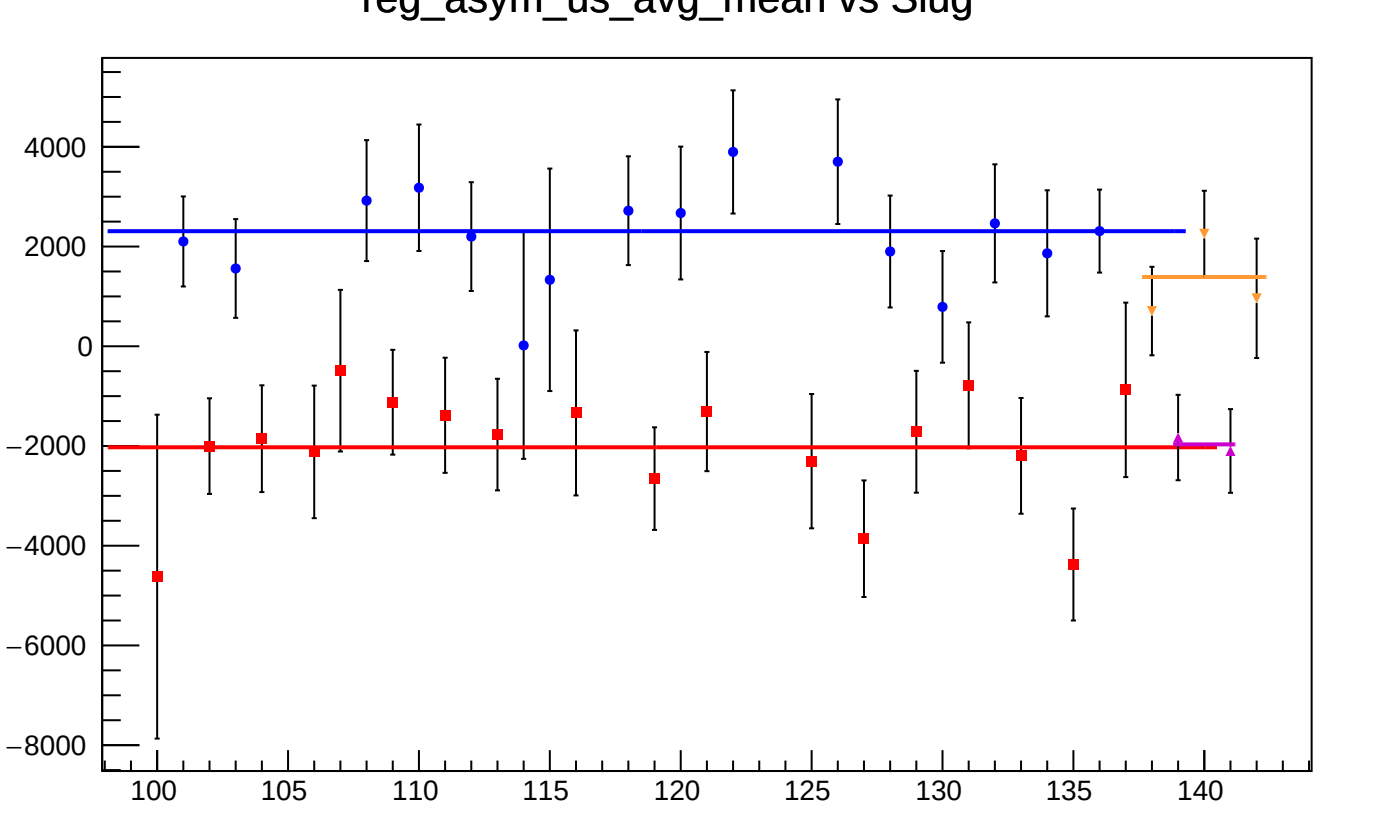


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1388.917+/-549.519 χ^2/NDF:1.7/2

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

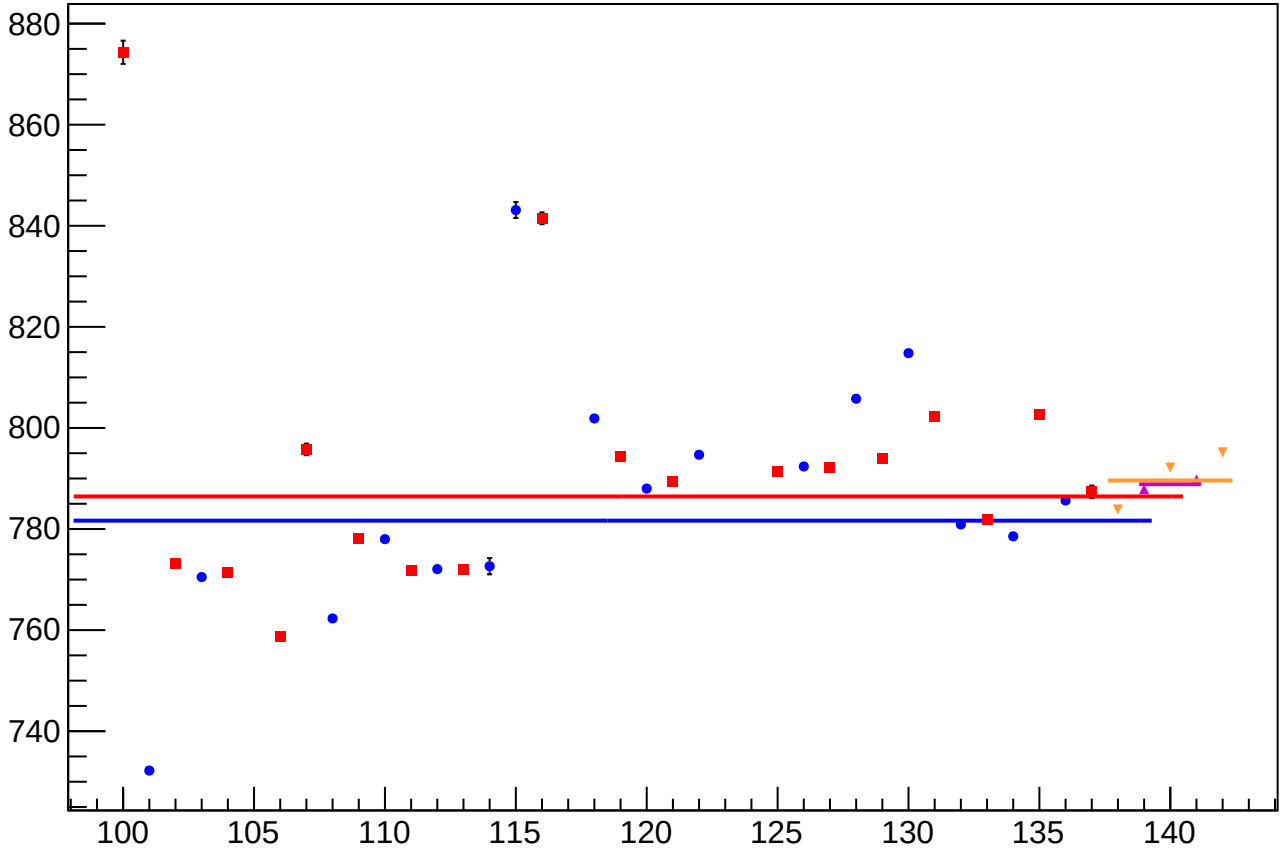
Left In: -1967.774+/-599.568 χ^2/NDF:0.1/1

+ sign 2107.446+/-256.774 χ^2/NDF: 11.7/18

All: 79.375+/-183.014 χ^2/NDF: 150.5/38

- sign -2014.671+/-260.917 χ^2/NDF: 12.0/19

reg_asym_us_avg_rms vs Slug



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

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

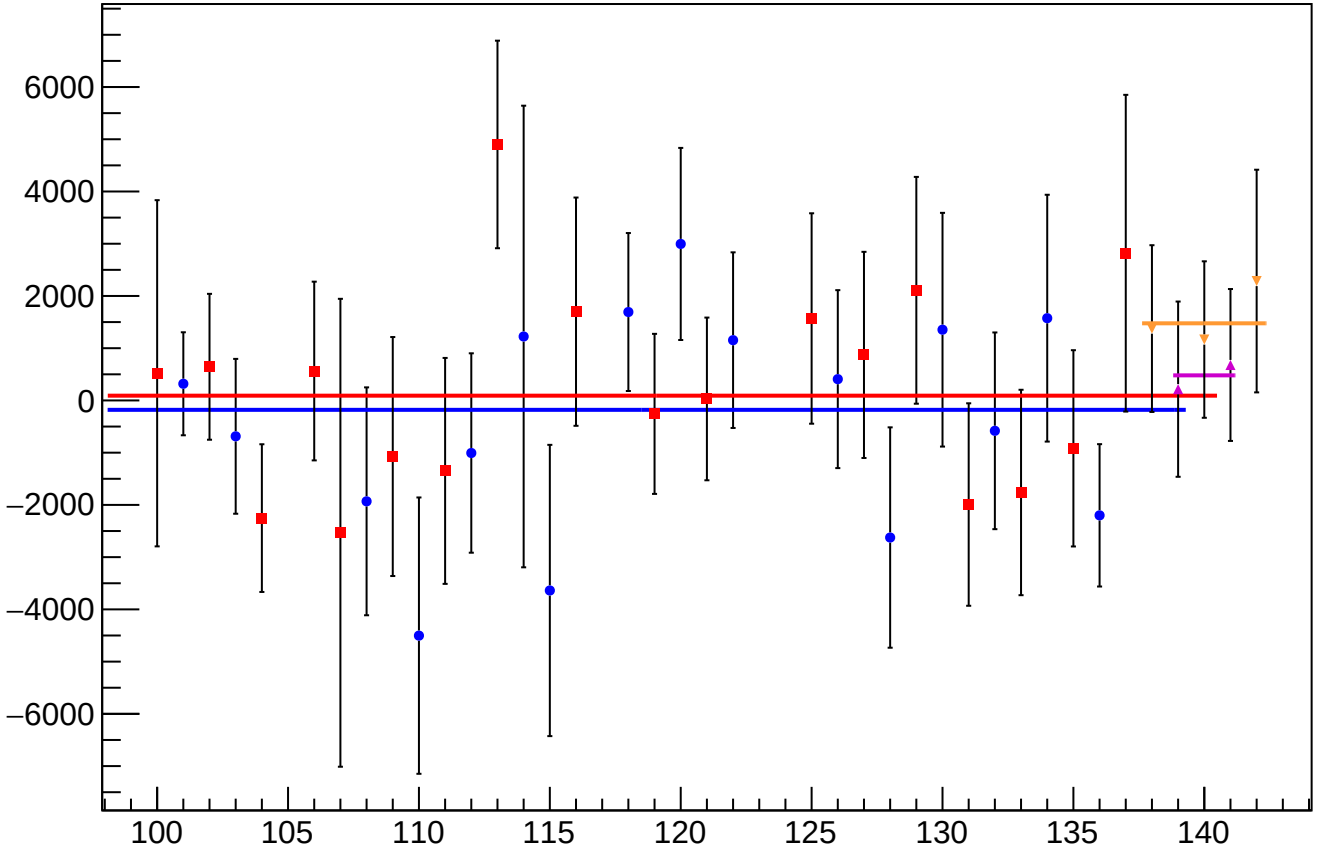
Left In: 788.870+/-0.424 χ^2/NDF:5.1/1

+ sign 783.390+/-0.182 χ^2/NDF: 12790.8/18

All: 785.118+/-0.129 χ^2/NDF: 20208.2/38

- sign 786.903+/-0.184 χ^2/NDF: 7233.2/19

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

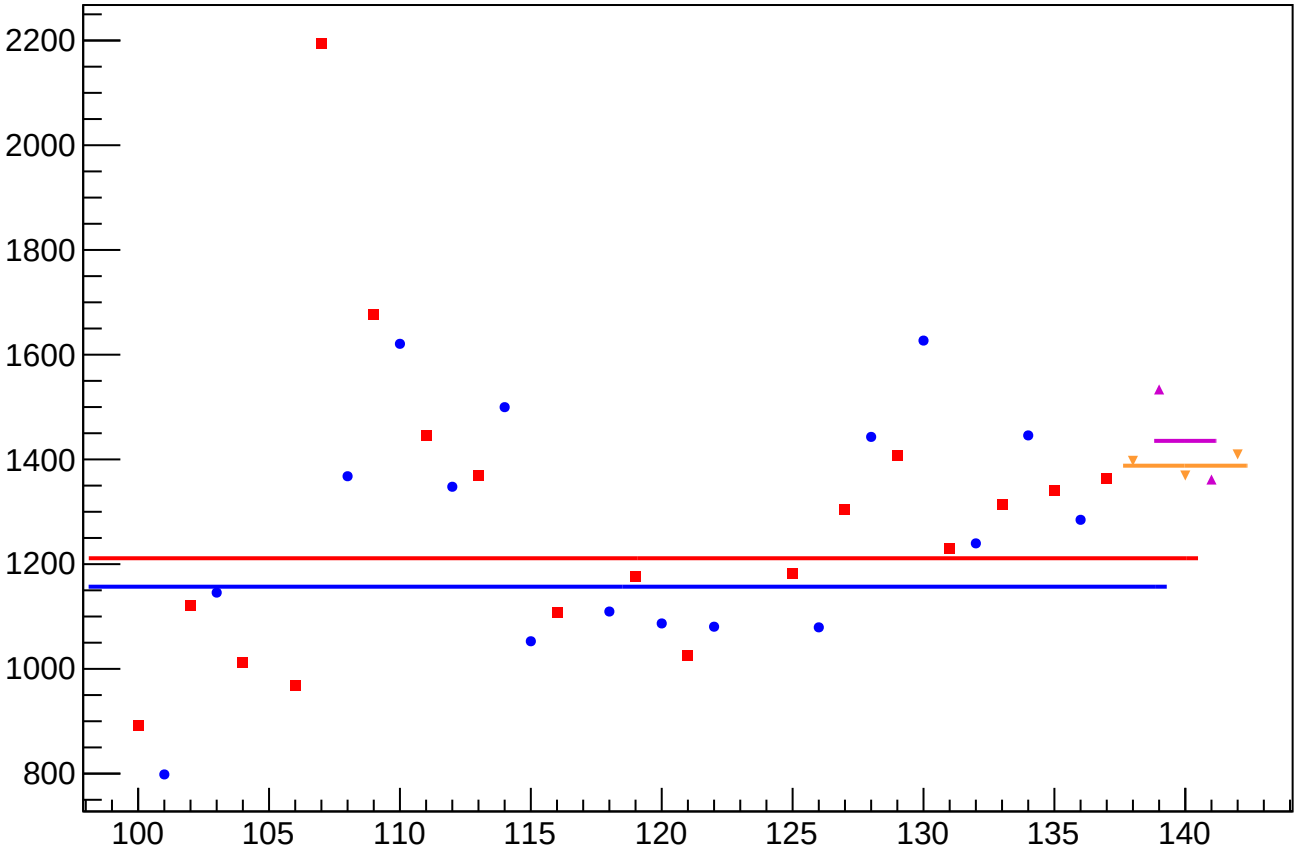
Left In: 480.146+/-1098.767 χ^2/NDF:0.0/1

+ sign 102.570+/-401.428 χ^2/NDF: 18.0/18

All: 124.326+/-290.273 χ^2/NDF: 33.3/38

- sign 148.168+/-420.233 χ^2/NDF: 15.3/19

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1388.025+/-0.687 χ^2/NDF:584.4/2

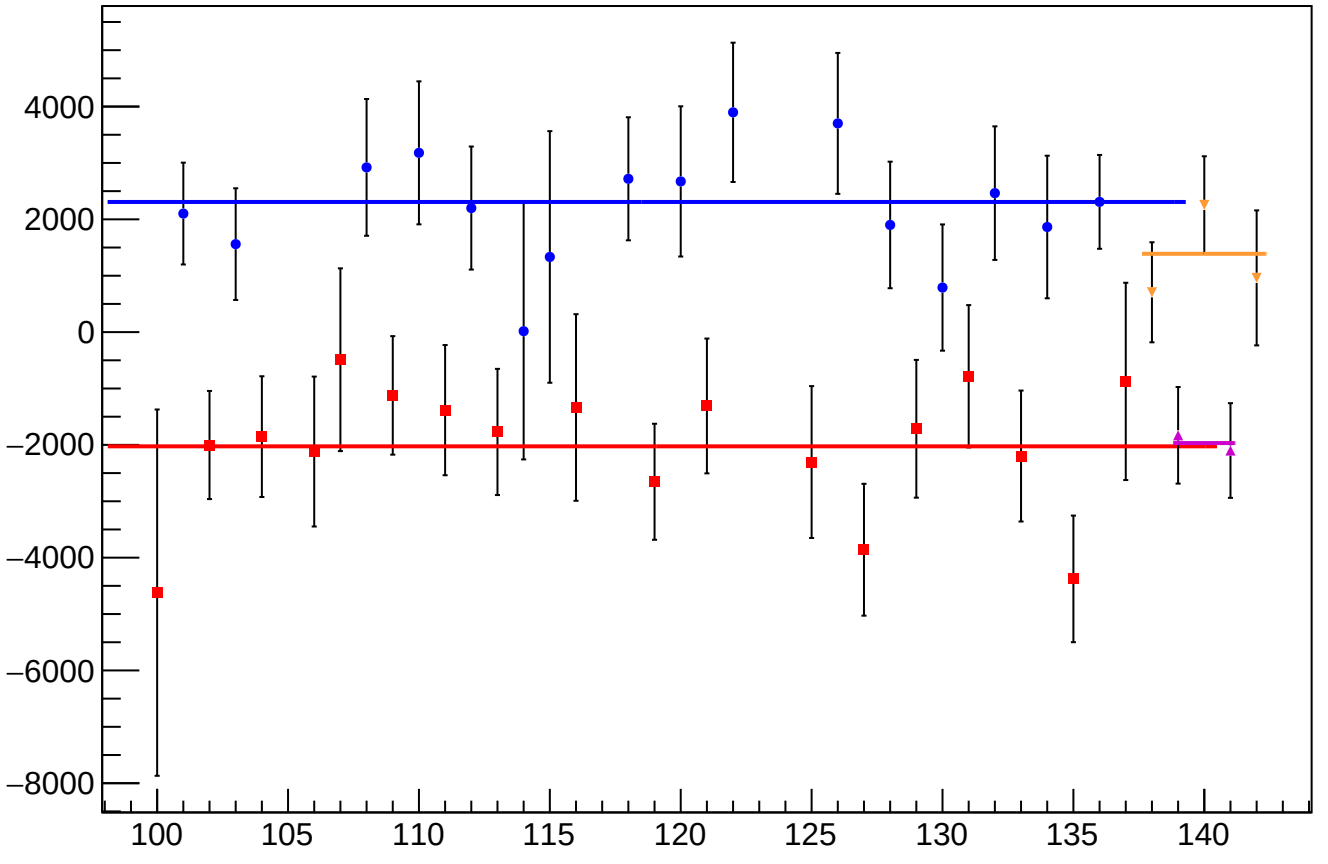
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1435.424+/-0.777 χ^2/NDF:12009.4/1

+ sign 1196.359+/-0.284 χ^2/NDF: 663454.8/18

All: 1219.115+/-0.205 χ^2/NDF: 1157713.9/38

- sign 1244.053+/-0.297 χ^2/NDF: 480788.9/19



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

Left Out: 1388.917+/-549.519 χ^2/NDF:1.7/2

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

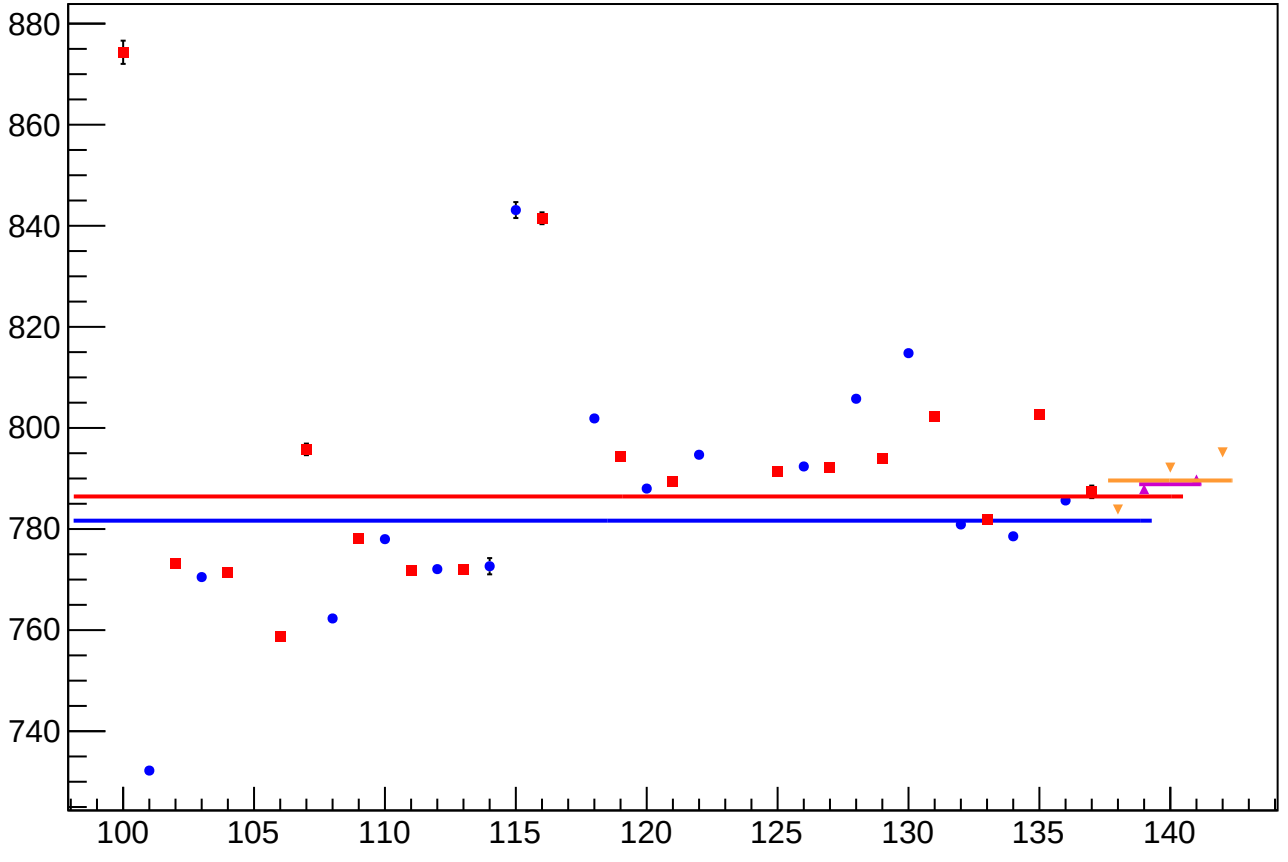
Left In: -1967.774+/-599.568 χ^2/NDF:0.1/1

+ sign 2107.446+/-256.774 χ^2/NDF: 11.7/18

All: 79.375+/-183.014 χ^2/NDF: 150.5/38

- sign -2014.671+/-260.917 χ^2/NDF: 12.0/19

cor_asym_us_avg_rms vs Slug



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

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

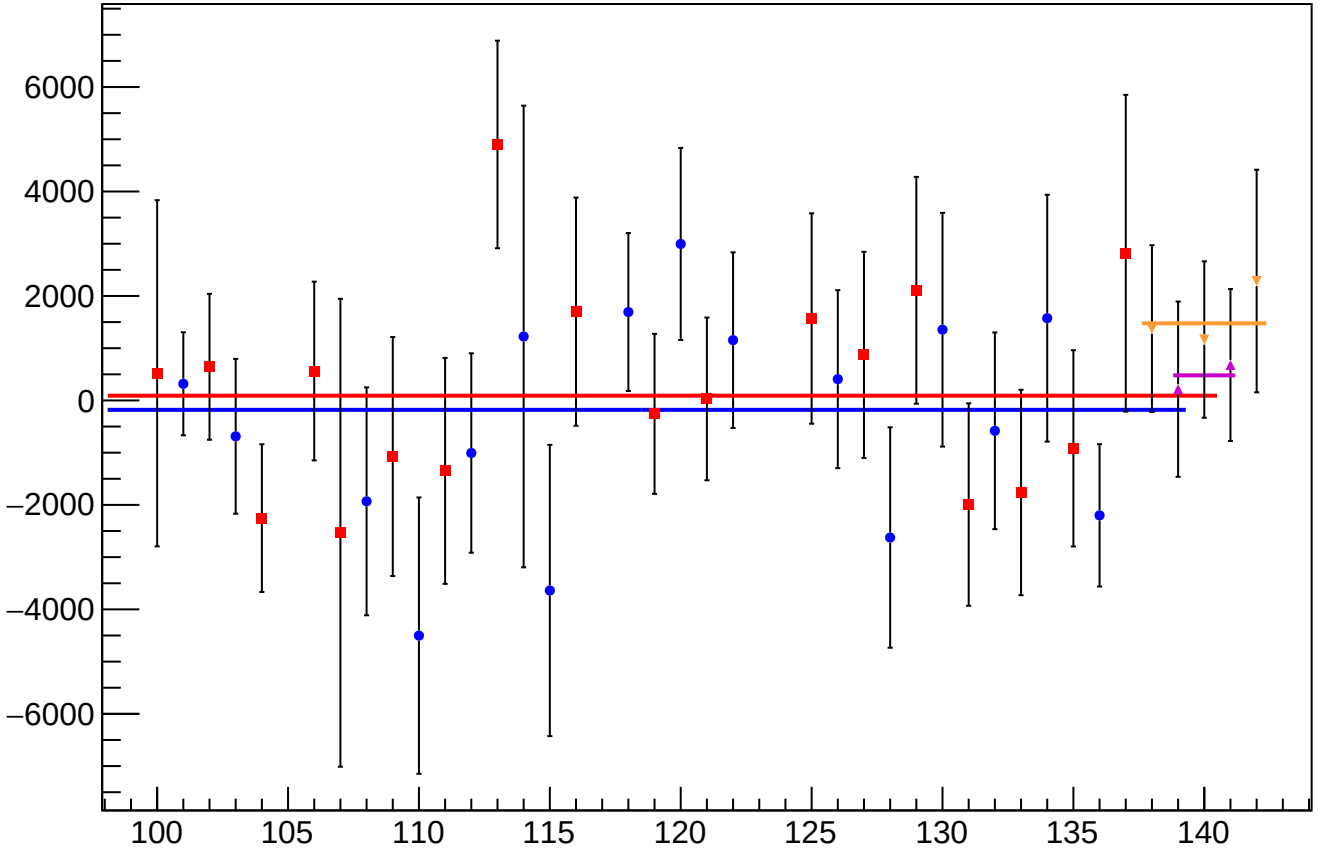
Left In: 788.870+/-0.424 χ^2/NDF:5.1/1

+ sign 783.390+/-0.182 χ^2/NDF: 12790.8/18

All: 785.118+/-0.129 χ^2/NDF: 20208.2/38

- sign 786.903+/-0.184 χ^2/NDF: 7233.2/19

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

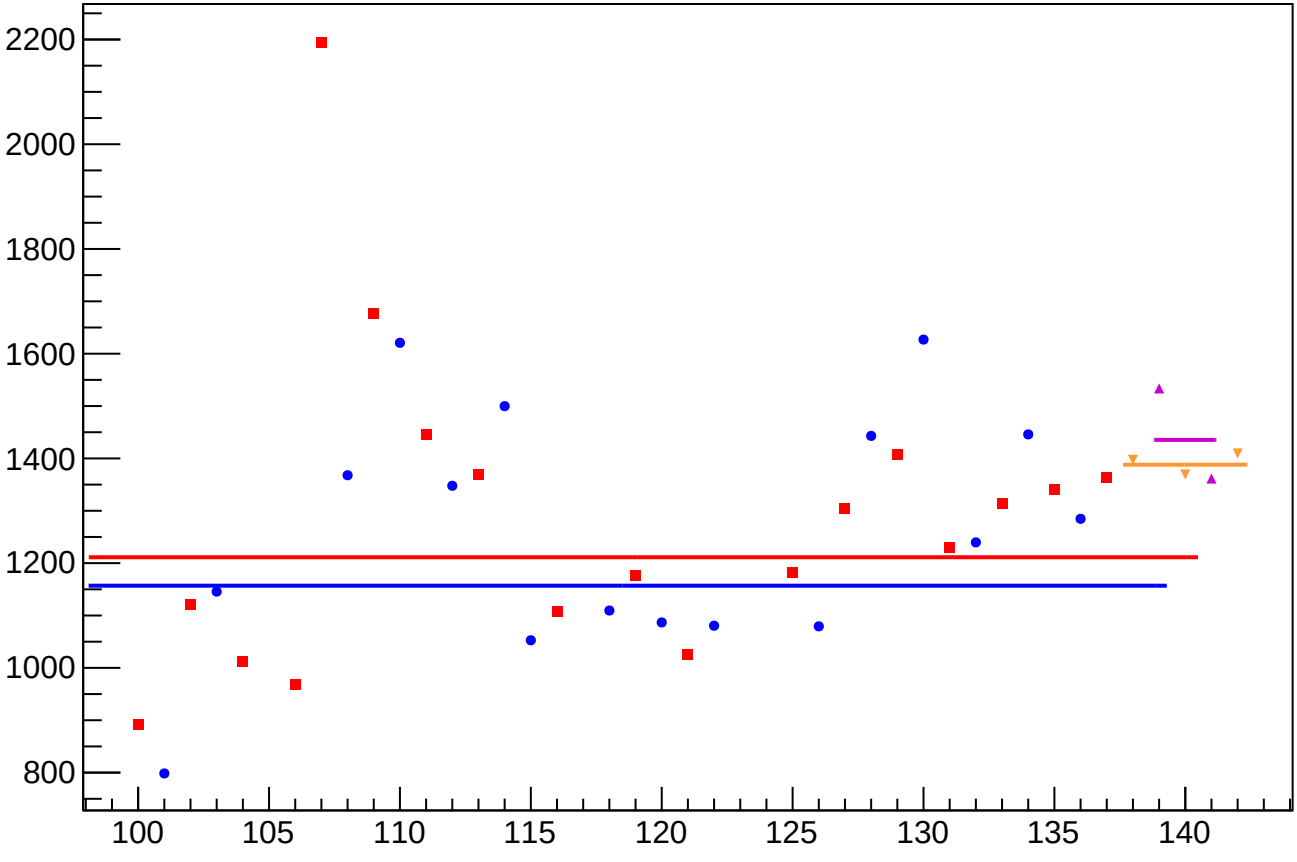
Left In: 480.146+/-1098.767 χ^2/NDF:0.0/1

\+ sign 102.570+/-401.428 χ^2/NDF: 18.0/18

All: 124.326+/-290.273 χ^2/NDF: 33.3/38

\- sign 148.168+/-420.233 χ^2/NDF: 15.3/19

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1388.025+/-0.687 χ^2/NDF:584.4/2

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

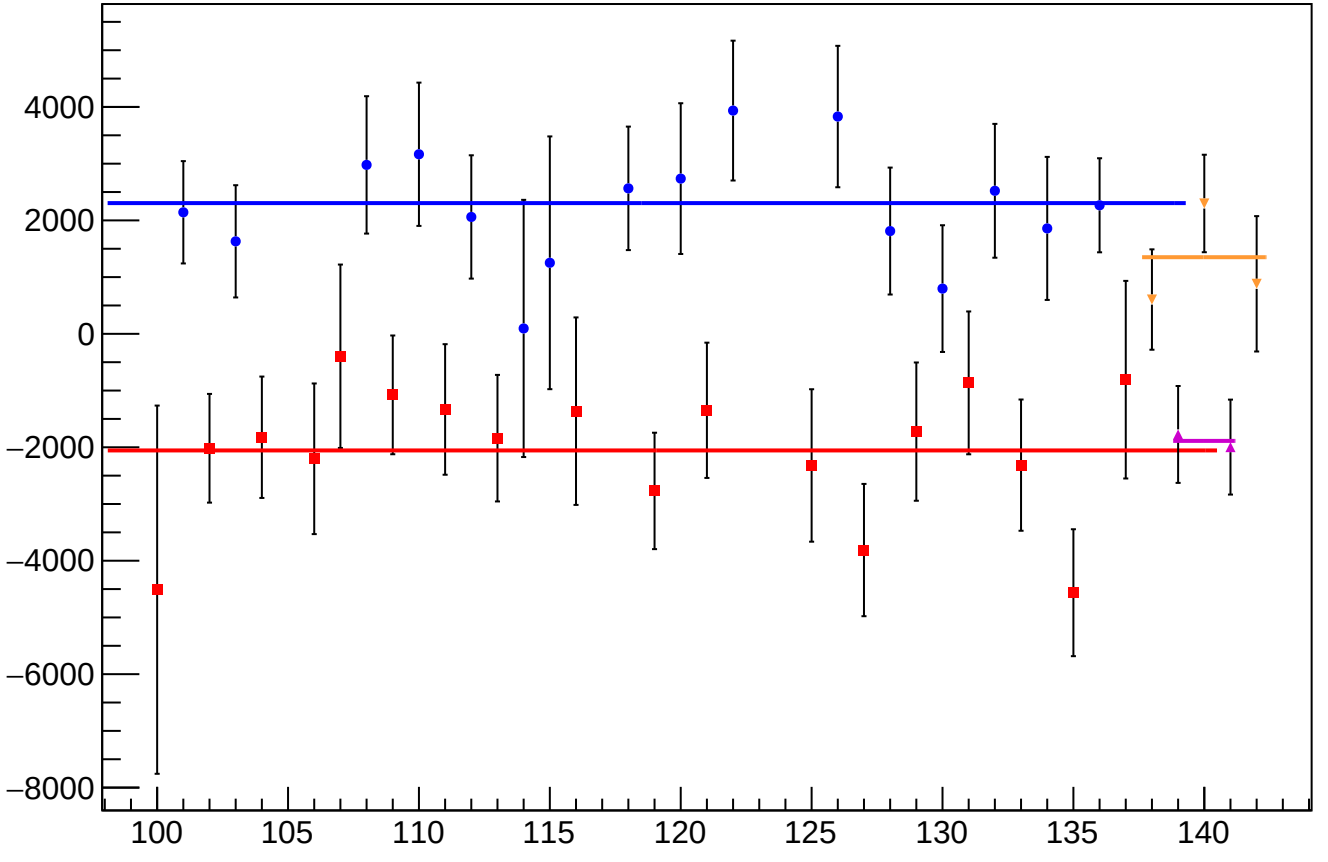
Left In: 1435.424+/-0.777 χ^2/NDF:12009.4/1

+ sign 1196.359+/-0.284 χ^2/NDF: 663454.8/18

All: 1219.115+/-0.205 χ^2/NDF: 1157713.9/38

- sign 1244.053+/-0.297 χ^2/NDF: 480788.9/19

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1350.982+/-547.691 χ^2/NDF:2.1/2

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

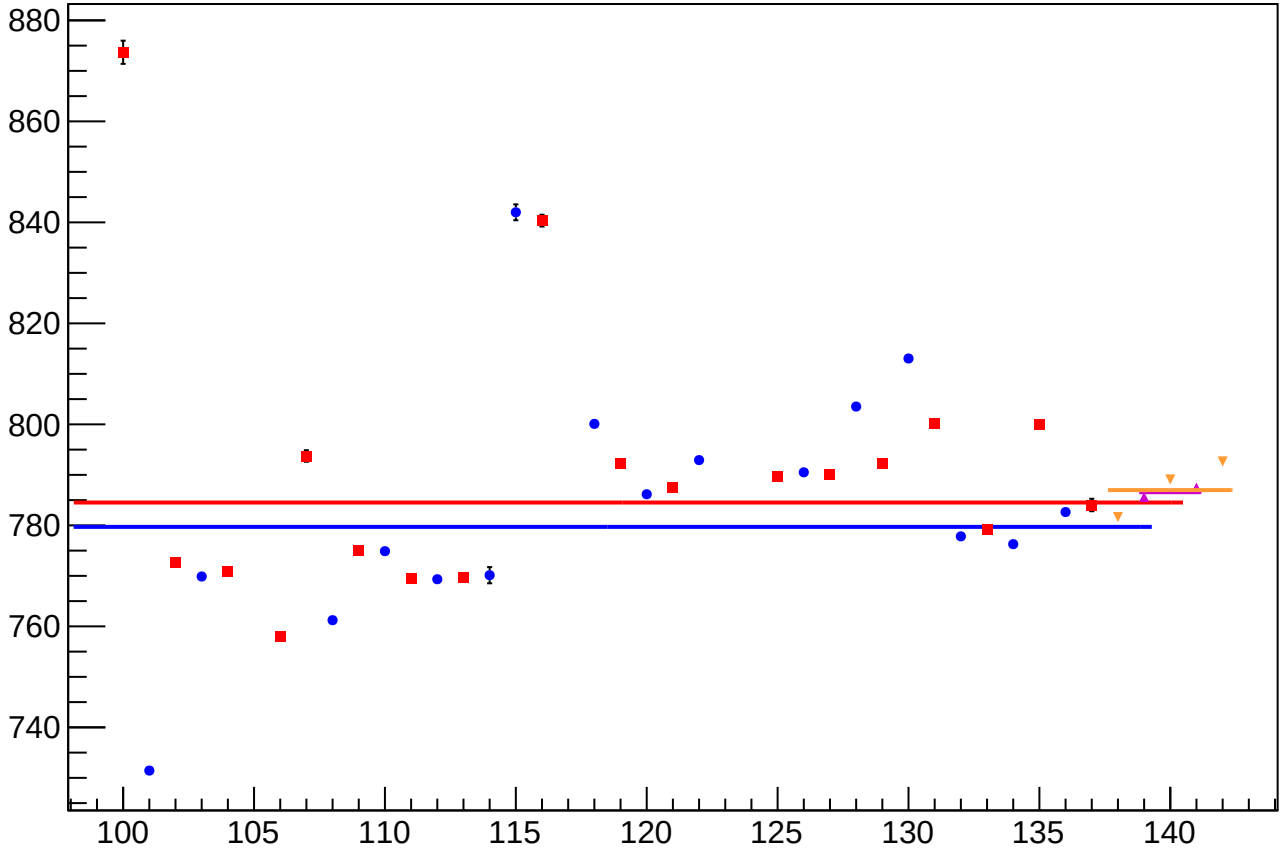
Left In: -1887.495+/-597.817 χ^2/NDF:0.0/1

+ sign 2096.314+/-256.085 χ^2/NDF: 12.5/18

All: 69.548+/-182.537 χ^2/NDF: 152.8/38

- sign -2023.794+/-260.257 χ^2/NDF: 13.0/19

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 786.983+/-0.387 χ^2/NDF:130.2/2

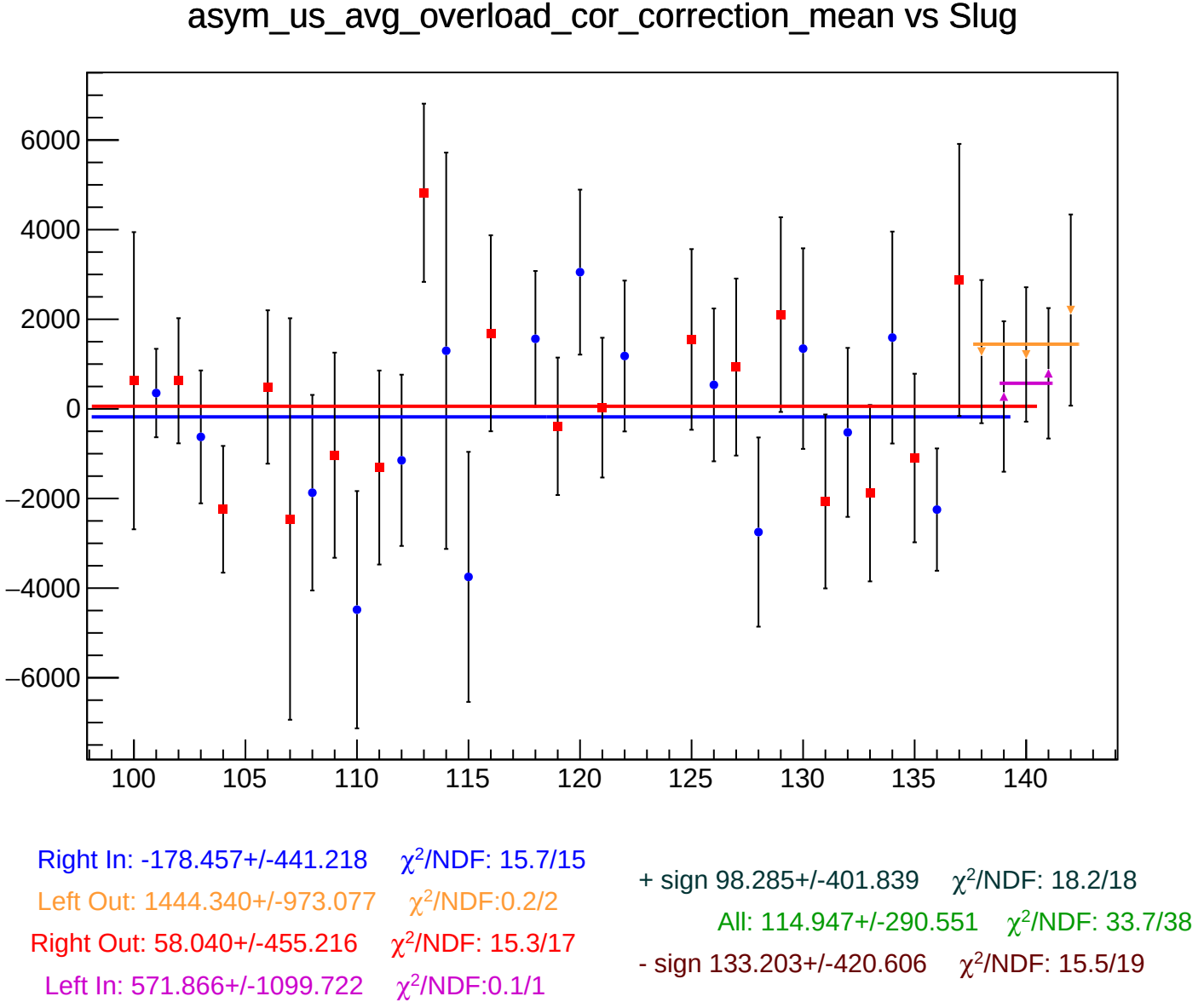
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 786.570+/-0.423 χ^2/NDF:4.9/1

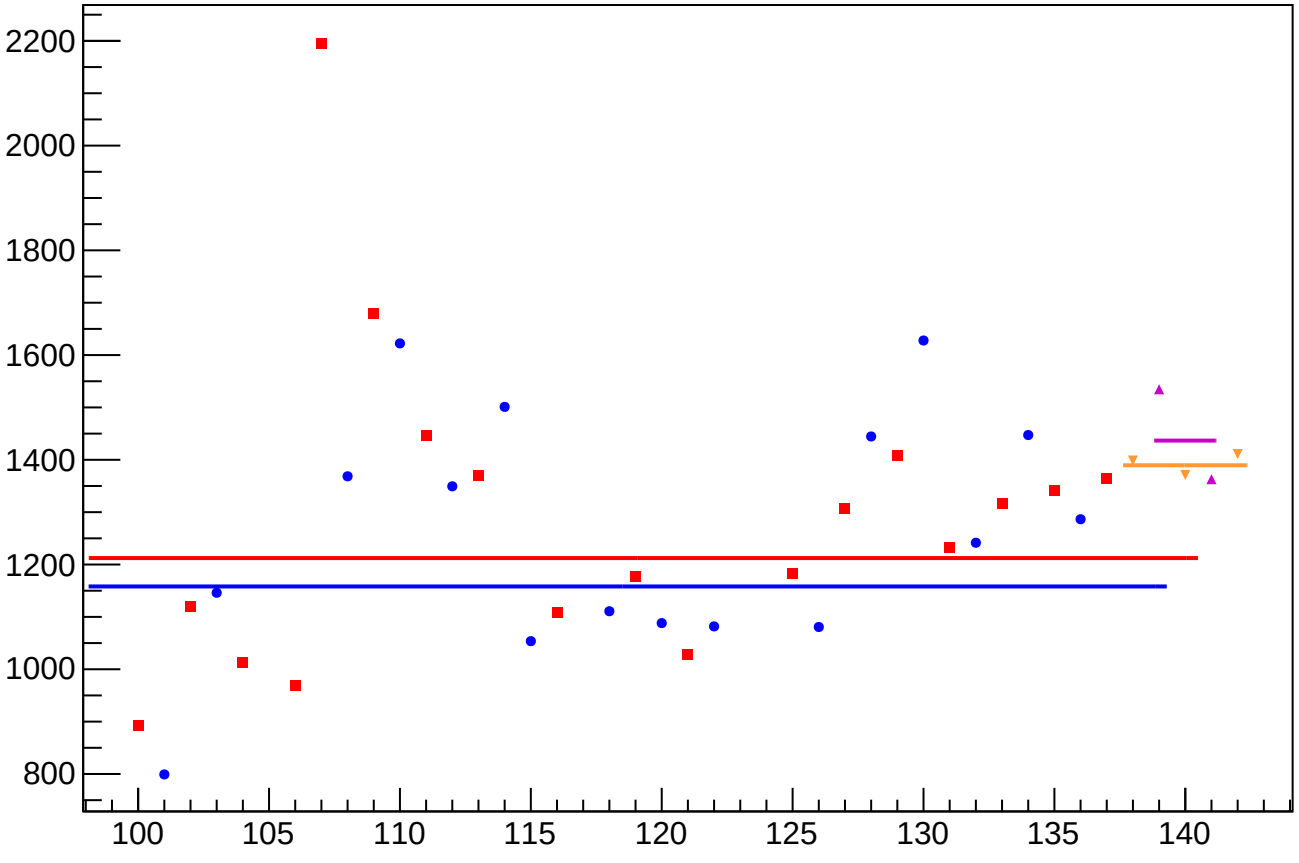
+ sign 781.294+/-0.181 χ^2/NDF: 12466.6/18

All: 783.074+/-0.129 χ^2/NDF: 19846.9/38

- sign 784.912+/-0.184 χ^2/NDF: 7183.9/19


asym_us_avg_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
105
110
115
120
125
130
135
140
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: 1444.340+/-973.077 χ²/NDF:0.2/2
Right Out: 58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 571.866+/-1099.722 χ²/NDF:0.1/1
+ sign 98.285+/-401.839 χ²/NDF: 18.2/18
All: 114.947+/-290.551 χ²/NDF: 33.7/38
- sign 133.203+/-420.606 χ²/NDF: 15.5/19

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1389.545+/-0.688 χ^2/NDF:570.5/2

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

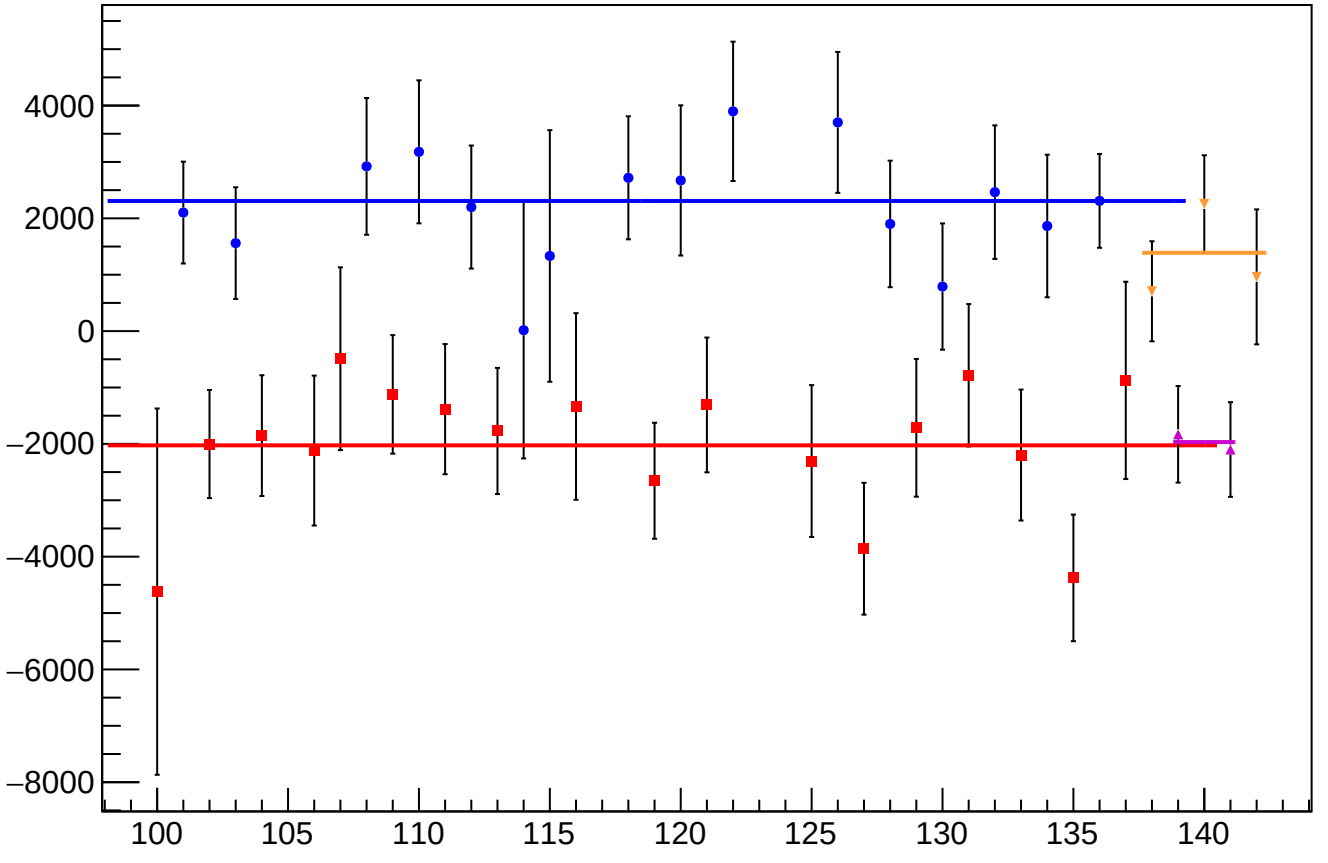
Left In: 1436.692+/-0.778 χ^2/NDF:11941.8/1

+ sign 1197.597+/-0.284 χ^2/NDF: 663537.5/18

All: 1220.296+/-0.205 χ^2/NDF: 1157848.4/38

- sign 1245.164+/-0.297 χ^2/NDF: 480938.0/19

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1388.917+/-549.519 χ^2/NDF:1.7/2

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

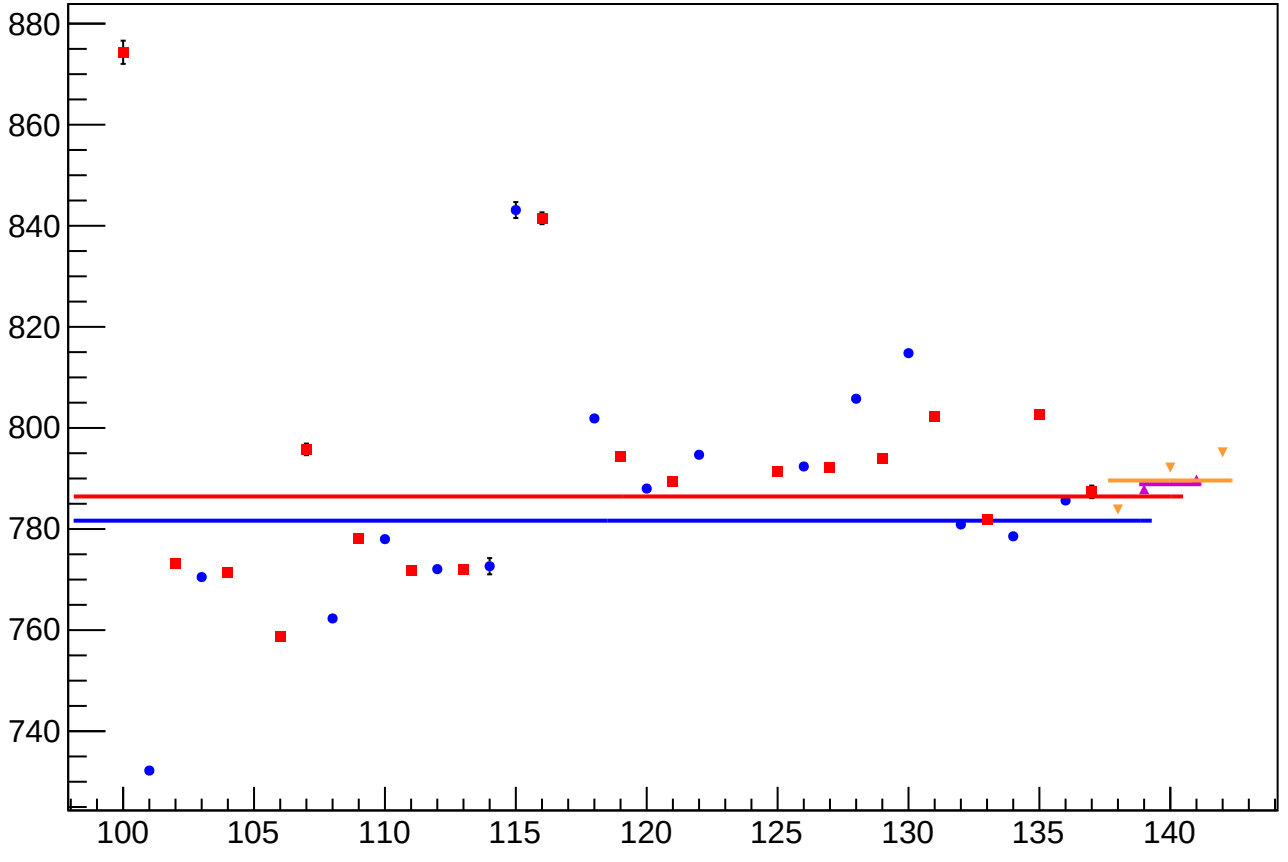
Left In: -1967.774+/-599.568 χ^2/NDF:0.1/1

+ sign 2107.446+/-256.774 χ^2/NDF: 11.7/18

All: 79.375+/-183.014 χ^2/NDF: 150.5/38

- sign -2014.671+/-260.917 χ^2/NDF: 12.0/19

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

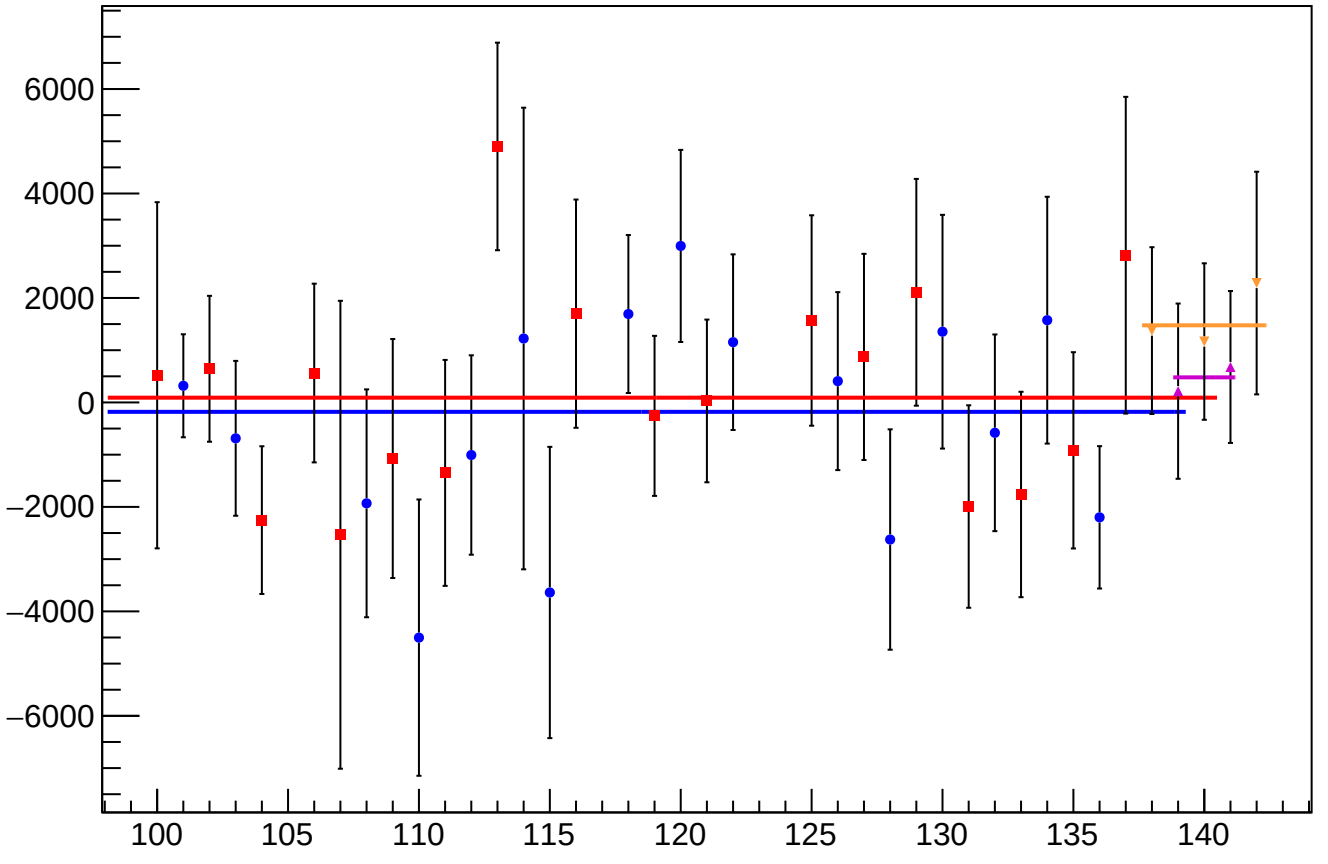
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 788.870+/-0.424 χ^2/NDF:5.1/1

+ sign 783.390+/-0.182 χ^2/NDF: 12790.8/18

All: 785.118+/-0.129 χ^2/NDF: 20208.2/38

- sign 786.903+/-0.184 χ^2/NDF: 7233.2/19



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

Left Out: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

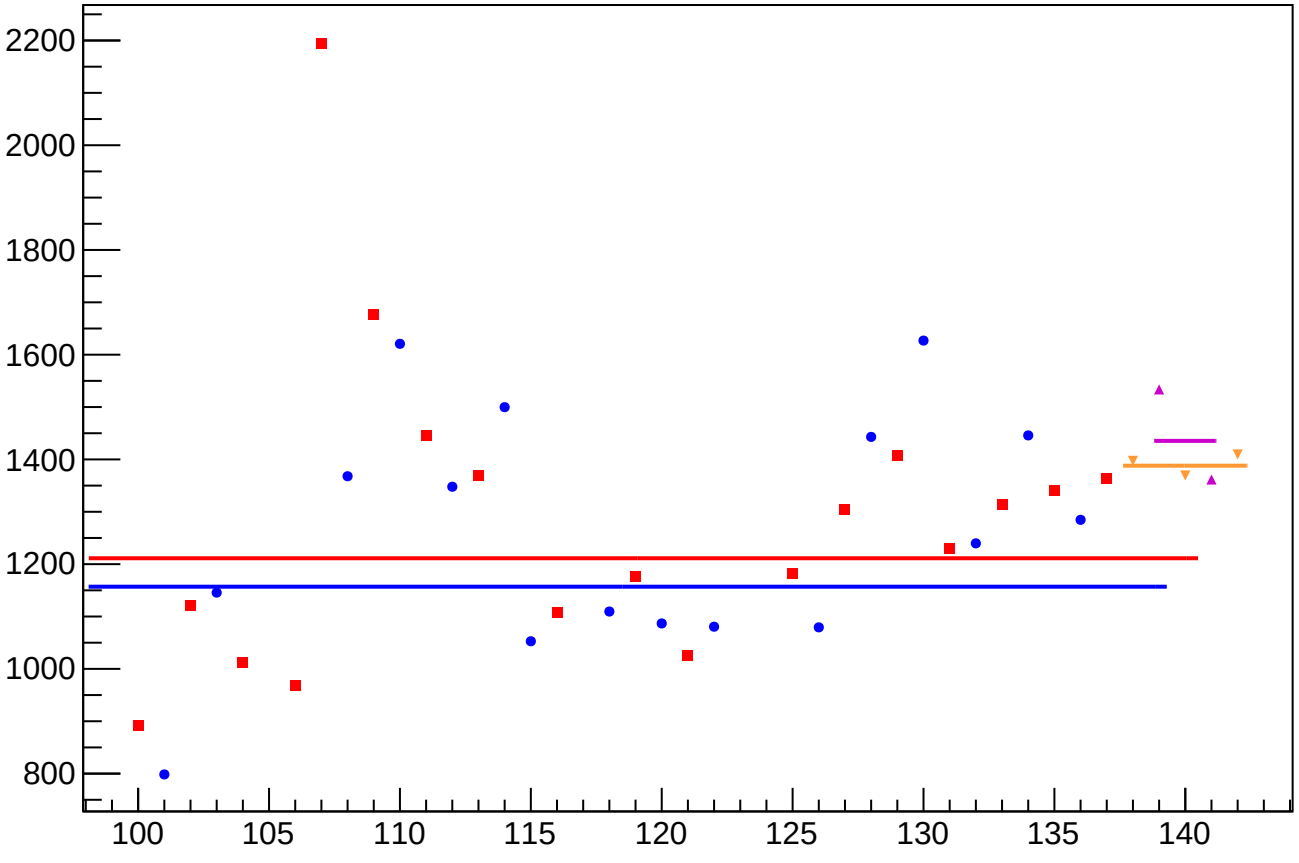
Left In: 480.146+/-1098.767 χ^2/NDF:0.0/1

+ sign 102.570+/-401.428 χ^2/NDF: 18.0/18

All: 124.326+/-290.273 χ^2/NDF: 33.3/38

- sign 148.168+/-420.233 χ^2/NDF: 15.3/19

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1388.025+/-0.687 χ^2/NDF:584.4/2

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

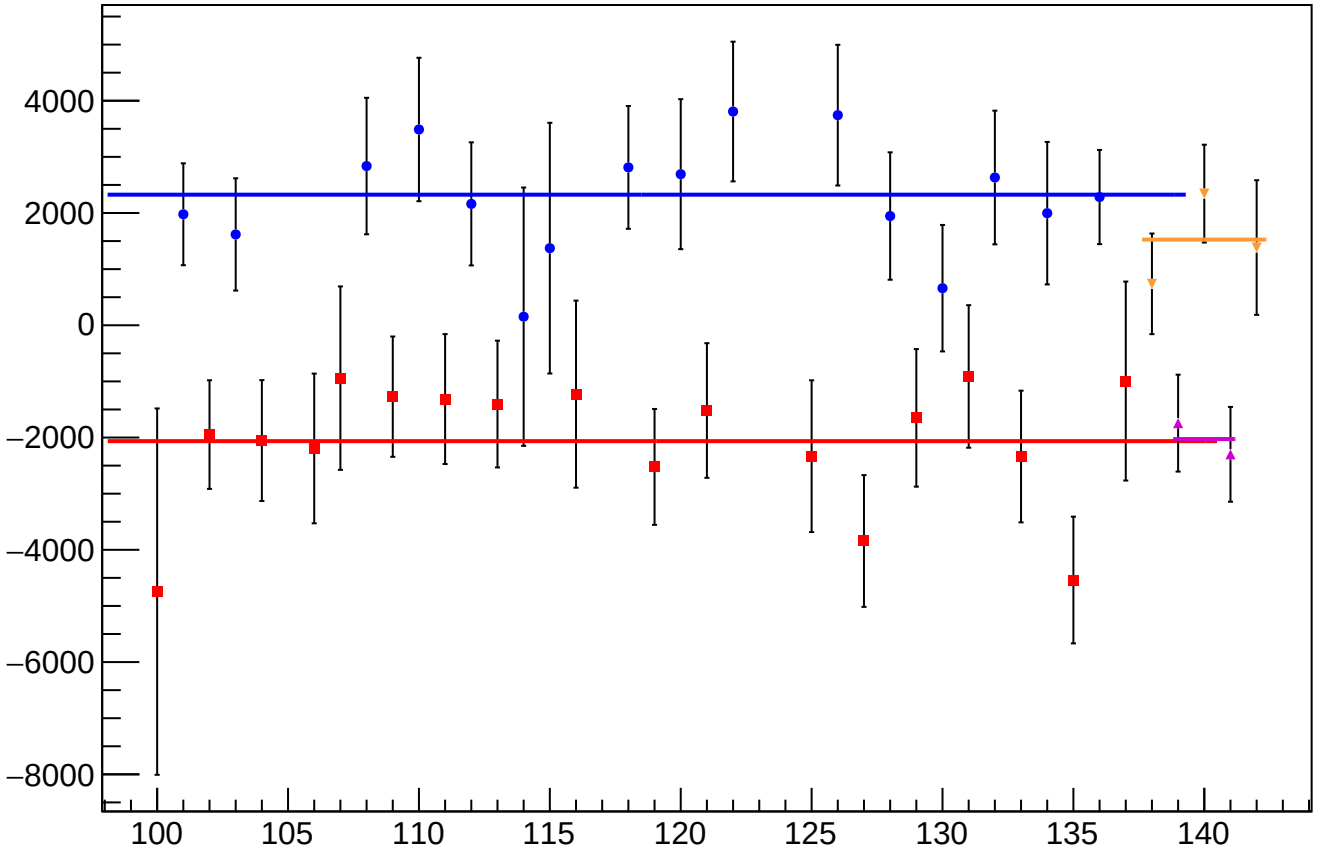
Left In: 1435.424+/-0.777 χ^2/NDF:12009.4/1

+ sign 1196.359+/-0.284 χ^2/NDF: 663454.8/18

All: 1219.115+/-0.205 χ^2/NDF: 1157713.9/38

- sign 1244.053+/-0.297 χ^2/NDF: 480788.9/19

dit_asym_us_avg_mean vs Slug



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

Left Out: 1526.131+/-554.106 χ^2/NDF:1.7/2

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

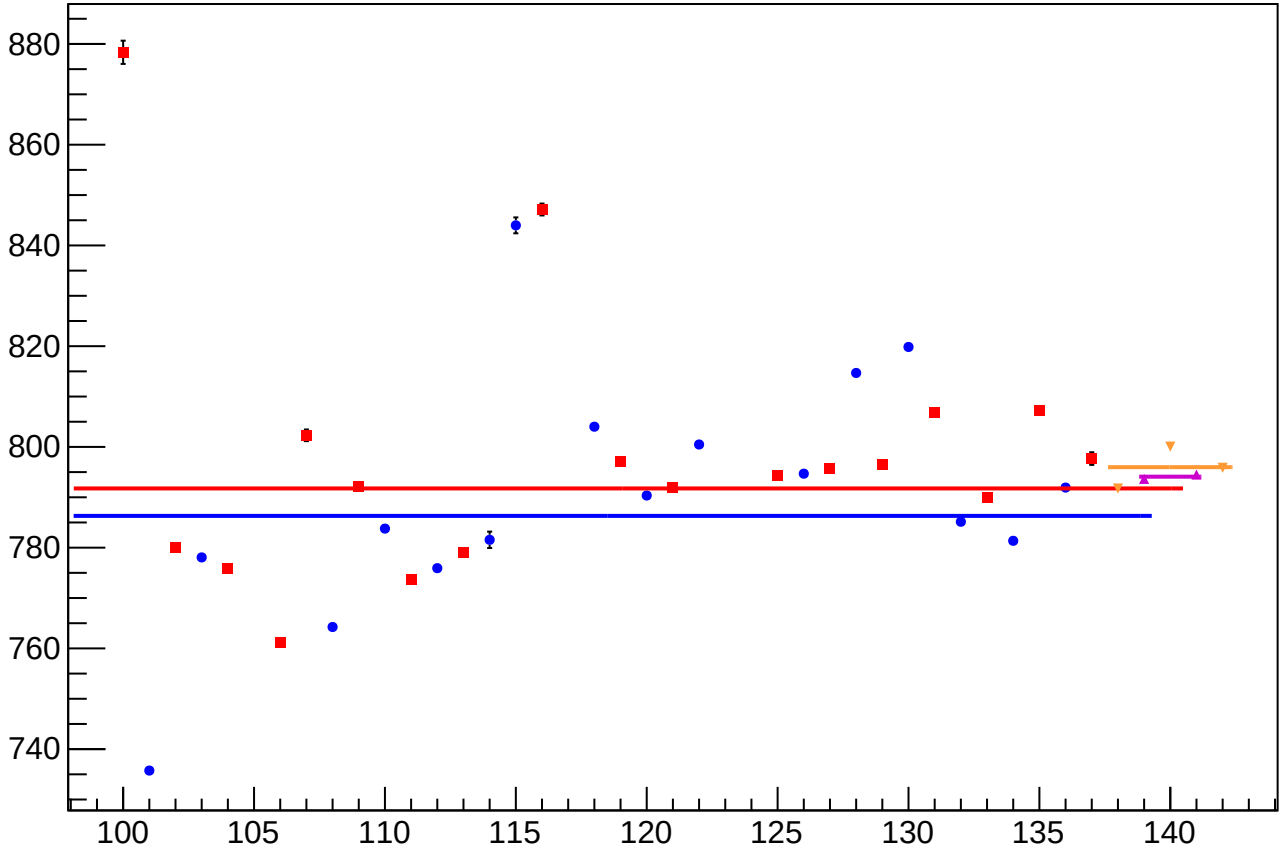
Left In: -2027.169+/-603.658 χ^2/NDF:0.2/1

+ sign 2152.325+/-258.447 χ^2/NDF: 11.5/18

All: 82.079+/-184.238 χ^2/NDF: 153.8/38

- sign -2057.005+/-262.709 χ^2/NDF: 11.8/19

dit_asym_us_avg_rms vs Slug



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

Left Out: 795.982+/-0.392 χ^2/NDF:88.4/2

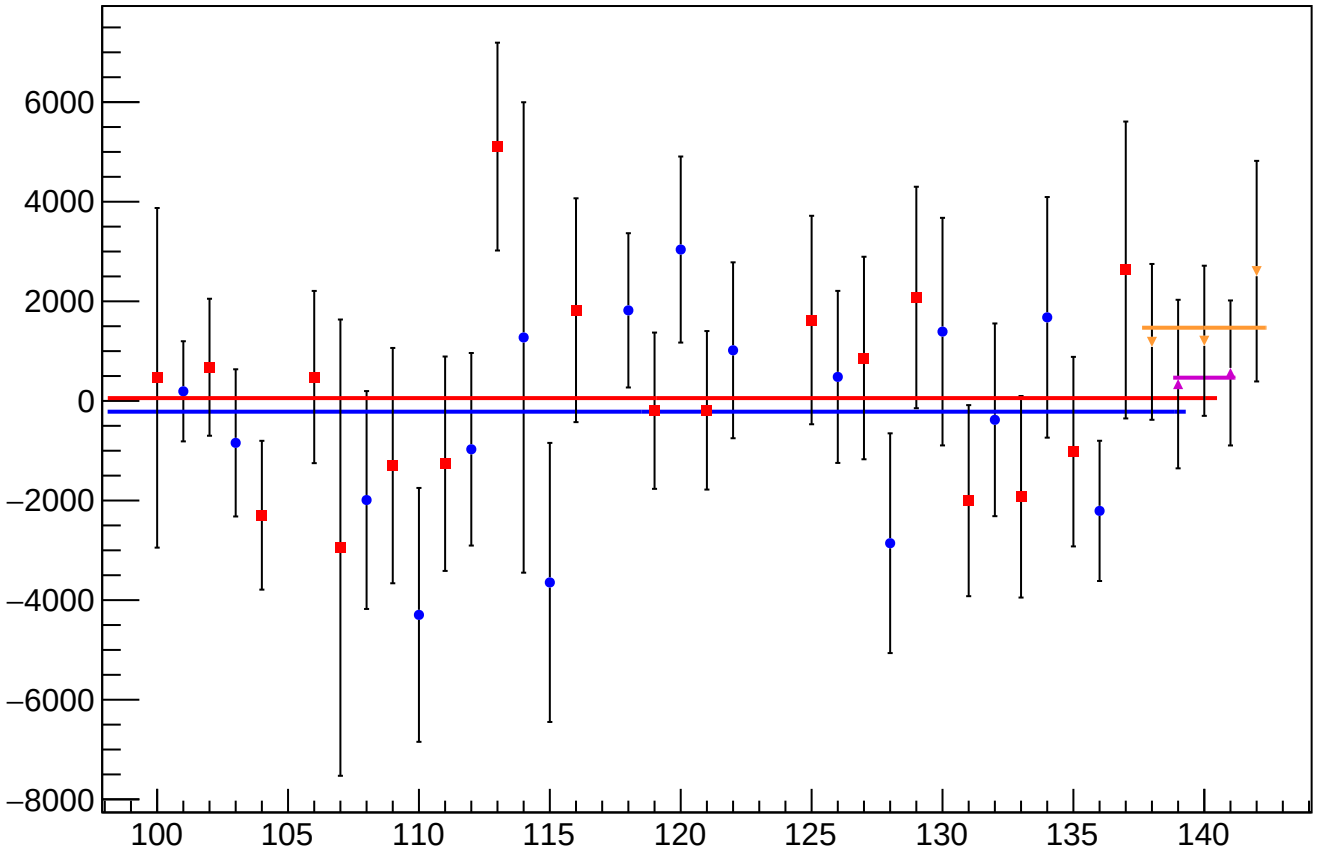
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 794.090+/-0.427 χ^2/NDF:1.0/1

+ sign 788.414+/-0.183 χ^2/NDF: 13136.3/18

All: 790.275+/-0.130 χ^2/NDF: 20387.6/38

- sign 792.198+/-0.186 χ^2/NDF: 7040.4/19



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

Left Out: 1470.037+/-974.753 χ^2/NDF:0.3/2

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

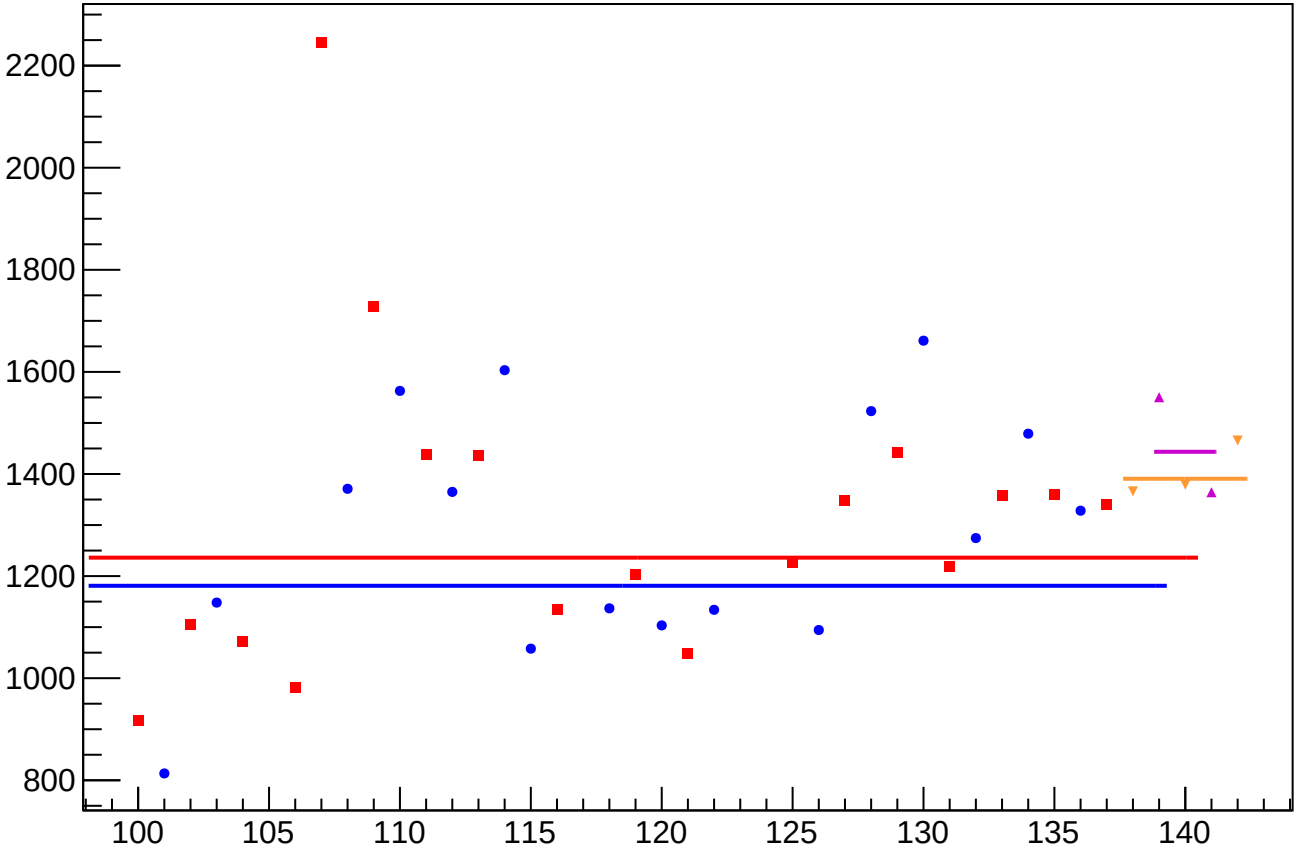
Left In: 466.712+/-1103.655 χ^2/NDF:0.0/1

+ sign 79.554+/-408.217 χ^2/NDF: 18.1/18

All: 98.049+/-295.307 χ^2/NDF: 33.3/38

- sign 118.353+/-427.718 χ^2/NDF: 15.3/19

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1390.706+/-0.689 χ^2/NDF:2908.1/2

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

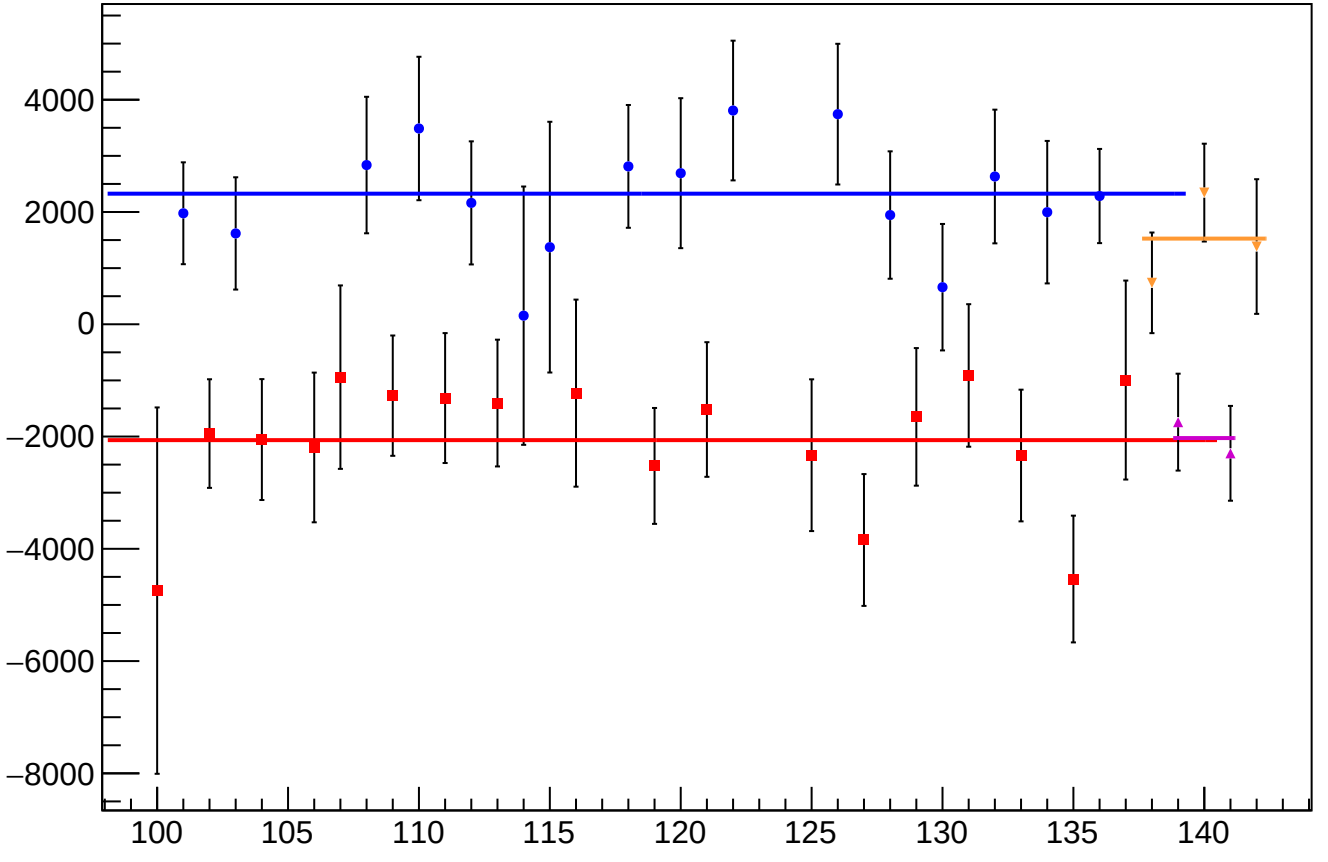
Left In: 1443.500+/-0.780 χ^2/NDF:13896.1/1

+ sign 1217.778+/-0.289 χ^2/NDF: 650350.9/18

All: 1241.374+/-0.209 χ^2/NDF: 1135509.0/38

- sign 1267.279+/-0.302 χ^2/NDF: 471139.2/19

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1526.134+/-554.106 χ^2/NDF:1.7/2

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

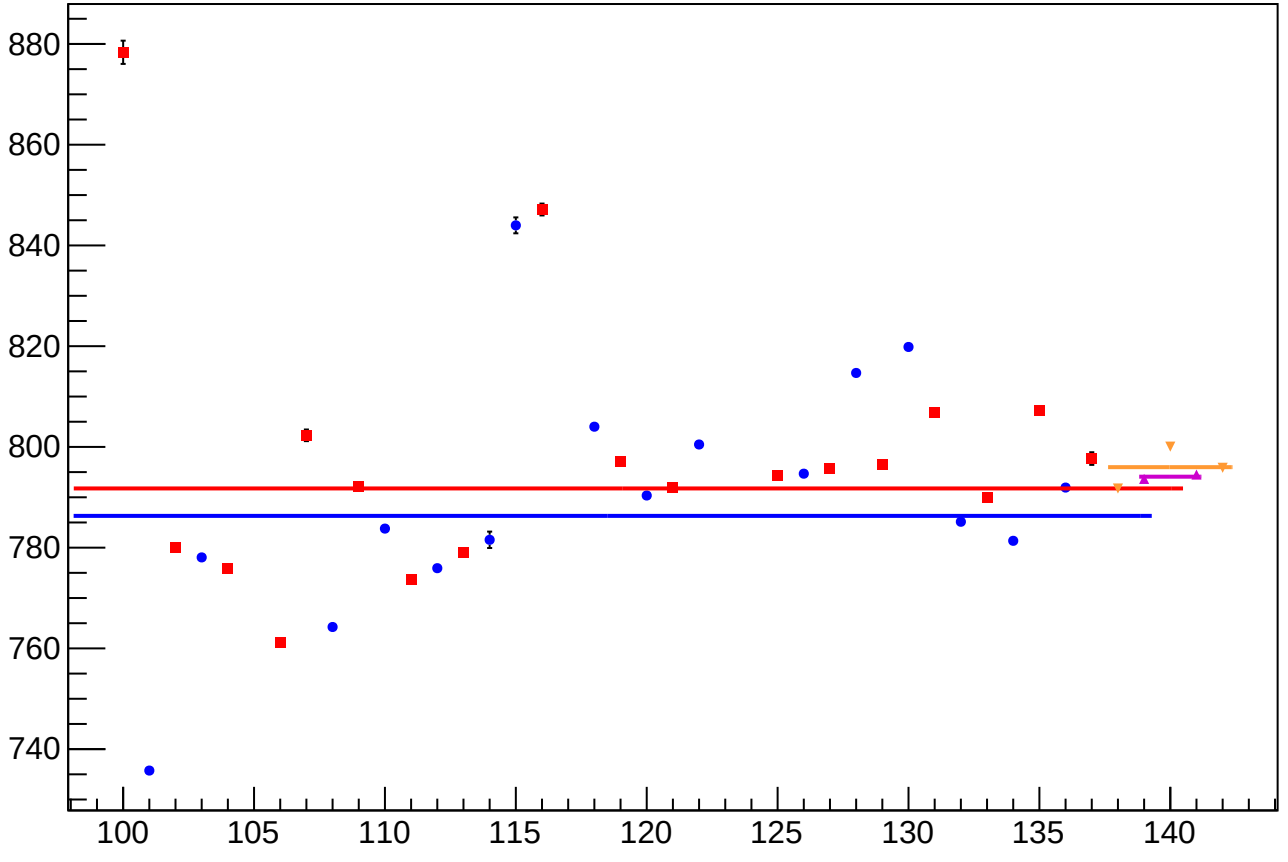
Left In: -2027.167+/-603.658 χ^2/NDF:0.2/1

+ sign 2152.325+/-258.447 χ^2/NDF: 11.5/18

All: 82.079+/-184.238 χ^2/NDF: 153.8/38

- sign -2057.004+/-262.709 χ^2/NDF: 11.8/19

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 795.982+/-0.392 χ^2/NDF:88.4/2

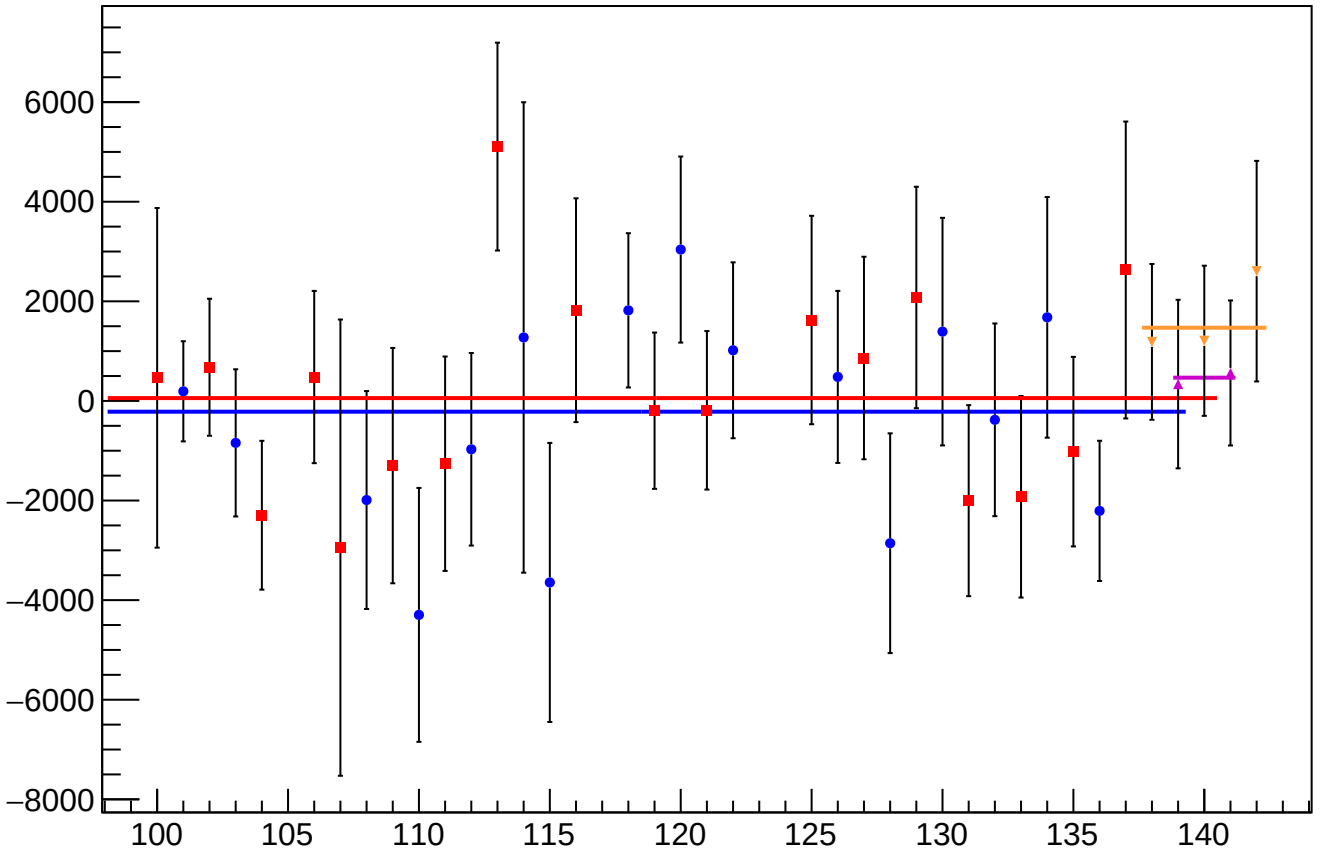
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 794.090+/-0.427 χ^2/NDF:1.0/1

+ sign 788.414+/-0.183 χ^2/NDF: 13136.3/18

All: 790.275+/-0.130 χ^2/NDF: 20387.6/38

- sign 792.198+/-0.186 χ^2/NDF: 7040.4/19



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

Left Out: 1470.040+/-974.755 χ^2/NDF:0.3/2

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

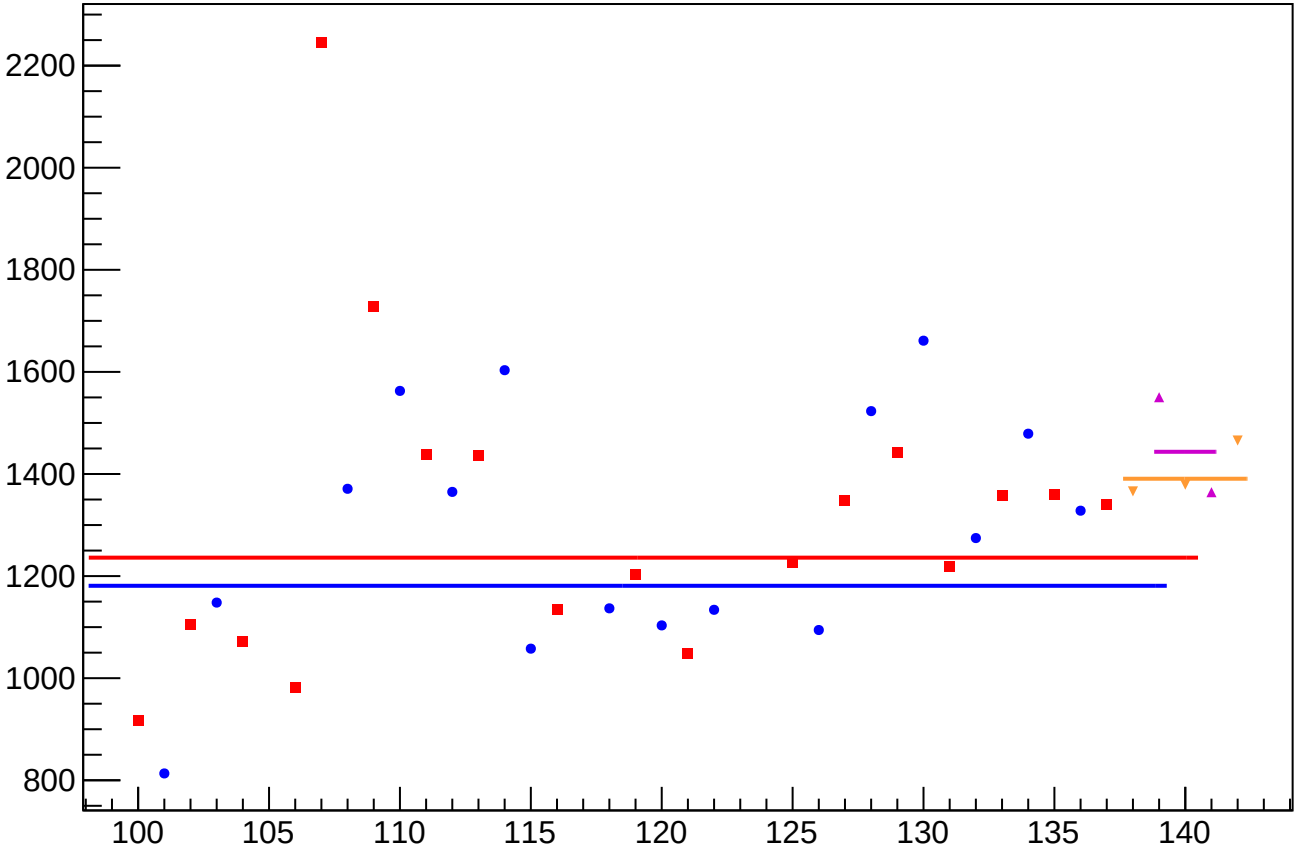
Left In: 466.714+/-1103.658 χ^2/NDF:0.0/1

\+ sign 79.553+/-408.216 χ^2/NDF: 18.1/18

All: 98.048+/-295.306 χ^2/NDF: 33.3/38

\- sign 118.352+/-427.718 χ^2/NDF: 15.3/19

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1390.709+/-0.689 χ^2/NDF:2908.1/2

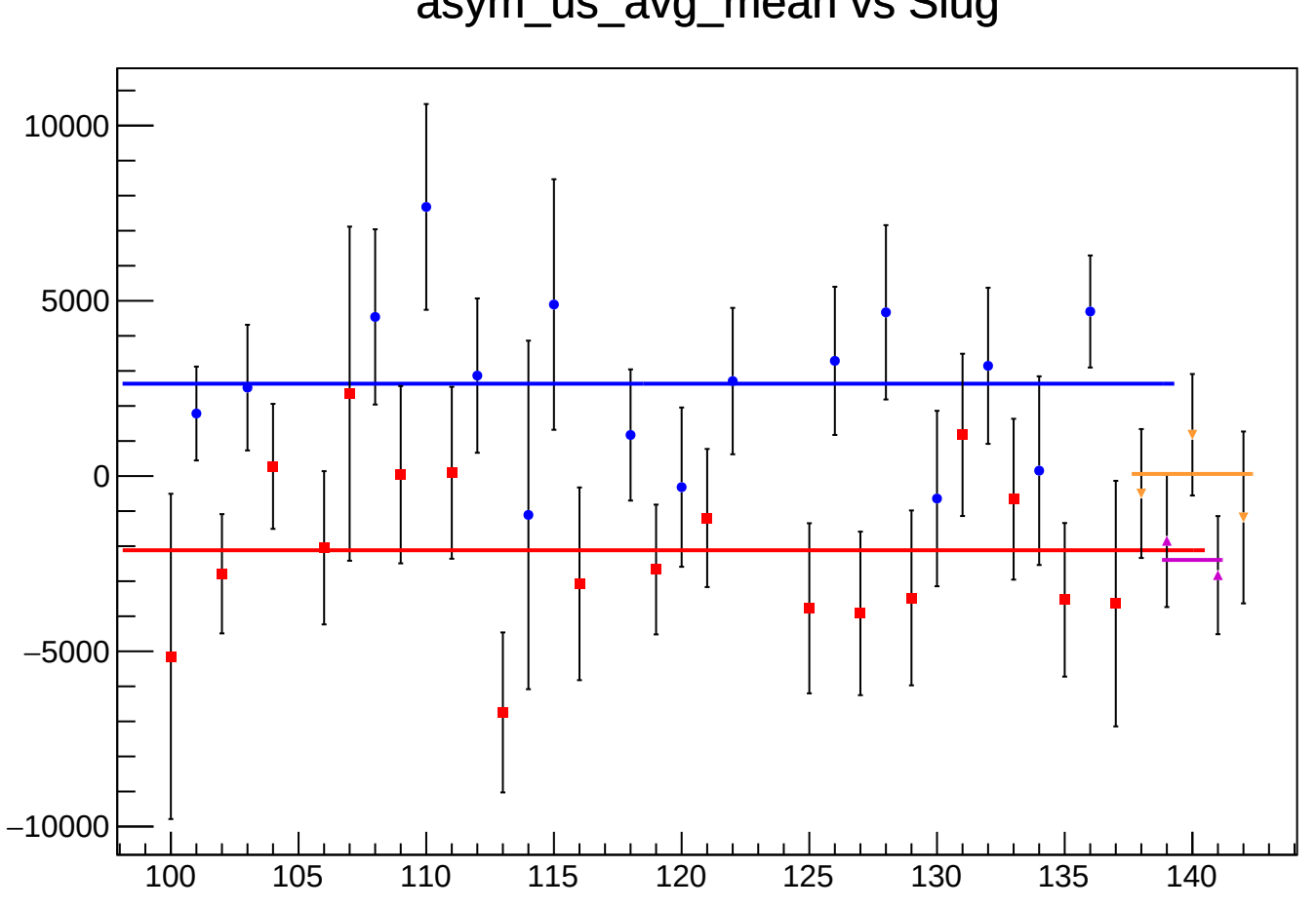
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1443.503+/-0.780 χ^2/NDF:13896.3/1

+ sign 1217.775+/-0.289 χ^2/NDF: 650353.0/18

All: 1241.372+/-0.209 χ^2/NDF: 1135513.0/38

- sign 1267.276+/-0.302 χ^2/NDF: 471141.4/19



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

Left Out: 60.649+/-1121.520 χ^2/NDF:0.8/2

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

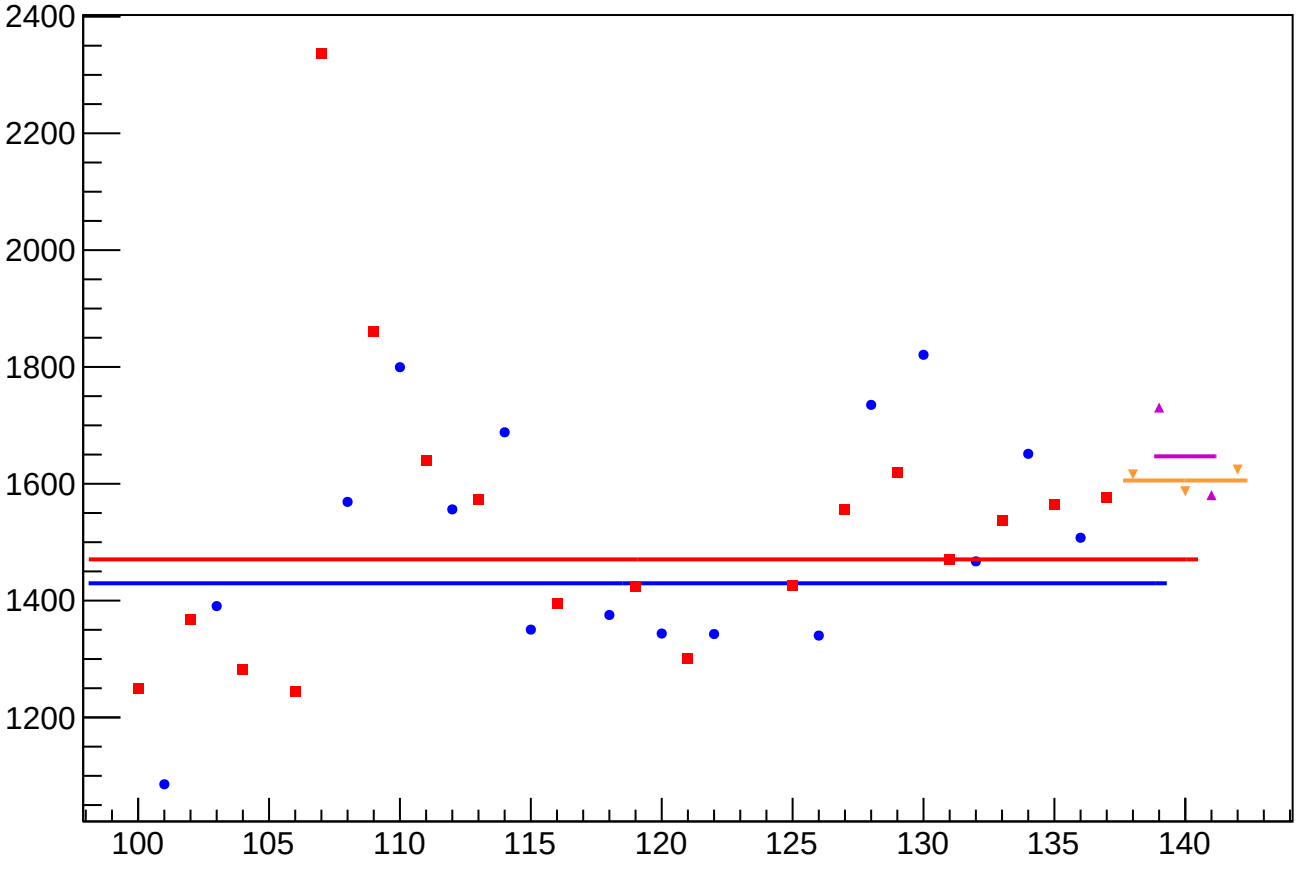
Left In: -2393.398+/-1257.408 χ^2/NDF:0.1/1

+ sign 2153.690+/-485.100 χ^2/NDF: 17.3/18

All: 69.958+/-348.828 χ^2/NDF: 69.4/38

- sign -2161.184+/-501.966 χ^2/NDF: 13.9/19

asym_us_avg_rms vs Slug



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

Left Out: 1605.673+/-0.793 χ^2/NDF:407.5/2

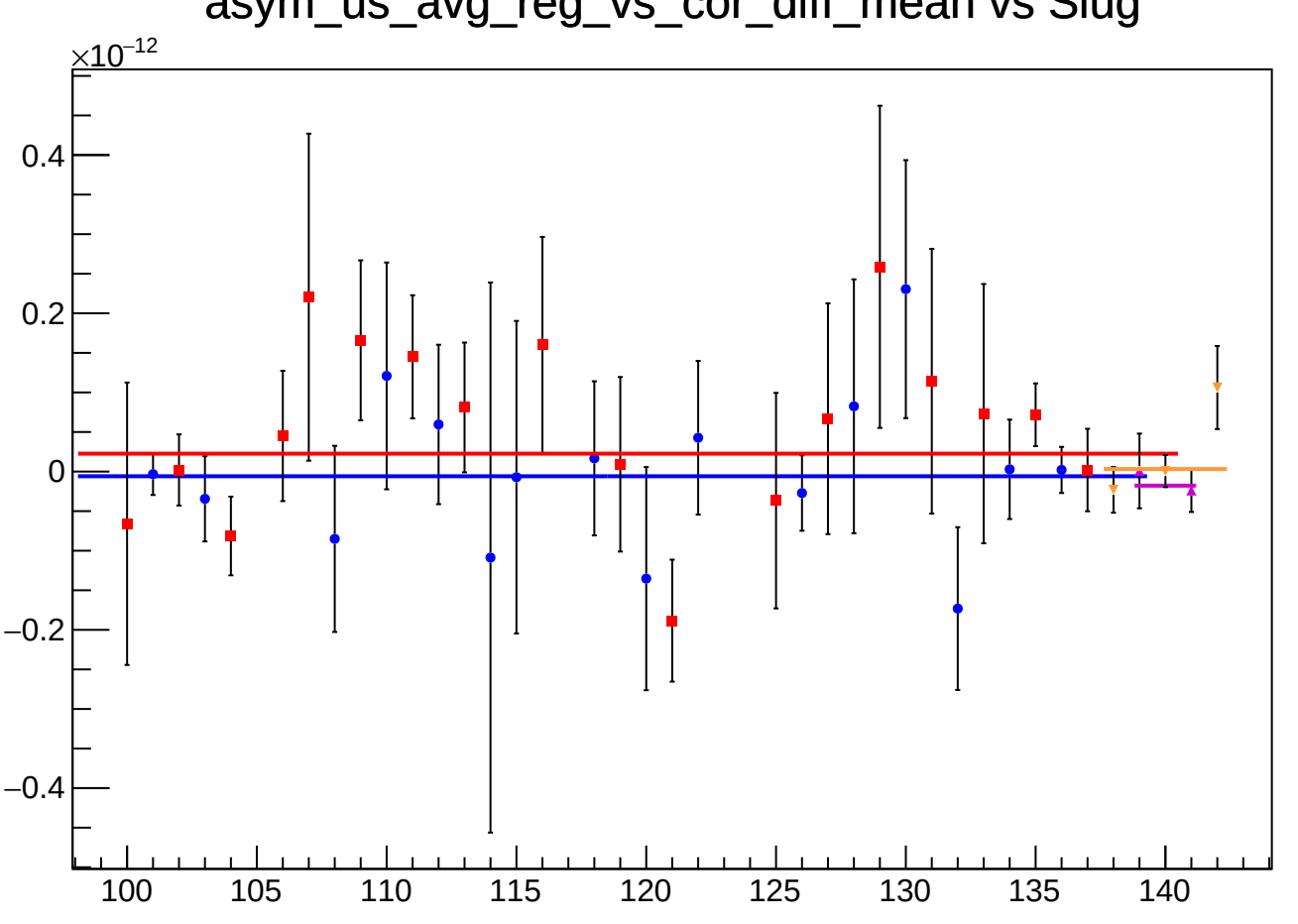
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1646.995+/-0.889 χ^2/NDF:7018.9/1

+ sign 1462.585+/-0.343 χ^2/NDF: 333843.9/18

All: 1480.017+/-0.247 χ^2/NDF: 597378.0/38

- sign 1498.682+/-0.355 χ^2/NDF: 258186.2/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/2

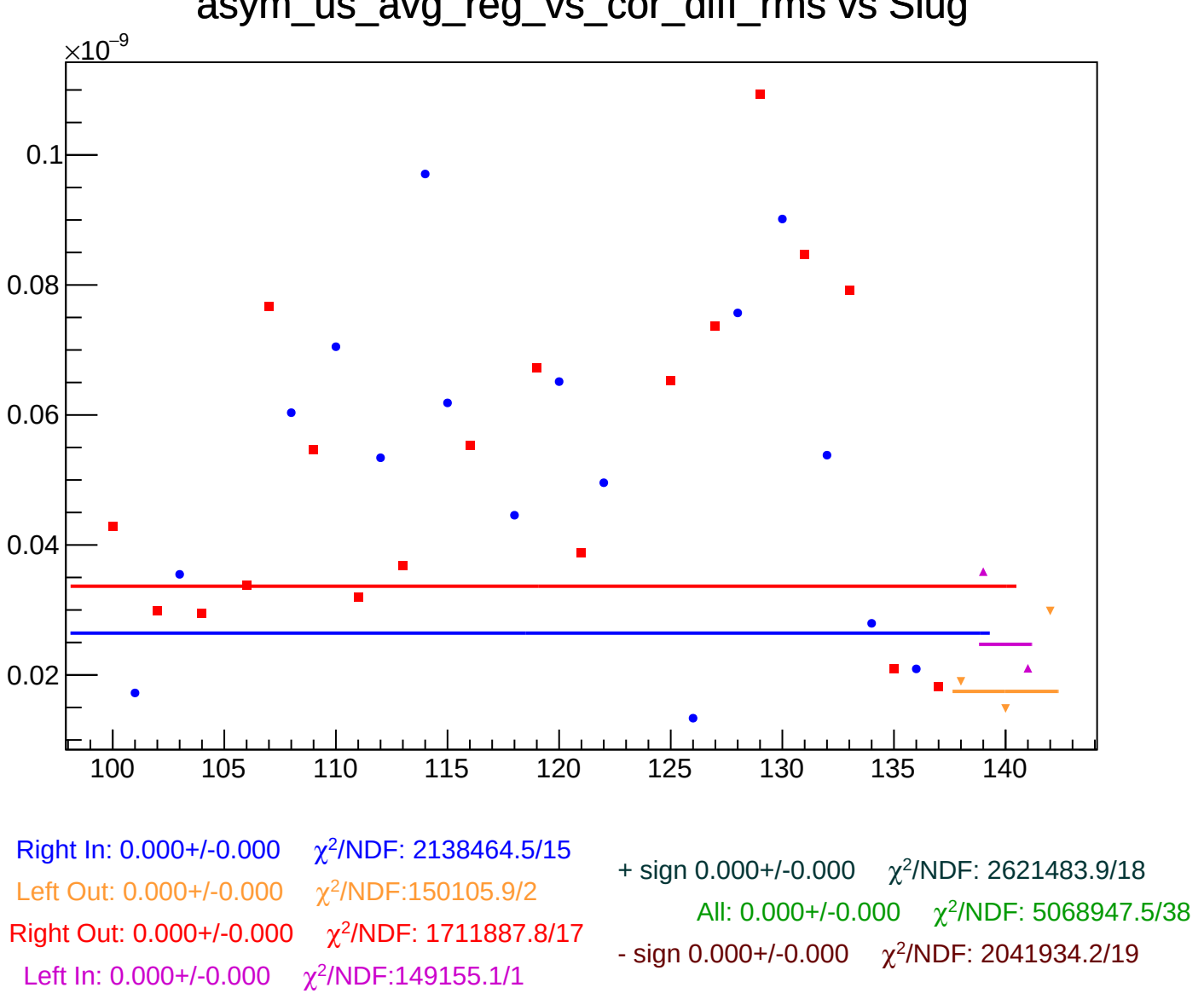
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

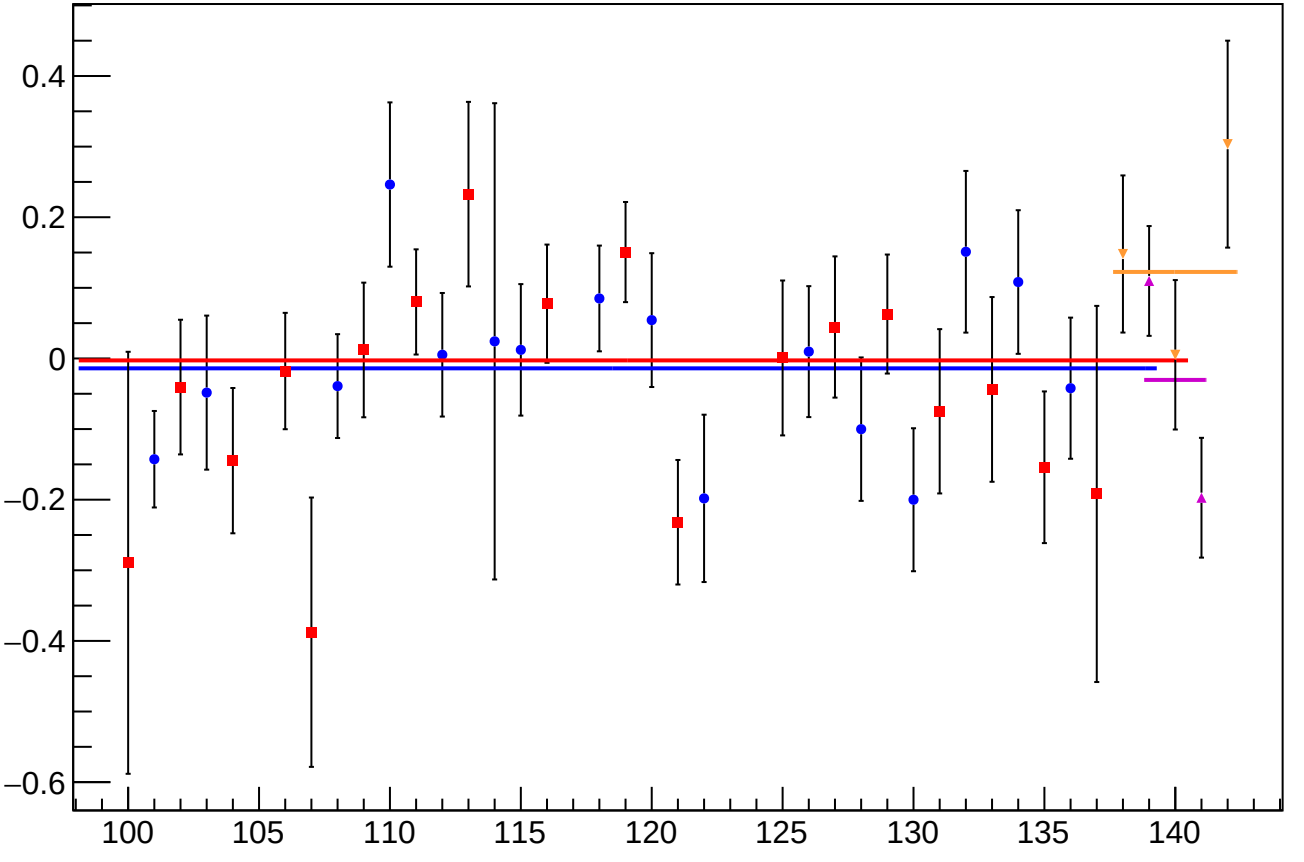
+ sign -0.000+/-0.000 χ^2/NDF: 13.4/18

All: 0.000+/-0.000 χ^2/NDF: 38.8/38

- sign 0.000+/-0.000 χ^2/NDF: 25.1/19


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
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:150105.9/2
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:149155.1/1
+ sign 0.000+/-0.000 χ²/NDF: 2621483.9/18
All: 0.000+/-0.000 χ²/NDF: 5068947.5/38
- sign 0.000+/-0.000 χ²/NDF: 2041934.2/19

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

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

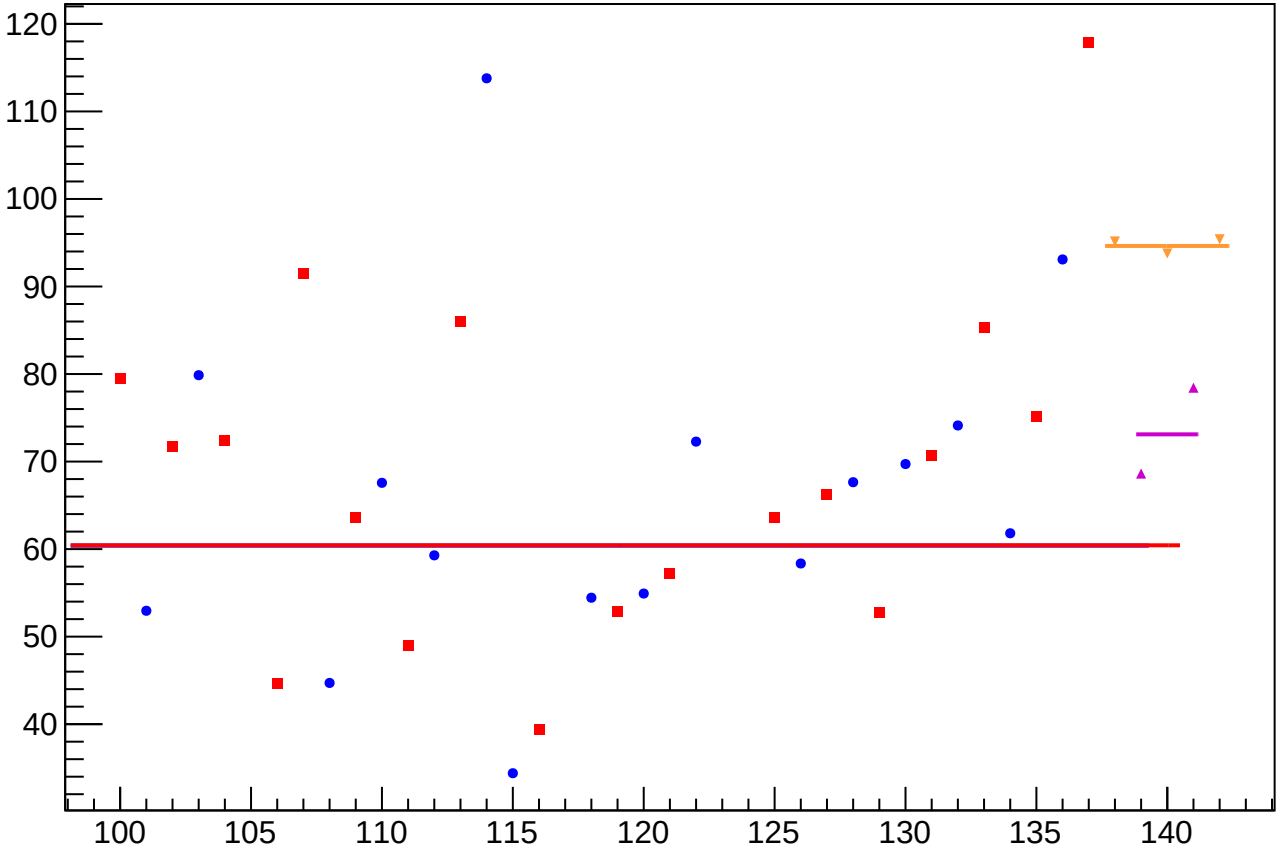
Left In: -0.030+/-0.057 χ^2/NDF:7.1/1

+ sign 0.001+/-0.023 χ^2/NDF: 27.8/18

All: -0.003+/-0.016 χ^2/NDF: 62.9/38

- sign -0.007+/-0.022 χ^2/NDF: 35.1/19

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.6/2

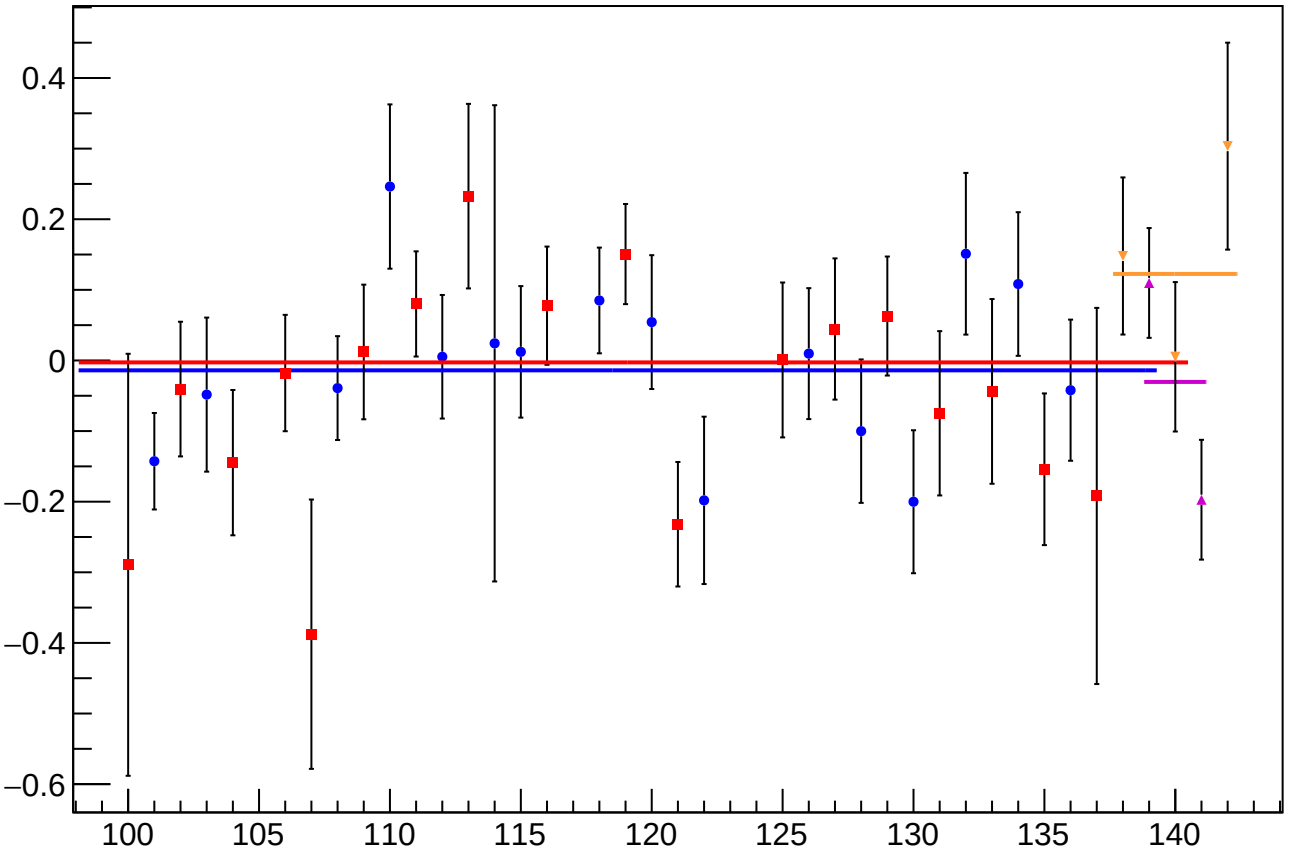
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 73.109+/-0.041 χ^2/NDF:14541.4/1

+ sign 64.158+/-0.016 χ^2/NDF: 1155491.8/18

All: 63.206+/-0.011 χ^2/NDF: 1971567.6/38

- sign 62.298+/-0.016 χ^2/NDF: 809078.6/19



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

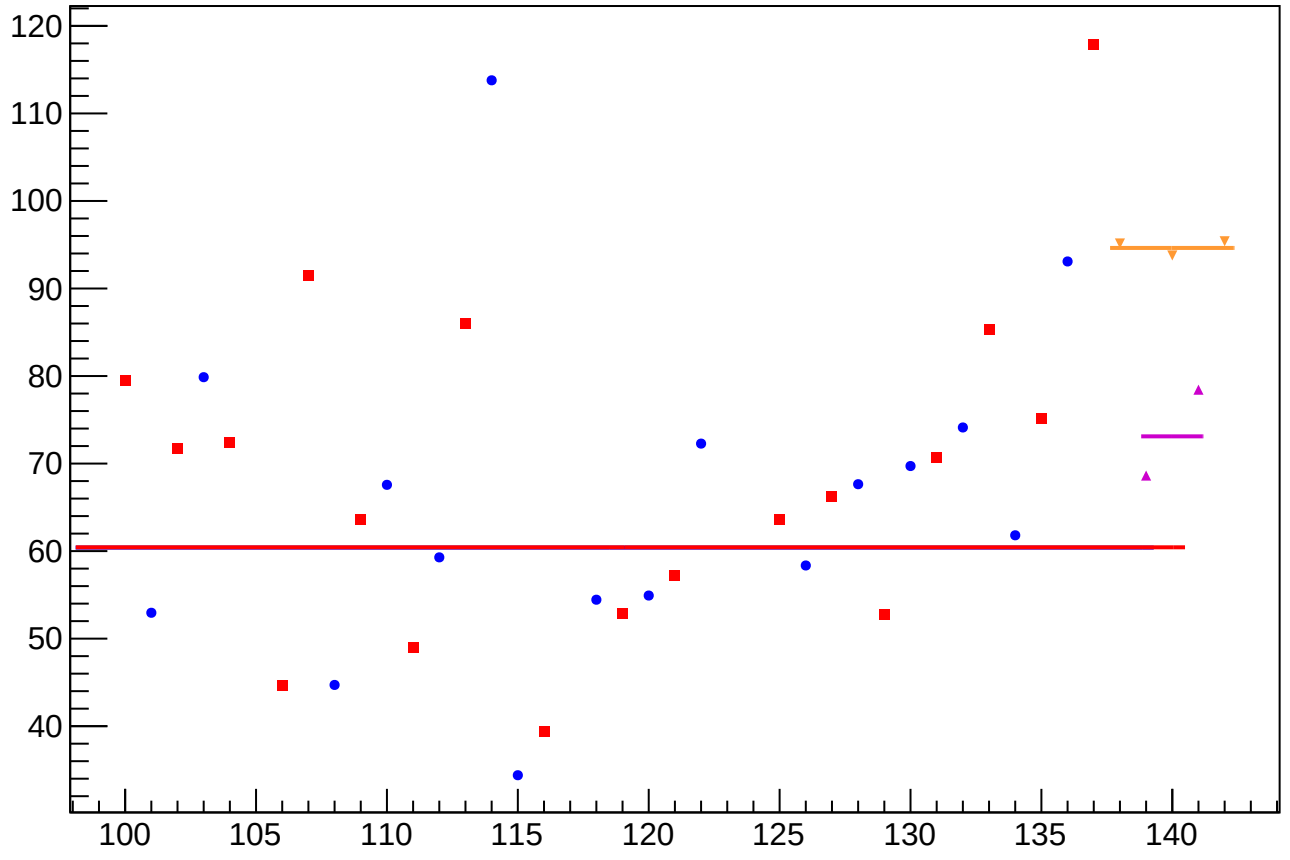
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.030+/-0.057 χ^2/NDF:7.1/1

+ sign 0.001+/-0.023 χ^2/NDF: 27.8/18

All: -0.003+/-0.016 χ^2/NDF: 62.9/38

- sign -0.007+/-0.022 χ^2/NDF: 35.1/19



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.6/2

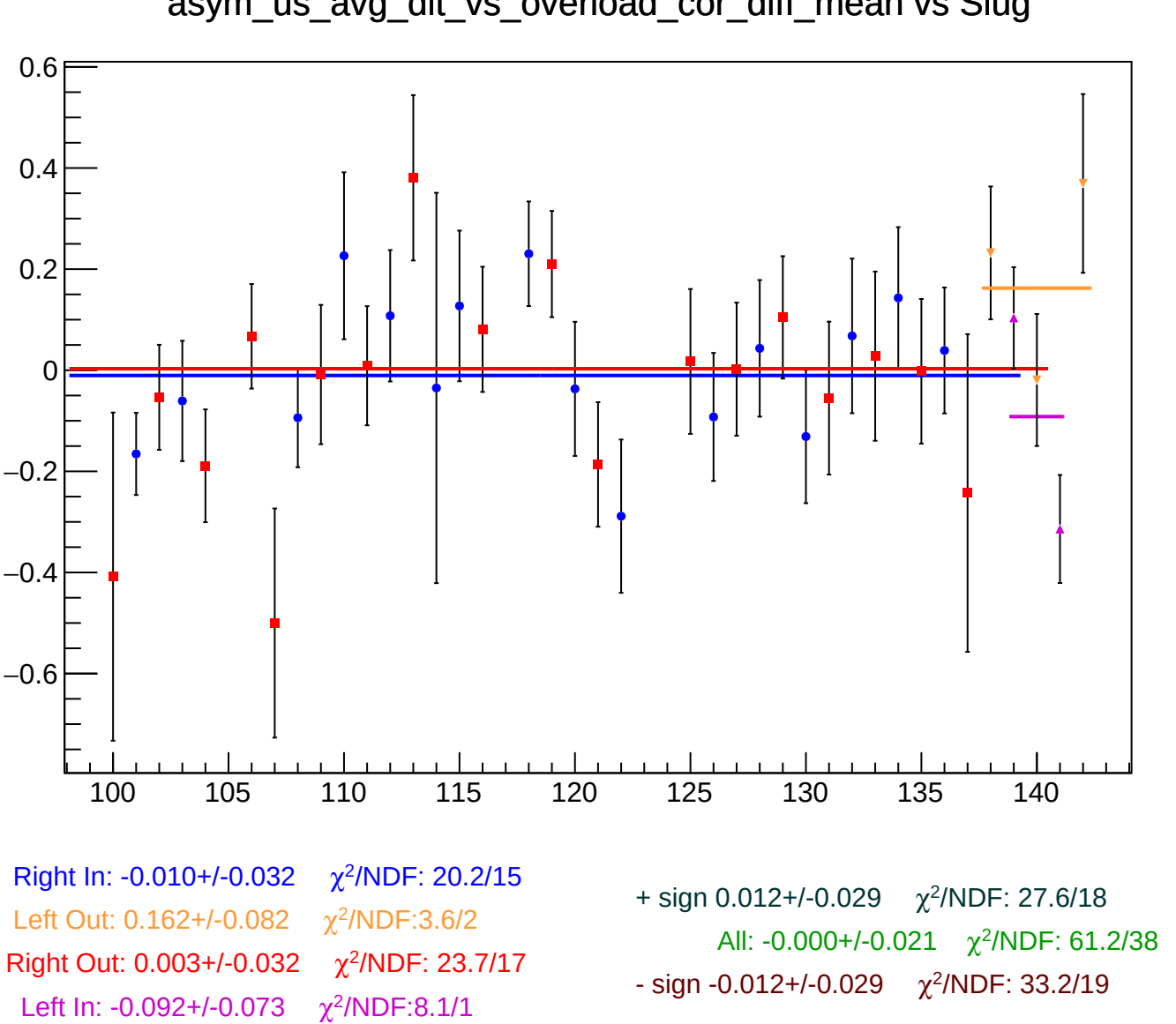
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 73.109+/-0.041 χ^2/NDF:14541.4/1

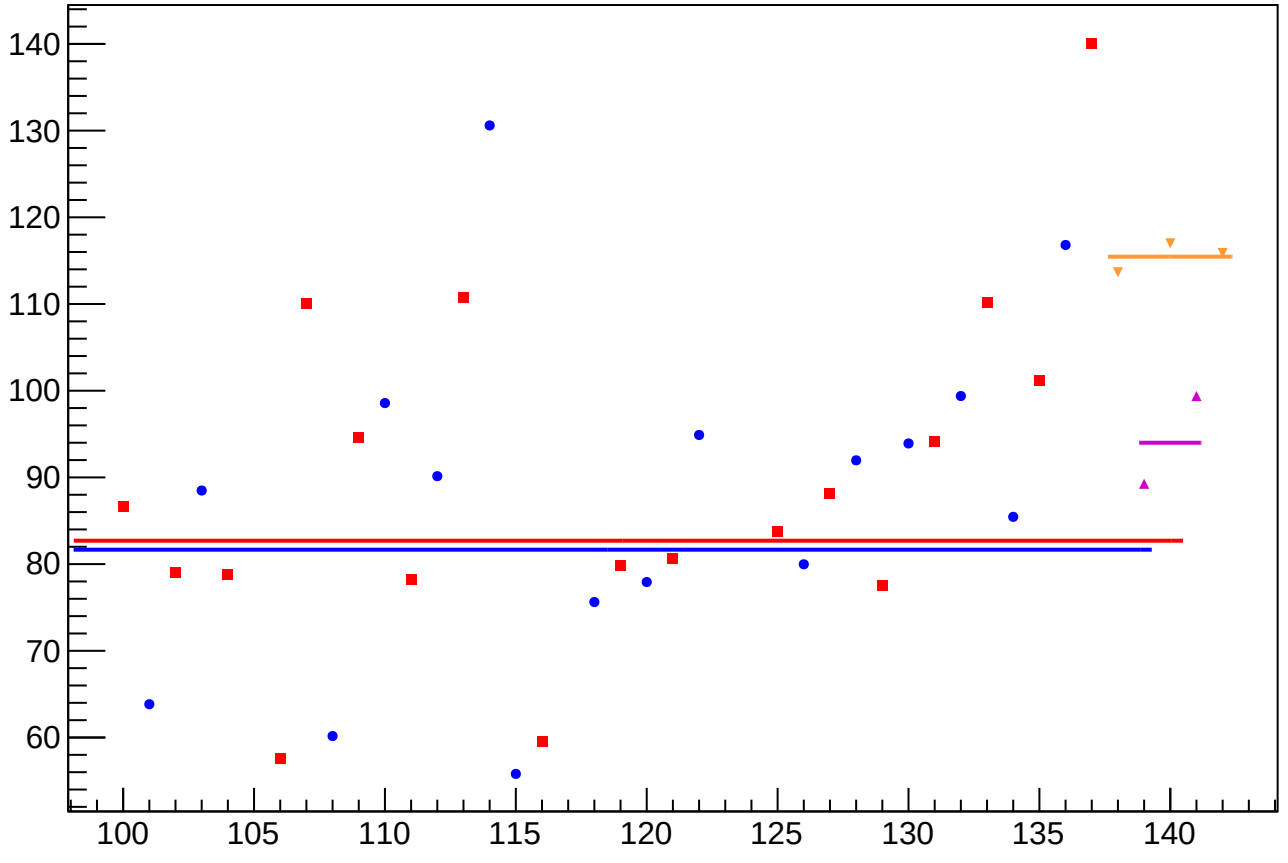
+ sign 64.158+/-0.016 χ^2/NDF: 1155491.8/18

All: 63.206+/-0.011 χ^2/NDF: 1971567.6/38

- sign 62.298+/-0.016 χ^2/NDF: 809078.6/19


asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
Right In: -0.010+/-0.032 χ²/NDF: 20.2/15
Left Out: 0.162+/-0.082 χ²/NDF:3.6/2
Right Out: 0.003+/-0.032 χ²/NDF: 23.7/17
Left In: -0.092+/-0.073 χ²/NDF:8.1/1
+ sign 0.012+/-0.029 χ²/NDF: 27.6/18
All: -0.000+/-0.021 χ²/NDF: 61.2/38
- sign -0.012+/-0.029 χ²/NDF: 33.2/19

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 115.458+/-0.058 χ^2/NDF:664.7/2

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

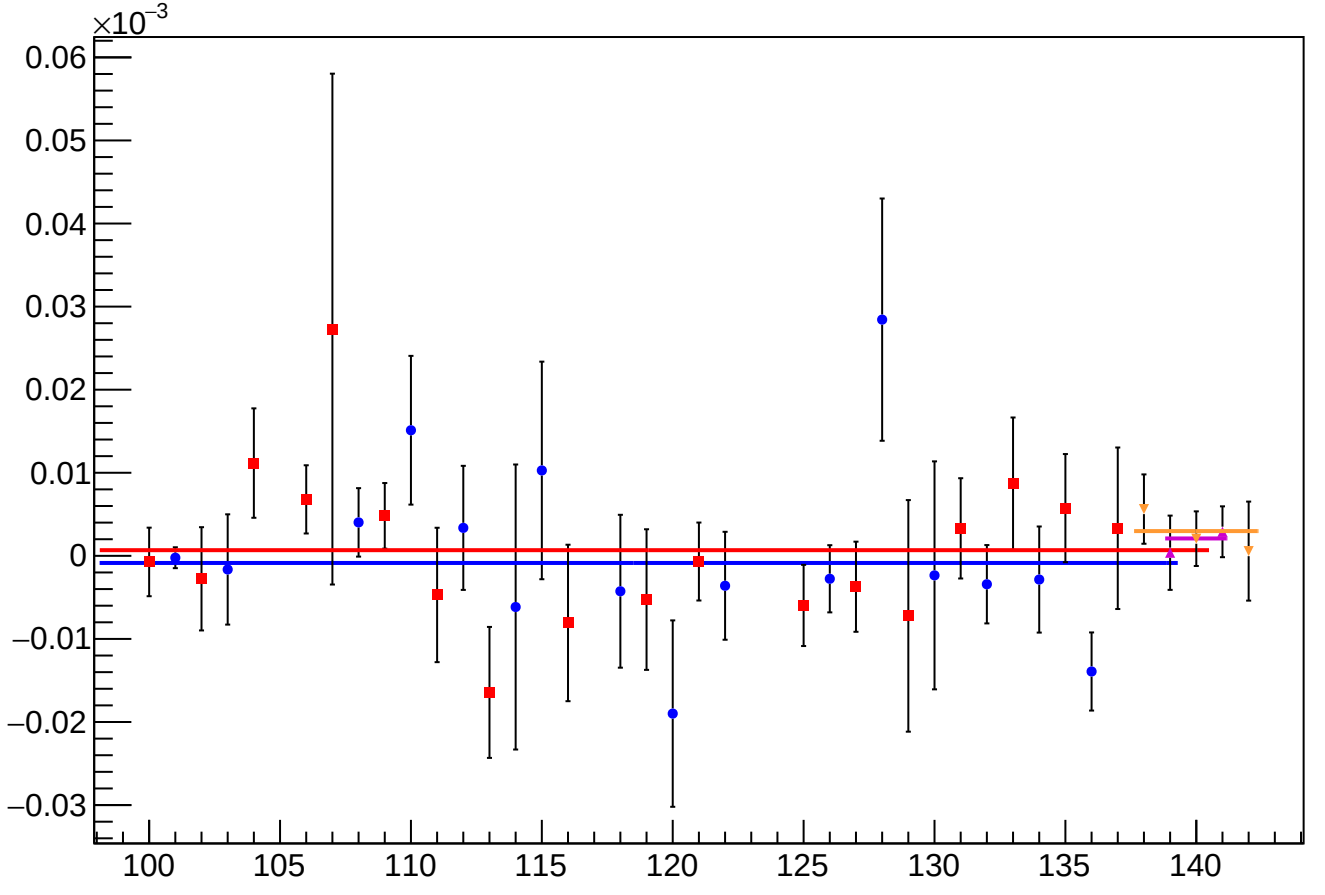
Left In: 94.000+/-0.052 χ^2/NDF:9539.8/1

+ sign 86.031+/-0.021 χ^2/NDF: 858036.1/18

All: 85.253+/-0.015 χ^2/NDF: 1383622.8/38

- sign 84.495+/-0.021 χ^2/NDF: 522837.9/19

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:0.6/2

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

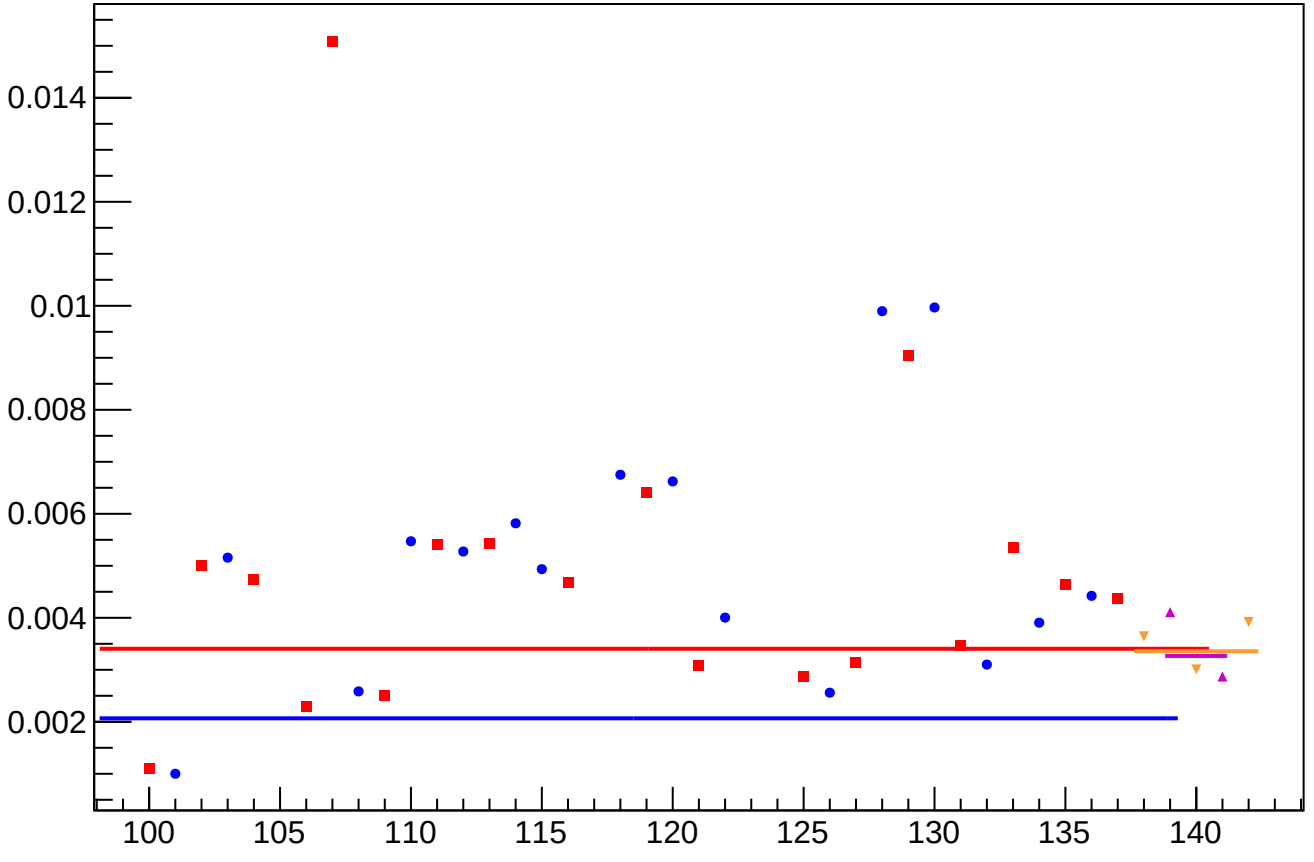
Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/18

All: 0.000+/-0.000 χ^2/NDF: 43.7/38

- sign 0.000+/-0.000 χ^2/NDF: 18.8/19

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.003+/-0.000 χ^2/NDF:49877.7/2

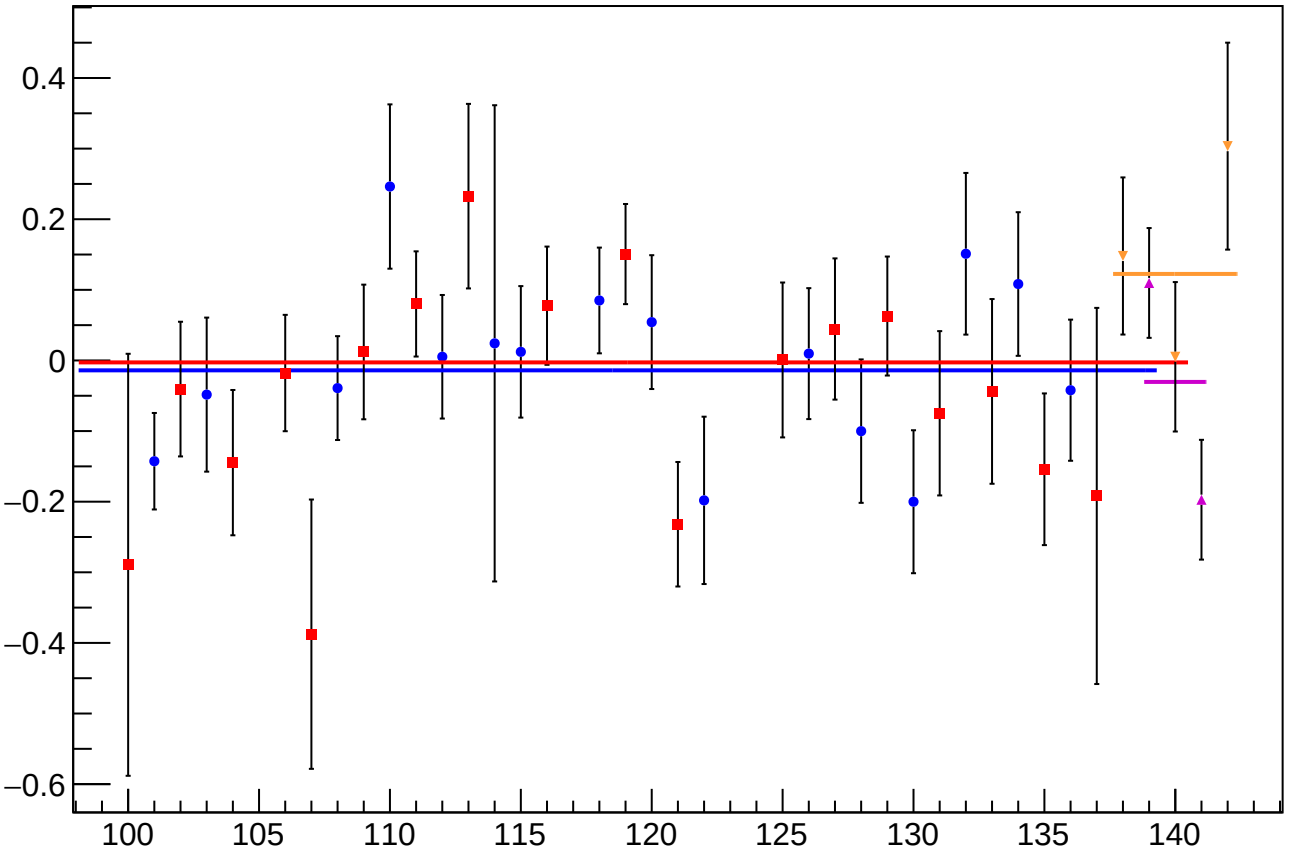
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:104424.8/1

+ sign 0.002+/-0.000 χ^2/NDF: 6364777.8/18

All: 0.003+/-0.000 χ^2/NDF: 9984878.0/38

- sign 0.003+/-0.000 χ^2/NDF: 2600300.4/19



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

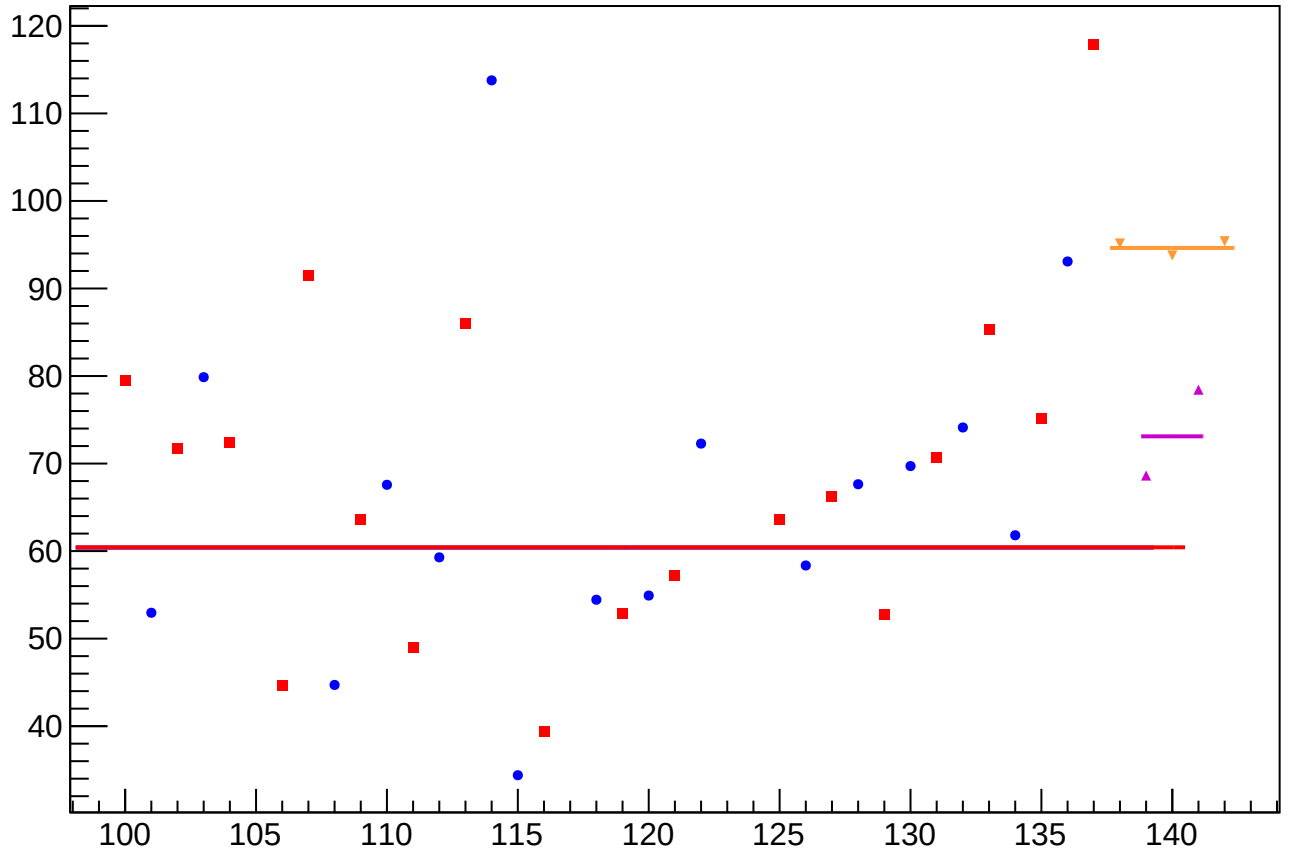
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.030+/-0.057 χ^2/NDF:7.1/1

+ sign 0.001+/-0.023 χ^2/NDF: 27.8/18

All: -0.003+/-0.016 χ^2/NDF: 62.9/38

- sign -0.007+/-0.022 χ^2/NDF: 35.1/19



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.9/2

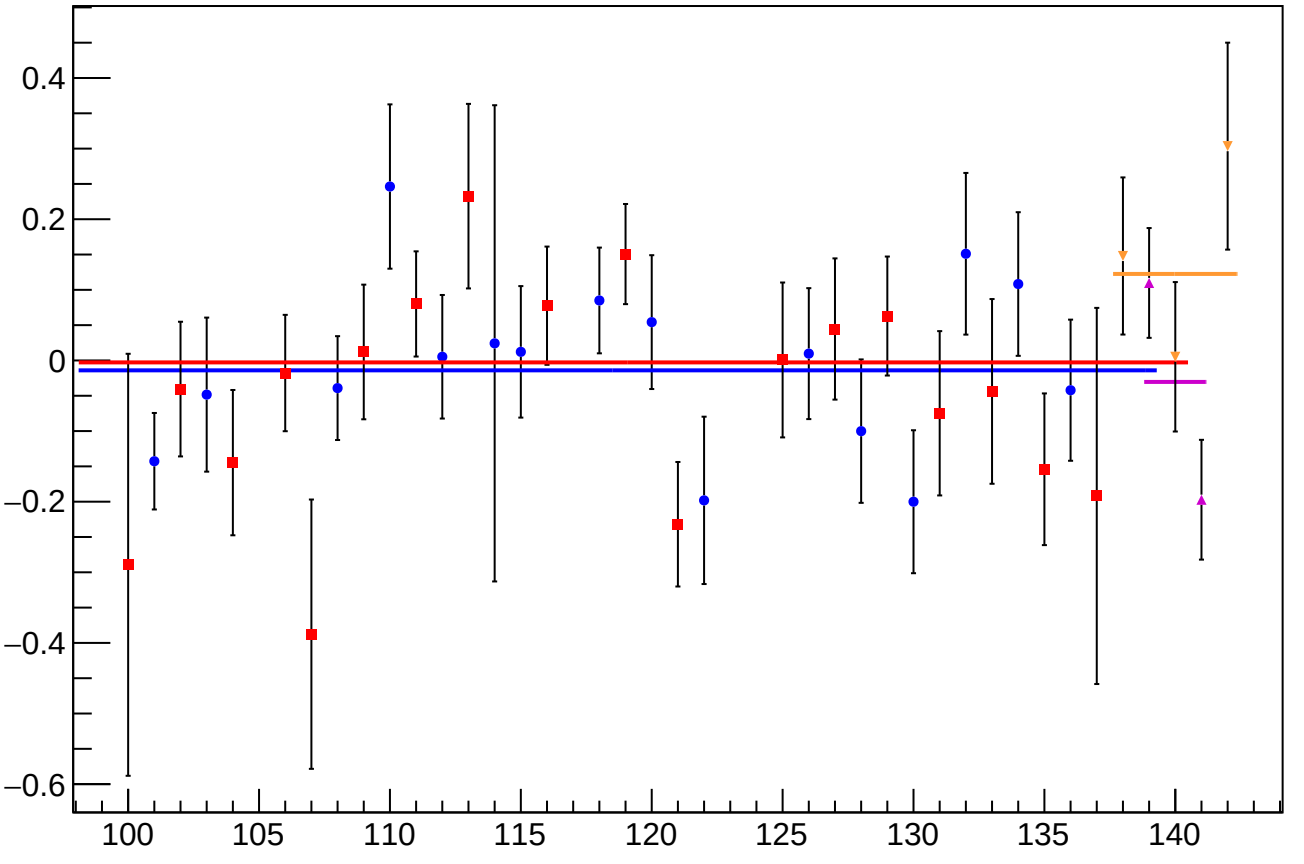
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 73.110+/-0.041 χ^2/NDF:14537.2/1

+ sign 64.157+/-0.016 χ^2/NDF: 1155548.4/18

All: 63.204+/-0.011 χ^2/NDF: 1971679.3/38

- sign 62.296+/-0.016 χ^2/NDF: 809132.7/19



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

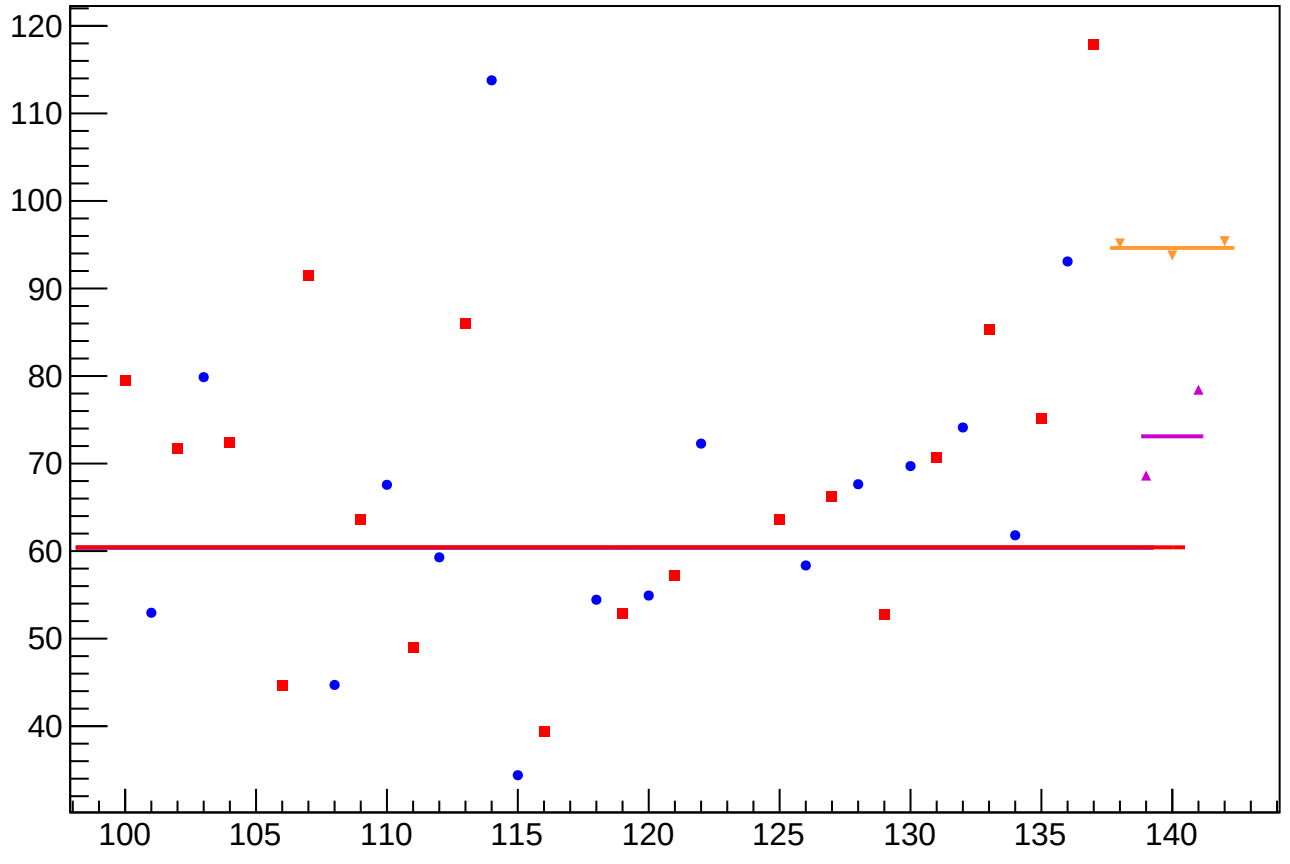
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.030+/-0.057 χ^2/NDF:7.1/1

+ sign 0.001+/-0.023 χ^2/NDF: 27.8/18

All: -0.003+/-0.016 χ^2/NDF: 62.9/38

- sign -0.007+/-0.022 χ^2/NDF: 35.1/19



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.9/2

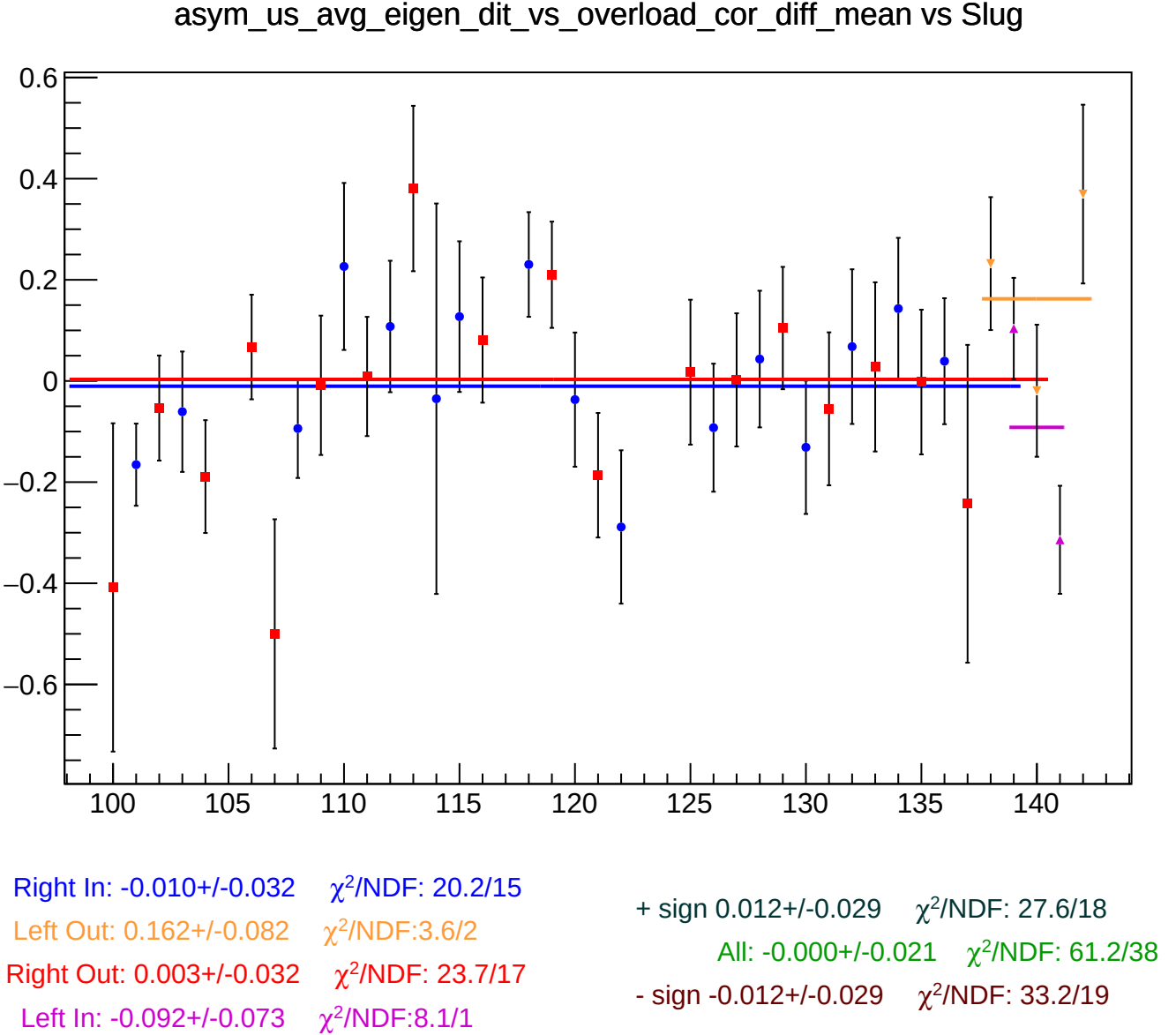
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

