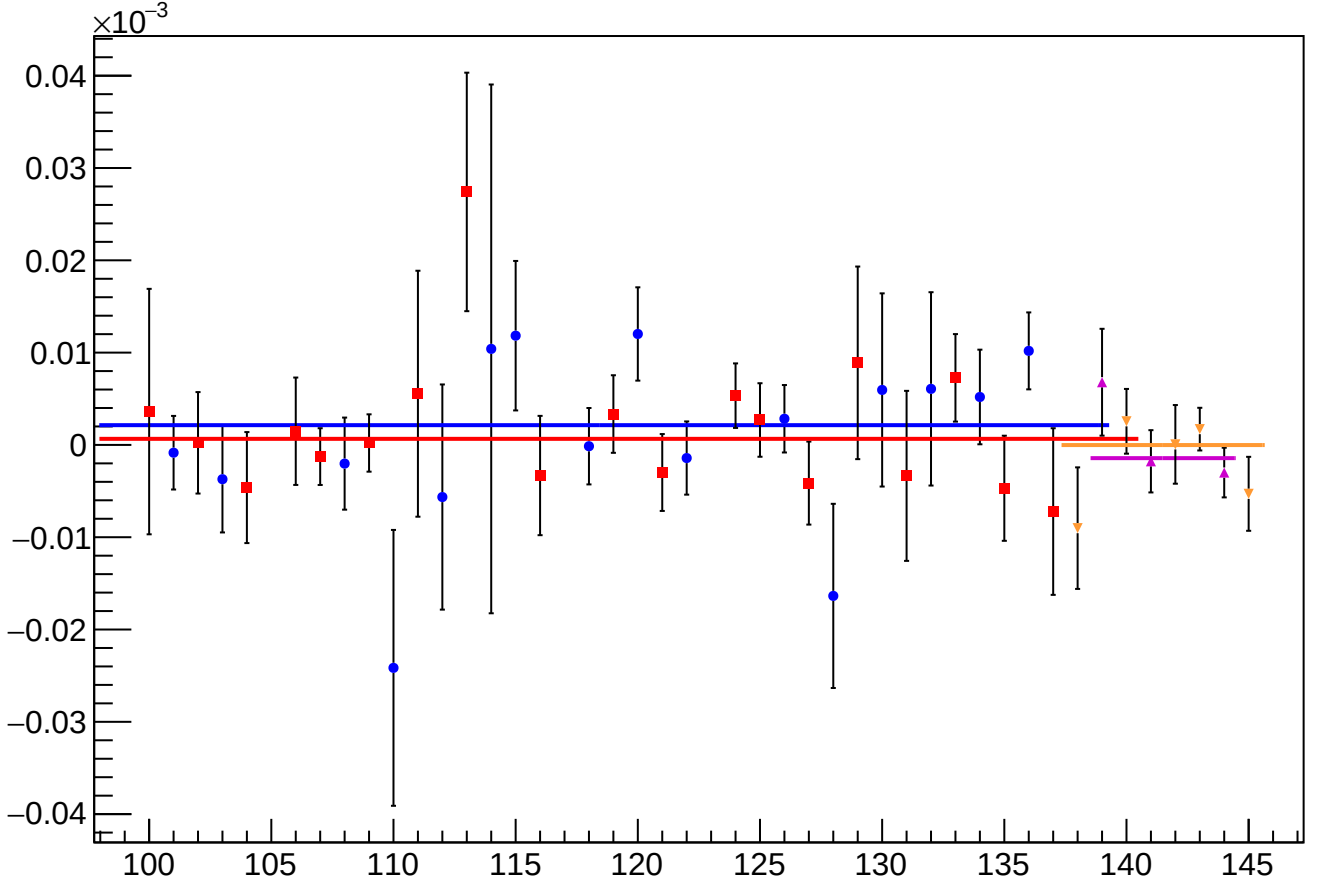
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 46.211+/-0.021 χ^2/NDF:118426.3/2

+ sign 54.341+/-0.012 χ^2/NDF: 616165.6/20

All: 51.599+/-0.008 χ^2/NDF: 1535123.0/42

- sign 49.155+/-0.012 χ^2/NDF: 823331.6/21



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

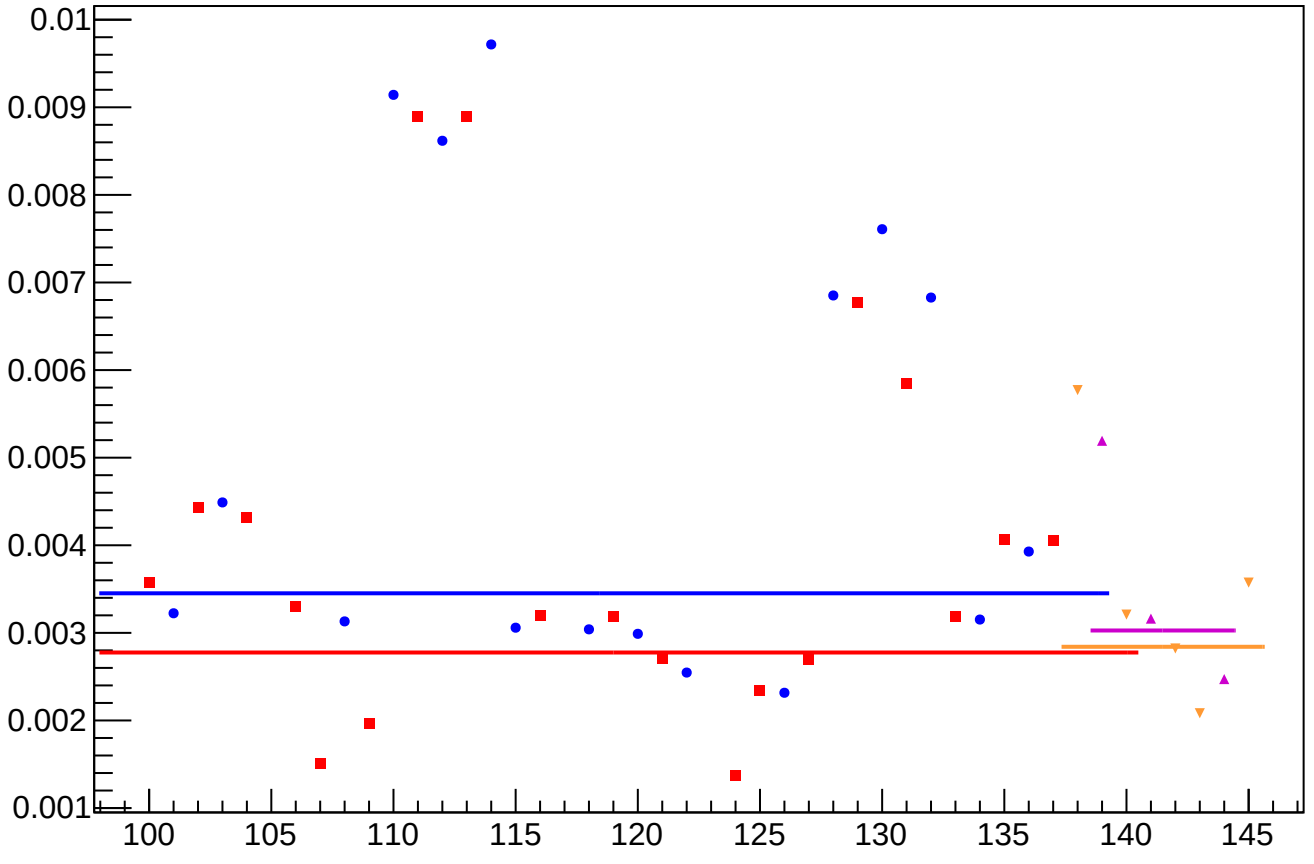
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/20

All: 0.000+/-0.000 χ^2/NDF: 44.4/42

- sign 0.000+/-0.000 χ^2/NDF: 18.0/21



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:700548.2/4

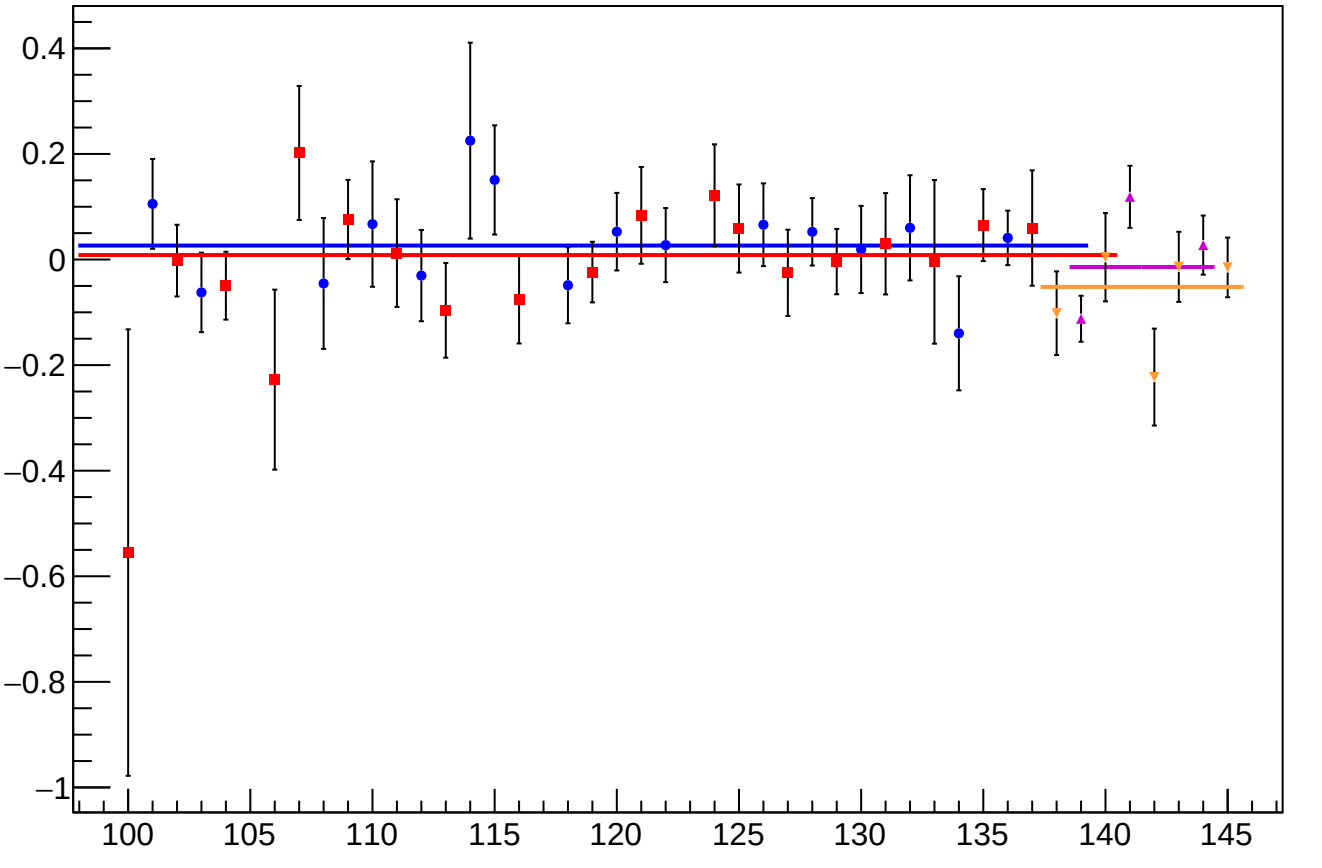
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:368308.1/2

+ sign 0.003+/-0.000 χ^2/NDF: 2822441.3/20

All: 0.003+/-0.000 χ^2/NDF: 6064572.2/42

- sign 0.003+/-0.000 χ^2/NDF: 3127424.8/21



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

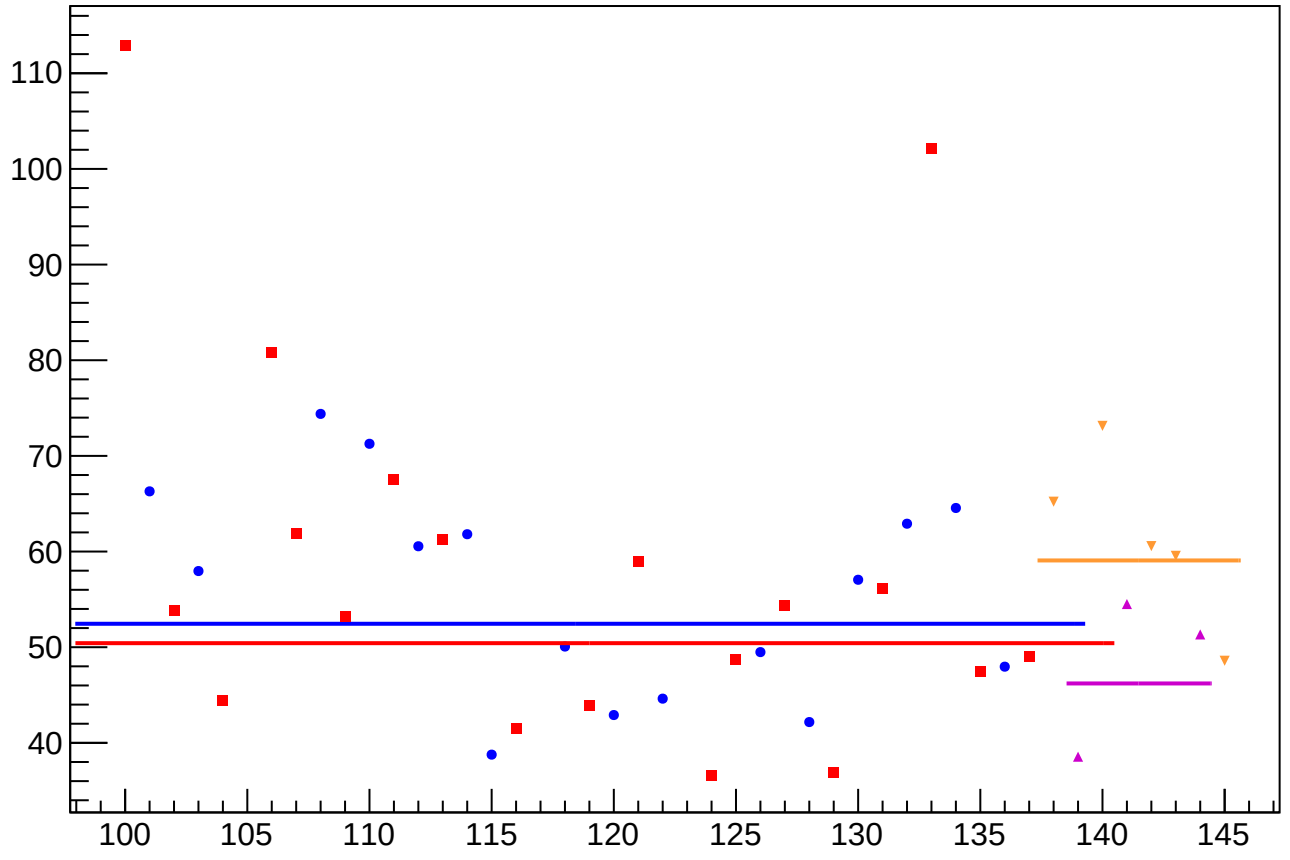
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.030 χ^2/NDF:10.7/2

+ sign 0.004+/-0.017 χ^2/NDF: 19.2/20

All: 0.003+/-0.012 χ^2/NDF: 44.3/42

- sign 0.002+/-0.016 χ^2/NDF: 25.1/21



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 59.070+/-0.023 χ^2/NDF:138010.1/4

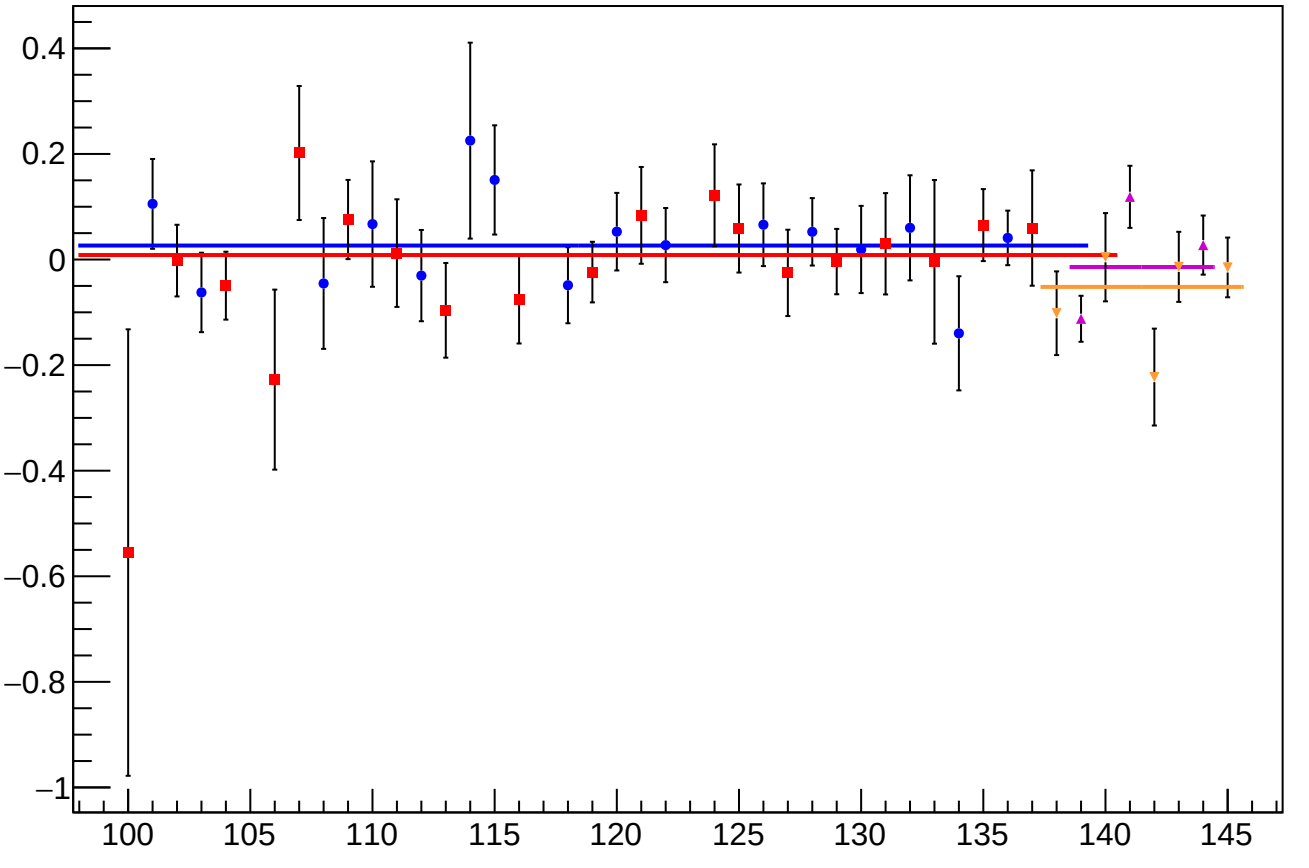
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 46.211+/-0.021 χ^2/NDF:118451.1/2

+ sign 54.340+/-0.012 χ^2/NDF: 616121.1/20

All: 51.599+/-0.008 χ^2/NDF: 1535105.8/42

- sign 49.154+/-0.012 χ^2/NDF: 823351.8/21



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

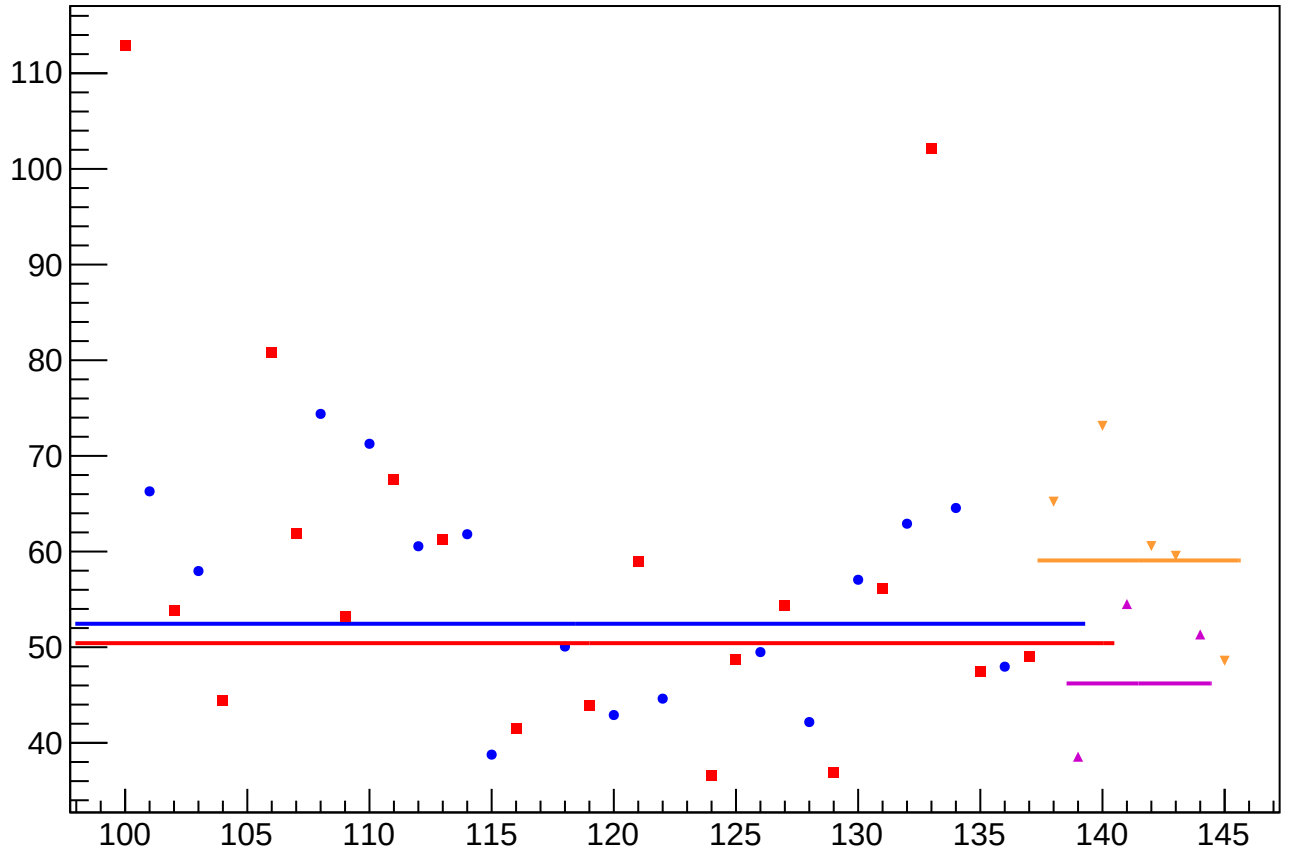
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.030 χ^2/NDF:10.7/2

+ sign 0.004+/-0.017 χ^2/NDF: 19.2/20

All: 0.003+/-0.012 χ^2/NDF: 44.3/42

- sign 0.002+/-0.016 χ^2/NDF: 25.1/21



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 59.070+/-0.023 χ^2/NDF:138010.1/4

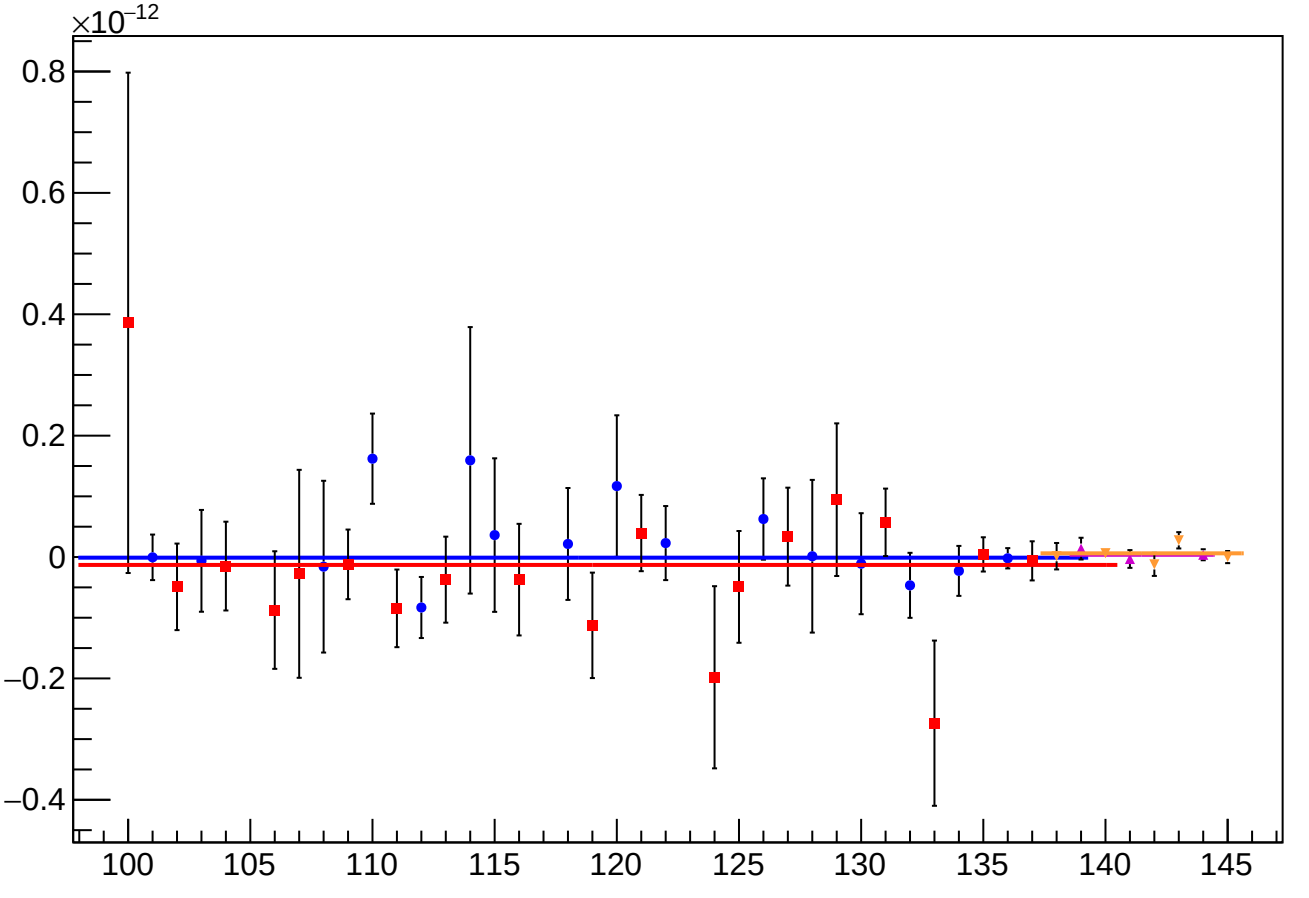
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 46.211+/-0.021 χ^2/NDF:118451.1/2

+ sign 54.340+/-0.012 χ^2/NDF: 616121.1/20

All: 51.599+/-0.008 χ^2/NDF: 1535105.8/42

- sign 49.154+/-0.012 χ^2/NDF: 823351.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/4

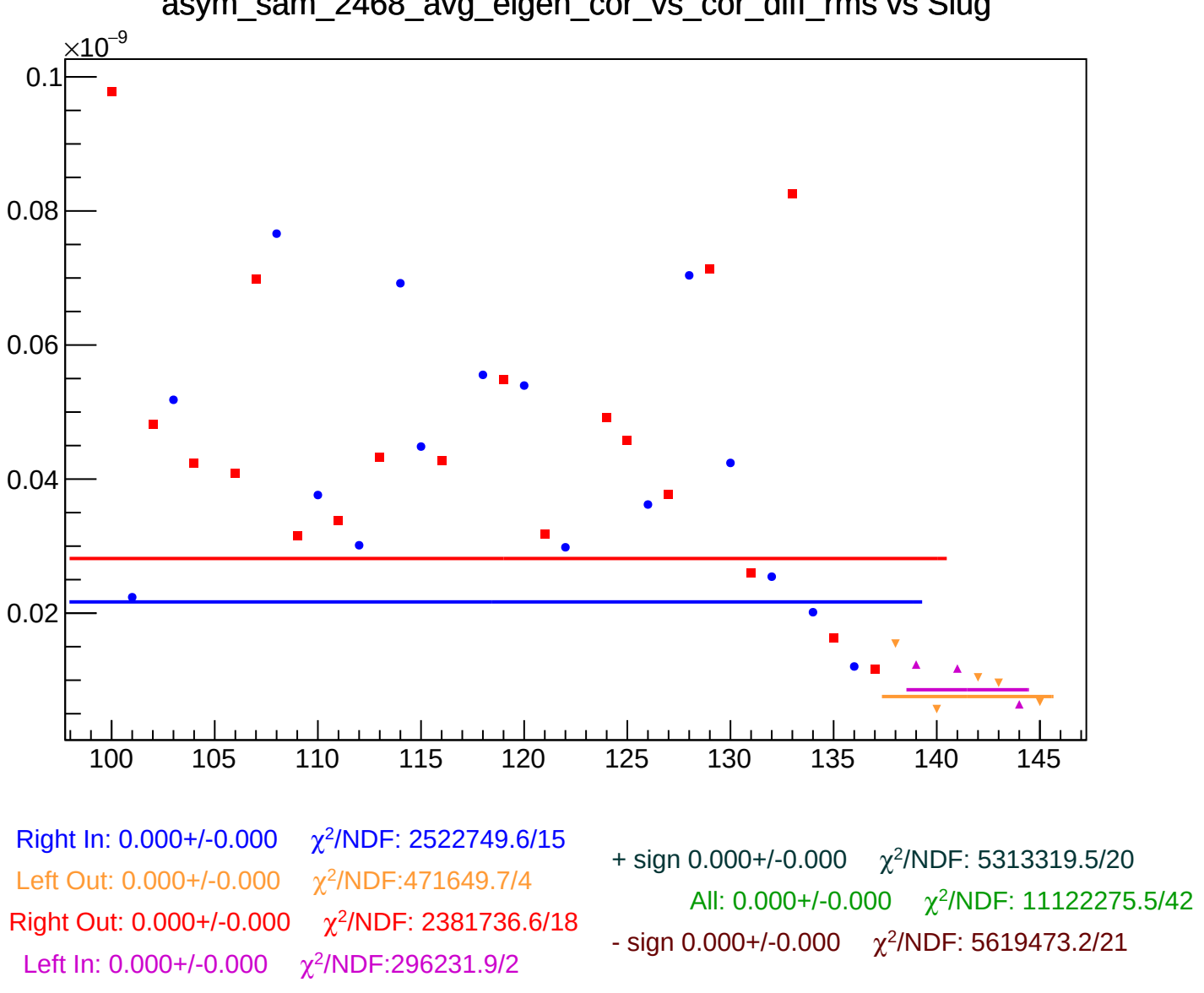
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/2

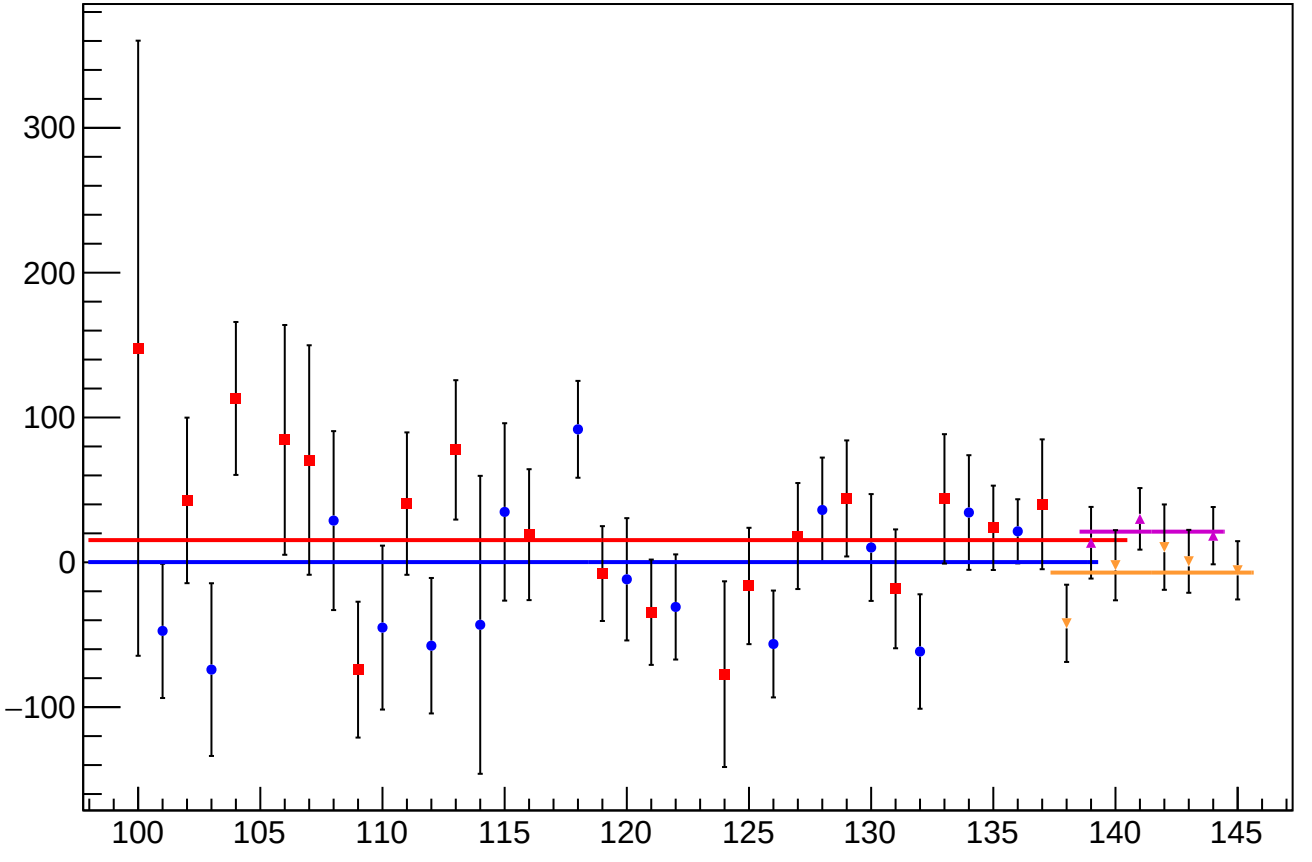
+ sign 0.000+/-0.000 χ^2/NDF: 15.5/20

All: 0.000+/-0.000 χ^2/NDF: 31.1/42

- sign 0.000+/-0.000 χ^2/NDF: 15.3/21


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
105
110
115
120
125
130
135
140
145
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:296231.9/2
+ sign 0.000+/-0.000 χ²/NDF: 5313319.5/20
All: 0.000+/-0.000 χ²/NDF: 11122275.5/42
- sign 0.000+/-0.000 χ²/NDF: 5619473.2/21

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

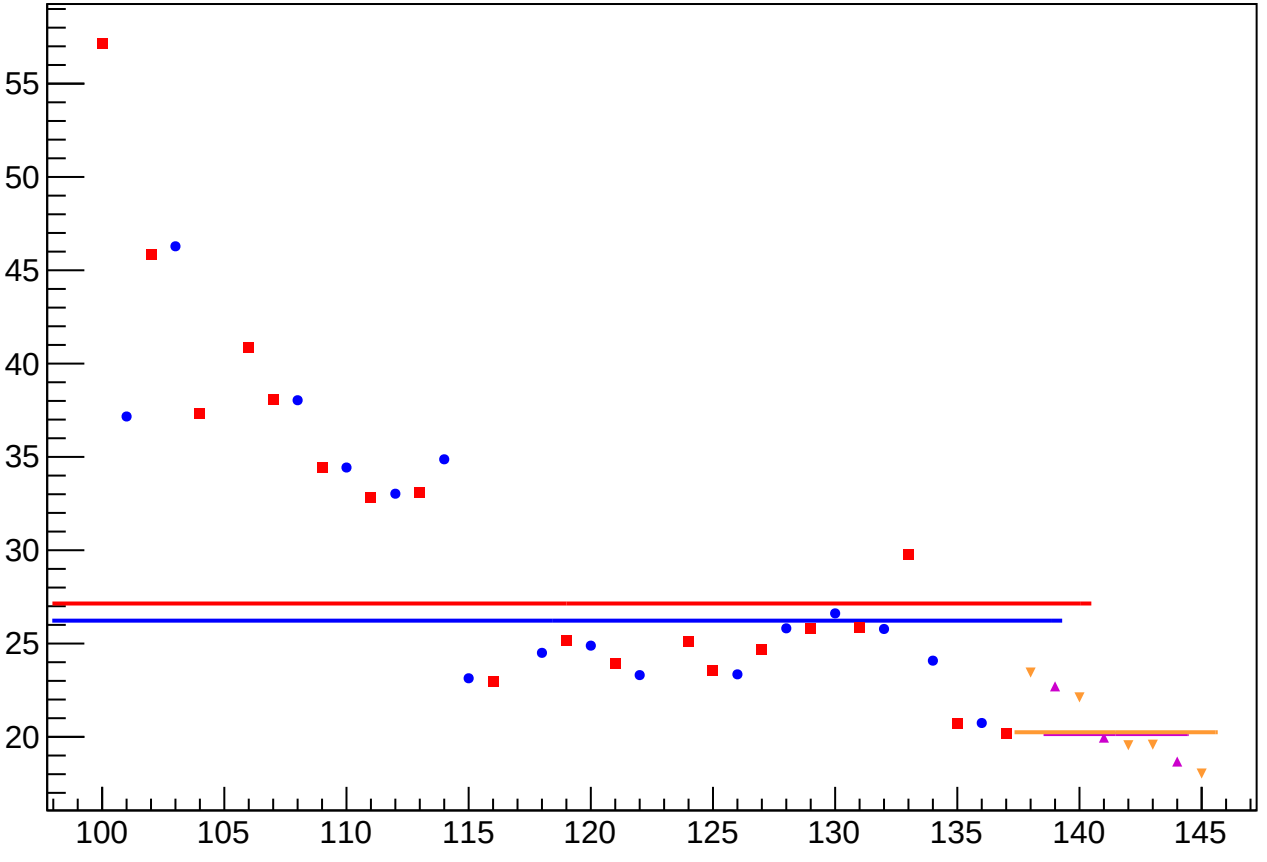
Left In: 21.167+/-12.498 χ^2/NDF:0.3/2

+ sign -3.265+/-7.302 χ^2/NDF: 23.8/20

All: 6.343+/-5.373 χ^2/NDF: 46.0/42

- sign 17.683+/-7.933 χ^2/NDF: 18.4/21

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

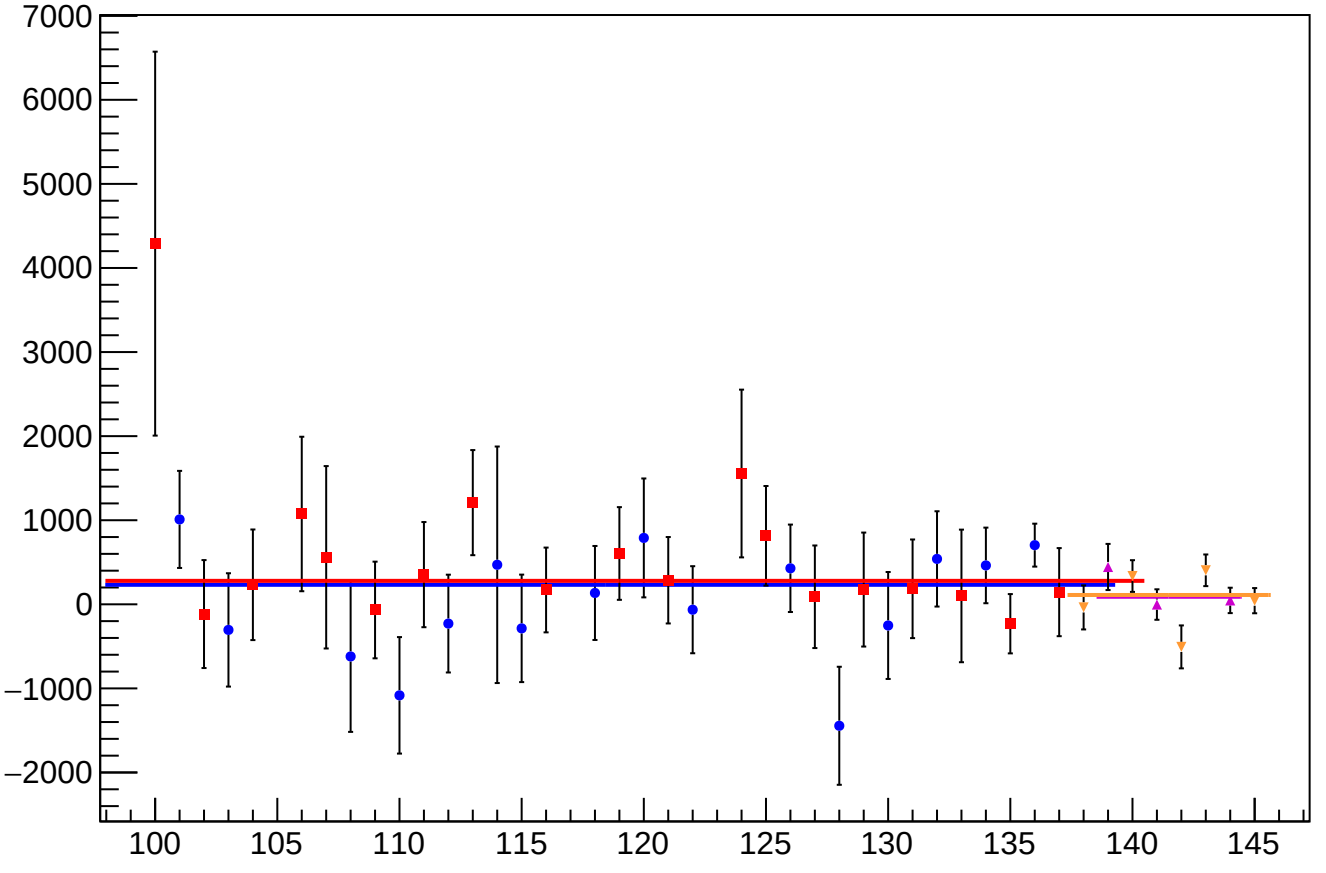
Left In: 20.150+/-0.009 χ^2/NDF:32586.3/2

+ sign 23.406+/-0.005 χ^2/NDF: 1078023.9/20

All: 23.828+/-0.004 χ^2/NDF: 2254753.8/42

- sign 24.327+/-0.006 χ^2/NDF: 1162138.9/21

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

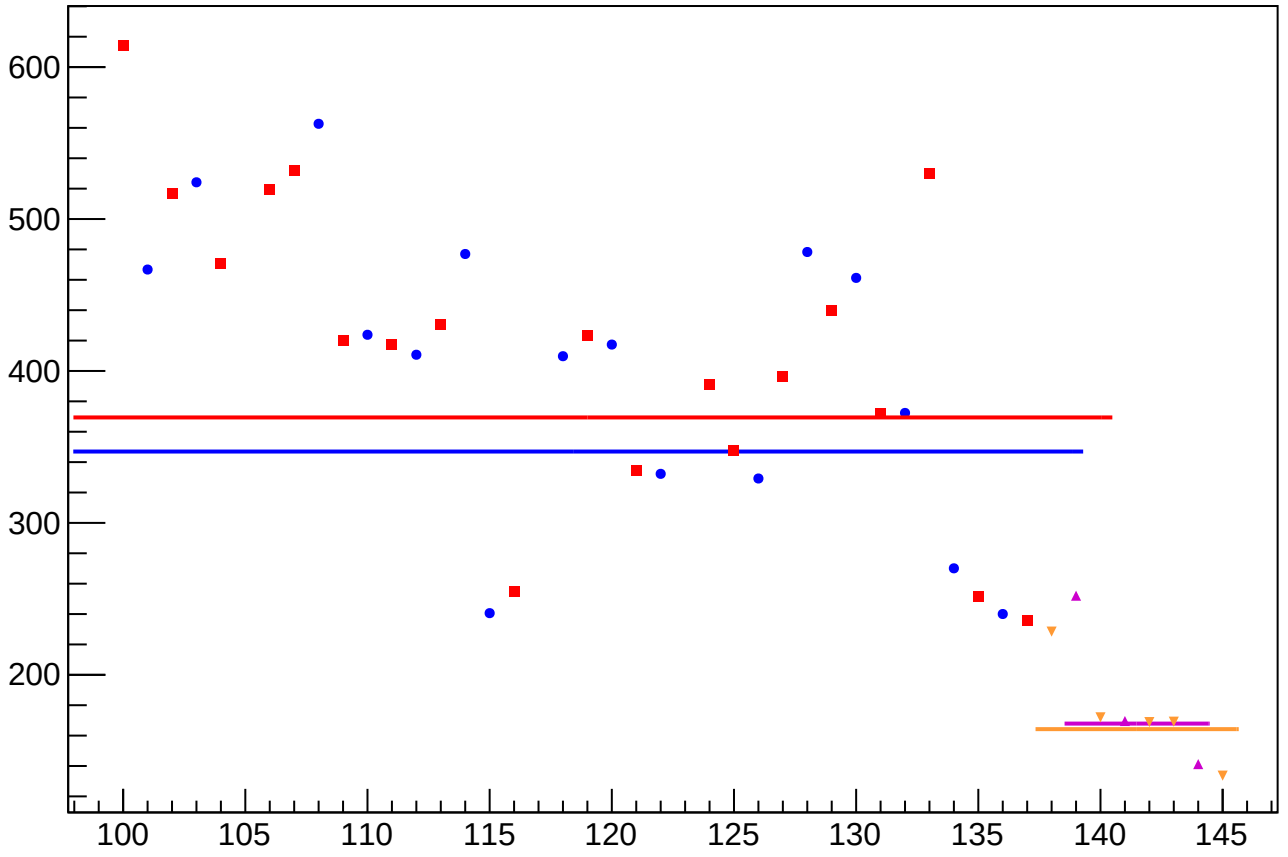
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 89.592+/-106.846 χ^2/NDF:2.0/2

\+ sign 146.781+/-73.356 χ^2/NDF: 30.4/20

All: 152.149+/-55.515 χ^2/NDF: 45.7/42

\- sign 159.344+/-84.928 χ^2/NDF: 15.3/21



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

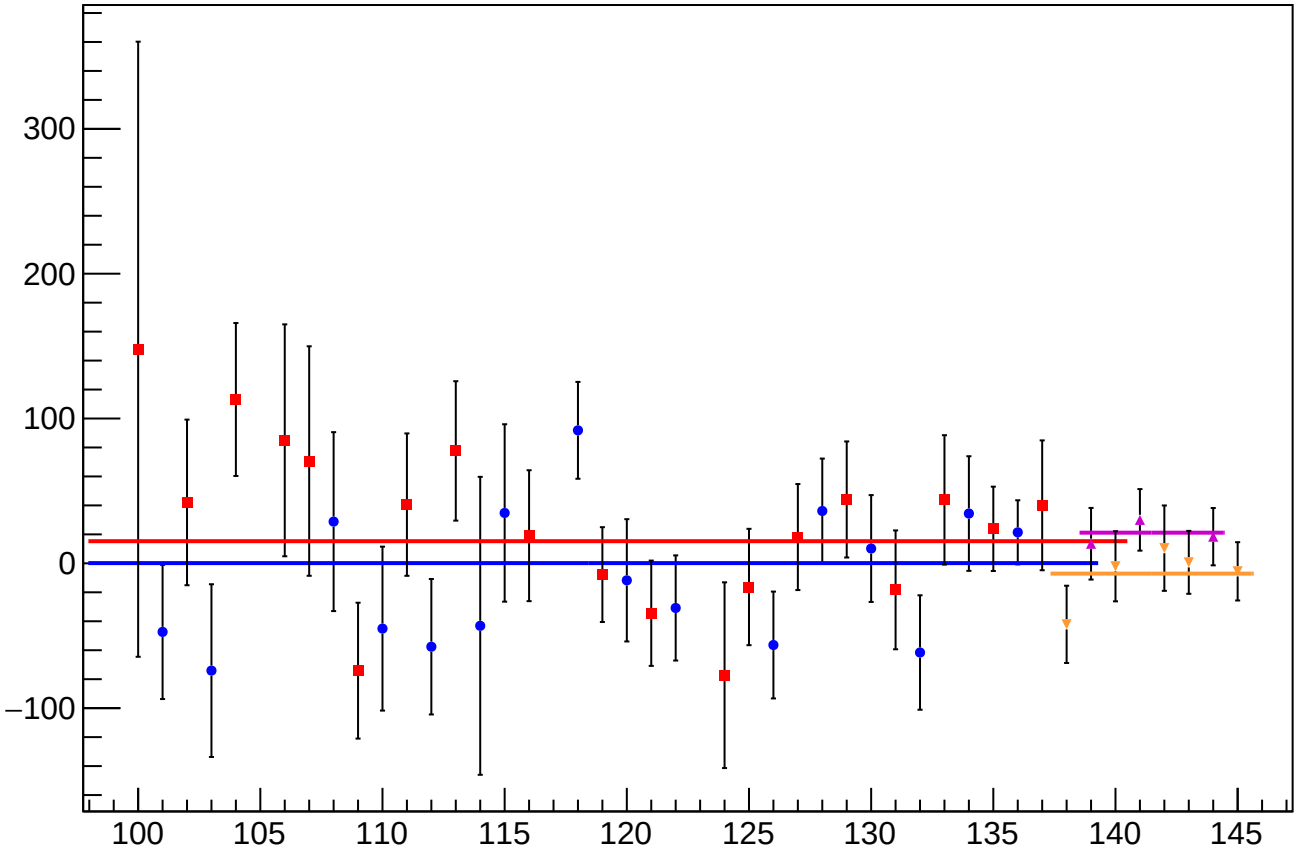
Left In: 167.909+/-0.076 χ^2/NDF:250804.7/2

+ sign 218.306+/-0.052 χ^2/NDF: 3851763.9/20

All: 228.472+/-0.039 χ^2/NDF: 7730334.3/42

- sign 242.098+/-0.060 χ^2/NDF: 3788675.6/21

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

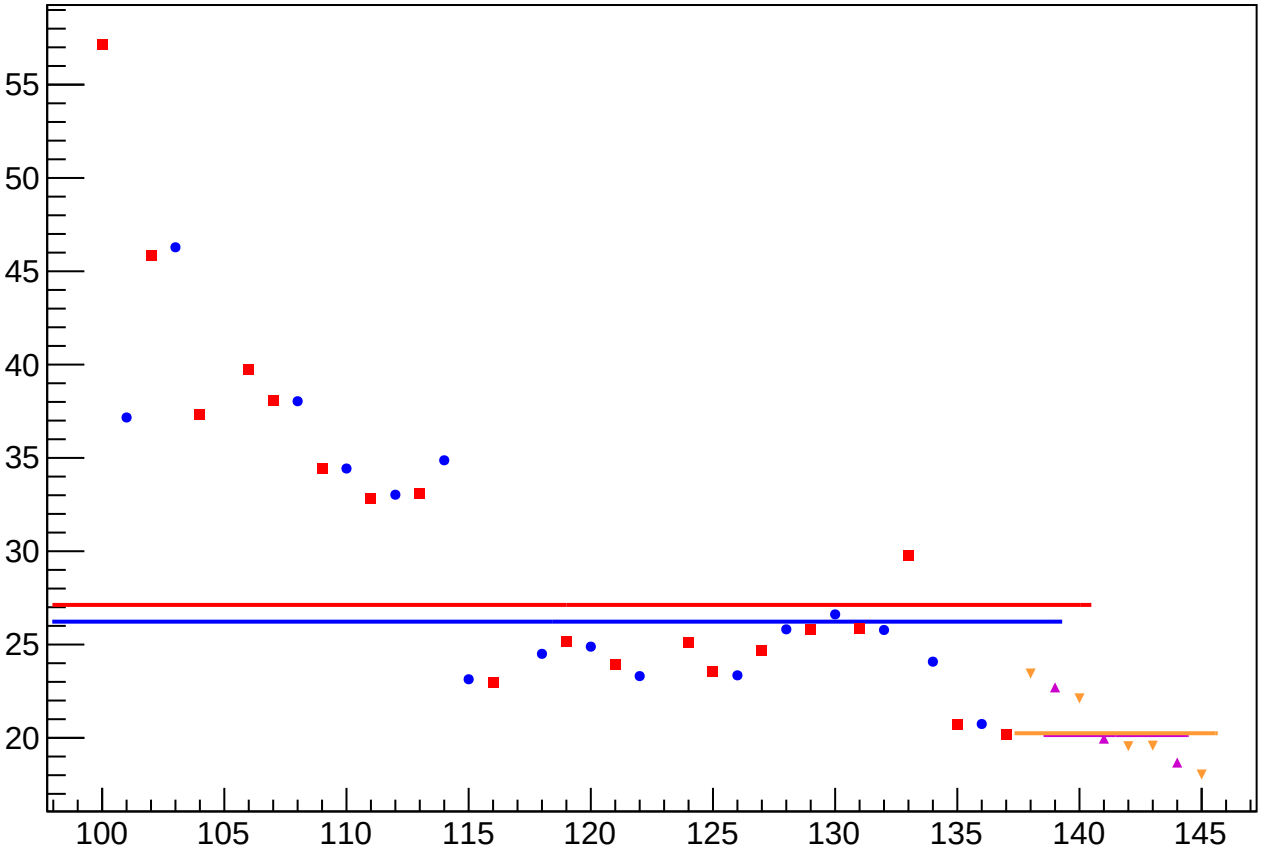
Left In: 21.171+/-12.498 χ^2/NDF:0.3/2

+ sign -3.265+/-7.302 χ^2/NDF: 23.8/20

All: 6.331+/-5.373 χ^2/NDF: 45.9/42

- sign 17.661+/-7.934 χ^2/NDF: 18.4/21

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

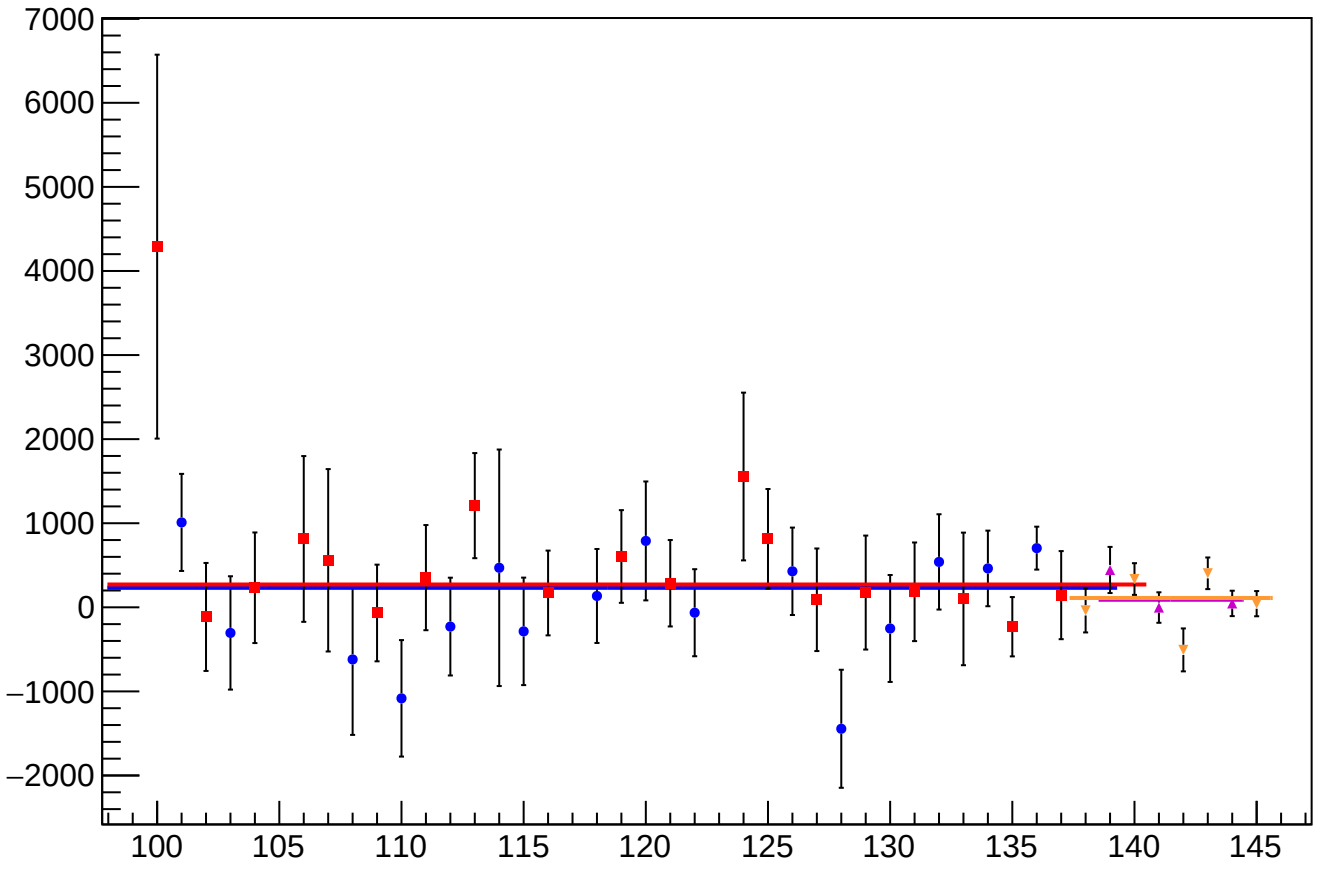
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.150+/-0.009 χ^2/NDF:32586.3/2

+ sign 23.406+/-0.005 χ^2/NDF: 1078027.3/20

All: 23.822+/-0.004 χ^2/NDF: 2242192.4/42

- sign 24.313+/-0.006 χ^2/NDF: 1150004.7/21



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 110.939+/-87.416 χ^2/NDF:10.2/4

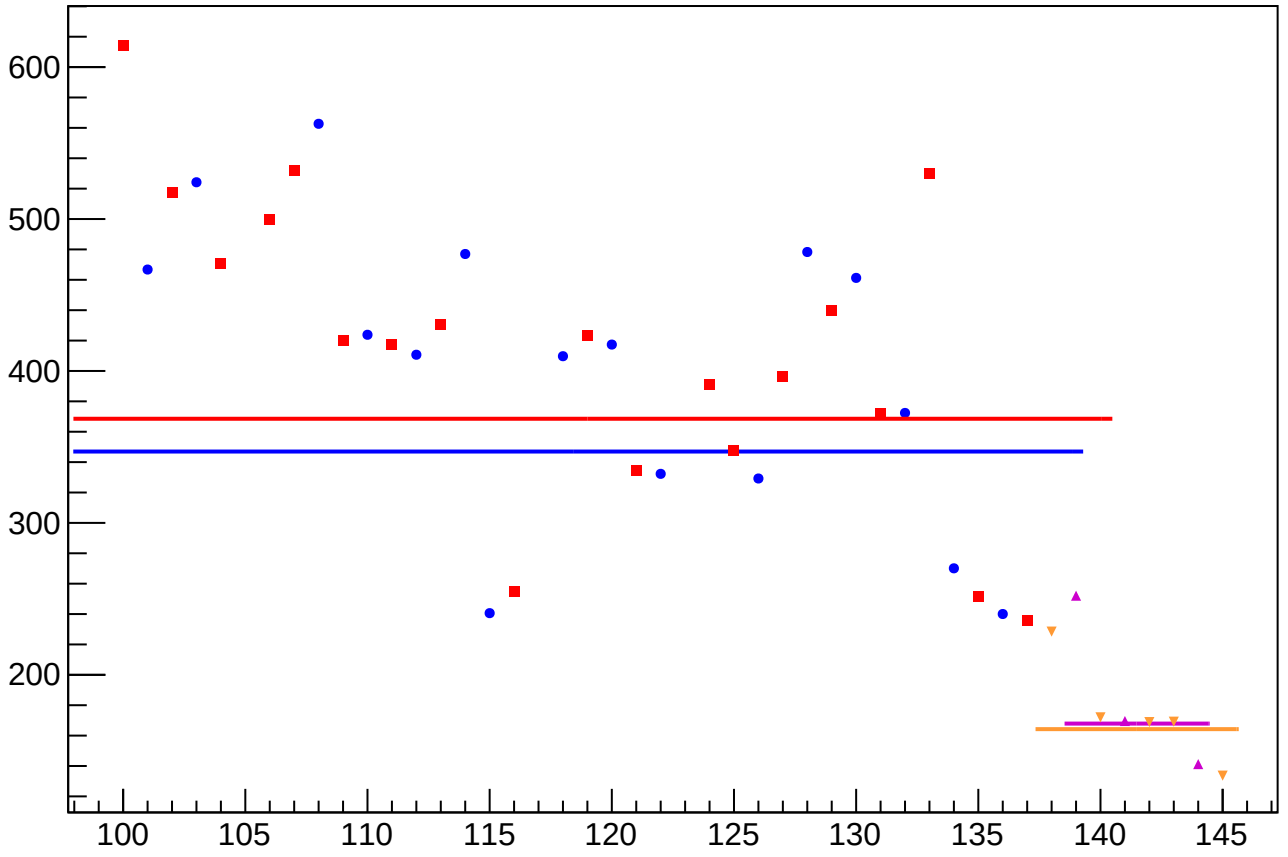
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 89.596+/-106.846 χ^2/NDF:2.0/2

\+ sign 146.777+/-73.356 χ^2/NDF: 30.4/20

All: 150.889+/-55.528 χ^2/NDF: 45.1/42

\- sign 156.407+/-84.977 χ^2/NDF: 14.7/21



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

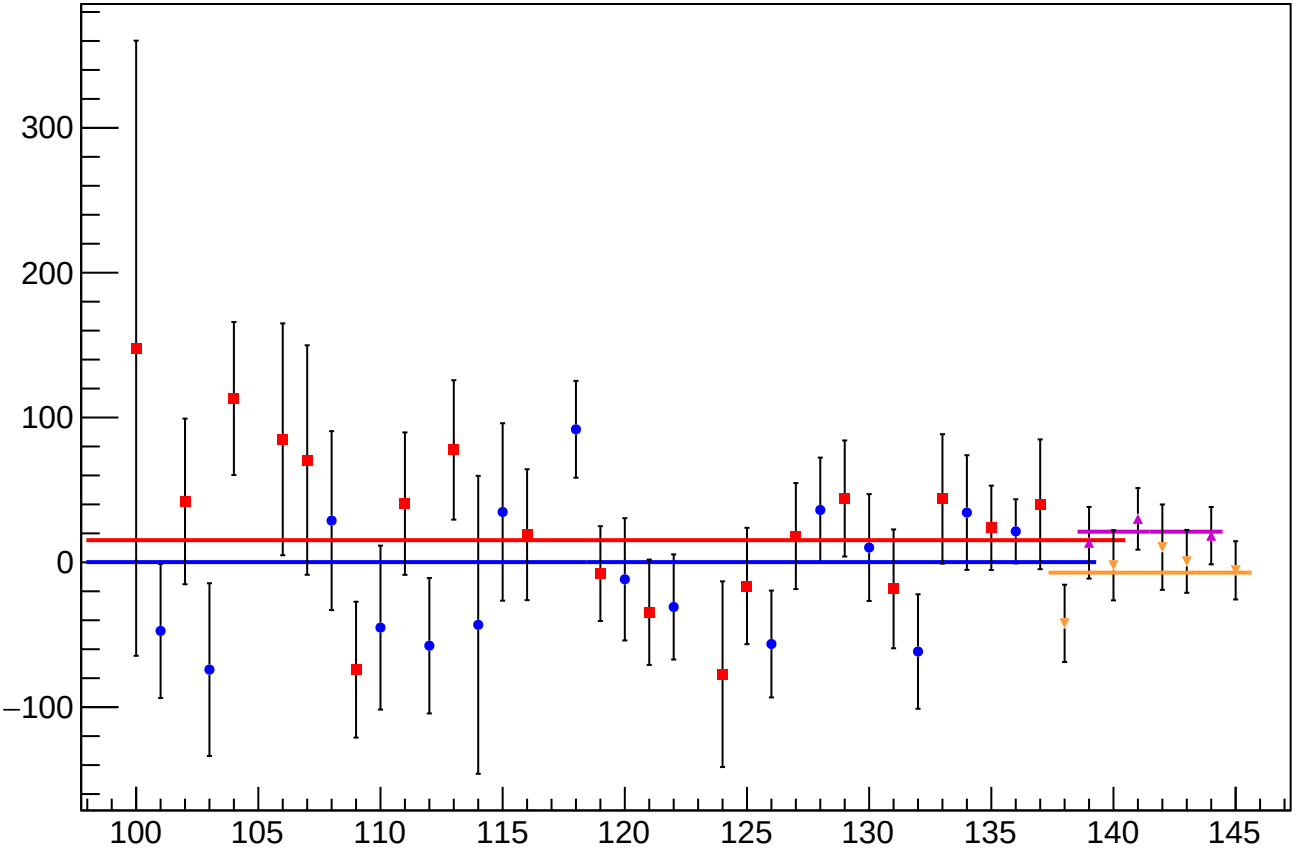
Left In: 167.909+/-0.076 χ^2/NDF:250803.7/2

+ sign 218.306+/-0.052 χ^2/NDF: 3851796.6/20

All: 228.267+/-0.039 χ^2/NDF: 7680618.9/42

- sign 241.634+/-0.060 χ^2/NDF: 3742453.9/21

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

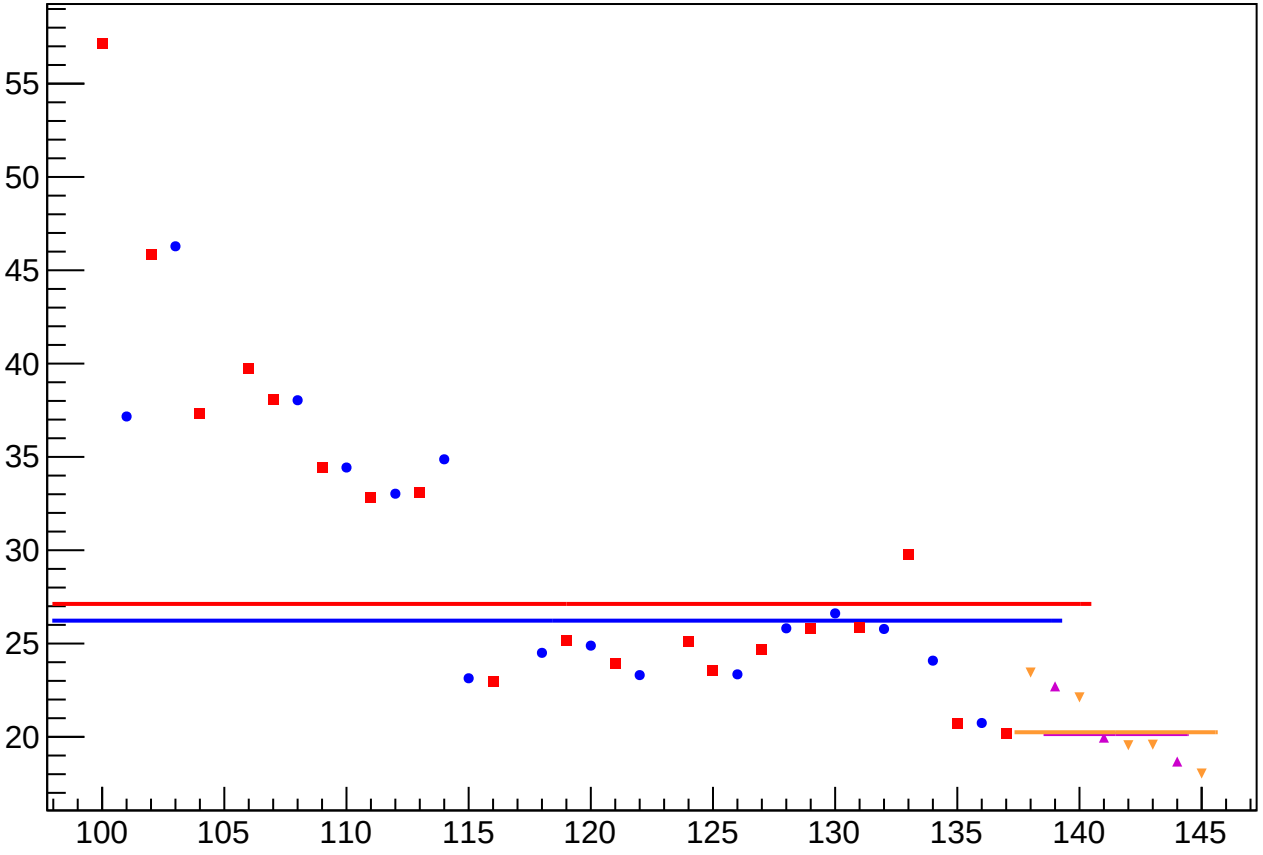
Left In: 21.171+/-12.498 χ^2/NDF:0.3/2

+ sign -3.265+/-7.302 χ^2/NDF: 23.8/20

All: 6.331+/-5.373 χ^2/NDF: 45.9/42

- sign 17.661+/-7.934 χ^2/NDF: 18.4/21

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

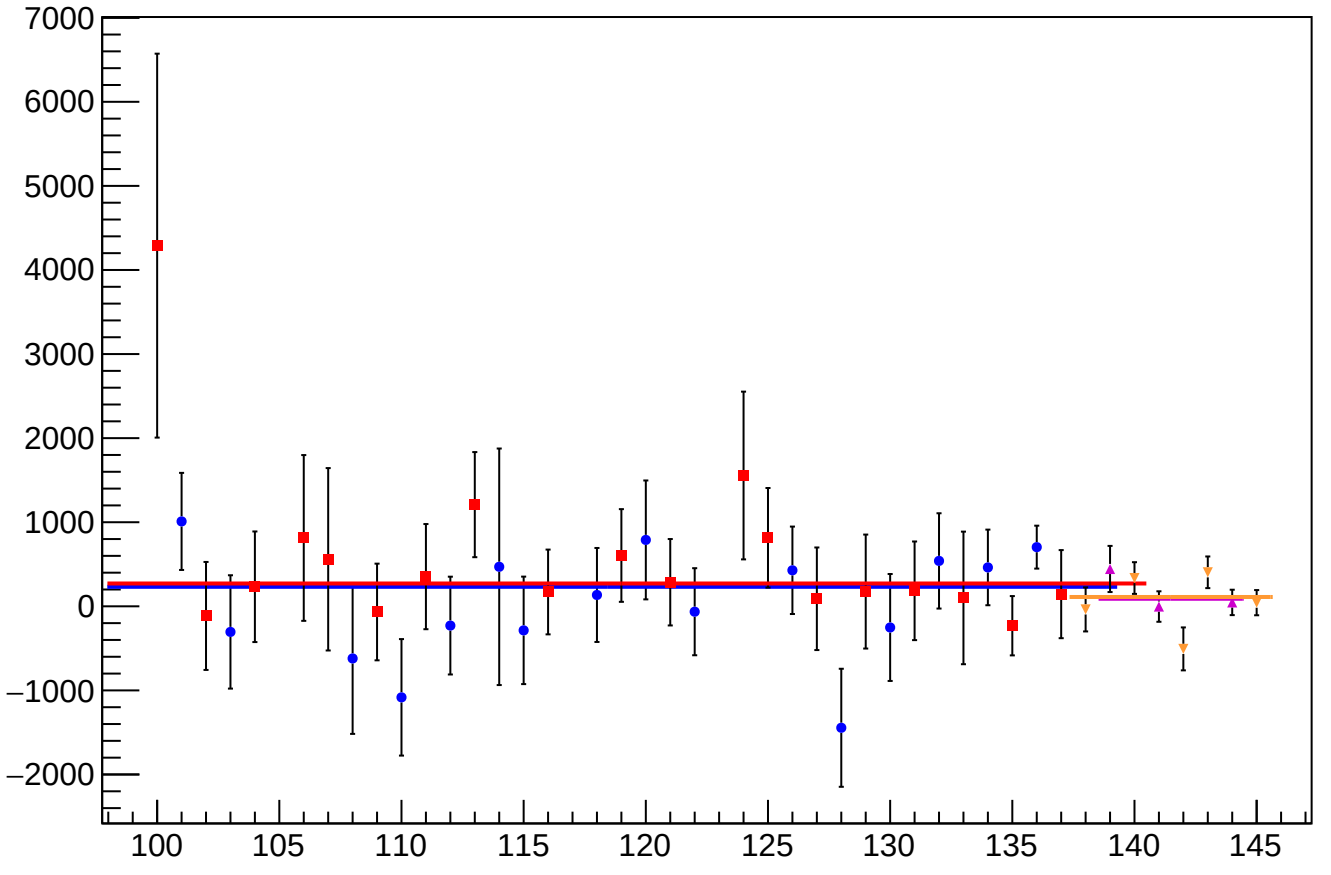
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.150+/-0.009 χ^2/NDF:32586.3/2

+ sign 23.406+/-0.005 χ^2/NDF: 1078027.3/20

All: 23.822+/-0.004 χ^2/NDF: 2242192.4/42

- sign 24.313+/-0.006 χ^2/NDF: 1150004.7/21



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 110.939+/-87.416 χ^2/NDF:10.2/4

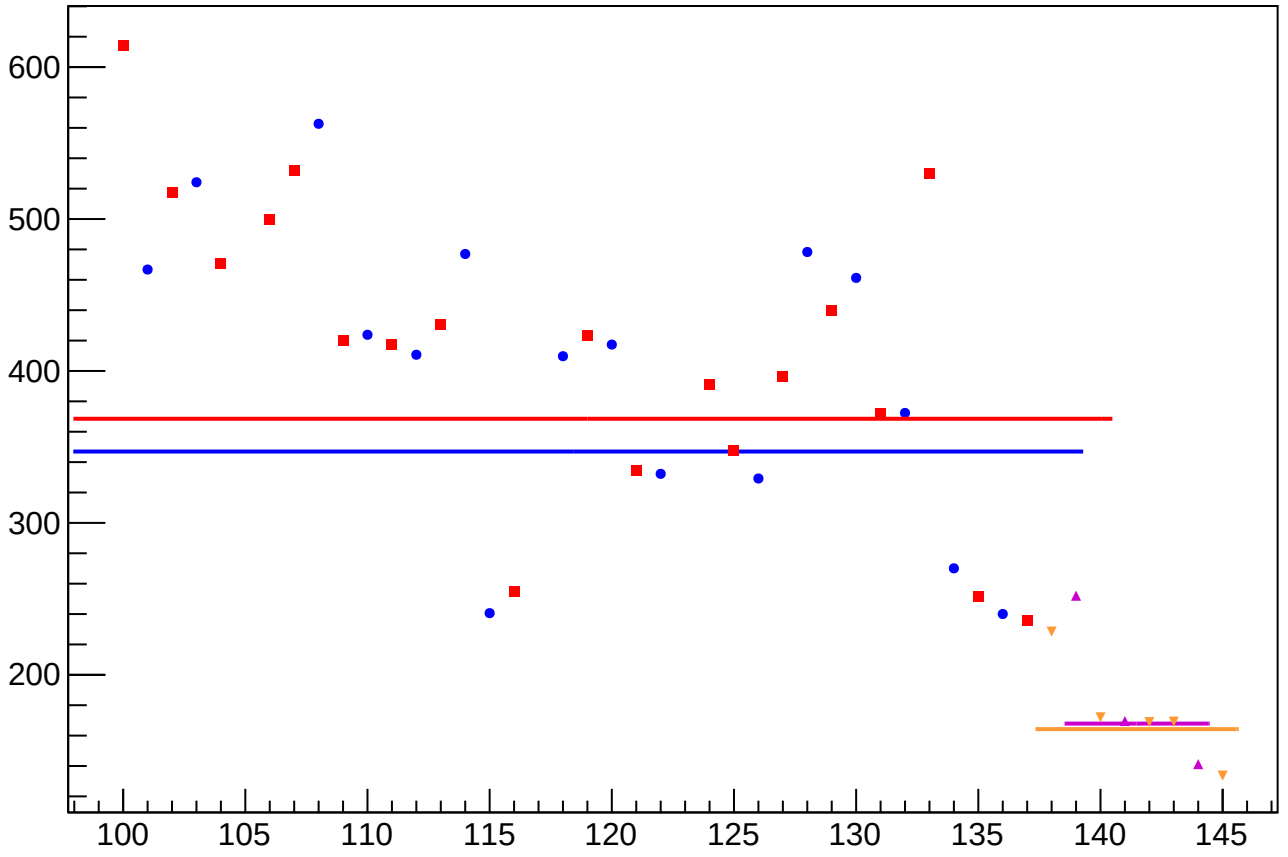
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 89.596+/-106.846 χ^2/NDF:2.0/2

\+ sign 146.777+/-73.356 χ^2/NDF: 30.4/20

All: 150.889+/-55.528 χ^2/NDF: 45.1/42

\- sign 156.407+/-84.977 χ^2/NDF: 14.7/21



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

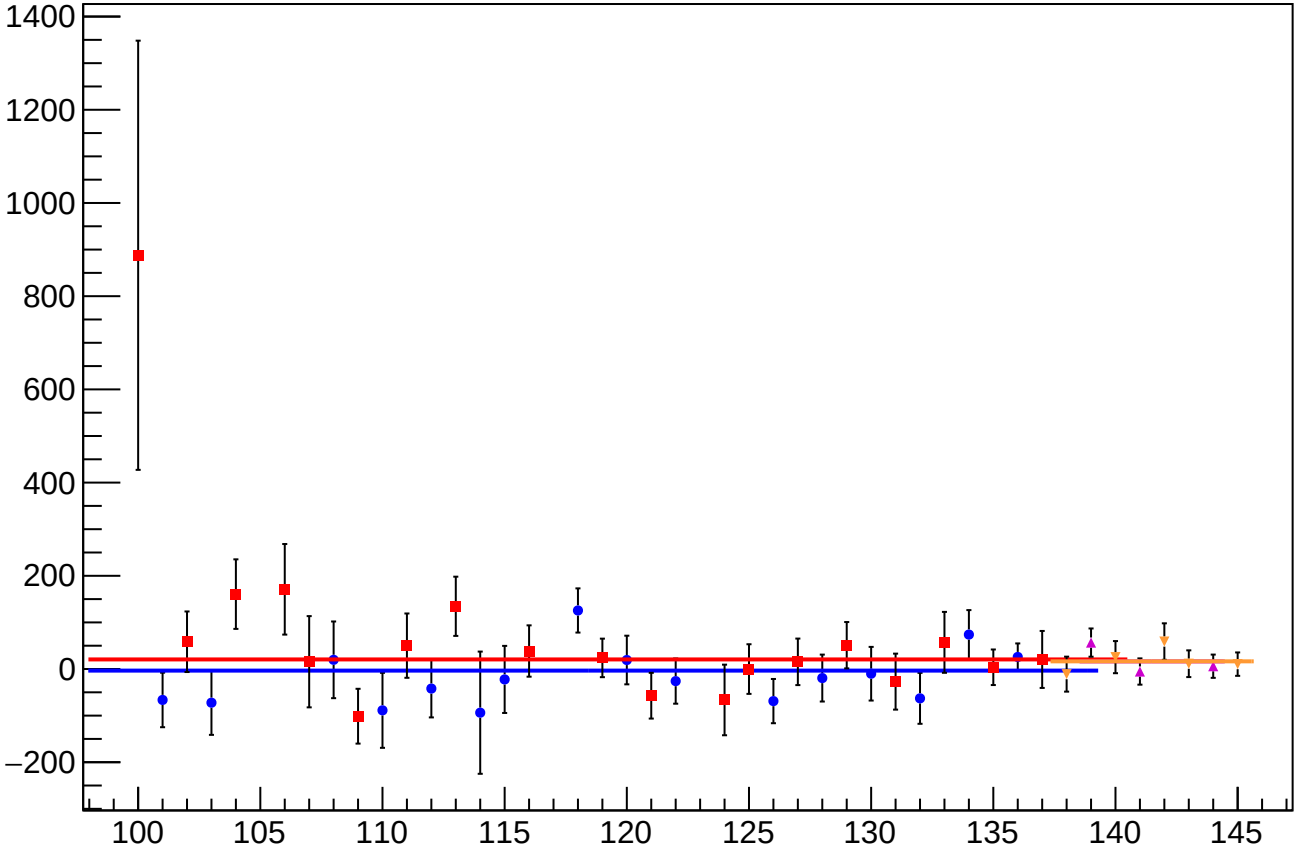
Left In: 167.909+/-0.076 χ^2/NDF:250803.7/2

+ sign 218.306+/-0.052 χ^2/NDF: 3851796.6/20

All: 228.267+/-0.039 χ^2/NDF: 7680618.9/42

- sign 241.634+/-0.060 χ^2/NDF: 3742453.9/21

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

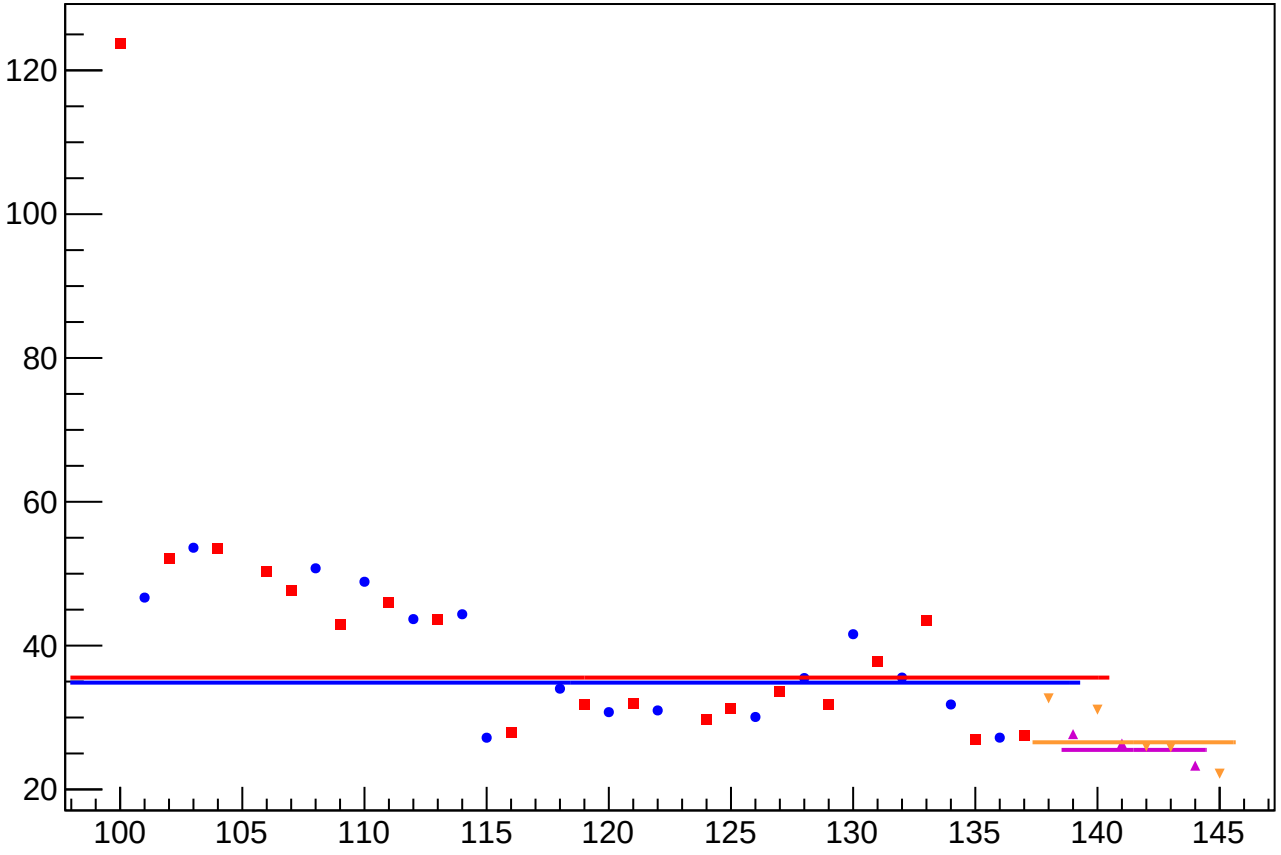
Left In: 16.334+/-15.905 χ^2/NDF:2.5/2

+ sign 5.983+/-9.721 χ^2/NDF: 21.4/20

All: 12.033+/-7.064 χ^2/NDF: 47.9/42

- sign 18.800+/-10.281 χ^2/NDF: 25.7/21

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

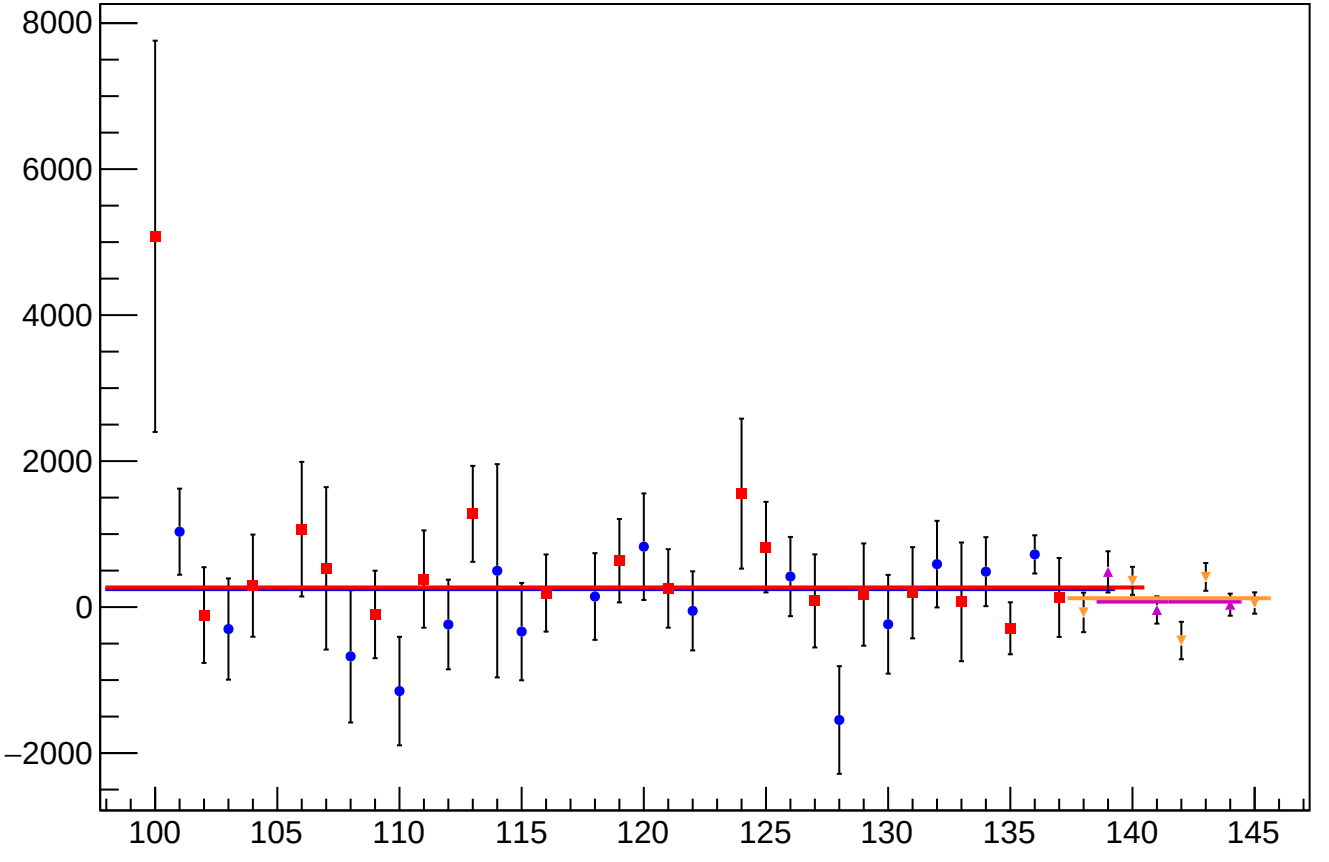
Left In: 25.497+/-0.011 χ^2/NDF:27869.8/2

+ sign 30.926+/-0.007 χ^2/NDF: 1170785.6/20

All: 31.127+/-0.005 χ^2/NDF: 2445774.7/42

- sign 31.351+/-0.007 χ^2/NDF: 1273183.0/21

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

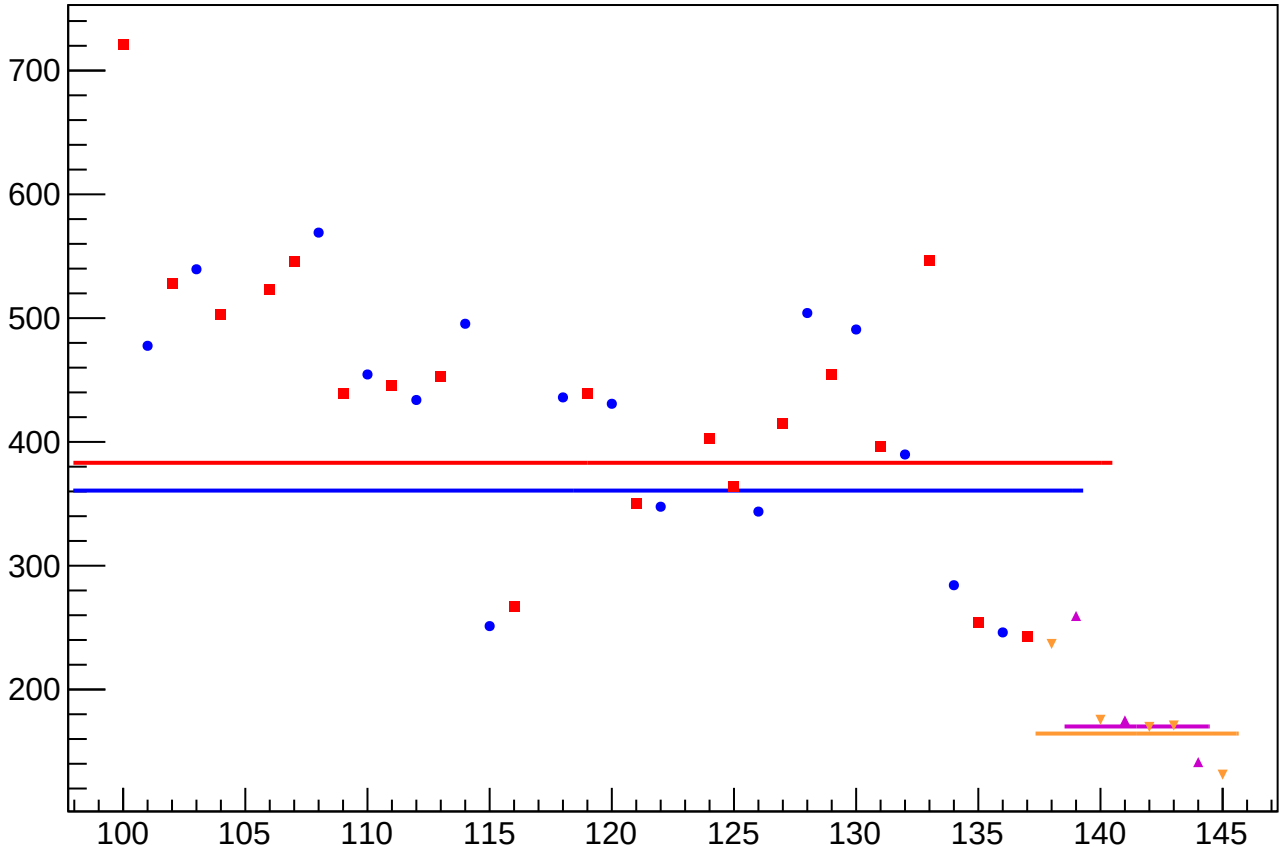
Left In: 75.163+/-108.457 χ^2/NDF:2.5/2

+ sign 156.702+/-74.288 χ^2/NDF: 30.1/20

All: 151.547+/-56.471 χ^2/NDF: 46.4/42

- sign 144.491+/-86.913 χ^2/NDF: 16.3/21

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



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

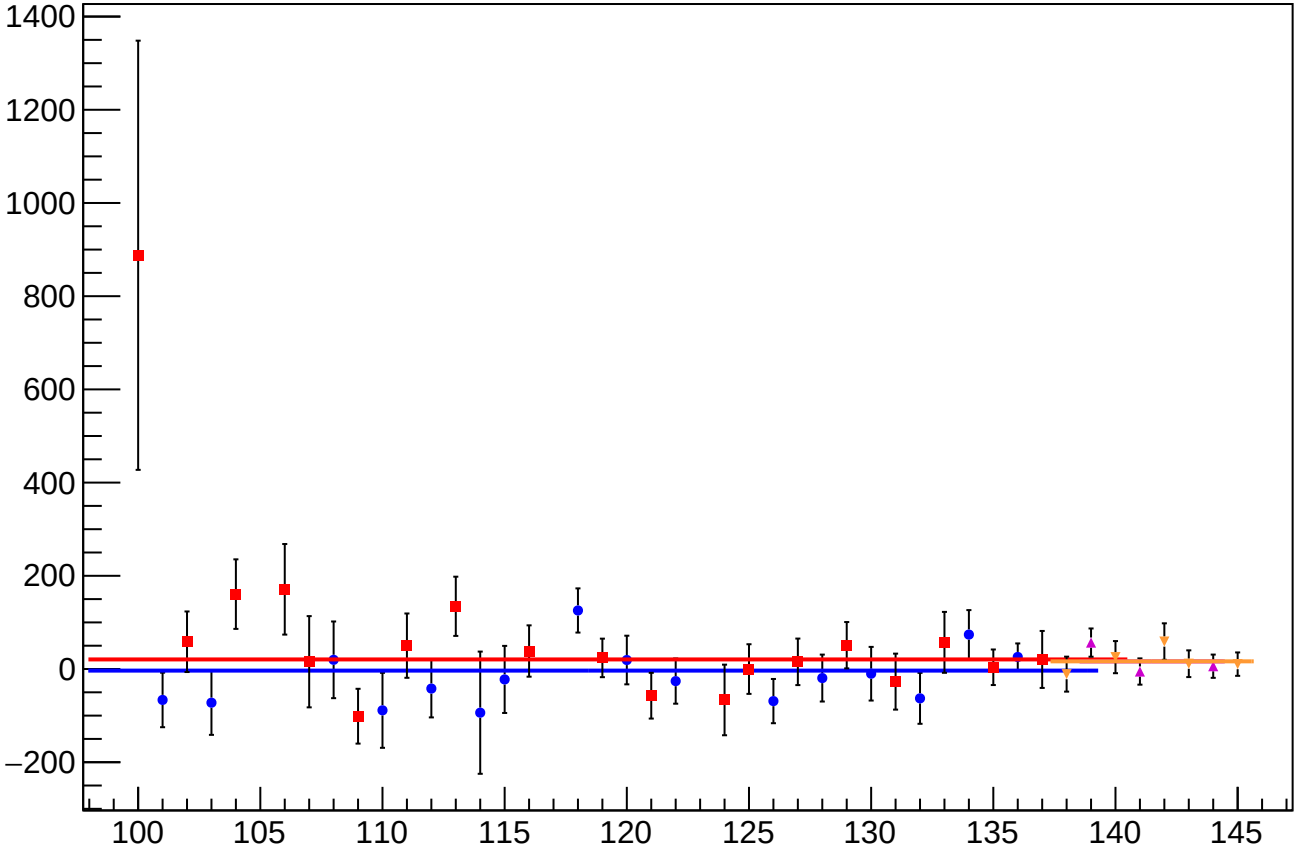
Left In: 170.129+/-0.077 χ^2/NDF:273985.3/2

+ sign 219.451+/-0.053 χ^2/NDF: 4166476.3/20

All: 230.805+/-0.040 χ^2/NDF: 8274515.9/42

- sign 246.346+/-0.061 χ^2/NDF: 3997372.5/21

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

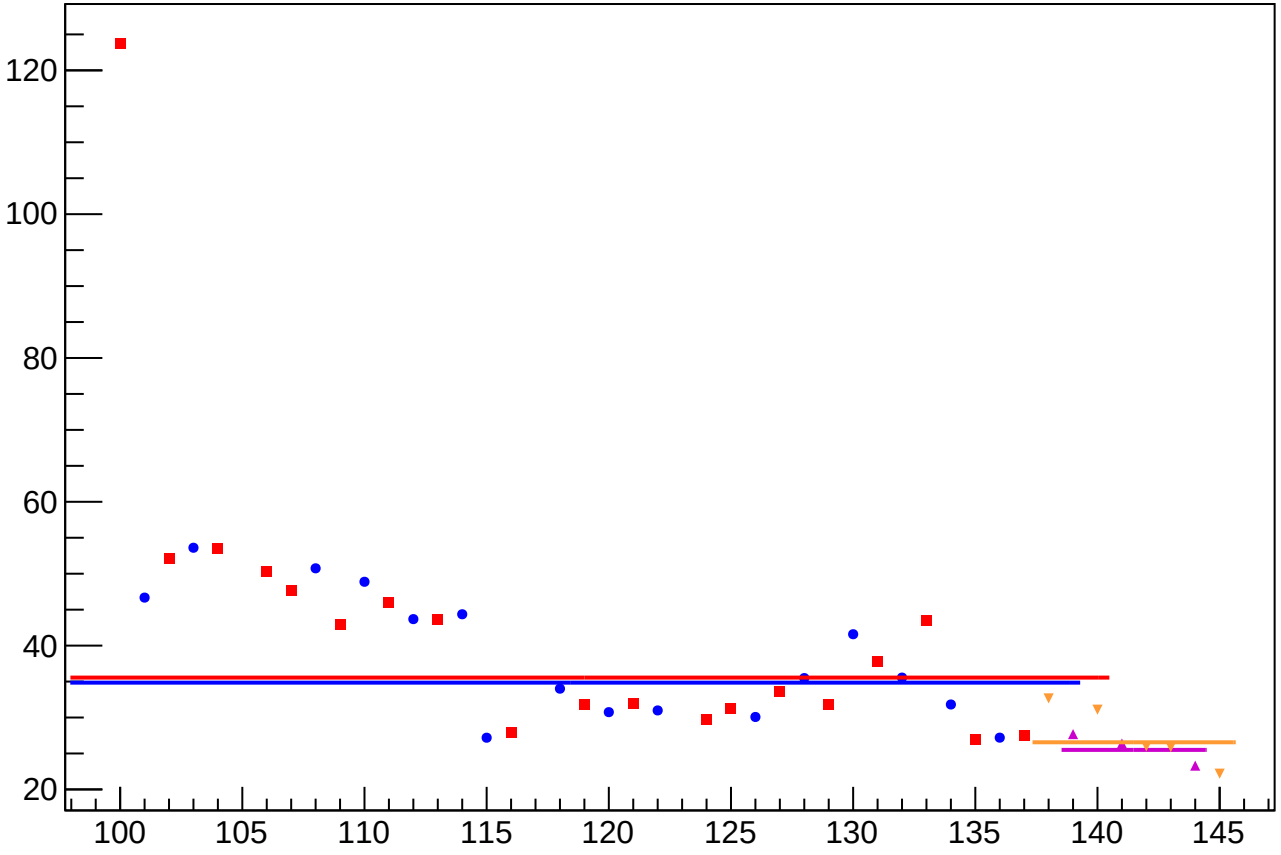
Left In: 16.334+/-15.905 χ^2/NDF:2.5/2

+ sign 5.982+/-9.721 χ^2/NDF: 21.4/20

All: 12.032+/-7.064 χ^2/NDF: 47.9/42

- sign 18.799+/-10.281 χ^2/NDF: 25.7/21

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

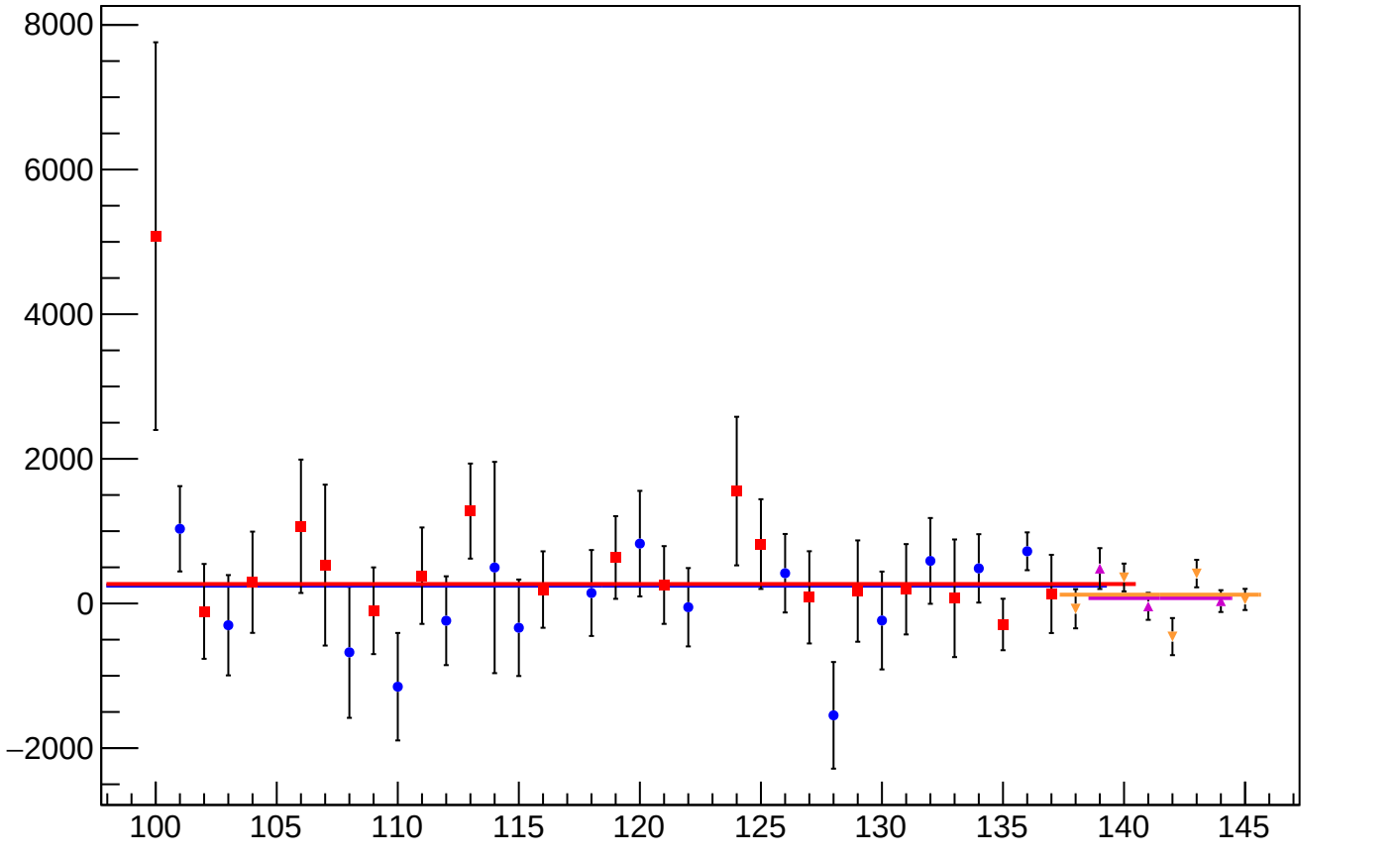
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 25.497+/-0.011 χ^2/NDF:27862.9/2

+ sign 30.926+/-0.007 χ^2/NDF: 1170674.3/20

All: 31.126+/-0.005 χ^2/NDF: 2445602.1/42

- sign 31.351+/-0.007 χ^2/NDF: 1273122.1/21


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug
8000
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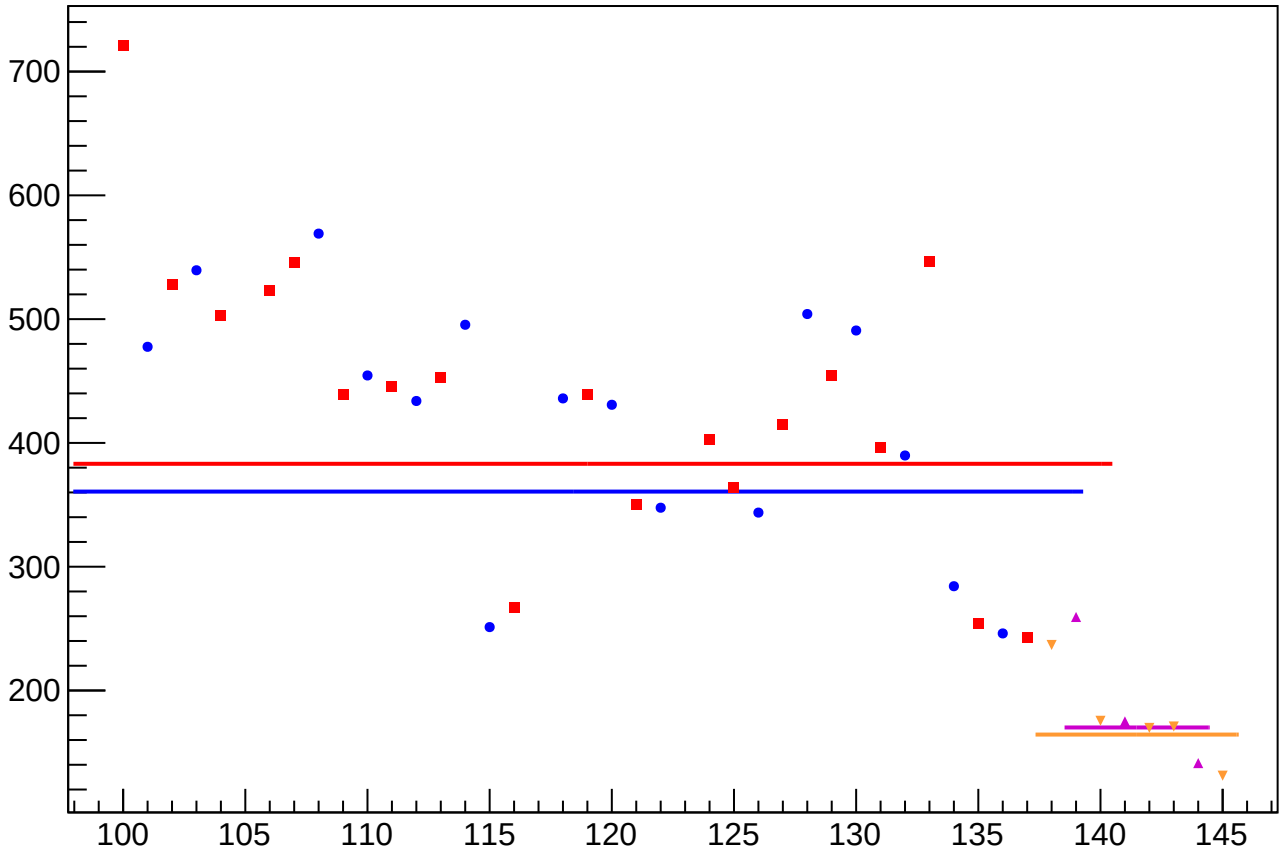
Right In: 246.505+/-140.274 χ²/NDF: 19.8/15
Left Out: 121.697+/-87.577 χ²/NDF:9.7/4
Right Out: 268.913+/-145.295 χ²/NDF: 12.6/18
Left In: 75.164+/-108.457 χ²/NDF:2.5/2
+ sign 156.701+/-74.288 χ²/NDF: 30.1/20
All: 151.547+/-56.470 χ²/NDF: 46.4/42
- sign 144.491+/-86.913 χ²/NDF: 16.3/21



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 164.397+/-0.062 χ^2/NDF:255717.0/4

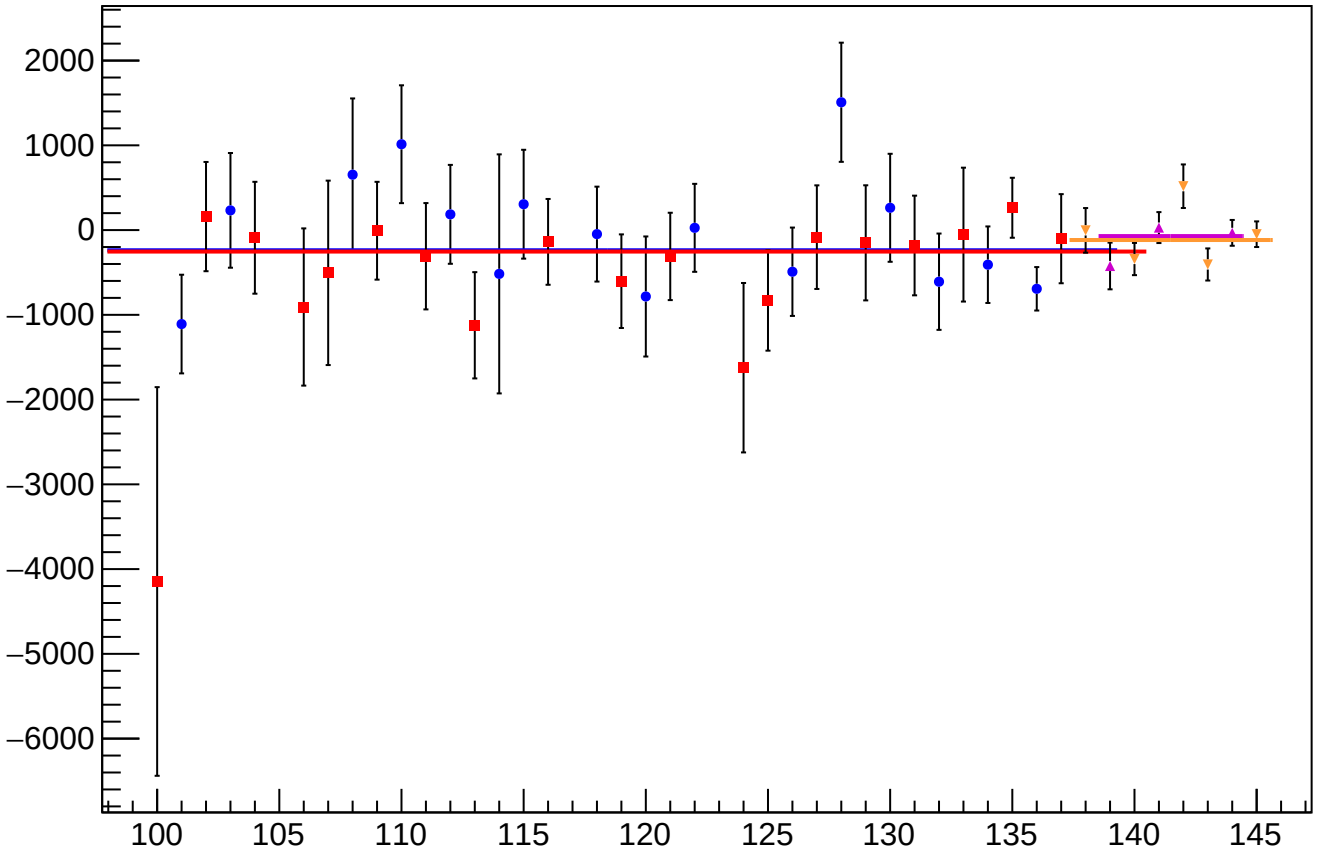
Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 170.129+/-0.077 χ^2/NDF:273981.7/2

+ sign 219.450+/-0.053 χ^2/NDF: 4166485.4/20

All: 230.804+/-0.040 χ^2/NDF: 8274527.8/42

- sign 246.346+/-0.061 χ^2/NDF: 3997373.6/21



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

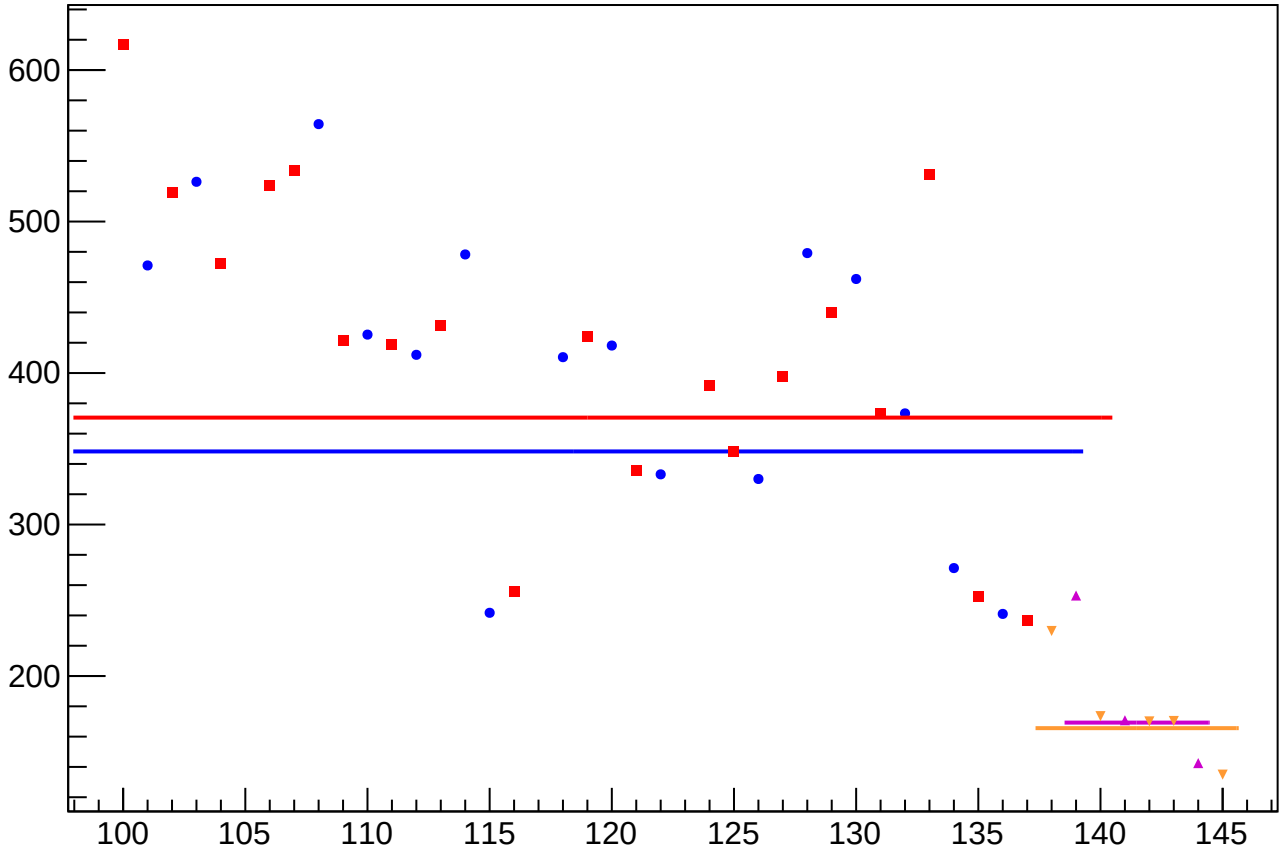
Left In: -70.694+/-107.649 χ^2/NDF:2.0/2

+ sign -153.206+/-73.838 χ^2/NDF: 30.7/20

All: -146.852+/-55.864 χ^2/NDF: 45.5/42

- sign -138.345+/-85.432 χ^2/NDF: 14.8/21

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

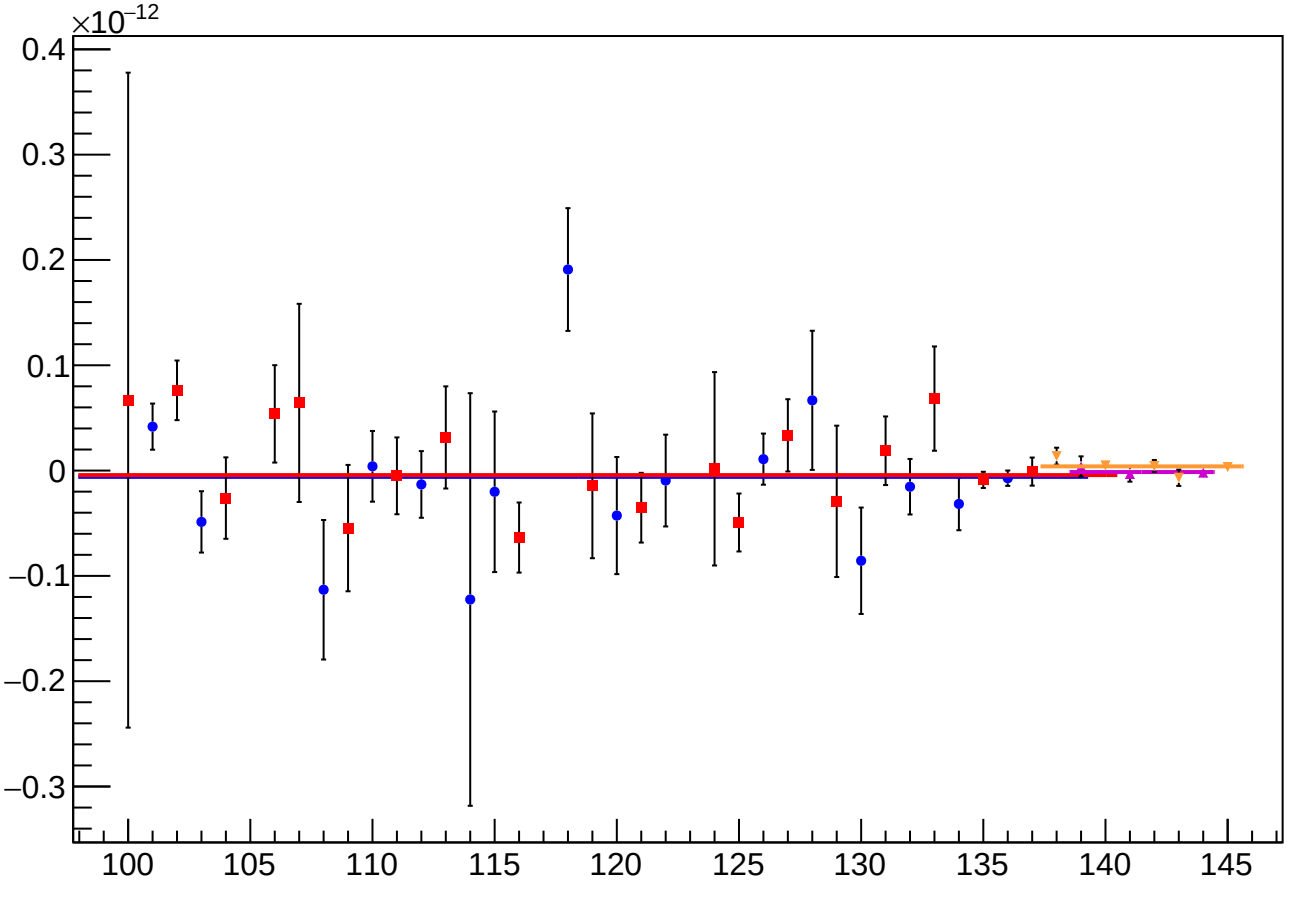
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.255+/-0.076 χ^2/NDF:247118.0/2

+ sign 219.955+/-0.052 χ^2/NDF: 3821531.7/20

All: 230.144+/-0.040 χ^2/NDF: 7665299.5/42

- sign 243.784+/-0.060 χ^2/NDF: 3754703.0/21



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/4

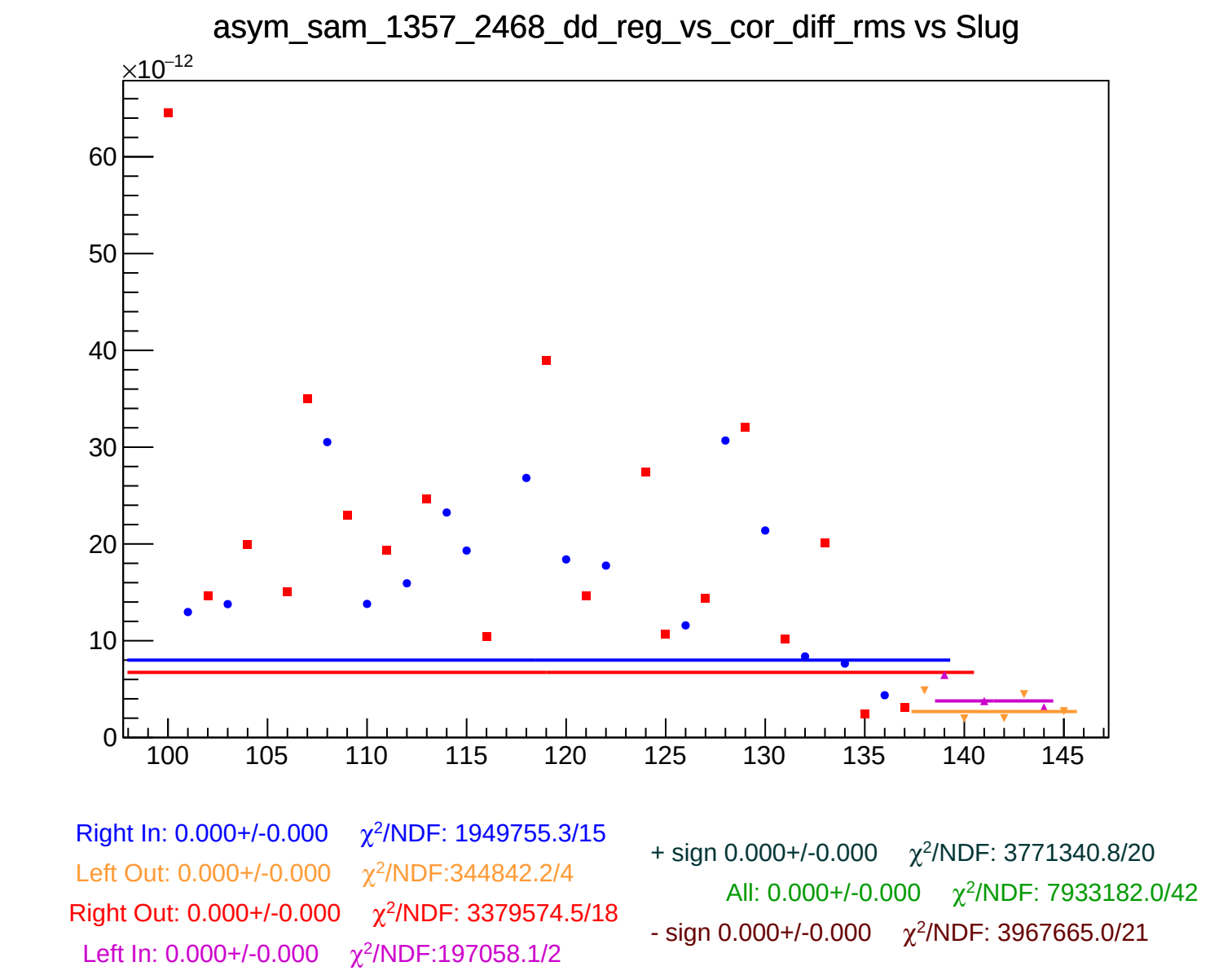
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/20

All: 0.000+/-0.000 χ^2/NDF: 58.5/42

- sign -0.000+/-0.000 χ^2/NDF: 23.5/21


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
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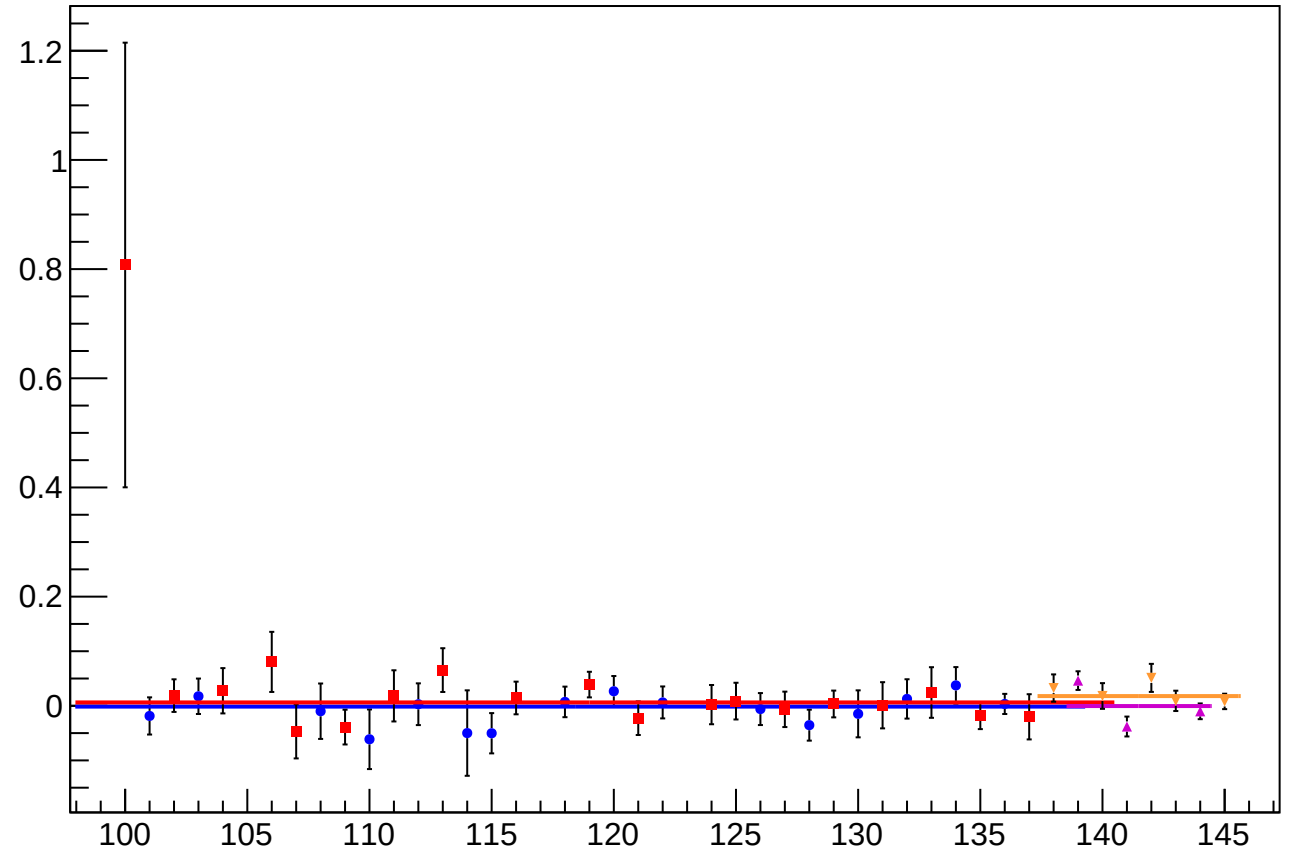
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:344842.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:197058.1/2
+ sign 0.000+/-0.000 χ²/NDF: 3771340.8/20
All: 0.000+/-0.000 χ²/NDF: 7933182.0/42
- sign 0.000+/-0.000 χ²/NDF: 3967665.0/21



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

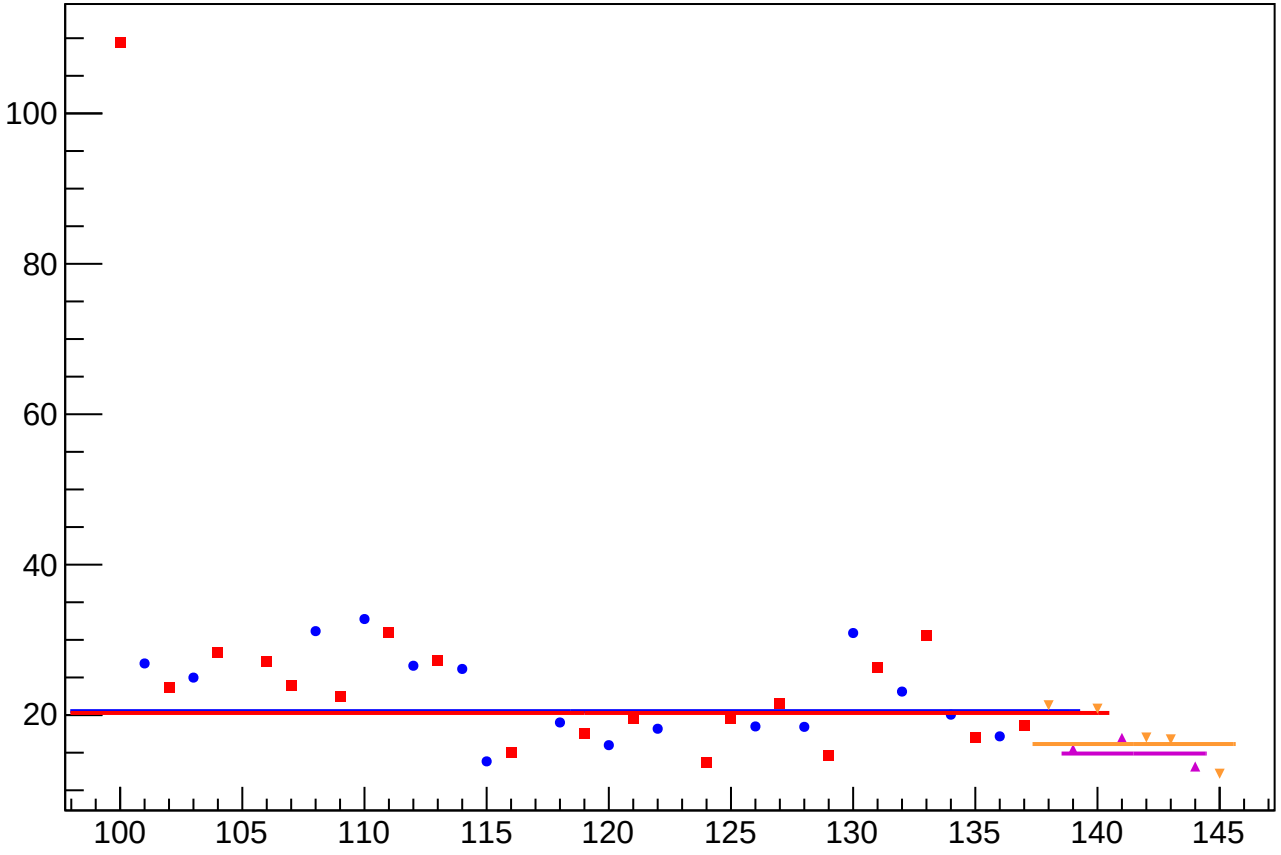
Left In: -0.000+/-0.009 χ^2/NDF:12.1/2

+ sign 0.007+/-0.006 χ^2/NDF: 13.6/20

All: 0.005+/-0.004 χ^2/NDF: 42.4/42

- sign 0.003+/-0.006 χ^2/NDF: 28.6/21

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

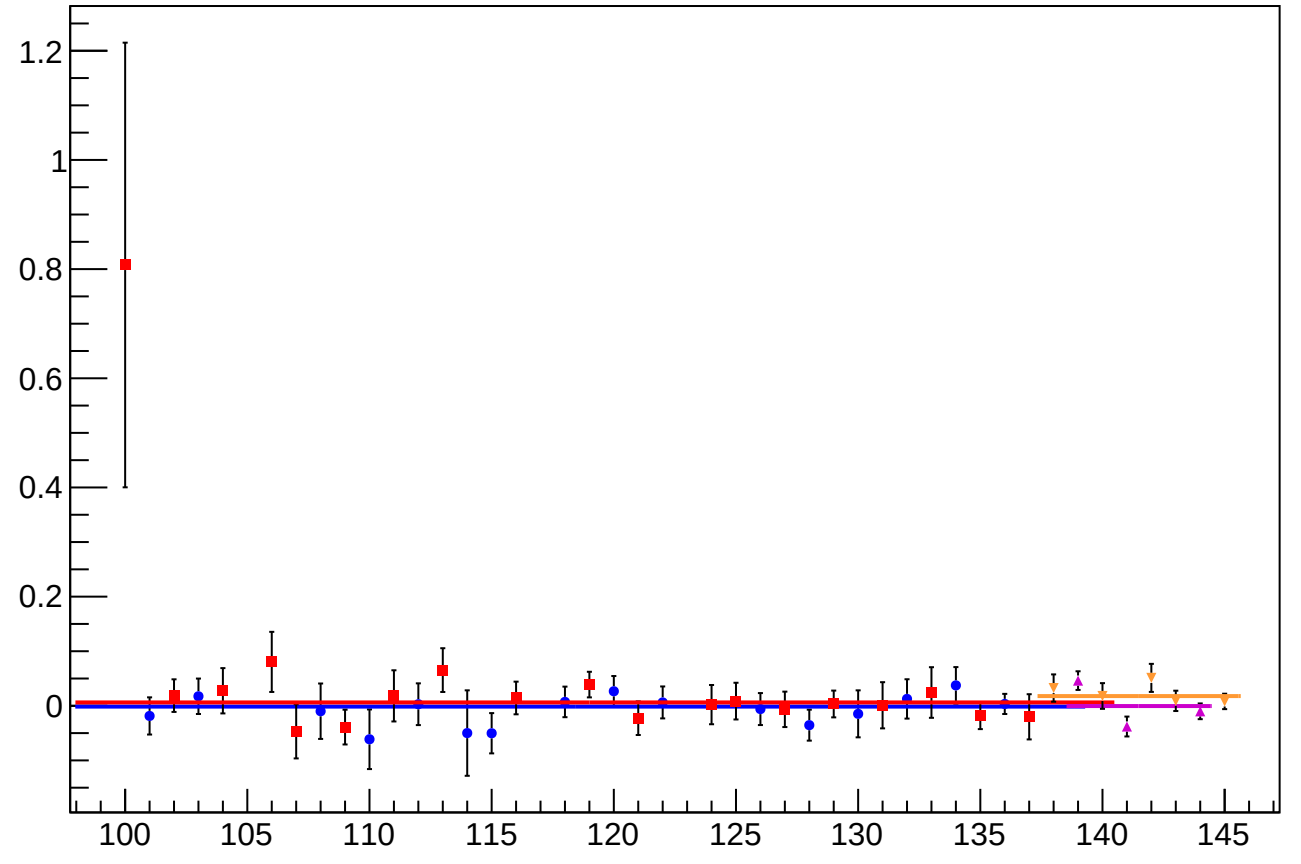
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 14.885+/-0.007 χ^2/NDF:57058.1/2

+ sign 18.536+/-0.004 χ^2/NDF: 1298364.8/20

All: 18.302+/-0.003 χ^2/NDF: 2611640.2/42

- sign 18.061+/-0.004 χ^2/NDF: 1307010.9/21



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

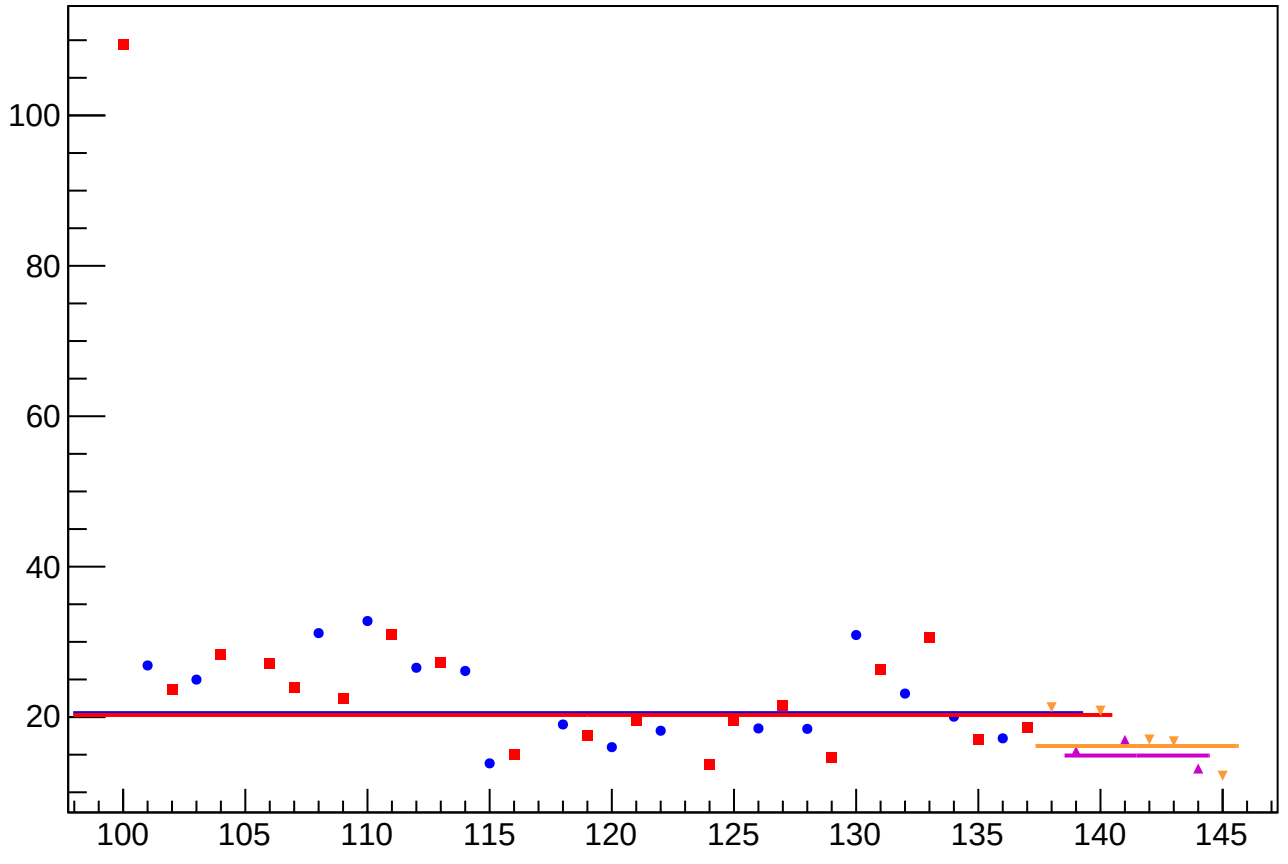
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.009 χ^2/NDF:12.1/2

+ sign 0.007+/-0.006 χ^2/NDF: 13.6/20

All: 0.005+/-0.004 χ^2/NDF: 42.4/42

- sign 0.003+/-0.006 χ^2/NDF: 28.6/21



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.151+/-0.006 χ^2/NDF:325204.6/4

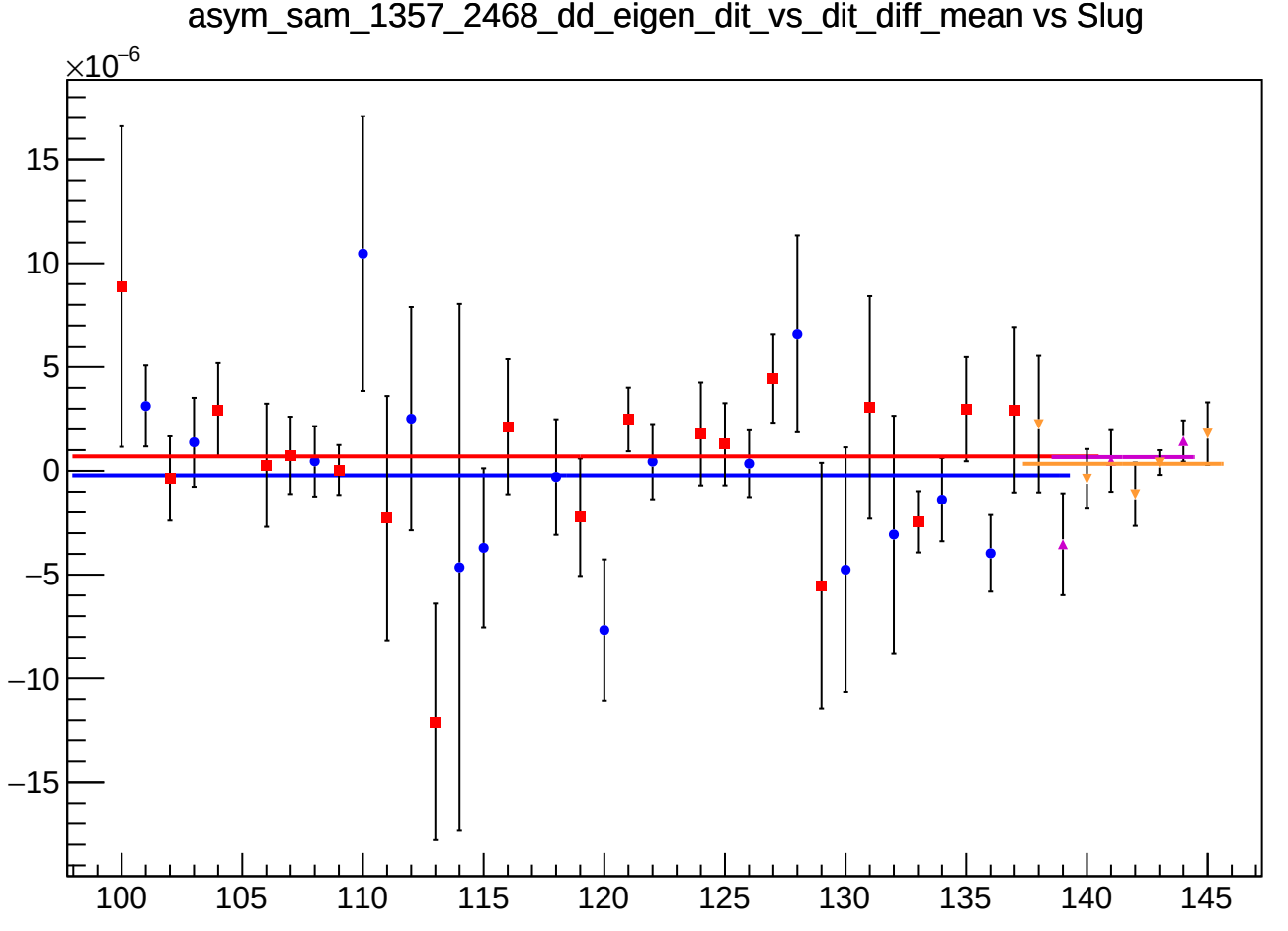
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 14.885+/-0.007 χ^2/NDF:57058.1/2

+ sign 18.536+/-0.004 χ^2/NDF: 1298364.8/20

All: 18.302+/-0.003 χ^2/NDF: 2611640.2/42

- sign 18.061+/-0.004 χ^2/NDF: 1307010.9/21



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/4

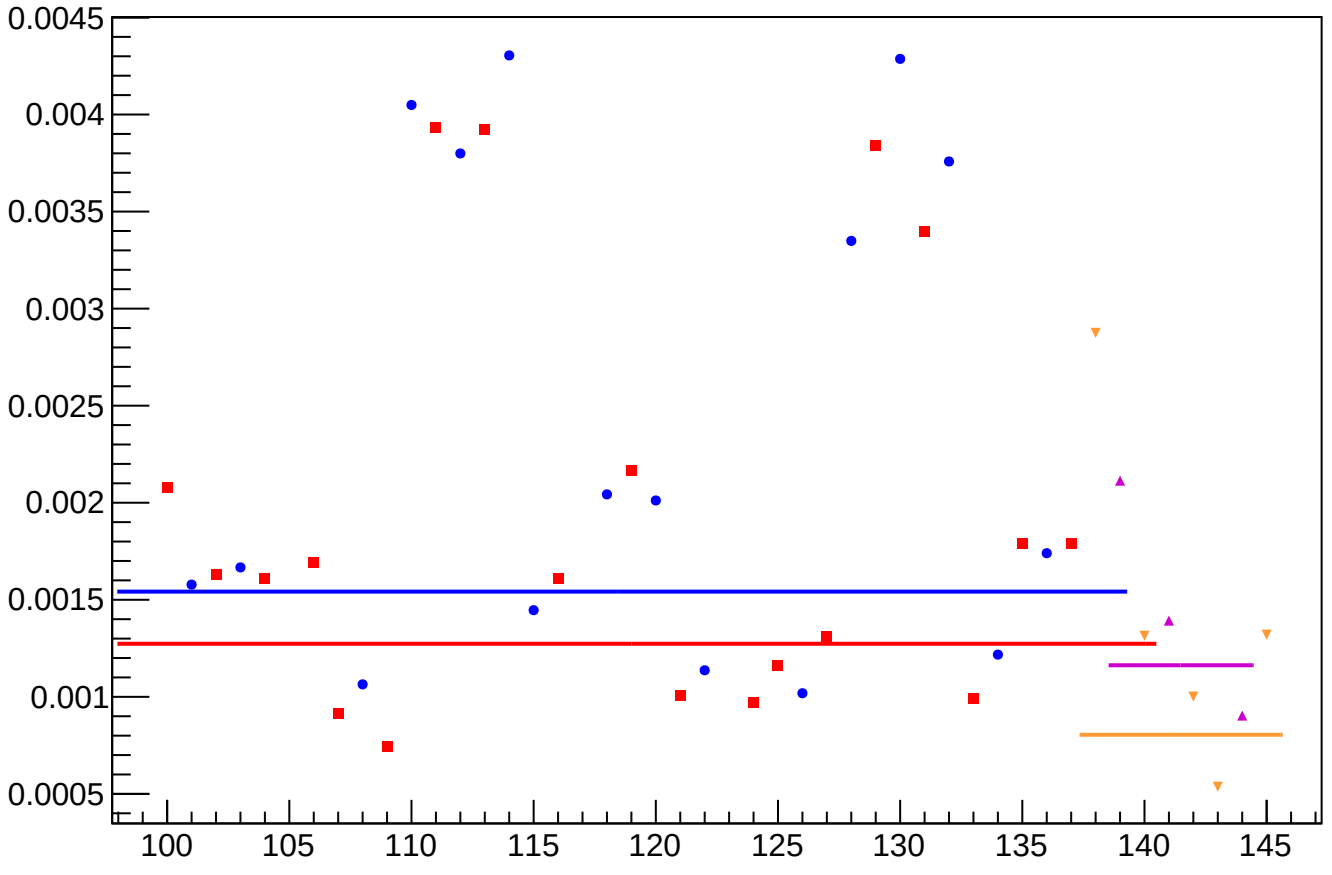
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/2

+ sign 0.000+/-0.000 χ^2/NDF: 22.9/20

All: 0.000+/-0.000 χ^2/NDF: 48.3/42

- sign 0.000+/-0.000 χ^2/NDF: 24.6/21



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1716411.2/4

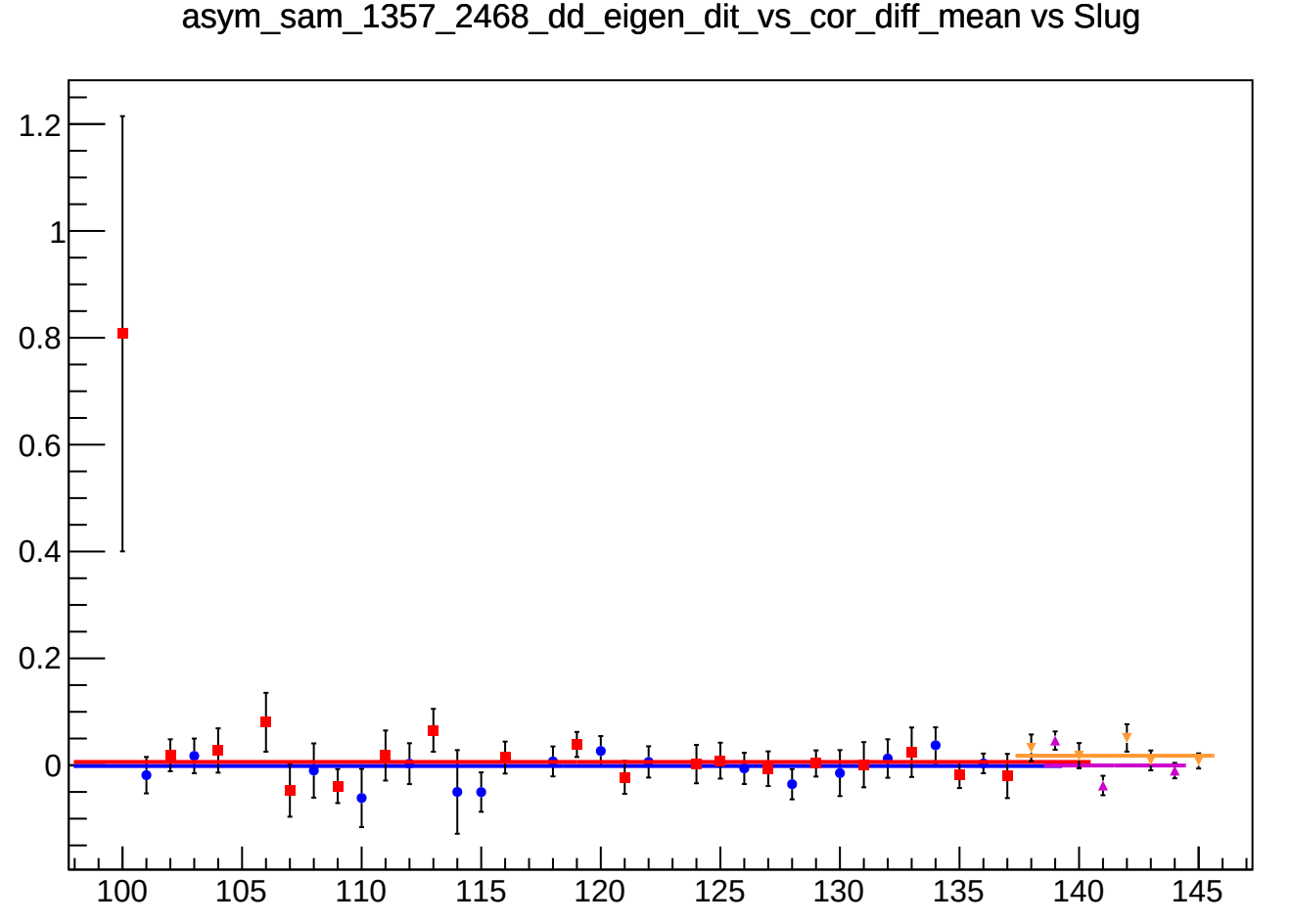
Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:484619.5/2

\+ sign 0.001+/-0.000 χ^2/NDF: 5852273.1/20

All: 0.001+/-0.000 χ^2/NDF: 9184963.3/42

\- sign 0.001+/-0.000 χ^2/NDF: 3179696.7/21



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

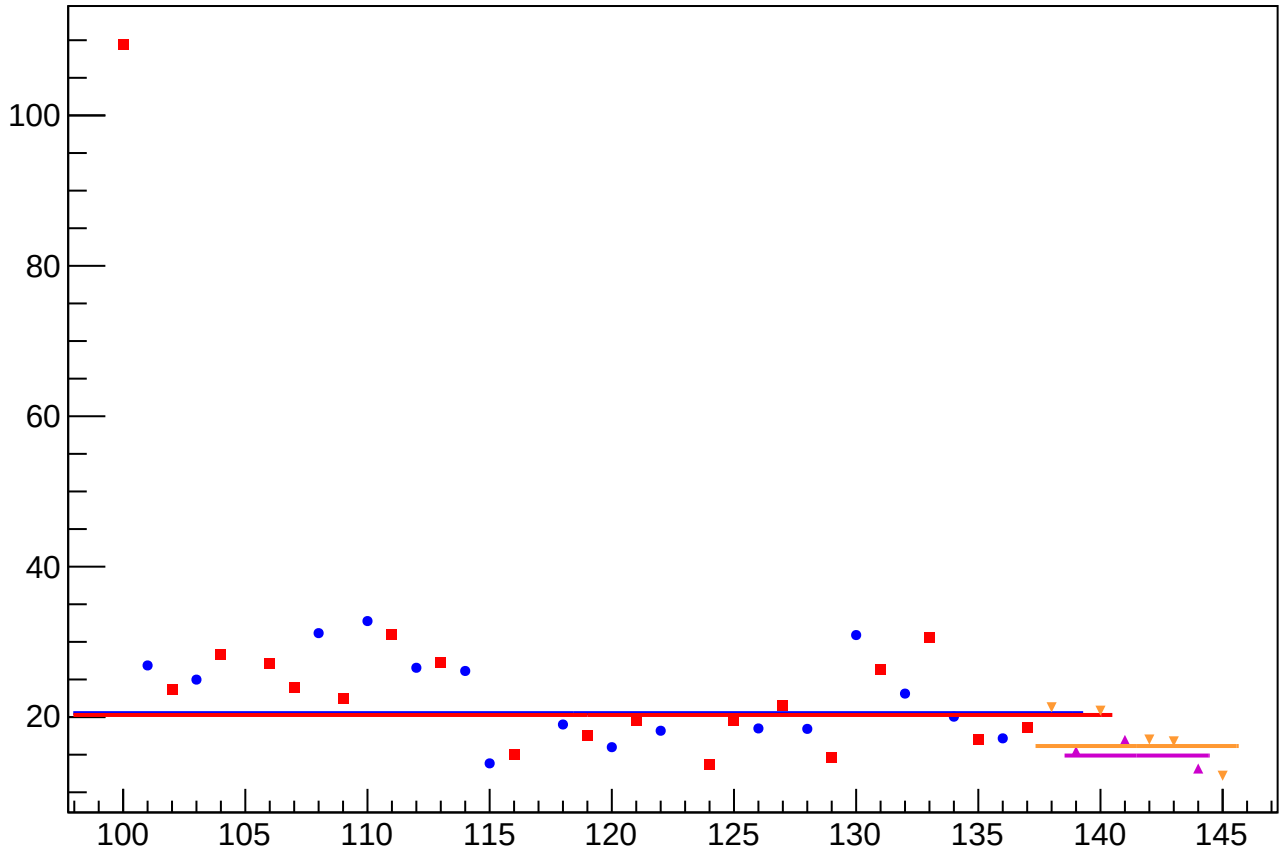
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.009 χ^2/NDF:12.1/2

+ sign 0.007+/-0.006 χ^2/NDF: 13.6/20

All: 0.005+/-0.004 χ^2/NDF: 42.4/42

- sign 0.003+/-0.006 χ^2/NDF: 28.6/21



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.151+/-0.006 χ^2/NDF:325136.5/4

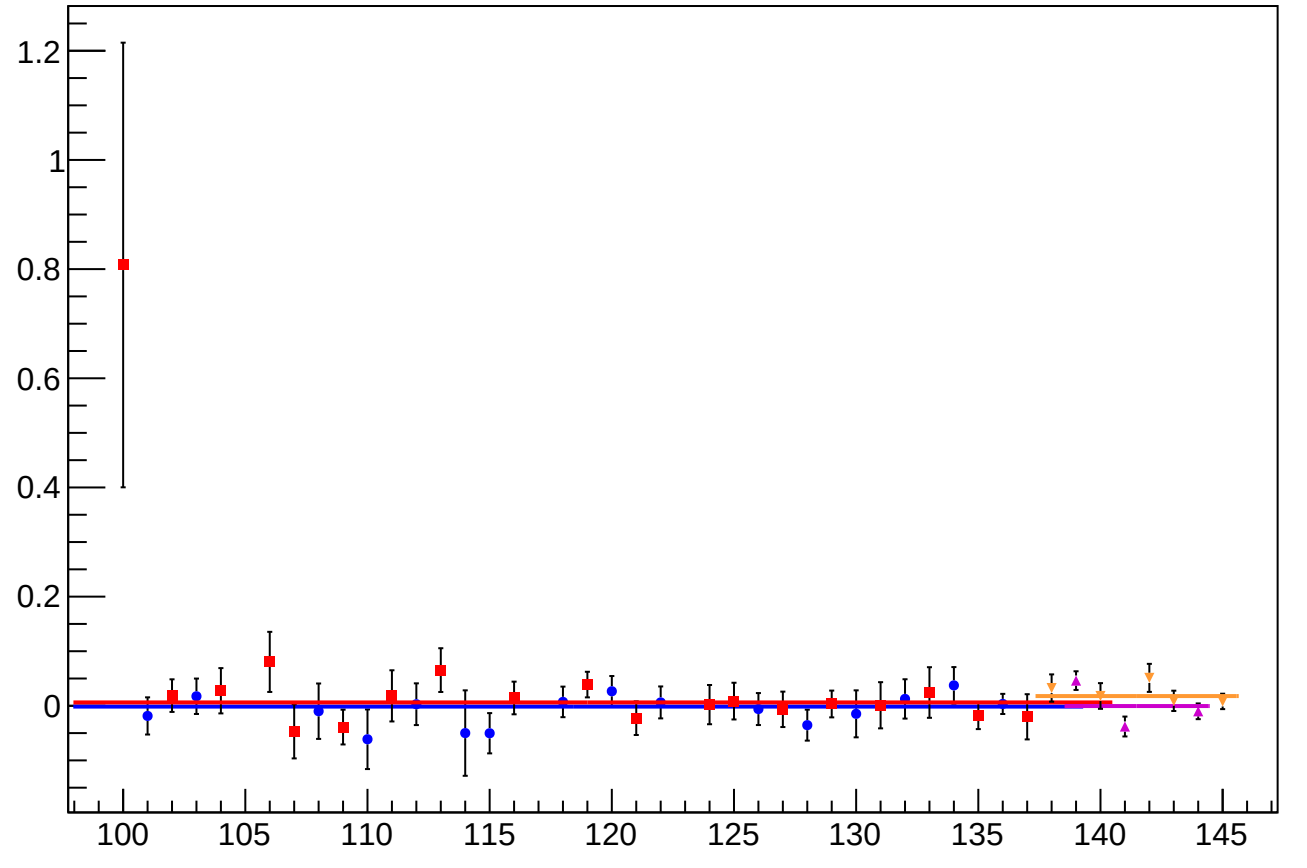
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 14.885+/-0.007 χ^2/NDF:57042.6/2

+ sign 18.536+/-0.004 χ^2/NDF: 1298082.8/20

All: 18.302+/-0.003 χ^2/NDF: 2611292.8/42

- sign 18.061+/-0.004 χ^2/NDF: 1306937.6/21



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

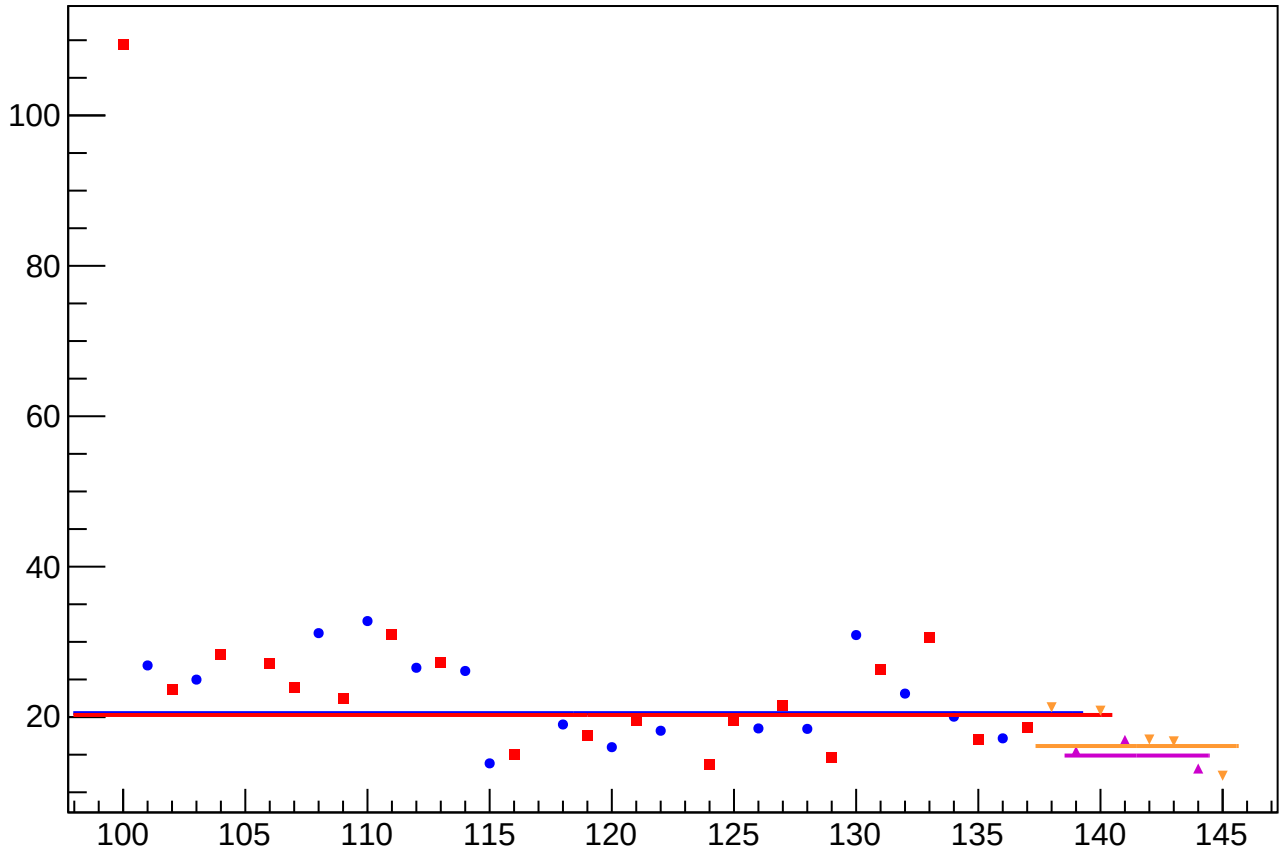
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.009 χ^2/NDF:12.1/2

+ sign 0.007+/-0.006 χ^2/NDF: 13.6/20

All: 0.005+/-0.004 χ^2/NDF: 42.4/42

- sign 0.003+/-0.006 χ^2/NDF: 28.6/21



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.151+/-0.006 χ^2/NDF:325136.5/4

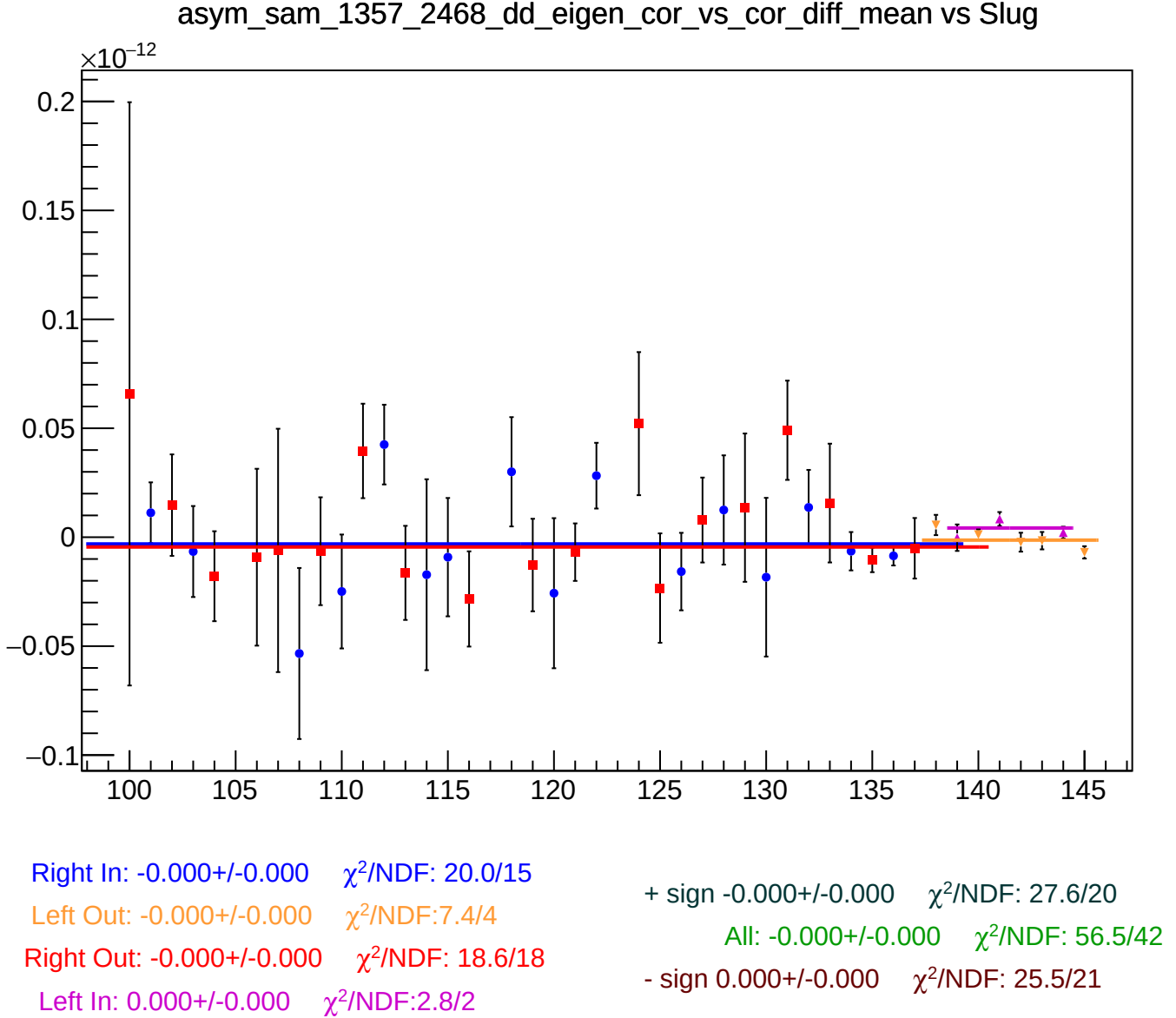
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

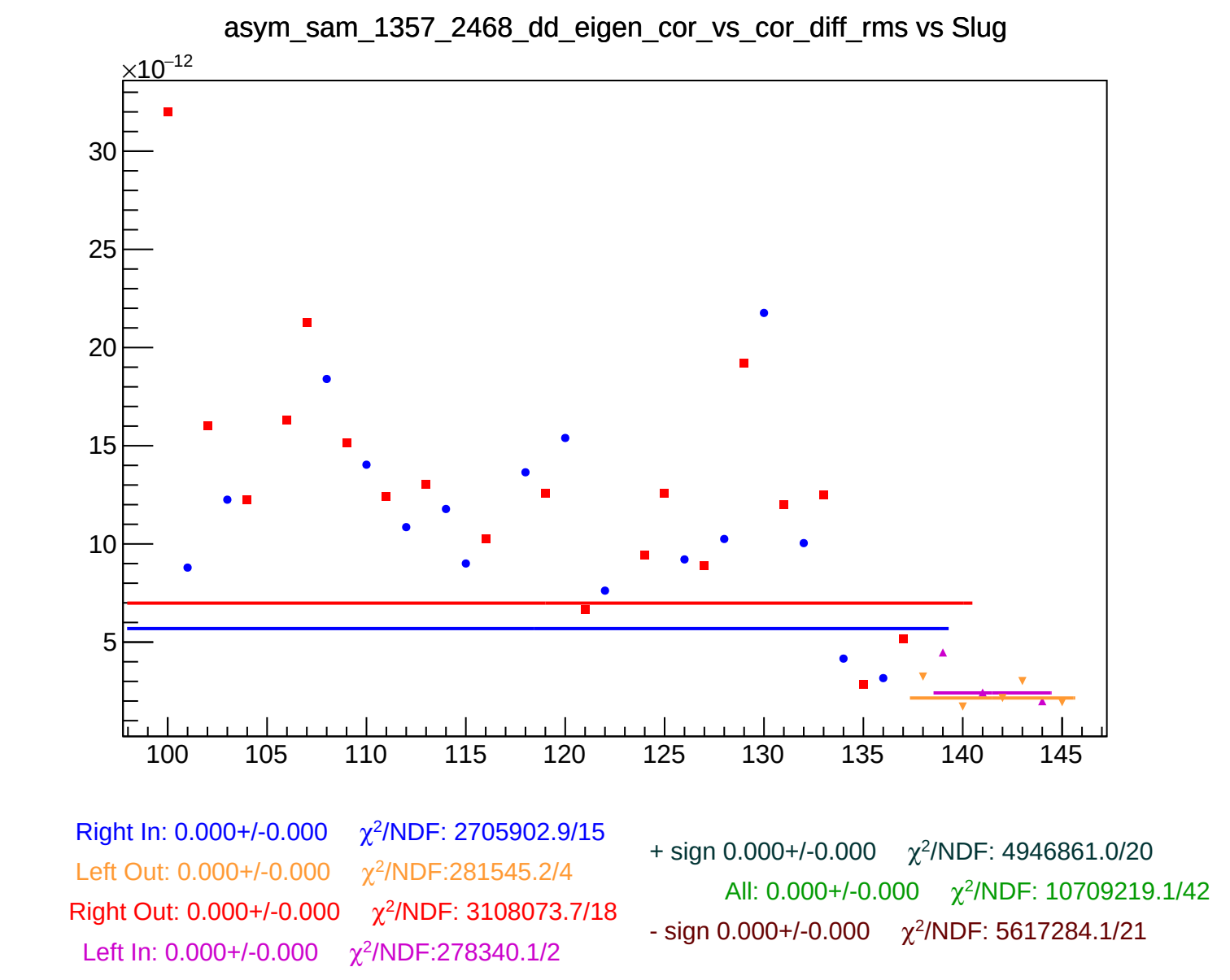
Left In: 14.885+/-0.007 χ^2/NDF:57042.6/2

+ sign 18.536+/-0.004 χ^2/NDF: 1298082.8/20

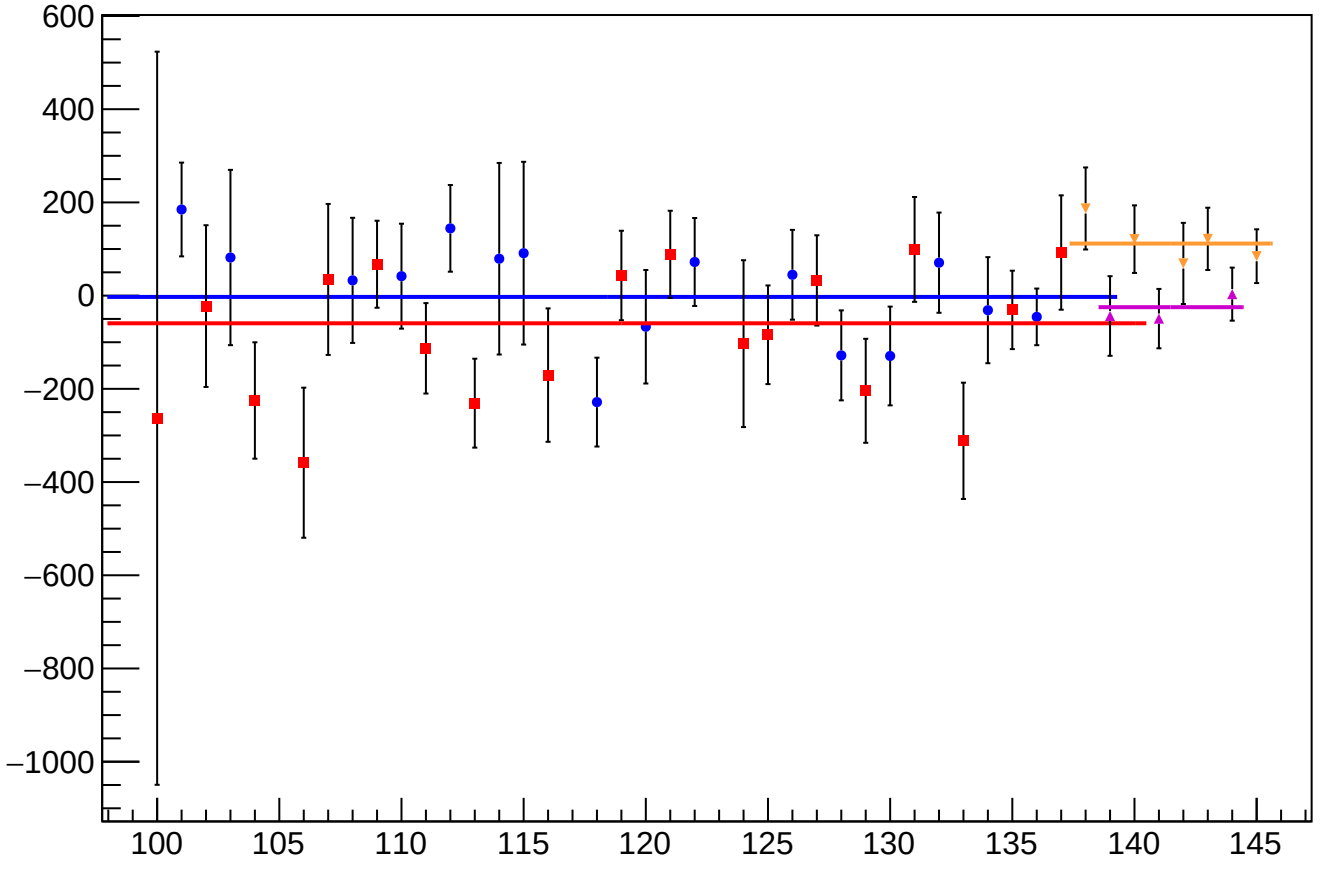
All: 18.302+/-0.003 χ^2/NDF: 2611292.8/42

- sign 18.061+/-0.004 χ^2/NDF: 1306937.6/21


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:7.4/4
Right Out: -0.000+/-0.000 χ²/NDF: 18.6/18
Left In: 0.000+/-0.000 χ²/NDF:2.8/2
+ sign -0.000+/-0.000 χ²/NDF: 27.6/20
All: -0.000+/-0.000 χ²/NDF: 56.5/42
- sign 0.000+/-0.000 χ²/NDF: 25.5/21


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:281545.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:278340.1/2
+ sign 0.000+/-0.000 χ²/NDF: 4946861.0/20
All: 0.000+/-0.000 χ²/NDF: 10709219.1/42
- sign 0.000+/-0.000 χ²/NDF: 5617284.1/21

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

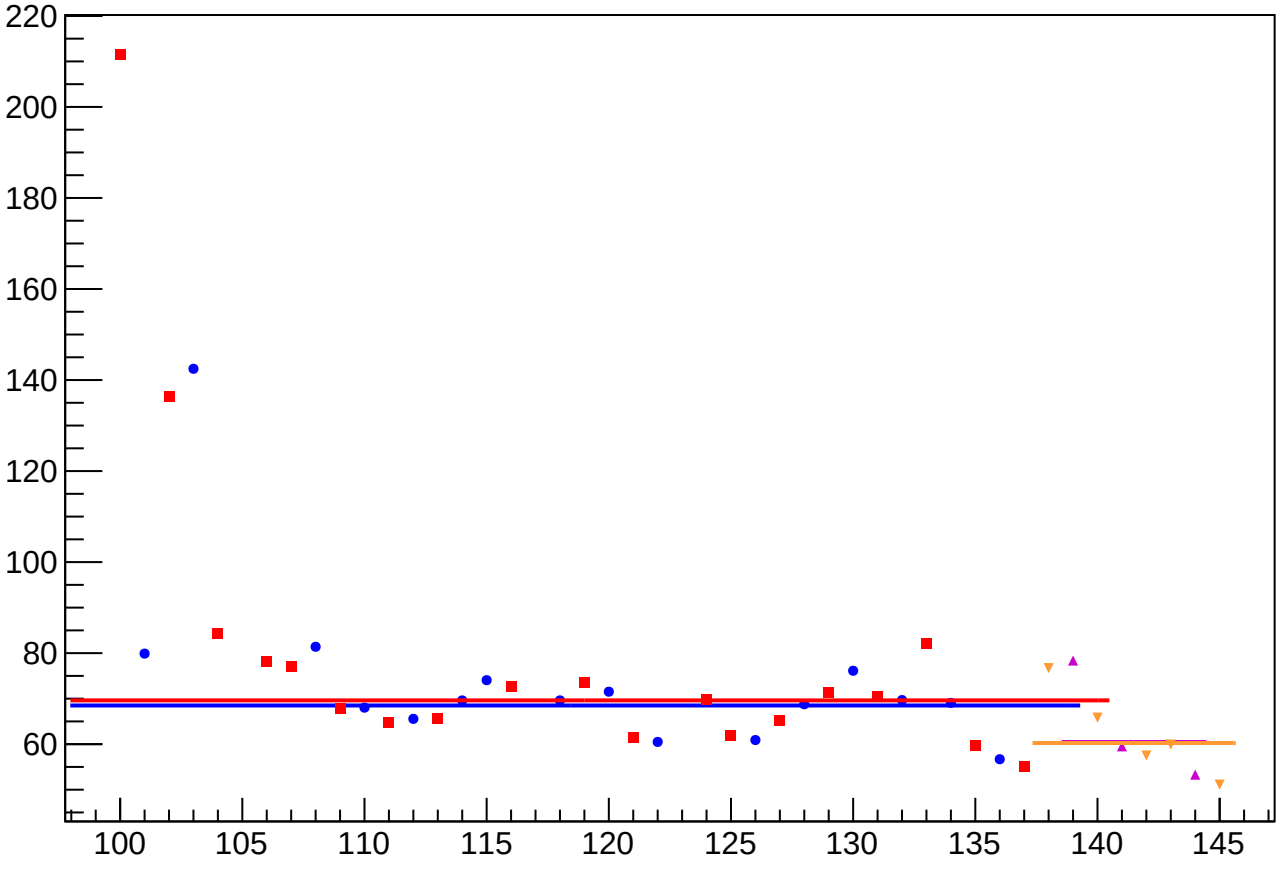
Left In: -24.783+/-38.007 χ^2/NDF:0.4/2

+ sign 43.181+/-20.282 χ^2/NDF: 26.6/20

All: 0.558+/-14.809 χ^2/NDF: 62.7/42

- sign -48.109+/-21.673 χ^2/NDF: 26.7/21

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

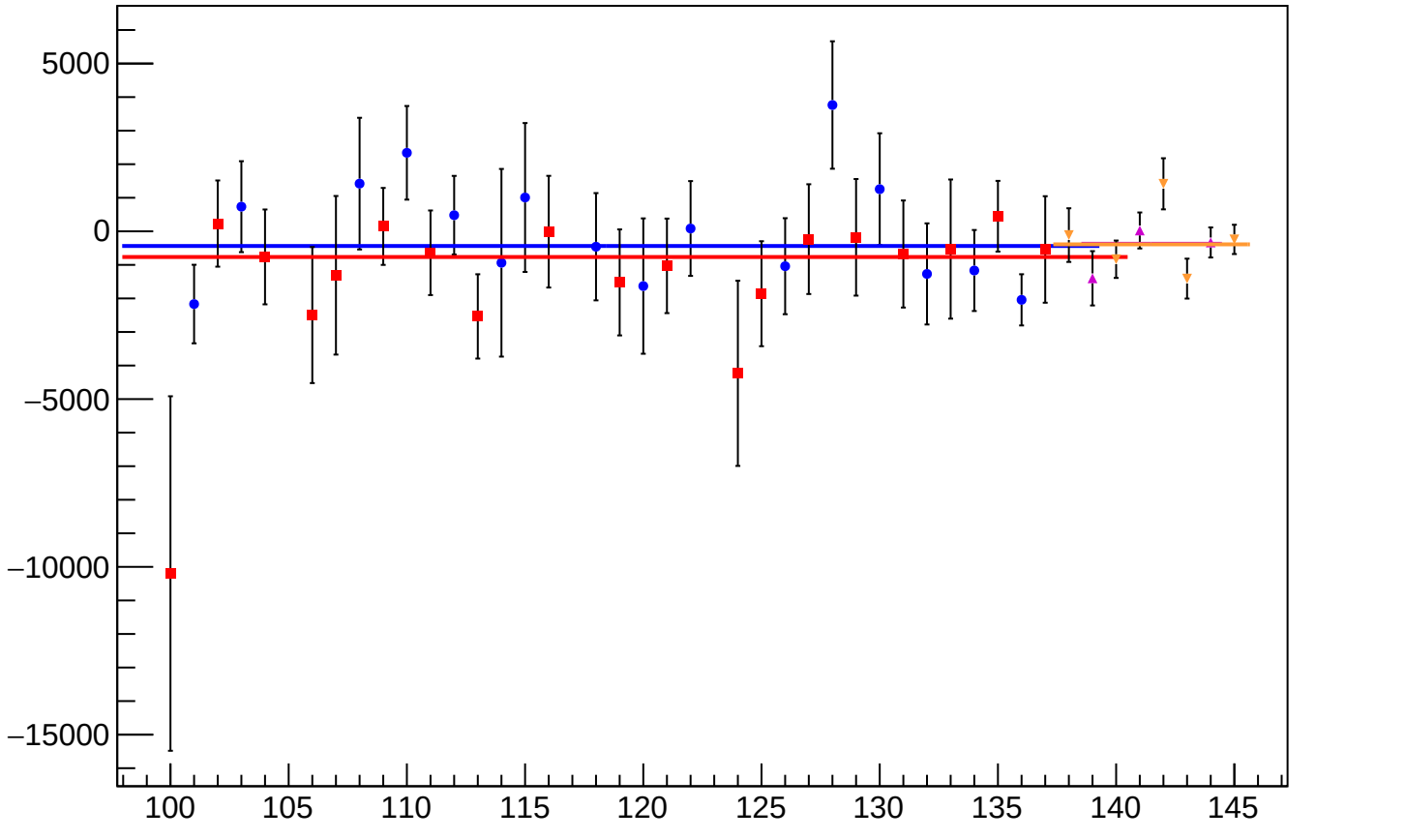
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.481+/-0.027 χ^2/NDF:120009.7/2

+ sign 65.191+/-0.014 χ^2/NDF: 685144.2/20

All: 65.872+/-0.010 χ^2/NDF: 1408407.1/42

- sign 66.648+/-0.015 χ^2/NDF: 718445.5/21



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -388.204+/-261.800 χ^2/NDF:9.4/4

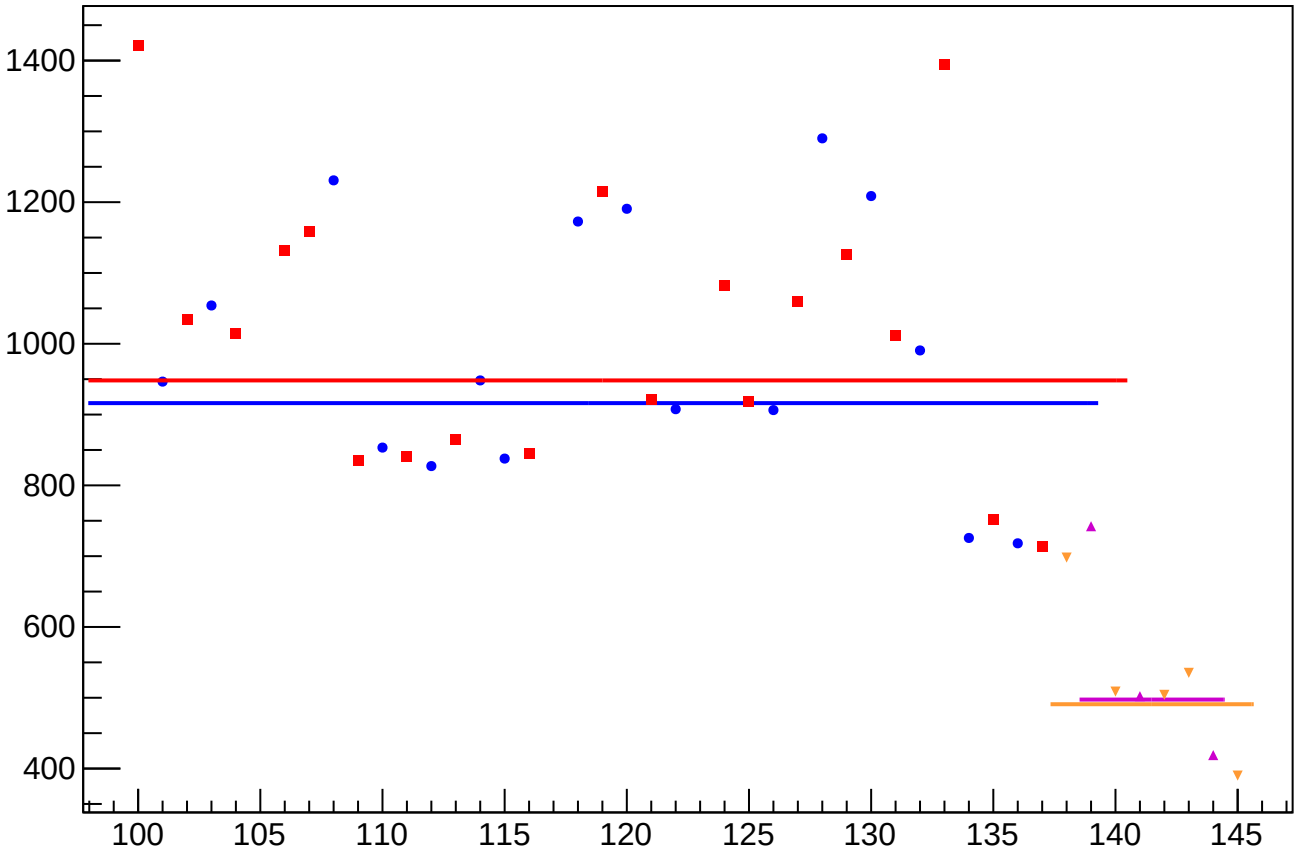
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -371.099+/-316.412 χ^2/NDF:2.2/2

+ sign -405.943+/-209.400 χ^2/NDF: 30.0/20

All: -468.057+/-156.523 χ^2/NDF: 44.4/42

- sign -546.707+/-235.630 χ^2/NDF: 14.2/21



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

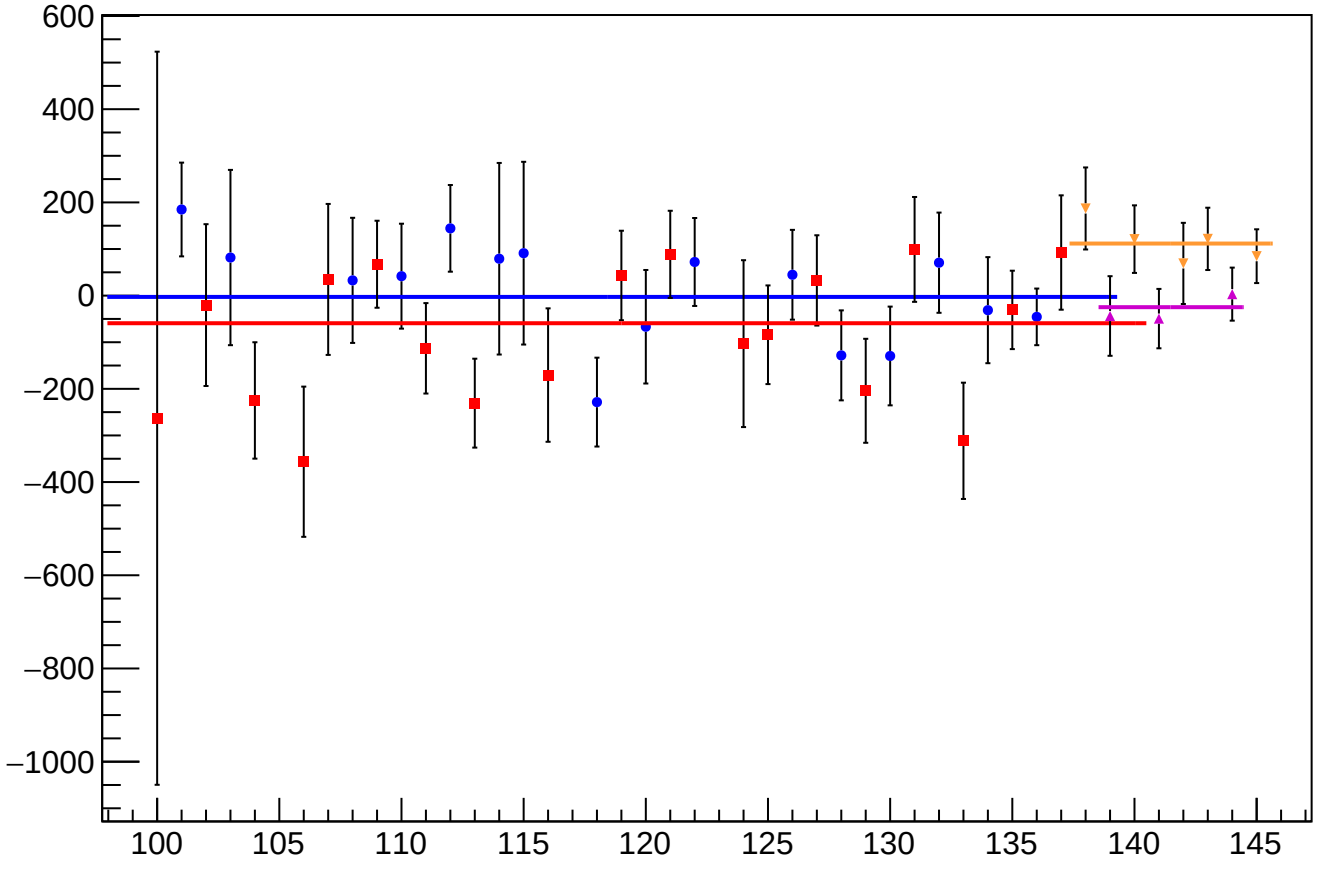
Left In: 497.441+/-0.224 χ^2/NDF:244656.4/2

+ sign 644.084+/-0.148 χ^2/NDF: 2665236.2/20

All: 667.981+/-0.111 χ^2/NDF: 5192383.2/42

- sign 698.240+/-0.167 χ^2/NDF: 2468117.7/21

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

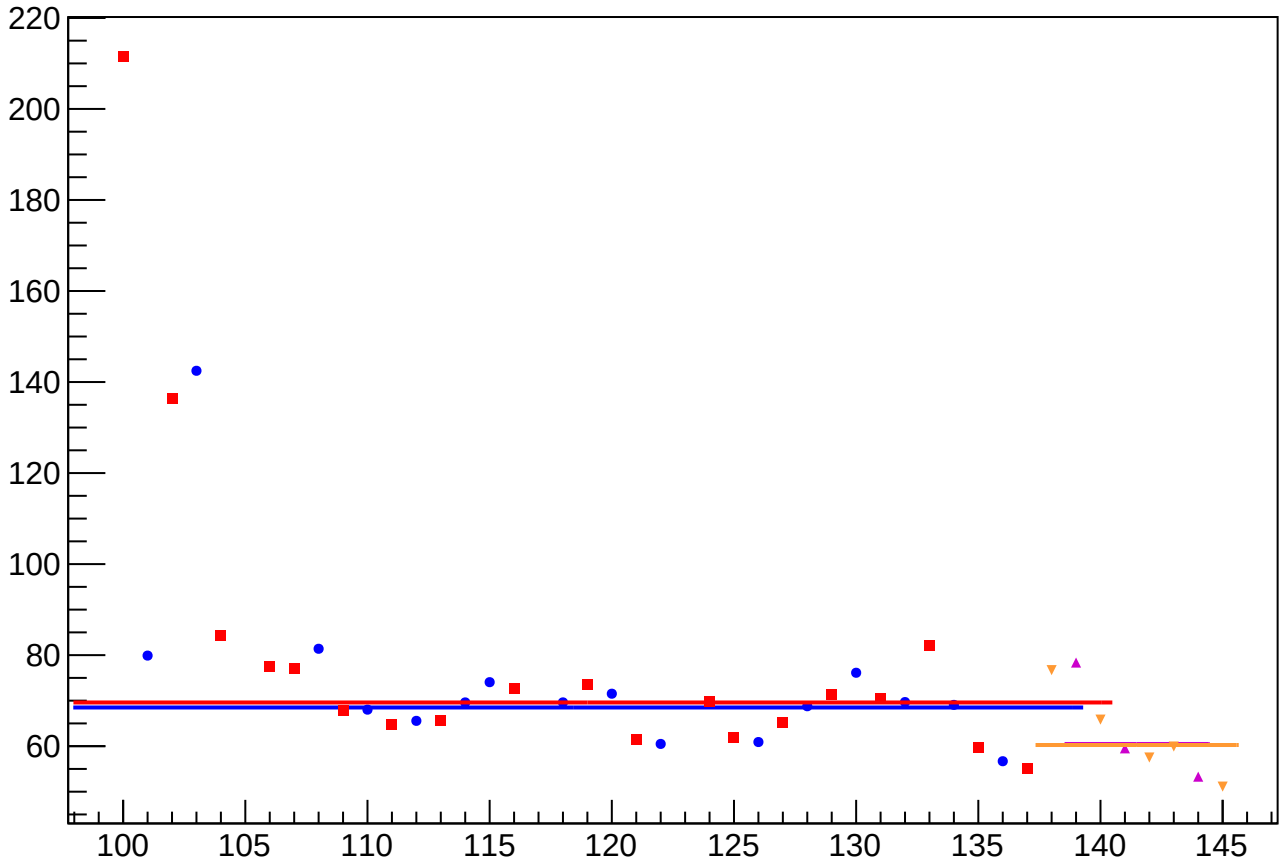
Left In: -24.787+/-38.007 χ^2/NDF:0.4/2

+ sign 43.180+/-20.282 χ^2/NDF: 26.6/20

All: 0.597+/-14.809 χ^2/NDF: 62.7/42

- sign -48.028+/-21.673 χ^2/NDF: 26.6/21

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

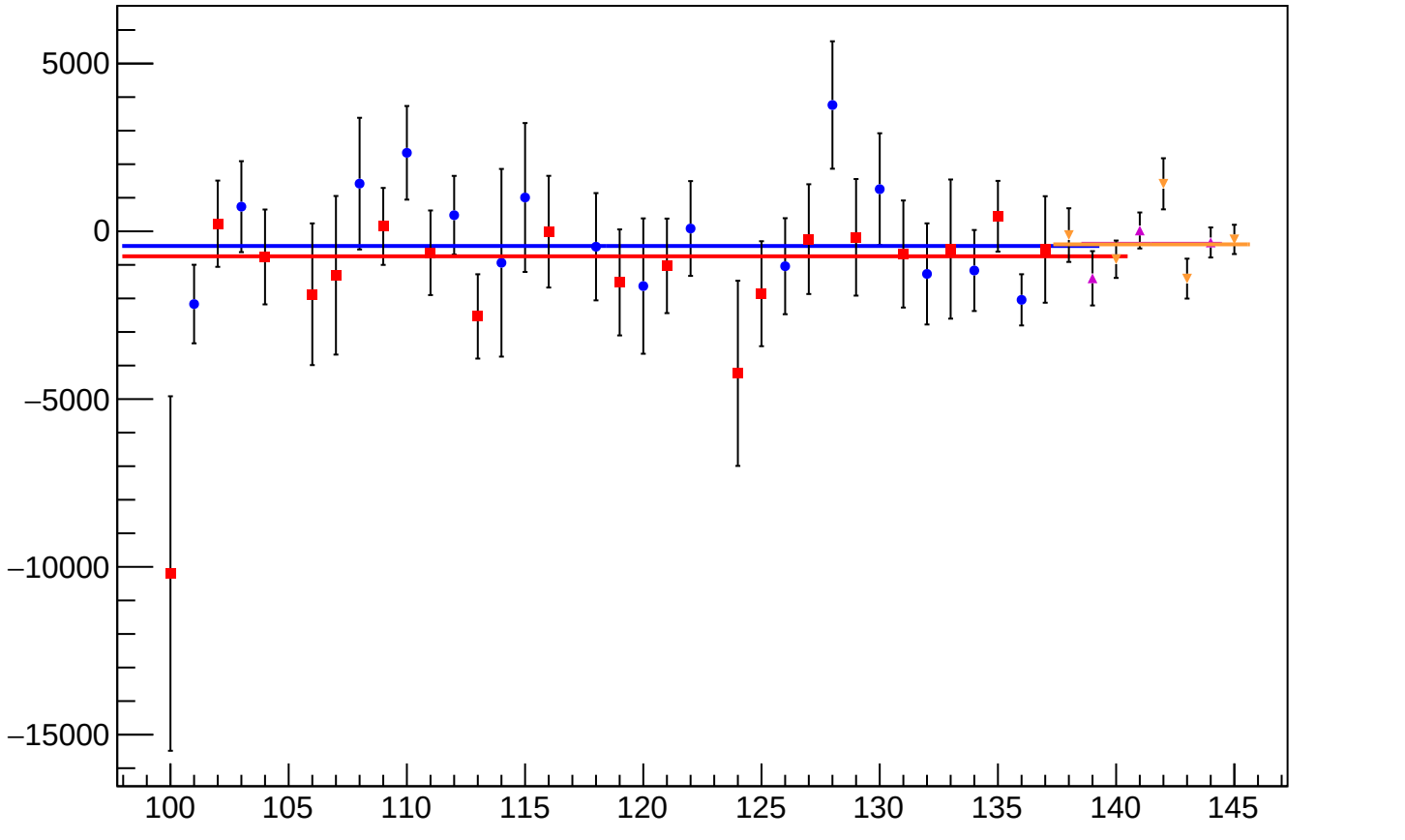
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.481+/-0.027 χ^2/NDF:120009.7/2

+ sign 65.191+/-0.014 χ^2/NDF: 685147.2/20

All: 65.865+/-0.010 χ^2/NDF: 1407377.9/42

- sign 66.635+/-0.015 χ^2/NDF: 717500.0/21



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

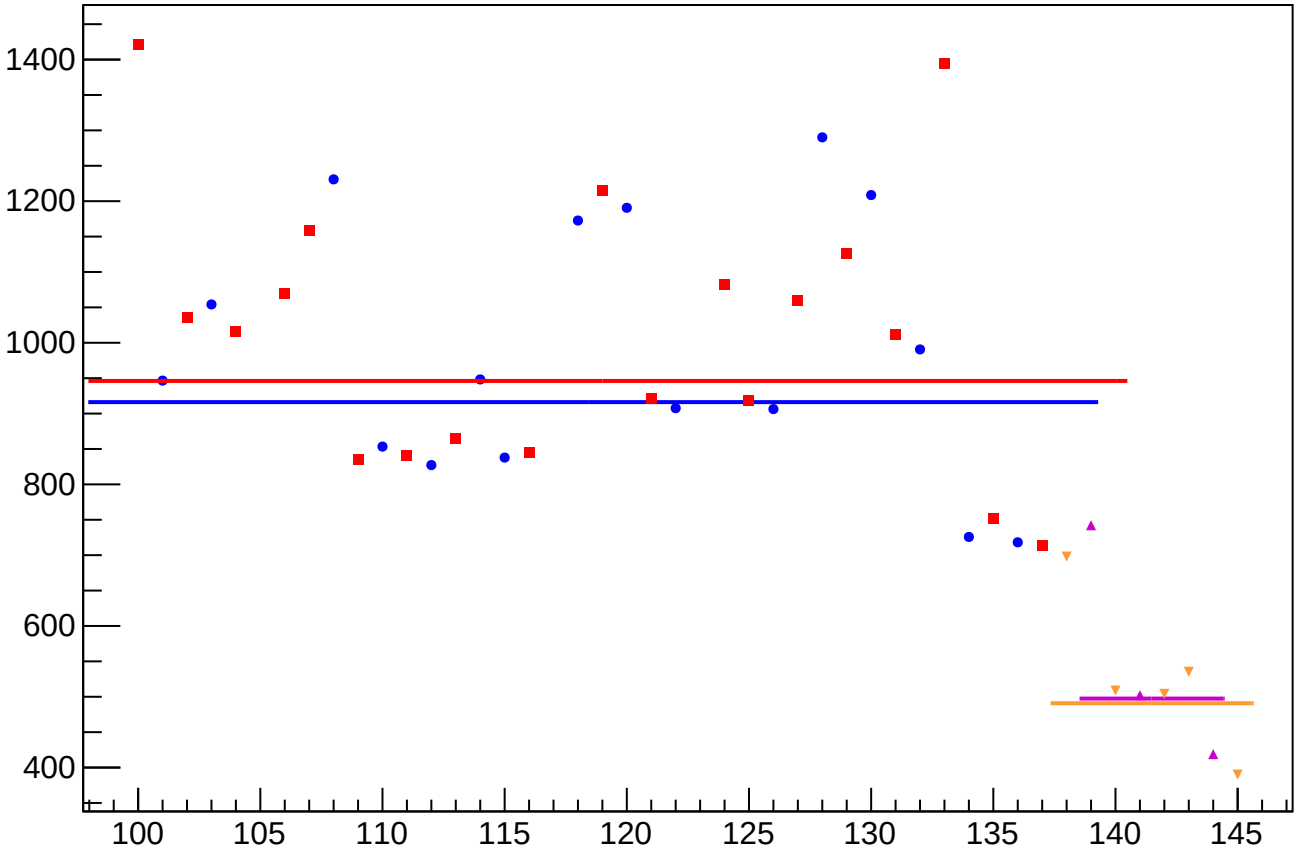
Left In: -371.107+/-316.412 χ^2/NDF:2.2/2

+ sign -405.927+/-209.400 χ^2/NDF: 30.0/20

All: -463.796+/-156.561 χ^2/NDF: 43.8/42

- sign -537.151+/-235.759 χ^2/NDF: 13.7/21

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

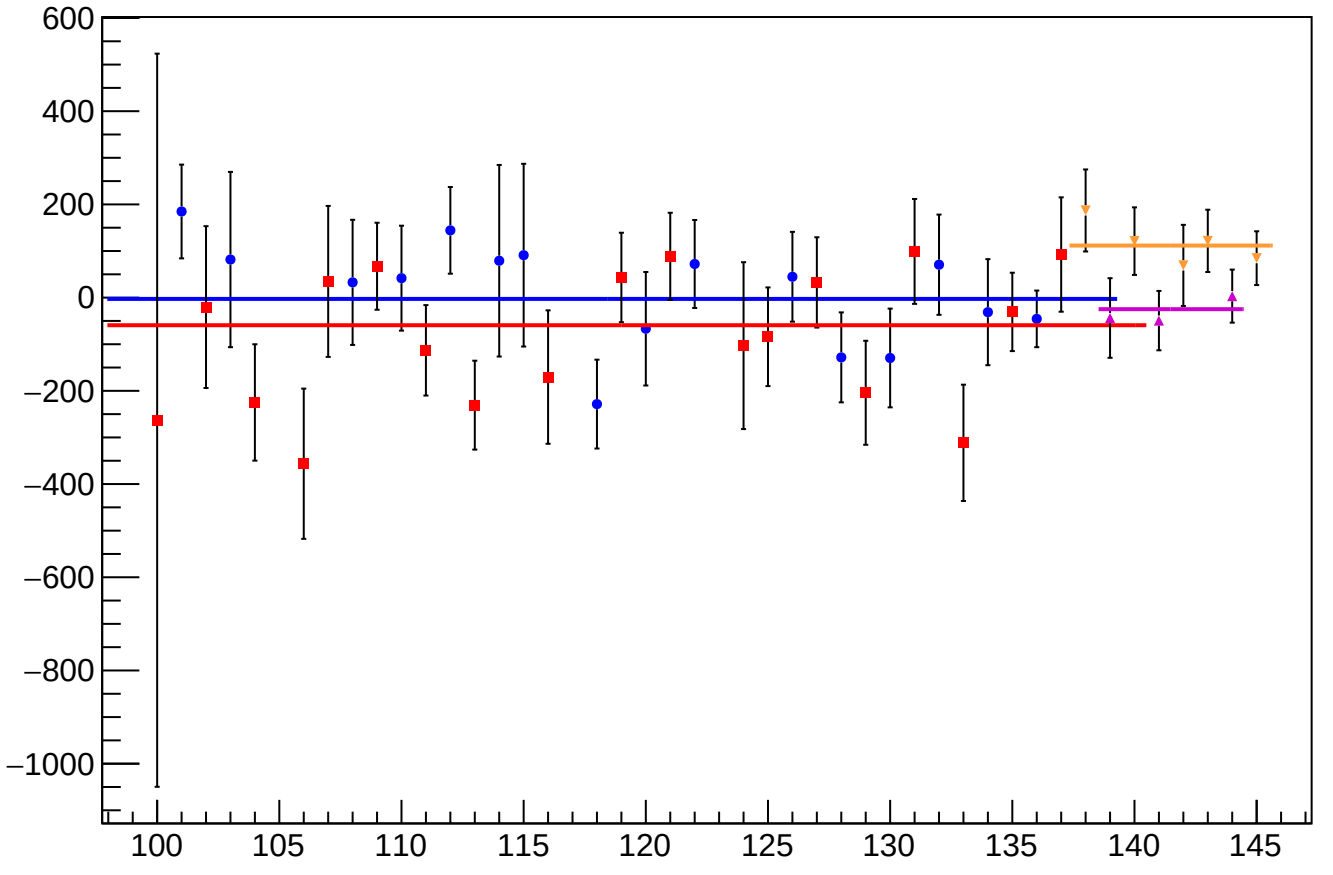
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 497.442+/-0.224 χ^2/NDF:244655.7/2

+ sign 644.084+/-0.148 χ^2/NDF: 2665285.8/20

All: 667.425+/-0.111 χ^2/NDF: 5160367.1/42

- sign 697.012+/-0.167 χ^2/NDF: 2438732.1/21



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

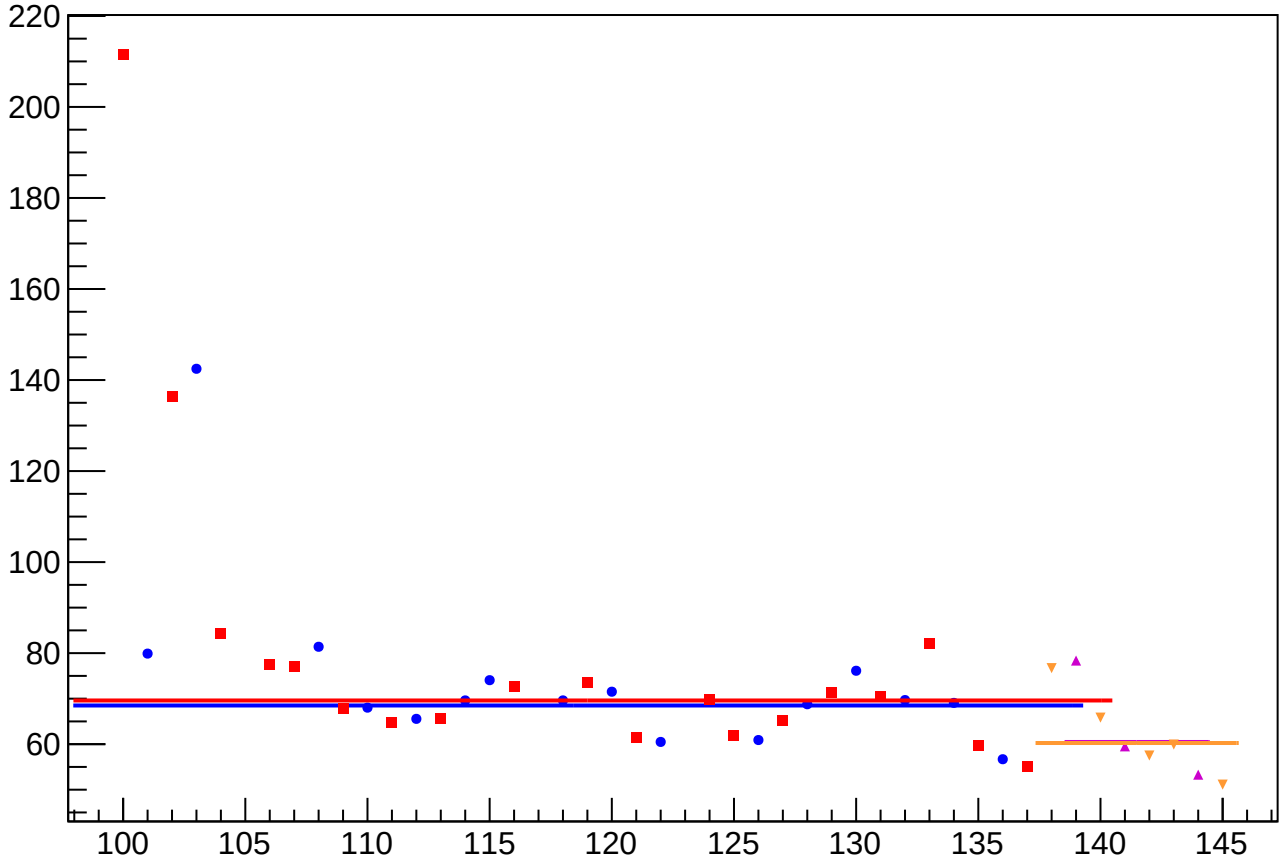
Left In: -24.787+/-38.007 χ^2/NDF:0.4/2

+ sign 43.180+/-20.282 χ^2/NDF: 26.6/20

All: 0.597+/-14.809 χ^2/NDF: 62.7/42

- sign -48.028+/-21.673 χ^2/NDF: 26.6/21

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

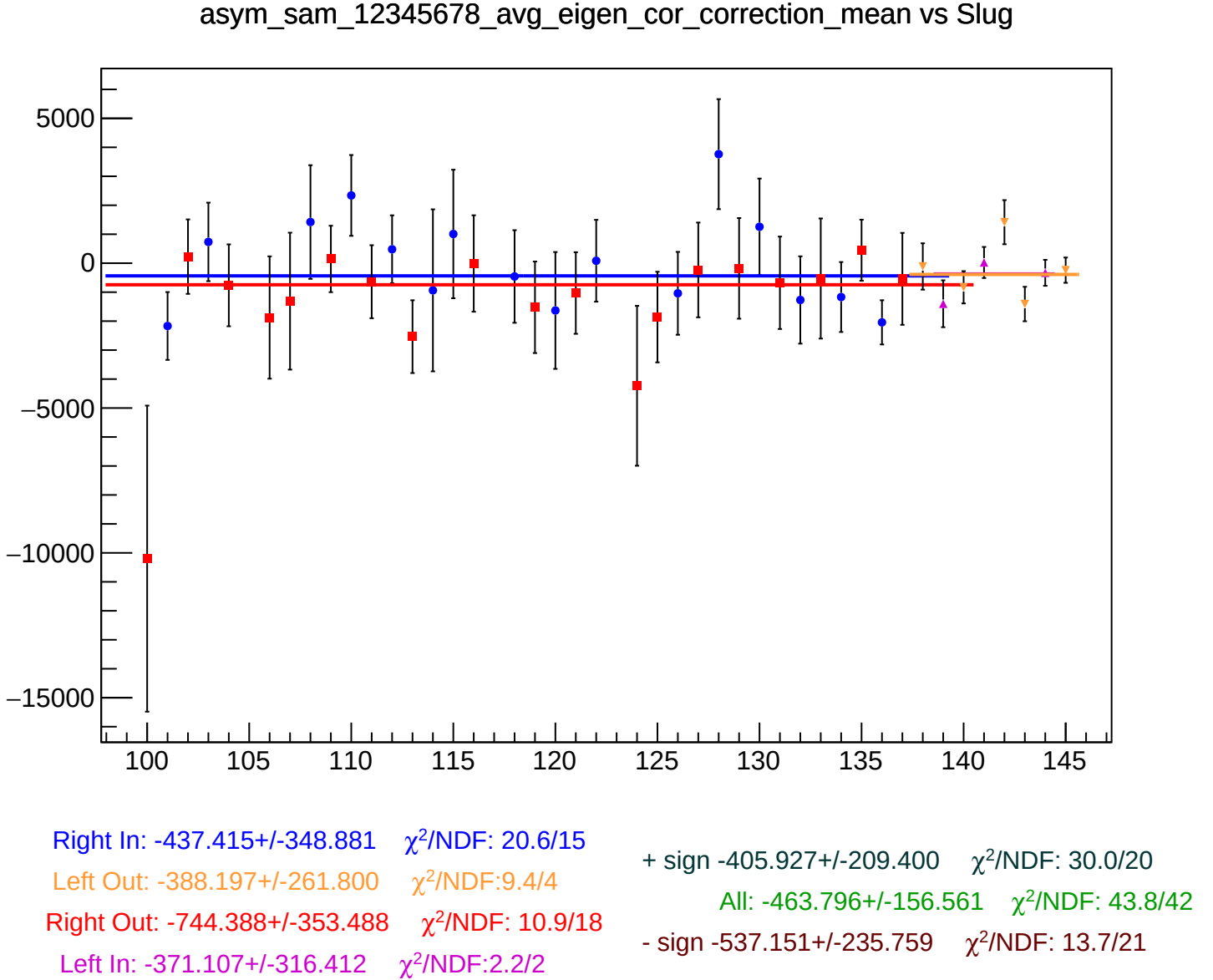
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.481+/-0.027 χ^2/NDF:120009.7/2

+ sign 65.191+/-0.014 χ^2/NDF: 685147.2/20

All: 65.865+/-0.010 χ^2/NDF: 1407377.9/42

- sign 66.635+/-0.015 χ^2/NDF: 717500.0/21



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -388.197+/-261.800 χ^2/NDF:9.4/4

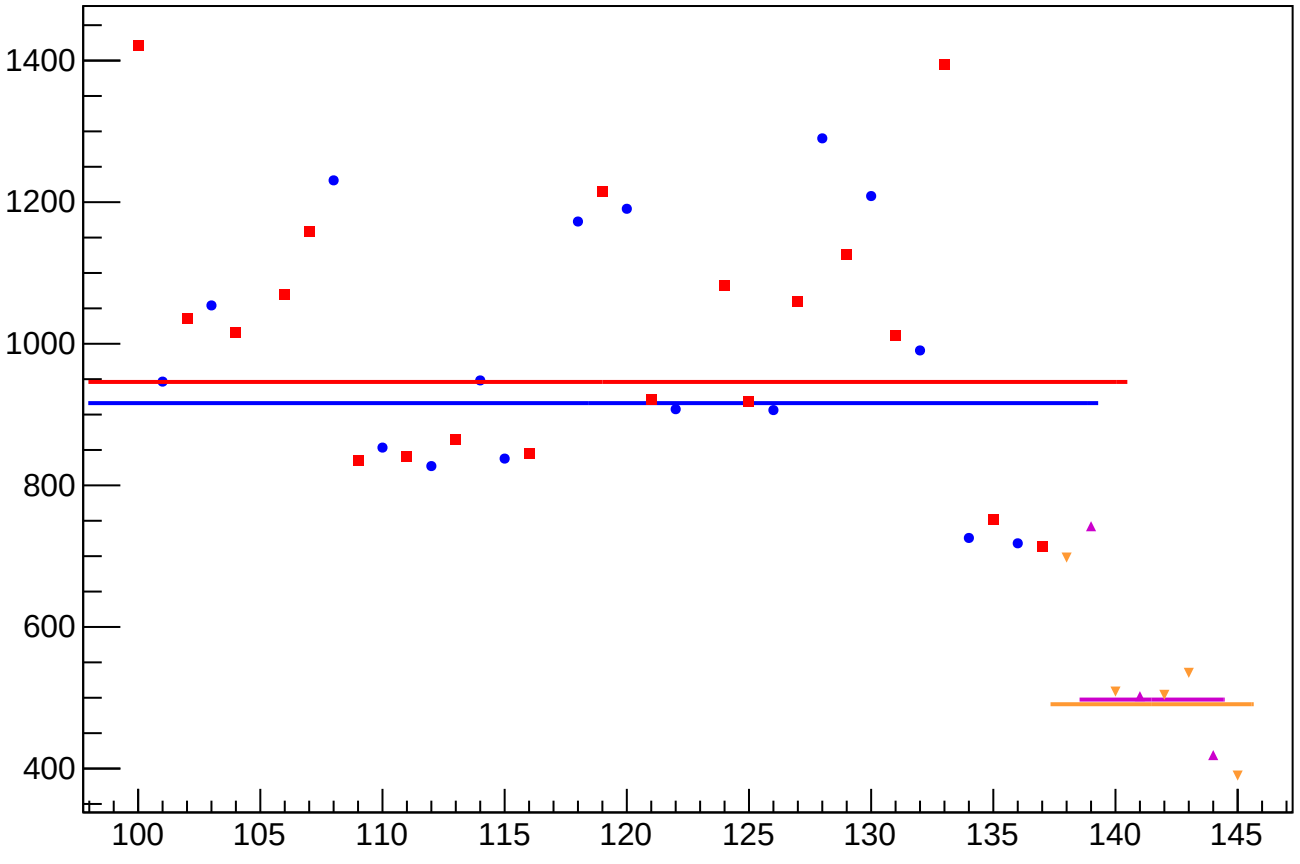
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -371.107+/-316.412 χ^2/NDF:2.2/2

+ sign -405.927+/-209.400 χ^2/NDF: 30.0/20

All: -463.796+/-156.561 χ^2/NDF: 43.8/42

- sign -537.151+/-235.759 χ^2/NDF: 13.7/21



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

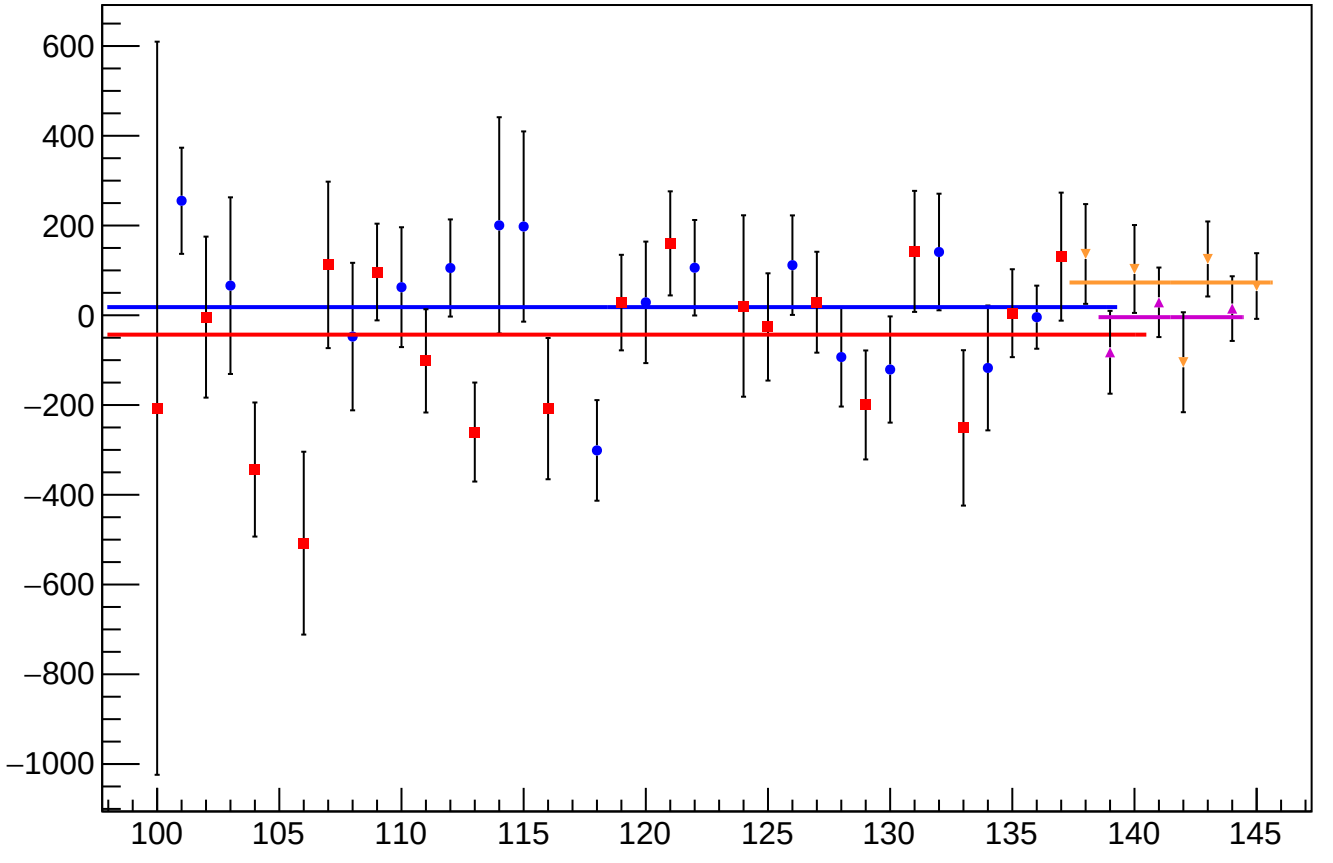
Left In: 497.442+/-0.224 χ^2/NDF:244655.7/2

+ sign 644.084+/-0.148 χ^2/NDF: 2665285.8/20

All: 667.425+/-0.111 χ^2/NDF: 5160367.1/42

- sign 697.012+/-0.167 χ^2/NDF: 2438732.1/21

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

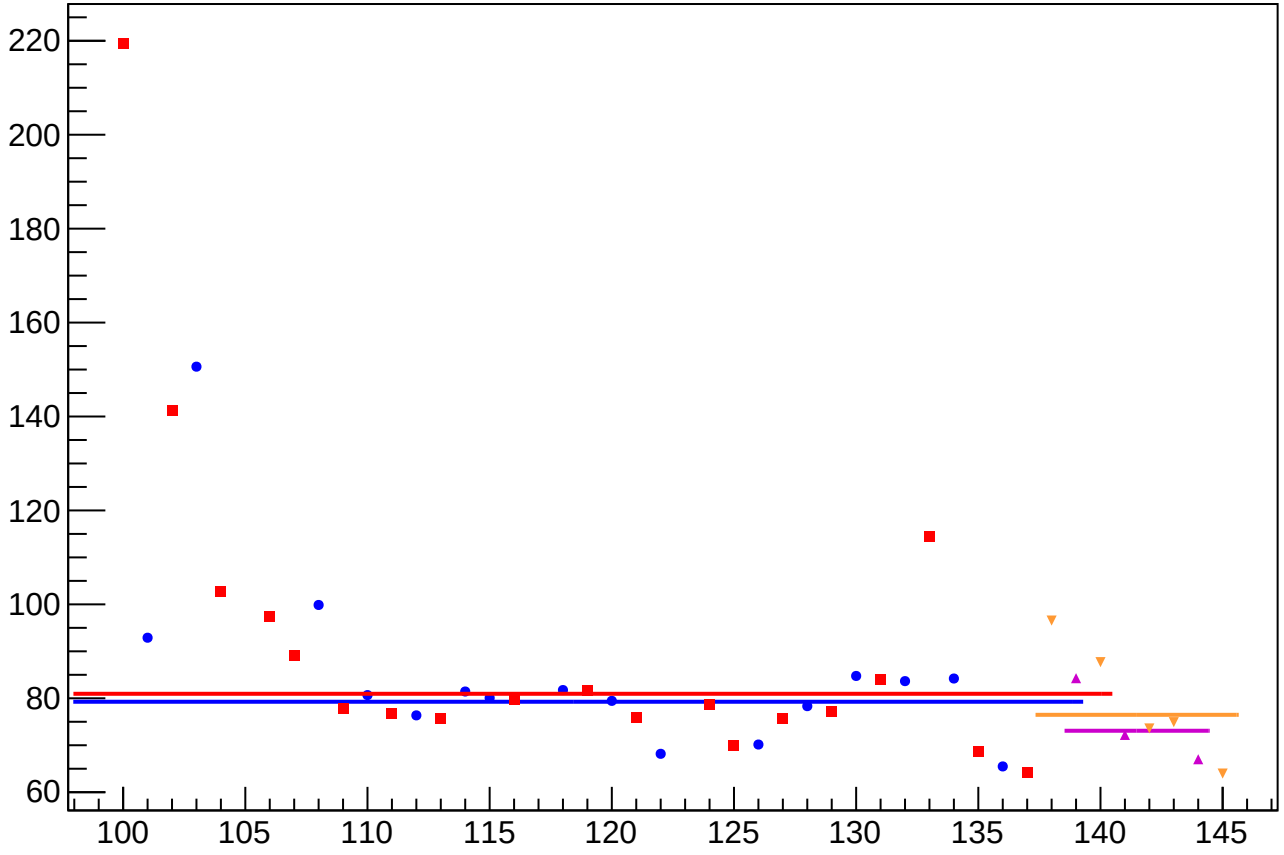
Left In: -4.206+/-45.800 χ^2/NDF:1.0/2

+ sign 37.609+/-24.386 χ^2/NDF: 24.7/20

All: 4.809+/-17.626 χ^2/NDF: 57.6/42

- sign -31.070+/-25.505 χ^2/NDF: 29.2/21

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

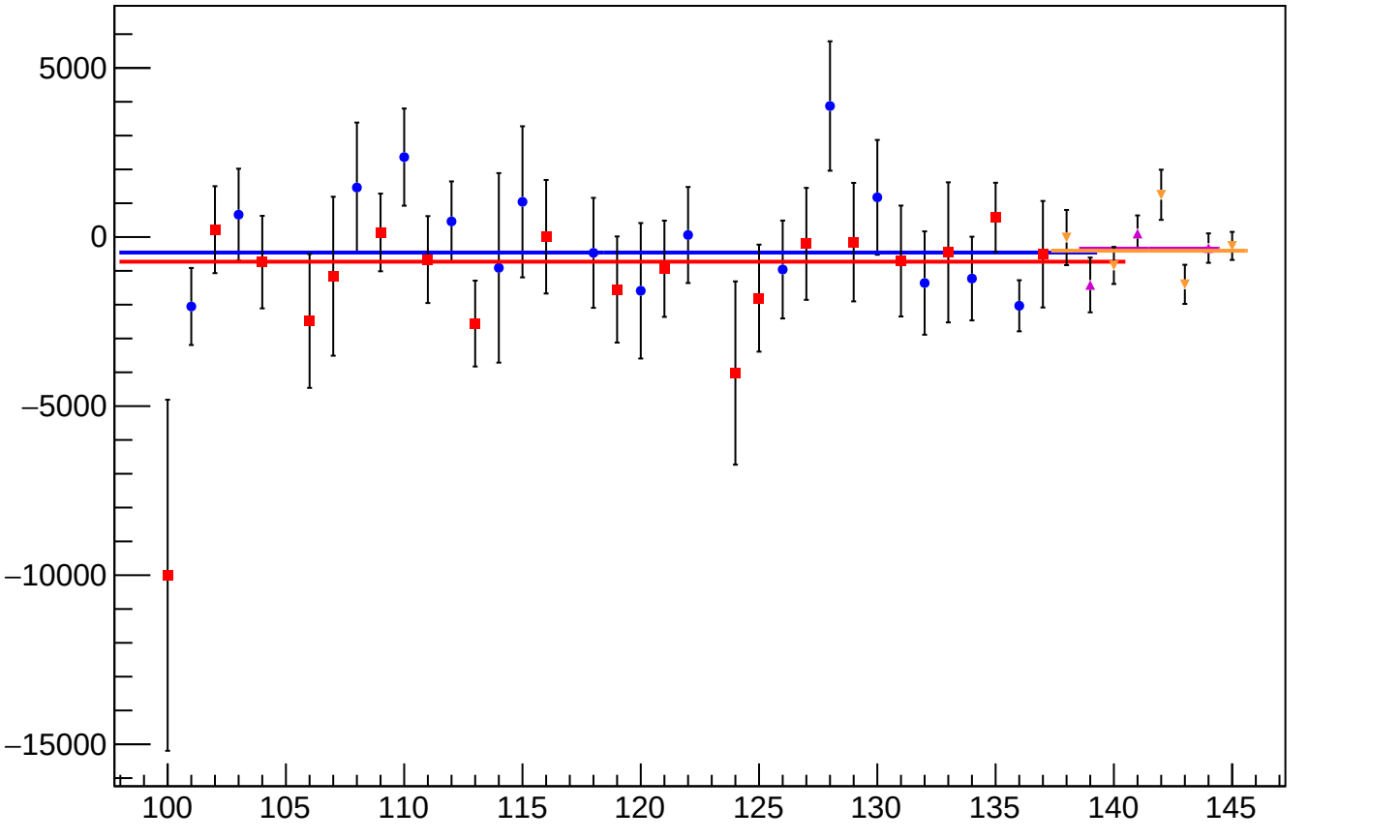
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.087+/-0.032 χ^2/NDF:43858.5/2

+ sign 78.277+/-0.017 χ^2/NDF: 602825.1/20

All: 78.392+/-0.012 χ^2/NDF: 1201714.9/42

- sign 78.517+/-0.018 χ^2/NDF: 598797.4/21



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

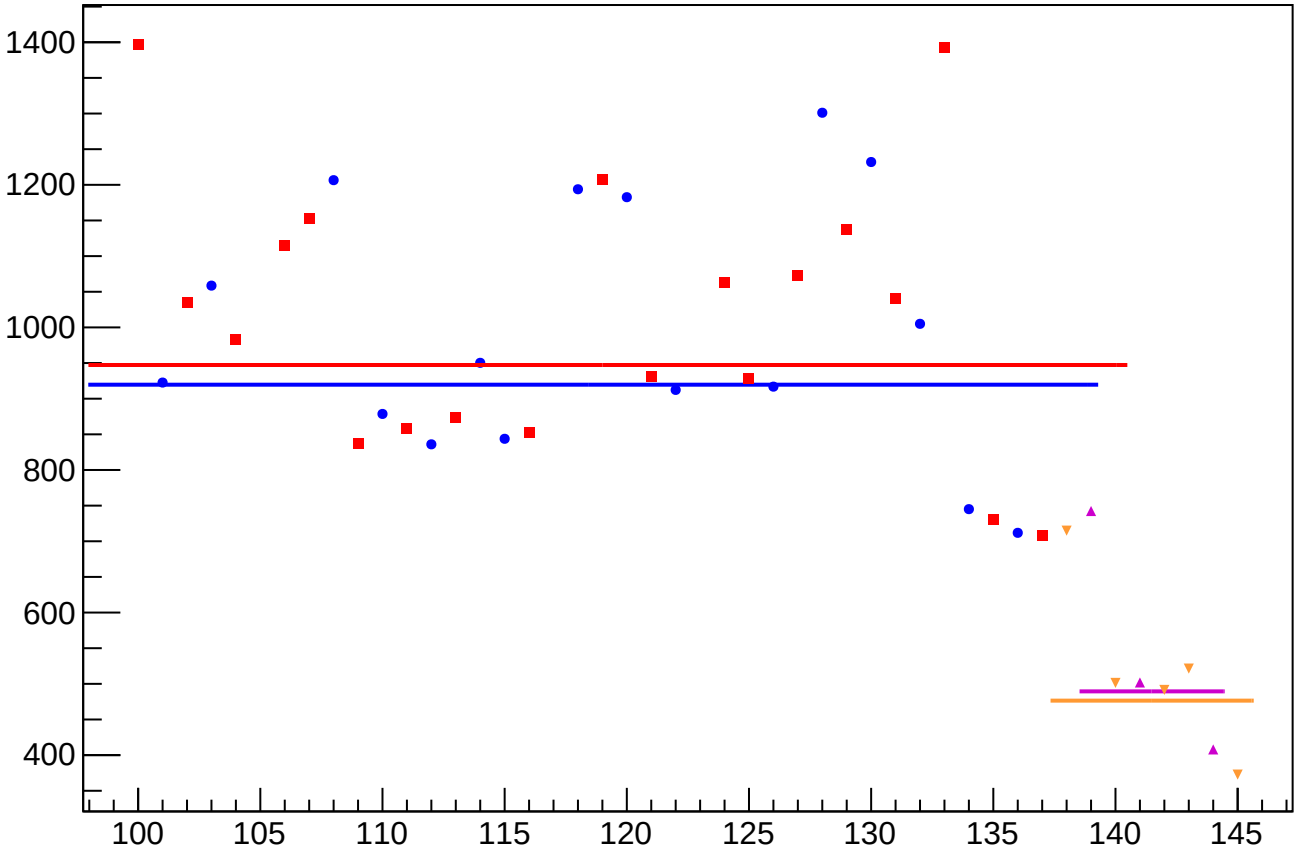
Left In: -342.436+/-311.725 χ^2/NDF:2.5/2

+ sign -422.979+/-205.833 χ^2/NDF: 29.2/20

All: -461.867+/-154.416 χ^2/NDF: 43.9/42

- sign -511.928+/-233.536 χ^2/NDF: 14.7/21

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

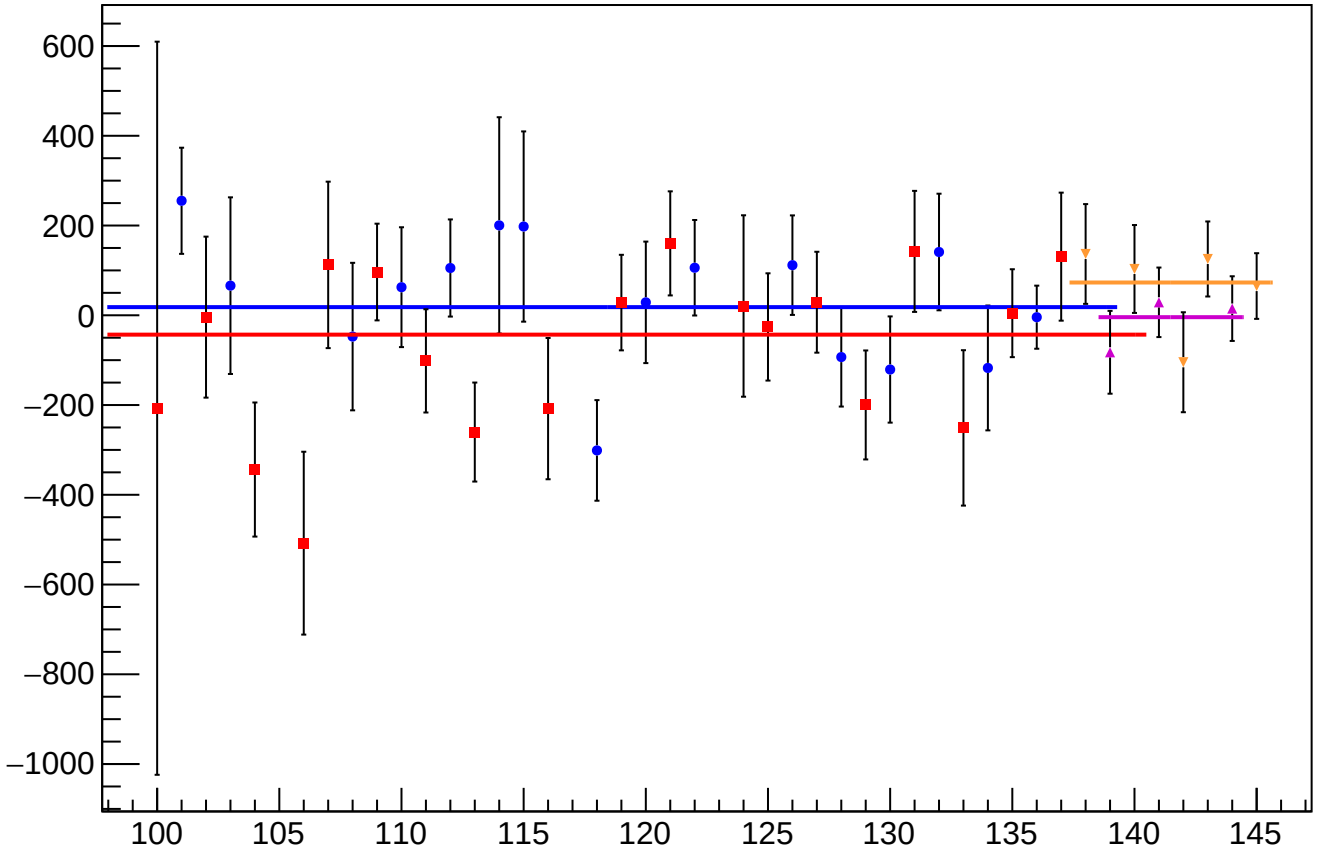
Left In: 489.447+/-0.220 χ^2/NDF:266354.8/2

+ sign 629.666+/-0.146 χ^2/NDF: 2925496.9/20

All: 656.181+/-0.109 χ^2/NDF: 5586077.1/42

- sign 690.313+/-0.165 χ^2/NDF: 2584670.9/21

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

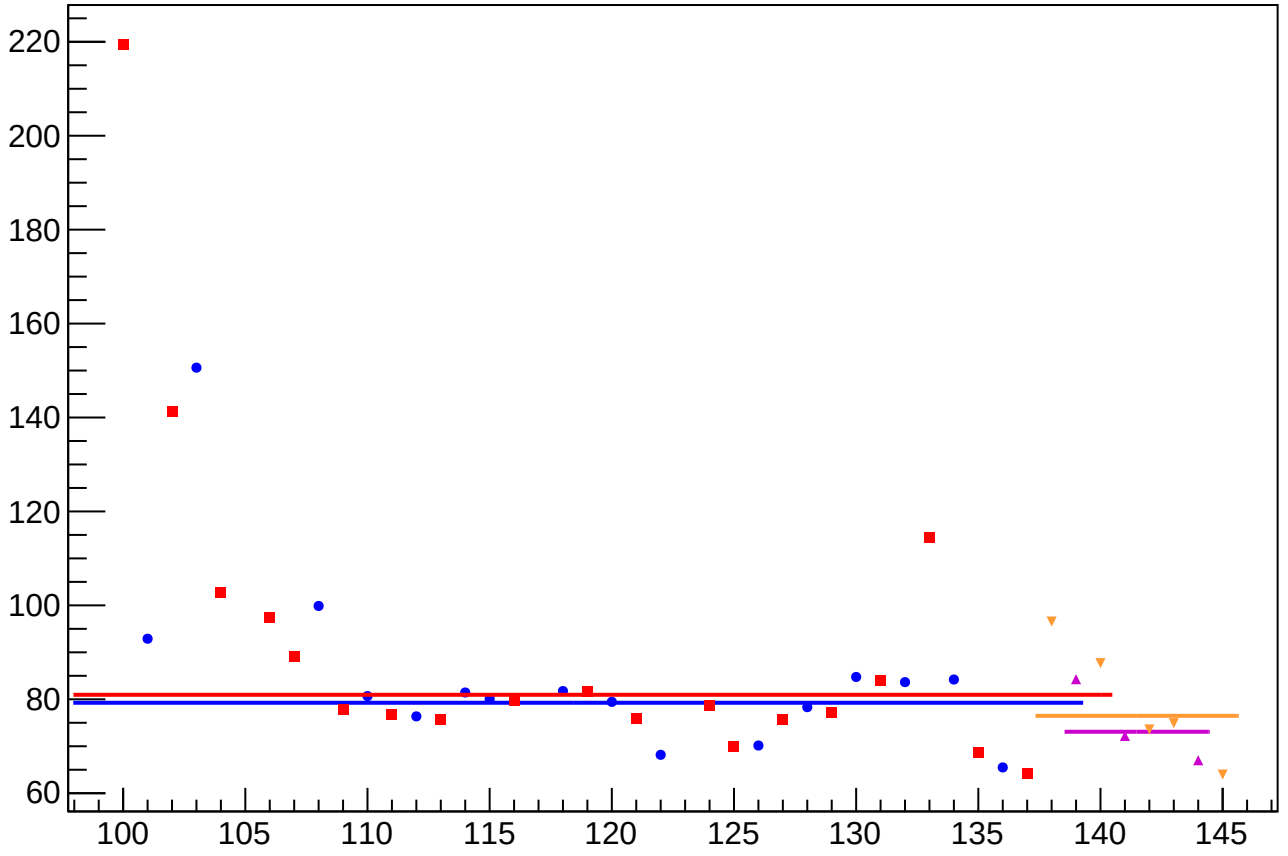
Left In: -4.207+/-45.800 χ^2/NDF:1.0/2

+ sign 37.608+/-24.386 χ^2/NDF: 24.7/20

All: 4.810+/-17.626 χ^2/NDF: 57.6/42

- sign -31.069+/-25.505 χ^2/NDF: 29.2/21

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

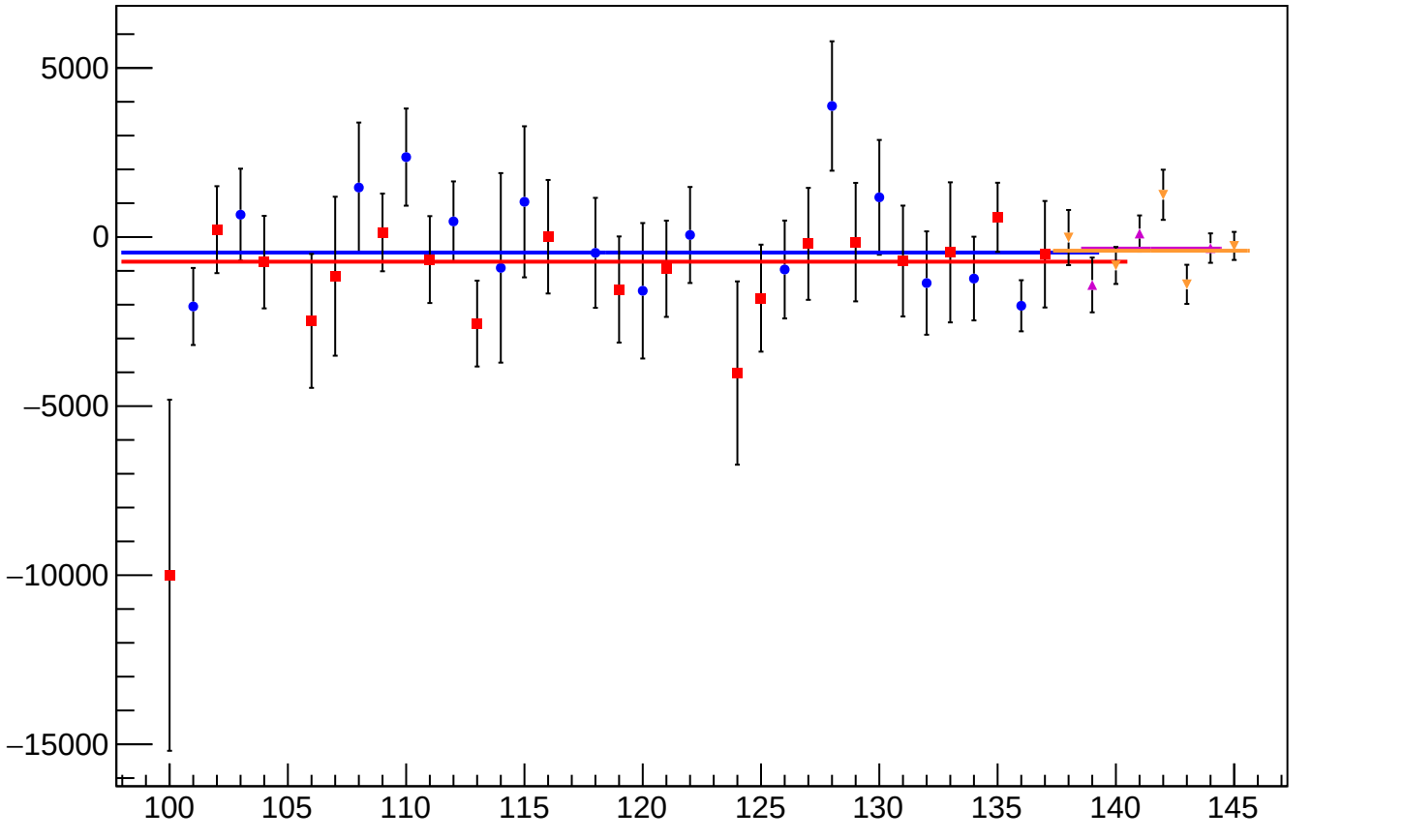
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.087+/-0.032 χ^2/NDF:43856.6/2

+ sign 78.277+/-0.017 χ^2/NDF: 602810.9/20

All: 78.392+/-0.012 χ^2/NDF: 1201702.1/42

- sign 78.517+/-0.018 χ^2/NDF: 598798.8/21



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -404.420+/-254.465 χ^2/NDF:8.9/4

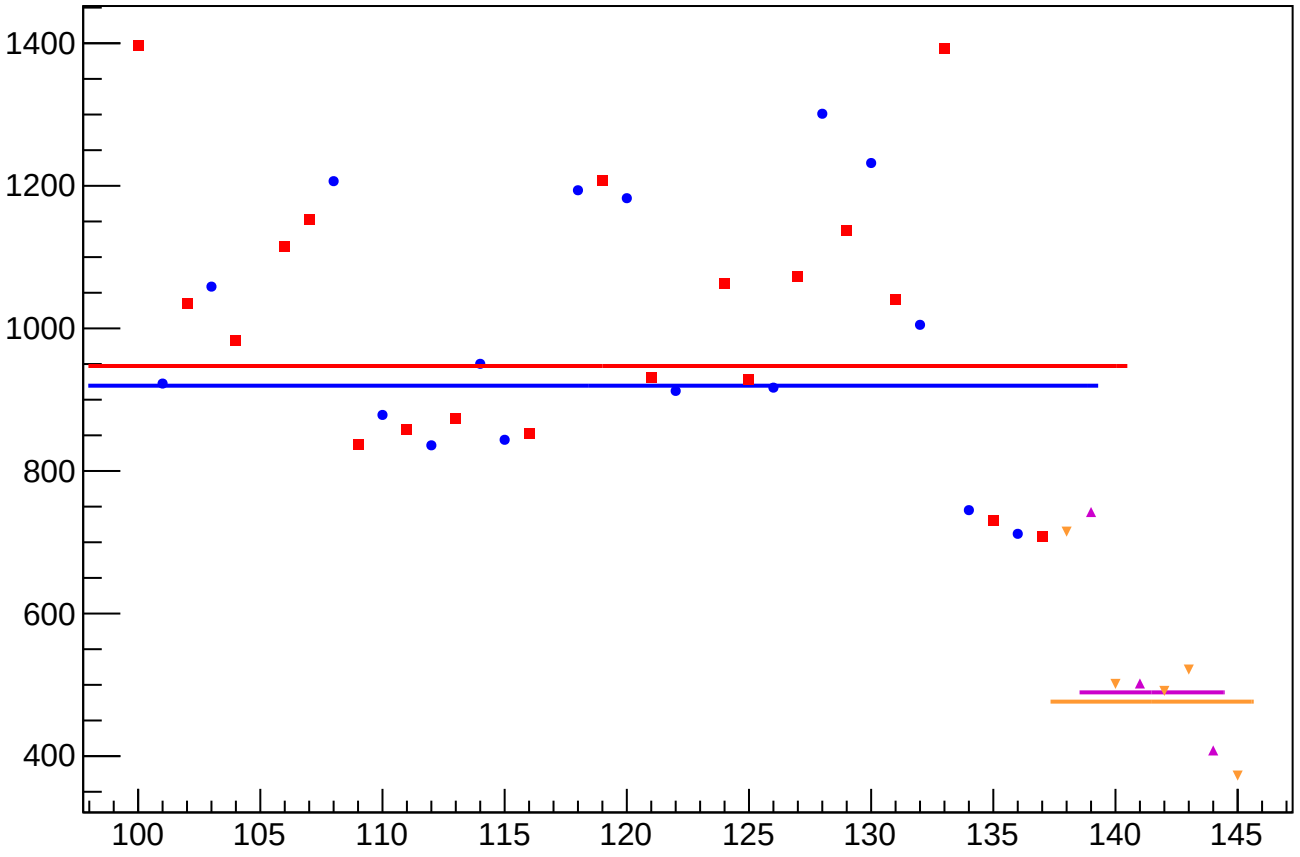
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -342.437+/-311.725 χ^2/NDF:2.5/2

+ sign -422.979+/-205.833 χ^2/NDF: 29.2/20

All: -461.867+/-154.416 χ^2/NDF: 43.9/42

- sign -511.927+/-233.536 χ^2/NDF: 14.7/21



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

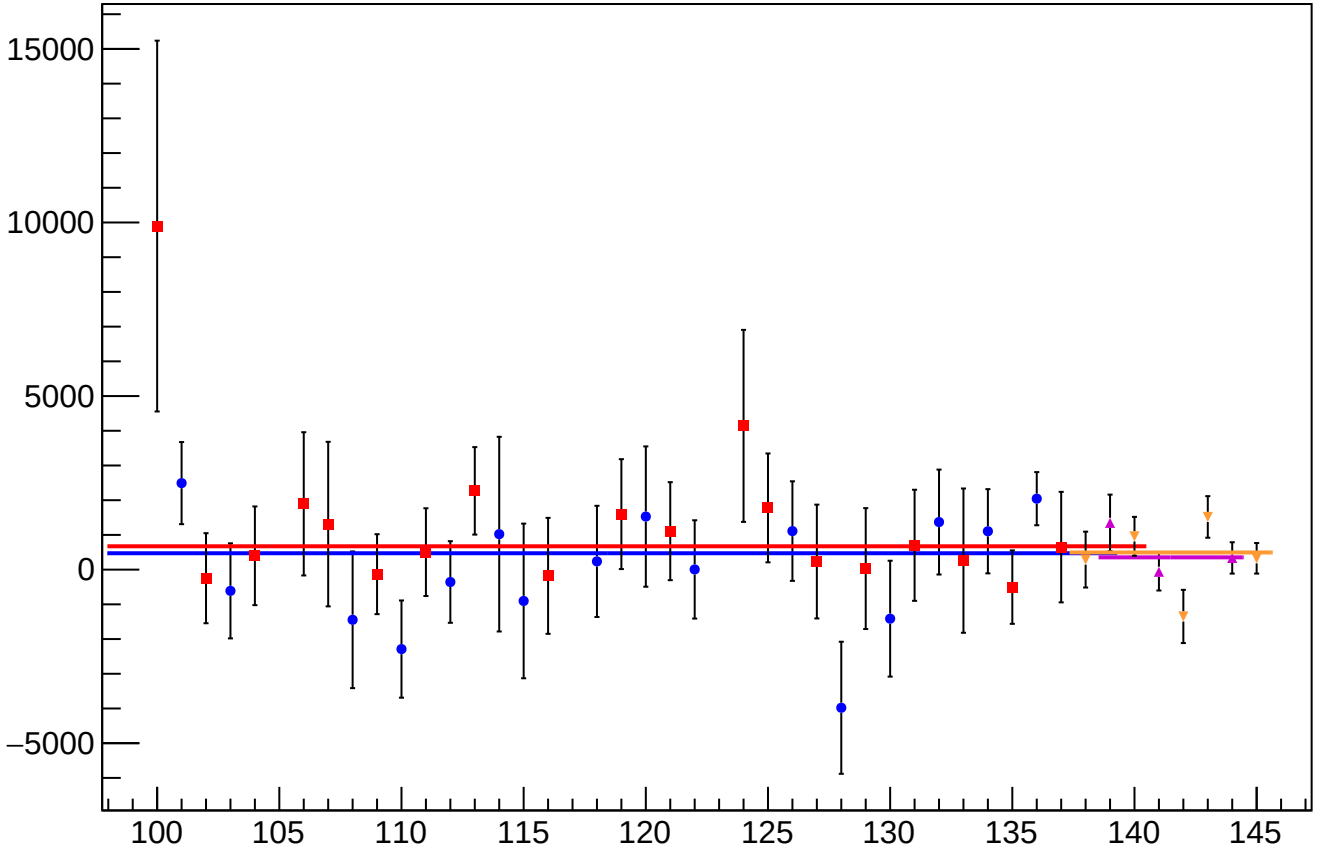
Left In: 489.446+/-0.220 χ^2/NDF:266354.3/2

+ sign 629.665+/-0.146 χ^2/NDF: 2925498.2/20

All: 656.180+/-0.109 χ^2/NDF: 5586075.4/42

- sign 690.312+/-0.165 χ^2/NDF: 2584667.1/21

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

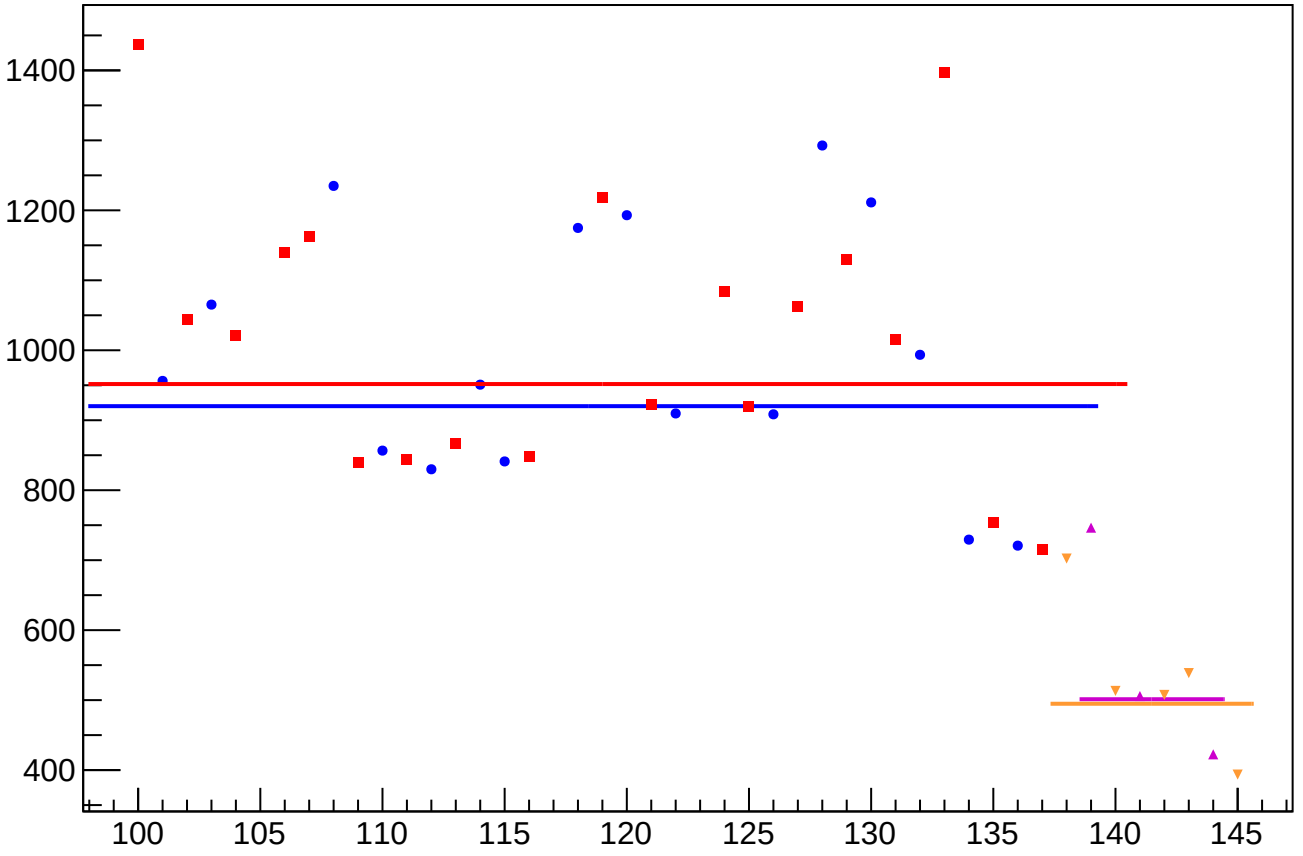
Left In: 353.399+/-318.779 χ^2/NDF:2.1/2

+ sign 486.373+/-210.778 χ^2/NDF: 31.1/20

All: 490.658+/-157.513 χ^2/NDF: 43.9/42

- sign 496.078+/-237.040 χ^2/NDF: 12.8/21

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

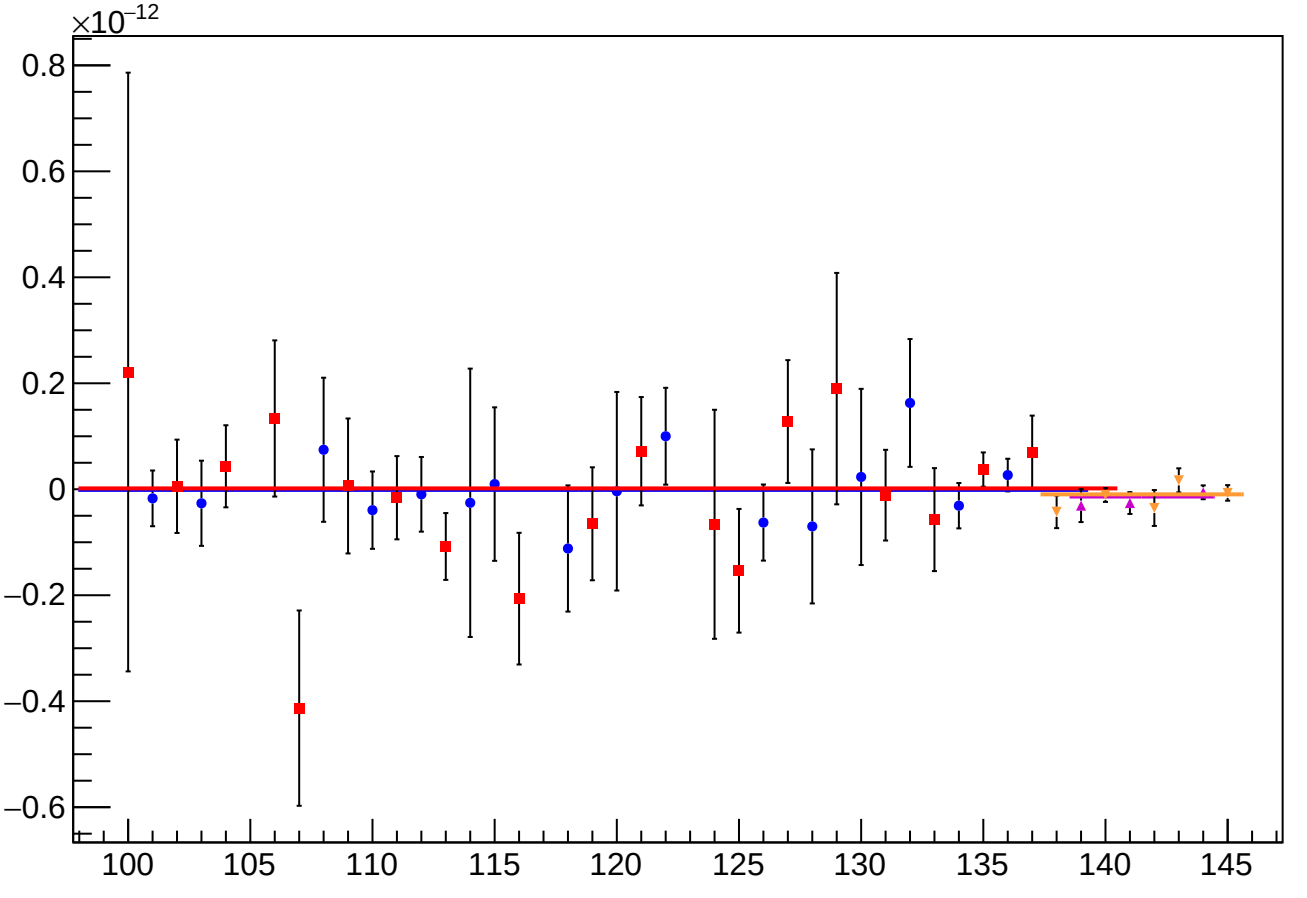
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 501.280+/-0.225 χ^2/NDF:242636.6/2

+ sign 648.731+/-0.149 χ^2/NDF: 2641296.5/20

All: 672.545+/-0.111 χ^2/NDF: 5143196.7/42

- sign 702.664+/-0.168 χ^2/NDF: 2444079.8/21



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/4

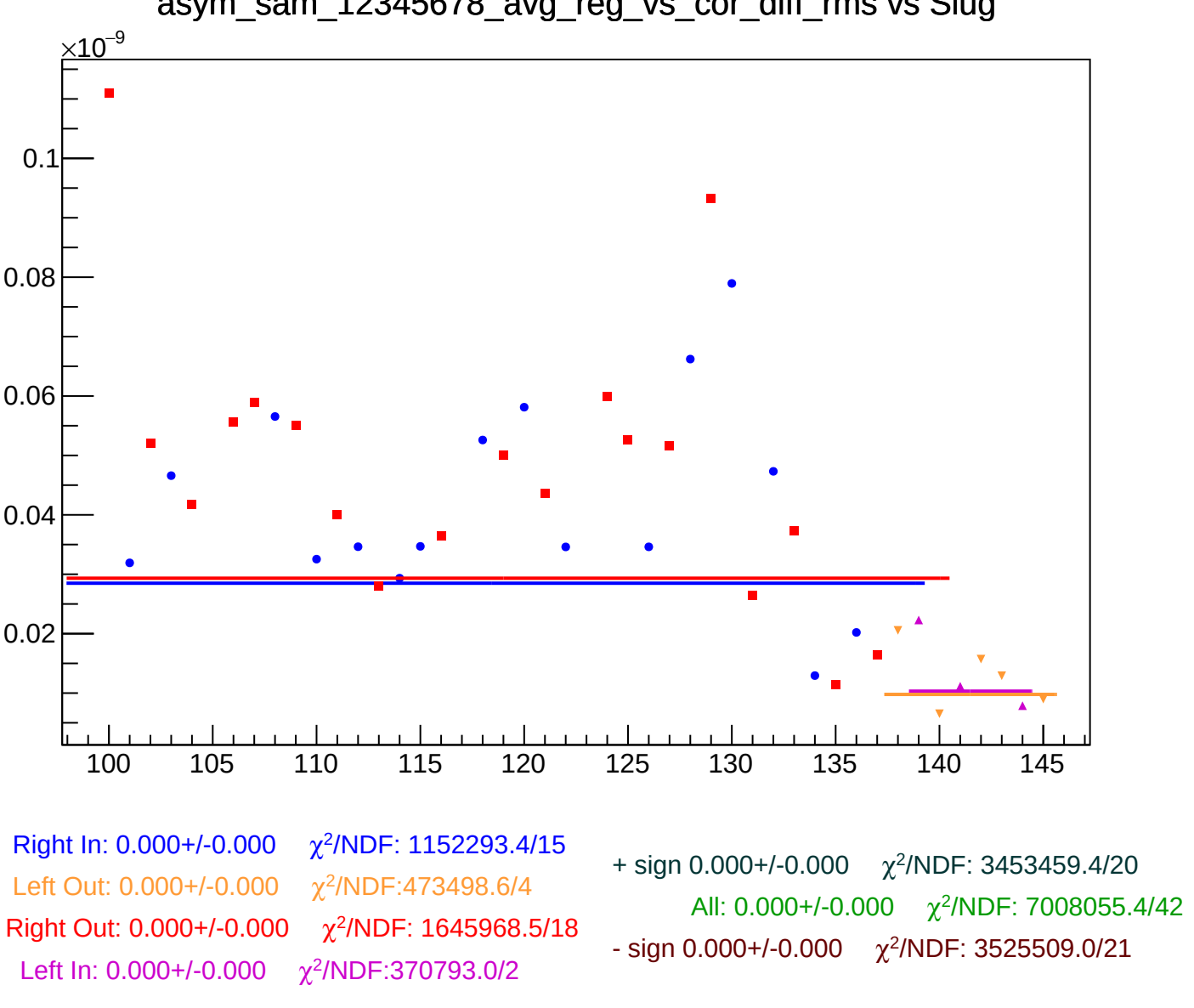
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

+ sign -0.000+/-0.000 χ^2/NDF: 10.3/20

All: -0.000+/-0.000 χ^2/NDF: 31.3/42

- sign -0.000+/-0.000 χ^2/NDF: 20.9/21


asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
105
110
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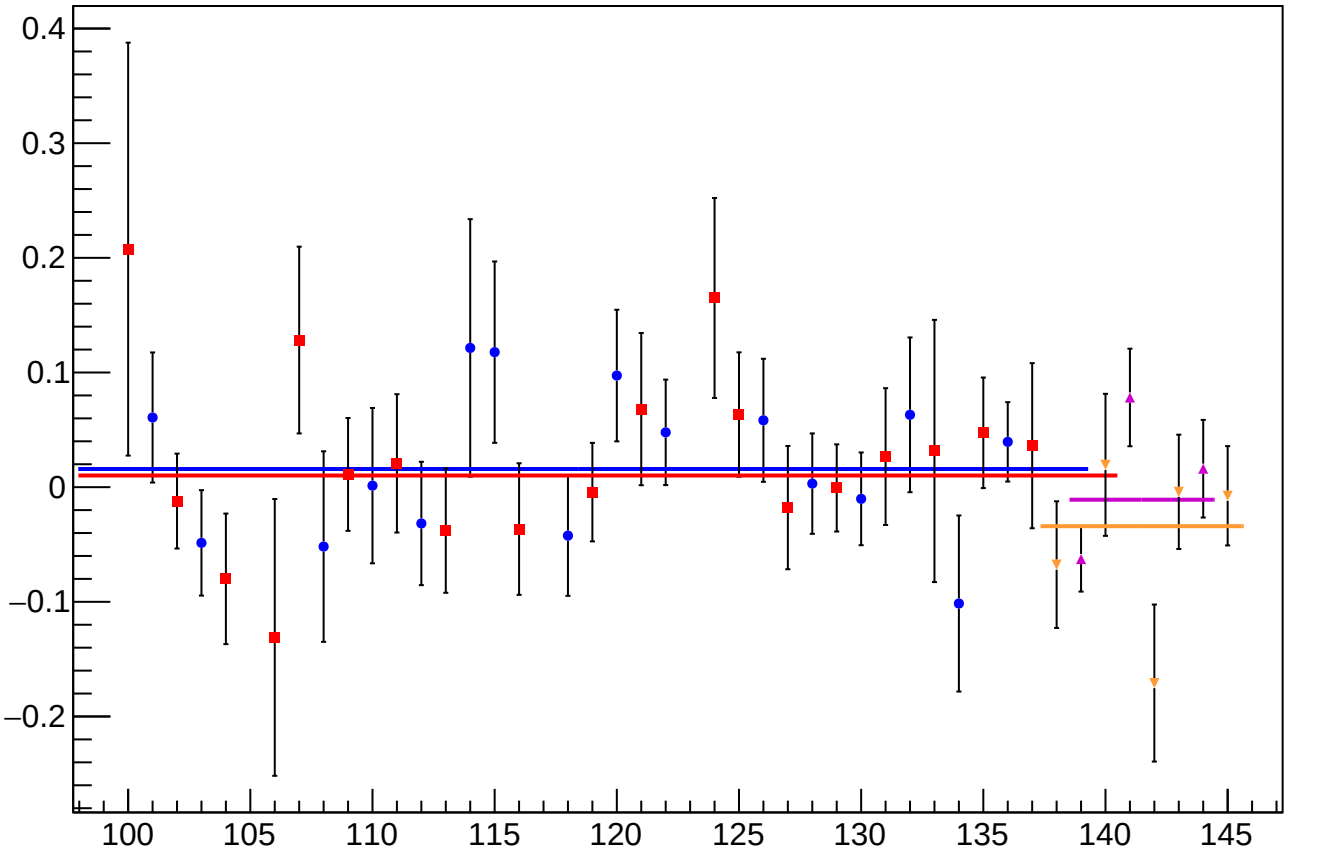
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1152293.4/15
Left Out: 0.000+/-0.000 χ²/NDF:473498.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 1645968.5/18
Left In: 0.000+/-0.000 χ²/NDF:370793.0/2
+ sign 0.000+/-0.000 χ²/NDF: 3453459.4/20
All: 0.000+/-0.000 χ²/NDF: 7008055.4/42
- sign 0.000+/-0.000 χ²/NDF: 3525509.0/21



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

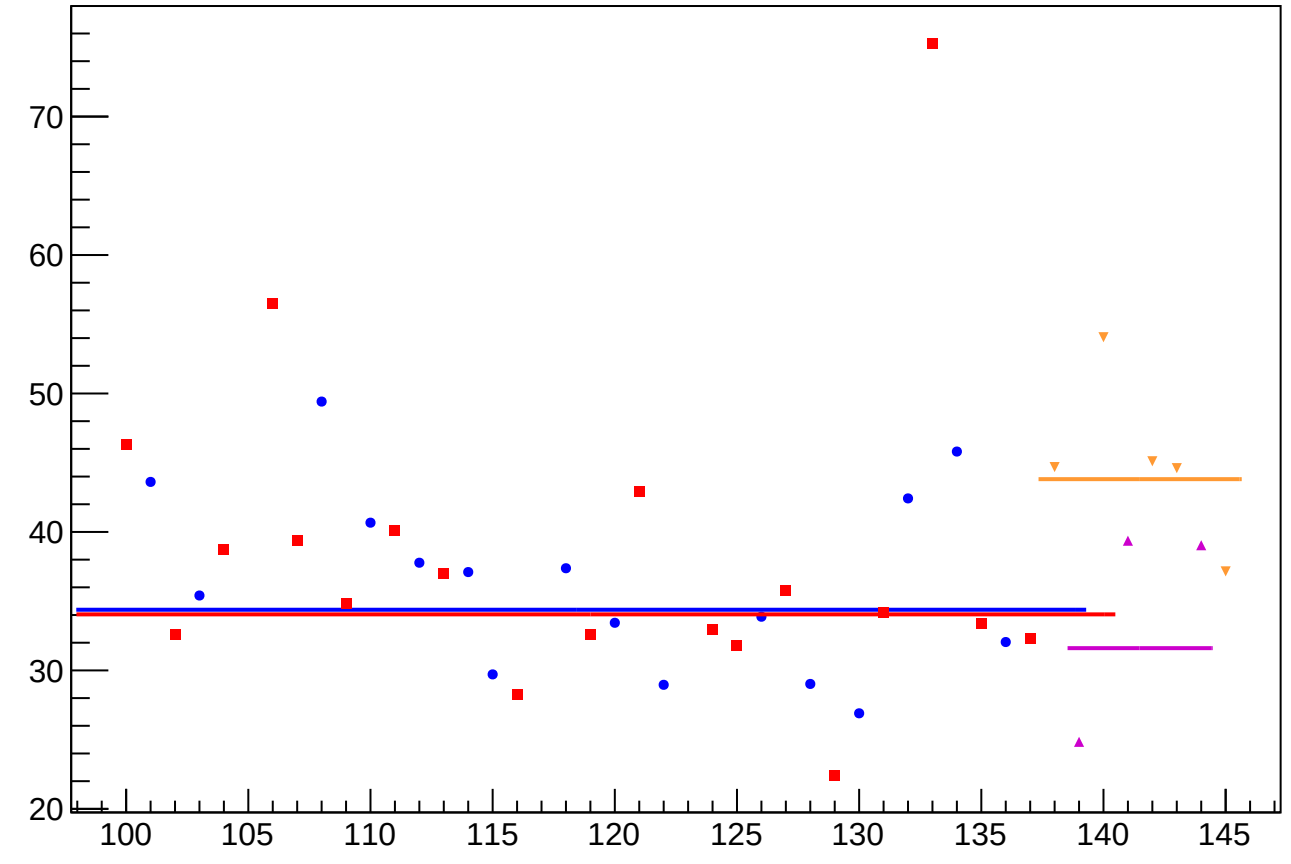
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.011+/-0.021 χ^2/NDF:8.1/2

+ sign 0.004+/-0.012 χ^2/NDF: 23.9/20

All: 0.004+/-0.008 χ^2/NDF: 47.9/42

- sign 0.004+/-0.011 χ^2/NDF: 24.0/21



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 43.813+/-0.017 χ^2/NDF:103813.6/4

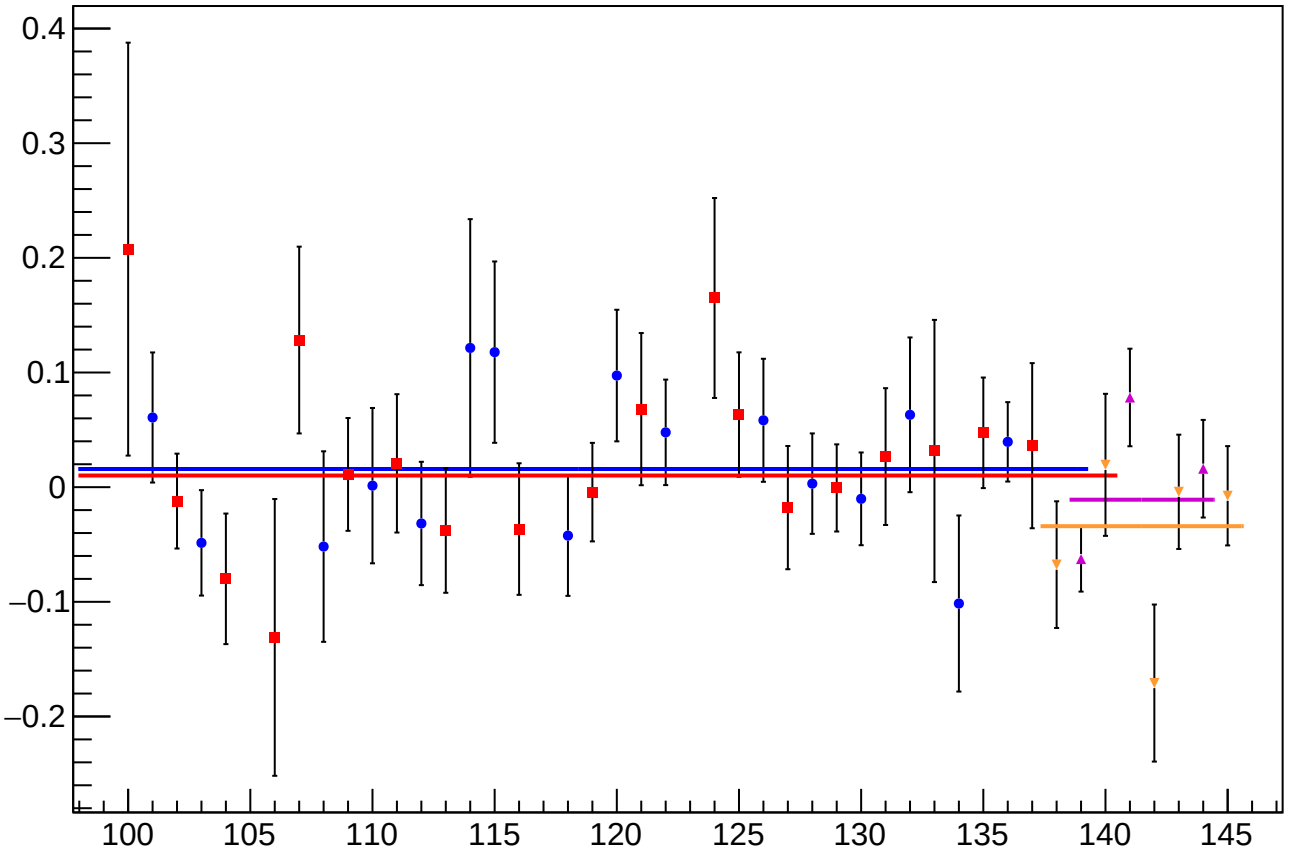
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 31.608+/-0.015 χ^2/NDF:241028.5/2

+ sign 36.623+/-0.008 χ^2/NDF: 707311.6/20

All: 34.899+/-0.006 χ^2/NDF: 1693610.3/42

- sign 33.339+/-0.008 χ^2/NDF: 903533.4/21



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

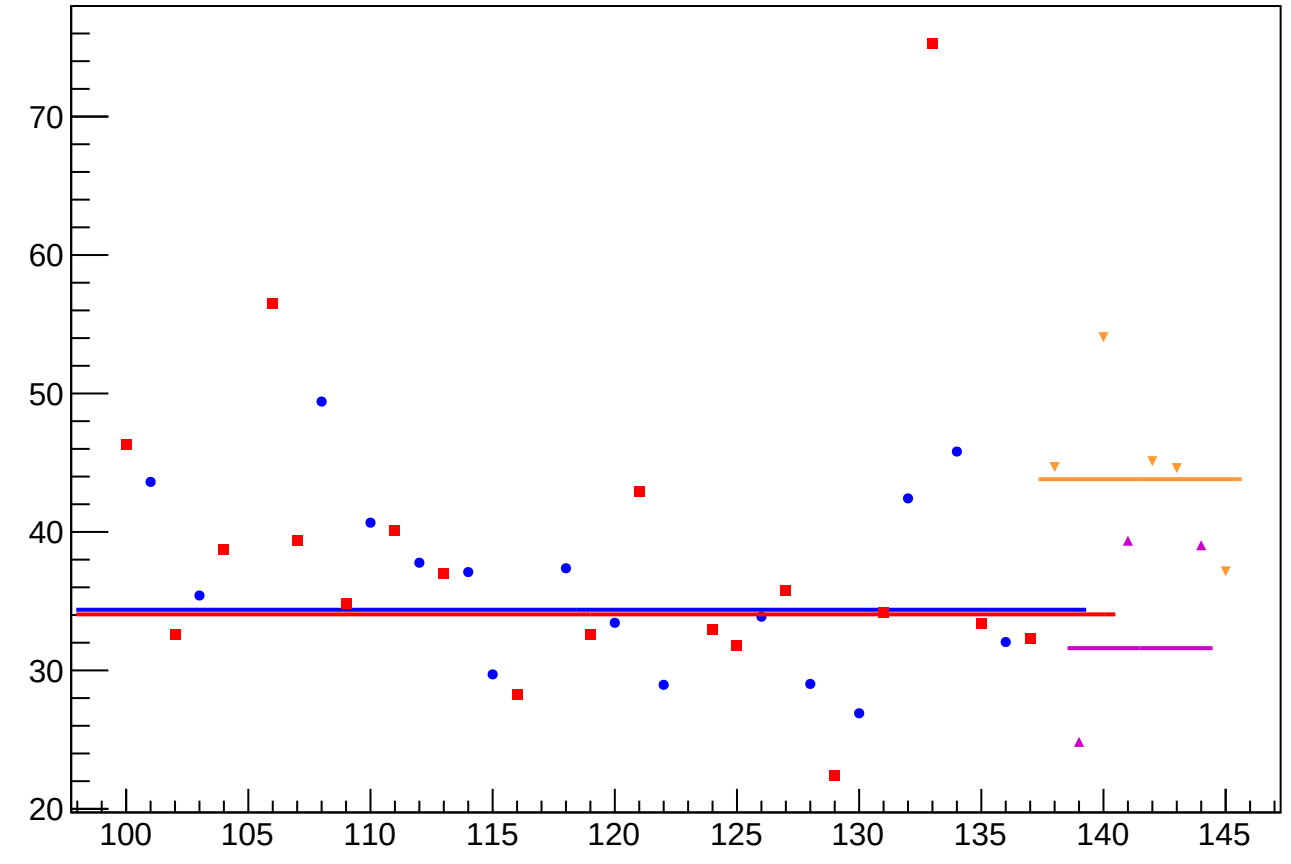
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.011+/-0.021 χ^2/NDF:8.1/2

+ sign 0.004+/-0.012 χ^2/NDF: 23.9/20

All: 0.004+/-0.008 χ^2/NDF: 47.9/42

- sign 0.004+/-0.011 χ^2/NDF: 24.0/21



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 43.813+/-0.017 χ^2/NDF:103813.6/4

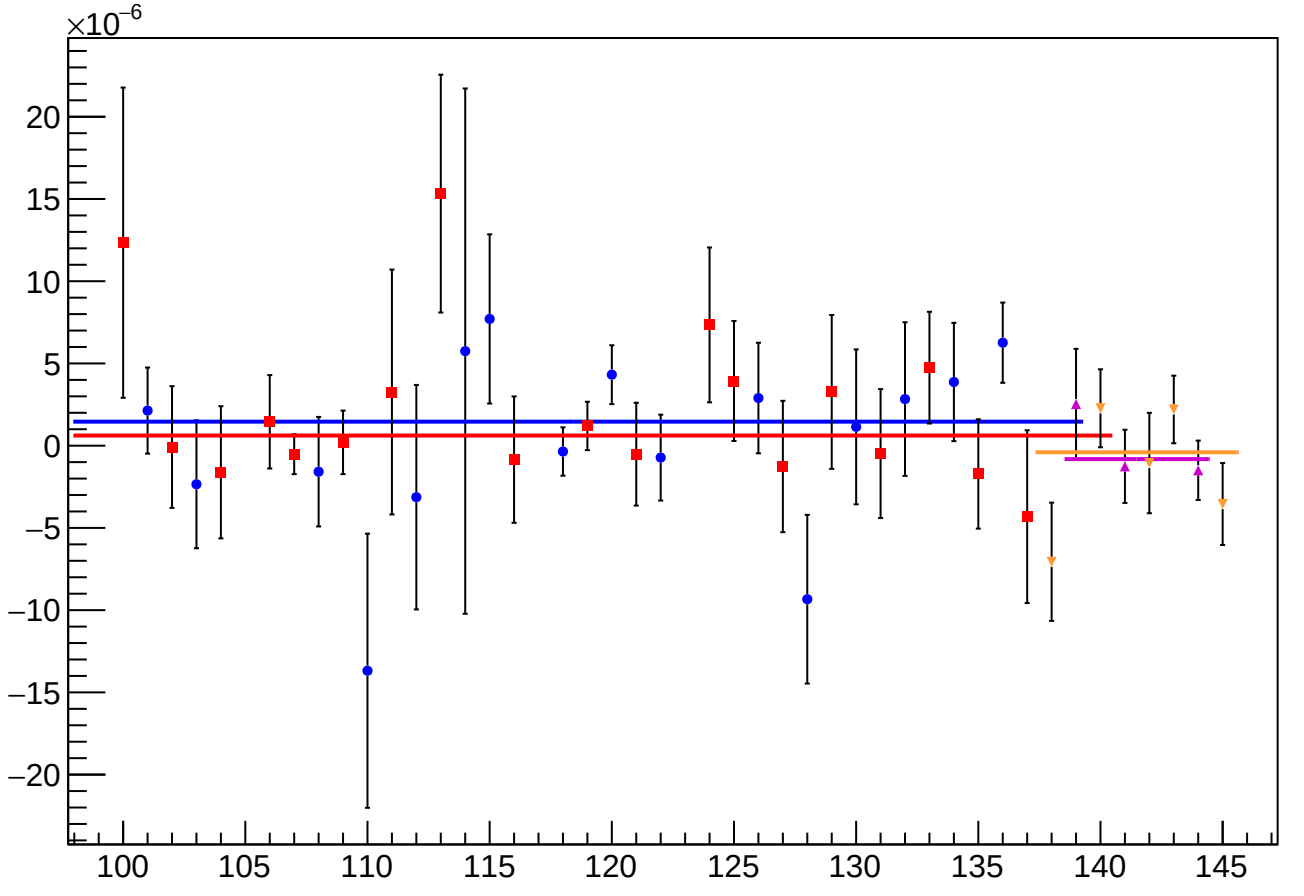
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 31.608+/-0.015 χ^2/NDF:241028.5/2

+ sign 36.623+/-0.008 χ^2/NDF: 707311.6/20

All: 34.899+/-0.006 χ^2/NDF: 1693610.3/42

- sign 33.339+/-0.008 χ^2/NDF: 903533.4/21



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

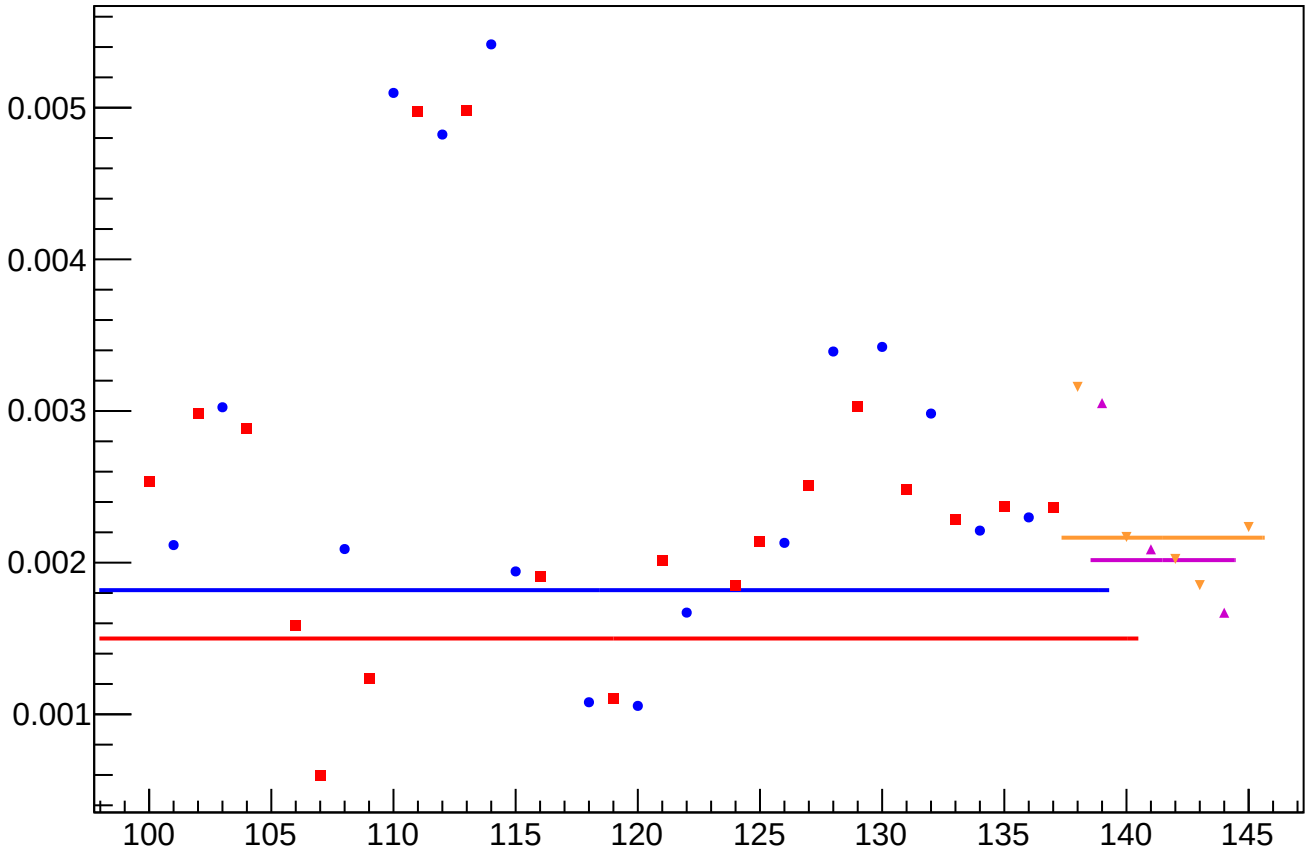
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/2

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/20

All: 0.000+/-0.000 χ^2/NDF: 47.3/42

- sign 0.000+/-0.000 χ^2/NDF: 16.1/21



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:205267.6/4

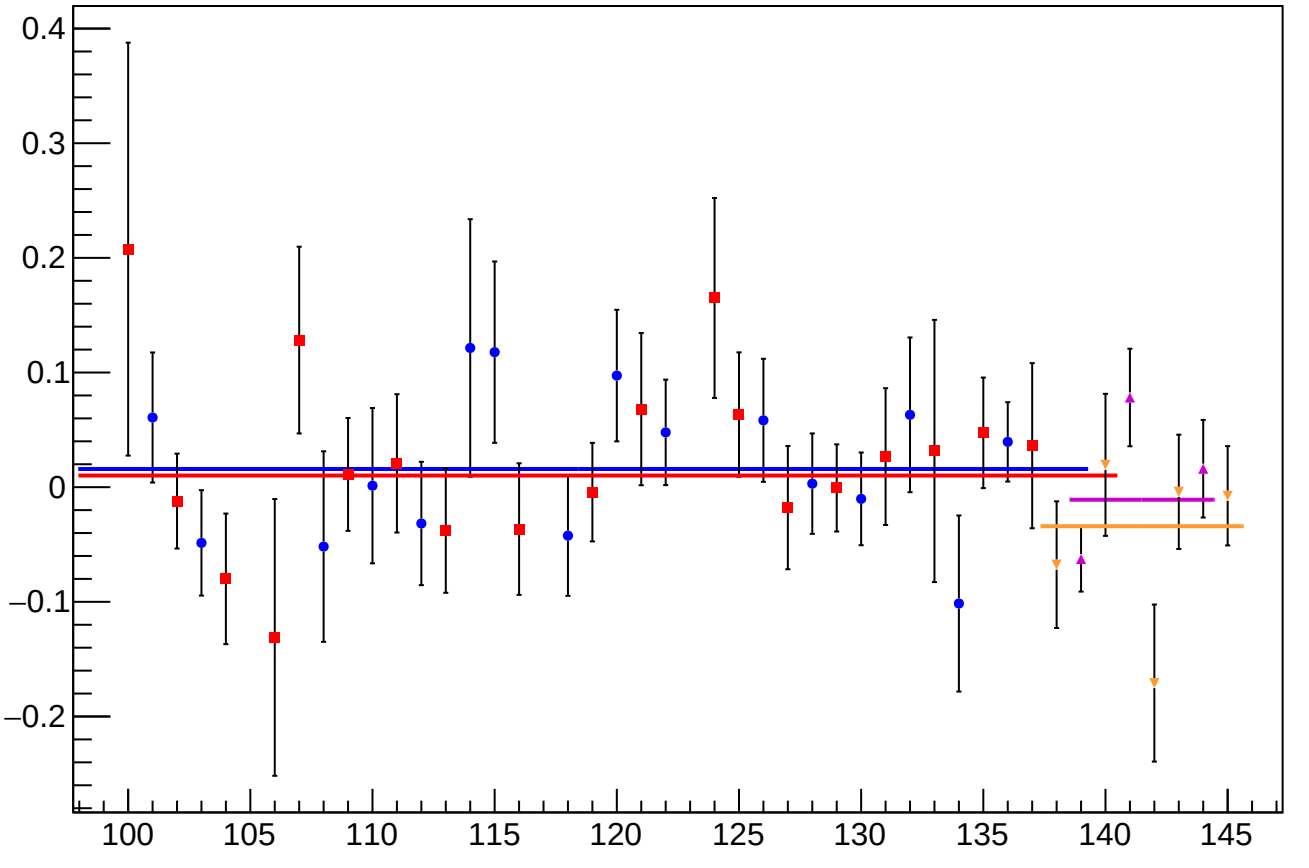
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:266315.7/2

+ sign 0.002+/-0.000 χ^2/NDF: 2902756.1/20

All: 0.002+/-0.000 χ^2/NDF: 7394133.4/42

- sign 0.002+/-0.000 χ^2/NDF: 4211278.0/21



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

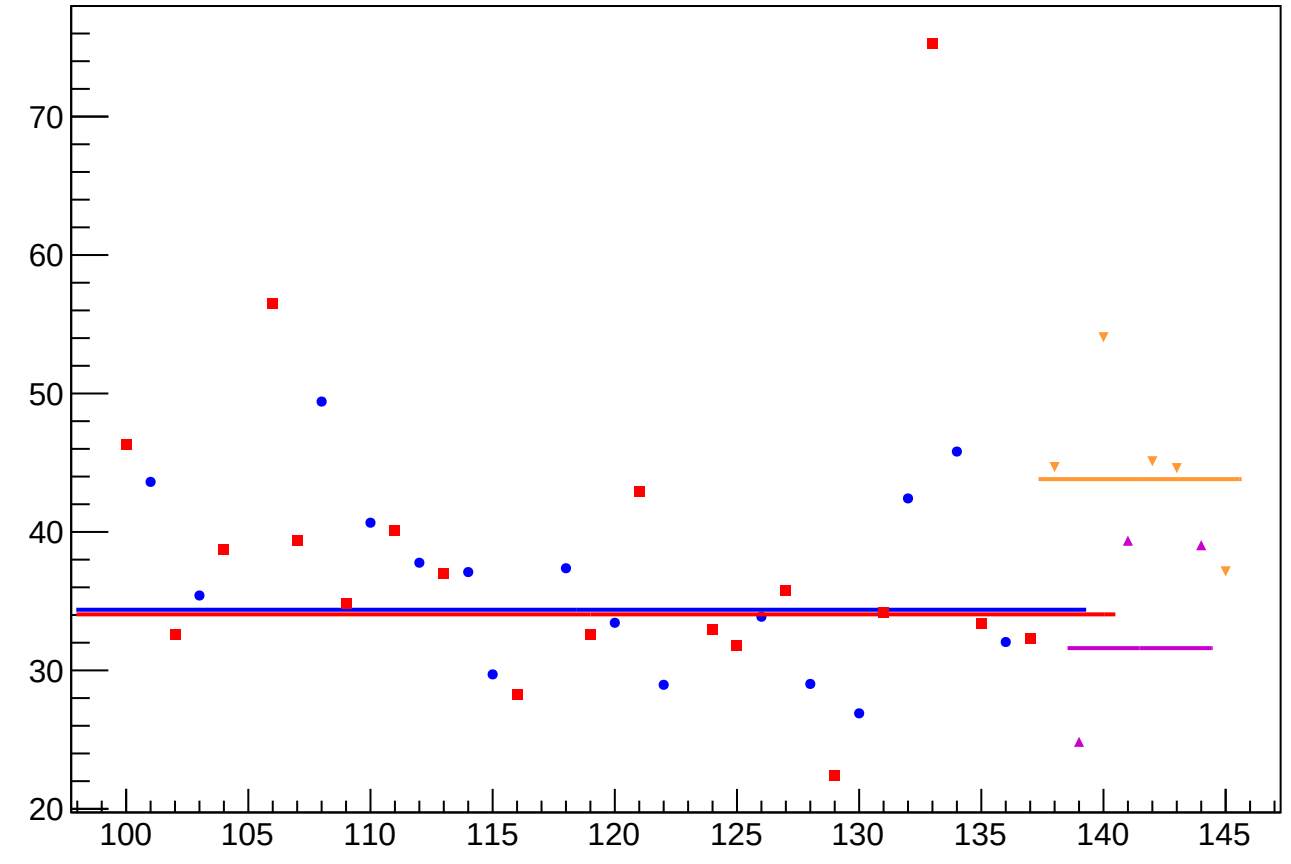
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.011+/-0.021 χ^2/NDF:8.1/2

+ sign 0.004+/-0.012 χ^2/NDF: 23.9/20

All: 0.004+/-0.008 χ^2/NDF: 47.9/42

- sign 0.004+/-0.011 χ^2/NDF: 24.0/21



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 43.814+/-0.017 χ^2/NDF:103799.8/4

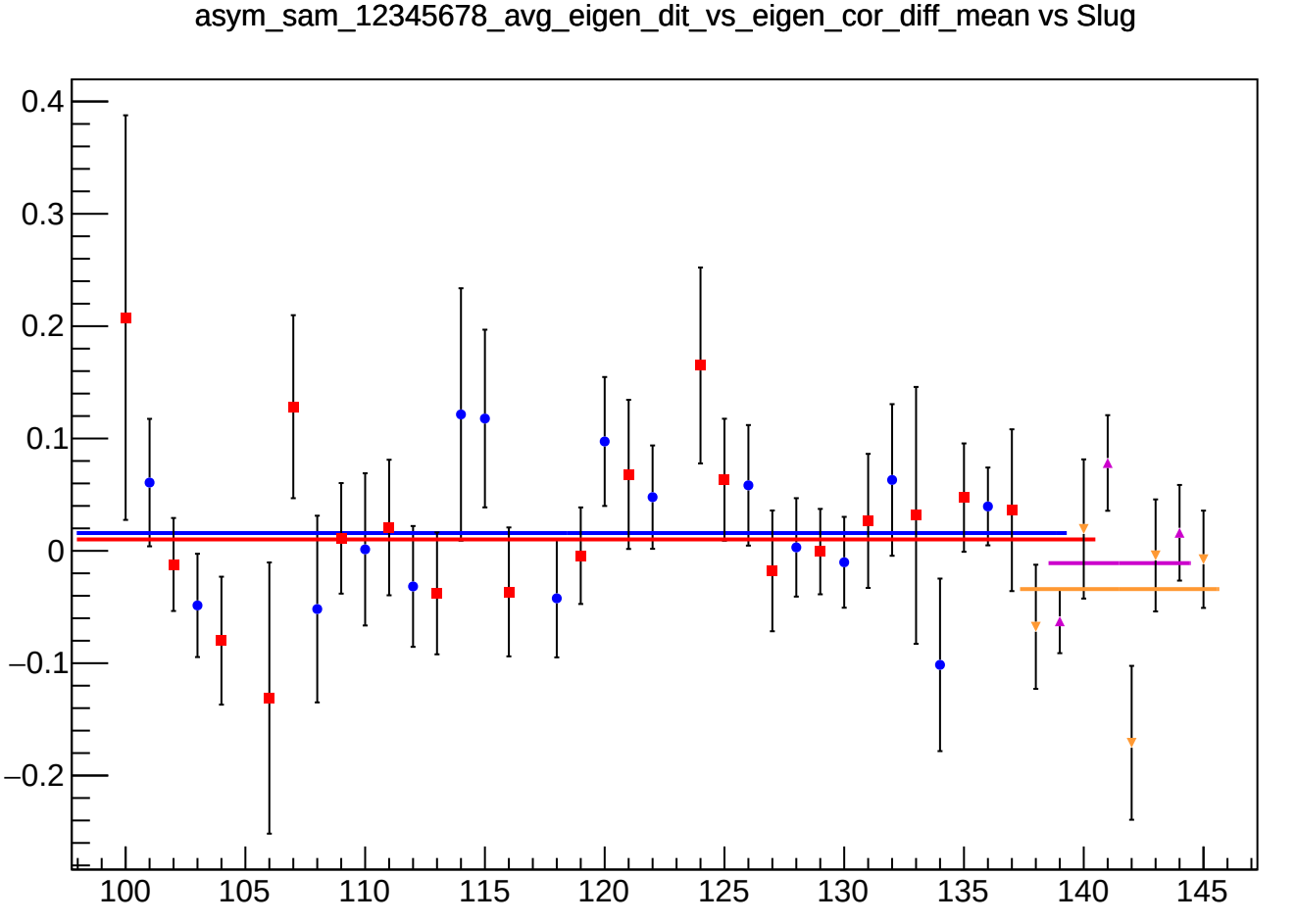
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 31.608+/-0.015 χ^2/NDF:241035.9/2

+ sign 36.623+/-0.008 χ^2/NDF: 707420.3/20

All: 34.899+/-0.006 χ^2/NDF: 1693744.5/42

- sign 33.339+/-0.008 χ^2/NDF: 903571.5/21



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

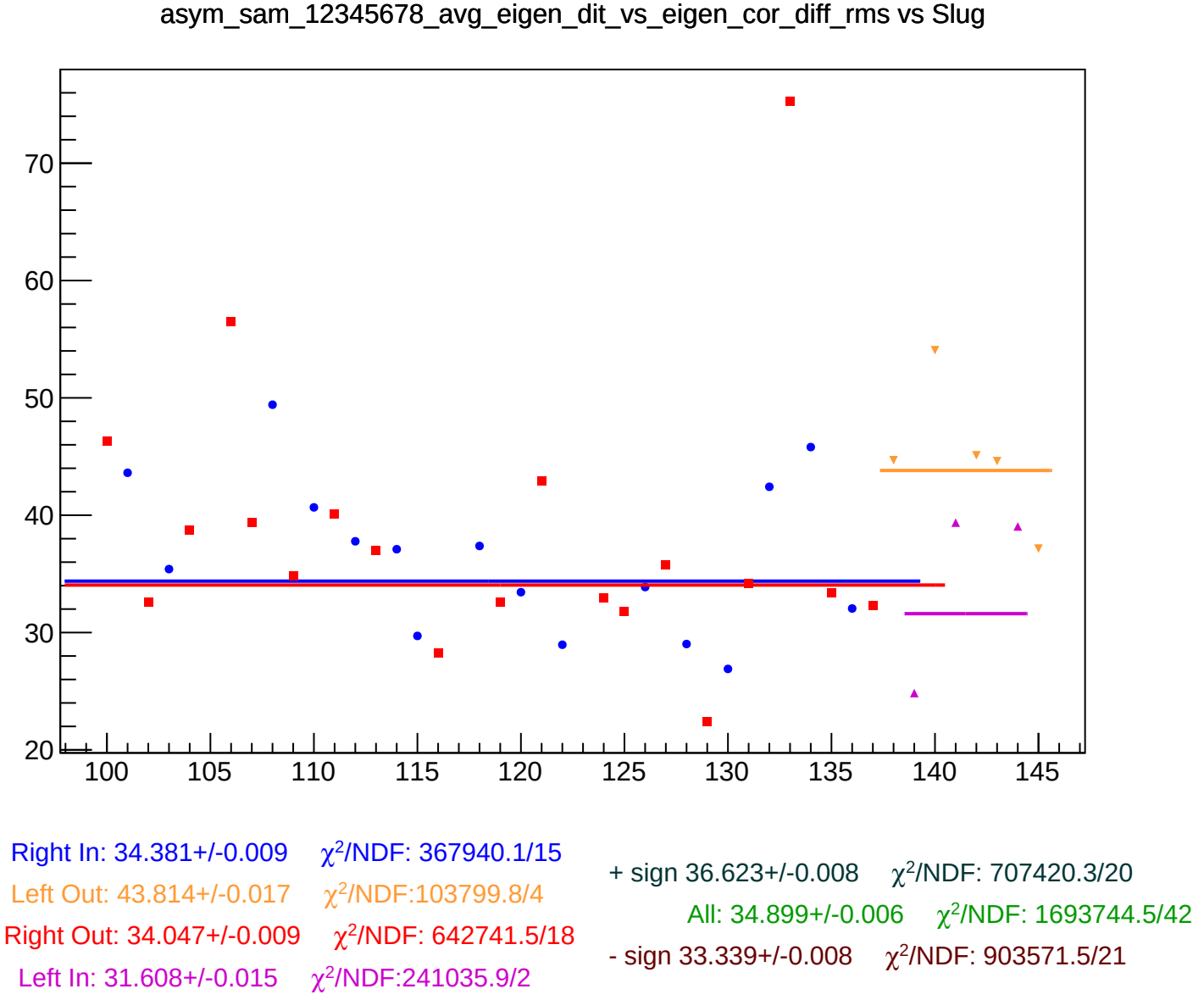
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.011+/-0.021 χ^2/NDF:8.1/2

+ sign 0.004+/-0.012 χ^2/NDF: 23.9/20

All: 0.004+/-0.008 χ^2/NDF: 47.9/42

- sign 0.004+/-0.011 χ^2/NDF: 24.0/21


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
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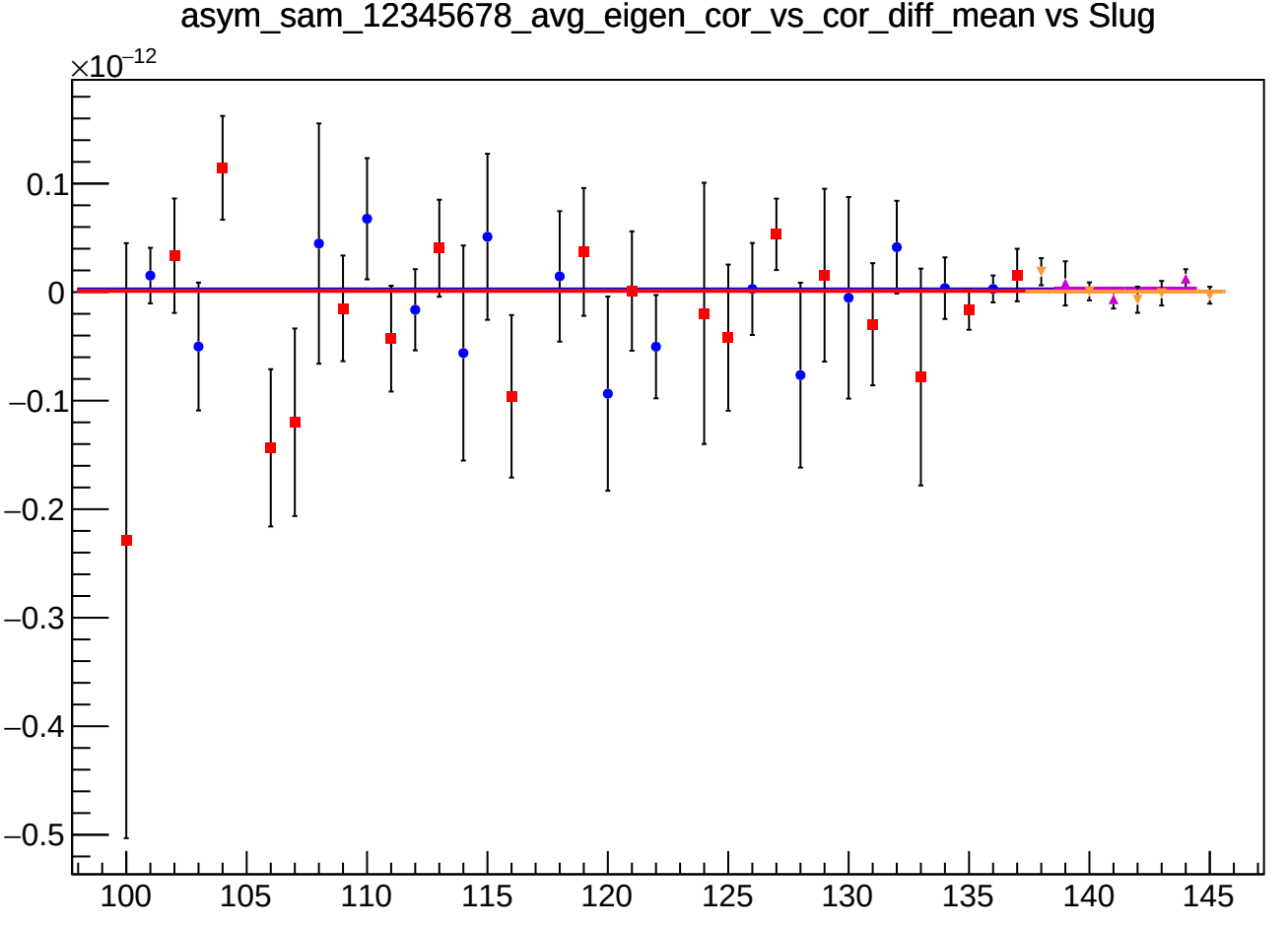
140
145
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 43.814+/-0.017 χ²/NDF:103799.8/4
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 31.608+/-0.015 χ²/NDF:241035.9/2
+ sign 36.623+/-0.008 χ²/NDF: 707420.3/20
All: 34.899+/-0.006 χ²/NDF: 1693744.5/42
- sign 33.339+/-0.008 χ²/NDF: 903571.5/21



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/4

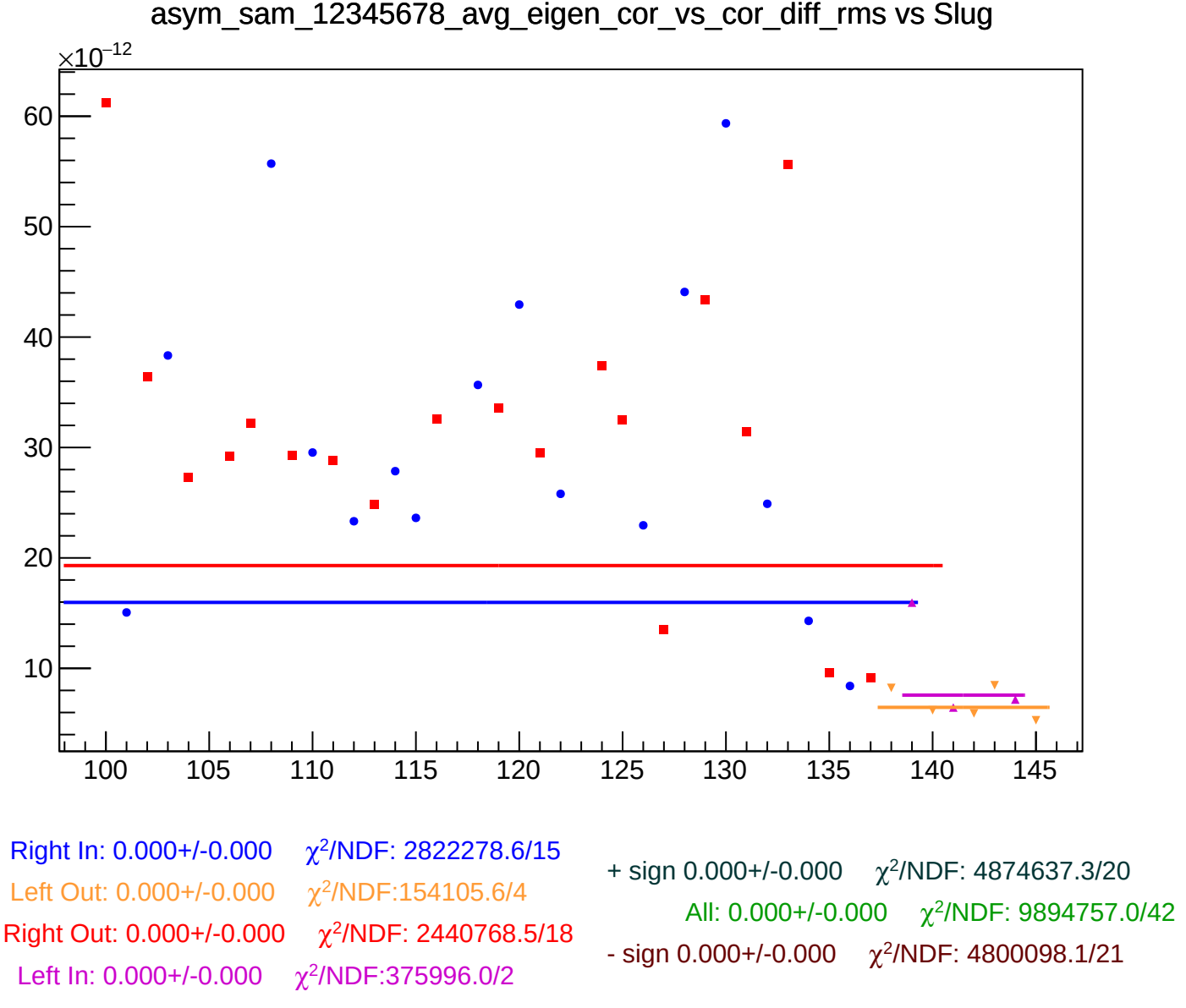
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/2

+ sign 0.000+/-0.000 χ^2/NDF: 10.5/20

All: 0.000+/-0.000 χ^2/NDF: 34.5/42

- sign 0.000+/-0.000 χ^2/NDF: 23.9/21


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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140
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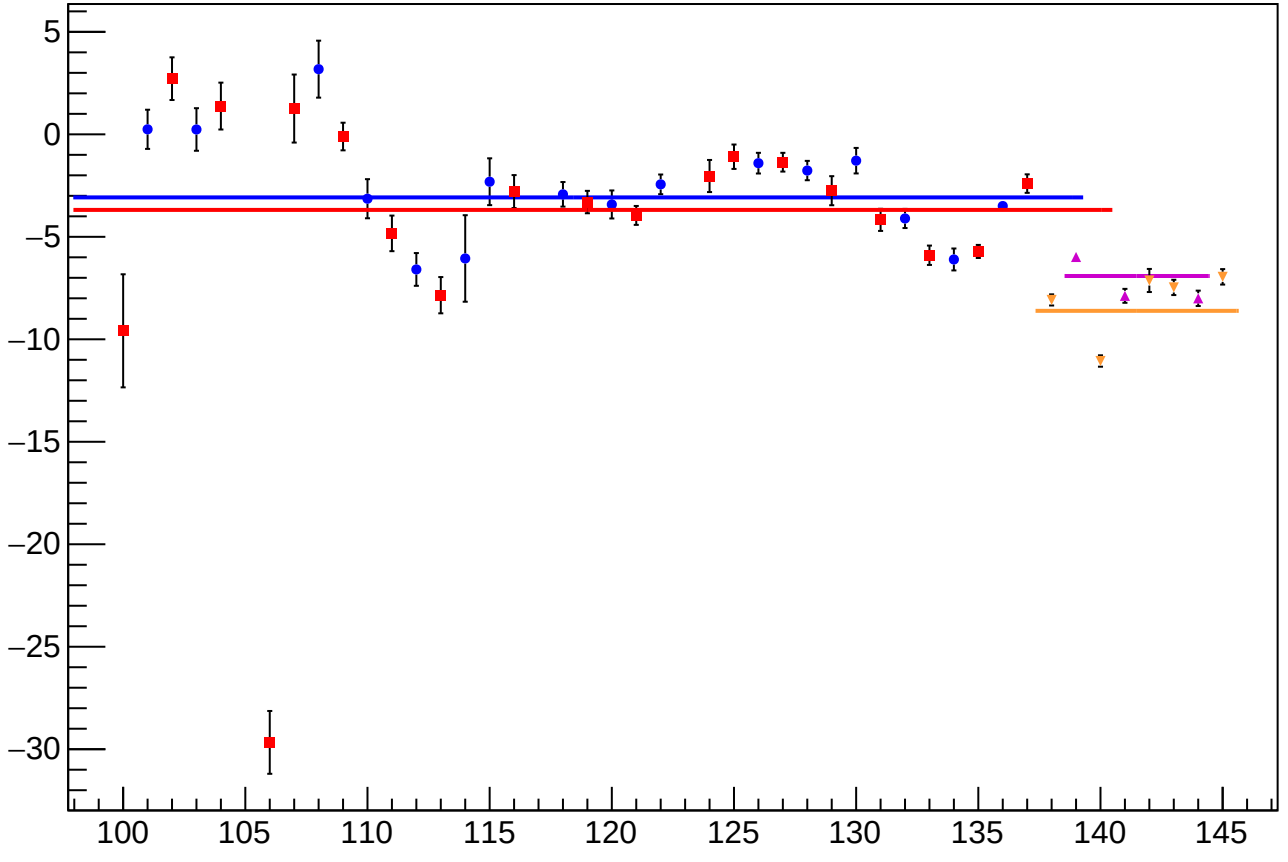
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:154105.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:375996.0/2
+ sign 0.000+/-0.000 χ²/NDF: 4874637.3/20
All: 0.000+/-0.000 χ²/NDF: 9894757.0/42
- sign 0.000+/-0.000 χ²/NDF: 4800098.1/21

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

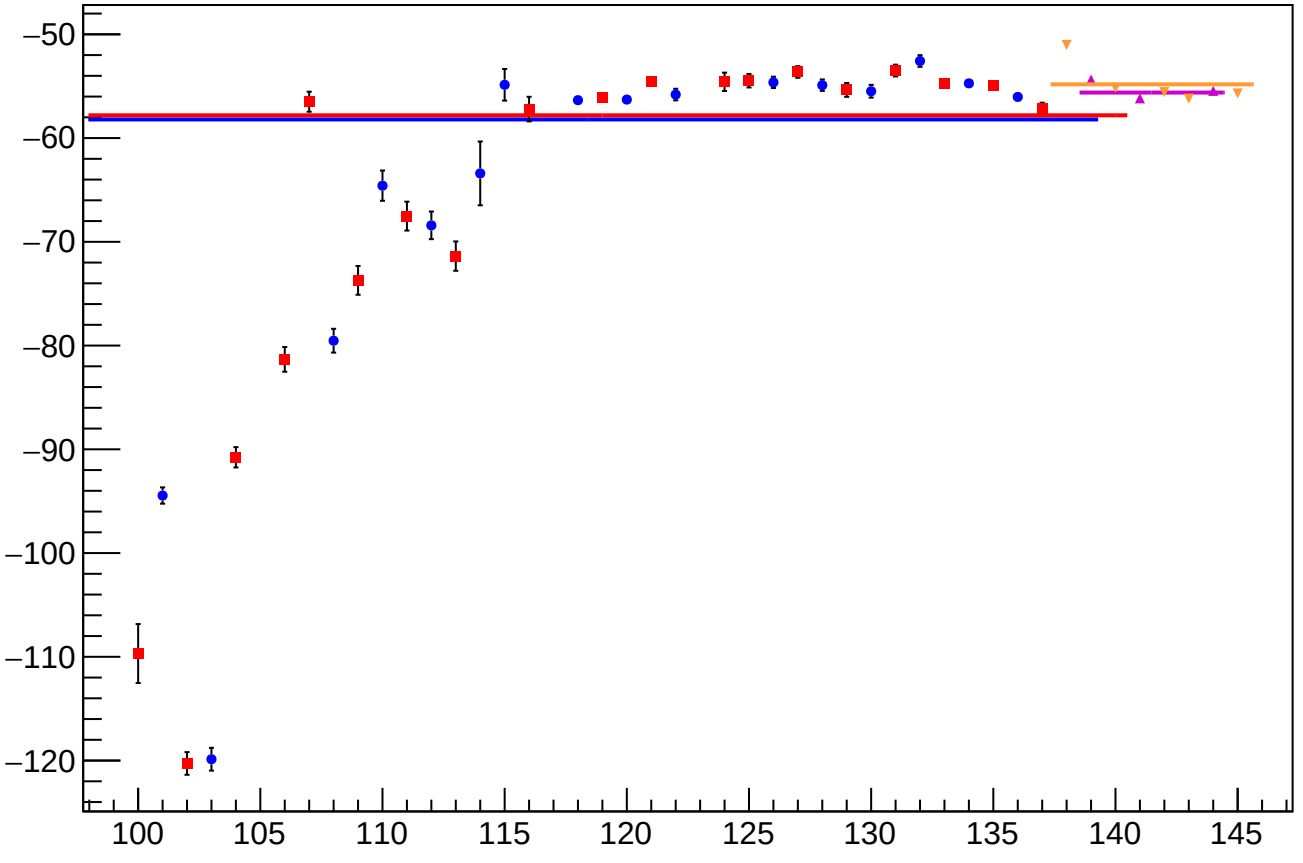
Left In: -6.912+/-0.174 χ^2/NDF:31.5/2

+ sign -5.541+/-0.101 χ^2/NDF: 997.0/20

All: -5.273+/-0.074 χ^2/NDF: 1787.2/42

- sign -4.958+/-0.109 χ^2/NDF: 774.9/21

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

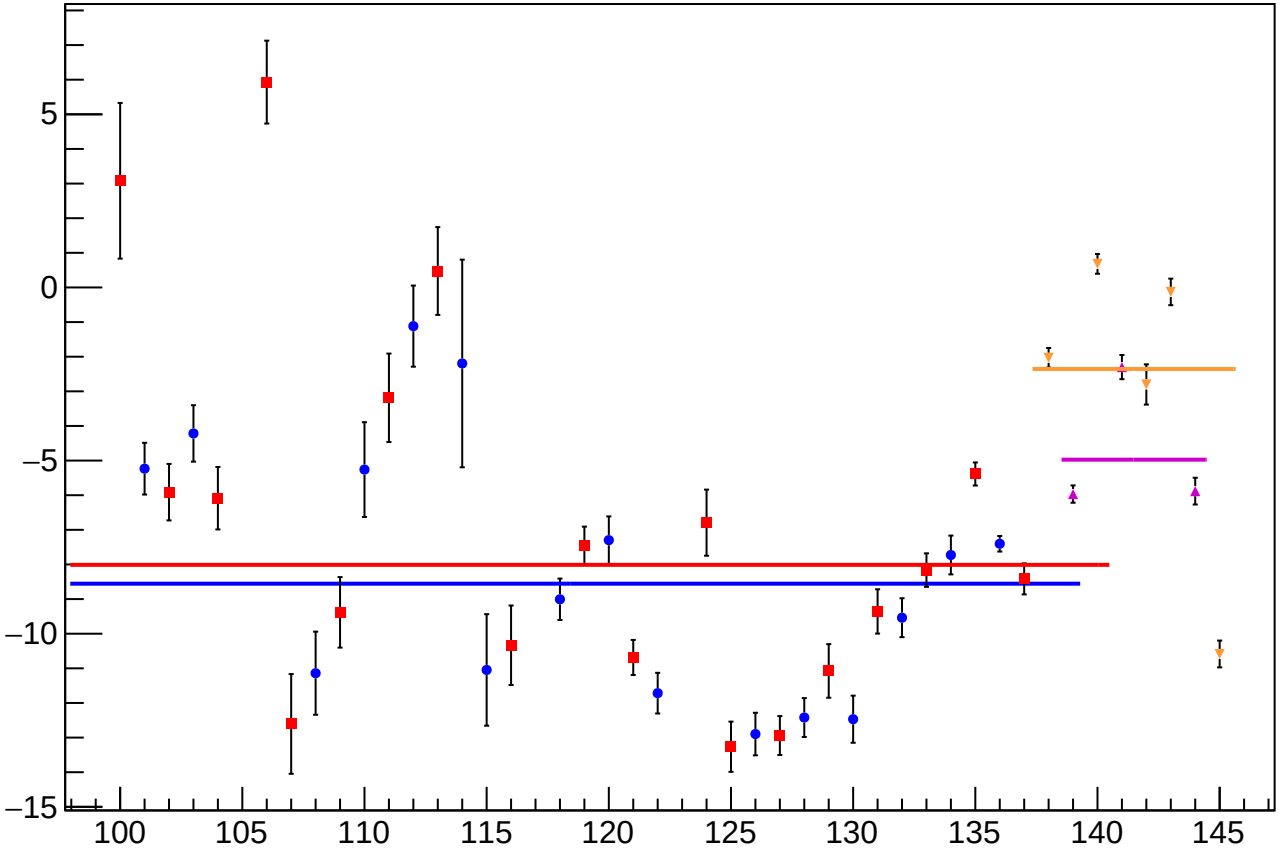
Left In: -55.612+/-0.172 χ^2/NDF:13.6/2

+ sign -56.447+/-0.094 χ^2/NDF: 6637.1/20

All: -56.660+/-0.071 χ^2/NDF: 12554.1/42

- sign -56.939+/-0.108 χ^2/NDF: 5905.1/21

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

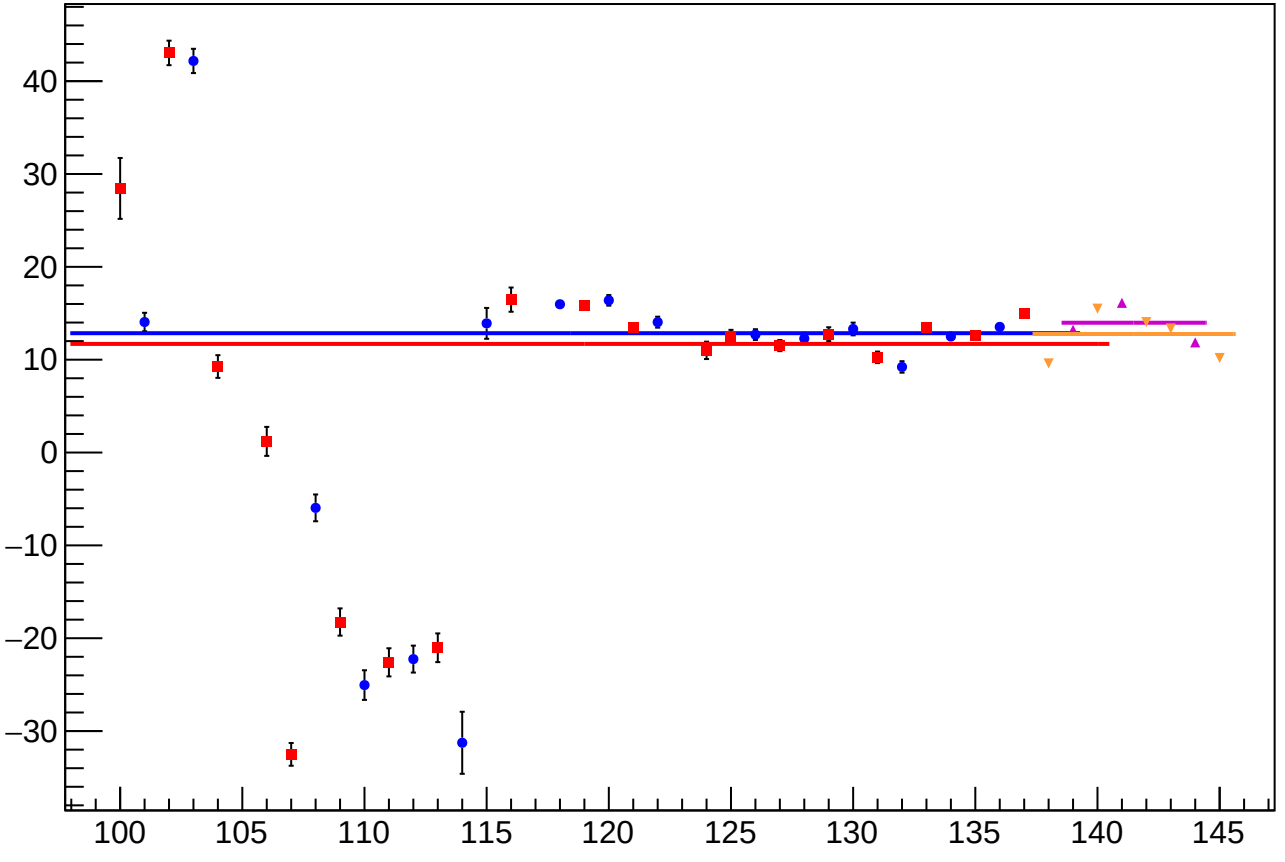
Left In: -4.973+/-0.180 χ^2/NDF:80.1/2

+ sign -5.686+/-0.106 χ^2/NDF: 1751.8/20

All: -6.162+/-0.078 χ^2/NDF: 2531.2/42

- sign -6.737+/-0.117 χ^2/NDF: 734.9/21

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

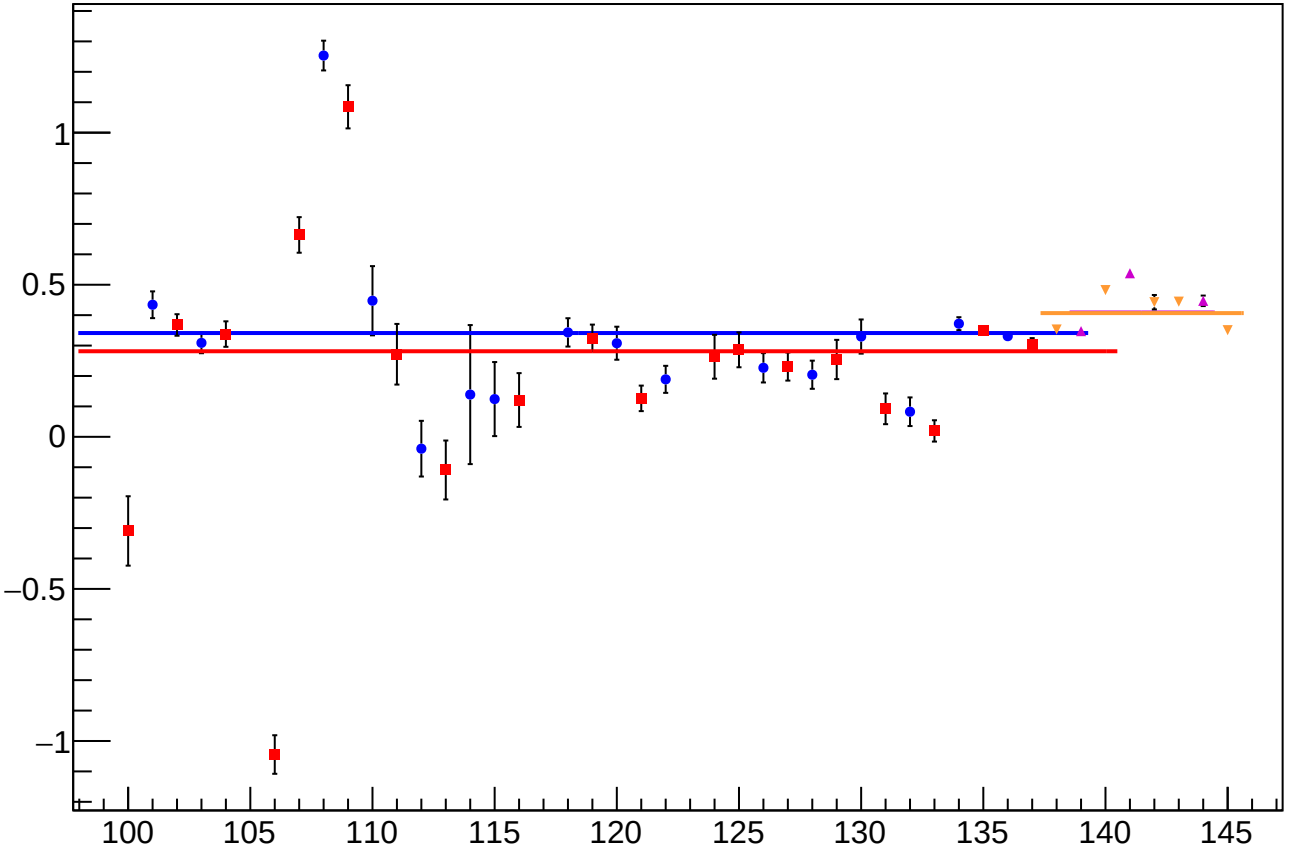
Left In: 13.981+/-0.194 χ^2/NDF:97.3/2

+ sign 12.811+/-0.107 χ^2/NDF: 2371.0/20

All: 12.713+/-0.080 χ^2/NDF: 6053.2/42

- sign 12.587+/-0.121 χ^2/NDF: 3680.3/21

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

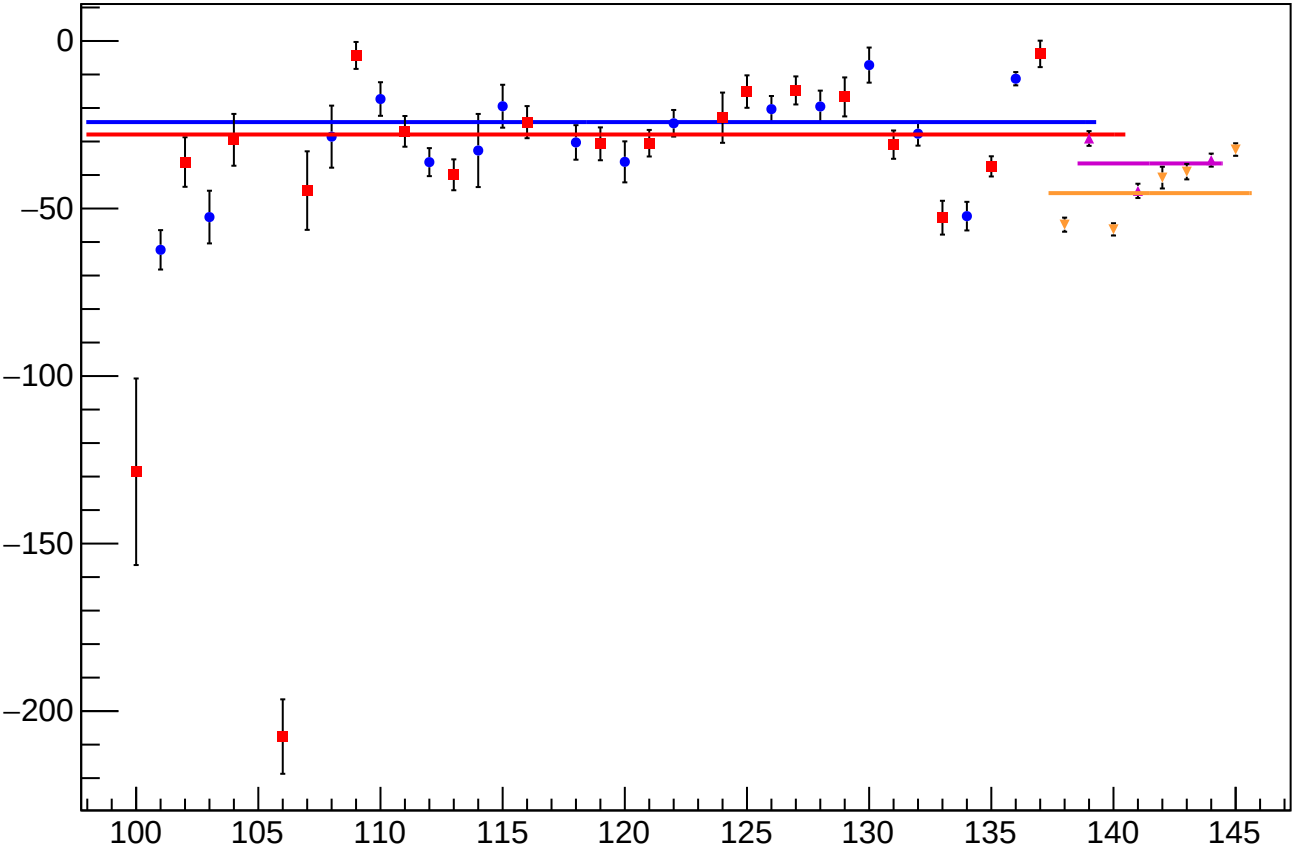
Left In: 0.409+/-0.007 χ^2/NDF:134.7/2

+ sign 0.381+/-0.005 χ^2/NDF: 558.1/20

All: 0.370+/-0.004 χ^2/NDF: 1616.1/42

- sign 0.358+/-0.005 χ^2/NDF: 1048.0/21

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

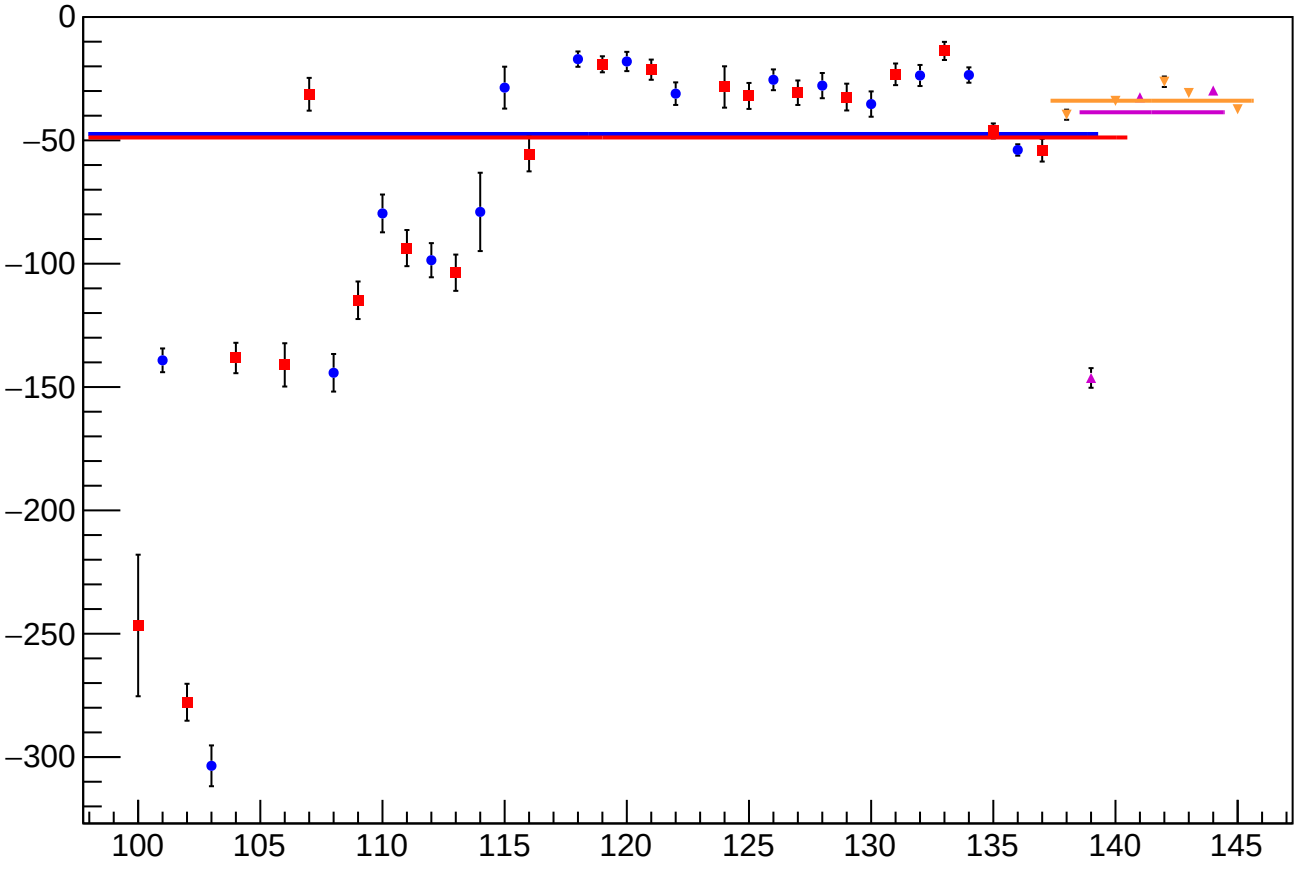
Left In: -36.547+/-1.204 χ^2/NDF:26.4/2

+ sign -36.132+/-0.718 χ^2/NDF: 497.6/20

All: -34.346+/-0.542 χ^2/NDF: 979.0/42

- sign -31.981+/-0.827 χ^2/NDF: 467.1/21

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

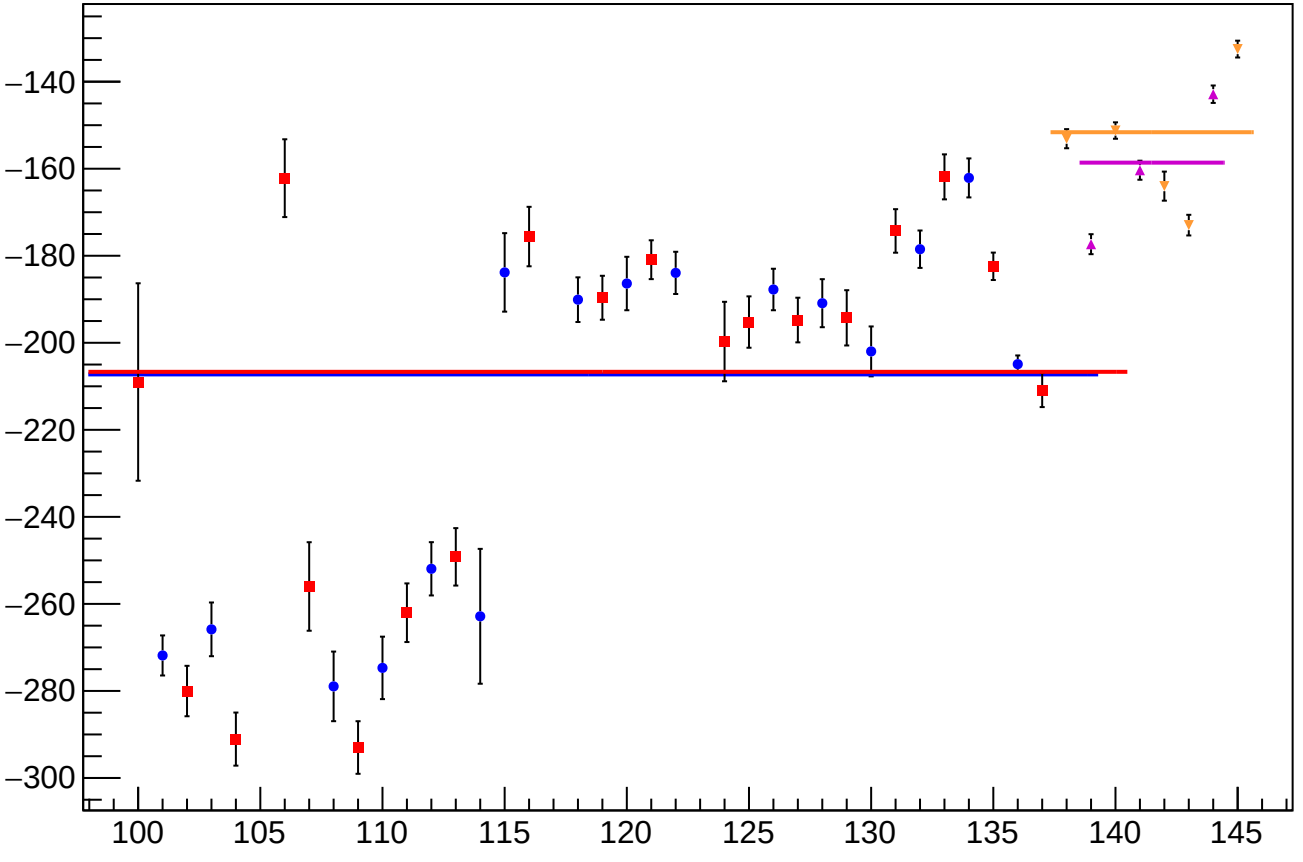
Left In: -38.614+/-1.020 χ^2/NDF:783.2/2

+ sign -38.382+/-0.632 χ^2/NDF: 2003.4/20

All: -40.225+/-0.489 χ^2/NDF: 4625.2/42

- sign -42.976+/-0.773 χ^2/NDF: 2600.6/21

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

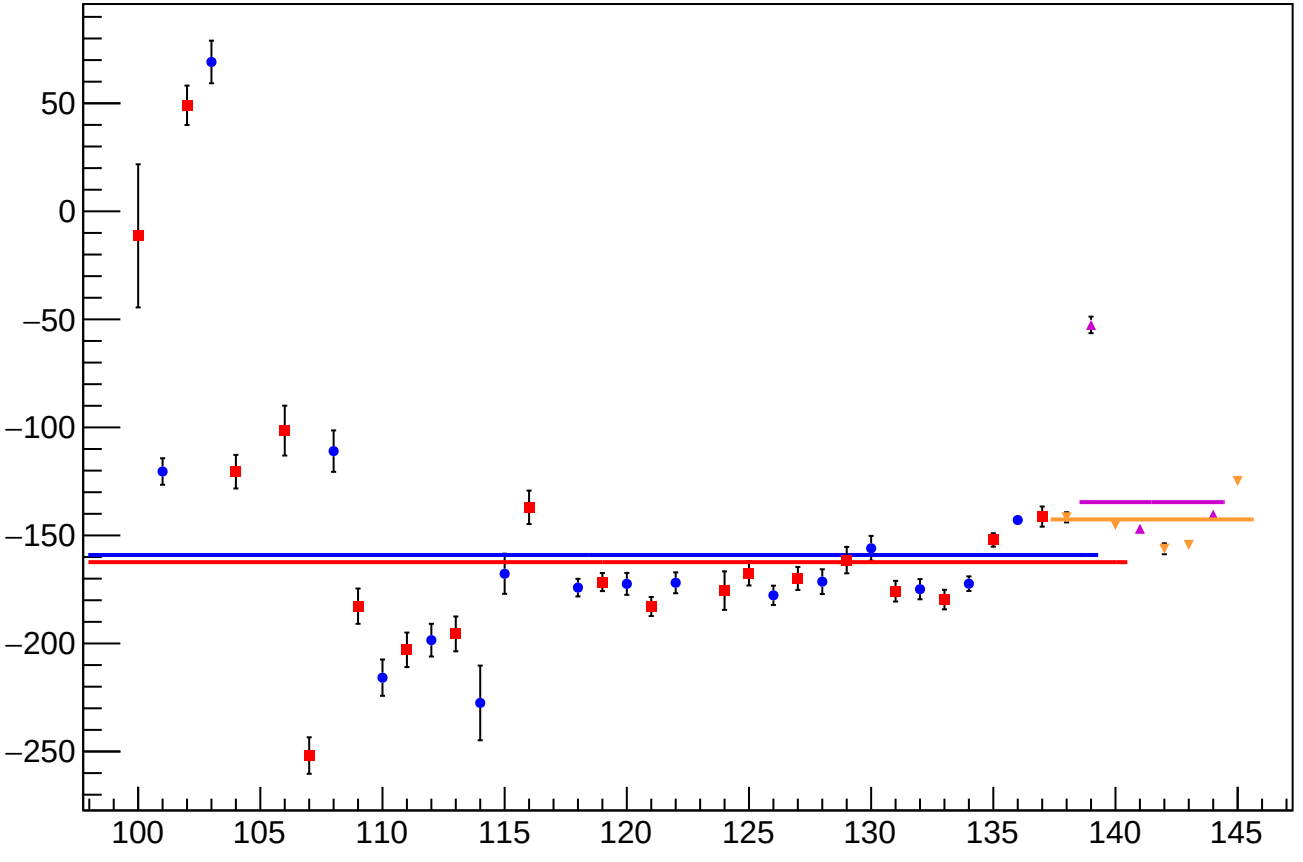
Left In: -158.605+/-1.243 χ^2/NDF:128.9/2

+ sign -174.607+/-0.757 χ^2/NDF: 2250.4/20

All: -177.680+/-0.577 χ^2/NDF: 4114.3/42

- sign -181.936+/-0.891 χ^2/NDF: 1824.7/21

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

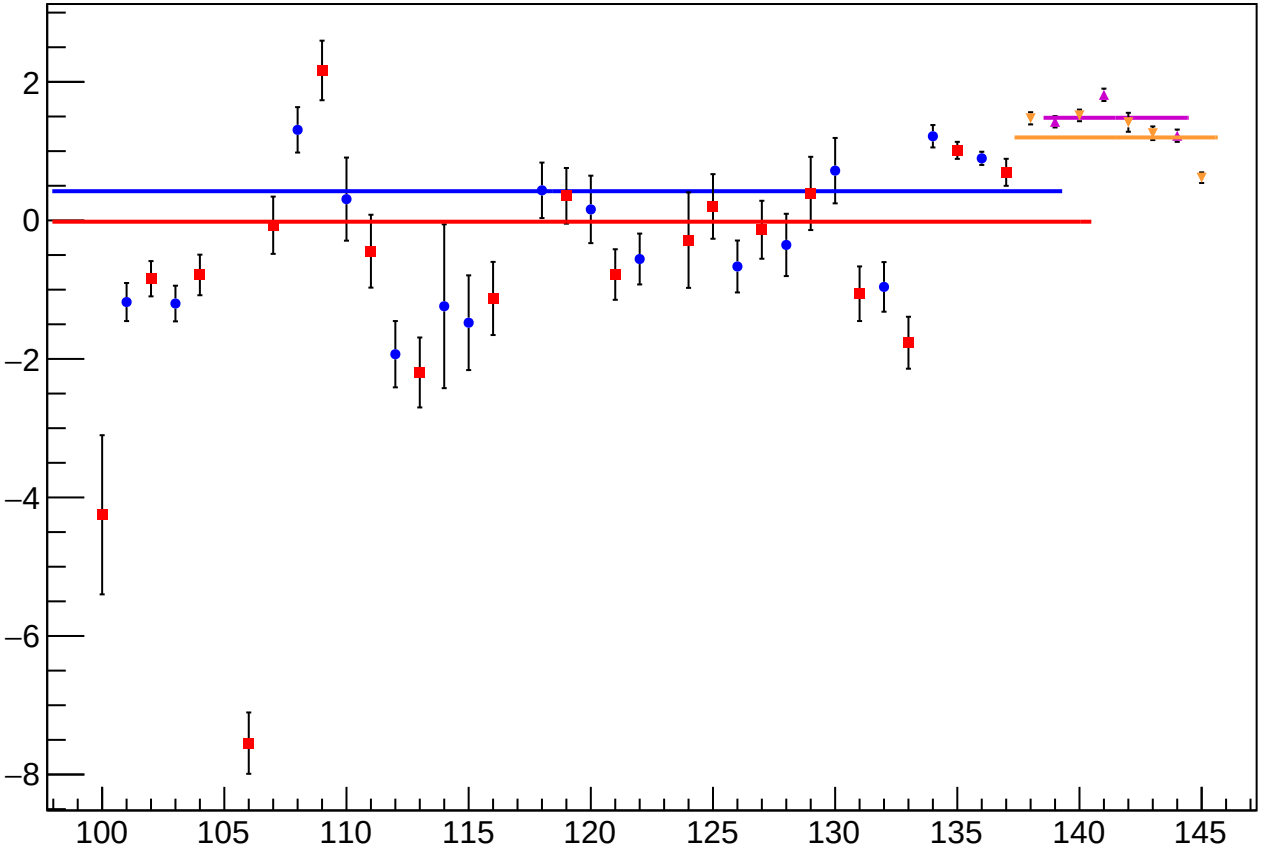
Left In: -134.593+/-1.185 χ^2/NDF:516.1/2

+ sign -148.428+/-0.729 χ^2/NDF: 1100.4/20

All: -147.828+/-0.562 χ^2/NDF: 2735.1/42

- sign -146.948+/-0.883 χ^2/NDF: 1633.0/21

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

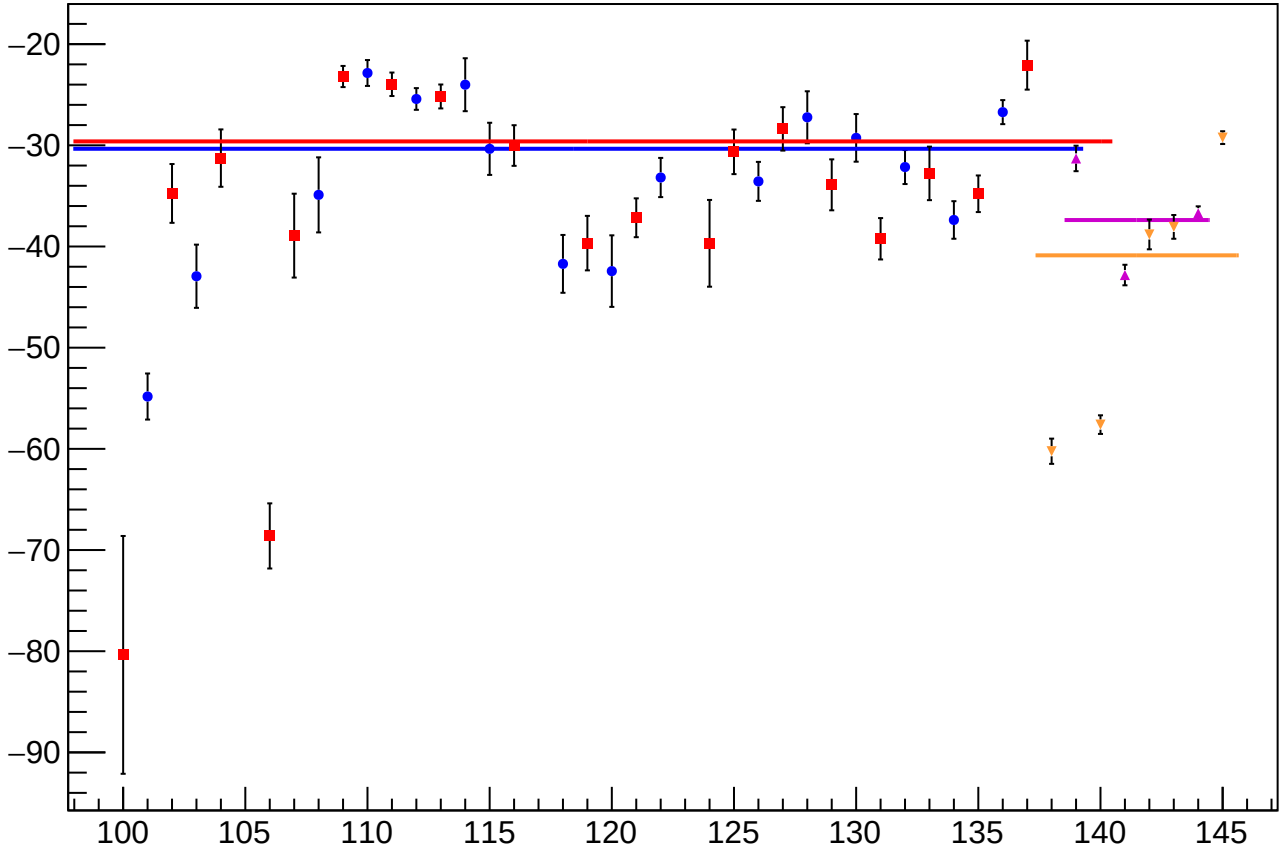
Left In: 1.481+/-0.050 χ^2/NDF:22.7/2

+ sign 0.976+/-0.035 χ^2/NDF: 384.6/20

All: 0.984+/-0.026 χ^2/NDF: 1186.7/42

- sign 0.996+/-0.041 χ^2/NDF: 802.0/21

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

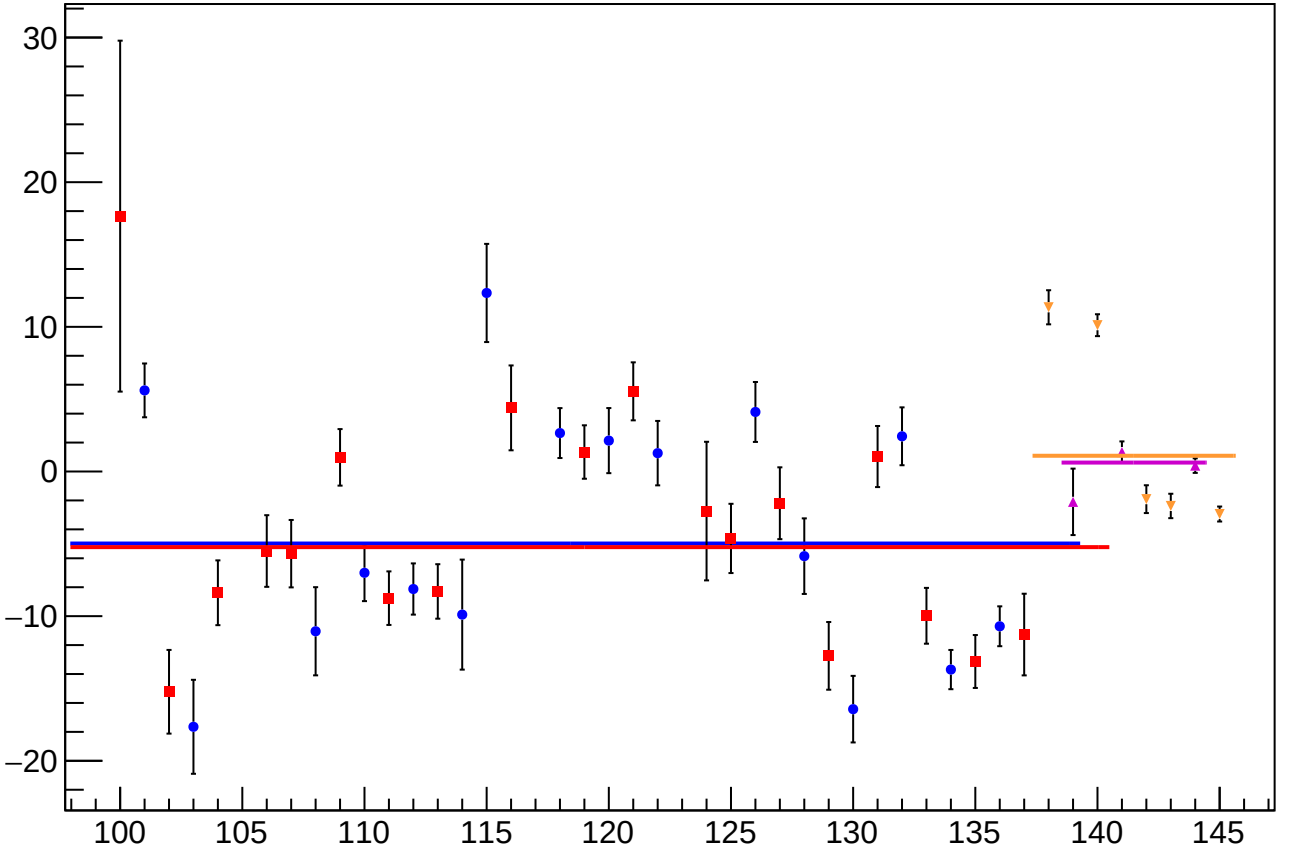
Left In: -37.385+/-0.517 χ^2/NDF:53.0/2

+ sign -36.103+/-0.315 χ^2/NDF: 1448.7/20

All: -34.653+/-0.231 χ^2/NDF: 2005.2/42

- sign -32.966+/-0.340 χ^2/NDF: 510.7/21

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

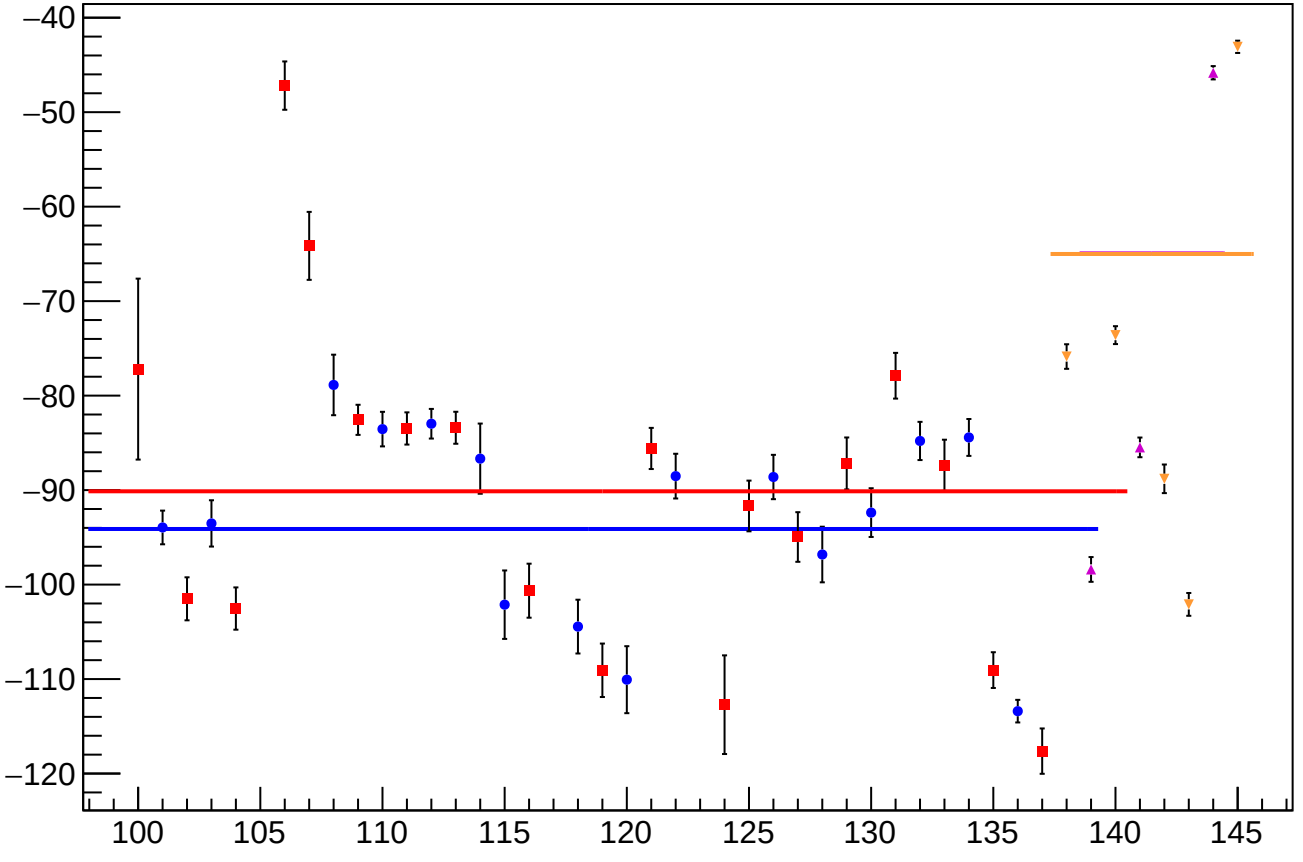
Left In: 0.617+/-0.409 χ^2/NDF:2.5/2

+ sign -0.776+/-0.282 χ^2/NDF: 640.8/20

All: -1.133+/-0.212 χ^2/NDF: 860.9/42

- sign -1.598+/-0.322 χ^2/NDF: 216.4/21

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

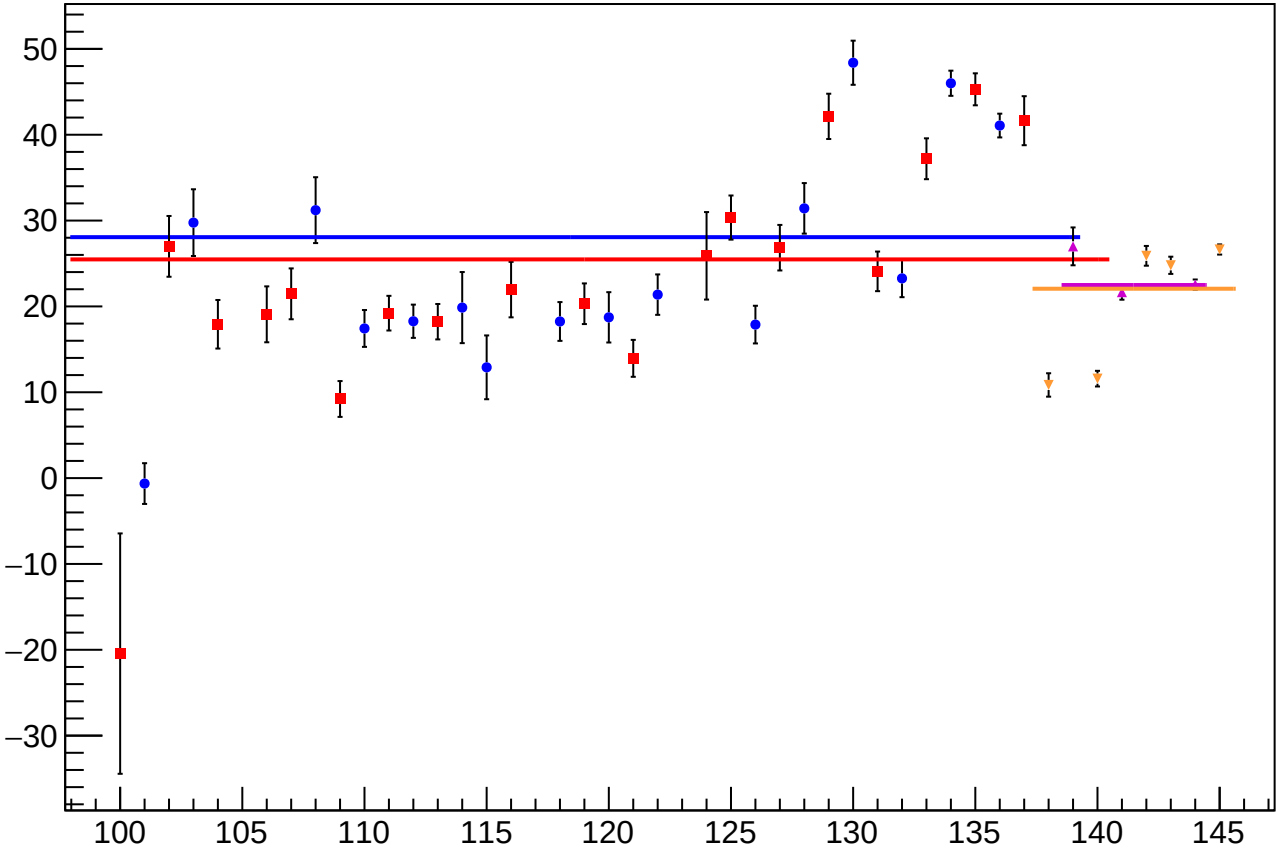
Left In: -64.943+/-0.533 χ^2/NDF:1776.4/2

+ sign -76.663+/-0.340 χ^2/NDF: 4707.7/20

All: -76.949+/-0.253 χ^2/NDF: 8370.2/42

- sign -77.308+/-0.380 χ^2/NDF: 3660.9/21

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

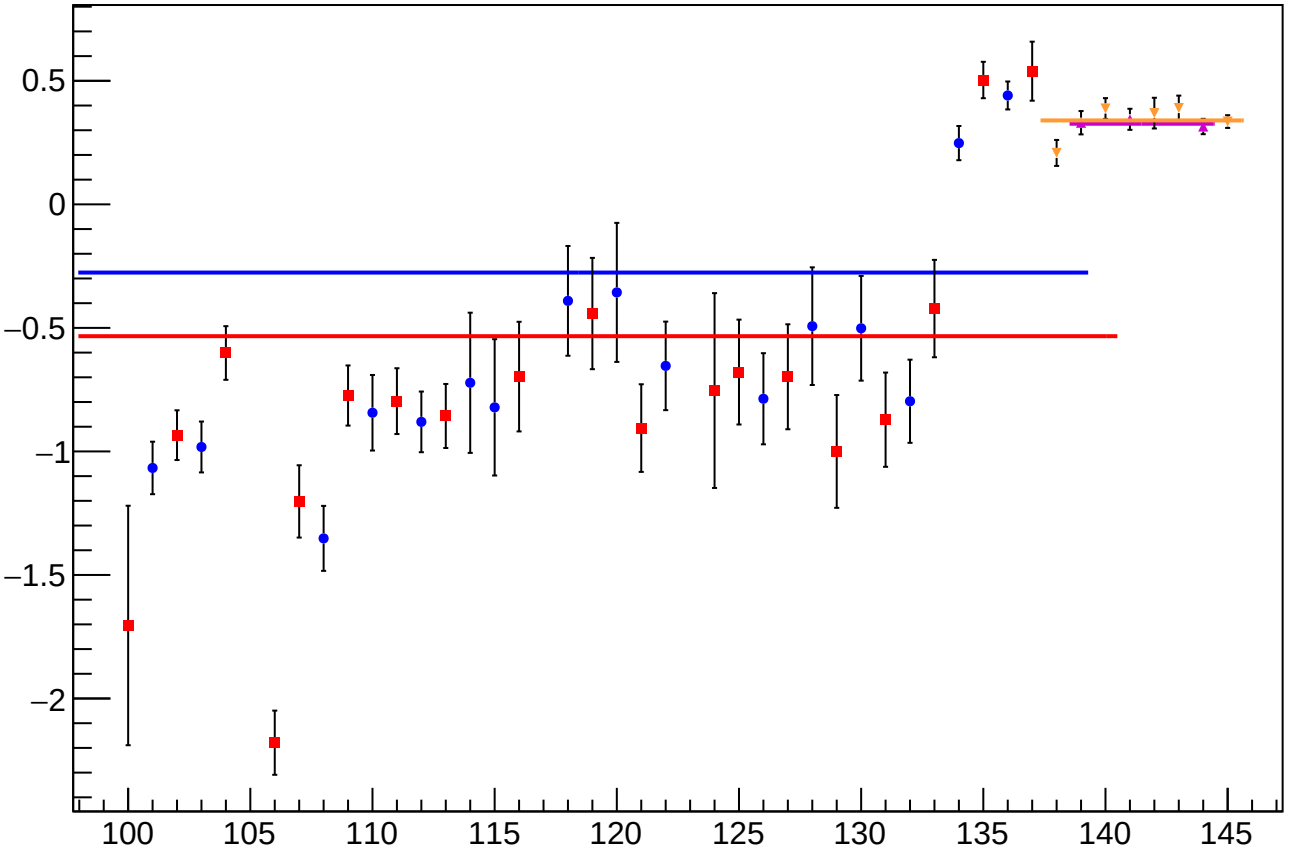
Left In: 22.492+/-0.479 χ^2/NDF:5.1/2

+ sign 24.030+/-0.326 χ^2/NDF: 935.5/20

All: 23.876+/-0.245 χ^2/NDF: 1311.1/42

- sign 23.676+/-0.372 χ^2/NDF: 375.1/21

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

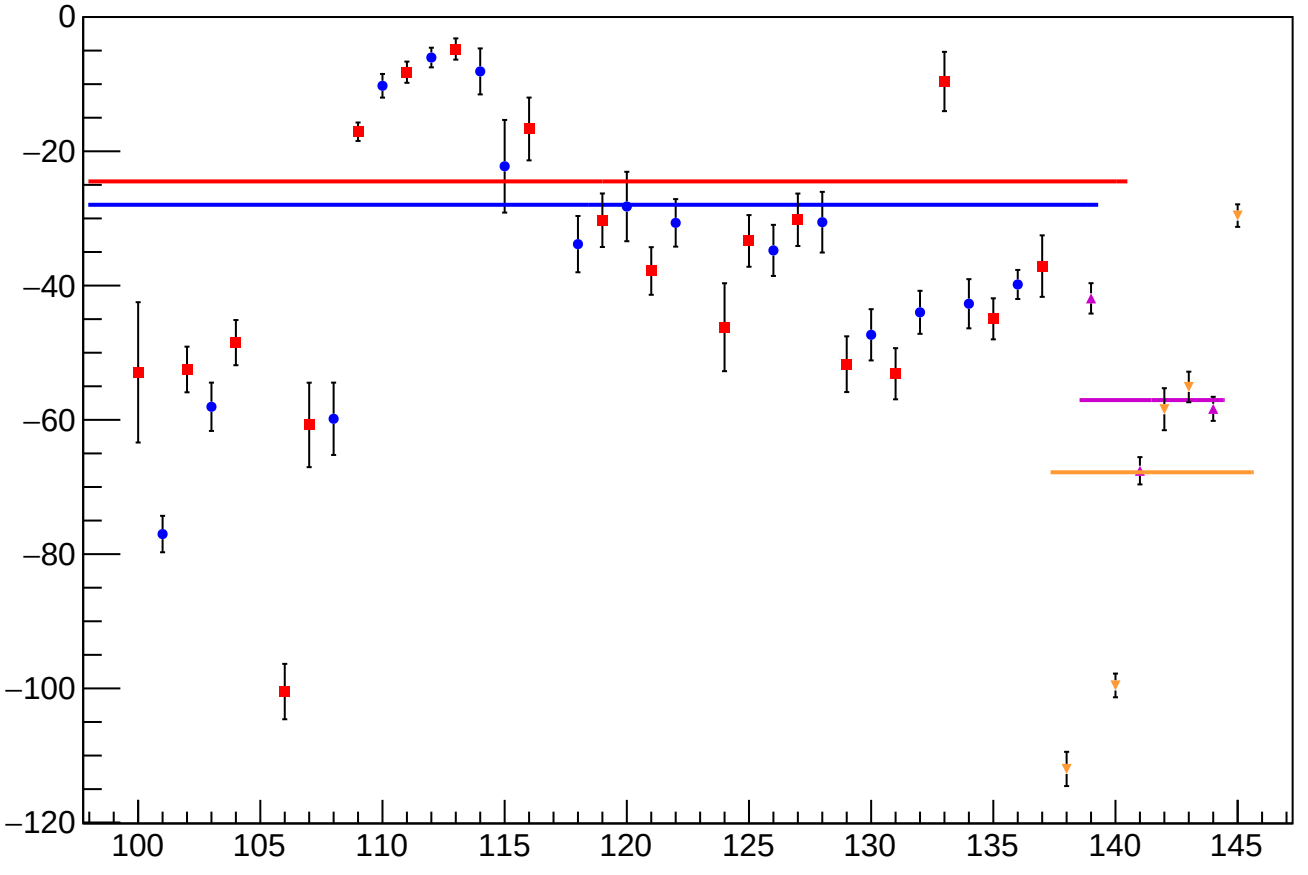
Left In: 0.326+/-0.022 χ^2/NDF:0.3/2

+ sign 0.181+/-0.016 χ^2/NDF: 764.5/20

All: 0.130+/-0.012 χ^2/NDF: 1772.7/42

- sign 0.057+/-0.018 χ^2/NDF: 981.6/21

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

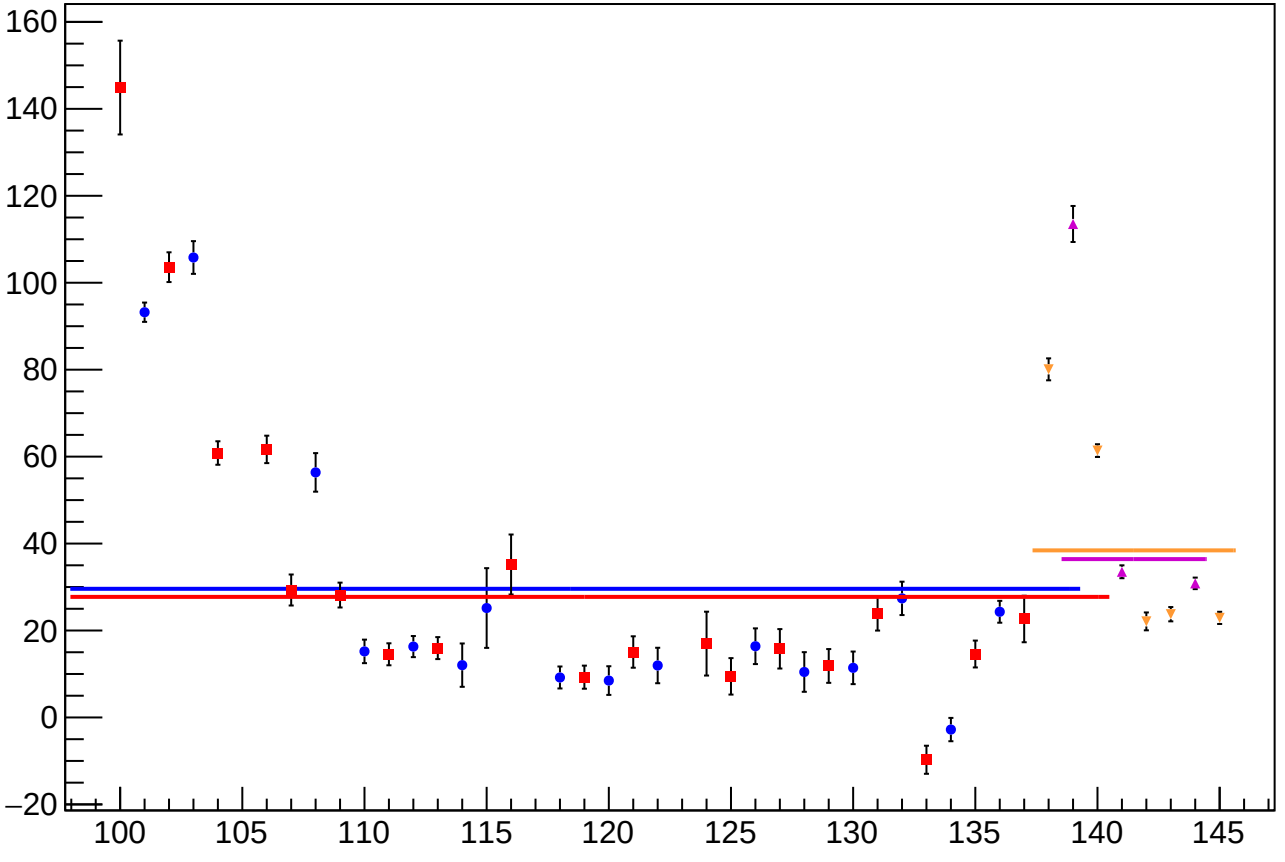
Left In: -57.056+/-1.156 χ^2/NDF:72.2/2

+ sign -42.836+/-0.576 χ^2/NDF: 3196.0/20

All: -37.682+/-0.407 χ^2/NDF: 5015.2/42

- sign -32.545+/-0.575 χ^2/NDF: 1659.4/21

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

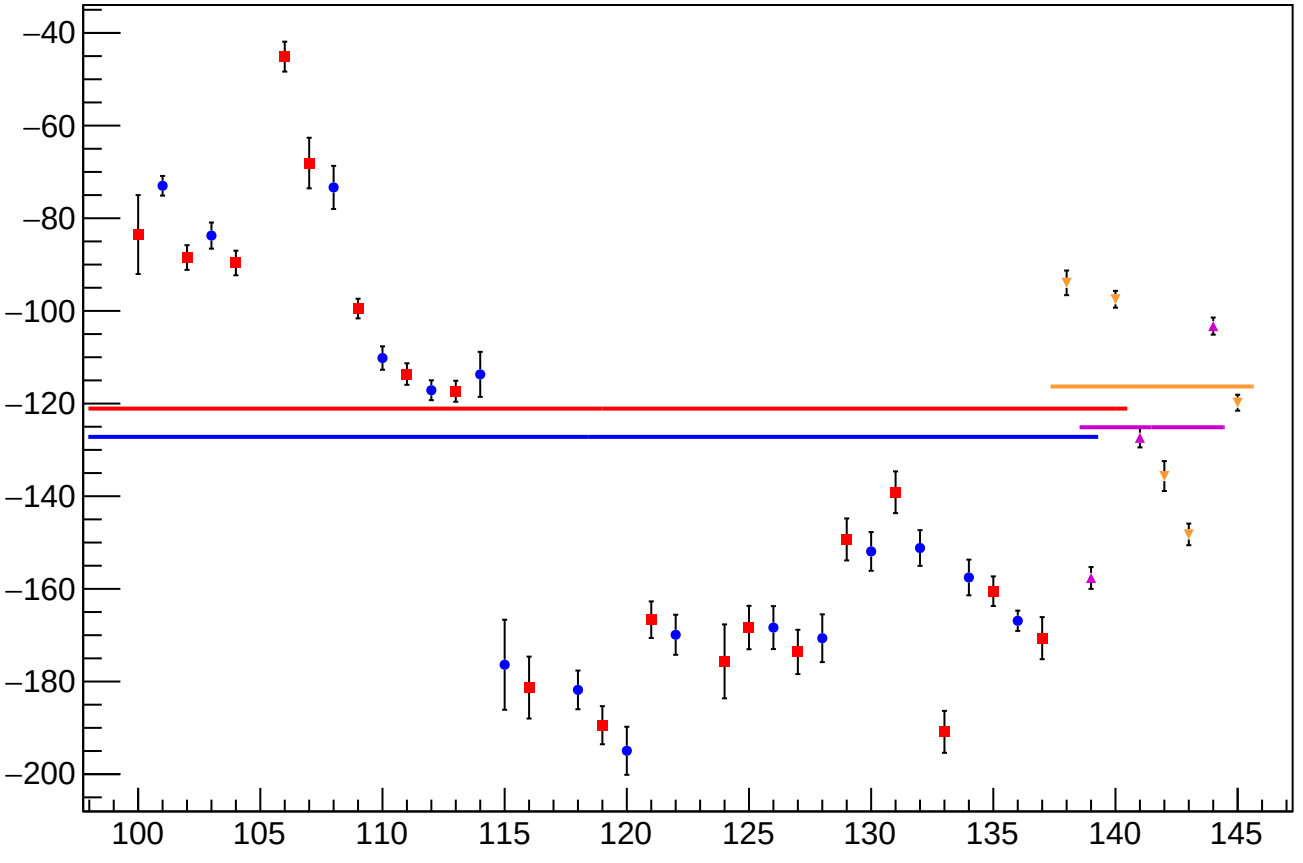
Left In: 36.426+/-0.962 χ^2/NDF:367.7/2

+ sign 34.288+/-0.553 χ^2/NDF: 2511.8/20

All: 32.937+/-0.411 χ^2/NDF: 4126.3/42

- sign 31.272+/-0.614 χ^2/NDF: 1601.2/21

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

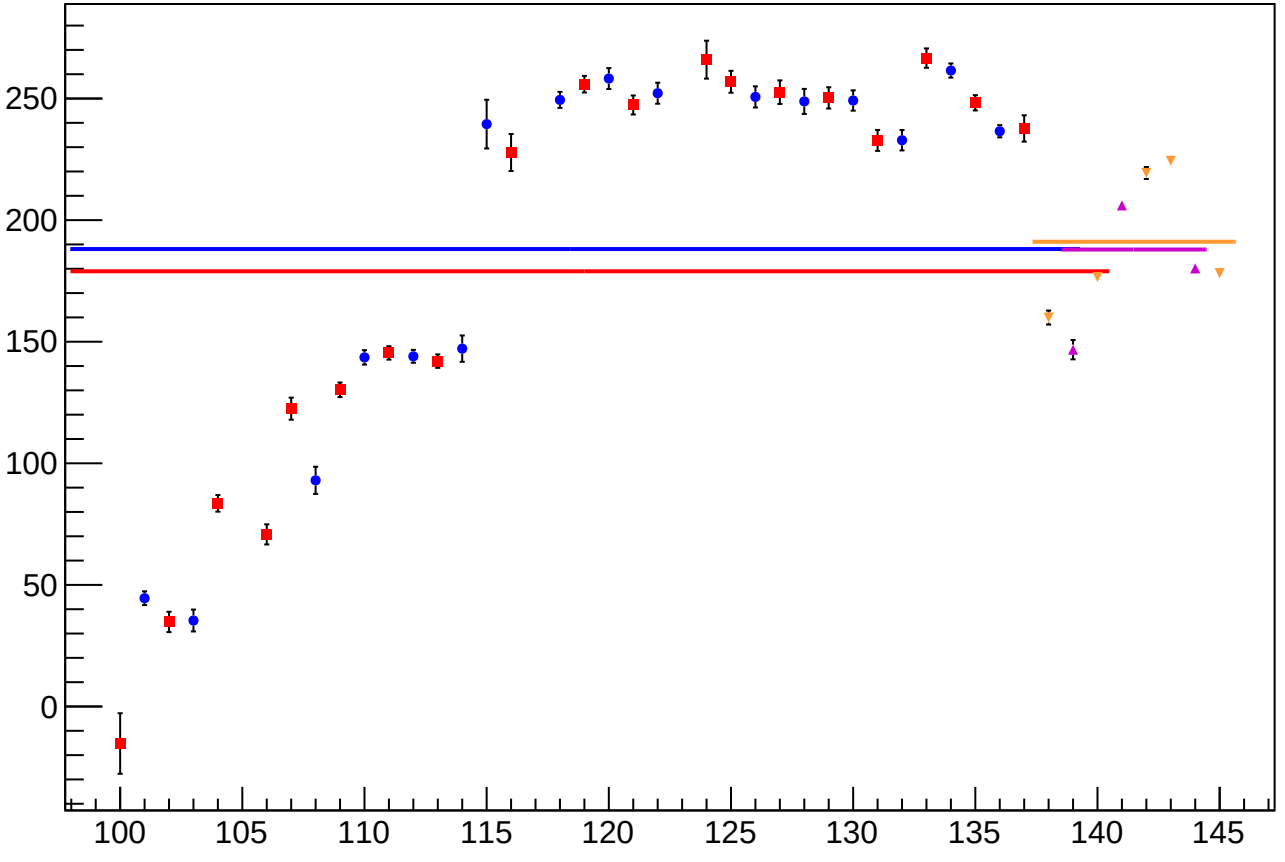
Left In: -125.114+/-1.193 χ^2/NDF:331.7/2

+ sign -122.605+/-0.631 χ^2/NDF: 2655.1/20

All: -122.475+/-0.457 χ^2/NDF: 5392.1/42

- sign -122.331+/-0.663 χ^2/NDF: 2736.9/21

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

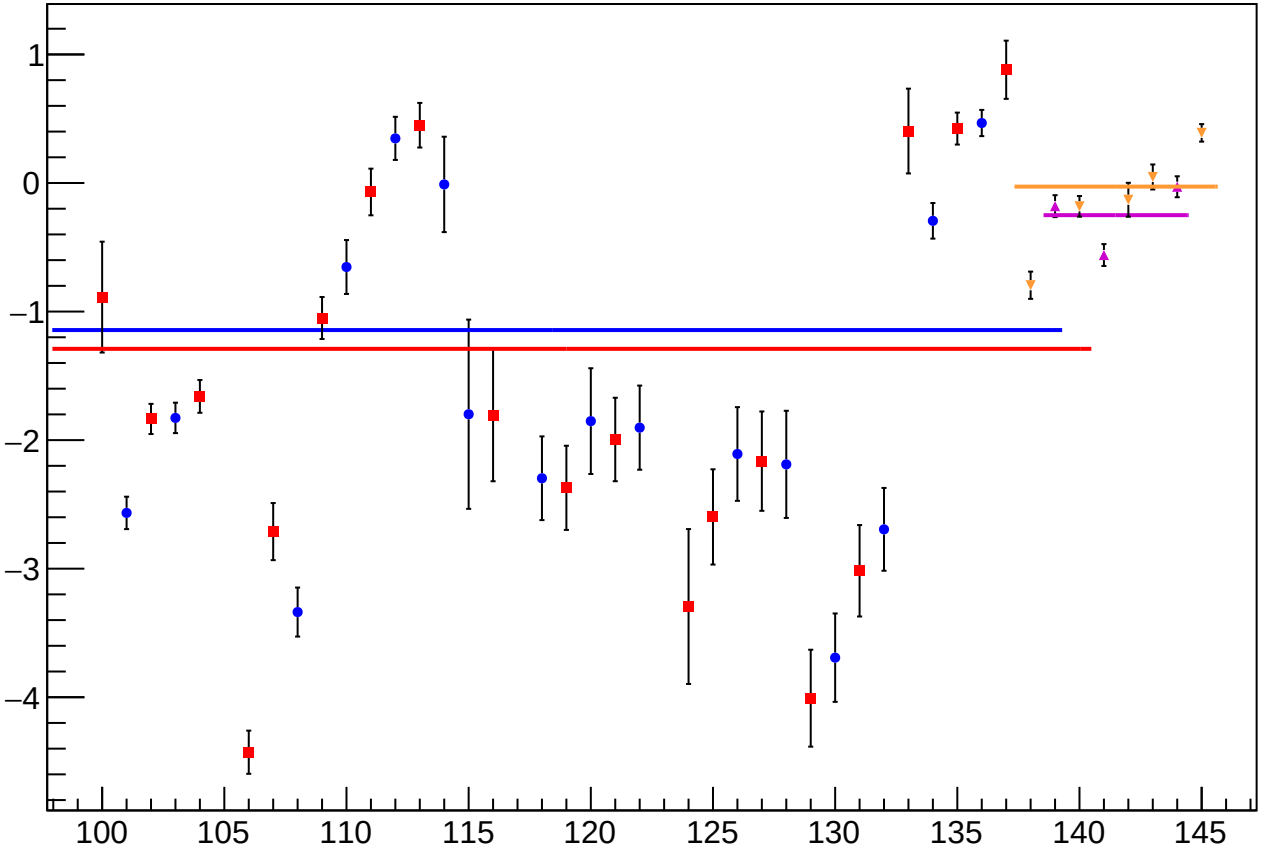
Left In: 187.916+/-1.119 χ^2/NDF:237.8/2

\+ sign 189.655+/-0.639 χ^2/NDF: 7798.8/20

All: 186.440+/-0.473 χ^2/NDF: 14800.1/42

\- sign 182.523+/-0.705 χ^2/NDF: 6945.1/21

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

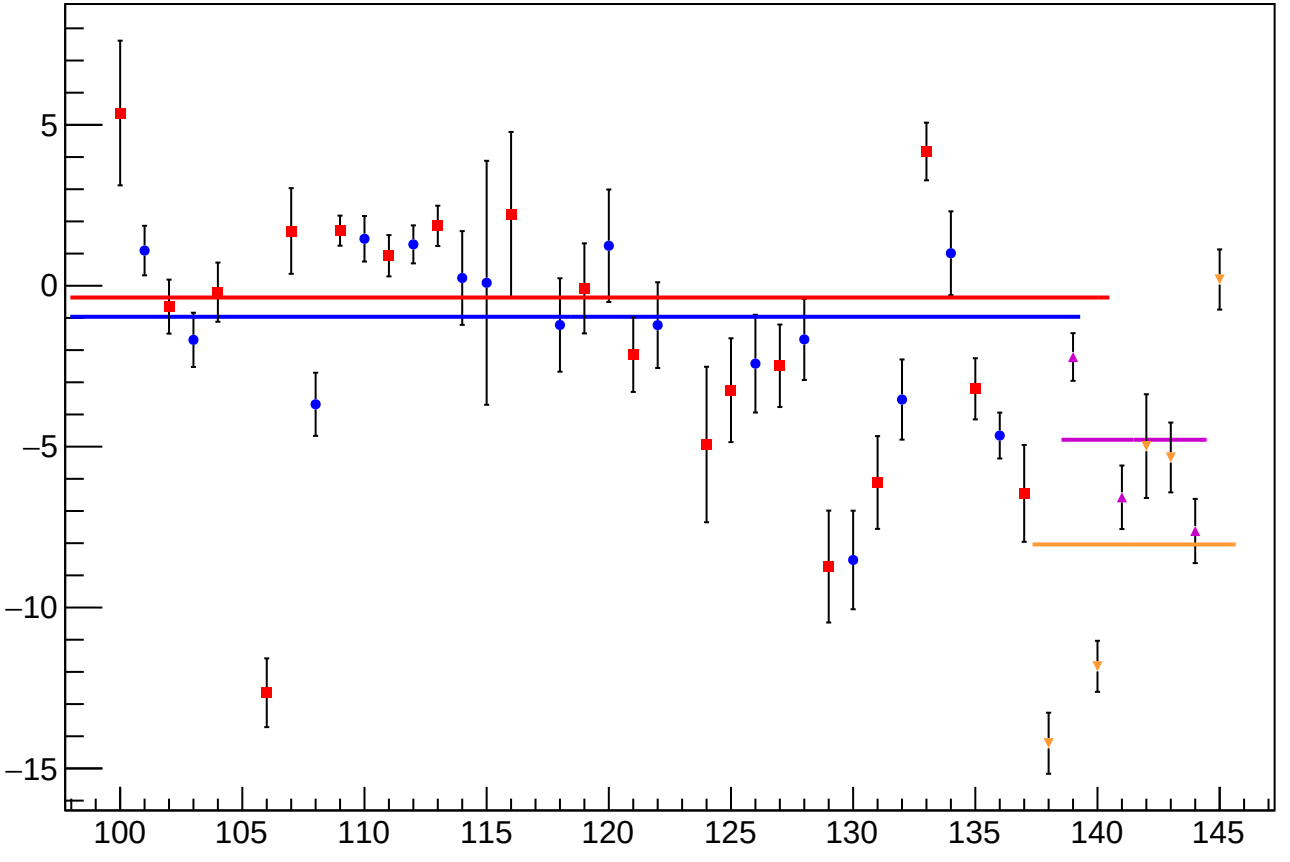
Left In: -0.250+/-0.048 χ^2/NDF:21.3/2

+ sign -0.486+/-0.031 χ^2/NDF: 1200.4/20

All: -0.619+/-0.023 χ^2/NDF: 2496.4/42

- sign -0.781+/-0.034 χ^2/NDF: 1254.7/21

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

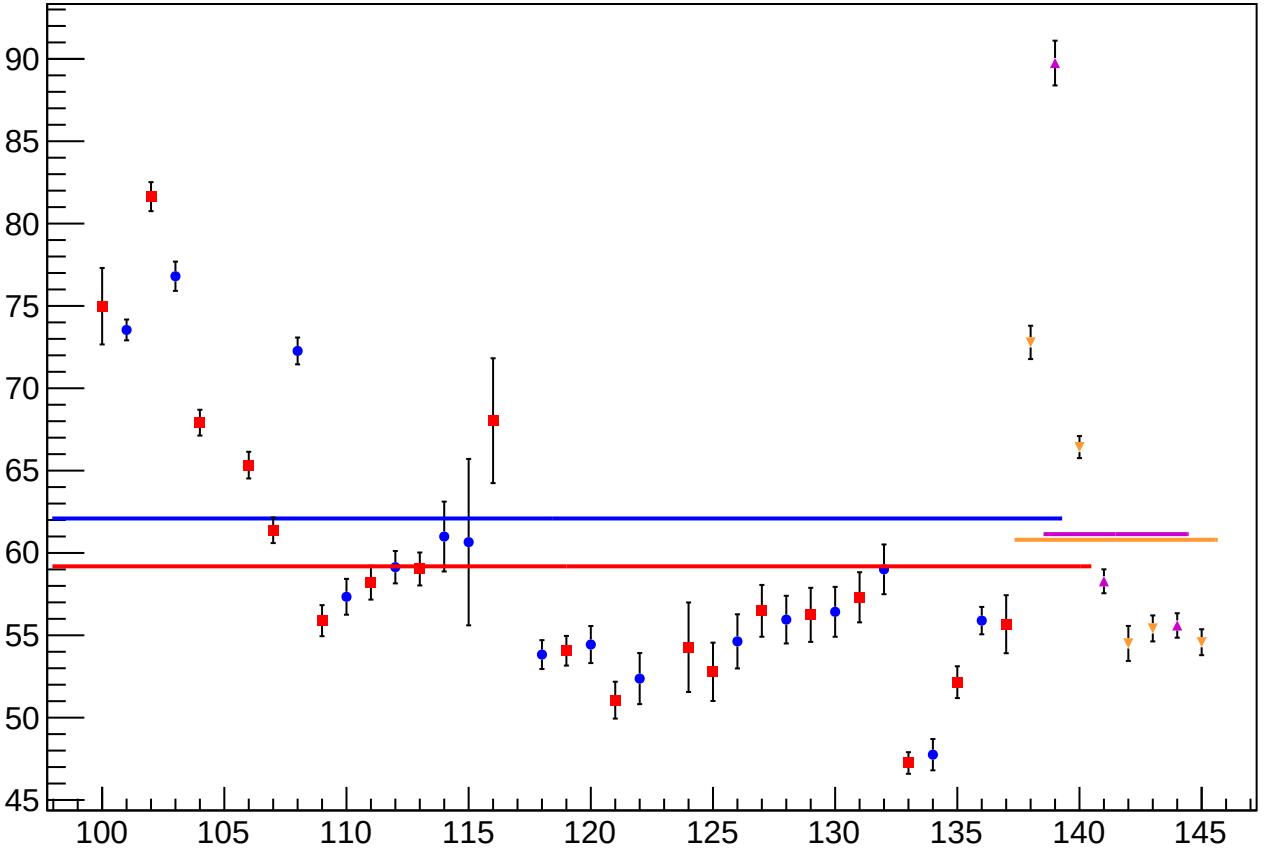
Left In: -4.786+/-0.509 χ^2/NDF:23.4/2

+ sign -2.701+/-0.220 χ^2/NDF: 447.4/20

All: -1.833+/-0.150 χ^2/NDF: 843.6/42

- sign -1.080+/-0.205 χ^2/NDF: 367.1/21

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

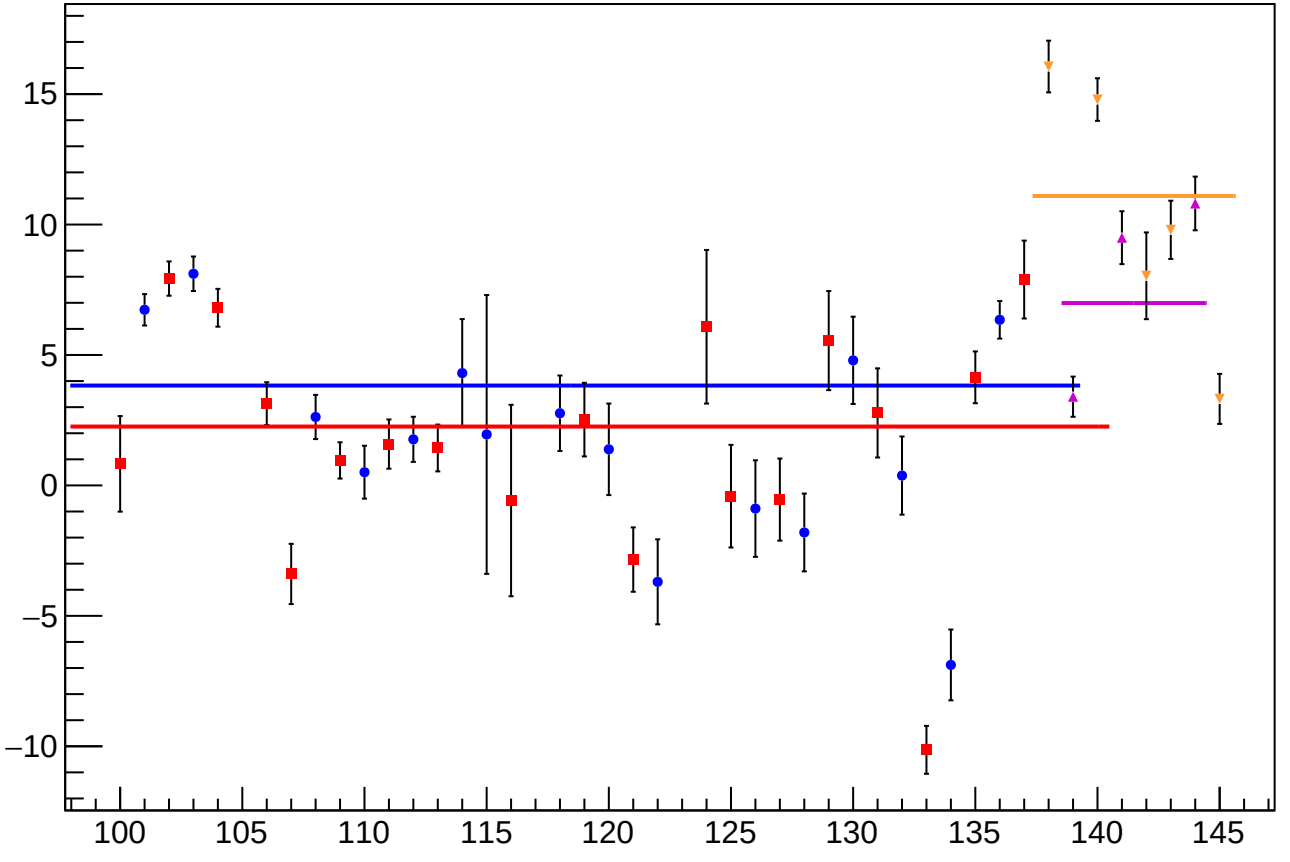
Left In: 61.144+/-0.485 χ^2/NDF:514.4/2

+ sign 61.654+/-0.216 χ^2/NDF: 1664.3/20

All: 60.629+/-0.153 χ^2/NDF: 3639.5/42

- sign 59.582+/-0.218 χ^2/NDF: 1929.5/21

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

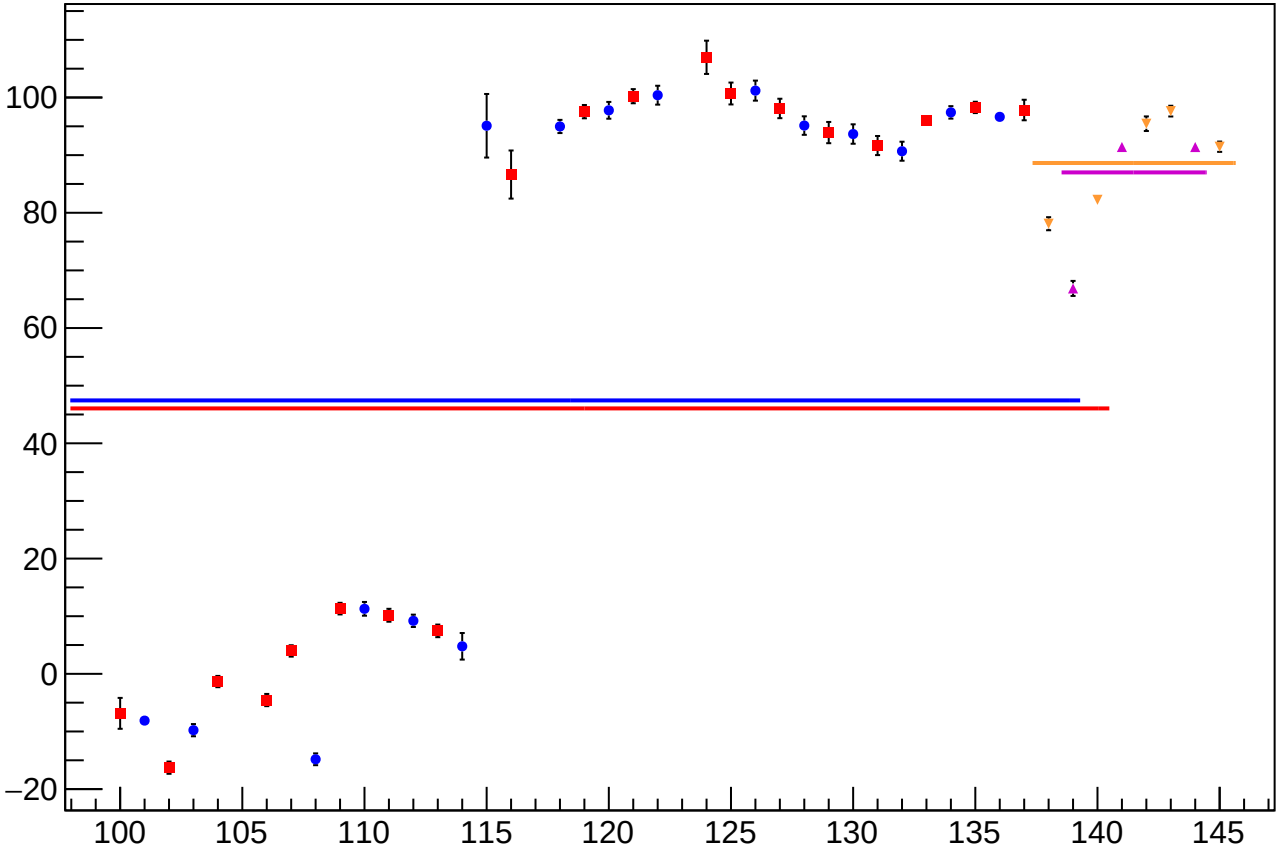
Left In: 6.990+/-0.527 χ^2/NDF:41.6/2

\+ sign 5.655+/-0.230 χ^2/NDF: 513.4/20

All: 4.346+/-0.160 χ^2/NDF: 1056.5/42

\- sign 3.107+/-0.223 χ^2/NDF: 479.8/21

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

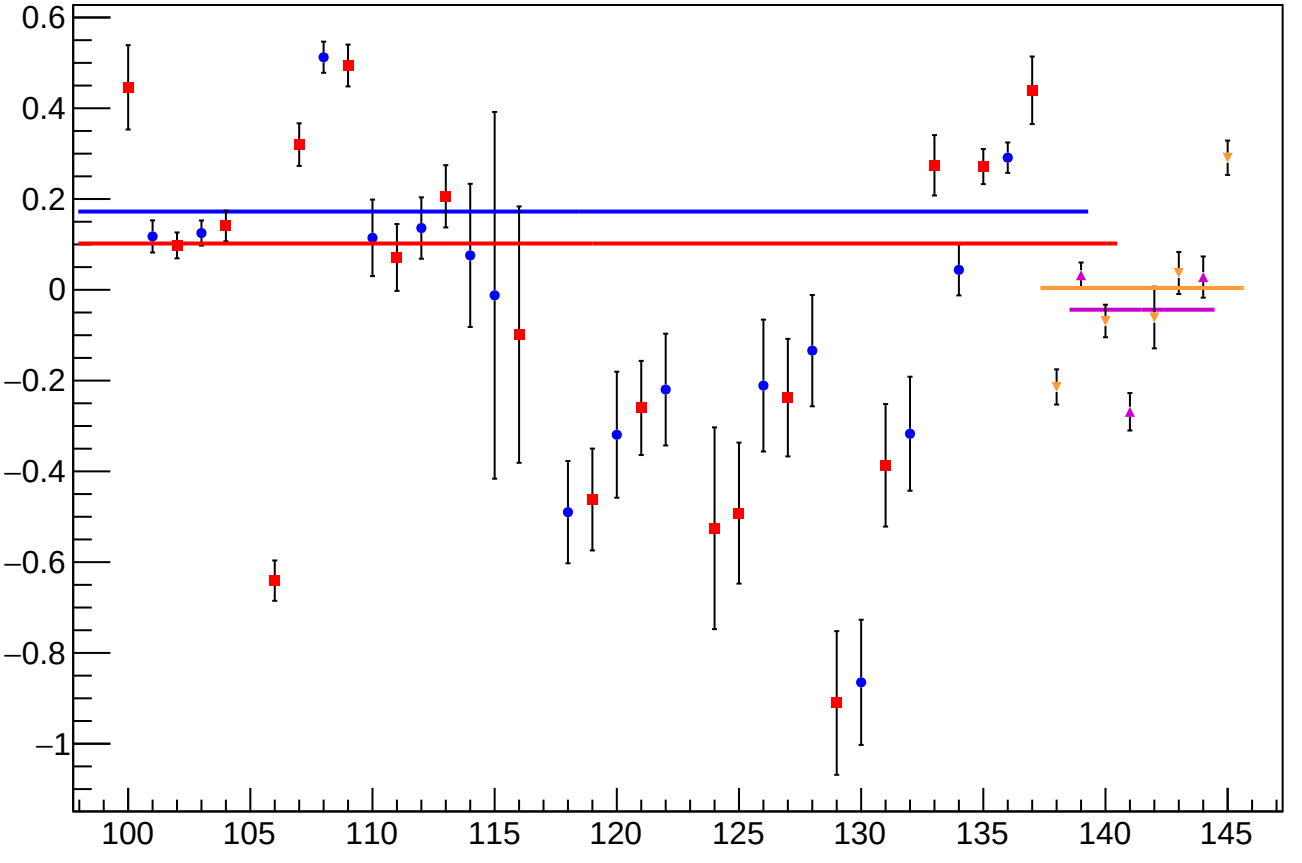
Left In: 87.002+/-0.553 χ^2/NDF:289.9/2

+ sign 61.331+/-0.251 χ^2/NDF: 33197.7/20

All: 58.001+/-0.178 χ^2/NDF: 67073.6/42

- sign 54.612+/-0.253 χ^2/NDF: 33520.1/21

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

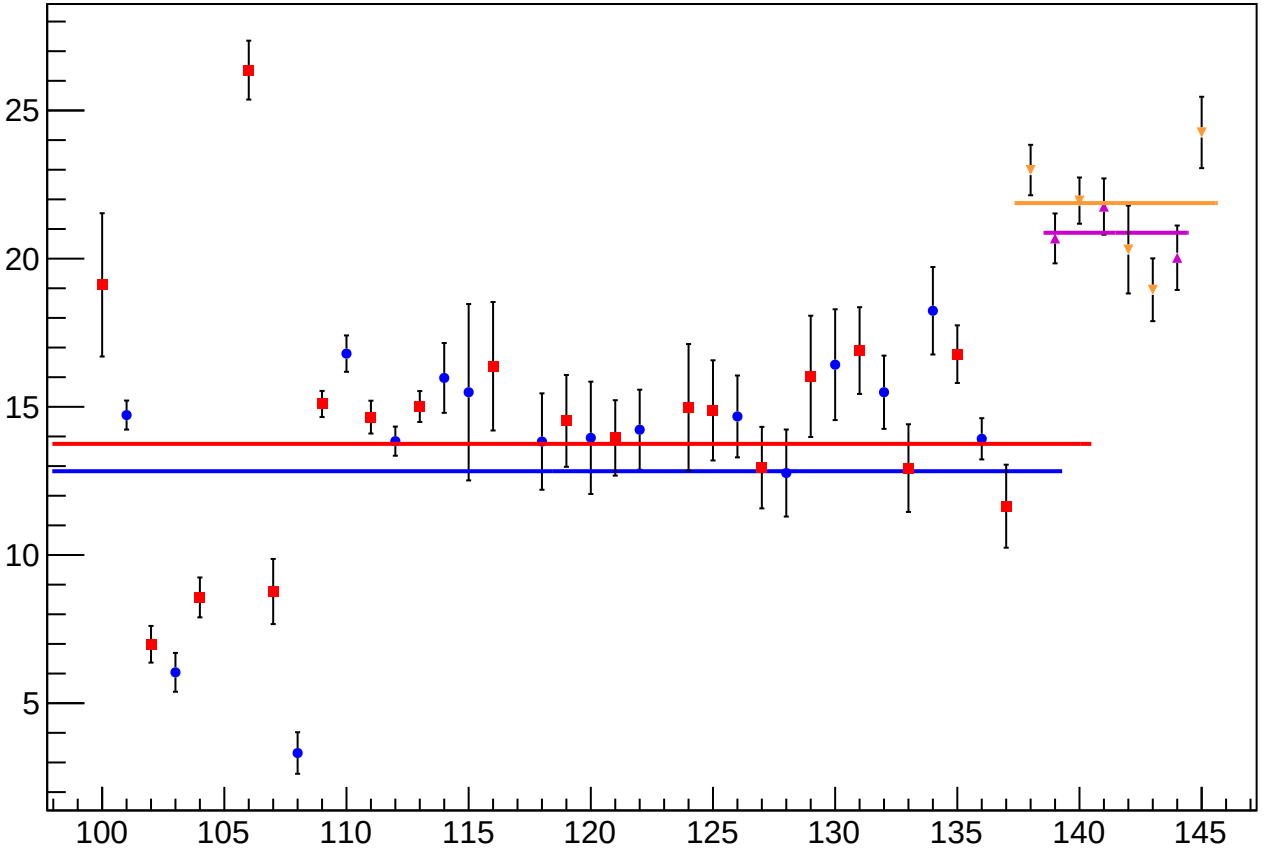
Left In: -0.044+/-0.021 χ^2/NDF:39.6/2

+ sign 0.112+/-0.011 χ^2/NDF: 410.6/20

All: 0.085+/-0.008 χ^2/NDF: 1055.1/42

- sign 0.059+/-0.011 χ^2/NDF: 633.5/21

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

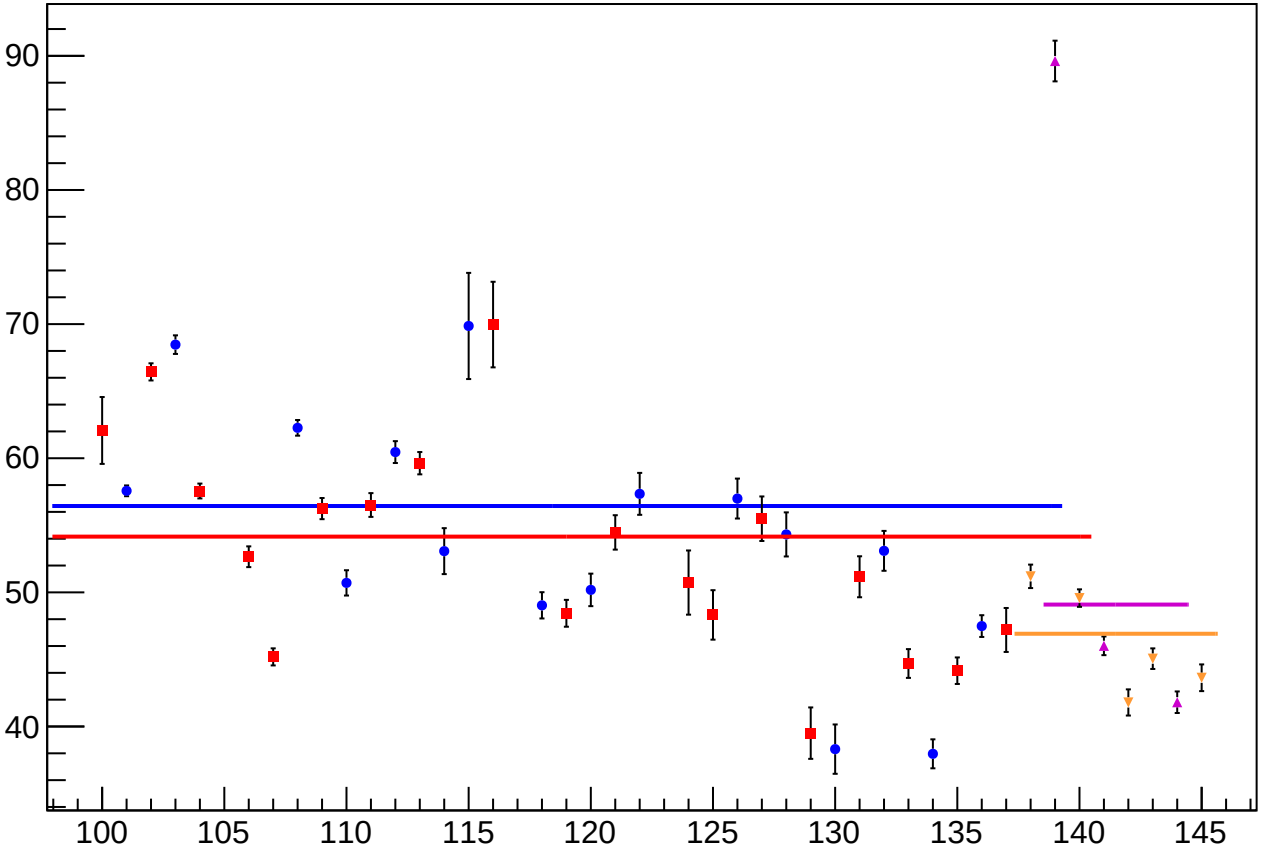
Left In: 20.873+/-0.545 χ^2/NDF:1.5/2

+ sign 14.531+/-0.193 χ^2/NDF: 738.8/20

All: 14.579+/-0.136 χ^2/NDF: 1294.2/42

- sign 14.626+/-0.191 χ^2/NDF: 555.3/21

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

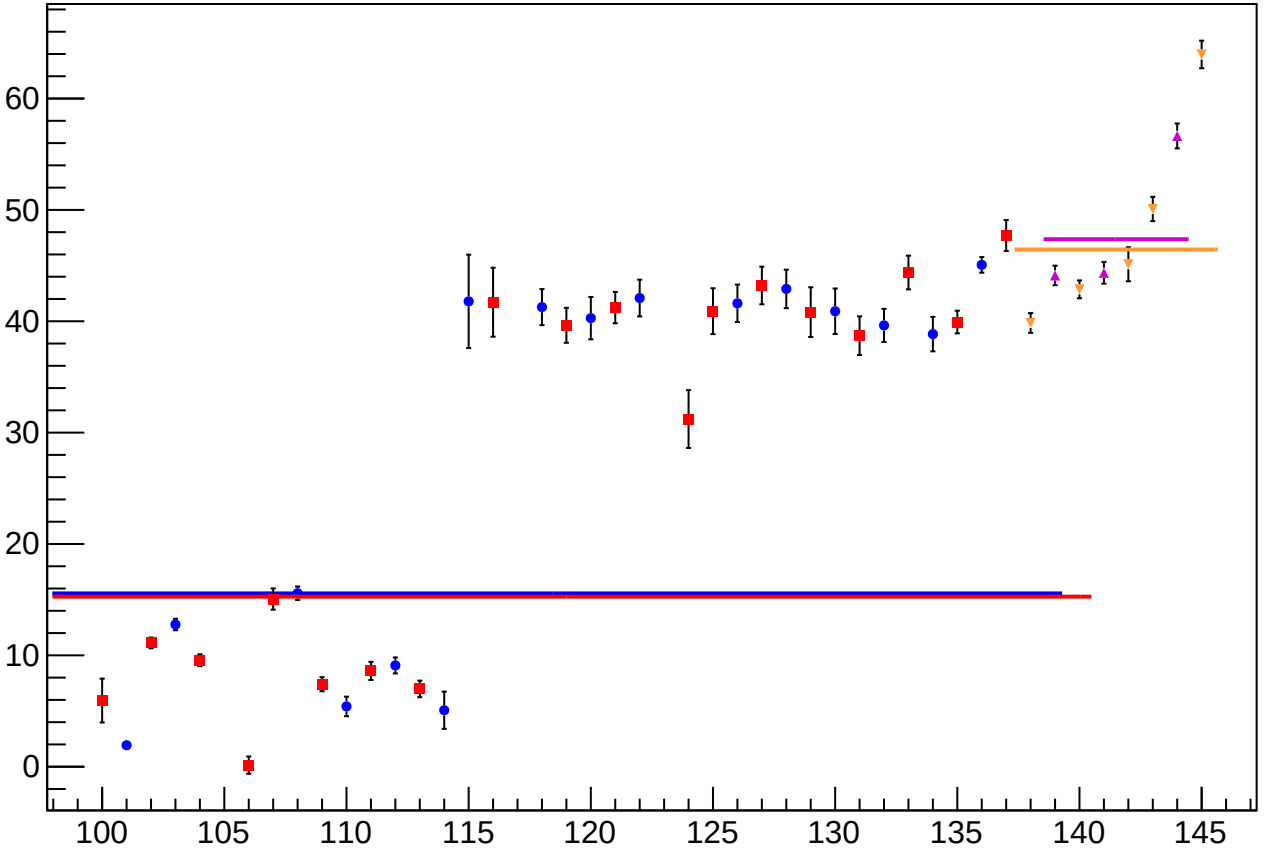
Left In: 49.090+/-0.497 χ^2/NDF:815.1/2

+ sign 53.893+/-0.190 χ^2/NDF: 1665.6/20

All: 53.618+/-0.139 χ^2/NDF: 3578.0/42

- sign 53.298+/-0.205 χ^2/NDF: 1907.9/21

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

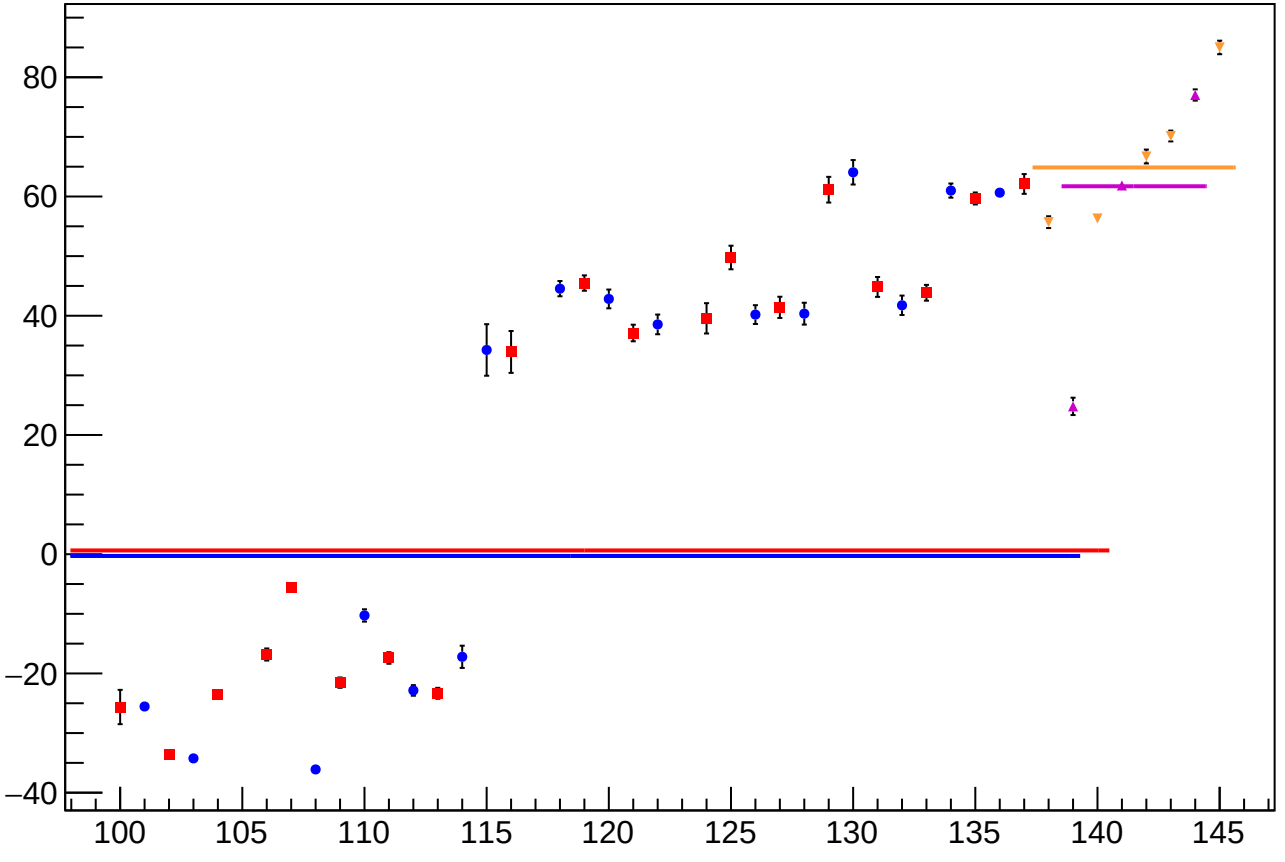
Left In: 47.367+/-0.563 χ^2/NDF:92.0/2

+ sign 21.074+/-0.194 χ^2/NDF: 9180.6/20

All: 20.323+/-0.141 χ^2/NDF: 15996.7/42

- sign 19.490+/-0.204 χ^2/NDF: 6784.5/21

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

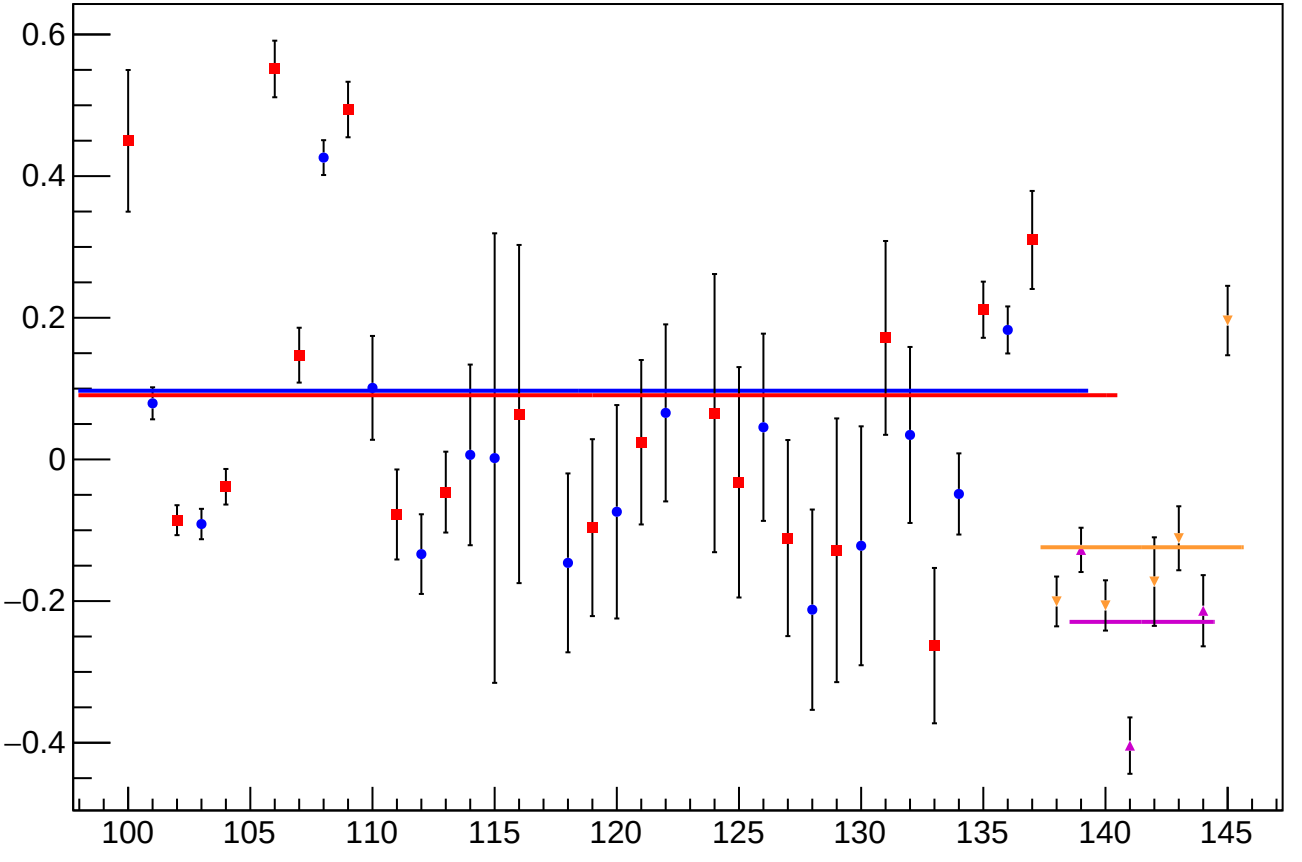
Left In: 61.717+/-0.572 χ^2/NDF:907.9/2

+ sign 17.217+/-0.224 χ^2/NDF: 38289.8/20

All: 14.480+/-0.163 χ^2/NDF: 64961.0/42

- sign 11.342+/-0.239 χ^2/NDF: 26349.5/21

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

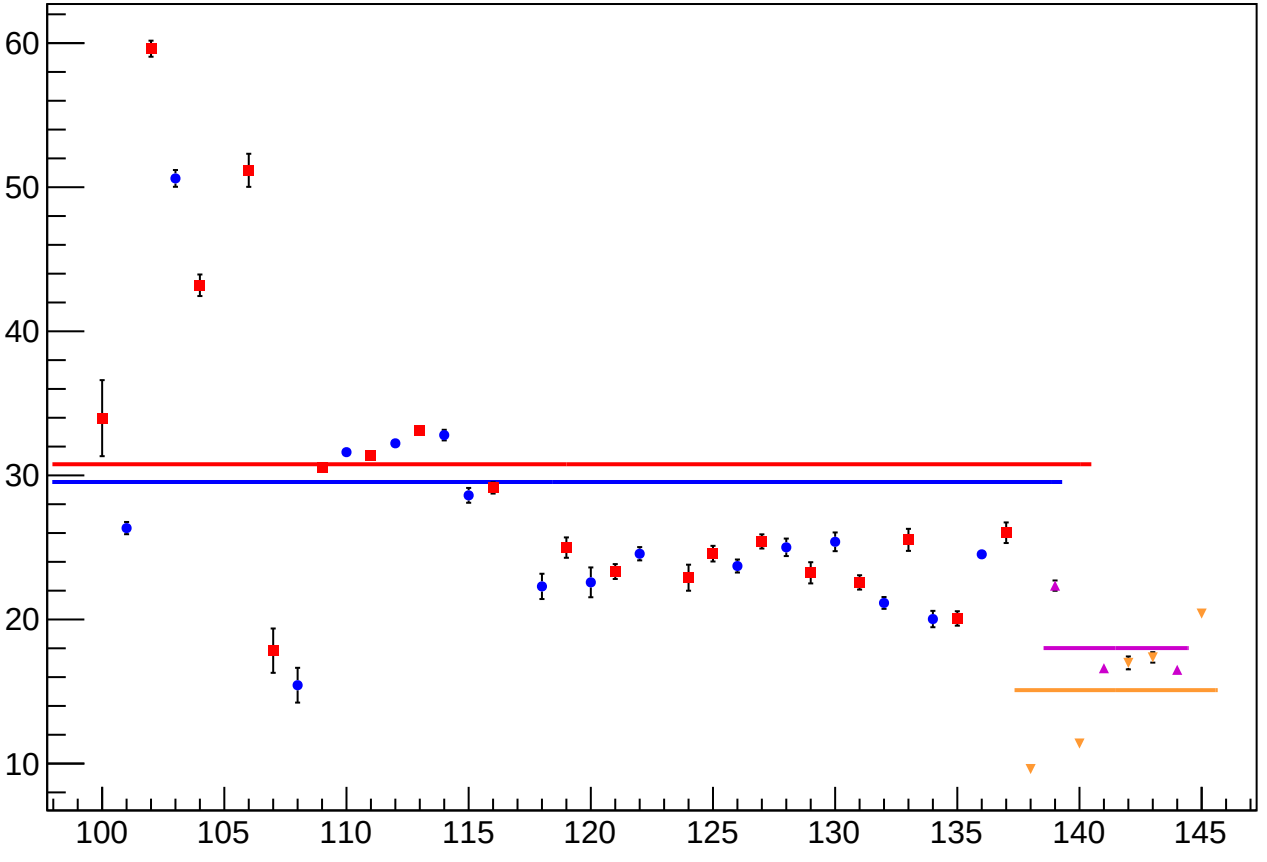
Left In: -0.229+/-0.022 χ^2/NDF:29.9/2

+ sign 0.040+/-0.010 χ^2/NDF: 452.7/20

All: 0.032+/-0.007 χ^2/NDF: 1049.3/42

- sign 0.023+/-0.010 χ^2/NDF: 595.1/21

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

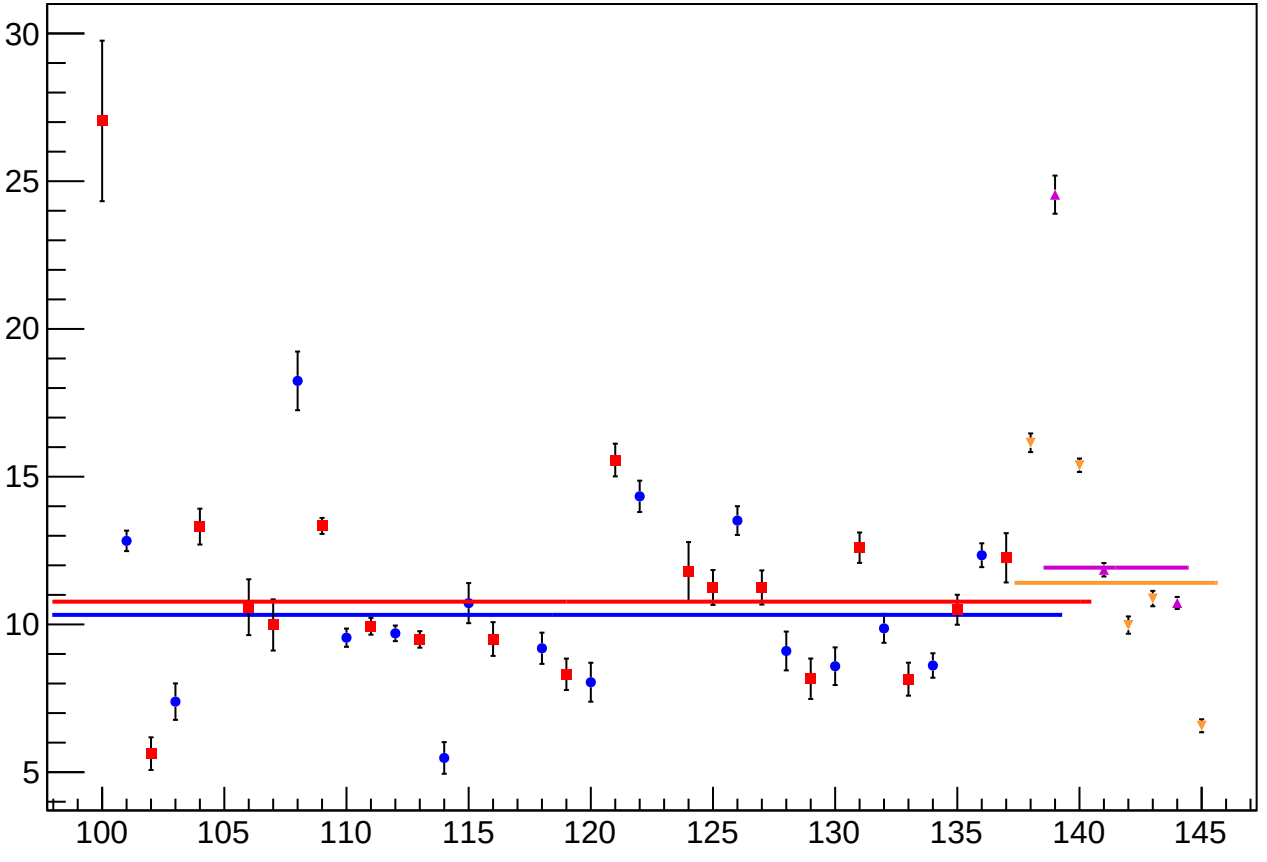
Left In: 18.015+/-0.179 χ^2/NDF:196.9/2

+ sign 25.347+/-0.077 χ^2/NDF: 11432.8/20

All: 27.092+/-0.053 χ^2/NDF: 21890.4/42

- sign 28.648+/-0.073 χ^2/NDF: 9498.2/21

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

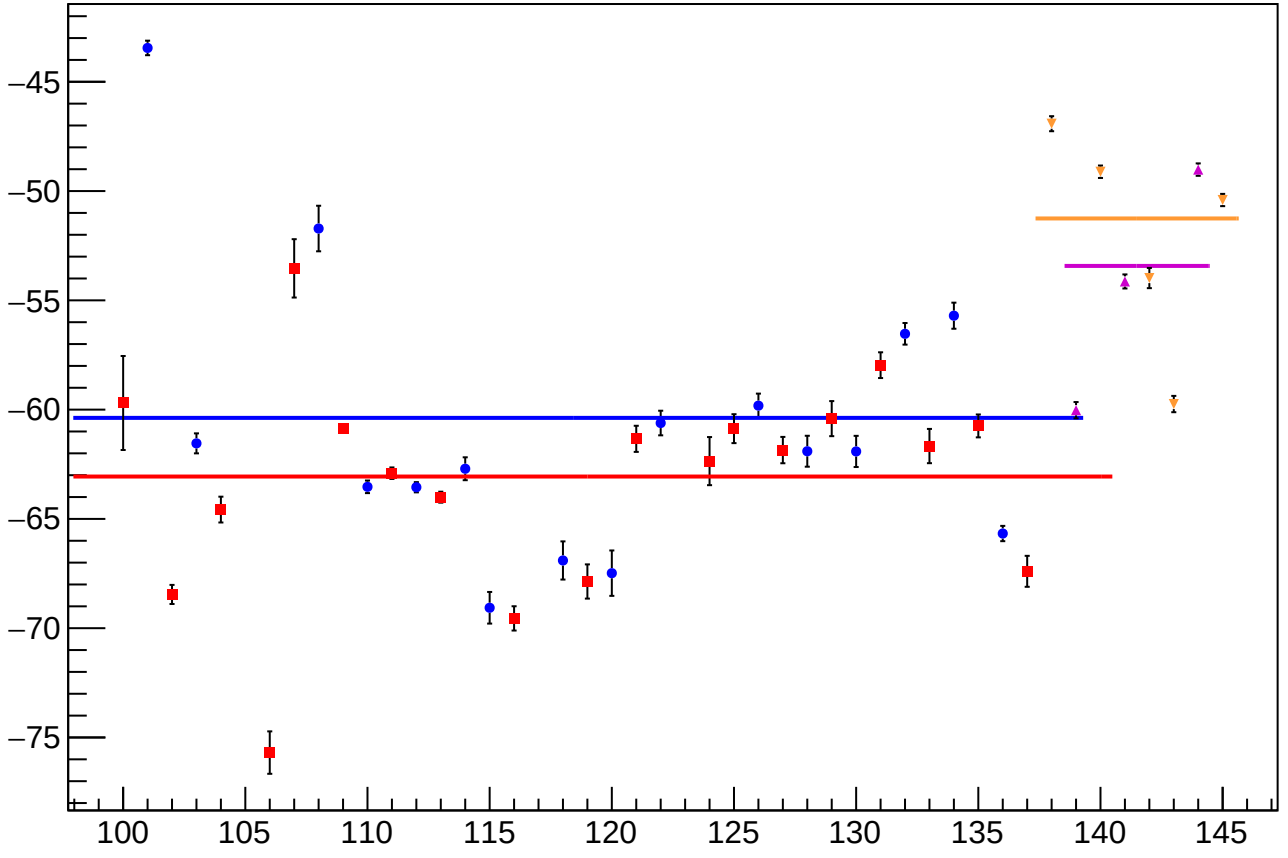
Left In: 11.922+/-0.148 χ^2/NDF:417.0/2

+ sign 10.863+/-0.081 χ^2/NDF: 1485.5/20

All: 11.012+/-0.060 χ^2/NDF: 2364.2/42

- sign 11.195+/-0.090 χ^2/NDF: 871.1/21

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

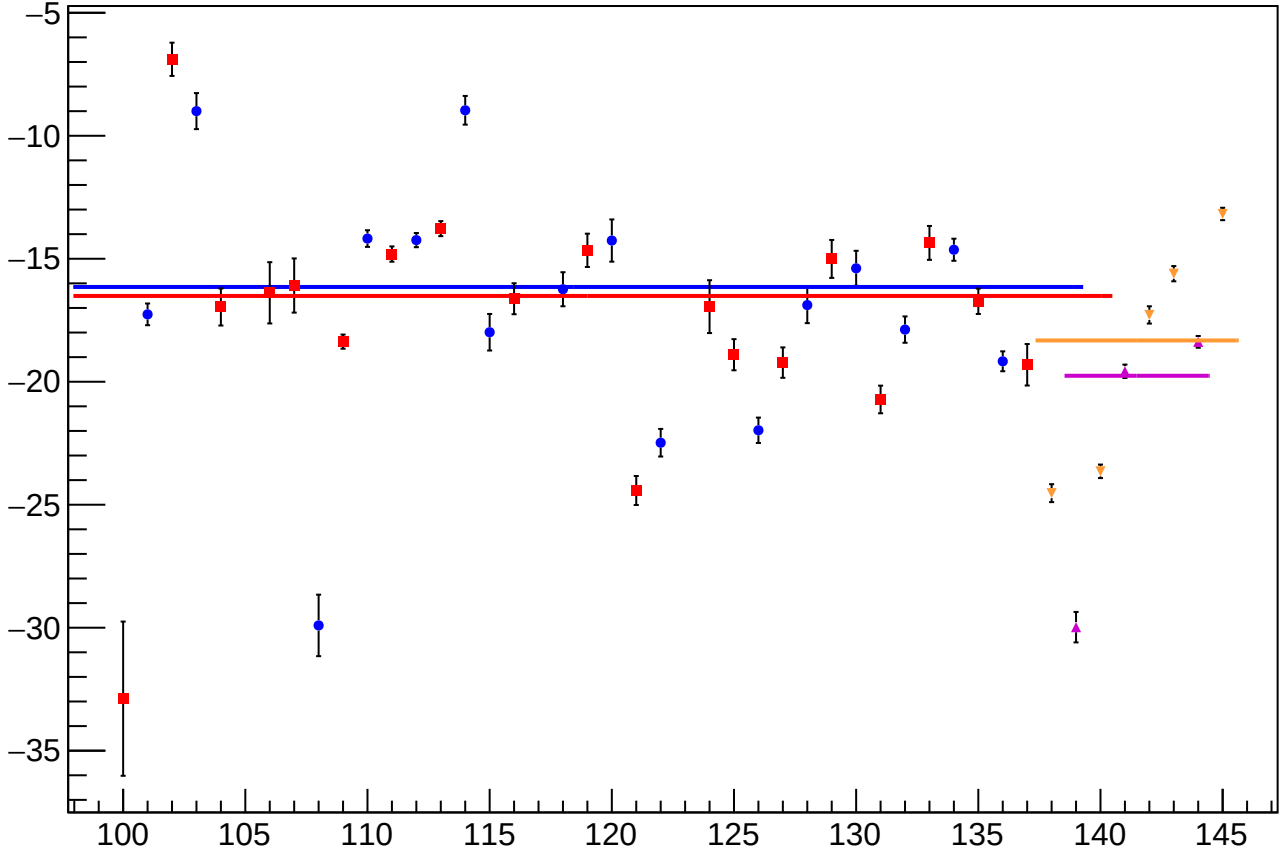
Left In: -53.425+/-0.185 χ^2/NDF:559.4/2

+ sign -57.030+/-0.090 χ^2/NDF: 6766.2/20

All: -58.777+/-0.065 χ^2/NDF: 10980.1/42

- sign -60.636+/-0.093 χ^2/NDF: 3434.8/21

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

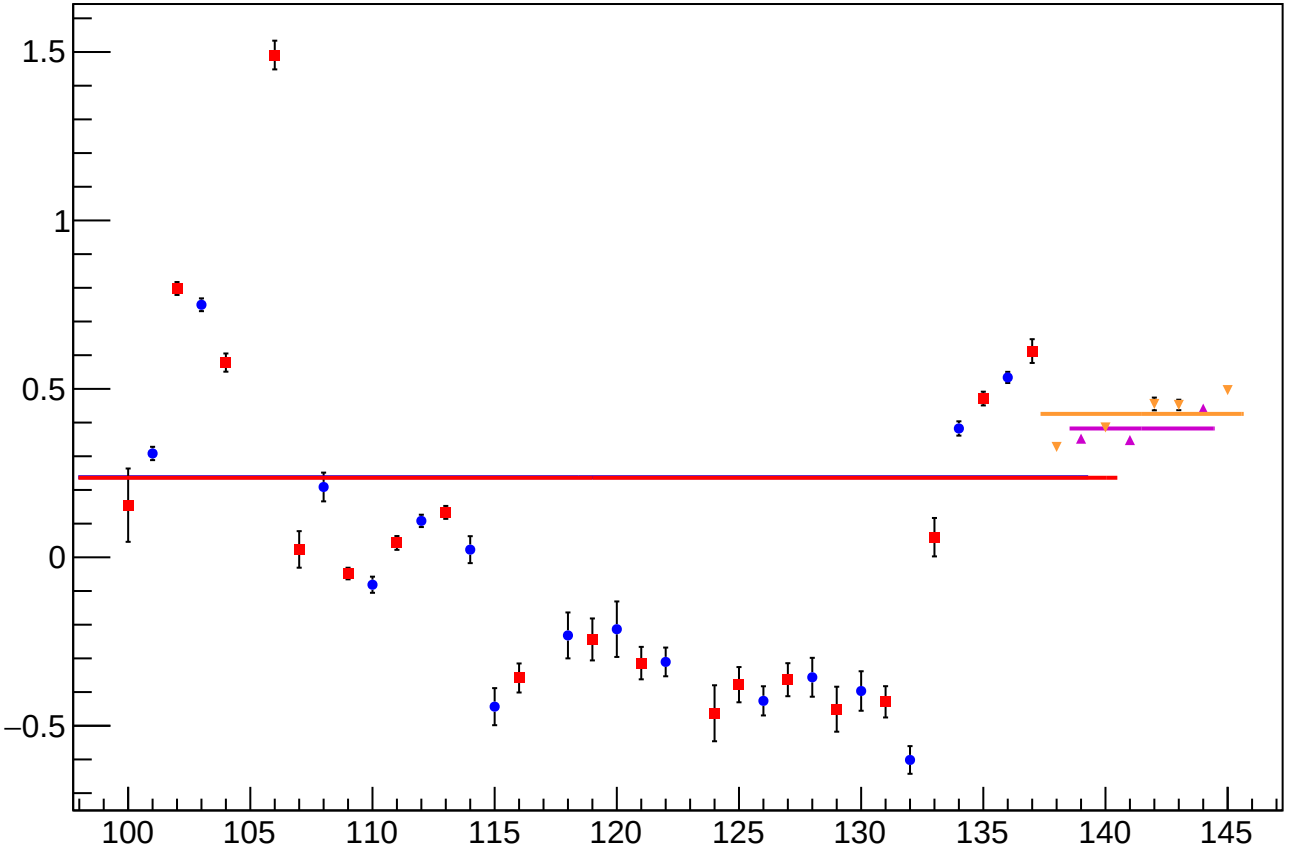
Left In: -19.757+/-0.172 χ^2/NDF:306.3/2

+ sign -17.170+/-0.093 χ^2/NDF: 2098.9/20

All: -17.378+/-0.068 χ^2/NDF: 3333.7/42

- sign -17.626+/-0.101 χ^2/NDF: 1223.7/21

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

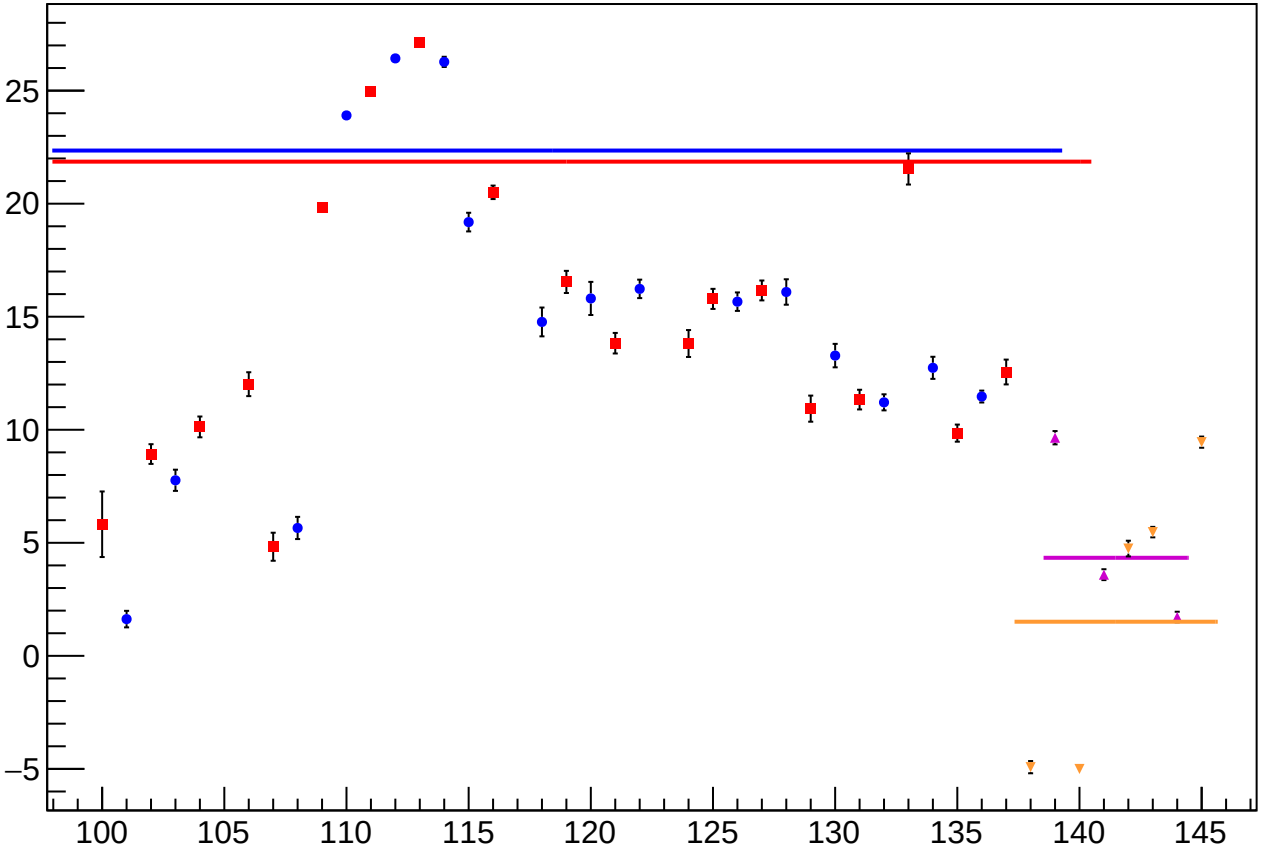
Left In: 0.382+/-0.008 χ^2/NDF:33.7/2

+ sign 0.345+/-0.005 χ^2/NDF: 3141.5/20

All: 0.327+/-0.003 χ^2/NDF: 7003.0/42

- sign 0.305+/-0.005 χ^2/NDF: 3828.8/21

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

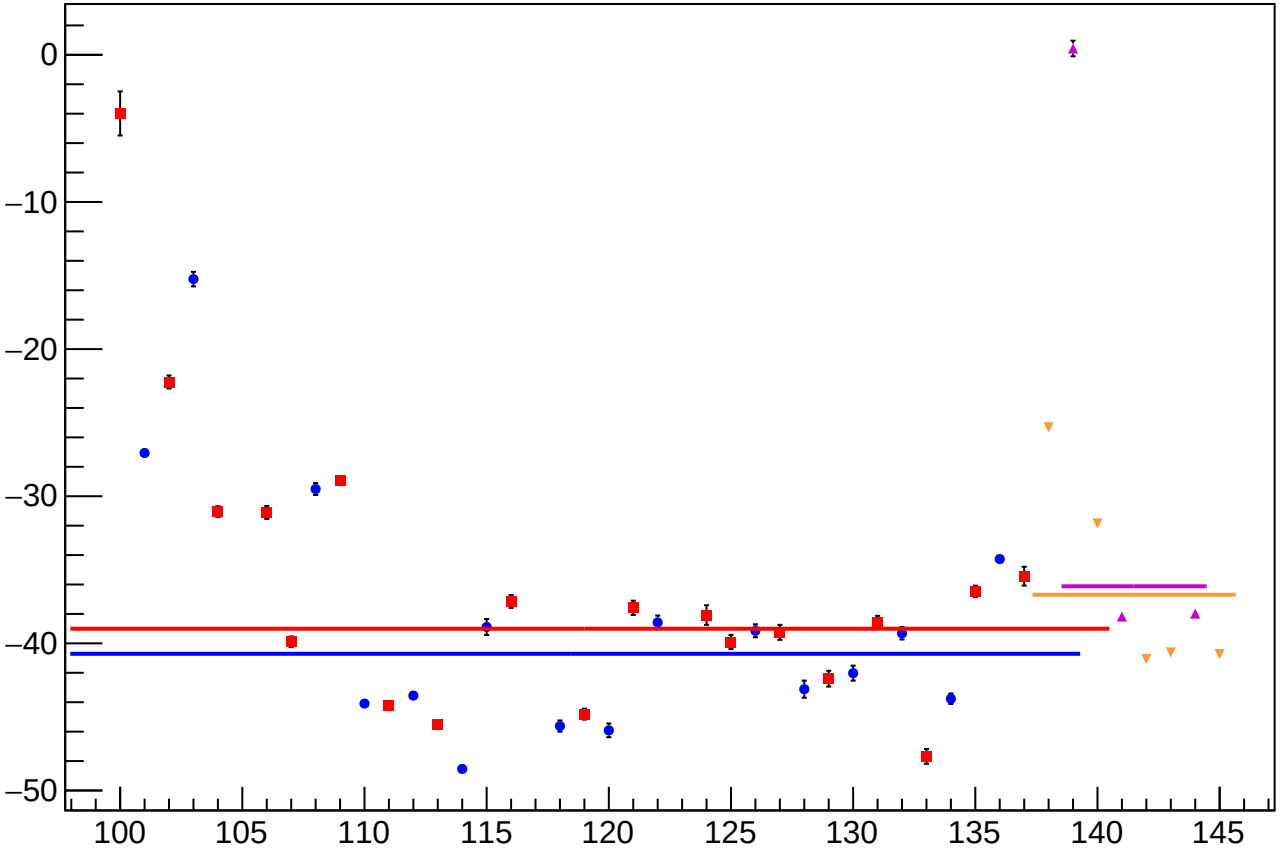
Left In: 4.337+/-0.146 χ^2/NDF:460.1/2

\+ sign 18.163+/-0.051 χ^2/NDF: 42514.9/20

All: 19.349+/-0.033 χ^2/NDF: 67787.4/42

\- sign 20.251+/-0.044 χ^2/NDF: 24304.0/21

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

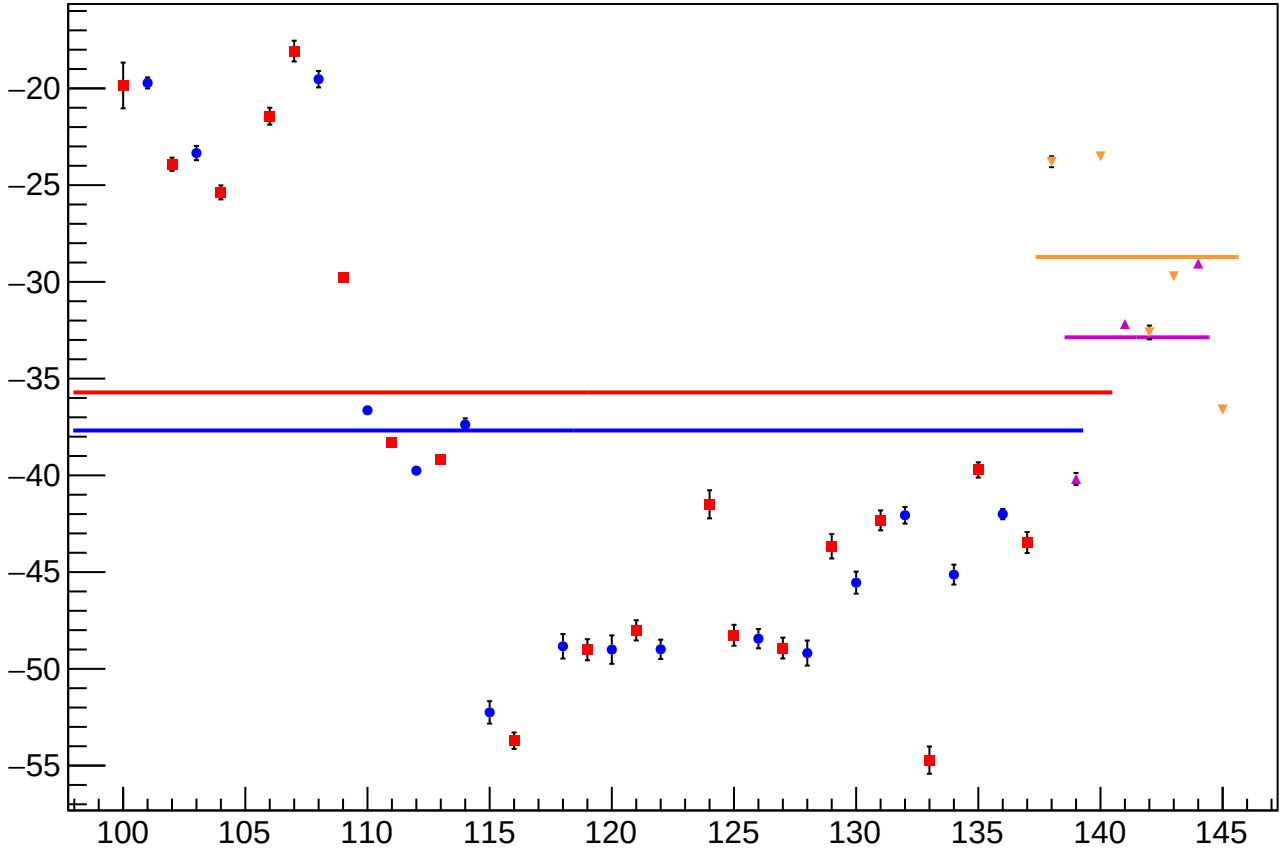
Left In: -36.122+/-0.120 χ^2/NDF:4994.8/2

+ sign -39.010+/-0.058 χ^2/NDF: 12893.7/20

All: -38.650+/-0.042 χ^2/NDF: 28500.0/42

- sign -38.253+/-0.061 χ^2/NDF: 15525.7/21

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

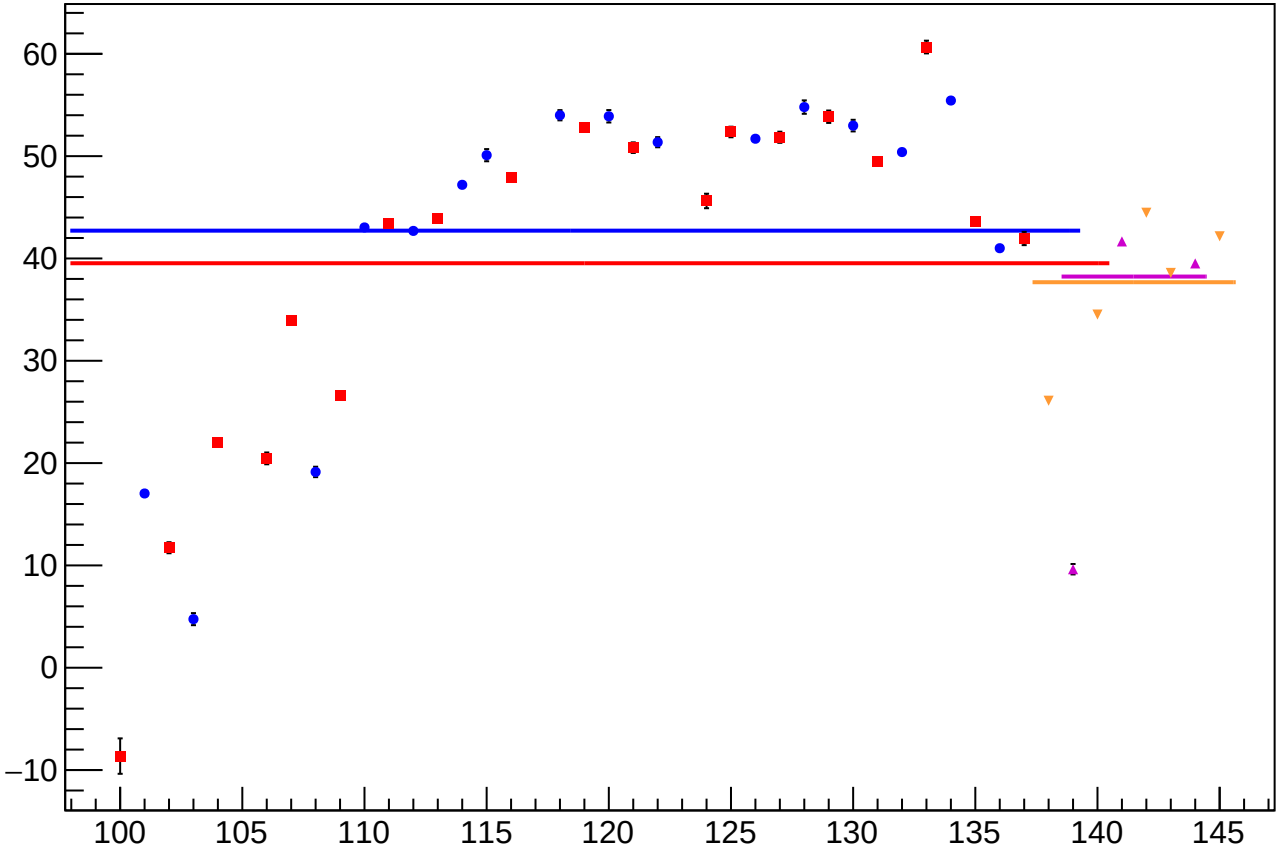
Left In: -32.866+/-0.150 χ^2/NDF:826.1/2

+ sign -35.111+/-0.062 χ^2/NDF: 17042.9/20

All: -35.196+/-0.043 χ^2/NDF: 31450.7/42

- sign -35.272+/-0.059 χ^2/NDF: 14404.3/21

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

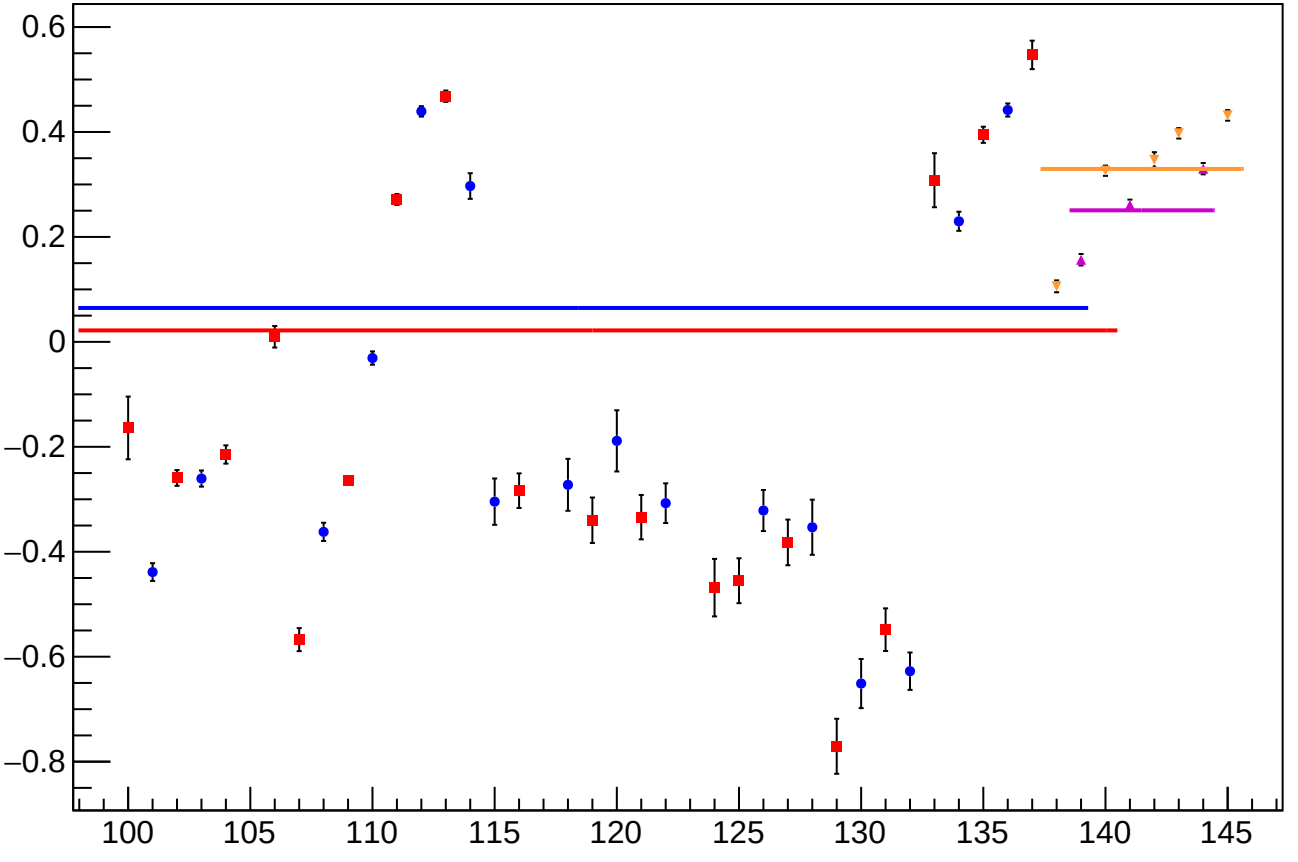
Left In: 38.232+/-0.139 χ^2/NDF:3469.5/2

+ sign 40.725+/-0.066 χ^2/NDF: 18867.0/20

All: 39.997+/-0.047 χ^2/NDF: 40631.2/42

- sign 39.222+/-0.068 χ^2/NDF: 21513.9/21

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

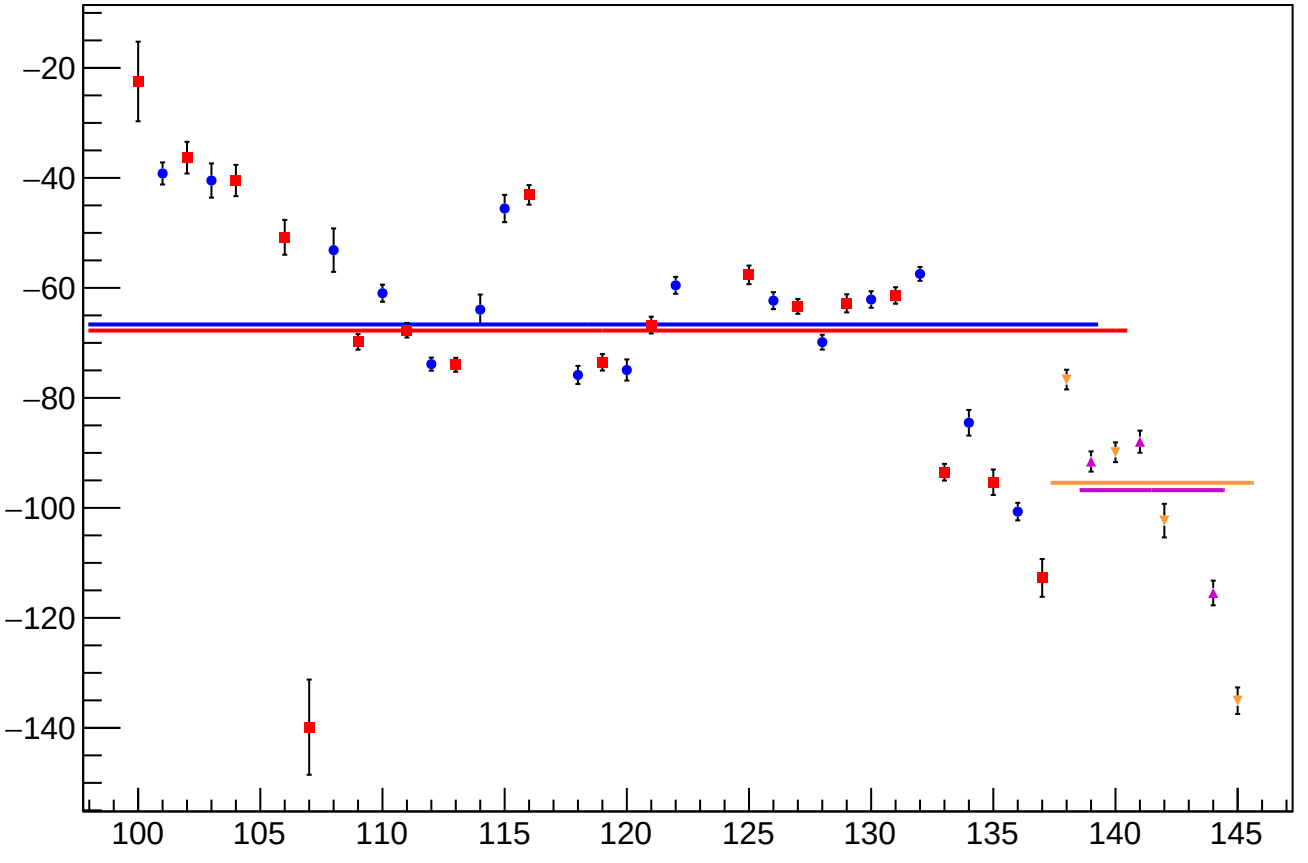
Left In: 0.251+/-0.006 χ^2/NDF:129.7/2

+ sign 0.197+/-0.003 χ^2/NDF: 7534.4/20

All: 0.150+/-0.002 χ^2/NDF: 15385.8/42

- sign 0.100+/-0.004 χ^2/NDF: 7462.0/21

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

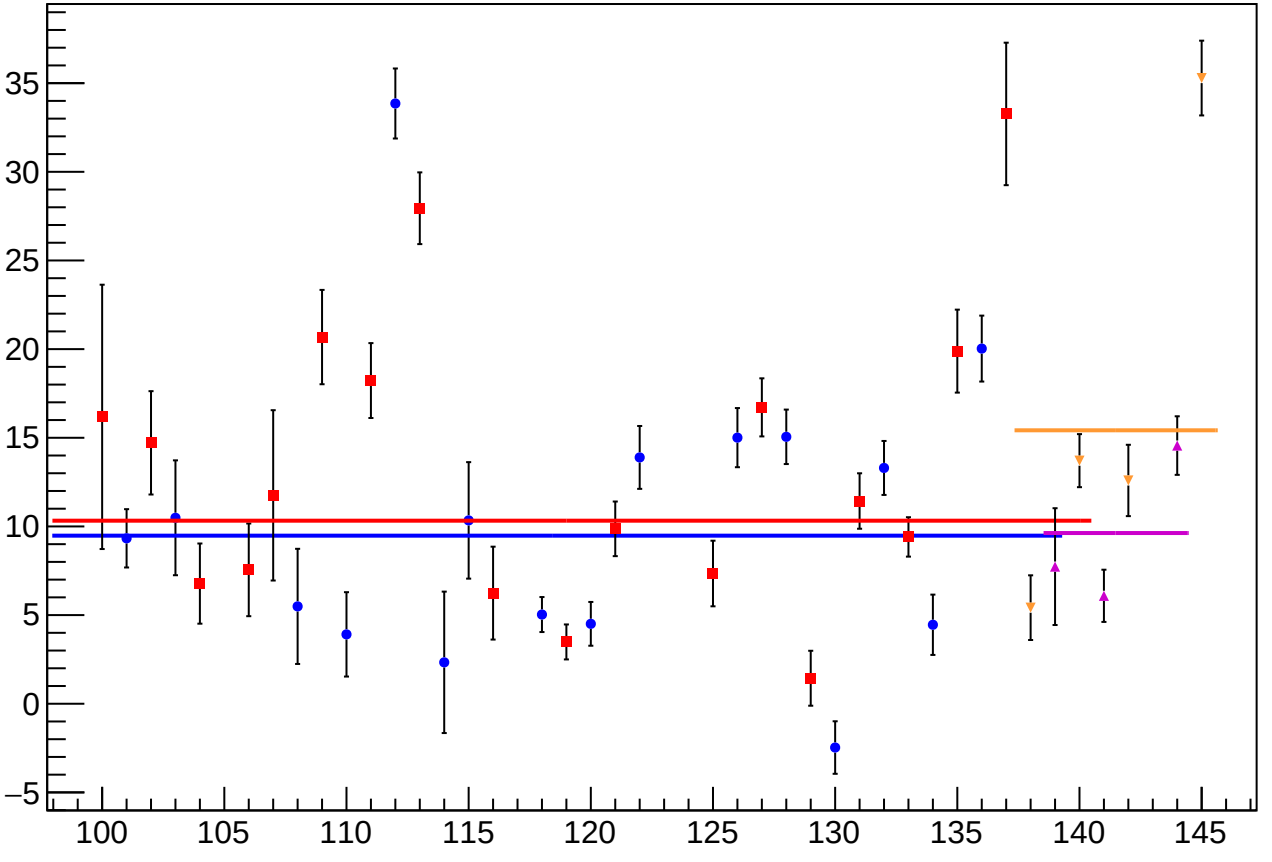
Left In: -96.775+/-1.162 χ^2/NDF:96.7/2

+ sign -70.689+/-0.395 χ^2/NDF: 2087.3/19

All: -70.896+/-0.279 χ^2/NDF: 3992.1/40

- sign -71.103+/-0.395 χ^2/NDF: 1904.3/20

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

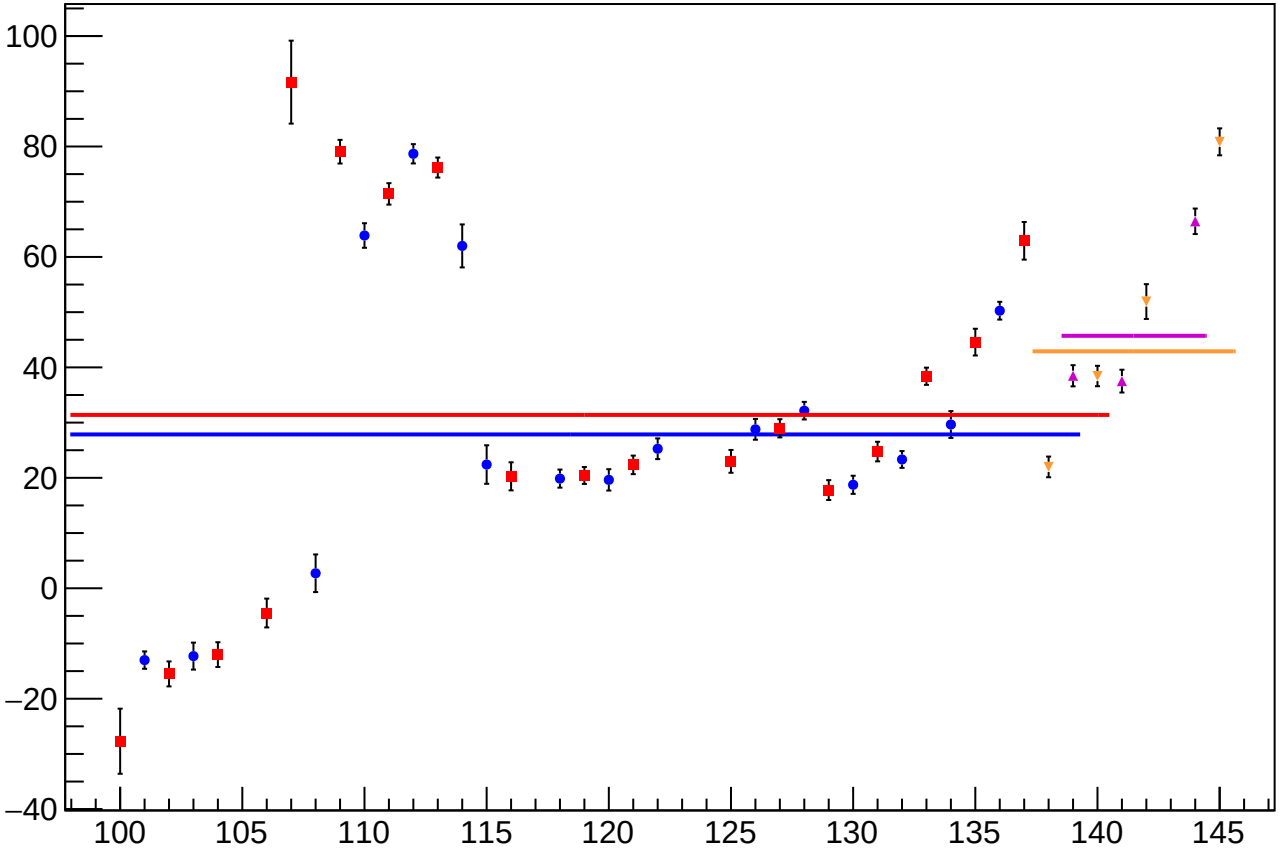
Left In: 9.628+/-1.042 χ^2/NDF:15.0/2

+ sign 10.565+/-0.387 χ^2/NDF: 499.3/19

All: 10.399+/-0.279 χ^2/NDF: 778.5/40

- sign 10.221+/-0.402 χ^2/NDF: 278.8/20

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

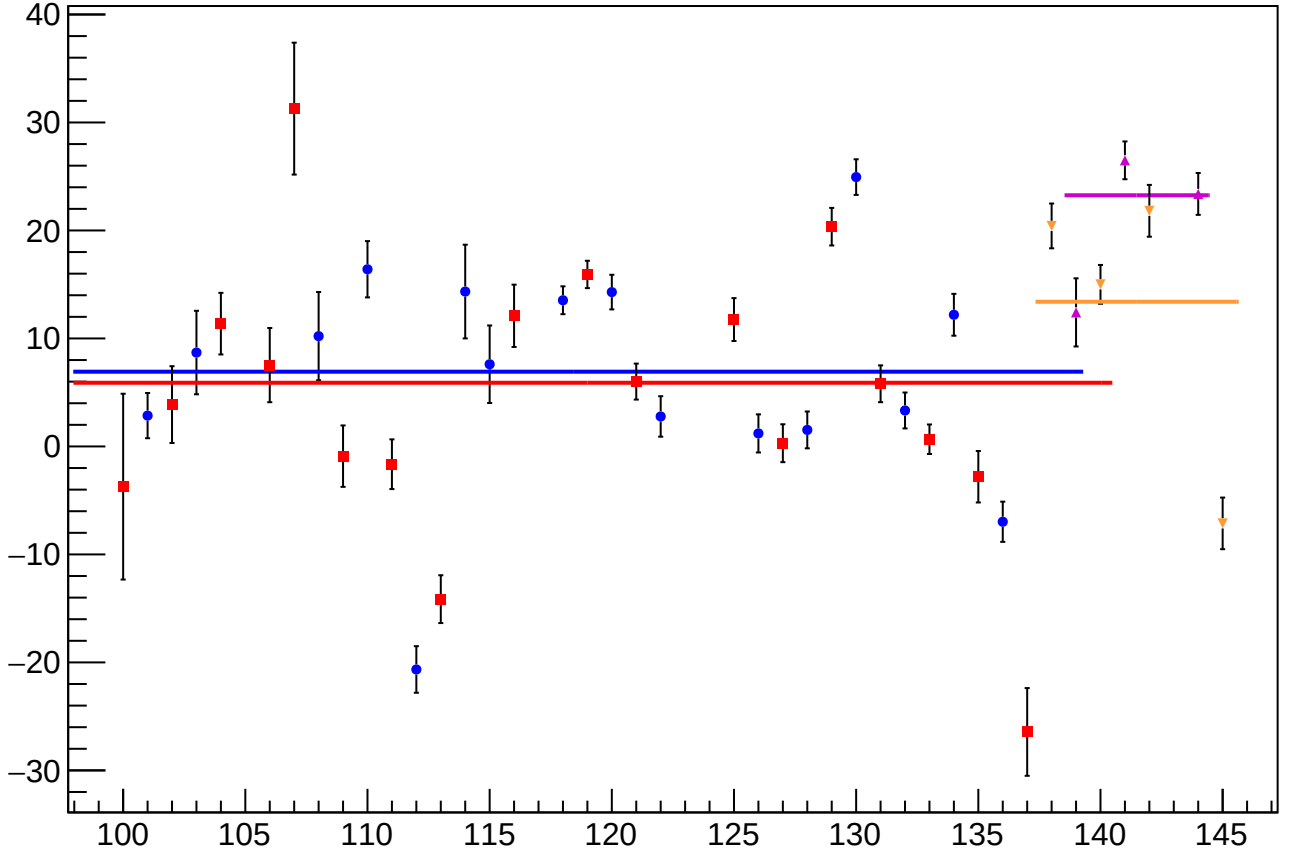
Left In: 45.720+/-1.201 χ^2/NDF:110.7/2

+ sign 30.336+/-0.441 χ^2/NDF: 3014.8/19

All: 31.842+/-0.316 χ^2/NDF: 6283.0/40

- sign 33.422+/-0.452 χ^2/NDF: 3244.3/20

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

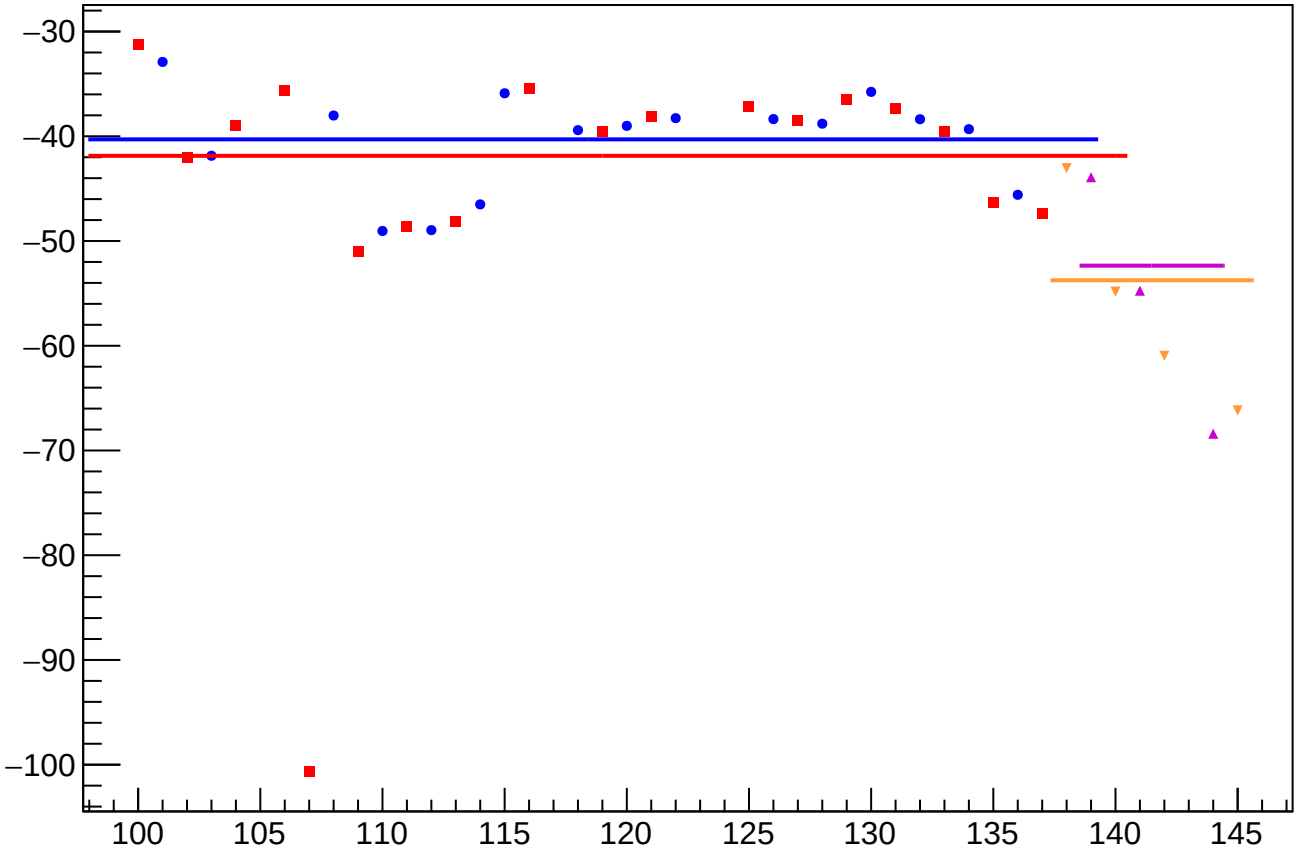
Left In: 23.259+/-1.201 χ^2/NDF:15.2/2

+ sign 8.085+/-0.449 χ^2/NDF: 573.3/19

All: 8.274+/-0.322 χ^2/NDF: 1134.5/40

- sign 8.475+/-0.463 χ^2/NDF: 560.7/20

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

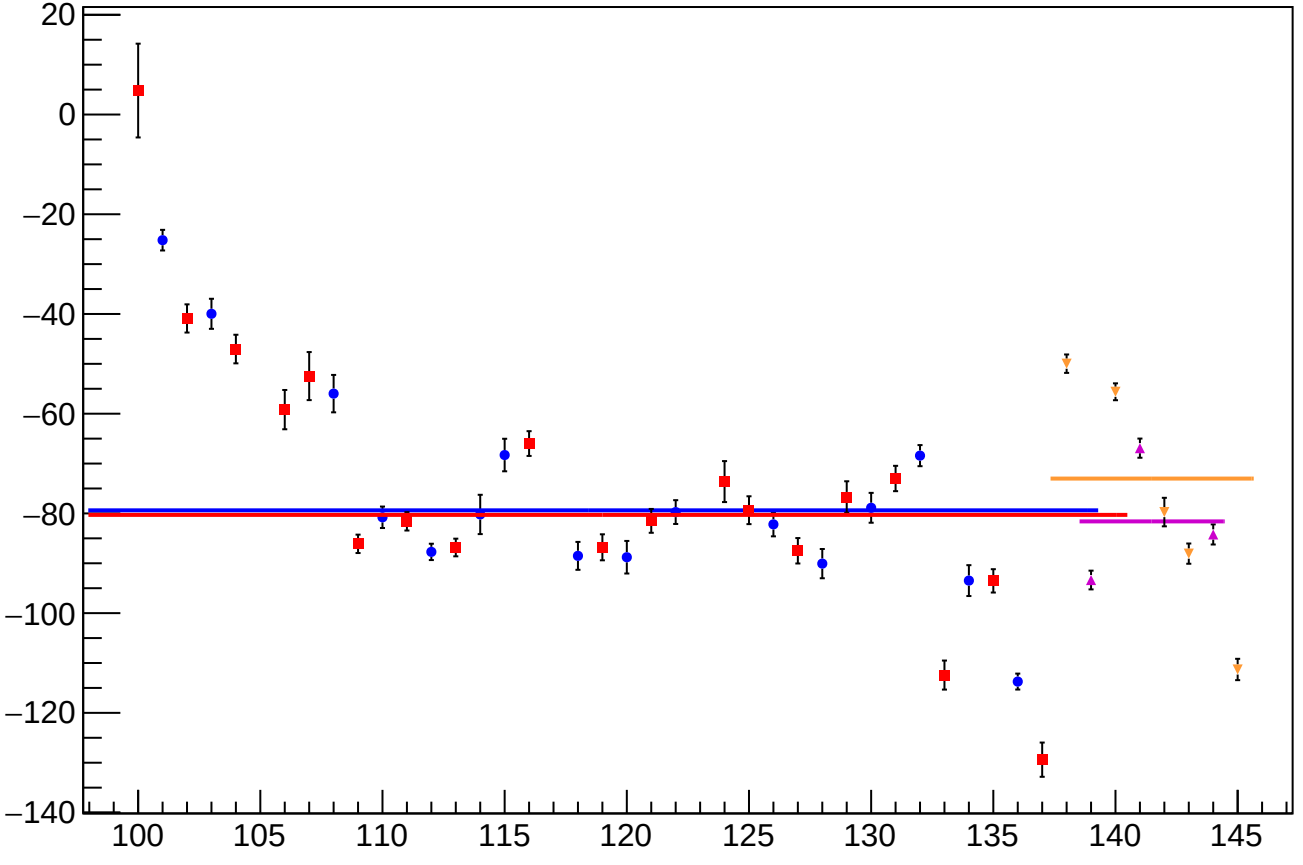
Left In: -52.353+/-0.047 χ^2/NDF:40140.2/2

+ sign -44.709+/-0.026 χ^2/NDF: 121504.0/19

All: -44.939+/-0.018 χ^2/NDF: 254293.8/40

- sign -45.185+/-0.027 χ^2/NDF: 132624.3/20

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

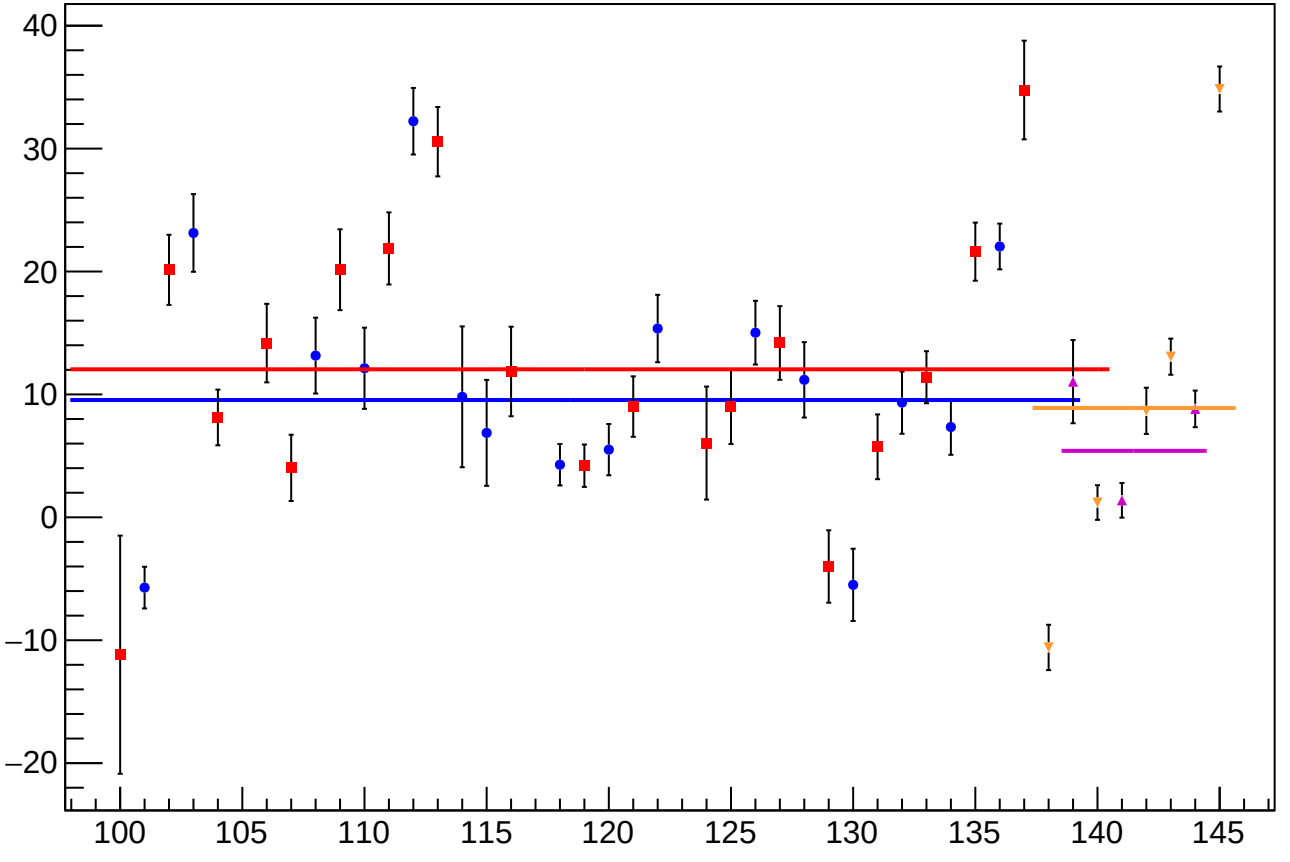
Left In: -81.600+/-1.119 χ^2/NDF:99.2/2

+ sign -77.382+/-0.506 χ^2/NDF: 2152.2/20

All: -78.907+/-0.367 χ^2/NDF: 3186.1/42

- sign -80.589+/-0.532 χ^2/NDF: 1014.9/21

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

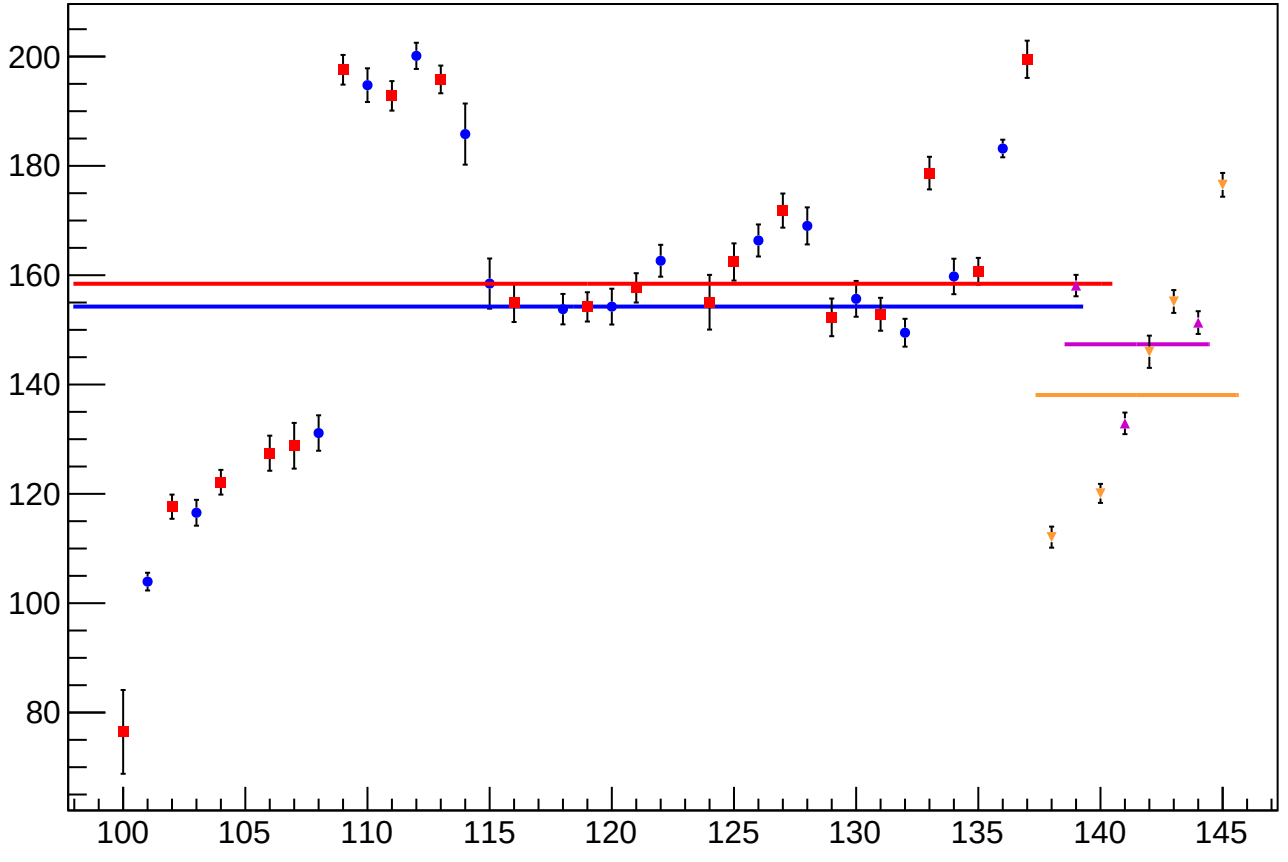
Left In: 5.408+/-0.979 χ^2/NDF:16.2/2

+ sign 9.274+/-0.475 χ^2/NDF: 617.6/20

All: 9.627+/-0.355 χ^2/NDF: 863.2/42

- sign 10.072+/-0.534 χ^2/NDF: 244.3/21

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

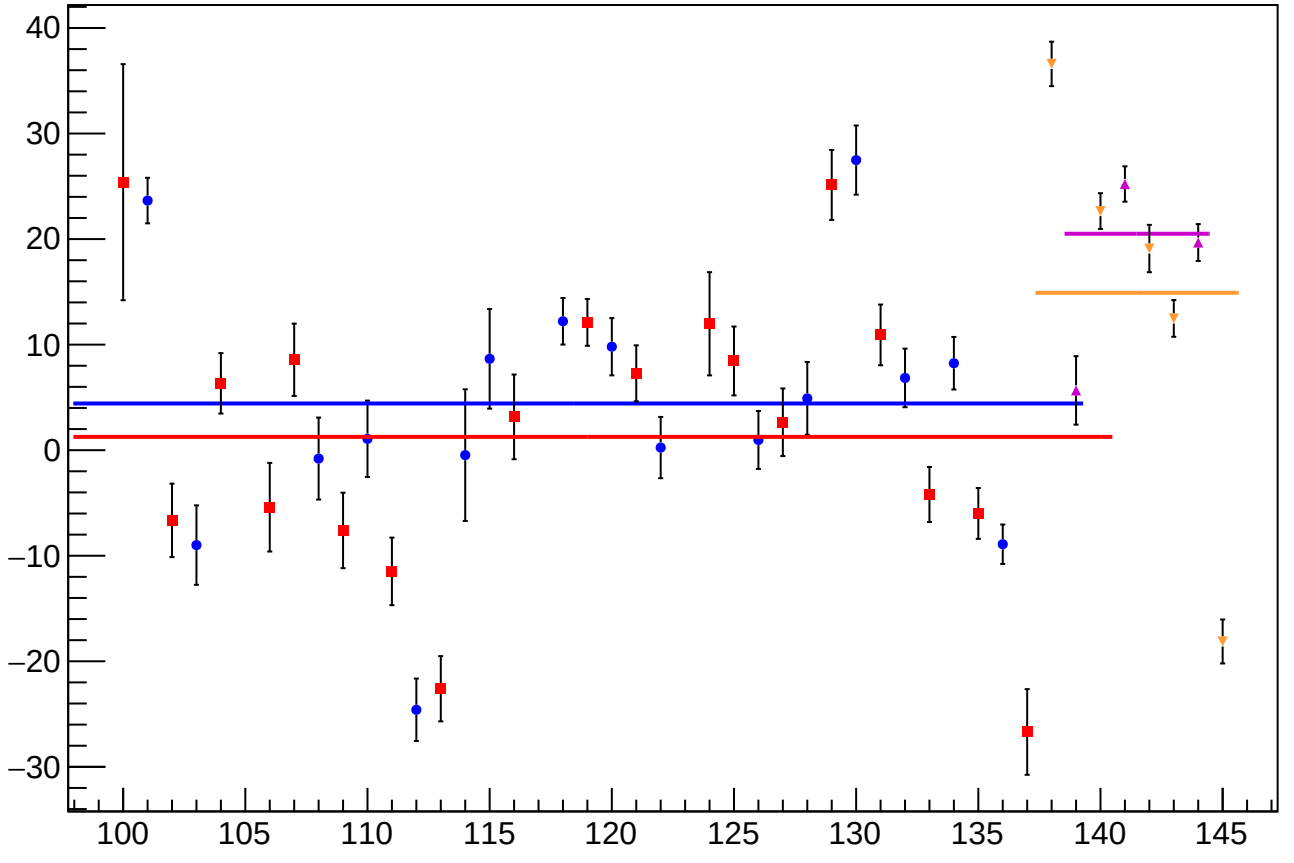
Left In: 147.362+/-1.156 χ^2/NDF:87.5/2

+ sign 148.826+/-0.539 χ^2/NDF: 3089.6/20

All: 151.909+/-0.397 χ^2/NDF: 4980.9/42

- sign 155.571+/-0.588 χ^2/NDF: 1819.8/21

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

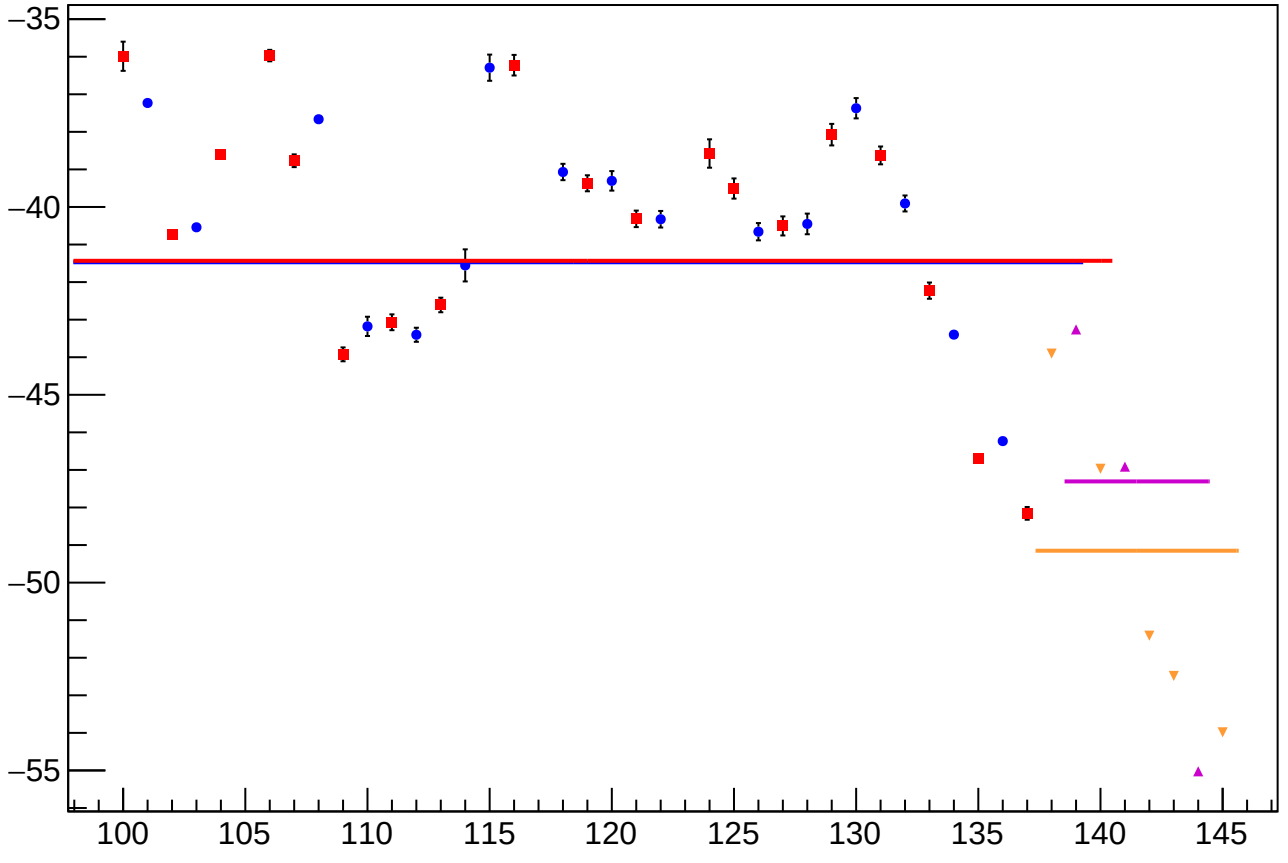
Left In: 20.505+/-1.133 χ^2/NDF:29.1/2

+ sign 8.670+/-0.551 χ^2/NDF: 787.5/20

All: 7.893+/-0.410 χ^2/NDF: 1289.6/42

- sign 6.927+/-0.615 χ^2/NDF: 497.7/21

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

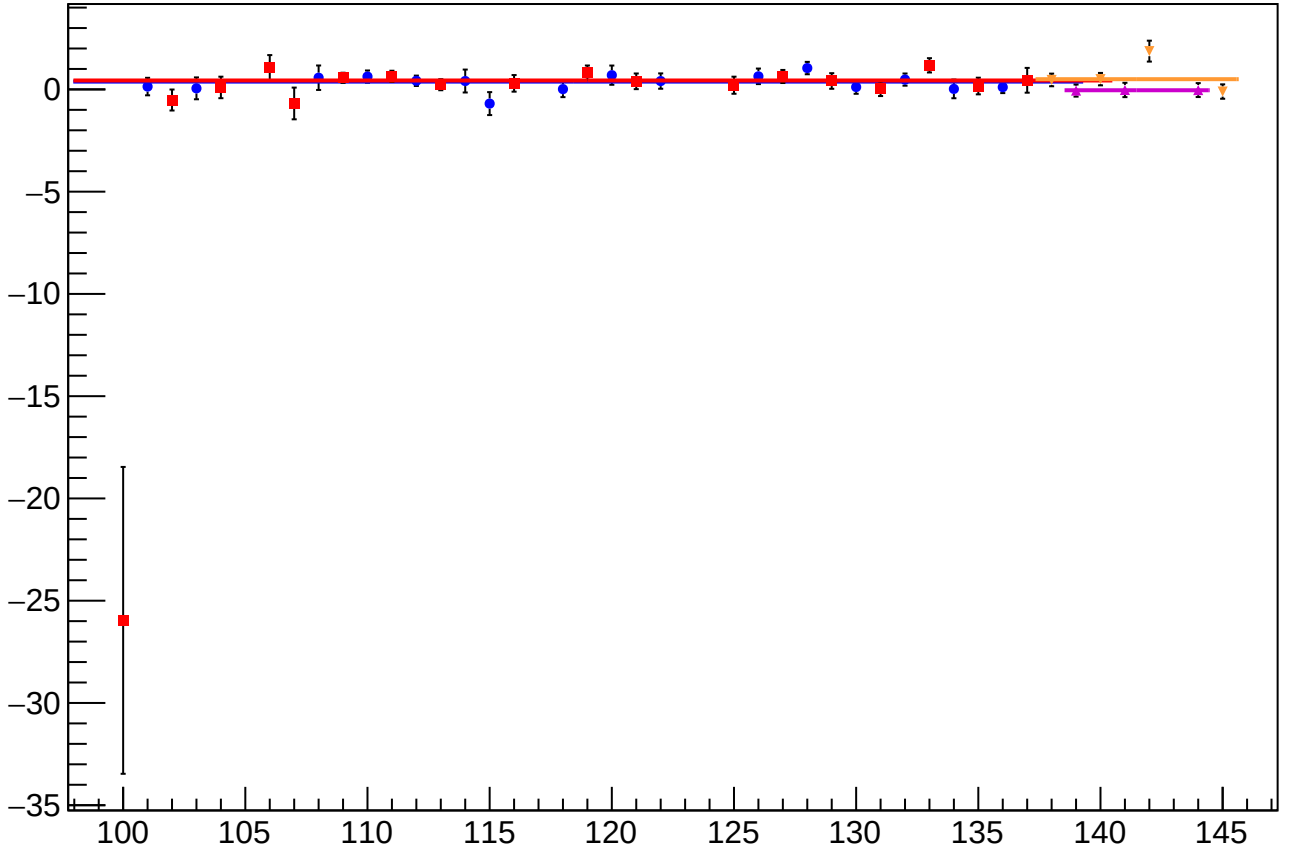
Left In: -47.306+/-0.046 χ^2/NDF:10240.5/2

+ sign -45.261+/-0.027 χ^2/NDF: 38351.3/20

All: -44.661+/-0.020 χ^2/NDF: 67291.7/42

- sign -43.929+/-0.030 χ^2/NDF: 27854.1/21

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

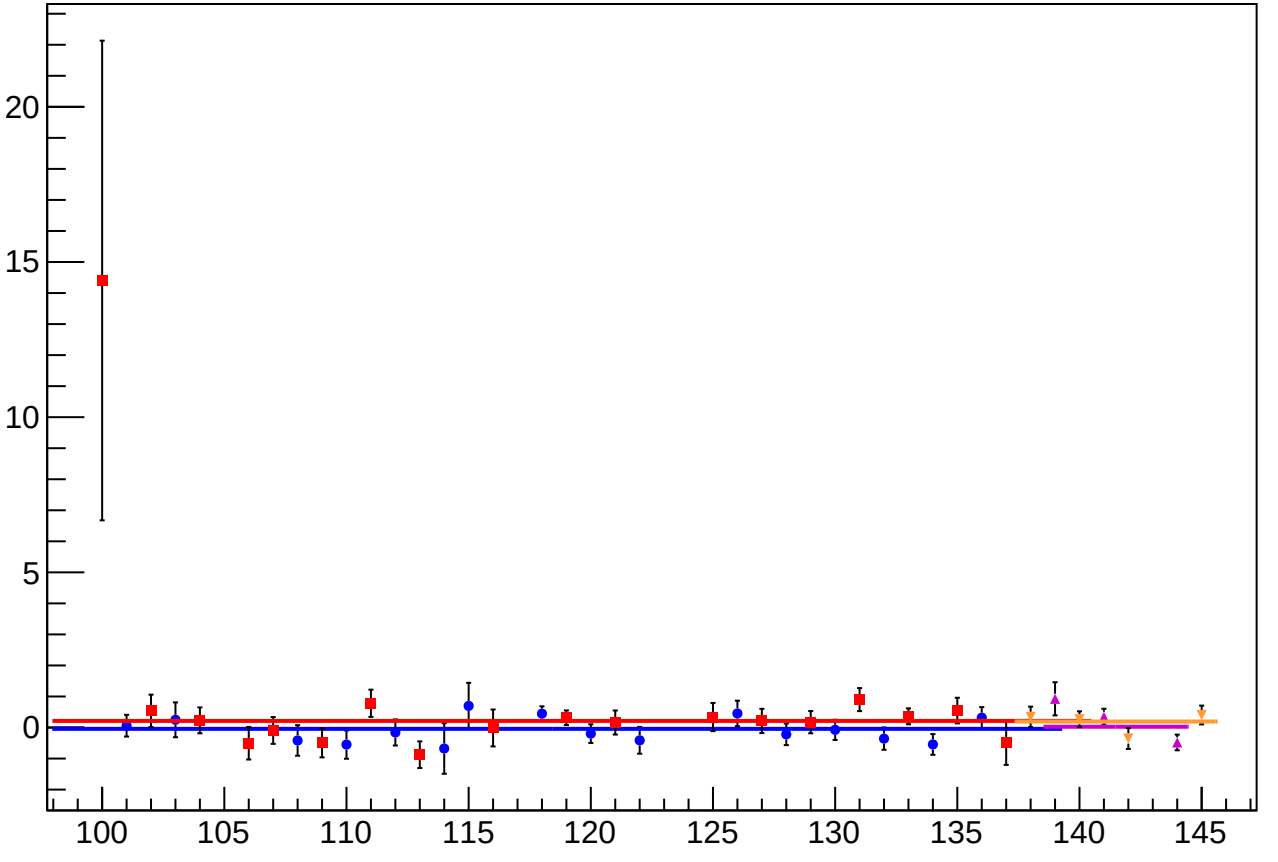
Left In: -0.041+/-0.188 χ^2/NDF:0.0/2

+ sign 0.408+/-0.081 χ^2/NDF: 24.5/19

All: 0.378+/-0.057 χ^2/NDF: 59.0/40

- sign 0.347+/-0.081 χ^2/NDF: 34.2/20

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

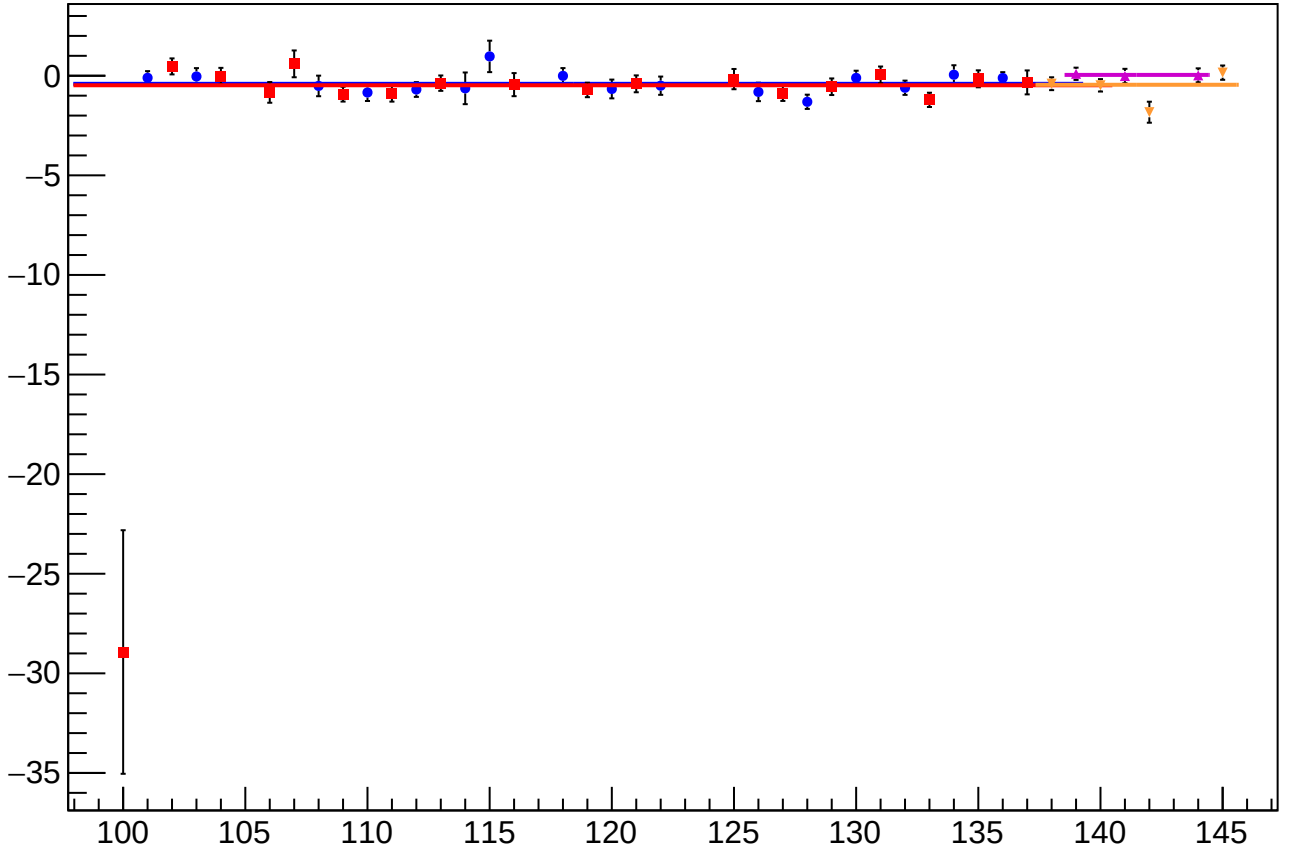
Left In: 0.025+/-0.171 χ^2/NDF:8.4/2

+ sign 0.024+/-0.080 χ^2/NDF: 20.2/19

All: 0.093+/-0.058 χ^2/NDF: 53.5/40

- sign 0.169+/-0.083 χ^2/NDF: 31.7/20

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

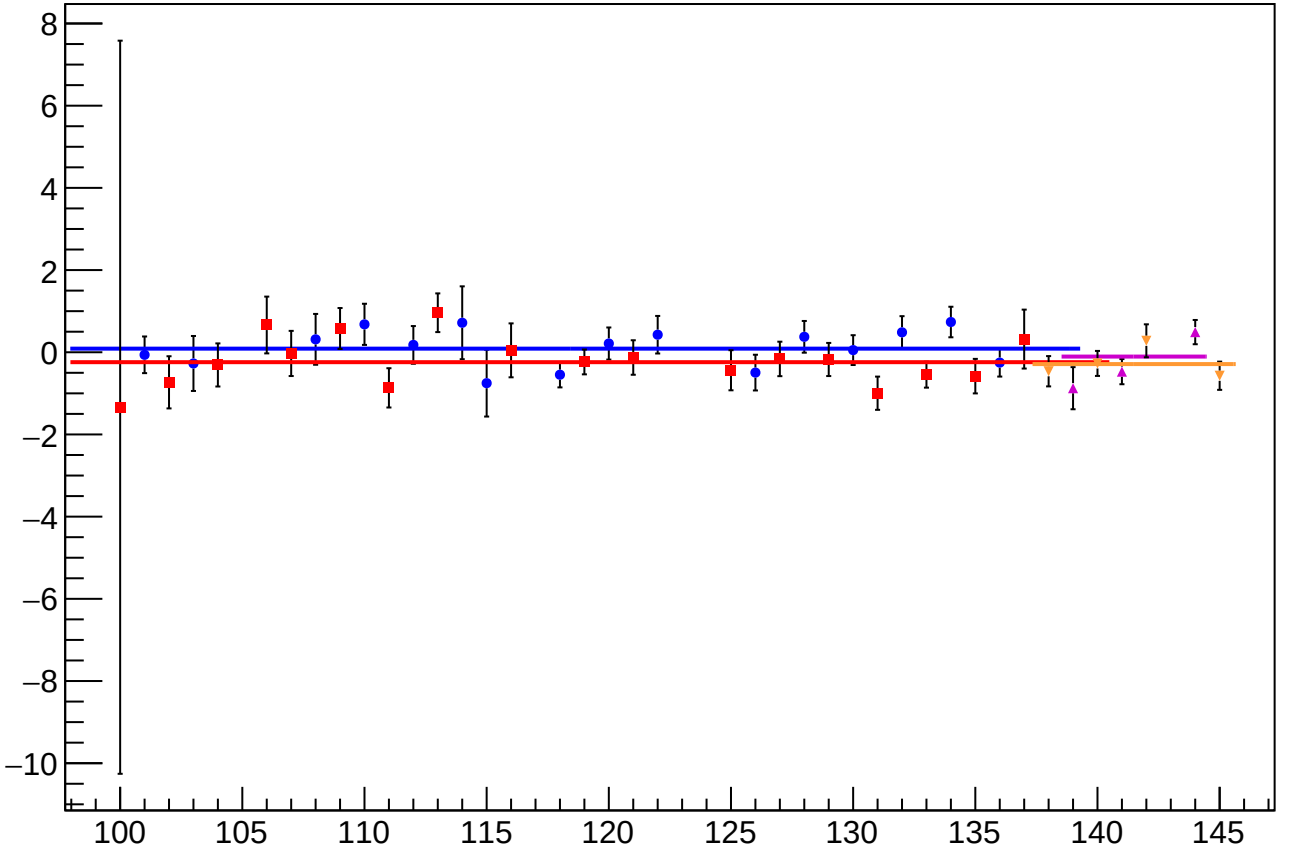
Left In: 0.042+/-0.195 χ^2/NDF:0.1/2

+ sign -0.418+/-0.089 χ^2/NDF: 27.6/19

All: -0.391+/-0.064 χ^2/NDF: 75.6/40

- sign -0.362+/-0.092 χ^2/NDF: 47.9/20

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

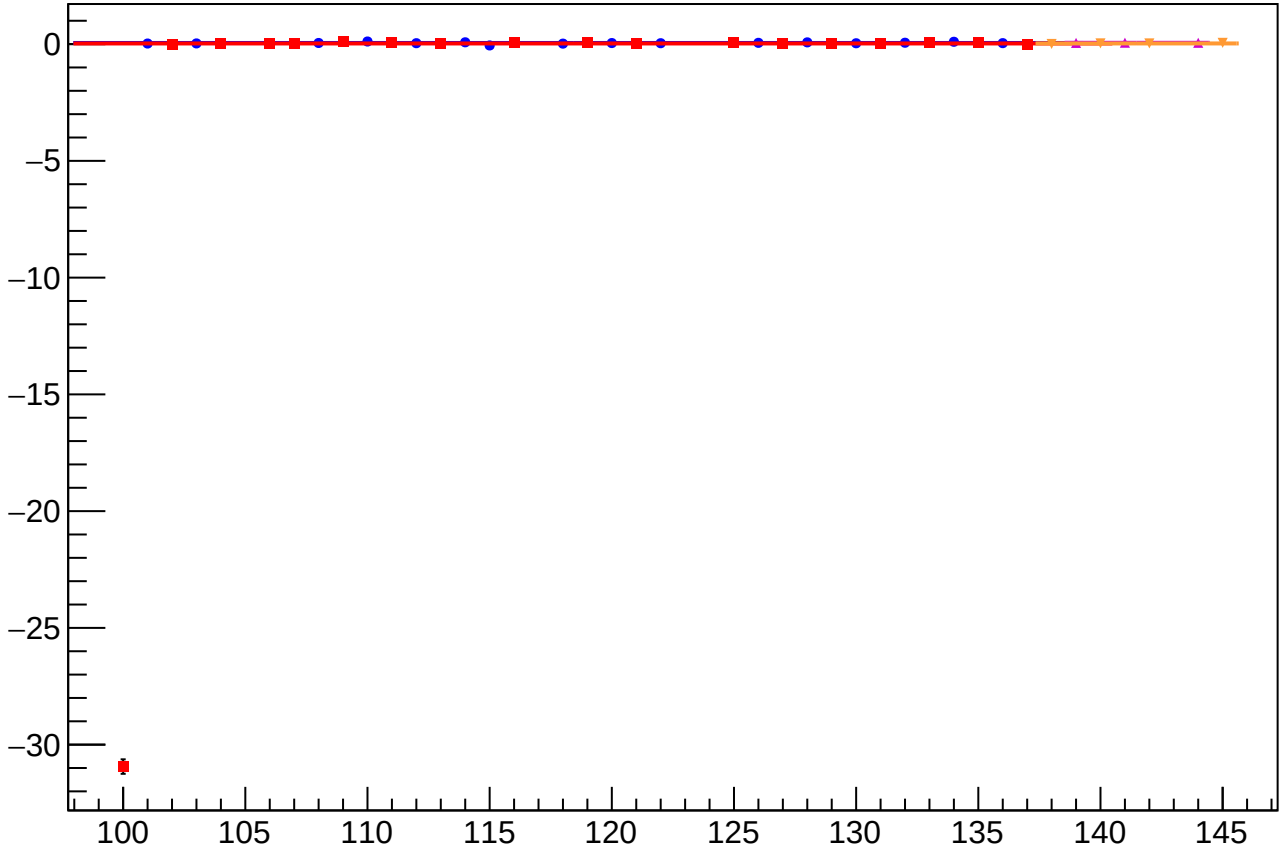
Left In: -0.105+/-0.196 χ^2/NDF:7.8/2

+ sign -0.017+/-0.092 χ^2/NDF: 22.1/19

All: -0.109+/-0.066 χ^2/NDF: 51.9/40

- sign -0.209+/-0.096 χ^2/NDF: 27.7/20

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

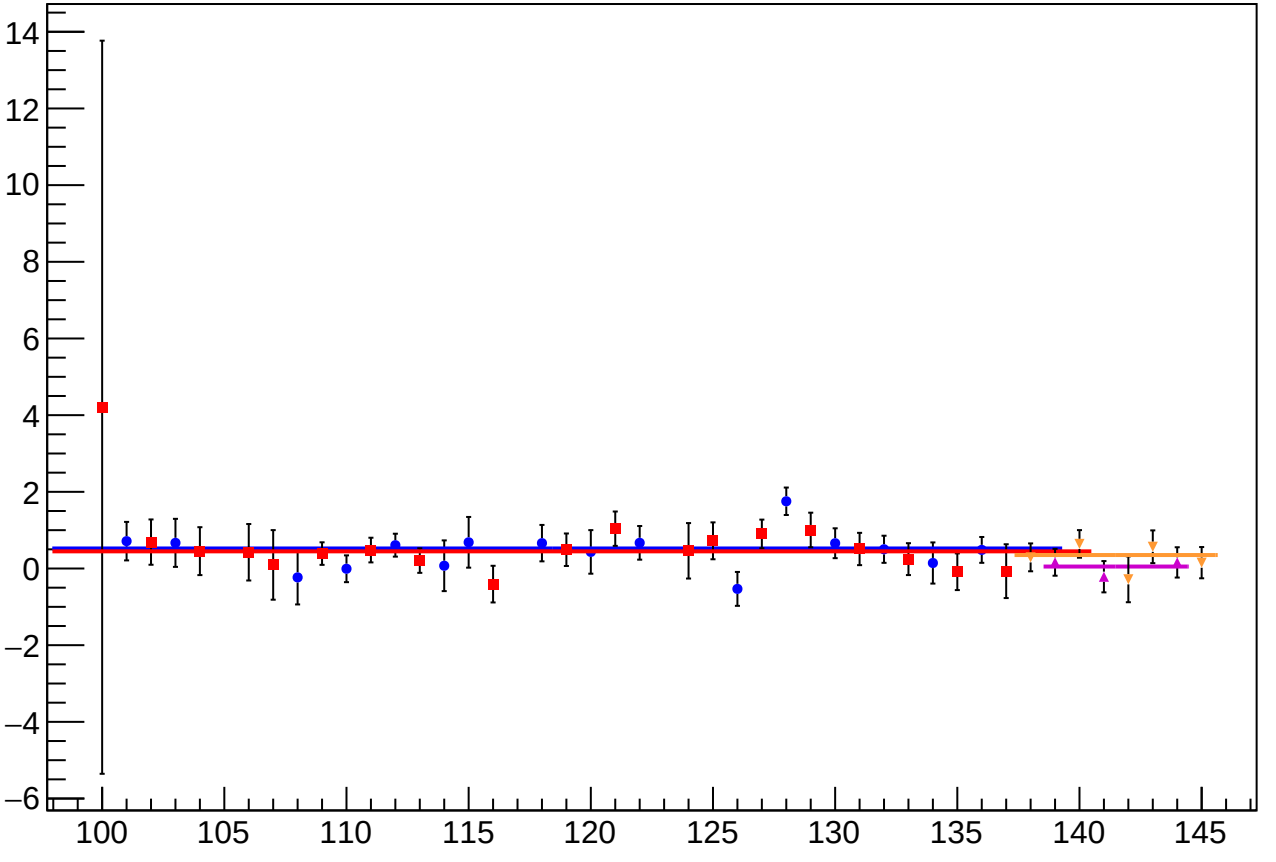
Left In: 0.056+/-0.008 χ^2/NDF:0.2/2

+ sign 0.040+/-0.005 χ^2/NDF: 29.7/19

All: 0.040+/-0.003 χ^2/NDF: 10058.7/40

- sign 0.039+/-0.005 χ^2/NDF: 10029.0/20

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

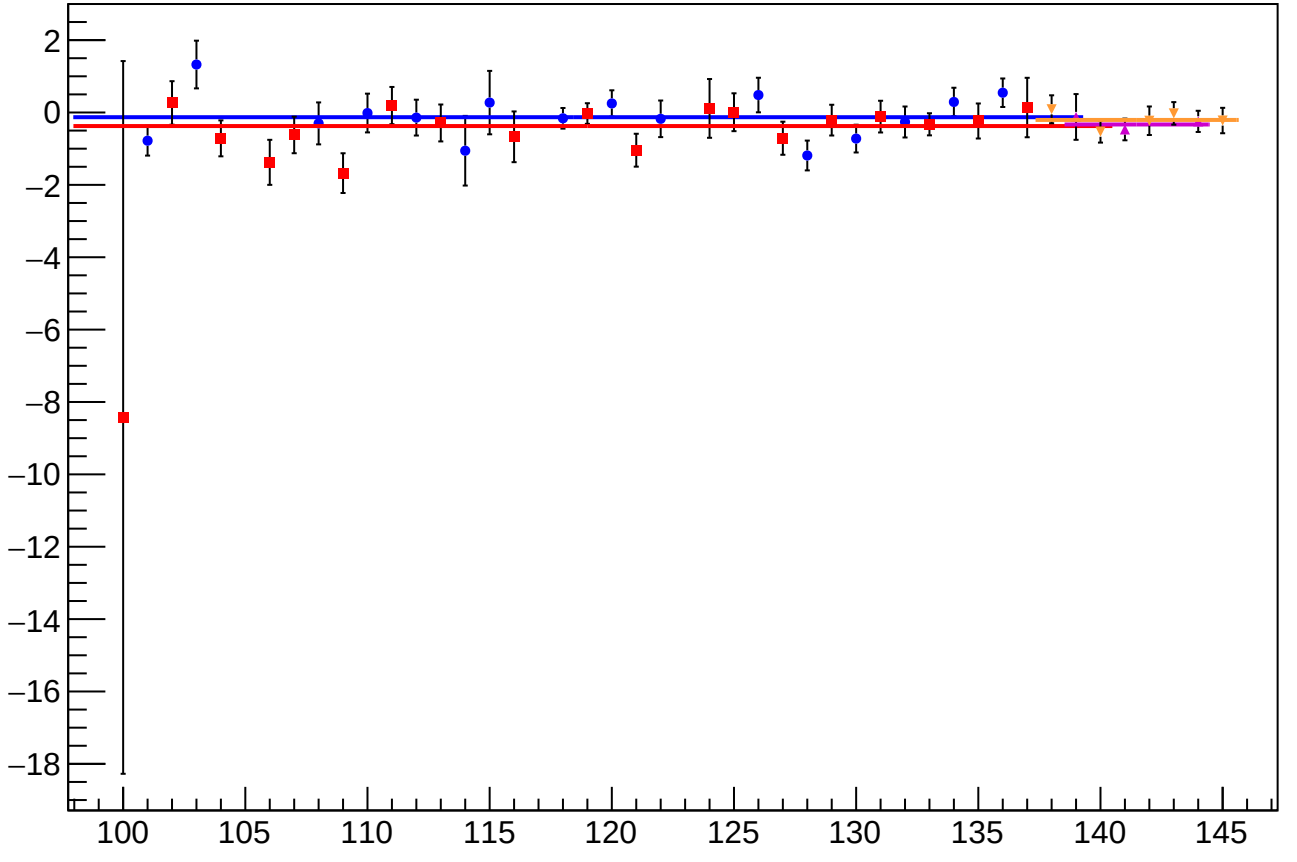
Left In: 0.051+/-0.220 χ^2/NDF:0.6/2

+ sign 0.478+/-0.093 χ^2/NDF: 25.5/20

All: 0.427+/-0.067 χ^2/NDF: 40.8/42

- sign 0.374+/-0.095 χ^2/NDF: 14.6/21

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

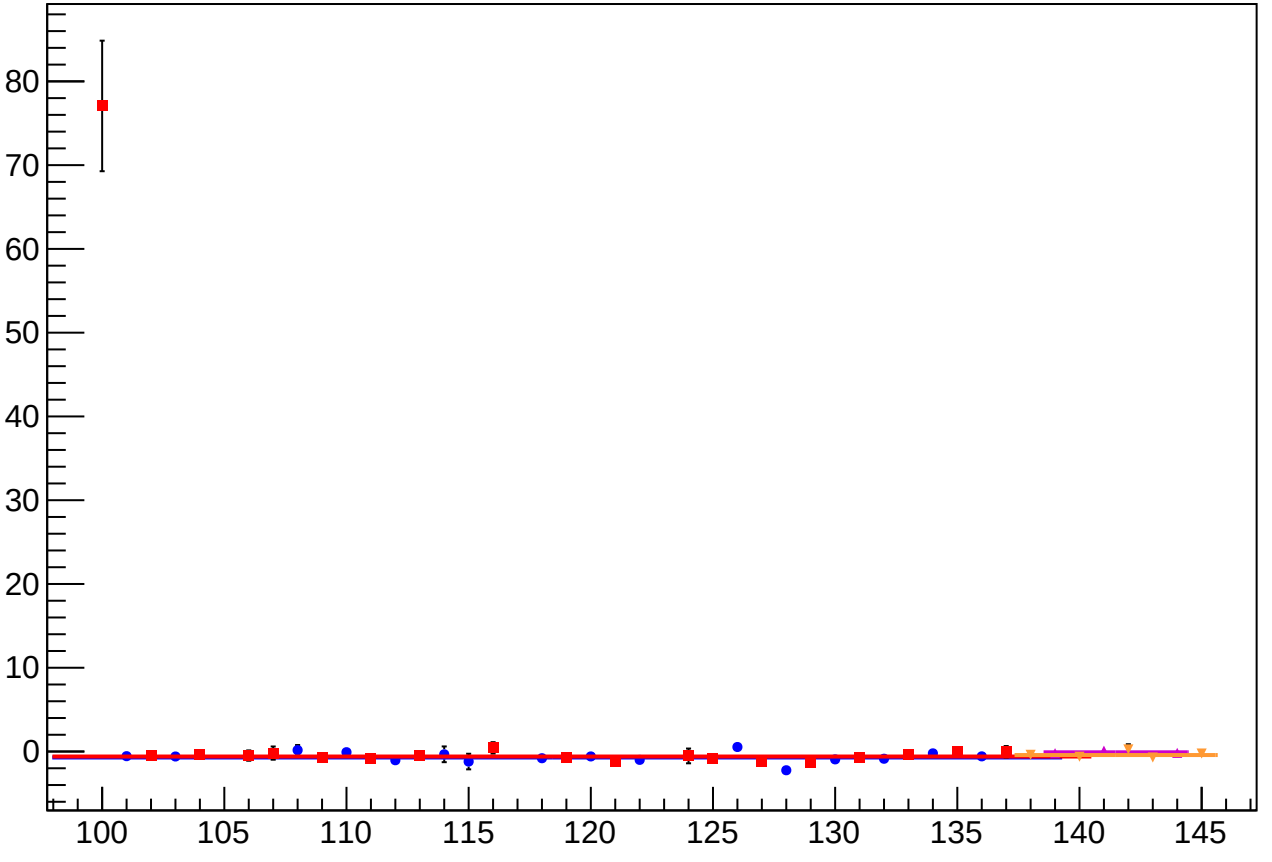
Left In: -0.331+/-0.199 χ^2/NDF:0.4/2

+ sign -0.156+/-0.090 χ^2/NDF: 26.8/20

All: -0.253+/-0.066 χ^2/NDF: 47.9/42

- sign -0.364+/-0.097 χ^2/NDF: 18.6/21

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

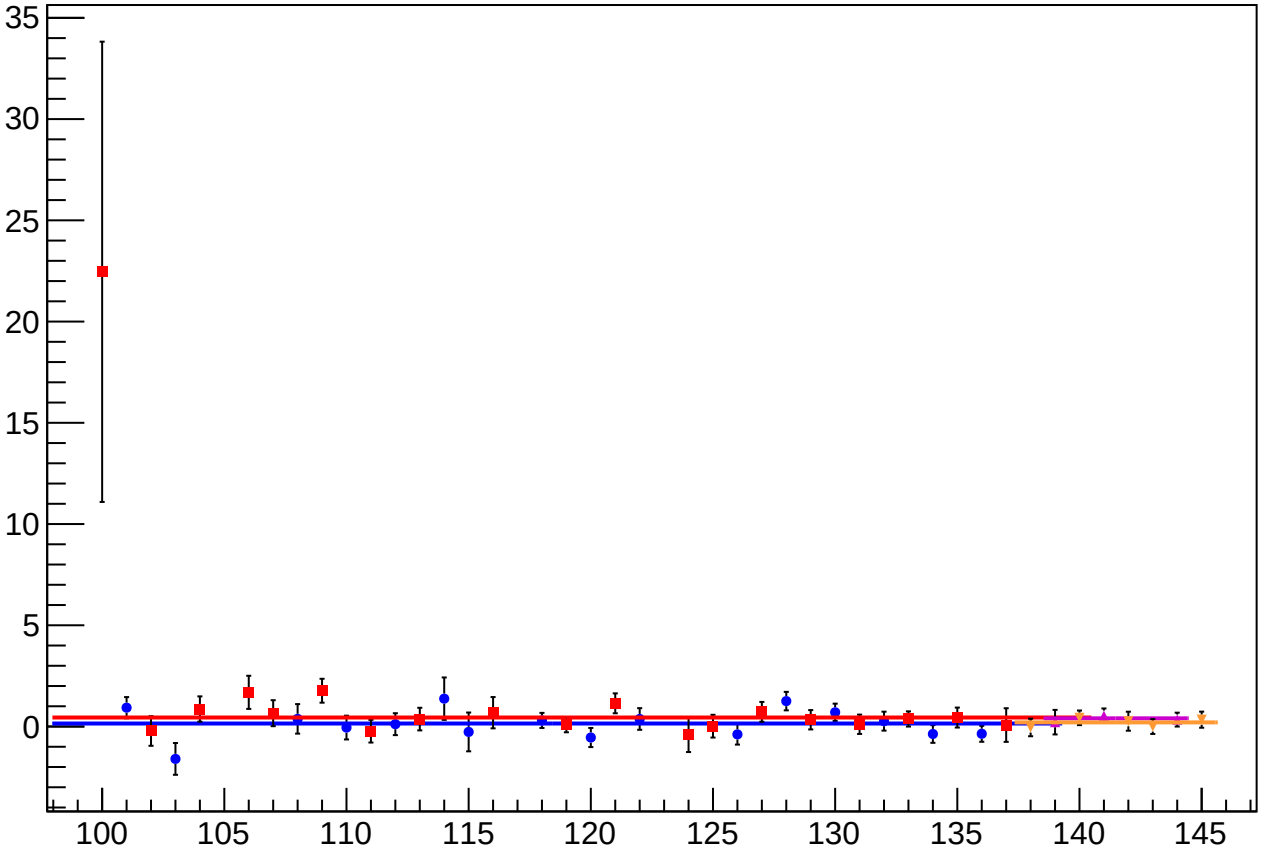
Left In: -0.094+/-0.228 χ^2/NDF:0.3/2

+ sign -0.628+/-0.102 χ^2/NDF: 28.7/20

All: -0.560+/-0.074 χ^2/NDF: 144.7/42

- sign -0.486+/-0.107 χ^2/NDF: 115.1/21

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

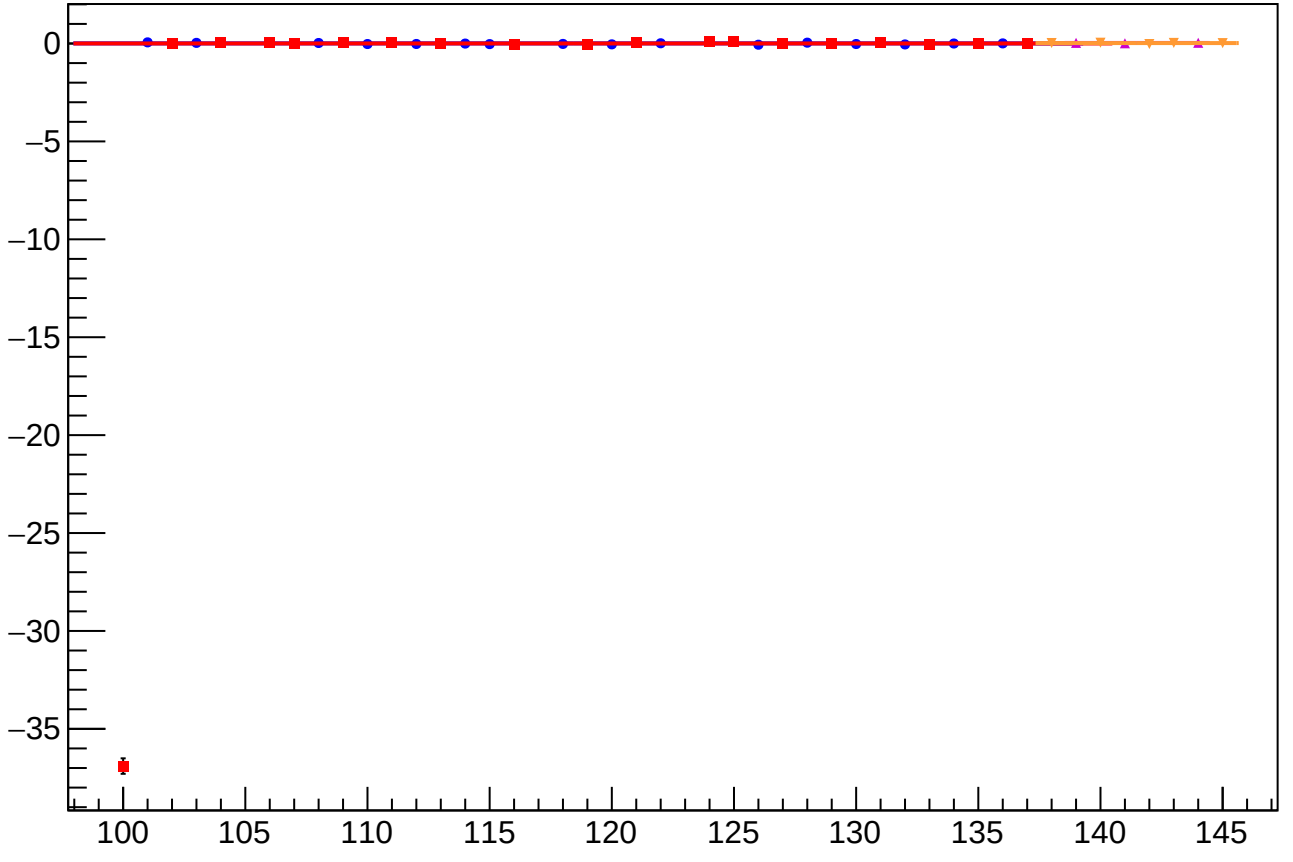
Left In: 0.404+/-0.228 χ^2/NDF:0.3/2

\+ sign 0.167+/-0.104 χ^2/NDF: 24.5/20

All: 0.291+/-0.076 χ^2/NDF: 47.6/42

\- sign 0.435+/-0.112 χ^2/NDF: 20.0/21

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

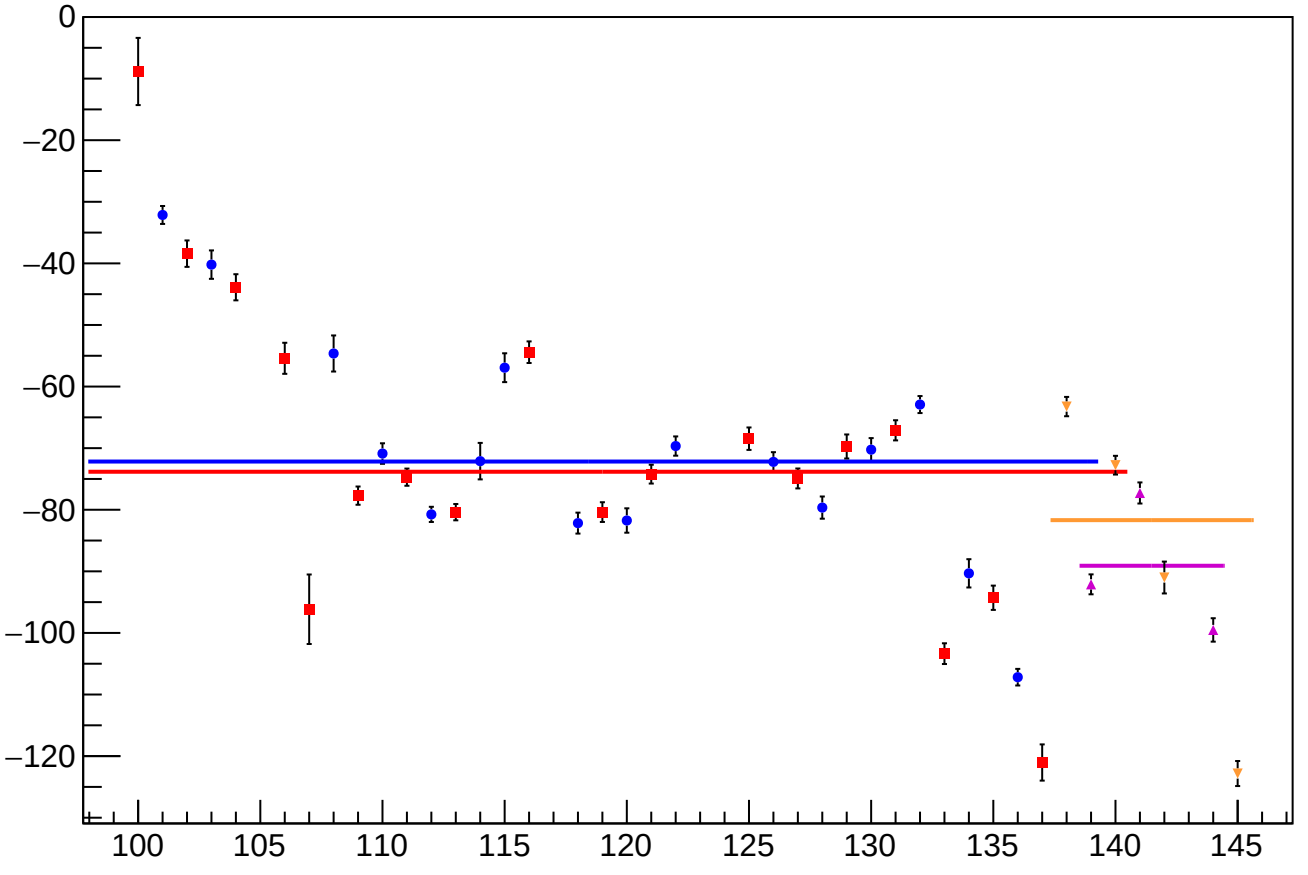
Left In: 0.028+/-0.009 χ^2/NDF:1.3/2

+ sign 0.014+/-0.005 χ^2/NDF: 25.0/20

All: 0.013+/-0.004 χ^2/NDF: 8784.7/42

- sign 0.013+/-0.006 χ^2/NDF: 8759.6/21

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

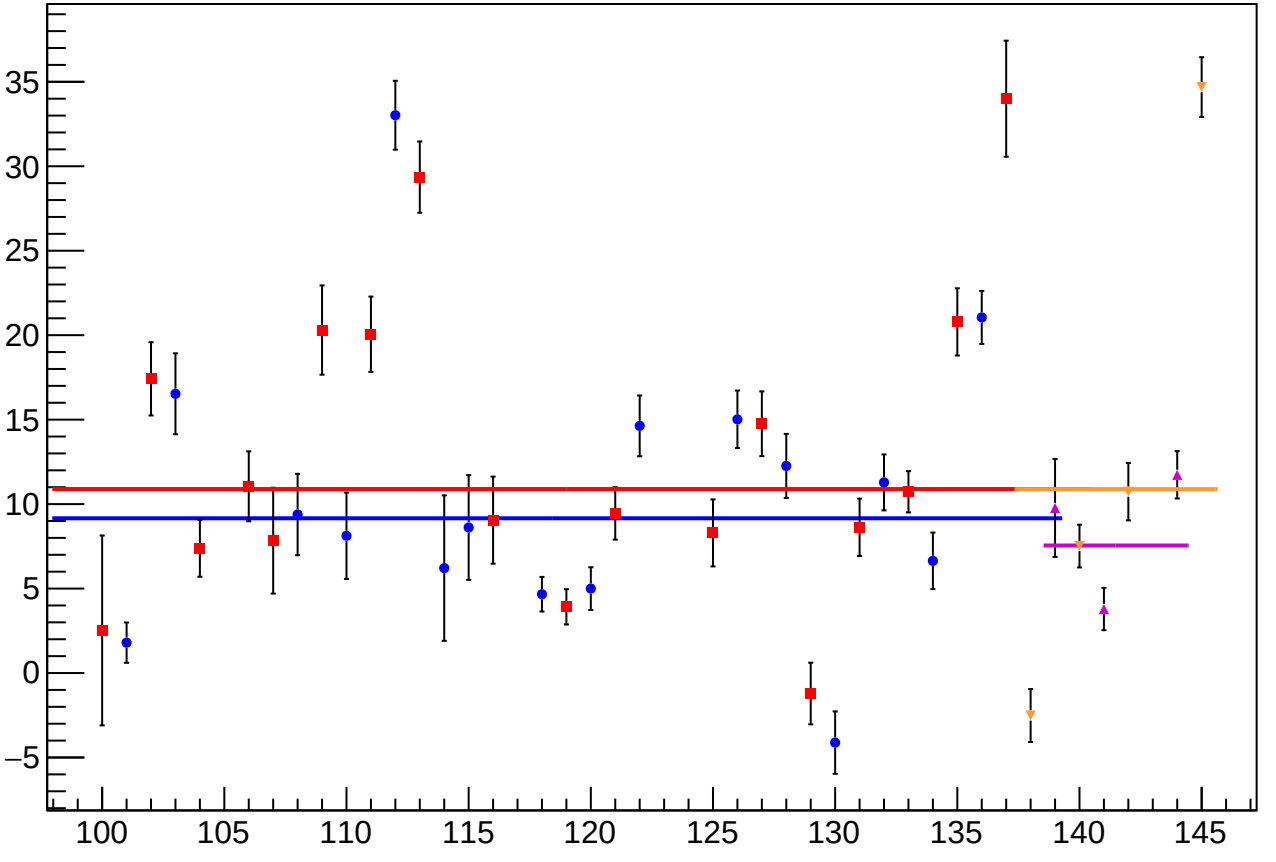
Left In: -89.094+/-1.000 χ^2/NDF:81.1/2

+ sign -73.950+/-0.390 χ^2/NDF: 2621.9/19

All: -75.066+/-0.278 χ^2/NDF: 4473.8/40

- sign -76.217+/-0.395 χ^2/NDF: 1835.3/20

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

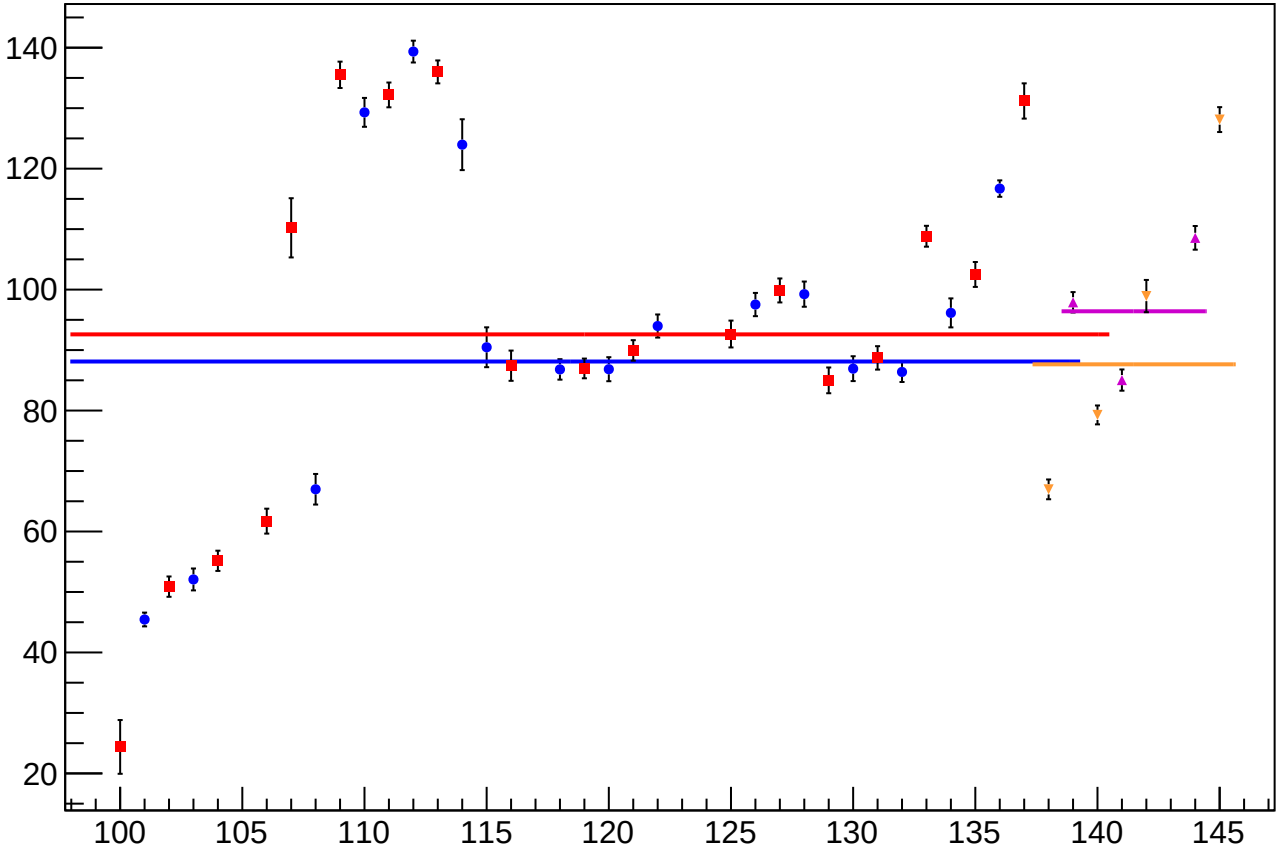
Left In: 7.549+/-0.888 χ^2/NDF:18.5/2

+ sign 9.566+/-0.372 χ^2/NDF: 617.5/19

All: 9.880+/-0.271 χ^2/NDF: 939.2/40

- sign 10.233+/-0.394 χ^2/NDF: 320.1/20

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

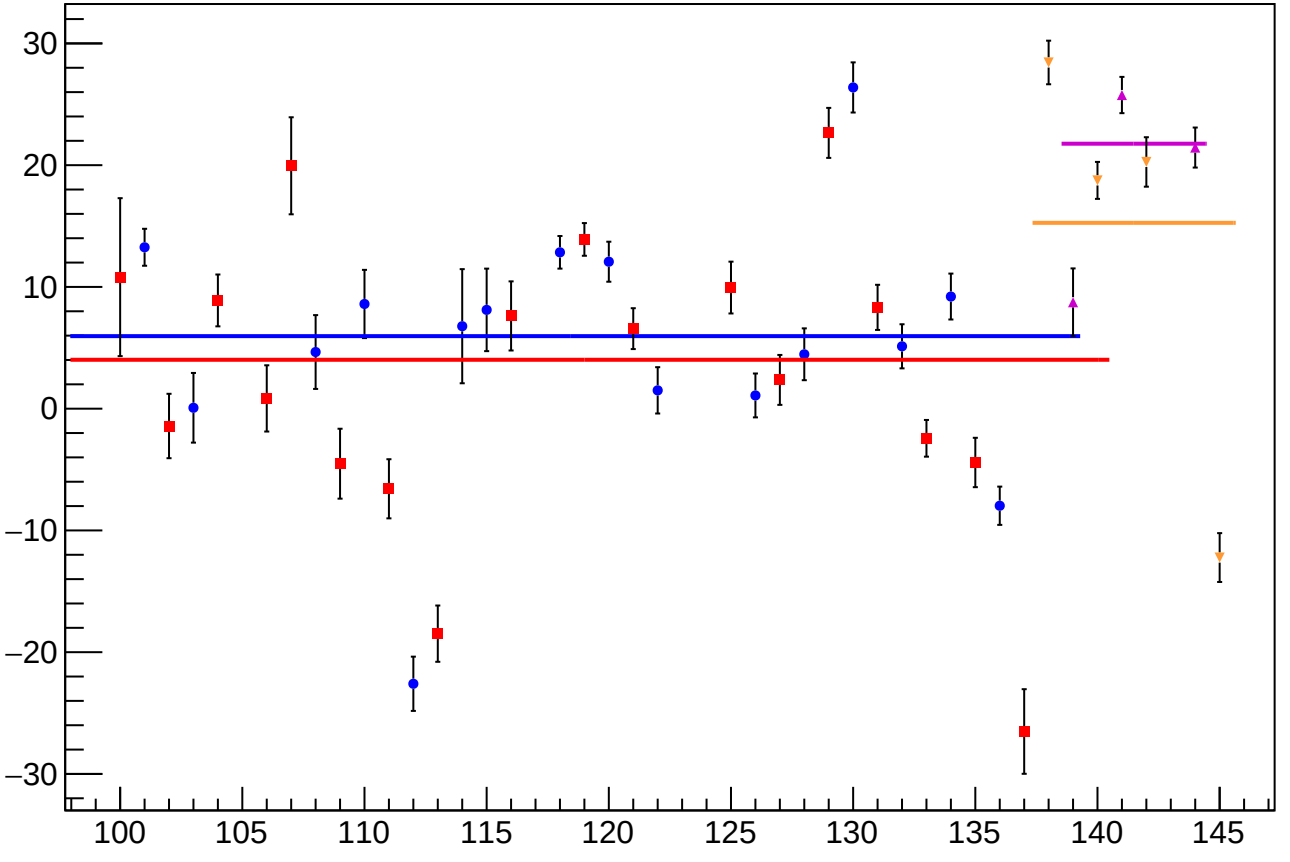
Left In: 96.414+/-1.034 χ^2/NDF:81.2/2

+ sign 88.015+/-0.418 χ^2/NDF: 4154.4/19

All: 90.529+/-0.302 χ^2/NDF: 7533.5/40

- sign 93.281+/-0.438 χ^2/NDF: 3303.4/20

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

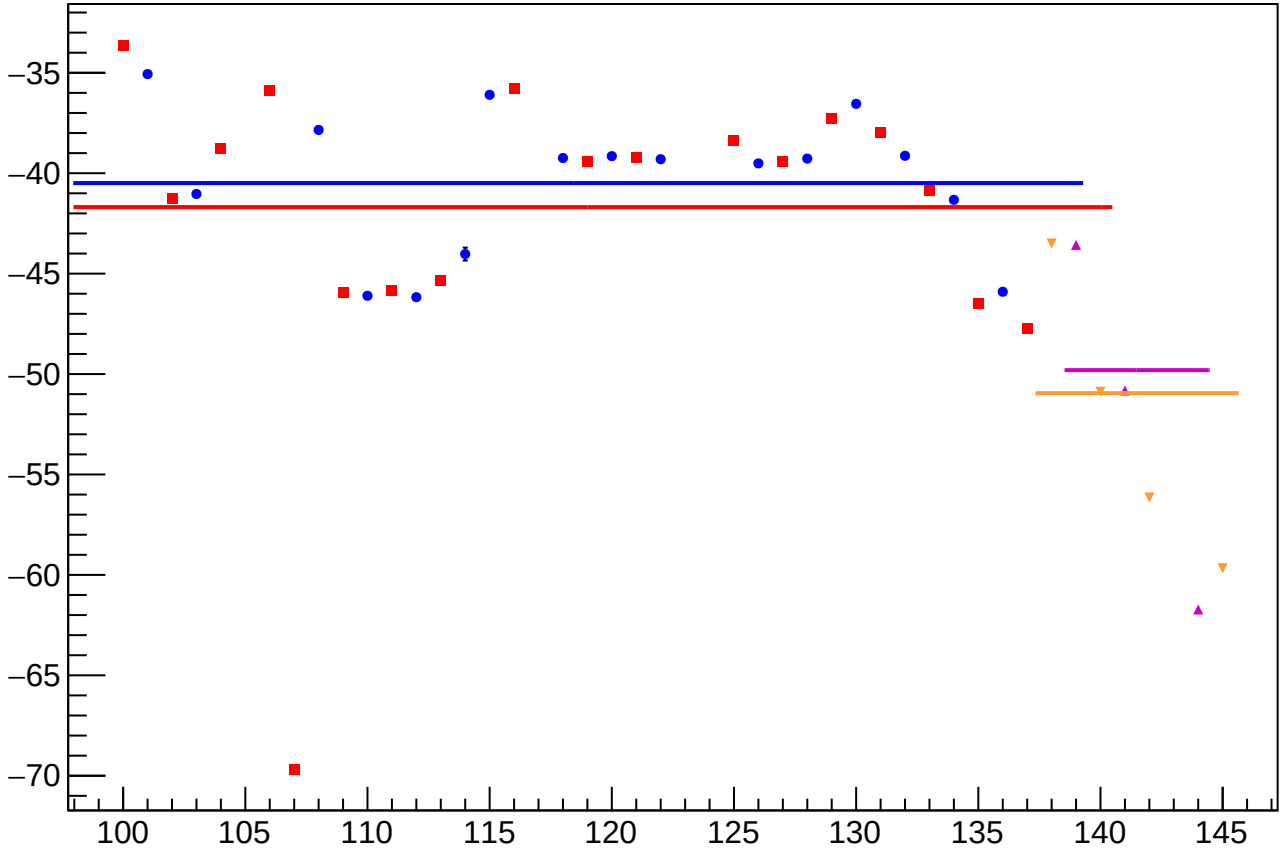
Left In: 21.764+/-1.026 χ^2/NDF:29.2/2

+ sign 8.119+/-0.433 χ^2/NDF: 762.2/19

All: 7.840+/-0.314 χ^2/NDF: 1450.0/40

- sign 7.530+/-0.456 χ^2/NDF: 687.0/20

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

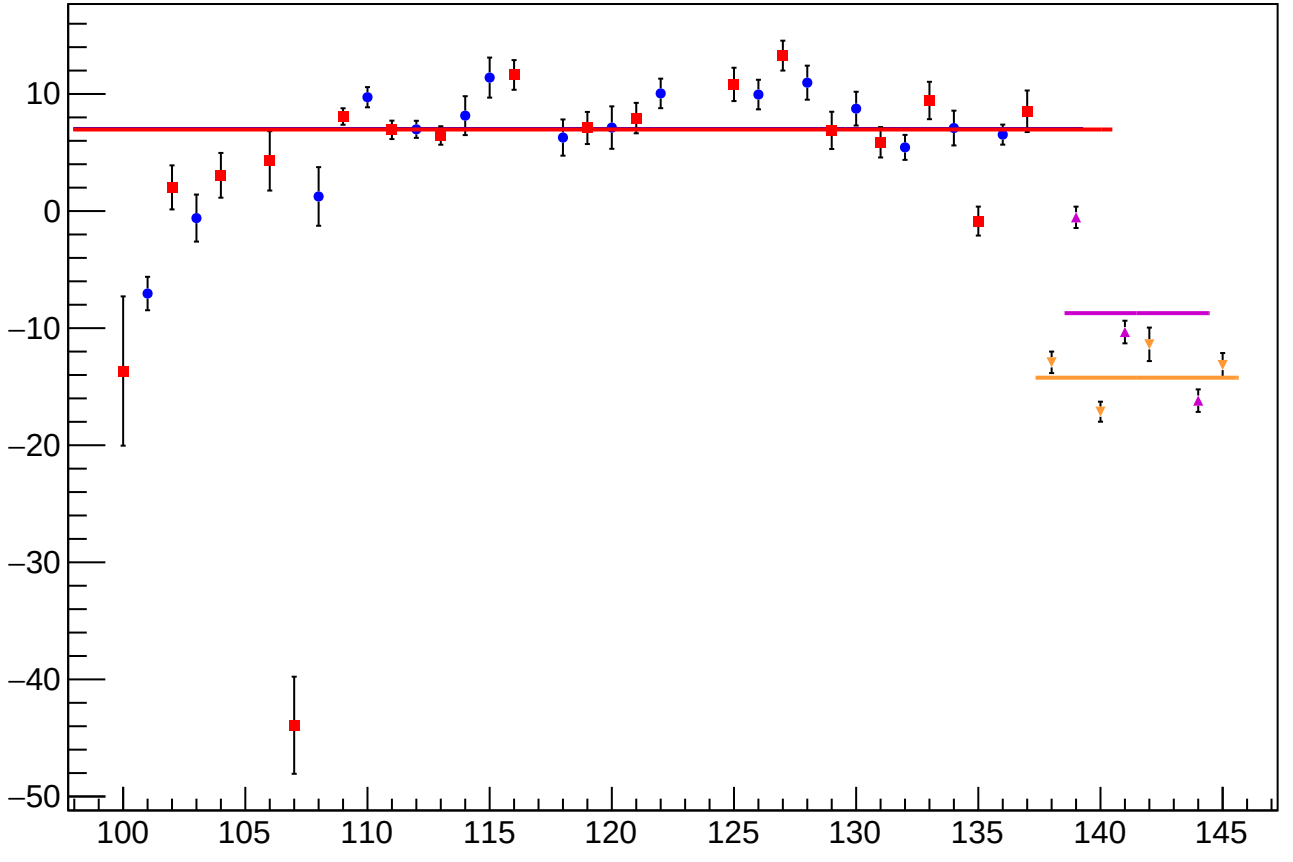
Left In: -49.805+/-0.041 χ^2/NDF:29398.9/2