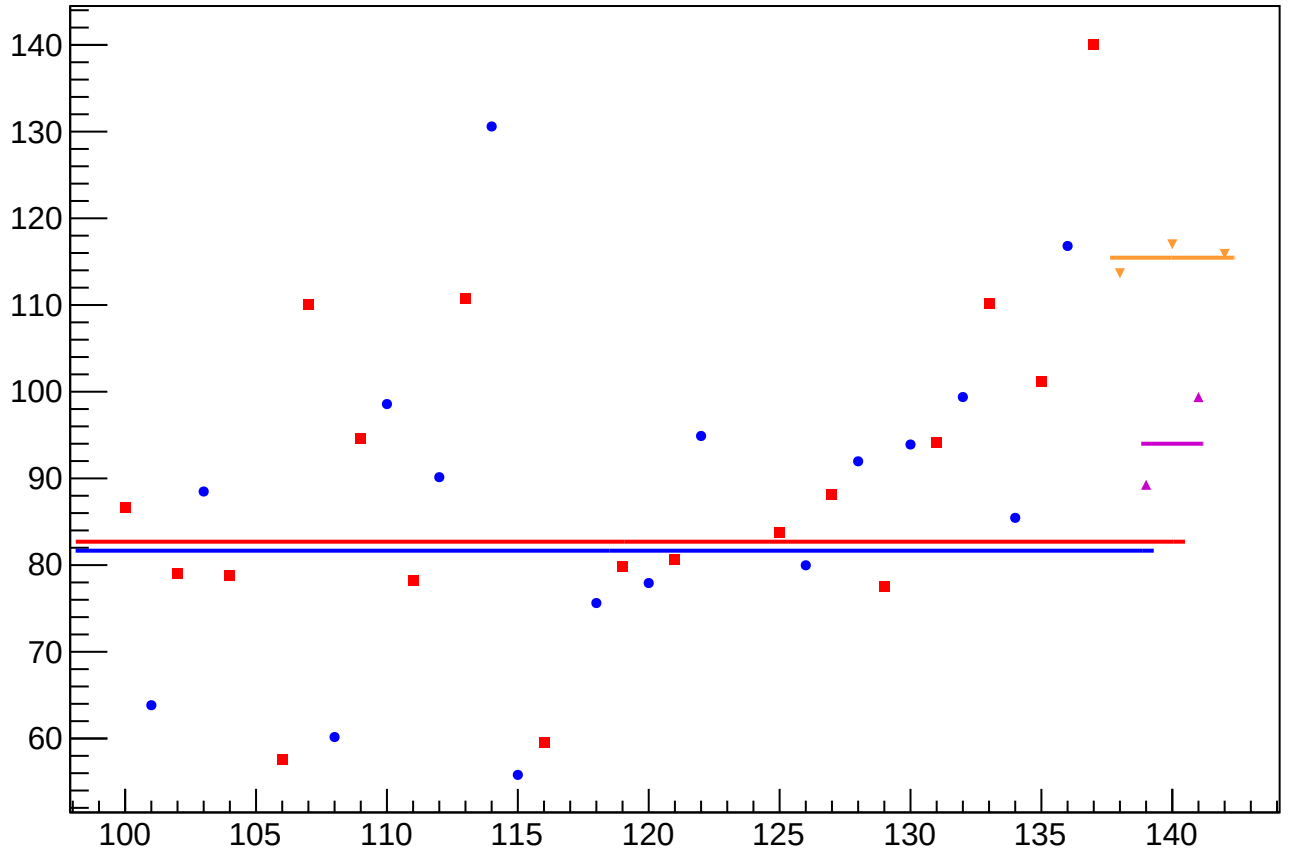
Left In: 73.110+/-0.041 χ^2/NDF:14537.2/1

+ sign 64.157+/-0.016 χ^2/NDF: 1155548.4/18

All: 63.204+/-0.011 χ^2/NDF: 1971679.3/38

- sign 62.296+/-0.016 χ^2/NDF: 809132.7/19


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
Right In: -0.010+/-0.032 χ²/NDF: 20.2/15
Left Out: 0.162+/-0.082 χ²/NDF:3.6/2
Right Out: 0.003+/-0.032 χ²/NDF: 23.7/17
Left In: -0.092+/-0.073 χ²/NDF:8.1/1
+ sign 0.012+/-0.029 χ²/NDF: 27.6/18
All: -0.000+/-0.021 χ²/NDF: 61.2/38
- sign -0.012+/-0.029 χ²/NDF: 33.2/19



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

Left Out: 115.458+/-0.058 χ^2/NDF:664.7/2

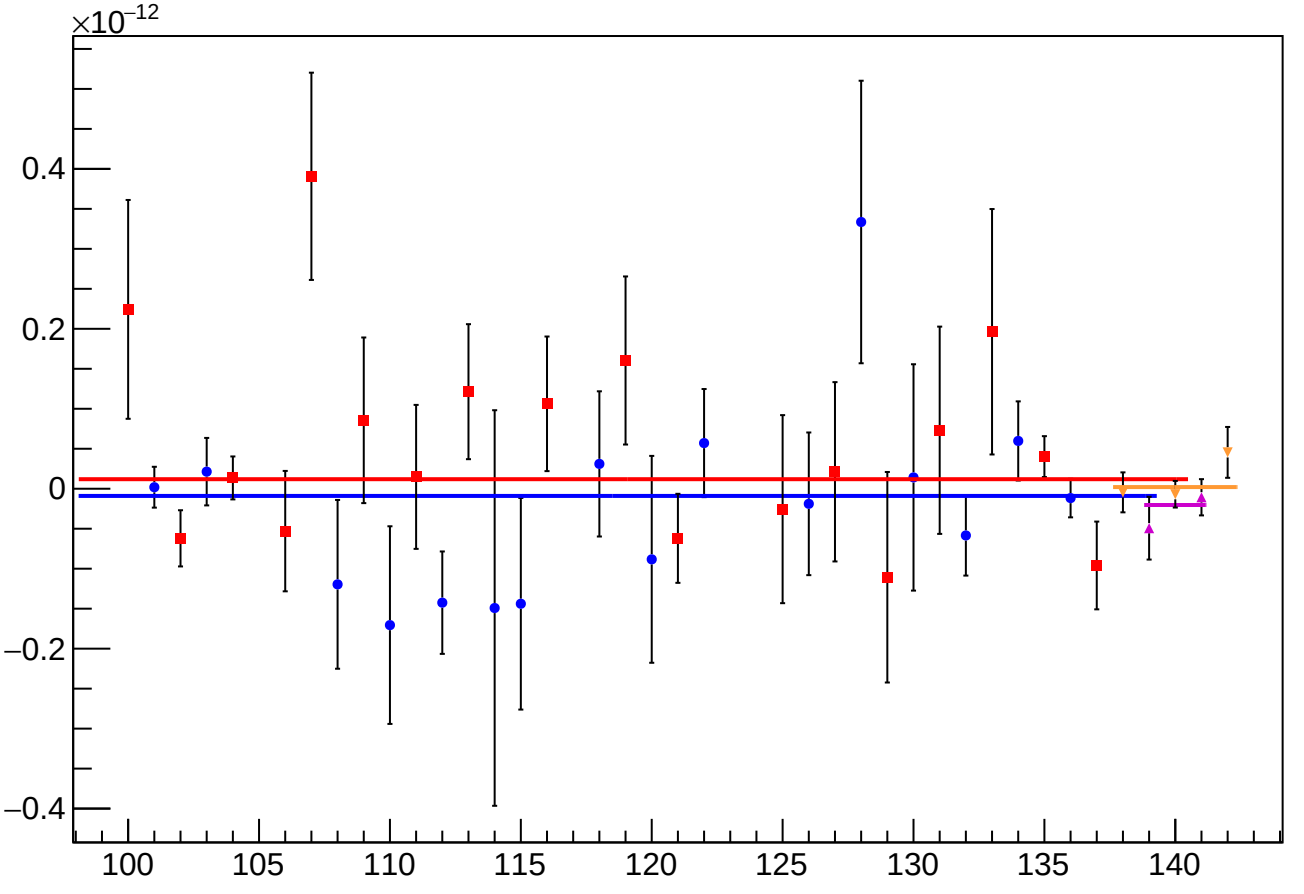
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 94.000+/-0.052 χ^2/NDF:9537.5/1

+ sign 86.030+/-0.021 χ^2/NDF: 858041.6/18

All: 85.252+/-0.015 χ^2/NDF: 1383633.9/38

- sign 84.494+/-0.021 χ^2/NDF: 522843.1/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/2

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

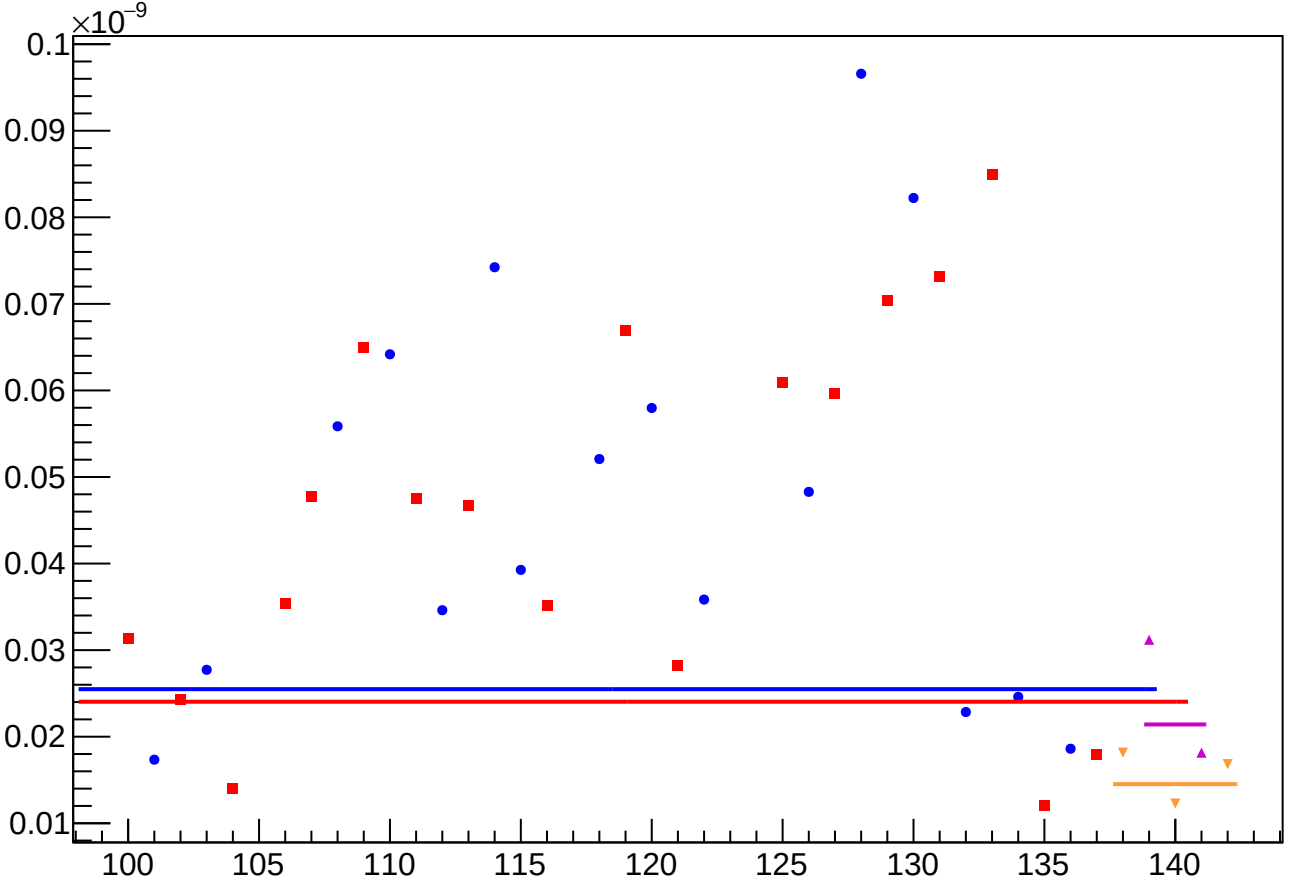
Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.0/18

All: -0.000+/-0.000 χ^2/NDF: 53.8/38

- sign 0.000+/-0.000 χ^2/NDF: 33.6/19

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:89158.5/2

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

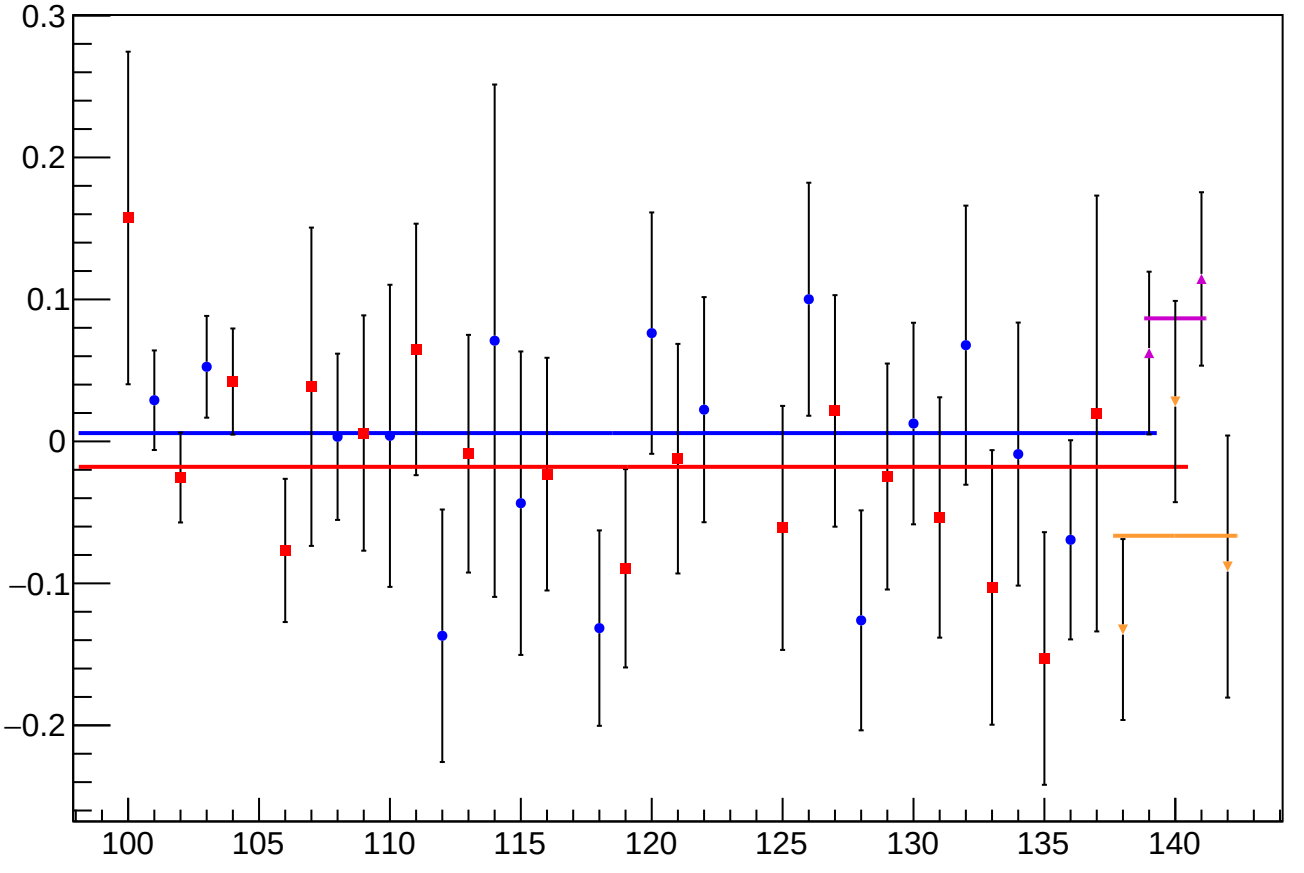
Left In: 0.000+/-0.000 χ^2/NDF:165554.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 2803637.0/18

All: 0.000+/-0.000 χ^2/NDF: 6192220.3/38

- sign 0.000+/-0.000 χ^2/NDF: 3274589.7/19

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.066+/-0.042 χ^2/NDF:2.9/2

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

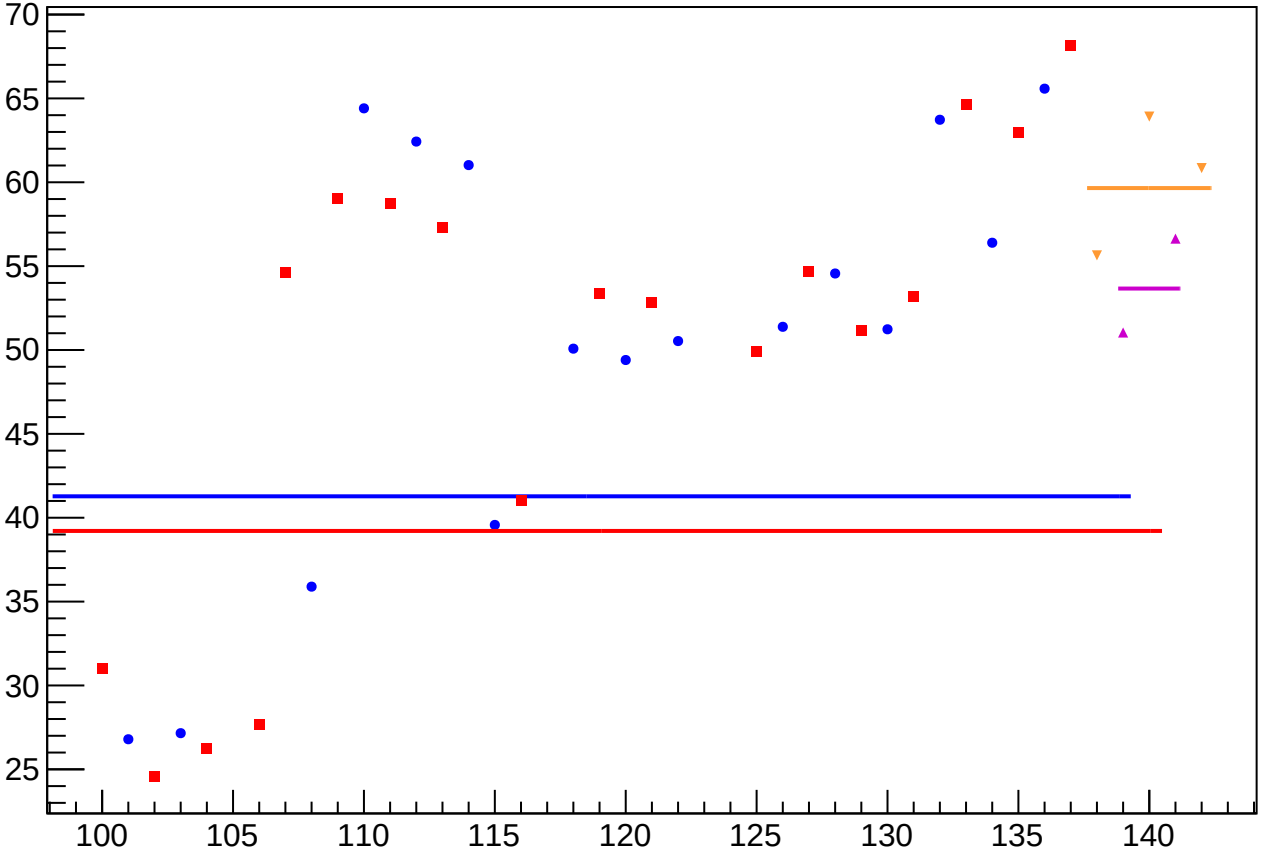
Left In: 0.087+/-0.042 χ^2/NDF:0.4/1

+ sign -0.004+/-0.015 χ^2/NDF: 21.0/18

All: -0.004+/-0.011 χ^2/NDF: 39.2/38

- sign -0.005+/-0.015 χ^2/NDF: 18.2/19

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 59.654+/-0.030 χ^2/NDF:15494.3/2

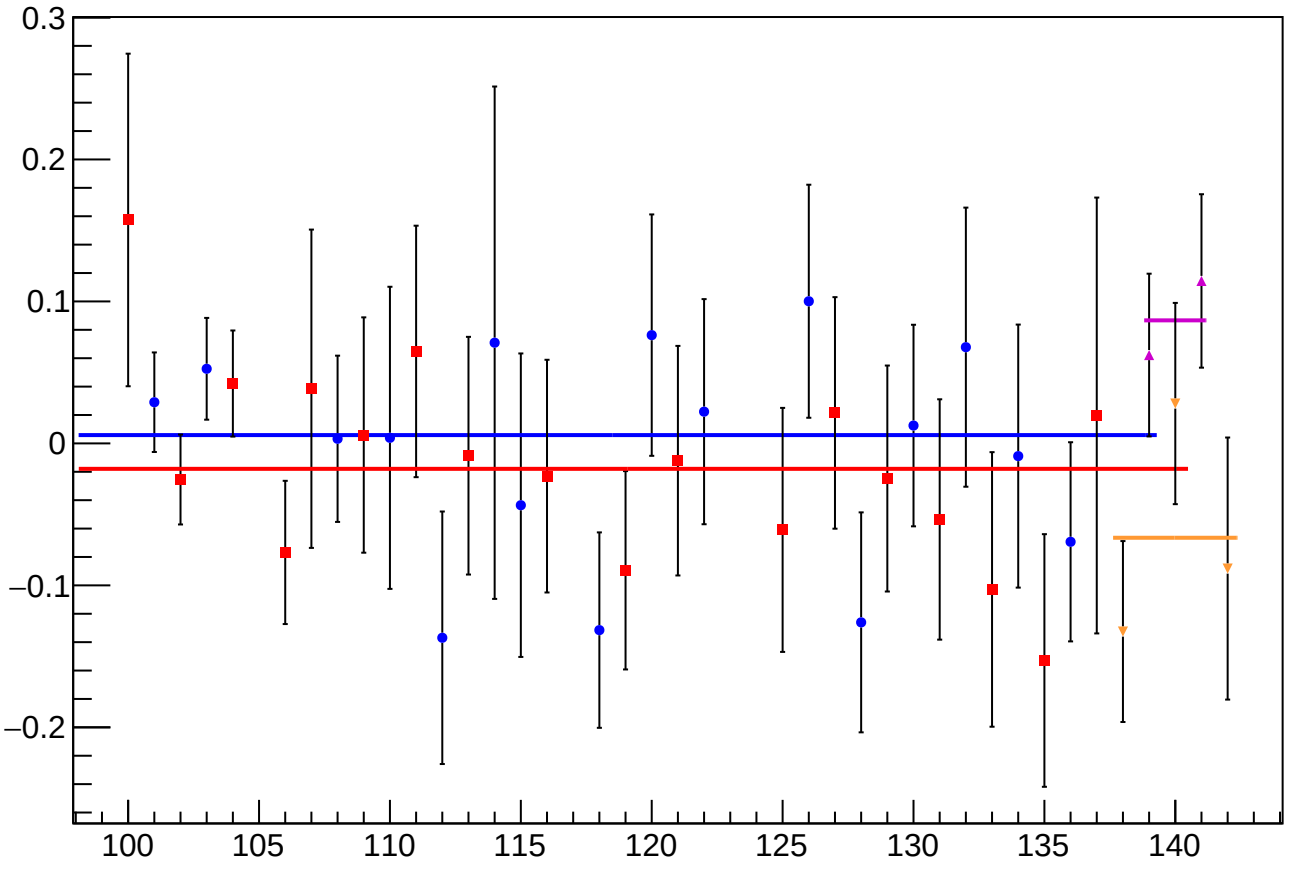
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 53.663+/-0.030 χ^2/NDF:8932.7/1

+ sign 43.725+/-0.011 χ^2/NDF: 1850212.4/18

All: 42.306+/-0.008 χ^2/NDF: 3921105.6/38

- sign 41.006+/-0.010 χ^2/NDF: 2038298.3/19



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

Left Out: -0.066+/-0.042 χ^2/NDF:2.9/2

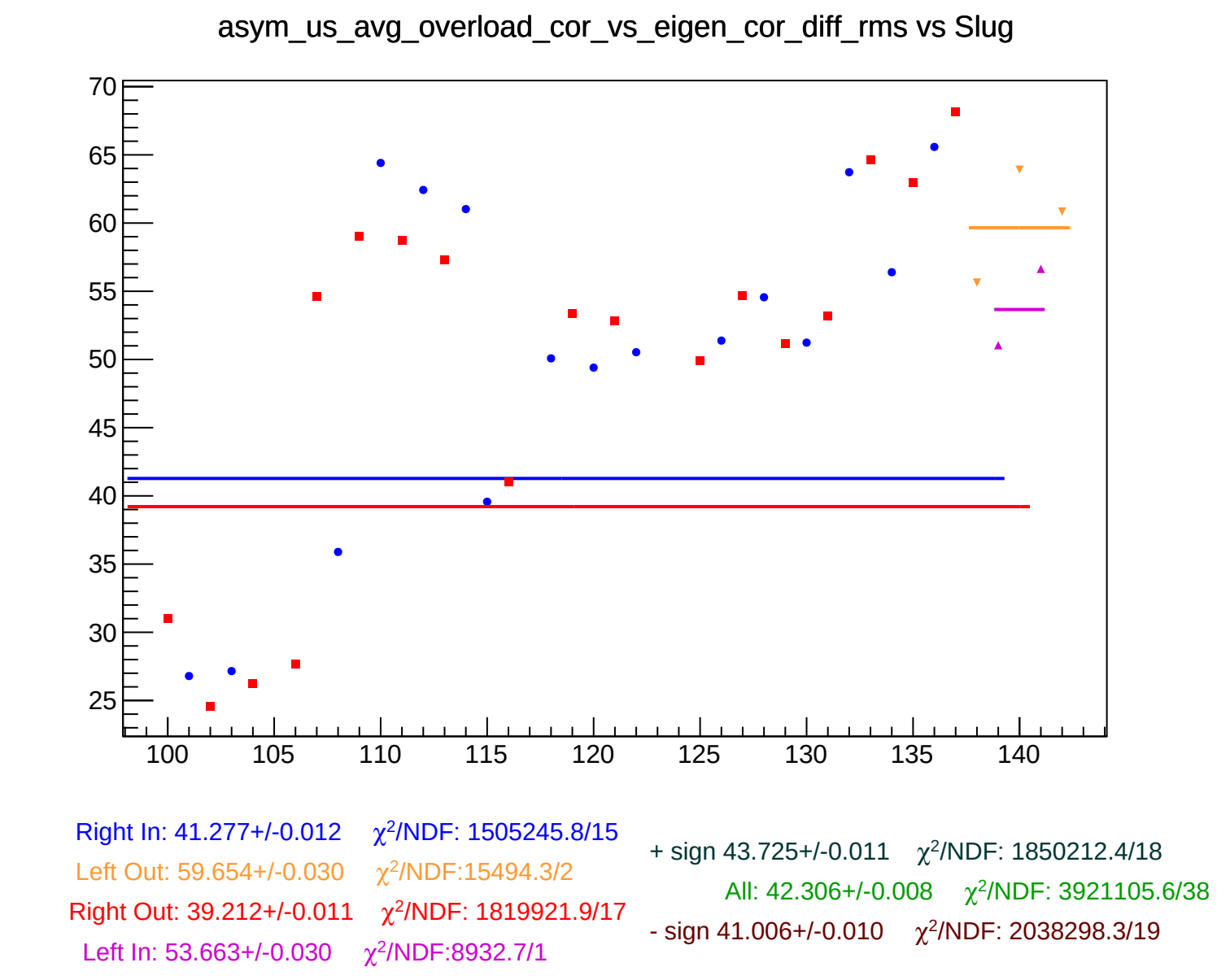
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.087+/-0.042 χ^2/NDF:0.4/1

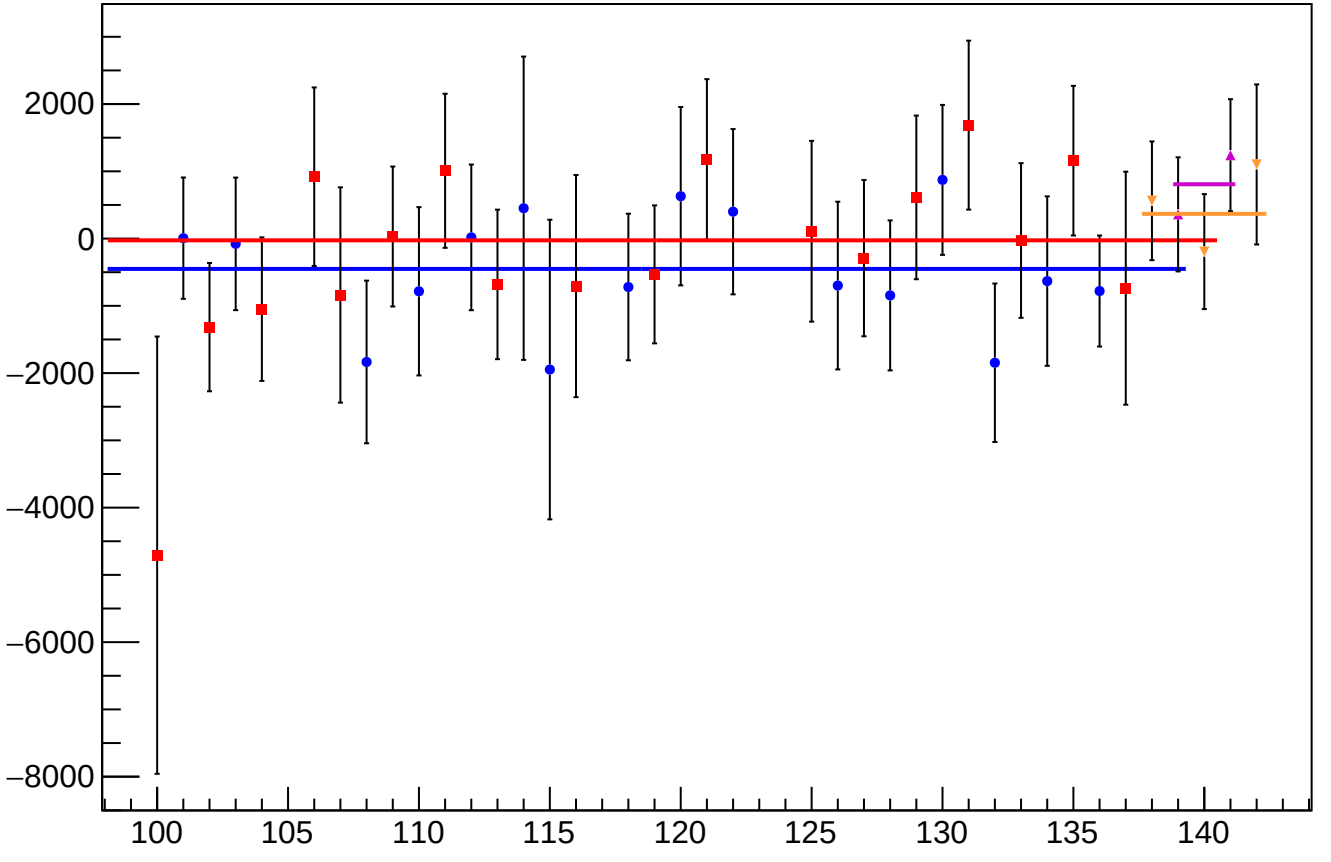
+ sign -0.004+/-0.015 χ^2/NDF: 21.0/18

All: -0.004+/-0.011 χ^2/NDF: 39.2/38

- sign -0.005+/-0.015 χ^2/NDF: 18.2/19


asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug
70
65
60
55
50
45
40
35
30
25
100
105
110
115
120
125
130
135
140
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 59.654+/-0.030 χ²/NDF:15494.3/2
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 53.663+/-0.030 χ²/NDF:8932.7/1
+ sign 43.725+/-0.011 χ²/NDF: 1850212.4/18
All: 42.306+/-0.008 χ²/NDF: 3921105.6/38
- sign 41.006+/-0.010 χ²/NDF: 2038298.3/19

reg_asym_us_dd_mean vs Slug



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

Left Out: 367.653+/-545.666 χ^2/NDF:0.9/2

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

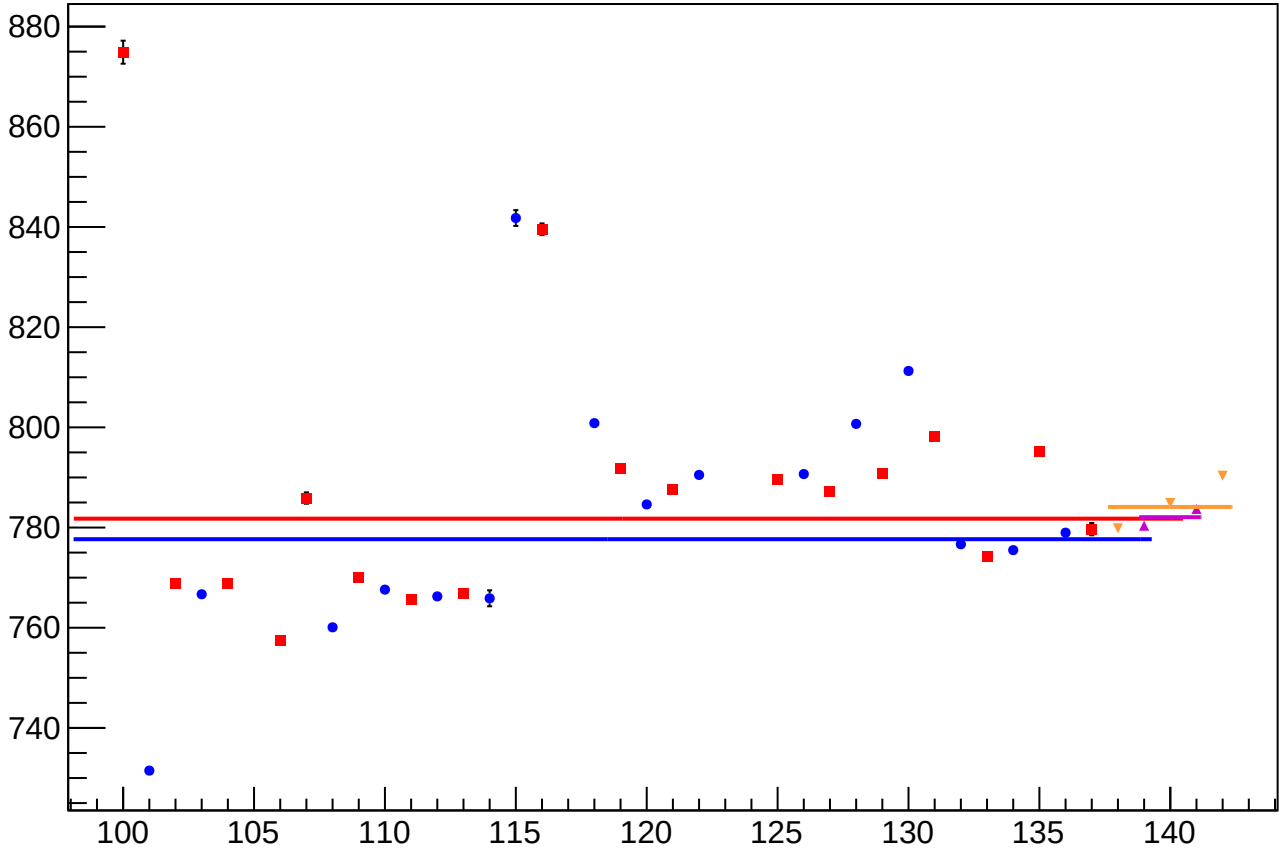
Left In: 807.849+/-594.309 χ^2/NDF:0.5/1

+ sign -271.678+/-255.358 χ^2/NDF: 9.6/18

All: -72.597+/-181.919 χ^2/NDF: 24.6/38

- sign 132.567+/-259.230 χ^2/NDF: 13.8/19

reg_asym_us_dd_rms vs Slug



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

Left Out: 784.113+/-0.386 χ^2/NDF:103.4/2

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

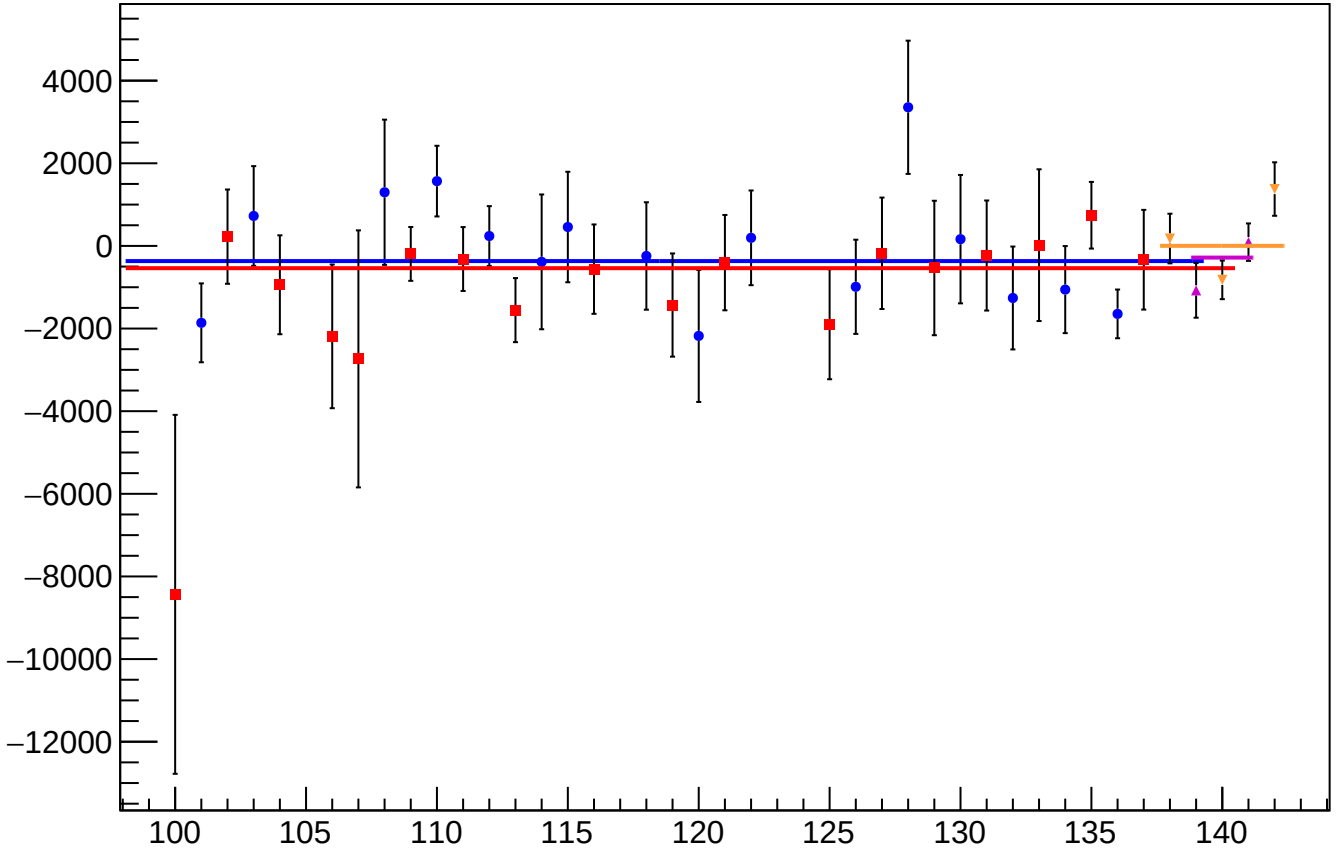
Left In: 782.070+/-0.420 χ^2/NDF:15.8/1

+ sign 779.084+/-0.181 χ^2/NDF: 12376.2/18

All: 780.438+/-0.129 χ^2/NDF: 20132.8/38

- sign 781.832+/-0.183 χ^2/NDF: 7642.5/19

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

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

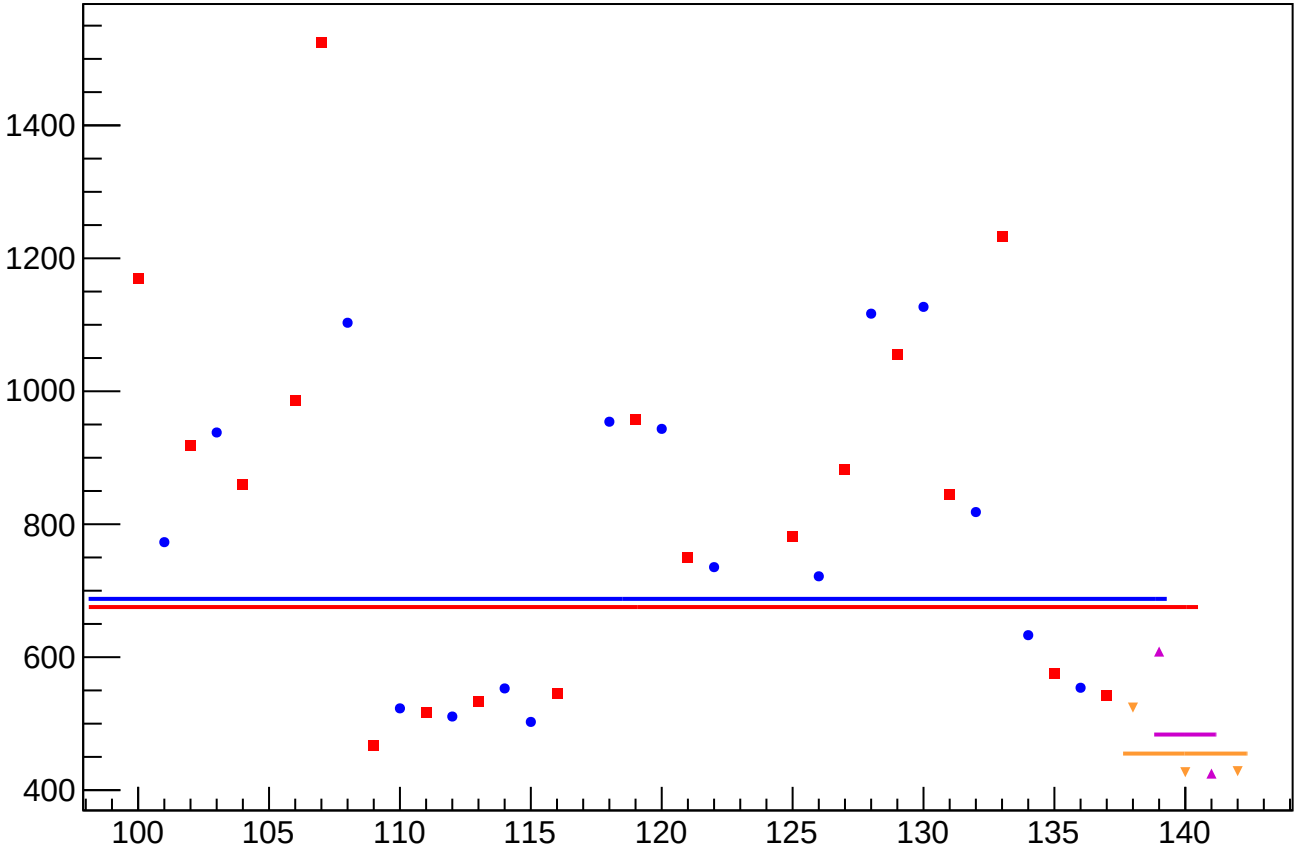
Left In: -282.587+/-374.289 χ^2/NDF:2.1/1

+ sign -216.093+/-204.993 χ^2/NDF: 31.8/18

All: -329.406+/-148.409 χ^2/NDF: 46.5/38

- sign -454.210+/-215.137 χ^2/NDF: 14.1/19

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 454.993+/-0.227 χ^2/NDF:37078.0/2

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

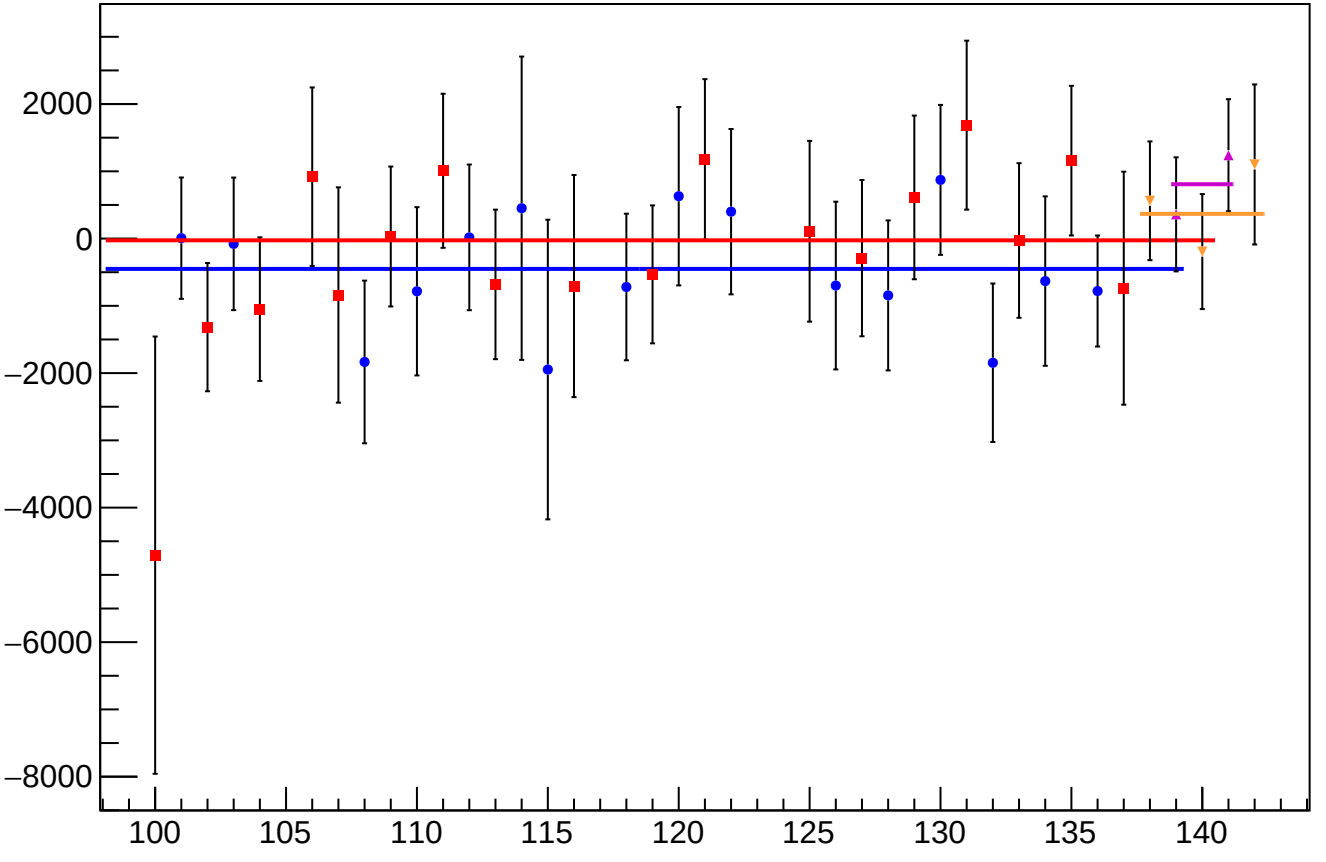
Left In: 483.631+/-0.265 χ^2/NDF:104671.5/1

+ sign 592.486+/-0.145 χ^2/NDF: 1692158.1/18

All: 601.795+/-0.105 χ^2/NDF: 3470098.6/38

- sign 612.049+/-0.152 χ^2/NDF: 1769272.5/19

cor_asym_us_dd_mean vs Slug



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

Left Out: 367.653+/-545.666 χ^2/NDF:0.9/2

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

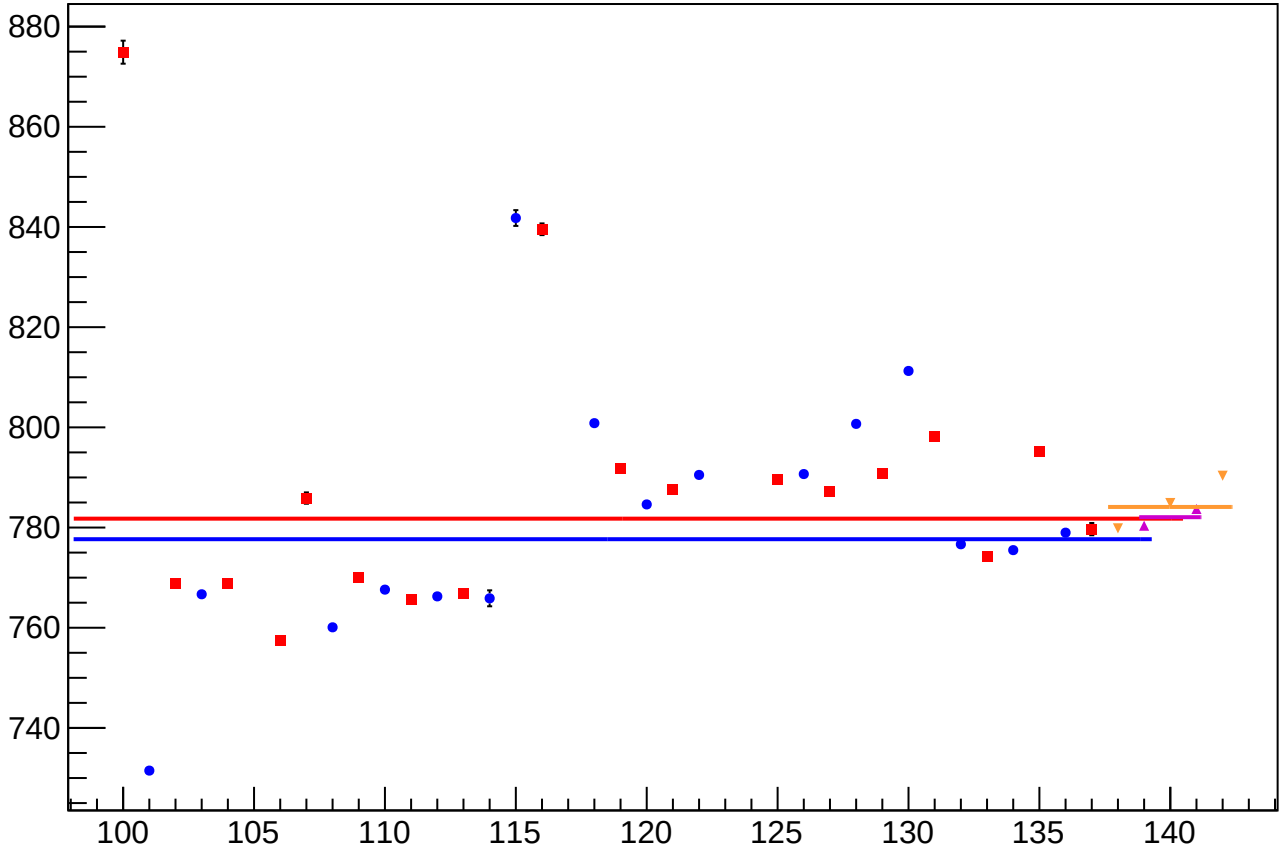
Left In: 807.849+/-594.309 χ^2/NDF:0.5/1

\+ sign -271.678+/-255.358 χ^2/NDF: 9.6/18

All: -72.597+/-181.919 χ^2/NDF: 24.6/38

\- sign 132.567+/-259.230 χ^2/NDF: 13.8/19

cor_asym_us_dd_rms vs Slug



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

Left Out: 784.113+/-0.386 χ^2/NDF:103.4/2

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

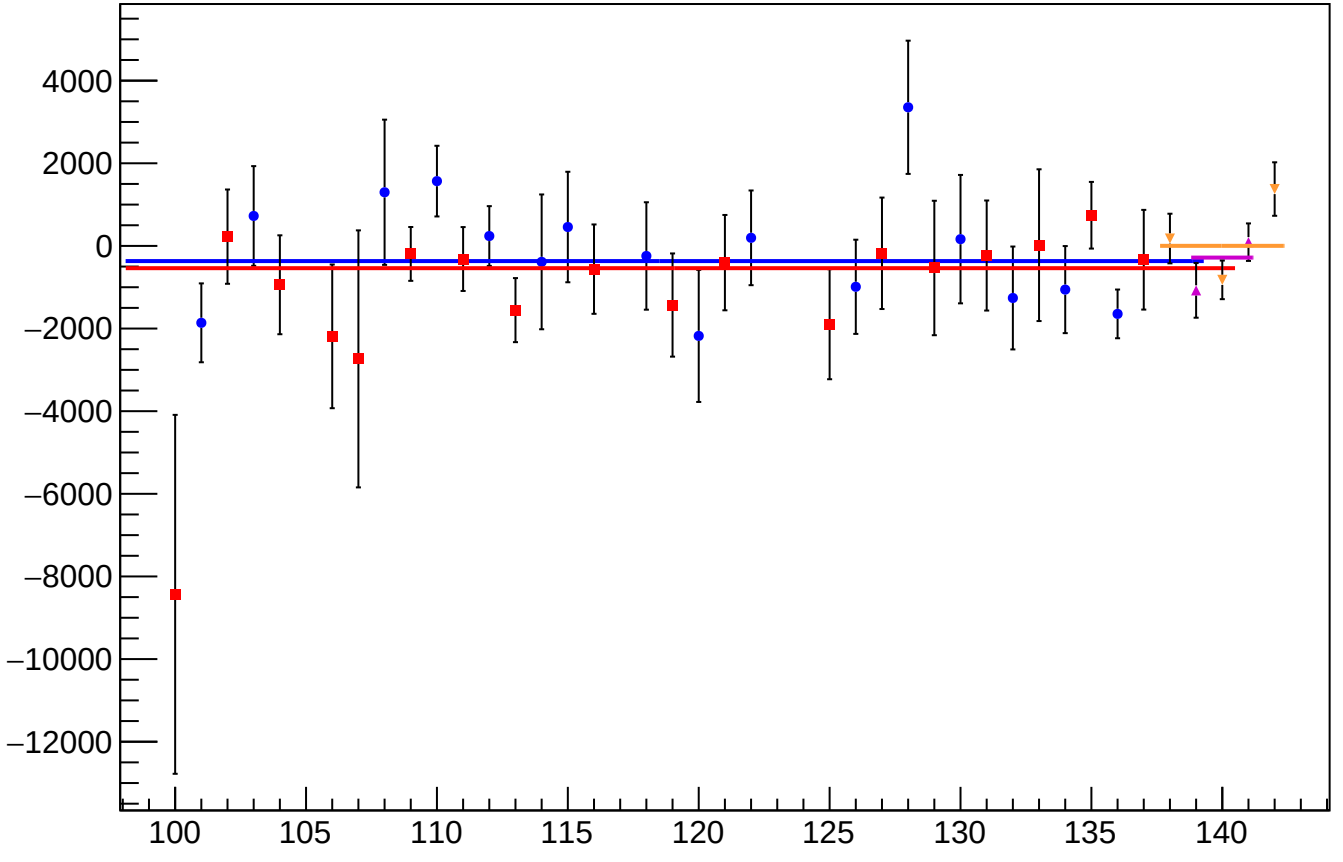
Left In: 782.070+/-0.420 χ^2/NDF:15.8/1

+ sign 779.084+/-0.181 χ^2/NDF: 12376.2/18

All: 780.438+/-0.129 χ^2/NDF: 20132.8/38

- sign 781.832+/-0.183 χ^2/NDF: 7642.5/19

asym_us_dd_cor_correction_mean vs Slug



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

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

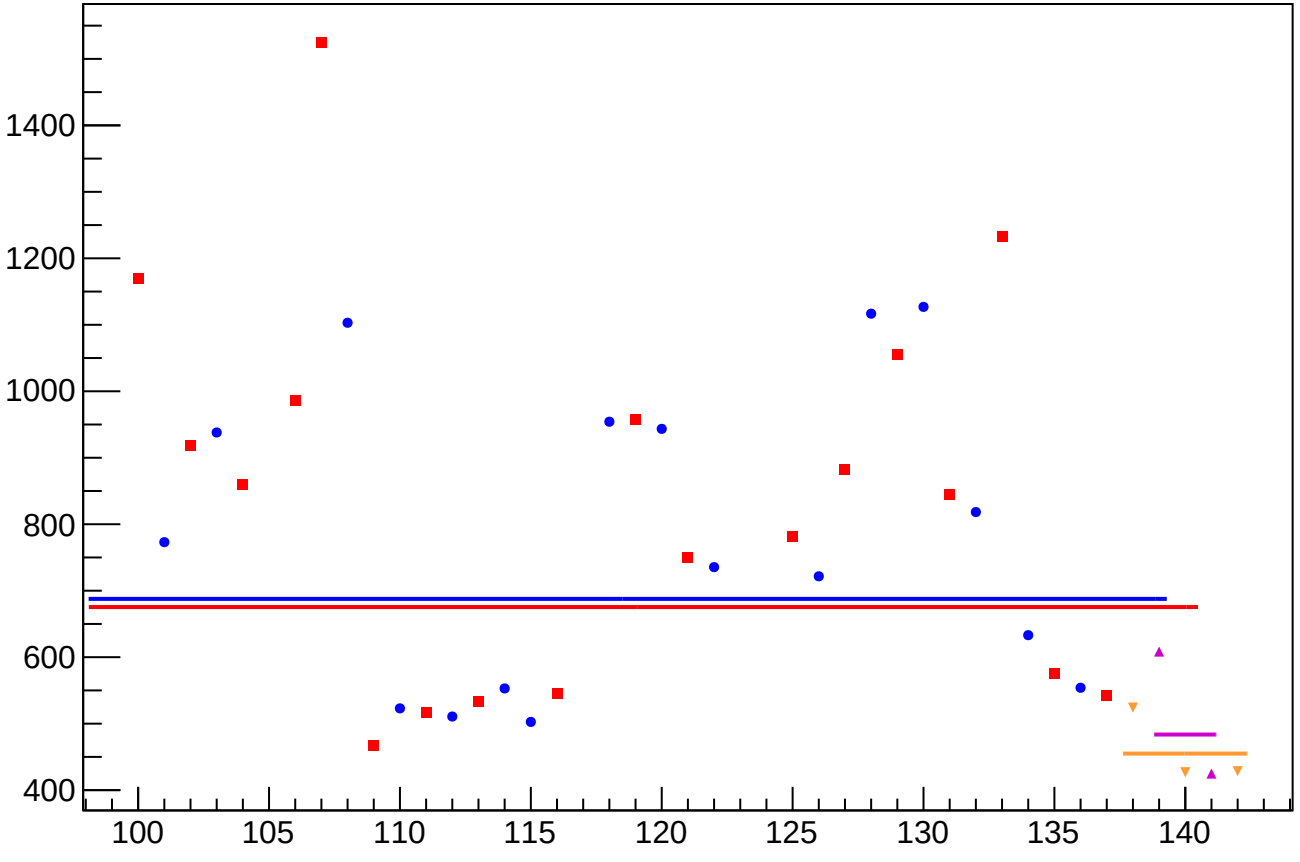
Left In: -282.587+/-374.289 χ^2/NDF:2.1/1

+ sign -216.093+/-204.993 χ^2/NDF: 31.8/18

All: -329.406+/-148.409 χ^2/NDF: 46.5/38

- sign -454.210+/-215.137 χ^2/NDF: 14.1/19

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 454.993+/-0.227 χ^2/NDF:37078.0/2

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

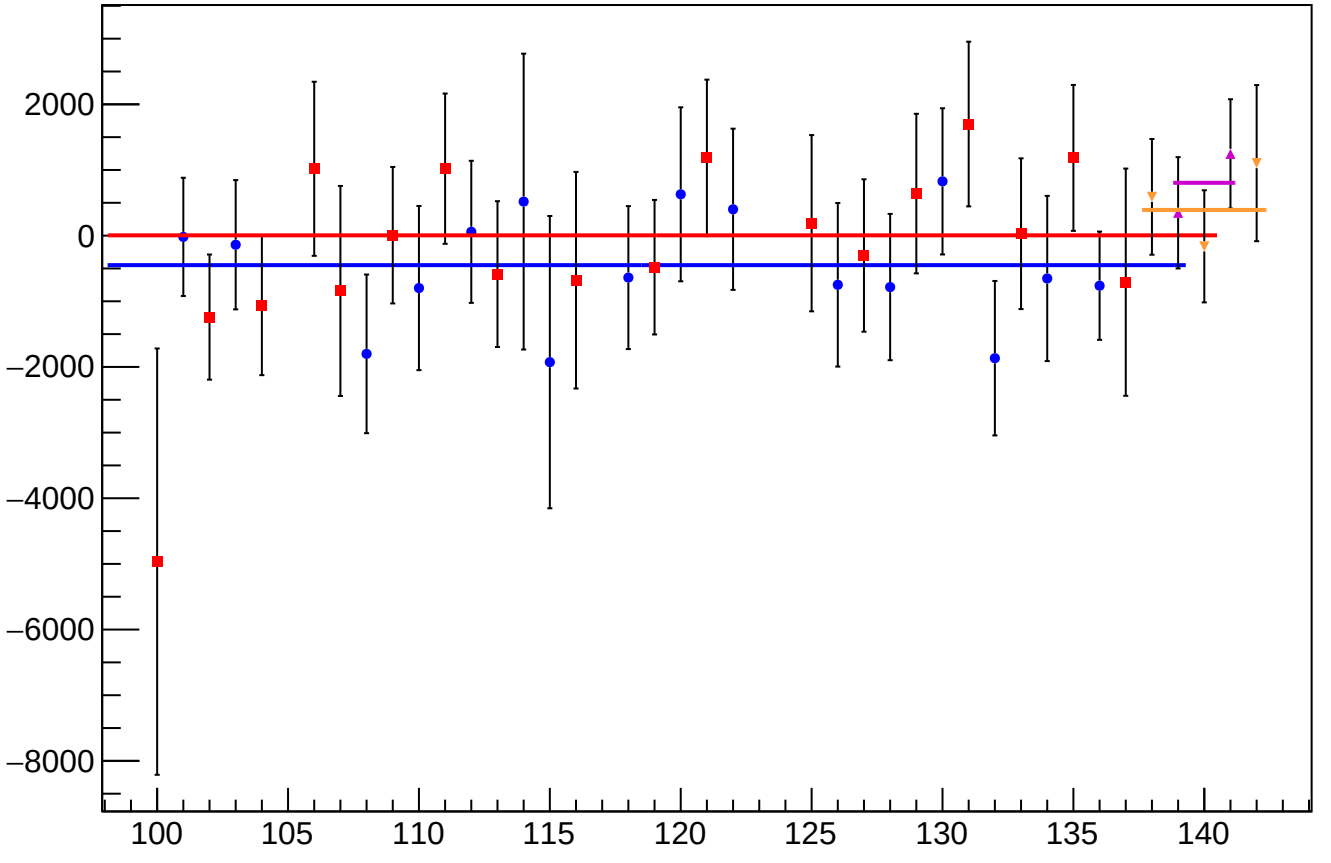
Left In: 483.631+/-0.265 χ^2/NDF:104671.5/1

+ sign 592.486+/-0.145 χ^2/NDF: 1692158.1/18

All: 601.795+/-0.105 χ^2/NDF: 3470098.6/38

- sign 612.049+/-0.152 χ^2/NDF: 1769272.5/19

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: 391.444+/-545.101 χ^2/NDF:0.8/2

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

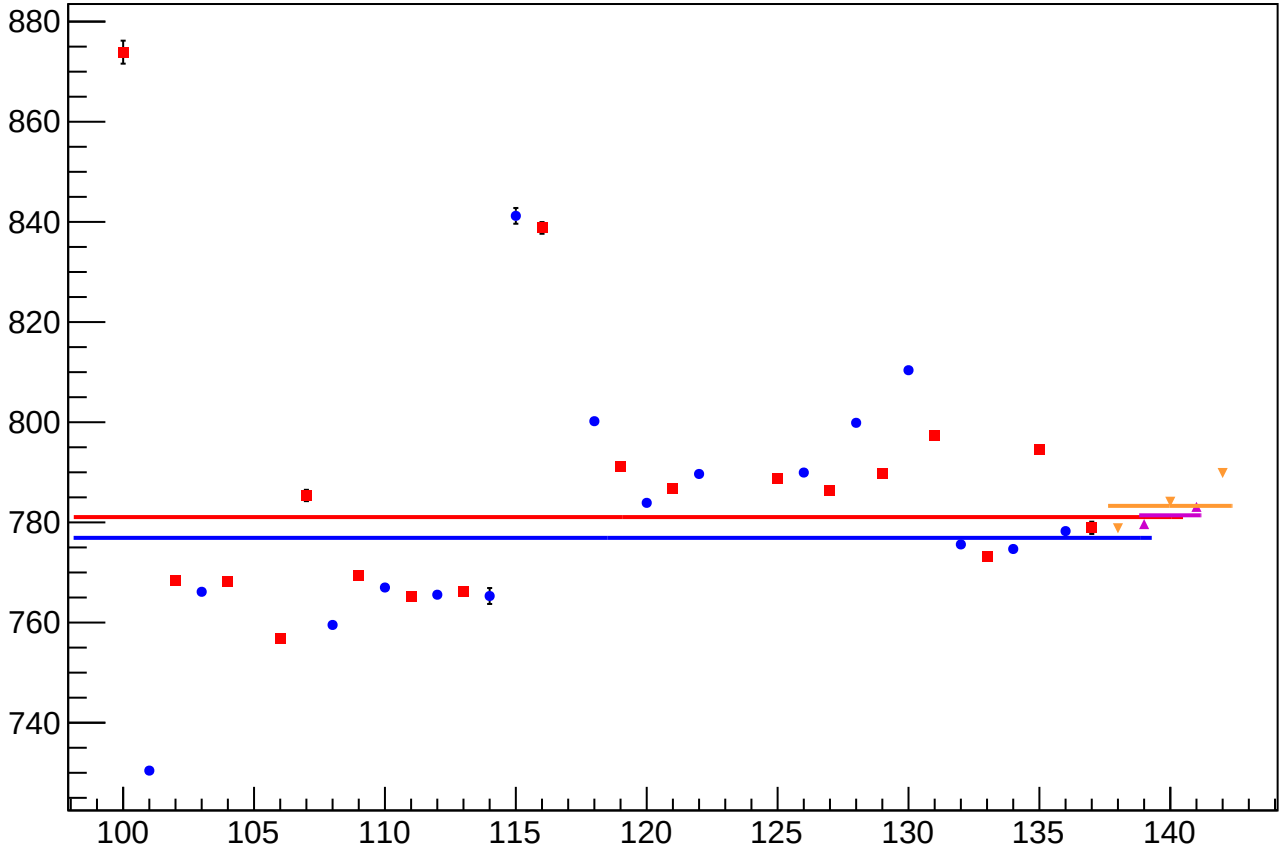
Left In: 804.514+/-593.813 χ^2/NDF:0.6/1

+ sign -265.262+/-255.105 χ^2/NDF: 9.4/18

All: -57.422+/-181.747 χ^2/NDF: 24.7/38

- sign 156.807+/-258.996 χ^2/NDF: 13.9/19

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 783.301+/-0.385 χ^2/NDF:114.3/2

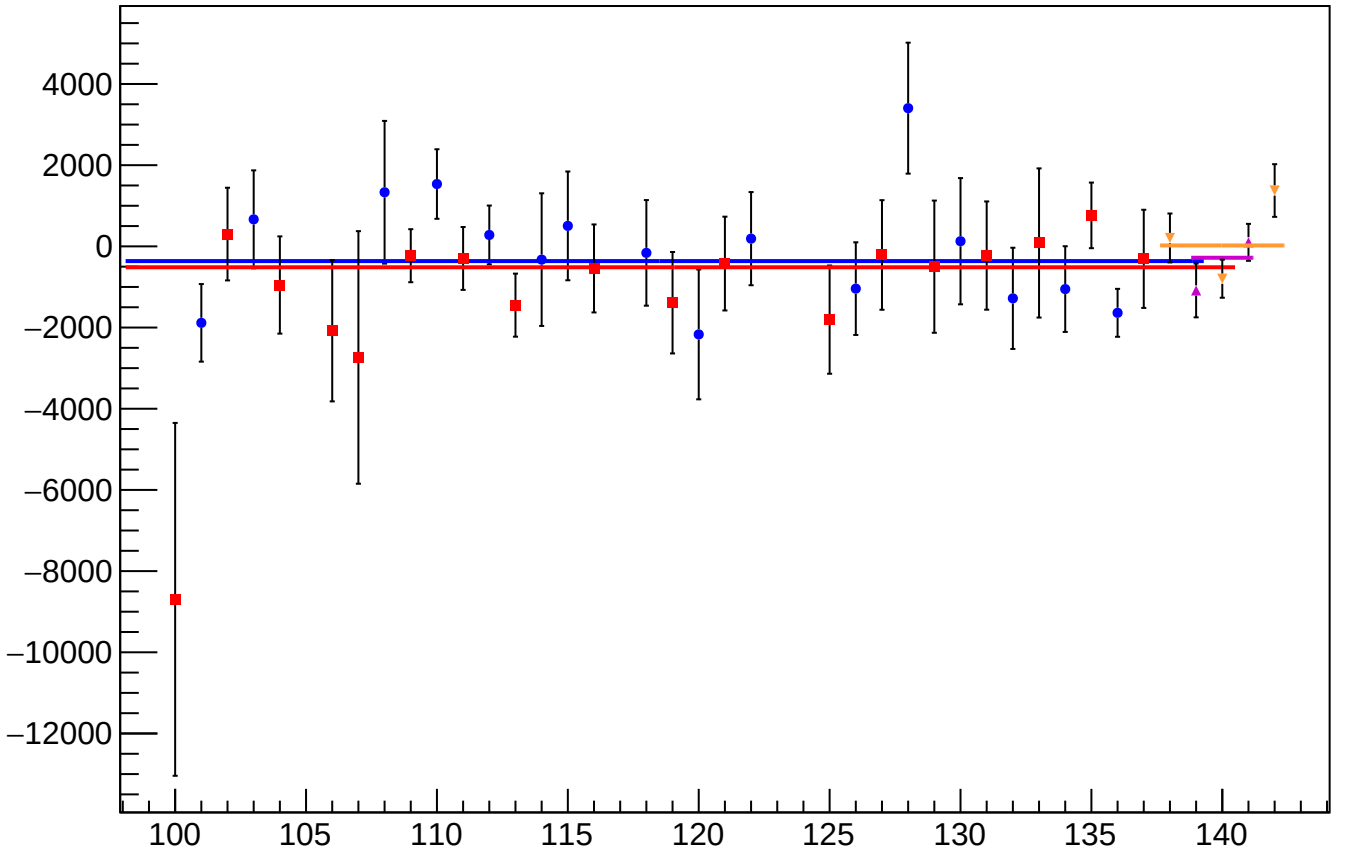
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 781.416+/-0.420 χ^2/NDF:16.8/1

+ sign 778.312+/-0.180 χ^2/NDF: 12452.4/18

All: 779.699+/-0.129 χ^2/NDF: 20175.6/38

- sign 781.129+/-0.183 χ^2/NDF: 7603.2/19



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

Left Out: 22.132+/-321.416 χ^2/NDF:7.5/2

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

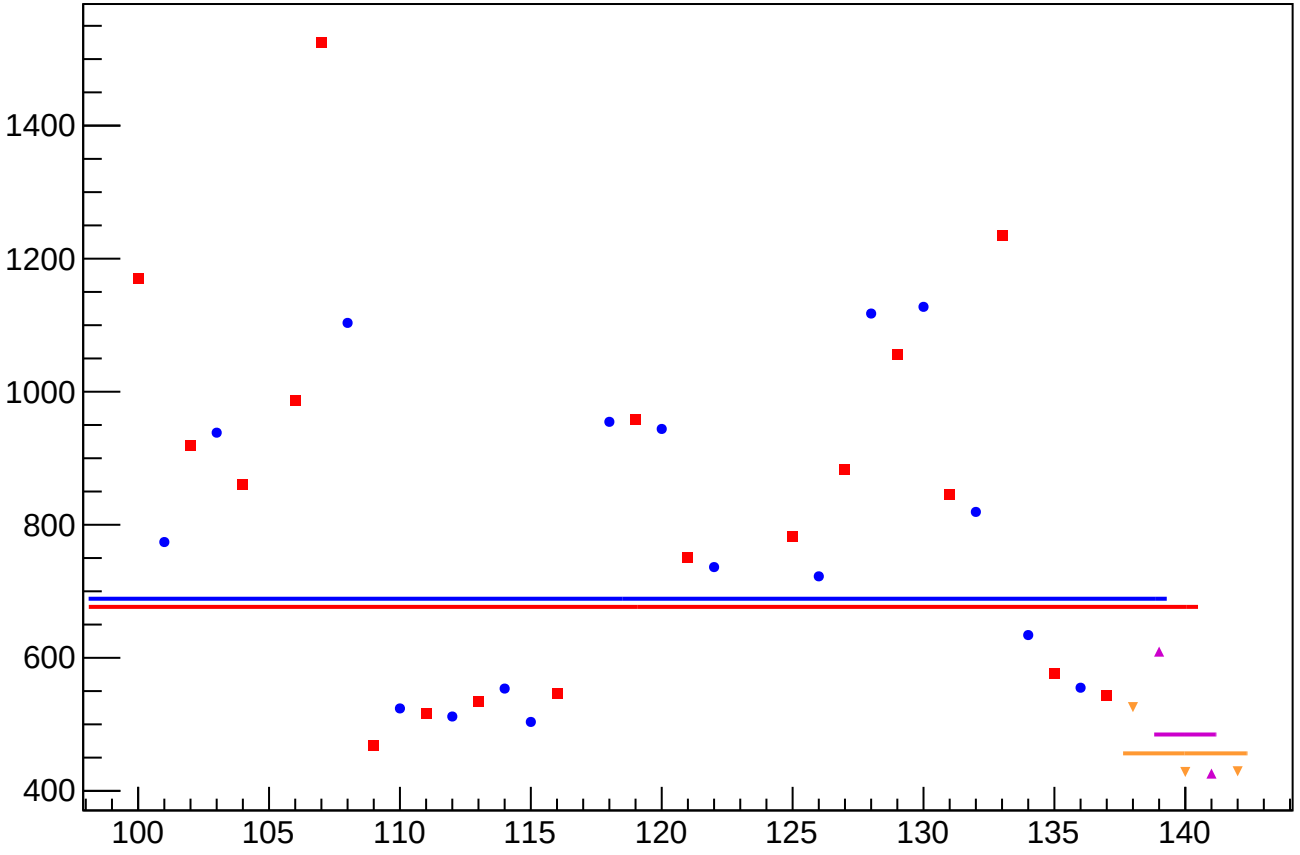
Left In: -280.545+/-375.118 χ^2/NDF:2.2/1

\+ sign -205.577+/-205.420 χ^2/NDF: 31.7/18

All: -316.130+/-148.693 χ^2/NDF: 46.2/38

\- sign -437.812+/-215.511 χ^2/NDF: 13.8/19

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 456.388+/-0.227 χ^2/NDF:37173.6/2

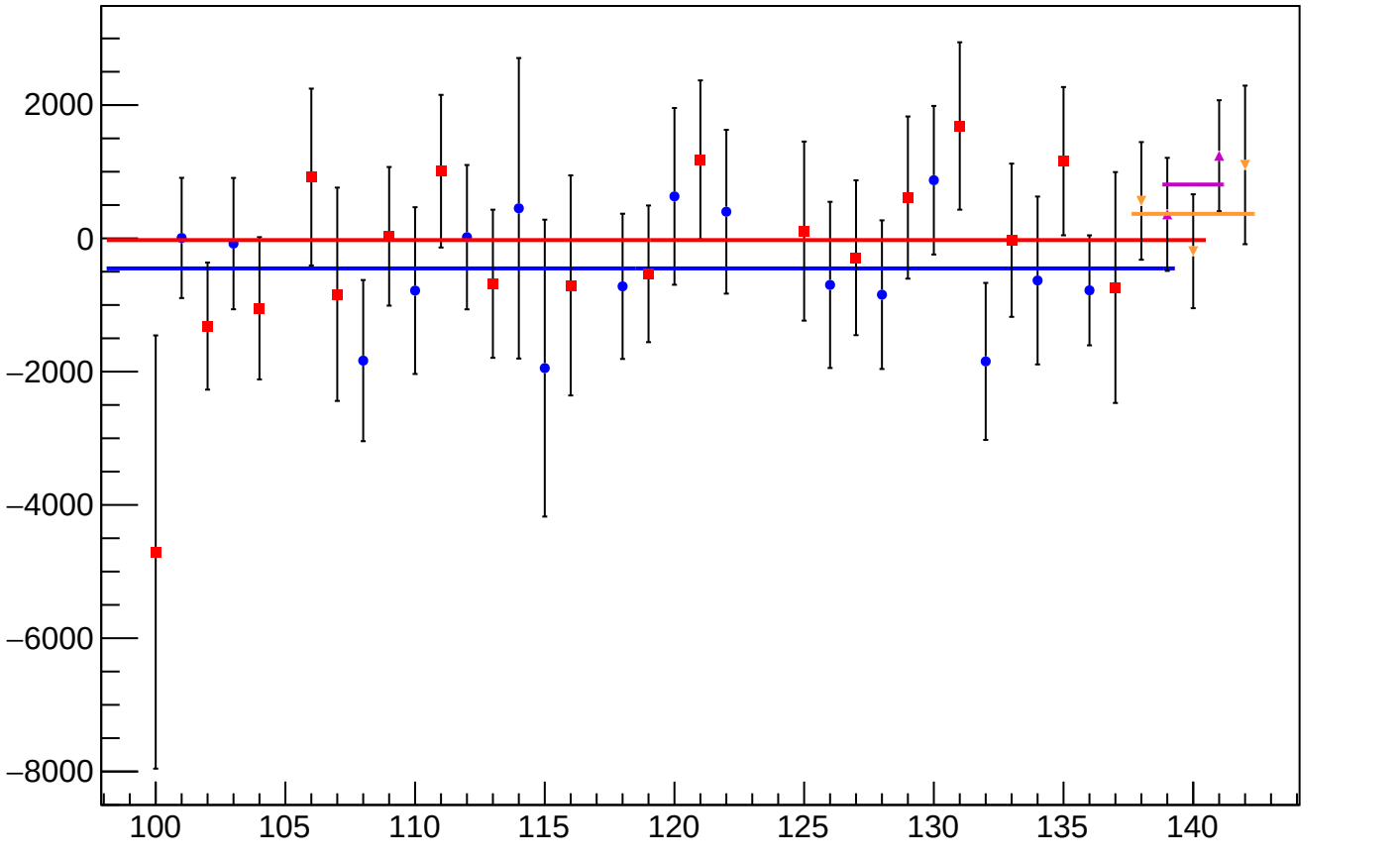
Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

Left In: 484.753+/-0.265 χ^2/NDF:104050.4/1

+ sign 593.886+/-0.145 χ^2/NDF: 1684022.2/18

All: 603.108+/-0.105 χ^2/NDF: 3454932.5/38

- sign 613.259+/-0.152 χ^2/NDF: 1762442.5/19



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

Left Out: 367.653+/-545.666 χ^2/NDF:0.9/2

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

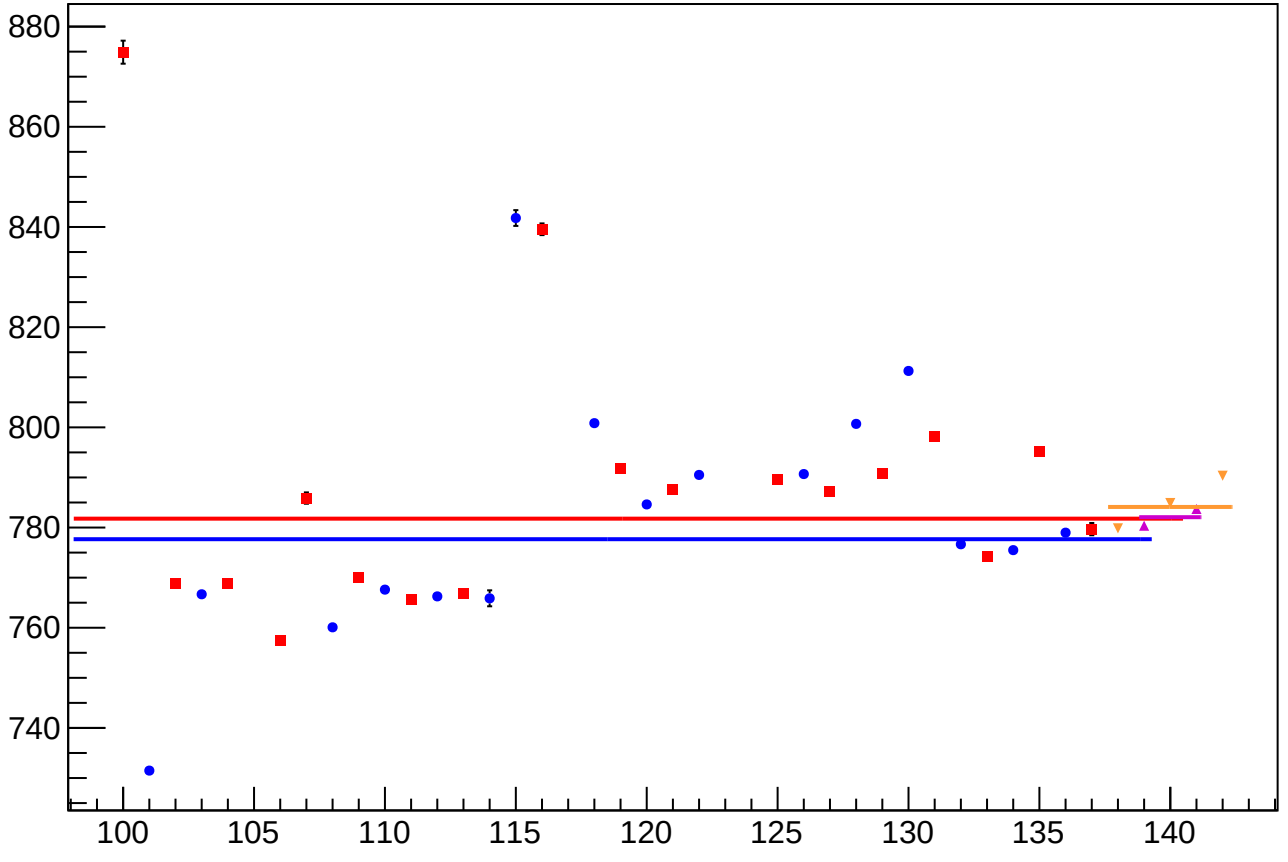
Left In: 807.849+/-594.309 χ^2/NDF:0.5/1

+ sign -271.678+/-255.358 χ^2/NDF: 9.6/18

All: -72.597+/-181.919 χ^2/NDF: 24.6/38

- sign 132.567+/-259.230 χ^2/NDF: 13.8/19

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 784.113+/-0.386 χ^2/NDF:103.4/2

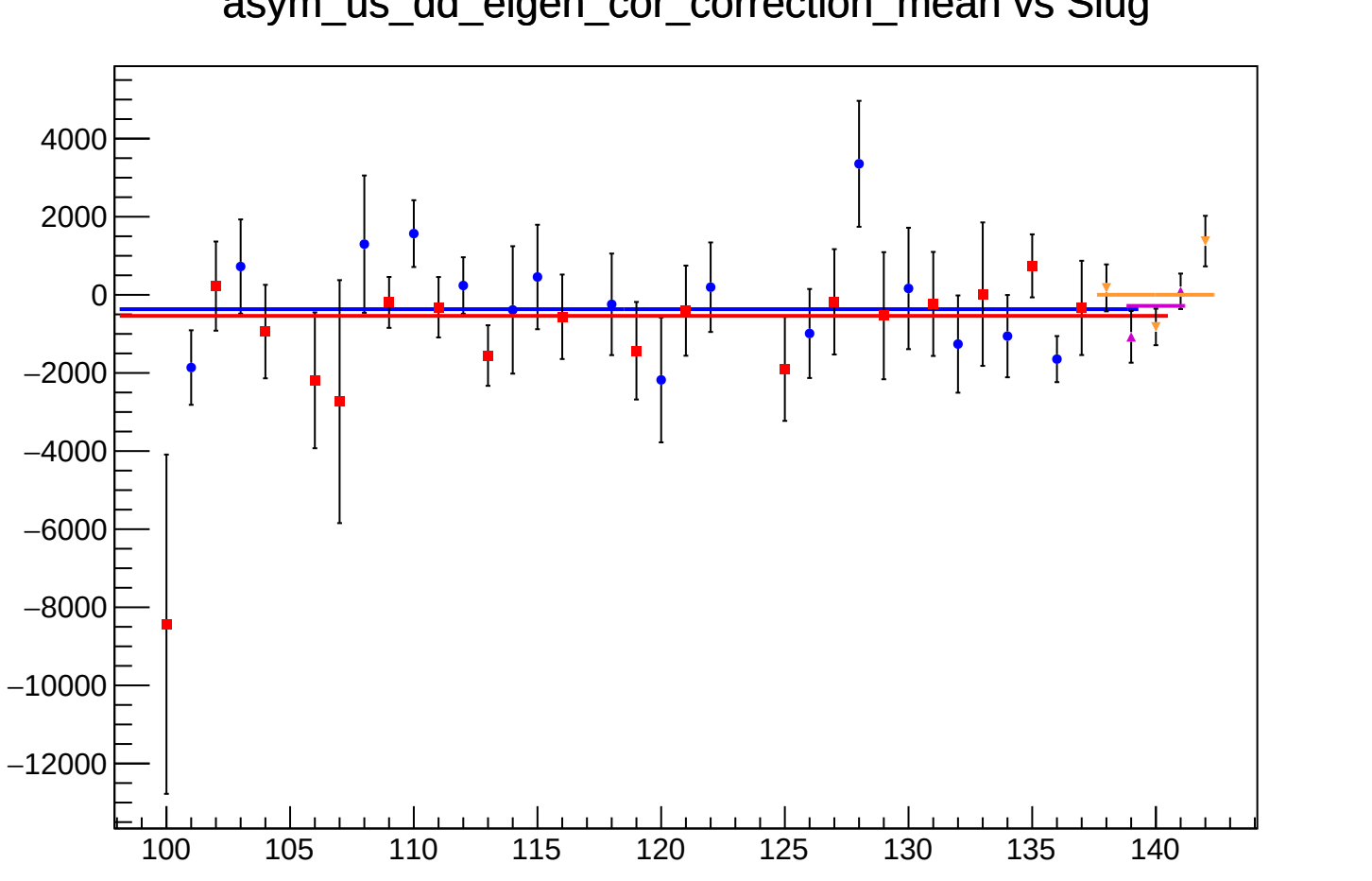
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 782.070+/-0.420 χ^2/NDF:15.8/1

+ sign 779.084+/-0.181 χ^2/NDF: 12376.2/18

All: 780.438+/-0.129 χ^2/NDF: 20132.8/38

- sign 781.832+/-0.183 χ^2/NDF: 7642.5/19



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

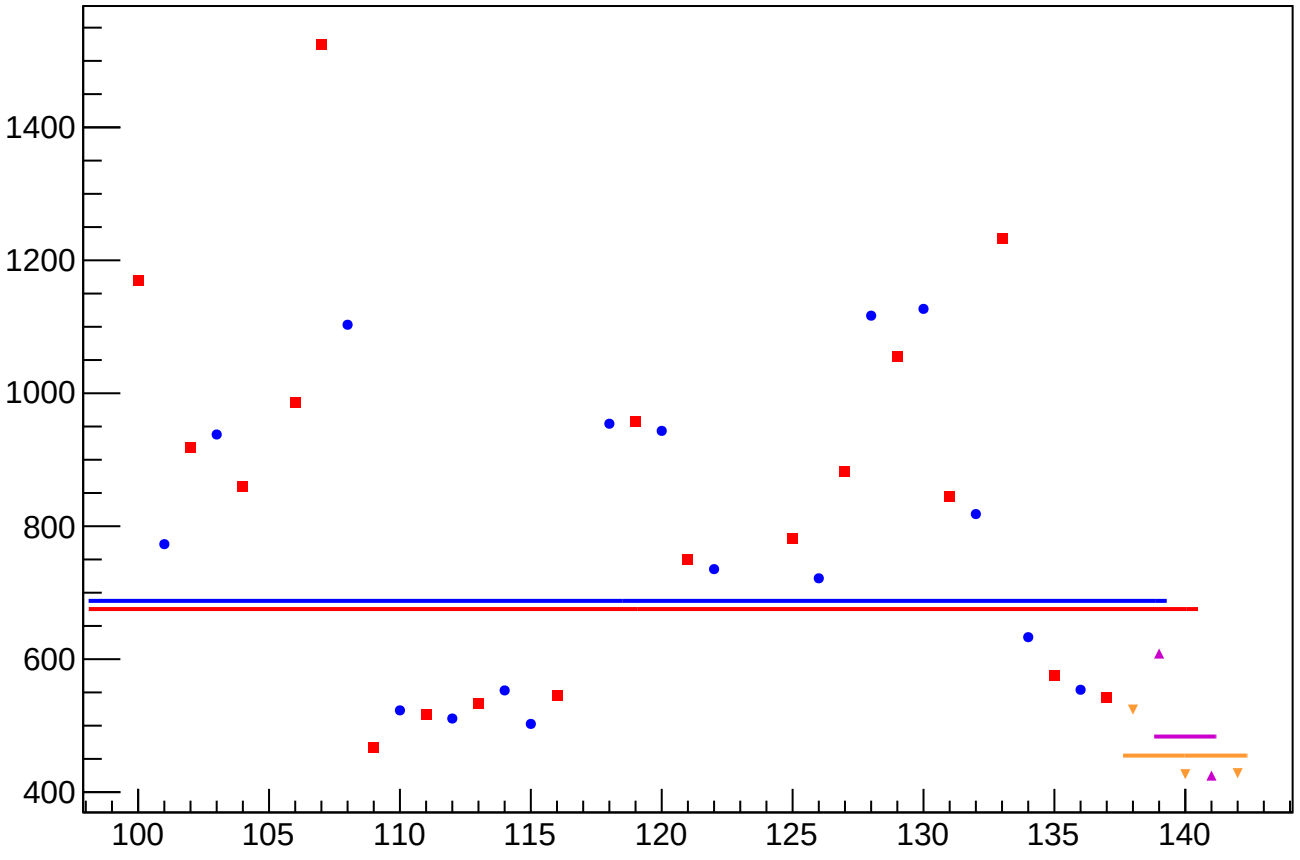
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -282.587+/-374.289 χ^2/NDF:2.1/1

+ sign -216.093+/-204.993 χ^2/NDF: 31.8/18

All: -329.406+/-148.409 χ^2/NDF: 46.5/38

- sign -454.210+/-215.137 χ^2/NDF: 14.1/19



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

Left Out: 454.993+/-0.227 χ^2/NDF:37078.0/2

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

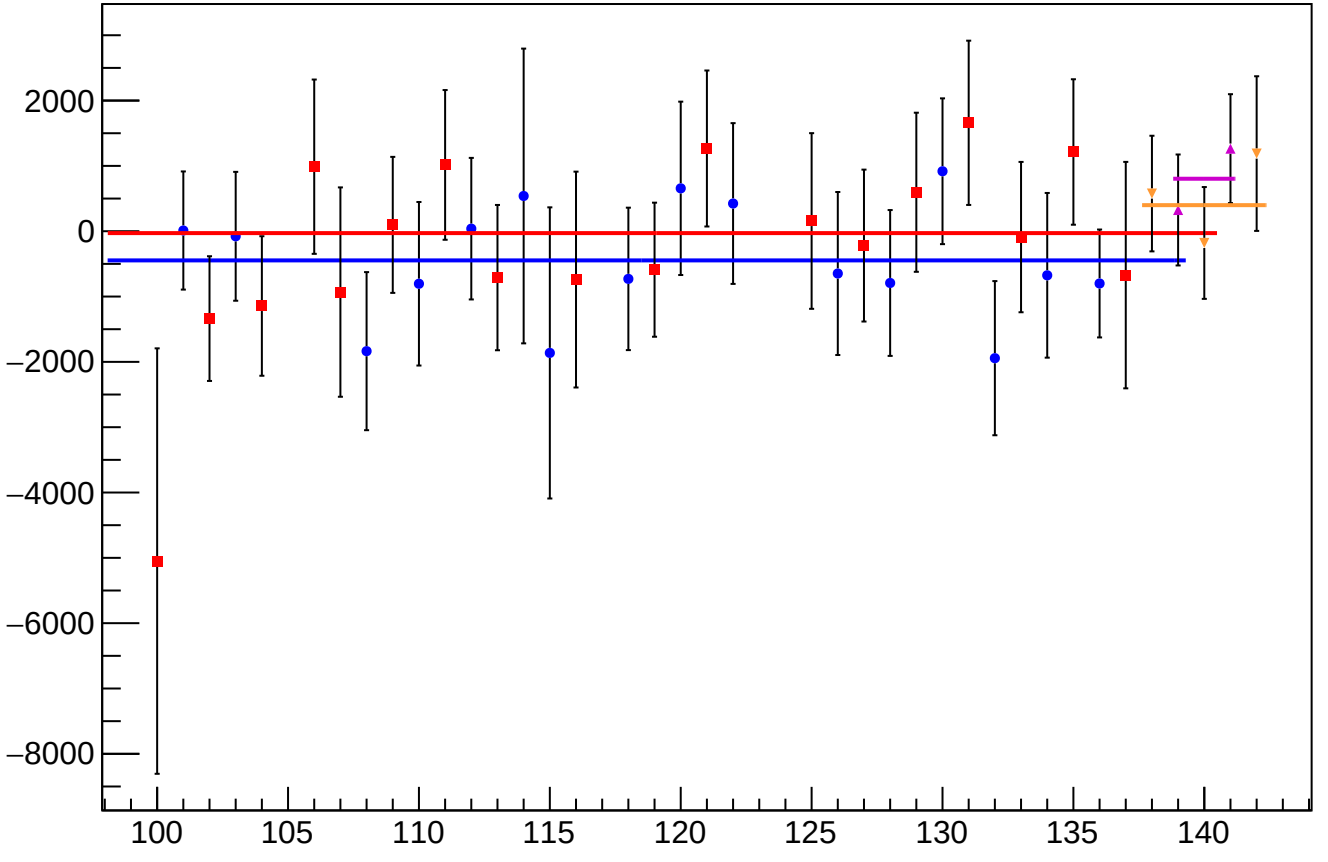
Left In: 483.631+/-0.265 χ^2/NDF:104671.5/1

+ sign 592.486+/-0.145 χ^2/NDF: 1692158.1/18

All: 601.795+/-0.105 χ^2/NDF: 3470098.6/38

- sign 612.049+/-0.152 χ^2/NDF: 1769272.5/19

dit_asym_us_dd_mean vs Slug



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

Left Out: 399.084+/-545.893 χ^2/NDF:0.9/2

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

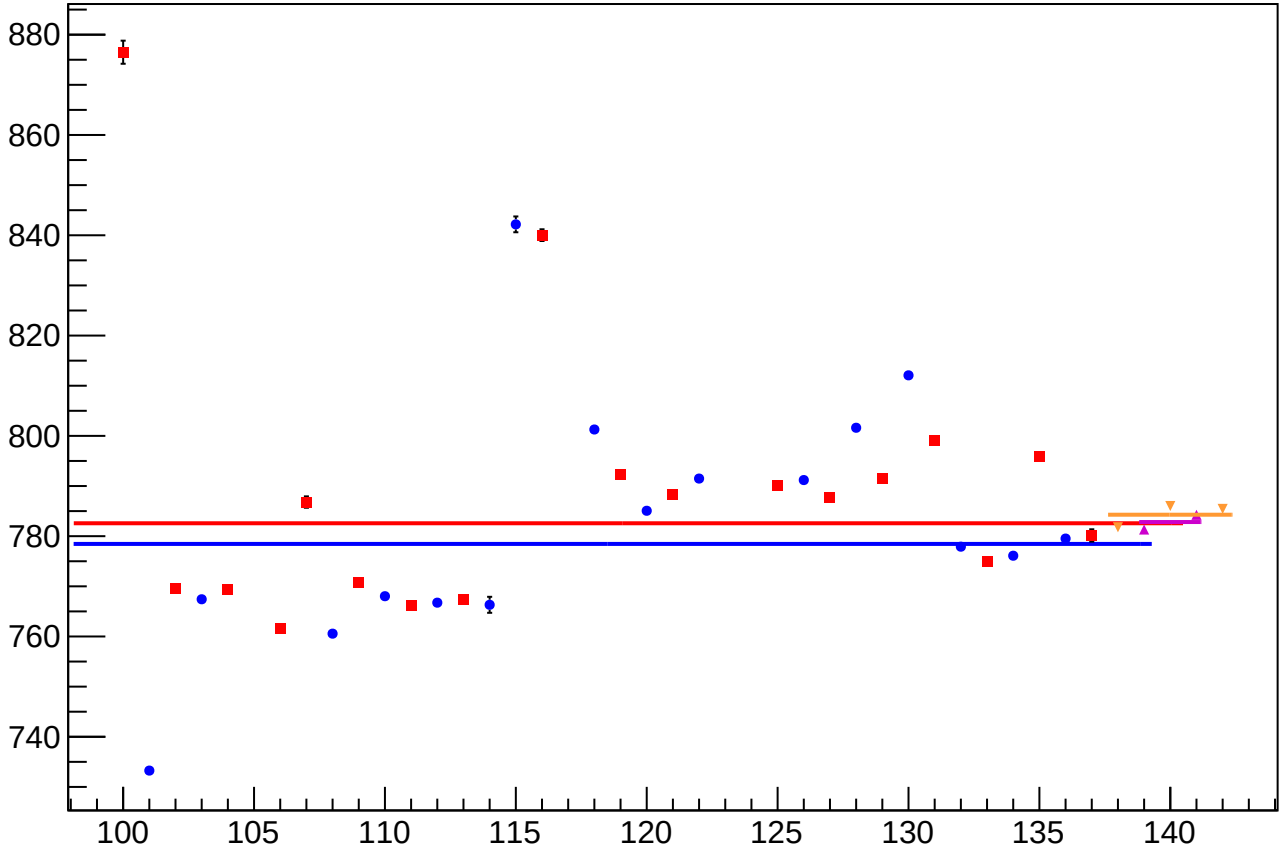
Left In: 803.349+/-594.881 χ^2/NDF:0.6/1

+ sign -261.273+/-255.580 χ^2/NDF: 10.1/18

All: -68.830+/-182.089 χ^2/NDF: 26.1/38

- sign 129.548+/-259.491 χ^2/NDF: 14.8/19

dit_asym_us_dd_rms vs Slug



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

Left Out: 784.280+/-0.386 χ^2/NDF:26.1/2

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

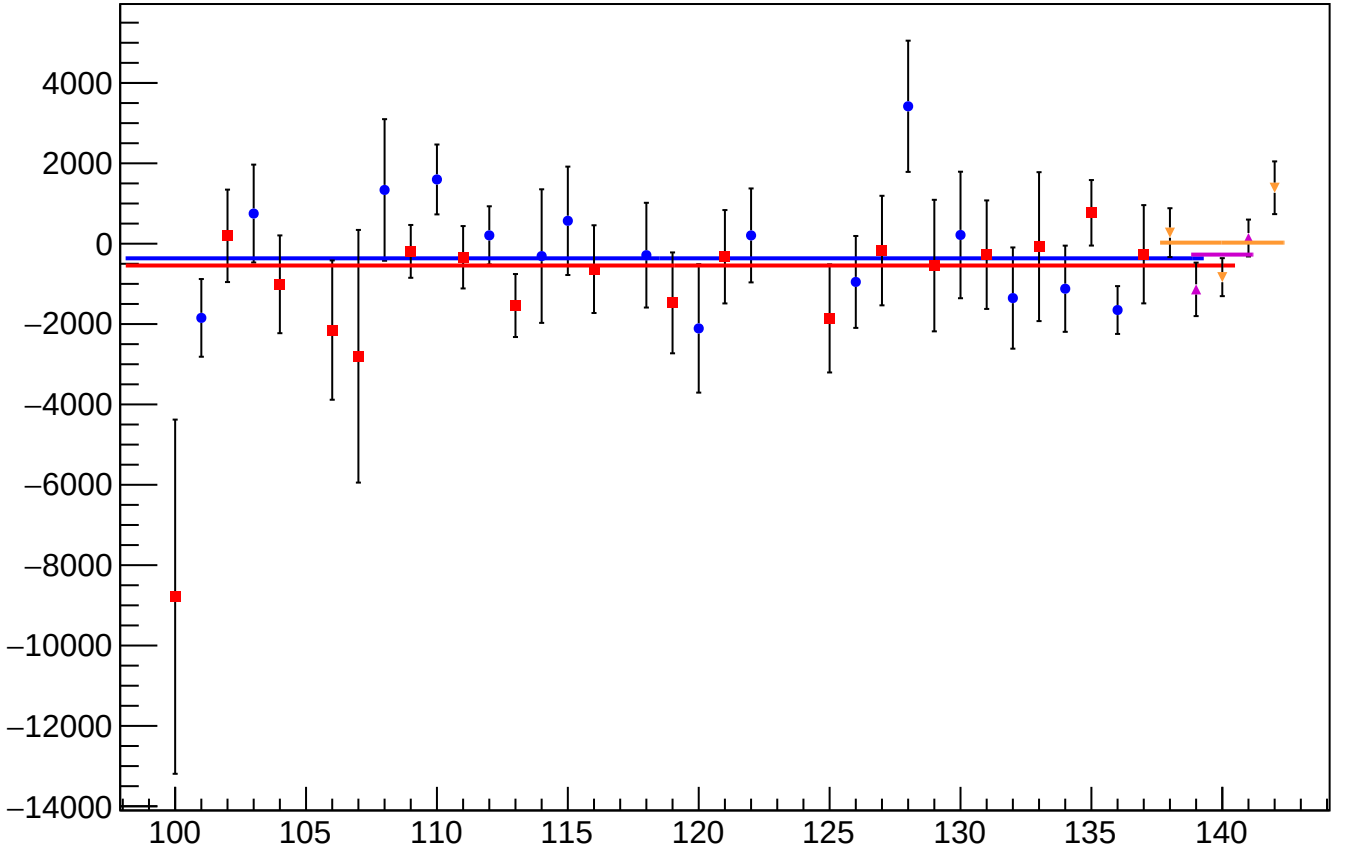
Left In: 782.821+/-0.421 χ^2/NDF:12.1/1

+ sign 779.732+/-0.181 χ^2/NDF: 11999.0/18

All: 781.155+/-0.129 χ^2/NDF: 19618.8/38

- sign 782.622+/-0.183 χ^2/NDF: 7493.8/19

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: 26.152+/-324.489 χ^2/NDF:7.8/2

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

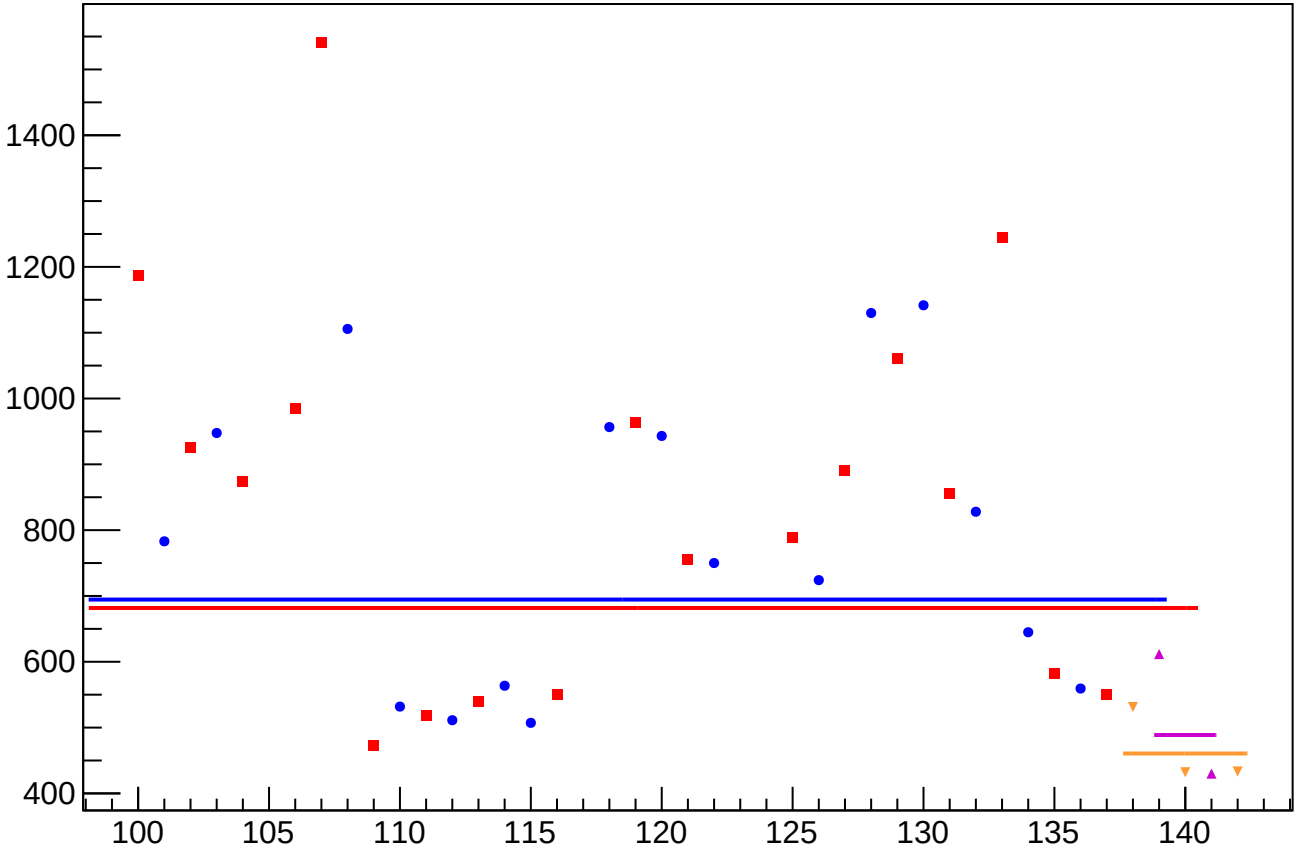
Left In: -271.447+/-377.901 χ^2/NDF:2.5/1

+ sign -204.851+/-207.237 χ^2/NDF: 32.0/18

All: -323.283+/-149.911 χ^2/NDF: 47.3/38

- sign -453.280+/-217.120 χ^2/NDF: 14.6/19

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 460.605+/-0.229 χ^2/NDF:37704.6/2

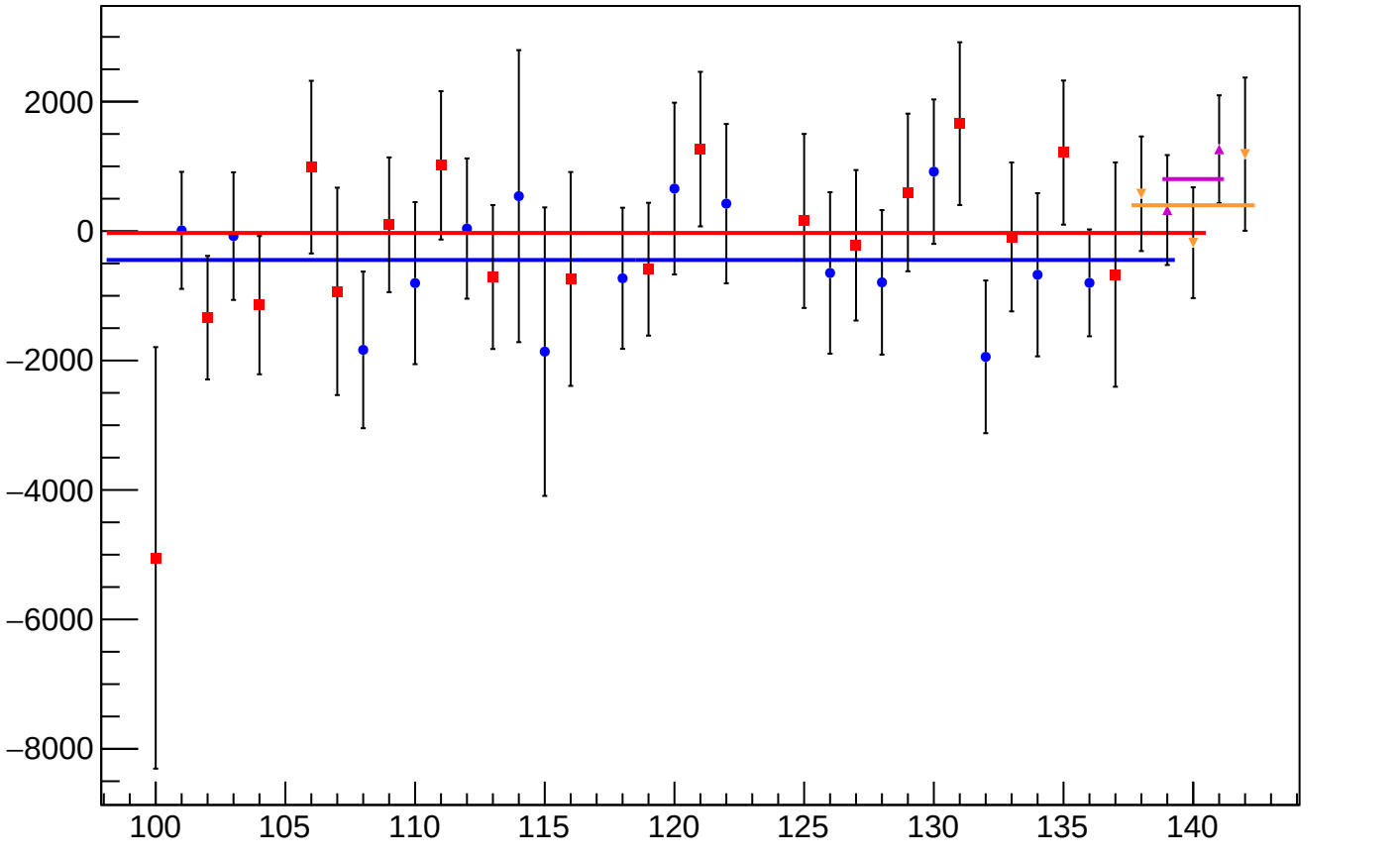
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 488.732+/-0.267 χ^2/NDF:100980.9/1

+ sign 599.112+/-0.147 χ^2/NDF: 1683002.0/18

All: 608.131+/-0.106 χ^2/NDF: 3452754.2/38

- sign 618.031+/-0.154 χ^2/NDF: 1761805.8/19



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

Left Out: 399.084+/-545.893 χ^2/NDF:0.9/2

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

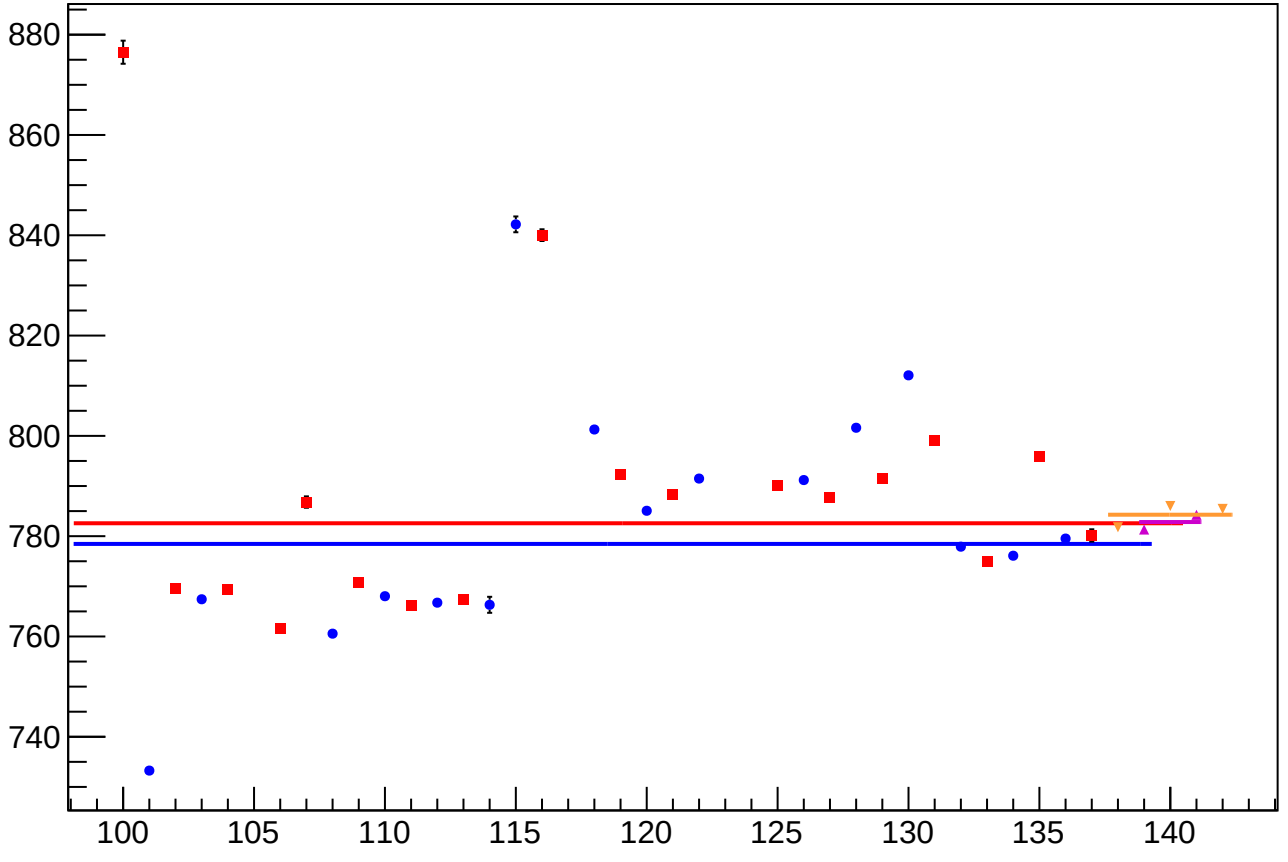
Left In: 803.344+/-594.881 χ^2/NDF:0.6/1

+ sign -261.273+/-255.580 χ^2/NDF: 10.1/18

All: -68.830+/-182.089 χ^2/NDF: 26.1/38

- sign 129.549+/-259.491 χ^2/NDF: 14.8/19

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 784.280+/-0.386 χ^2/NDF:26.1/2

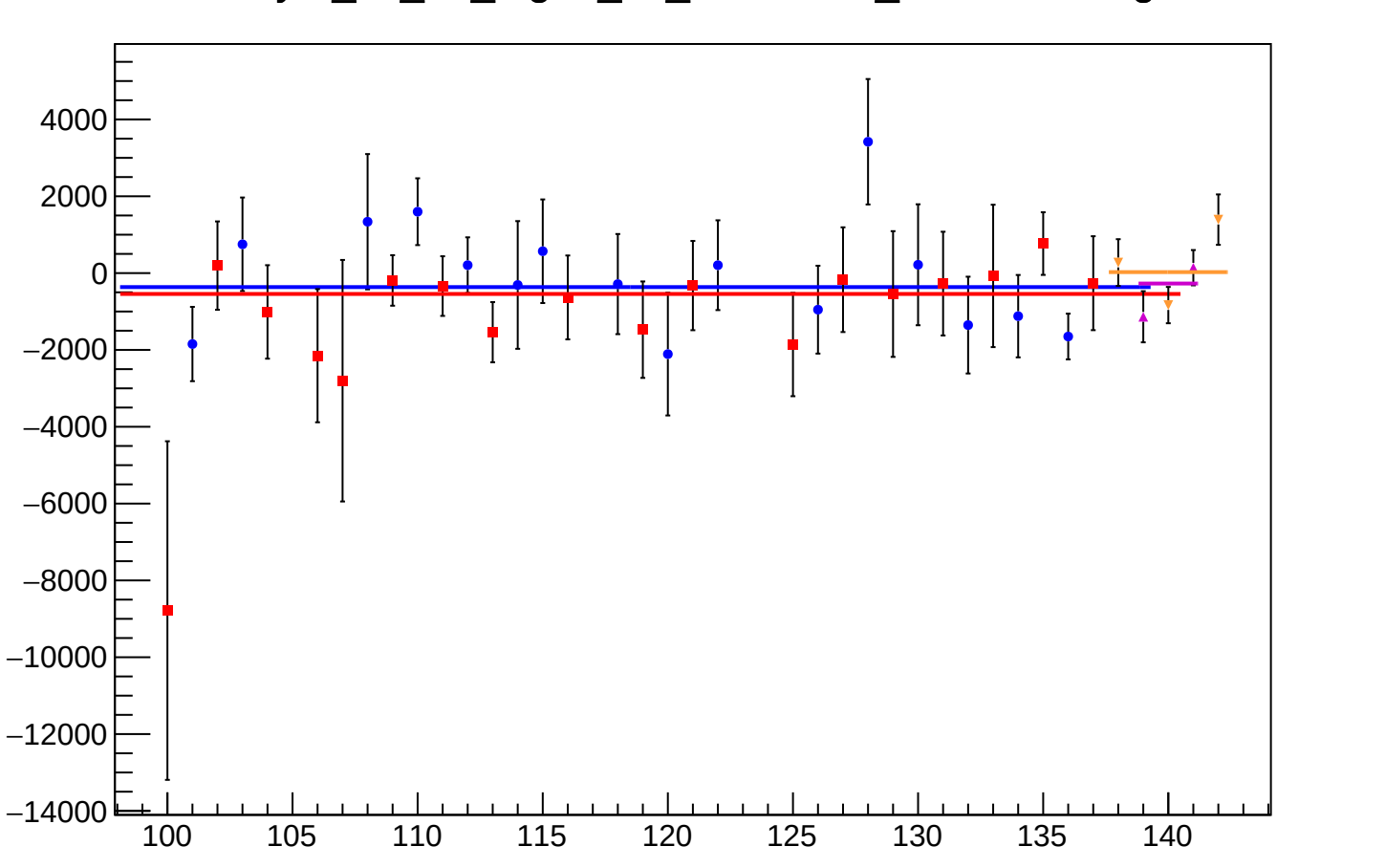
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 782.821+/-0.421 χ^2/NDF:12.1/1

+ sign 779.732+/-0.181 χ^2/NDF: 11999.0/18

All: 781.155+/-0.129 χ^2/NDF: 19618.7/38

- sign 782.622+/-0.183 χ^2/NDF: 7493.8/19



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

Left Out: 26.150+/-324.489 χ^2/NDF:7.8/2

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

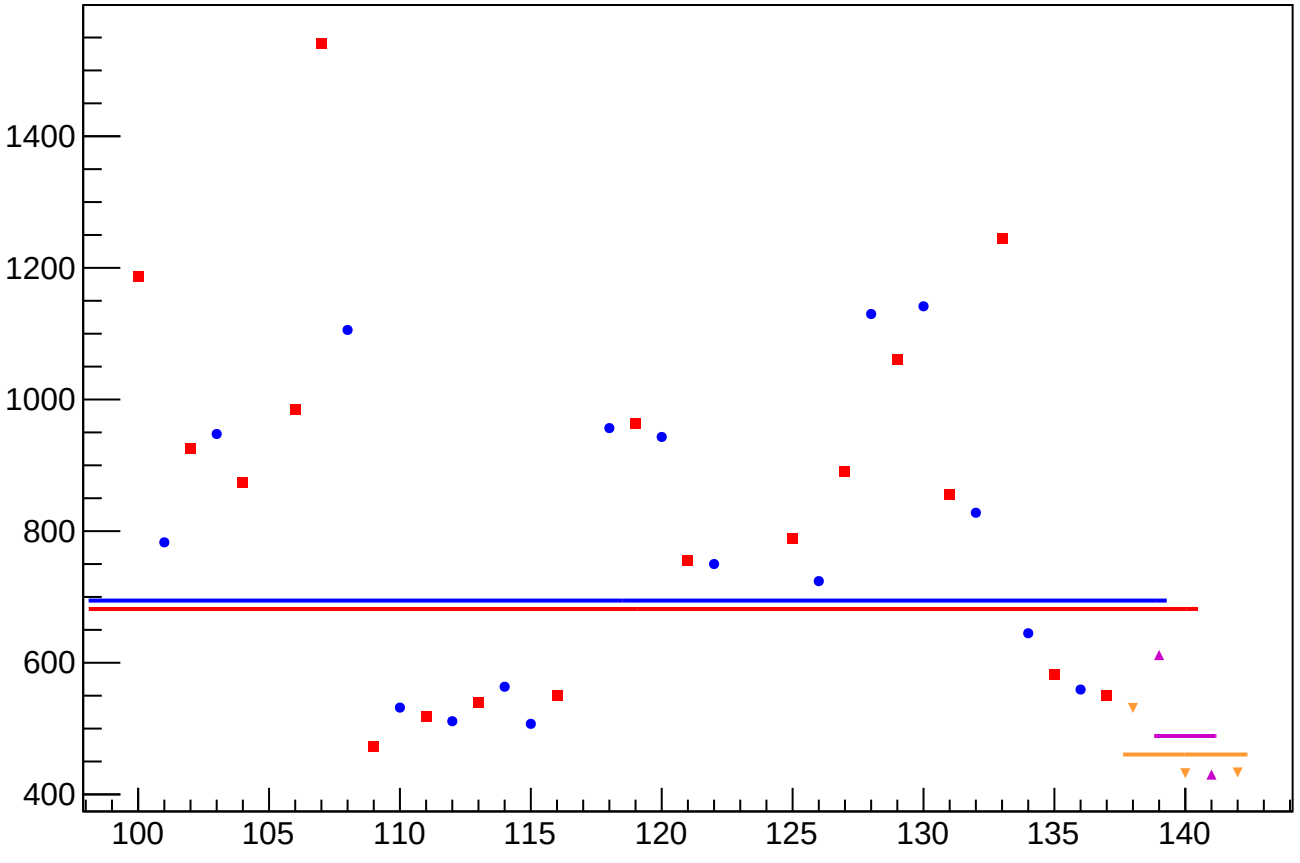
Left In: -271.443+/-377.901 χ^2/NDF:2.5/1

+ sign -204.850+/-207.236 χ^2/NDF: 32.0/18

All: -323.281+/-149.910 χ^2/NDF: 47.3/38

- sign -453.278+/-217.119 χ^2/NDF: 14.6/19

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 460.604+/-0.229 χ^2/NDF:37709.1/2

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

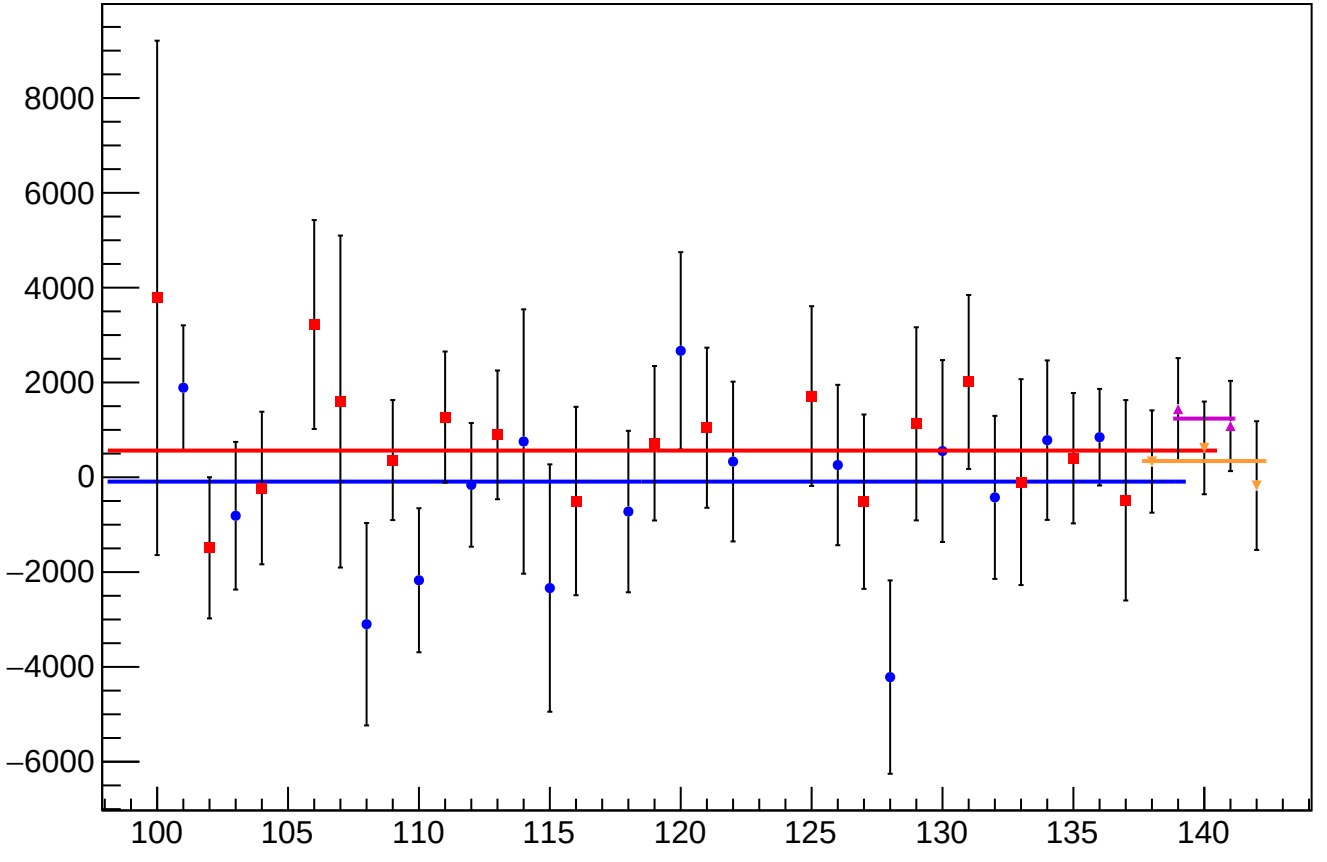
Left In: 488.732+/-0.267 χ^2/NDF:100987.6/1

+ sign 599.110+/-0.147 χ^2/NDF: 1683006.3/18

All: 608.129+/-0.106 χ^2/NDF: 3452776.2/38

- sign 618.029+/-0.154 χ^2/NDF: 1761823.5/19

asym_us_dd_mean vs Slug



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

Left Out: 342.910+/-639.209 χ^2/NDF:0.2/2

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

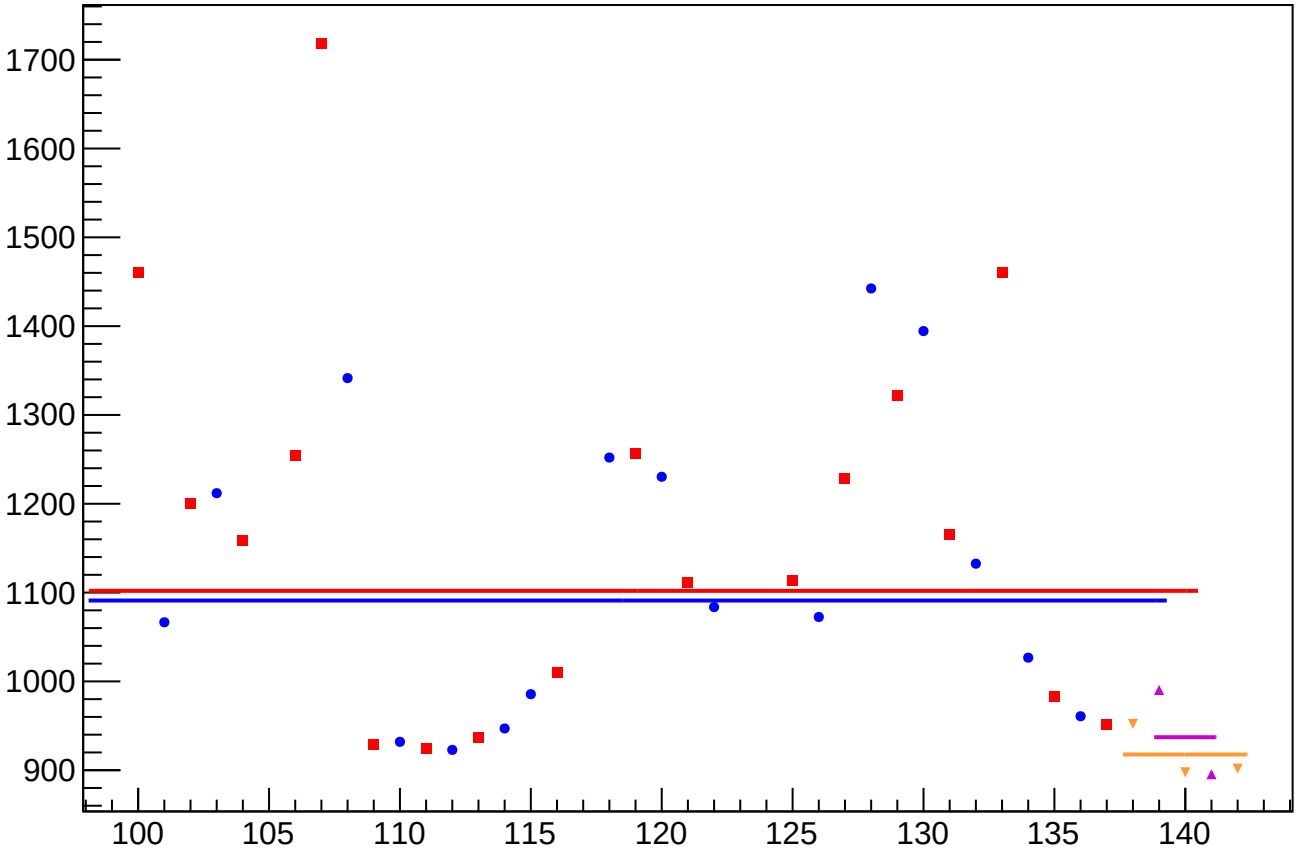
Left In: 1238.179+/-713.162 χ^2/NDF:0.1/1

\+ sign 35.246+/-345.083 χ^2/NDF: 15.1/18

All: 372.276+/-247.937 χ^2/NDF: 24.3/38

\- sign 731.903+/-356.464 χ^2/NDF: 7.3/19

asym_us_dd_rms vs Slug



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

Left Out: 917.692+/-0.452 χ^2/NDF:3160.2/2

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

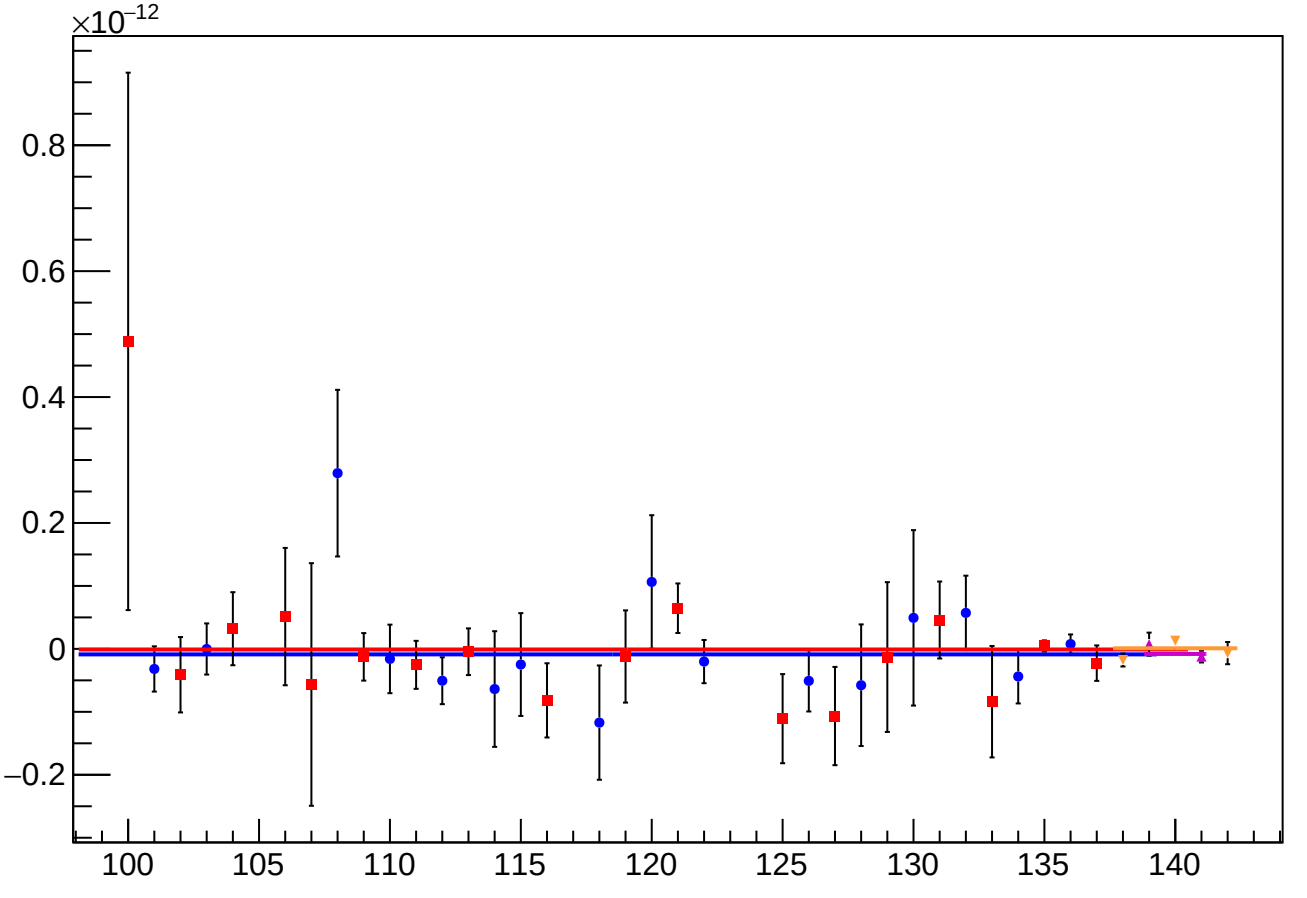
Left In: 937.140+/-0.504 χ^2/NDF:8716.9/1

+ sign 1040.519+/-0.244 χ^2/NDF: 384687.1/18

All: 1050.319+/-0.175 χ^2/NDF: 804975.5/38

- sign 1060.777+/-0.252 χ^2/NDF: 416954.0/19

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:5.9/2

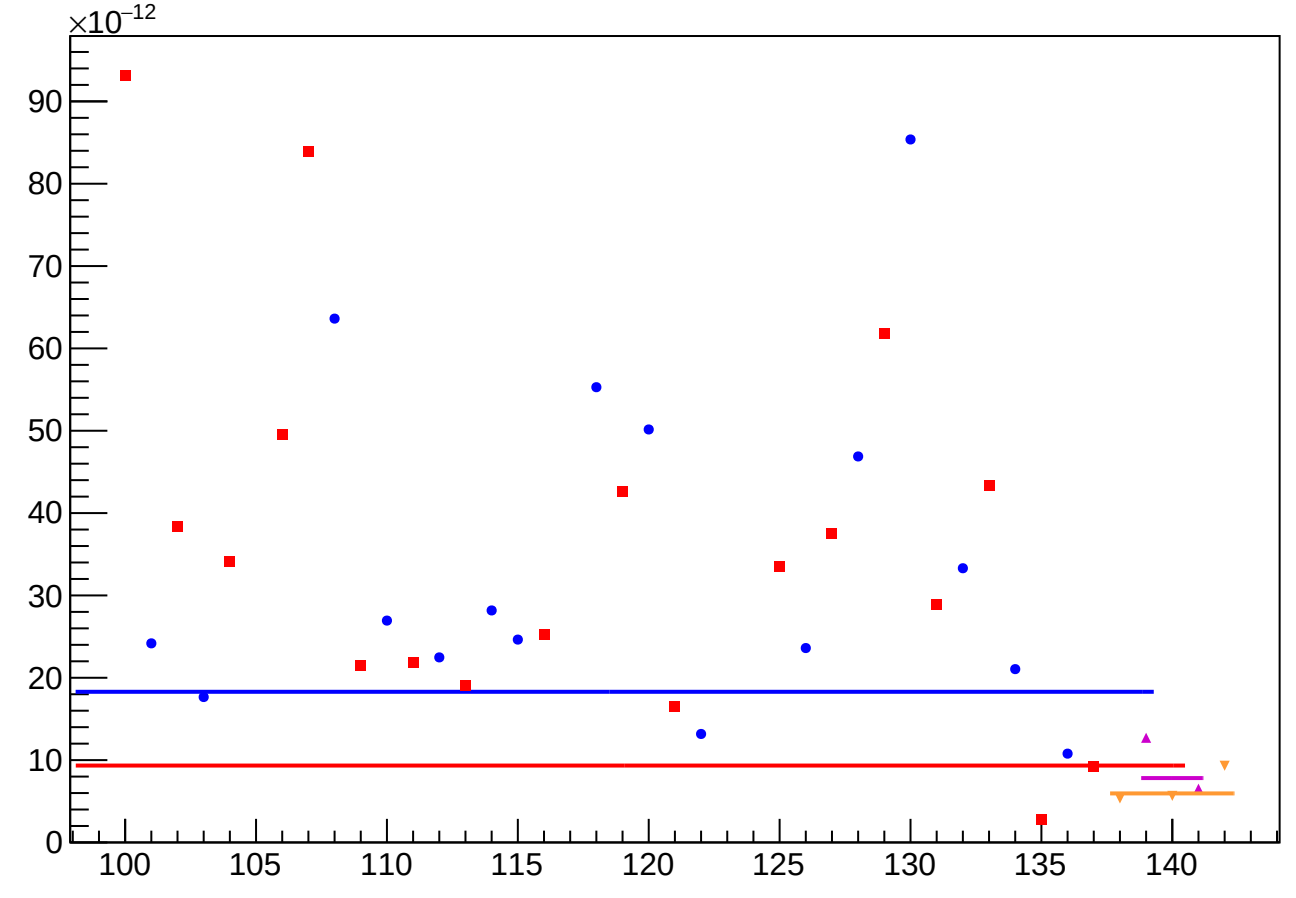
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/18

All: -0.000+/-0.000 χ^2/NDF: 36.2/38

- sign -0.000+/-0.000 χ^2/NDF: 15.6/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:82491.7/2

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

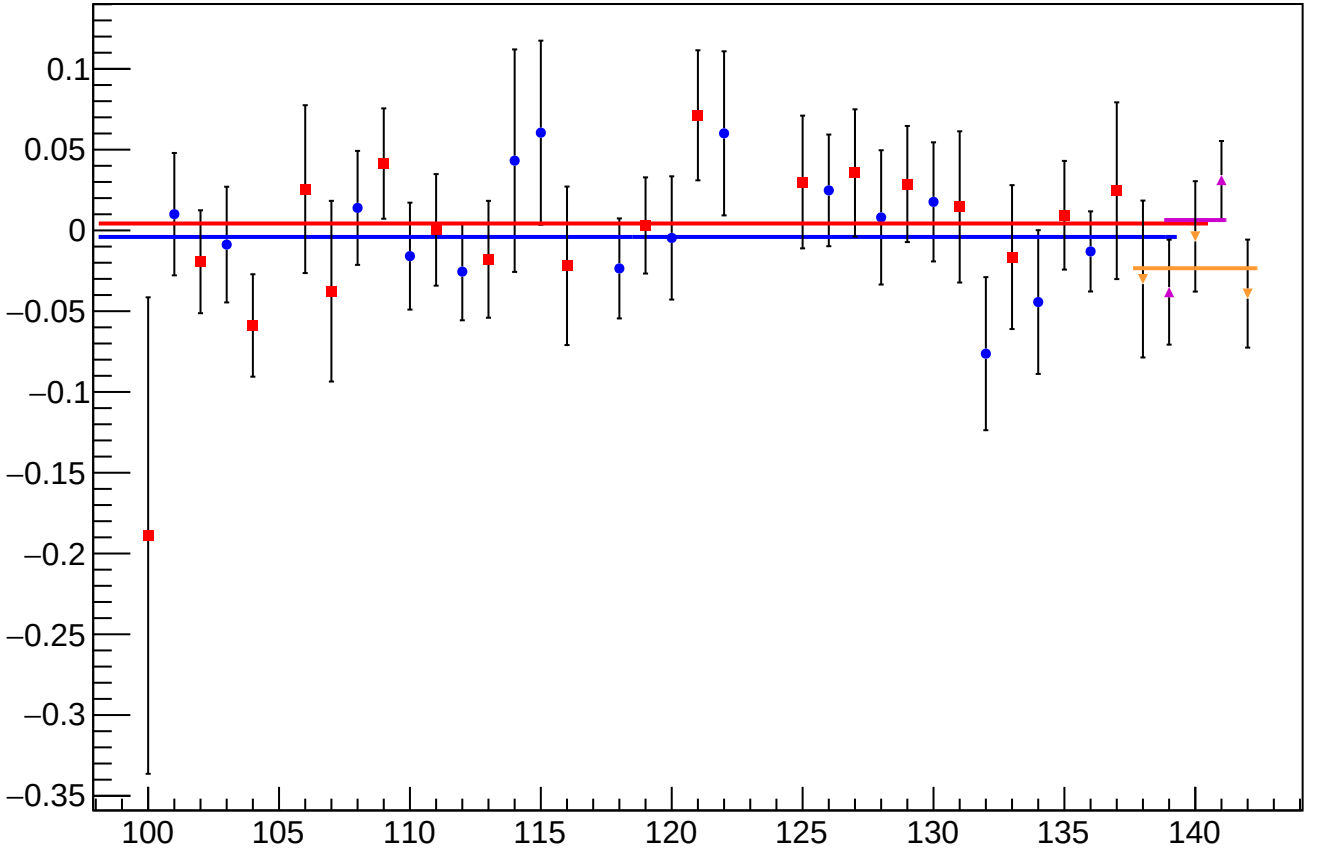
Left In: 0.000+/-0.000 χ^2/NDF:181157.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 4519759.4/18

All: 0.000+/-0.000 χ^2/NDF: 9882186.5/38

- sign 0.000+/-0.000 χ^2/NDF: 5359222.8/19

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.023+/-0.021 χ^2/NDF:0.6/2

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

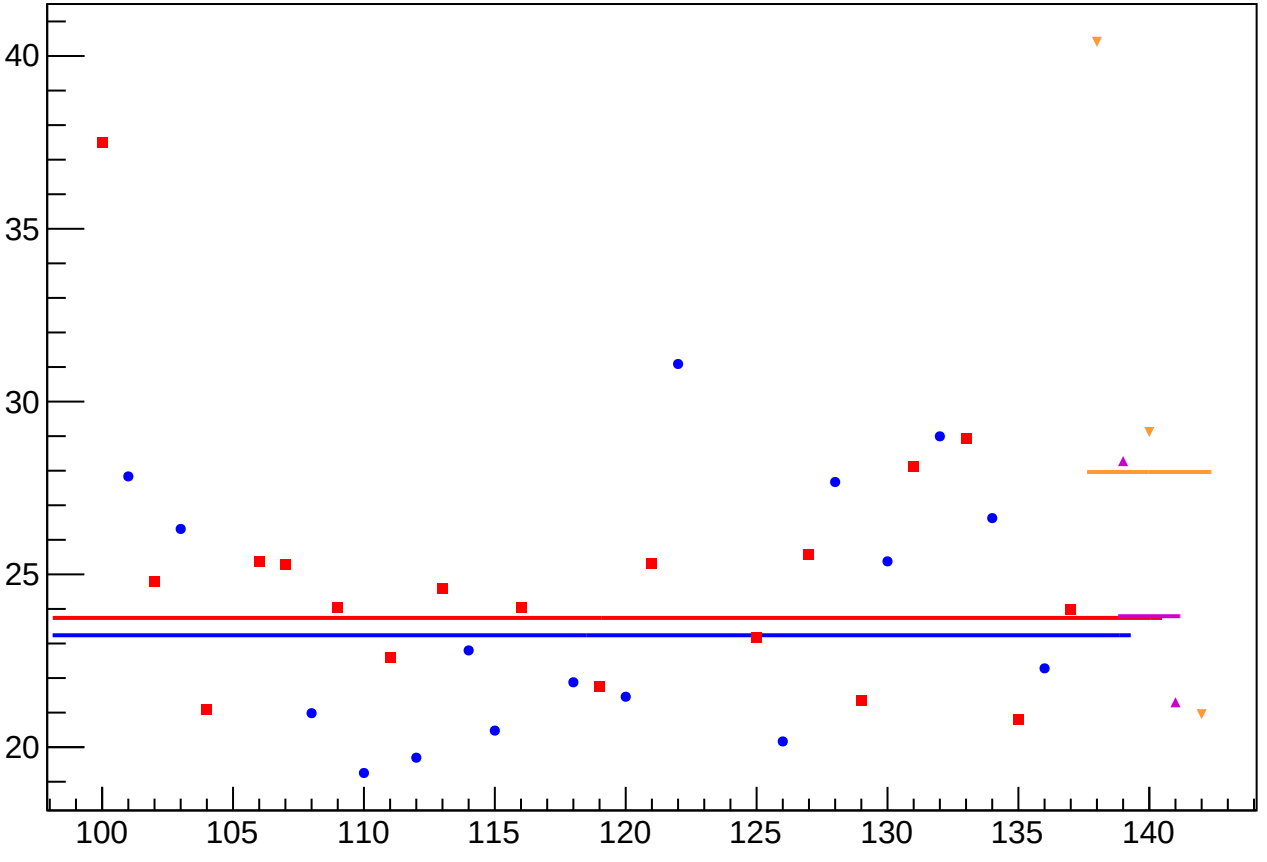
Left In: 0.006+/-0.019 χ^2/NDF:2.9/1

+ sign -0.007+/-0.009 χ^2/NDF: 10.5/18

All: -0.001+/-0.006 χ^2/NDF: 27.9/38

- sign 0.005+/-0.008 χ^2/NDF: 16.4/19

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 27.962+/-0.015 χ^2/NDF:221582.8/2

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

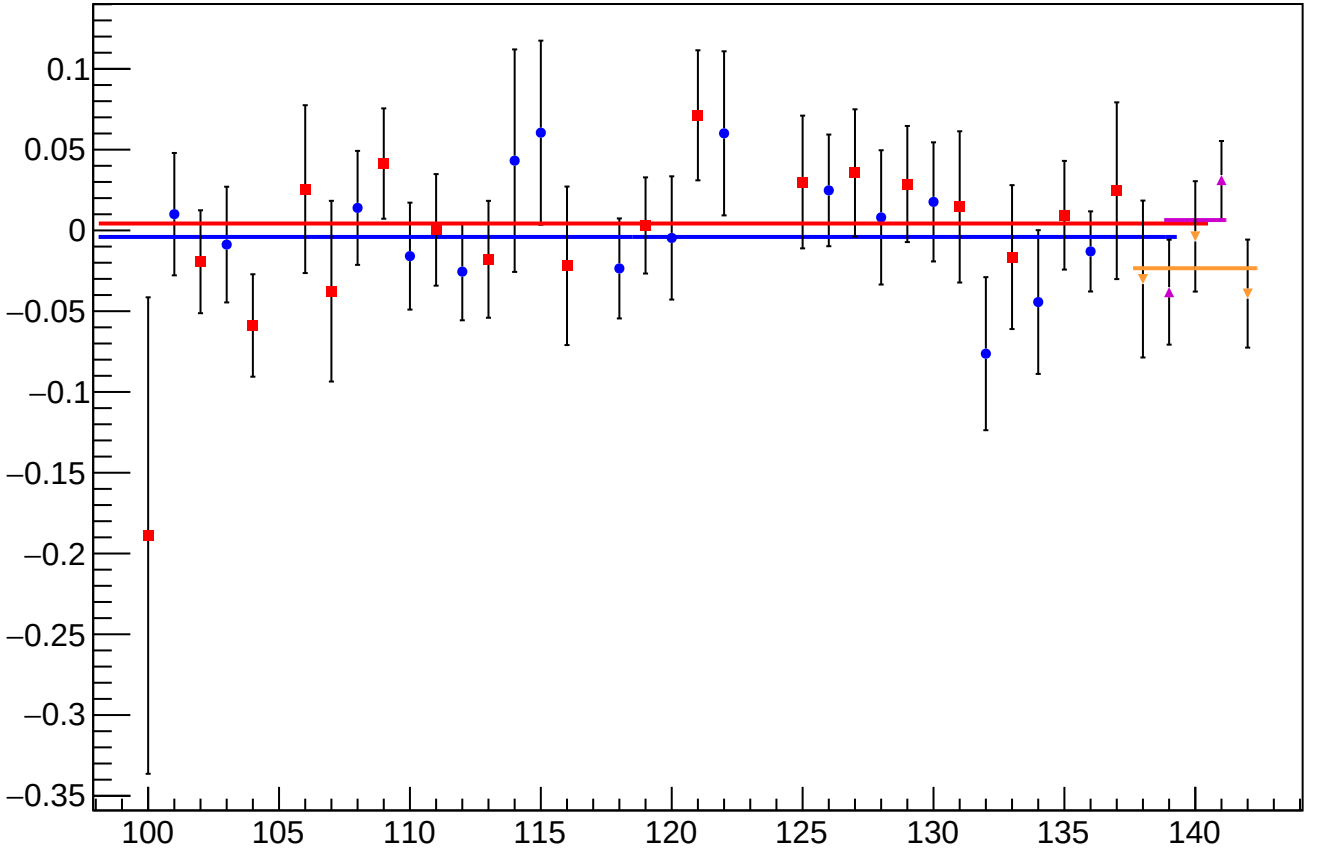
Left In: 23.789+/-0.014 χ^2/NDF:59390.4/1

+ sign 23.981+/-0.006 χ^2/NDF: 562633.6/18

All: 23.864+/-0.004 χ^2/NDF: 748966.3/38

- sign 23.749+/-0.006 χ^2/NDF: 185584.3/19

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.023+/-0.021 χ^2/NDF:0.6/2

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

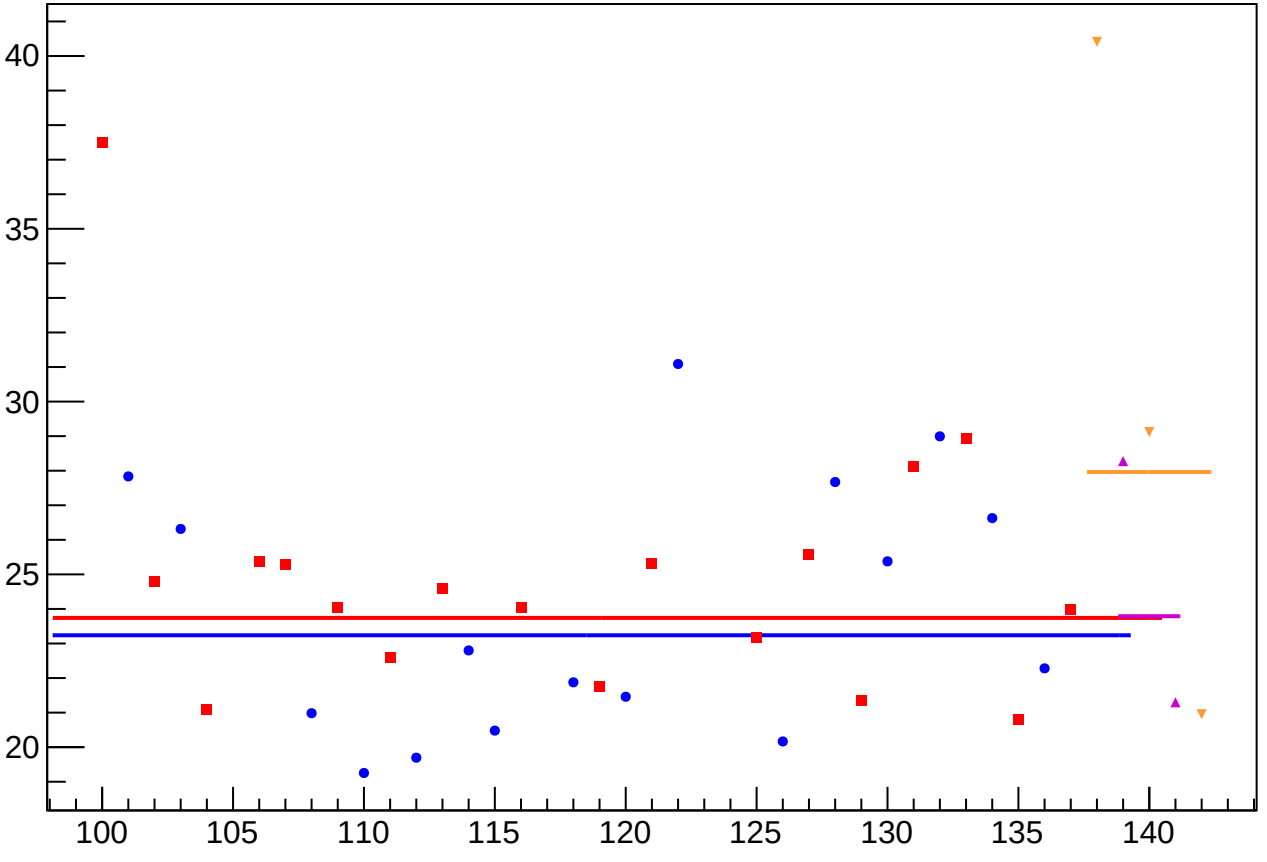
Left In: 0.006+/-0.019 χ^2/NDF:2.9/1

+ sign -0.007+/-0.009 χ^2/NDF: 10.5/18

All: -0.001+/-0.006 χ^2/NDF: 27.9/38

- sign 0.005+/-0.008 χ^2/NDF: 16.4/19

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: 27.962+/-0.015 χ^2/NDF:221582.8/2

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

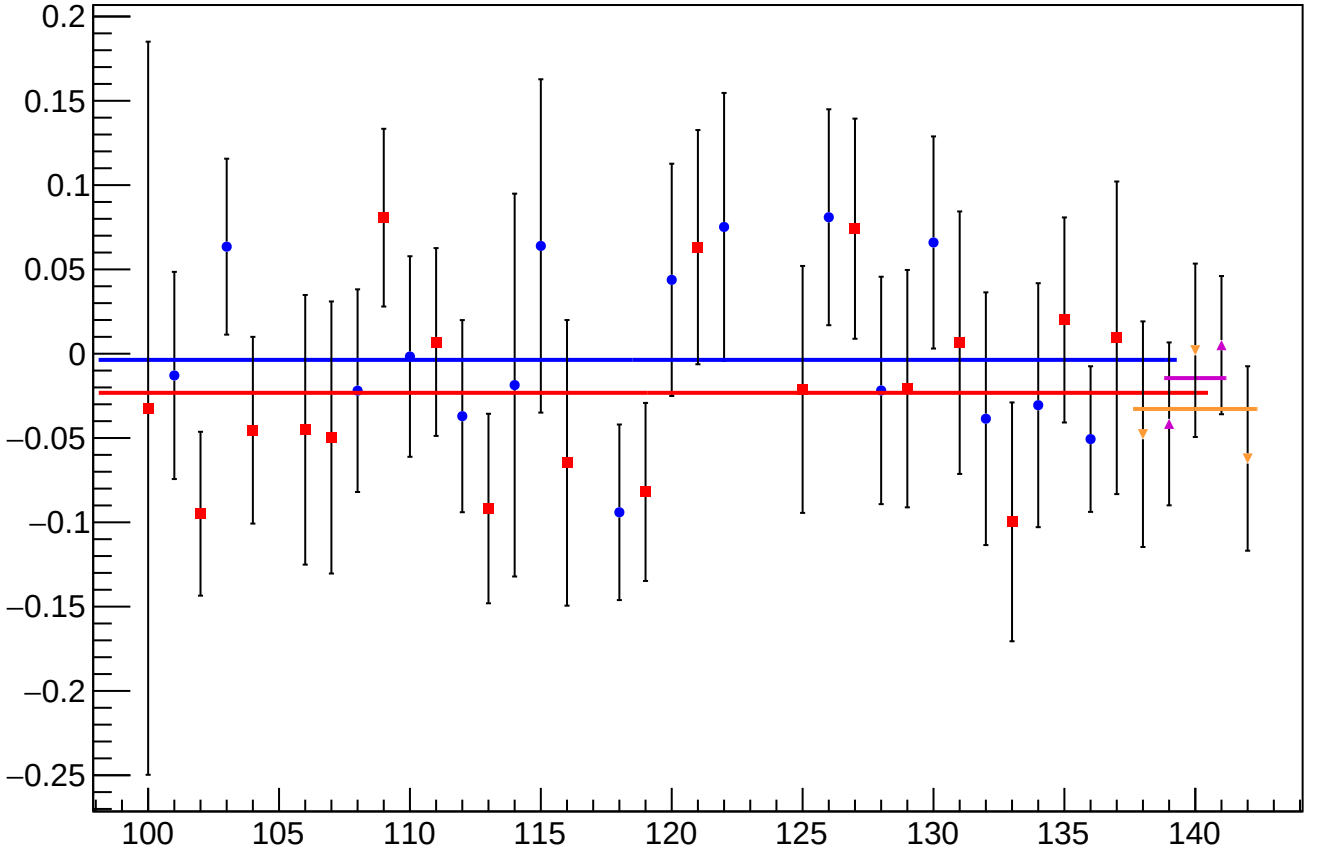
Left In: 23.789+/-0.014 χ^2/NDF:59390.4/1