+ sign -44.158+/-0.023 χ^2/NDF: 92680.3/19

All: -44.295+/-0.016 χ^2/NDF: 185145.3/40

- sign -44.442+/-0.024 χ^2/NDF: 92390.8/20

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

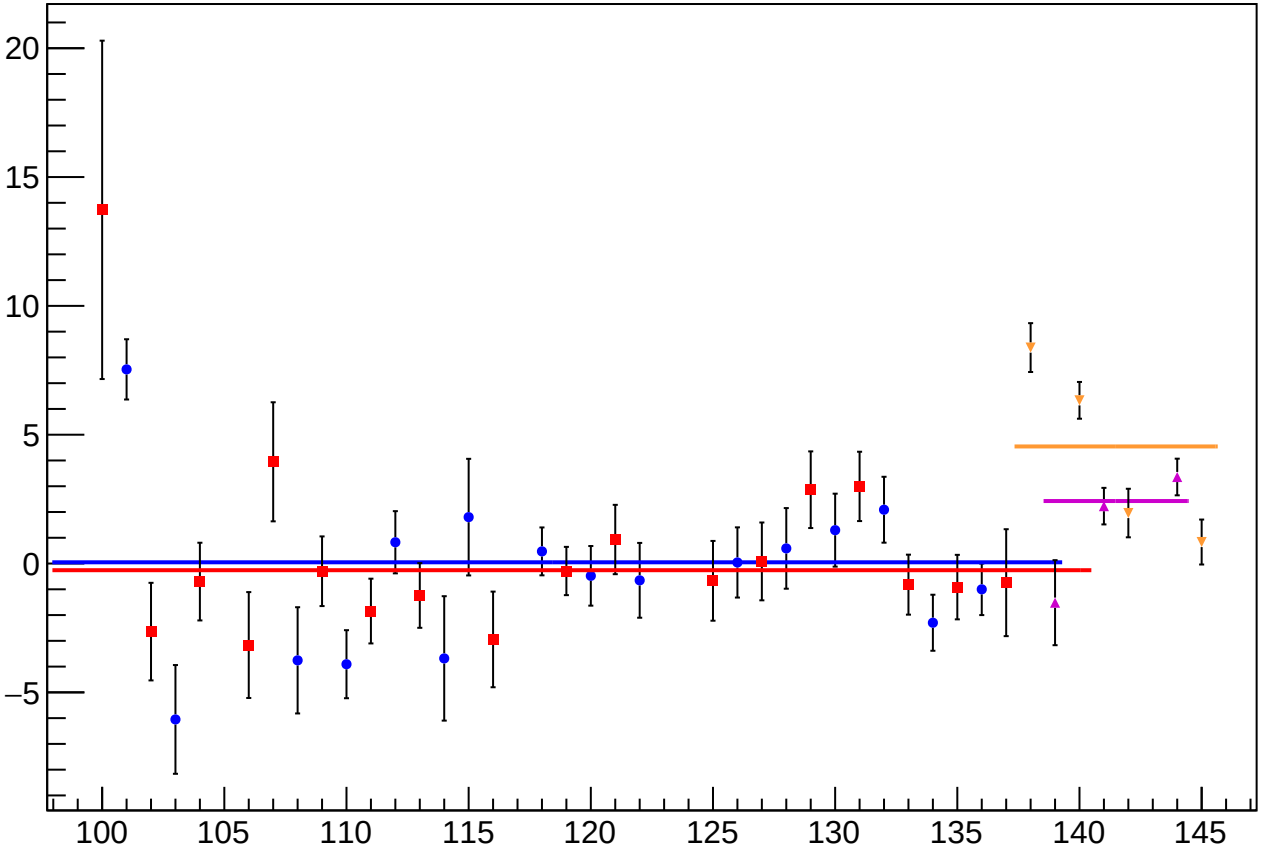
Left In: -8.717+/-0.546 χ^2/NDF:143.4/2

+ sign 1.137+/-0.263 χ^2/NDF: 1479.7/19

All: 2.258+/-0.186 χ^2/NDF: 2560.0/40

- sign 3.368+/-0.262 χ^2/NDF: 1044.2/20

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

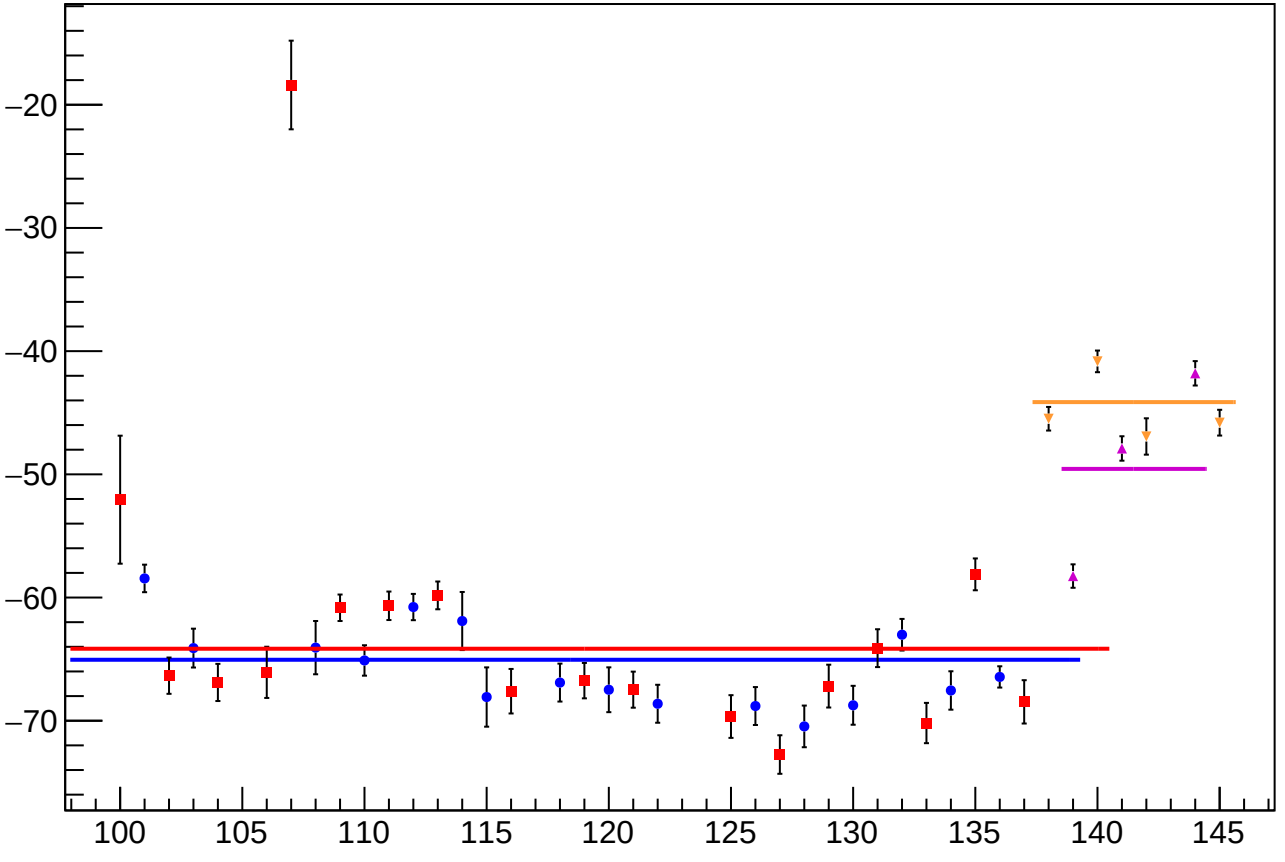
Left In: 2.426+/-0.480 χ^2/NDF:7.5/2

+ sign 1.745+/-0.262 χ^2/NDF: 192.7/19

All: 1.236+/-0.191 χ^2/NDF: 256.5/40

- sign 0.652+/-0.280 χ^2/NDF: 55.7/20

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

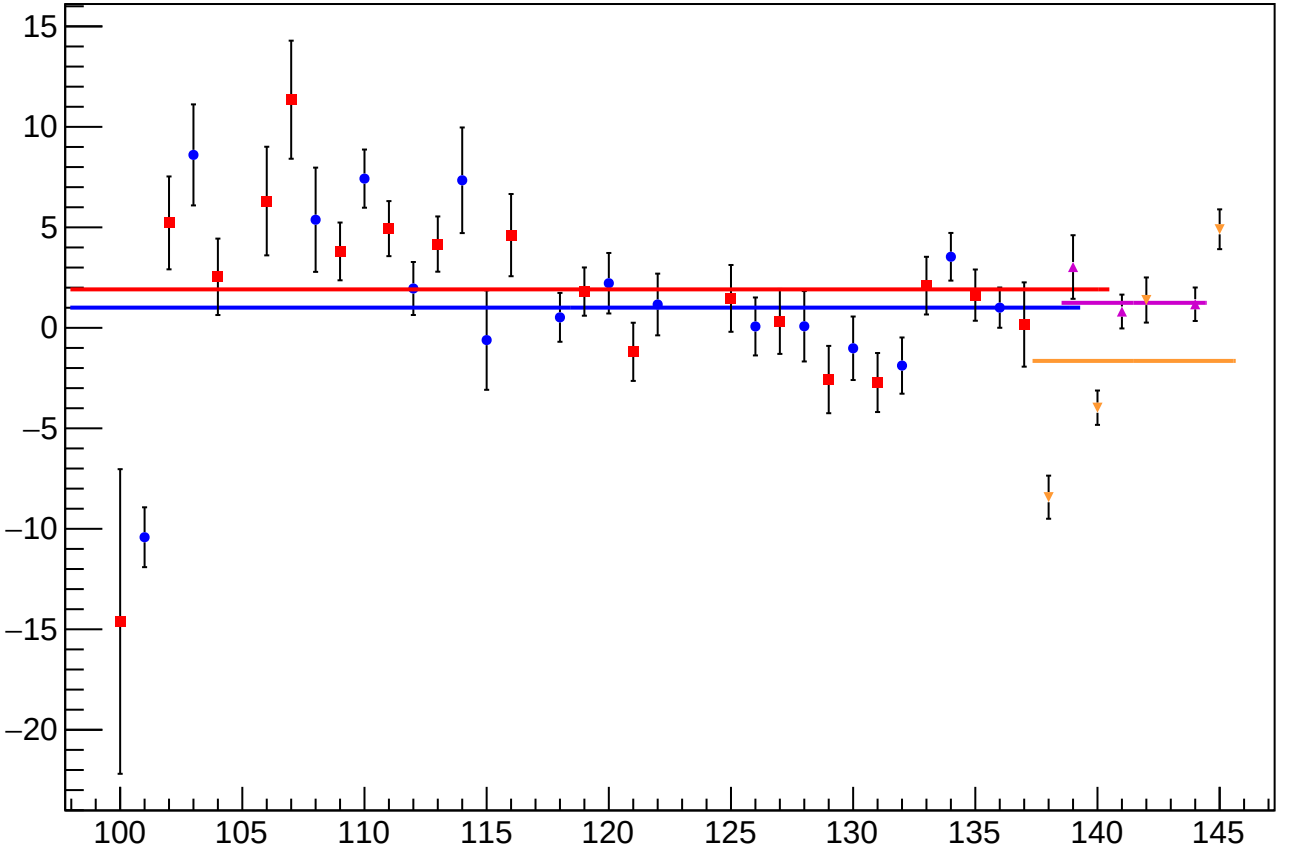
Left In: -49.558+/-0.564 χ^2/NDF:147.6/2

+ sign -58.357+/-0.292 χ^2/NDF: 1232.3/19

All: -59.110+/-0.210 χ^2/NDF: 2172.8/40

- sign -59.926+/-0.304 χ^2/NDF: 926.6/20

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

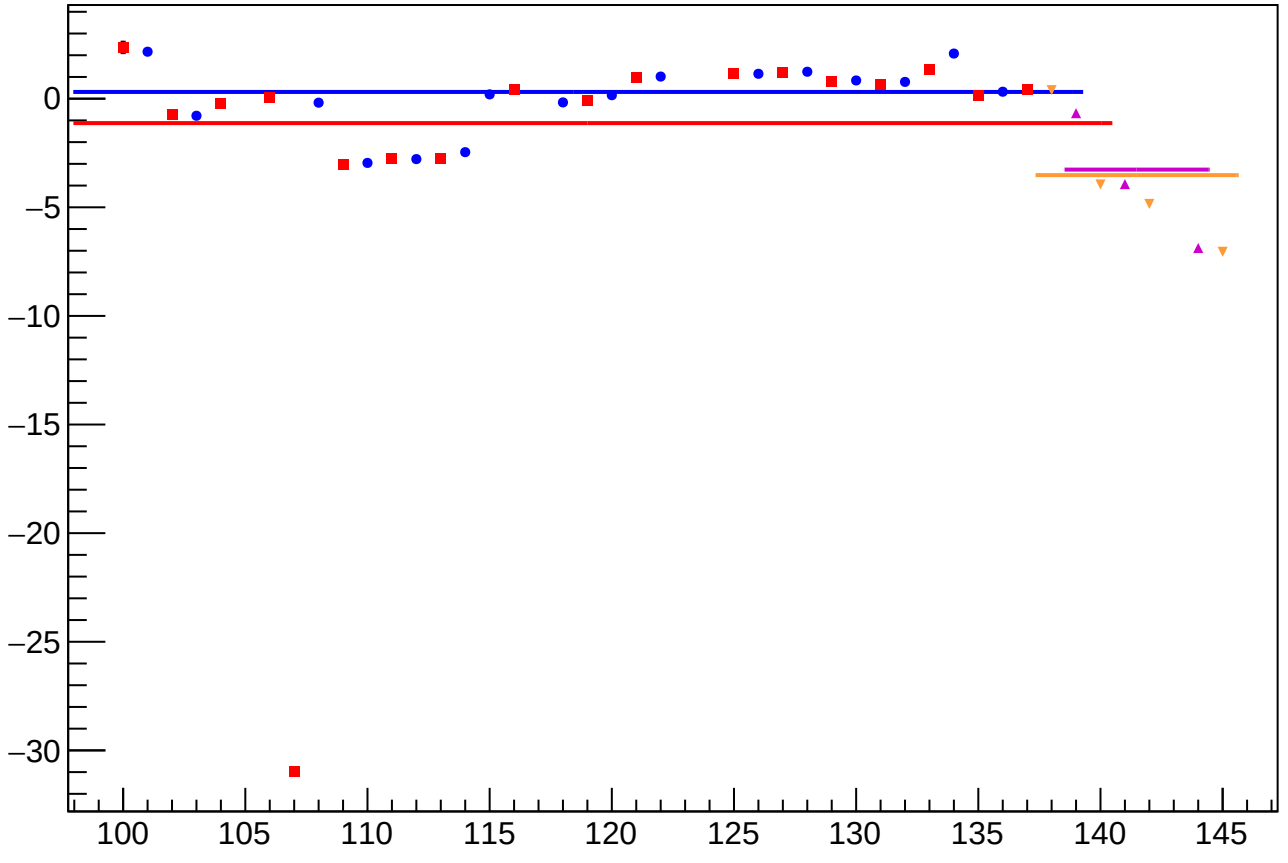
Left In: 1.244+/-0.554 χ^2/NDF:1.5/2

+ sign 0.042+/-0.300 χ^2/NDF: 225.8/19

All: 0.816+/-0.218 χ^2/NDF: 297.0/40

- sign 1.693+/-0.319 χ^2/NDF: 57.0/20

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

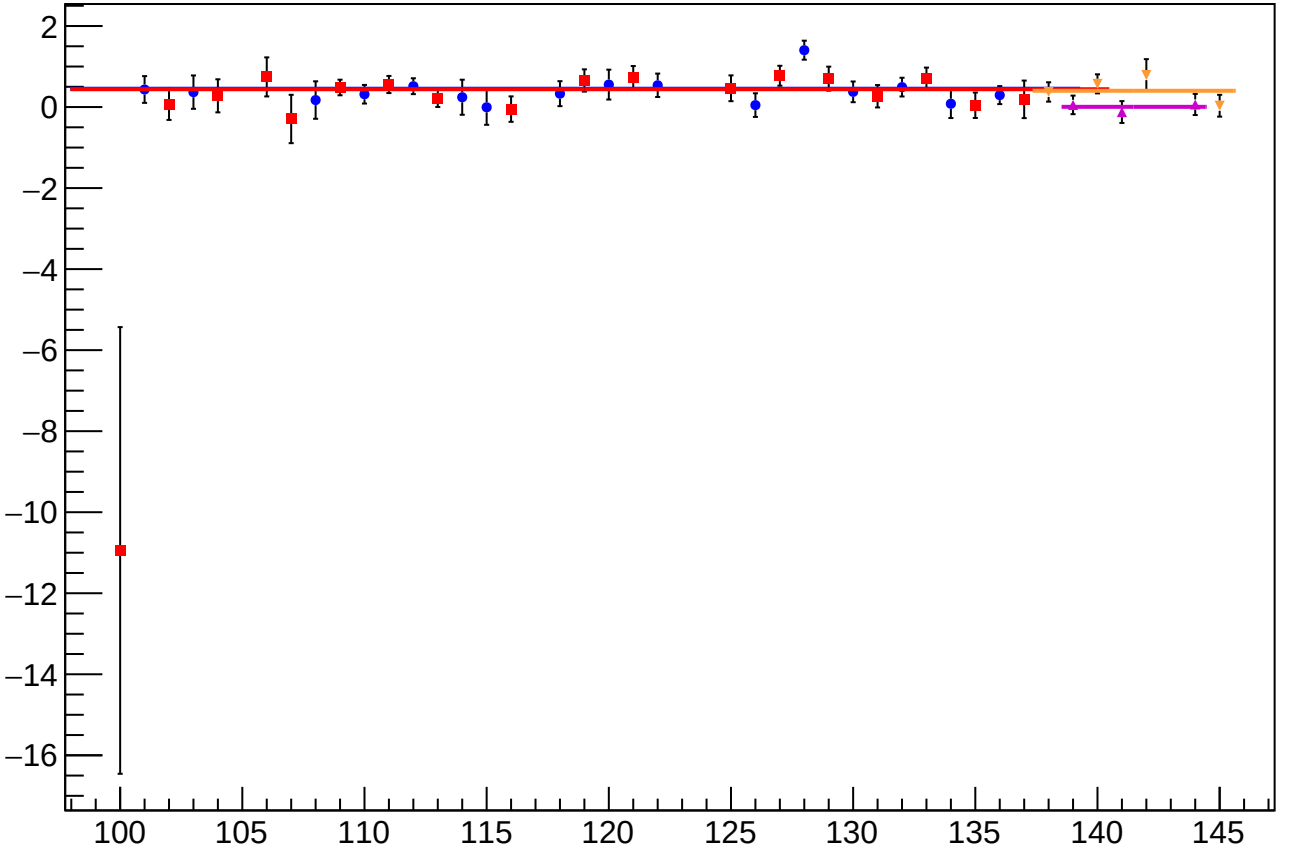
Left In: -3.265+/-0.022 χ^2/NDF:12739.4/2

+ sign -1.589+/-0.015 χ^2/NDF: 39796.4/19

All: -1.870+/-0.011 χ^2/NDF: 104228.4/40

- sign -2.183+/-0.016 χ^2/NDF: 63684.3/20

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

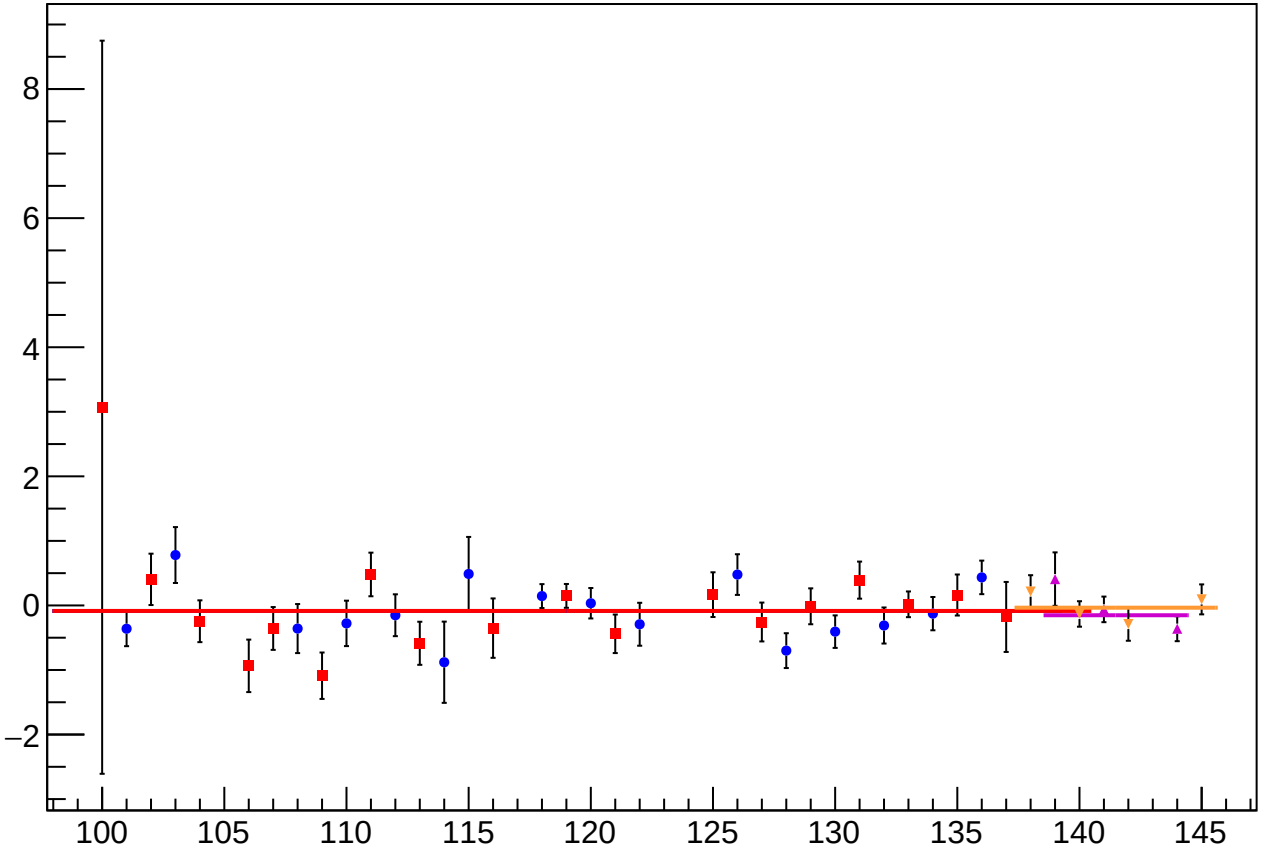
Left In: 0.005+/-0.145 χ^2/NDF:0.3/2

+ sign 0.441+/-0.063 χ^2/NDF: 26.1/19

All: 0.400+/-0.044 χ^2/NDF: 53.2/40

- sign 0.358+/-0.063 χ^2/NDF: 26.2/20

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

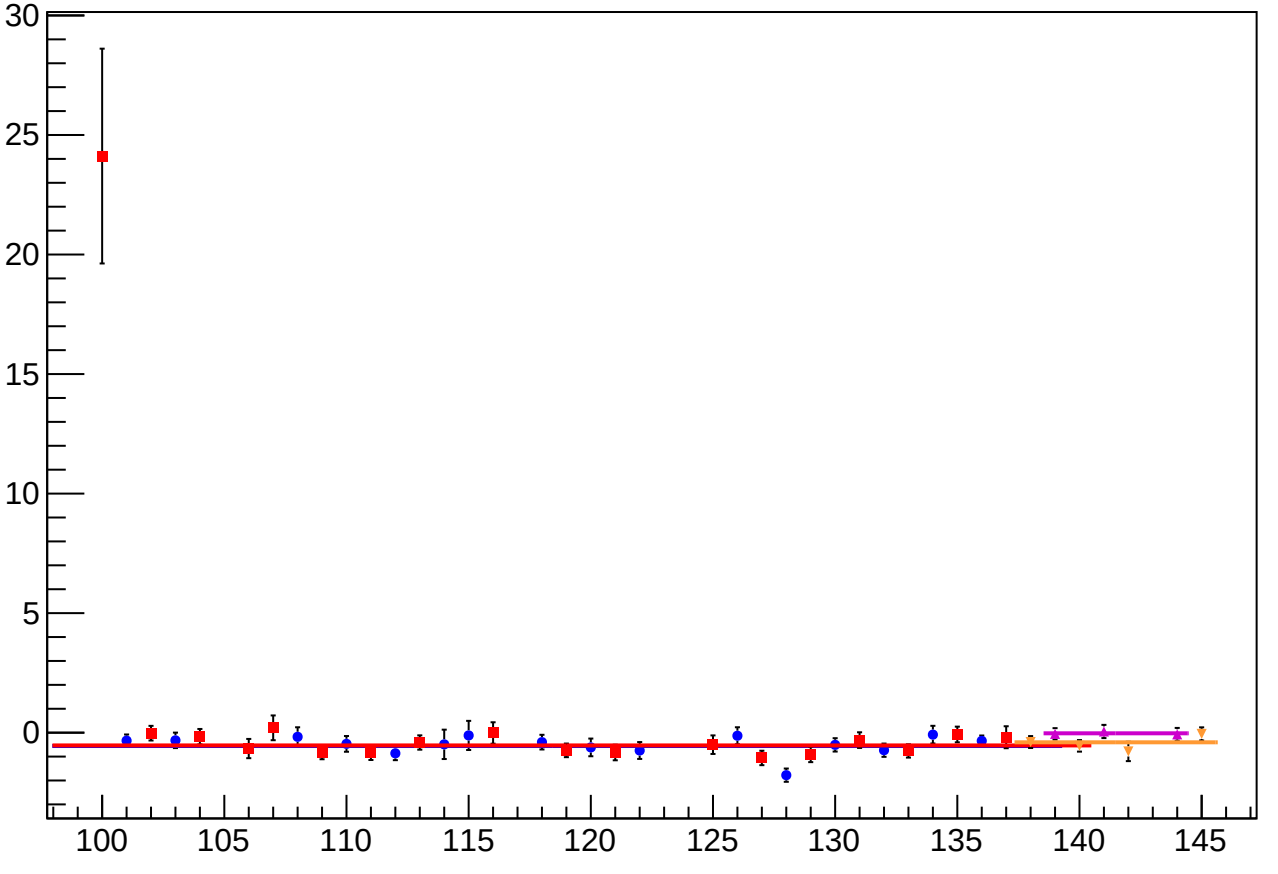
Left In: -0.152+/-0.131 χ^2/NDF:3.2/2

+ sign -0.072+/-0.062 χ^2/NDF: 28.0/19

All: -0.086+/-0.044 χ^2/NDF: 59.4/40

- sign -0.101+/-0.064 χ^2/NDF: 31.3/20

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

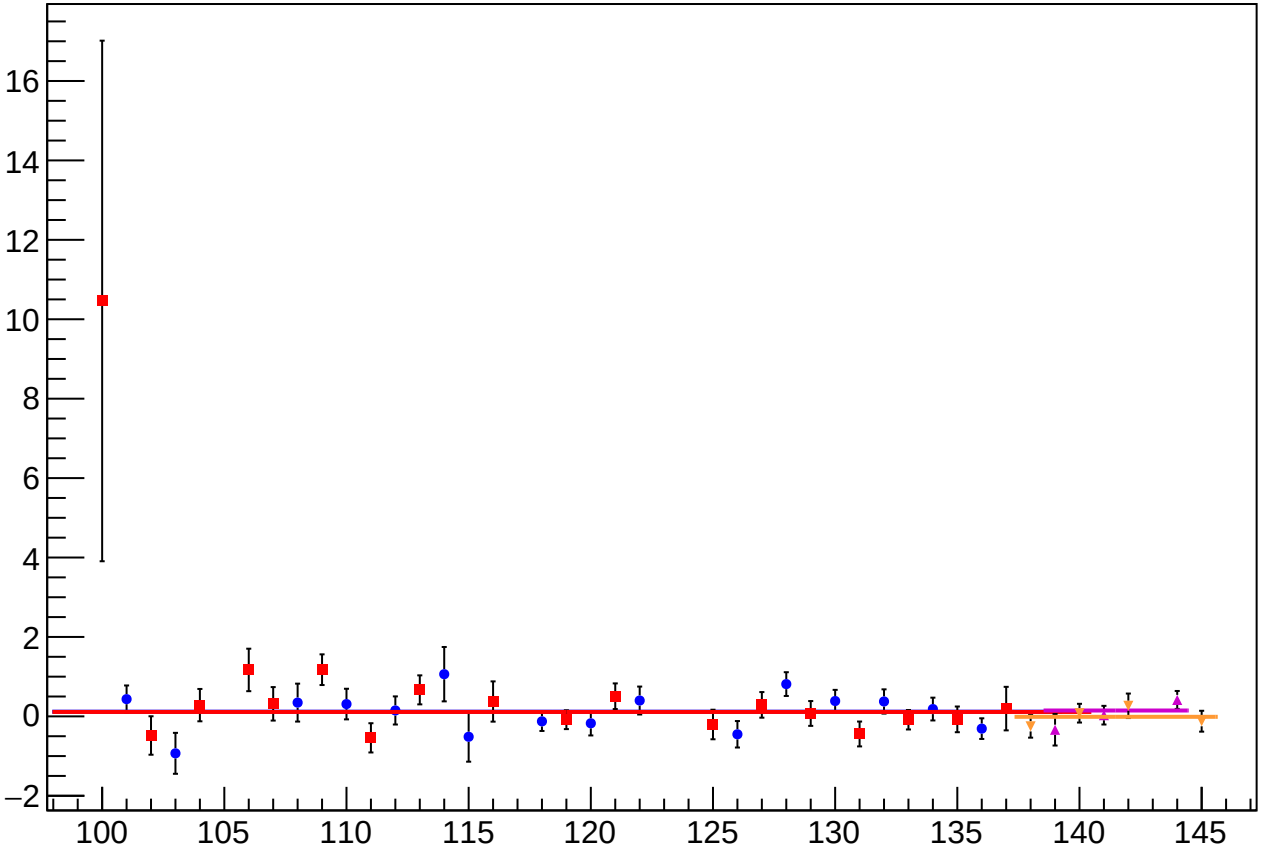
Left In: -0.027+/-0.150 χ^2/NDF:0.1/2

+ sign -0.520+/-0.069 χ^2/NDF: 32.2/19

All: -0.471+/-0.049 χ^2/NDF: 91.4/40

- sign -0.420+/-0.071 χ^2/NDF: 58.2/20

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

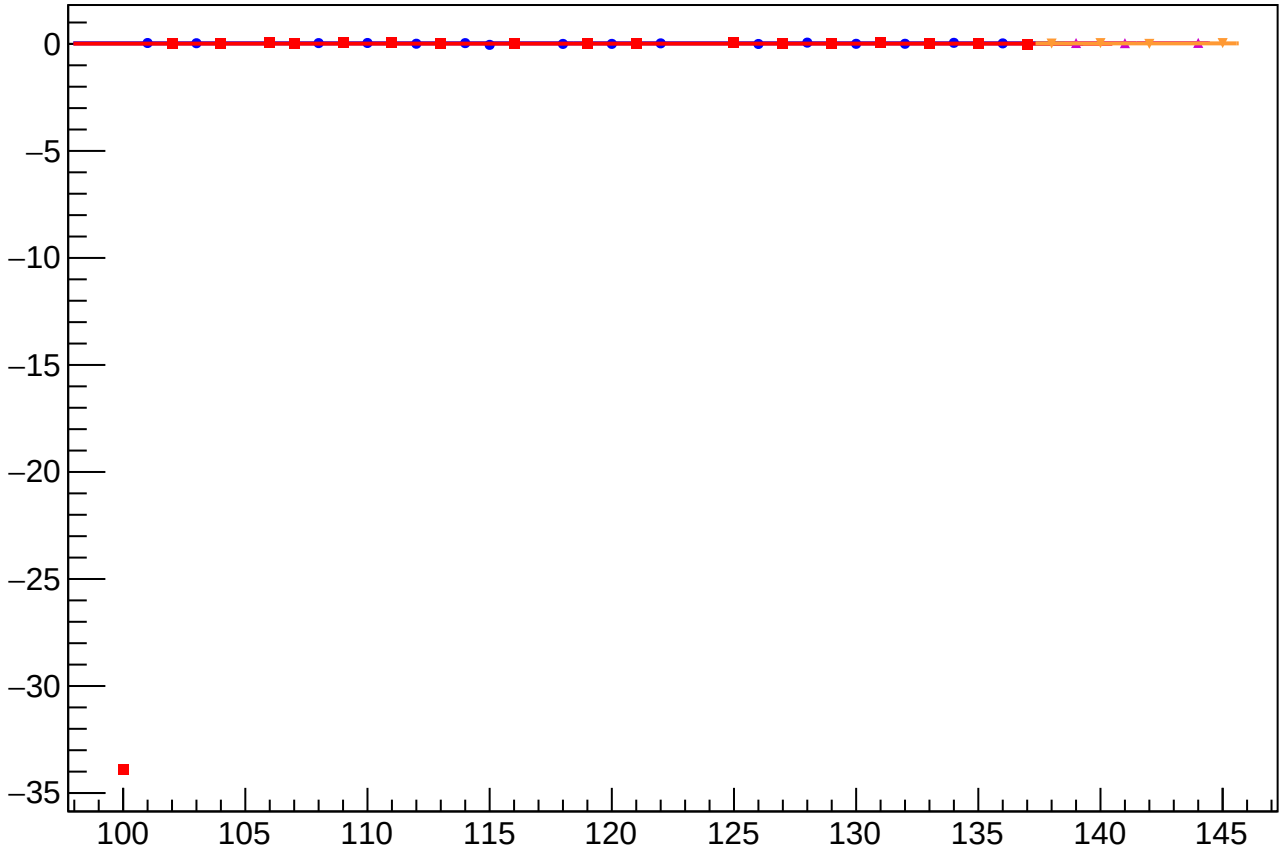
Left In: 0.148+/-0.151 χ^2/NDF:3.1/2

+ sign 0.082+/-0.071 χ^2/NDF: 26.1/19

All: 0.100+/-0.051 χ^2/NDF: 58.4/40

- sign 0.120+/-0.074 χ^2/NDF: 32.2/20

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

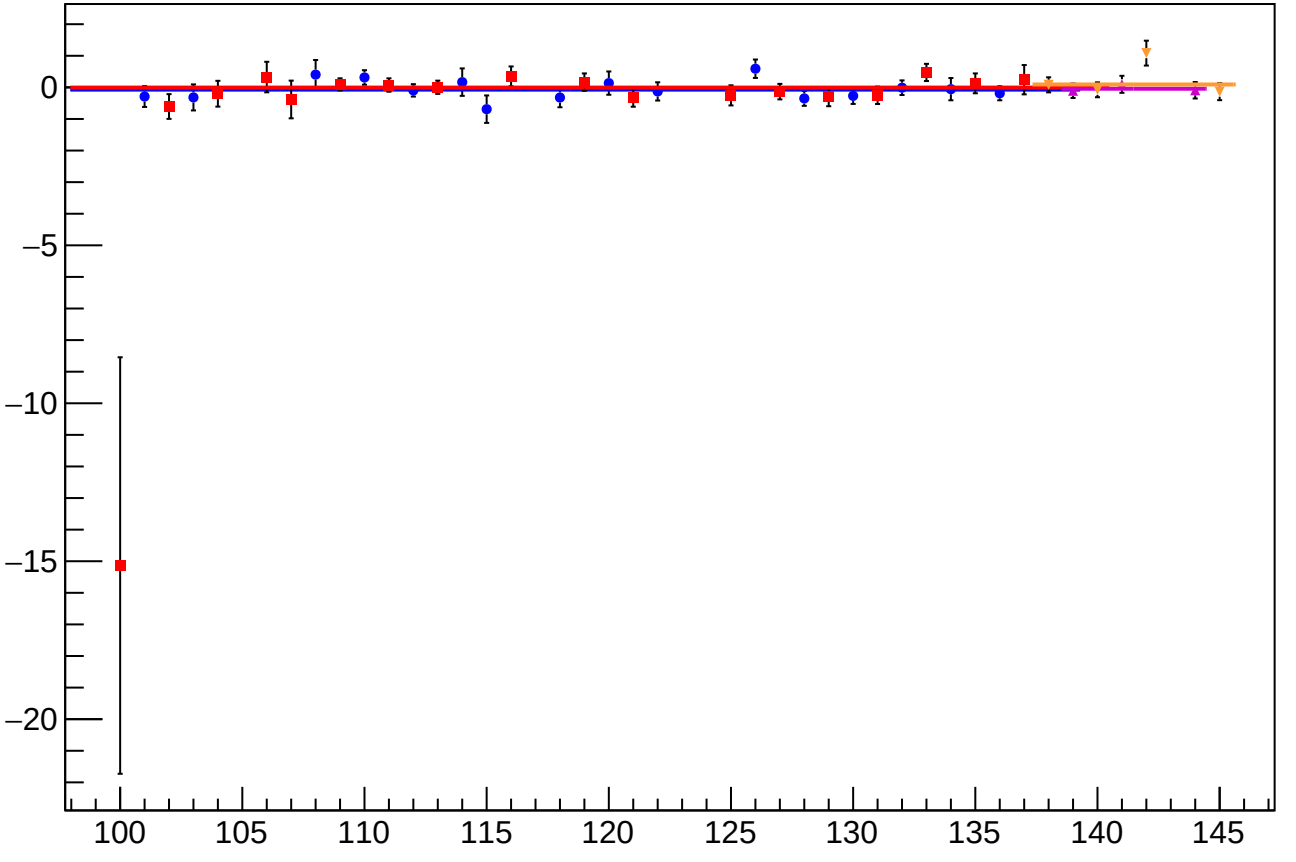
Left In: 0.042+/-0.006 χ^2/NDF:0.5/2

+ sign 0.026+/-0.004 χ^2/NDF: 20.0/19

All: 0.025+/-0.003 χ^2/NDF: 22298.2/40

- sign 0.024+/-0.004 χ^2/NDF: 22278.0/20

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

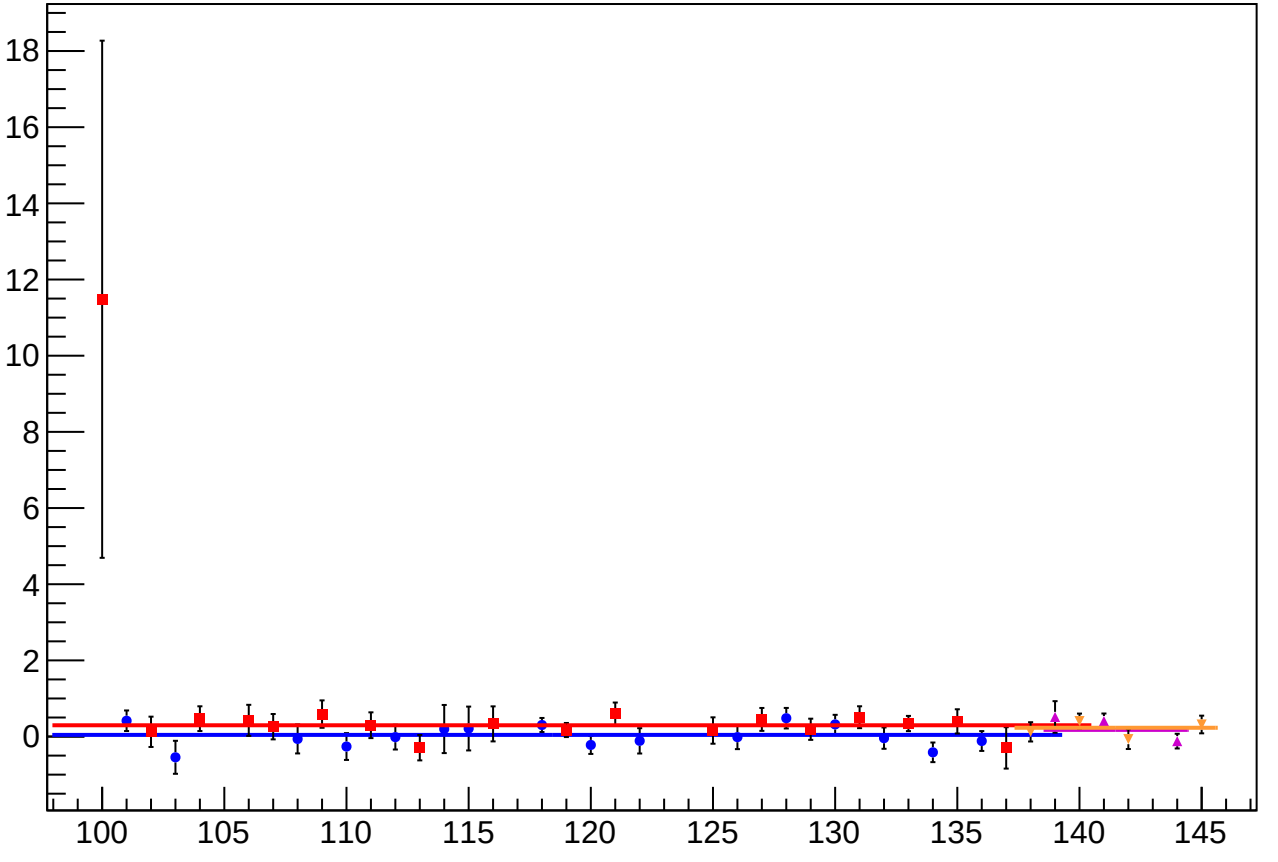
Left In: -0.043+/-0.145 χ^2/NDF:0.4/2

+ sign -0.034+/-0.063 χ^2/NDF: 24.2/19

All: -0.024+/-0.044 χ^2/NDF: 42.9/40

- sign -0.014+/-0.063 χ^2/NDF: 18.6/20

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

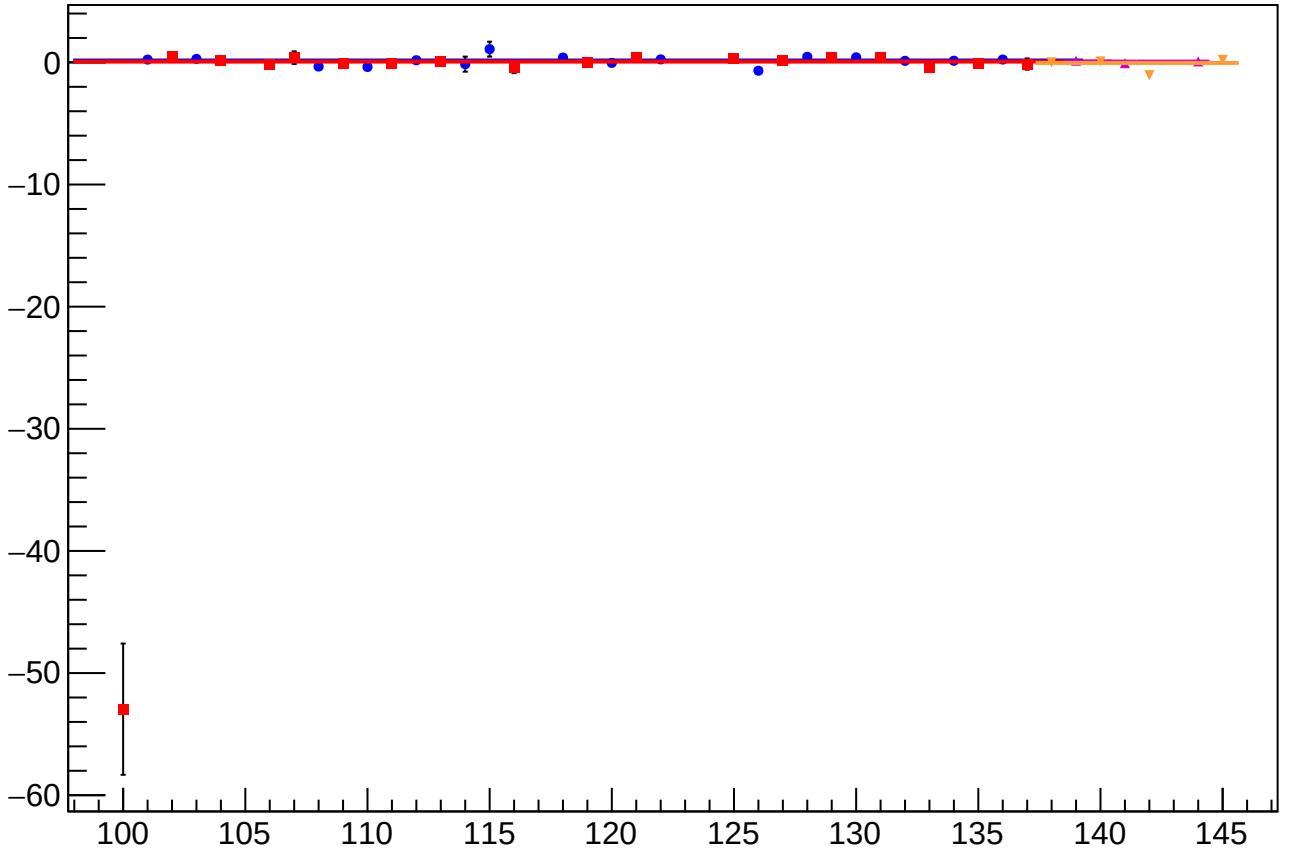
Left In: 0.175+/-0.131 χ^2/NDF:4.4/2

+ sign 0.097+/-0.062 χ^2/NDF: 20.0/19

All: 0.179+/-0.045 χ^2/NDF: 39.7/40

- sign 0.267+/-0.064 χ^2/NDF: 16.0/20

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

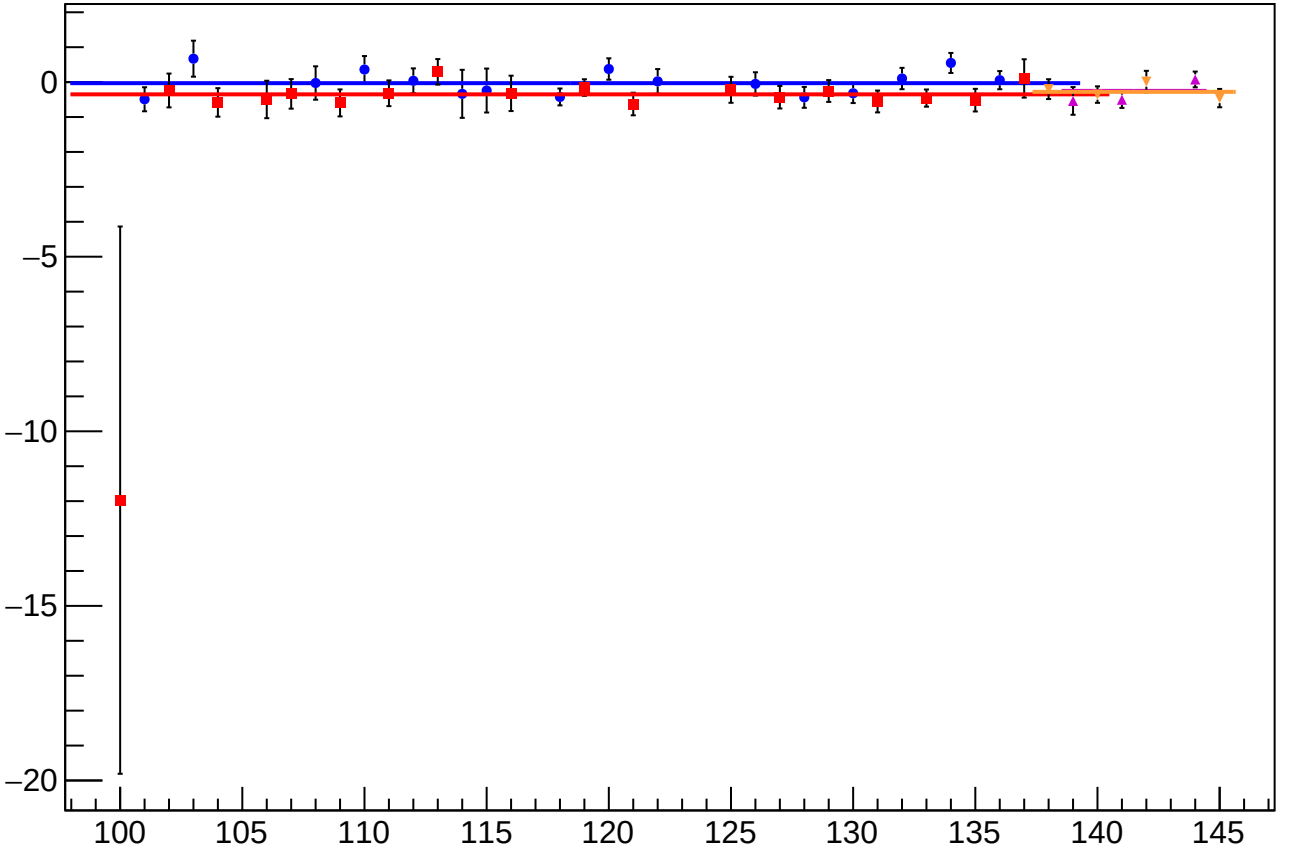
Left In: 0.064+/-0.150 χ^2/NDF:0.3/2

+ sign 0.104+/-0.069 χ^2/NDF: 24.3/19

All: 0.085+/-0.049 χ^2/NDF: 134.1/40

- sign 0.065+/-0.071 χ^2/NDF: 109.6/20

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

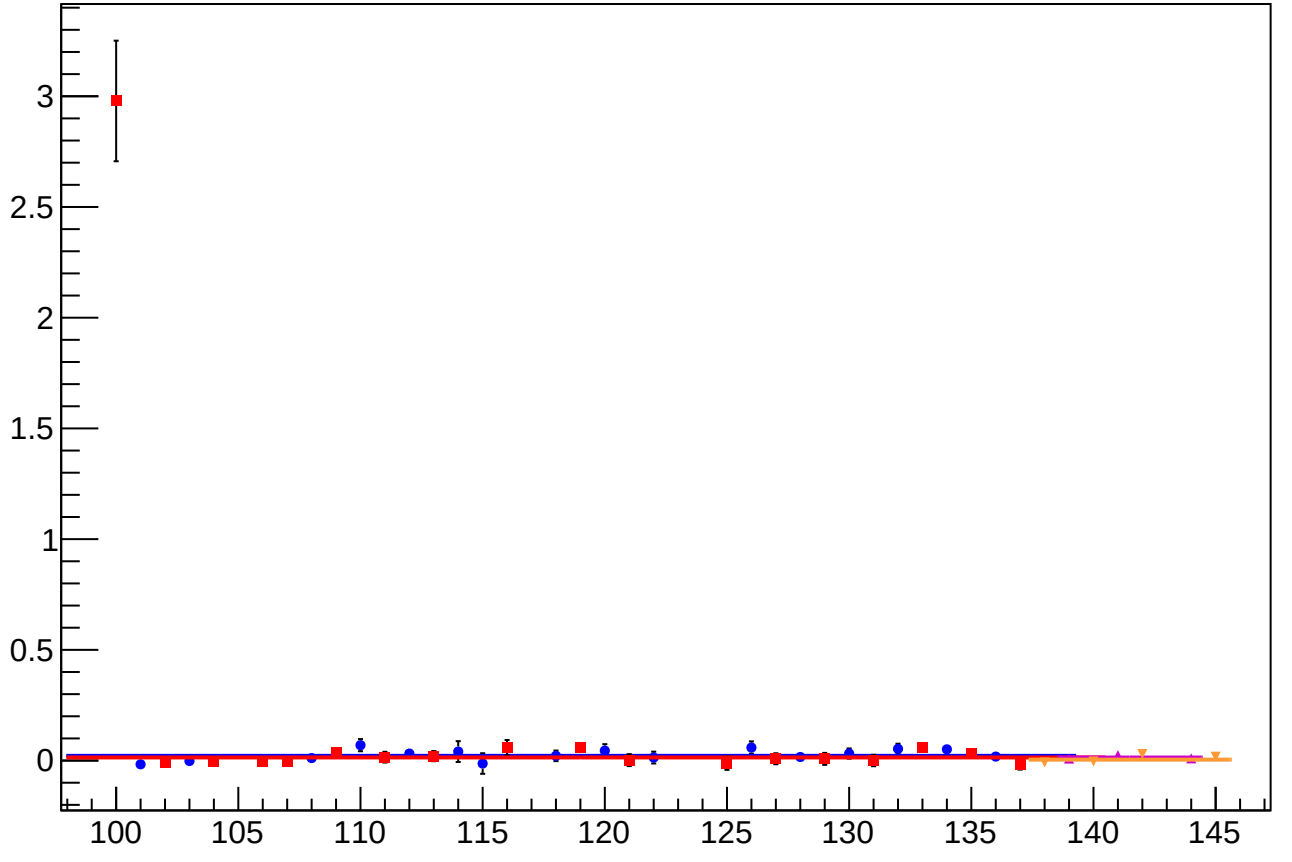
Left In: -0.252+/-0.151 χ^2/NDF:3.8/2

+ sign -0.100+/-0.071 χ^2/NDF: 20.8/19

All: -0.209+/-0.051 χ^2/NDF: 39.2/40

- sign -0.327+/-0.074 χ^2/NDF: 13.5/20

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

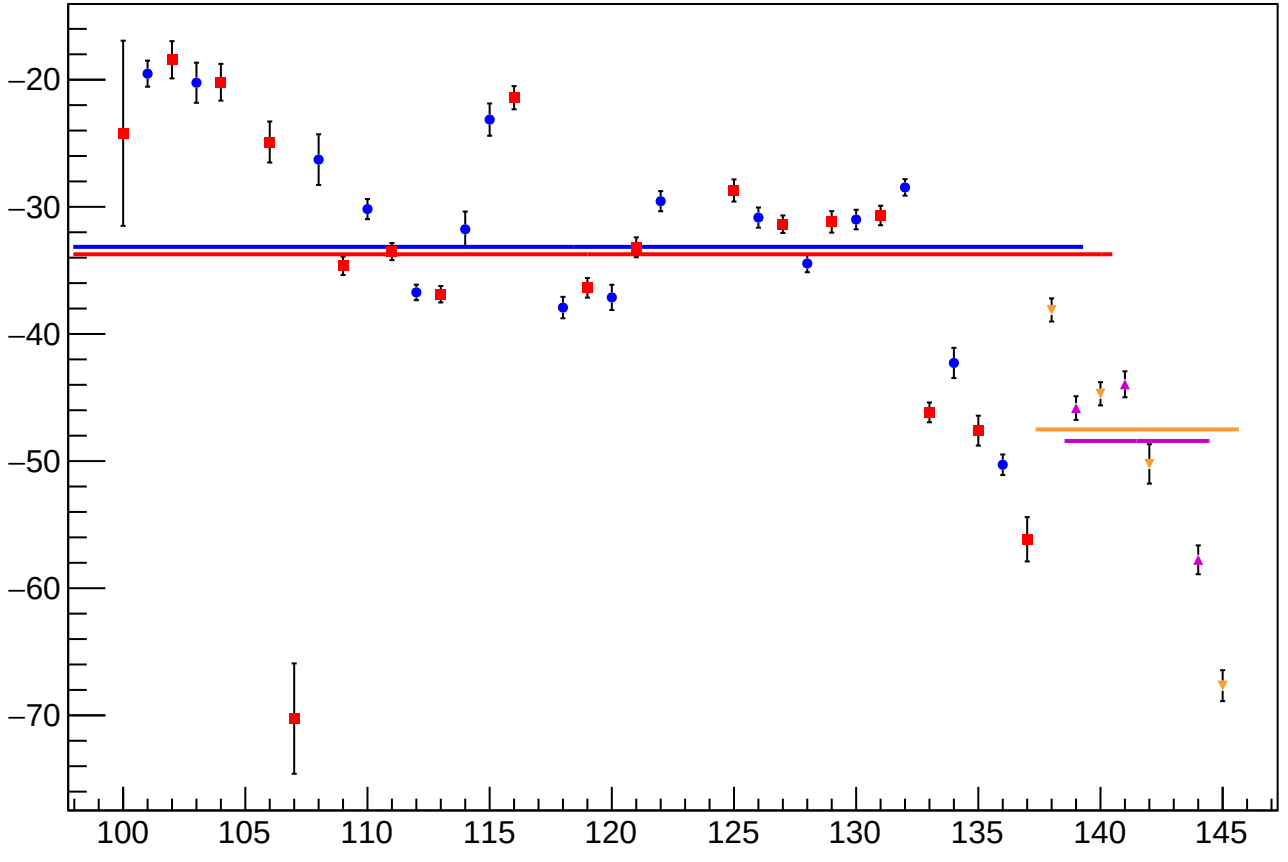
Left In: 0.014+/-0.006 χ^2/NDF:1.3/2

+ sign 0.014+/-0.004 χ^2/NDF: 33.8/19

All: 0.014+/-0.003 χ^2/NDF: 176.0/40

- sign 0.014+/-0.004 χ^2/NDF: 142.2/20

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

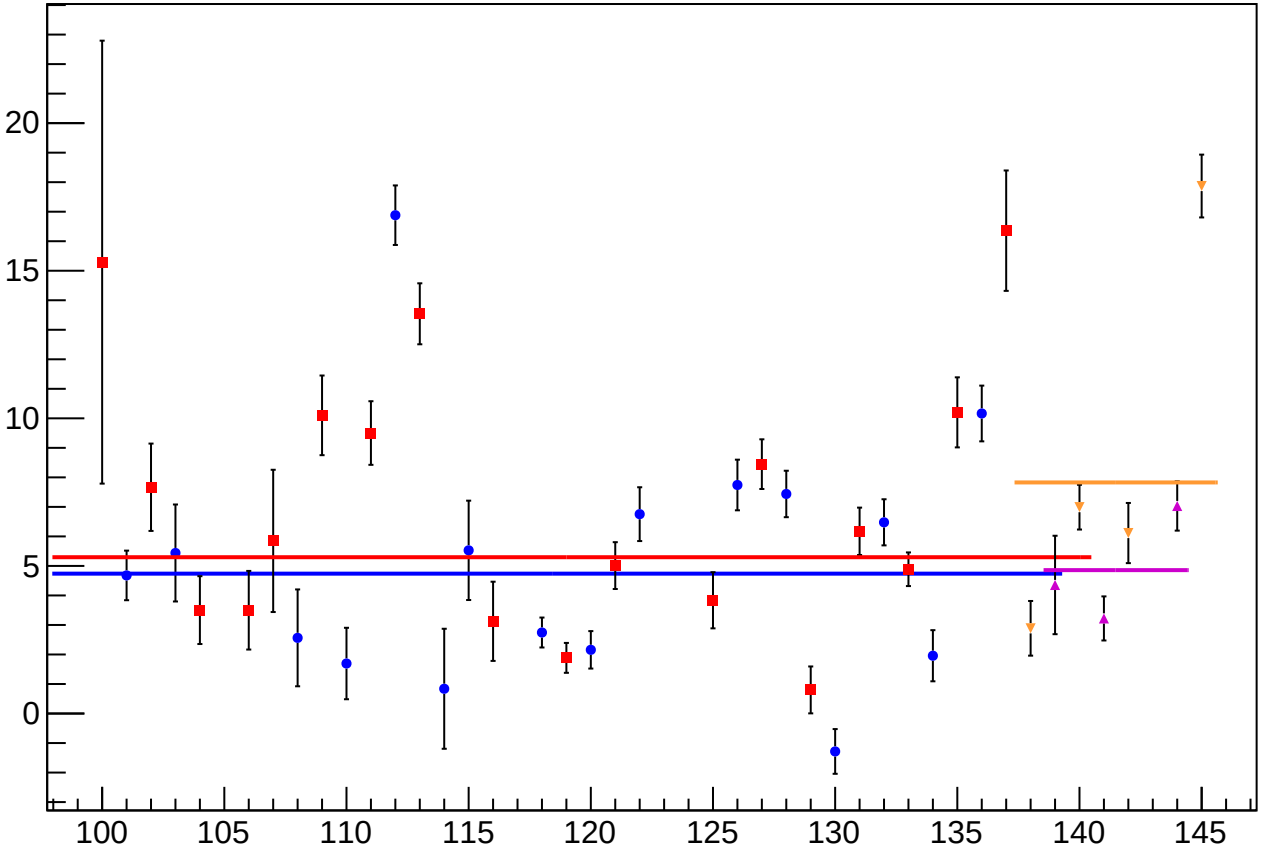
Left In: -48.417+/-0.588 χ^2/NDF:94.8/2

+ sign -35.198+/-0.202 χ^2/NDF: 2026.8/19

All: -35.329+/-0.143 χ^2/NDF: 3821.2/40

- sign -35.460+/-0.202 χ^2/NDF: 1793.6/20

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

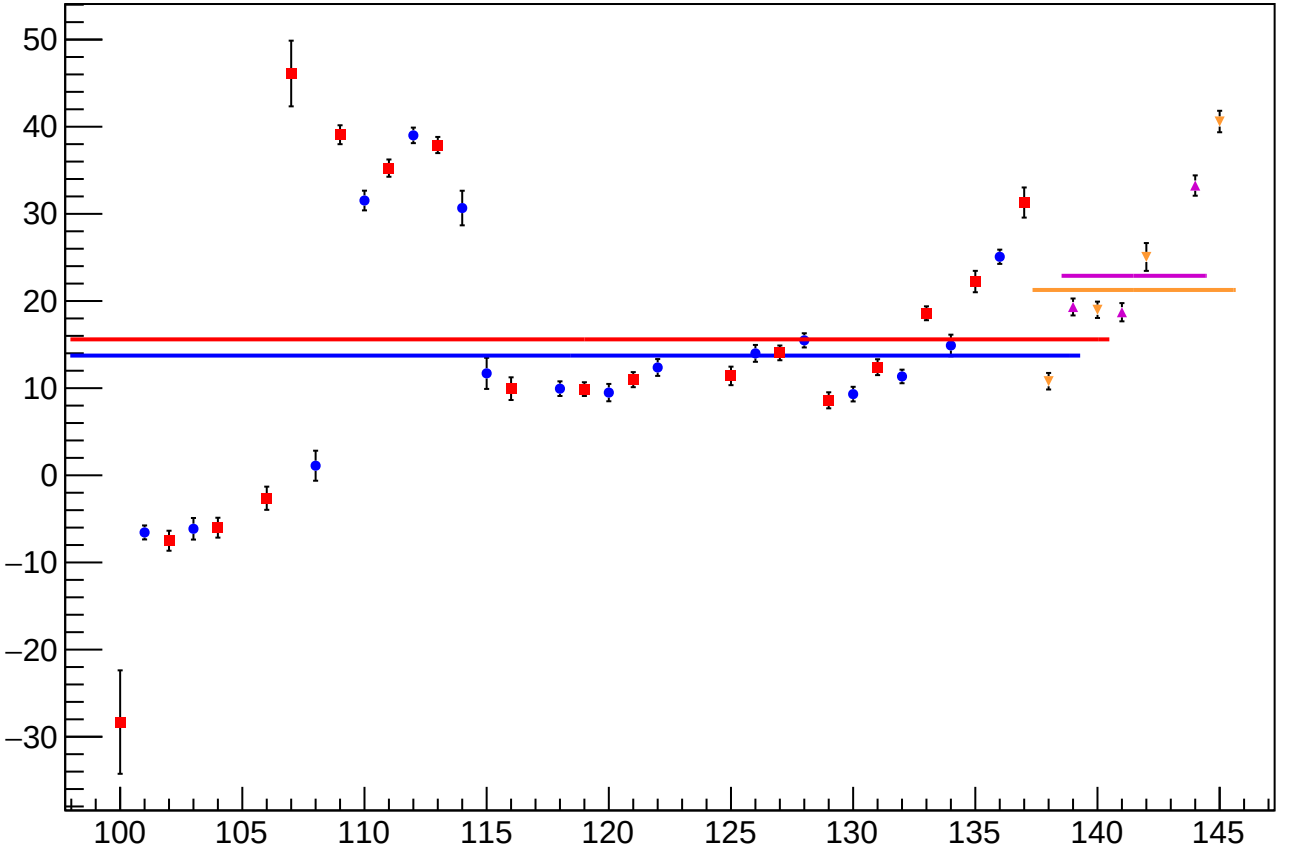
Left In: 4.858+/-0.528 χ^2/NDF:11.7/2

+ sign 5.313+/-0.198 χ^2/NDF: 488.1/19

All: 5.272+/-0.143 χ^2/NDF: 745.5/40

- sign 5.229+/-0.206 χ^2/NDF: 257.3/20

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

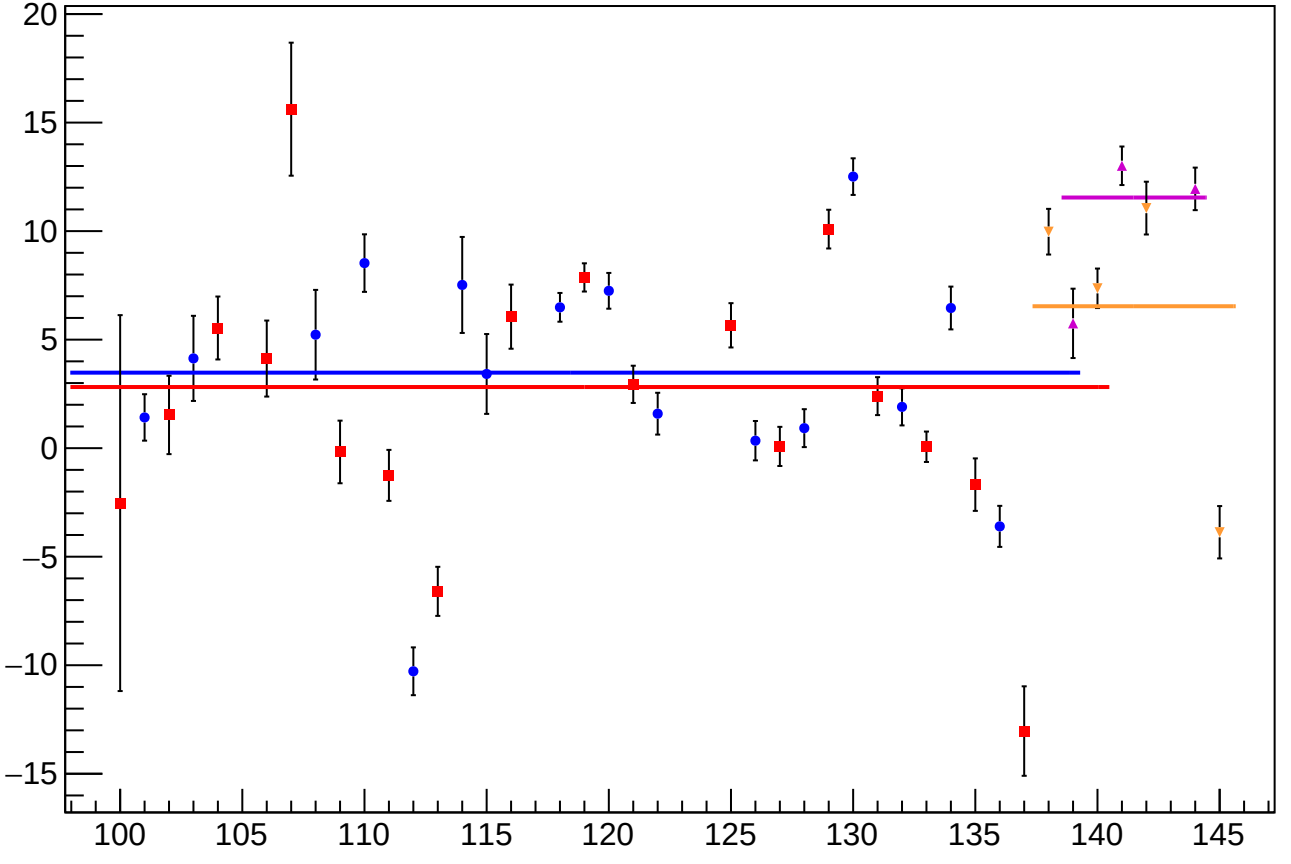
Left In: 22.893+/-0.608 χ^2/NDF:108.2/2

+ sign 14.997+/-0.225 χ^2/NDF: 2884.9/19

All: 15.804+/-0.161 χ^2/NDF: 5968.9/40

- sign 16.655+/-0.231 χ^2/NDF: 3057.7/20

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

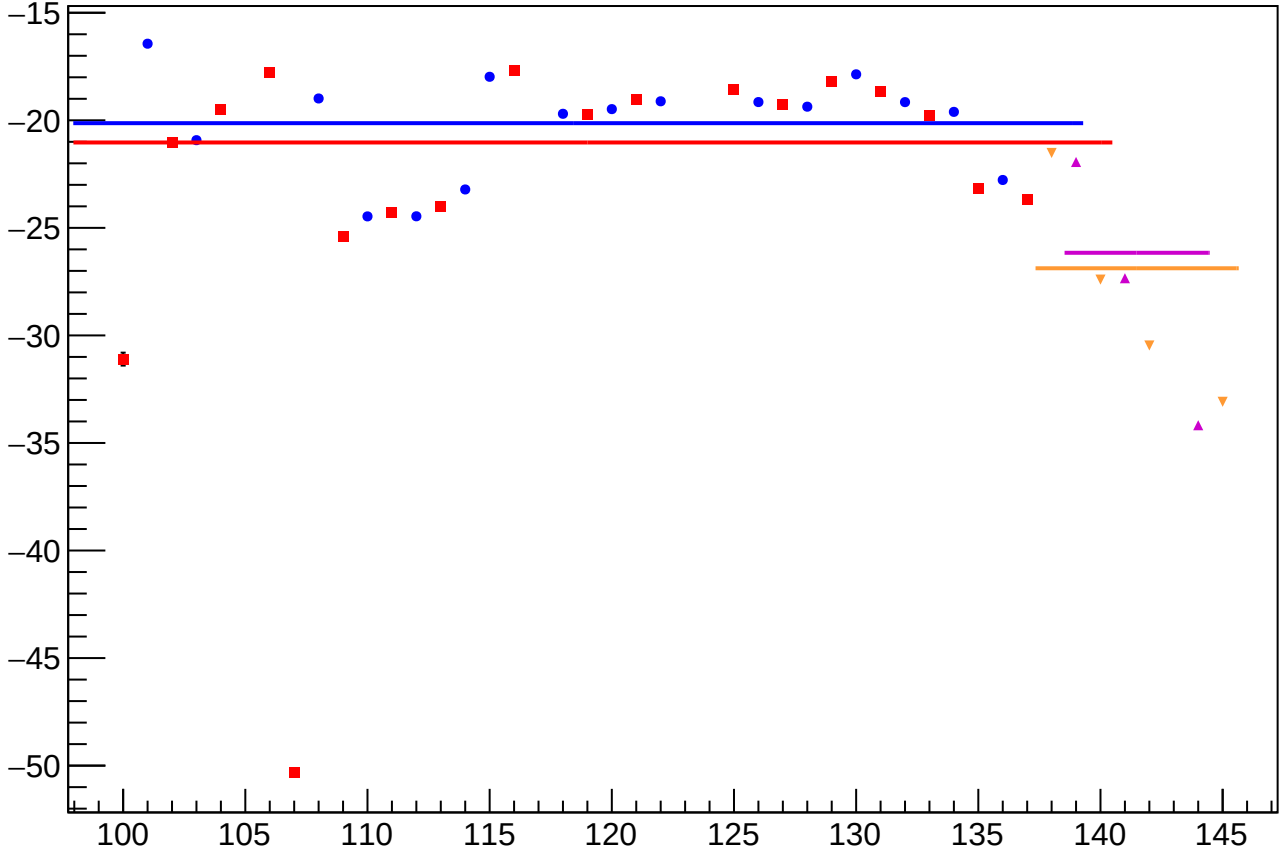
Left In: 11.548+/-0.608 χ^2/NDF:16.0/2

\+ sign 4.038+/-0.229 χ^2/NDF: 554.0/19

All: 4.088+/-0.165 χ^2/NDF: 1090.2/40

\- sign 4.141+/-0.237 χ^2/NDF: 536.1/20

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

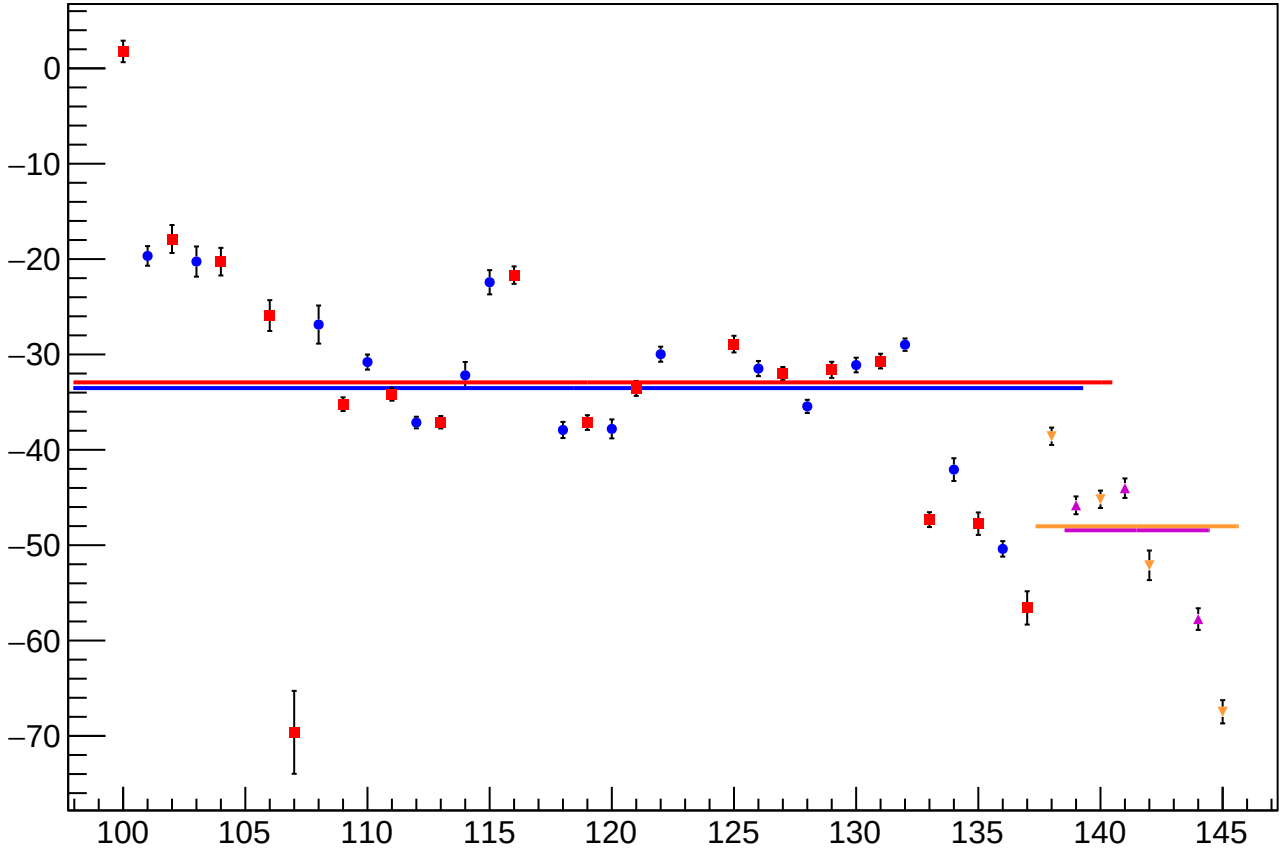
Left In: -26.159+/-0.024 χ^2/NDF:39169.8/2

+ sign -22.368+/-0.013 χ^2/NDF: 118232.6/19

All: -22.519+/-0.009 χ^2/NDF: 246446.2/40

- sign -22.680+/-0.014 χ^2/NDF: 127939.9/20

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

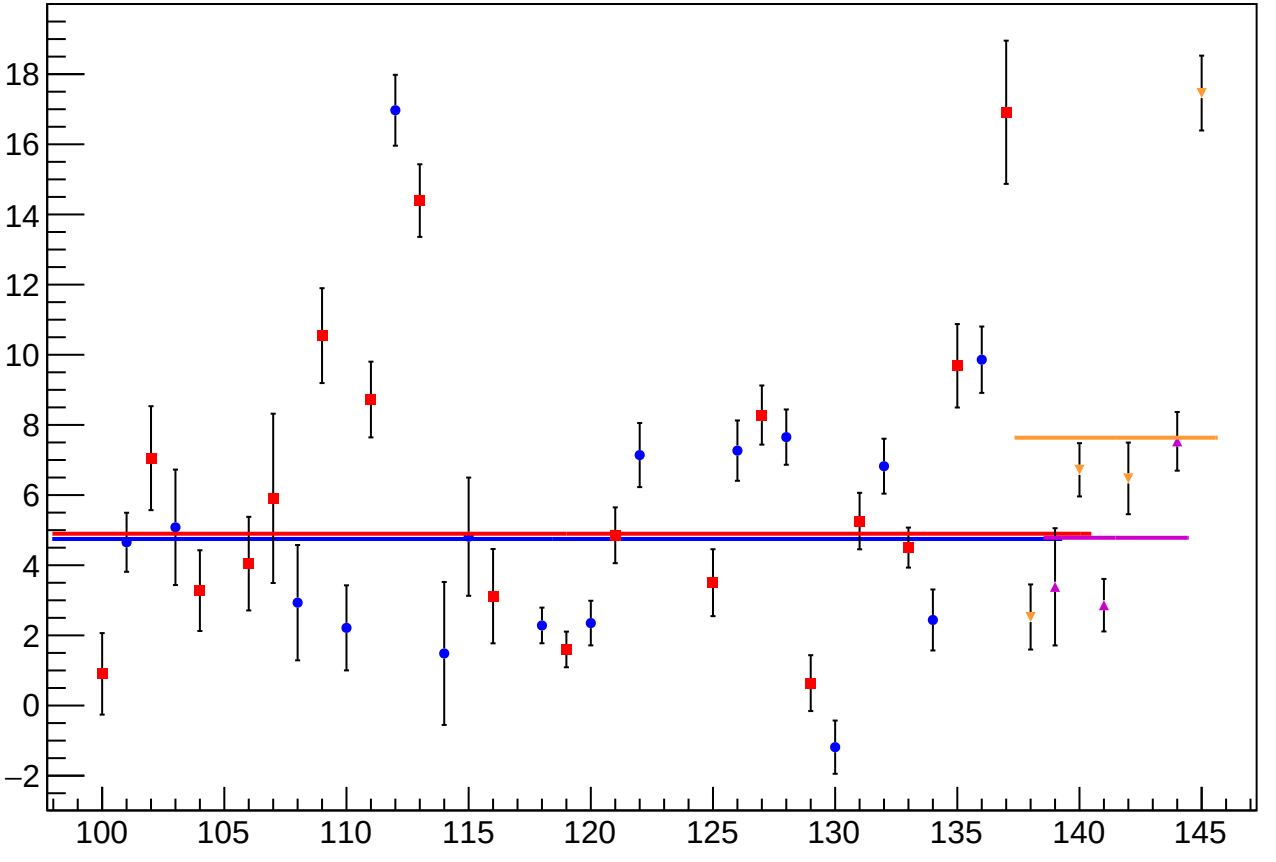
Left In: -48.436+/-0.589 χ^2/NDF:93.7/2

+ sign -35.598+/-0.202 χ^2/NDF: 2015.3/19

All: -35.143+/-0.142 χ^2/NDF: 4902.3/40

- sign -34.702+/-0.199 χ^2/NDF: 2877.0/20

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

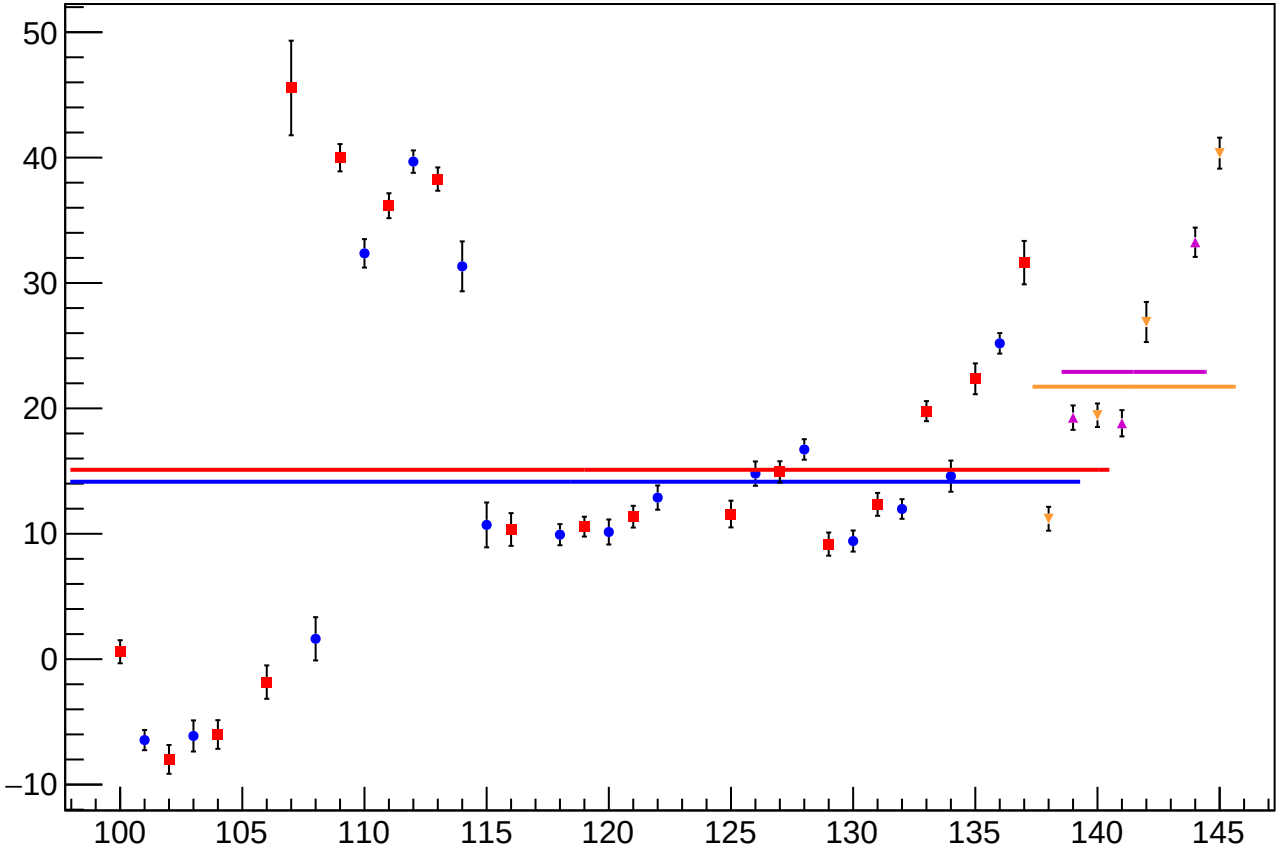
Left In: 4.783+/-0.529 χ^2/NDF:18.1/2

+ sign 5.285+/-0.198 χ^2/NDF: 475.8/19

All: 5.088+/-0.142 χ^2/NDF: 769.0/40

- sign 4.881+/-0.203 χ^2/NDF: 291.2/20

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

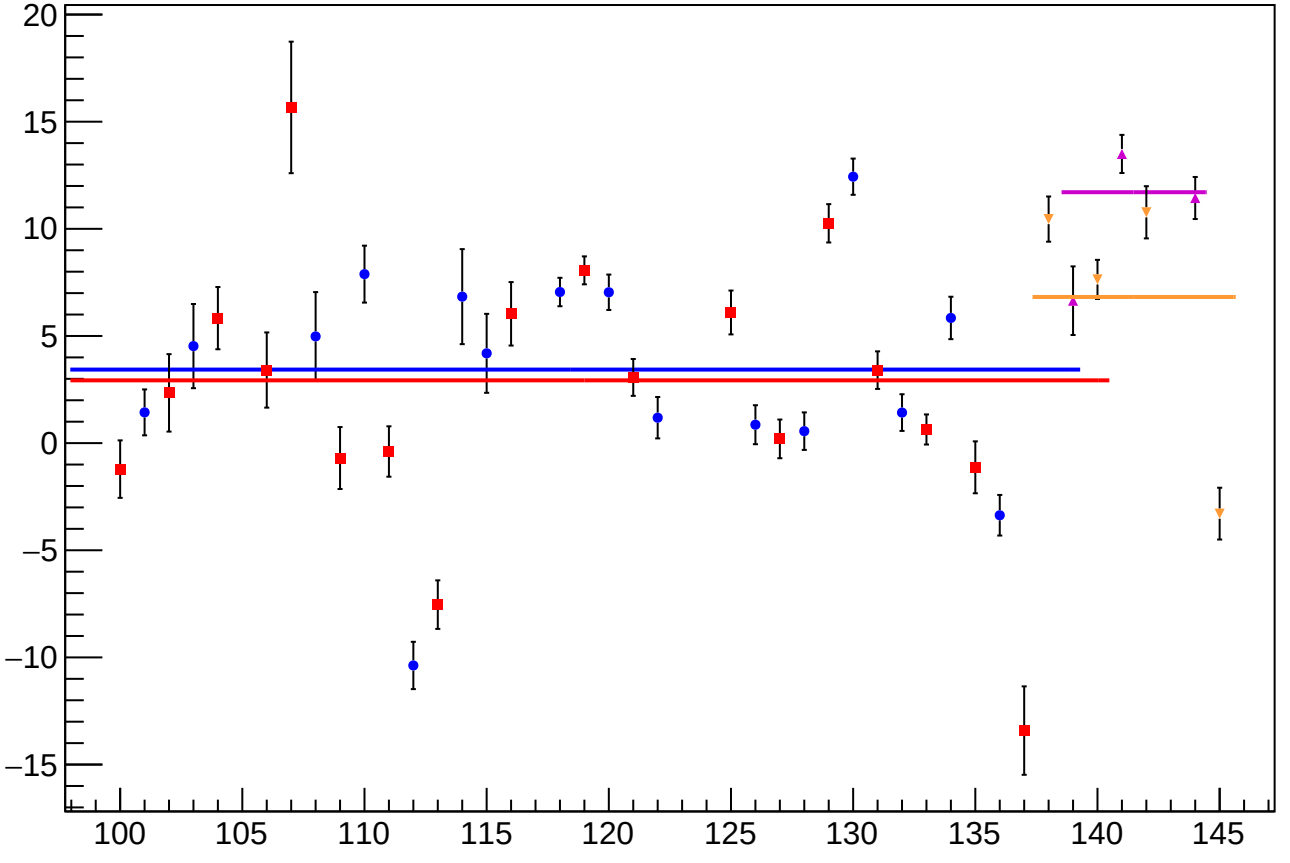
Left In: 22.910+/-0.609 χ^2/NDF:107.5/2

+ sign 15.418+/-0.226 χ^2/NDF: 2926.1/19

All: 15.794+/-0.159 χ^2/NDF: 6283.3/40

- sign 16.167+/-0.225 χ^2/NDF: 3351.7/20

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

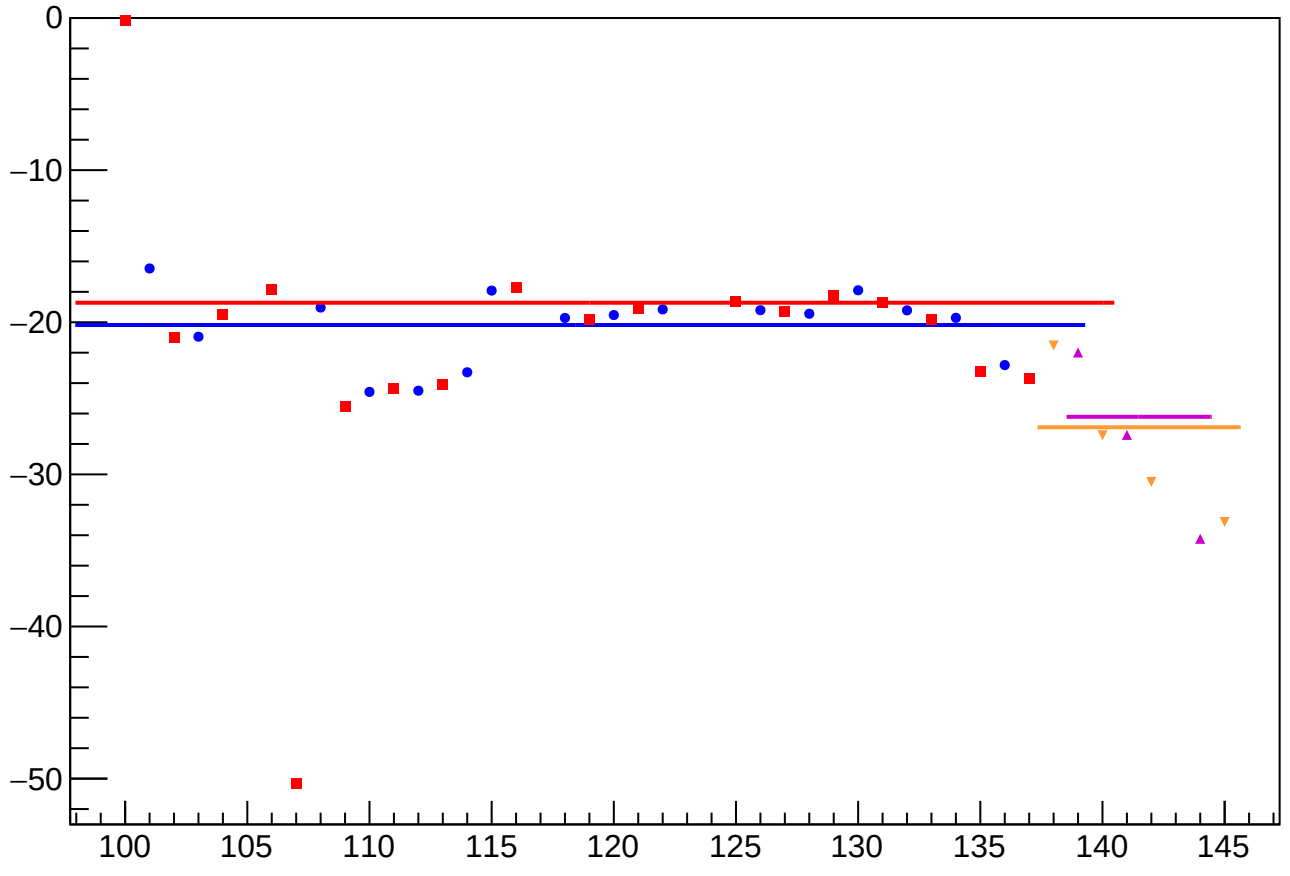
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 11.709+/-0.610 χ^2/NDF:14.1/2

\+ sign 4.051+/-0.230 χ^2/NDF: 549.6/19

All: 4.135+/-0.164 χ^2/NDF: 1108.6/40

\- sign 4.222+/-0.234 χ^2/NDF: 558.7/20



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

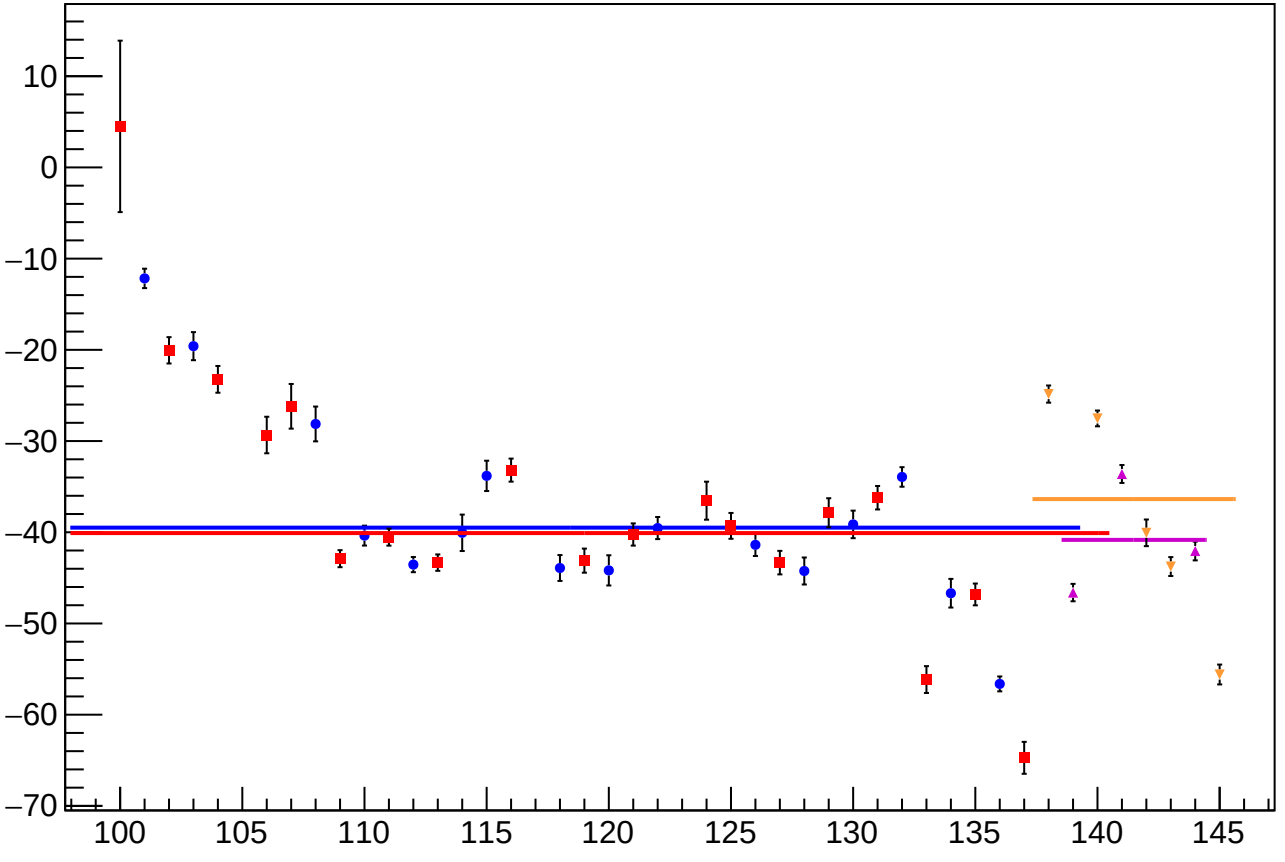
Left In: -26.215+/-0.024 χ^2/NDF:39094.3/2

+ sign -22.409+/-0.013 χ^2/NDF: 117708.7/19

All: -21.671+/-0.009 χ^2/NDF: 466739.6/40

- sign -20.942+/-0.013 χ^2/NDF: 342751.4/20

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

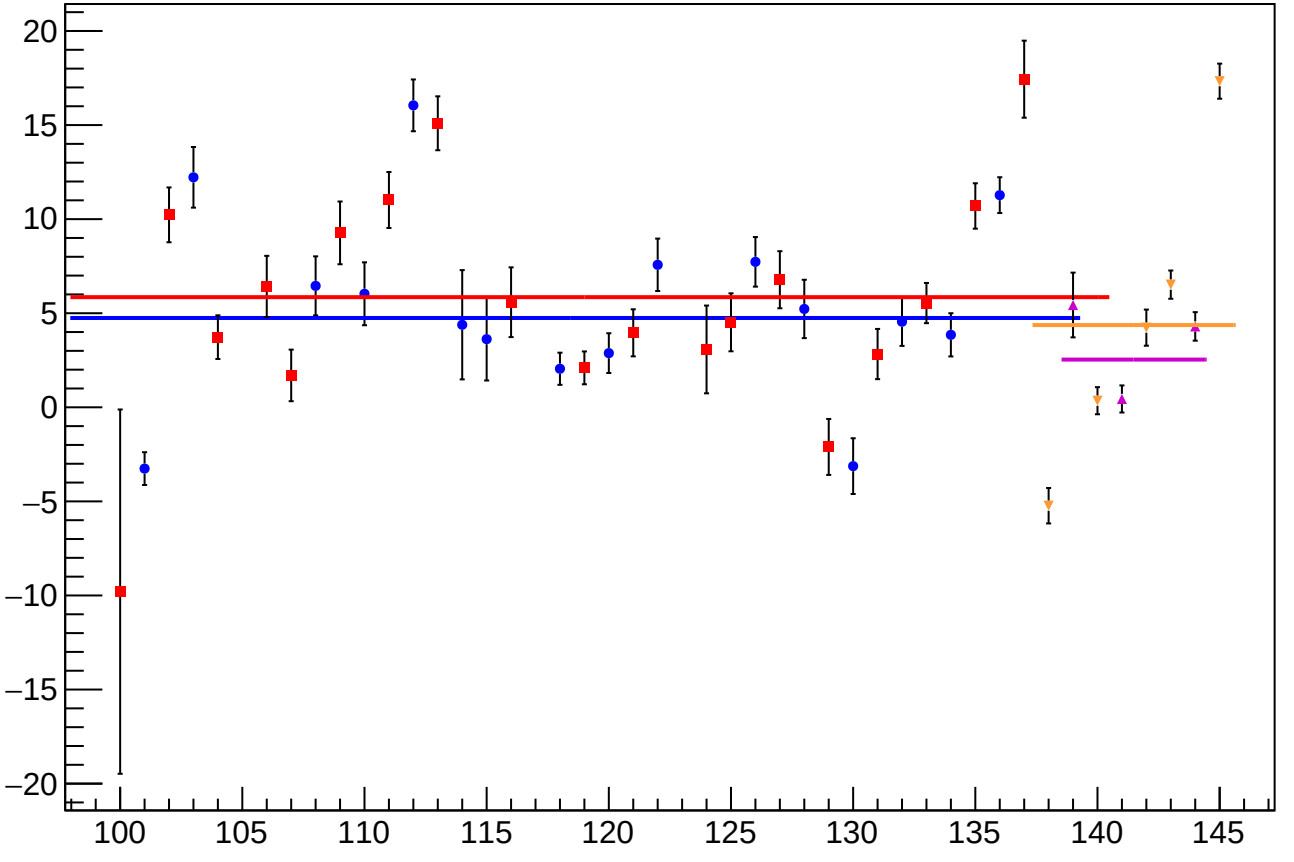
Left In: -40.835+/-0.570 χ^2/NDF:92.1/2

\+ sign -38.514+/-0.258 χ^2/NDF: 2072.6/20

All: -39.344+/-0.186 χ^2/NDF: 3022.7/42

\- sign -40.258+/-0.270 χ^2/NDF: 928.3/21

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

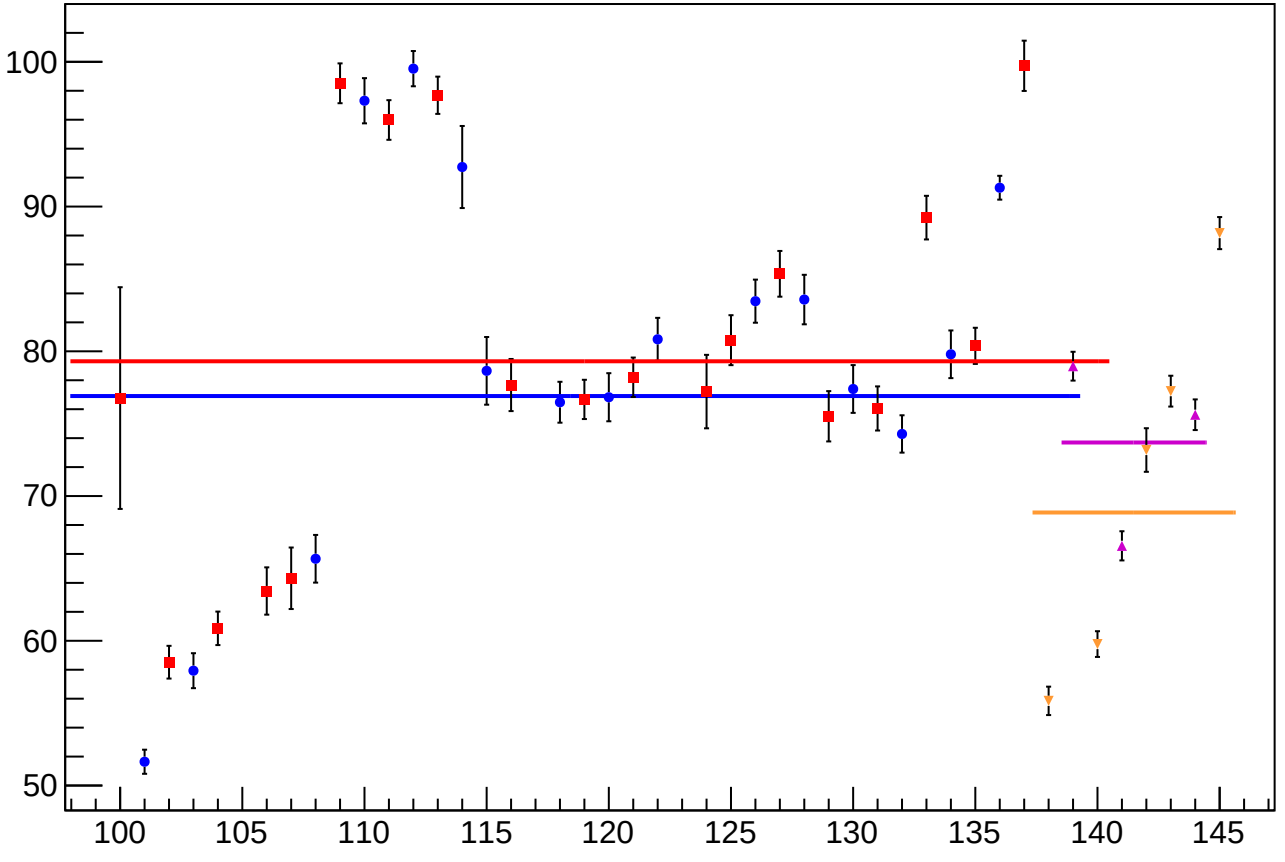
Left In: 2.536+/-0.499 χ^2/NDF:16.7/2

\+ sign 4.592+/-0.242 χ^2/NDF: 610.9/20

All: 4.716+/-0.181 χ^2/NDF: 846.9/42

\- sign 4.872+/-0.272 χ^2/NDF: 235.4/21

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

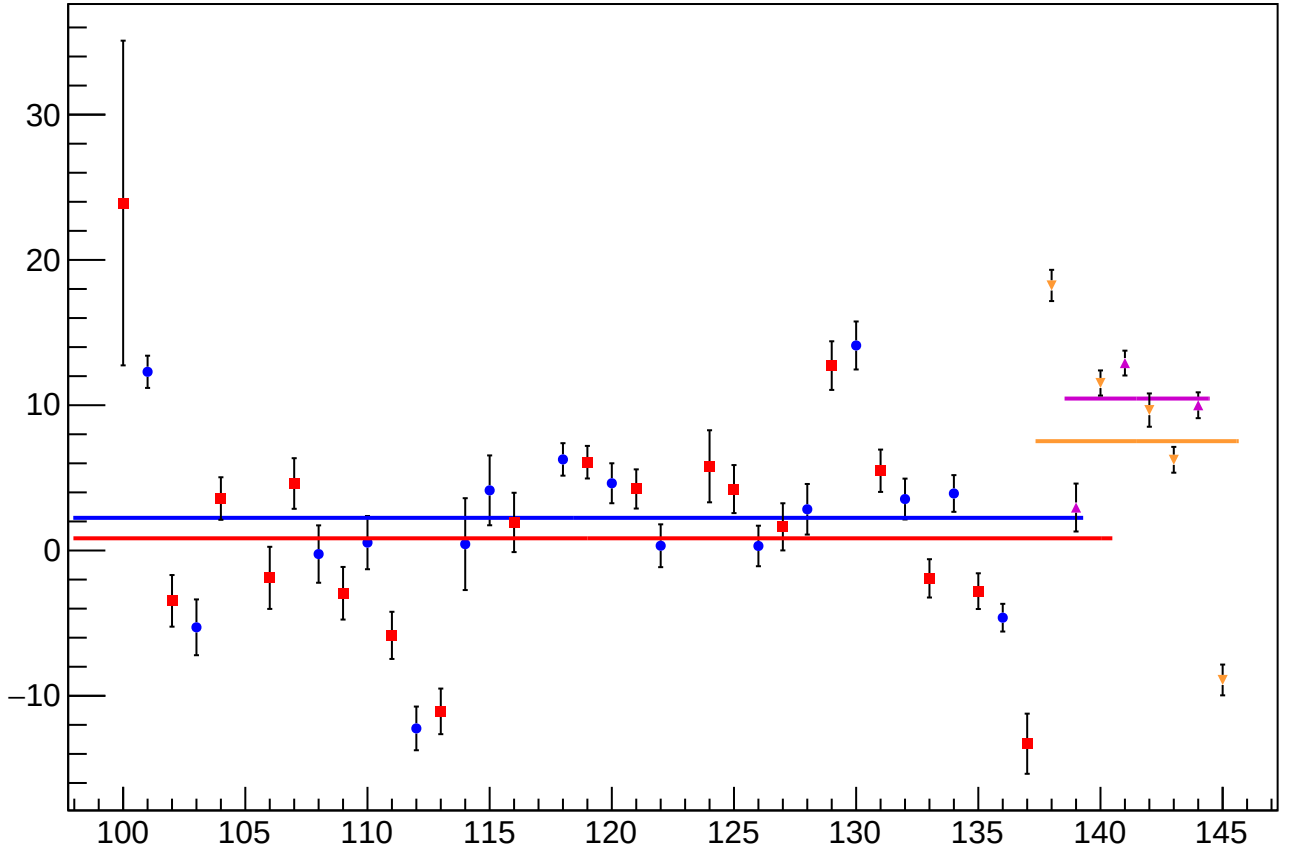
Left In: 73.699+/-0.589 χ^2/NDF:81.5/2

+ sign 74.214+/-0.275 χ^2/NDF: 2961.0/20

All: 75.879+/-0.202 χ^2/NDF: 4686.7/42

- sign 77.859+/-0.299 χ^2/NDF: 1645.2/21

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

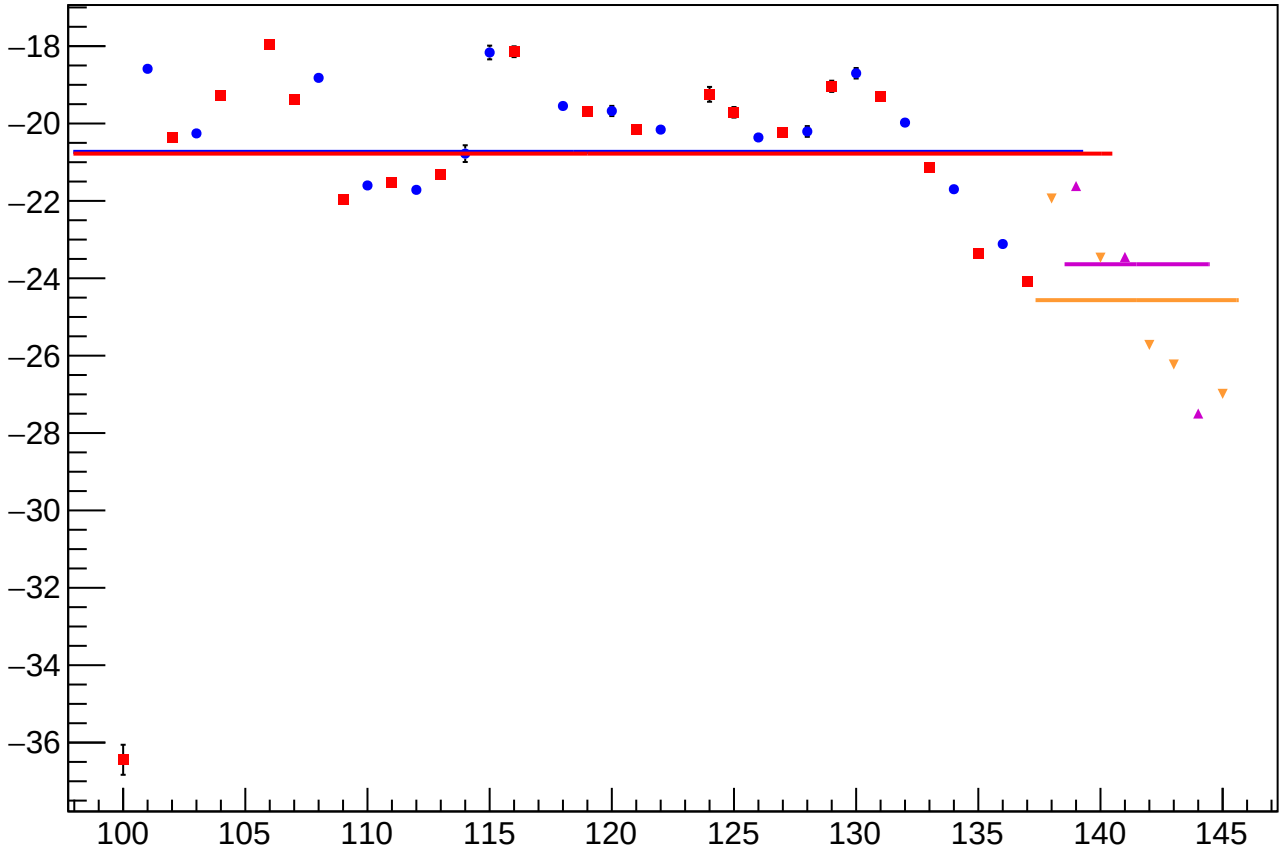
Left In: 10.458+/-0.577 χ^2/NDF:29.1/2

+ sign 4.375+/-0.281 χ^2/NDF: 771.7/20

All: 4.057+/-0.209 χ^2/NDF: 1256.0/42

- sign 3.662+/-0.313 χ^2/NDF: 481.4/21

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

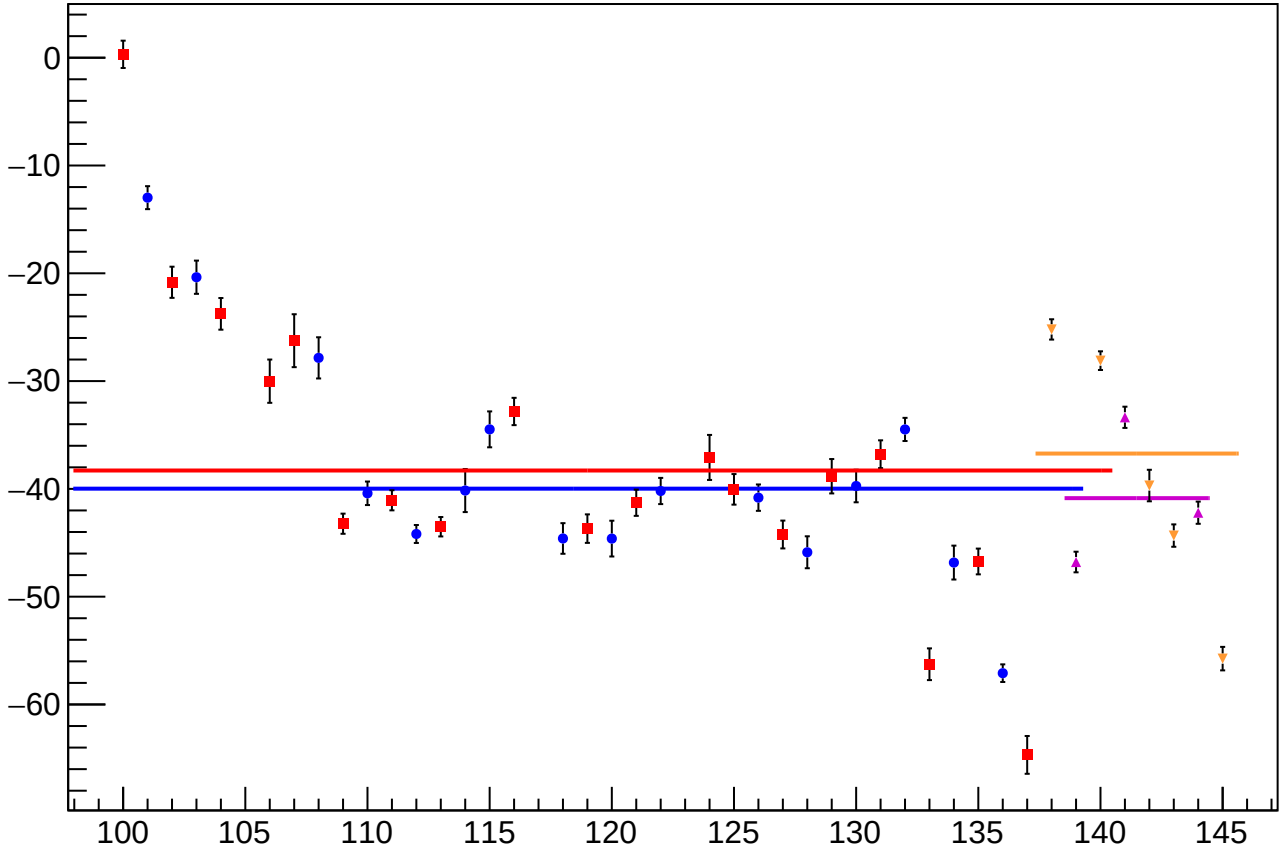
Left In: -23.637+/-0.023 χ^2/NDF:9877.5/2

+ sign -22.623+/-0.014 χ^2/NDF: 36914.8/20

All: -22.342+/-0.010 χ^2/NDF: 65692.7/42

- sign -21.998+/-0.015 χ^2/NDF: 27858.6/21

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

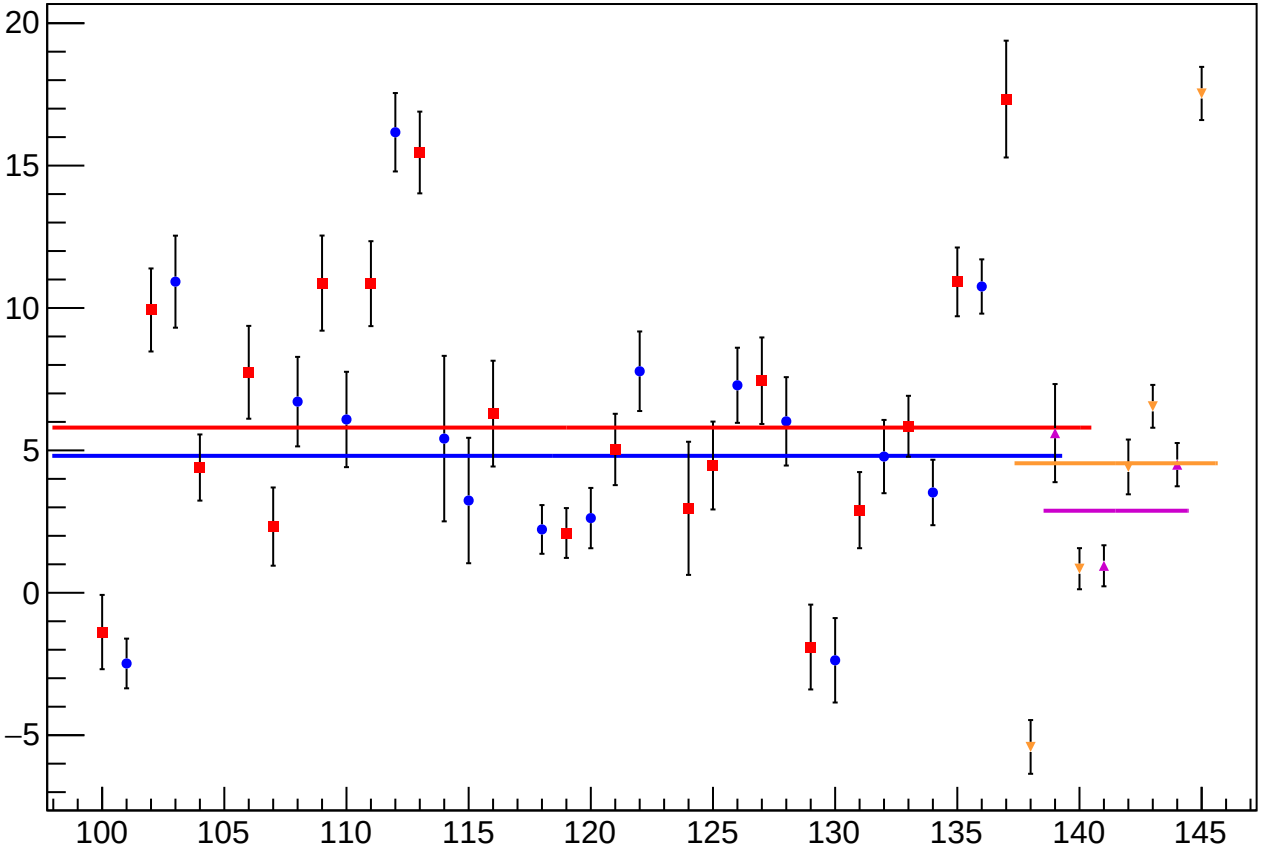
Left In: -40.860+/-0.571 χ^2/NDF:98.1/2

+ sign -38.962+/-0.258 χ^2/NDF: 2043.3/20

All: -38.906+/-0.185 χ^2/NDF: 3931.1/42

- sign -38.847+/-0.265 χ^2/NDF: 1887.7/21

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

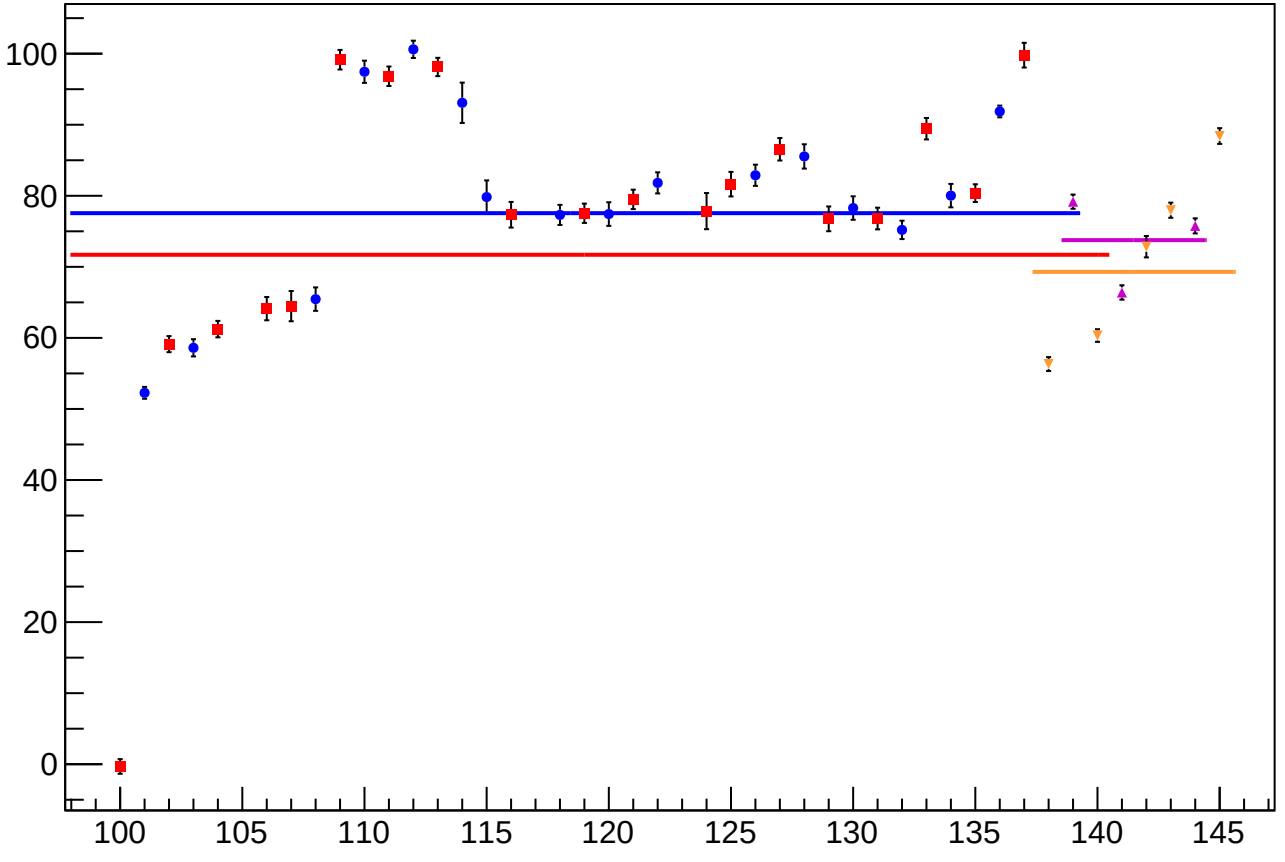
Left In: 2.881+/-0.500 χ^2/NDF:14.2/2

+ sign 4.701+/-0.242 χ^2/NDF: 579.1/20

All: 4.824+/-0.179 χ^2/NDF: 834.7/42

- sign 4.972+/-0.267 χ^2/NDF: 255.0/21

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

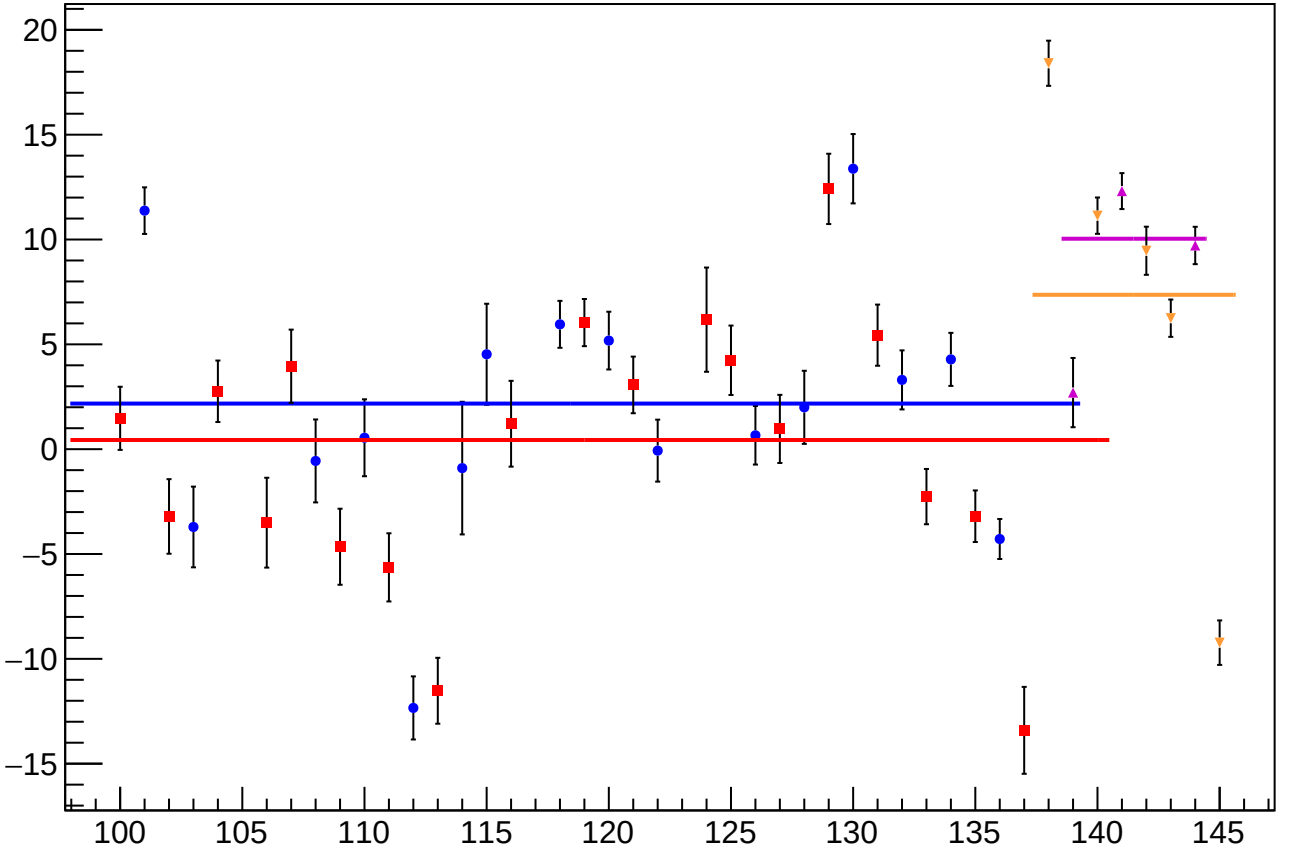
Left In: 73.758+/-0.590 χ^2/NDF:86.2/2

+ sign 74.787+/-0.275 χ^2/NDF: 2962.9/20

All: 73.549+/-0.199 χ^2/NDF: 10004.3/42

- sign 72.191+/-0.288 χ^2/NDF: 6999.0/21

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

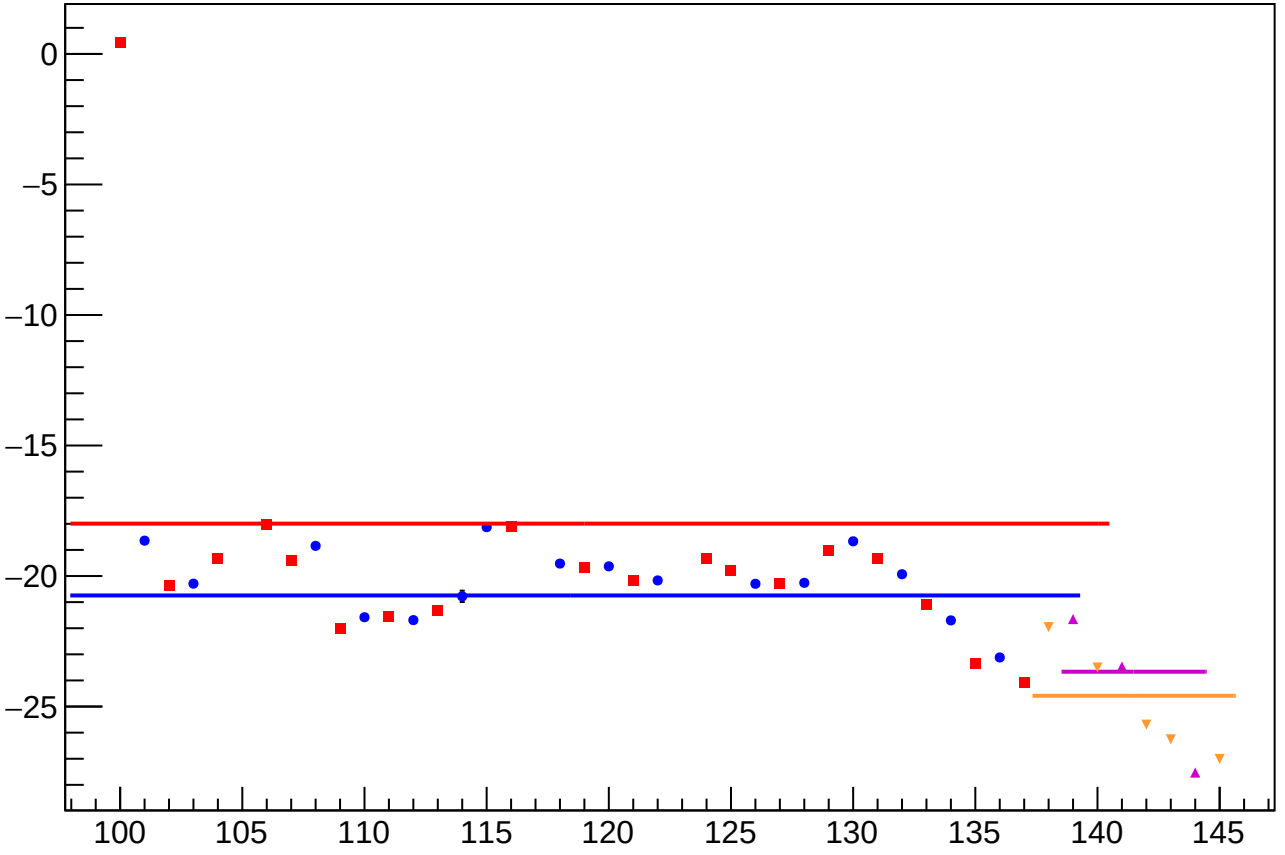
Left In: 10.038+/-0.578 χ^2/NDF:26.9/2

+ sign 4.265+/-0.281 χ^2/NDF: 746.0/20

All: 3.751+/-0.207 χ^2/NDF: 1232.3/42

- sign 3.138+/-0.307 χ^2/NDF: 479.0/21

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

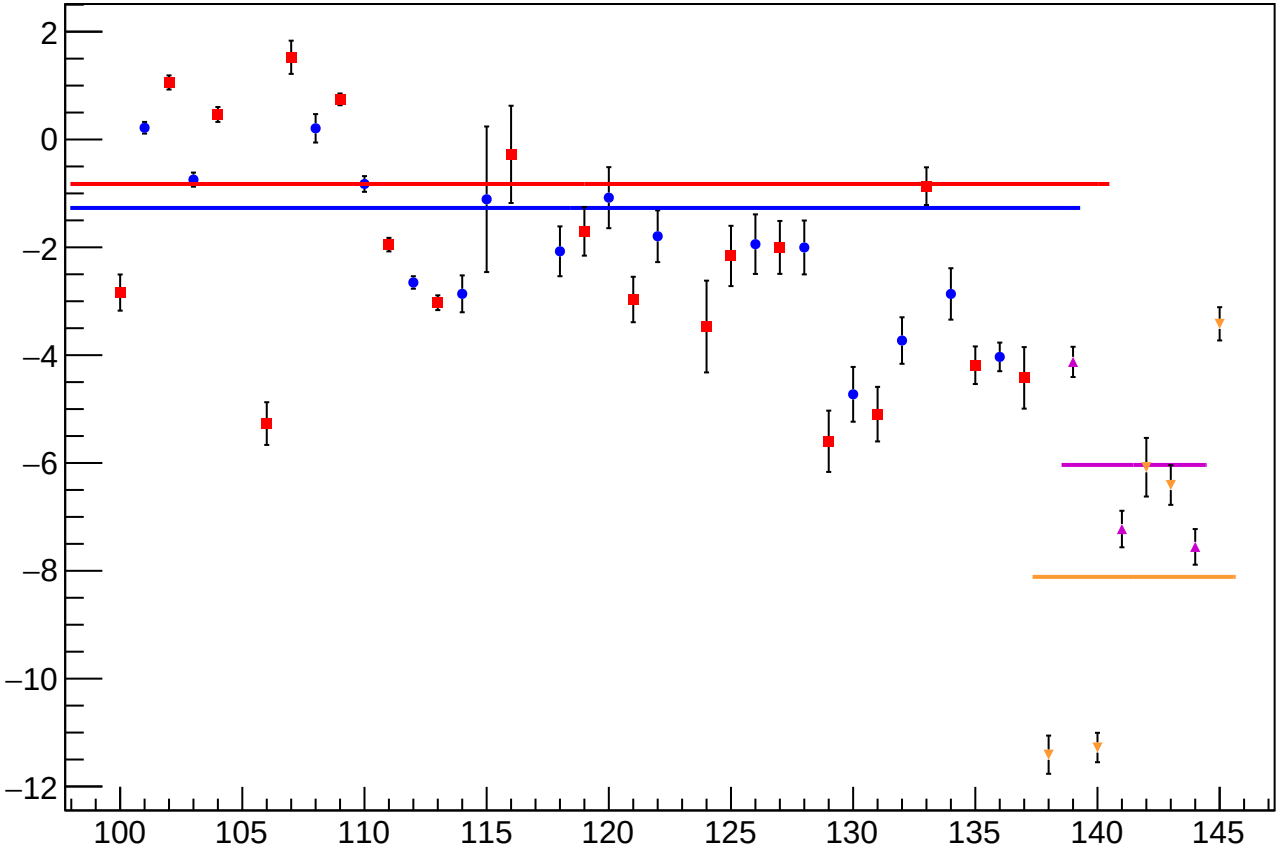
Left In: -23.666+/-0.023 χ^2/NDF:9852.6/2

+ sign -22.639+/-0.014 χ^2/NDF: 36755.7/20

All: -21.504+/-0.010 χ^2/NDF: 246993.8/42

- sign -20.224+/-0.015 χ^2/NDF: 195937.7/21

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

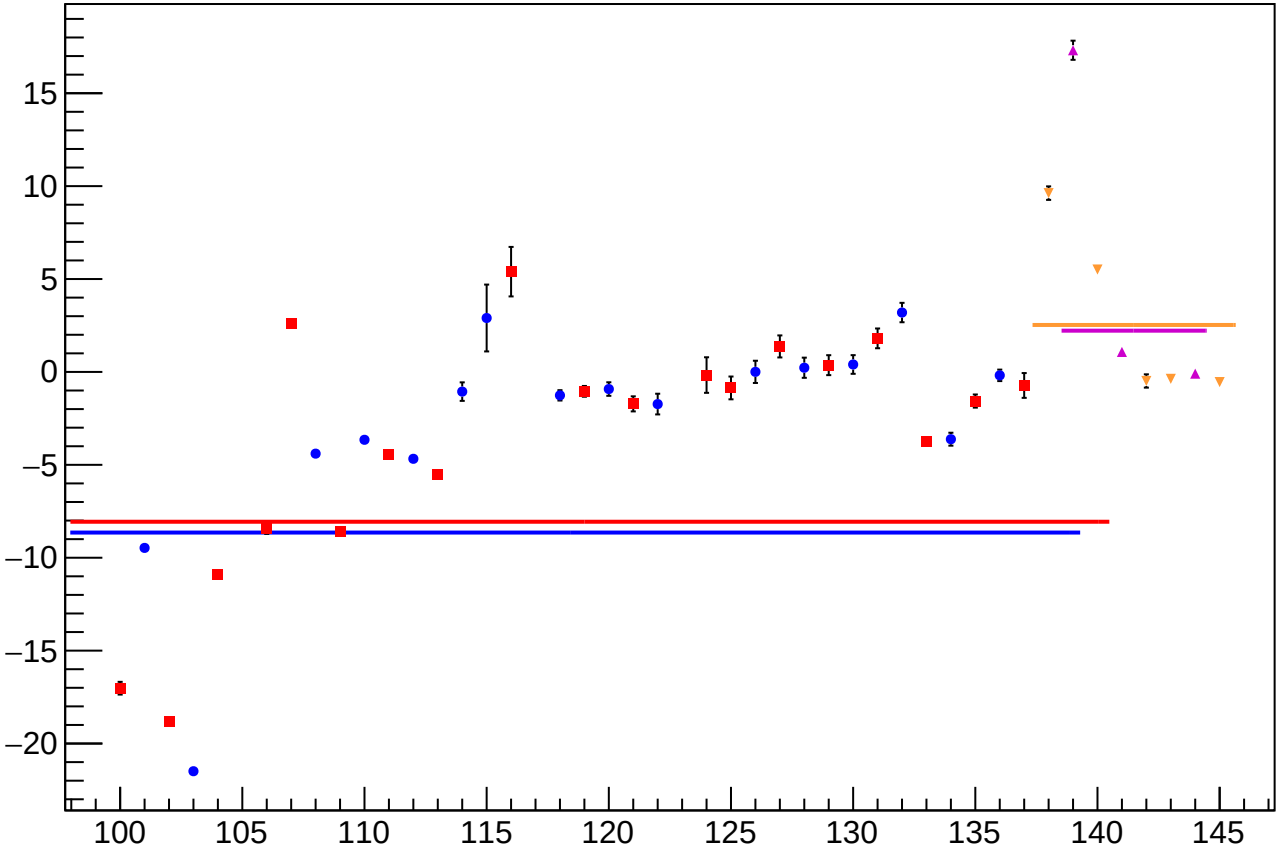
Left In: -6.036+/-0.181 χ^2/NDF:79.9/2

+ sign -2.040+/-0.051 χ^2/NDF: 2878.1/20

All: -1.606+/-0.035 χ^2/NDF: 5247.9/42

- sign -1.209+/-0.049 χ^2/NDF: 2233.2/21

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

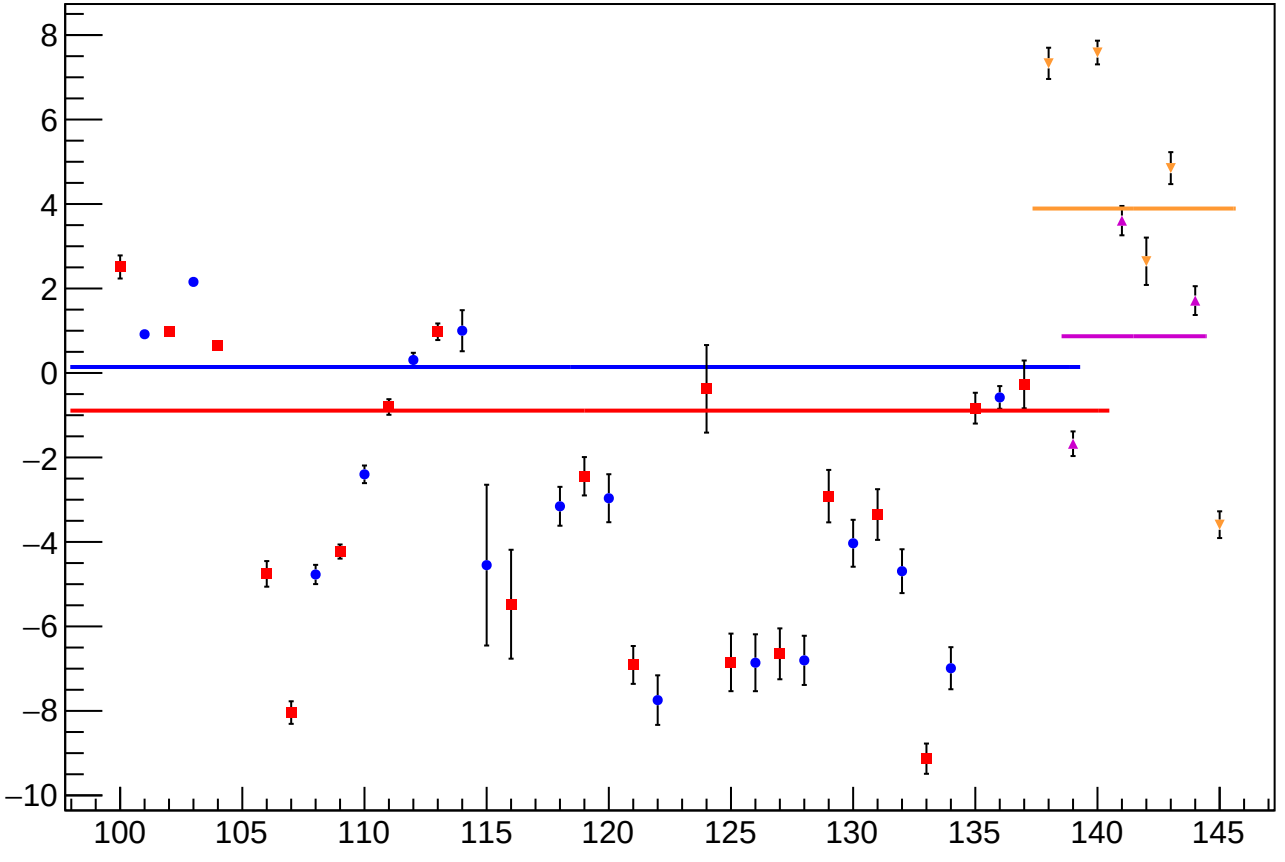
Left In: 2.221+/-0.165 χ^2/NDF:968.0/2

+ sign -6.741+/-0.052 χ^2/NDF: 21270.4/20

All: -6.843+/-0.038 χ^2/NDF: 40121.5/42

- sign -6.954+/-0.054 χ^2/NDF: 18843.1/21

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

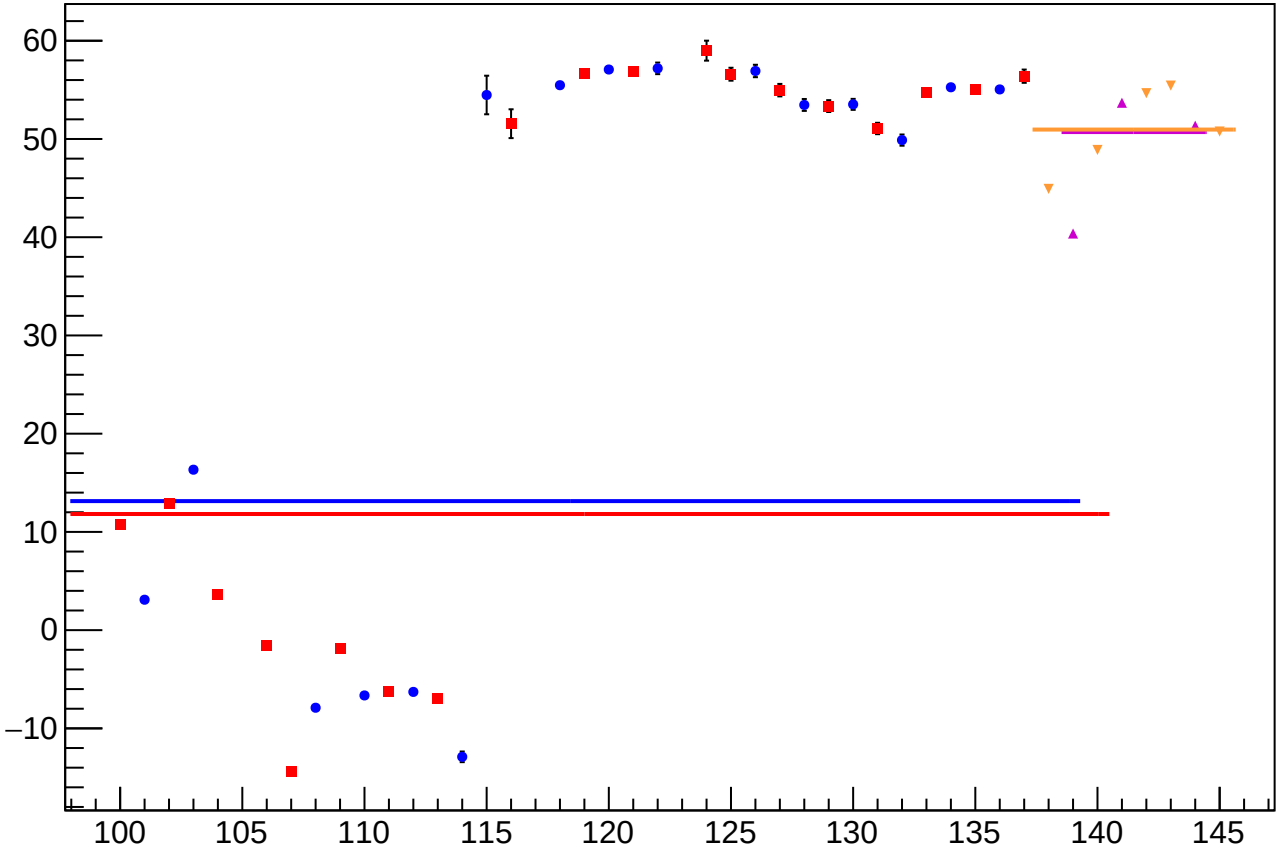
Left In: 0.870+/-0.187 χ^2/NDF:144.4/2

+ sign 0.521+/-0.050 χ^2/NDF: 3297.9/20

All: -0.101+/-0.036 χ^2/NDF: 6825.6/42

- sign -0.757+/-0.052 χ^2/NDF: 3212.1/21

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

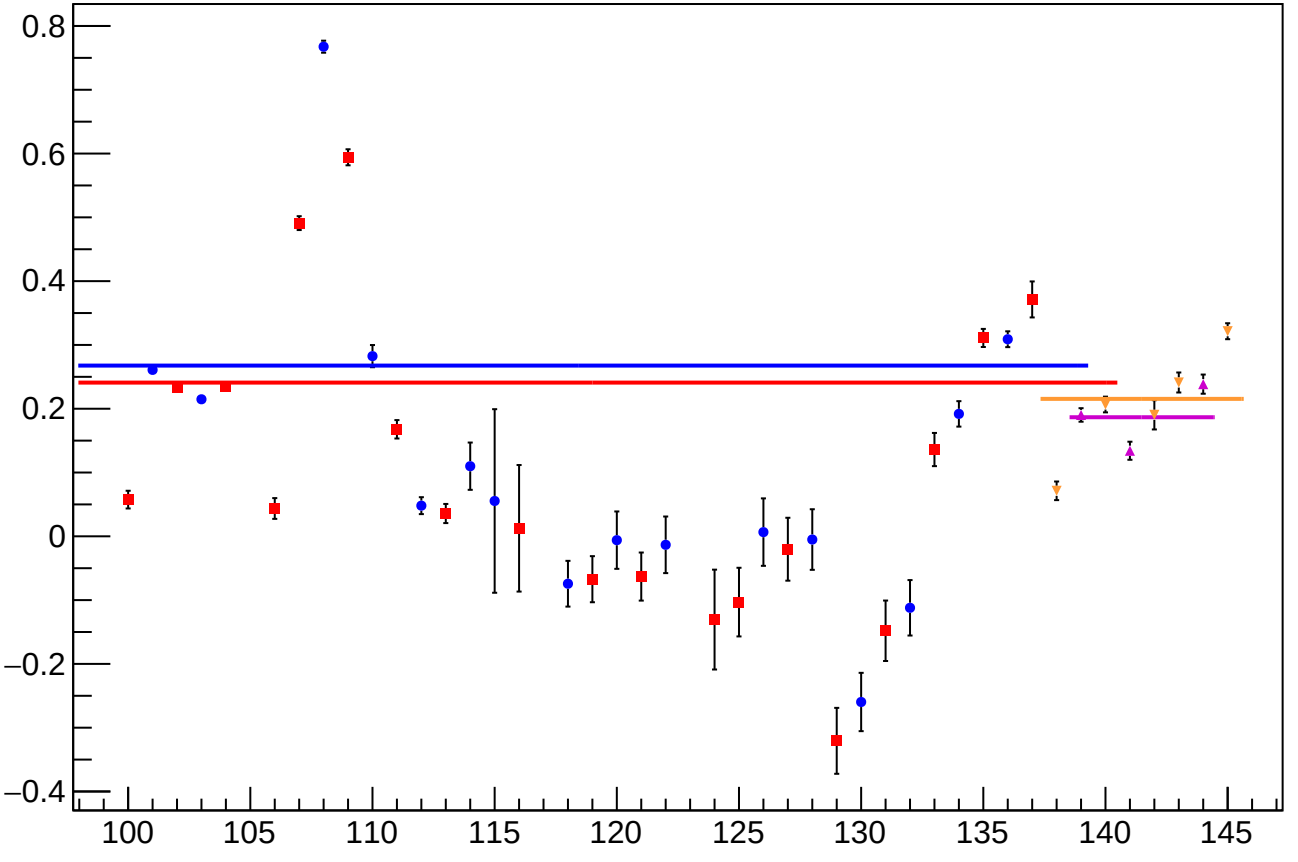
Left In: 50.705+/-0.190 χ^2/NDF:543.0/2

+ sign 19.783+/-0.062 χ^2/NDF: 163586.4/20

All: 18.065+/-0.044 χ^2/NDF: 321070.1/42

- sign 16.222+/-0.064 χ^2/NDF: 155875.8/21

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

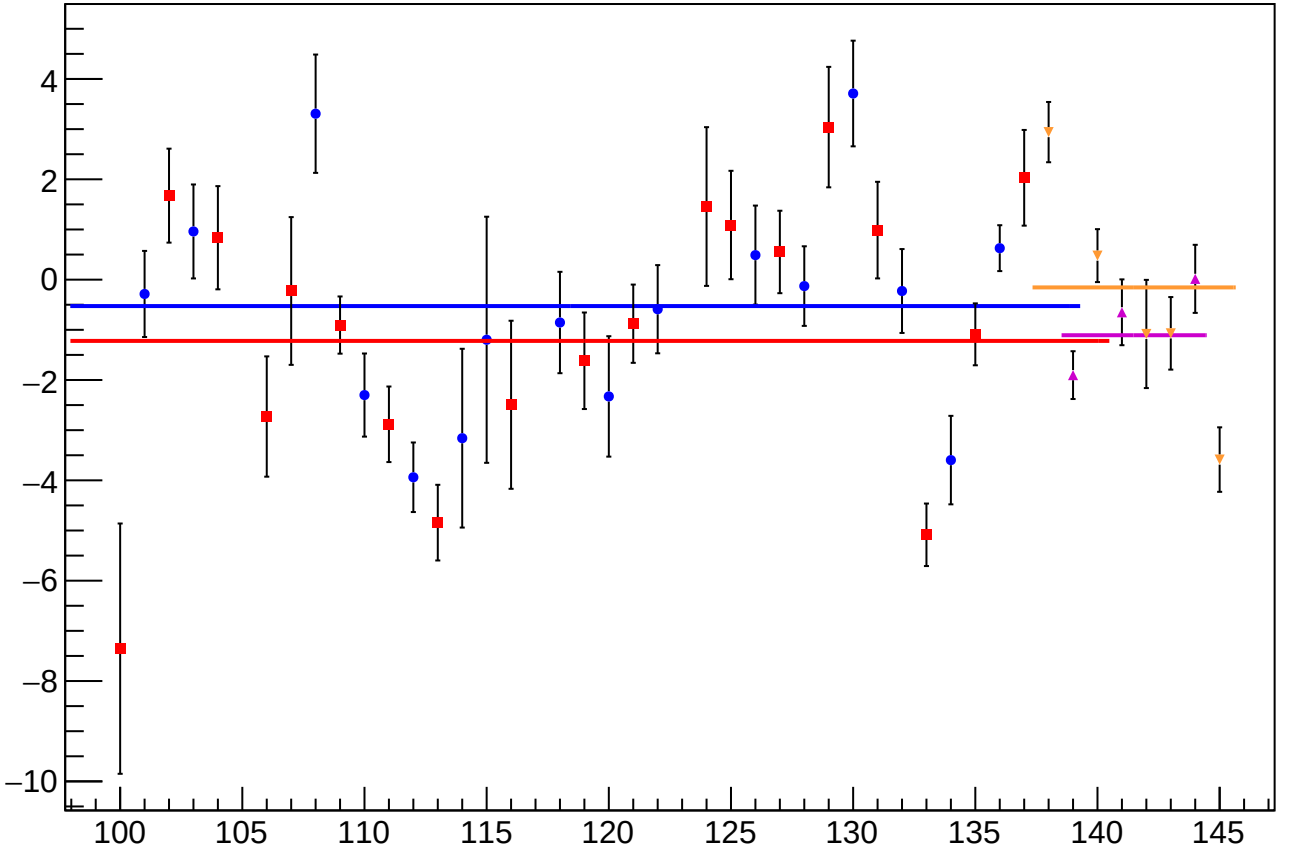
Left In: 0.187+/-0.007 χ^2/NDF:25.8/2

+ sign 0.260+/-0.003 χ^2/NDF: 3948.6/20

All: 0.247+/-0.002 χ^2/NDF: 6408.9/42

- sign 0.234+/-0.003 χ^2/NDF: 2412.5/21

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

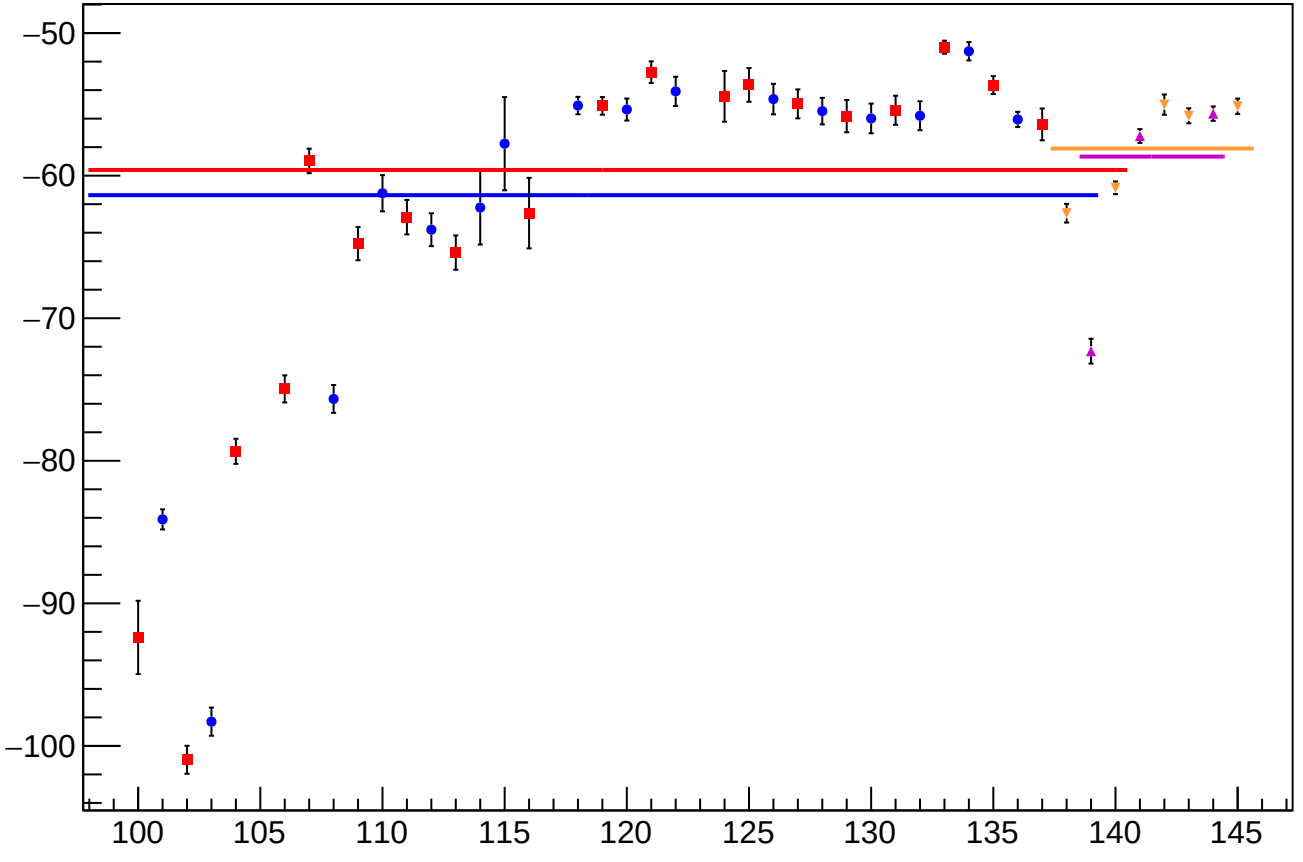
Left In: -1.108+/-0.335 χ^2/NDF:6.0/2

+ sign -0.395+/-0.175 χ^2/NDF: 142.6/20

All: -0.793+/-0.123 χ^2/NDF: 290.0/42

- sign -1.190+/-0.175 χ^2/NDF: 137.0/21

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

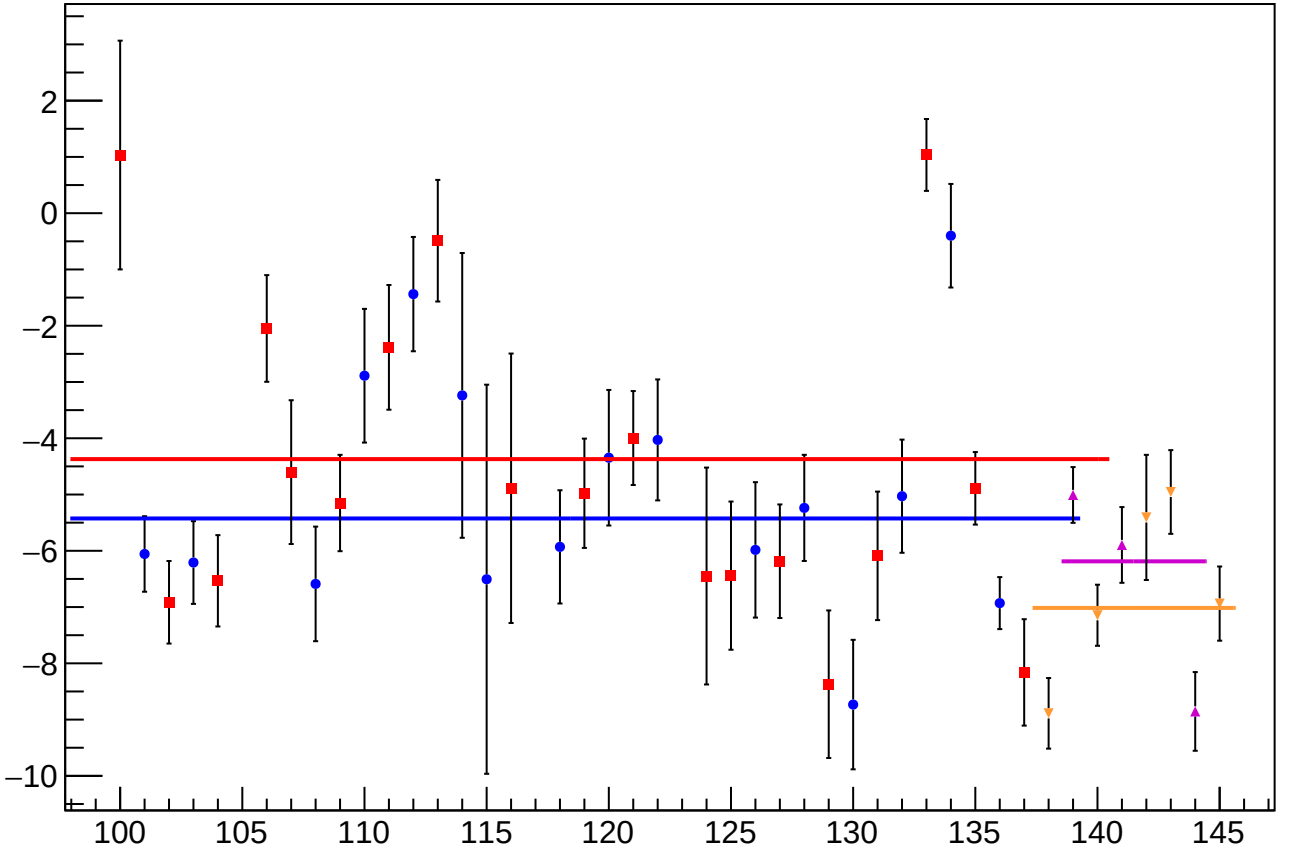
Left In: -58.662+/-0.324 χ^2/NDF:290.0/2

+ sign -59.929+/-0.164 χ^2/NDF: 3603.1/20

All: -59.648+/-0.119 χ^2/NDF: 7326.7/42

- sign -59.330+/-0.174 χ^2/NDF: 3717.3/21

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

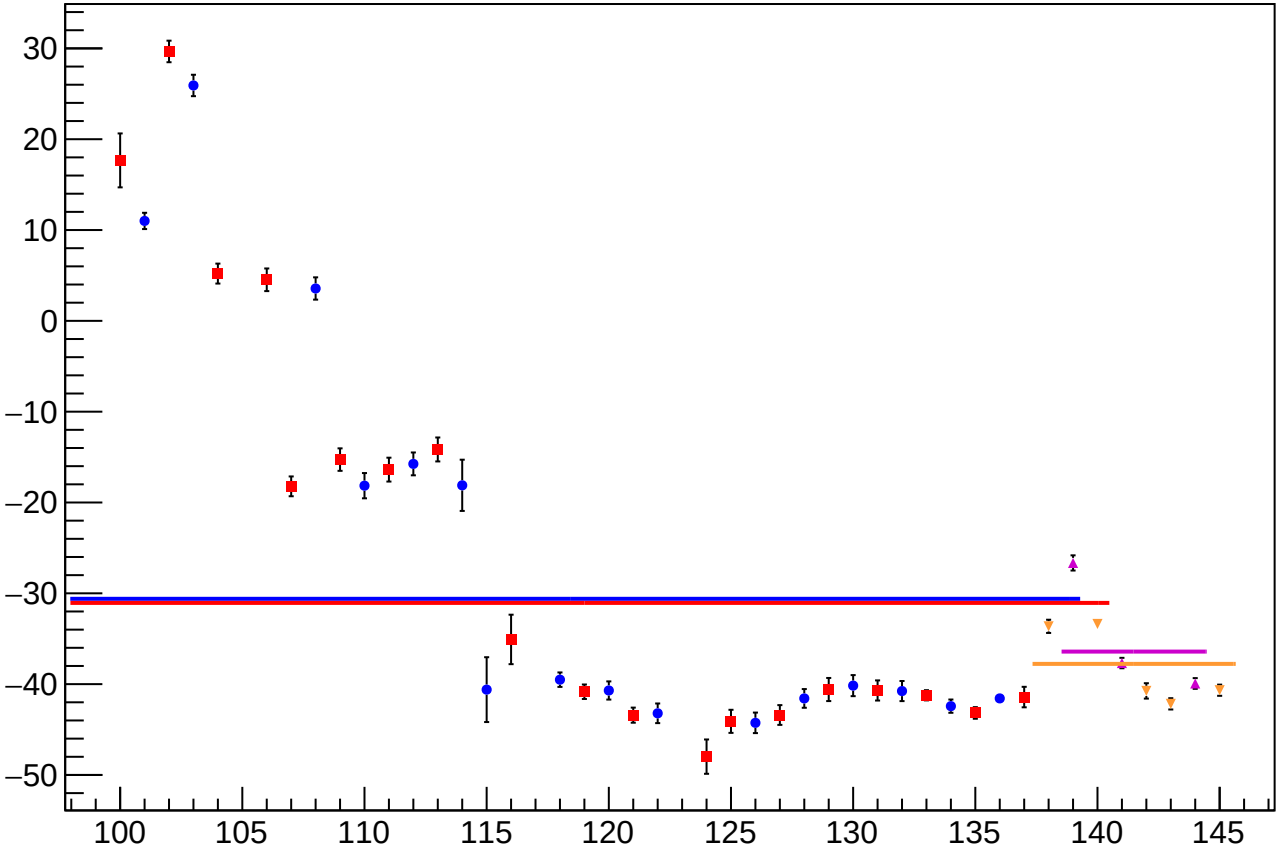
Left In: -6.187+/-0.346 χ^2/NDF:20.4/2

+ sign -6.005+/-0.183 χ^2/NDF: 112.1/20

All: -5.465+/-0.131 χ^2/NDF: 326.4/42

- sign -4.901+/-0.187 χ^2/NDF: 196.5/21

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

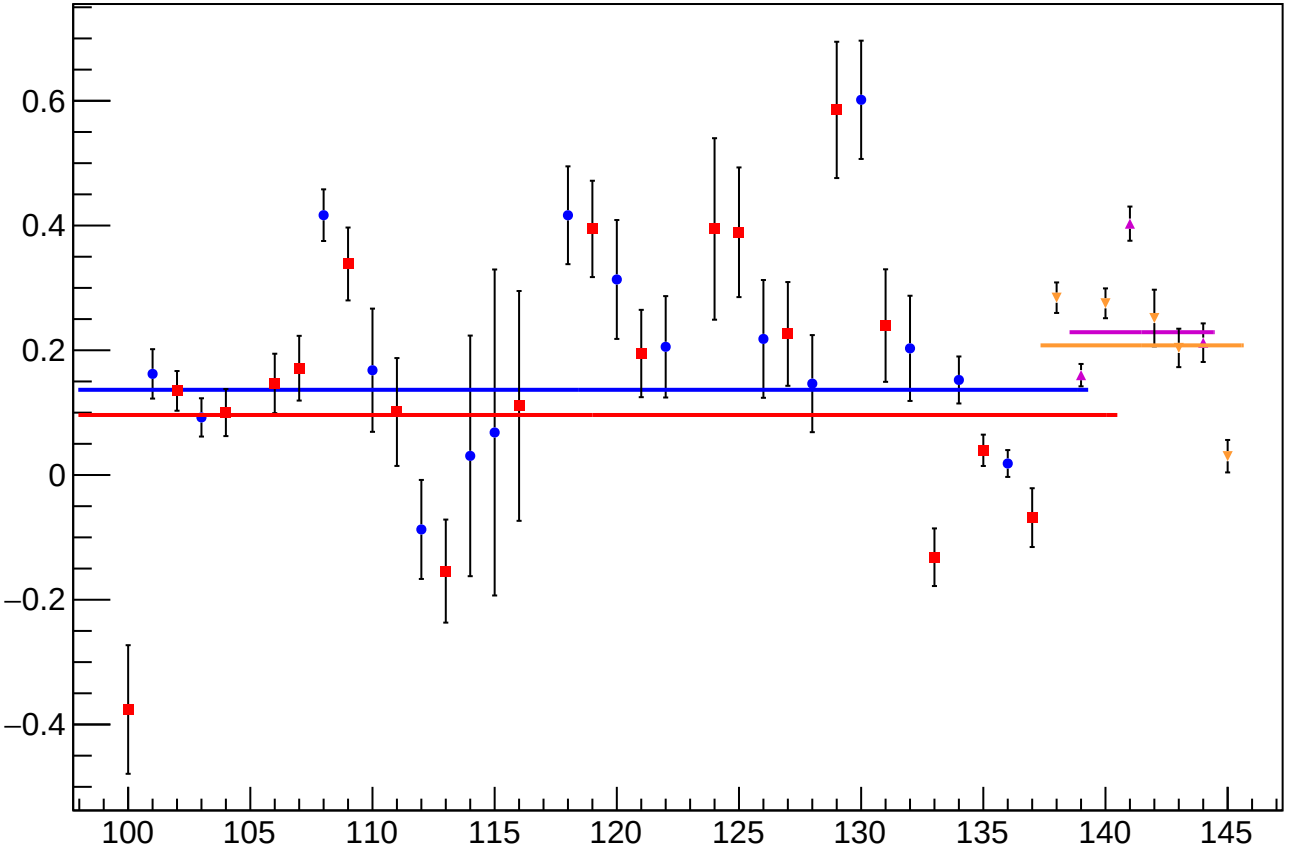
Left In: -36.417+/-0.369 χ^2/NDF:176.5/2

+ sign -33.670+/-0.189 χ^2/NDF: 7475.8/20

All: -33.180+/-0.137 χ^2/NDF: 14792.3/42

- sign -32.630+/-0.200 χ^2/NDF: 7302.2/21

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

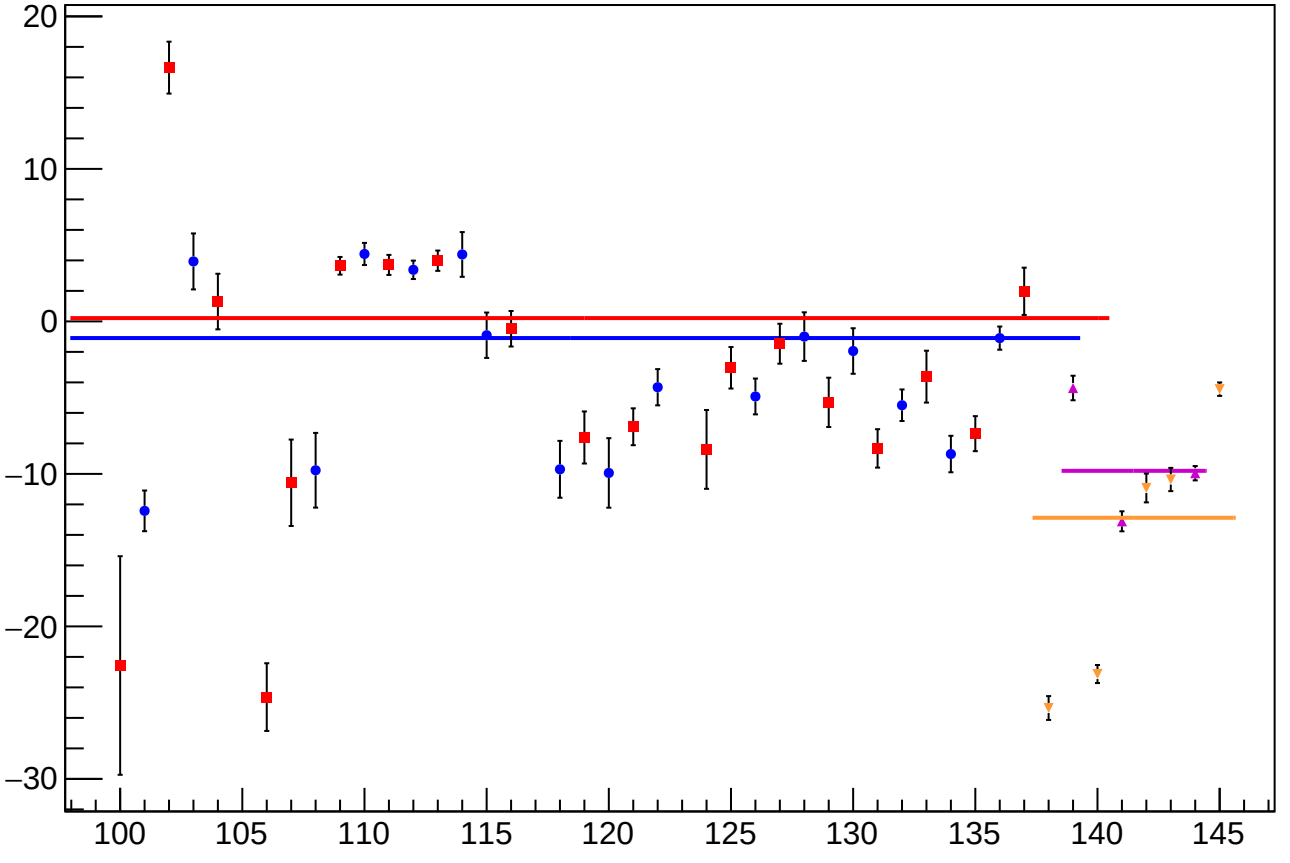
Left In: 0.229+/-0.013 χ^2/NDF:55.4/2

+ sign 0.172+/-0.009 χ^2/NDF: 210.8/20

All: 0.165+/-0.006 χ^2/NDF: 468.1/42

- sign 0.157+/-0.009 χ^2/NDF: 255.8/21

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

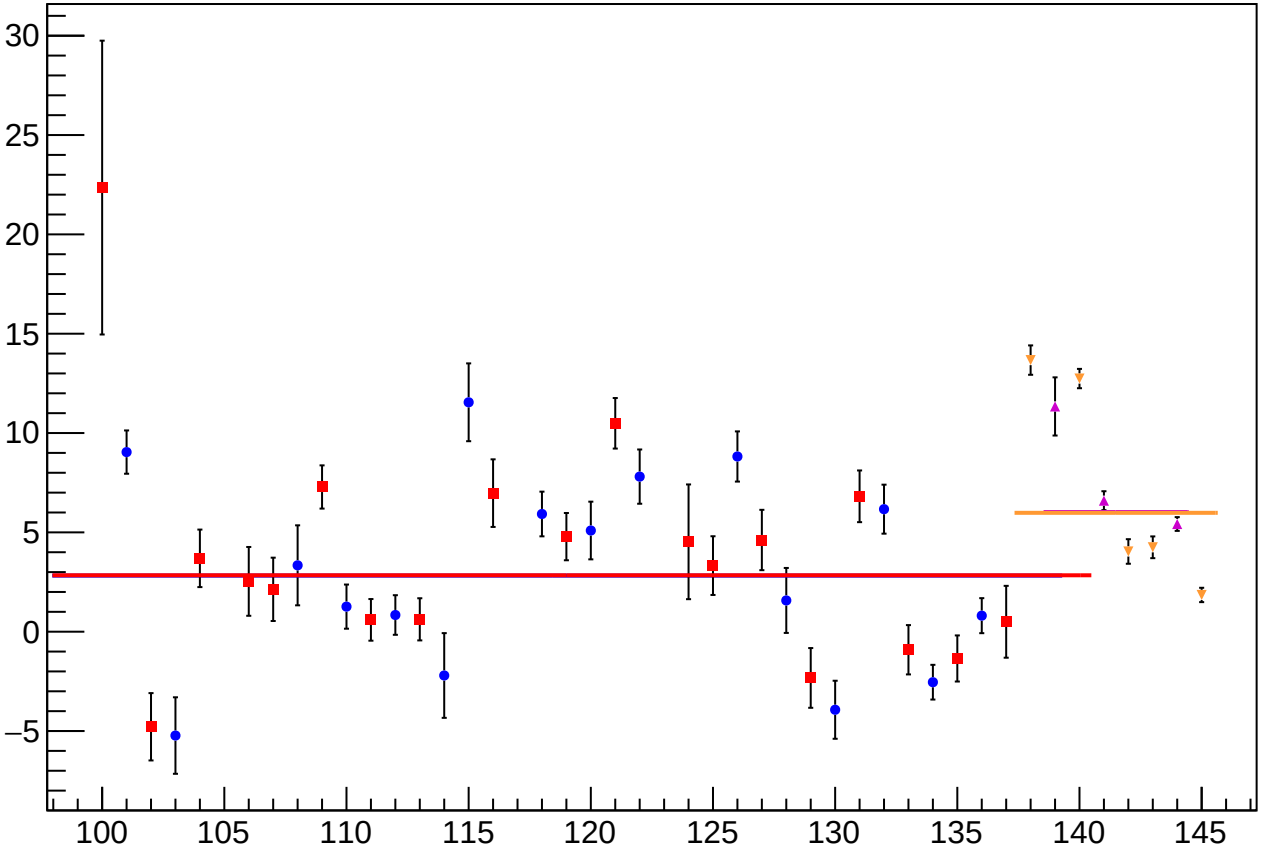
Left In: -9.799+/-0.346 χ^2/NDF:71.2/2

+ sign -6.927+/-0.199 χ^2/NDF: 2139.2/20

All: -5.316+/-0.145 χ^2/NDF: 3396.8/42

- sign -3.514+/-0.211 χ^2/NDF: 1119.3/21

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

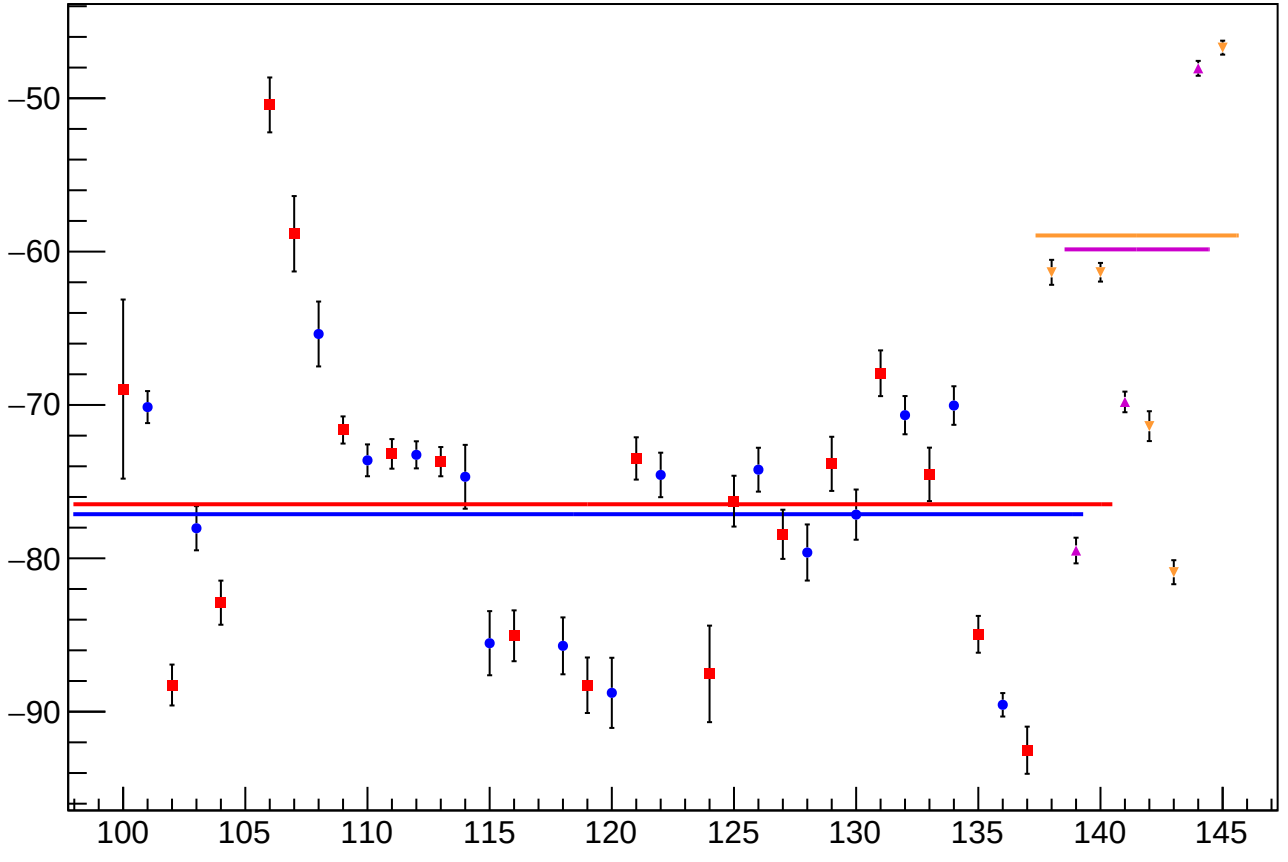
Left In: 6.024+/-0.275 χ^2/NDF:17.6/2

+ sign 4.906+/-0.183 χ^2/NDF: 718.8/20

All: 4.809+/-0.138 χ^2/NDF: 938.4/42

- sign 4.680+/-0.209 χ^2/NDF: 219.0/21

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

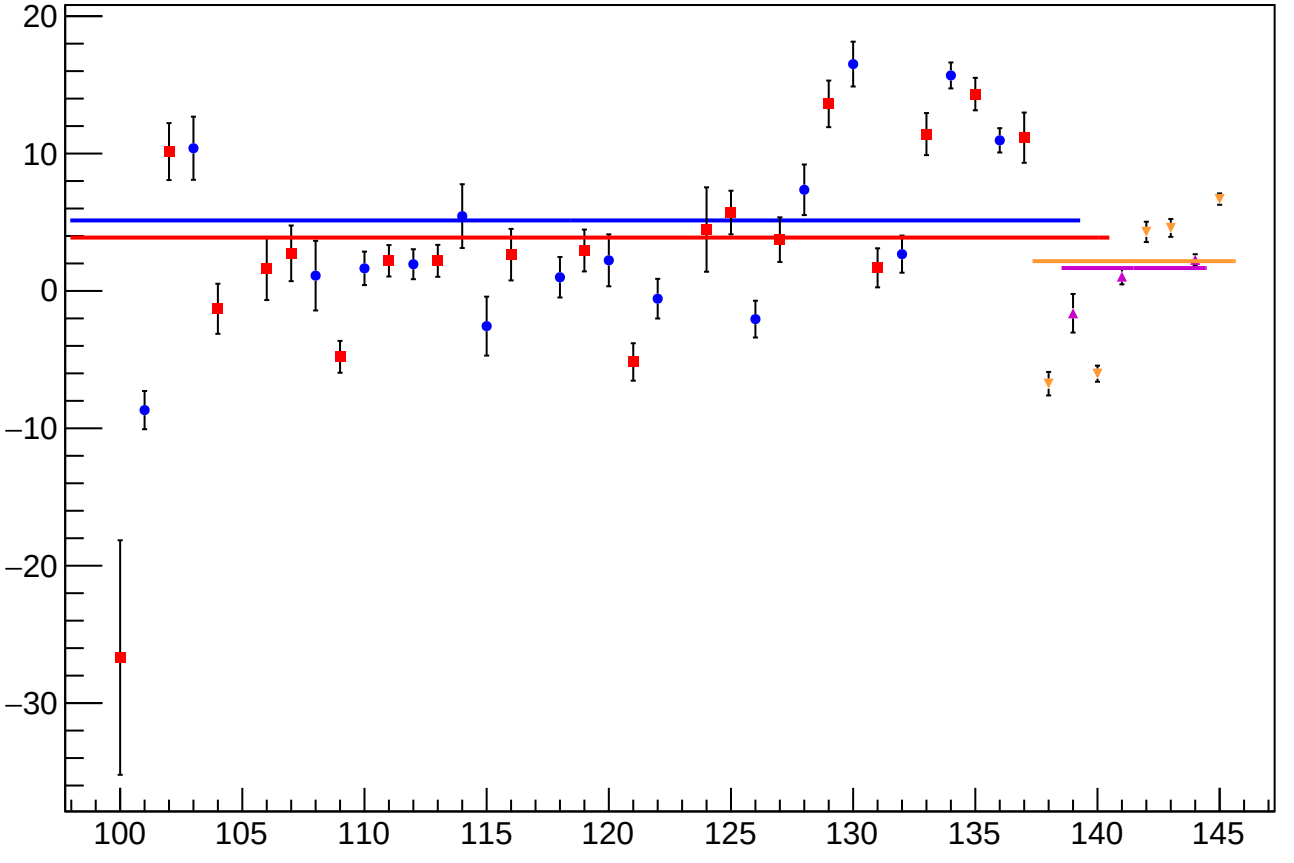
Left In: -59.855+/-0.356 χ^2/NDF:1359.8/2

+ sign -67.038+/-0.218 χ^2/NDF: 3920.9/20

All: -67.846+/-0.162 χ^2/NDF: 7183.2/42

- sign -68.840+/-0.242 χ^2/NDF: 3231.6/21

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

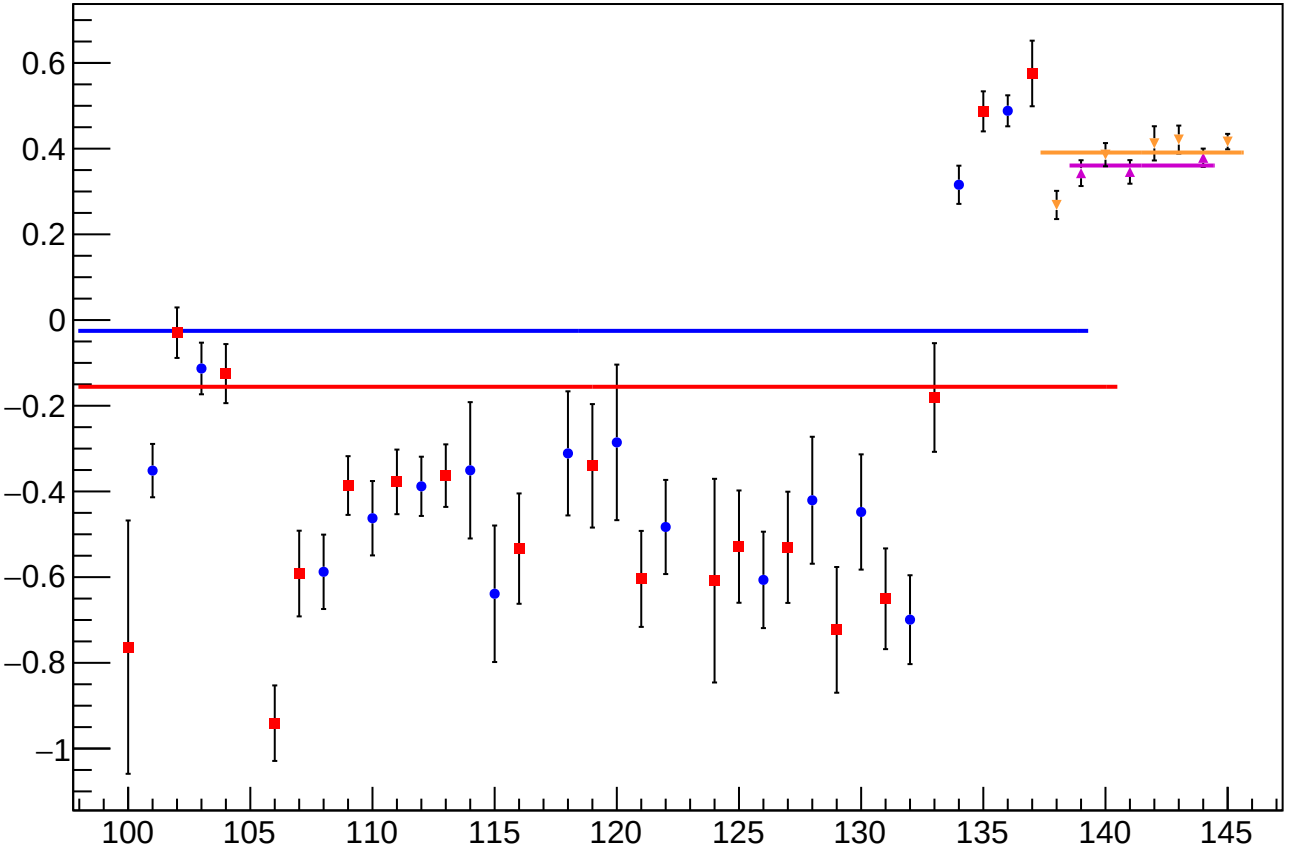
Left In: 1.667+/-0.322 χ^2/NDF:8.8/2

+ sign 3.247+/-0.211 χ^2/NDF: 903.3/20

All: 2.987+/-0.159 χ^2/NDF: 1228.1/42

- sign 2.648+/-0.240 χ^2/NDF: 321.3/21

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

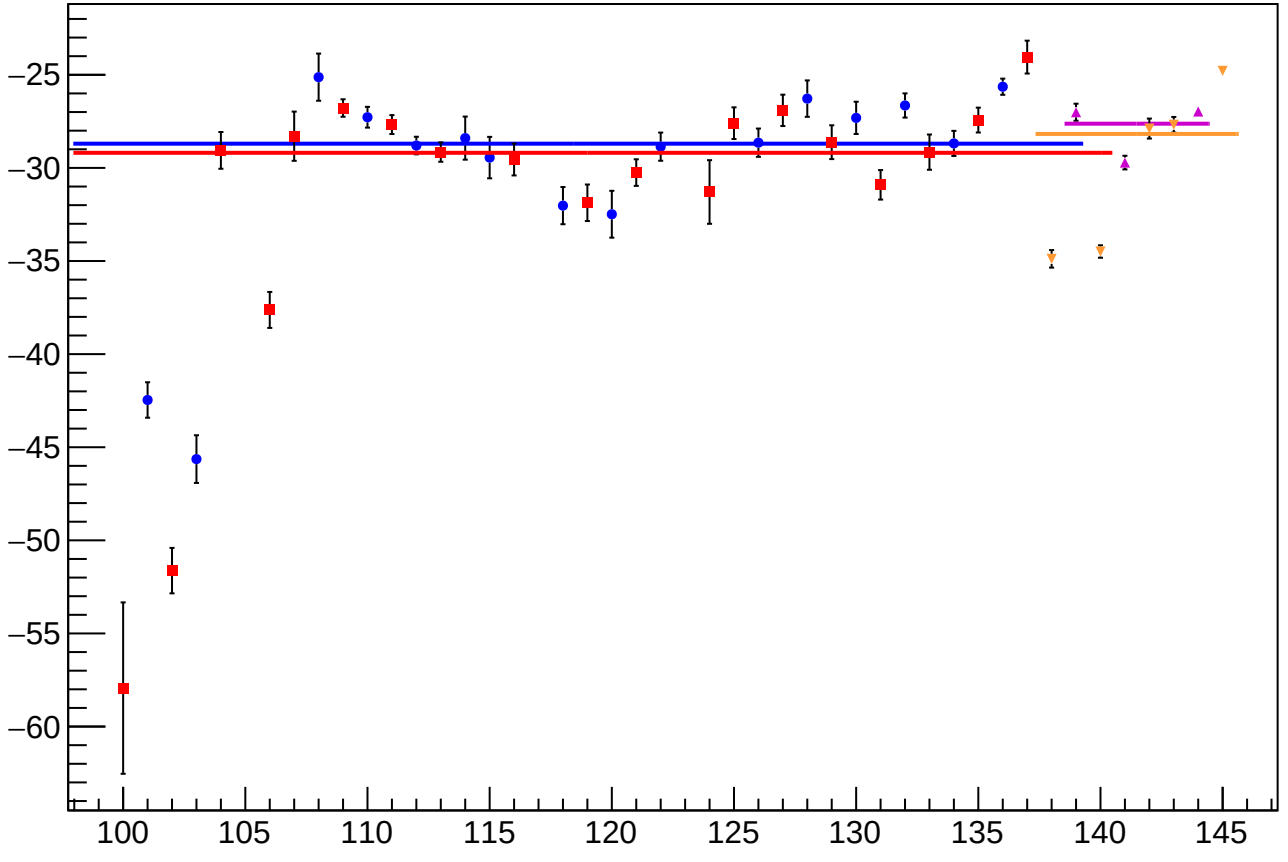
Left In: 0.361+/-0.015 χ^2/NDF:1.4/2

+ sign 0.271+/-0.010 χ^2/NDF: 873.4/20

All: 0.233+/-0.008 χ^2/NDF: 1828.7/42

- sign 0.181+/-0.012 χ^2/NDF: 922.2/21

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

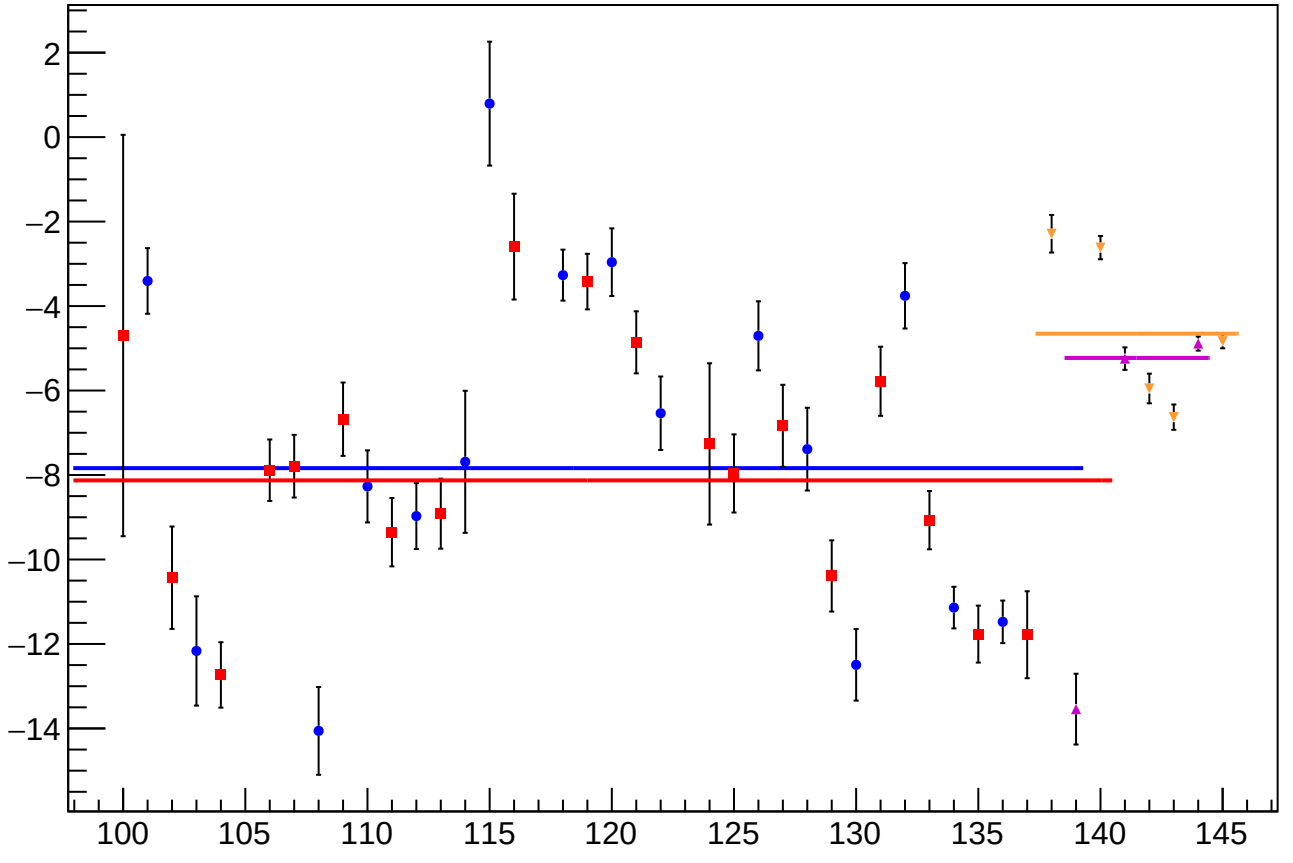
Left In: -27.626+/-0.178 χ^2/NDF:42.4/2

+ sign -28.375+/-0.115 χ^2/NDF: 1331.9/20

All: -28.384+/-0.085 χ^2/NDF: 1969.5/42

- sign -28.395+/-0.127 χ^2/NDF: 637.6/21

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

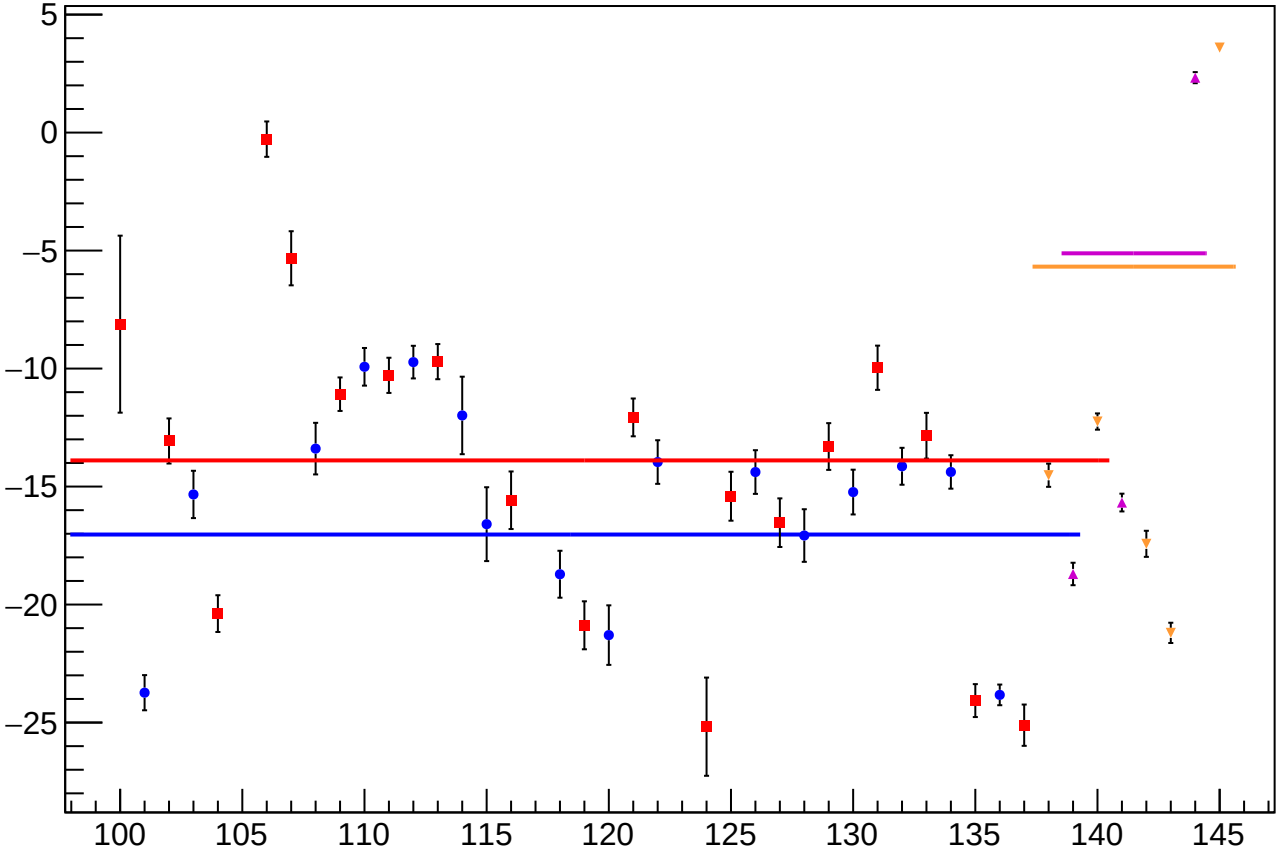
Left In: -5.228+/-0.140 χ^2/NDF:102.5/2

+ sign -5.496+/-0.100 χ^2/NDF: 720.7/20

All: -5.805+/-0.075 χ^2/NDF: 1186.3/42

- sign -6.205+/-0.114 χ^2/NDF: 443.9/21

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

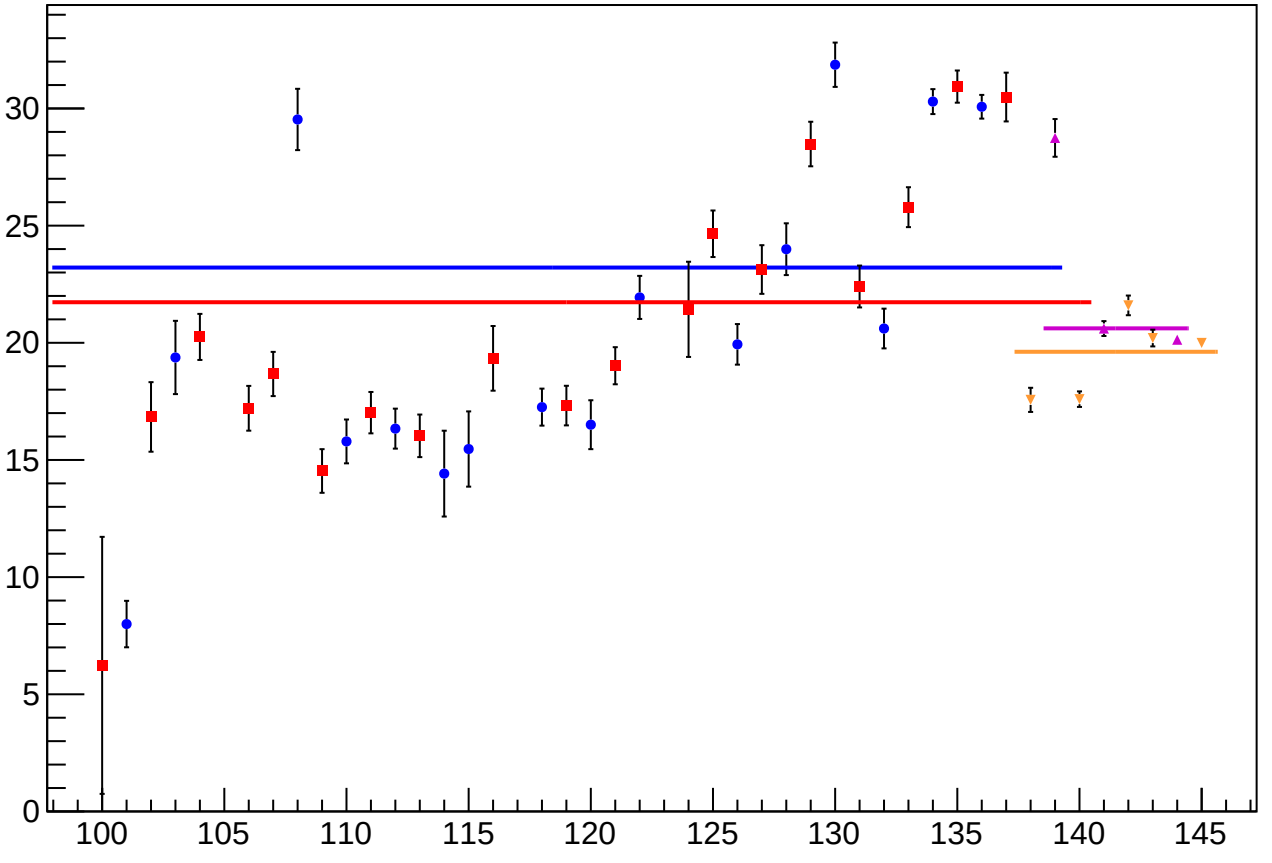
Left In: -5.116+/-0.184 χ^2/NDF:2604.8/2

+ sign -9.534+/-0.122 χ^2/NDF: 6979.5/20

All: -9.274+/-0.091 χ^2/NDF: 11603.8/42

- sign -8.940+/-0.138 χ^2/NDF: 4614.0/21

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

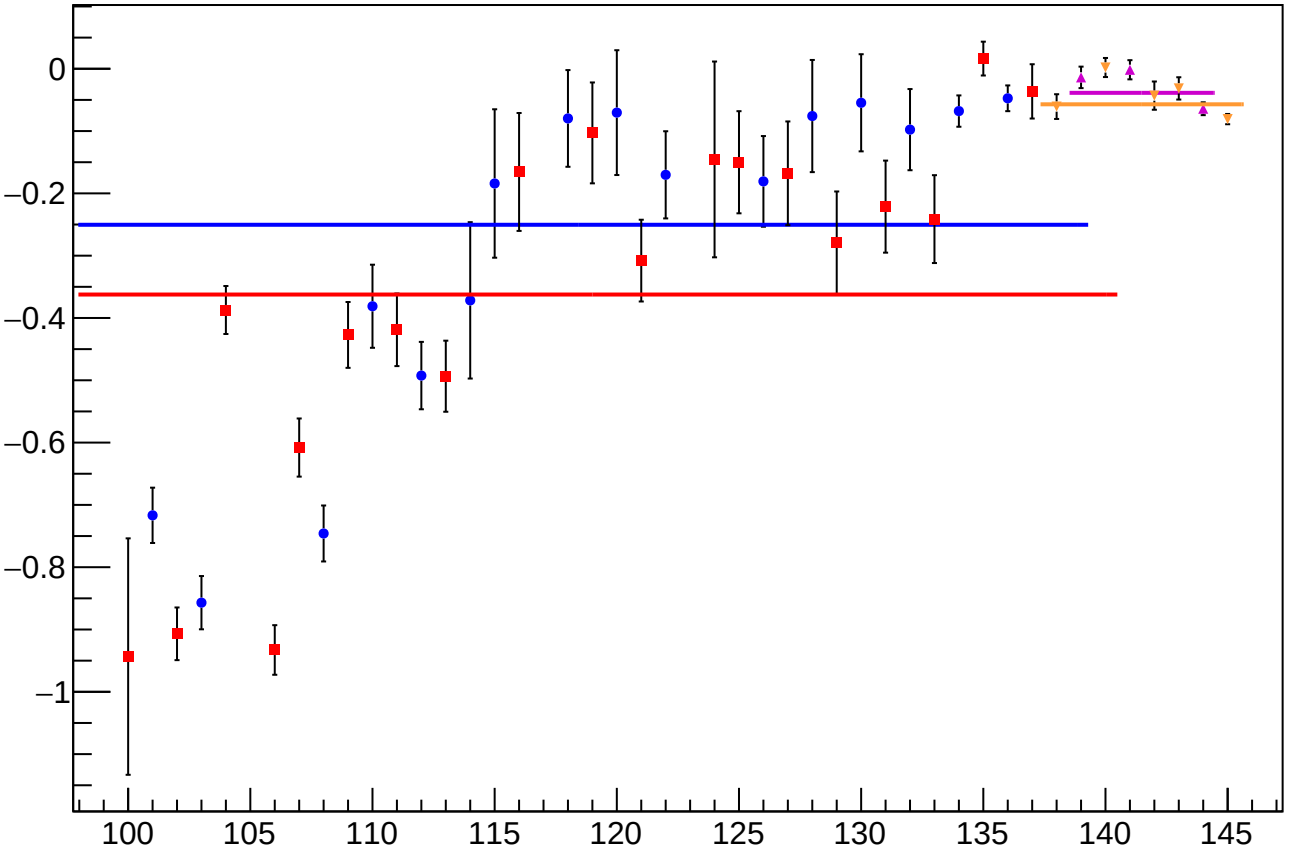
Left In: 20.616+/-0.164 χ^2/NDF:108.0/2

+ sign 20.629+/-0.116 χ^2/NDF: 1285.2/20

All: 20.791+/-0.087 χ^2/NDF: 1972.1/42

- sign 21.005+/-0.132 χ^2/NDF: 682.4/21

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

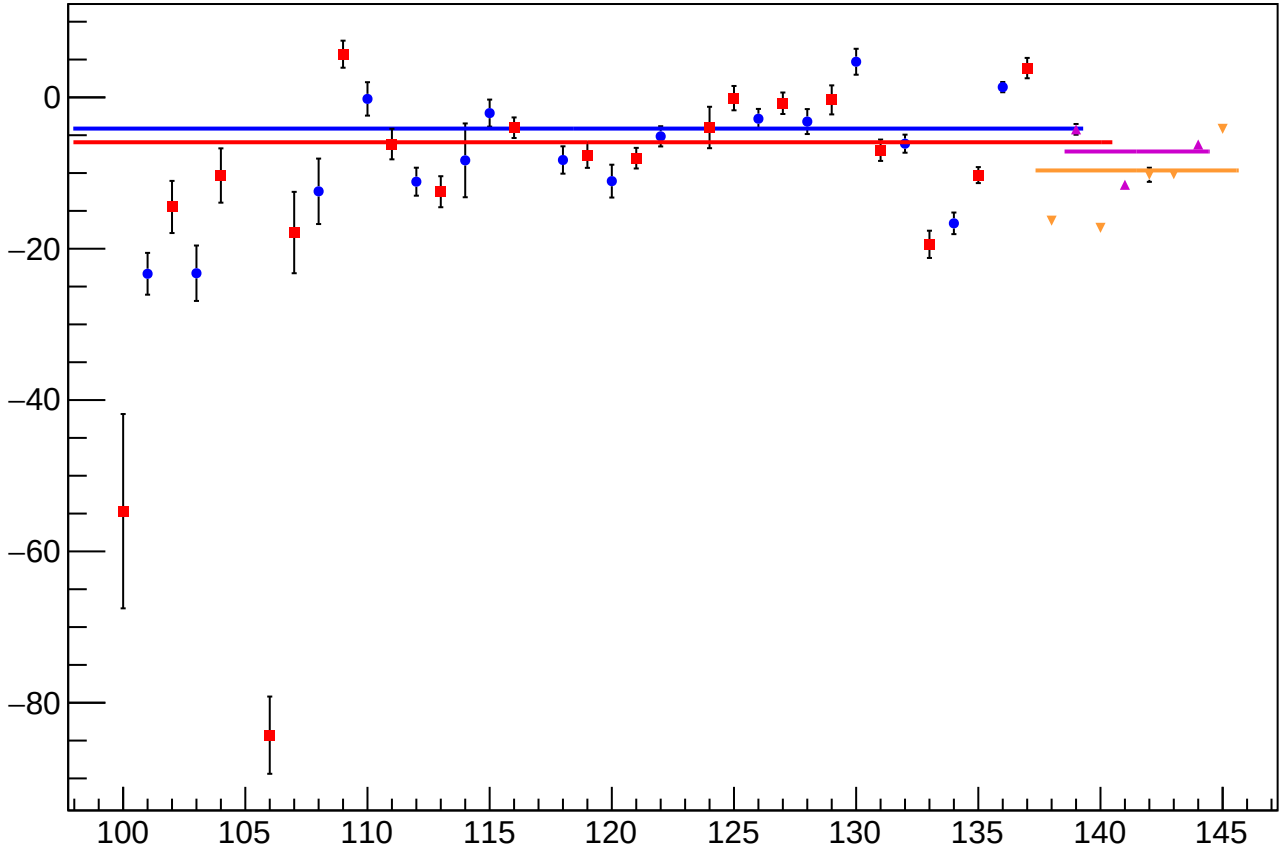
Left In: -0.039+/-0.008 χ^2/NDF:14.0/2

+ sign -0.099+/-0.005 χ^2/NDF: 874.6/20

All: -0.111+/-0.004 χ^2/NDF: 2101.1/42

- sign -0.129+/-0.007 χ^2/NDF: 1214.2/21

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -9.656+/-0.247 χ^2/NDF:511.8/4

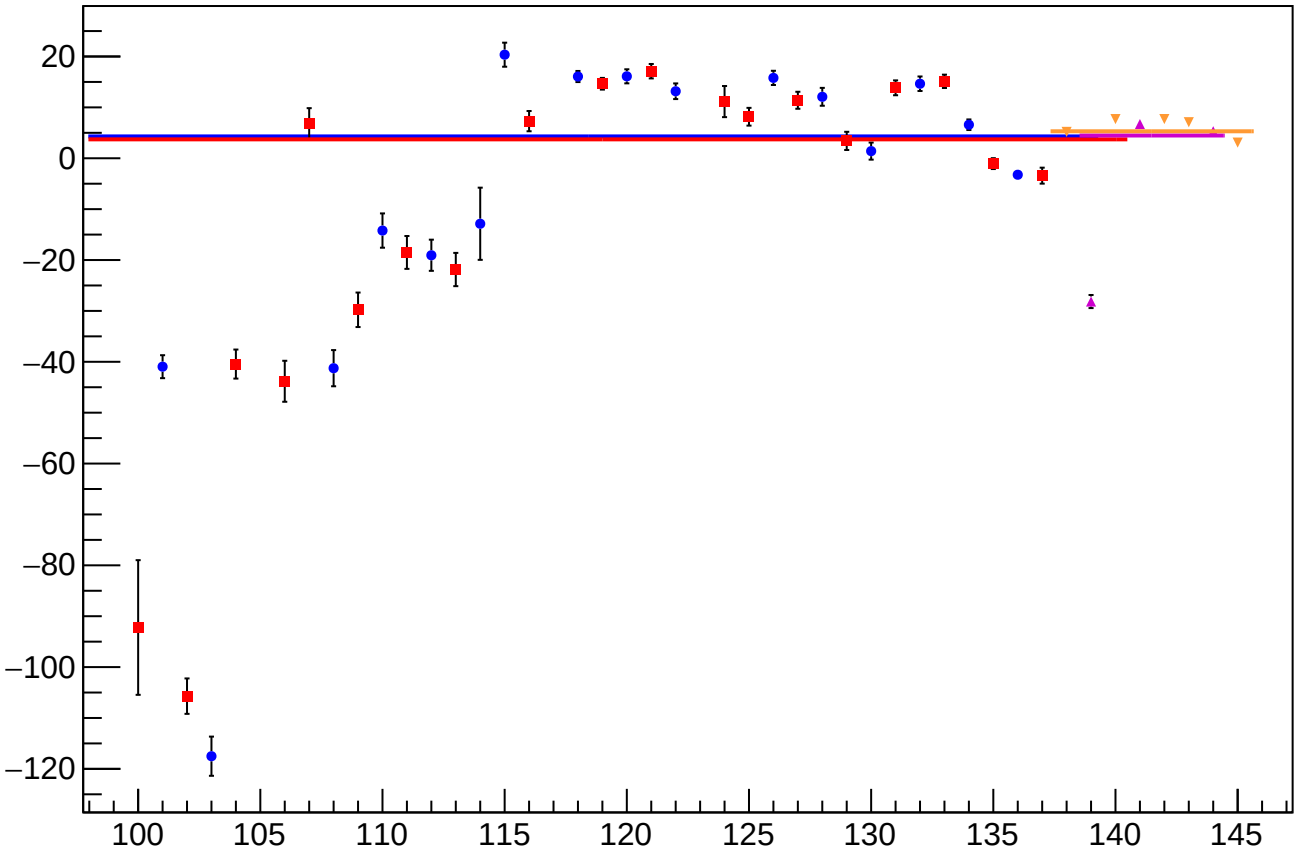
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -7.153+/-0.312 χ^2/NDF:71.1/2

+ sign -8.020+/-0.208 χ^2/NDF: 947.6/20

All: -7.476+/-0.159 χ^2/NDF: 1523.7/42

- sign -6.702+/-0.248 χ^2/NDF: 559.4/21



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.301+/-0.198 χ^2/NDF:112.8/4

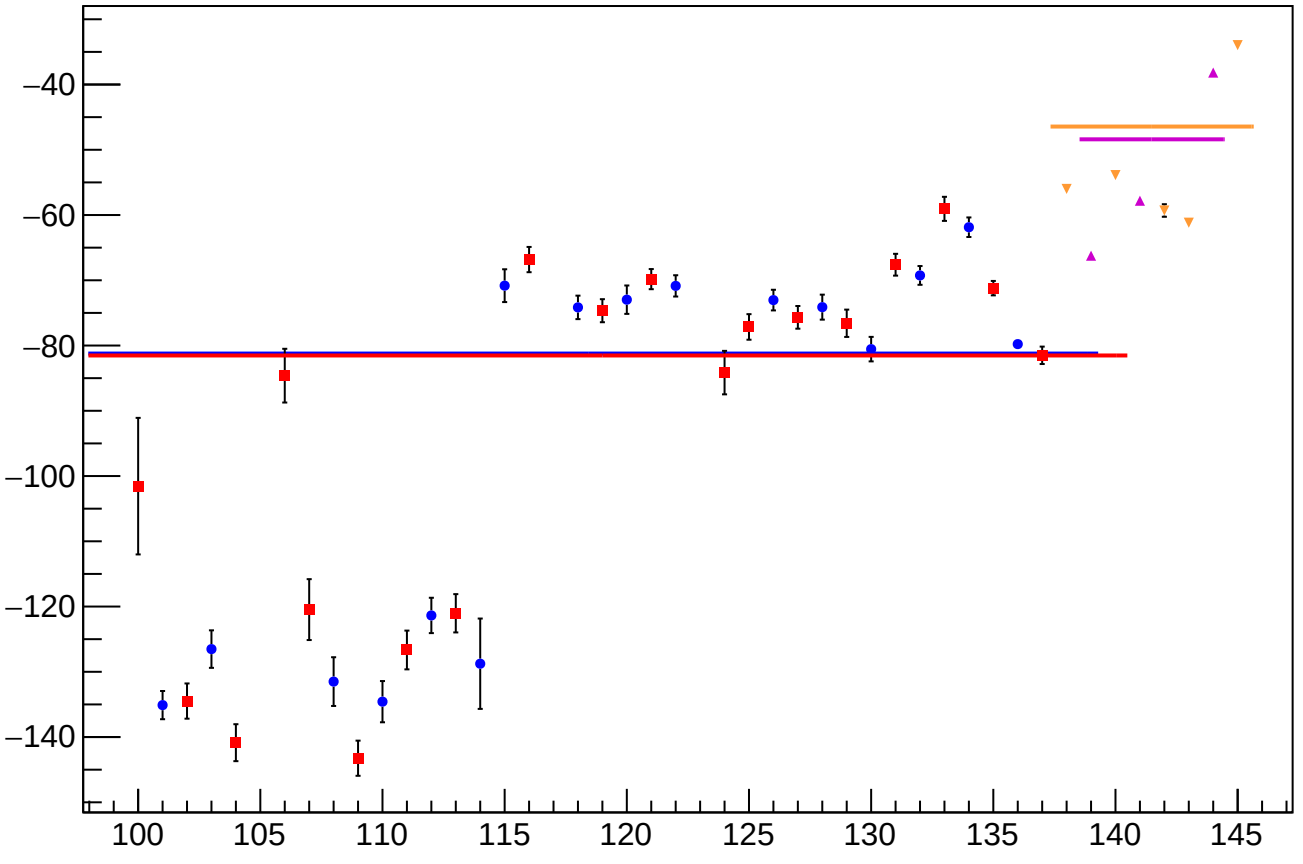
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.476+/-0.250 χ^2/NDF:675.9/2

+ sign 5.091+/-0.176 χ^2/NDF: 2287.3/20

All: 4.766+/-0.136 χ^2/NDF: 4981.4/42

- sign 4.279+/-0.215 χ^2/NDF: 2685.5/21



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -46.441+/-0.255 χ^2/NDF:2087.7/4

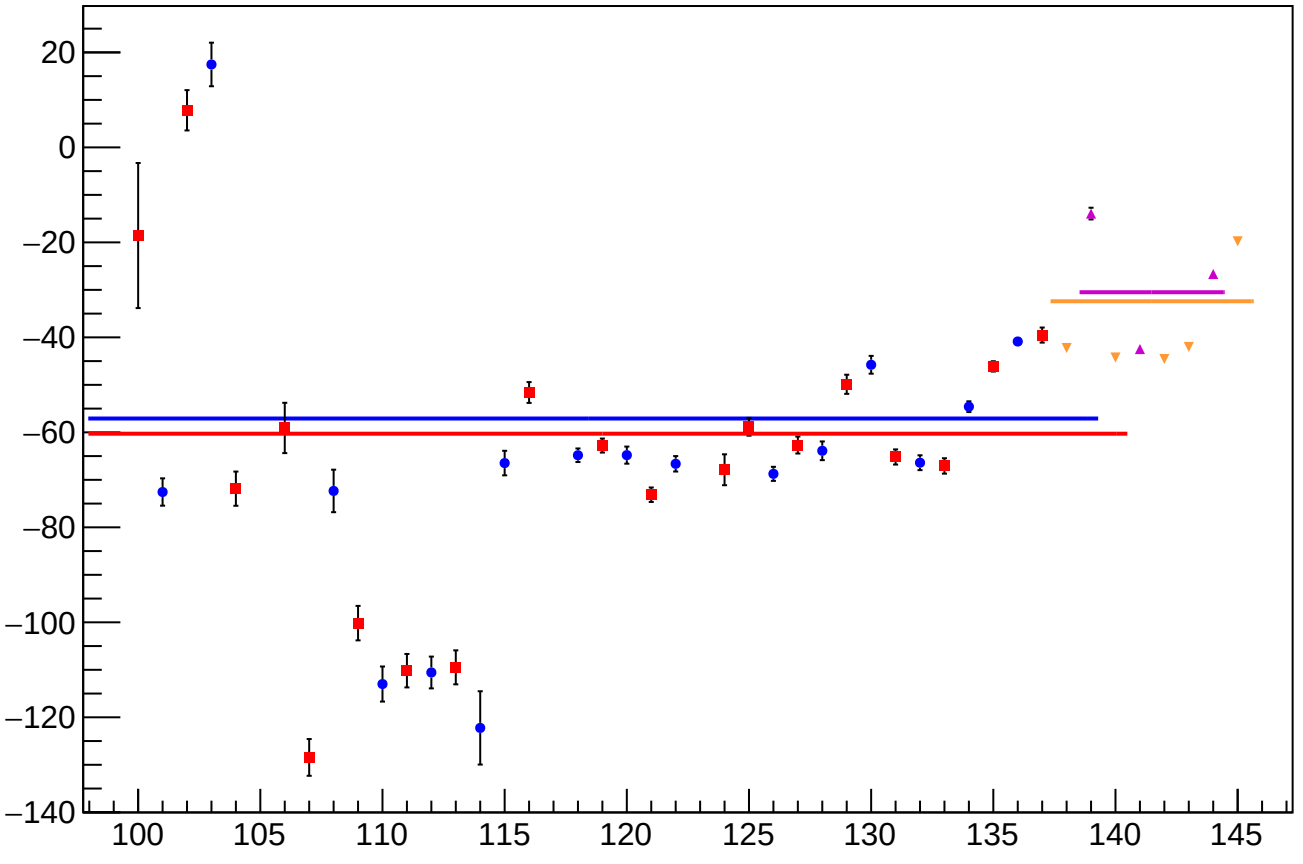
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -48.398+/-0.321 χ^2/NDF:1365.4/2

+ sign -55.939+/-0.218 χ^2/NDF: 9123.1/20

All: -57.268+/-0.168 χ^2/NDF: 16341.1/42

- sign -59.218+/-0.264 χ^2/NDF: 7126.2/21



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

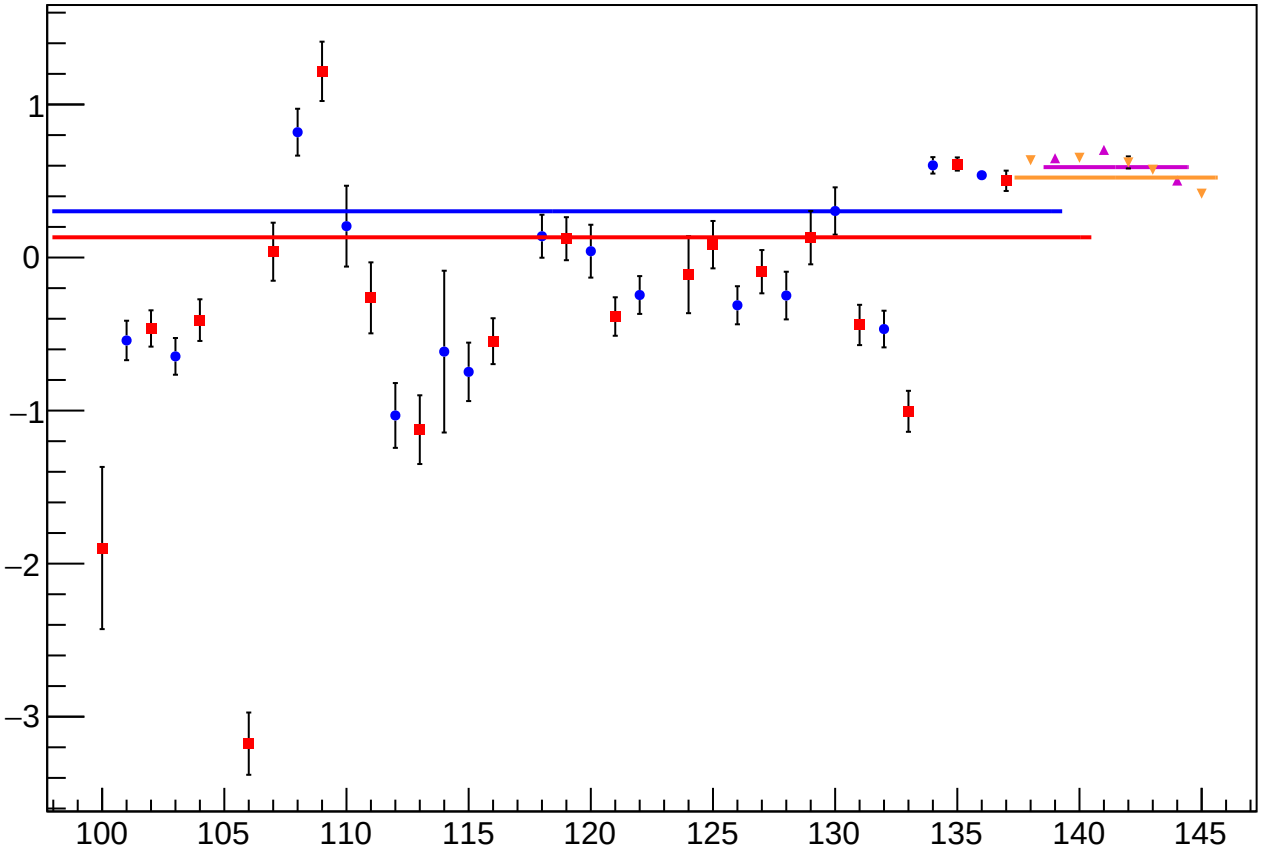
Left In: -30.496+/-0.292 χ^2/NDF:777.2/2

+ sign -38.022+/-0.203 χ^2/NDF: 6700.8/20

All: -38.328+/-0.157 χ^2/NDF: 11971.0/42

- sign -38.785+/-0.248 χ^2/NDF: 5264.6/21

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

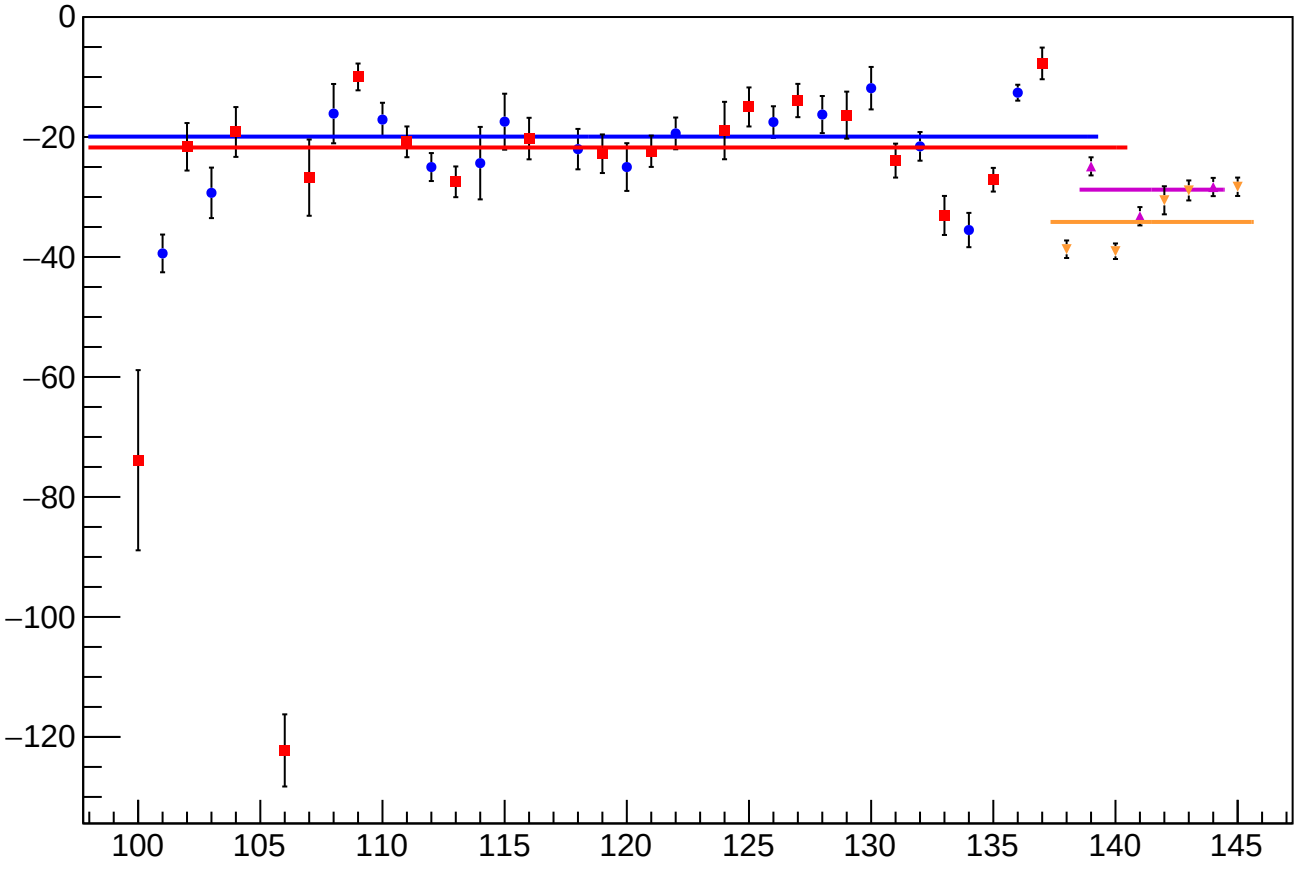
Left In: 0.591+/-0.013 χ^2/NDF:44.6/2

+ sign 0.485+/-0.010 χ^2/NDF: 551.7/20

All: 0.490+/-0.007 χ^2/NDF: 1508.8/42

- sign 0.499+/-0.012 χ^2/NDF: 956.2/21

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

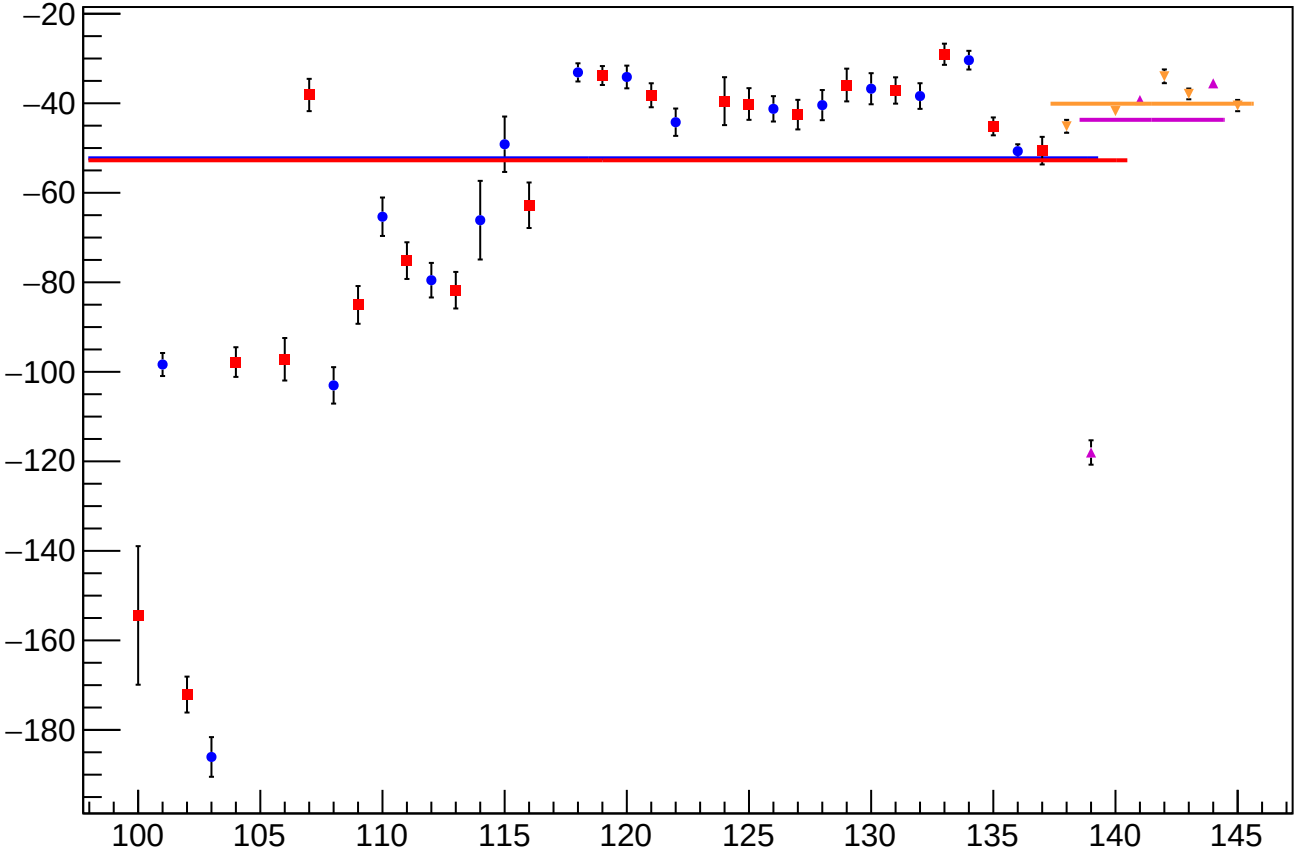
Left In: -28.779+/-0.877 χ^2/NDF:15.1/2

+ sign -26.979+/-0.494 χ^2/NDF: 378.9/20

All: -25.902+/-0.368 χ^2/NDF: 831.8/42

- sign -24.548+/-0.554 χ^2/NDF: 442.2/21

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

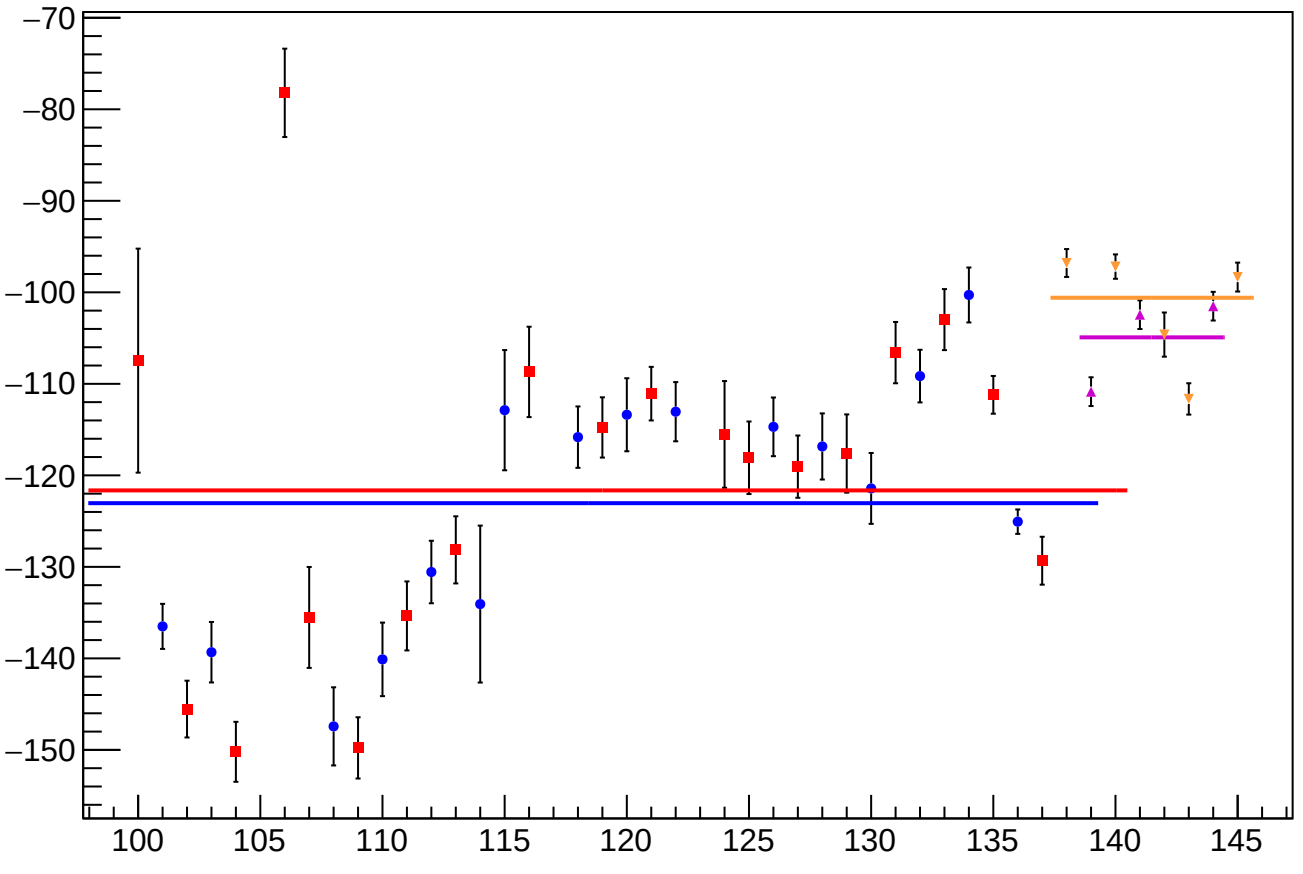
Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -43.694+/-0.761 χ^2/NDF:811.3/2

+ sign -44.885+/-0.444 χ^2/NDF: 1992.4/20

All: -46.278+/-0.341 χ^2/NDF: 4562.2/42

- sign -48.289+/-0.533 χ^2/NDF: 2545.7/21



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

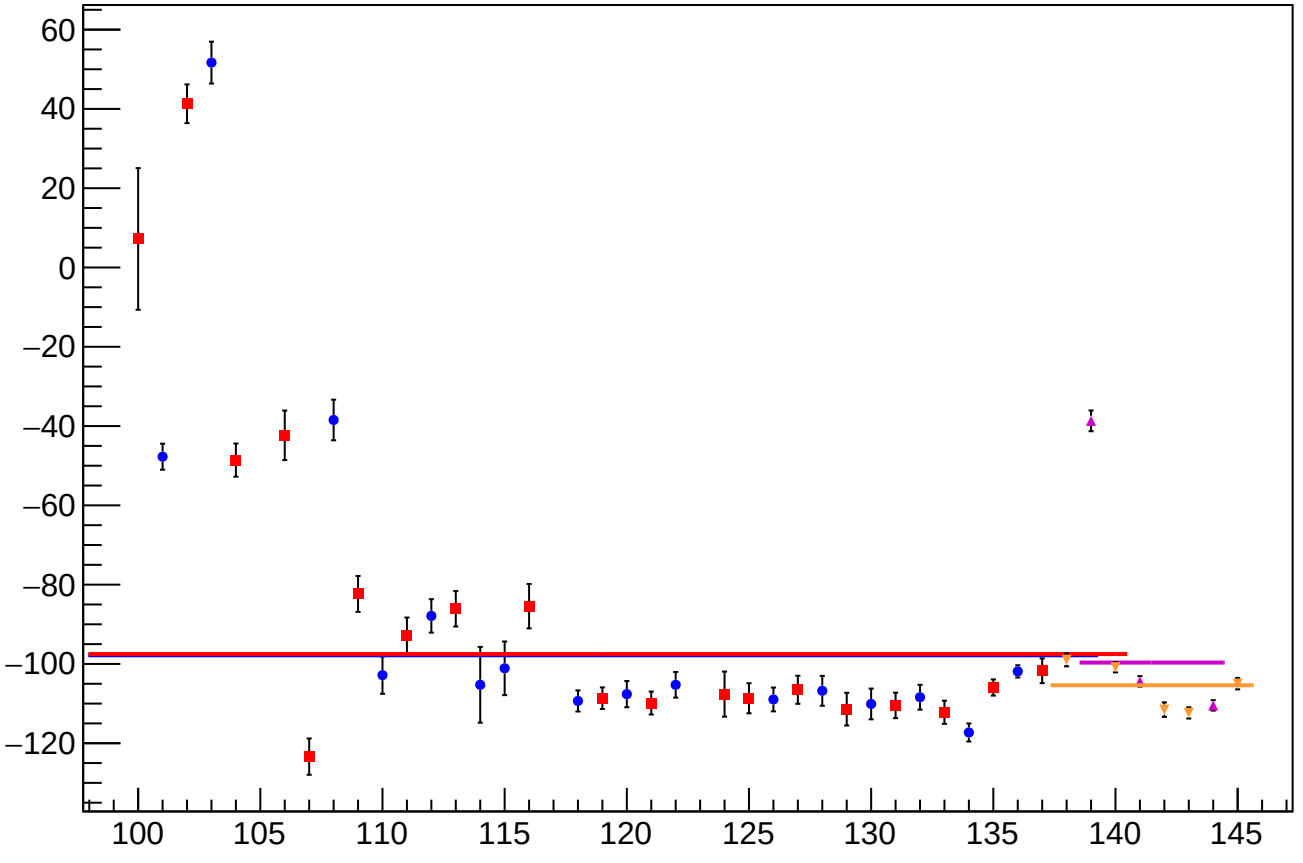
Left In: -104.922+/-0.906 χ^2/NDF:21.5/2

+ sign -111.422+/-0.521 χ^2/NDF: 749.6/20

All: -112.661+/-0.393 χ^2/NDF: 1400.0/42

- sign -114.304+/-0.600 χ^2/NDF: 637.3/21

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

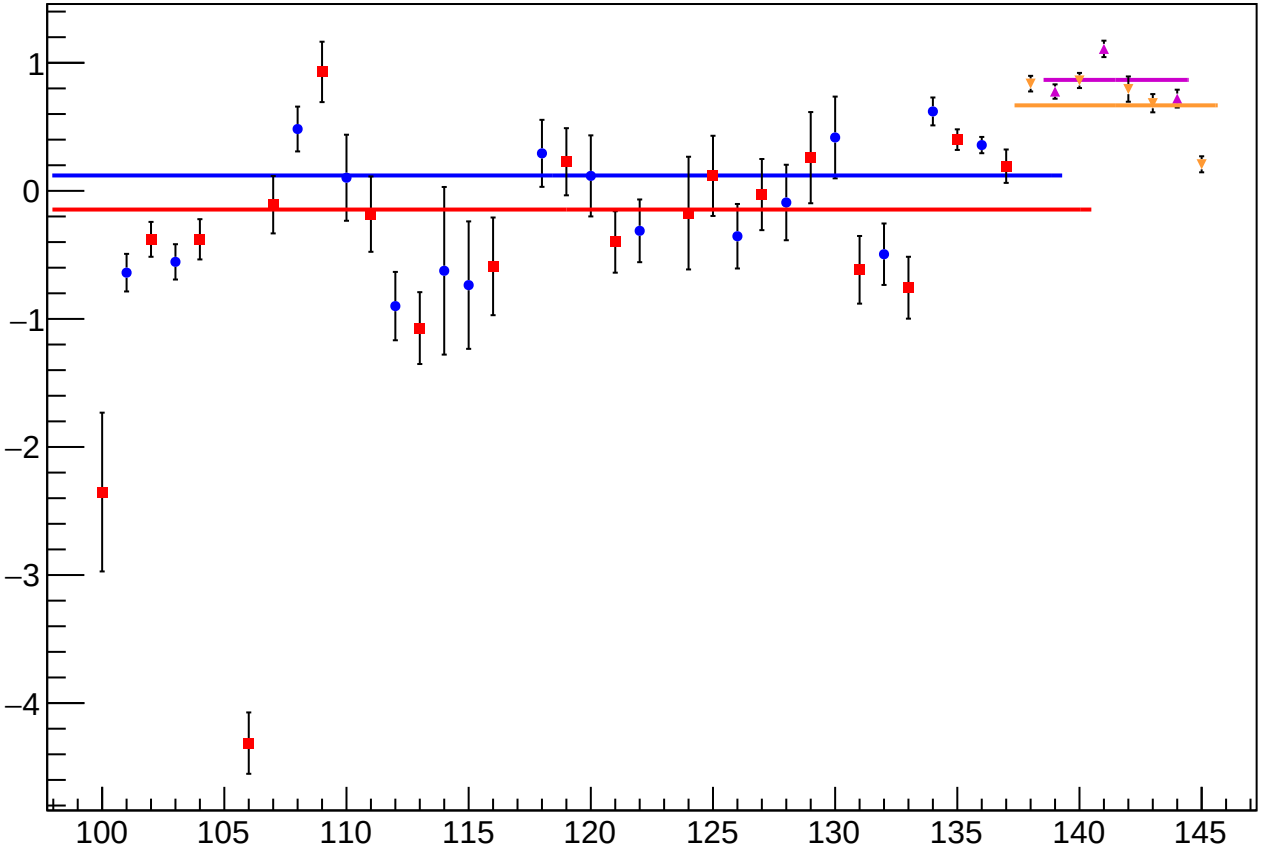
Left In: -99.652+/-0.881 χ^2/NDF:623.5/2

+ sign -102.230+/-0.511 χ^2/NDF: 1446.5/20

All: -100.699+/-0.392 χ^2/NDF: 3331.3/42

- sign -98.530+/-0.609 χ^2/NDF: 1863.1/21

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

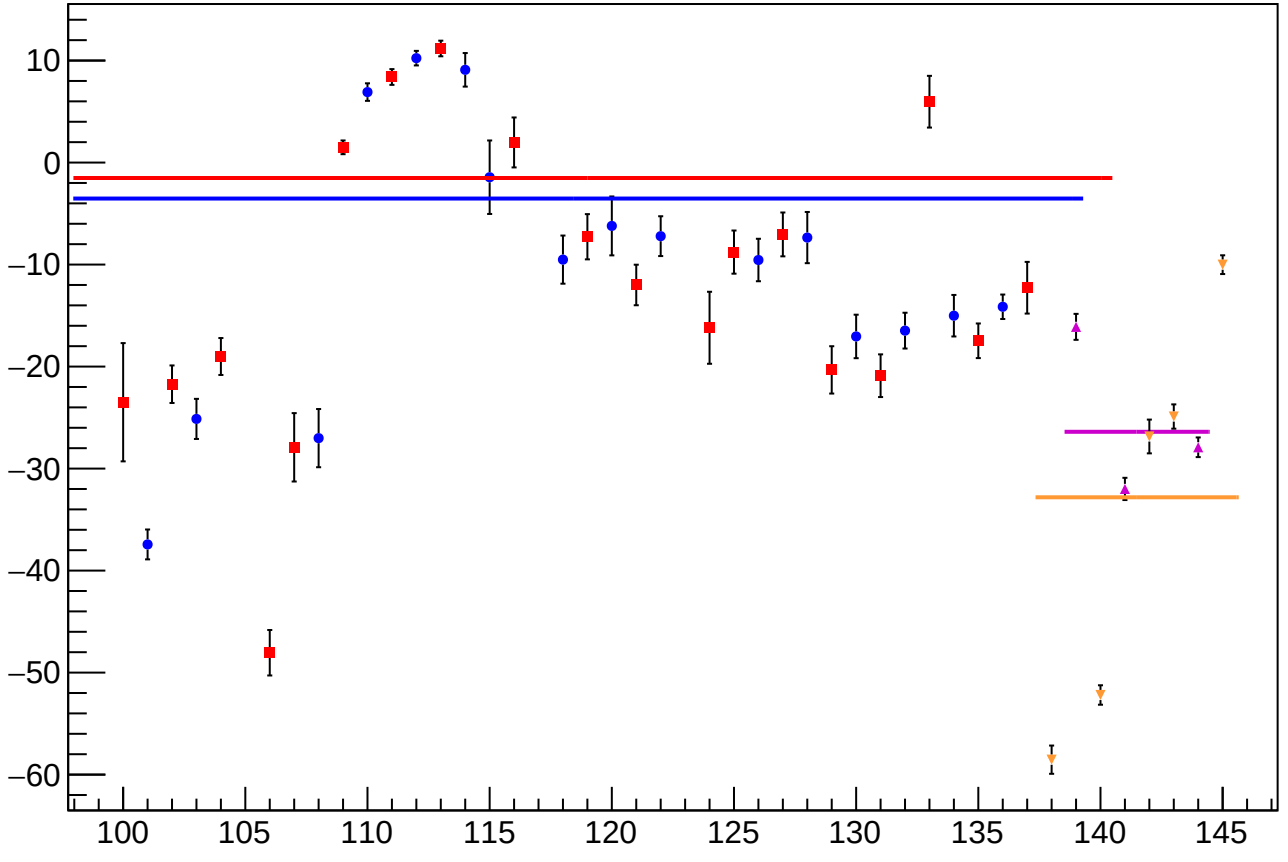
Left In: 0.867+/-0.036 χ^2/NDF:21.3/2

+ sign 0.478+/-0.024 χ^2/NDF: 313.5/20

All: 0.474+/-0.018 χ^2/NDF: 1064.5/42

- sign 0.468+/-0.028 χ^2/NDF: 751.0/21

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

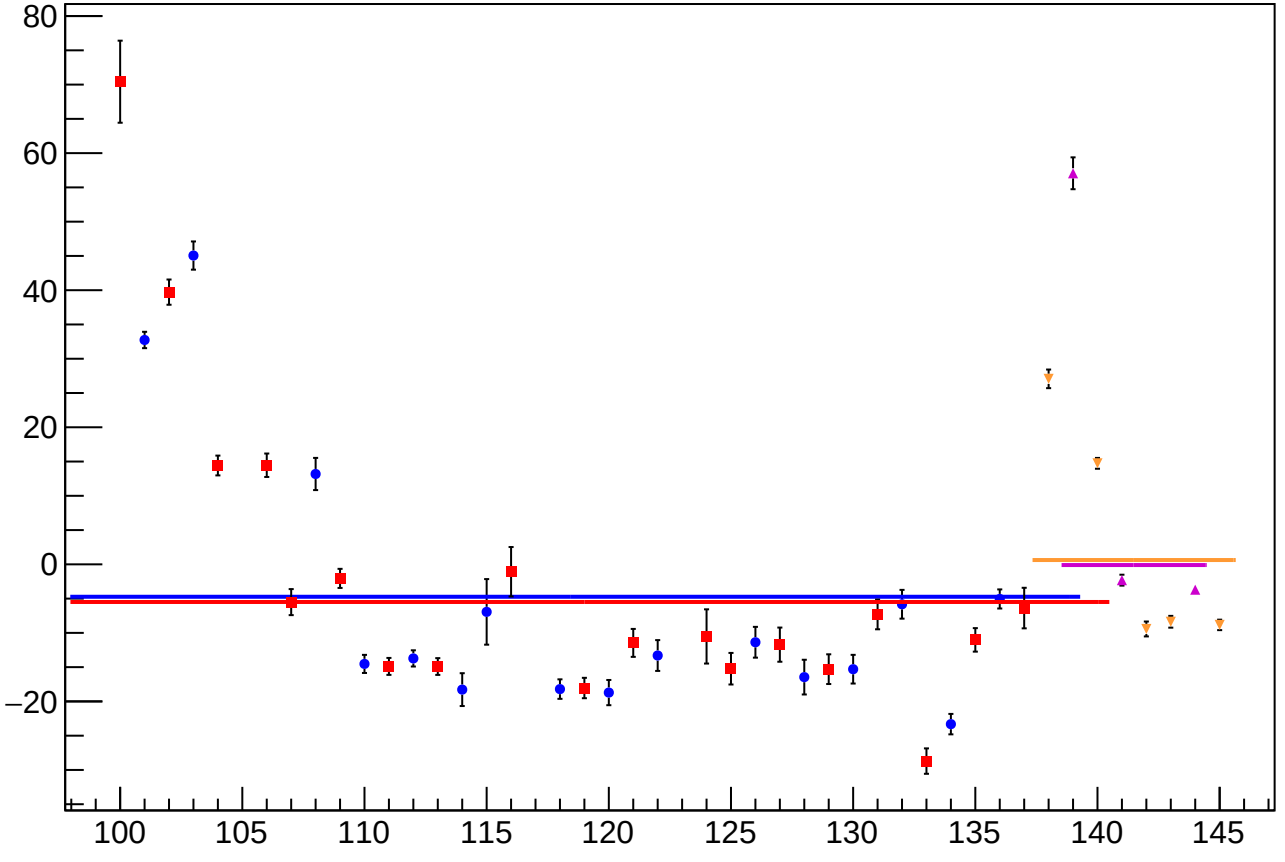
Left In: -26.393+/-0.628 χ^2/NDF:94.2/2

+ sign -13.919+/-0.303 χ^2/NDF: 5103.5/20

All: -10.463+/-0.212 χ^2/NDF: 8195.8/42

- sign -7.115+/-0.298 χ^2/NDF: 2835.6/21

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

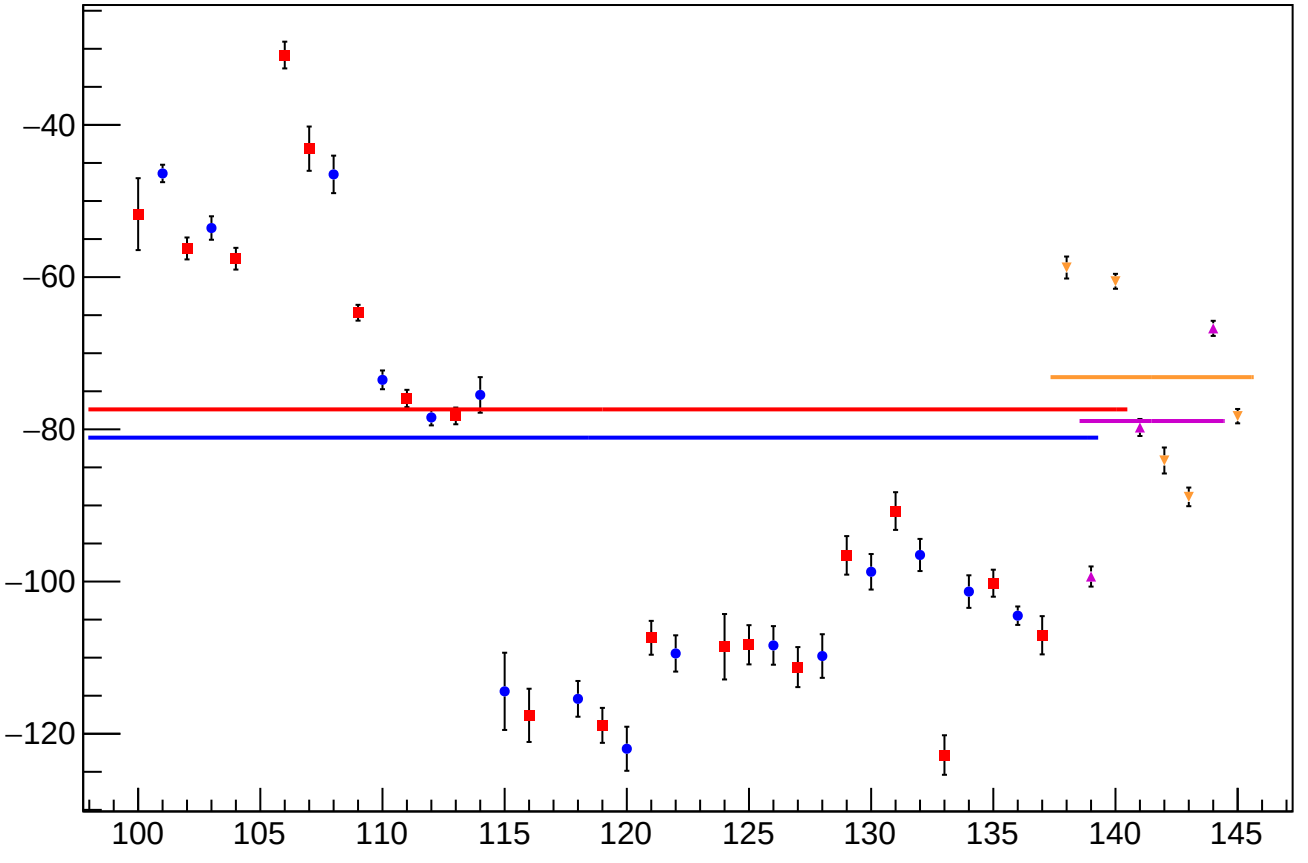
Left In: -0.102+/-0.517 χ^2/NDF:638.0/2

+ sign -1.894+/-0.296 χ^2/NDF: 3276.3/20

All: -2.542+/-0.219 χ^2/NDF: 5498.7/42

- sign -3.336+/-0.327 χ^2/NDF: 2211.7/21

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

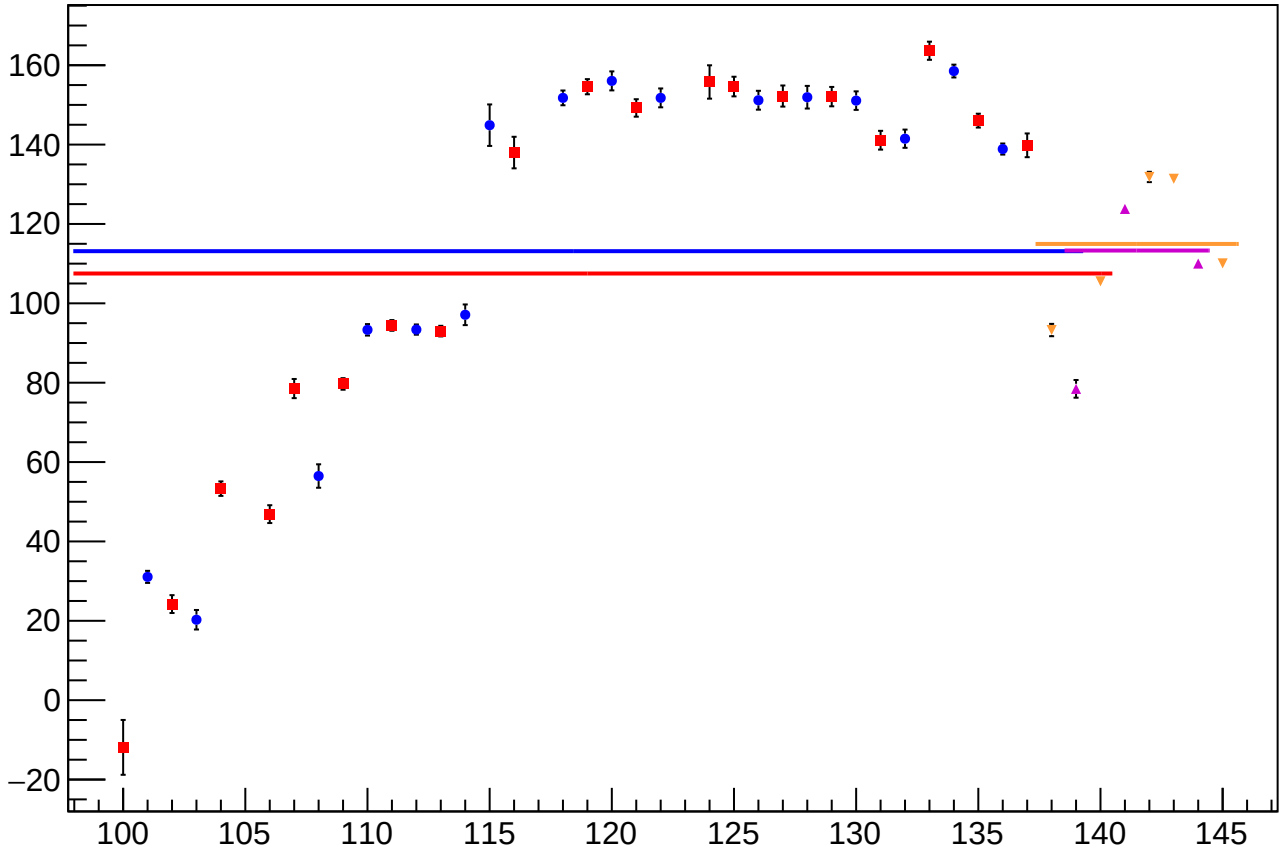
Left In: -78.906+/-0.648 χ^2/NDF:388.9/2

\+ sign -77.815+/-0.336 χ^2/NDF: 3505.8/20

All: -77.820+/-0.243 χ^2/NDF: 7028.3/42

\- sign -77.827+/-0.351 χ^2/NDF: 3522.5/21

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

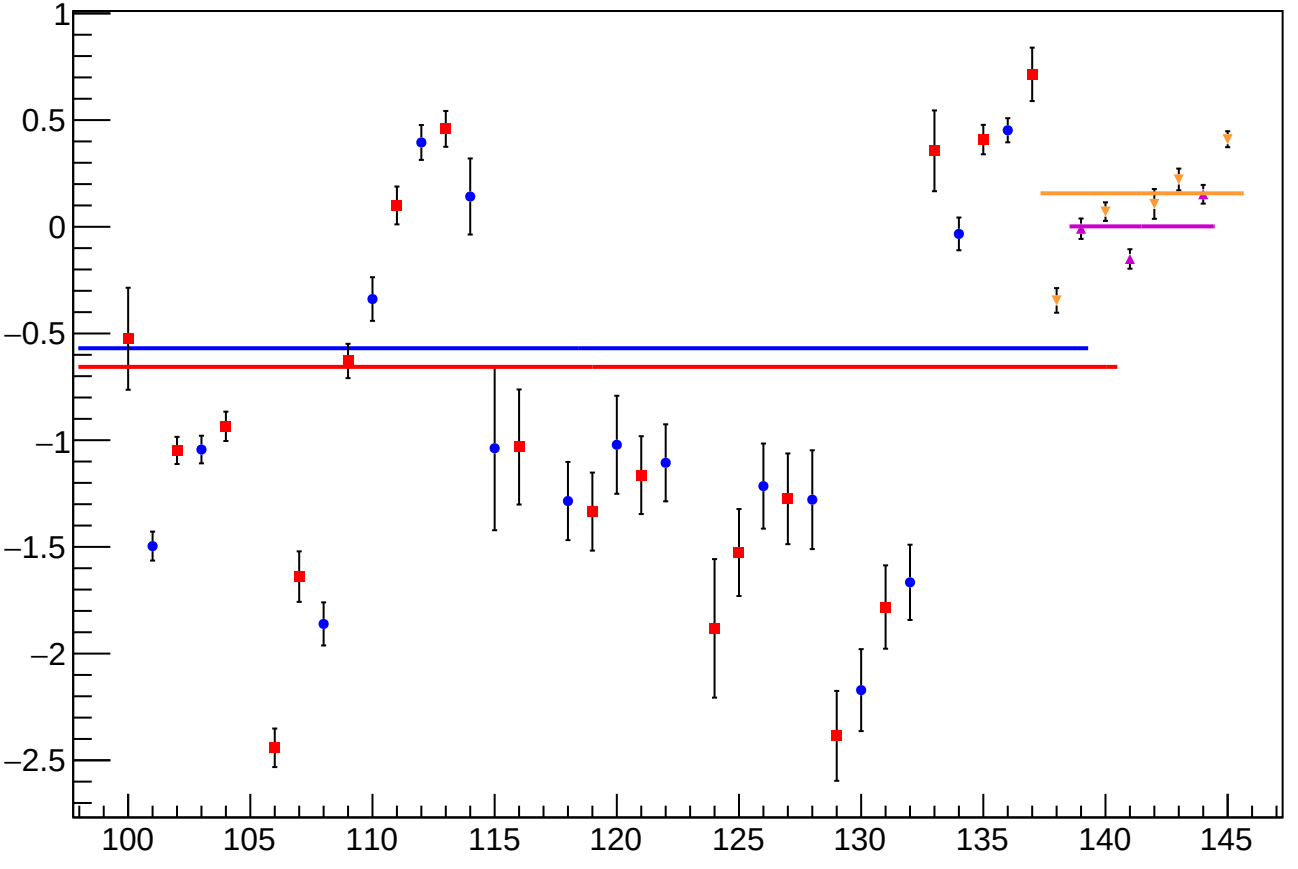
Left In: 113.304+/-0.602 χ^2/NDF:382.4/2

+ sign 114.076+/-0.342 χ^2/NDF: 8964.0/20

All: 112.120+/-0.253 χ^2/NDF: 17019.4/42

- sign 109.759+/-0.375 χ^2/NDF: 7983.0/21

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

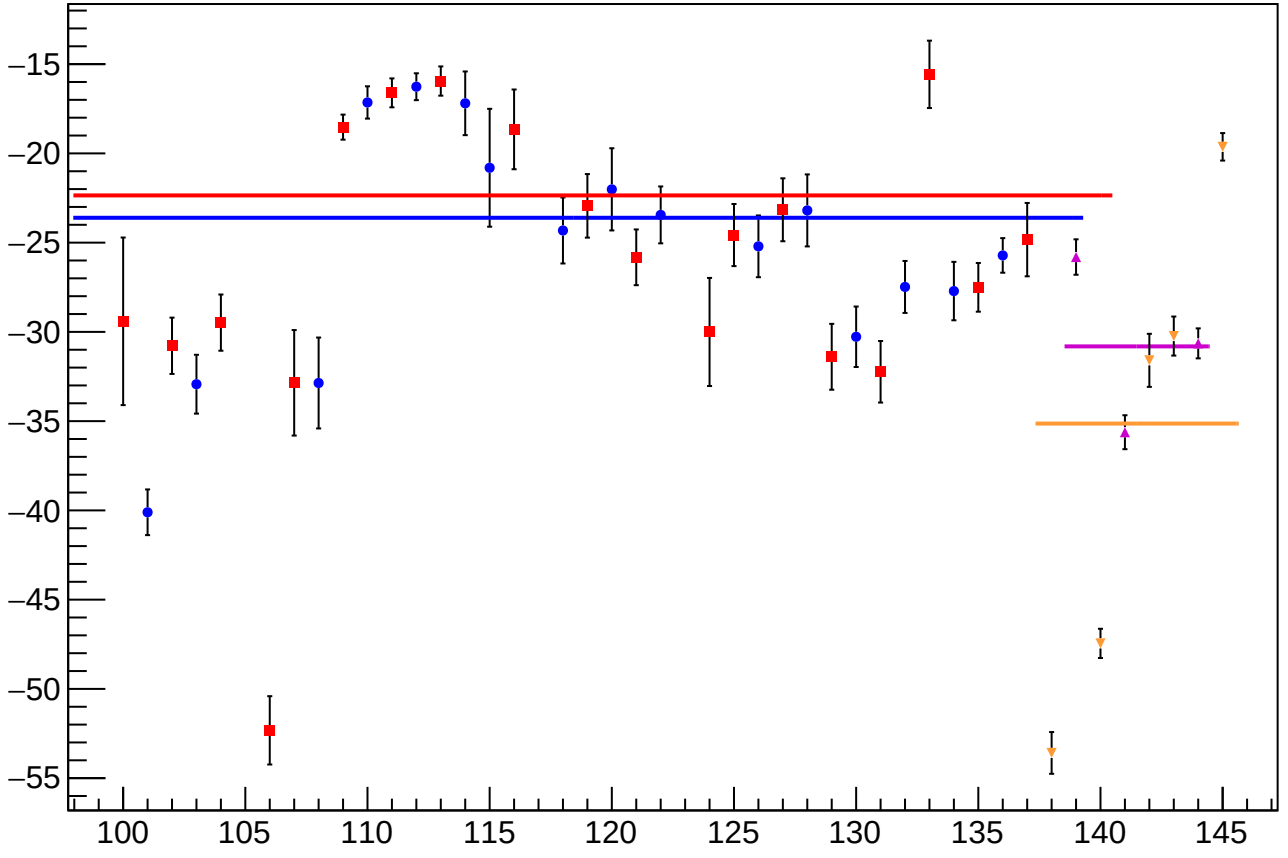
Left In: 0.002+/-0.026 χ^2/NDF:23.0/2

+ sign -0.143+/-0.017 χ^2/NDF: 1689.9/20

All: -0.233+/-0.012 χ^2/NDF: 3418.9/42

- sign -0.342+/-0.018 χ^2/NDF: 1663.5/21

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

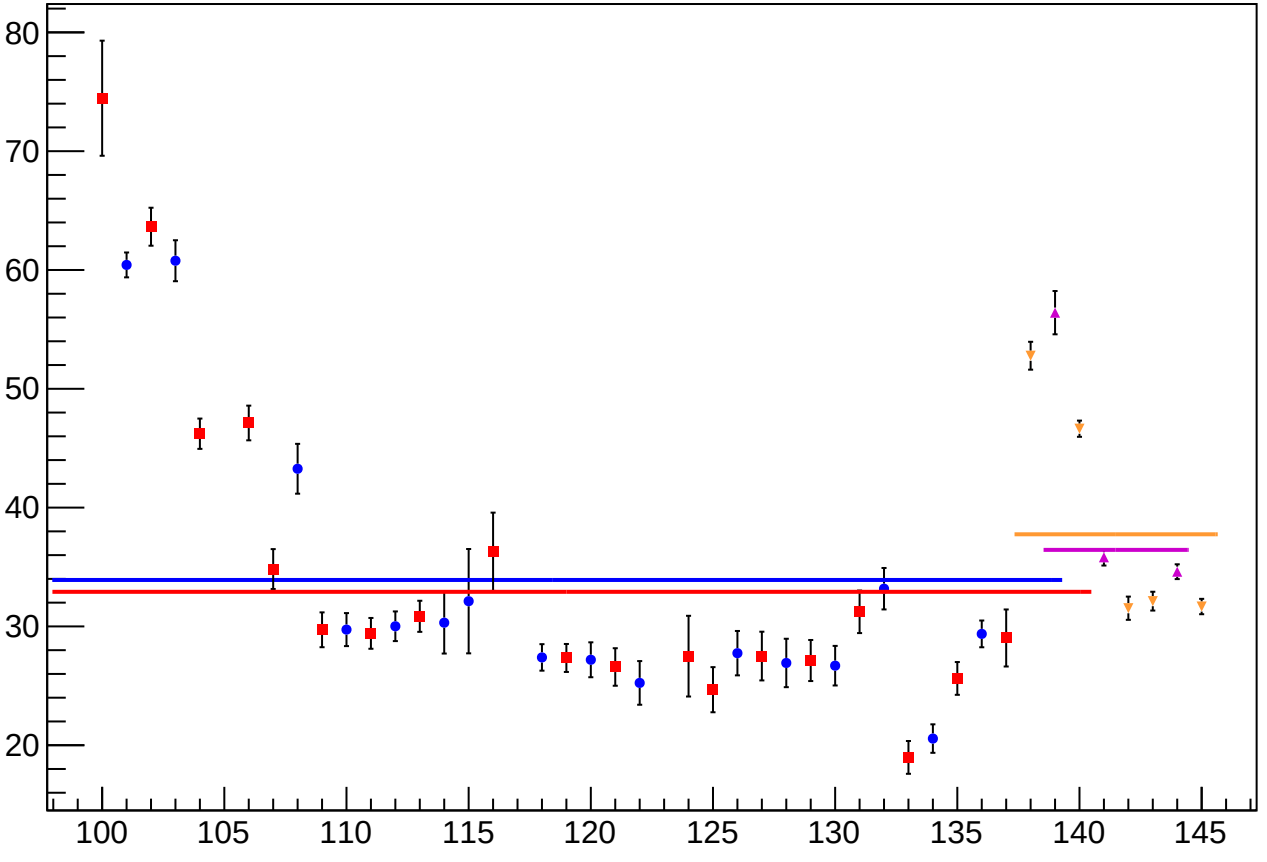
Left In: -30.812+/-0.532 χ^2/NDF:51.0/2

+ sign -28.064+/-0.273 χ^2/NDF: 1735.9/20

All: -26.358+/-0.194 χ^2/NDF: 2602.8/42

- sign -24.621+/-0.275 χ^2/NDF: 788.0/21

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

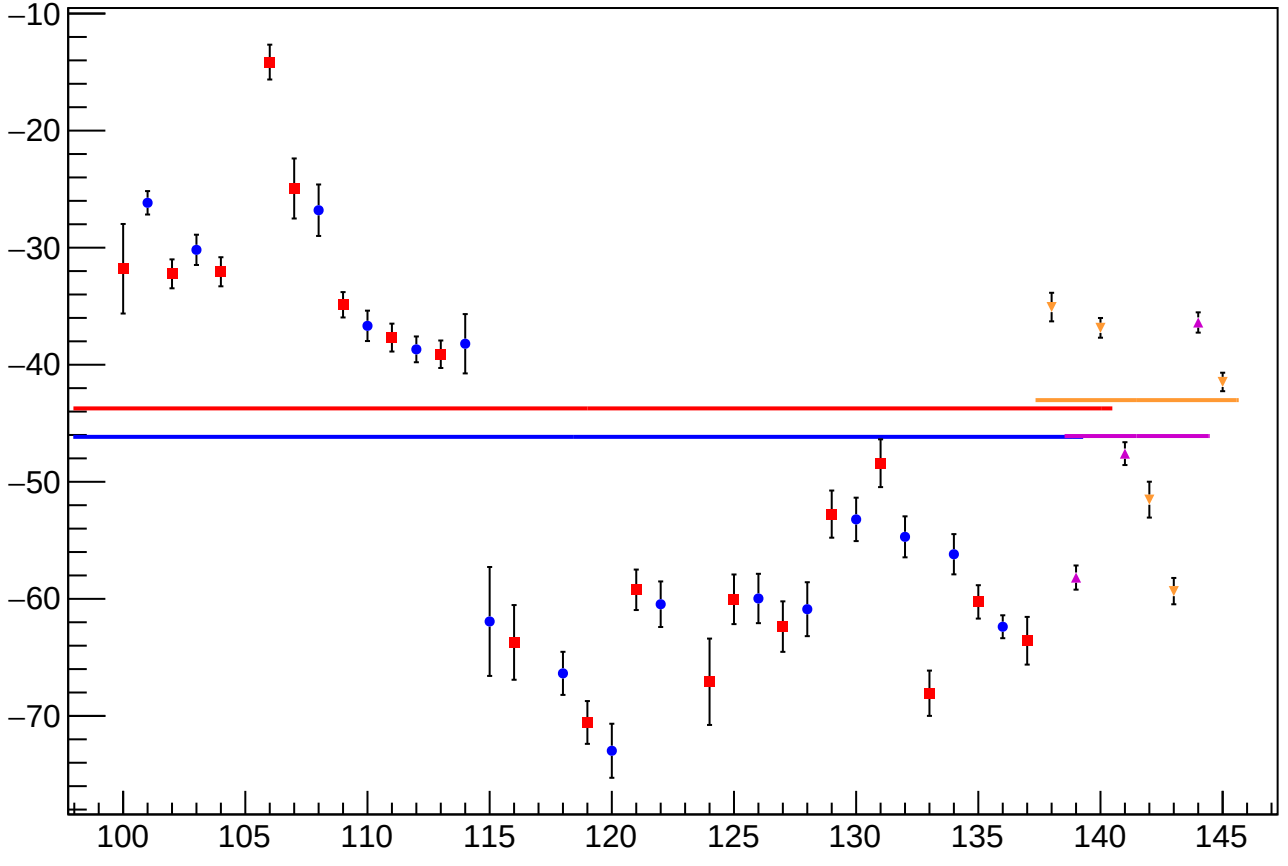
Left In: 36.442+/-0.450 χ^2/NDF:129.6/2

+ sign 35.935+/-0.258 χ^2/NDF: 1752.9/20

All: 35.225+/-0.192 χ^2/NDF: 2810.8/42

- sign 34.348+/-0.287 χ^2/NDF: 1041.0/21

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

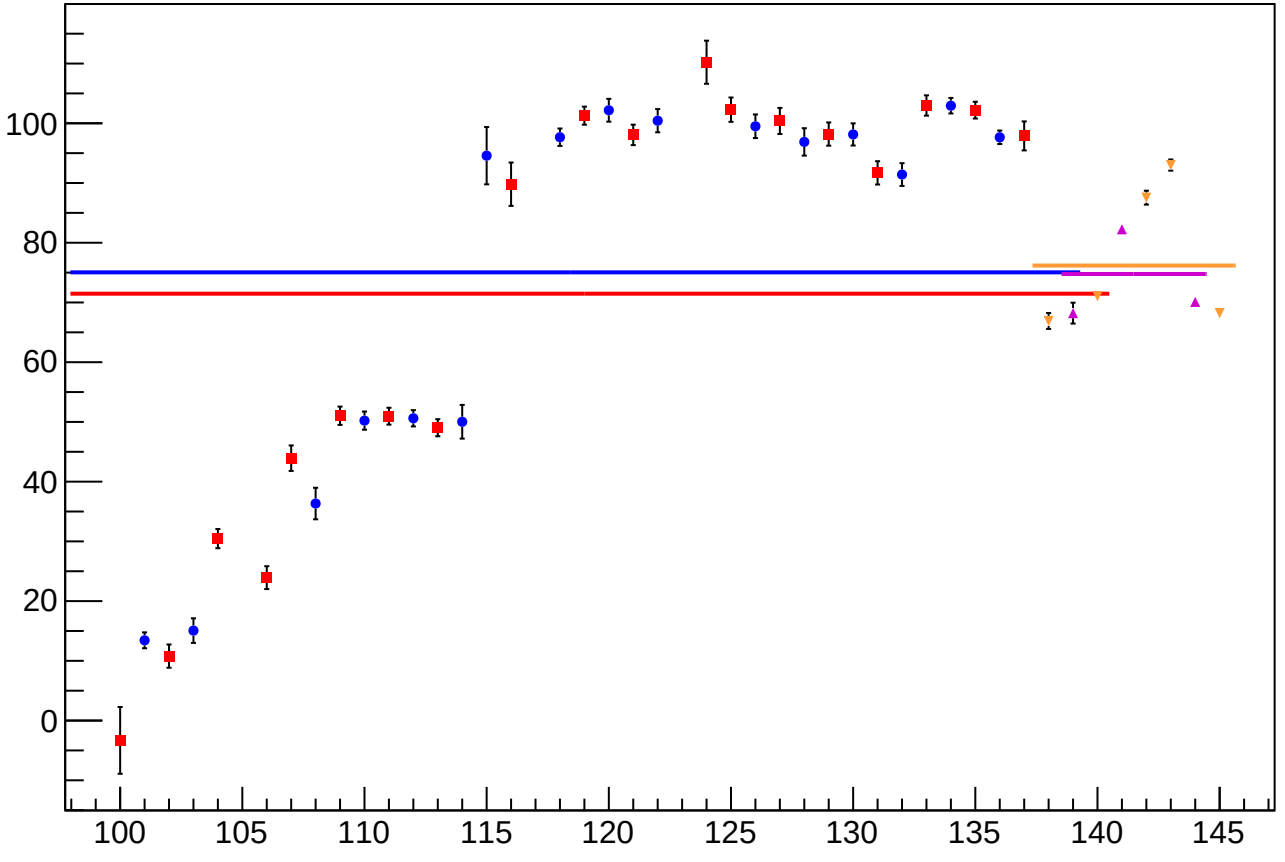
Left In: -46.091+/-0.549 χ^2/NDF:264.9/2

+ sign -44.821+/-0.295 χ^2/NDF: 1858.6/20

All: -44.665+/-0.214 χ^2/NDF: 3800.0/42

- sign -44.491+/-0.311 χ^2/NDF: 1940.8/21

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

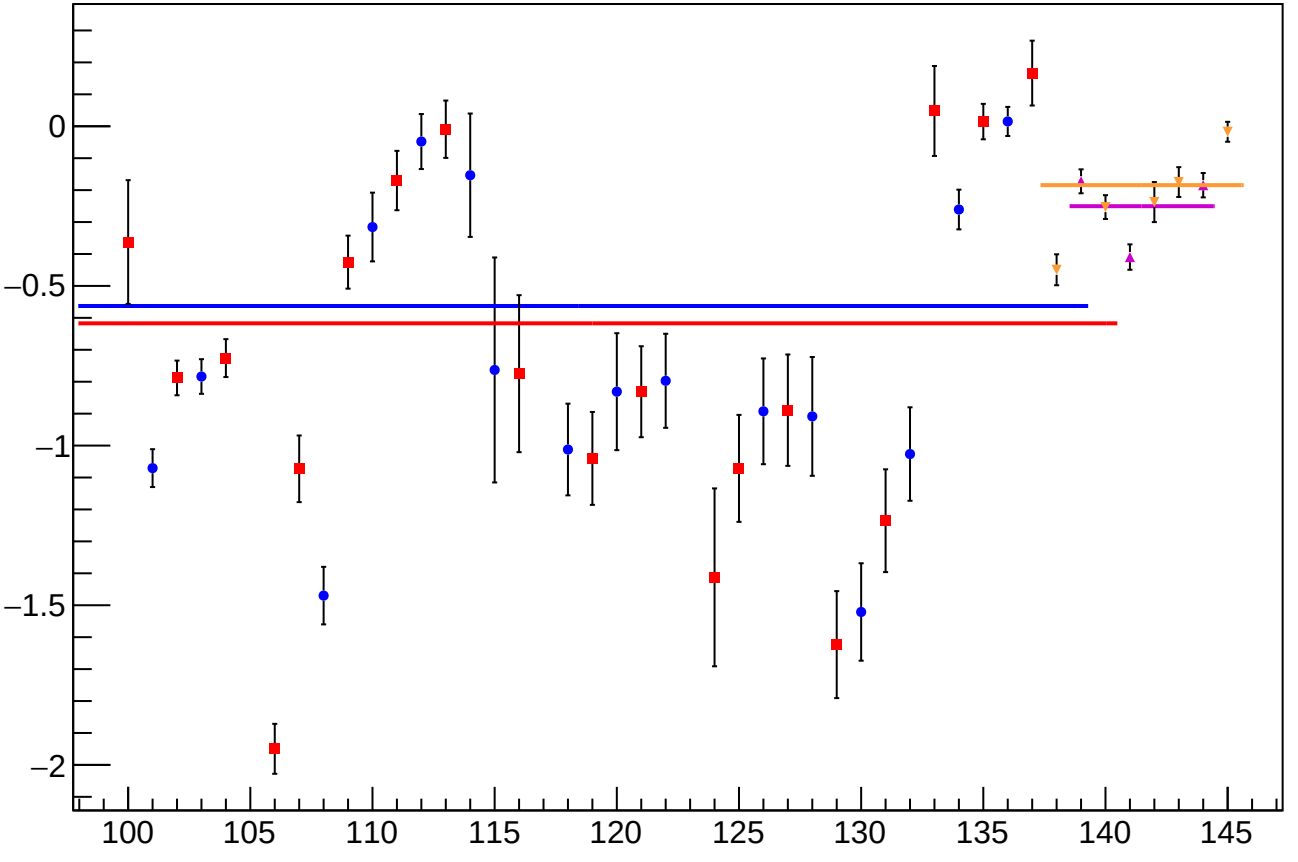
Left In: 74.768+/-0.522 χ^2/NDF:137.1/2

+ sign 75.627+/-0.298 χ^2/NDF: 6453.8/20

All: 74.350+/-0.221 χ^2/NDF: 12283.9/42

- sign 72.787+/-0.330 χ^2/NDF: 5789.3/21

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

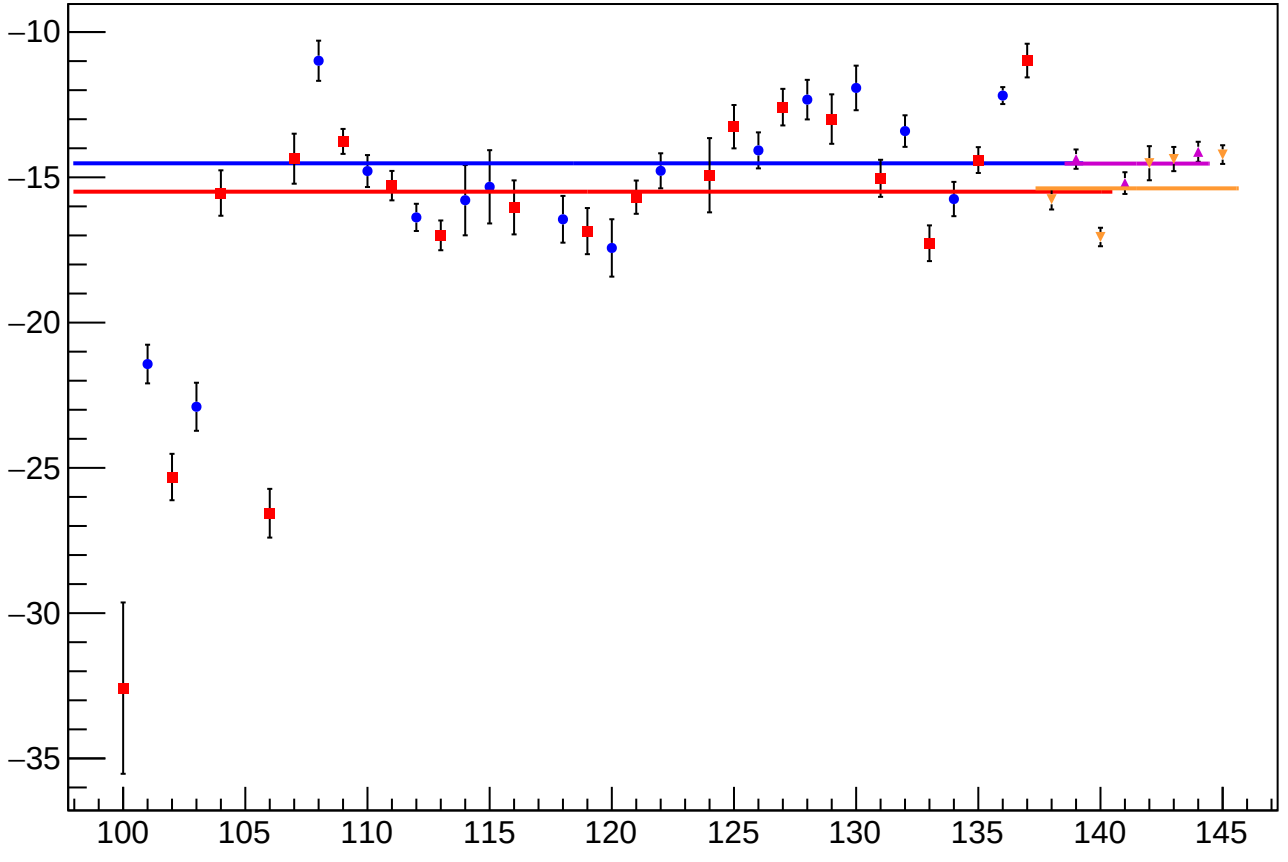
Left In: -0.250+/-0.022 χ^2/NDF:23.3/2

+ sign -0.340+/-0.014 χ^2/NDF: 726.2/20

All: -0.383+/-0.011 χ^2/NDF: 1595.6/42

- sign -0.434+/-0.016 χ^2/NDF: 850.0/21

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

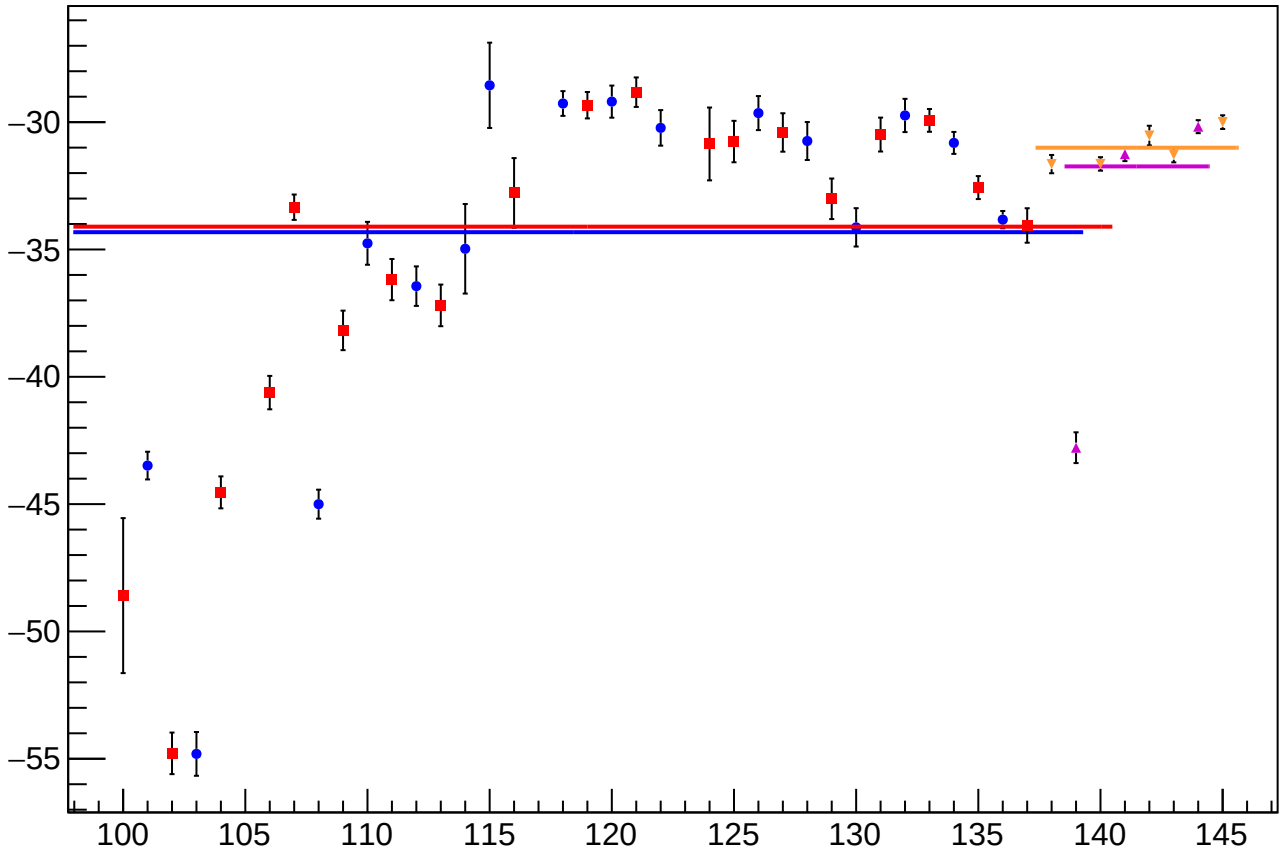
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.527+/-0.202 χ^2/NDF:4.8/2

+ sign -14.903+/-0.111 χ^2/NDF: 428.2/20

All: -15.017+/-0.082 χ^2/NDF: 953.9/42

- sign -15.149+/-0.120 χ^2/NDF: 523.5/21



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

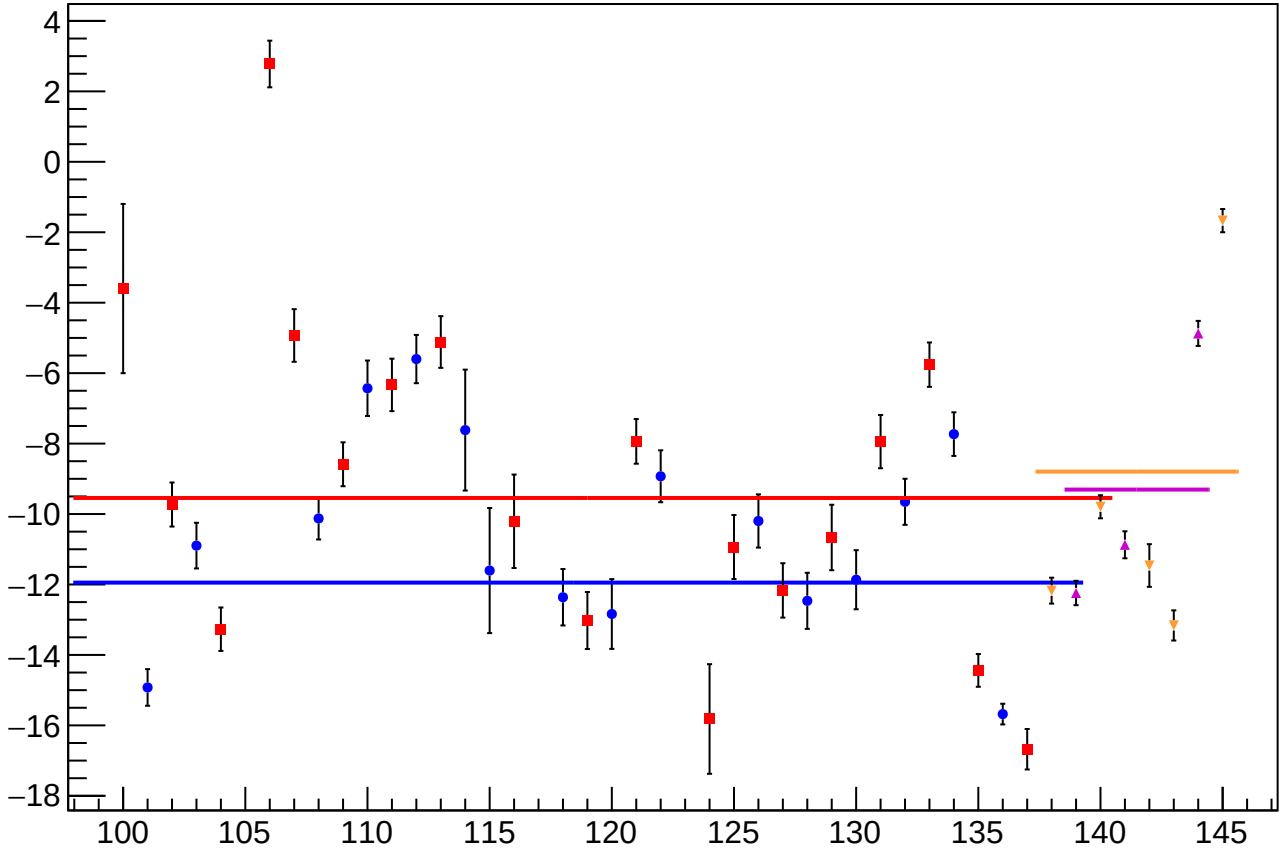
Left In: -31.738+/-0.179 χ^2/NDF:374.5/2

+ sign -32.474+/-0.102 χ^2/NDF: 1906.5/20

All: -32.743+/-0.077 χ^2/NDF: 3832.3/42

- sign -33.094+/-0.117 χ^2/NDF: 1909.8/21

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

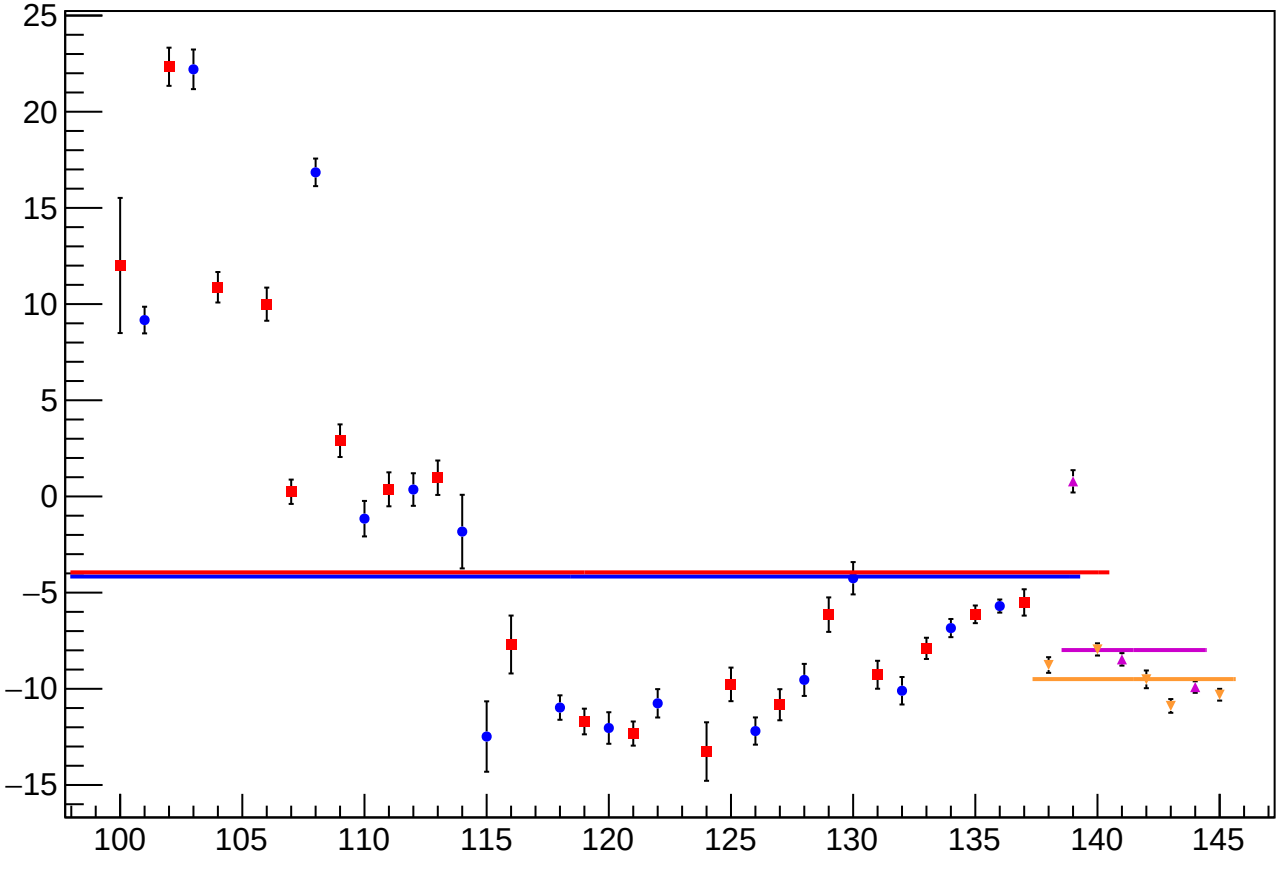
Left In: -9.306+/-0.208 χ^2/NDF:244.2/2

+ sign -10.476+/-0.117 χ^2/NDF: 1293.8/20

All: -10.016+/-0.087 χ^2/NDF: 2420.5/42

- sign -9.452+/-0.129 χ^2/NDF: 1092.2/21

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

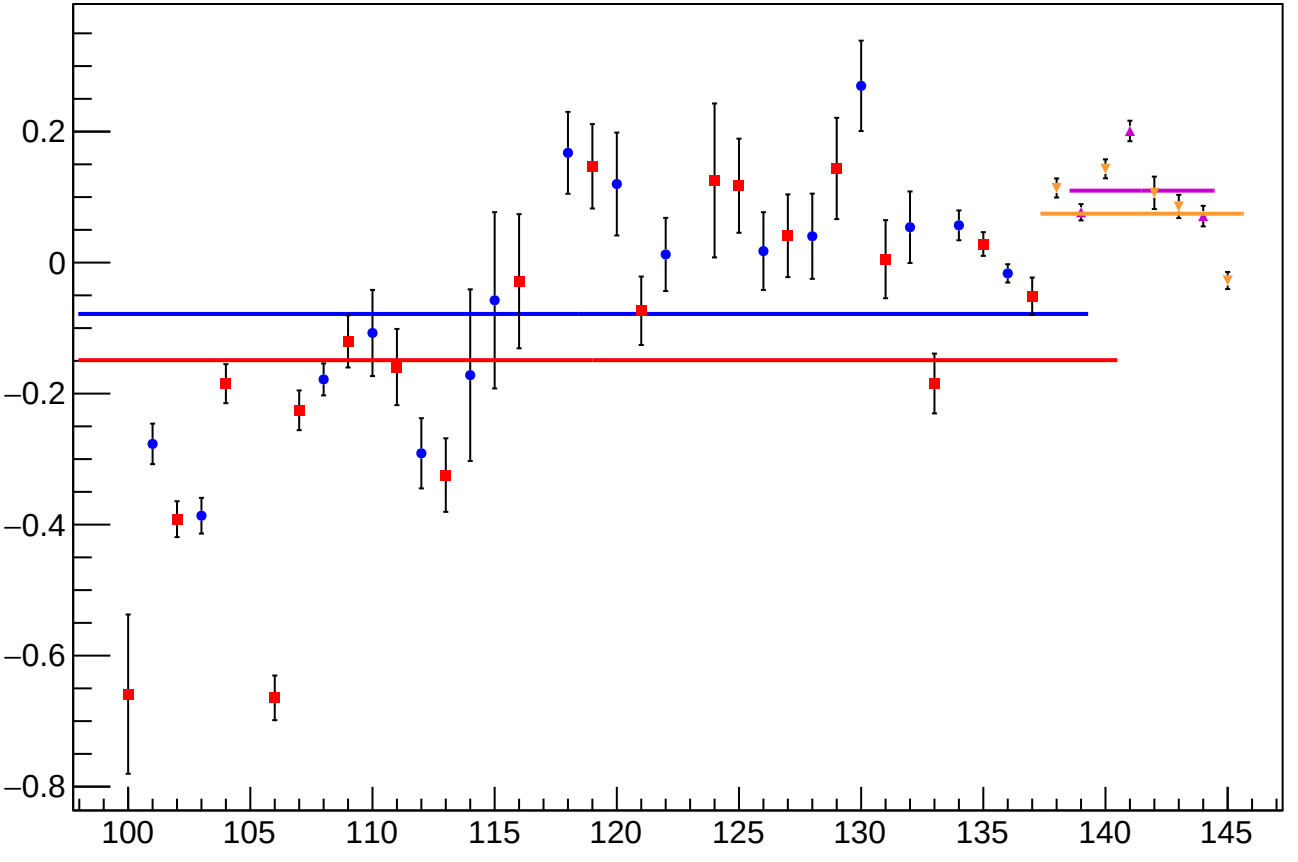
Left In: -7.985+/-0.206 χ^2/NDF:272.4/2

+ sign -7.022+/-0.117 χ^2/NDF: 3089.8/20

All: -6.428+/-0.088 χ^2/NDF: 5754.1/42

- sign -5.653+/-0.134 χ^2/NDF: 2604.9/21

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

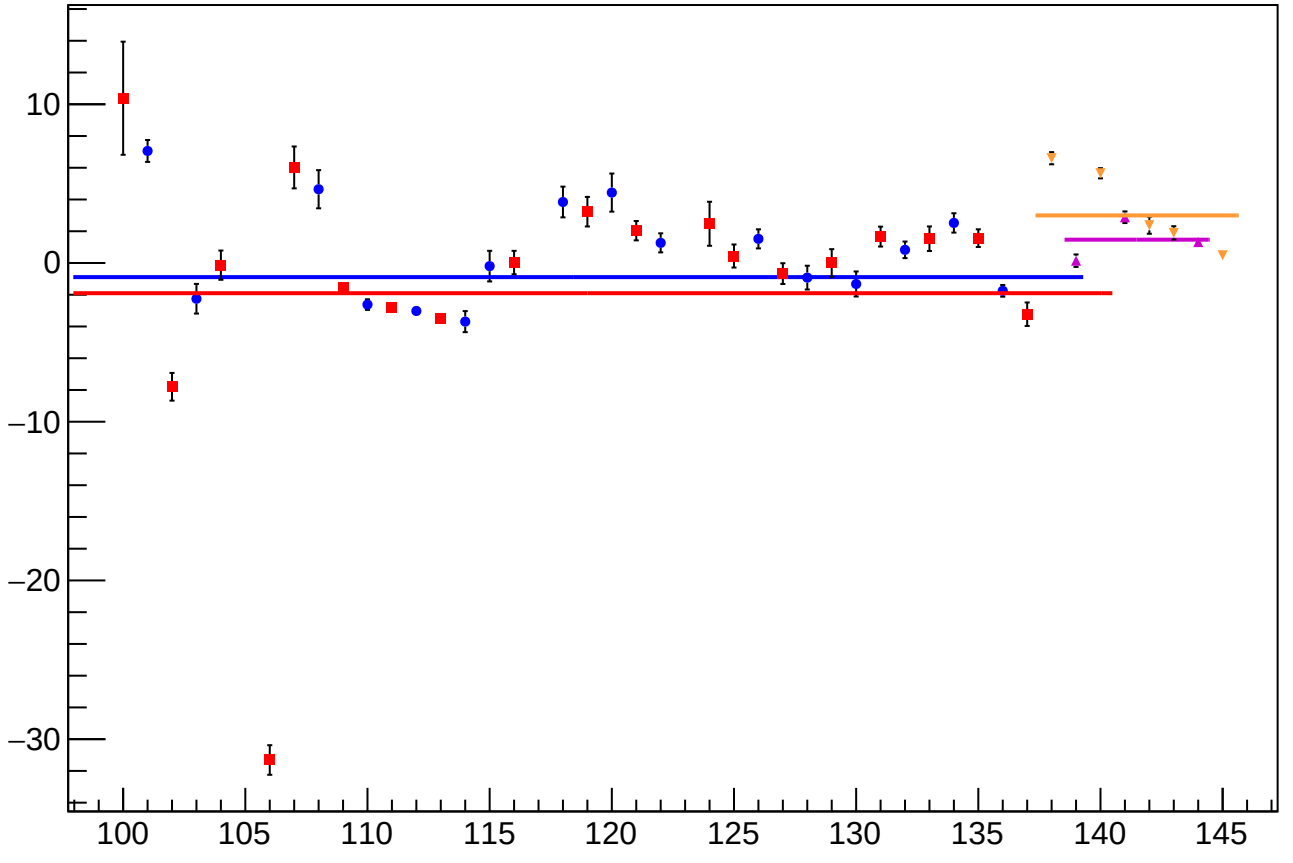
Left In: 0.110+/-0.008 χ^2/NDF:47.1/2

+ sign 0.013+/-0.005 χ^2/NDF: 602.1/20

All: 0.004+/-0.004 χ^2/NDF: 1624.8/42

- sign -0.008+/-0.006 χ^2/NDF: 1016.4/21

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 2.998+/-0.154 χ^2/NDF:270.8/4

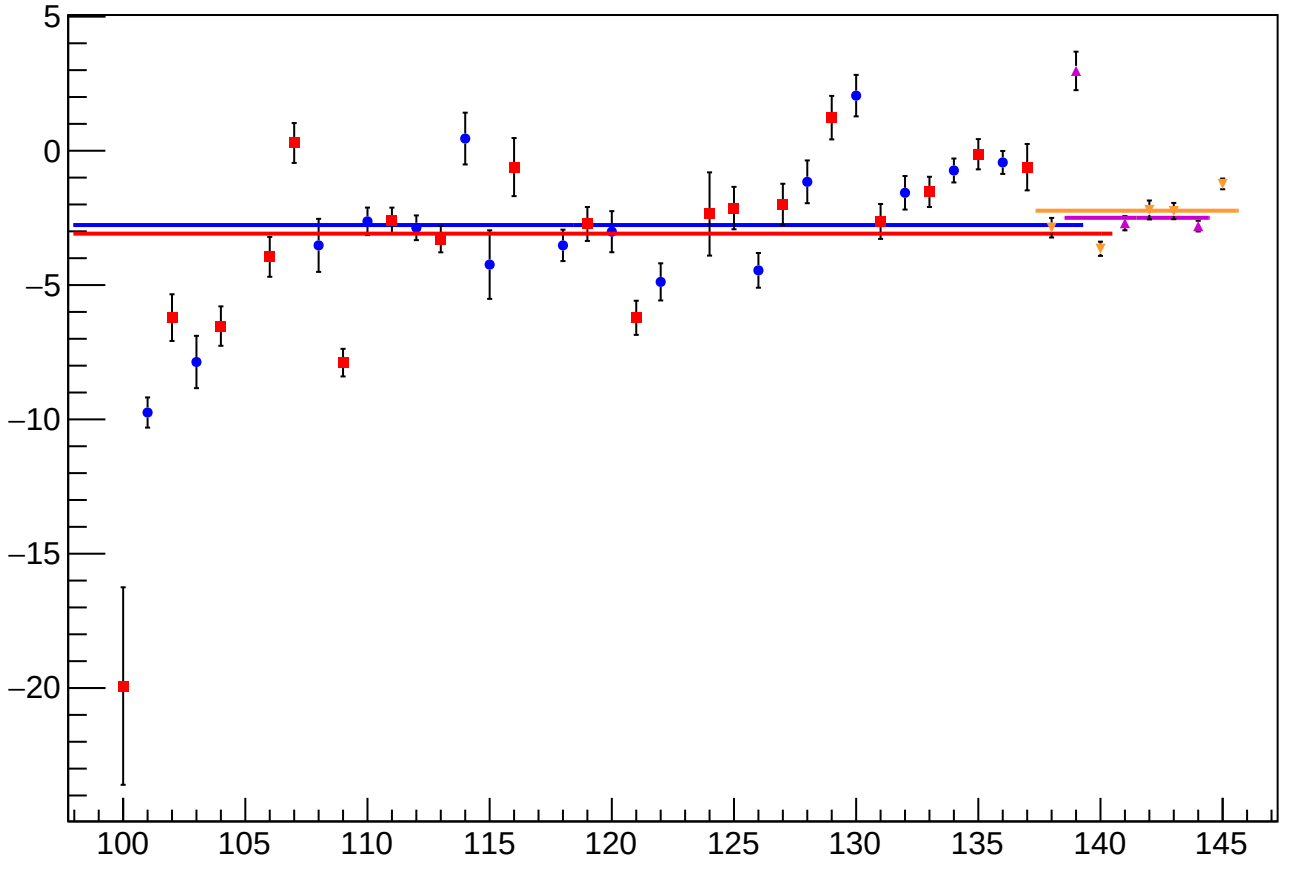
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.469+/-0.190 χ^2/NDF:26.6/2

+ sign 0.826+/-0.102 χ^2/NDF: 1008.4/20

All: 0.024+/-0.074 χ^2/NDF: 2711.7/42

- sign -0.845+/-0.106 χ^2/NDF: 1574.9/21



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

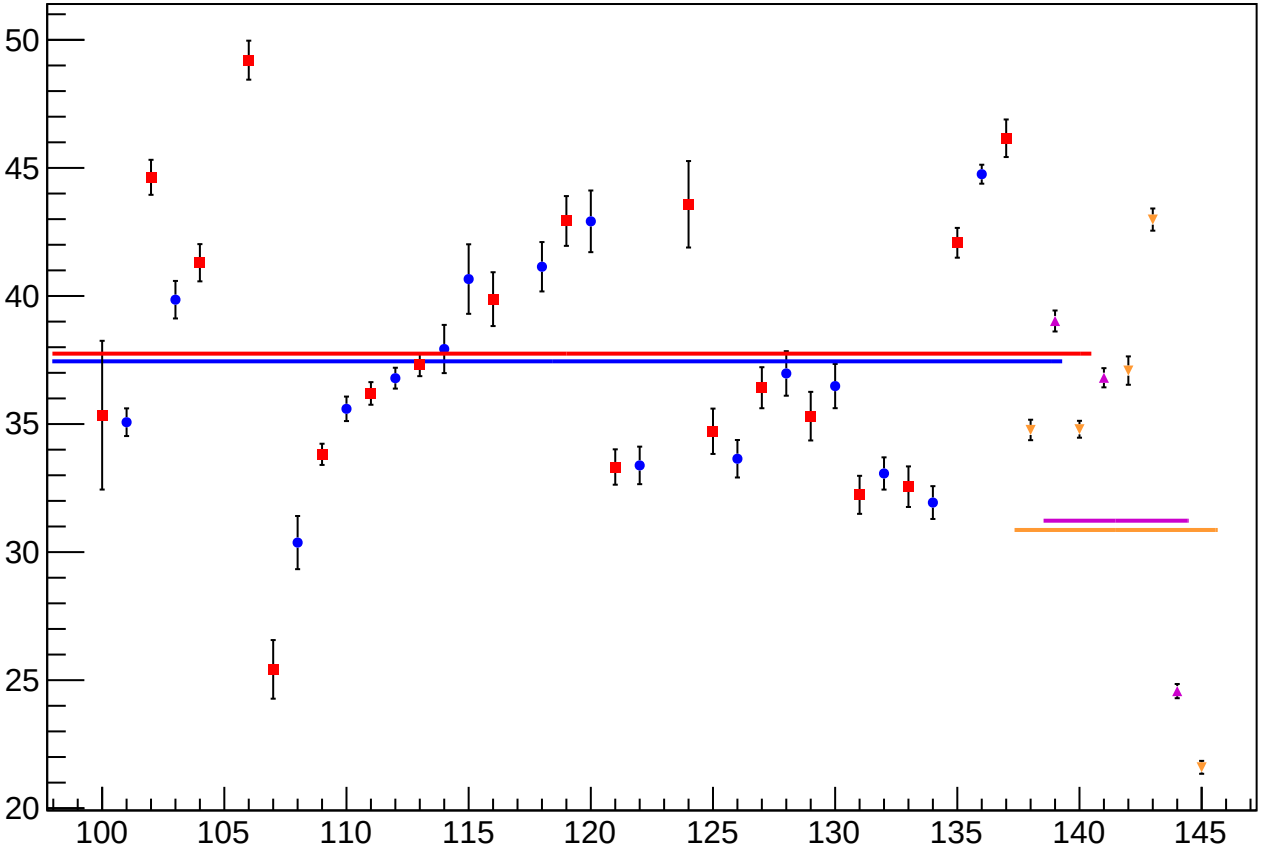
Left In: -2.497+/-0.155 χ^2/NDF:61.2/2

+ sign -2.436+/-0.097 χ^2/NDF: 374.0/20

All: -2.589+/-0.073 χ^2/NDF: 720.5/42

- sign -2.787+/-0.111 χ^2/NDF: 340.8/21

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

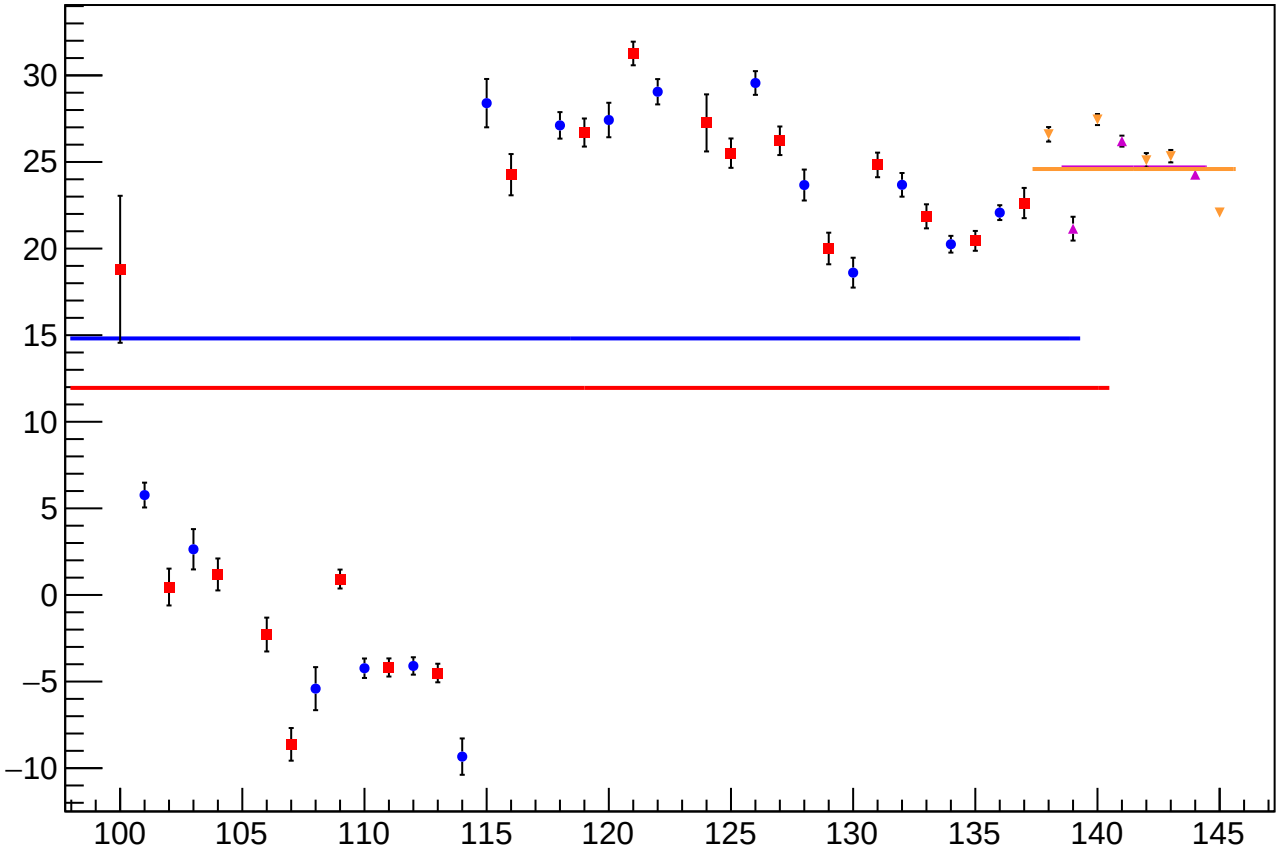
Left In: 31.226+/-0.196 χ^2/NDF:1158.0/2

+ sign 34.114+/-0.113 χ^2/NDF: 4051.3/20

All: 34.585+/-0.083 χ^2/NDF: 6878.0/42

- sign 35.151+/-0.124 χ^2/NDF: 2788.3/21

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

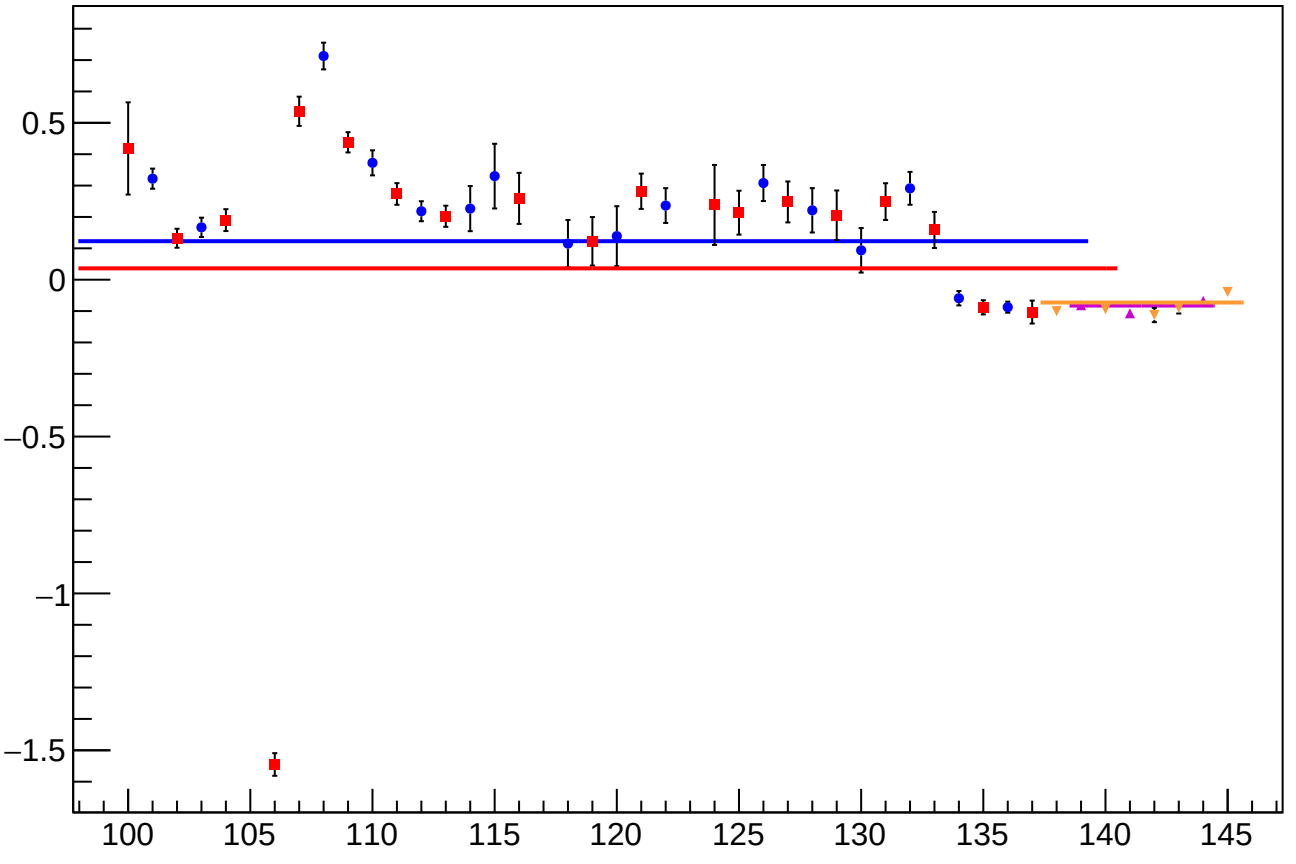
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.686+/-0.181 χ^2/NDF:52.6/2

+ sign 20.601+/-0.111 χ^2/NDF: 7788.6/20

All: 19.542+/-0.083 χ^2/NDF: 16685.3/42

- sign 18.168+/-0.127 χ^2/NDF: 8688.0/21



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.073+/-0.007 χ^2/NDF:20.3/4

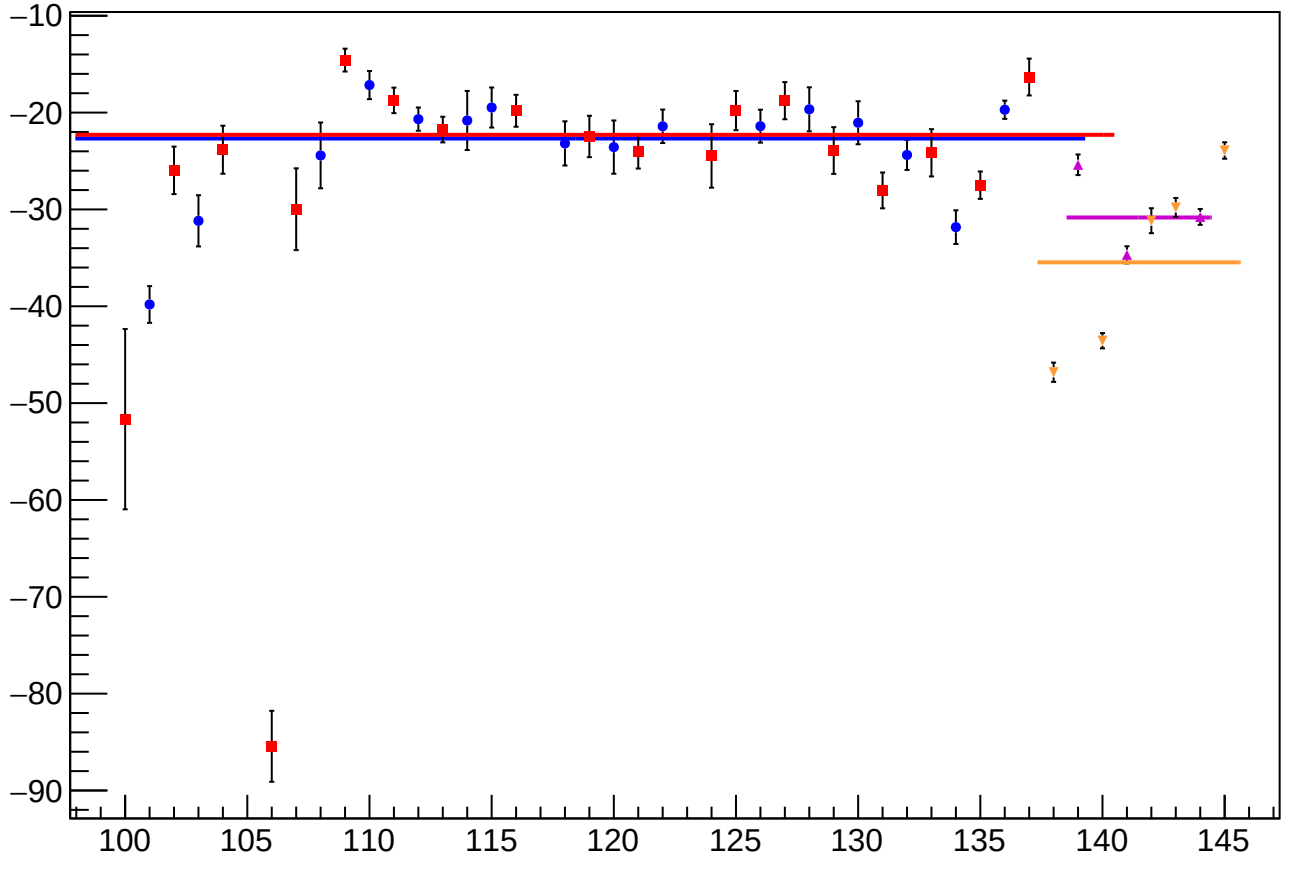
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.082+/-0.008 χ^2/NDF:4.1/2

+ sign -0.009+/-0.005 χ^2/NDF: 831.7/20

All: -0.020+/-0.004 χ^2/NDF: 3348.0/42

- sign -0.035+/-0.006 χ^2/NDF: 2506.7/21



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

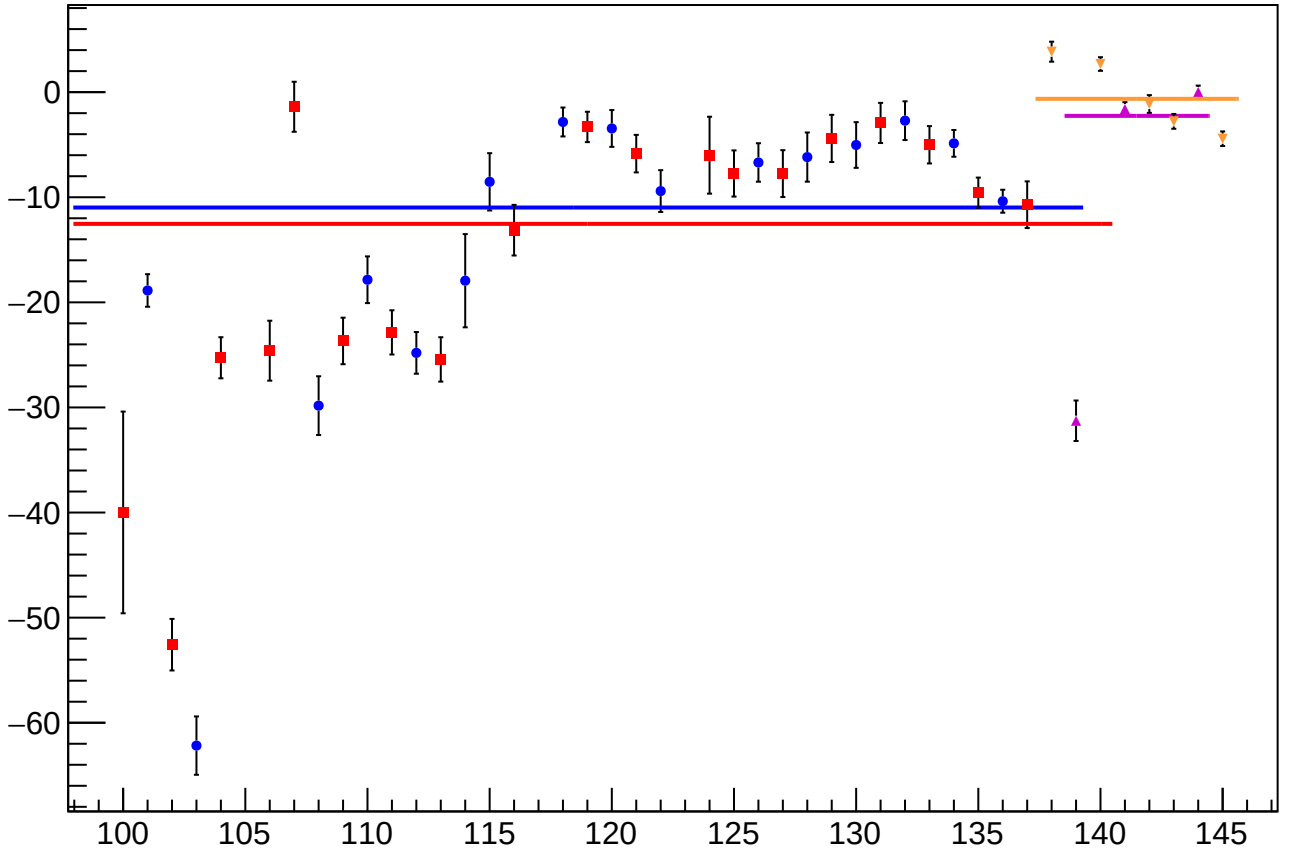
Left In: -30.831+/-0.524 χ^2/NDF:45.1/2

+ sign -29.278+/-0.302 χ^2/NDF: 1066.9/20

All: -27.707+/-0.224 χ^2/NDF: 1734.8/42

- sign -25.779+/-0.335 χ^2/NDF: 607.7/21

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

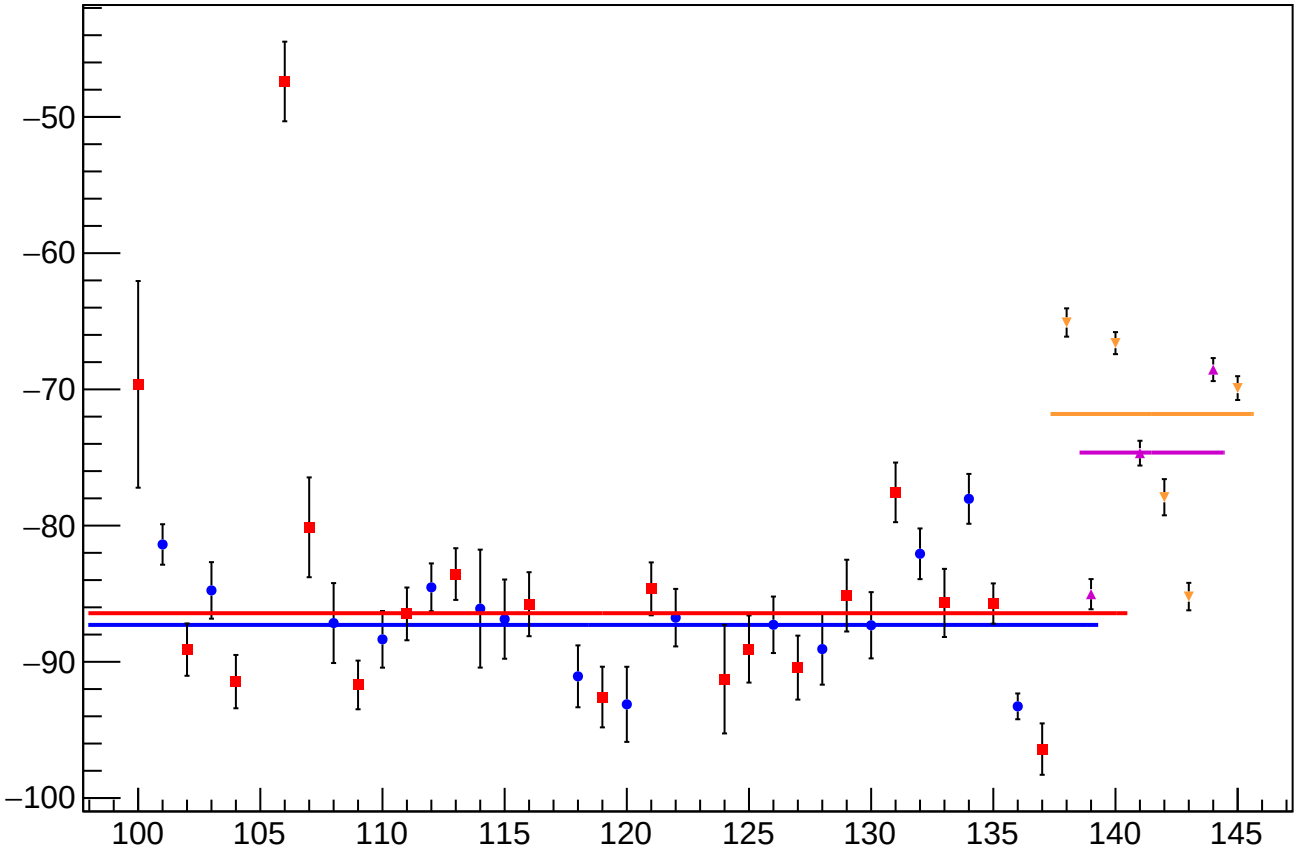
Left In: -2.258+/-0.430 χ^2/NDF:242.2/2

+ sign -4.276+/-0.269 χ^2/NDF: 1012.2/20

All: -5.326+/-0.206 χ^2/NDF: 2117.3/42

- sign -6.817+/-0.320 χ^2/NDF: 1068.2/21

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -71.806+/-0.434 χ^2/NDF:285.8/4

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

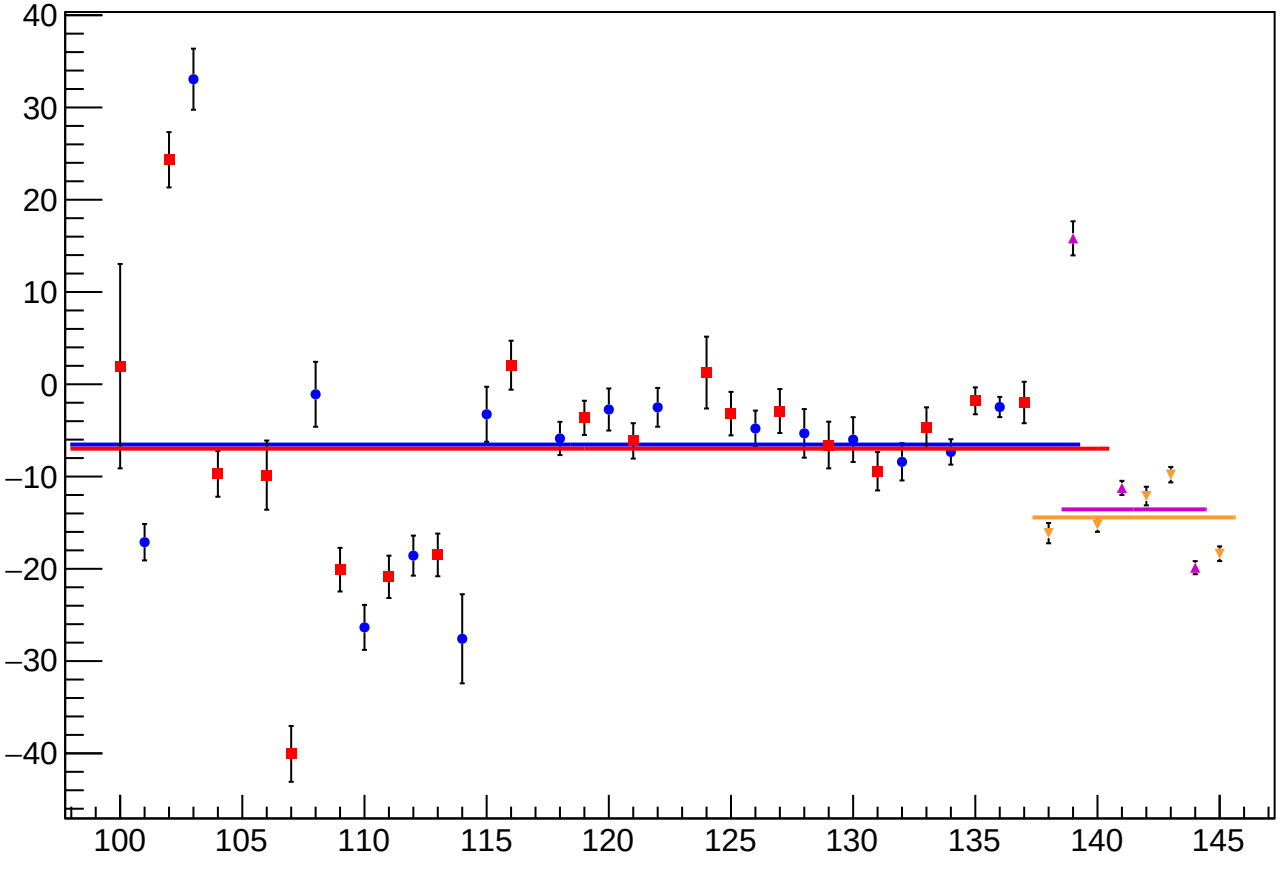
Left In: -74.639+/-0.540 χ^2/NDF:140.1/2

\+ sign -78.759+/-0.322 χ^2/NDF: 959.1/20

All: -79.694+/-0.243 χ^2/NDF: 1637.2/42

\- sign -80.923+/-0.369 χ^2/NDF: 658.7/21

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

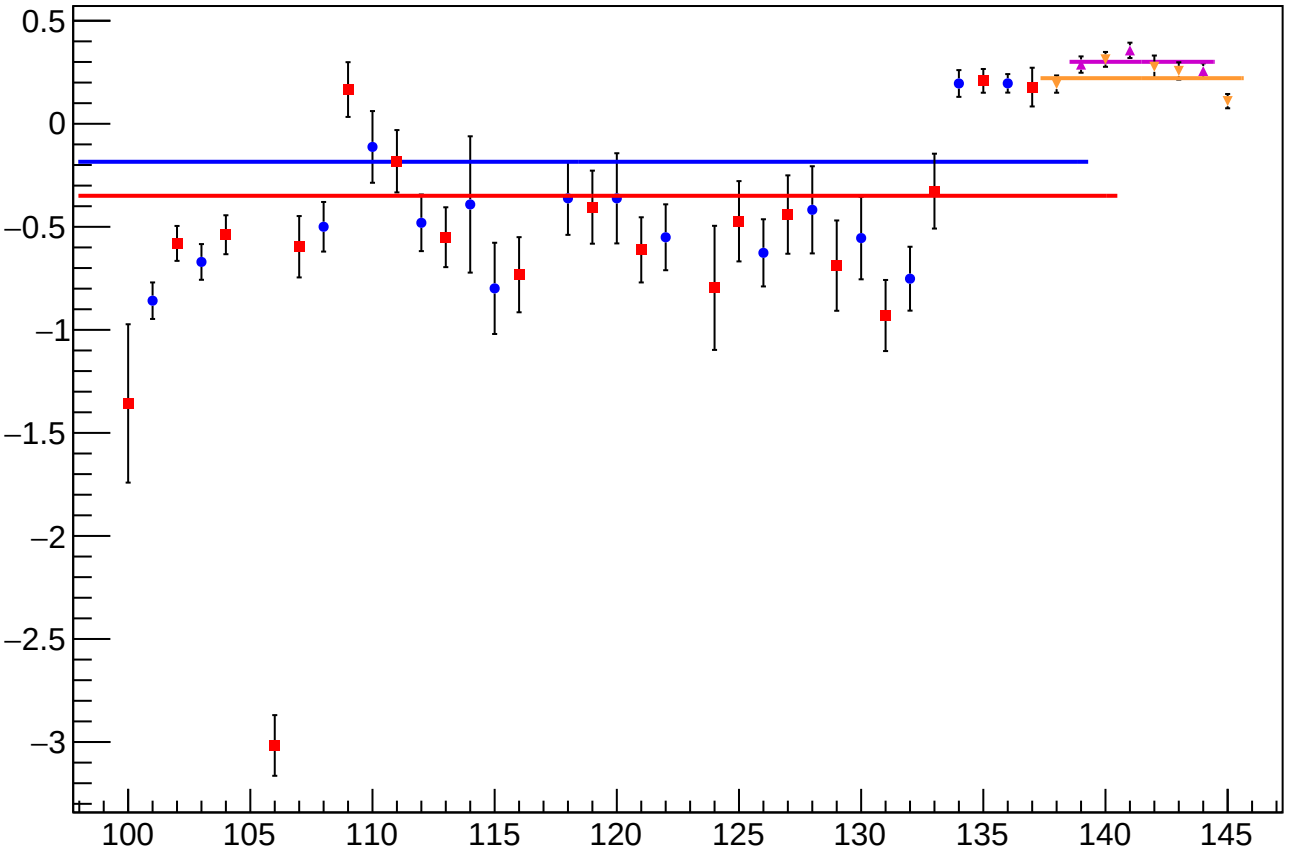
Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -13.561+/-0.502 χ^2/NDF:341.3/2

+ sign -11.466+/-0.311 χ^2/NDF: 528.6/20

All: -11.072+/-0.238 χ^2/NDF: 1321.5/42

- sign -10.521+/-0.368 χ^2/NDF: 789.1/21



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.221+/-0.018 χ^2/NDF:18.9/4

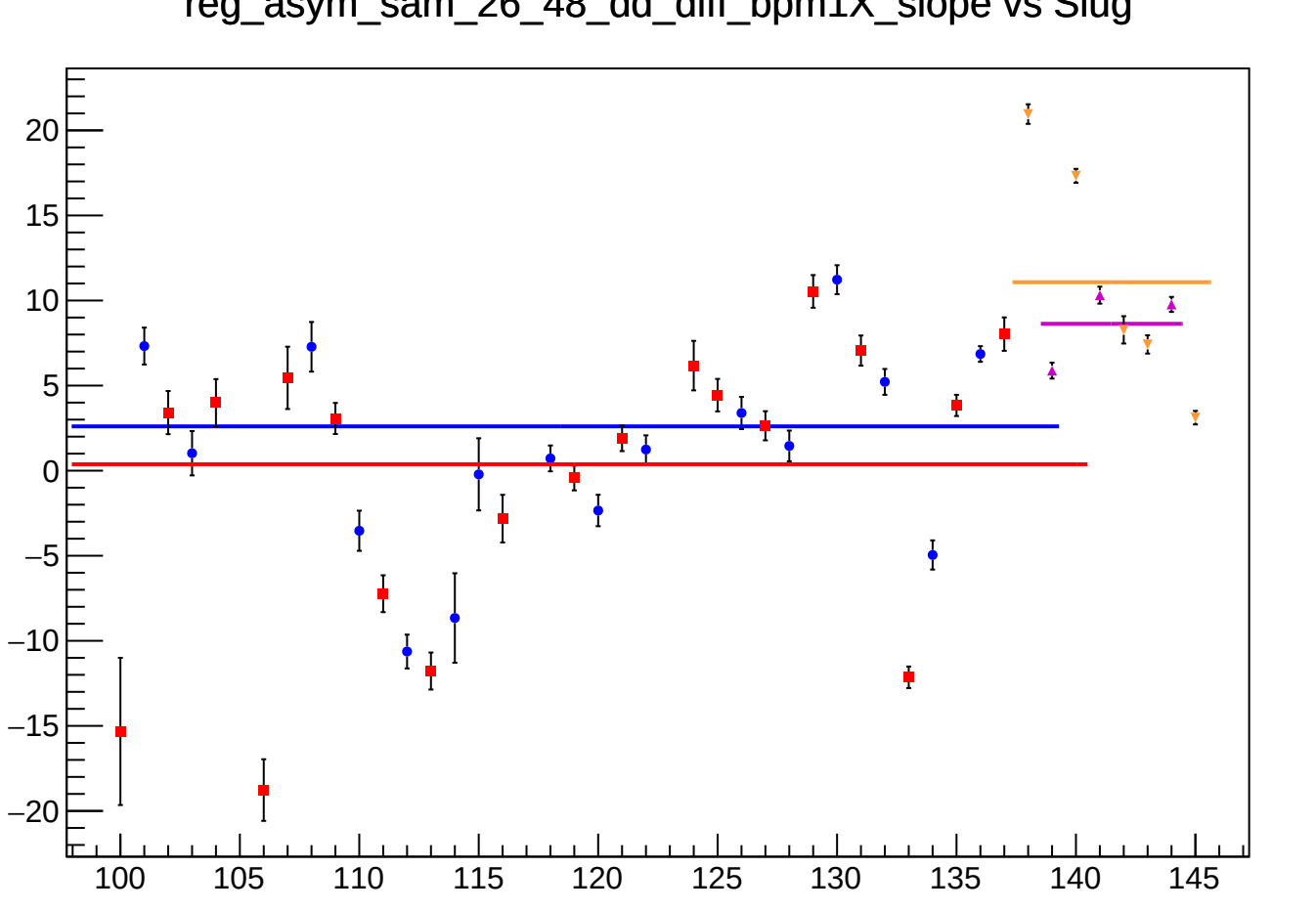
Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.301+/-0.022 χ^2/NDF:3.8/2

+ sign 0.095+/-0.015 χ^2/NDF: 424.2/20

All: 0.083+/-0.011 χ^2/NDF: 1260.2/42

- sign 0.066+/-0.018 χ^2/NDF: 834.4/21



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 11.076+/-0.222 χ^2/NDF:986.5/4

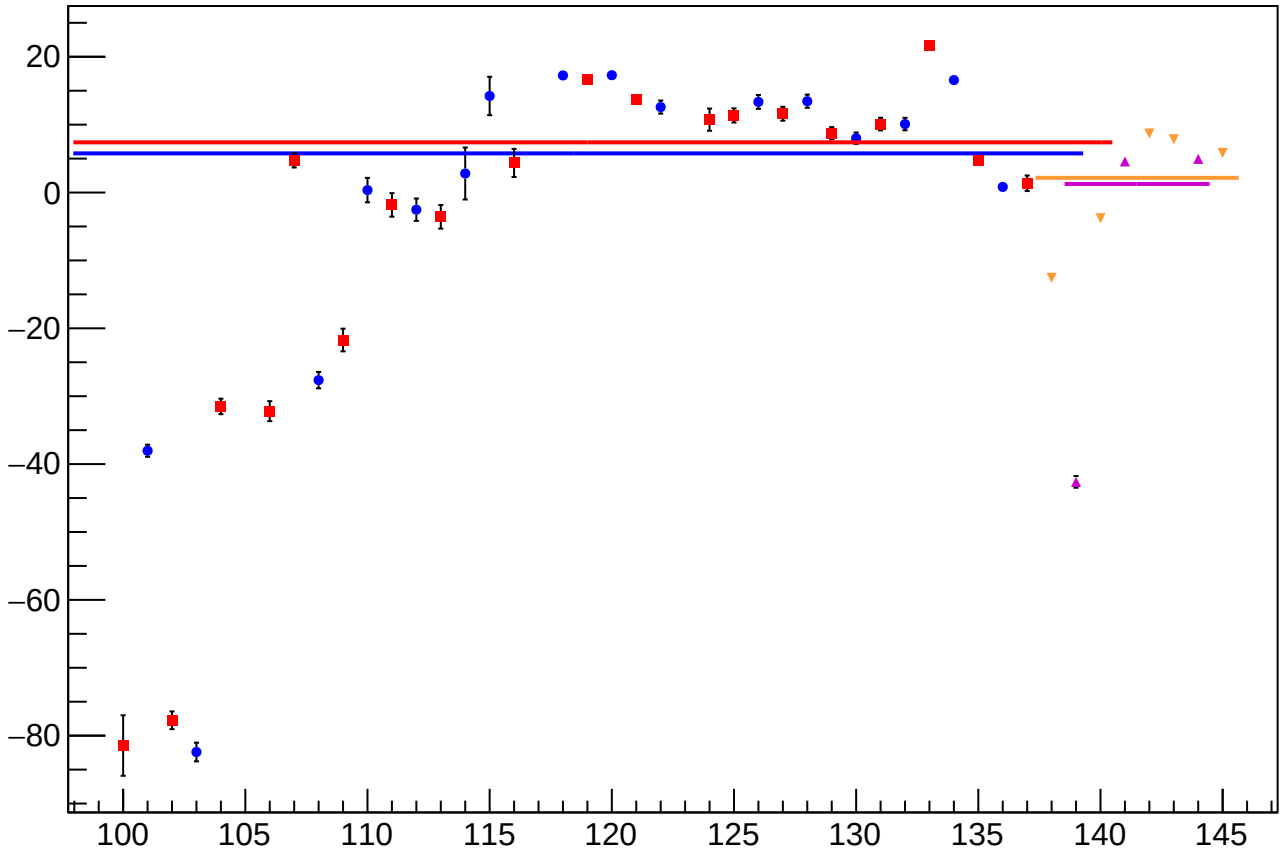
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 8.633+/-0.270 χ^2/NDF:52.8/2

+ sign 6.884+/-0.158 χ^2/NDF: 2281.7/20

All: 5.434+/-0.116 χ^2/NDF: 4108.7/42

- sign 3.717+/-0.171 χ^2/NDF: 1642.1/21



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 2.169+/-0.180 χ^2/NDF:1431.7/4

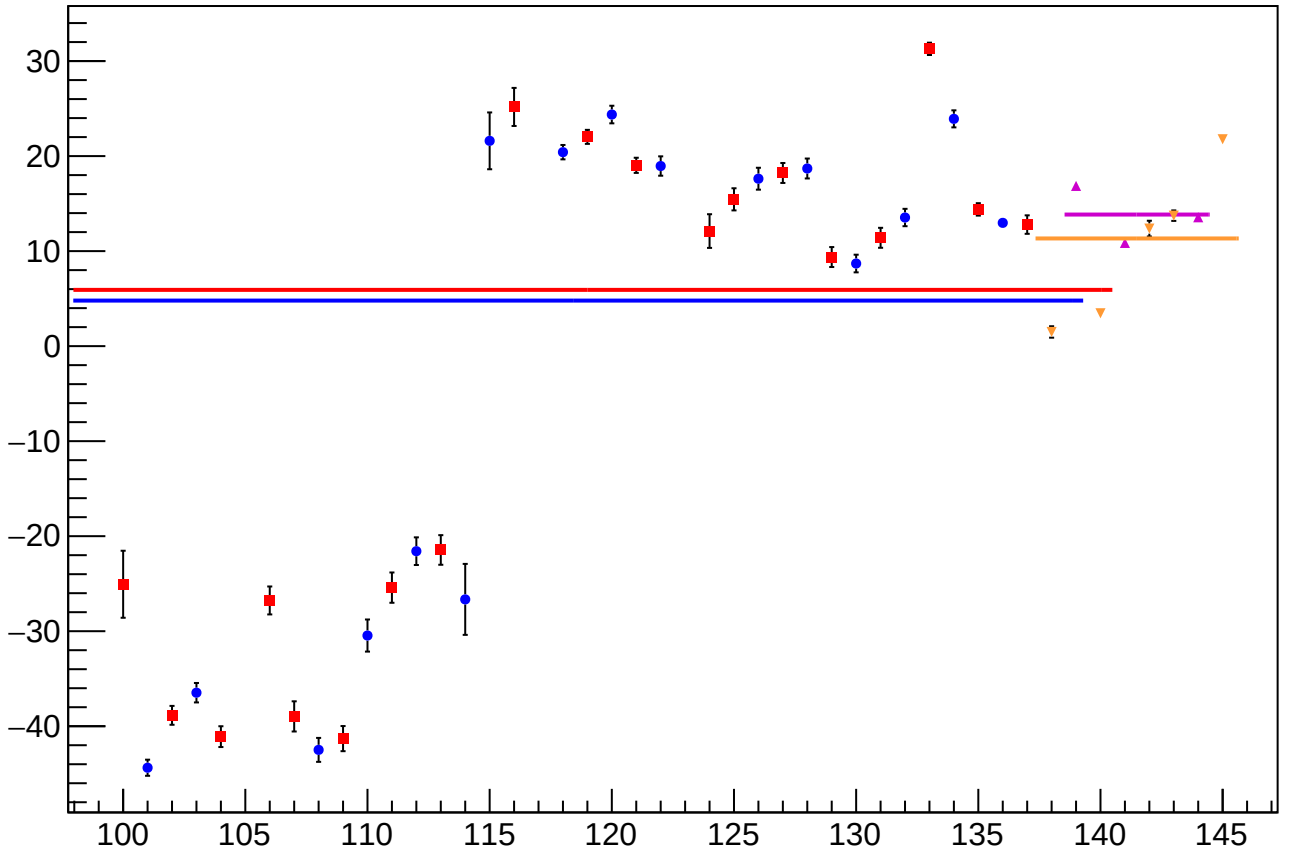
Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 1.260+/-0.234 χ^2/NDF:2823.3/2

+ sign 3.698+/-0.137 χ^2/NDF: 10534.8/20

All: 4.125+/-0.103 χ^2/NDF: 22153.0/42

- sign 4.680+/-0.156 χ^2/NDF: 11595.8/21



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

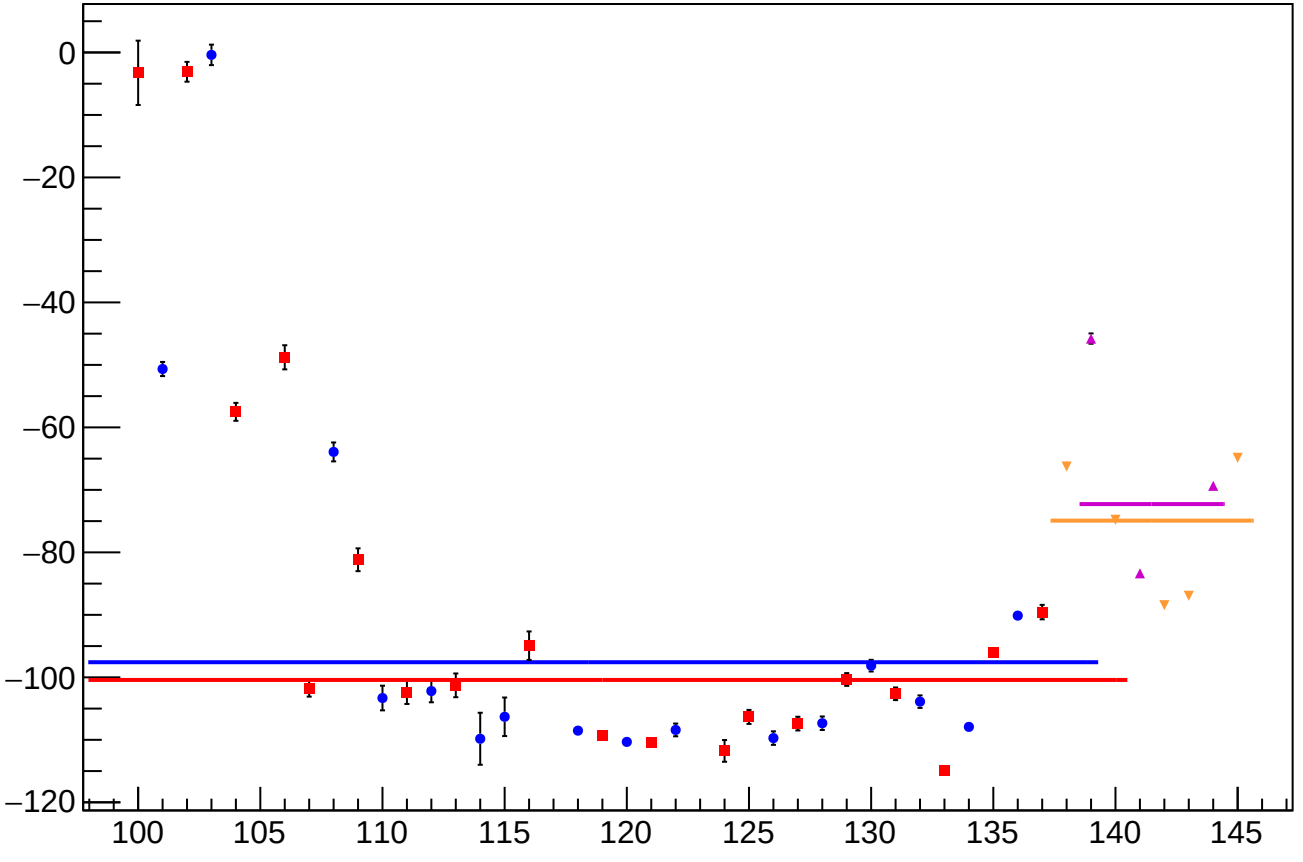
Left In: 13.848+/-0.278 χ^2/NDF:73.1/2

+ sign 8.188+/-0.165 χ^2/NDF: 11181.7/20

All: 8.689+/-0.122 χ^2/NDF: 21800.2/42

- sign 9.300+/-0.182 χ^2/NDF: 10597.9/21

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

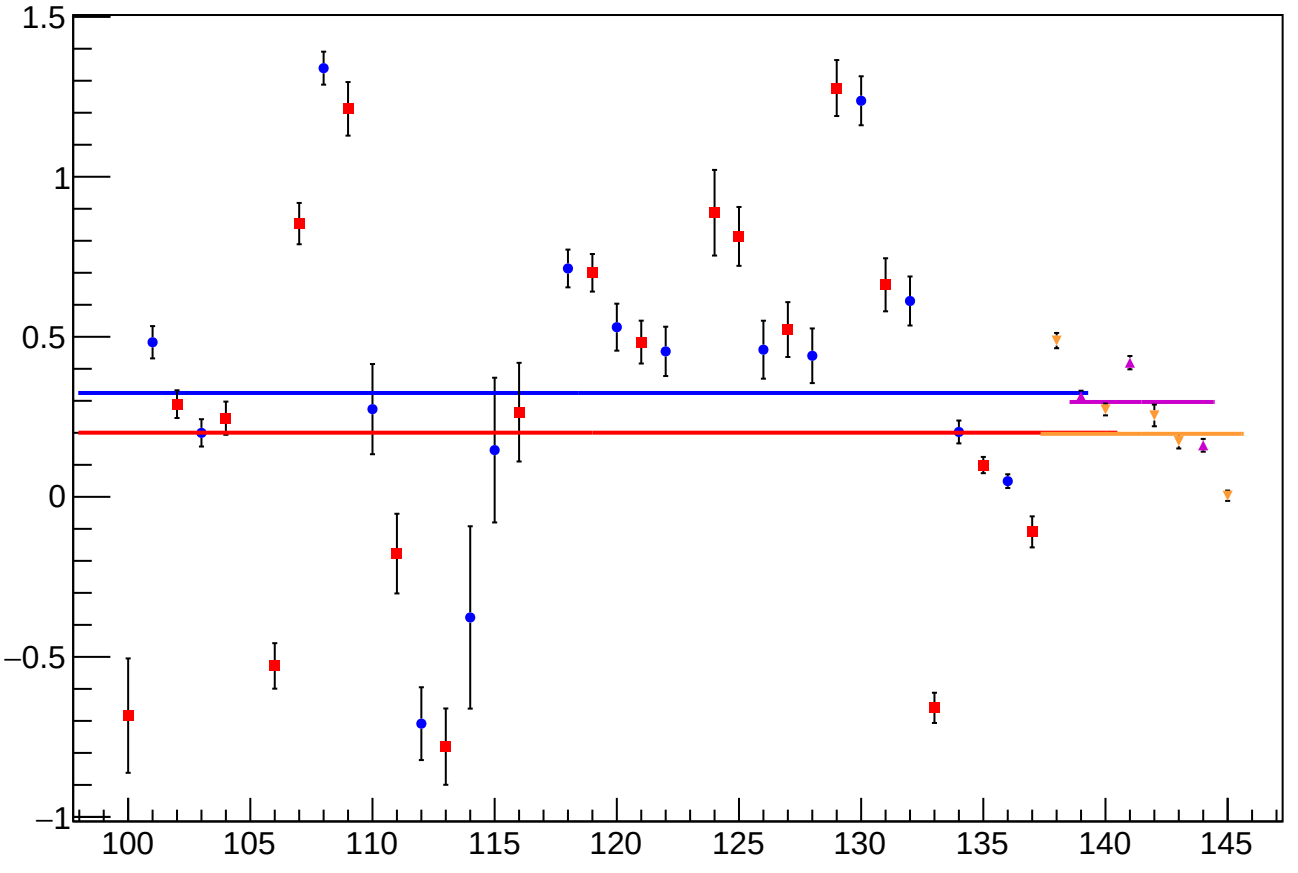
Left In: -72.273+/-0.271 χ^2/NDF:1741.9/2

+ sign -84.731+/-0.159 χ^2/NDF: 14151.1/20

All: -86.159+/-0.119 χ^2/NDF: 29216.6/42

- sign -87.989+/-0.180 χ^2/NDF: 14881.7/21

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

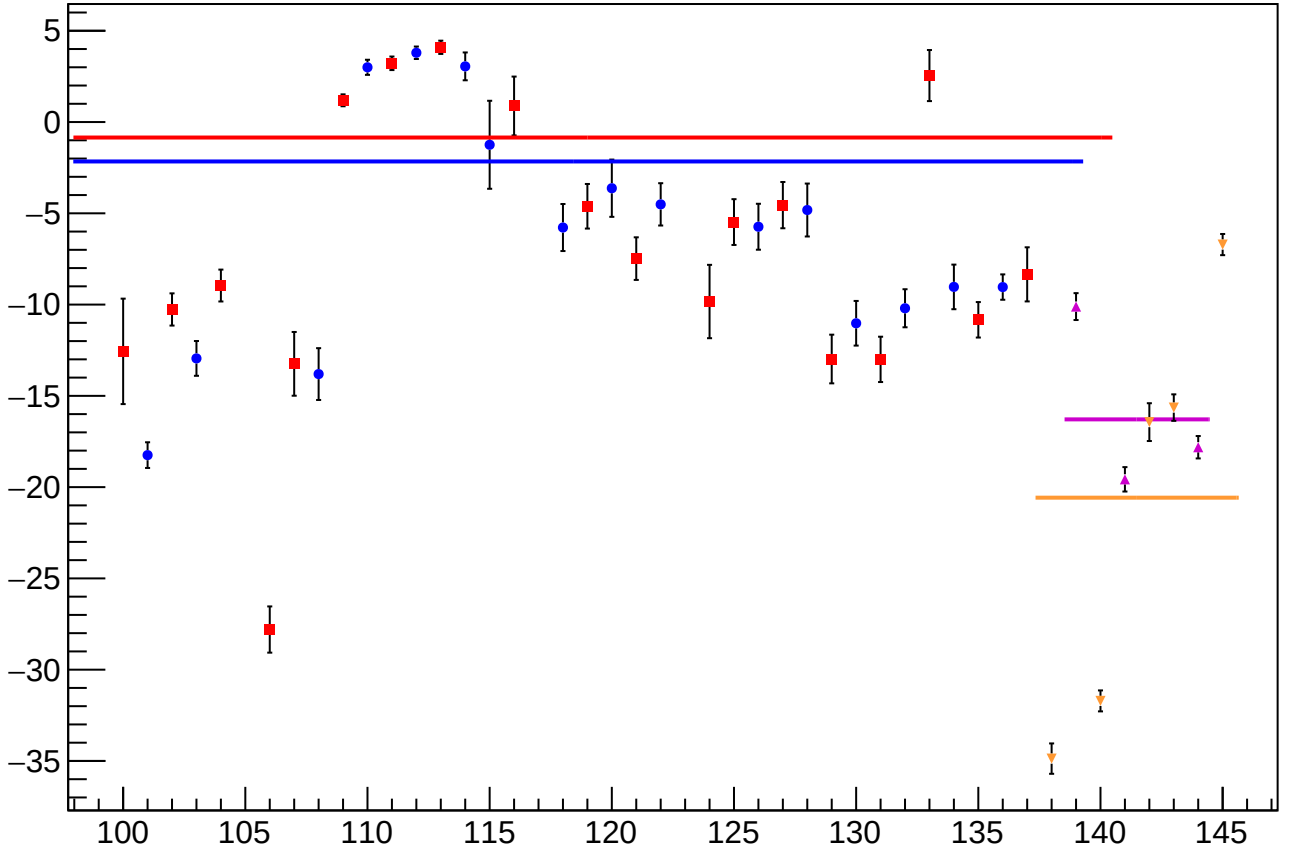
Left In: 0.296+/-0.011 χ^2/NDF:81.5/2

+ sign 0.240+/-0.008 χ^2/NDF: 1260.4/20

All: 0.248+/-0.006 χ^2/NDF: 2579.9/42

- sign 0.259+/-0.009 χ^2/NDF: 1316.9/21

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

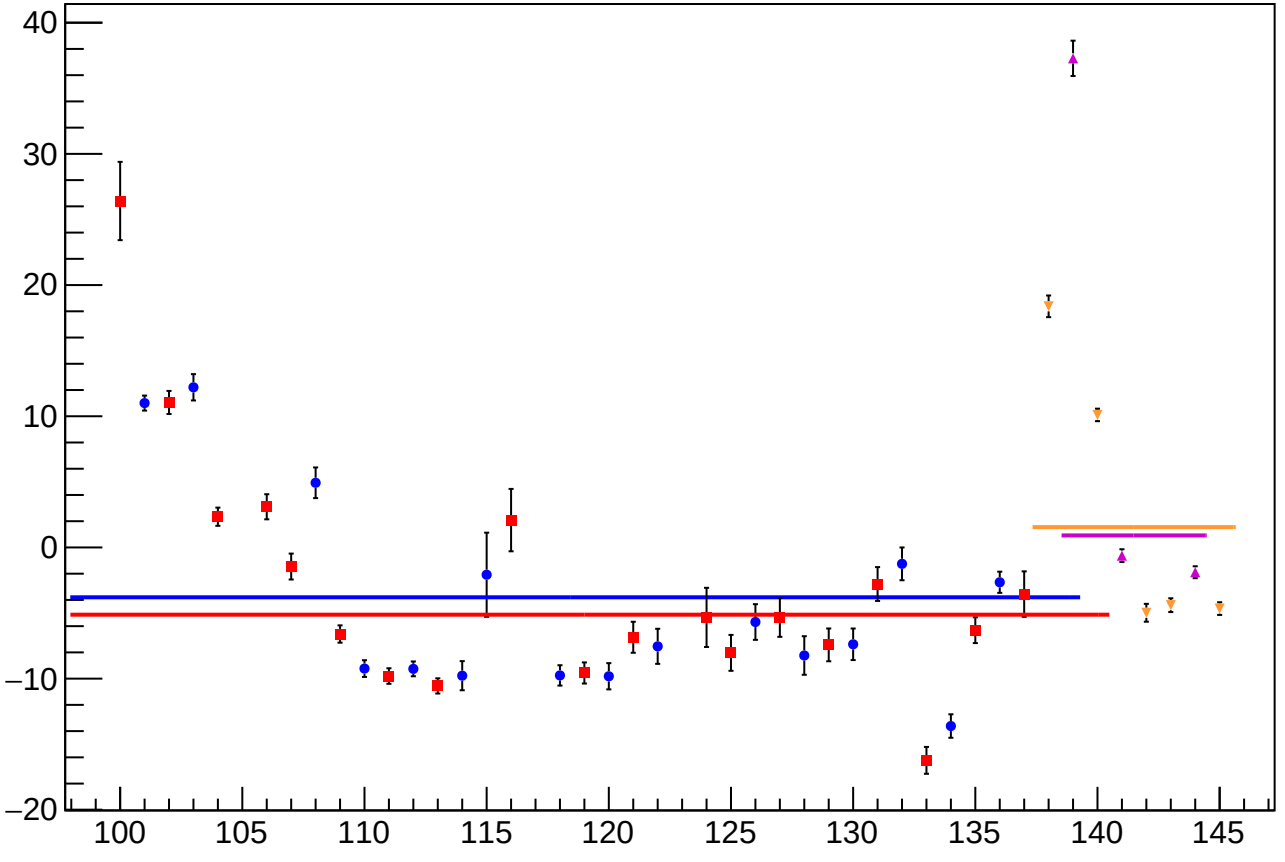
Left In: -16.288+/-0.385 χ^2/NDF:100.8/2

+ sign -7.220+/-0.163 χ^2/NDF: 5324.7/20

All: -5.206+/-0.113 χ^2/NDF: 8524.7/42

- sign -3.376+/-0.156 χ^2/NDF: 2910.4/21

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

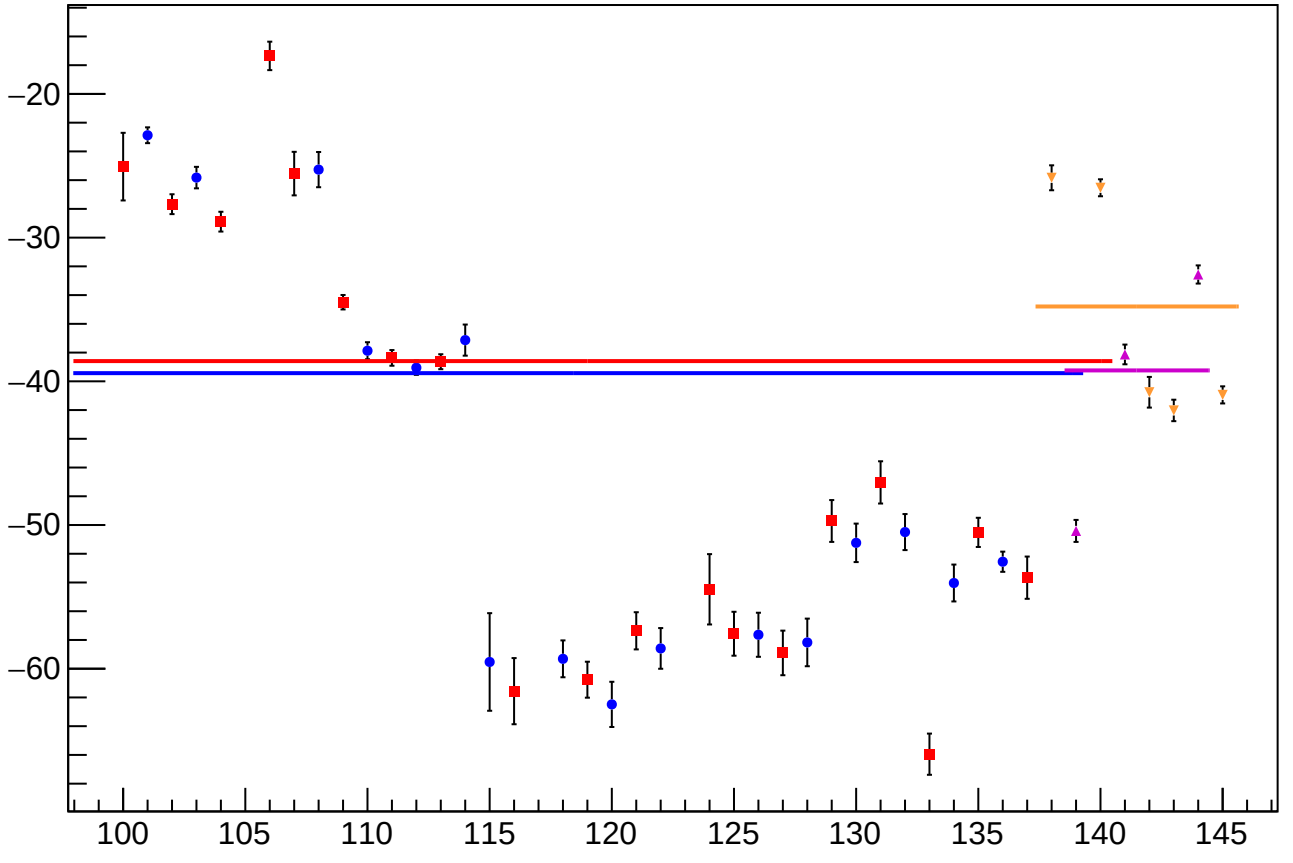
Left In: 0.917+/-0.323 χ^2/NDF:778.1/2

+ sign -1.406+/-0.168 χ^2/NDF: 2798.8/20

All: -2.246+/-0.123 χ^2/NDF: 4851.8/42

- sign -3.225+/-0.181 χ^2/NDF: 1998.8/21

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

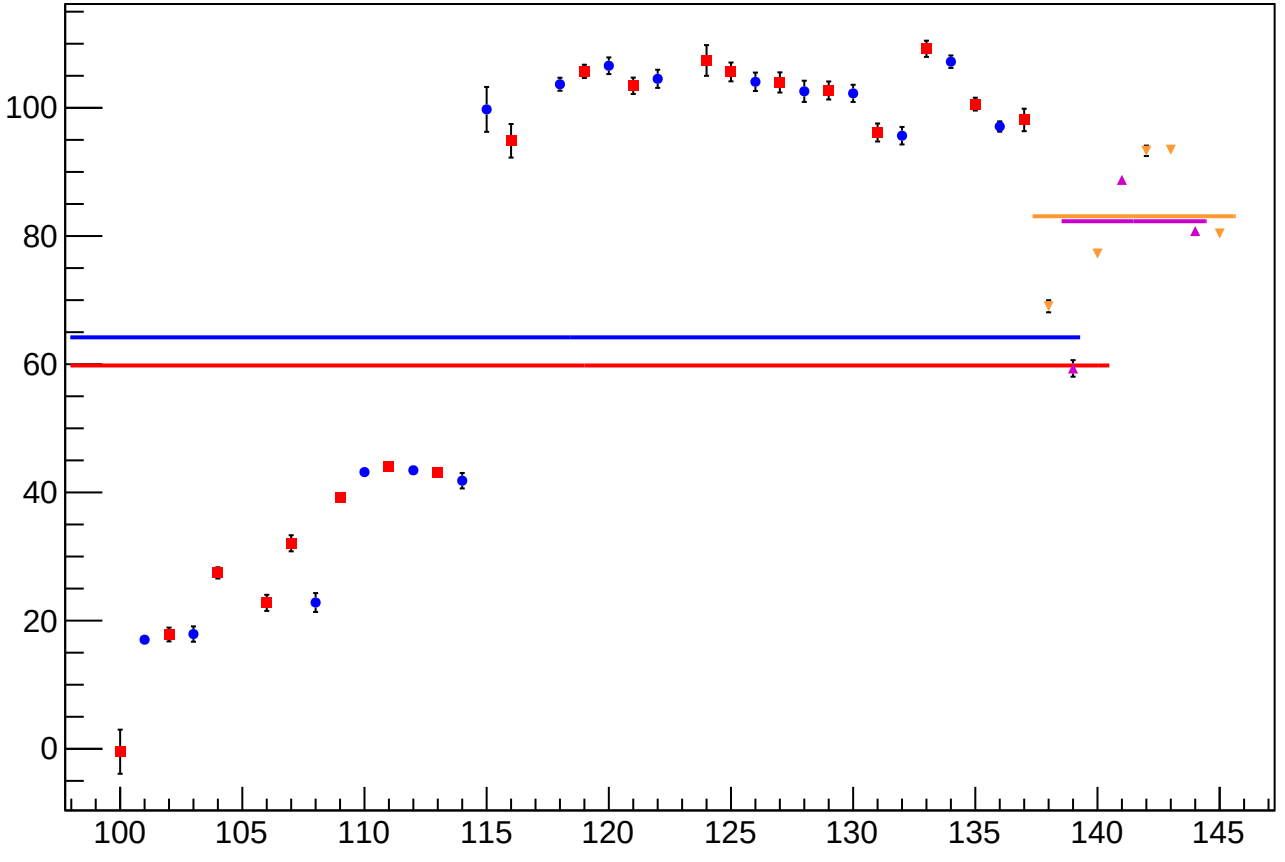
Left In: -39.241+/-0.397 χ^2/NDF:327.0/2

+ sign -37.901+/-0.185 χ^2/NDF: 3631.8/20

All: -38.312+/-0.132 χ^2/NDF: 6743.2/42

- sign -38.737+/-0.187 χ^2/NDF: 3101.2/21

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

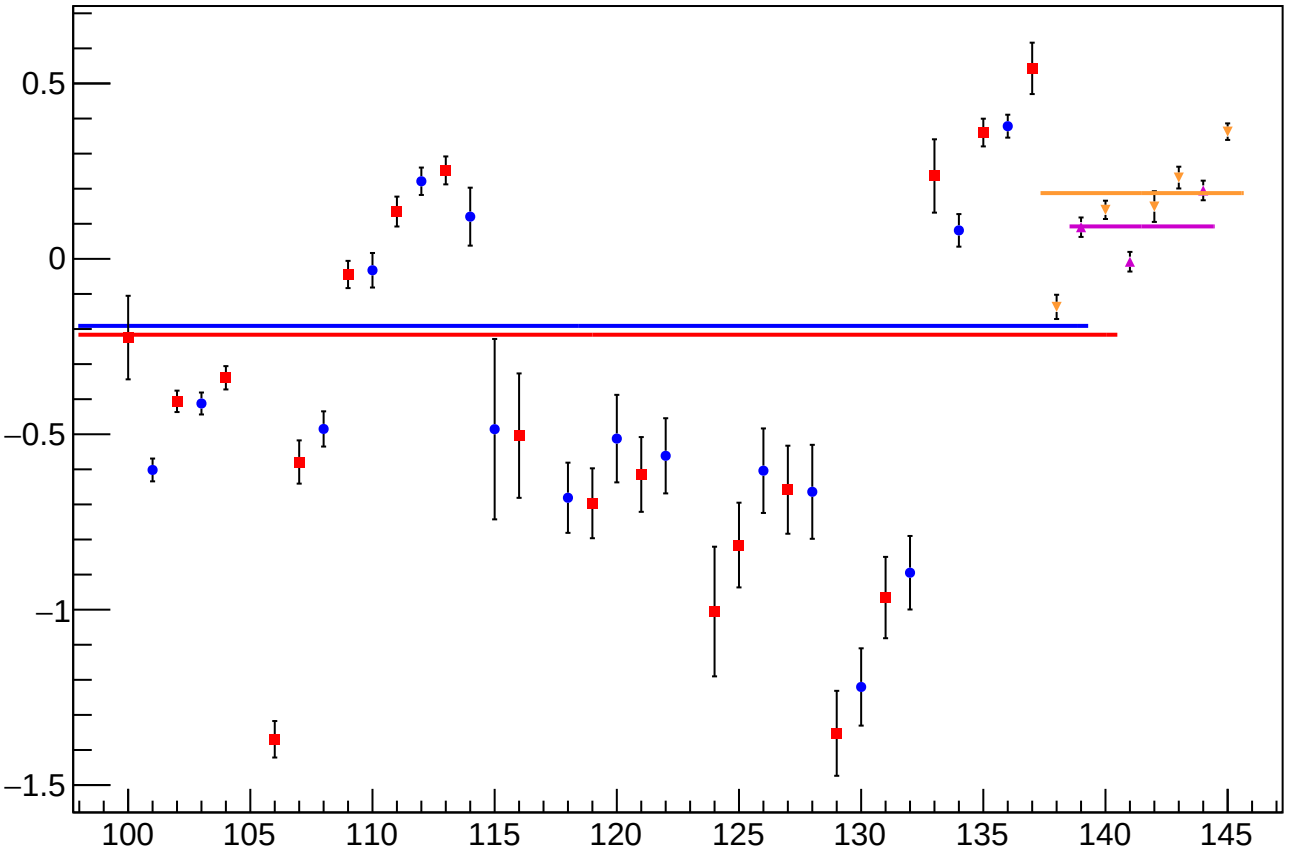
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 82.306+/-0.375 χ^2/NDF:447.5/2

+ sign 72.387+/-0.194 χ^2/NDF: 21715.1/20

All: 69.724+/-0.142 χ^2/NDF: 42497.5/42

- sign 66.676+/-0.207 χ^2/NDF: 20377.3/21



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

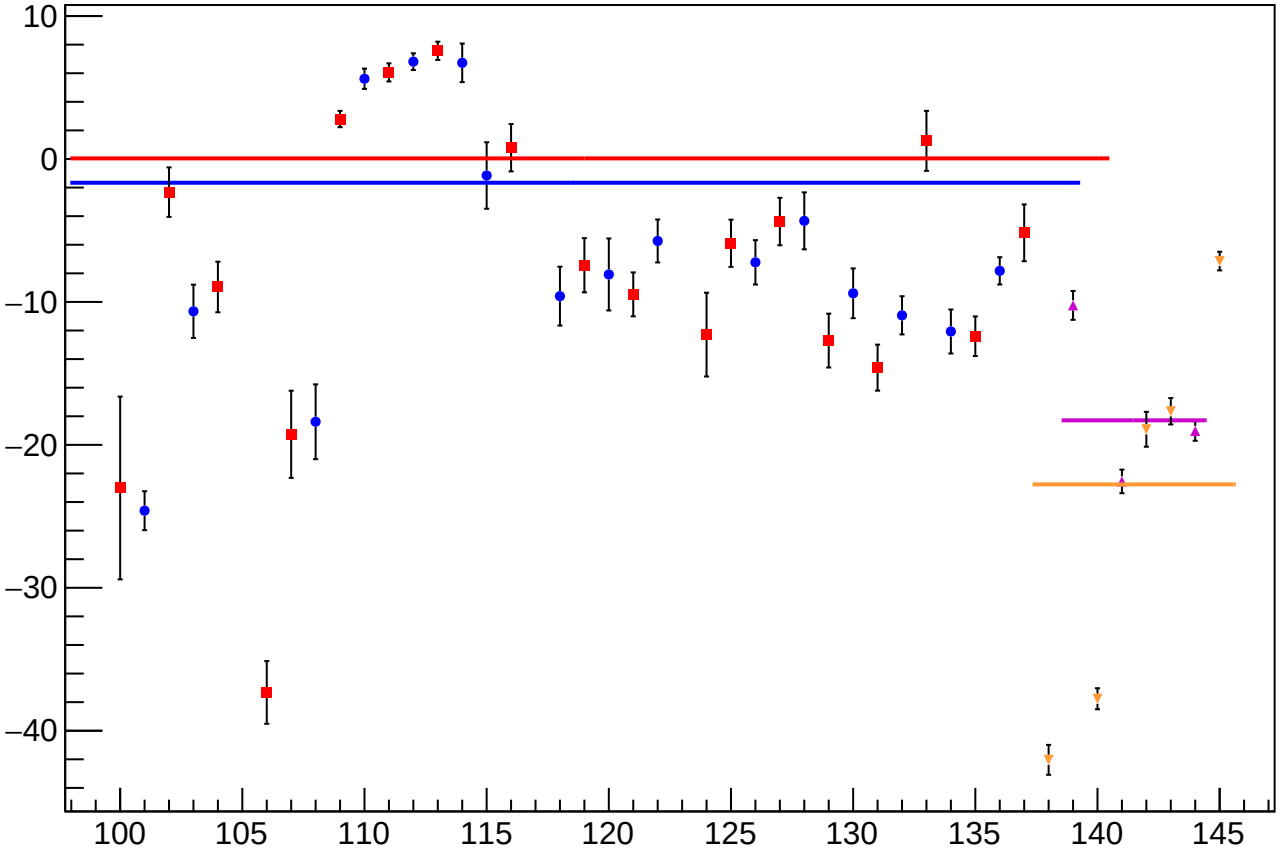
Left In: 0.092+/-0.016 χ^2/NDF:26.4/2

+ sign 0.000+/-0.009 χ^2/NDF: 1469.4/20

All: -0.044+/-0.007 χ^2/NDF: 3135.0/42

- sign -0.095+/-0.010 χ^2/NDF: 1618.1/21

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

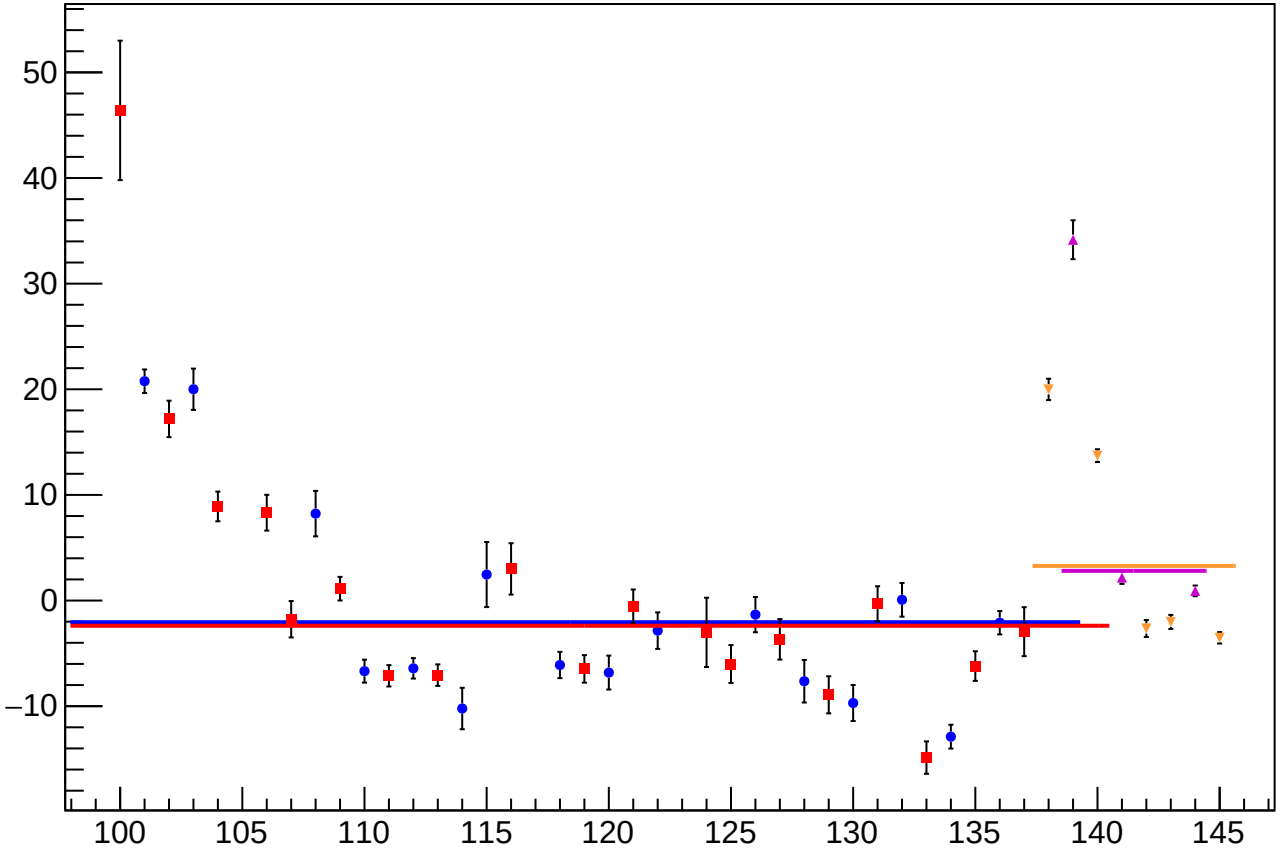
Left In: -18.284+/-0.467 χ^2/NDF:91.4/2

+ sign -10.043+/-0.239 χ^2/NDF: 4130.7/20

All: -7.474+/-0.170 χ^2/NDF: 6516.2/42

- sign -4.859+/-0.241 χ^2/NDF: 2152.7/21

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

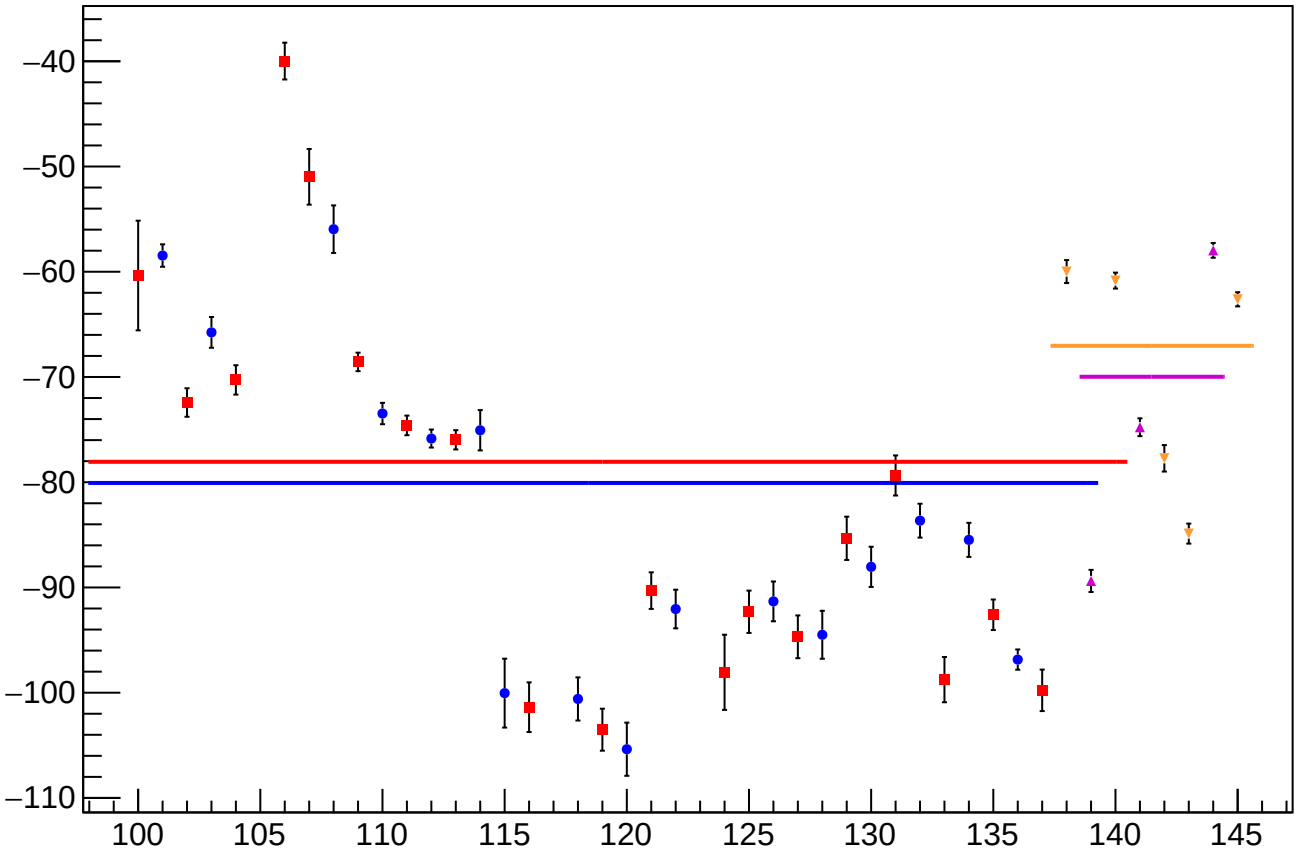
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 2.812+/-0.378 χ^2/NDF:304.7/2

+ sign 1.045+/-0.231 χ^2/NDF: 1746.8/20

All: 0.607+/-0.172 χ^2/NDF: 2611.0/42

- sign 0.054+/-0.259 χ^2/NDF: 856.1/21



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

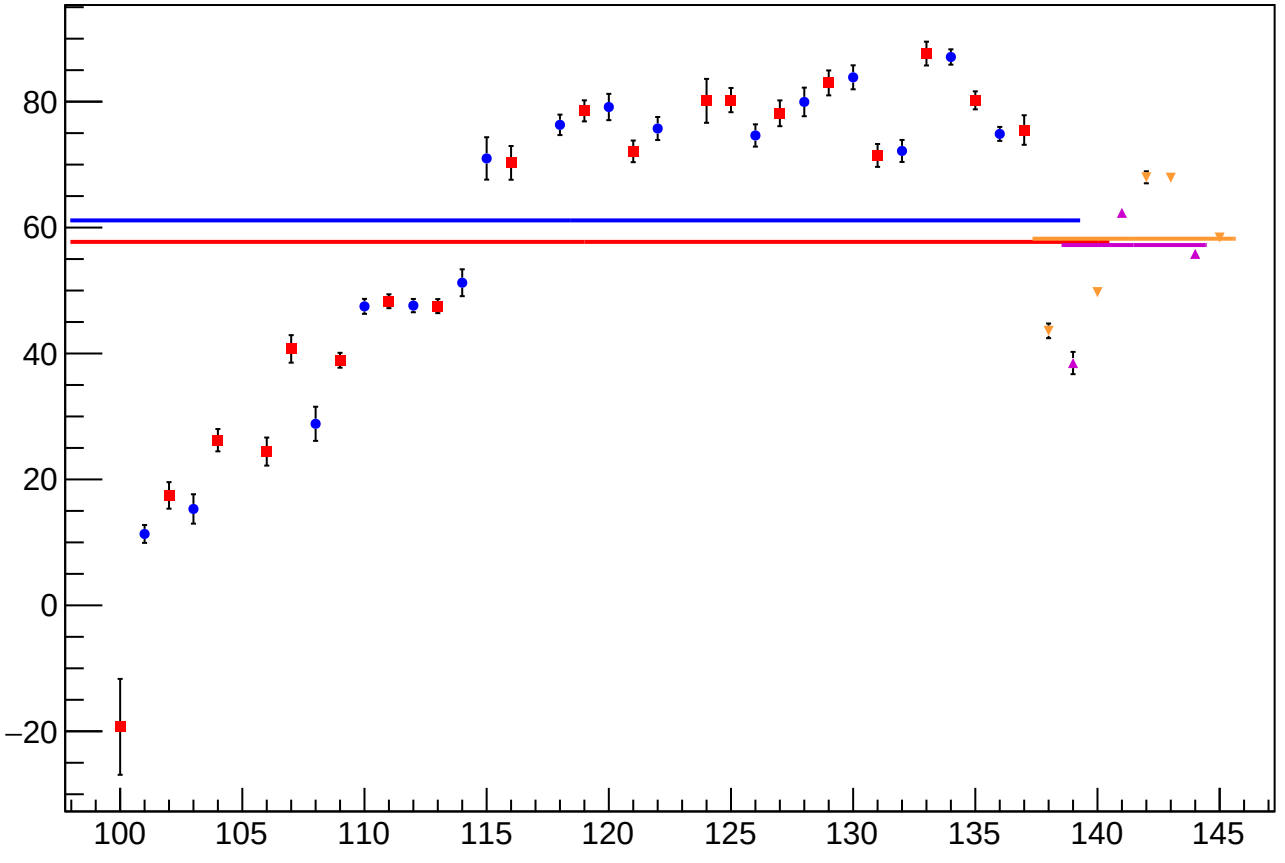
Left In: -69.979+/-0.481 χ^2/NDF:663.8/2

\+ sign -74.014+/-0.267 χ^2/NDF: 2558.2/20

All: -74.580+/-0.195 χ^2/NDF: 4976.0/42

\- sign -75.227+/-0.285 χ^2/NDF: 2408.1/21

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

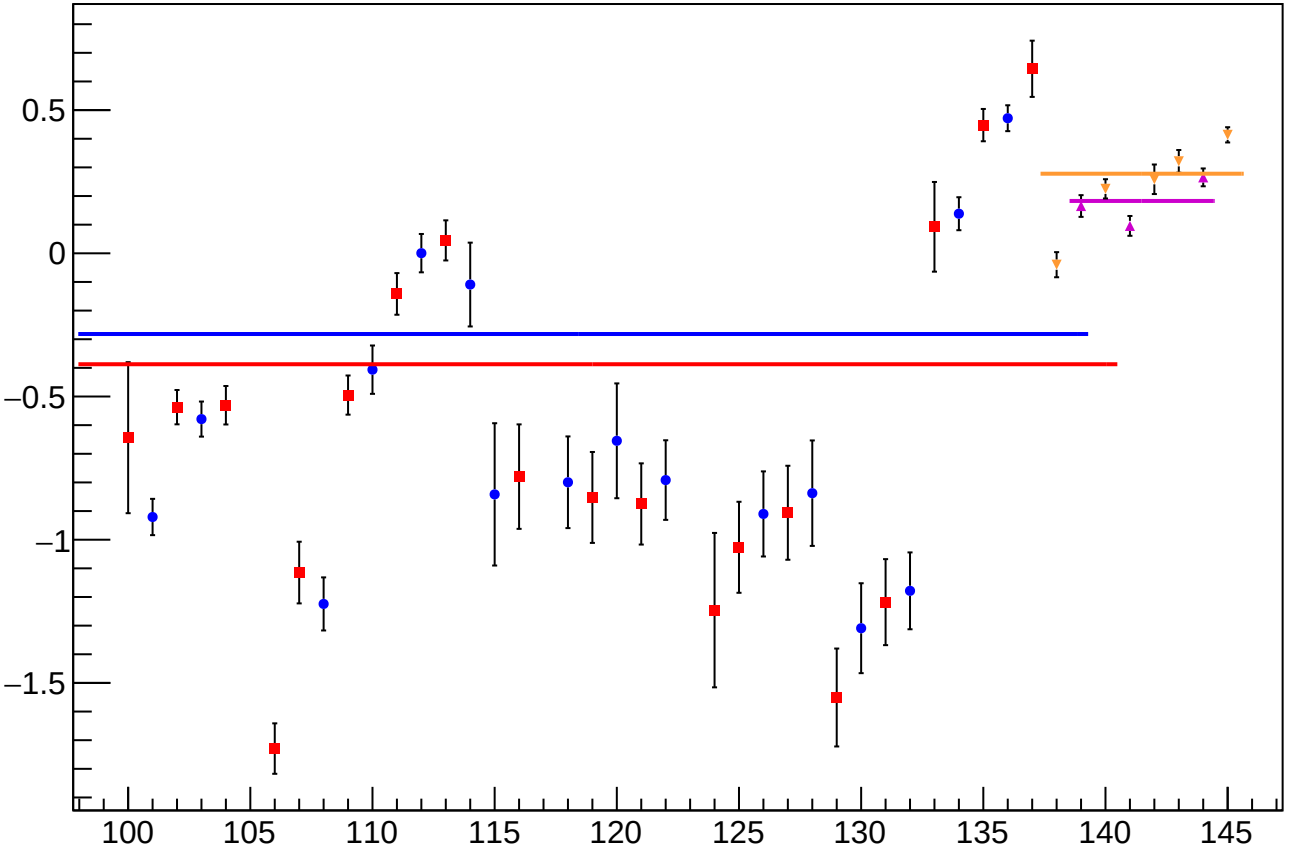
Left In: 57.225+/-0.441 χ^2/NDF:169.1/2

+ sign 59.511+/-0.266 χ^2/NDF: 3805.5/20

All: 58.615+/-0.198 χ^2/NDF: 6776.4/42

- sign 57.501+/-0.296 χ^2/NDF: 2945.4/21

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

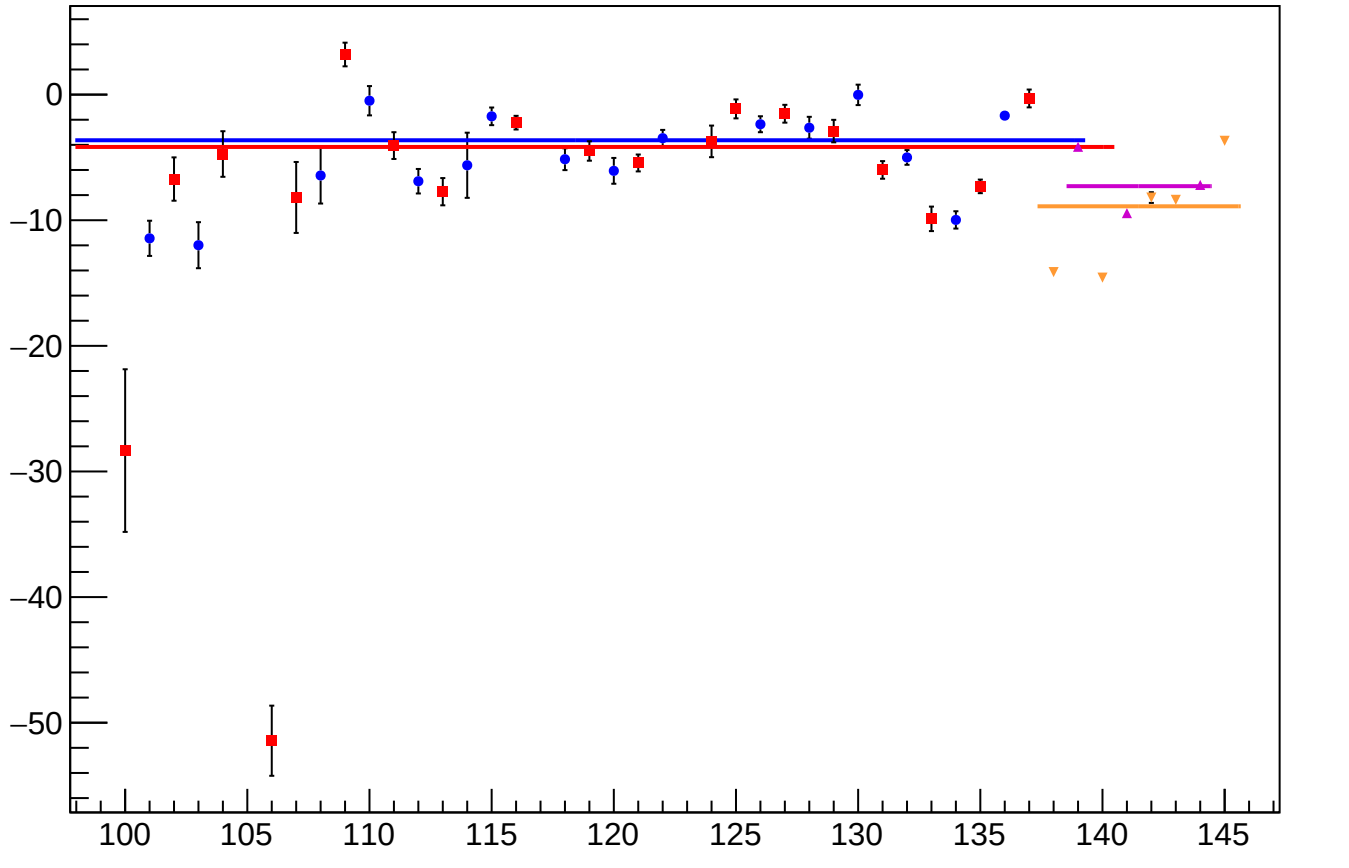
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.183+/-0.020 χ^2/NDF:13.6/2

+ sign 0.078+/-0.013 χ^2/NDF: 1240.2/20

All: 0.012+/-0.010 χ^2/NDF: 2505.2/42

- sign -0.073+/-0.015 χ^2/NDF: 1205.9/21



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

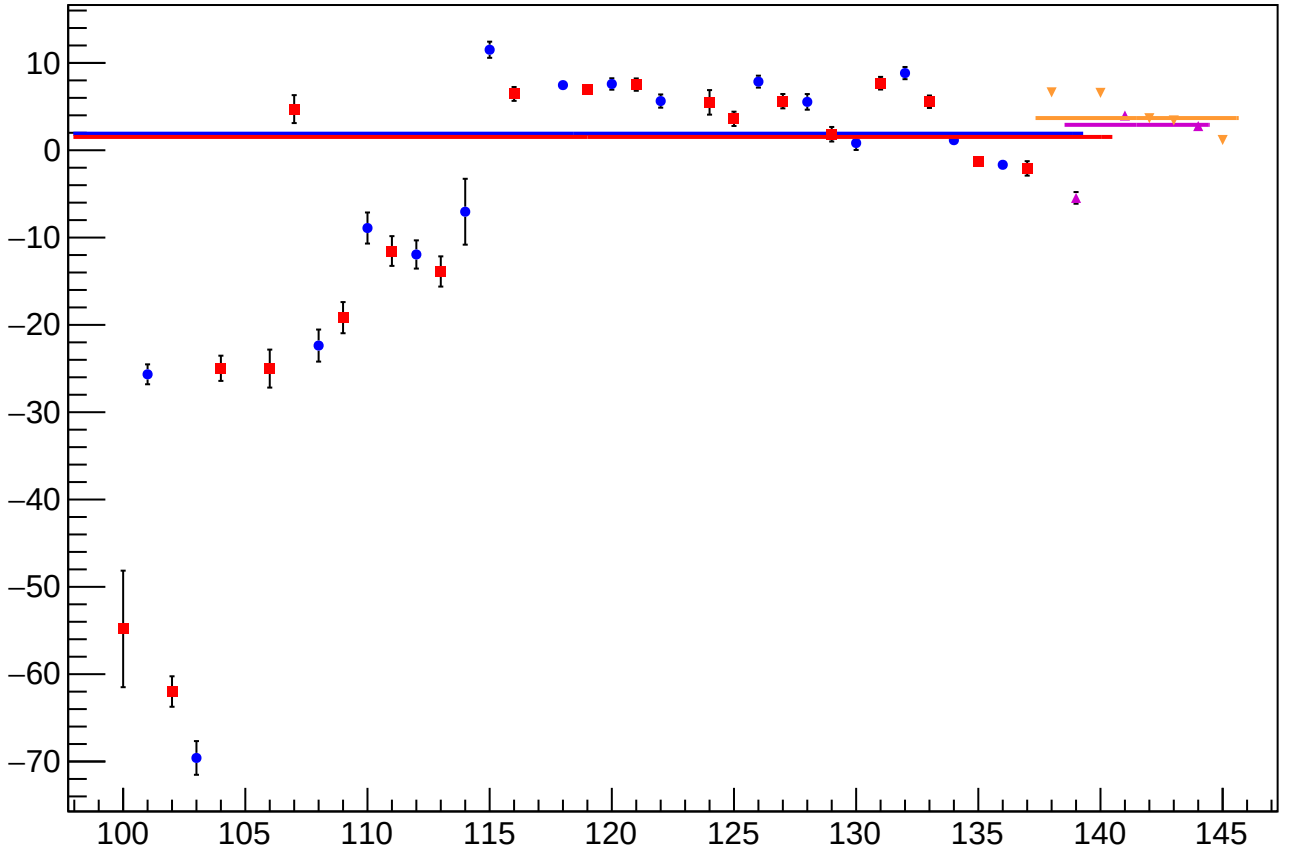
Left In: -7.289+/-0.162 χ^2/NDF:126.1/2

+ sign -7.210+/-0.107 χ^2/NDF: 2026.9/20

All: -6.722+/-0.081 χ^2/NDF: 2879.9/42

- sign -6.046+/-0.126 χ^2/NDF: 803.3/21

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

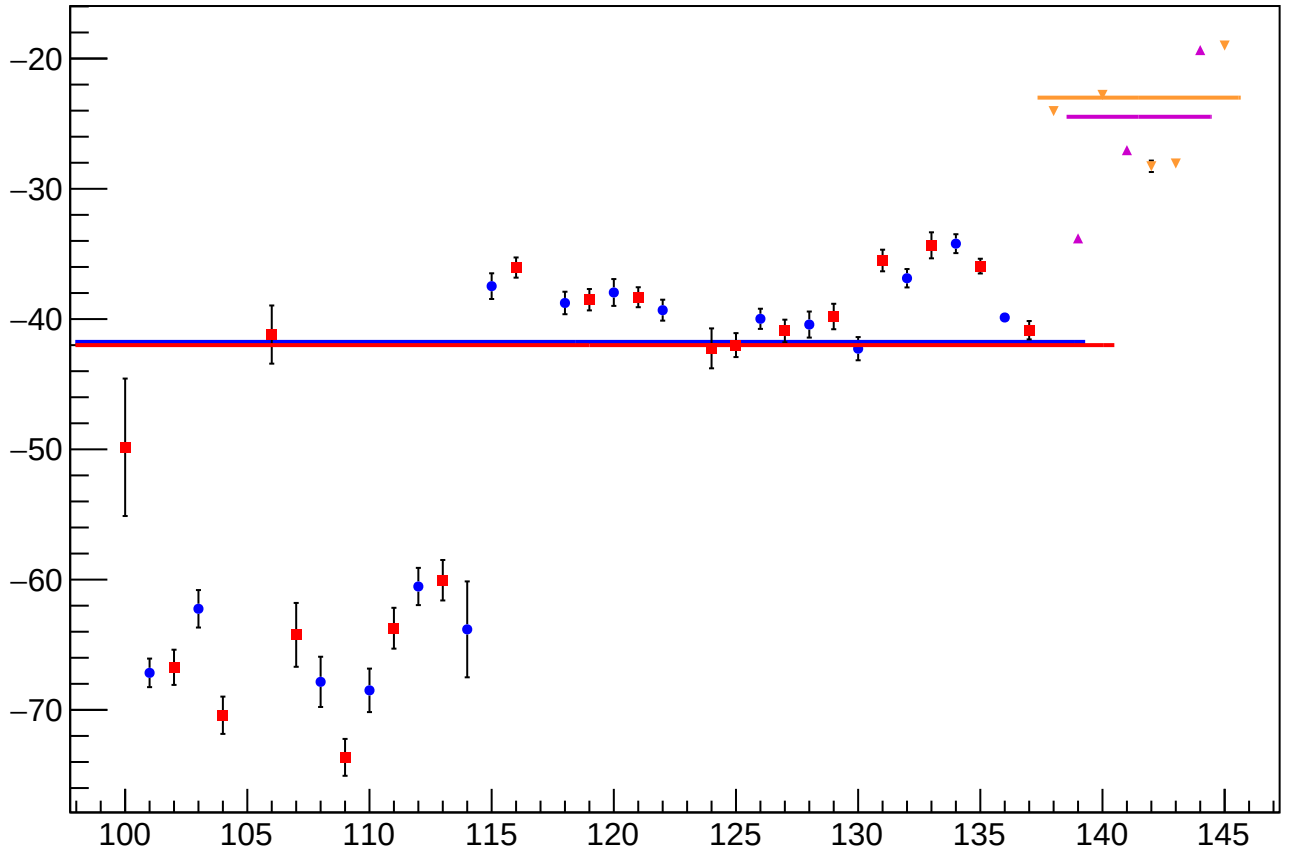
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.911+/-0.130 χ^2/NDF:182.1/2

+ sign 3.278+/-0.090 χ^2/NDF: 3358.1/20

All: 2.974+/-0.070 χ^2/NDF: 6159.9/42

- sign 2.523+/-0.110 χ^2/NDF: 2773.7/21



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -23.000+/-0.134 χ^2/NDF:728.7/4

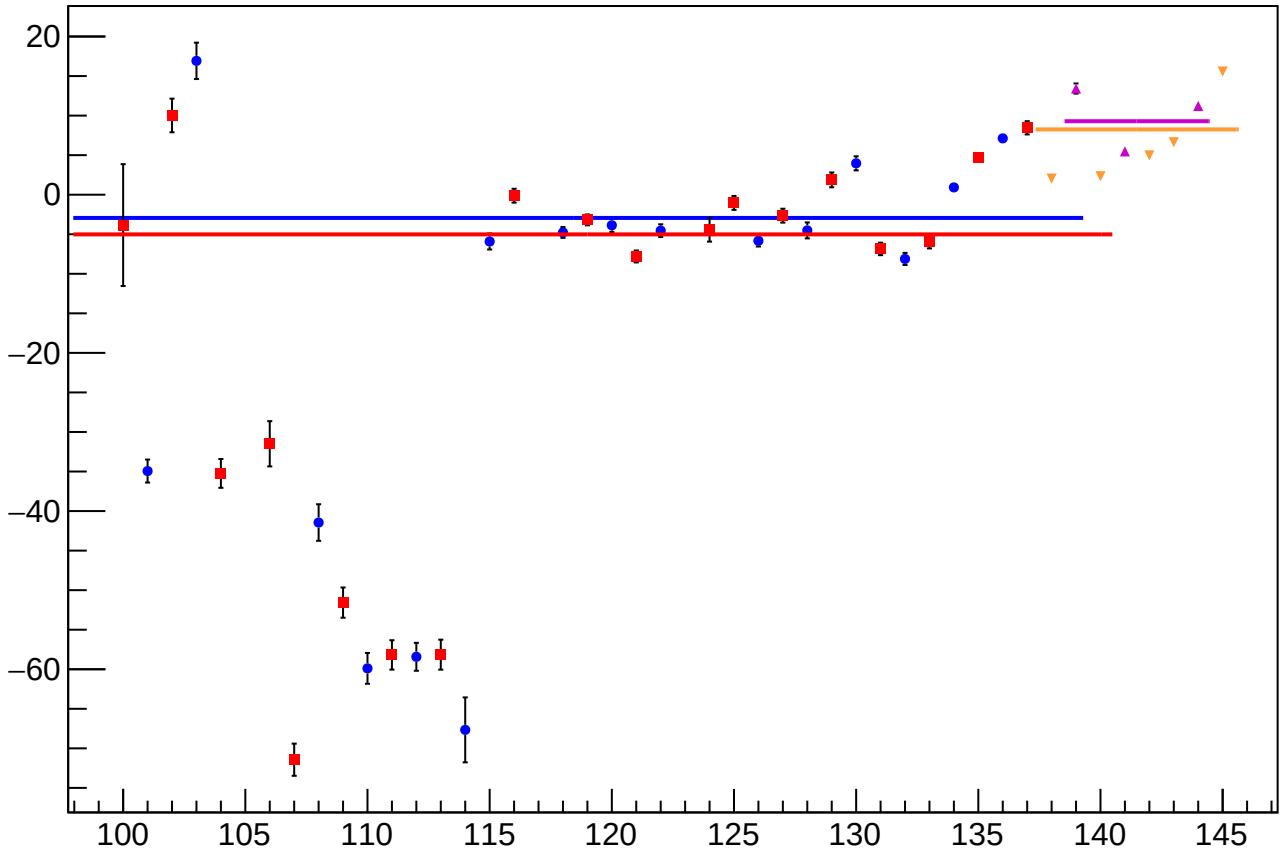
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -24.471+/-0.167 χ^2/NDF:1133.1/2

+ sign -28.490+/-0.112 χ^2/NDF: 8130.5/20

All: -29.352+/-0.086 χ^2/NDF: 15229.1/42

- sign -30.594+/-0.135 χ^2/NDF: 6954.9/21



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

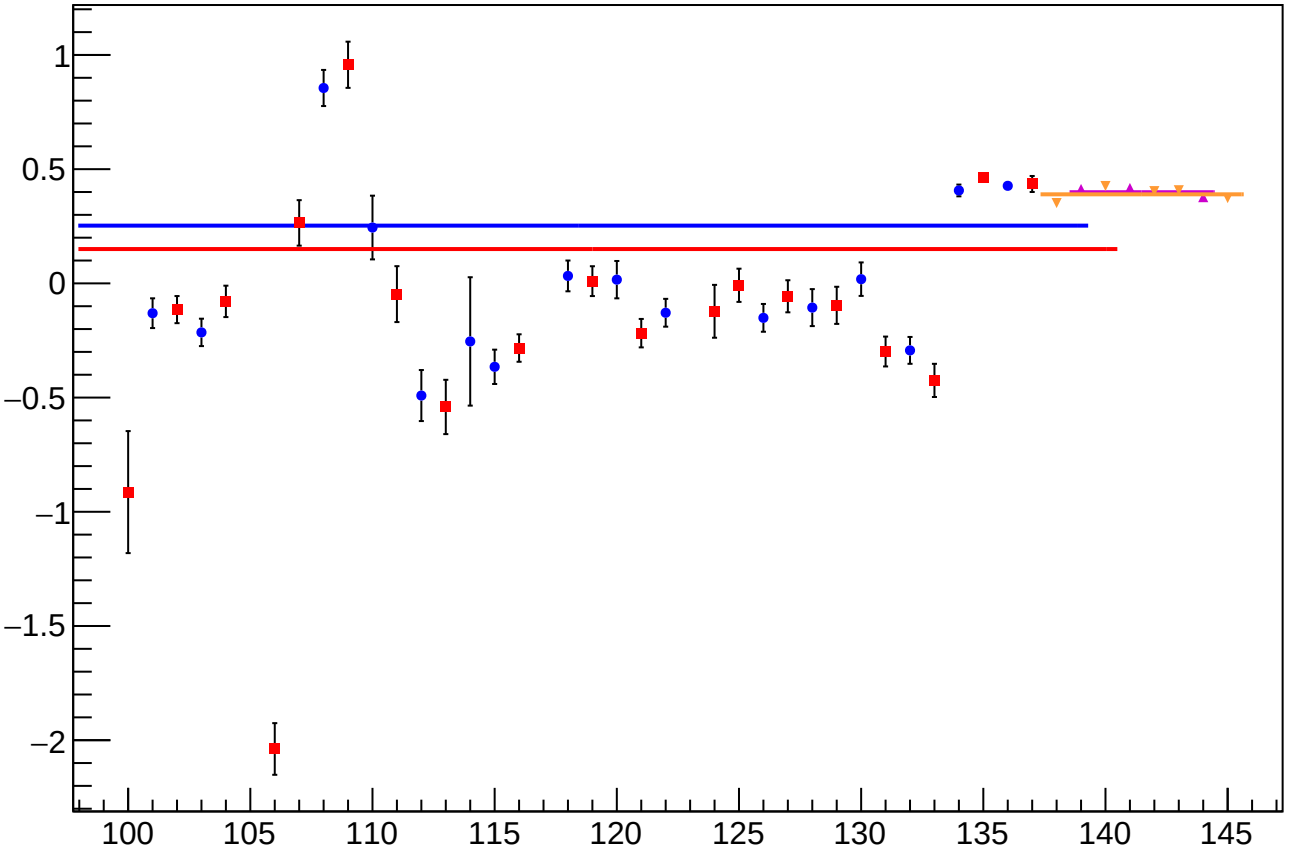
Left In: 9.292+/-0.152 χ^2/NDF:362.3/2

+ sign 5.460+/-0.105 χ^2/NDF: 8057.1/20

All: 5.272+/-0.081 χ^2/NDF: 15471.2/42

- sign 4.995+/-0.127 χ^2/NDF: 7406.1/21

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

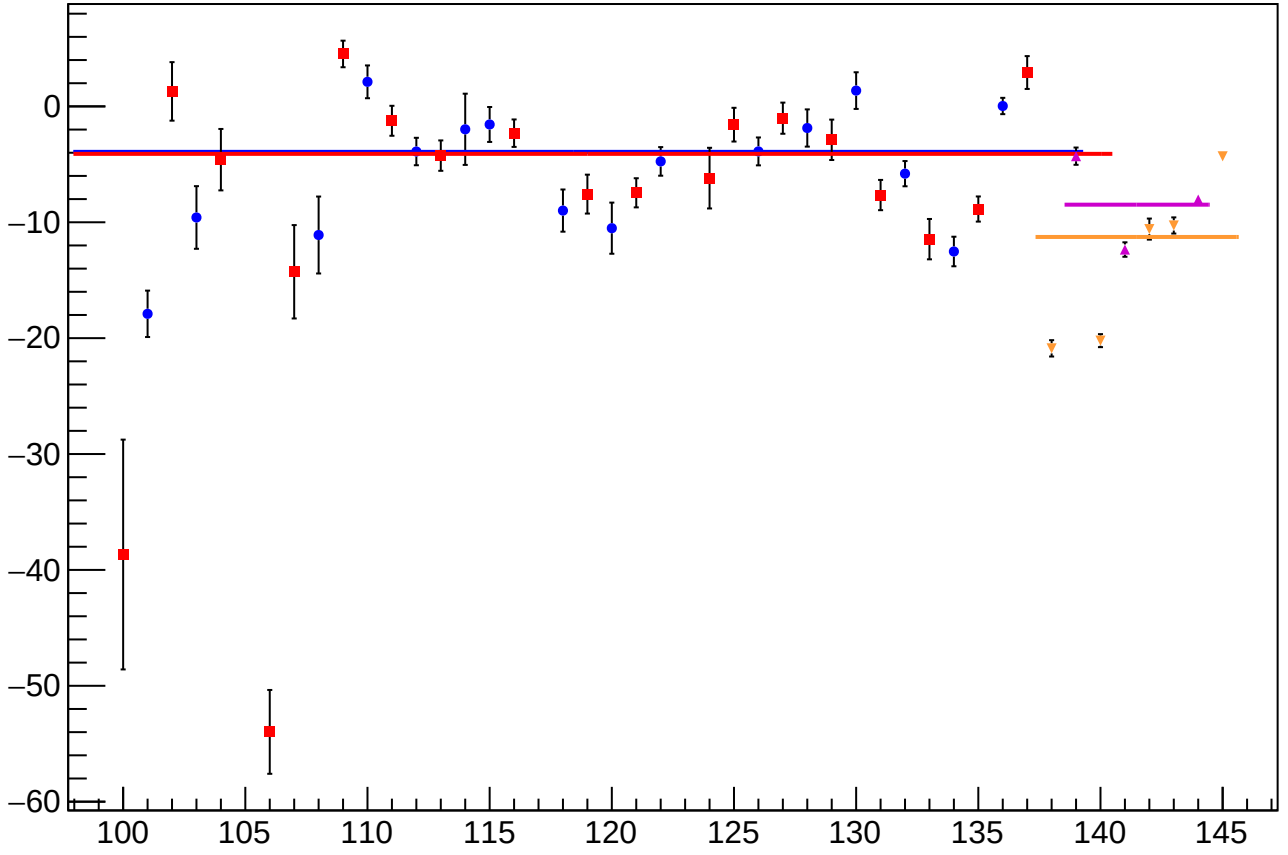
Left In: 0.399+/-0.007 χ^2/NDF:7.6/2

+ sign 0.364+/-0.005 χ^2/NDF: 768.3/20

All: 0.357+/-0.004 χ^2/NDF: 2072.9/42

- sign 0.347+/-0.006 χ^2/NDF: 1299.6/21

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

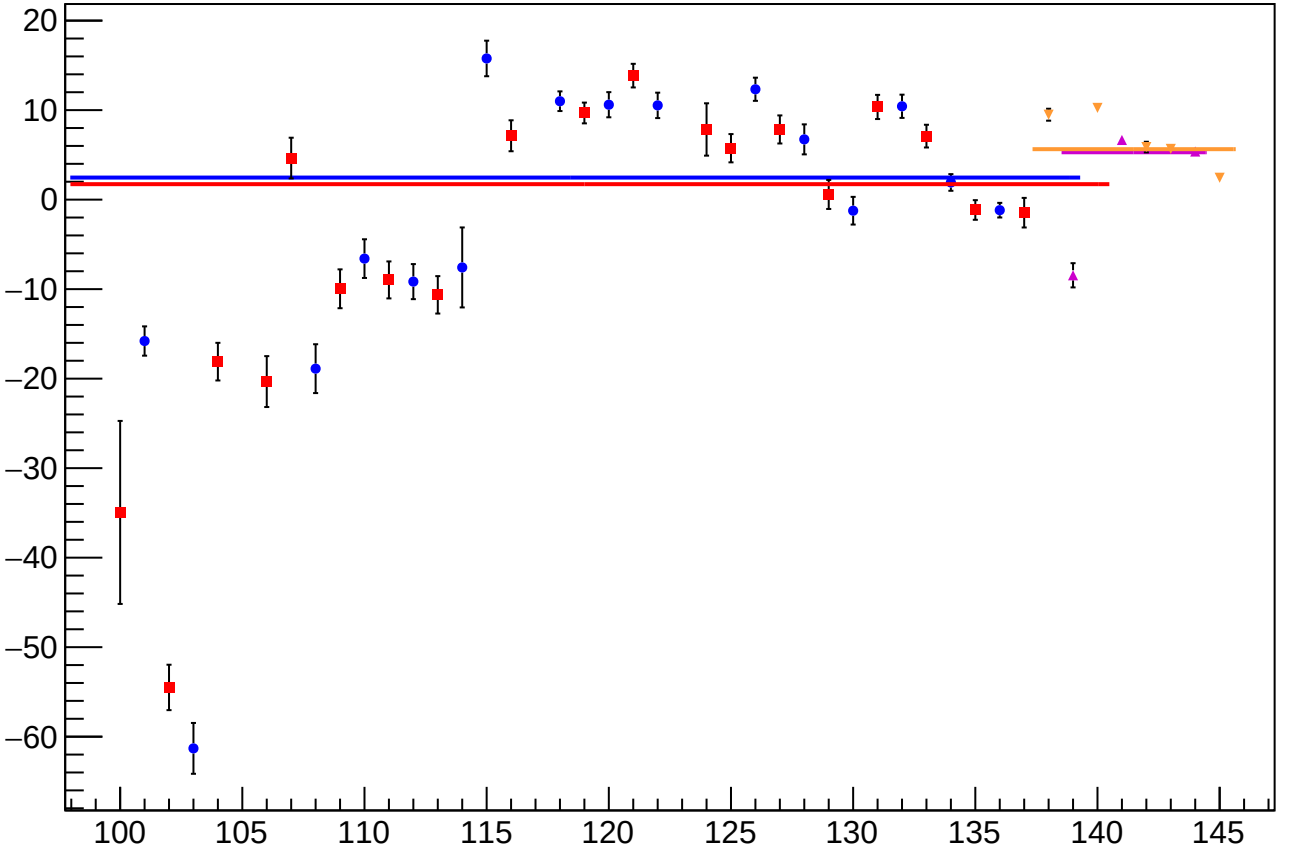
Left In: -8.481+/-0.320 χ^2/NDF:71.1/2

+ sign -8.630+/-0.207 χ^2/NDF: 1232.0/20

All: -7.723+/-0.156 χ^2/NDF: 1797.9/42

- sign -6.525+/-0.238 χ^2/NDF: 521.6/21

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

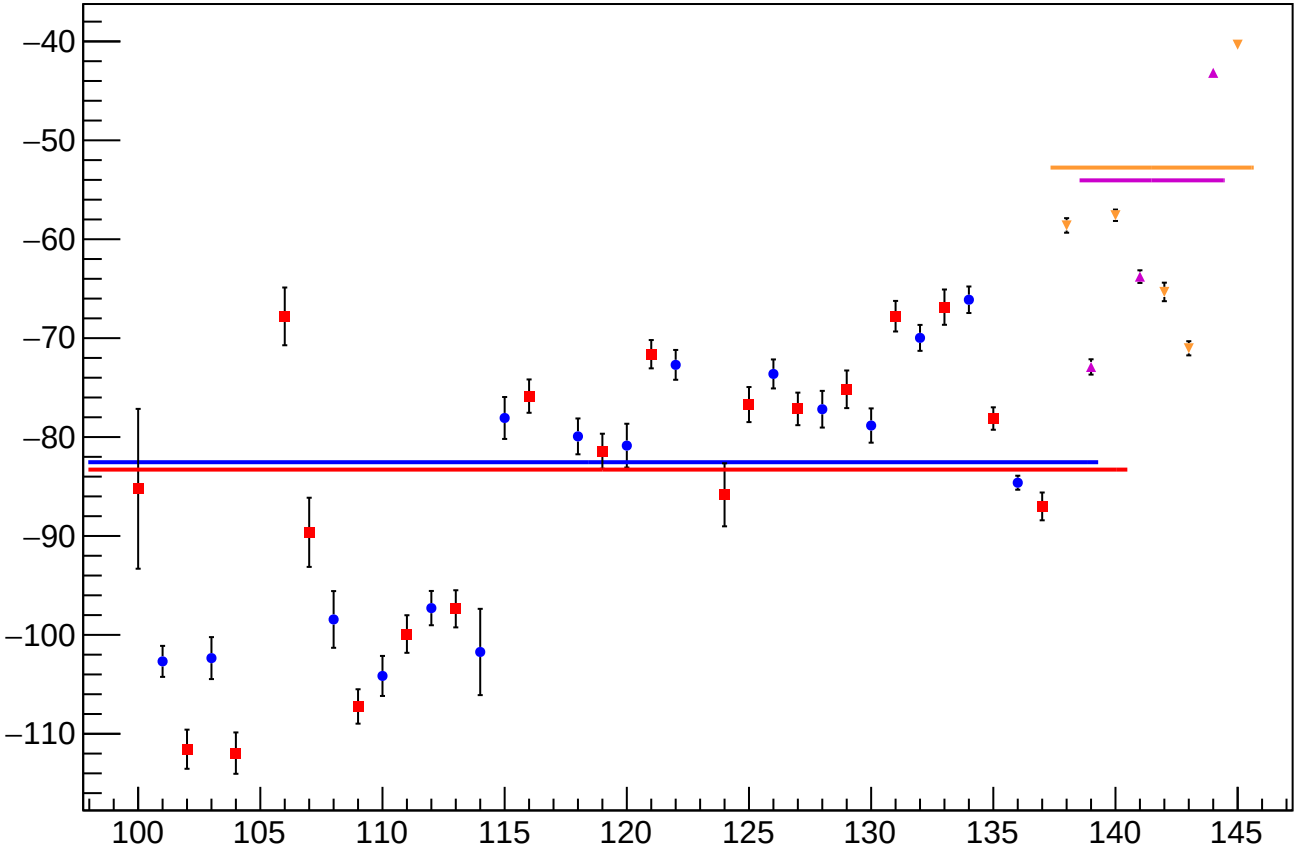
Left In: 5.293+/-0.255 χ^2/NDF:112.4/2

+ sign 4.842+/-0.179 χ^2/NDF: 1338.5/20

All: 4.580+/-0.137 χ^2/NDF: 2498.6/42

- sign 4.208+/-0.213 χ^2/NDF: 1154.8/21

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

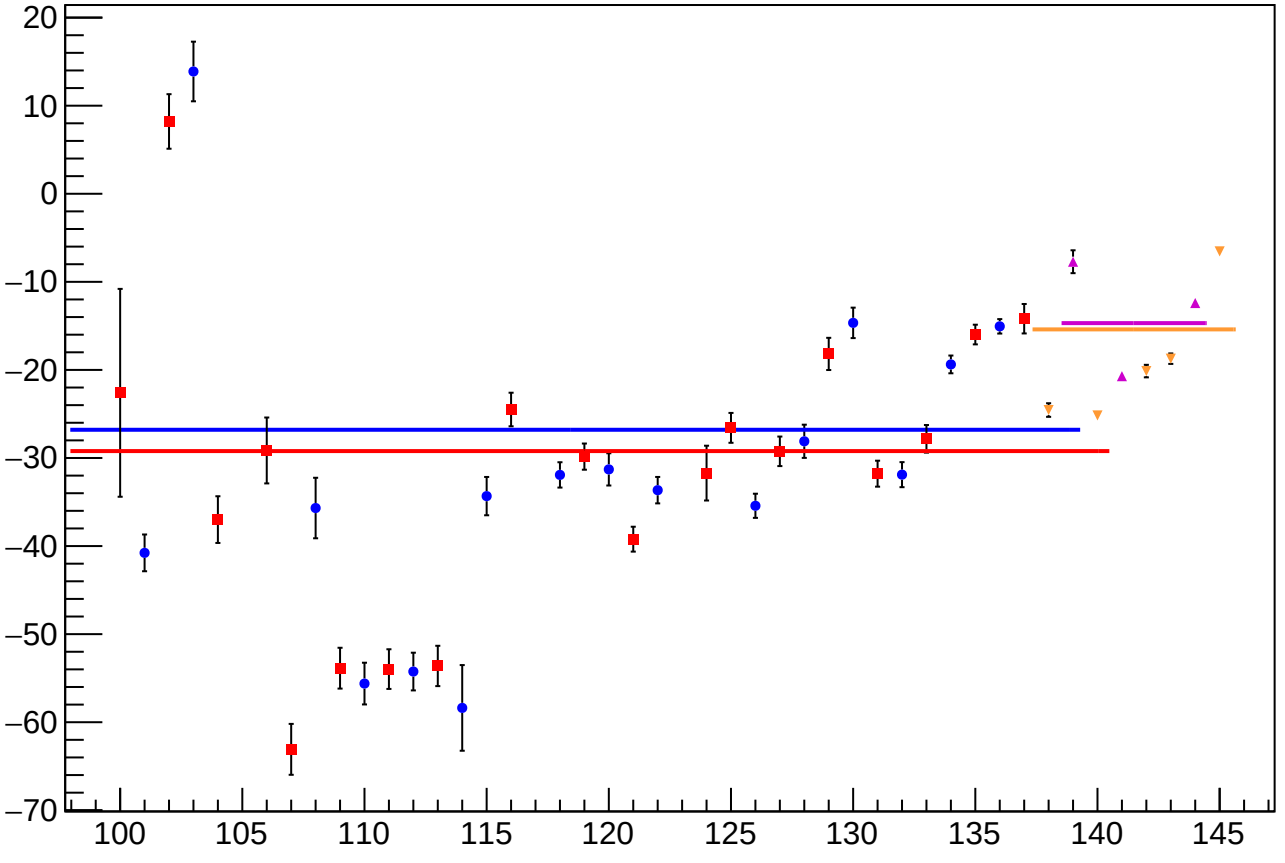
Left In: -54.046+/-0.330 χ^2/NDF:1421.6/2

+ sign -62.470+/-0.219 χ^2/NDF: 6784.2/20

All: -63.704+/-0.167 χ^2/NDF: 12420.3/42

- sign -65.412+/-0.258 χ^2/NDF: 5560.7/21

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

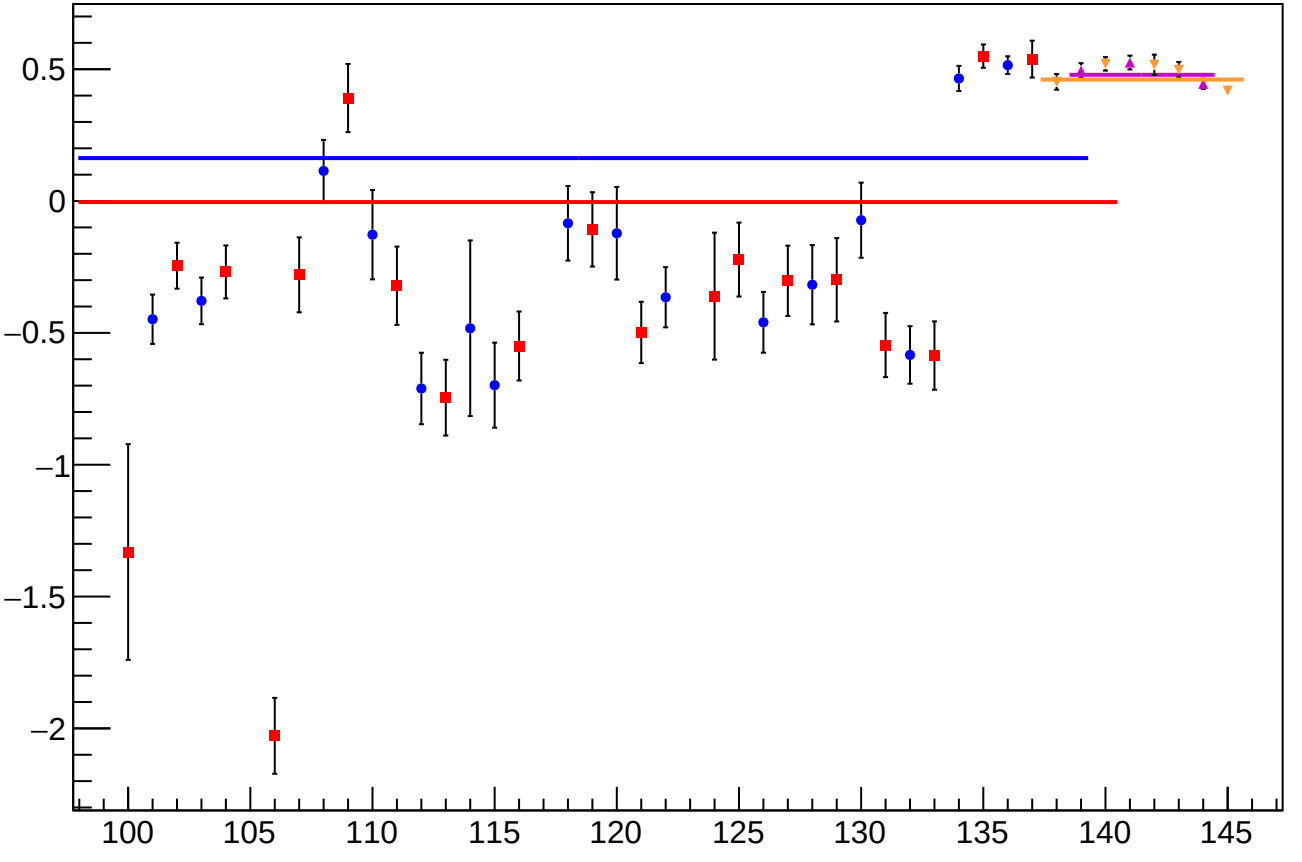
Left In: -14.687+/-0.299 χ^2/NDF:190.3/2

+ sign -18.498+/-0.206 χ^2/NDF: 2673.3/20

All: -18.870+/-0.158 χ^2/NDF: 4599.8/42

- sign -19.397+/-0.245 χ^2/NDF: 1918.6/21

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.461+/-0.011 χ^2/NDF:15.9/4

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

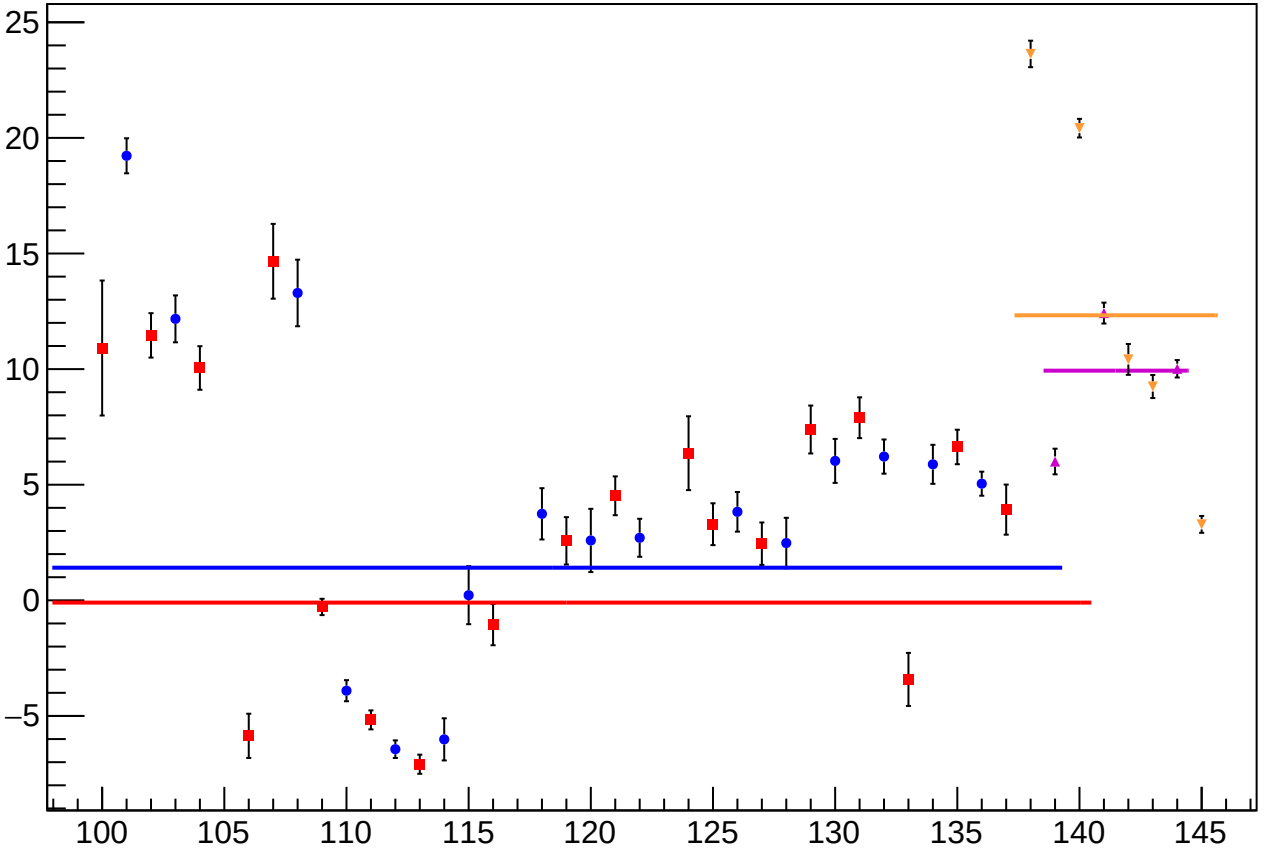
Left In: 0.479+/-0.014 χ^2/NDF:6.5/2

+ sign 0.399+/-0.010 χ^2/NDF: 591.7/20

All: 0.384+/-0.008 χ^2/NDF: 1474.3/42

- sign 0.363+/-0.012 χ^2/NDF: 877.4/21

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

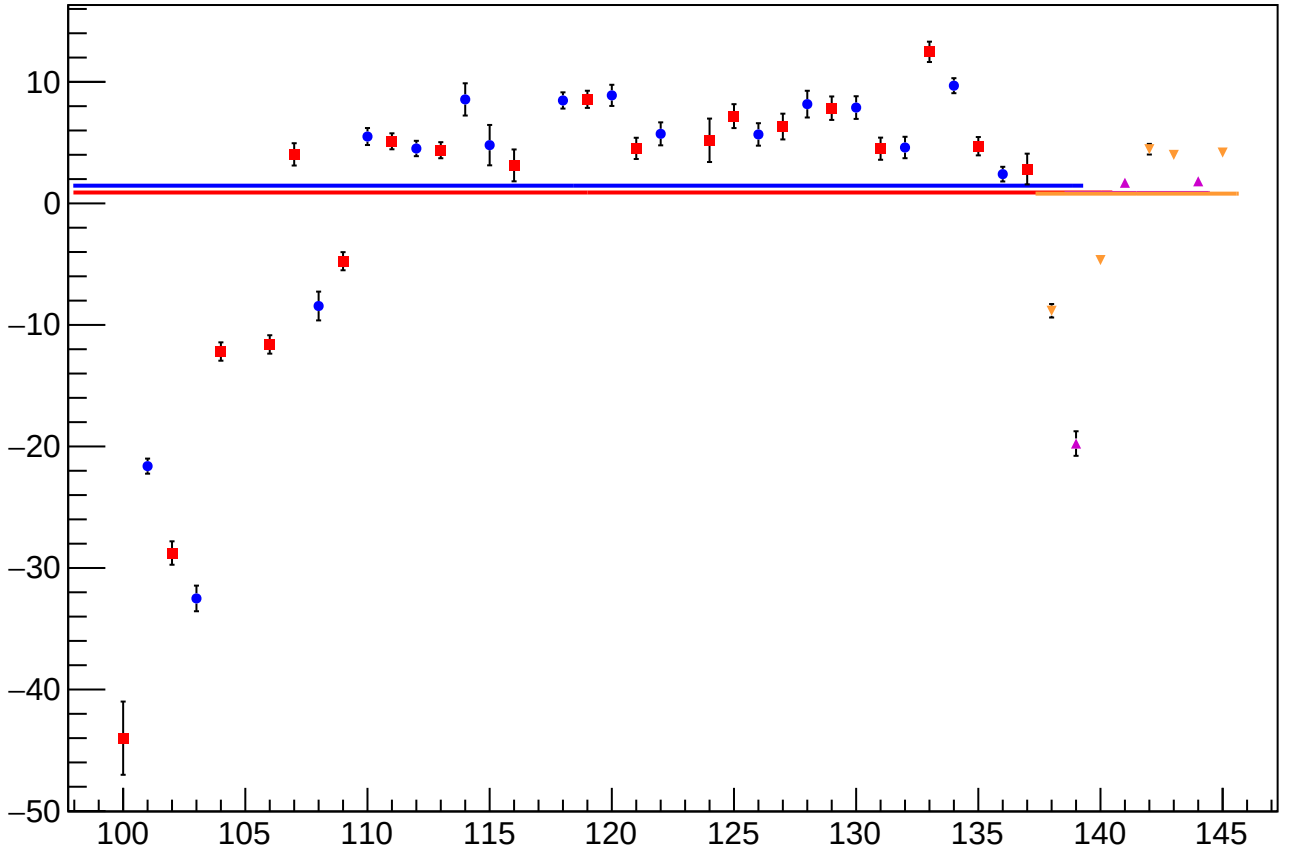
Left In: 9.933+/-0.257 χ^2/NDF:80.6/2

+ sign 6.158+/-0.138 χ^2/NDF: 4517.5/20

All: 4.557+/-0.098 χ^2/NDF: 7092.7/42

- sign 2.896+/-0.140 χ^2/NDF: 2299.6/21

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 0.803+/-0.166 χ^2/NDF:846.5/4

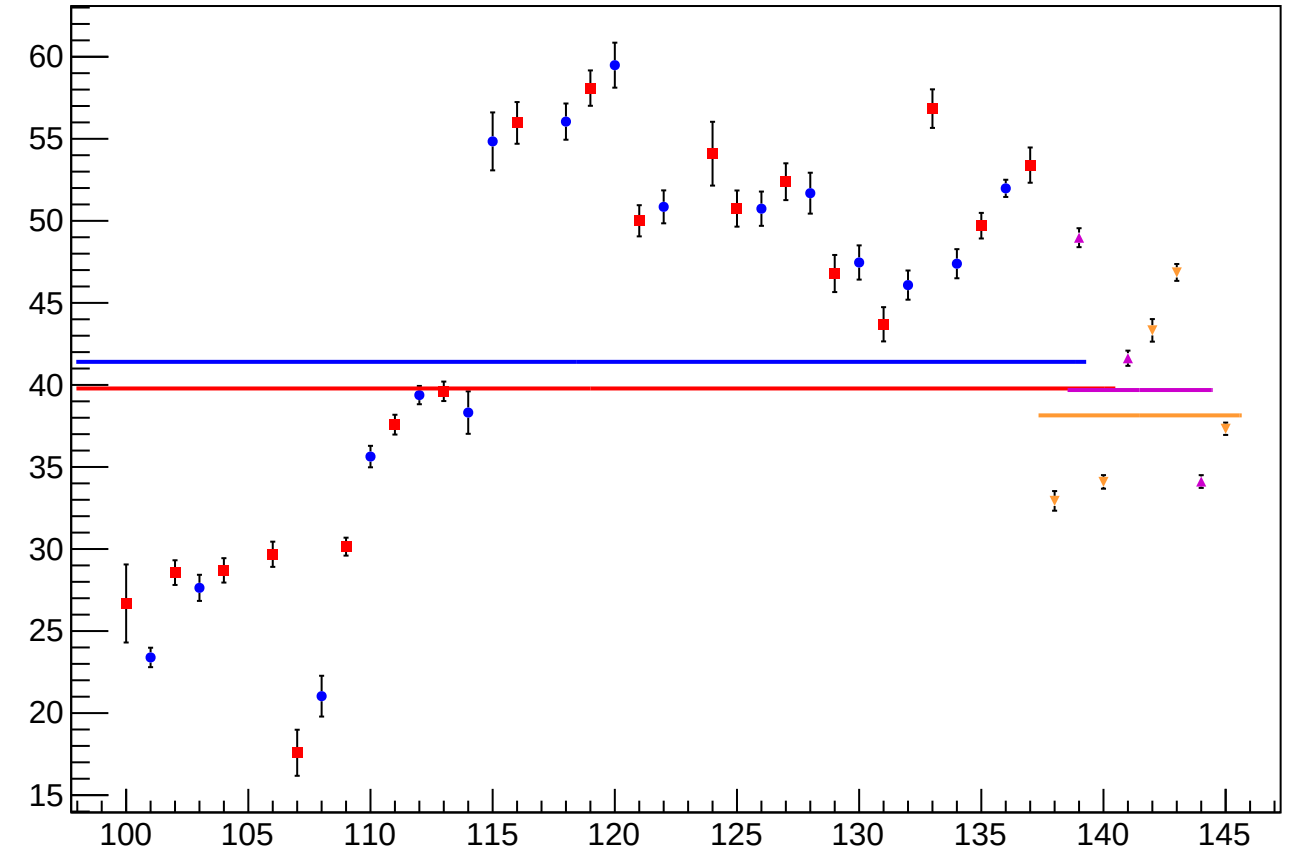
Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 0.859+/-0.208 χ^2/NDF:434.3/2

+ sign 1.066+/-0.129 χ^2/NDF: 3933.0/20

All: 0.983+/-0.096 χ^2/NDF: 6745.3/42

- sign 0.878+/-0.145 χ^2/NDF: 2811.4/21



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

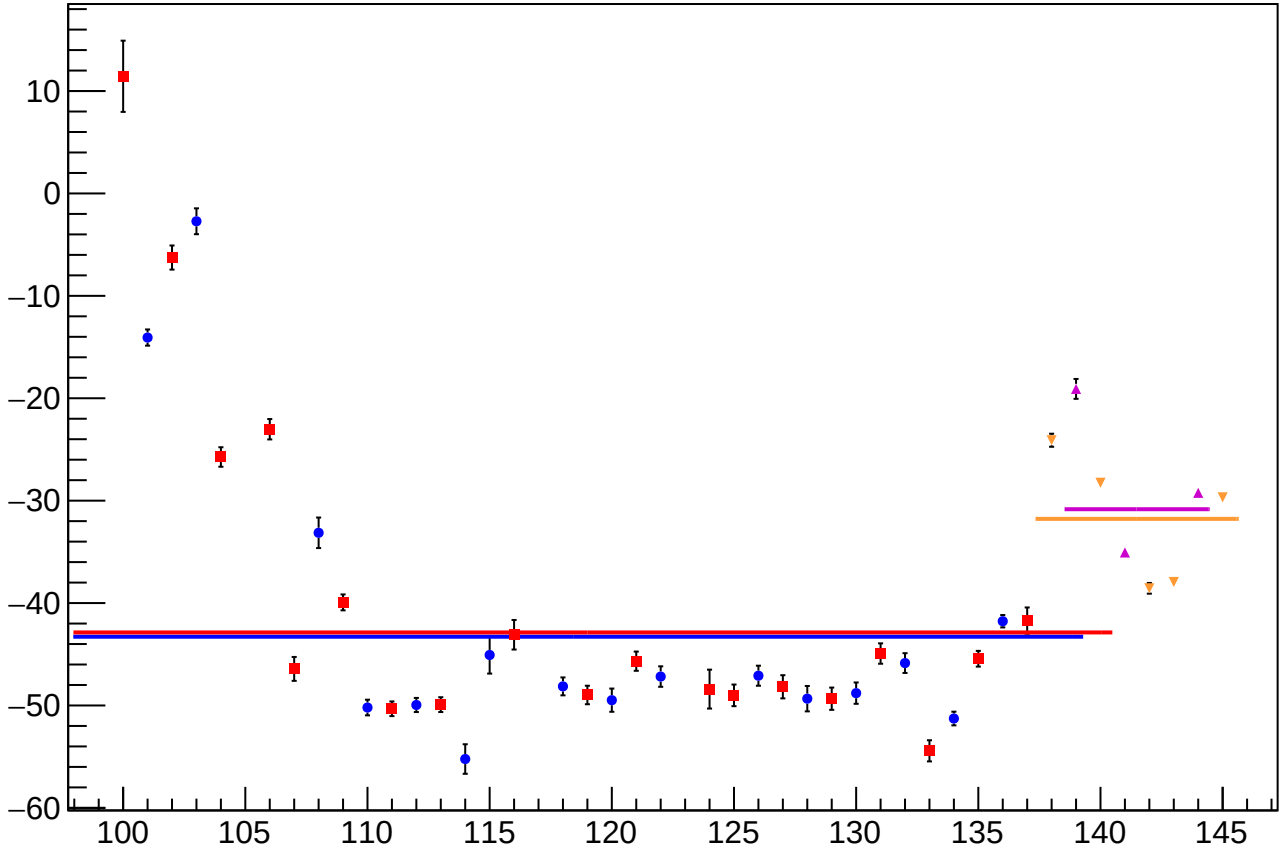
Left In: 39.690+/-0.265 χ^2/NDF:482.1/2

+ sign 39.810+/-0.151 χ^2/NDF: 3384.4/20

All: 39.782+/-0.110 χ^2/NDF: 6520.5/42

- sign 39.749+/-0.161 χ^2/NDF: 3136.0/21

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -31.779+/-0.195 χ^2/NDF:635.9/4

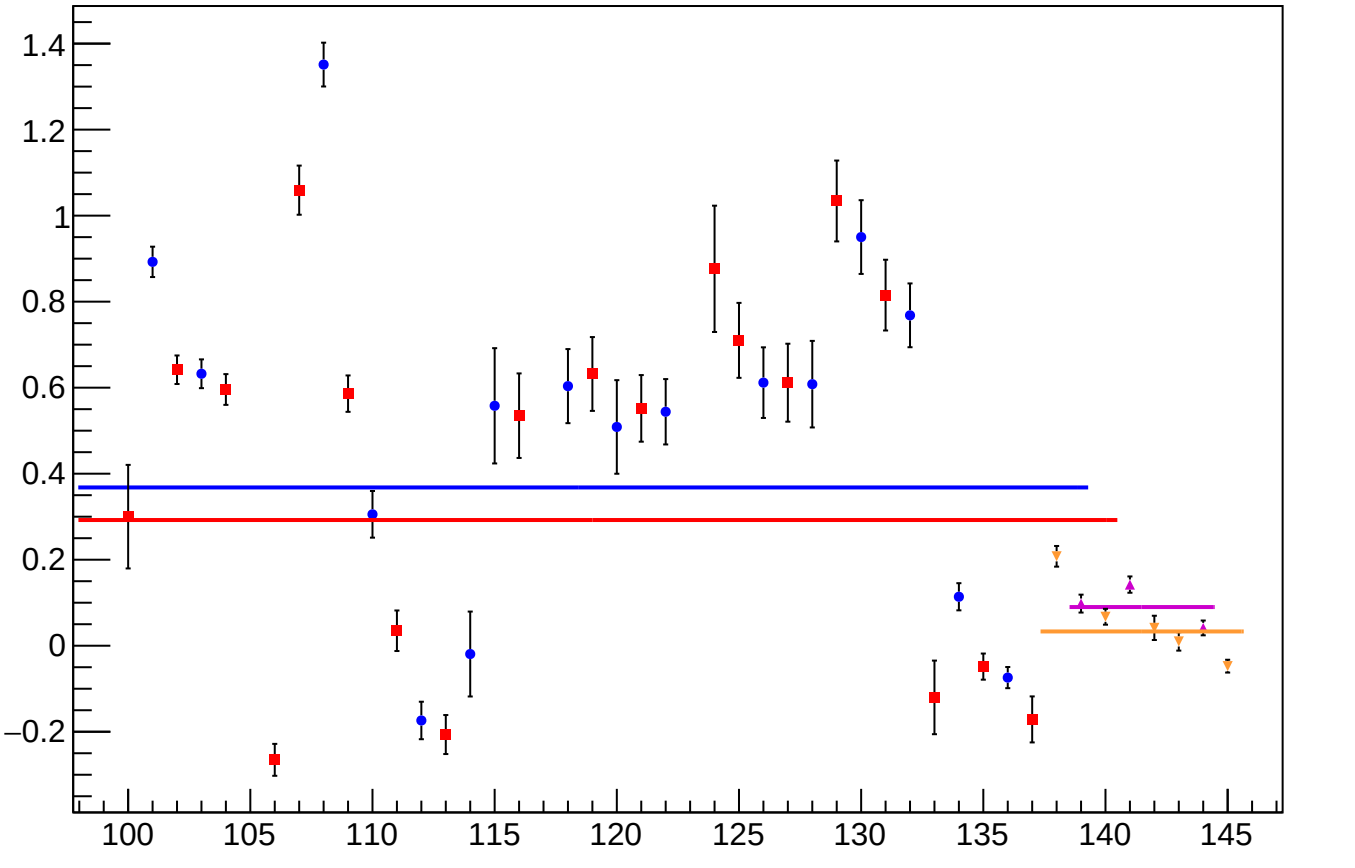
Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -30.836+/-0.243 χ^2/NDF:287.0/2

+ sign -36.612+/-0.149 χ^2/NDF: 5081.2/20

All: -36.872+/-0.111 χ^2/NDF: 9129.6/42

- sign -37.198+/-0.167 χ^2/NDF: 4041.5/21



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

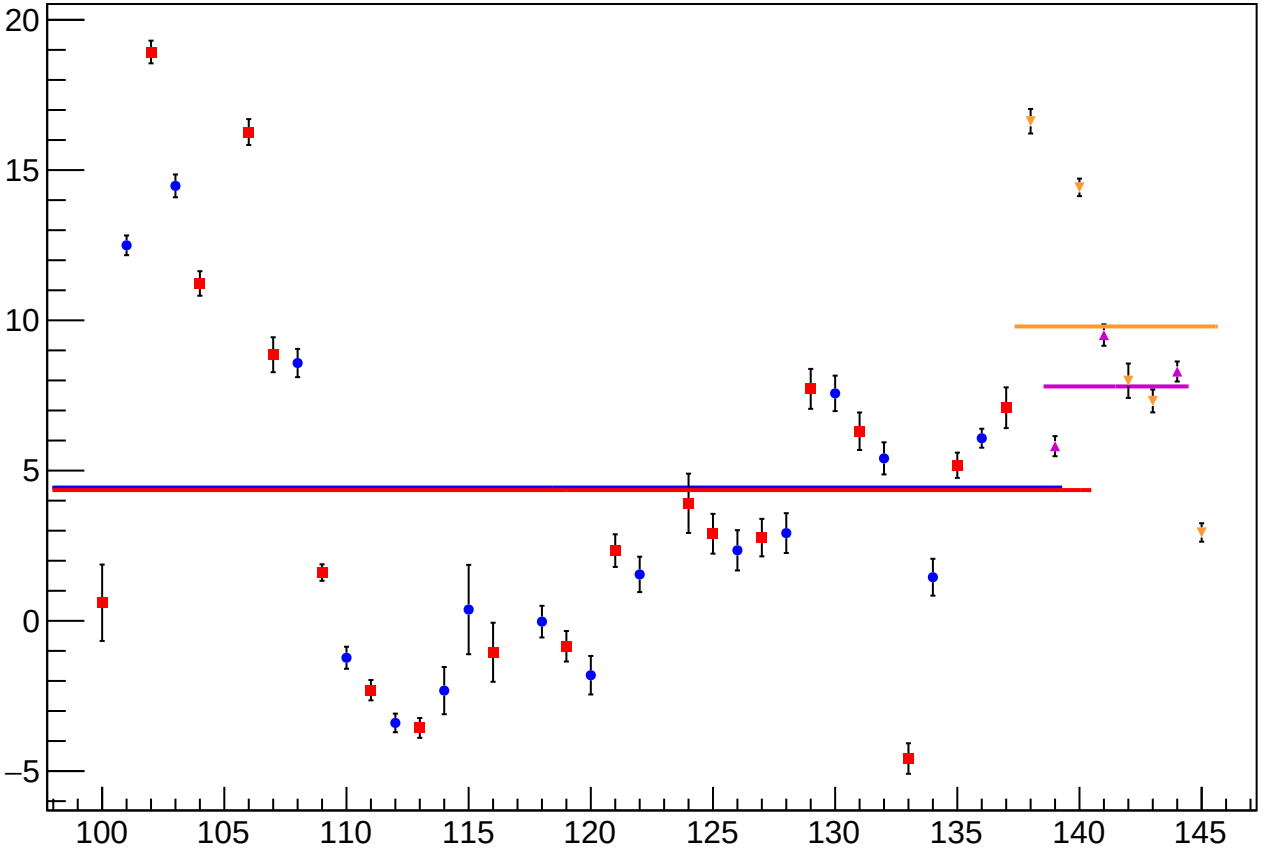
Left In: 0.090+/-0.011 χ^2/NDF:15.7/2

+ sign 0.149+/-0.007 χ^2/NDF: 1899.5/20

All: 0.163+/-0.005 χ^2/NDF: 3277.3/42

- sign 0.180+/-0.008 χ^2/NDF: 1369.7/21

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

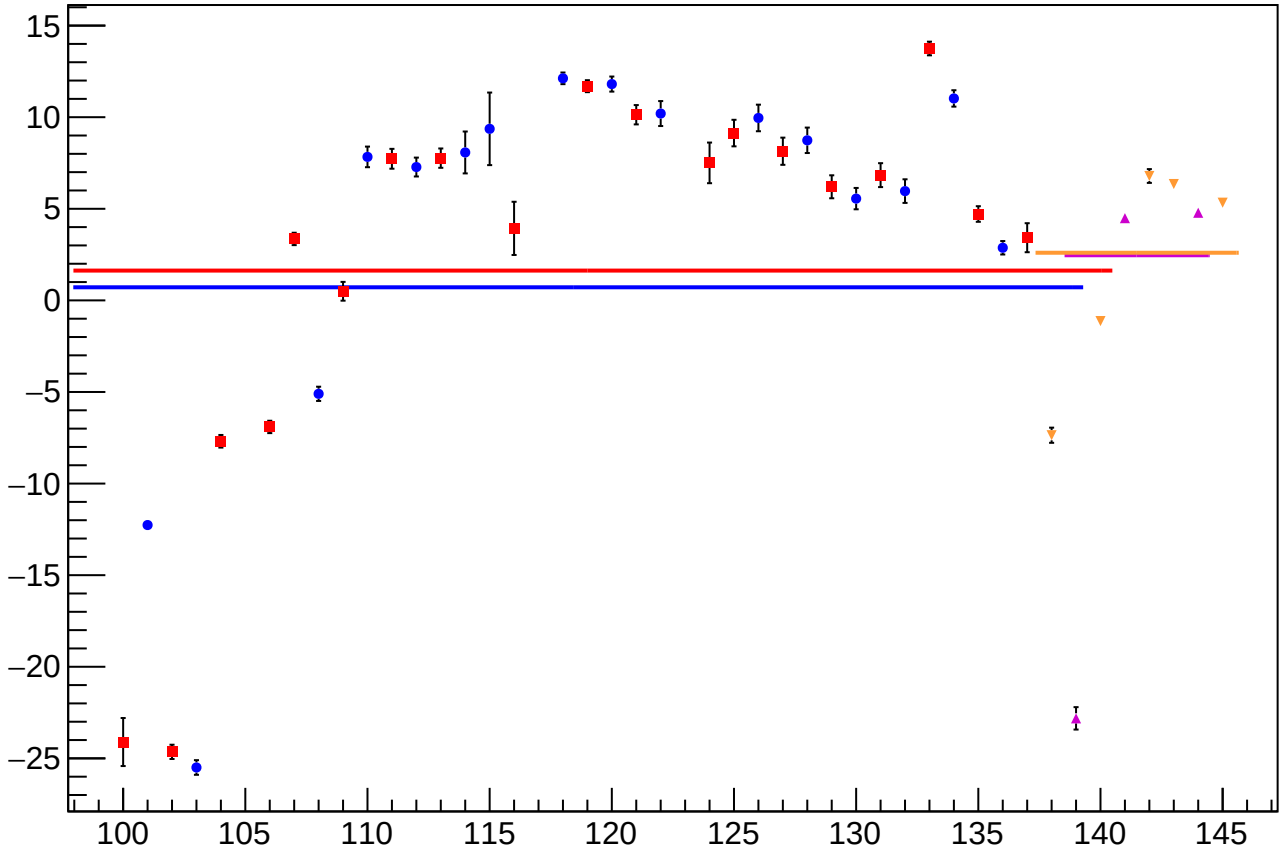
Left In: 7.801+/-0.197 χ^2/NDF:60.8/2

+ sign 6.279+/-0.095 χ^2/NDF: 4426.9/20

All: 5.725+/-0.067 χ^2/NDF: 8997.2/42

- sign 5.163+/-0.095 χ^2/NDF: 4501.4/21

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

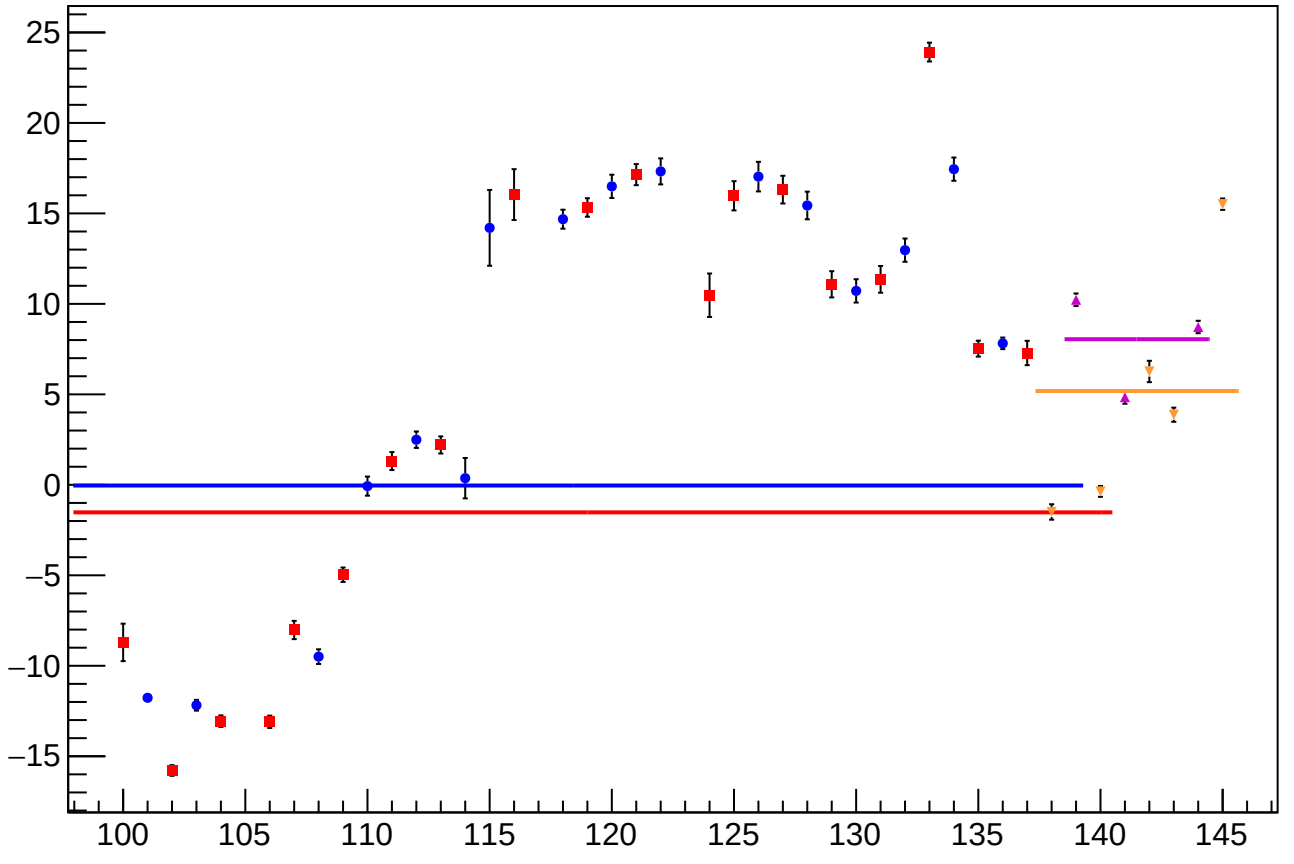
Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 2.464+/-0.172 χ^2/NDF:1855.1/2

+ sign 1.541+/-0.087 χ^2/NDF: 11804.4/20

All: 1.695+/-0.064 χ^2/NDF: 22938.5/42

- sign 1.872+/-0.093 χ^2/NDF: 11127.3/21



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

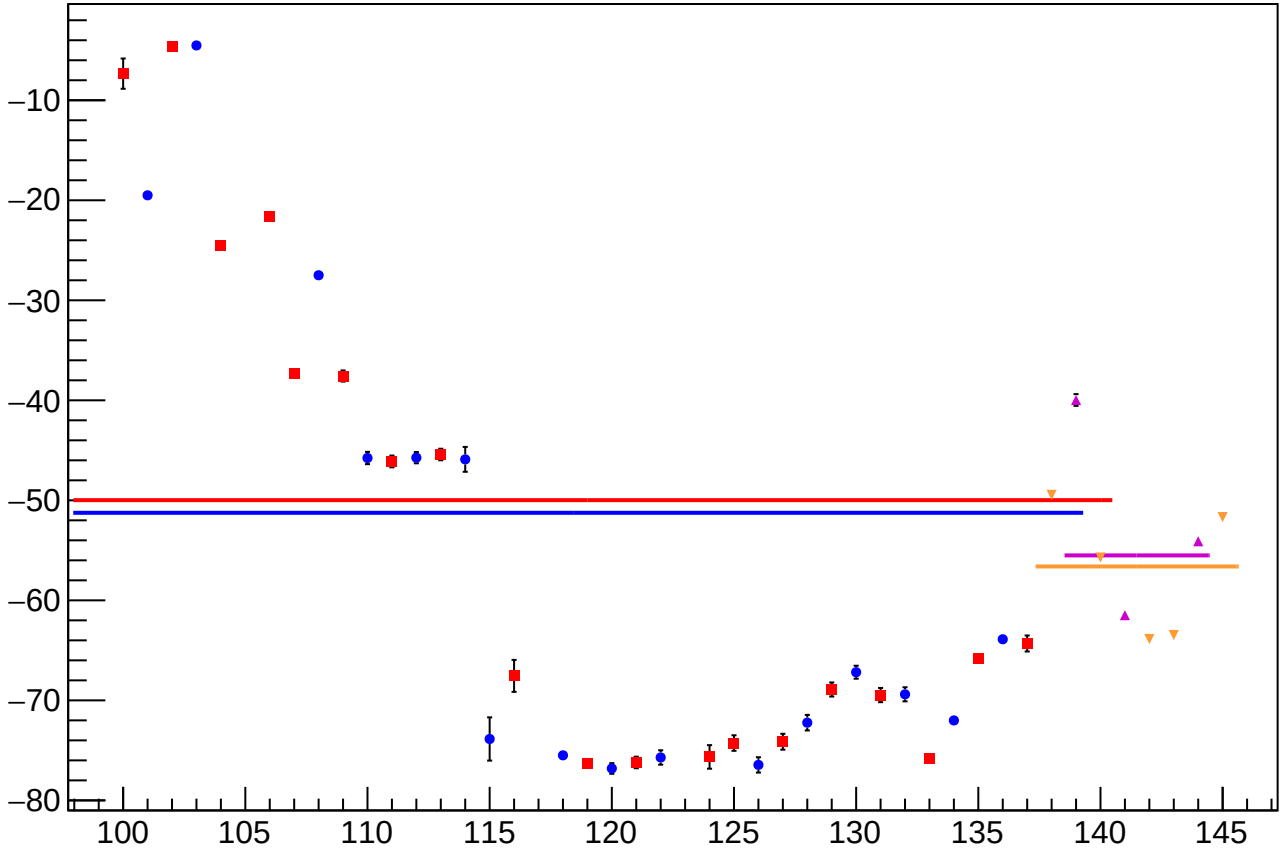
Left In: 8.048+/-0.203 χ^2/NDF:119.9/2

+ sign 1.736+/-0.097 χ^2/NDF: 11600.5/20

All: 1.286+/-0.070 χ^2/NDF: 25576.1/42

- sign 0.806+/-0.100 χ^2/NDF: 13931.0/21

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



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

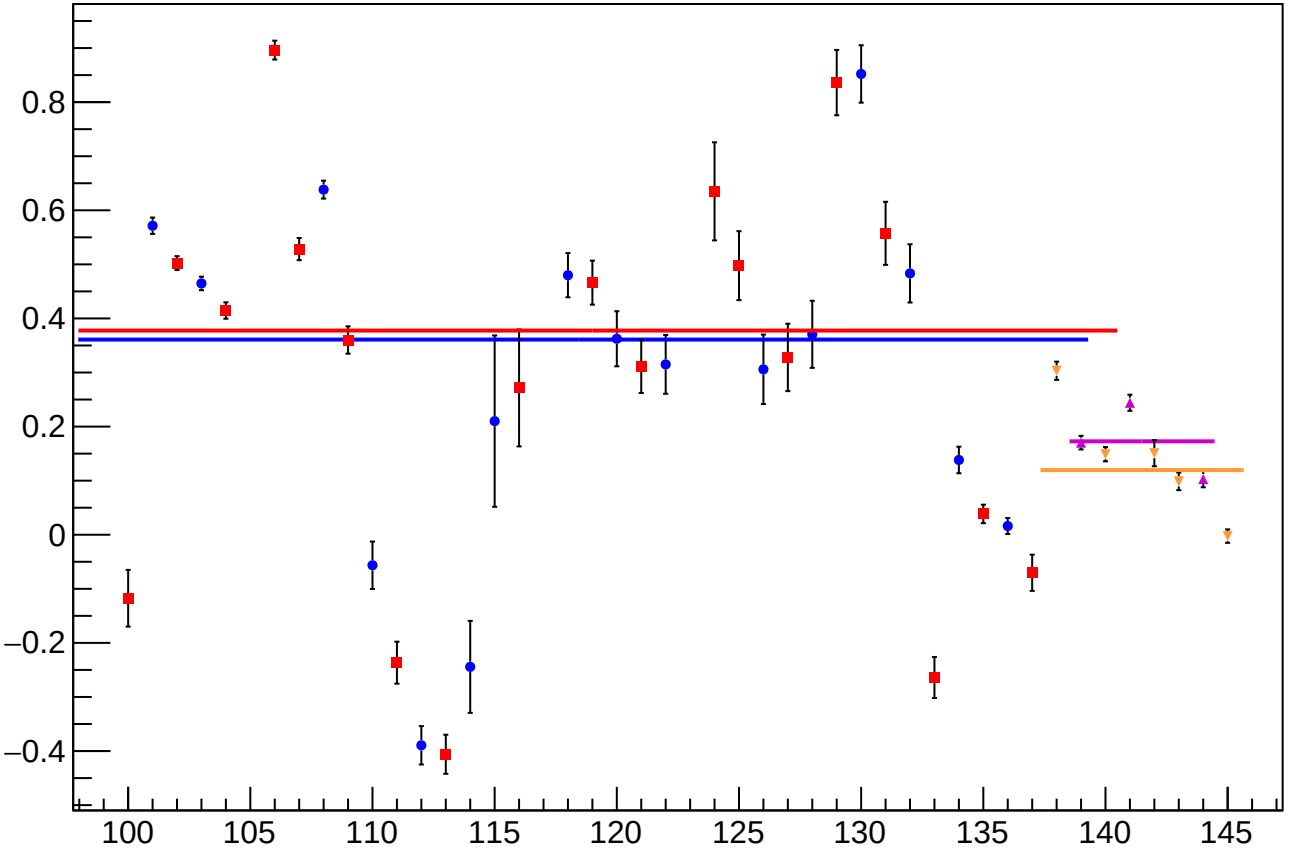
Left In: -55.506+/-0.199 χ^2/NDF:1092.6/2

+ sign -53.594+/-0.102 χ^2/NDF: 35678.7/20

All: -52.688+/-0.074 χ^2/NDF: 71371.6/42

- sign -51.645+/-0.109 χ^2/NDF: 35522.7/21

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

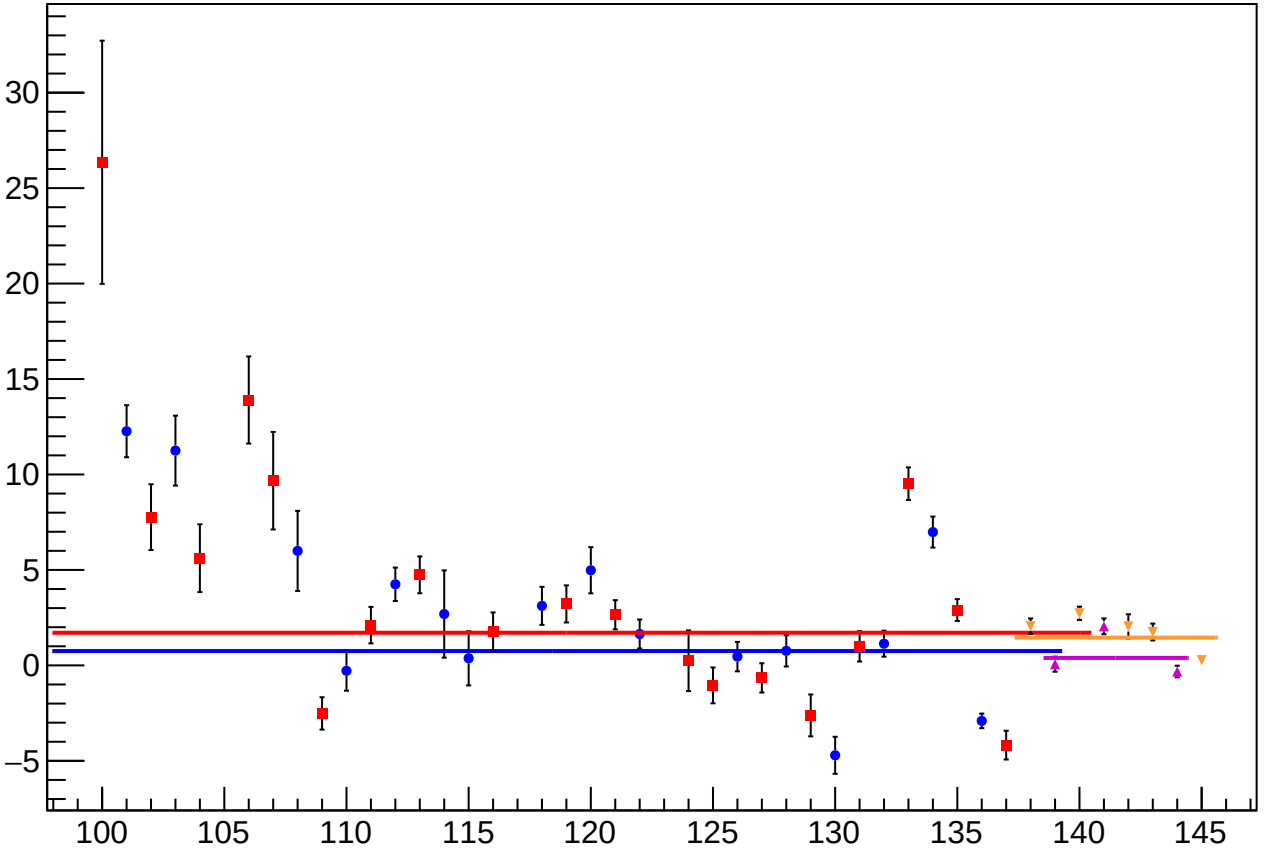
Left In: 0.173+/-0.008 χ^2/NDF:44.1/2

+ sign 0.249+/-0.005 χ^2/NDF: 2746.4/20

All: 0.275+/-0.003 χ^2/NDF: 6050.8/42

- sign 0.303+/-0.005 χ^2/NDF: 3240.5/21

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

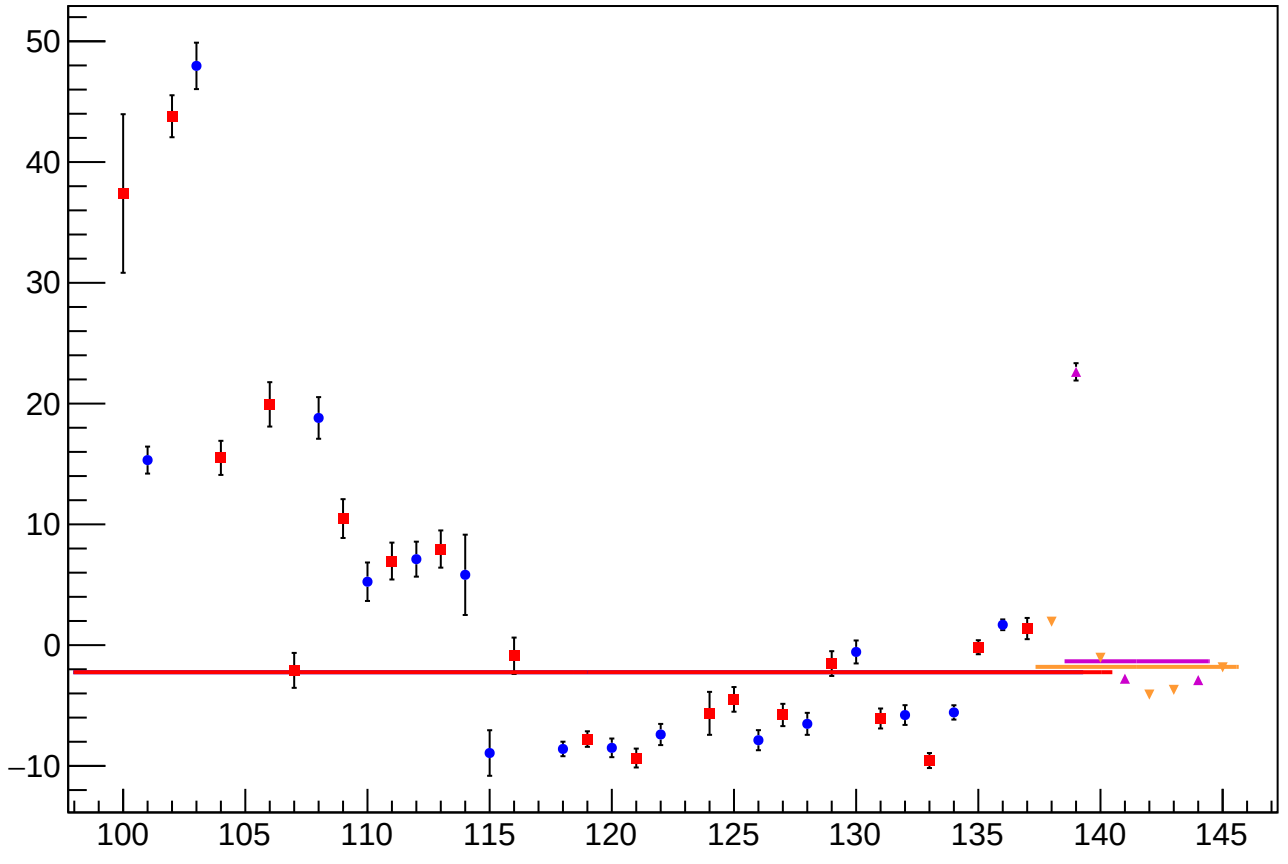
Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.392+/-0.208 χ^2/NDF:22.4/2

+ sign 1.188+/-0.131 χ^2/NDF: 373.7/20

All: 1.110+/-0.099 χ^2/NDF: 709.4/42

- sign 1.006+/-0.152 χ^2/NDF: 334.9/21



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

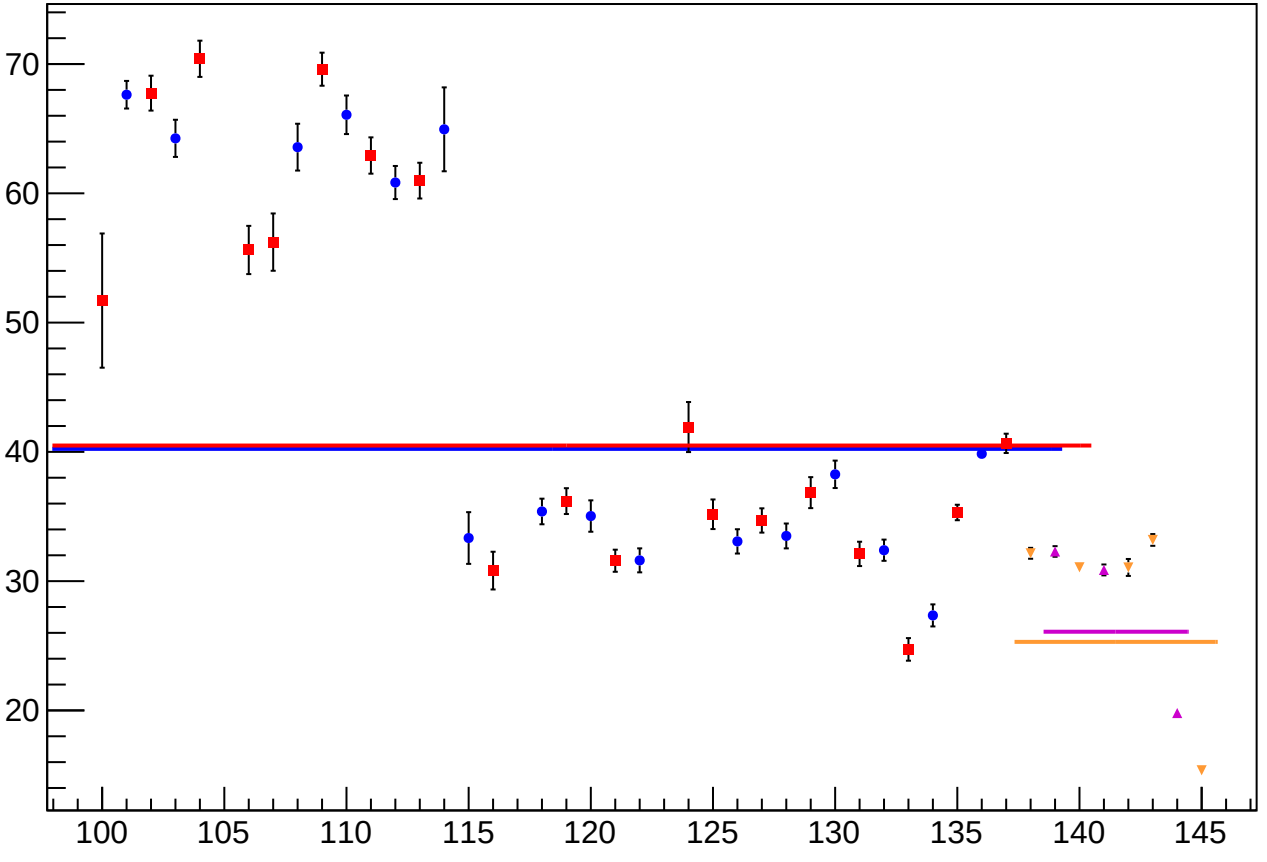
Left In: -1.338+/-0.175 χ^2/NDF:1184.7/2

+ sign -1.924+/-0.114 χ^2/NDF: 1737.7/20

All: -1.823+/-0.088 χ^2/NDF: 4489.9/42

- sign -1.671+/-0.139 χ^2/NDF: 2750.2/21

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

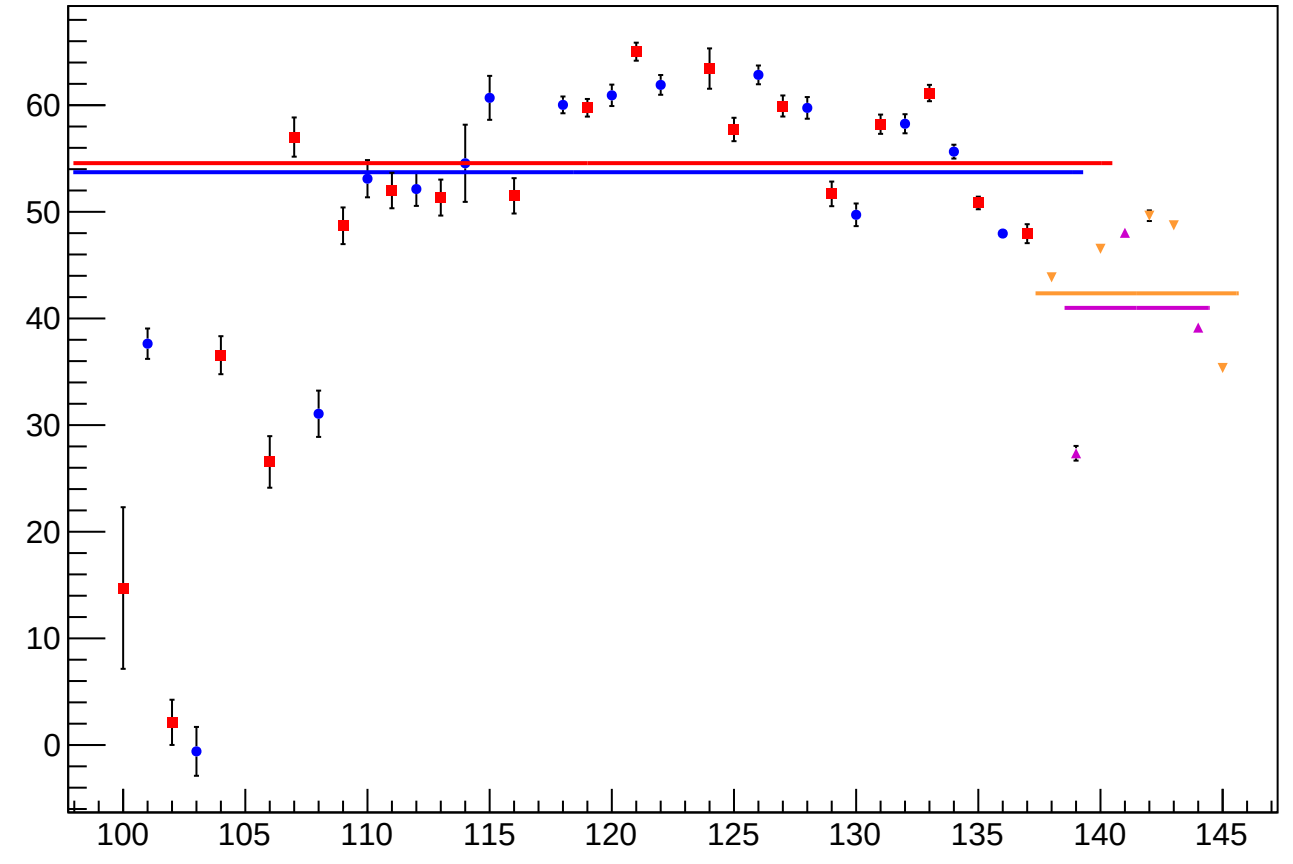
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 26.087+/-0.215 χ^2/NDF:757.4/2

+ sign 30.590+/-0.138 χ^2/NDF: 7213.7/20

All: 31.257+/-0.105 χ^2/NDF: 12631.0/42

- sign 32.192+/-0.163 χ^2/NDF: 5361.0/21



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

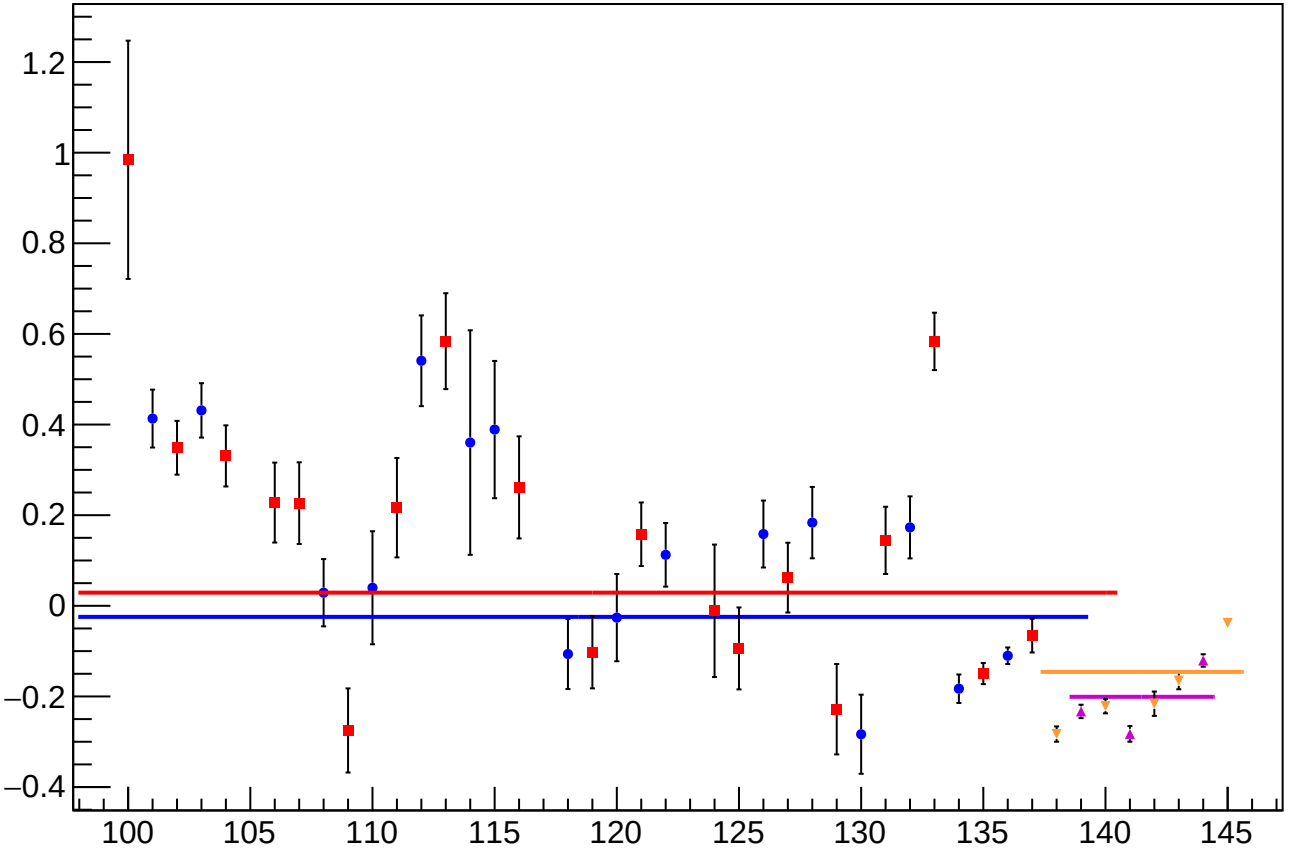
Left In: 40.992+/-0.203 χ^2/NDF:828.8/2

\+ sign 45.784+/-0.131 χ^2/NDF: 4397.4/20

All: 45.965+/-0.101 χ^2/NDF: 8298.0/42

\- sign 46.229+/-0.159 χ^2/NDF: 3896.0/21

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

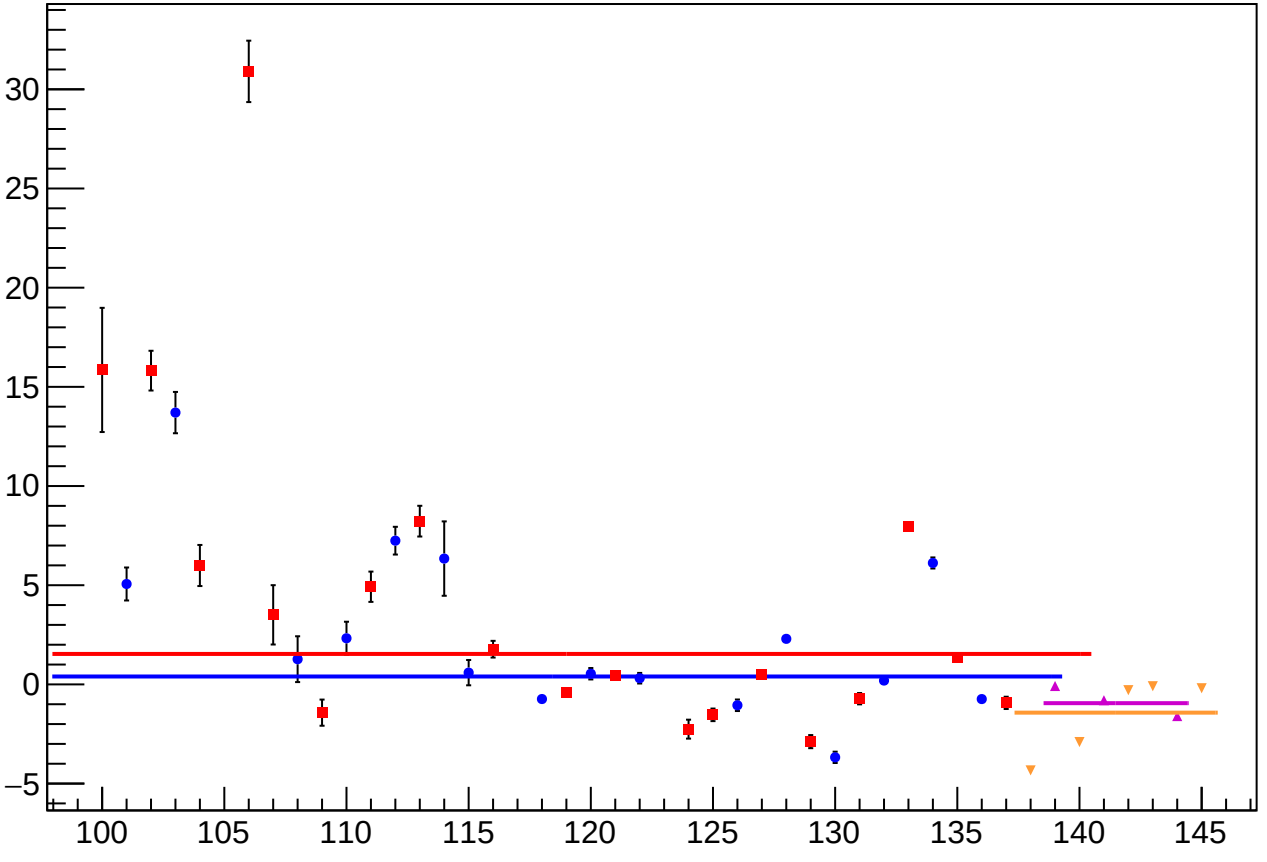
Left In: -0.201+/-0.009 χ^2/NDF:61.1/2

+ sign -0.118+/-0.006 χ^2/NDF: 495.2/20

All: -0.126+/-0.005 χ^2/NDF: 1027.0/42

- sign -0.138+/-0.007 χ^2/NDF: 527.2/21

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

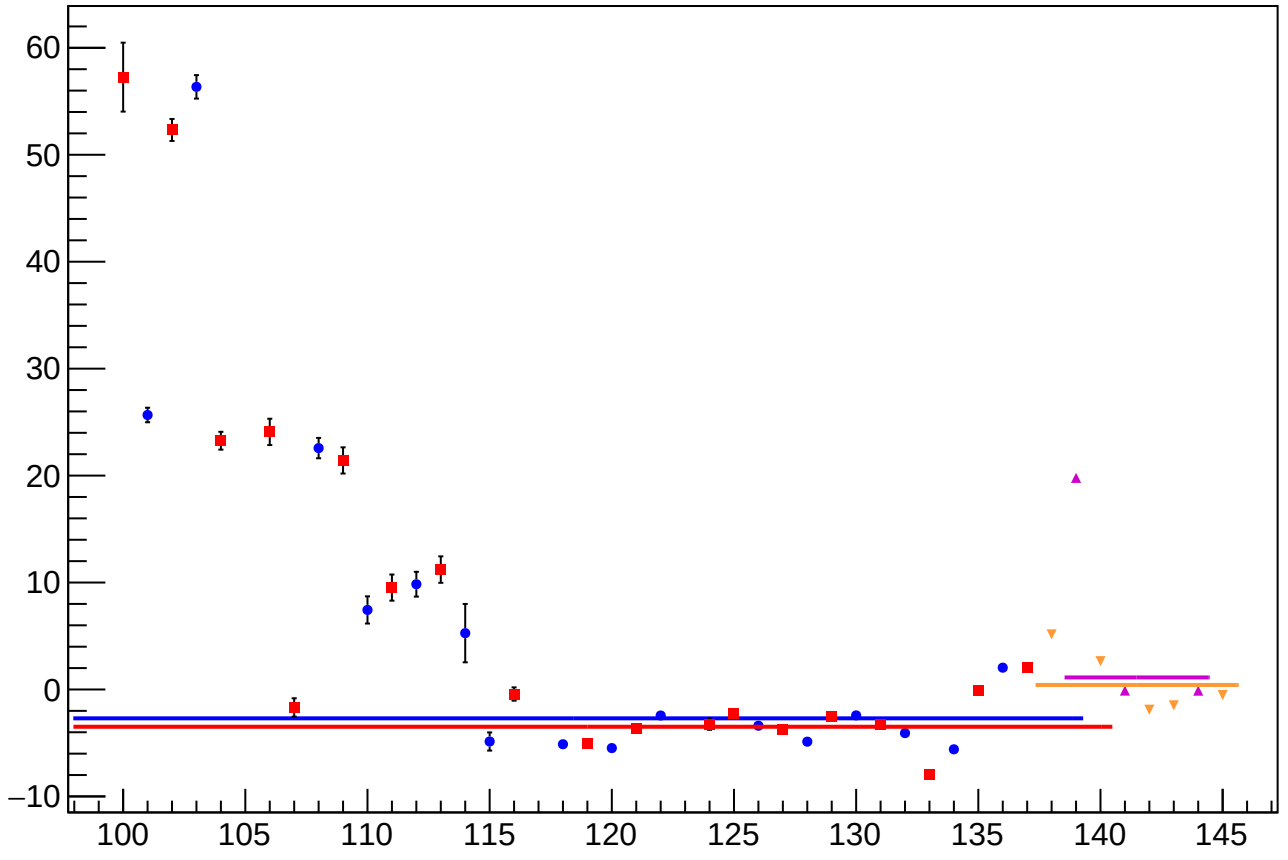
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.946+/-0.074 χ^2/NDF:74.5/2

+ sign -0.713+/-0.048 χ^2/NDF: 2125.8/20

All: -0.293+/-0.036 χ^2/NDF: 5311.8/42

- sign 0.235+/-0.054 χ^2/NDF: 3013.9/21



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

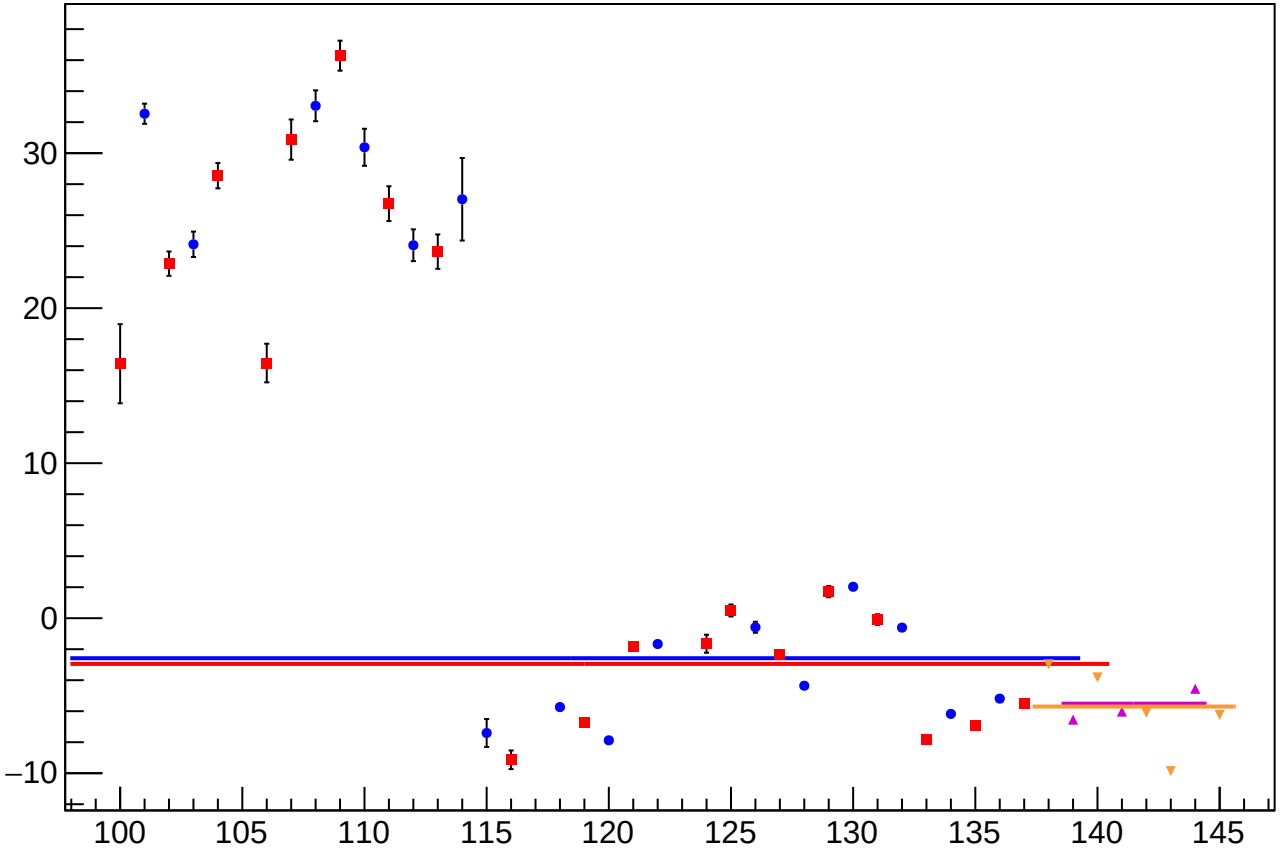
Left In: 1.126+/-0.063 χ^2/NDF:5739.6/2

+ sign -0.621+/-0.041 χ^2/NDF: 10257.0/20

All: -0.749+/-0.031 χ^2/NDF: 25536.3/42

- sign -0.920+/-0.047 χ^2/NDF: 15256.3/21

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

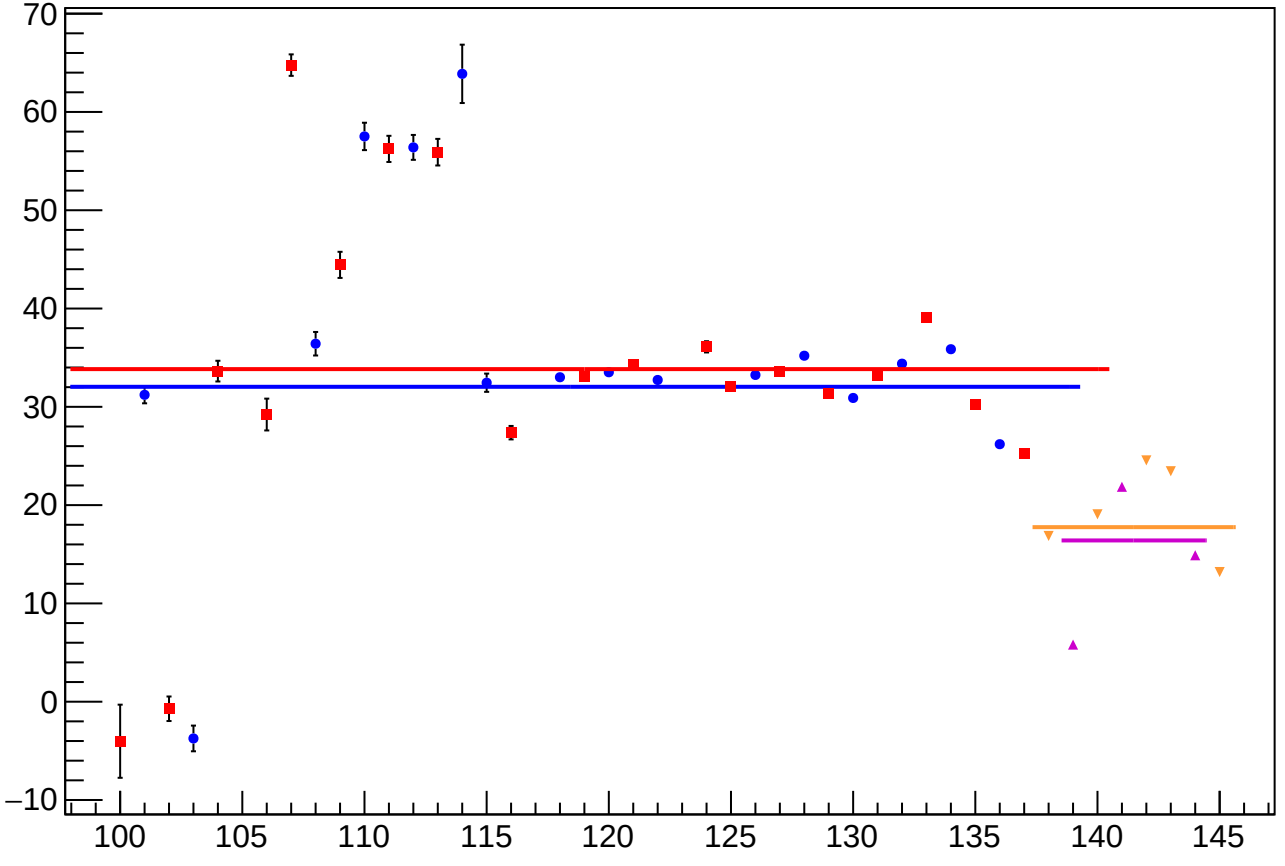
Left In: -5.513+/-0.077 χ^2/NDF:133.3/2

+ sign -4.550+/-0.050 χ^2/NDF: 10141.1/20

All: -4.465+/-0.038 χ^2/NDF: 18978.3/42

- sign -4.358+/-0.057 χ^2/NDF: 8830.8/21

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

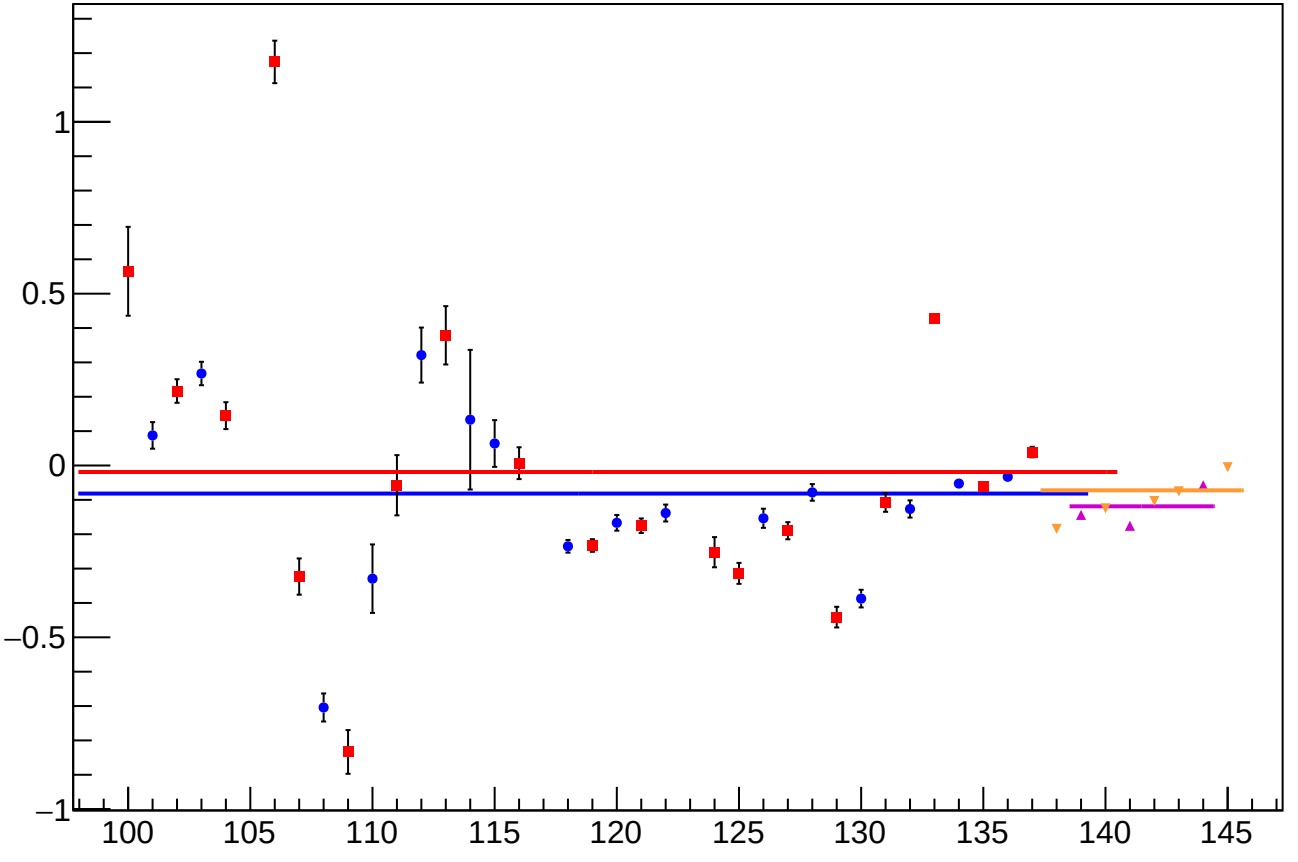
Left In: 16.407+/-0.073 χ^2/NDF:3974.0/2

+ sign 22.635+/-0.048 χ^2/NDF: 29159.5/20

All: 23.306+/-0.036 χ^2/NDF: 63075.6/42

- sign 24.190+/-0.055 χ^2/NDF: 33453.4/21

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

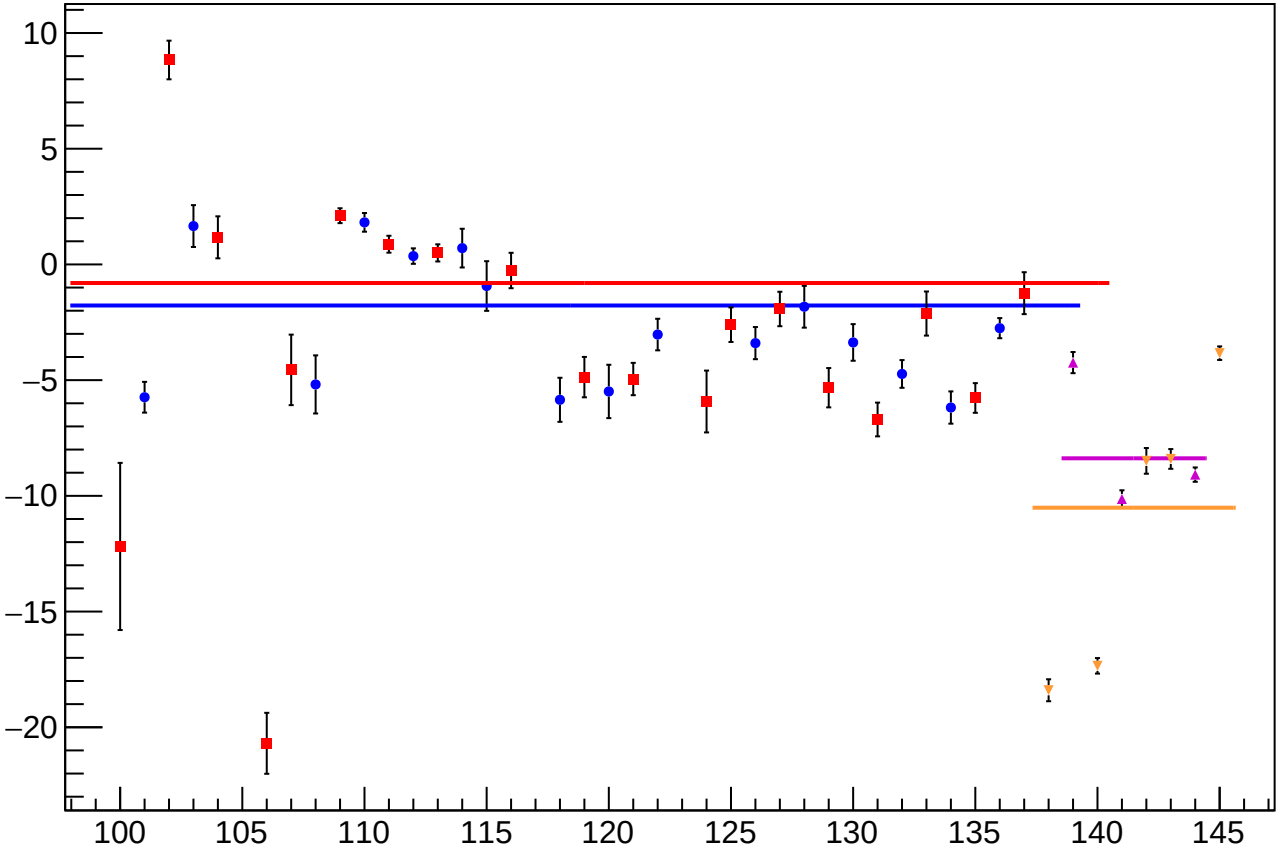
Left In: -0.119+/-0.003 χ^2/NDF:257.5/2

+ sign -0.074+/-0.002 χ^2/NDF: 1332.1/20

All: -0.082+/-0.002 χ^2/NDF: 4160.8/42

- sign -0.092+/-0.003 χ^2/NDF: 2802.5/21

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

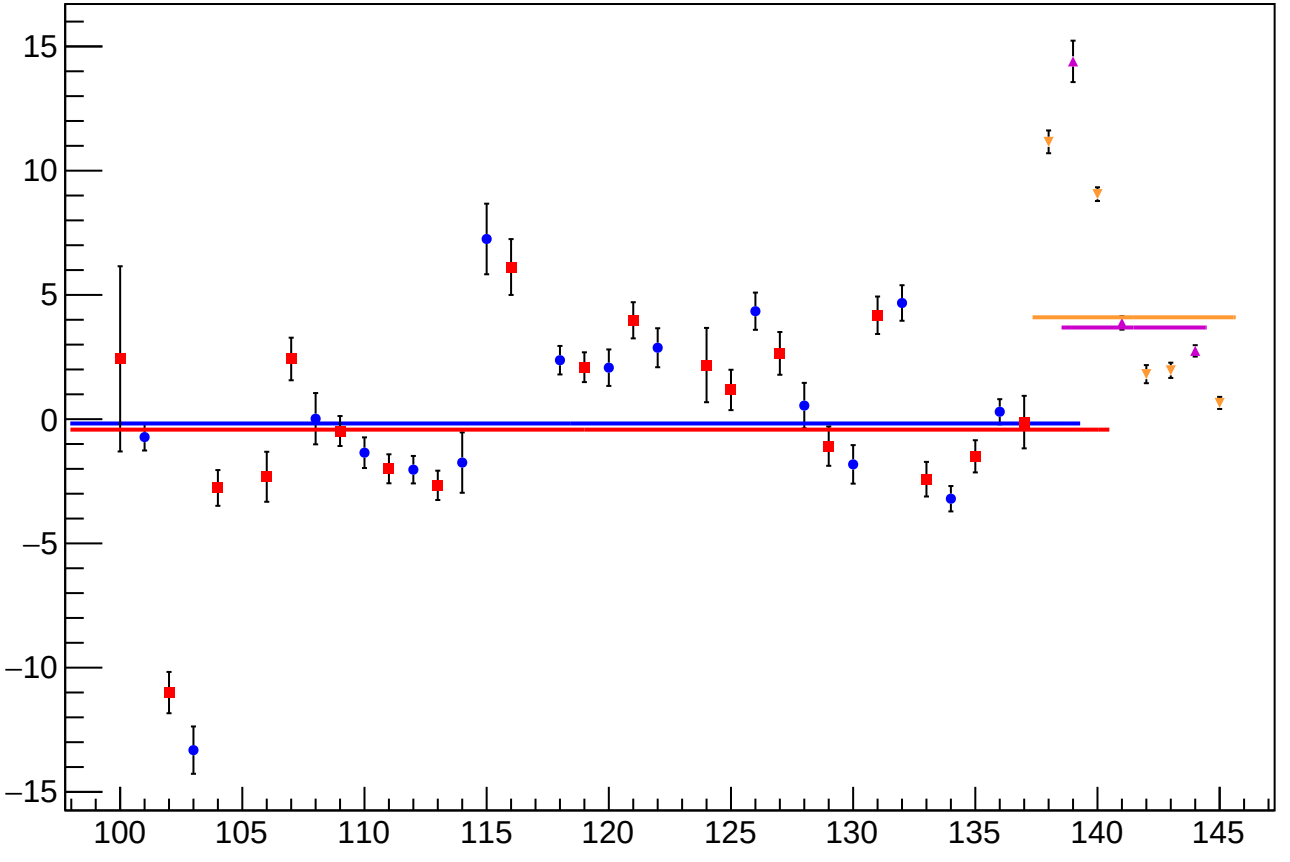
Left In: -8.378+/-0.212 χ^2/NDF:109.1/2

+ sign -5.743+/-0.116 χ^2/NDF: 2949.0/20

All: -4.574+/-0.084 χ^2/NDF: 4862.0/42

- sign -3.295+/-0.121 χ^2/NDF: 1700.9/21

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

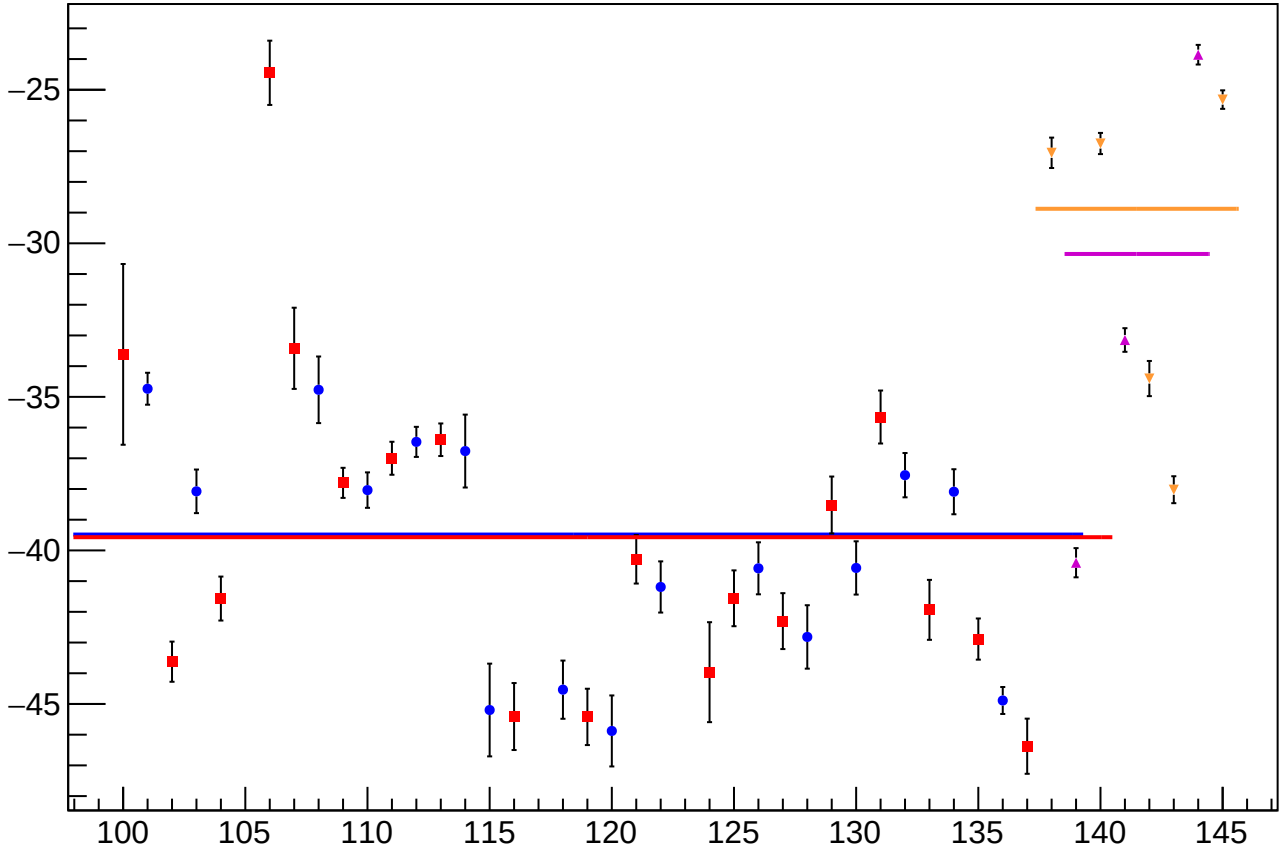
Left In: 3.689+/-0.172 χ^2/NDF:182.5/2

+ sign 2.445+/-0.108 χ^2/NDF: 1623.6/20

All: 2.122+/-0.081 χ^2/NDF: 2470.6/42

- sign 1.699+/-0.123 χ^2/NDF: 826.3/21

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

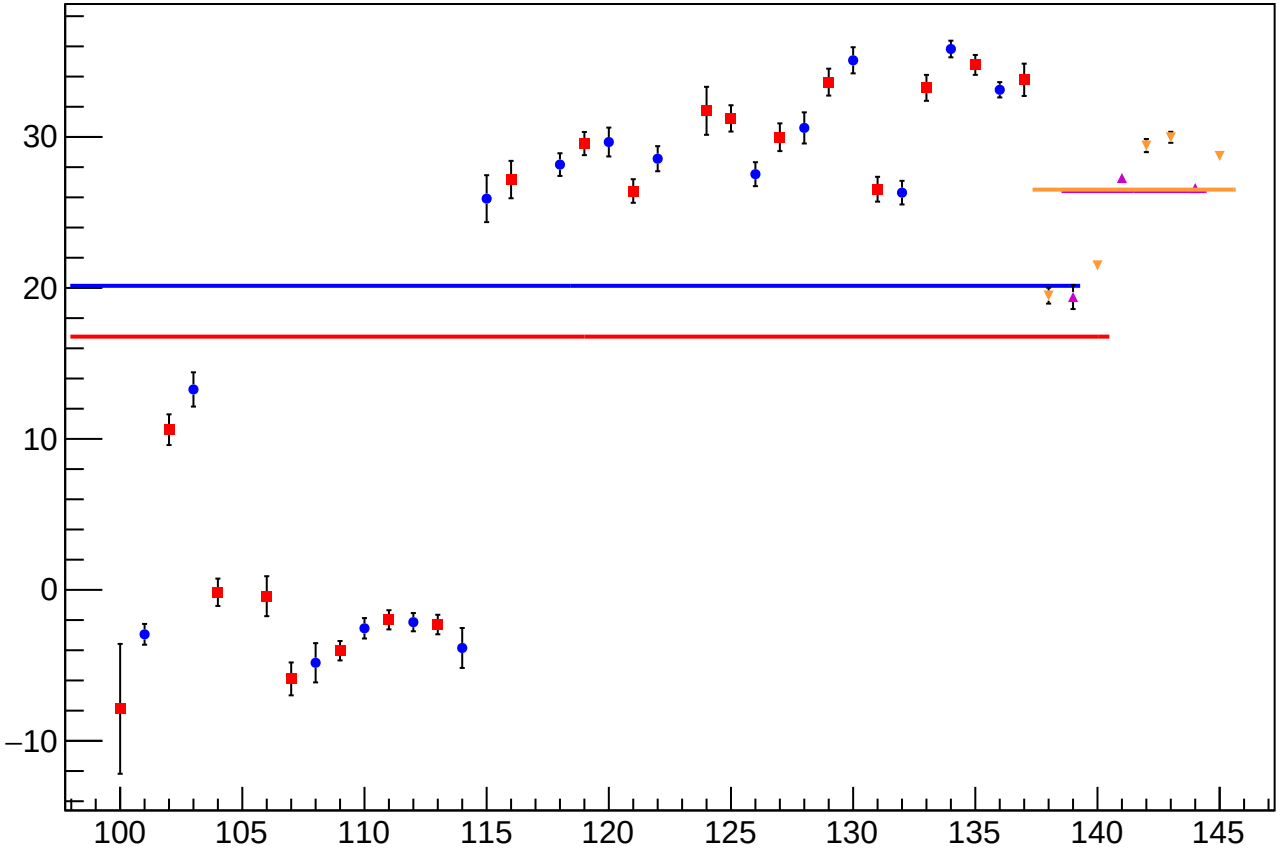
Left In: -30.347+/-0.218 χ^2/NDF:911.8/2

+ sign -34.099+/-0.126 χ^2/NDF: 2886.8/20

All: -34.874+/-0.094 χ^2/NDF: 5492.3/42

- sign -35.816+/-0.139 χ^2/NDF: 2522.3/21

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

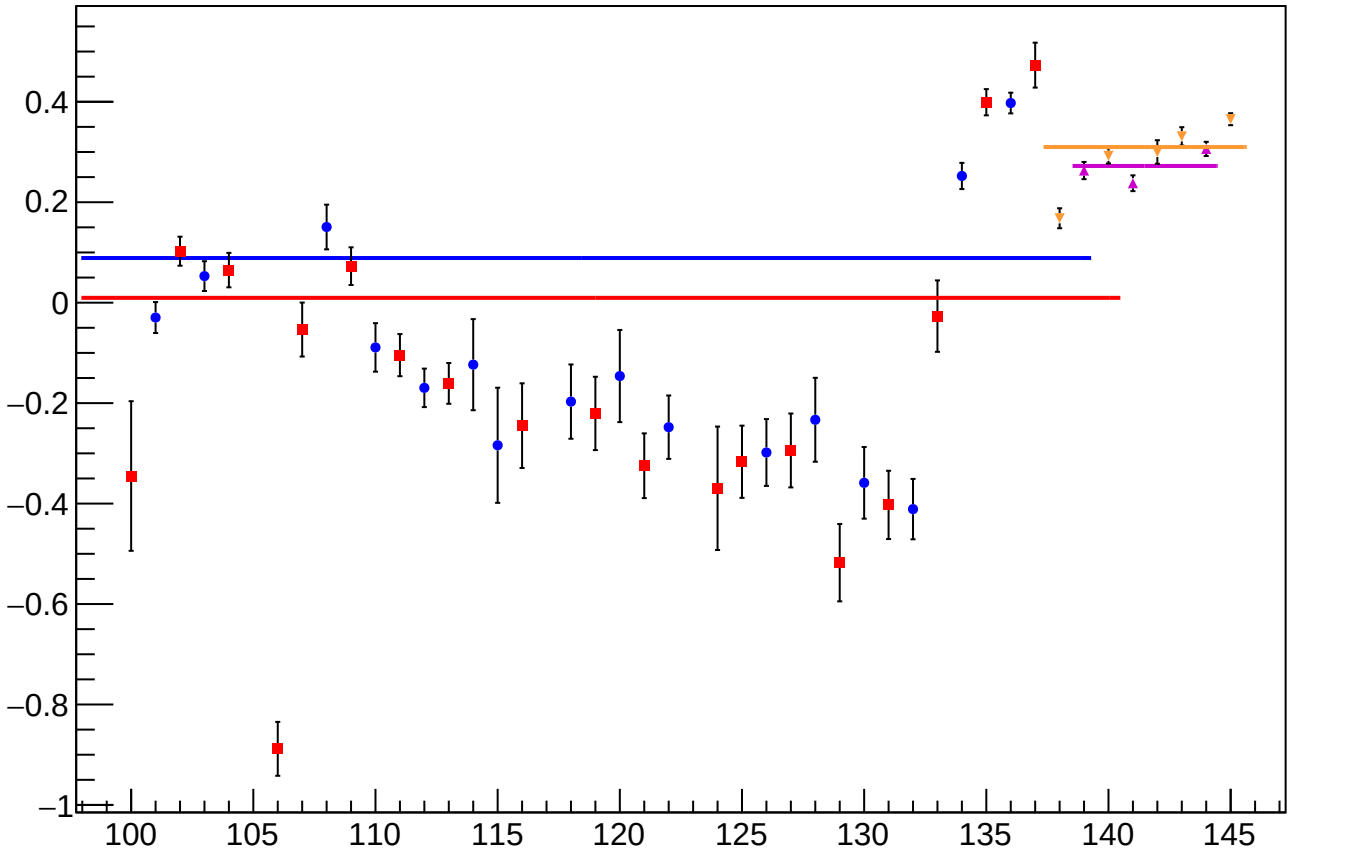
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.417+/-0.200 χ^2/NDF:84.6/2

+ sign 23.917+/-0.124 χ^2/NDF: 7923.5/20

All: 22.899+/-0.093 χ^2/NDF: 16062.7/42

- sign 21.579+/-0.141 χ^2/NDF: 7985.2/21



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.310+/-0.007 χ^2/NDF:75.3/4

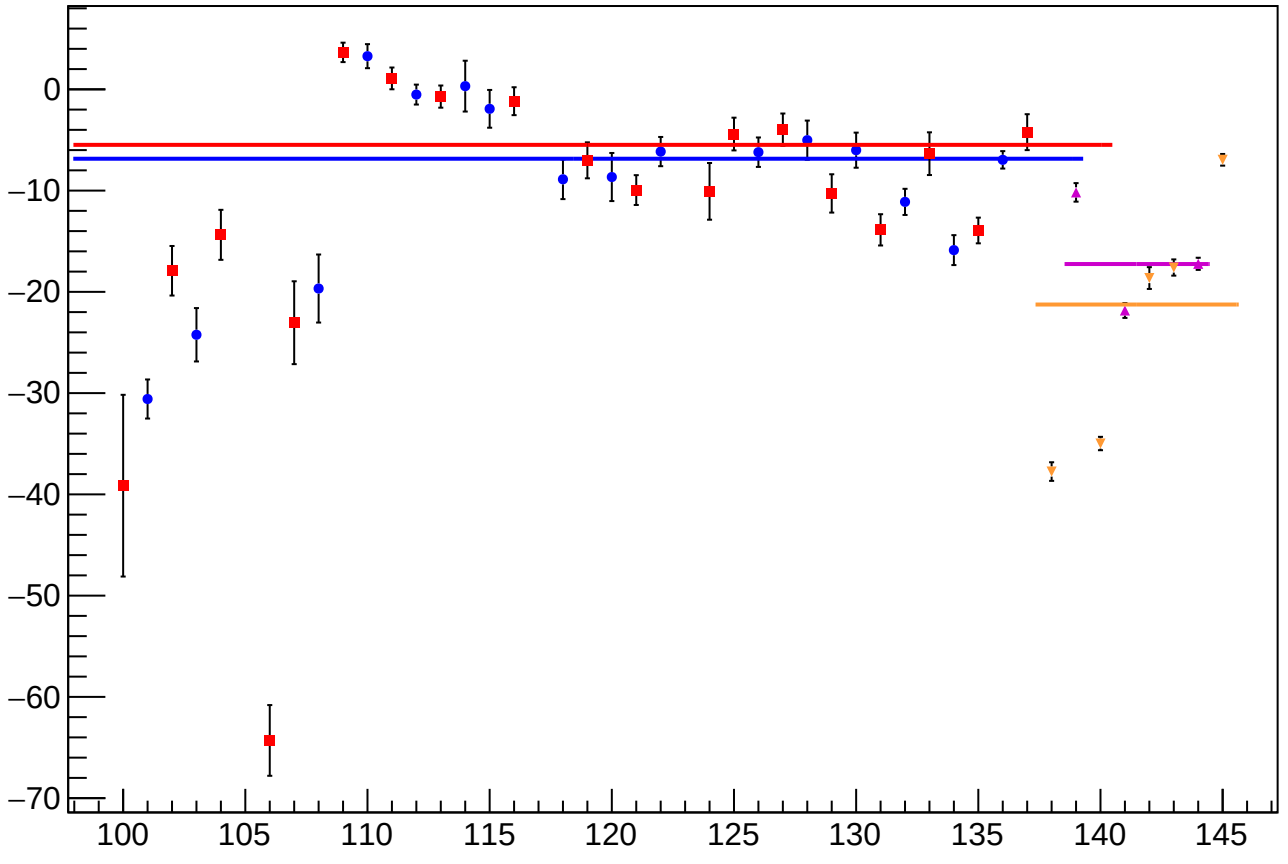
Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.272+/-0.009 χ^2/NDF:10.8/2

+ sign 0.237+/-0.006 χ^2/NDF: 940.4/20

All: 0.207+/-0.005 χ^2/NDF: 2184.5/42

- sign 0.168+/-0.007 χ^2/NDF: 1187.5/21



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

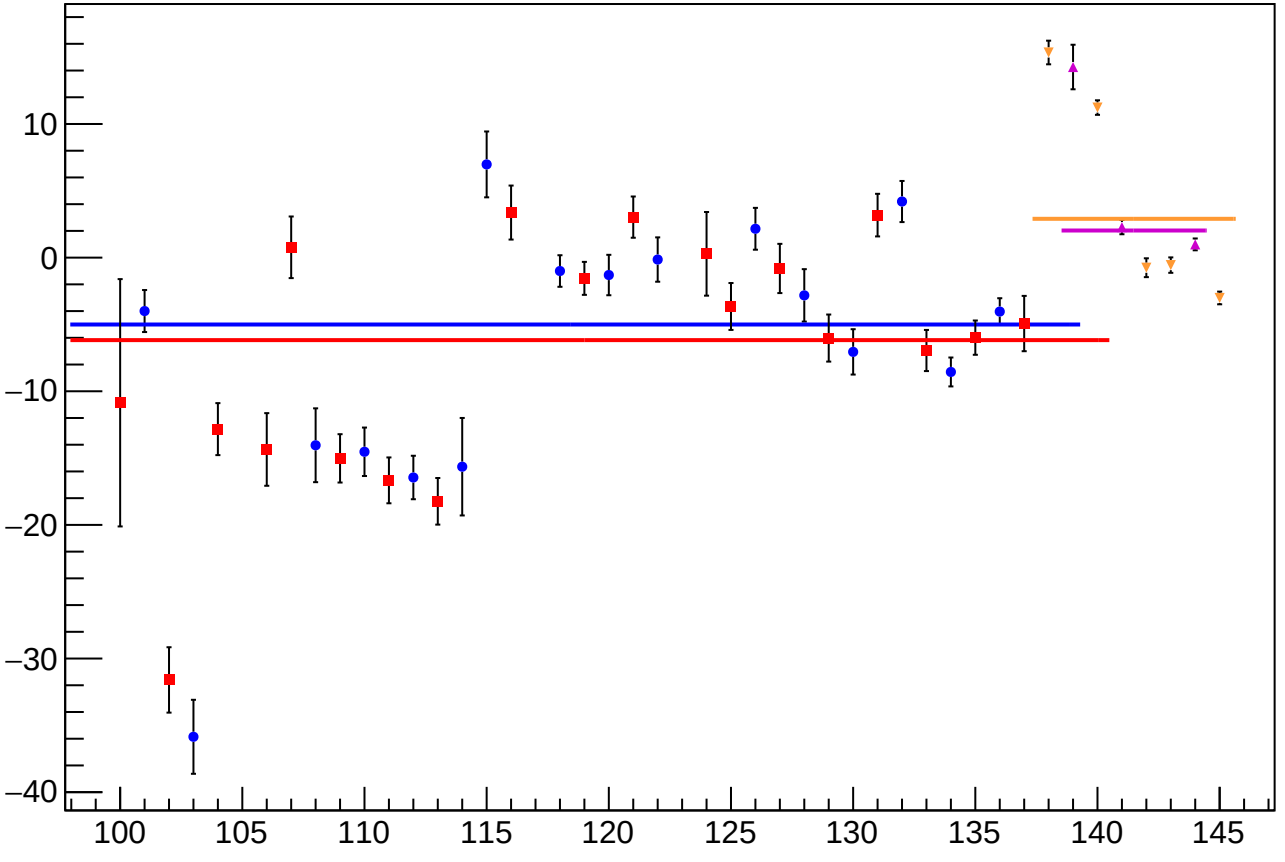
Left In: -17.252+/-0.415 χ^2/NDF:98.7/2

+ sign -14.870+/-0.250 χ^2/NDF: 2603.9/20

All: -12.980+/-0.185 χ^2/NDF: 3885.3/42

- sign -10.684+/-0.276 χ^2/NDF: 1154.8/21

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



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

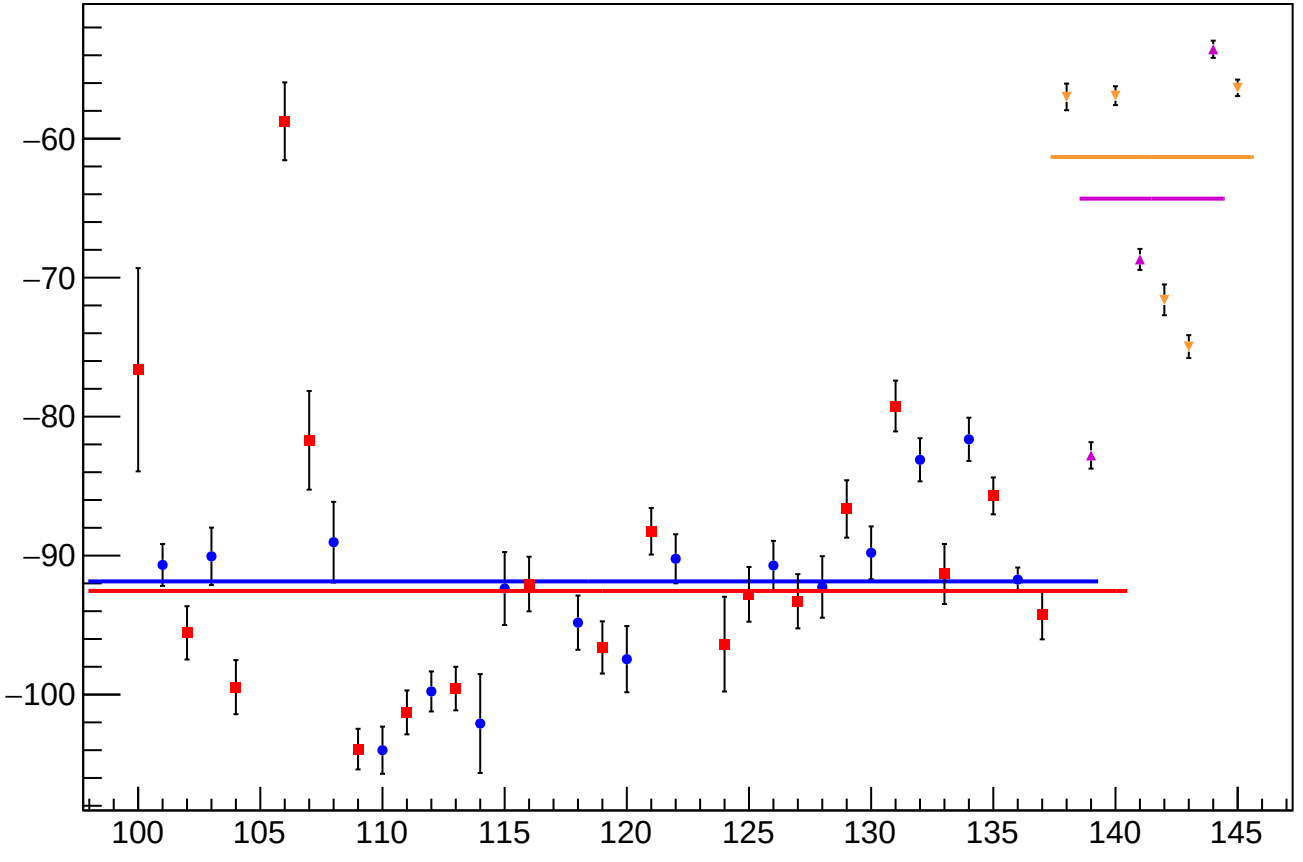
Left In: 2.030+/-0.334 χ^2/NDF:59.6/2

+ sign 0.435+/-0.221 χ^2/NDF: 1267.1/20

All: -0.240+/-0.168 χ^2/NDF: 1954.2/42

- sign -1.181+/-0.261 χ^2/NDF: 664.8/21

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

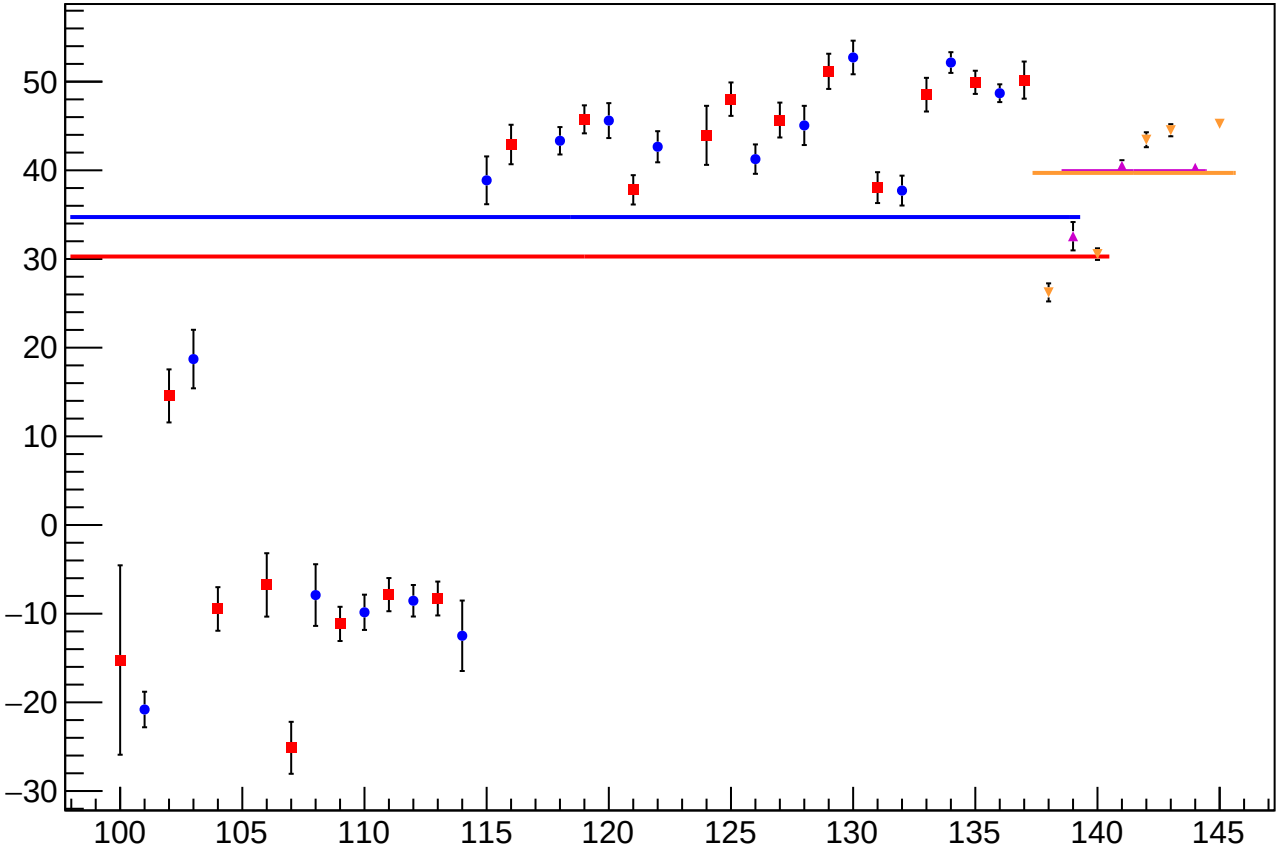
Left In: -64.315+/-0.428 χ^2/NDF:710.7/2

+ sign -73.498+/-0.268 χ^2/NDF: 3787.5/20

All: -75.469+/-0.202 χ^2/NDF: 7131.6/42

- sign -78.051+/-0.306 χ^2/NDF: 3218.9/21

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

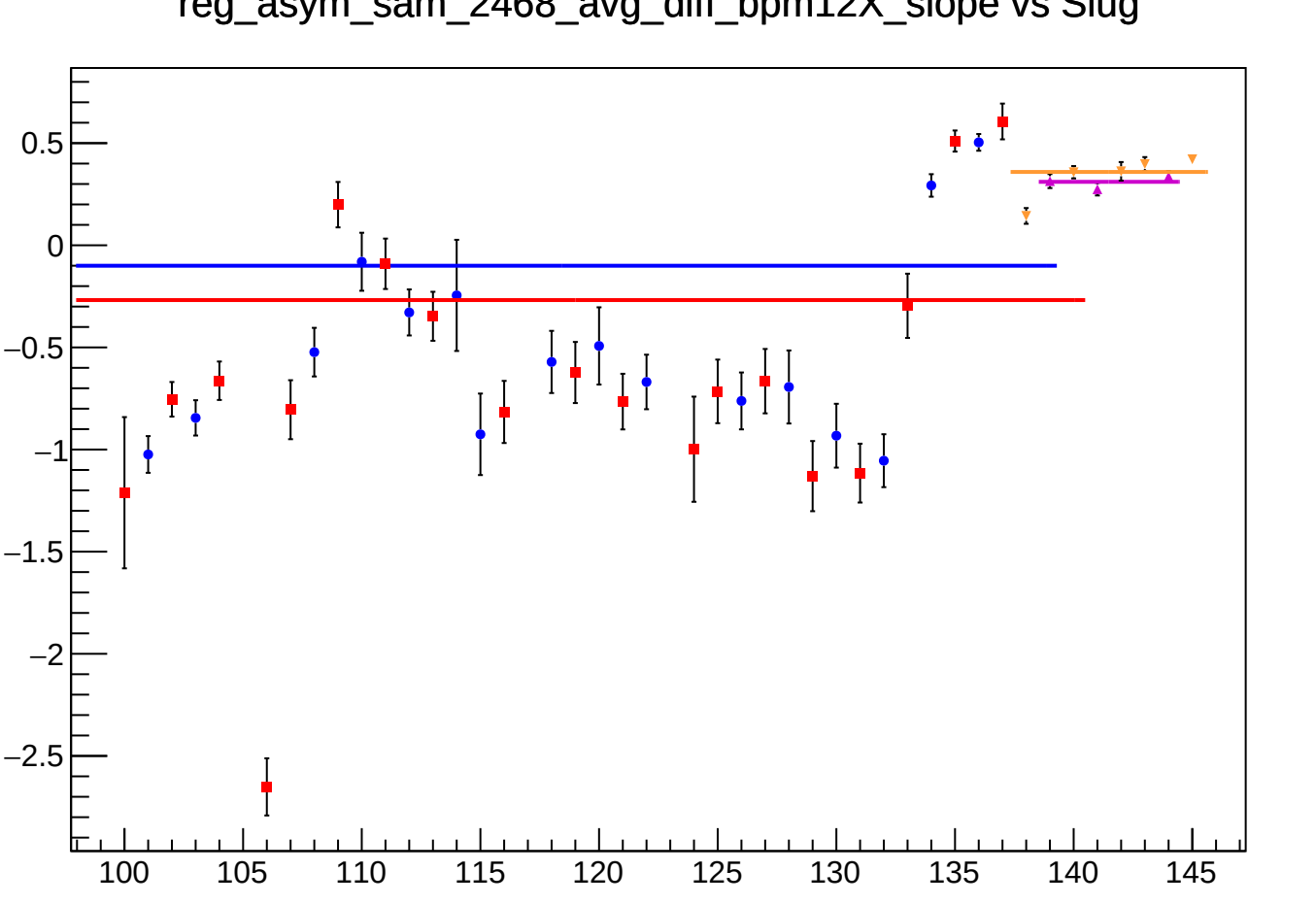
Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 39.906+/-0.390 χ^2/NDF:22.5/2

+ sign 38.046+/-0.255 χ^2/NDF: 3436.8/20

All: 37.163+/-0.194 χ^2/NDF: 6649.0/42

- sign 35.948+/-0.300 χ^2/NDF: 3183.8/21



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

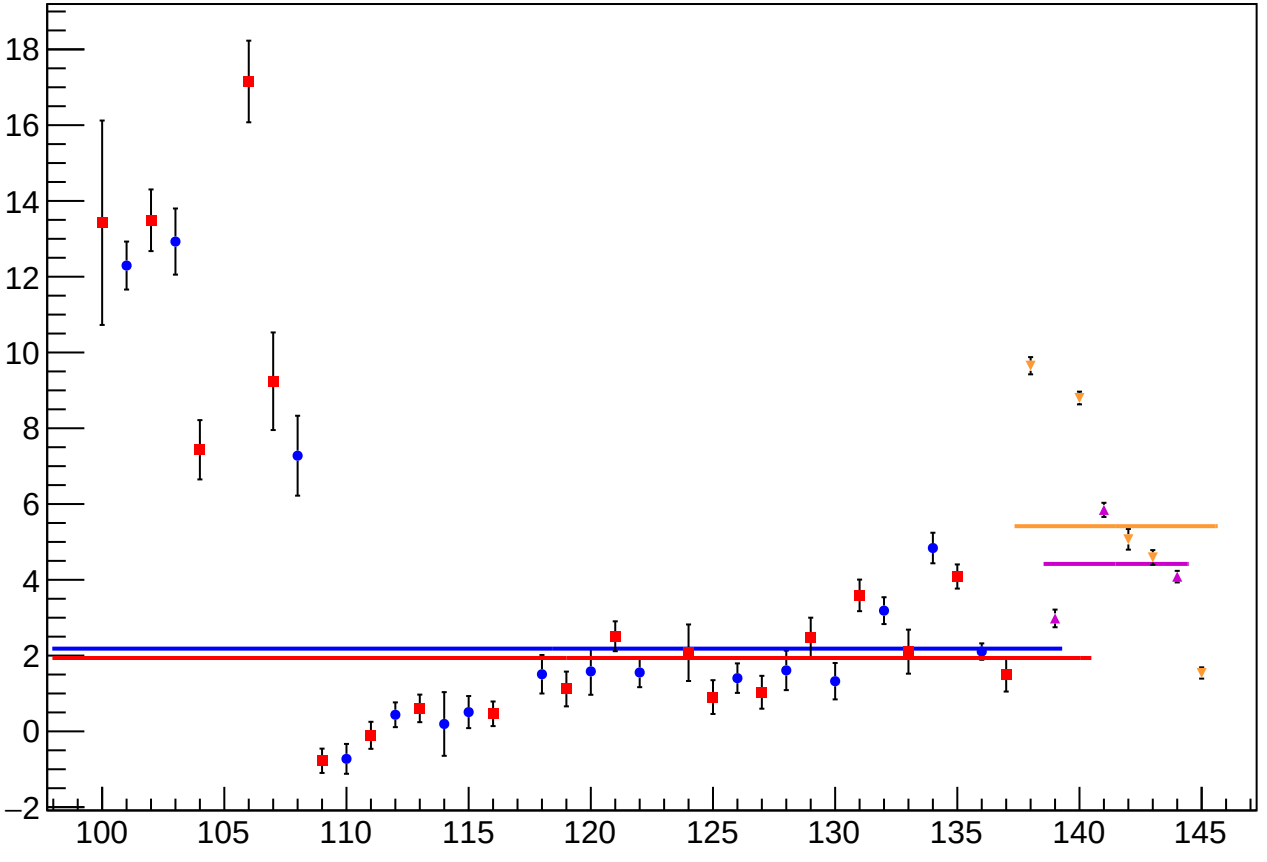
Left In: 0.311+/-0.018 χ^2/NDF:2.3/2

+ sign 0.239+/-0.012 χ^2/NDF: 940.9/20

All: 0.195+/-0.009 χ^2/NDF: 2131.1/42

- sign 0.132+/-0.015 χ^2/NDF: 1158.7/21

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

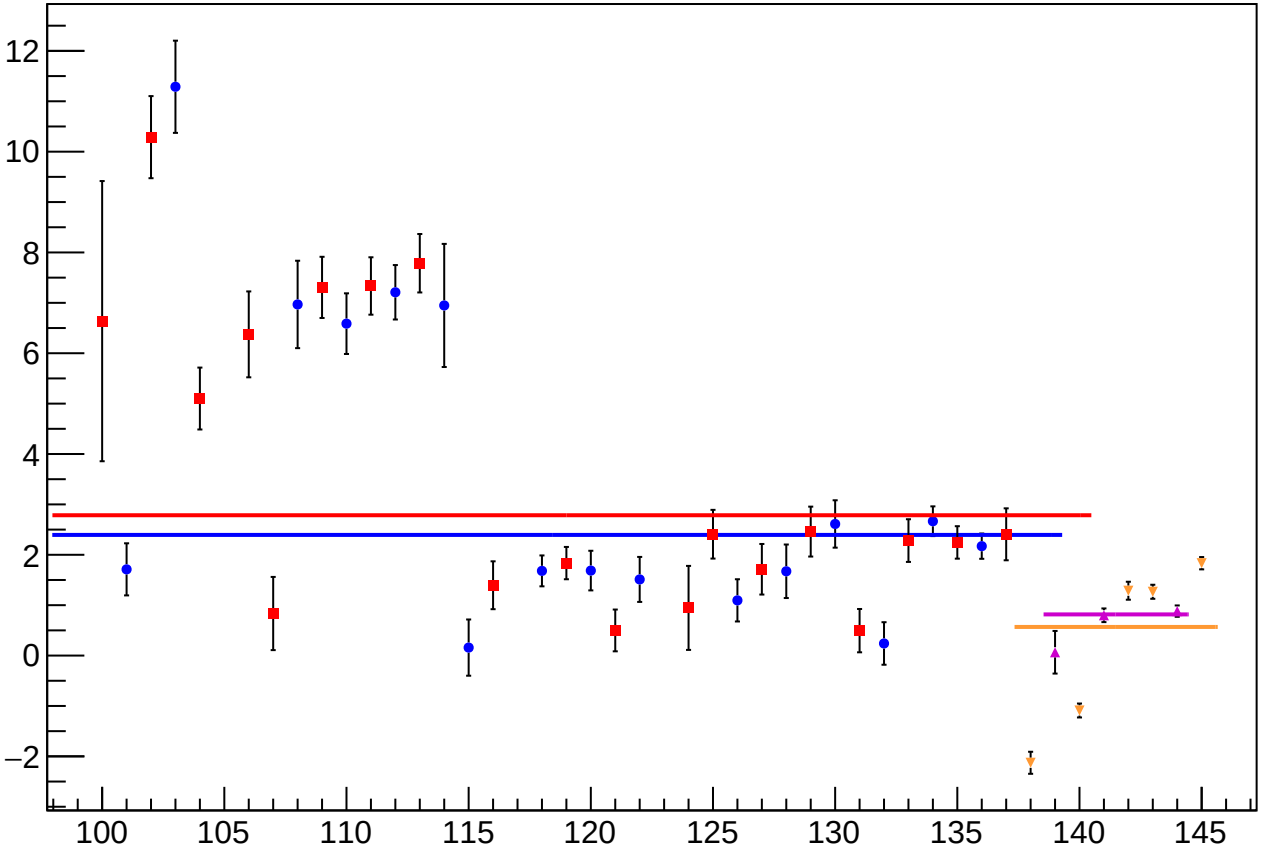
Left In: 4.420+/-0.105 χ^2/NDF:101.4/2

+ sign 4.146+/-0.066 χ^2/NDF: 2627.0/20

All: 3.722+/-0.049 χ^2/NDF: 3817.4/42

- sign 3.178+/-0.075 χ^2/NDF: 1095.7/21

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

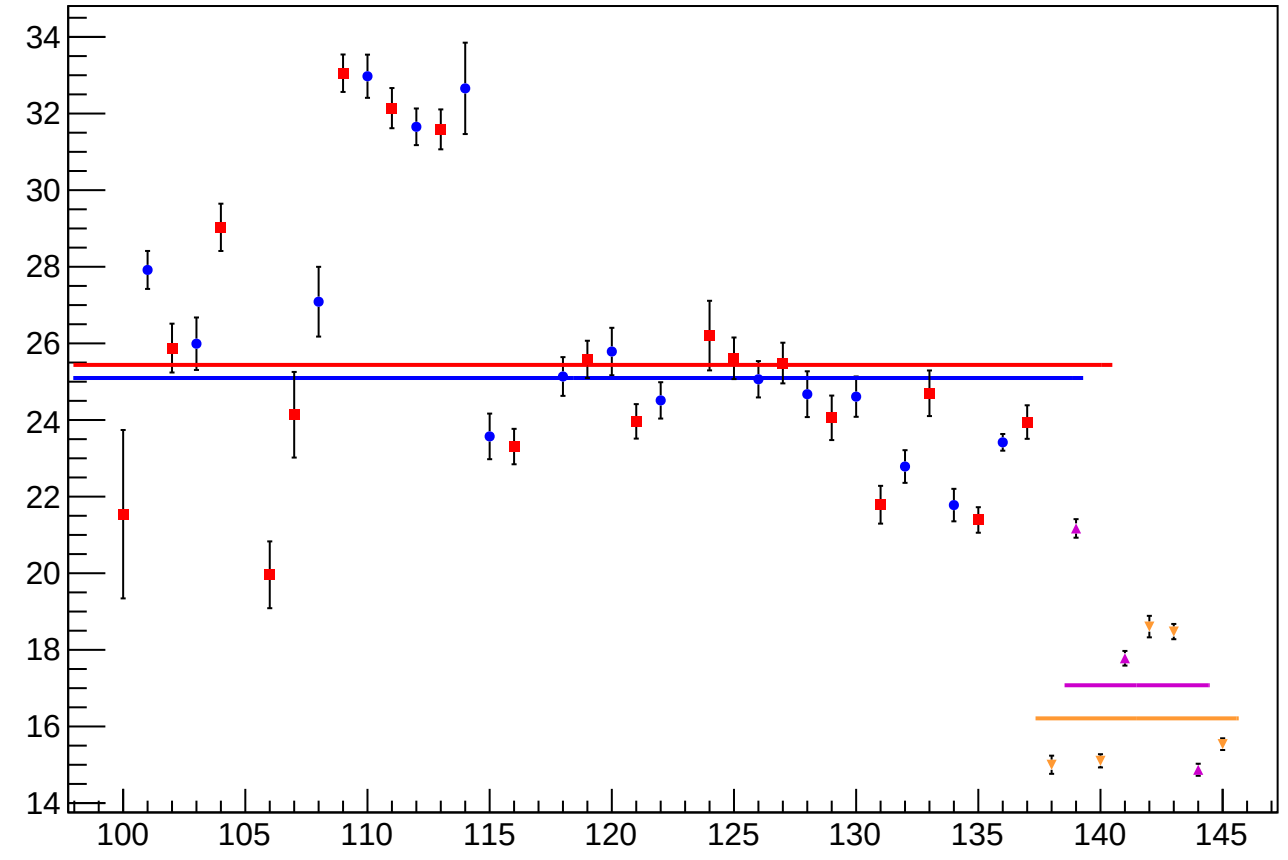
Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.817+/-0.085 χ^2/NDF:3.5/2

+ sign 1.073+/-0.057 χ^2/NDF: 983.9/20

All: 1.249+/-0.044 χ^2/NDF: 1609.4/42

- sign 1.504+/-0.068 χ^2/NDF: 602.1/21



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.211+/-0.087 χ^2/NDF:288.8/4

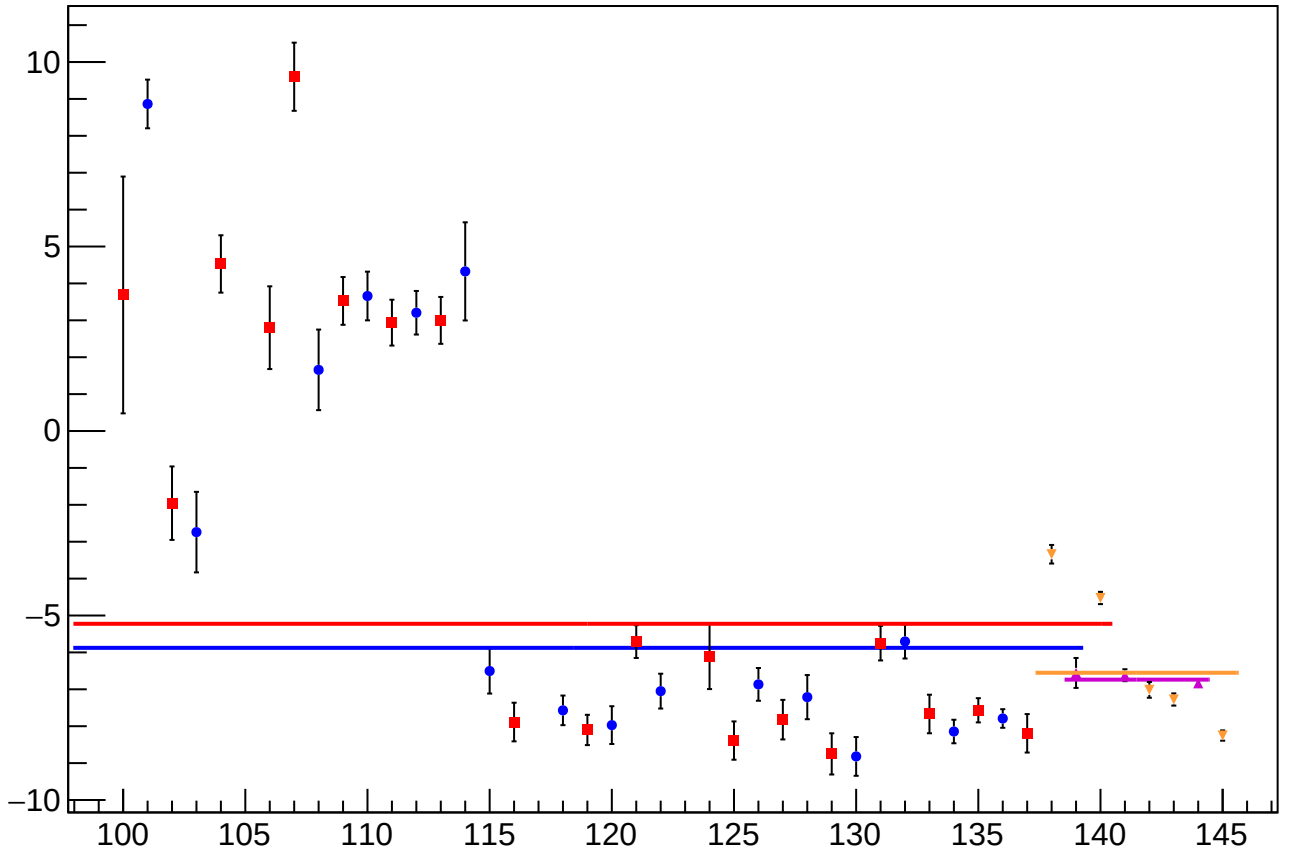
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 17.076+/-0.109 χ^2/NDF:495.0/2