+ sign 23.981+/-0.006 χ^2/NDF: 562633.6/18

All: 23.864+/-0.004 χ^2/NDF: 748966.3/38

- sign 23.749+/-0.006 χ^2/NDF: 185584.3/19

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.033+/-0.033 χ^2/NDF:0.8/2

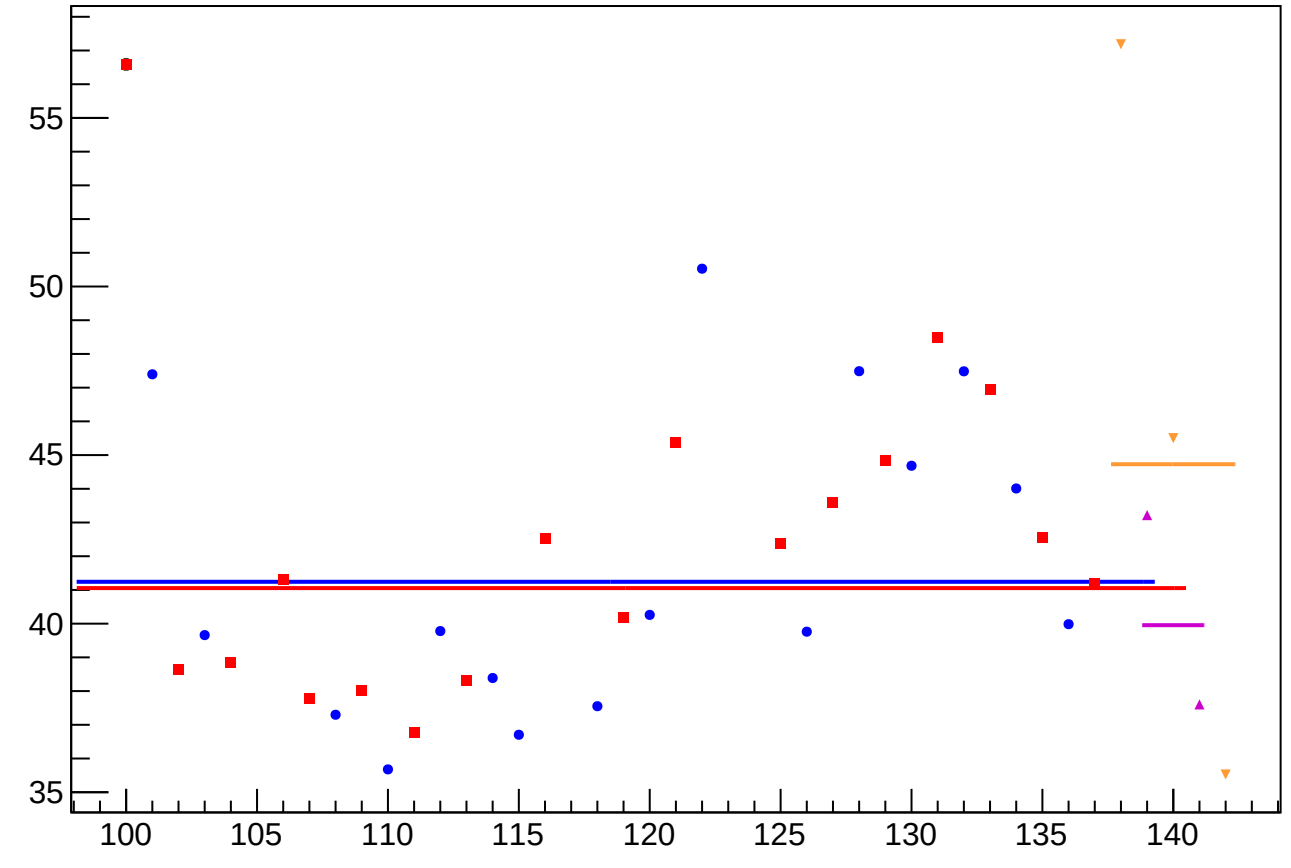
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.014+/-0.031 χ^2/NDF:0.5/1

+ sign -0.009+/-0.014 χ^2/NDF: 13.1/18

All: -0.015+/-0.010 χ^2/NDF: 29.5/38

- sign -0.021+/-0.014 χ^2/NDF: 16.0/19



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

Left Out: 44.728+/-0.023 χ^2/NDF:126376.6/2

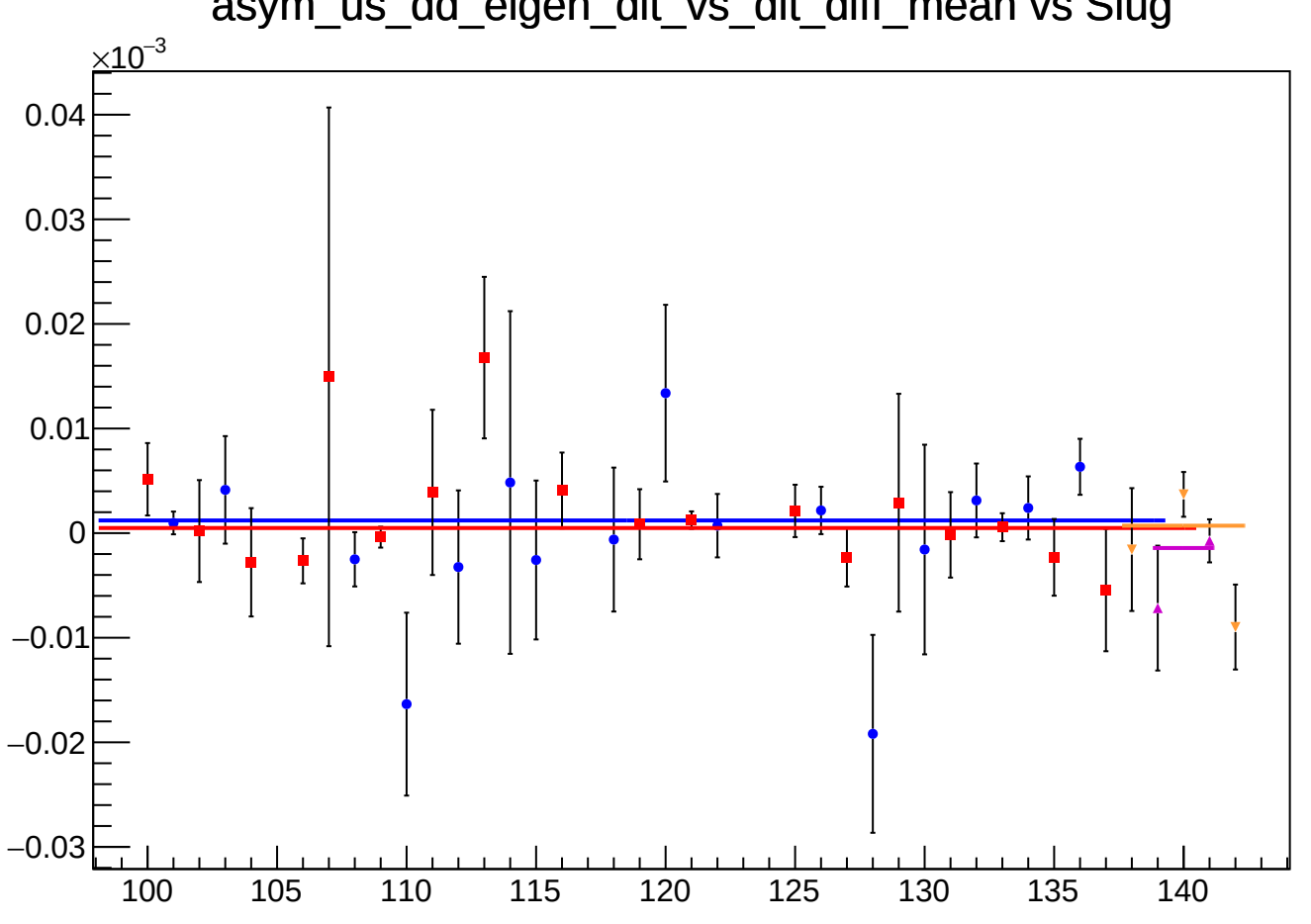
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.955+/-0.022 χ^2/NDF:15707.6/1

\+ sign 41.897+/-0.010 χ^2/NDF: 280130.2/18

All: 41.357+/-0.007 χ^2/NDF: 400090.6/38

\- sign 40.837+/-0.010 χ^2/NDF: 114256.3/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/2

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

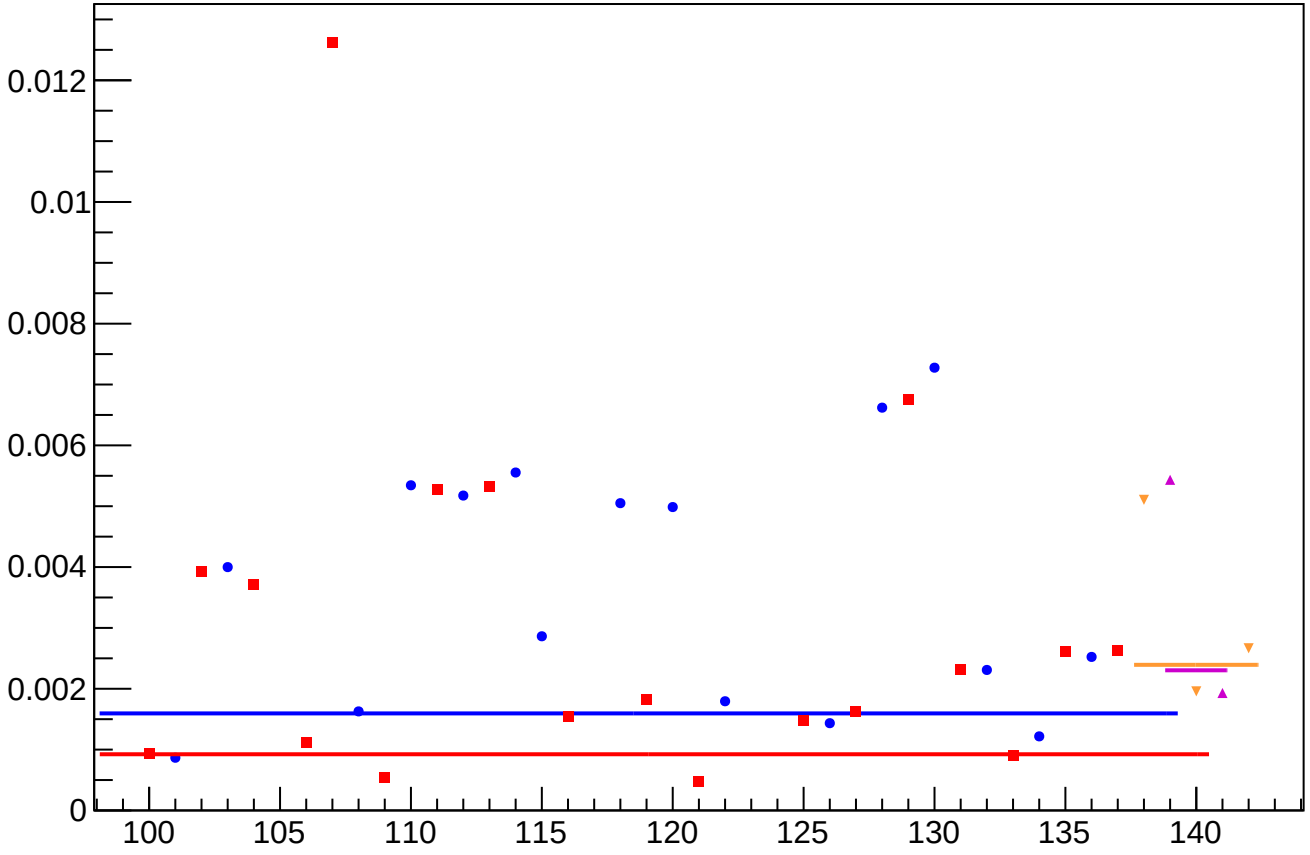
Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/18

All: 0.000+/-0.000 χ^2/NDF: 43.9/38

- sign 0.000+/-0.000 χ^2/NDF: 16.9/19

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:518684.0/2

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

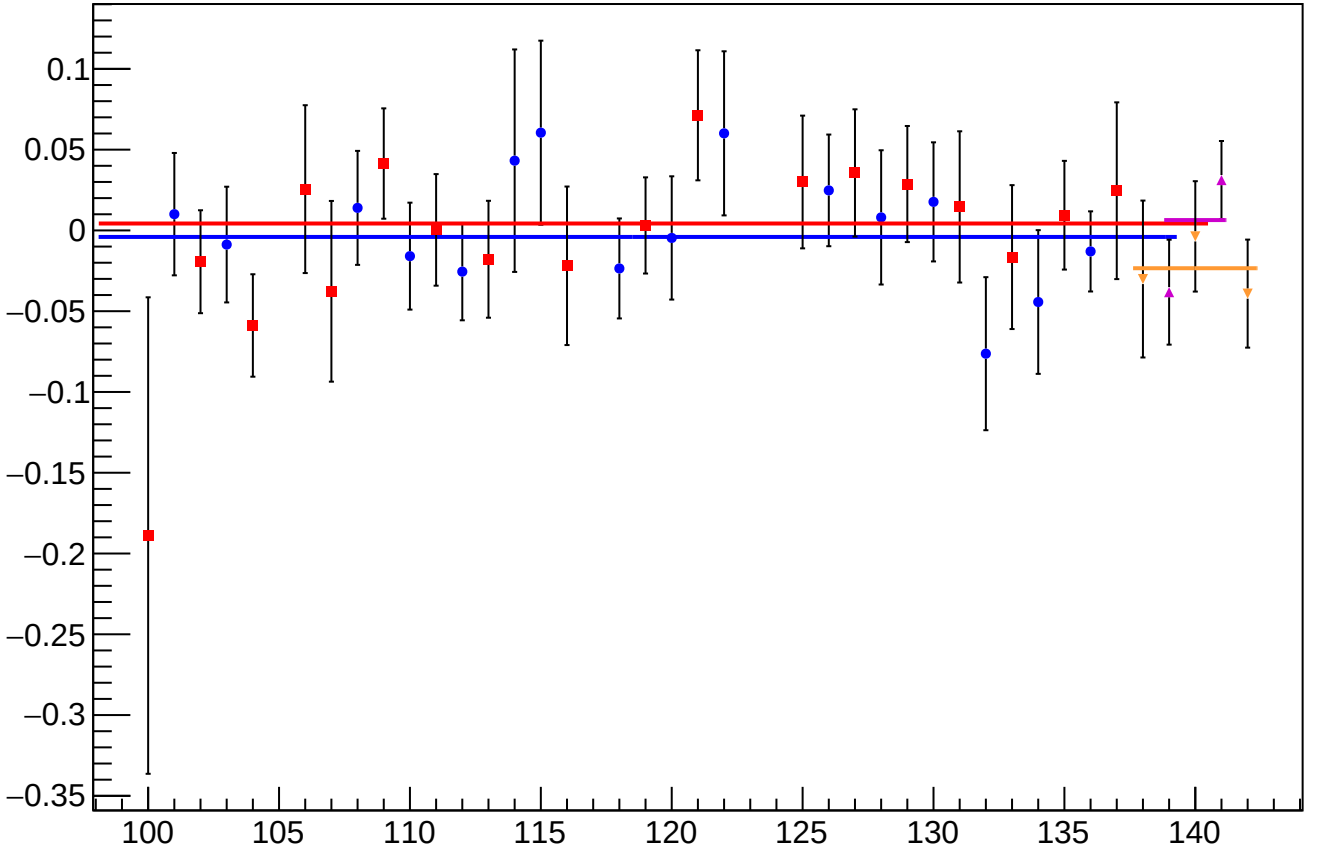
Left In: 0.002+/-0.000 χ^2/NDF:616176.0/1

+ sign 0.002+/-0.000 χ^2/NDF: 5615364.0/18

All: 0.001+/-0.000 χ^2/NDF: 14351235.9/38

- sign 0.001+/-0.000 χ^2/NDF: 7339892.7/19

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.023+/-0.021 χ^2/NDF:0.6/2

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

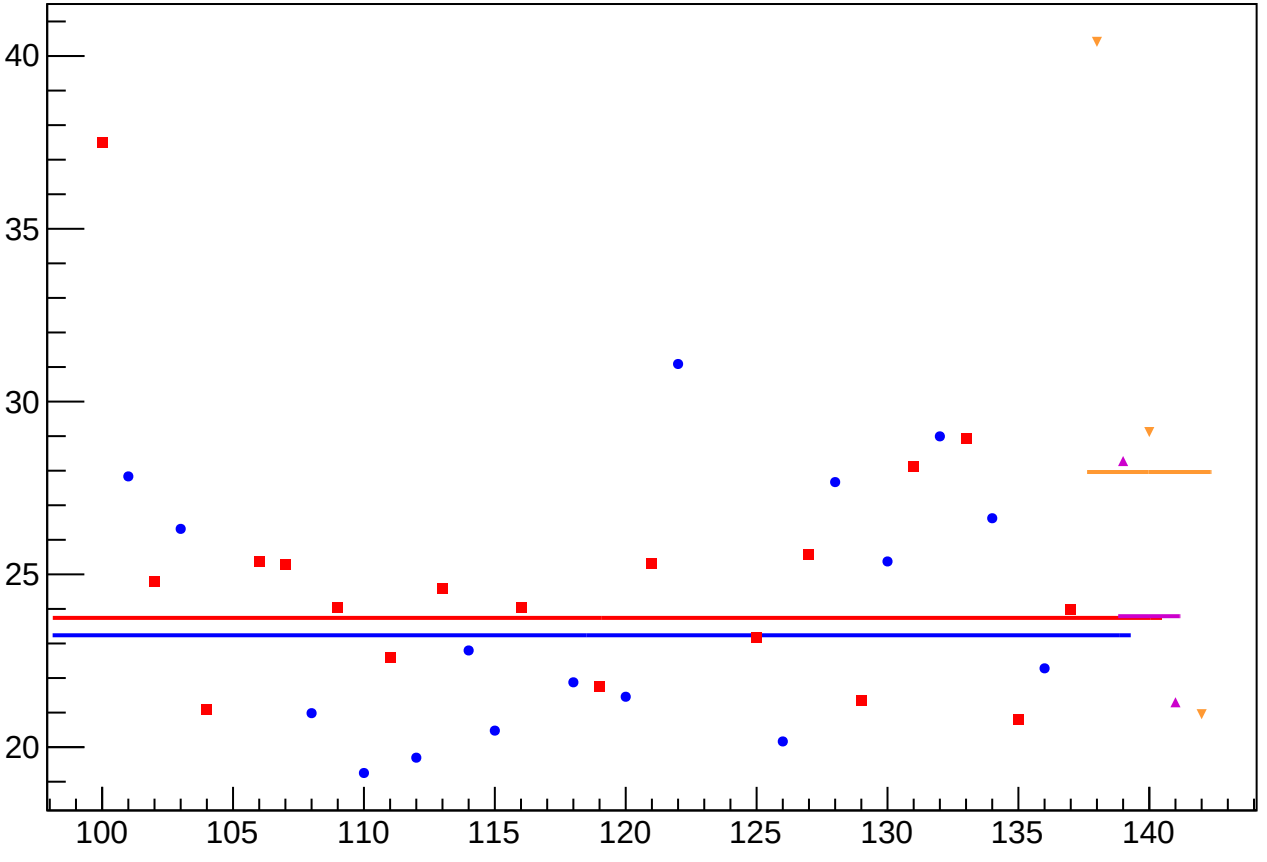
Left In: 0.006+/-0.019 χ^2/NDF:2.9/1

+ sign -0.007+/-0.009 χ^2/NDF: 10.5/18

All: -0.001+/-0.006 χ^2/NDF: 27.9/38

- sign 0.005+/-0.008 χ^2/NDF: 16.4/19

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 27.962+/-0.015 χ^2/NDF:221576.1/2

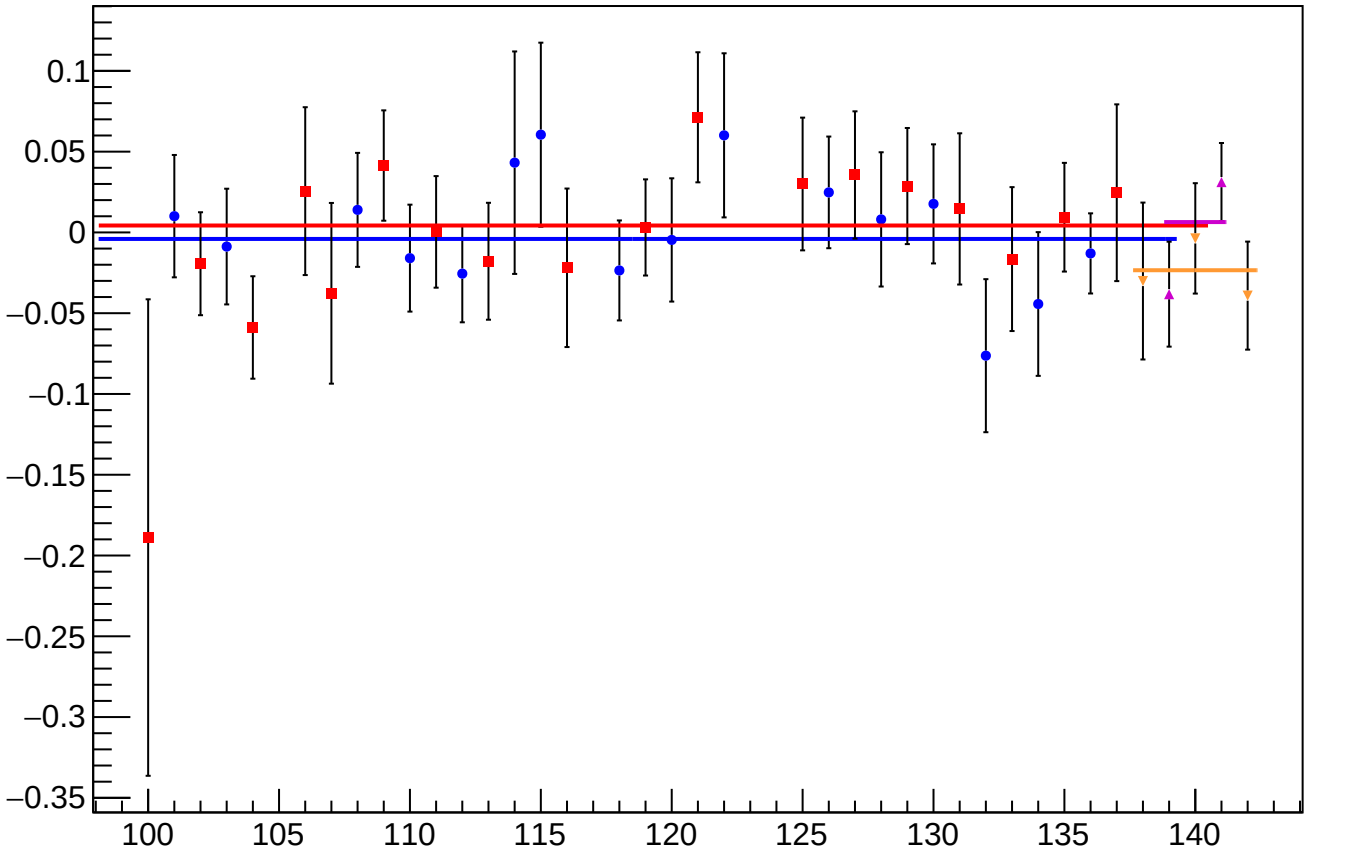
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.789+/-0.014 χ^2/NDF:59411.9/1

+ sign 23.980+/-0.006 χ^2/NDF: 562645.6/18

All: 23.863+/-0.004 χ^2/NDF: 748943.8/38

- sign 23.750+/-0.006 χ^2/NDF: 185555.0/19



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

Left Out: -0.023+/-0.021 χ^2/NDF:0.6/2

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

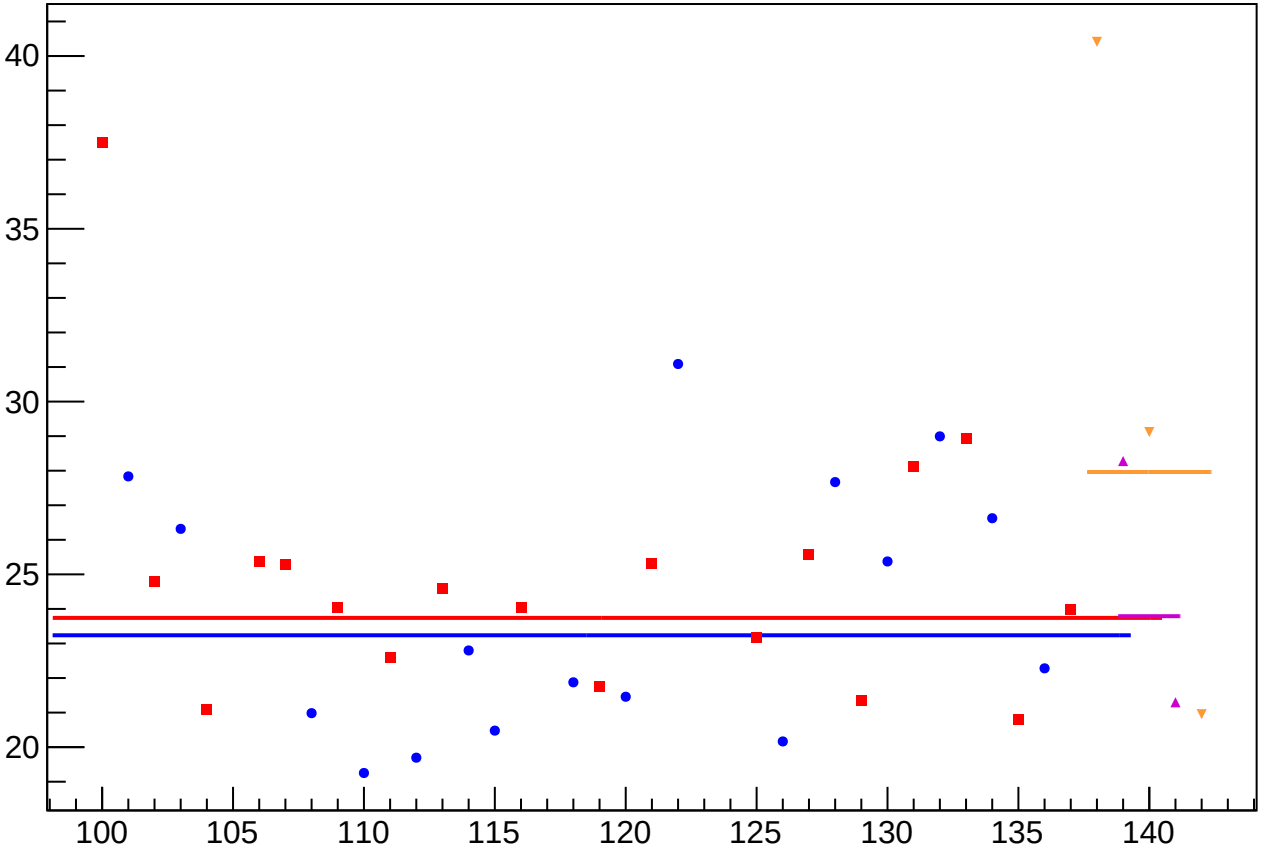
Left In: 0.006+/-0.019 χ^2/NDF:2.9/1

+ sign -0.007+/-0.009 χ^2/NDF: 10.5/18

All: -0.001+/-0.006 χ^2/NDF: 27.9/38

- sign 0.005+/-0.008 χ^2/NDF: 16.4/19

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 27.962+/-0.015 χ^2/NDF:221576.1/2

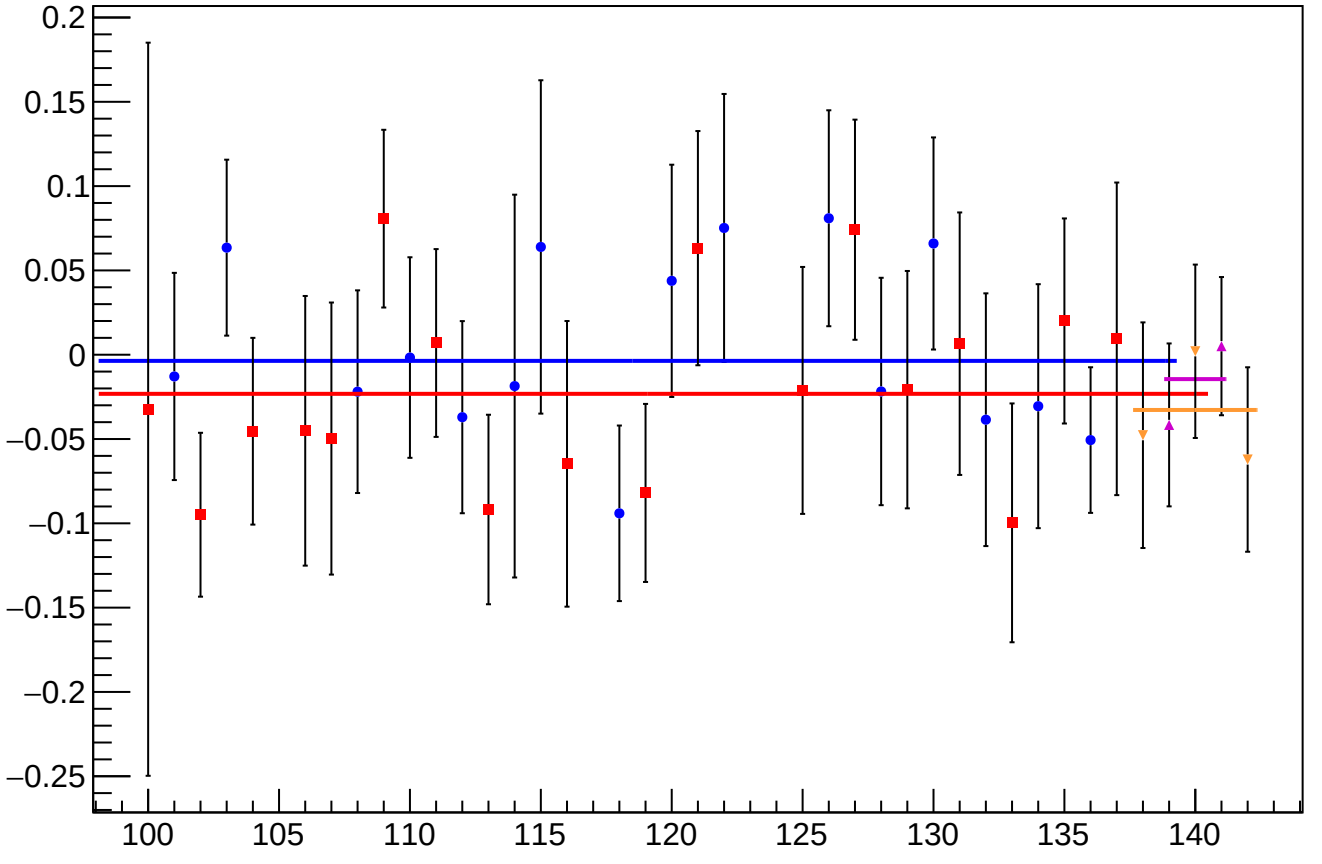
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.789+/-0.014 χ^2/NDF:59411.9/1

+ sign 23.980+/-0.006 χ^2/NDF: 562645.6/18

All: 23.863+/-0.004 χ^2/NDF: 748943.8/38

- sign 23.750+/-0.006 χ^2/NDF: 185555.0/19



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

Left Out: -0.033+/-0.033 χ^2/NDF:0.8/2

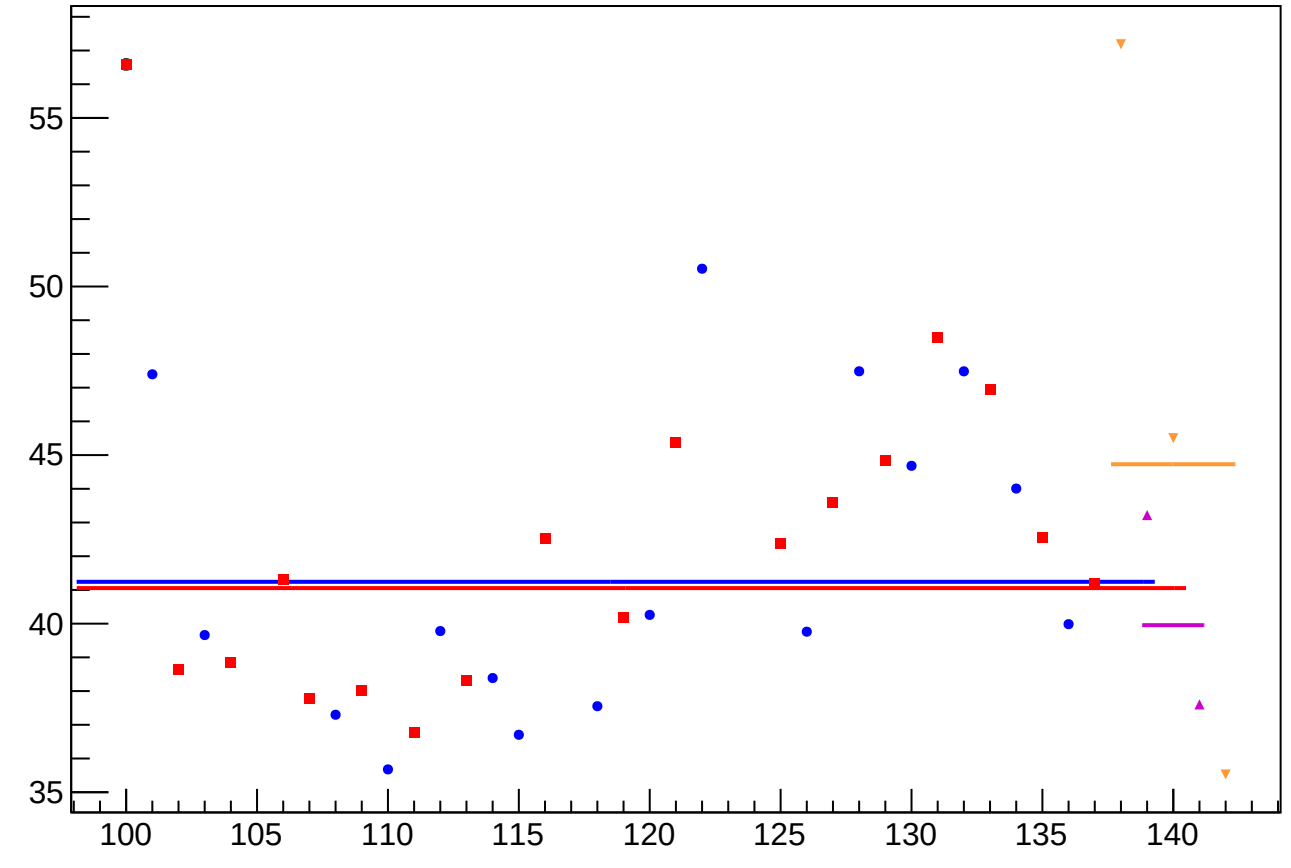
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.014+/-0.031 χ^2/NDF:0.5/1

+ sign -0.009+/-0.014 χ^2/NDF: 13.1/18

All: -0.015+/-0.010 χ^2/NDF: 29.5/38

- sign -0.021+/-0.014 χ^2/NDF: 16.0/19



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

Left Out: 44.728+/-0.023 χ^2/NDF:126382.2/2

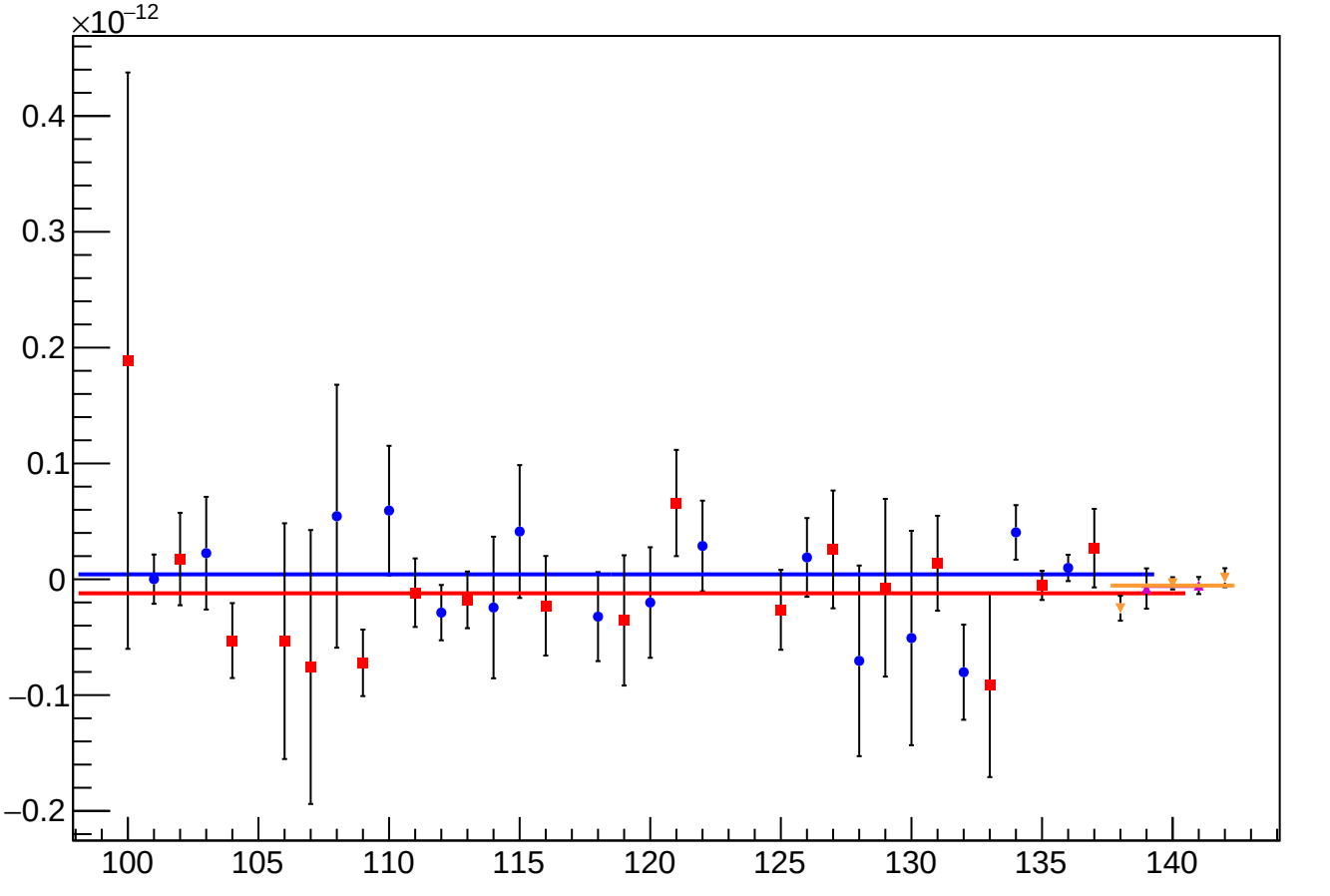
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.955+/-0.022 χ^2/NDF:15713.2/1

+ sign 41.897+/-0.010 χ^2/NDF: 280114.9/18

All: 41.357+/-0.007 χ^2/NDF: 400066.1/38

- sign 40.837+/-0.010 χ^2/NDF: 114249.8/19



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/2

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

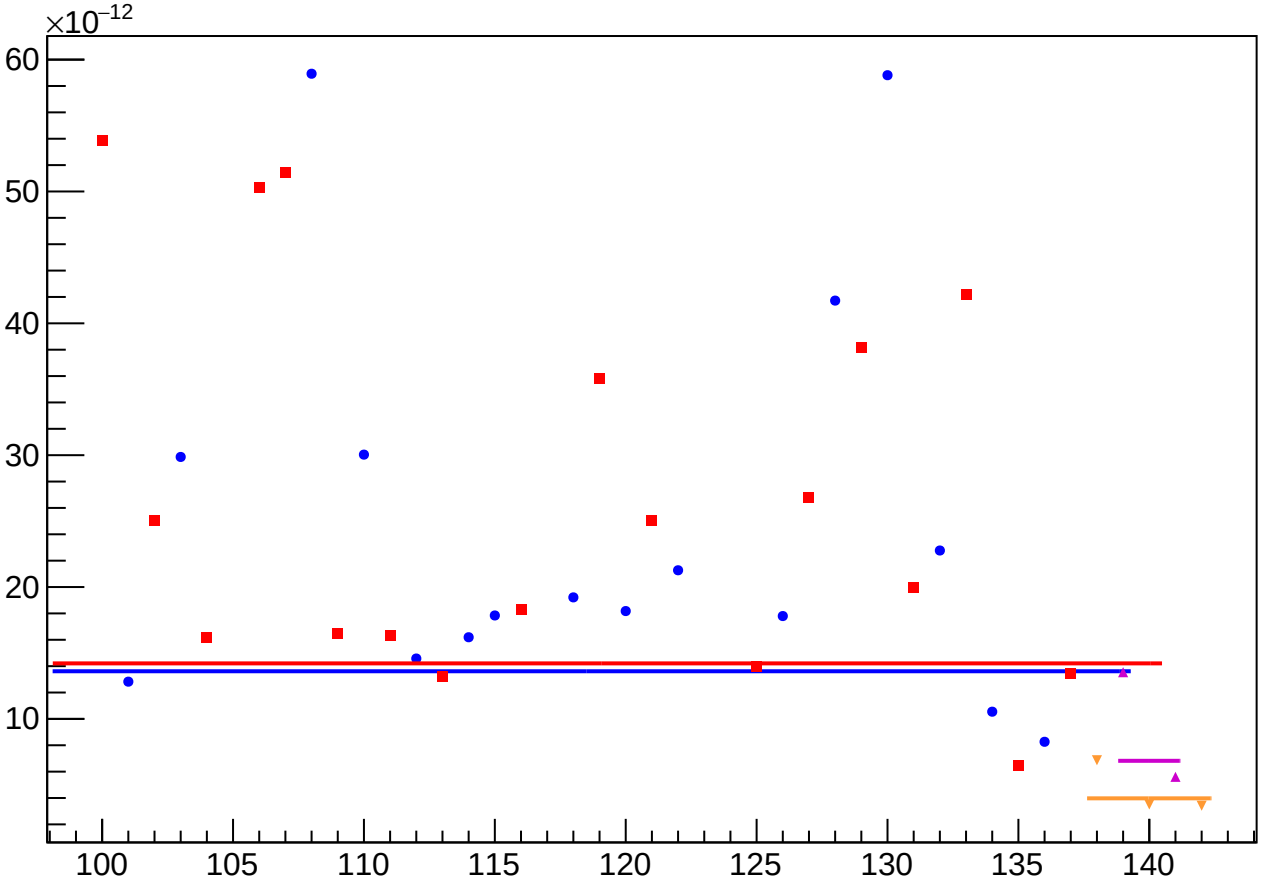
Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.1/18

All: -0.000+/-0.000 χ^2/NDF: 34.8/38

- sign -0.000+/-0.000 χ^2/NDF: 14.9/19

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:169742.0/2

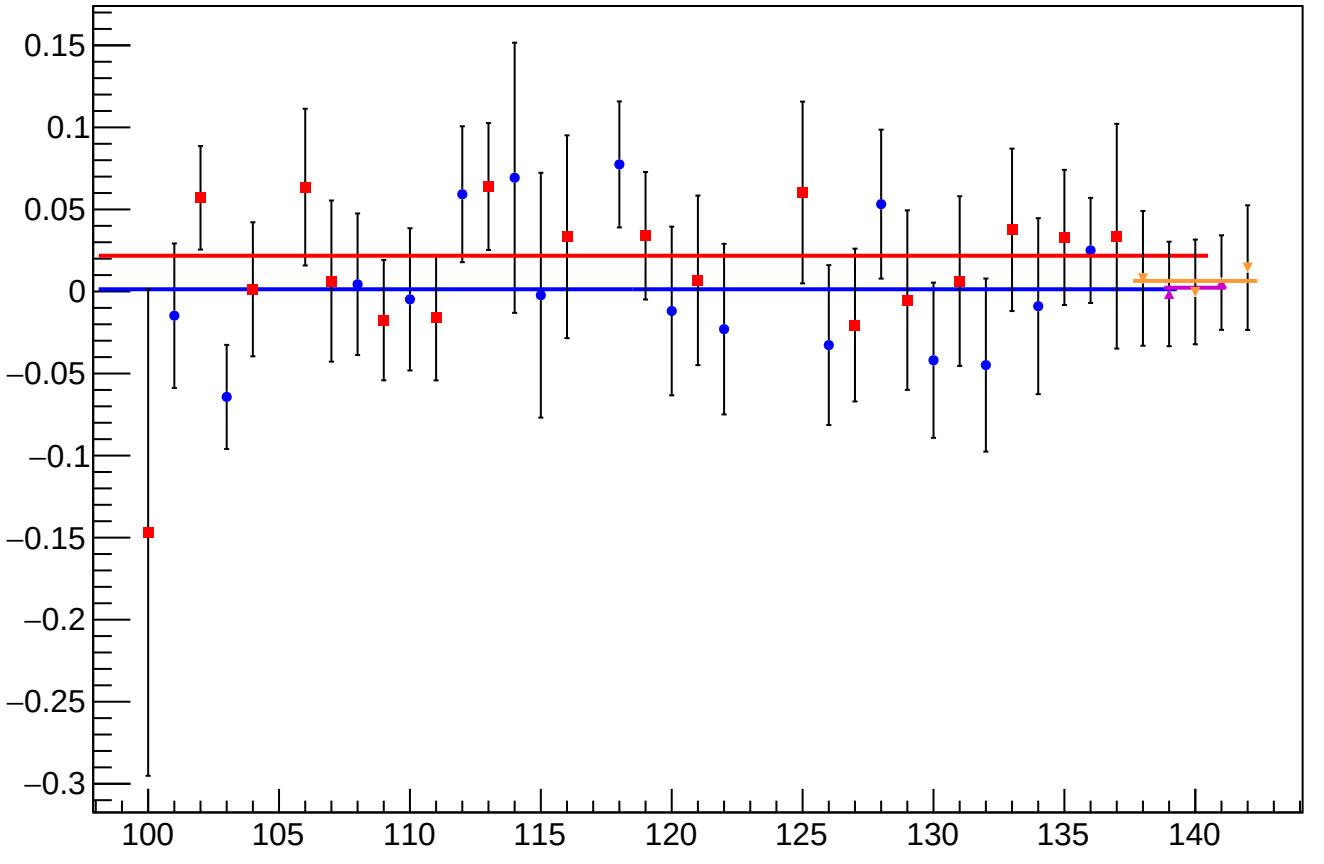
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:351880.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 4967745.3/18

All: 0.000+/-0.000 χ^2/NDF: 9541036.5/38

- sign 0.000+/-0.000 χ^2/NDF: 3843758.8/19



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

Left Out: 0.006+/-0.021 χ^2/NDF:0.1/2

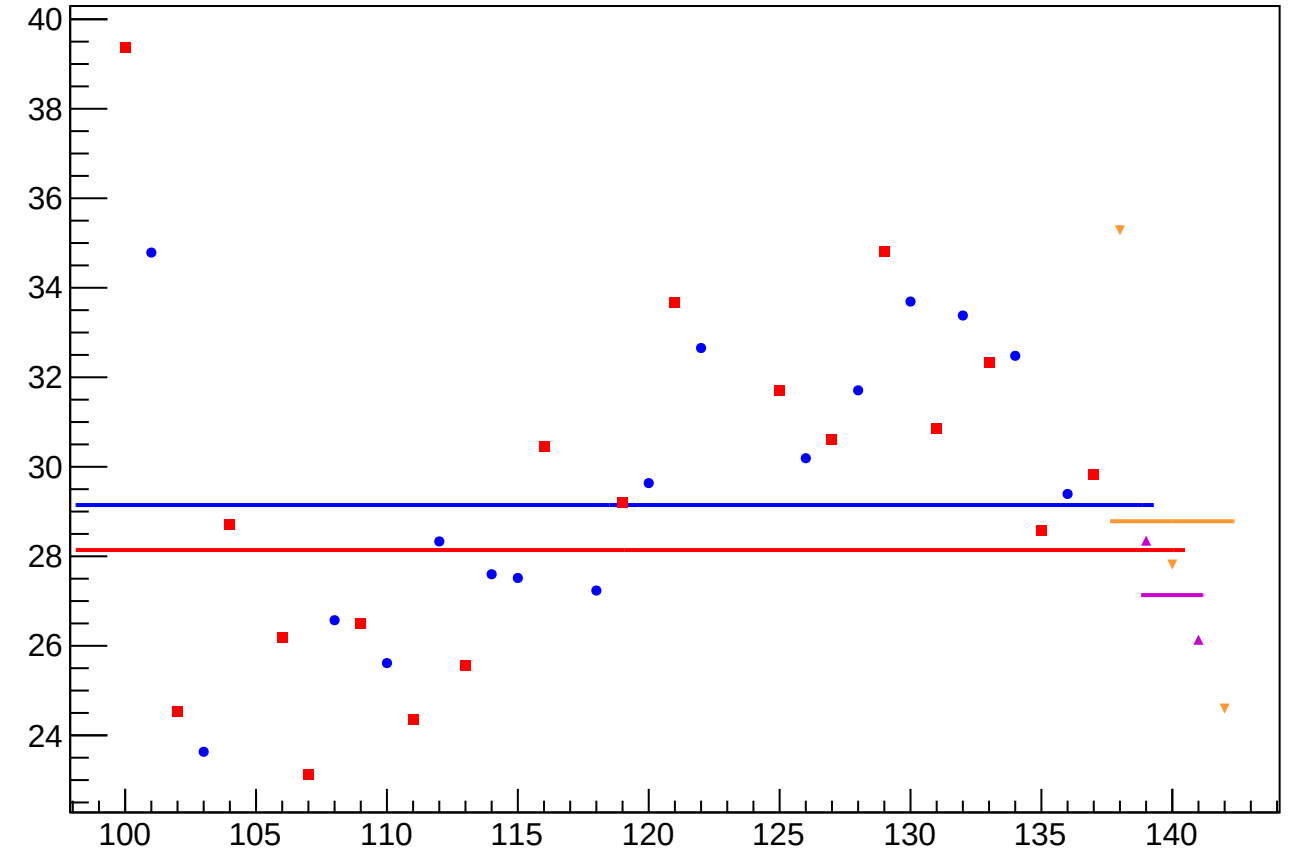
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.002+/-0.021 χ^2/NDF:0.0/1

+ sign 0.002+/-0.010 χ^2/NDF: 15.4/18

All: 0.010+/-0.007 χ^2/NDF: 26.4/38

- sign 0.018+/-0.010 χ^2/NDF: 9.7/19



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

Left Out: 28.784+/-0.015 χ^2/NDF:76252.4/2

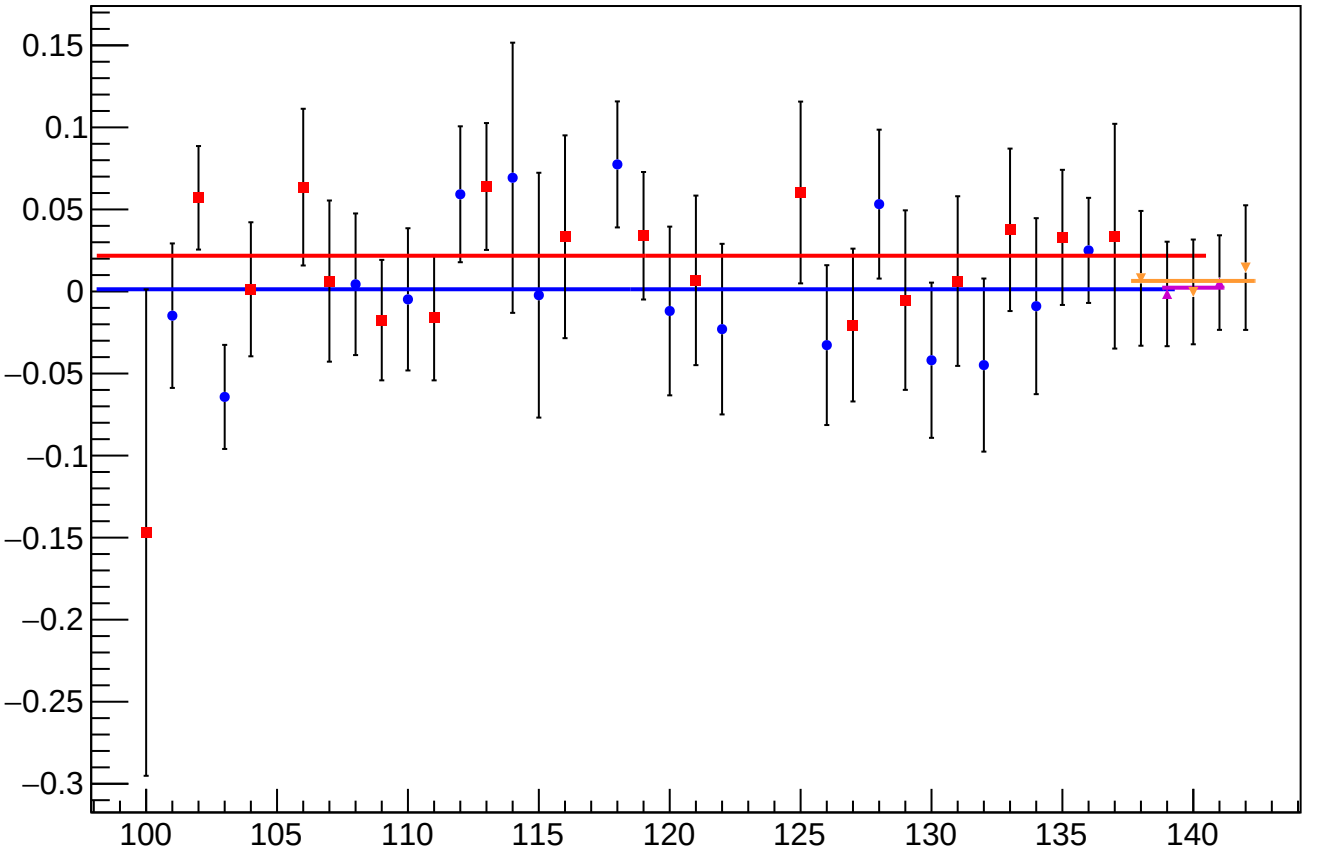
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.134+/-0.015 χ^2/NDF:5314.6/1

\+ sign 29.065+/-0.007 χ^2/NDF: 253603.9/18

All: 28.485+/-0.005 χ^2/NDF: 462956.1/38

\- sign 27.936+/-0.007 χ^2/NDF: 195955.5/19



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

Left Out: 0.006+/-0.021 χ^2/NDF:0.1/2

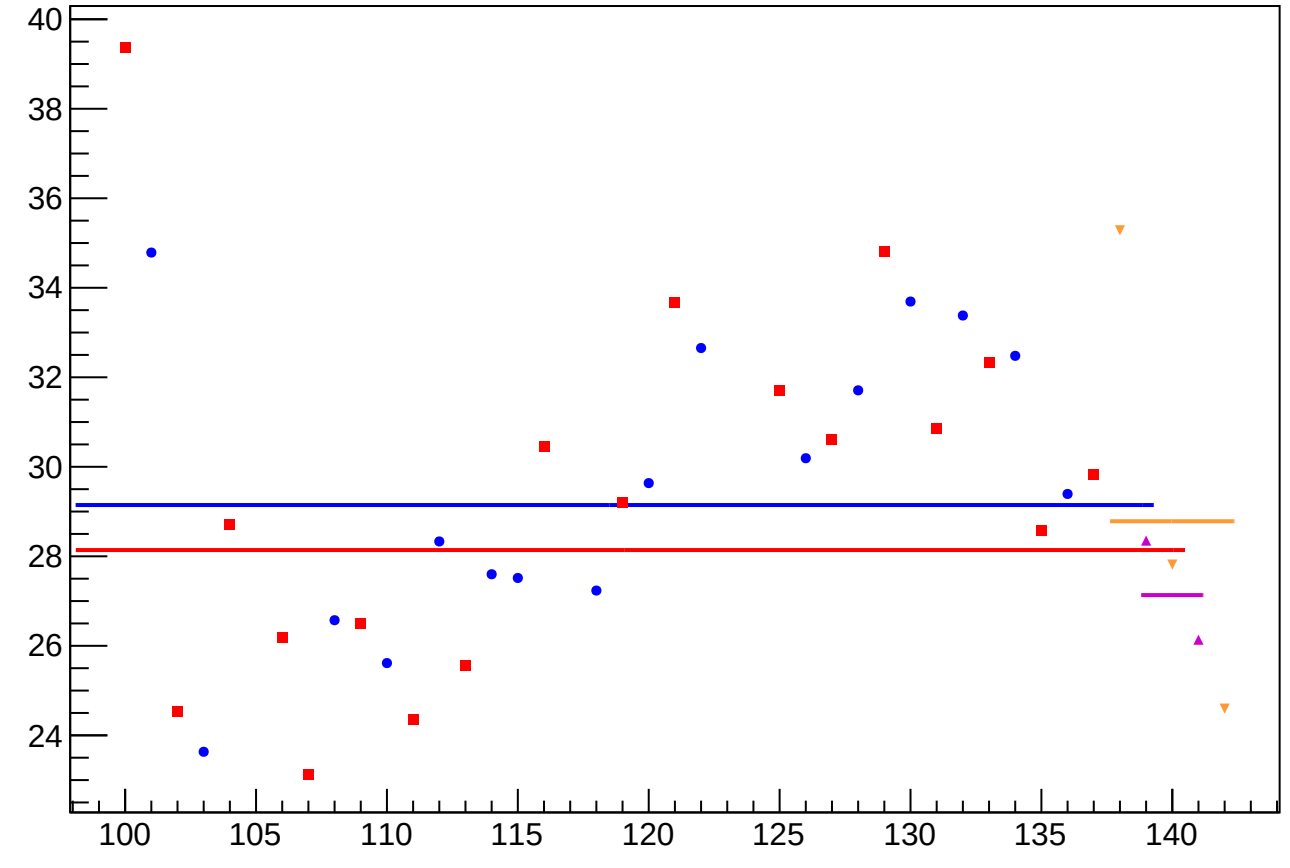
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.002+/-0.021 χ^2/NDF:0.0/1

+ sign 0.002+/-0.010 χ^2/NDF: 15.4/18

All: 0.010+/-0.007 χ^2/NDF: 26.4/38

- sign 0.018+/-0.010 χ^2/NDF: 9.7/19



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

Left Out: 28.784+/-0.015 χ^2/NDF:76252.4/2

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

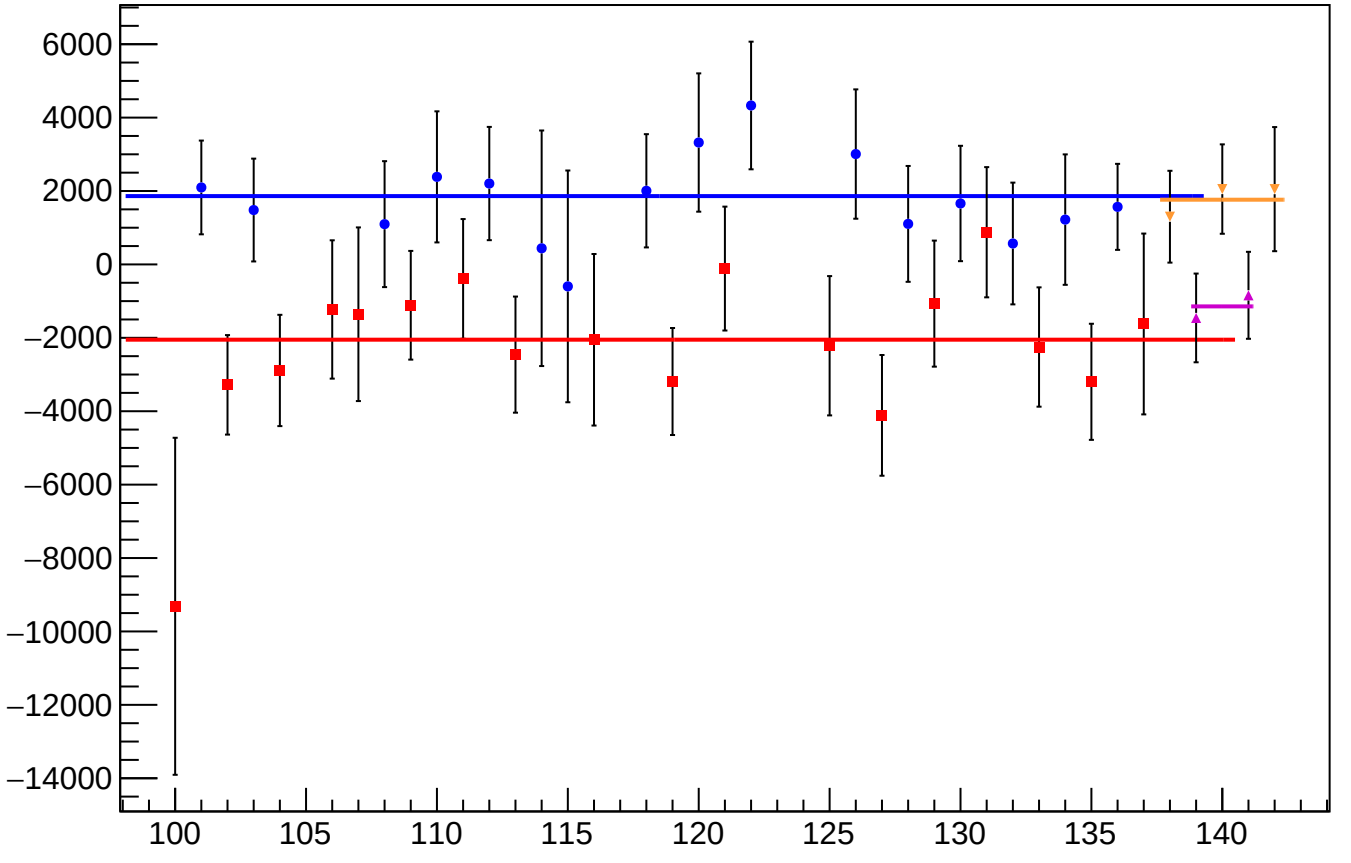
Left In: 27.134+/-0.015 χ^2/NDF:5314.6/1

\+ sign 29.065+/-0.007 χ^2/NDF: 253603.9/18

All: 28.485+/-0.005 χ^2/NDF: 462956.1/38

\- sign 27.936+/-0.007 χ^2/NDF: 195955.5/19

reg_asym_usl_mean vs Slug



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

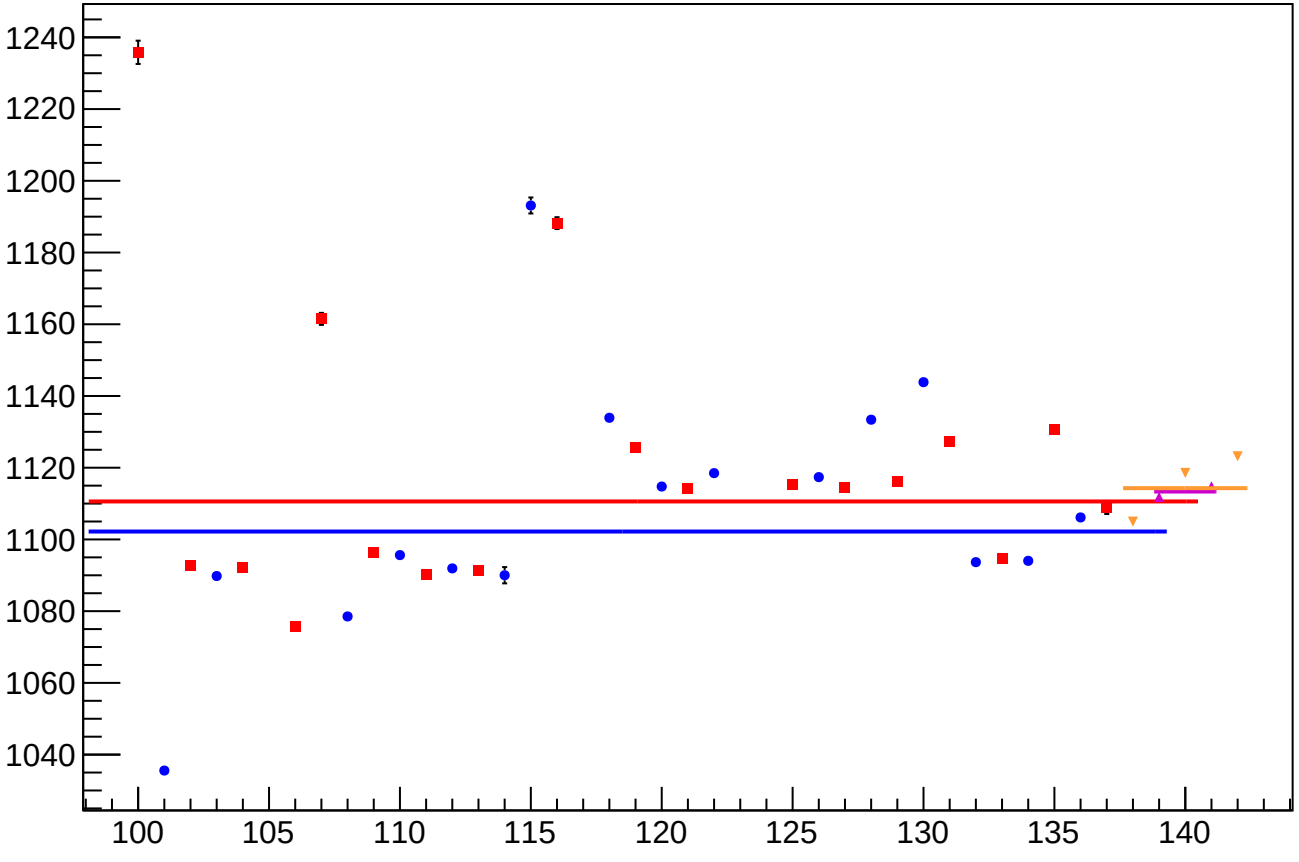
Left In: -1143.738+/-846.169 χ^2/NDF:0.1/1

+ sign 1840.067+/-362.129 χ^2/NDF: 5.6/18

All: 12.623+/-258.260 χ^2/NDF: 71.0/38

- sign -1878.880+/-368.421 χ^2/NDF: 13.6/19

reg_asym_usl_rms vs Slug



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

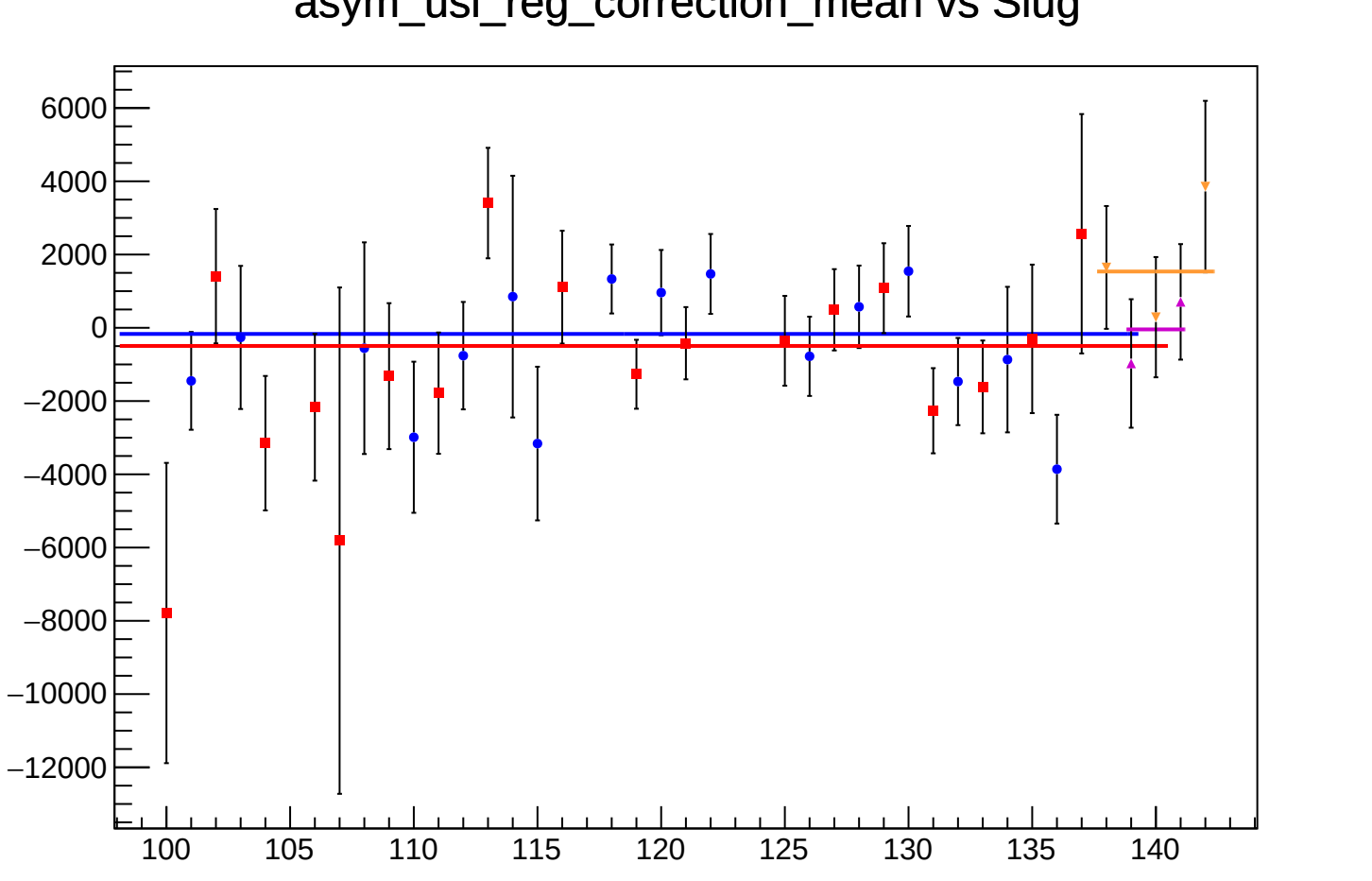
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1113.359+/-0.598 χ^2/NDF:6.2/1

+ sign 1104.841+/-0.256 χ^2/NDF: 11920.1/18

All: 1107.925+/-0.183 χ^2/NDF: 19934.7/38

- sign 1111.116+/-0.261 χ^2/NDF: 7719.5/19



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

Left Out: 1536.724+/-1048.639 χ^2/NDF:1.6/2

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

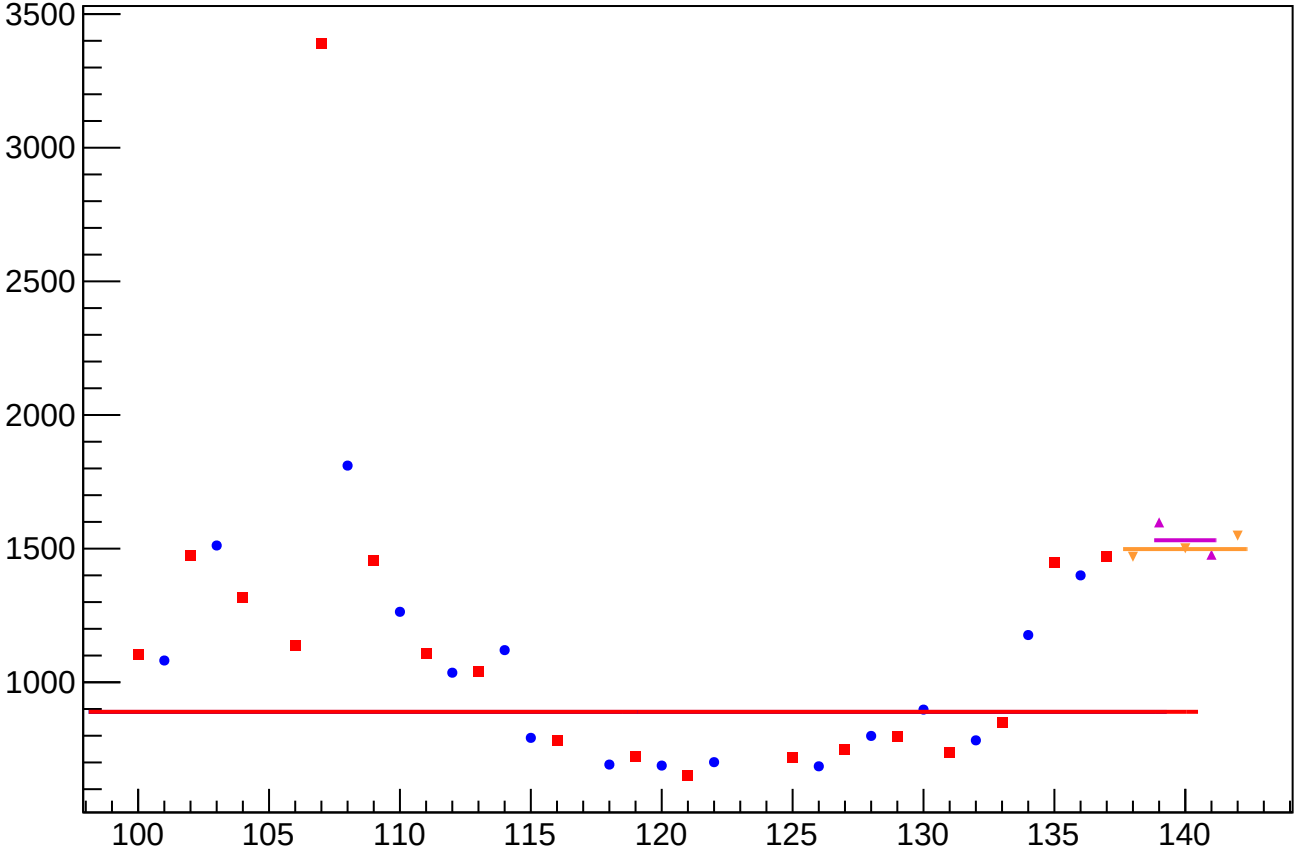
Left In: -43.728+/-1172.799 χ^2/NDF:0.5/1

\+ sign -1.020+/-328.098 χ^2/NDF: 25.0/18

All: -228.079+/-233.028 χ^2/NDF: 49.9/38

\- sign -459.207+/-331.024 χ^2/NDF: 23.9/19

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1498.329+/-0.741 χ^2/NDF:1512.2/2

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

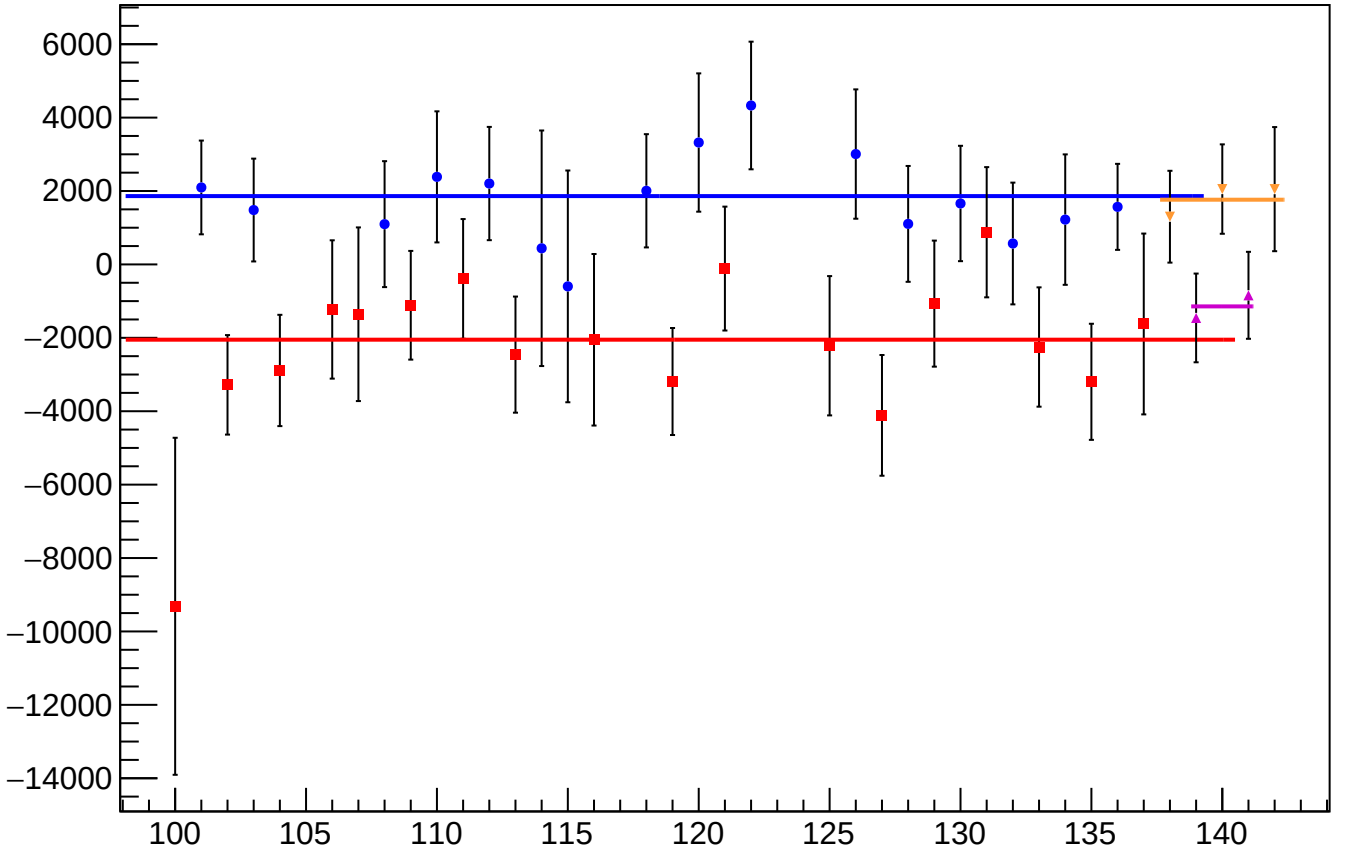
Left In: 1531.365+/-0.829 χ^2/NDF:5255.6/1

+ sign 948.610+/-0.232 χ^2/NDF: 1743539.1/18

All: 944.648+/-0.165 χ^2/NDF: 3646506.6/38

- sign 940.614+/-0.234 χ^2/NDF: 1902378.9/19

cor_asym_usl_mean vs Slug



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

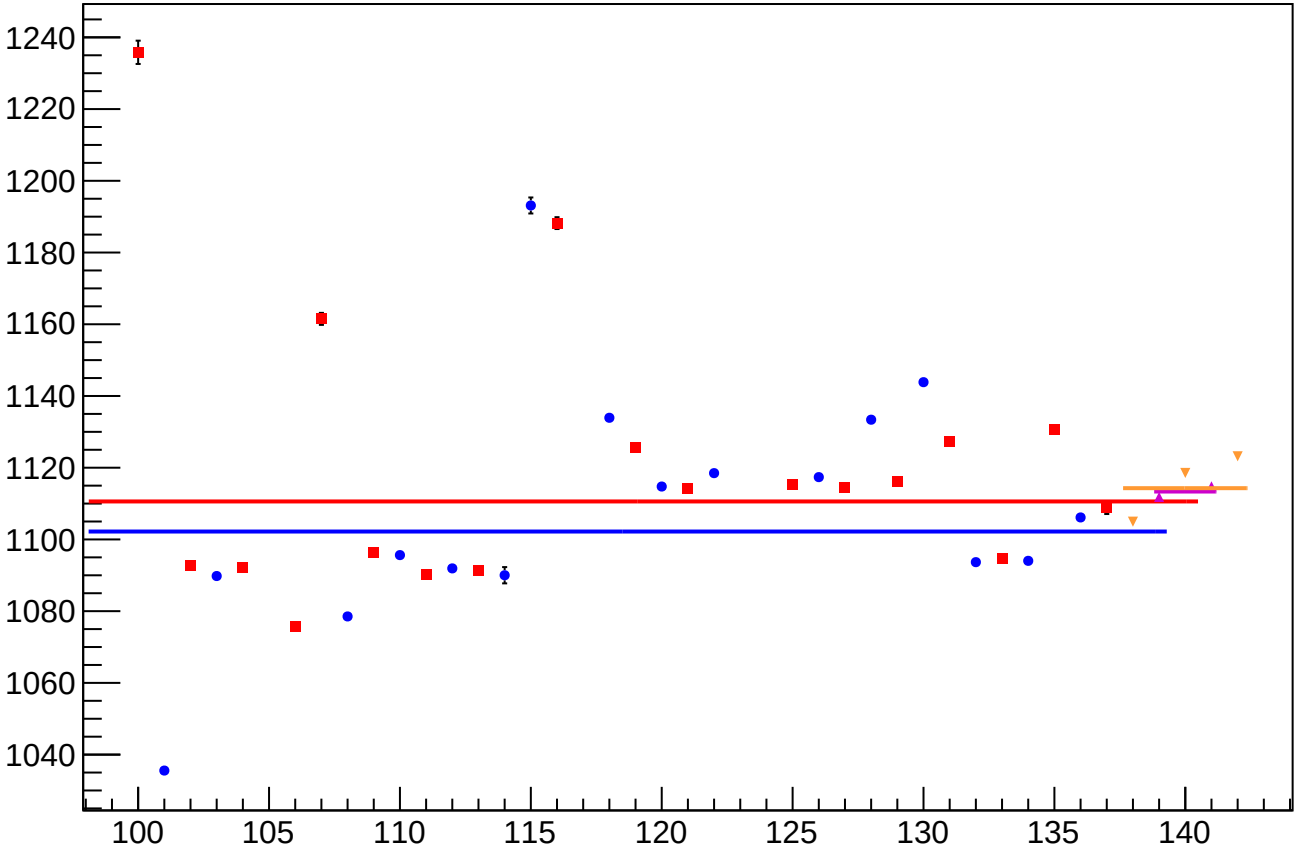
Left In: -1143.738+/-846.169 χ^2/NDF:0.1/1

+ sign 1840.067+/-362.129 χ^2/NDF: 5.6/18

All: 12.623+/-258.260 χ^2/NDF: 71.0/38

- sign -1878.880+/-368.421 χ^2/NDF: 13.6/19

cor_asym_usl_rms vs Slug



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

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

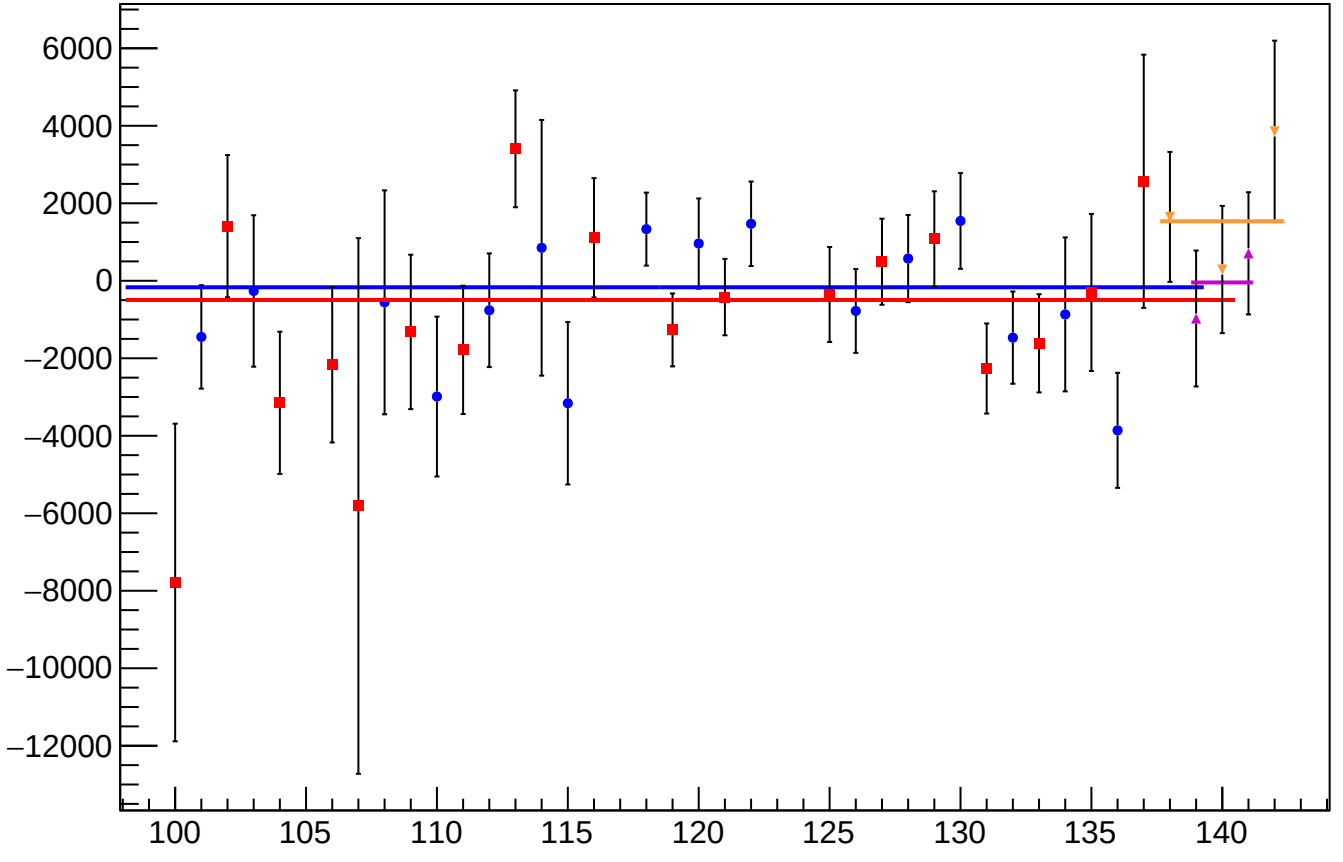
Left In: 1113.359+/-0.598 χ^2/NDF:6.2/1

+ sign 1104.841+/-0.256 χ^2/NDF: 11920.1/18

All: 1107.925+/-0.183 χ^2/NDF: 19934.7/38

- sign 1111.116+/-0.261 χ^2/NDF: 7719.5/19

asym_usl_cor_correction_mean vs Slug



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

Left Out: 1536.724+/-1048.639 χ^2/NDF:1.6/2

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

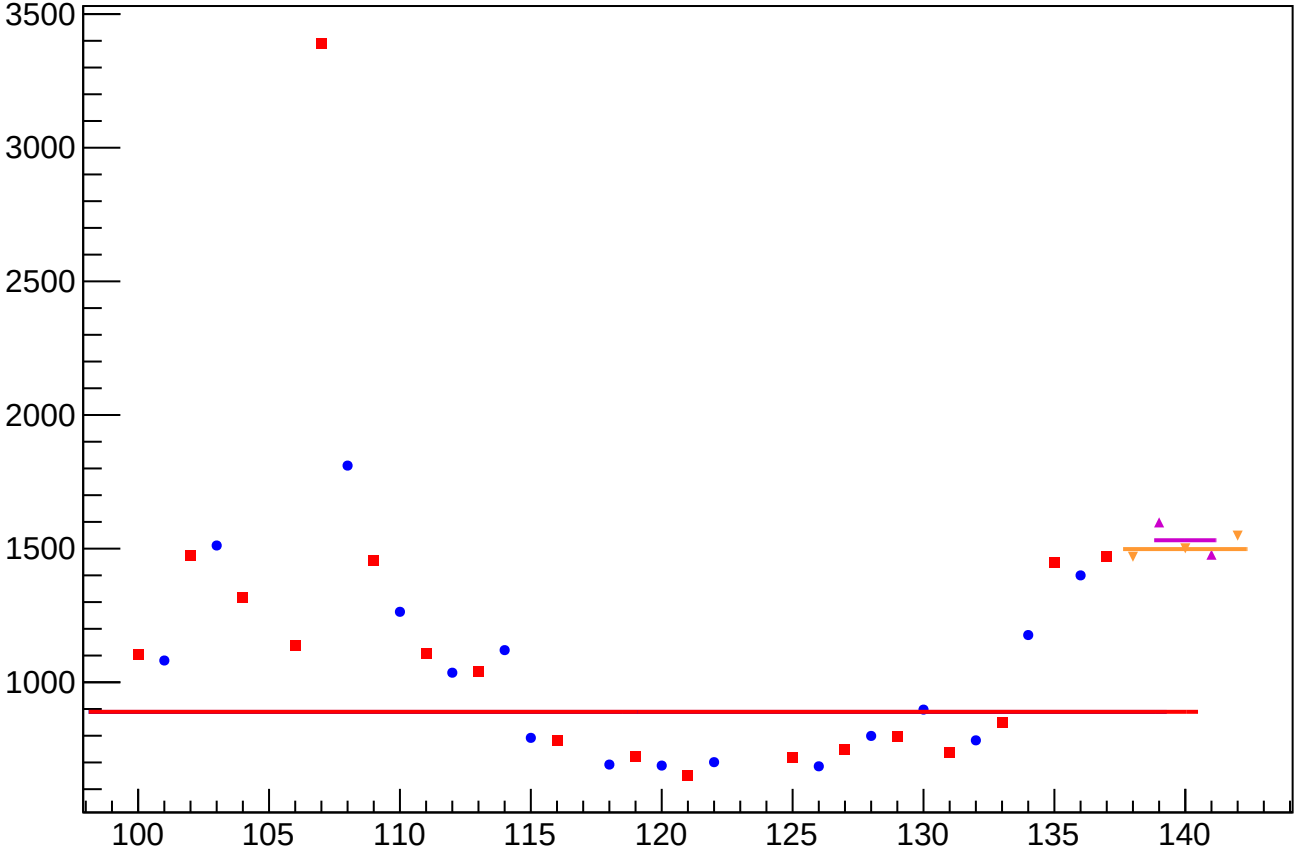
Left In: -43.728+/-1172.799 χ^2/NDF:0.5/1

+ sign -1.020+/-328.098 χ^2/NDF: 25.0/18

All: -228.079+/-233.028 χ^2/NDF: 49.9/38

- sign -459.207+/-331.024 χ^2/NDF: 23.9/19

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1498.329+/-0.741 χ^2/NDF:1512.2/2

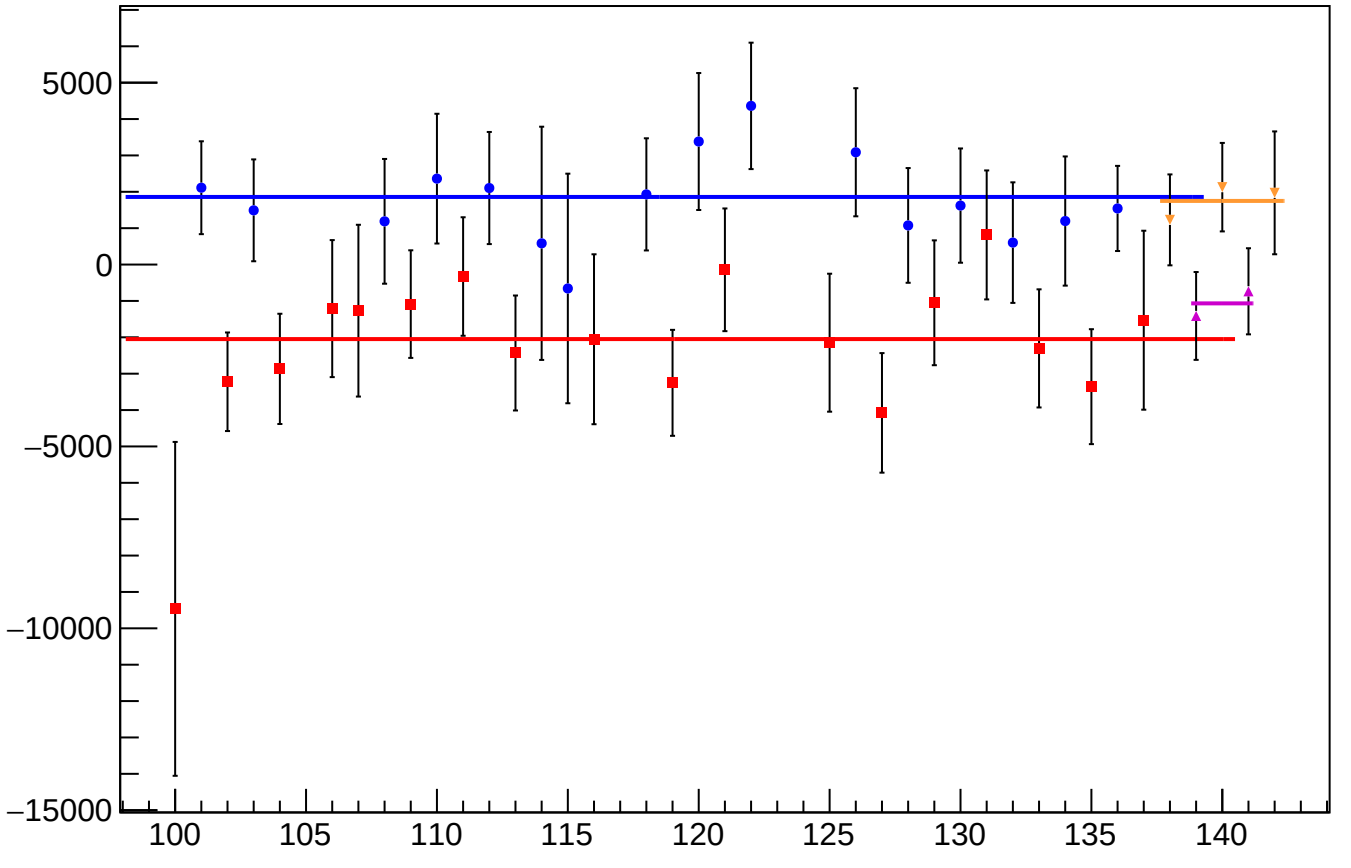
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1531.365+/-0.829 χ^2/NDF:5255.6/1

+ sign 948.610+/-0.232 χ^2/NDF: 1743539.1/18

All: 944.648+/-0.165 χ^2/NDF: 3646506.6/38

- sign 940.614+/-0.234 χ^2/NDF: 1902378.9/19



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

Left Out: 1749.309+/-774.576 χ^2/NDF:0.3/2

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

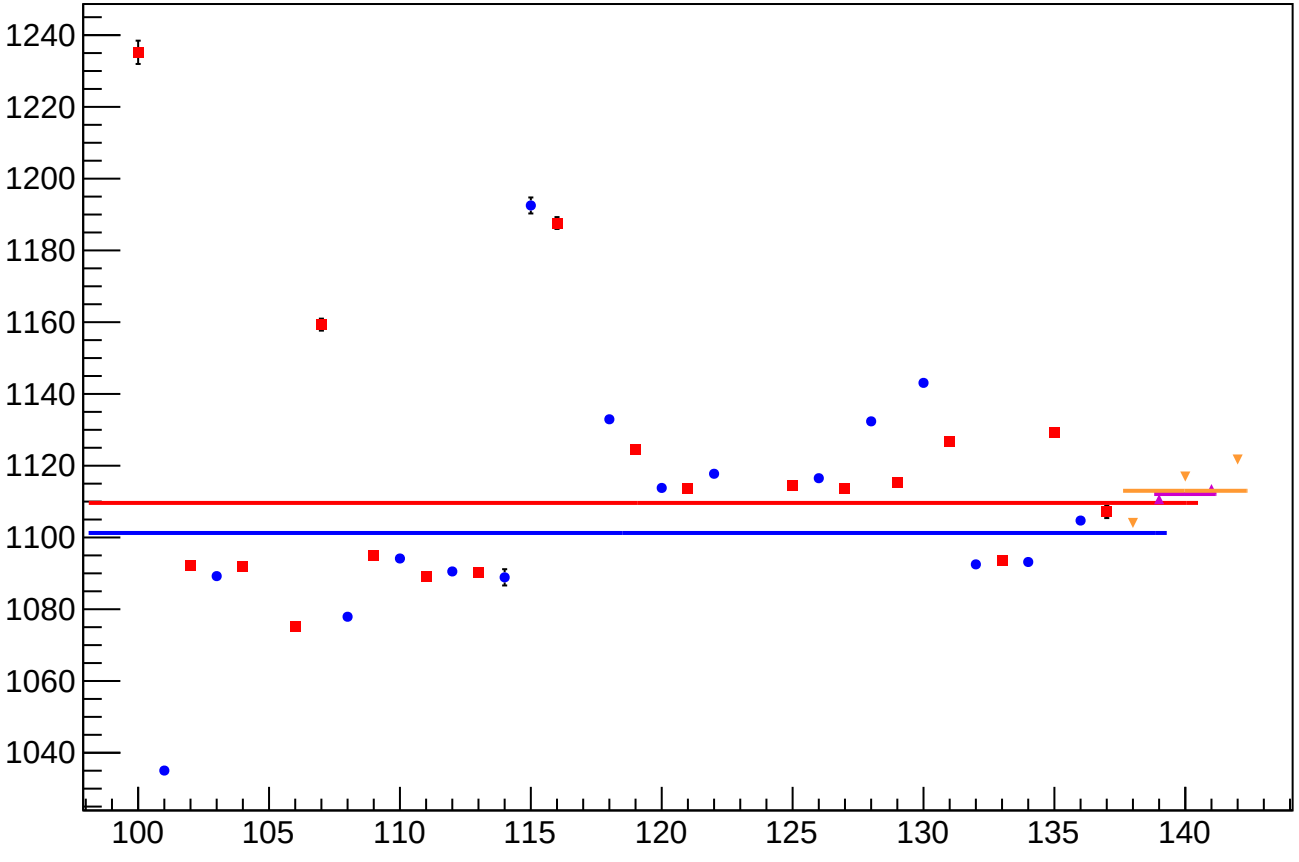
Left In: -1067.131+/-845.217 χ^2/NDF:0.2/1

+ sign 1834.821+/-361.793 χ^2/NDF: 5.7/18

All: 18.011+/-258.022 χ^2/NDF: 71.1/38

- sign -1862.523+/-368.083 χ^2/NDF: 14.0/19

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1113.010+/-0.548 χ^2/NDF:177.3/2

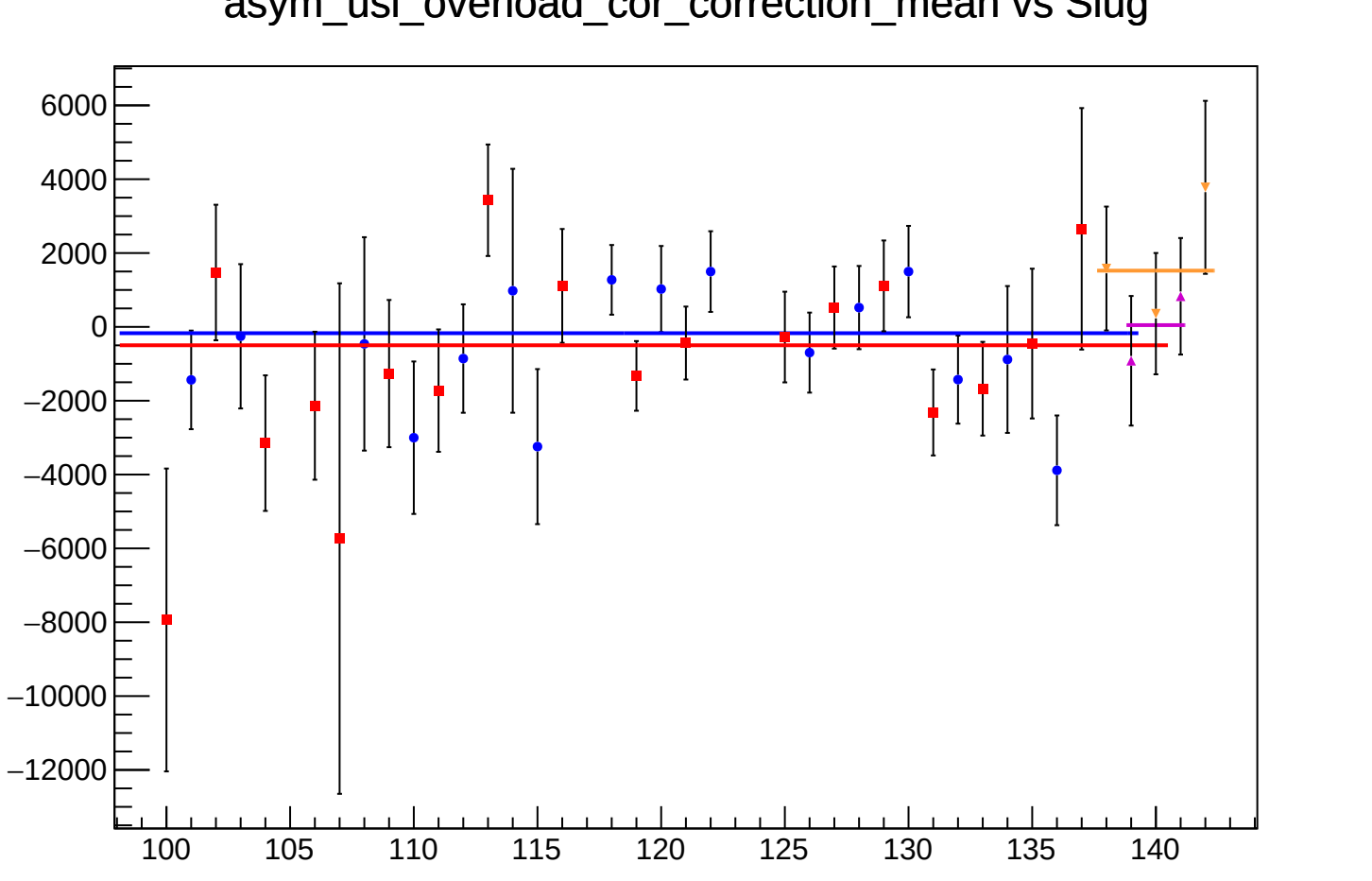
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1112.109+/-0.598 χ^2/NDF:5.6/1

+ sign 1103.819+/-0.256 χ^2/NDF: 11845.7/18

All: 1106.905+/-0.182 χ^2/NDF: 19834.4/38

- sign 1110.099+/-0.260 χ^2/NDF: 7692.6/19



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

Left Out: 1523.187+/-1049.319 χ^2/NDF:1.4/2

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

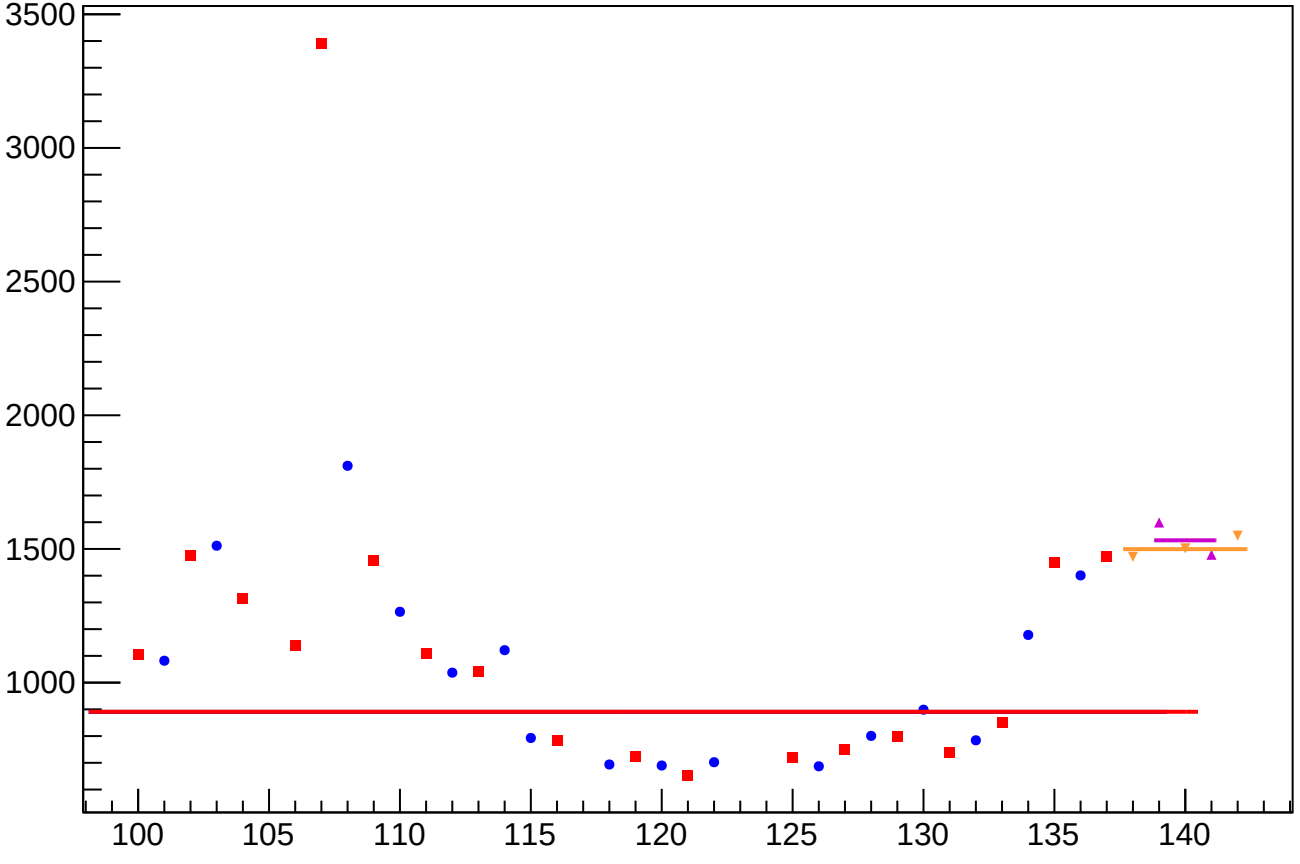
Left In: 47.613+/-1173.493 χ^2/NDF:0.5/1

+ sign -4.814+/-328.580 χ^2/NDF: 24.7/18

All: -227.635+/-233.364 χ^2/NDF: 50.3/38

- sign -454.422+/-331.491 χ^2/NDF: 24.7/19

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1499.319+/-0.742 χ^2/NDF:1520.9/2

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

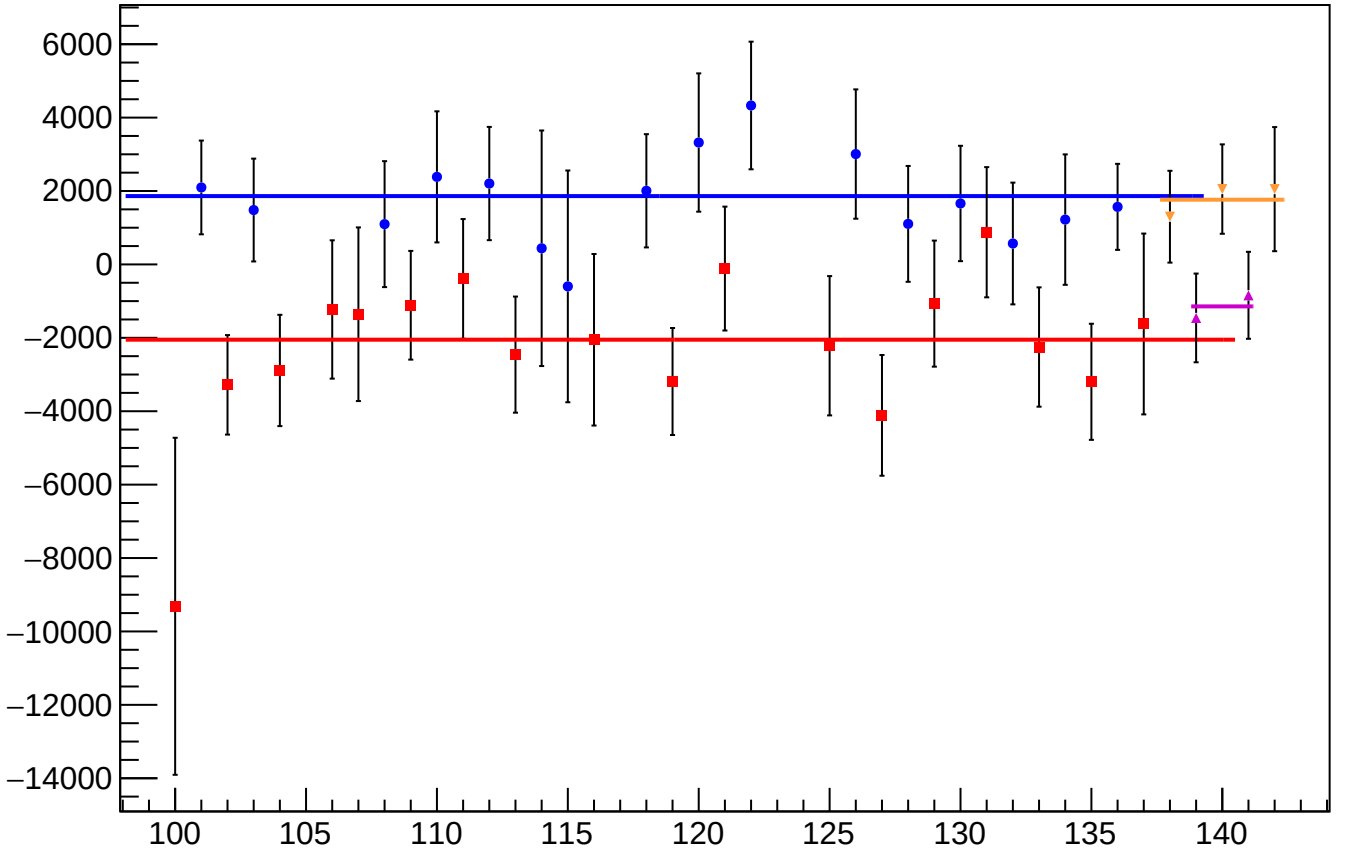
Left In: 1532.289+/-0.830 χ^2/NDF:5221.3/1

+ sign 950.193+/-0.232 χ^2/NDF: 1737527.0/18

All: 946.190+/-0.165 χ^2/NDF: 3634874.3/38

- sign 942.116+/-0.234 χ^2/NDF: 1896748.4/19

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

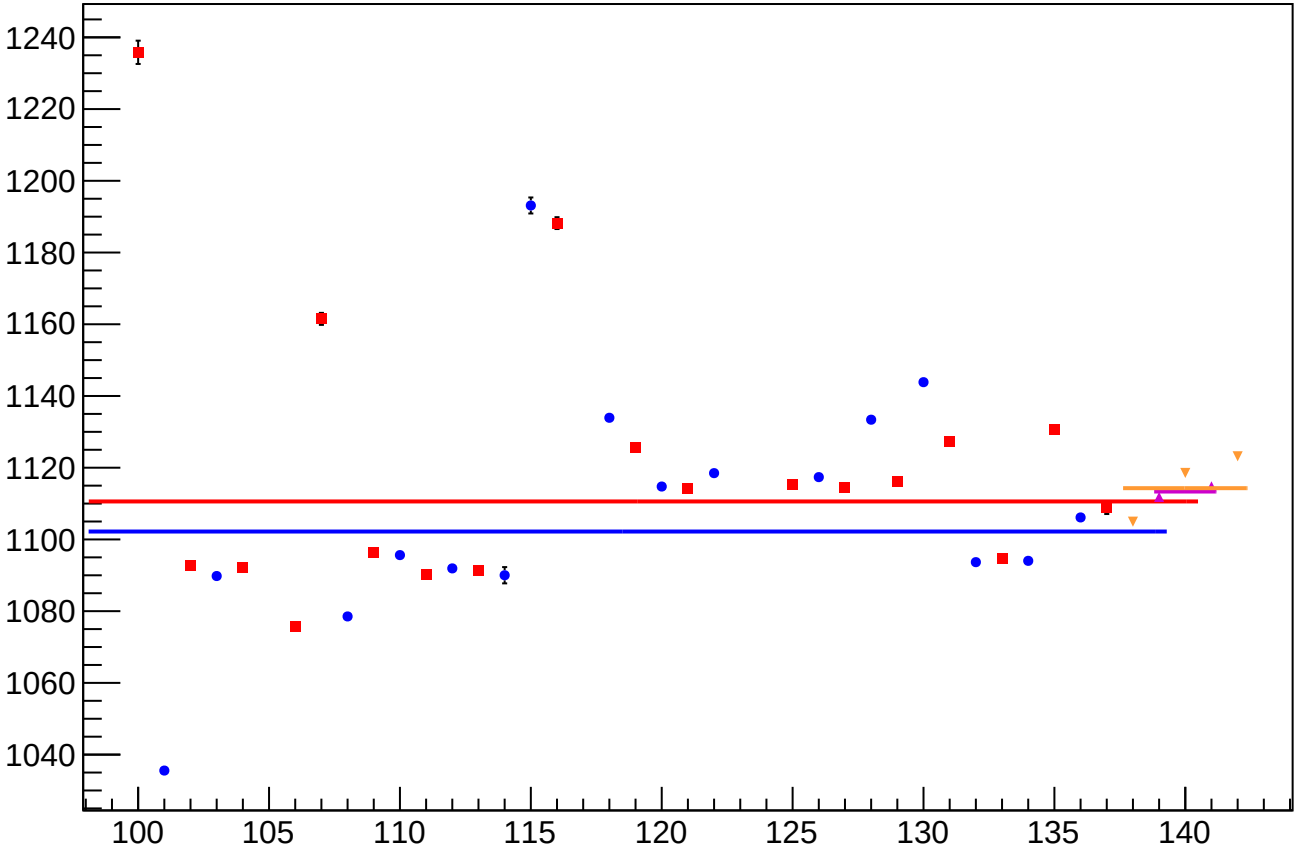
Left In: -1143.738+/-846.169 χ^2/NDF:0.1/1

+ sign 1840.067+/-362.129 χ^2/NDF: 5.6/18

All: 12.623+/-258.260 χ^2/NDF: 71.0/38

- sign -1878.880+/-368.421 χ^2/NDF: 13.6/19

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

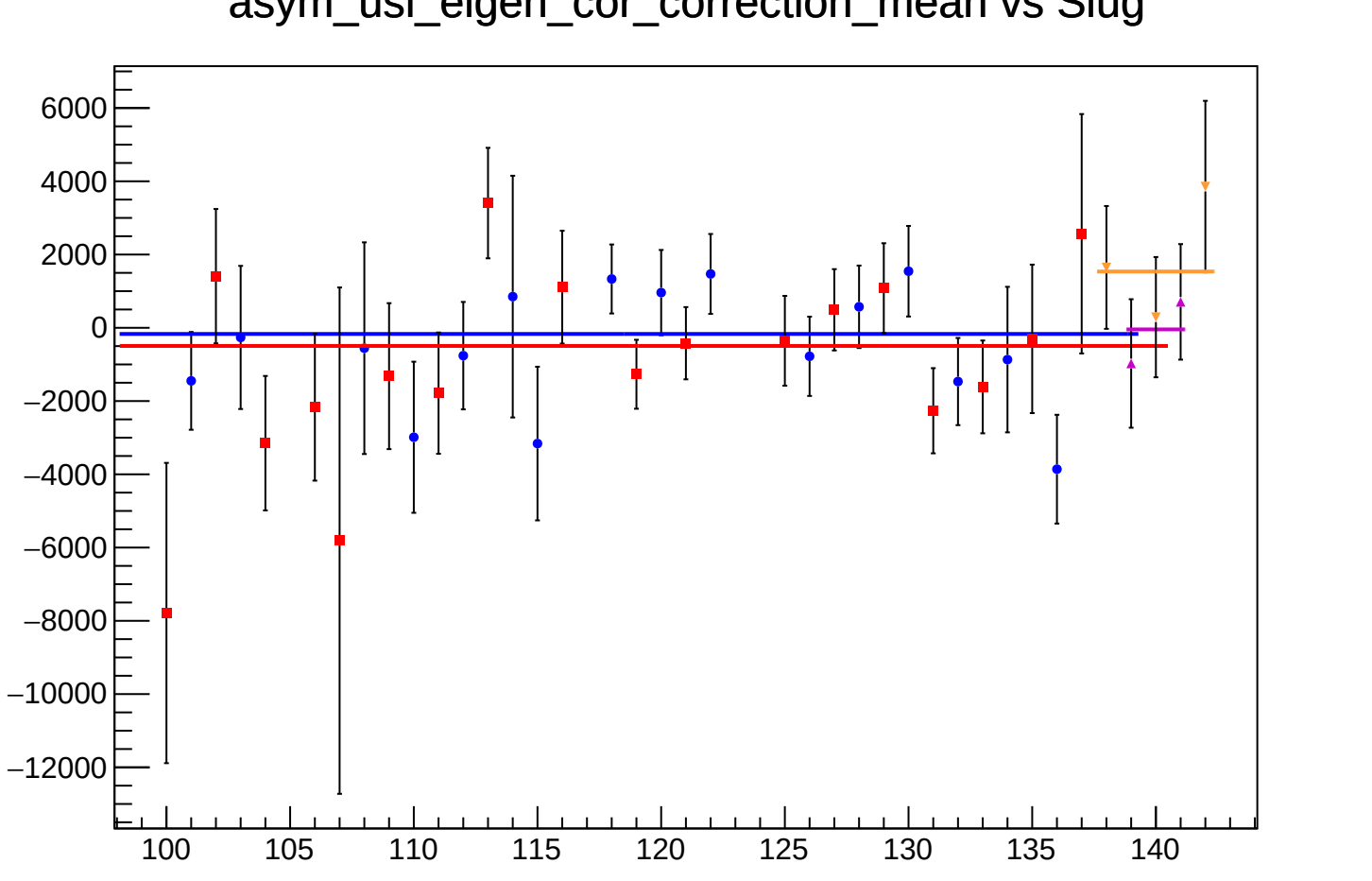
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1113.359+/-0.598 χ^2/NDF:6.2/1

+ sign 1104.841+/-0.256 χ^2/NDF: 11920.1/18

All: 1107.925+/-0.183 χ^2/NDF: 19934.7/38

- sign 1111.116+/-0.261 χ^2/NDF: 7719.5/19



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

Left Out: 1536.724+/-1048.639 χ^2/NDF:1.6/2

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

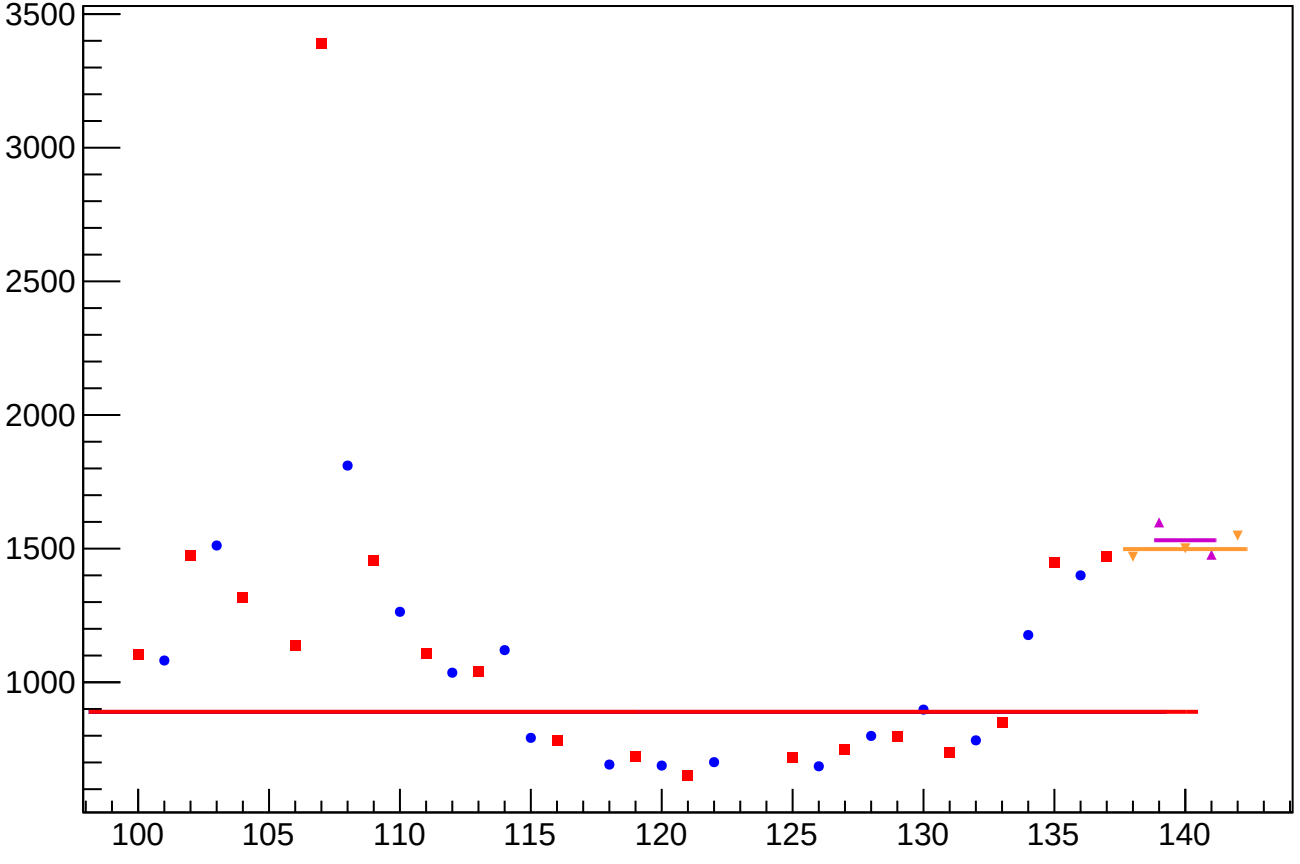
Left In: -43.728+/-1172.799 χ^2/NDF:0.5/1

\+ sign -1.020+/-328.098 χ^2/NDF: 25.0/18

All: -228.079+/-233.028 χ^2/NDF: 49.9/38

\- sign -459.207+/-331.024 χ^2/NDF: 23.9/19

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1498.329+/-0.741 χ^2/NDF:1512.2/2

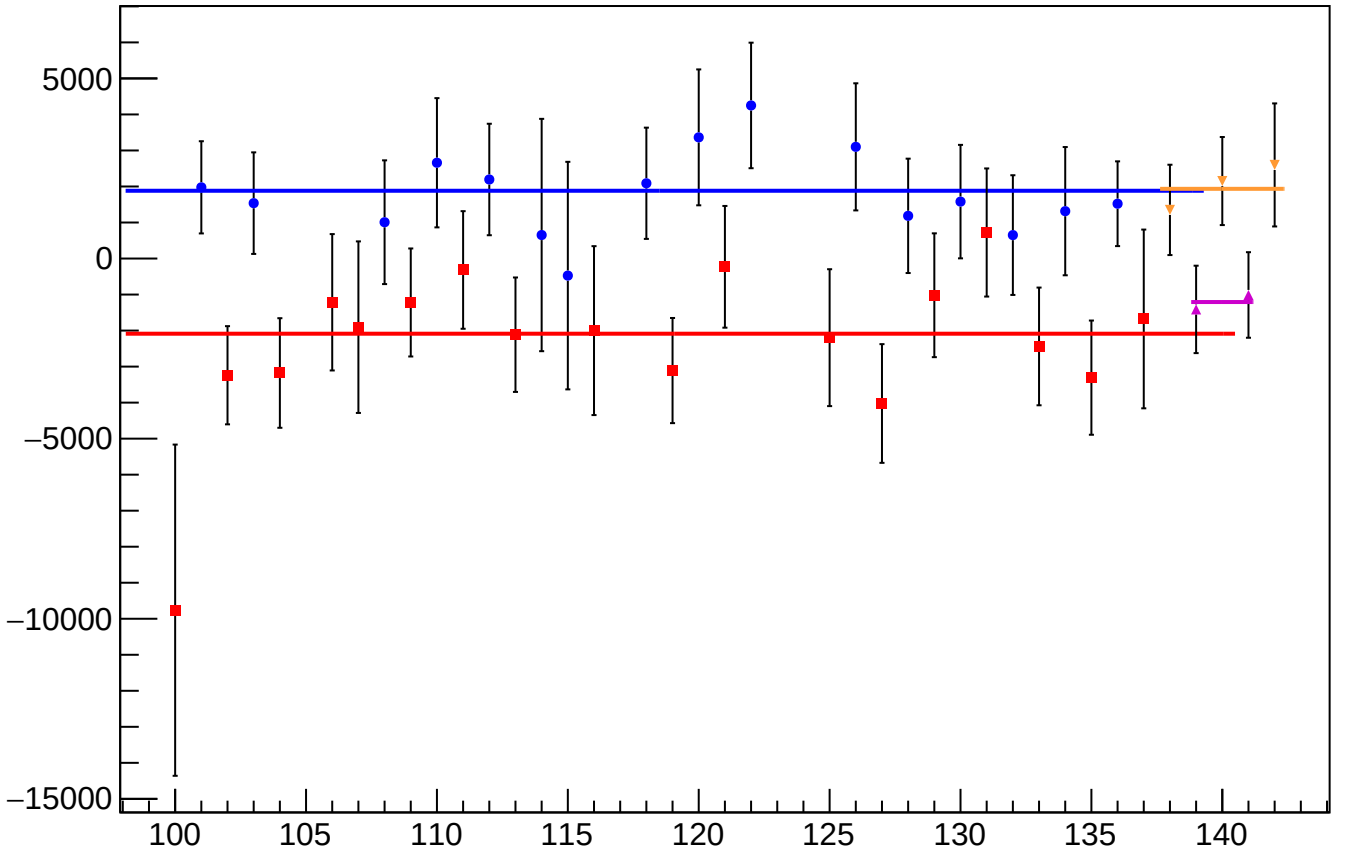
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1531.365+/-0.829 χ^2/NDF:5255.6/1

+ sign 948.610+/-0.232 χ^2/NDF: 1743539.1/18

All: 944.648+/-0.165 χ^2/NDF: 3646506.6/38

- sign 940.614+/-0.234 χ^2/NDF: 1902378.9/19



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

Left Out: 1935.130+/-778.886 χ^2/NDF:0.4/2

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

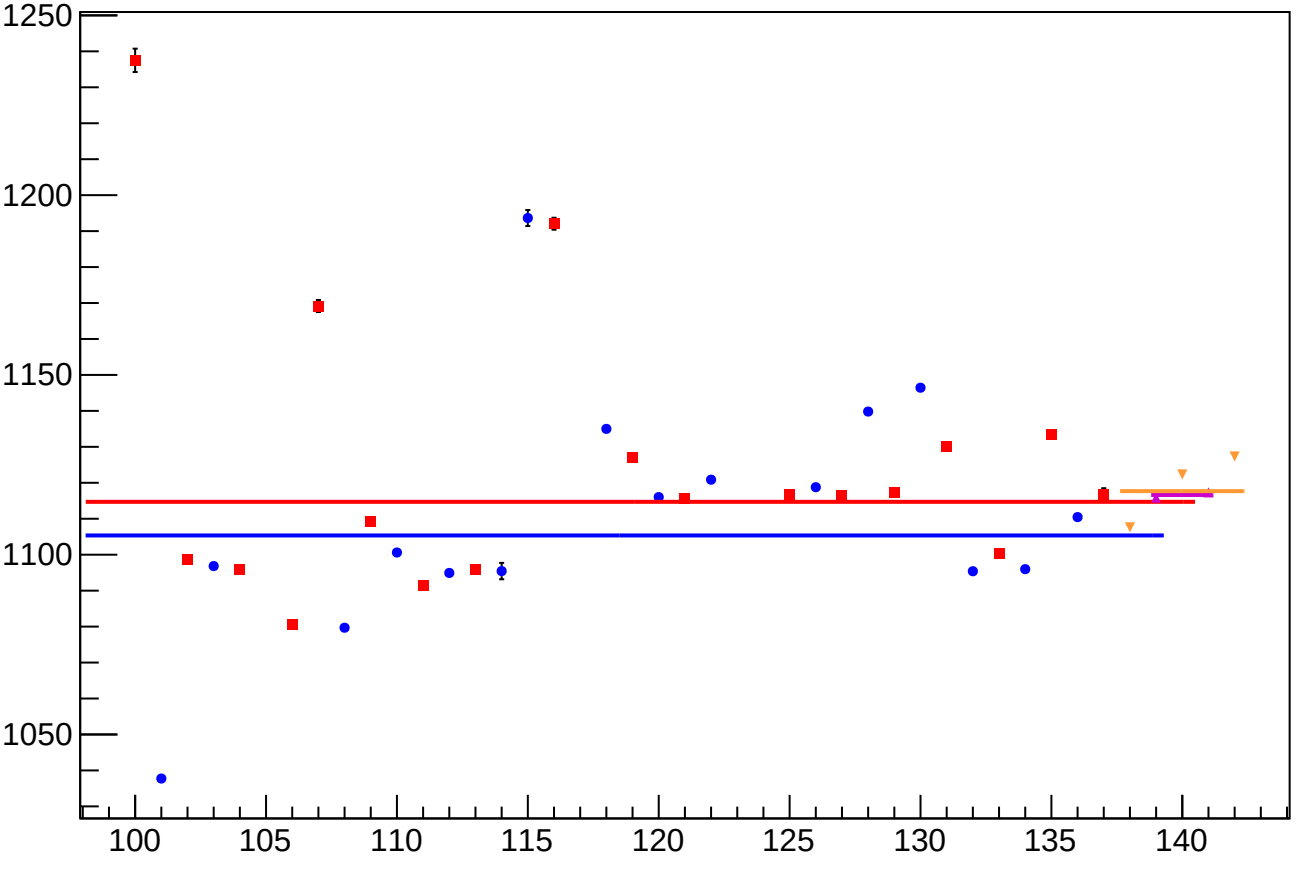
Left In: -1207.573+/-848.745 χ^2/NDF:0.1/1

+ sign 1893.186+/-363.290 χ^2/NDF: 5.6/18

All: 20.218+/-259.140 χ^2/NDF: 73.0/38

- sign -1920.002+/-369.755 χ^2/NDF: 13.3/19

dit_asym_usl_rms vs Slug



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

Left Out: 1117.683+/-0.551 χ^2/NDF:221.3/2

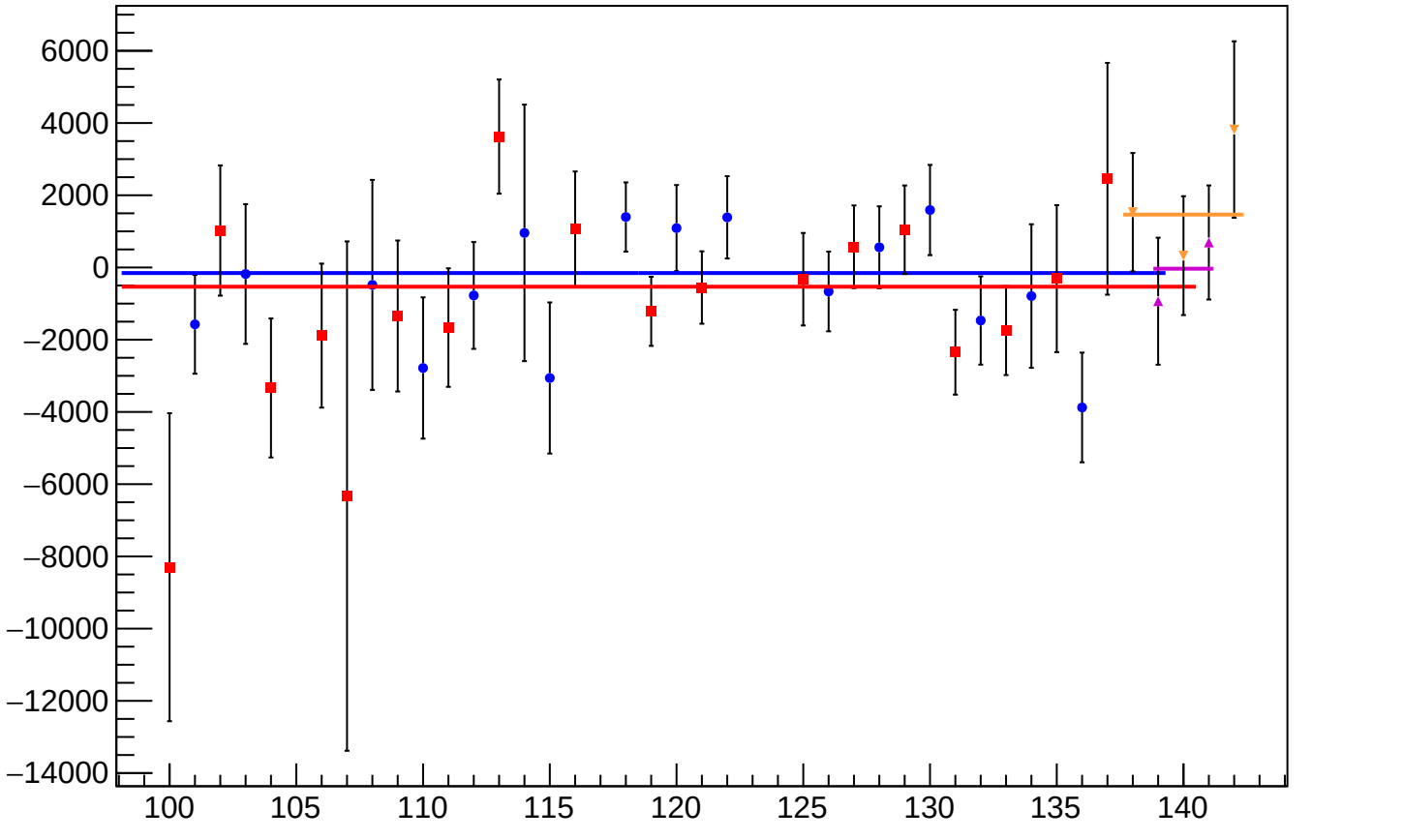
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1116.611+/-0.600 χ^2/NDF:1.5/1

+ sign 1108.037+/-0.257 χ^2/NDF: 11944.3/18

All: 1111.490+/-0.183 χ^2/NDF: 19652.0/38

- sign 1115.067+/-0.261 χ^2/NDF: 7340.0/19



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

Left Out: 1464.056+/-1048.887 χ^2/NDF:1.4/2

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

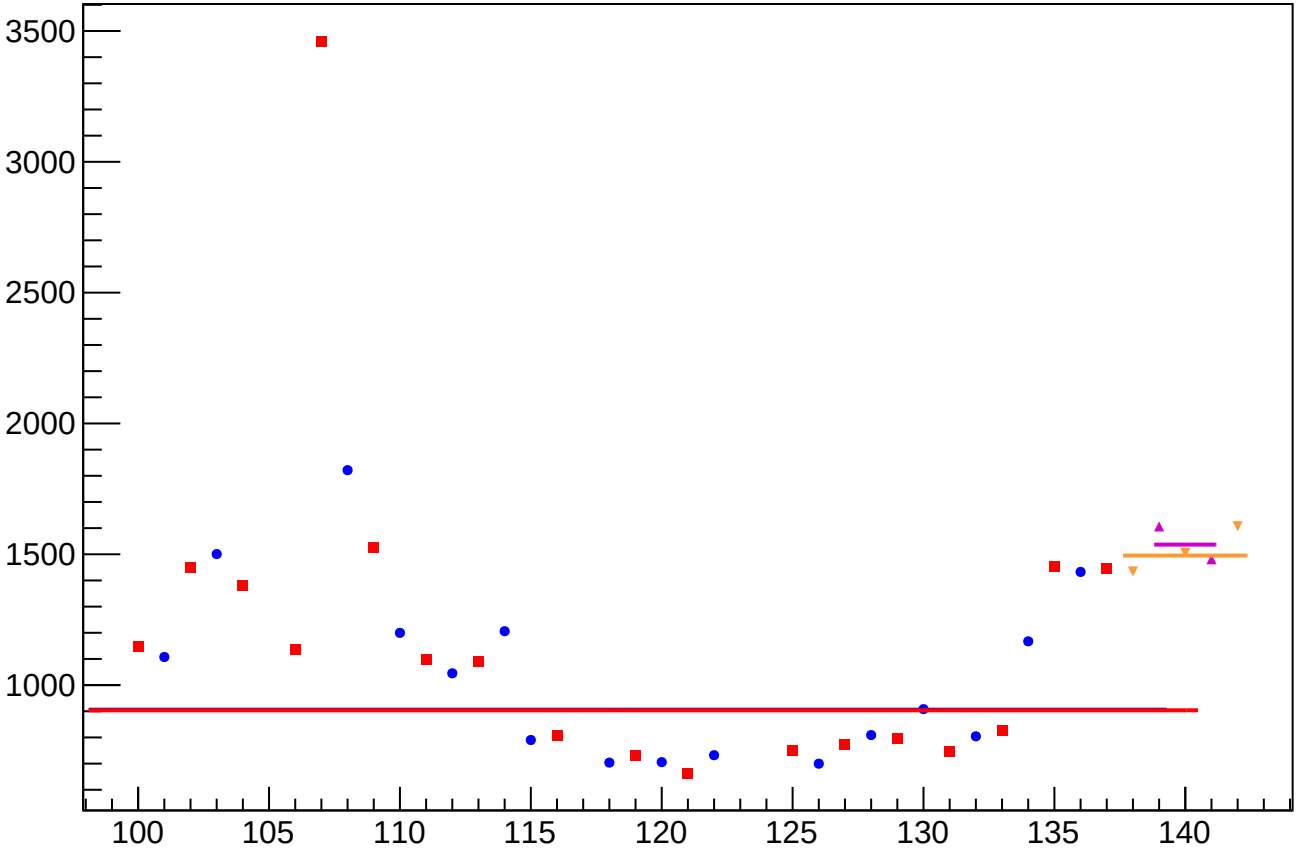
Left In: -33.574+/-1175.291 χ^2/NDF:0.5/1

+ sign 9.215+/-333.128 χ^2/NDF: 24.0/18

All: -239.120+/-236.496 χ^2/NDF: 49.0/38

- sign -491.454+/-335.800 χ^2/NDF: 23.9/19

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1495.181+/-0.742 χ^2/NDF:7034.2/2

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

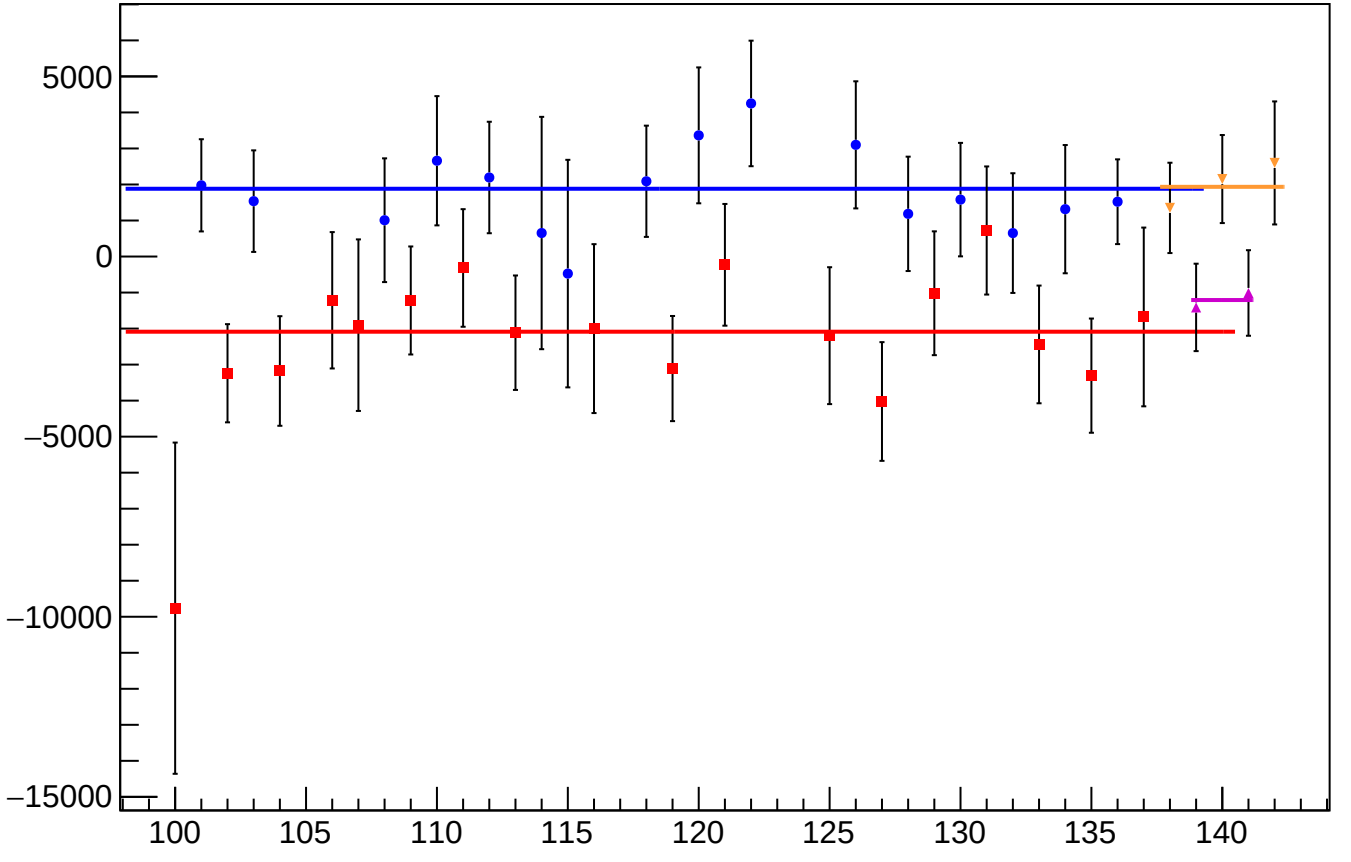
Left In: 1537.080+/-0.831 χ^2/NDF:5644.9/1

+ sign 965.463+/-0.236 χ^2/NDF: 1653804.9/18

All: 960.499+/-0.167 χ^2/NDF: 3533675.2/38

- sign 955.454+/-0.237 χ^2/NDF: 1878974.8/19

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1935.133+/-778.885 χ^2/NDF:0.4/2

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

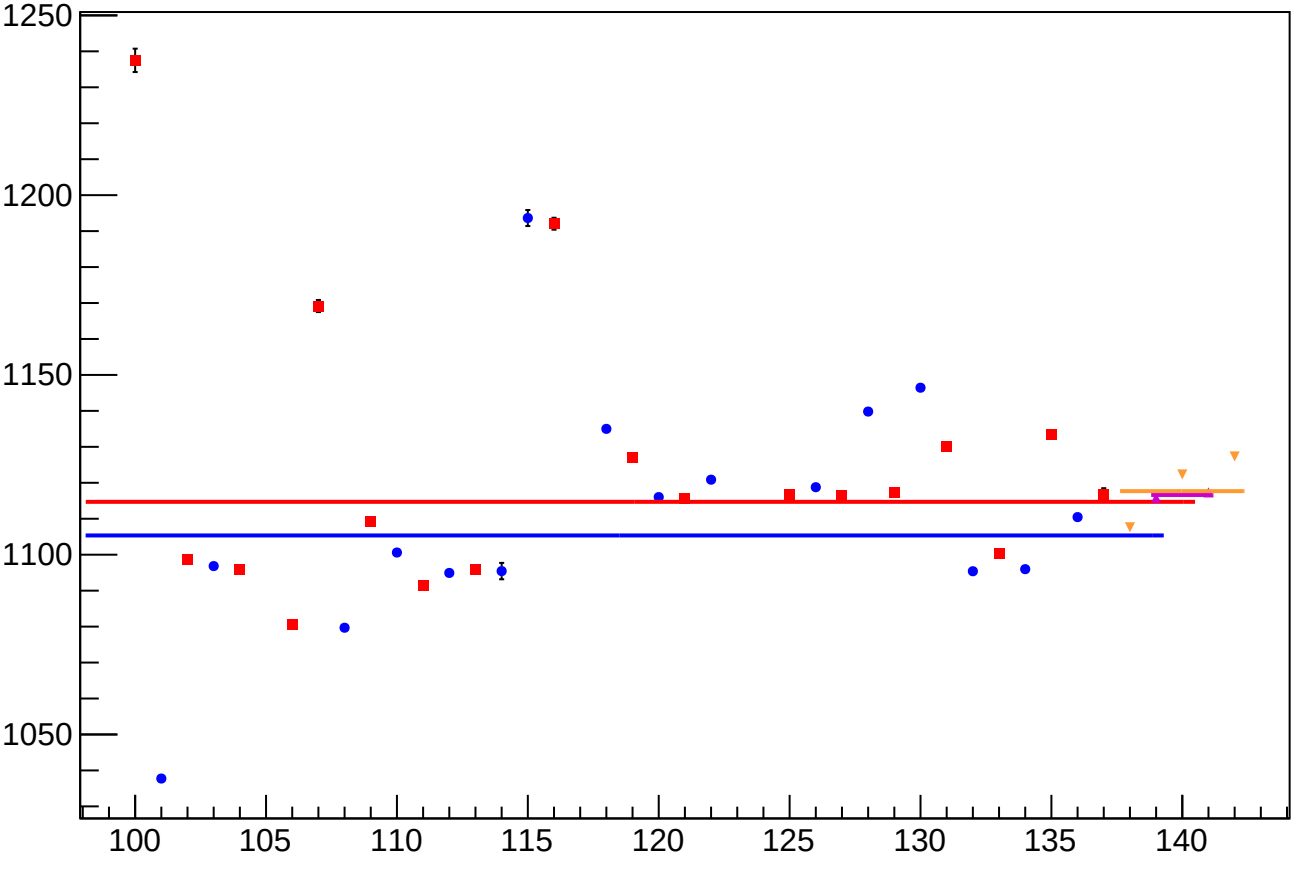
Left In: -1207.576+/-848.745 χ^2/NDF:0.1/1

+ sign 1893.186+/-363.290 χ^2/NDF: 5.6/18

All: 20.219+/-259.140 χ^2/NDF: 73.0/38

- sign -1920.000+/-369.755 χ^2/NDF: 13.3/19

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1117.683+/-0.551 χ^2/NDF:221.3/2

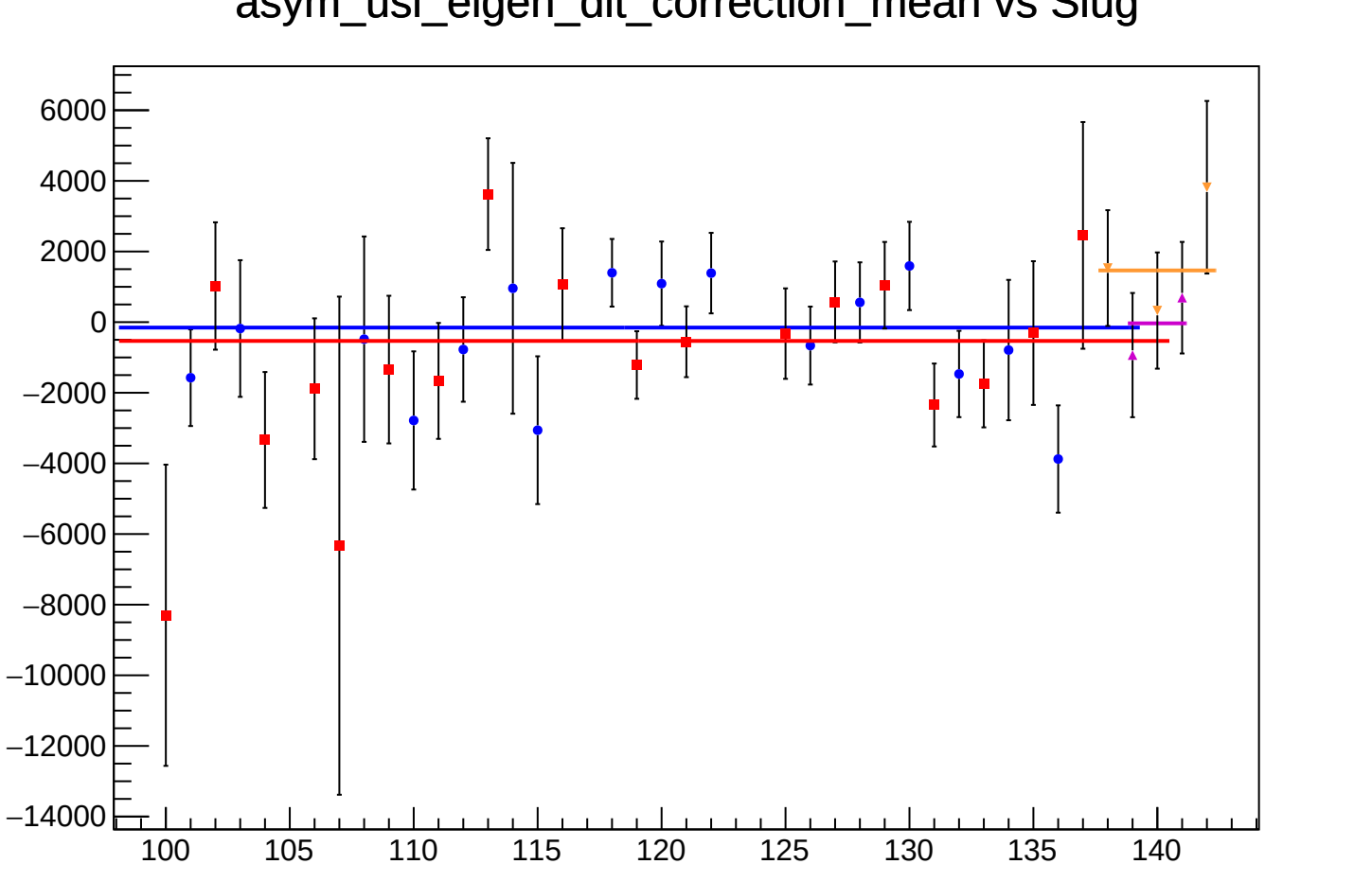
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1116.611+/-0.600 χ^2/NDF:1.5/1

+ sign 1108.037+/-0.257 χ^2/NDF: 11944.3/18

All: 1111.490+/-0.183 χ^2/NDF: 19652.0/38

- sign 1115.067+/-0.261 χ^2/NDF: 7339.9/19



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

Left Out: 1464.059+/-1048.888 χ^2/NDF:1.4/2

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

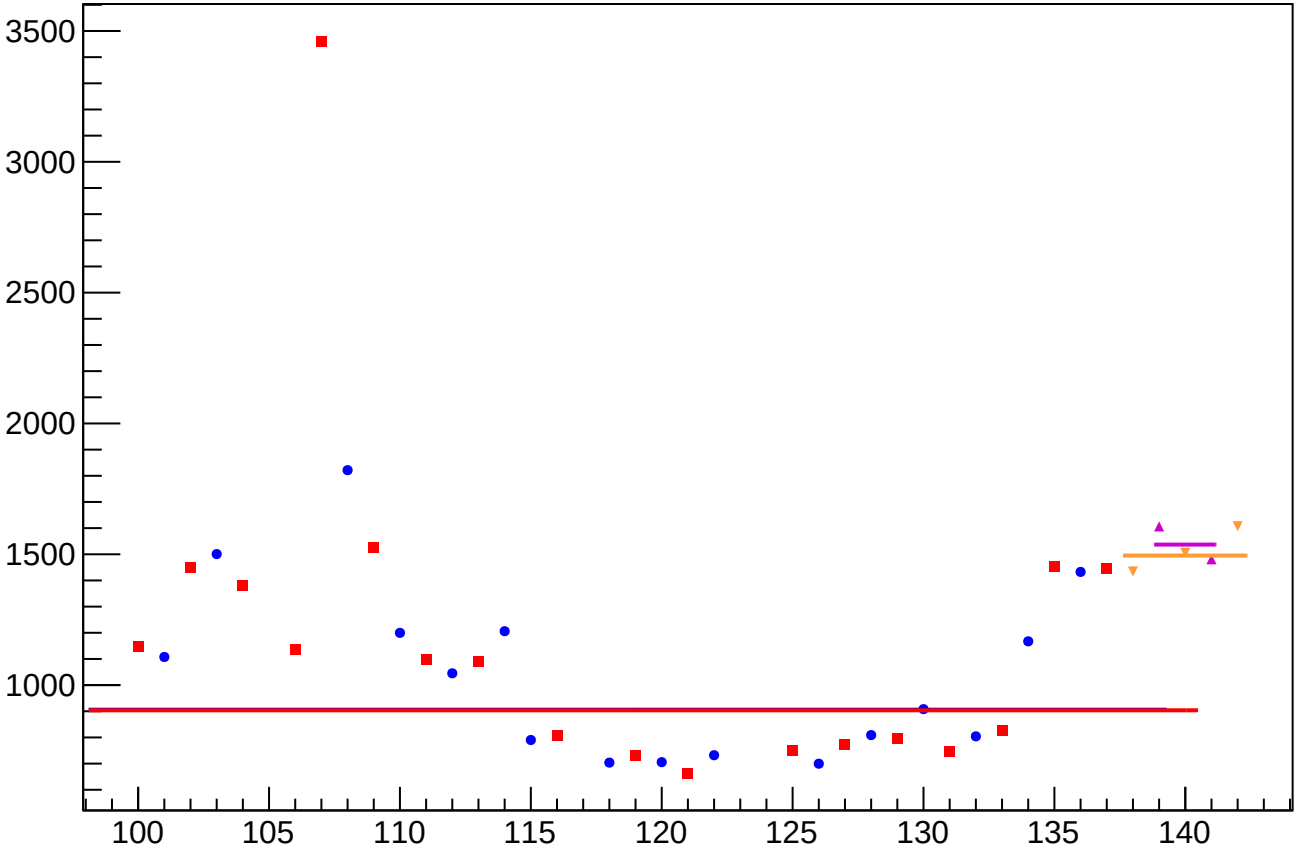
Left In: -33.577+/-1175.293 χ^2/NDF:0.5/1

+ sign 9.216+/-333.127 χ^2/NDF: 24.0/18

All: -239.119+/-236.496 χ^2/NDF: 49.0/38

- sign -491.454+/-335.799 χ^2/NDF: 23.9/19

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1495.183+/-0.742 χ^2/NDF:7034.0/2

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

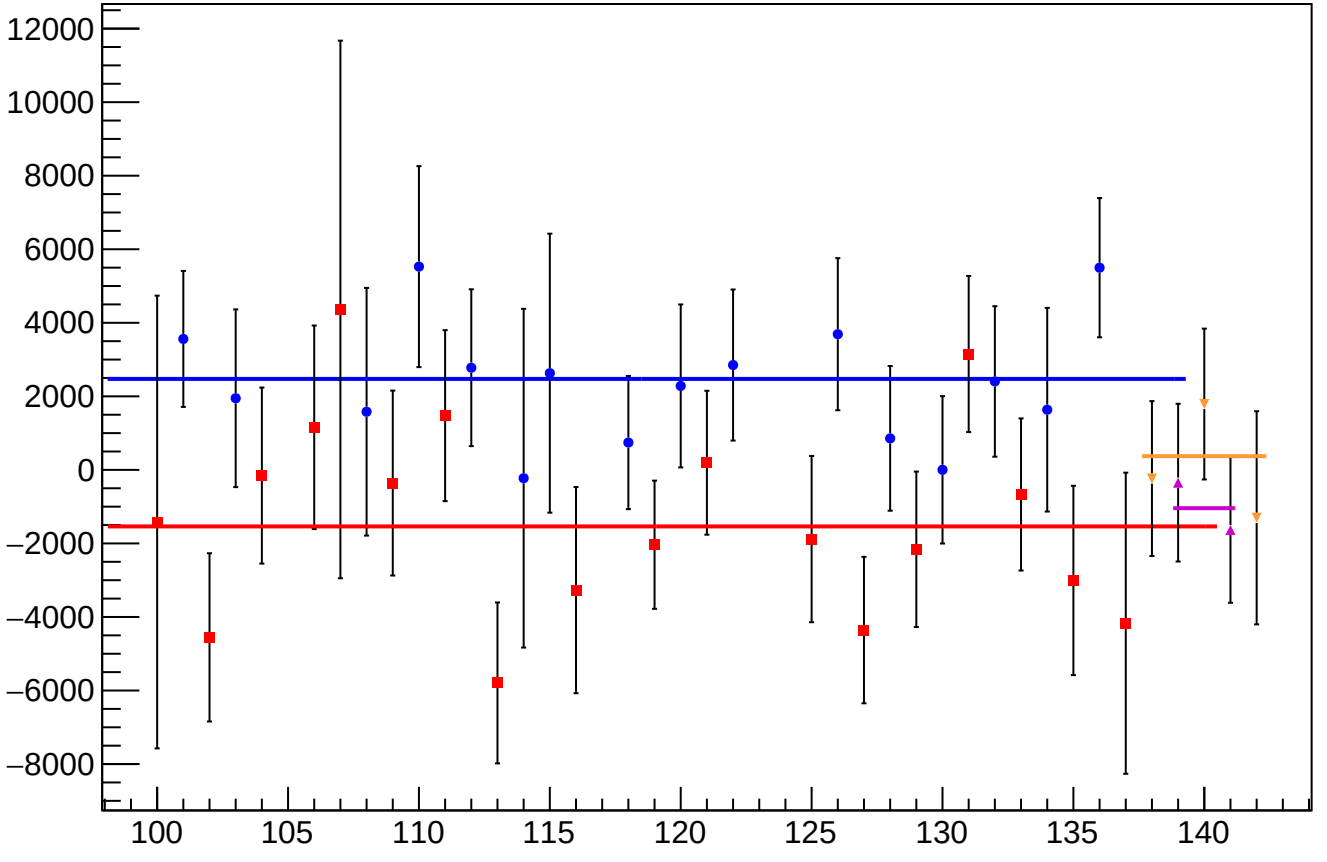
Left In: 1537.082+/-0.831 χ^2/NDF:5645.0/1

+ sign 965.461+/-0.236 χ^2/NDF: 1653815.8/18

All: 960.497+/-0.167 χ^2/NDF: 3533695.3/38

- sign 955.452+/-0.237 χ^2/NDF: 1878983.9/19

asym_usl_mean vs Slug



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

Left Out: 373.135+/-1310.631 χ^2/NDF:0.9/2

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

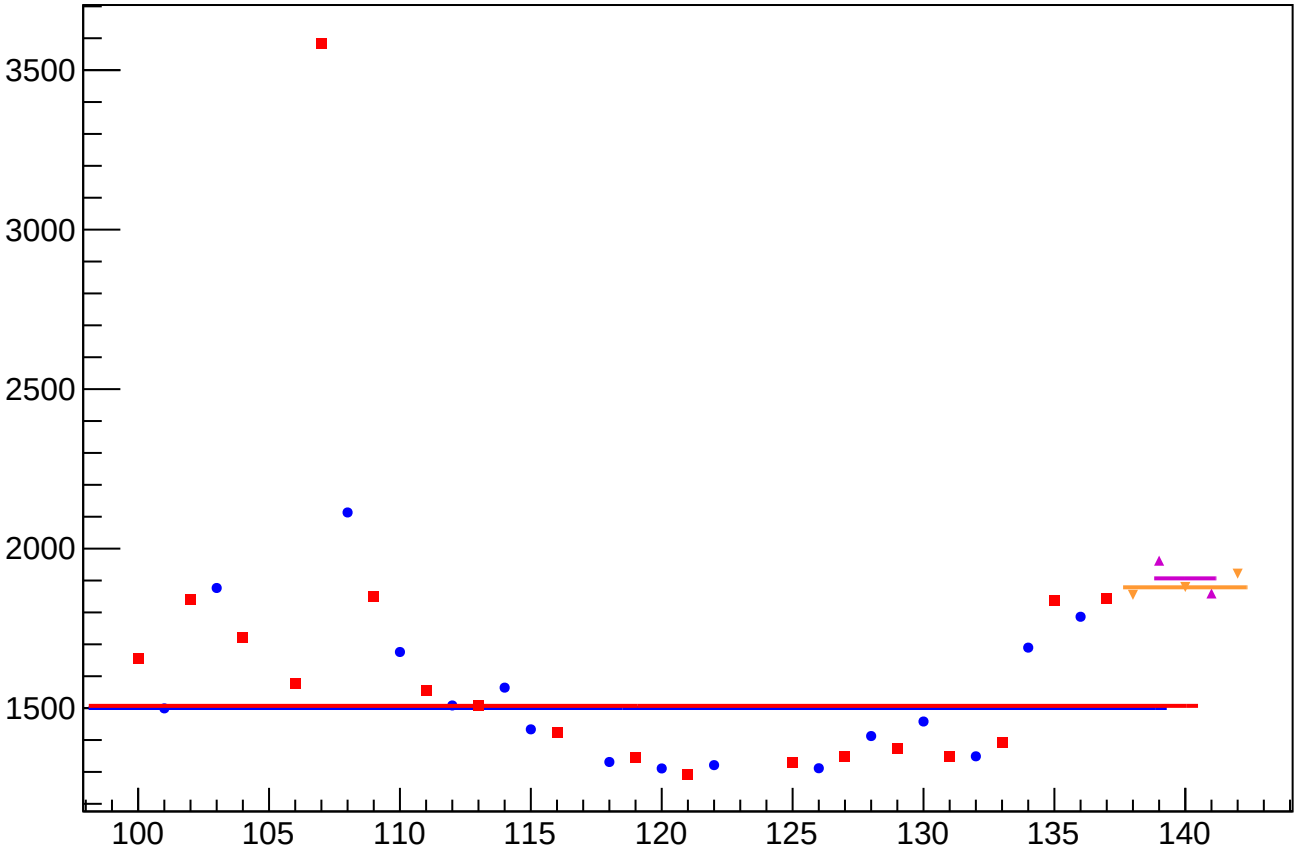
Left In: -1041.686+/-1454.860 χ^2/NDF:0.2/1

+ sign 2146.983+/-517.134 χ^2/NDF: 11.3/18

All: 366.183+/-368.594 χ^2/NDF: 54.2/38

- sign -1472.754+/-525.508 χ^2/NDF: 18.8/19

asym_usl_rms vs Slug



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

Left Out: 1878.721+/-0.927 χ^2/NDF:686.7/2

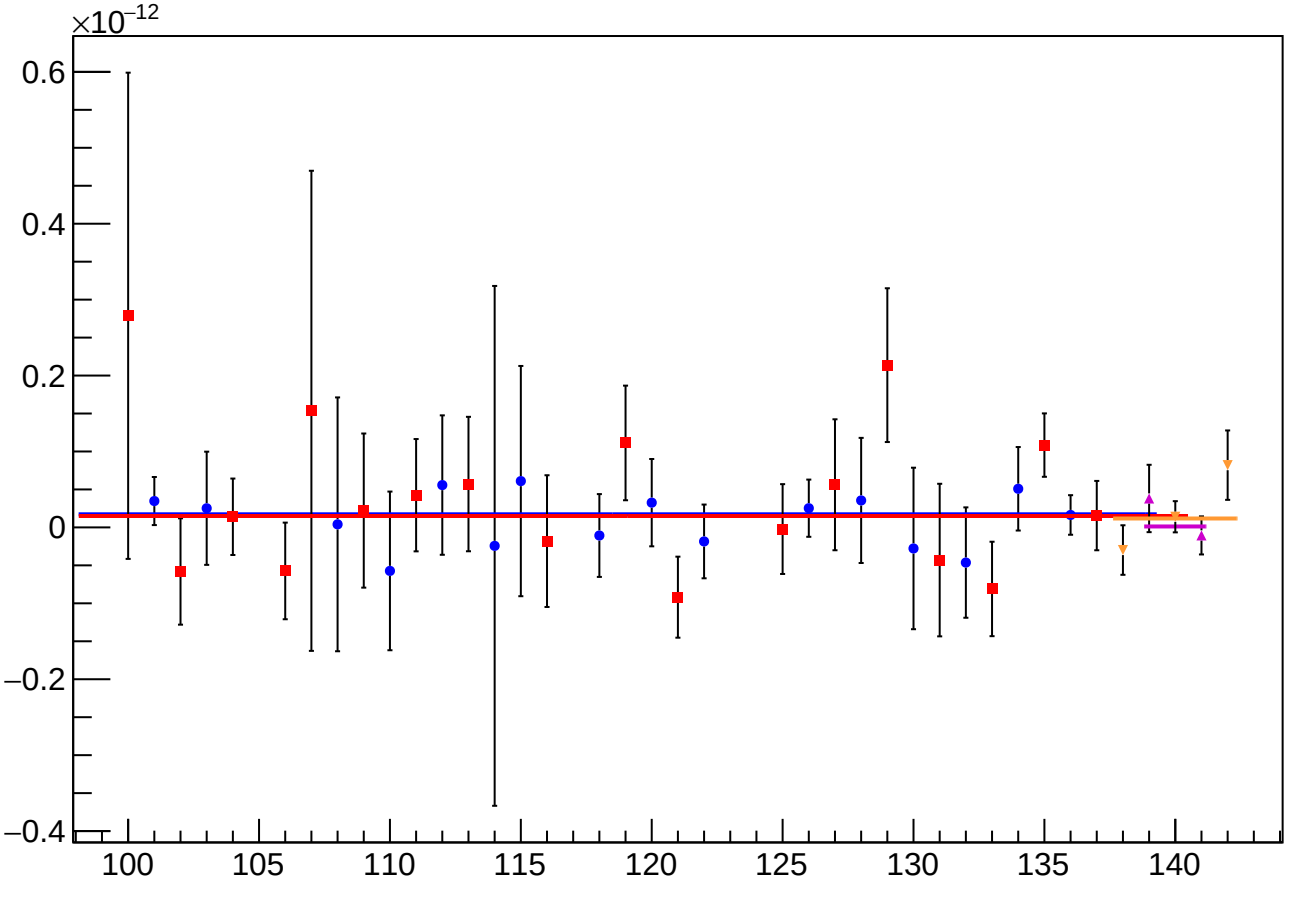
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1906.768+/-1.029 χ^2/NDF:2479.8/1

+ sign 1559.279+/-0.366 χ^2/NDF: 400196.9/18

All: 1559.262+/-0.261 χ^2/NDF: 935146.8/38

- sign 1559.243+/-0.372 χ^2/NDF: 534949.8/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/2

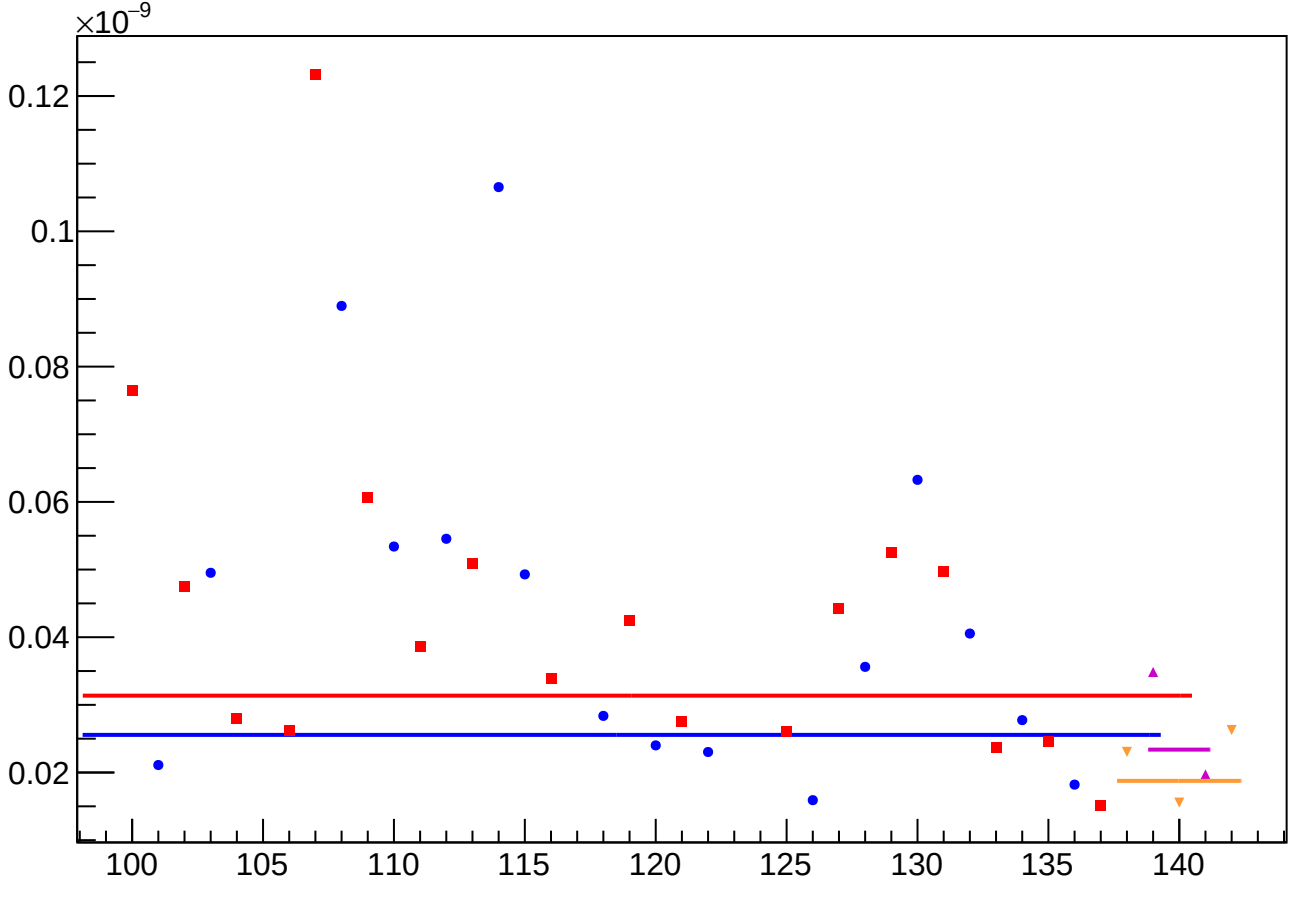
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 7.5/18

All: 0.000+/-0.000 χ^2/NDF: 30.0/38

- sign 0.000+/-0.000 χ^2/NDF: 22.5/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:137462.1/2

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

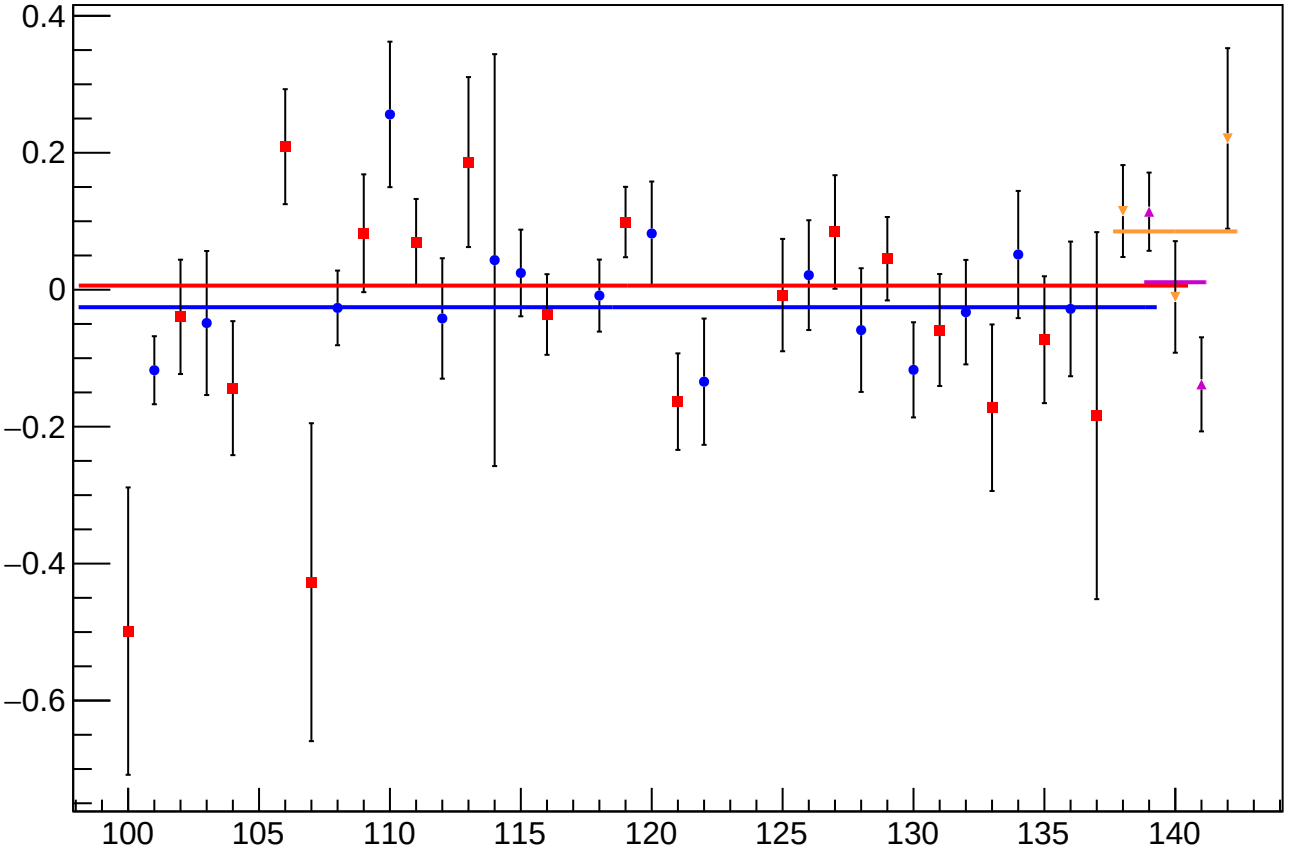
Left In: 0.000+/-0.000 χ^2/NDF:176686.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 2051905.8/18

All: 0.000+/-0.000 χ^2/NDF: 3871205.4/38

- sign 0.000+/-0.000 χ^2/NDF: 1577811.0/19

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

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

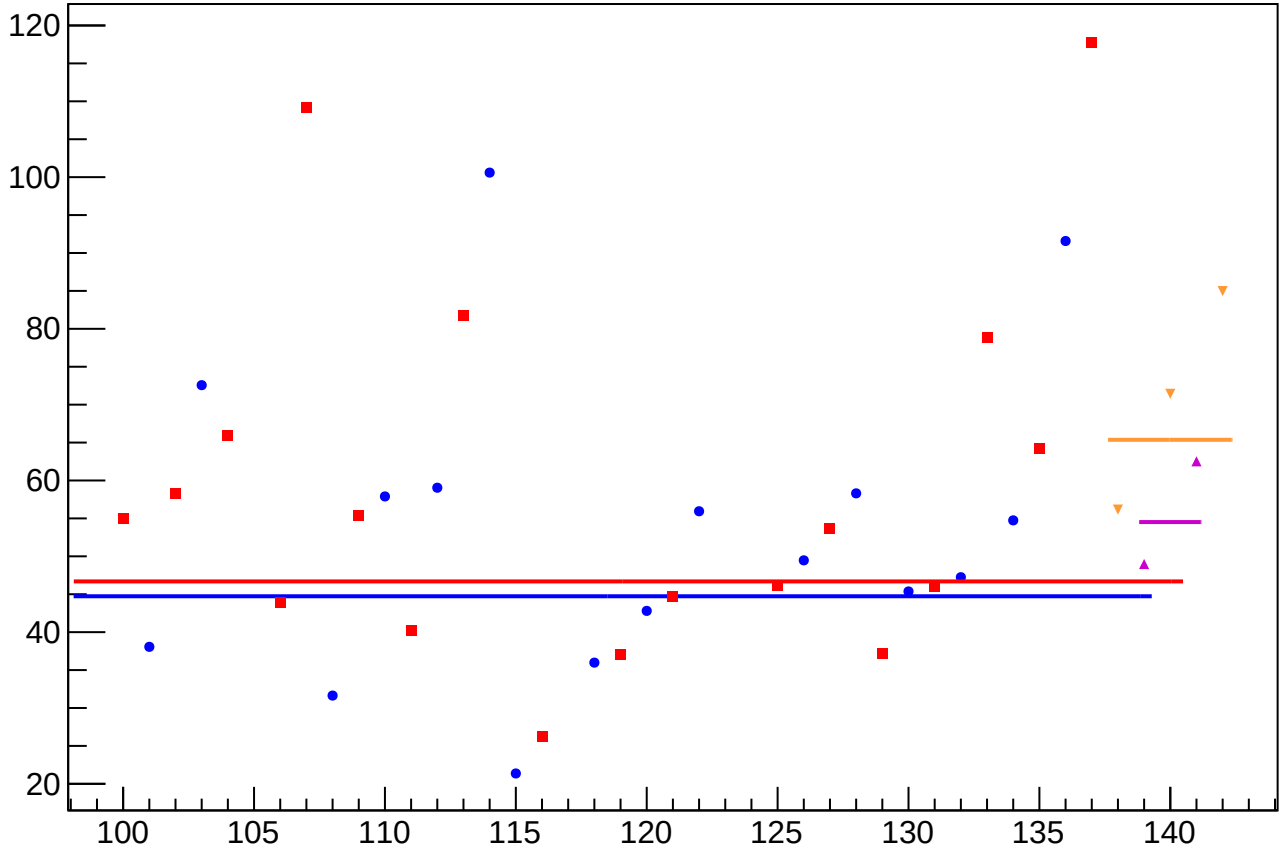
Left In: 0.011+/-0.044 χ^2/NDF:8.0/1

+ sign -0.011+/-0.017 χ^2/NDF: 24.8/18

All: -0.002+/-0.012 χ^2/NDF: 69.9/38

- sign 0.007+/-0.018 χ^2/NDF: 44.5/19

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 65.366+/-0.034 χ^2/NDF:92900.4/2

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

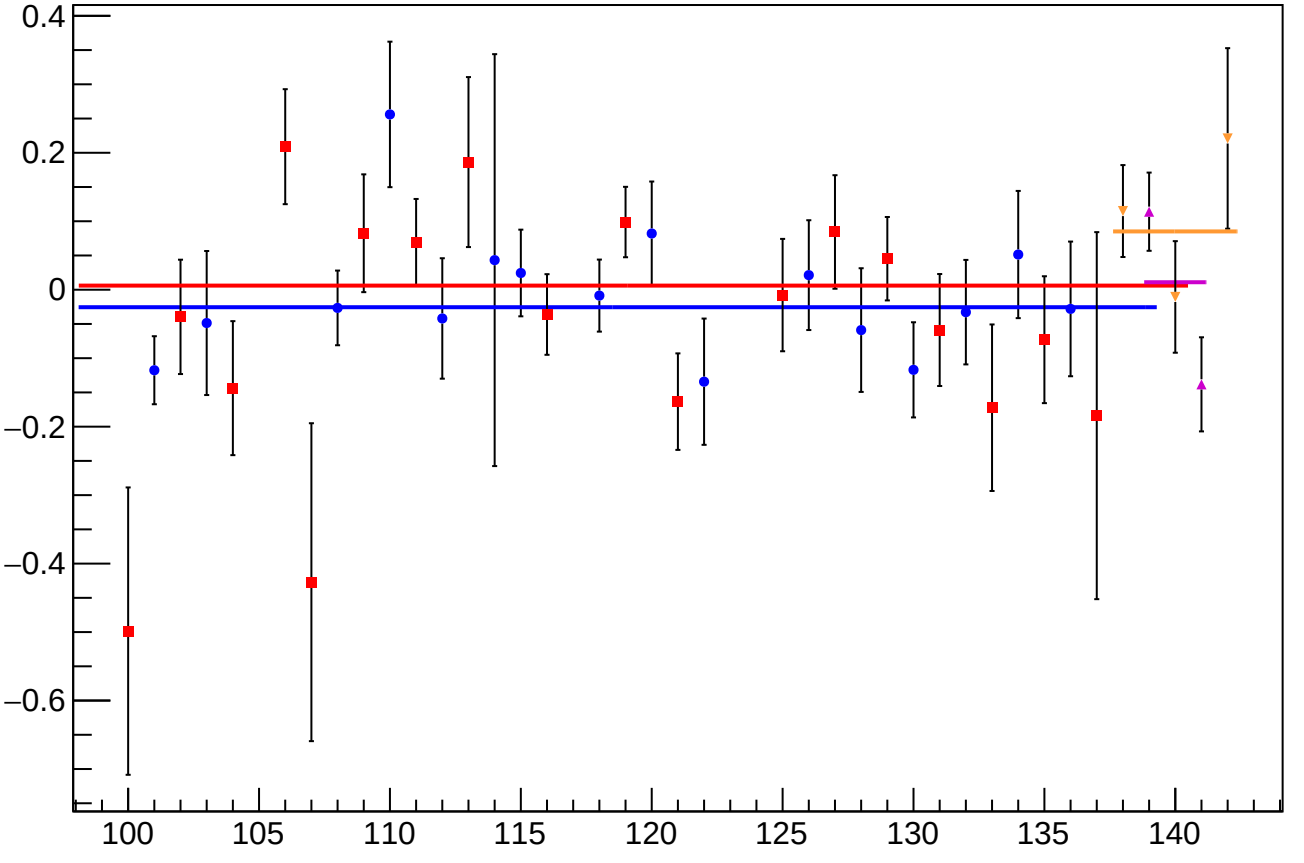
Left In: 54.518+/-0.031 χ^2/NDF:45944.2/1

+ sign 47.447+/-0.012 χ^2/NDF: 1745410.6/18

All: 47.704+/-0.009 χ^2/NDF: 3040846.3/38

- sign 47.967+/-0.013 χ^2/NDF: 1294563.0/19

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

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

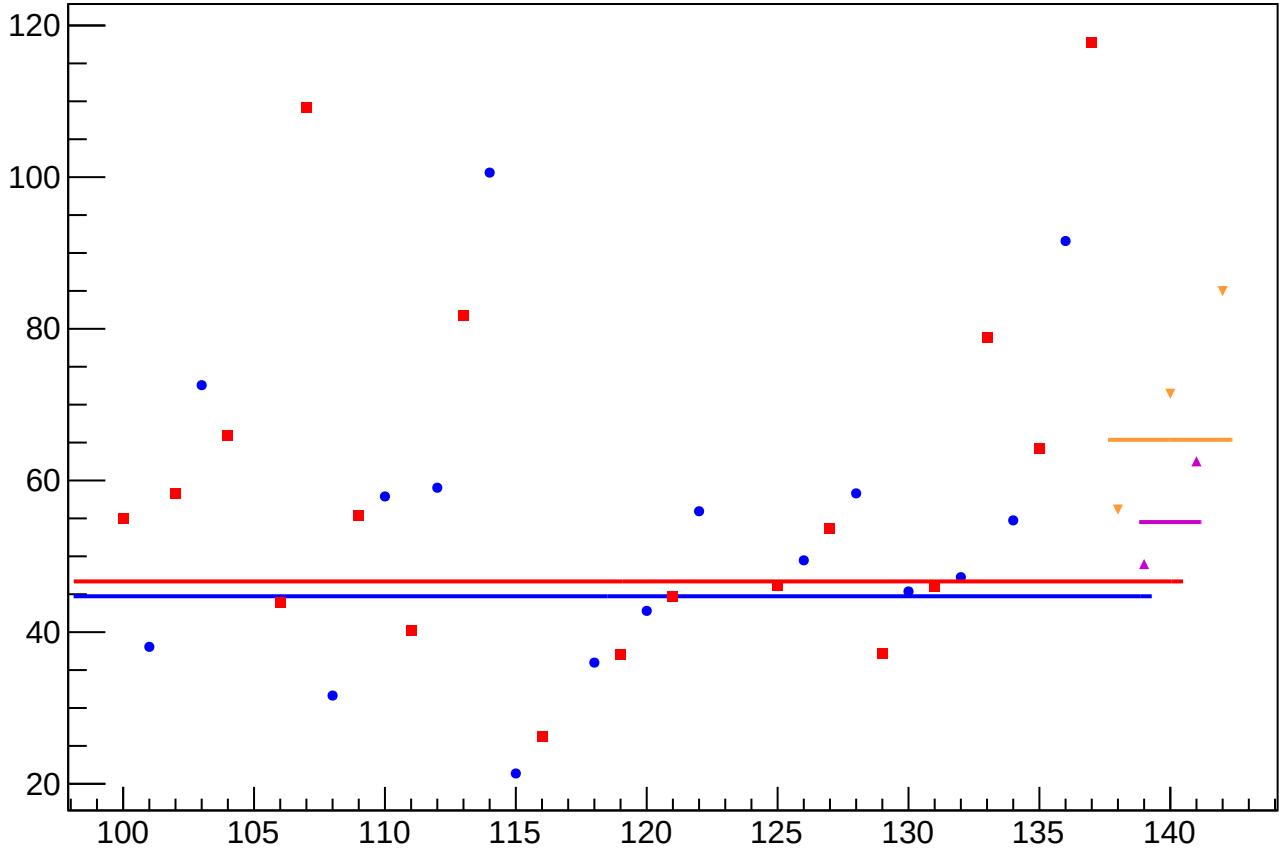
Left In: 0.011+/-0.044 χ^2/NDF:8.0/1

+ sign -0.011+/-0.017 χ^2/NDF: 24.8/18

All: -0.002+/-0.012 χ^2/NDF: 69.9/38

- sign 0.007+/-0.018 χ^2/NDF: 44.5/19

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 65.366+/-0.034 χ^2/NDF:92900.4/2

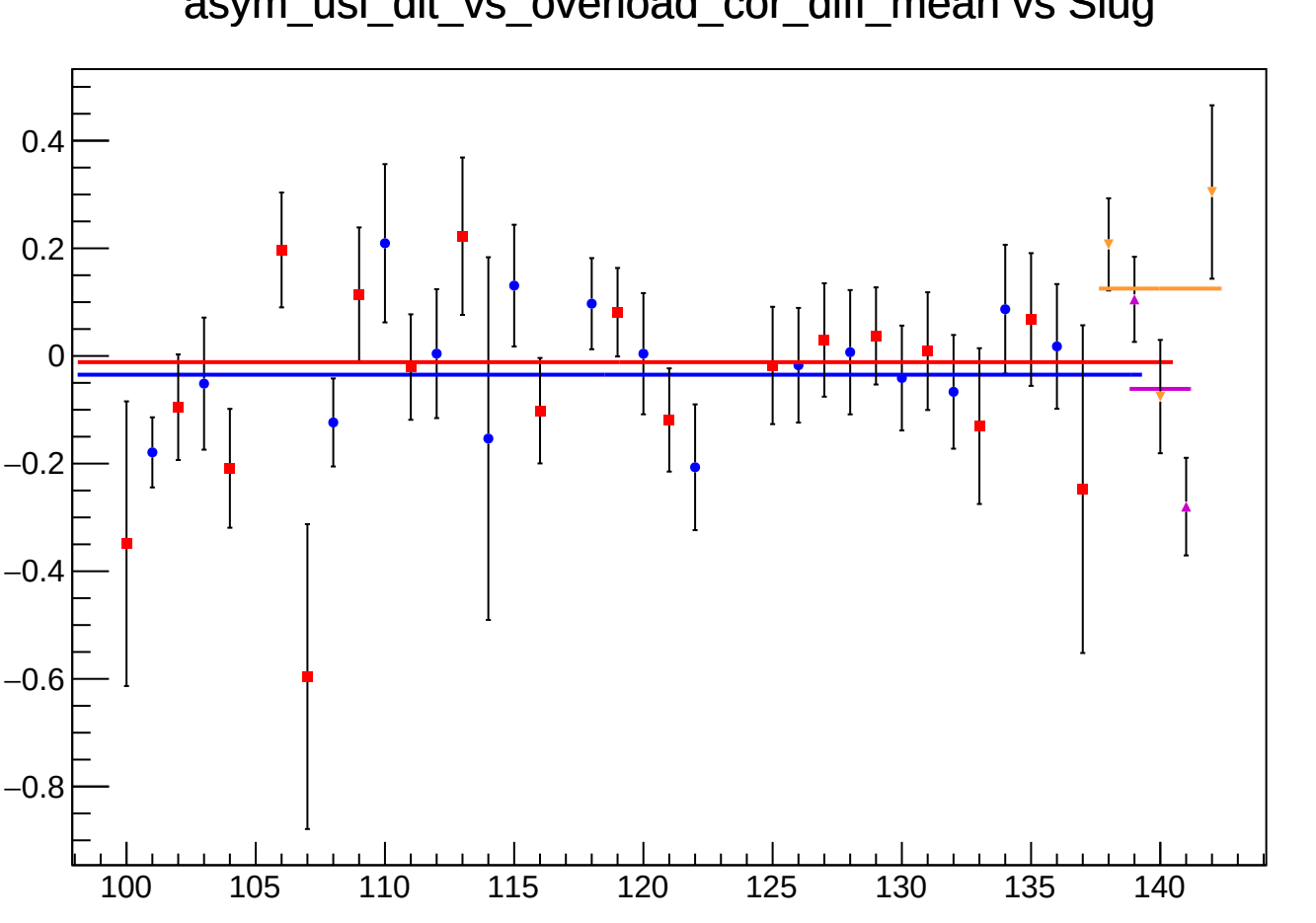
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 54.518+/-0.031 χ^2/NDF:45944.2/1

+ sign 47.447+/-0.012 χ^2/NDF: 1745410.6/18

All: 47.704+/-0.009 χ^2/NDF: 3040846.3/38

- sign 47.967+/-0.013 χ^2/NDF: 1294563.0/19



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

Left Out: 0.125+/-0.061 χ^2/NDF:5.8/2

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

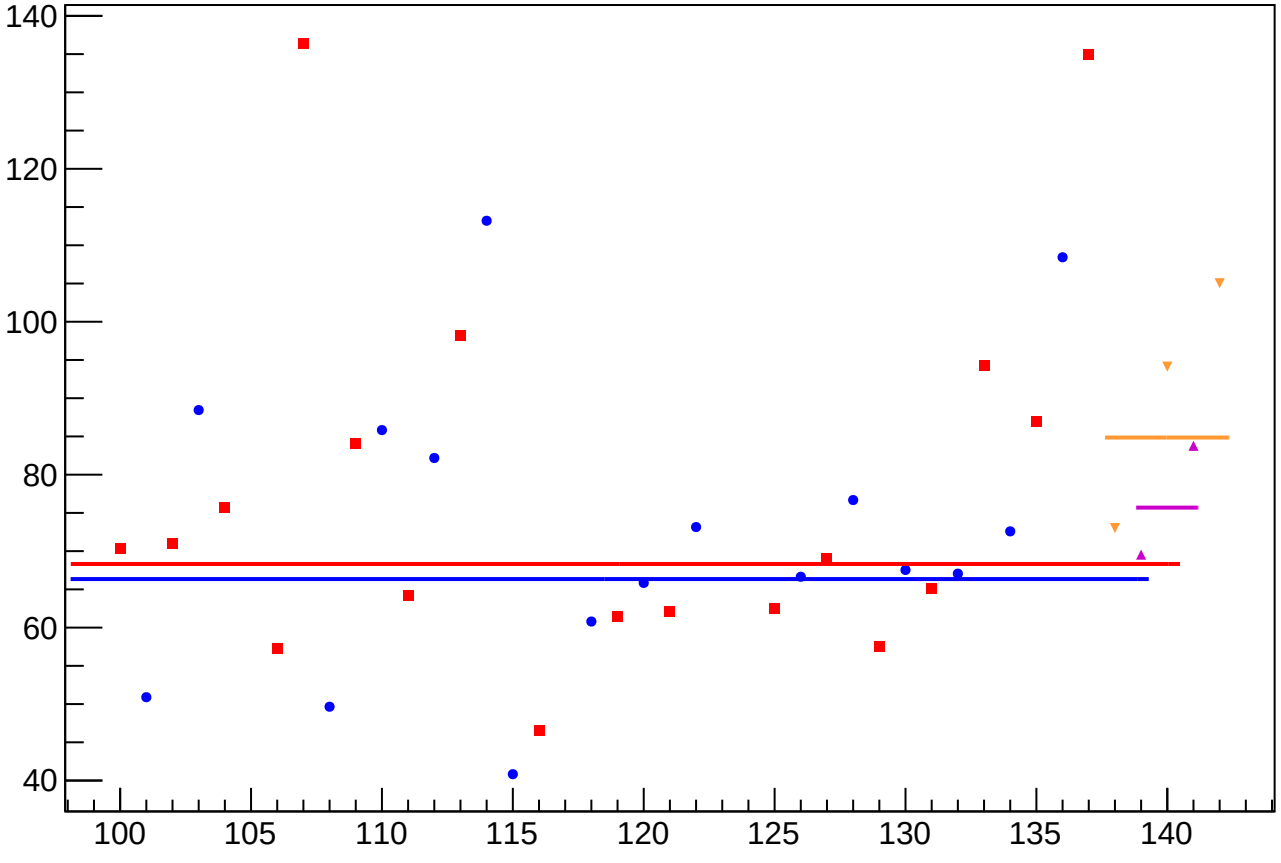
Left In: -0.061+/-0.060 χ^2/NDF:10.2/1

+ sign -0.010+/-0.024 χ^2/NDF: 29.0/18

All: -0.015+/-0.017 χ^2/NDF: 62.6/38

- sign -0.020+/-0.025 χ^2/NDF: 33.6/19

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 84.857+/-0.043 χ^2/NDF:85078.4/2

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

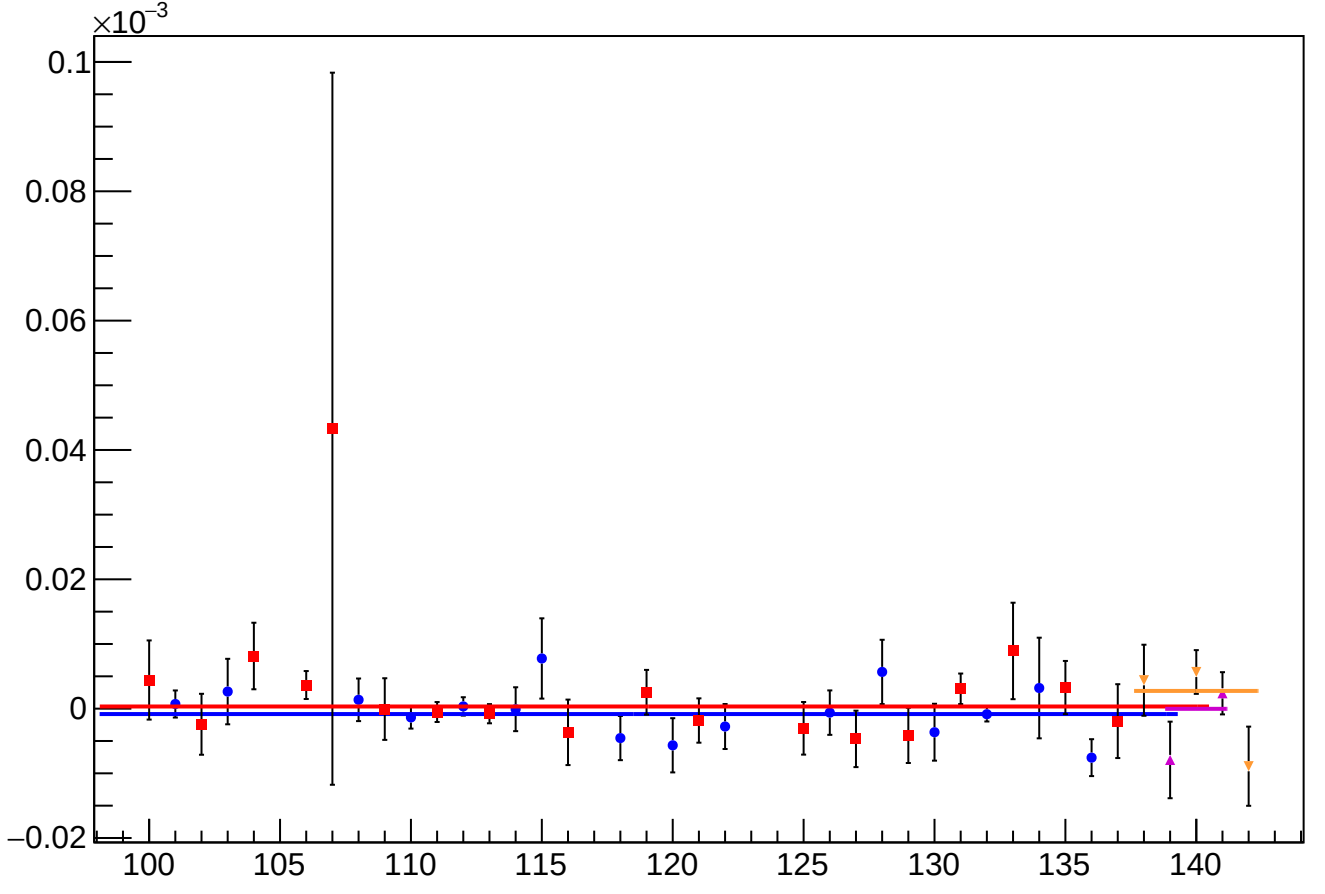
Left In: 75.693+/-0.042 χ^2/NDF:27997.6/1

+ sign 69.210+/-0.017 χ^2/NDF: 1011219.4/18

All: 69.387+/-0.012 χ^2/NDF: 1694522.0/38

- sign 69.570+/-0.017 χ^2/NDF: 683084.7/19

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:4.5/2

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

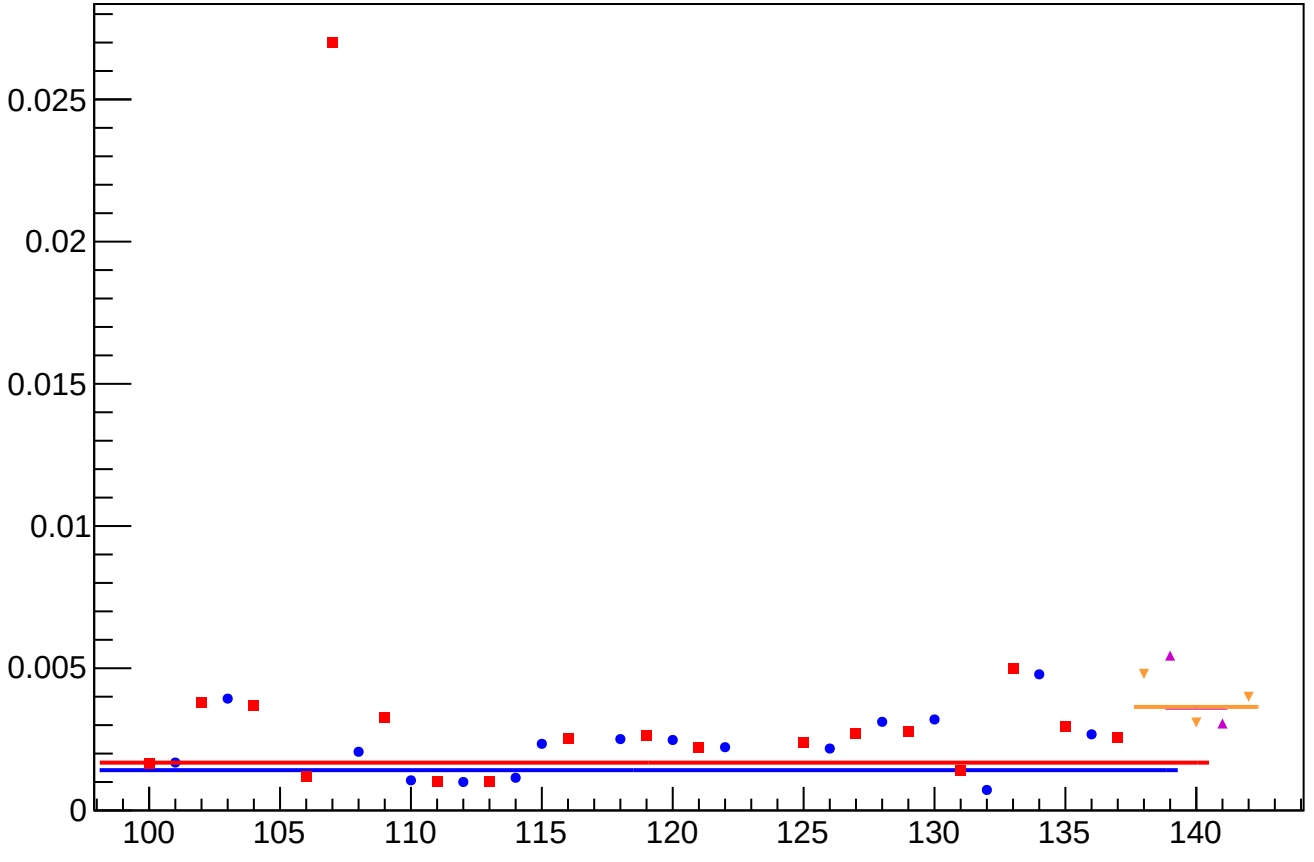
Left In: -0.000+/-0.000 χ^2/NDF:2.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 21.3/18

All: -0.000+/-0.000 χ^2/NDF: 39.5/38

- sign 0.000+/-0.000 χ^2/NDF: 17.1/19

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:149129.5/2

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

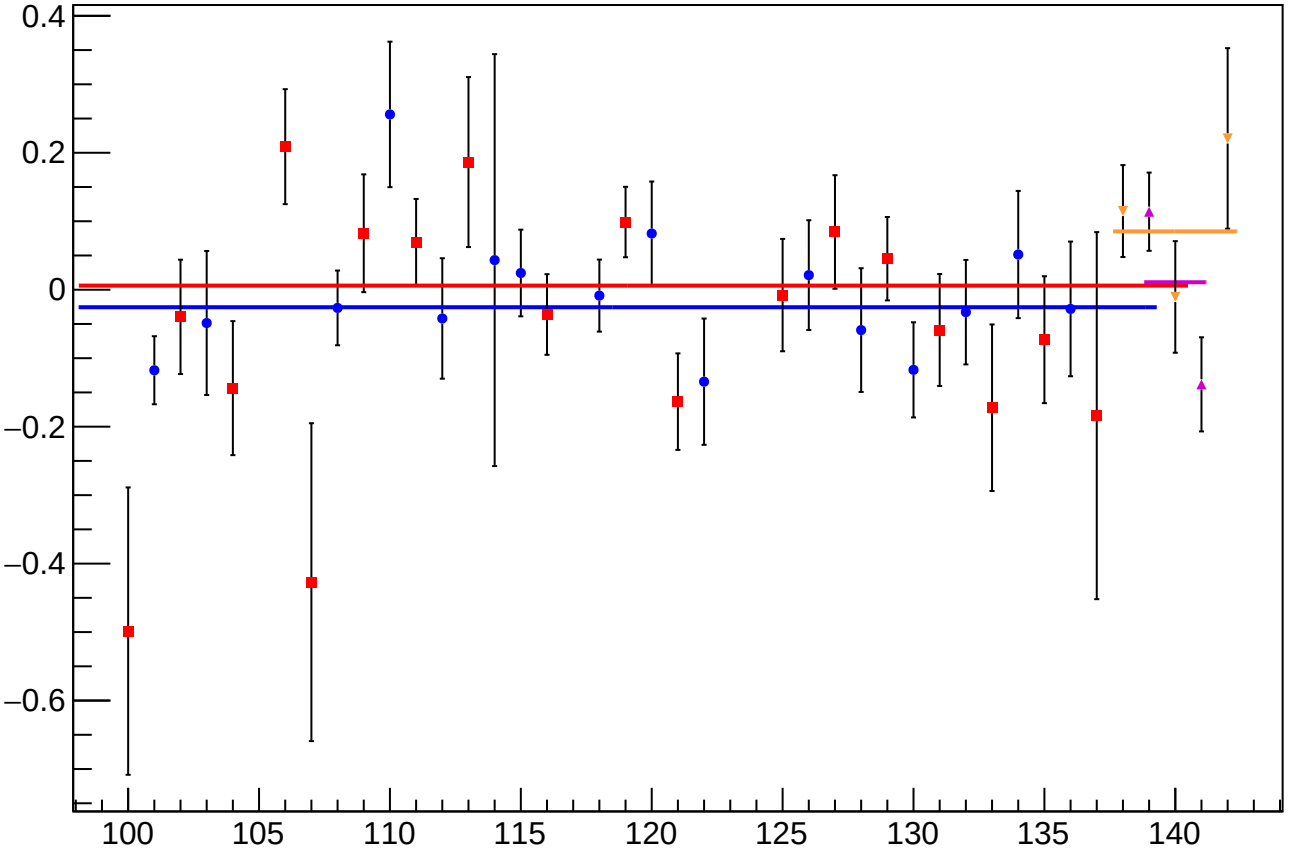
Left In: 0.004+/-0.000 χ^2/NDF:249436.1/1

+ sign 0.002+/-0.000 χ^2/NDF: 5074934.6/18

All: 0.002+/-0.000 χ^2/NDF: 9773013.8/38

- sign 0.002+/-0.000 χ^2/NDF: 4535723.4/19

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

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

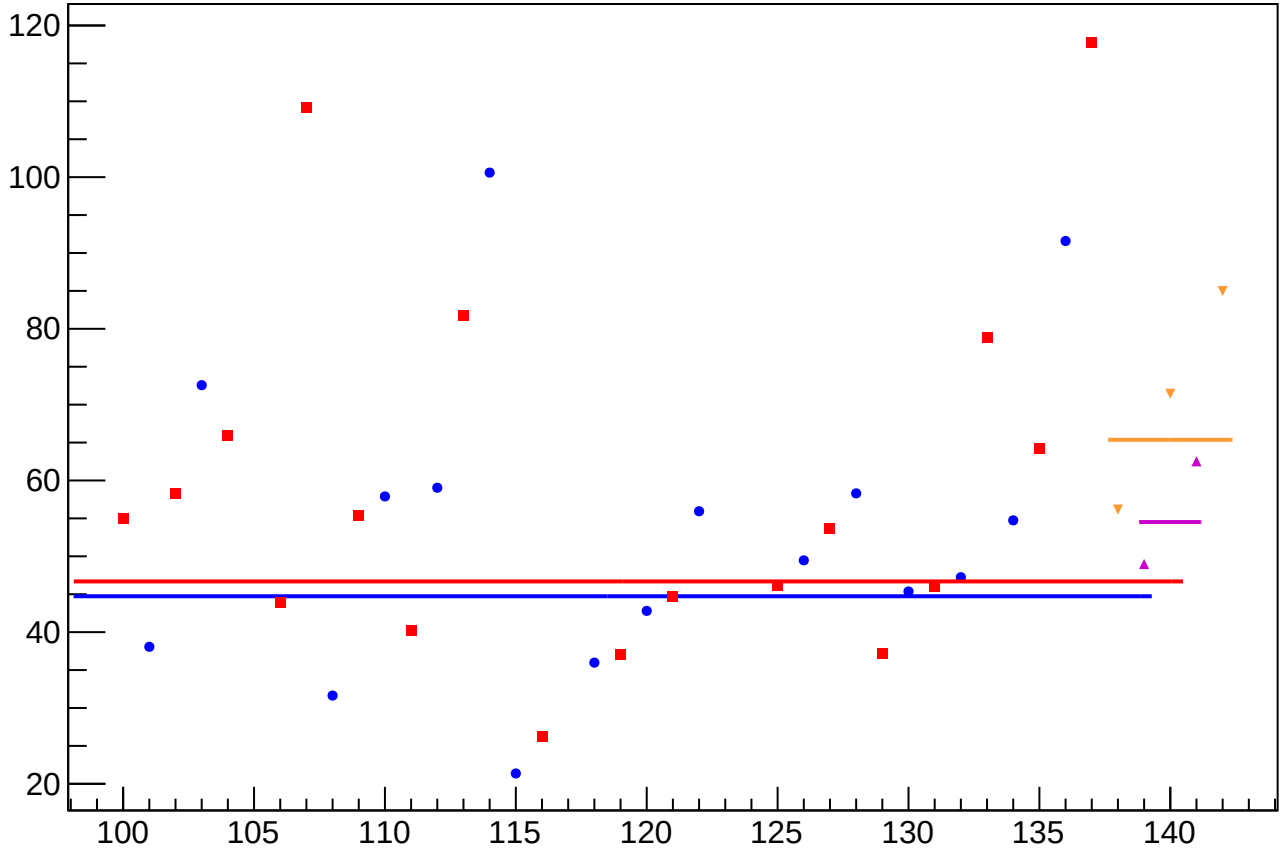
Left In: 0.011+/-0.044 χ^2/NDF:8.0/1

+ sign -0.011+/-0.017 χ^2/NDF: 24.8/18

All: -0.002+/-0.012 χ^2/NDF: 69.9/38

- sign 0.007+/-0.018 χ^2/NDF: 44.5/19

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 65.365+/-0.034 χ^2/NDF:92907.4/2

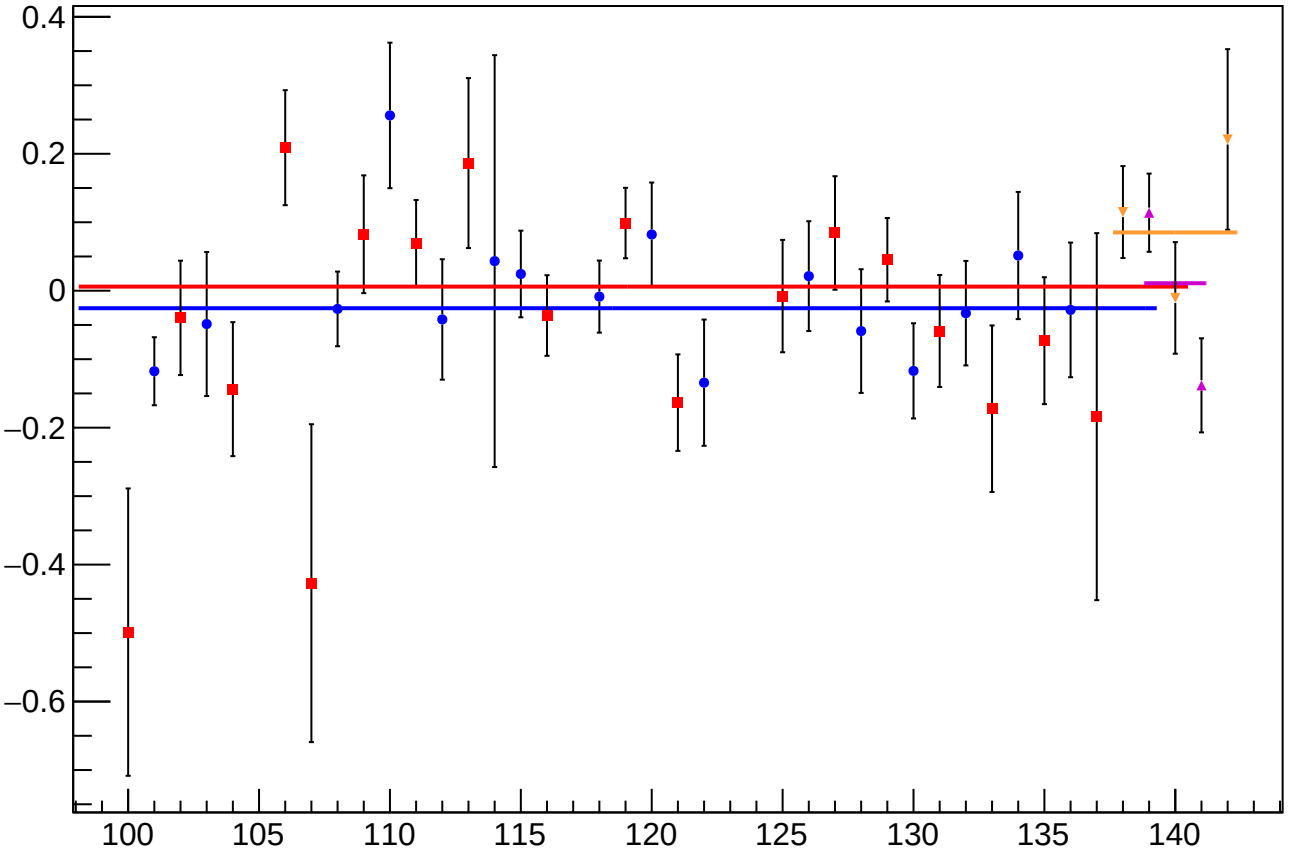
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 54.518+/-0.031 χ^2/NDF:45938.6/1

+ sign 47.446+/-0.012 χ^2/NDF: 1745497.2/18

All: 47.703+/-0.009 χ^2/NDF: 3040983.1/38

- sign 47.967+/-0.013 χ^2/NDF: 1294612.7/19



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

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

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

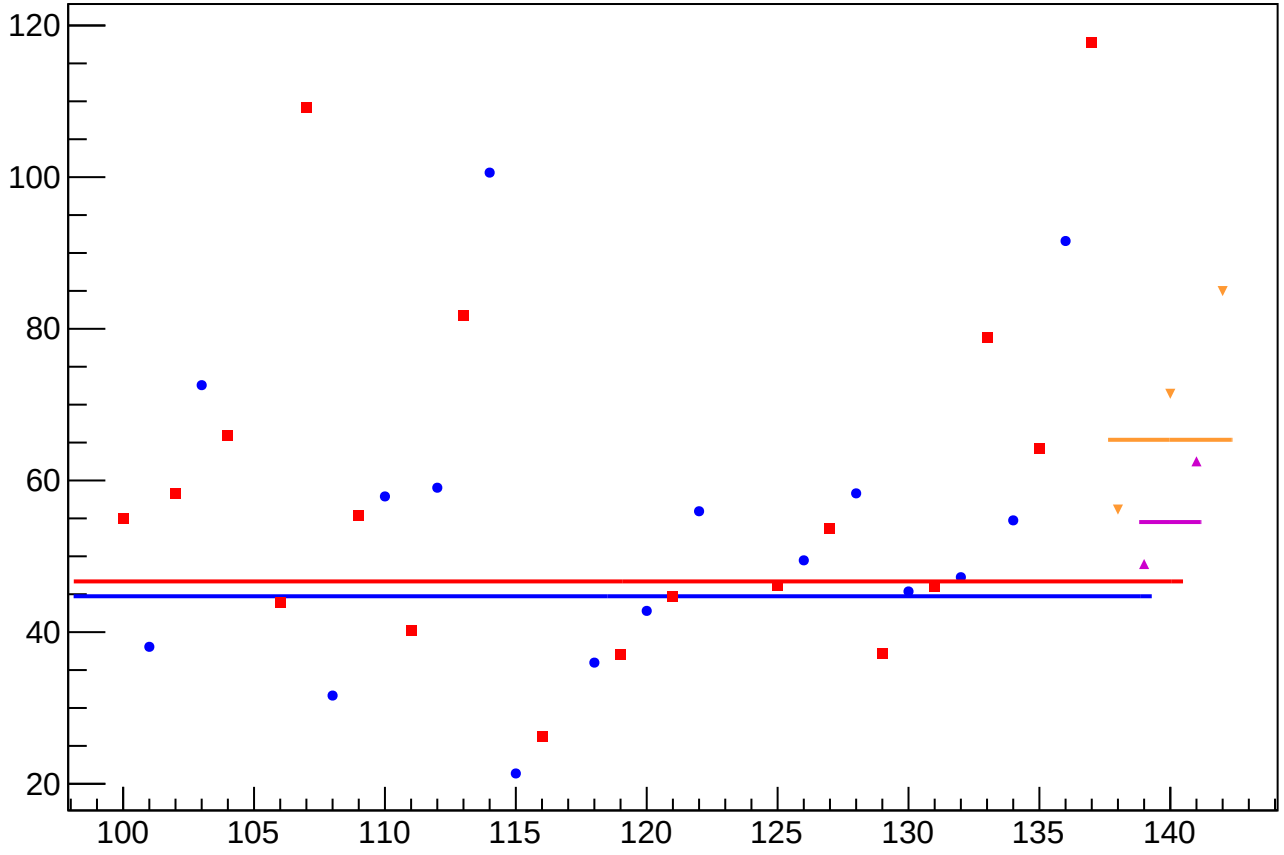
Left In: 0.011+/-0.044 χ^2/NDF:8.0/1

+ sign -0.011+/-0.017 χ^2/NDF: 24.8/18

All: -0.002+/-0.012 χ^2/NDF: 69.9/38

- sign 0.007+/-0.018 χ^2/NDF: 44.5/19

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: 65.365+/-0.034 χ^2/NDF:92907.4/2

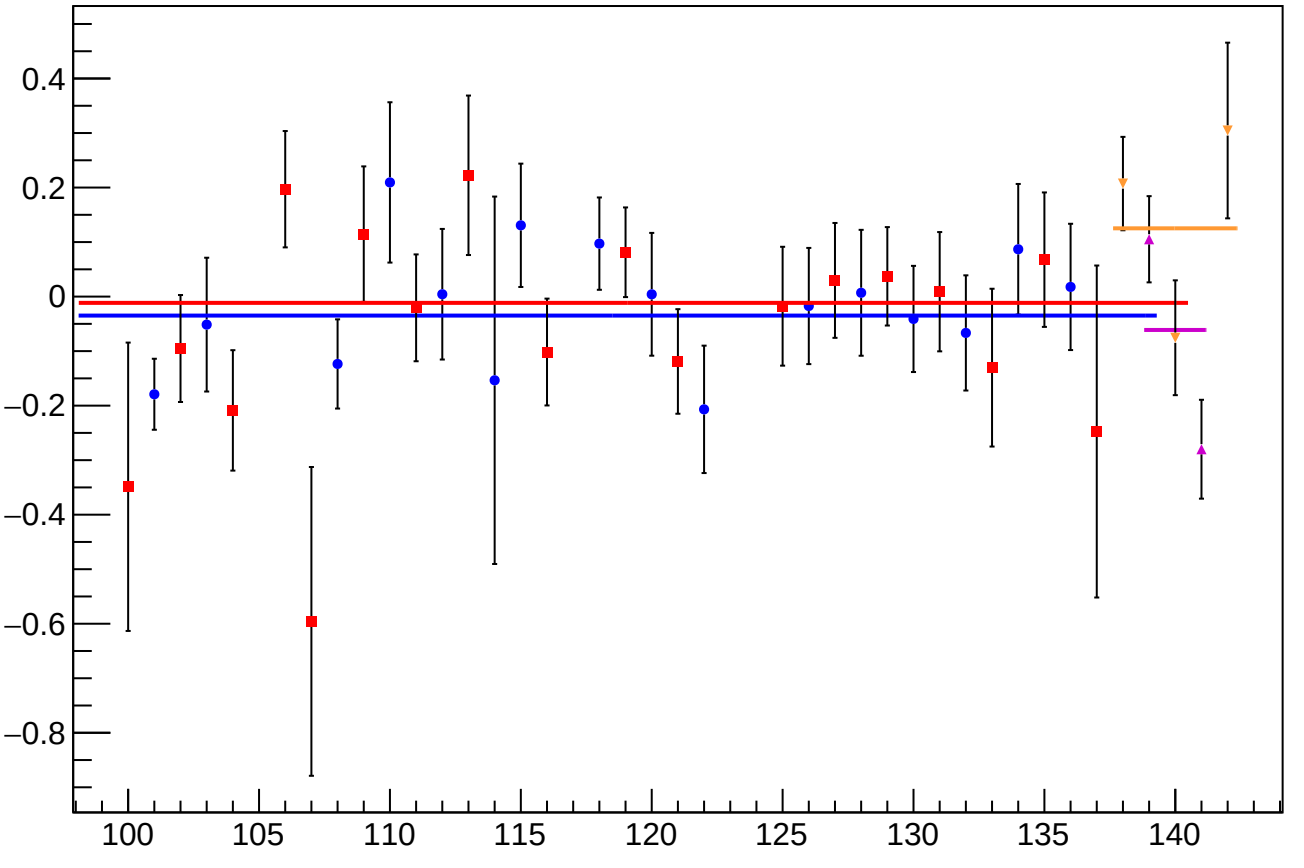
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 54.518+/-0.031 χ^2/NDF:45938.6/1

+ sign 47.446+/-0.012 χ^2/NDF: 1745497.2/18

All: 47.703+/-0.009 χ^2/NDF: 3040983.1/38

- sign 47.967+/-0.013 χ^2/NDF: 1294612.7/19



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

Left Out: 0.125+/-0.061 χ^2/NDF:5.8/2

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

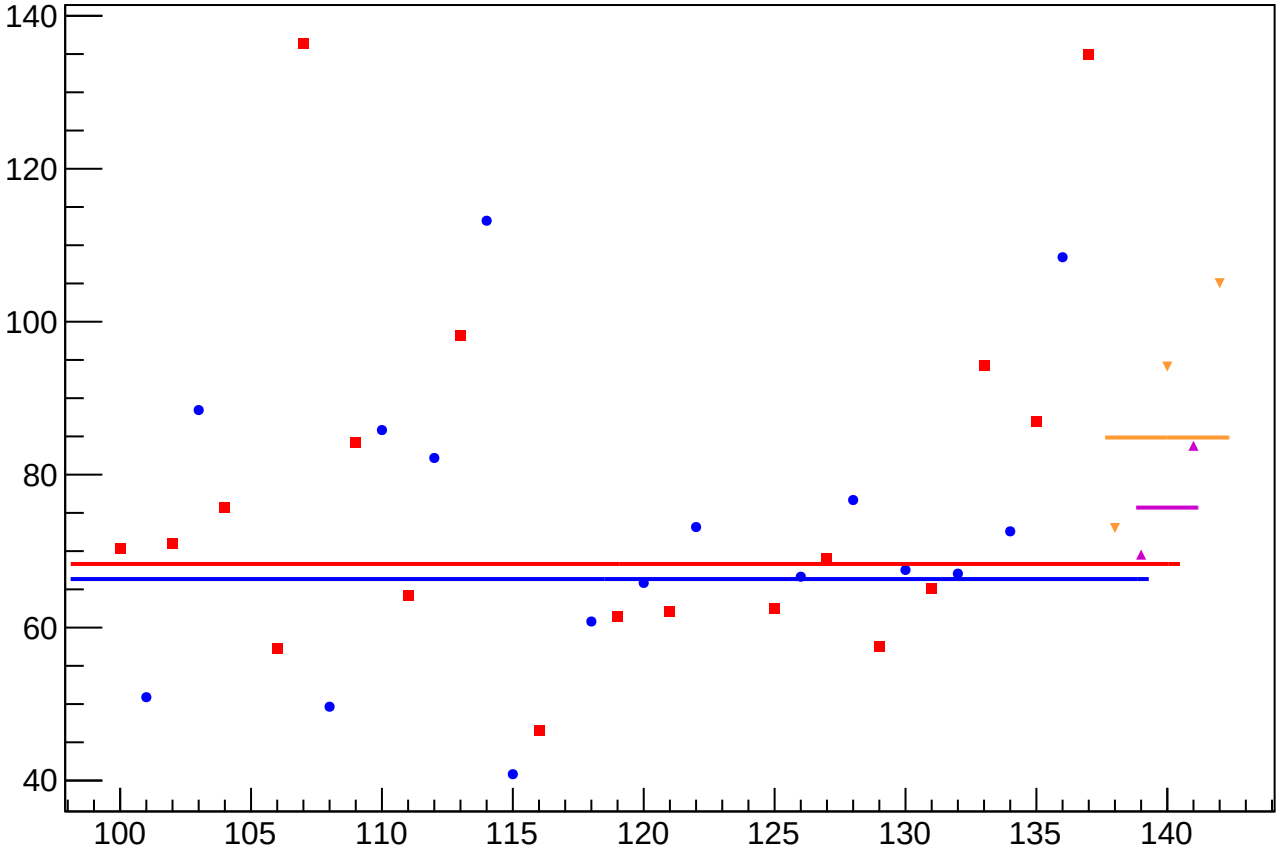
Left In: -0.061+/-0.060 χ^2/NDF:10.2/1

+ sign -0.010+/-0.024 χ^2/NDF: 29.0/18

All: -0.015+/-0.017 χ^2/NDF: 62.6/38

- sign -0.020+/-0.025 χ^2/NDF: 33.6/19

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 84.856+/-0.043 χ^2/NDF:85082.8/2

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

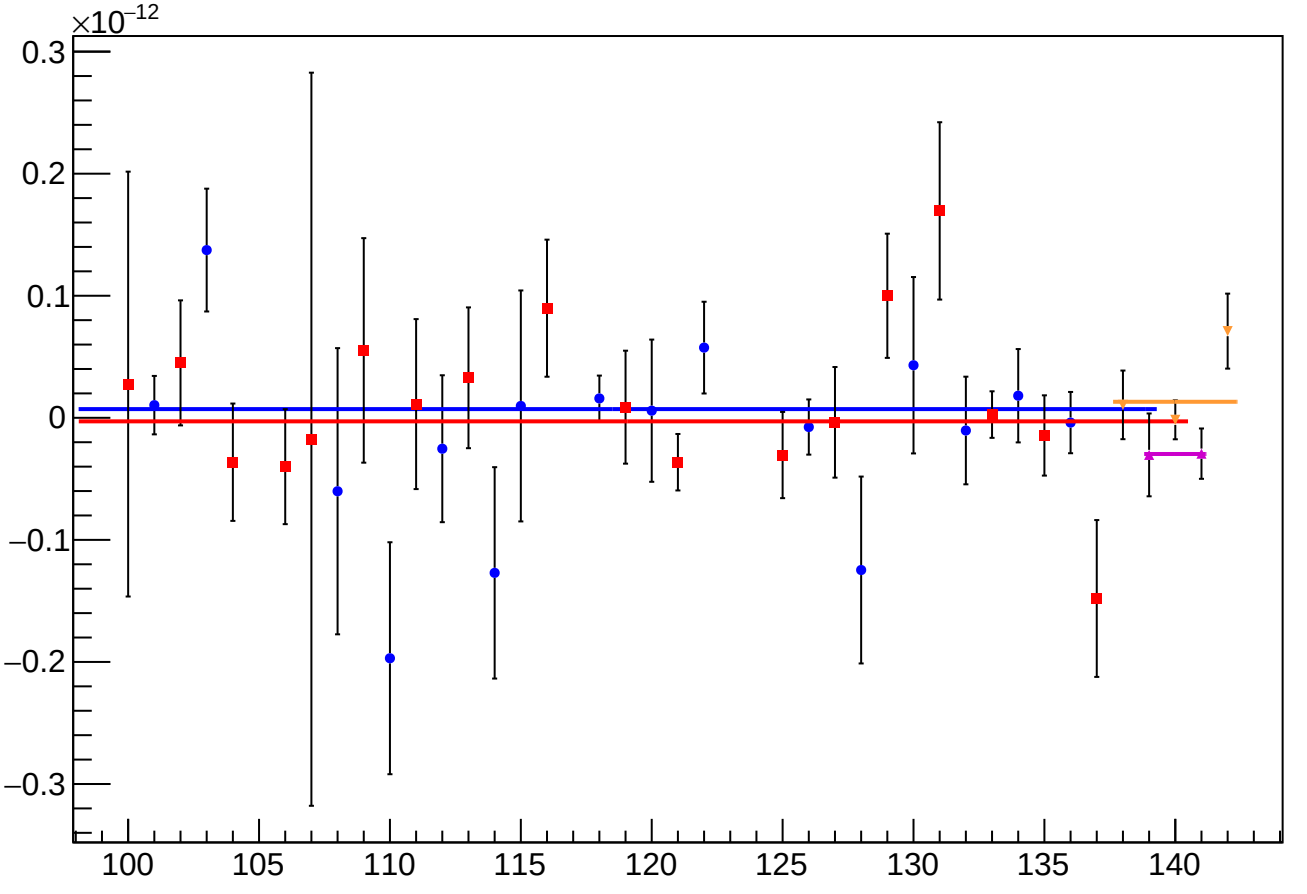
Left In: 75.693+/-0.042 χ^2/NDF:27994.6/1

+ sign 69.210+/-0.017 χ^2/NDF: 1011235.2/18

All: 69.387+/-0.012 χ^2/NDF: 1694537.1/38

- sign 69.569+/-0.017 χ^2/NDF: 683084.2/19

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:4.4/2

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

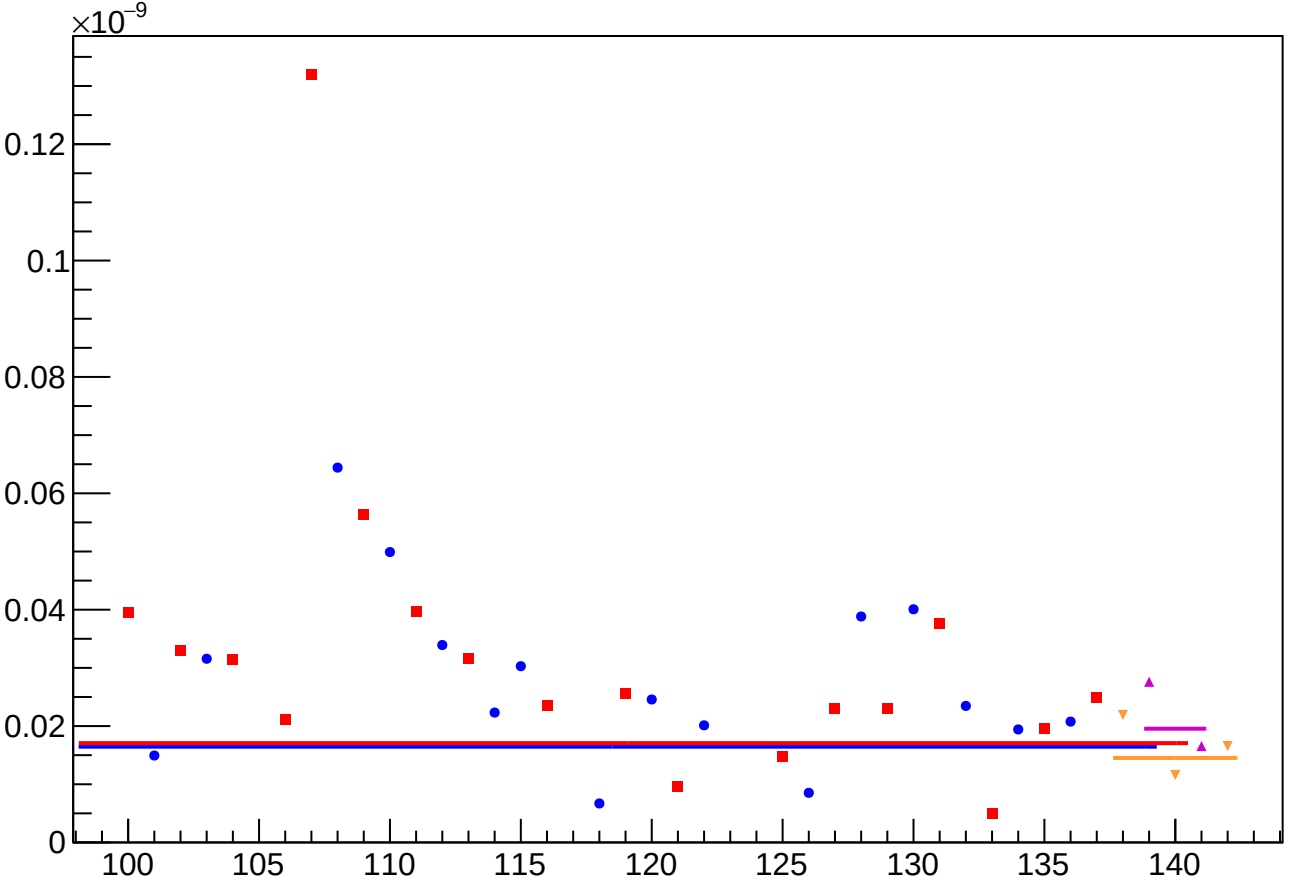
Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/18

All: 0.000+/-0.000 χ^2/NDF: 52.8/38

- sign -0.000+/-0.000 χ^2/NDF: 25.1/19

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:214500.2/2

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

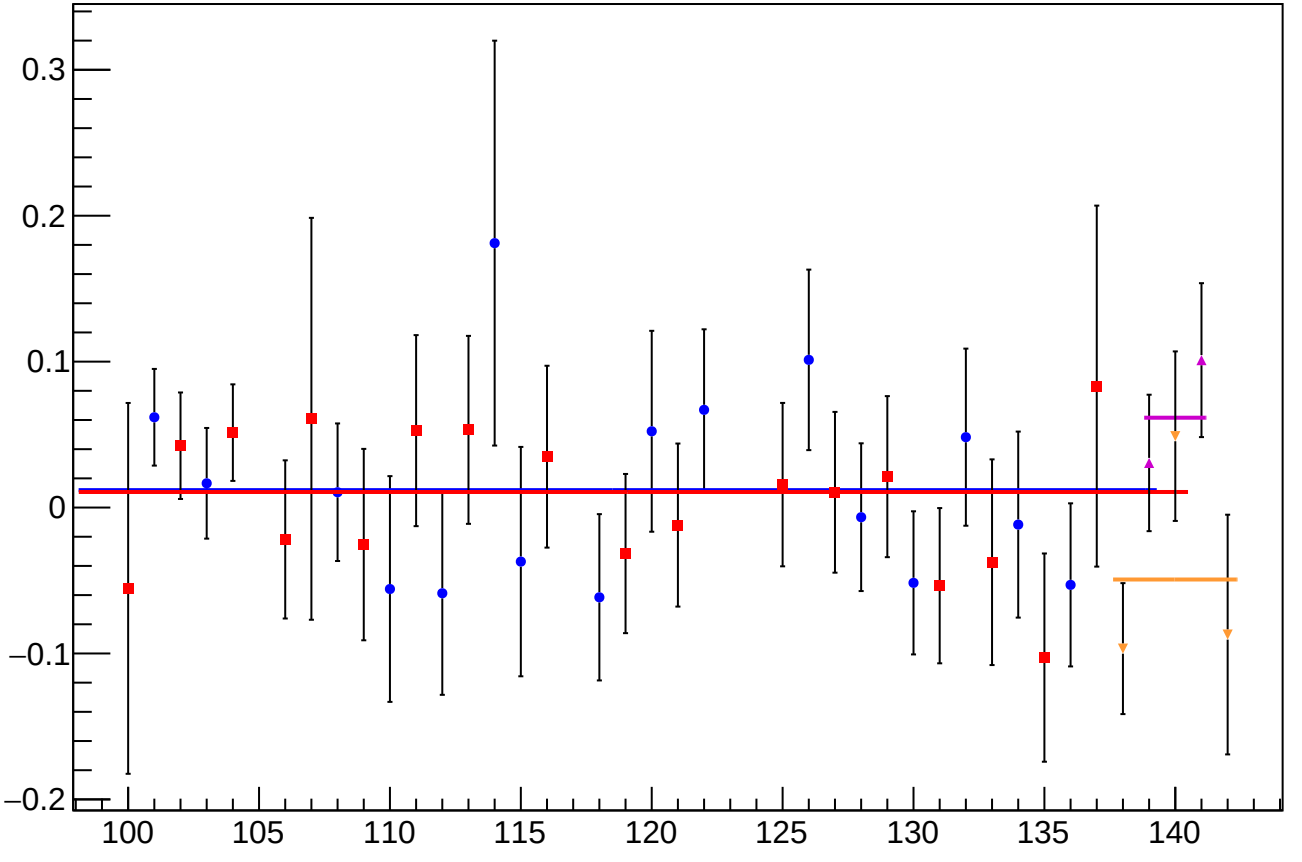
Left In: 0.000+/-0.000 χ^2/NDF:154745.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 2591079.6/18

All: 0.000+/-0.000 χ^2/NDF: 5621352.3/38

- sign 0.000+/-0.000 χ^2/NDF: 2976313.8/19

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.049+/-0.033 χ^2/NDF:4.2/2

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

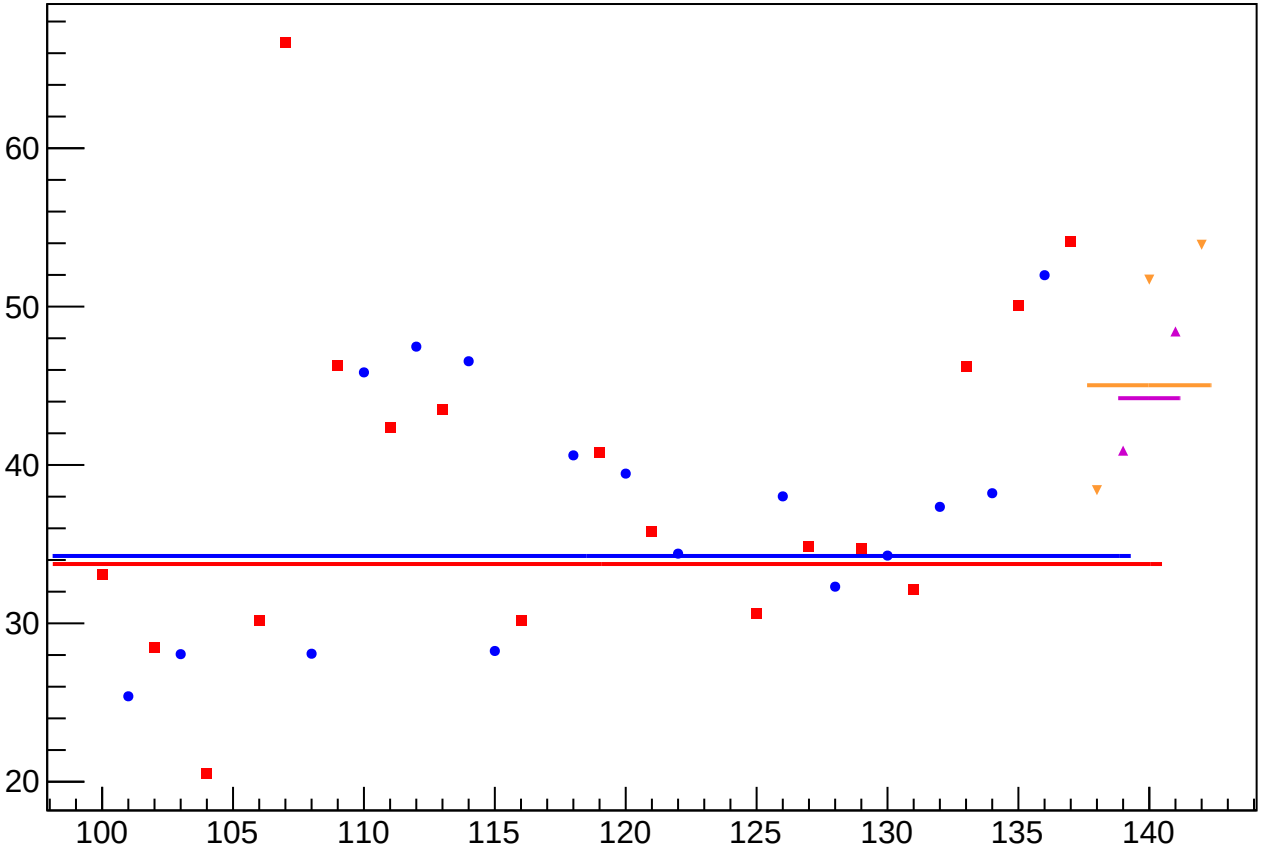
Left In: 0.062+/-0.035 χ^2/NDF:1.0/1

+ sign 0.003+/-0.013 χ^2/NDF: 21.9/18

All: 0.010+/-0.009 χ^2/NDF: 35.3/38

- sign 0.017+/-0.013 χ^2/NDF: 12.8/19

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 45.034+/-0.023 χ^2/NDF:93292.7/2

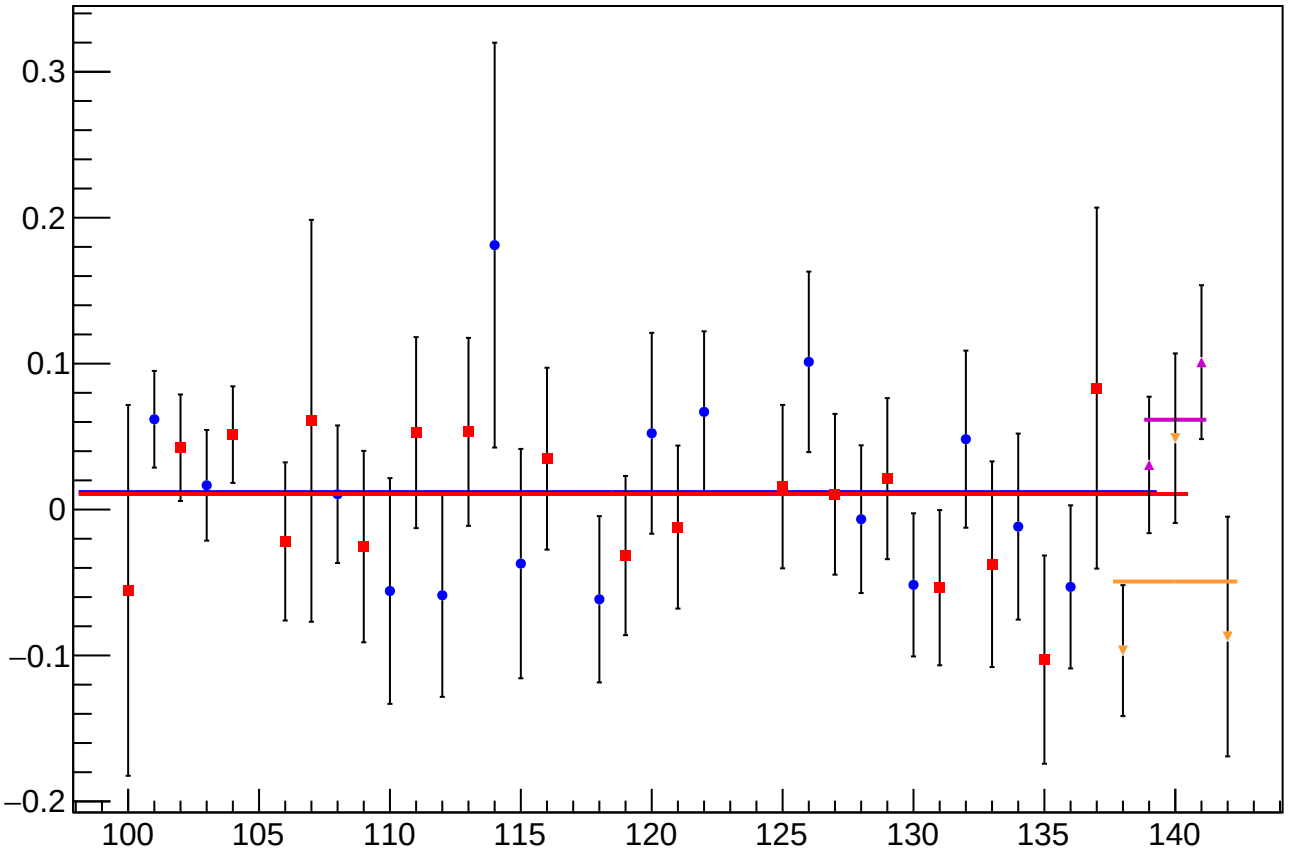
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 44.217+/-0.025 χ^2/NDF:22805.3/1

+ sign 35.855+/-0.009 χ^2/NDF: 915563.1/18

All: 35.474+/-0.006 χ^2/NDF: 2010093.0/38

- sign 35.093+/-0.009 χ^2/NDF: 1090841.8/19



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

Left Out: -0.049+/-0.033 χ^2/NDF:4.2/2

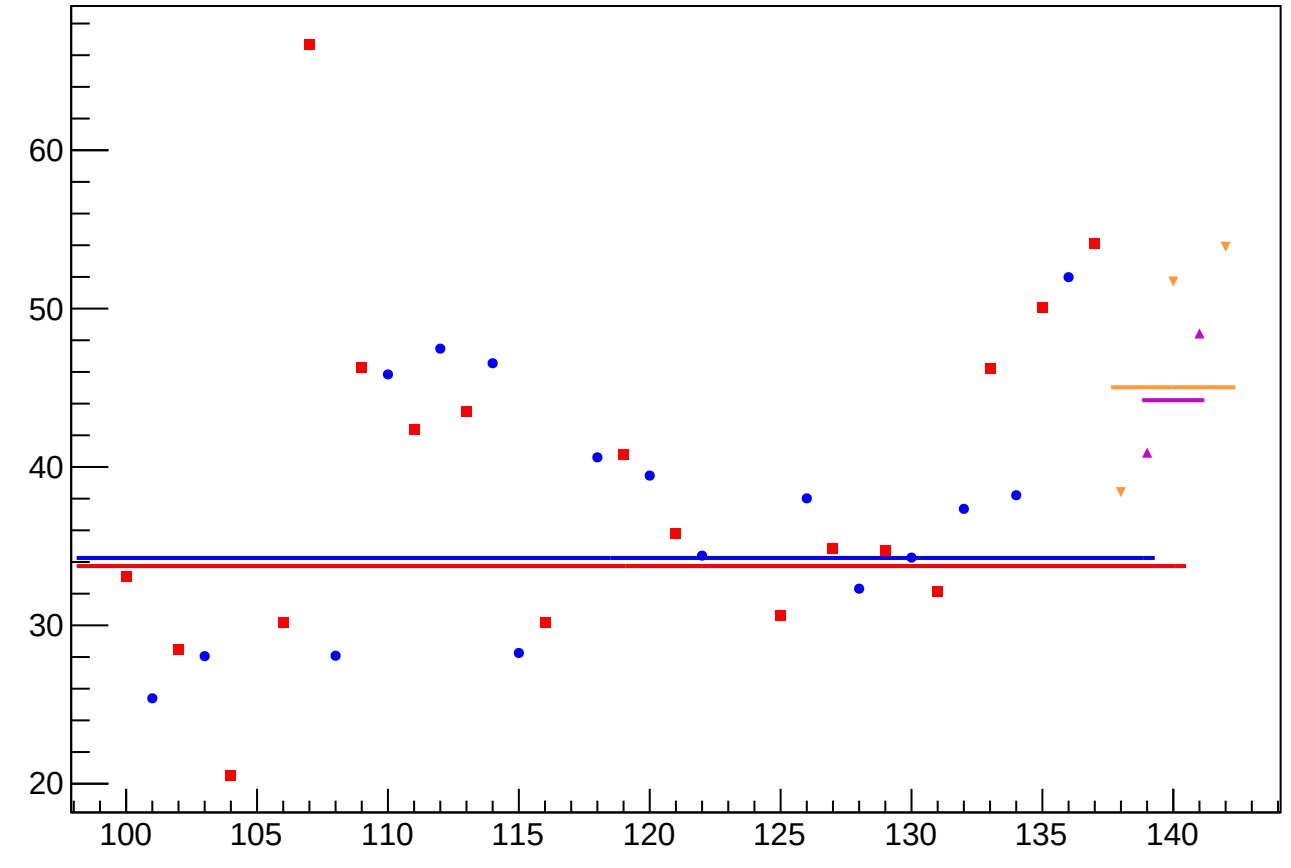
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.062+/-0.035 χ^2/NDF:1.0/1

+ sign 0.003+/-0.013 χ^2/NDF: 21.9/18

All: 0.010+/-0.009 χ^2/NDF: 35.3/38

- sign 0.017+/-0.013 χ^2/NDF: 12.8/19



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 45.034+/-0.023 χ^2/NDF:93292.7/2

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

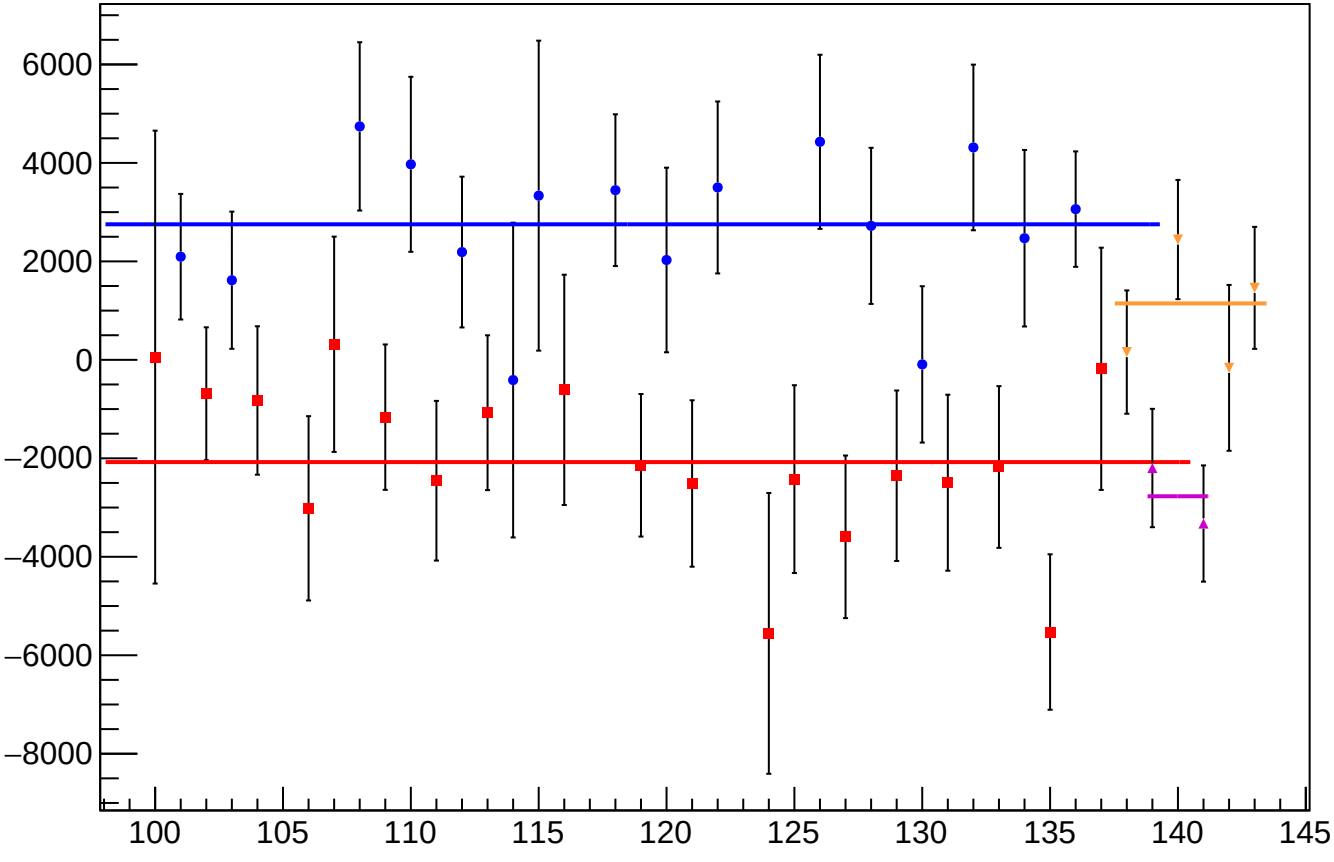
Left In: 44.217+/-0.025 χ^2/NDF:22805.3/1

+ sign 35.855+/-0.009 χ^2/NDF: 915563.1/18

All: 35.474+/-0.006 χ^2/NDF: 2010093.0/38

- sign 35.093+/-0.009 χ^2/NDF: 1090841.8/19

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

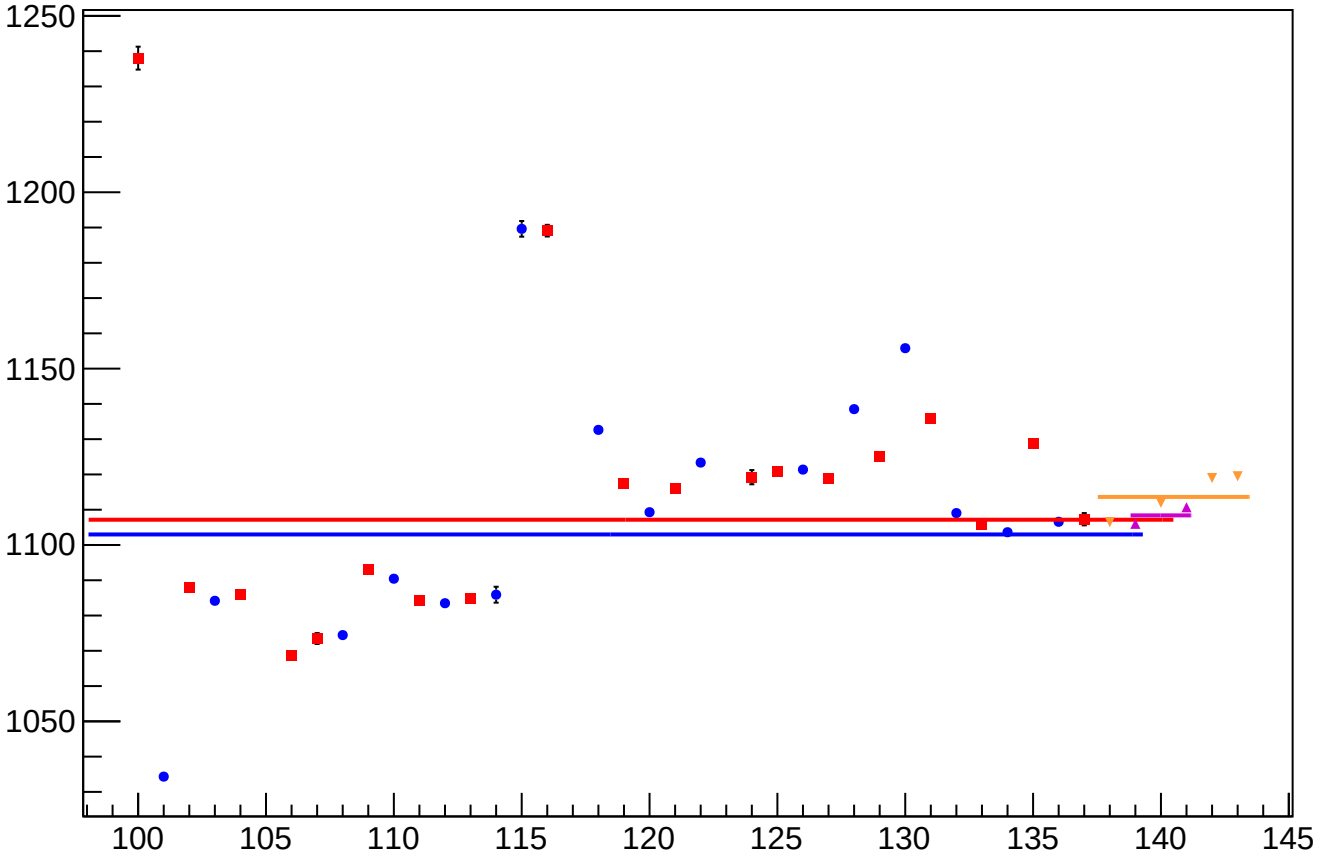
Left In: -2771.020+/-842.300 χ^2/NDF:0.4/1

+ sign 2302.020+/-347.593 χ^2/NDF: 16.3/19

All: 152.490+/-251.424 χ^2/NDF: 110.0/40

- sign -2206.264+/-364.117 χ^2/NDF: 13.5/20

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

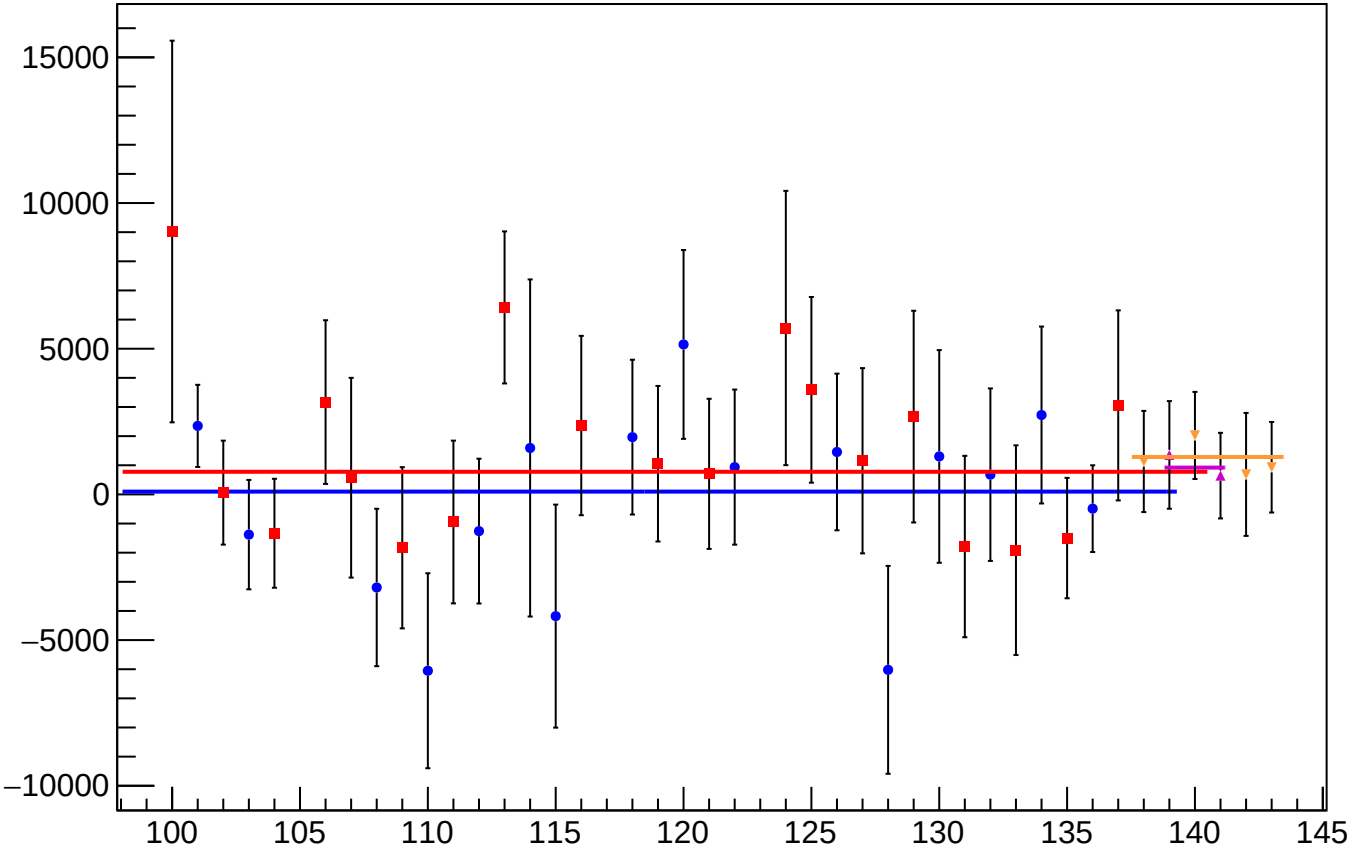
Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

+ sign 1105.974+/-0.246 χ^2/NDF: 13736.1/19

All: 1106.649+/-0.178 χ^2/NDF: 22454.3/40

- sign 1107.390+/-0.257 χ^2/NDF: 8702.4/20

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

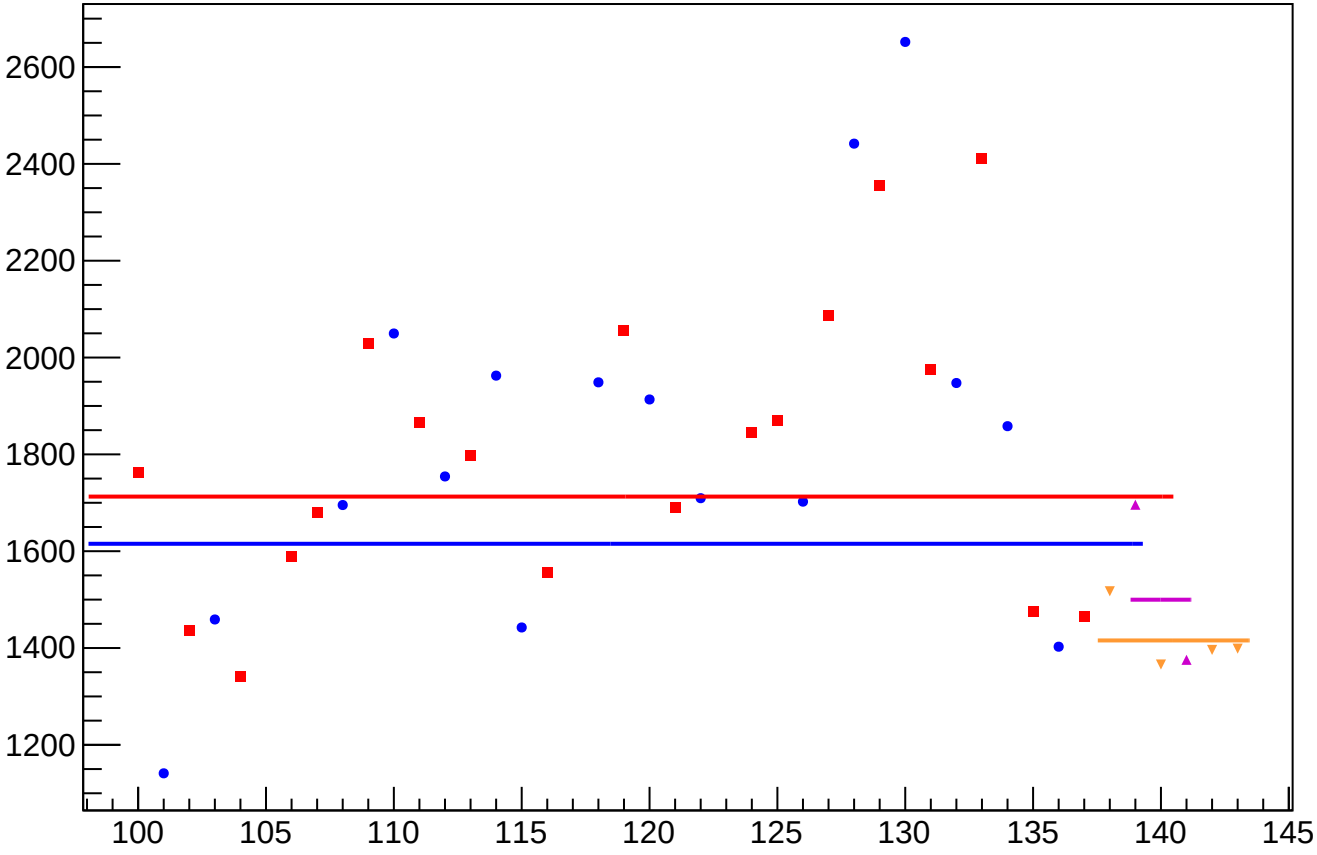
Left In: 919.839+/-1149.918 χ^2/NDF:0.1/1

+ sign 513.433+/-497.796 χ^2/NDF: 18.6/19

All: 645.309+/-371.225 χ^2/NDF: 33.9/40

- sign 810.534+/-557.194 χ^2/NDF: 15.2/20

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

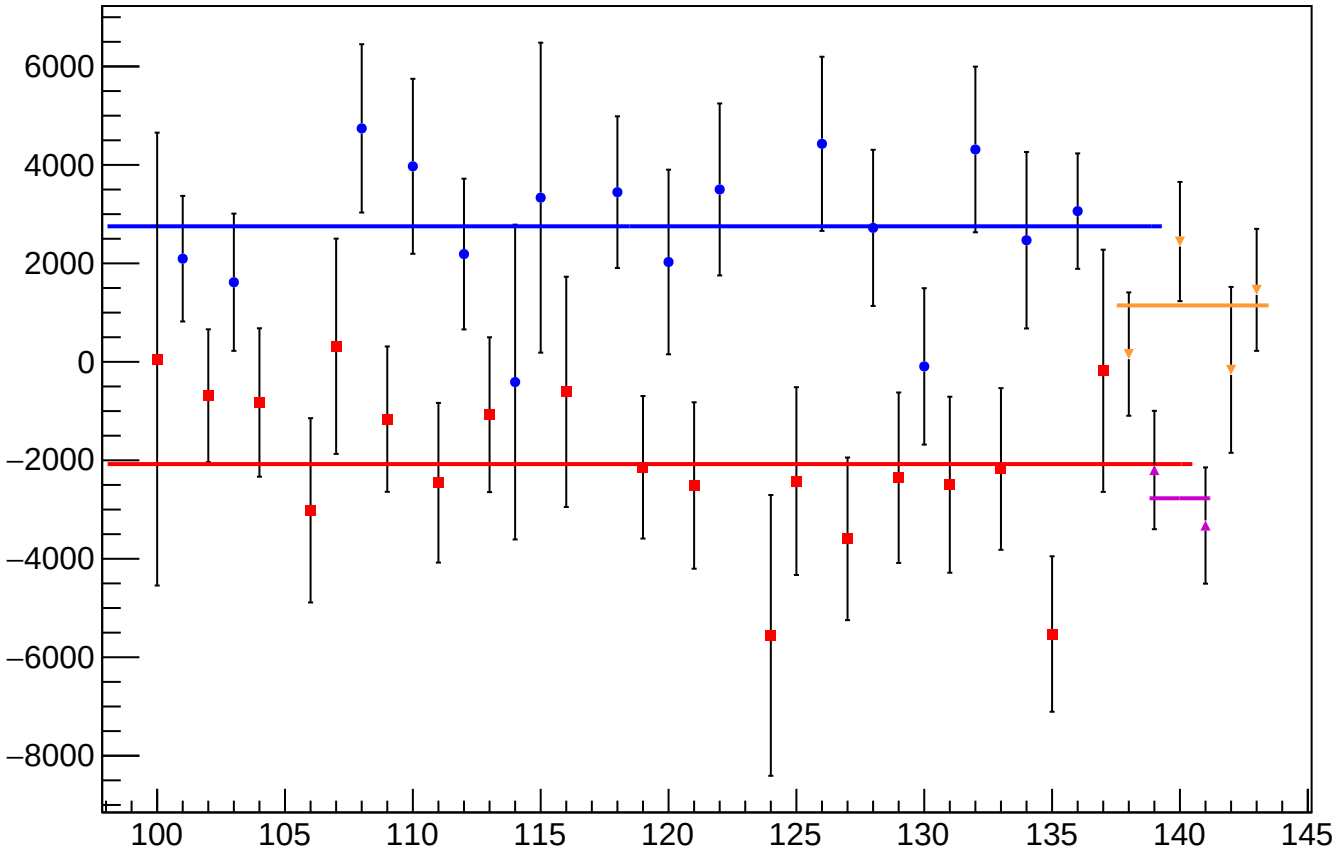
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1499.810+/-0.813 χ^2/NDF:36835.3/1

+ sign 1545.161+/-0.352 χ^2/NDF: 776421.7/19

All: 1597.374+/-0.262 χ^2/NDF: 1343396.2/40

- sign 1662.791+/-0.394 χ^2/NDF: 517403.9/20



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

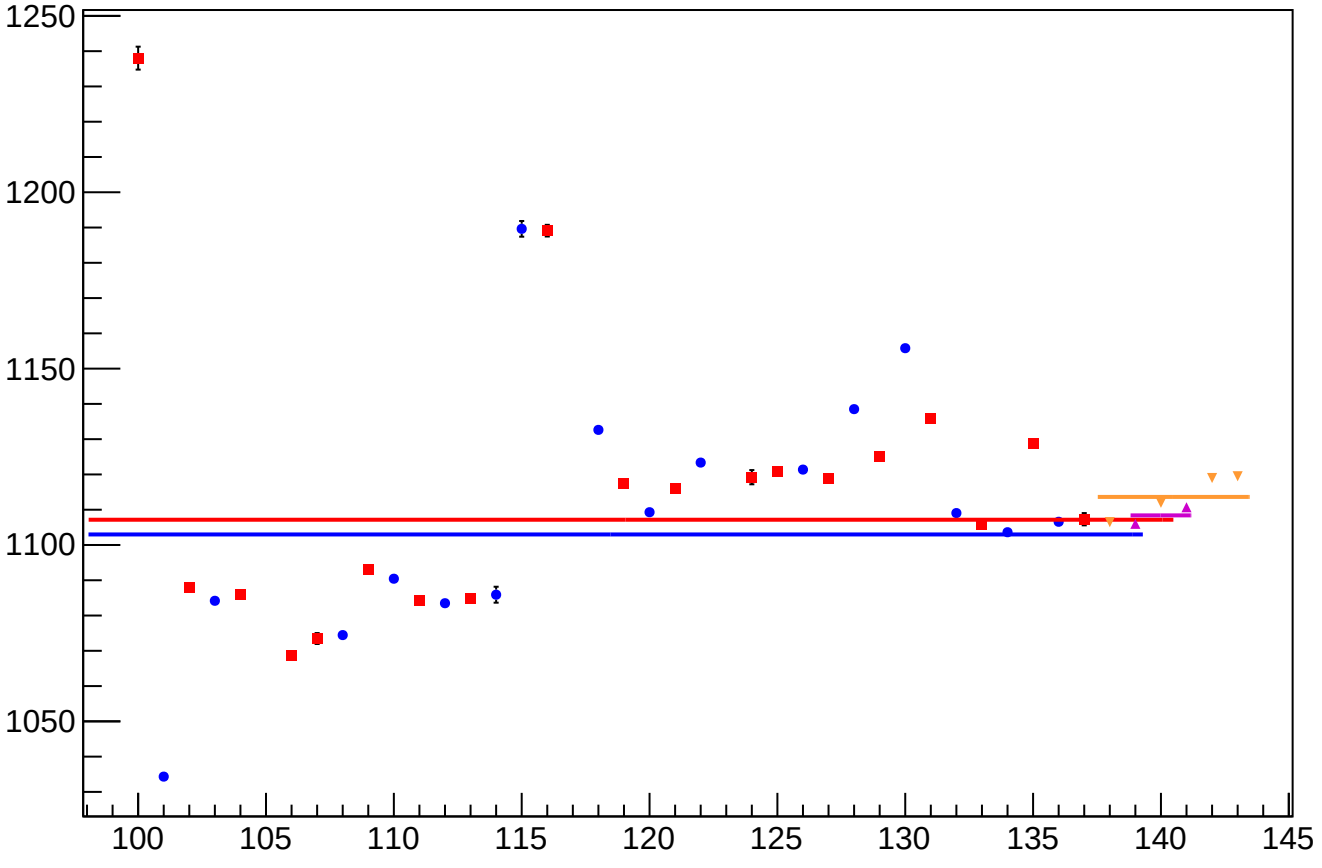
Left In: -2771.020+/-842.300 χ^2/NDF:0.4/1

+ sign 2302.020+/-347.593 χ^2/NDF: 16.3/19

All: 152.490+/-251.424 χ^2/NDF: 110.0/40

- sign -2206.264+/-364.117 χ^2/NDF: 13.5/20

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

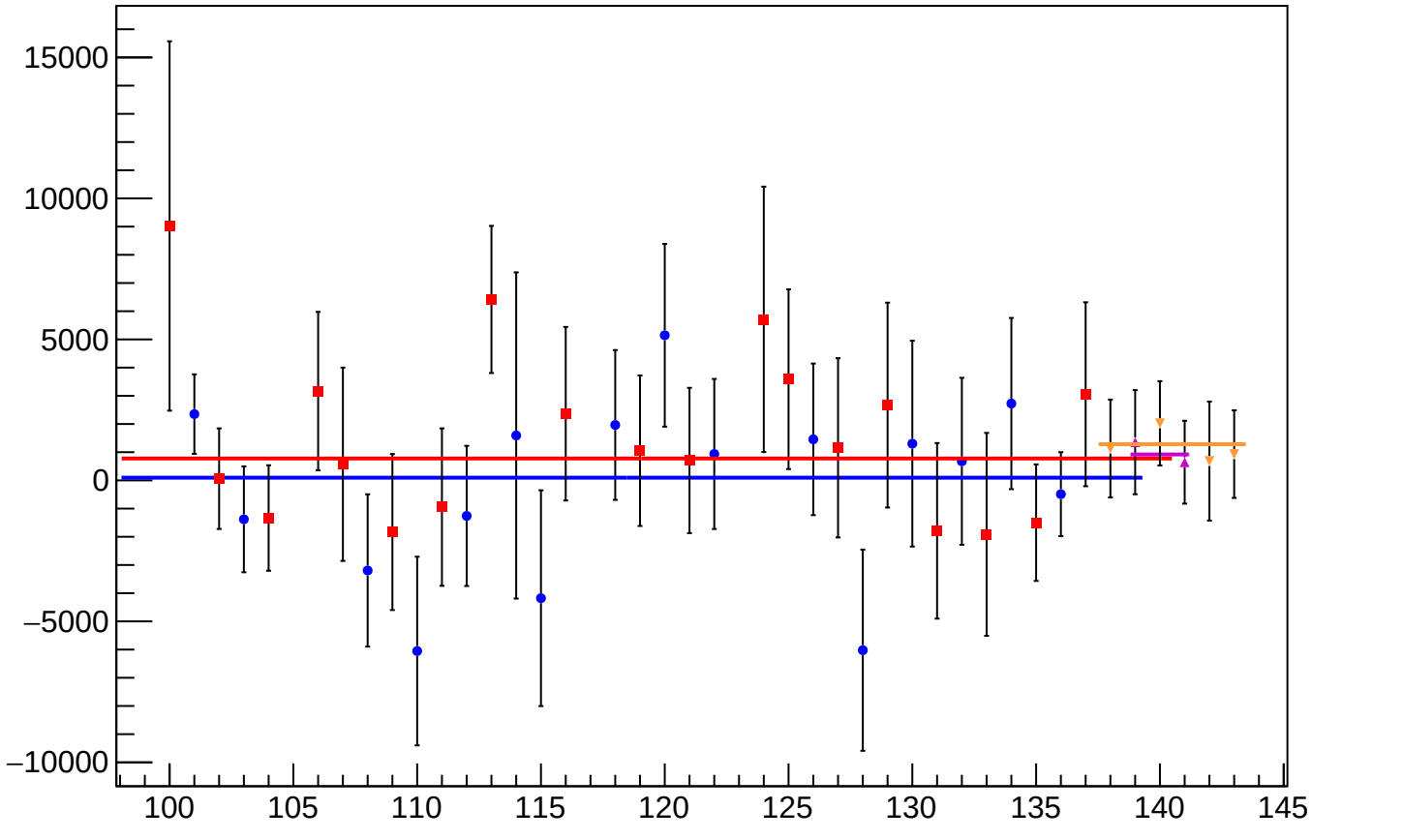
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

+ sign 1105.974+/-0.246 χ^2/NDF: 13736.1/19

All: 1106.649+/-0.178 χ^2/NDF: 22454.3/40

- sign 1107.390+/-0.257 χ^2/NDF: 8702.4/20



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

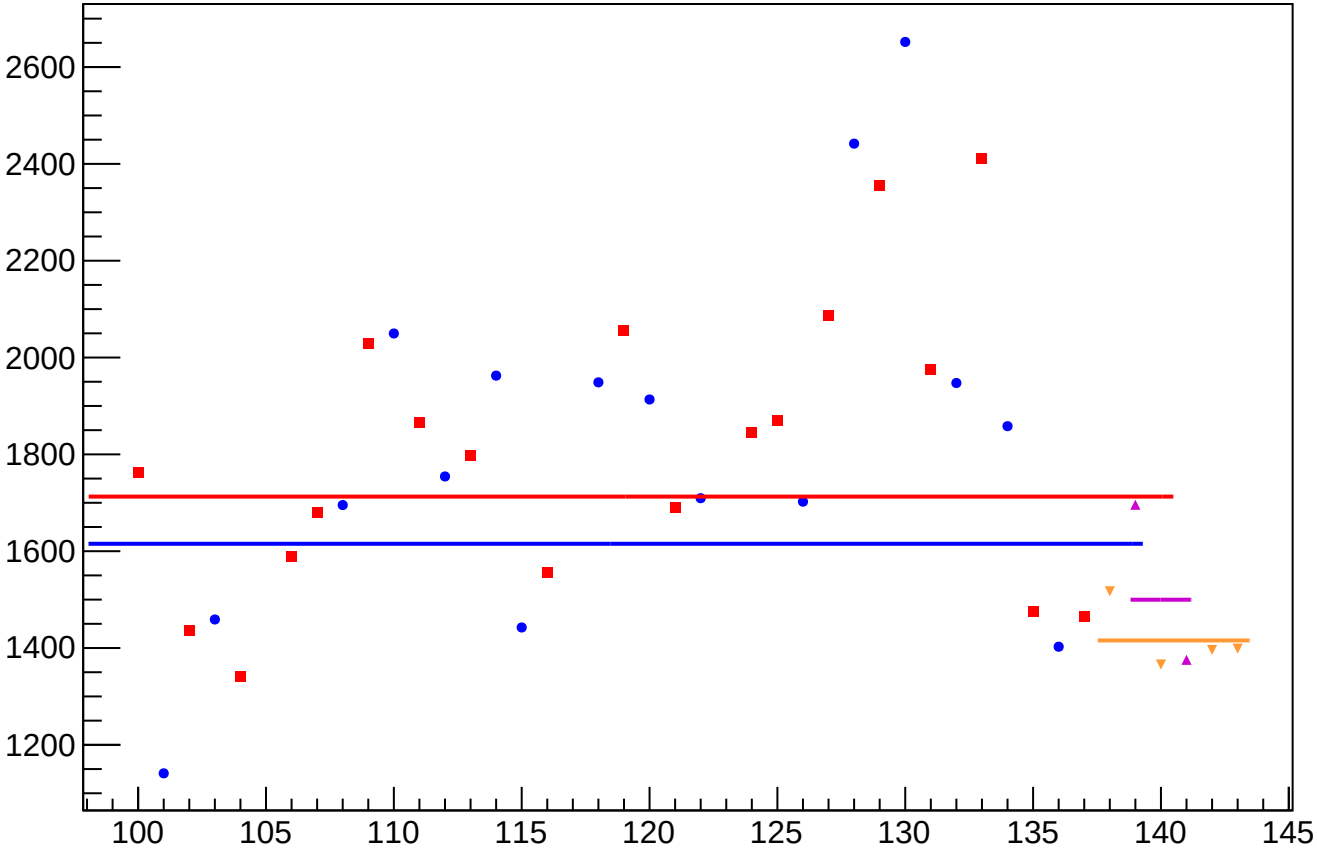
Left In: 919.839+/-1149.918 χ^2/NDF:0.1/1

\+ sign 513.433+/-497.796 χ^2/NDF: 18.6/19

All: 645.309+/-371.225 χ^2/NDF: 33.9/40

\- sign 810.534+/-557.194 χ^2/NDF: 15.2/20

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

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

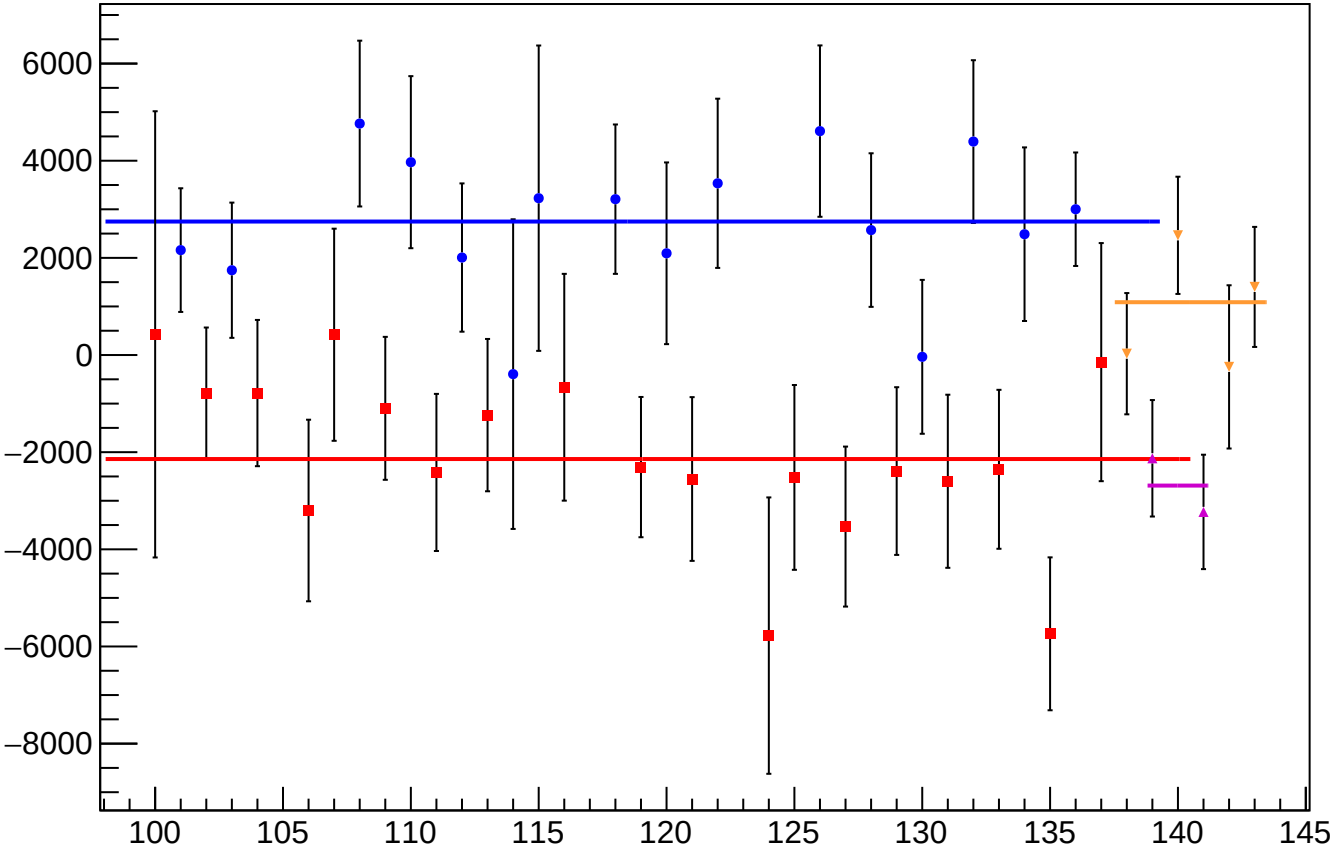
Left In: 1499.810+/-0.813 χ^2/NDF:36835.3/1

+ sign 1545.161+/-0.352 χ^2/NDF: 776421.7/19

All: 1597.374+/-0.262 χ^2/NDF: 1343396.2/40

- sign 1662.791+/-0.394 χ^2/NDF: 517403.9/20

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1087.389+/-654.059 χ^2/NDF:2.7/3

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

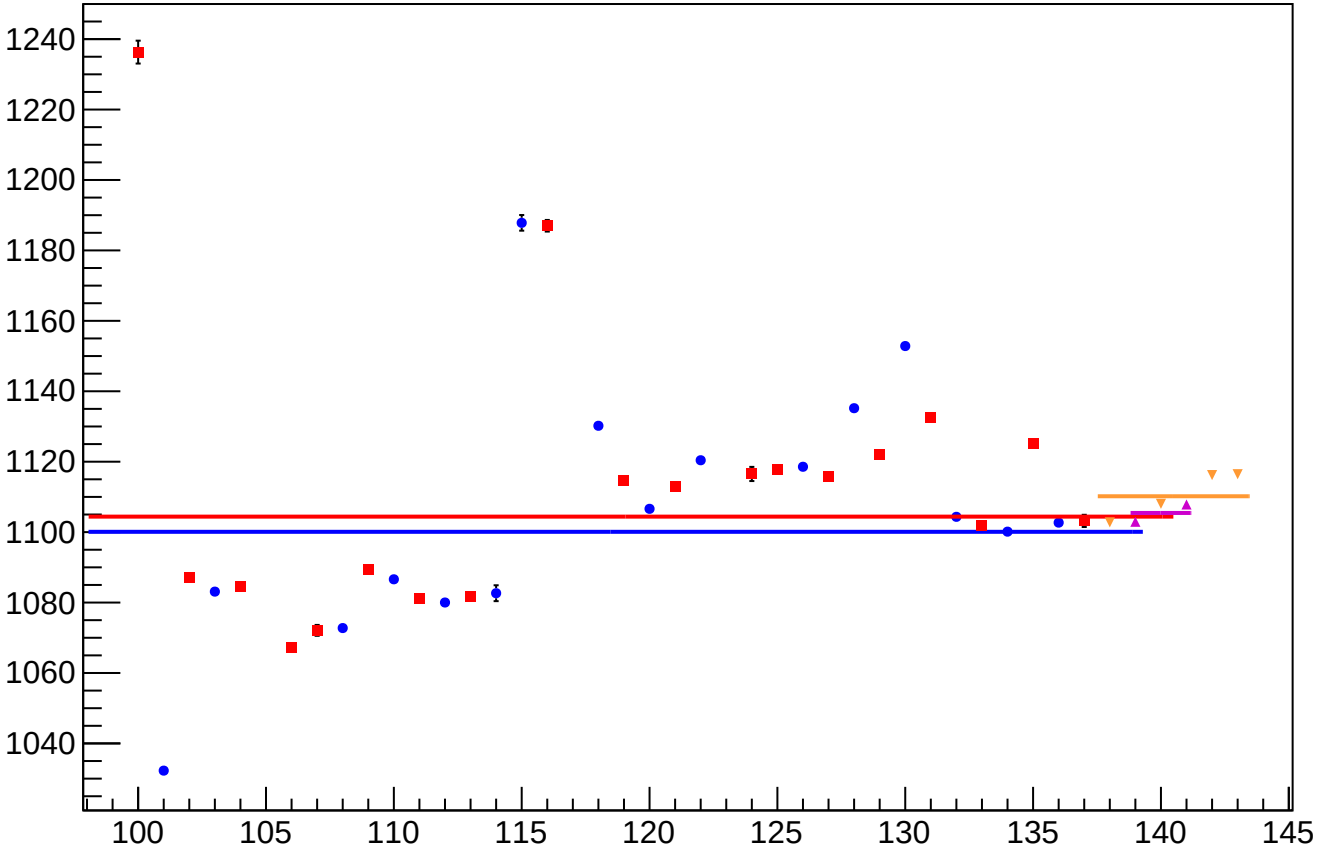
Left In: -2687.651+/-840.058 χ^2/NDF:0.4/1

+ sign 2281.538+/-346.634 χ^2/NDF: 16.9/19

All: 124.635+/-250.758 χ^2/NDF: 112.4/40

- sign -2243.320+/-363.197 χ^2/NDF: 14.3/20

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1110.186+/-0.462 χ^2/NDF:153.7/3

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

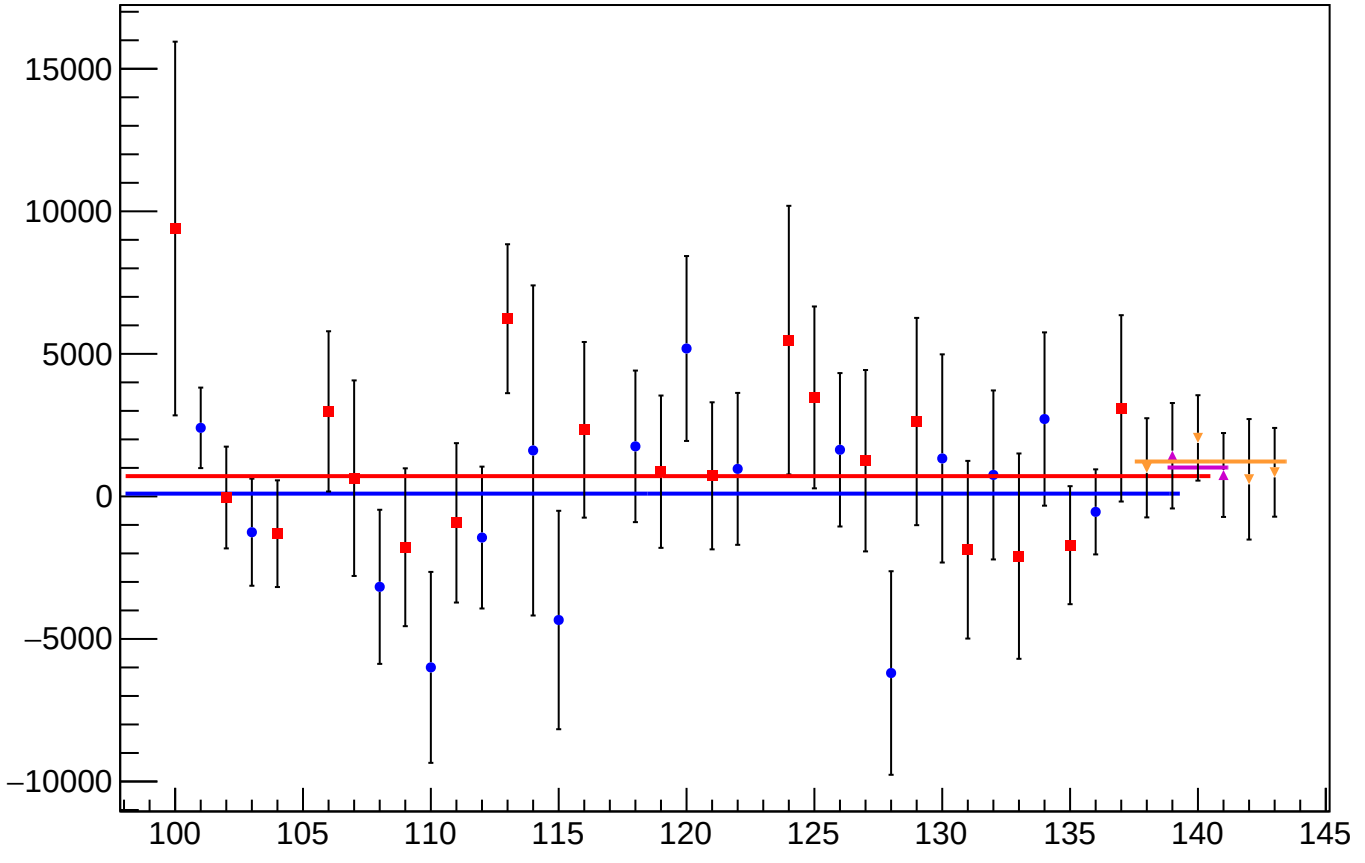
Left In: 1105.443+/-0.594 χ^2/NDF:17.0/1

+ sign 1102.926+/-0.245 χ^2/NDF: 13573.6/19

All: 1103.723+/-0.177 χ^2/NDF: 22158.8/40

- sign 1104.597+/-0.257 χ^2/NDF: 8563.1/20

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1224.047+/-841.378 χ^2/NDF:0.5/3

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

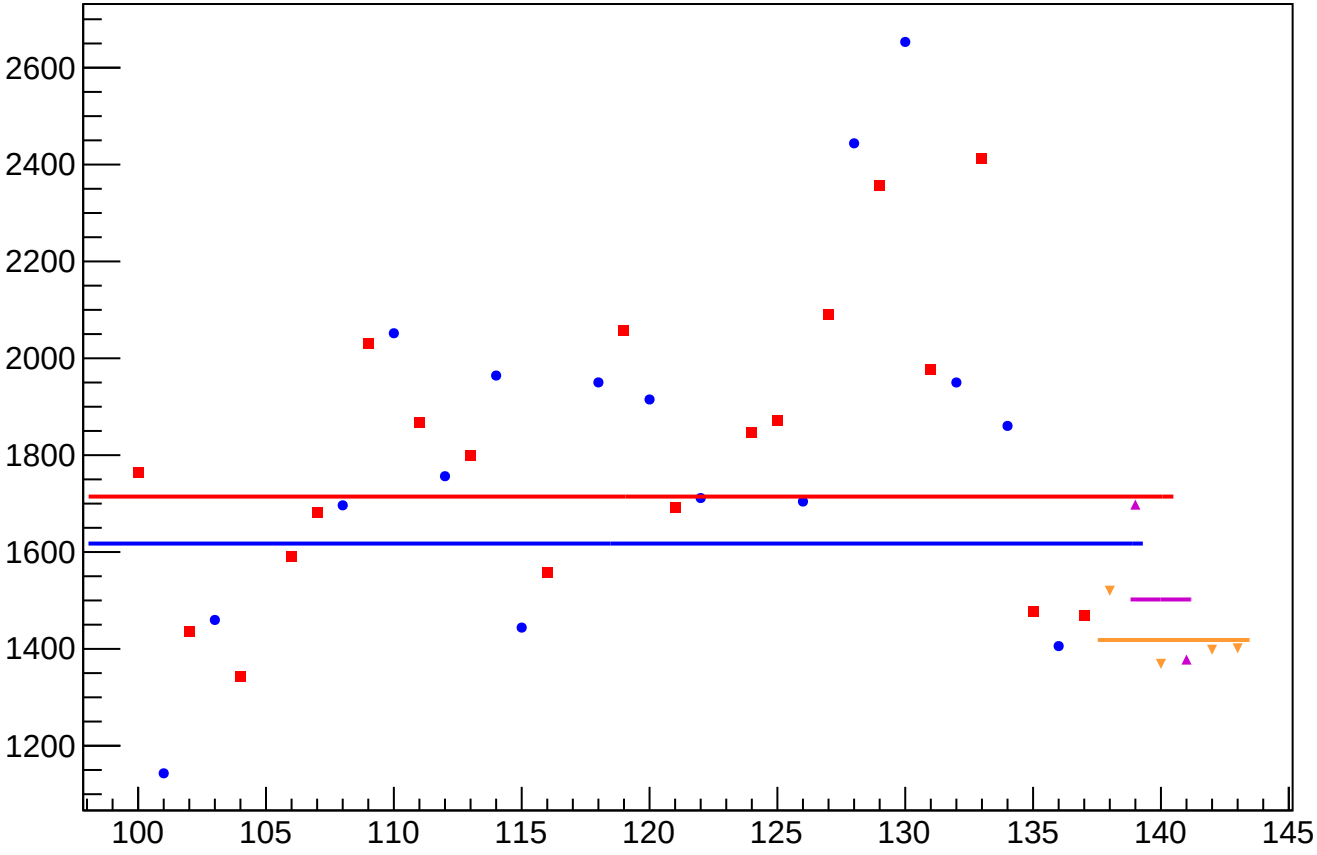
Left In: 1013.120+/-1151.594 χ^2/NDF:0.1/1

+ sign 492.972+/-498.537 χ^2/NDF: 18.9/19

All: 621.367+/-371.712 χ^2/NDF: 34.1/40

- sign 782.102+/-557.801 χ^2/NDF: 15.1/20

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1418.405+/-0.595 χ^2/NDF:9424.0/3

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

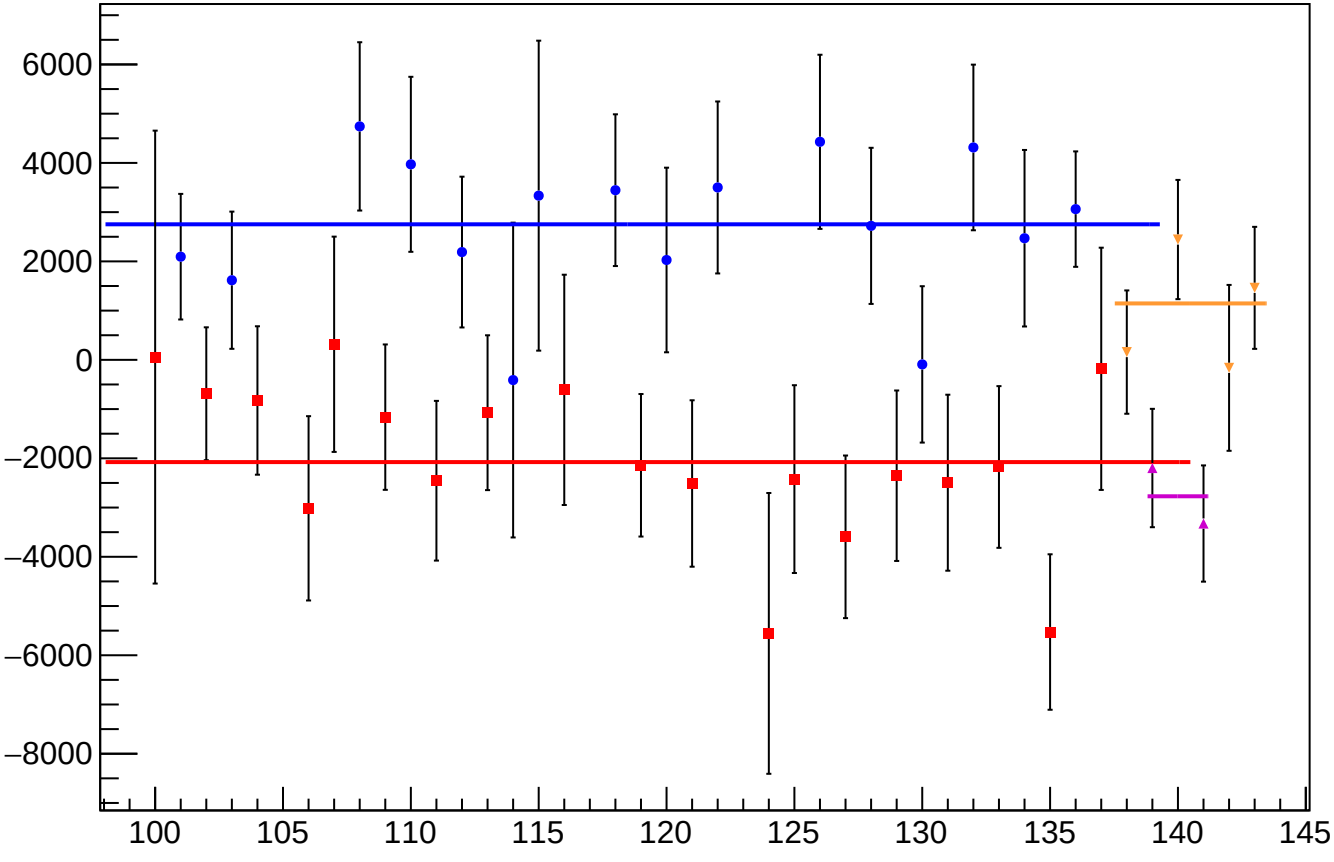
Left In: 1502.048+/-0.814 χ^2/NDF:36648.5/1

+ sign 1547.595+/-0.353 χ^2/NDF: 773812.8/19

All: 1599.581+/-0.263 χ^2/NDF: 1339246.7/40

- sign 1664.661+/-0.394 χ^2/NDF: 516461.4/20

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

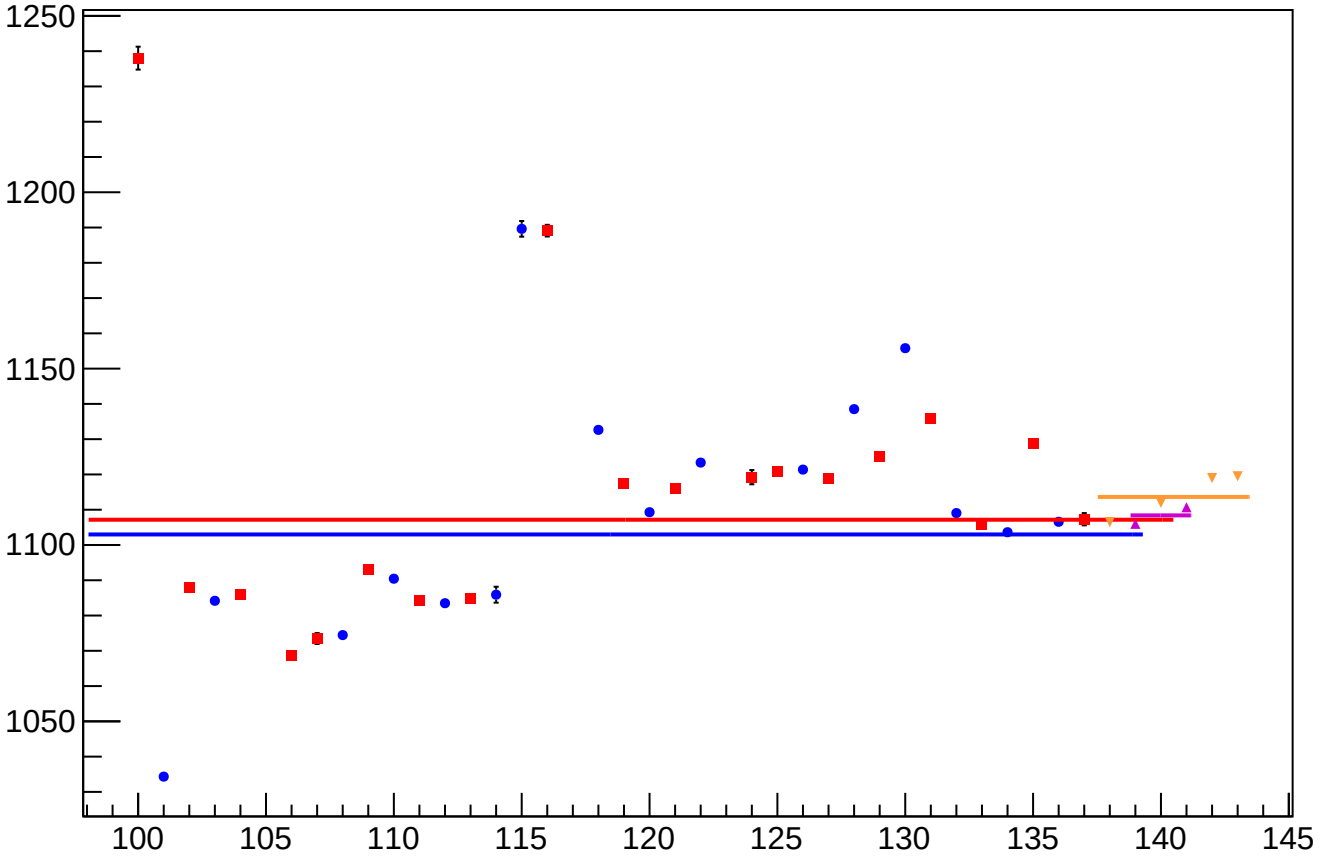
Left In: -2771.020+/-842.300 χ^2/NDF:0.4/1

+ sign 2302.020+/-347.593 χ^2/NDF: 16.3/19

All: 152.490+/-251.424 χ^2/NDF: 110.0/40

- sign -2206.264+/-364.117 χ^2/NDF: 13.5/20

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

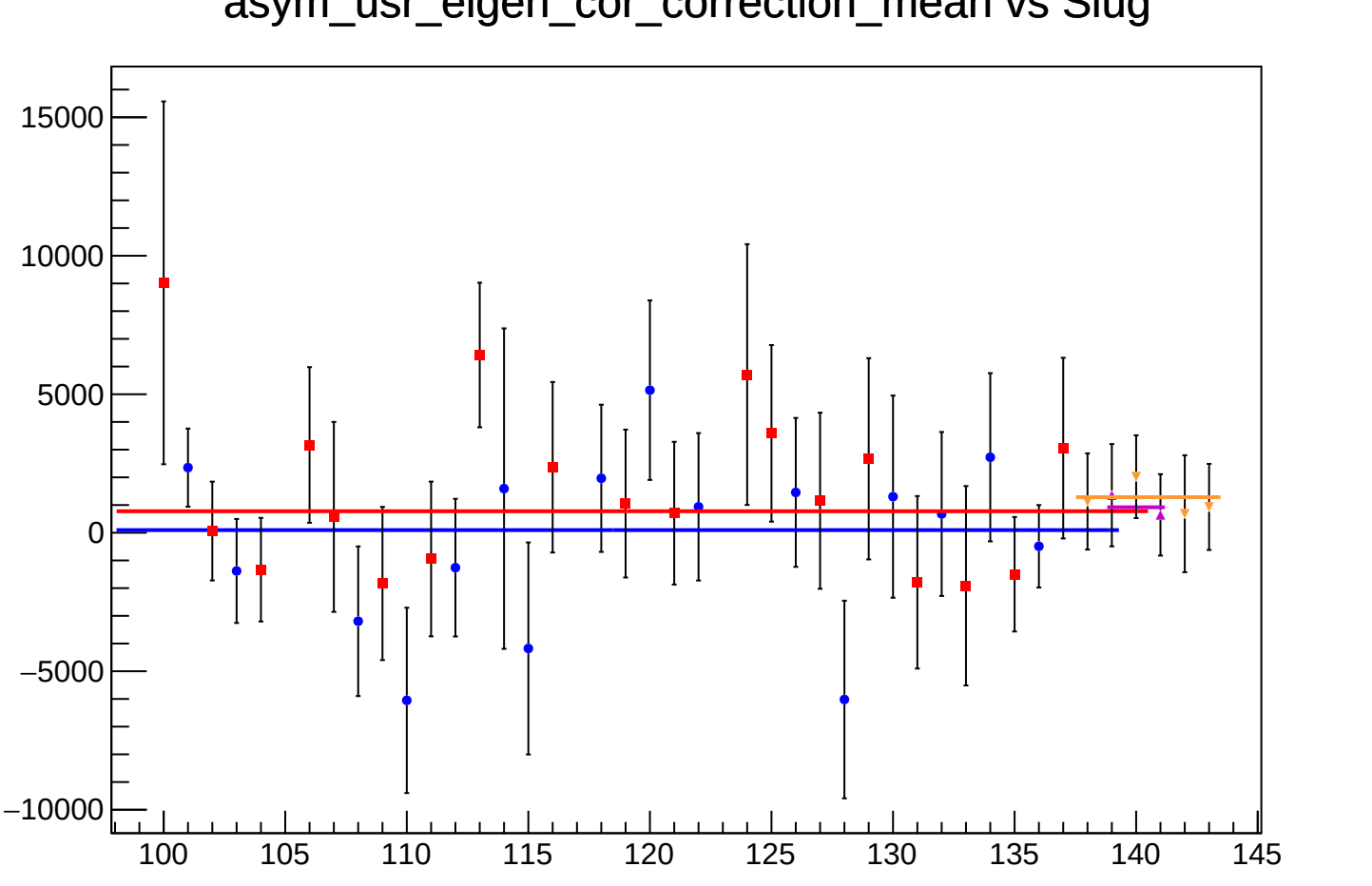
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

+ sign 1105.974+/-0.246 χ^2/NDF: 13736.1/19

All: 1106.649+/-0.178 χ^2/NDF: 22454.3/40

- sign 1107.390+/-0.257 χ^2/NDF: 8702.4/20



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

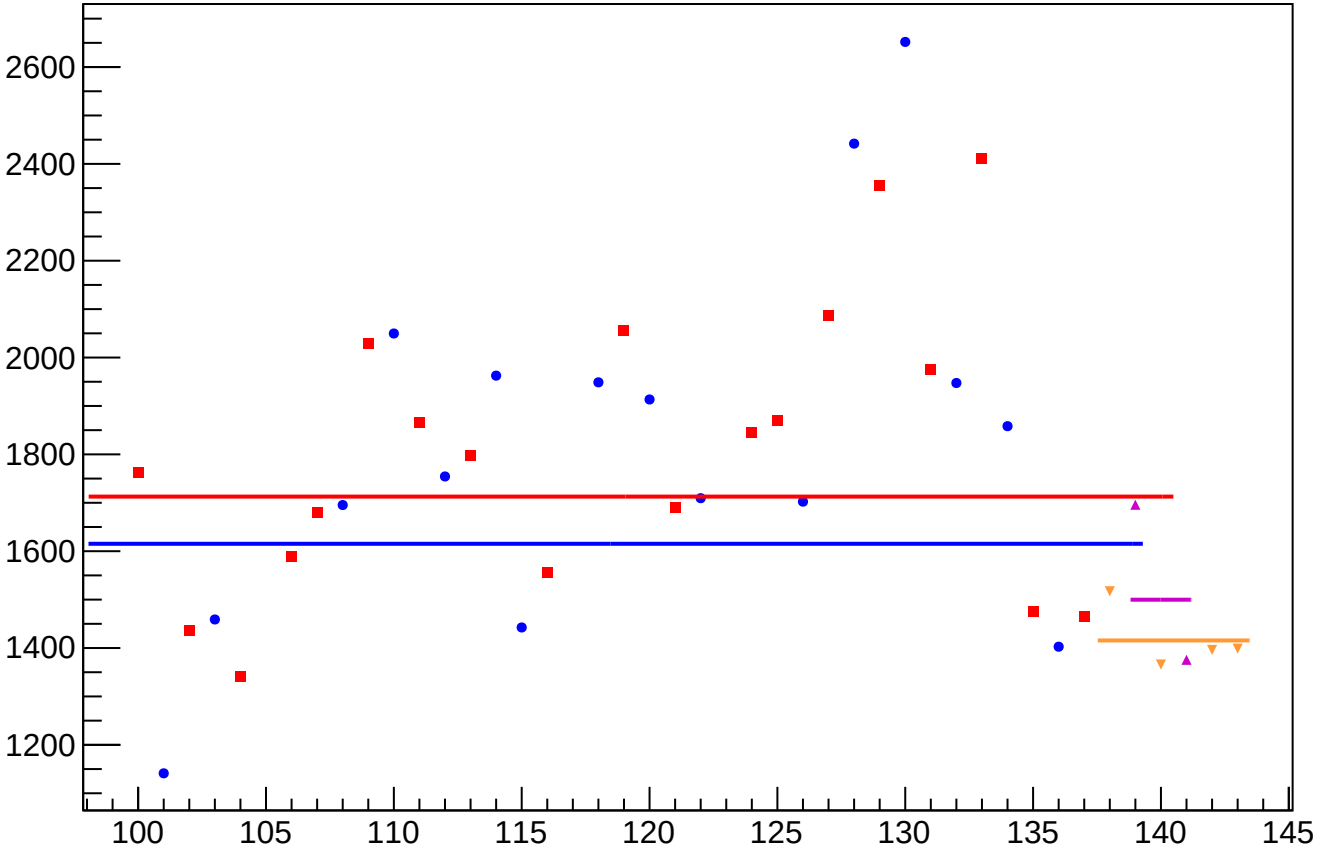
Left In: 919.839+/-1149.918 χ^2/NDF:0.1/1

\+ sign 513.433+/-497.796 χ^2/NDF: 18.6/19

All: 645.309+/-371.225 χ^2/NDF: 33.9/40

\- sign 810.534+/-557.194 χ^2/NDF: 15.2/20

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

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

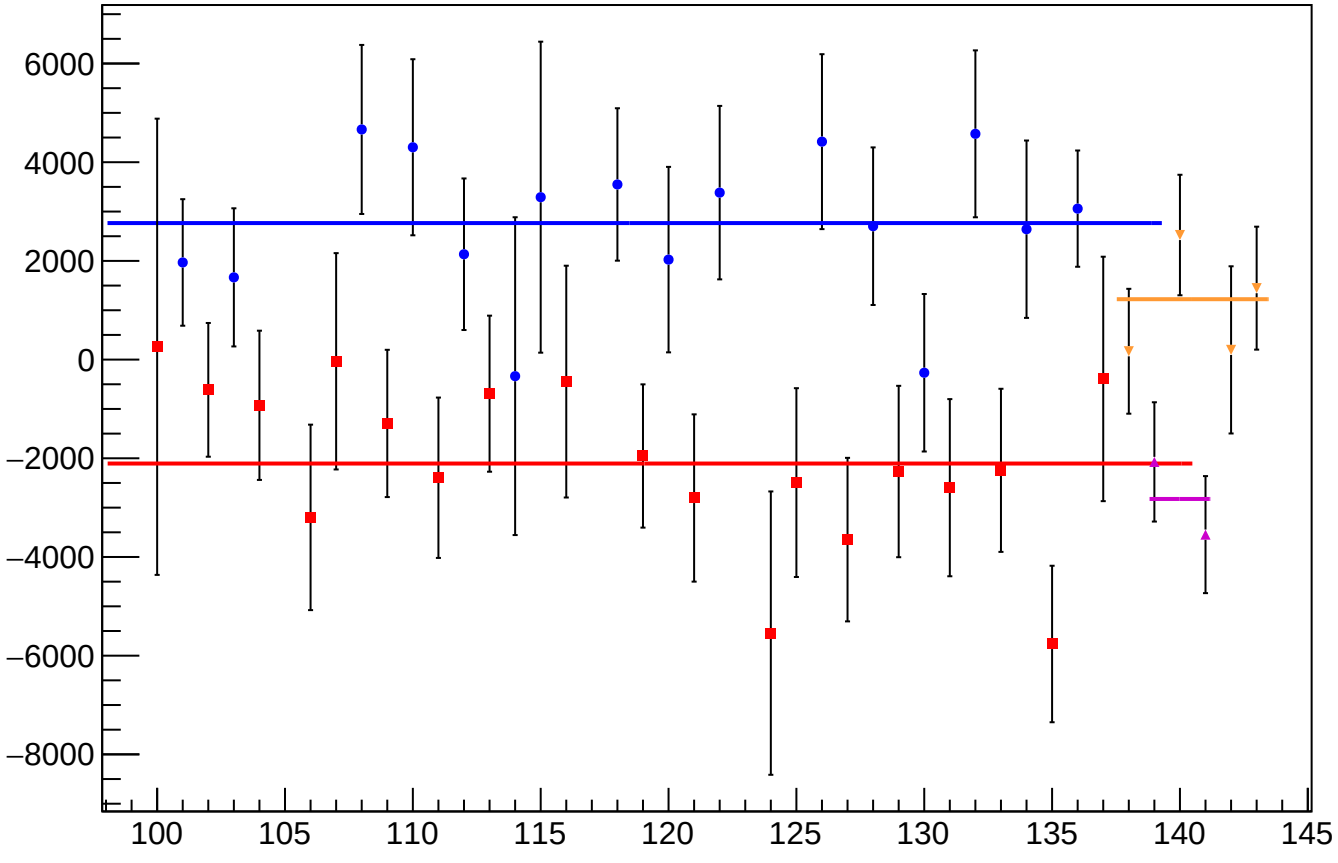
Left In: 1499.810+/-0.813 χ^2/NDF:36835.3/1

+ sign 1545.161+/-0.352 χ^2/NDF: 776421.7/19

All: 1597.374+/-0.262 χ^2/NDF: 1343396.2/40

- sign 1662.791+/-0.394 χ^2/NDF: 517403.9/20

dit_asym_usr_mean vs Slug



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1223.860+/-661.079 χ^2/NDF:2.2/3

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

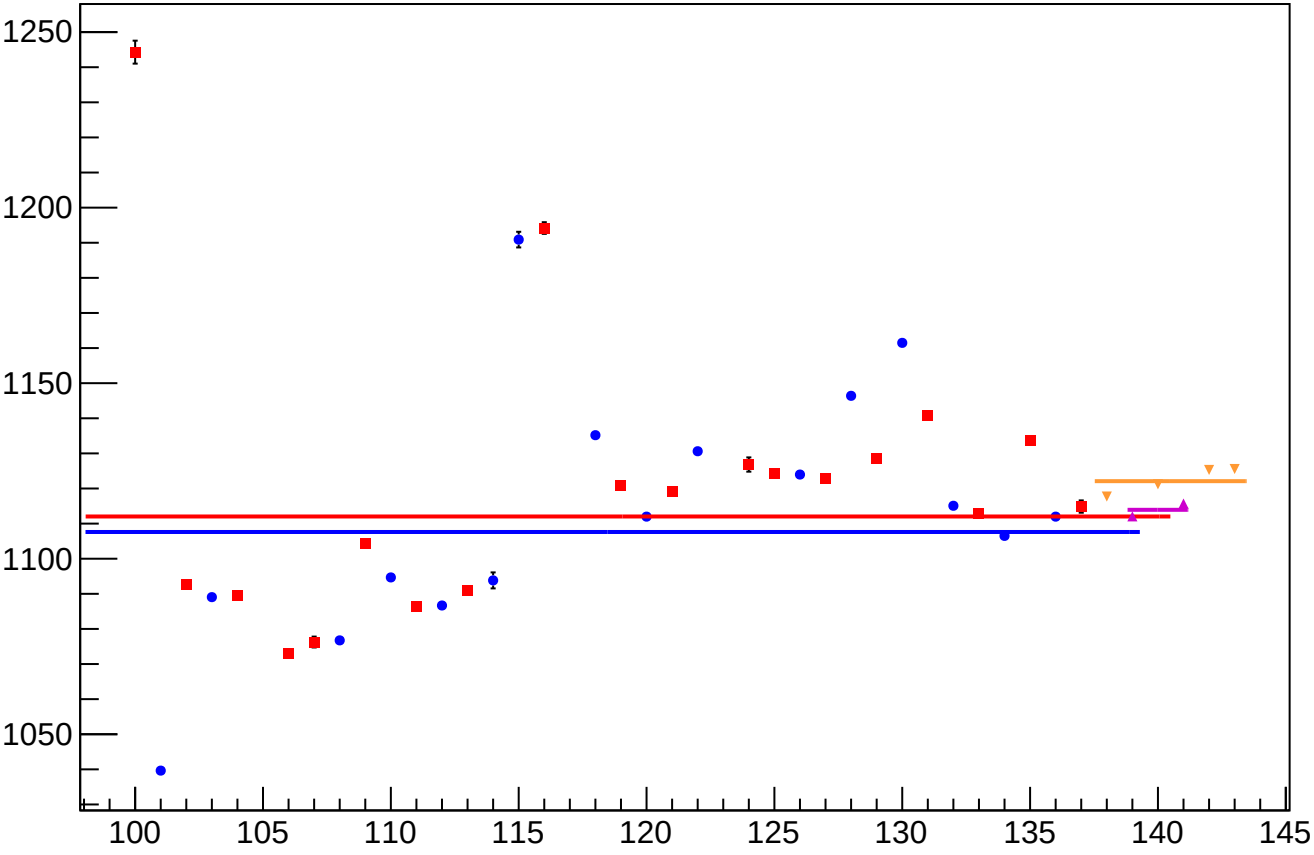
Left In: -2824.237+/-846.546 χ^2/NDF:0.8/1