+ sign 19.359+/-0.070 χ^2/NDF: 4601.9/20

All: 19.930+/-0.053 χ^2/NDF: 8702.7/42

- sign 20.710+/-0.082 χ^2/NDF: 3943.1/21



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

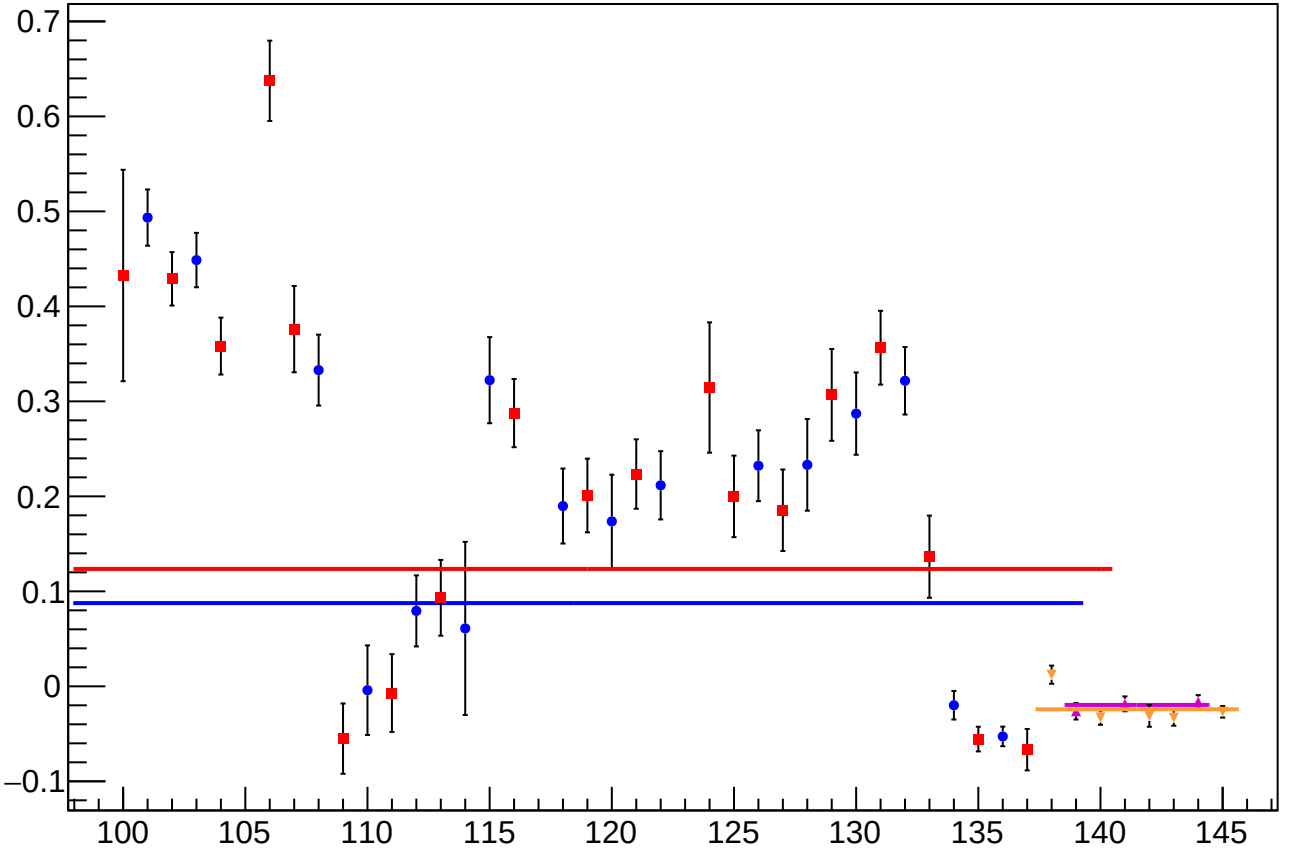
Left In: -6.738+/-0.099 χ^2/NDF:1.3/2

+ sign -6.350+/-0.066 χ^2/NDF: 1755.9/20

All: -6.279+/-0.051 χ^2/NDF: 3138.1/42

- sign -6.178+/-0.079 χ^2/NDF: 1379.4/21

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

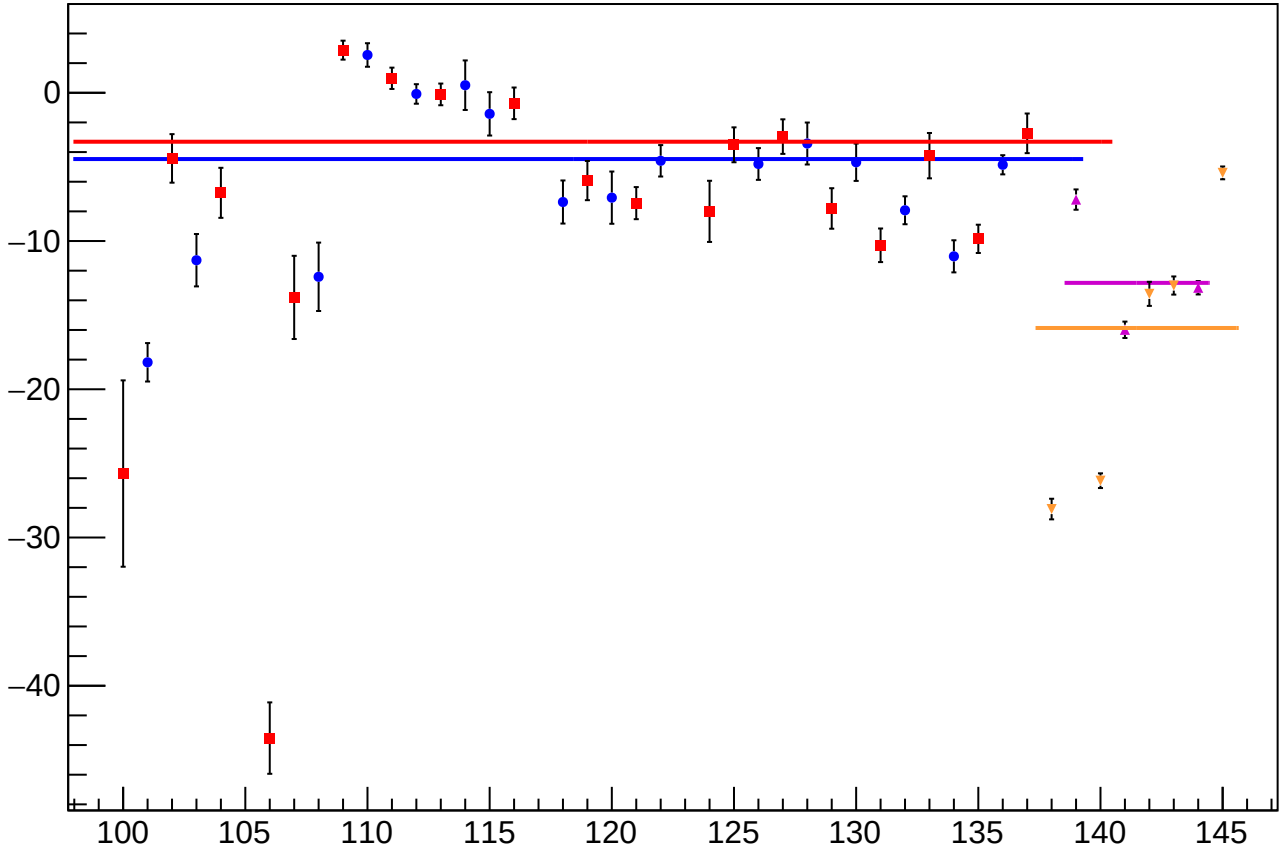
Left In: -0.020+/-0.004 χ^2/NDF:0.8/2

+ sign 0.001+/-0.003 χ^2/NDF: 1007.1/20

All: 0.009+/-0.002 χ^2/NDF: 2061.1/42

- sign 0.019+/-0.004 χ^2/NDF: 1041.2/21

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

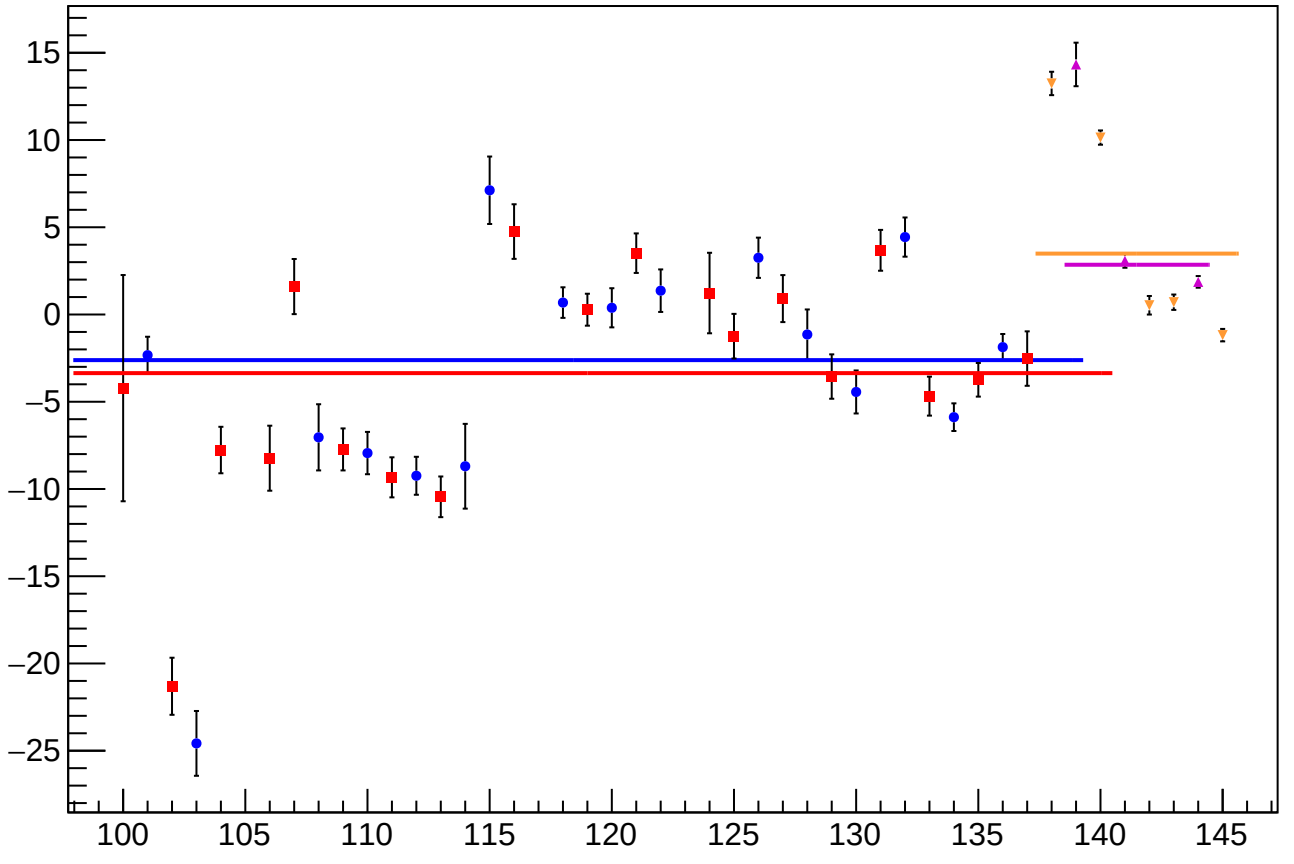
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -12.823+/-0.312 χ^2/NDF:100.6/2

+ sign -10.513+/-0.184 χ^2/NDF: 2642.0/20

All: -9.004+/-0.135 χ^2/NDF: 4022.3/42

- sign -7.219+/-0.200 χ^2/NDF: 1233.5/21



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

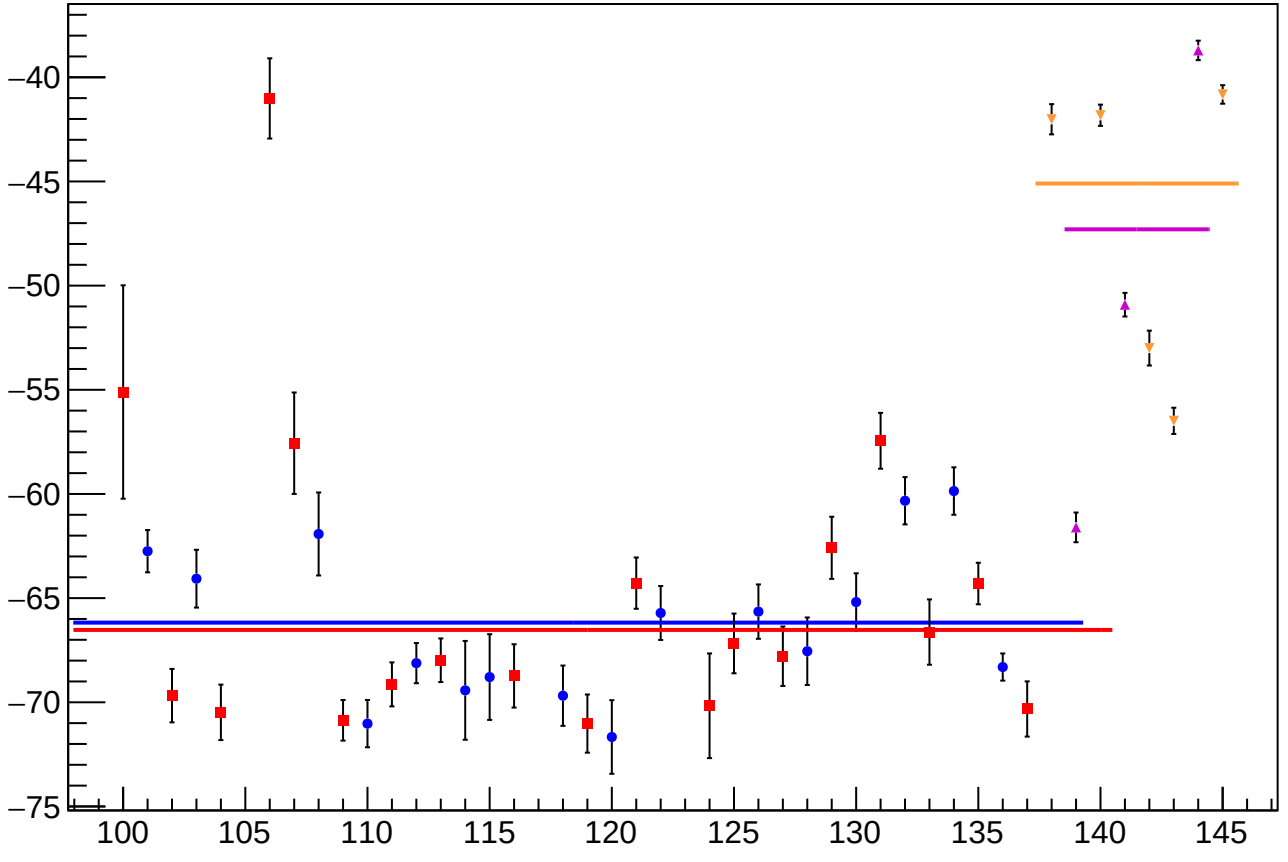
Left In: 2.851+/-0.252 χ^2/NDF:93.6/2

+ sign 1.468+/-0.164 χ^2/NDF: 1375.6/20

All: 0.964+/-0.125 χ^2/NDF: 2103.8/42

- sign 0.274+/-0.192 χ^2/NDF: 706.0/21

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

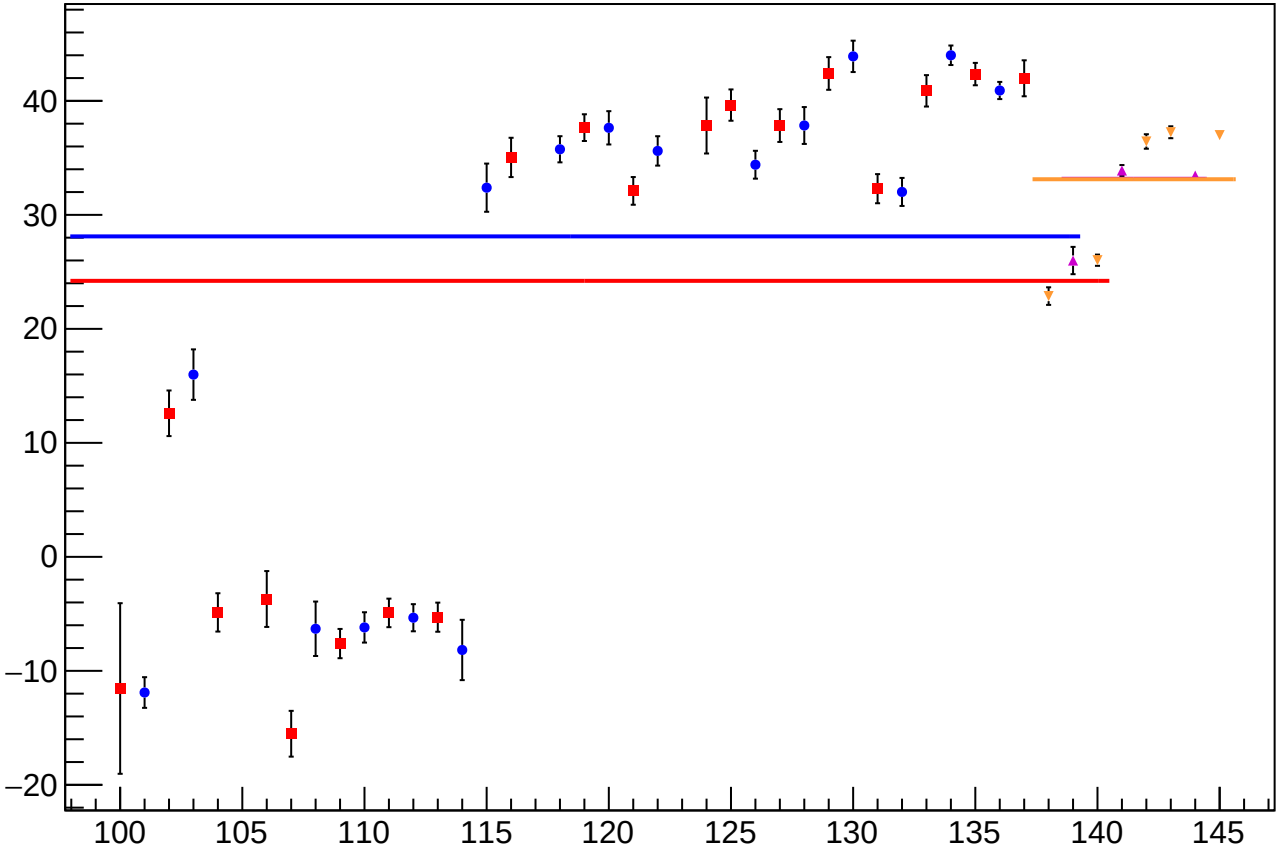
Left In: -47.298+/-0.322 χ^2/NDF:781.5/2

+ sign -54.006+/-0.198 χ^2/NDF: 3467.5/20

All: -55.401+/-0.148 χ^2/NDF: 6522.5/42

- sign -57.191+/-0.224 χ^2/NDF: 2941.6/21

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

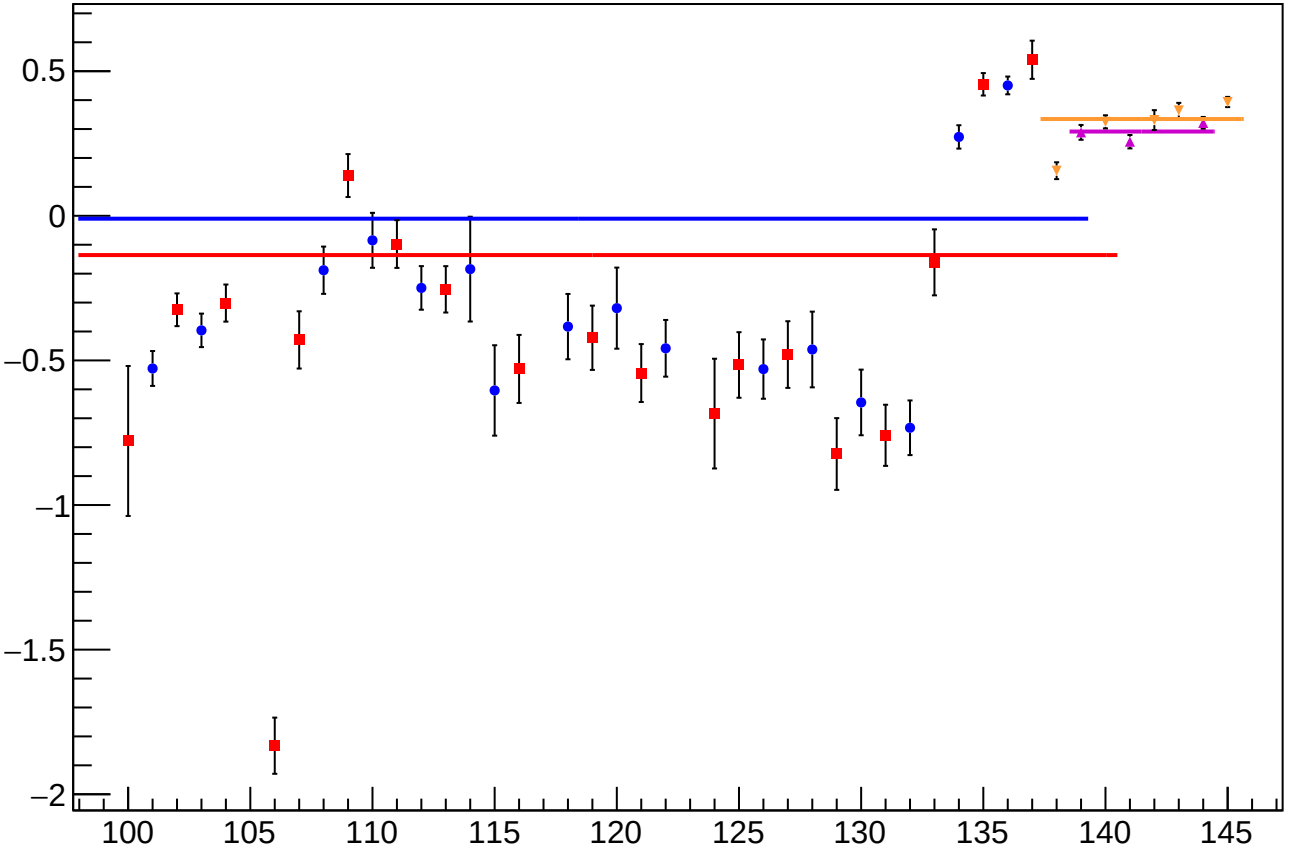
Left In: 33.165+/-0.294 χ^2/NDF:38.7/2

+ sign 31.357+/-0.190 χ^2/NDF: 4450.2/20

All: 30.474+/-0.144 χ^2/NDF: 8784.1/42

- sign 29.278+/-0.221 χ^2/NDF: 4283.1/21

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



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

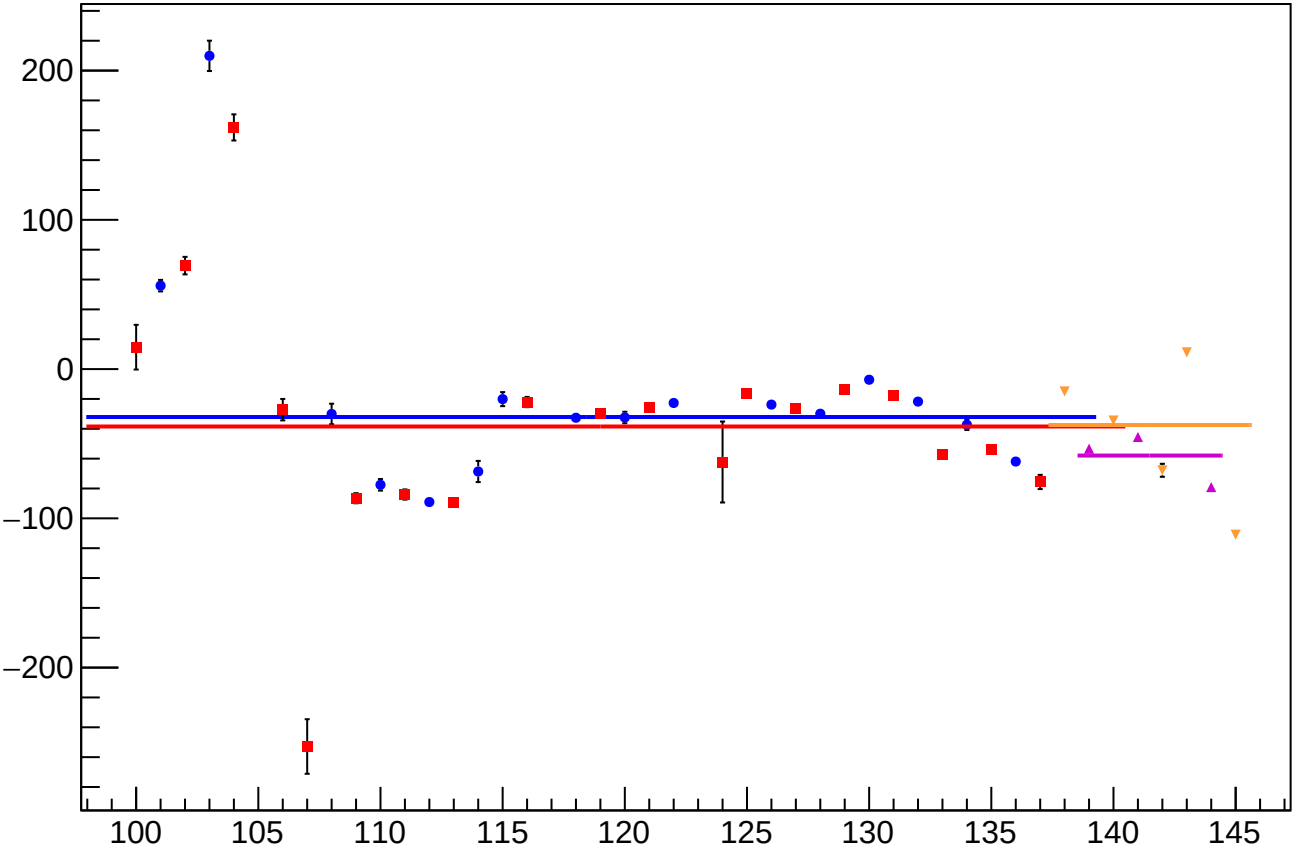
Left In: 0.291+/-0.013 χ^2/NDF:4.4/2

+ sign 0.239+/-0.009 χ^2/NDF: 923.1/20

All: 0.202+/-0.007 χ^2/NDF: 2129.7/42

- sign 0.150+/-0.011 χ^2/NDF: 1167.6/21

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

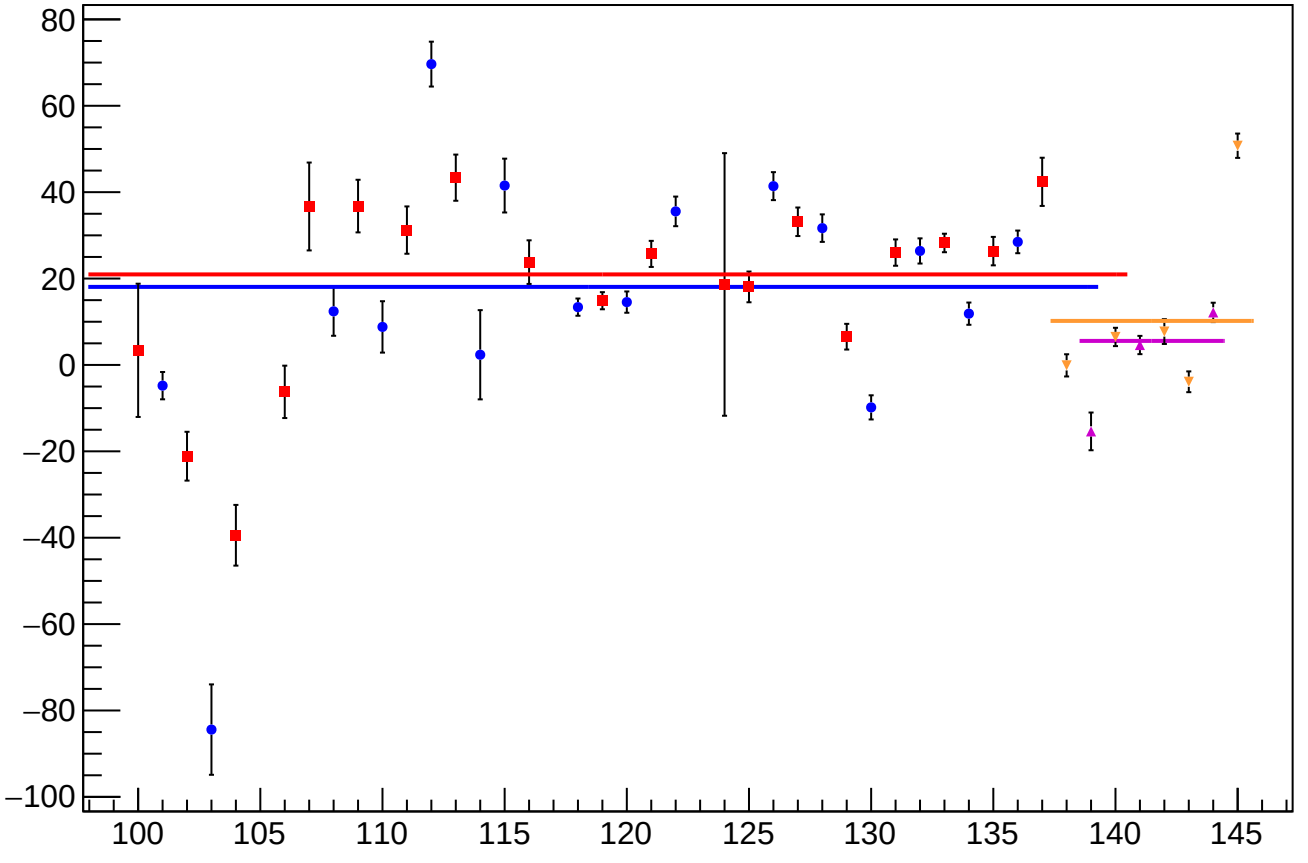
Left In: -57.934+/-1.584 χ^2/NDF:70.6/2

+ sign -33.651+/-0.712 χ^2/NDF: 2765.0/20

All: -37.996+/-0.519 χ^2/NDF: 5004.2/42

- sign -42.932+/-0.759 χ^2/NDF: 2159.6/21

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

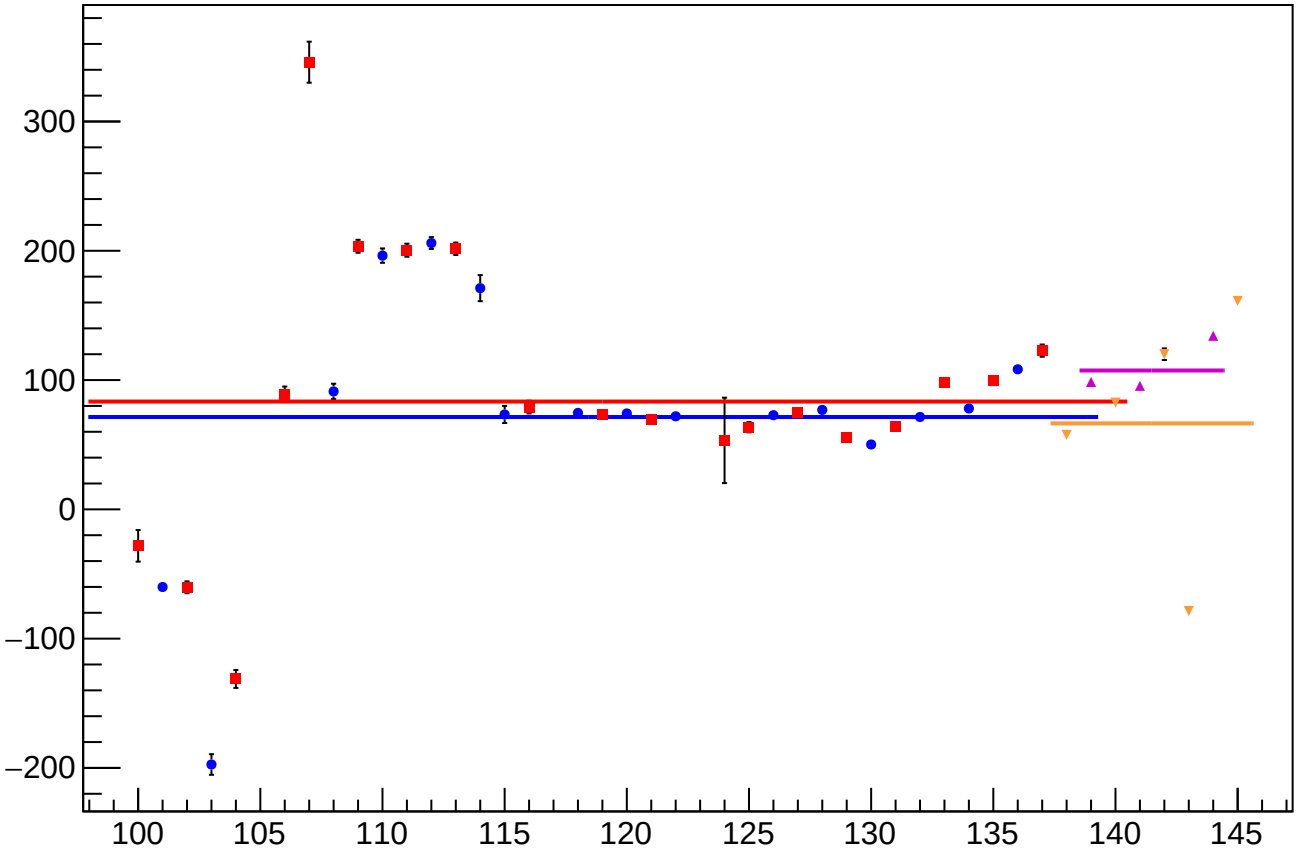
Left In: 5.564+/-1.451 χ^2/NDF:31.9/2

+ sign 15.316+/-0.664 χ^2/NDF: 793.1/20

All: 16.016+/-0.496 χ^2/NDF: 1173.0/42

- sign 16.900+/-0.745 χ^2/NDF: 377.4/21

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

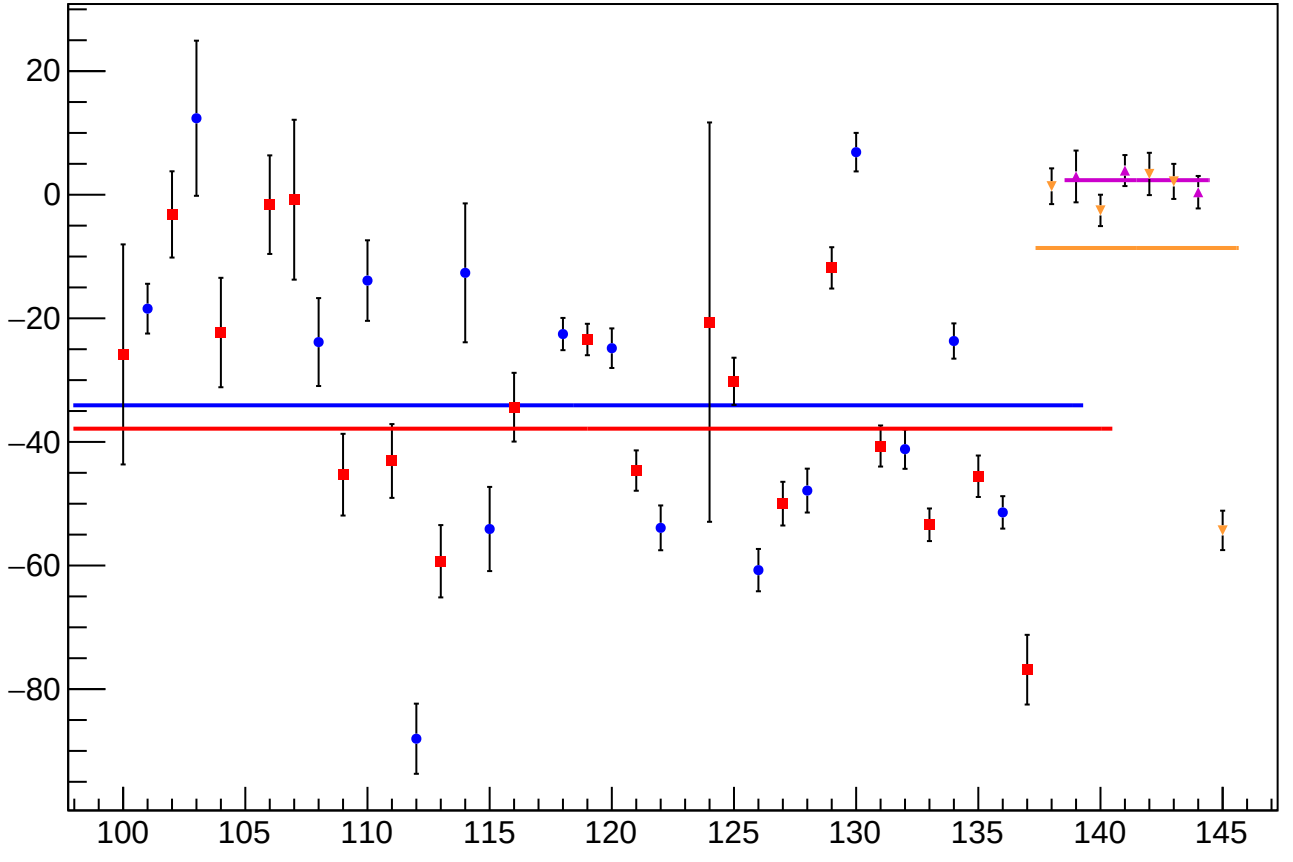
Left In: 107.411+/-1.637 χ^2/NDF:102.0/2

+ sign 69.871+/-0.770 χ^2/NDF: 7696.2/20

All: 78.912+/-0.569 χ^2/NDF: 12556.9/42

- sign 89.771+/-0.844 χ^2/NDF: 4557.4/21

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

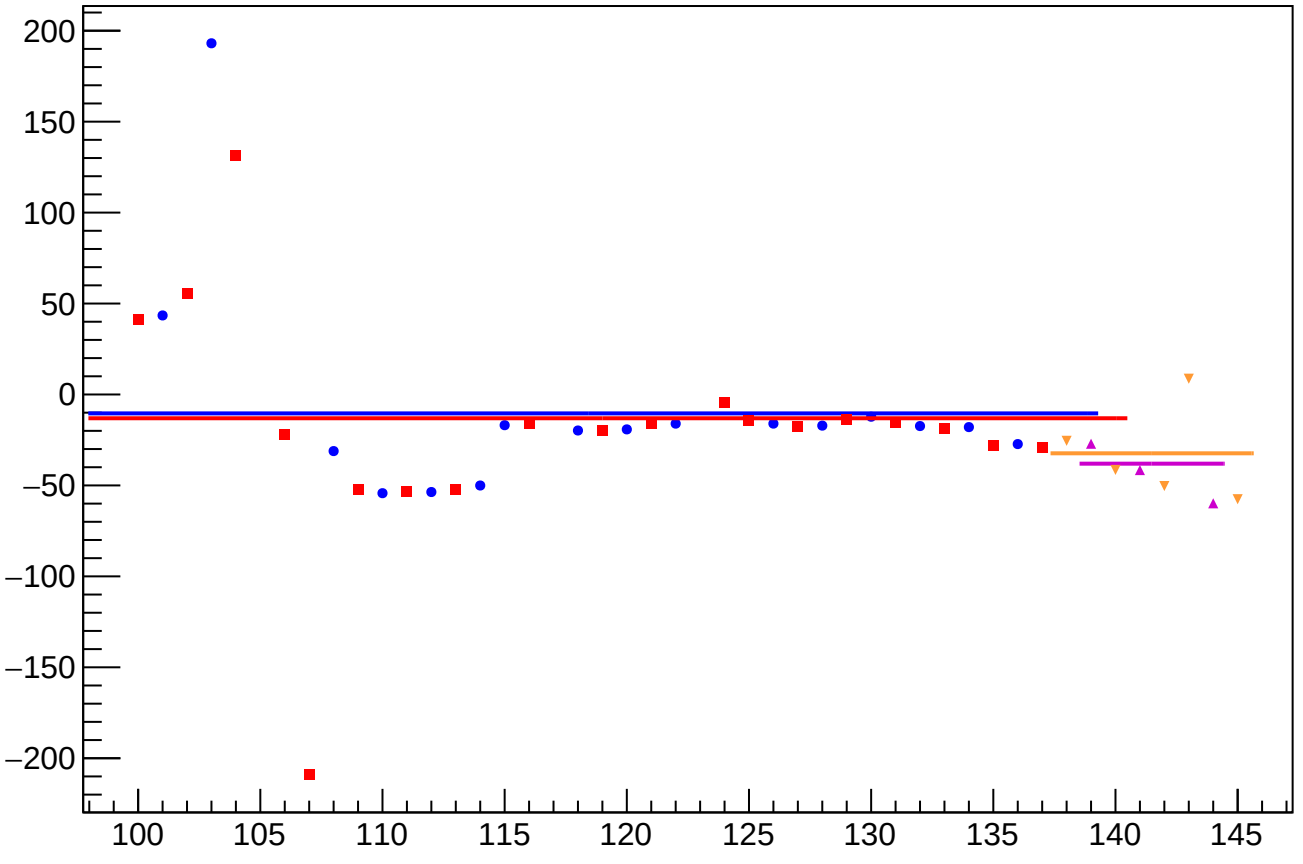
Left In: 2.356+/-1.665 χ^2/NDF:1.0/2

+ sign -25.396+/-0.765 χ^2/NDF: 1010.1/20

All: -26.241+/-0.570 χ^2/NDF: 1718.5/42

- sign -27.292+/-0.853 χ^2/NDF: 705.6/21

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

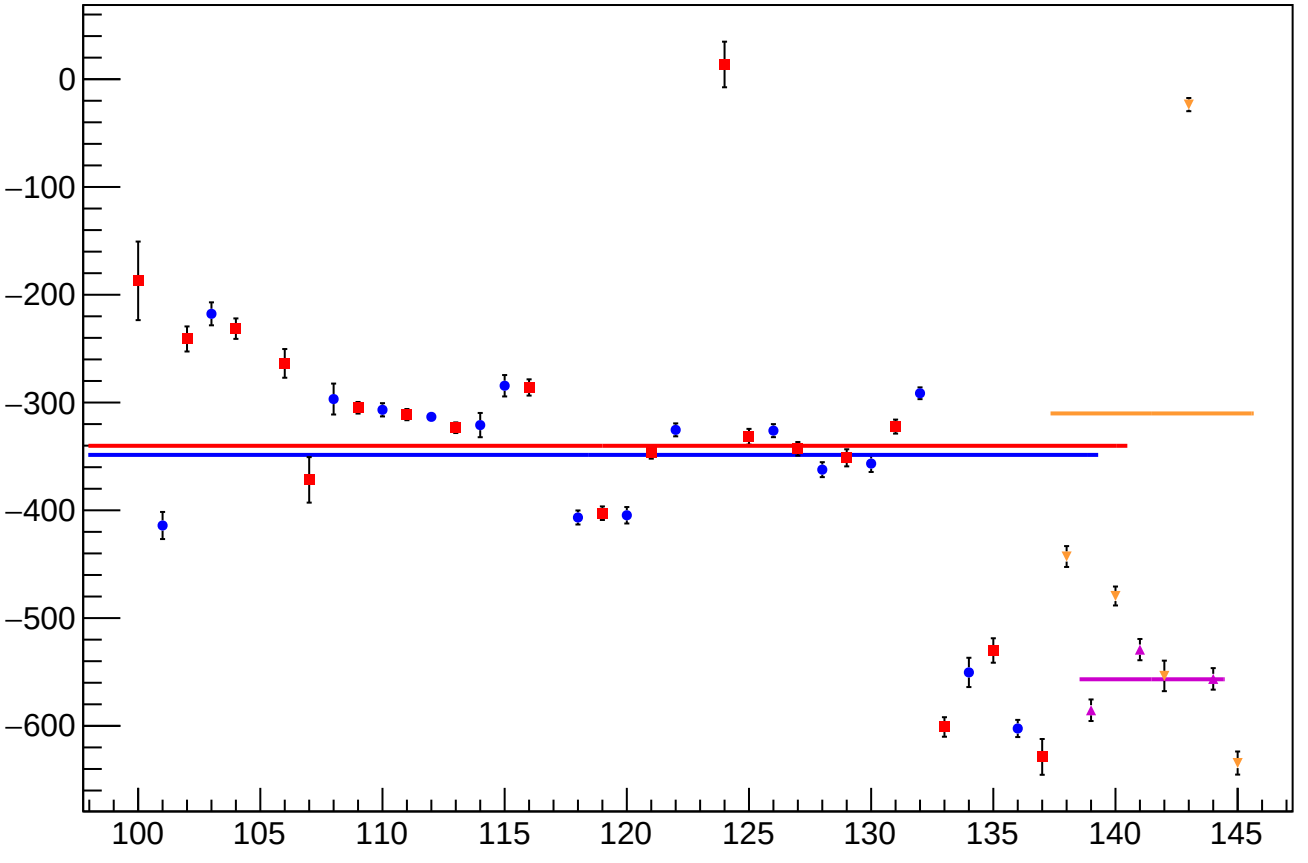
Left In: -38.043+/-0.064 χ^2/NDF:39825.7/2

+ sign -21.466+/-0.040 χ^2/NDF: 741525.1/20

All: -23.147+/-0.030 χ^2/NDF: 1312517.6/42

- sign -25.256+/-0.045 χ^2/NDF: 567011.4/21

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

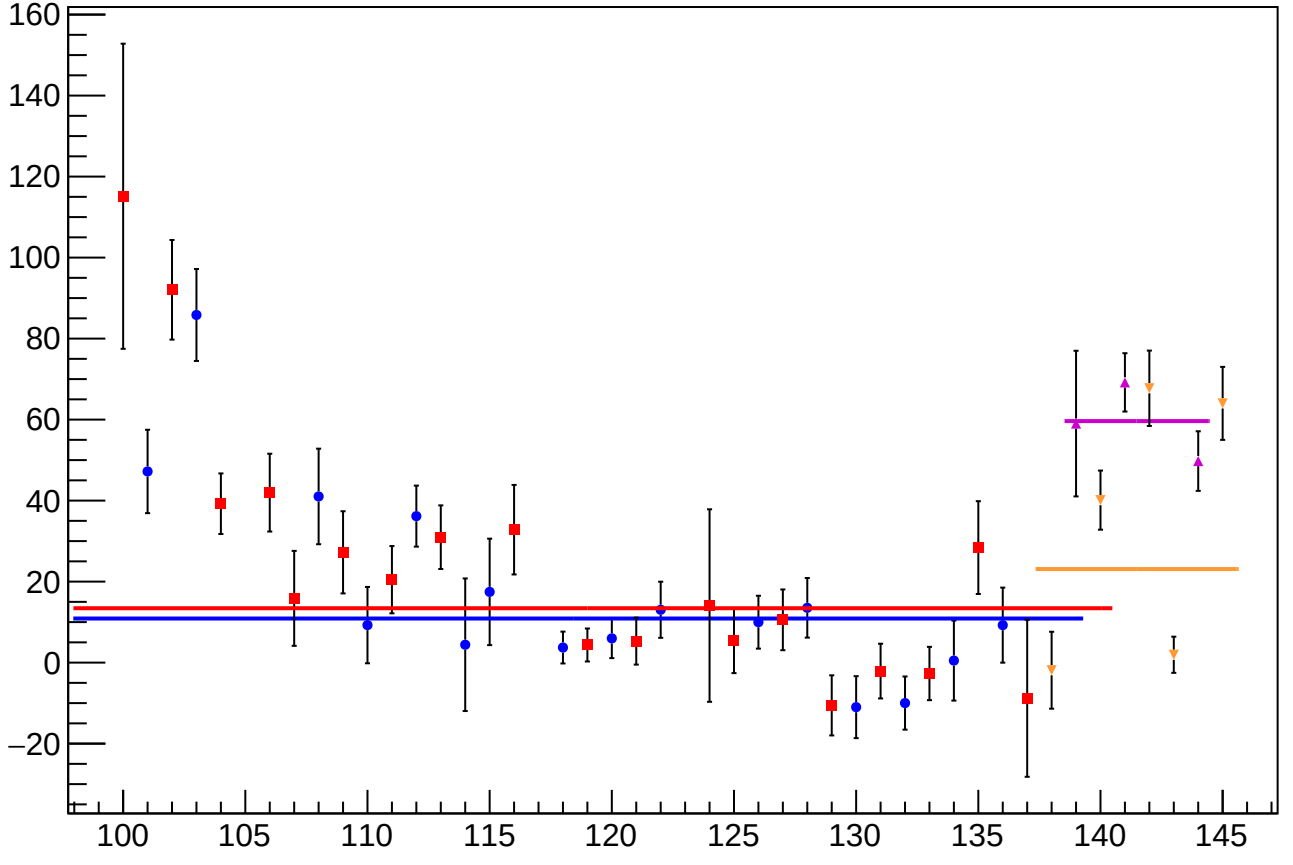
Left In: -556.775+/-5.744 χ^2/NDF:16.0/2

+ sign -341.830+/-1.657 χ^2/NDF: 5898.5/20

All: -350.149+/-1.180 χ^2/NDF: 9463.3/42

- sign -358.727+/-1.682 χ^2/NDF: 3513.7/21

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

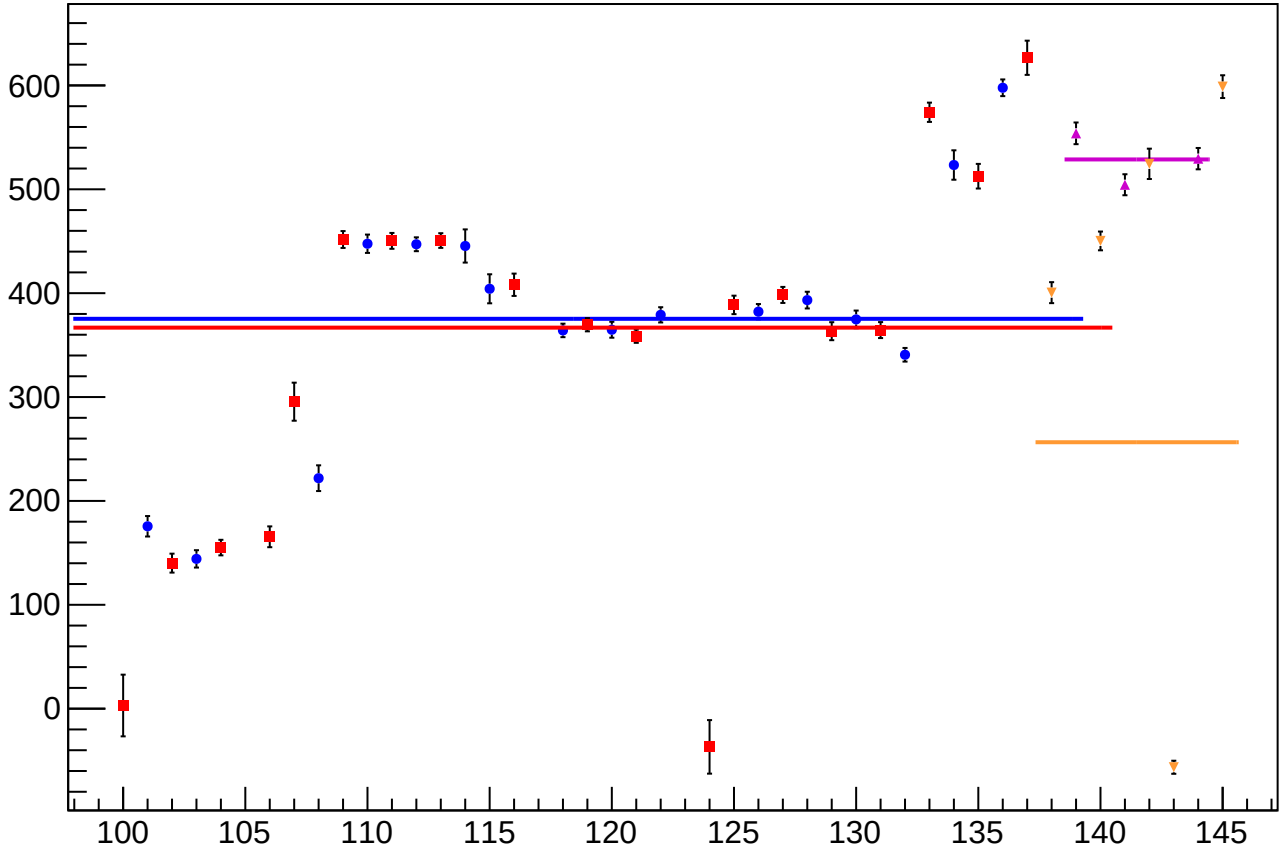
Left In: 59.633+/-4.948 χ^2/NDF:3.6/2

+ sign 14.073+/-1.584 χ^2/NDF: 188.1/20

All: 16.365+/-1.170 χ^2/NDF: 385.2/42

- sign 19.118+/-1.736 χ^2/NDF: 192.4/21

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

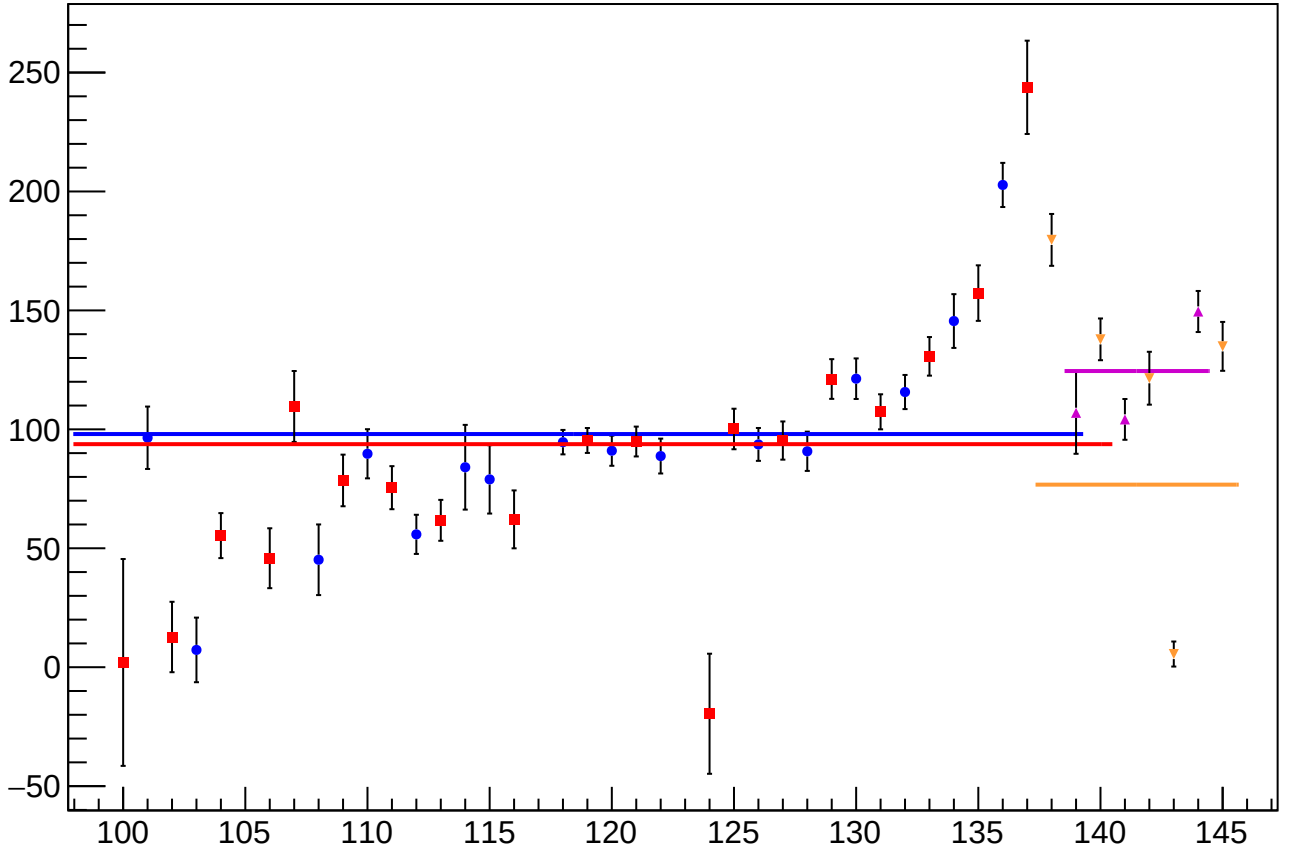
Left In: 528.744+/-5.931 χ^2/NDF:11.6/2

+ sign 350.312+/-1.868 χ^2/NDF: 7566.7/20

All: 366.597+/-1.345 χ^2/NDF: 11942.9/42

- sign 384.101+/-1.937 χ^2/NDF: 4218.5/21

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

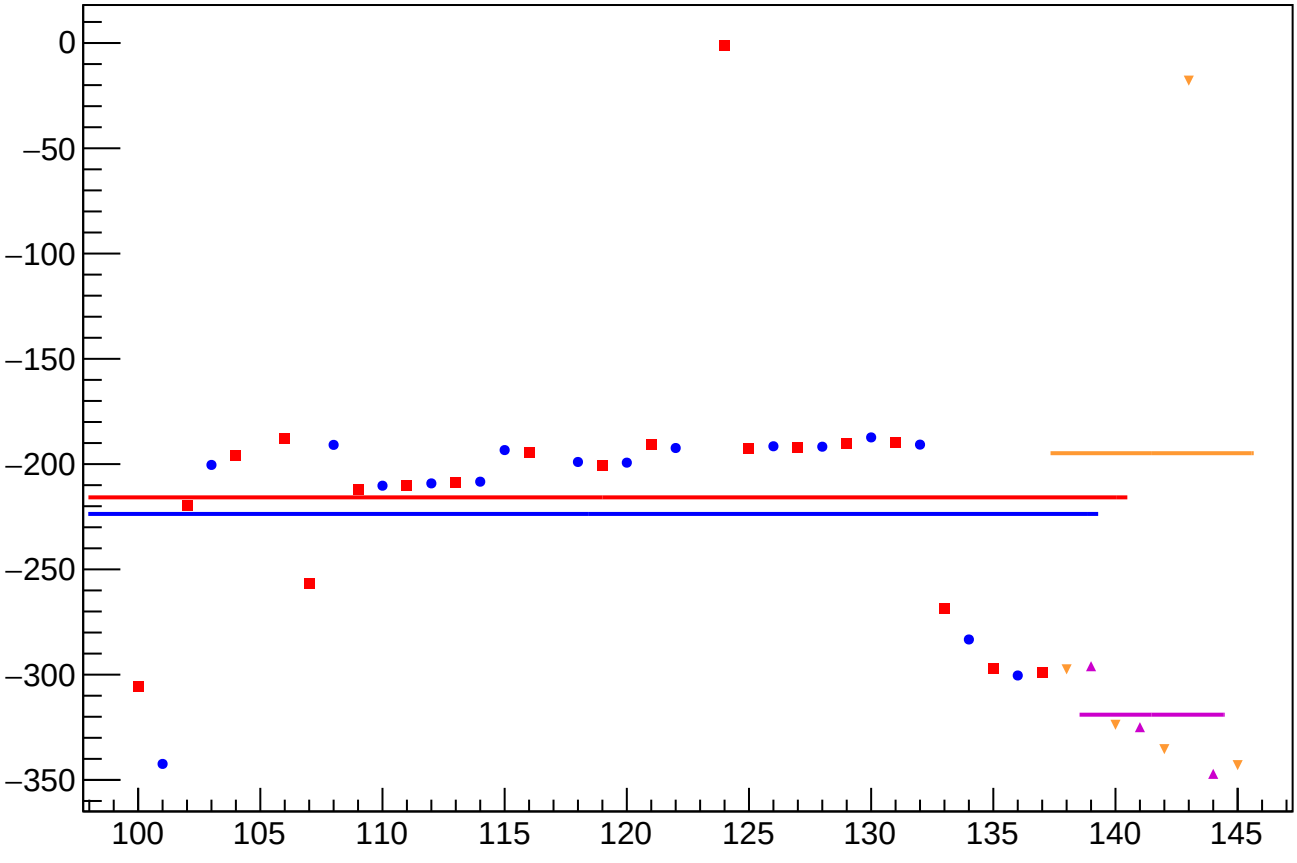
Left In: 124.514+/-5.737 χ^2/NDF:15.1/2

+ sign 92.564+/-1.849 χ^2/NDF: 643.5/20

All: 94.844+/-1.359 χ^2/NDF: 924.2/42

- sign 97.522+/-2.004 χ^2/NDF: 277.4/21

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

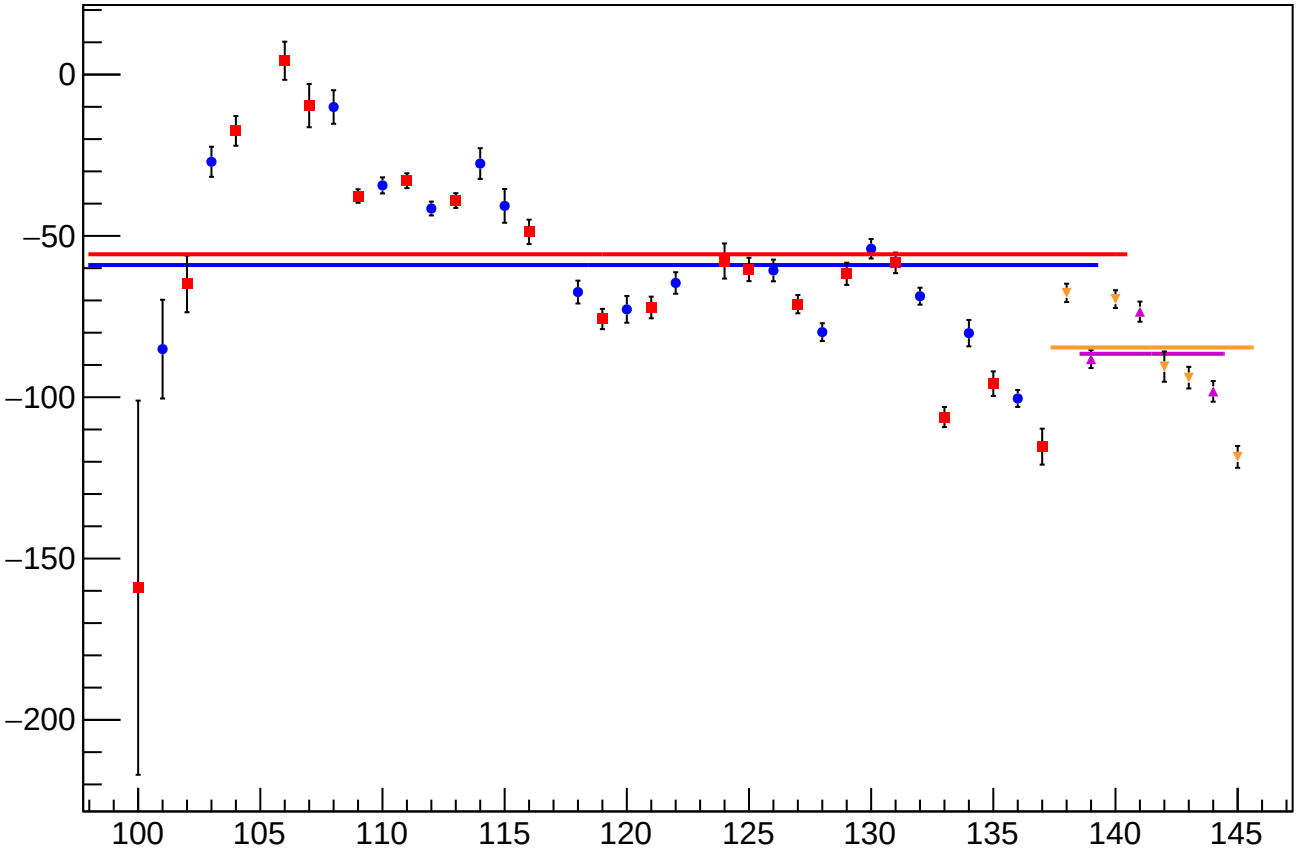
Left In: -319.018+/-0.237 χ^2/NDF:7769.4/2

+ sign -212.115+/-0.107 χ^2/NDF: 934821.1/20

All: -225.227+/-0.079 χ^2/NDF: 1200330.5/42

- sign -240.847+/-0.117 χ^2/NDF: 232650.8/21

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

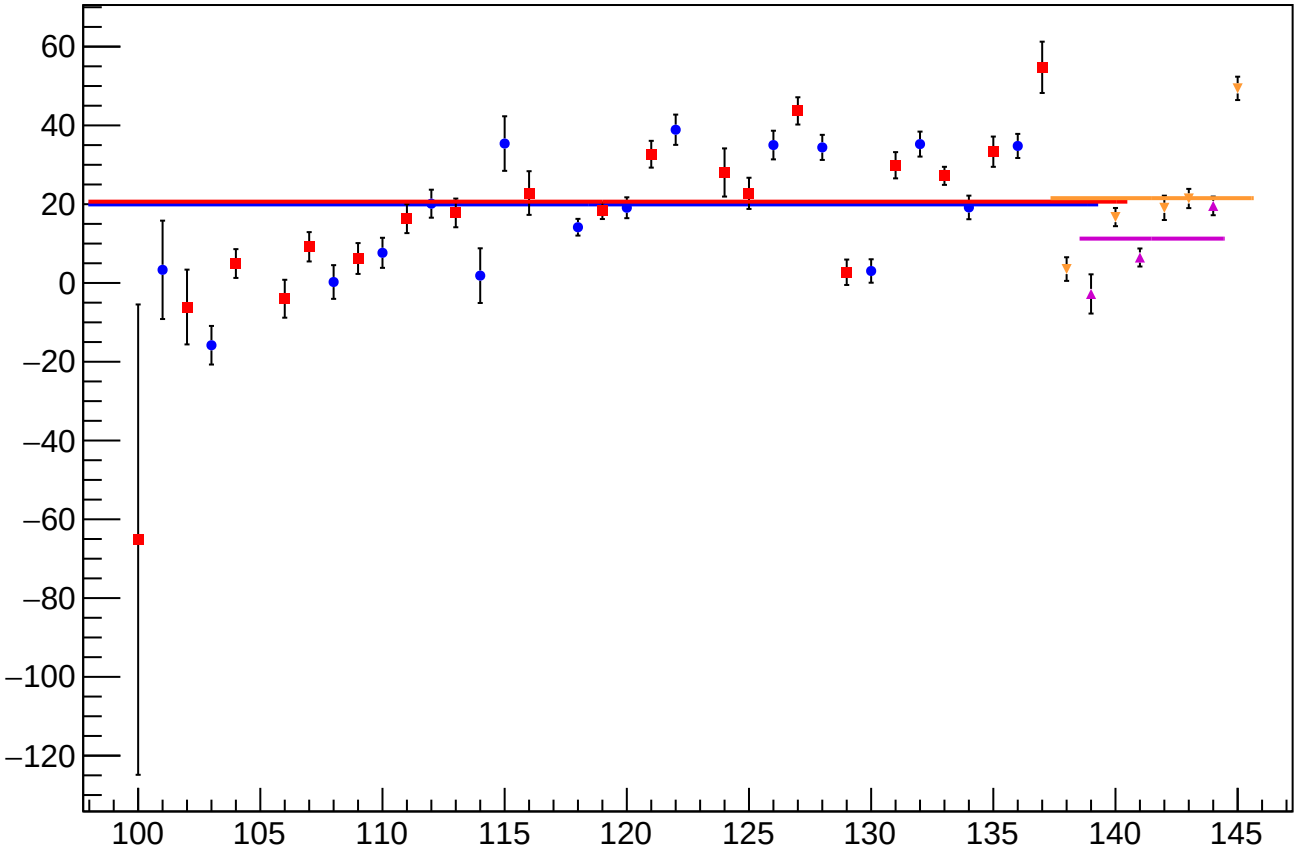
Left In: -86.539+/-1.736 χ^2/NDF:31.2/2

+ sign -65.336+/-0.720 χ^2/NDF: 1136.0/20

All: -63.160+/-0.509 χ^2/NDF: 2487.9/42

- sign -60.989+/-0.719 χ^2/NDF: 1333.6/21

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

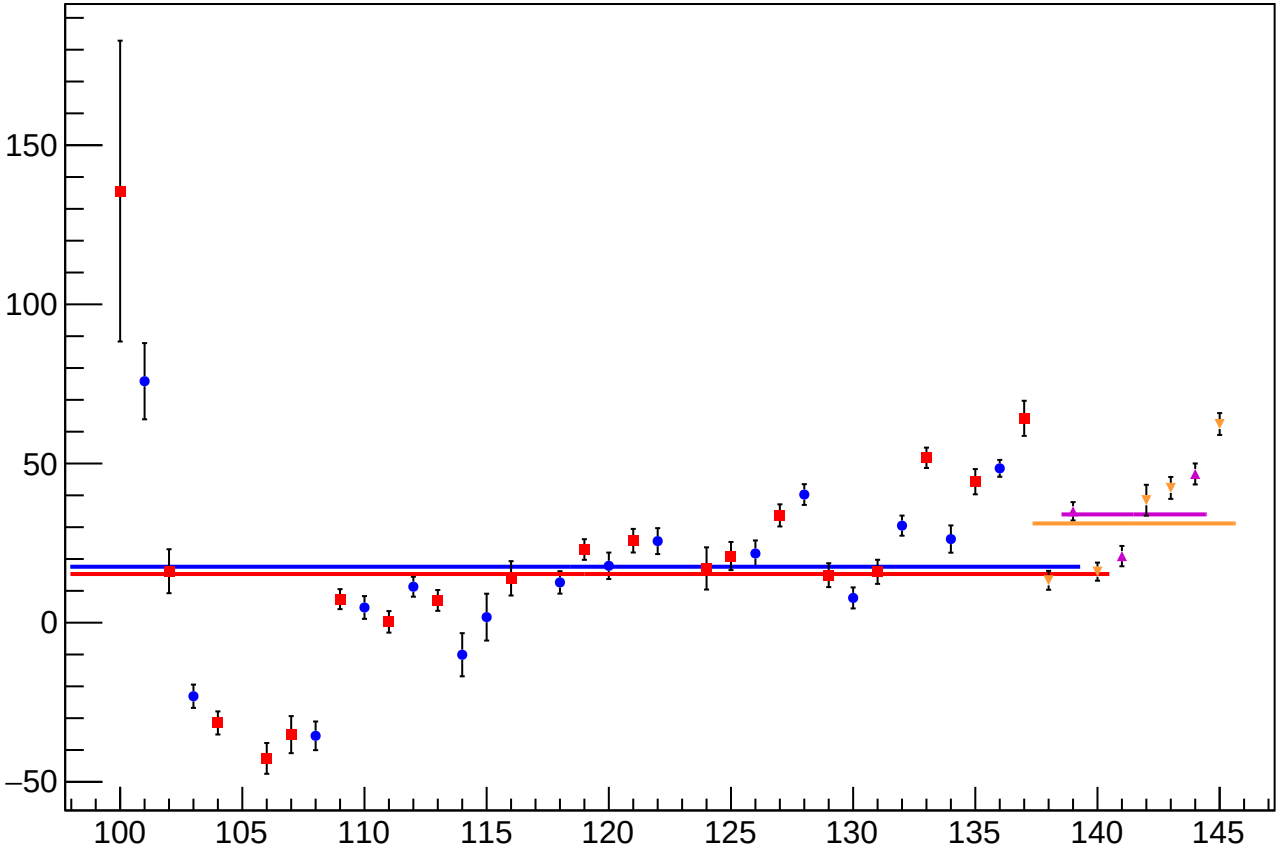
Left In: 11.258+/-1.562 χ^2/NDF:24.7/2

+ sign 20.484+/-0.705 χ^2/NDF: 377.6/20

All: 19.555+/-0.511 χ^2/NDF: 658.7/42

- sign 18.524+/-0.742 χ^2/NDF: 277.3/21

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

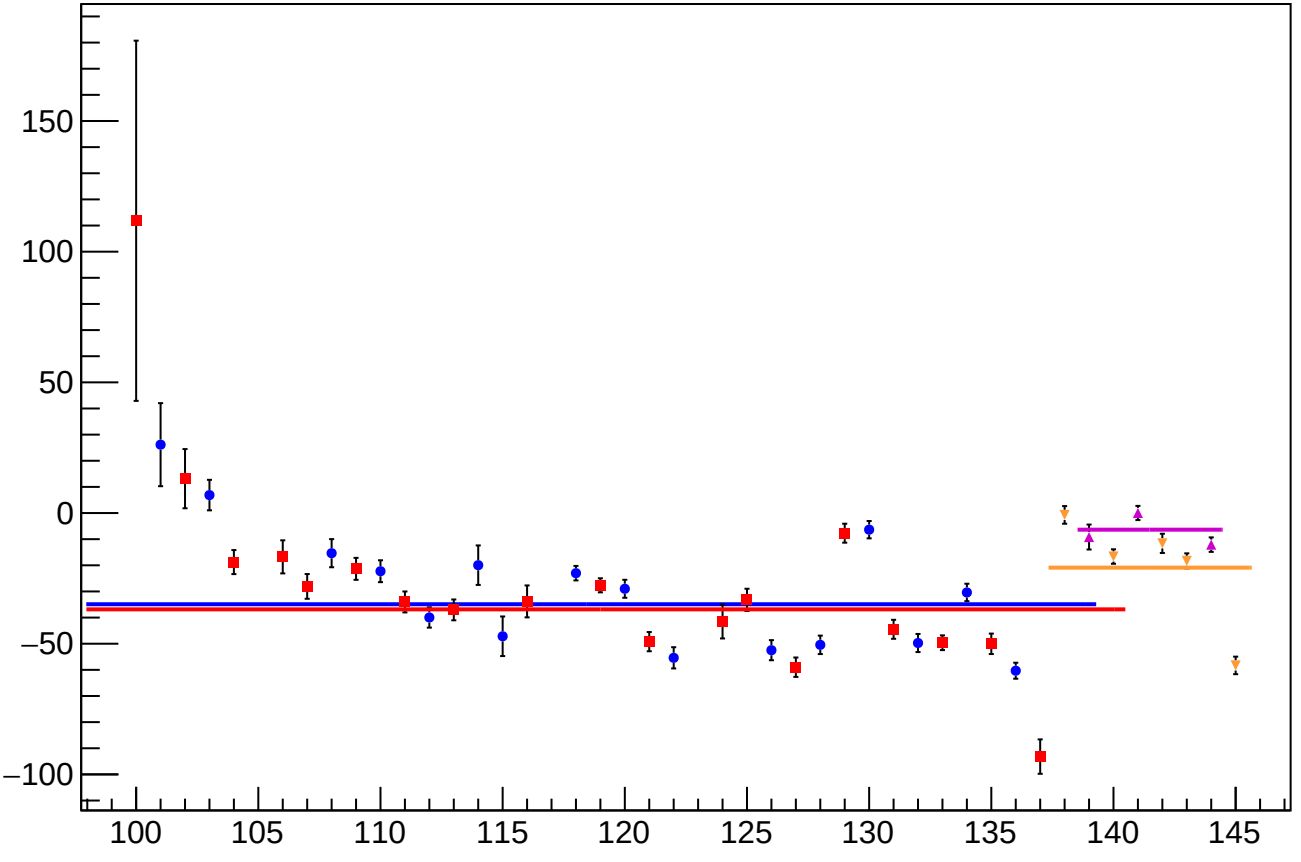
Left In: 34.015+/-1.794 χ^2/NDF:31.8/2

\+ sign 21.534+/-0.805 χ^2/NDF: 765.1/20

All: 20.437+/-0.577 χ^2/NDF: 1616.5/42

\- sign 19.276+/-0.828 χ^2/NDF: 847.6/21

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

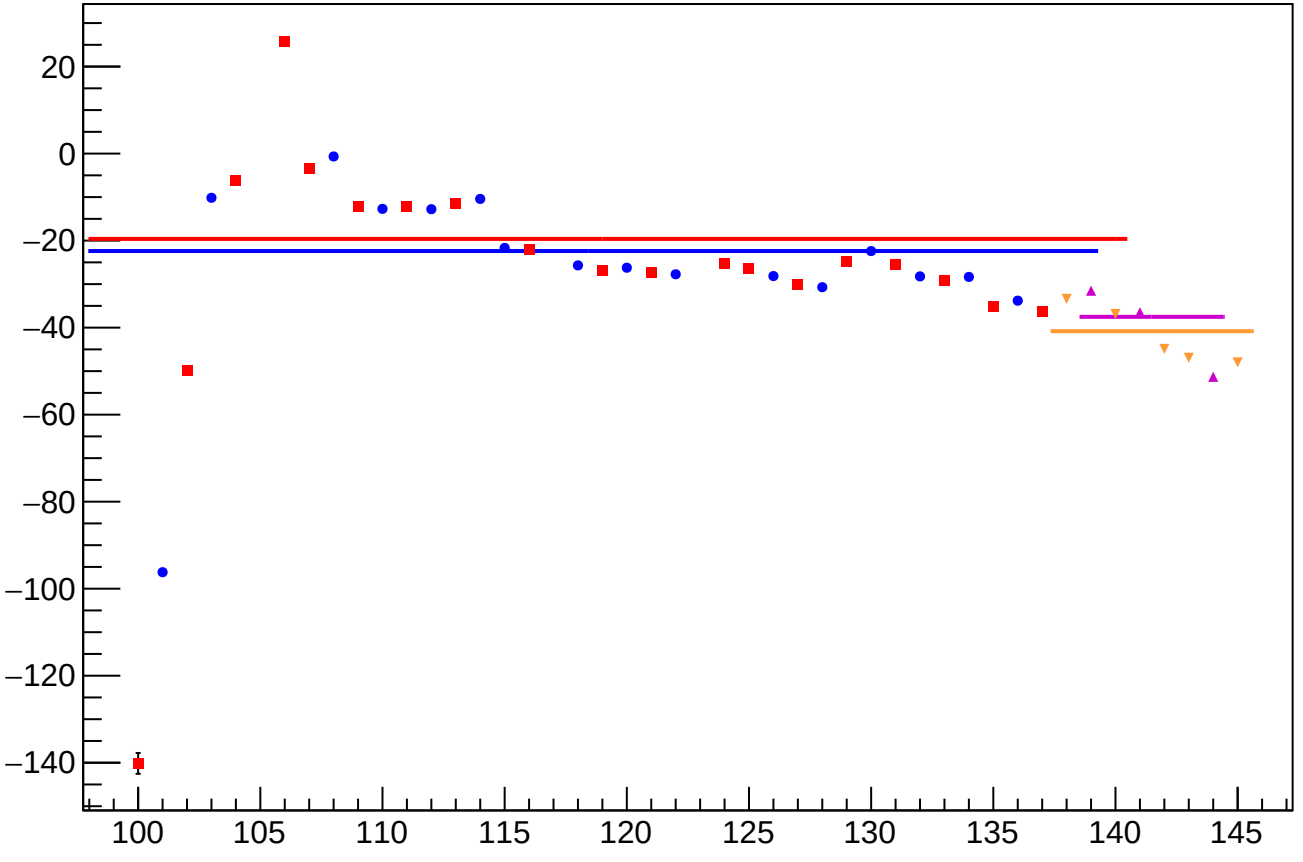
Left In: -6.367+/-1.797 χ^2/NDF:10.1/2

+ sign -30.279+/-0.811 χ^2/NDF: 582.3/20

All: -30.136+/-0.588 χ^2/NDF: 1116.9/42

- sign -29.978+/-0.853 χ^2/NDF: 534.6/21

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

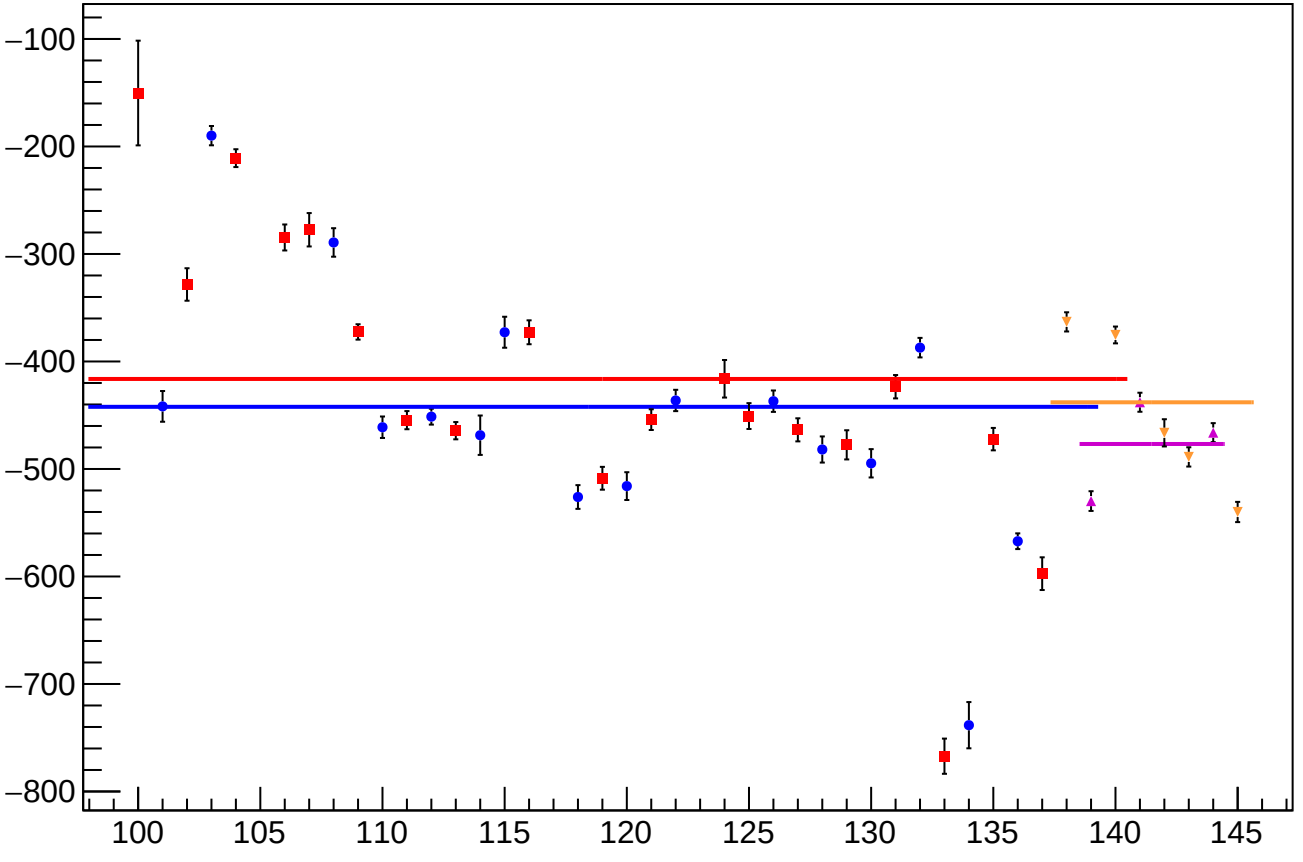
Left In: -37.520+/-0.071 χ^2/NDF:12193.8/2

+ sign -31.128+/-0.042 χ^2/NDF: 103952.7/20

All: -29.224+/-0.031 χ^2/NDF: 241959.7/42

- sign -27.017+/-0.046 χ^2/NDF: 133628.8/21

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

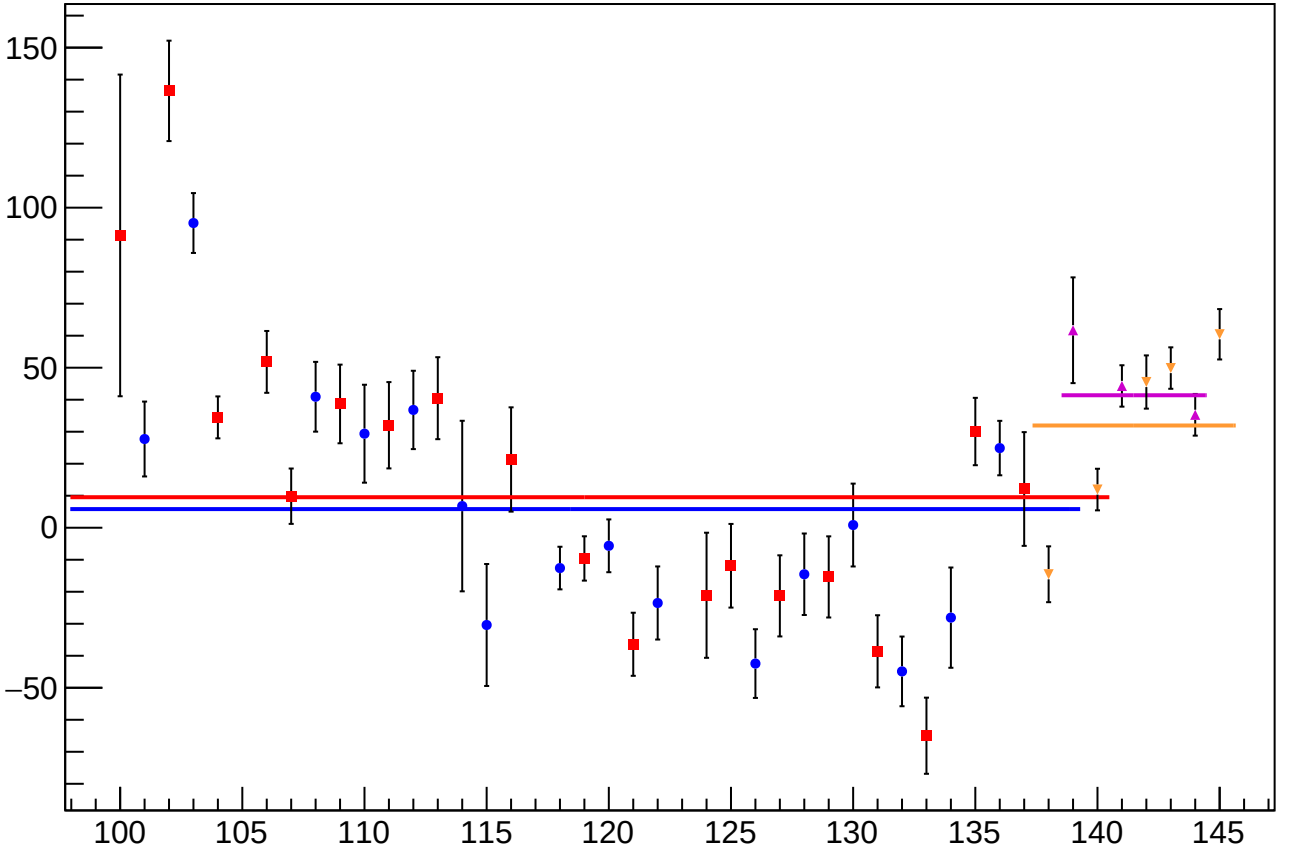
Left In: -476.751+/-5.166 χ^2/NDF:54.2/2

+ sign -440.930+/-2.248 χ^2/NDF: 1878.8/20

All: -434.472+/-1.596 χ^2/NDF: 3814.2/42

- sign -427.905+/-2.267 χ^2/NDF: 1918.7/21

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

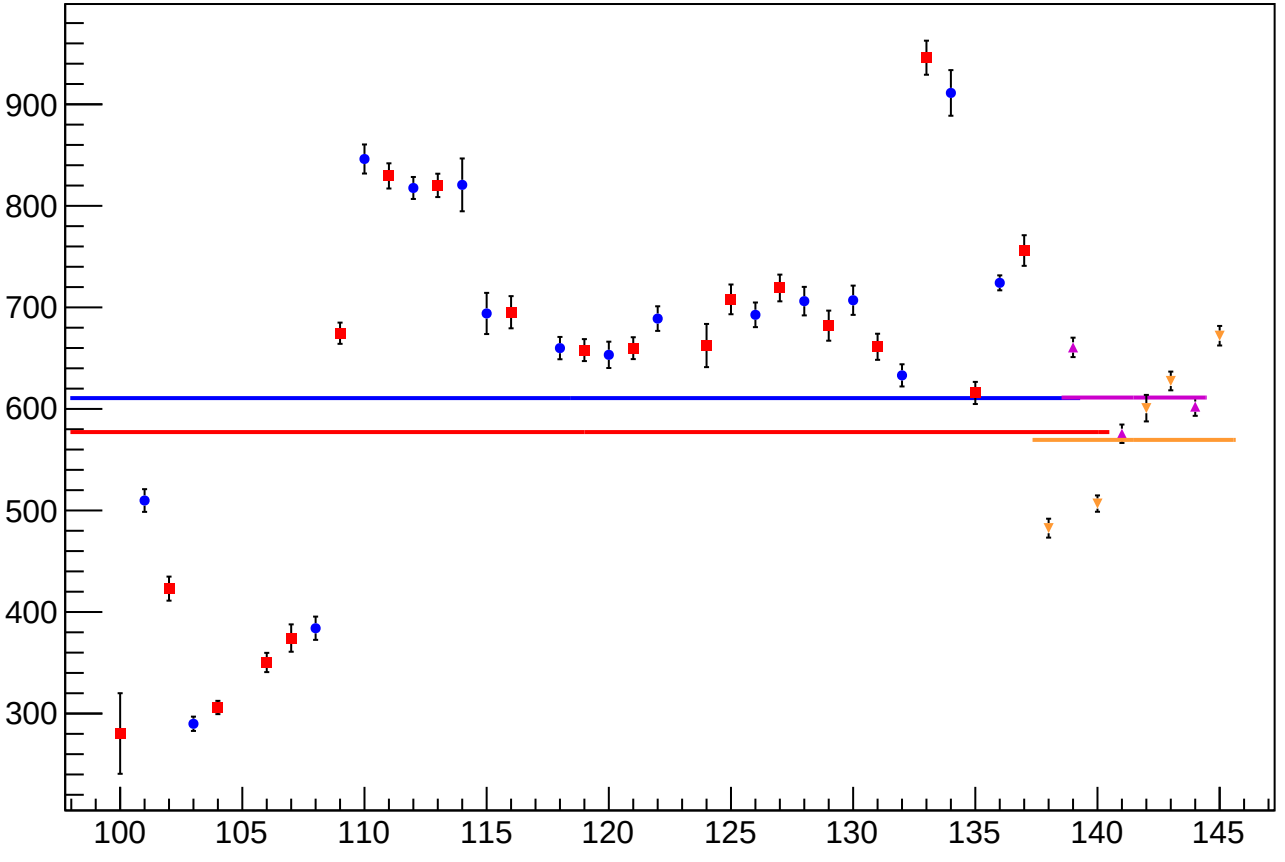
Left In: 41.391+/-4.421 χ^2/NDF:2.6/2

+ sign 16.386+/-2.105 χ^2/NDF: 286.5/20

All: 16.924+/-1.525 χ^2/NDF: 550.3/42

- sign 17.518+/-2.213 χ^2/NDF: 263.7/21

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

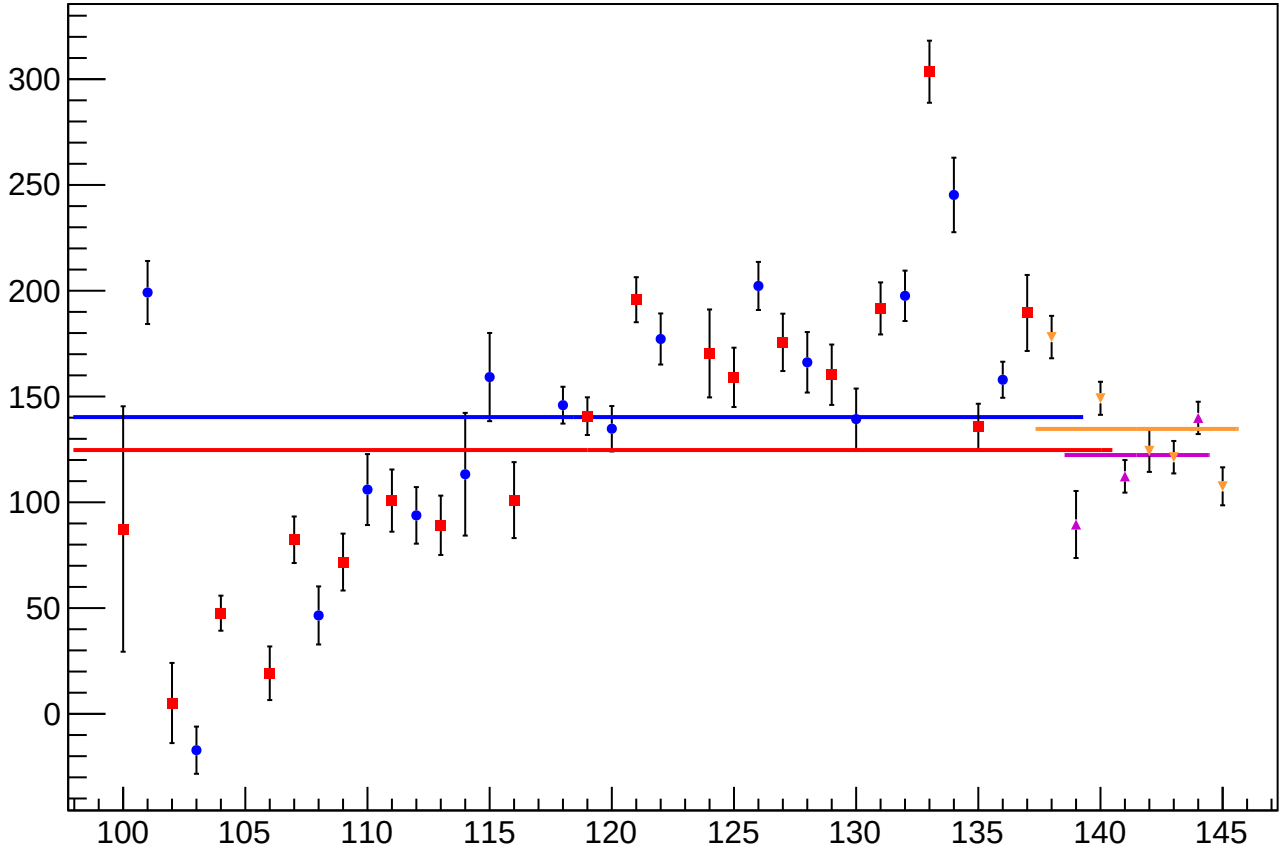
Left In: 611.212+/-5.333 χ^2/NDF:43.1/2

\+ sign 597.636+/-2.391 χ^2/NDF: 4263.3/20

All: 591.158+/-1.710 χ^2/NDF: 9153.8/42

\- sign 584.368+/-2.448 χ^2/NDF: 4875.5/21

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

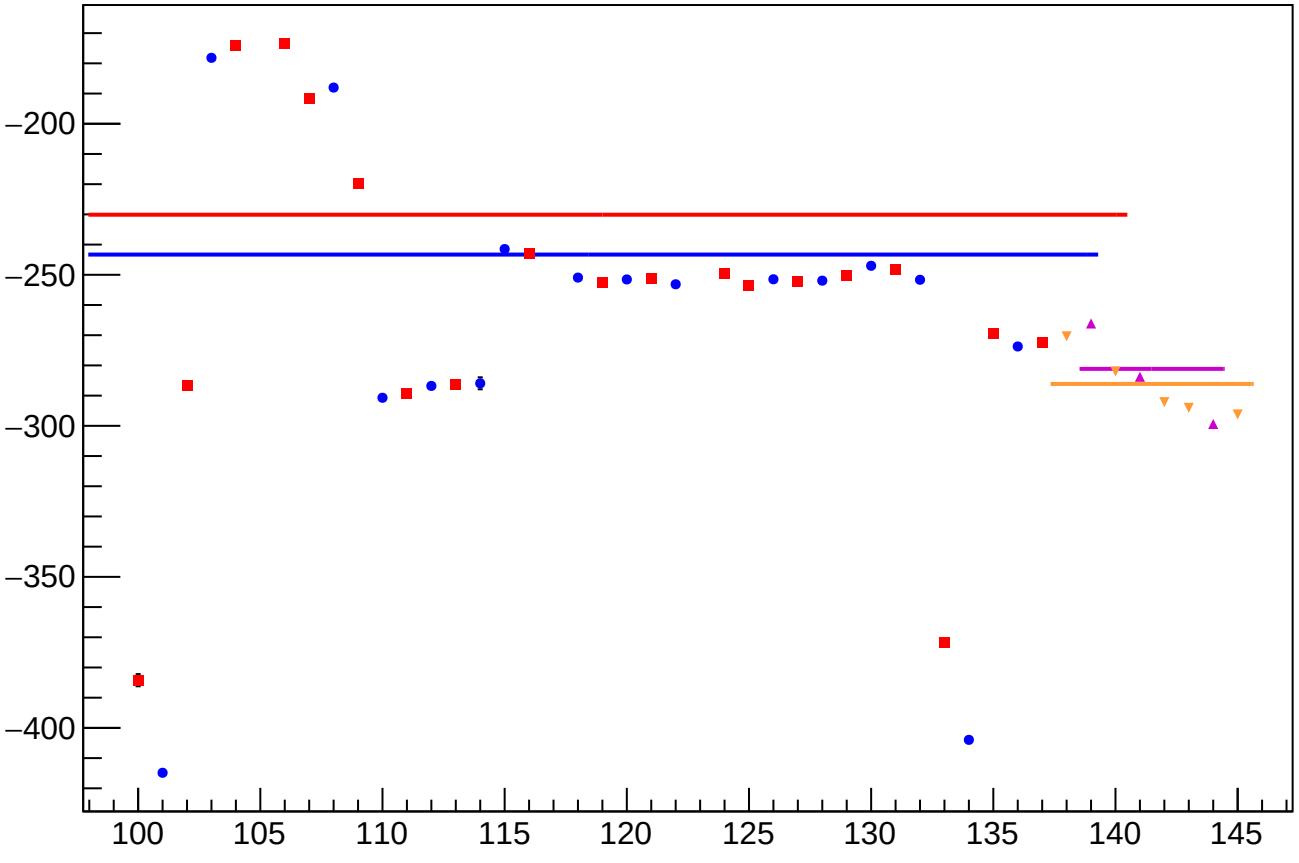
Left In: 122.341+/-5.130 χ^2/NDF:11.3/2

+ sign 138.070+/-2.451 χ^2/NDF: 422.0/20

All: 131.434+/-1.775 χ^2/NDF: 957.5/42

- sign 124.103+/-2.576 χ^2/NDF: 520.0/21

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

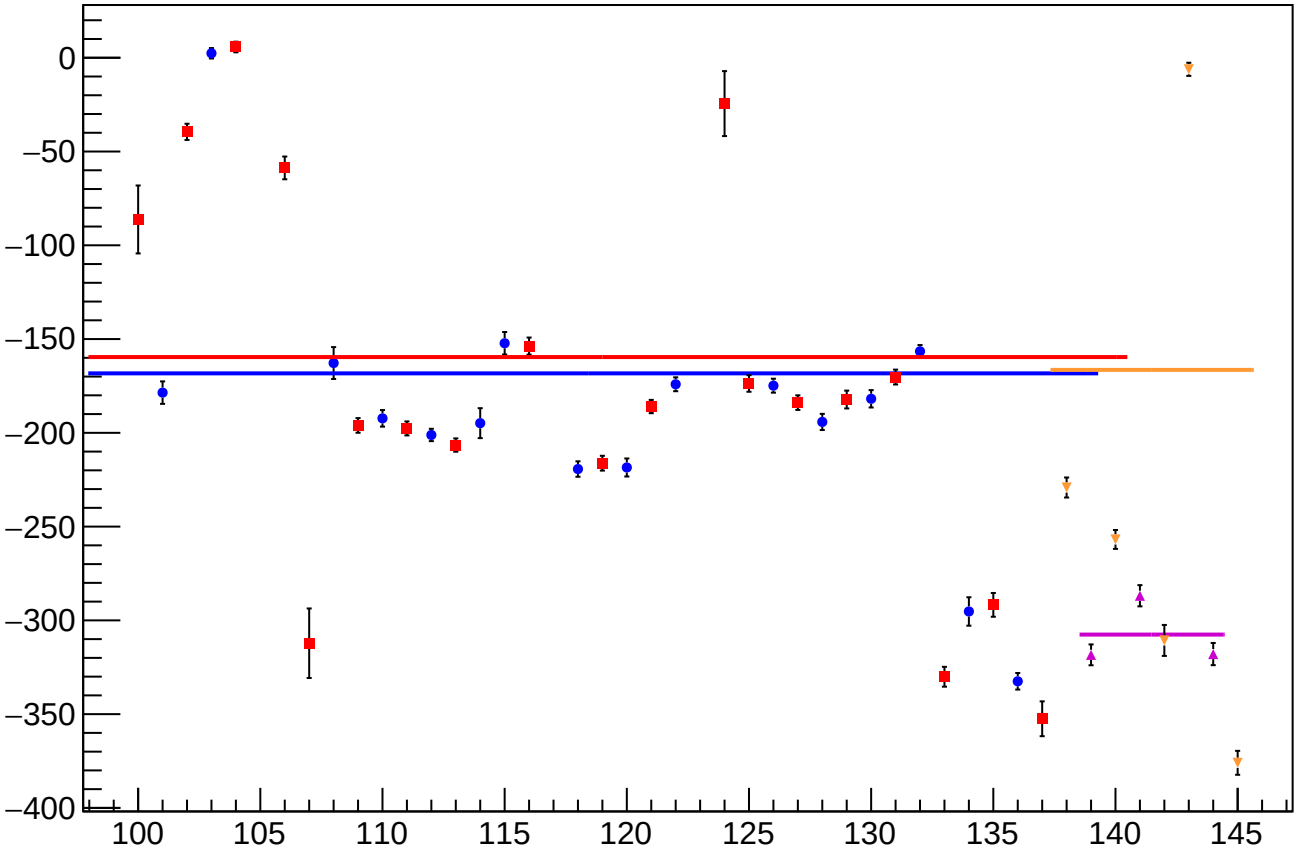
Left In: -281.142+/-0.214 χ^2/NDF:3999.6/2

+ sign -262.907+/-0.120 χ^2/NDF: 208411.2/20

All: -255.889+/-0.087 χ^2/NDF: 359052.6/42

- sign -248.012+/-0.127 χ^2/NDF: 143343.8/21

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

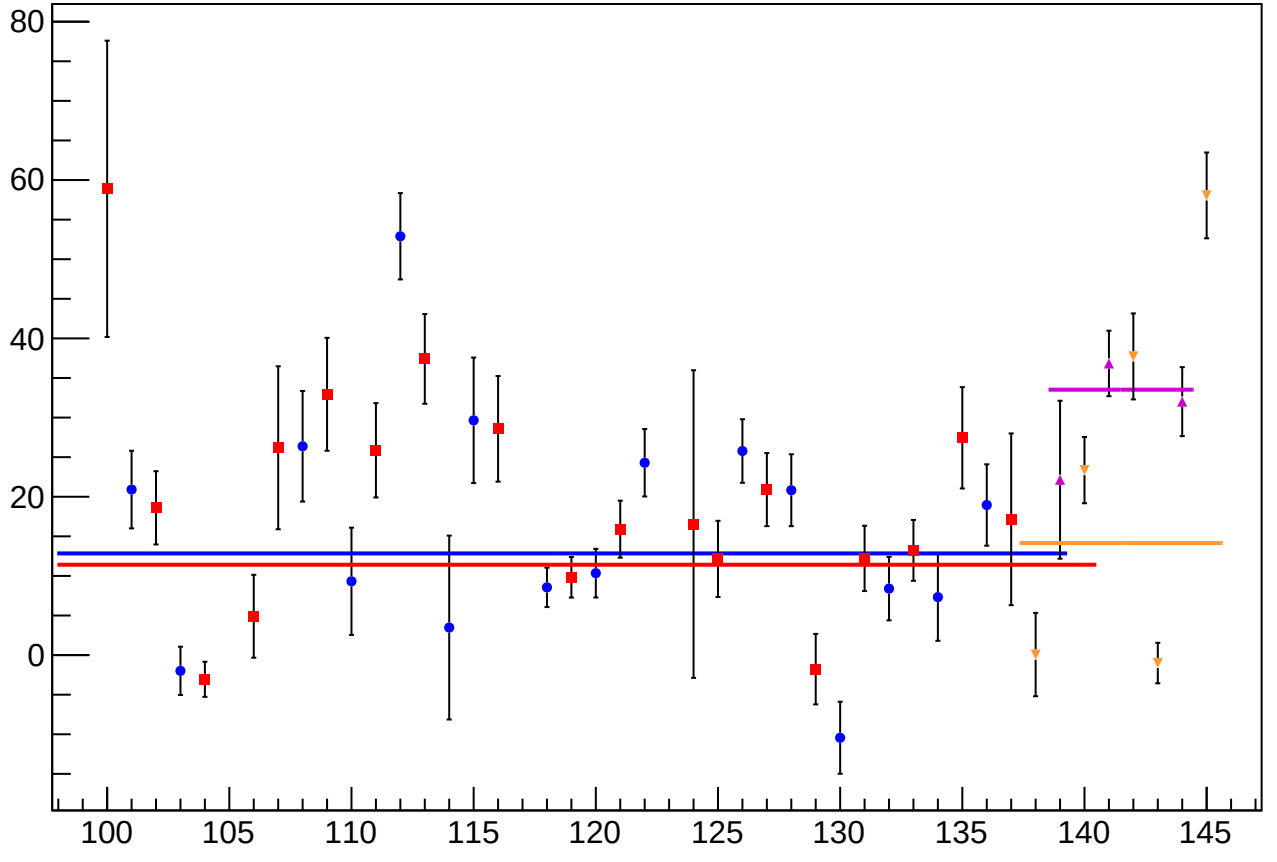
Left In: -307.578+/-3.294 χ^2/NDF:20.3/2

+ sign -167.949+/-0.972 χ^2/NDF: 9835.4/20

All: -170.453+/-0.695 χ^2/NDF: 18901.7/42

- sign -173.072+/-0.994 χ^2/NDF: 9052.8/21

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

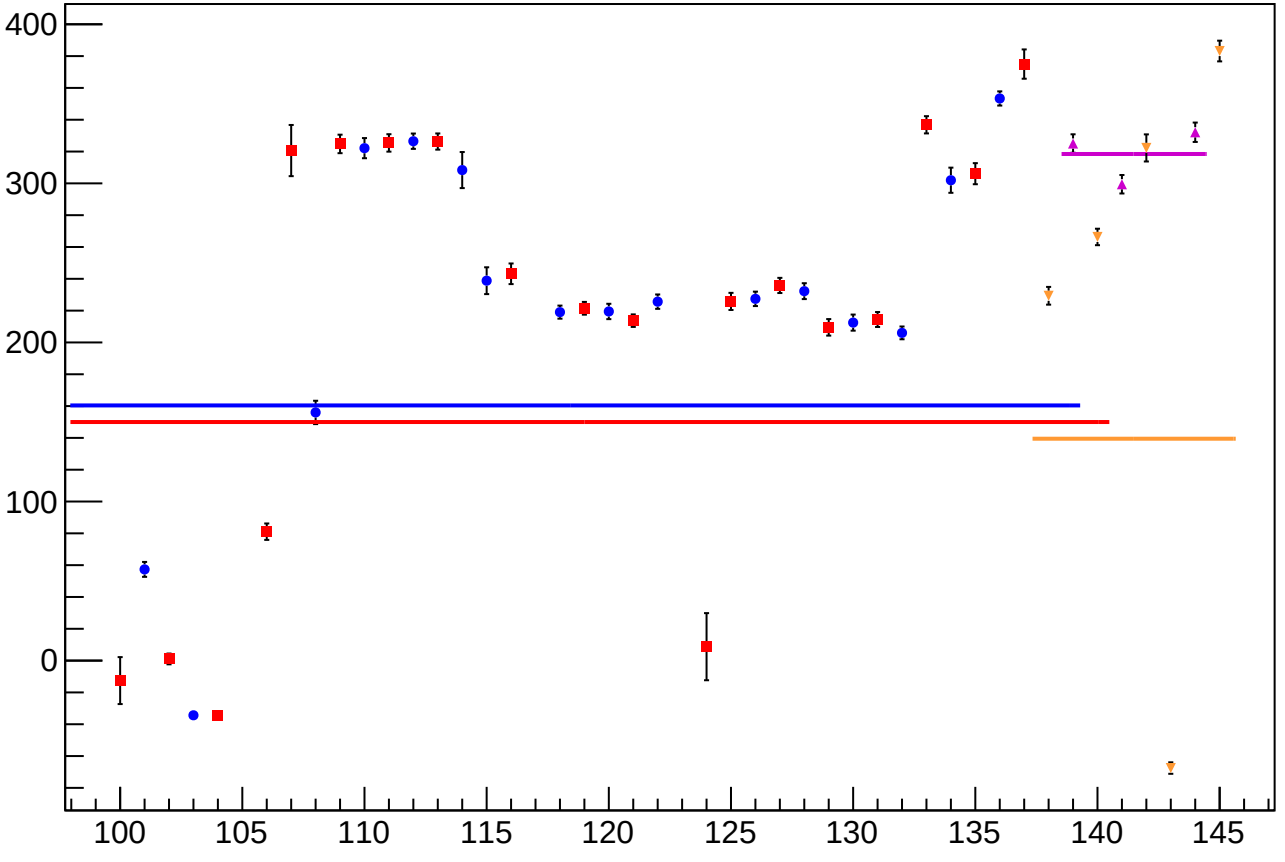
Left In: 33.522+/-2.872 χ^2/NDF:2.1/2

+ sign 13.190+/-0.922 χ^2/NDF: 275.7/20

All: 13.552+/-0.670 χ^2/NDF: 450.1/42

- sign 13.957+/-0.974 χ^2/NDF: 174.1/21

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

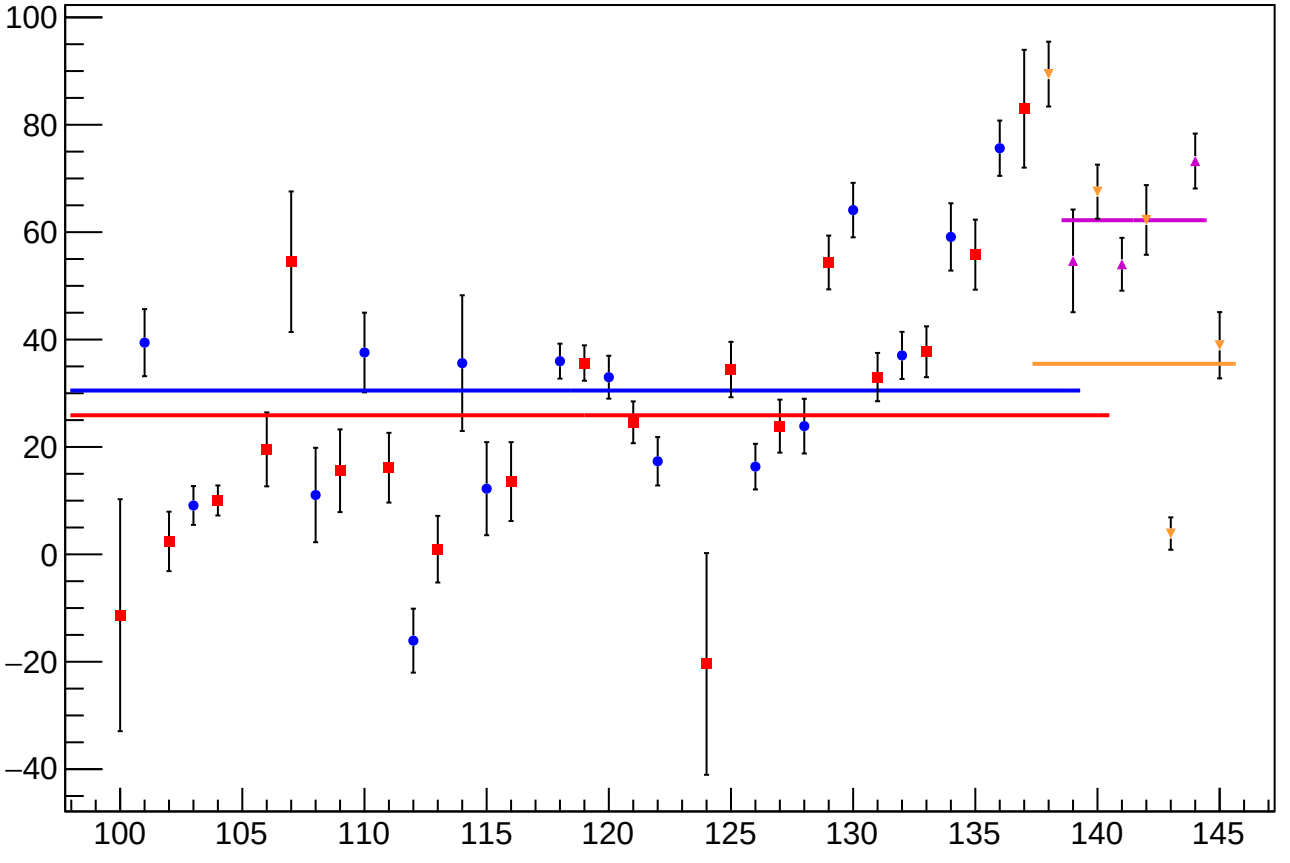
Left In: 318.461+/-3.402 χ^2/NDF:17.1/2

+ sign 156.382+/-1.024 χ^2/NDF: 20025.1/20

All: 161.105+/-0.734 χ^2/NDF: 38569.1/42

- sign 166.099+/-1.052 χ^2/NDF: 18500.2/21

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

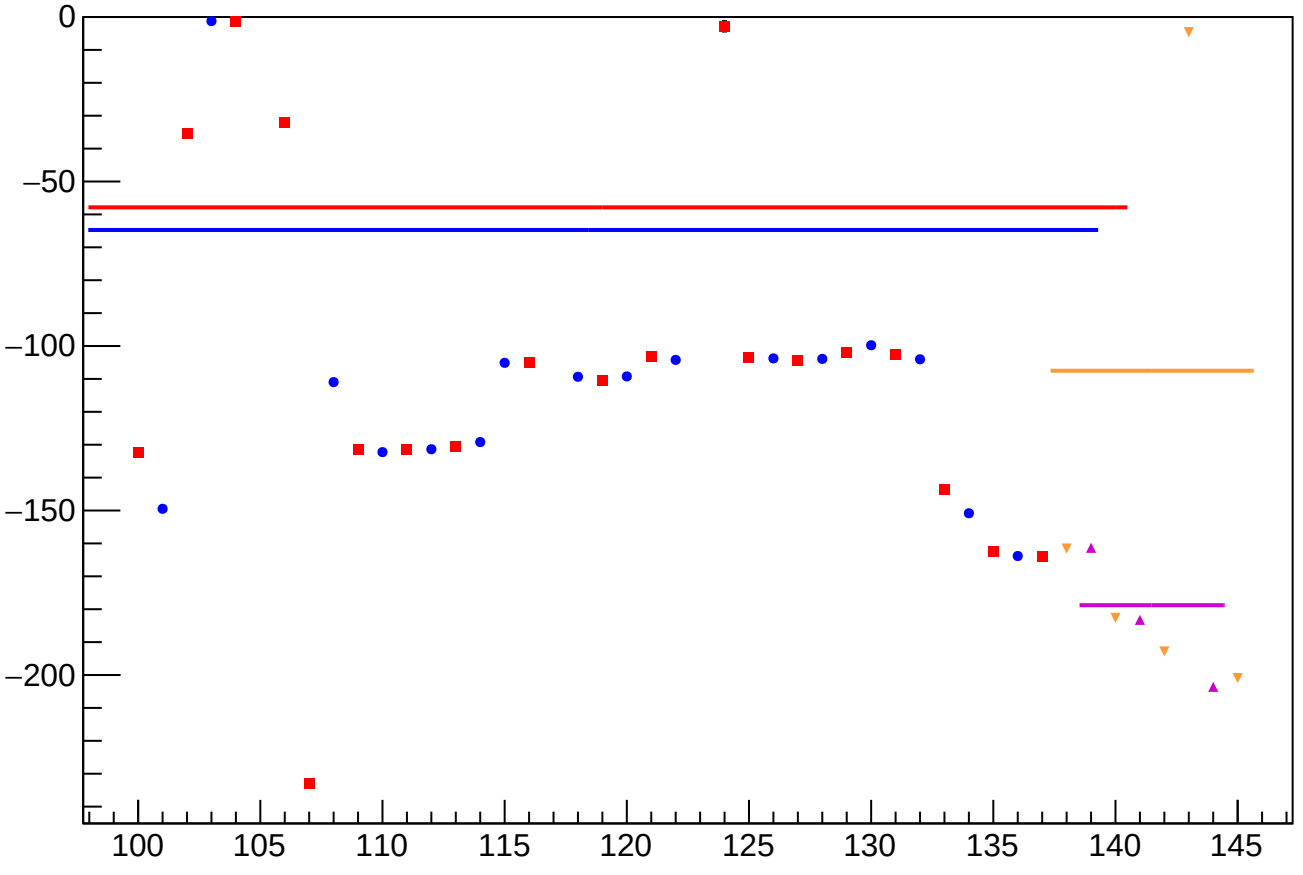
Left In: 62.223+/-3.325 χ^2/NDF:8.0/2

+ sign 31.820+/-1.077 χ^2/NDF: 528.7/20

All: 31.041+/-0.783 χ^2/NDF: 830.9/42

- sign 30.169+/-1.140 χ^2/NDF: 301.1/21

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

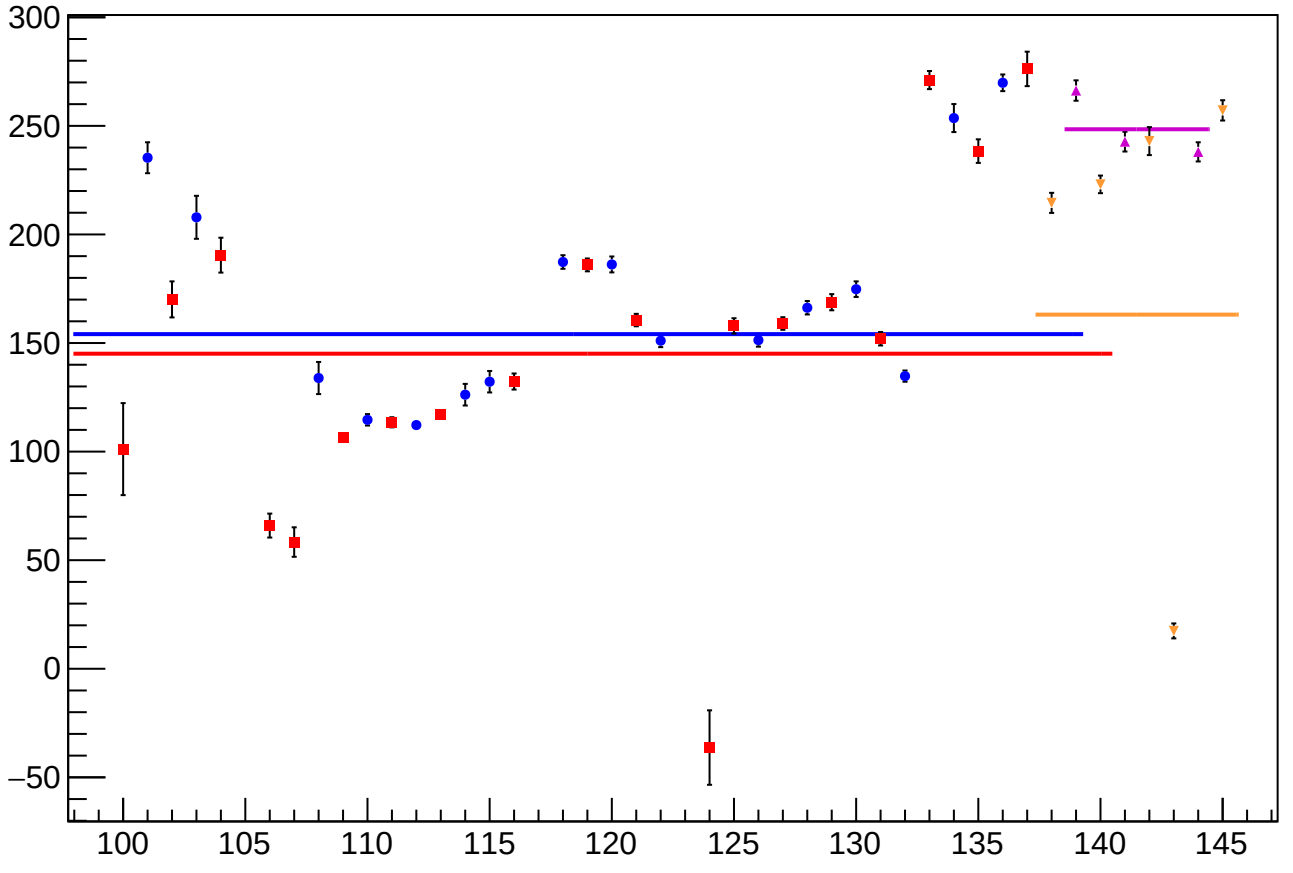
Left In: -178.781+/-0.135 χ^2/NDF:15772.9/2

+ sign -77.654+/-0.053 χ^2/NDF: 2006724.5/20

All: -78.243+/-0.039 χ^2/NDF: 3557550.0/42

- sign -78.904+/-0.056 χ^2/NDF: 1550566.4/21

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

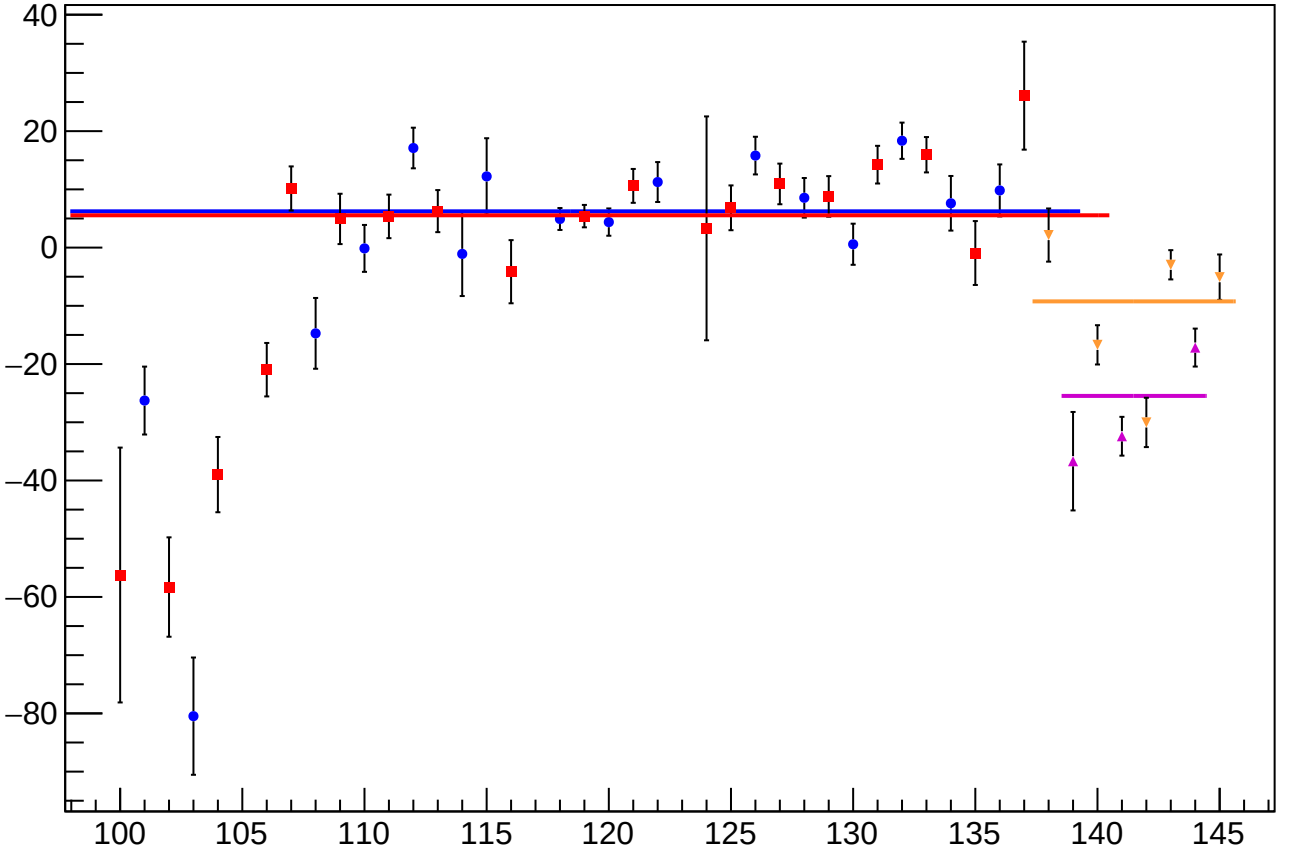
Left In: 248.436+/-2.628 χ^2/NDF:21.5/2

+ sign 155.578+/-0.794 χ^2/NDF: 4986.9/20

All: 154.972+/-0.559 χ^2/NDF: 9375.6/42

- sign 154.376+/-0.788 χ^2/NDF: 4387.5/21

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

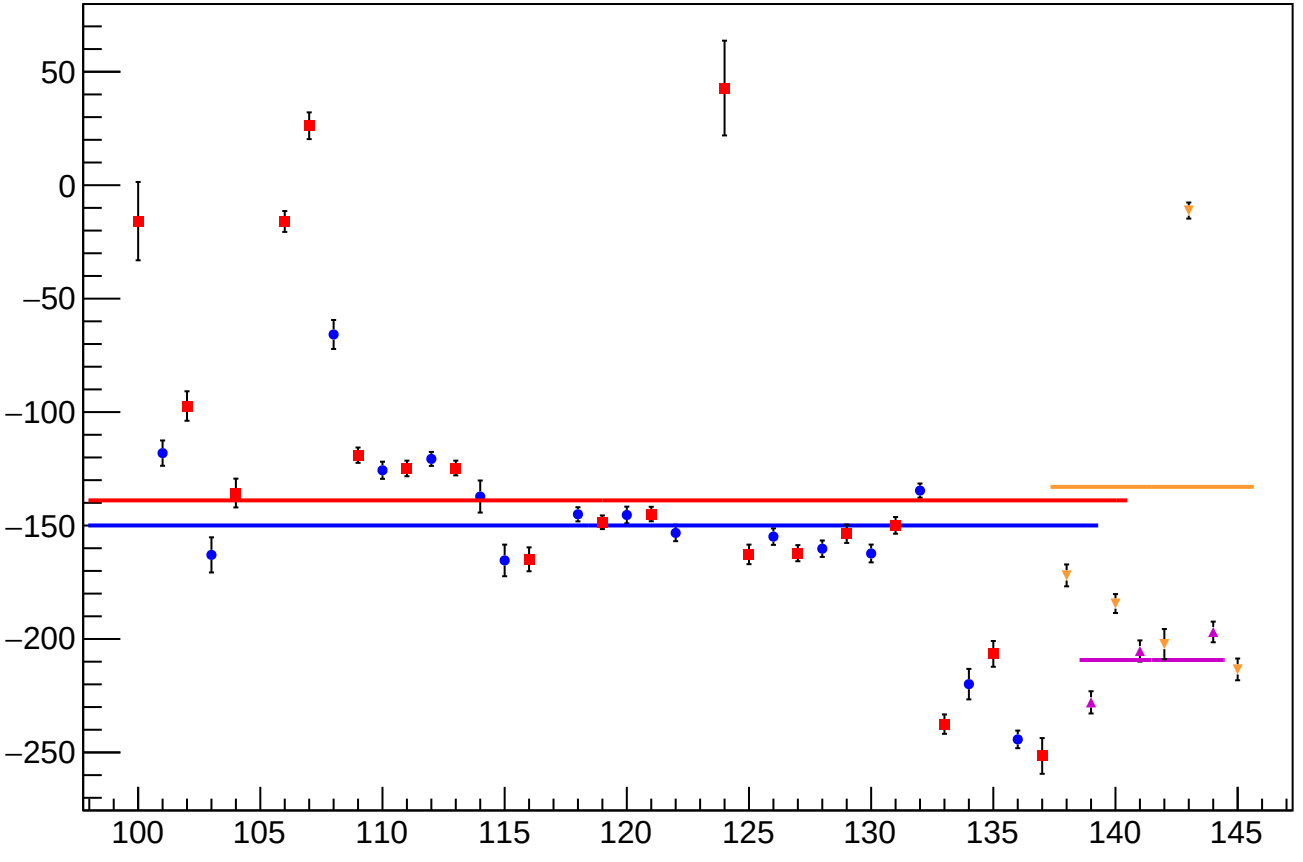
Left In: -25.472+/-2.246 χ^2/NDF:12.6/2

+ sign 2.398+/-0.772 χ^2/NDF: 279.5/20

All: 1.906+/-0.564 χ^2/NDF: 639.0/42

- sign 1.342+/-0.827 χ^2/NDF: 358.6/21

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

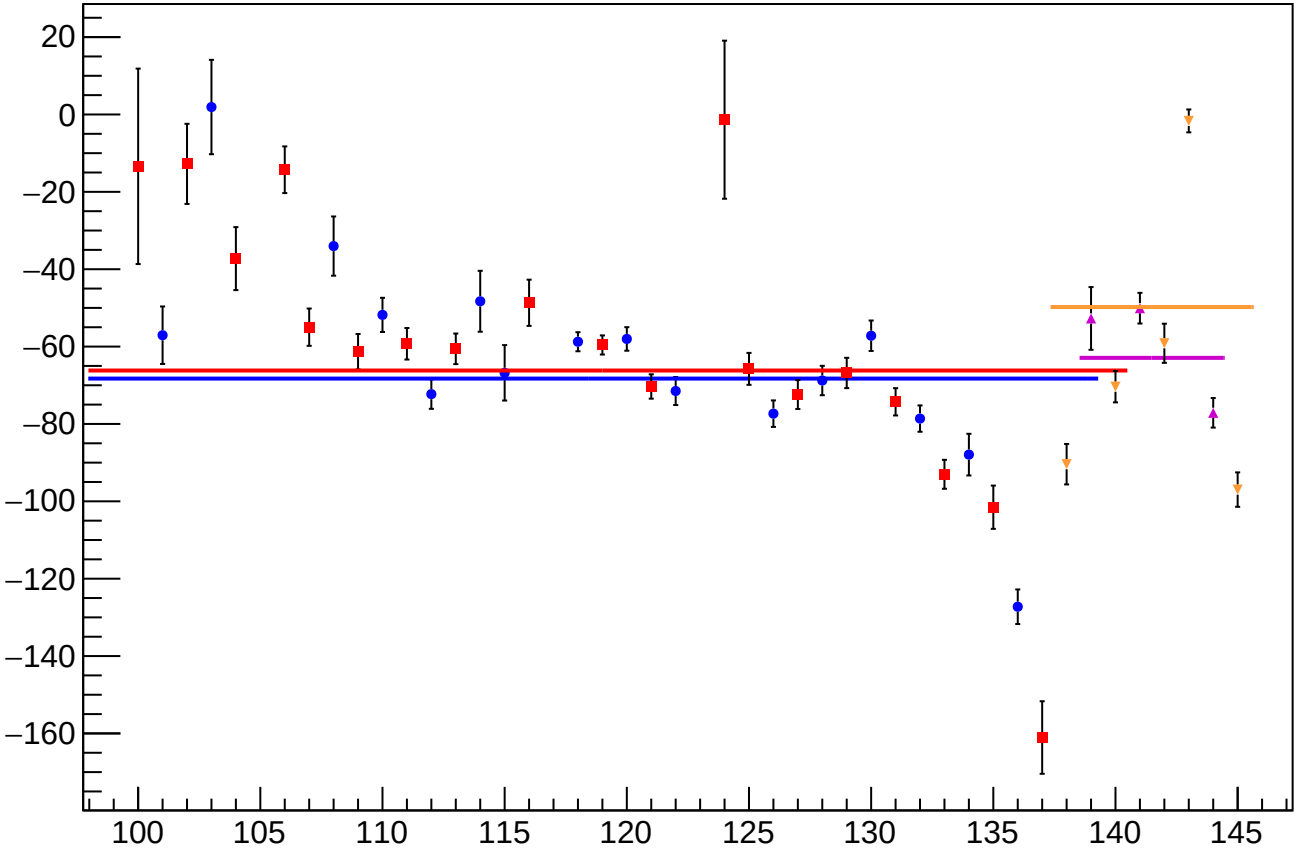
Left In: -209.263+/-2.713 χ^2/NDF:22.6/2

+ sign -146.472+/-0.914 χ^2/NDF: 2944.8/20

All: -146.843+/-0.653 χ^2/NDF: 6311.5/42

- sign -147.229+/-0.933 χ^2/NDF: 3366.4/21

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

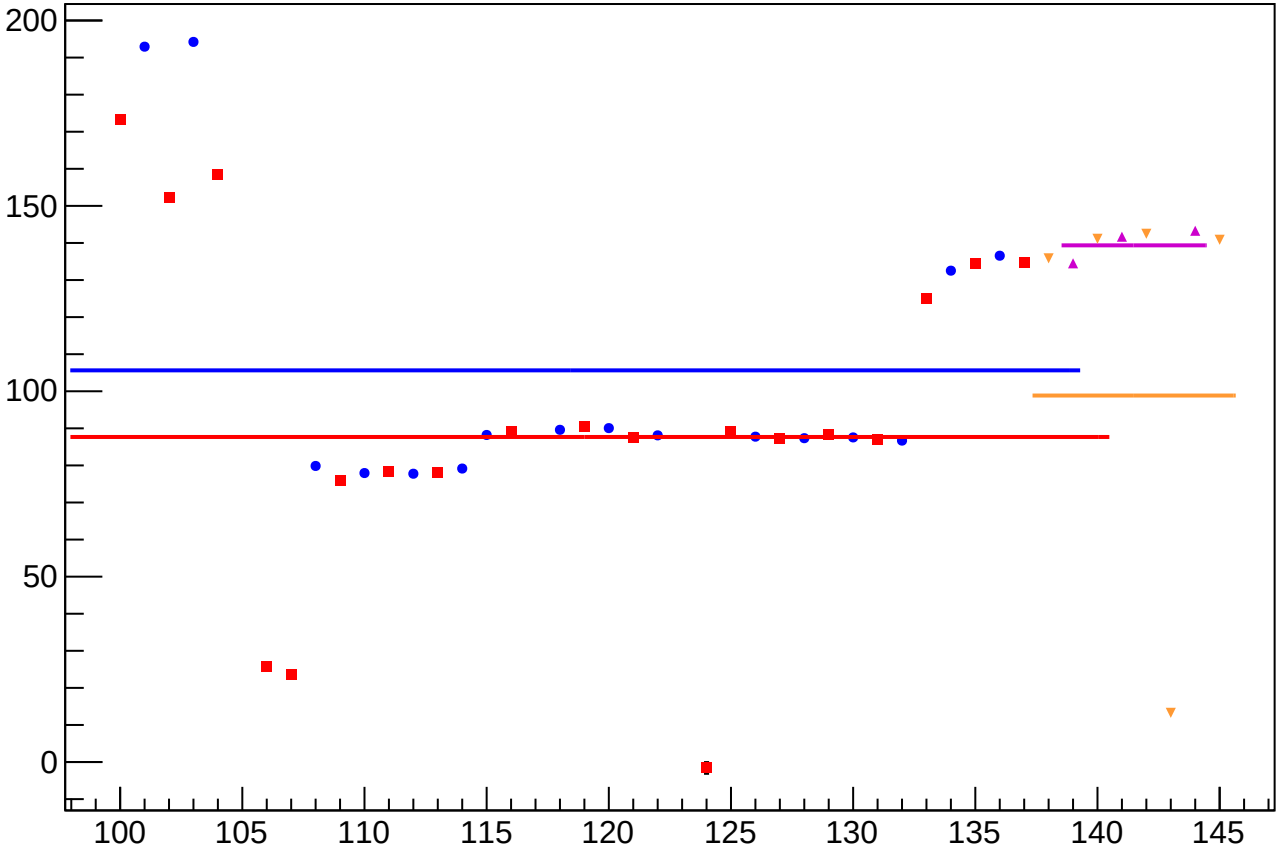
Left In: -62.915+/-2.605 χ^2/NDF:25.9/2

+ sign -63.776+/-0.899 χ^2/NDF: 859.2/20

All: -64.704+/-0.654 χ^2/NDF: 1247.1/42

- sign -65.748+/-0.953 χ^2/NDF: 385.6/21

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

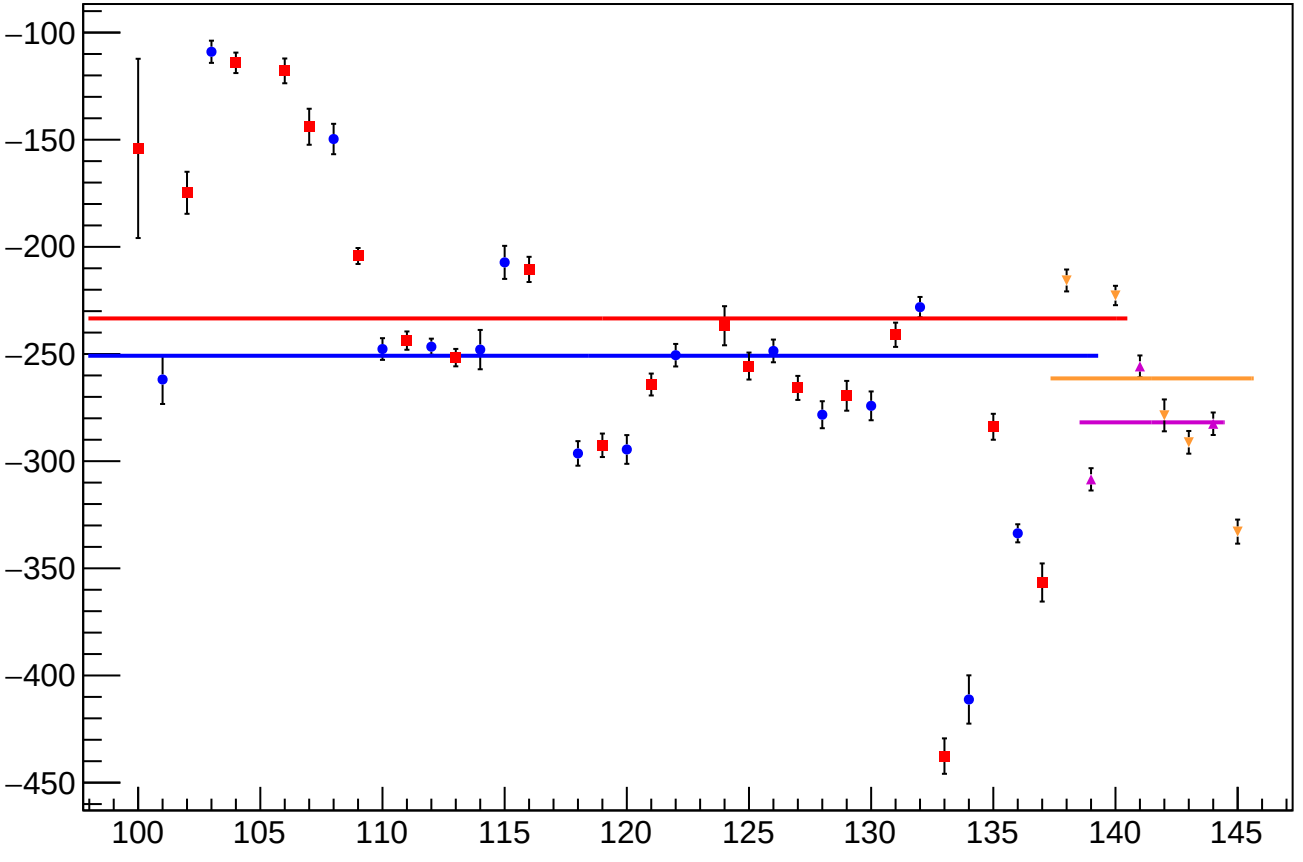
Left In: 139.357+/-0.109 χ^2/NDF:1293.1/2

\+ sign 102.805+/-0.054 χ^2/NDF: 744606.0/20

All: 102.144+/-0.039 χ^2/NDF: 1285736.8/42

\- sign 101.429+/-0.056 χ^2/NDF: 540819.5/21

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

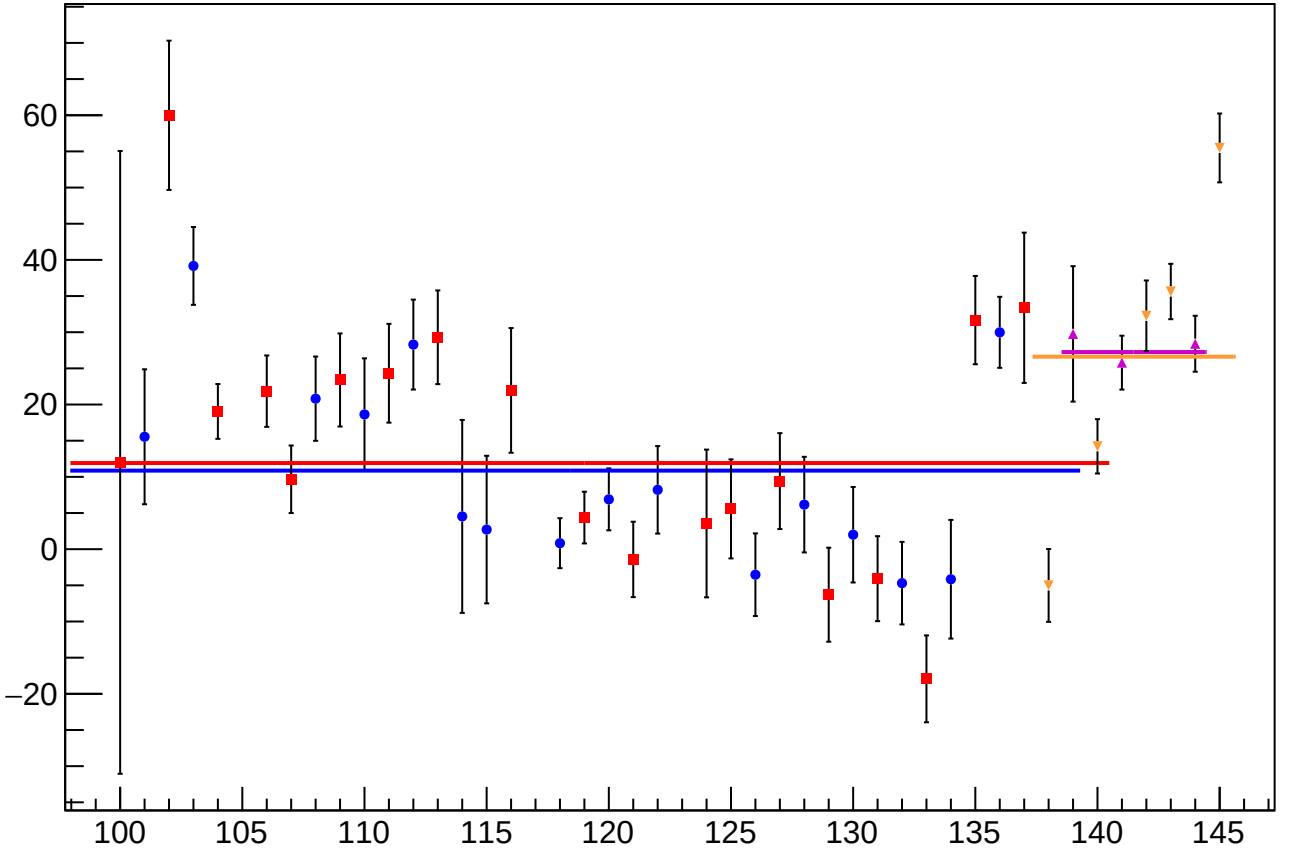
Left In: -281.886+/-2.992 χ^2/NDF:52.4/2

+ sign -253.593+/-1.234 χ^2/NDF: 2102.4/20

All: -247.429+/-0.867 χ^2/NDF: 4801.6/42

- sign -241.430+/-1.218 χ^2/NDF: 2650.0/21

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

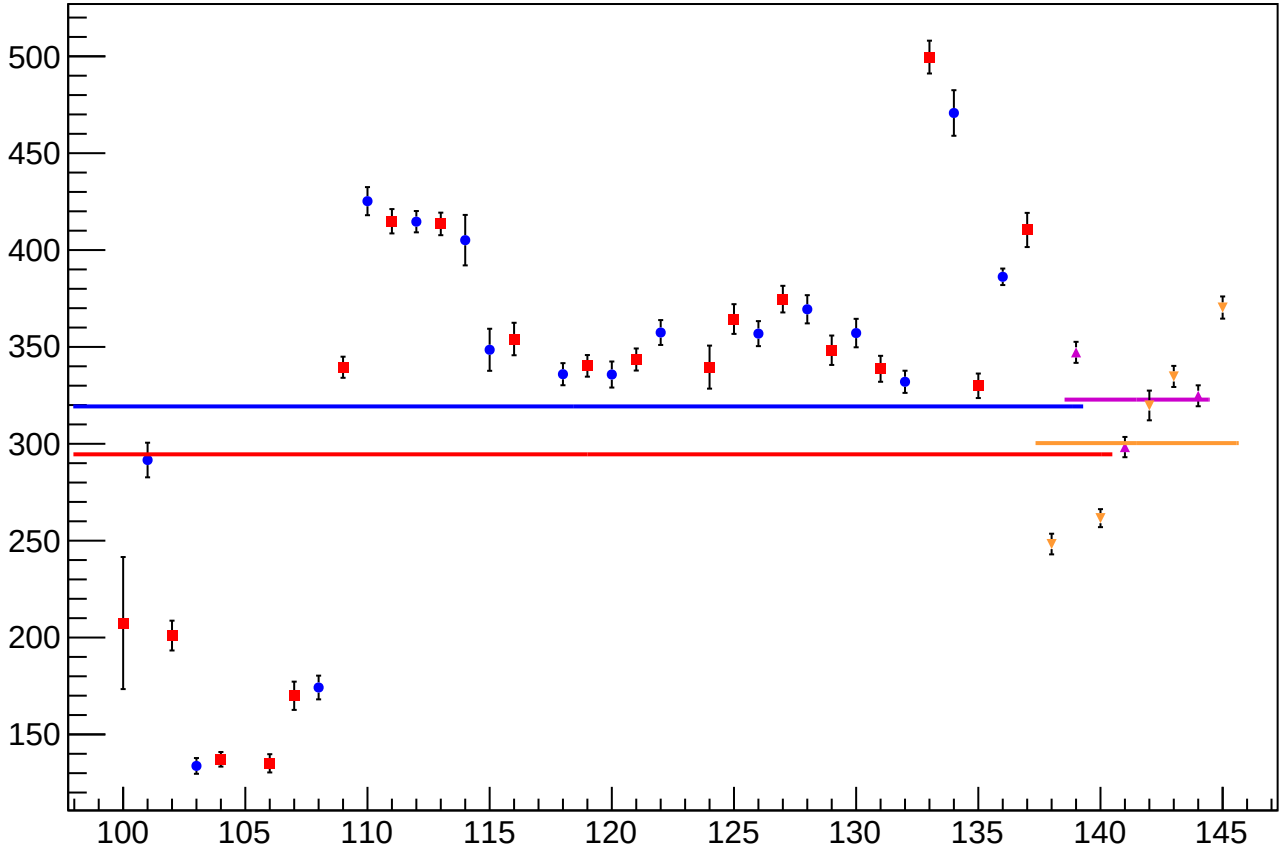
Left In: 27.256+/-2.579 χ^2/NDF:0.3/2

\+ sign 16.596+/-1.173 χ^2/NDF: 220.4/20

All: 15.957+/-0.842 χ^2/NDF: 360.9/42

\- sign 15.280+/-1.208 χ^2/NDF: 139.9/21

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

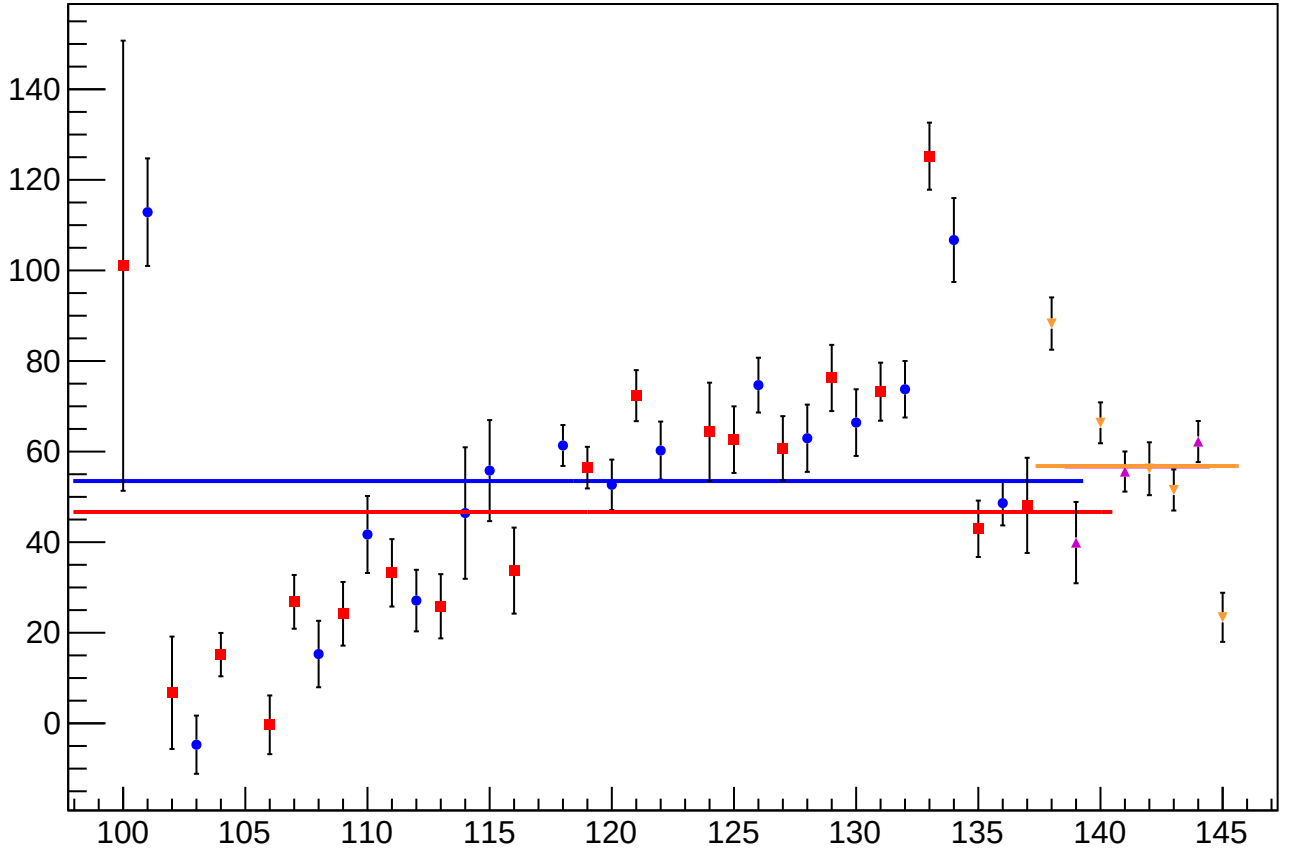
Left In: 322.810+/-3.089 χ^2/NDF:42.3/2

\+ sign 313.793+/-1.336 χ^2/NDF: 4195.0/20

All: 306.819+/-0.945 χ^2/NDF: 9862.9/42

\- sign 299.848+/-1.336 χ^2/NDF: 5613.5/21

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

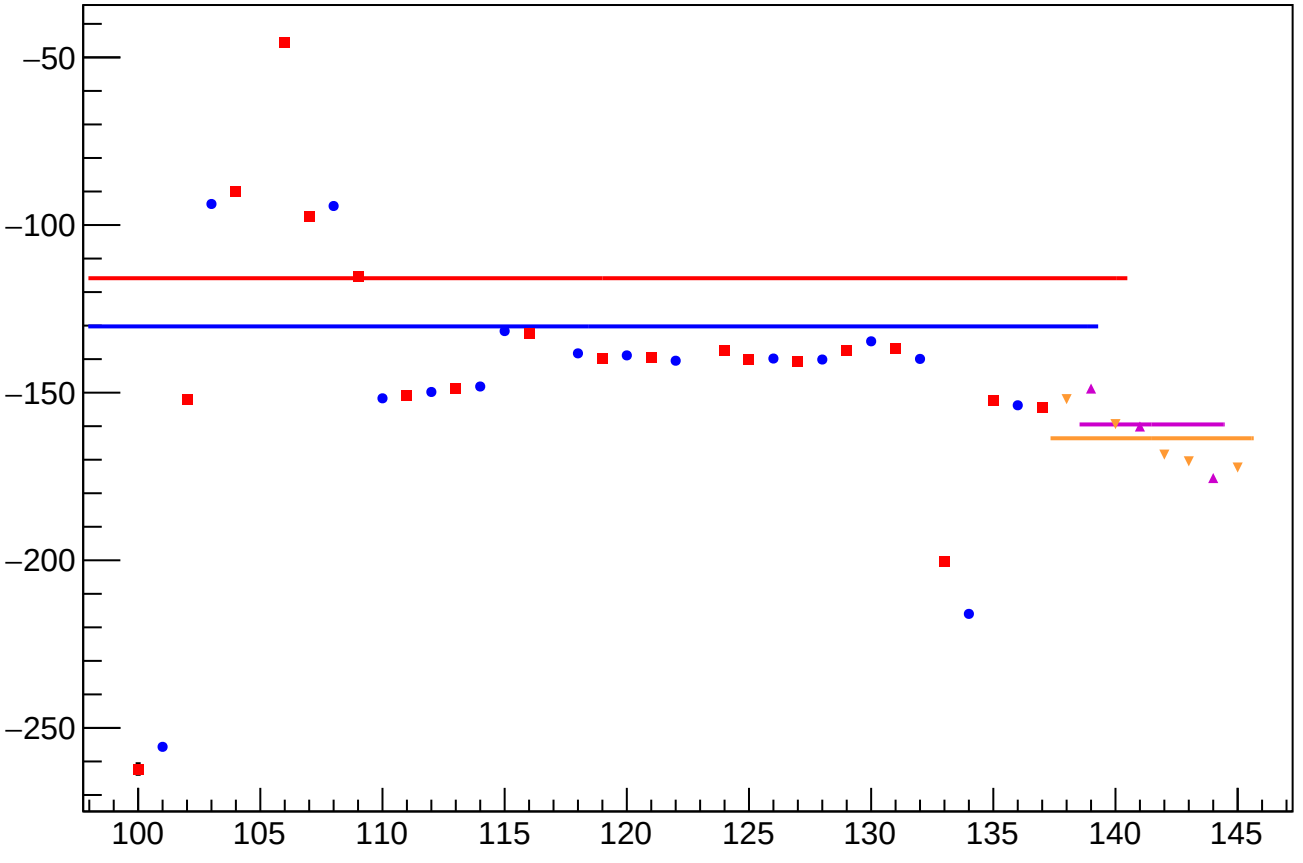
Left In: 56.728+/-2.990 χ^2/NDF:5.0/2

+ sign 54.672+/-1.364 χ^2/NDF: 292.1/20

All: 51.870+/-0.979 χ^2/NDF: 640.3/42

- sign 48.891+/-1.406 χ^2/NDF: 339.5/21

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

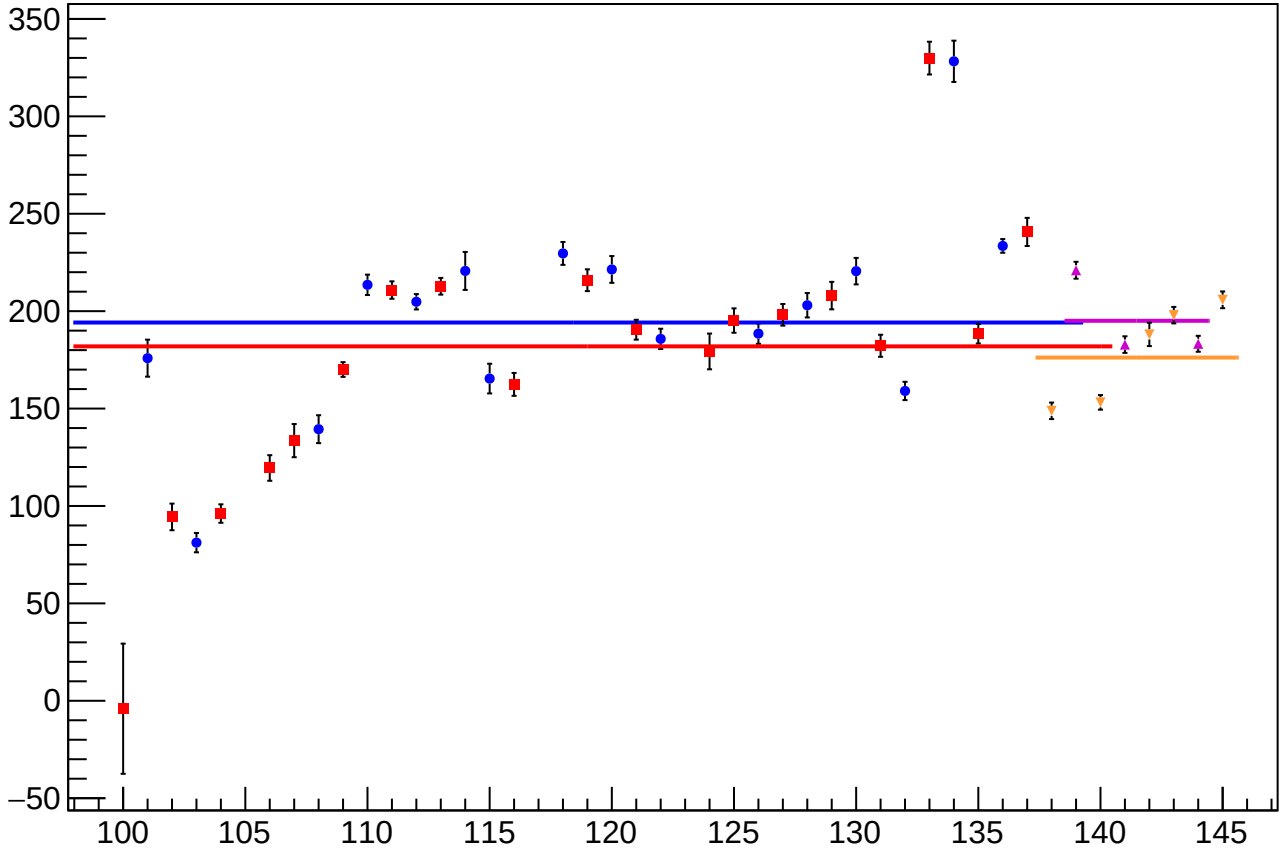
Left In: -159.478+/-0.124 χ^2/NDF:7430.6/2

+ sign -144.855+/-0.068 χ^2/NDF: 239029.1/20

All: -137.676+/-0.049 χ^2/NDF: 559296.1/42

- sign -130.036+/-0.070 χ^2/NDF: 297444.5/21

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

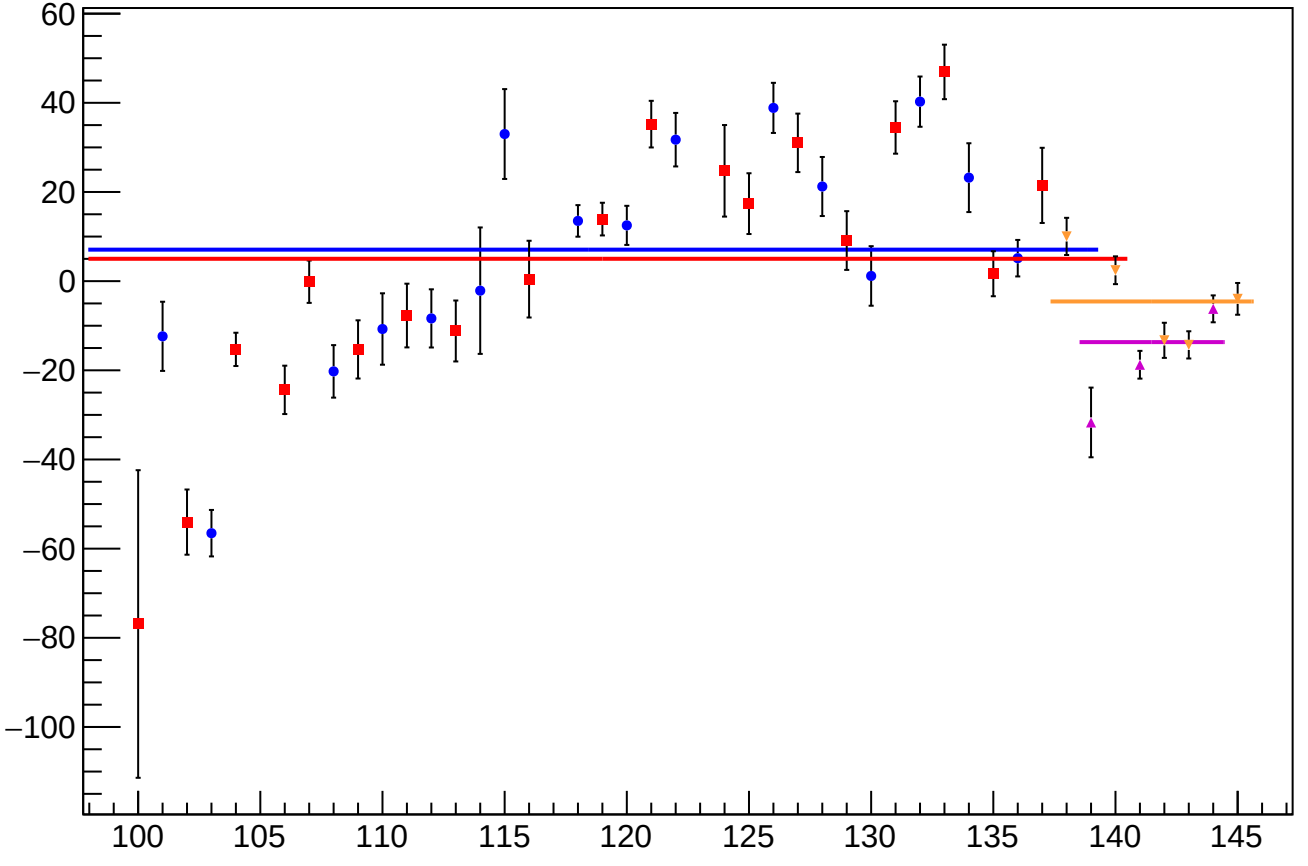
Left In: 195.056+/-2.438 χ^2/NDF:52.4/2

+ sign 187.980+/-1.139 χ^2/NDF: 1248.7/20

All: 186.476+/-0.814 χ^2/NDF: 2531.9/42

- sign 184.911+/-1.162 χ^2/NDF: 1279.7/21

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

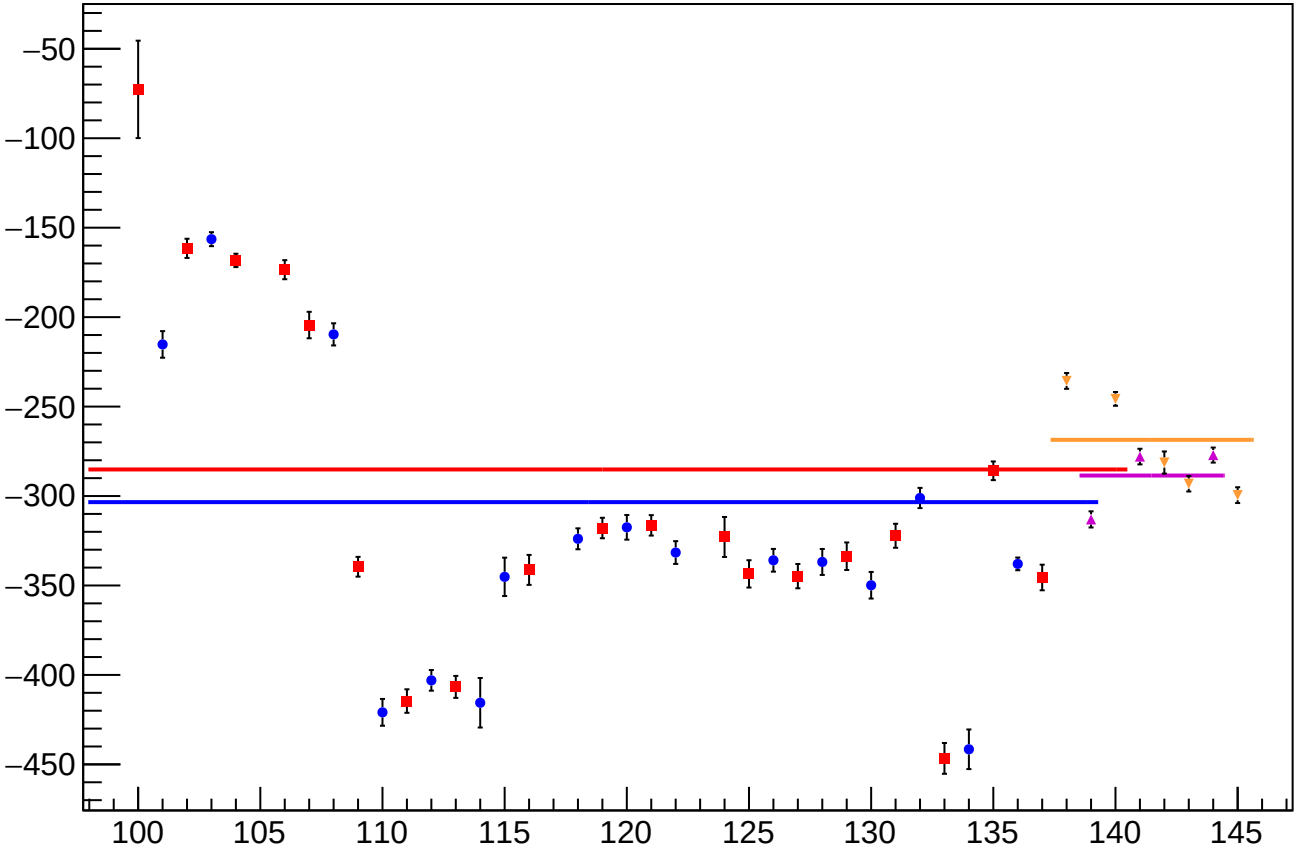
Left In: -13.674+/-2.088 χ^2/NDF:14.1/2

+ sign 1.708+/-1.059 χ^2/NDF: 354.9/20

All: 0.671+/-0.775 χ^2/NDF: 715.9/42

- sign -0.522+/-1.137 χ^2/NDF: 359.0/21

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

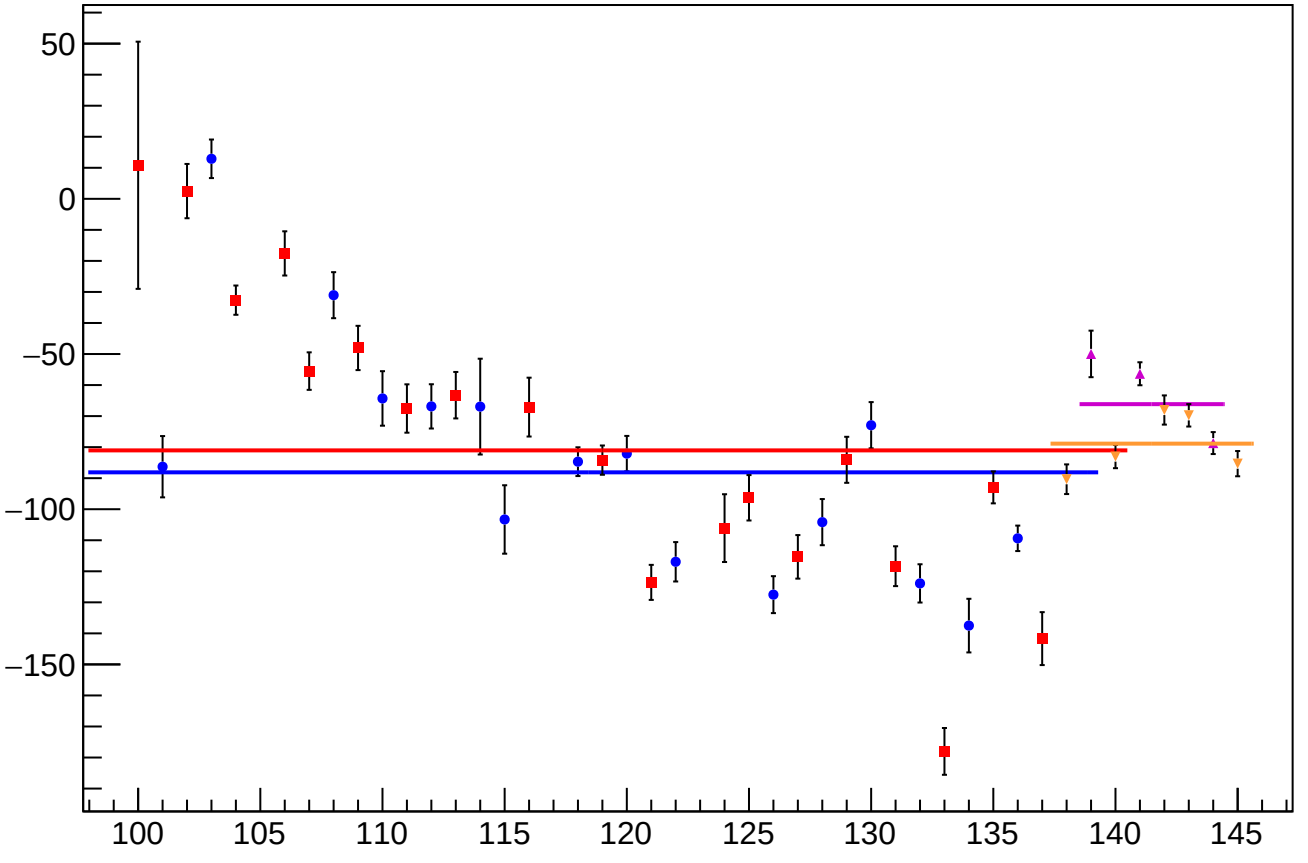
Left In: -288.544+/-2.517 χ^2/NDF:42.7/2

\+ sign -290.582+/-1.216 χ^2/NDF: 3152.2/20

All: -288.364+/-0.874 χ^2/NDF: 6958.0/42

\- sign -285.995+/-1.257 χ^2/NDF: 3798.9/21

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

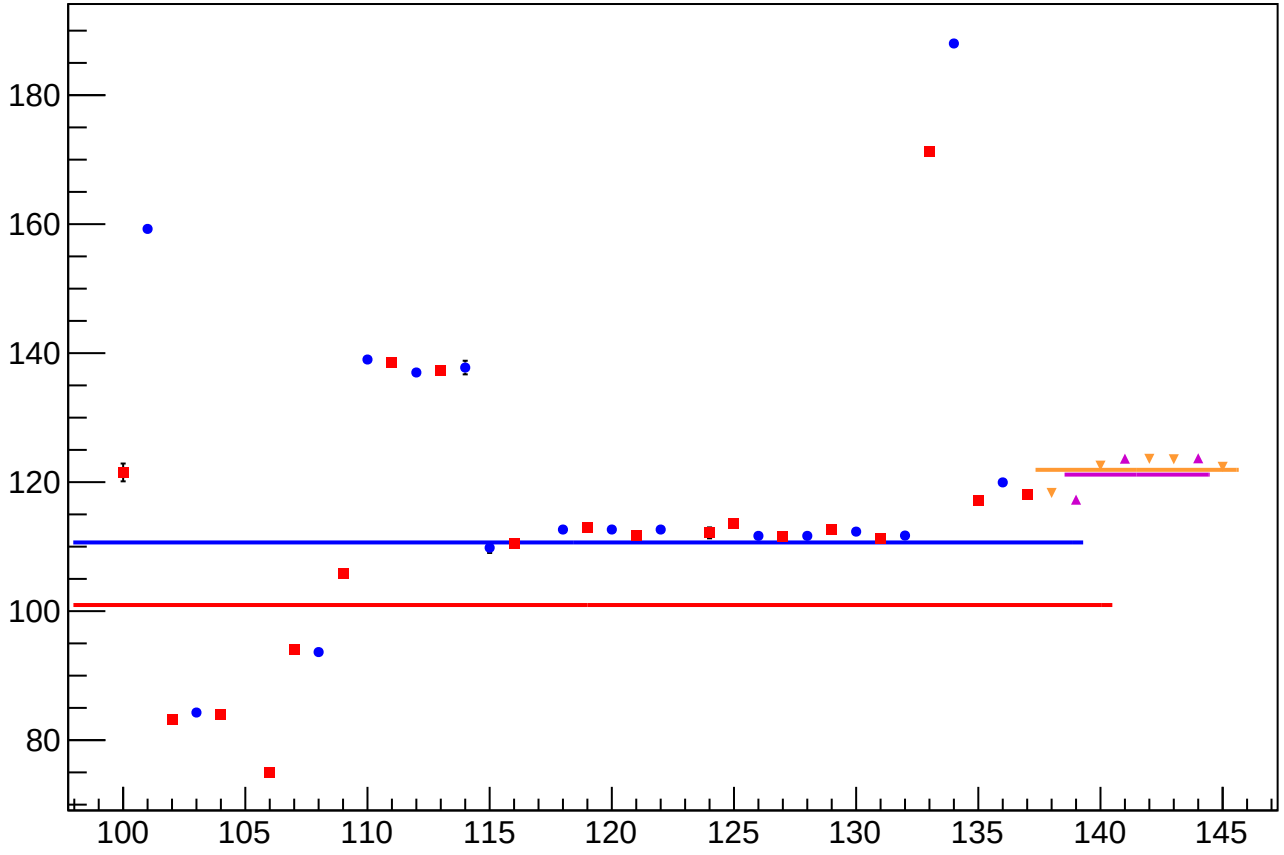
Left In: -66.150+/-2.421 χ^2/NDF:24.2/2

+ sign -83.971+/-1.229 χ^2/NDF: 547.1/20

All: -80.558+/-0.898 χ^2/NDF: 1292.1/42

- sign -76.641+/-1.317 χ^2/NDF: 728.4/21

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

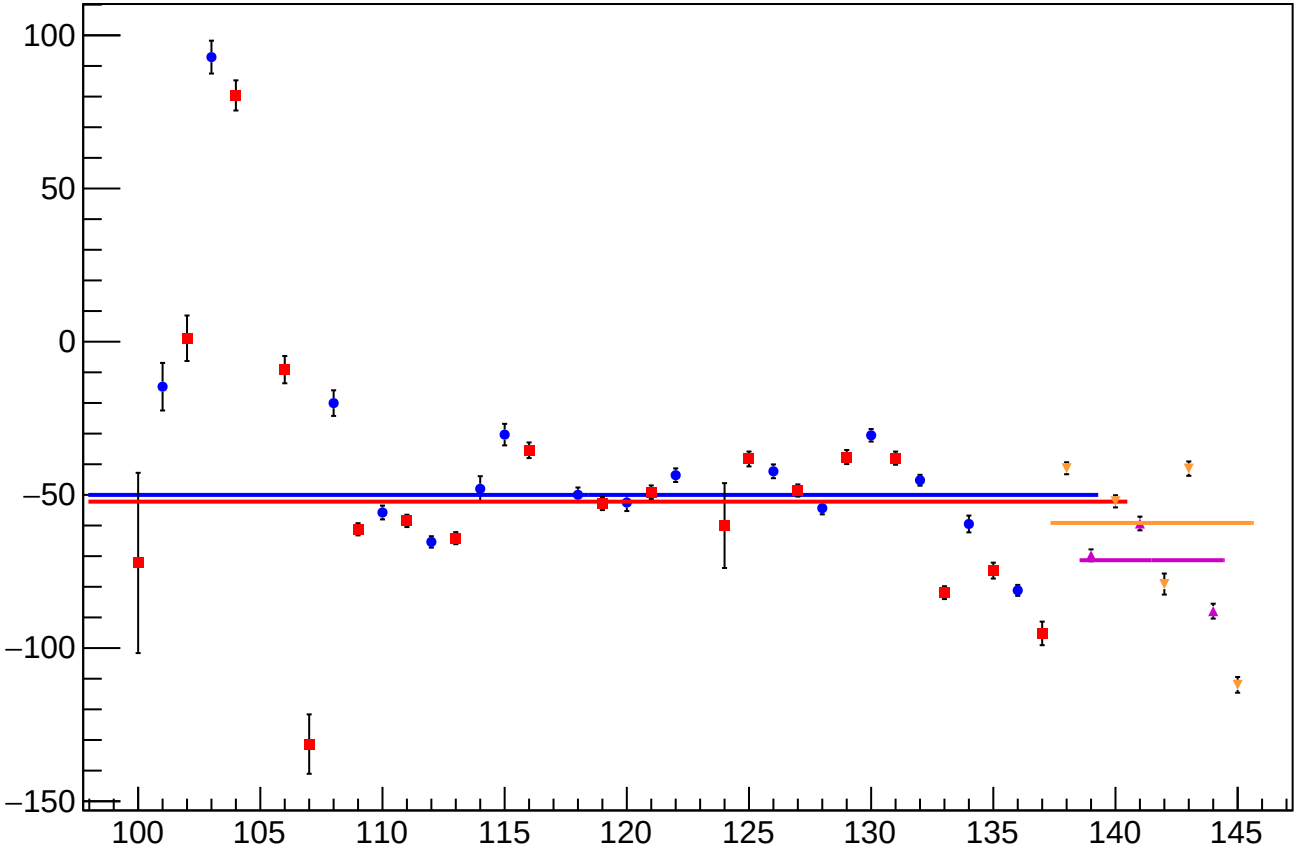
Left In: 121.169+/-0.101 χ^2/NDF:950.9/2

+ sign 116.451+/-0.060 χ^2/NDF: 92943.7/20

All: 112.864+/-0.043 χ^2/NDF: 187904.4/42

- sign 108.852+/-0.063 χ^2/NDF: 87325.7/21

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

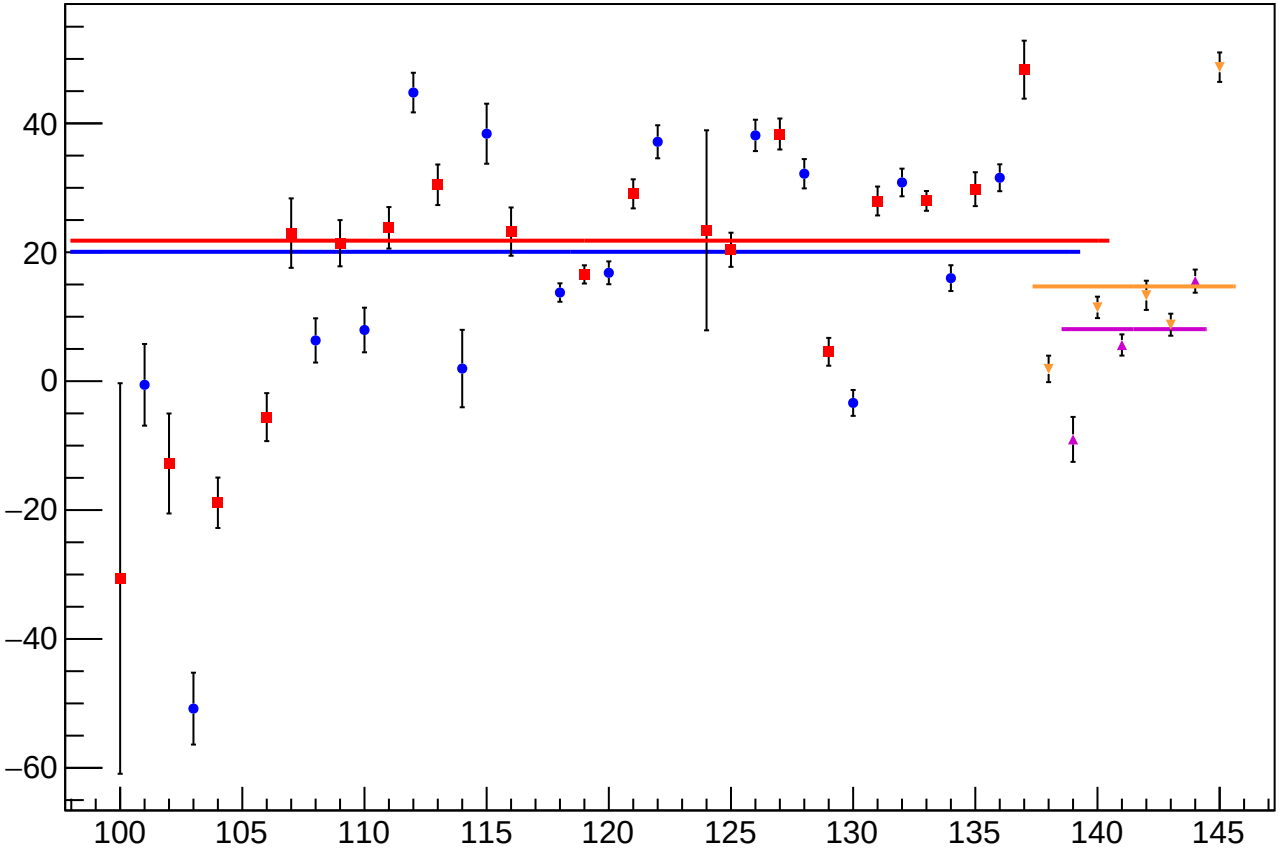
Left In: -71.322+/-1.256 χ^2/NDF:76.0/2

+ sign -52.363+/-0.526 χ^2/NDF: 1994.0/20

All: -54.022+/-0.378 χ^2/NDF: 3849.0/42

- sign -55.807+/-0.545 χ^2/NDF: 1834.3/21

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

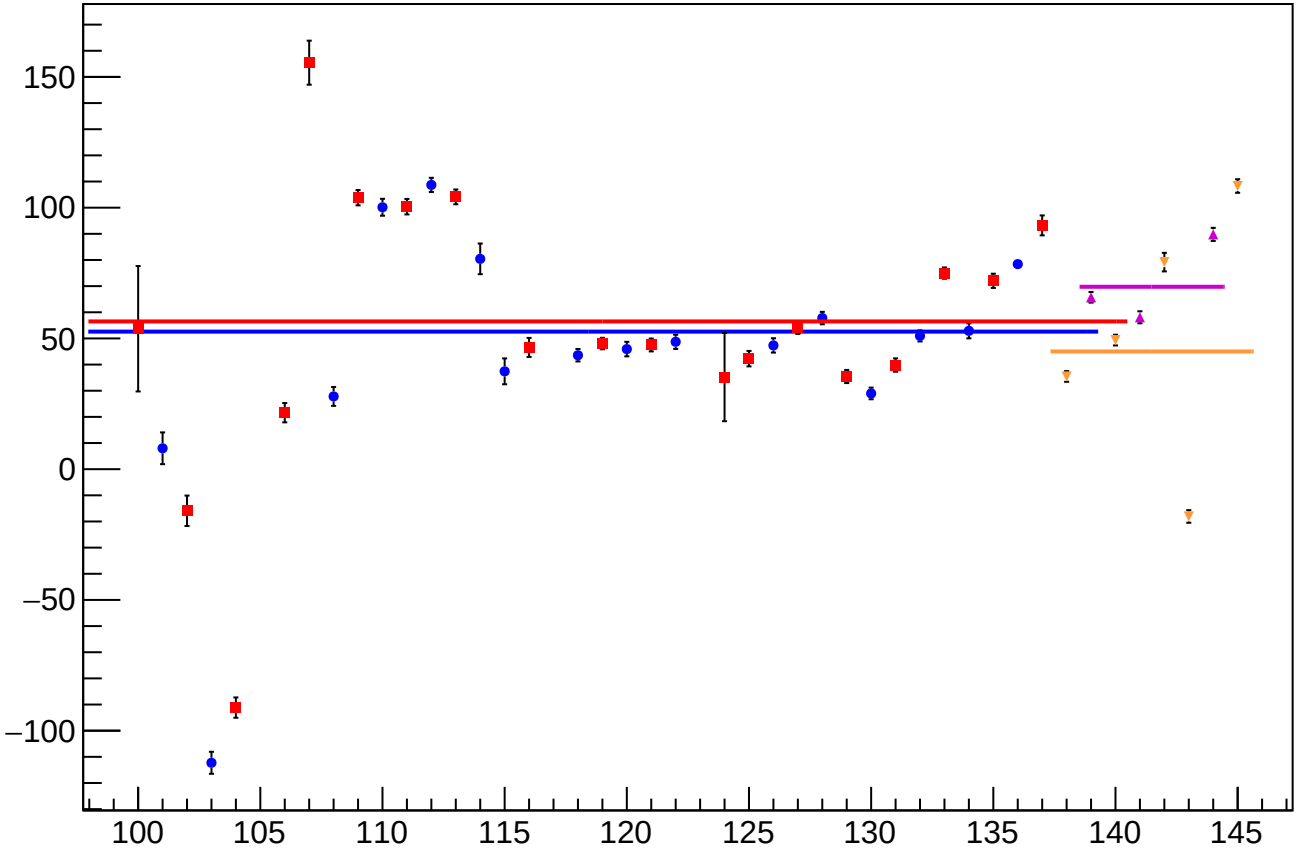
Left In: 8.073+/-1.145 χ^2/NDF:43.5/2

\+ sign 18.288+/-0.500 χ^2/NDF: 938.5/20

All: 18.463+/-0.369 χ^2/NDF: 1489.6/42

\- sign 18.673+/-0.547 χ^2/NDF: 550.8/21

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

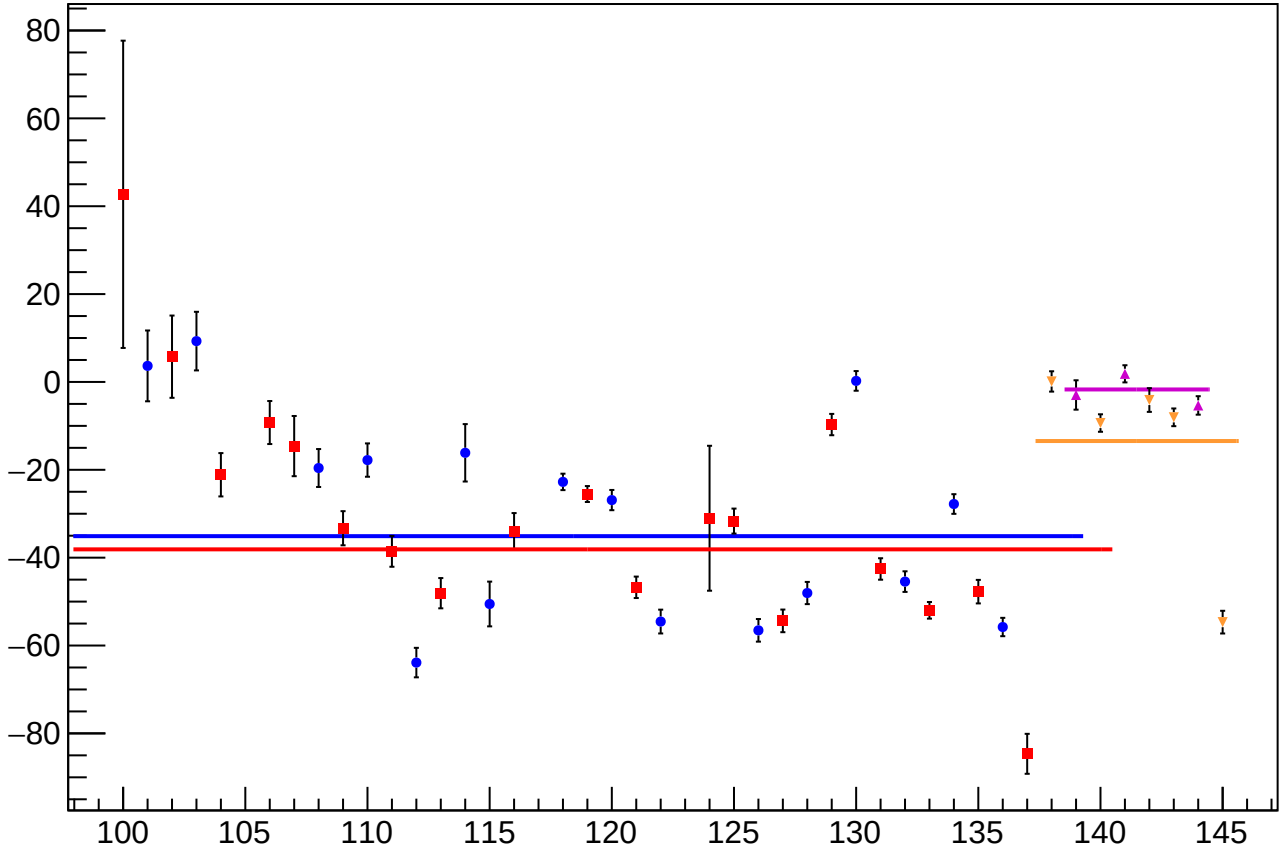
Left In: 69.753+/-1.299 χ^2/NDF:93.8/2

\+ sign 50.337+/-0.583 χ^2/NDF: 4093.2/20

All: 54.648+/-0.425 χ^2/NDF: 7349.4/42

\- sign 59.519+/-0.620 χ^2/NDF: 3139.8/21

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

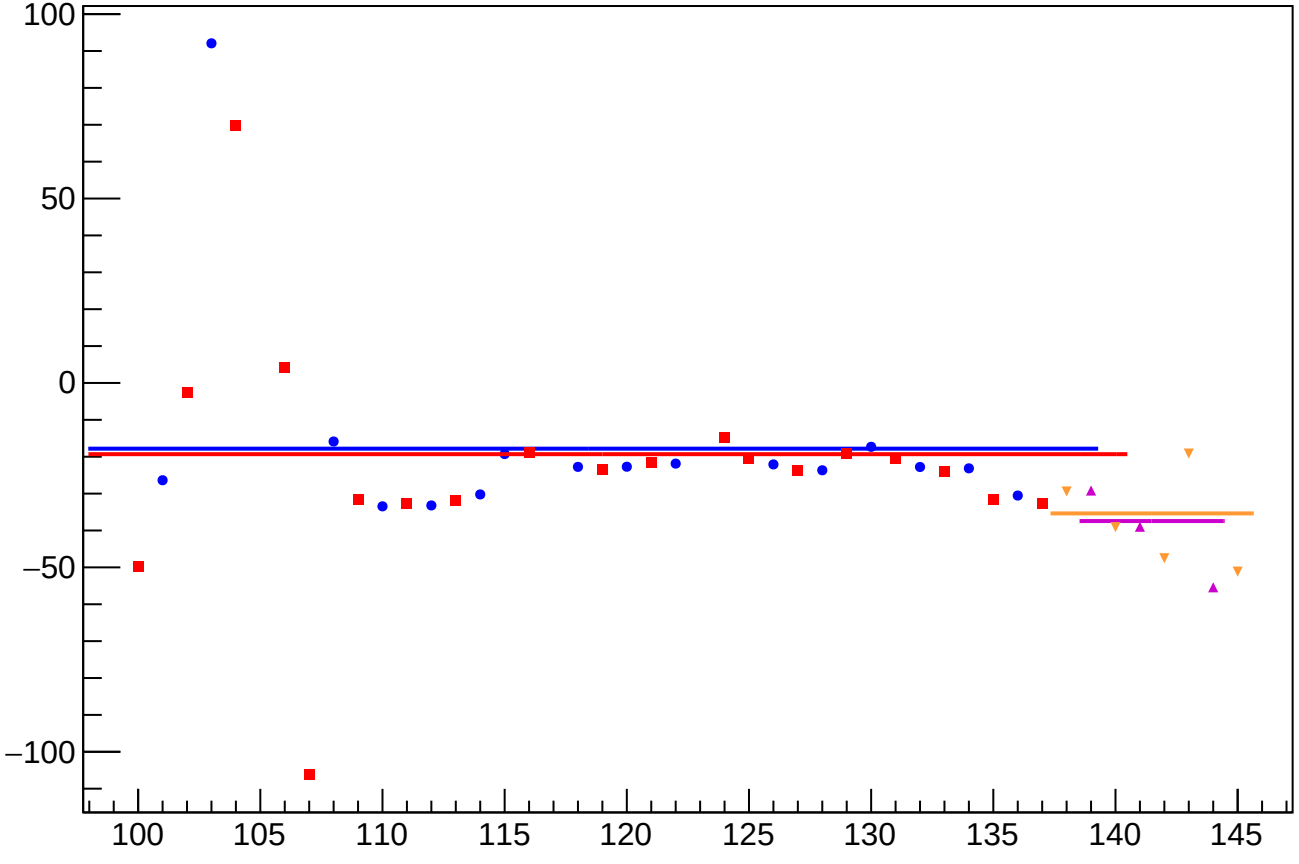
Left In: -1.711+/-1.315 χ^2/NDF:6.5/2

+ sign -28.114+/-0.576 χ^2/NDF: 1394.5/20

All: -28.898+/-0.424 χ^2/NDF: 2511.1/42

- sign -29.828+/-0.627 χ^2/NDF: 1112.6/21

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

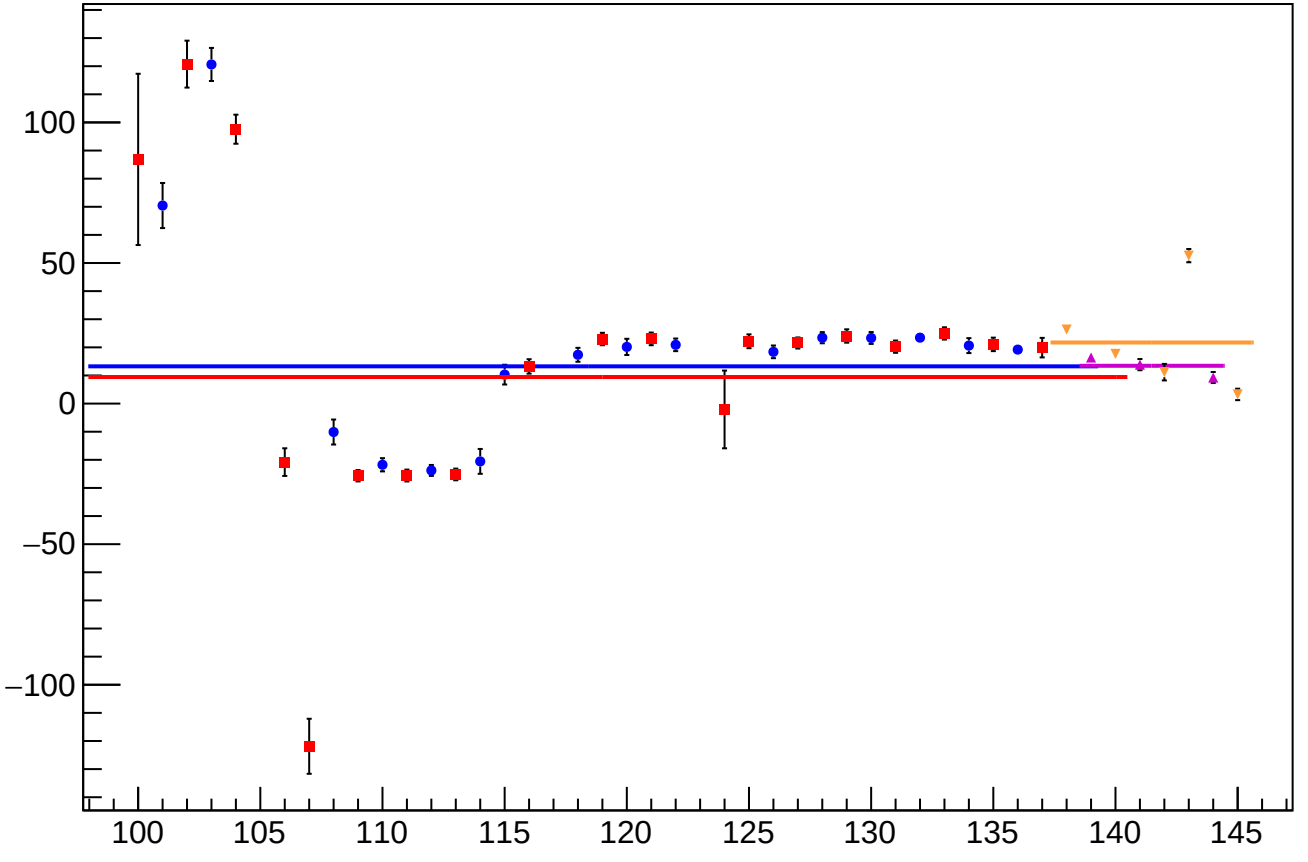
Left In: -37.442+/-0.051 χ^2/NDF:39048.3/2

+ sign -26.455+/-0.031 χ^2/NDF: 571486.2/20

All: -26.914+/-0.023 χ^2/NDF: 1025375.2/42

- sign -27.479+/-0.034 χ^2/NDF: 453394.5/21

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

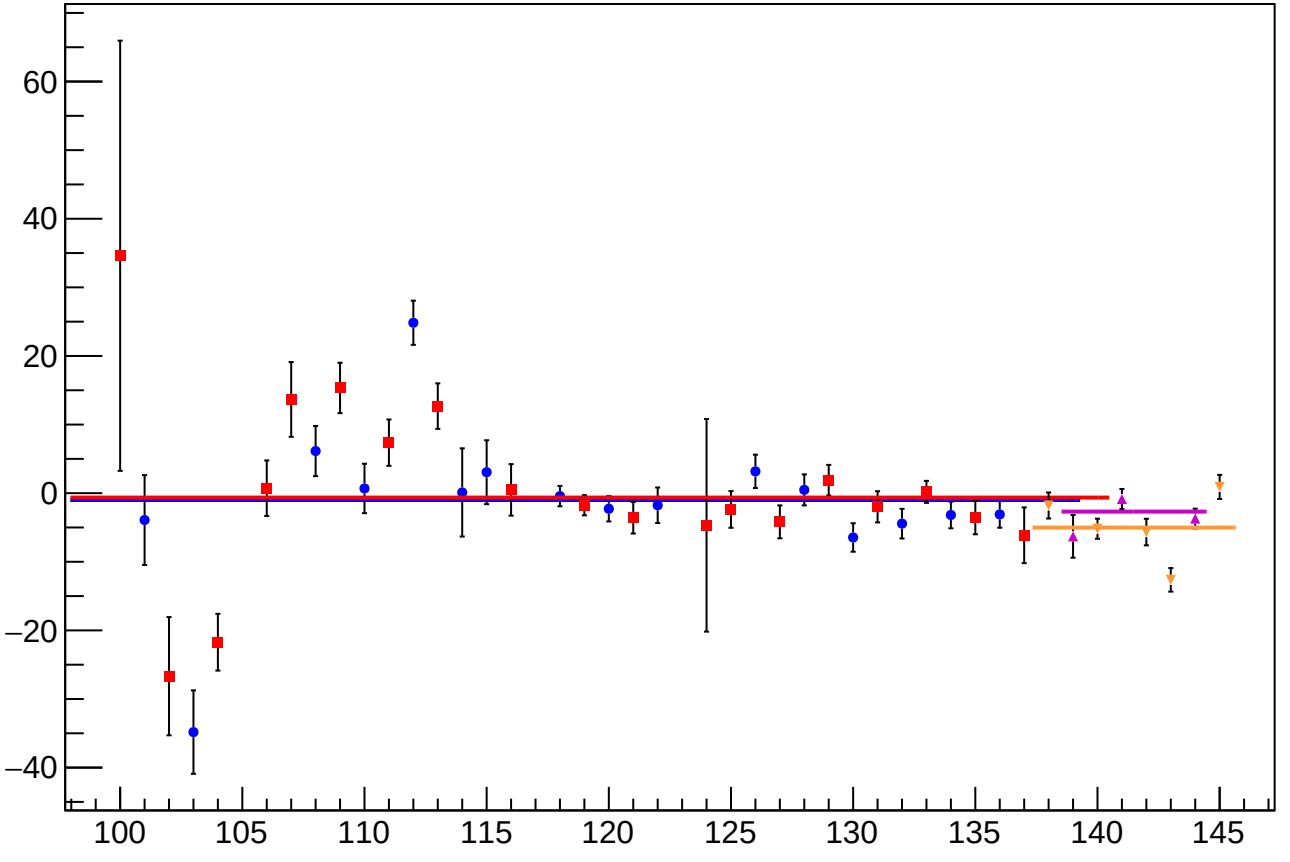
Left In: 13.449+/-1.084 χ^2/NDF:7.5/2

+ sign 15.860+/-0.511 χ^2/NDF: 1519.4/20

All: 13.264+/-0.370 χ^2/NDF: 3427.8/42

- sign 10.424+/-0.535 χ^2/NDF: 1854.5/21

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

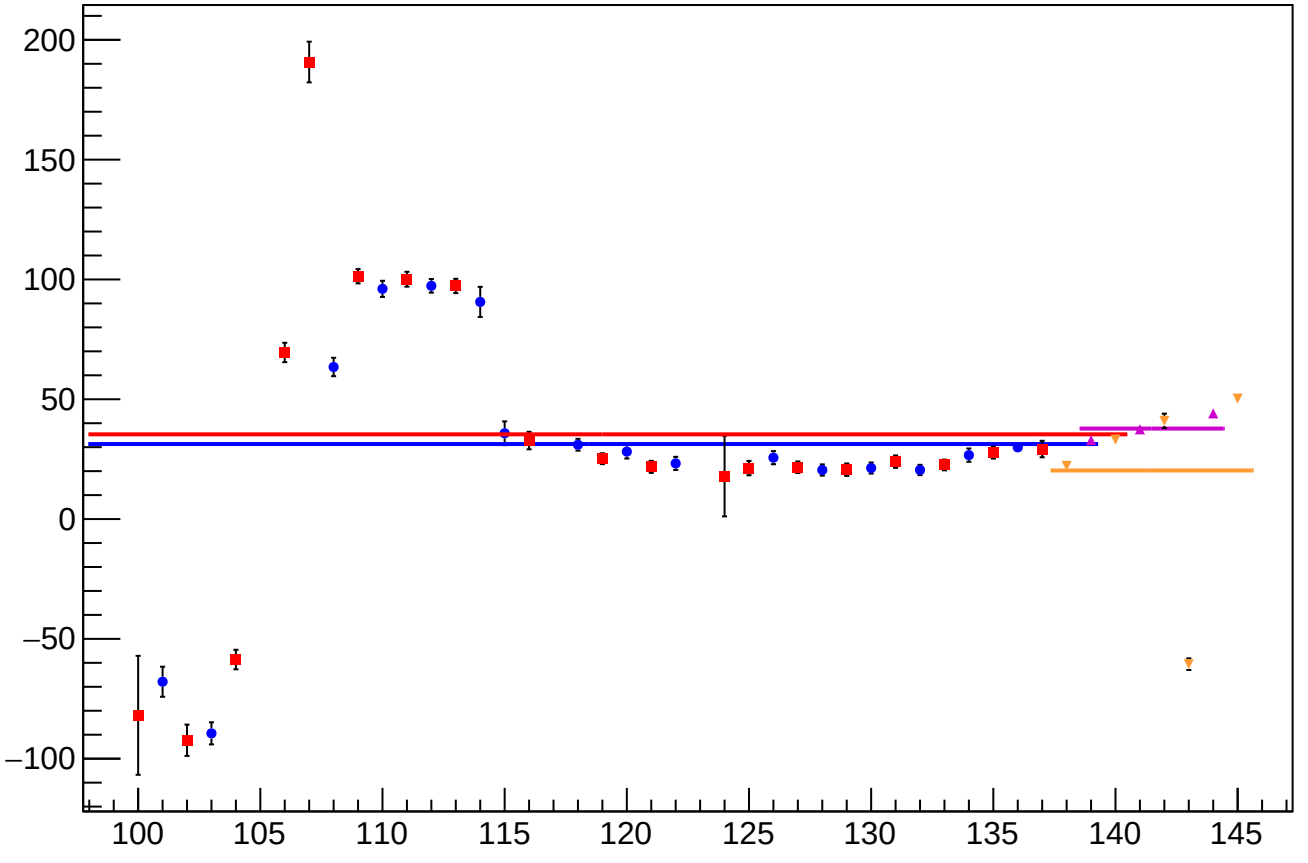
Left In: -2.687+/-0.977 χ^2/NDF:3.4/2

+ sign -2.566+/-0.483 χ^2/NDF: 166.9/20

All: -1.973+/-0.358 χ^2/NDF: 271.0/42

- sign -1.252+/-0.533 χ^2/NDF: 100.7/21

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

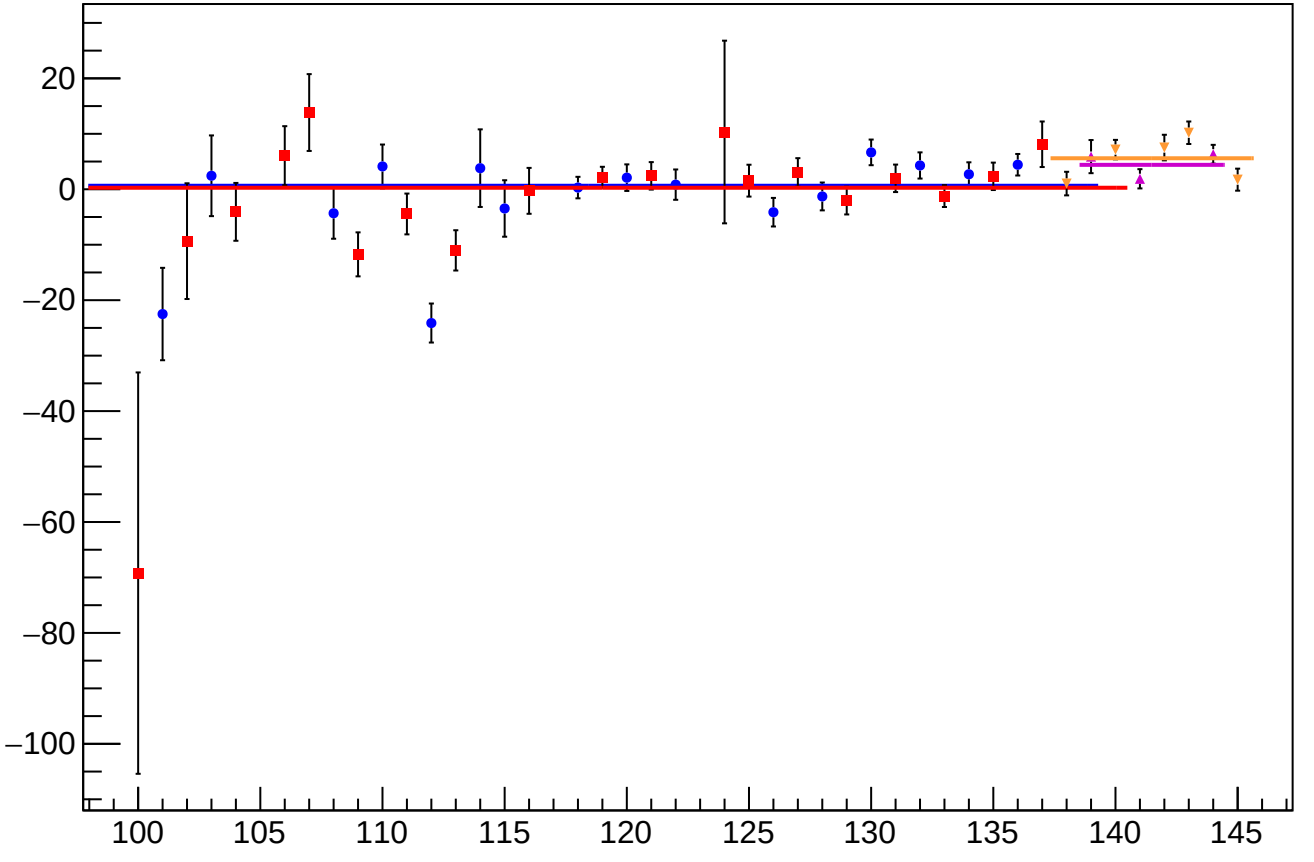
Left In: 37.772+/-1.120 χ^2/NDF:17.2/2

\+ sign 27.428+/-0.564 χ^2/NDF: 3590.3/20

All: 31.450+/-0.412 χ^2/NDF: 6617.7/42

\- sign 36.066+/-0.604 χ^2/NDF: 2918.1/21

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

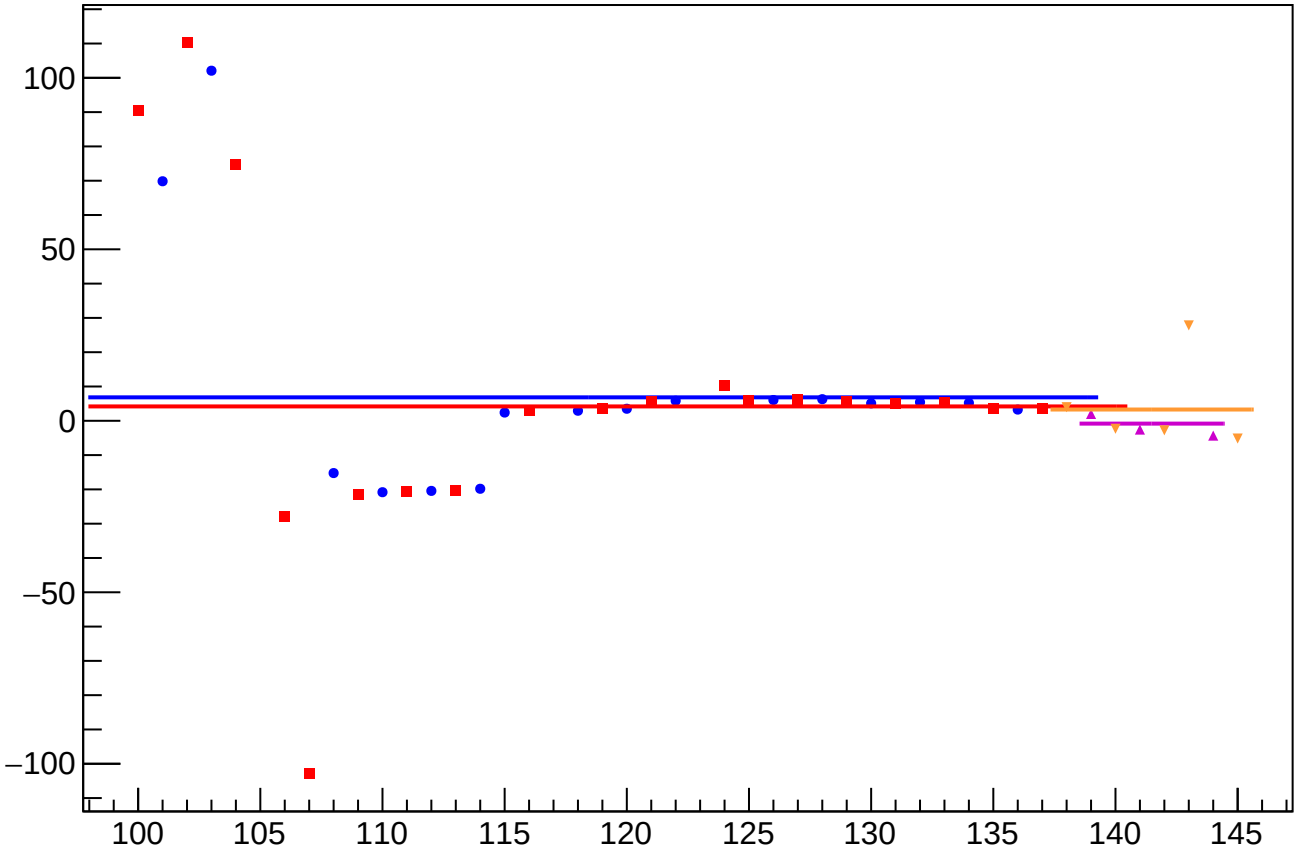
Left In: 4.404+/-1.123 χ^2/NDF:3.6/2

+ sign 2.513+/-0.555 χ^2/NDF: 112.2/20

All: 2.051+/-0.410 χ^2/NDF: 167.4/42

- sign 1.492+/-0.610 χ^2/NDF: 53.6/21

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

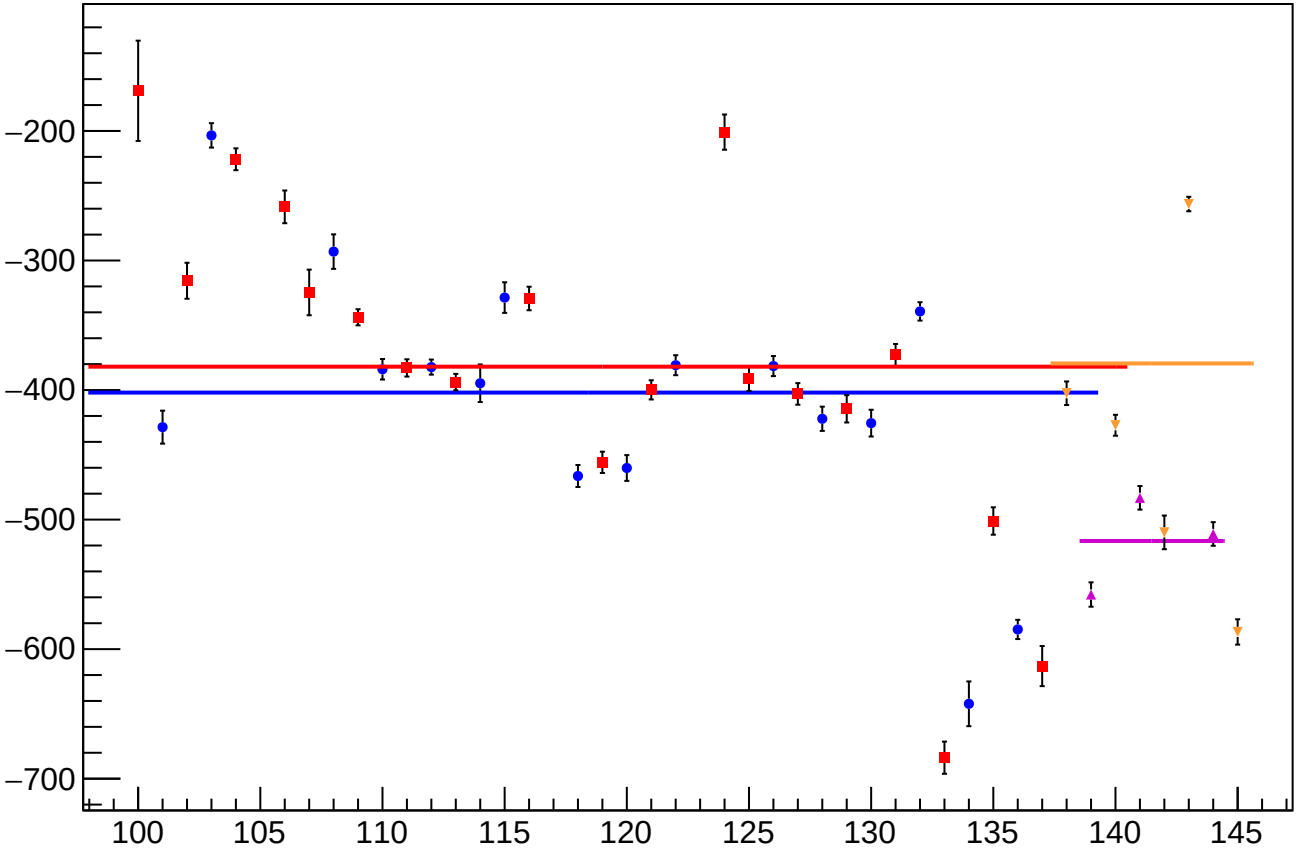
Left In: -0.823+/-0.044 χ^2/NDF:3883.1/2

+ sign 4.897+/-0.029 χ^2/NDF: 402075.8/20

All: 3.404+/-0.021 χ^2/NDF: 852608.0/42

- sign 1.569+/-0.032 χ^2/NDF: 444561.0/21

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

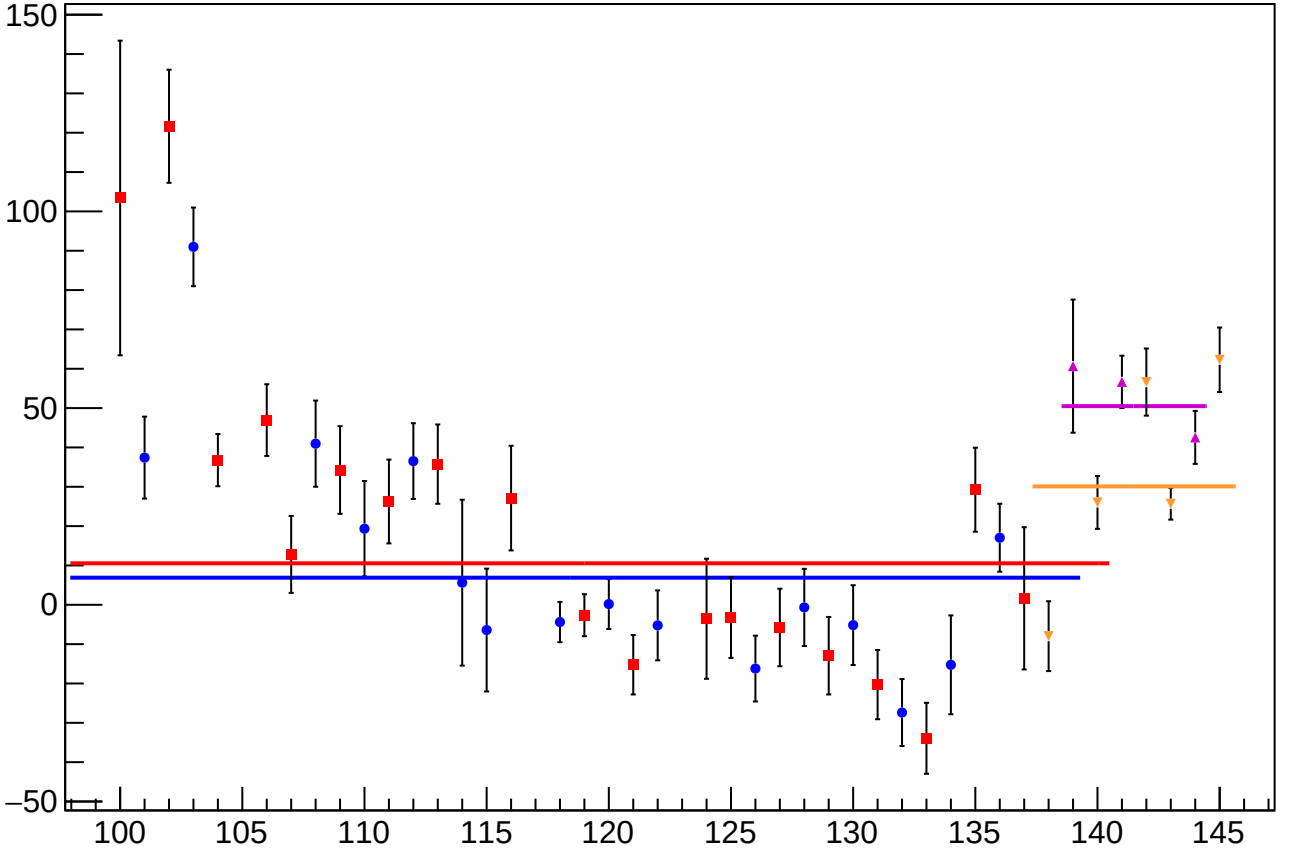
Left In: -516.506+/-5.317 χ^2/NDF:33.1/2

+ sign -395.779+/-1.904 χ^2/NDF: 2666.5/20

All: -398.043+/-1.370 χ^2/NDF: 5072.2/42

- sign -400.473+/-1.973 χ^2/NDF: 2402.8/21

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

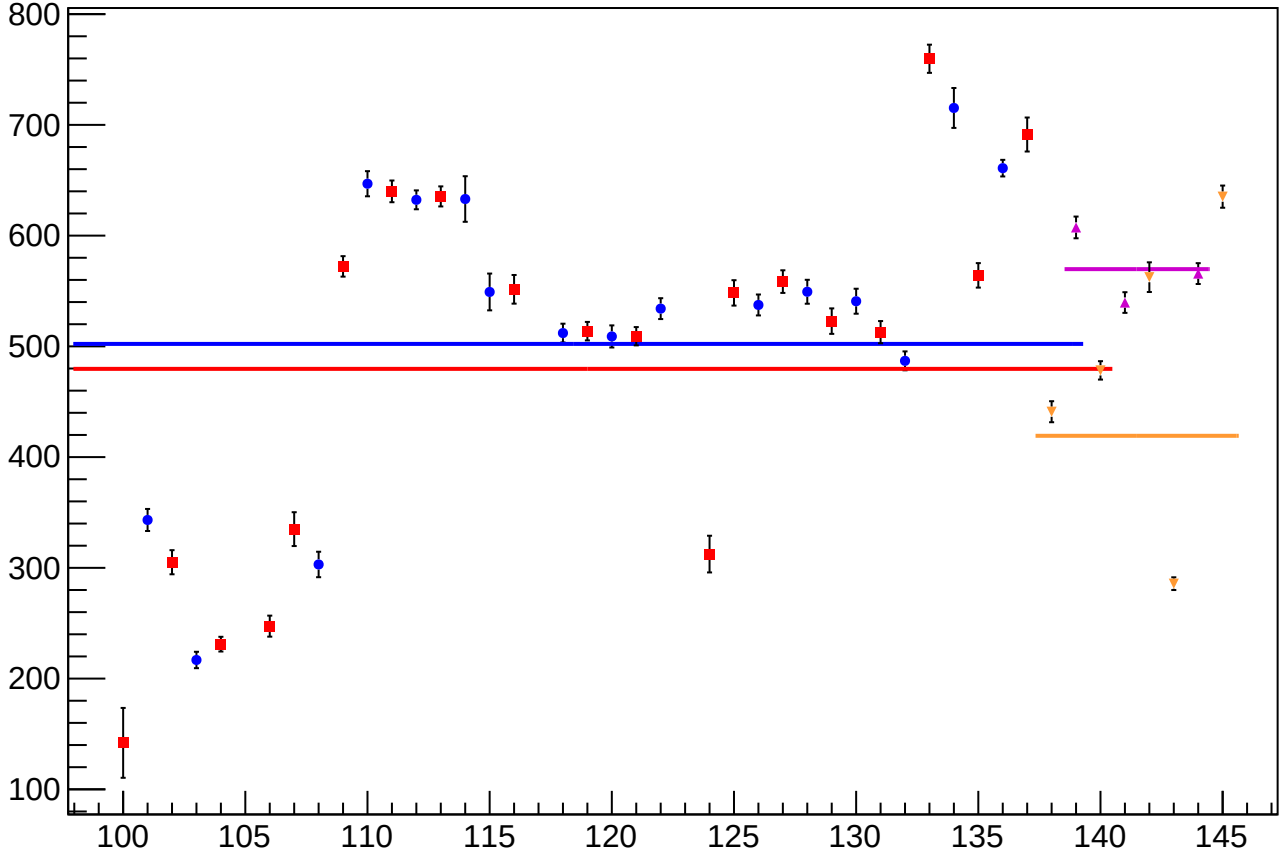
Left In: 50.500+/-4.554 χ^2/NDF:2.6/2

\+ sign 15.937+/-1.769 χ^2/NDF: 224.4/20

All: 16.892+/-1.319 χ^2/NDF: 470.2/42

\- sign 18.088+/-1.979 χ^2/NDF: 245.1/21

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

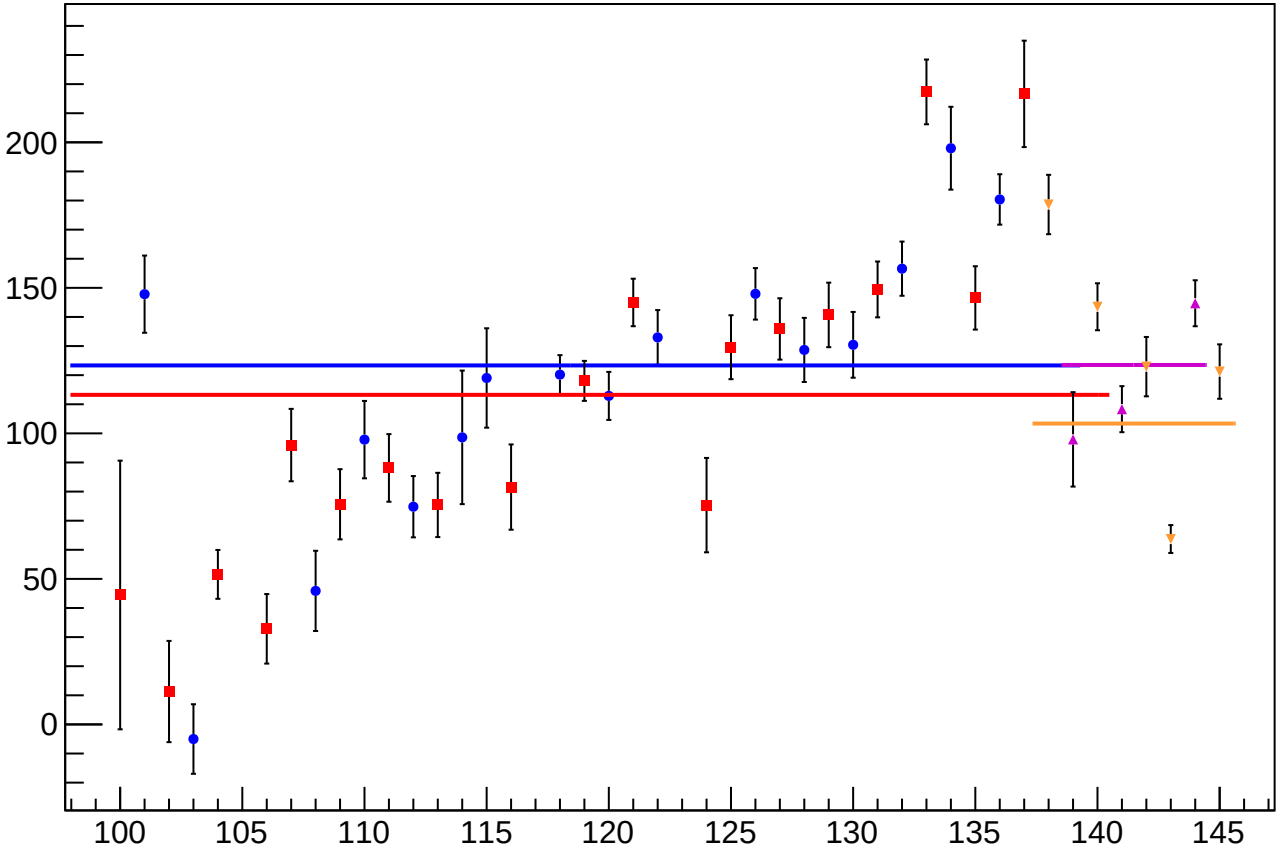
Left In: 569.734+/-5.489 χ^2/NDF:25.4/2

+ sign 476.703+/-2.075 χ^2/NDF: 4650.8/20

All: 484.909+/-1.509 χ^2/NDF: 9073.9/42

- sign 494.124+/-2.198 χ^2/NDF: 4389.9/21

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

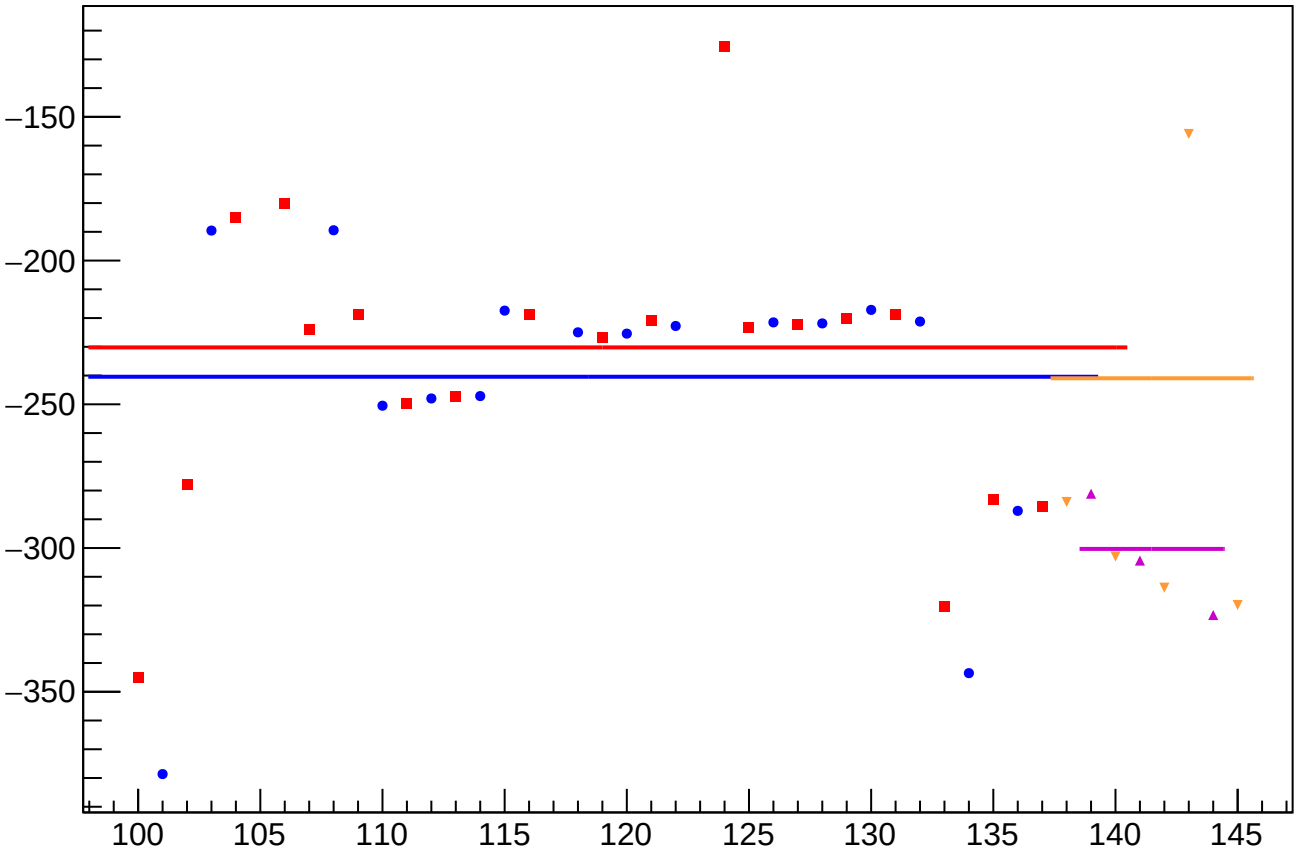
Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 123.501+/-5.285 χ^2/NDF:13.4/2

\+ sign 115.711+/-2.065 χ^2/NDF: 448.6/20

All: 115.468+/-1.534 χ^2/NDF: 810.8/42

\- sign 115.167+/-2.293 χ^2/NDF: 362.2/21



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

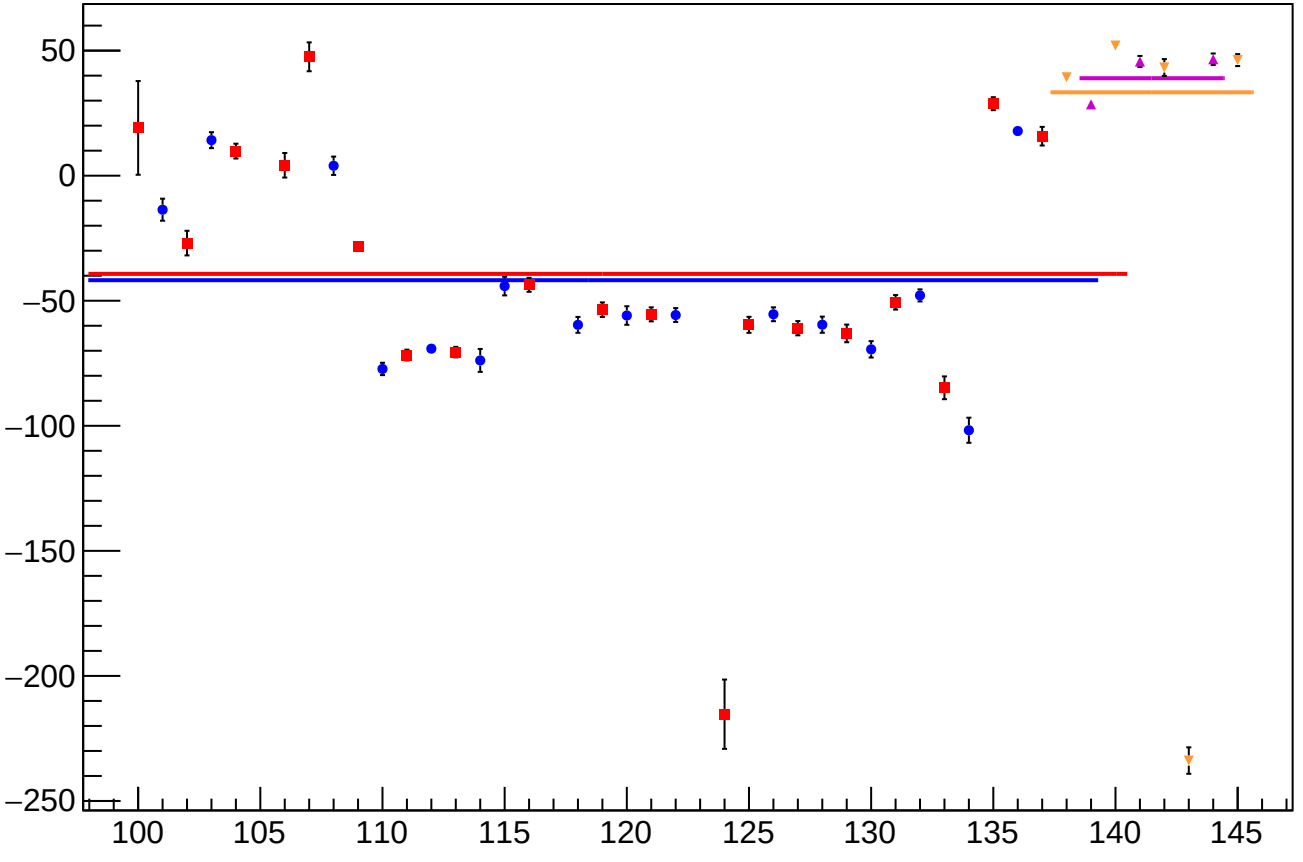
Left In: -300.304+/-0.220 χ^2/NDF:6114.4/2

+ sign -240.668+/-0.108 χ^2/NDF: 357842.2/20

All: -245.540+/-0.081 χ^2/NDF: 522252.6/42

- sign -251.721+/-0.122 χ^2/NDF: 159817.1/21

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

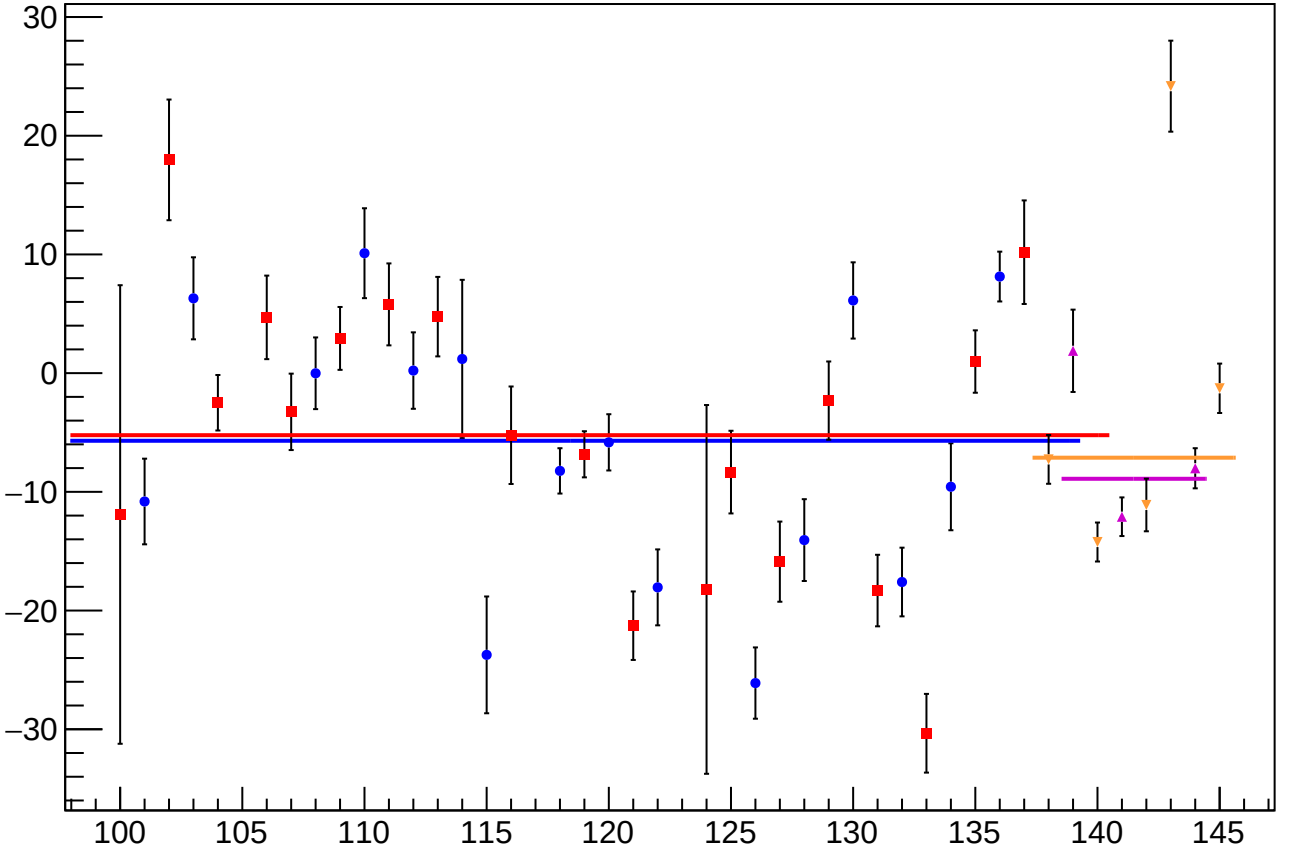
Left In: 38.969+/-1.226 χ^2/NDF:49.6/2

+ sign -19.220+/-0.605 χ^2/NDF: 8336.2/20

All: -20.062+/-0.424 χ^2/NDF: 13982.2/42

- sign -20.875+/-0.594 χ^2/NDF: 5642.2/21

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

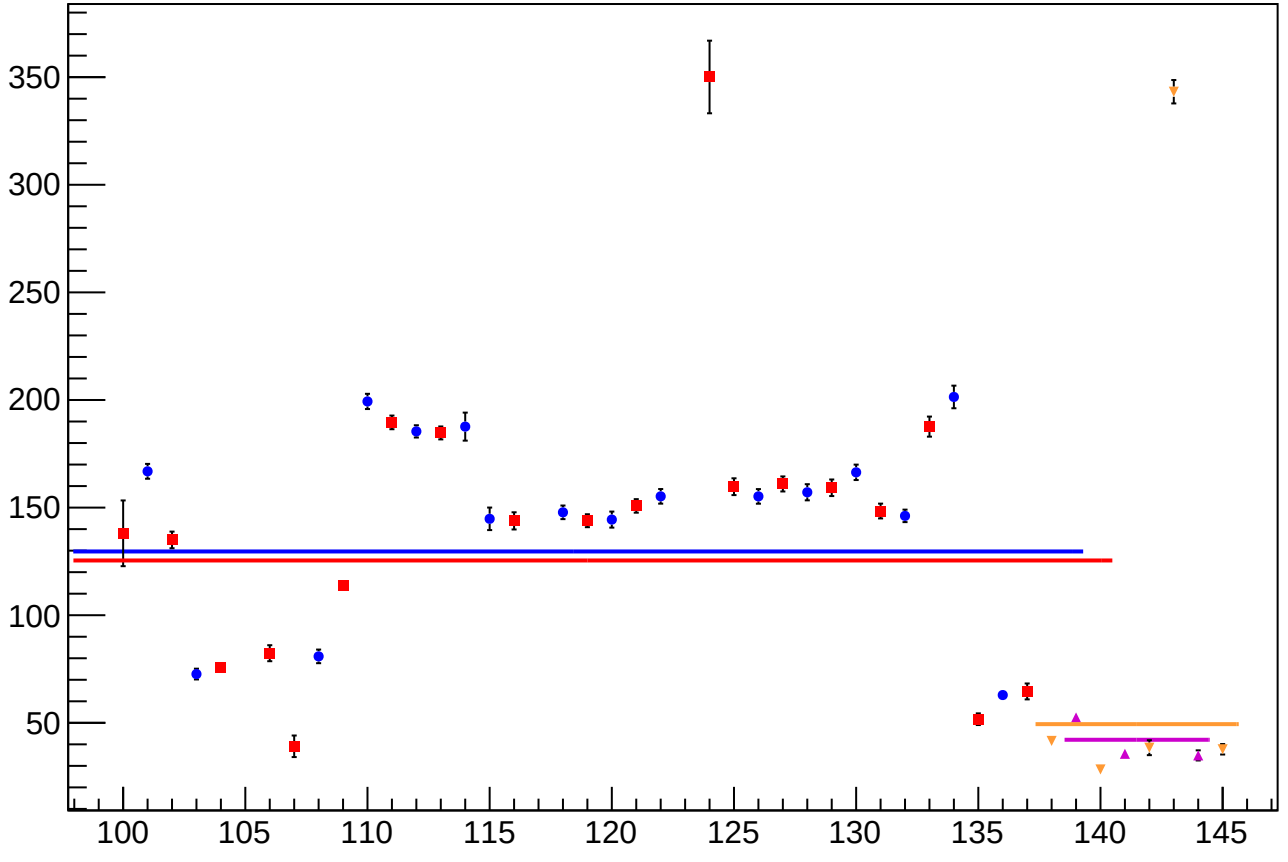
Left In: -8.900+/-1.111 χ^2/NDF:13.8/2

+ sign -6.248+/-0.590 χ^2/NDF: 294.6/20

All: -6.300+/-0.426 χ^2/NDF: 513.3/42

- sign -6.356+/-0.616 χ^2/NDF: 218.7/21

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

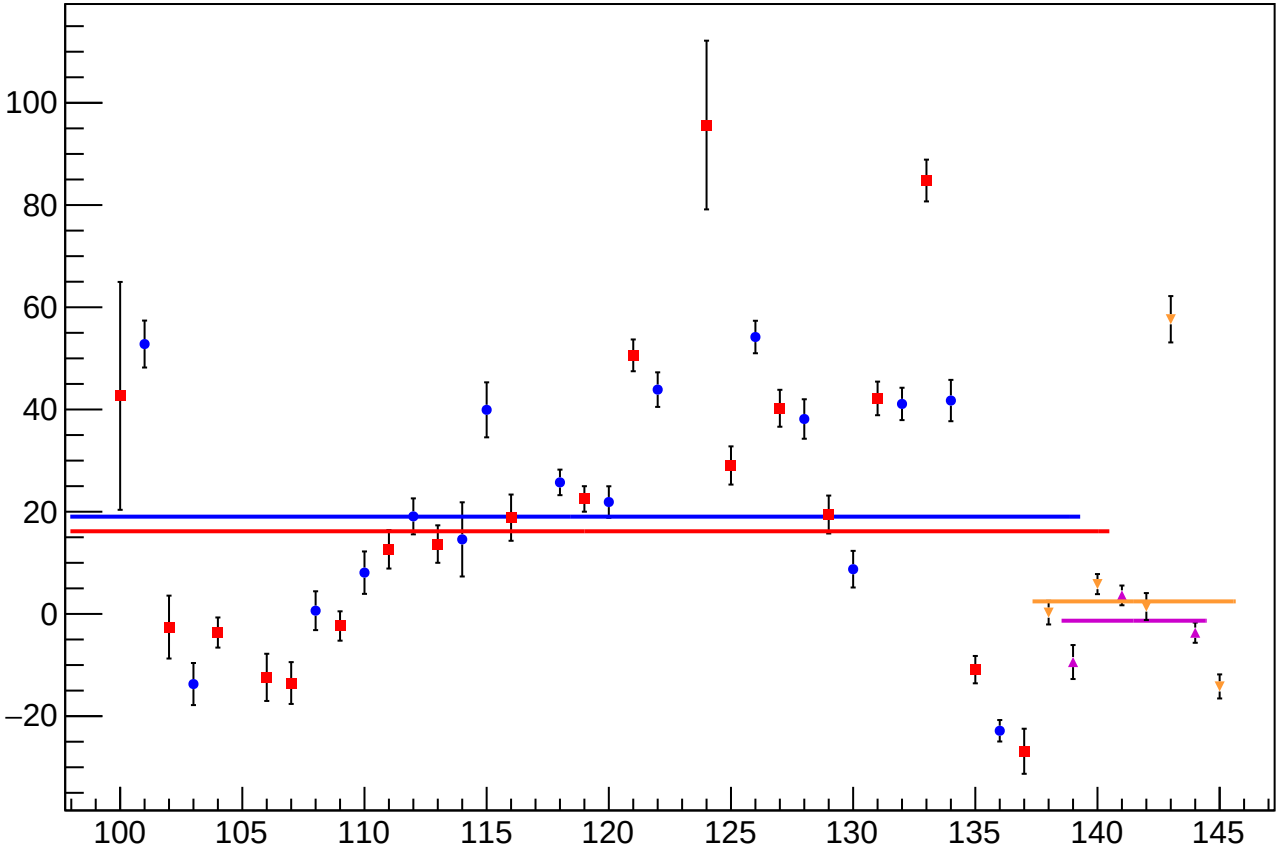
Left In: 42.126+/-1.267 χ^2/NDF:44.4/2

+ sign 103.041+/-0.655 χ^2/NDF: 10026.2/20

All: 102.596+/-0.468 χ^2/NDF: 16687.3/42

- sign 102.129+/-0.670 χ^2/NDF: 6660.2/21

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

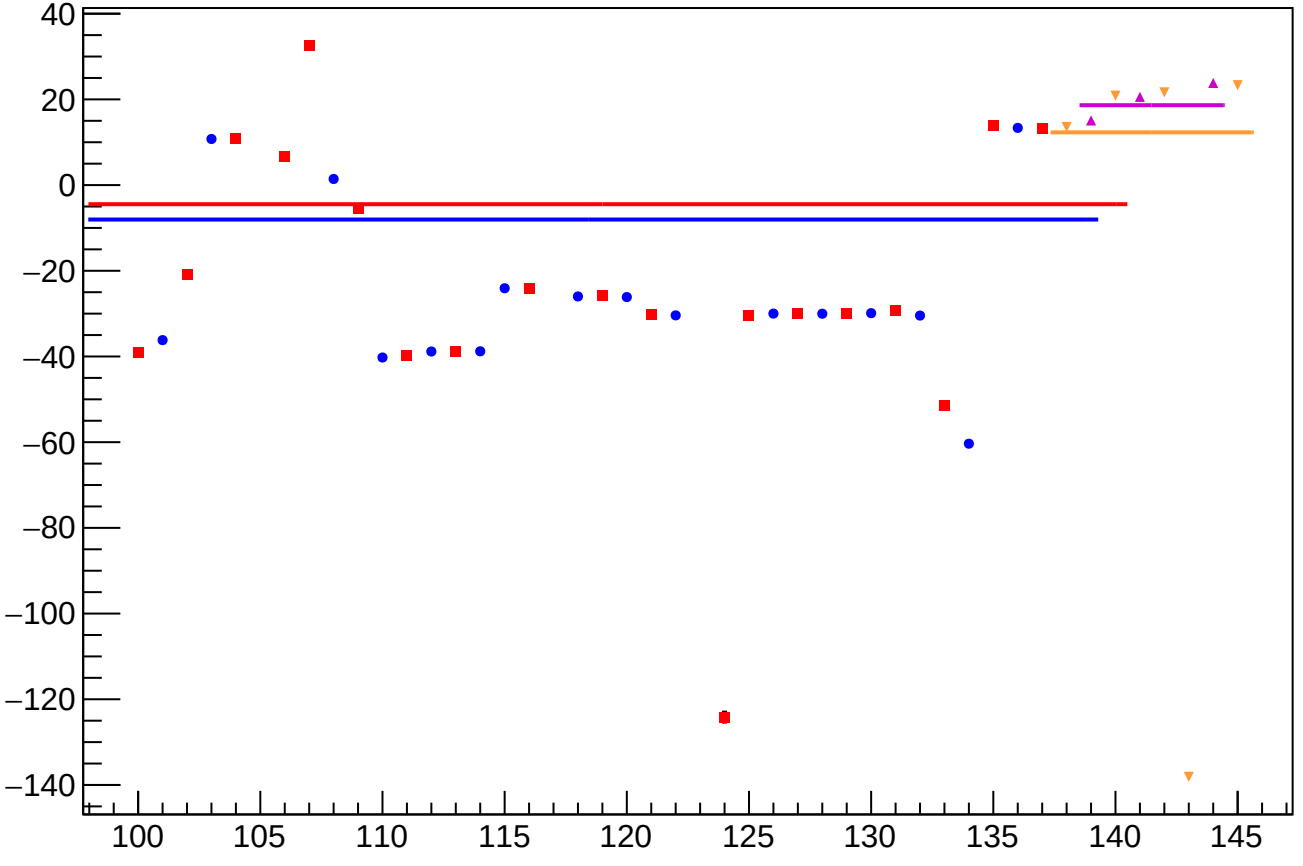
Left In: -1.326+/-1.276 χ^2/NDF:13.9/2

+ sign 12.782+/-0.679 χ^2/NDF: 1200.5/20

All: 11.843+/-0.489 χ^2/NDF: 2290.3/42

- sign 10.829+/-0.705 χ^2/NDF: 1085.8/21

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

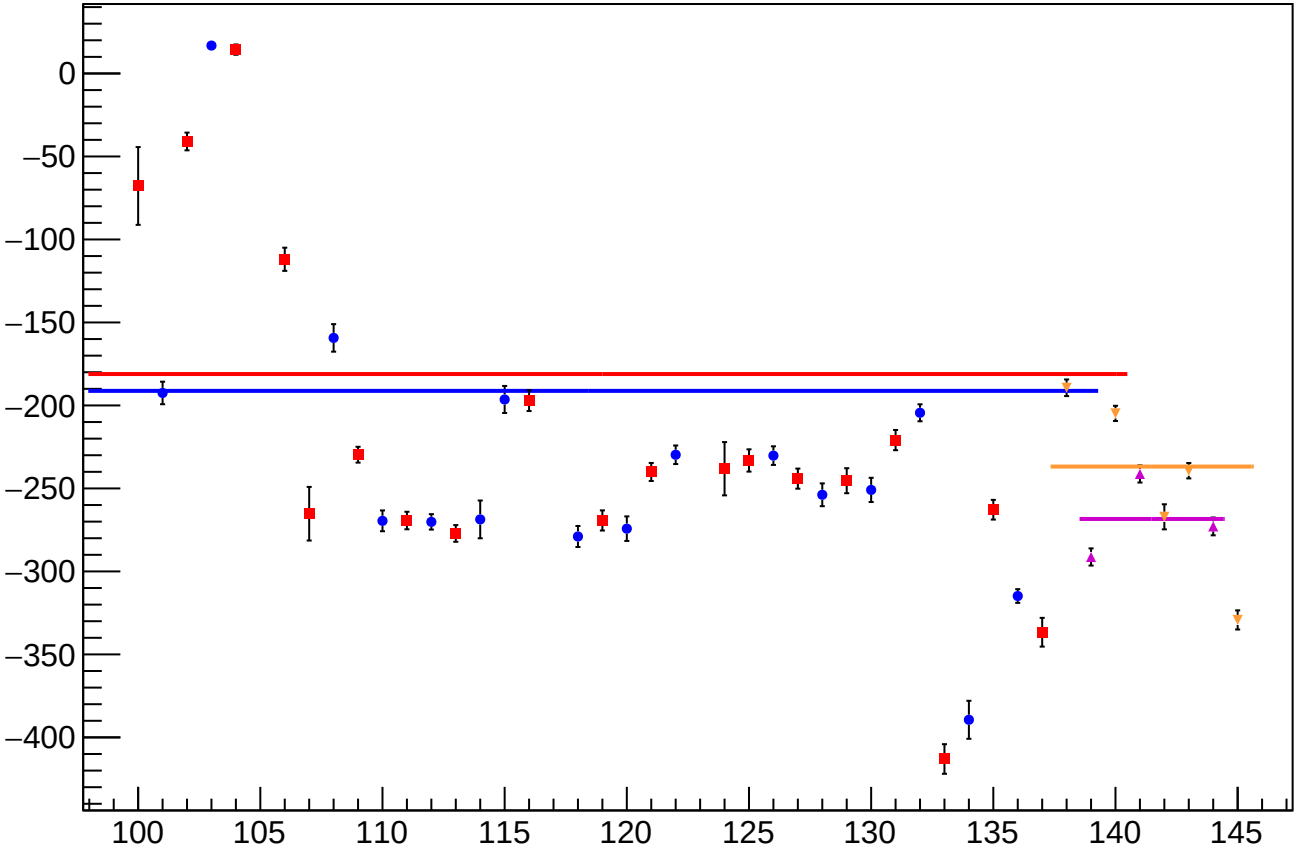
Left In: 18.646+/-0.050 χ^2/NDF:5345.0/2

+ sign 1.951+/-0.033 χ^2/NDF: 832496.9/20

All: 4.063+/-0.024 χ^2/NDF: 1189168.9/42

- sign 6.362+/-0.034 χ^2/NDF: 347959.3/21

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

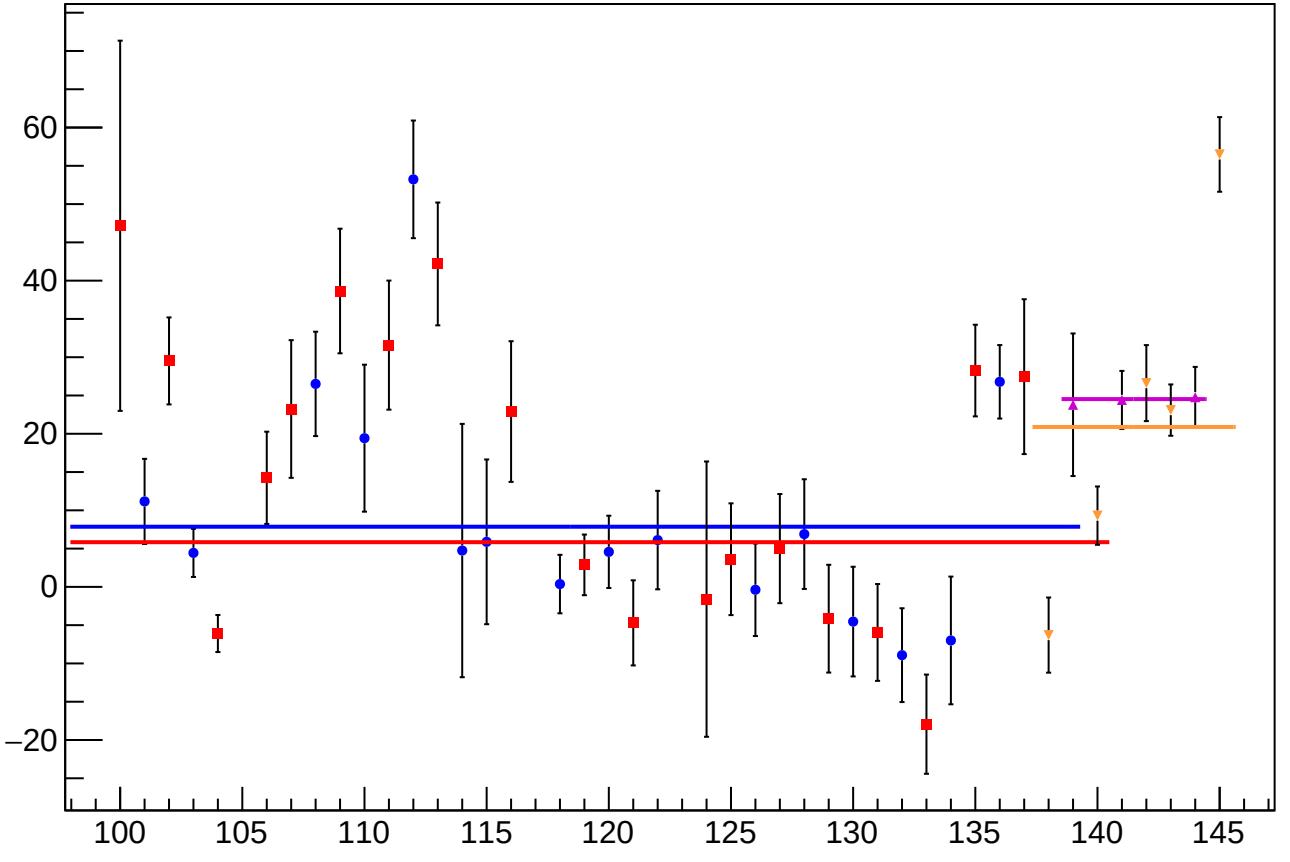
Left In: -268.400+/-3.027 χ^2/NDF:47.6/2

+ sign -203.440+/-1.214 χ^2/NDF: 7913.7/20

All: -199.926+/-0.873 χ^2/NDF: 16041.3/42

- sign -196.155+/-1.258 χ^2/NDF: 8110.3/21

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

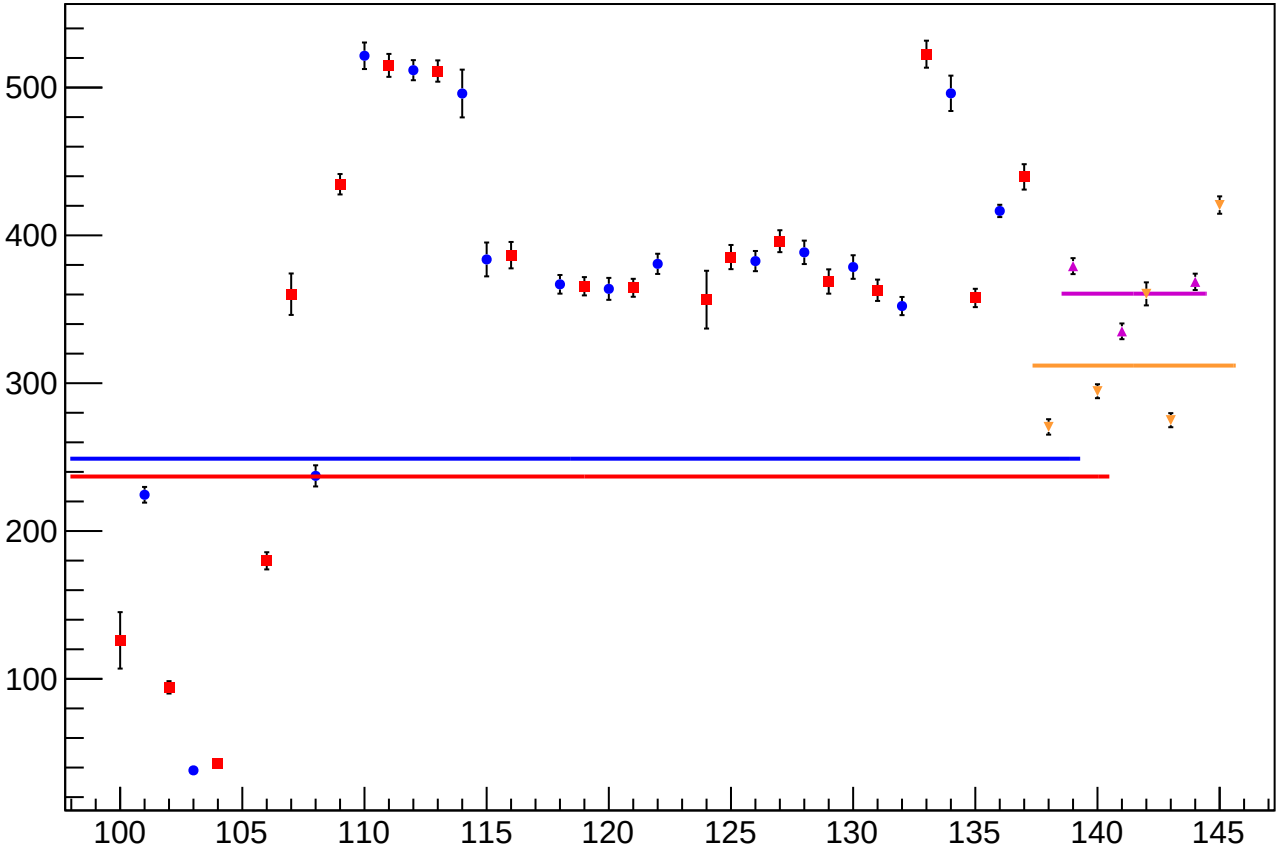
Left In: 24.529+/-2.625 χ^2/NDF:0.0/2

+ sign 12.659+/-1.143 χ^2/NDF: 206.2/20

All: 11.291+/-0.829 χ^2/NDF: 391.1/42

- sign 9.773+/-1.204 χ^2/NDF: 181.9/21

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

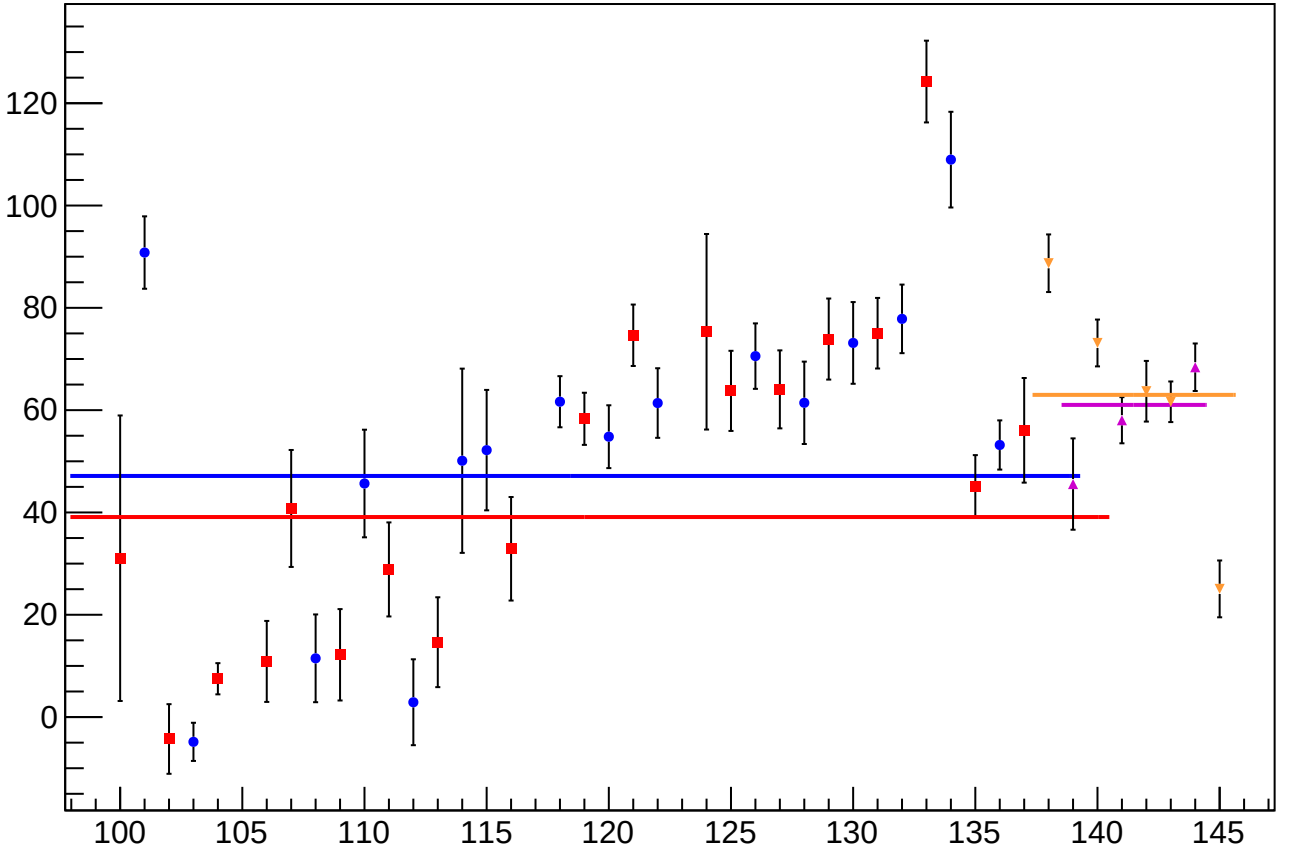
Left In: 360.561+/-3.126 χ^2/NDF:36.9/2

+ sign 265.128+/-1.225 χ^2/NDF: 16323.1/20

All: 261.586+/-0.886 χ^2/NDF: 33337.2/42

- sign 257.706+/-1.283 χ^2/NDF: 16996.6/21

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

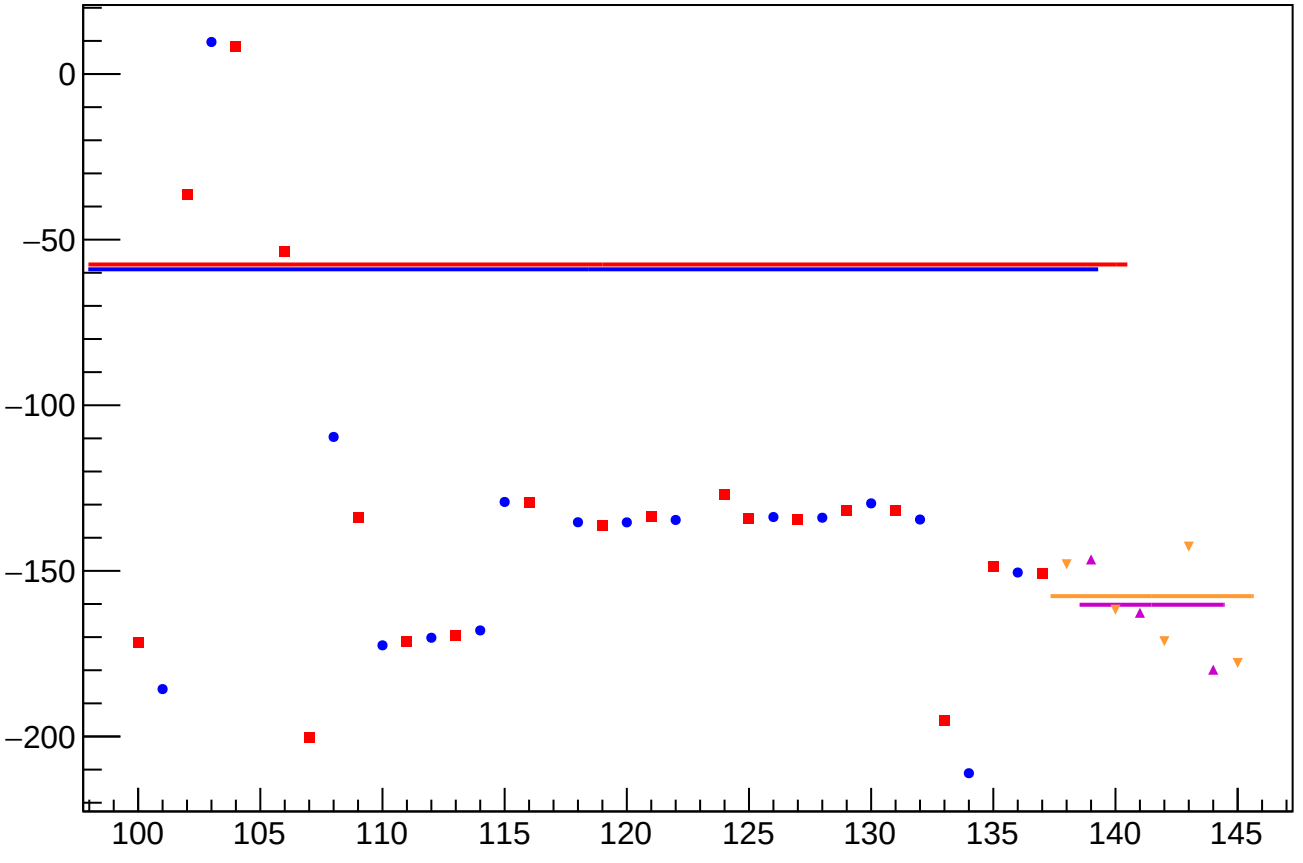
Left In: 61.025+/-3.042 χ^2/NDF:6.0/2

+ sign 52.866+/-1.333 χ^2/NDF: 490.5/20

All: 48.616+/-0.970 χ^2/NDF: 975.3/42

- sign 43.837+/-1.413 χ^2/NDF: 463.1/21

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

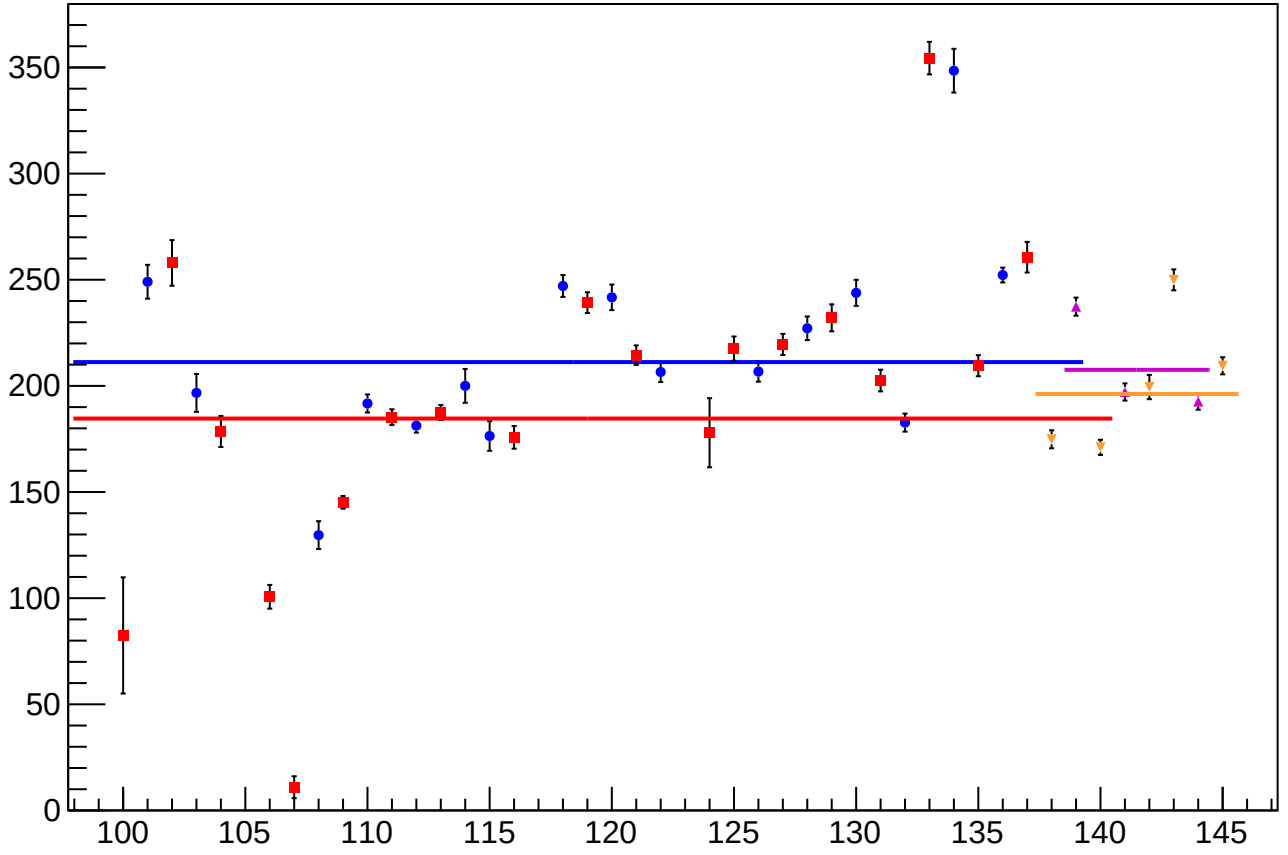
Left In: -160.228+/-0.125 χ^2/NDF:11441.9/2

+ sign -92.761+/-0.059 χ^2/NDF: 1877257.7/20

All: -88.911+/-0.043 χ^2/NDF: 3270238.6/42

- sign -84.387+/-0.064 χ^2/NDF: 1383677.3/21

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

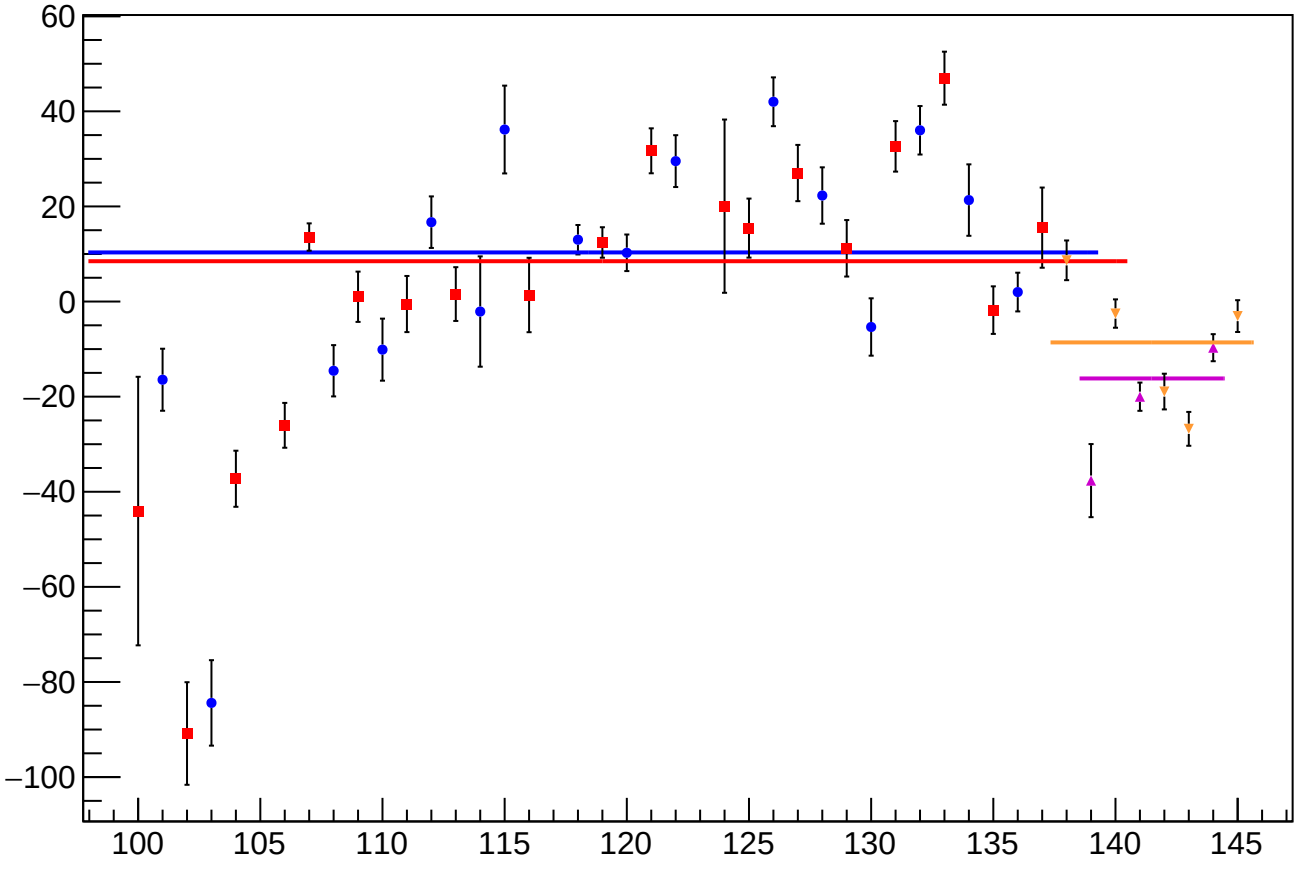
Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 207.568+/-2.336 χ^2/NDF:70.5/2

+ sign 206.556+/-1.077 χ^2/NDF: 1029.5/20

All: 197.851+/-0.757 χ^2/NDF: 3846.0/42

- sign 189.367+/-1.063 χ^2/NDF: 2687.4/21



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

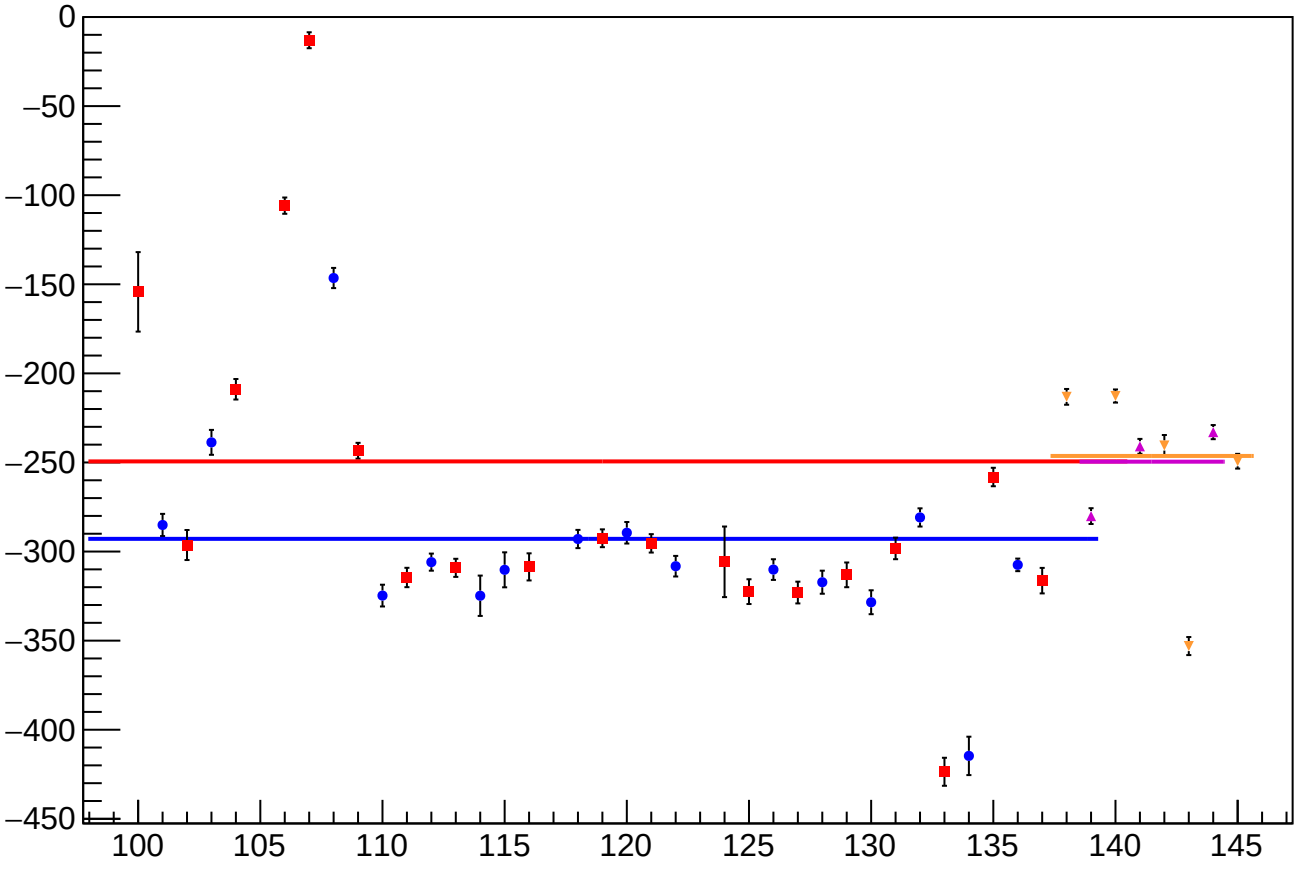
Left In: -16.174+/-1.985 χ^2/NDF:14.7/2

+ sign 2.366+/-1.014 χ^2/NDF: 405.7/20

All: 2.033+/-0.727 χ^2/NDF: 854.7/42

- sign 1.681+/-1.042 χ^2/NDF: 448.7/21

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

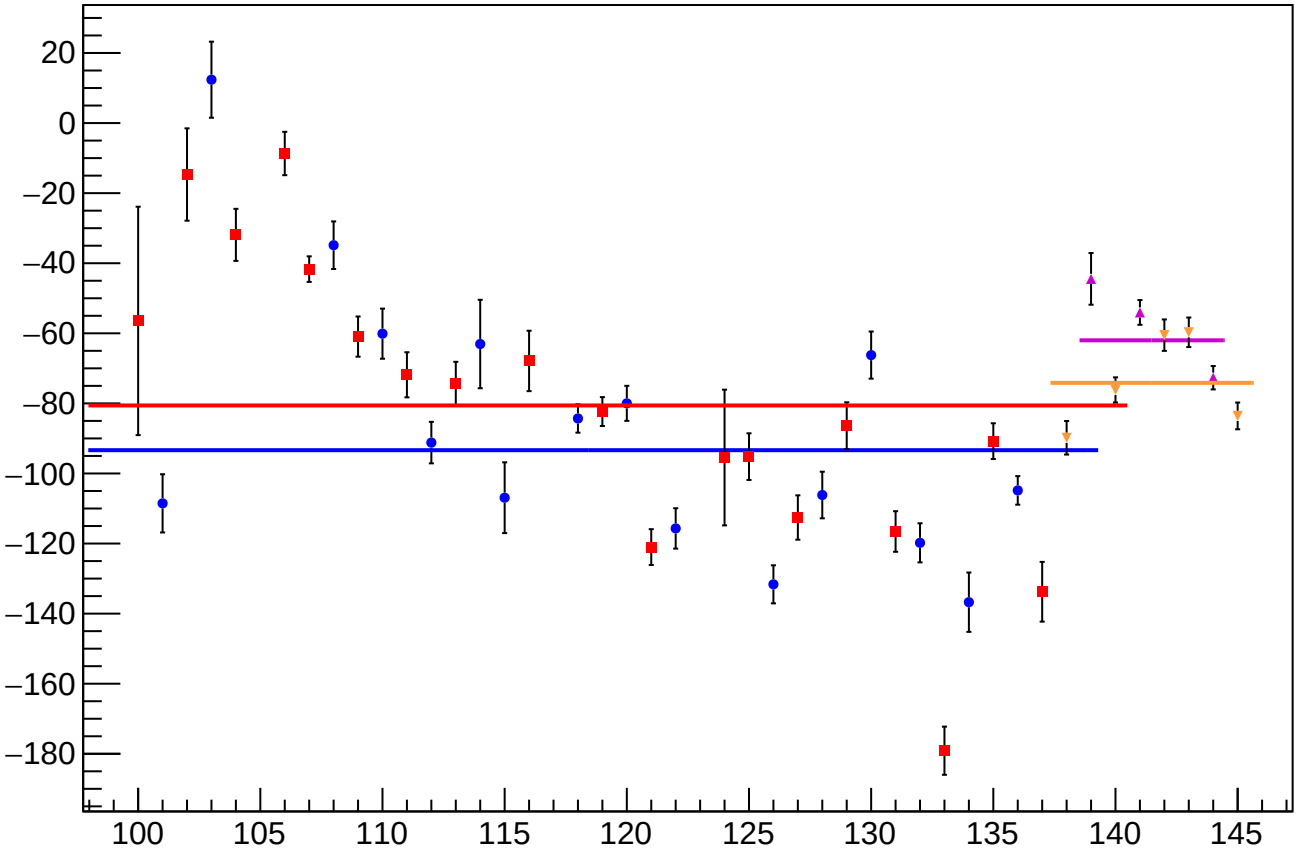
Left In: -249.564+/-2.411 χ^2/NDF:69.2/2

+ sign -276.551+/-1.182 χ^2/NDF: 1921.1/20

All: -263.088+/-0.839 χ^2/NDF: 7619.7/42

- sign -249.445+/-1.190 χ^2/NDF: 5437.6/21

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

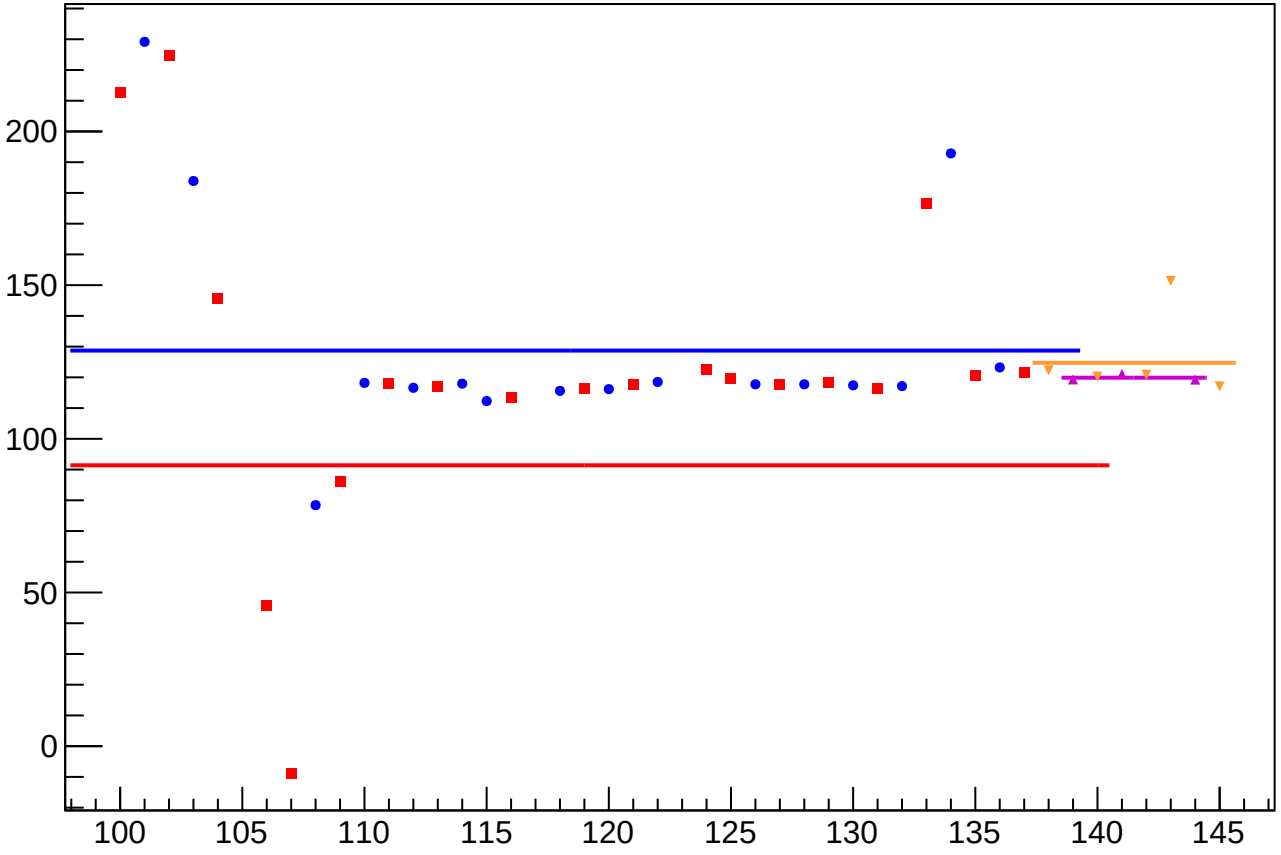
Left In: -61.998+/-2.303 χ^2/NDF:21.0/2

+ sign -85.463+/-1.178 χ^2/NDF: 457.8/20

All: -80.597+/-0.844 χ^2/NDF: 1276.4/42

- sign -75.451+/-1.211 χ^2/NDF: 783.5/21

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

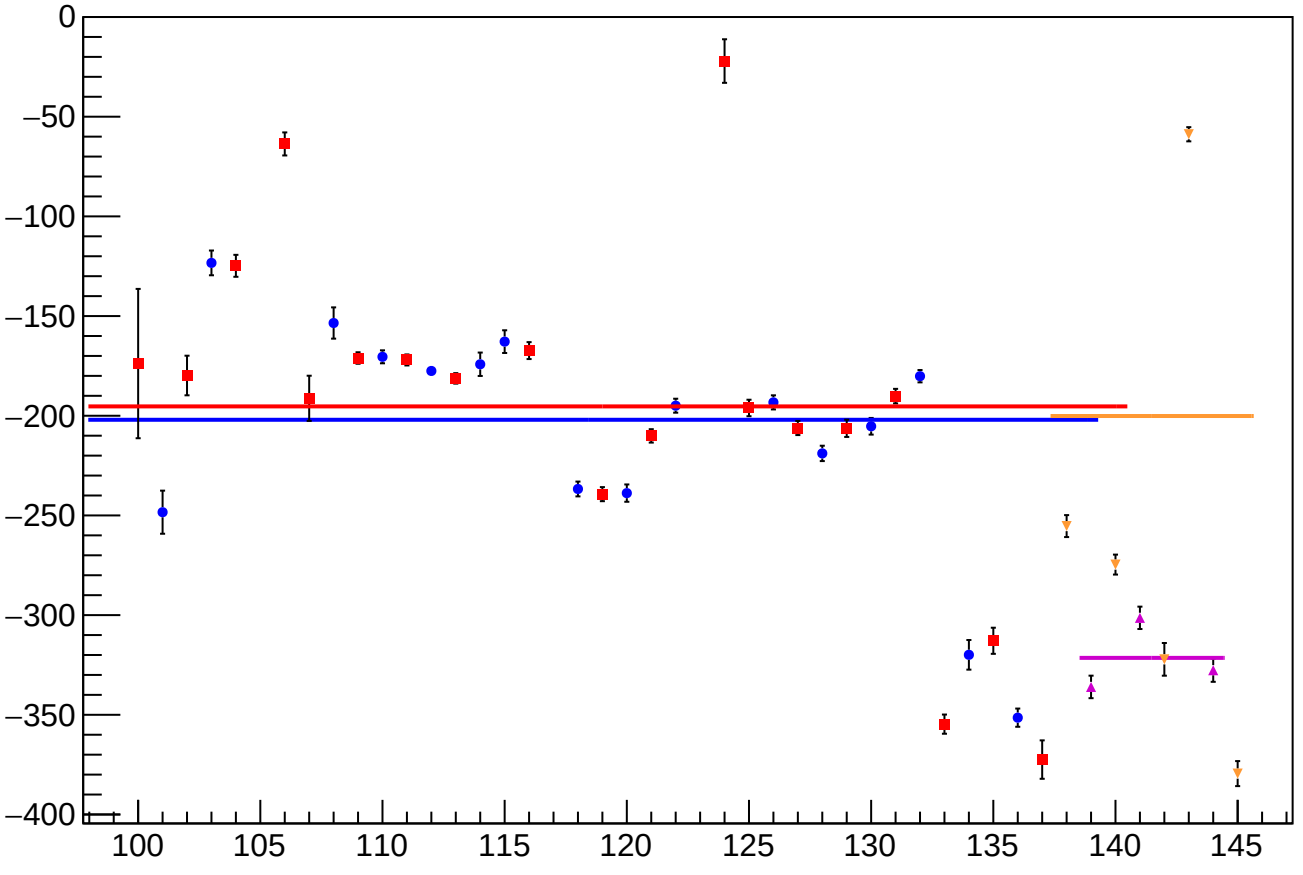
Left In: 119.884+/-0.097 χ^2/NDF:73.6/2

\+ sign 126.585+/-0.061 χ^2/NDF: 203911.3/20

All: 114.778+/-0.043 χ^2/NDF: 937013.4/42

\- sign 102.733+/-0.061 χ^2/NDF: 656728.4/21

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

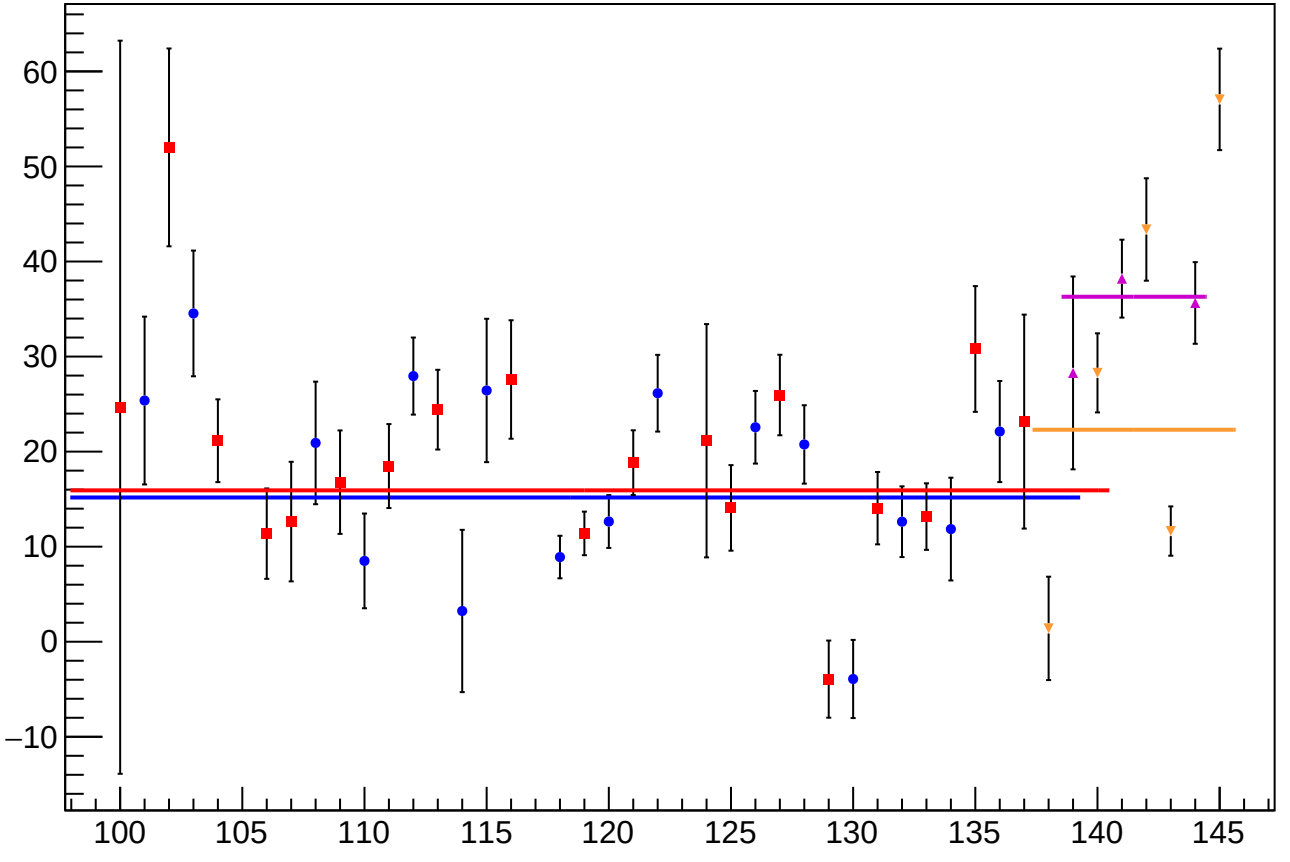
Left In: -321.447+/-3.287 χ^2/NDF:20.6/2

+ sign -201.704+/-0.934 χ^2/NDF: 4978.7/20

All: -203.600+/-0.661 χ^2/NDF: 9462.1/42

- sign -205.495+/-0.934 χ^2/NDF: 4475.1/21

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

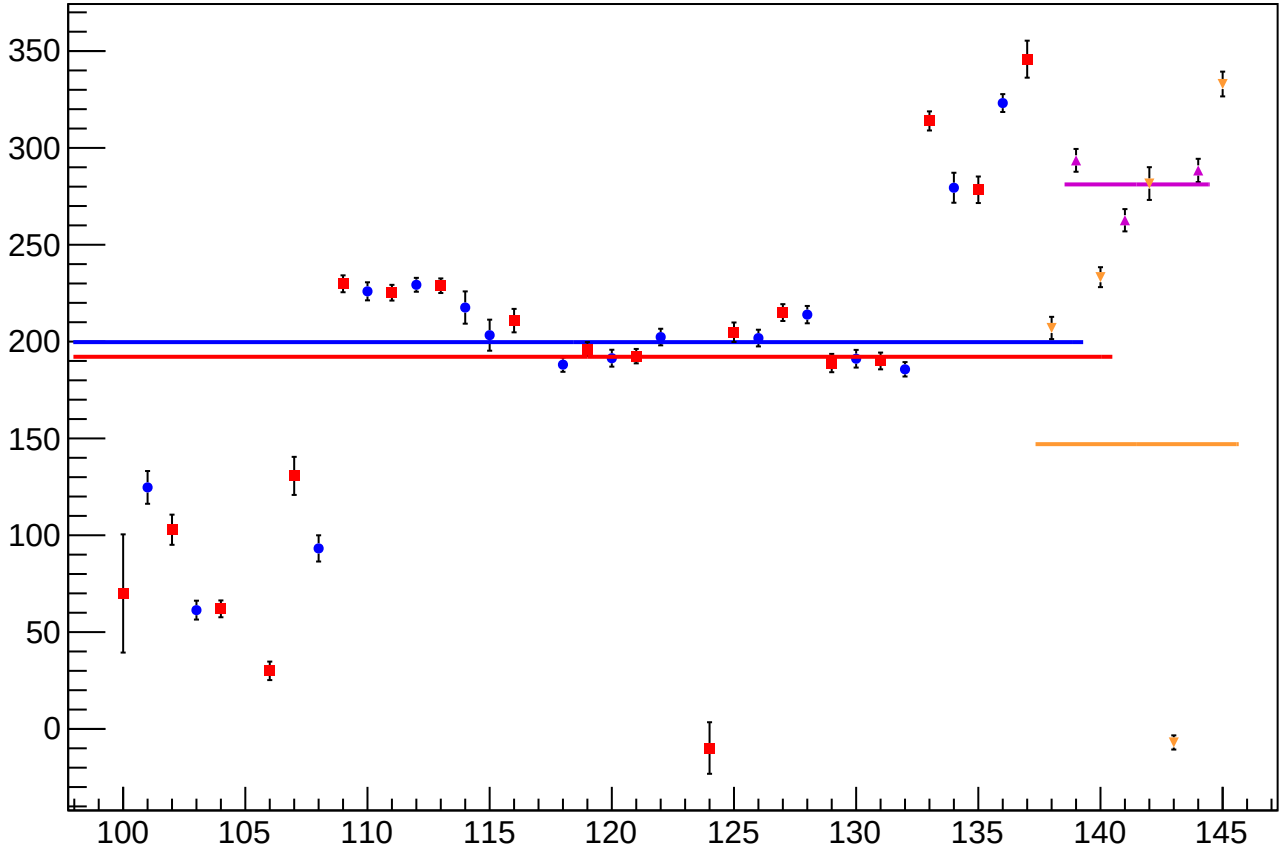
Left In: 36.293+/-2.846 χ^2/NDF:0.9/2

\+ sign 16.984+/-0.905 χ^2/NDF: 175.5/20

All: 17.599+/-0.663 χ^2/NDF: 286.1/42

\- sign 18.312+/-0.974 χ^2/NDF: 109.6/21

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

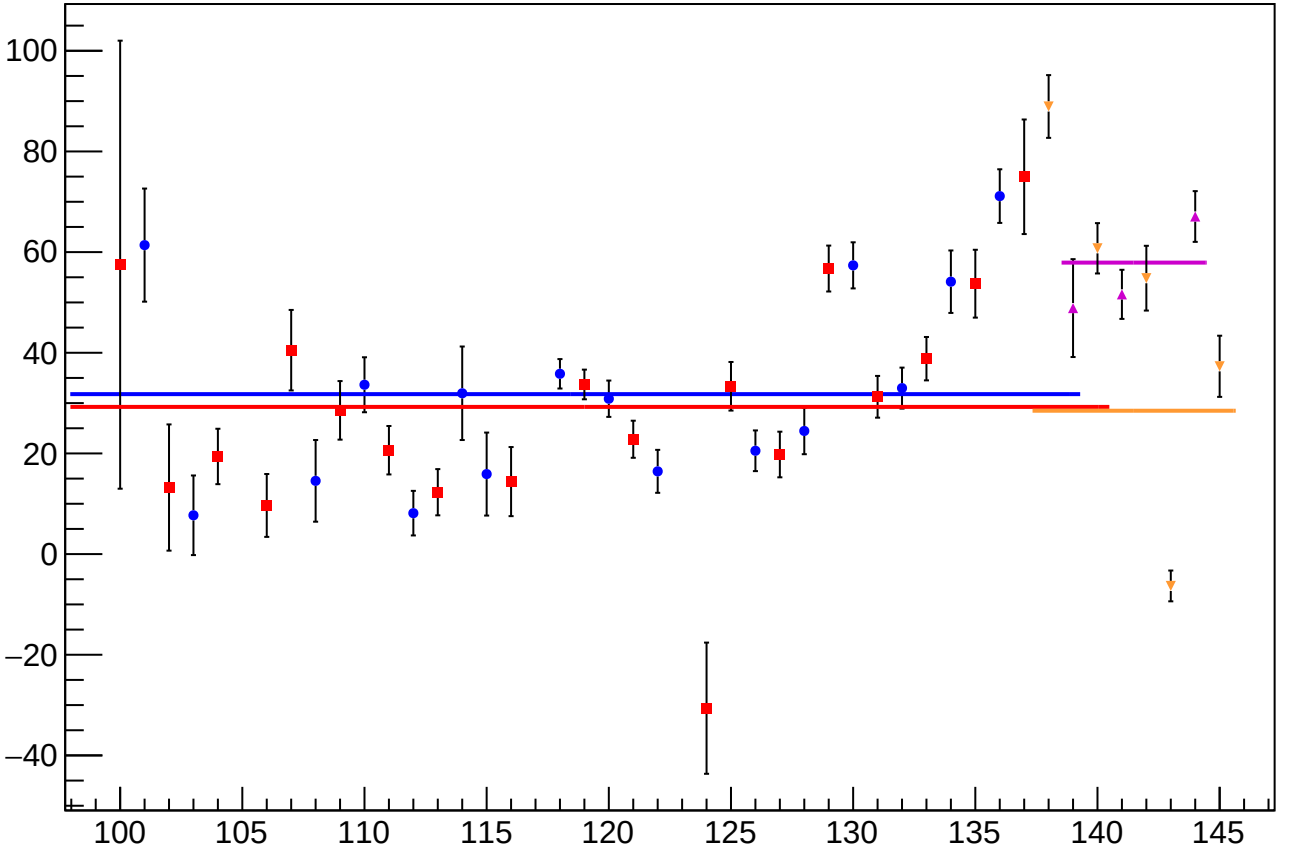
Left In: 281.151+/-3.394 χ^2/NDF:16.2/2

+ sign 188.887+/-1.066 χ^2/NDF: 5759.6/20

All: 194.969+/-0.762 χ^2/NDF: 10236.2/42

- sign 201.327+/-1.090 χ^2/NDF: 4410.0/21

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

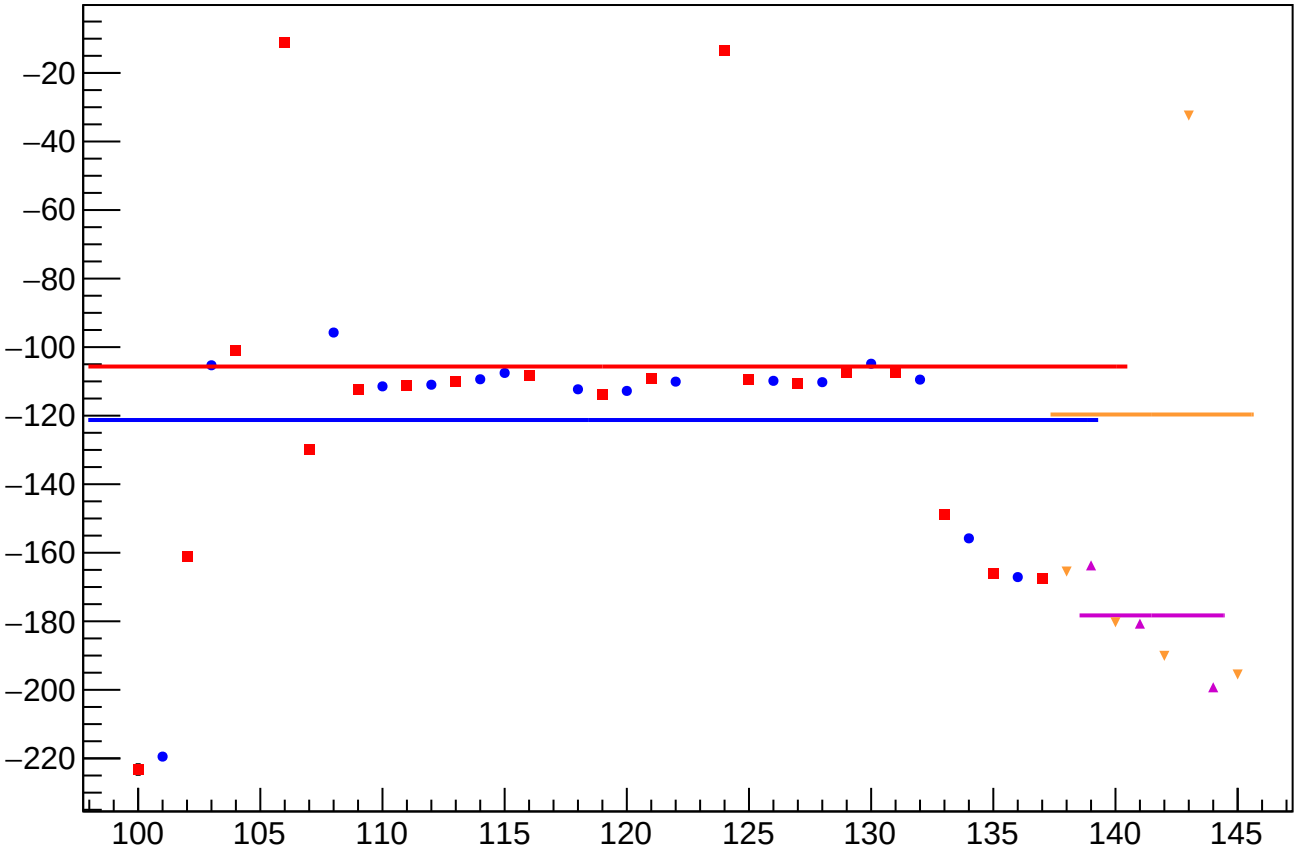
Left In: 57.914+/-3.298 χ^2/NDF:5.8/2

+ sign 30.962+/-1.054 χ^2/NDF: 462.9/20

All: 31.719+/-0.769 χ^2/NDF: 677.5/42

- sign 32.580+/-1.125 χ^2/NDF: 213.5/21

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

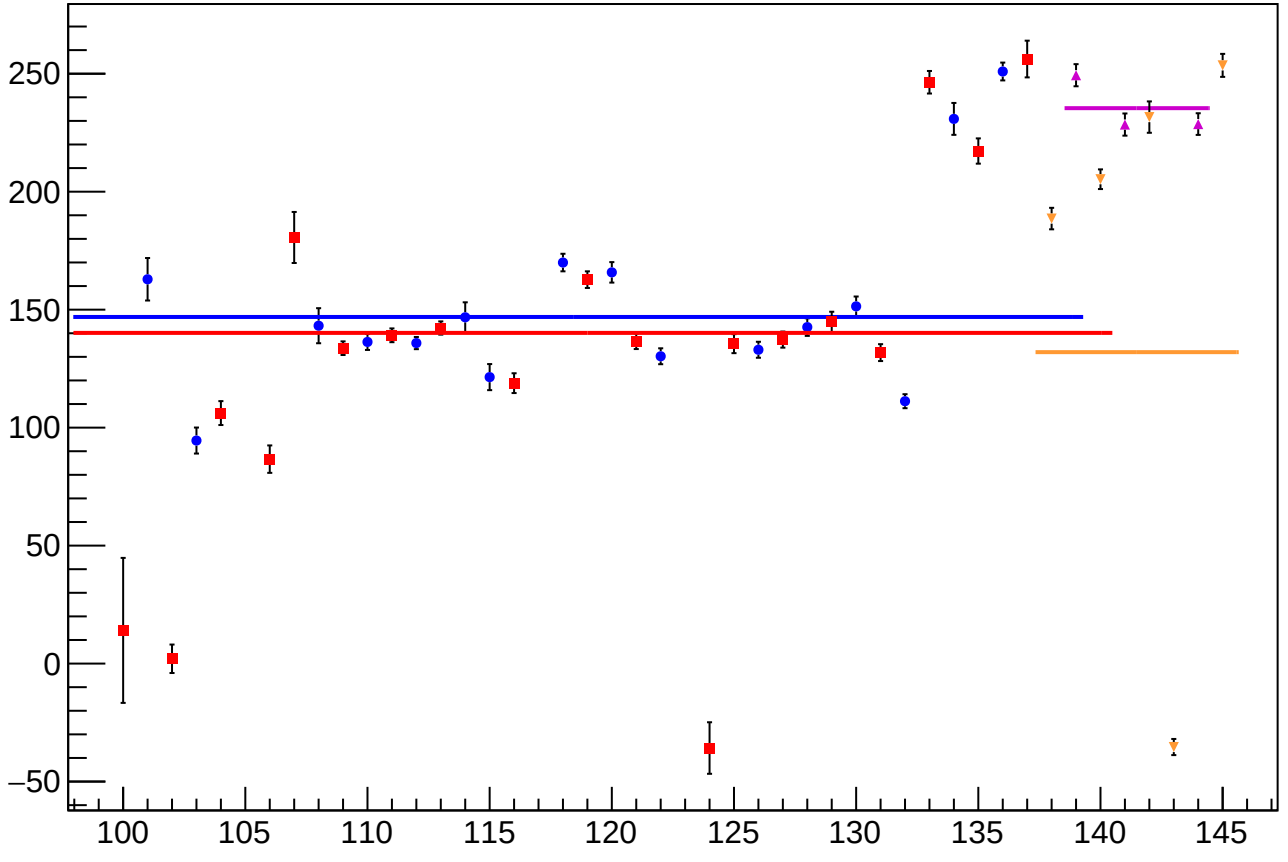
Left In: -178.283+/-0.135 χ^2/NDF:11029.6/2

+ sign -120.629+/-0.062 χ^2/NDF: 689075.2/20

All: -121.555+/-0.045 χ^2/NDF: 1276149.4/42

- sign -122.602+/-0.065 χ^2/NDF: 586591.6/21

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

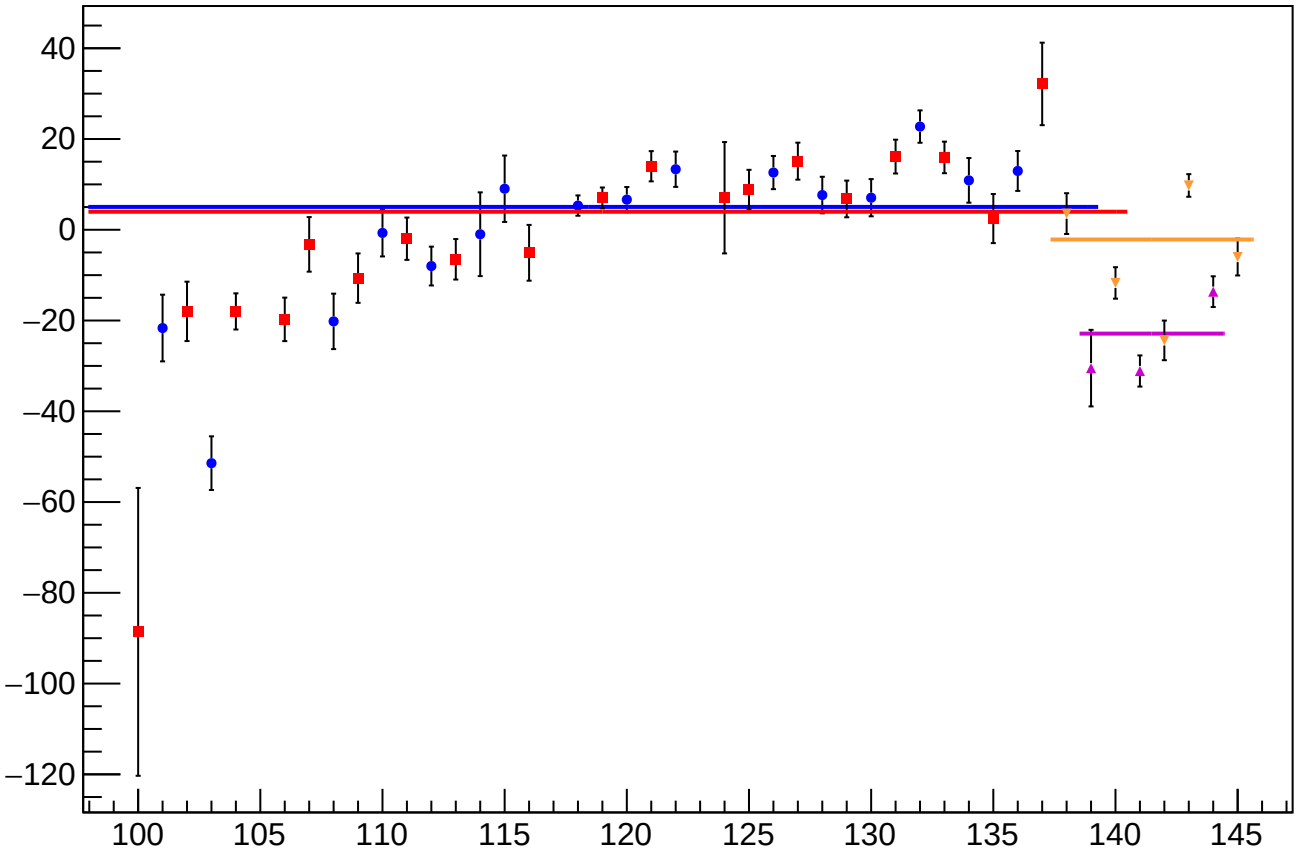
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 235.398+/-2.689 χ^2/NDF:13.2/2

+ sign 143.850+/-0.895 χ^2/NDF: 5054.0/20

All: 147.347+/-0.636 χ^2/NDF: 8161.3/42

- sign 150.920+/-0.904 χ^2/NDF: 3076.4/21



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

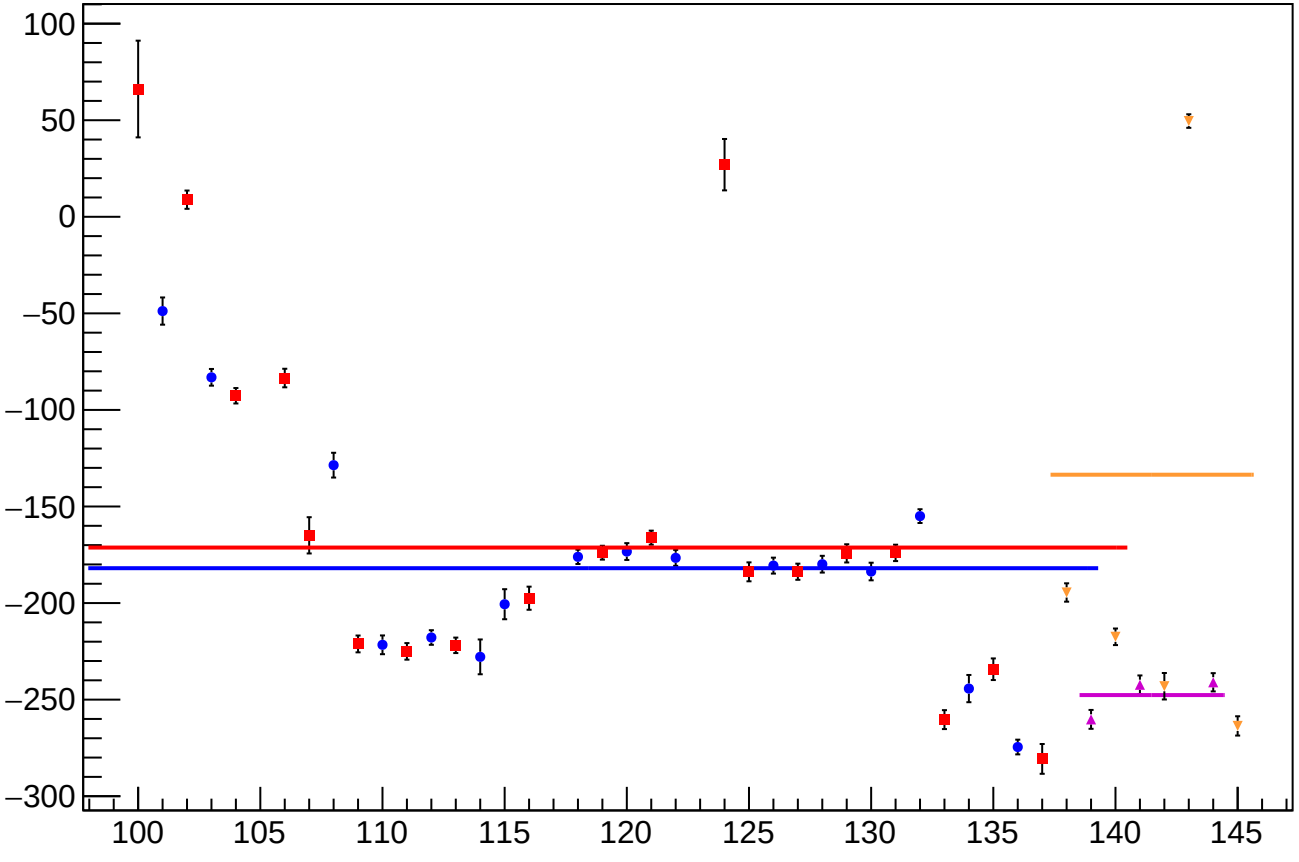
Left In: -22.884+/-2.319 χ^2/NDF:14.0/2

+ sign 2.900+/-0.856 χ^2/NDF: 245.4/20

All: 1.419+/-0.629 χ^2/NDF: 523.6/42

- sign -0.323+/-0.927 χ^2/NDF: 271.6/21

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

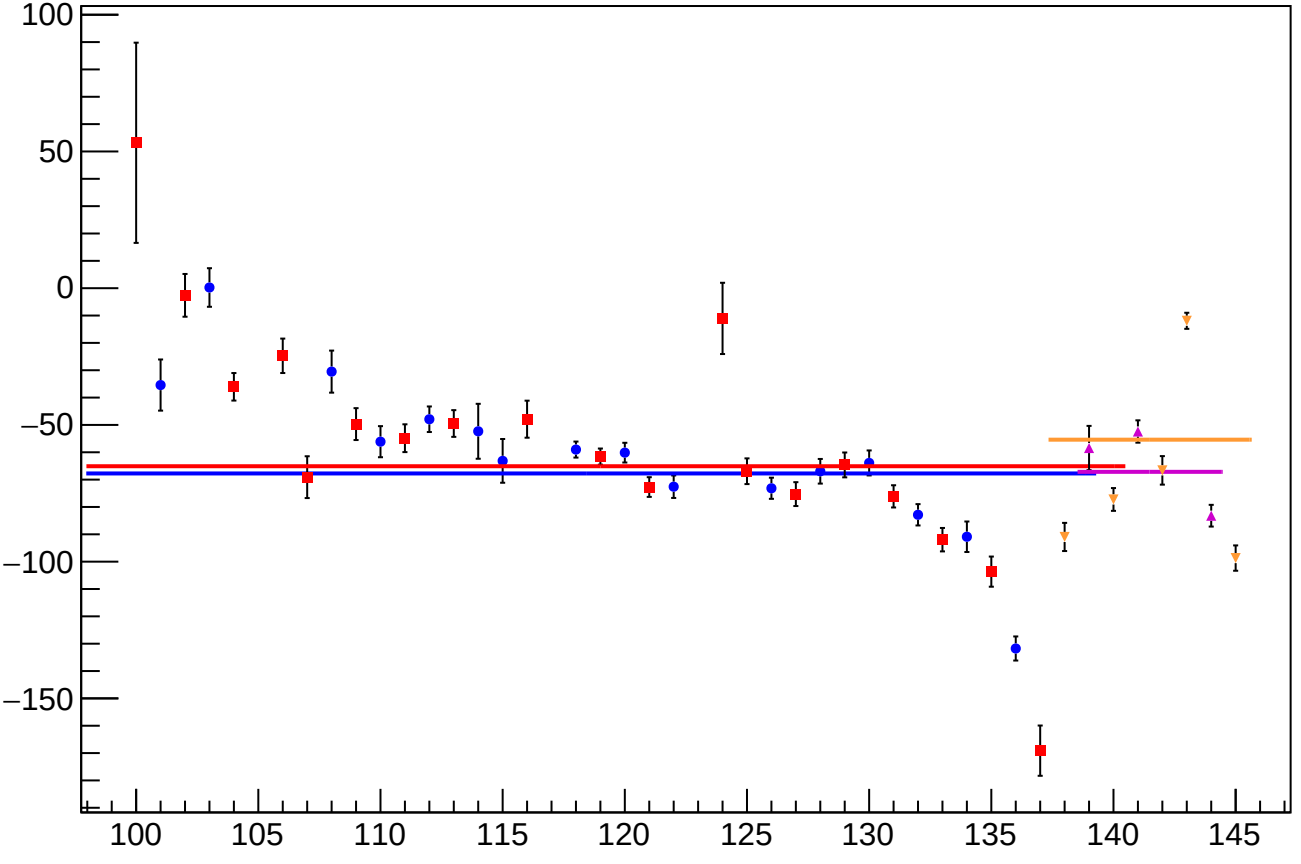
Left In: -247.640+/-2.777 χ^2/NDF:9.8/2

+ sign -170.191+/-1.004 χ^2/NDF: 6490.3/20

All: -175.839+/-0.720 χ^2/NDF: 10845.3/42

- sign -181.801+/-1.032 χ^2/NDF: 4290.0/21

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

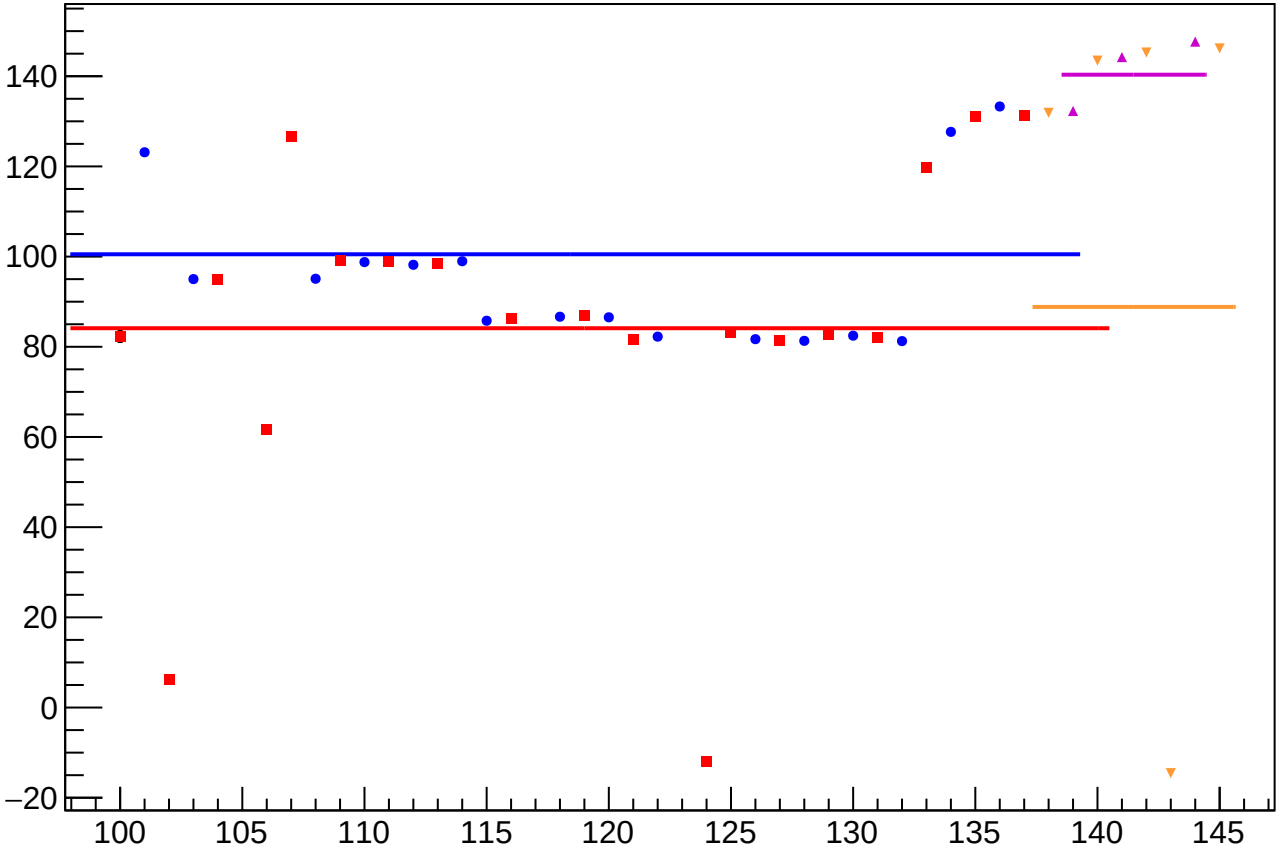
Left In: -67.154+/-2.686 χ^2/NDF:30.5/2

+ sign -64.151+/-0.994 χ^2/NDF: 831.8/20

All: -64.743+/-0.728 χ^2/NDF: 1292.6/42

- sign -65.430+/-1.070 χ^2/NDF: 460.0/21

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

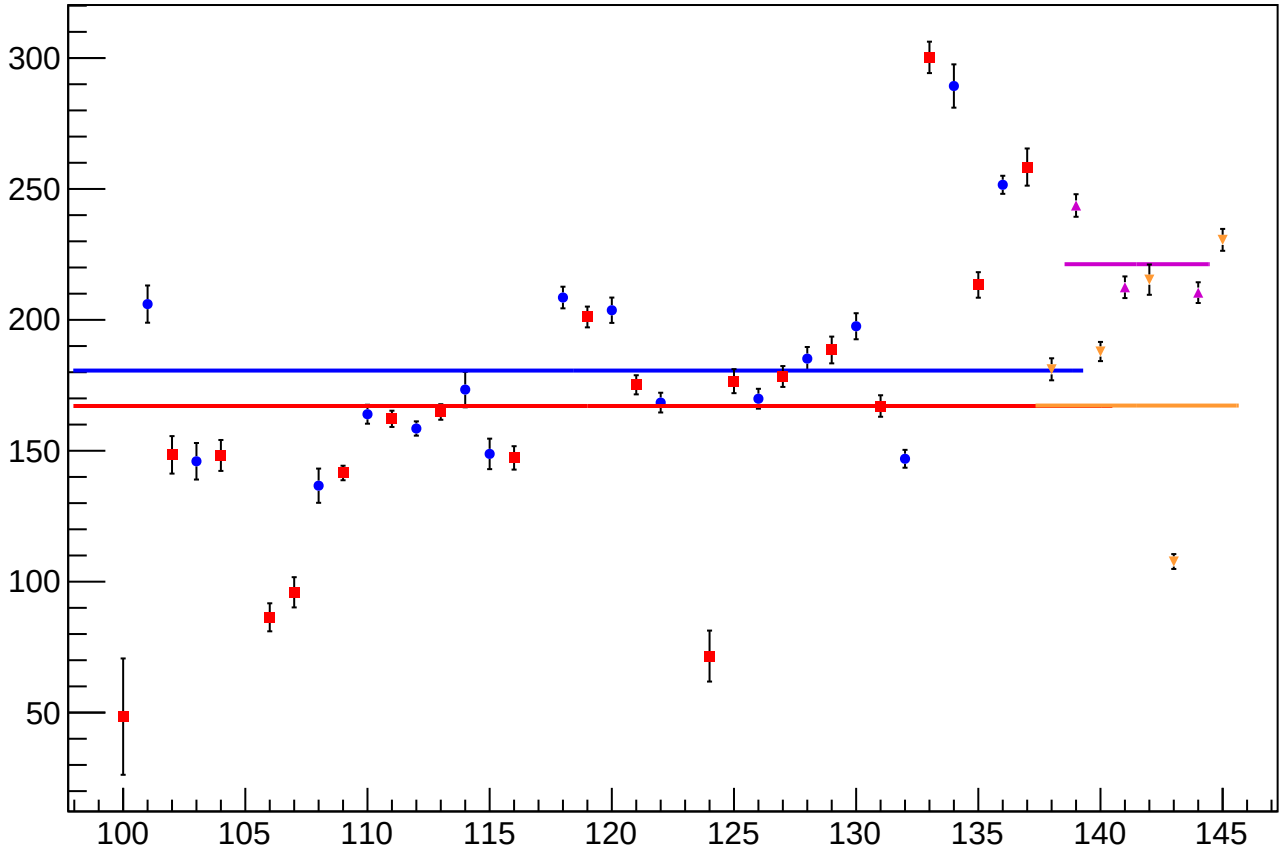
Left In: 140.336+/-0.111 χ^2/NDF:3721.0/2

+ sign 95.454+/-0.056 χ^2/NDF: 836500.8/20

All: 97.520+/-0.040 χ^2/NDF: 1291270.6/42

- sign 99.821+/-0.059 χ^2/NDF: 451858.1/21

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

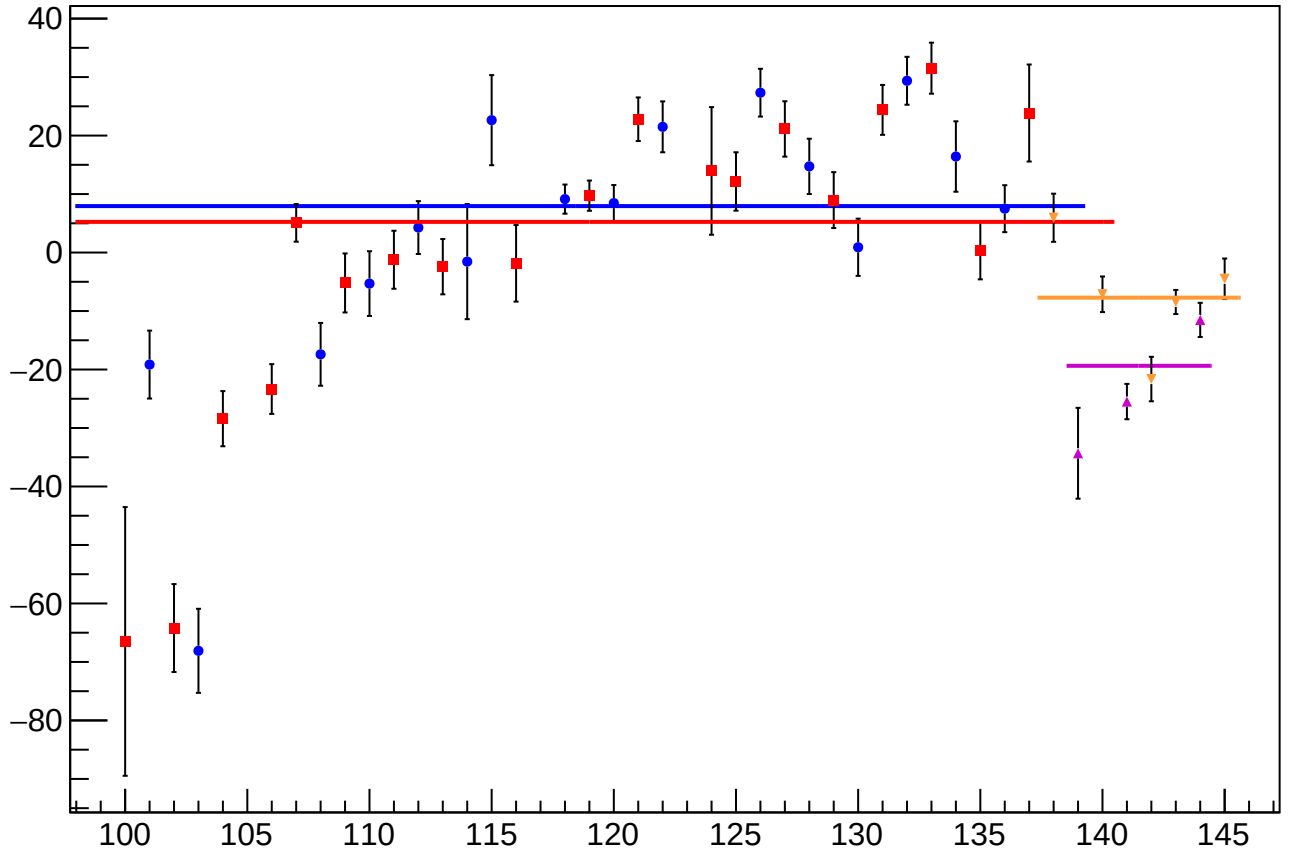
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 221.260+/-2.383 χ^2/NDF:39.1/2

+ sign 176.775+/-0.919 χ^2/NDF: 1817.0/20

All: 176.149+/-0.657 χ^2/NDF: 3778.0/42

- sign 175.497+/-0.938 χ^2/NDF: 1960.0/21



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

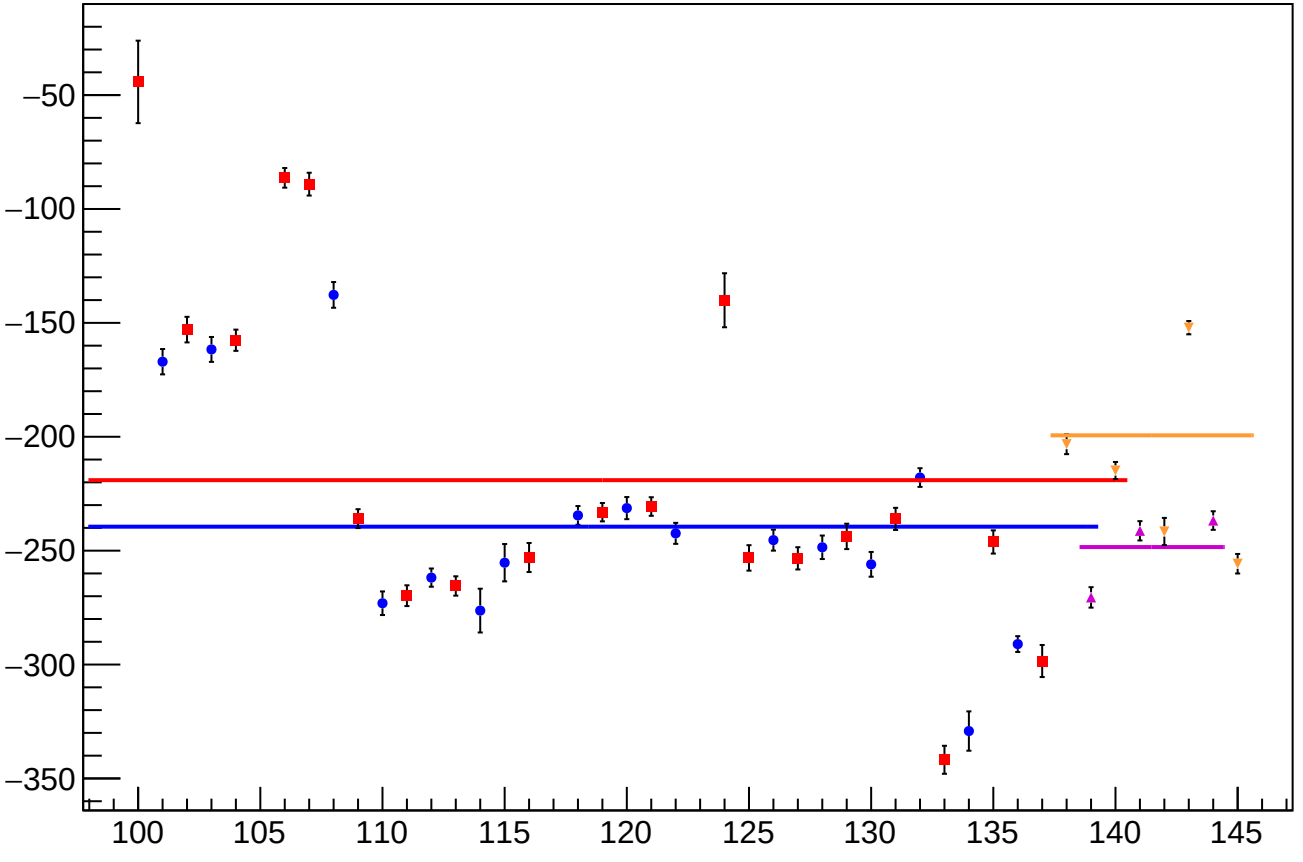
Left In: -19.365+/-2.028 χ^2/NDF:15.0/2

\+ sign 1.563+/-0.857 χ^2/NDF: 338.9/20

All: 0.831+/-0.634 χ^2/NDF: 774.1/42

\- sign -0.053+/-0.941 χ^2/NDF: 433.5/21

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

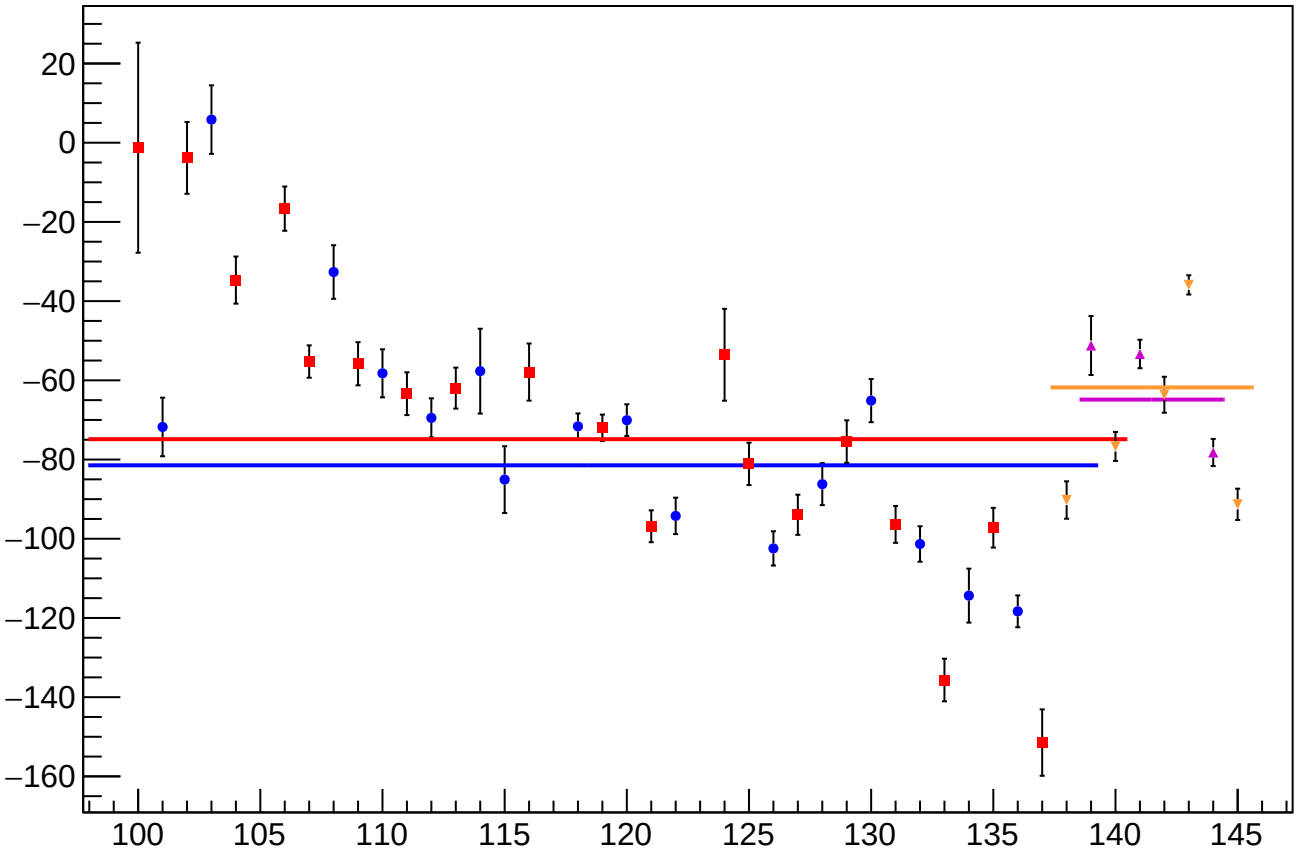
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -248.416+/-2.460 χ^2/NDF:35.2/2

+ sign -226.118+/-1.017 χ^2/NDF: 2008.9/20

All: -225.351+/-0.734 χ^2/NDF: 5210.5/42

- sign -224.516+/-1.061 χ^2/NDF: 3200.4/21



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

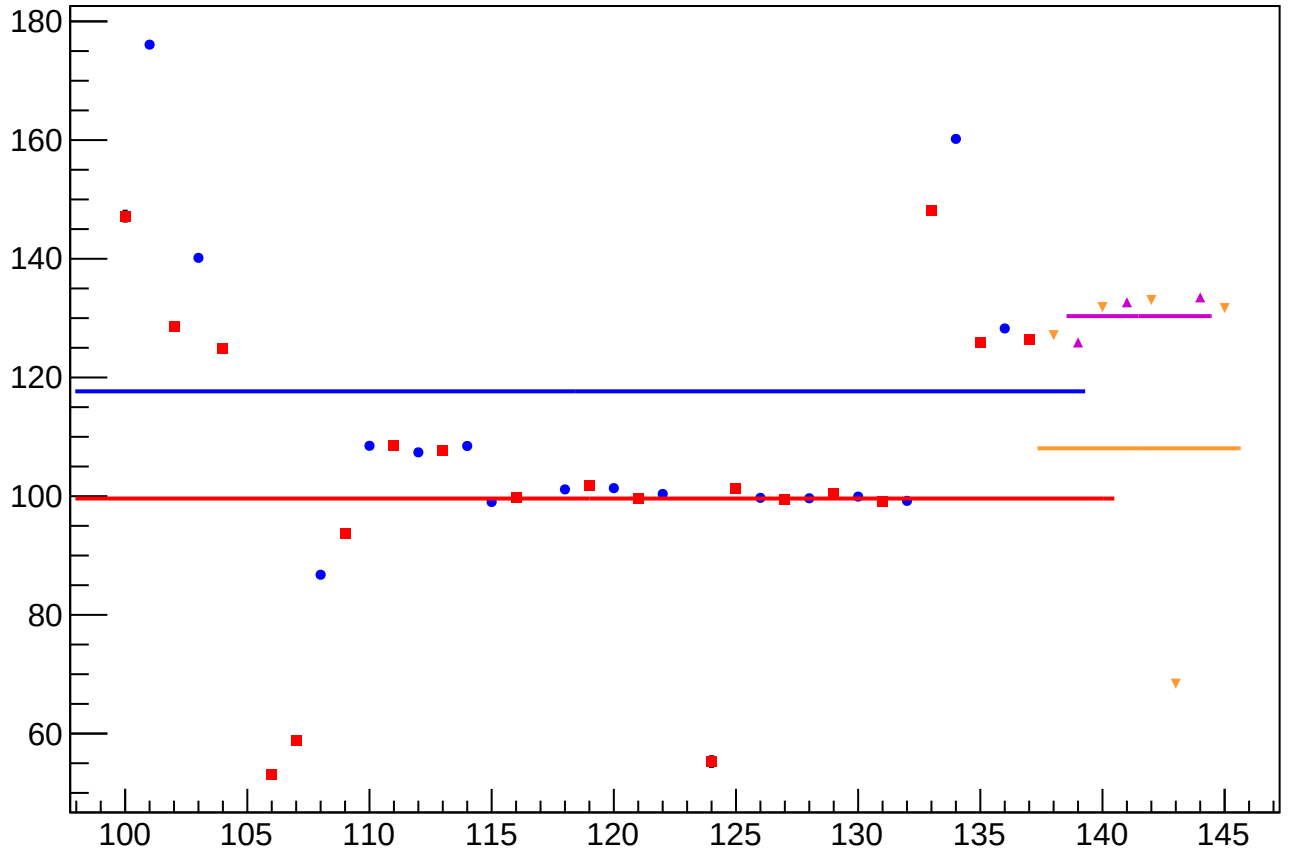
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.863+/-2.354 χ^2/NDF:28.8/2

\+ sign -73.619+/-0.998 χ^2/NDF: 681.2/20

All: -73.208+/-0.736 χ^2/NDF: 1301.2/42

\- sign -72.717+/-1.090 χ^2/NDF: 619.6/21



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

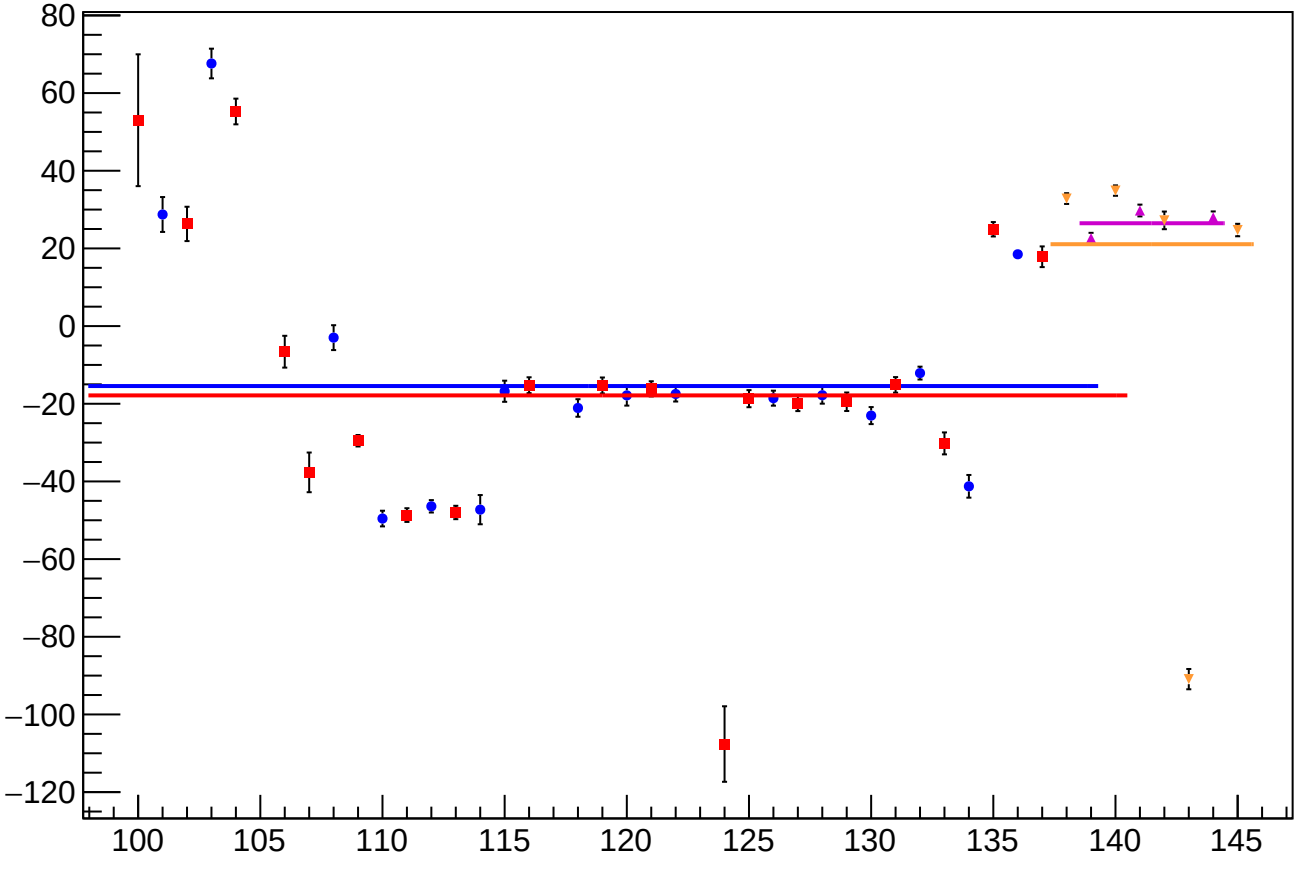
Left In: 130.338+/-0.099 χ^2/NDF:1245.3/2

+ sign 112.553+/-0.053 χ^2/NDF: 271065.1/20

All: 111.319+/-0.039 χ^2/NDF: 503726.6/42

- sign 109.903+/-0.057 χ^2/NDF: 231519.2/21

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

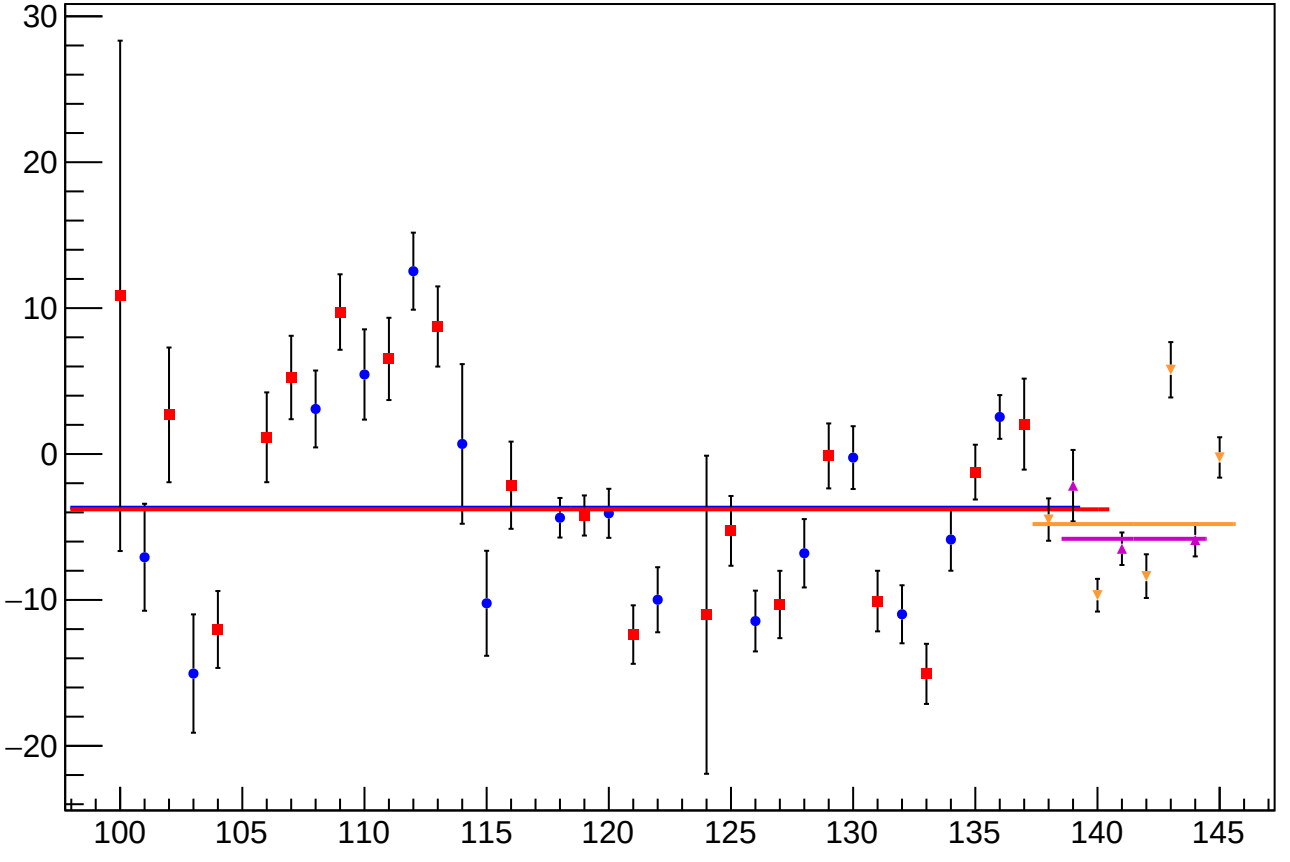
Left In: 26.482+/-0.843 χ^2/NDF:13.6/2

+ sign -2.868+/-0.437 χ^2/NDF: 5732.4/20

All: -4.054+/-0.313 χ^2/NDF: 9868.6/42

- sign -5.305+/-0.448 χ^2/NDF: 4121.0/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -4.801+/-0.630 χ^2/NDF:66.6/4

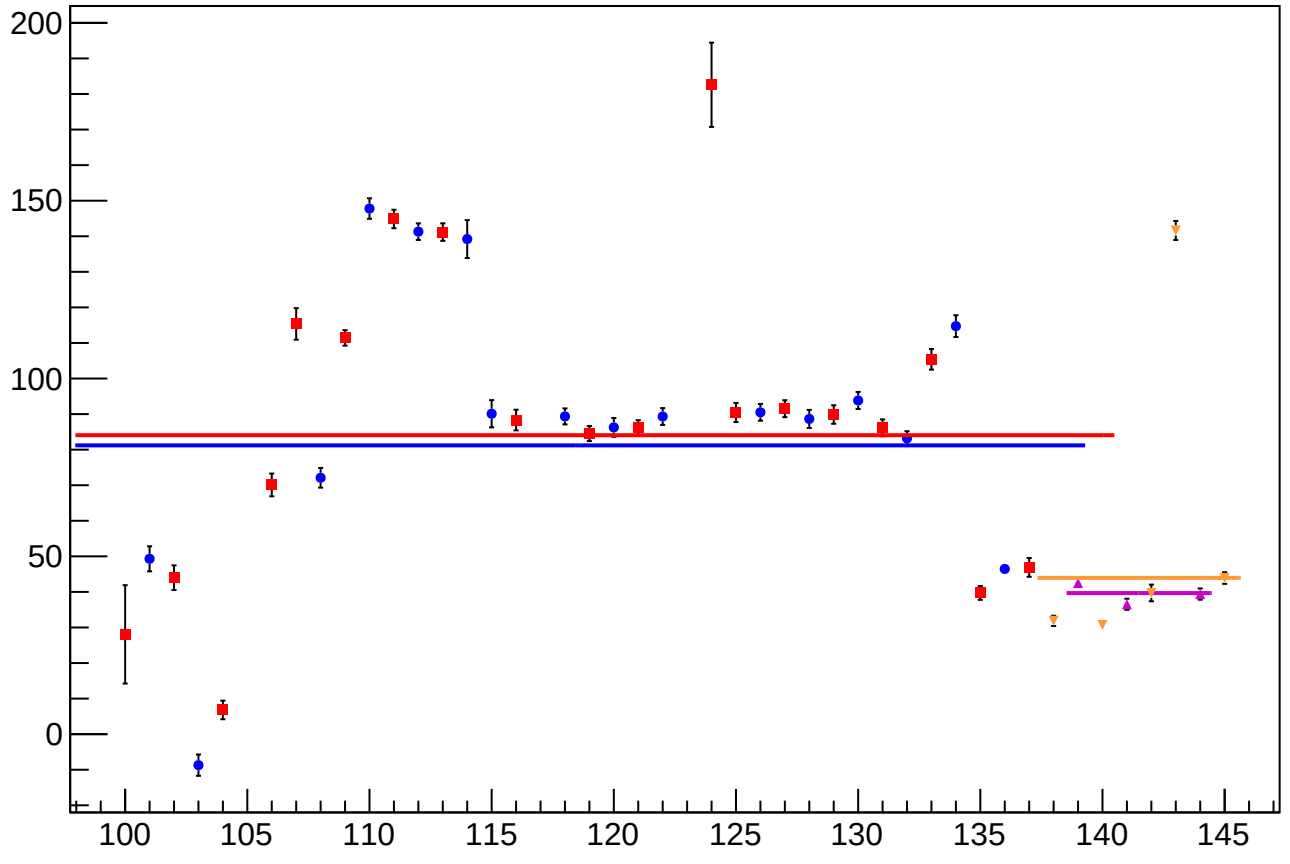
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -5.810+/-0.755 χ^2/NDF:2.6/2

+ sign -4.166+/-0.415 χ^2/NDF: 192.4/20

All: -4.325+/-0.306 χ^2/NDF: 361.1/42

- sign -4.513+/-0.452 χ^2/NDF: 168.4/21



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.951+/-0.767 χ^2/NDF:1486.8/4

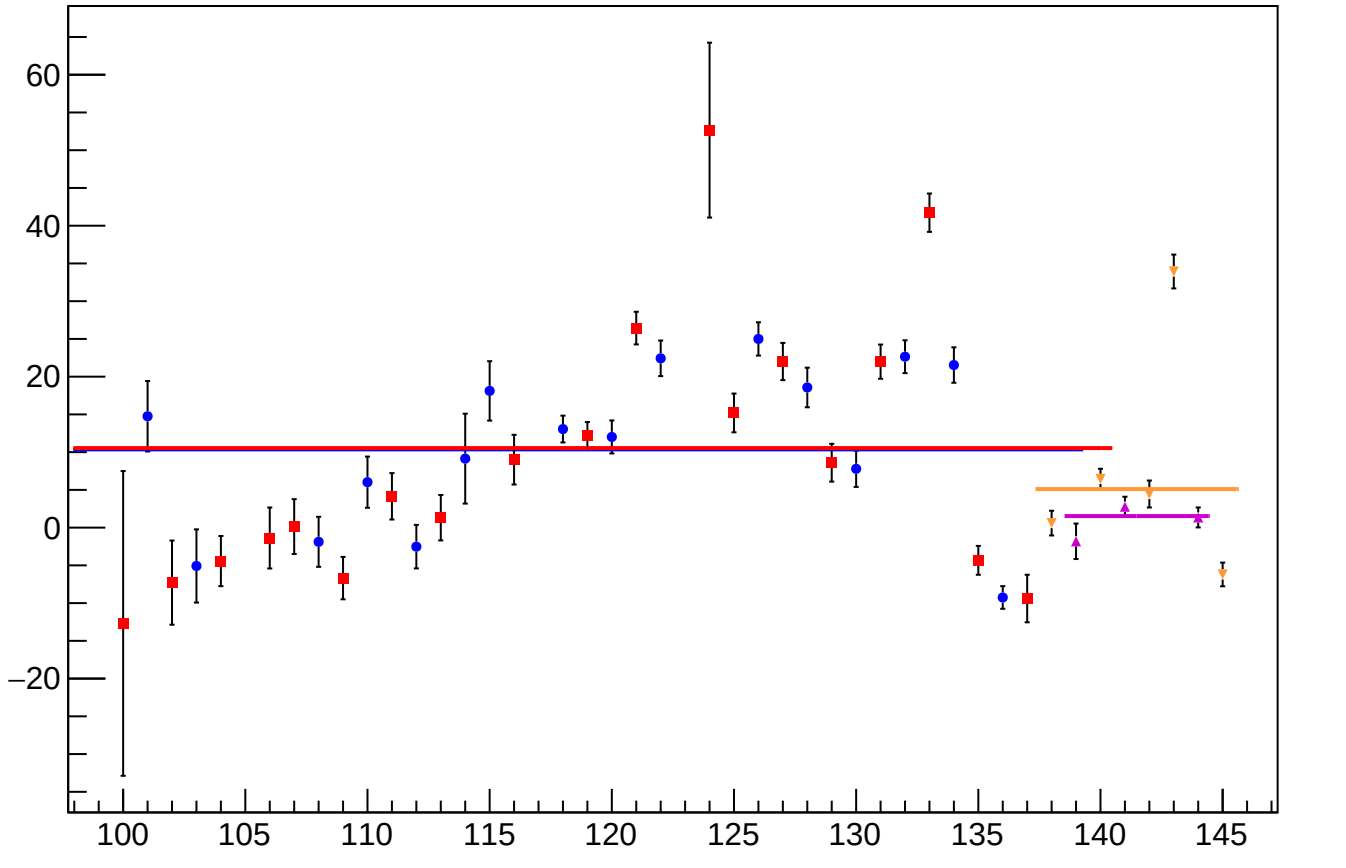
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.677+/-0.871 χ^2/NDF:8.1/2

+ sign 66.856+/-0.476 χ^2/NDF: 6167.6/20

All: 67.992+/-0.346 χ^2/NDF: 11124.5/42

- sign 69.261+/-0.503 χ^2/NDF: 4944.8/21



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

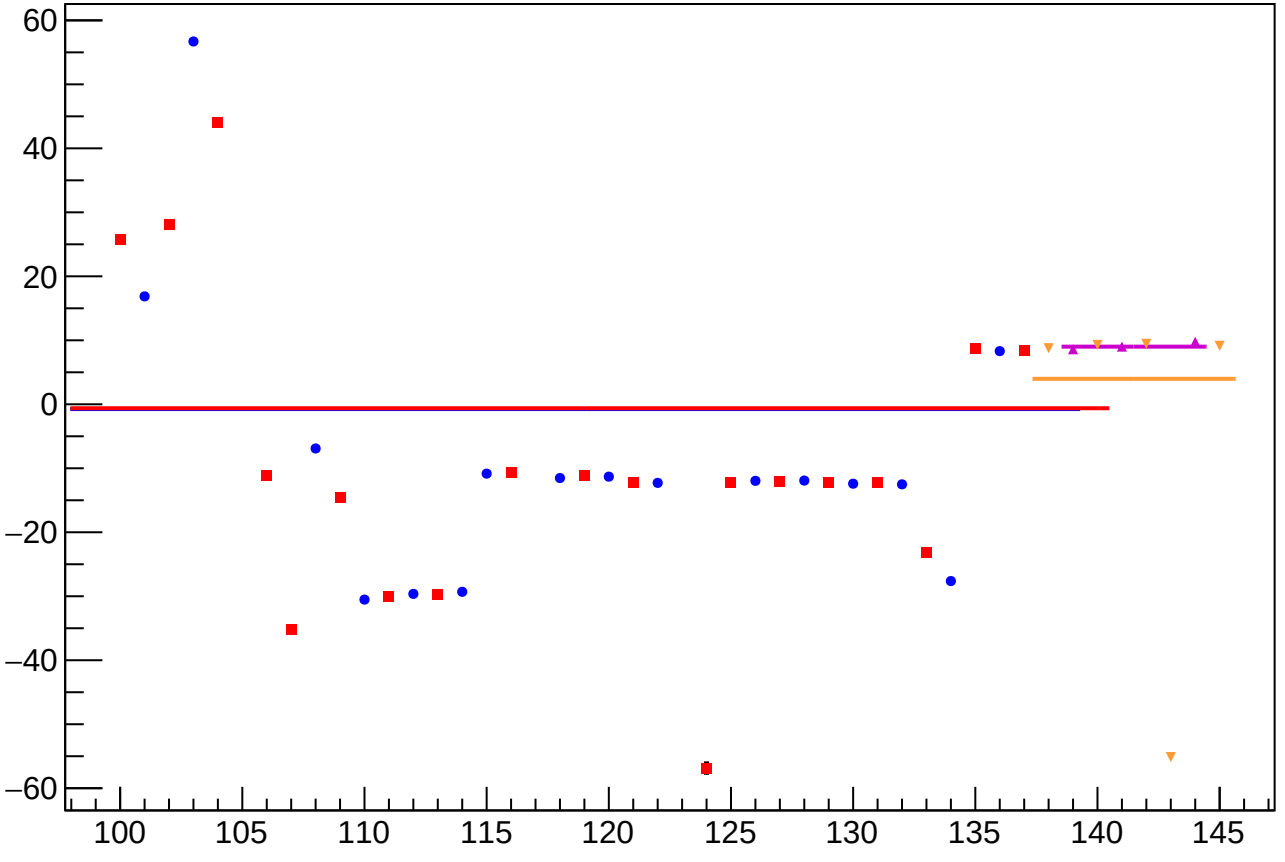
Left In: 1.531+/-0.869 χ^2/NDF:2.9/2

+ sign 8.155+/-0.477 χ^2/NDF: 615.6/20

All: 7.791+/-0.350 χ^2/NDF: 1160.2/42

- sign 7.367+/-0.515 χ^2/NDF: 543.4/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.980+/-0.032 χ^2/NDF:304062.5/4

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

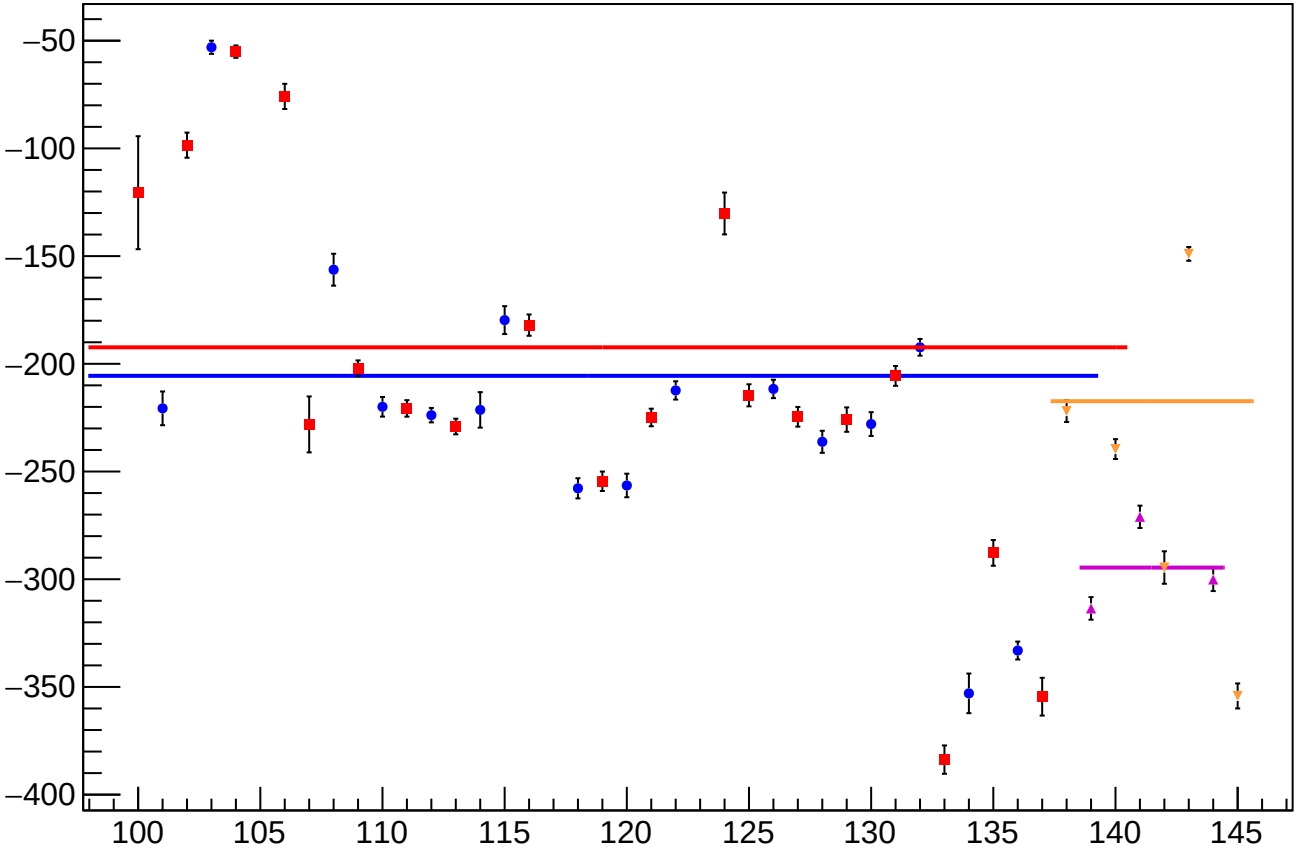
Left In: 9.007+/-0.034 χ^2/NDF:184.6/2

+ sign 1.922+/-0.024 χ^2/NDF: 681844.8/20

All: 3.164+/-0.017 χ^2/NDF: 1040329.0/42

- sign 4.582+/-0.025 χ^2/NDF: 352593.4/21

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

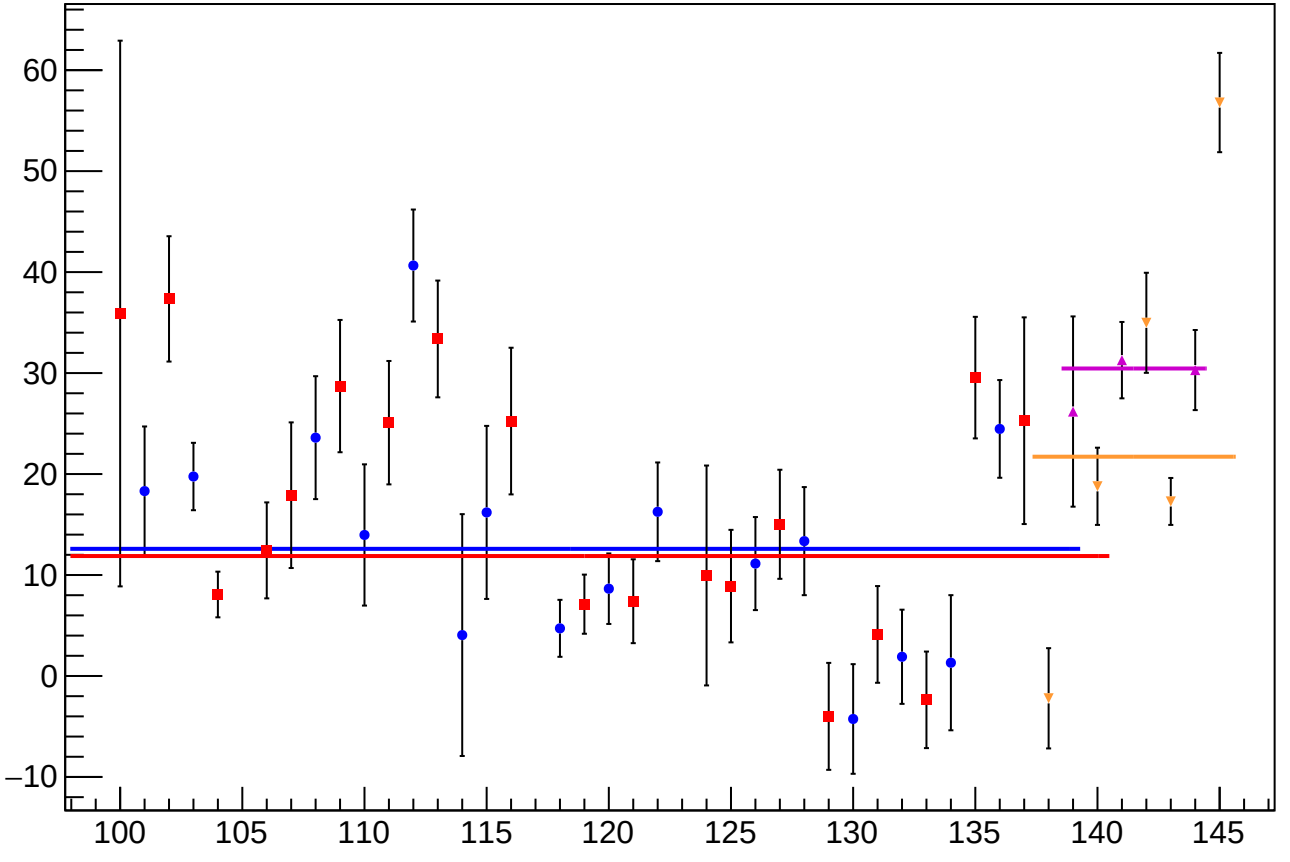
Left In: -294.597+/-3.041 χ^2/NDF:34.8/2

+ sign -208.454+/-1.030 χ^2/NDF: 5218.7/20

All: -206.573+/-0.736 χ^2/NDF: 11225.2/42

- sign -204.606+/-1.053 χ^2/NDF: 5999.6/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



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

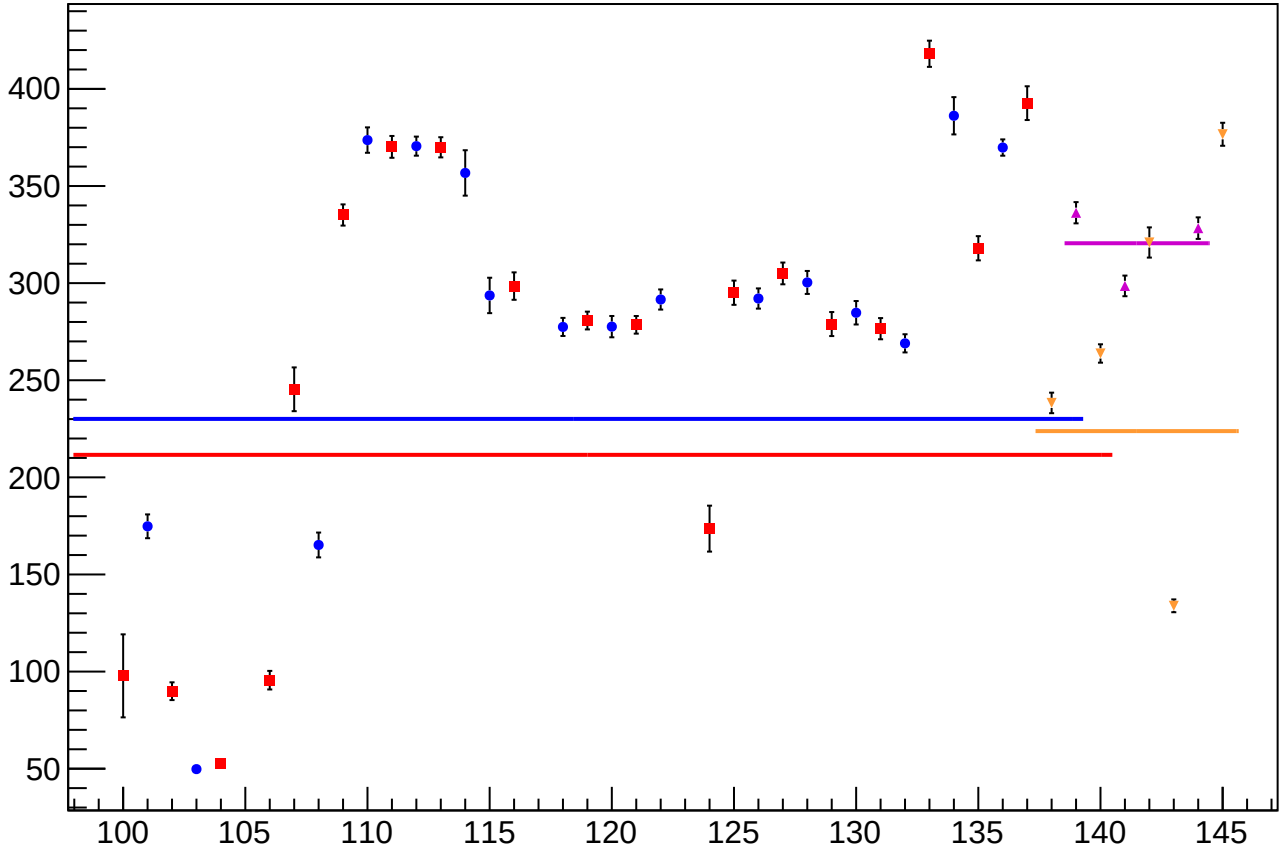
Left In: 30.452+/-2.629 χ^2/NDF:0.3/2

+ sign 15.807+/-0.968 χ^2/NDF: 174.3/20

All: 15.308+/-0.706 χ^2/NDF: 302.3/42

- sign 14.740+/-1.032 χ^2/NDF: 127.4/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 223.813+/-2.145 χ^2/NDF:1644.2/4

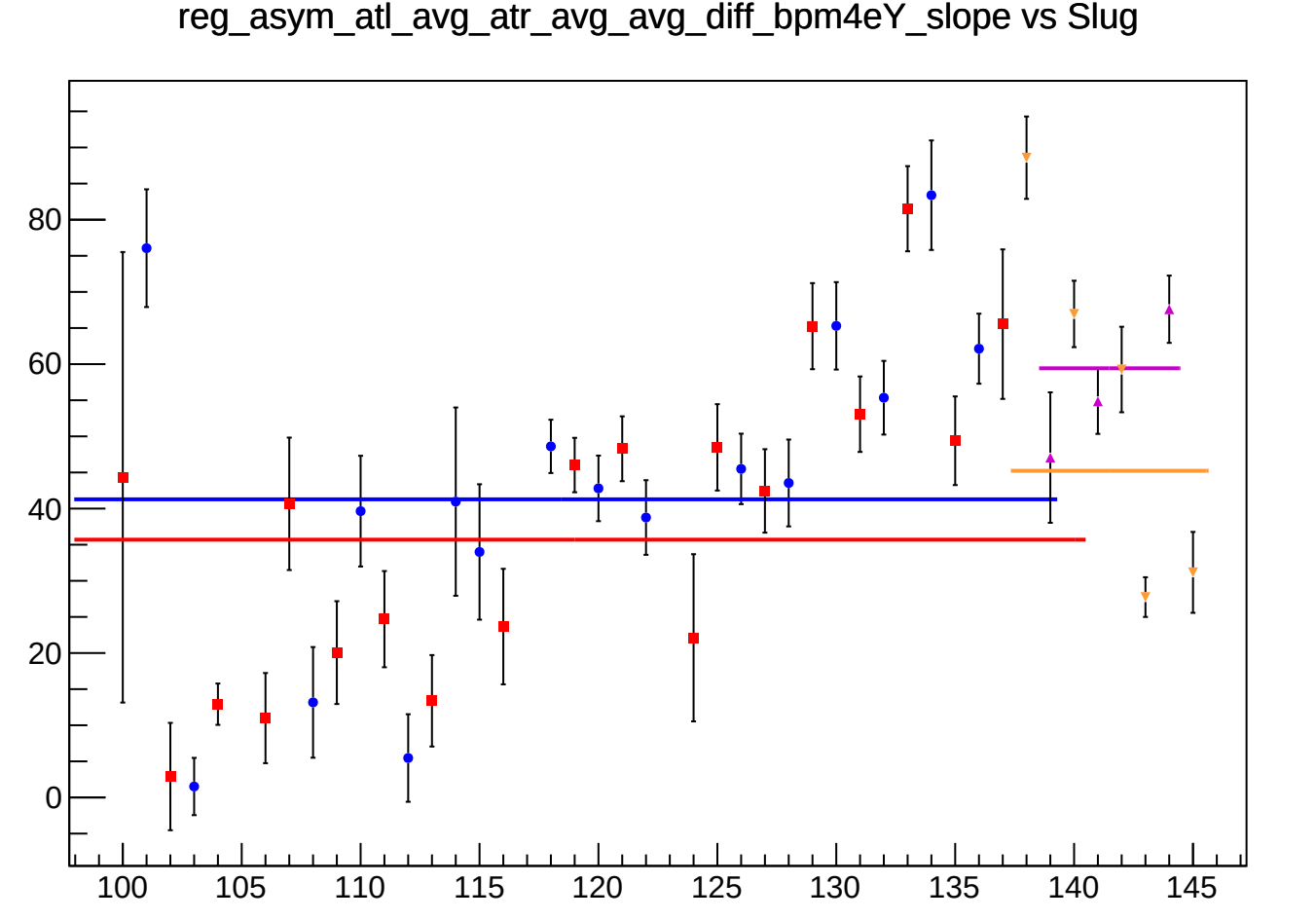
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 320.536+/-3.140 χ^2/NDF:27.3/2

+ sign 228.484+/-1.086 χ^2/NDF: 11026.2/20

All: 226.973+/-0.779 χ^2/NDF: 23581.0/42

- sign 225.374+/-1.117 χ^2/NDF: 12550.7/21



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 45.235+/-1.922 χ^2/NDF:132.5/4

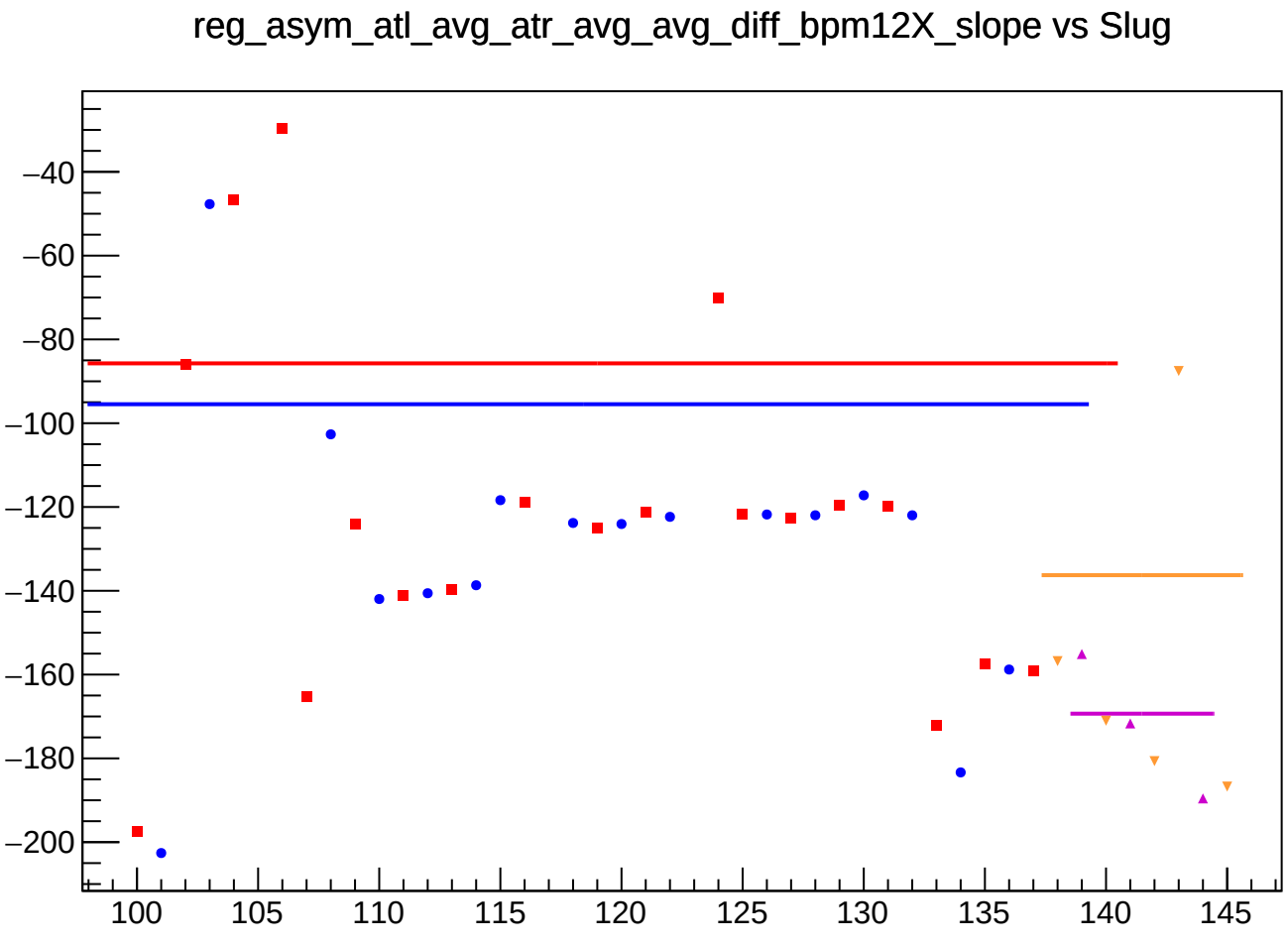
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 59.424+/-3.047 χ^2/NDF:6.0/2

+ sign 42.648+/-1.130 χ^2/NDF: 381.0/20

All: 41.146+/-0.826 χ^2/NDF: 695.0/42

- sign 39.427+/-1.209 χ^2/NDF: 310.3/21



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

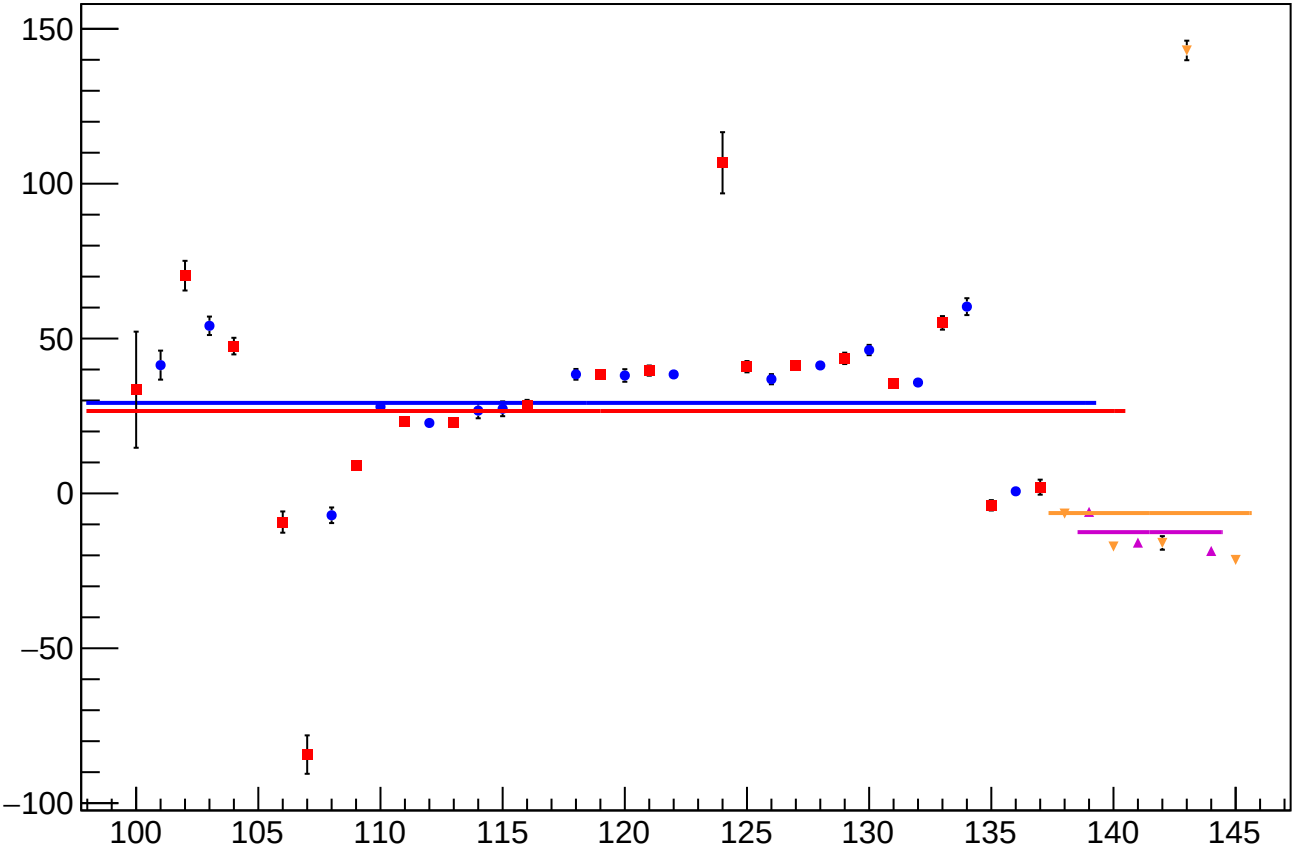
Left In: -169.335+/-0.125 χ^2/NDF:12084.5/2

+ sign -110.850+/-0.055 χ^2/NDF: 877780.0/20

All: -107.801+/-0.040 χ^2/NDF: 1725137.0/42

- sign -104.262+/-0.059 χ^2/NDF: 840673.5/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.343+/-0.713 χ^2/NDF:2426.5/4

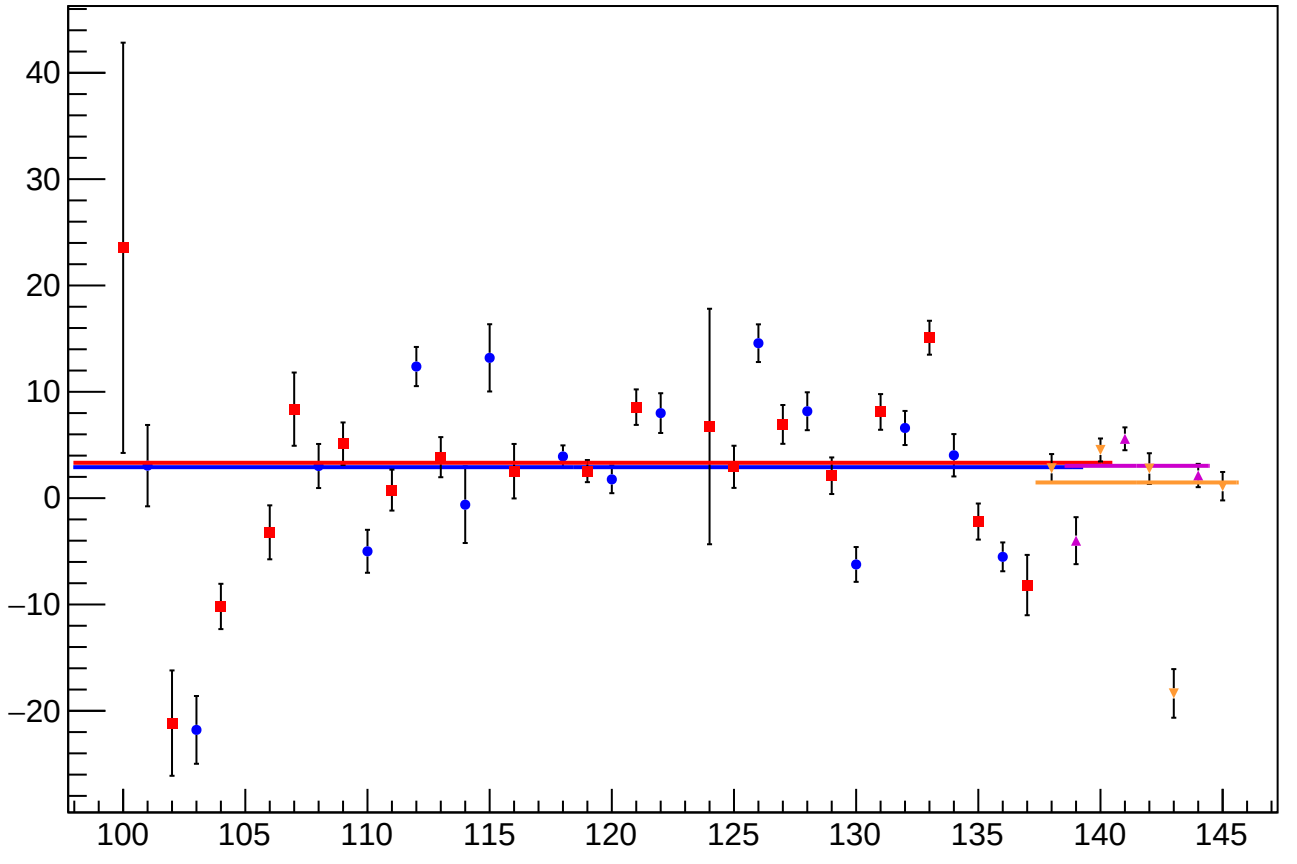
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.505+/-0.793 χ^2/NDF:50.7/2

\+ sign 19.932+/-0.365 χ^2/NDF: 5606.6/20

All: 19.082+/-0.259 χ^2/NDF: 9502.4/42

\- sign 18.221+/-0.367 χ^2/NDF: 3884.8/21



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.475+/-0.615 χ^2/NDF:85.1/4

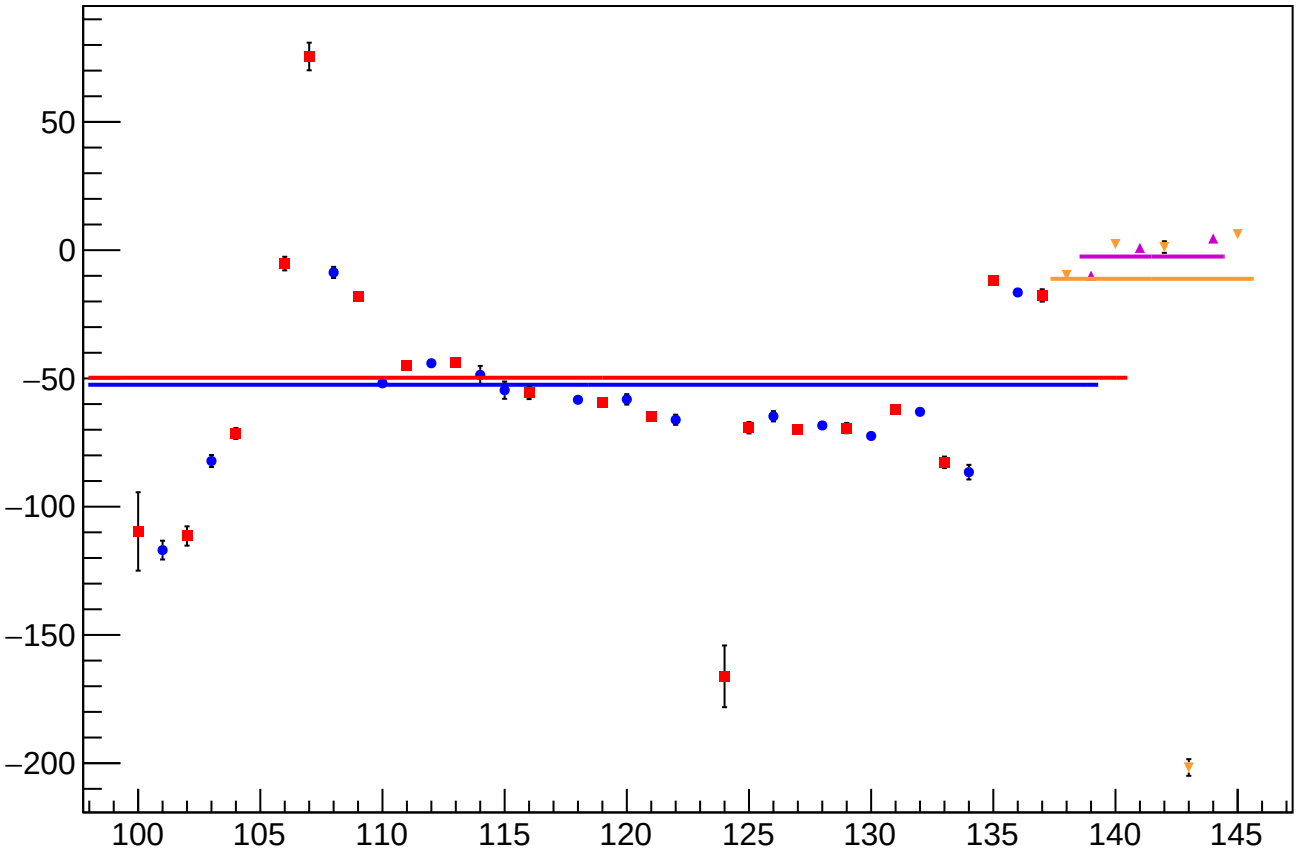
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 3.040+/-0.724 χ^2/NDF:16.4/2

\+ sign 2.422+/-0.359 χ^2/NDF: 338.7/20

All: 2.806+/-0.262 χ^2/NDF: 539.5/42

\- sign 3.245+/-0.384 χ^2/NDF: 198.3/21



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.160+/-0.735 χ^2/NDF:3706.2/4

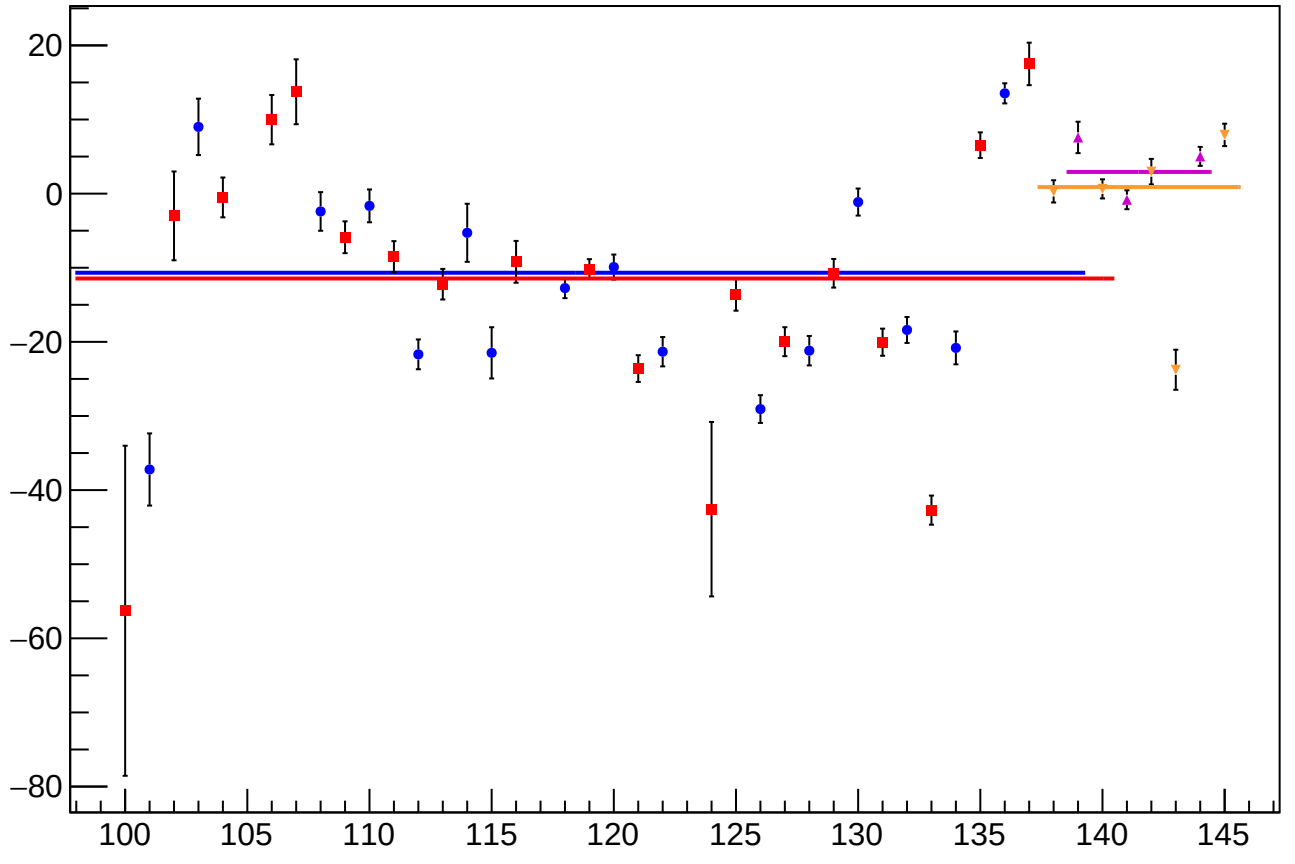
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -2.487+/-0.819 χ^2/NDF:60.1/2

+ sign -39.847+/-0.406 χ^2/NDF: 8227.4/20

All: -38.545+/-0.293 χ^2/NDF: 13757.4/42

- sign -37.135+/-0.423 χ^2/NDF: 5508.7/21



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.888+/-0.715 χ^2/NDF:106.3/4

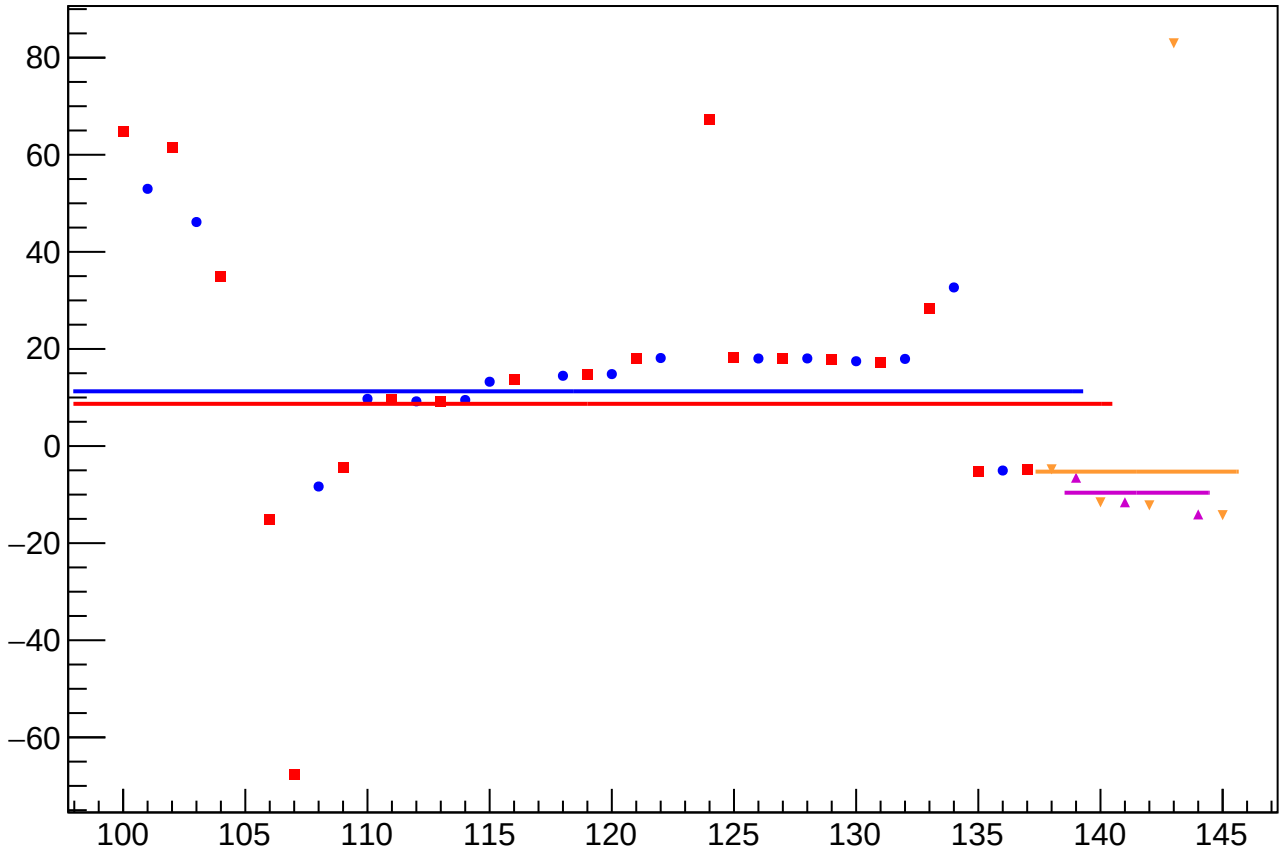
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.927+/-0.831 χ^2/NDF:16.2/2

\+ sign -6.825+/-0.413 χ^2/NDF: 947.0/20

All: -7.117+/-0.301 χ^2/NDF: 1846.1/42

\- sign -7.446+/-0.438 χ^2/NDF: 898.1/21



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.268+/-0.030 χ^2/NDF:464678.9/4

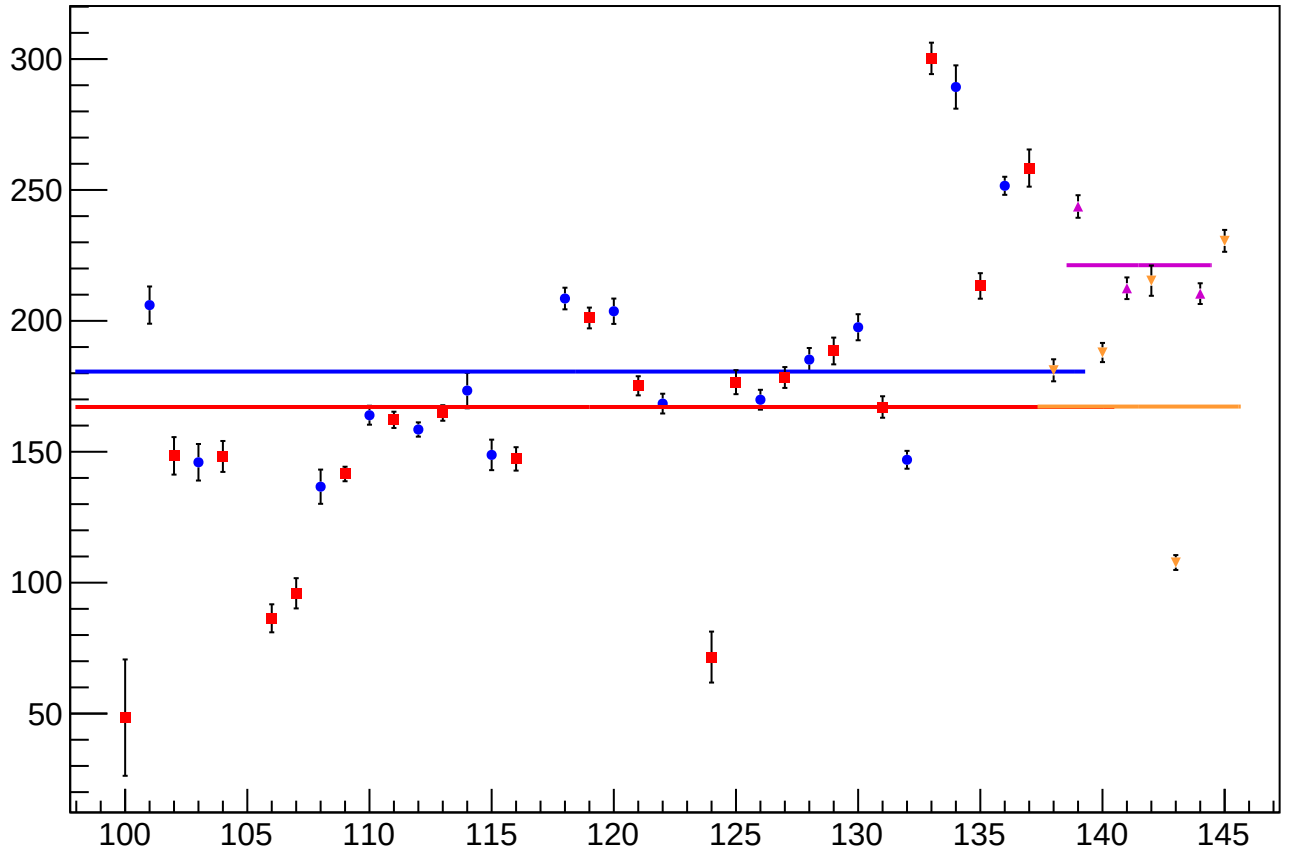
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.611+/-0.032 χ^2/NDF:9957.1/2

+ sign 3.056+/-0.021 χ^2/NDF: 965933.6/20

All: 1.503+/-0.015 χ^2/NDF: 1589161.9/42

- sign -0.240+/-0.022 χ^2/NDF: 611860.8/21



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 167.266+/-1.710 χ^2/NDF:780.2/4

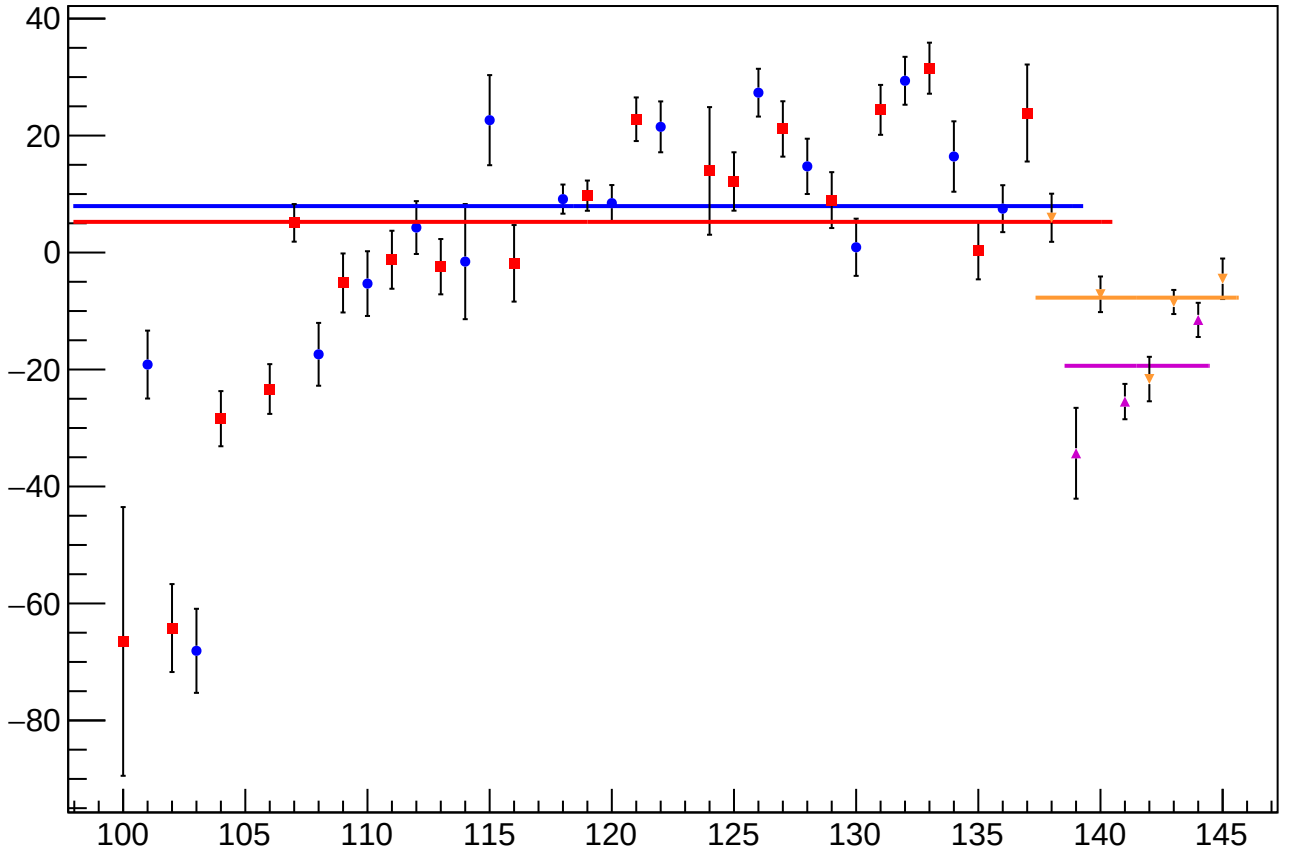
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 221.260+/-2.383 χ^2/NDF:39.1/2

\+ sign 176.775+/-0.919 χ^2/NDF: 1817.0/20

All: 176.149+/-0.657 χ^2/NDF: 3778.0/42

\- sign 175.497+/-0.938 χ^2/NDF: 1960.0/21



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.712+/-1.342 χ^2/NDF:25.5/4

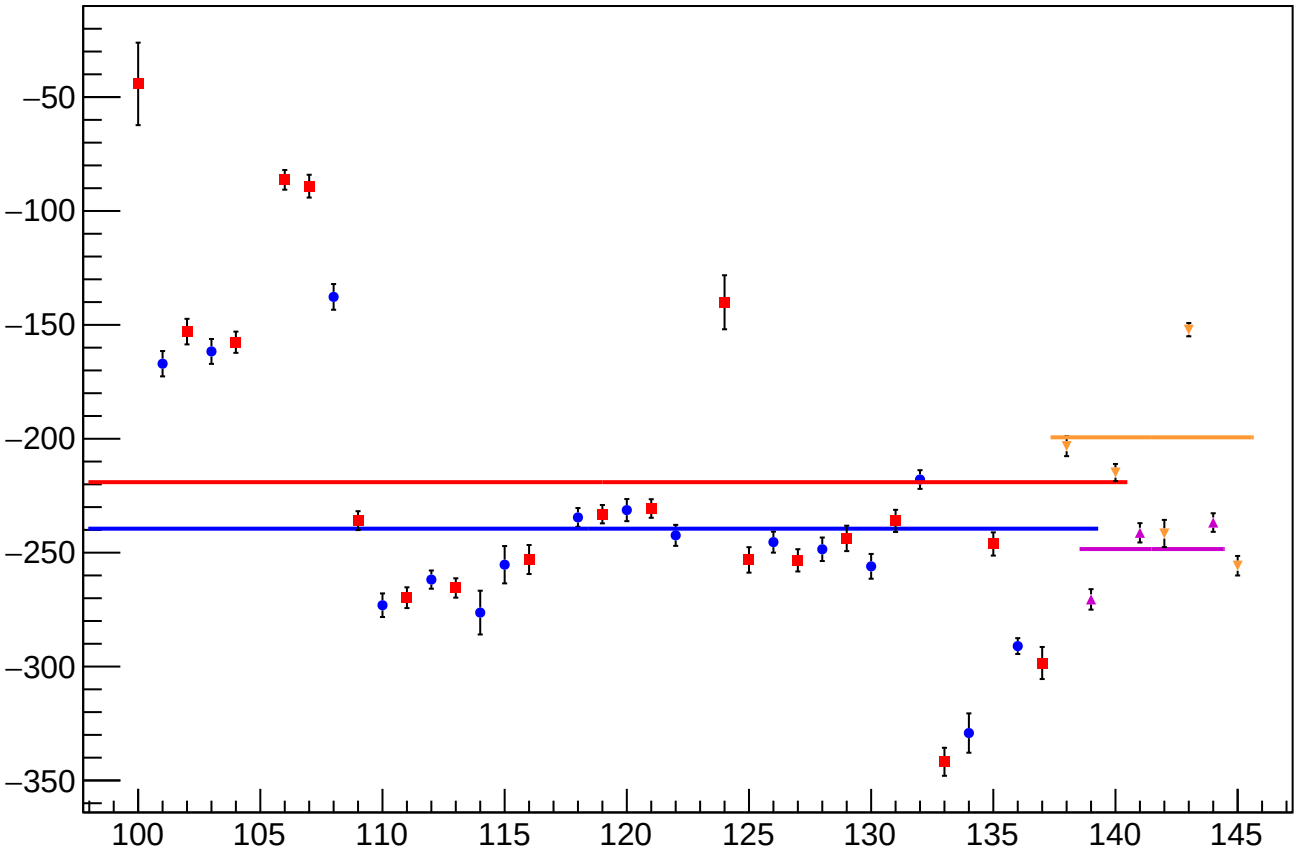
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -19.365+/-2.028 χ^2/NDF:15.0/2

+ sign 1.563+/-0.857 χ^2/NDF: 338.9/20

All: 0.831+/-0.634 χ^2/NDF: 774.1/42

- sign -0.053+/-0.941 χ^2/NDF: 433.5/21



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -199.365+/-1.763 χ^2/NDF:501.5/4

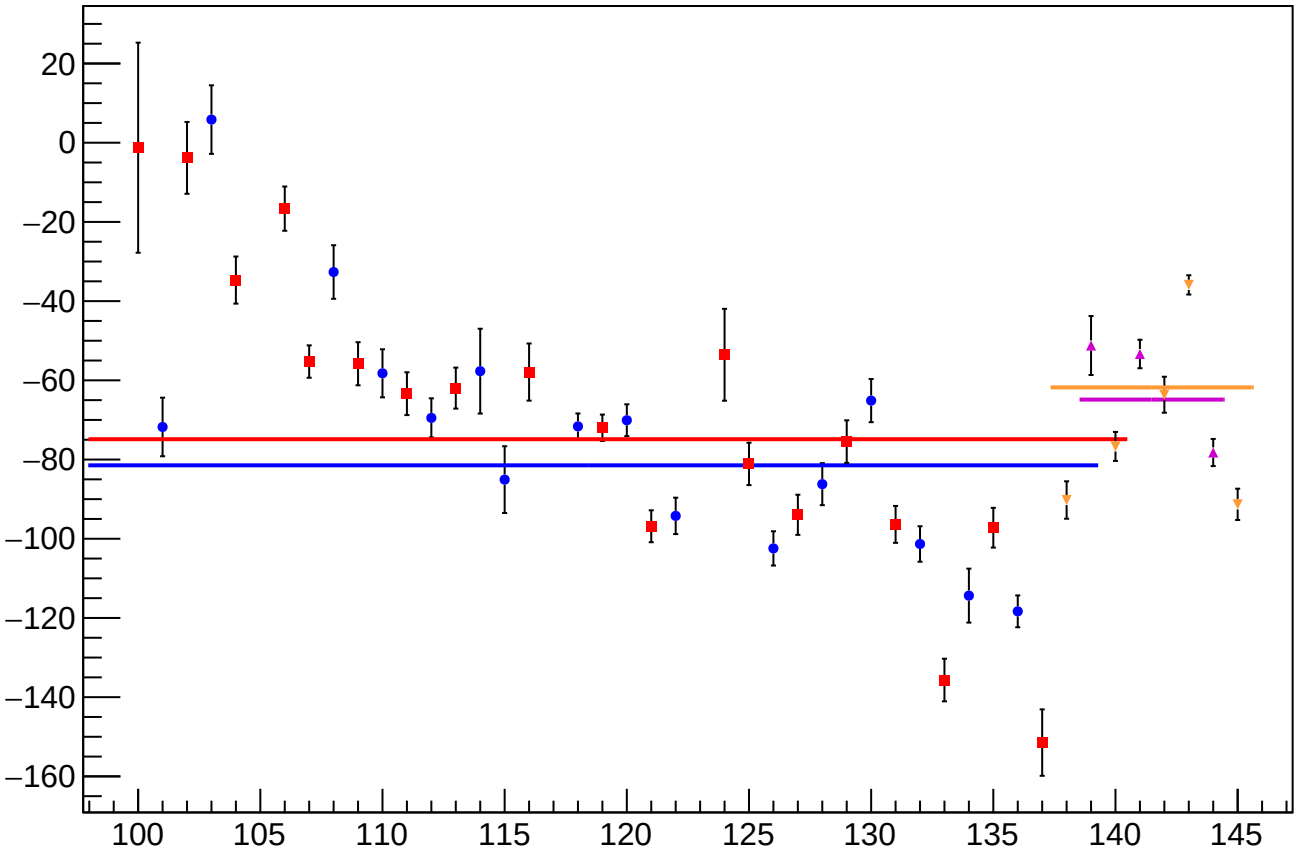
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -248.416+/-2.460 χ^2/NDF:35.2/2

+ sign -226.118+/-1.017 χ^2/NDF: 2008.9/20

All: -225.351+/-0.734 χ^2/NDF: 5210.5/42

- sign -224.516+/-1.061 χ^2/NDF: 3200.4/21



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

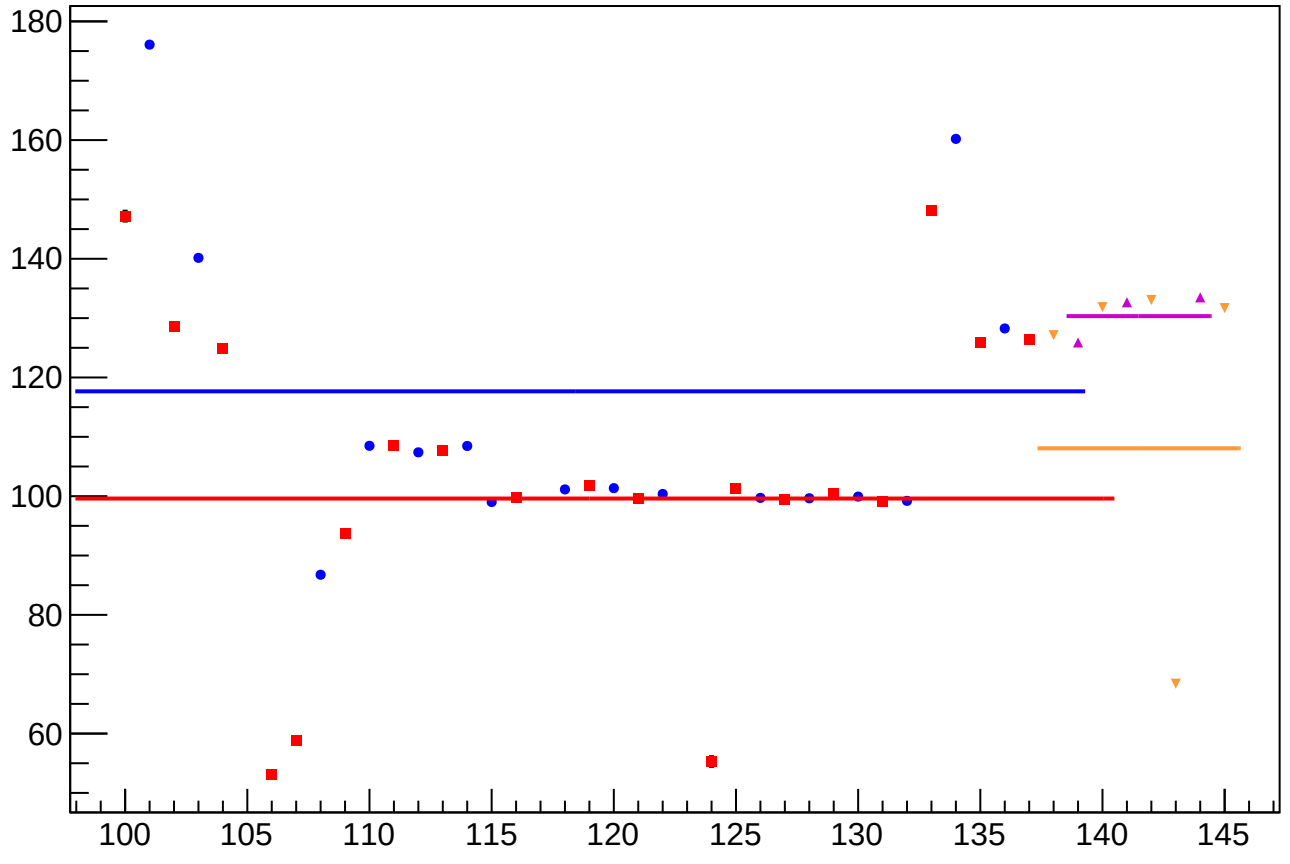
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.863+/-2.354 χ^2/NDF:28.8/2

+ sign -73.619+/-0.998 χ^2/NDF: 681.2/20

All: -73.208+/-0.736 χ^2/NDF: 1301.2/42

- sign -72.717+/-1.090 χ^2/NDF: 619.6/21



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

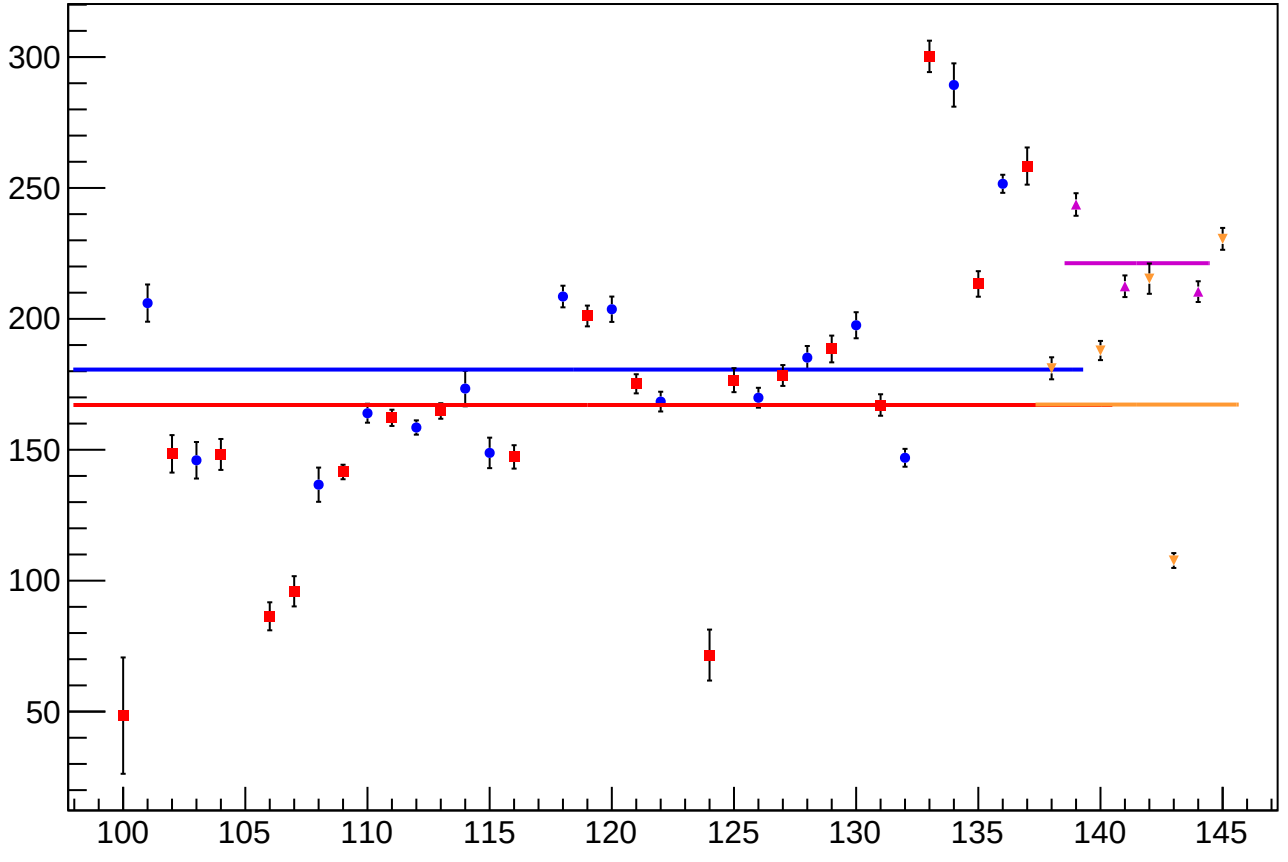
Left In: 130.338+/-0.099 χ^2/NDF:1245.3/2

+ sign 112.553+/-0.053 χ^2/NDF: 271065.1/20

All: 111.319+/-0.039 χ^2/NDF: 503726.6/42

- sign 109.903+/-0.057 χ^2/NDF: 231519.2/21

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 167.266+/-1.710 χ^2/NDF:780.2/4

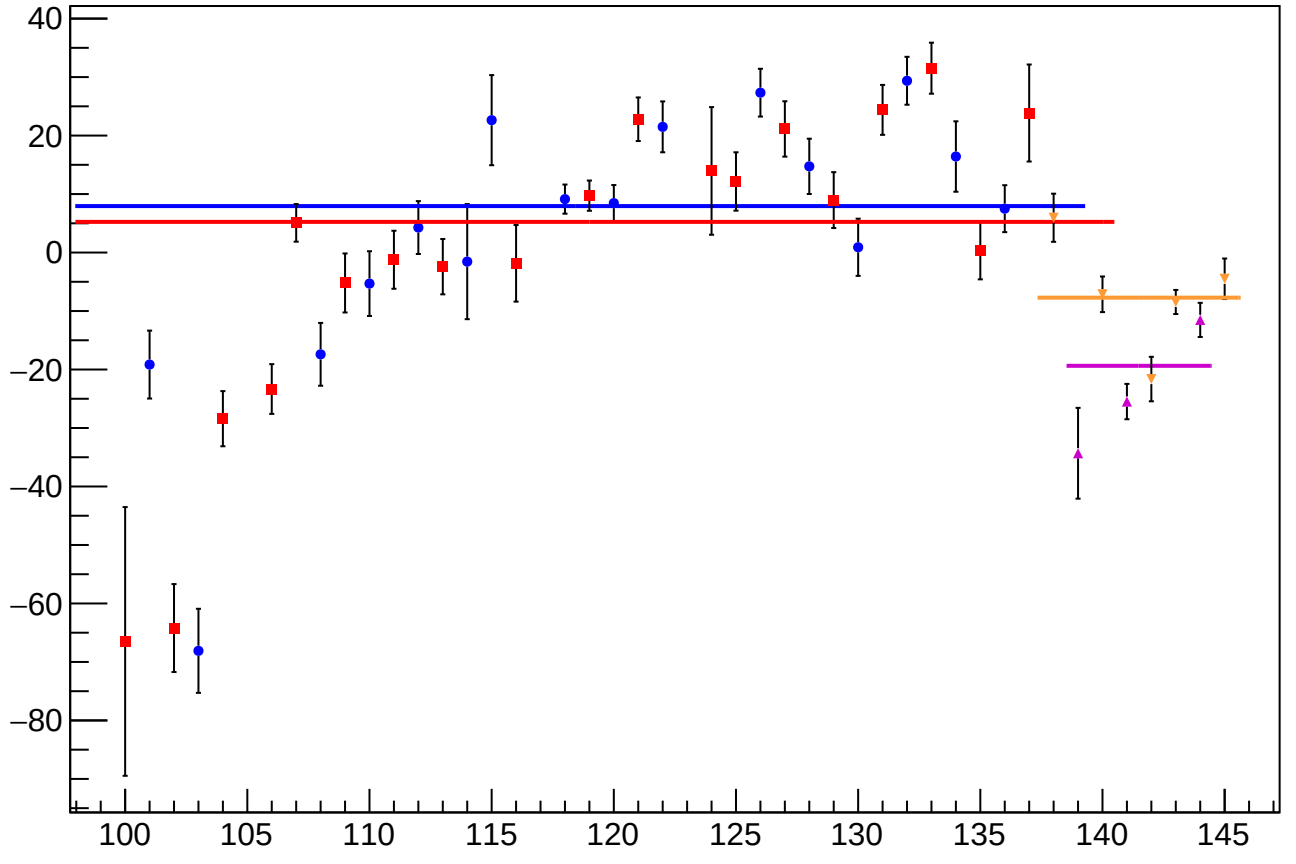
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 221.260+/-2.383 χ^2/NDF:39.1/2

\+ sign 176.775+/-0.919 χ^2/NDF: 1817.0/20

All: 176.149+/-0.657 χ^2/NDF: 3778.0/42

\- sign 175.497+/-0.938 χ^2/NDF: 1960.0/21



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.712+/-1.342 χ^2/NDF:25.5/4

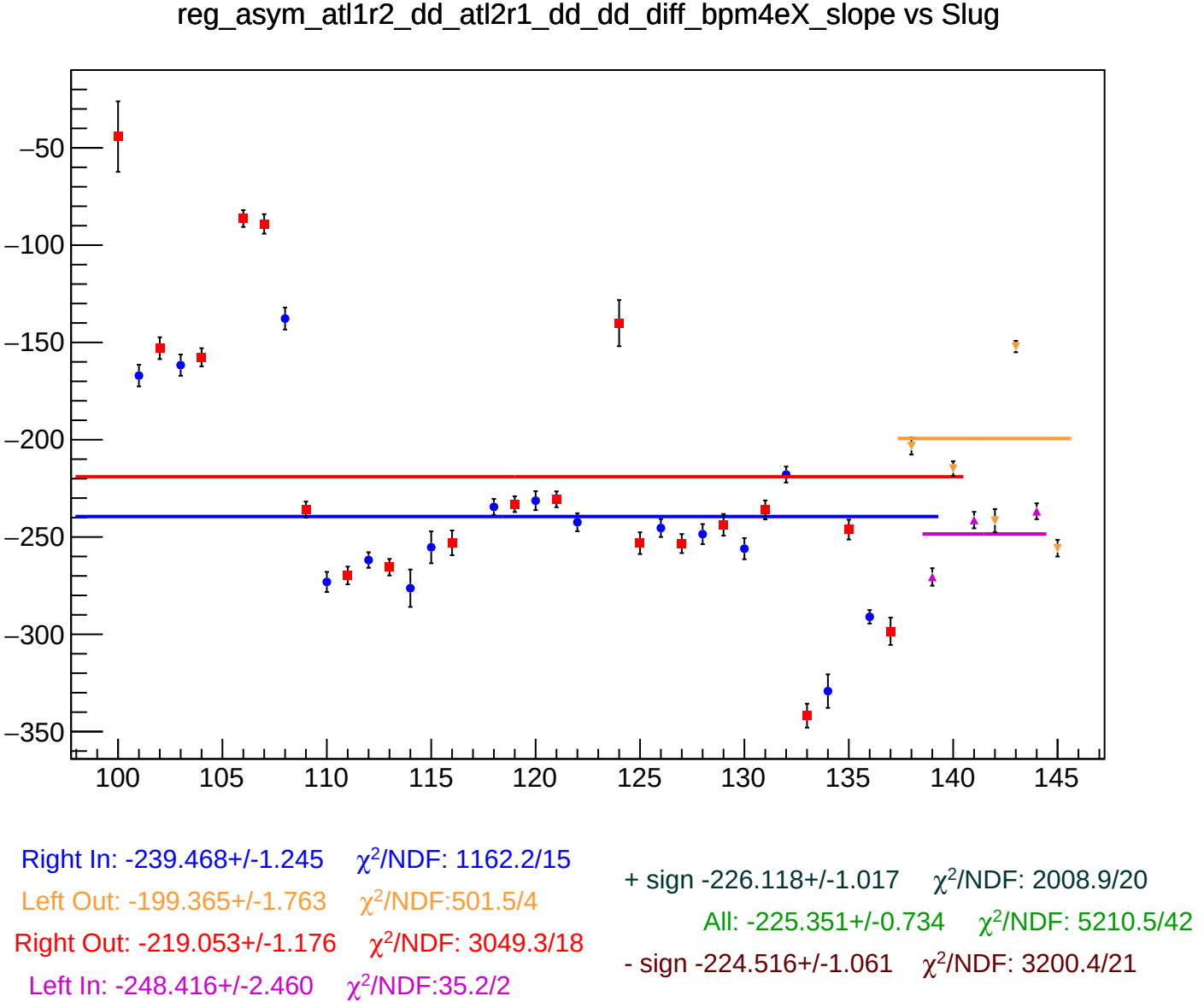
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

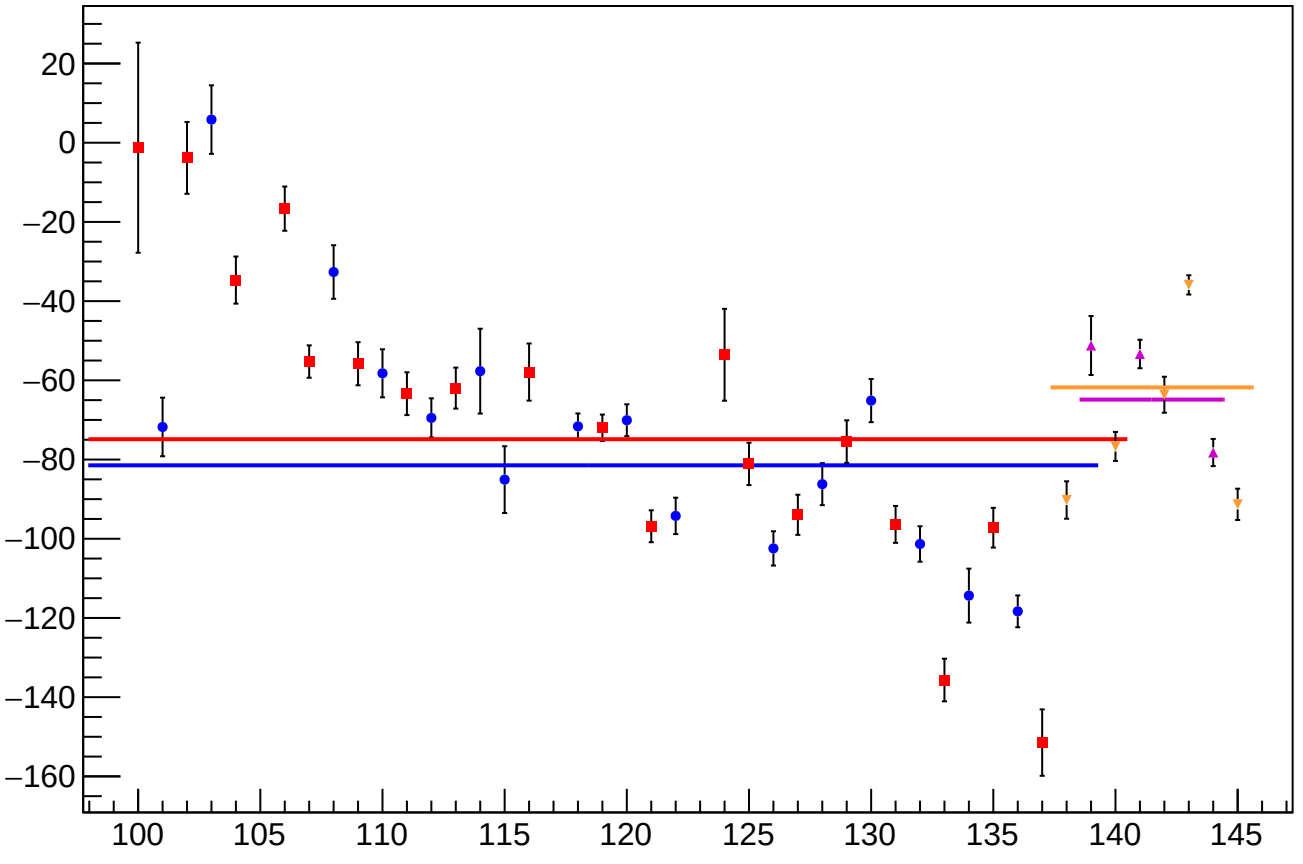
Left In: -19.365+/-2.028 χ^2/NDF:15.0/2

+ sign 1.563+/-0.857 χ^2/NDF: 338.9/20

All: 0.831+/-0.634 χ^2/NDF: 774.1/42

- sign -0.053+/-0.941 χ^2/NDF: 433.5/21


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
105
110
115
120
125
130
135
140
145
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -199.365+/-1.763 χ²/NDF:501.5/4
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -248.416+/-2.460 χ²/NDF:35.2/2
+ sign -226.118+/-1.017 χ²/NDF: 2008.9/20
All: -225.351+/-0.734 χ²/NDF: 5210.5/42
- sign -224.516+/-1.061 χ²/NDF: 3200.4/21



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

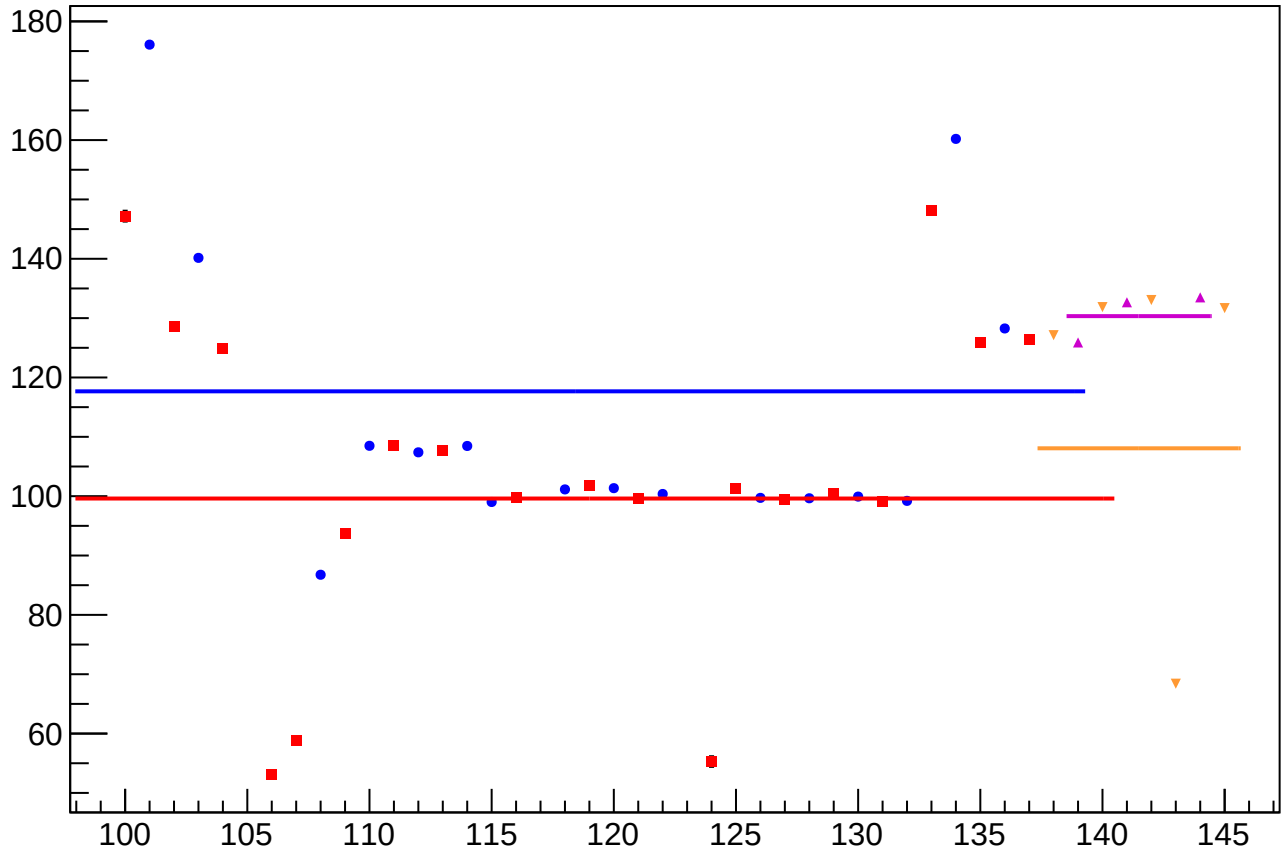
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.863+/-2.354 χ^2/NDF:28.8/2

\+ sign -73.619+/-0.998 χ^2/NDF: 681.2/20

All: -73.208+/-0.736 χ^2/NDF: 1301.2/42

\- sign -72.717+/-1.090 χ^2/NDF: 619.6/21



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 108.067+/-0.073 χ^2/NDF:167652.8/4

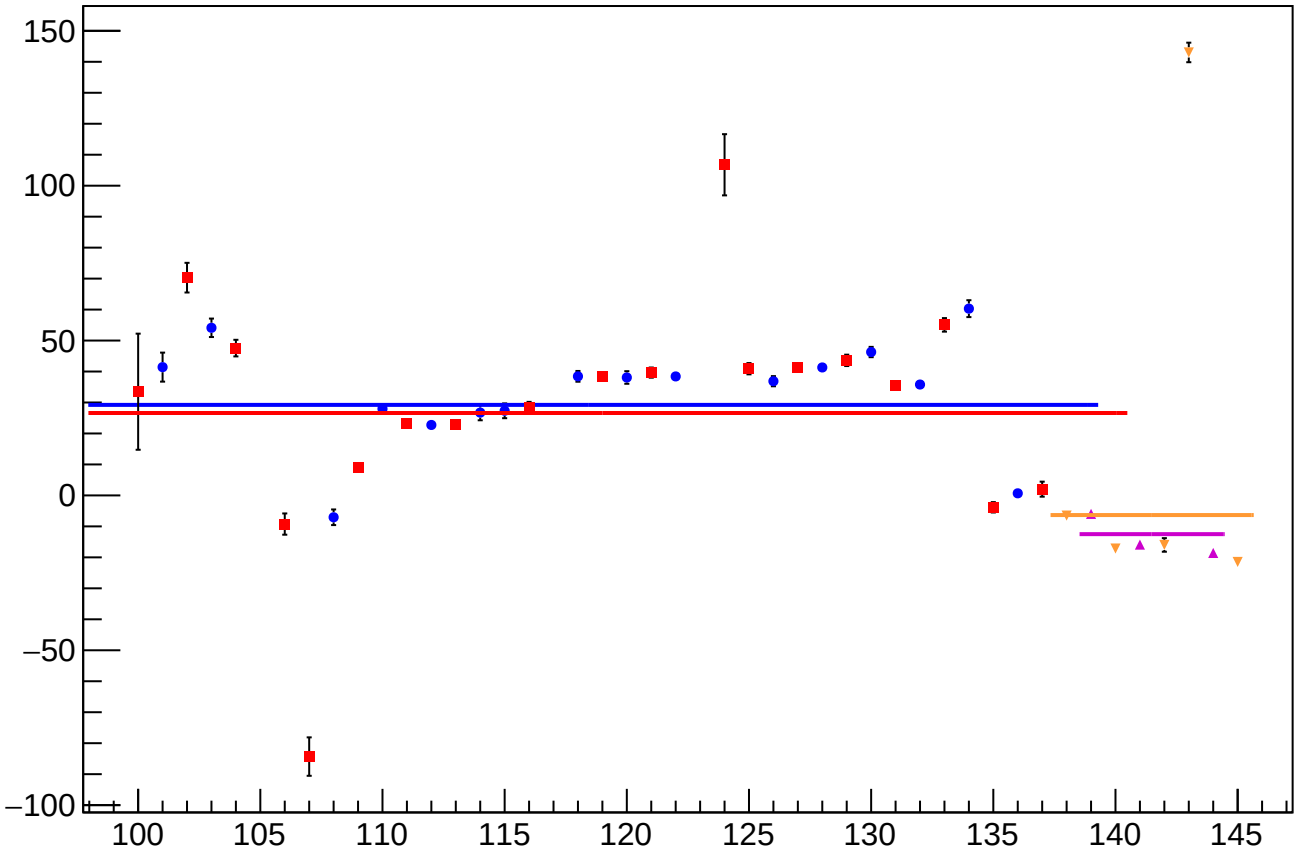
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 130.338+/-0.099 χ^2/NDF:1245.3/2

+ sign 112.553+/-0.053 χ^2/NDF: 271065.1/20

All: 111.319+/-0.039 χ^2/NDF: 503726.6/42

- sign 109.903+/-0.057 χ^2/NDF: 231519.2/21



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.343+/-0.713 χ^2/NDF:2426.5/4

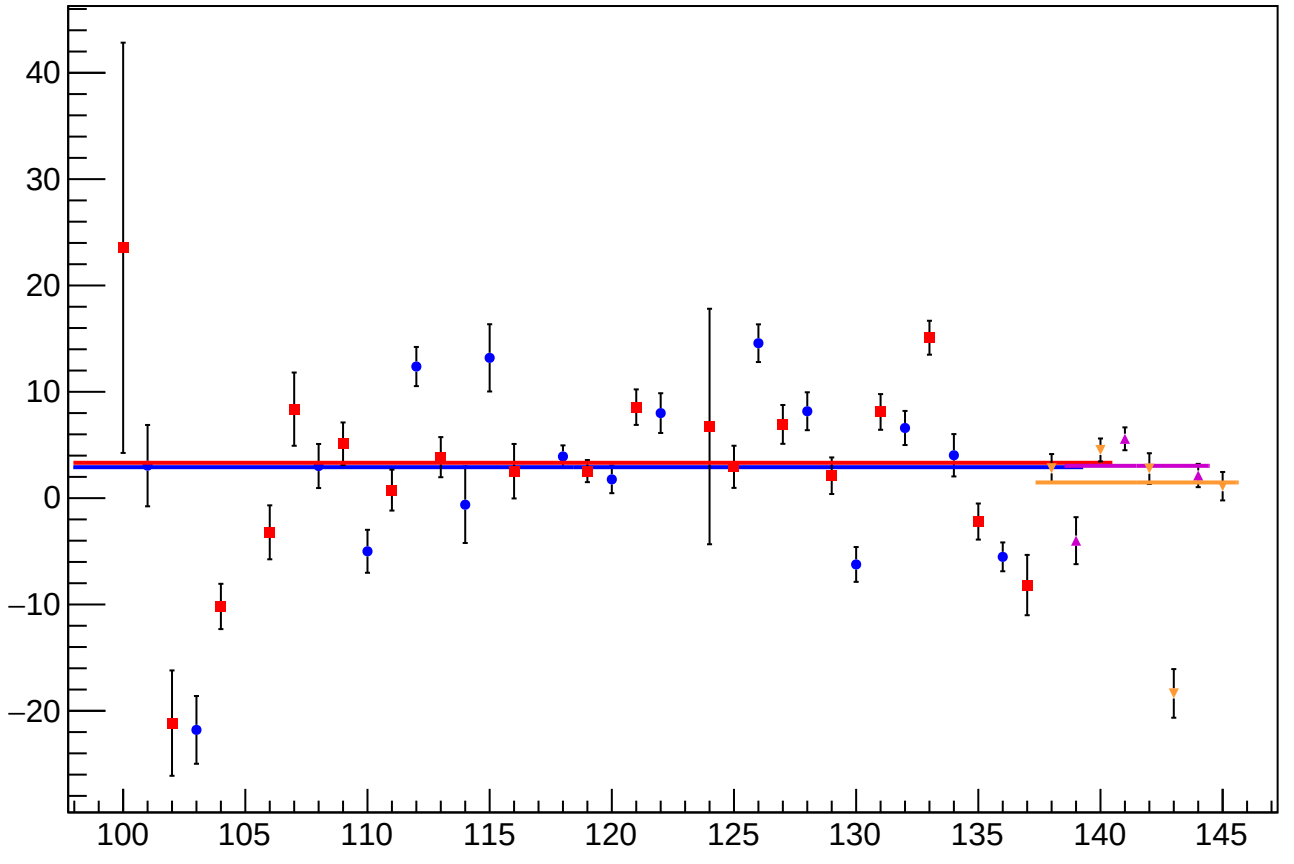
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.505+/-0.793 χ^2/NDF:50.7/2

\+ sign 19.932+/-0.365 χ^2/NDF: 5606.6/20

All: 19.082+/-0.259 χ^2/NDF: 9502.4/42

\- sign 18.221+/-0.367 χ^2/NDF: 3884.8/21



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.475+/-0.615 χ^2/NDF:85.1/4

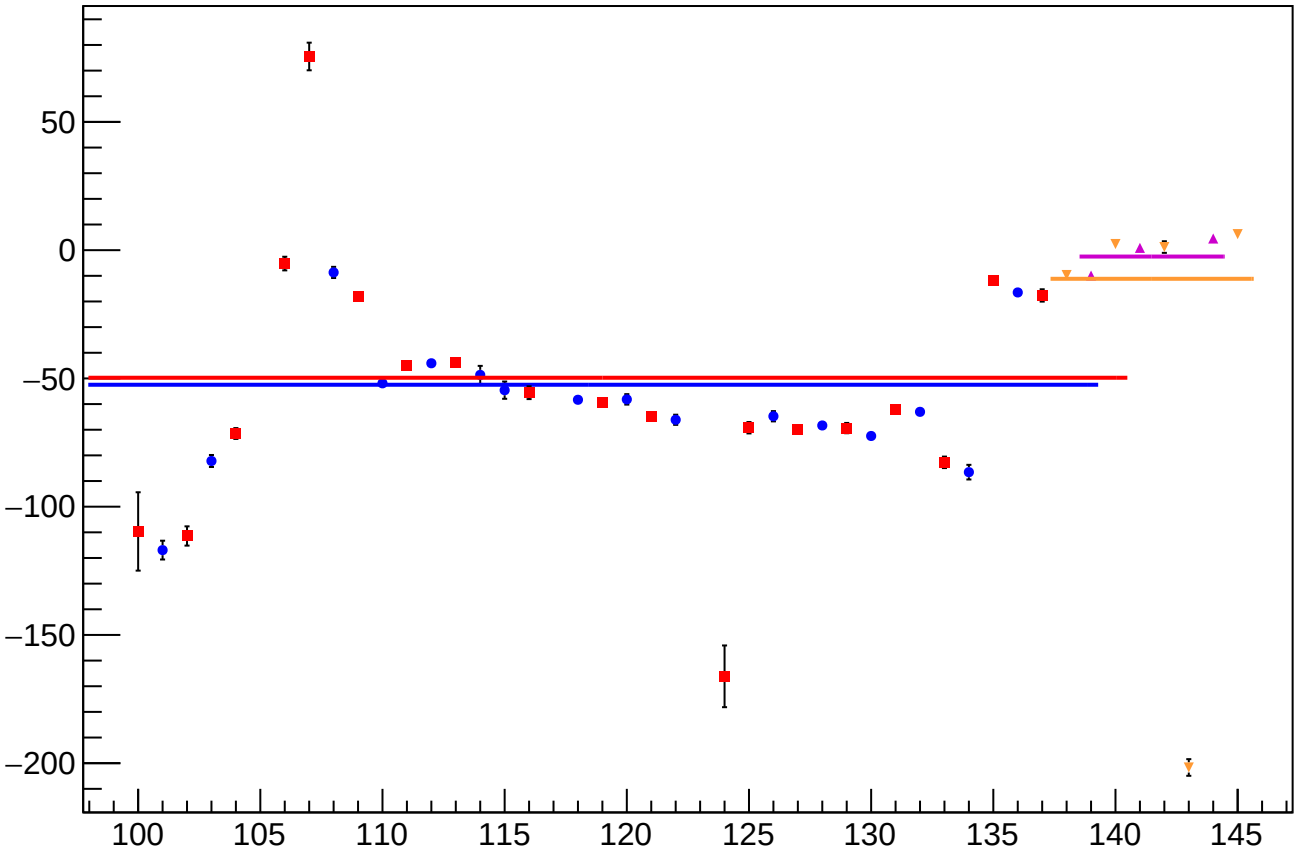
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 3.040+/-0.724 χ^2/NDF:16.4/2

+ sign 2.422+/-0.359 χ^2/NDF: 338.7/20

All: 2.806+/-0.262 χ^2/NDF: 539.5/42

- sign 3.245+/-0.384 χ^2/NDF: 198.3/21



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.160+/-0.735 χ^2/NDF:3706.2/4

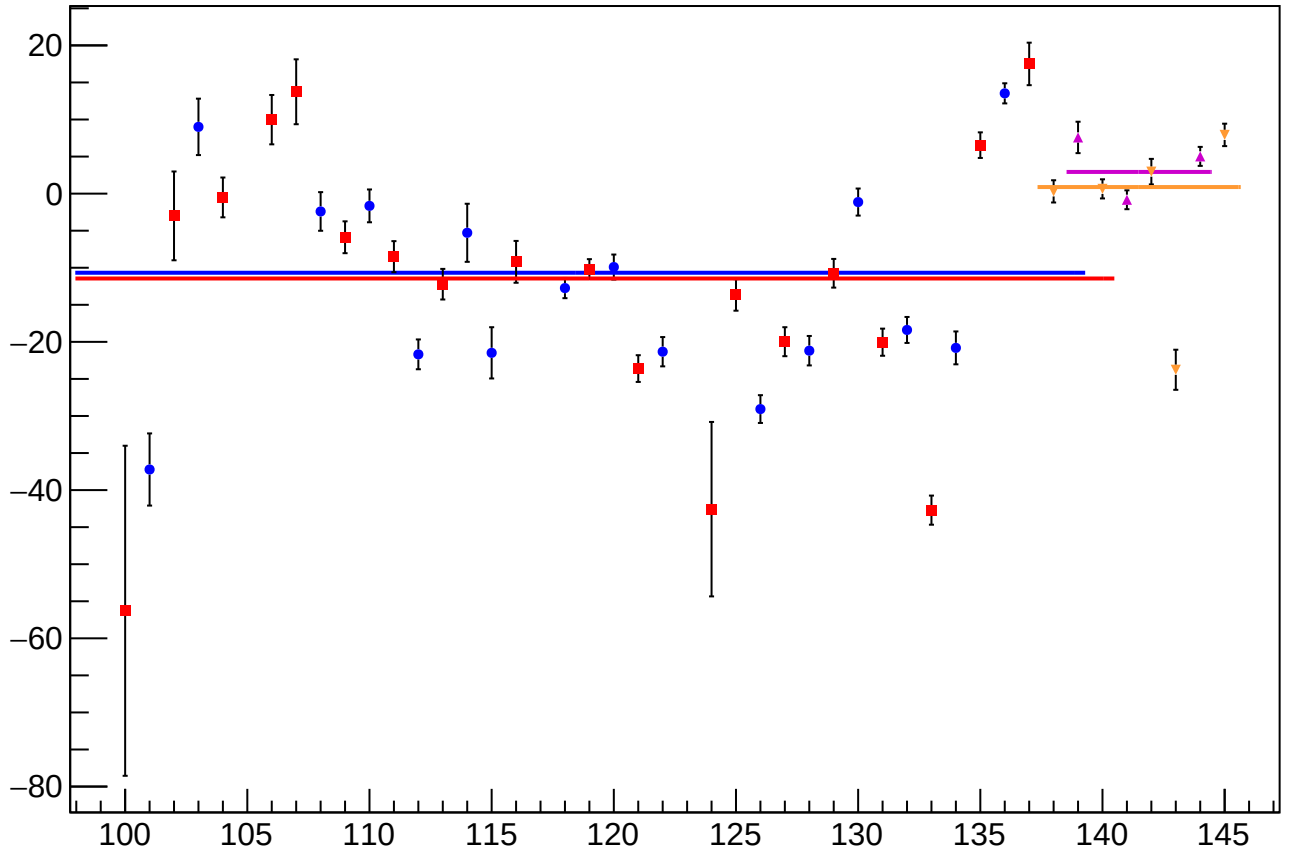
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -2.487+/-0.819 χ^2/NDF:60.1/2

+ sign -39.847+/-0.406 χ^2/NDF: 8227.4/20

All: -38.545+/-0.293 χ^2/NDF: 13757.4/42

- sign -37.135+/-0.423 χ^2/NDF: 5508.7/21



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.888+/-0.715 χ^2/NDF:106.3/4

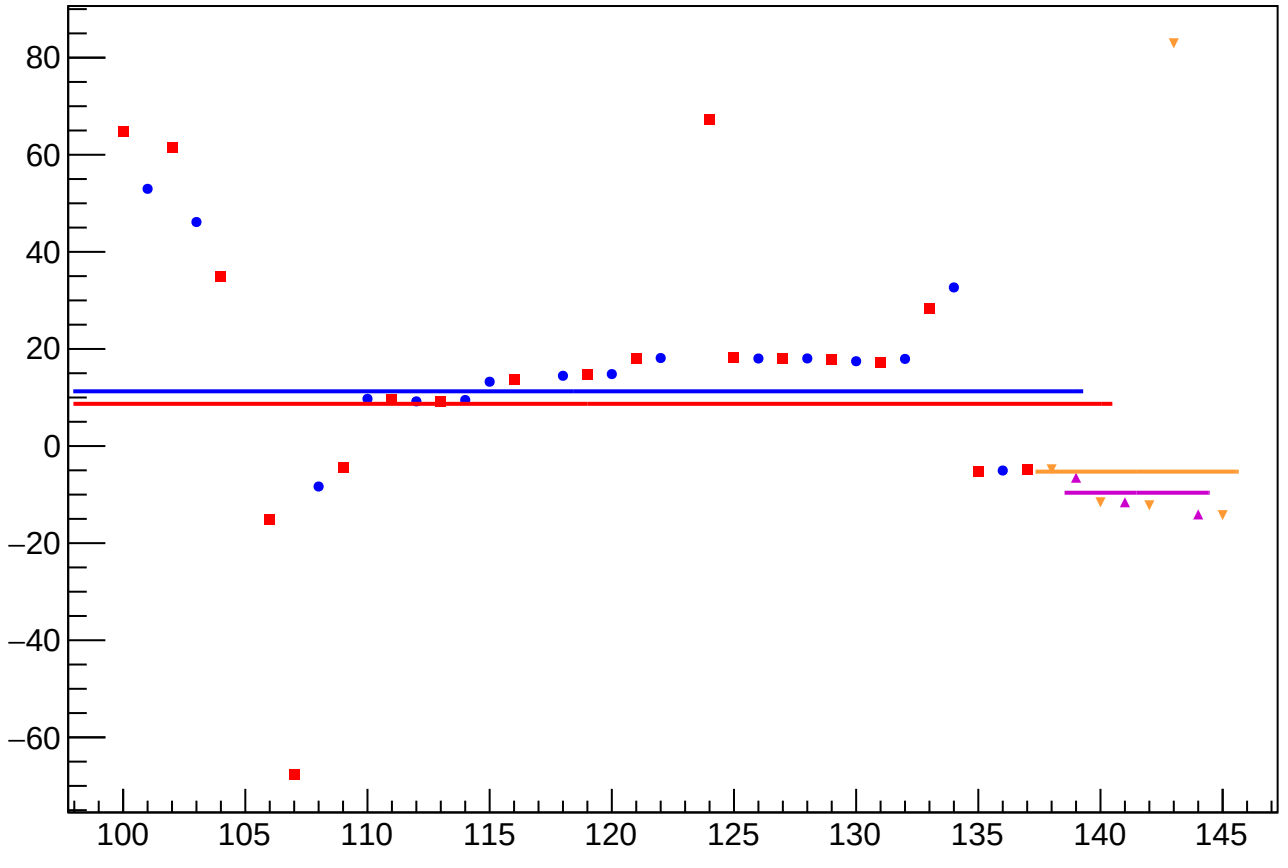
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.927+/-0.831 χ^2/NDF:16.2/2

+ sign -6.825+/-0.413 χ^2/NDF: 947.0/20

All: -7.117+/-0.301 χ^2/NDF: 1846.1/42

- sign -7.446+/-0.438 χ^2/NDF: 898.1/21



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.268+/-0.030 χ^2/NDF:464678.9/4

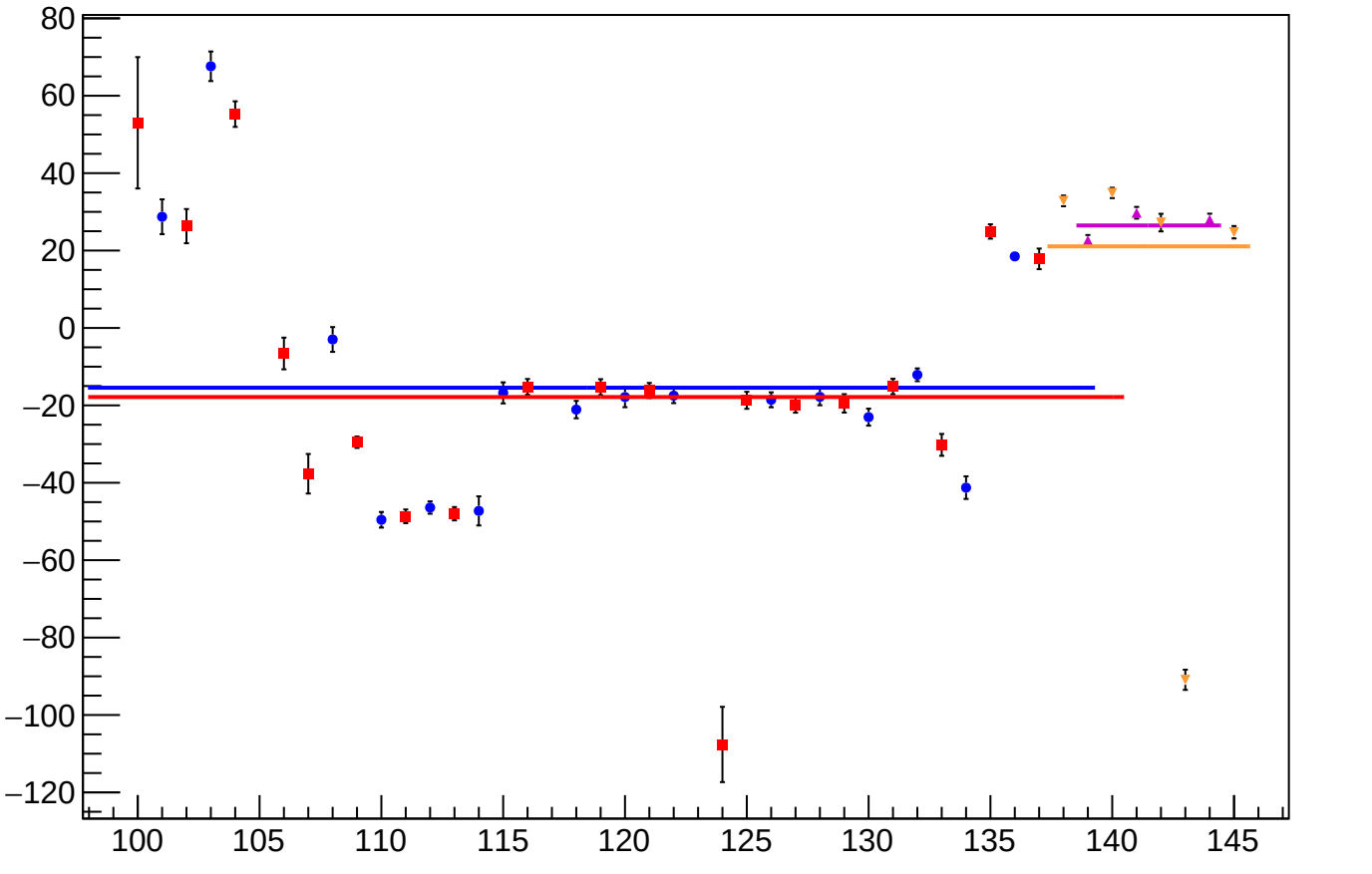
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.611+/-0.032 χ^2/NDF:9957.1/2

+ sign 3.056+/-0.021 χ^2/NDF: 965933.6/20

All: 1.503+/-0.015 χ^2/NDF: 1589161.9/42

- sign -0.240+/-0.022 χ^2/NDF: 611860.8/21



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.085+/-0.744 χ^2/NDF:2028.3/4

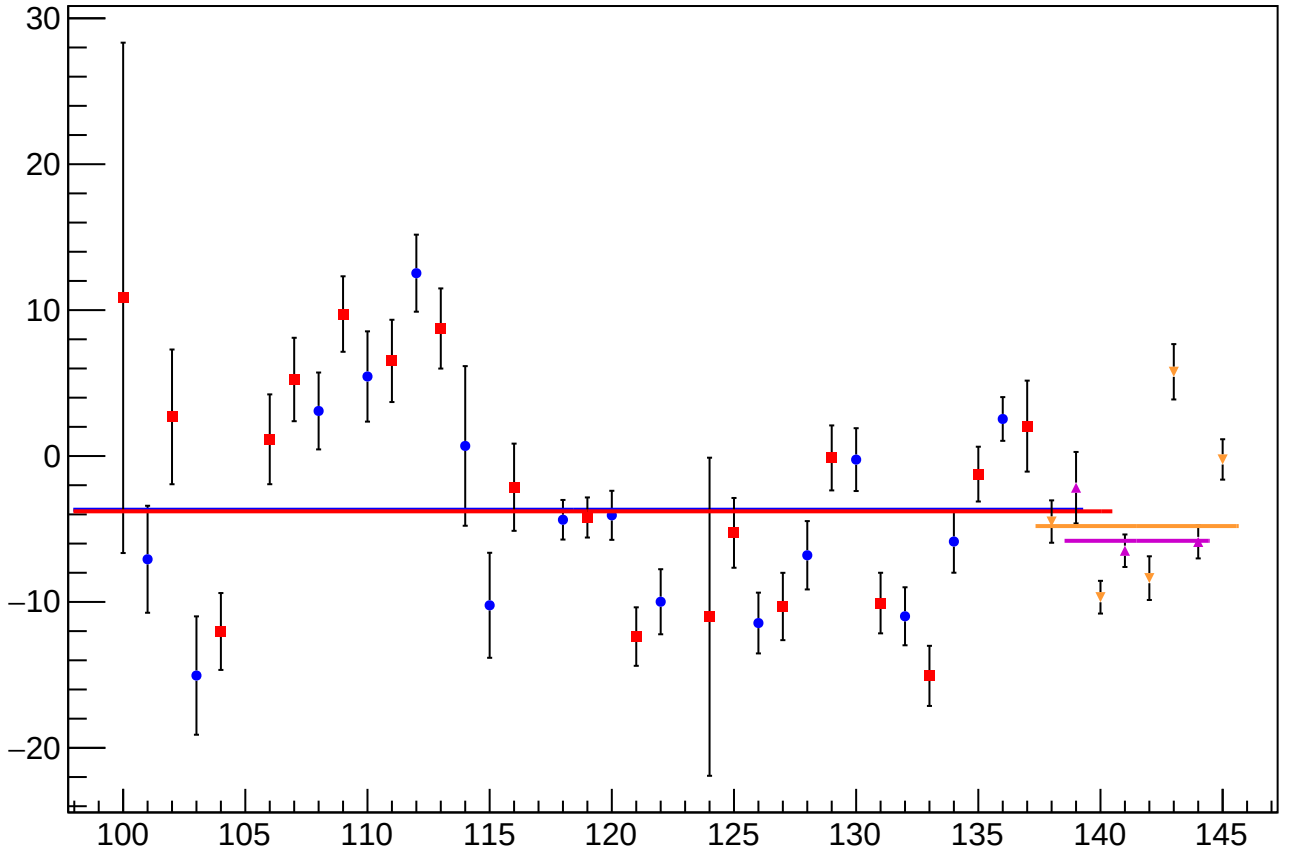
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.482+/-0.843 χ^2/NDF:13.6/2

+ sign -2.868+/-0.437 χ^2/NDF: 5732.4/20

All: -4.054+/-0.313 χ^2/NDF: 9868.6/42

- sign -5.305+/-0.448 χ^2/NDF: 4121.0/21



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -4.801+/-0.630 χ^2/NDF:66.6/4

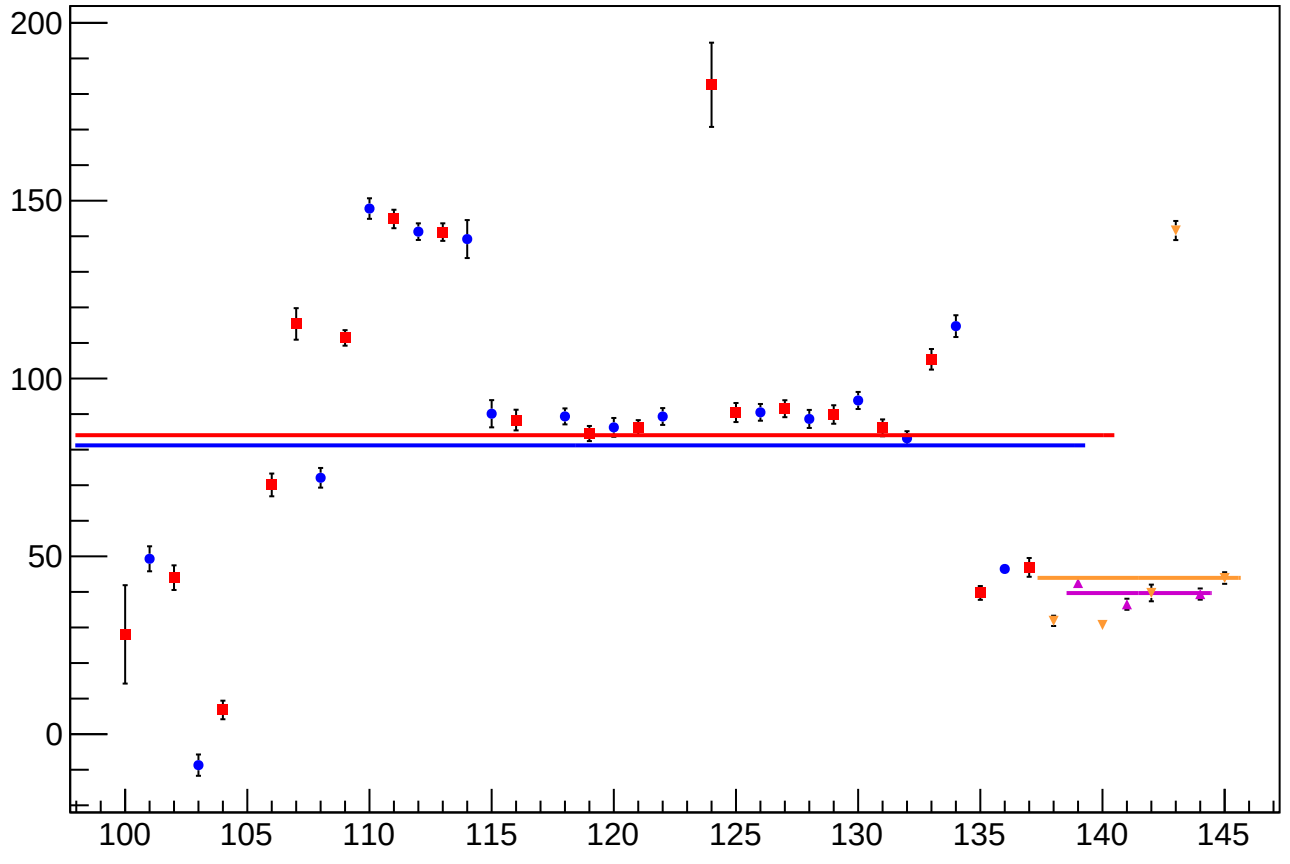
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -5.810+/-0.755 χ^2/NDF:2.6/2

+ sign -4.166+/-0.415 χ^2/NDF: 192.4/20

All: -4.325+/-0.306 χ^2/NDF: 361.1/42

- sign -4.513+/-0.452 χ^2/NDF: 168.4/21



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.951+/-0.767 χ^2/NDF:1486.8/4

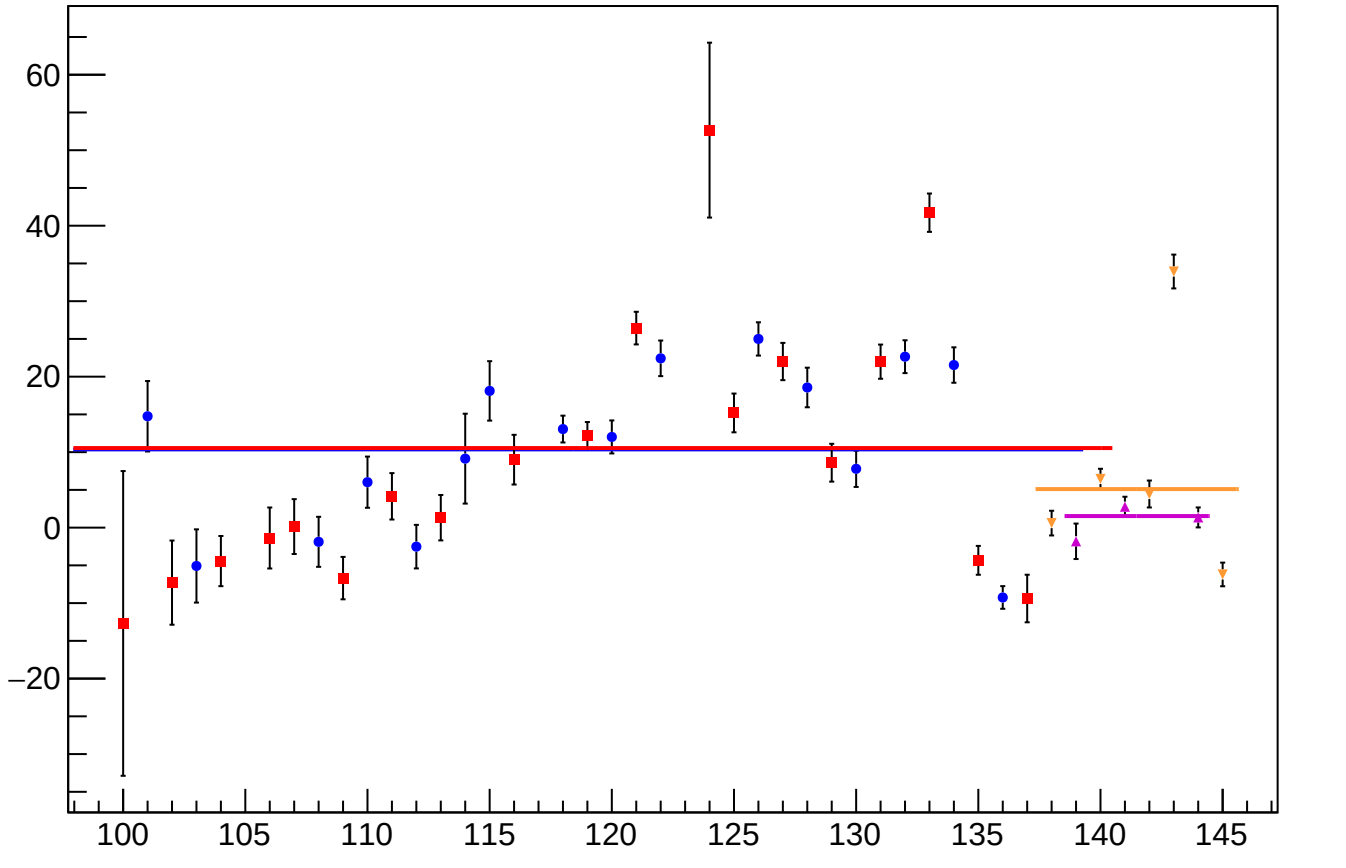
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.677+/-0.871 χ^2/NDF:8.1/2

\+ sign 66.856+/-0.476 χ^2/NDF: 6167.6/20

All: 67.992+/-0.346 χ^2/NDF: 11124.5/42

\- sign 69.261+/-0.503 χ^2/NDF: 4944.8/21



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 5.106+/-0.735 χ^2/NDF:226.2/4

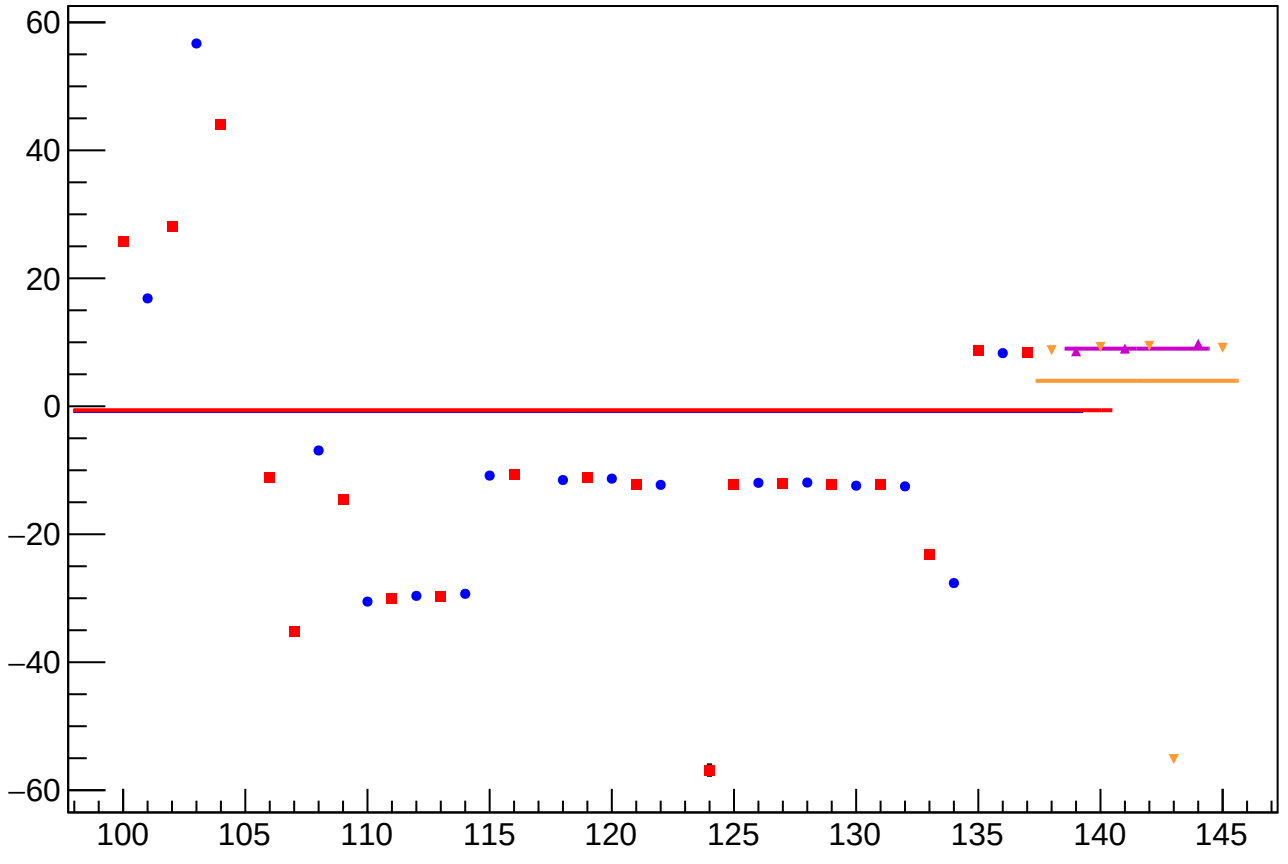
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.531+/-0.869 χ^2/NDF:2.9/2

\+ sign 8.155+/-0.477 χ^2/NDF: 615.6/20

All: 7.791+/-0.350 χ^2/NDF: 1160.2/42

\- sign 7.367+/-0.515 χ^2/NDF: 543.4/21



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

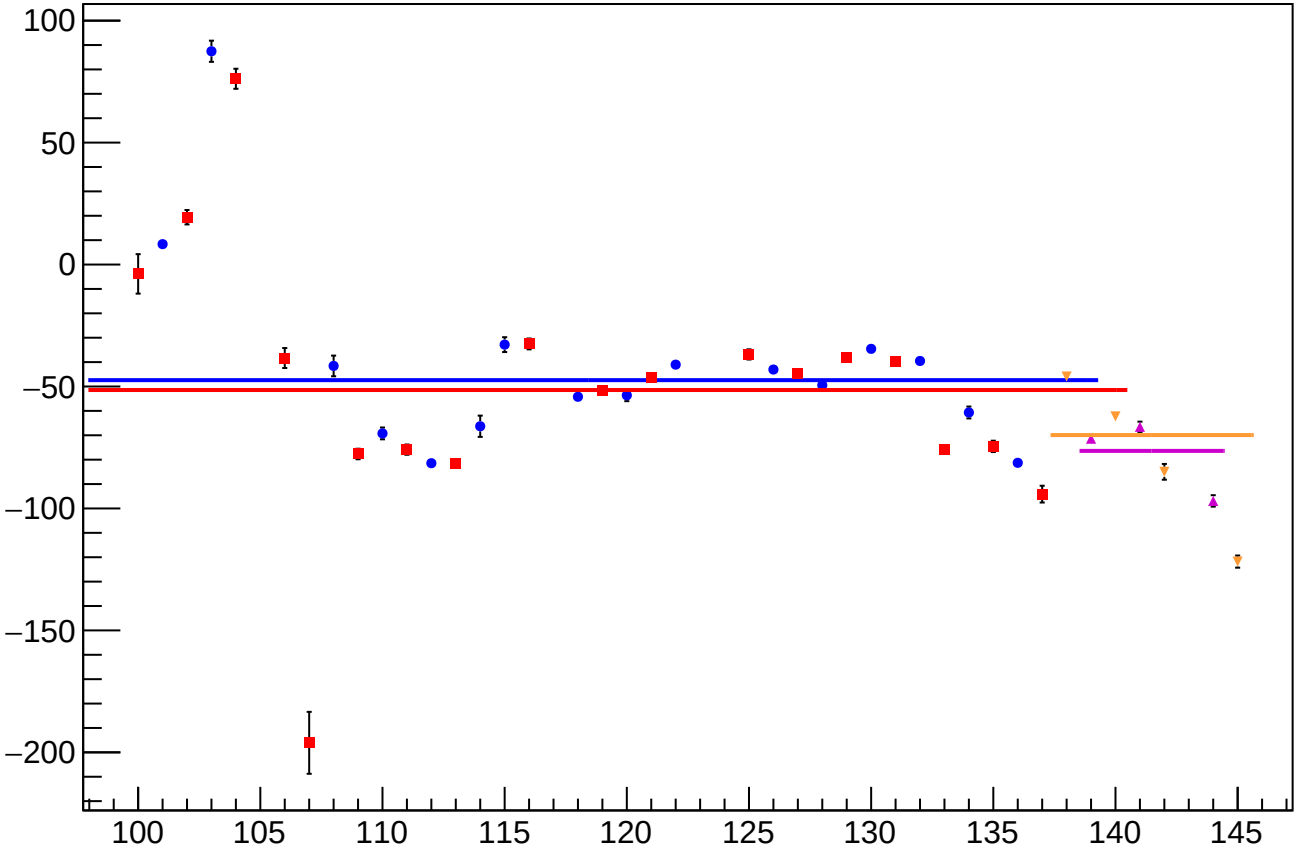
Left In: 9.007+/-0.034 χ^2/NDF:184.6/2

+ sign 1.922+/-0.024 χ^2/NDF: 681844.8/20

All: 3.164+/-0.017 χ^2/NDF: 1040329.0/42

- sign 4.582+/-0.025 χ^2/NDF: 352593.4/21

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

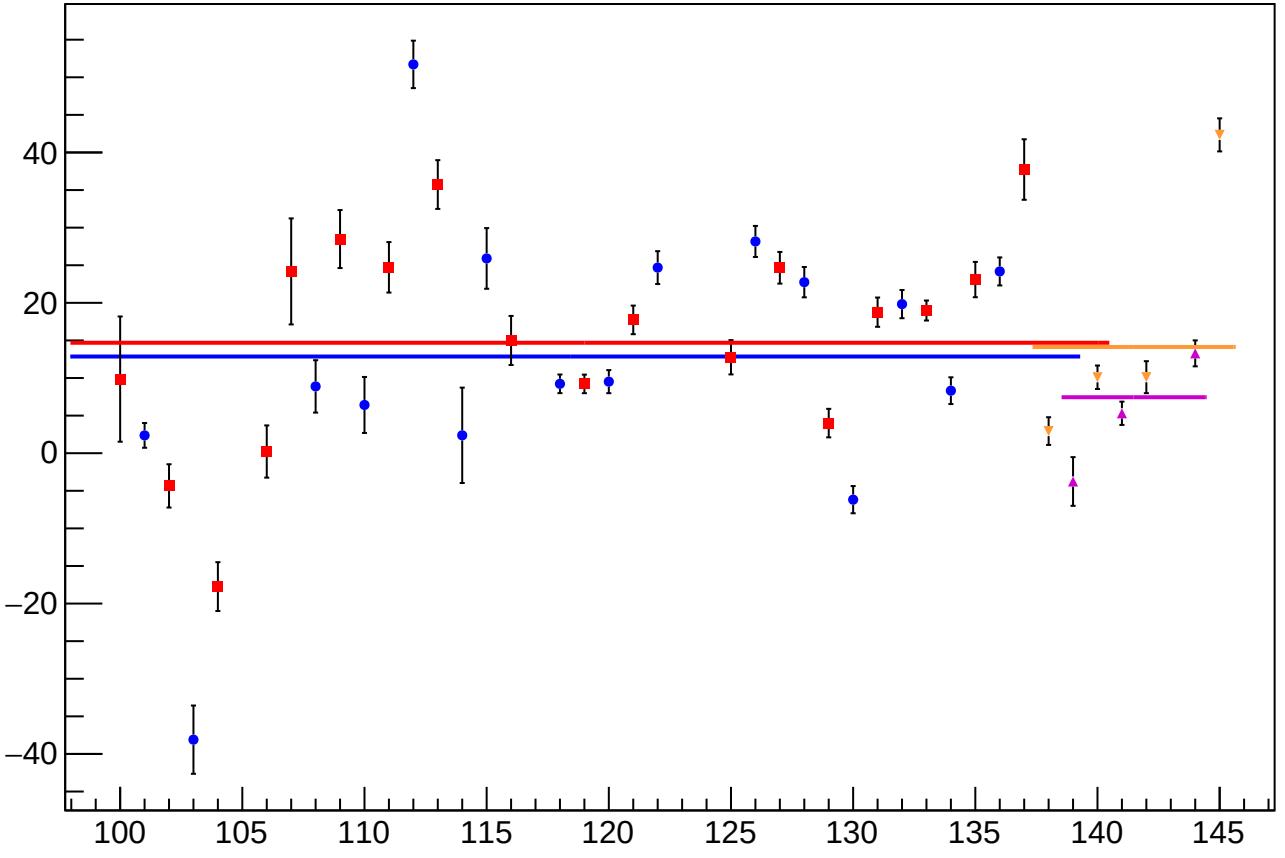
Left In: -76.400+/-1.185 χ^2/NDF:106.1/2

+ sign -51.841+/-0.479 χ^2/NDF: 3772.3/19

All: -53.756+/-0.344 χ^2/NDF: 7150.1/40

- sign -55.801+/-0.495 χ^2/NDF: 3344.8/20

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

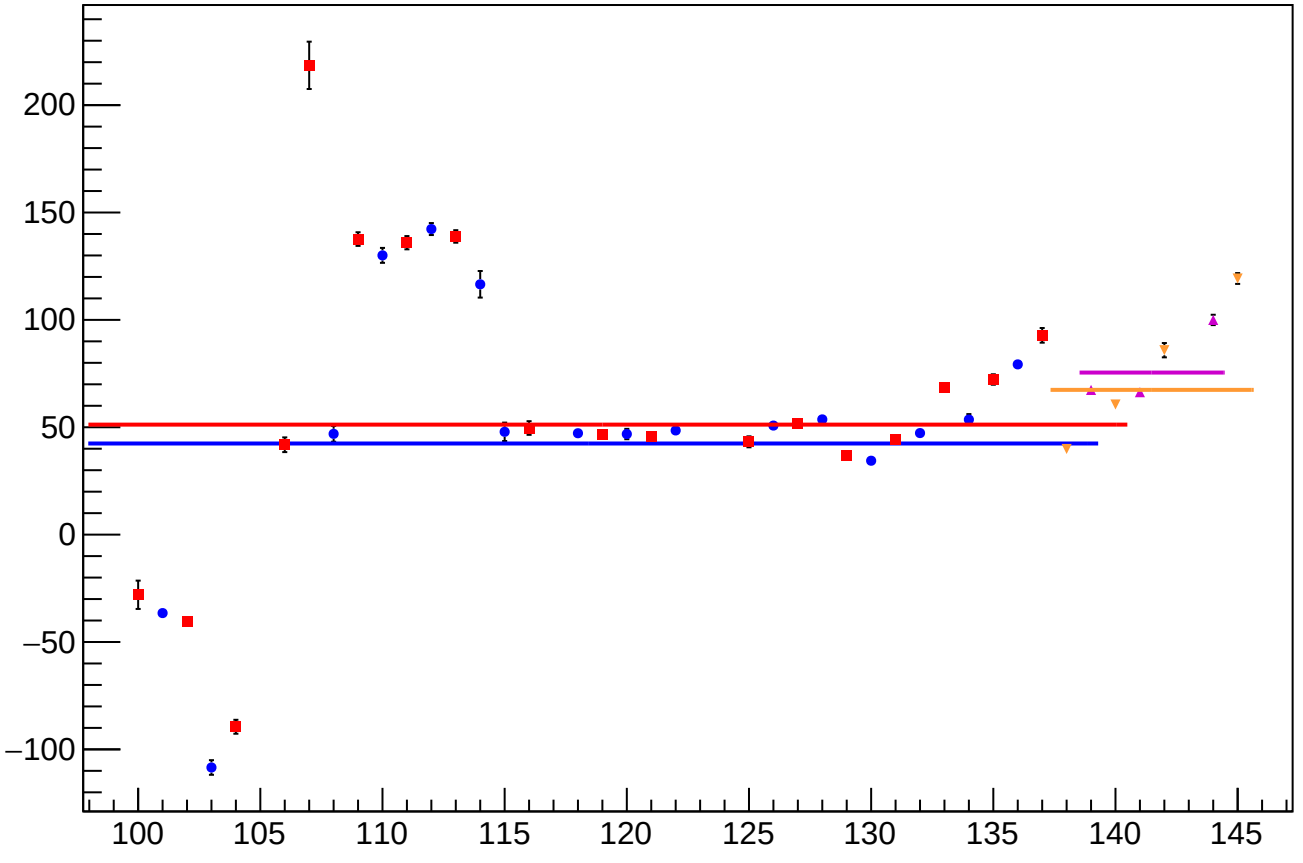
Left In: 7.445+/-1.087 χ^2/NDF:25.3/2

\+ sign 13.156+/-0.454 χ^2/NDF: 838.5/19

All: 13.194+/-0.332 χ^2/NDF: 1263.4/40

\- sign 13.238+/-0.487 χ^2/NDF: 425.0/20

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

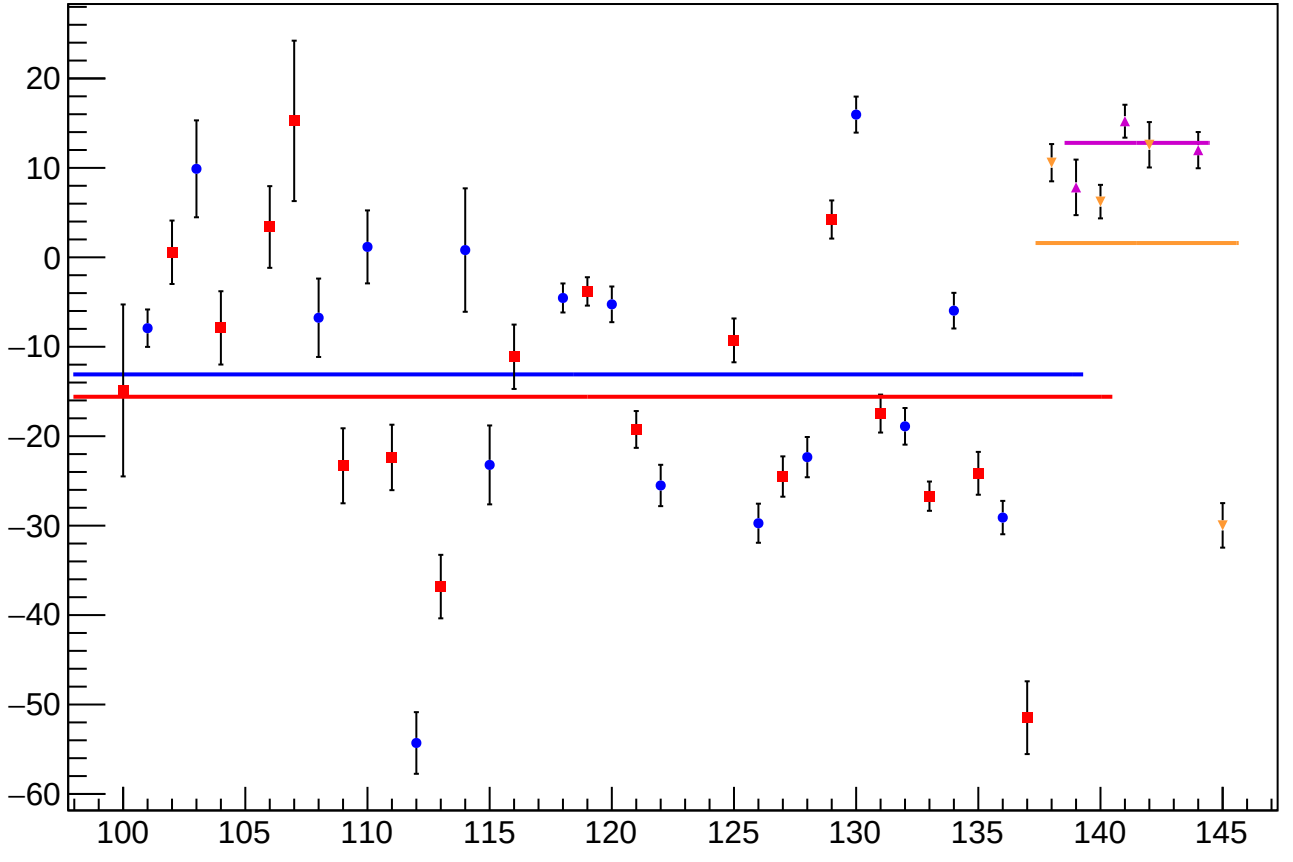
Left In: 75.467+/-1.226 χ^2/NDF:139.4/2

+ sign 47.836+/-0.517 χ^2/NDF: 8251.7/19

All: 51.718+/-0.377 χ^2/NDF: 15434.8/40

- sign 56.098+/-0.550 χ^2/NDF: 7063.3/20

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.599+/-1.097 χ^2/NDF:204.2/3

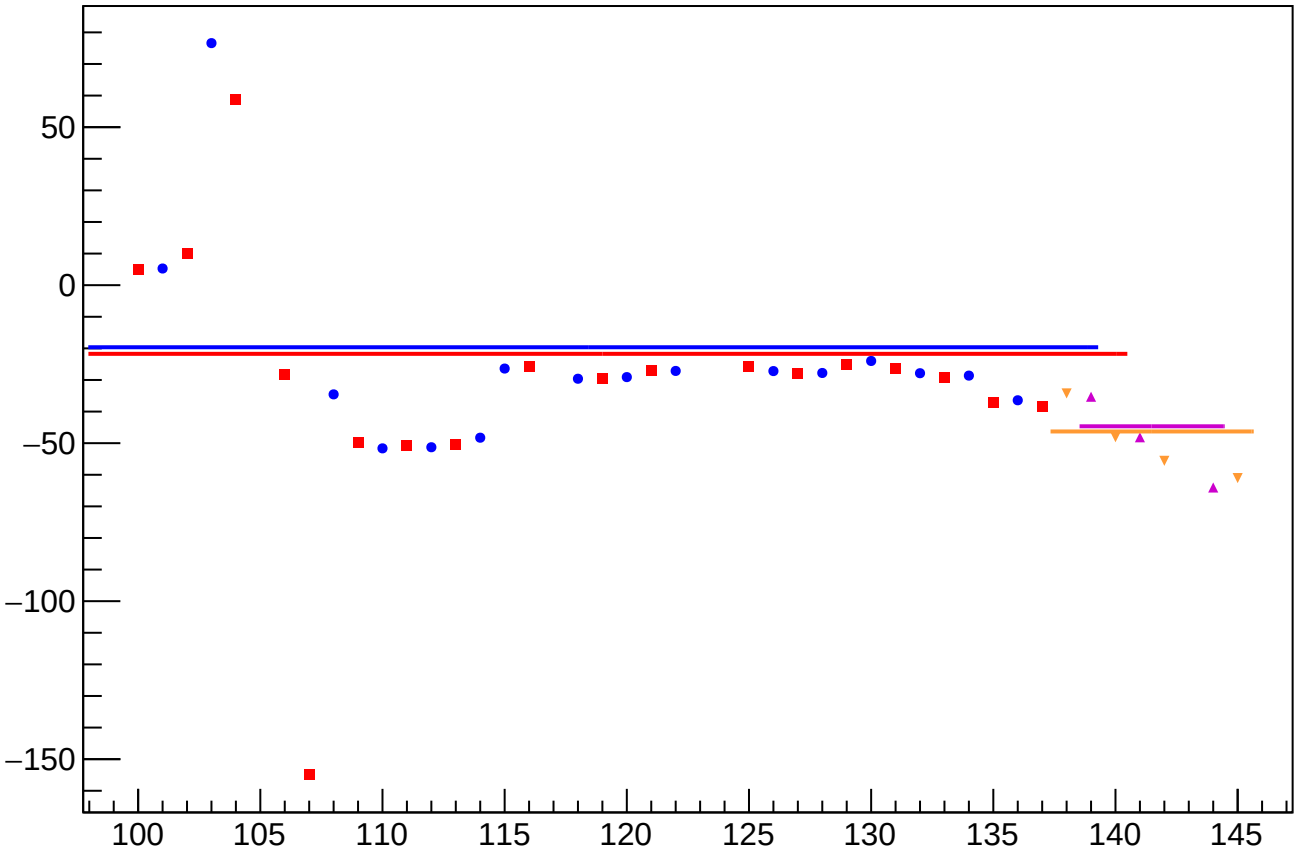
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 12.797+/-1.248 χ^2/NDF:4.5/2

+ sign -9.708+/-0.526 χ^2/NDF: 982.3/19

All: -9.783+/-0.383 χ^2/NDF: 1801.9/40

- sign -9.868+/-0.560 χ^2/NDF: 819.6/20



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

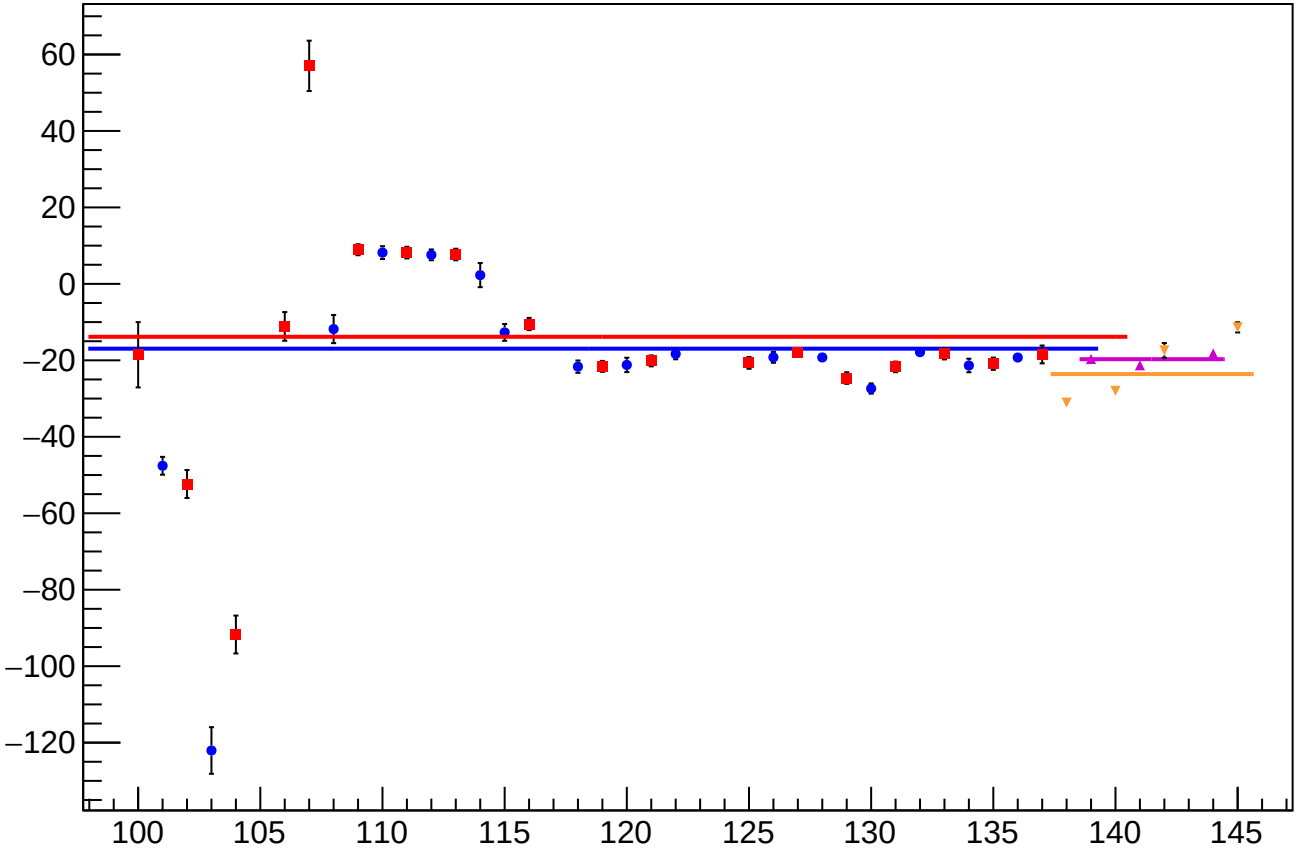
Left In: -44.658+/-0.048 χ^2/NDF:53086.5/2

\+ sign -29.866+/-0.028 χ^2/NDF: 909974.6/19

All: -30.322+/-0.021 χ^2/NDF: 1648394.3/40

\- sign -30.840+/-0.030 χ^2/NDF: 737866.4/20

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

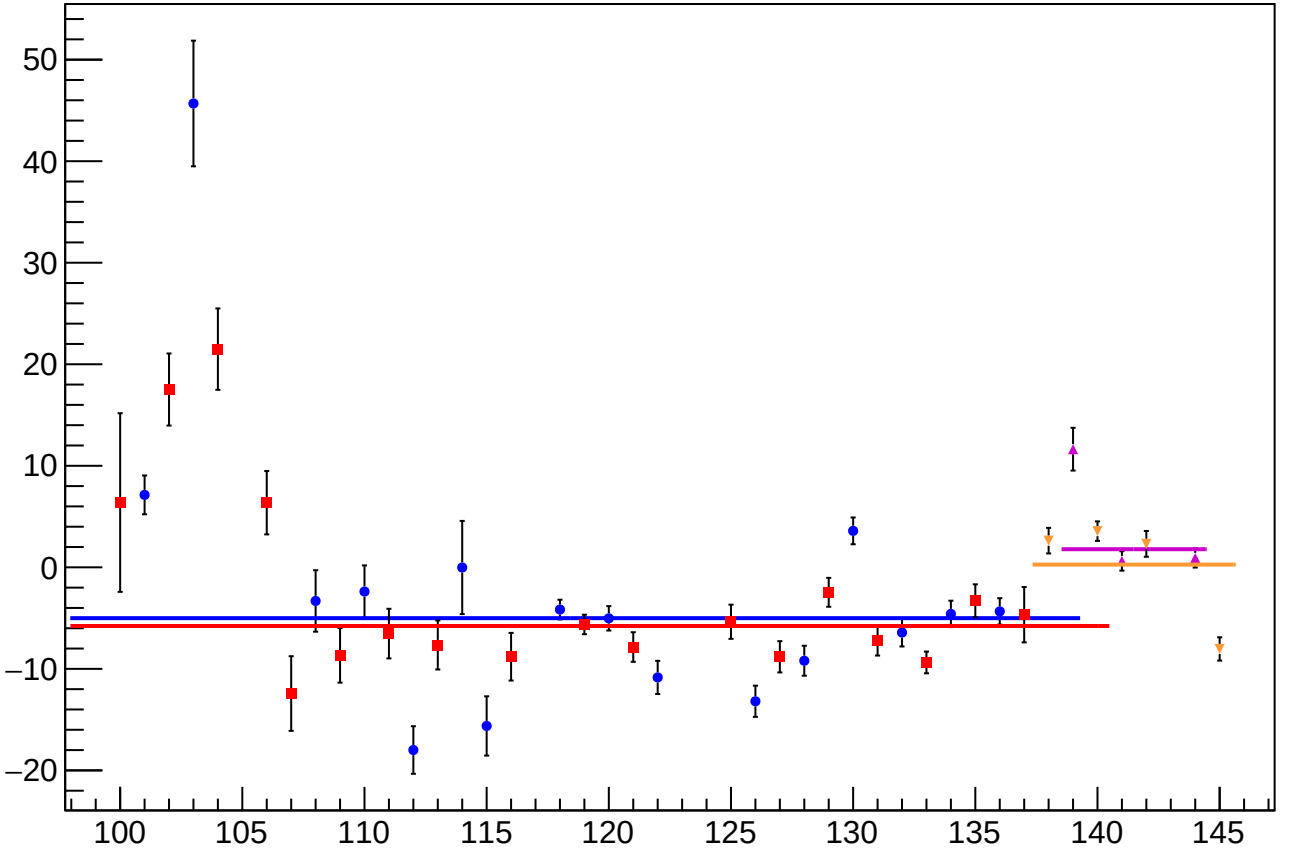
Left In: -19.700+/-0.718 χ^2/NDF:2.9/2

\+ sign -18.753+/-0.345 χ^2/NDF: 1349.2/19

All: -17.067+/-0.247 χ^2/NDF: 2784.9/40

\- sign -15.274+/-0.356 χ^2/NDF: 1386.3/20

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

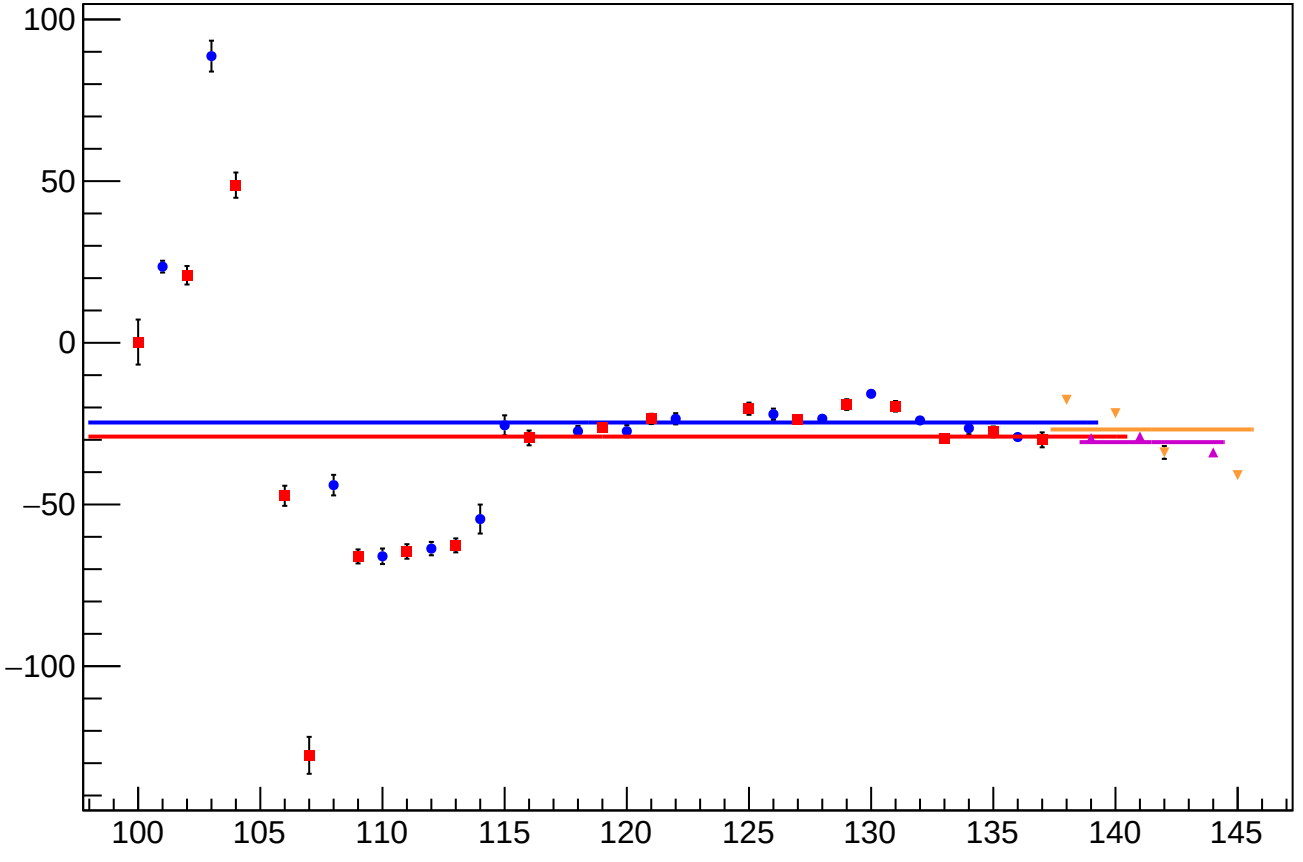
Left In: 1.784+/-0.641 χ^2/NDF:24.2/2

+ sign -3.250+/-0.328 χ^2/NDF: 375.7/19

All: -3.371+/-0.240 χ^2/NDF: 637.0/40

- sign -3.510+/-0.351 χ^2/NDF: 261.1/20

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

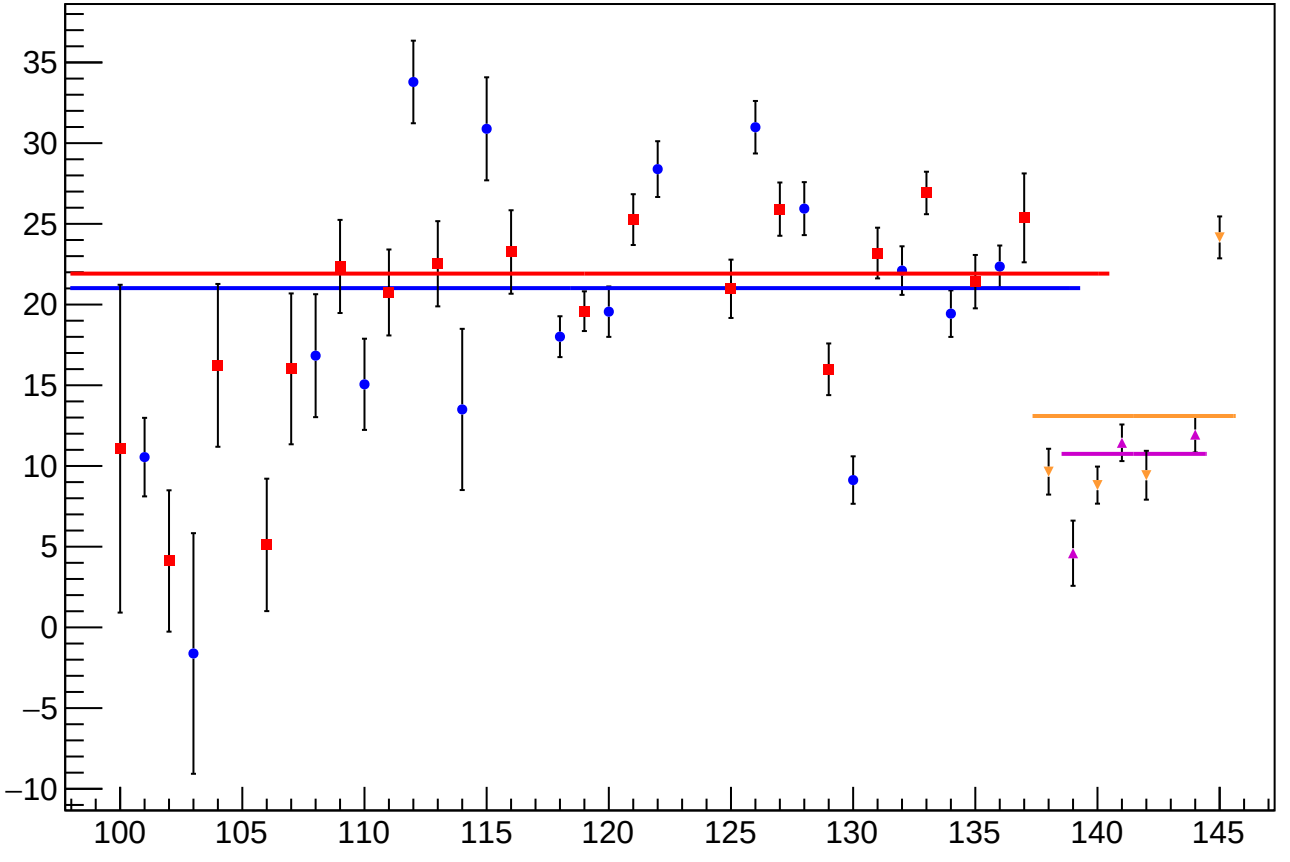
Left In: -30.716+/-0.742 χ^2/NDF:8.5/2

+ sign -25.304+/-0.378 χ^2/NDF: 2250.9/19

All: -27.285+/-0.275 χ^2/NDF: 4273.5/40

- sign -29.500+/-0.400 χ^2/NDF: 1964.6/20

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

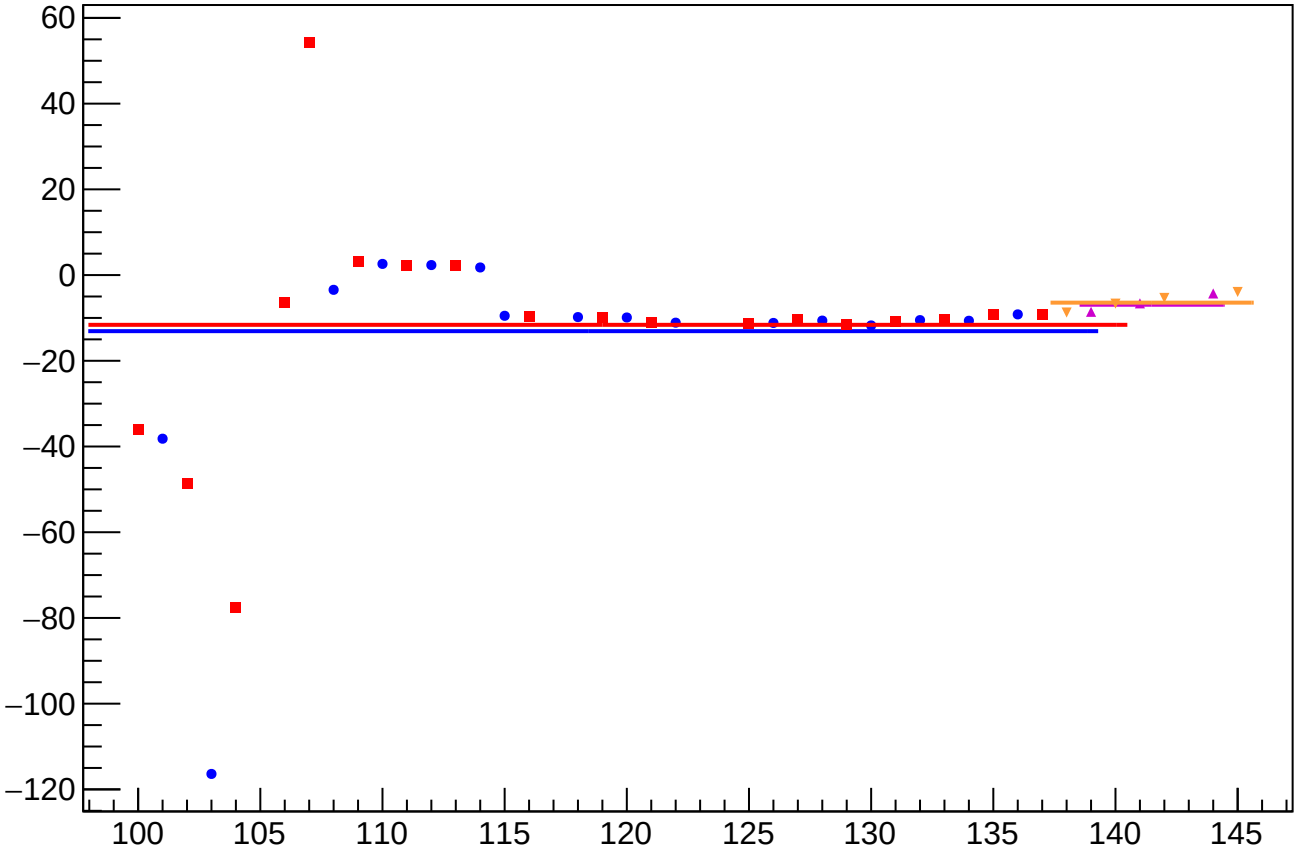
Left In: 10.750+/-0.737 χ^2/NDF:10.8/2

+ sign 18.451+/-0.377 χ^2/NDF: 404.8/19

All: 18.525+/-0.275 χ^2/NDF: 659.7/40

- sign 18.609+/-0.401 χ^2/NDF: 254.8/20

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

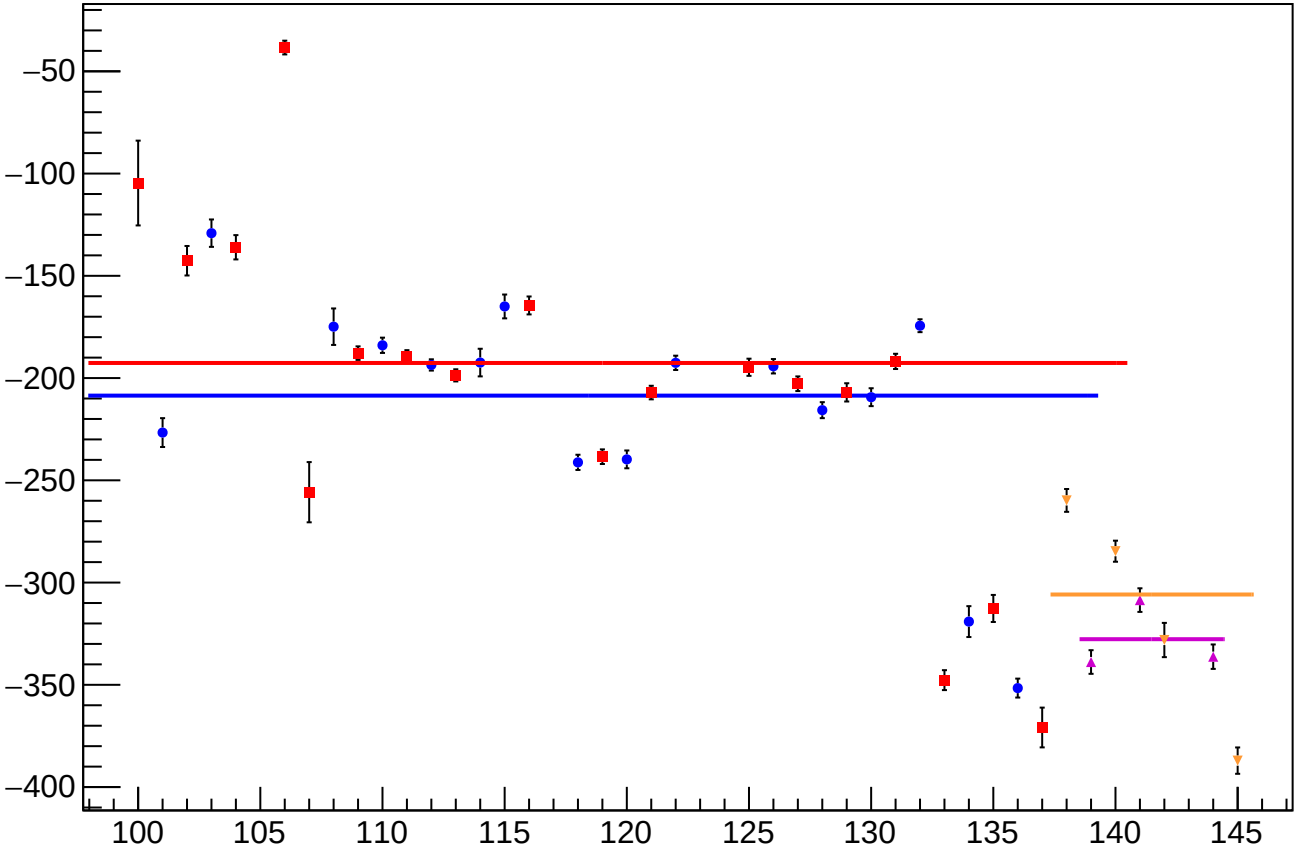
Left In: -6.922+/-0.029 χ^2/NDF:3473.2/2

+ sign -9.713+/-0.020 χ^2/NDF: 377275.5/19

All: -9.450+/-0.015 χ^2/NDF: 707393.1/40

- sign -9.150+/-0.021 χ^2/NDF: 329744.6/20

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

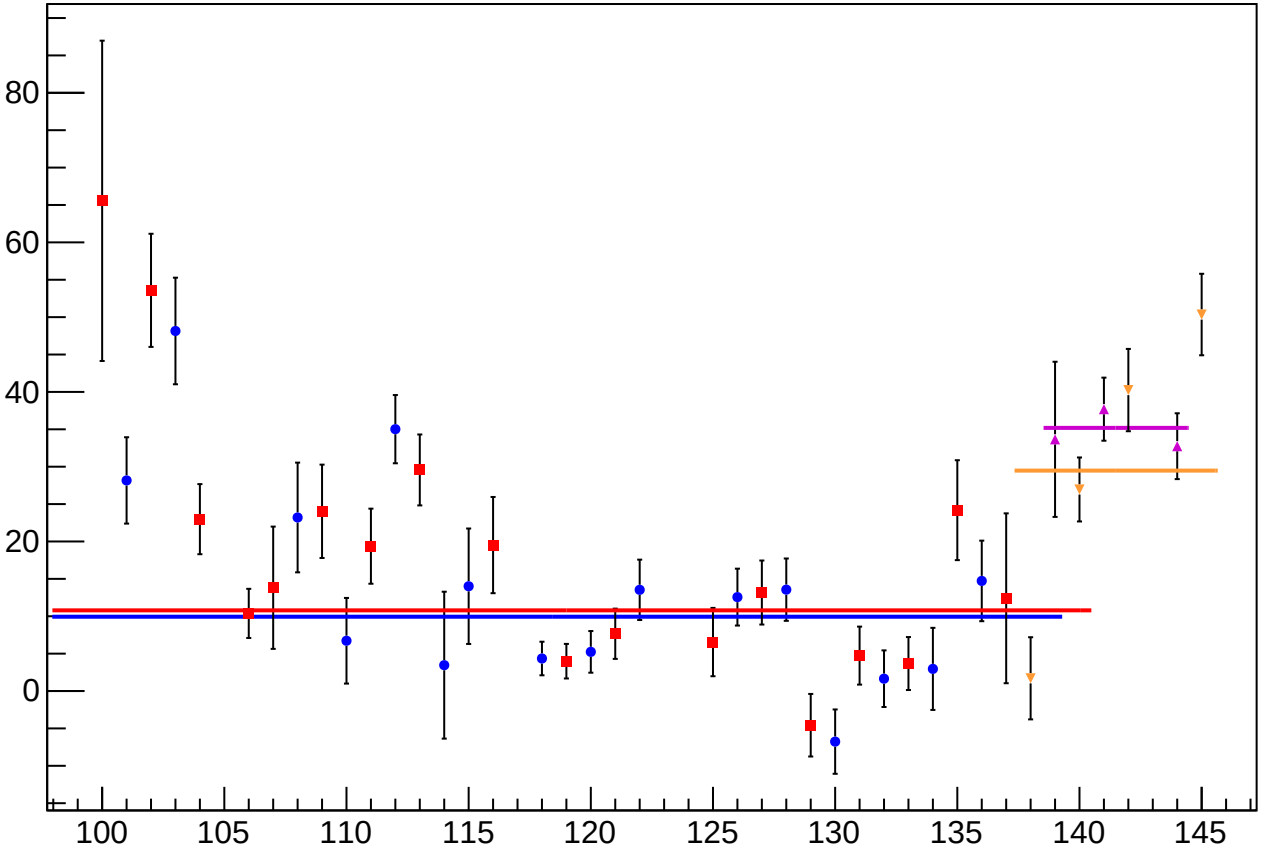
Left In: -327.690+/-3.372 χ^2/NDF:16.7/2

+ sign -219.239+/-1.006 χ^2/NDF: 2913.0/19

All: -210.987+/-0.694 χ^2/NDF: 8740.2/40

- sign -203.514+/-0.958 χ^2/NDF: 5699.1/20

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

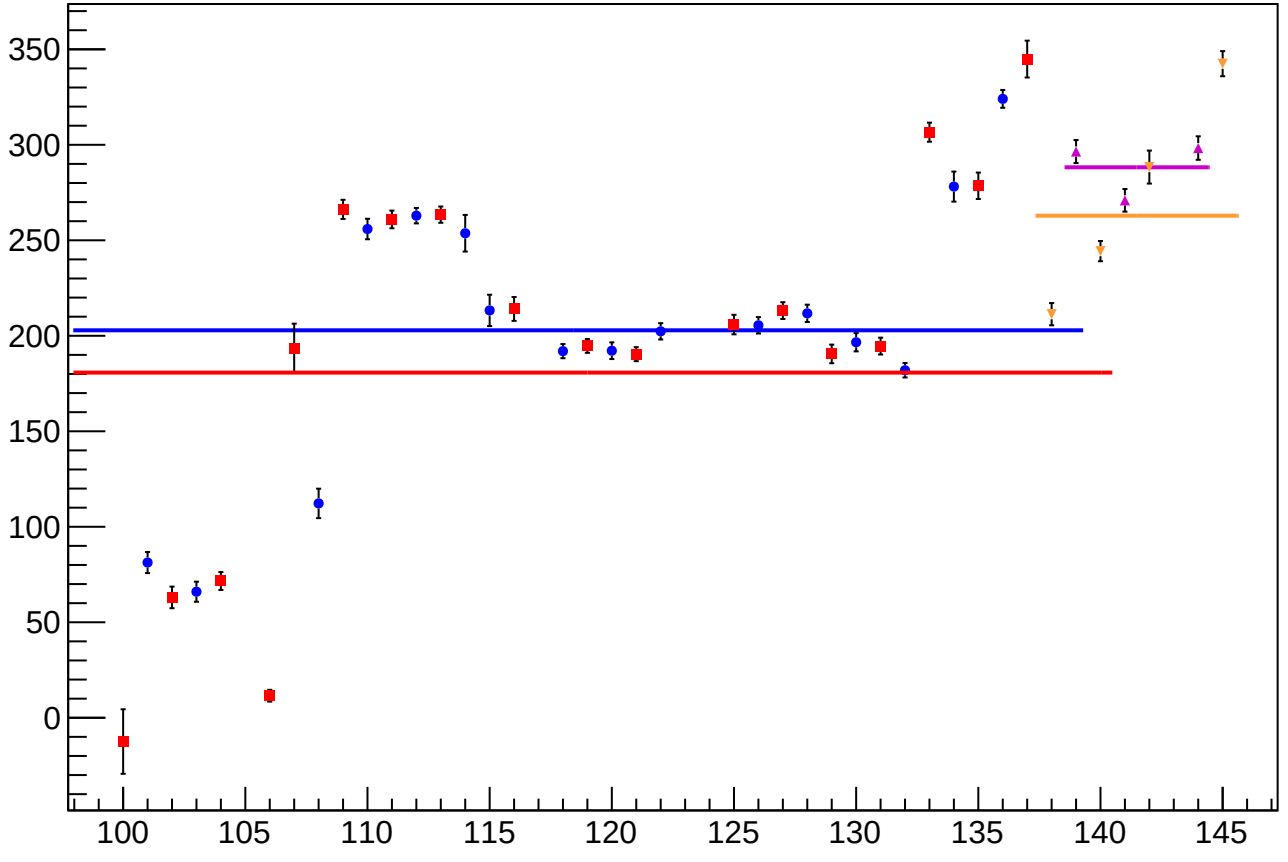
Left In: 35.191+/-2.922 χ^2/NDF:0.7/2

+ sign 12.853+/-0.983 χ^2/NDF: 201.2/19

All: 13.201+/-0.695 χ^2/NDF: 369.0/40

- sign 13.549+/-0.983 χ^2/NDF: 167.6/20

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

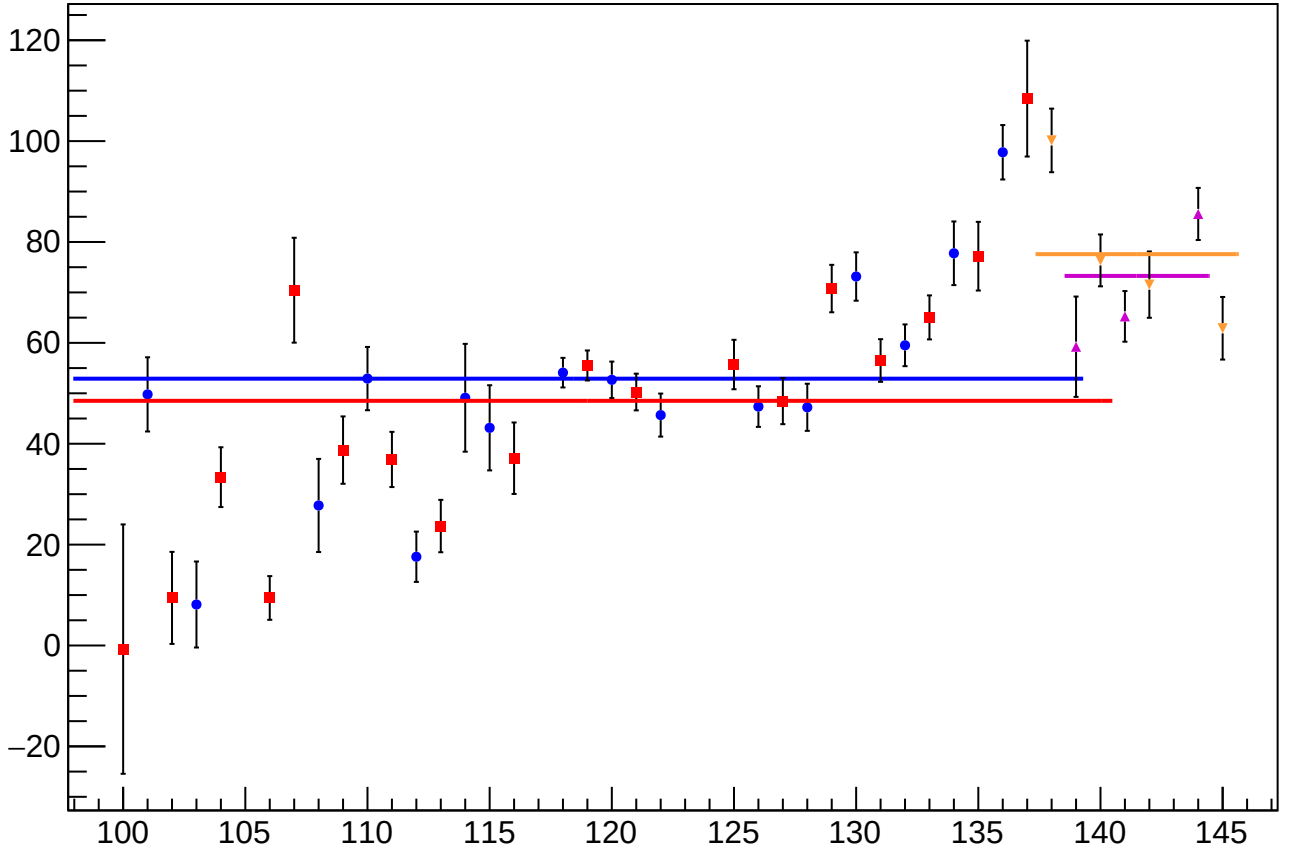
Left In: 288.222+/-3.482 χ^2/NDF:13.1/2

+ sign 210.827+/-1.142 χ^2/NDF: 3028.0/19

All: 200.527+/-0.787 χ^2/NDF: 10404.2/40

- sign 191.195+/-1.087 χ^2/NDF: 7221.0/20

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

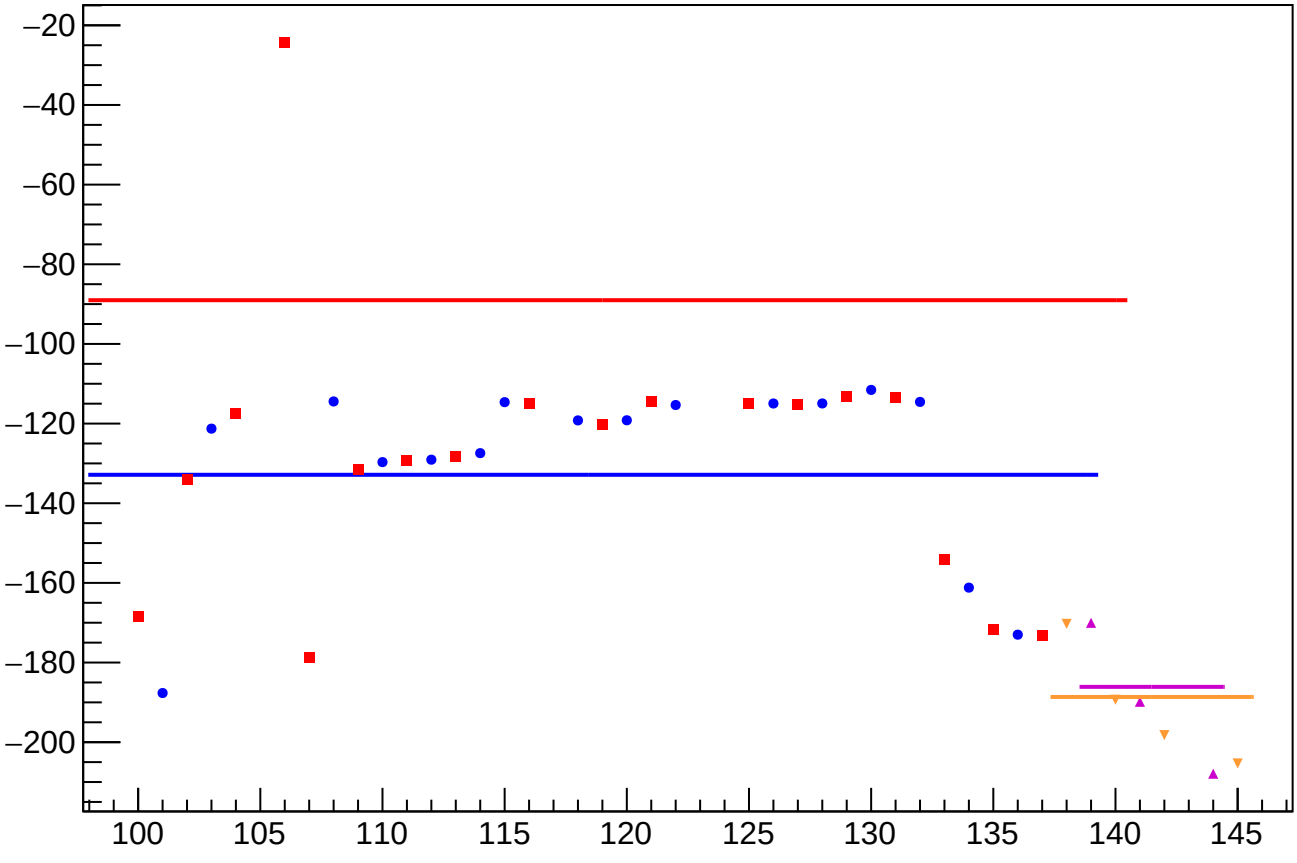
Left In: 73.273+/-3.386 χ^2/NDF:10.2/2

+ sign 56.535+/-1.146 χ^2/NDF: 275.9/19

All: 53.926+/-0.809 χ^2/NDF: 583.8/40

- sign 51.333+/-1.143 χ^2/NDF: 297.6/20

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

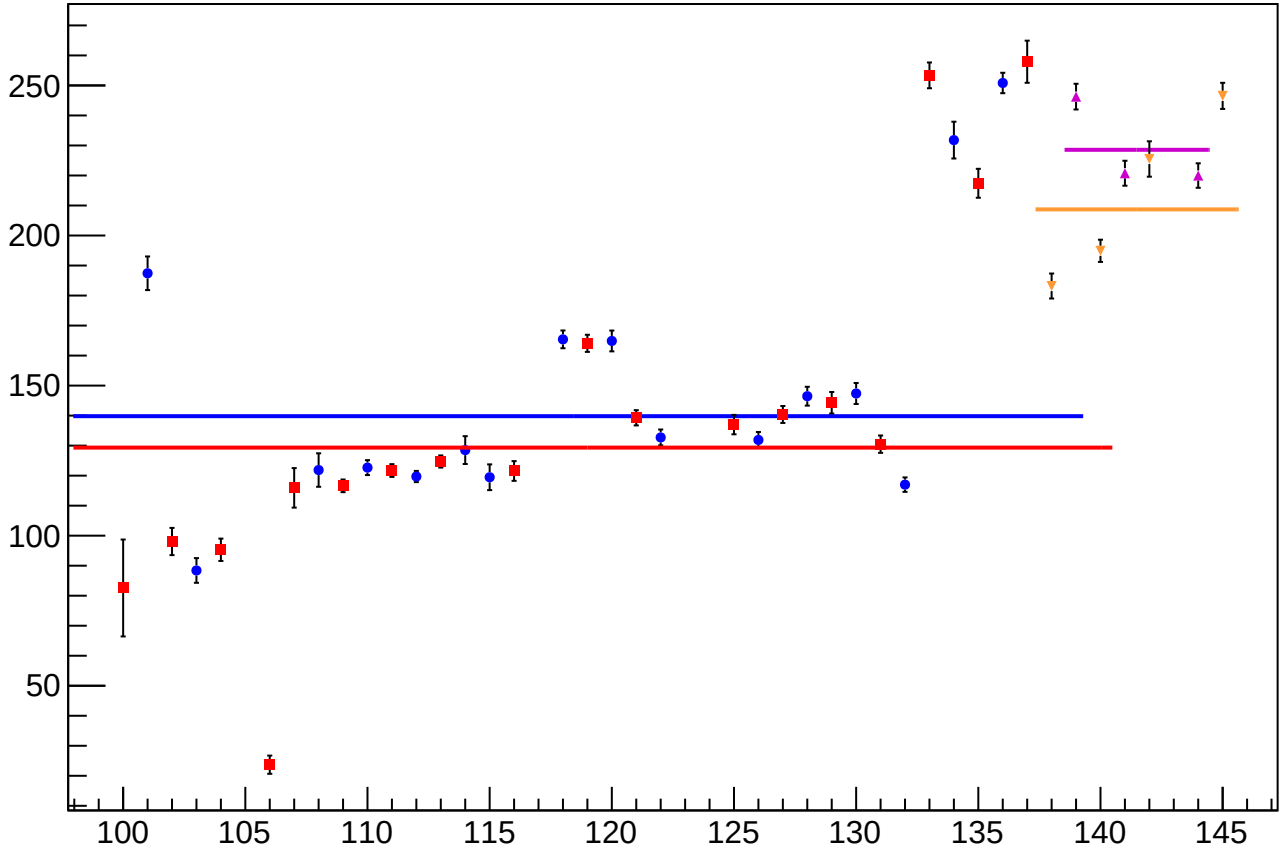
Left In: -186.102+/-0.139 χ^2/NDF:12121.7/2

+ sign -148.492+/-0.069 χ^2/NDF: 236284.2/19

All: -123.733+/-0.045 χ^2/NDF: 1599483.3/40

- sign -106.096+/-0.058 χ^2/NDF: 1142831.6/20

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

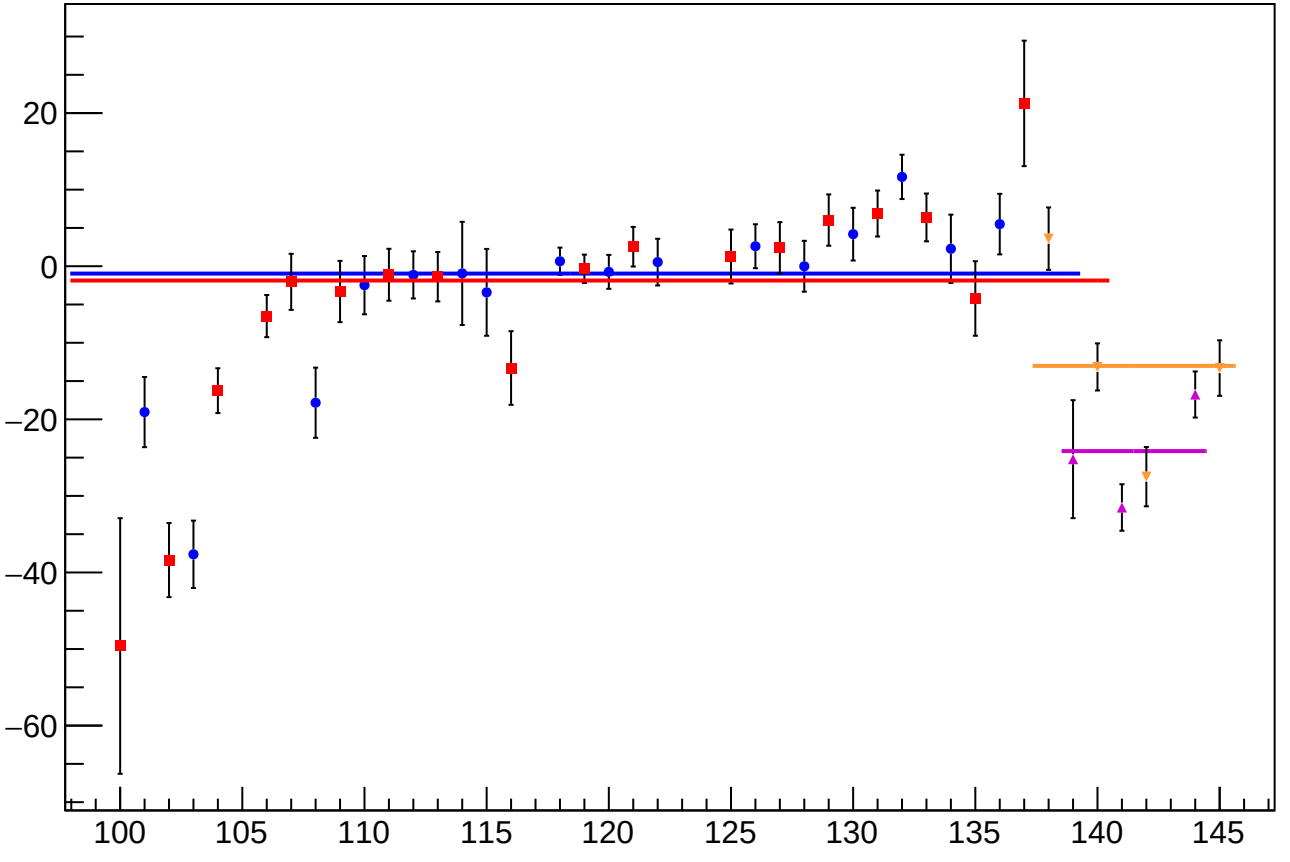
Left In: 228.558+/-2.408 χ^2/NDF:25.1/2

\+ sign 147.778+/-0.738 χ^2/NDF: 2992.1/19

All: 142.535+/-0.509 χ^2/NDF: 7790.1/40

\- sign 137.784+/-0.702 χ^2/NDF: 4701.8/20

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

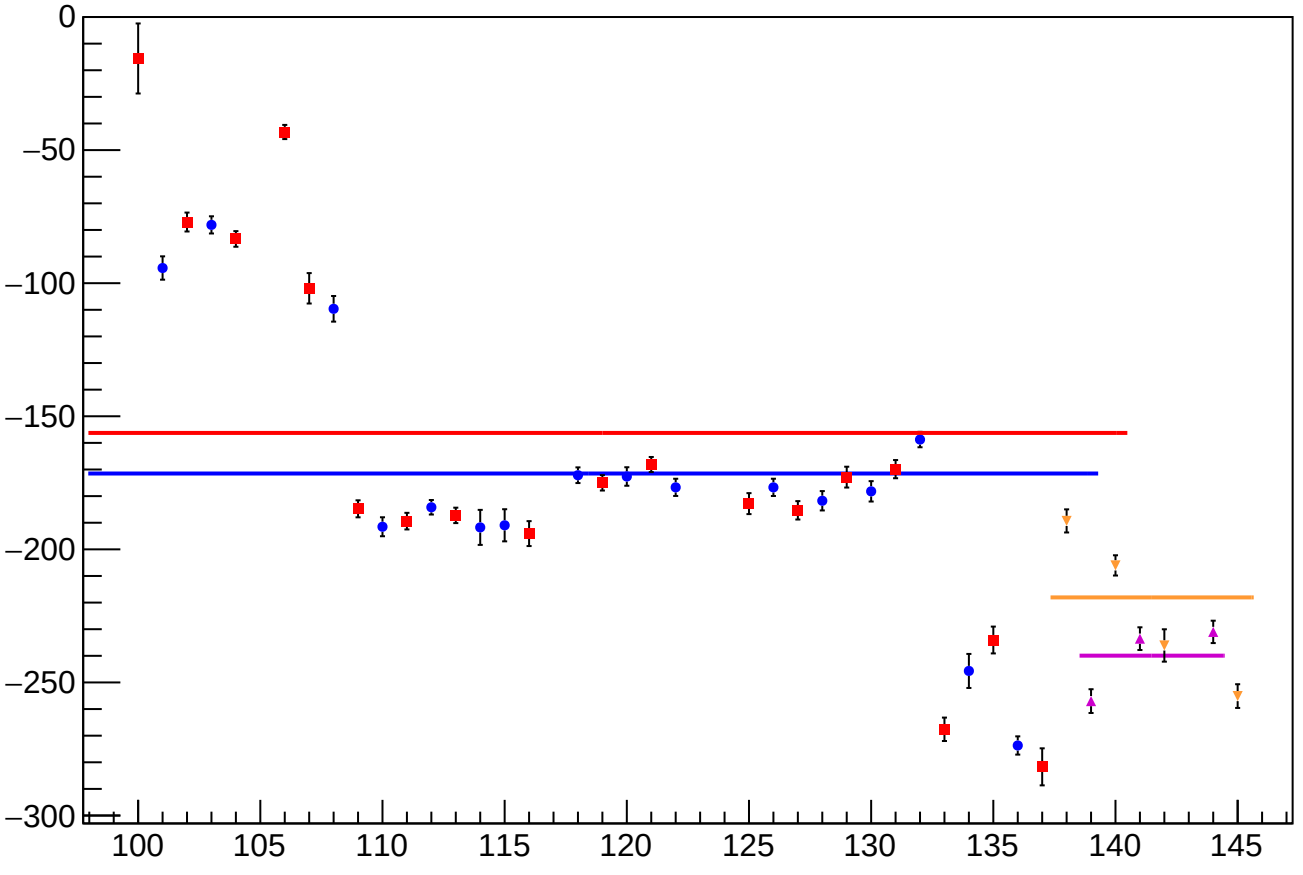
Left In: -24.145+/-2.060 χ^2/NDF:11.9/2

+ sign -2.986+/-0.737 χ^2/NDF: 194.0/19

All: -3.841+/-0.520 χ^2/NDF: 443.9/40

- sign -4.684+/-0.732 χ^2/NDF: 247.3/20

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

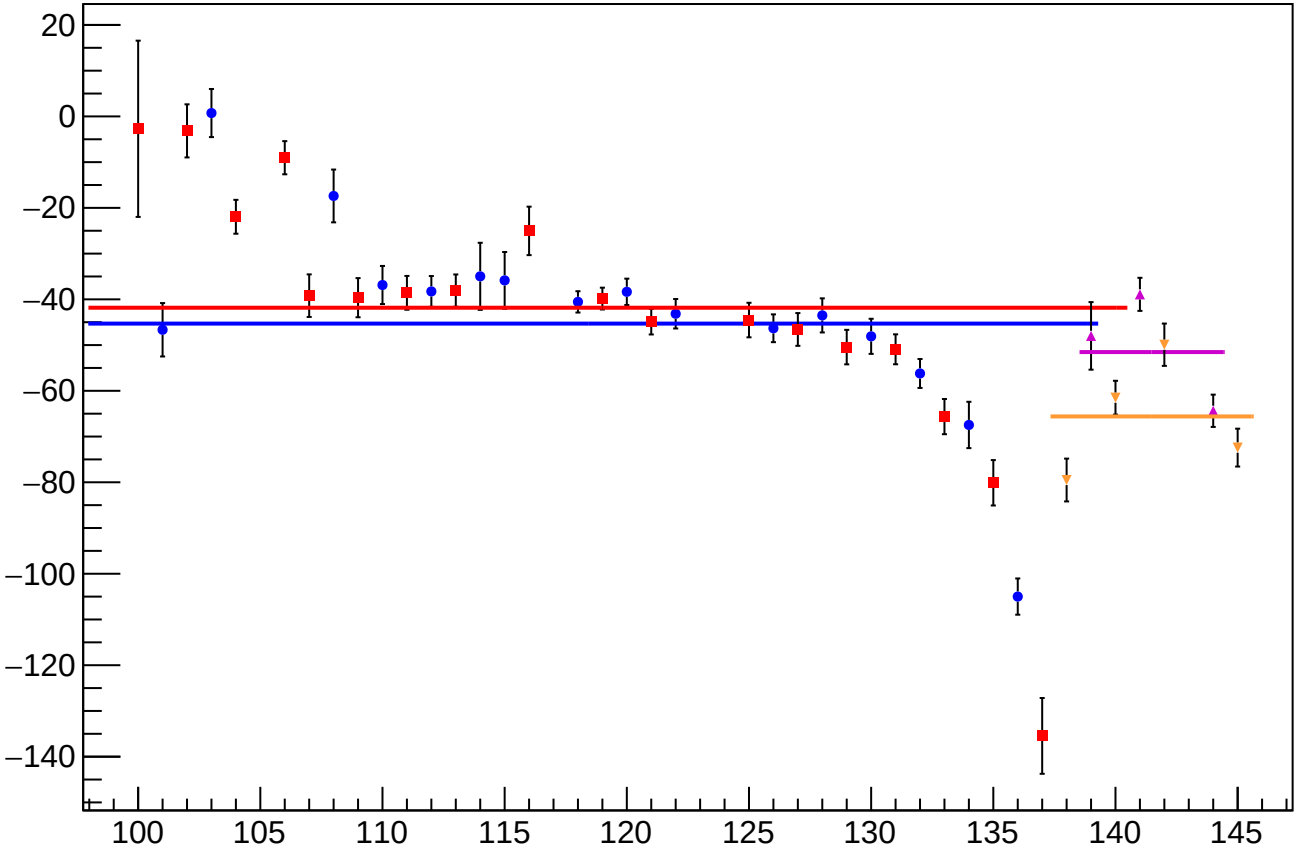
Left In: -239.940+/-2.486 χ^2/NDF:21.4/2

+ sign -178.068+/-0.840 χ^2/NDF: 2946.1/19

All: -171.212+/-0.580 χ^2/NDF: 9014.0/40

- sign -164.969+/-0.802 χ^2/NDF: 5940.8/20

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

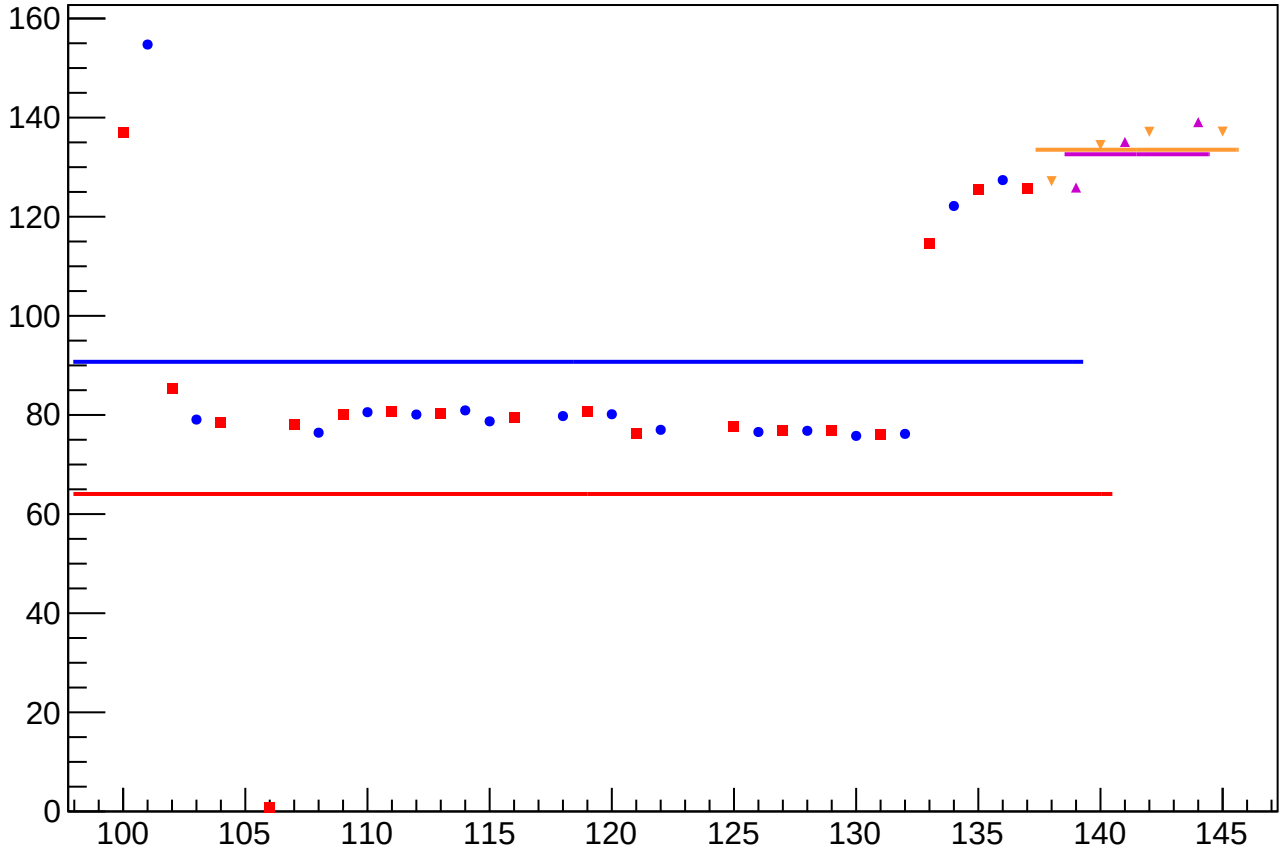
Left In: -51.531+/-2.390 χ^2/NDF:25.6/2

+ sign -48.642+/-0.857 χ^2/NDF: 483.4/19

All: -45.827+/-0.603 χ^2/NDF: 959.0/40

- sign -43.058+/-0.850 χ^2/NDF: 454.3/20

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

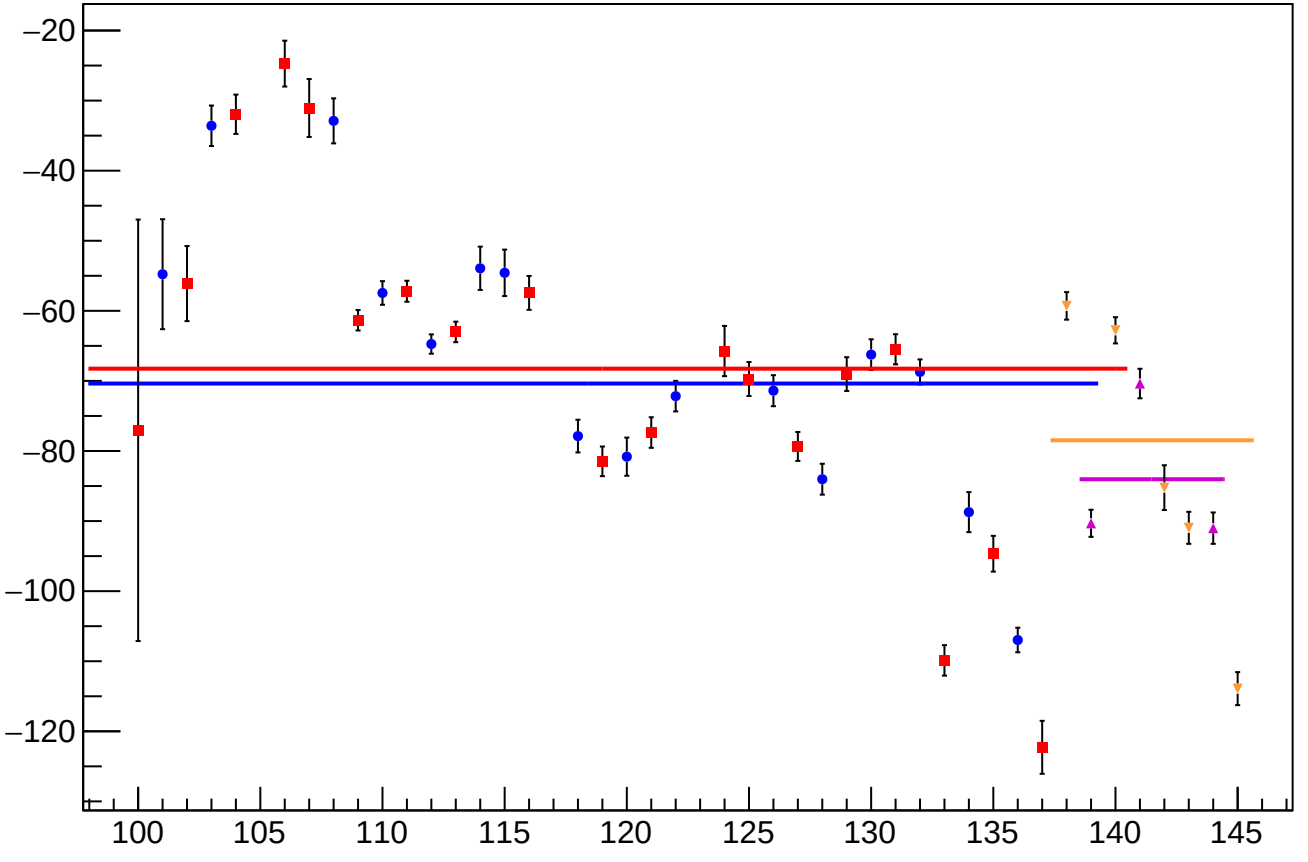
Left In: 132.602+/-0.100 χ^2/NDF:3171.9/2