+ sign 2335.718+/-349.387 χ^2/NDF: 16.5/19

All: 152.461+/-252.648 χ^2/NDF: 113.0/40

- sign -2240.379+/-365.772 χ^2/NDF: 14.7/20

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1122.090+/-0.467 χ^2/NDF:47.6/3

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

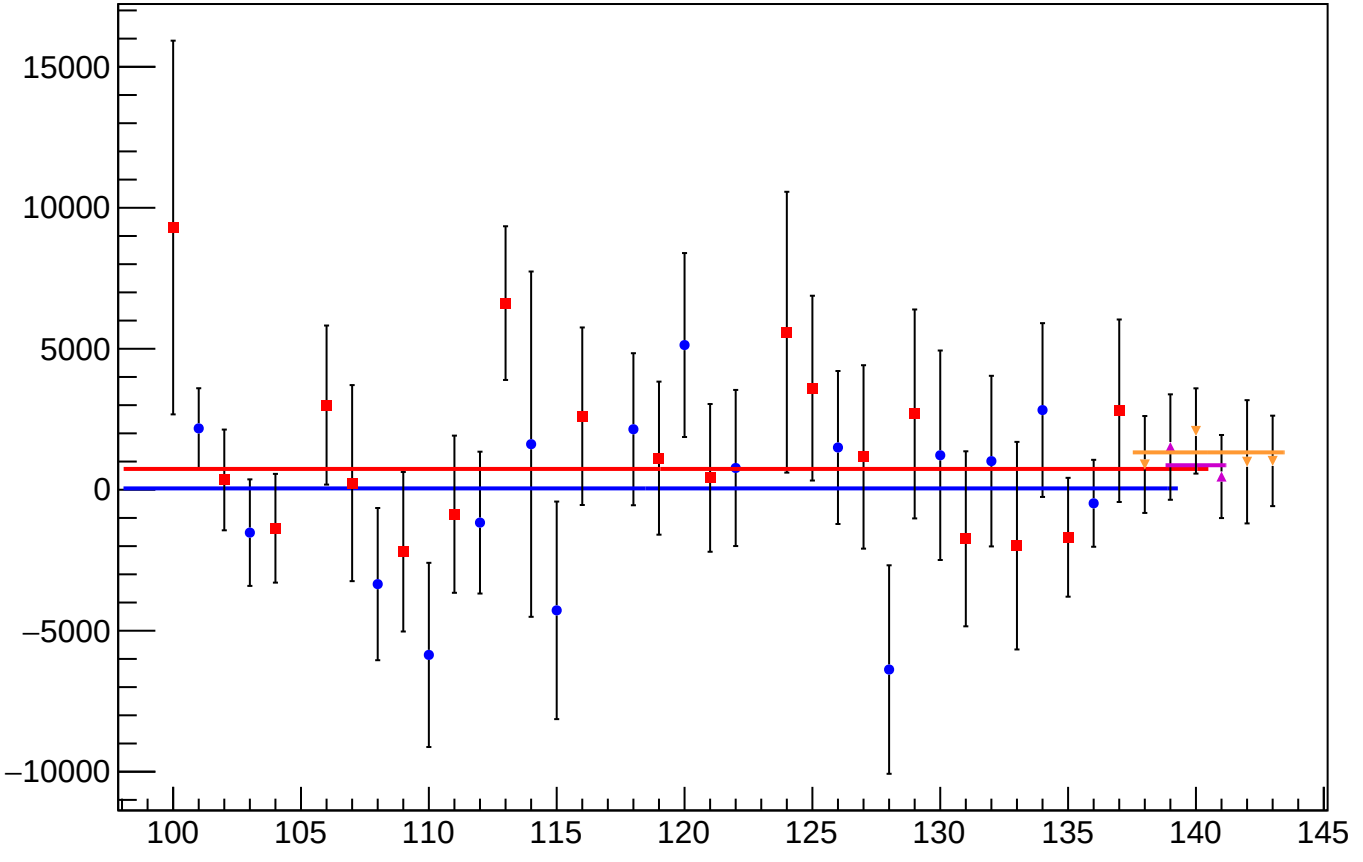
Left In: 1113.927+/-0.599 χ^2/NDF:9.3/1

+ sign 1111.657+/-0.247 χ^2/NDF: 13959.6/19

All: 1112.004+/-0.179 χ^2/NDF: 22634.7/40

- sign 1112.384+/-0.259 χ^2/NDF: 8671.0/20

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1324.959+/-853.222 χ^2/NDF:0.4/3

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

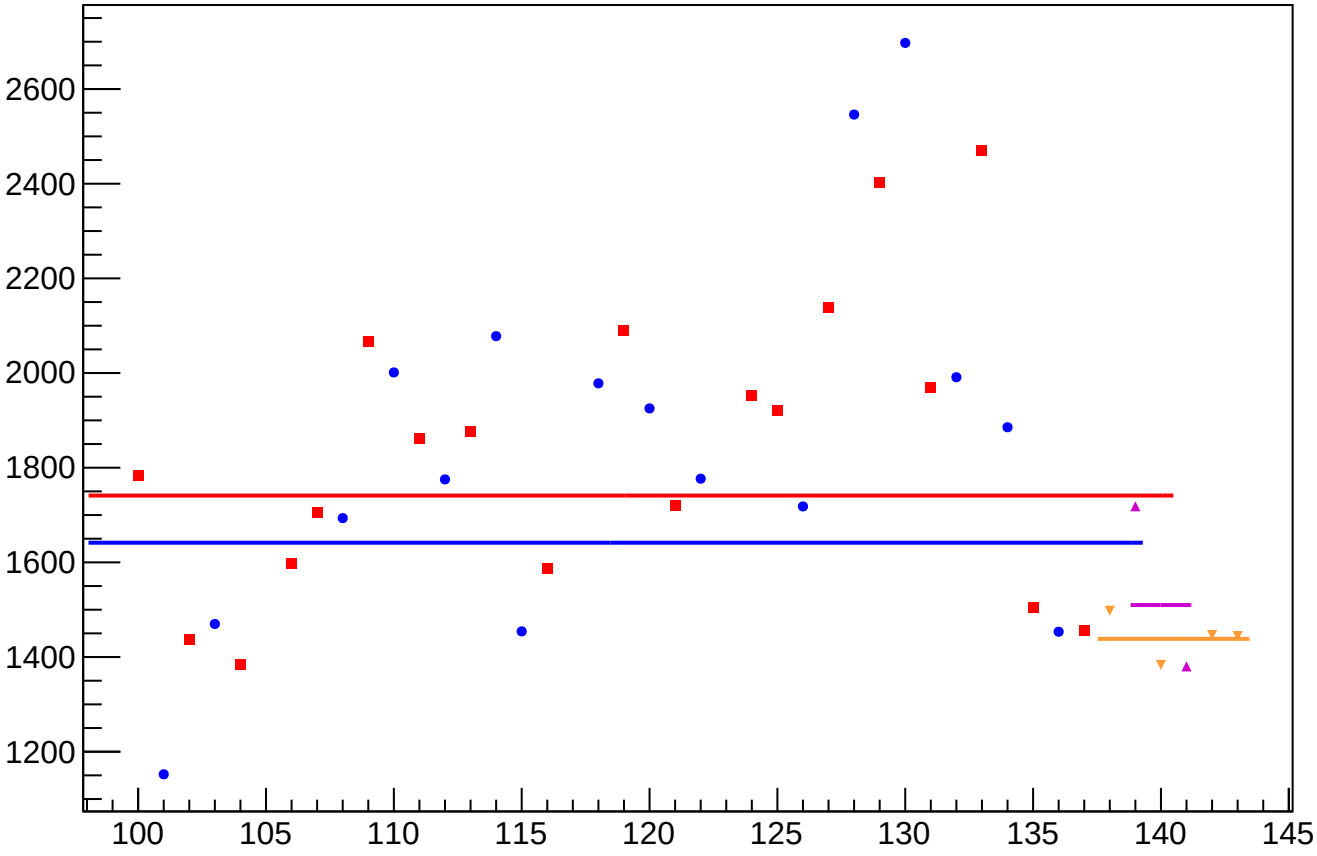
Left In: 869.279+/-1157.254 χ^2/NDF:0.2/1

+ sign 496.641+/-505.802 χ^2/NDF: 18.7/19

All: 617.953+/-376.931 χ^2/NDF: 34.0/40

- sign 769.462+/-565.261 χ^2/NDF: 15.2/20

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1438.400+/-0.603 χ^2/NDF:5096.5/3

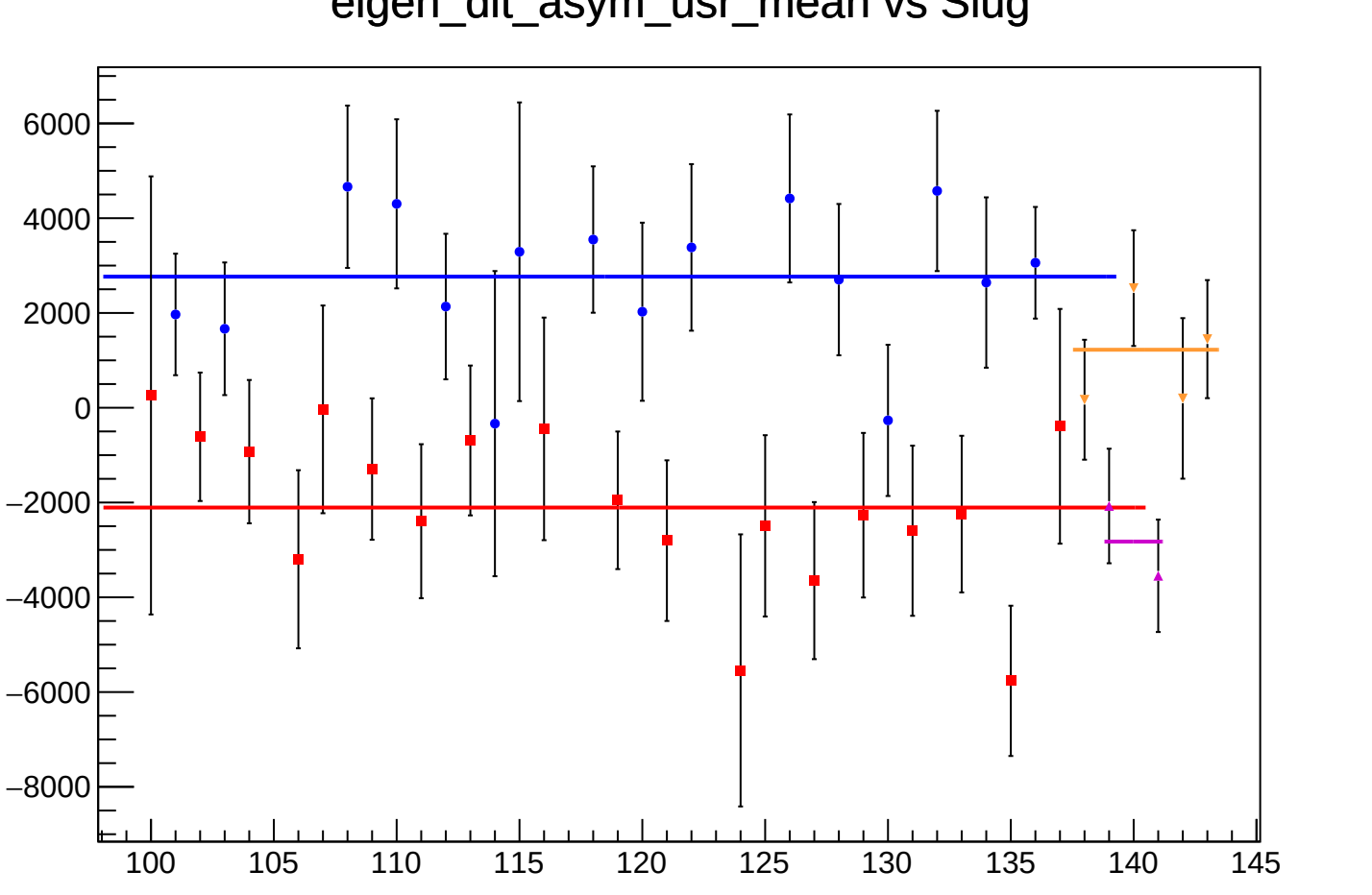
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1509.824+/-0.818 χ^2/NDF:40383.6/1

+ sign 1570.150+/-0.358 χ^2/NDF: 779934.5/19

All: 1621.662+/-0.267 χ^2/NDF: 1366180.6/40

- sign 1685.998+/-0.400 χ^2/NDF: 539594.0/20



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1223.860+/-661.079 χ^2/NDF:2.2/3

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

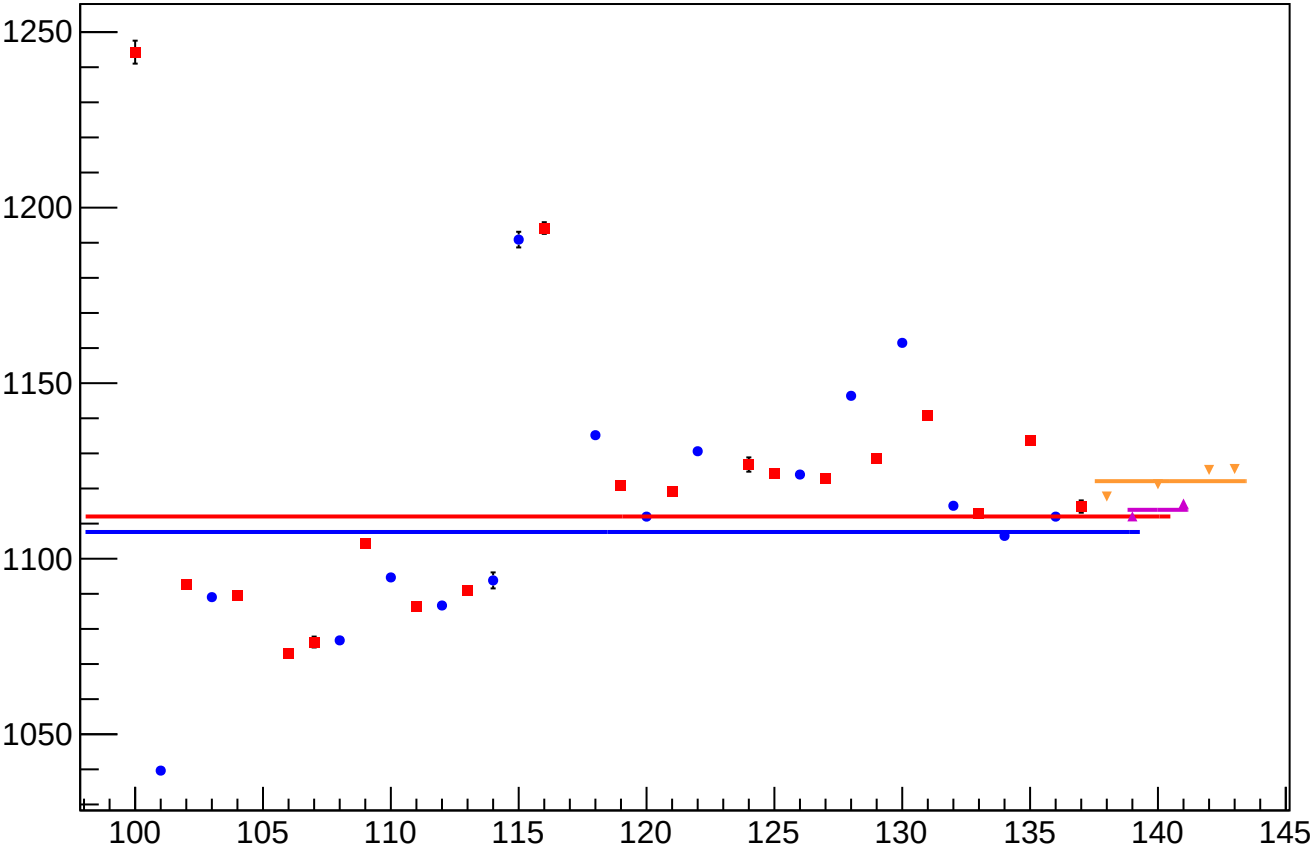
Left In: -2824.231+/-846.546 χ^2/NDF:0.8/1

+ sign 2335.718+/-349.387 χ^2/NDF: 16.5/19

All: 152.460+/-252.648 χ^2/NDF: 113.0/40

- sign -2240.379+/-365.772 χ^2/NDF: 14.7/20

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1122.090+/-0.467 χ^2/NDF:47.6/3

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

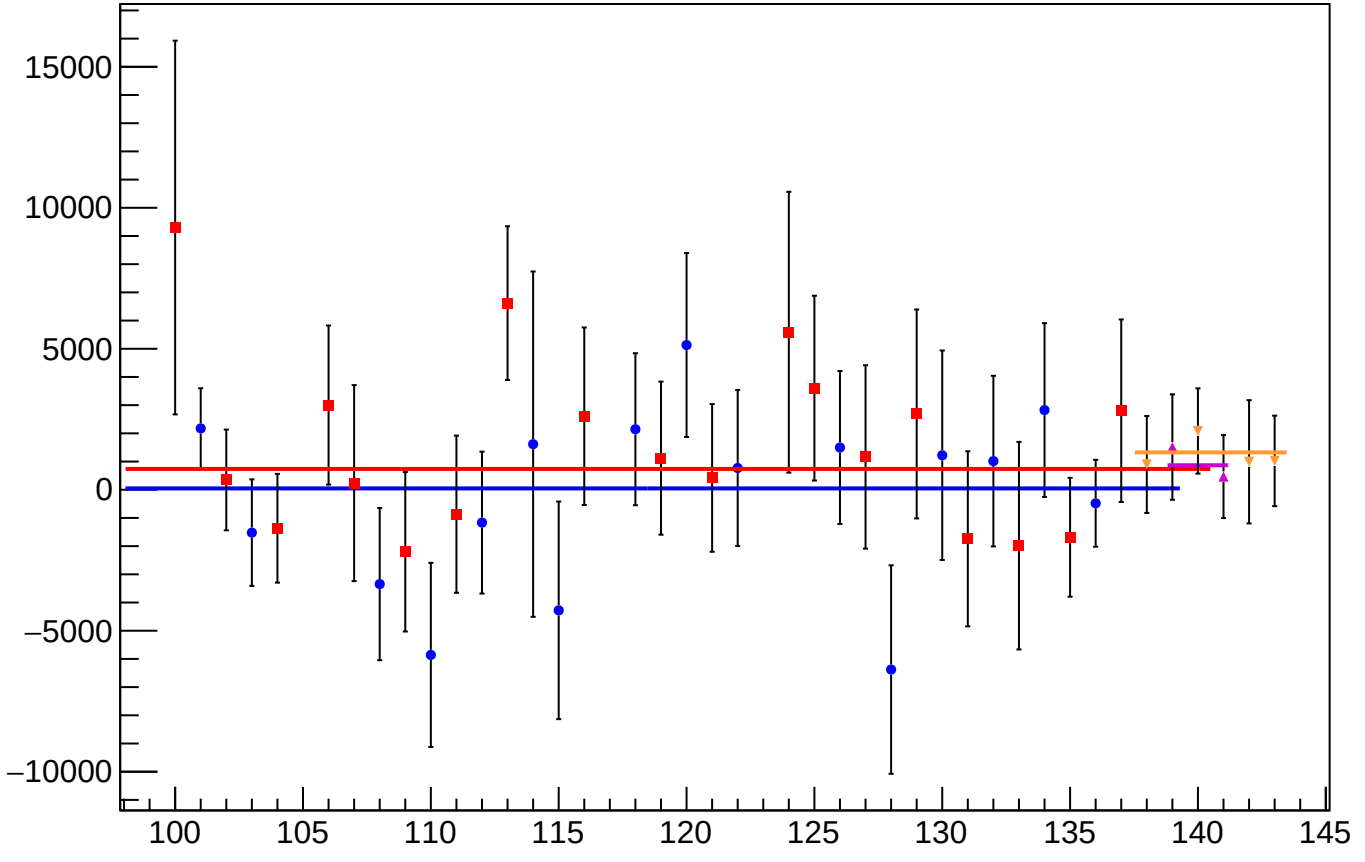
Left In: 1113.927+/-0.599 χ^2/NDF:9.3/1

+ sign 1111.657+/-0.247 χ^2/NDF: 13959.5/19

All: 1112.004+/-0.179 χ^2/NDF: 22634.6/40

- sign 1112.383+/-0.259 χ^2/NDF: 8671.0/20

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1324.961+/-853.225 χ^2/NDF:0.4/3

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

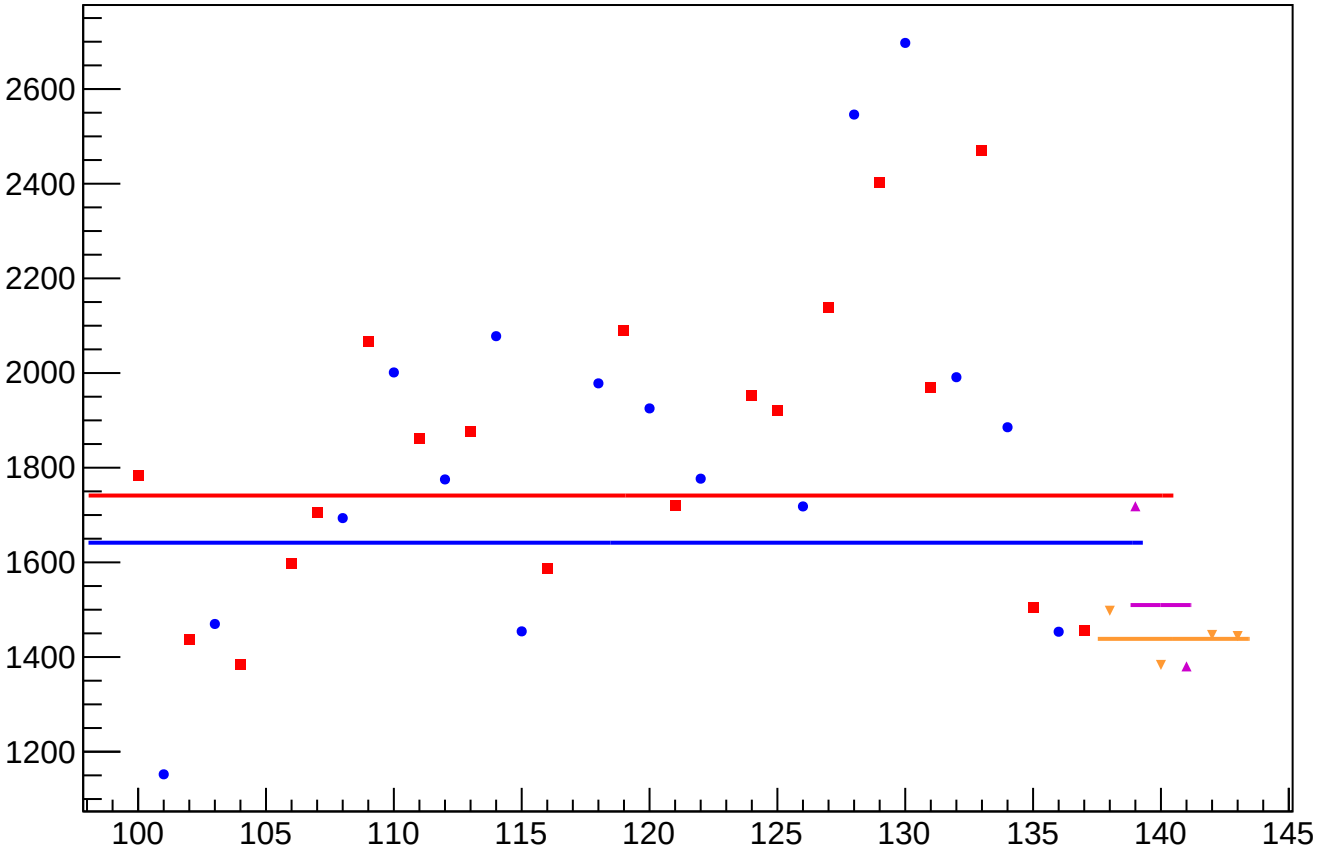
Left In: 869.282+/-1157.257 χ^2/NDF:0.2/1

+ sign 496.636+/-505.802 χ^2/NDF: 18.7/19

All: 617.951+/-376.930 χ^2/NDF: 34.0/40

- sign 769.465+/-565.261 χ^2/NDF: 15.2/20

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1438.404+/-0.603 χ^2/NDF:5096.8/3

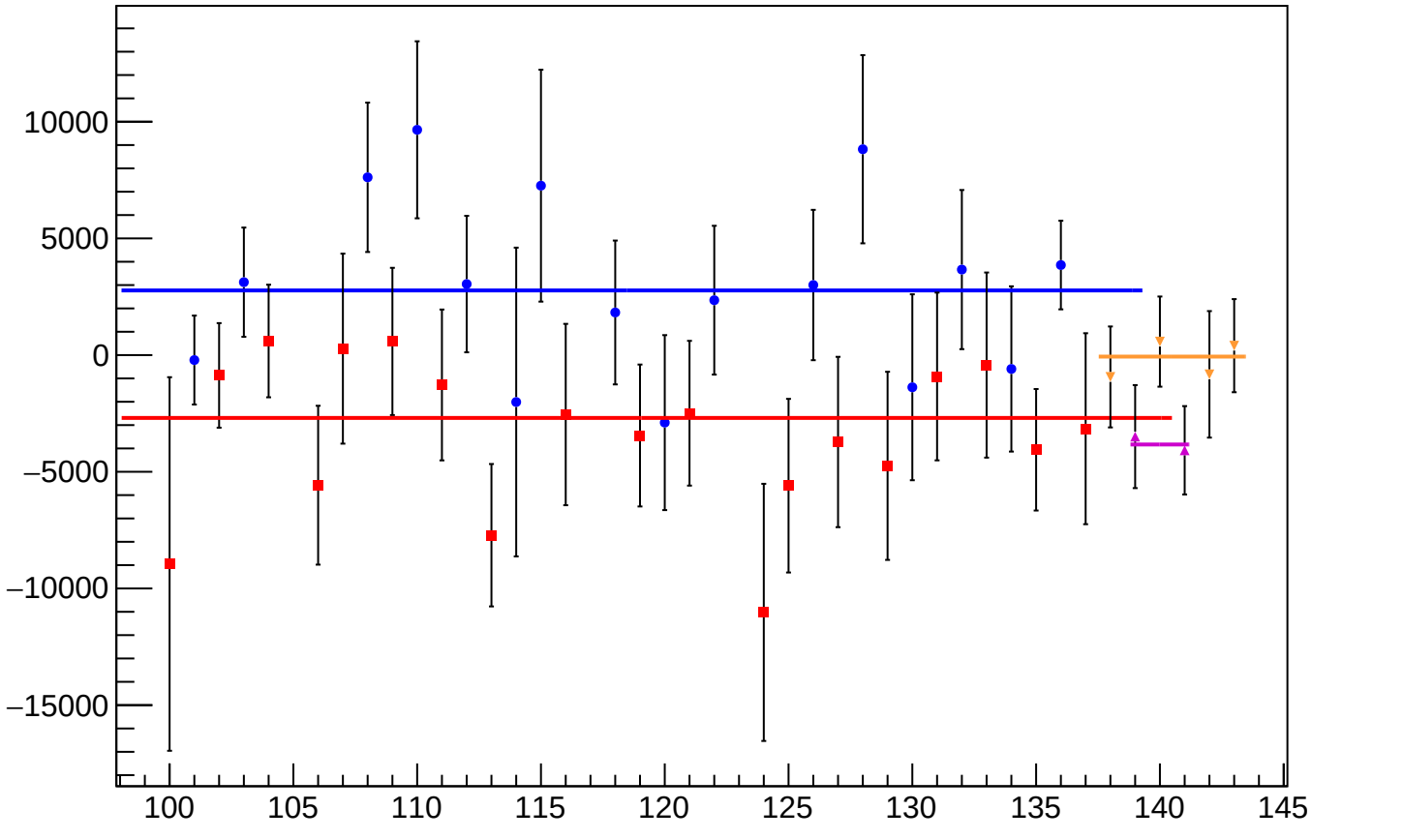
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1509.828+/-0.818 χ^2/NDF:40384.7/1

+ sign 1570.150+/-0.358 χ^2/NDF: 779918.3/19

All: 1621.662+/-0.267 χ^2/NDF: 1366150.1/40

- sign 1685.998+/-0.400 χ^2/NDF: 539579.7/20



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -64.832+/-1072.565 χ^2/NDF:0.4/3

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

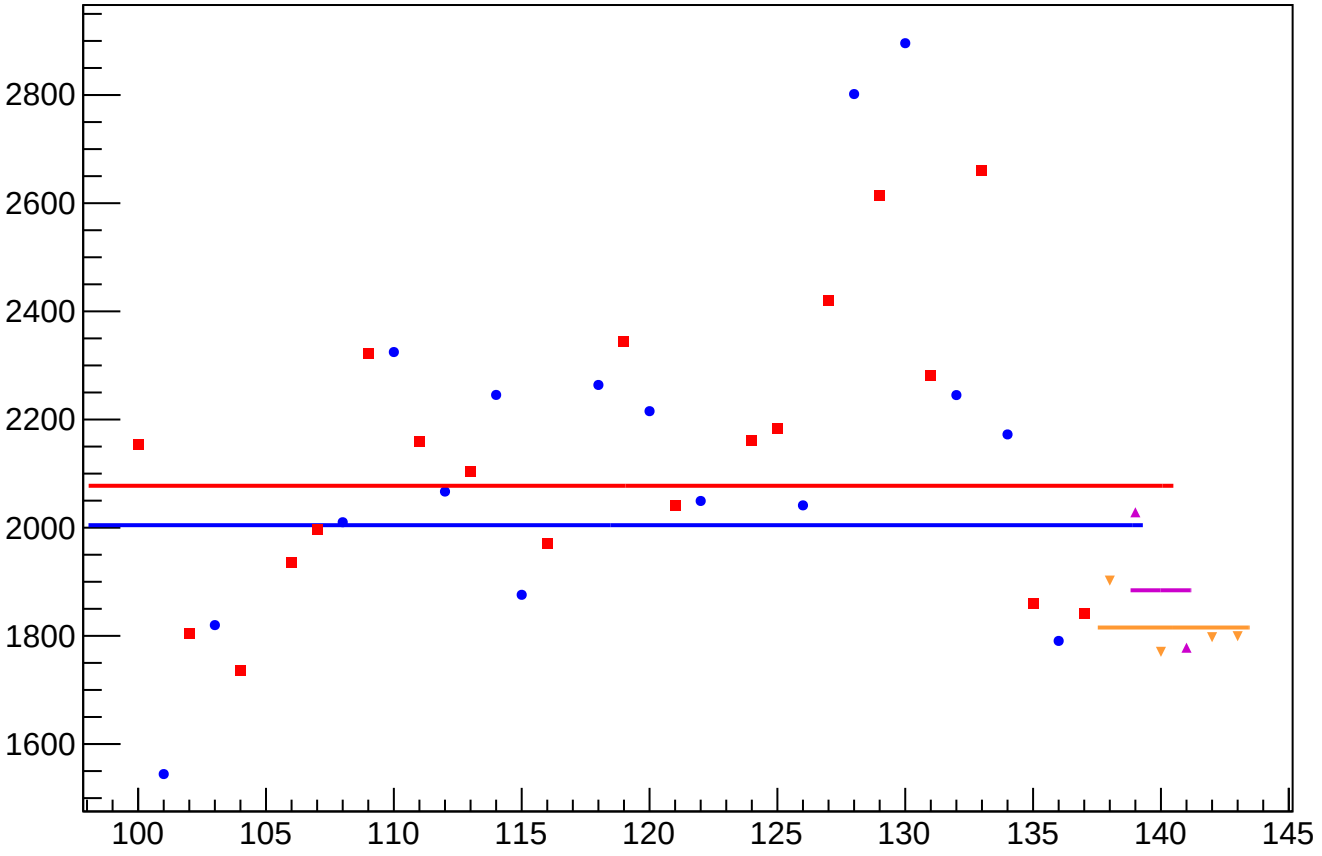
Left In: -3830.829+/-1437.152 χ^2/NDF:0.0/1

+ sign 1827.199+/-618.533 χ^2/NDF: 21.5/19

All: -347.830+/-456.276 χ^2/NDF: 61.7/40

- sign -2944.312+/-675.807 χ^2/NDF: 13.1/20

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1815.419+/-0.758 χ^2/NDF:4518.0/3

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

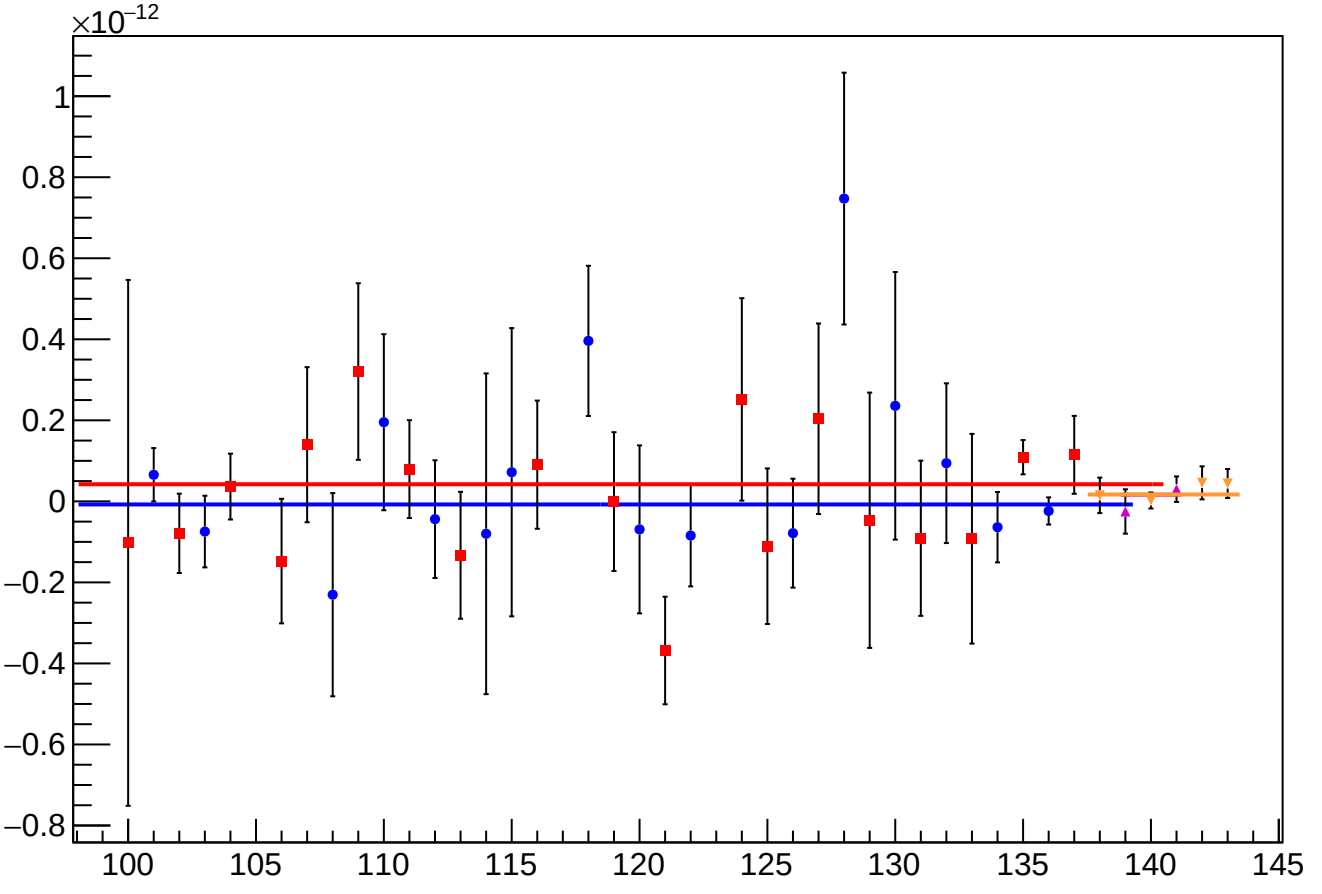
Left In: 1884.264+/-1.016 χ^2/NDF:14823.6/1

+ sign 1941.708+/-0.437 χ^2/NDF: 433629.4/19

All: 1984.129+/-0.323 χ^2/NDF: 727735.2/40

- sign 2034.771+/-0.478 χ^2/NDF: 273468.0/20

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:1.6/3

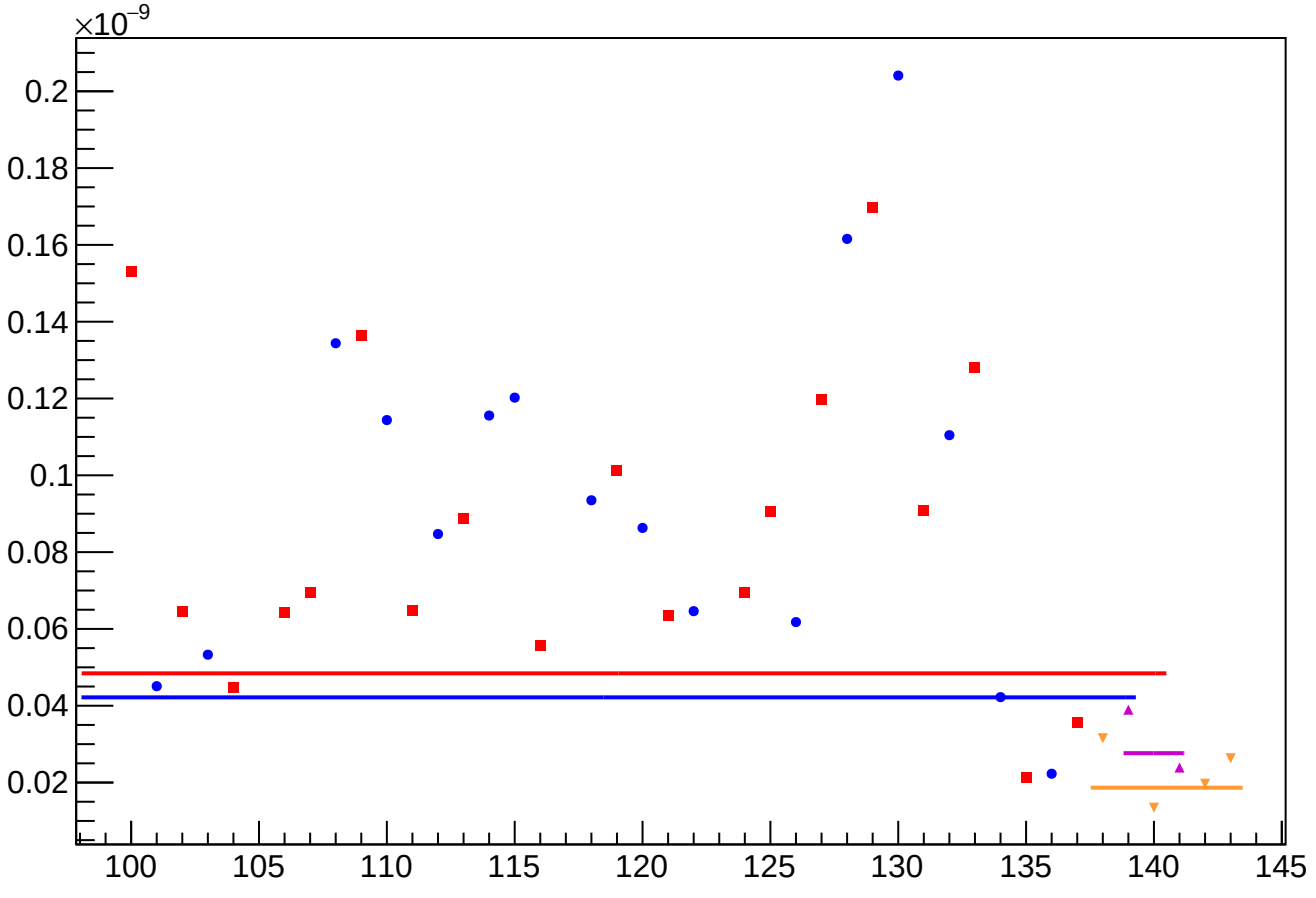
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.8/19

All: 0.000+/-0.000 χ^2/NDF: 42.5/40

- sign 0.000+/-0.000 χ^2/NDF: 23.0/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:404755.0/3

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

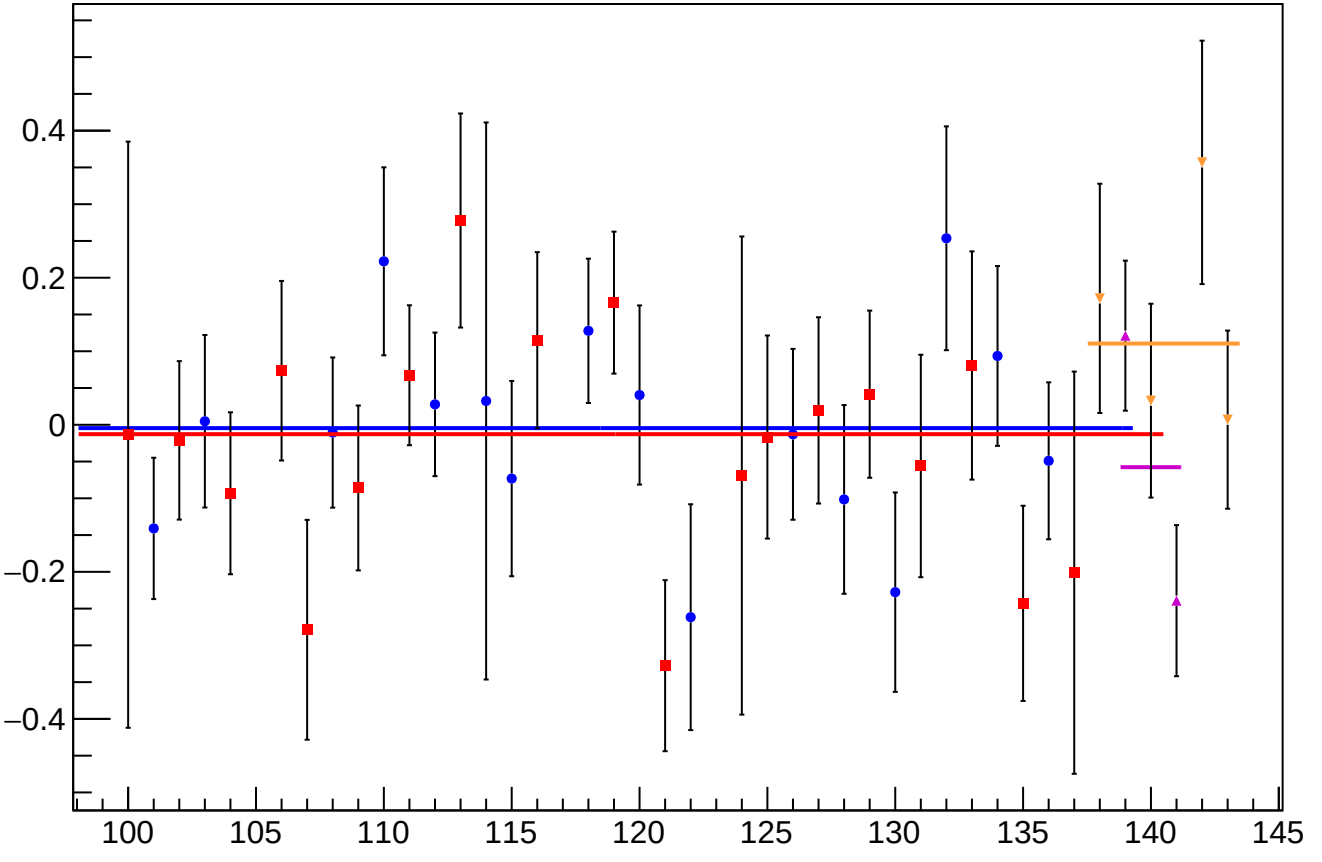
Left In: 0.000+/-0.000 χ^2/NDF:113800.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 4697341.6/19

All: 0.000+/-0.000 χ^2/NDF: 8638496.4/40

- sign 0.000+/-0.000 χ^2/NDF: 3304295.7/20

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

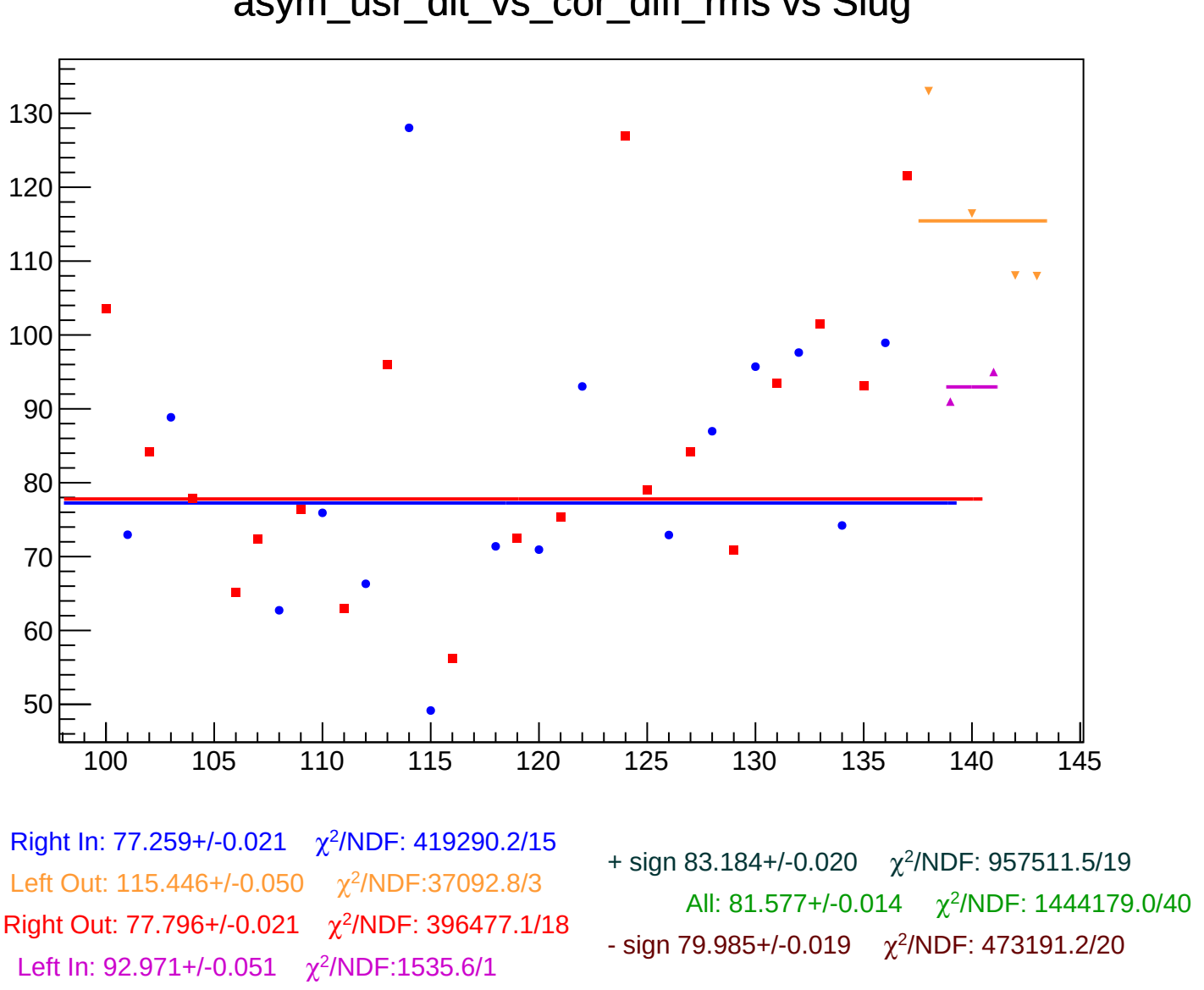
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.058+/-0.072 χ^2/NDF:6.2/1

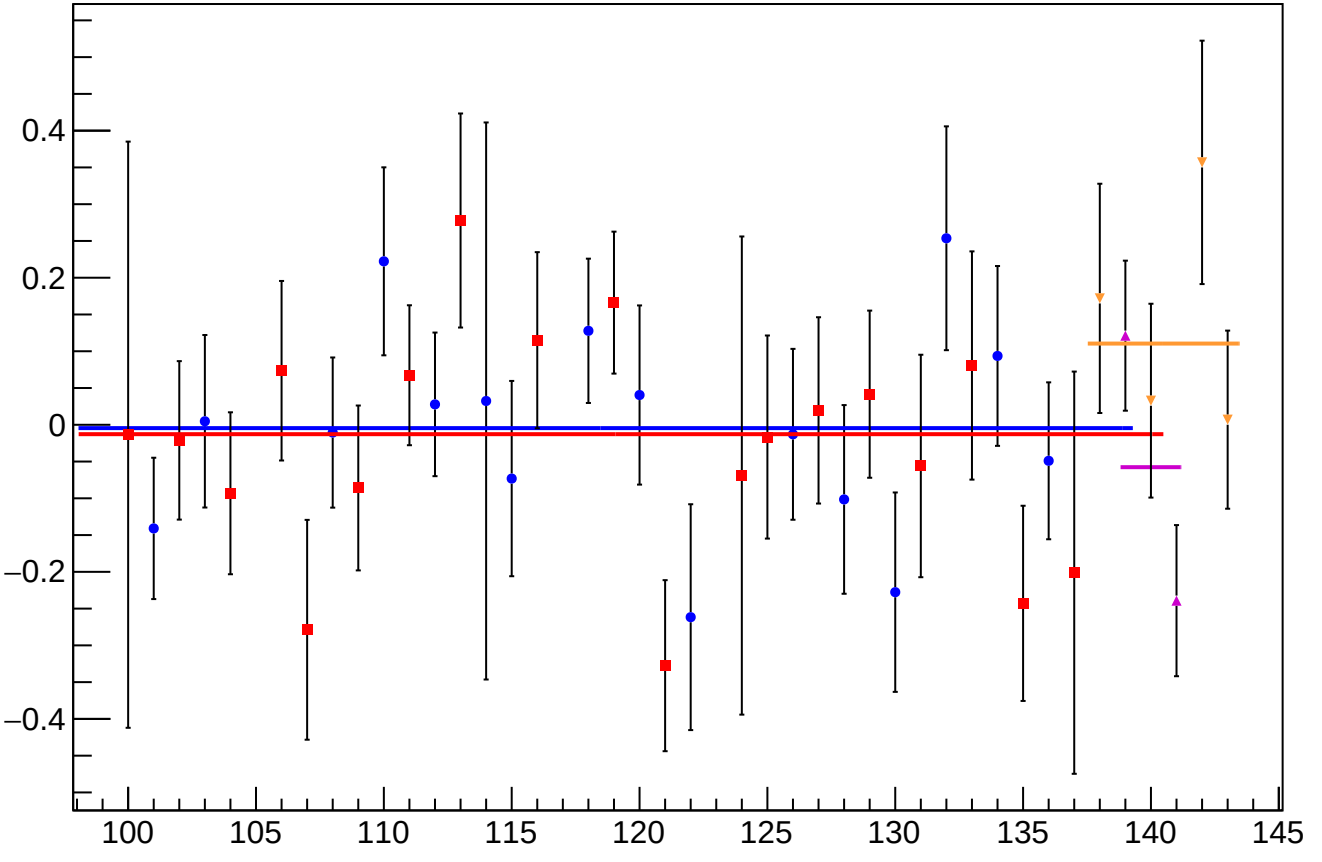
+ sign 0.013+/-0.028 χ^2/NDF: 23.0/19

All: -0.003+/-0.019 χ^2/NDF: 55.7/40

- sign -0.019+/-0.027 χ^2/NDF: 32.0/20


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: 115.446+/-0.050 χ²/NDF:37092.8/3
Right Out: 77.796+/-0.021 χ²/NDF: 396477.1/18
Left In: 92.971+/-0.051 χ²/NDF:1535.6/1
+ sign 83.184+/-0.020 χ²/NDF: 957511.5/19
All: 81.577+/-0.014 χ²/NDF: 1444179.0/40
- sign 79.985+/-0.019 χ²/NDF: 473191.2/20

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

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

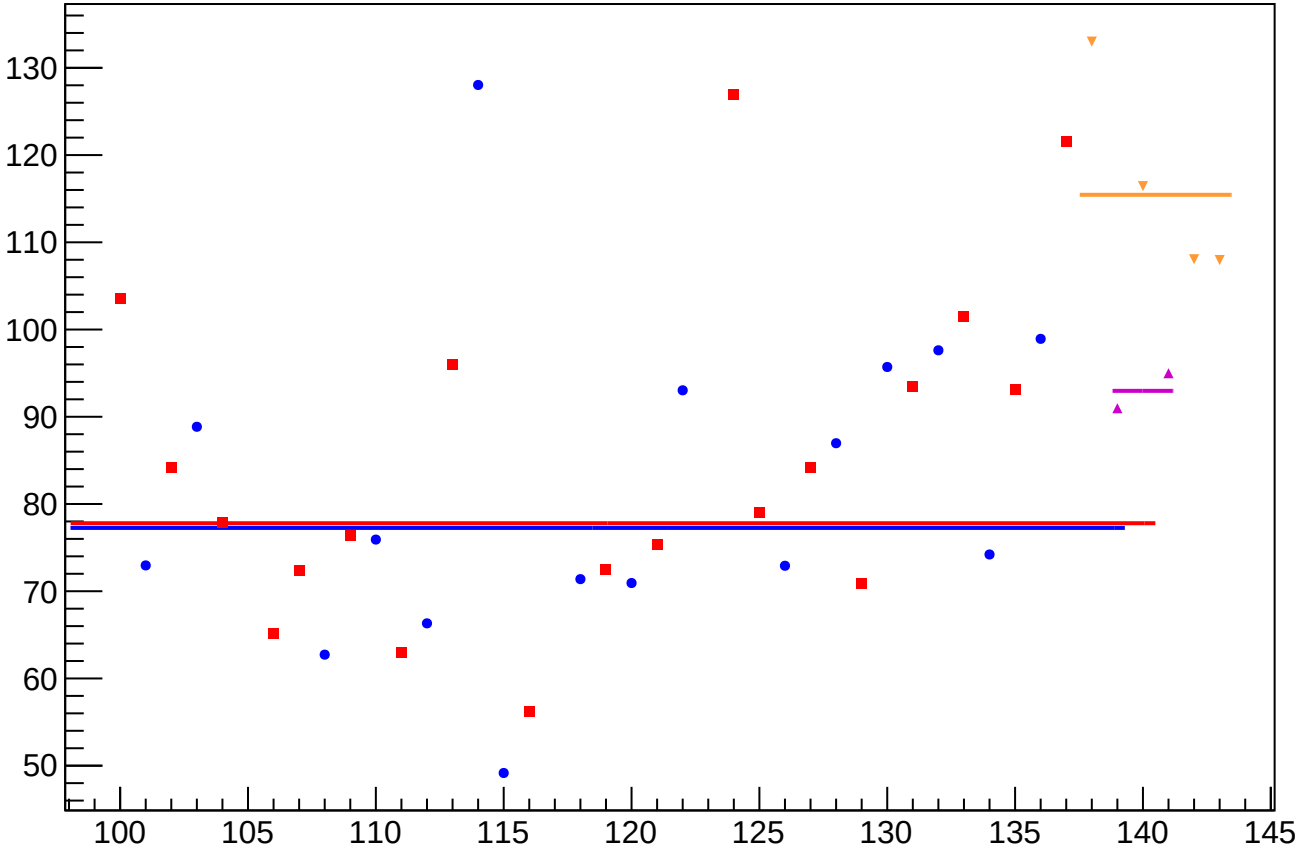
Left In: -0.058+/-0.072 χ^2/NDF:6.2/1

+ sign 0.013+/-0.028 χ^2/NDF: 23.0/19

All: -0.003+/-0.019 χ^2/NDF: 55.7/40

- sign -0.019+/-0.027 χ^2/NDF: 32.0/20

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 115.446+/-0.050 χ^2/NDF:37092.8/3

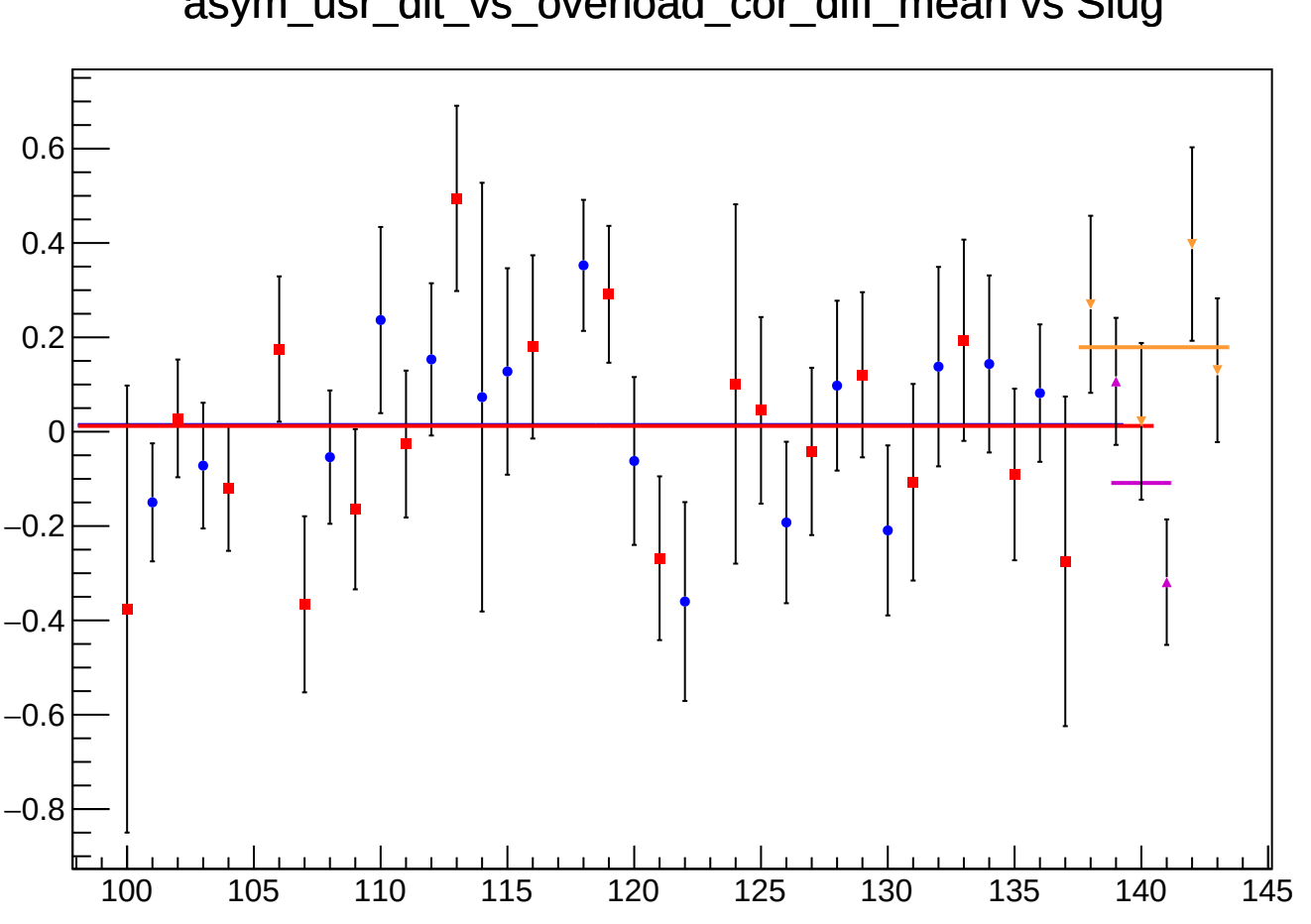
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.971+/-0.051 χ^2/NDF:1535.6/1

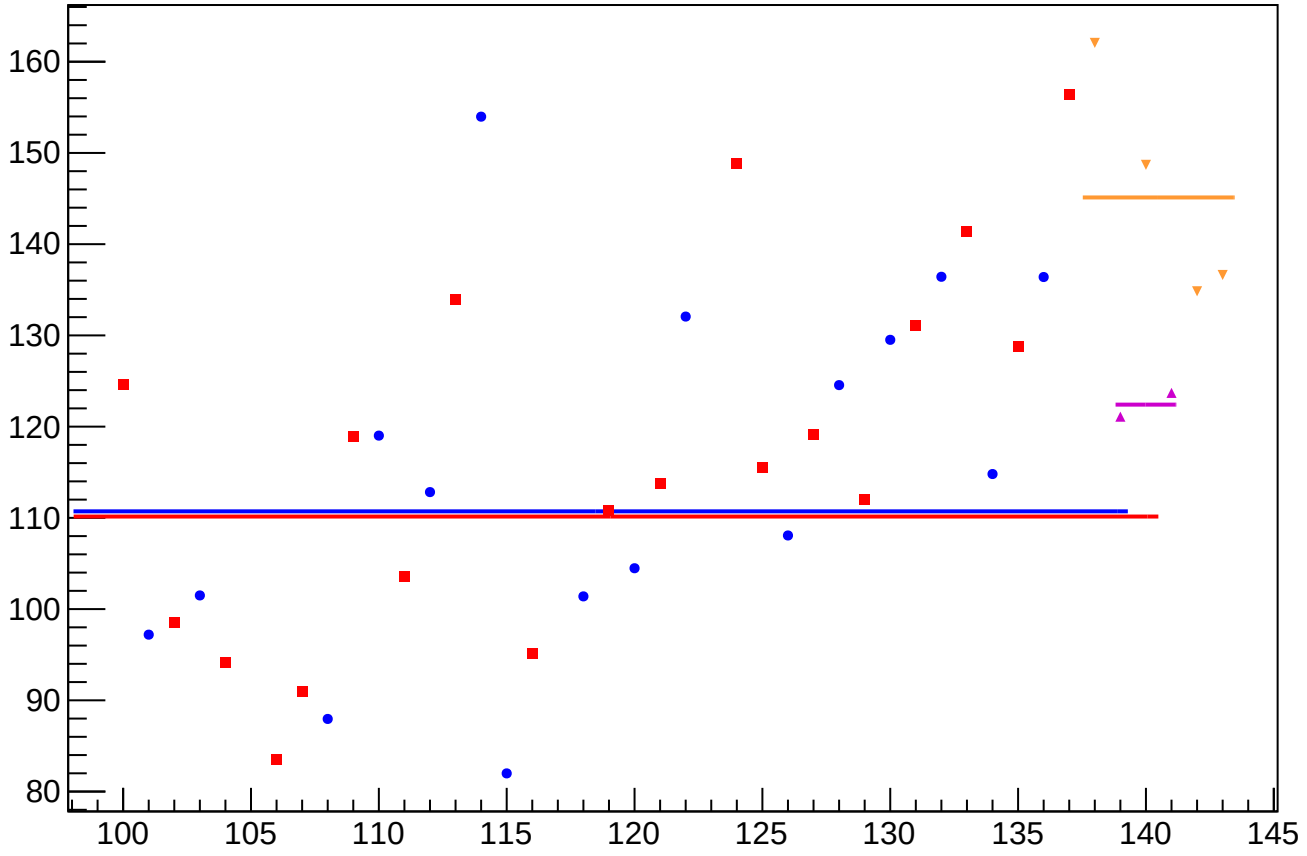
+ sign 83.184+/-0.020 χ^2/NDF: 957511.5/19

All: 81.577+/-0.014 χ^2/NDF: 1444179.0/40

- sign 79.985+/-0.019 χ^2/NDF: 473191.2/20


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: 0.179+/-0.087 χ²/NDF:2.4/3
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.109+/-0.095 χ²/NDF:5.1/1
+ sign 0.045+/-0.038 χ²/NDF: 23.4/19
All: 0.019+/-0.027 χ²/NDF: 54.6/40
- sign -0.007+/-0.038 χ²/NDF: 30.2/20

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 145.121+/-0.062 χ^2/NDF:28462.4/3

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

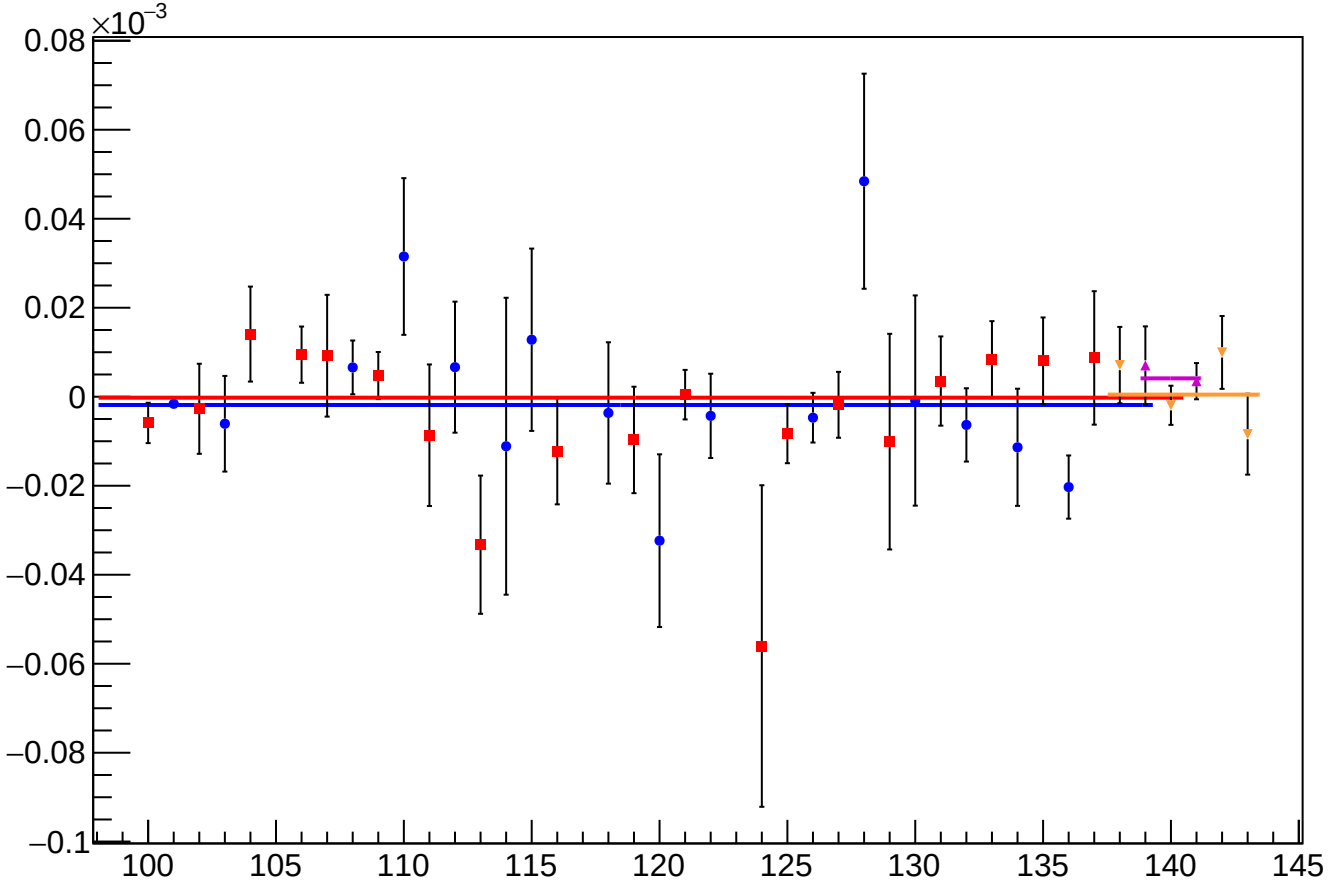
Left In: 122.412+/-0.067 χ^2/NDF:380.0/1

+ sign 117.255+/-0.027 χ^2/NDF: 580350.6/19

All: 114.670+/-0.019 χ^2/NDF: 954081.3/40

- sign 112.109+/-0.027 χ^2/NDF: 355338.8/20

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:3.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

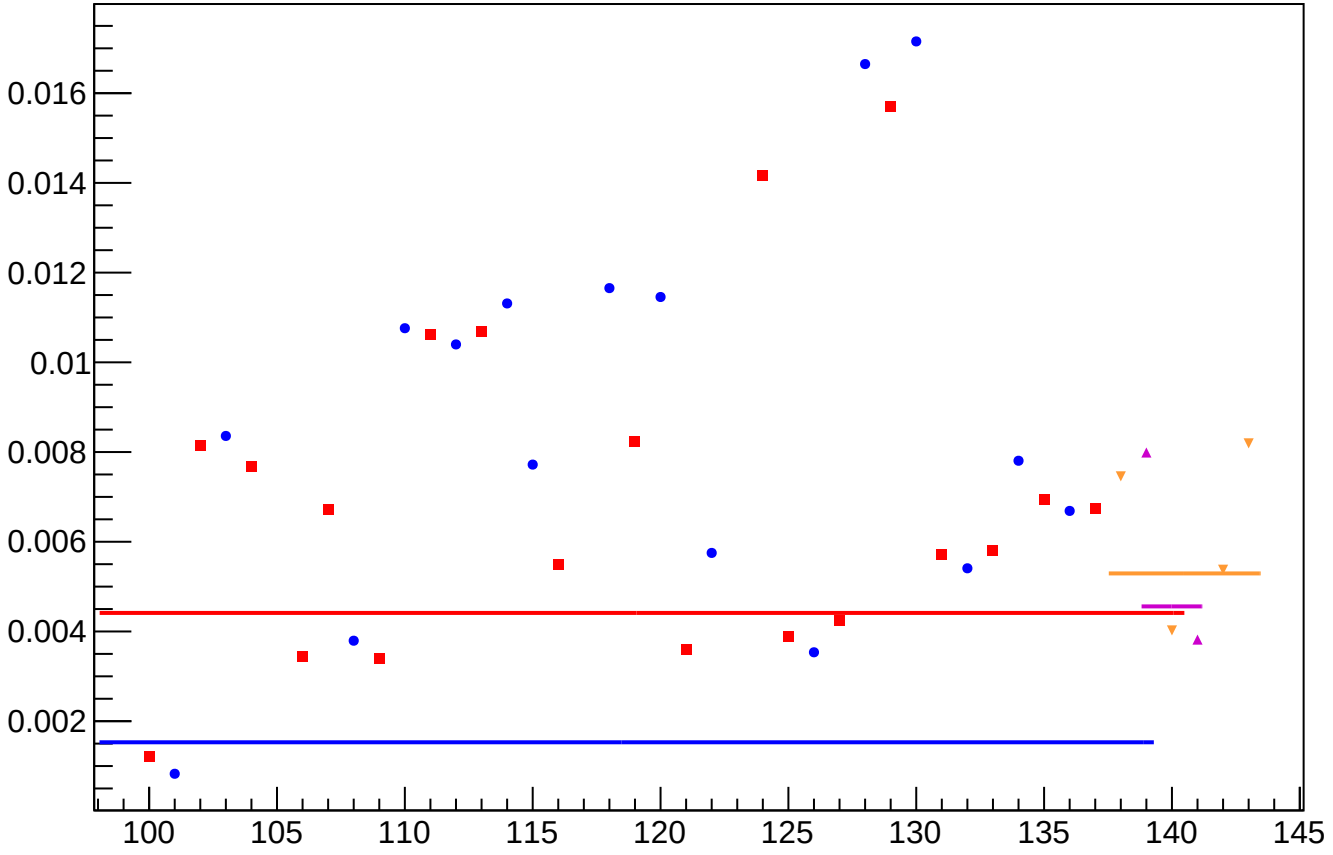
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/19

All: -0.000+/-0.000 χ^2/NDF: 47.6/40

- sign 0.000+/-0.000 χ^2/NDF: 21.1/20

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:497725.2/3

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

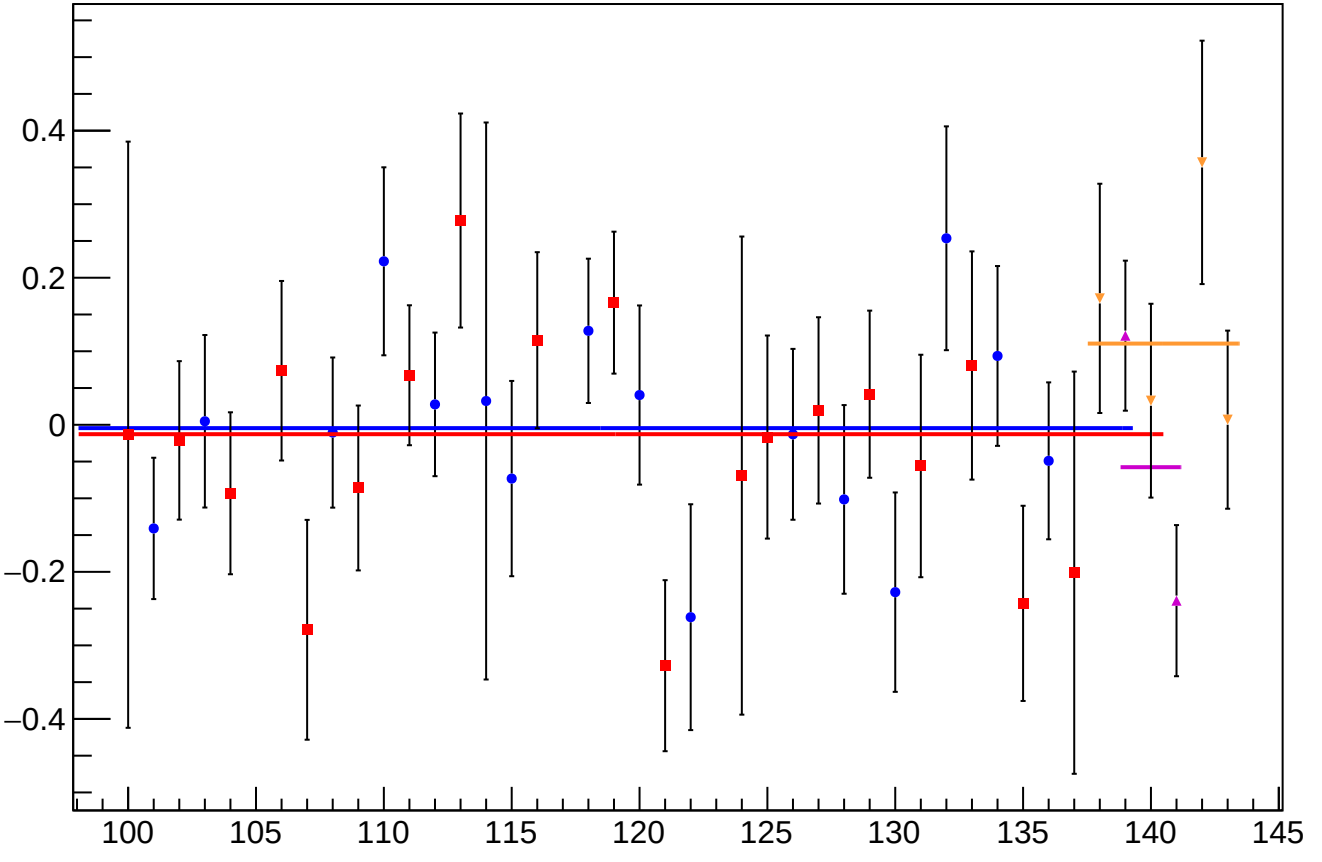
Left In: 0.005+/-0.000 χ^2/NDF:372838.7/1

+ sign 0.002+/-0.000 χ^2/NDF: 12127196.9/19

All: 0.002+/-0.000 χ^2/NDF: 19496401.6/40

- sign 0.004+/-0.000 χ^2/NDF: 3763350.7/20

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

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

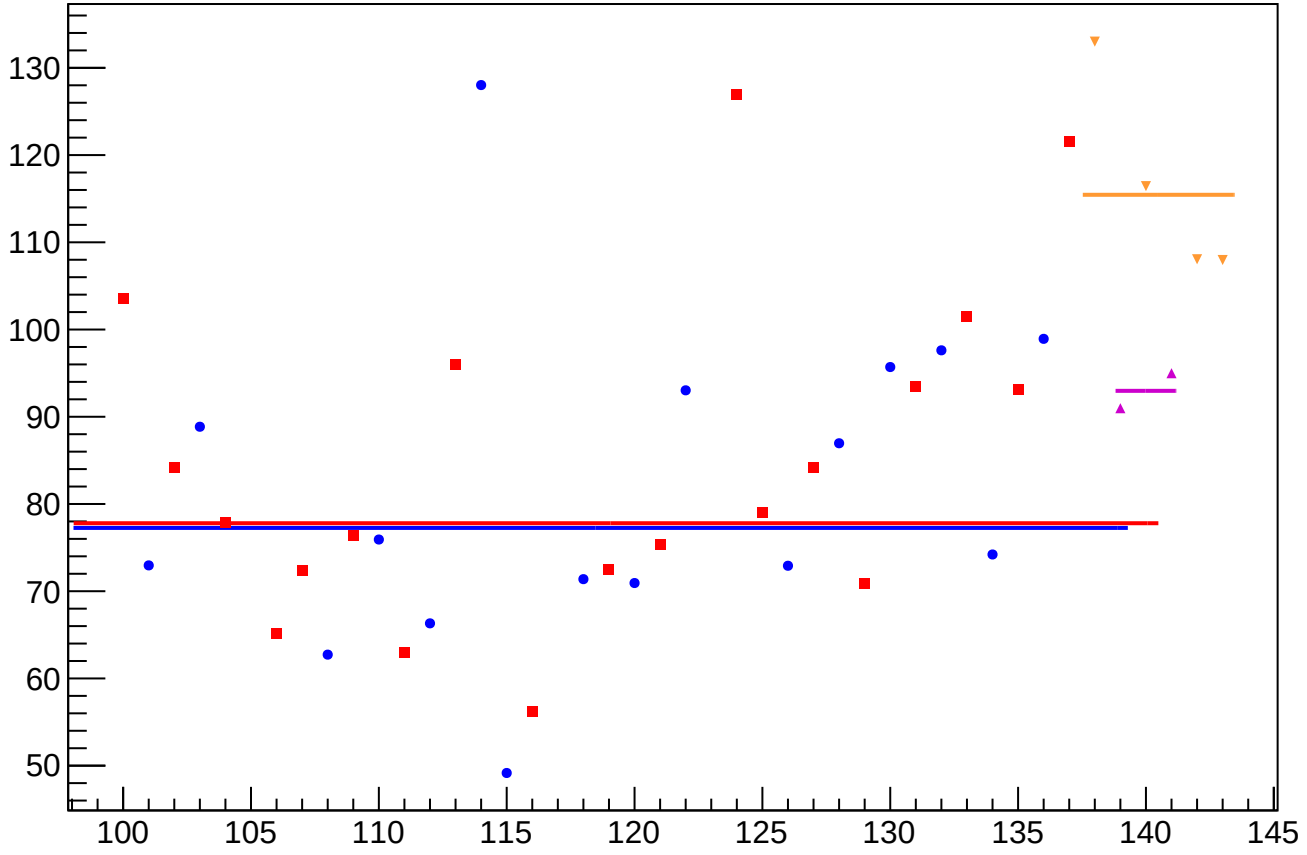
Left In: -0.058+/-0.072 χ^2/NDF:6.2/1

+ sign 0.013+/-0.028 χ^2/NDF: 23.0/19

All: -0.003+/-0.019 χ^2/NDF: 55.7/40

- sign -0.019+/-0.027 χ^2/NDF: 32.0/20

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 115.447+/-0.050 χ^2/NDF:37092.3/3

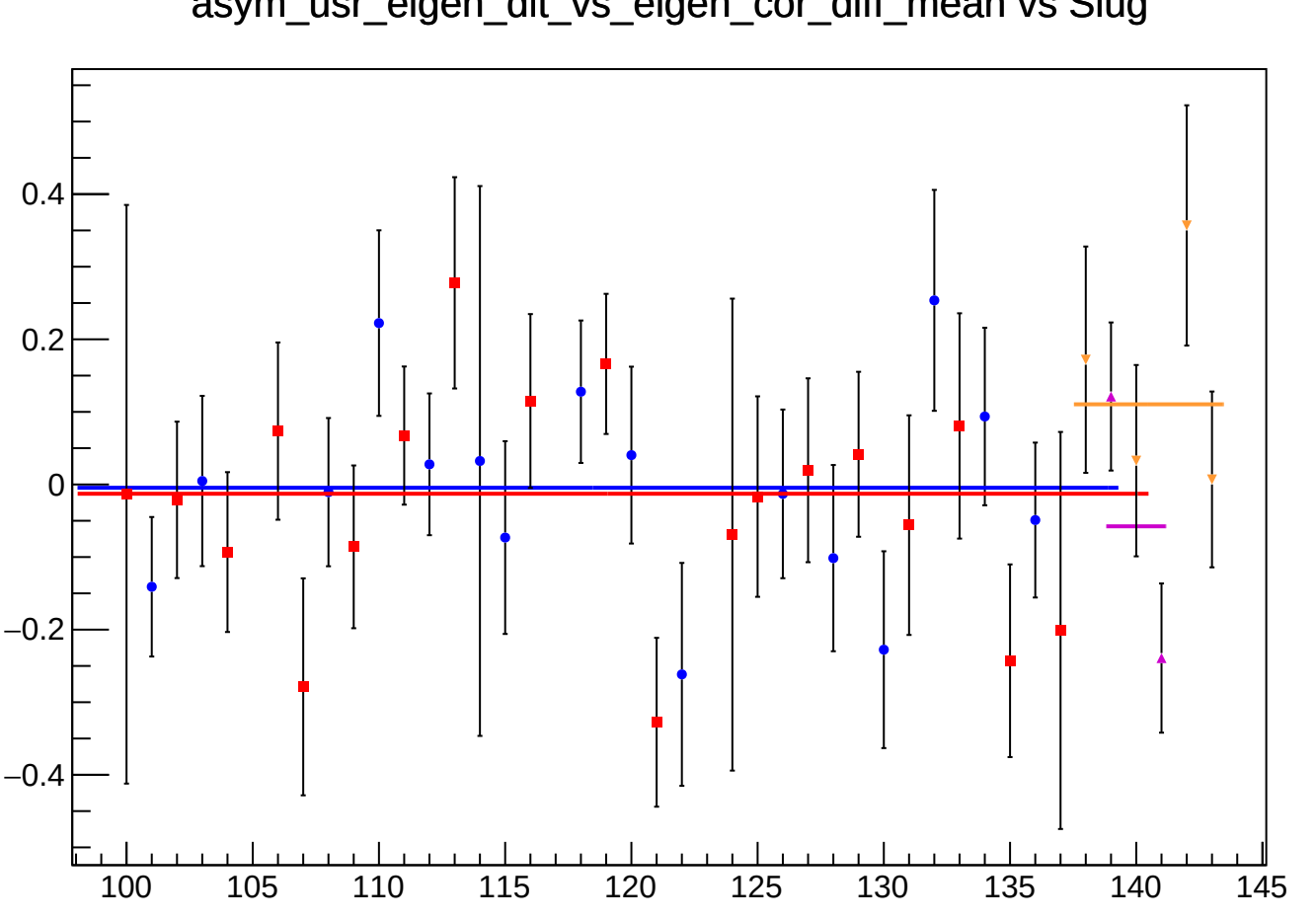
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.971+/-0.051 χ^2/NDF:1534.1/1

+ sign 83.183+/-0.020 χ^2/NDF: 957550.4/19

All: 81.576+/-0.014 χ^2/NDF: 1444234.6/40

- sign 79.983+/-0.019 χ^2/NDF: 473208.5/20



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

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

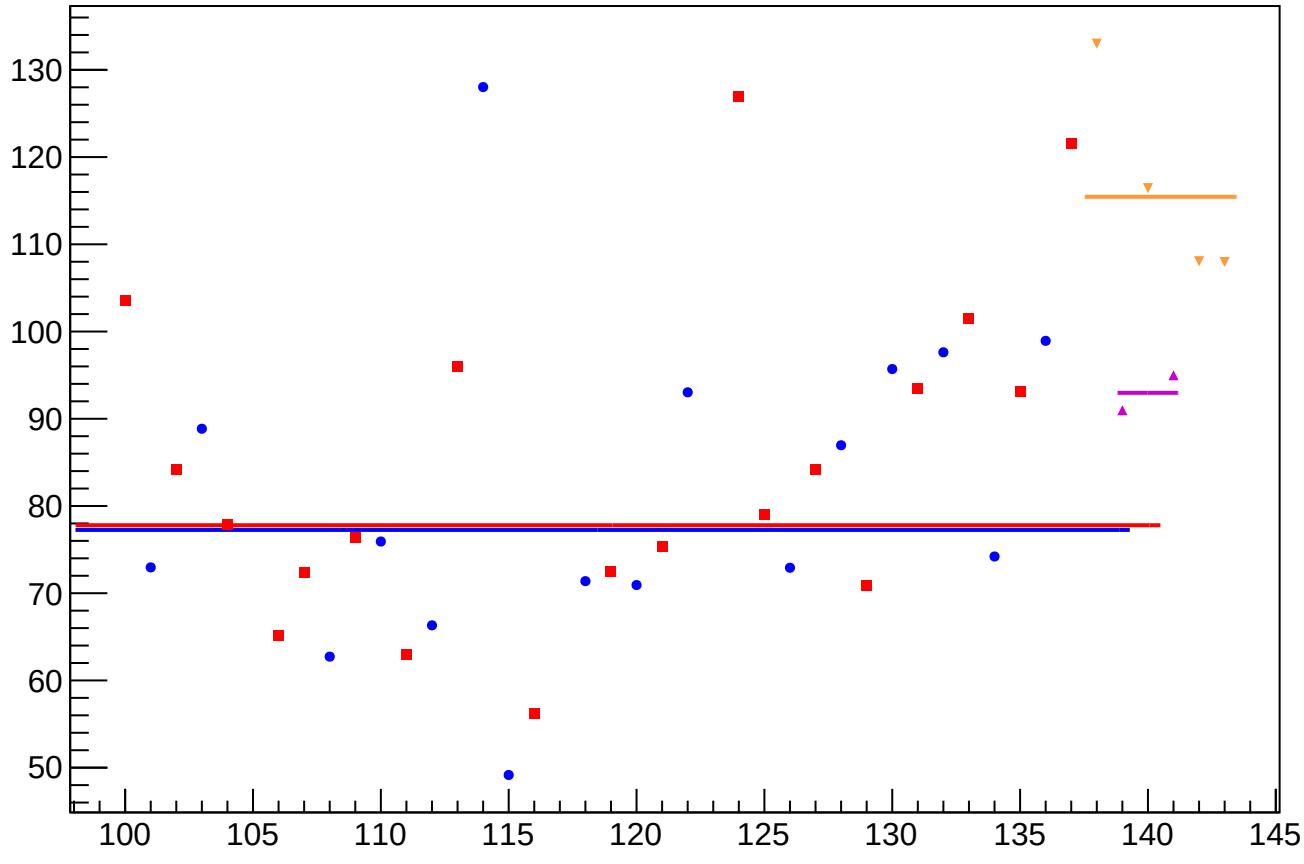
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.058+/-0.072 χ^2/NDF:6.2/1

+ sign 0.013+/-0.028 χ^2/NDF: 23.0/19

All: -0.003+/-0.019 χ^2/NDF: 55.7/40

- sign -0.019+/-0.027 χ^2/NDF: 32.0/20



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 115.447+/-0.050 χ^2/NDF:37092.3/3

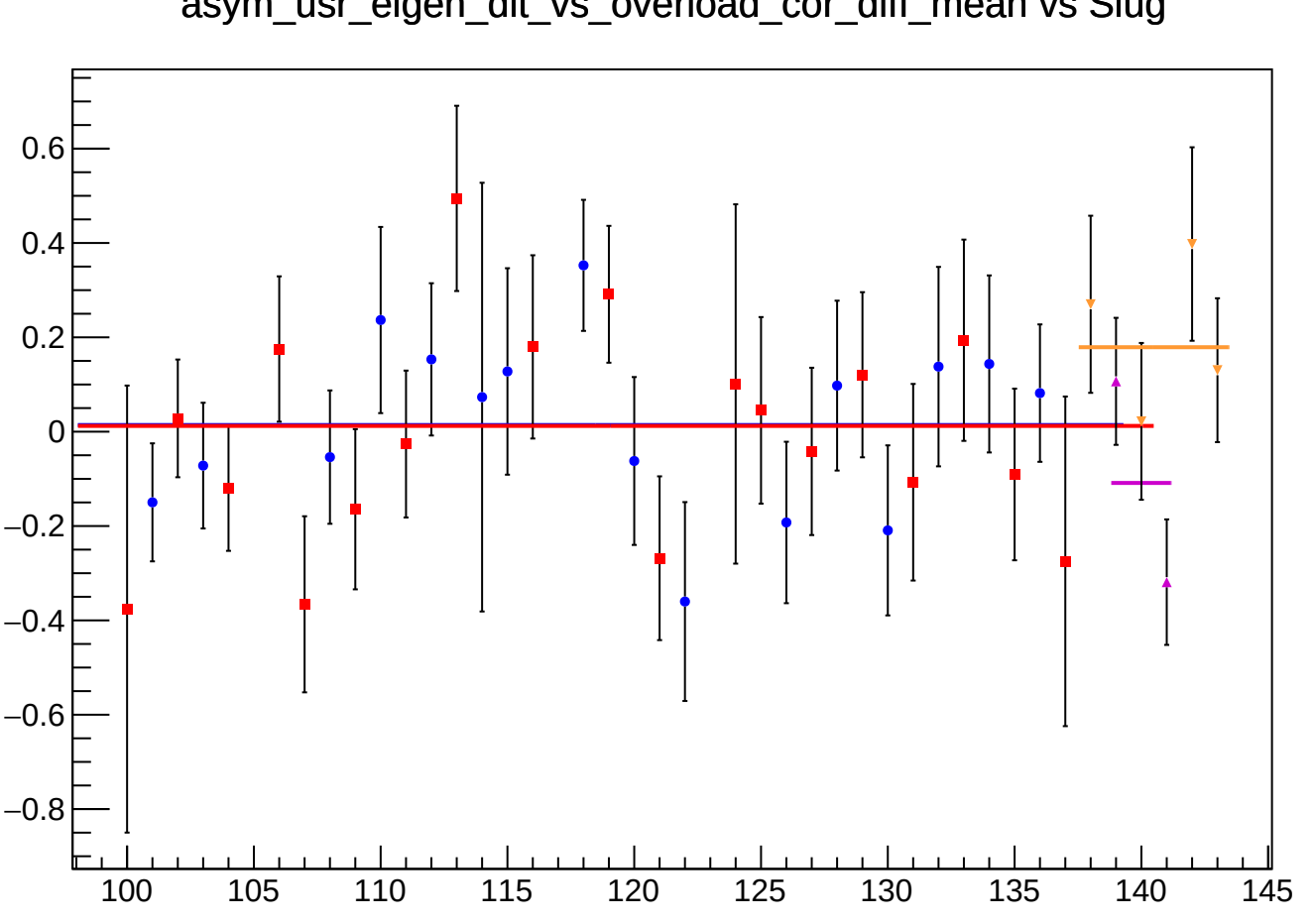
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

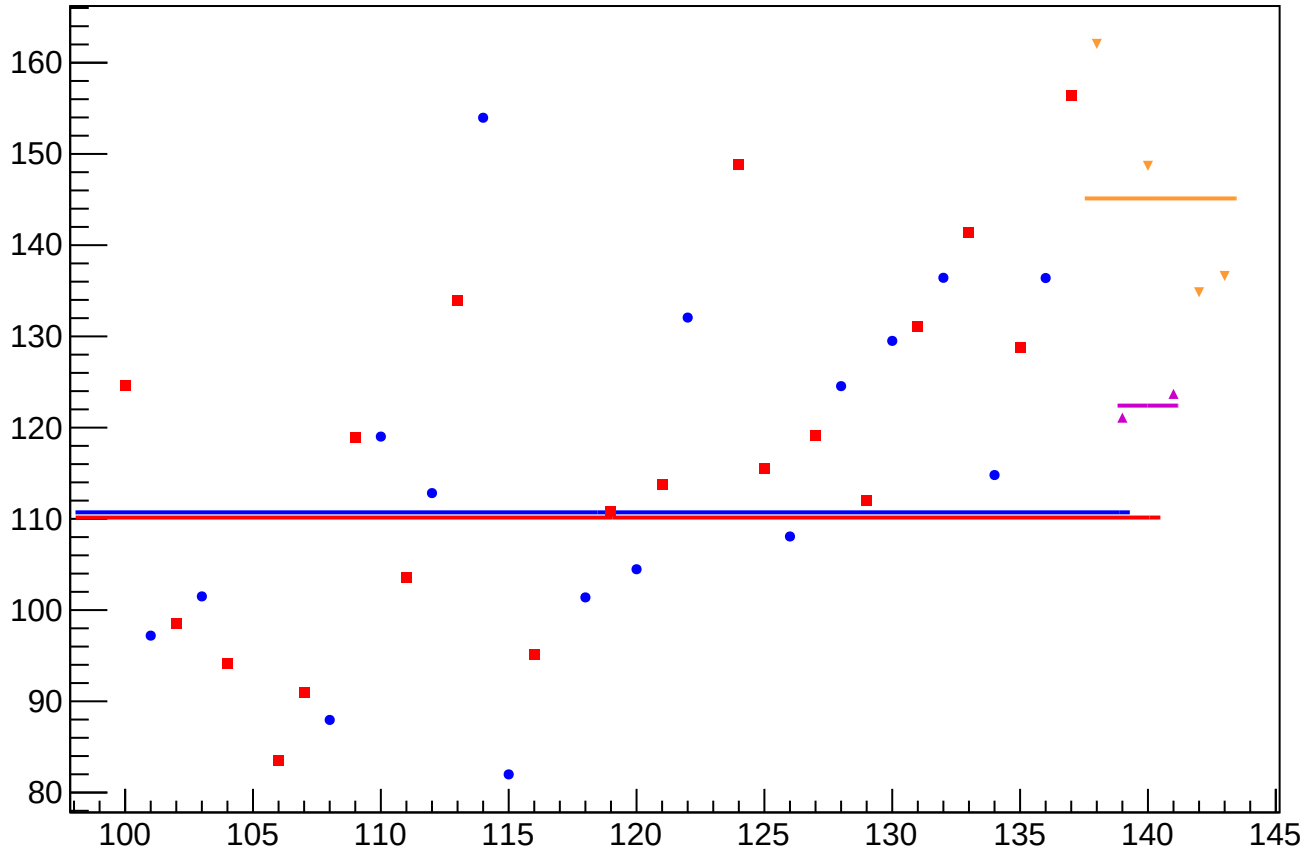
Left In: 92.971+/-0.051 χ^2/NDF:1534.1/1

+ sign 83.183+/-0.020 χ^2/NDF: 957550.4/19

All: 81.576+/-0.014 χ^2/NDF: 1444234.6/40

- sign 79.983+/-0.019 χ^2/NDF: 473208.5/20


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
145
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.179+/-0.087 χ²/NDF:2.4/3
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.109+/-0.095 χ²/NDF:5.1/1
+ sign 0.045+/-0.038 χ²/NDF: 23.4/19
All: 0.019+/-0.027 χ²/NDF: 54.6/40
- sign -0.007+/-0.038 χ²/NDF: 30.2/20



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

Left Out: 145.121+/-0.062 χ^2/NDF:28460.8/3

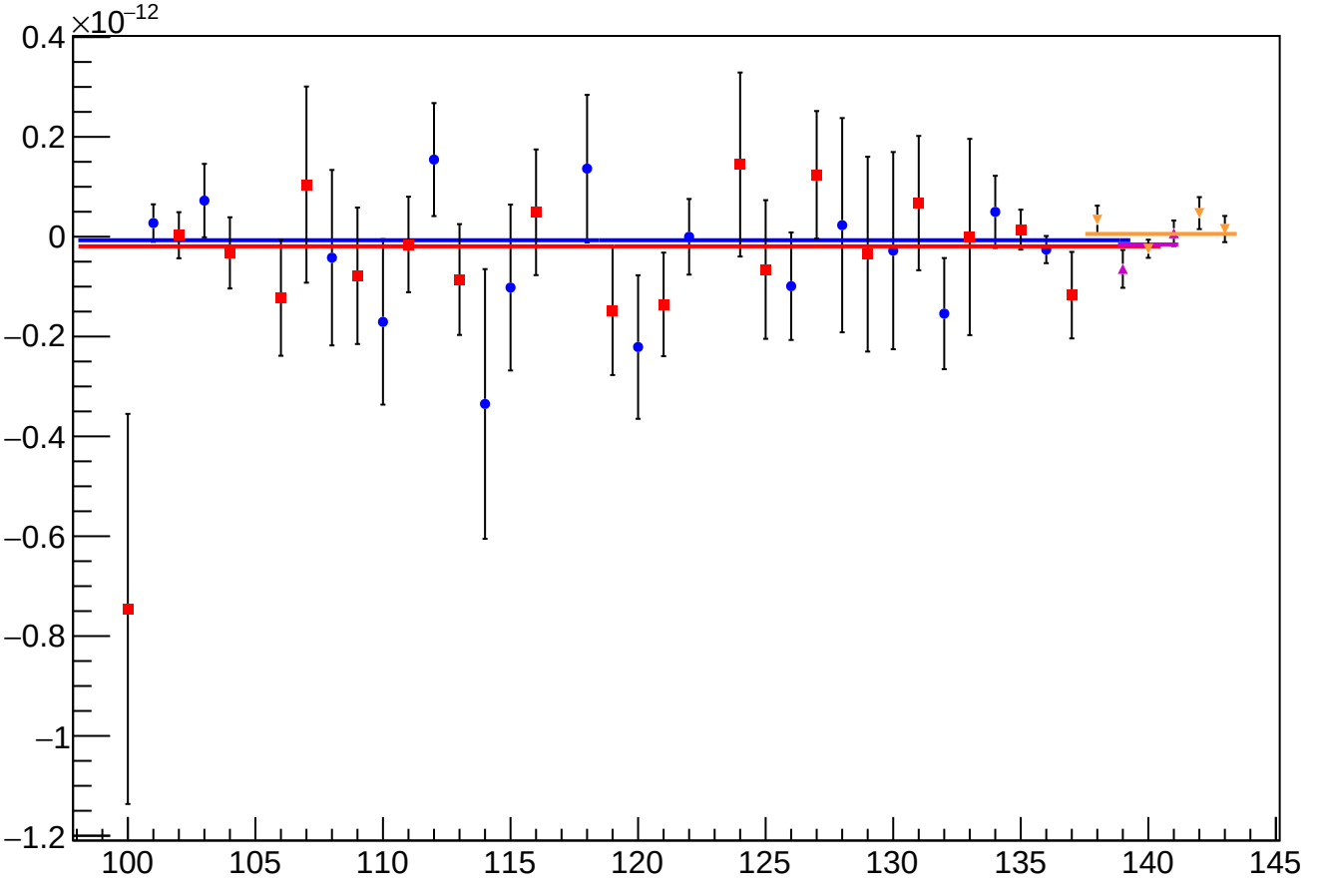
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 122.413+/-0.067 χ^2/NDF:379.5/1

+ sign 117.255+/-0.027 χ^2/NDF: 580342.5/19

All: 114.669+/-0.019 χ^2/NDF: 954048.0/40

- sign 112.108+/-0.027 χ^2/NDF: 355314.5/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.5/3

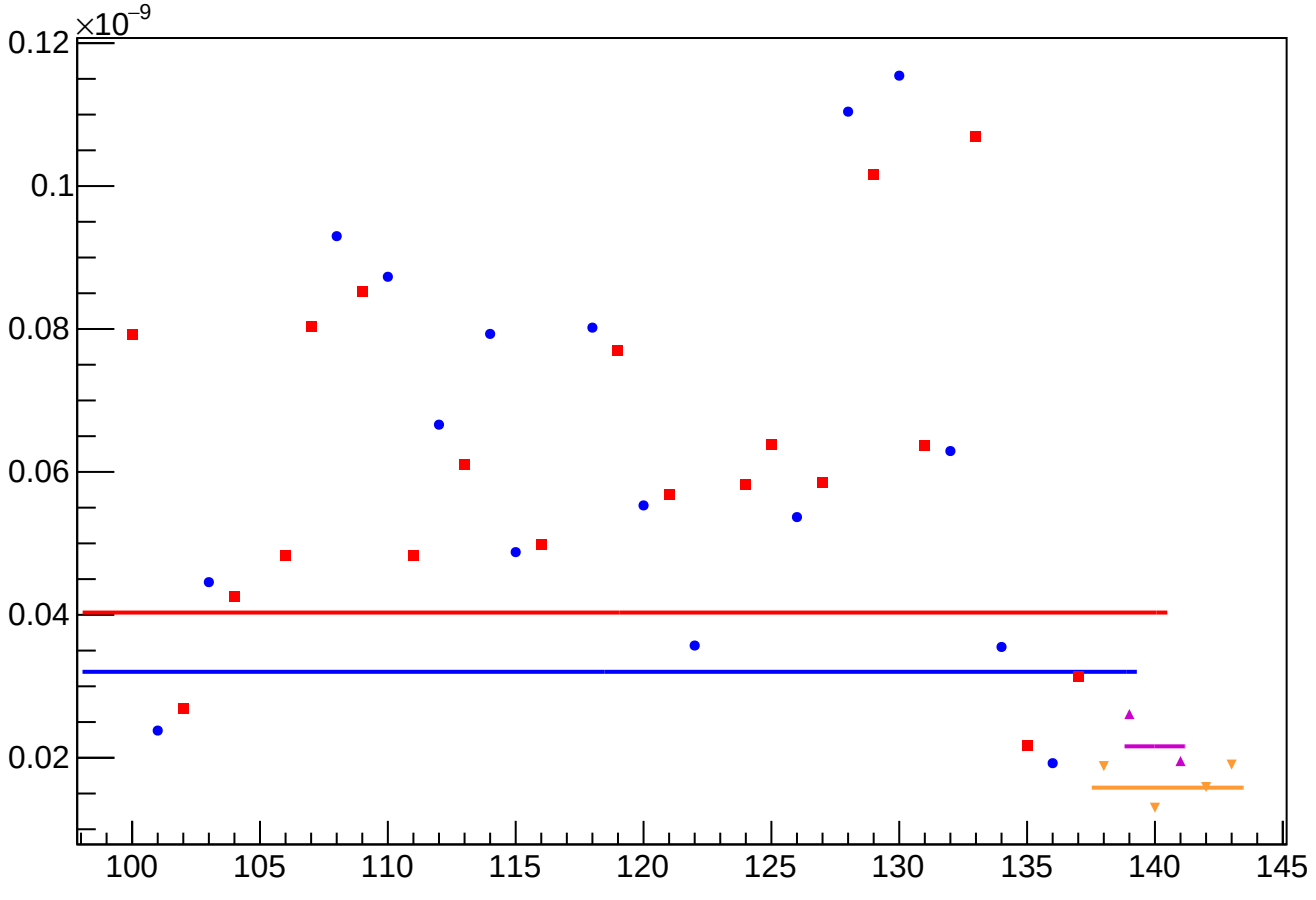
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 19.5/19

All: -0.000+/-0.000 χ^2/NDF: 35.6/40

- sign -0.000+/-0.000 χ^2/NDF: 15.0/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:100847.4/3

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

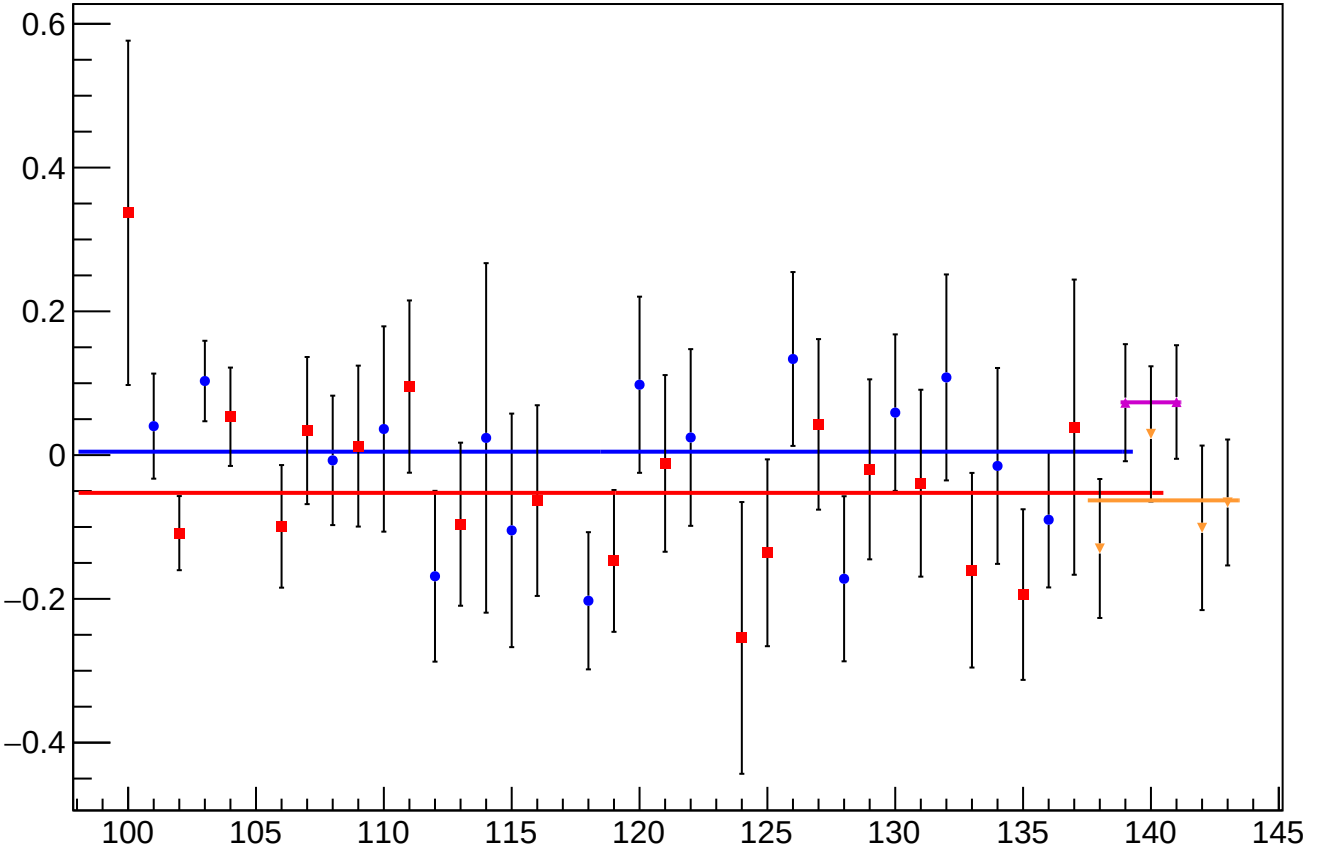
Left In: 0.000+/-0.000 χ^2/NDF:41282.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 3678723.2/19

All: 0.000+/-0.000 χ^2/NDF: 6988918.6/40

- sign 0.000+/-0.000 χ^2/NDF: 2689306.0/20

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.063+/-0.048 χ^2/NDF:1.6/3

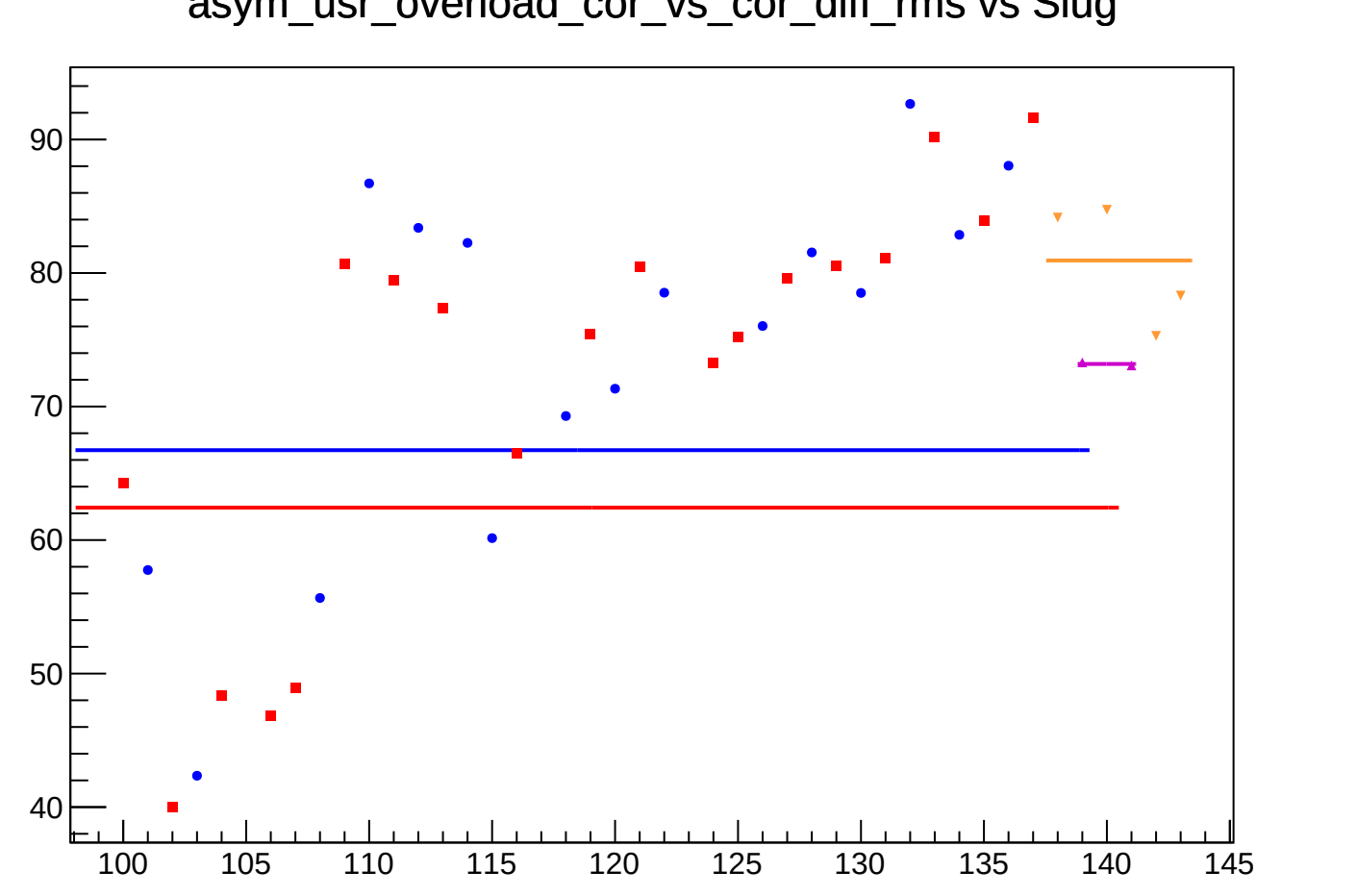
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.073+/-0.057 χ^2/NDF:0.0/1

+ sign -0.010+/-0.023 χ^2/NDF: 19.7/19

All: -0.022+/-0.016 χ^2/NDF: 39.2/40

- sign -0.033+/-0.022 χ^2/NDF: 19.0/20



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 80.938+/-0.034 χ^2/NDF:12134.4/3

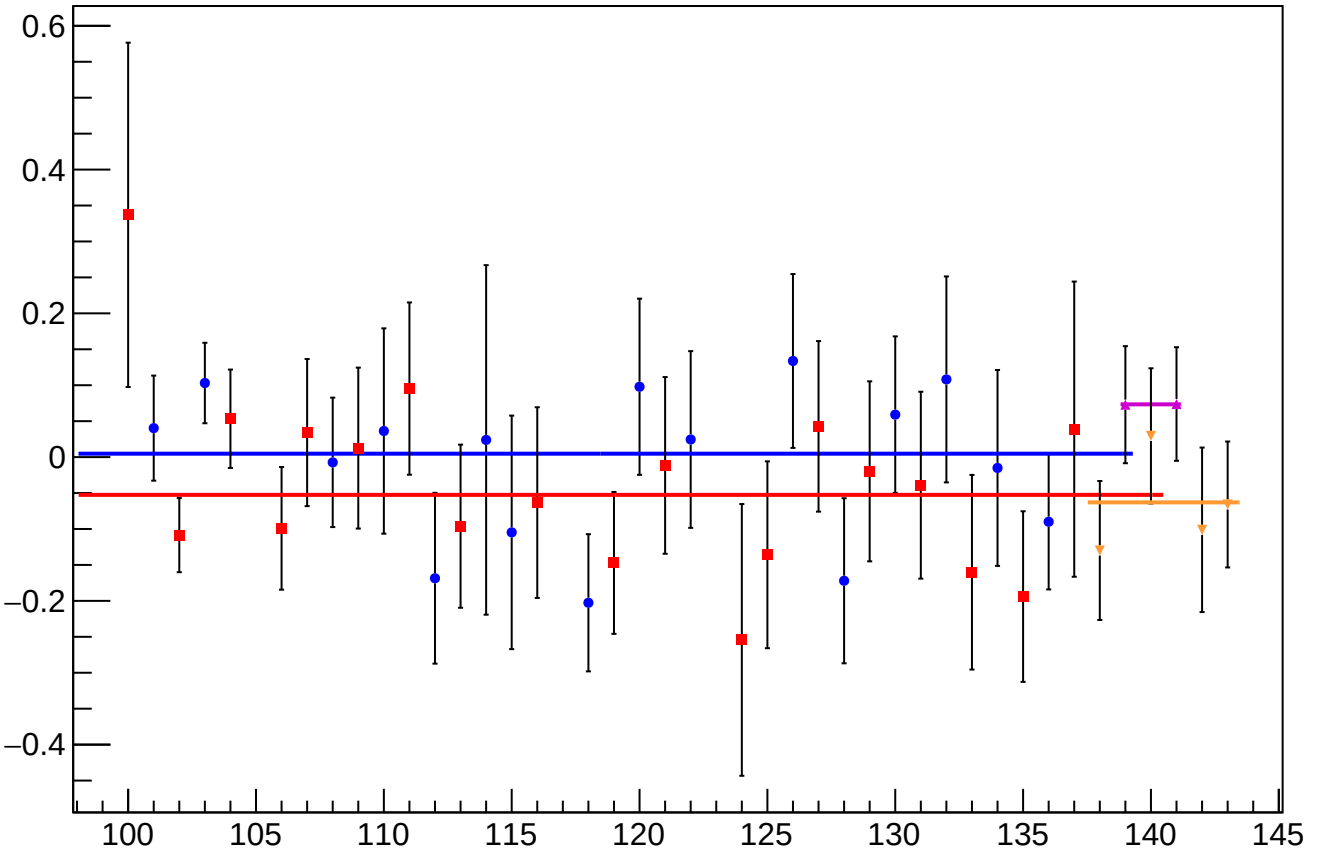
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.188+/-0.040 χ^2/NDF:8.1/1

+ sign 69.893+/-0.016 χ^2/NDF: 962785.9/19

All: 66.898+/-0.011 χ^2/NDF: 2204728.4/40

- sign 64.073+/-0.016 χ^2/NDF: 1175068.4/20



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

Left Out: -0.063+/-0.048 χ^2/NDF:1.6/3

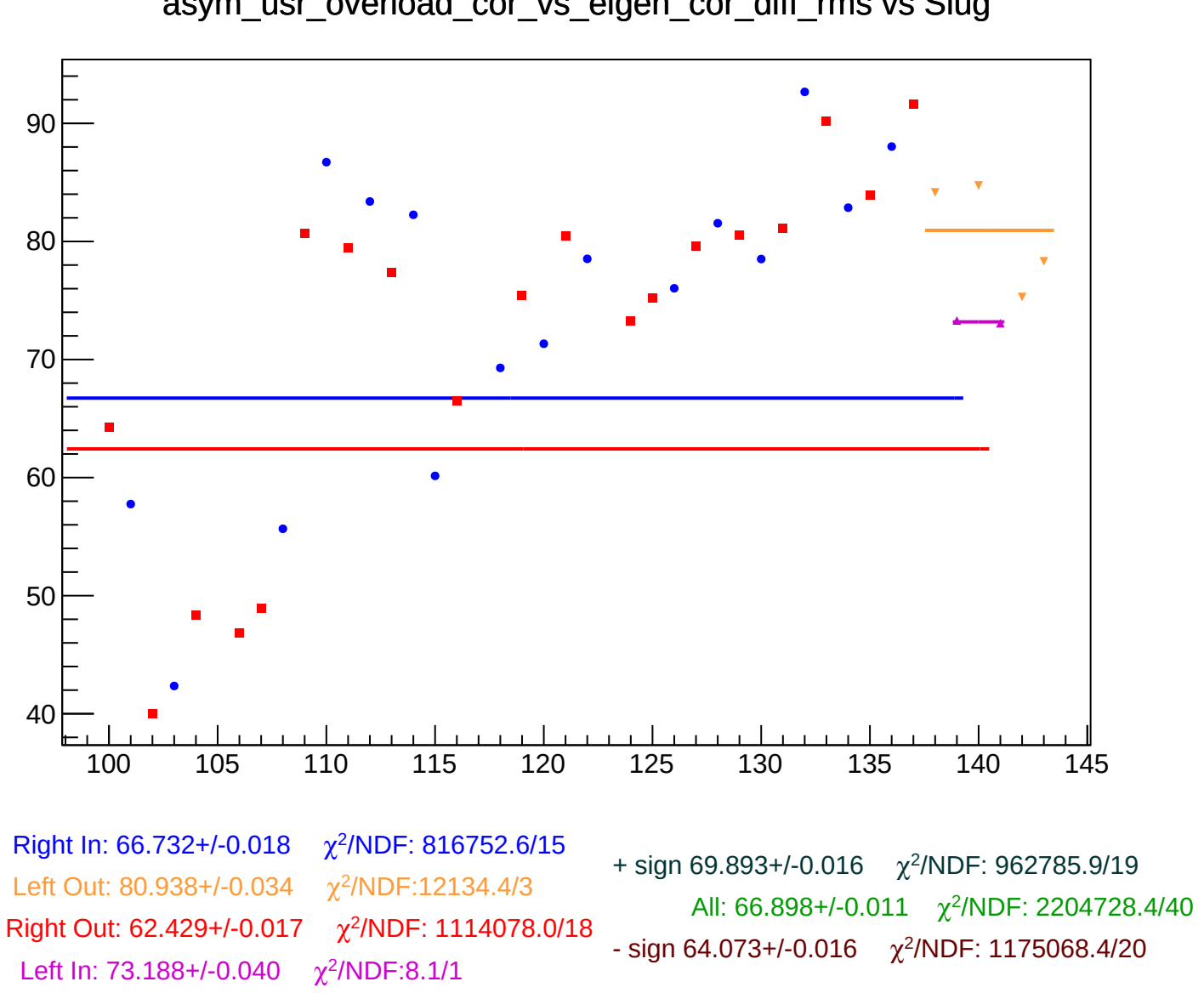
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.073+/-0.057 χ^2/NDF:0.0/1

+ sign -0.010+/-0.023 χ^2/NDF: 19.7/19

All: -0.022+/-0.016 χ^2/NDF: 39.2/40

- sign -0.033+/-0.022 χ^2/NDF: 19.0/20



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 80.938+/-0.034 χ^2/NDF:12134.4/3

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

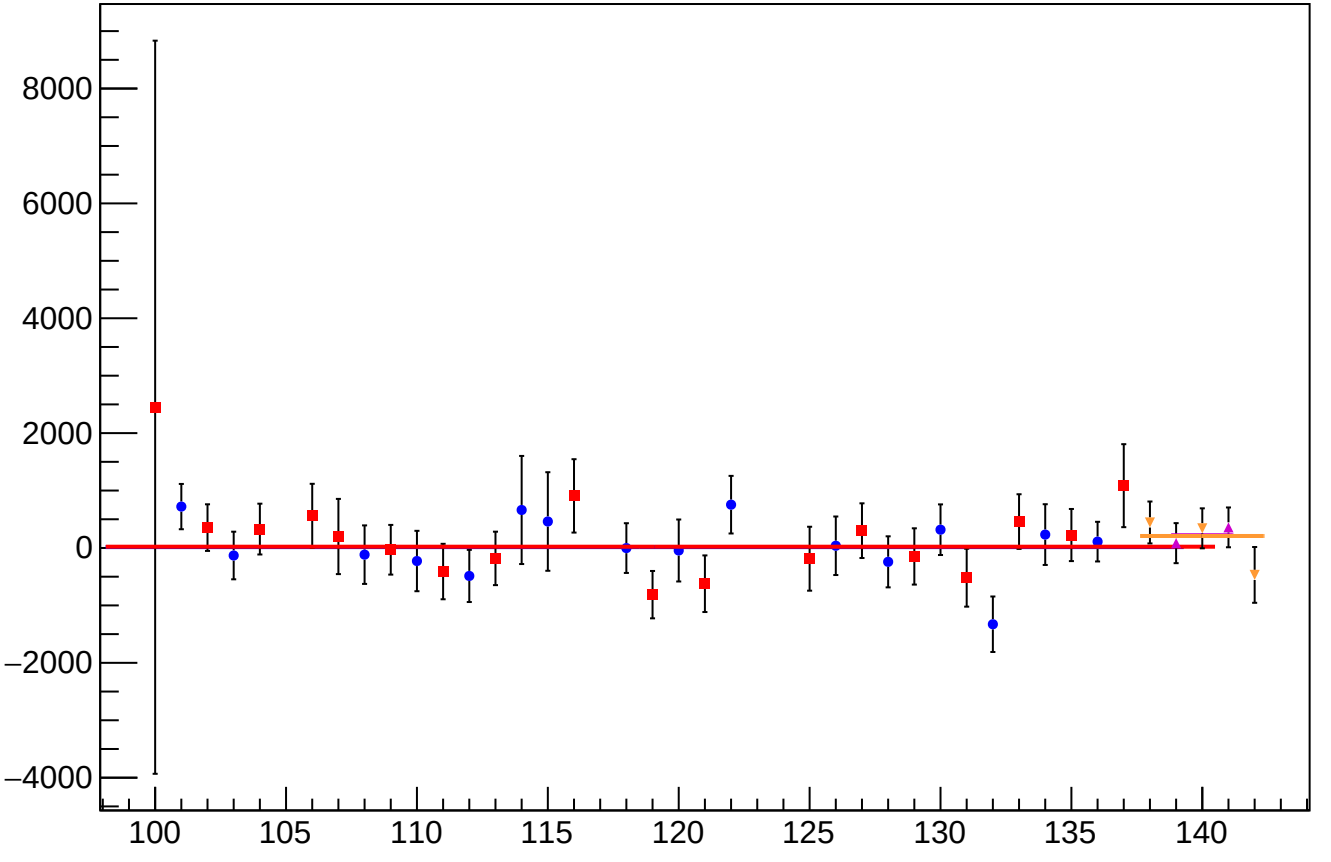
Left In: 73.188+/-0.040 χ^2/NDF:8.1/1

+ sign 69.893+/-0.016 χ^2/NDF: 962785.9/19

All: 66.898+/-0.011 χ^2/NDF: 2204728.4/40

- sign 64.073+/-0.016 χ^2/NDF: 1175068.4/20

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: 208.747+/-223.556 χ^2/NDF:2.5/2

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

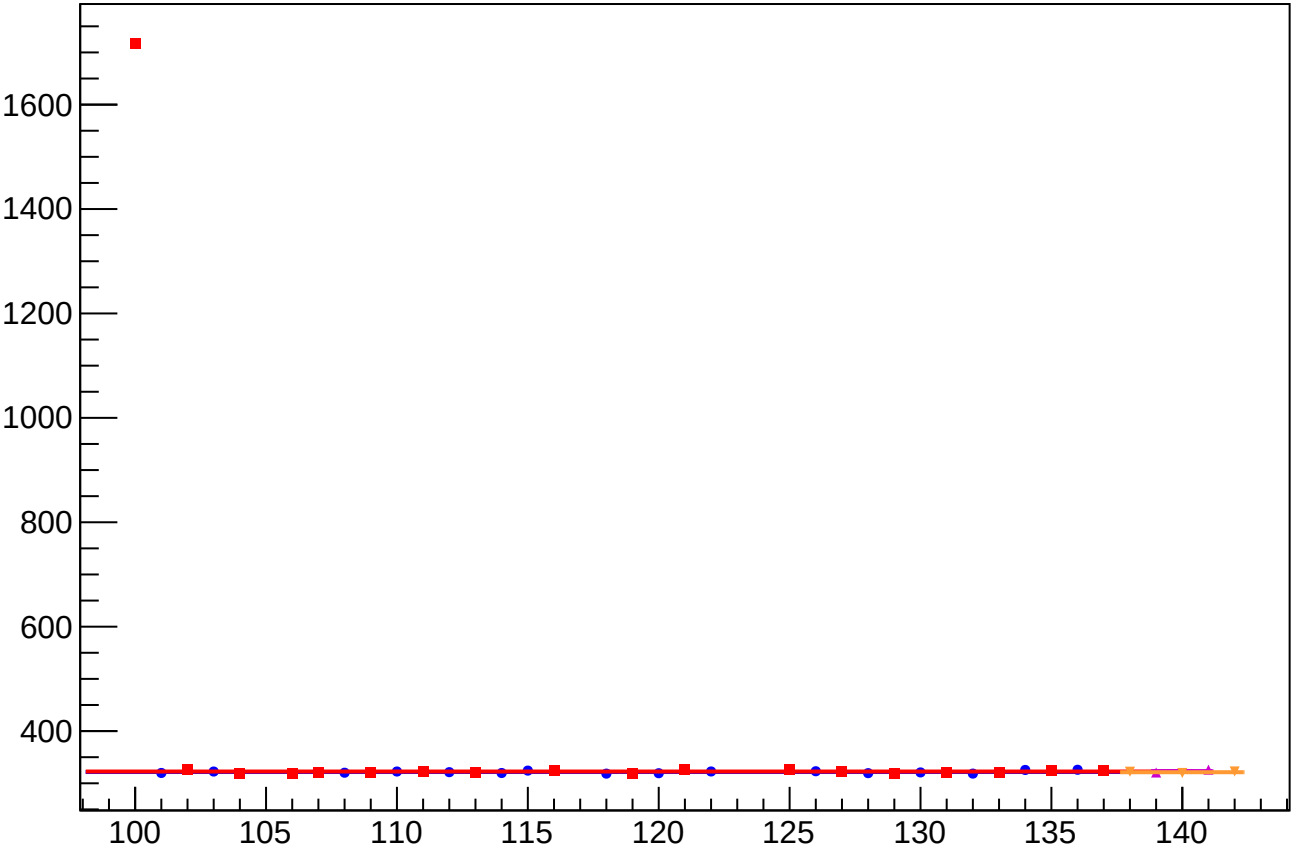
Left In: 222.197+/-245.775 χ^2/NDF:0.3/1

+ sign 58.421+/-105.341 χ^2/NDF: 19.6/18

All: 59.317+/-75.157 χ^2/NDF: 36.5/38

- sign 60.246+/-107.260 χ^2/NDF: 16.8/19

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 321.243+/-0.158 χ^2/NDF:66.7/2

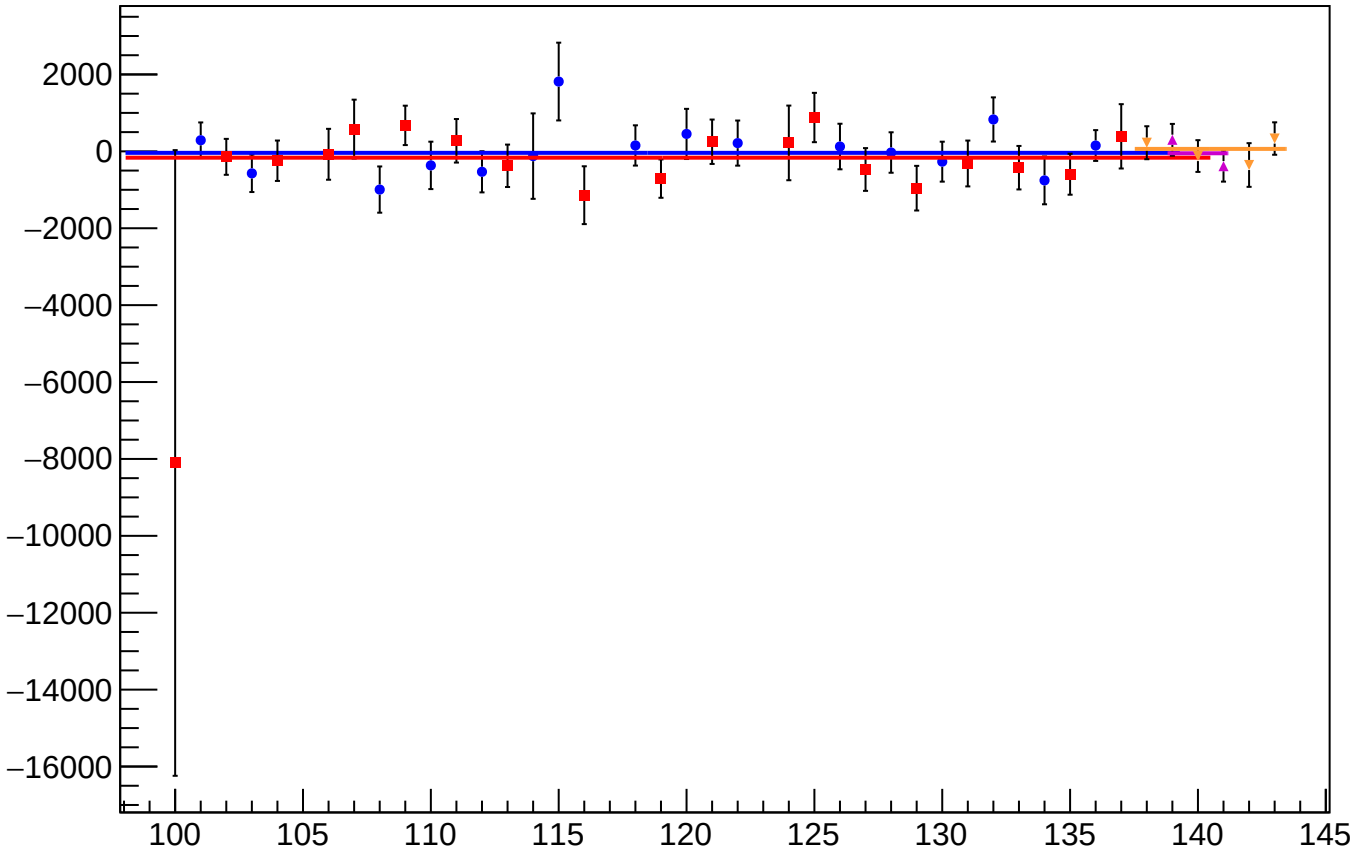
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 323.422+/-0.174 χ^2/NDF:241.9/1

+ sign 321.524+/-0.074 χ^2/NDF: 893.7/18

All: 322.110+/-0.053 χ^2/NDF: 98173.9/38

- sign 322.718+/-0.076 χ^2/NDF: 97154.0/19



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 63.631+/-223.477 χ^2/NDF:1.3/3

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

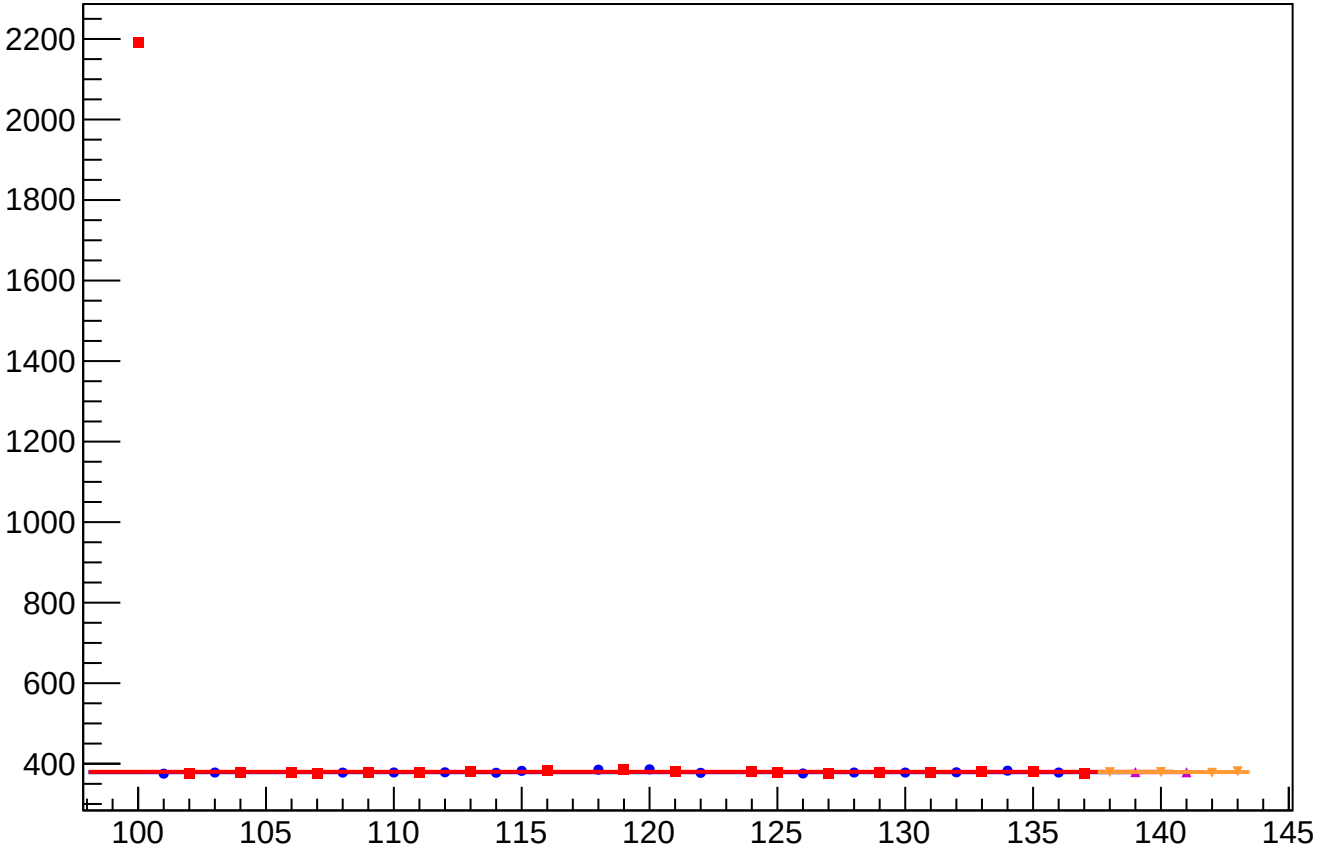
Left In: -49.848+/-288.023 χ^2/NDF:1.4/1

+ sign -9.799+/-119.079 χ^2/NDF: 15.2/19

All: -73.070+/-86.270 χ^2/NDF: 32.4/40

- sign -142.964+/-125.157 χ^2/NDF: 16.7/20

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 379.310+/-0.158 χ^2/NDF:61.7/3

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

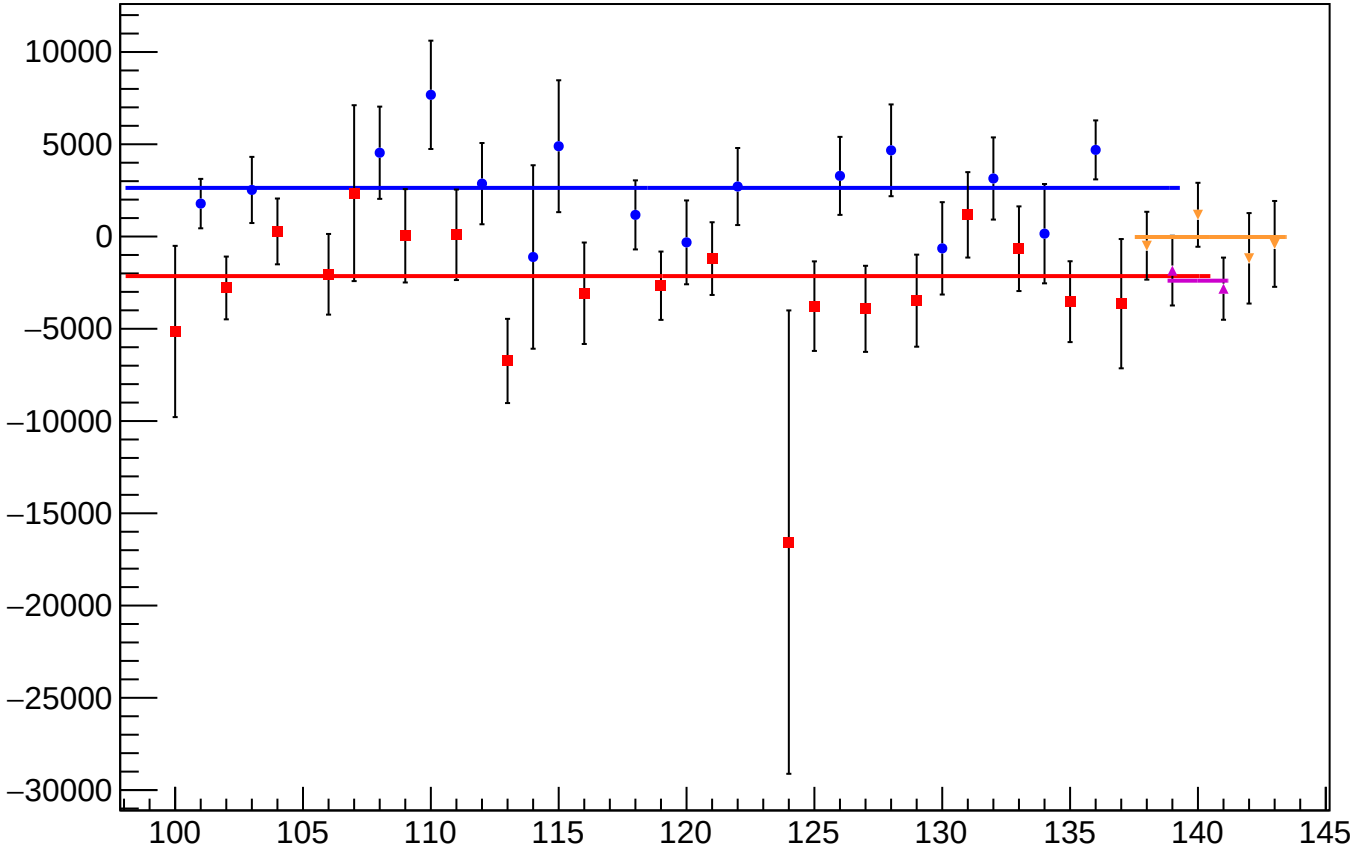
Left In: 379.010+/-0.204 χ^2/NDF:1.6/1

+ sign 379.023+/-0.084 χ^2/NDF: 917.5/19

All: 379.352+/-0.061 χ^2/NDF: 100587.2/40

- sign 379.714+/-0.088 χ^2/NDF: 99637.8/20

asym_us_agg_avg_mean vs Slug



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

Left Out: -26.240+/-1010.282 χ^2/NDF:0.8/3

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

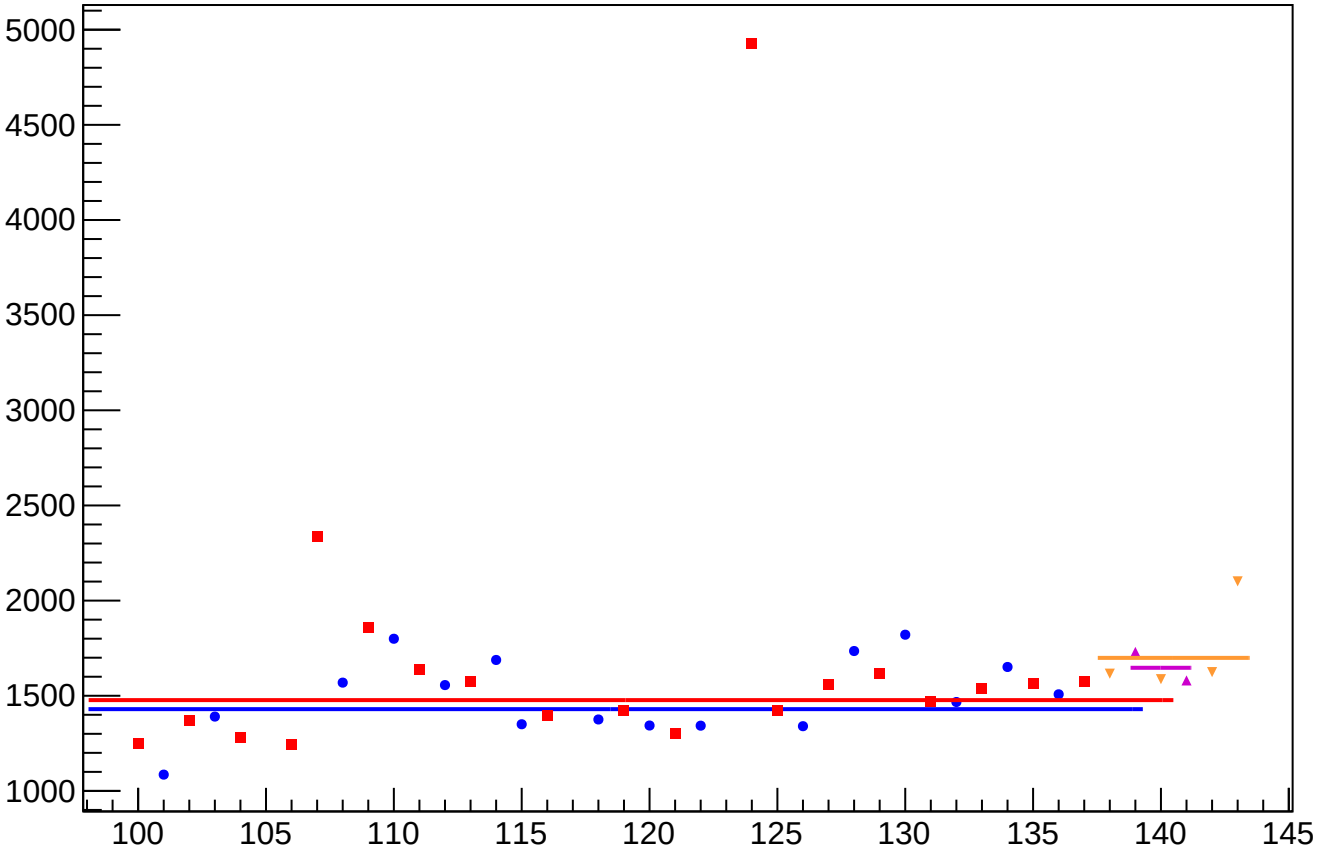
Left In: -2393.398+/-1257.408 χ^2/NDF:0.1/1

+ sign 2047.302+/-474.889 χ^2/NDF: 18.5/19

All: 47.087+/-344.842 χ^2/NDF: 71.2/40

- sign -2184.161+/-501.565 χ^2/NDF: 15.2/20

asym_us_agg_avg_rms vs Slug



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

Left Out: 1699.087+/-0.714 χ^2/NDF:74002.3/3

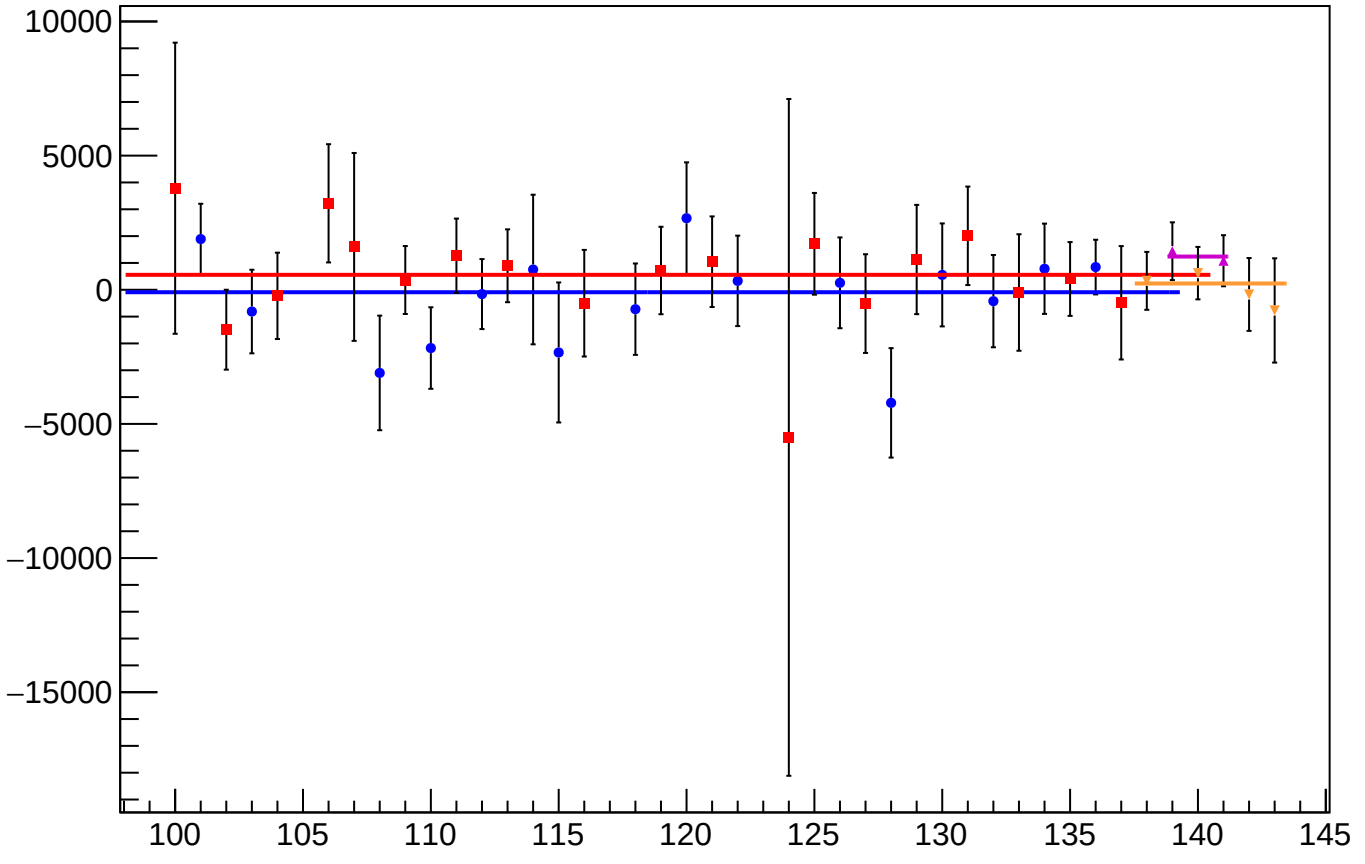
Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1646.995+/-0.889 χ^2/NDF:7018.9/1

+ sign 1489.186+/-0.336 χ^2/NDF: 478208.6/19

All: 1496.261+/-0.244 χ^2/NDF: 886290.5/40

- sign 1504.154+/-0.355 χ^2/NDF: 407142.7/20



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

Left Out: 234.179+/-607.201 χ^2/NDF:0.5/3

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

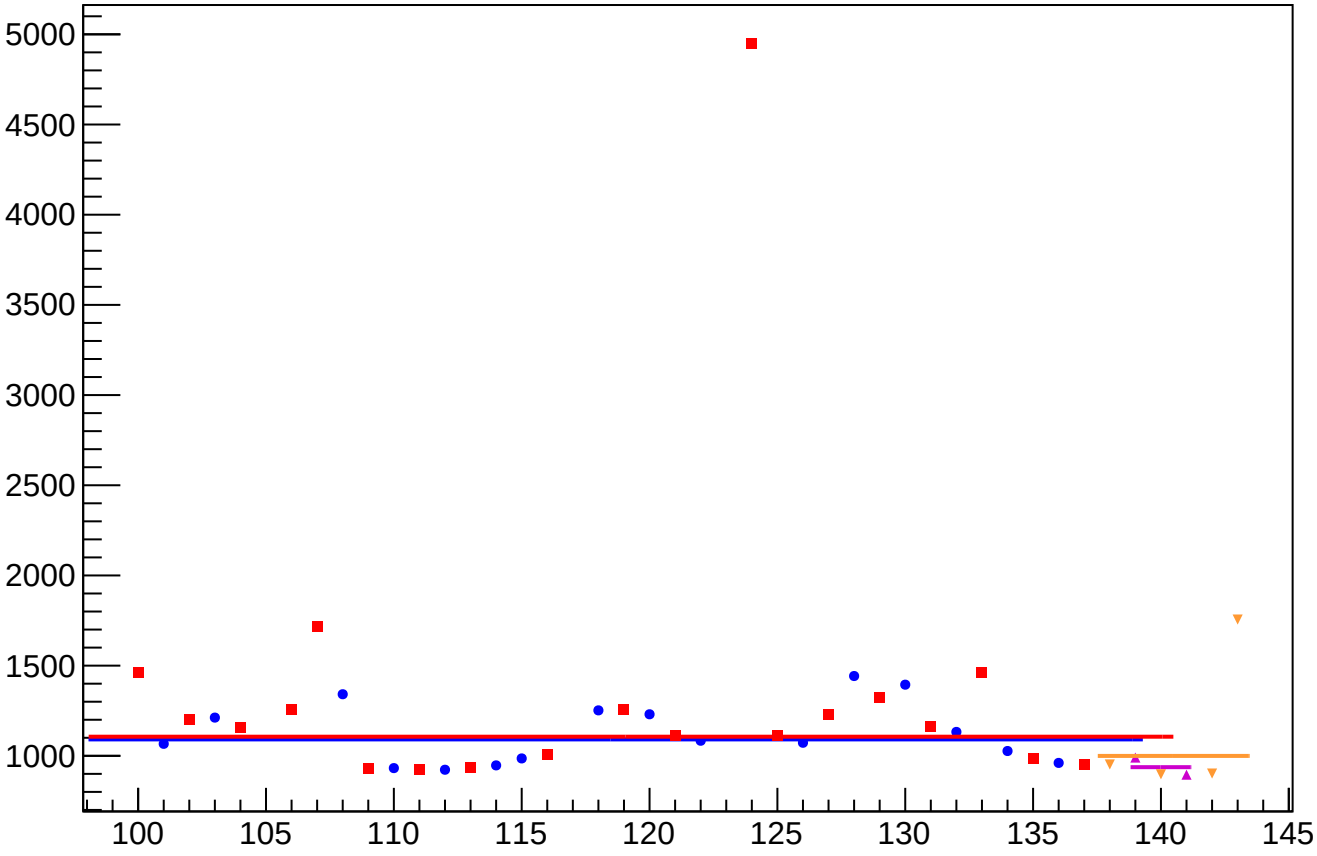
Left In: 1238.179+/-713.162 χ^2/NDF:0.1/1

+ sign 10.607+/-339.767 χ^2/NDF: 15.3/19

All: 351.741+/-245.896 χ^2/NDF: 24.9/40

- sign 726.928+/-356.322 χ^2/NDF: 7.5/20

asym_us_agg_dd_rms vs Slug



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

Left Out: 999.500+/-0.429 χ^2/NDF:338670.4/3

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

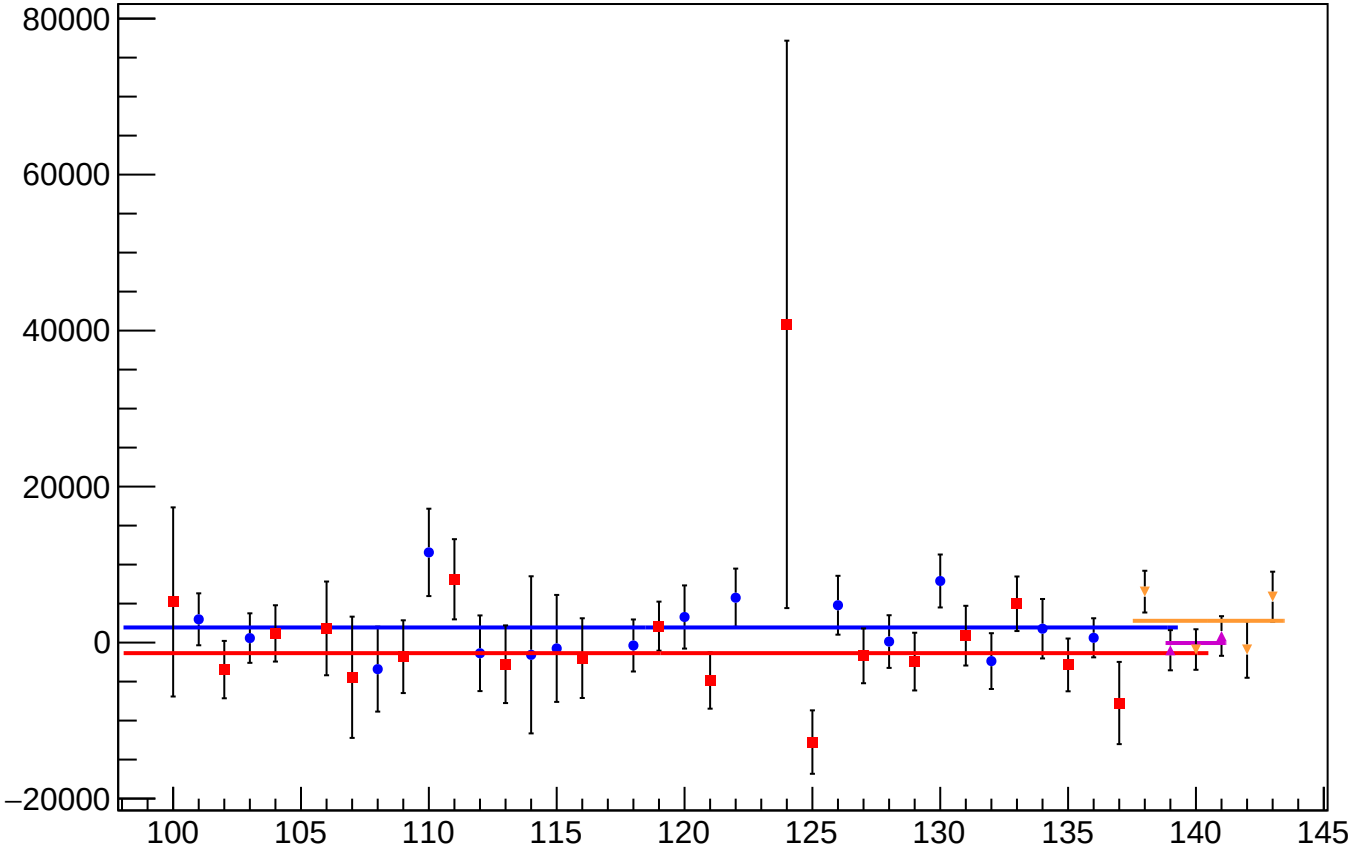
Left In: 937.140+/-0.504 χ^2/NDF:8716.9/1

+ sign 1062.379+/-0.240 χ^2/NDF: 647198.8/19

All: 1063.094+/-0.174 χ^2/NDF: 1254213.5/40

- sign 1063.881+/-0.252 χ^2/NDF: 606996.1/20

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2791.938+/-1472.096 χ^2/NDF:5.9/3

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

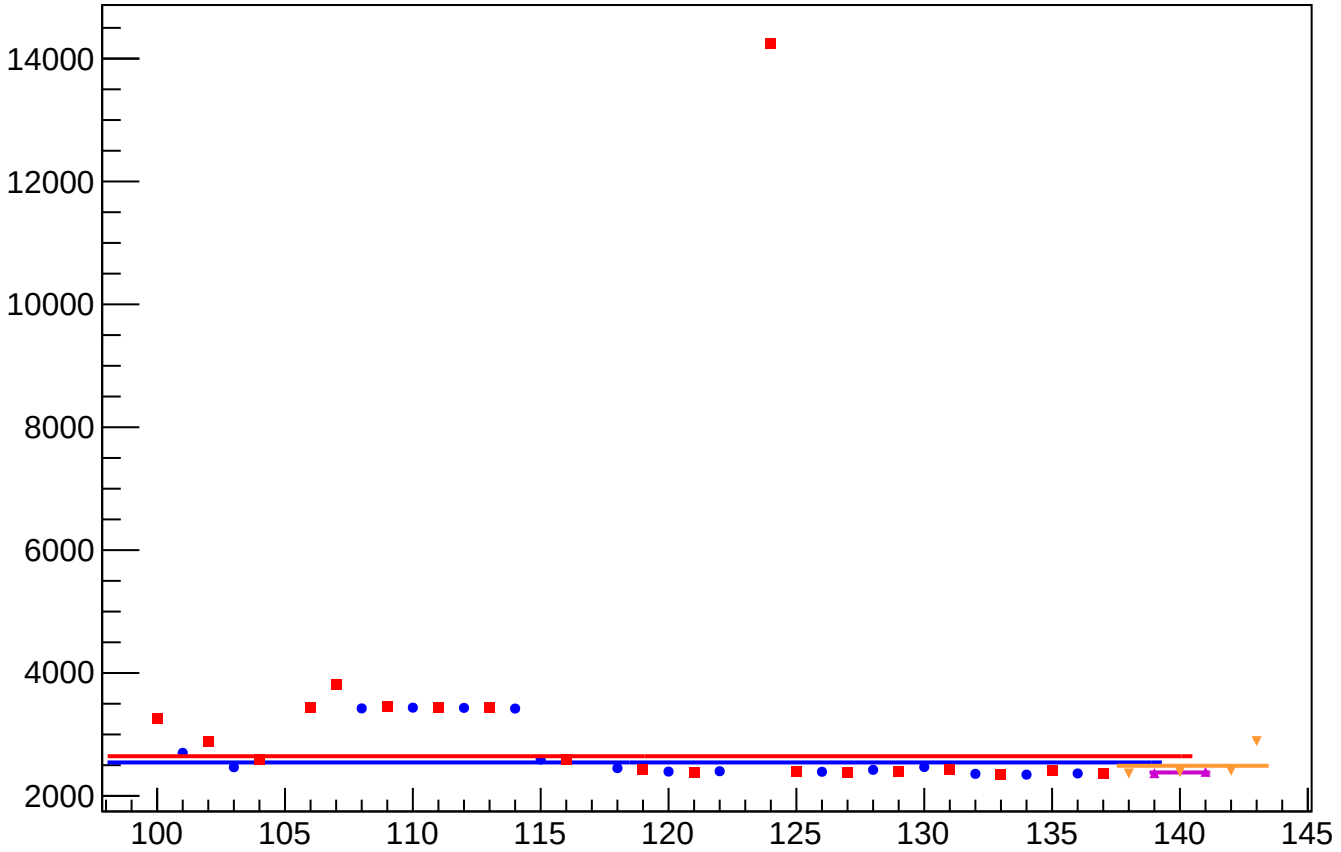
Left In: -54.731+/-1809.585 χ^2/NDF:0.3/1