+ sign 102.844+/-0.050 χ^2/NDF: 314748.1/19

All: 88.741+/-0.033 χ^2/NDF: 1503851.4/40

- sign 77.504+/-0.044 χ^2/NDF: 1043341.8/20

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

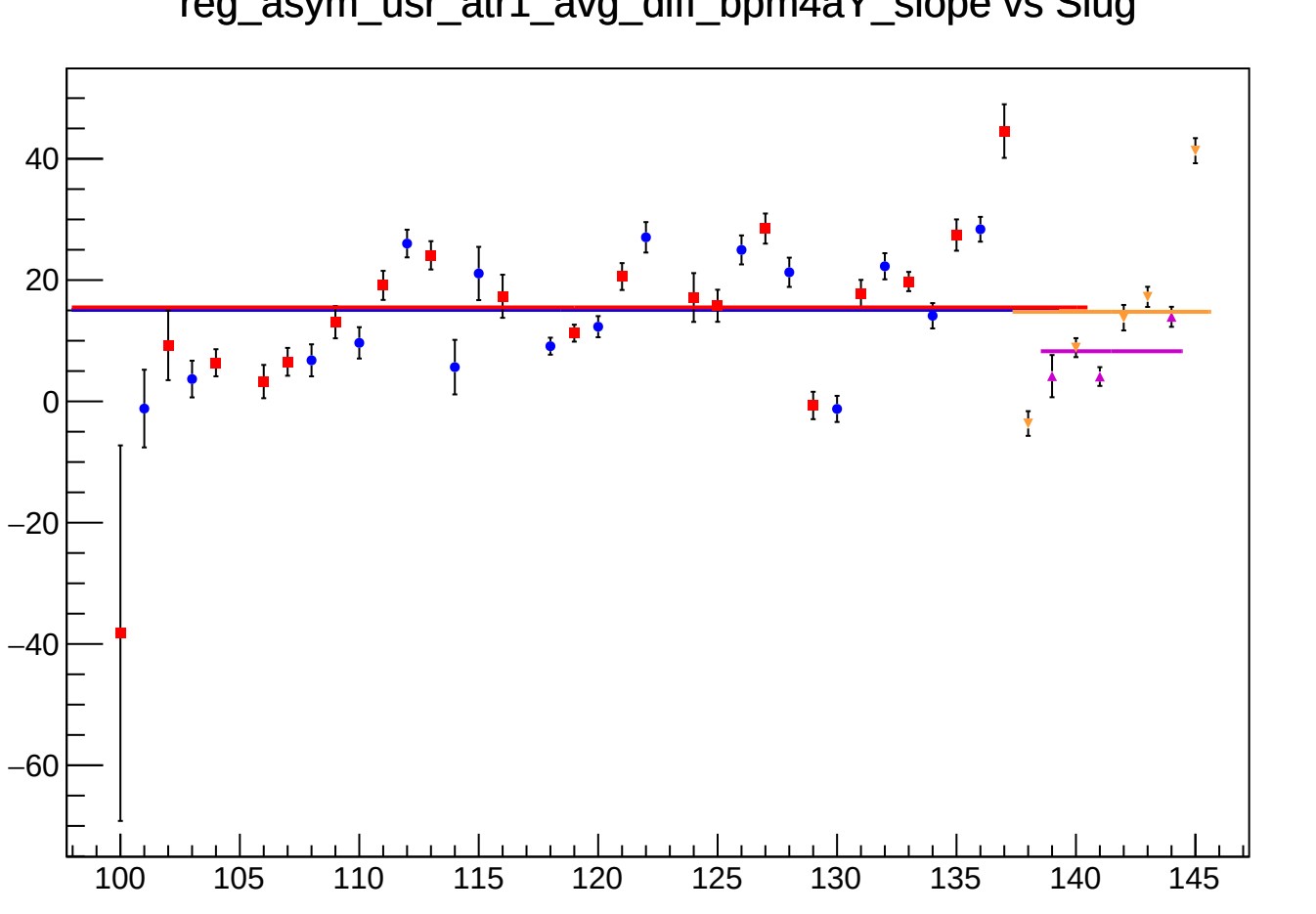
Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -84.031+/-1.202 χ^2/NDF:62.2/2

\+ sign -72.317+/-0.486 χ^2/NDF: 1451.6/20

All: -71.548+/-0.342 χ^2/NDF: 2969.3/42

\- sign -70.792+/-0.482 χ^2/NDF: 1512.7/21



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

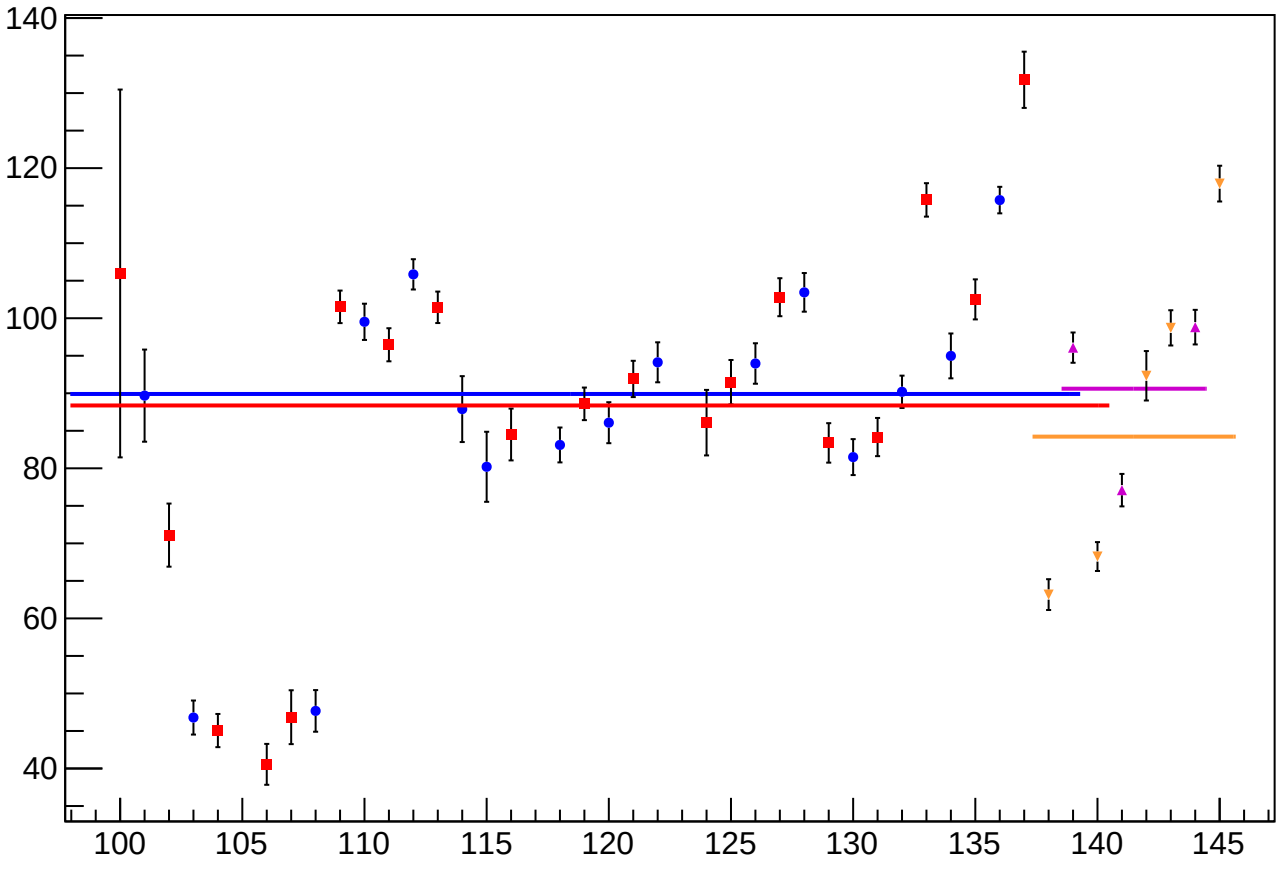
Left In: 8.269+/-1.074 χ^2/NDF:20.5/2

\+ sign 14.986+/-0.475 χ^2/NDF: 506.1/20

All: 14.493+/-0.343 χ^2/NDF: 803.7/42

\- sign 13.956+/-0.495 χ^2/NDF: 295.3/21

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

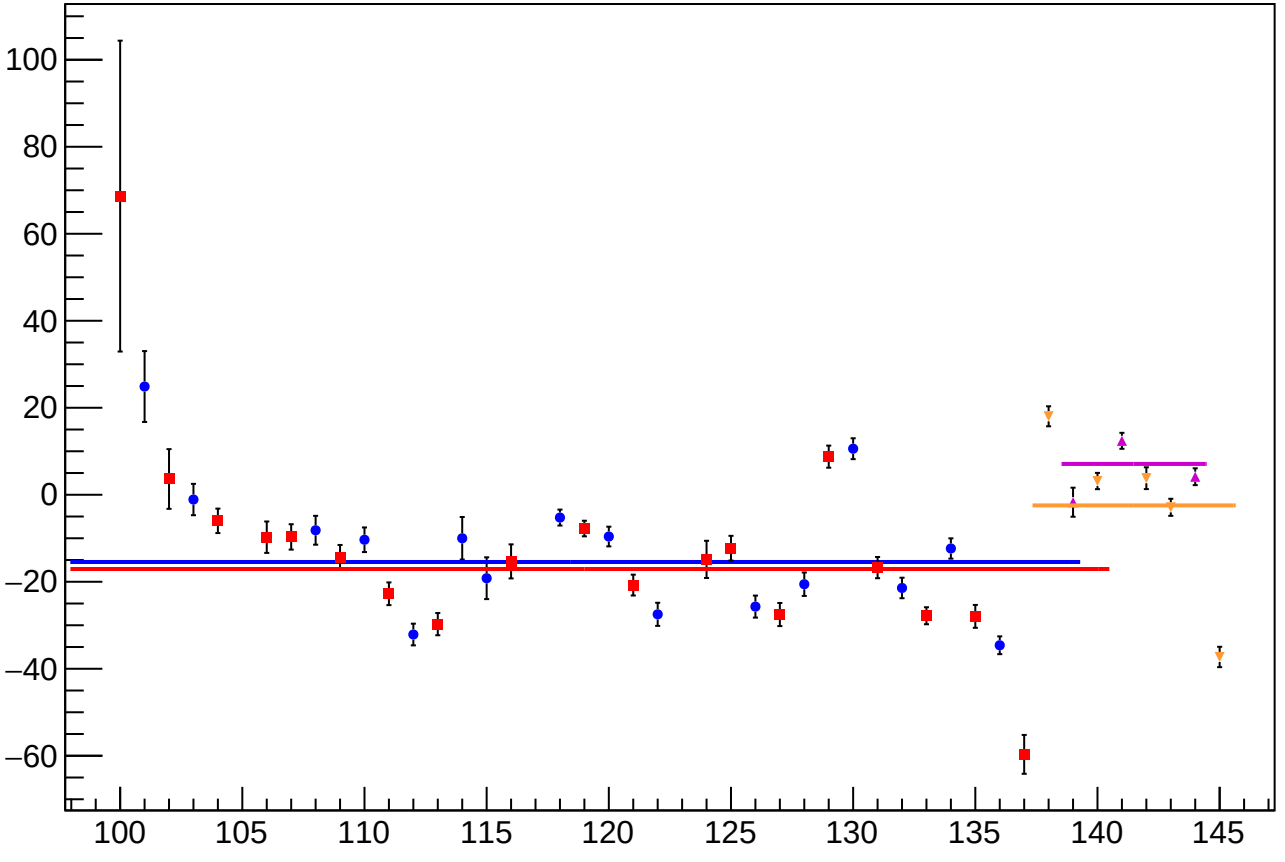
Left In: 90.609+/-1.242 χ^2/NDF:59.1/2

+ sign 88.304+/-0.543 χ^2/NDF: 1388.2/20

All: 88.556+/-0.387 χ^2/NDF: 2739.2/42

- sign 88.817+/-0.553 χ^2/NDF: 1350.5/21

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

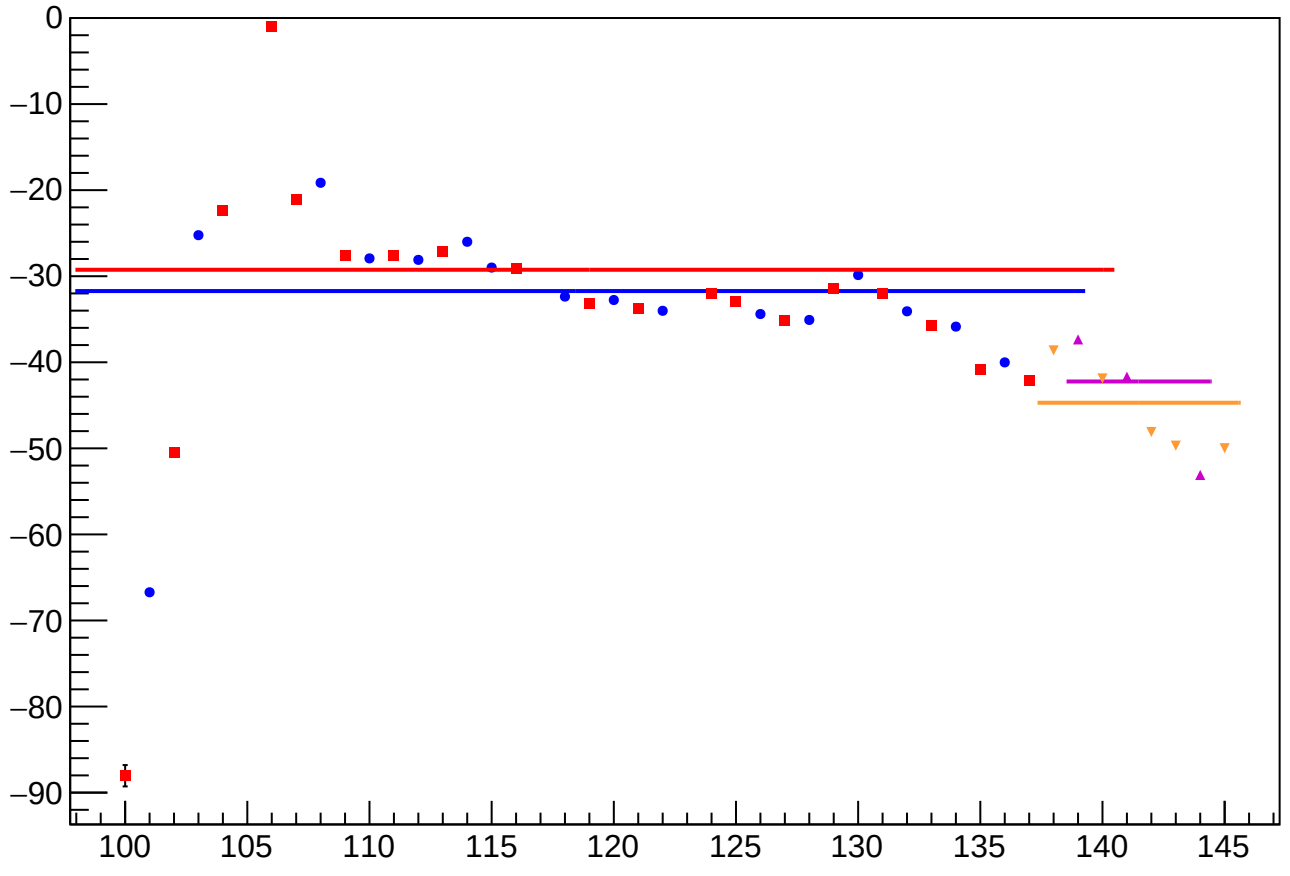
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 7.089+/-1.237 χ^2/NDF:17.6/2

+ sign -11.258+/-0.548 χ^2/NDF: 825.6/20

All: -11.577+/-0.395 χ^2/NDF: 1504.8/42

- sign -11.923+/-0.571 χ^2/NDF: 678.5/21



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

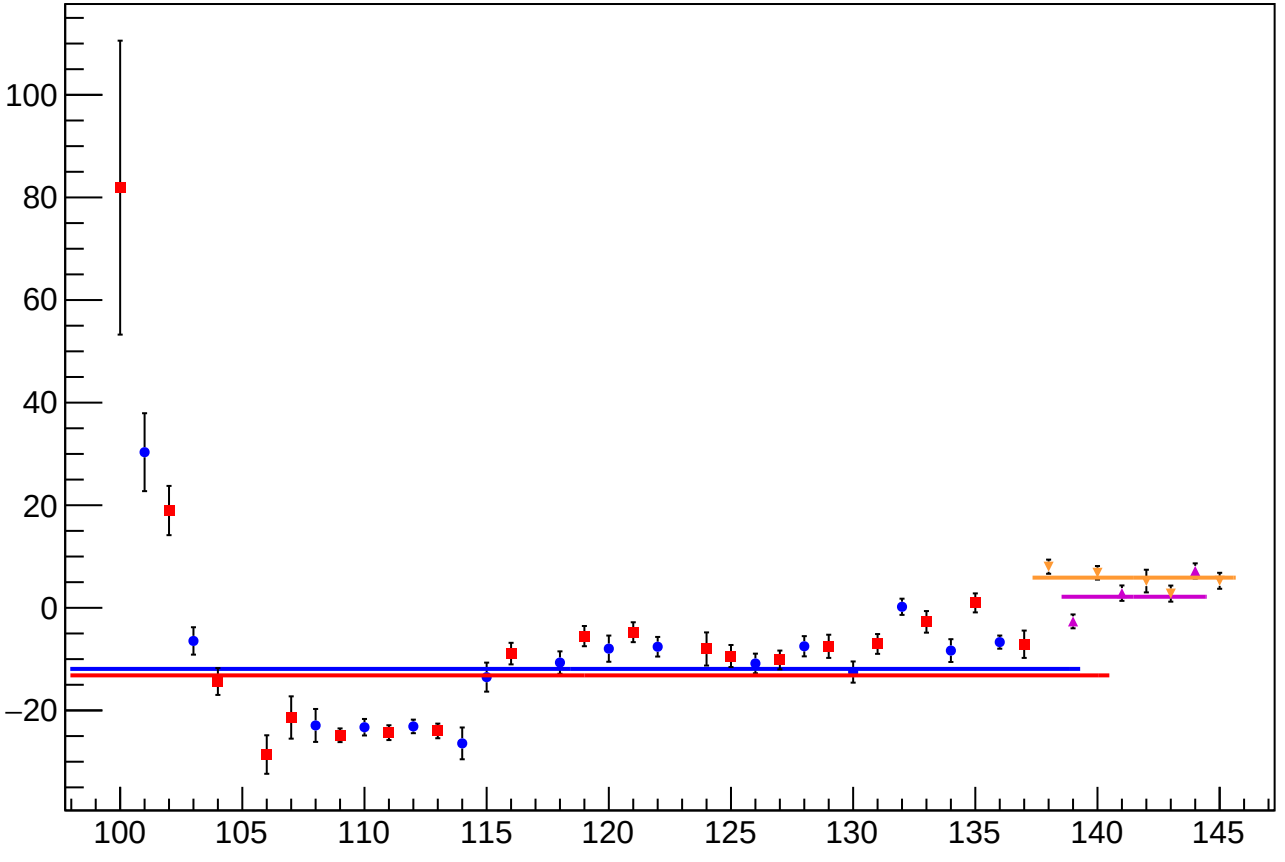
Left In: -42.232+/-0.049 χ^2/NDF:15727.9/2

+ sign -37.619+/-0.028 χ^2/NDF: 104293.7/20

All: -36.007+/-0.021 χ^2/NDF: 265491.0/42

- sign -34.186+/-0.030 χ^2/NDF: 154362.8/21

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

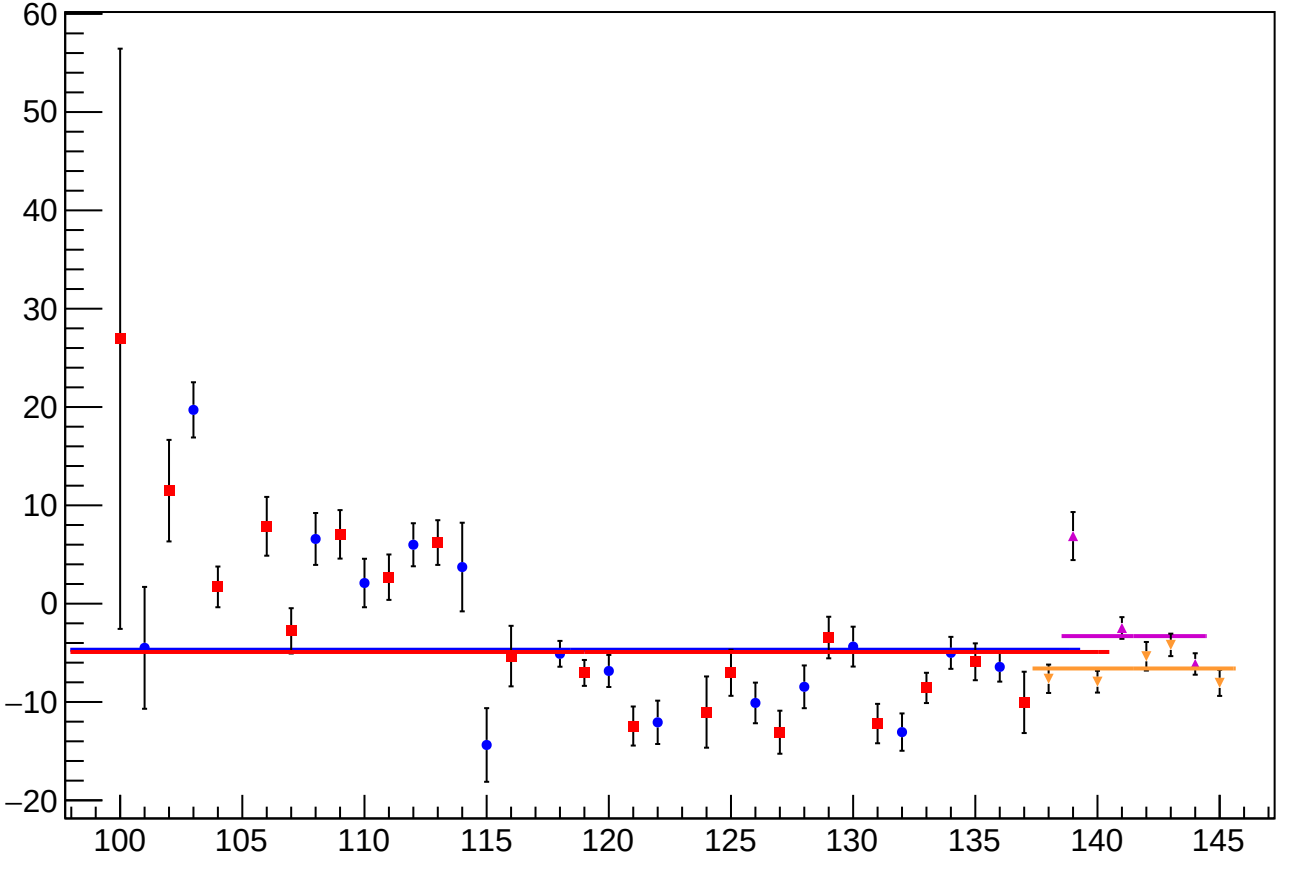
Left In: 2.158+/-0.830 χ^2/NDF:24.5/2

+ sign -5.797+/-0.402 χ^2/NDF: 729.7/20

All: -7.506+/-0.289 χ^2/NDF: 1468.4/42

- sign -9.328+/-0.416 χ^2/NDF: 701.4/21

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

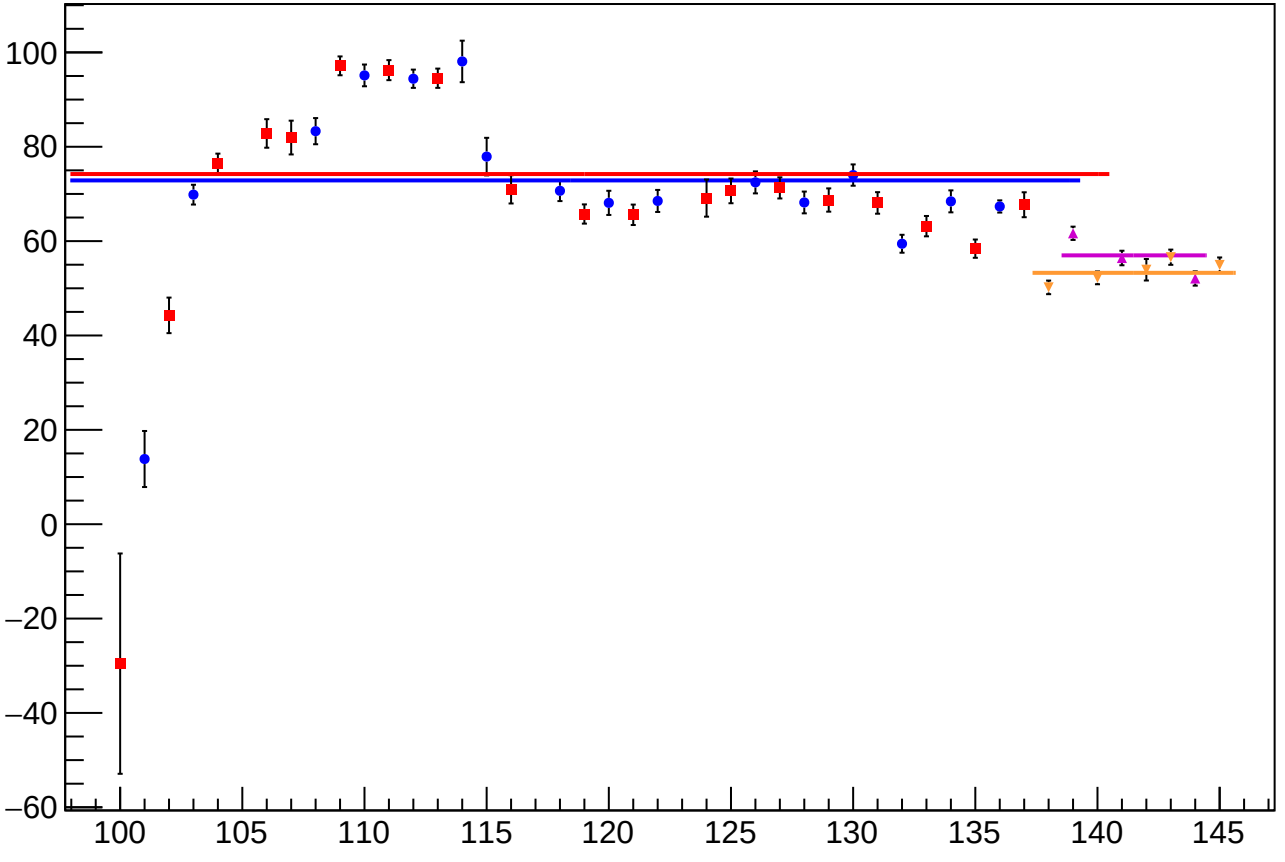
Left In: -3.299+/-0.740 χ^2/NDF:24.7/2

+ sign -5.550+/-0.382 χ^2/NDF: 193.6/20

All: -5.026+/-0.283 χ^2/NDF: 381.5/42

- sign -4.389+/-0.421 χ^2/NDF: 183.7/21

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

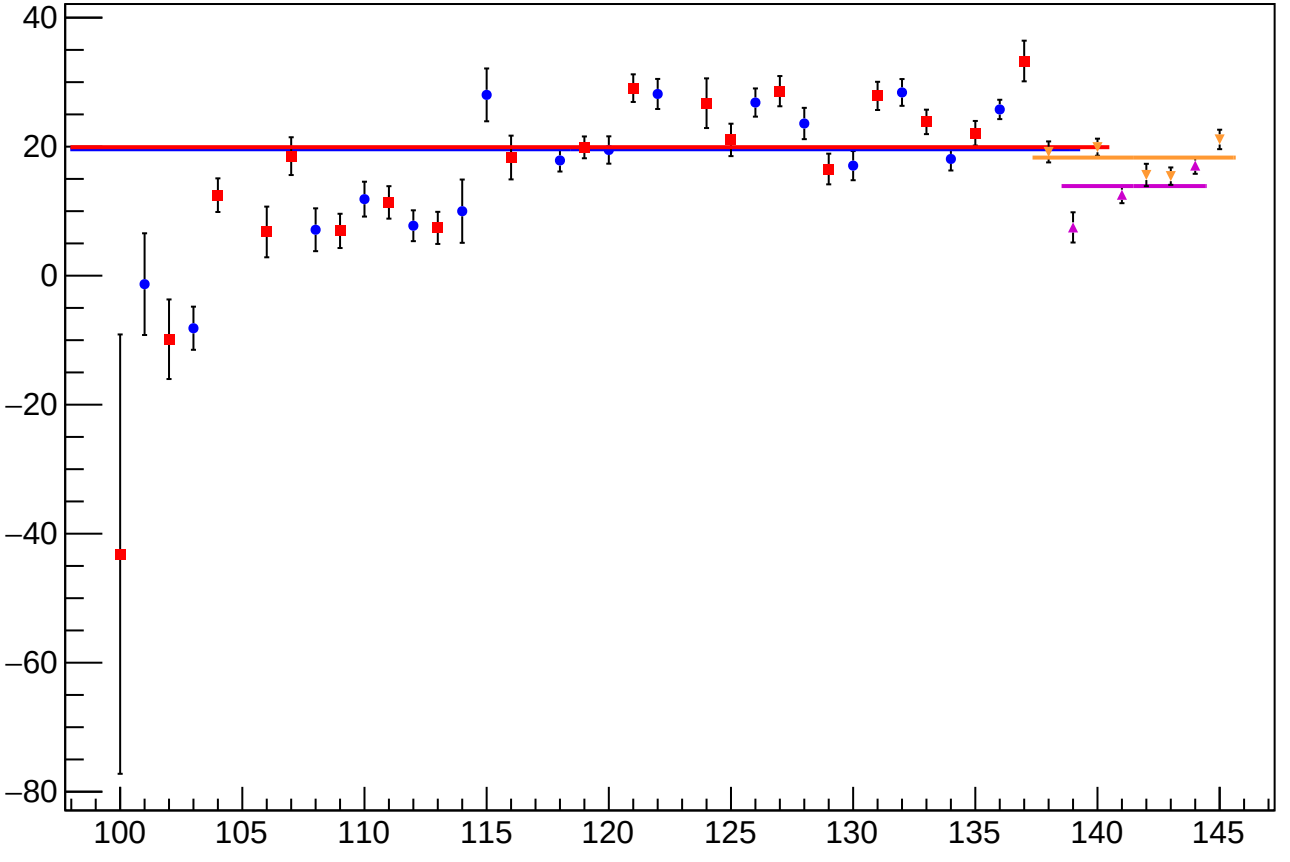
Left In: 56.980+/-0.858 χ^2/NDF:21.6/2

+ sign 65.242+/-0.442 χ^2/NDF: 928.5/20

All: 67.021+/-0.322 χ^2/NDF: 1853.4/42

- sign 69.036+/-0.470 χ^2/NDF: 890.3/21

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

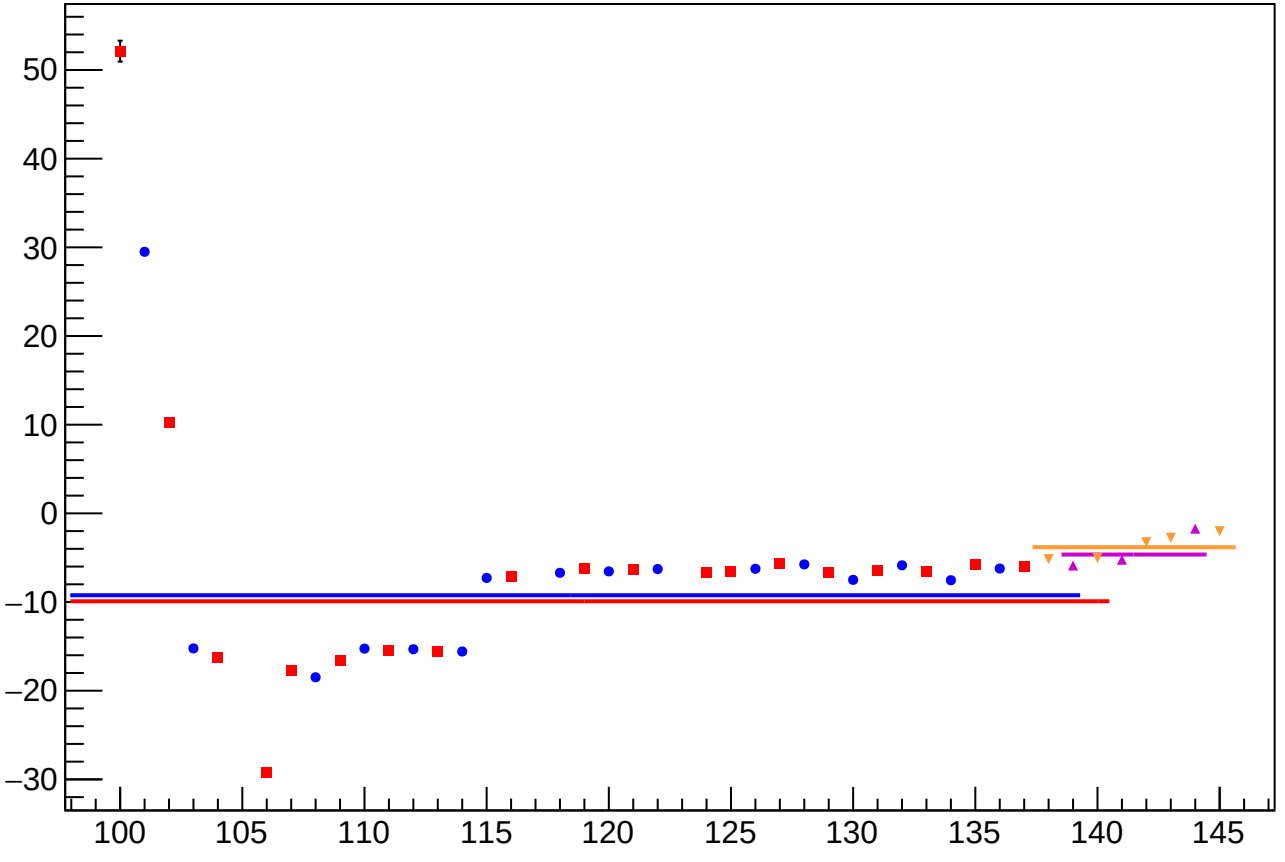
Left In: 13.890+/-0.852 χ^2/NDF:14.7/2

+ sign 19.033+/-0.439 χ^2/NDF: 210.3/20

All: 18.558+/-0.325 χ^2/NDF: 443.0/42

- sign 17.985+/-0.482 χ^2/NDF: 230.1/21

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

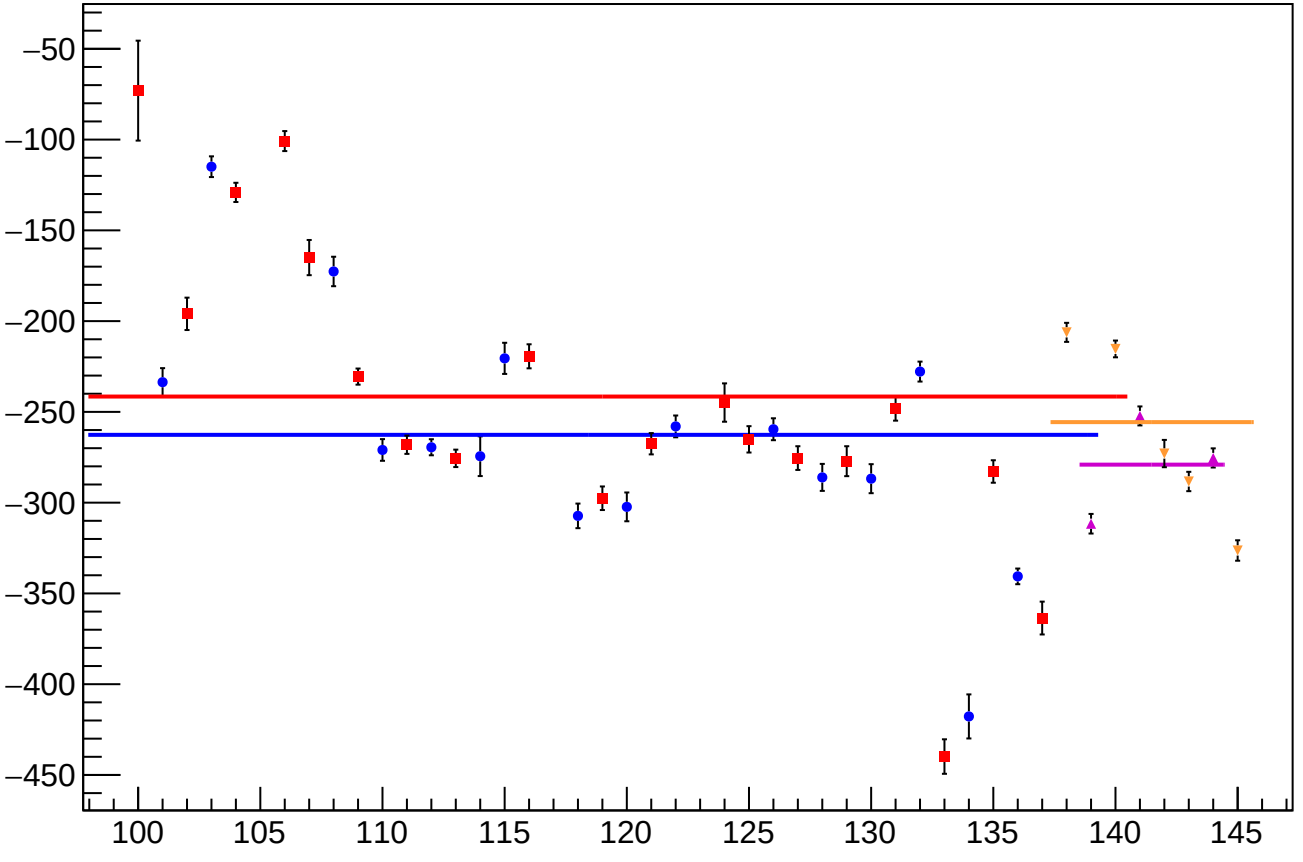
Left In: -4.643+/-0.034 χ^2/NDF:2540.9/2

+ sign -6.202+/-0.022 χ^2/NDF: 48485.4/20

All: -6.669+/-0.016 χ^2/NDF: 117776.1/42

- sign -7.244+/-0.024 χ^2/NDF: 68265.8/21

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

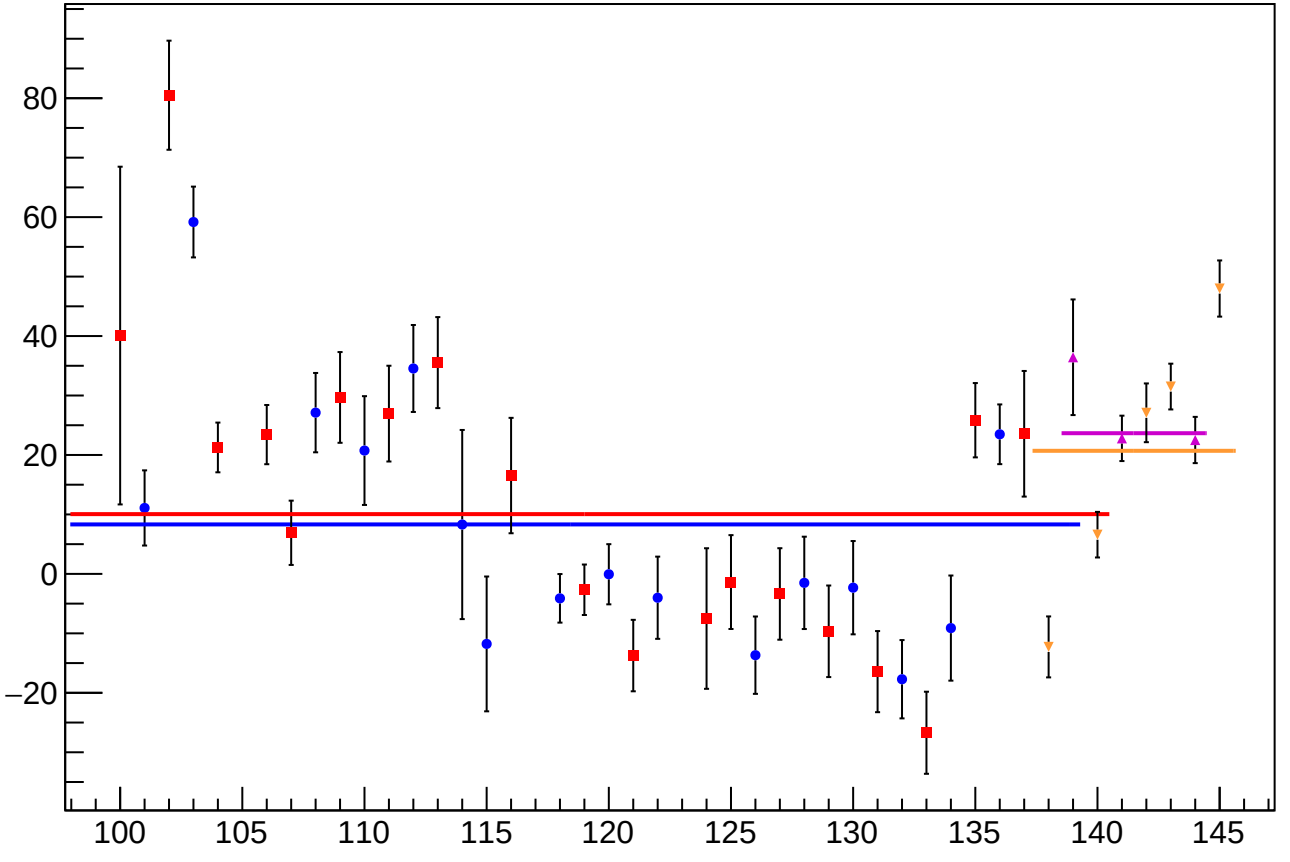
Left In: -279.062+/-3.059 χ^2/NDF:63.2/2

+ sign -260.513+/-1.346 χ^2/NDF: 1825.9/20

All: -254.710+/-0.954 χ^2/NDF: 4186.0/42

- sign -248.866+/-1.351 χ^2/NDF: 2322.8/21

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



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

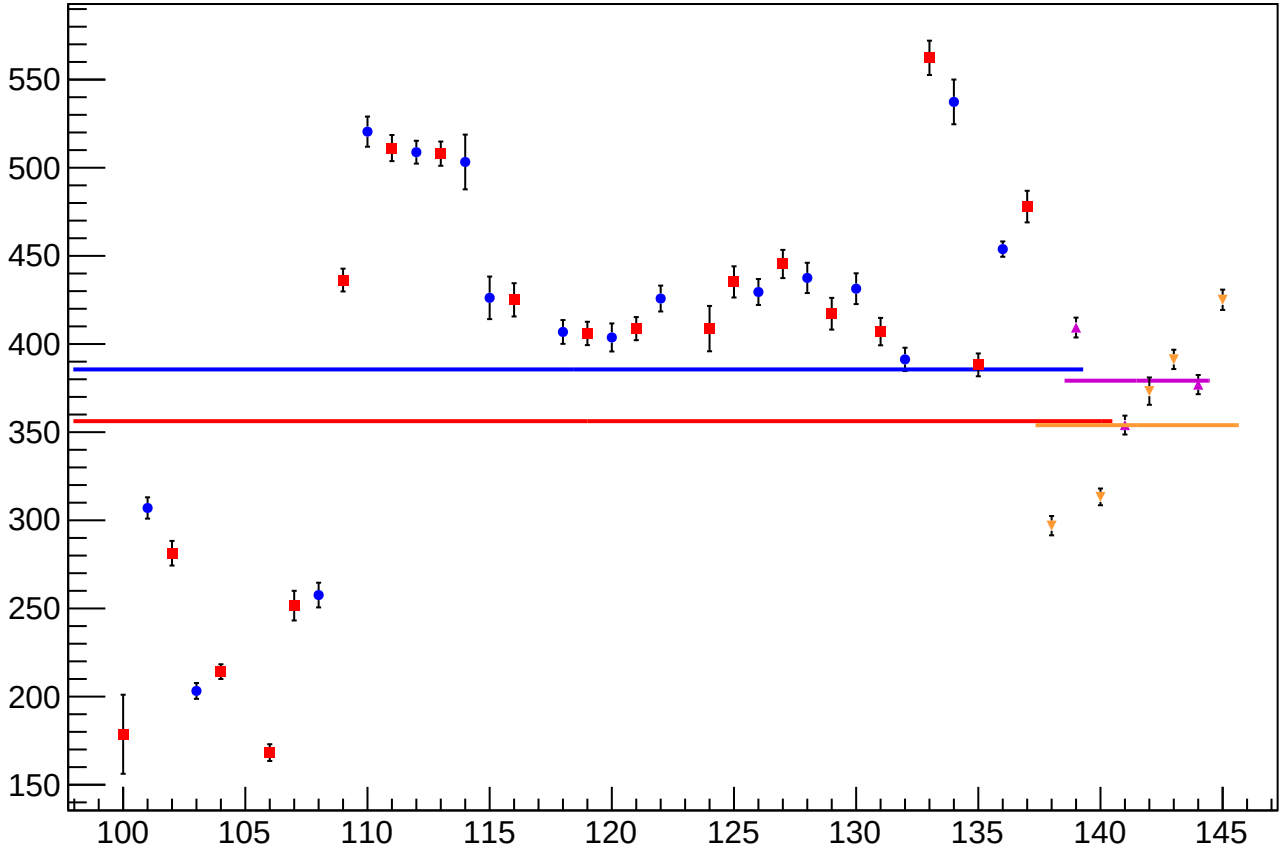
Left In: 23.660+/-2.623 χ^2/NDF:1.9/2

+ sign 13.422+/-1.261 χ^2/NDF: 278.9/20

All: 13.476+/-0.914 χ^2/NDF: 488.2/42

- sign 13.535+/-1.327 χ^2/NDF: 209.3/21

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

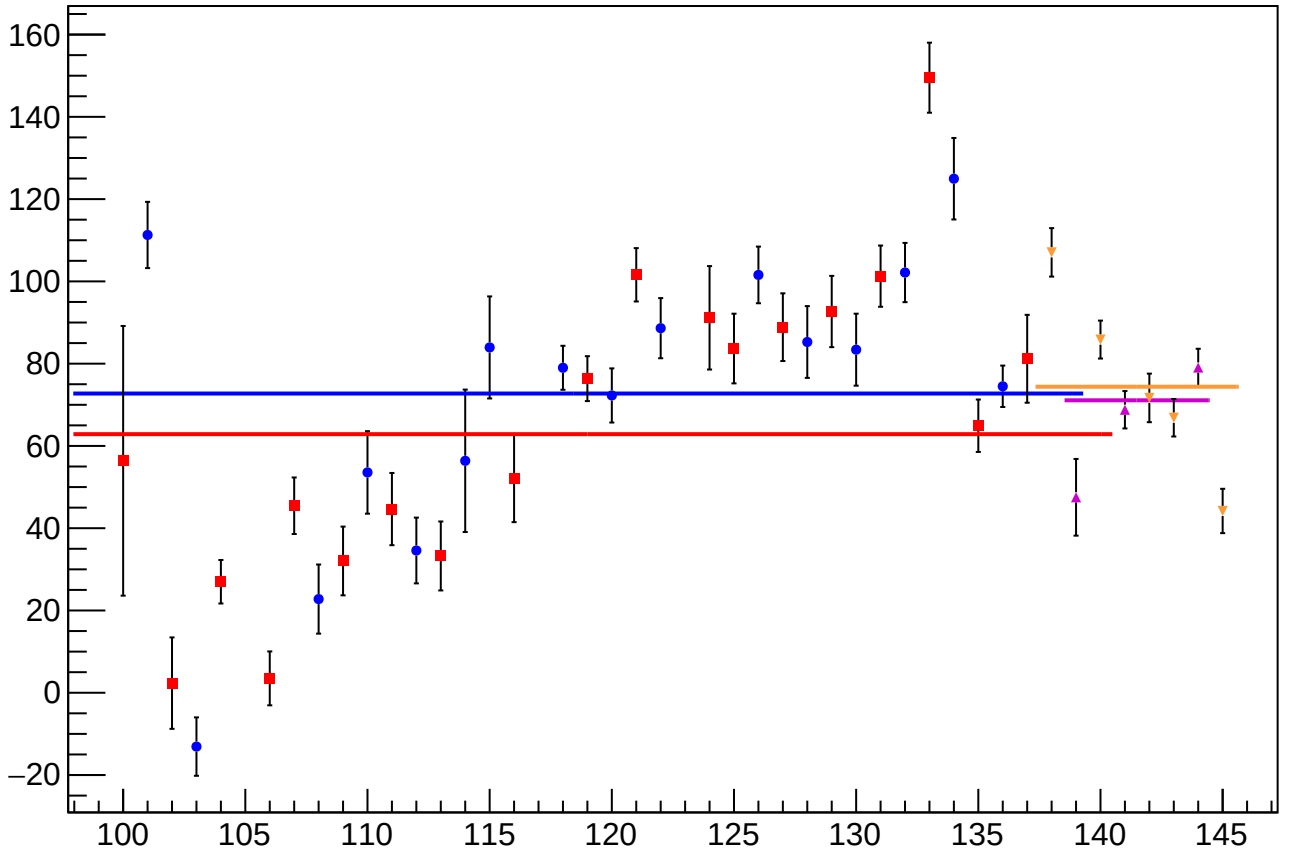
Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 379.198+/-3.159 χ^2/NDF:50.9/2

+ sign 375.343+/-1.432 χ^2/NDF: 3867.1/20

All: 368.382+/-1.023 χ^2/NDF: 9277.9/42

- sign 361.150+/-1.460 χ^2/NDF: 5362.7/21



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 74.390+/-2.312 χ^2/NDF:71.3/4

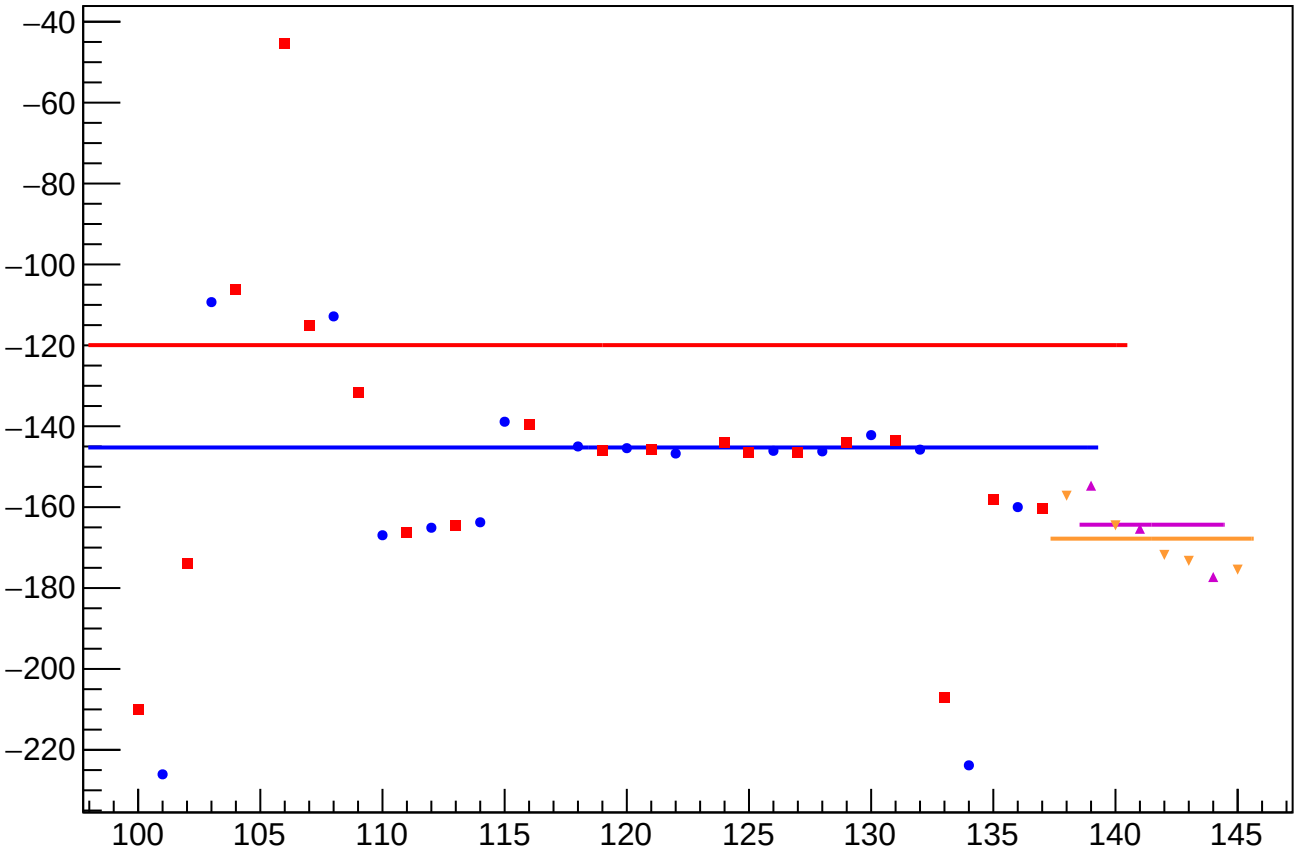
Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 71.092+/-3.044 χ^2/NDF:9.7/2

\+ sign 73.404+/-1.466 χ^2/NDF: 375.9/20

All: 69.417+/-1.064 χ^2/NDF: 810.2/42

\- sign 64.986+/-1.546 χ^2/NDF: 418.7/21



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

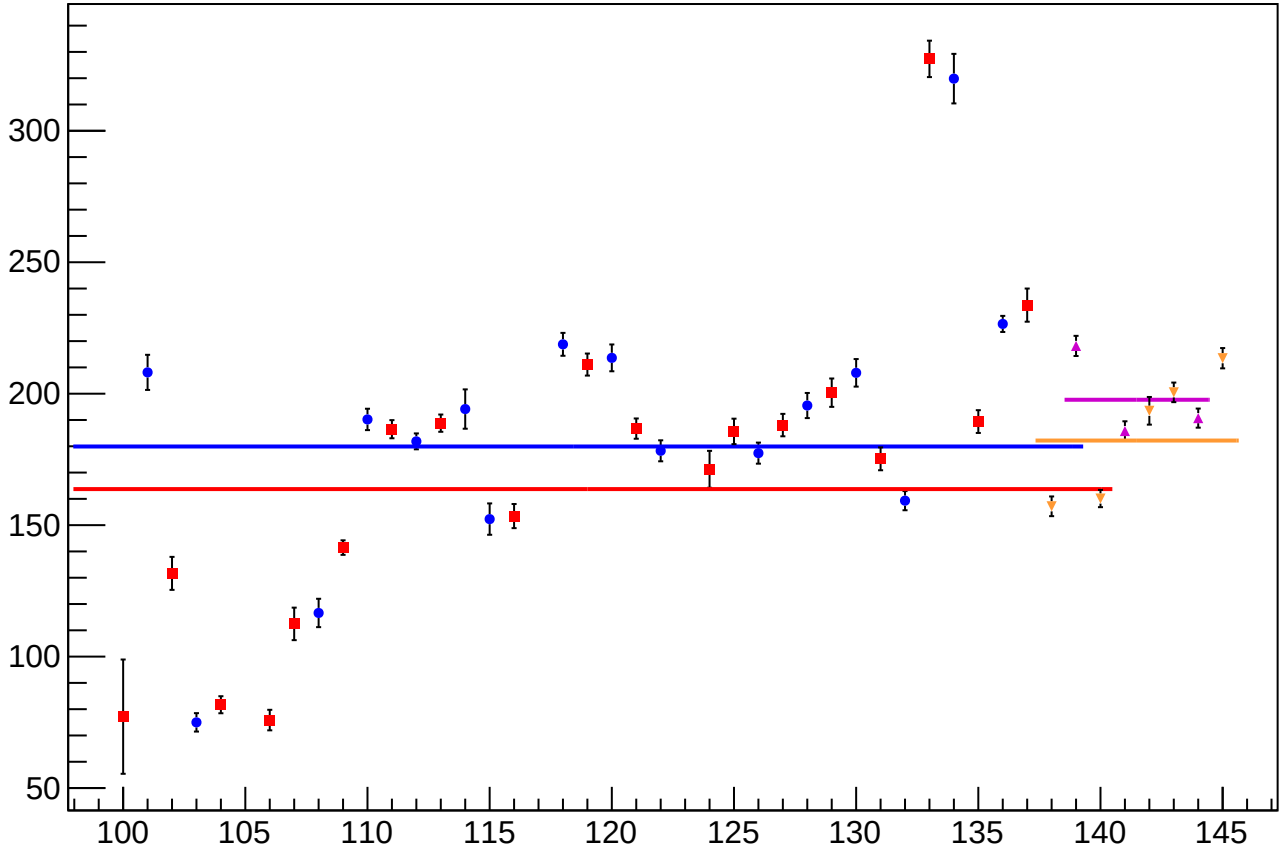
Left In: -164.340+/-0.127 χ^2/NDF:5156.3/2

+ sign -155.802+/-0.072 χ^2/NDF: 161085.5/20

All: -145.370+/-0.051 χ^2/NDF: 561849.6/42

- sign -134.615+/-0.073 χ^2/NDF: 357774.8/21

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

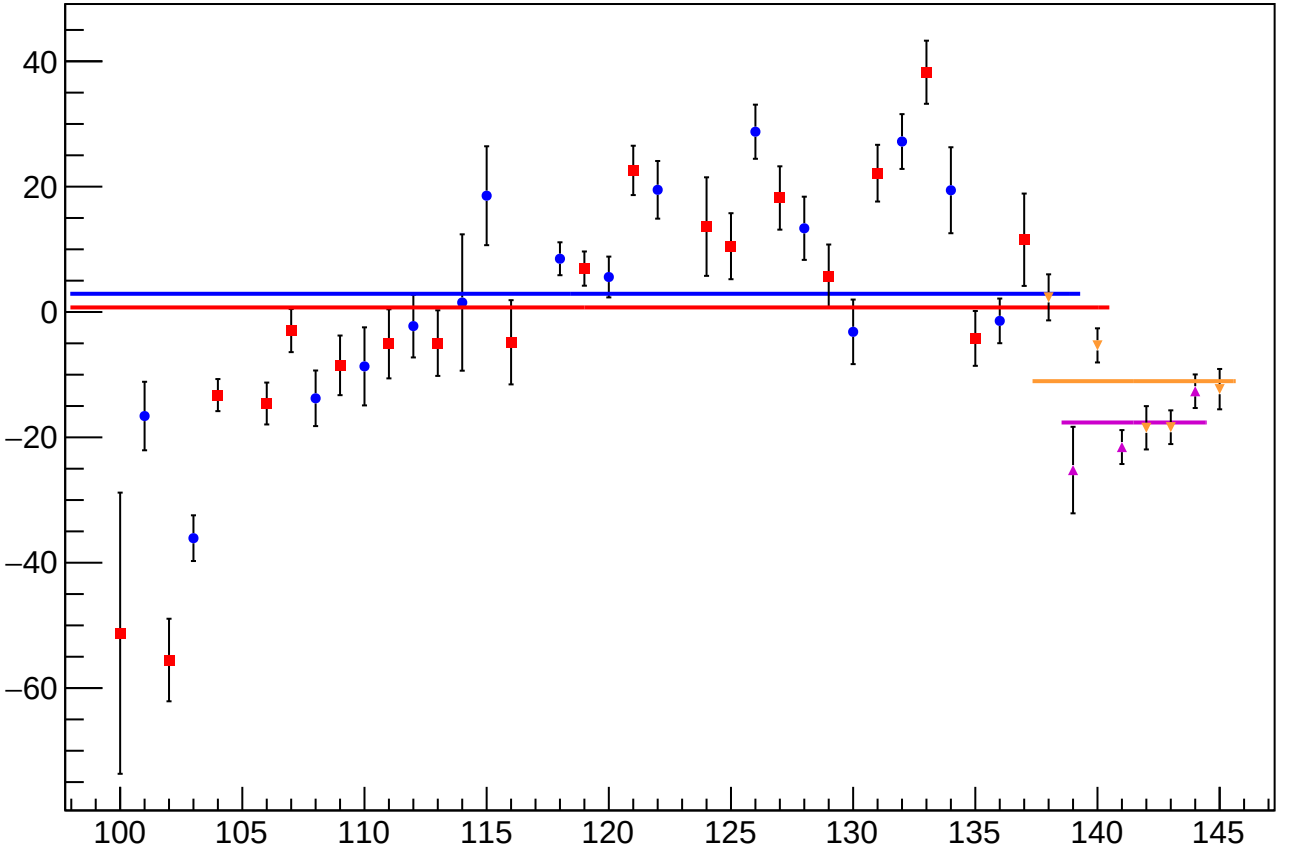
Left In: 197.693+/-2.148 χ^2/NDF:42.6/2

+ sign 180.567+/-0.919 χ^2/NDF: 1918.4/20

All: 175.101+/-0.646 χ^2/NDF: 4653.2/42

- sign 169.778+/-0.907 χ^2/NDF: 2665.0/21

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

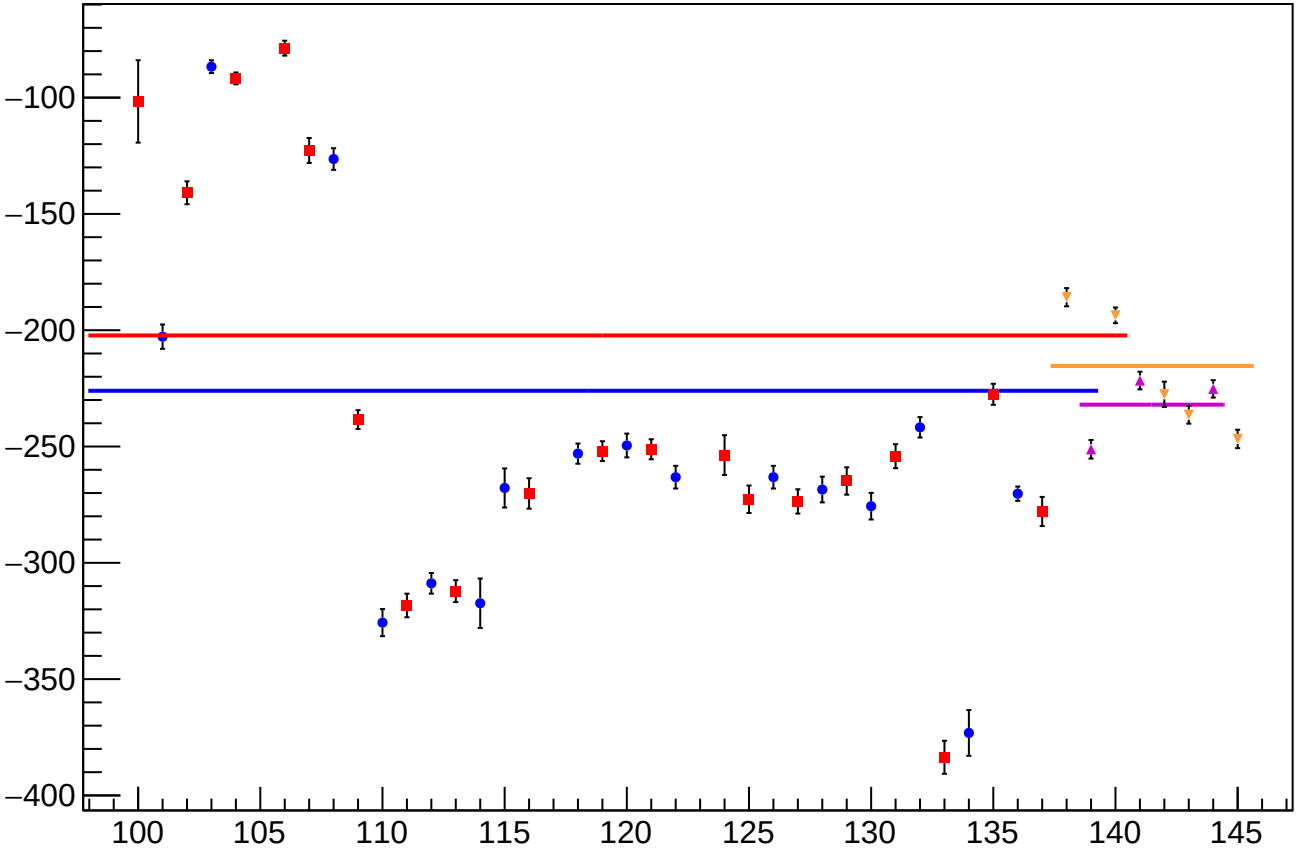
Left In: -17.628+/-1.836 χ^2/NDF:6.8/2

+ sign -2.552+/-0.862 χ^2/NDF: 339.8/20

All: -3.037+/-0.618 χ^2/NDF: 697.4/42

- sign -3.550+/-0.886 χ^2/NDF: 357.0/21

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

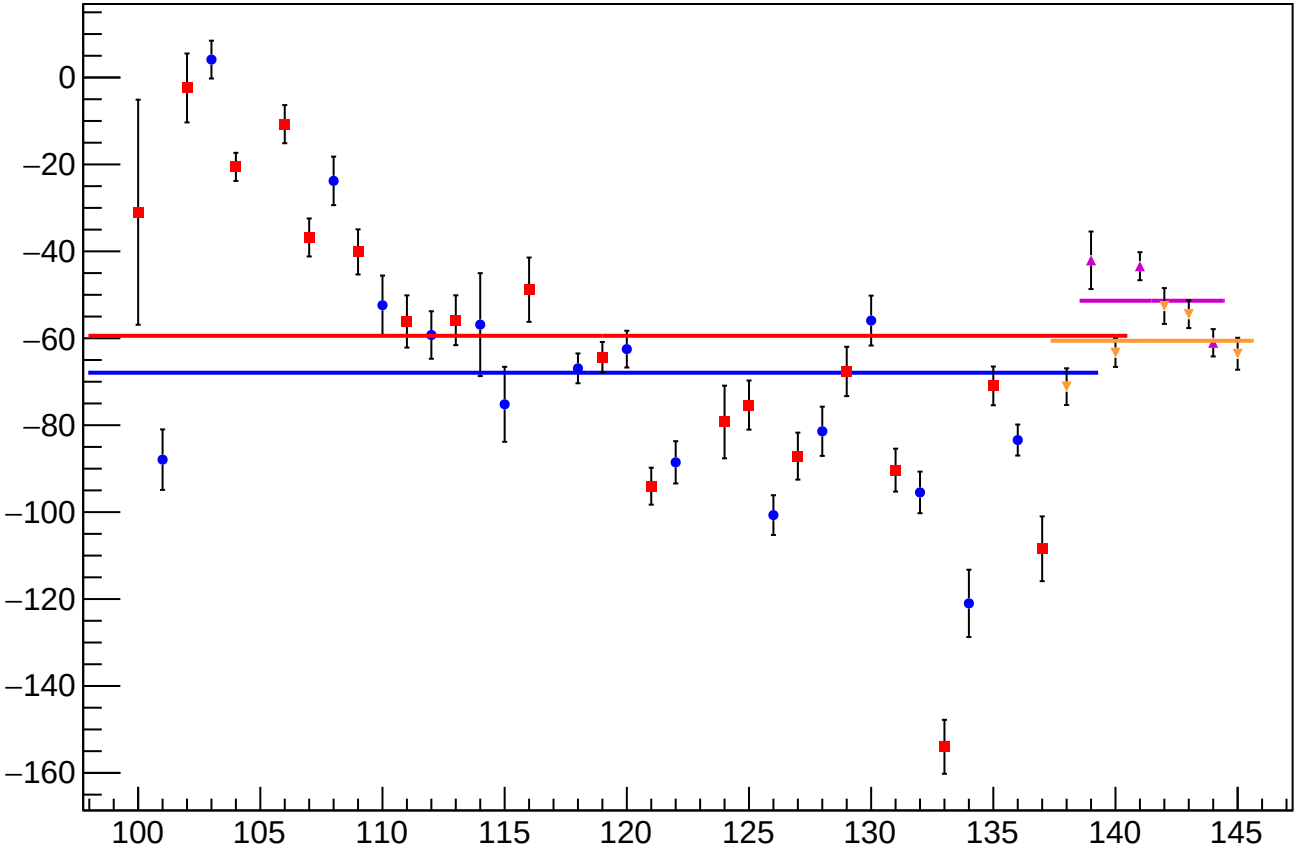
Left In: -232.001+/-2.217 χ^2/NDF:33.8/2

+ sign -222.764+/-0.979 χ^2/NDF: 4760.9/20

All: -215.368+/-0.691 χ^2/NDF: 11744.6/42

- sign -208.012+/-0.976 χ^2/NDF: 6869.8/21

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

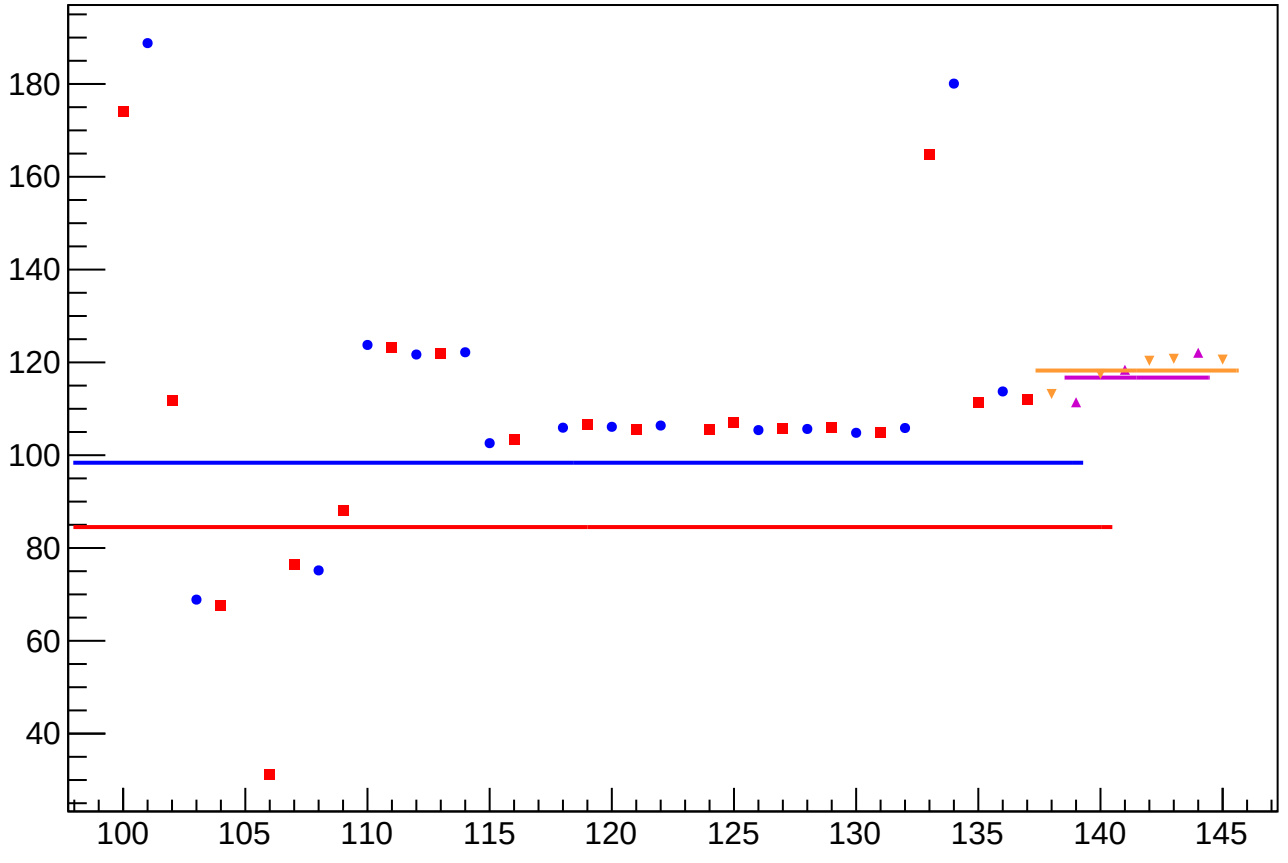
Left In: -51.366+/-2.130 χ^2/NDF:17.5/2

\+ sign -65.107+/-1.004 χ^2/NDF: 561.8/20

All: -61.433+/-0.720 χ^2/NDF: 1412.8/42

\- sign -57.525+/-1.035 χ^2/NDF: 823.3/21

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

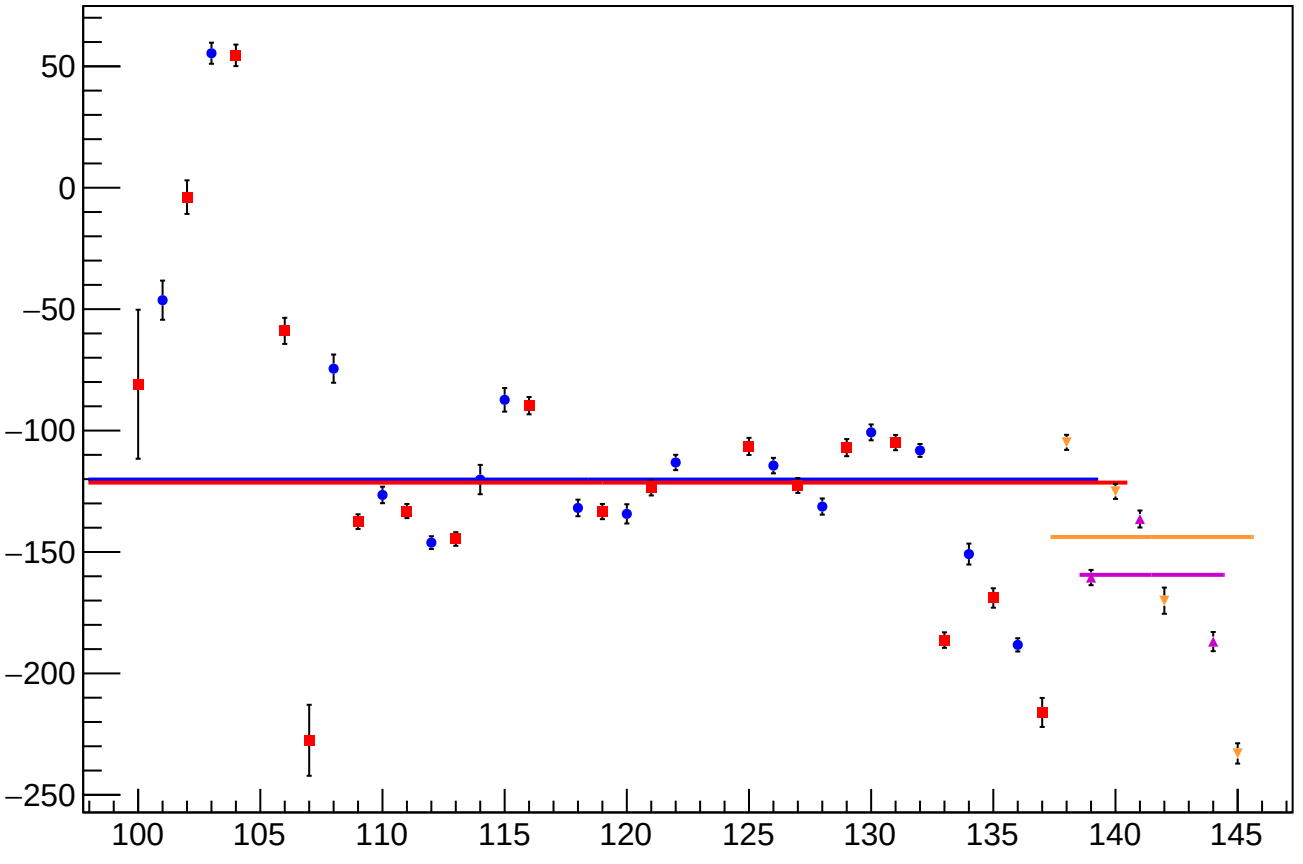
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 116.722+/-0.089 χ^2/NDF:2531.9/2

+ sign 107.238+/-0.049 χ^2/NDF: 270408.4/20

All: 101.096+/-0.035 χ^2/NDF: 663054.7/42

- sign 94.710+/-0.050 χ^2/NDF: 360797.0/21



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -143.807+/-1.830 χ^2/NDF:671.2/3

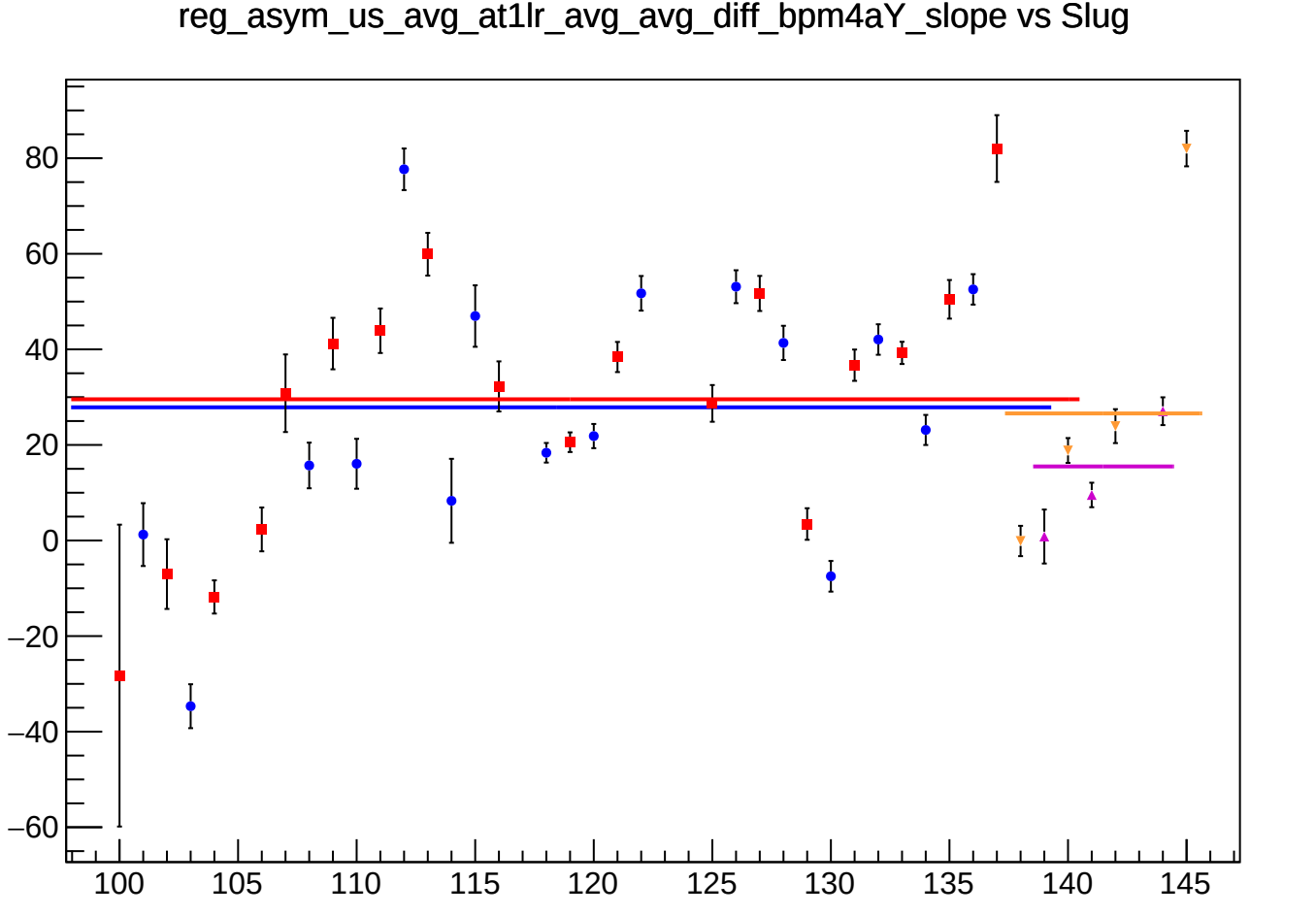
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -159.404+/-2.014 χ^2/NDF:91.7/2

+ sign -124.701+/-0.801 χ^2/NDF: 3497.2/19

All: -126.073+/-0.567 χ^2/NDF: 7020.3/40

- sign -127.451+/-0.803 χ^2/NDF: 3517.2/20



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 26.593+/-1.581 χ^2/NDF:303.0/3

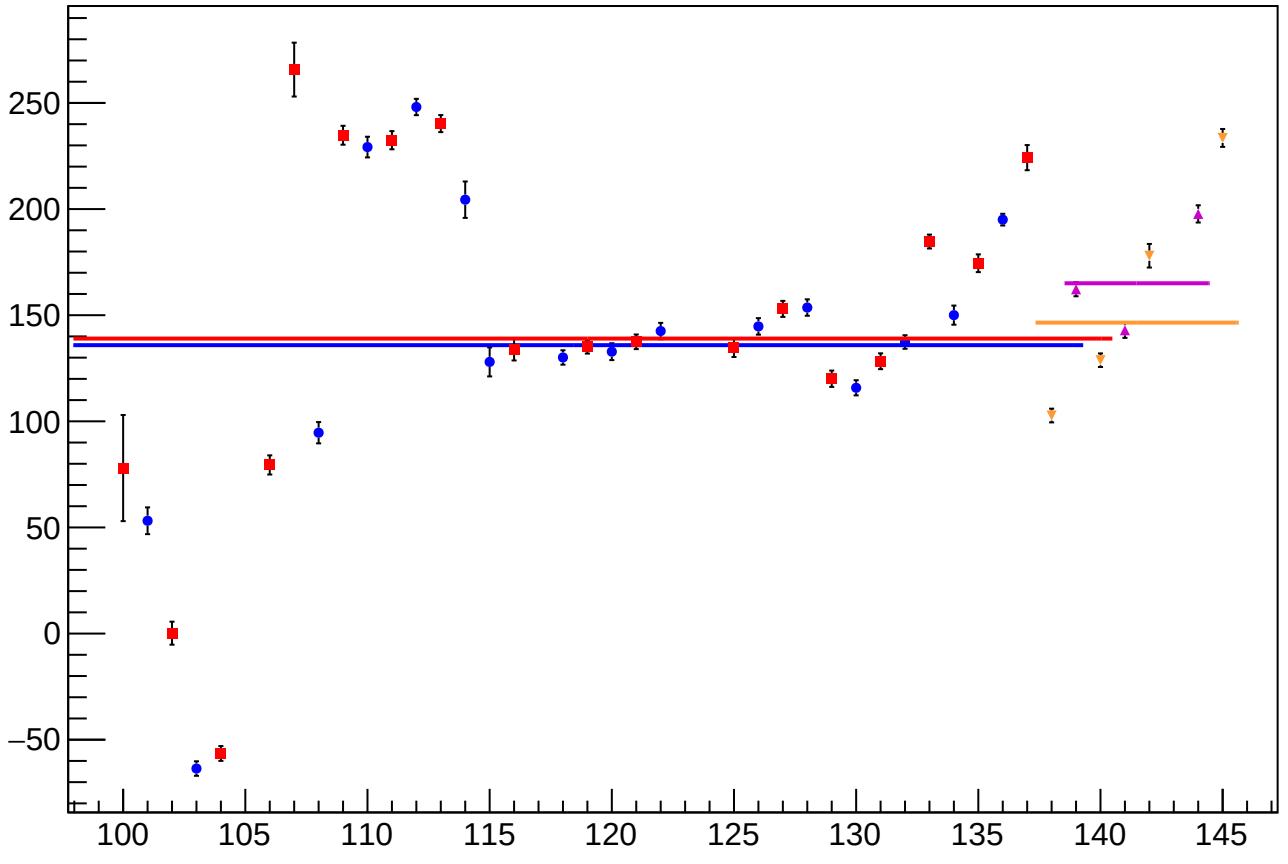
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 15.498+/-1.820 χ^2/NDF:28.0/2

+ sign 27.565+/-0.774 χ^2/NDF: 1003.1/19

All: 27.216+/-0.556 χ^2/NDF: 1577.1/40

- sign 26.843+/-0.799 χ^2/NDF: 573.6/20



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 146.505+/-1.885 χ^2/NDF:670.6/3

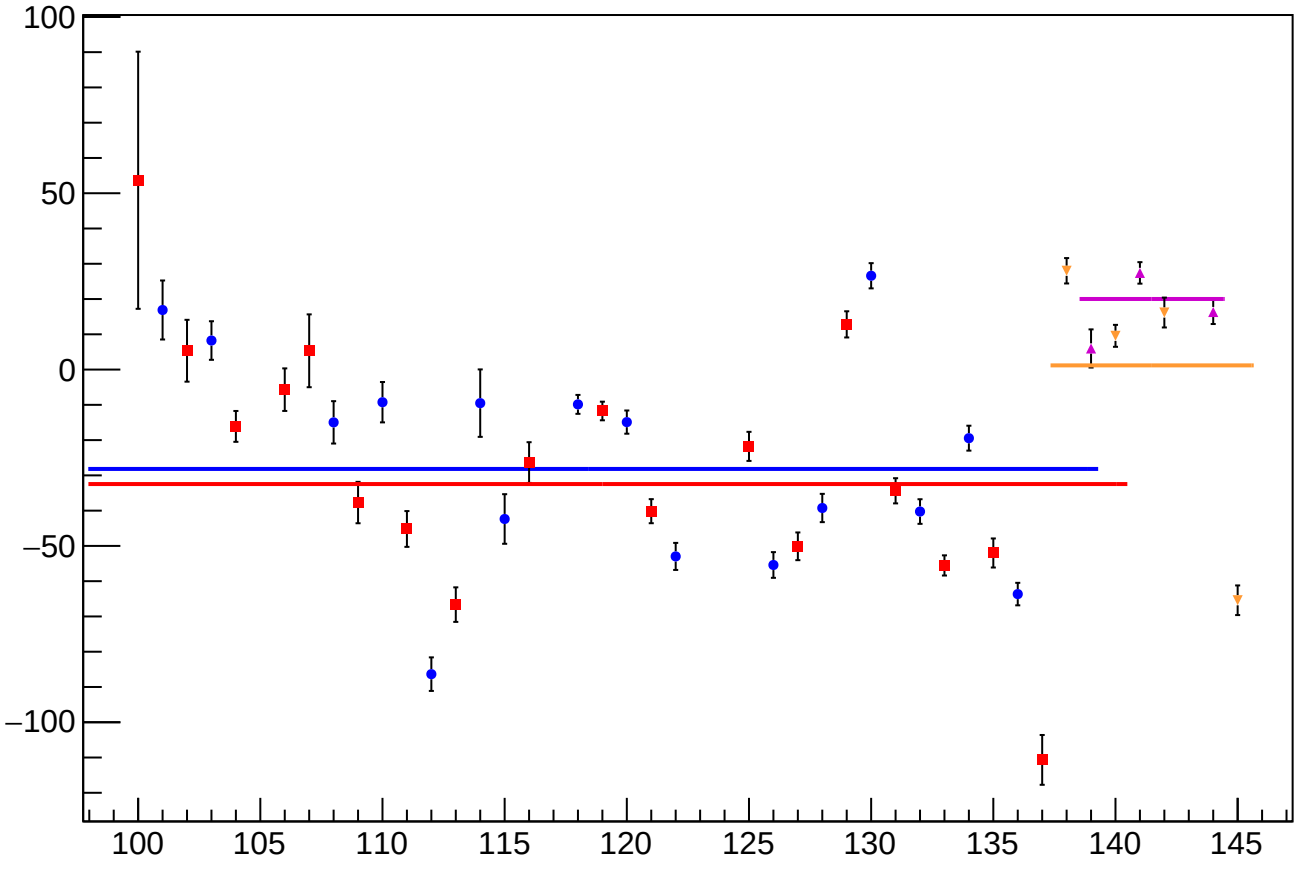
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 165.043+/-2.082 χ^2/NDF:103.4/2

\+ sign 138.211+/-0.882 χ^2/NDF: 6159.0/19

All: 140.976+/-0.630 χ^2/NDF: 12566.2/40

\- sign 143.855+/-0.900 χ^2/NDF: 6387.1/20



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.188+/-1.848 χ^2/NDF:326.4/3

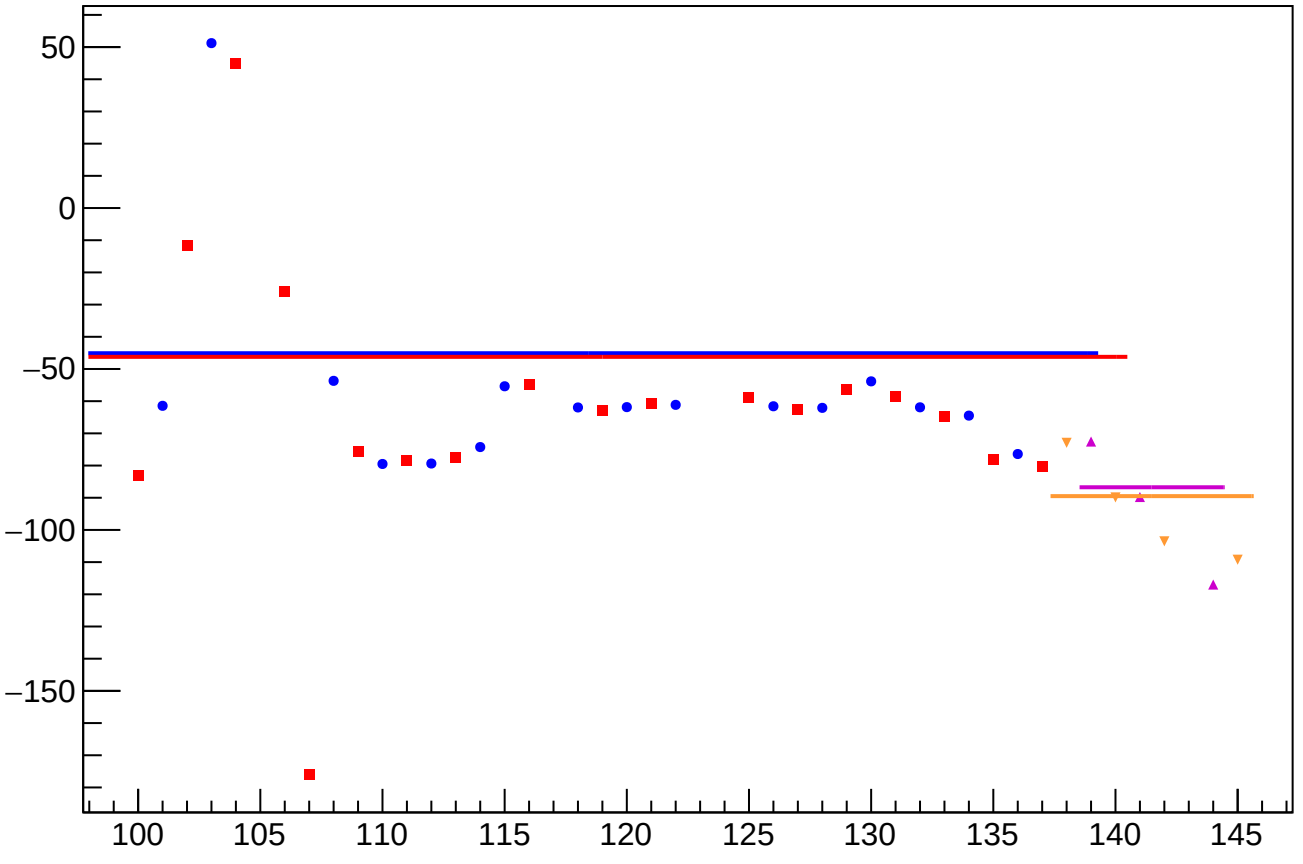
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 20.017+/-2.096 χ^2/NDF:13.8/2

+ sign -21.297+/-0.895 χ^2/NDF: 1310.9/19

All: -21.779+/-0.642 χ^2/NDF: 2411.7/40

- sign -22.291+/-0.922 χ^2/NDF: 1100.2/20



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -89.498+/-0.078 χ^2/NDF:34496.8/3

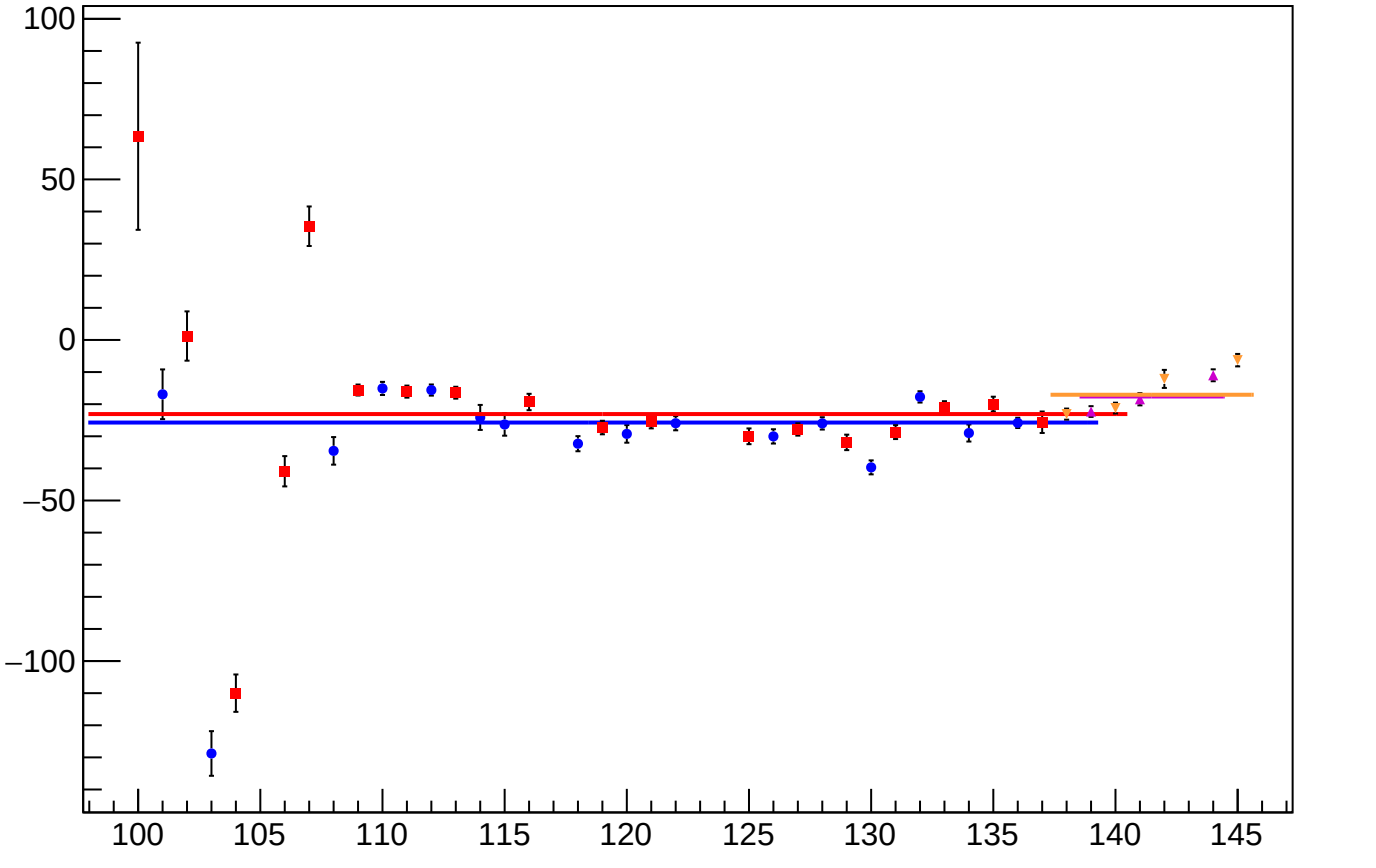
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -86.746+/-0.082 χ^2/NDF:42641.6/2

+ sign -61.696+/-0.048 χ^2/NDF: 813347.4/19

All: -61.465+/-0.034 χ^2/NDF: 1504638.6/40

- sign -61.213+/-0.050 χ^2/NDF: 691241.8/20



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -17.064+/-0.962 χ^2/NDF:52.1/3

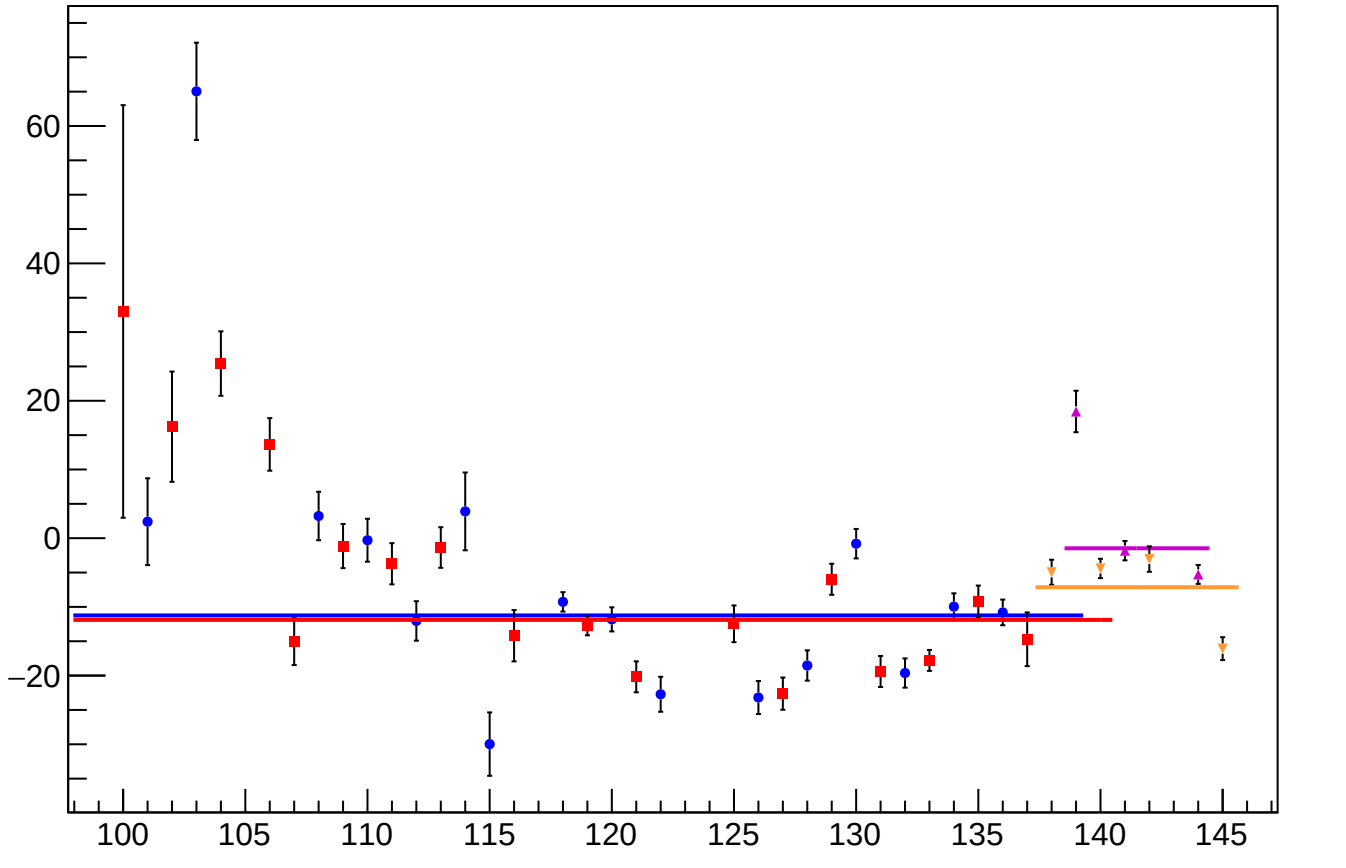
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -17.609+/-1.041 χ^2/NDF:20.7/2

+ sign -23.355+/-0.503 χ^2/NDF: 473.9/19

All: -22.574+/-0.357 χ^2/NDF: 957.7/40

- sign -21.777+/-0.508 χ^2/NDF: 478.8/20



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -7.141+/-0.829 χ^2/NDF:39.0/3

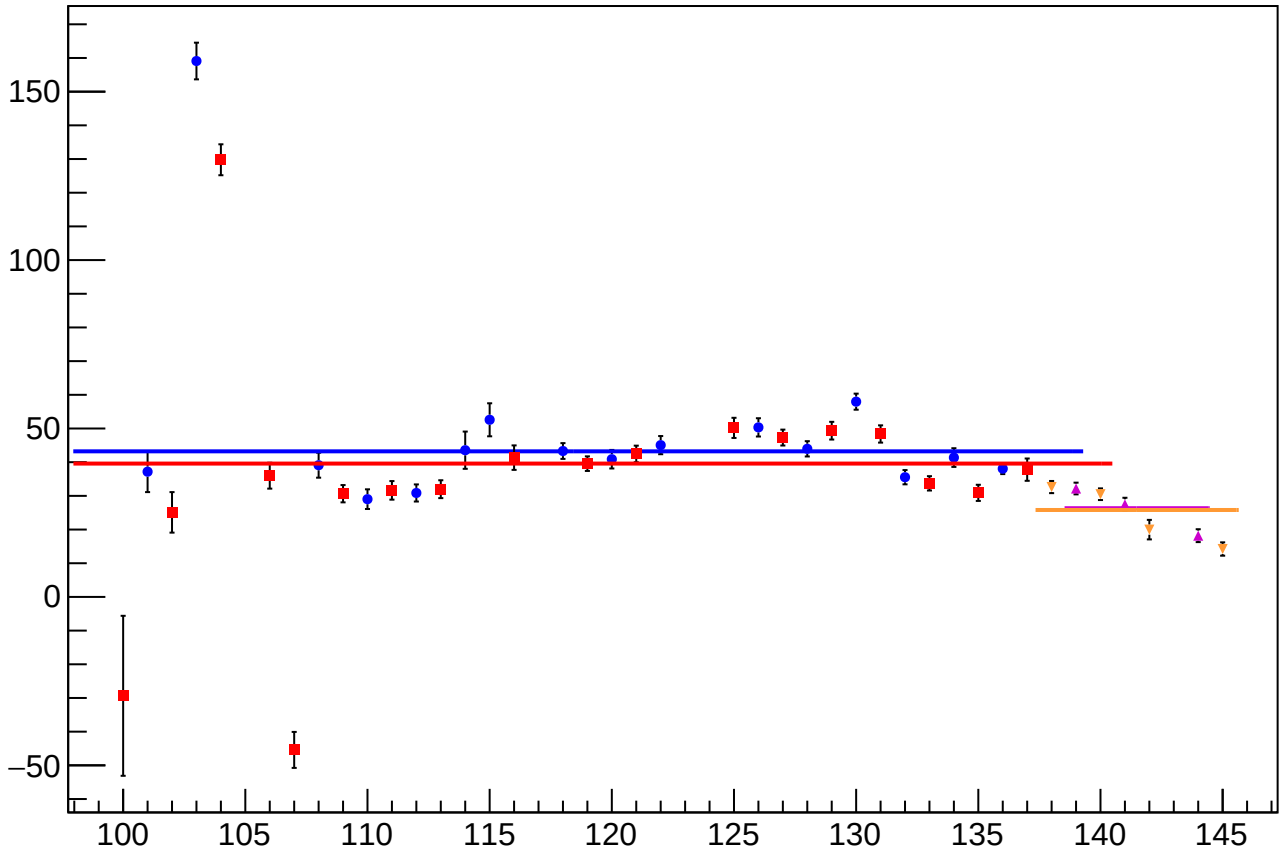
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -1.471+/-0.934 χ^2/NDF:51.2/2

+ sign -9.834+/-0.486 χ^2/NDF: 326.1/19

All: -9.340+/-0.352 χ^2/NDF: 691.4/40

- sign -8.799+/-0.509 χ^2/NDF: 363.1/20



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 25.810+/-0.993 χ^2/NDF:59.8/3

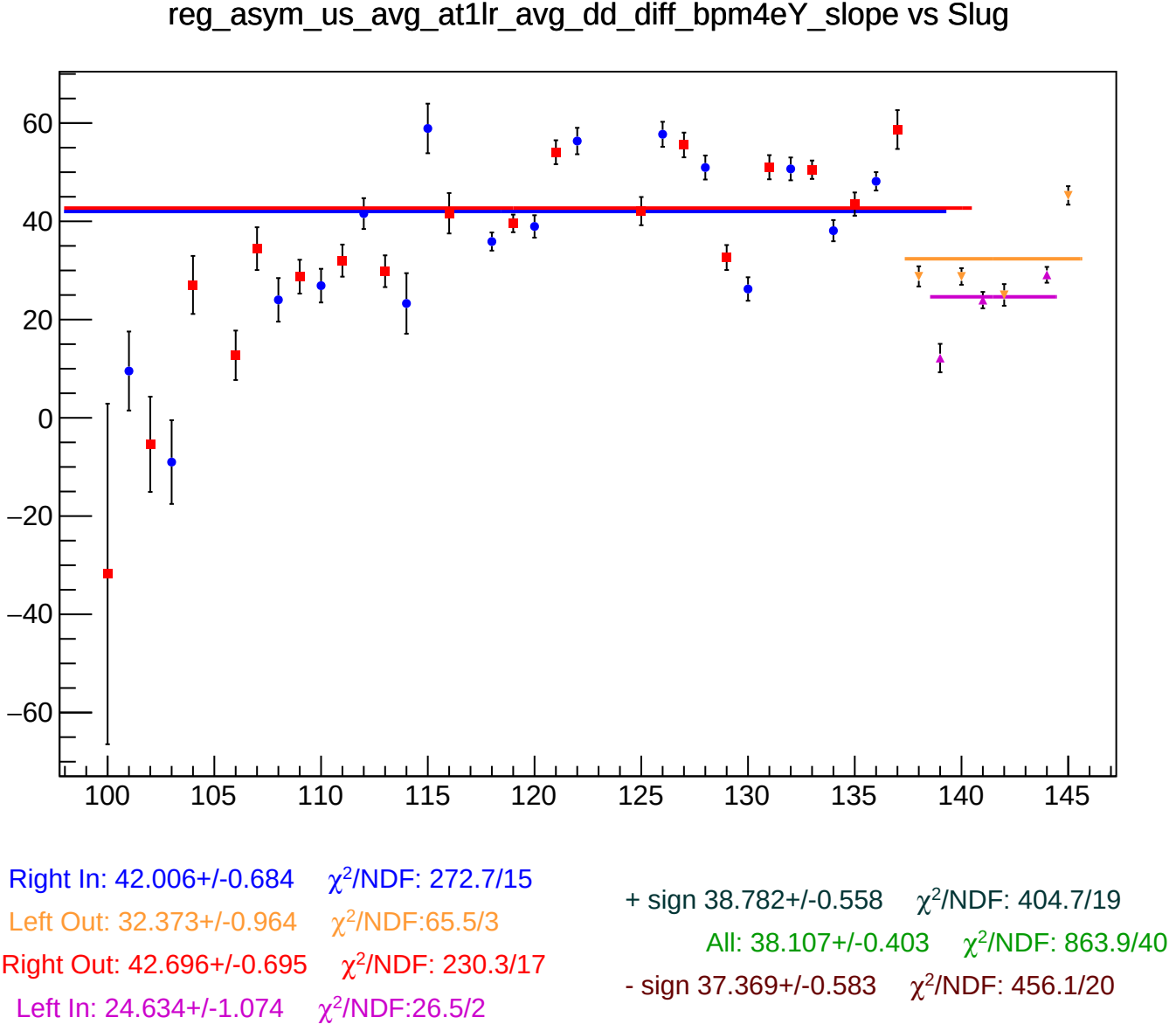
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

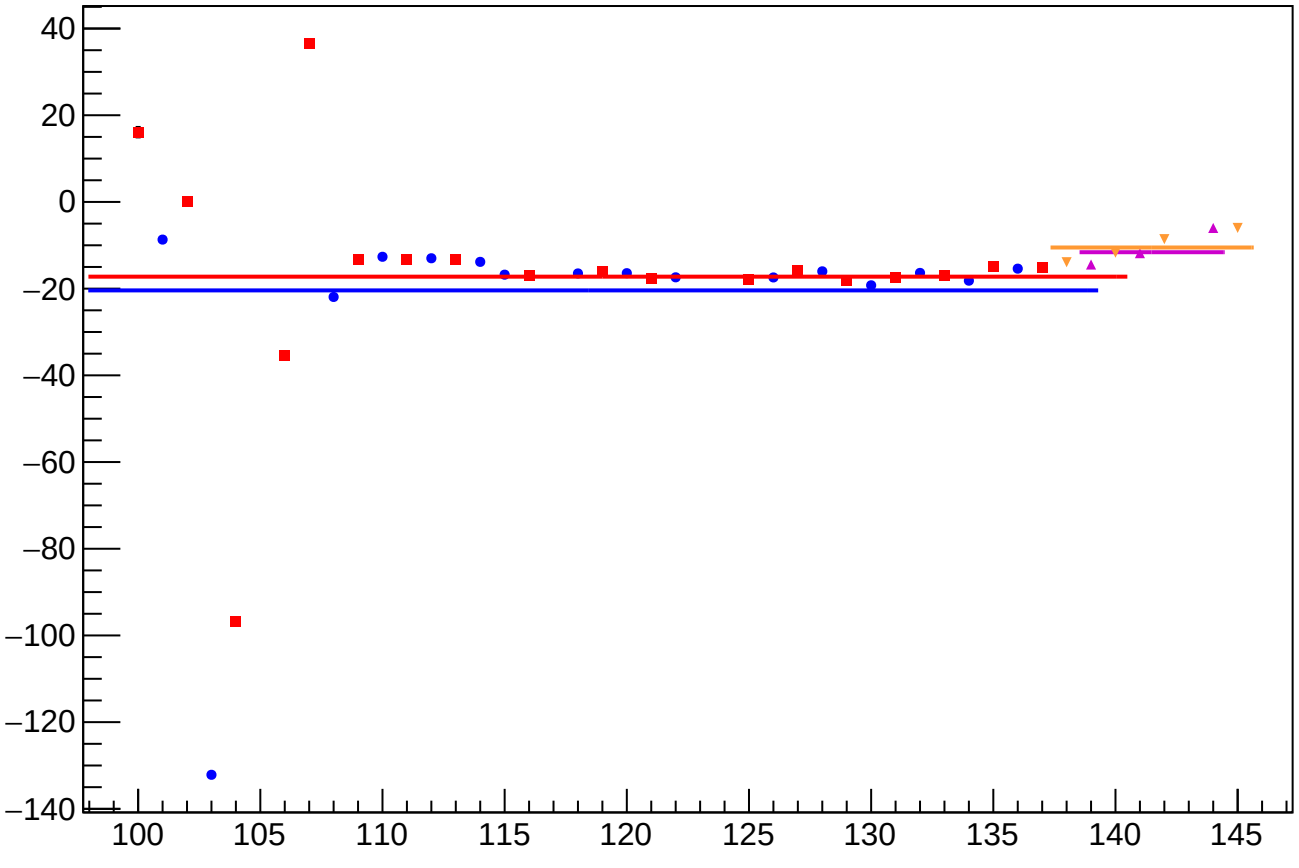
Left In: 26.339+/-1.076 χ^2/NDF:29.8/2

\+ sign 37.682+/-0.560 χ^2/NDF: 845.6/19

All: 36.754+/-0.402 χ^2/NDF: 1743.0/40

\- sign 35.767+/-0.578 χ^2/NDF: 891.7/20


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
105
110
115
120
125
130
135
140
145
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 32.373+/-0.964 χ²/NDF:65.5/3
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 24.634+/-1.074 χ²/NDF:26.5/2
+ sign 38.782+/-0.558 χ²/NDF: 404.7/19
All: 38.107+/-0.403 χ²/NDF: 863.9/40
- sign 37.369+/-0.583 χ²/NDF: 456.1/20



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -10.509+/-0.041 χ^2/NDF:6143.8/3

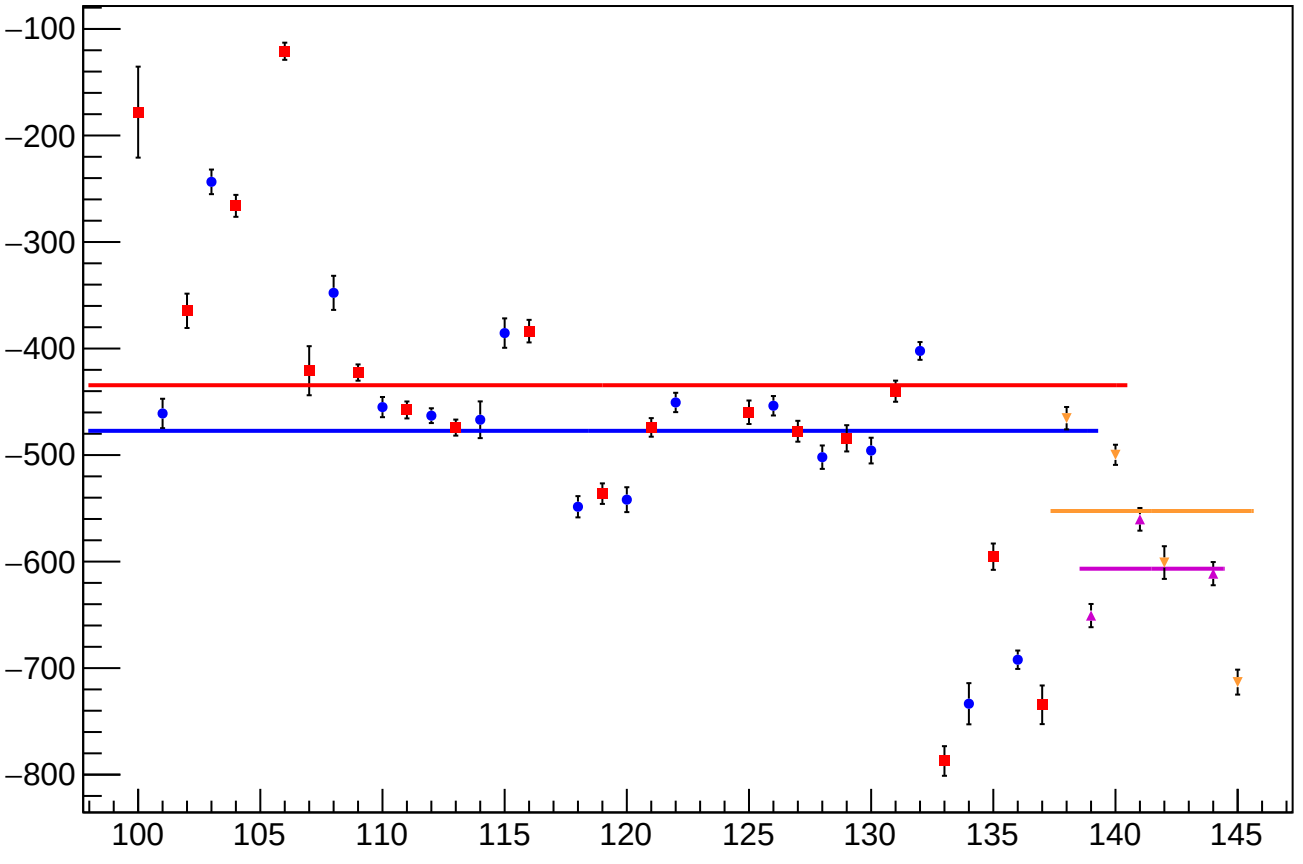
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -11.596+/-0.043 χ^2/NDF:6382.1/2

+ sign -15.311+/-0.029 χ^2/NDF: 280460.0/19

All: -14.837+/-0.021 χ^2/NDF: 500525.0/40

- sign -14.316+/-0.031 χ^2/NDF: 219511.5/20



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

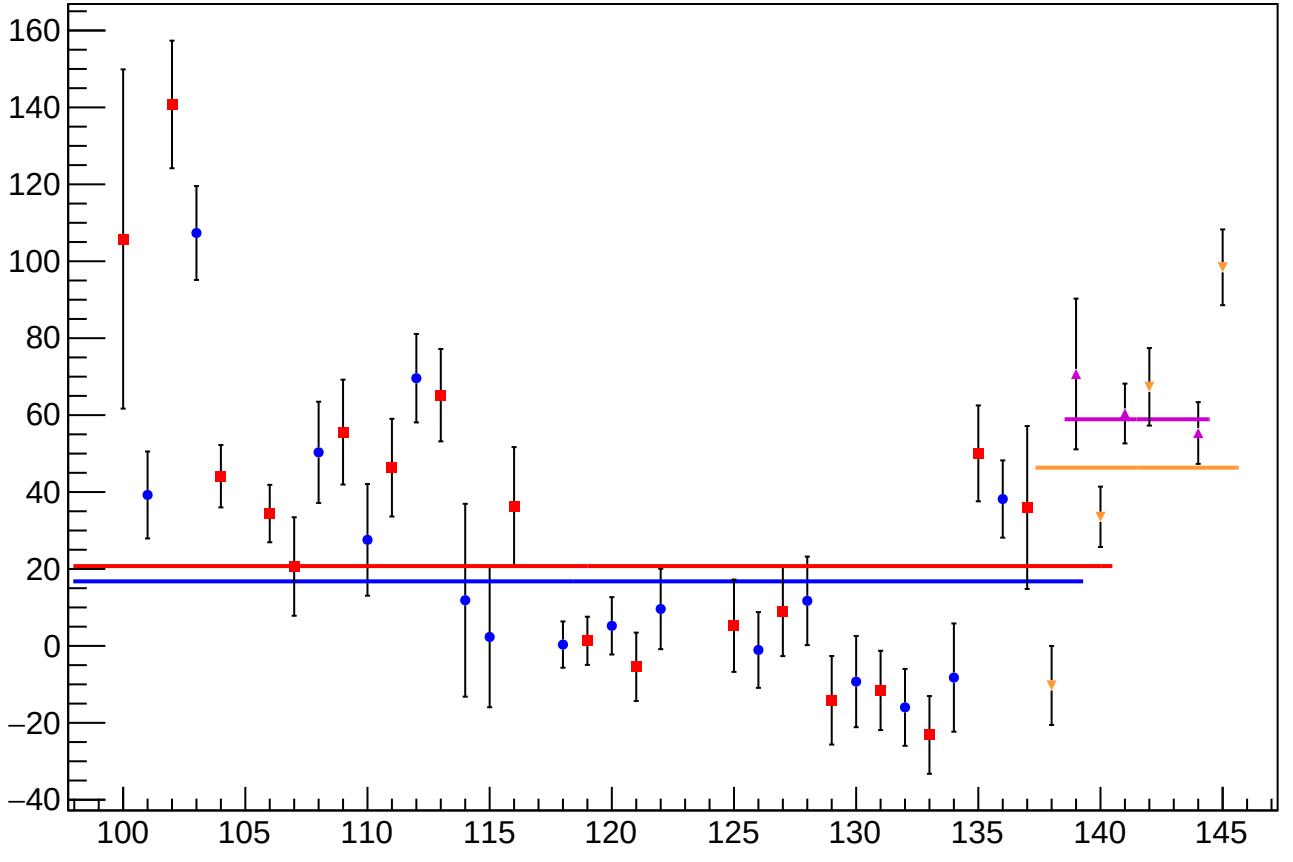
Left In: -606.691+/-6.242 χ^2/NDF:35.5/2

+ sign -490.837+/-2.384 χ^2/NDF: 1956.2/19

All: -473.597+/-1.652 χ^2/NDF: 5913.1/40

- sign -457.660+/-2.292 χ^2/NDF: 3856.3/20

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

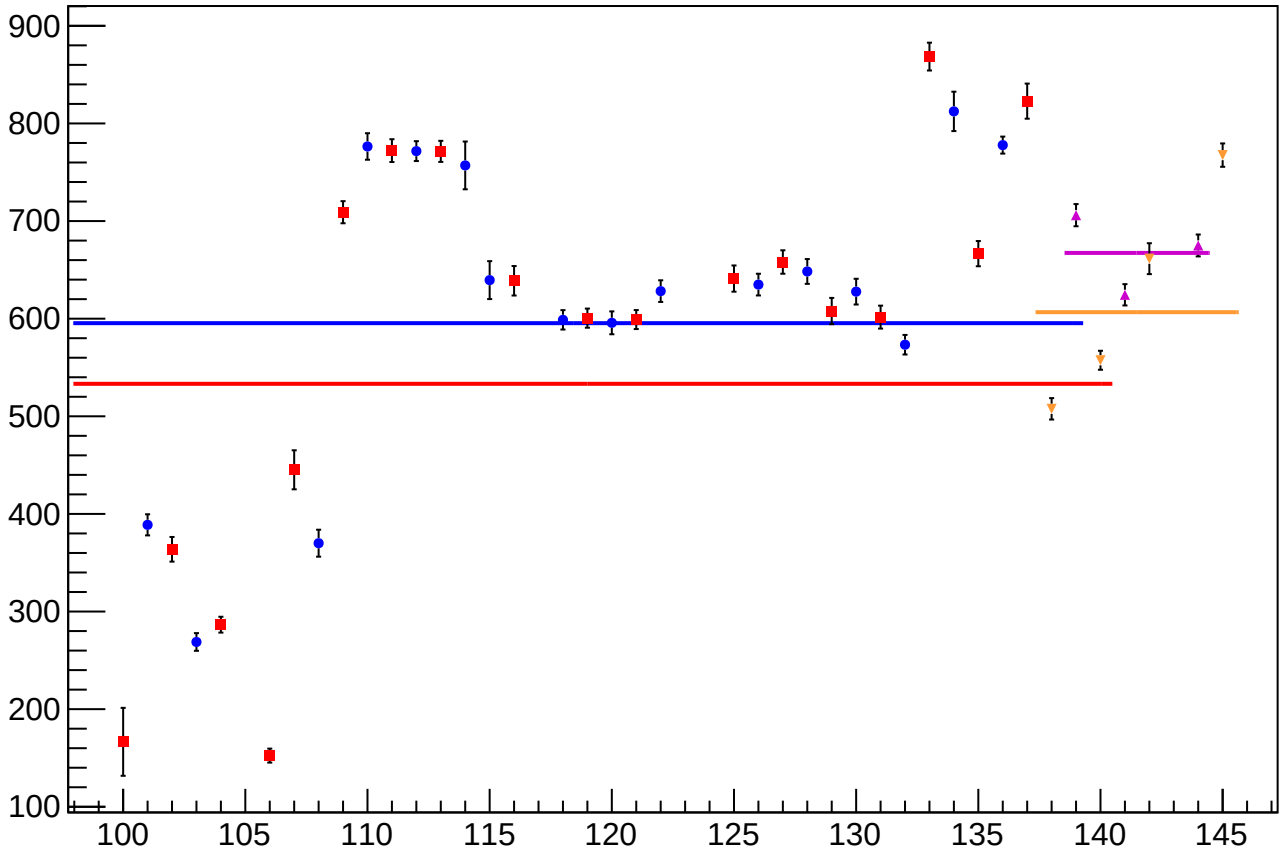
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 58.918+/-5.369 χ^2/NDF:0.6/2

+ sign 23.996+/-2.308 χ^2/NDF: 220.5/19

All: 25.885+/-1.630 χ^2/NDF: 421.7/40

- sign 27.765+/-2.302 χ^2/NDF: 199.8/20



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 606.648+/-5.786 χ^2/NDF:299.9/3

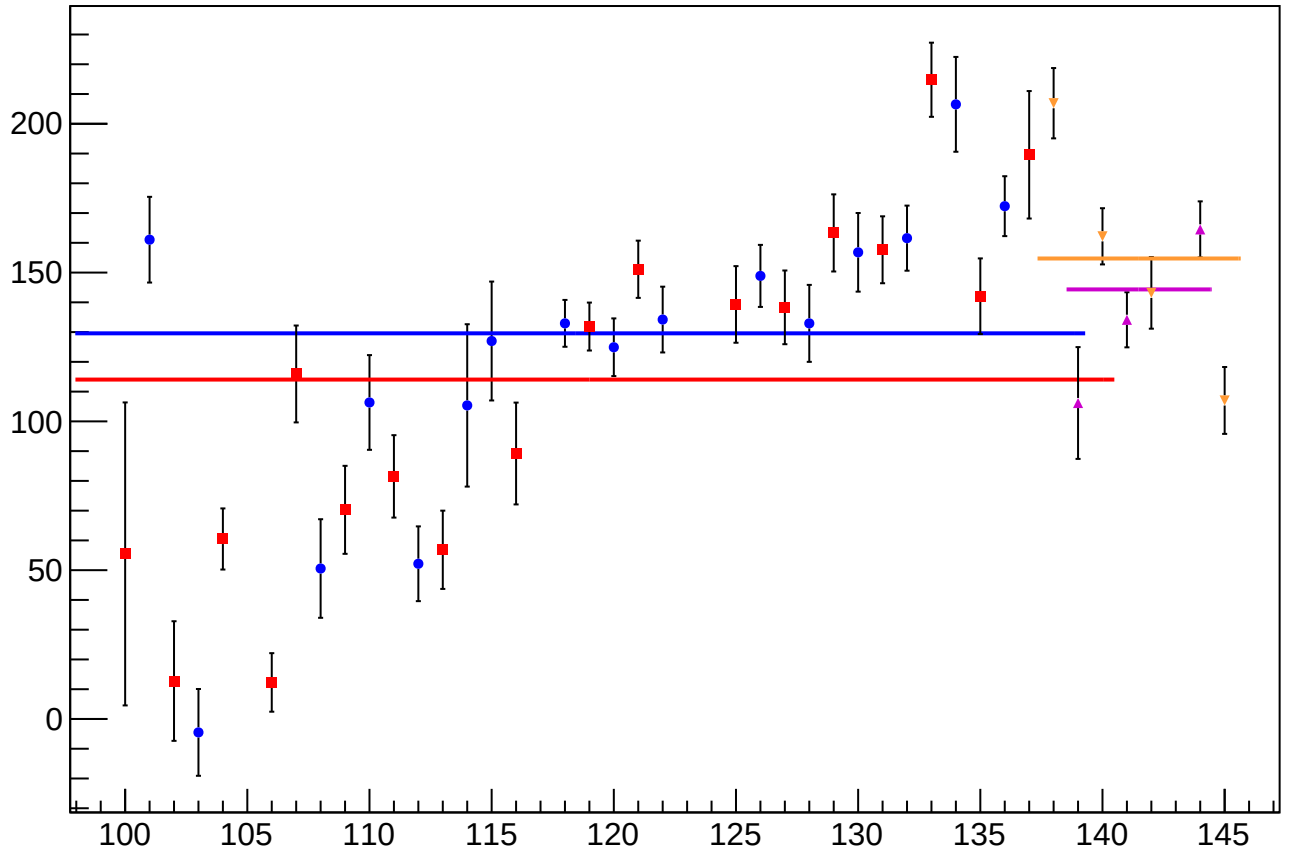
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 667.371+/-6.445 χ^2/NDF:27.5/2

+ sign 597.700+/-2.614 χ^2/NDF: 3362.7/19

All: 575.048+/-1.816 χ^2/NDF: 10404.7/40

- sign 553.887+/-2.526 χ^2/NDF: 6896.7/20



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 154.732+/-5.489 χ^2/NDF:39.1/3

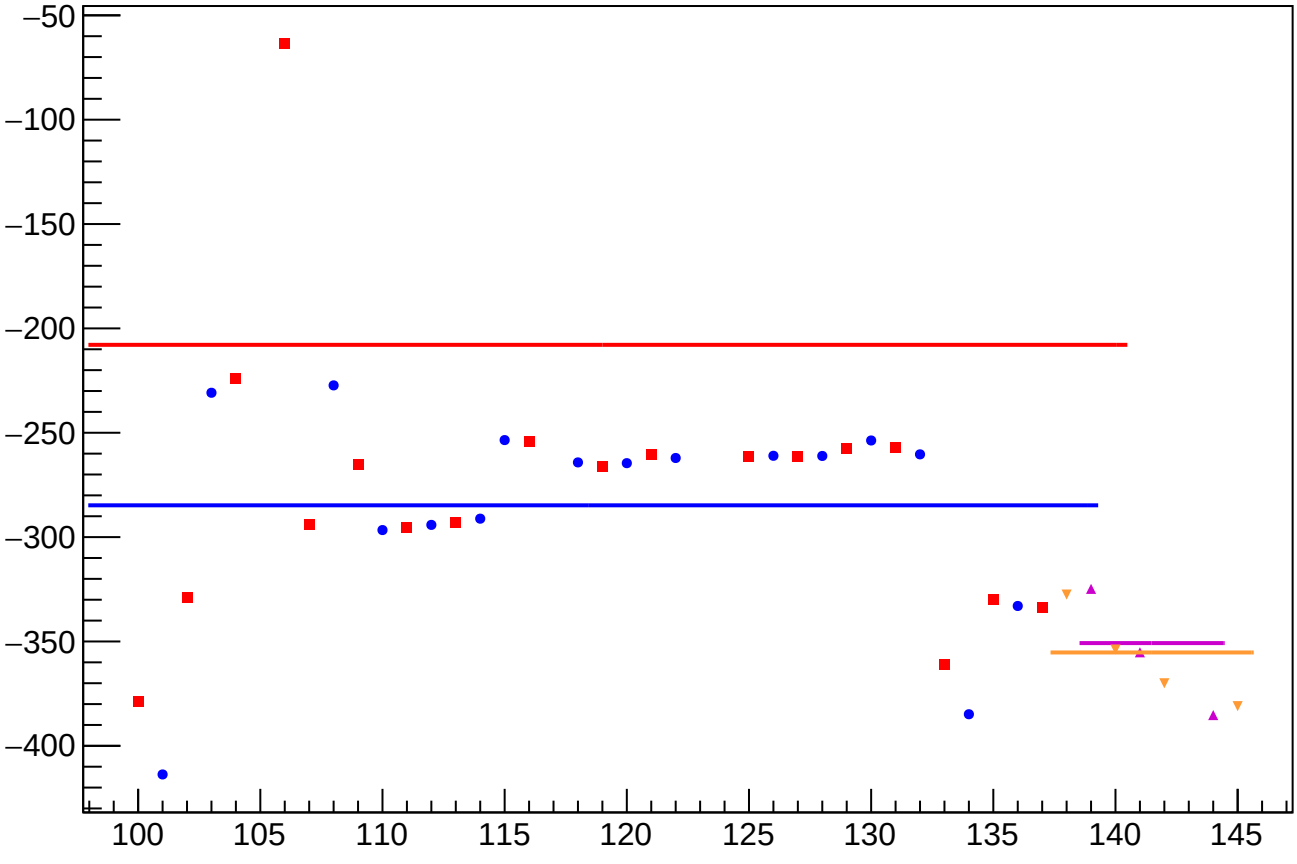
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 144.341+/-6.229 χ^2/NDF:9.9/2

+ sign 135.610+/-2.686 χ^2/NDF: 266.3/19

All: 127.641+/-1.899 χ^2/NDF: 649.0/40

- sign 119.678+/-2.685 χ^2/NDF: 365.1/20



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

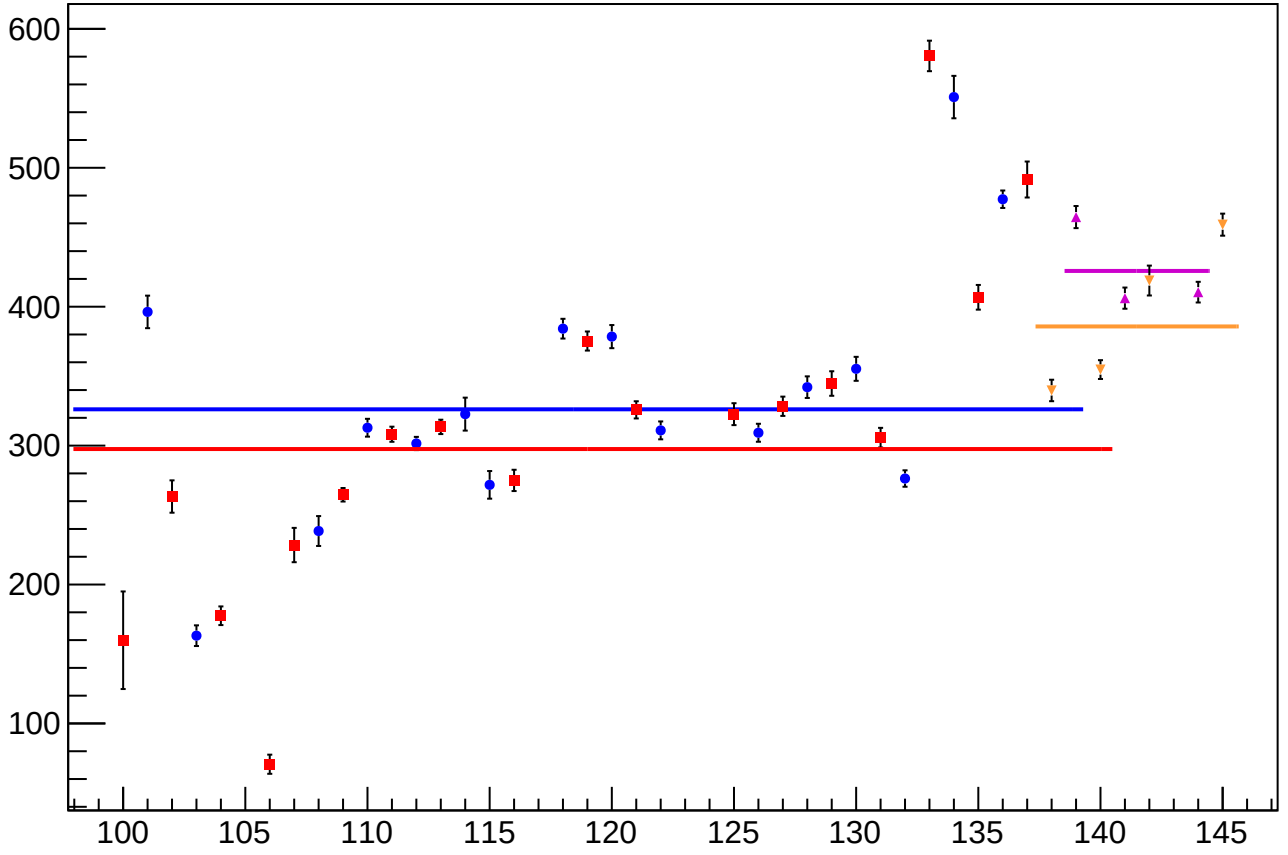
Left In: -350.772+/-0.258 χ^2/NDF:8927.6/2

+ sign -309.586+/-0.143 χ^2/NDF: 167285.4/19

All: -273.189+/-0.096 χ^2/NDF: 1060829.3/40

- sign -243.578+/-0.129 χ^2/NDF: 775930.1/20

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

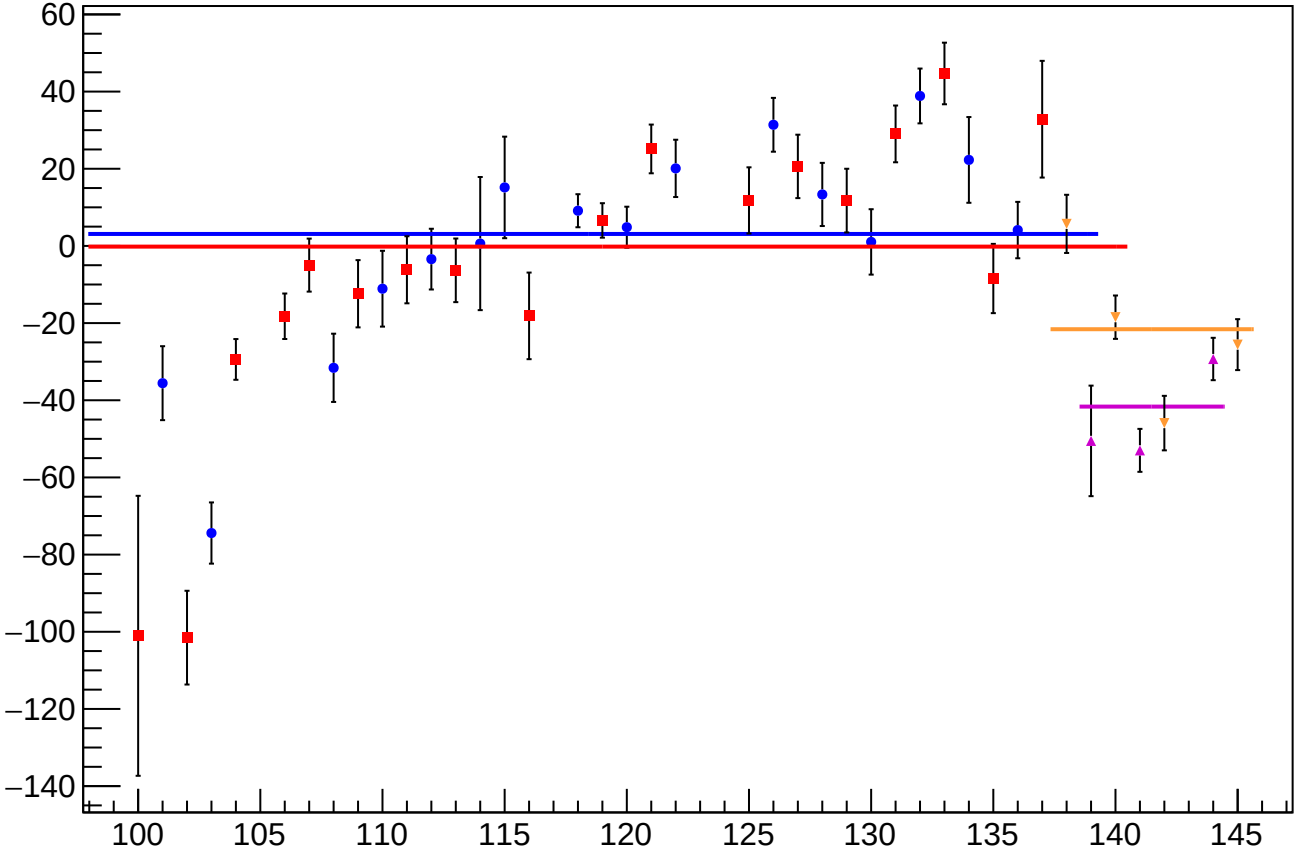
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 425.744+/-4.426 χ^2/NDF:34.6/2

+ sign 336.793+/-1.683 χ^2/NDF: 1978.7/19

All: 325.247+/-1.165 χ^2/NDF: 5606.6/40

- sign 314.611+/-1.615 χ^2/NDF: 3537.4/20



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -21.589+/-3.292 χ^2/NDF:25.7/3

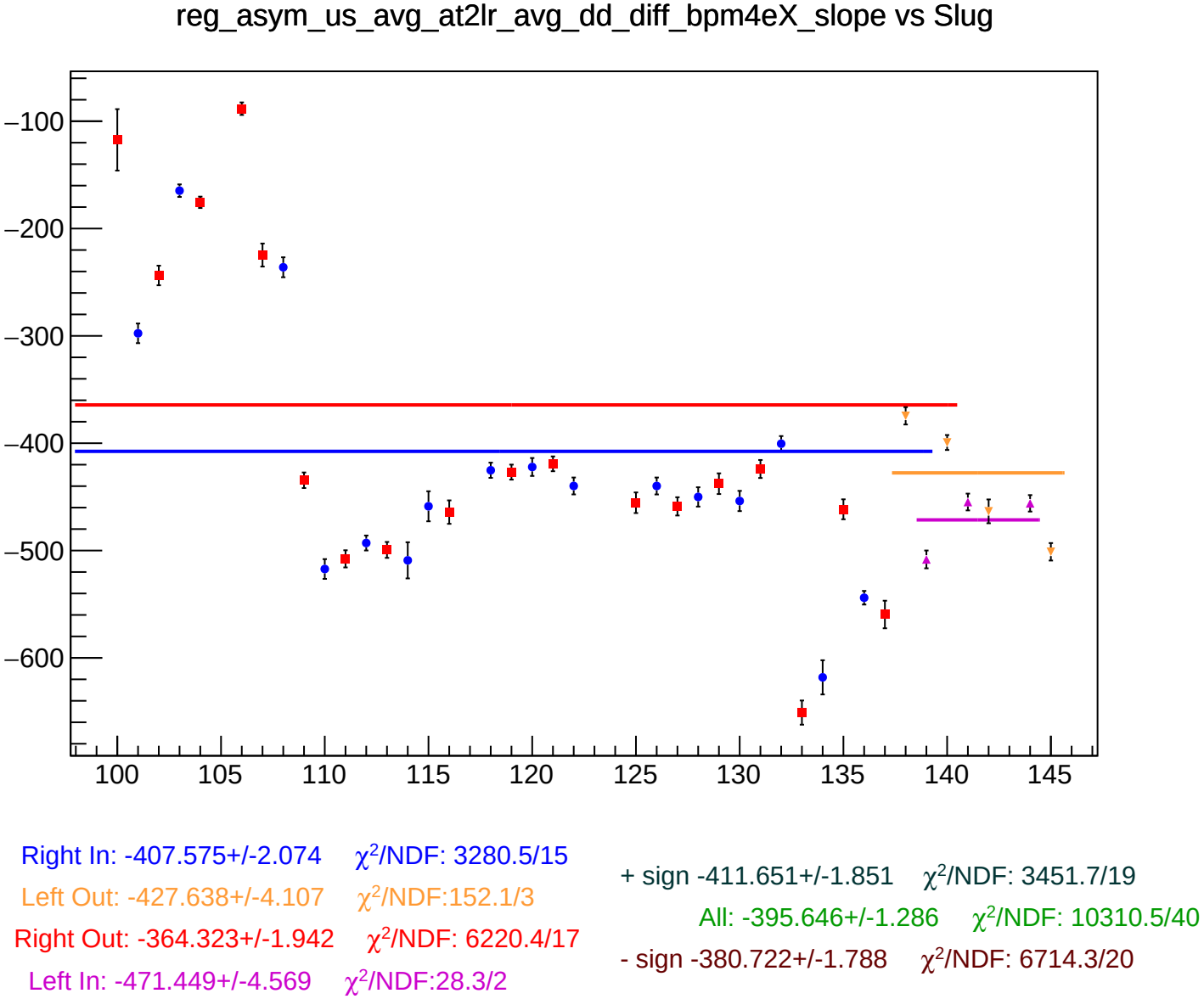
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

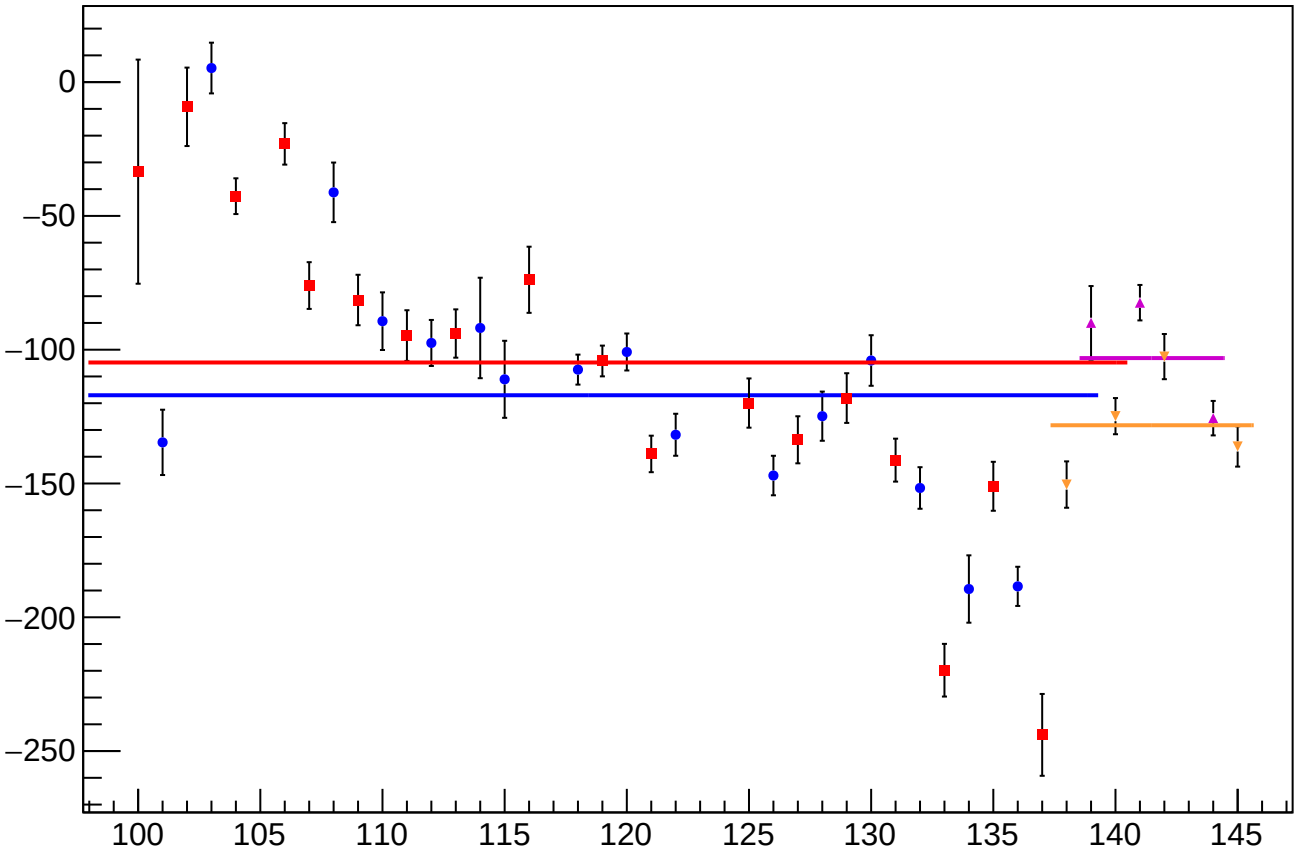
Left In: -41.642+/-3.771 χ^2/NDF:9.6/2

+ sign -3.029+/-1.641 χ^2/NDF: 252.5/19

All: -5.454+/-1.152 χ^2/NDF: 570.2/40

- sign -7.813+/-1.618 χ^2/NDF: 313.4/20


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug
−100
−200
−300
−400
−500
−600
100
105
110
115
120
125
130
135
140
145
Right In: -407.575+/-2.074 χ²/NDF: 3280.5/15
Left Out: -427.638+/-4.107 χ²/NDF:152.1/3
Right Out: -364.323+/-1.942 χ²/NDF: 6220.4/17
Left In: -471.449+/-4.569 χ²/NDF:28.3/2
+ sign -411.651+/-1.851 χ²/NDF: 3451.7/19
All: -395.646+/-1.286 χ²/NDF: 10310.5/40
- sign -380.722+/-1.788 χ²/NDF: 6714.3/20



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -128.238+/-3.868 χ^2/NDF:17.1/3

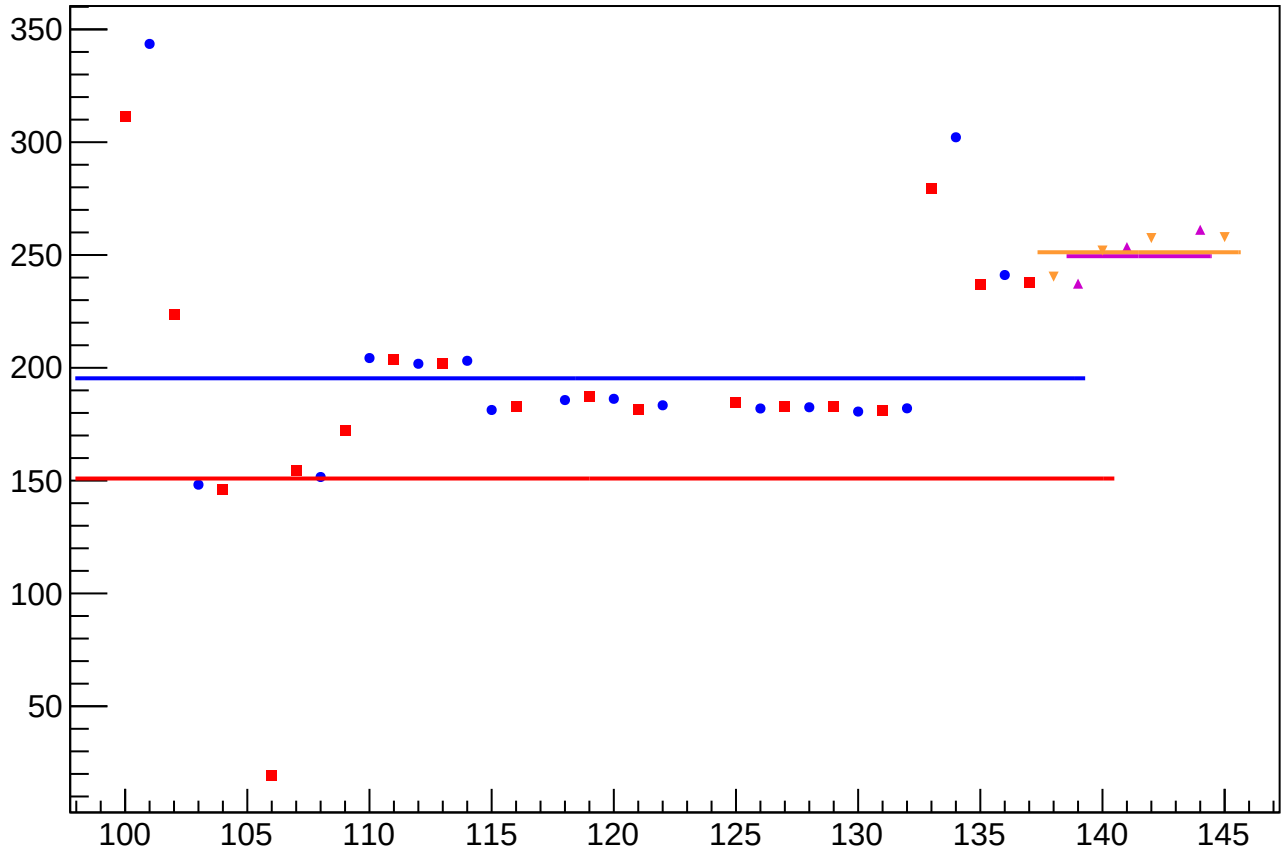
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -103.132+/-4.378 χ^2/NDF:22.8/2

\+ sign -119.752+/-1.909 χ^2/NDF: 431.3/19

All: -112.025+/-1.342 χ^2/NDF: 1061.8/40

\- sign -104.474+/-1.887 χ^2/NDF: 598.0/20



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

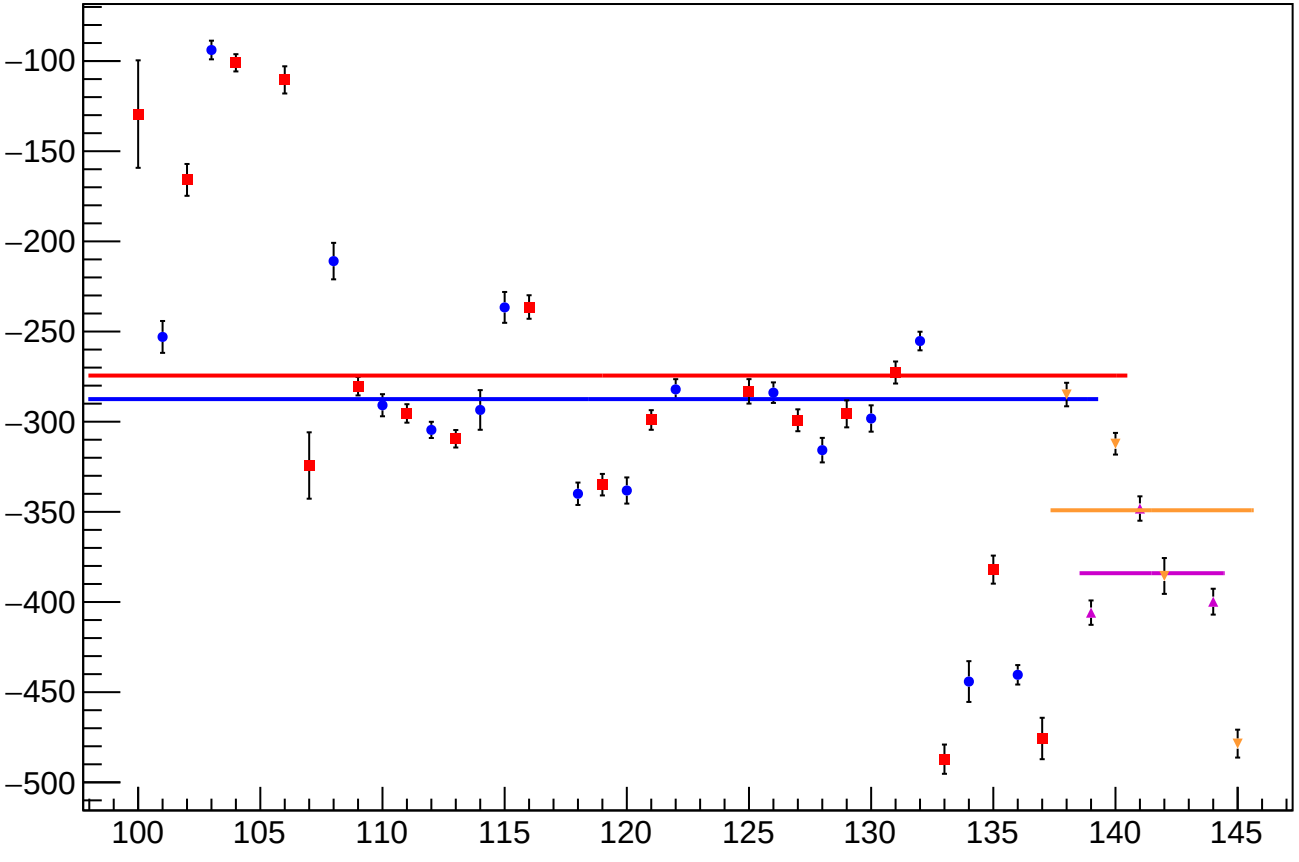
Left In: 249.475+/-0.184 χ^2/NDF:3014.4/2

+ sign 214.751+/-0.101 χ^2/NDF: 248489.2/19

All: 194.674+/-0.069 χ^2/NDF: 1037117.9/40

- sign 176.996+/-0.094 χ^2/NDF: 713863.3/20

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -349.122+/-3.580 χ^2/NDF:427.8/3

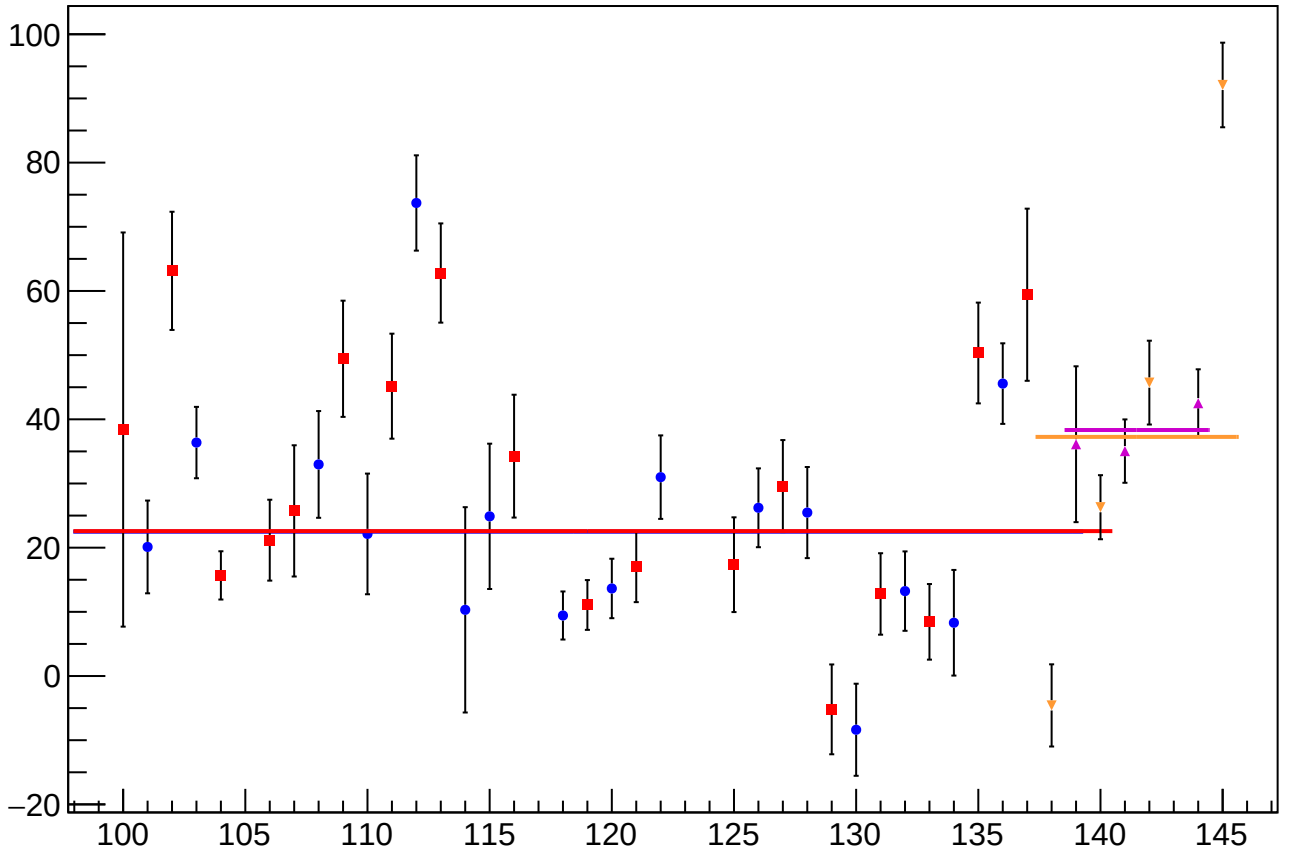
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -384.024+/-3.978 χ^2/NDF:43.5/2

+ sign -297.861+/-1.469 χ^2/NDF: 3370.9/19

All: -293.299+/-1.030 χ^2/NDF: 7505.6/40

- sign -288.884+/-1.445 χ^2/NDF: 4115.7/20



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

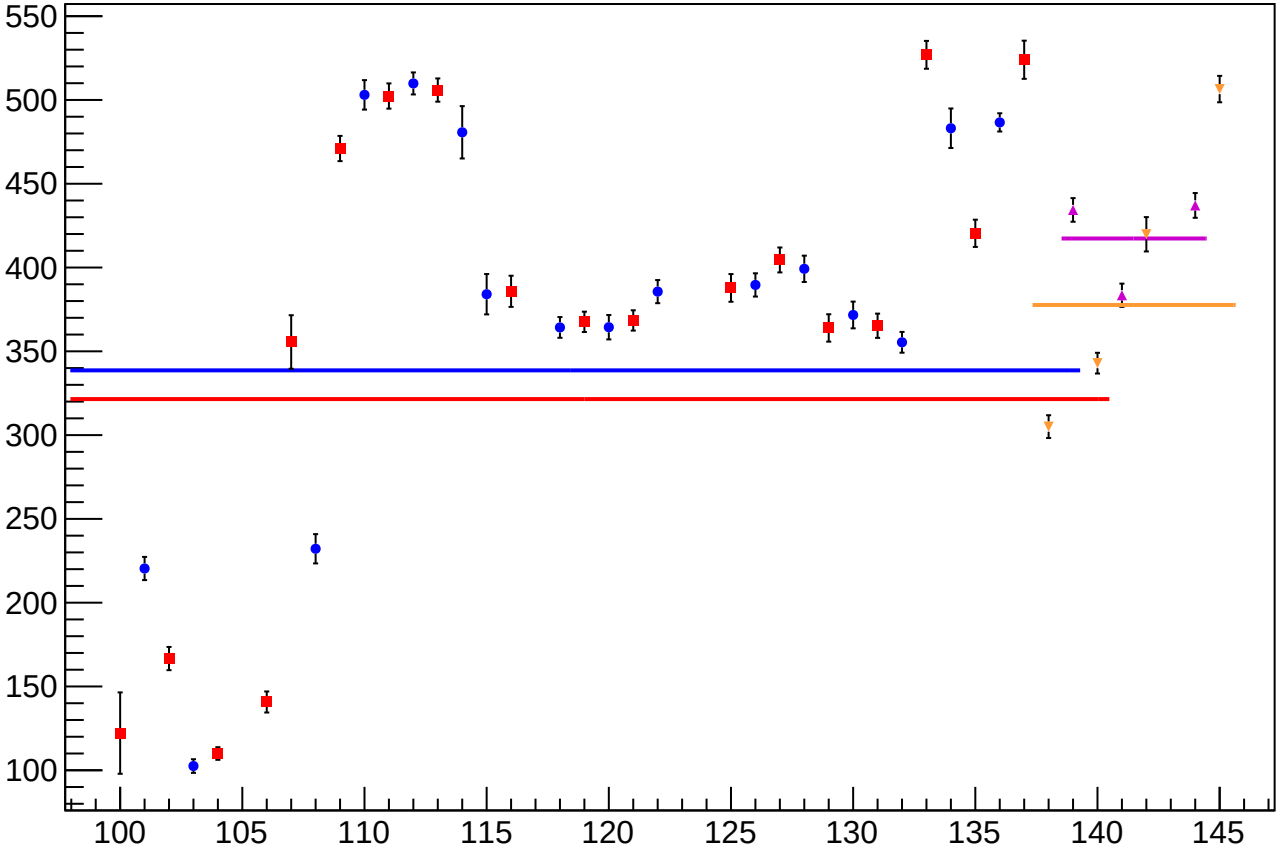
Left In: 38.334+/-3.457 χ^2/NDF:1.1/2

\+ sign 25.826+/-1.426 χ^2/NDF: 248.6/19

All: 25.550+/-1.010 χ^2/NDF: 390.3/40

\- sign 25.272+/-1.429 χ^2/NDF: 141.7/20

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

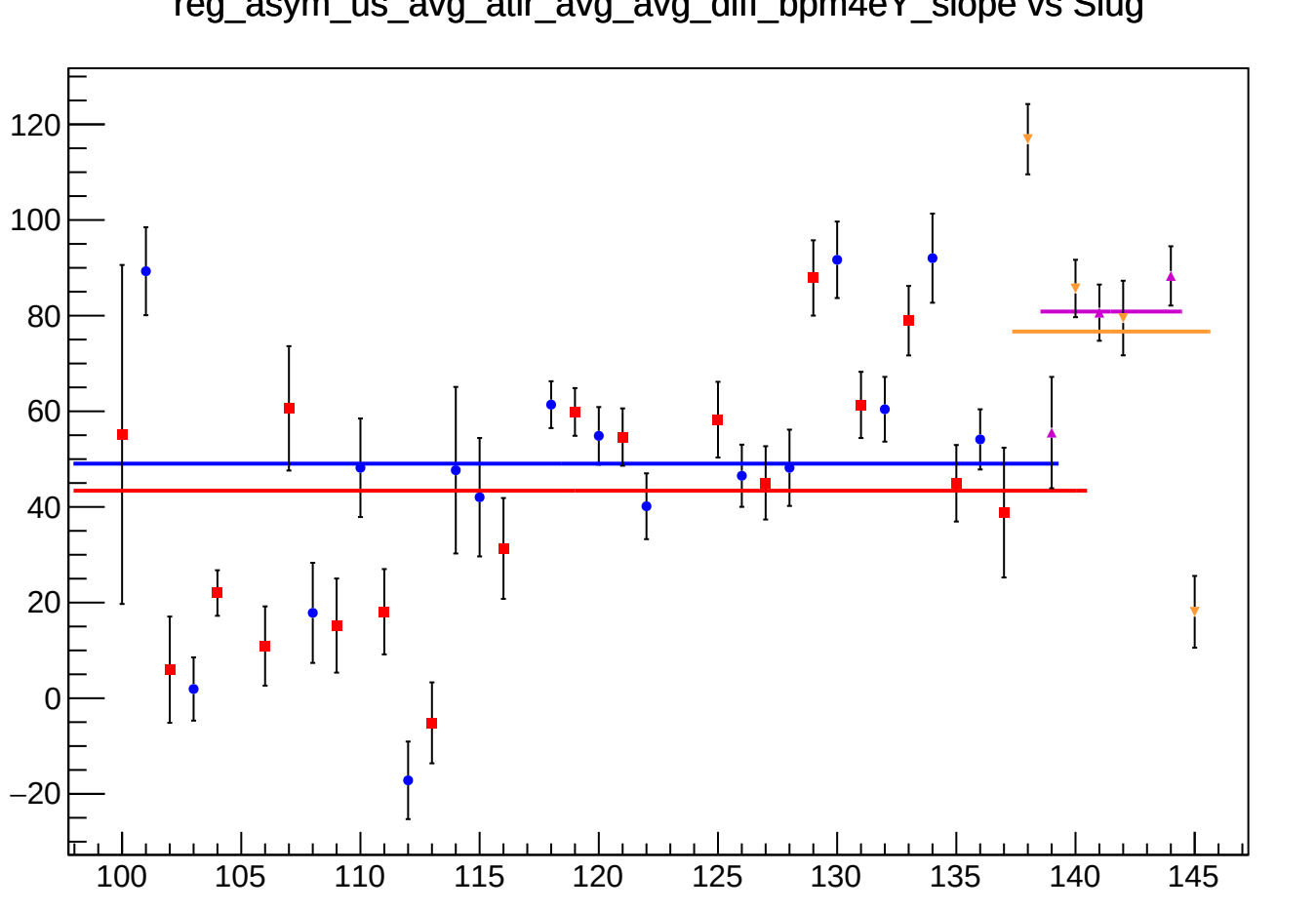
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 417.331+/-4.109 χ^2/NDF:36.8/2

+ sign 345.787+/-1.580 χ^2/NDF: 6563.9/19

All: 340.561+/-1.112 χ^2/NDF: 14808.1/40

- sign 335.426+/-1.566 χ^2/NDF: 8222.6/20



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 76.681+/-3.526 χ^2/NDF:93.3/3

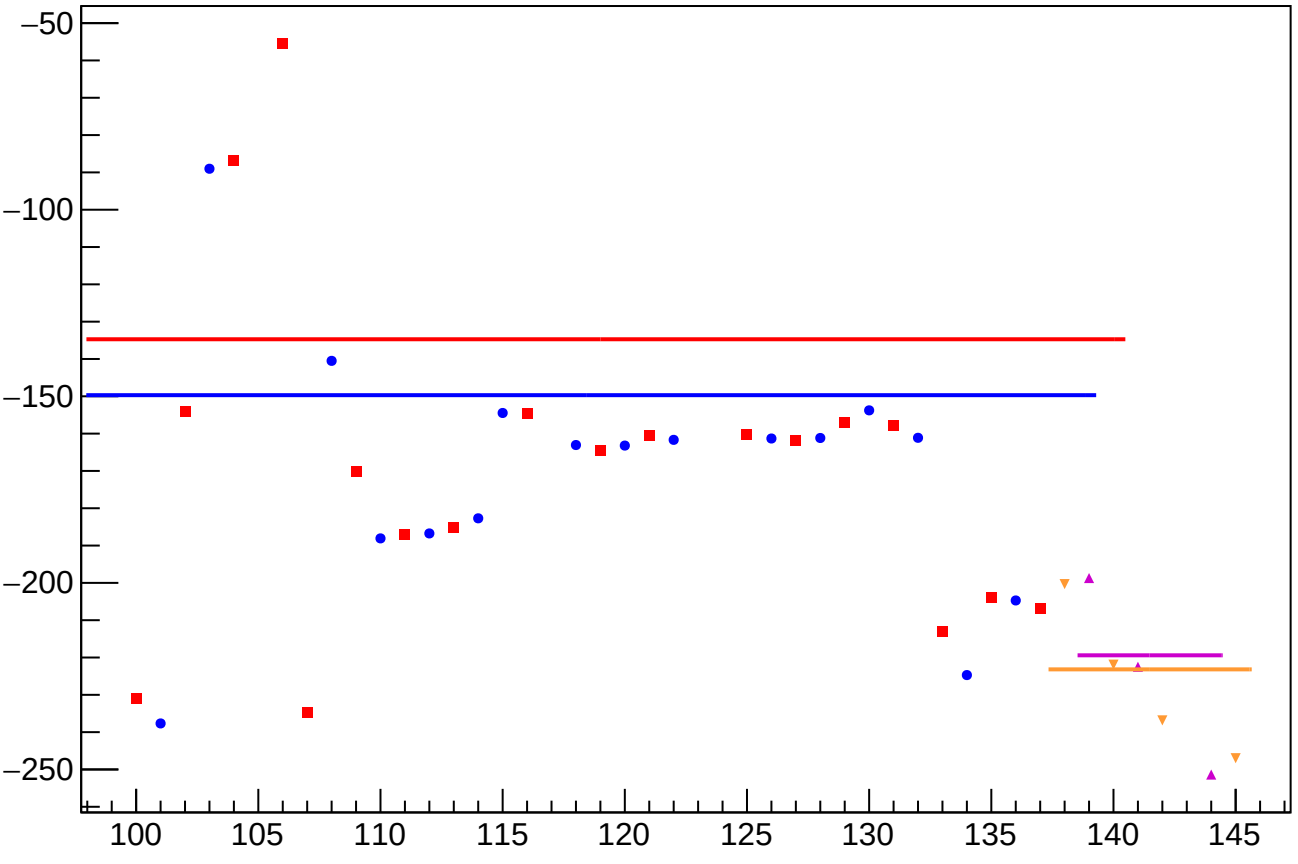
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 80.862+/-4.006 χ^2/NDF:6.2/2

+ sign 55.182+/-1.661 χ^2/NDF: 349.0/19

All: 52.544+/-1.177 χ^2/NDF: 612.6/40

- sign 49.885+/-1.667 χ^2/NDF: 258.5/20



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -223.178+/-0.154 χ^2/NDF:13869.0/3

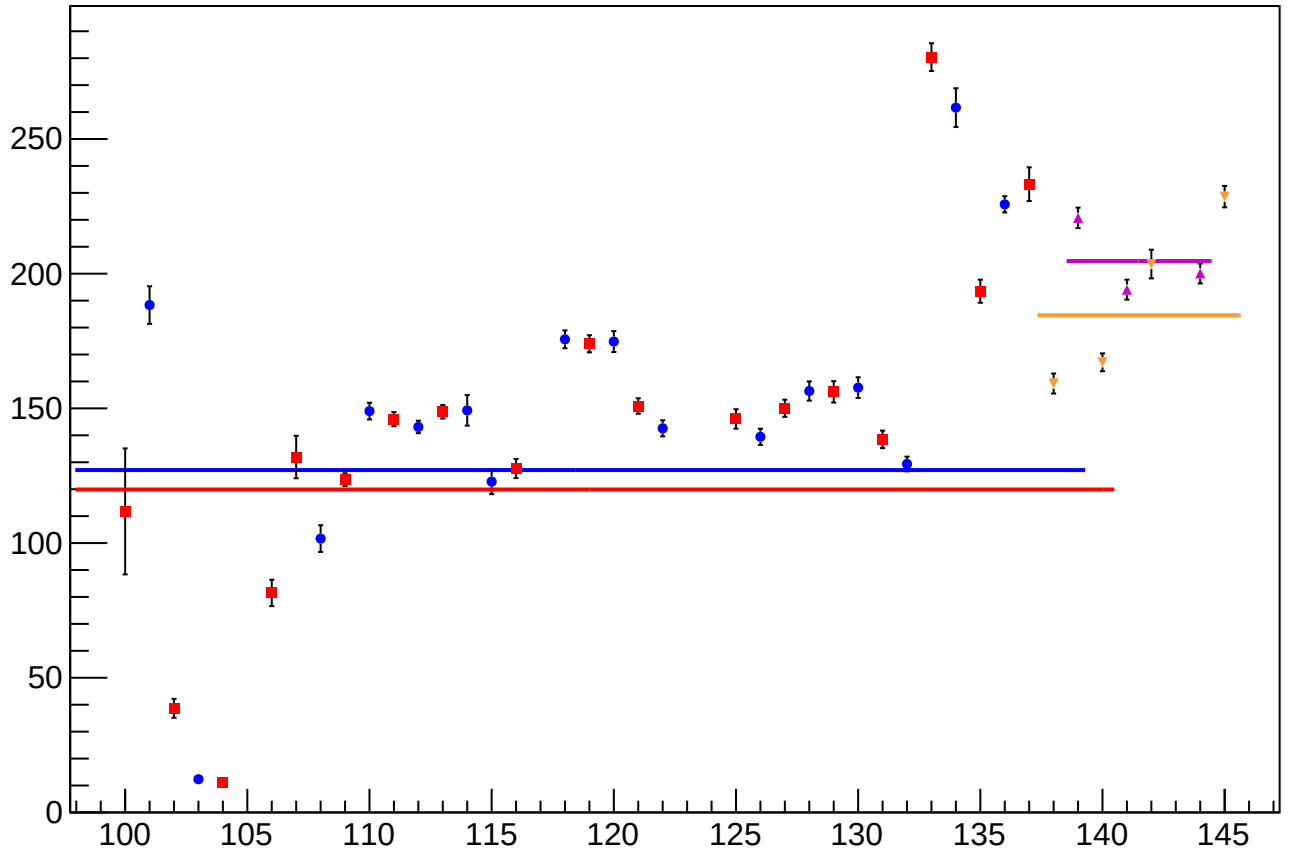
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -219.409+/-0.164 χ^2/NDF:16233.5/2

+ sign -171.833+/-0.084 χ^2/NDF: 430349.1/19

All: -164.206+/-0.059 χ^2/NDF: 973624.3/40

- sign -156.730+/-0.083 χ^2/NDF: 527059.2/20



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 184.573+/-1.951 χ^2/NDF:209.7/3

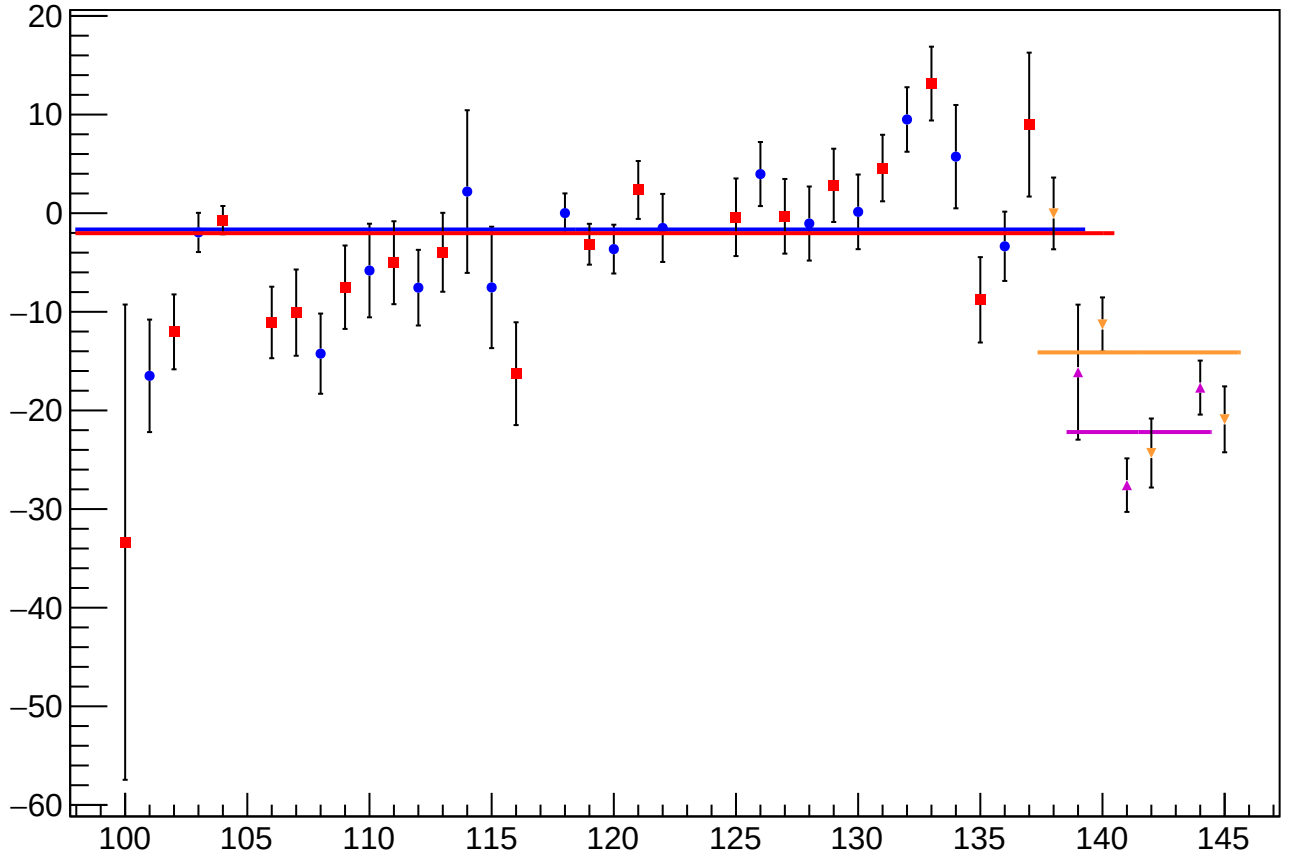
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 204.718+/-2.162 χ^2/NDF:27.5/2

+ sign 135.564+/-0.749 χ^2/NDF: 7112.9/19

All: 132.466+/-0.522 χ^2/NDF: 15188.1/40

- sign 129.530+/-0.729 χ^2/NDF: 8041.9/20



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

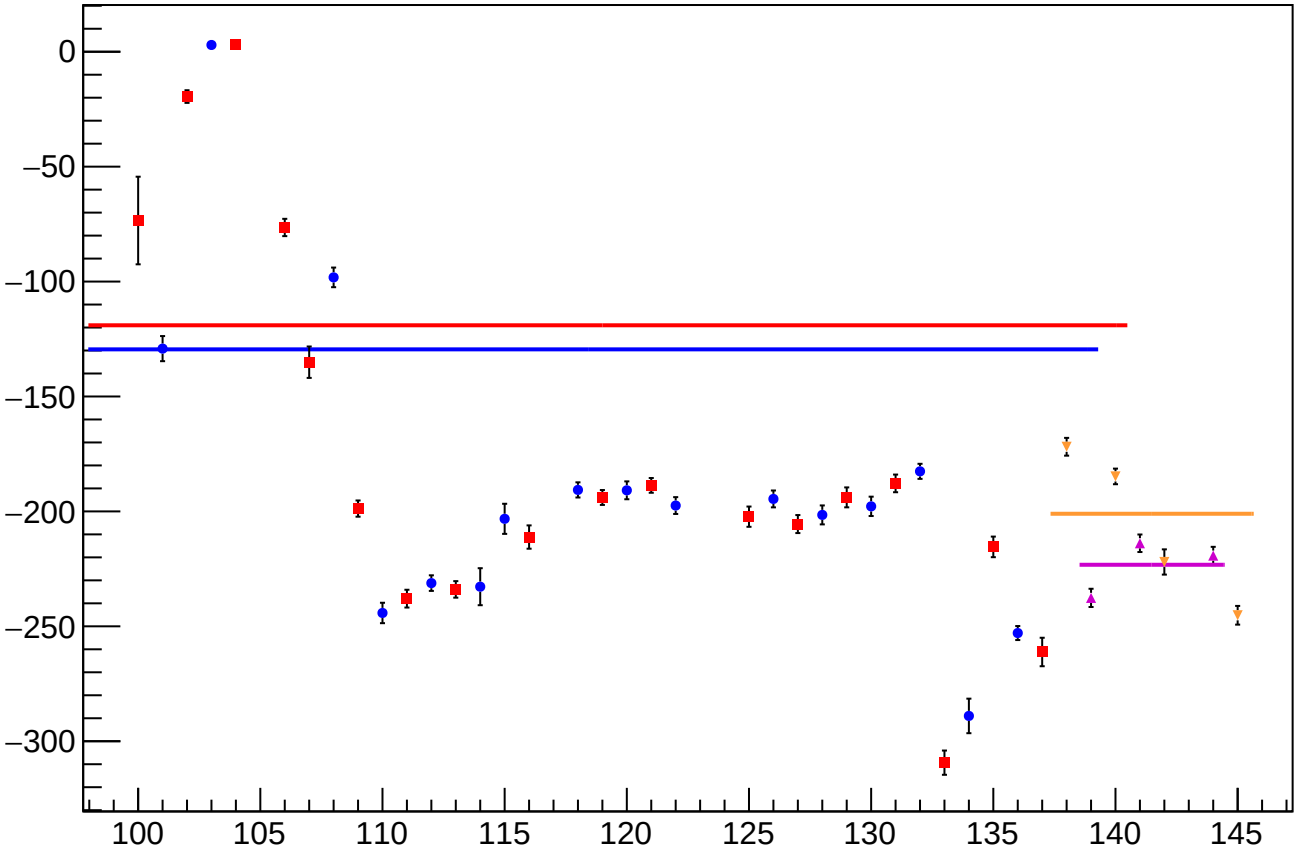
Left In: -22.190+/-1.856 χ^2/NDF:7.4/2

+ sign -4.248+/-0.741 χ^2/NDF: 114.4/19

All: -4.634+/-0.513 χ^2/NDF: 281.7/40

- sign -4.990+/-0.711 χ^2/NDF: 166.7/20

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.027+/-2.012 χ^2/NDF:211.8/3

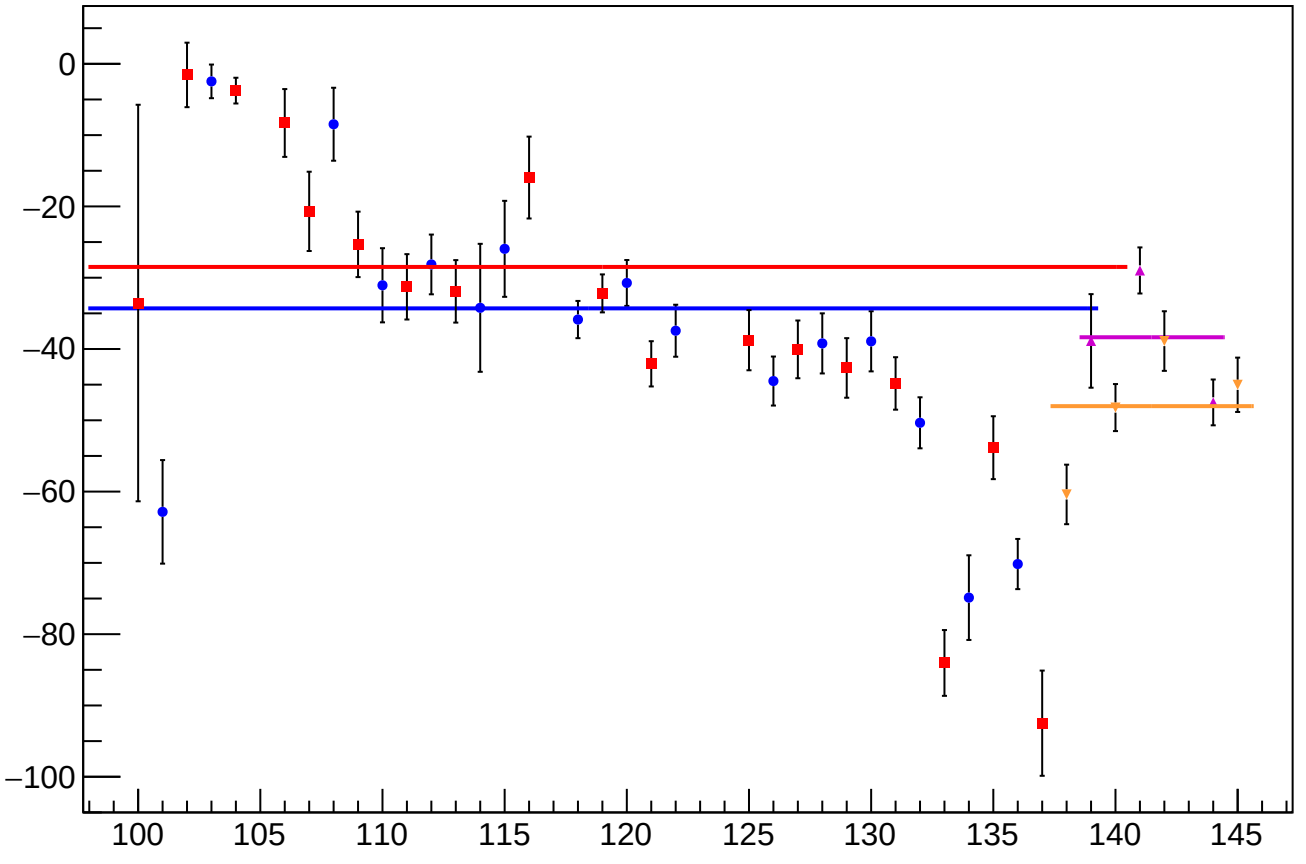
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -223.222+/-2.232 χ^2/NDF:20.3/2

+ sign -140.250+/-0.780 χ^2/NDF: 15973.4/19

All: -135.640+/-0.546 χ^2/NDF: 34163.7/40

- sign -131.223+/-0.764 χ^2/NDF: 18122.0/20



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

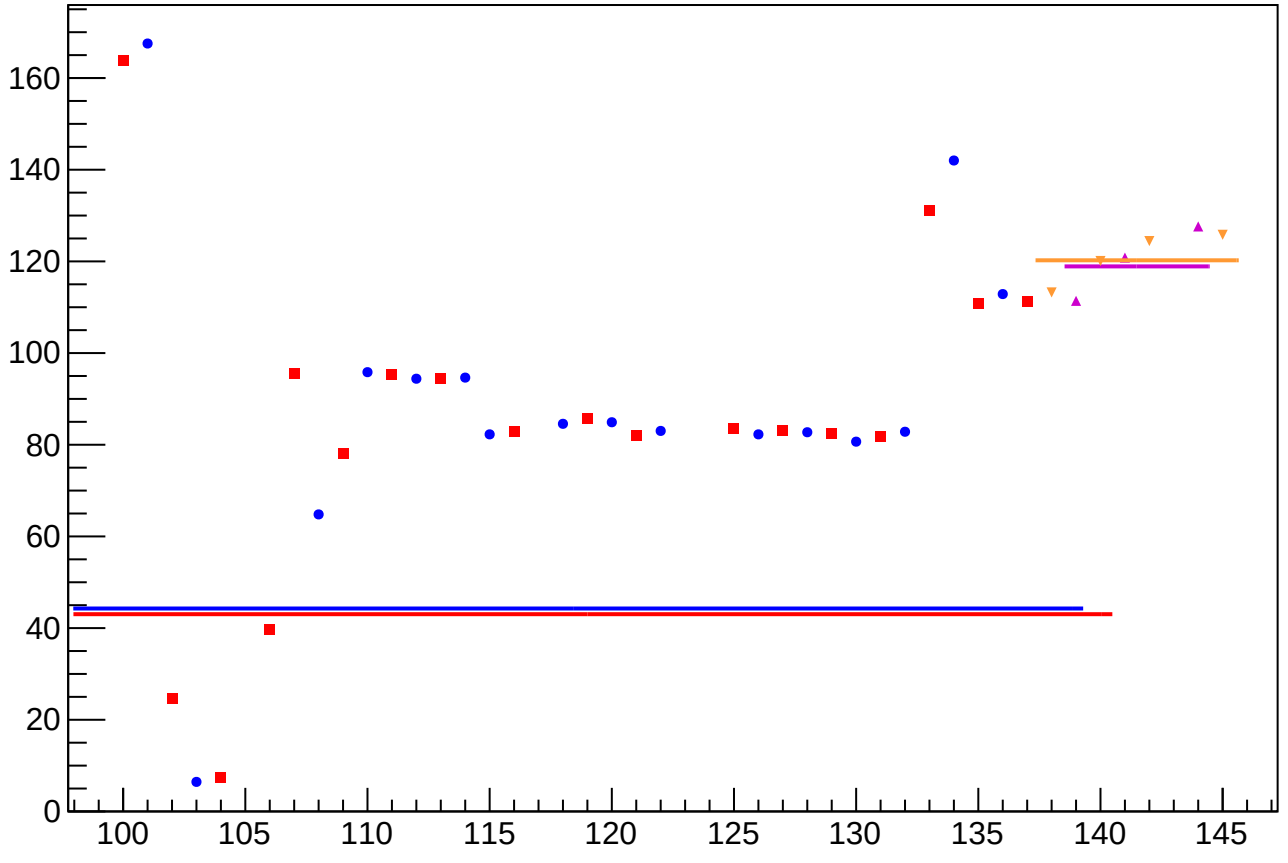
Left In: -38.352+/-2.153 χ^2/NDF:16.5/2

\+ sign -37.112+/-0.863 χ^2/NDF: 466.7/19

All: -33.429+/-0.600 χ^2/NDF: 1104.3/40

\- sign -29.975+/-0.836 χ^2/NDF: 602.4/20

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

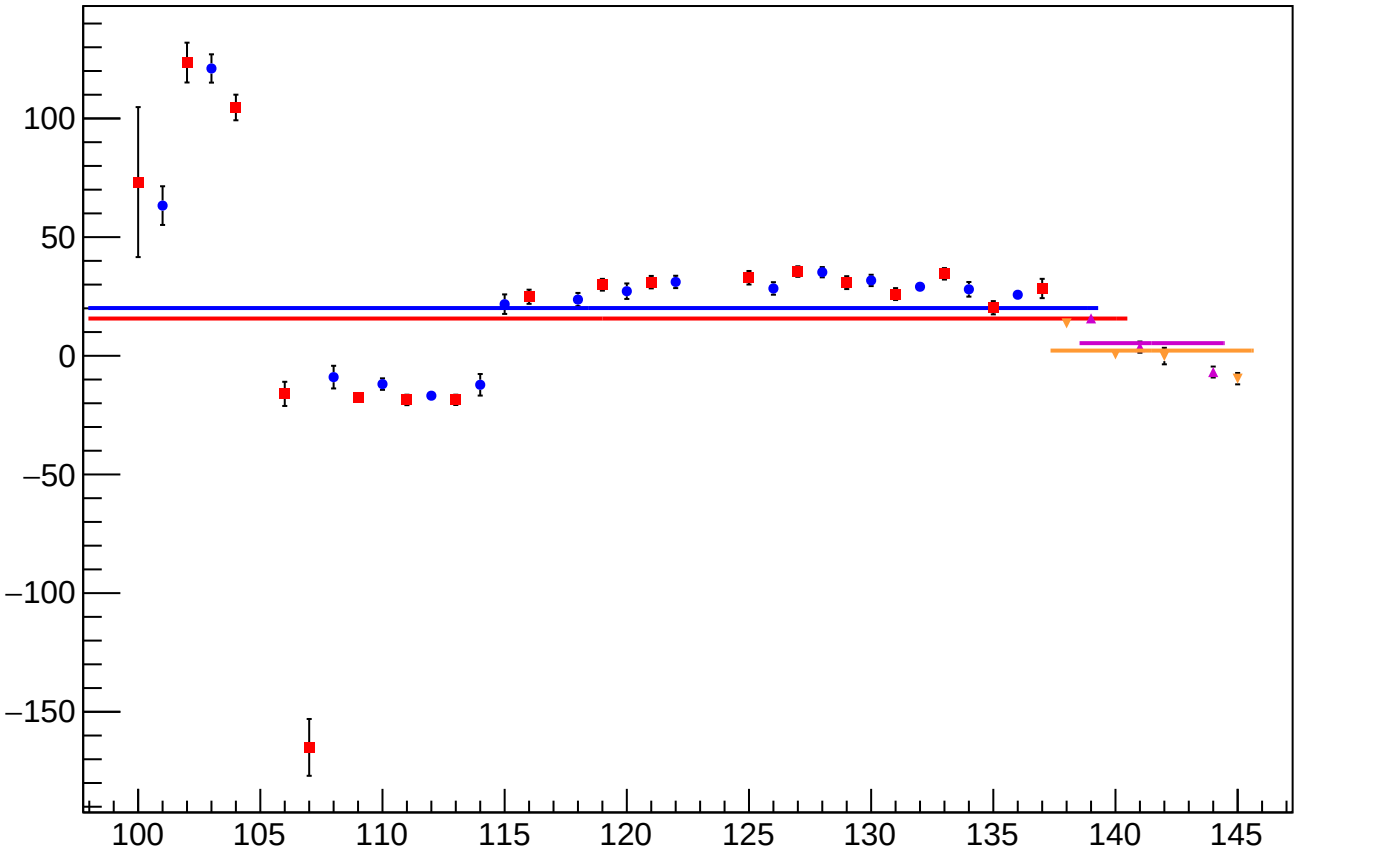
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 118.909+/-0.089 χ^2/NDF:5565.6/2

+ sign 61.281+/-0.040 χ^2/NDF: 1728299.2/19

All: 59.852+/-0.028 χ^2/NDF: 3115518.6/40

- sign 58.376+/-0.040 χ^2/NDF: 1384569.1/20



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 2.197+/-1.180 χ^2/NDF:55.5/3

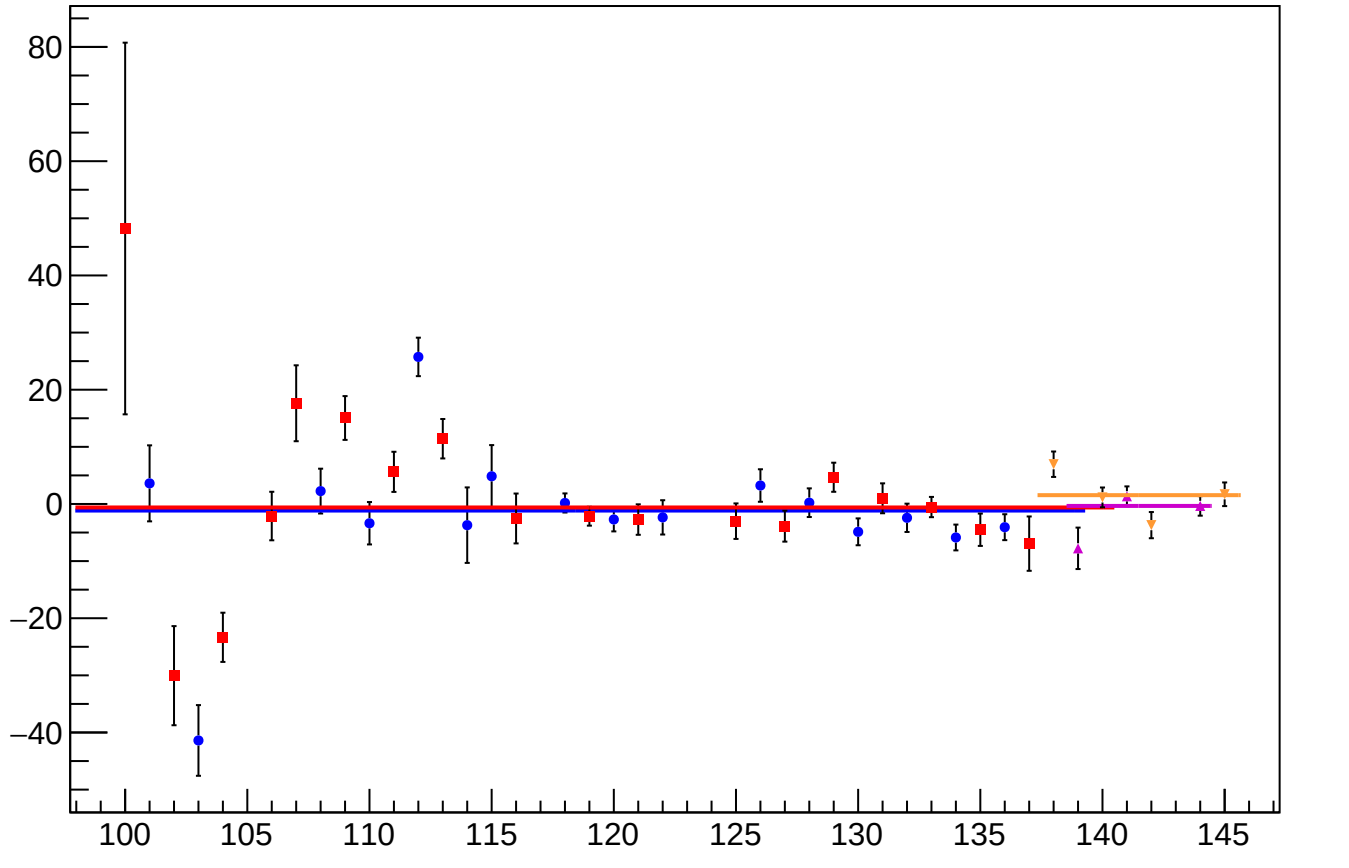
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 5.330+/-1.273 χ^2/NDF:55.4/2

+ sign 15.578+/-0.594 χ^2/NDF: 1275.9/19

All: 14.497+/-0.422 χ^2/NDF: 3163.4/40

- sign 13.388+/-0.601 χ^2/NDF: 1880.8/20



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 1.542+/-1.022 χ^2/NDF:11.2/3

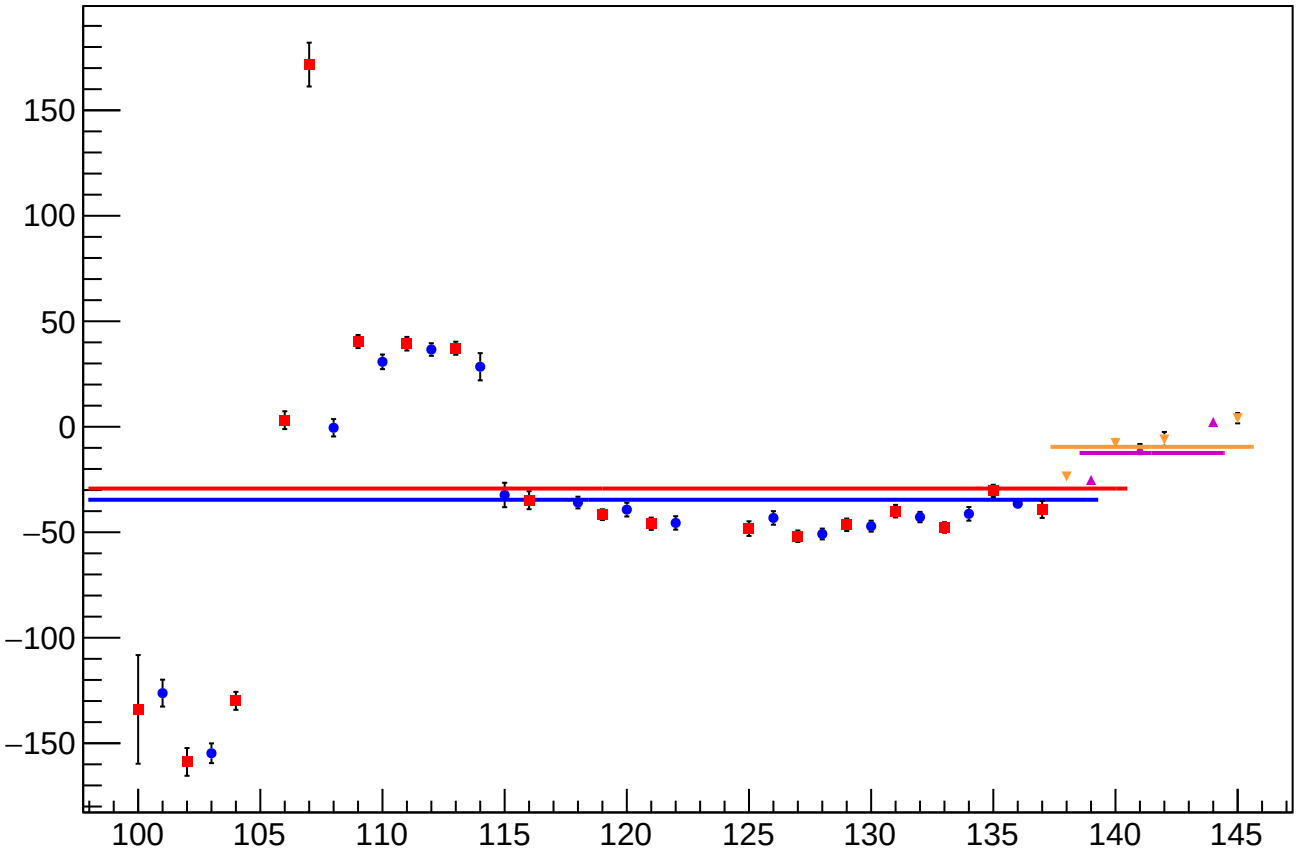
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.342+/-1.153 χ^2/NDF:5.1/2

+ sign -0.292+/-0.577 χ^2/NDF: 137.8/19

All: -0.409+/-0.418 χ^2/NDF: 236.4/40

- sign -0.539+/-0.607 χ^2/NDF: 98.6/20



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -9.522+/-1.217 χ^2/NDF:74.0/3

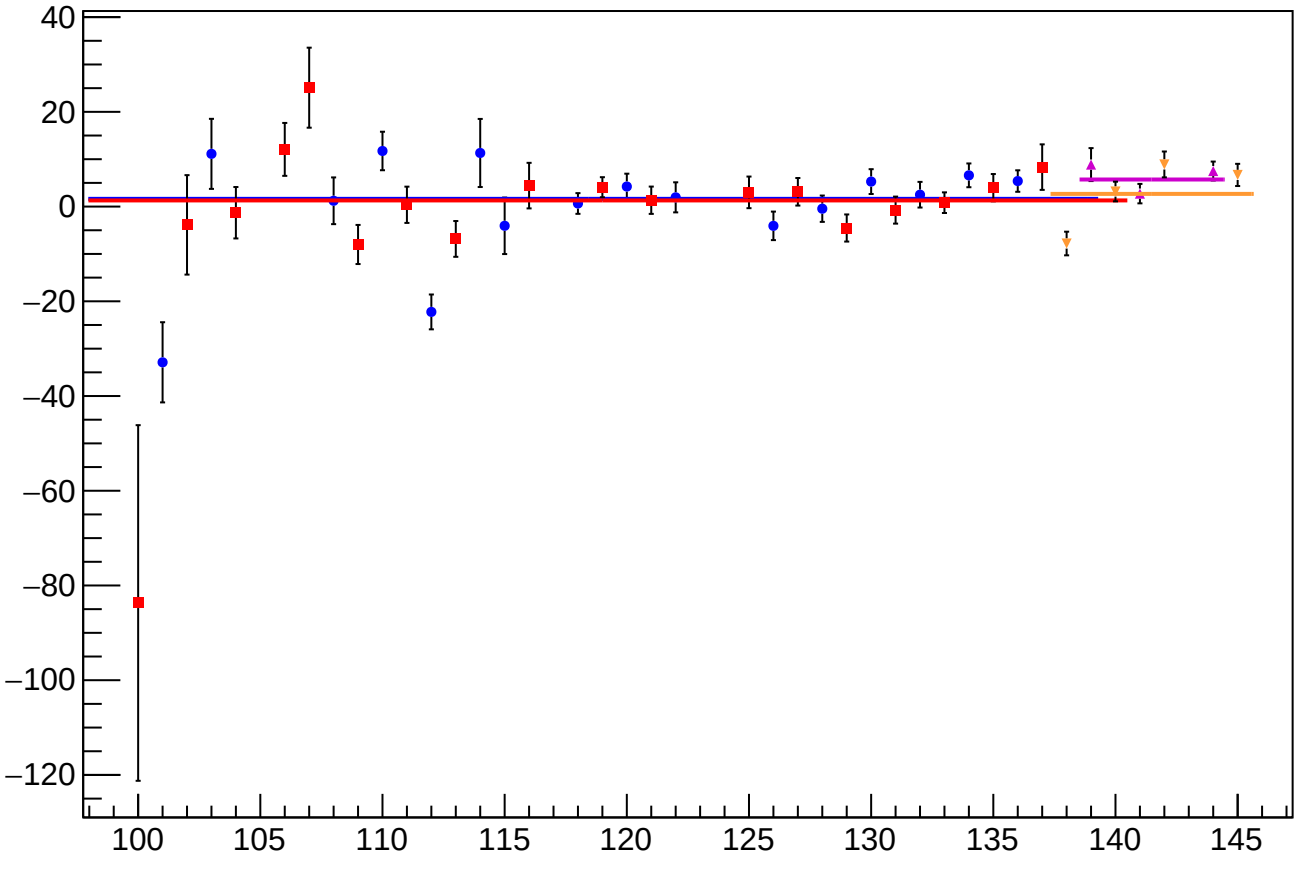
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -12.423+/-1.316 χ^2/NDF:76.2/2

\+ sign -27.211+/-0.660 χ^2/NDF: 2432.2/19

All: -26.013+/-0.475 χ^2/NDF: 5716.0/40

\- sign -24.730+/-0.683 χ^2/NDF: 3277.0/20



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 2.677+/-1.188 χ^2/NDF:25.8/3

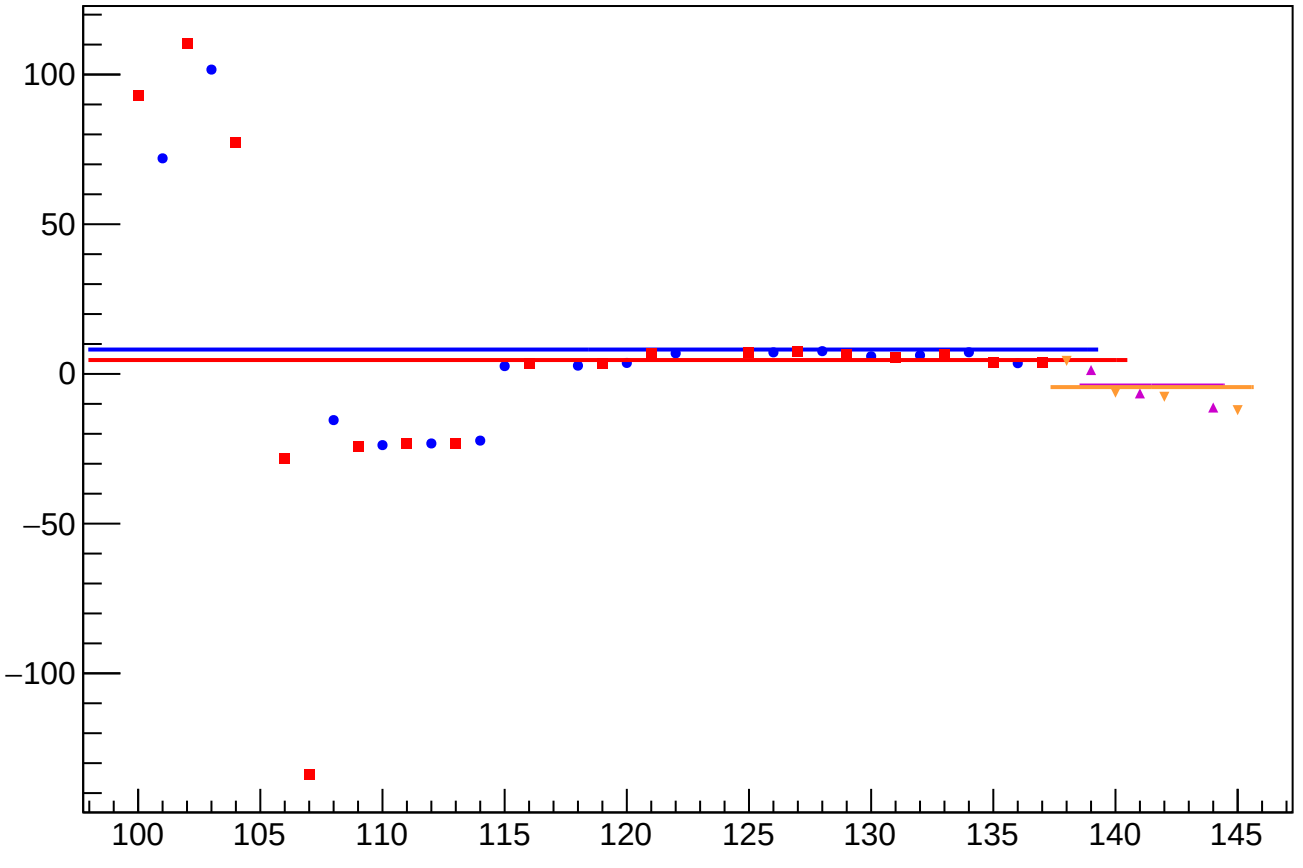
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 5.714+/-1.324 χ^2/NDF:3.7/2

+ sign 1.955+/-0.662 χ^2/NDF: 109.6/19

All: 2.222+/-0.479 χ^2/NDF: 159.3/40

- sign 2.516+/-0.695 χ^2/NDF: 49.3/20



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -4.401+/-0.050 χ^2/NDF:17727.4/3

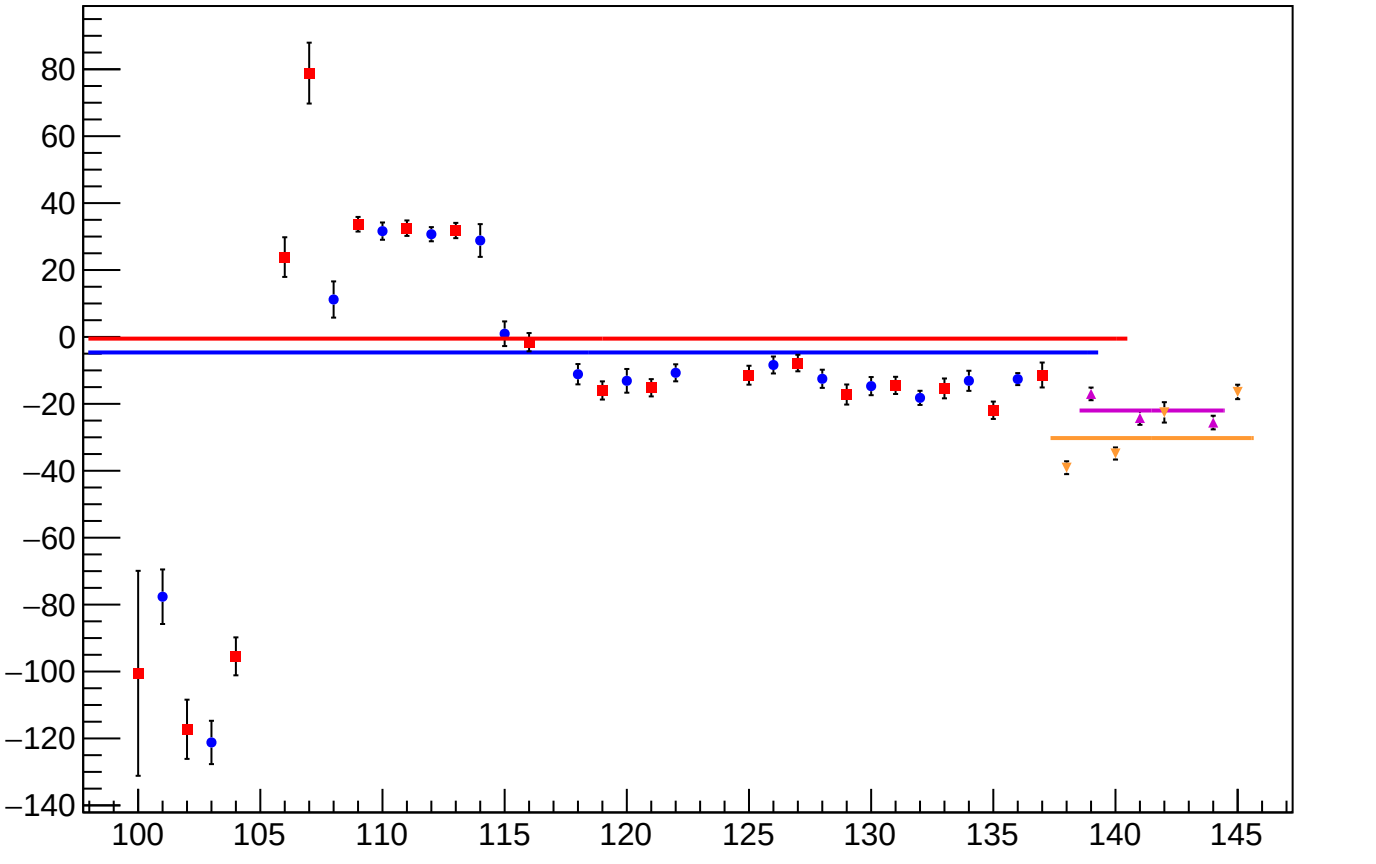
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.870+/-0.052 χ^2/NDF:10299.1/2

\+ sign 2.053+/-0.035 χ^2/NDF: 363748.3/19

All: 1.272+/-0.025 χ^2/NDF: 835423.2/40

\- sign 0.401+/-0.037 χ^2/NDF: 470601.3/20



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -30.228+/-1.056 χ^2/NDF:74.9/3

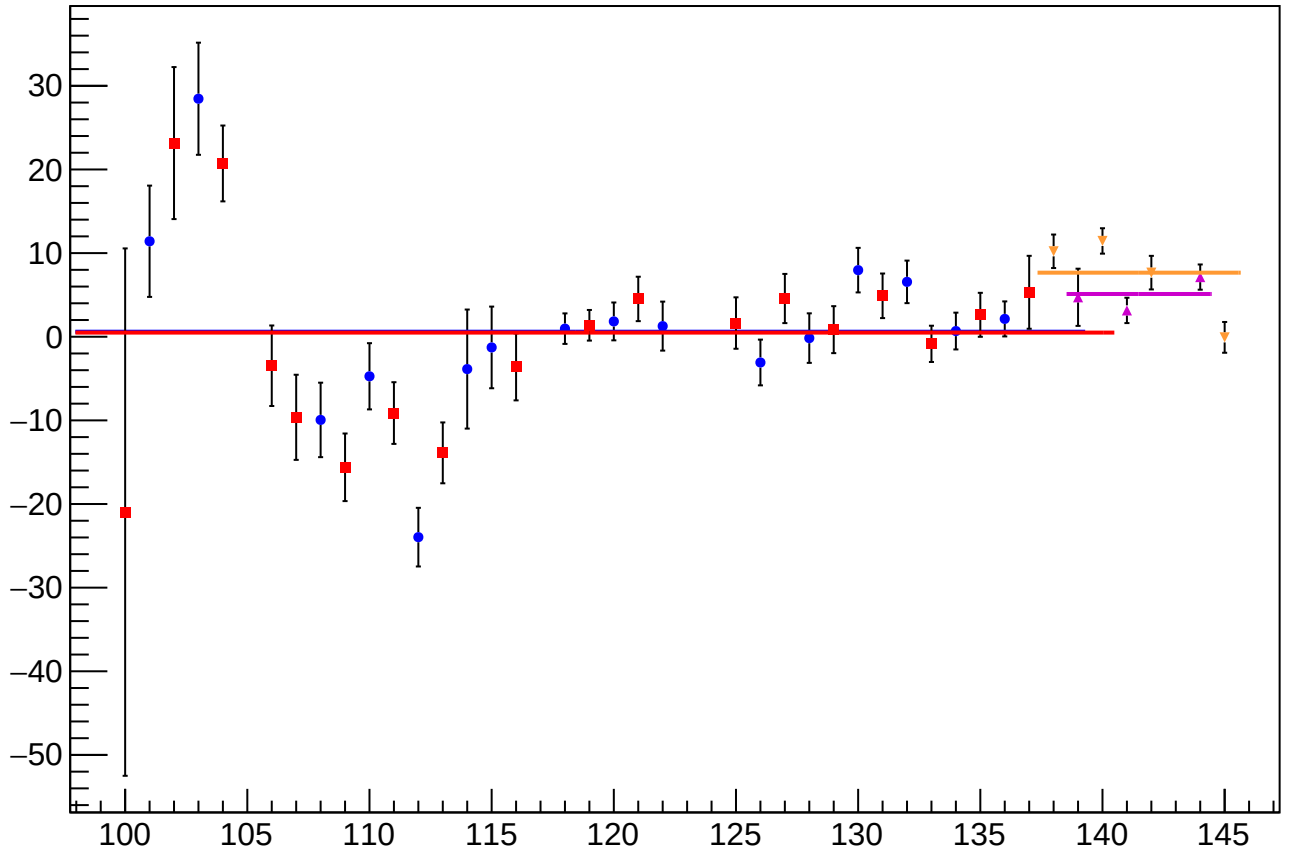
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -21.990+/-1.151 χ^2/NDF:11.2/2

+ sign -12.625+/-0.590 χ^2/NDF: 1524.7/19

All: -9.606+/-0.422 χ^2/NDF: 3299.4/40

- sign -6.435+/-0.605 χ^2/NDF: 1721.1/20



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

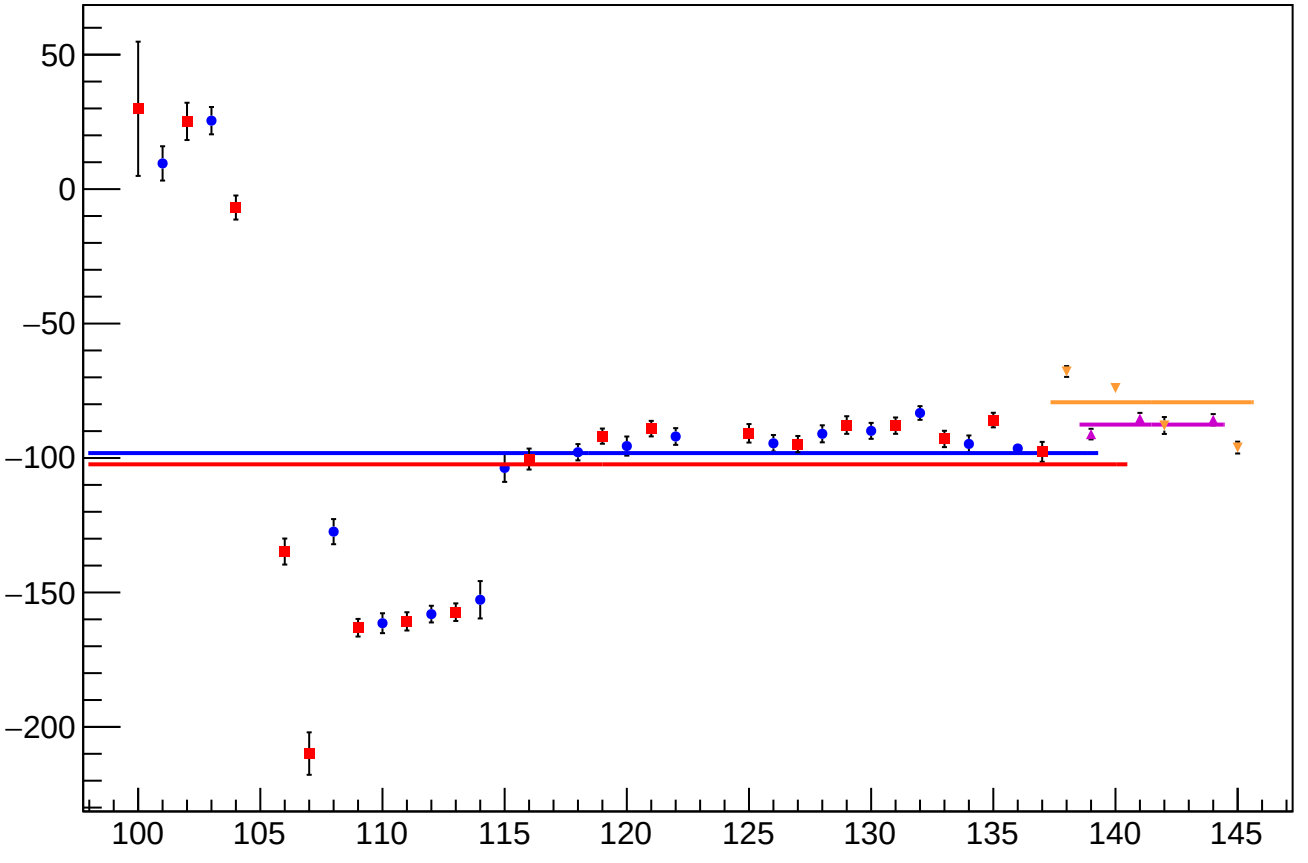
Left In: 5.111+/-1.020 χ^2/NDF:3.5/2

+ sign 3.378+/-0.566 χ^2/NDF: 155.5/19

All: 2.796+/-0.414 χ^2/NDF: 254.6/40

- sign 2.129+/-0.607 χ^2/NDF: 96.9/20

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -79.264+/-1.090 χ^2/NDF:106.7/3

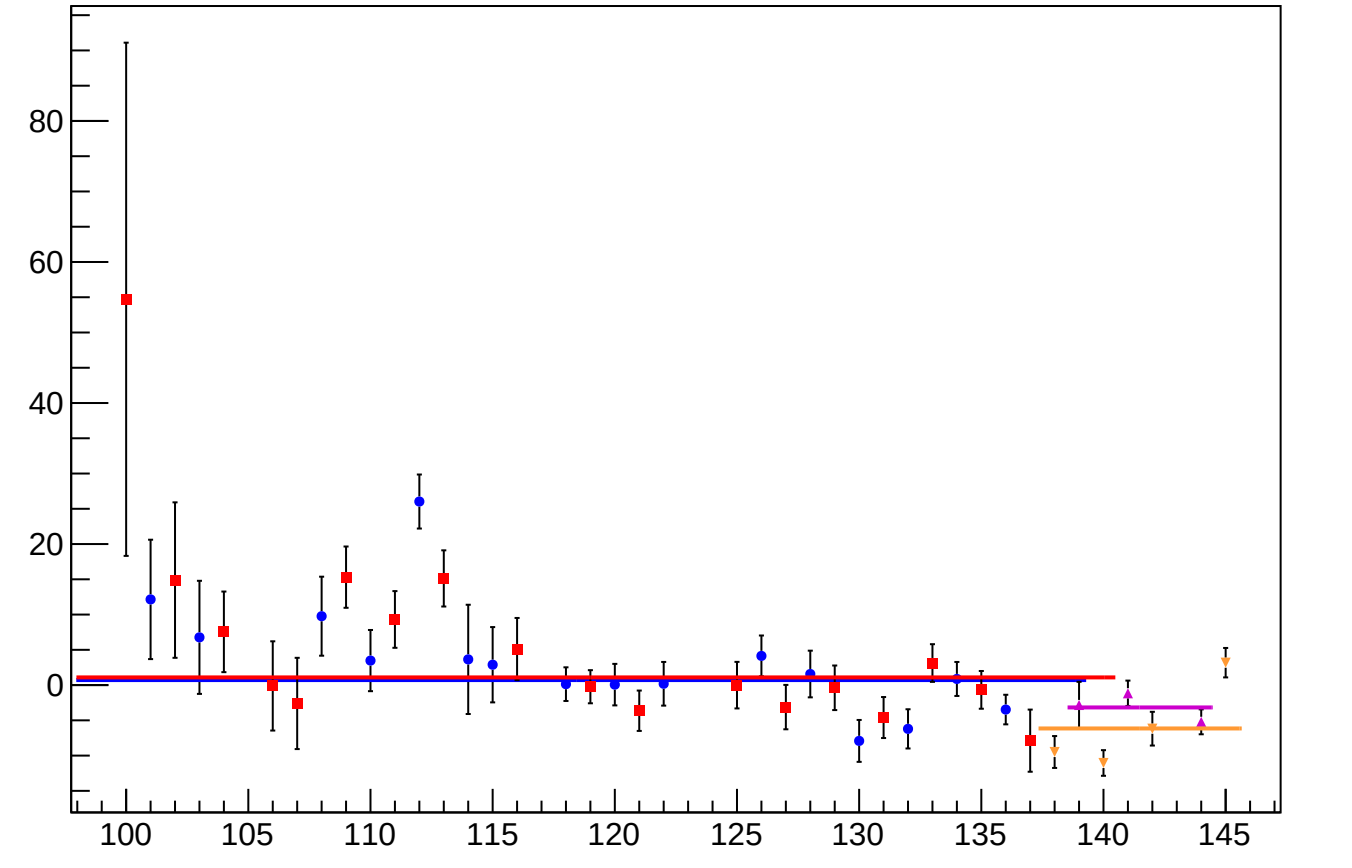
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -87.570+/-1.189 χ^2/NDF:5.1/2

+ sign -91.412+/-0.651 χ^2/NDF: 1999.9/19

All: -94.284+/-0.472 χ^2/NDF: 4266.7/40

- sign -97.454+/-0.684 χ^2/NDF: 2225.9/20



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -6.152+/-1.053 χ^2/NDF:29.4/3

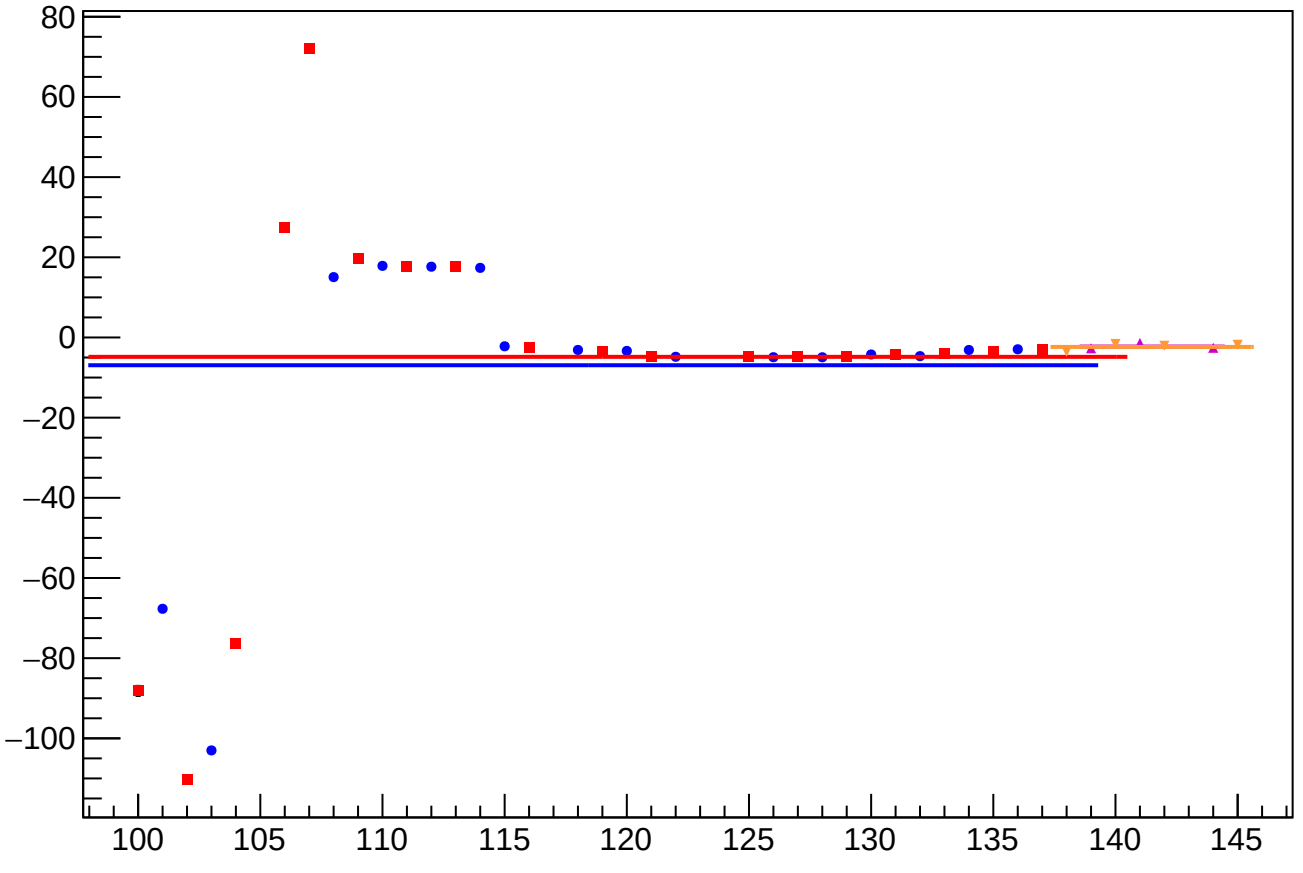
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -3.171+/-1.176 χ^2/NDF:2.6/2

+ sign -1.886+/-0.648 χ^2/NDF: 125.4/19

All: -1.187+/-0.473 χ^2/NDF: 186.7/40

- sign -0.388+/-0.692 χ^2/NDF: 58.8/20



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -2.355+/-0.045 χ^2/NDF:355.5/3

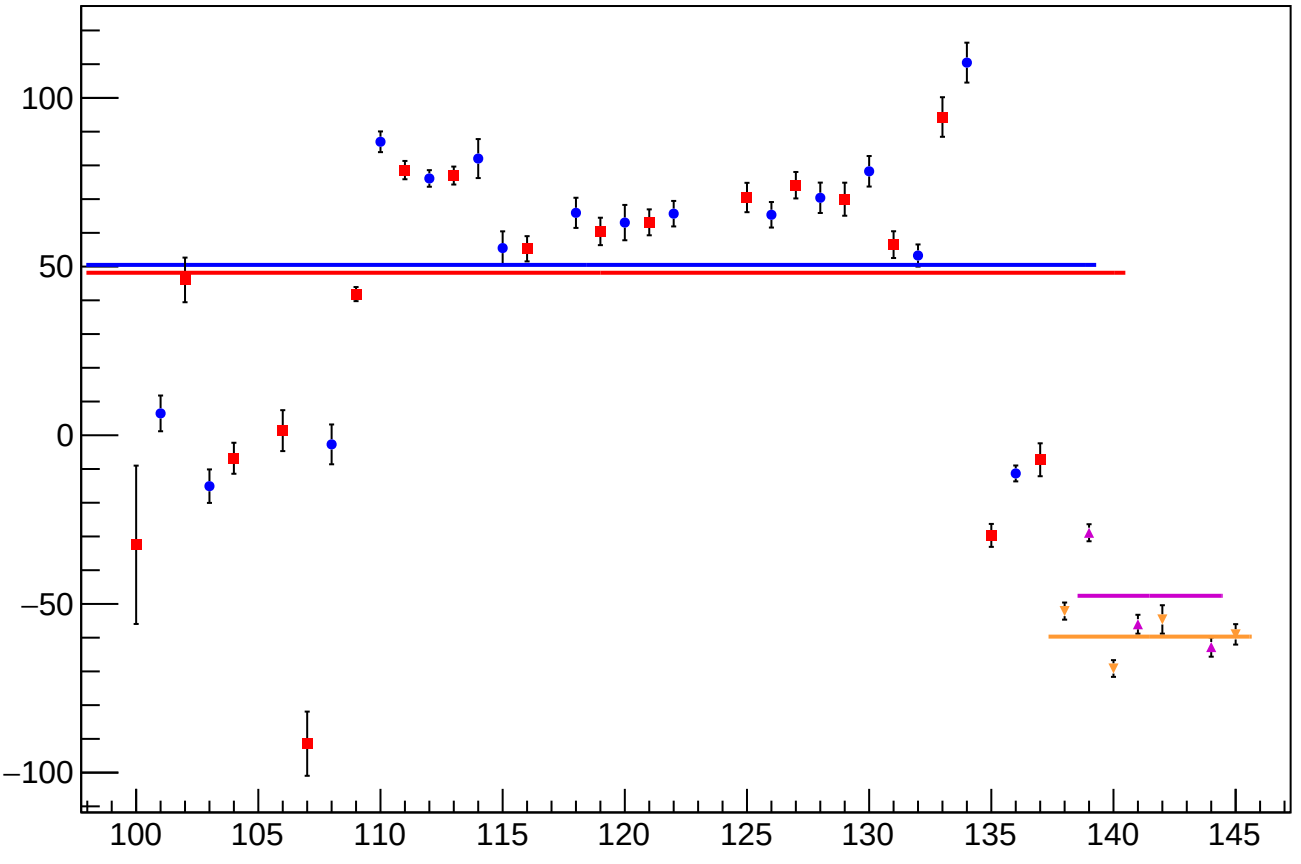
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -2.265+/-0.047 χ^2/NDF:153.2/2

+ sign -4.459+/-0.033 χ^2/NDF: 270334.3/19

All: -3.967+/-0.024 χ^2/NDF: 611644.2/40

- sign -3.405+/-0.035 χ^2/NDF: 340831.6/20



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -59.688+/-1.439 χ^2/NDF:24.9/3

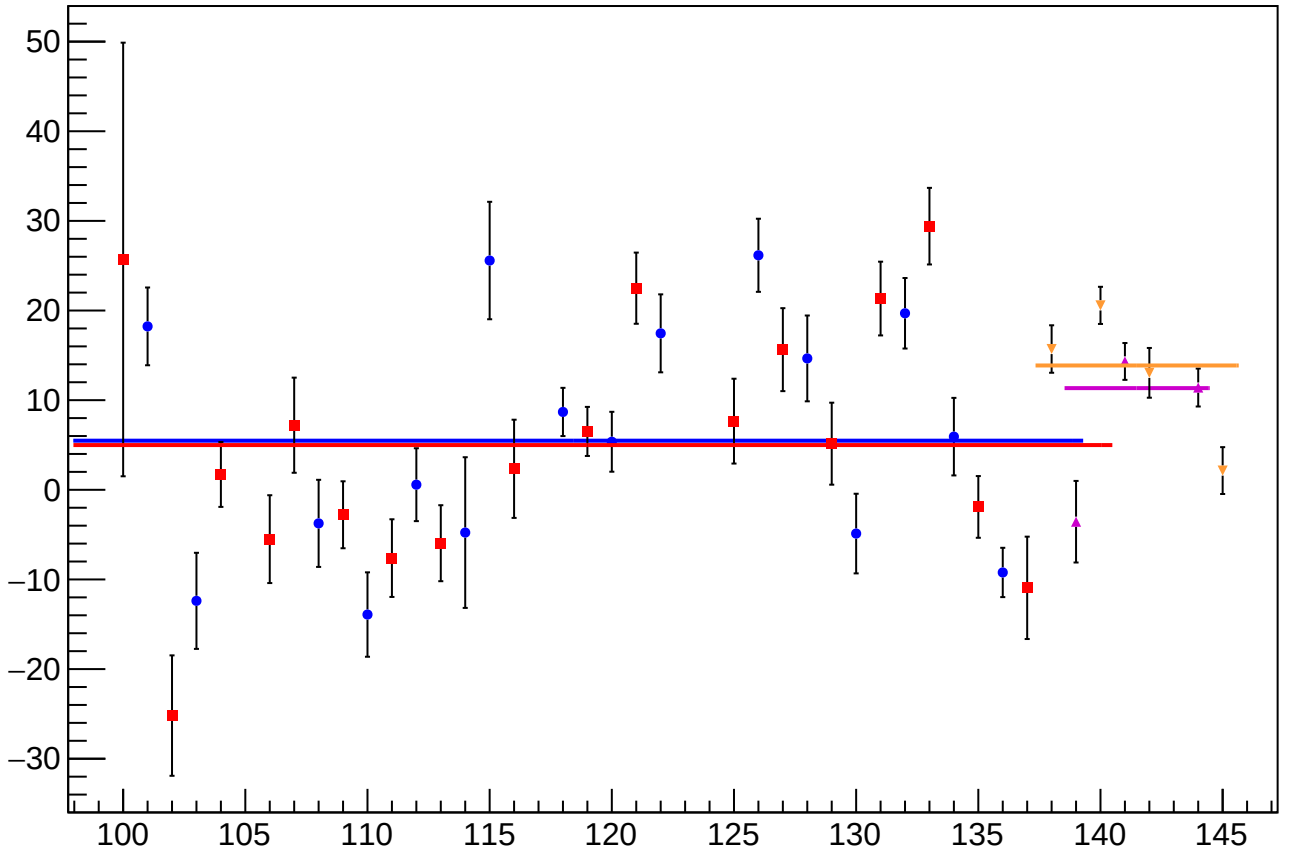
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -47.585+/-1.568 χ^2/NDF:92.0/2

\+ sign 16.296+/-0.802 χ^2/NDF: 5573.4/19

All: 20.143+/-0.563 χ^2/NDF: 10013.3/40

\- sign 23.877+/-0.790 χ^2/NDF: 4394.6/20



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 13.870+/-1.239 χ^2/NDF:31.2/3

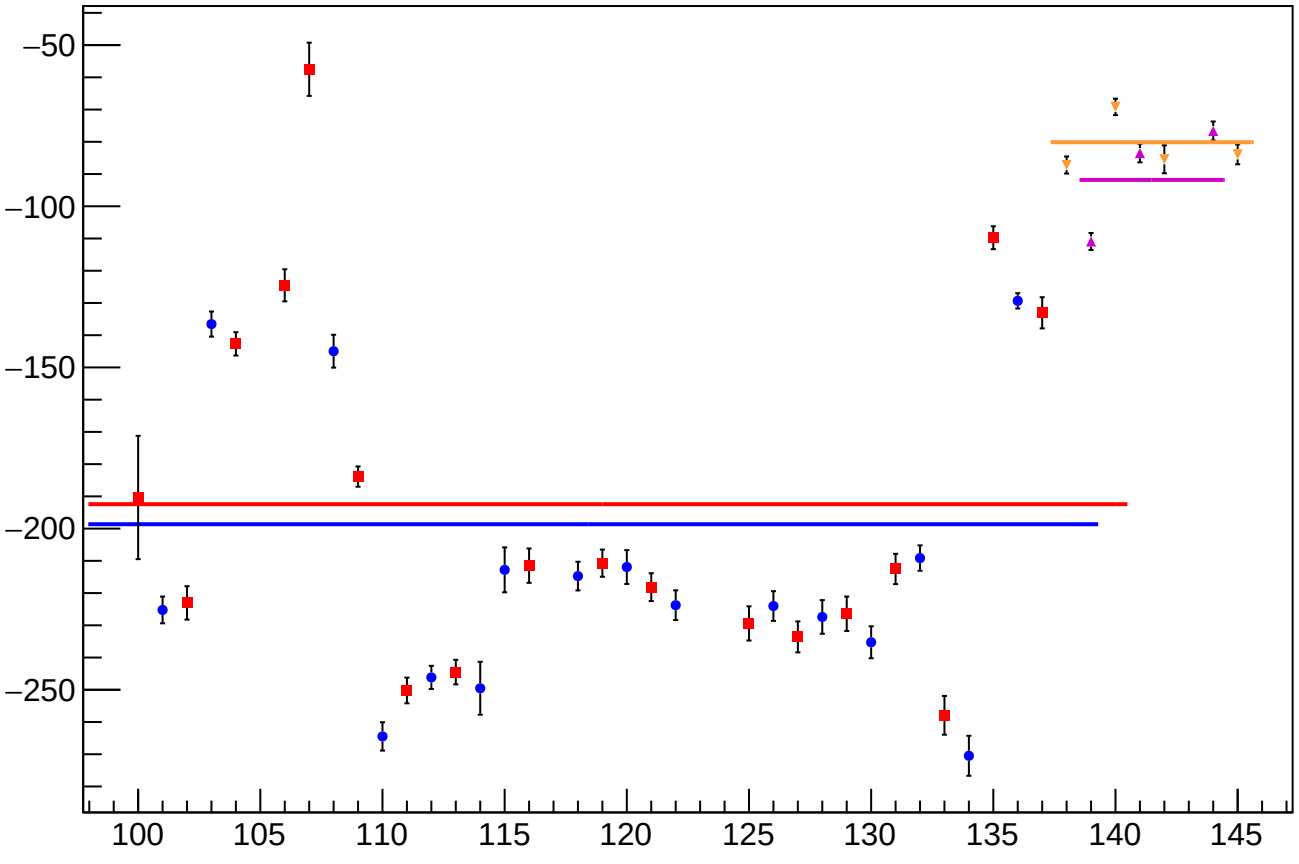
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 11.344+/-1.402 χ^2/NDF:12.8/2

+ sign 8.876+/-0.788 χ^2/NDF: 196.6/19

All: 8.076+/-0.570 χ^2/NDF: 356.8/40

- sign 7.197+/-0.826 χ^2/NDF: 158.0/20



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -80.133+/-1.484 χ^2/NDF:28.5/3

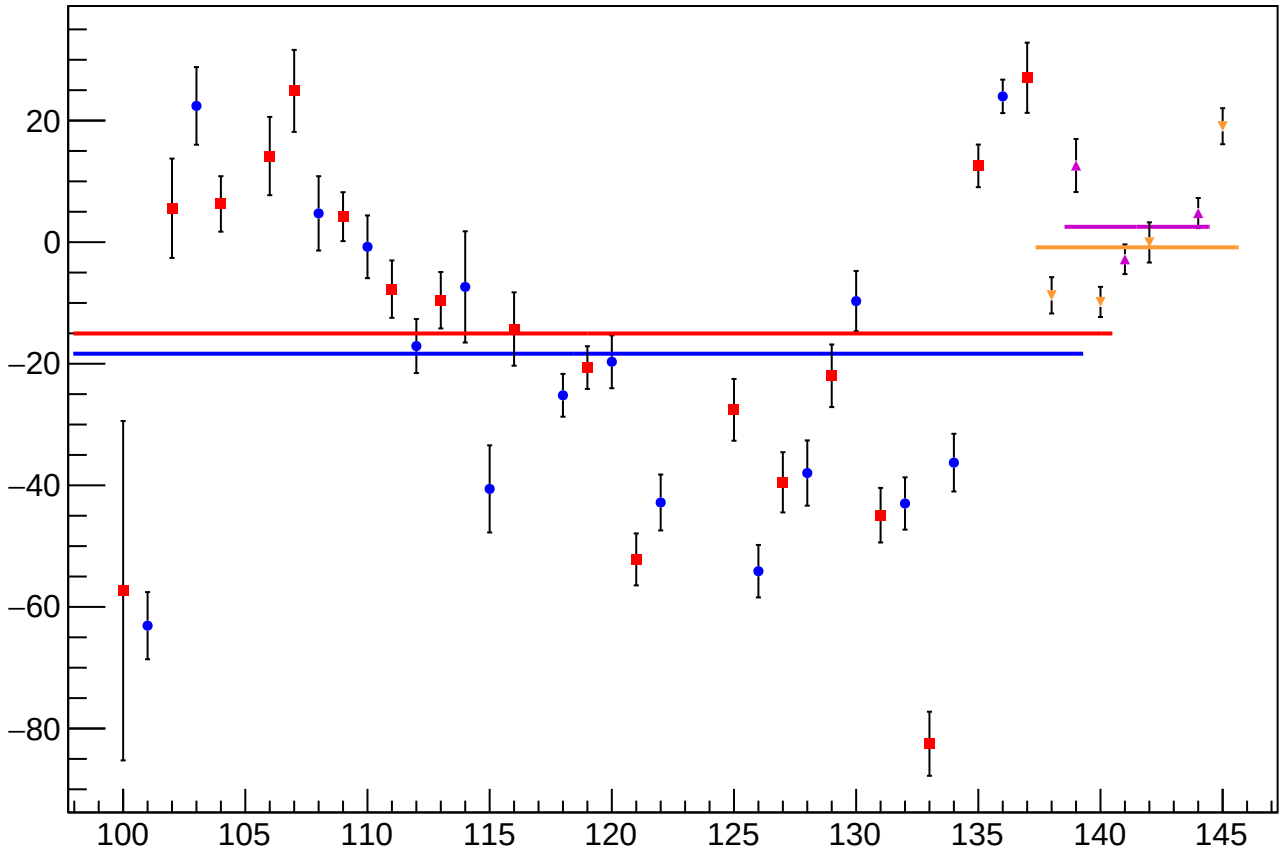
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -91.815+/-1.620 χ^2/NDF:87.6/2

\+ sign -157.425+/-0.875 χ^2/NDF: 6192.3/19

All: -159.402+/-0.627 χ^2/NDF: 11099.5/40

\- sign -161.487+/-0.899 χ^2/NDF: 4896.7/20



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -0.846+/-1.443 χ^2/NDF:65.4/3

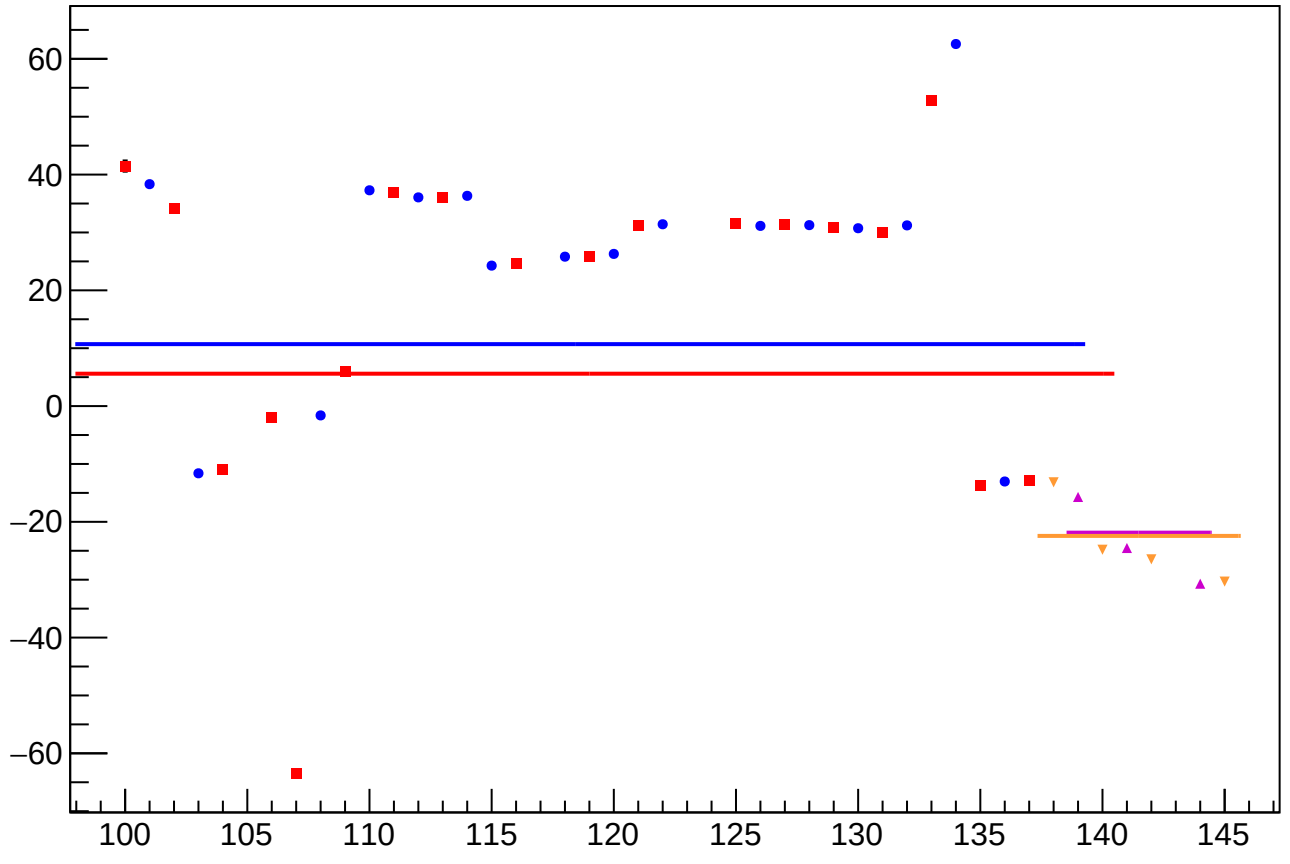
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 2.525+/-1.614 χ^2/NDF:11.0/2

+ sign -11.485+/-0.904 χ^2/NDF: 698.7/19

All: -10.311+/-0.653 χ^2/NDF: 1337.5/40

- sign -9.034+/-0.943 χ^2/NDF: 635.2/20



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

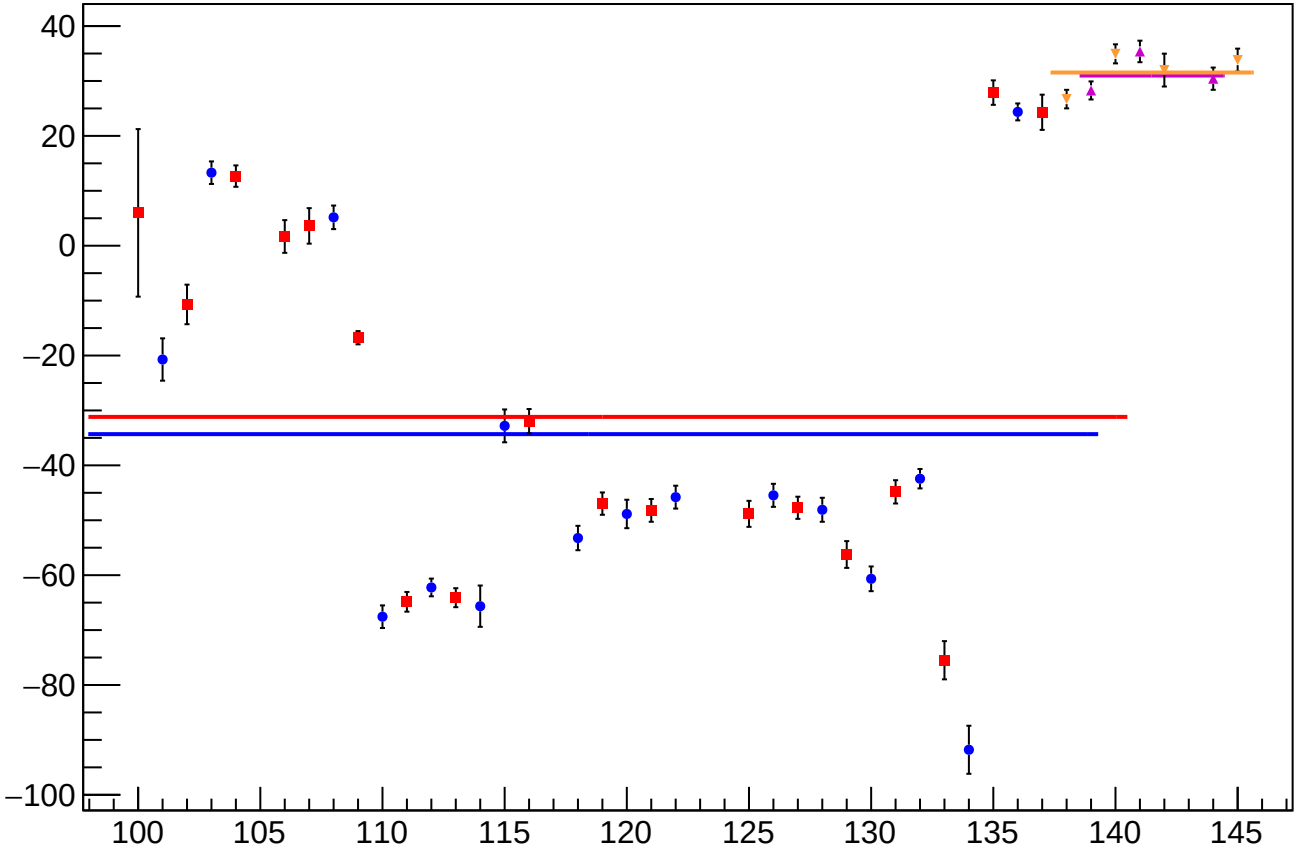
Left In: -21.870+/-0.064 χ^2/NDF:9304.9/2

+ sign -6.389+/-0.044 χ^2/NDF: 321054.2/19

All: -7.196+/-0.031 χ^2/NDF: 578647.0/40

- sign -8.053+/-0.045 χ^2/NDF: 256892.6/20

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 31.542+/-0.989 χ^2/NDF:13.2/3

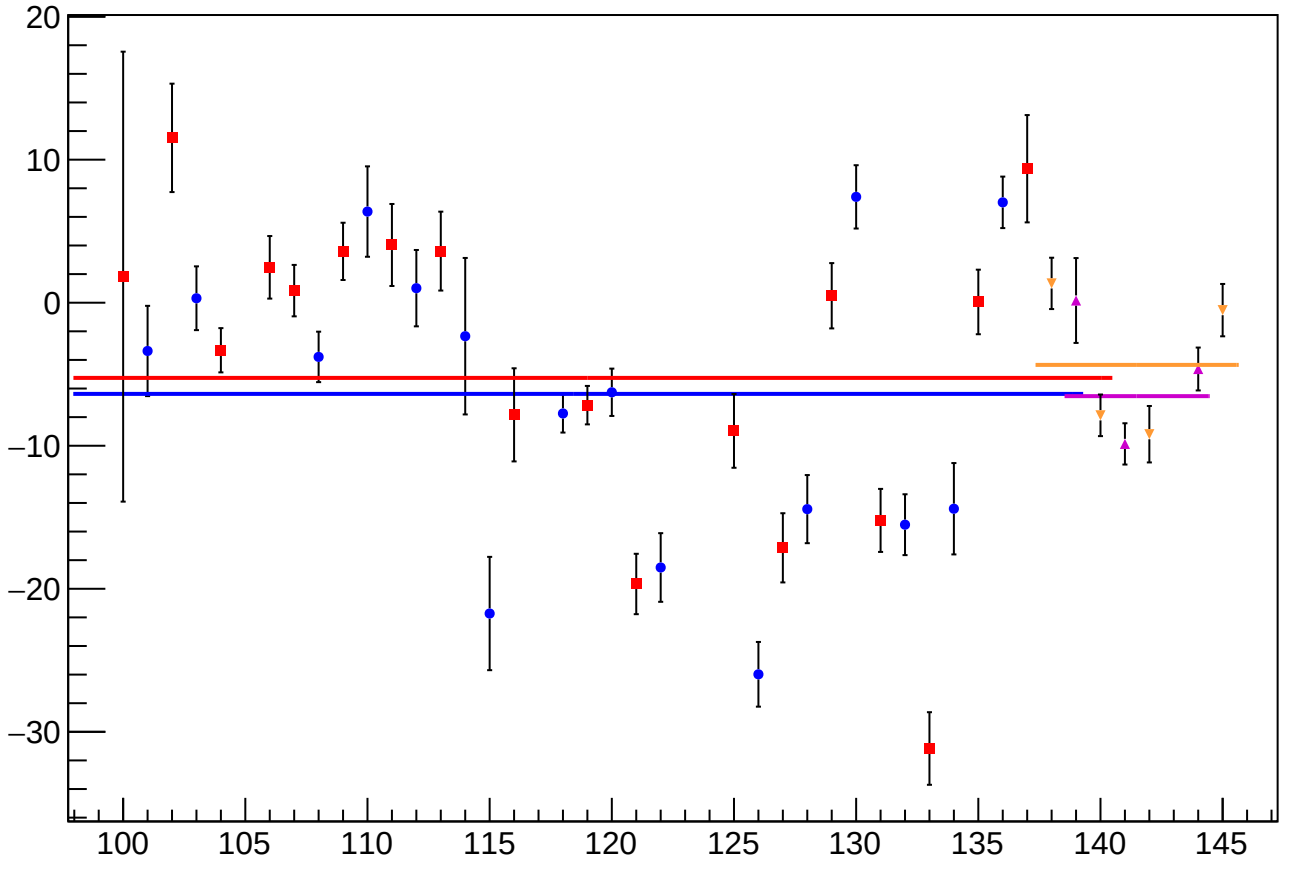
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 30.991+/-1.070 χ^2/NDF:7.8/2

+ sign -18.855+/-0.479 χ^2/NDF: 6906.6/19

All: -19.168+/-0.334 χ^2/NDF: 12853.0/40

- sign -19.463+/-0.465 χ^2/NDF: 5945.6/20



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

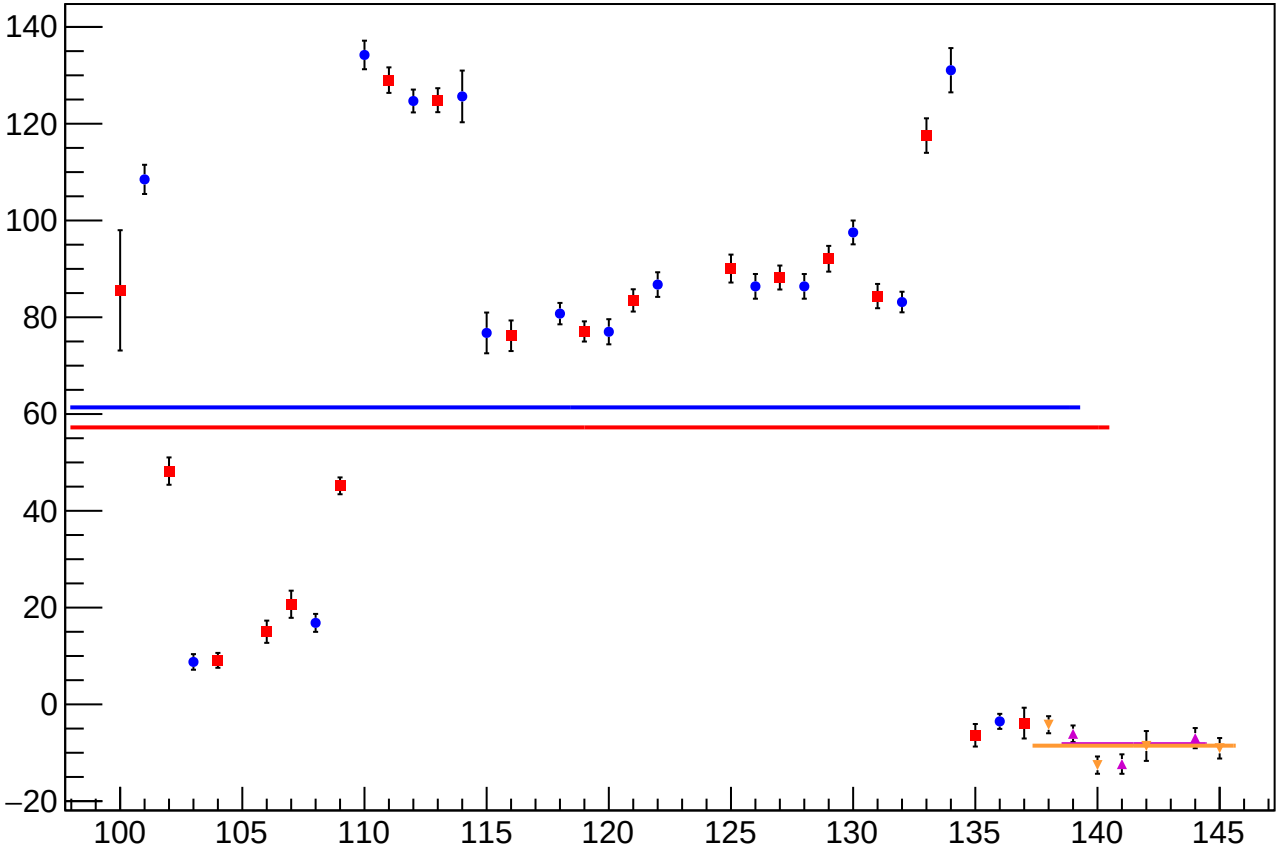
Left In: -6.532+/-0.981 χ^2/NDF:12.0/2

+ sign -5.785+/-0.466 χ^2/NDF: 313.9/19

All: -5.667+/-0.330 χ^2/NDF: 640.3/40

- sign -5.547+/-0.468 χ^2/NDF: 326.3/20

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

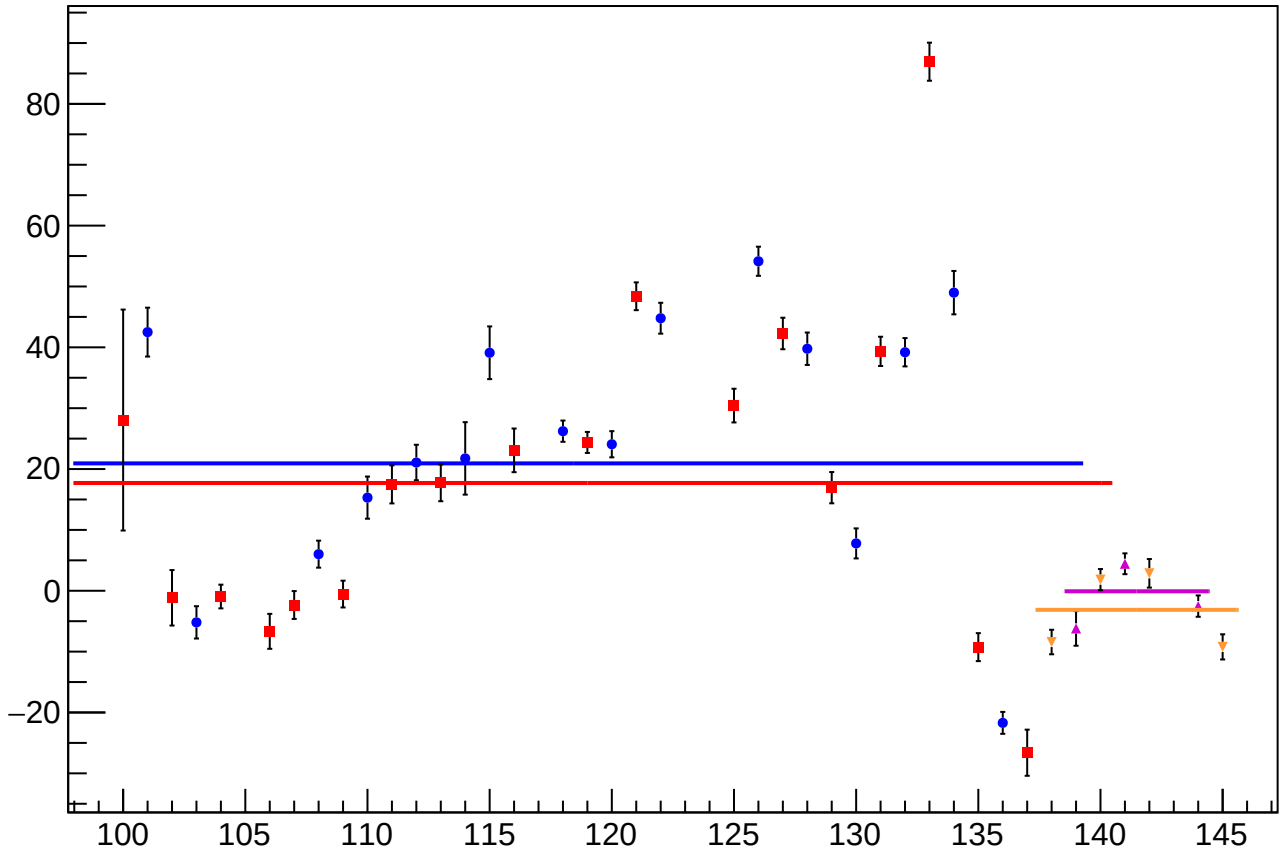
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.222+/-1.107 χ^2/NDF:6.1/2

\+ sign 43.643+/-0.513 χ^2/NDF: 9588.1/19

All: 43.384+/-0.363 χ^2/NDF: 17607.0/40

\- sign 43.125+/-0.514 χ^2/NDF: 8018.4/20



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -3.134+/-1.004 χ^2/NDF:30.2/3

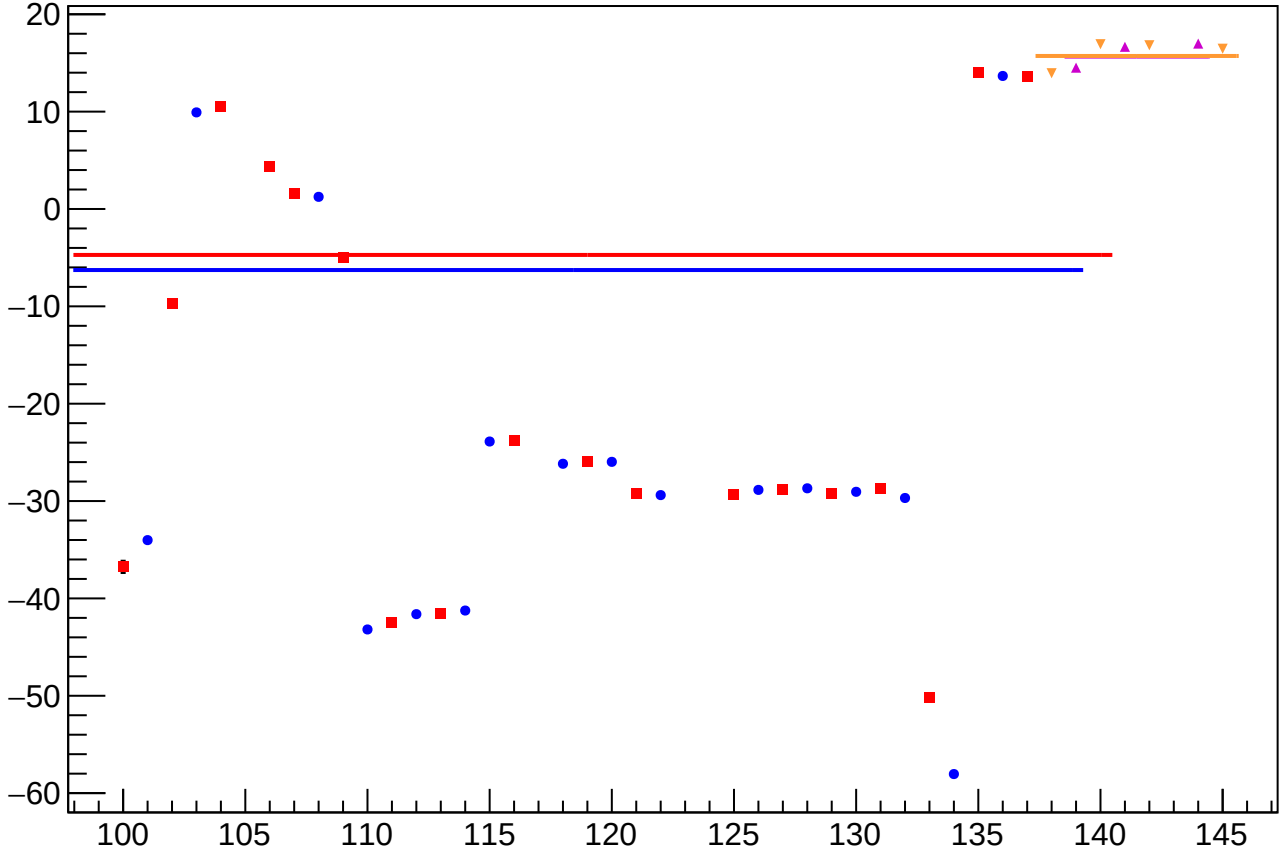
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -0.084+/-1.125 χ^2/NDF:13.5/2

\+ sign 13.978+/-0.540 χ^2/NDF: 1683.9/19

All: 13.782+/-0.382 χ^2/NDF: 3371.9/40

\- sign 13.584+/-0.542 χ^2/NDF: 1687.7/20



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.717+/-0.042 χ^2/NDF:1043.5/3

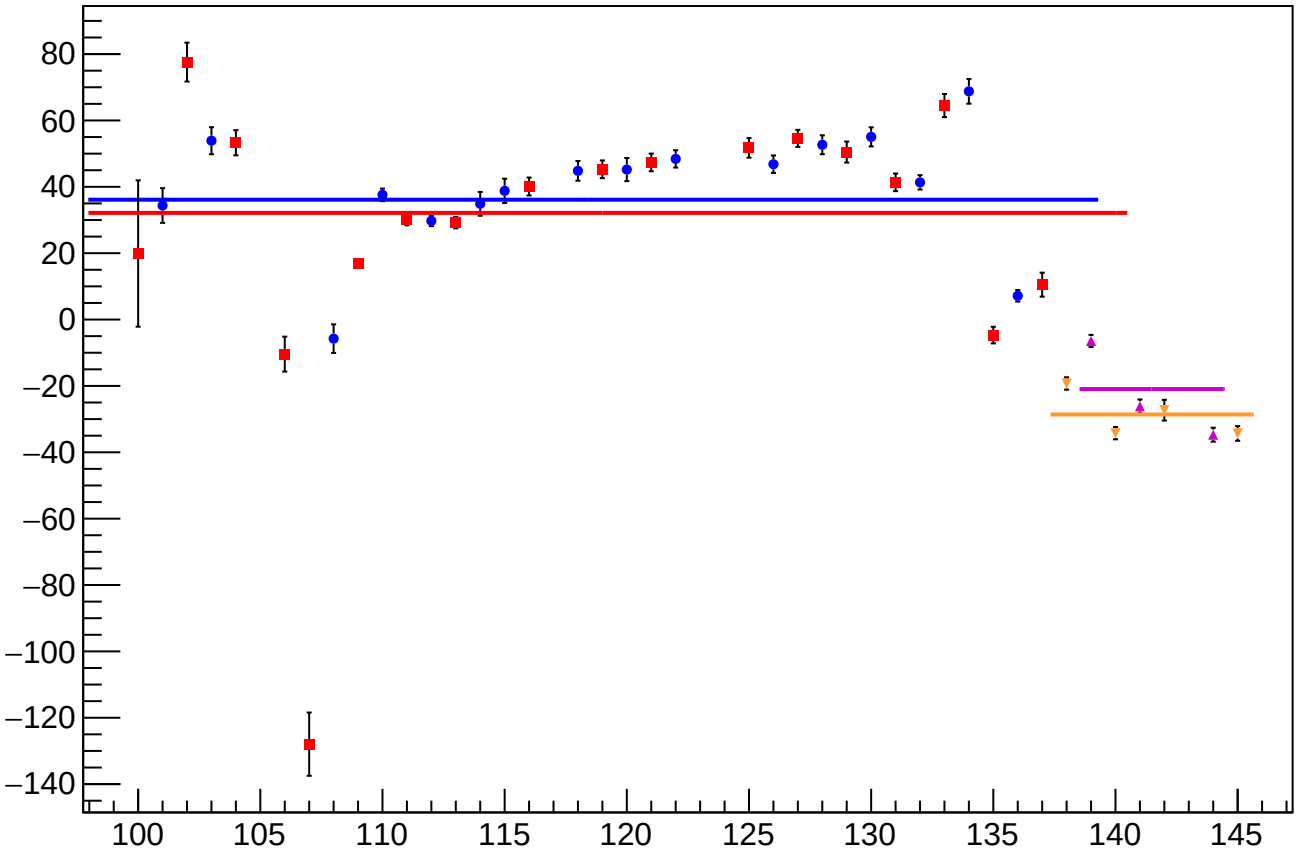
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.653+/-0.043 χ^2/NDF:700.9/2

+ sign 2.326+/-0.026 χ^2/NDF: 580802.9/19

All: 2.627+/-0.019 χ^2/NDF: 1025948.8/40

- sign 2.940+/-0.027 χ^2/NDF: 444874.5/20



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -28.607+/-1.063 χ^2/NDF:41.1/3

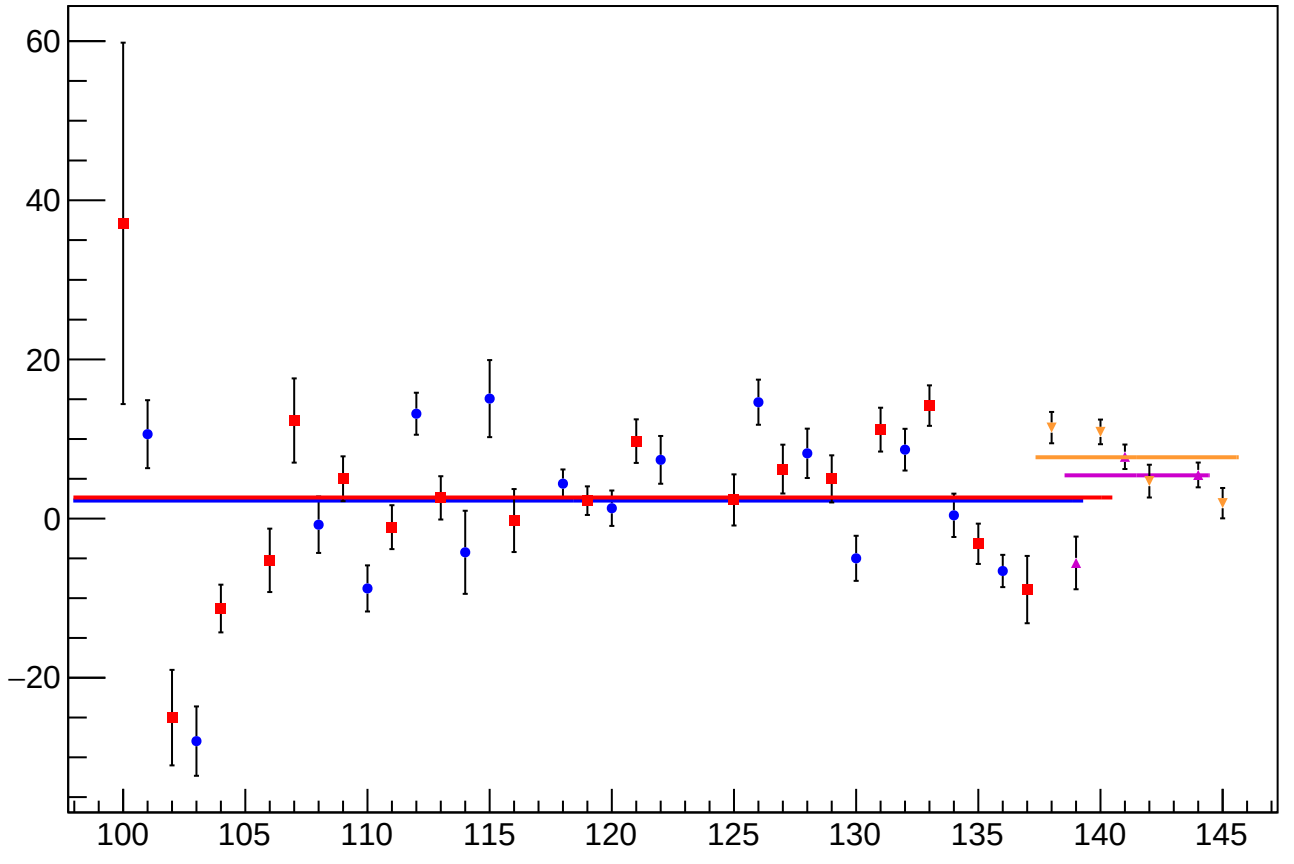
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -20.936+/-1.154 χ^2/NDF:111.4/2

+ sign 18.245+/-0.558 χ^2/NDF: 3348.6/19

All: 19.100+/-0.393 χ^2/NDF: 6209.4/40

- sign 19.939+/-0.553 χ^2/NDF: 2856.1/20



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 7.707+/-0.918 χ^2/NDF:19.1/3

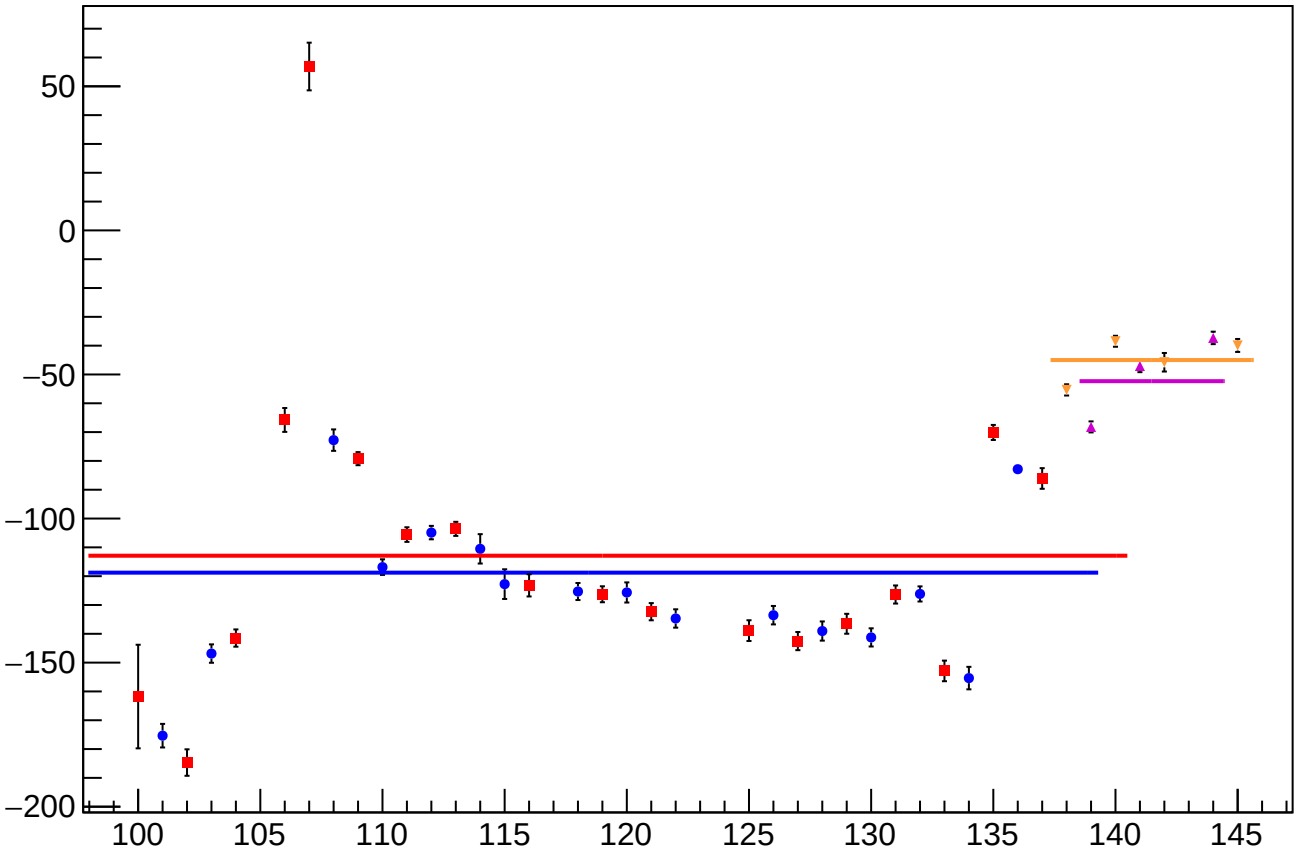
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 5.436+/-1.039 χ^2/NDF:13.4/2