+ sign 2191.185+/-799.721 χ^2/NDF: 18.4/19

All: 694.893+/-587.280 χ^2/NDF: 48.5/40

- sign -1056.534+/-865.219 χ^2/NDF: 22.4/20

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

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

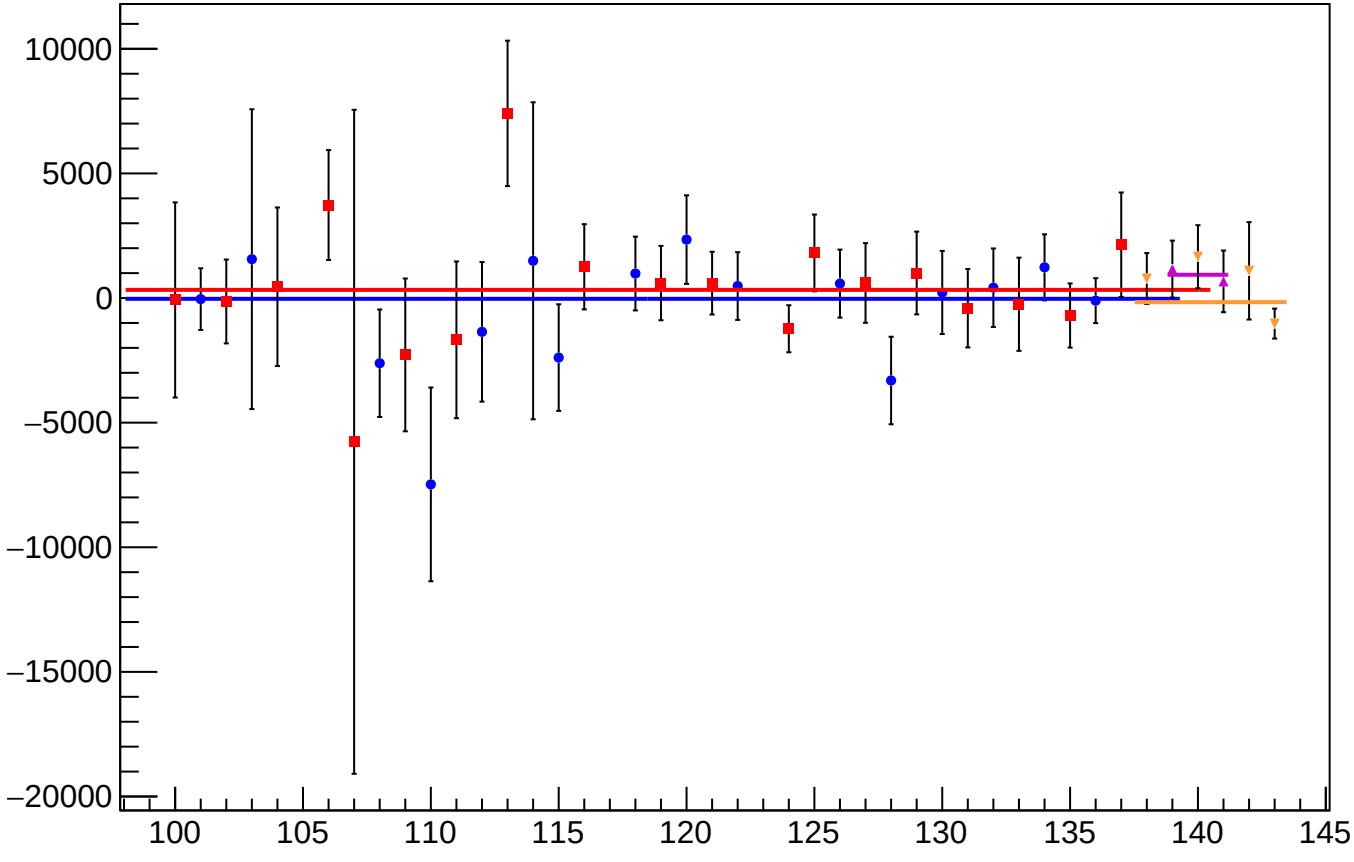
Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

+ sign 2528.380+/-0.565 χ^2/NDF: 267437.5/19

All: 2554.562+/-0.415 χ^2/NDF: 842054.9/40

- sign 2585.208+/-0.612 χ^2/NDF: 569964.7/20

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: -165.576+/-465.766 χ^2/NDF:5.4/3

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

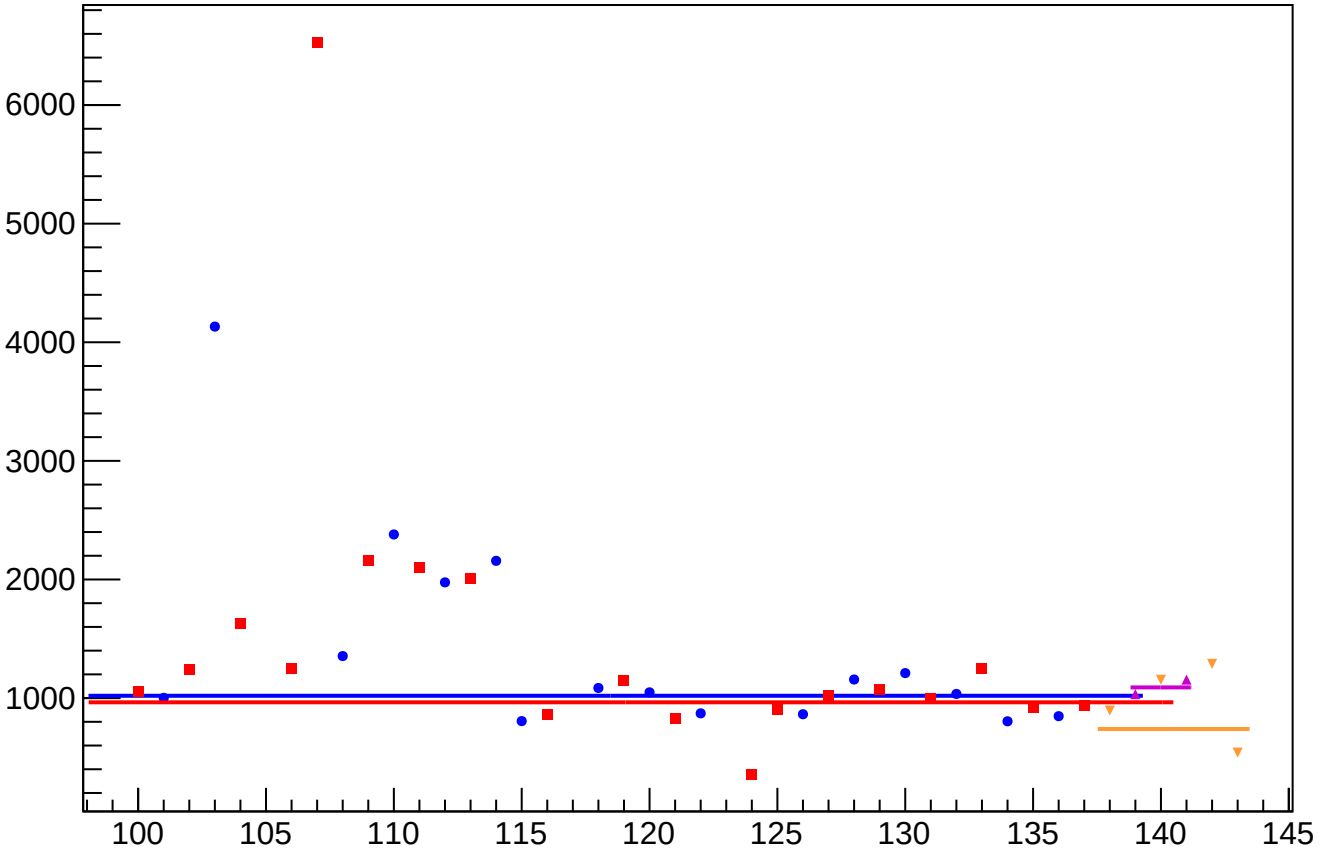
Left In: 934.475+/-839.153 χ^2/NDF:0.1/1

+ sign -89.170+/-305.931 χ^2/NDF: 19.2/19

All: 132.724+/-233.129 χ^2/NDF: 36.6/40

- sign 440.019+/-360.022 χ^2/NDF: 16.1/20

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 739.647+/-0.329 χ^2/NDF:639200.1/3

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

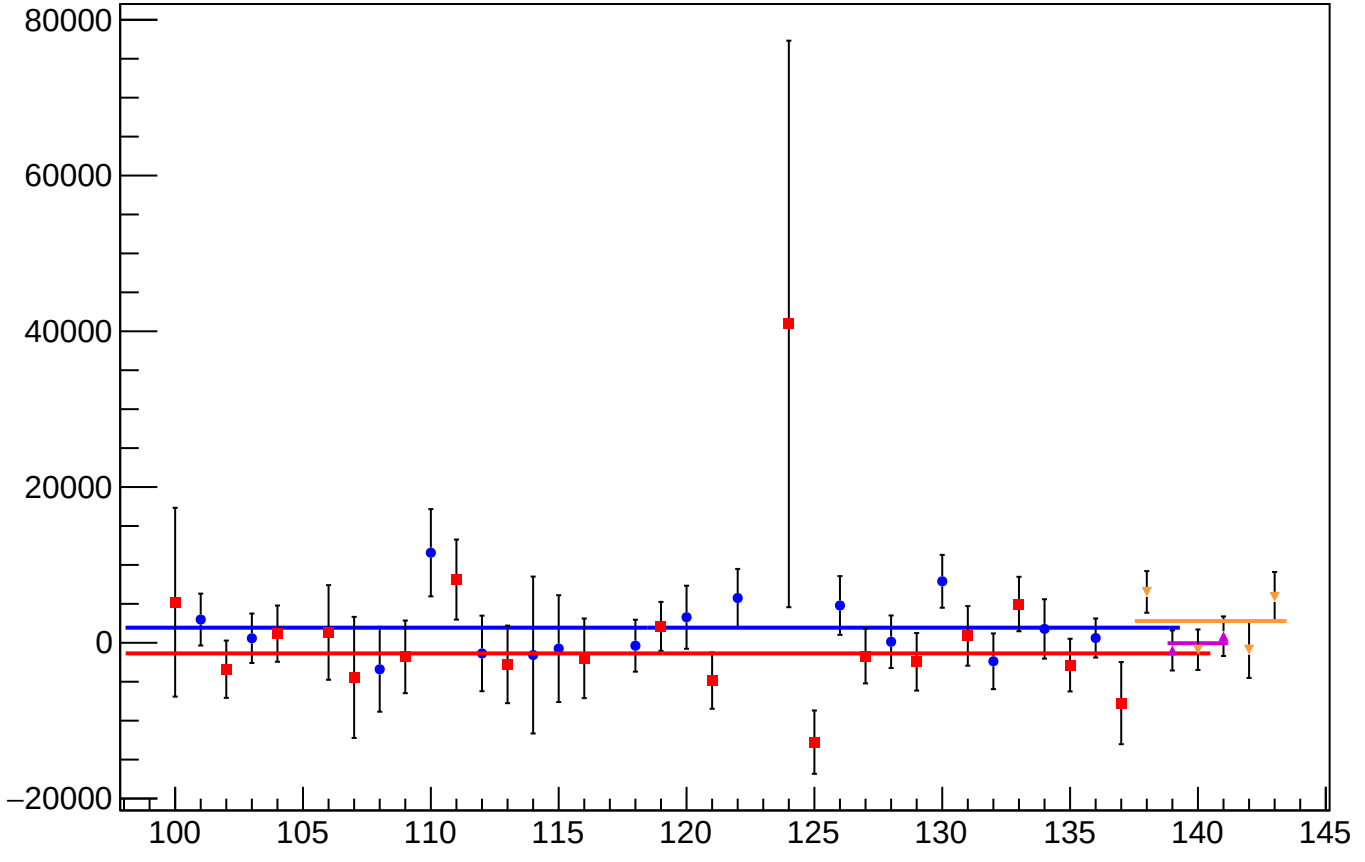
Left In: 1090.023+/-0.593 χ^2/NDF:10494.6/1

+ sign 898.775+/-0.216 χ^2/NDF: 2414534.7/19

All: 935.981+/-0.165 χ^2/NDF: 4841516.2/40

- sign 987.506+/-0.255 χ^2/NDF: 2356437.2/20

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2792.031+/-1472.096 χ^2/NDF:5.9/3

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

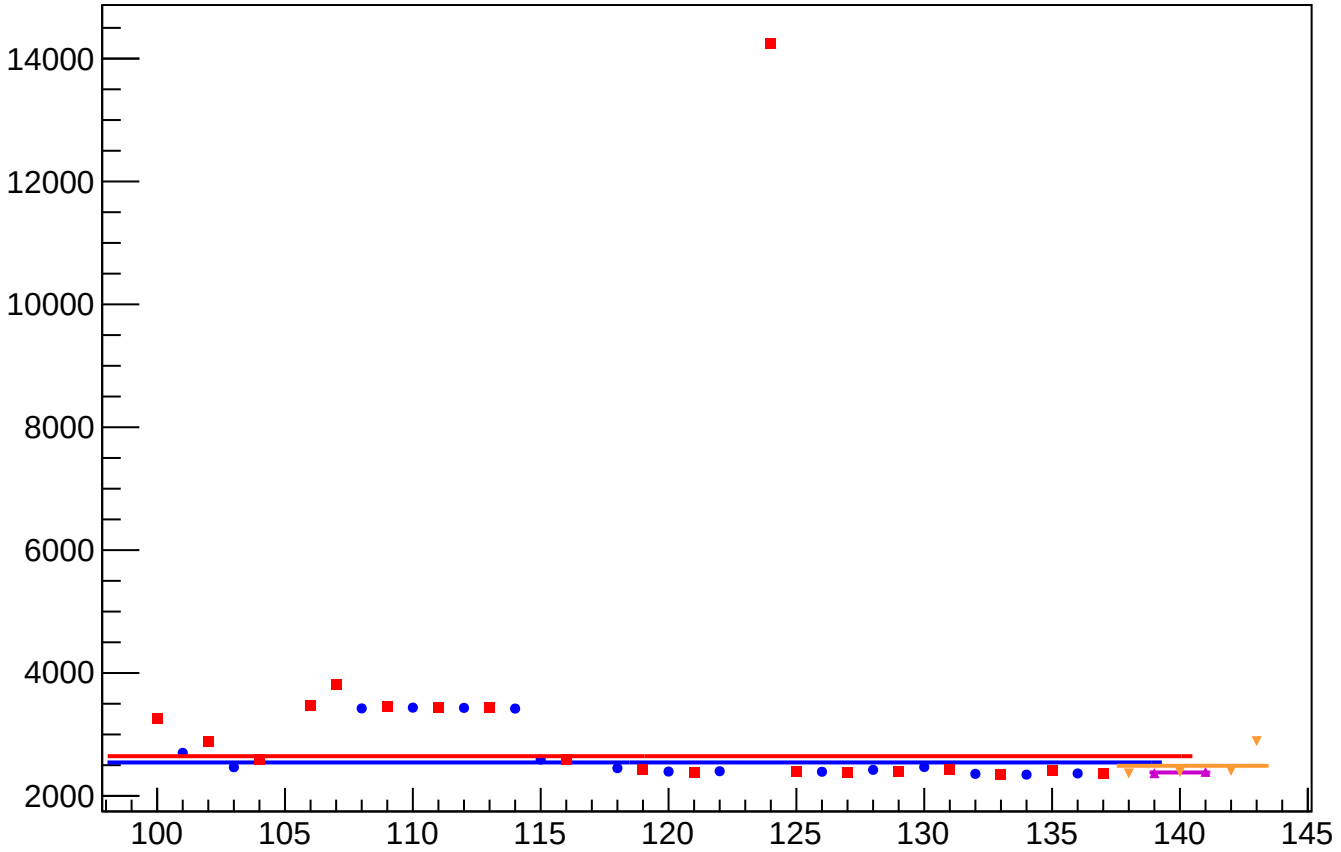
Left In: -55.230+/-1809.585 χ^2/NDF:0.3/1

+ sign 2191.458+/-799.721 χ^2/NDF: 18.4/19

All: 691.999+/-587.344 χ^2/NDF: 48.4/40

- sign -1063.960+/-865.423 χ^2/NDF: 22.4/20

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

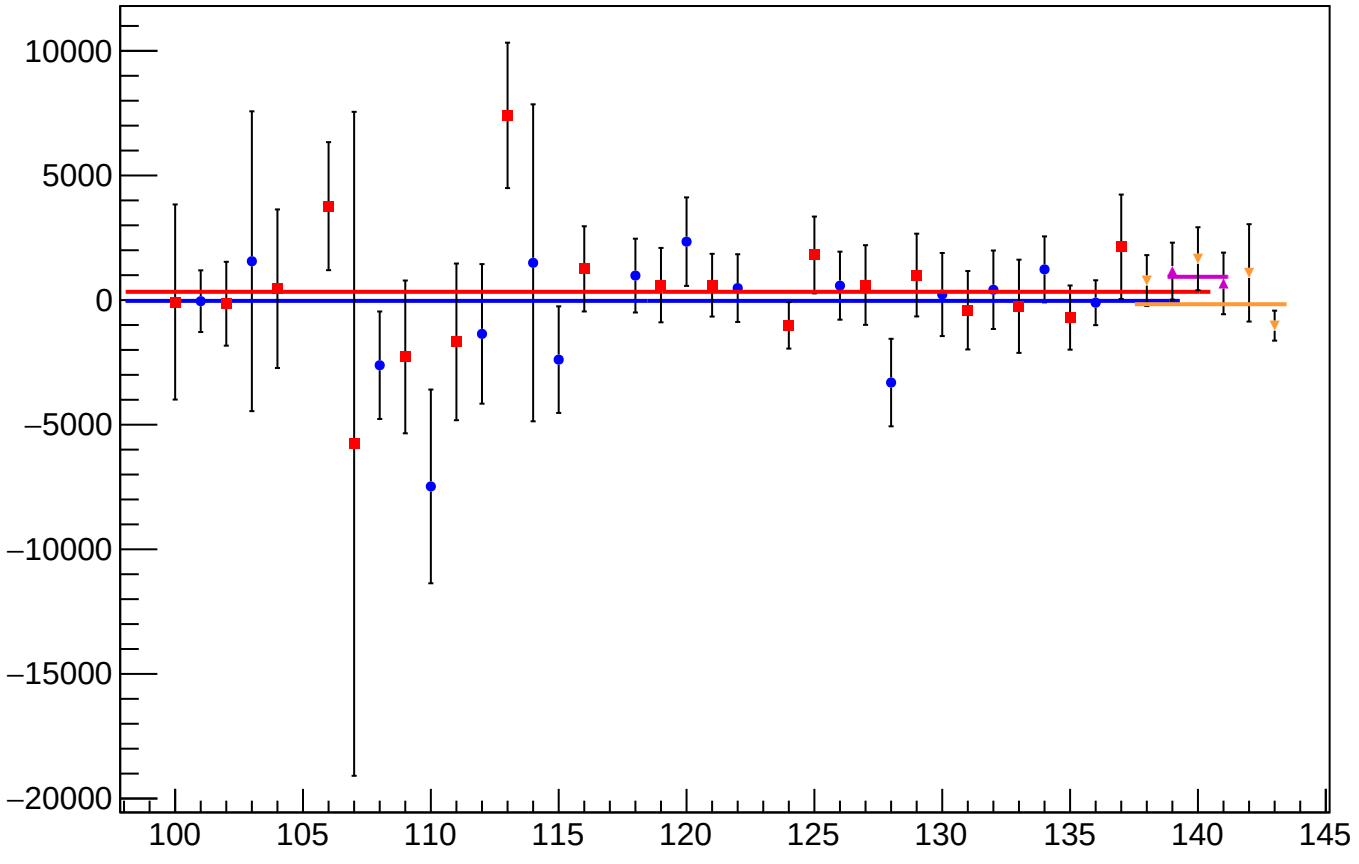
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

+ sign 2528.380+/-0.565 χ^2/NDF: 267437.4/19

All: 2554.740+/-0.415 χ^2/NDF: 844835.2/40

- sign 2585.608+/-0.612 χ^2/NDF: 572680.4/20



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: -165.438+/-465.782 χ^2/NDF:5.4/3

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

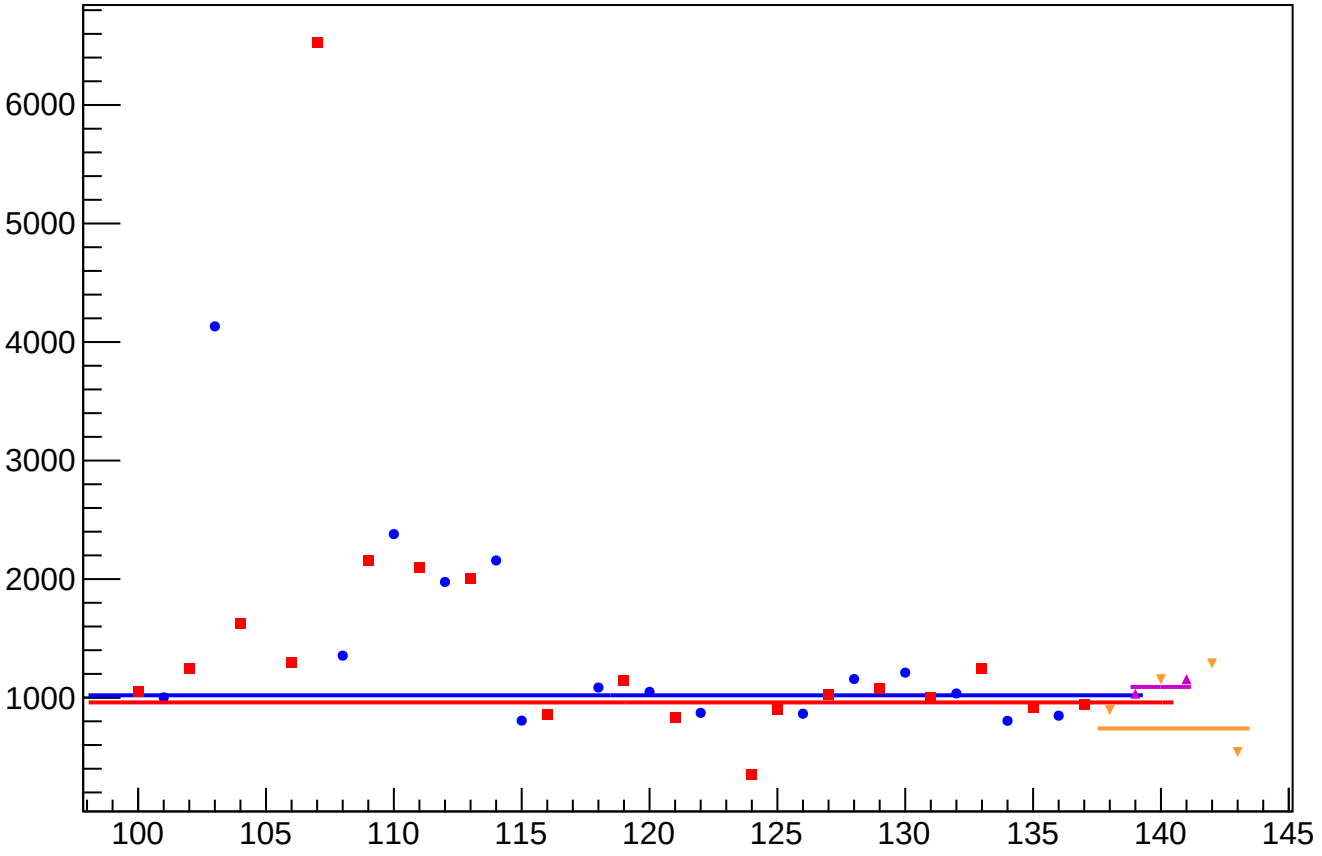
Left In: 934.483+/-839.155 χ^2/NDF:0.1/1

\+ sign -89.142+/-305.935 χ^2/NDF: 19.2/19

All: 133.676+/-233.284 χ^2/NDF: 35.4/40

\- sign 443.214+/-360.587 χ^2/NDF: 14.9/20

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 739.679+/-0.329 χ^2/NDF:639119.8/3

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

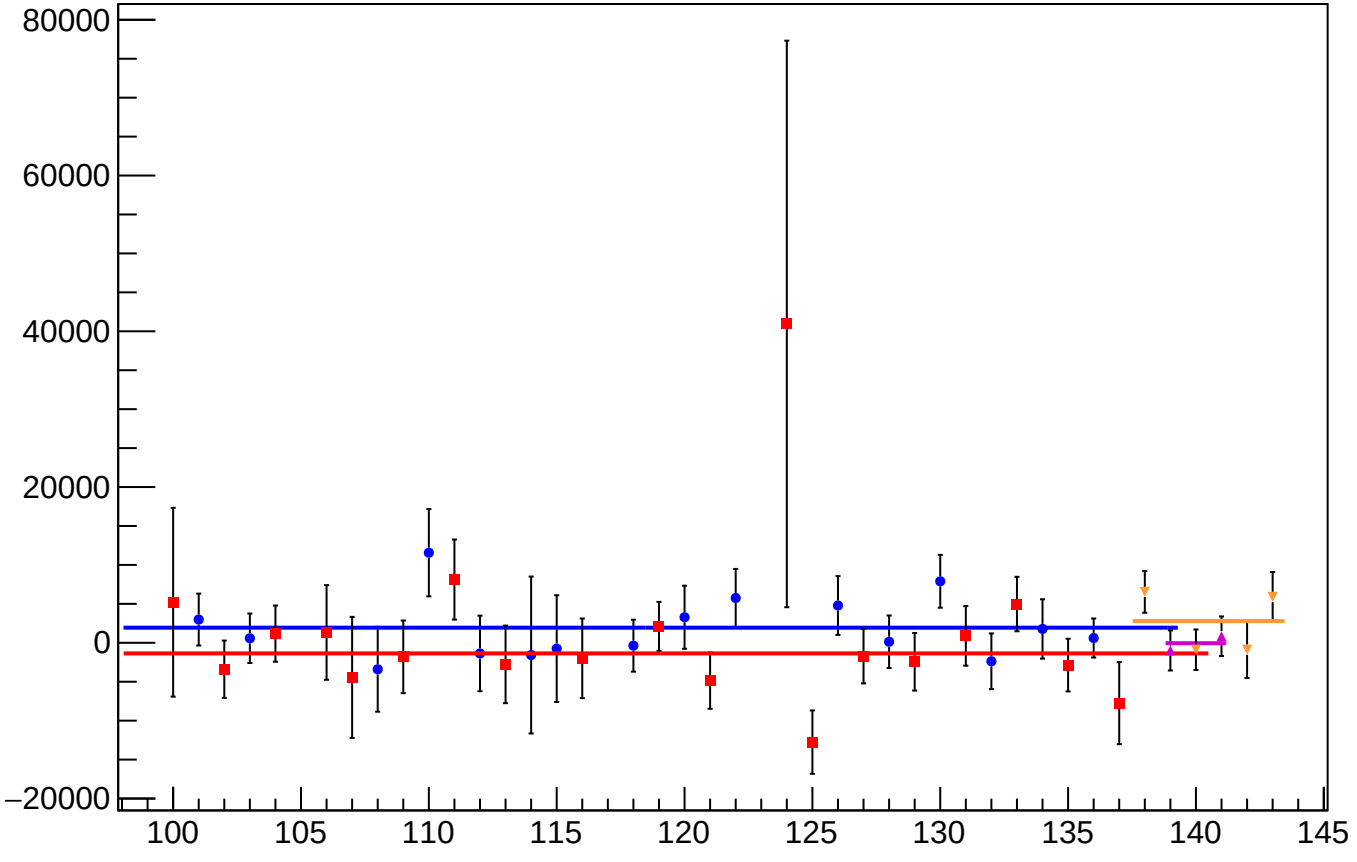
Left In: 1090.023+/-0.593 χ^2/NDF:10496.3/1

+ sign 898.790+/-0.216 χ^2/NDF: 2414318.5/19

All: 934.234+/-0.165 χ^2/NDF: 4872934.0/40

- sign 983.473+/-0.255 χ^2/NDF: 2394477.0/20

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2792.031+/-1472.096 χ^2/NDF:5.9/3

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

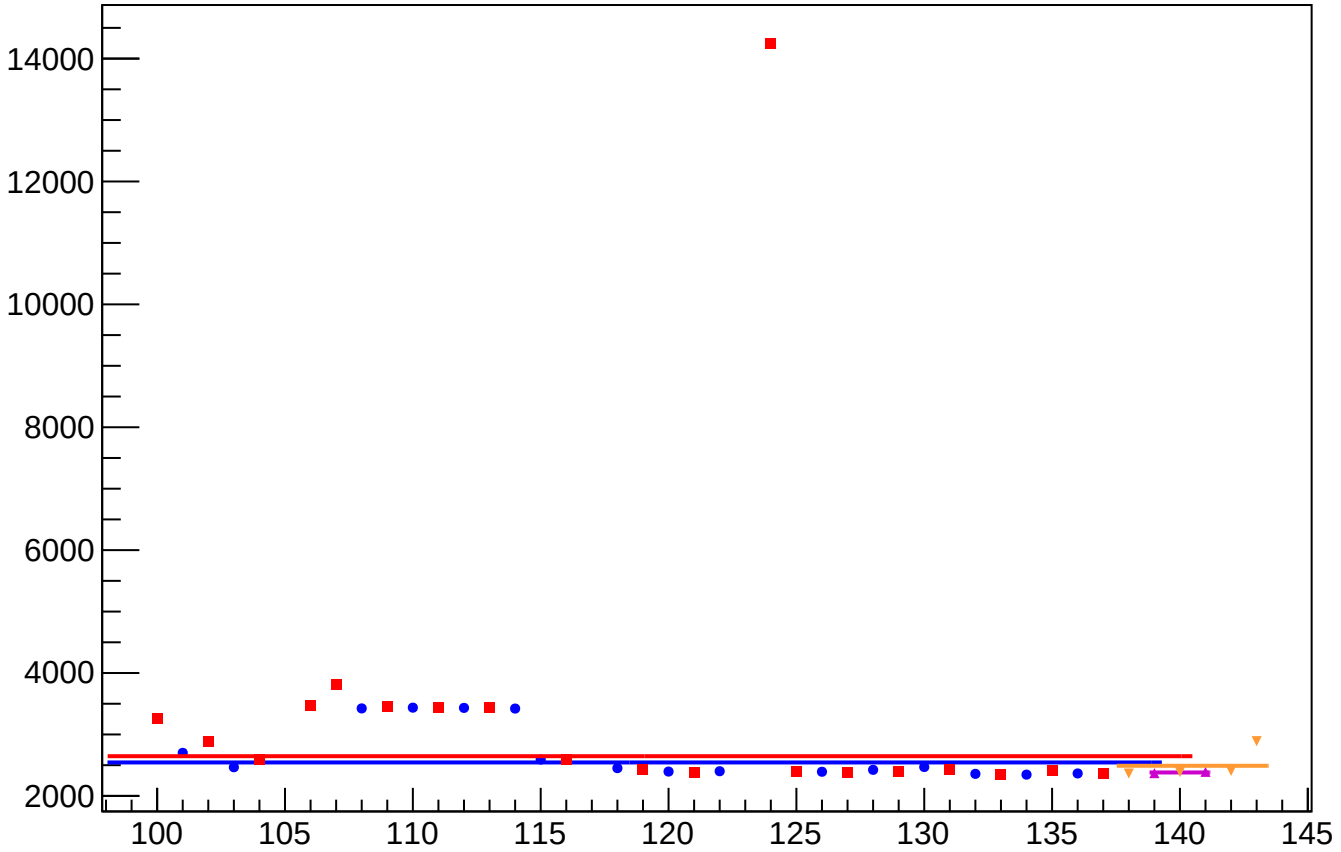
Left In: -55.230+/-1809.585 χ^2/NDF:0.3/1

+ sign 2191.458+/-799.721 χ^2/NDF: 18.4/19

All: 691.999+/-587.344 χ^2/NDF: 48.4/40

- sign -1063.960+/-865.423 χ^2/NDF: 22.4/20

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

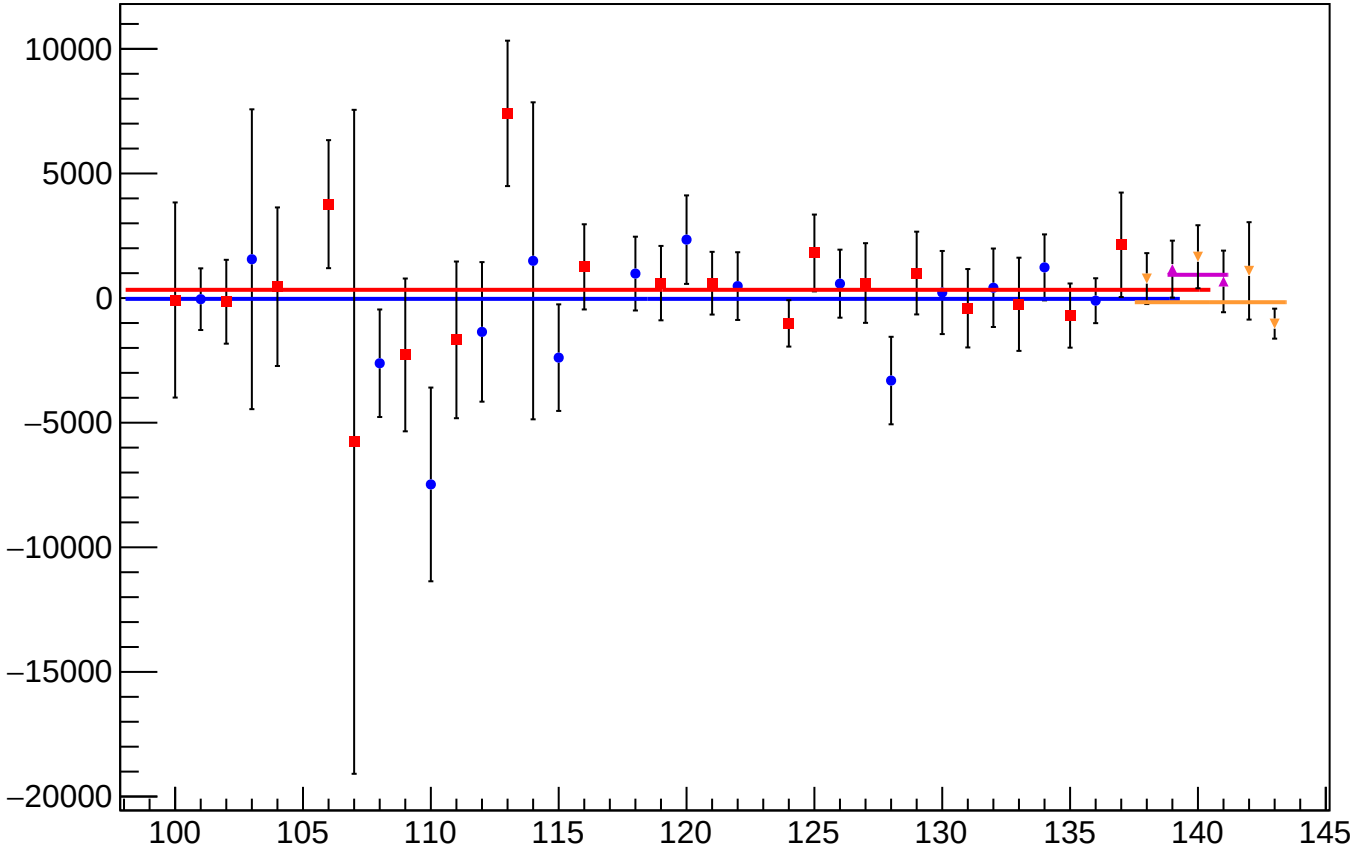
Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

+ sign 2528.380+/-0.565 χ^2/NDF: 267437.4/19

All: 2554.740+/-0.415 χ^2/NDF: 844835.2/40

- sign 2585.608+/-0.612 χ^2/NDF: 572680.4/20

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: -165.438+/-465.782 χ^2/NDF:5.4/3

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

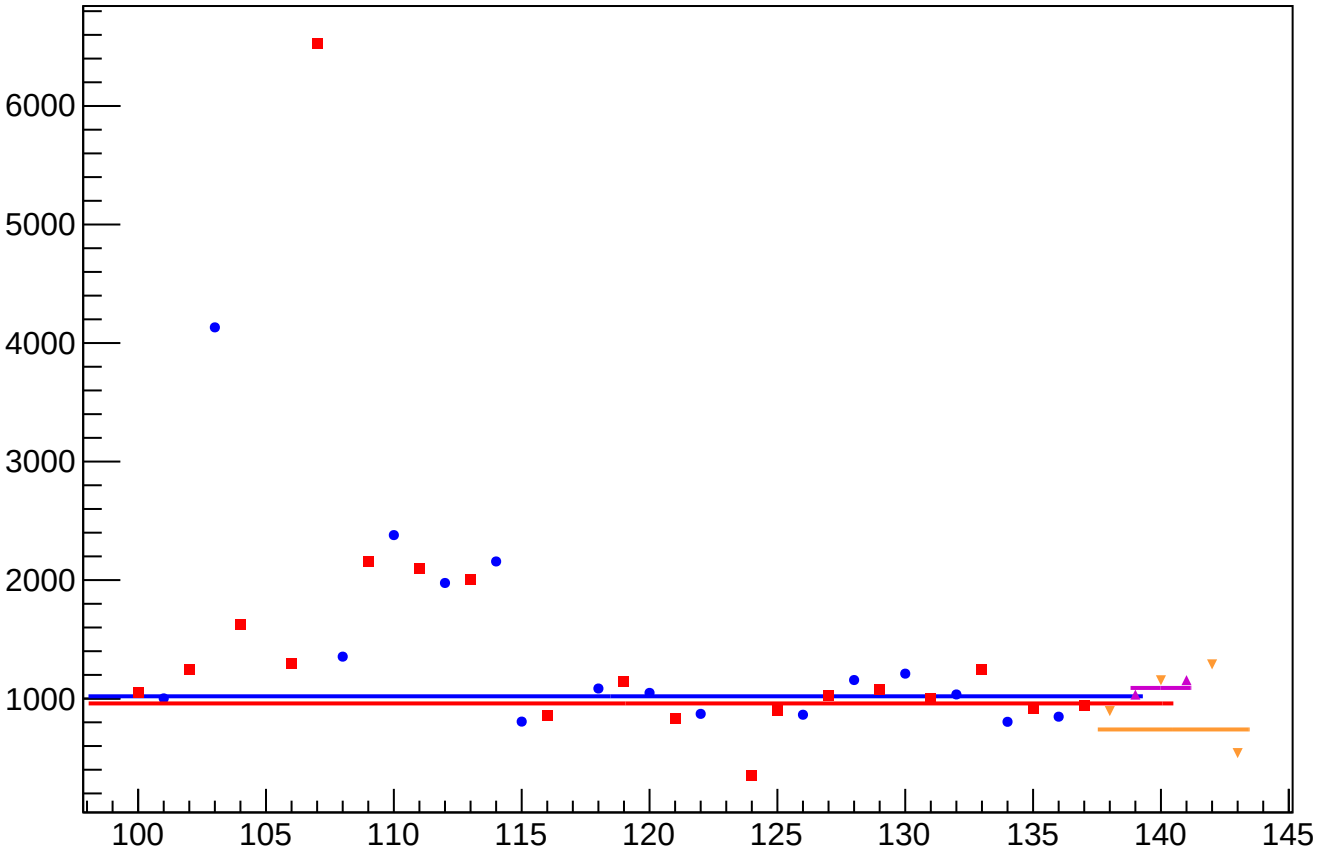
Left In: 934.483+/-839.155 χ^2/NDF:0.1/1

+ sign -89.142+/-305.935 χ^2/NDF: 19.2/19

All: 133.676+/-233.284 χ^2/NDF: 35.4/40

- sign 443.214+/-360.587 χ^2/NDF: 14.9/20

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 739.679+/-0.329 χ^2/NDF:639119.8/3

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

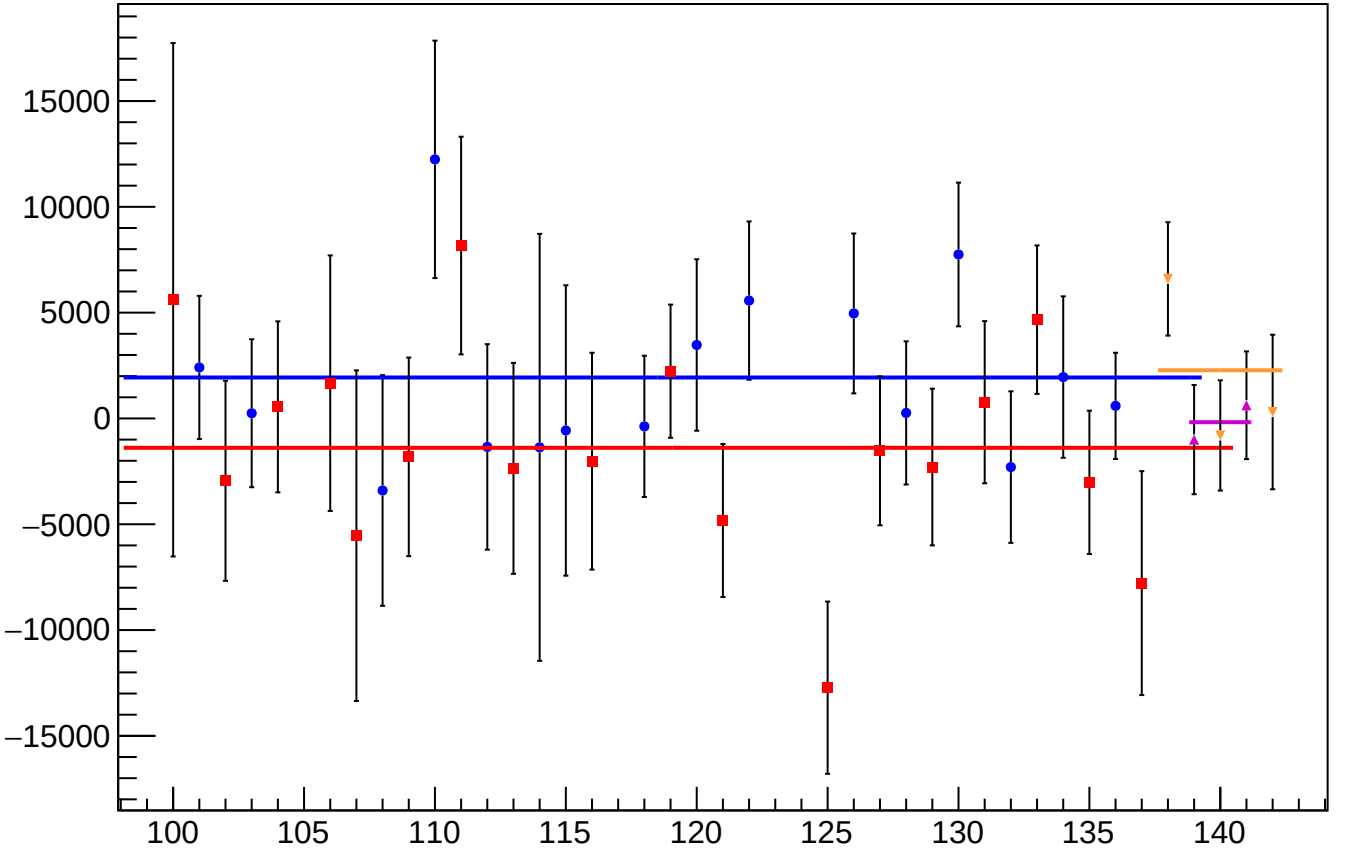
Left In: 1090.023+/-0.593 χ^2/NDF:10496.3/1

+ sign 898.790+/-0.216 χ^2/NDF: 2414318.5/19

All: 934.234+/-0.165 χ^2/NDF: 4872934.0/40

- sign 983.473+/-0.255 χ^2/NDF: 2394477.0/20

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2276.239+/-1662.915 χ^2/NDF:4.3/2

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

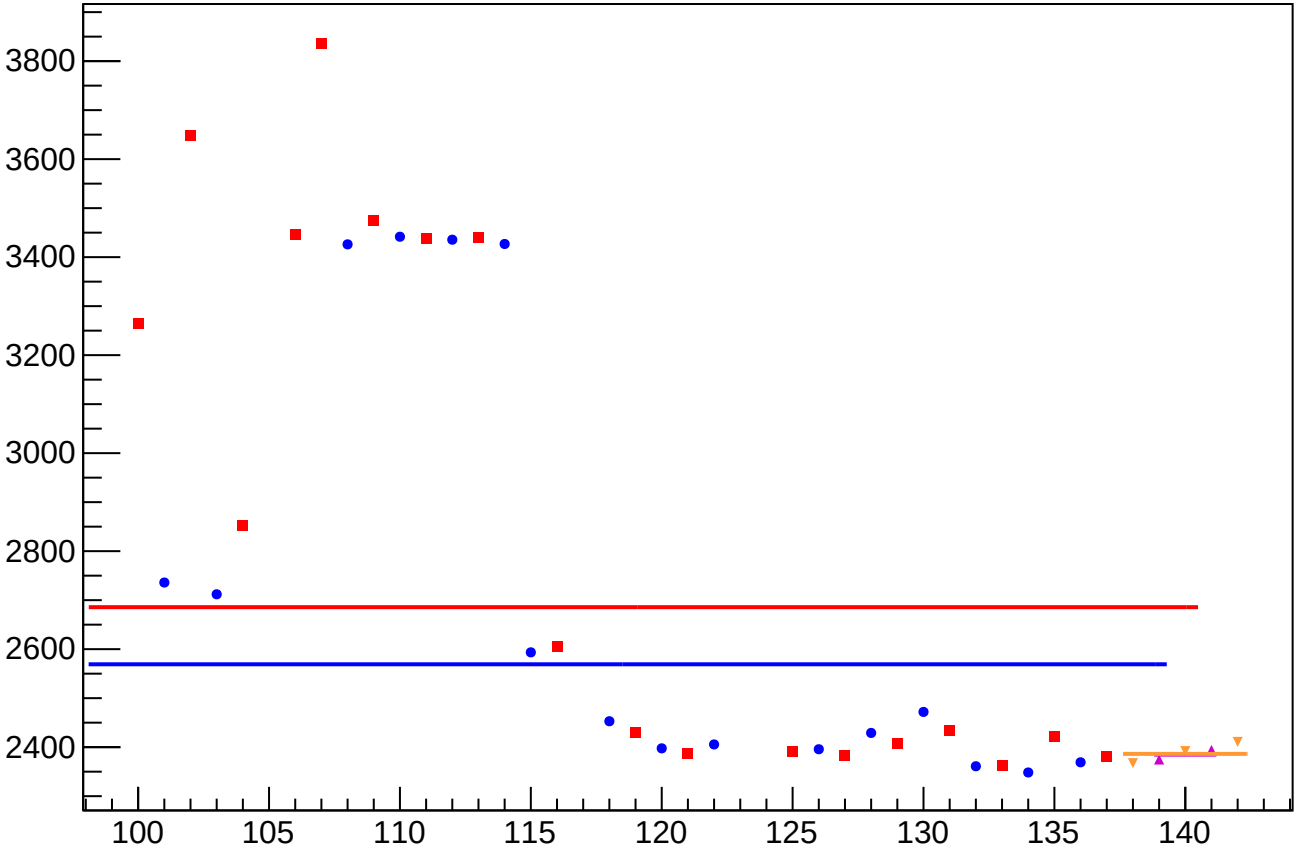
Left In: -176.863+/-1812.283 χ^2/NDF:0.2/1

+ sign 2021.351+/-832.910 χ^2/NDF: 16.7/18

All: 548.846+/-605.452 χ^2/NDF: 43.6/38

- sign -1101.020+/-881.645 χ^2/NDF: 20.3/19

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2386.320+/-1.176 χ^2/NDF:199.7/2

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

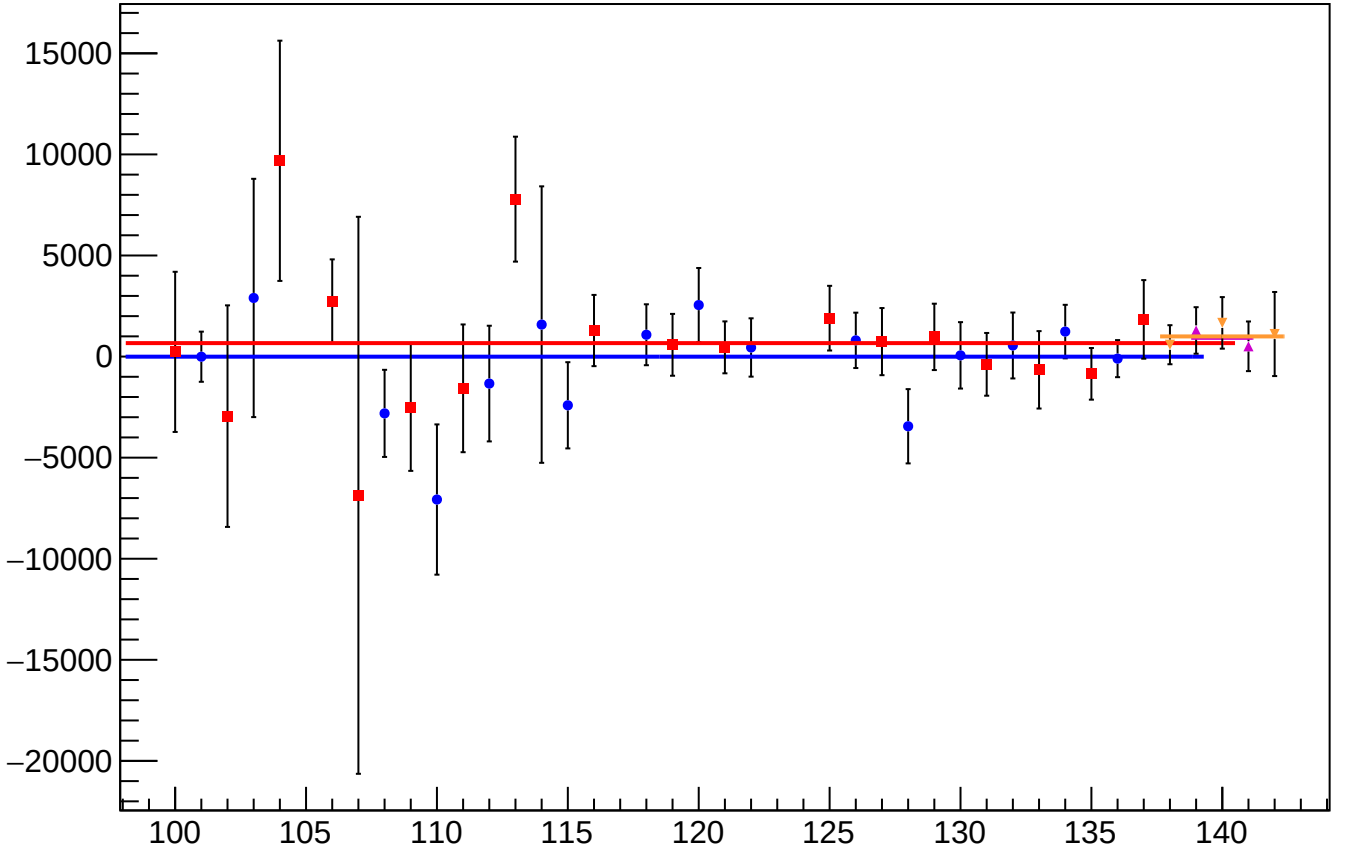
Left In: 2384.737+/-1.281 χ^2/NDF:57.7/1

+ sign 2523.268+/-0.589 χ^2/NDF: 247794.1/18

All: 2566.270+/-0.428 χ^2/NDF: 720517.7/38

- sign 2614.453+/-0.623 χ^2/NDF: 461419.1/19

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 996.582+/-722.184 χ^2/NDF:0.5/2

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

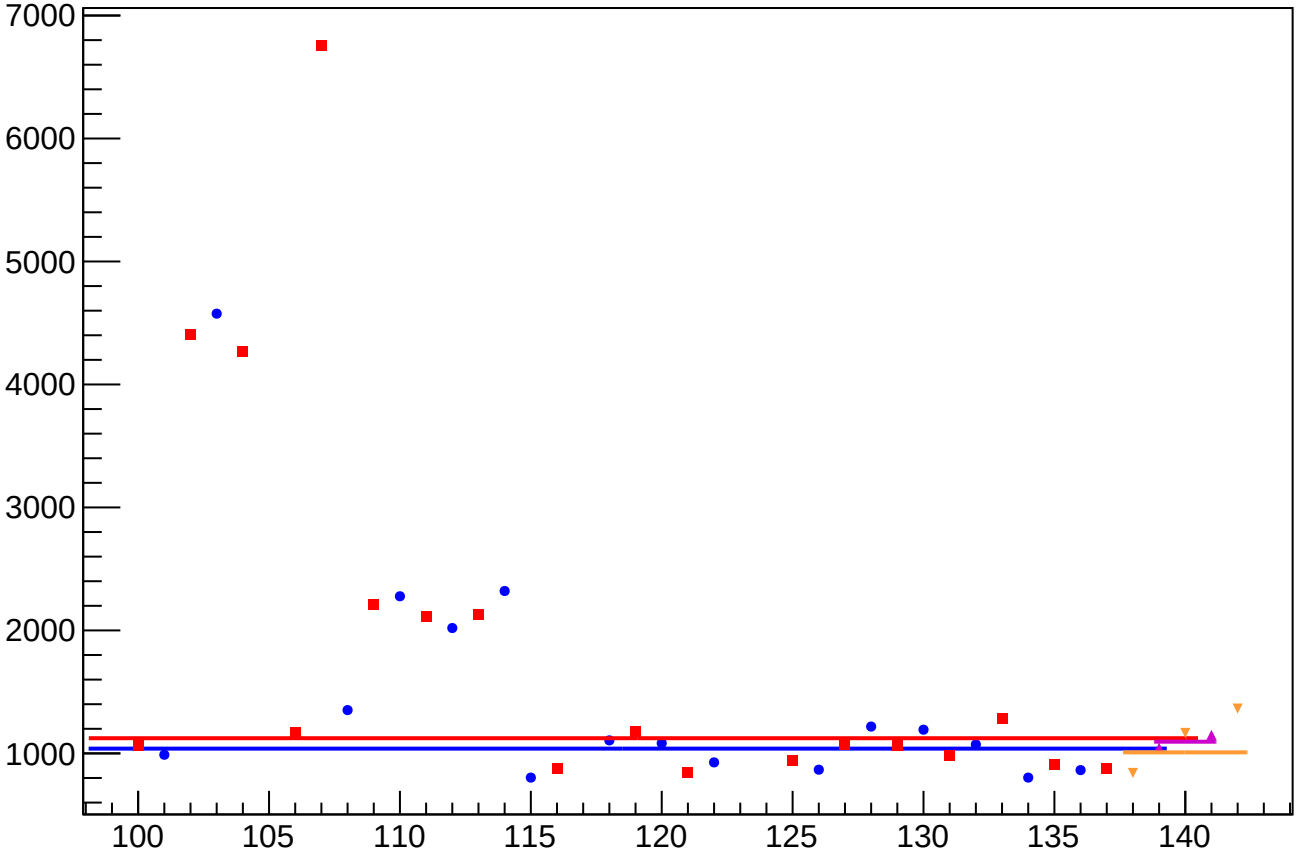
Left In: 925.971+/-839.469 χ^2/NDF:0.2/1

+ sign 241.030+/-358.023 χ^2/NDF: 16.4/18

All: 454.552+/-267.875 χ^2/NDF: 31.9/38

- sign 726.101+/-403.751 χ^2/NDF: 14.7/19

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 1008.422+/-0.511 χ^2/NDF:149396.6/2

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

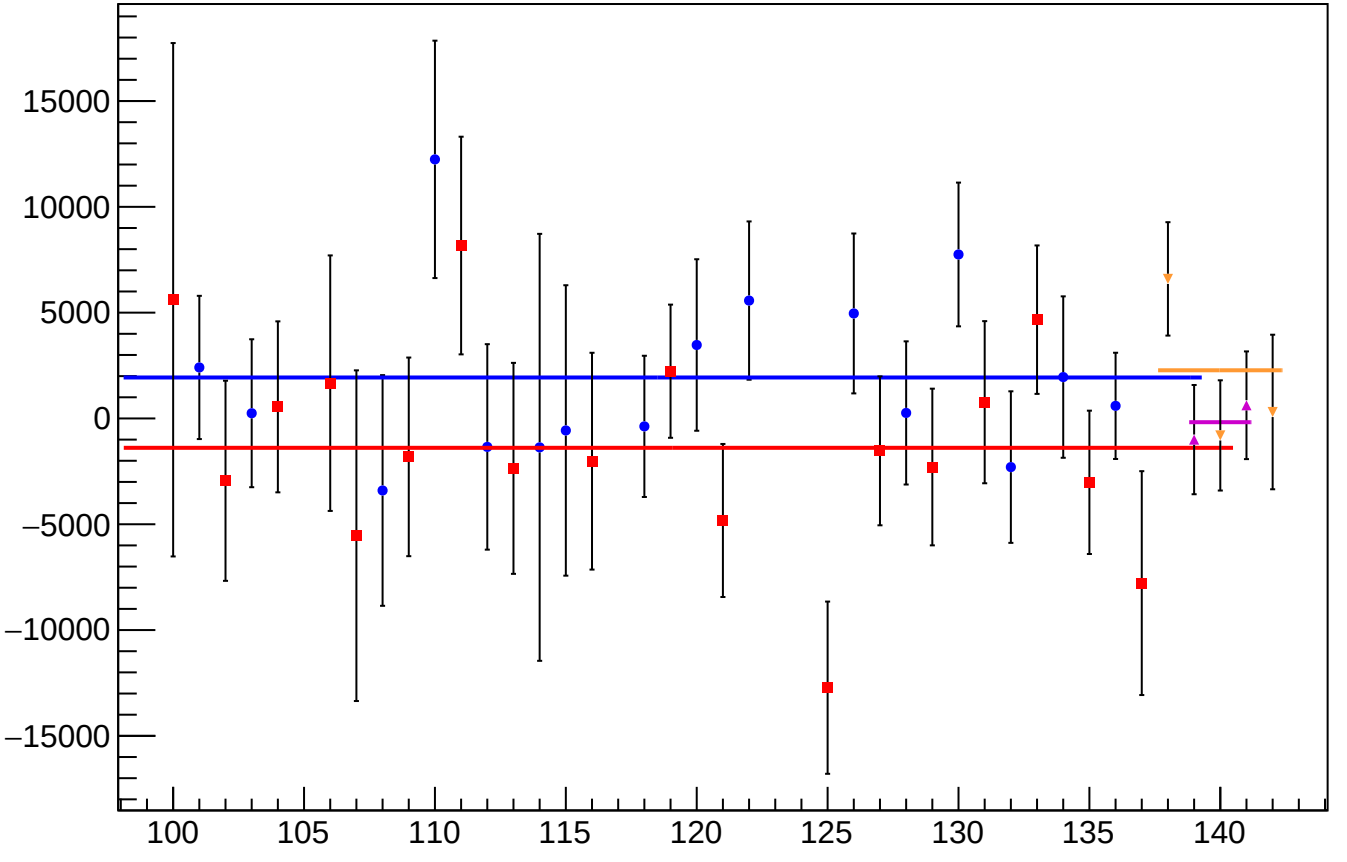
Left In: 1095.051+/-0.594 χ^2/NDF:7688.1/1

+ sign 1031.336+/-0.253 χ^2/NDF: 1691797.2/18

All: 1069.000+/-0.189 χ^2/NDF: 4287042.0/38

- sign 1116.899+/-0.285 χ^2/NDF: 2544962.3/19

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2276.241+/-1662.915 χ^2/NDF:4.3/2

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

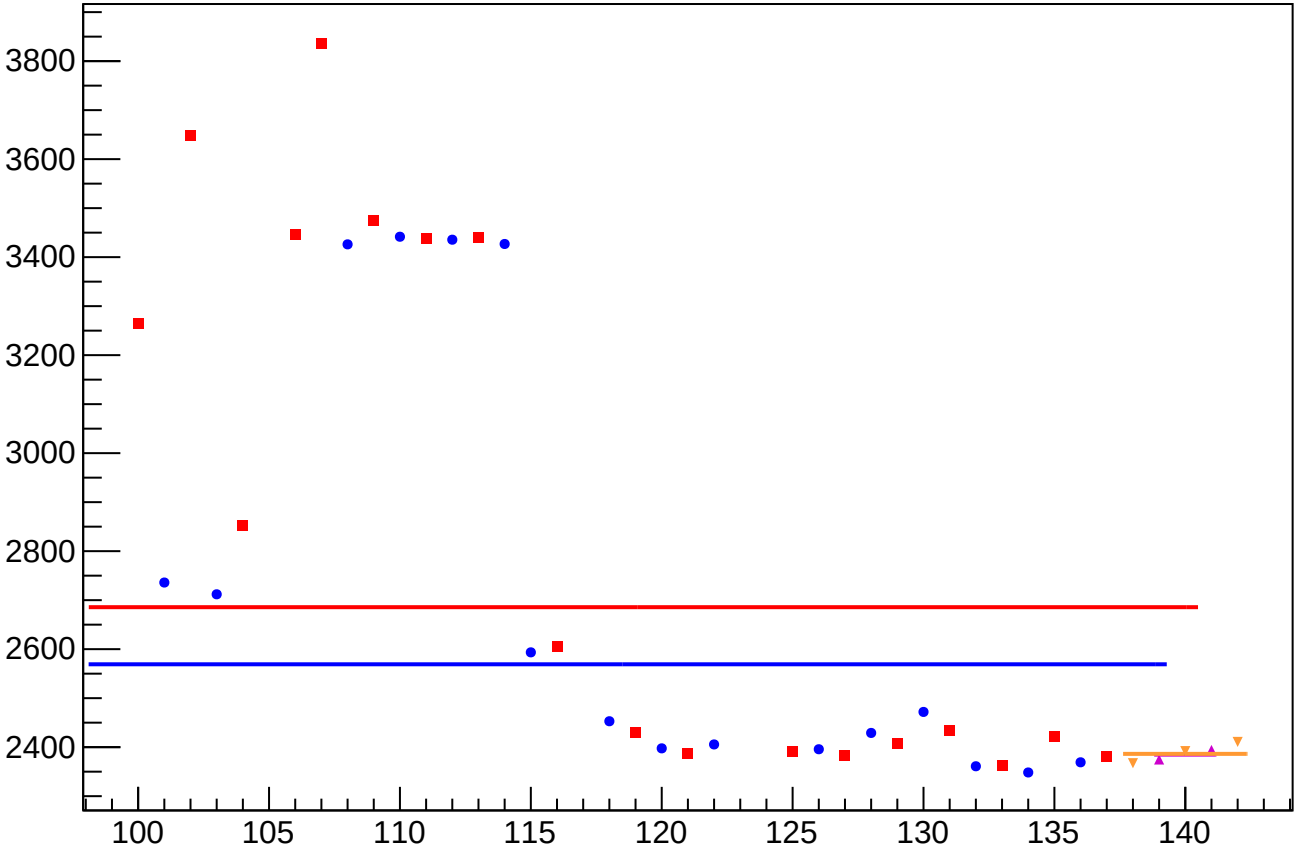
Left In: -176.862+/-1812.283 χ^2/NDF:0.2/1

+ sign 2021.349+/-832.909 χ^2/NDF: 16.7/18

All: 548.845+/-605.452 χ^2/NDF: 43.6/38

- sign -1101.018+/-881.645 χ^2/NDF: 20.3/19

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2386.320+/-1.176 χ^2/NDF:199.7/2

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

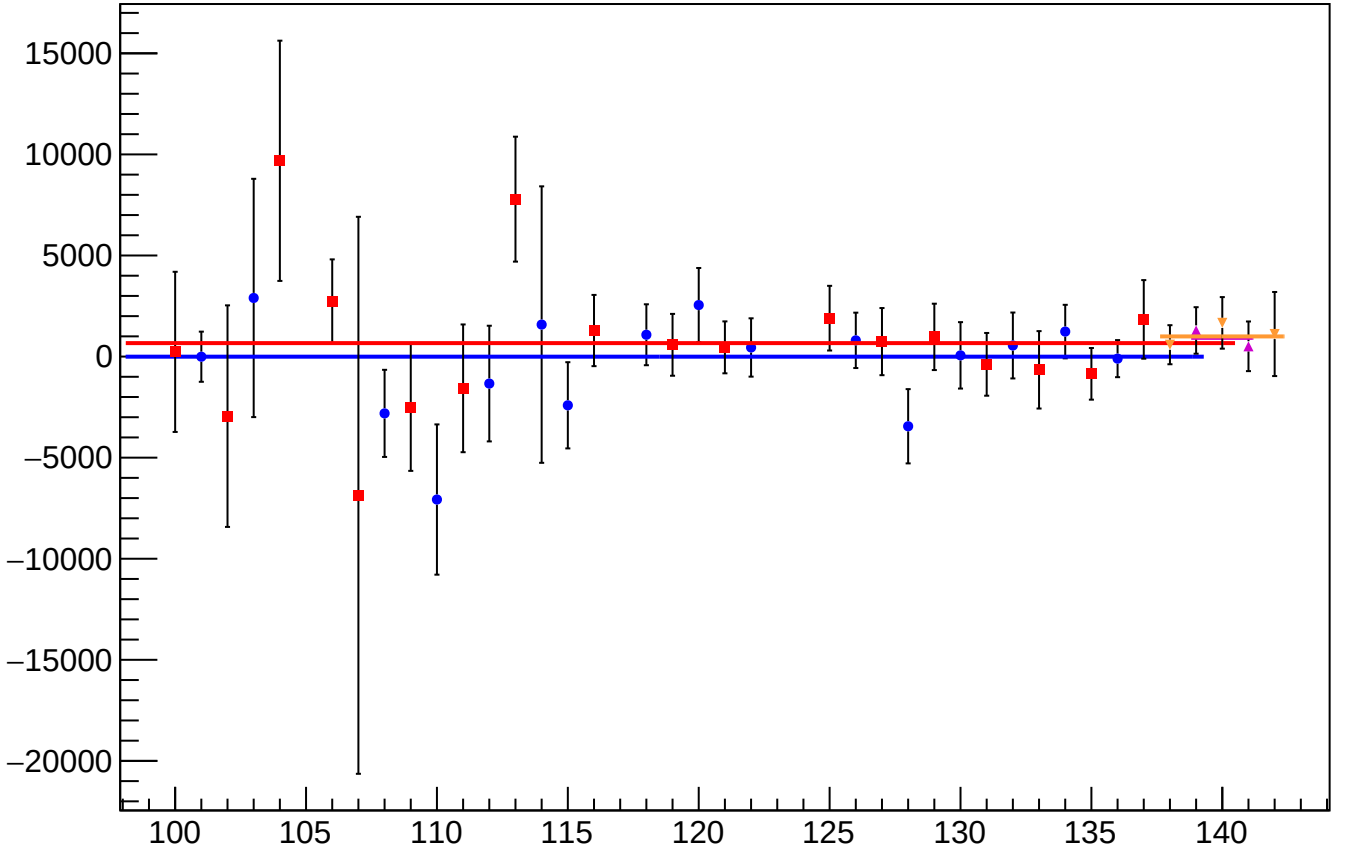
Left In: 2384.737+/-1.281 χ^2/NDF:57.7/1

+ sign 2523.267+/-0.589 χ^2/NDF: 247793.7/18

All: 2566.270+/-0.428 χ^2/NDF: 720516.7/38

- sign 2614.453+/-0.623 χ^2/NDF: 461418.4/19

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 996.584+/-722.184 χ^2/NDF:0.5/2

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

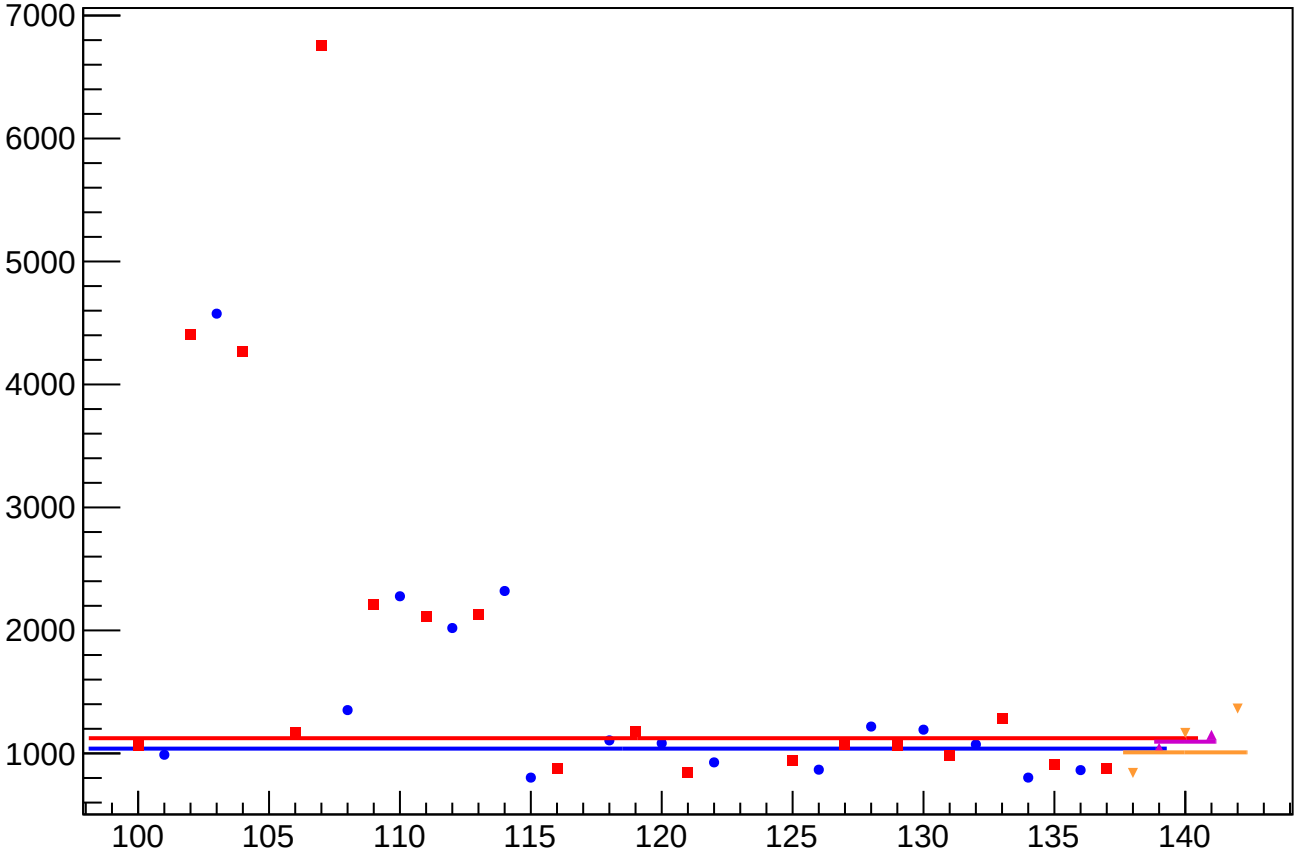
Left In: 925.974+/-839.470 χ^2/NDF:0.2/1

+ sign 241.028+/-358.023 χ^2/NDF: 16.4/18

All: 454.551+/-267.875 χ^2/NDF: 31.9/38

- sign 726.102+/-403.751 χ^2/NDF: 14.7/19

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 1008.423+/-0.511 χ^2/NDF:149397.4/2

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

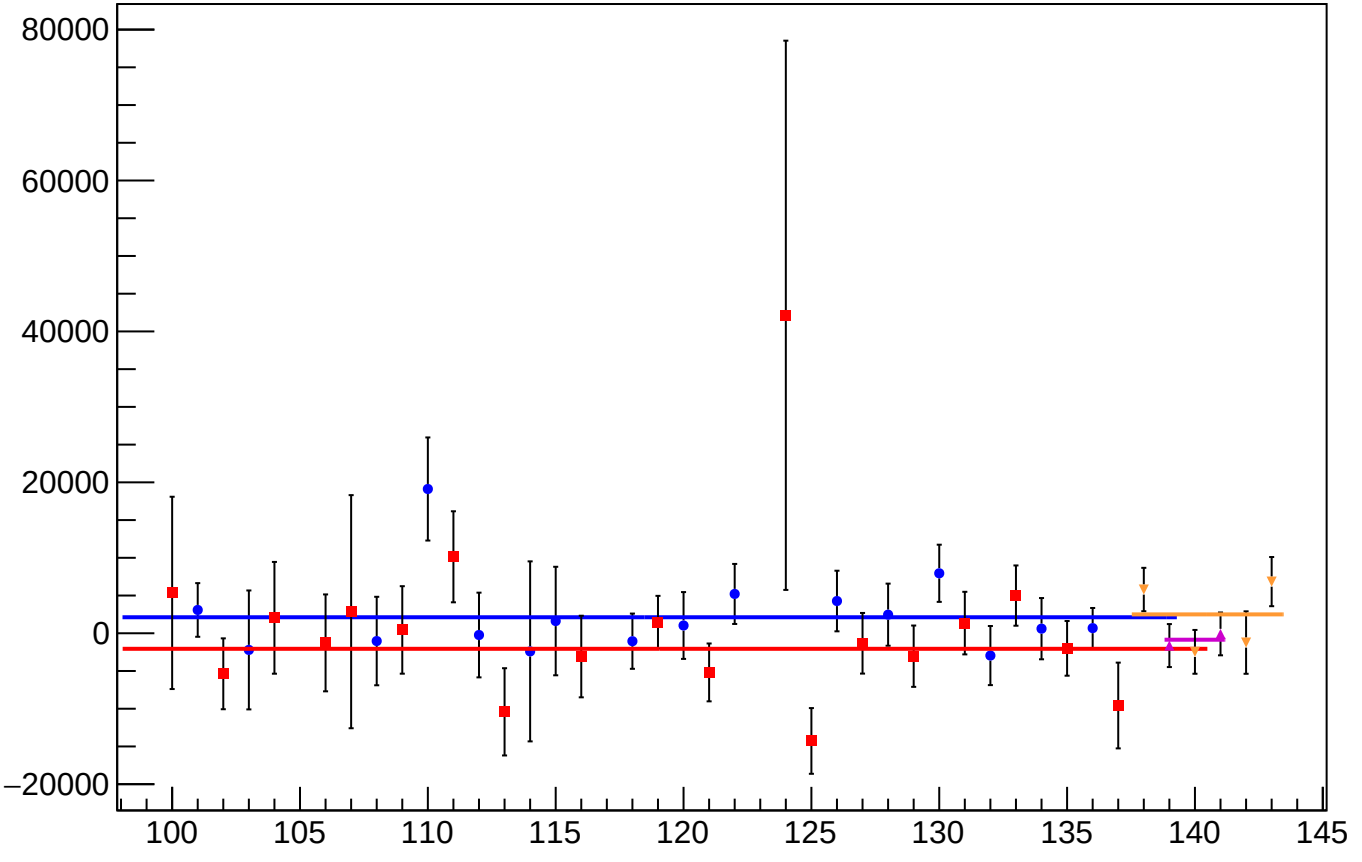
Left In: 1095.052+/-0.594 χ^2/NDF:7688.2/1

+ sign 1031.337+/-0.253 χ^2/NDF: 1691791.7/18

All: 1069.000+/-0.189 χ^2/NDF: 4287034.1/38

- sign 1116.899+/-0.285 χ^2/NDF: 2544960.5/19

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 2501.373+/-1596.600 χ^2/NDF:6.8/3

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

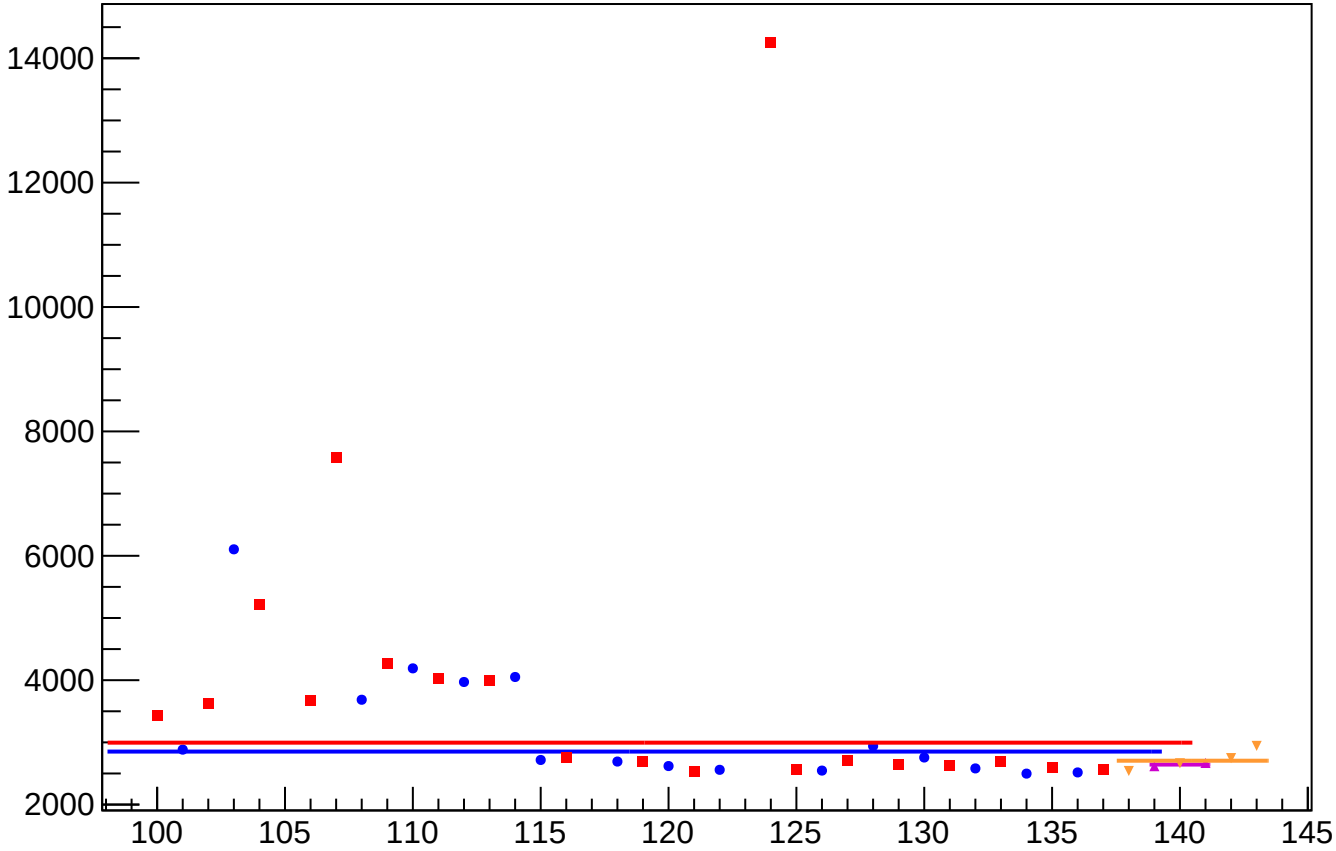
Left In: -854.702+/-2010.360 χ^2/NDF:0.1/1

+ sign 2241.799+/-897.225 χ^2/NDF: 20.2/19

All: 432.749+/-664.684 χ^2/NDF: 54.0/40

- sign -1767.776+/-989.553 χ^2/NDF: 24.7/20

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2705.272+/-1.129 χ^2/NDF:17908.4/3

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

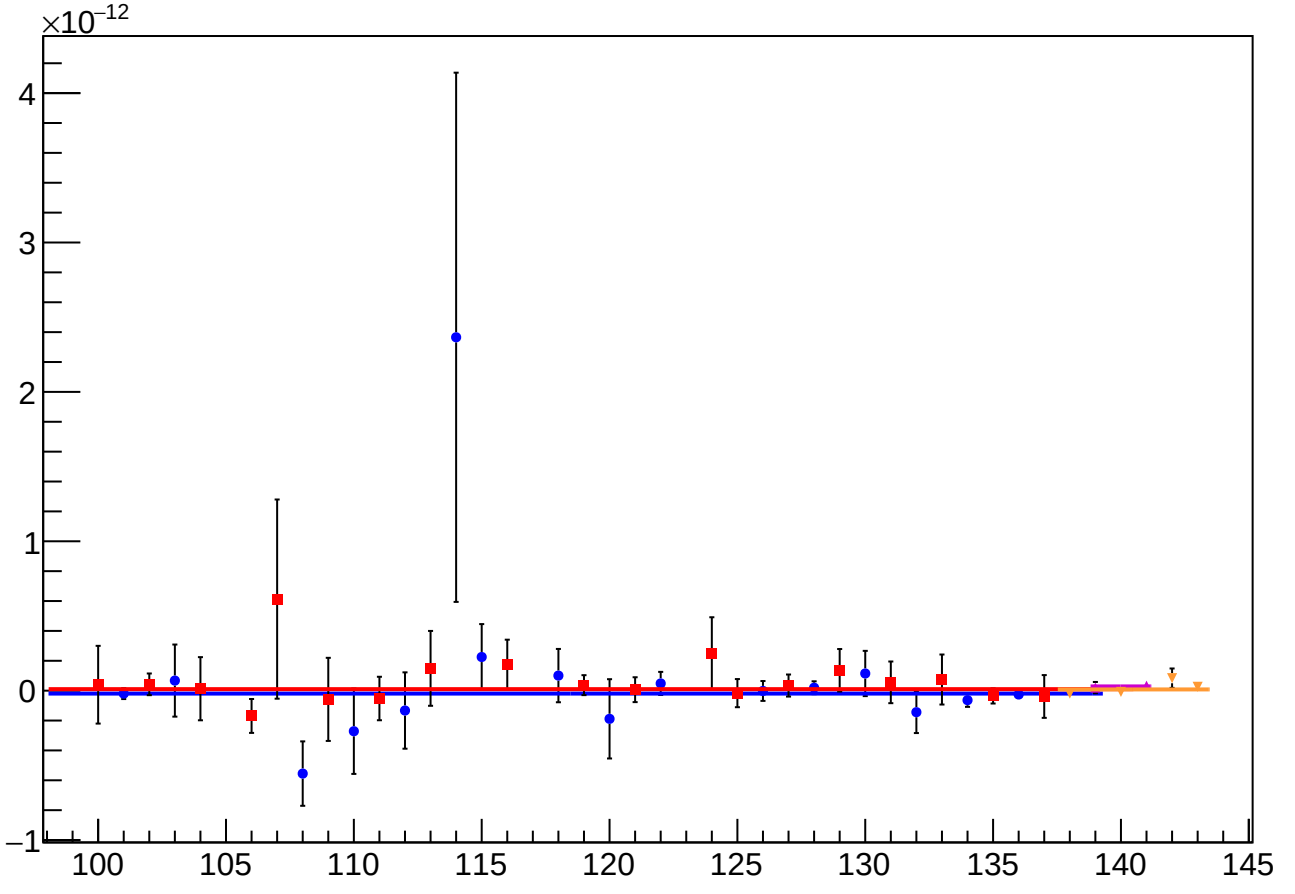
Left In: 2643.379+/-1.422 χ^2/NDF:334.3/1

+ sign 2805.804+/-0.634 χ^2/NDF: 678213.1/19

All: 2852.908+/-0.470 χ^2/NDF: 1716431.6/40

- sign 2910.205+/-0.700 χ^2/NDF: 1026000.9/20

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

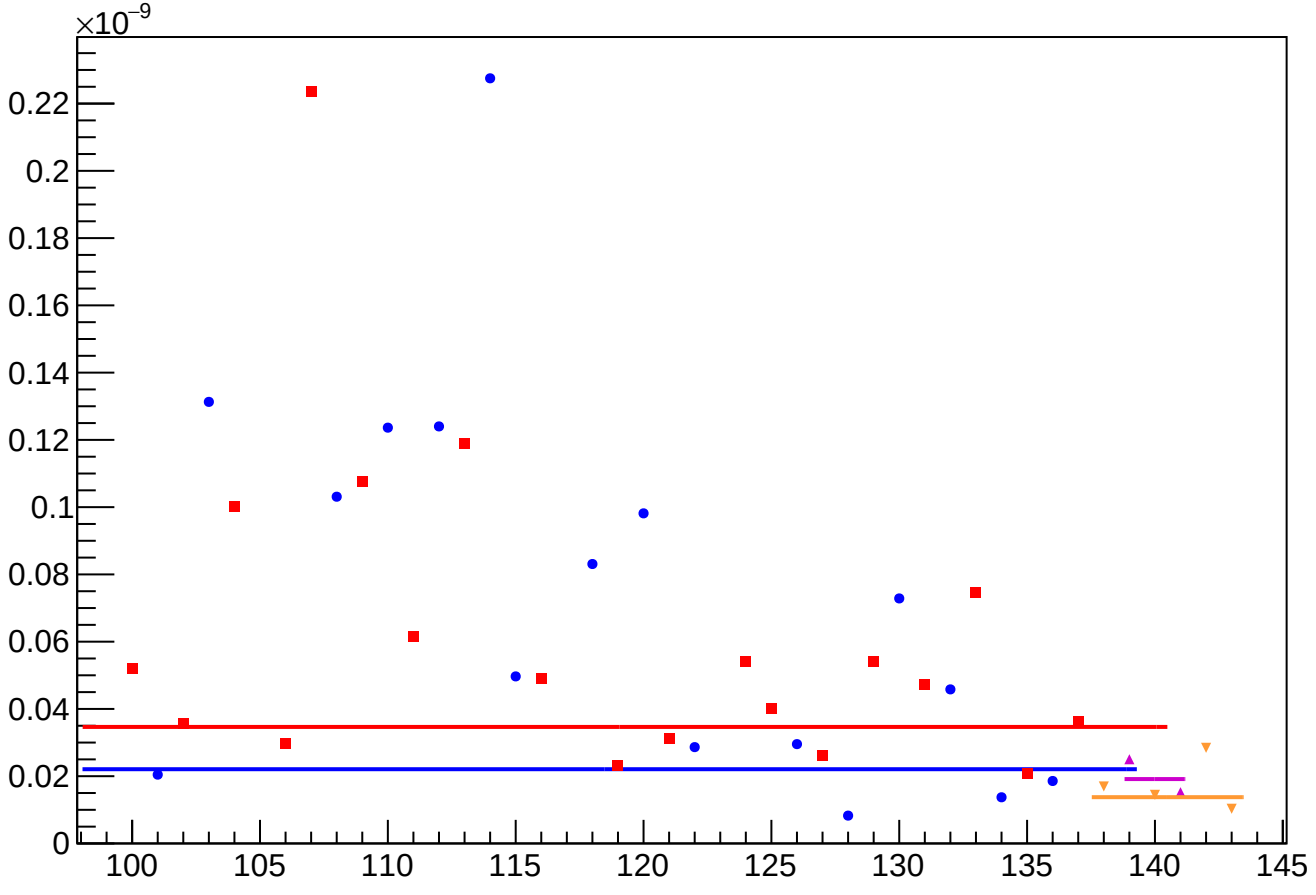
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/19

All: 0.000+/-0.000 χ^2/NDF: 30.6/40

- sign 0.000+/-0.000 χ^2/NDF: 8.7/20

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:196112.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

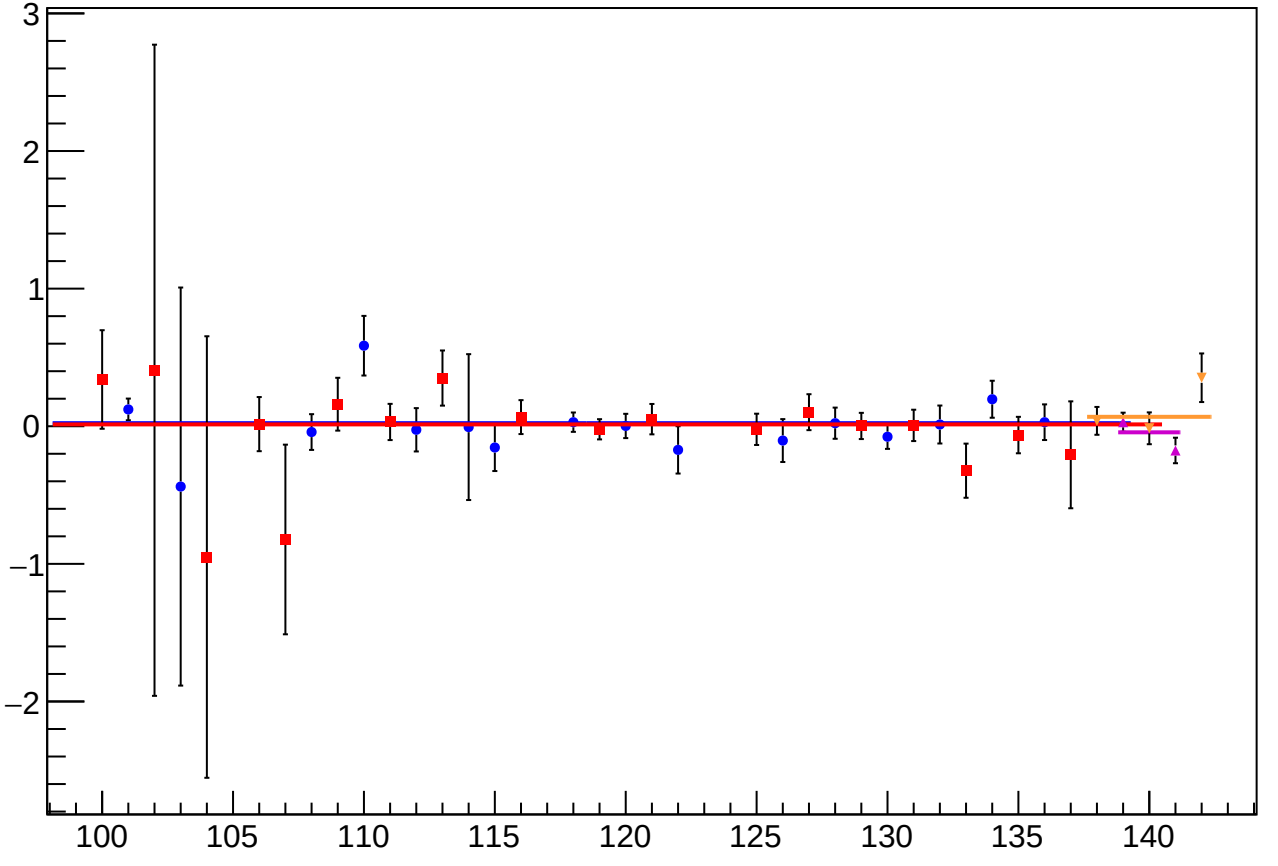
Left In: 0.000+/-0.000 χ^2/NDF:81547.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 2836770.1/19

All: 0.000+/-0.000 χ^2/NDF: 5061060.4/40

- sign 0.000+/-0.000 χ^2/NDF: 1738671.8/20

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

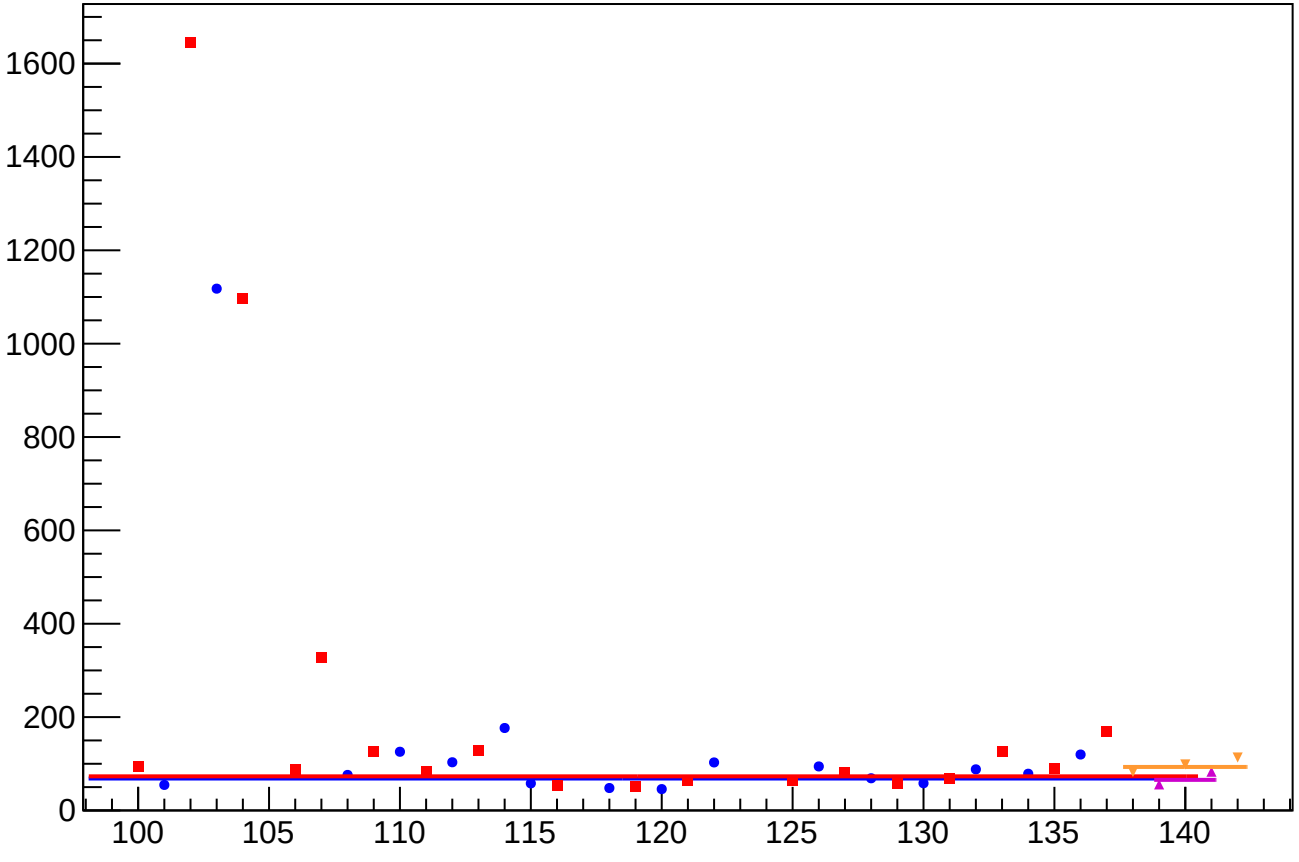
Left In: -0.044+/-0.055 χ^2/NDF:3.2/1

+ sign 0.030+/-0.028 χ^2/NDF: 18.4/18

All: 0.014+/-0.020 χ^2/NDF: 33.8/38

- sign -0.002+/-0.029 χ^2/NDF: 14.8/19

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53220.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

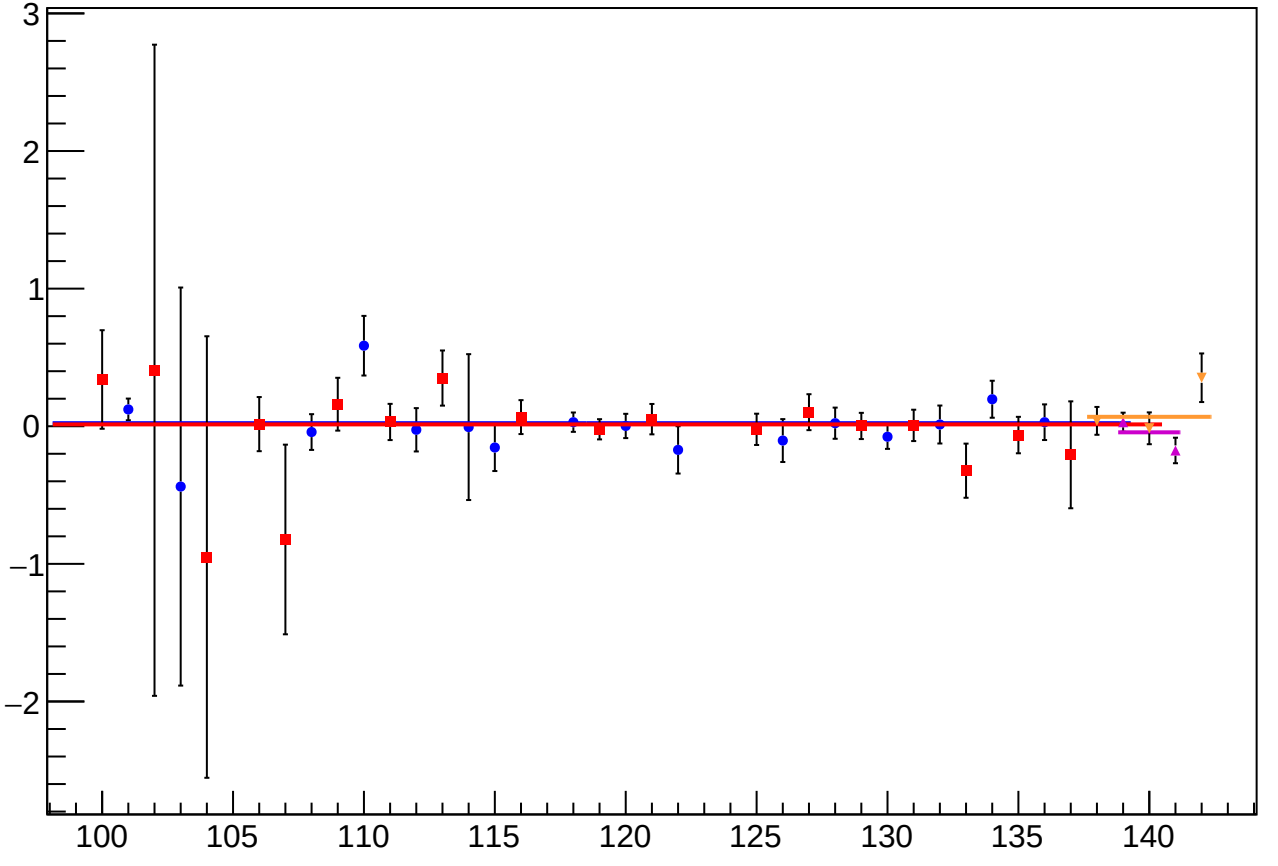
Left In: 65.542+/-0.039 χ^2/NDF:110421.2/1

+ sign 72.315+/-0.020 χ^2/NDF: 2543171.0/18

All: 71.710+/-0.014 χ^2/NDF: 5595727.9/38

- sign 71.062+/-0.020 χ^2/NDF: 3050579.4/19

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

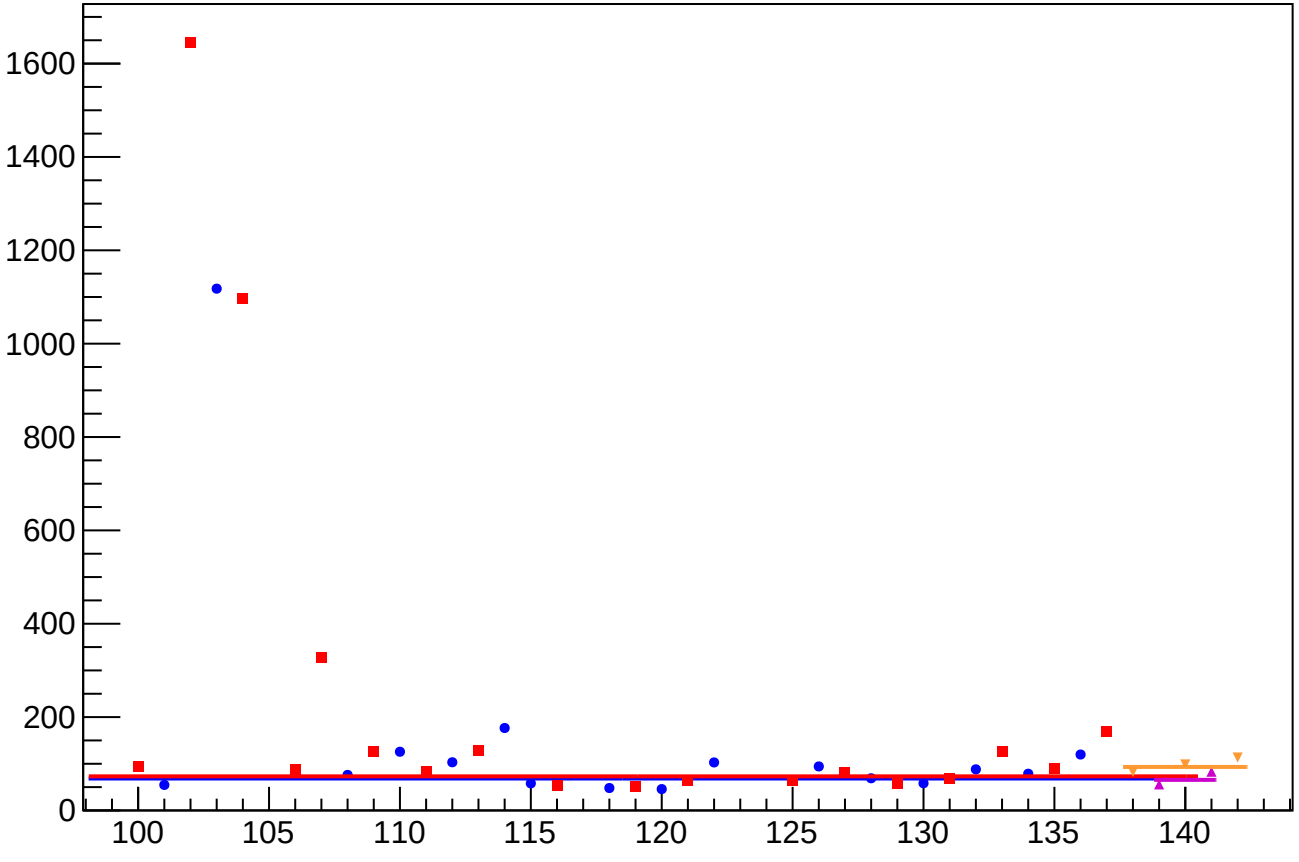
Left In: -0.044+/-0.055 χ^2/NDF:3.2/1

+ sign 0.030+/-0.028 χ^2/NDF: 18.4/18

All: 0.014+/-0.020 χ^2/NDF: 33.8/38

- sign -0.002+/-0.029 χ^2/NDF: 14.8/19

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53220.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

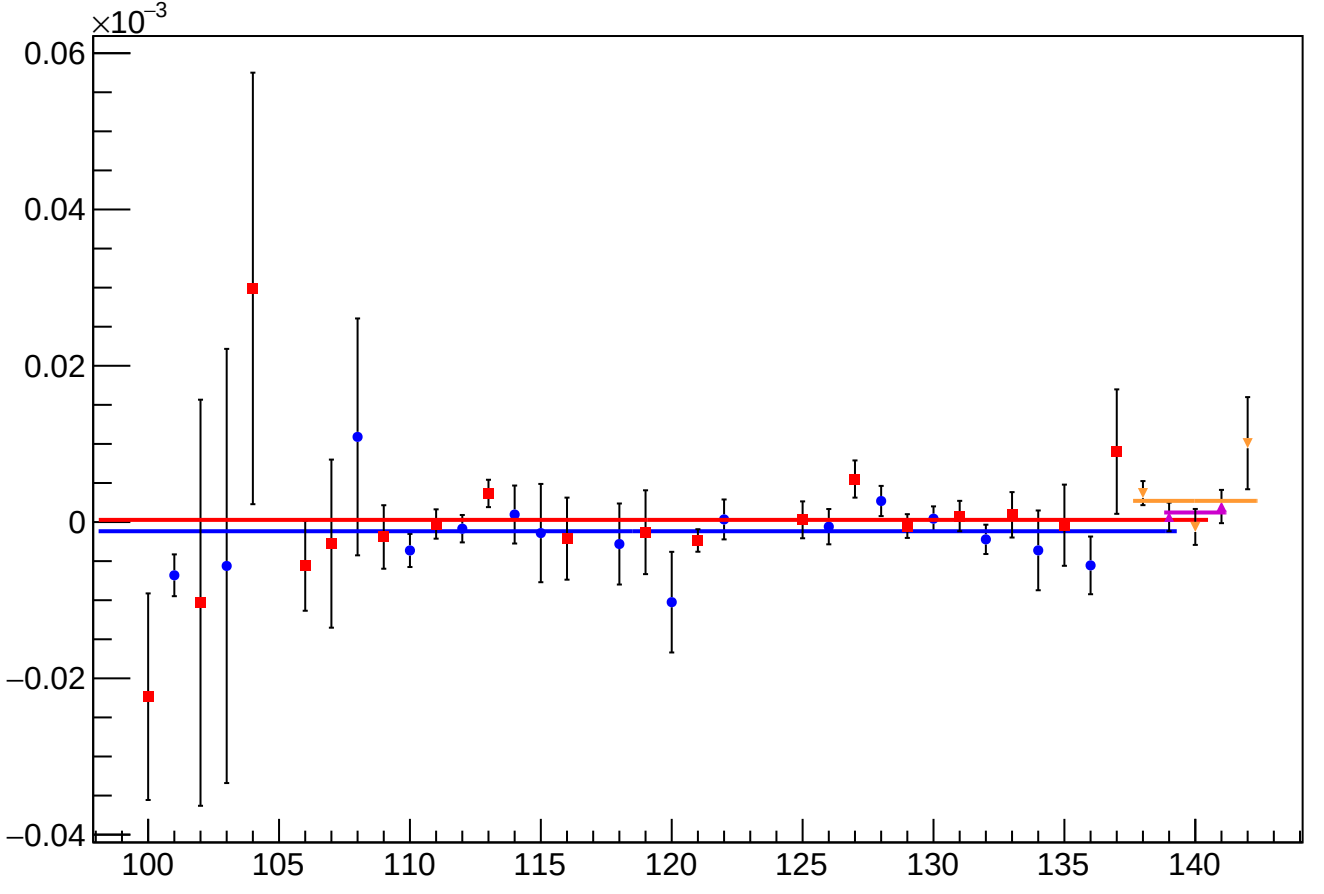
Left In: 65.542+/-0.039 χ^2/NDF:110421.2/1

+ sign 72.315+/-0.020 χ^2/NDF: 2543171.0/18

All: 71.710+/-0.014 χ^2/NDF: 5595727.9/38

- sign 71.062+/-0.020 χ^2/NDF: 3050579.4/19

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:4.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

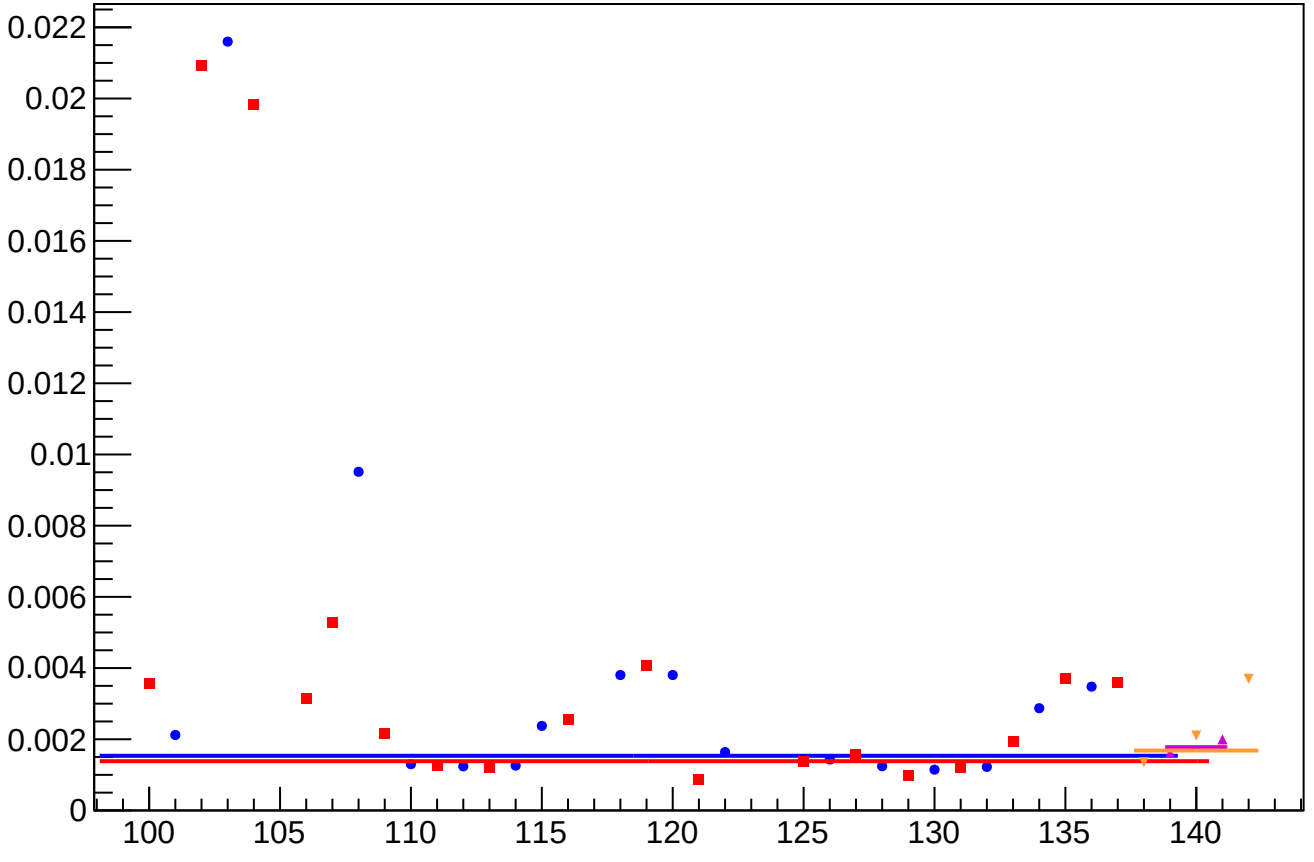
Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/18

All: 0.000+/-0.000 χ^2/NDF: 48.9/38

- sign 0.000+/-0.000 χ^2/NDF: 20.1/19

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:391082.6/2

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

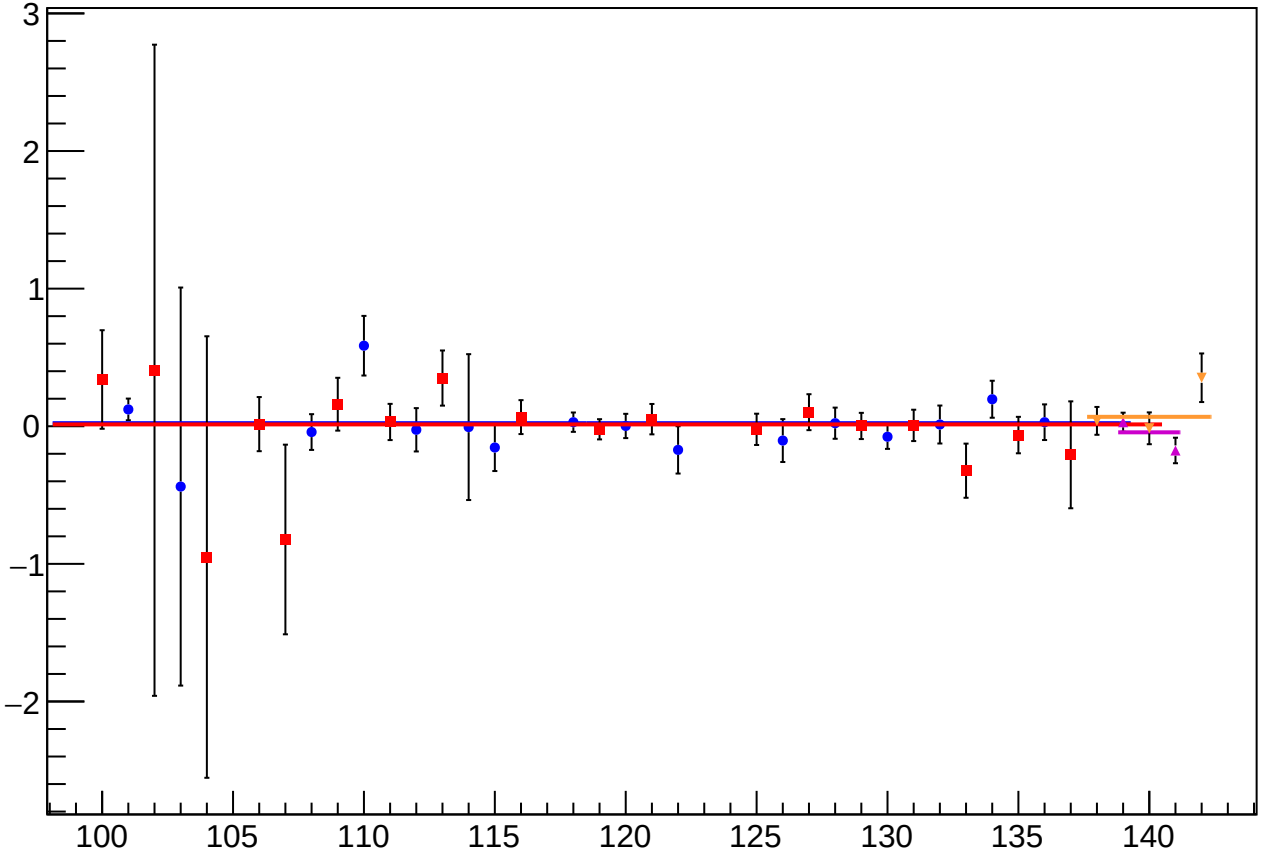
Left In: 0.002+/-0.000 χ^2/NDF:37535.7/1

+ sign 0.002+/-0.000 χ^2/NDF: 3786812.4/18

All: 0.002+/-0.000 χ^2/NDF: 8267133.2/38

- sign 0.001+/-0.000 χ^2/NDF: 4439951.9/19

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

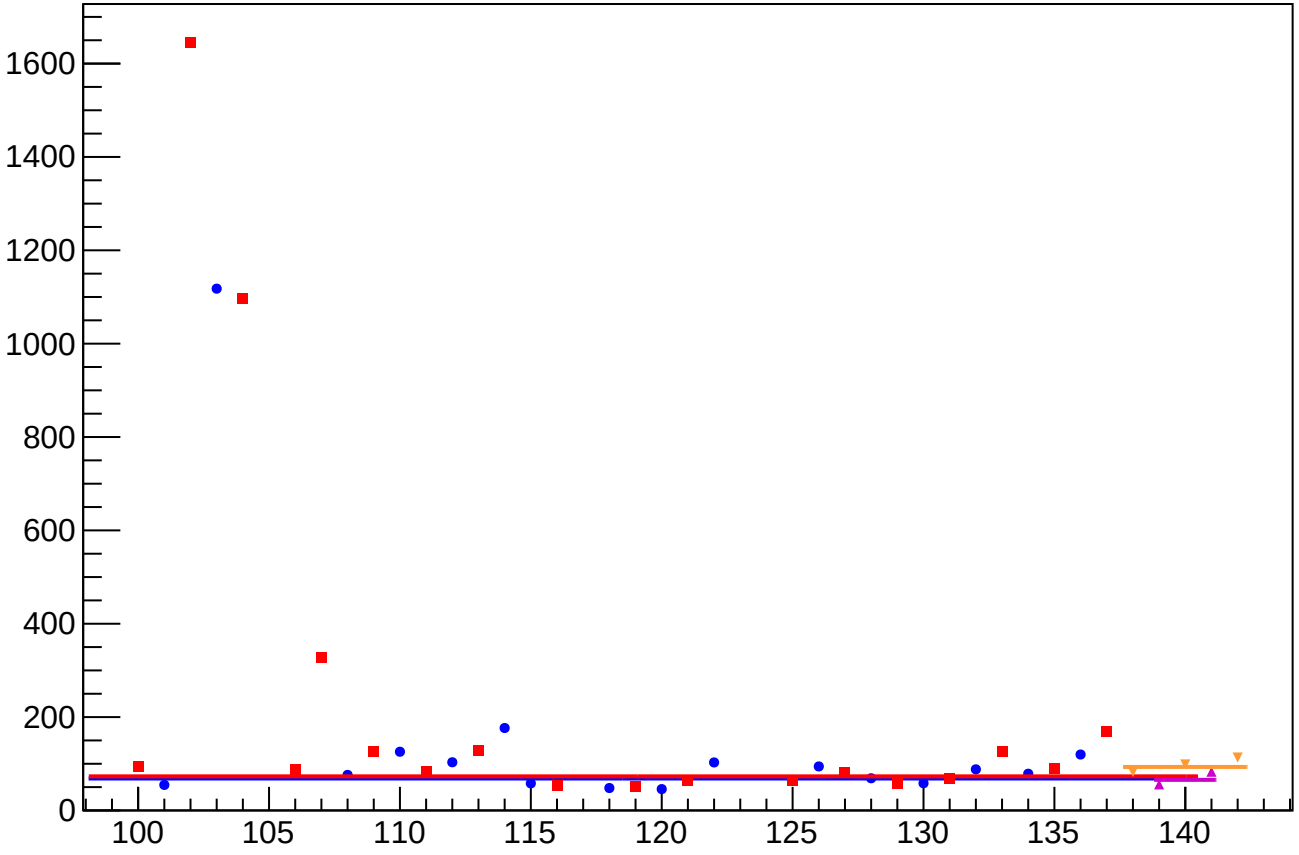
Left In: -0.044+/-0.055 χ^2/NDF:3.2/1

+ sign 0.030+/-0.028 χ^2/NDF: 18.4/18

All: 0.014+/-0.020 χ^2/NDF: 33.8/38

- sign -0.002+/-0.029 χ^2/NDF: 14.8/19

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53219.2/2

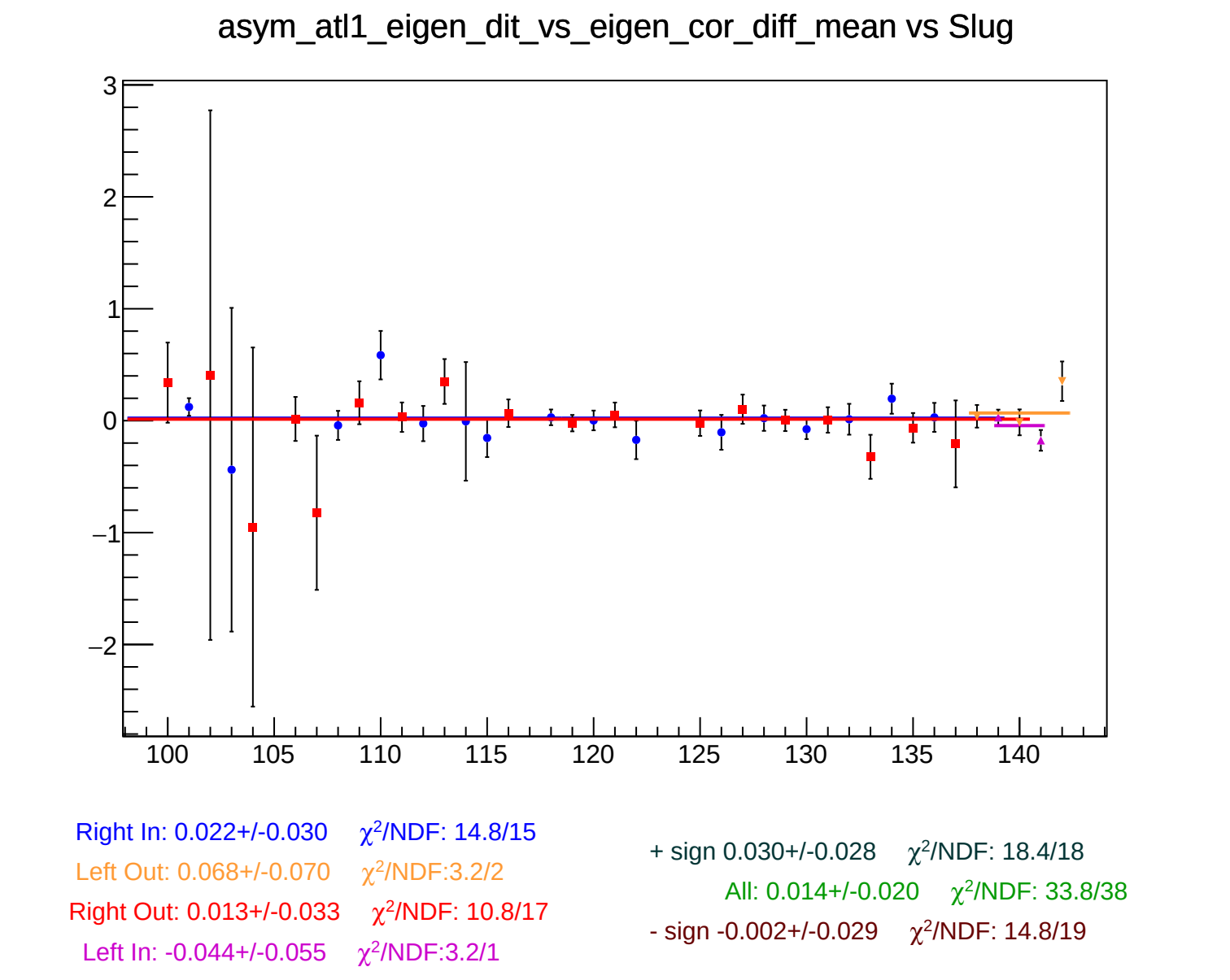
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

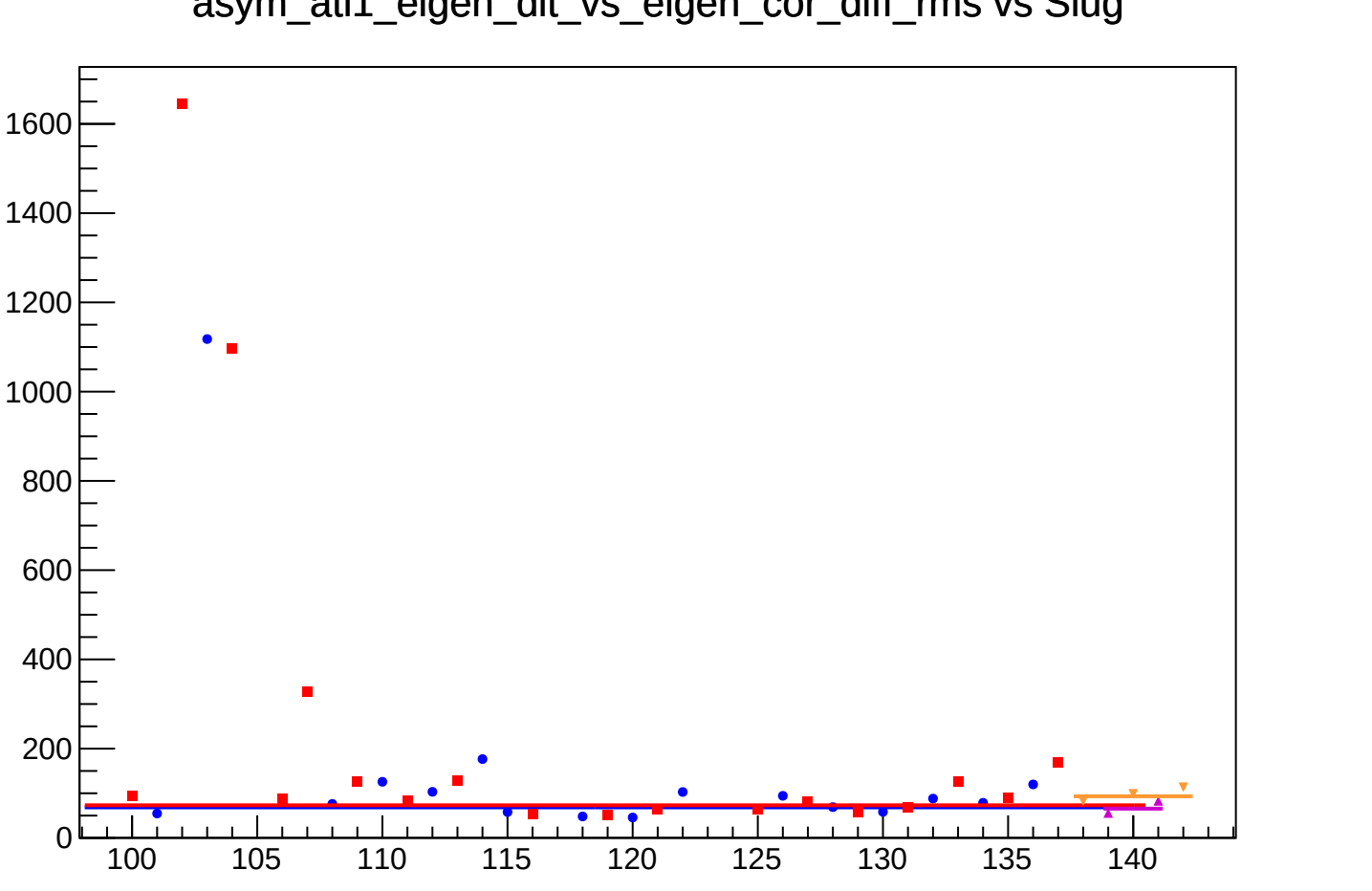
Left In: 65.542+/-0.039 χ^2/NDF:110417.5/1

+ sign 72.314+/-0.020 χ^2/NDF: 2543270.8/18

All: 71.710+/-0.014 χ^2/NDF: 5595834.2/38

- sign 71.062+/-0.020 χ^2/NDF: 3050587.3/19


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.068+/-0.070 χ²/NDF:3.2/2
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.044+/-0.055 χ²/NDF:3.2/1
+ sign 0.030+/-0.028 χ²/NDF: 18.4/18
All: 0.014+/-0.020 χ²/NDF: 33.8/38
- sign -0.002+/-0.029 χ²/NDF: 14.8/19



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53219.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

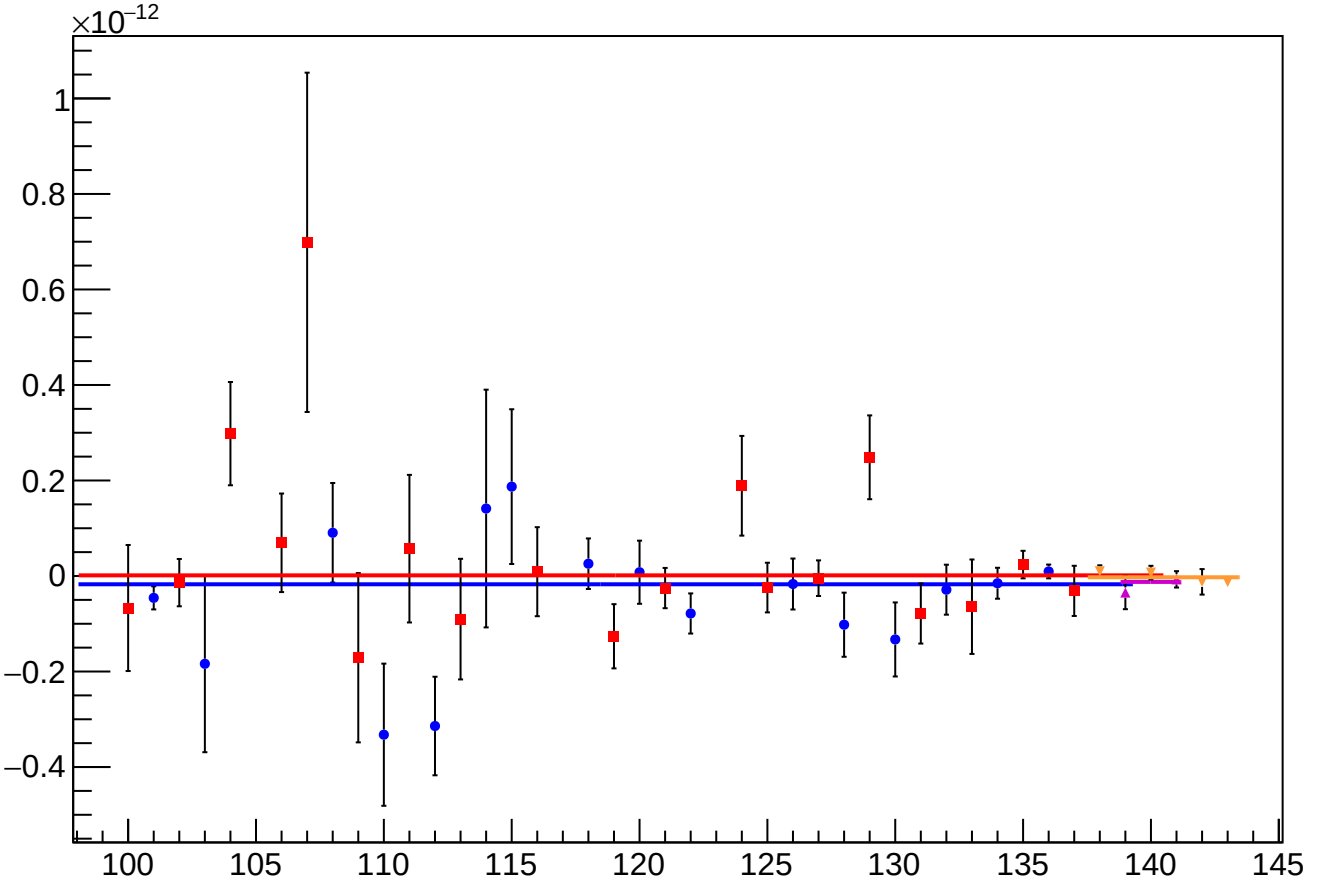
Left In: 65.542+/-0.039 χ^2/NDF:110417.5/1

+ sign 72.314+/-0.020 χ^2/NDF: 2543270.8/18

All: 71.710+/-0.014 χ^2/NDF: 5595834.2/38

- sign 71.062+/-0.020 χ^2/NDF: 3050587.3/19

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:2.7/3

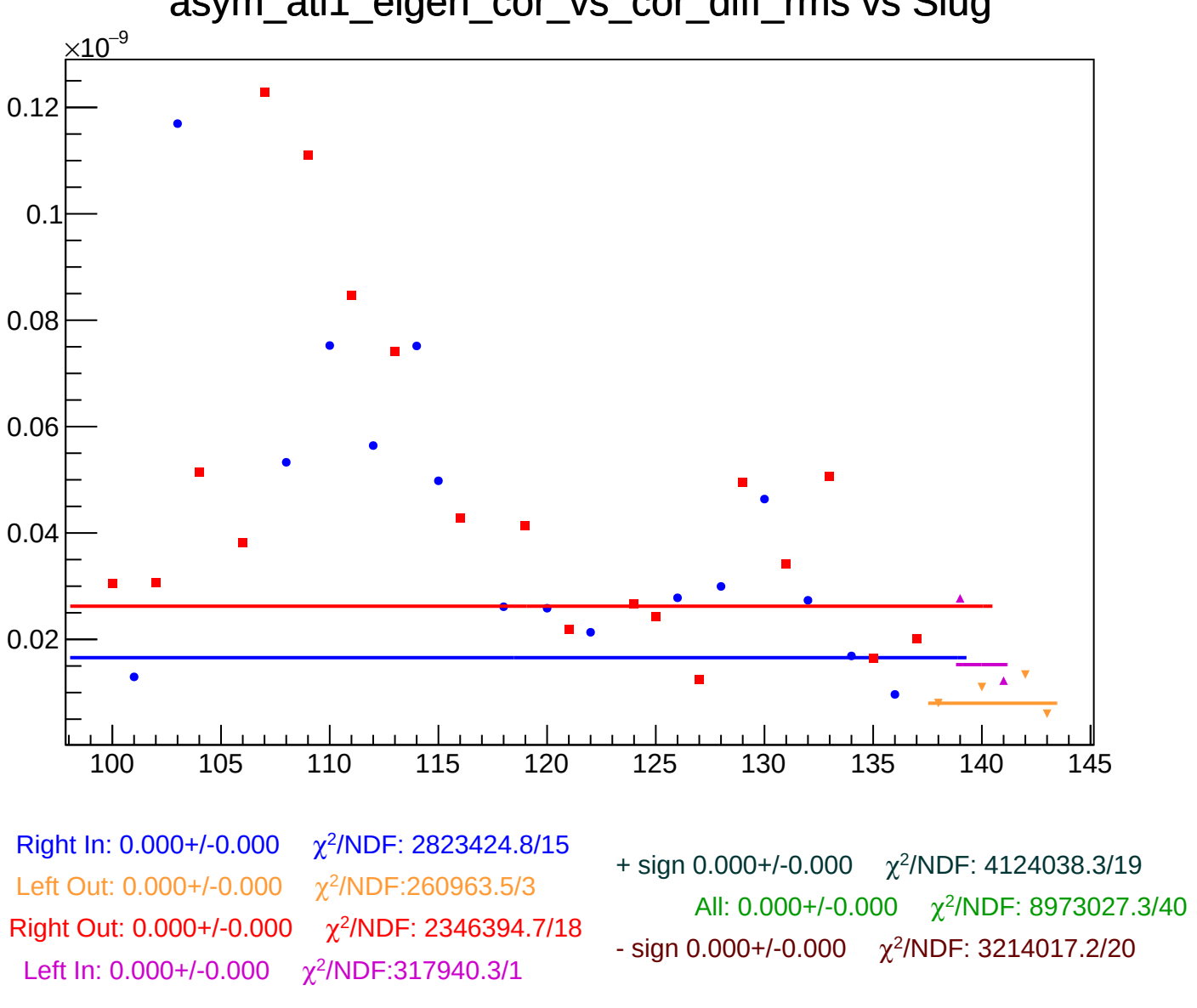
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

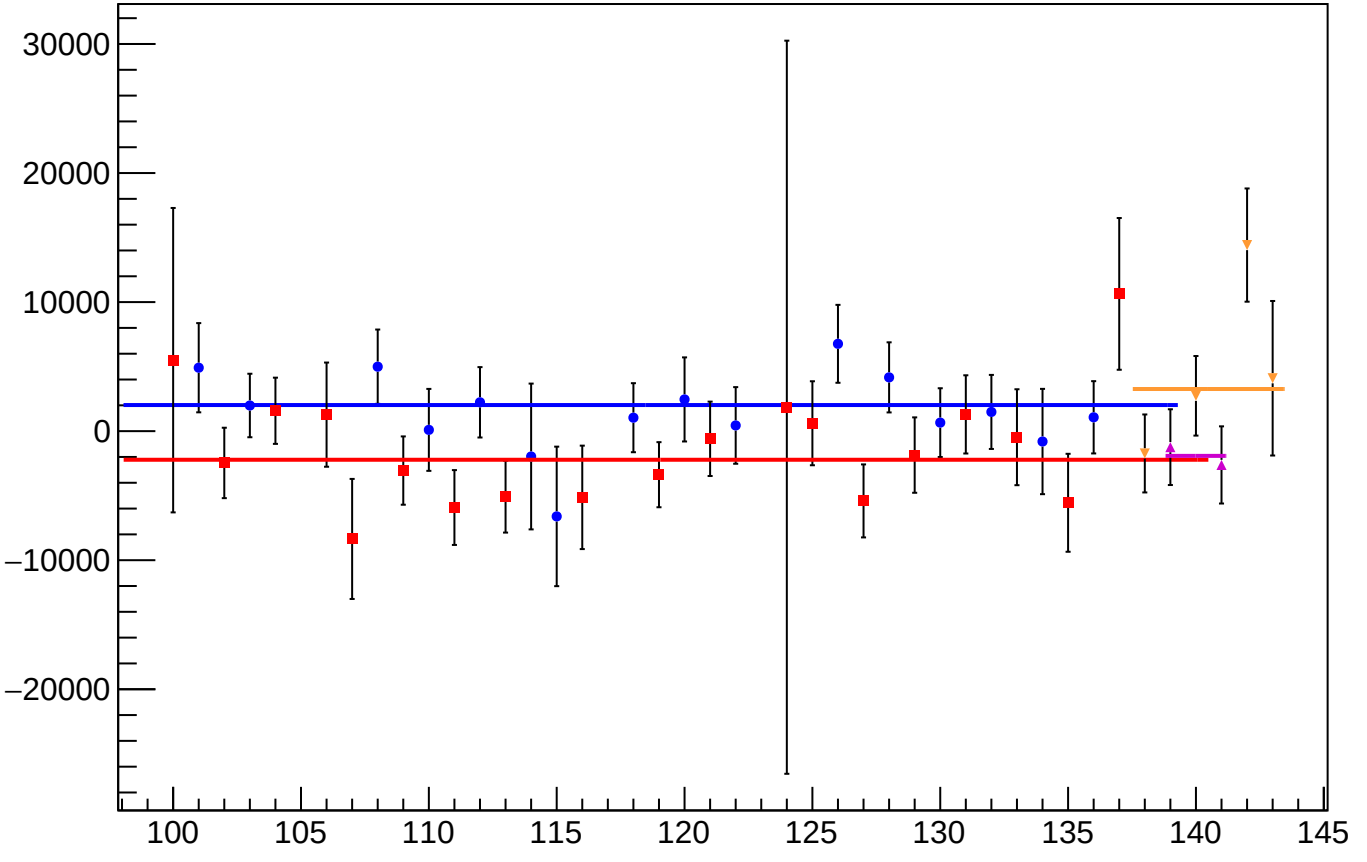
+ sign -0.000+/-0.000 χ^2/NDF: 32.5/19

All: -0.000+/-0.000 χ^2/NDF: 65.8/40

- sign -0.000+/-0.000 χ^2/NDF: 33.2/20


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:260963.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:317940.3/1
+ sign 0.000+/-0.000 χ²/NDF: 4124038.3/19
All: 0.000+/-0.000 χ²/NDF: 8973027.3/40
- sign 0.000+/-0.000 χ²/NDF: 3214017.2/20

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3265.348+/-1842.377 χ^2/NDF:9.2/3

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

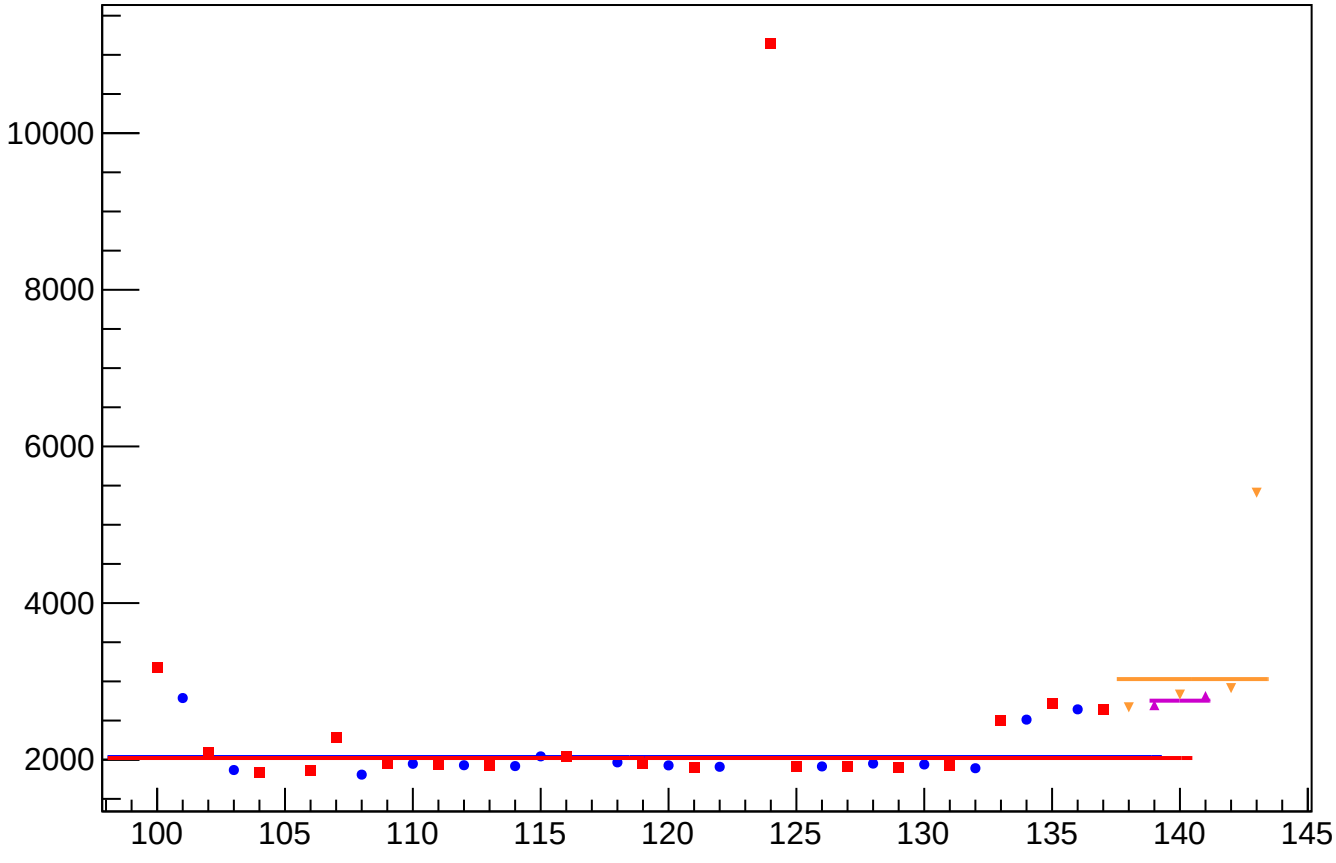
Left In: -1916.292+/-2094.636 χ^2/NDF:0.1/1

+ sign 2205.170+/-706.008 χ^2/NDF: 19.2/19

All: 27.432+/-501.055 χ^2/NDF: 56.7/40

- sign -2182.563+/-711.218 χ^2/NDF: 18.3/20

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

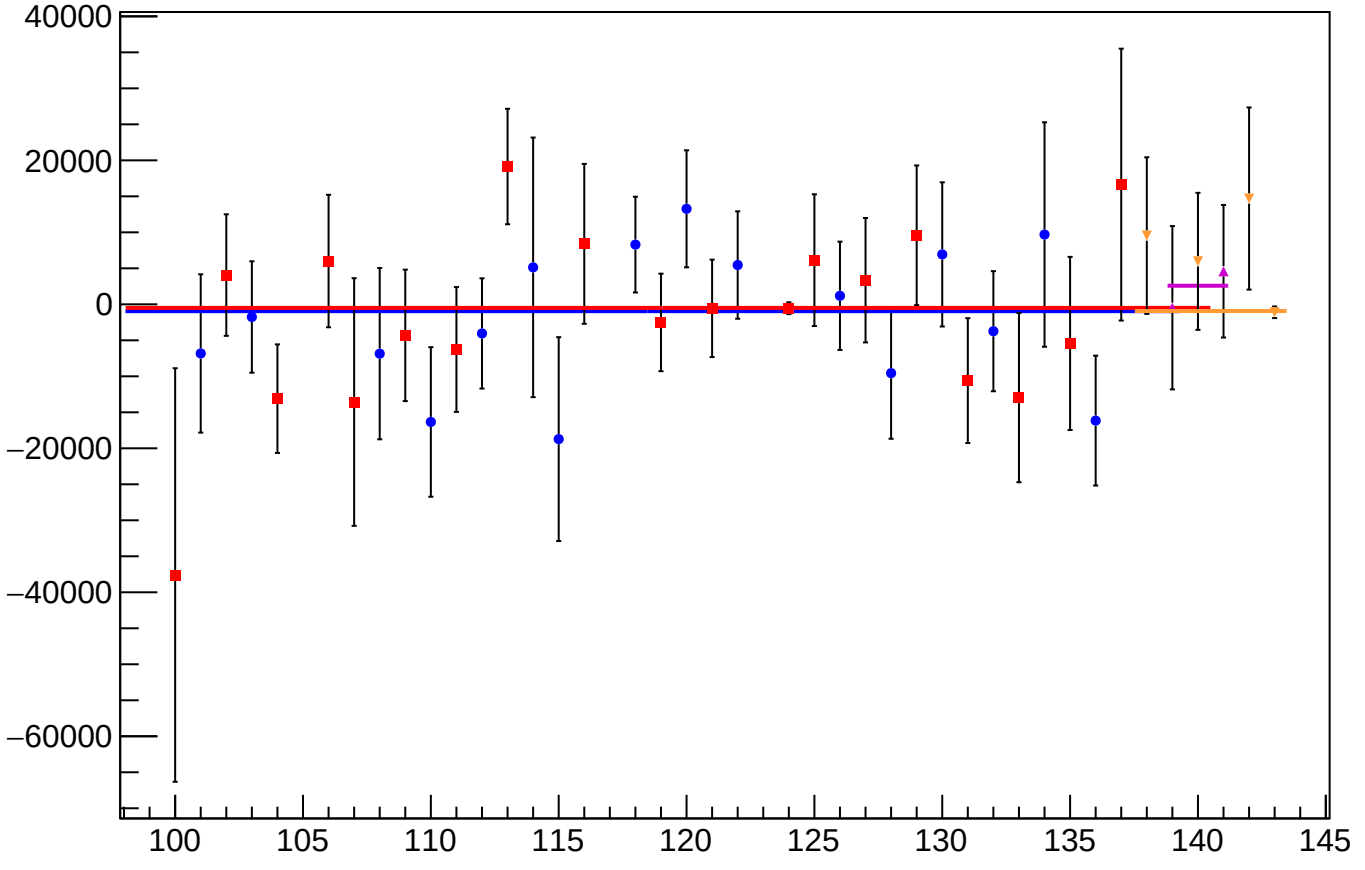
Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

+ sign 2180.321+/-0.499 χ^2/NDF: 1115105.6/19

All: 2143.419+/-0.354 χ^2/NDF: 1734245.4/40

- sign 2105.971+/-0.503 χ^2/NDF: 608131.1/20

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -932.367+/-800.468 χ^2/NDF:3.0/3

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

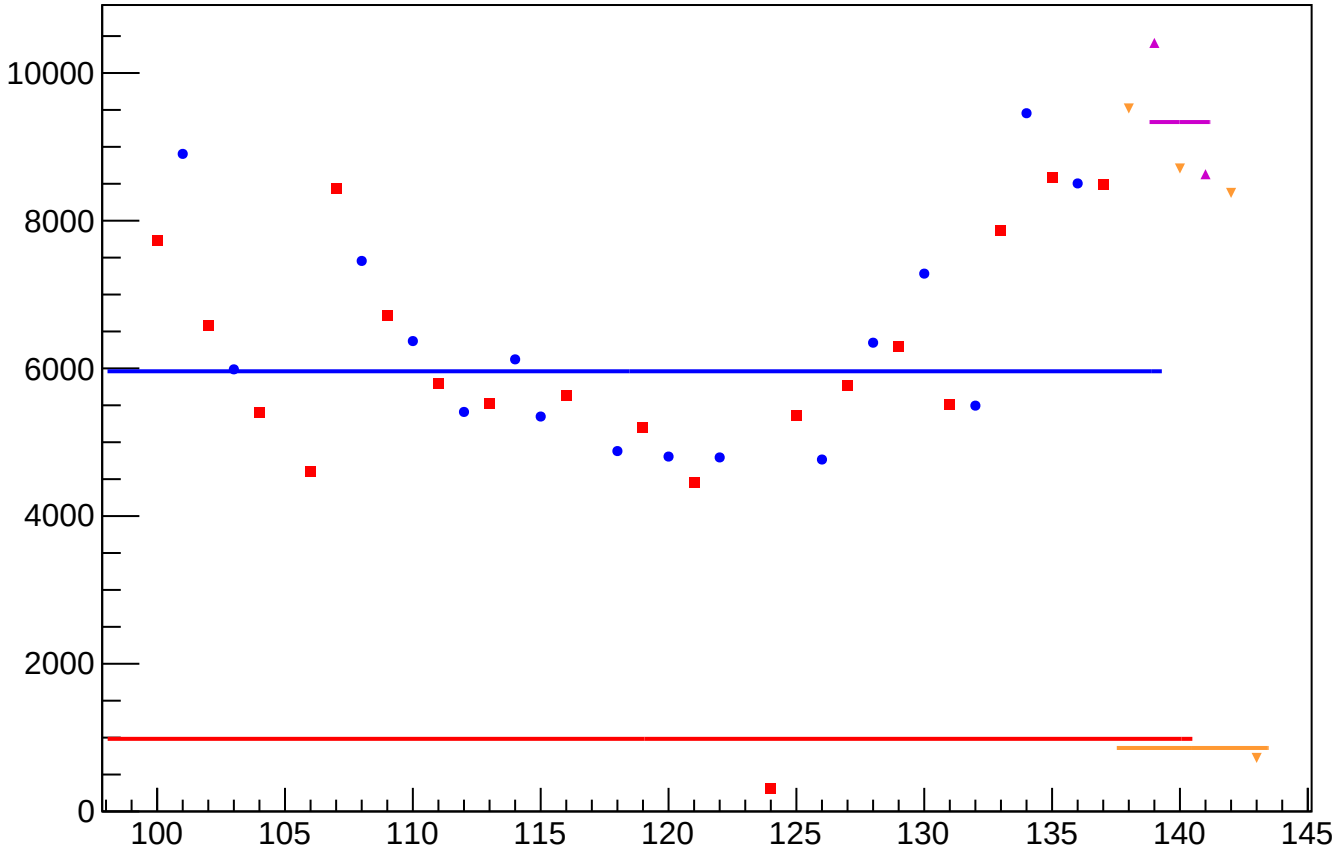
Left In: 2582.135+/-7148.905 χ^2/NDF:0.1/1

+ sign -934.361+/-755.220 χ^2/NDF: 18.4/19

All: -700.967+/-537.059 χ^2/NDF: 37.3/40

- sign -462.185+/-763.888 χ^2/NDF: 18.8/20

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 859.683+/-0.566 χ^2/NDF:3389059.0/3

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

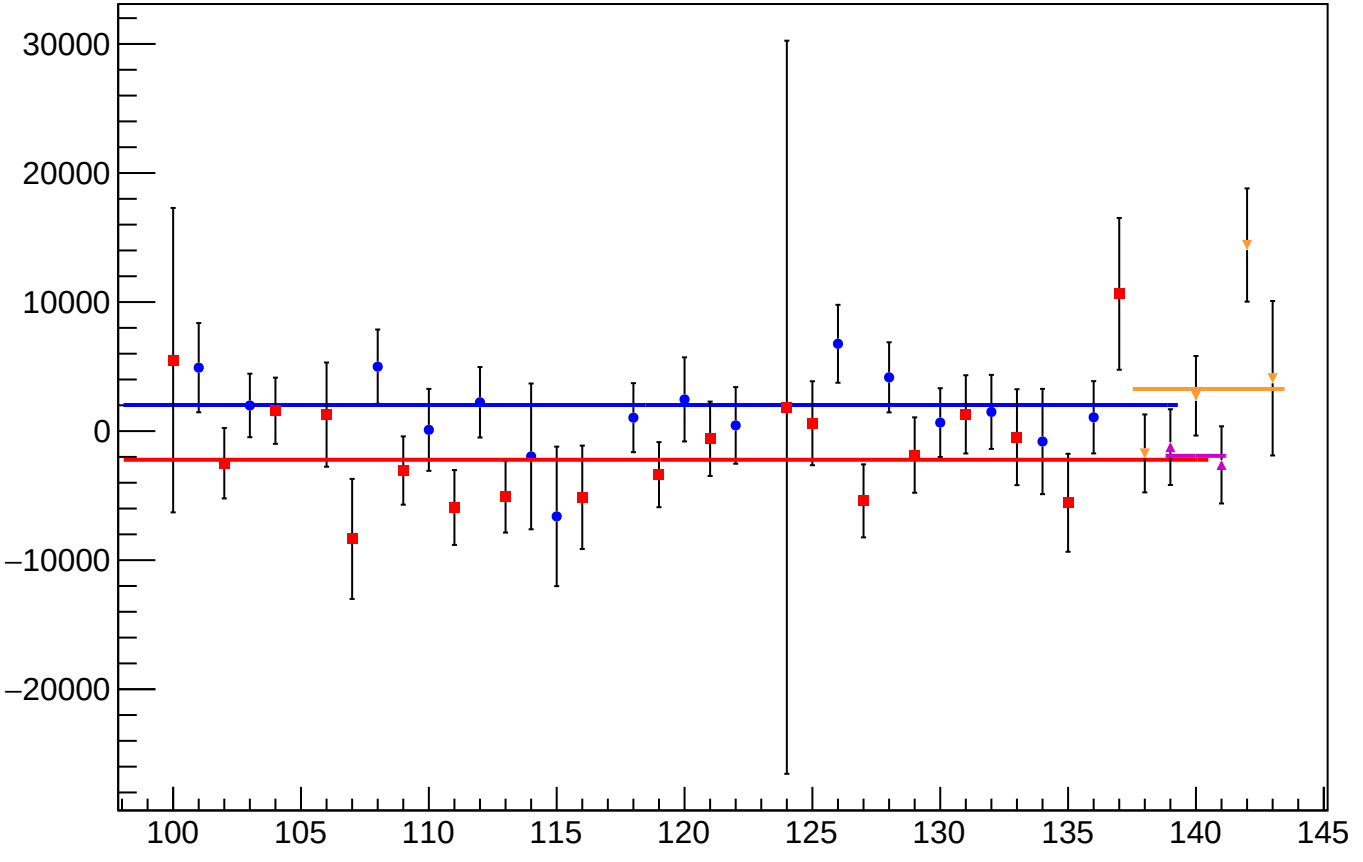
Left In: 9335.873+/-5.055 χ^2/NDF:29626.2/1

+ sign 1420.087+/-0.534 χ^2/NDF: 13001297.4/19

All: 1251.334+/-0.380 χ^2/NDF: 27348637.0/4

- sign 1078.684+/-0.540 χ^2/NDF: 14145314.4/20

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3265.723+/-1842.377 χ^2/NDF:9.2/3

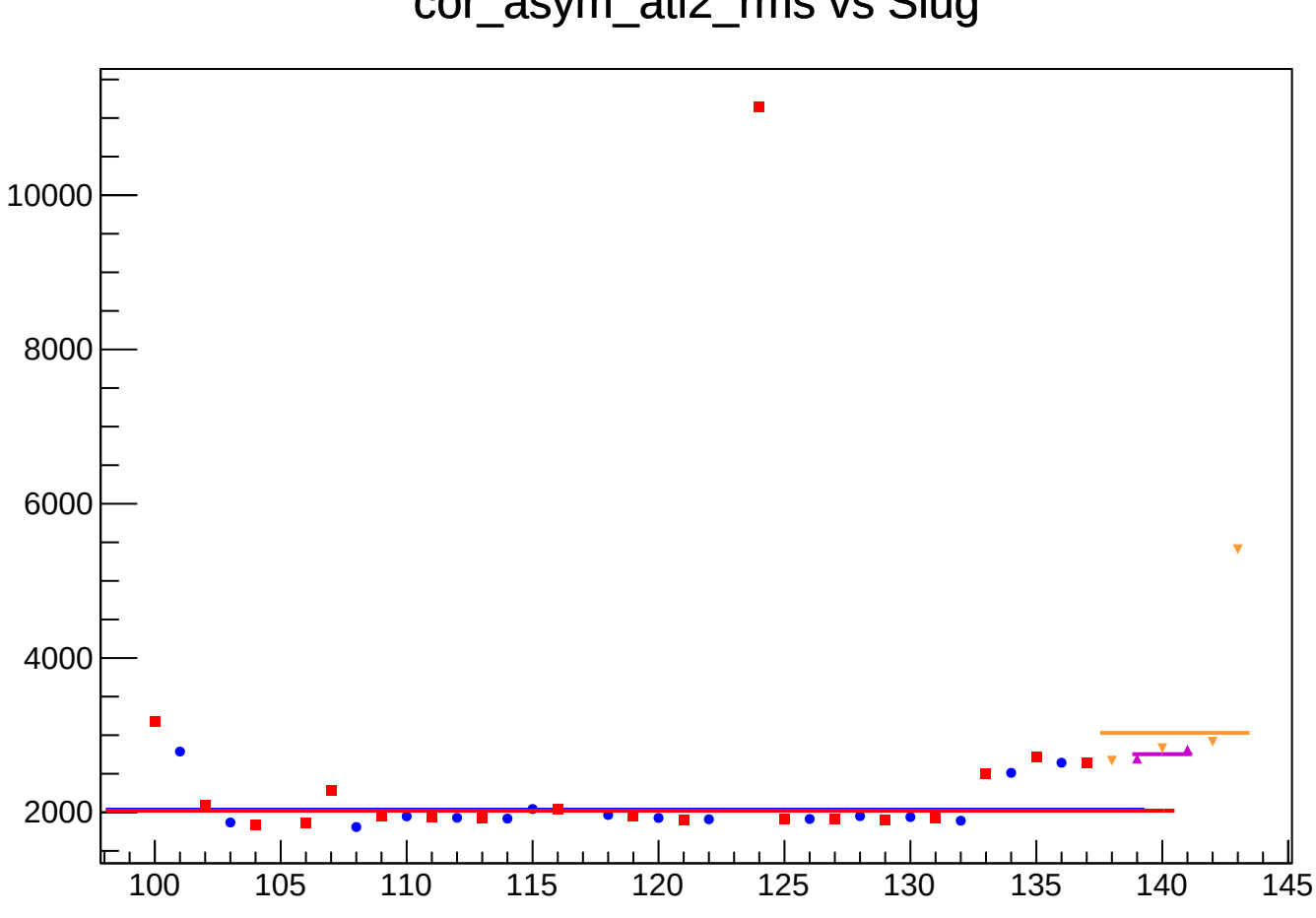
Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: -1916.097+/-2094.636 χ^2/NDF:0.1/1

+ sign 2205.332+/-706.008 χ^2/NDF: 19.2/19

All: 26.737+/-501.057 χ^2/NDF: 56.7/40

- sign -2184.166+/-711.224 χ^2/NDF: 18.3/20



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

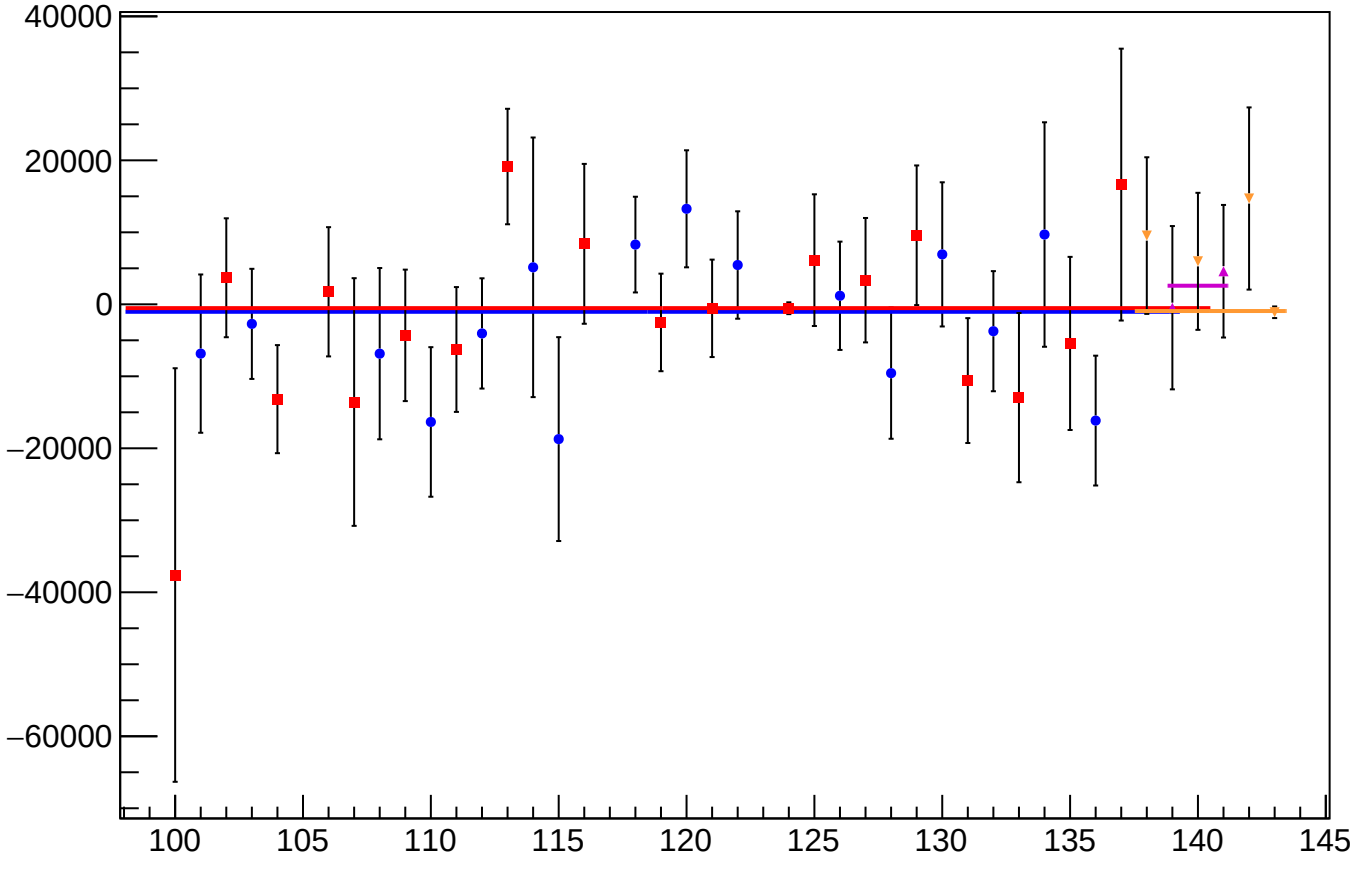
Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

+ sign 2180.321+/-0.499 χ^2/NDF: 1115105.6/19

All: 2143.430+/-0.354 χ^2/NDF: 1734237.6/40

- sign 2105.992+/-0.503 χ^2/NDF: 608129.5/20

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -932.134+/-800.392 χ^2/NDF:3.0/3

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

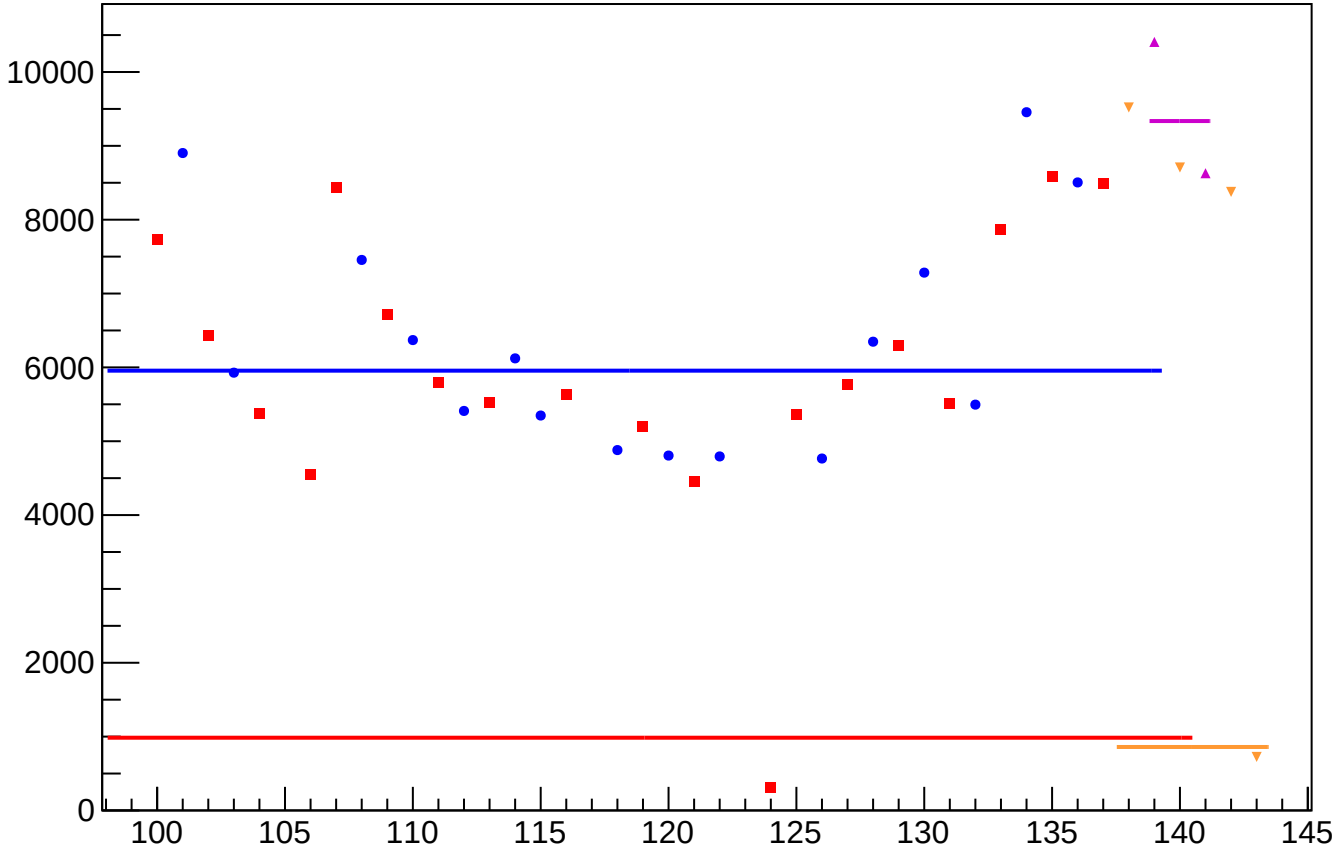
Left In: 2582.170+/-7148.895 χ^2/NDF:0.1/1

\+ sign -943.778+/-755.070 χ^2/NDF: 18.4/19

All: -721.971+/-536.890 χ^2/NDF: 36.9/40

\- sign -495.151+/-763.554 χ^2/NDF: 18.3/20

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 859.590+/-0.566 χ^2/NDF:3389127.3/3

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

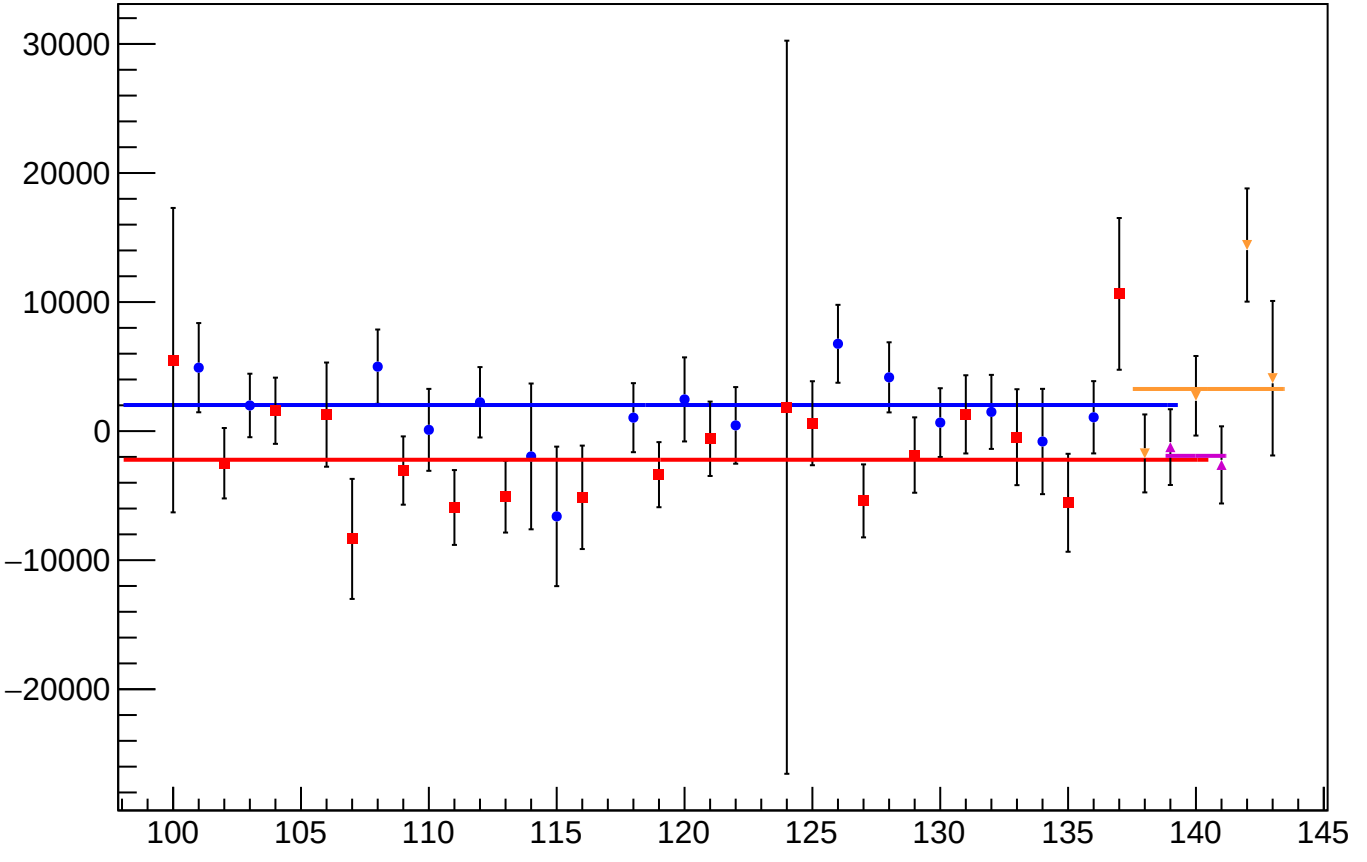
Left In: 9335.859+/-5.055 χ^2/NDF:29626.4/1

+ sign 1420.372+/-0.534 χ^2/NDF: 13000079.1/19

All: 1252.240+/-0.380 χ^2/NDF: 27341025.1/4

- sign 1080.309+/-0.540 χ^2/NDF: 14140376.6/20

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3265.723+/-1842.377 χ^2/NDF:9.2/3

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

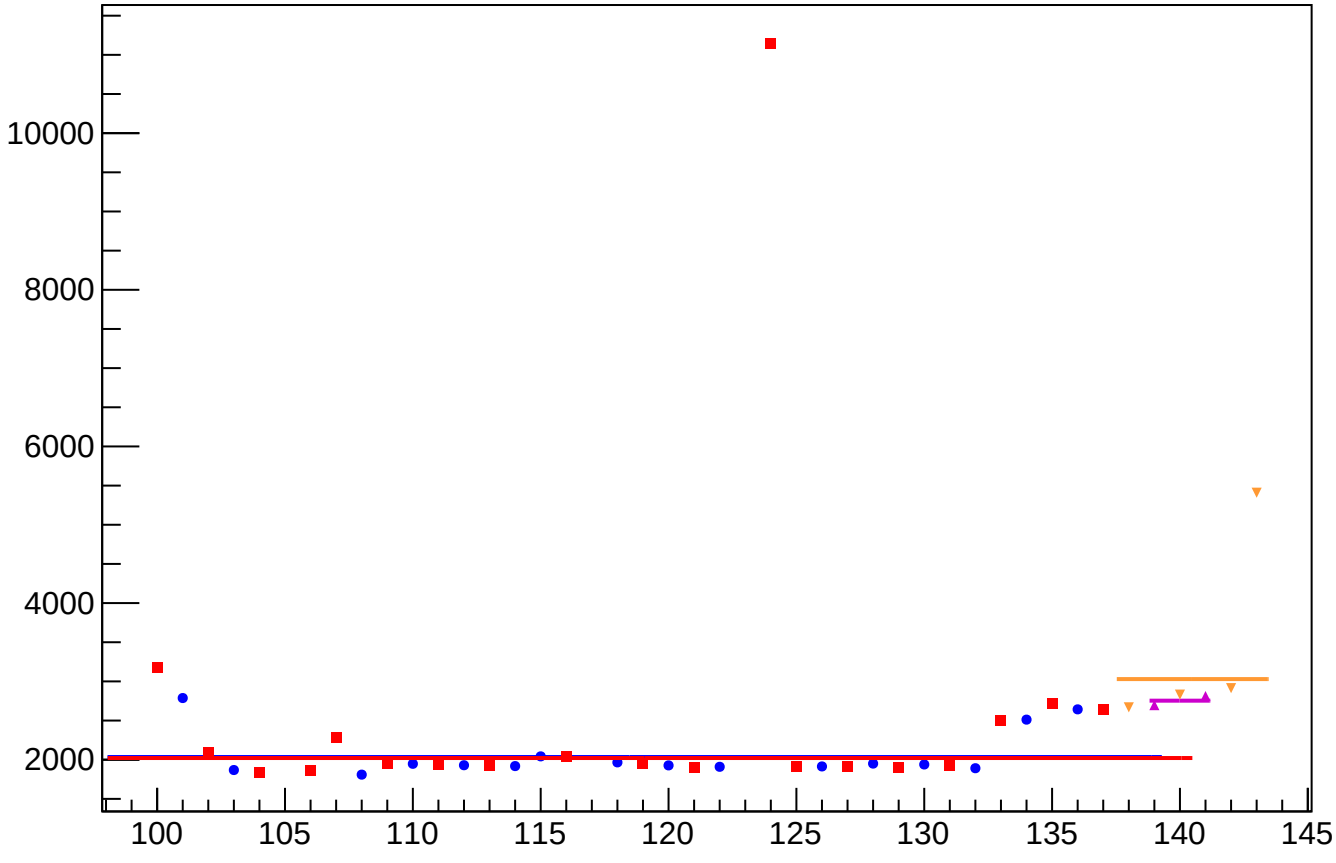
Left In: -1916.097+/-2094.636 χ^2/NDF:0.1/1

+ sign 2205.332+/-706.008 χ^2/NDF: 19.2/19

All: 26.737+/-501.057 χ^2/NDF: 56.7/40

- sign -2184.166+/-711.224 χ^2/NDF: 18.3/20

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

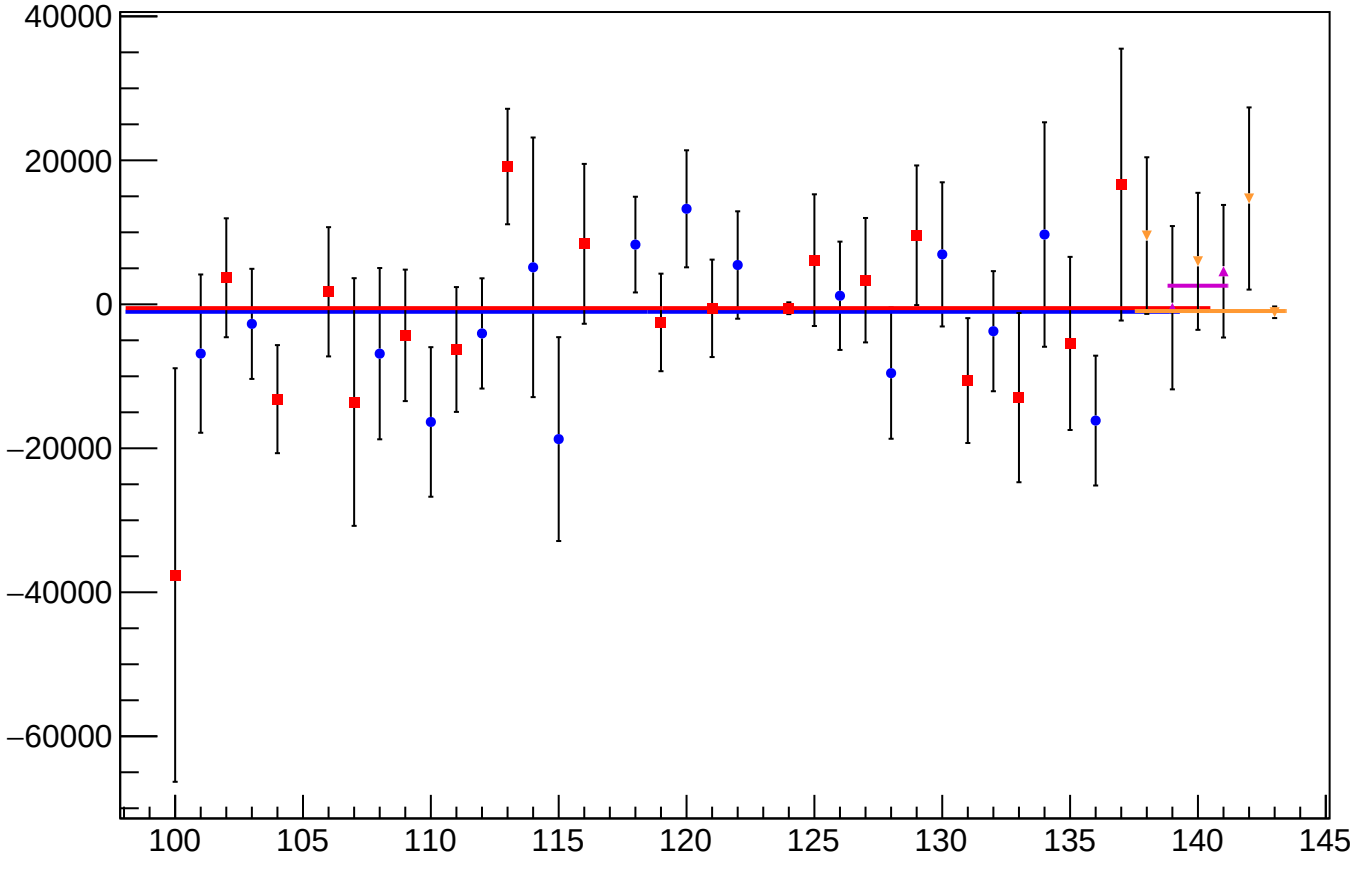
Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

+ sign 2180.321+/-0.499 χ^2/NDF: 1115105.6/19

All: 2143.430+/-0.354 χ^2/NDF: 1734237.6/40

- sign 2105.992+/-0.503 χ^2/NDF: 608129.5/20

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -932.134+/-800.392 χ^2/NDF:3.0/3

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

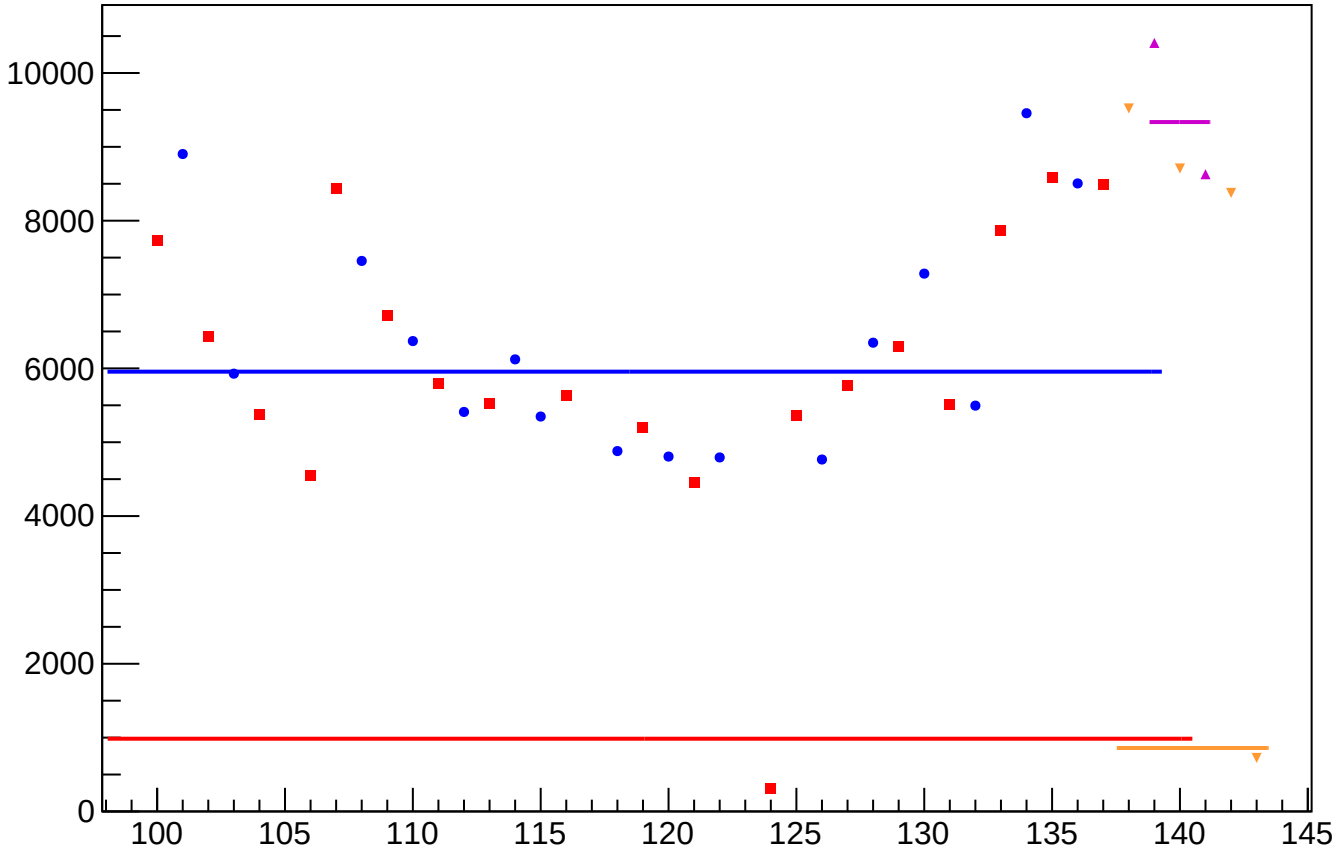
Left In: 2582.170+/-7148.895 χ^2/NDF:0.1/1

+ sign -943.778+/-755.070 χ^2/NDF: 18.4/19

All: -721.971+/-536.890 χ^2/NDF: 36.9/40

- sign -495.151+/-763.554 χ^2/NDF: 18.3/20

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 859.590+/-0.566 χ^2/NDF:3389127.3/3

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

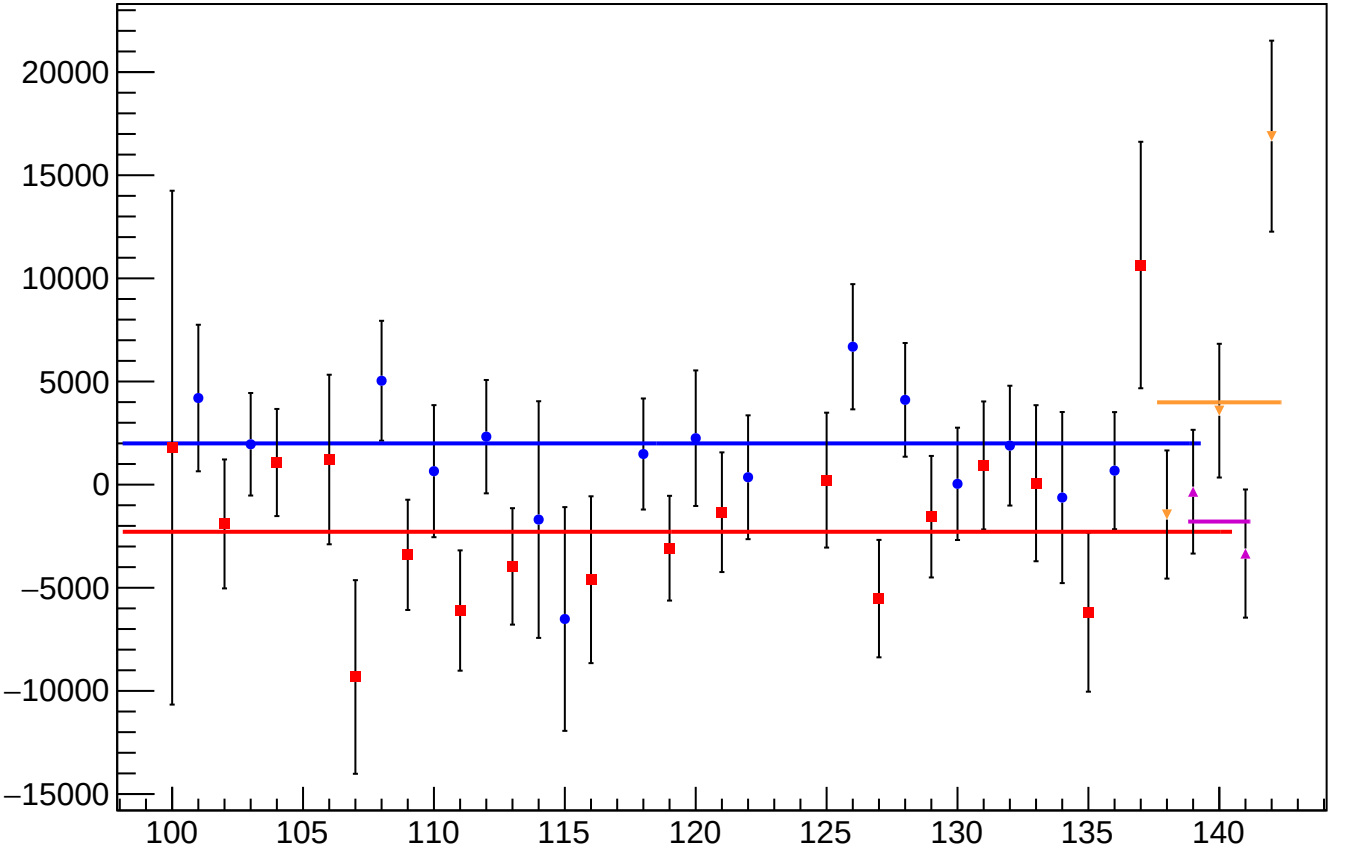
Left In: 9335.859+/-5.055 χ^2/NDF:29626.4/1

+ sign 1420.372+/-0.534 χ^2/NDF: 13000079.1/19

All: 1252.240+/-0.380 χ^2/NDF: 27341025.1/4

- sign 1080.309+/-0.540 χ^2/NDF: 14140376.6/20

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 3990.272+/-2018.507 χ^2/NDF:10.8/2

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

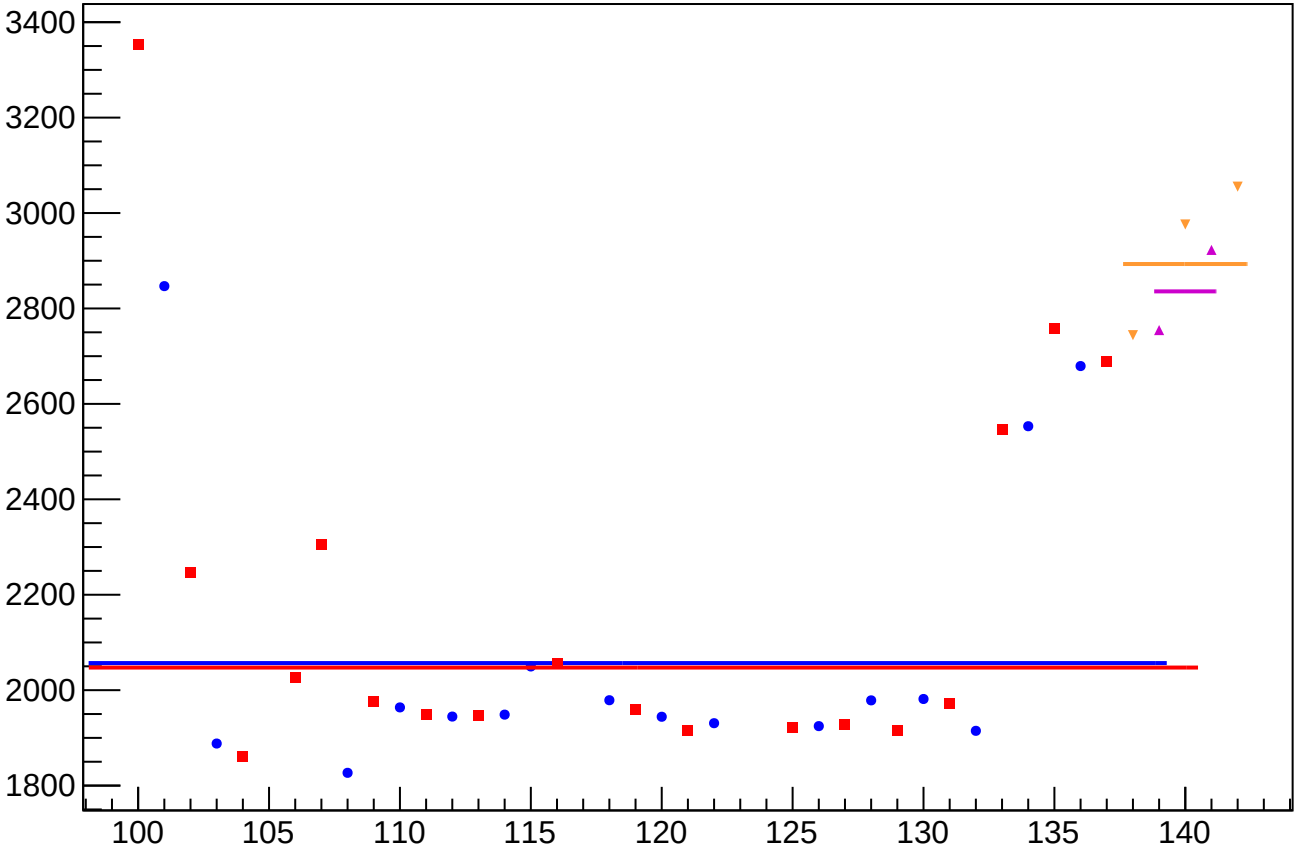
Left In: -1789.663+/-2158.027 χ^2/NDF:0.5/1

+ sign 2254.176+/-722.315 χ^2/NDF: 20.7/18

All: 24.588+/-512.158 χ^2/NDF: 57.0/38

- sign -2229.690+/-726.303 χ^2/NDF: 17.2/19

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2893.150+/-1.427 χ^2/NDF:8369.4/2

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

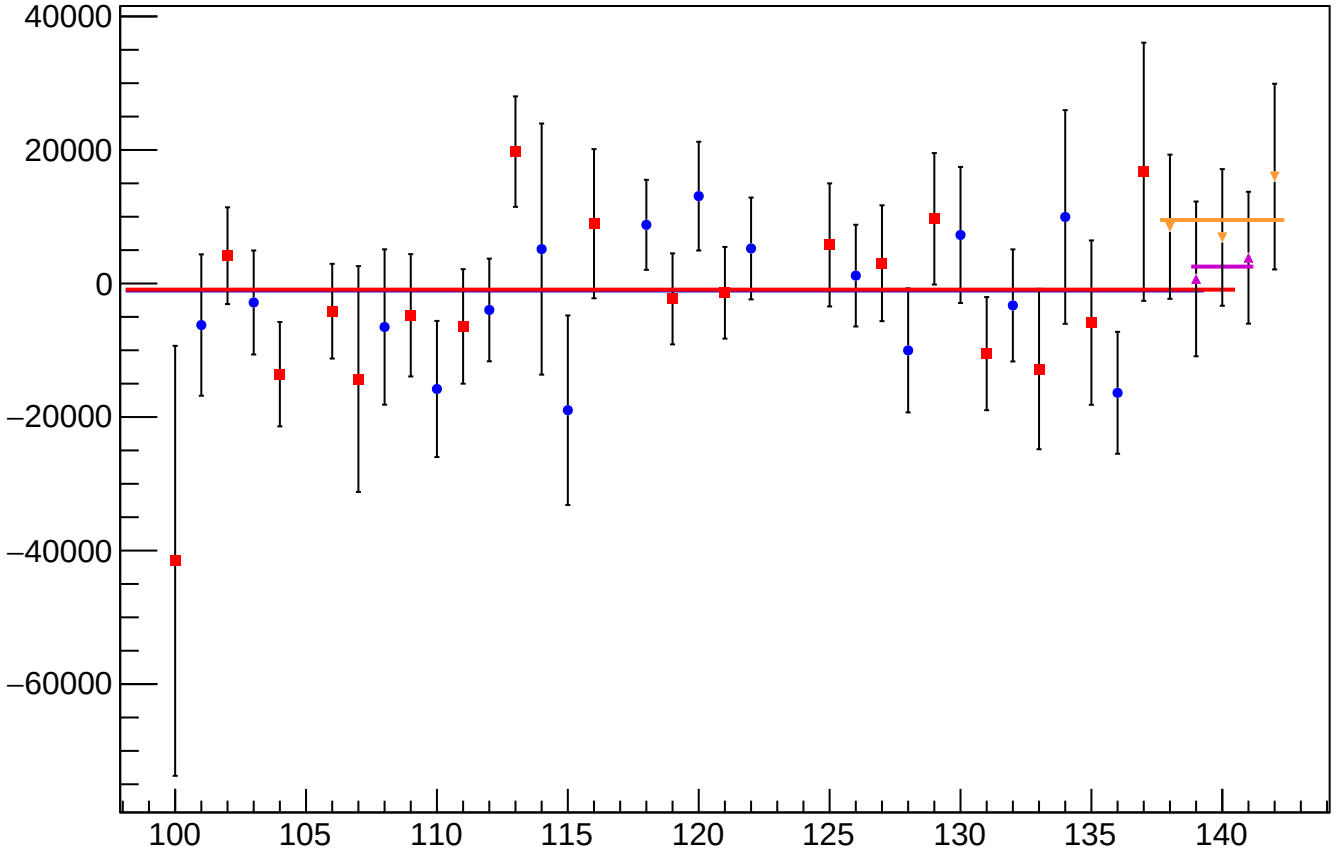
Left In: 2835.791+/-1.526 χ^2/NDF:3028.7/1

+ sign 2163.894+/-0.511 χ^2/NDF: 578215.6/18

All: 2150.236+/-0.362 χ^2/NDF: 1015980.0/38

- sign 2136.464+/-0.513 χ^2/NDF: 436328.2/19

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 9511.069+/-6551.819 χ^2/NDF:0.3/2

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

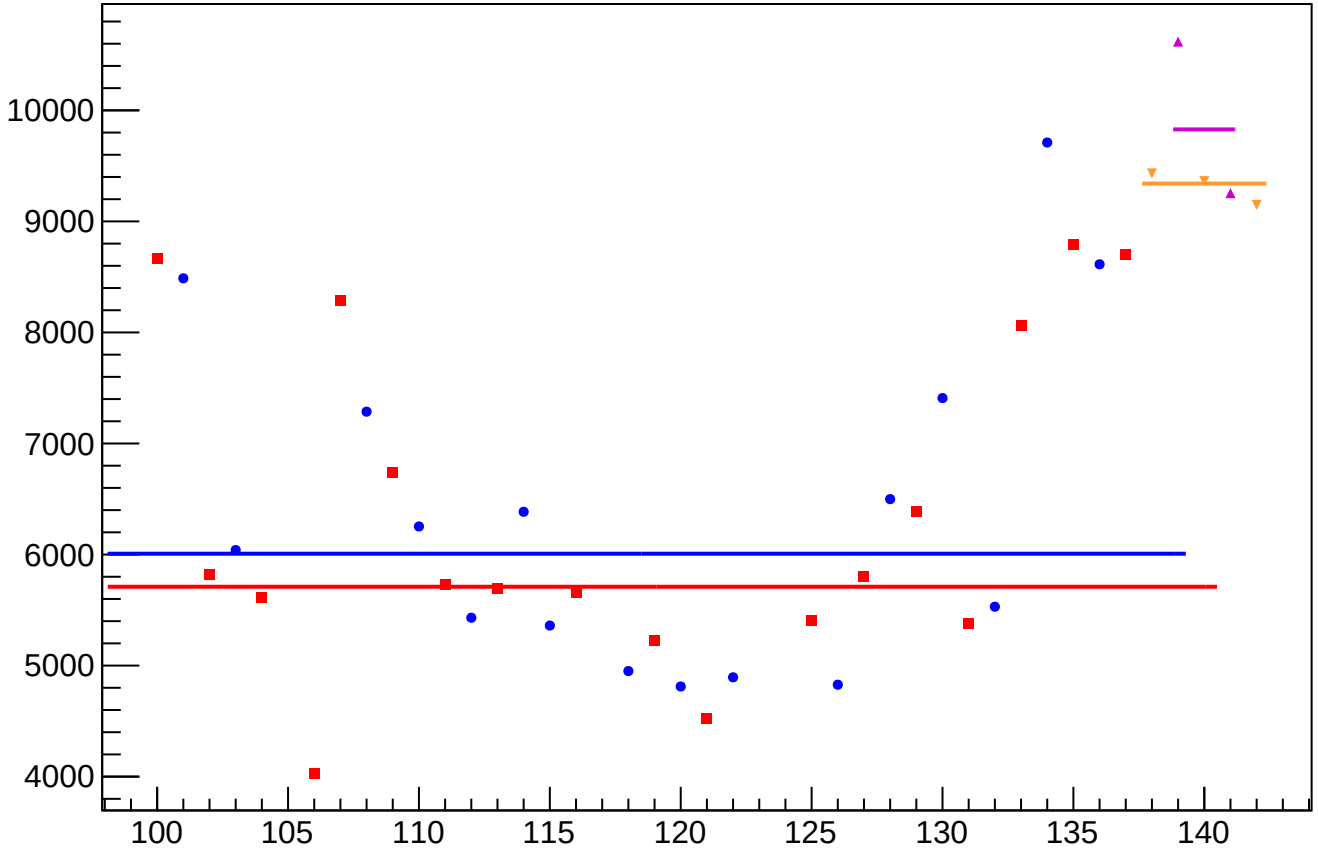
Left In: 2528.386+/-7516.215 χ^2/NDF:0.0/1

+ sign 110.528+/-2165.632 χ^2/NDF: 17.9/18

All: -291.820+/-1495.579 χ^2/NDF: 36.6/38

- sign -658.669+/-2067.889 χ^2/NDF: 18.6/19

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9340.500+/-4.633 χ^2/NDF:532.3/2

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

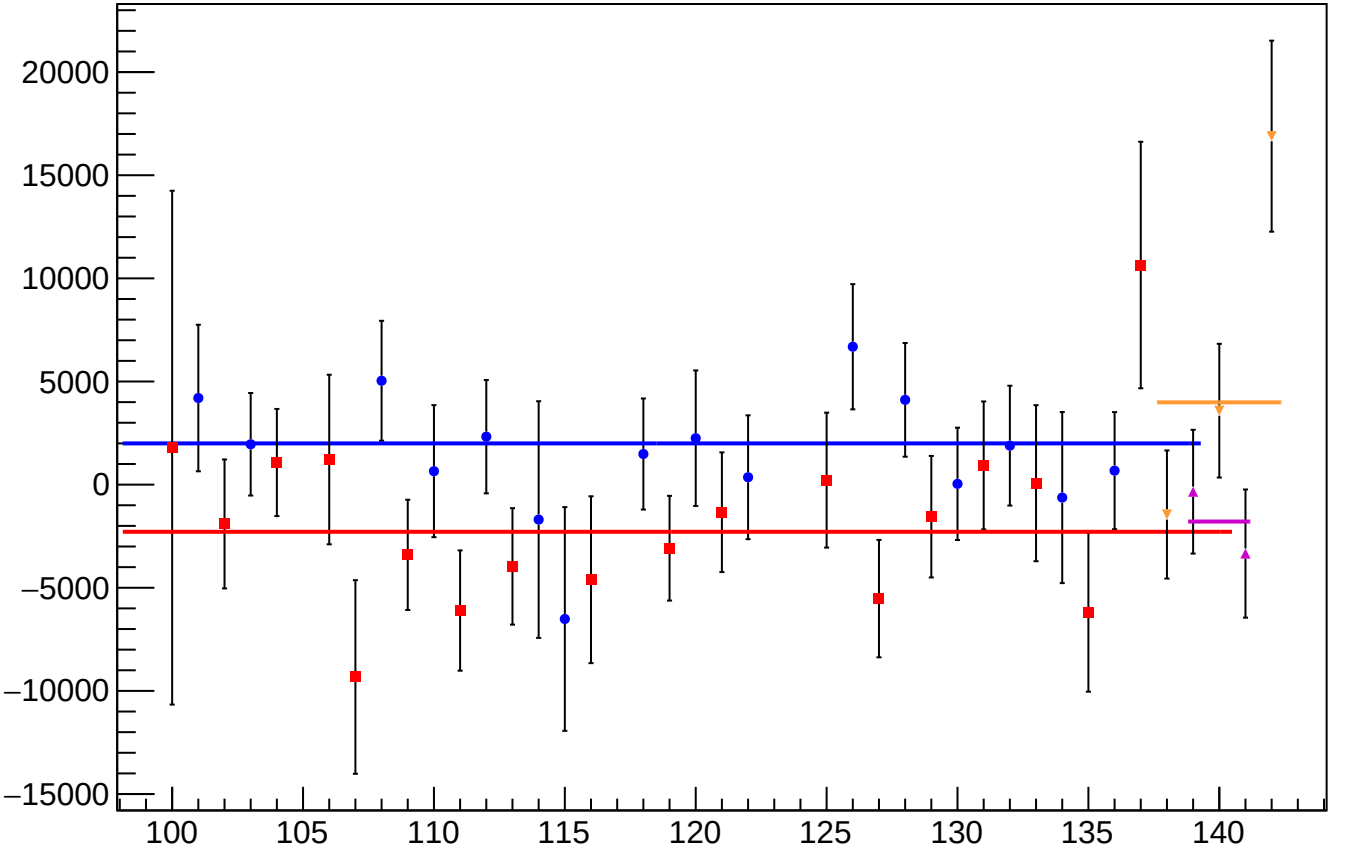
Left In: 9828.482+/-5.315 χ^2/NDF:16073.6/1

+ sign 6371.584+/-1.531 χ^2/NDF: 1115580.4/18

All: 6188.542+/-1.058 χ^2/NDF: 2249958.2/38

- sign 6021.650+/-1.462 χ^2/NDF: 1107063.2/19

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 3990.294+/-2018.509 χ^2/NDF:10.8/2

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

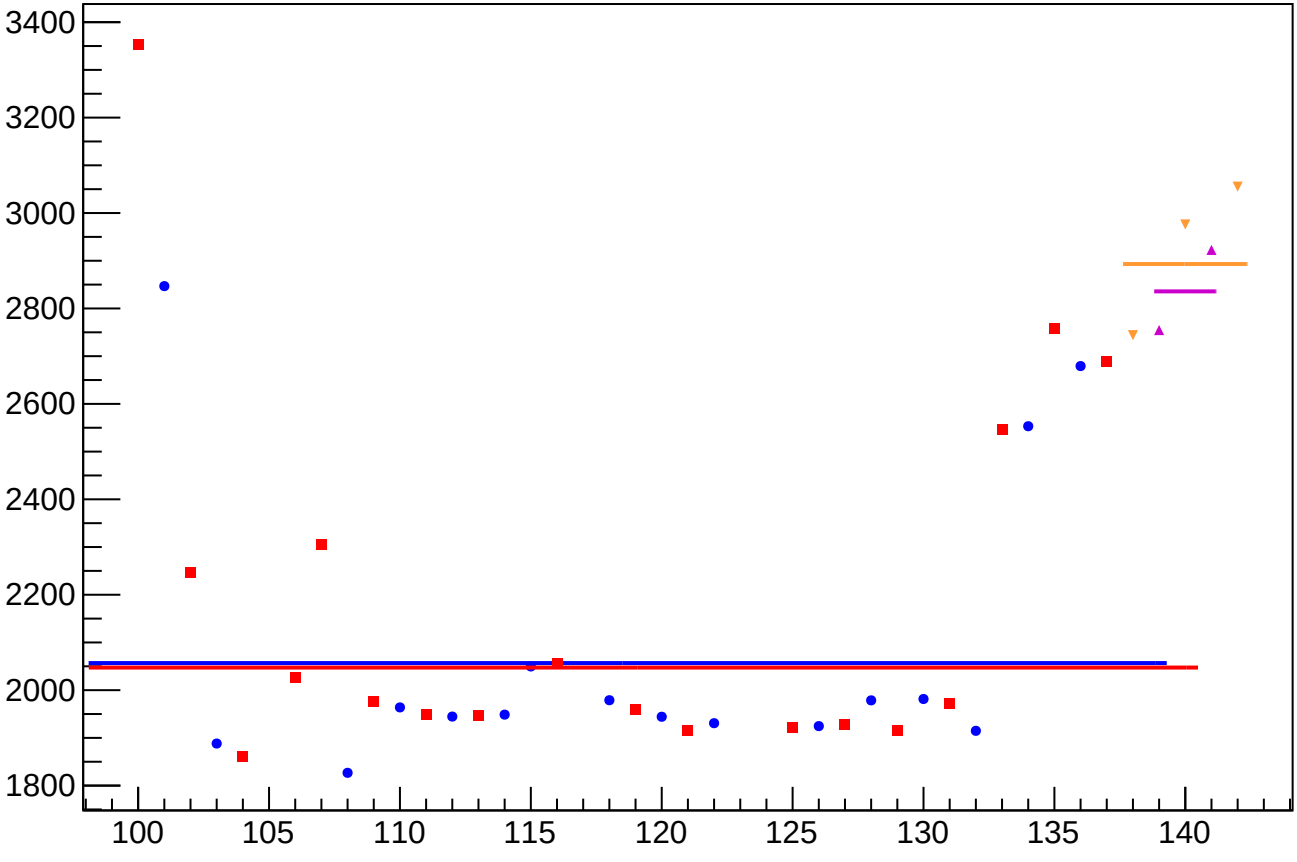
Left In: -1789.659+/-2158.029 χ^2/NDF:0.5/1

+ sign 2254.183+/-722.315 χ^2/NDF: 20.7/18

All: 24.590+/-512.158 χ^2/NDF: 57.0/38

- sign -2229.693+/-726.303 χ^2/NDF: 17.2/19

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2893.152+/-1.427 χ^2/NDF:8369.7/2

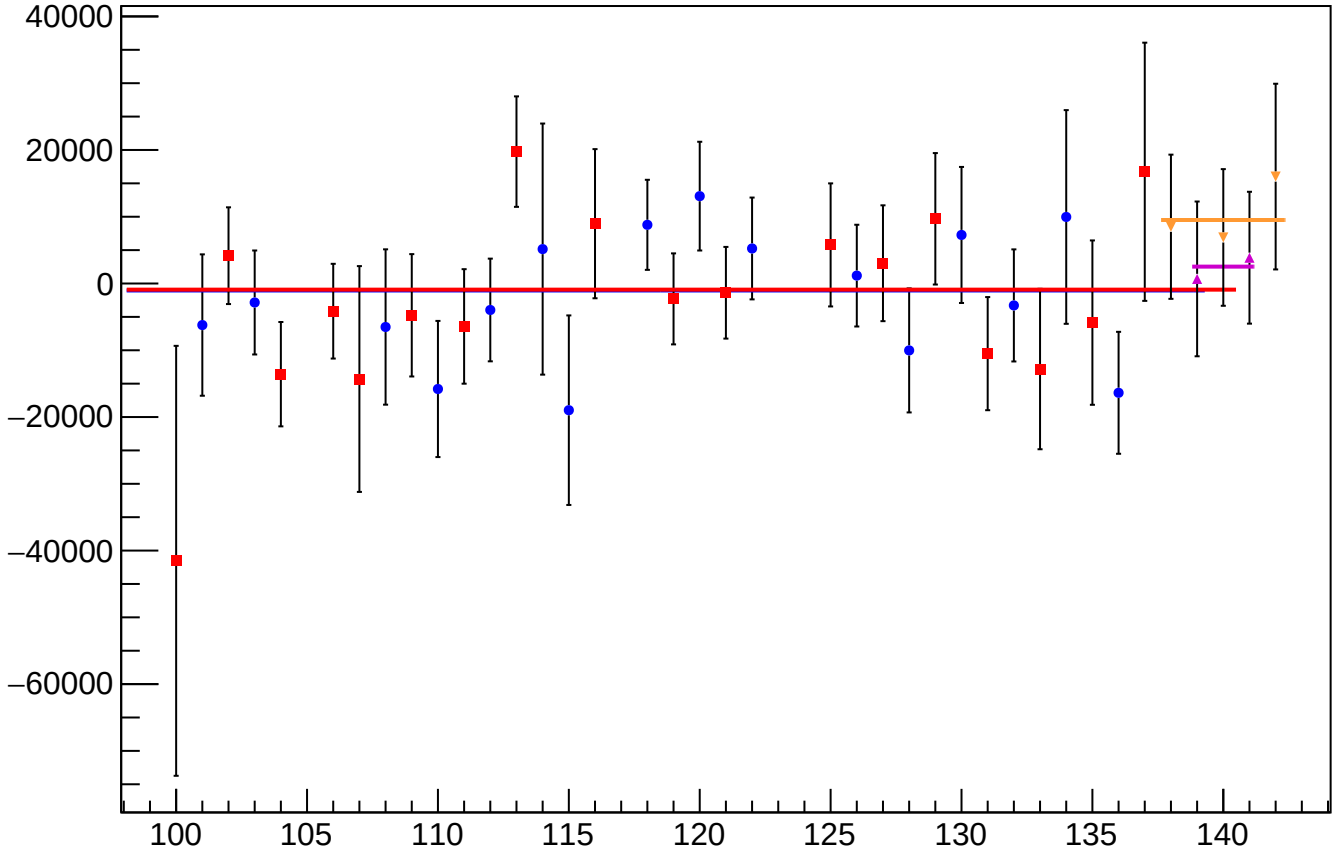
Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2835.794+/-1.526 χ^2/NDF:3028.7/1

+ sign 2163.894+/-0.511 χ^2/NDF: 578217.0/18

All: 2150.236+/-0.362 χ^2/NDF: 1015983.0/38

- sign 2136.464+/-0.513 χ^2/NDF: 436329.9/19



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 9511.109+/-6551.837 χ^2/NDF:0.3/2

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

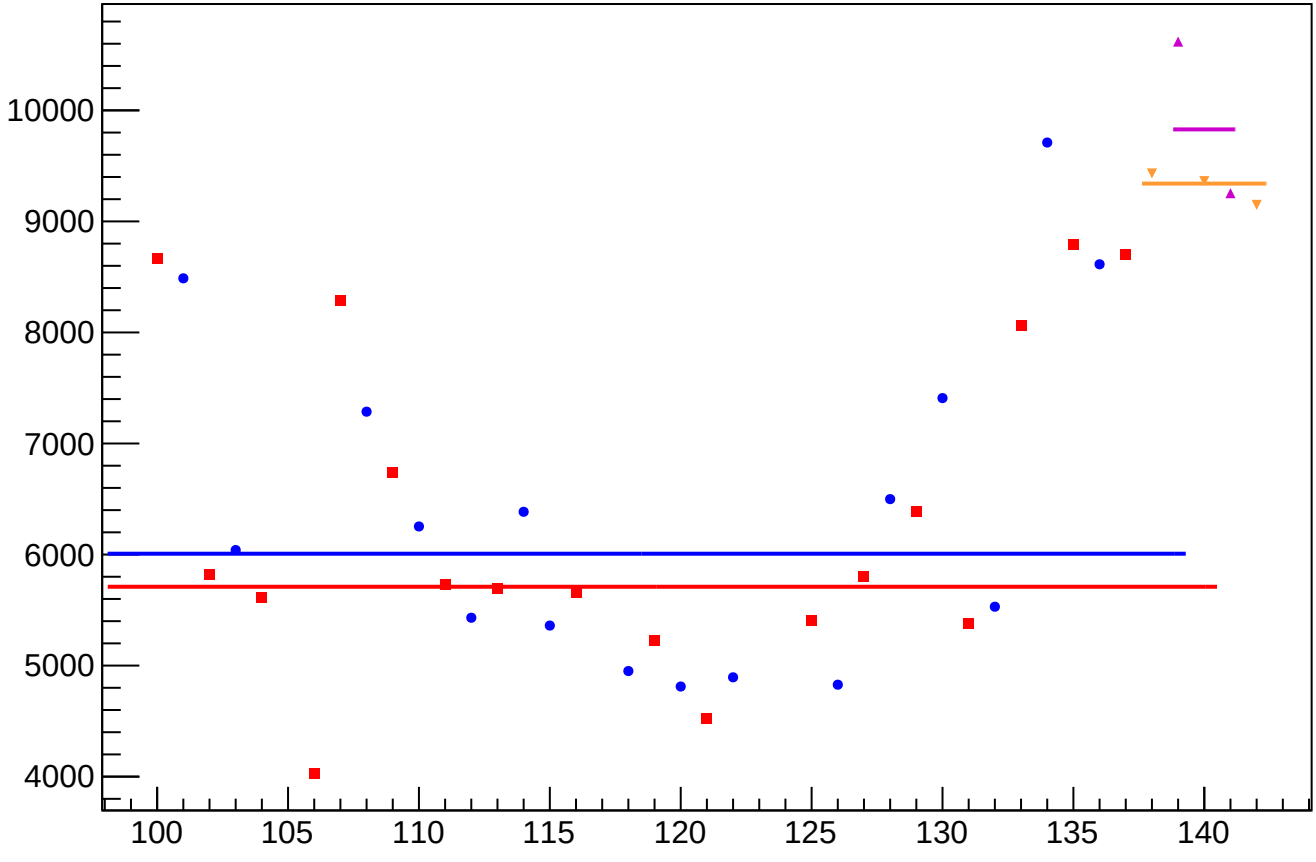
Left In: 2528.389+/-7516.233 χ^2/NDF:0.0/1

+ sign 110.532+/-2165.627 χ^2/NDF: 17.9/18

All: -291.822+/-1495.576 χ^2/NDF: 36.6/38

- sign -658.676+/-2067.884 χ^2/NDF: 18.6/19

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9340.526+/-4.633 χ^2/NDF:532.3/2

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

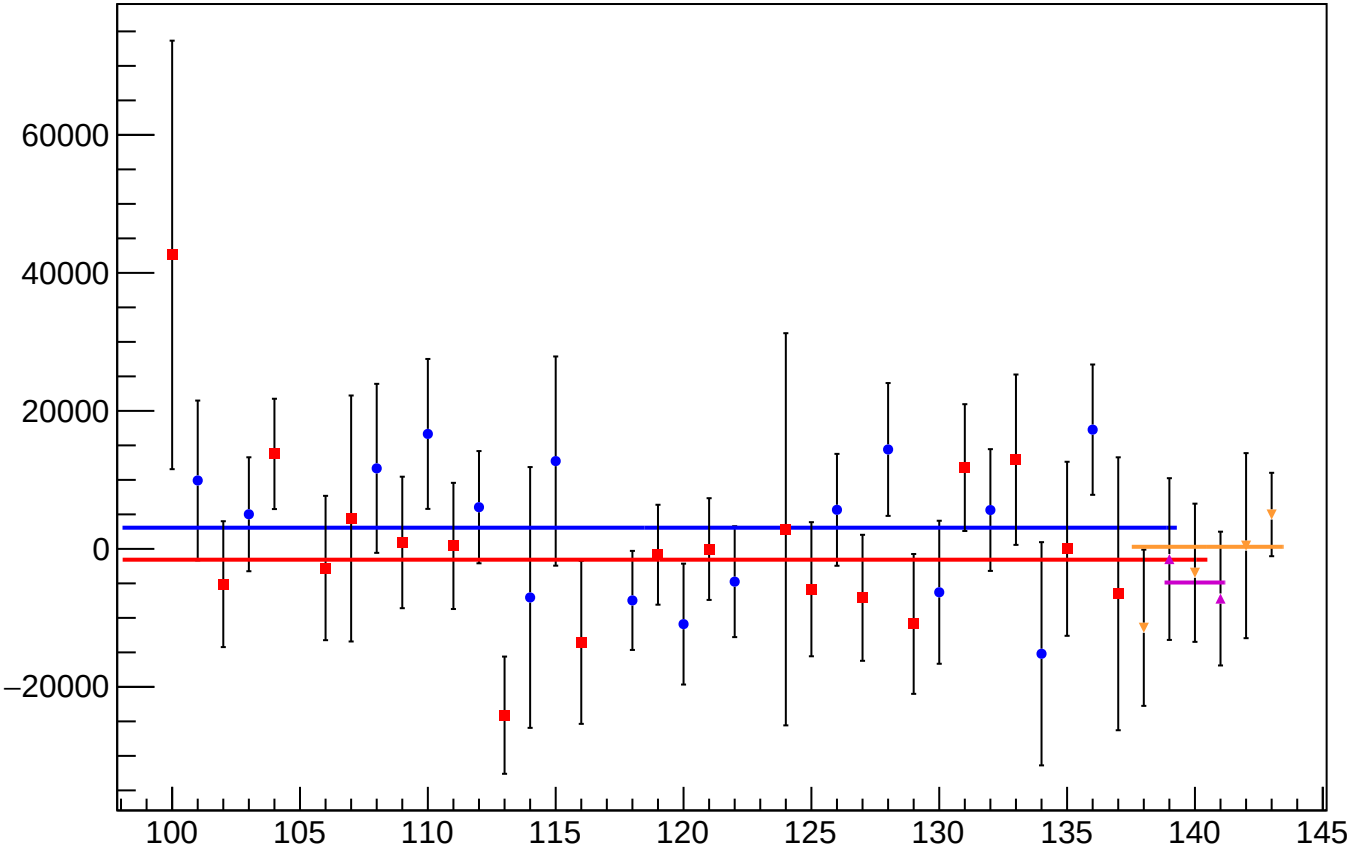
Left In: 9828.504+/-5.315 χ^2/NDF:16074.1/1

+ sign 6371.565+/-1.531 χ^2/NDF: 1115599.3/18

All: 6188.524+/-1.058 χ^2/NDF: 2249989.7/38

- sign 6021.633+/-1.462 χ^2/NDF: 1107075.9/19

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 302.122+/-4440.692 χ^2/NDF:1.8/3

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

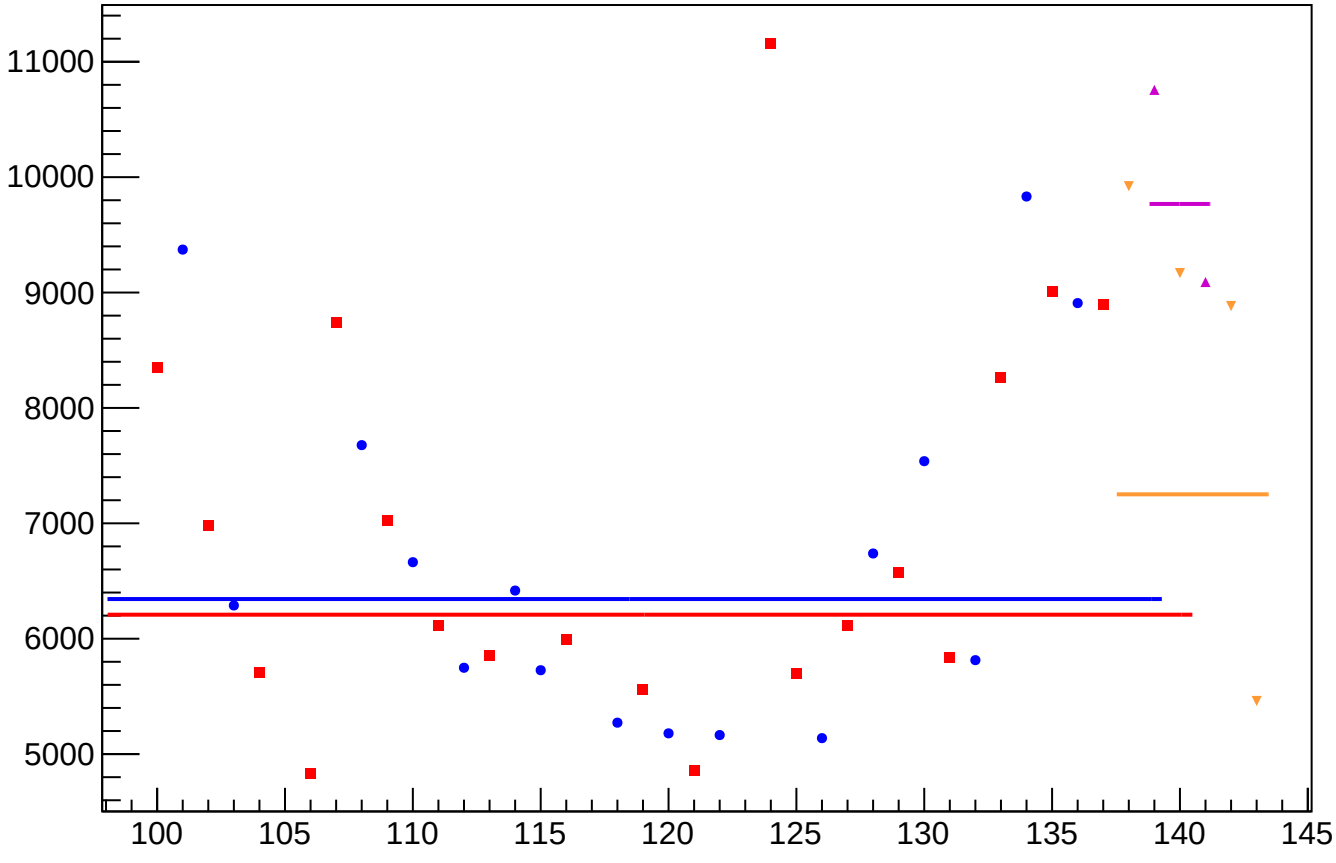
Left In: -4874.816+/-7470.180 χ^2/NDF:0.1/1

+ sign 2436.149+/-2125.437 χ^2/NDF: 17.0/19

All: 389.797+/-1538.362 χ^2/NDF: 38.5/40

- sign -1861.703+/-2229.431 χ^2/NDF: 19.5/20

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7251.264+/-3.140 χ^2/NDF:389818.3/3

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

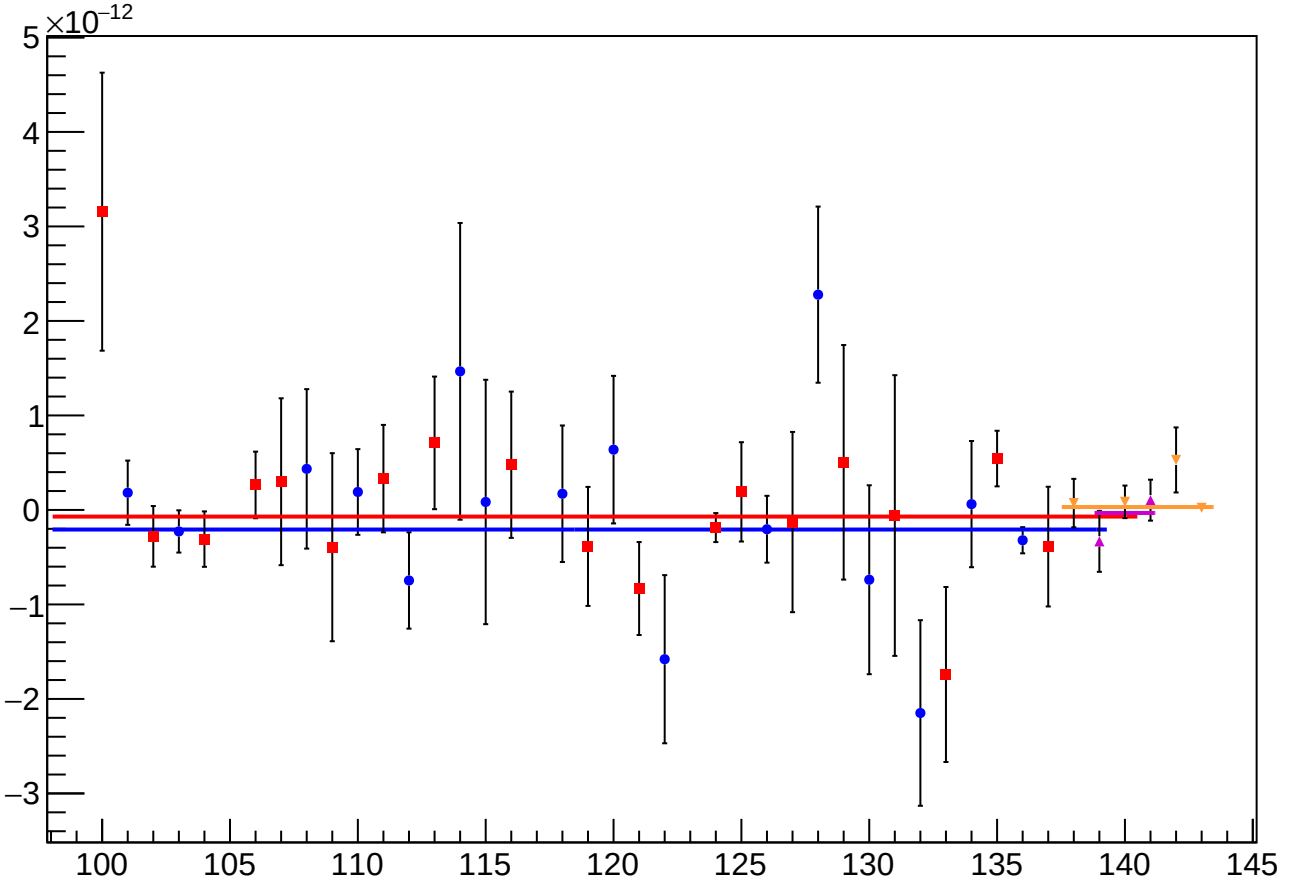
Left In: 9767.752+/-5.282 χ^2/NDF:23974.6/1

+ sign 6551.682+/-1.503 χ^2/NDF: 1075445.4/19

All: 6539.050+/-1.088 χ^2/NDF: 1985093.4/40

- sign 6525.152+/-1.576 χ^2/NDF: 909499.6/20

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:2.3/3

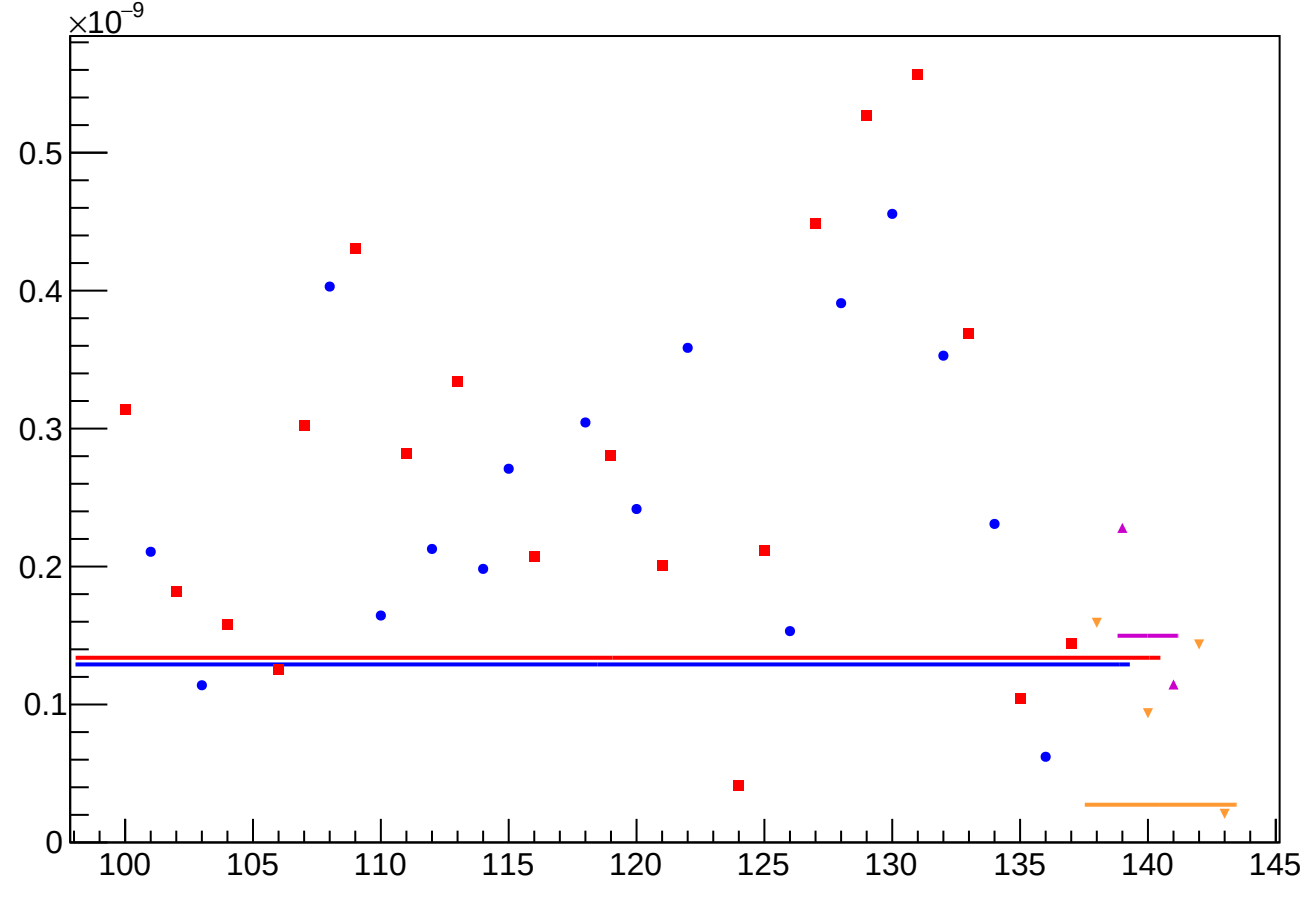
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/19

All: -0.000+/-0.000 χ^2/NDF: 51.4/40

- sign -0.000+/-0.000 χ^2/NDF: 22.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1122109.6/3

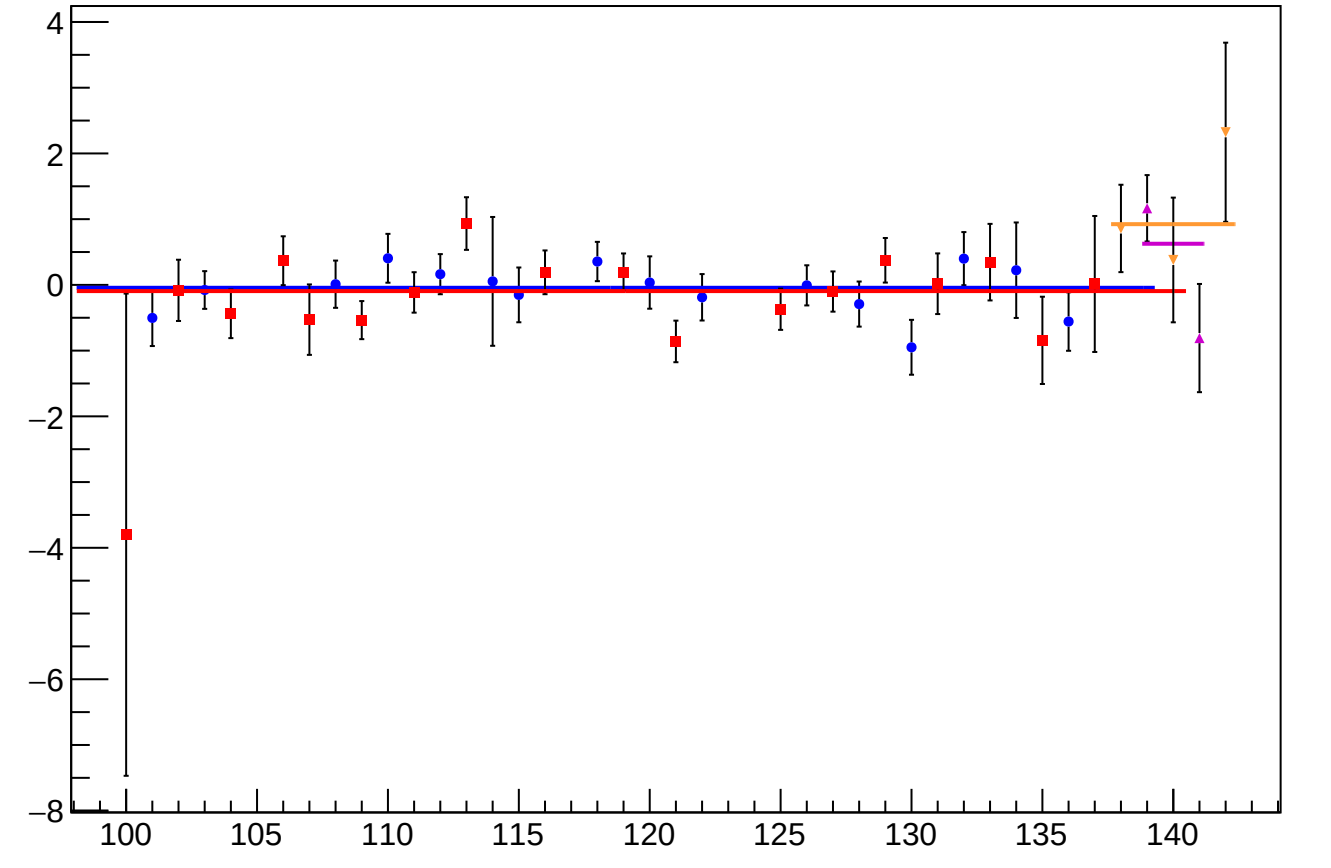
Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:170750.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 4858700.2/19

All: 0.000+/-0.000 χ^2/NDF: 9709939.2/40

- sign 0.000+/-0.000 χ^2/NDF: 2487495.6/20



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

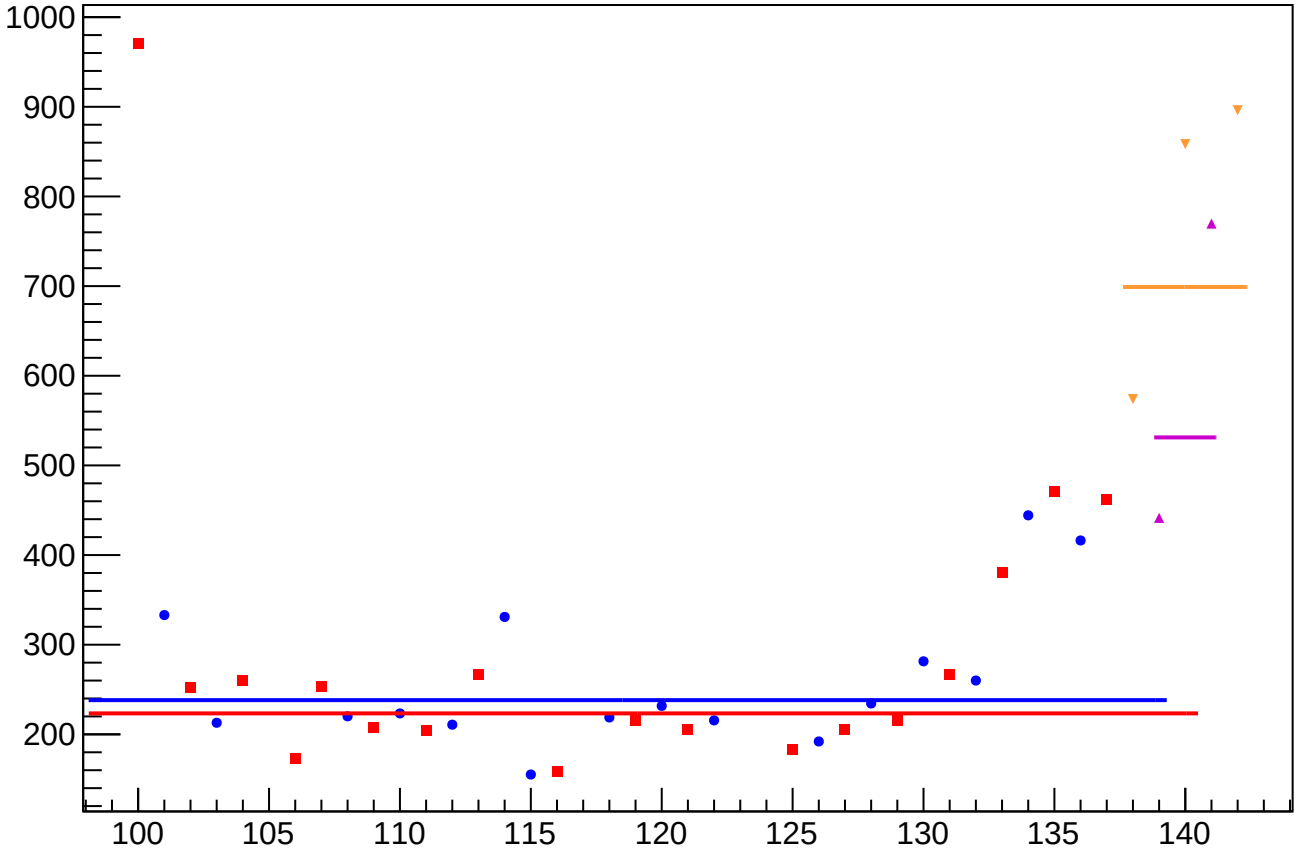
Left In: 0.626+/-0.430 χ^2/NDF:4.2/1

\+ sign -0.012+/-0.092 χ^2/NDF: 18.0/18

All: -0.039+/-0.064 χ^2/NDF: 50.3/38

\- sign -0.064+/-0.088 χ^2/NDF: 32.1/19

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 699.042+/-0.357 χ^2/NDF:169121.0/2

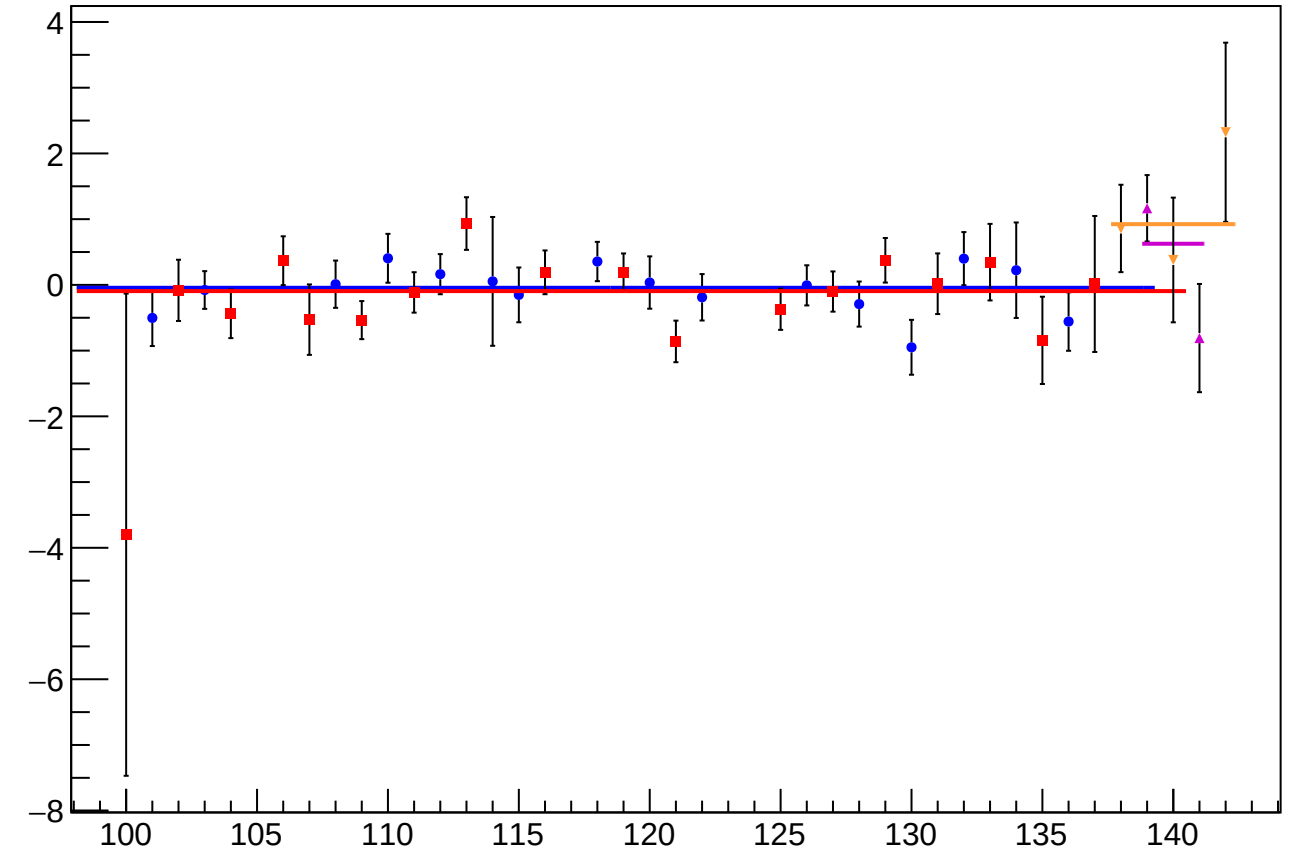
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 531.227+/-0.304 χ^2/NDF:231036.6/1

+ sign 253.503+/-0.065 χ^2/NDF: 2583272.4/18

All: 244.507+/-0.045 χ^2/NDF: 4693234.0/38

- sign 236.292+/-0.062 χ^2/NDF: 2073552.1/19



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

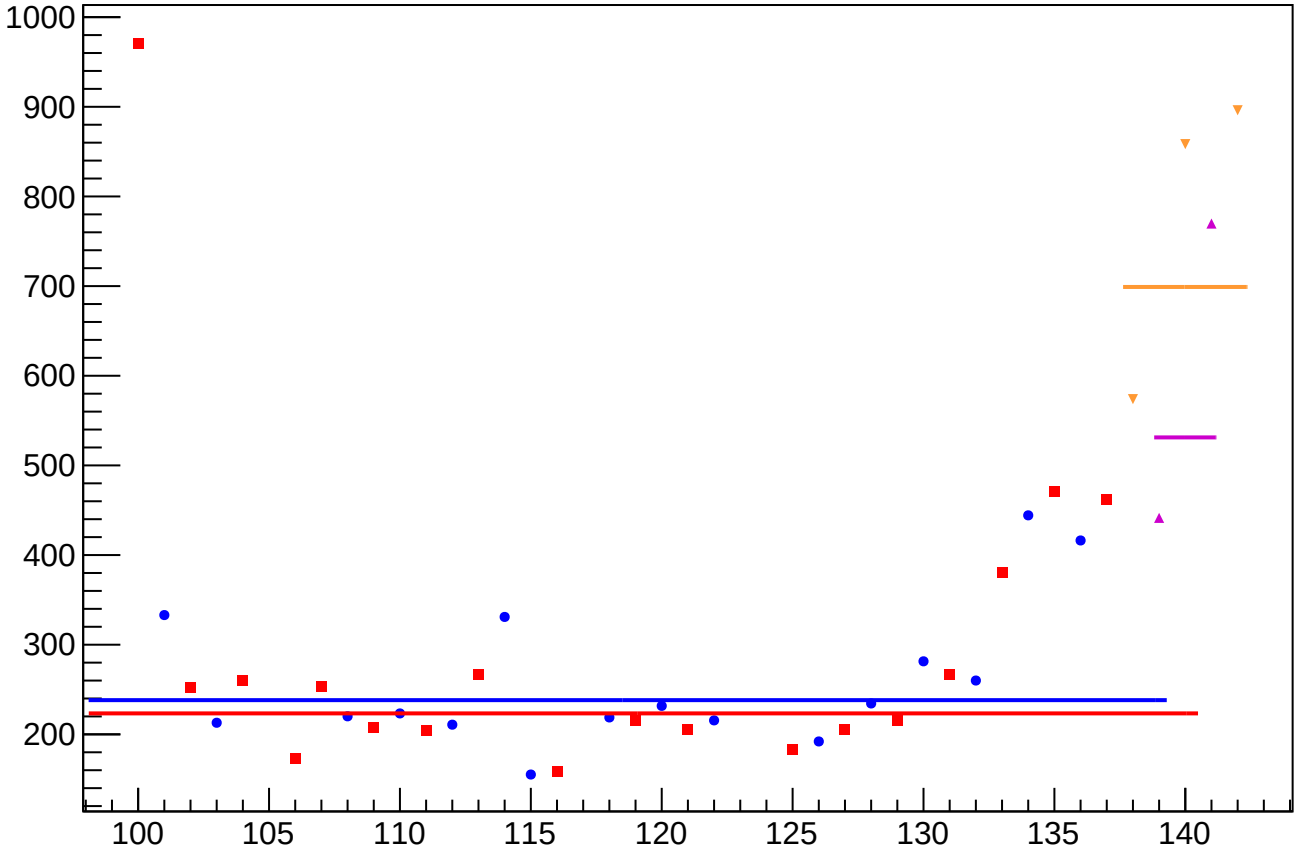
Left In: 0.626+/-0.430 χ^2/NDF:4.2/1

\+ sign -0.012+/-0.092 χ^2/NDF: 18.0/18

All: -0.039+/-0.064 χ^2/NDF: 50.3/38

\- sign -0.064+/-0.088 χ^2/NDF: 32.1/19

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 699.042+/-0.357 χ^2/NDF:169121.0/2

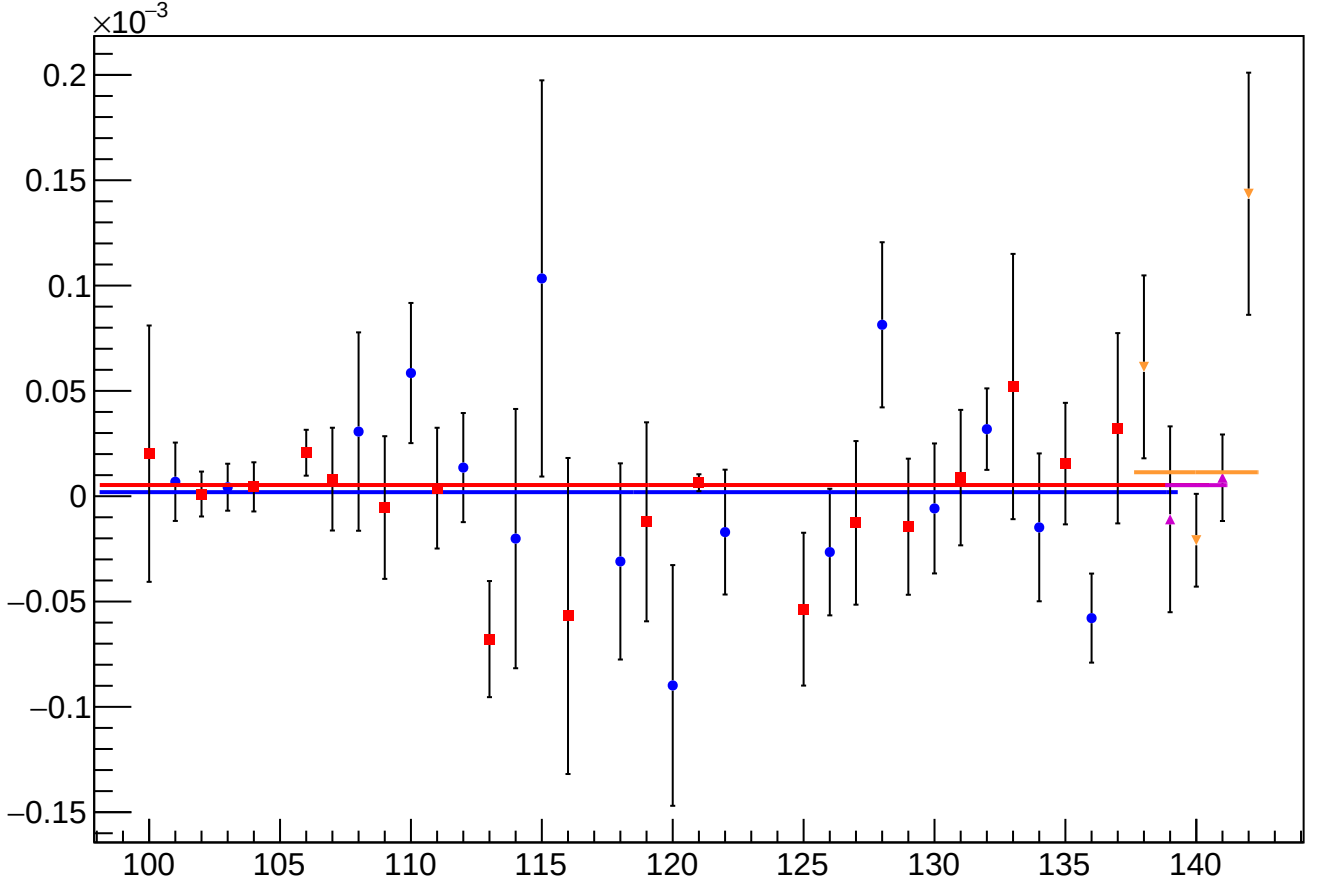
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 531.227+/-0.304 χ^2/NDF:231036.6/1

+ sign 253.503+/-0.065 χ^2/NDF: 2583272.4/18

All: 244.507+/-0.045 χ^2/NDF: 4693234.0/38

- sign 236.292+/-0.062 χ^2/NDF: 2073552.1/19



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.8/2

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

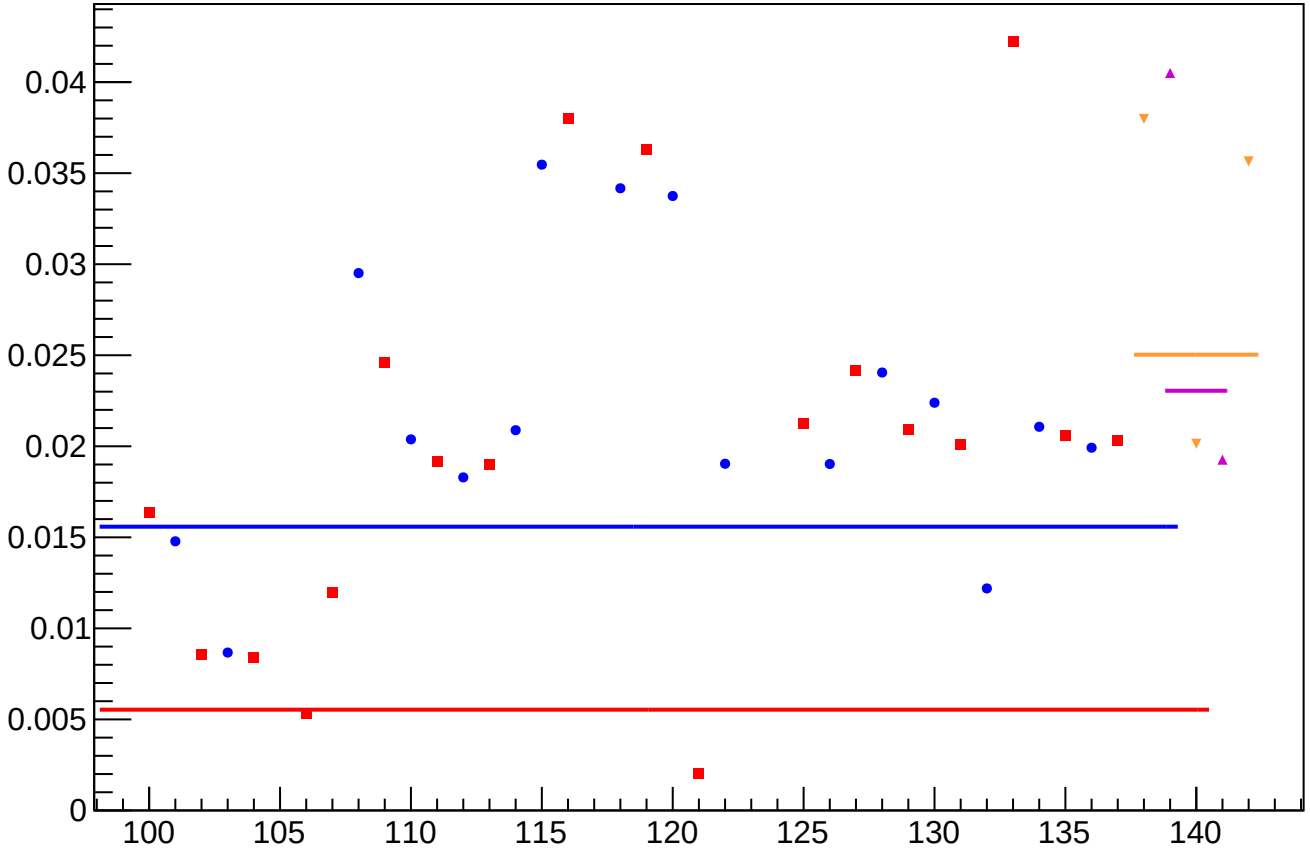
Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 33.0/18

All: 0.000+/-0.000 χ^2/NDF: 47.9/38

- sign 0.000+/-0.000 χ^2/NDF: 14.7/19

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.025+/-0.000 χ^2/NDF:344818.1/2

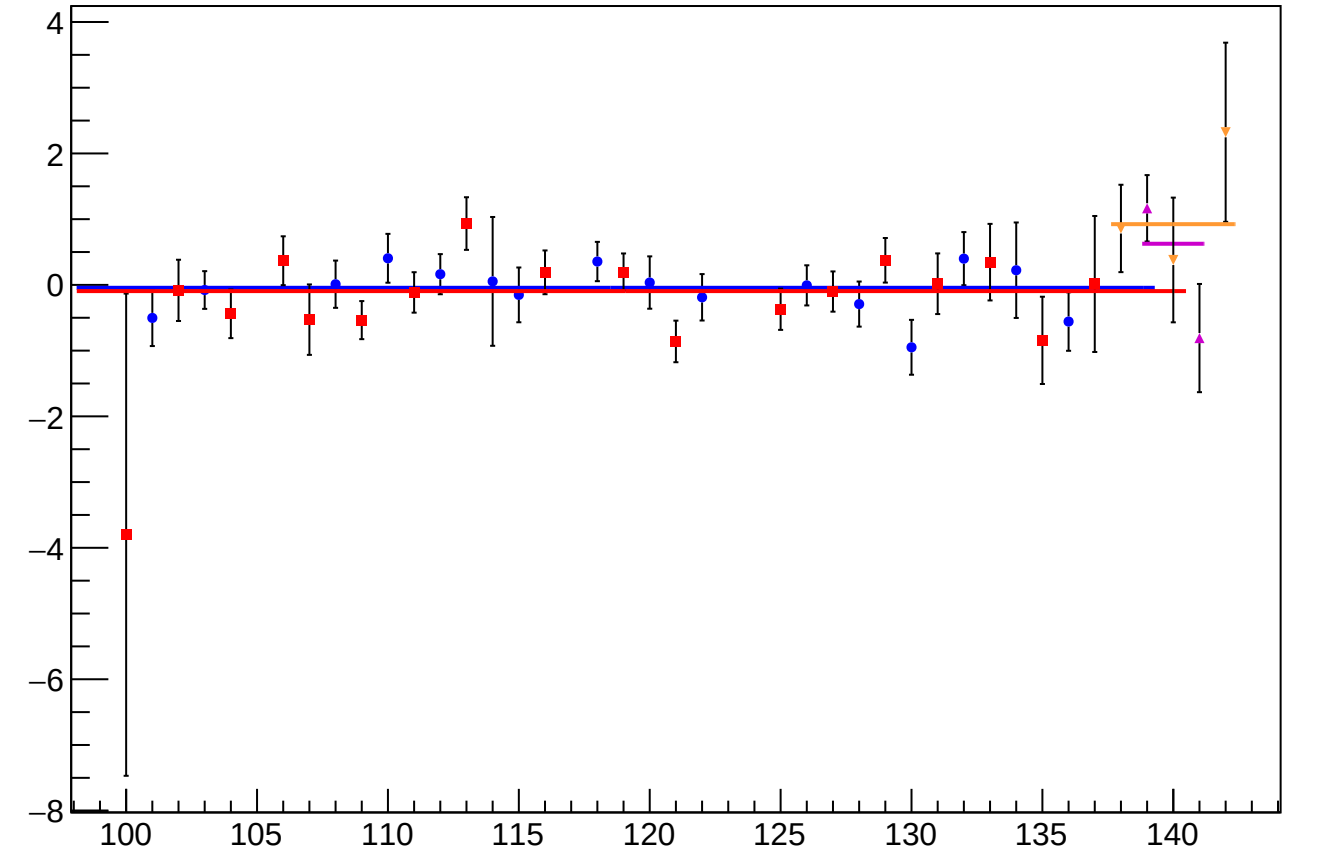
Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.023+/-0.000 χ^2/NDF:381019.9/1

+ sign 0.017+/-0.000 χ^2/NDF: 2881730.8/18

All: 0.008+/-0.000 χ^2/NDF: 17737181.6/38

- sign 0.006+/-0.000 χ^2/NDF: 10055184.1/19



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

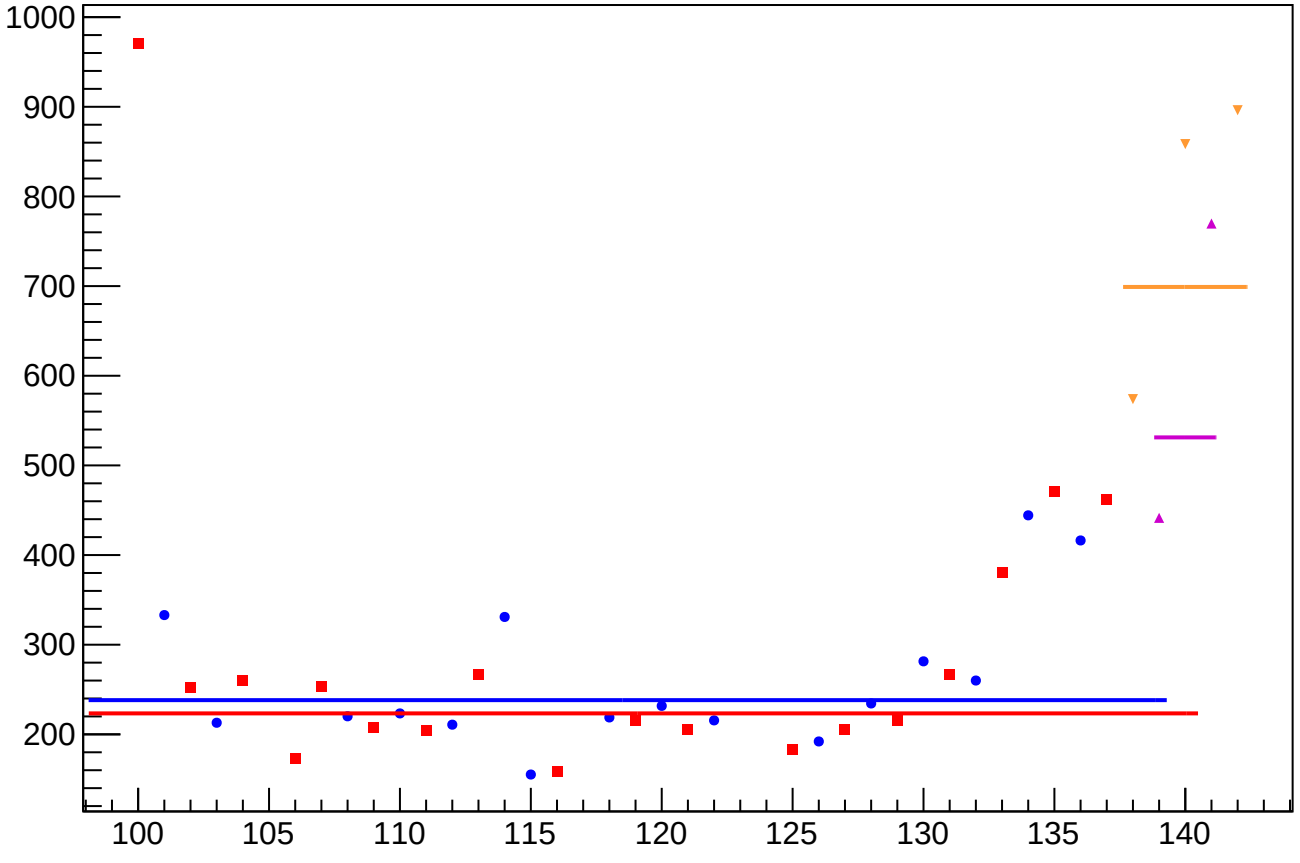
Left In: 0.626+/-0.430 χ^2/NDF:4.2/1

+ sign -0.012+/-0.092 χ^2/NDF: 18.0/18

All: -0.039+/-0.064 χ^2/NDF: 50.3/38

- sign -0.064+/-0.088 χ^2/NDF: 32.1/19

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 699.049+/-0.357 χ^2/NDF:169130.8/2

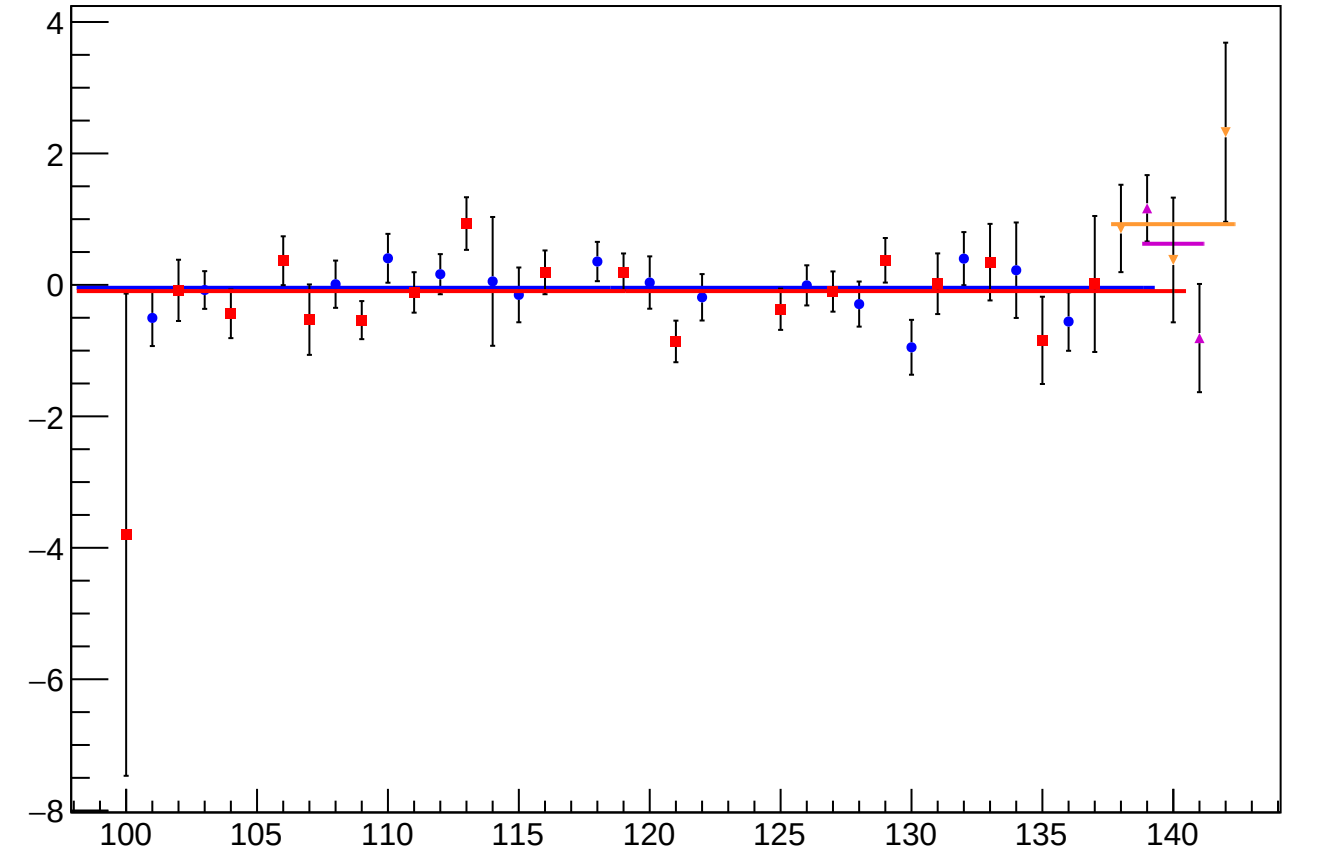
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 531.241+/-0.304 χ^2/NDF:231024.9/1

+ sign 253.504+/-0.065 χ^2/NDF: 2583257.9/18

All: 244.508+/-0.045 χ^2/NDF: 4693177.8/38

- sign 236.294+/-0.062 χ^2/NDF: 2073514.4/19



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.924+/-0.506 χ^2/NDF:1.4/2

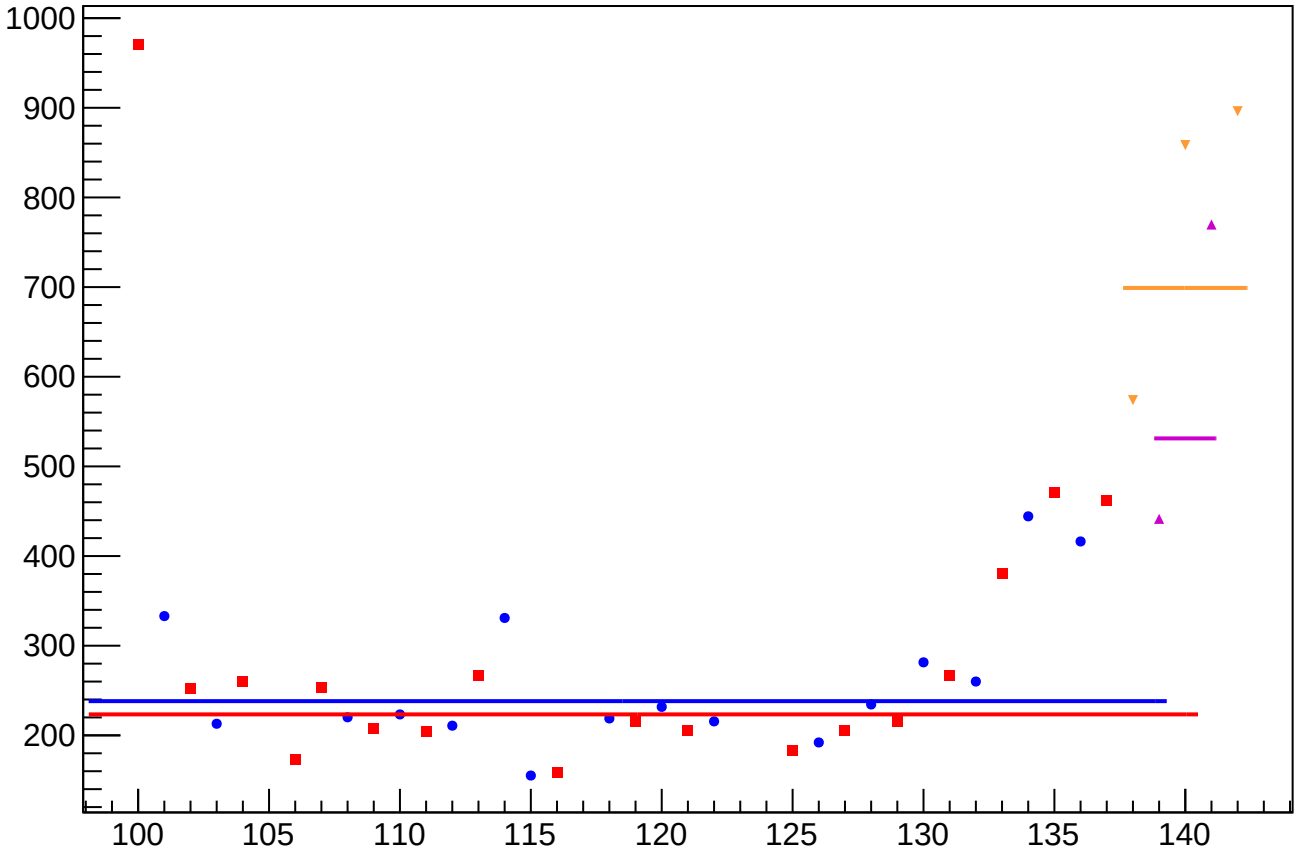
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.626+/-0.430 χ^2/NDF:4.2/1

+ sign -0.012+/-0.092 χ^2/NDF: 18.0/18

All: -0.039+/-0.064 χ^2/NDF: 50.3/38

- sign -0.064+/-0.088 χ^2/NDF: 32.1/19



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 699.049+/-0.357 χ^2/NDF:169130.8/2

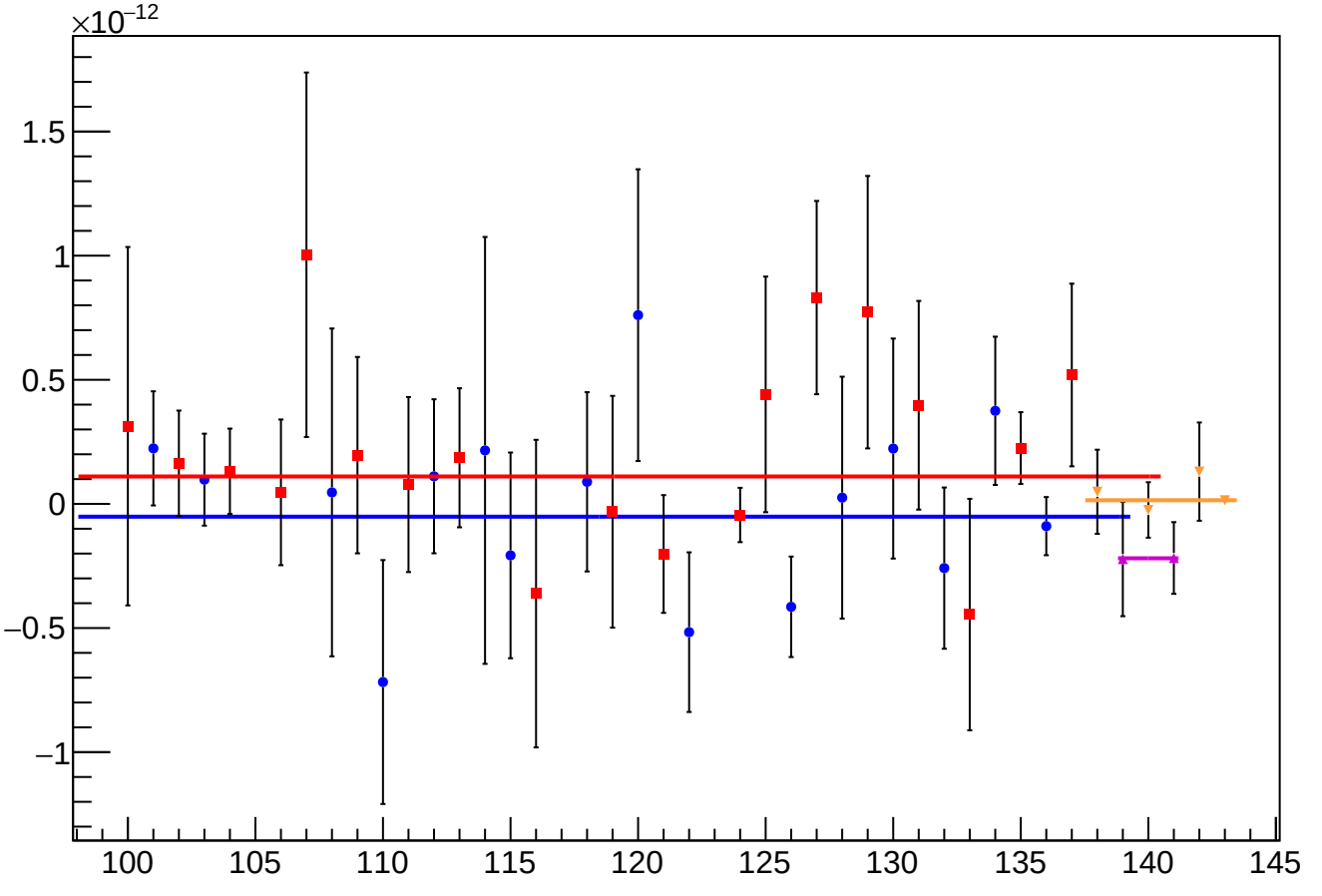
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 531.241+/-0.304 χ^2/NDF:231024.9/1

+ sign 253.504+/-0.065 χ^2/NDF: 2583257.9/18

All: 244.508+/-0.045 χ^2/NDF: 4693177.8/38

- sign 236.294+/-0.062 χ^2/NDF: 2073514.4/19



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

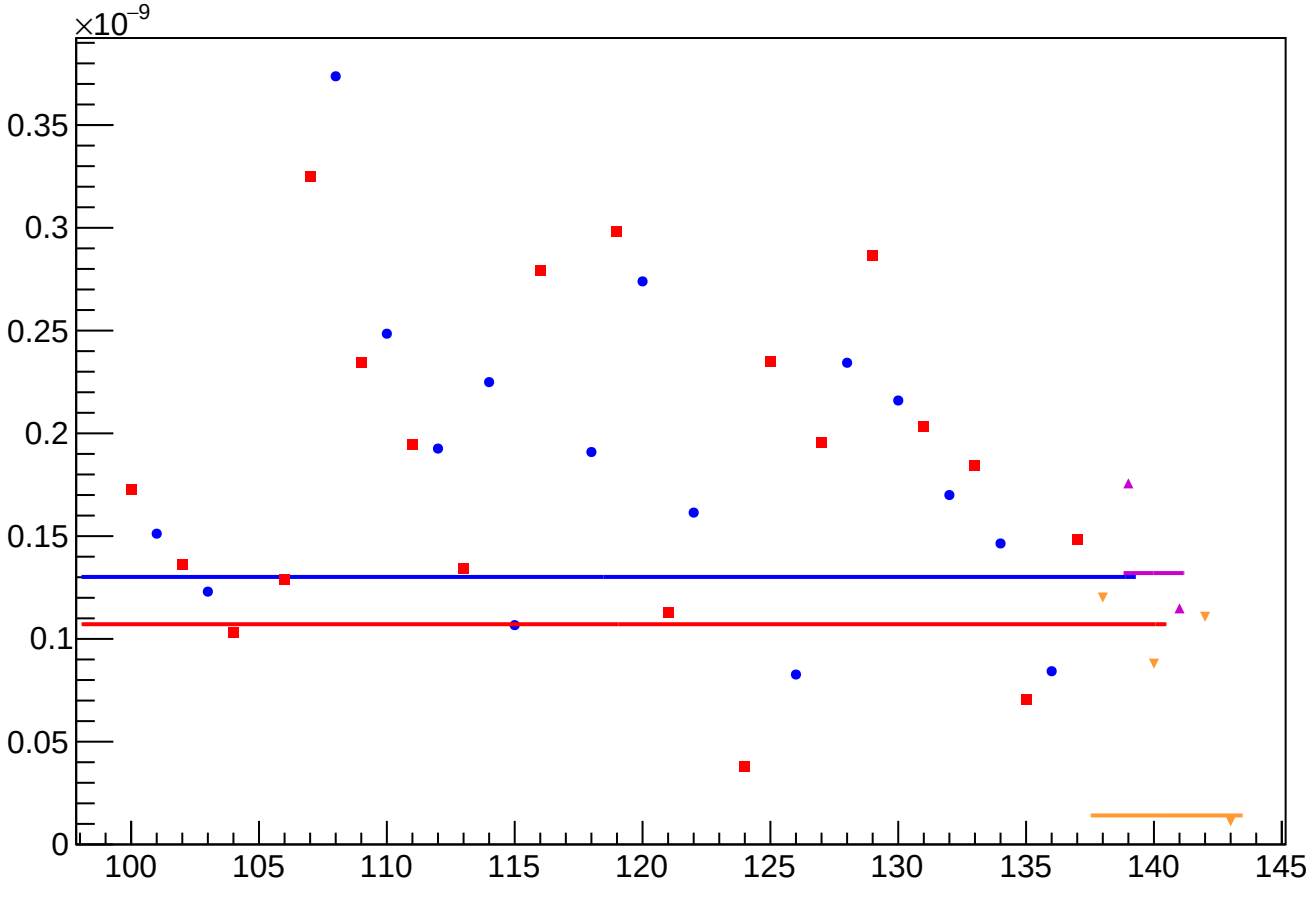
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/19

All: 0.000+/-0.000 χ^2/NDF: 37.9/40

- sign 0.000+/-0.000 χ^2/NDF: 21.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2202888.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

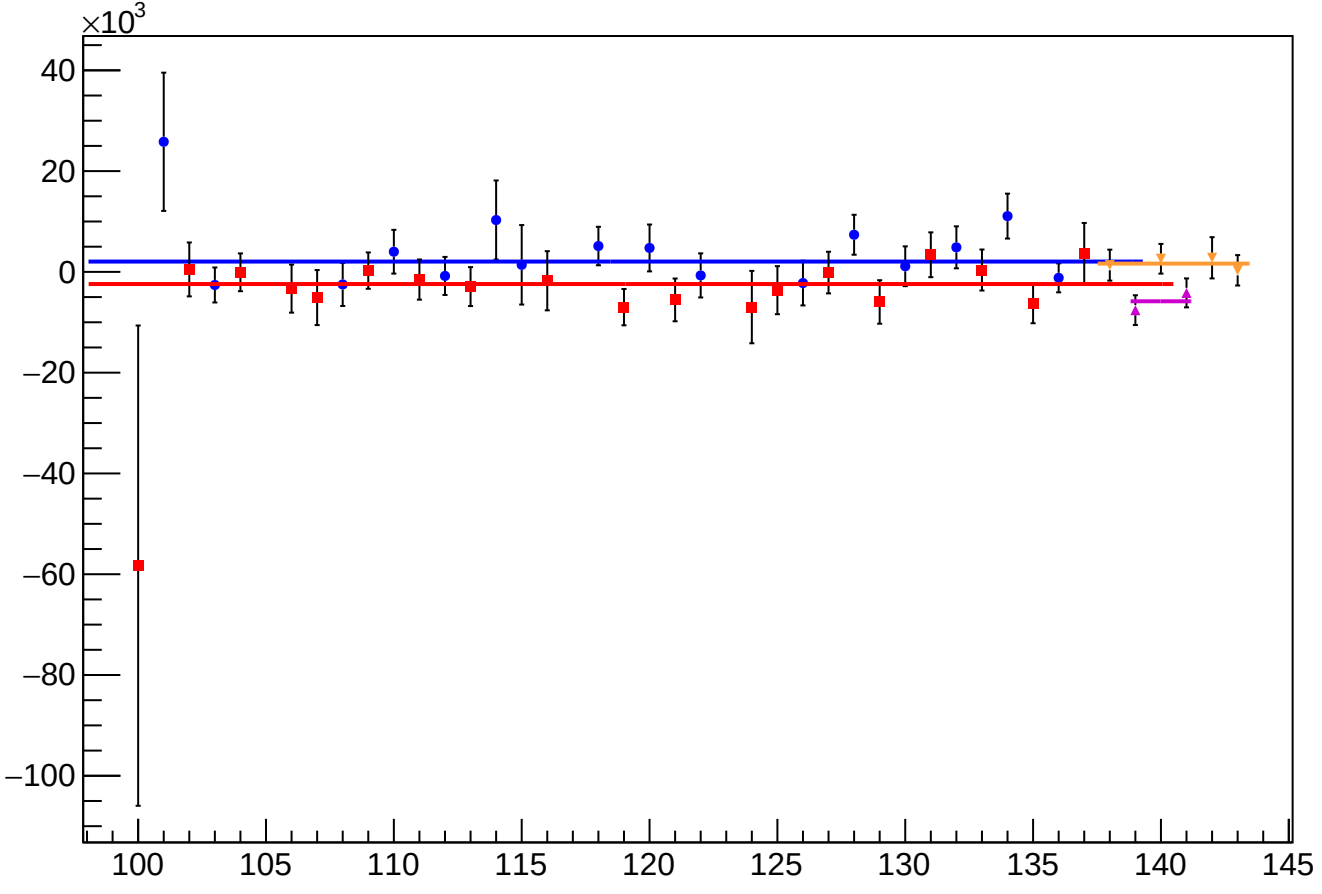
Left In: 0.000+/-0.000 χ^2/NDF:100143.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 9166124.4/19

All: 0.000+/-0.000 χ^2/NDF: 17567125.3/40

- sign 0.000+/-0.000 χ^2/NDF: 2823494.5/20

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1645.862+/-1600.365 χ^2/NDF:0.4/3

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

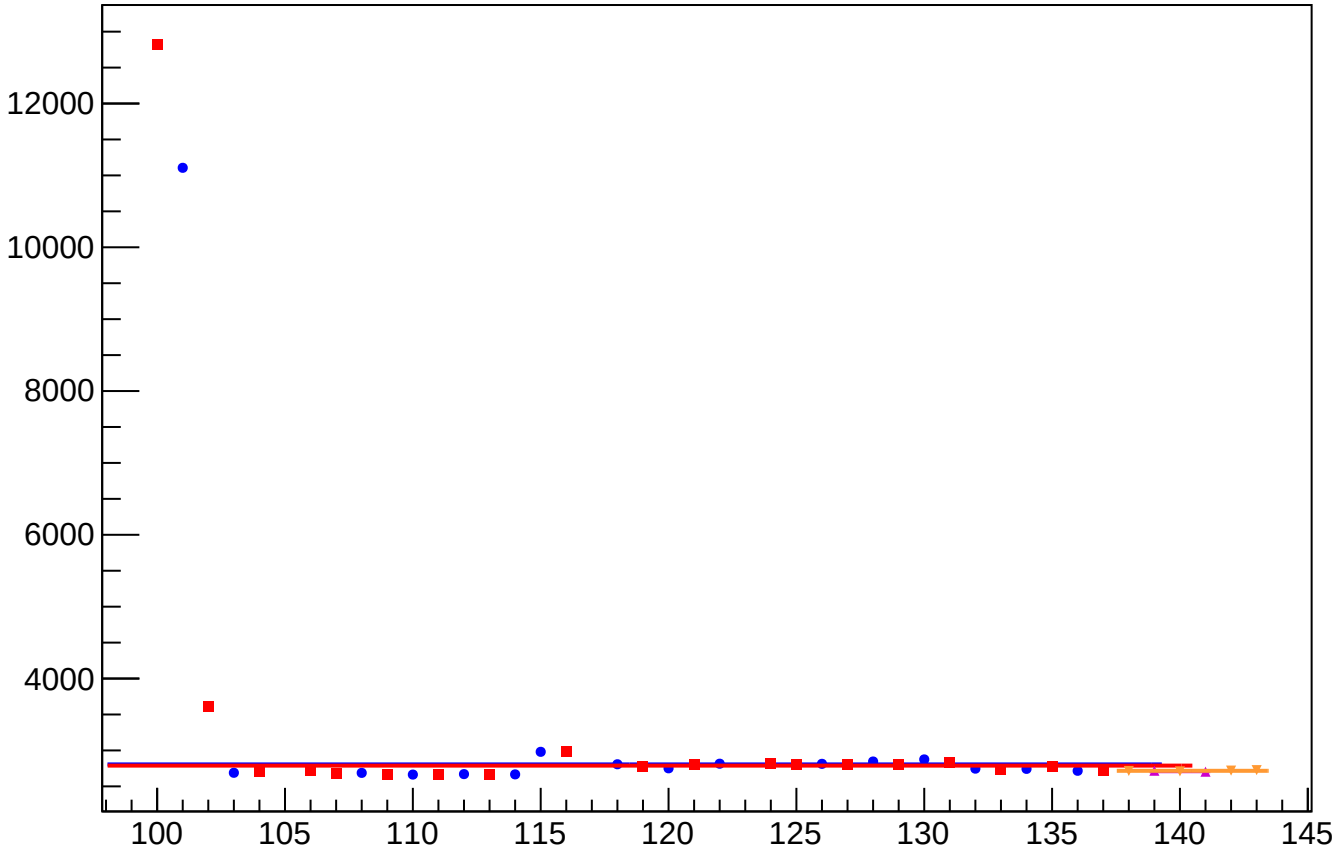
Left In: -5833.176+/-2059.981 χ^2/NDF:0.7/1

+ sign 1924.737+/-889.727 χ^2/NDF: 18.2/19

All: -490.489+/-641.295 χ^2/NDF: 47.2/40

- sign -3101.950+/-925.167 χ^2/NDF: 13.7/20

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

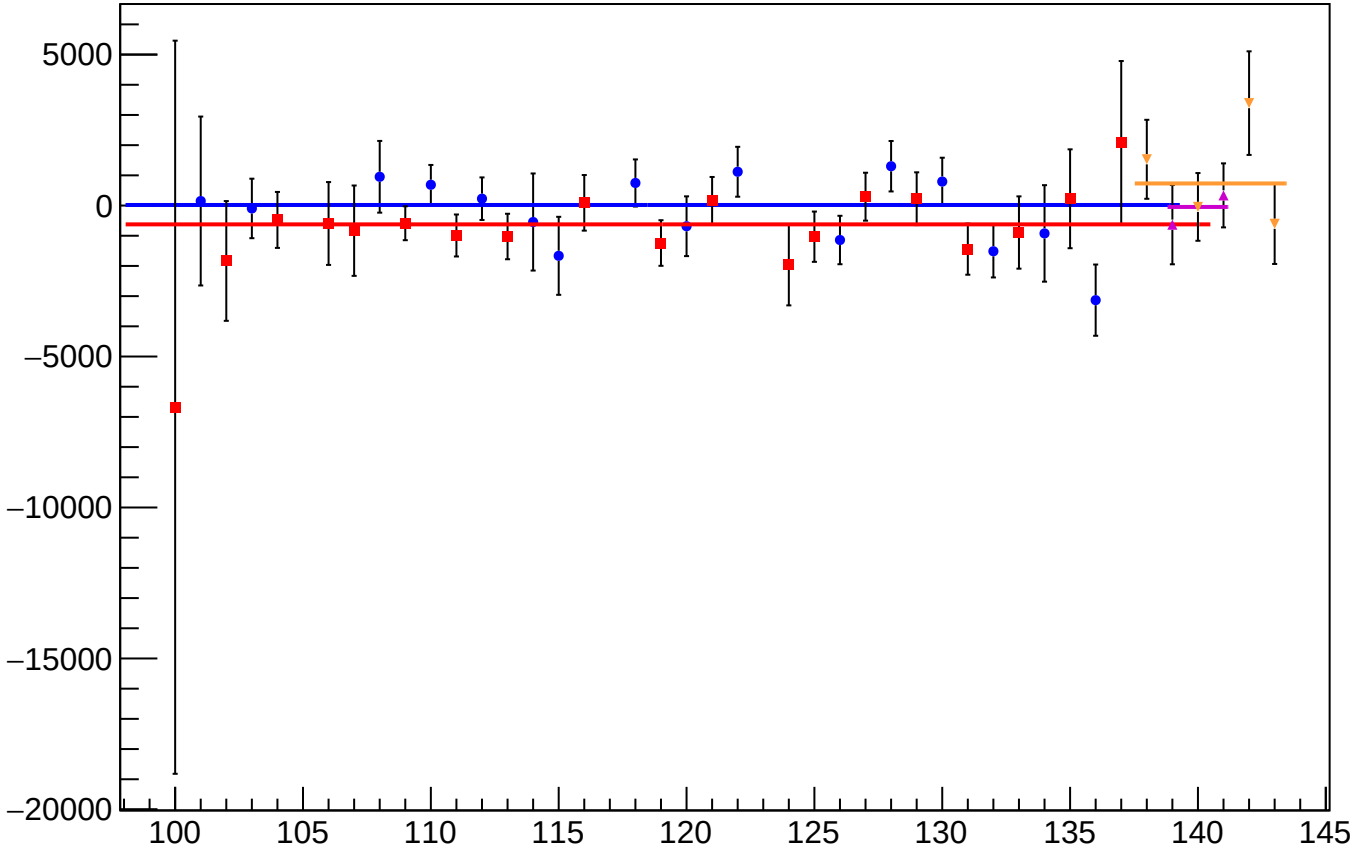
Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

+ sign 2777.942+/-0.629 χ^2/NDF: 750548.2/19

All: 2775.612+/-0.453 χ^2/NDF: 899883.8/40

- sign 2773.094+/-0.654 χ^2/NDF: 149307.2/20

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: 731.498+/-661.607 χ^2/NDF:4.3/3

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

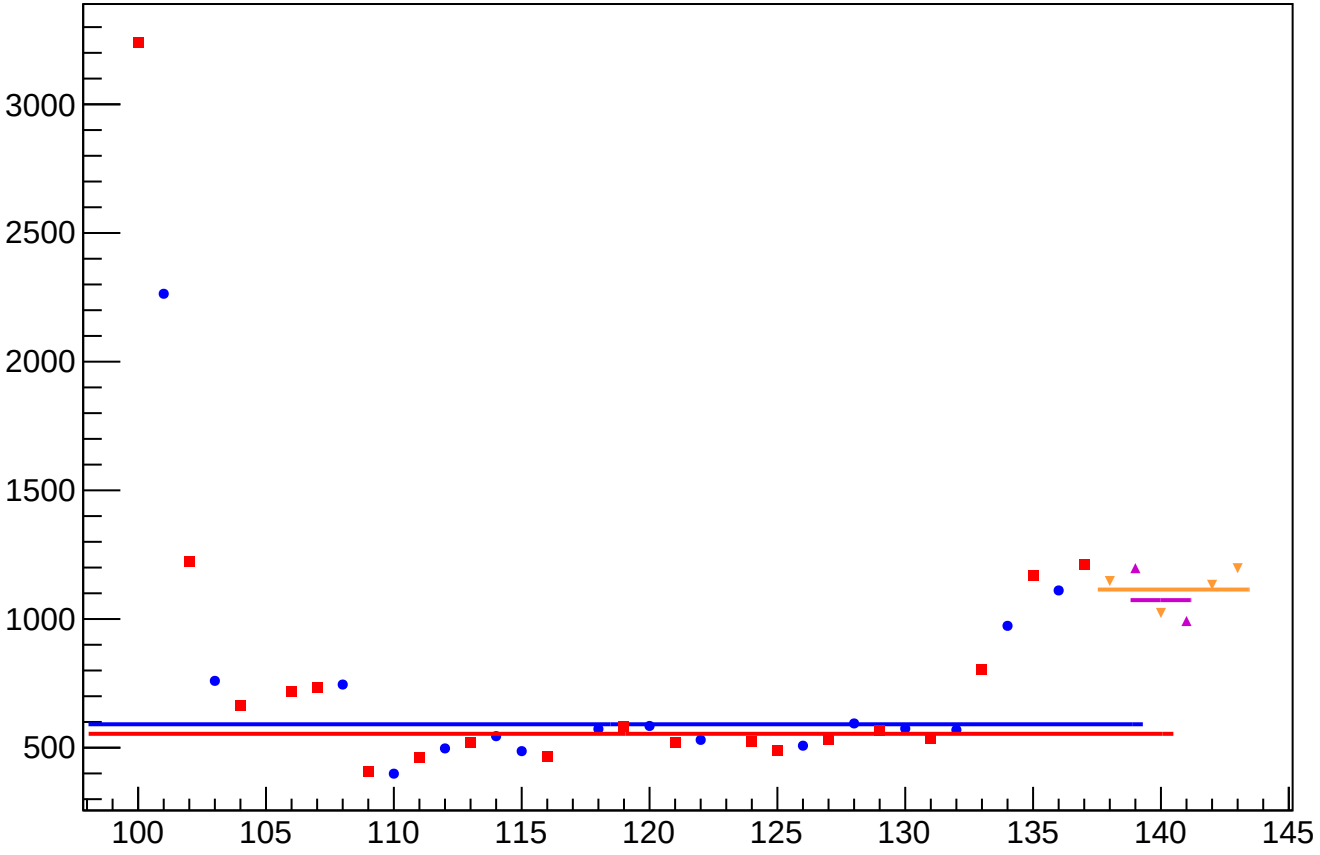
Left In: -46.234+/-824.664 χ^2/NDF:0.3/1

+ sign 97.891+/-220.175 χ^2/NDF: 28.1/19

All: -262.052+/-151.545 χ^2/NDF: 43.2/40

- sign -586.088+/-208.904 χ^2/NDF: 10.1/20

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 1114.530+/-0.468 χ^2/NDF:22390.6/3

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

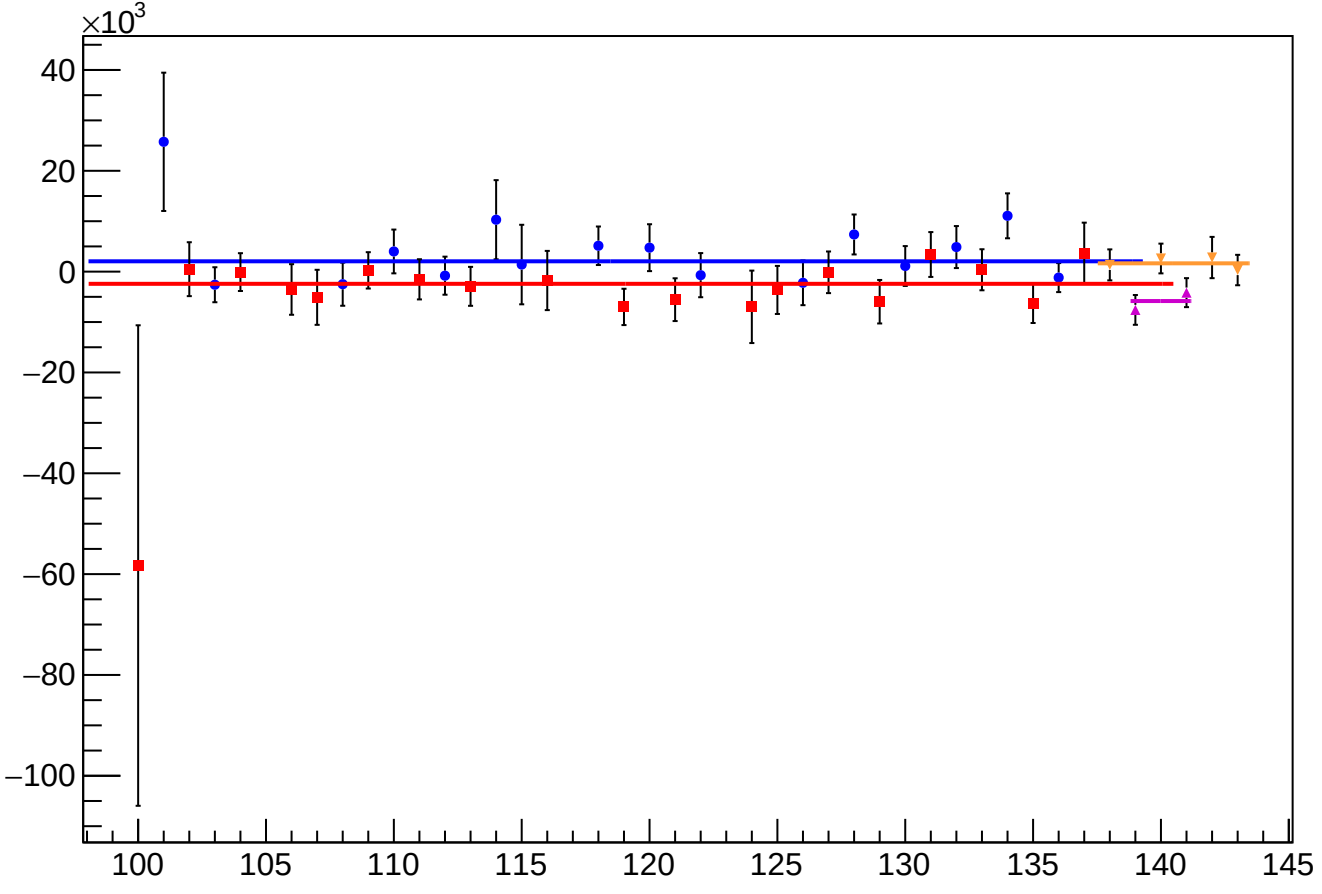
Left In: 1073.429+/-0.583 χ^2/NDF:29642.3/1

+ sign 649.016+/-0.156 χ^2/NDF: 2703502.6/19

All: 616.546+/-0.107 χ^2/NDF: 4675317.1/40

- sign 587.315+/-0.148 χ^2/NDF: 1889159.6/20

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1646.103+/-1600.365 χ^2/NDF:0.4/3

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

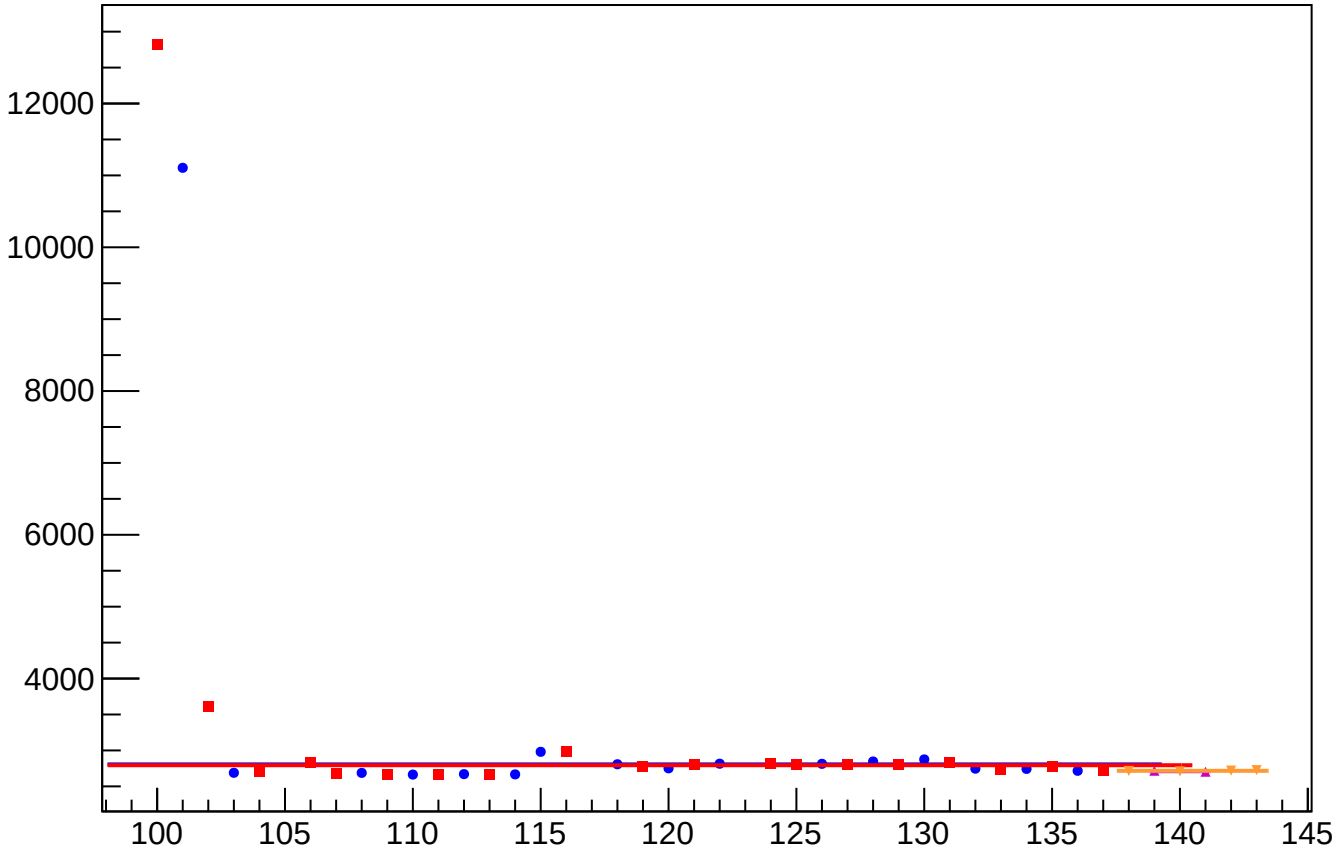
Left In: -5833.655+/-2059.981 χ^2/NDF:0.7/1

+ sign 1924.255+/-889.728 χ^2/NDF: 18.2/19

All: -489.711+/-641.860 χ^2/NDF: 47.2/40

- sign -3109.411+/-926.866 χ^2/NDF: 13.7/20

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

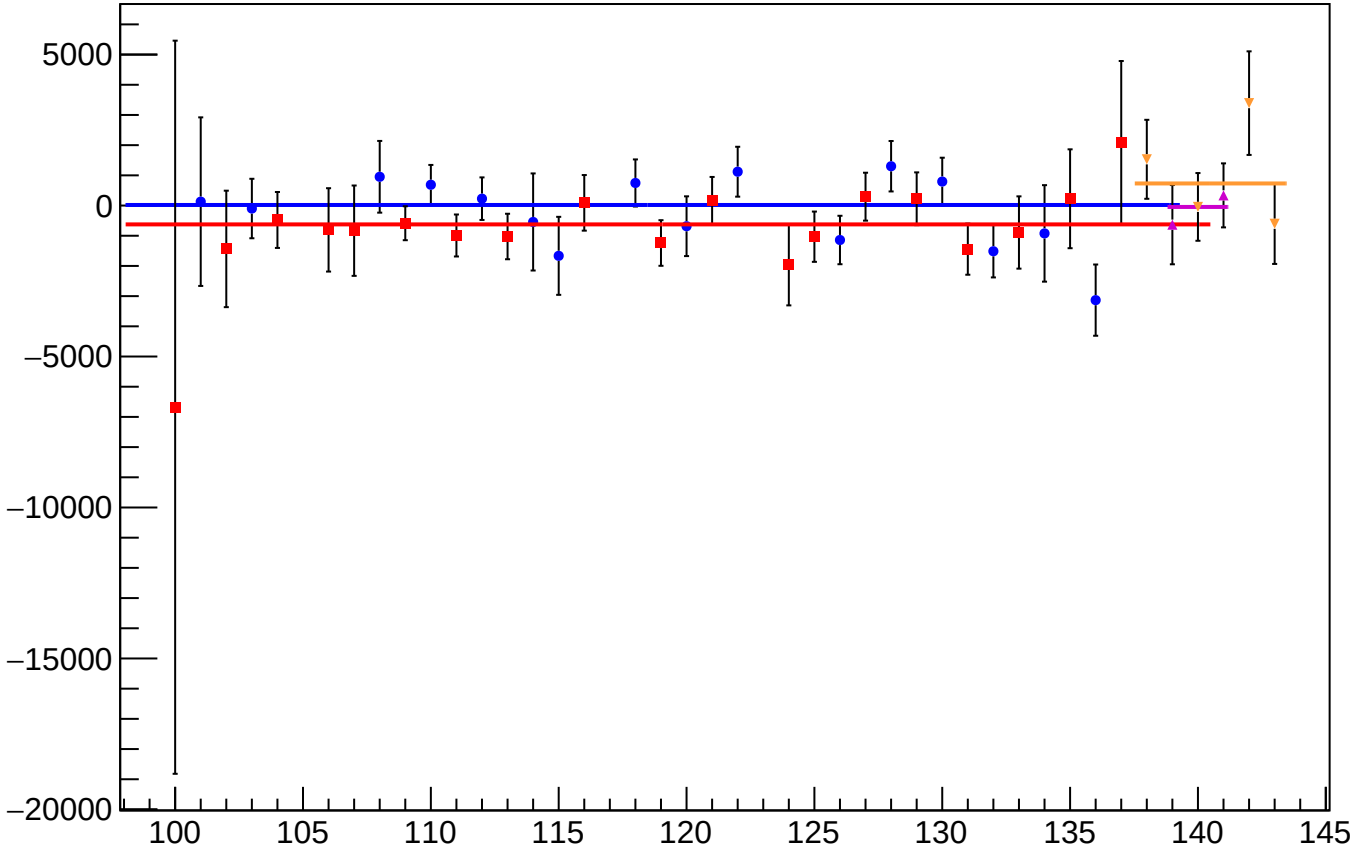
Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

+ sign 2777.942+/-0.629 χ^2/NDF: 750547.3/19

All: 2777.630+/-0.454 χ^2/NDF: 899922.3/40

- sign 2777.292+/-0.655 χ^2/NDF: 149374.5/20

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 731.622+/-661.605 χ^2/NDF:4.3/3

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

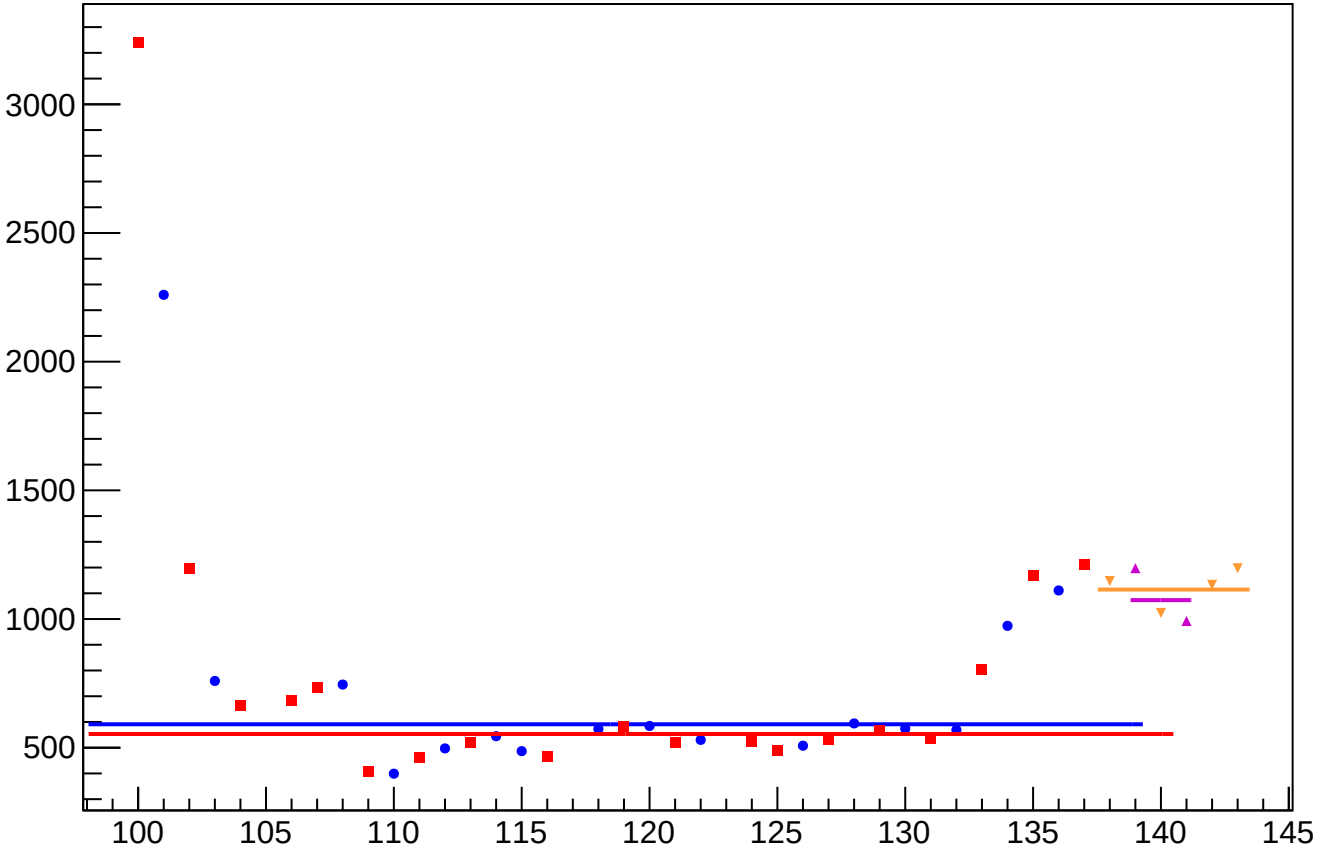
Left In: -46.191+/-824.659 χ^2/NDF:0.3/1

+ sign 97.861+/-220.165 χ^2/NDF: 28.1/19

All: -262.672+/-151.526 χ^2/NDF: 43.0/40

- sign -587.139+/-208.862 χ^2/NDF: 9.9/20

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1114.525+/-0.468 χ^2/NDF:22389.9/3

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

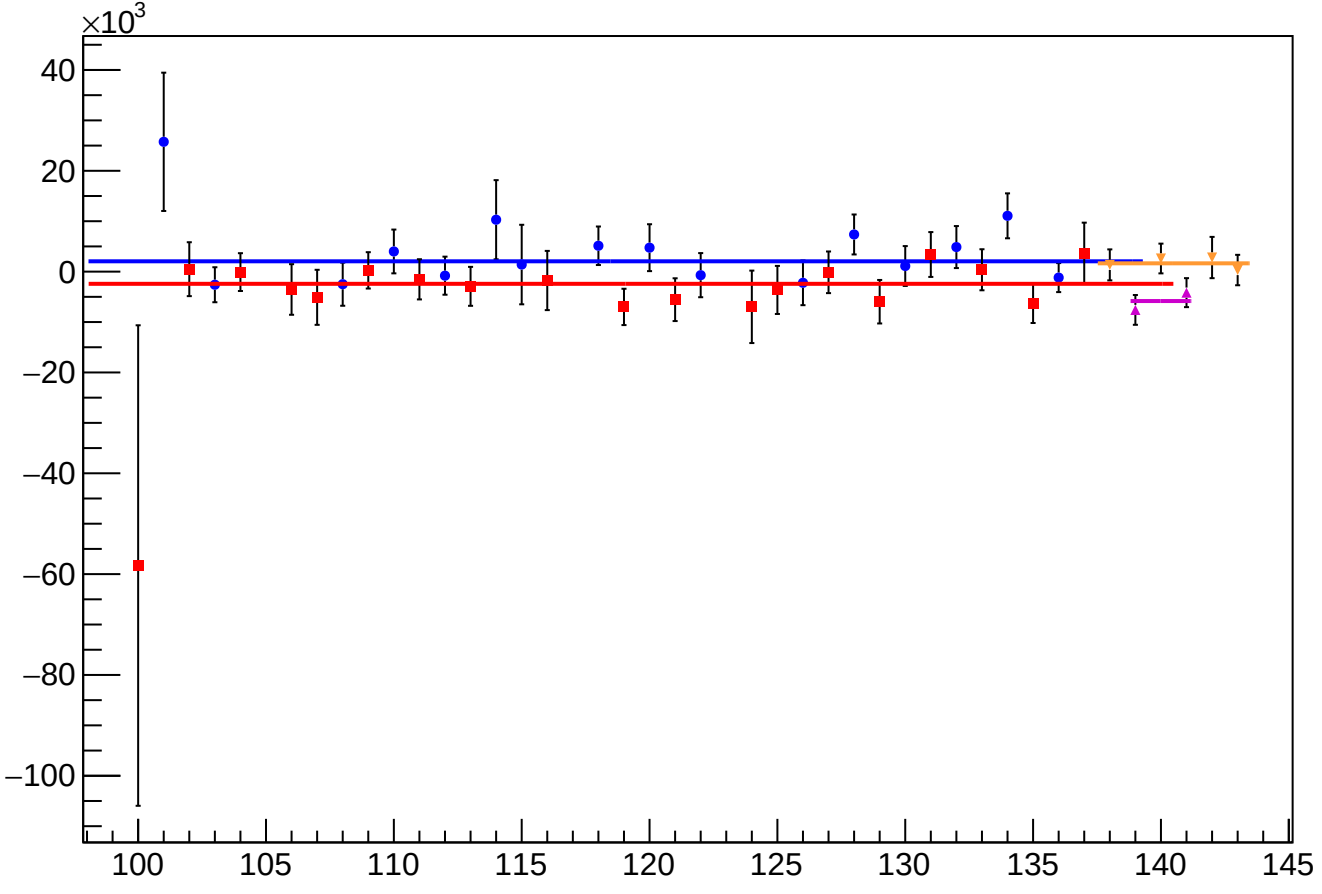
Left In: 1073.419+/-0.583 χ^2/NDF:29650.2/1

+ sign 649.009+/-0.156 χ^2/NDF: 2702475.9/19

All: 616.162+/-0.107 χ^2/NDF: 4663102.9/40

- sign 586.601+/-0.148 χ^2/NDF: 1876045.2/20

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1646.103+/-1600.365 χ^2/NDF:0.4/3

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

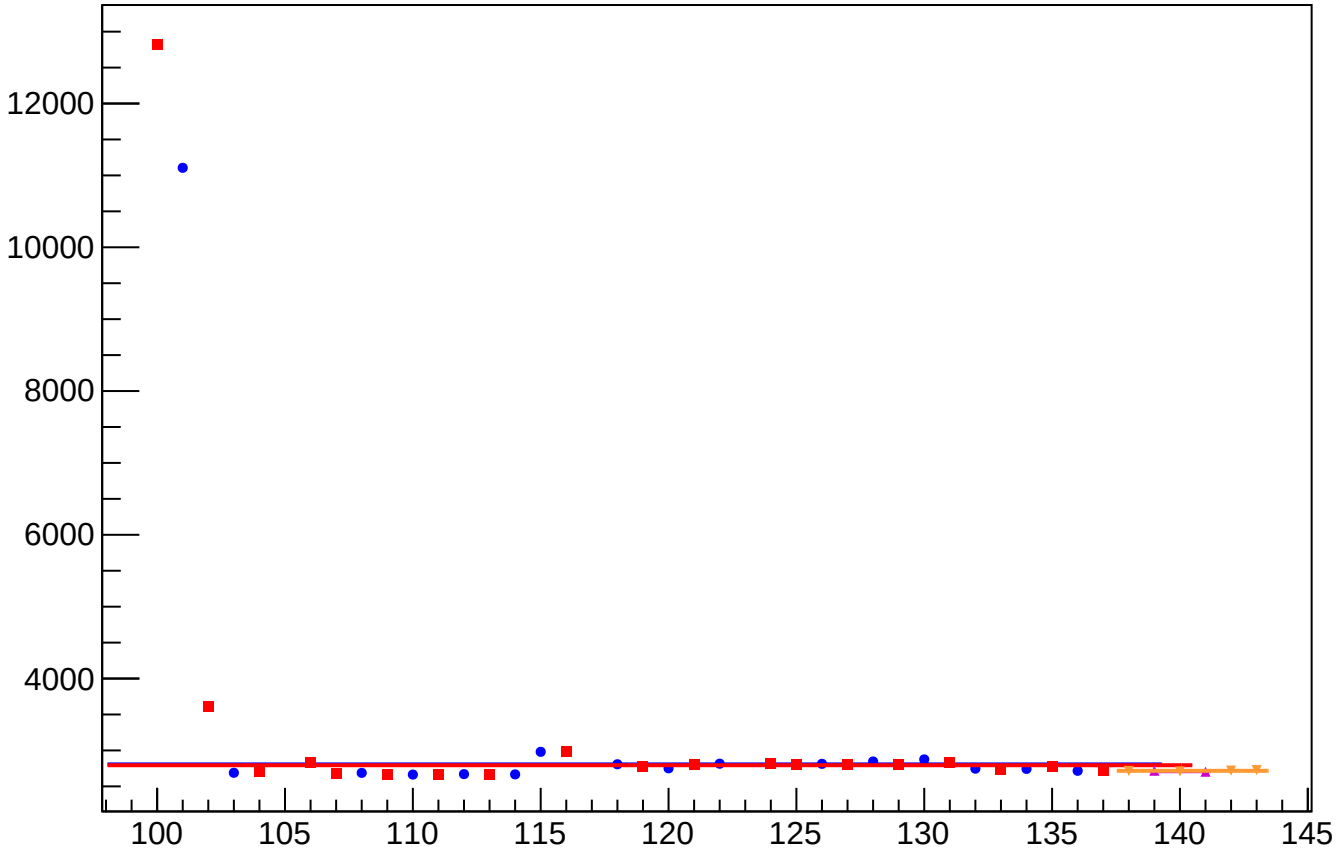
Left In: -5833.655+/-2059.981 χ^2/NDF:0.7/1