+ sign 4.270+/-0.557 χ^2/NDF: 193.3/19

All: 3.928+/-0.405 χ^2/NDF: 319.5/40

- sign 3.547+/-0.589 χ^2/NDF: 125.5/20



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -44.996+/-1.096 χ^2/NDF:45.1/3

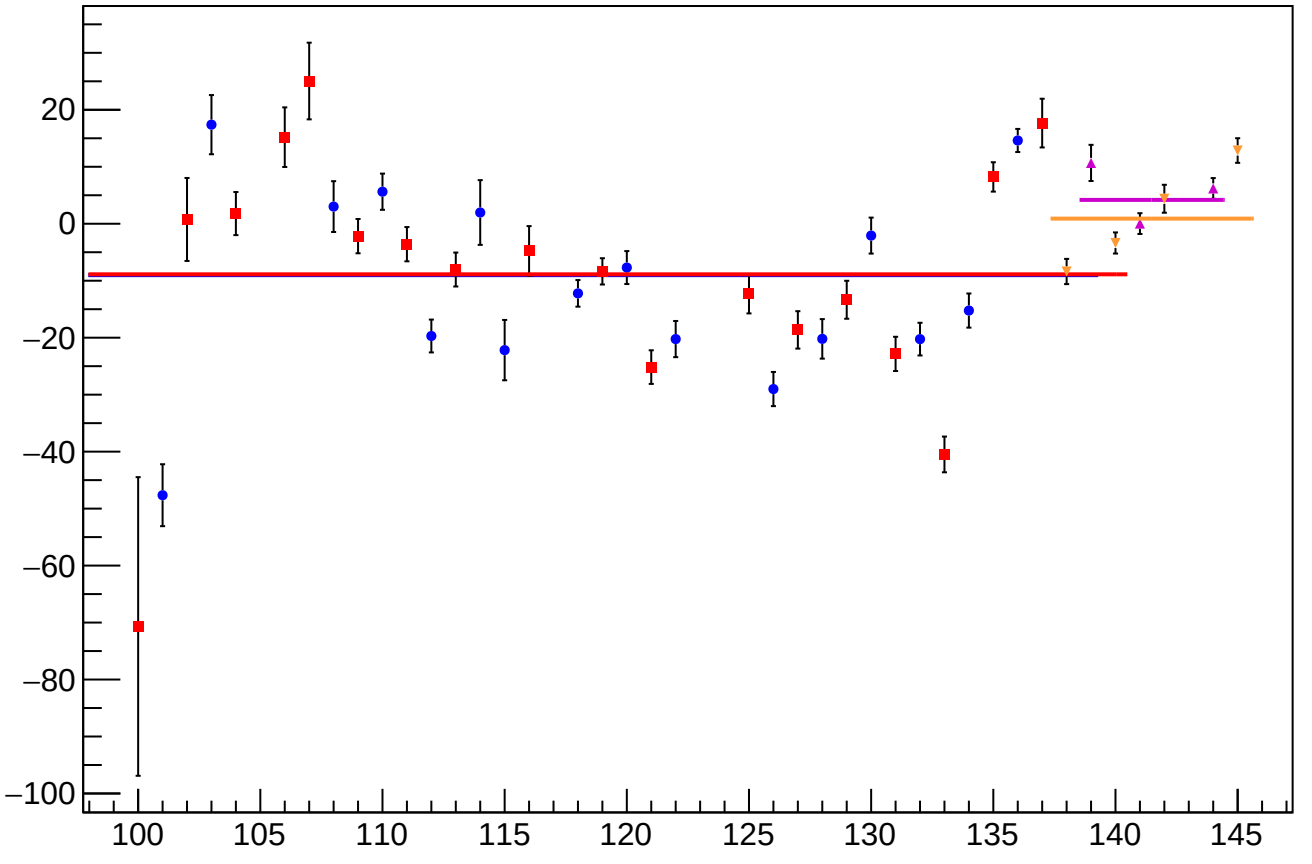
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -52.322+/-1.192 χ^2/NDF:123.0/2

\+ sign -94.958+/-0.623 χ^2/NDF: 4232.9/19

All: -95.156+/-0.447 χ^2/NDF: 8053.1/40

\- sign -95.366+/-0.641 χ^2/NDF: 3820.0/20



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 0.898+/-1.069 χ^2/NDF:55.5/3

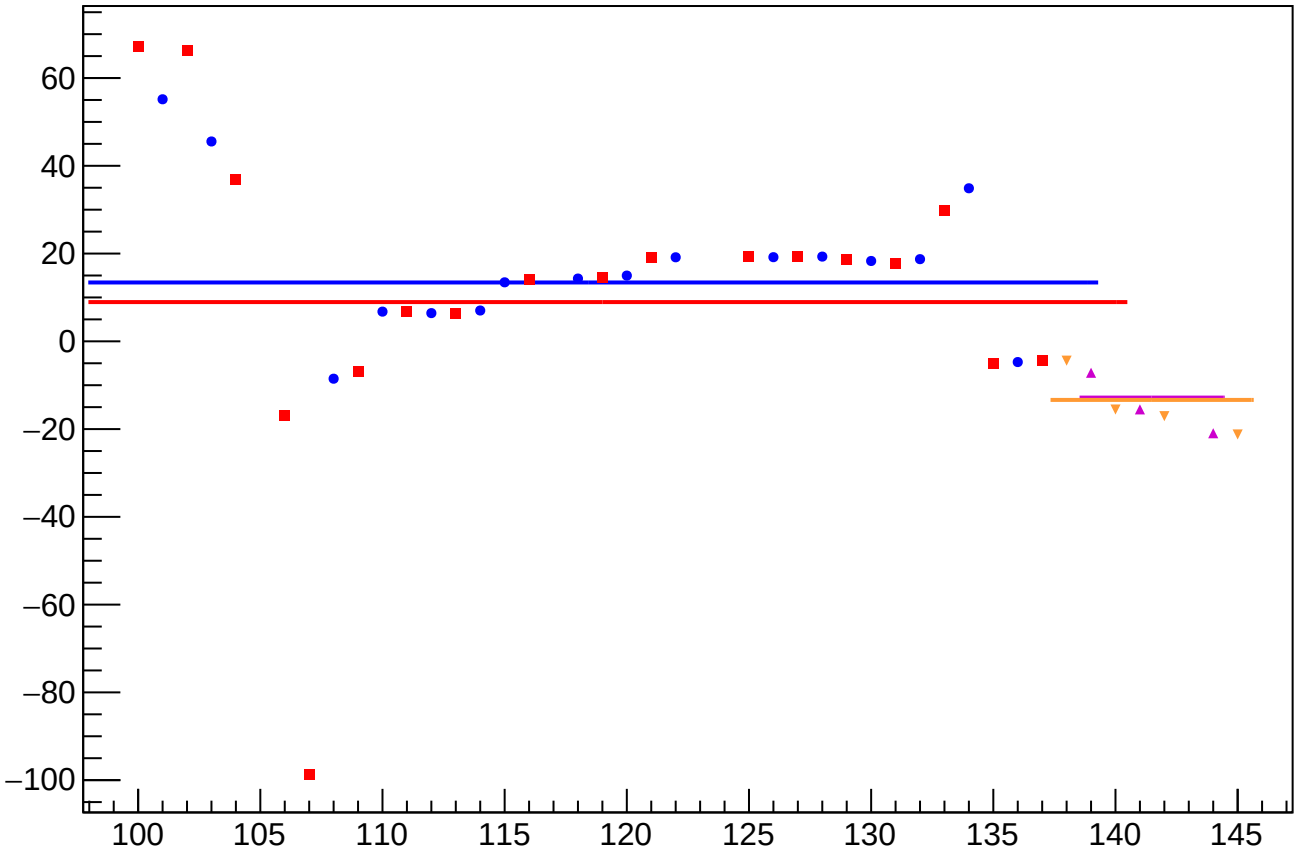
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 4.187+/-1.194 χ^2/NDF:10.6/2

\+ sign -5.485+/-0.638 χ^2/NDF: 468.9/19

All: -5.140+/-0.462 χ^2/NDF: 880.8/40

\- sign -4.759+/-0.671 χ^2/NDF: 411.2/20



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -13.351+/-0.045 χ^2/NDF:22924.6/3

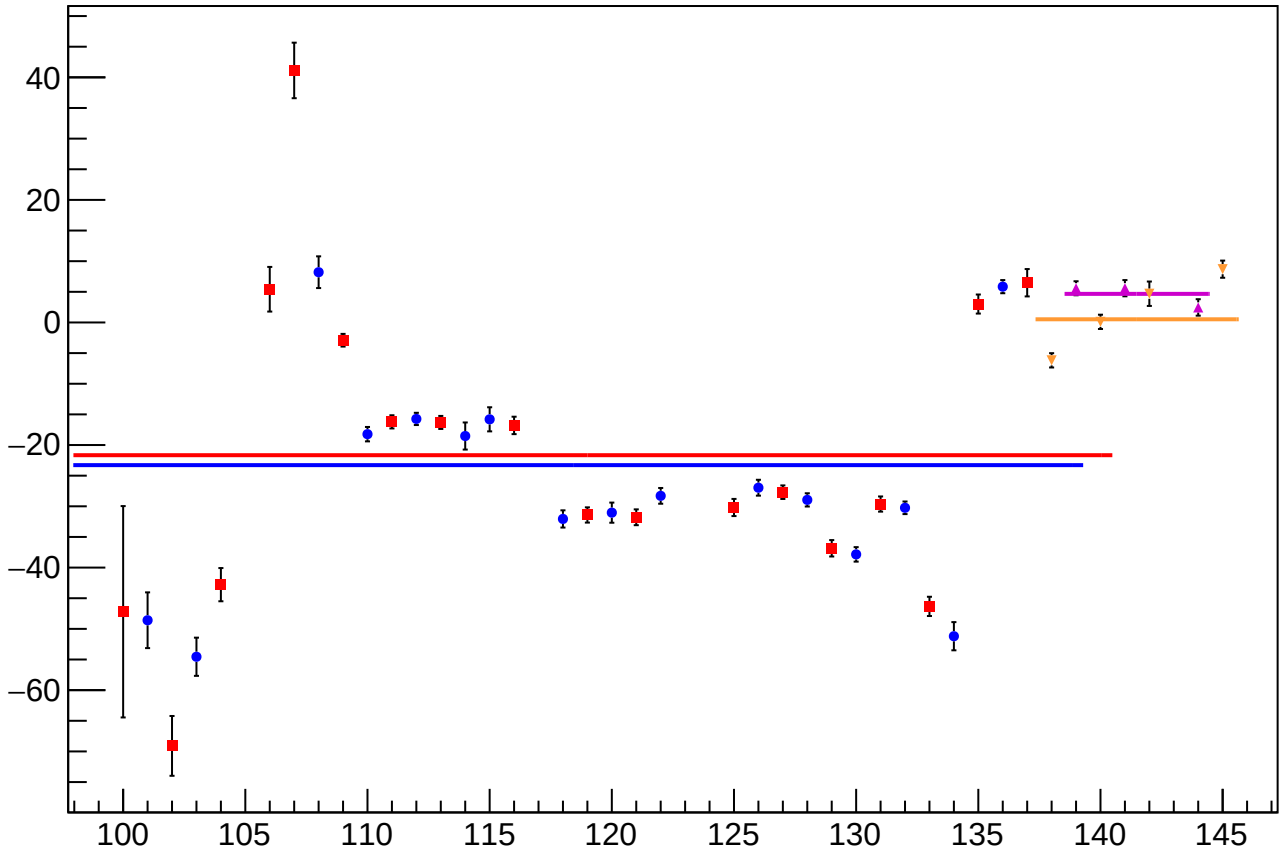
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -12.824+/-0.047 χ^2/NDF:14857.3/2

+ sign -0.072+/-0.032 χ^2/NDF: 382635.4/19

All: -1.003+/-0.023 χ^2/NDF: 796652.7/40

- sign -2.024+/-0.033 χ^2/NDF: 412231.7/20



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 0.518+/-0.669 χ^2/NDF:71.6/3

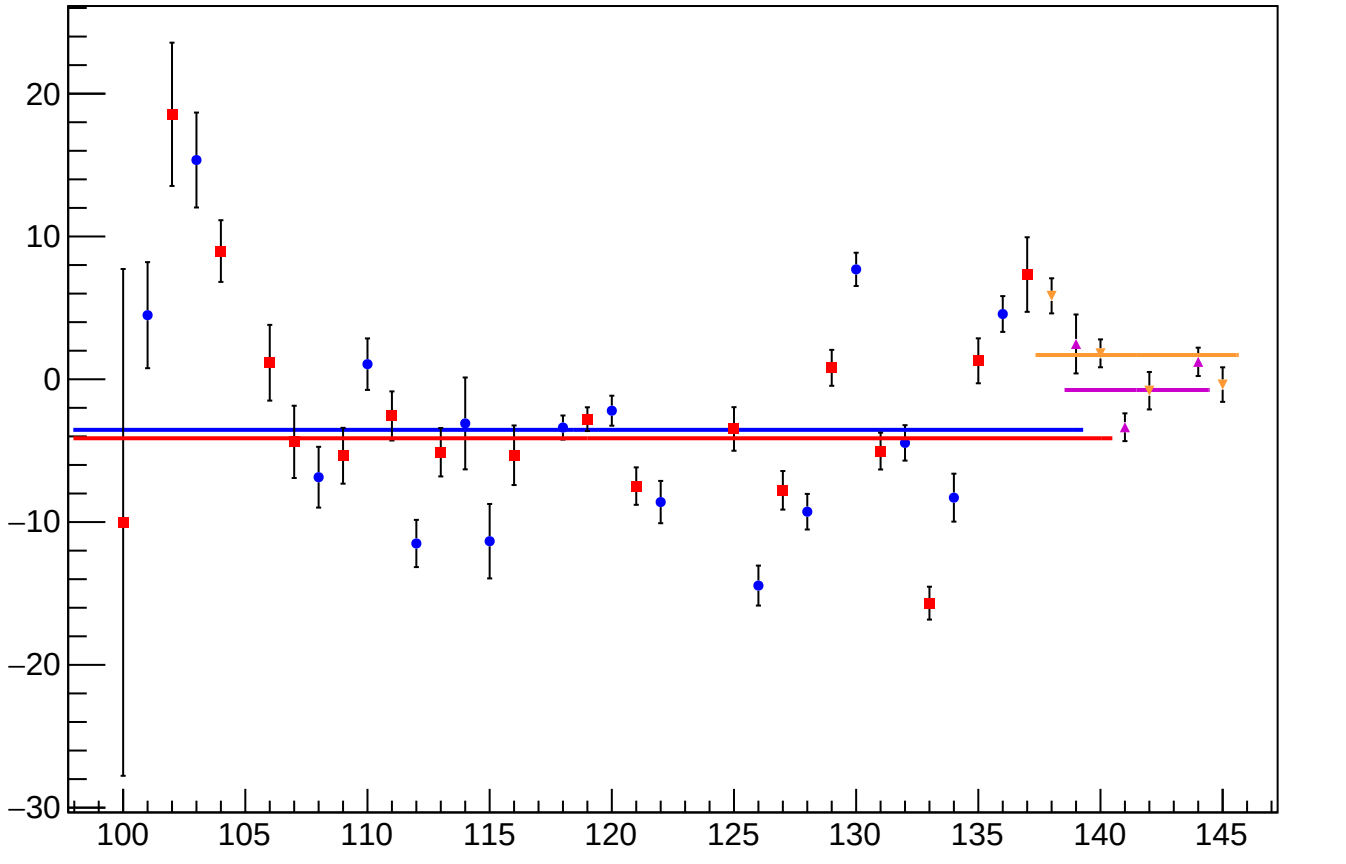
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 4.667+/-0.727 χ^2/NDF:3.8/2

+ sign -18.162+/-0.310 χ^2/NDF: 2631.7/19

All: -17.473+/-0.221 χ^2/NDF: 5525.9/40

- sign -16.771+/-0.313 χ^2/NDF: 2884.3/20



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

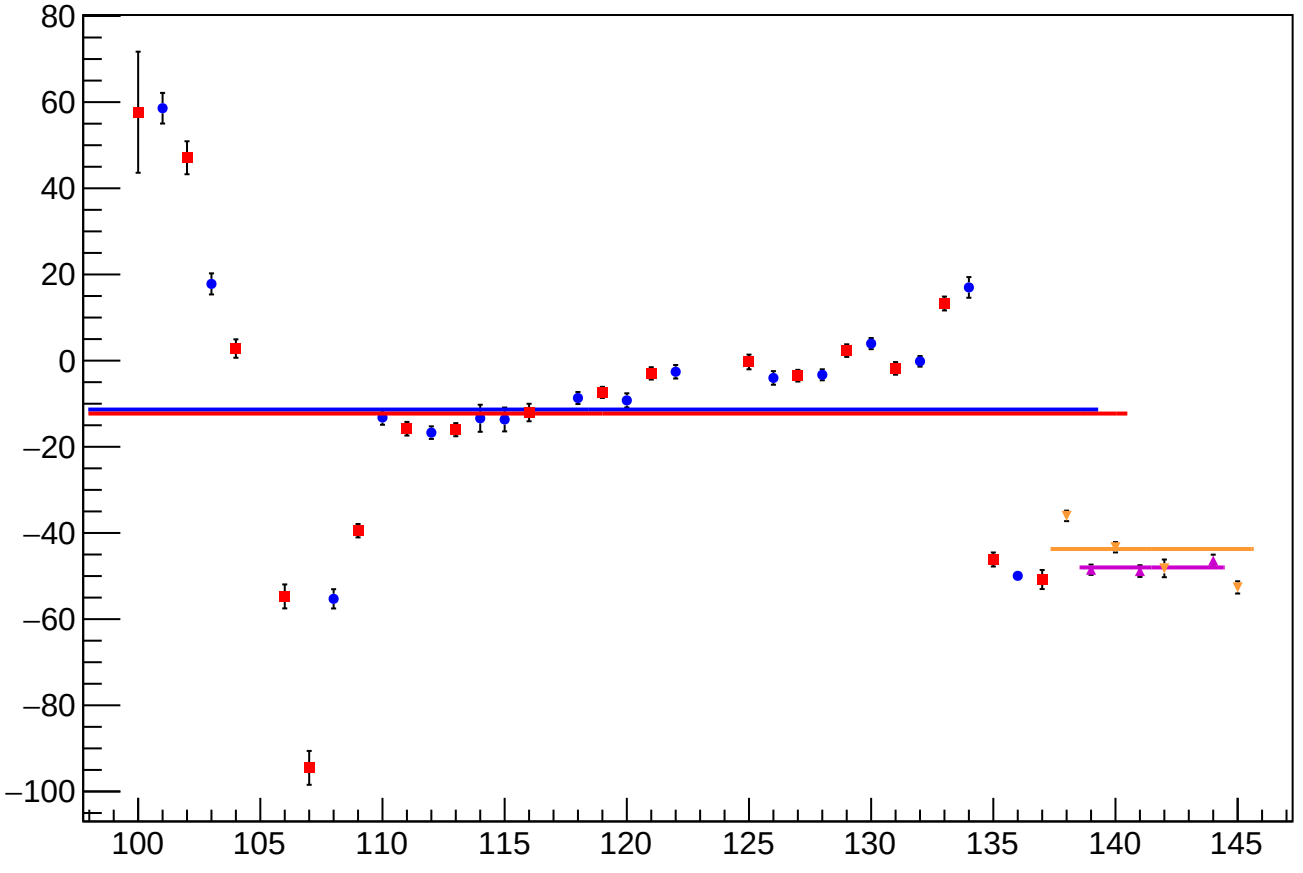
Left In: -0.750+/-0.659 χ^2/NDF:13.6/2

+ sign -2.068+/-0.307 χ^2/NDF: 393.4/19

All: -2.662+/-0.223 χ^2/NDF: 662.3/40

- sign -3.319+/-0.323 χ^2/NDF: 261.0/20

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -43.722+/-0.690 χ^2/NDF:83.9/3

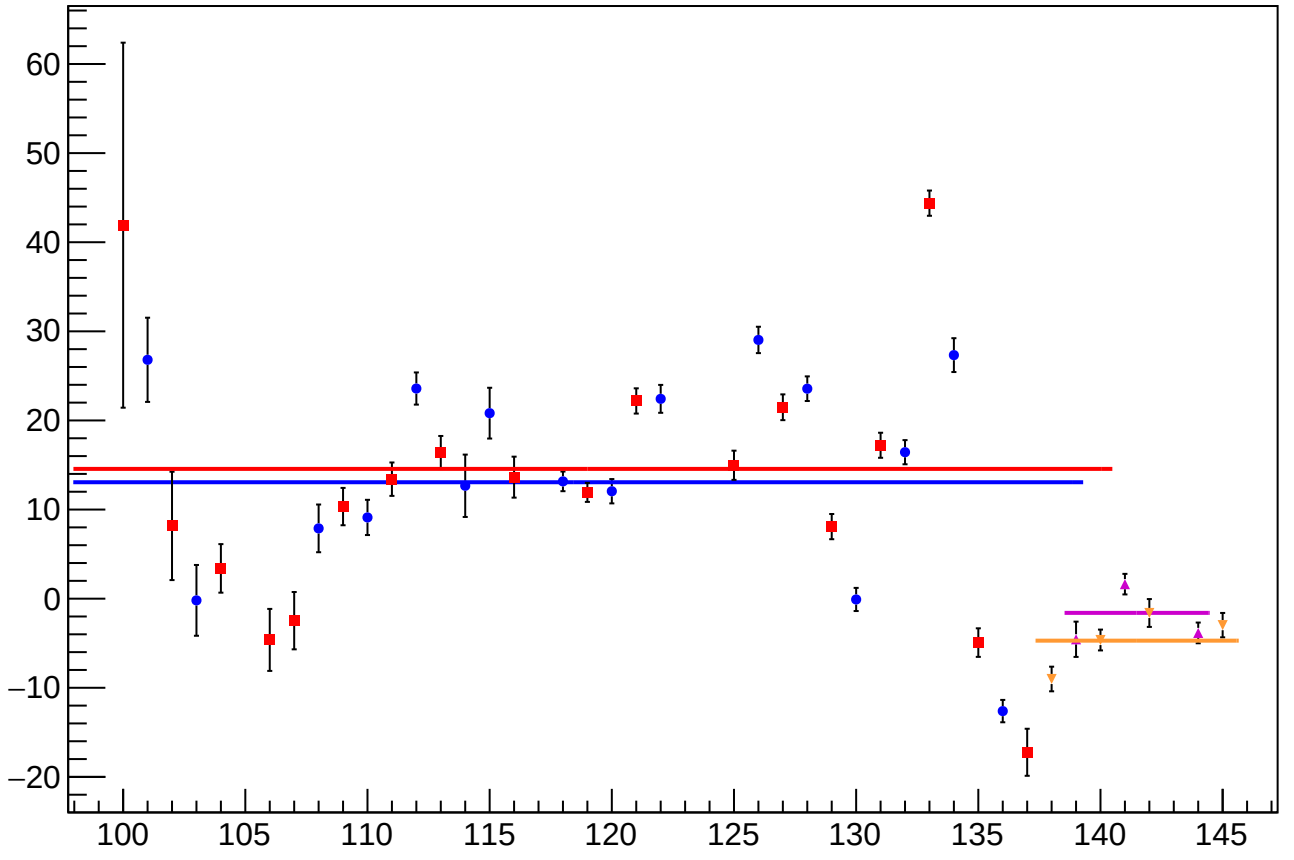
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.001+/-0.752 χ^2/NDF:1.9/2

+ sign -19.663+/-0.350 χ^2/NDF: 4379.5/19

All: -20.100+/-0.252 χ^2/NDF: 8709.3/40

- sign -20.568+/-0.362 χ^2/NDF: 4326.6/20



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.711+/-0.674 χ^2/NDF:15.2/3

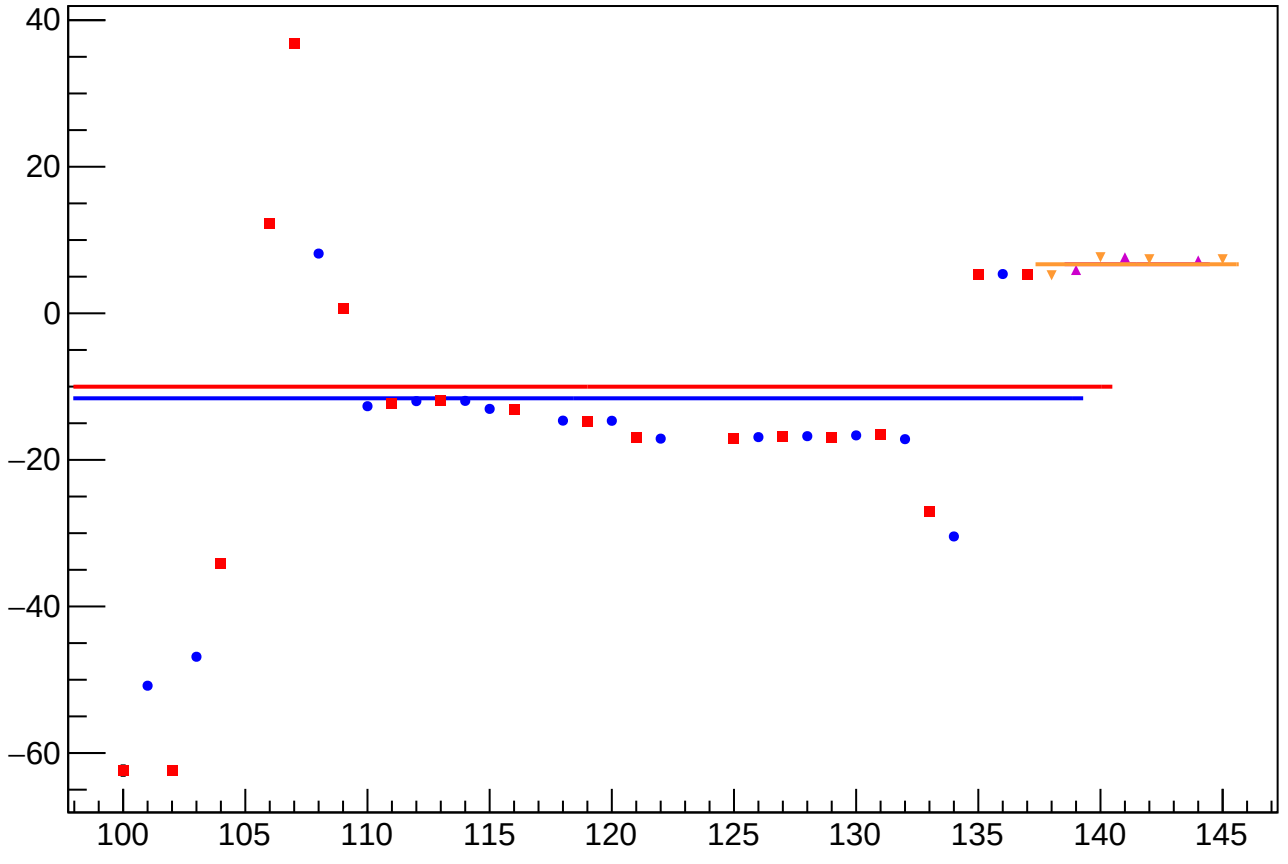
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.594+/-0.757 χ^2/NDF:13.8/2

+ sign 8.189+/-0.353 χ^2/NDF: 1382.7/19

All: 9.401+/-0.255 χ^2/NDF: 2671.9/40

- sign 10.722+/-0.369 χ^2/NDF: 1264.6/20



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

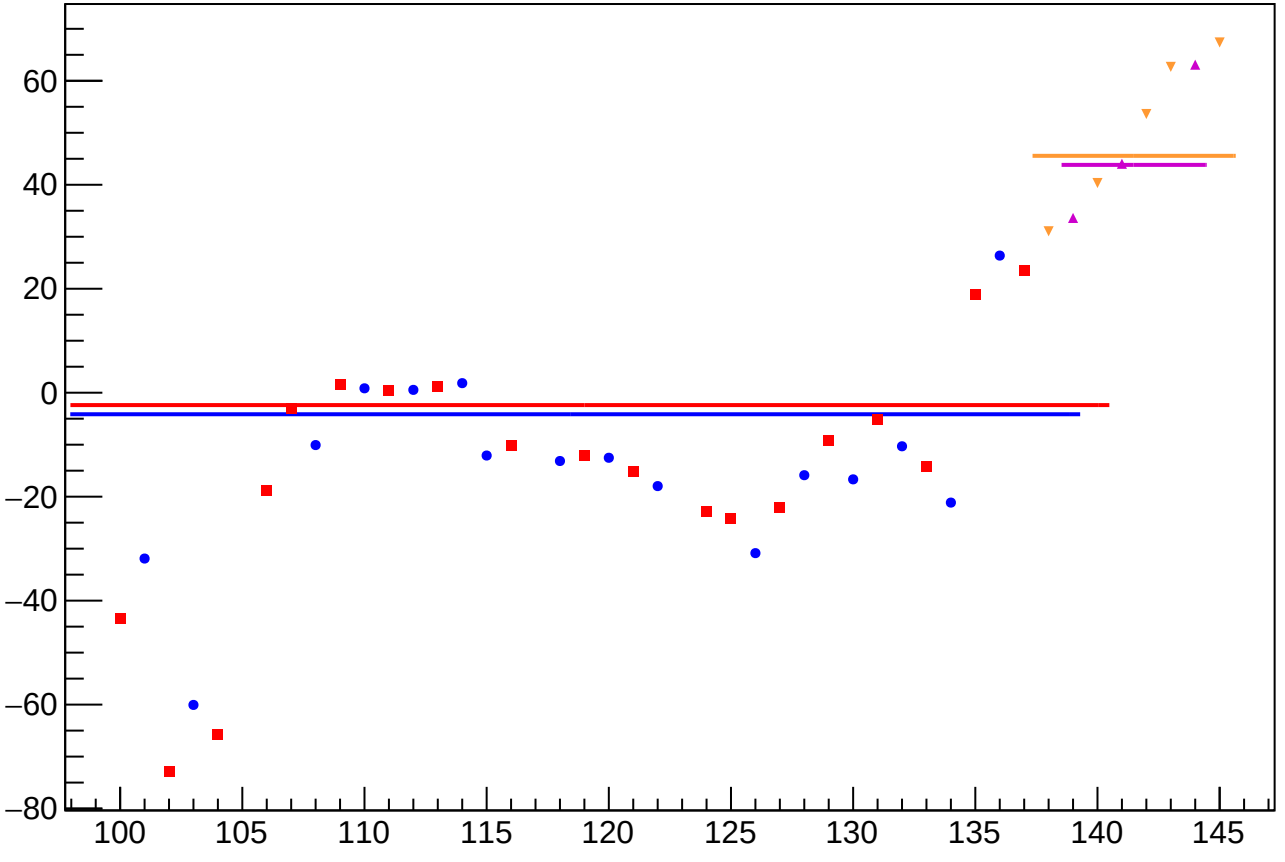
Left In: 6.708+/-0.030 χ^2/NDF:699.3/2

+ sign -3.116+/-0.019 χ^2/NDF: 586088.6/19

All: -2.719+/-0.014 χ^2/NDF: 1155476.1/40

- sign -2.285+/-0.020 χ^2/NDF: 568498.1/20

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

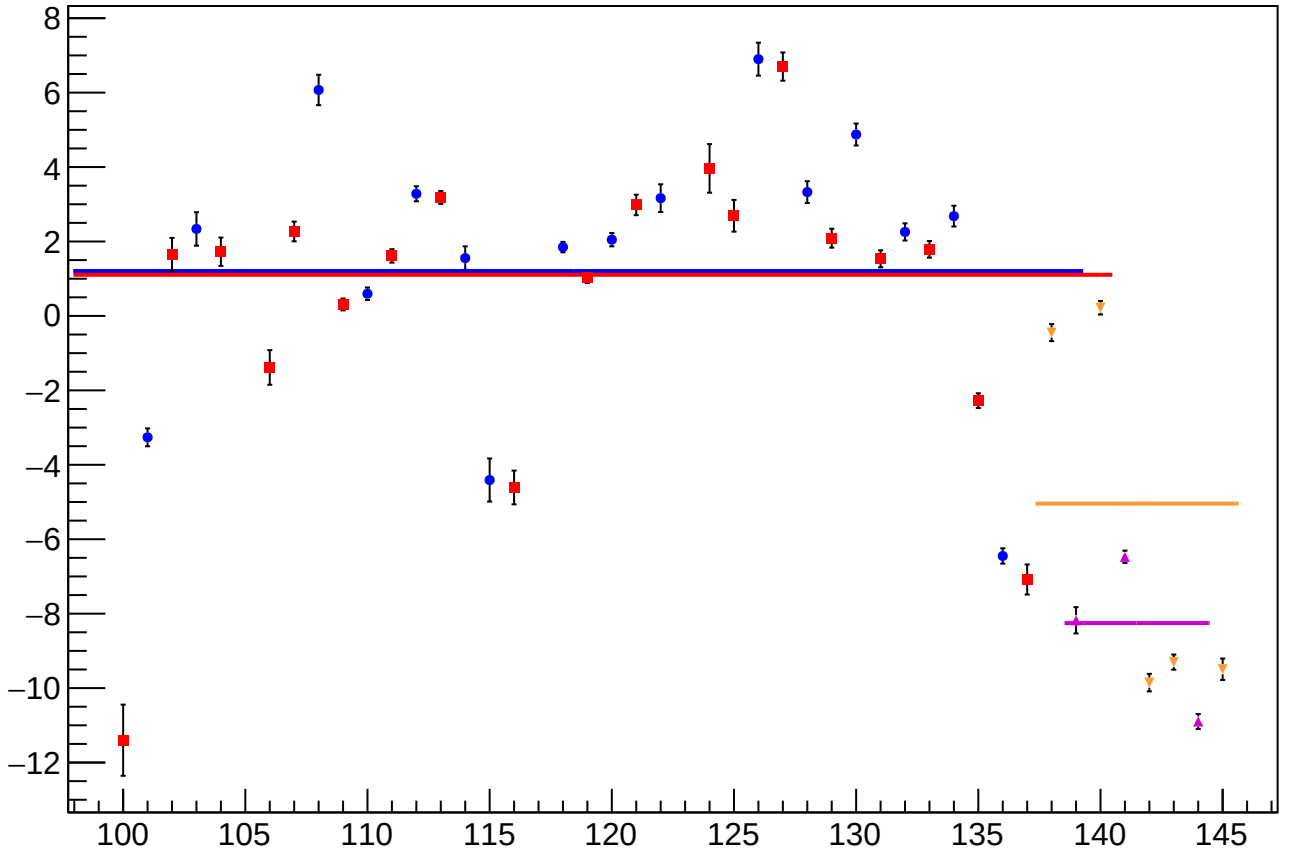
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 43.825+/-0.130 χ^2/NDF:7690.3/2

+ sign 4.860+/-0.049 χ^2/NDF: 238942.8/20

All: 3.684+/-0.033 χ^2/NDF: 440355.7/42

- sign 2.776+/-0.043 χ^2/NDF: 200412.3/21



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

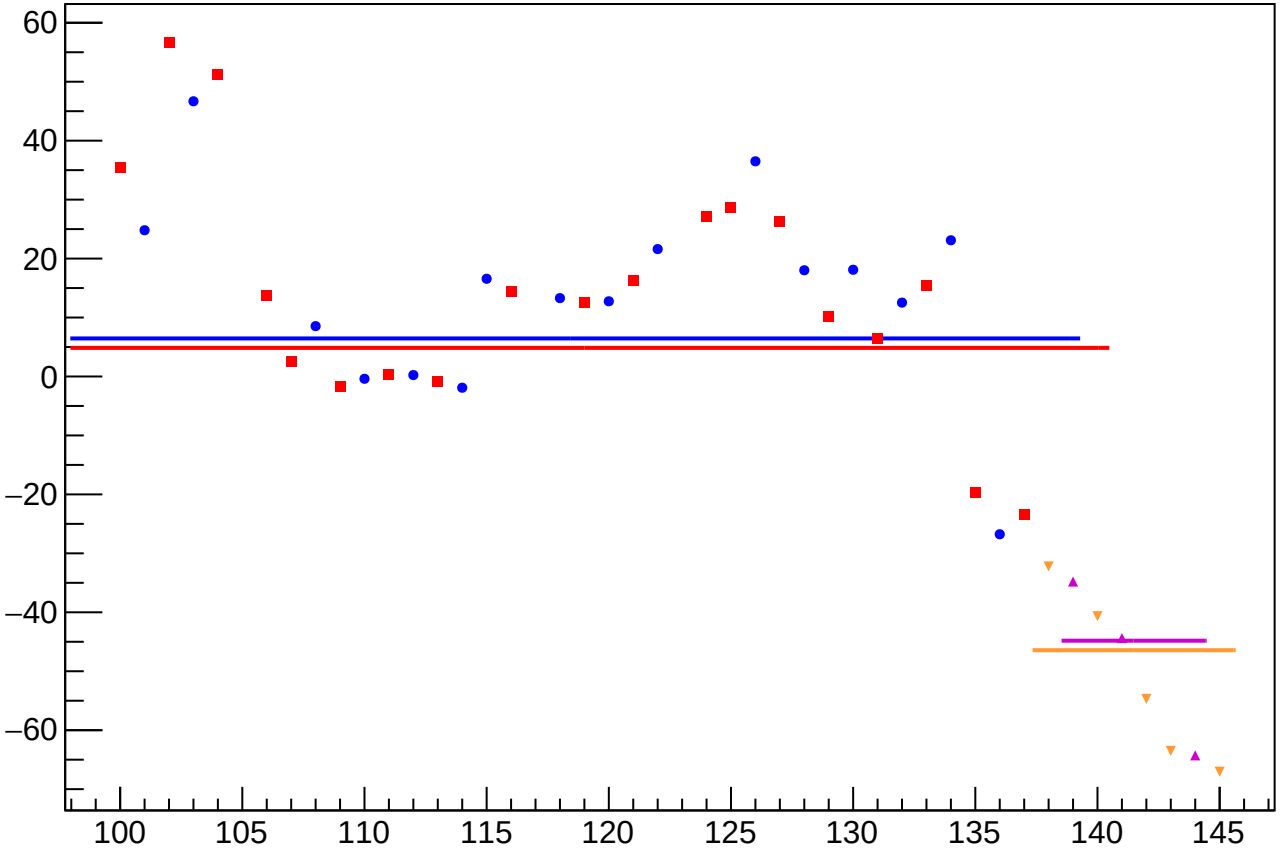
Left In: -8.253+/-0.120 χ^2/NDF:288.4/2

+ sign -0.503+/-0.052 χ^2/NDF: 7830.0/20

All: -0.562+/-0.036 χ^2/NDF: 14644.4/42

- sign -0.621+/-0.052 χ^2/NDF: 6811.8/21

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

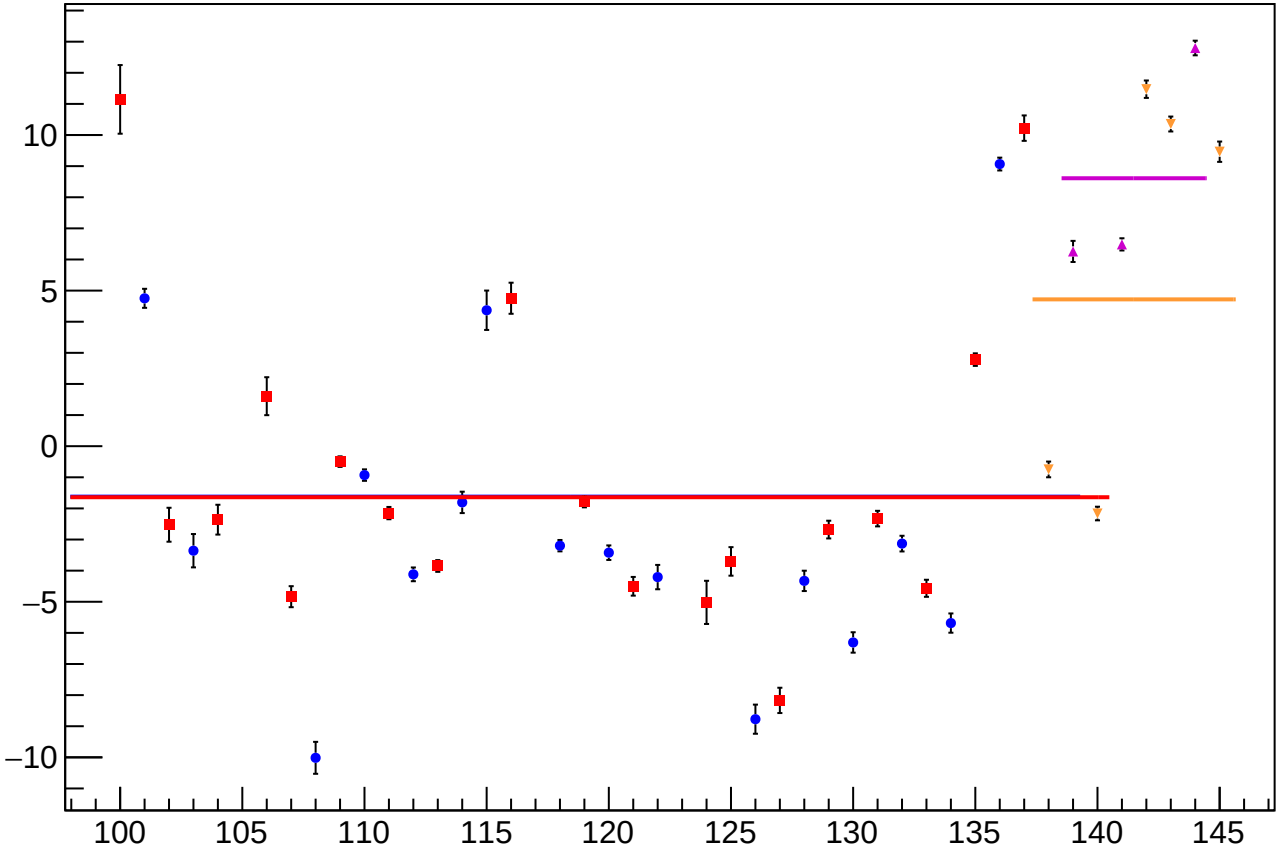
Left In: -44.817+/-0.135 χ^2/NDF:7206.8/2

\+ sign -5.574+/-0.057 χ^2/NDF: 232801.3/20

All: -4.317+/-0.039 χ^2/NDF: 430432.4/42

\- sign -3.195+/-0.054 χ^2/NDF: 196720.6/21

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

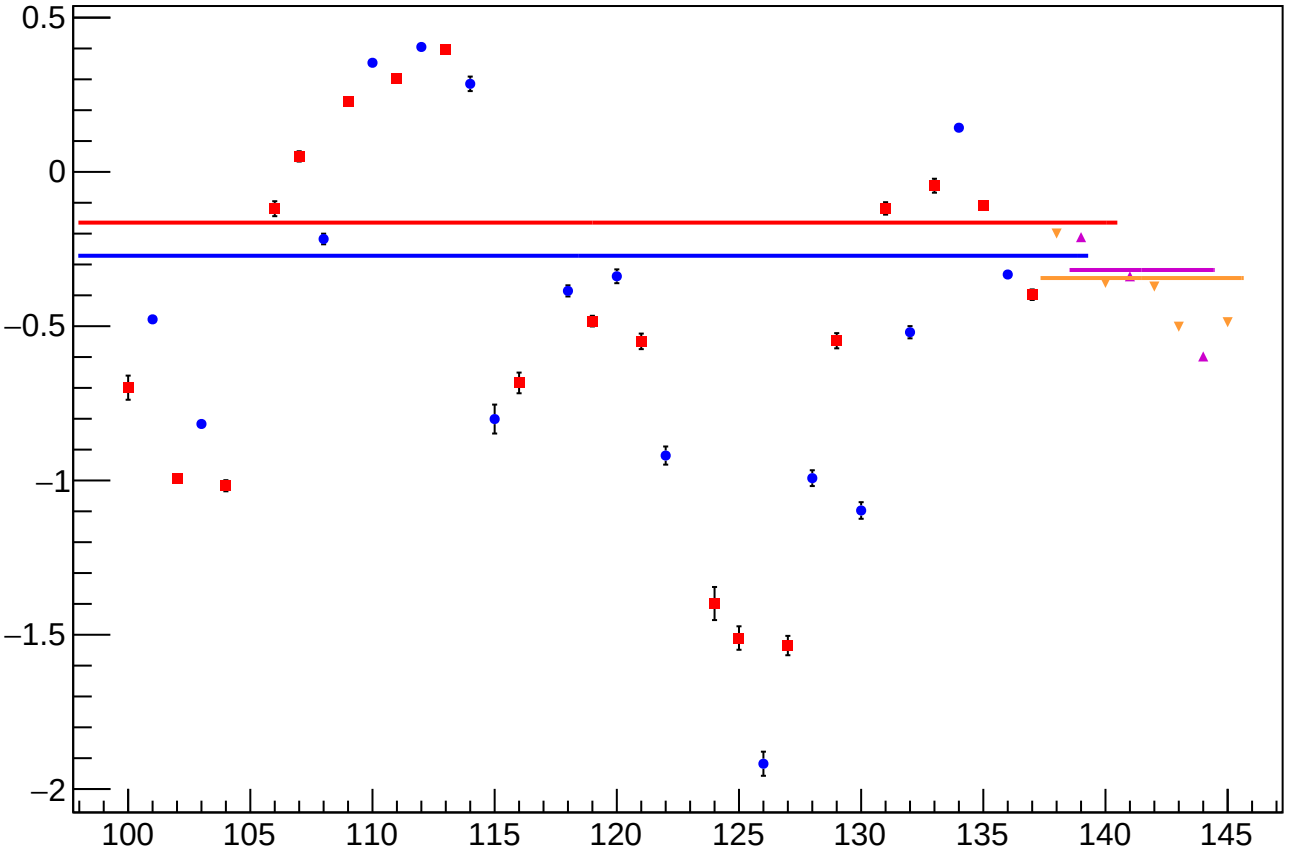
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 8.611+/-0.138 χ^2/NDF:481.2/2

+ sign 0.084+/-0.059 χ^2/NDF: 9559.1/20

All: 0.145+/-0.042 χ^2/NDF: 17040.8/42

- sign 0.204+/-0.058 χ^2/NDF: 7479.6/21



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

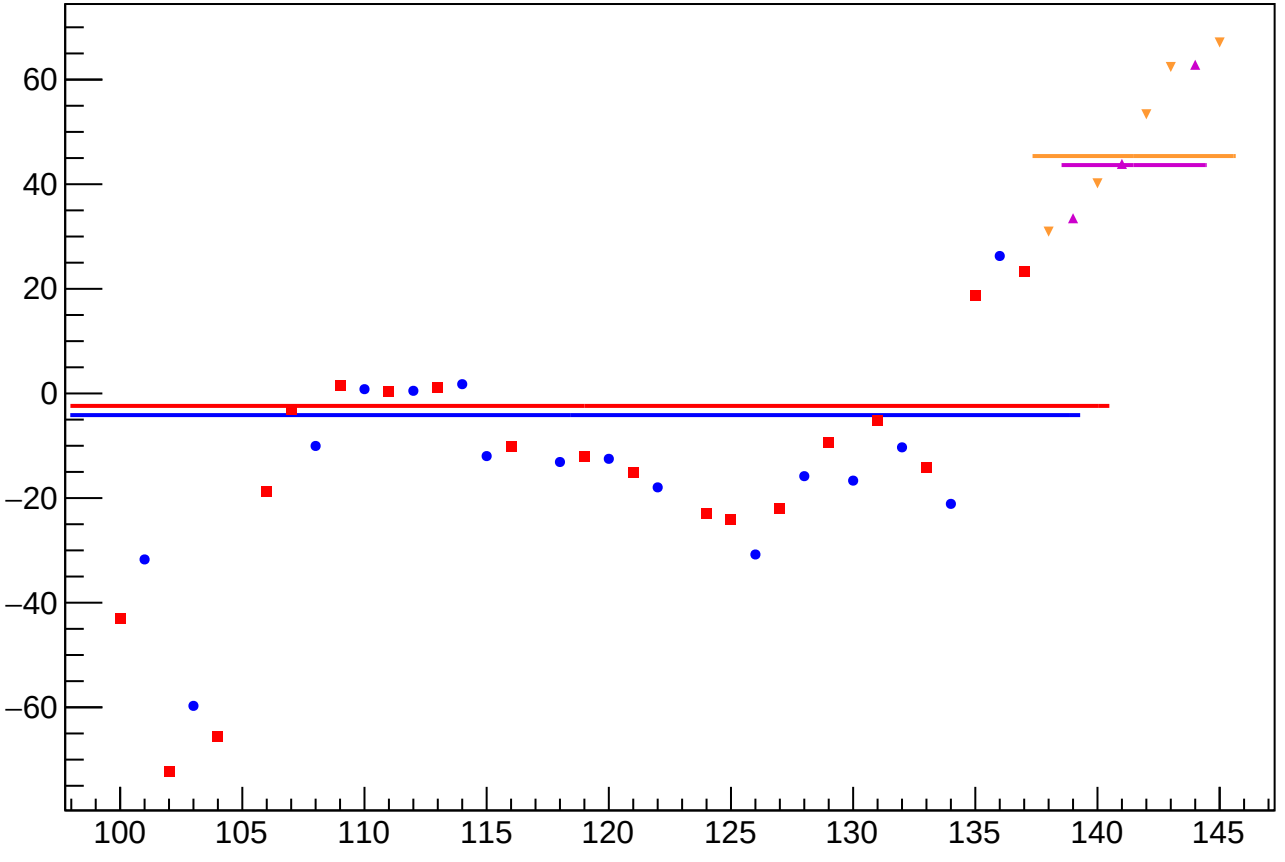
Left In: -0.318+/-0.005 χ^2/NDF:714.7/2

+ sign -0.302+/-0.003 χ^2/NDF: 12776.5/20

All: -0.259+/-0.002 χ^2/NDF: 29922.0/42

- sign -0.217+/-0.003 χ^2/NDF: 16775.6/21

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

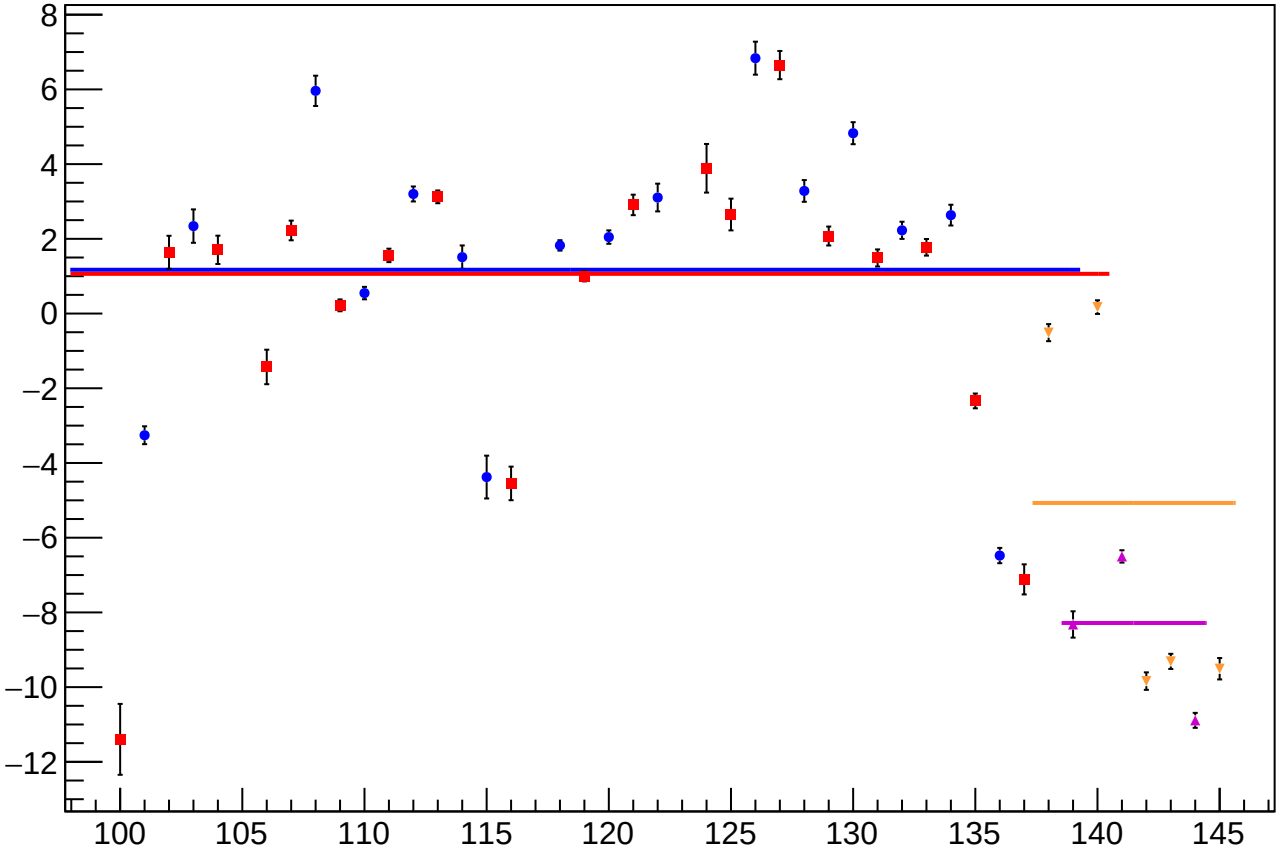
Left In: 43.659+/-0.130 χ^2/NDF:7666.0/2

+ sign 4.788+/-0.049 χ^2/NDF: 238852.9/20

All: 3.626+/-0.032 χ^2/NDF: 440102.9/42

- sign 2.729+/-0.043 χ^2/NDF: 200260.9/21

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

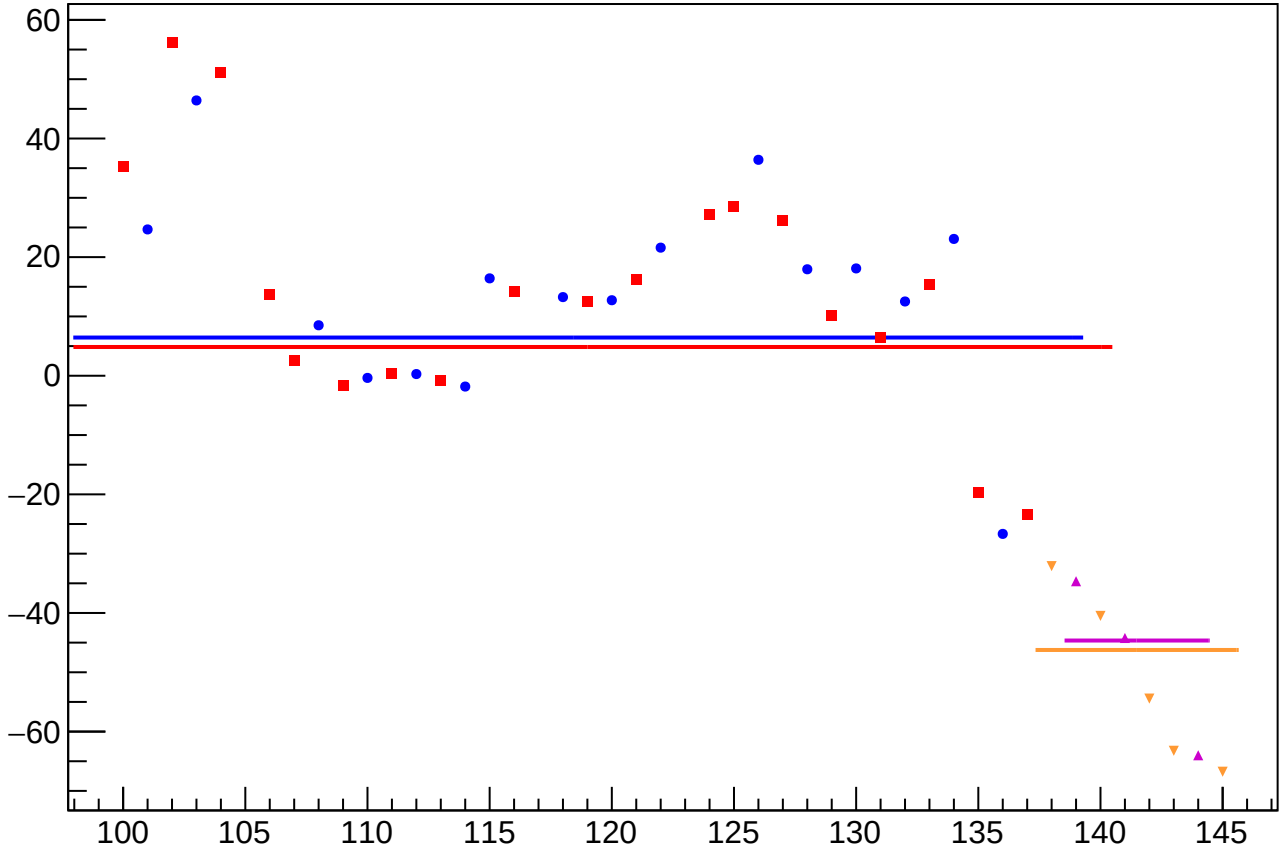
Left In: -8.283+/-0.120 χ^2/NDF:285.3/2

\+ sign -0.530+/-0.051 χ^2/NDF: 7837.4/20

All: -0.593+/-0.036 χ^2/NDF: 14678.5/42

\- sign -0.656+/-0.051 χ^2/NDF: 6838.0/21

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

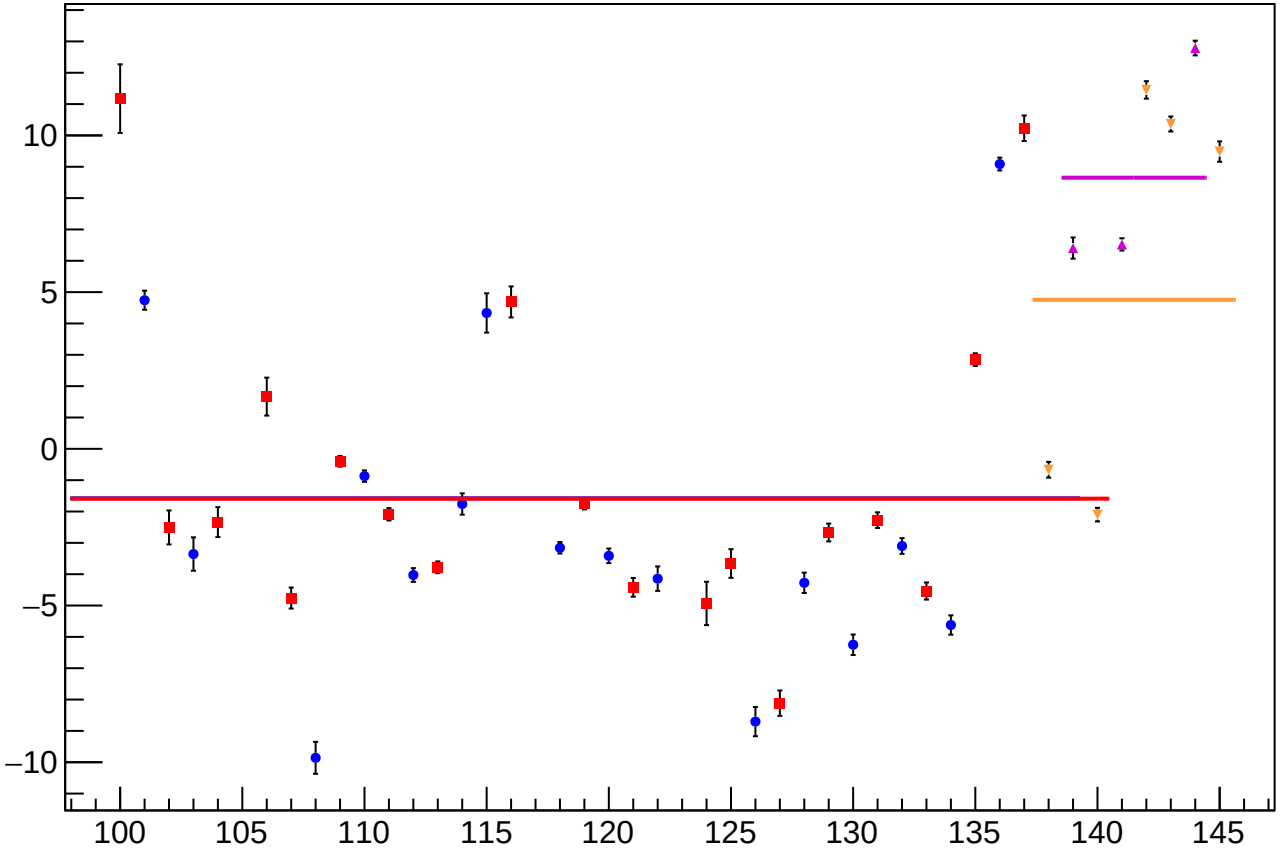
Left In: -44.646+/-0.134 χ^2/NDF:7184.4/2

\+ sign -5.497+/-0.057 χ^2/NDF: 232709.6/20

All: -4.250+/-0.039 χ^2/NDF: 430185.1/42

\- sign -3.137+/-0.054 χ^2/NDF: 196570.6/21

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

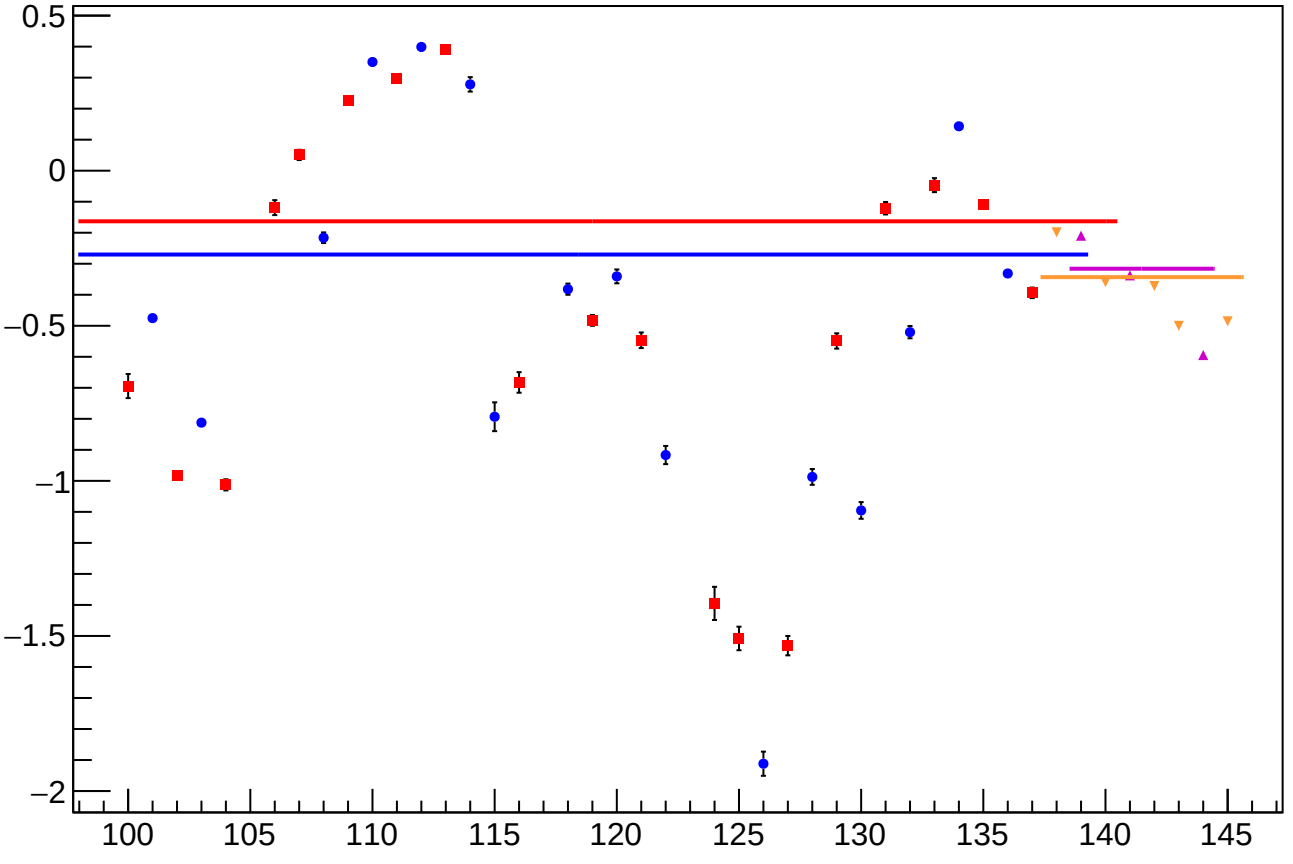
Left In: 8.652+/-0.137 χ^2/NDF:473.0/2

+ sign 0.120+/-0.059 χ^2/NDF: 9559.2/20

All: 0.185+/-0.042 χ^2/NDF: 17065.0/42

- sign 0.248+/-0.058 χ^2/NDF: 7503.4/21

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

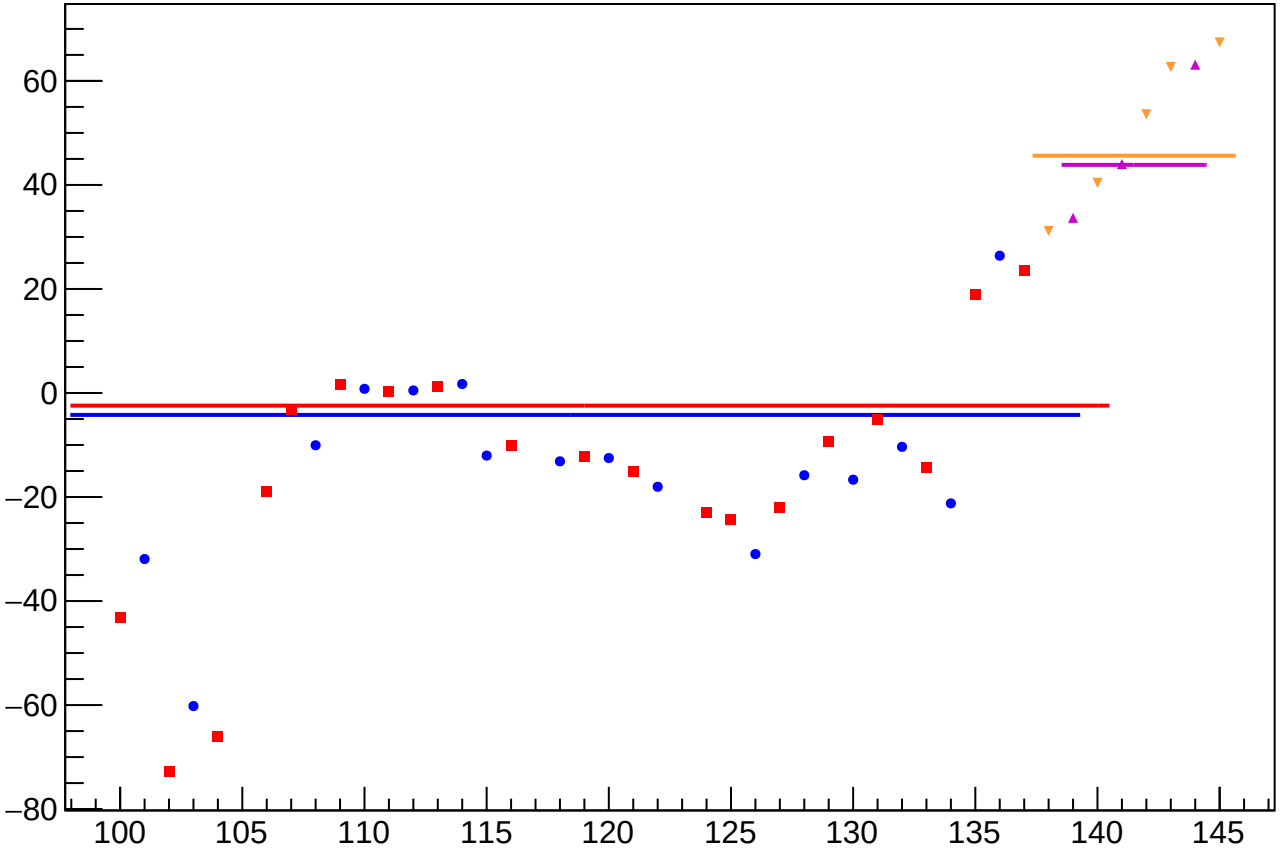
Left In: -0.316+/-0.005 χ^2/NDF:713.1/2

+ sign -0.301+/-0.003 χ^2/NDF: 12770.6/20

All: -0.257+/-0.002 χ^2/NDF: 29932.6/42

- sign -0.216+/-0.003 χ^2/NDF: 16786.2/21

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

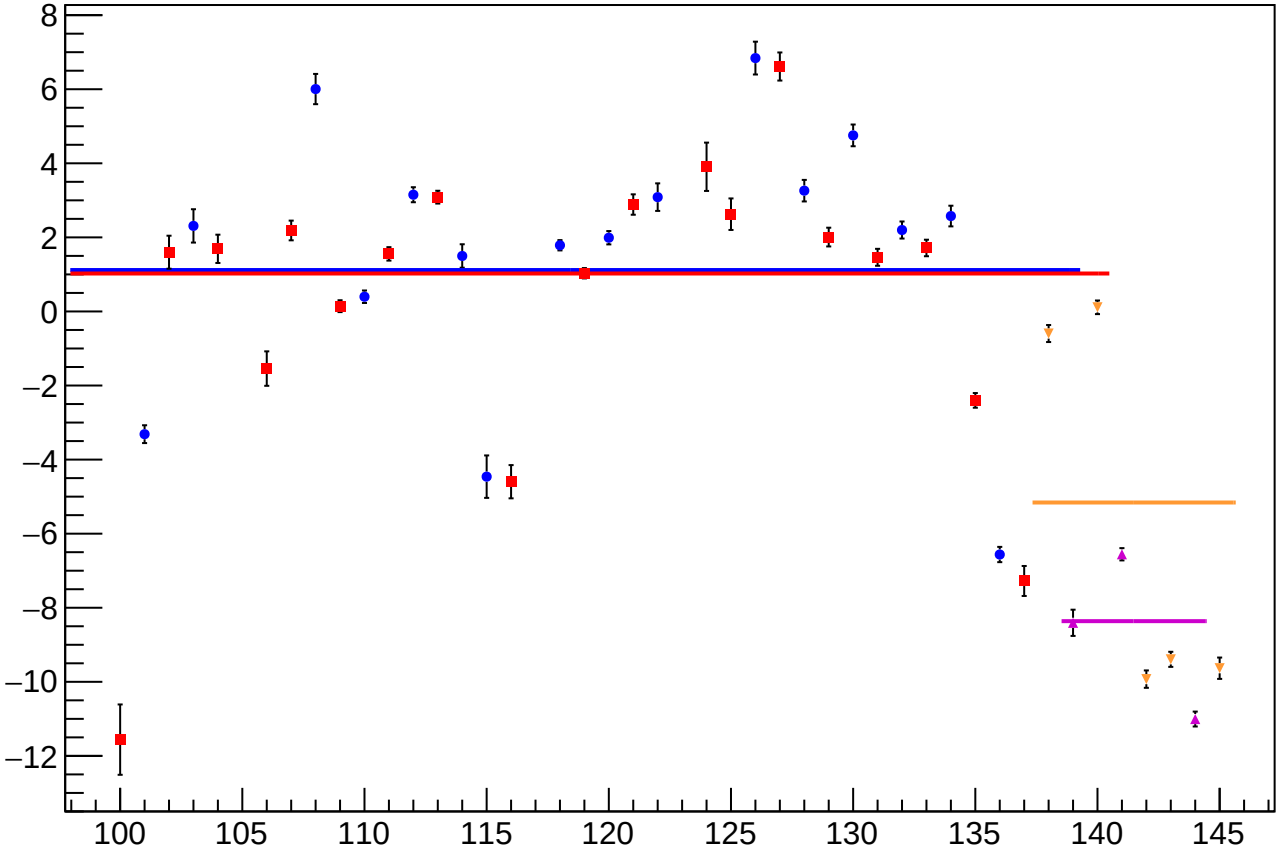
Left In: 43.860+/-0.130 χ^2/NDF:7647.7/2

+ sign 4.802+/-0.050 χ^2/NDF: 239220.8/20

All: 3.637+/-0.033 χ^2/NDF: 440650.2/42

- sign 2.736+/-0.044 χ^2/NDF: 200447.1/21

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

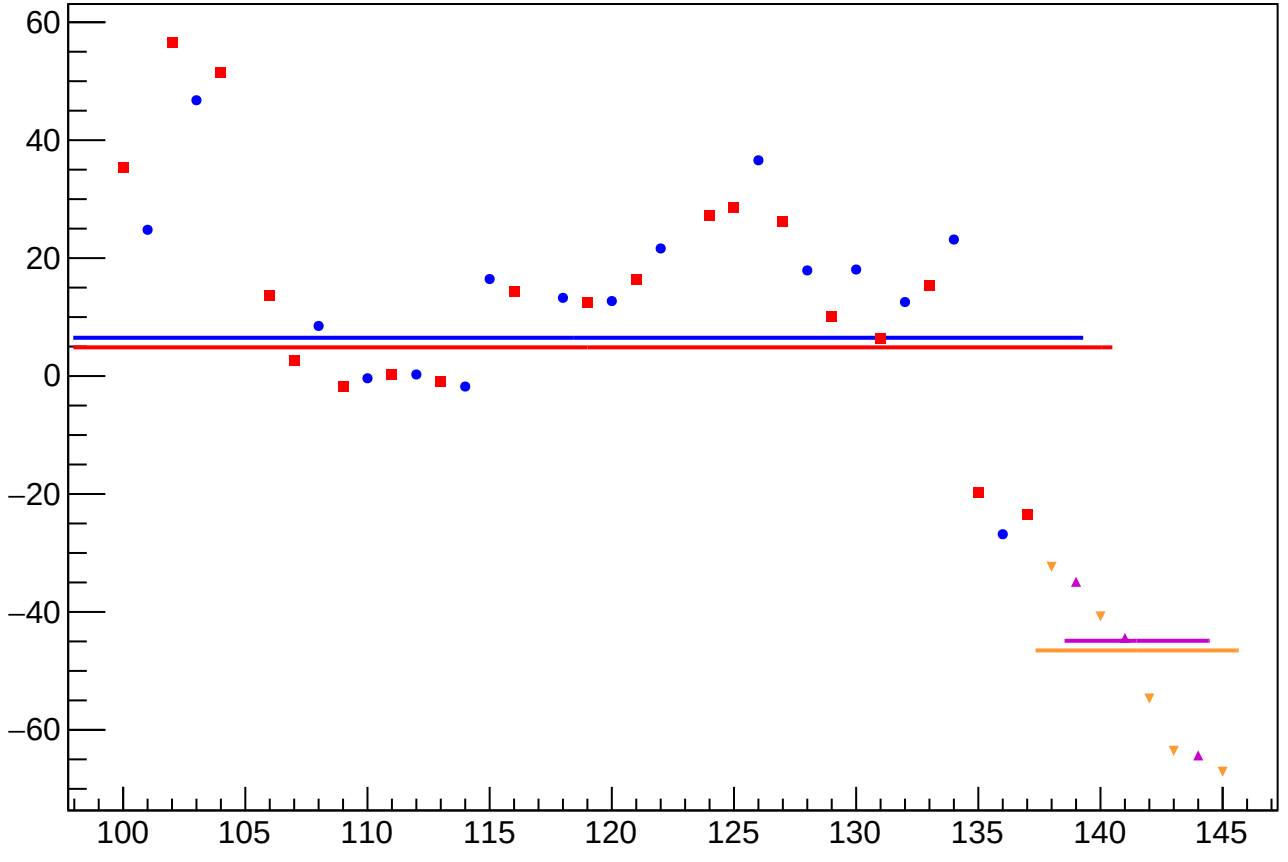
Left In: -8.362+/-0.120 χ^2/NDF:290.7/2

+ sign -0.595+/-0.052 χ^2/NDF: 7841.9/20

All: -0.650+/-0.036 χ^2/NDF: 14702.4/42

- sign -0.705+/-0.052 χ^2/NDF: 6858.3/21

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

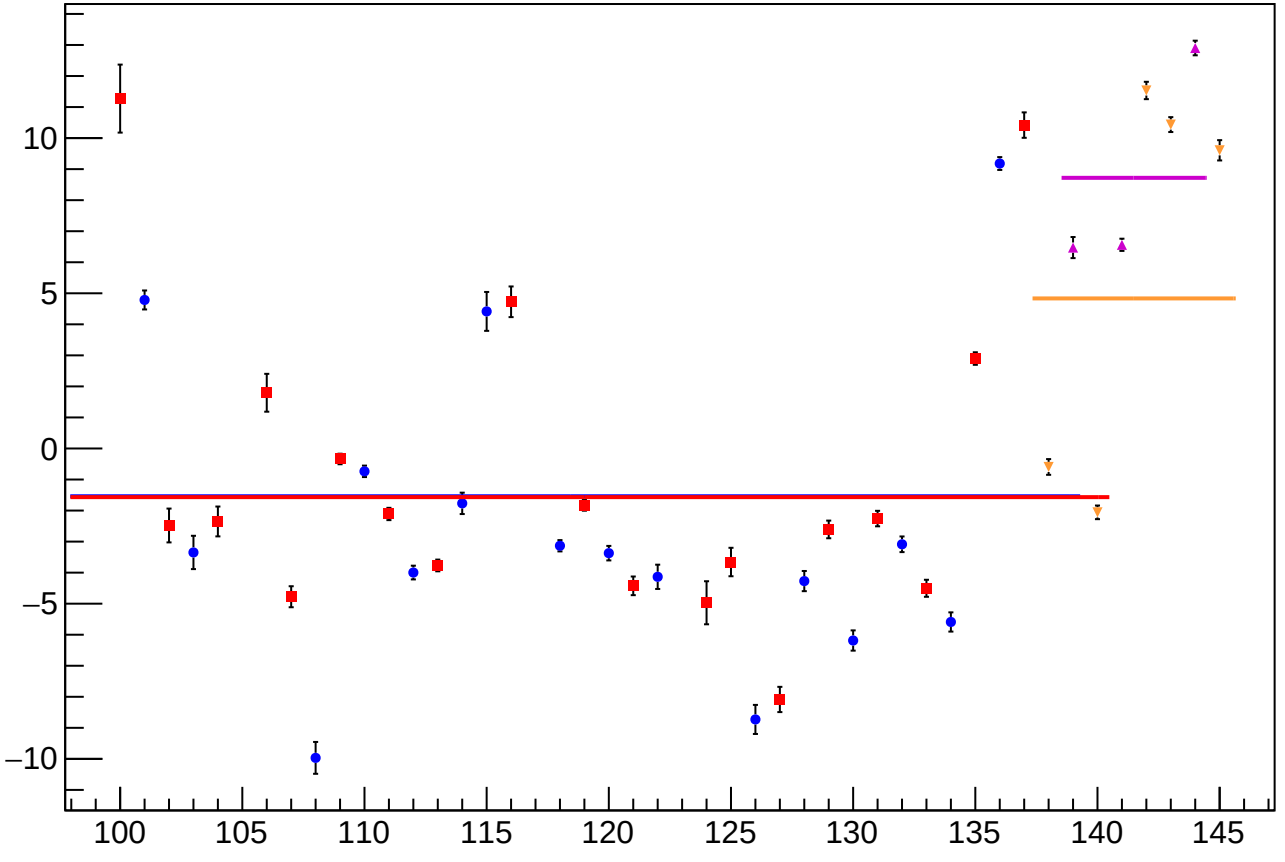
Left In: -44.890+/-0.135 χ^2/NDF:7167.5/2

+ sign -5.545+/-0.057 χ^2/NDF: 233111.6/20

All: -4.299+/-0.039 χ^2/NDF: 430808.3/42

- sign -3.185+/-0.054 χ^2/NDF: 196802.1/21

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

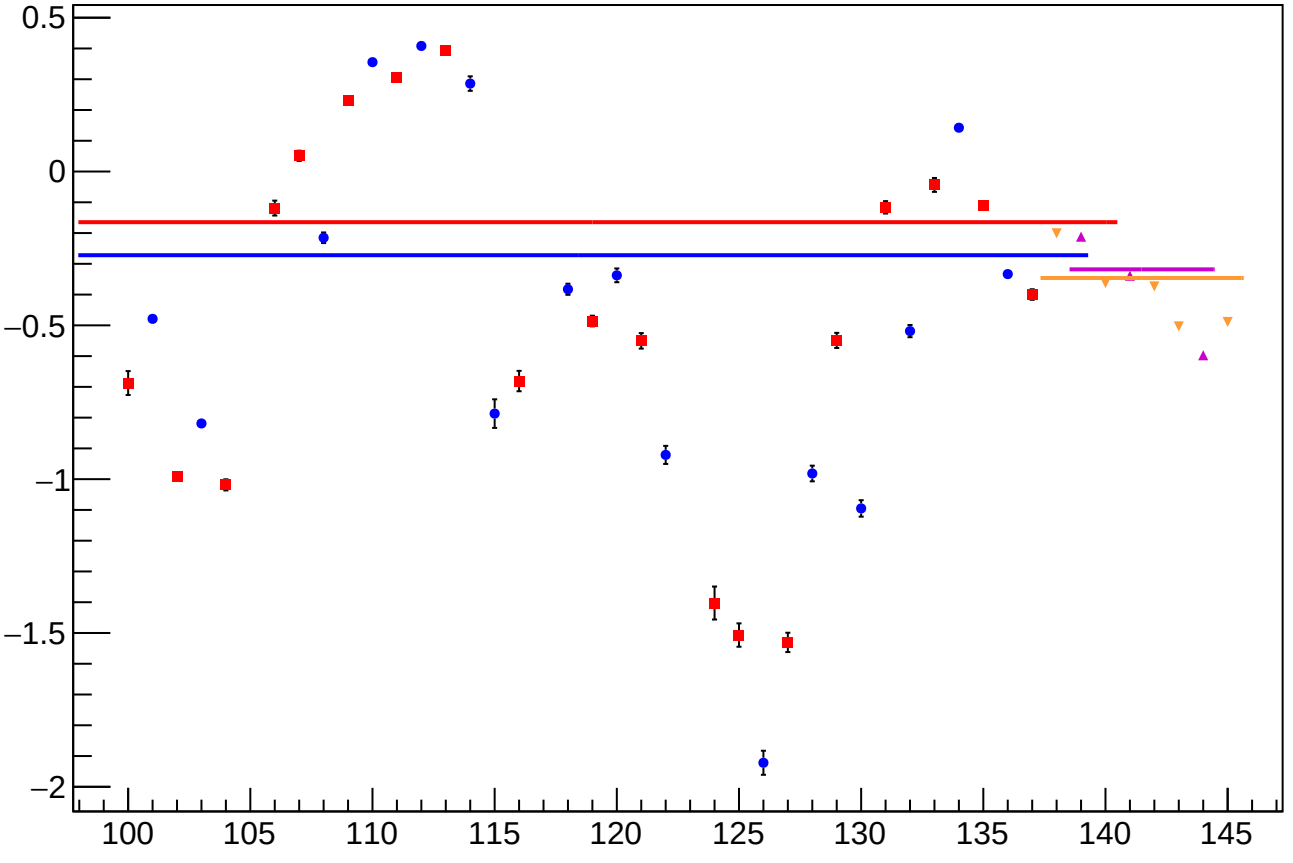
Left In: 8.720+/-0.138 χ^2/NDF:479.0/2

+ sign 0.172+/-0.059 χ^2/NDF: 9567.6/20

All: 0.228+/-0.042 χ^2/NDF: 17104.0/42

- sign 0.282+/-0.059 χ^2/NDF: 7534.8/21

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

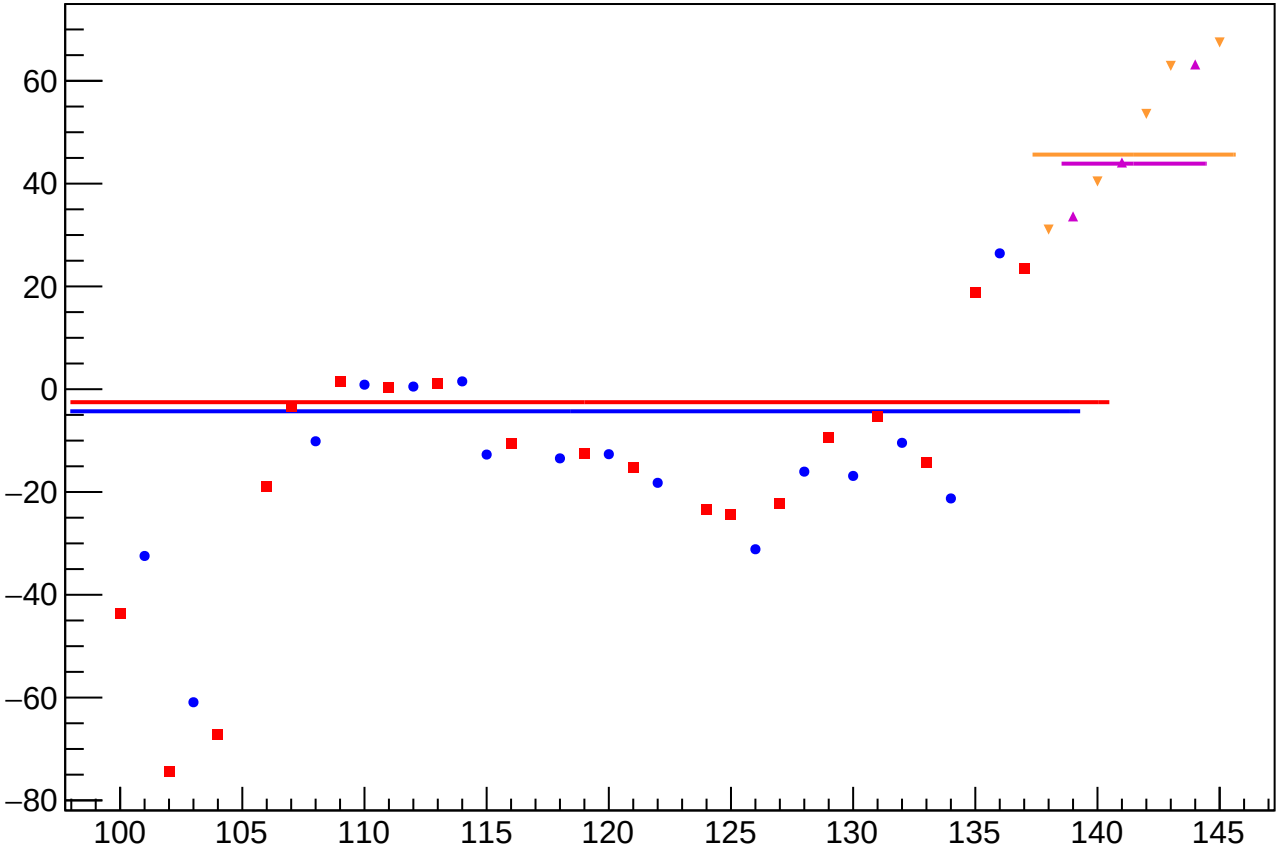
Left In: -0.318+/-0.005 χ^2/NDF:708.9/2

+ sign -0.303+/-0.003 χ^2/NDF: 12799.8/20

All: -0.259+/-0.002 χ^2/NDF: 29936.2/42

- sign -0.218+/-0.003 χ^2/NDF: 16760.3/21

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

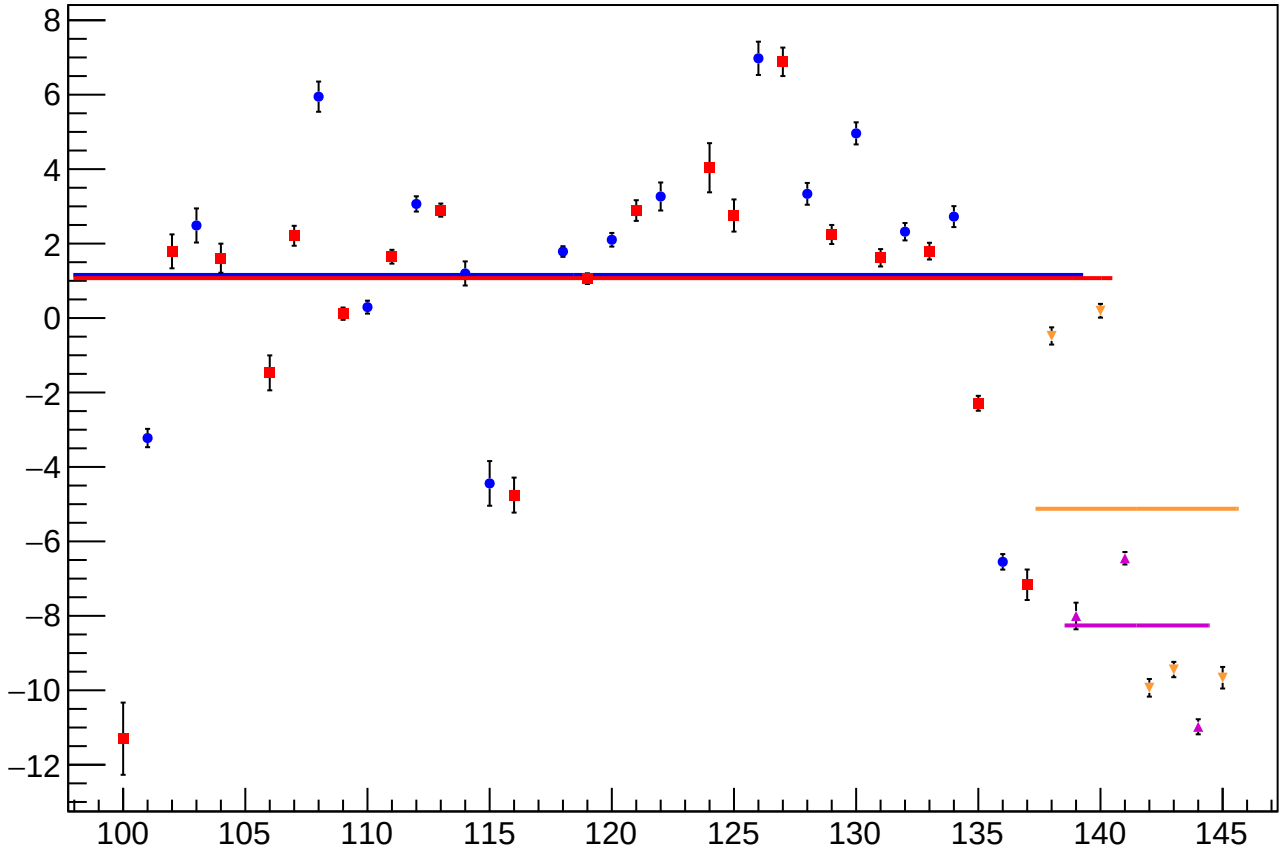
Left In: 43.888+/-0.132 χ^2/NDF:7574.9/2

+ sign 4.883+/-0.050 χ^2/NDF: 235594.0/20

All: 3.694+/-0.033 χ^2/NDF: 434133.1/42

- sign 2.766+/-0.044 χ^2/NDF: 197546.4/21

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

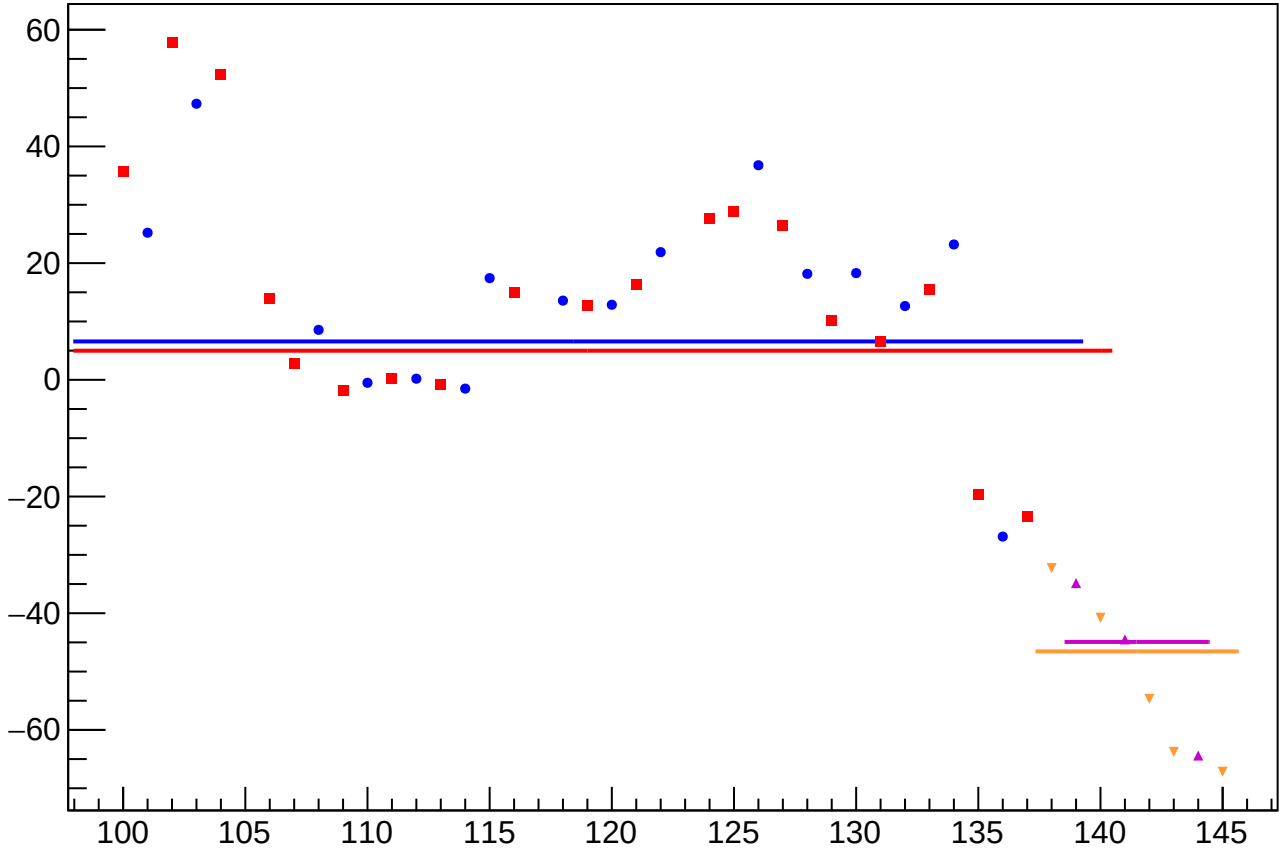
Left In: -8.258+/-0.122 χ^2/NDF:295.7/2

+ sign -0.579+/-0.052 χ^2/NDF: 7755.0/20

All: -0.625+/-0.037 χ^2/NDF: 14383.0/42

- sign -0.672+/-0.053 χ^2/NDF: 6626.4/21

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

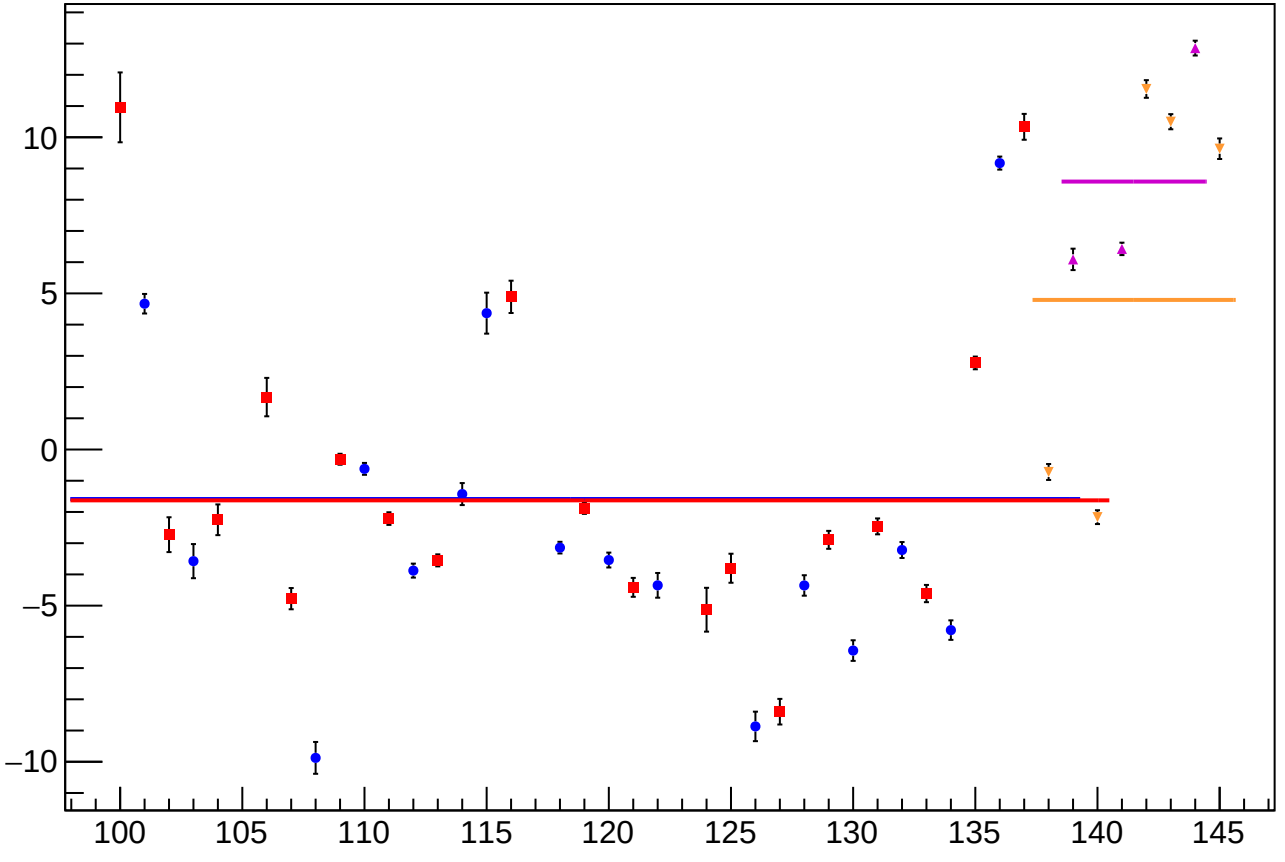
Left In: -44.920+/-0.136 χ^2/NDF:7093.7/2

\+ sign -5.650+/-0.058 χ^2/NDF: 229513.3/20

All: -4.373+/-0.040 χ^2/NDF: 424339.4/42

\- sign -3.226+/-0.055 χ^2/NDF: 193914.4/21

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

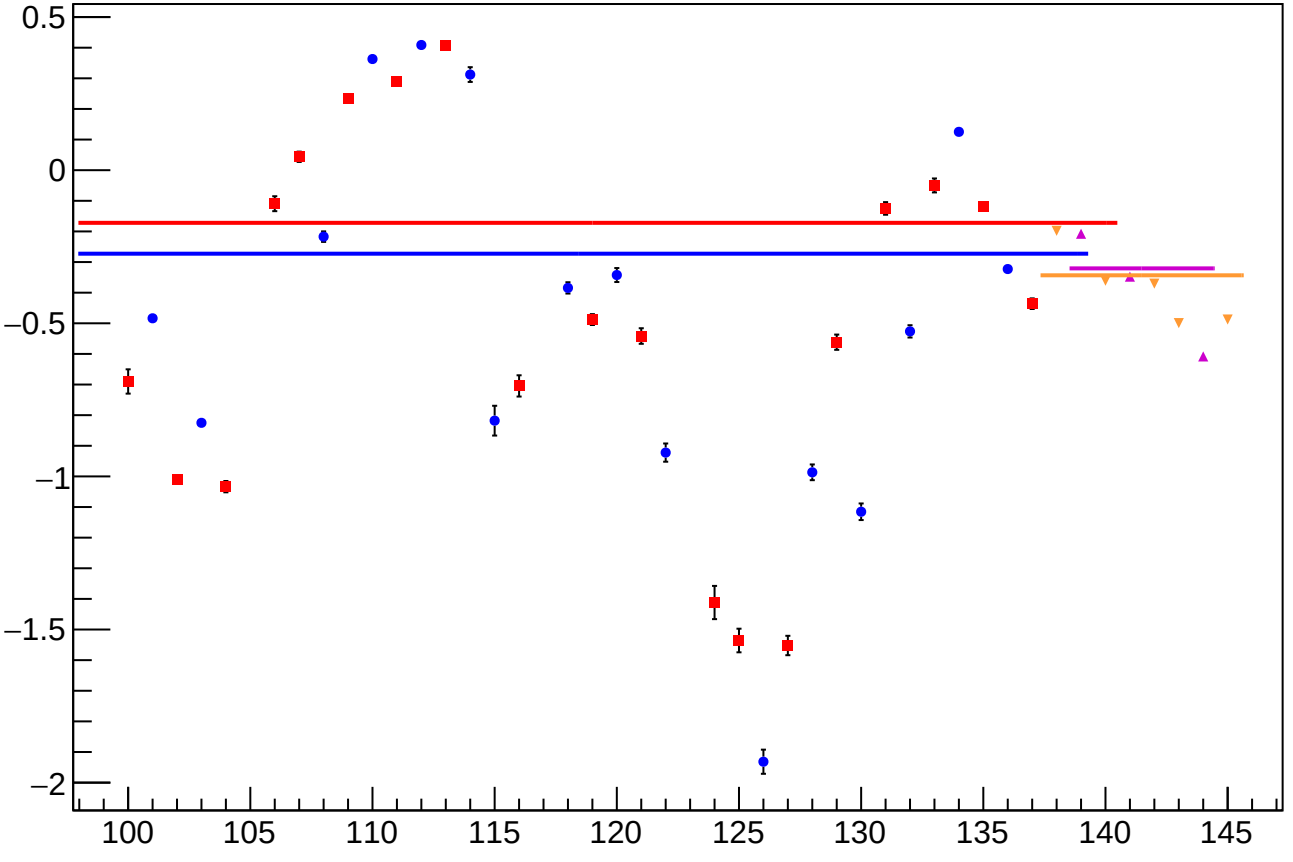
Left In: 8.581+/-0.139 χ^2/NDF:493.2/2

+ sign 0.148+/-0.060 χ^2/NDF: 9472.7/20

All: 0.191+/-0.042 χ^2/NDF: 16772.5/42

- sign 0.233+/-0.060 χ^2/NDF: 7298.8/21

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

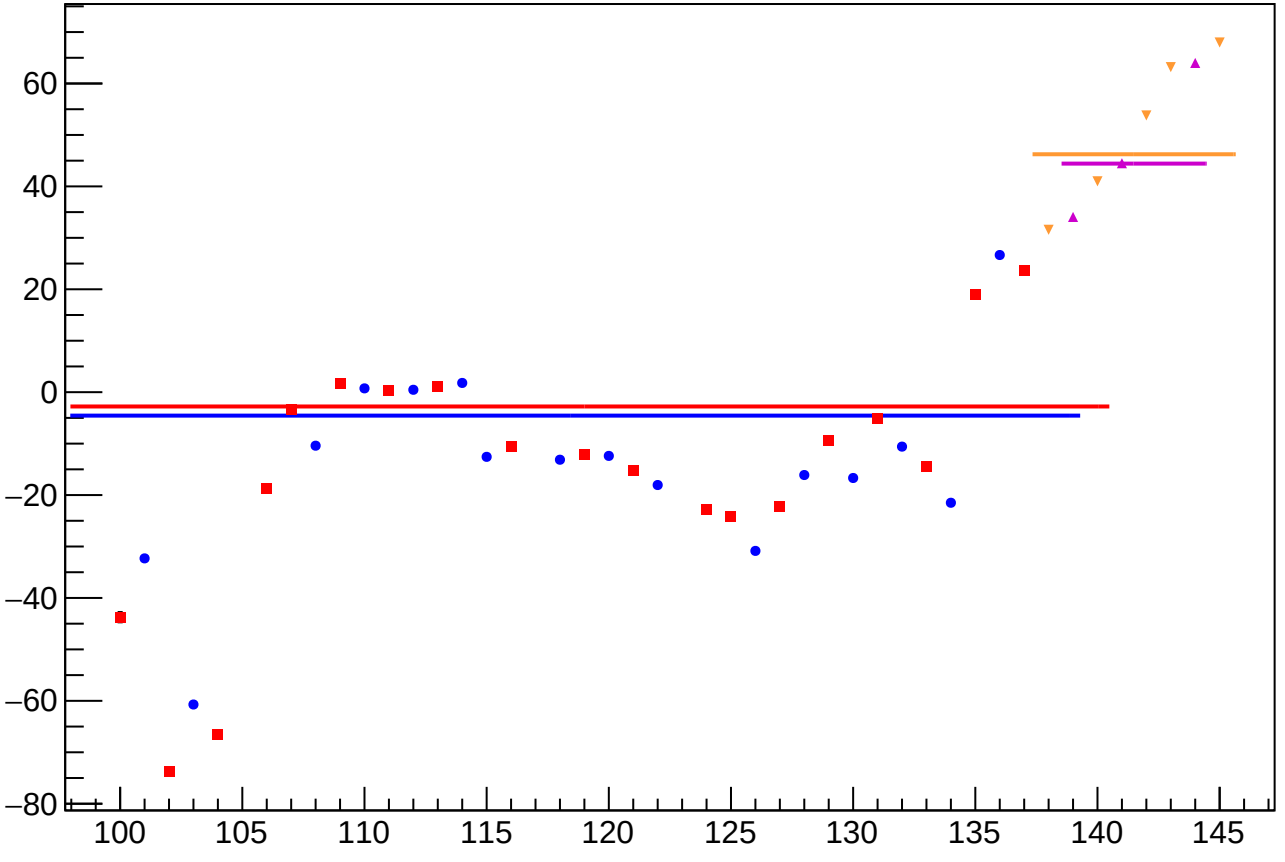
Left In: -0.321+/-0.005 χ^2/NDF:756.4/2

+ sign -0.303+/-0.003 χ^2/NDF: 12567.0/20

All: -0.262+/-0.002 χ^2/NDF: 29471.4/42

- sign -0.224+/-0.003 χ^2/NDF: 16593.4/21

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

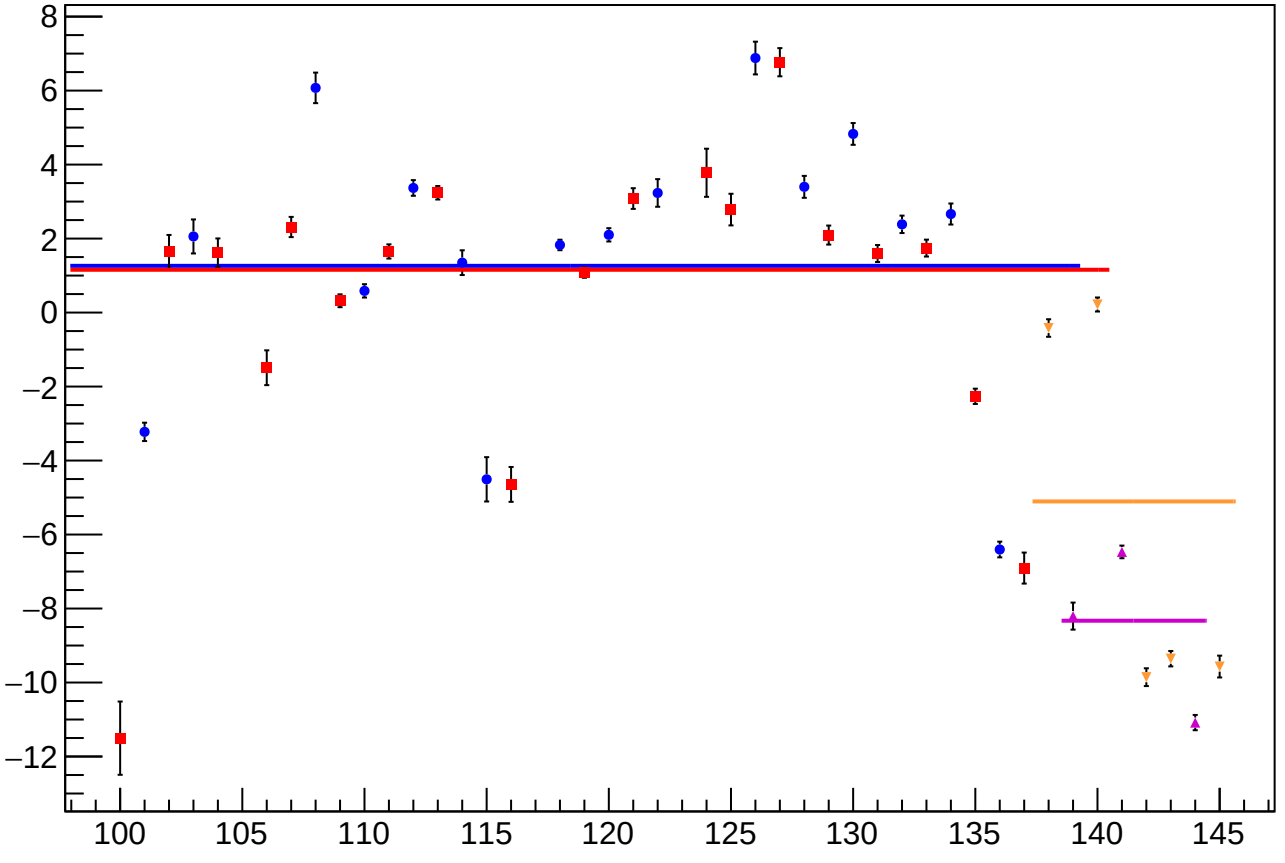
Left In: 44.429+/-0.134 χ^2/NDF:7470.1/2

+ sign 4.754+/-0.051 χ^2/NDF: 232361.0/20

All: 3.588+/-0.034 χ^2/NDF: 427941.9/42

- sign 2.668+/-0.046 χ^2/NDF: 194658.2/21

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

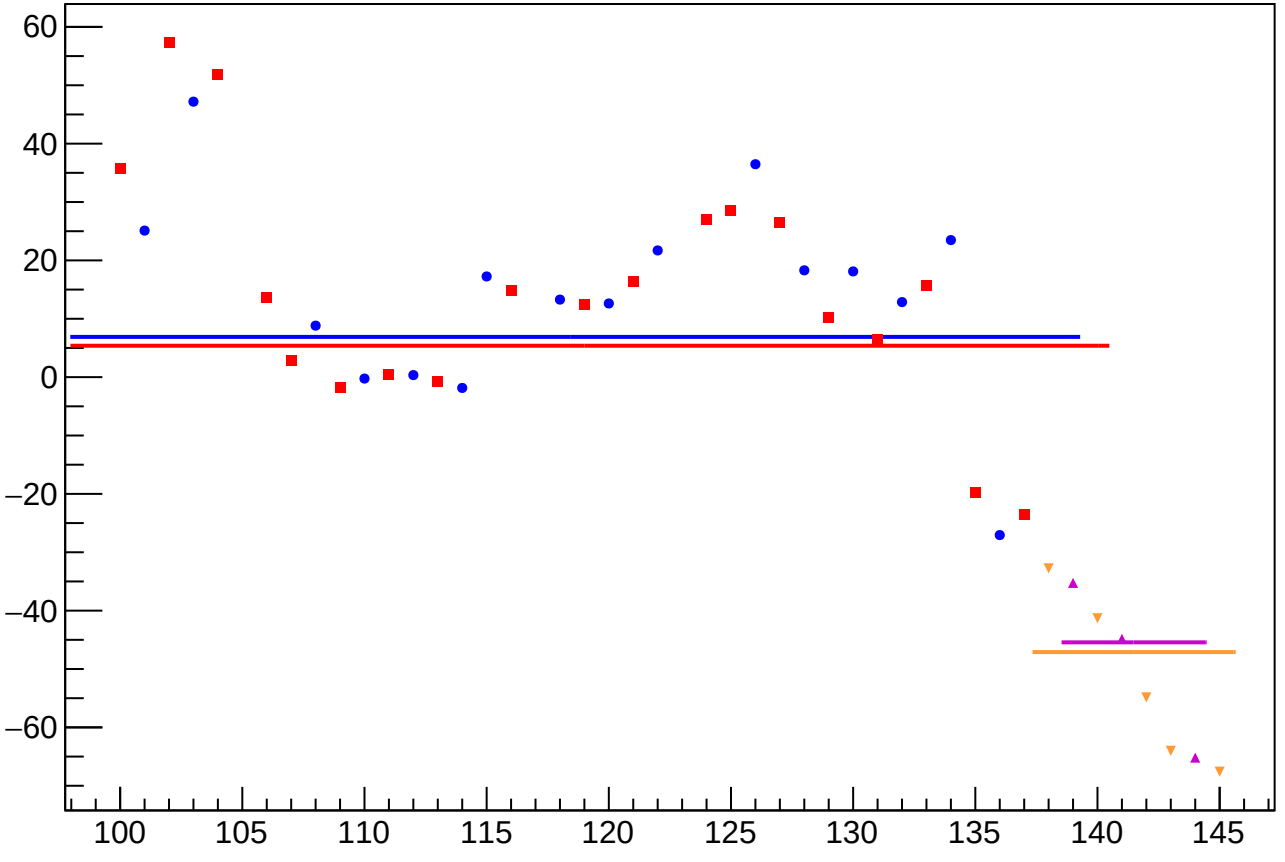
Left In: -8.329+/-0.124 χ^2/NDF:295.6/2

\+ sign -0.473+/-0.053 χ^2/NDF: 7530.5/20

All: -0.535+/-0.038 χ^2/NDF: 14088.6/42

\- sign -0.598+/-0.053 χ^2/NDF: 6555.3/21

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

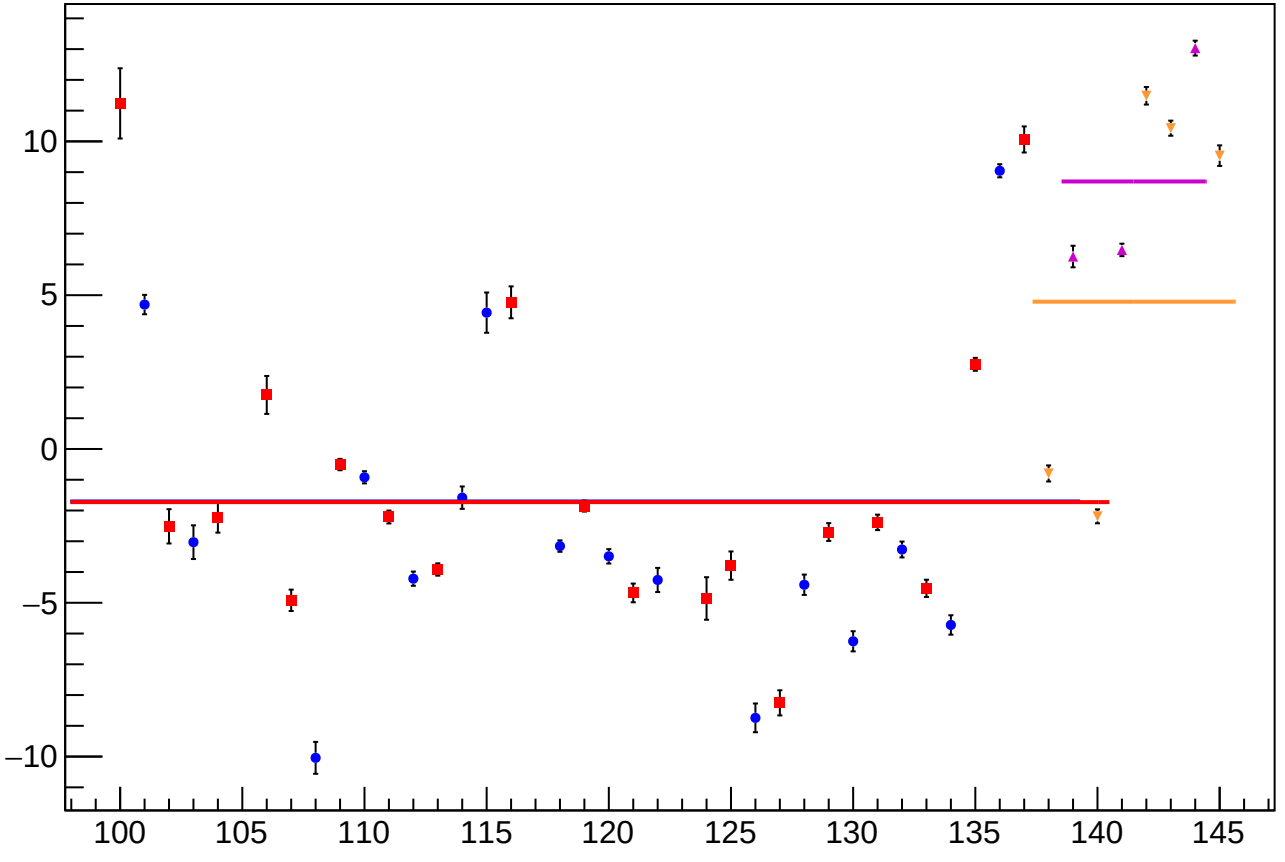
Left In: -45.433+/-0.139 χ^2/NDF:7001.7/2

\+ sign -5.417+/-0.059 χ^2/NDF: 226337.8/20

All: -4.148+/-0.041 χ^2/NDF: 418327.4/42

\- sign -2.997+/-0.056 χ^2/NDF: 191113.3/21

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

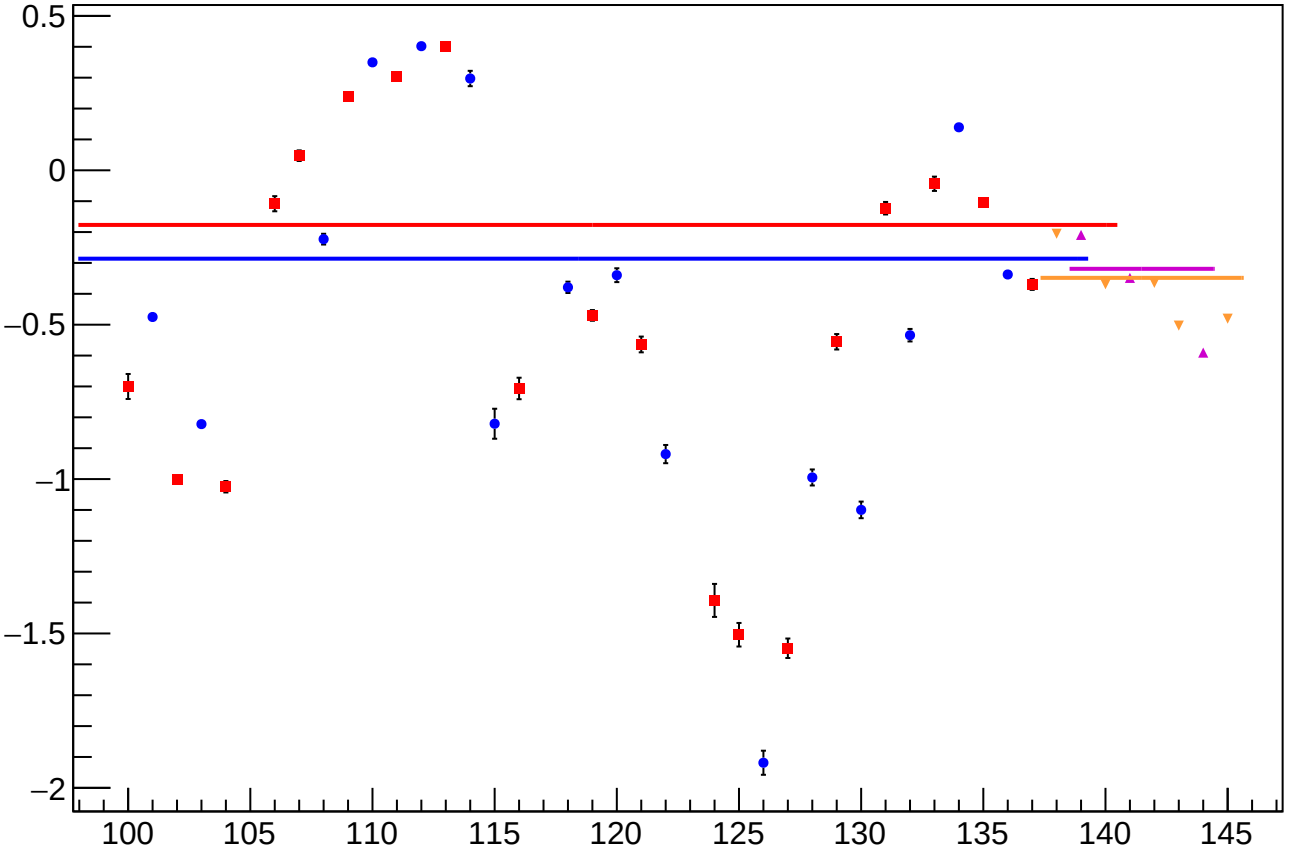
Left In: 8.697+/-0.142 χ^2/NDF:489.7/2

\+ sign 0.039+/-0.061 χ^2/NDF: 9184.3/20

All: 0.101+/-0.043 χ^2/NDF: 16392.3/42

\- sign 0.162+/-0.060 χ^2/NDF: 7205.9/21

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

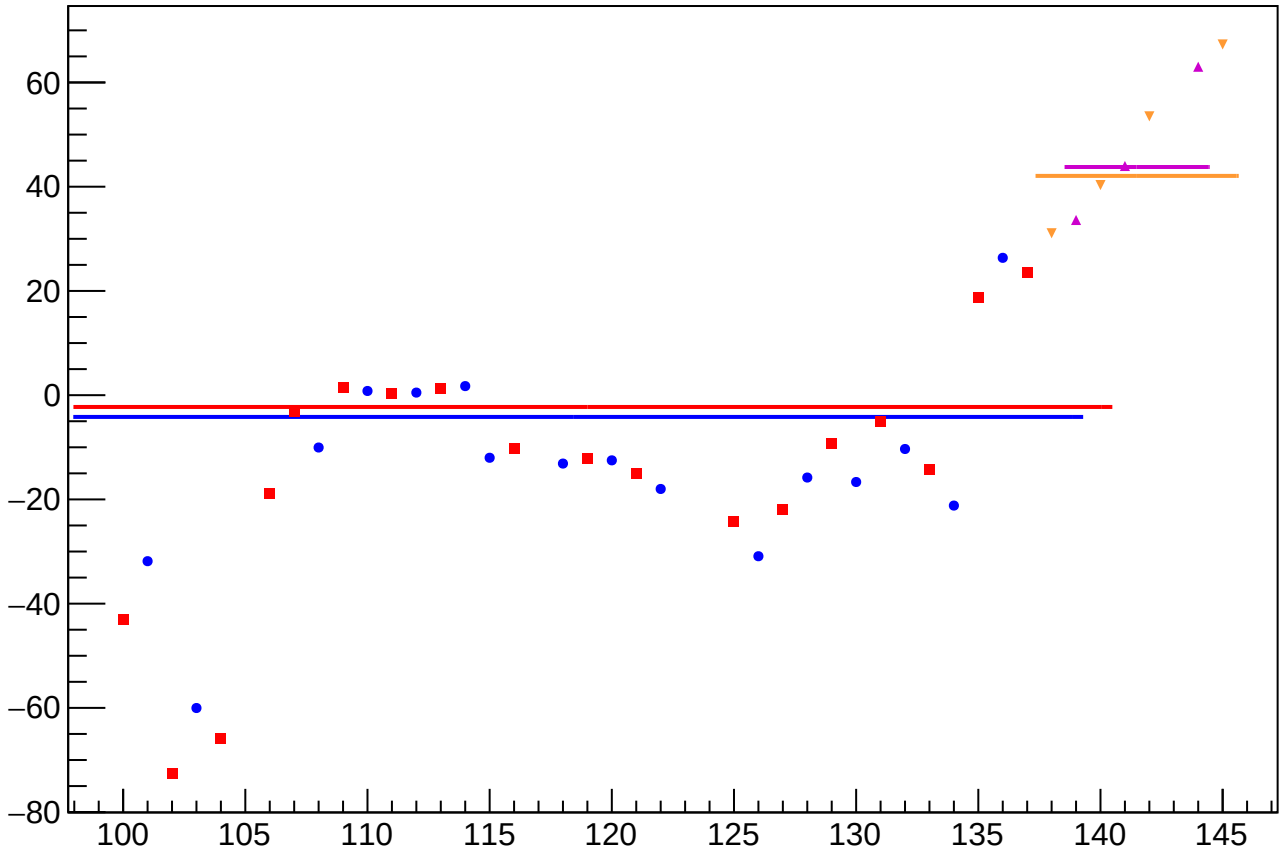
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.319+/-0.005 χ^2/NDF:663.0/2

+ sign -0.312+/-0.003 χ^2/NDF: 11986.2/20

All: -0.268+/-0.002 χ^2/NDF: 28222.5/42

- sign -0.226+/-0.003 χ^2/NDF: 15882.1/21



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 42.074+/-0.127 χ^2/NDF:9534.8/3

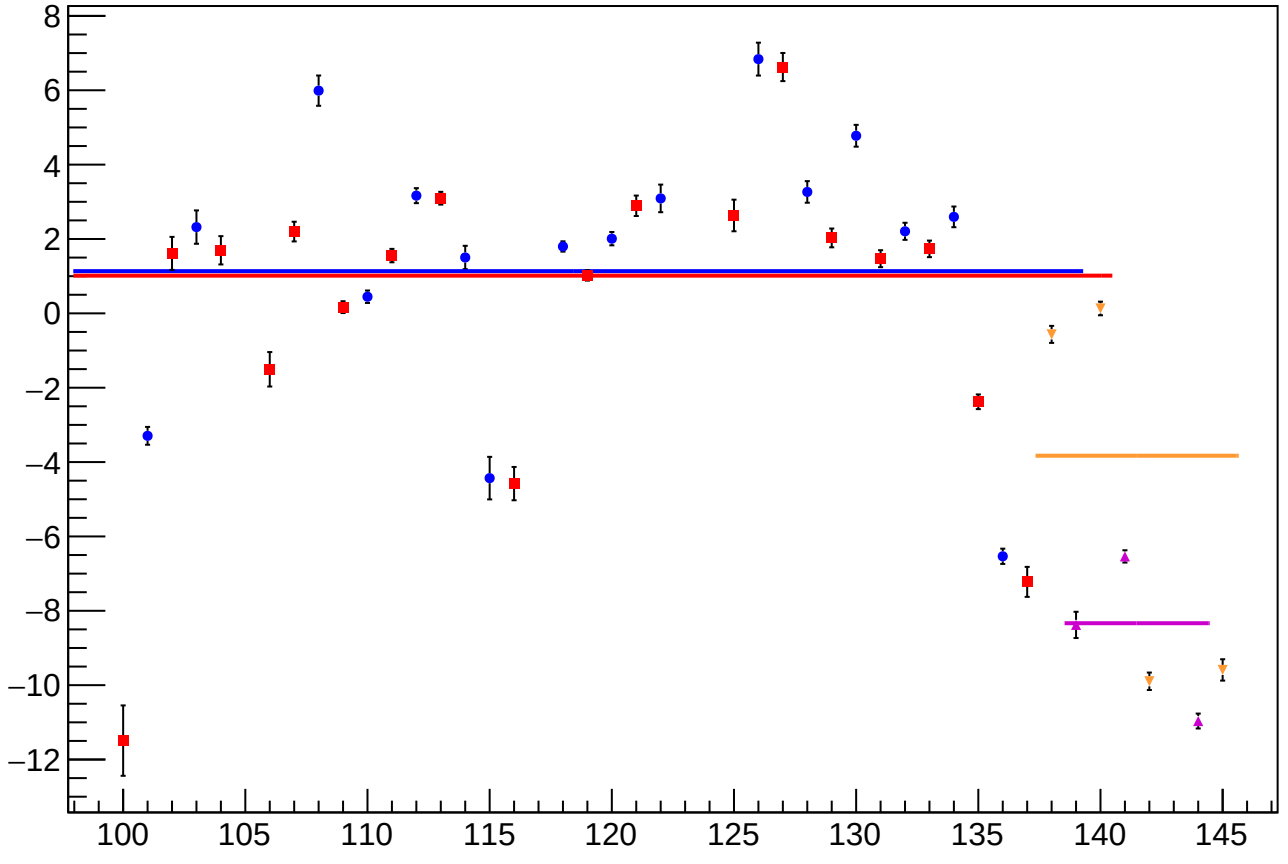
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 43.780+/-0.130 χ^2/NDF:7669.5/2

+ sign 2.979+/-0.050 χ^2/NDF: 196491.7/19

All: 2.918+/-0.033 χ^2/NDF: 395298.5/40

- sign 2.872+/-0.043 χ^2/NDF: 198804.2/20



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -3.829+/-0.112 χ^2/NDF:1742.8/3

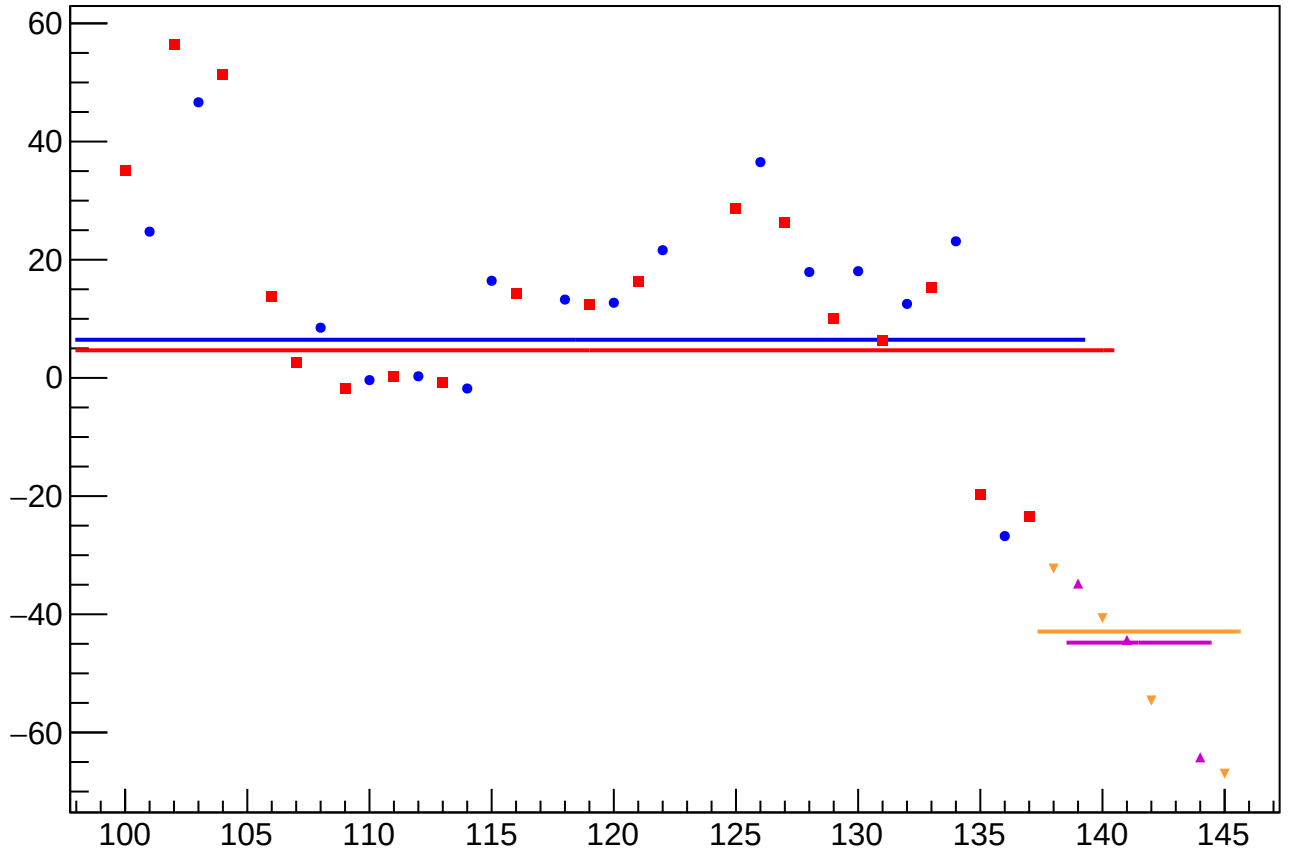
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -8.334+/-0.120 χ^2/NDF:289.4/2

+ sign 0.029+/-0.053 χ^2/NDF: 5855.2/19

All: -0.353+/-0.037 χ^2/NDF: 12775.5/40

- sign -0.714+/-0.052 χ^2/NDF: 6819.8/20



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -42.918+/-0.132 χ^2/NDF:8401.3/3

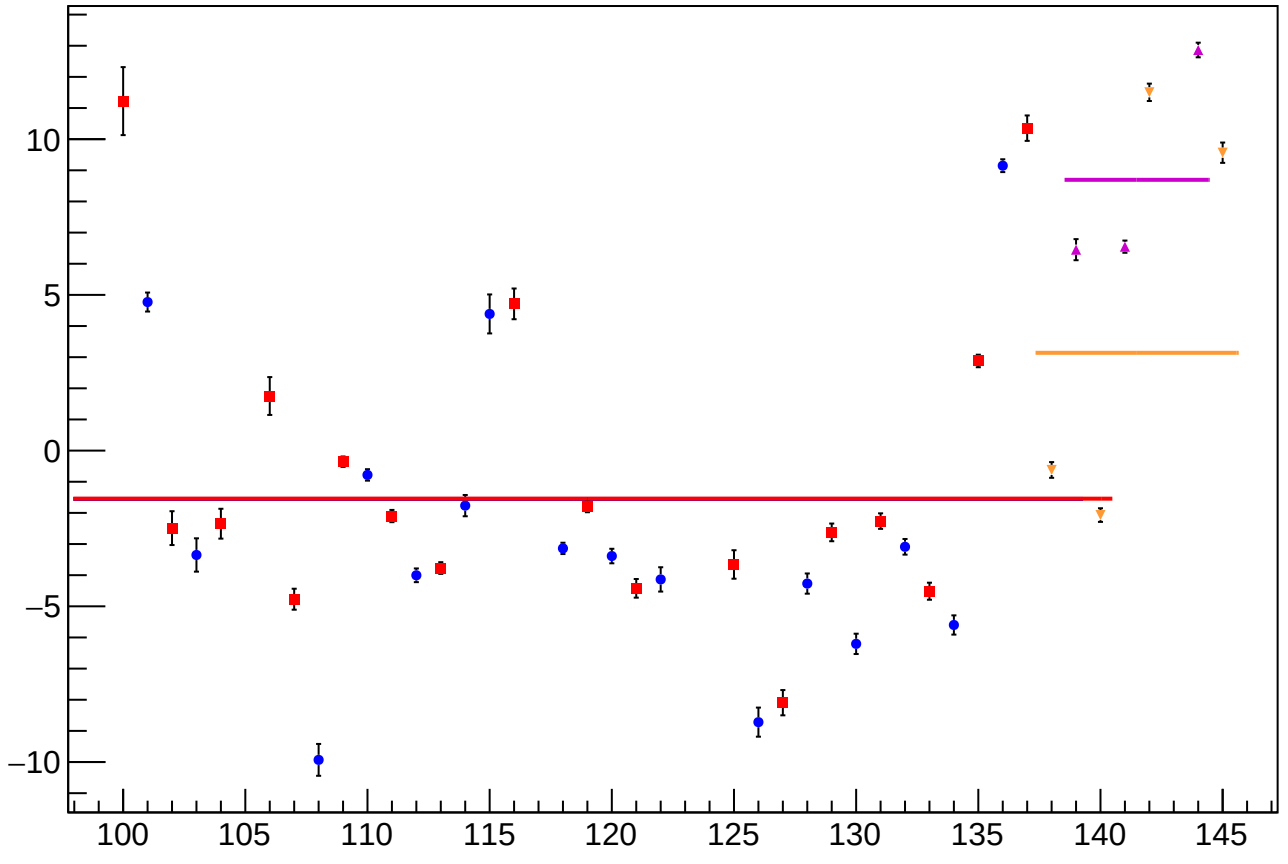
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -44.795+/-0.134 χ^2/NDF:7187.6/2

\+ sign -3.199+/-0.058 χ^2/NDF: 192190.1/19

All: -3.277+/-0.040 χ^2/NDF: 387446.2/40

\- sign -3.344+/-0.054 χ^2/NDF: 195252.8/20



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 3.141+/-0.130 χ^2/NDF:2075.0/3

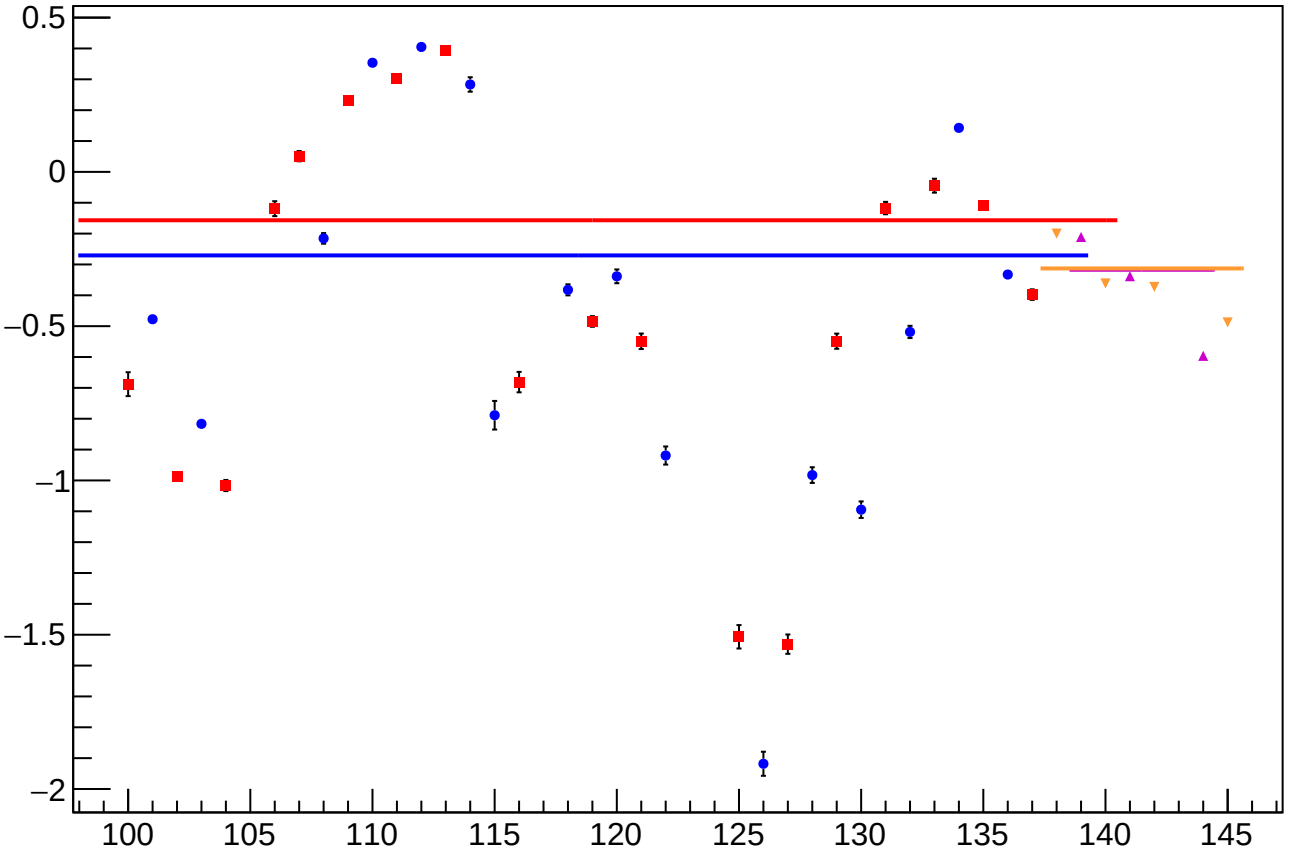
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 8.695+/-0.138 χ^2/NDF:477.8/2

+ sign -0.518+/-0.061 χ^2/NDF: 7628.3/19

All: -0.088+/-0.042 χ^2/NDF: 15208.9/40

- sign 0.304+/-0.058 χ^2/NDF: 7486.2/20



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.313+/-0.005 χ^2/NDF:392.4/3

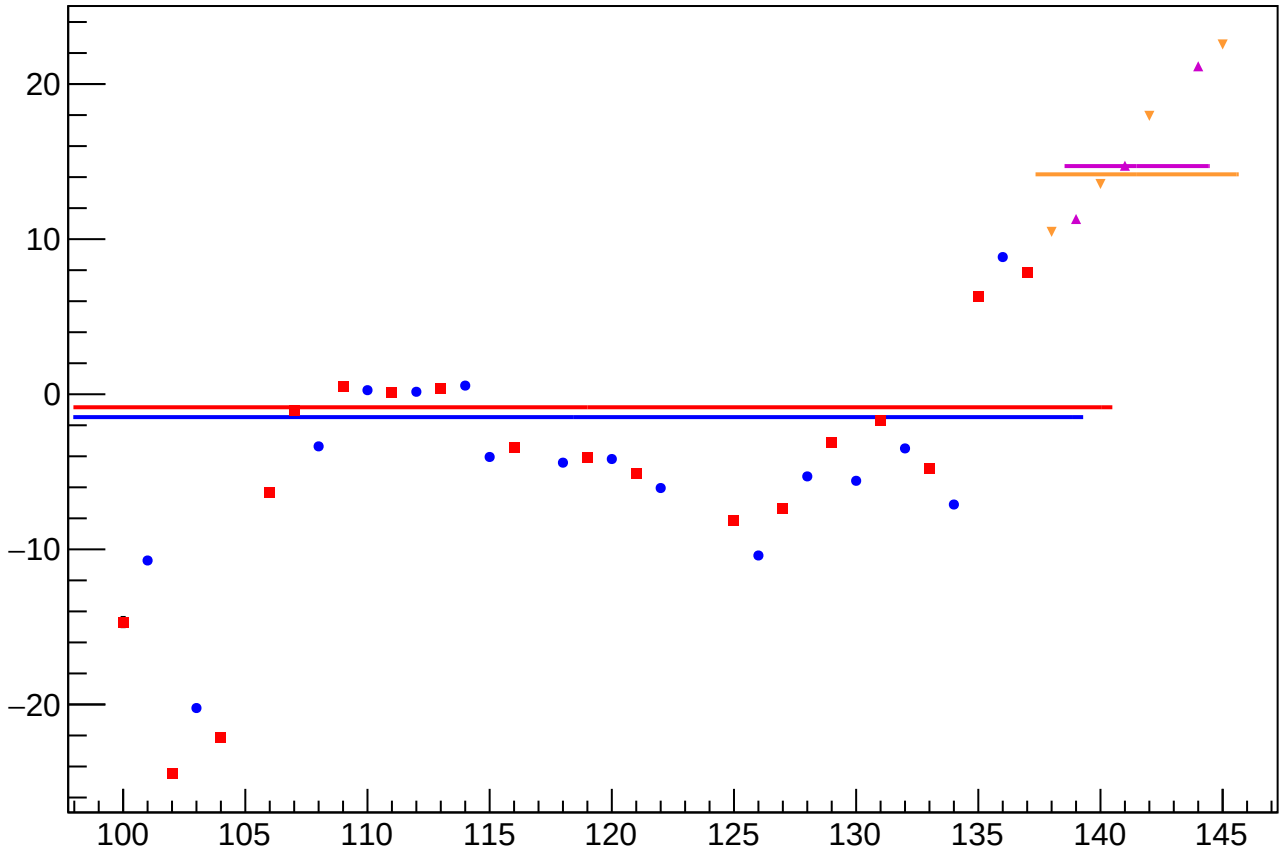
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.317+/-0.005 χ^2/NDF:711.8/2

+ sign -0.287+/-0.003 χ^2/NDF: 12527.5/19

All: -0.247+/-0.002 χ^2/NDF: 29150.6/40

- sign -0.212+/-0.003 χ^2/NDF: 16347.9/20



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 14.179+/-0.043 χ^2/NDF:9247.0/3

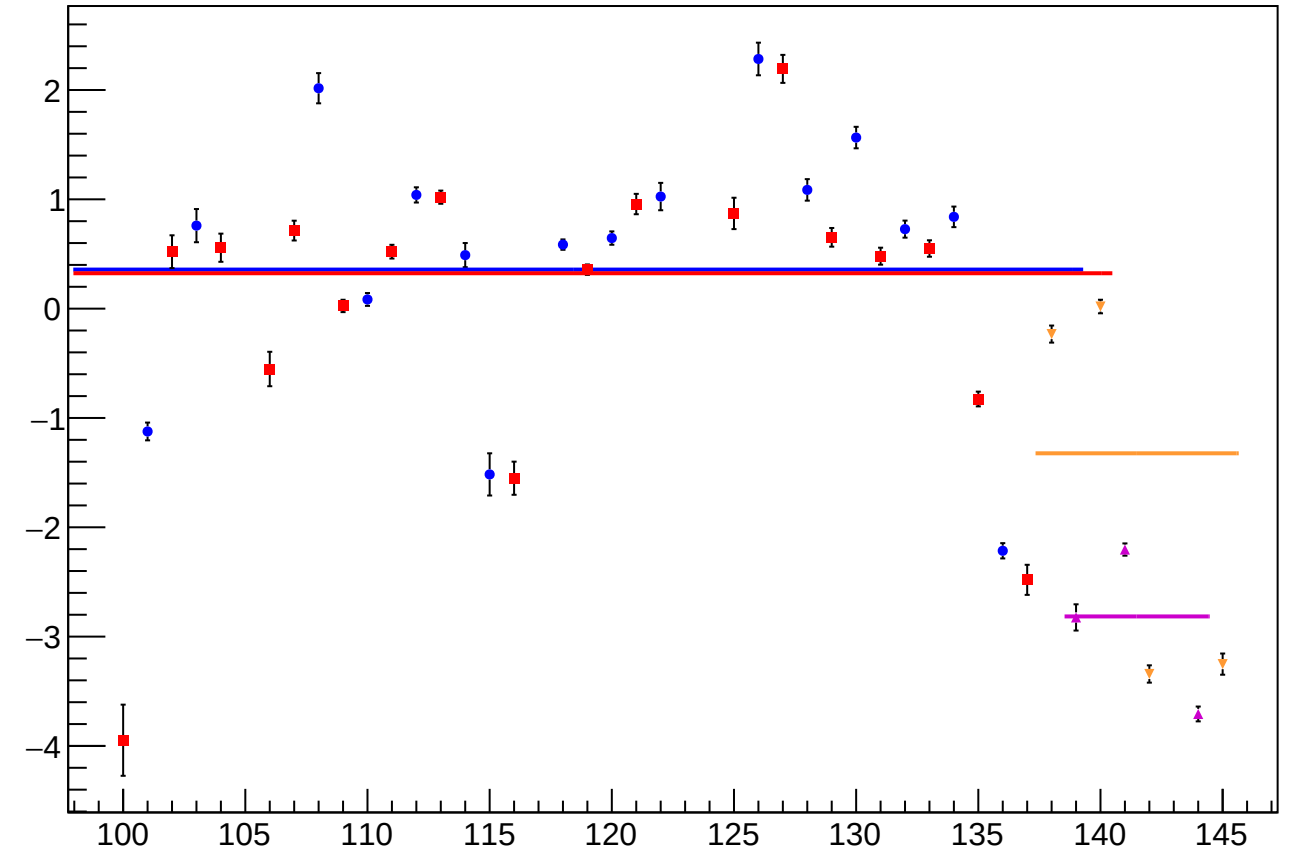
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 14.712+/-0.044 χ^2/NDF:7494.2/2

+ sign 1.000+/-0.017 χ^2/NDF: 193266.2/19

All: 0.987+/-0.011 χ^2/NDF: 388607.3/40

- sign 0.977+/-0.015 χ^2/NDF: 195340.0/20



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -1.323+/-0.038 χ^2/NDF:1706.9/3

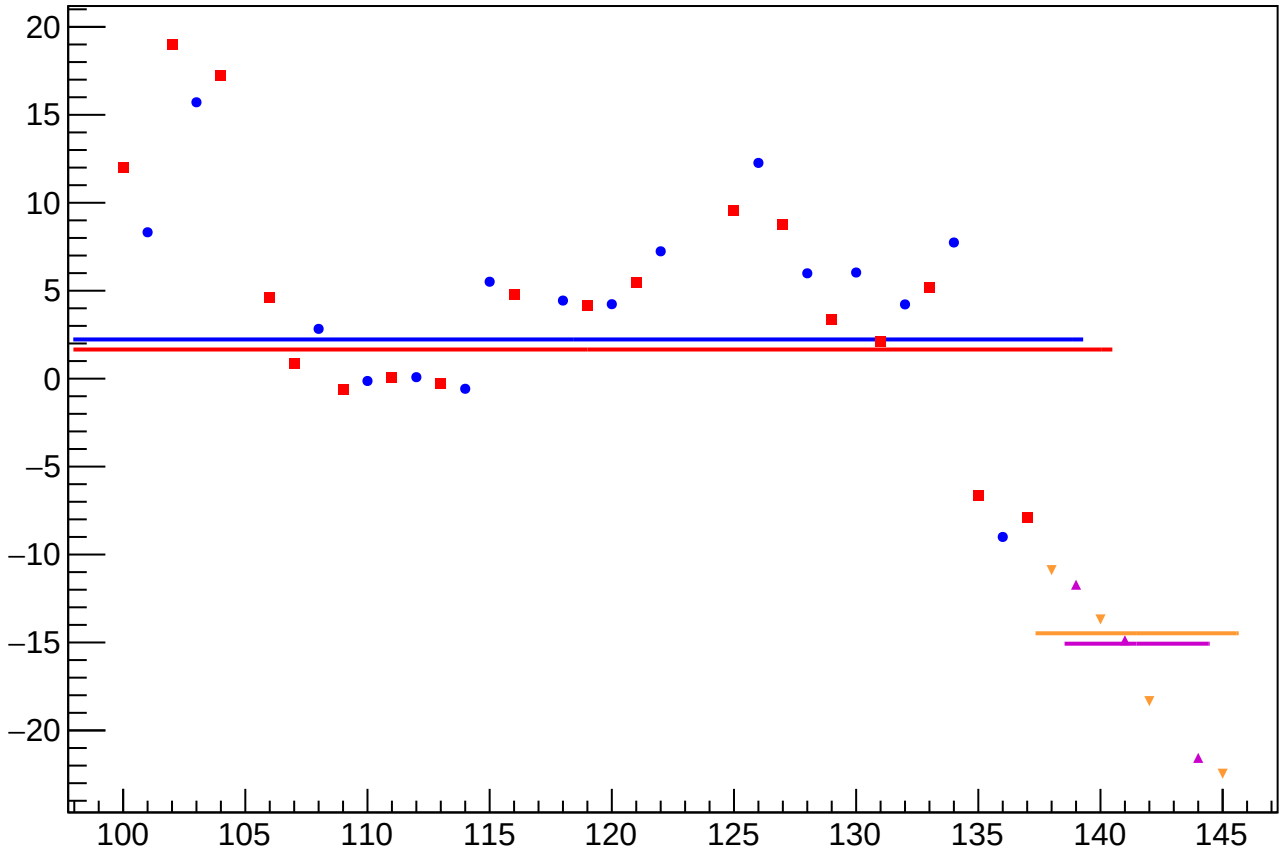
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -2.815+/-0.041 χ^2/NDF:291.6/2

+ sign -0.022+/-0.018 χ^2/NDF: 5755.8/19

All: -0.150+/-0.013 χ^2/NDF: 12524.5/40

- sign -0.272+/-0.018 χ^2/NDF: 6671.6/20



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -14.477+/-0.045 χ^2/NDF:8141.7/3

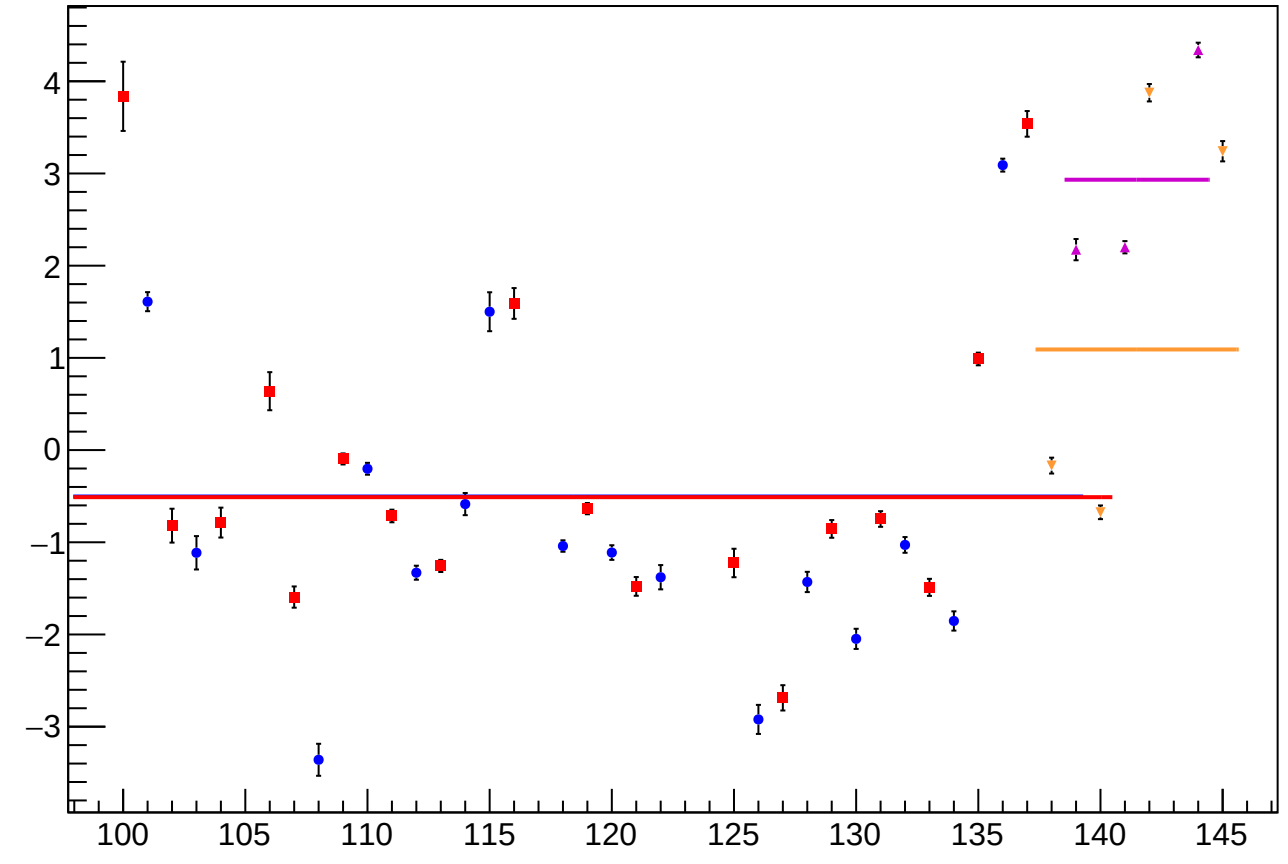
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -15.069+/-0.046 χ^2/NDF:7025.5/2

+ sign -1.084+/-0.020 χ^2/NDF: 189055.2/19

All: -1.117+/-0.014 χ^2/NDF: 380993.2/40

- sign -1.146+/-0.019 χ^2/NDF: 191932.9/20



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: 1.091+/-0.044 χ^2/NDF:2032.2/3

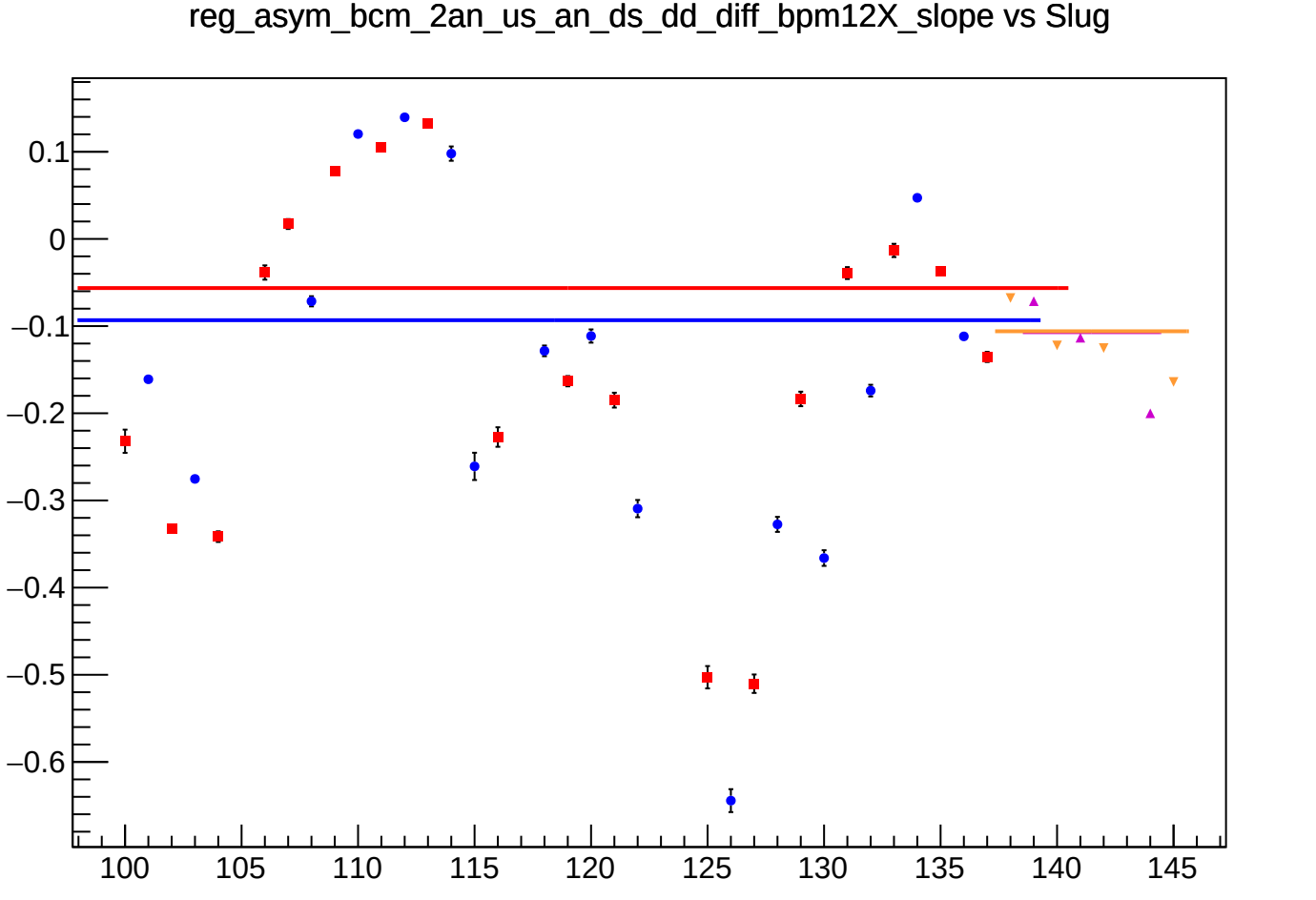
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 2.932+/-0.047 χ^2/NDF:477.9/2

\+ sign -0.148+/-0.021 χ^2/NDF: 7489.5/19

All: -0.004+/-0.014 χ^2/NDF: 14920.6/40

\- sign 0.128+/-0.020 χ^2/NDF: 7340.5/20



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.106+/-0.002 χ^2/NDF:381.6/3

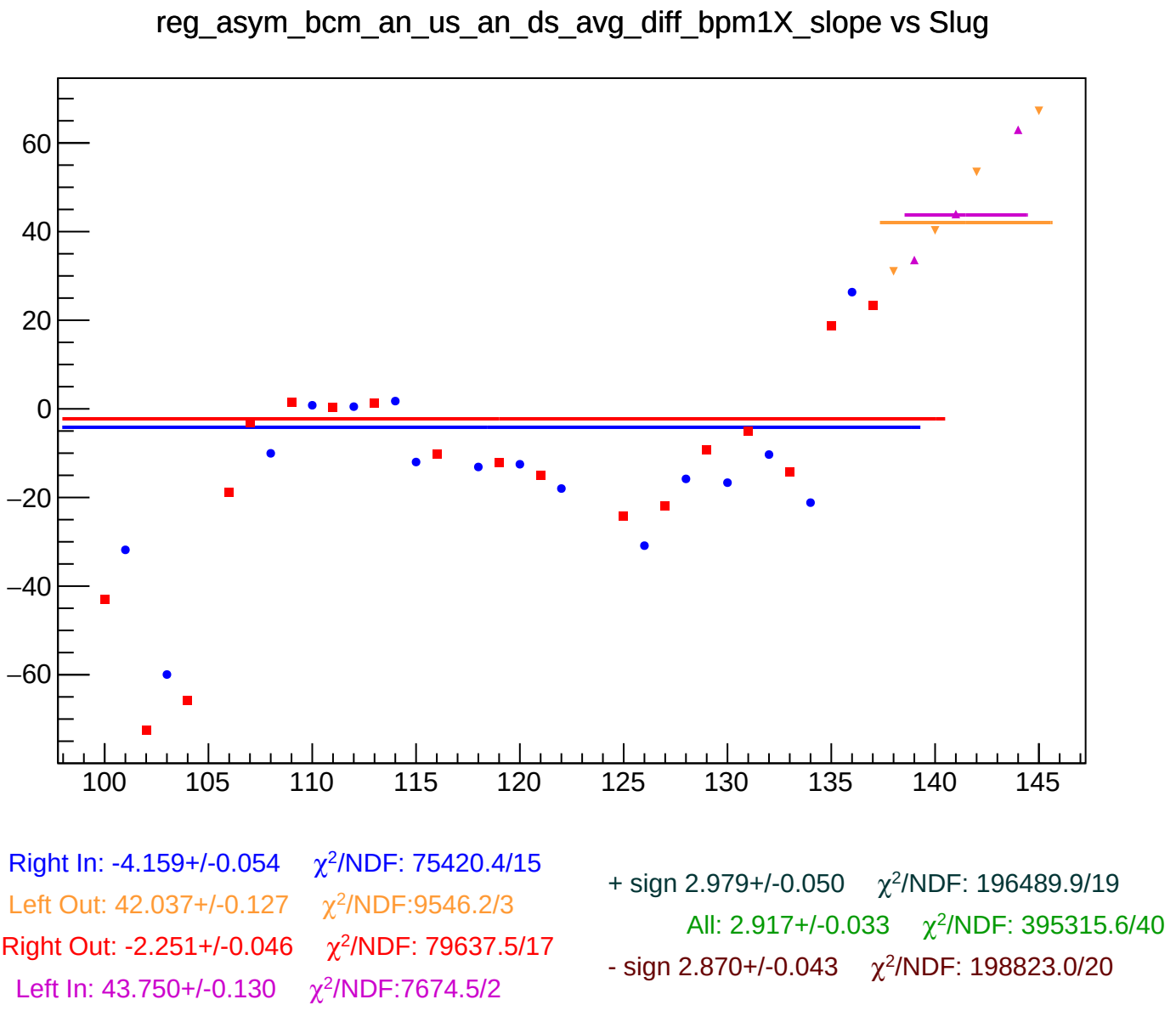
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

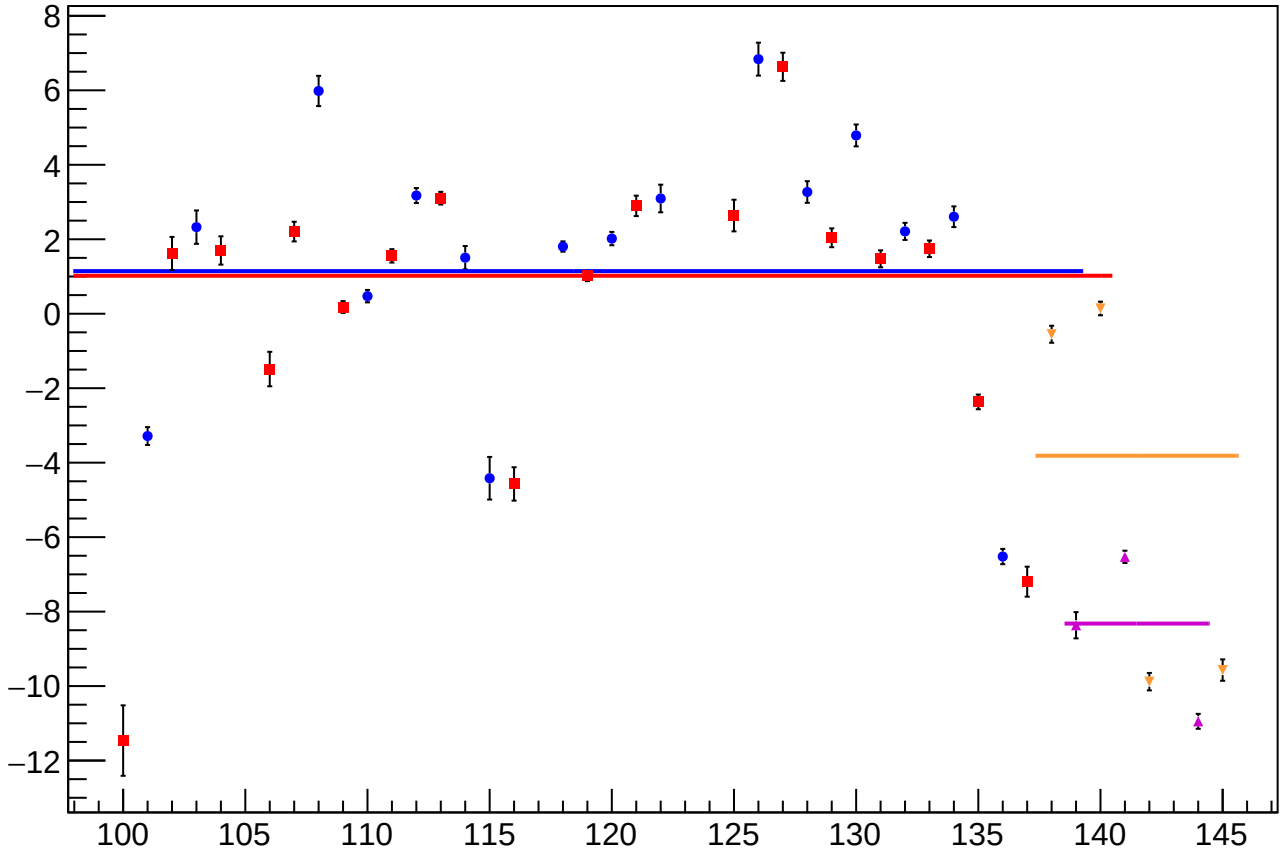
Left In: -0.107+/-0.002 χ^2/NDF:691.4/2

+ sign -0.098+/-0.001 χ^2/NDF: 12154.5/19

All: -0.085+/-0.001 χ^2/NDF: 28073.7/40

- sign -0.074+/-0.001 χ^2/NDF: 15676.6/20


reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug
60
40
20
0
−20
−40
−60
100
105
110
115
120
125
130
135
140
145
Right In: -4.159+/-0.054 χ²/NDF: 75420.4/15
Left Out: 42.037+/-0.127 χ²/NDF:9546.2/3
Right Out: -2.251+/-0.046 χ²/NDF: 79637.5/17
Left In: 43.750+/-0.130 χ²/NDF:7674.5/2
+ sign 2.979+/-0.050 χ²/NDF: 196489.9/19
All: 2.917+/-0.033 χ²/NDF: 395315.6/40
- sign 2.870+/-0.043 χ²/NDF: 198823.0/20



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -3.815+/-0.112 χ^2/NDF:1743.7/3

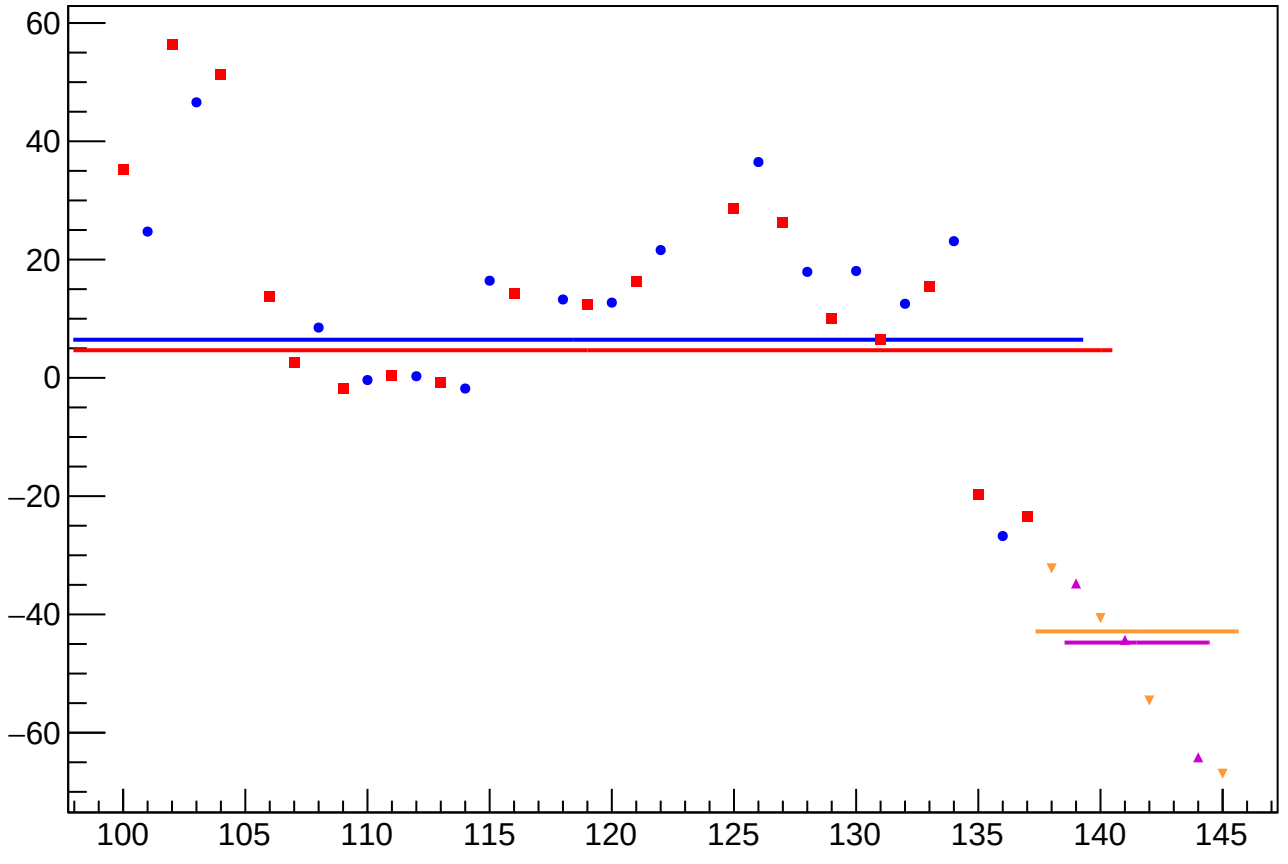
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -8.322+/-0.120 χ^2/NDF:288.6/2

+ sign 0.039+/-0.053 χ^2/NDF: 5854.9/19

All: -0.343+/-0.037 χ^2/NDF: 12775.0/40

- sign -0.705+/-0.052 χ^2/NDF: 6818.9/20



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -42.875+/-0.132 χ^2/NDF:8411.8/3

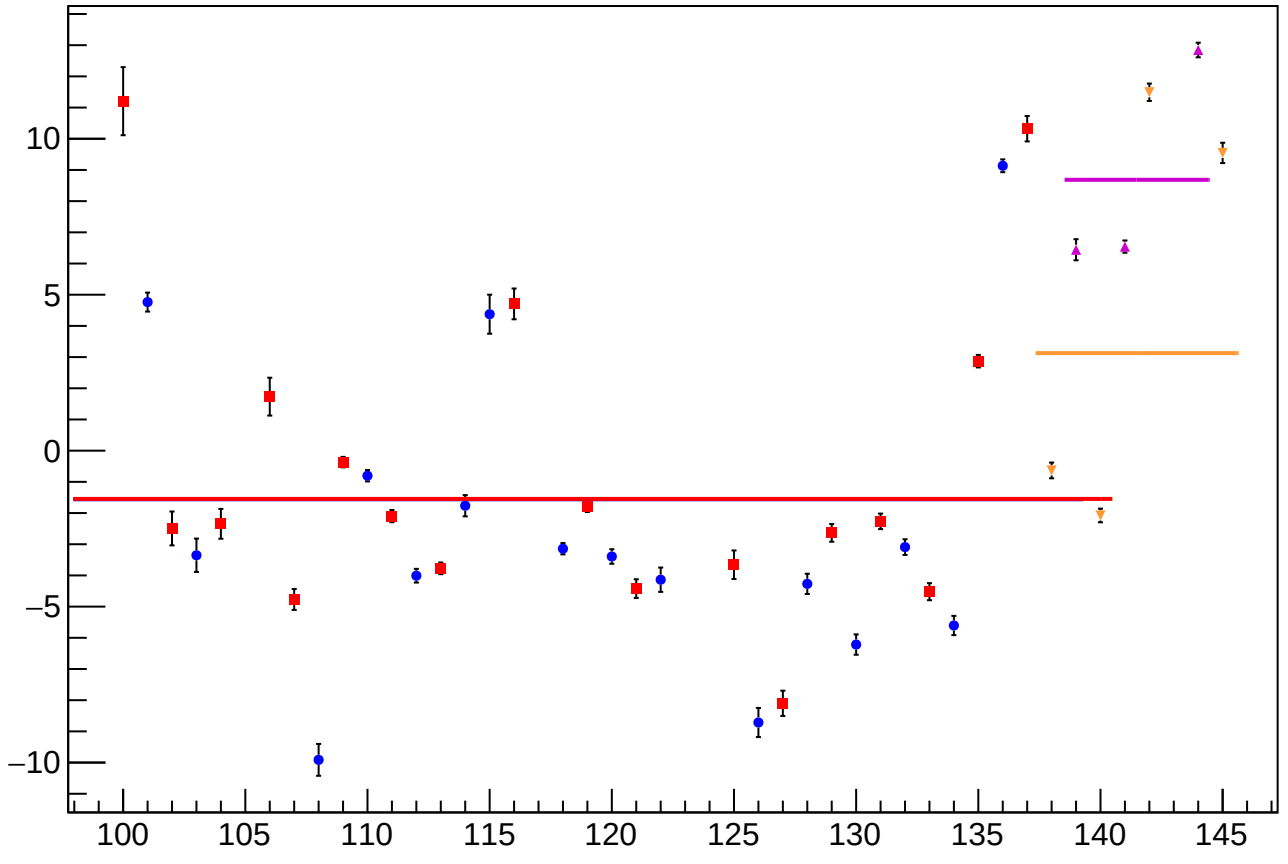
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -44.758+/-0.134 χ^2/NDF:7192.2/2

\+ sign -3.194+/-0.058 χ^2/NDF: 192183.6/19

All: -3.270+/-0.040 χ^2/NDF: 387449.5/40

\- sign -3.335+/-0.054 χ^2/NDF: 195262.8/20



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 3.127+/-0.130 χ^2/NDF:2076.1/3

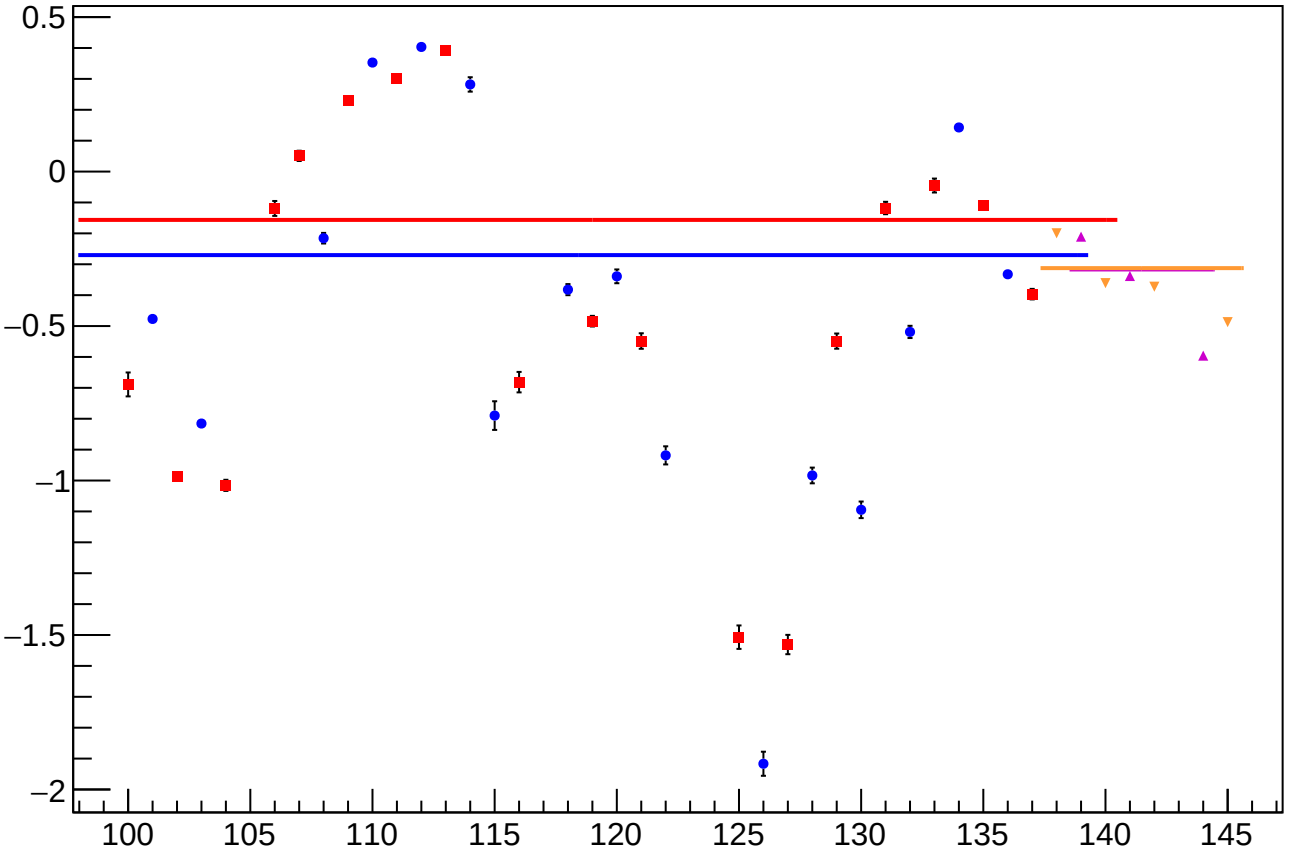
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 8.684+/-0.138 χ^2/NDF:476.9/2

+ sign -0.527+/-0.061 χ^2/NDF: 7627.8/19

All: -0.095+/-0.042 χ^2/NDF: 15206.5/40

- sign 0.298+/-0.058 χ^2/NDF: 7483.7/20



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.313+/-0.005 χ^2/NDF:392.6/3

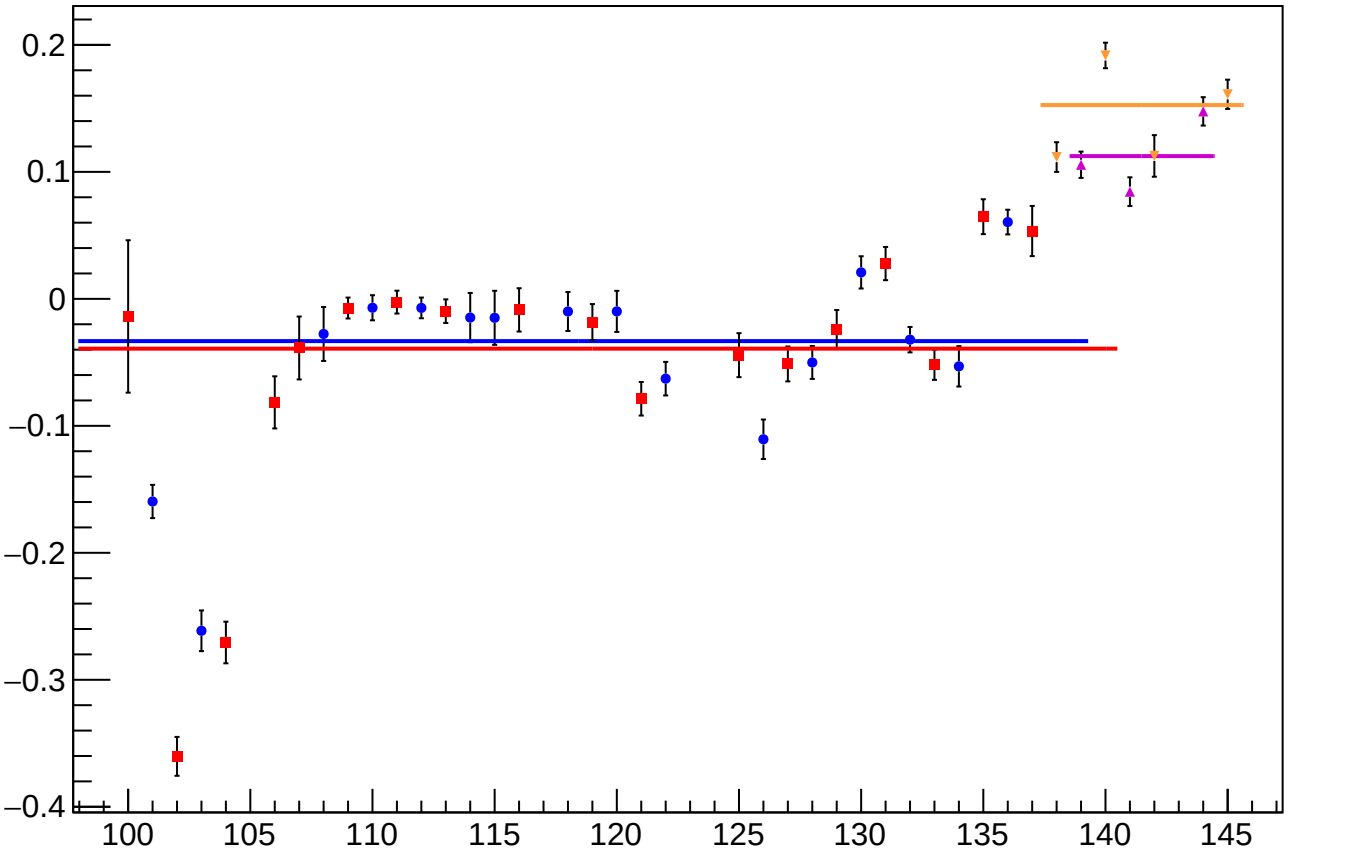
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.317+/-0.005 χ^2/NDF:712.7/2

+ sign -0.286+/-0.003 χ^2/NDF: 12528.4/19

All: -0.247+/-0.002 χ^2/NDF: 29165.5/40

- sign -0.212+/-0.003 χ^2/NDF: 16361.5/20



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

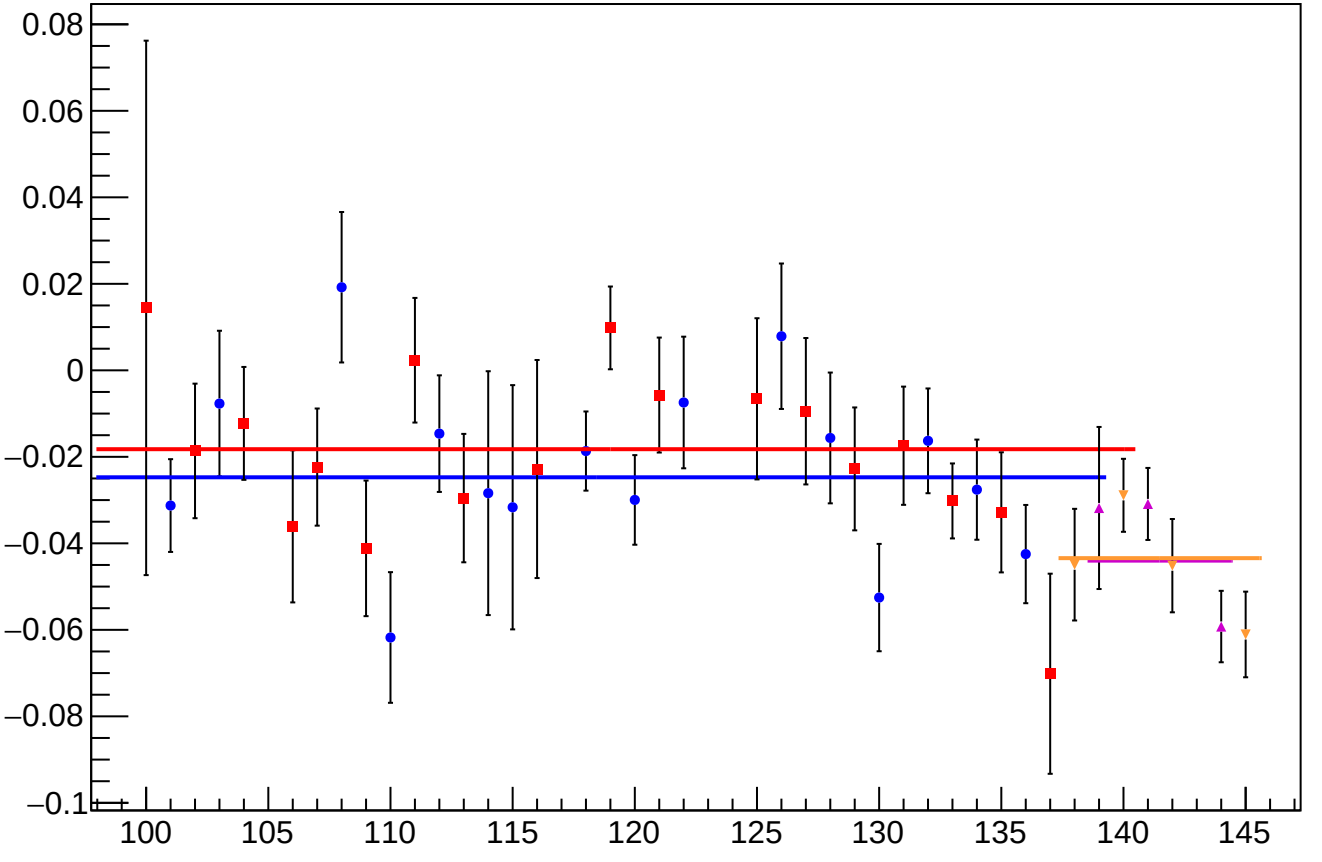
Left In: 0.112+/-0.006 χ^2/NDF:16.5/2

+ sign 0.009+/-0.003 χ^2/NDF: 1257.0/19

All: 0.000+/-0.002 χ^2/NDF: 2560.6/40

- sign -0.008+/-0.003 χ^2/NDF: 1284.7/20

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

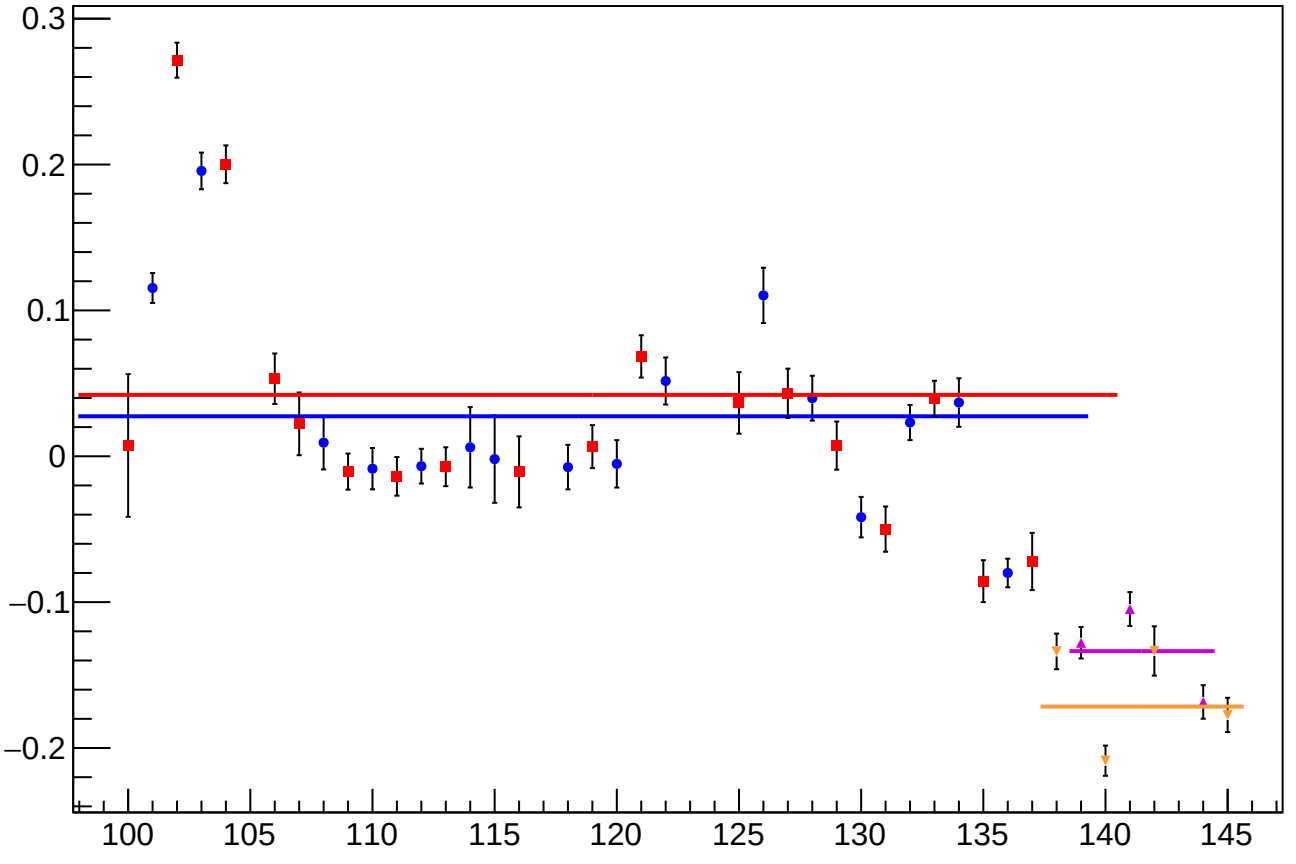
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.044+/-0.006 χ^2/NDF:6.3/2

+ sign -0.030+/-0.003 χ^2/NDF: 44.2/19

All: -0.028+/-0.002 χ^2/NDF: 92.4/40

- sign -0.025+/-0.003 χ^2/NDF: 46.5/20



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.172+/-0.006 χ^2/NDF:27.8/3

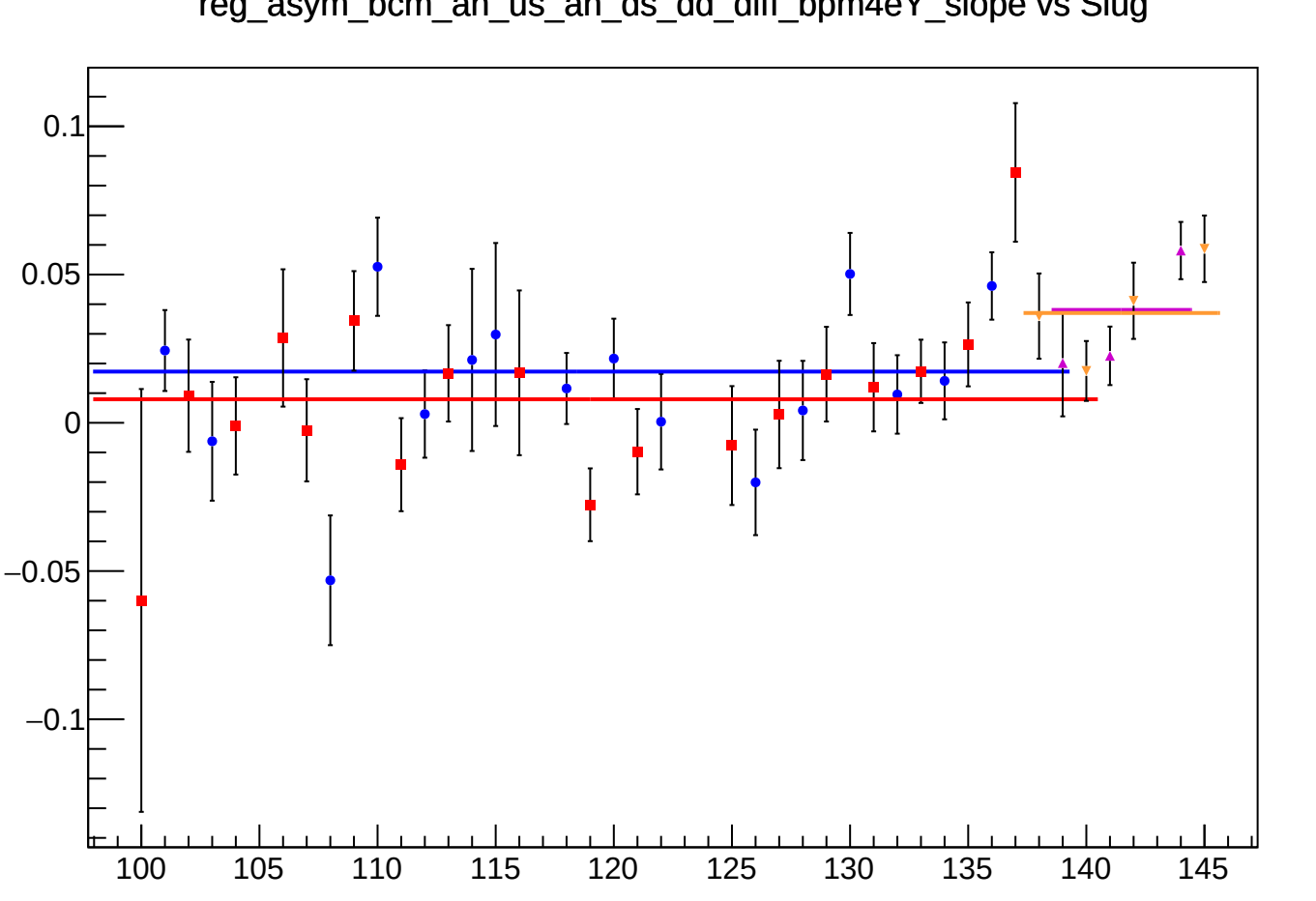
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.134+/-0.007 χ^2/NDF:15.6/2

\+ sign -0.023+/-0.003 χ^2/NDF: 1264.2/19

All: -0.012+/-0.002 χ^2/NDF: 2595.8/40

\- sign 0.000+/-0.003 χ^2/NDF: 1303.0/20



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.037+/-0.006 χ^2/NDF:7.6/3

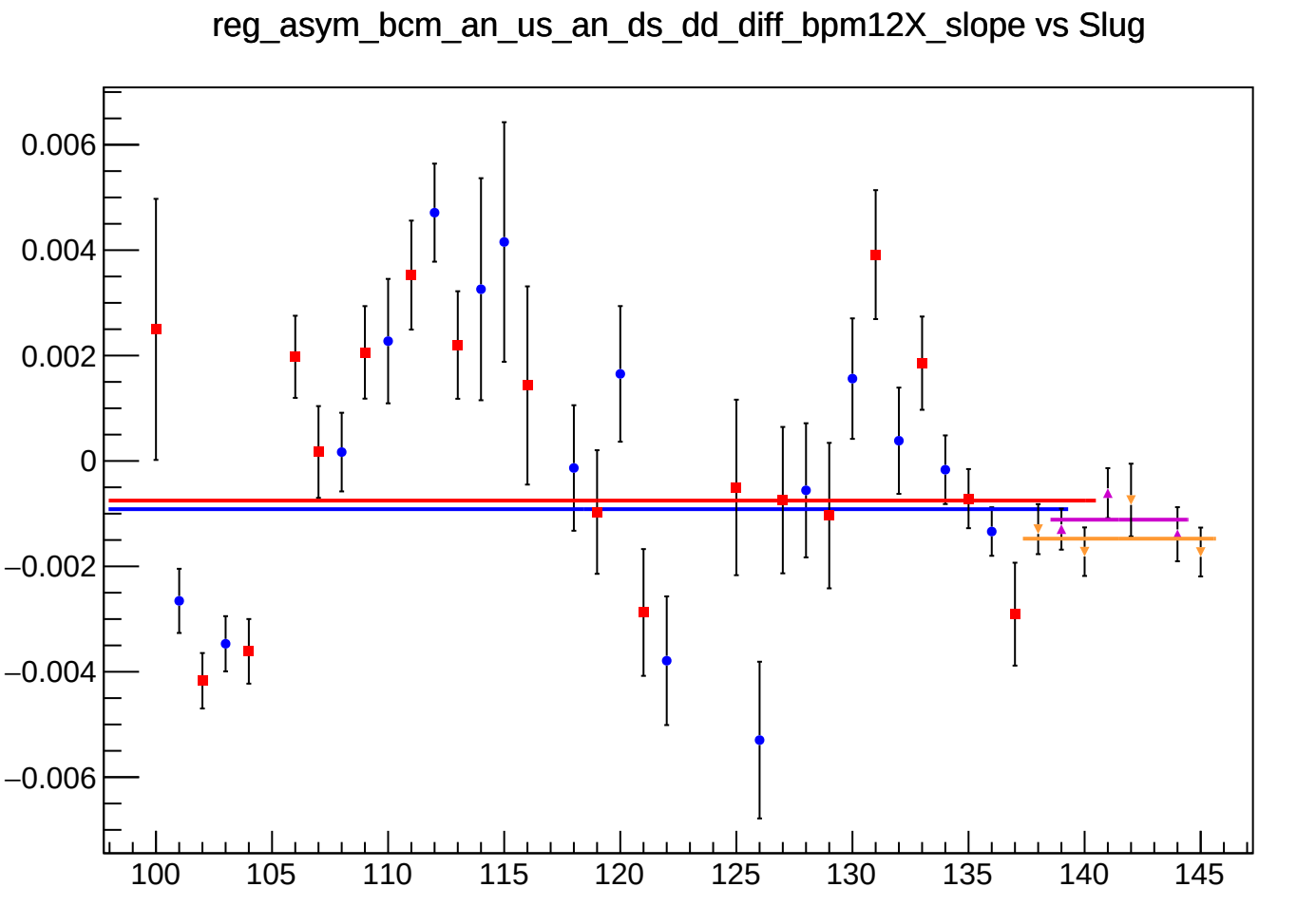
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.038+/-0.006 χ^2/NDF:7.8/2

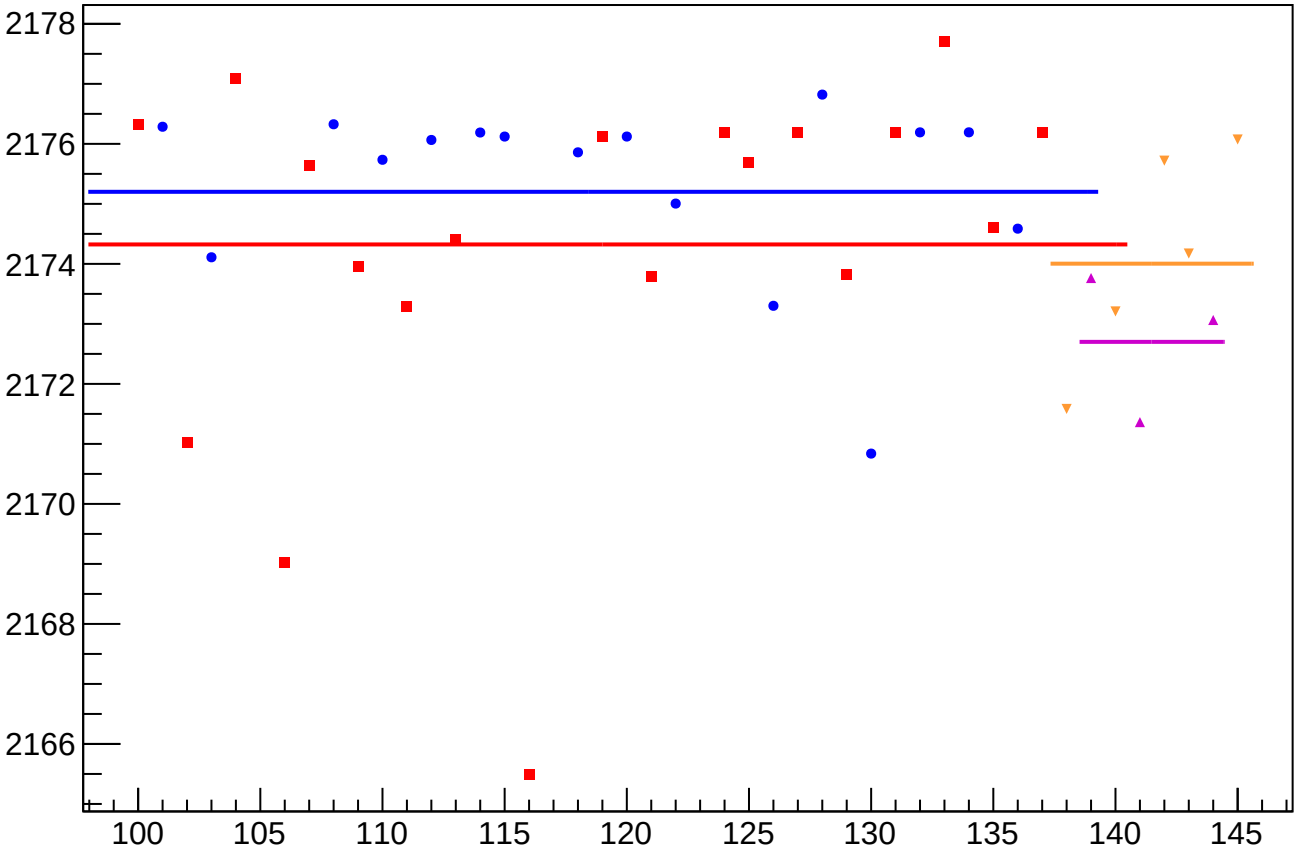
+ sign 0.023+/-0.003 χ^2/NDF: 52.1/19

All: 0.020+/-0.002 χ^2/NDF: 109.6/40

- sign 0.016+/-0.003 χ^2/NDF: 55.1/20


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
105
110
115
120
125
130
135
140
145
Right In: -0.001+/-0.000 χ²/NDF: 114.1/15
Left Out: -0.001+/-0.000 χ²/NDF:1.9/3
Right Out: -0.001+/-0.000 χ²/NDF: 147.6/17
Left In: -0.001+/-0.000 χ²/NDF:1.6/2
+ sign -0.001+/-0.000 χ²/NDF: 118.8/19
All: -0.001+/-0.000 χ²/NDF: 270.4/40
- sign -0.001+/-0.000 χ²/NDF: 150.4/20

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.003+/-0.000 χ^2/NDF:10245289551869720032139007586467 84.0/4

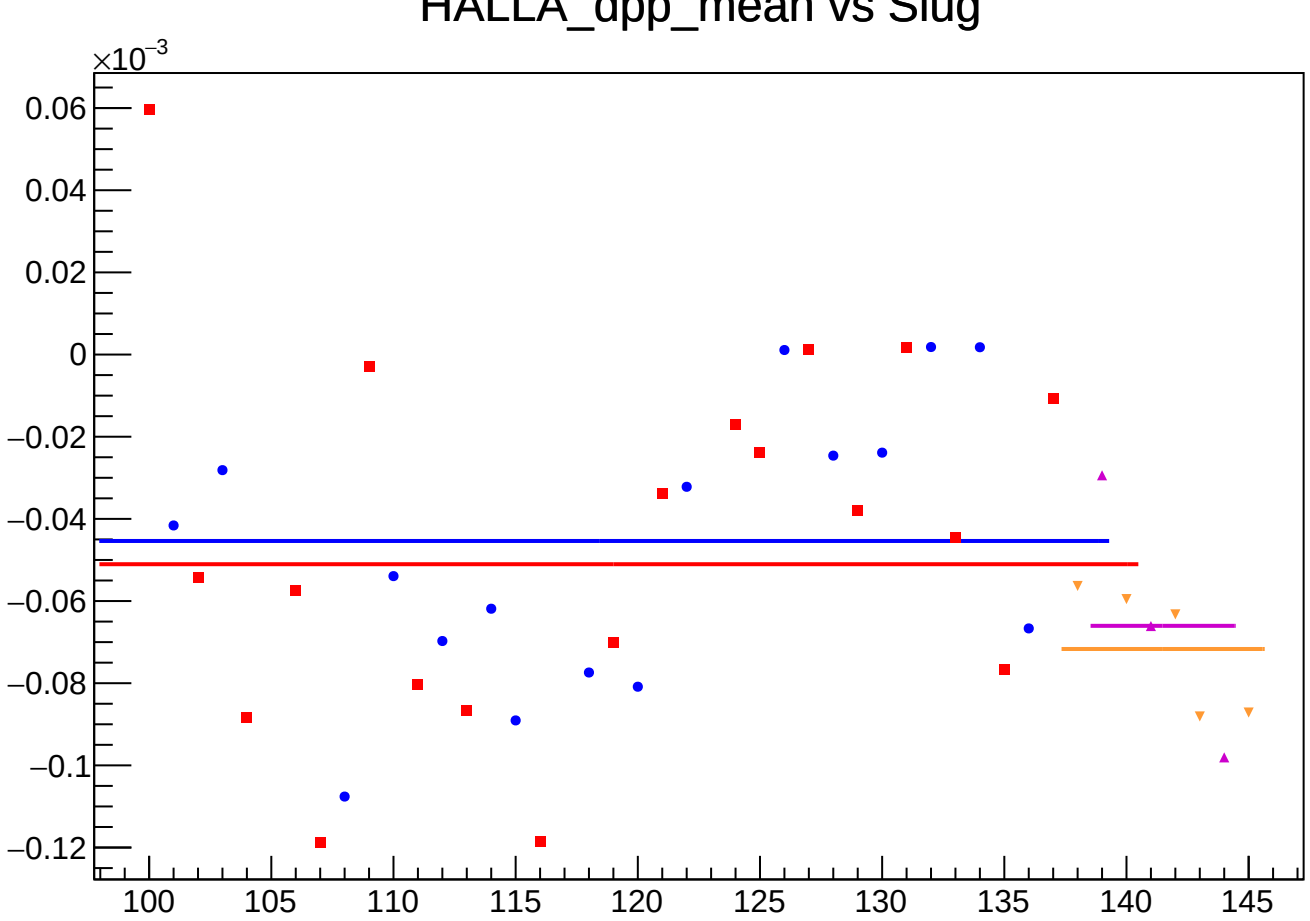
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2172.700+/-0.000 χ^2/NDF:27416283048785912530261074824396 8.0/2

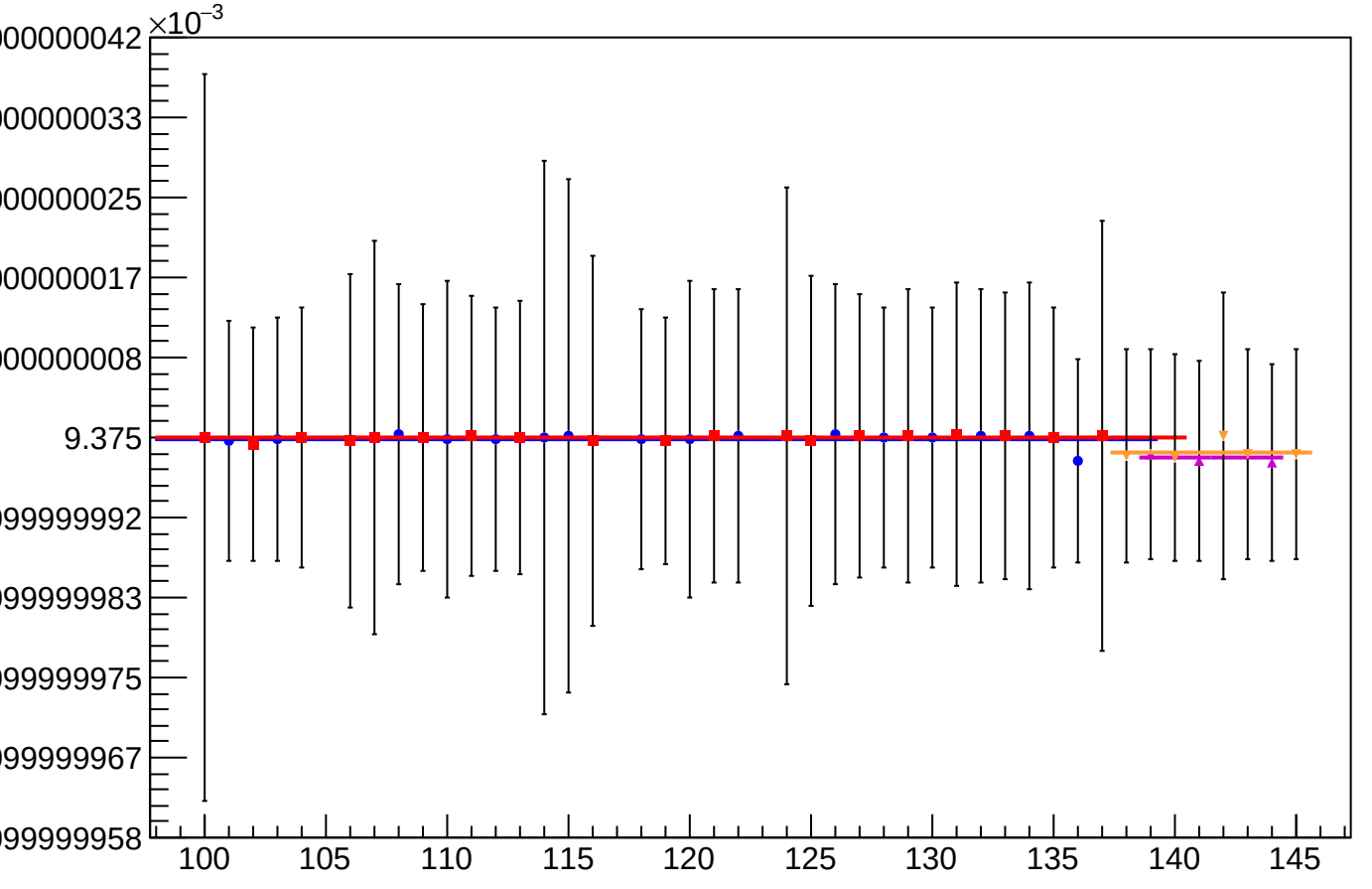
+ sign 2174.794+/-0.000 χ^2/NDF: 3151086521858

All: 2174.363+/-0.000 χ^2/NDF: 9932014387

- sign 2173.896+/-0.000 χ^2/NDF: 6346316859923


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
105
110
115
120
125
130
135
140
145
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: 1011955910720647101153280.0/18
Left In: -0.000+/-0.000 χ²/NDF:2112250239967578470481920.0/2
+ sign -0.000+/-0.000 χ²/NDF: 9649277730411903
All: -0.000+/-0.000 χ²/NDF: 2233594611120
- sign -0.000+/-0.000 χ²/NDF: 1268417067565828

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

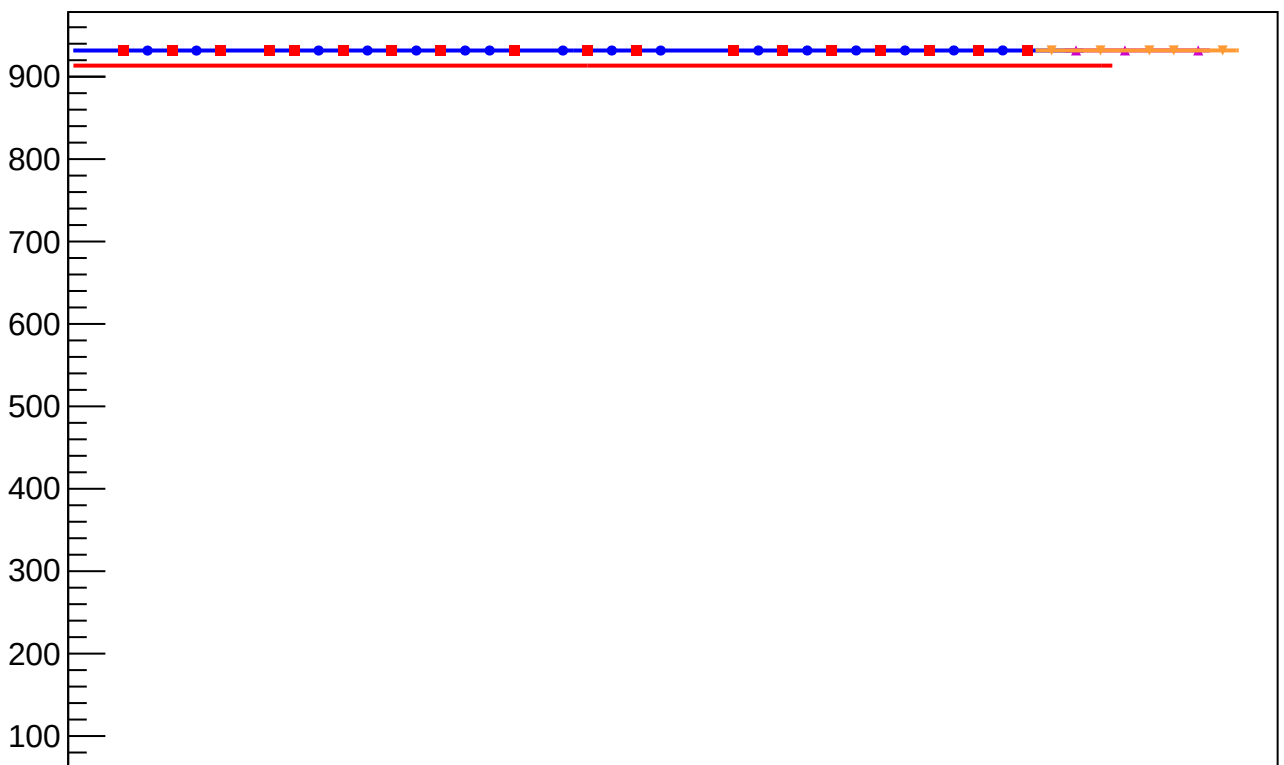
Left In: 0.009+/-0.000 χ^2/NDF:0.0/2

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/42

- sign 0.009+/-0.000 χ^2/NDF: 0.1/21

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.802+/-0.000 χ^2/NDF: 516345971633558

Left Out: 931.865+/-0.000 χ^2/NDF:954407444165110595766636833792.0/4

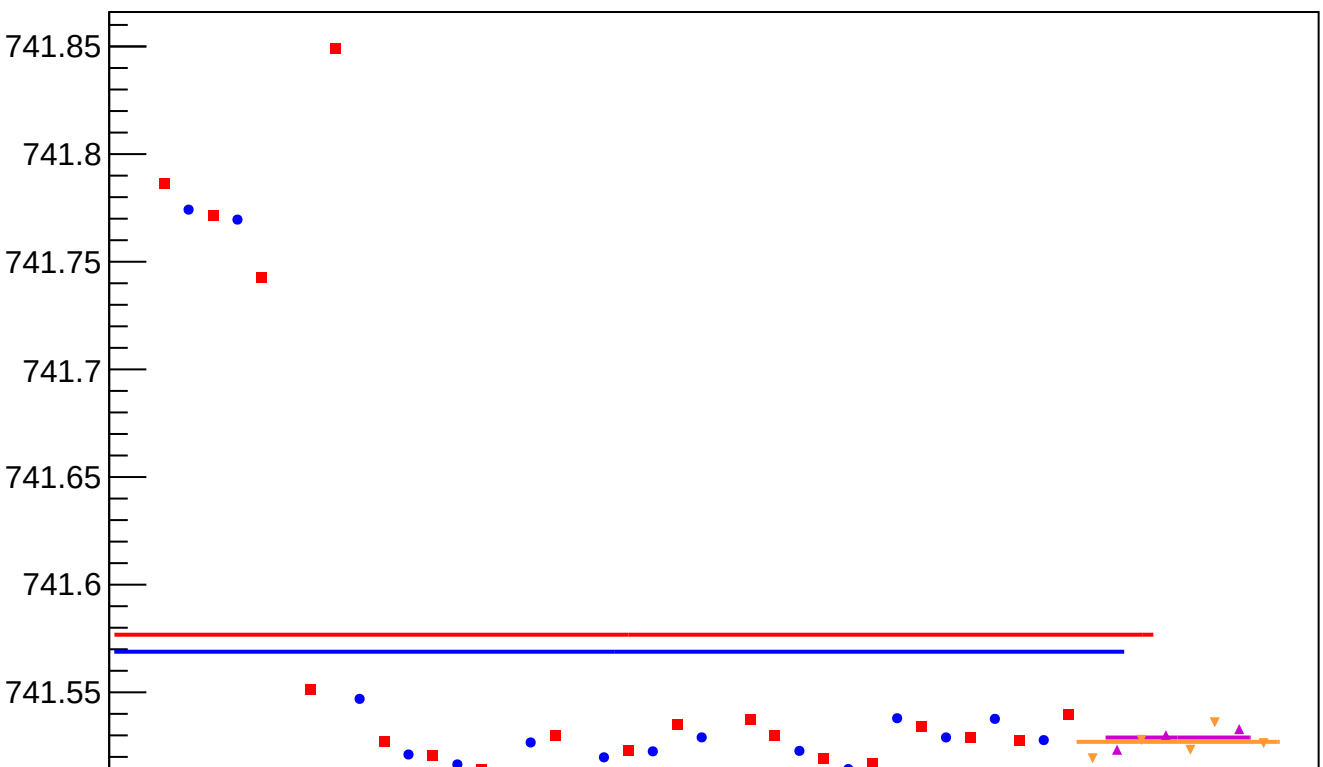
All: 925.321+/-0.000 χ^2/NDF: 12932291503

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 918.302+/-0.000 χ^2/NDF: 128341170462093

Left In: 931.869+/-0.000 χ^2/NDF:433965790282951012378895974 4.0/2

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

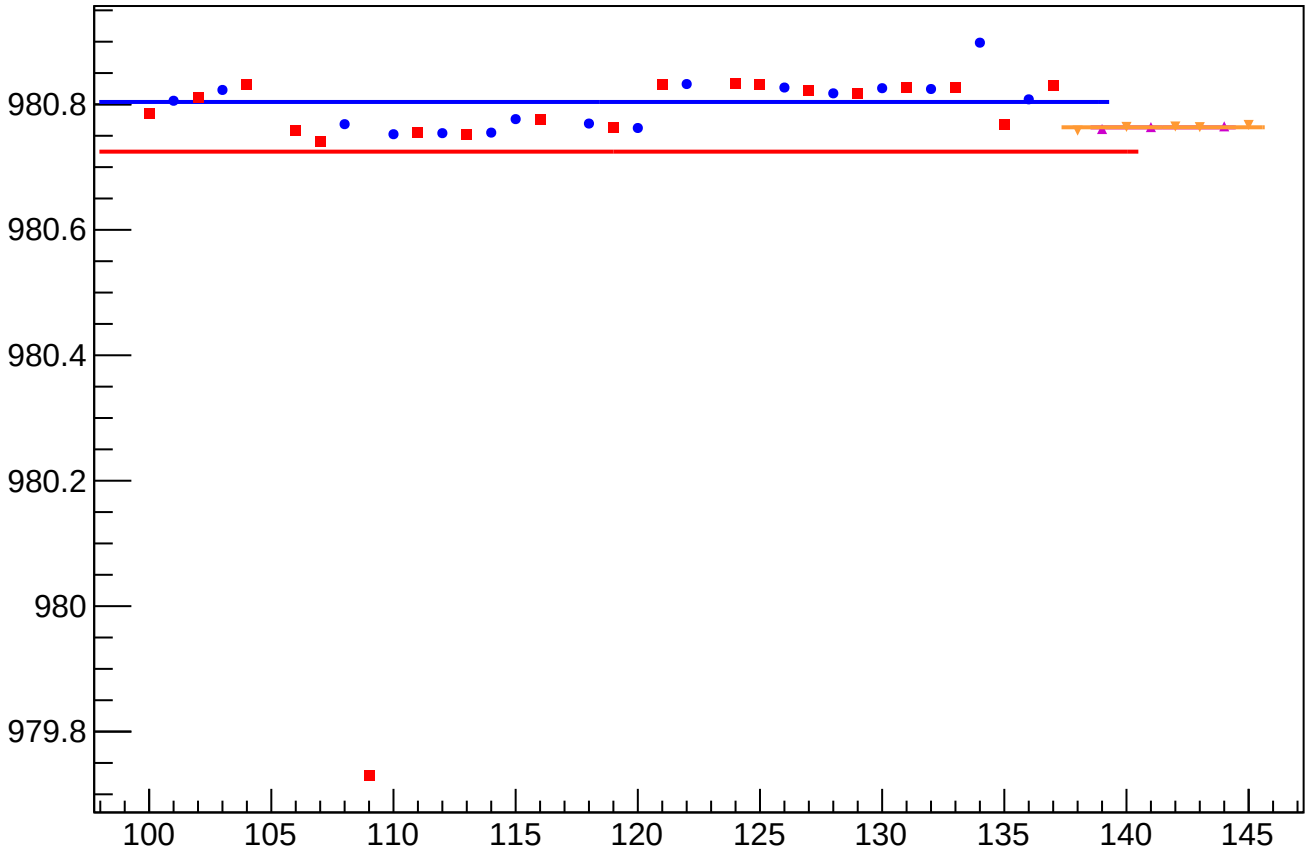
Left In: 741.529+/-0.000 χ^2/NDF:426145427694860000593077862 4.0/2

+ sign 741.555+/-0.000 χ^2/NDF: 68862194643174 2

All: 741.559+/-0.000 χ^2/NDF: 150902706972

- sign 741.564+/-0.000 χ^2/NDF: 815512212484767

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

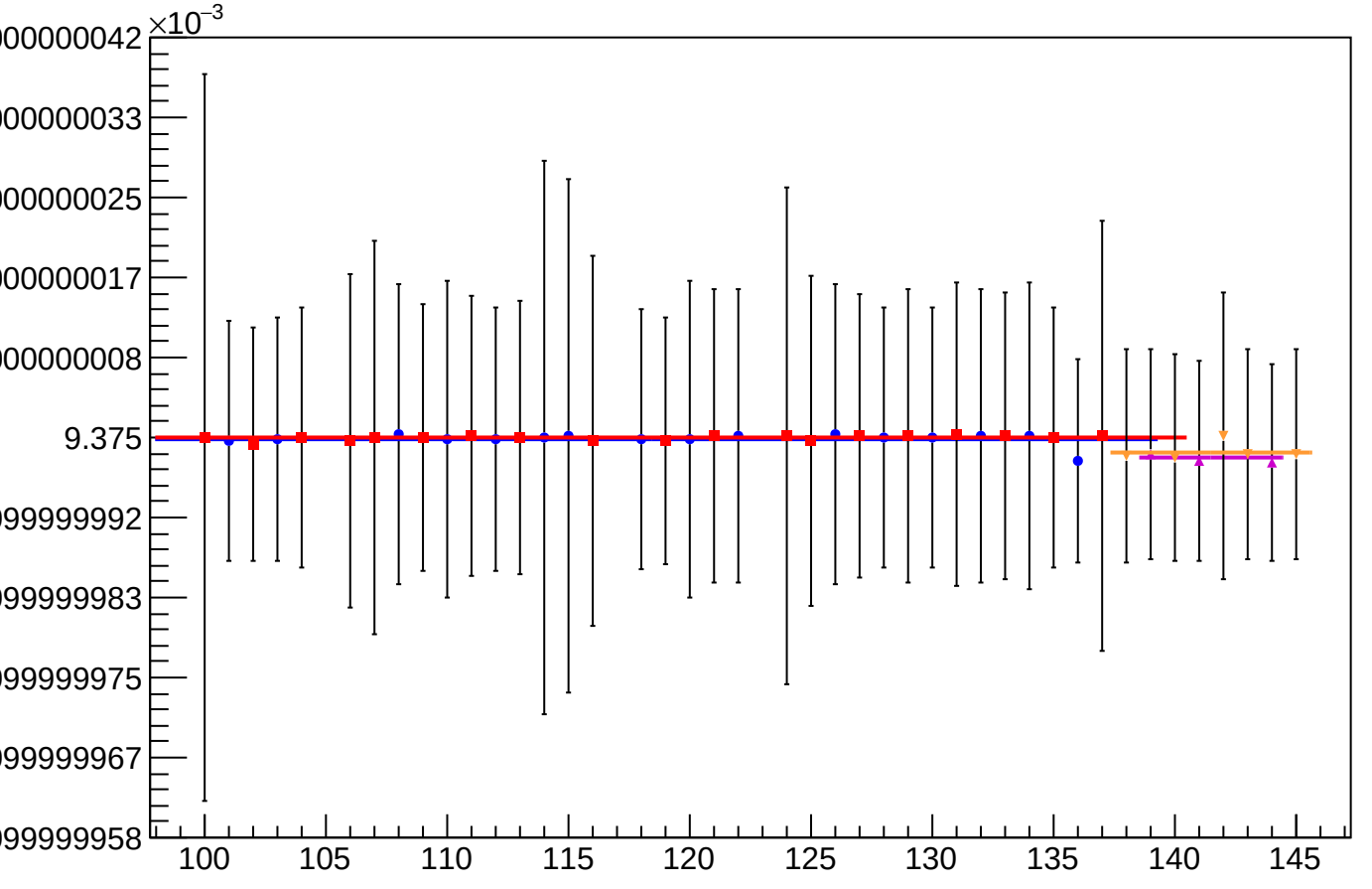
Left In: 980.763+/-0.000 χ^2/NDF:859389189379556047759343616.0/2

+ sign 980.790+/-0.000 χ^2/NDF: 134692343094232

All: 980.764+/-0.000 χ^2/NDF: 593371203374

- sign 980.735+/-0.000 χ^2/NDF: 563414191823015

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

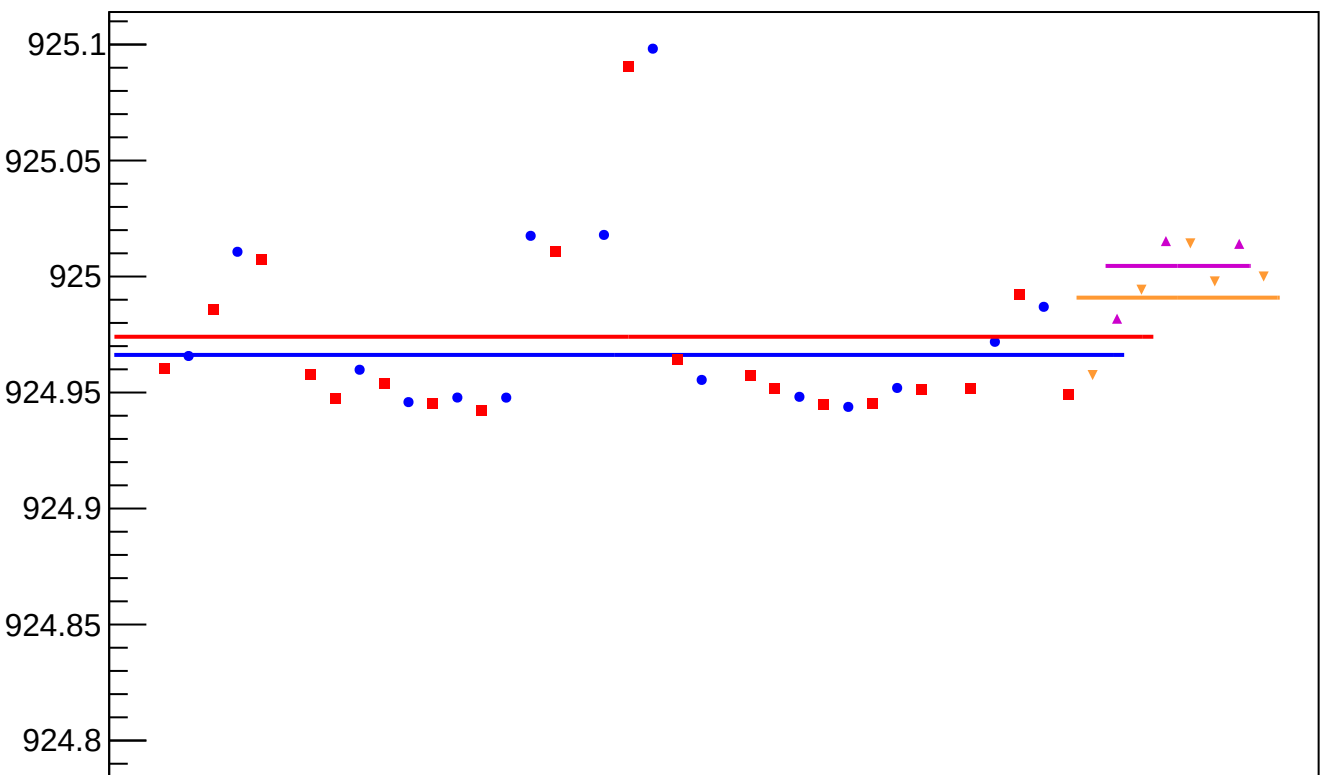
Left In: 0.009+/-0.000 χ^2/NDF:0.0/2

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/42

- sign 0.009+/-0.000 χ^2/NDF: 0.1/21

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:1269318525708782671149389578 24.0/4

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183 2064.0/18

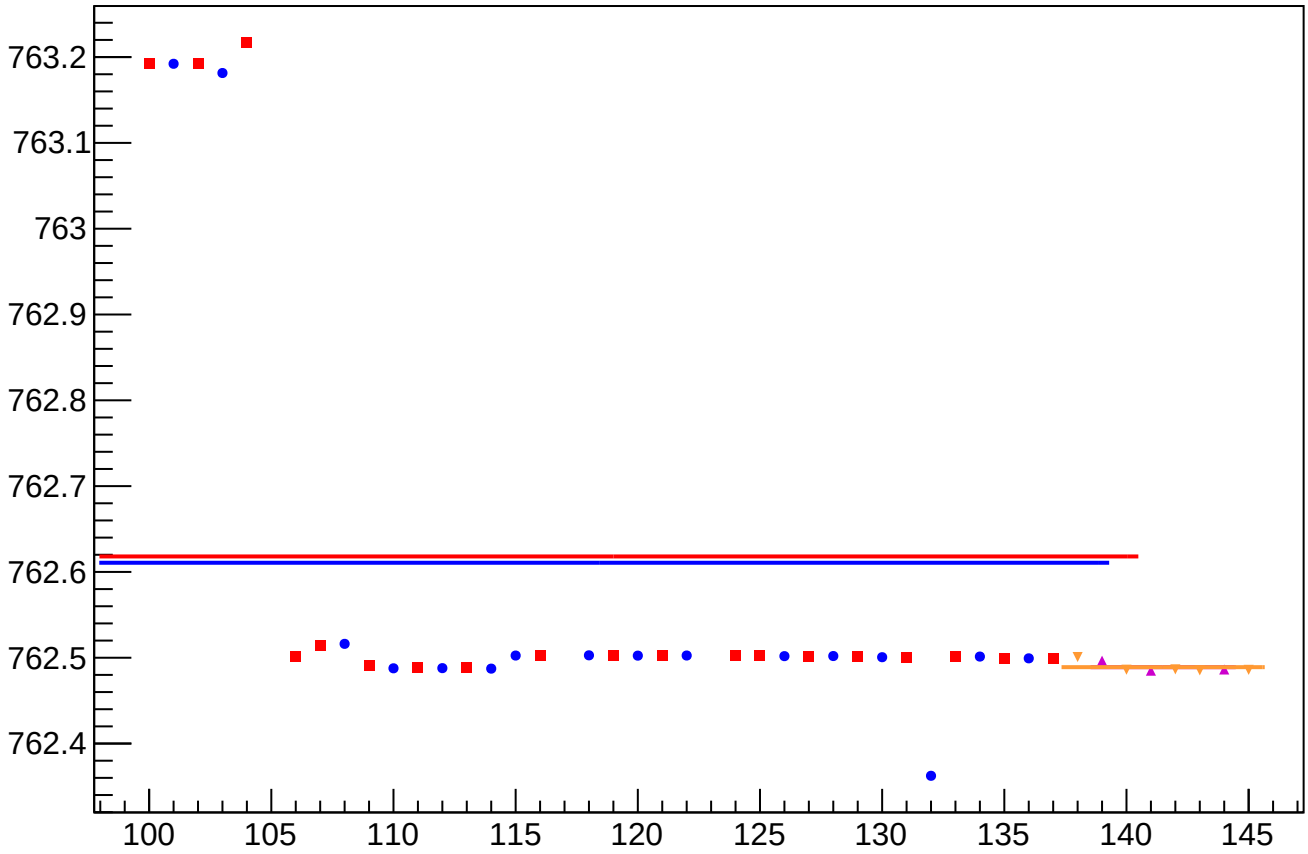
Left In: 925.005+/-0.000 χ^2/NDF:628200033317452715087091466 24.0/2

+ sign 924.975+/-0.000 χ^2/NDF: 282461908385040

All: 924.978+/-0.000 χ^2/NDF: 434706552911

- sign 924.982+/-0.000 χ^2/NDF: 149221547650231

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

+ sign 762.569+/-0.000 χ^2/NDF: 559008905491754

Left Out: 762.489+/-0.000 χ^2/NDF:1434655491817232763288603852 8.0/4

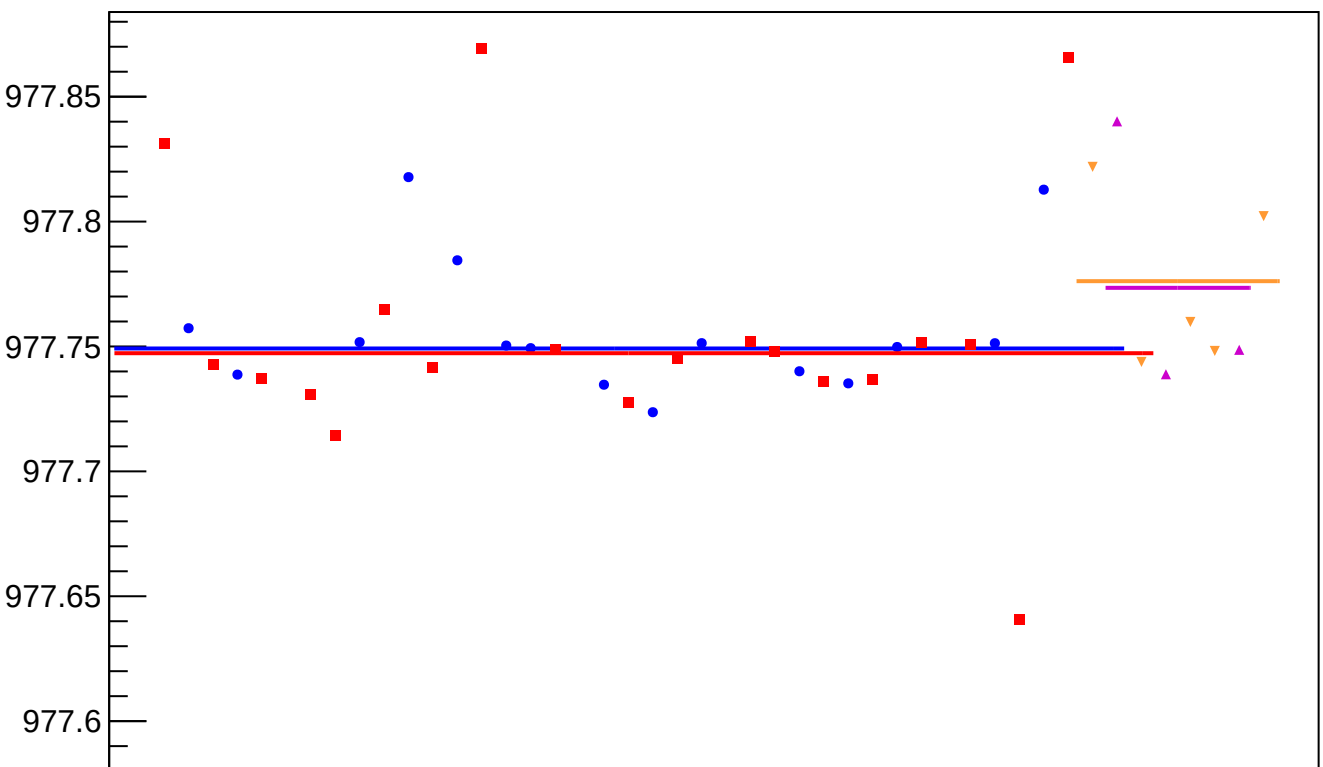
All: 762.576+/-0.000 χ^2/NDF: 11250561891

Right Out: 762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374 8864.0/18

- sign 762.584+/-0.000 χ^2/NDF: 564889310574372

Left In: 762.489+/-0.000 χ^2/NDF:702366001595765299588209049 6.0/2

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

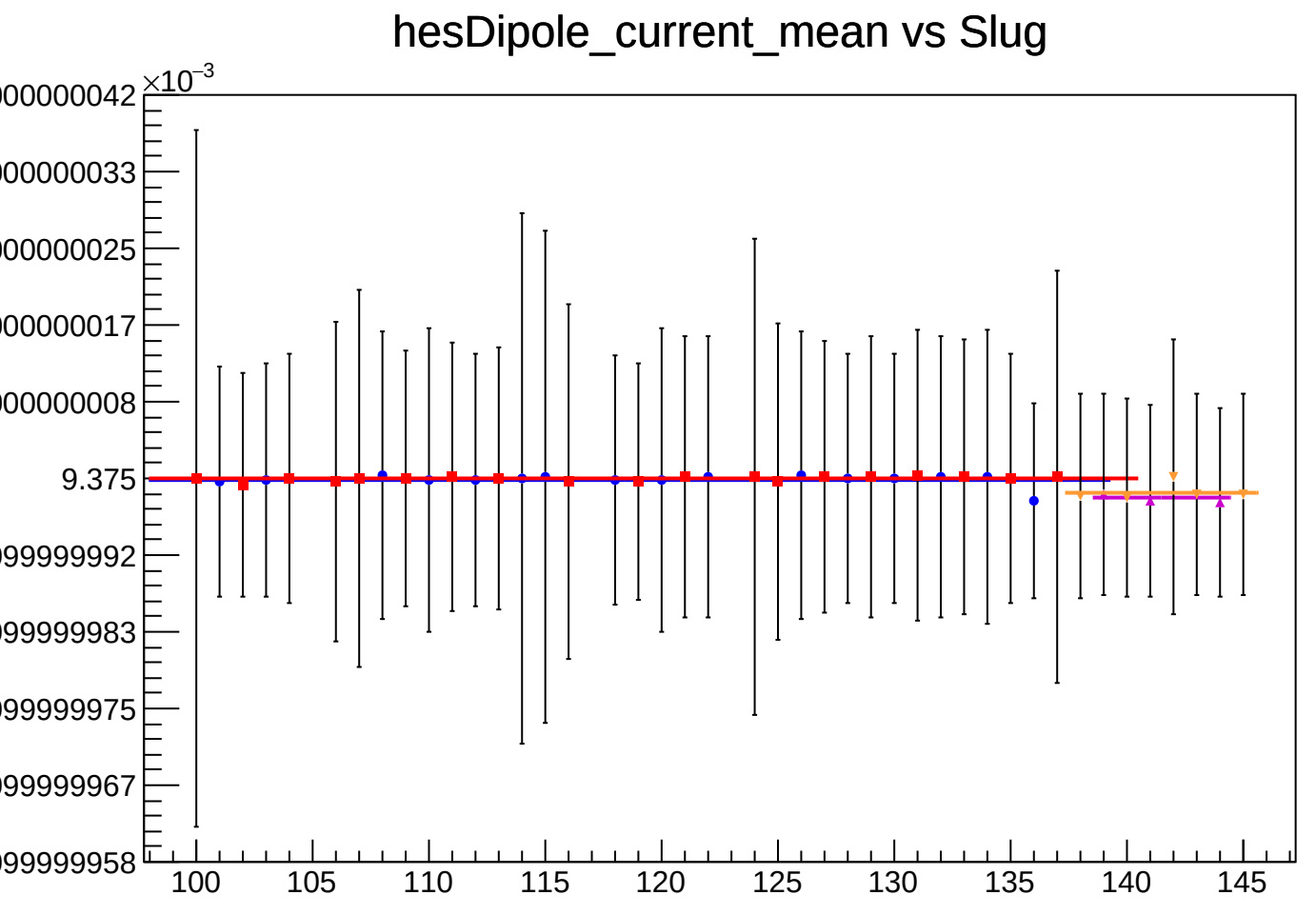
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: 977.773+/-0.000 χ^2/NDF:54367464477098981450588356608 0.0/2

+ sign 977.758+/-0.000 χ^2/NDF: 25373931382518

All: 977.756+/-0.000 χ^2/NDF: 5010263370

- sign 977.754+/-0.000 χ^2/NDF: 24636205493832



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

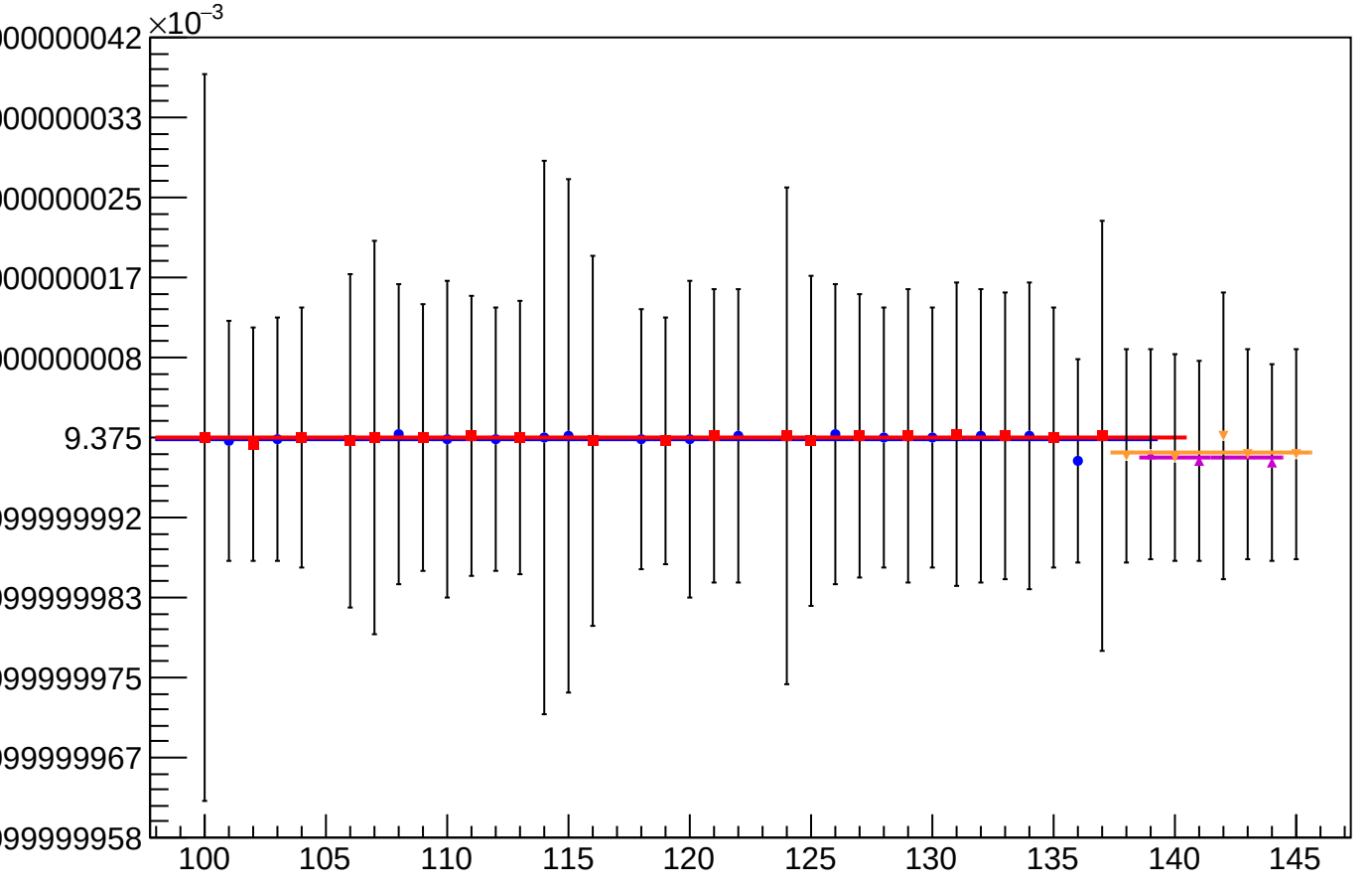
Left In: 0.009+/-0.000 χ^2/NDF:0.0/2

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/42

- sign 0.009+/-0.000 χ^2/NDF: 0.1/21

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

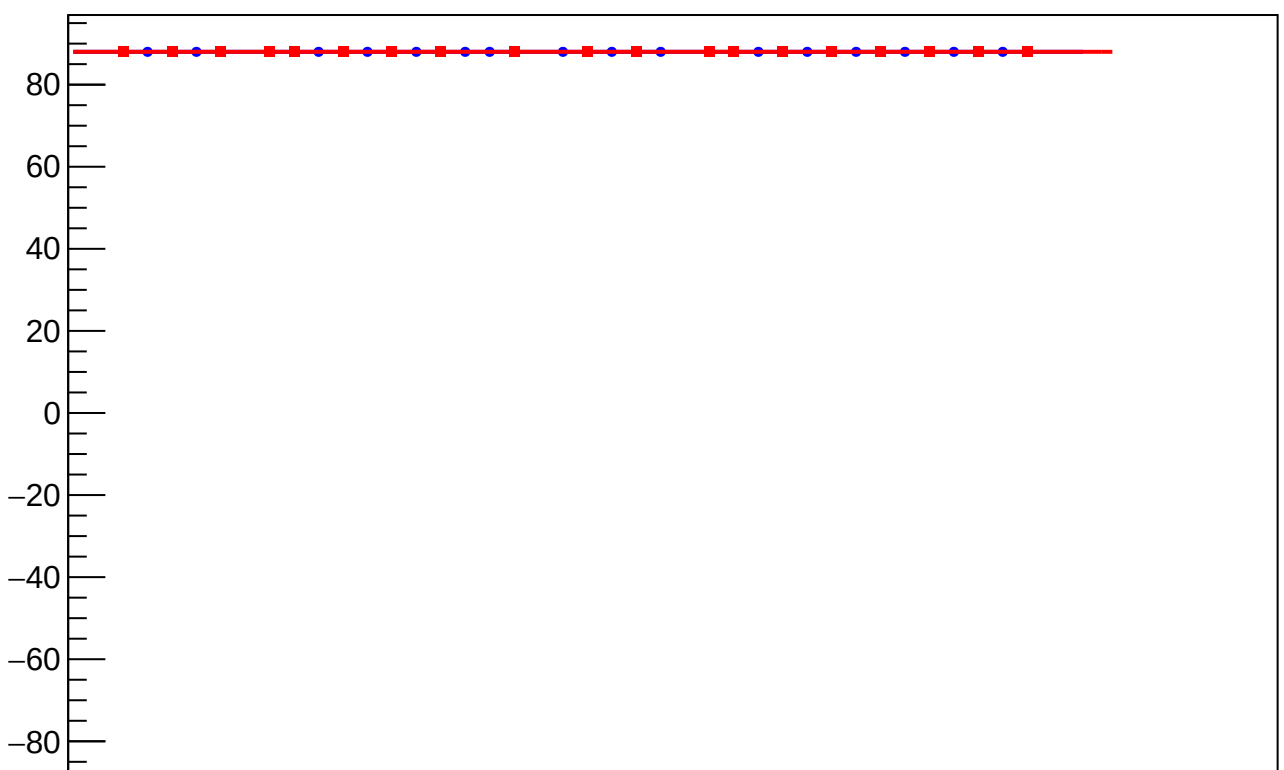
Left In: 0.009+/-0.000 χ^2/NDF:0.0/2

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/42

- sign 0.009+/-0.000 χ^2/NDF: 0.1/21

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

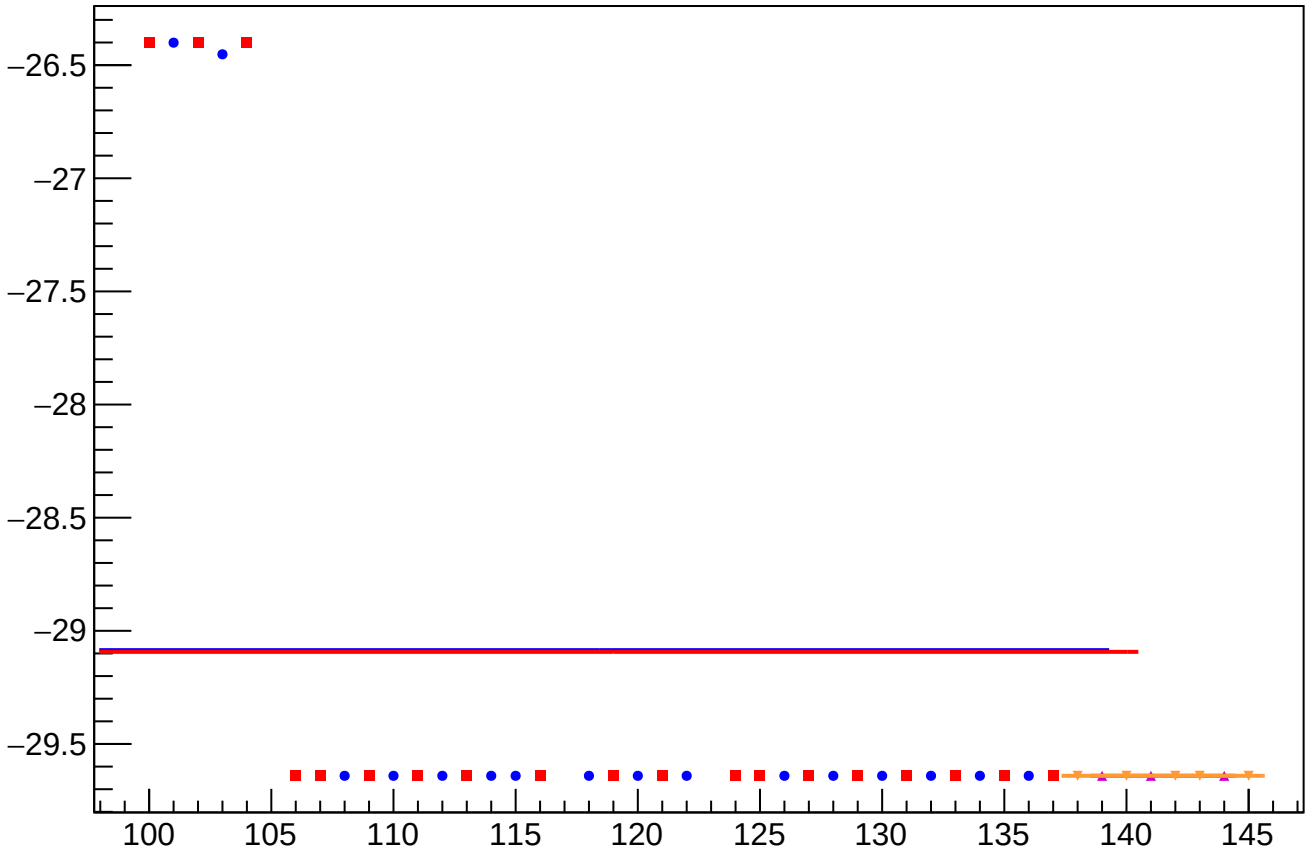
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360.0/18

Left In: -90.599+/-0.000 χ^2/NDF:385317.5/2

+ sign 27.353+/-0.000 χ^2/NDF: 8026260218502663

All: 33.875+/-0.000 χ^2/NDF: 145393076430

- sign 40.939+/-0.000 χ^2/NDF: 6413623947313073



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:10753.8/2

+ sign -29.274+/-0.000 χ^2/NDF: 117195888953400

All: -29.256+/-0.000 χ^2/NDF: 235825448325

- sign -29.237+/-0.000 χ^2/NDF: 118557016679537

Right In: 1473.467+/-0.000 χ^2/NDF: 106894194860706176878485793704771584.0/15

Left Out: 1467.979+/-0.000 χ^2/NDF:209690285.3/4

Right Out: 1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

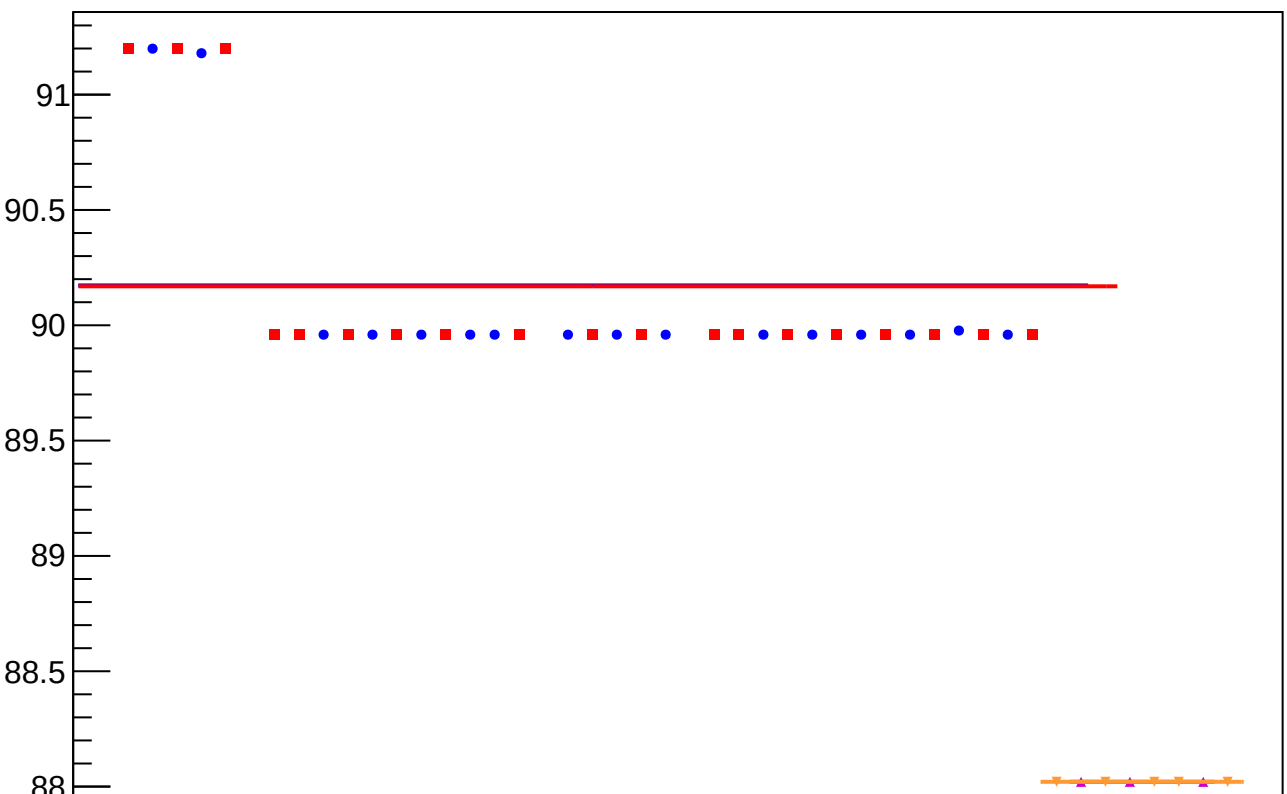
Left In: 1467.979+/-0.000 χ^2/NDF:43426982.2/2

+ sign 1471.604+/-0.000 χ^2/NDF: 11447302465184

All: 1471.778+/-0.000 χ^2/NDF: 2303464106

- sign 1471.967+/-0.000 χ^2/NDF: 11580252869110

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

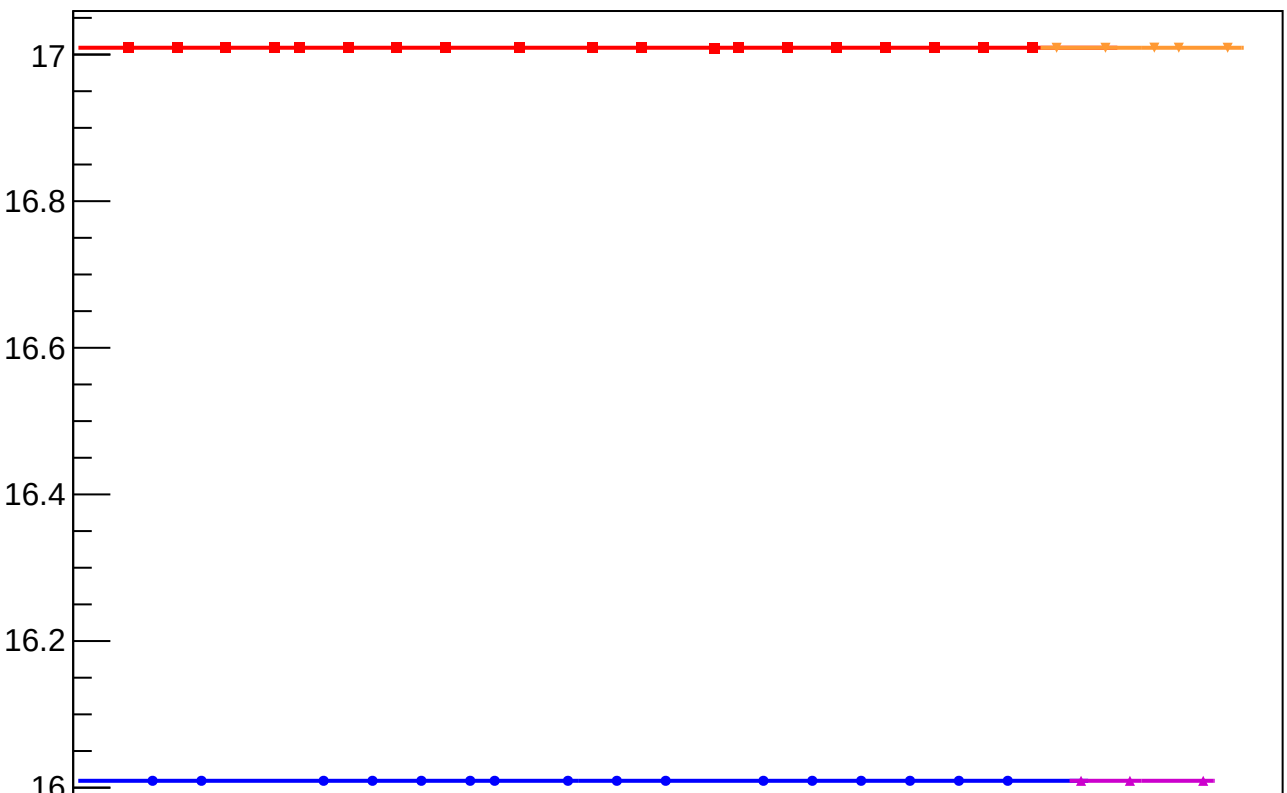
Left In: 88.021+/-0.000 χ^2/NDF:266571.9/2

+ sign 89.442+/-0.000 χ^2/NDF: 1325361209425711

All: 89.519+/-0.000 χ^2/NDF: 2431999318546

- sign 89.603+/-0.000 χ^2/NDF: 1092697896537917

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:9720059497836475140014080.0/4

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

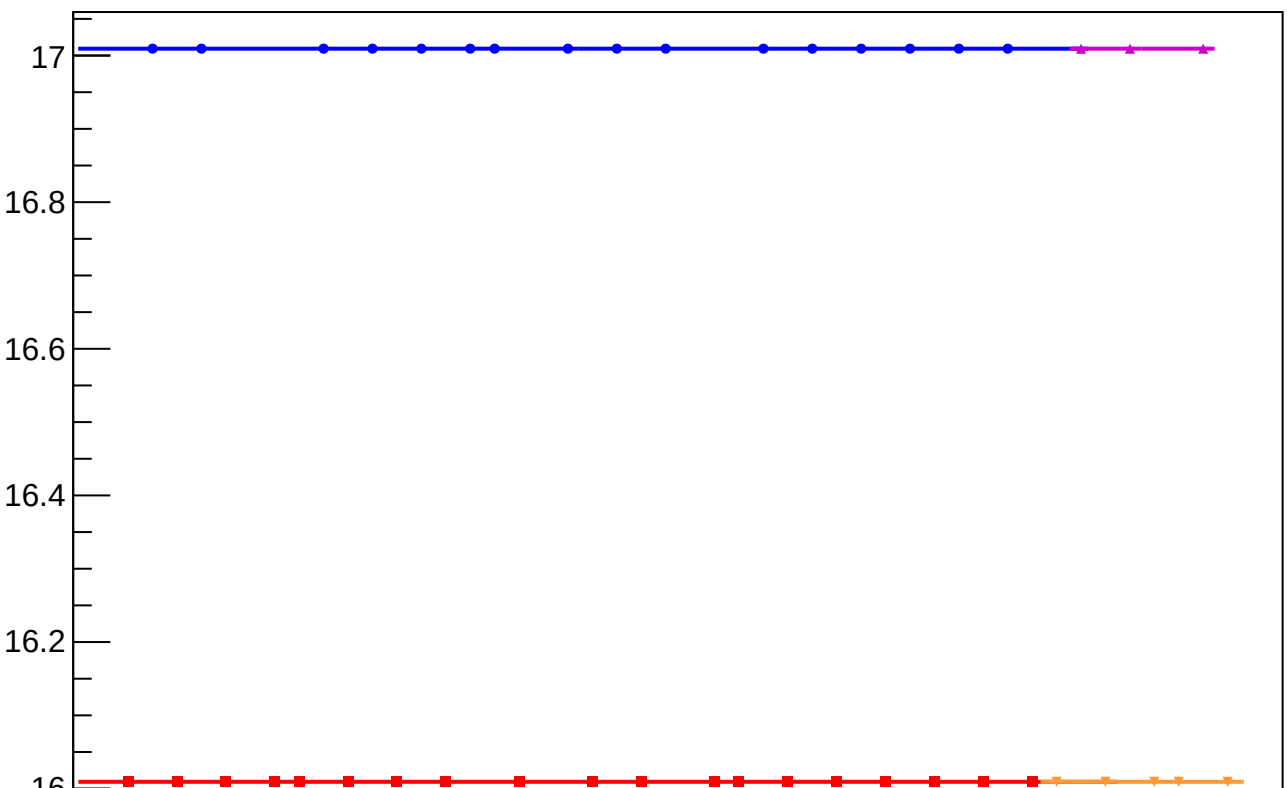
Left In: 16.009+/-0.000 χ^2/NDF:24385.3/2

+ sign 16.338+/-0.000 χ^2/NDF: 2303584496967838

All: 16.528+/-0.000 χ^2/NDF: 498174369109

- sign 16.738+/-0.000 χ^2/NDF: 1879724128845364

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

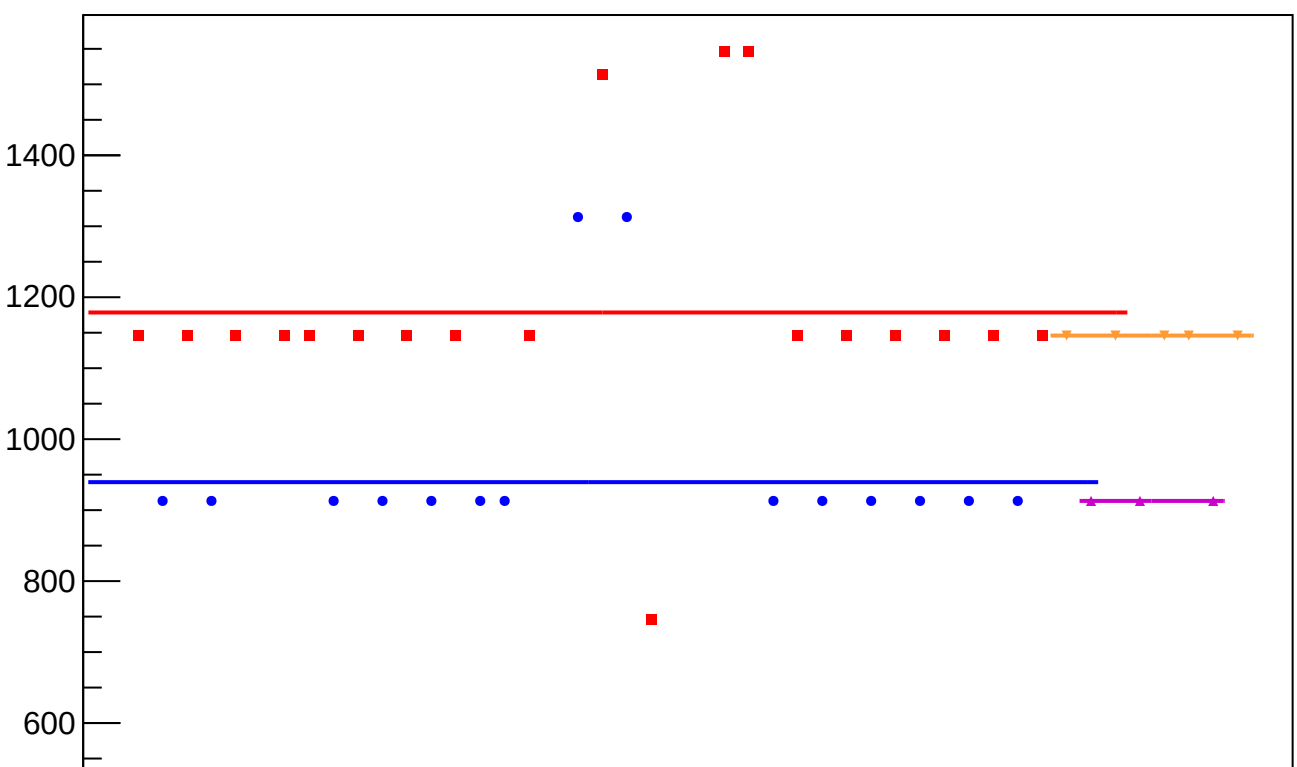
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:2385.5/2

+ sign 16.665+/-0.000 χ^2/NDF: 2437479147358642

All: 16.474+/-0.000 χ^2/NDF: 525049739459

- sign 16.274+/-0.000 χ^2/NDF: 2007819767441695



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1009.590+/-0.000 χ^2/NDF: 31819482843739

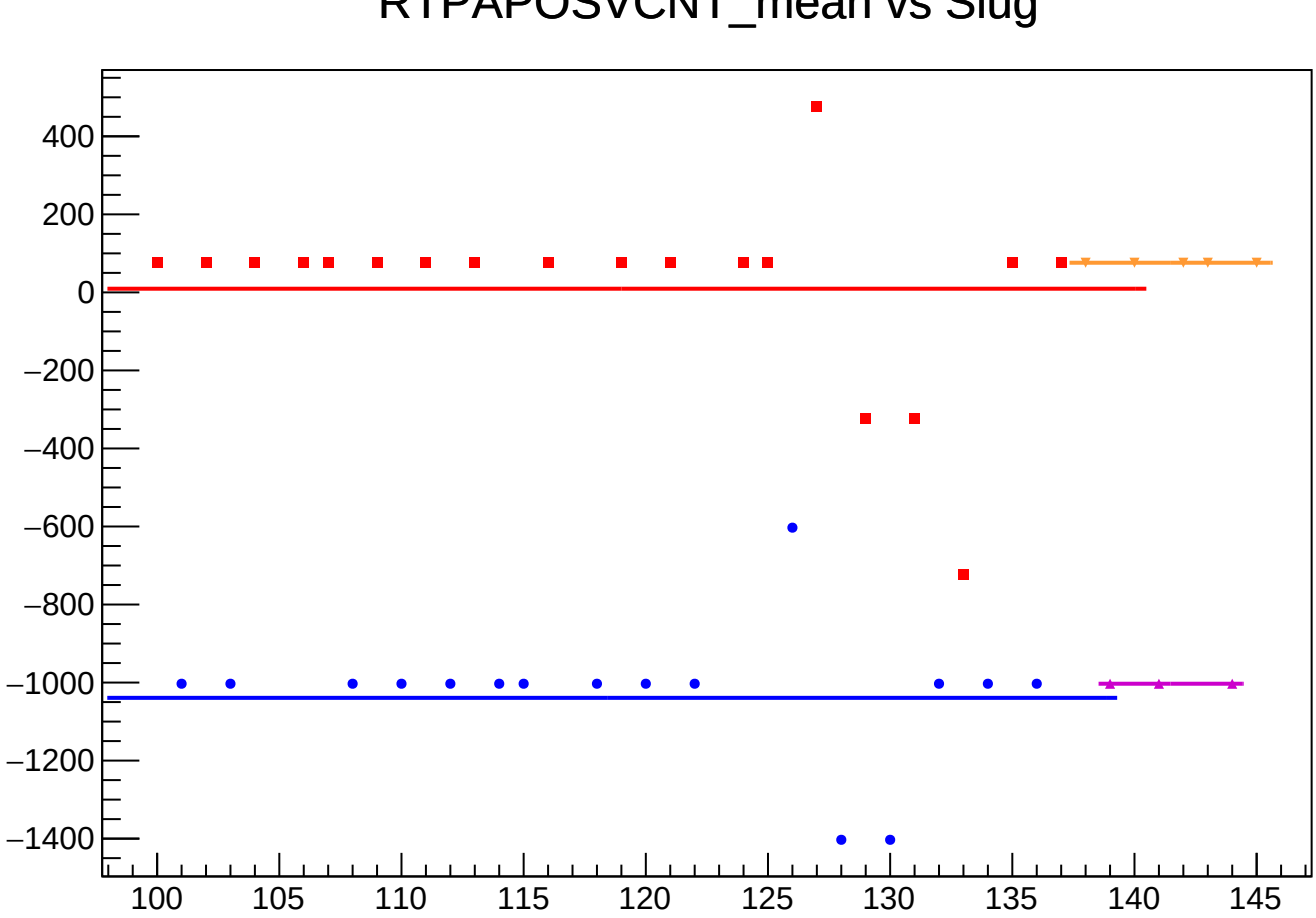
Left Out: 1146.011+/-0.000 χ^2/NDF:16886957754630624284382330880.0/4

All: 1057.096+/-0.000 χ^2/NDF: 7340905307

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1108.545+/-0.000 χ^2/NDF: 36315075132809

Left In: 912.994+/-0.000 χ^2/NDF:71357950133380739006831001600.0/2



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

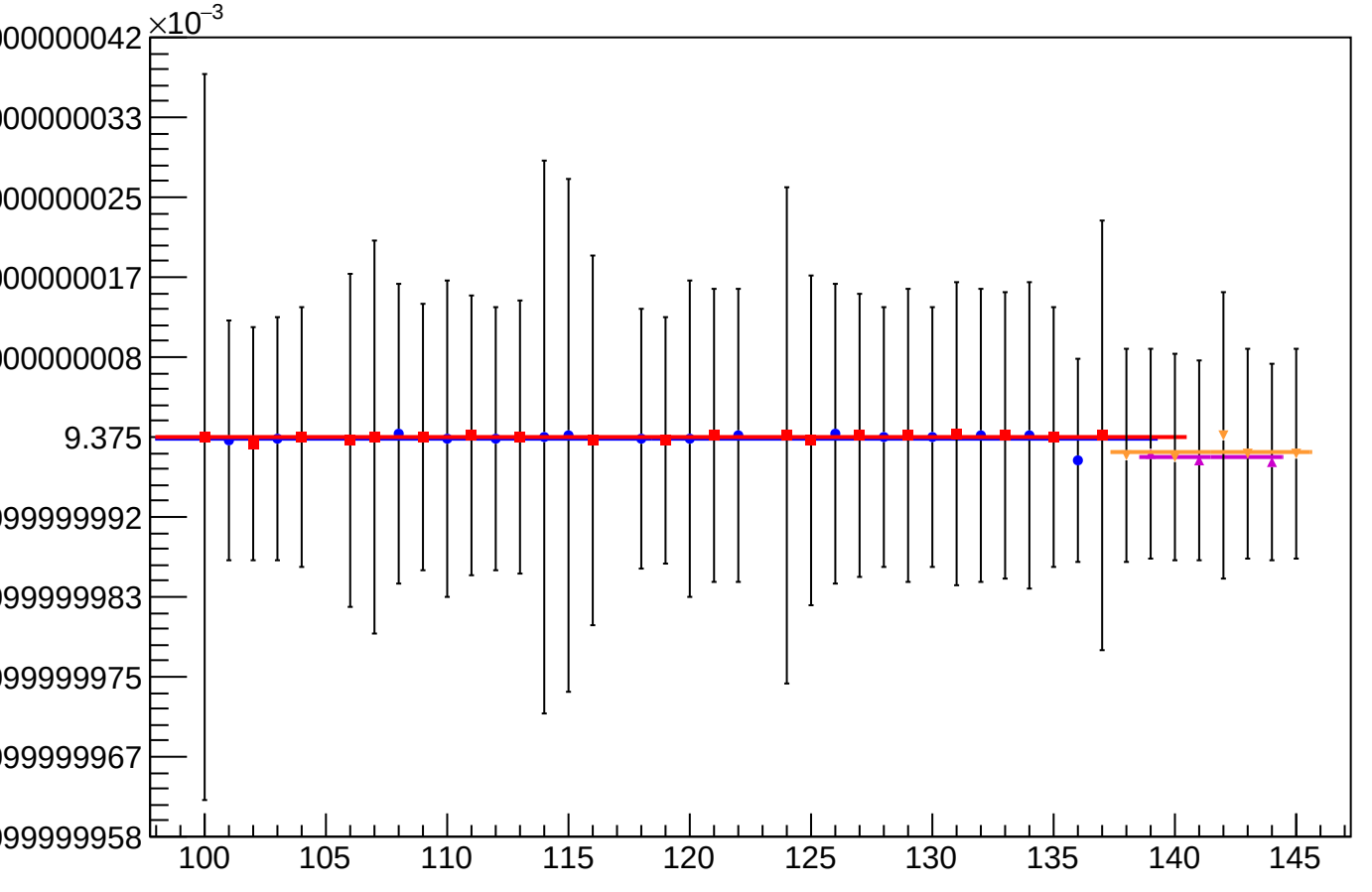
All: -466.949+/-0.000 χ^2/NDF: 675464503

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -257.356+/-0.000 χ^2/NDF: 252143258771867

Left In: -1002.989+/-0.000 χ^2/NDF:59637093996613338732167168O.0/2

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

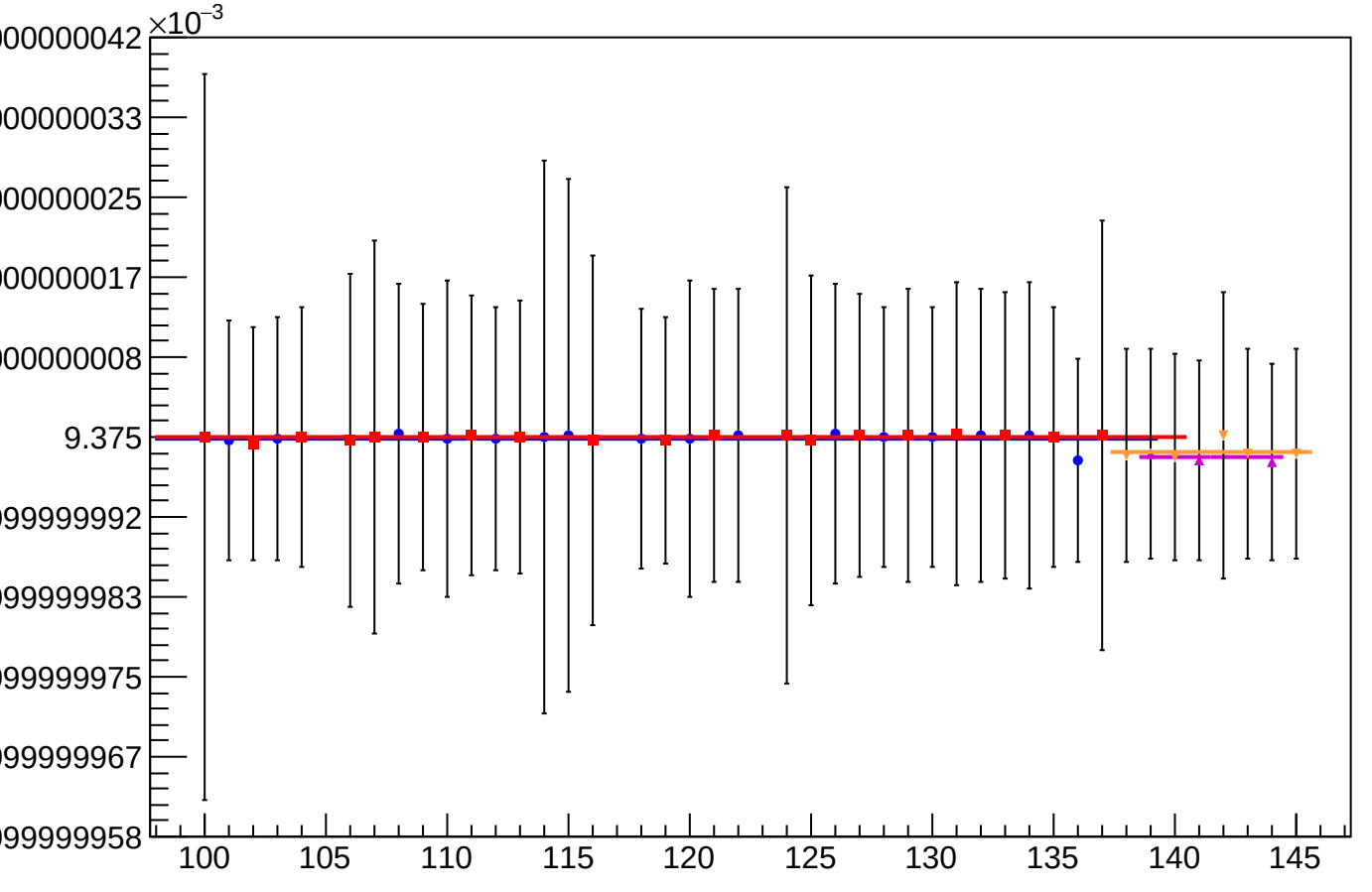
Left In: 0.009+/-0.000 χ^2/NDF:0.0/2

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/42

- sign 0.009+/-0.000 χ^2/NDF: 0.1/21

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:0.0/2

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/20

All: 0.009+/-0.000 χ^2/NDF: 0.2/42

- sign 0.009+/-0.000 χ^2/NDF: 0.1/21