+ sign 1924.255+/-889.728 χ^2/NDF: 18.2/19

All: -489.711+/-641.860 χ^2/NDF: 47.2/40

- sign -3109.411+/-926.866 χ^2/NDF: 13.7/20

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

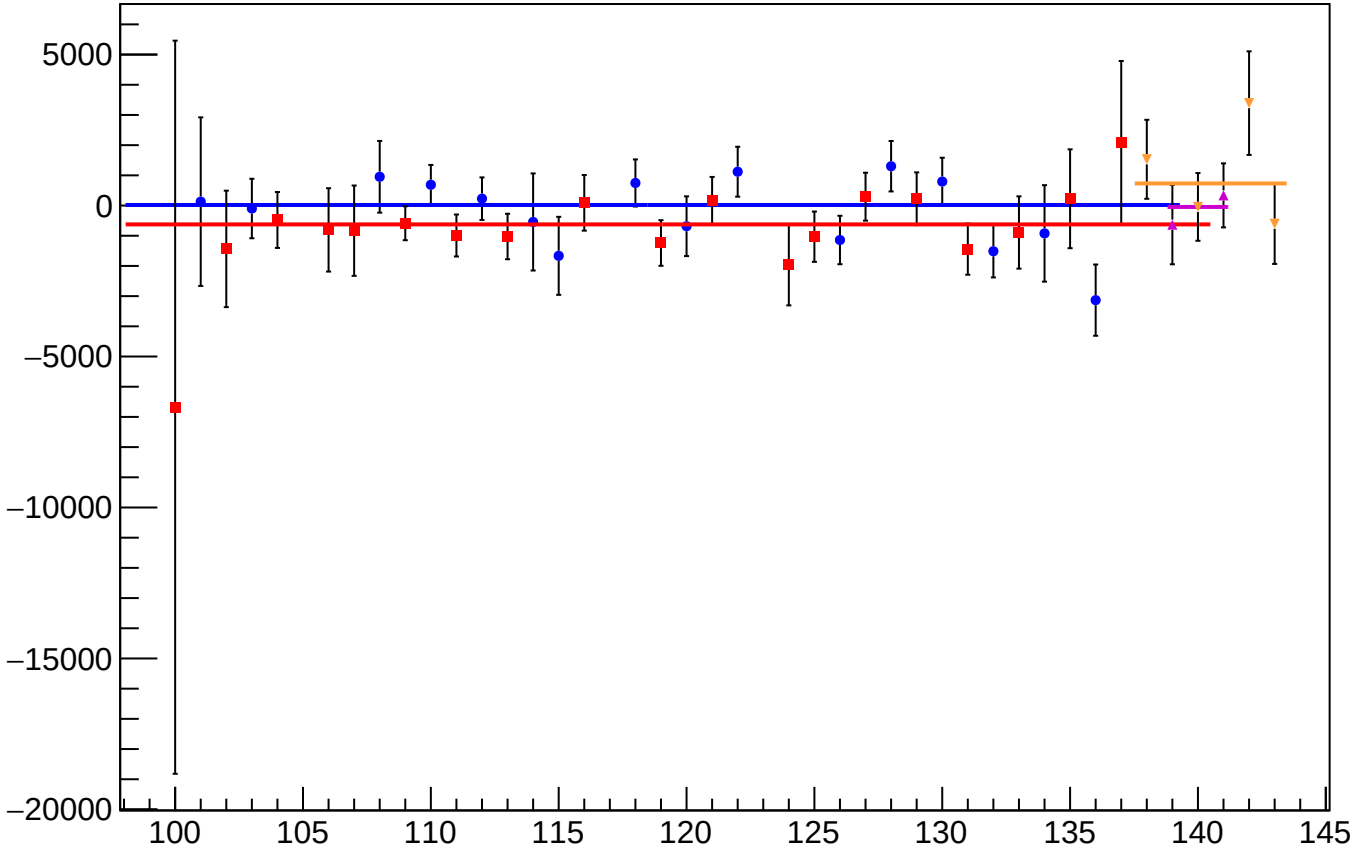
Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

+ sign 2777.942+/-0.629 χ^2/NDF: 750547.3/19

All: 2777.630+/-0.454 χ^2/NDF: 899922.3/40

- sign 2777.292+/-0.655 χ^2/NDF: 149374.5/20

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 731.622+/-661.605 χ^2/NDF:4.3/3

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

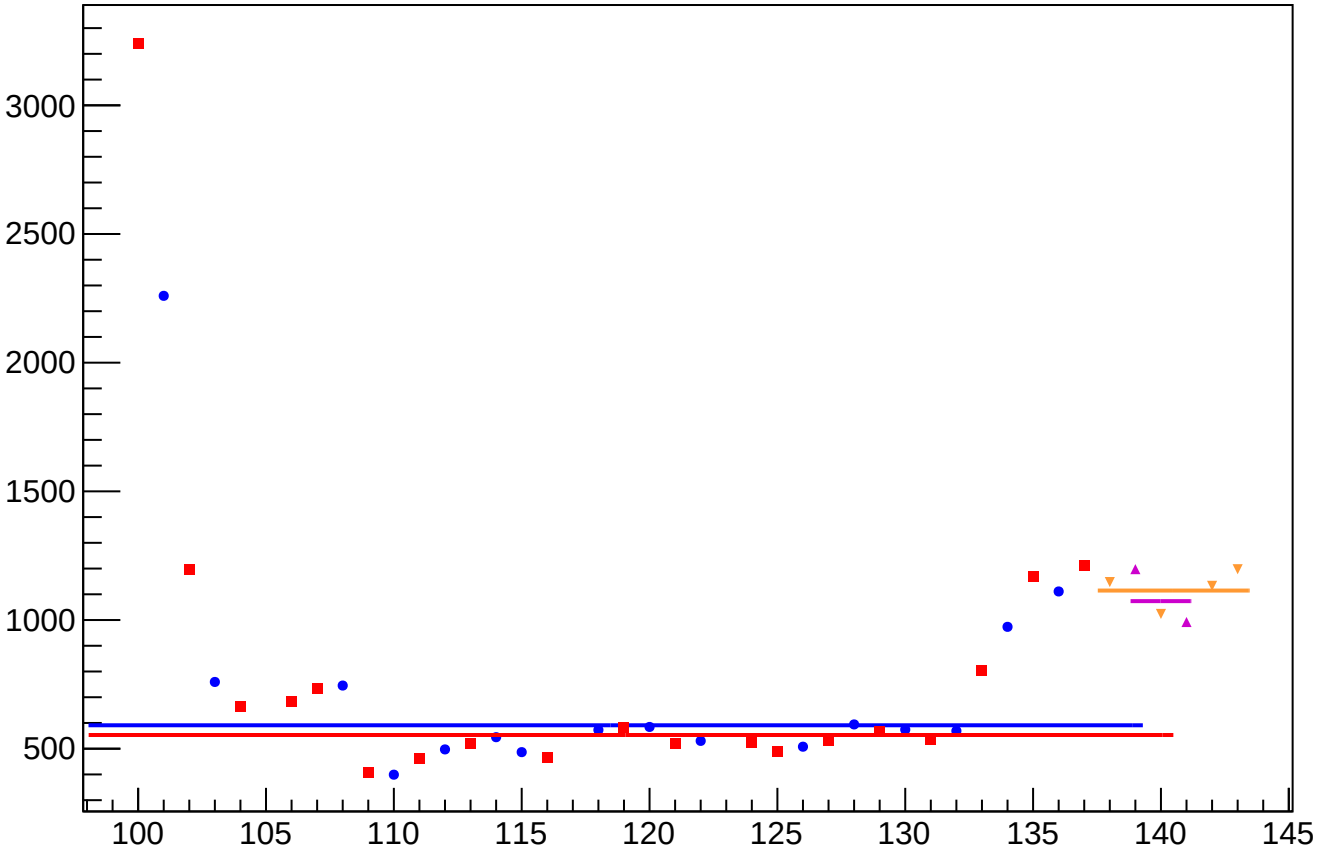
Left In: -46.191+/-824.659 χ^2/NDF:0.3/1

+ sign 97.861+/-220.165 χ^2/NDF: 28.1/19

All: -262.672+/-151.526 χ^2/NDF: 43.0/40

- sign -587.139+/-208.862 χ^2/NDF: 9.9/20

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1114.525+/-0.468 χ^2/NDF:22389.9/3

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

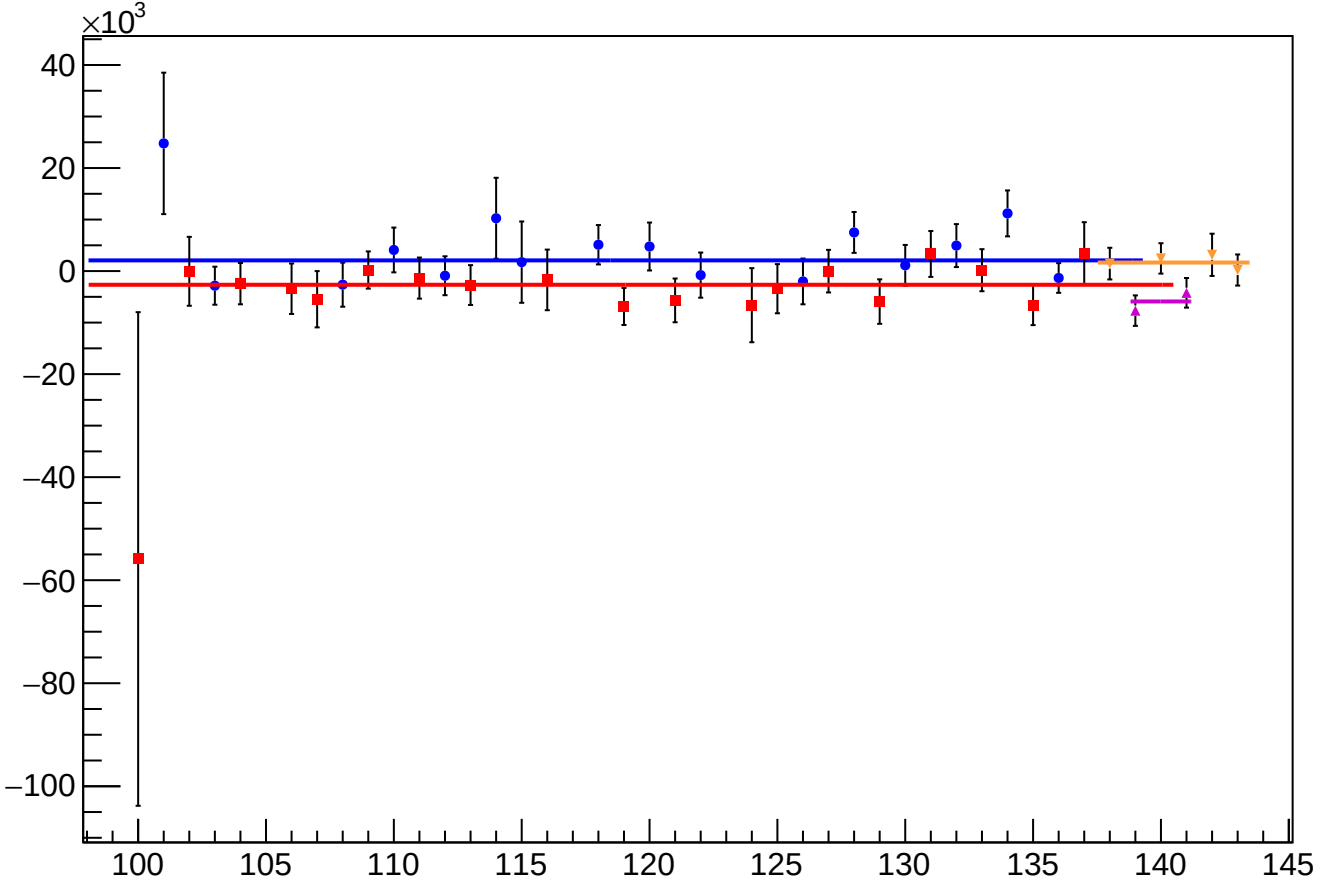
Left In: 1073.419+/-0.583 χ^2/NDF:29650.2/1

+ sign 649.009+/-0.156 χ^2/NDF: 2702475.9/19

All: 616.162+/-0.107 χ^2/NDF: 4663102.9/40

- sign 586.601+/-0.148 χ^2/NDF: 1876045.2/20

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1656.452+/-1602.055 χ^2/NDF:0.4/3

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

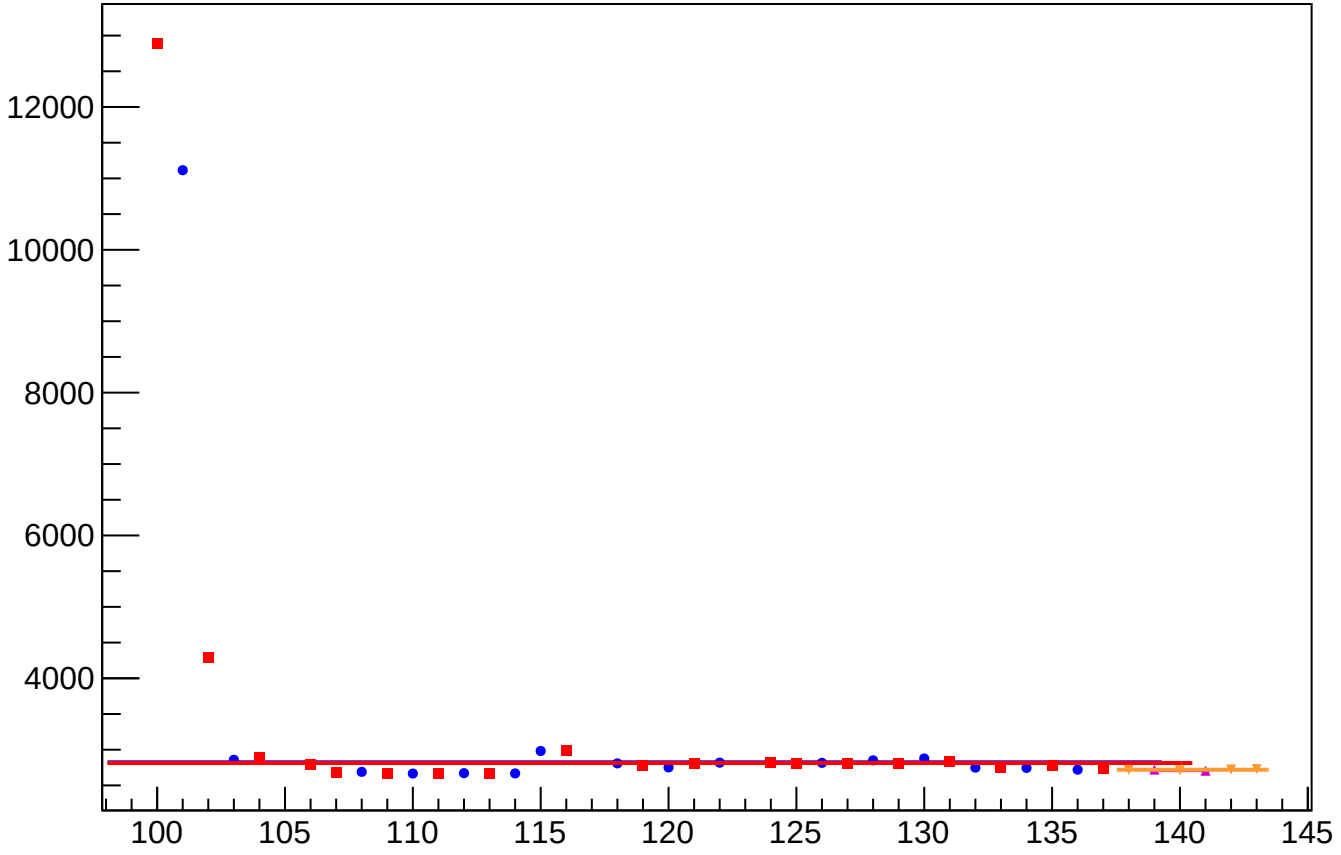
Left In: -5899.535+/-2062.153 χ^2/NDF:0.7/1

+ sign 1944.530+/-893.908 χ^2/NDF: 18.4/19

All: -570.075+/-646.323 χ^2/NDF: 47.5/40

- sign -3324.690+/-935.596 χ^2/NDF: 12.6/20

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2719.320+/-1.133 χ^2/NDF:35.7/3

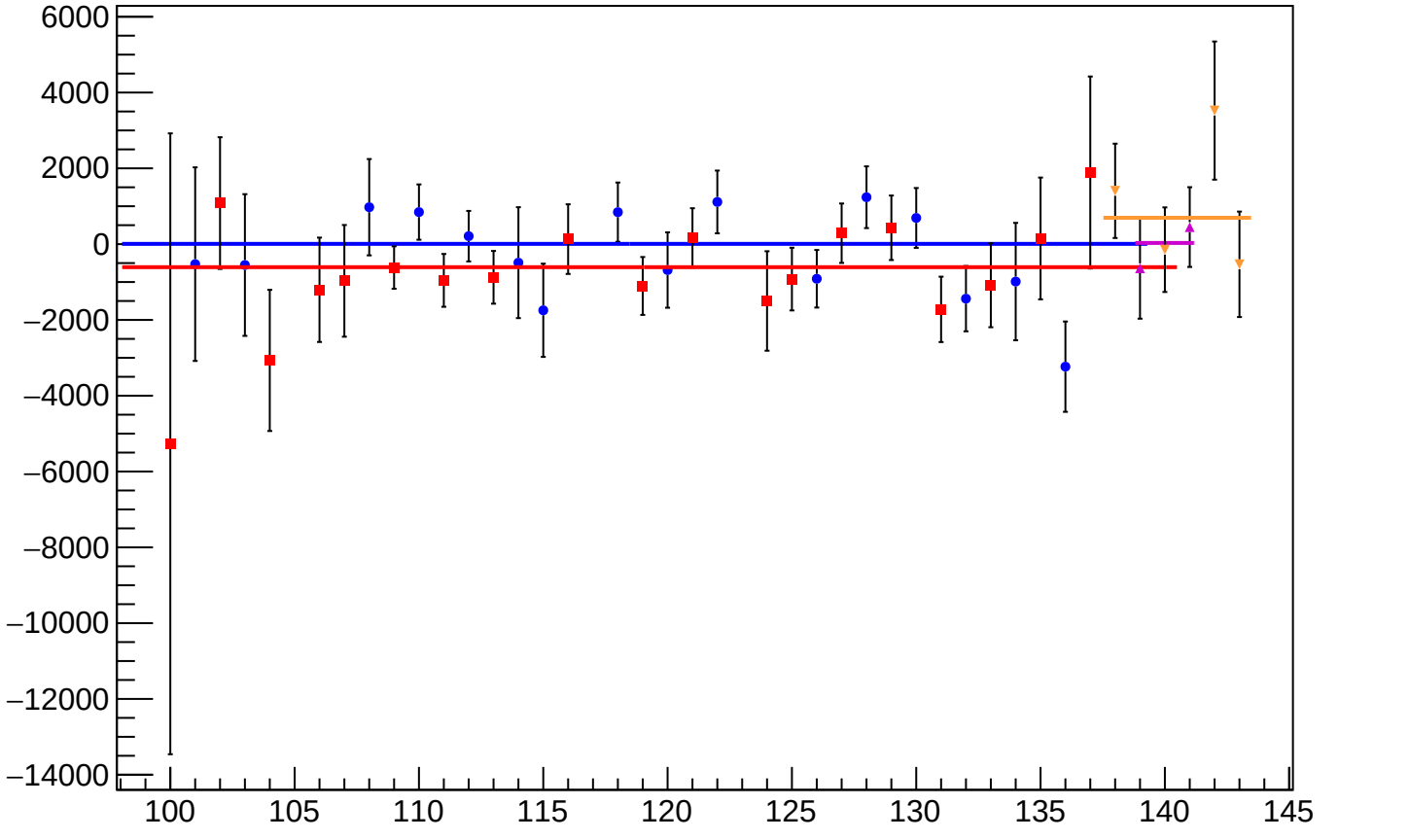
Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2713.653+/-1.458 χ^2/NDF:28.0/1

+ sign 2791.029+/-0.632 χ^2/NDF: 749770.4/19

All: 2792.066+/-0.457 χ^2/NDF: 954063.5/40

- sign 2793.203+/-0.662 χ^2/NDF: 204287.5/20



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: 695.443+/-664.247 χ^2/NDF:4.1/3

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

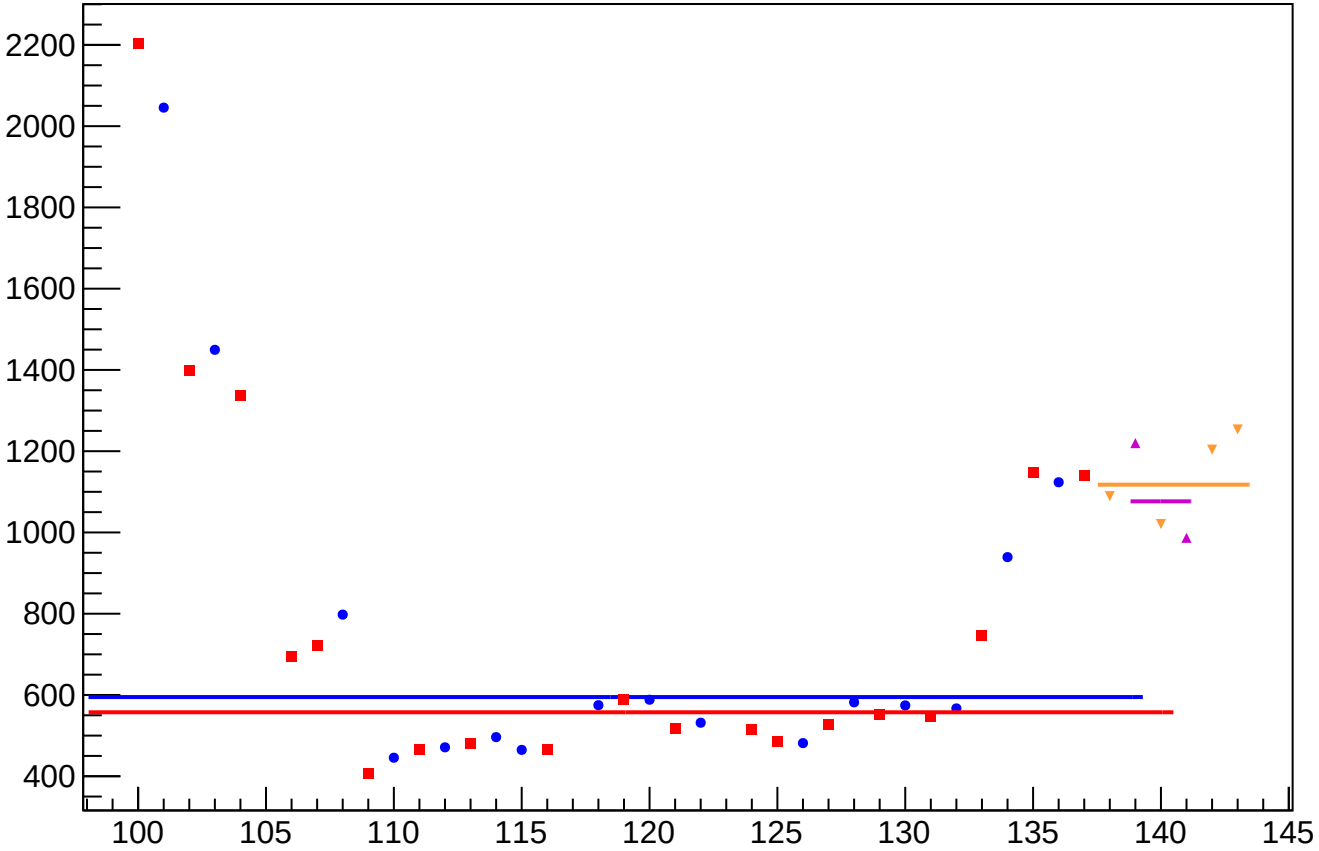
Left In: 31.400+/-825.320 χ^2/NDF:0.4/1

+ sign 85.051+/-223.598 χ^2/NDF: 27.8/19

All: -261.101+/-153.055 χ^2/NDF: 45.5/40

- sign -566.292+/-209.952 χ^2/NDF: 13.1/20

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 1117.641+/-0.470 χ^2/NDF:39631.9/3

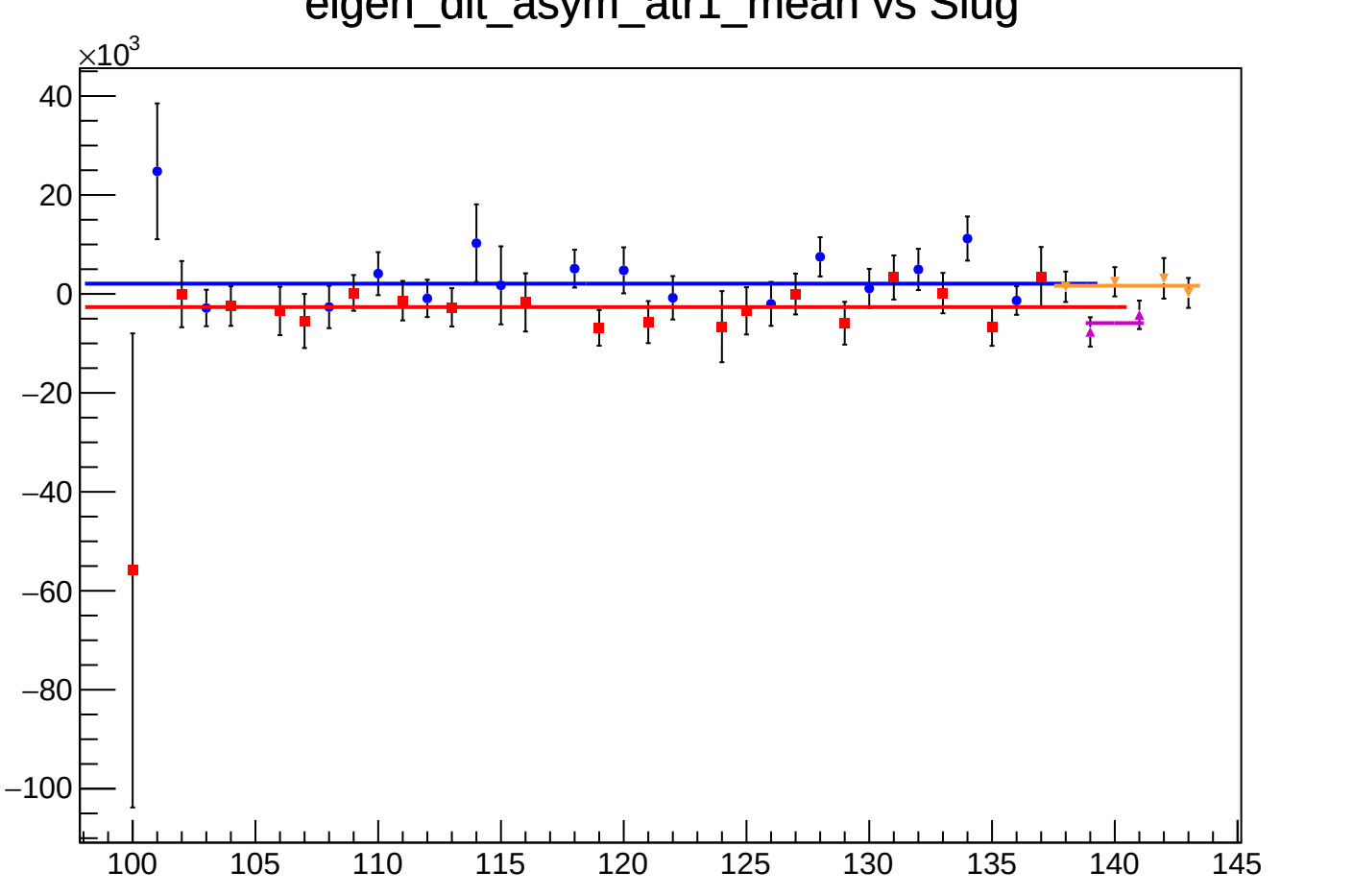
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 1076.589+/-0.584 χ^2/NDF:37758.5/1

+ sign 654.095+/-0.158 χ^2/NDF: 2990749.5/19

All: 620.561+/-0.108 χ^2/NDF: 5484725.0/40

- sign 590.996+/-0.148 χ^2/NDF: 2409329.7/20



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1656.453+/-1602.055 χ^2/NDF:0.4/3

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

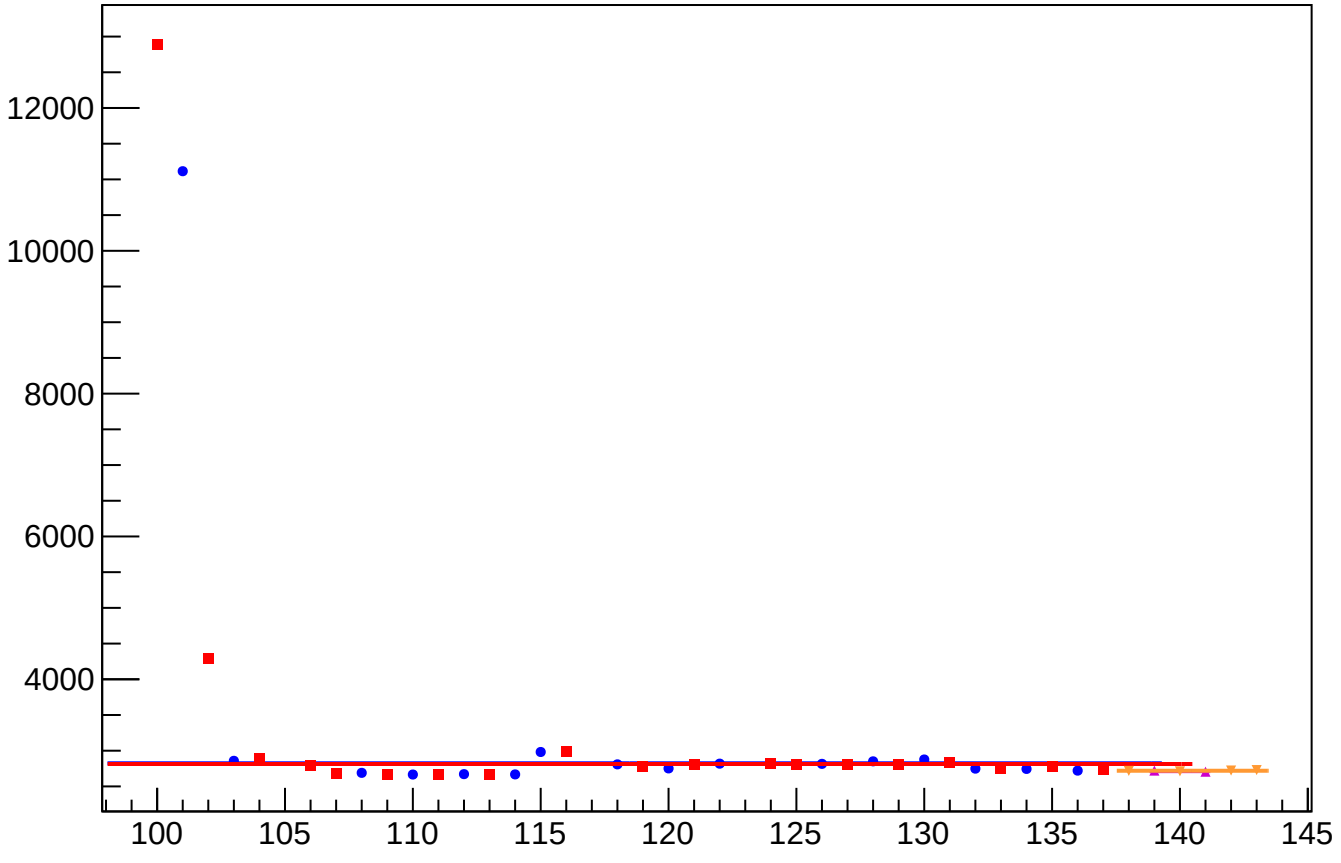
Left In: -5899.533+/-2062.153 χ^2/NDF:0.7/1

+ sign 1944.530+/-893.908 χ^2/NDF: 18.4/19

All: -570.075+/-646.323 χ^2/NDF: 47.5/40

- sign -3324.688+/-935.596 χ^2/NDF: 12.6/20

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2719.320+/-1.133 χ^2/NDF:35.7/3

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

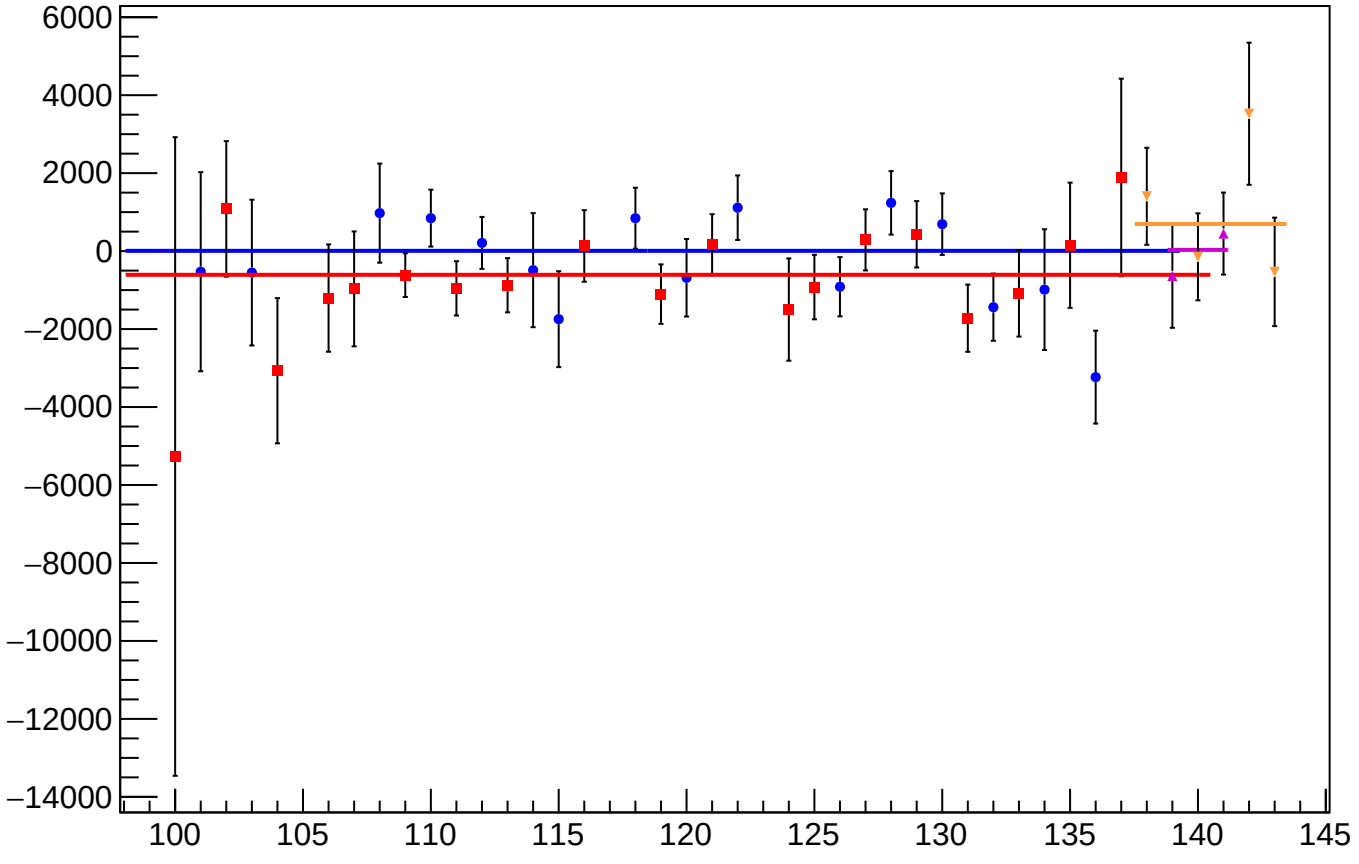
Left In: 2713.653+/-1.458 χ^2/NDF:28.0/1

+ sign 2791.029+/-0.632 χ^2/NDF: 749770.4/19

All: 2792.066+/-0.457 χ^2/NDF: 954063.3/40

- sign 2793.202+/-0.662 χ^2/NDF: 204287.3/20

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: 695.444+/-664.248 χ^2/NDF:4.1/3

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

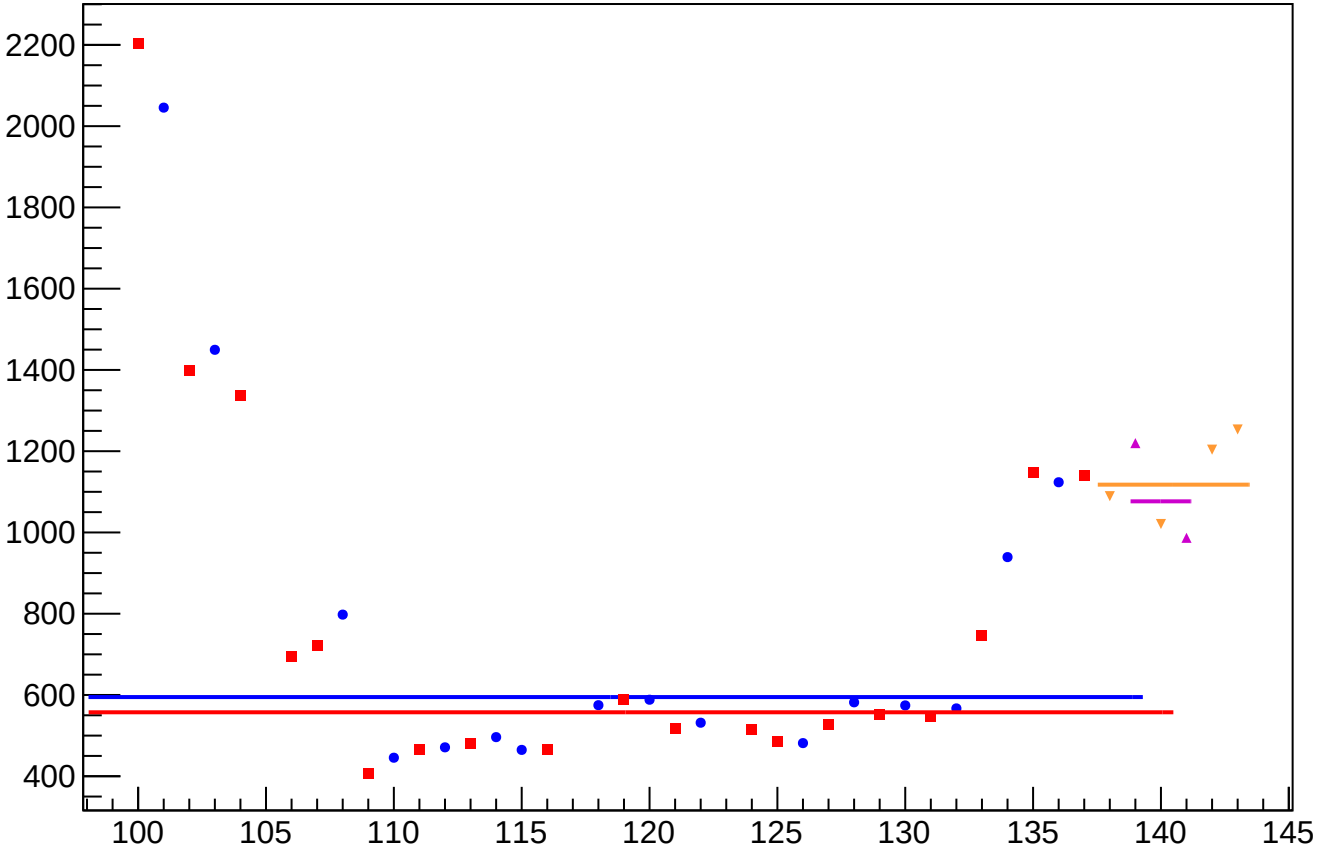
Left In: 31.401+/-825.320 χ^2/NDF:0.4/1

+ sign 85.052+/-223.598 χ^2/NDF: 27.8/19

All: -261.101+/-153.055 χ^2/NDF: 45.5/40

- sign -566.292+/-209.952 χ^2/NDF: 13.1/20

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 1117.642+/-0.470 χ^2/NDF:39632.6/3

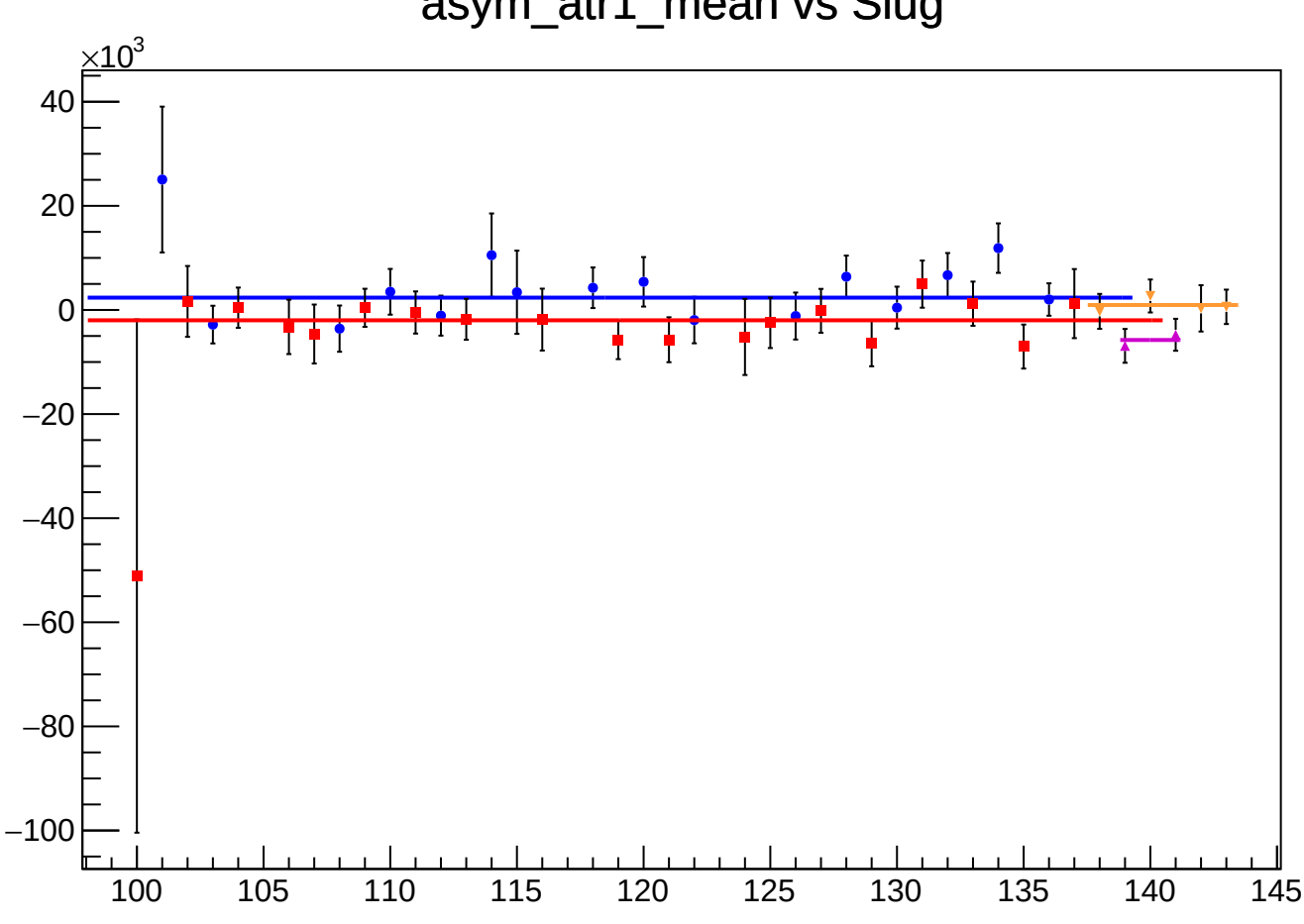
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 1076.589+/-0.584 χ^2/NDF:37758.2/1

+ sign 654.096+/-0.158 χ^2/NDF: 2990743.5/19

All: 620.562+/-0.108 χ^2/NDF: 5484716.1/40

- sign 590.996+/-0.148 χ^2/NDF: 2409326.2/20



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 951.341+/-1738.336 χ^2/NDF:0.5/3

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

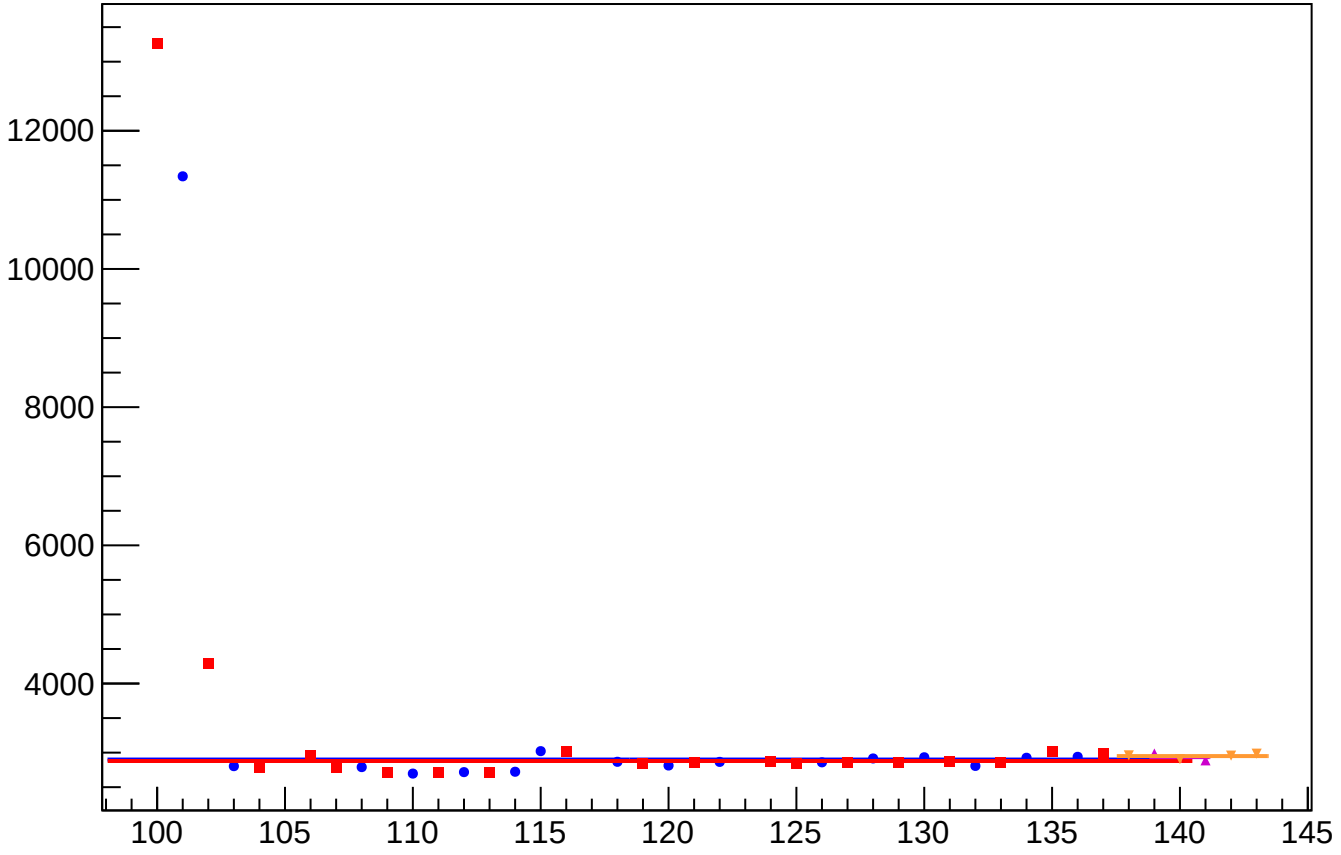
Left In: -5770.017+/-2231.318 χ^2/NDF:0.2/1

+ sign 1959.086+/-933.263 χ^2/NDF: 17.8/19

All: -283.715+/-672.093 χ^2/NDF: 42.6/40

- sign -2700.026+/-968.691 χ^2/NDF: 12.9/20

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2949.995+/-1.229 χ^2/NDF:647.1/3

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

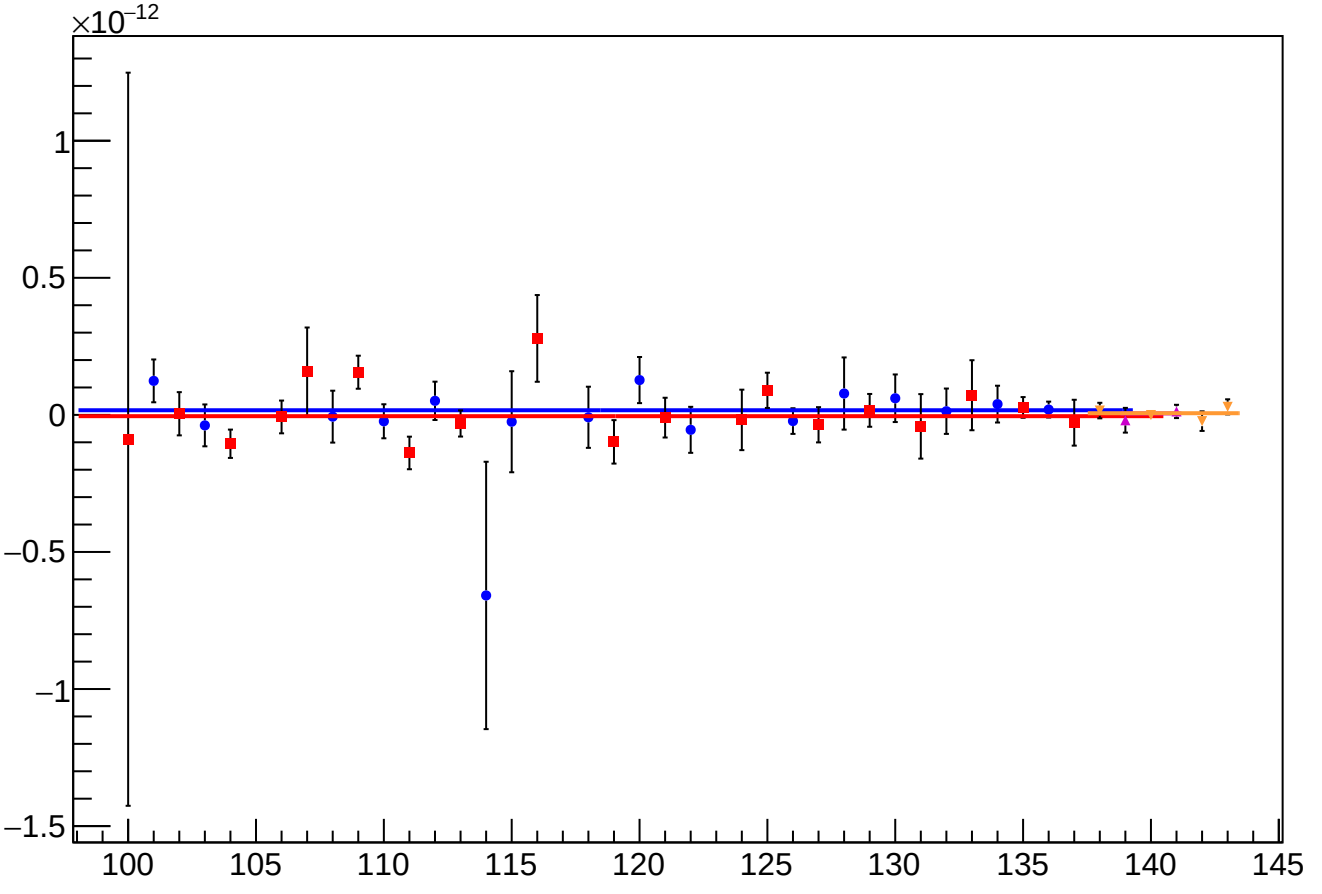
Left In: 2935.087+/-1.578 χ^2/NDF:986.2/1

+ sign 2914.287+/-0.660 χ^2/NDF: 743650.9/19

All: 2902.372+/-0.475 χ^2/NDF: 939623.8/40

- sign 2889.536+/-0.685 χ^2/NDF: 195295.8/20

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:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

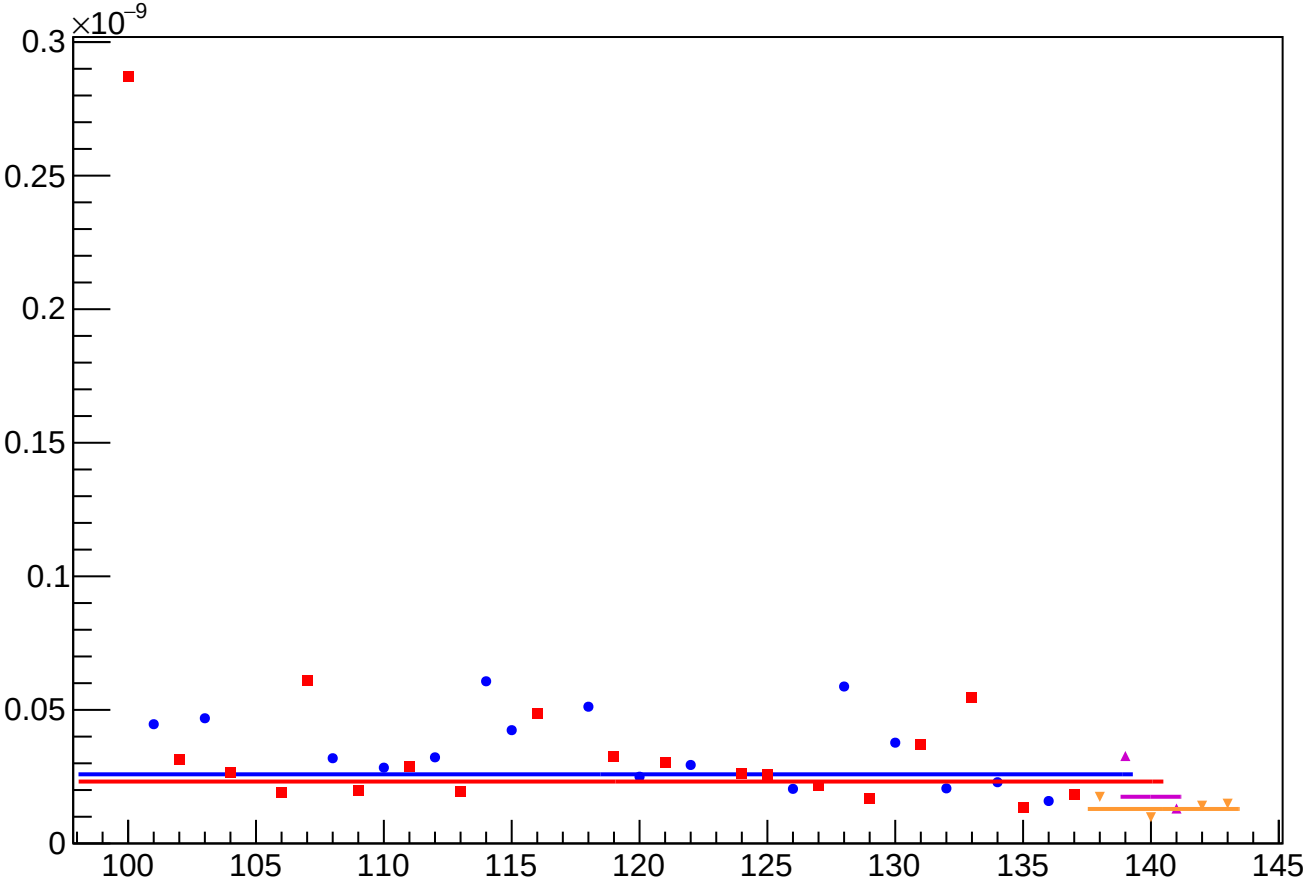
Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 10.8/19

All: 0.000+/-0.000 χ^2/NDF: 37.5/40

- sign -0.000+/-0.000 χ^2/NDF: 26.3/20

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:120477.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

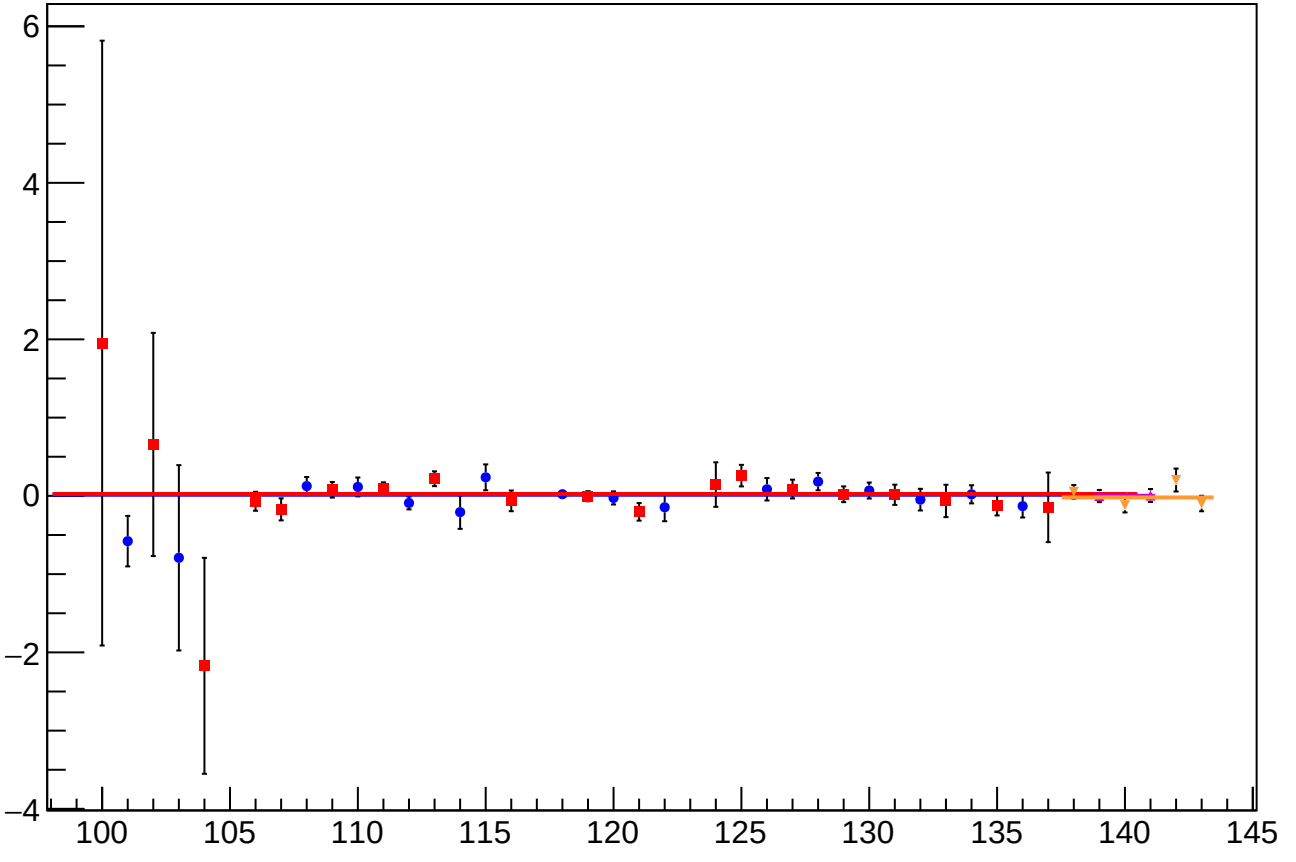
Left In: 0.000+/-0.000 χ^2/NDF:294447.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 1744534.0/19

All: 0.000+/-0.000 χ^2/NDF: 2920265.5/40

- sign 0.000+/-0.000 χ^2/NDF: 1075690.2/20

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

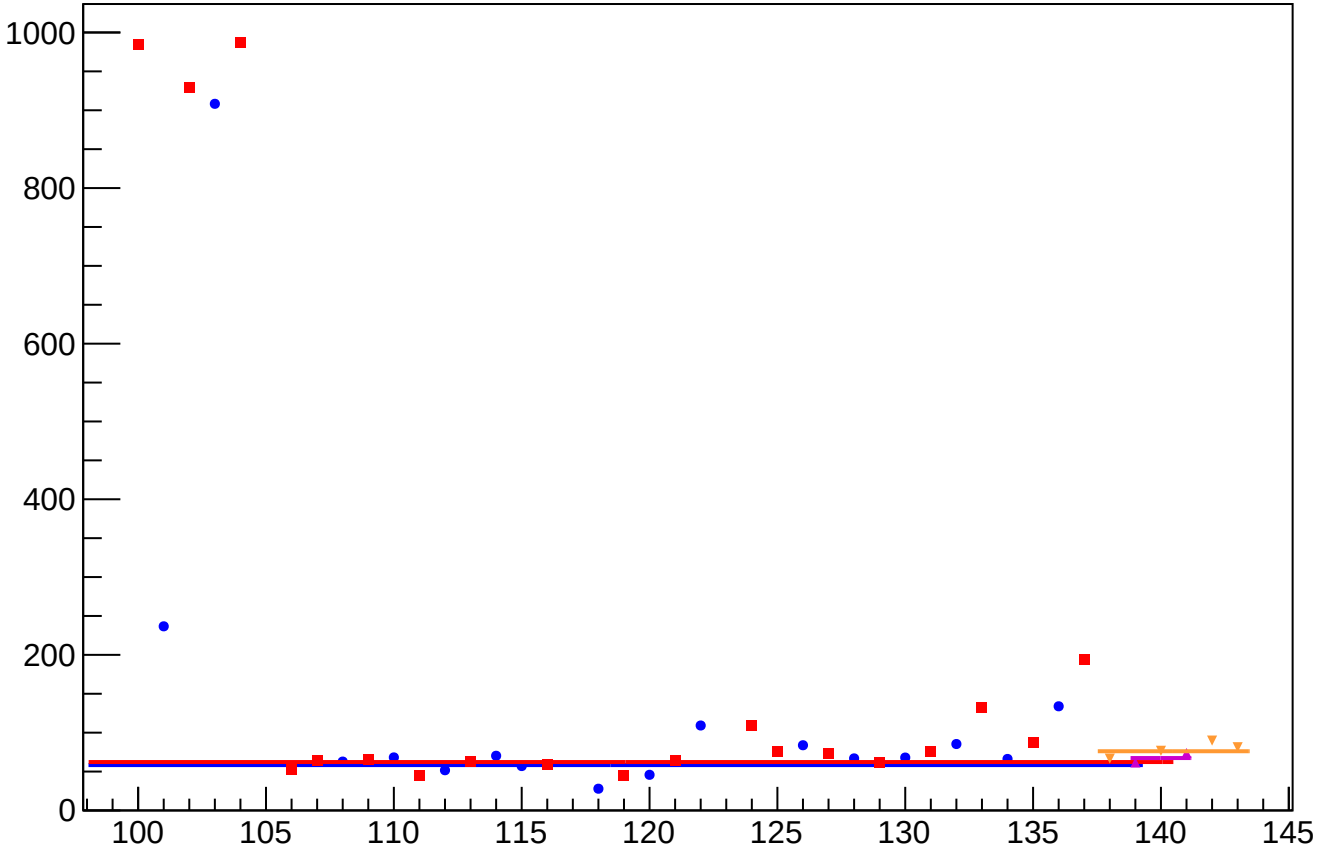
Left In: 0.001+/-0.057 χ^2/NDF:0.0/1

+ sign 0.007+/-0.024 χ^2/NDF: 20.2/19

All: 0.013+/-0.017 χ^2/NDF: 41.2/40

- sign 0.020+/-0.025 χ^2/NDF: 20.9/20

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 76.116+/-0.036 χ^2/NDF:46160.7/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

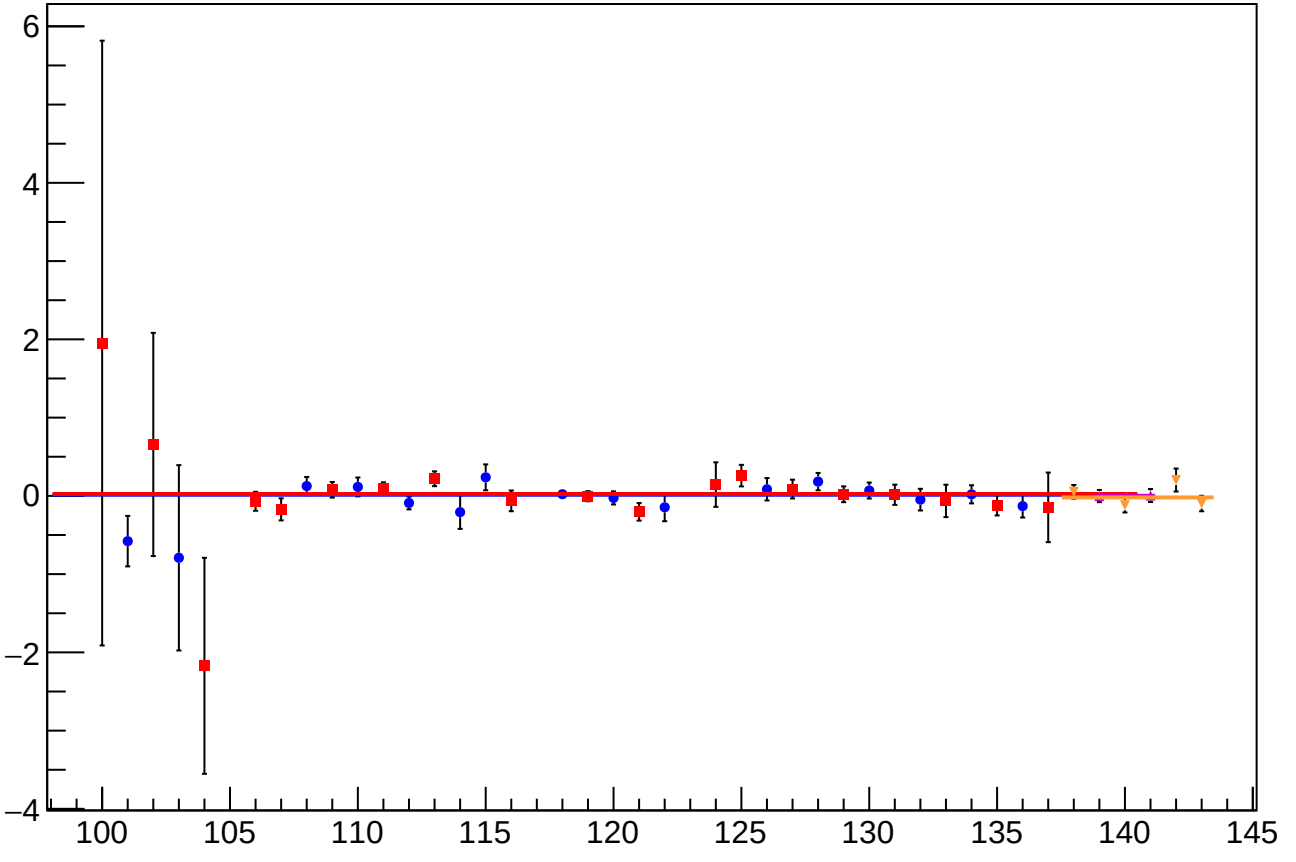
Left In: 67.369+/-0.040 χ^2/NDF:22598.2/1

+ sign 62.497+/-0.017 χ^2/NDF: 3498910.2/19

All: 62.855+/-0.012 χ^2/NDF: 6162521.1/40

- sign 63.237+/-0.018 χ^2/NDF: 2662717.4/20

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

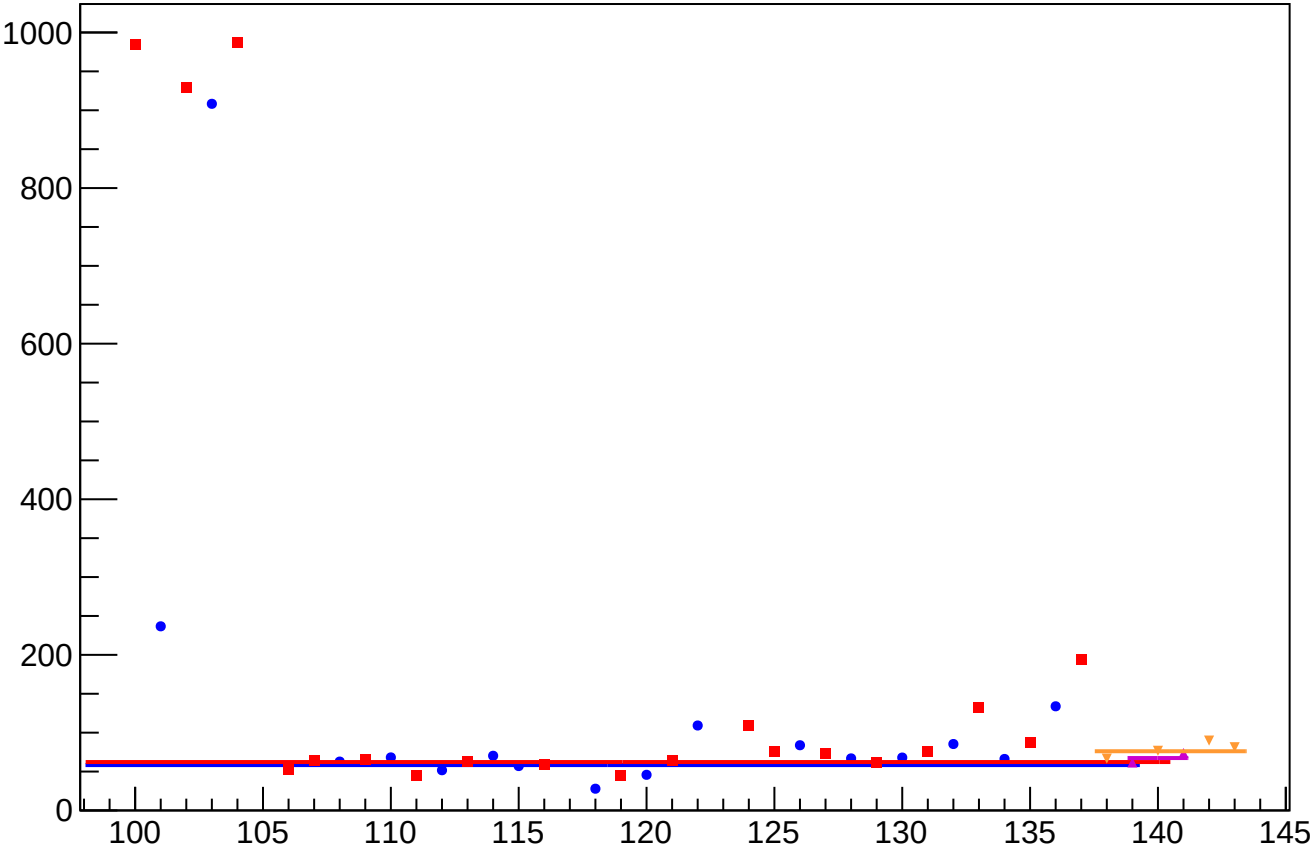
Left In: 0.001+/-0.057 χ^2/NDF:0.0/1

+ sign 0.007+/-0.024 χ^2/NDF: 20.2/19

All: 0.013+/-0.017 χ^2/NDF: 41.2/40

- sign 0.020+/-0.025 χ^2/NDF: 20.9/20

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 76.116+/-0.036 χ^2/NDF:46160.7/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

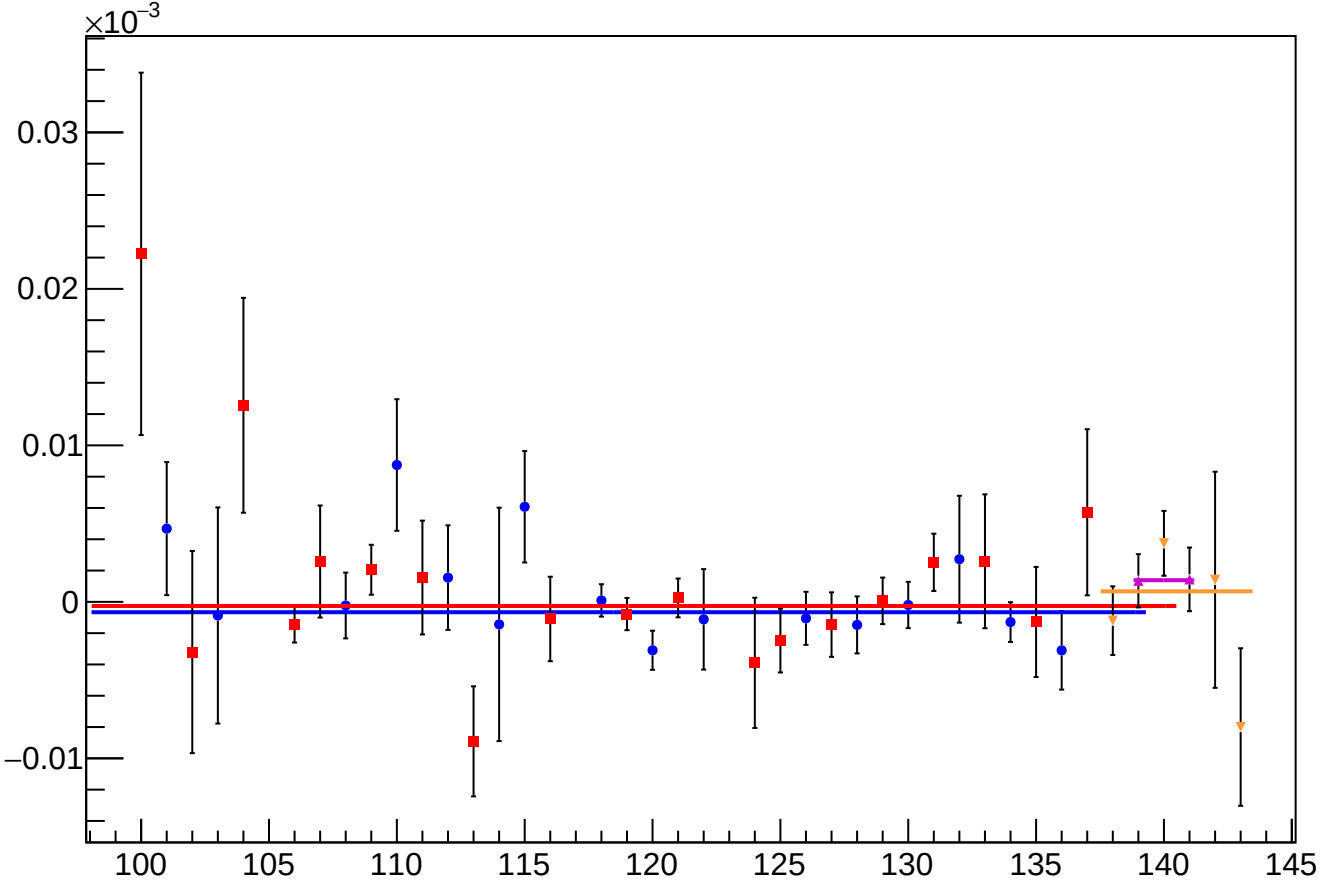
Left In: 67.369+/-0.040 χ^2/NDF:22598.2/1

+ sign 62.497+/-0.017 χ^2/NDF: 3498910.2/19

All: 62.855+/-0.012 χ^2/NDF: 6162521.1/40

- sign 63.237+/-0.018 χ^2/NDF: 2662717.4/20

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

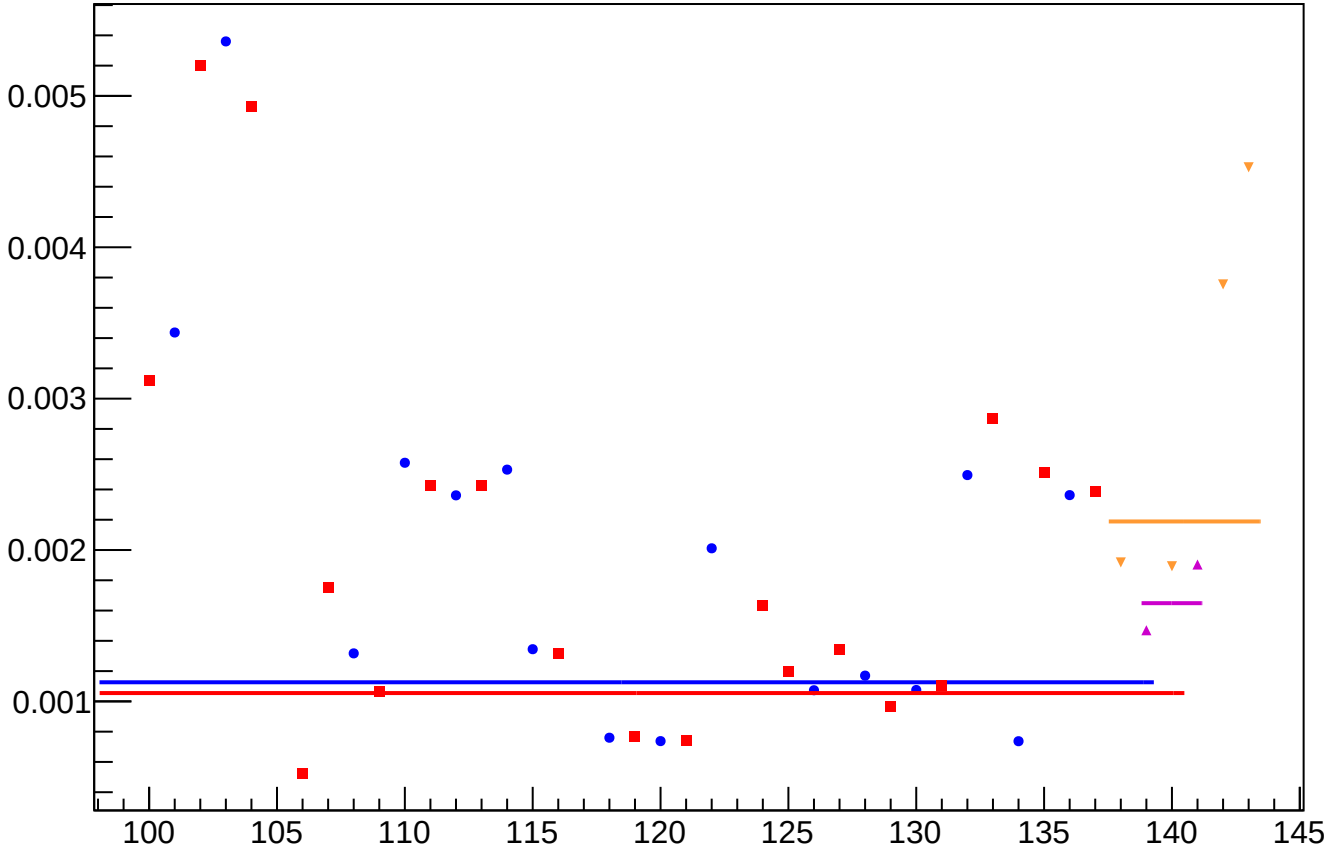
Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/19

All: -0.000+/-0.000 χ^2/NDF: 50.4/40

- sign -0.000+/-0.000 χ^2/NDF: 26.0/20

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:606170.3/3

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

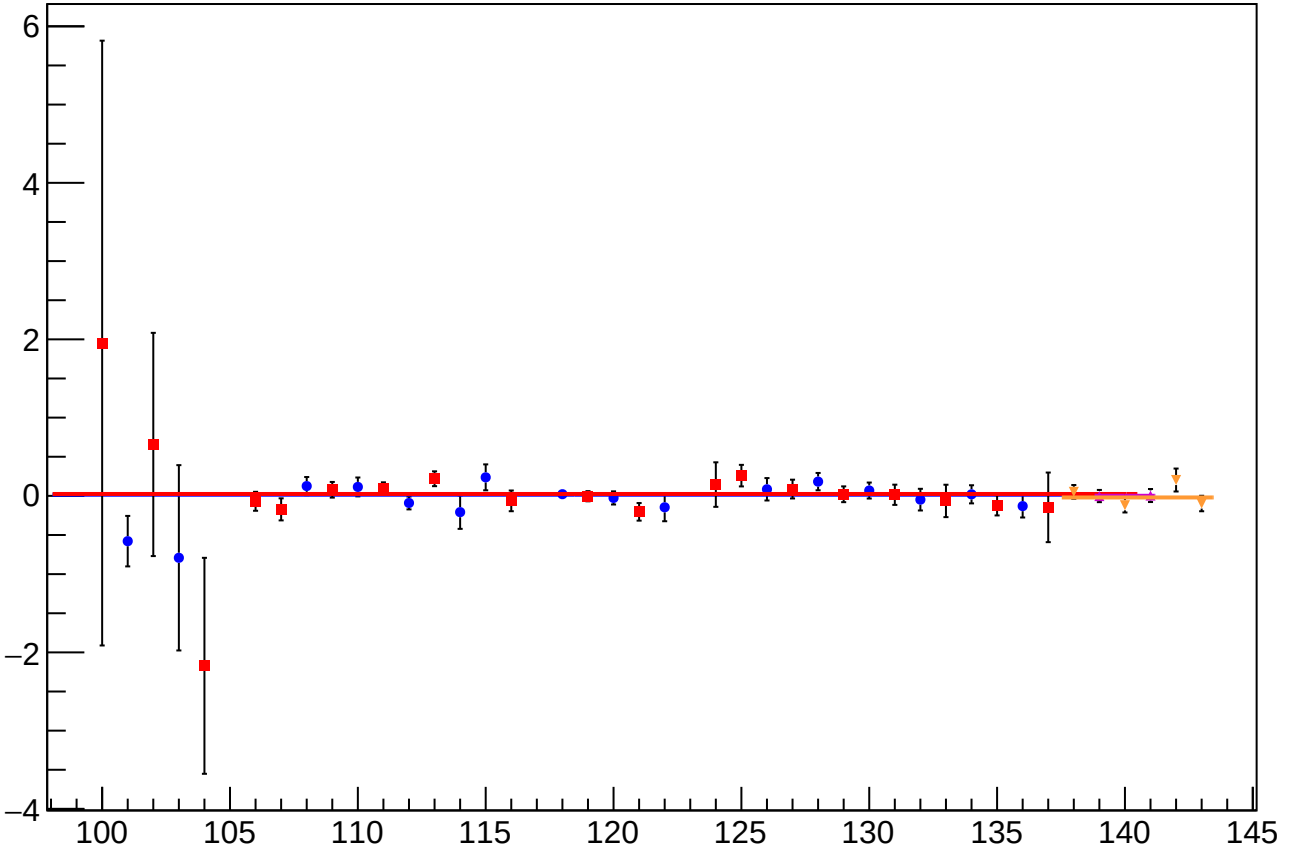
Left In: 0.002+/-0.000 χ^2/NDF:53649.6/1

+ sign 0.001+/-0.000 χ^2/NDF: 5069098.5/19

All: 0.001+/-0.000 χ^2/NDF: 9407902.9/40

- sign 0.001+/-0.000 χ^2/NDF: 4269611.0/20

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

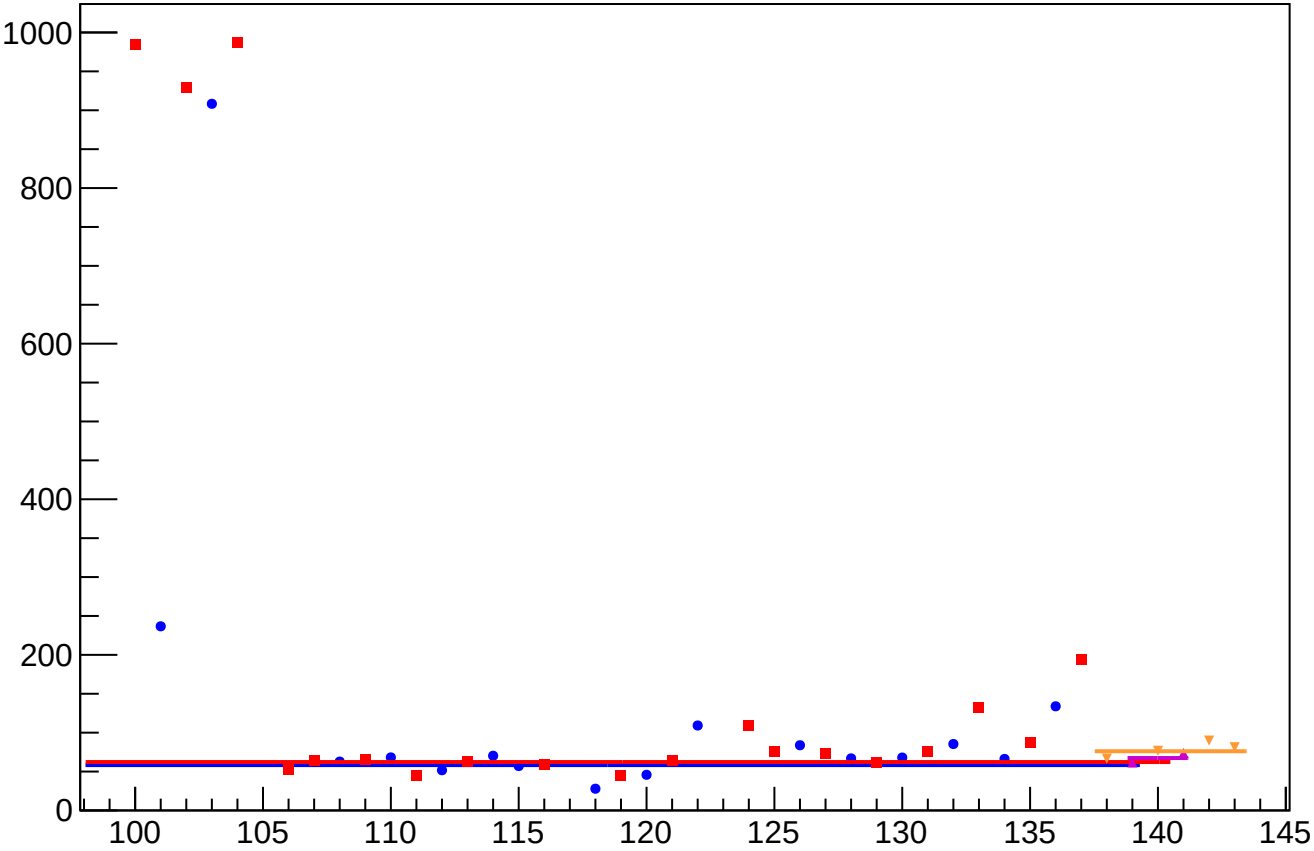
Left In: 0.001+/-0.057 χ^2/NDF:0.0/1

+ sign 0.007+/-0.024 χ^2/NDF: 20.2/19

All: 0.013+/-0.017 χ^2/NDF: 41.2/40

- sign 0.020+/-0.025 χ^2/NDF: 20.9/20

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 76.115+/-0.036 χ^2/NDF:46162.0/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

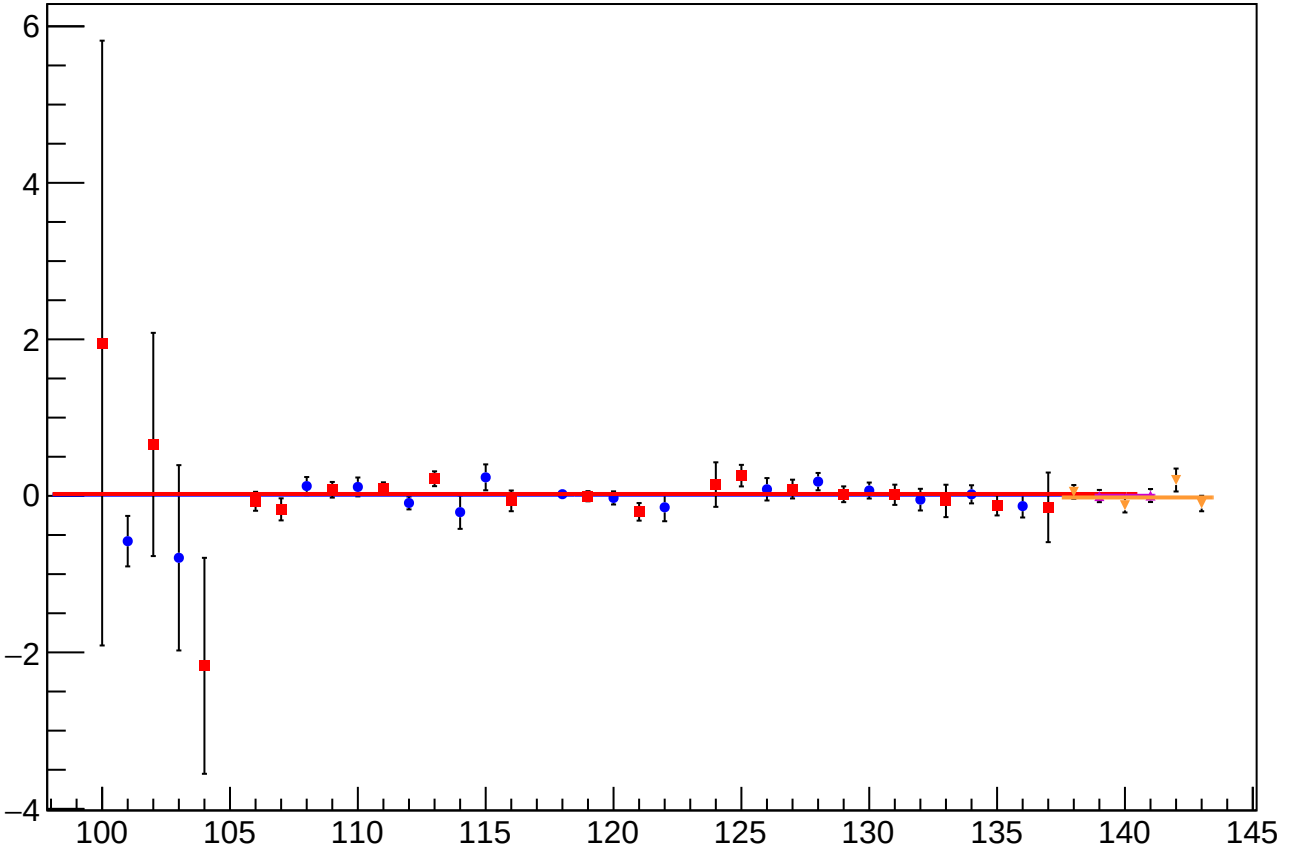
Left In: 67.370+/-0.040 χ^2/NDF:22591.2/1

+ sign 62.496+/-0.017 χ^2/NDF: 3498995.4/19

All: 62.854+/-0.012 χ^2/NDF: 6162596.9/40

- sign 63.237+/-0.018 χ^2/NDF: 2662706.2/20

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: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

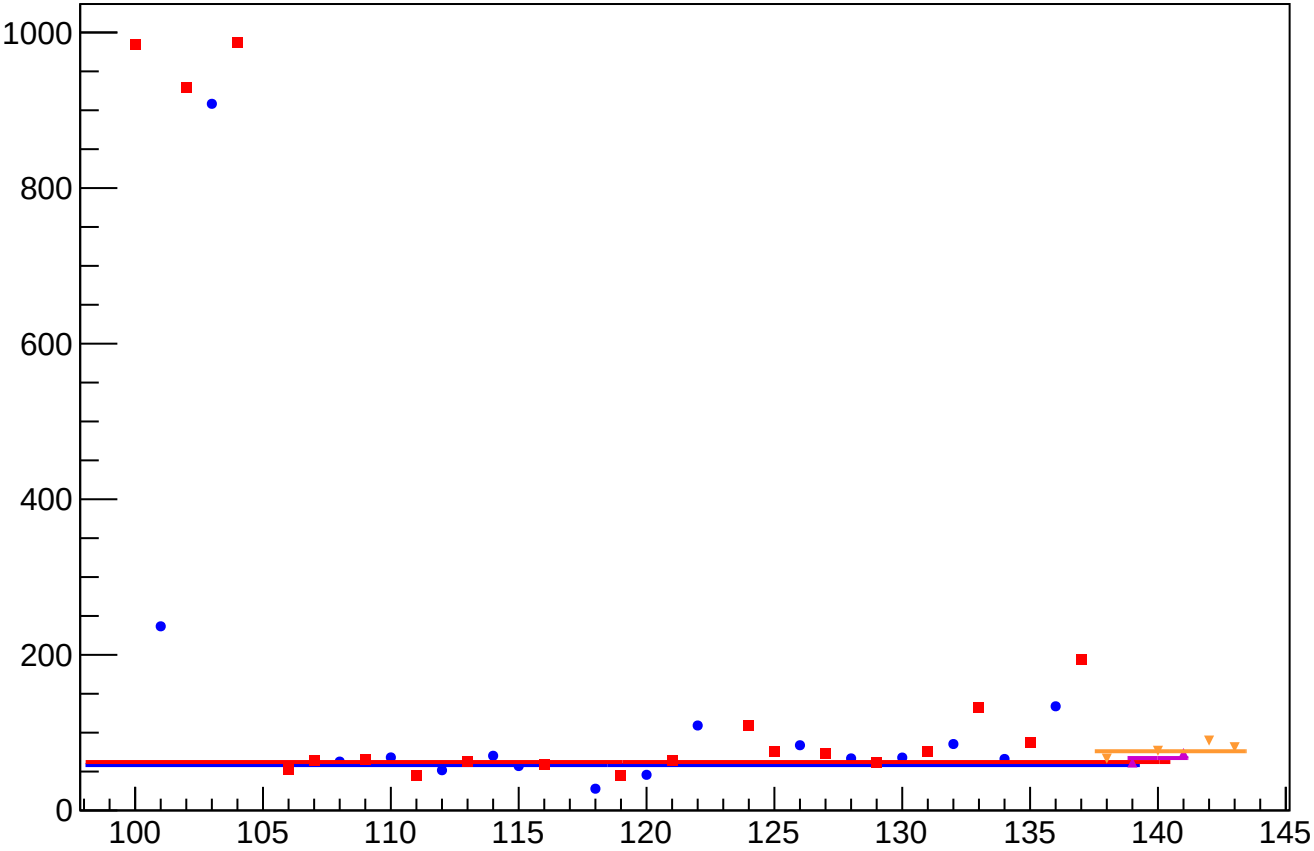
Left In: 0.001+/-0.057 χ^2/NDF:0.0/1

+ sign 0.007+/-0.024 χ^2/NDF: 20.2/19

All: 0.013+/-0.017 χ^2/NDF: 41.2/40

- sign 0.020+/-0.025 χ^2/NDF: 20.9/20

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: 76.115+/-0.036 χ^2/NDF:46162.0/3

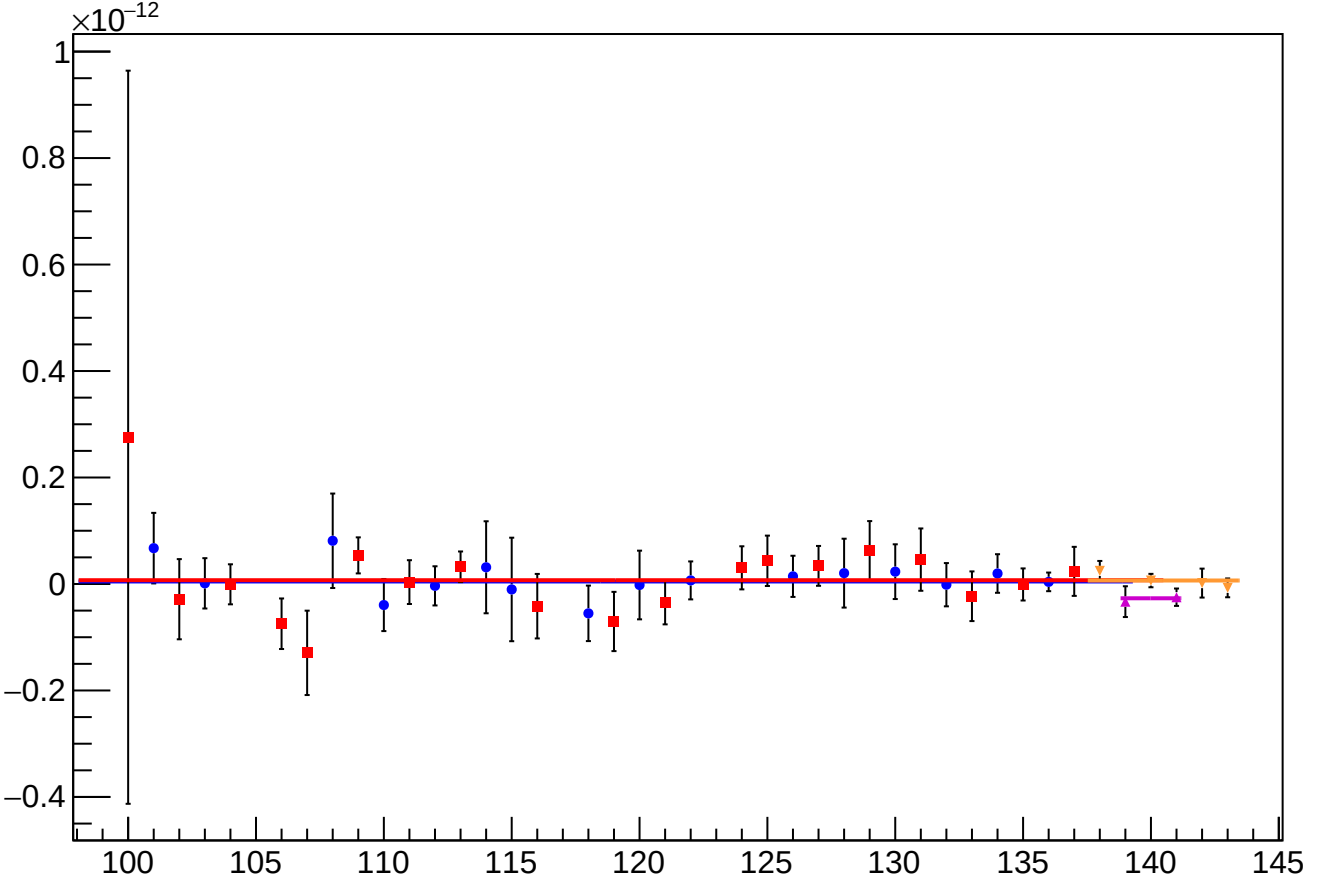
Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 67.370+/-0.040 χ^2/NDF:22591.2/1

+ sign 62.496+/-0.017 χ^2/NDF: 3498995.4/19

All: 62.854+/-0.012 χ^2/NDF: 6162596.9/40

- sign 63.237+/-0.018 χ^2/NDF: 2662706.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

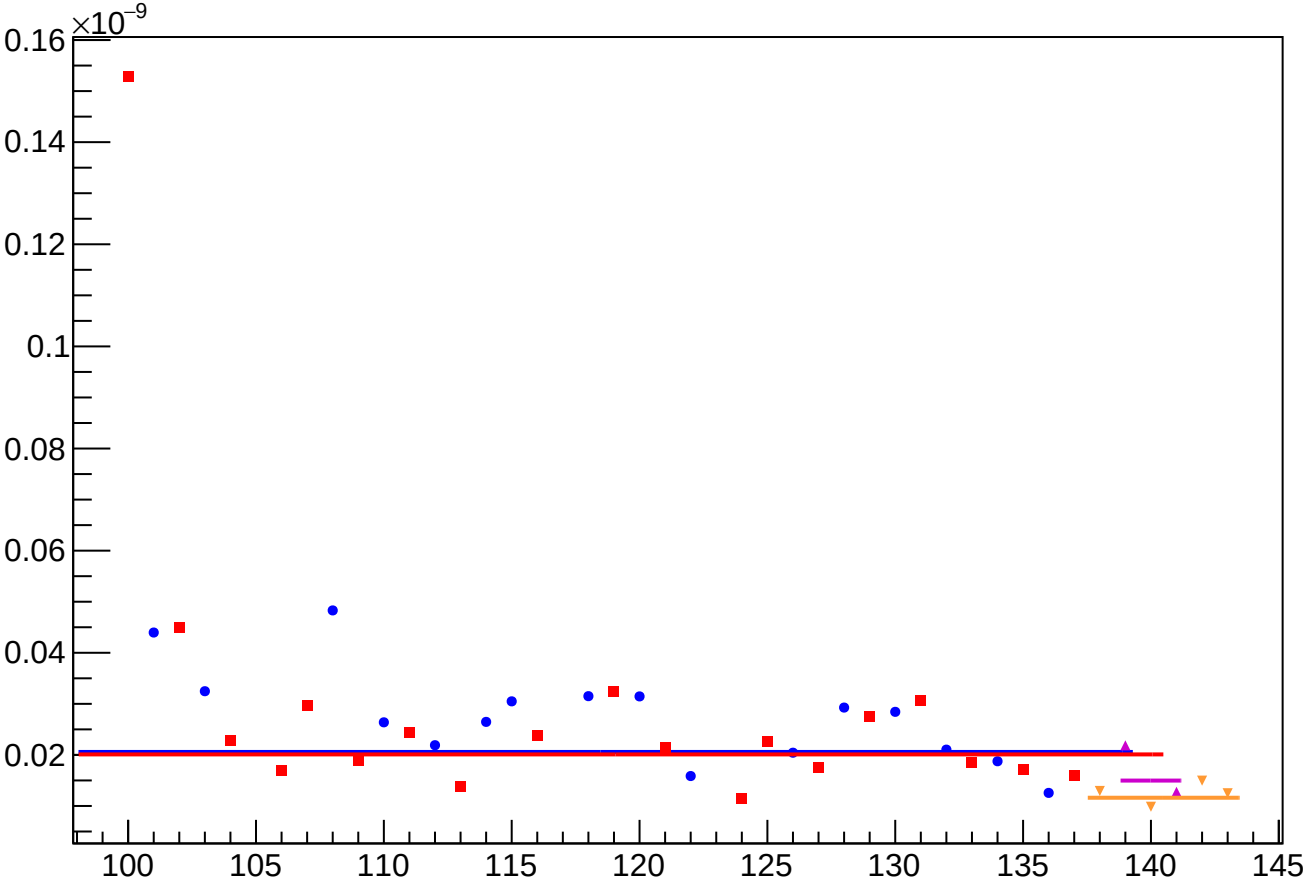
Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 6.0/19

All: 0.000+/-0.000 χ^2/NDF: 26.9/40

- sign -0.000+/-0.000 χ^2/NDF: 20.0/20

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:84620.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

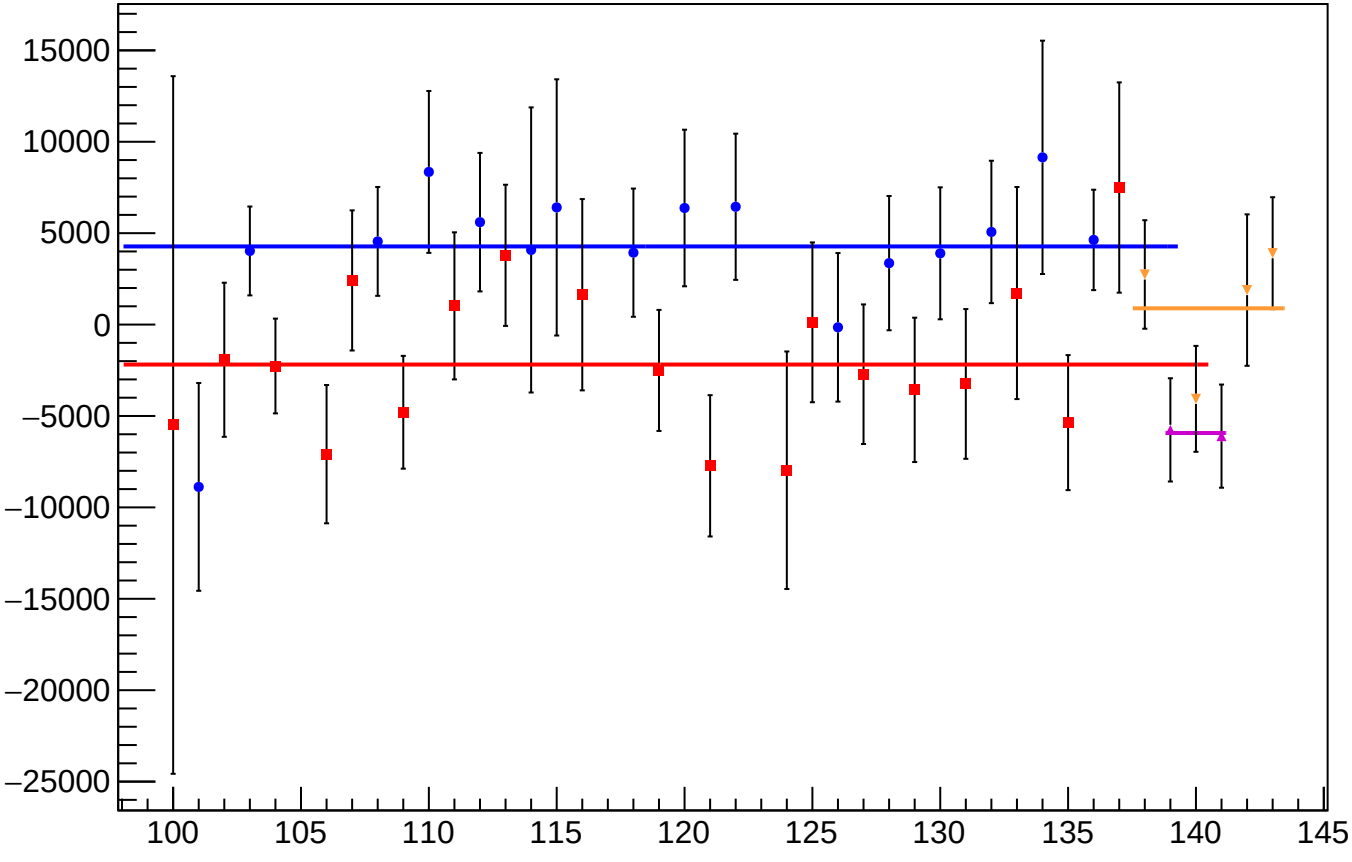
Left In: 0.000+/-0.000 χ^2/NDF:149975.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 2307500.5/19

All: 0.000+/-0.000 χ^2/NDF: 3614244.8/40

- sign 0.000+/-0.000 χ^2/NDF: 1134622.6/20

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 889.670+/-1585.643 χ^2/NDF:4.3/3

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

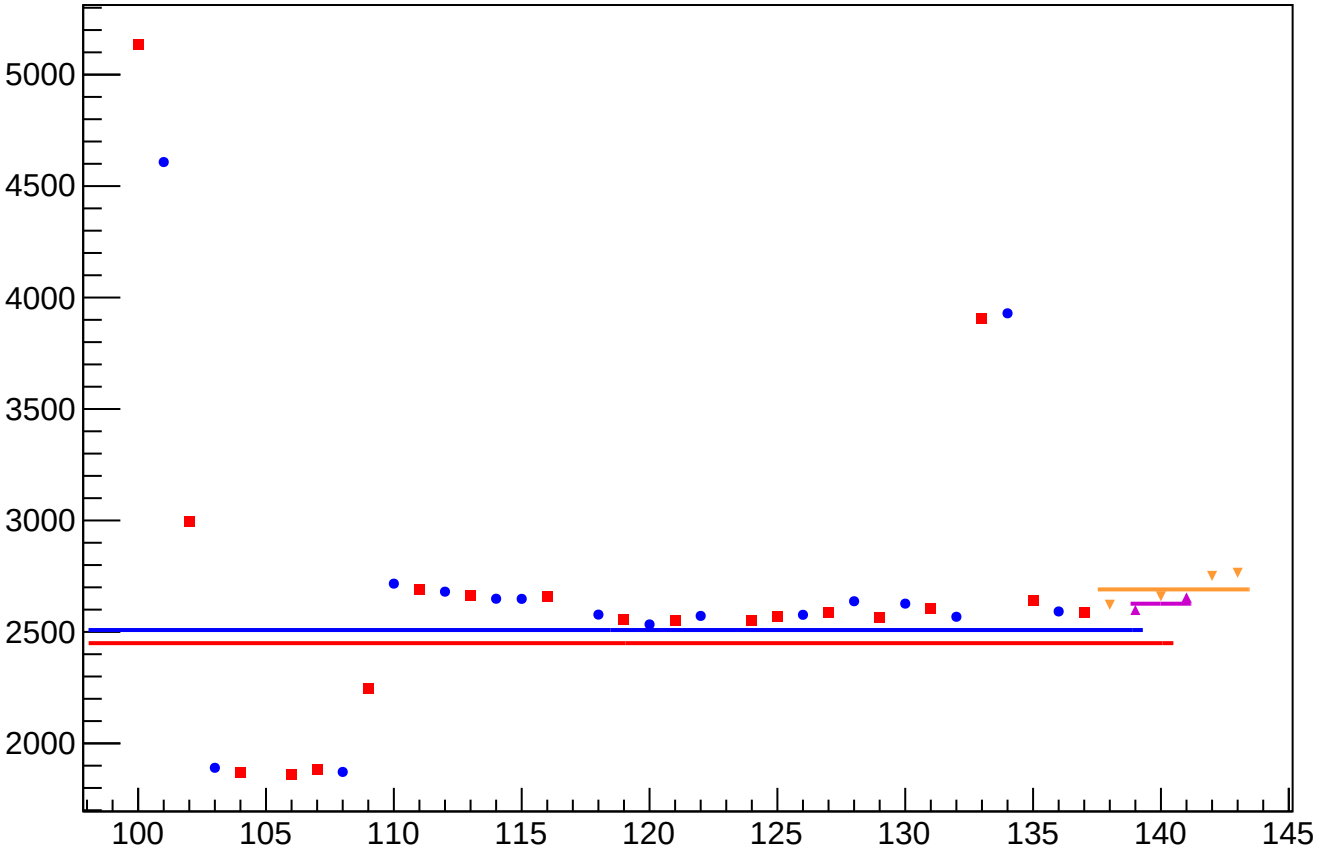
Left In: -5931.468+/-1996.151 χ^2/NDF:0.0/1

+ sign 3377.648+/-816.166 χ^2/NDF: 16.6/19

All: 345.168+/-584.379 χ^2/NDF: 62.6/40

- sign -2844.904+/-837.105 χ^2/NDF: 17.7/20

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

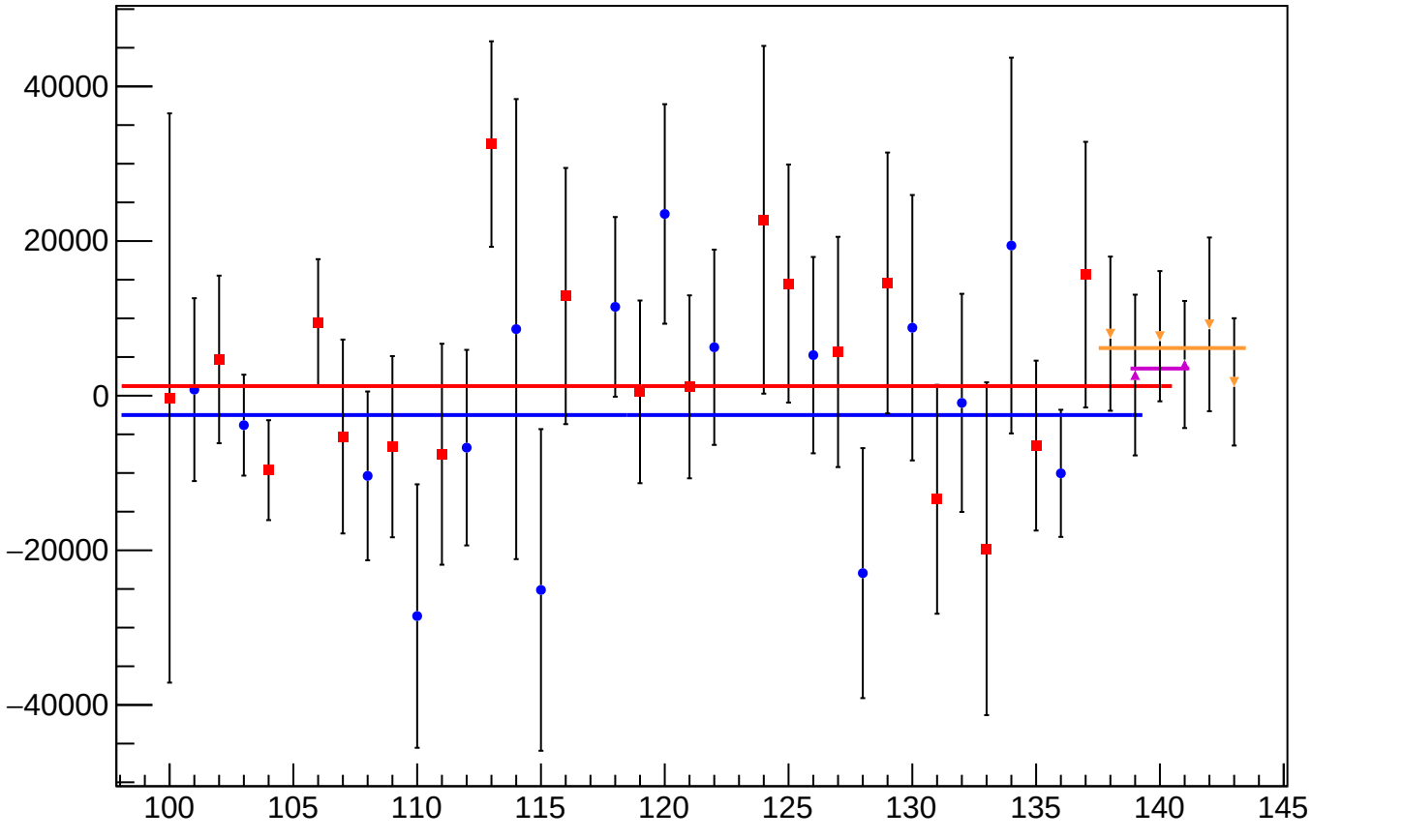
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2626.598+/-1.411 χ^2/NDF:396.4/1

+ sign 2556.746+/-0.577 χ^2/NDF: 633925.3/19

All: 2519.708+/-0.413 χ^2/NDF: 1092630.0/40

- sign 2480.746+/-0.592 χ^2/NDF: 450253.3/20



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 6161.956+/-4620.564 χ^2/NDF:0.4/3

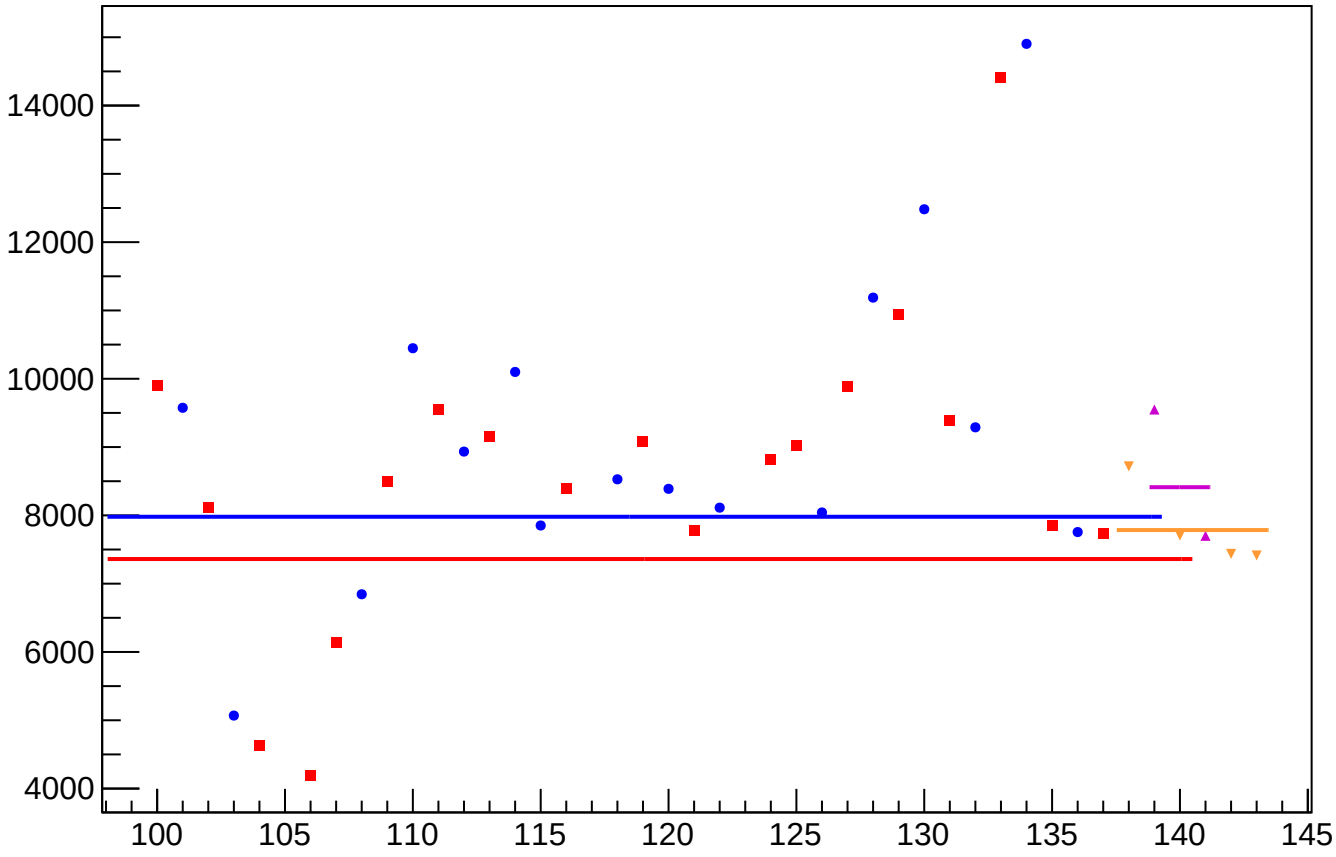
Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 3509.518+/-6447.819 χ^2/NDF:0.0/1

+ sign 159.053+/-2560.263 χ^2/NDF: 16.6/19

All: 873.437+/-1827.301 χ^2/NDF: 33.5/40

- sign 1615.168+/-2608.808 χ^2/NDF: 16.7/20



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7784.709+/-3.267 χ^2/NDF:23684.2/3

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

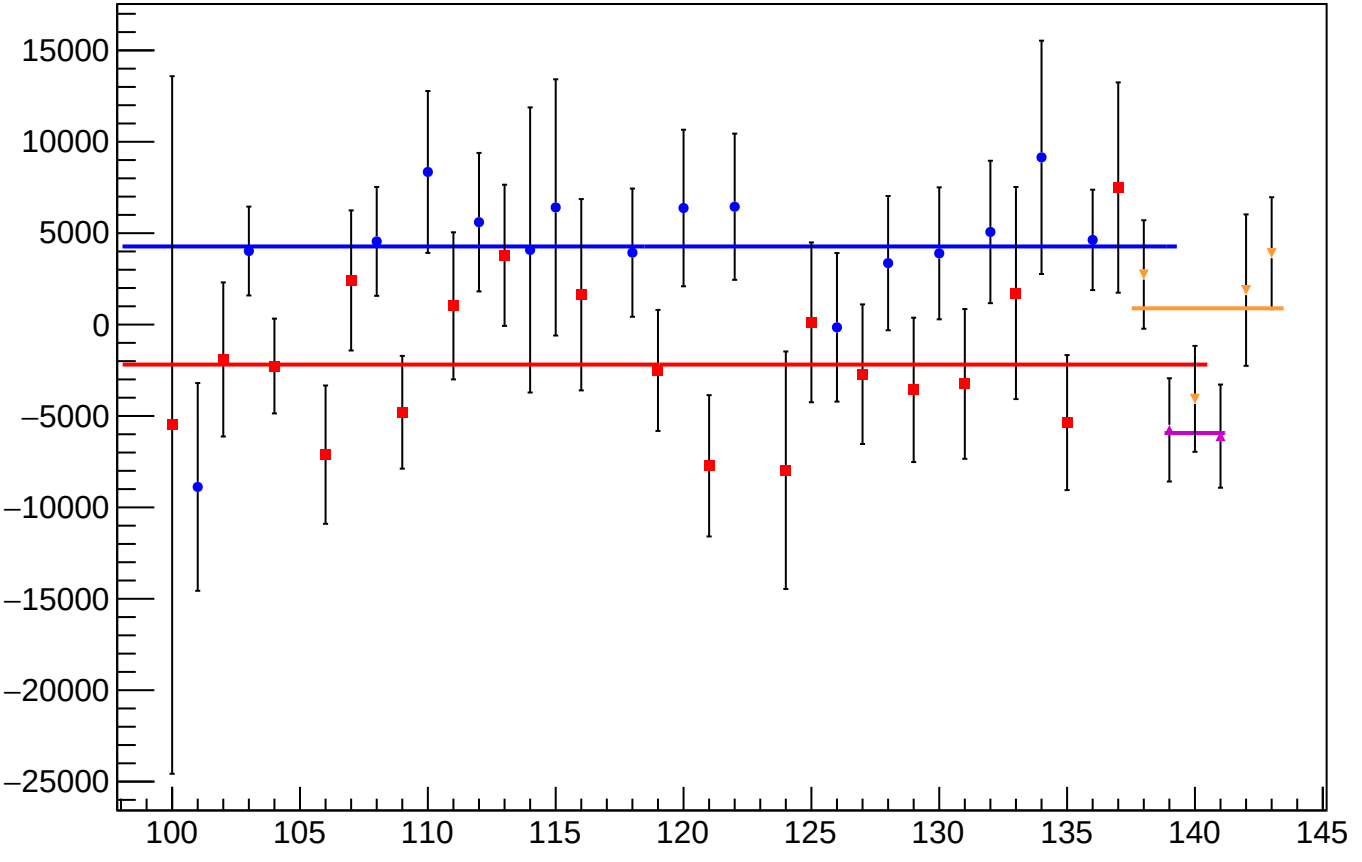
Left In: 8412.399+/-4.559 χ^2/NDF:38934.3/1

+ sign 7919.685+/-1.810 χ^2/NDF: 949230.9/19

All: 7729.925+/-1.292 χ^2/NDF: 2341063.0/40

- sign 7532.901+/-1.845 χ^2/NDF: 1369438.0/20

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 889.433+/-1585.644 χ^2/NDF:4.3/3

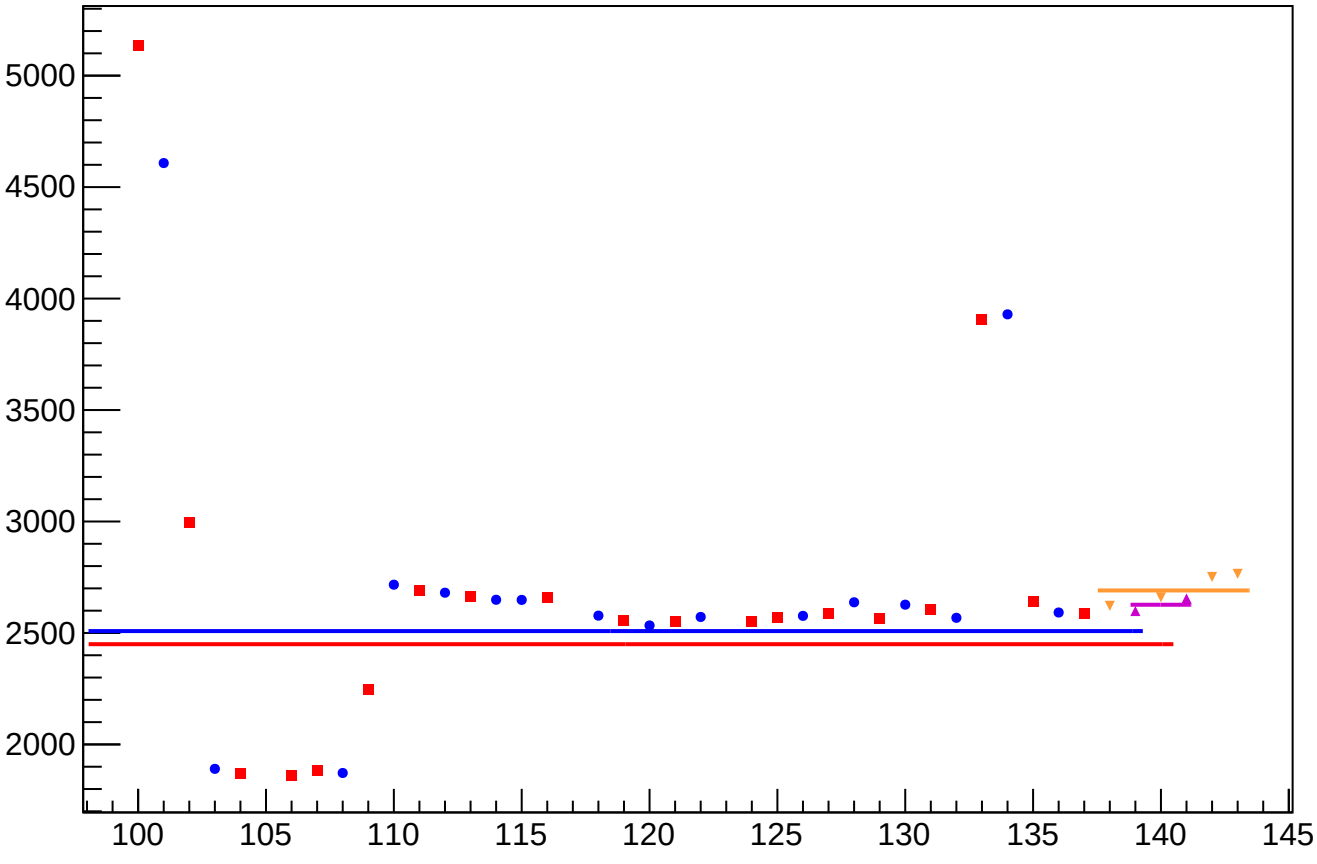
Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: -5931.730+/-1996.151 χ^2/NDF:0.0/1

+ sign 3377.224+/-816.166 χ^2/NDF: 16.6/19

All: 344.694+/-584.381 χ^2/NDF: 62.6/40

- sign -2845.472+/-837.110 χ^2/NDF: 17.7/20



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

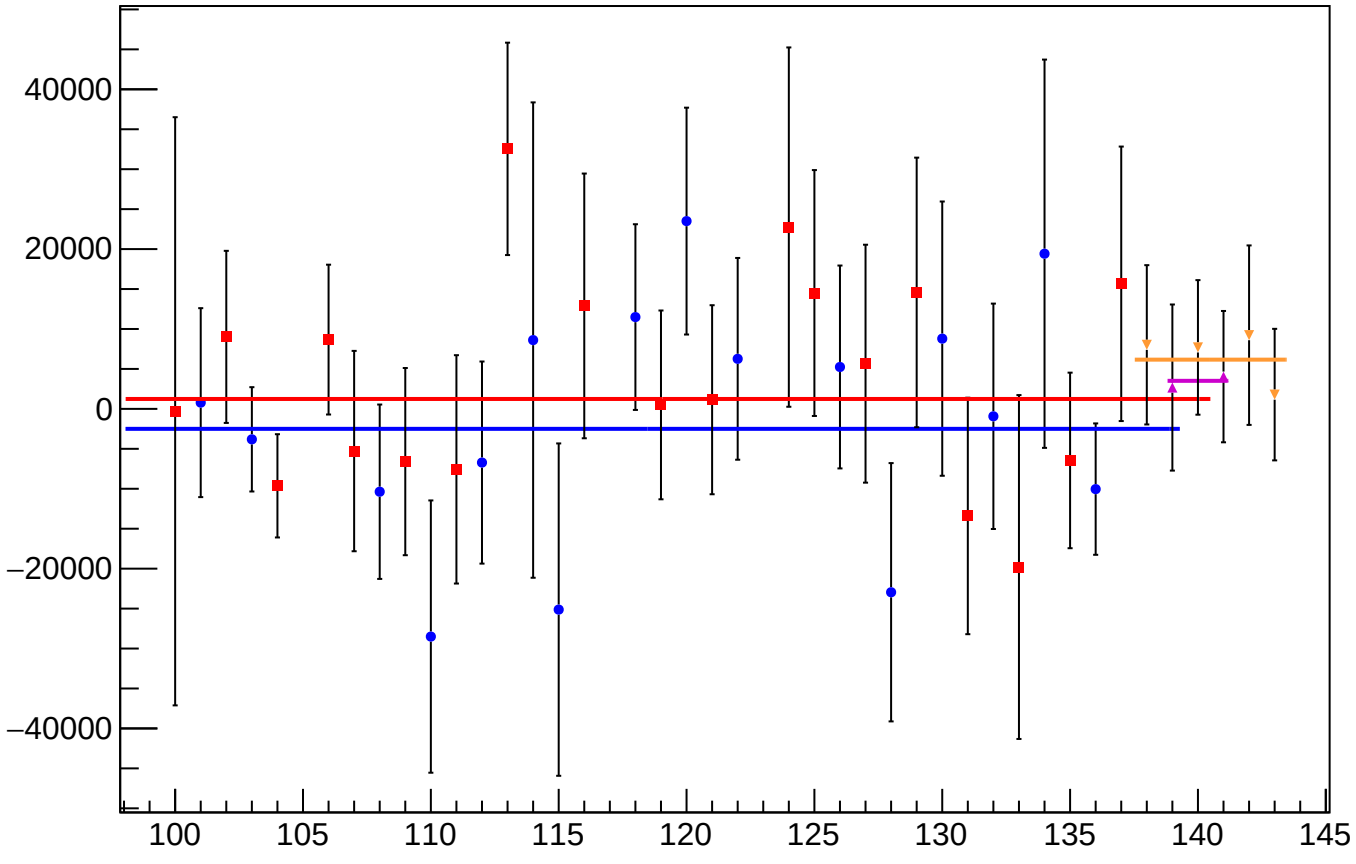
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2626.598+/-1.411 χ^2/NDF:396.4/1

+ sign 2556.746+/-0.577 χ^2/NDF: 633922.9/19

All: 2519.719+/-0.413 χ^2/NDF: 1092565.2/40

- sign 2480.766+/-0.592 χ^2/NDF: 450195.4/20



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6161.610+/-4620.544 χ^2/NDF:0.4/3

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

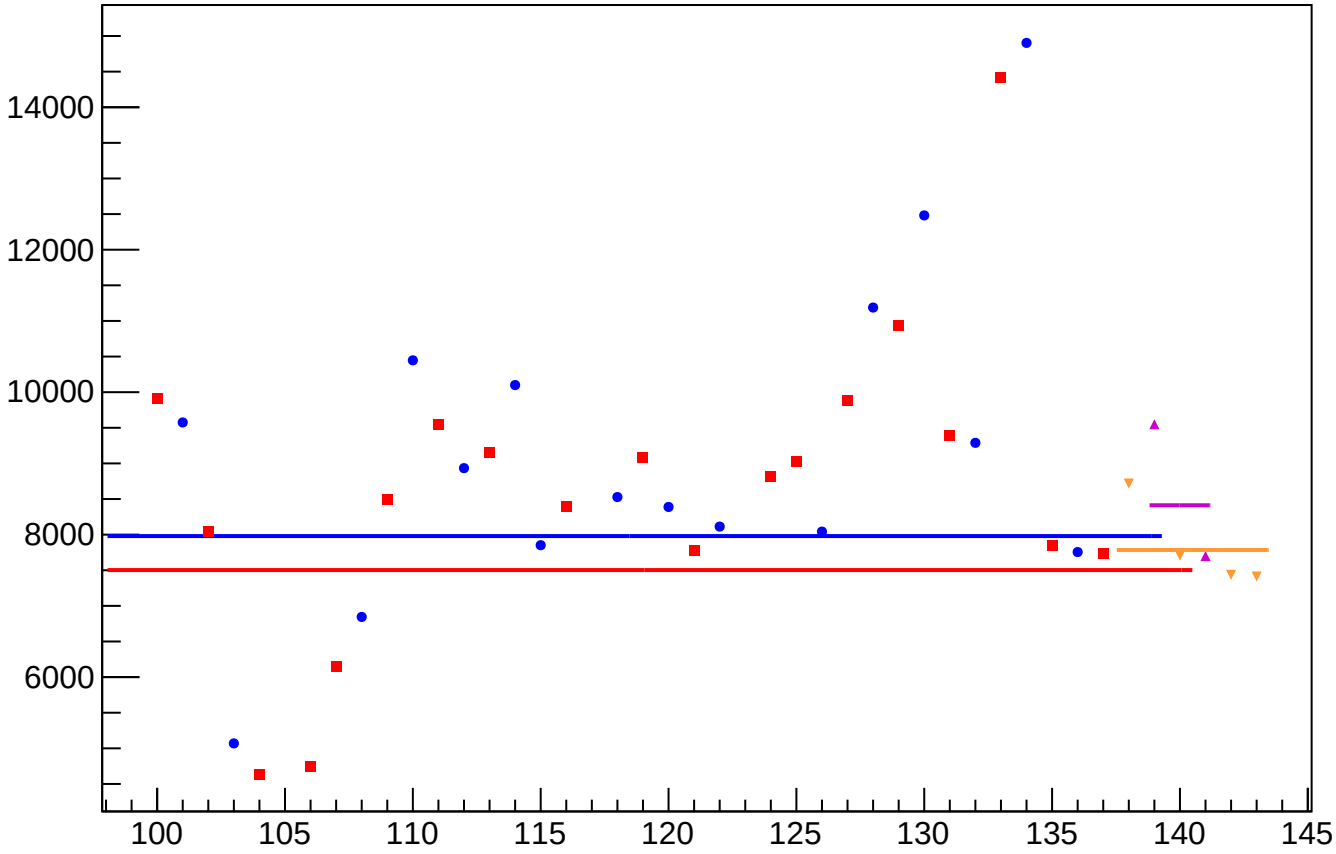
Left In: 3509.465+/-6447.814 χ^2/NDF:0.0/1

+ sign 159.222+/-2560.310 χ^2/NDF: 16.6/19

All: 867.433+/-1837.887 χ^2/NDF: 33.5/40

- sign 1620.326+/-2639.845 χ^2/NDF: 16.7/20

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7784.674+/-3.267 χ^2/NDF:23685.4/3

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

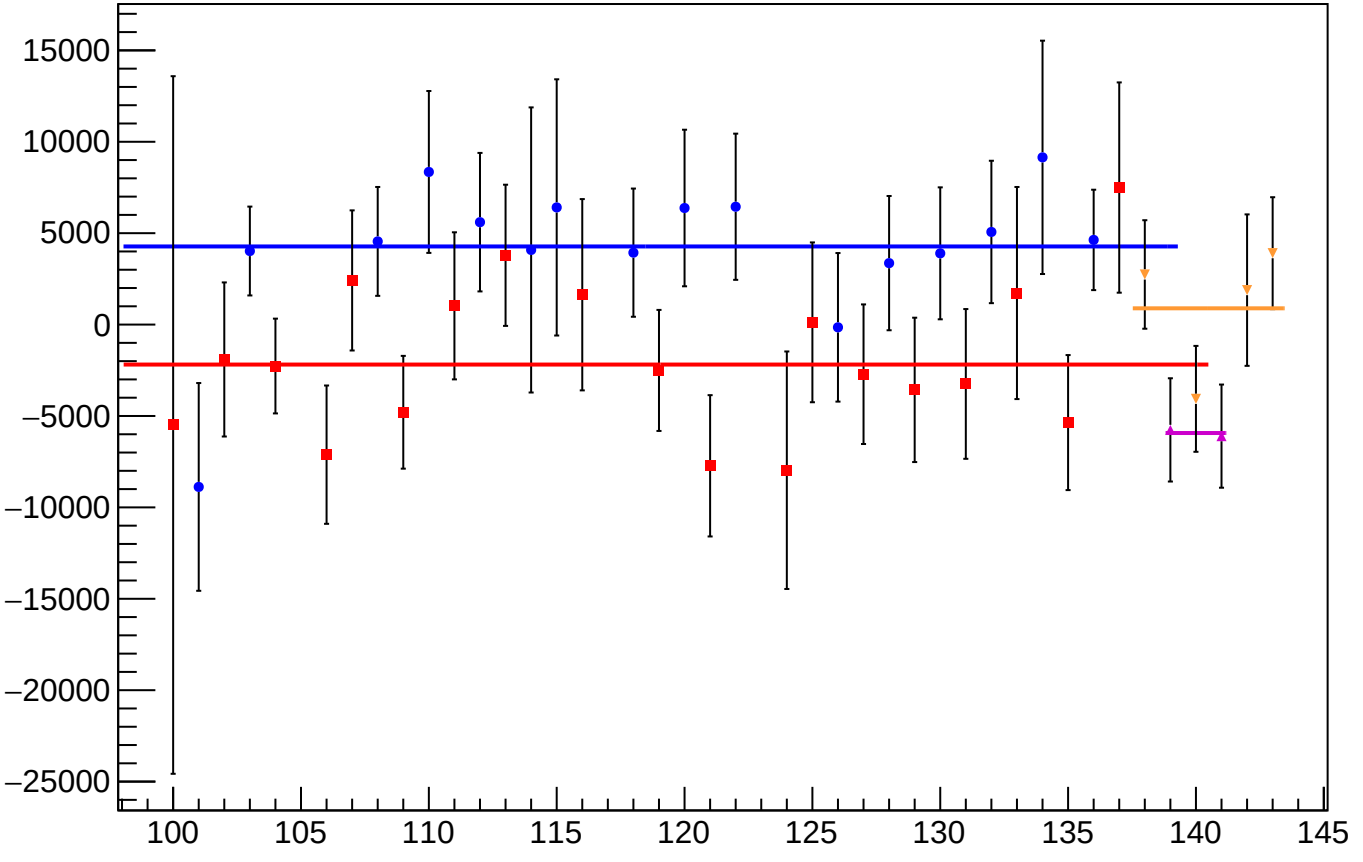
Left In: 8412.392+/-4.559 χ^2/NDF:38934.8/1

+ sign 7919.896+/-1.810 χ^2/NDF: 948942.7/19

All: 7791.582+/-1.300 χ^2/NDF: 2166902.8/40

- sign 7655.172+/-1.867 χ^2/NDF: 1207596.4/20

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 889.433+/-1585.644 χ^2/NDF:4.3/3

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

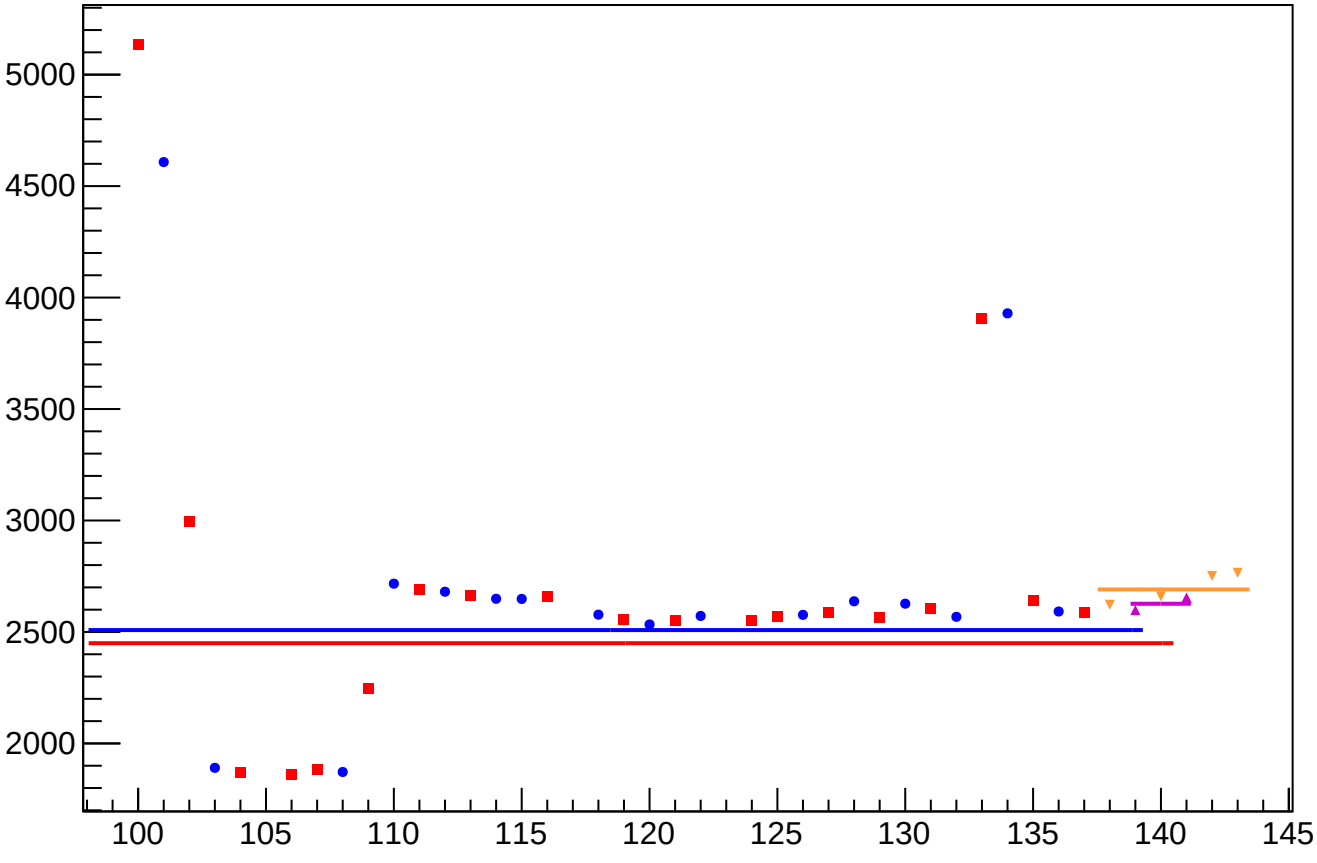
Left In: -5931.730+/-1996.151 χ^2/NDF:0.0/1

+ sign 3377.224+/-816.166 χ^2/NDF: 16.6/19

All: 344.694+/-584.381 χ^2/NDF: 62.6/40

- sign -2845.472+/-837.110 χ^2/NDF: 17.7/20

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

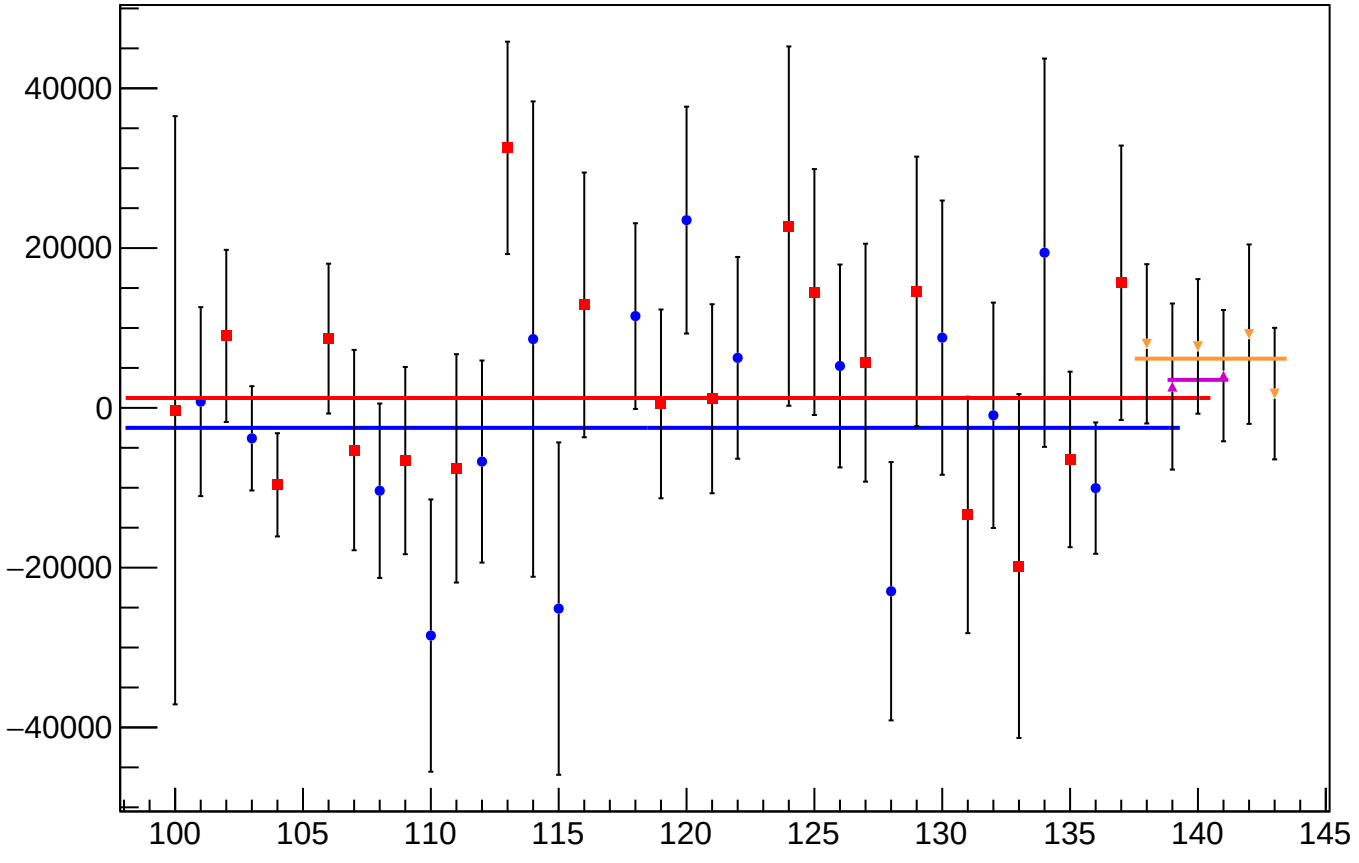
Left In: 2626.598+/-1.411 χ^2/NDF:396.4/1

+ sign 2556.746+/-0.577 χ^2/NDF: 633922.9/19

All: 2519.719+/-0.413 χ^2/NDF: 1092565.2/40

- sign 2480.766+/-0.592 χ^2/NDF: 450195.4/20

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6161.610+/-4620.544 χ^2/NDF:0.4/3

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

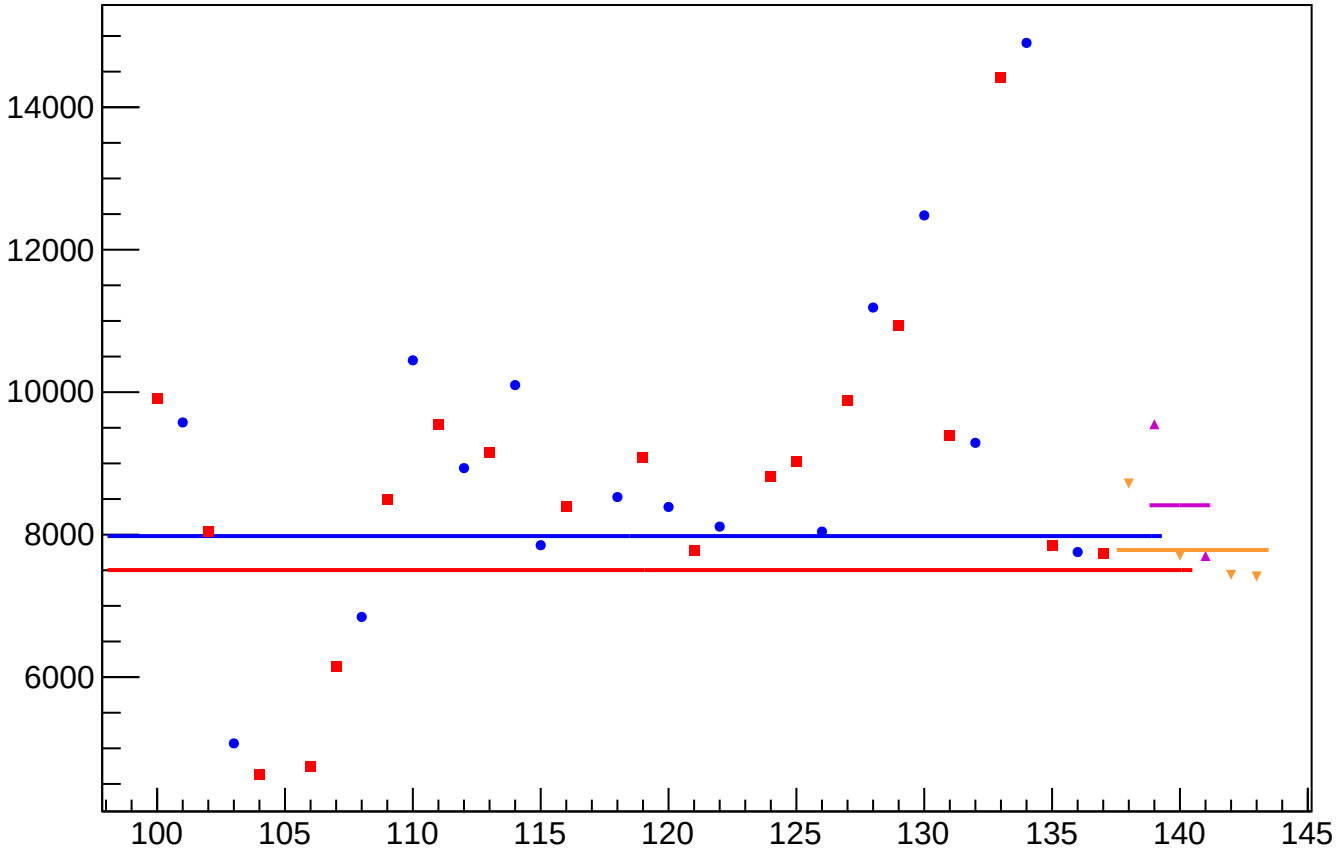
Left In: 3509.465+/-6447.814 χ^2/NDF:0.0/1

+ sign 159.222+/-2560.310 χ^2/NDF: 16.6/19

All: 867.433+/-1837.887 χ^2/NDF: 33.5/40

- sign 1620.326+/-2639.845 χ^2/NDF: 16.7/20

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7784.674+/-3.267 χ^2/NDF:23685.4/3

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

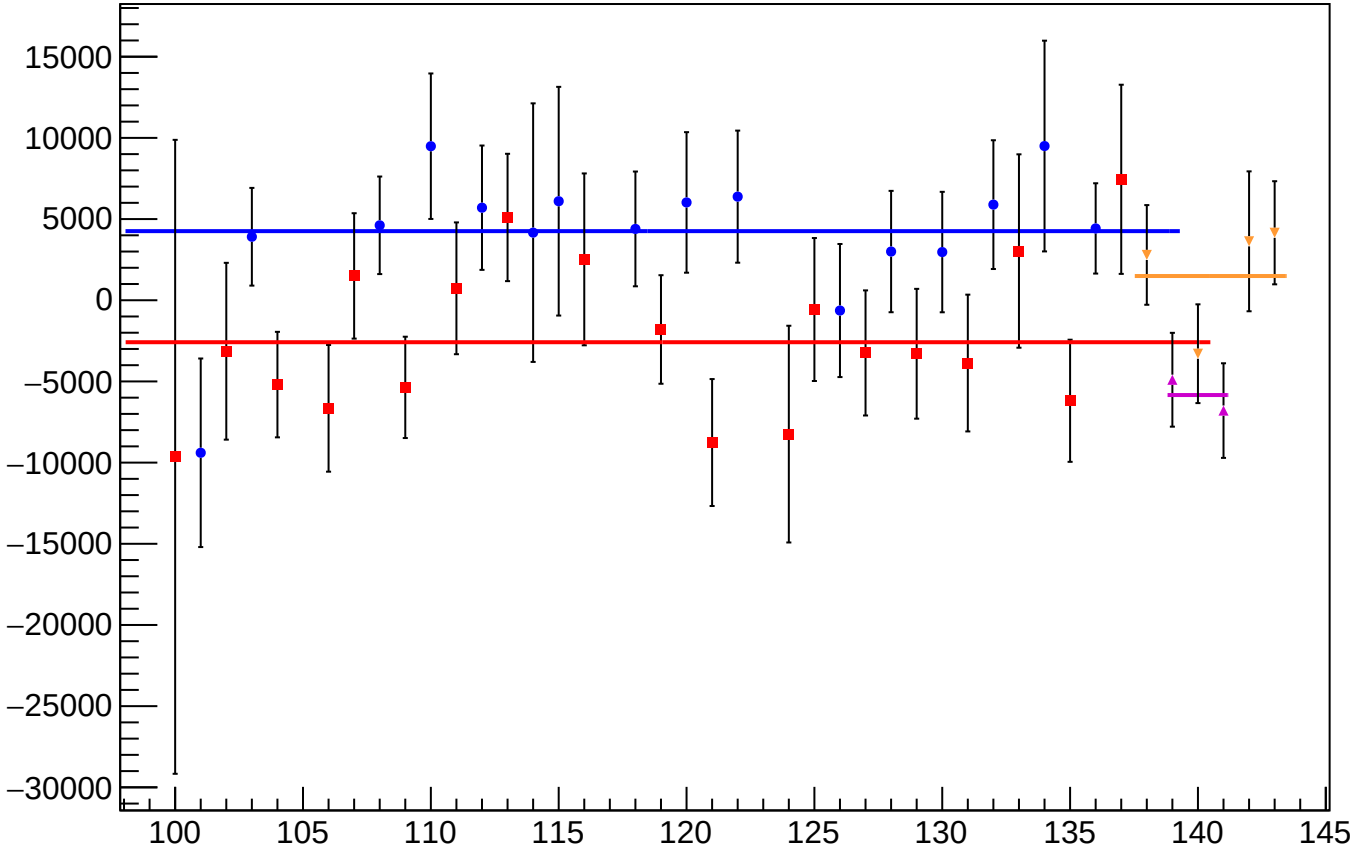
Left In: 8412.392+/-4.559 χ^2/NDF:38934.8/1

+ sign 7919.896+/-1.810 χ^2/NDF: 948942.7/19

All: 7791.582+/-1.300 χ^2/NDF: 2166902.8/40

- sign 7655.172+/-1.867 χ^2/NDF: 1207596.4/20

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1492.116+/-1650.200 χ^2/NDF:3.6/3

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

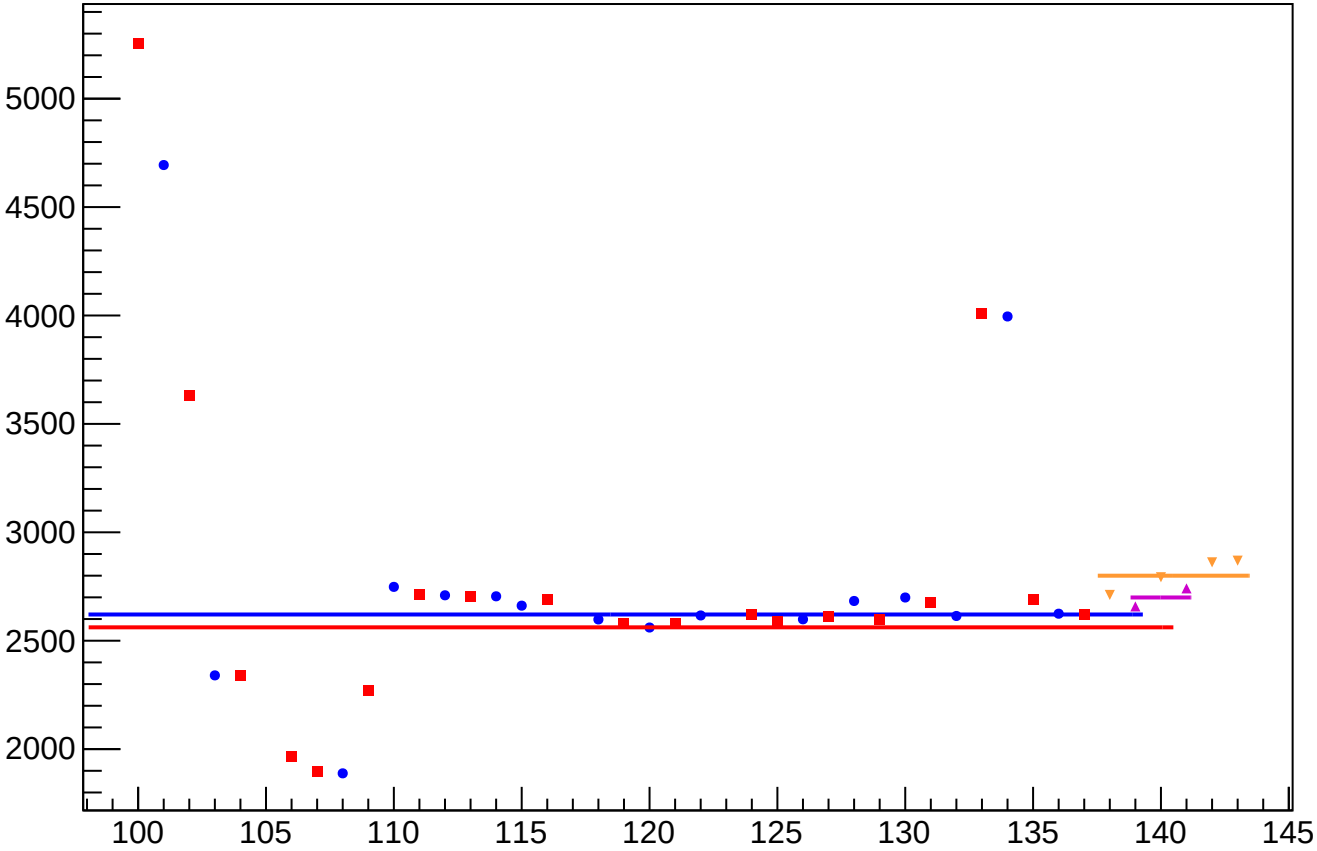
Left In: -5838.229+/-2051.781 χ^2/NDF:0.2/1

+ sign 3524.643+/-849.287 χ^2/NDF: 15.7/19

All: 270.906+/-609.091 χ^2/NDF: 65.8/40

- sign -3175.071+/-874.016 χ^2/NDF: 19.9/20

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2799.885+/-1.167 χ^2/NDF:3042.3/3

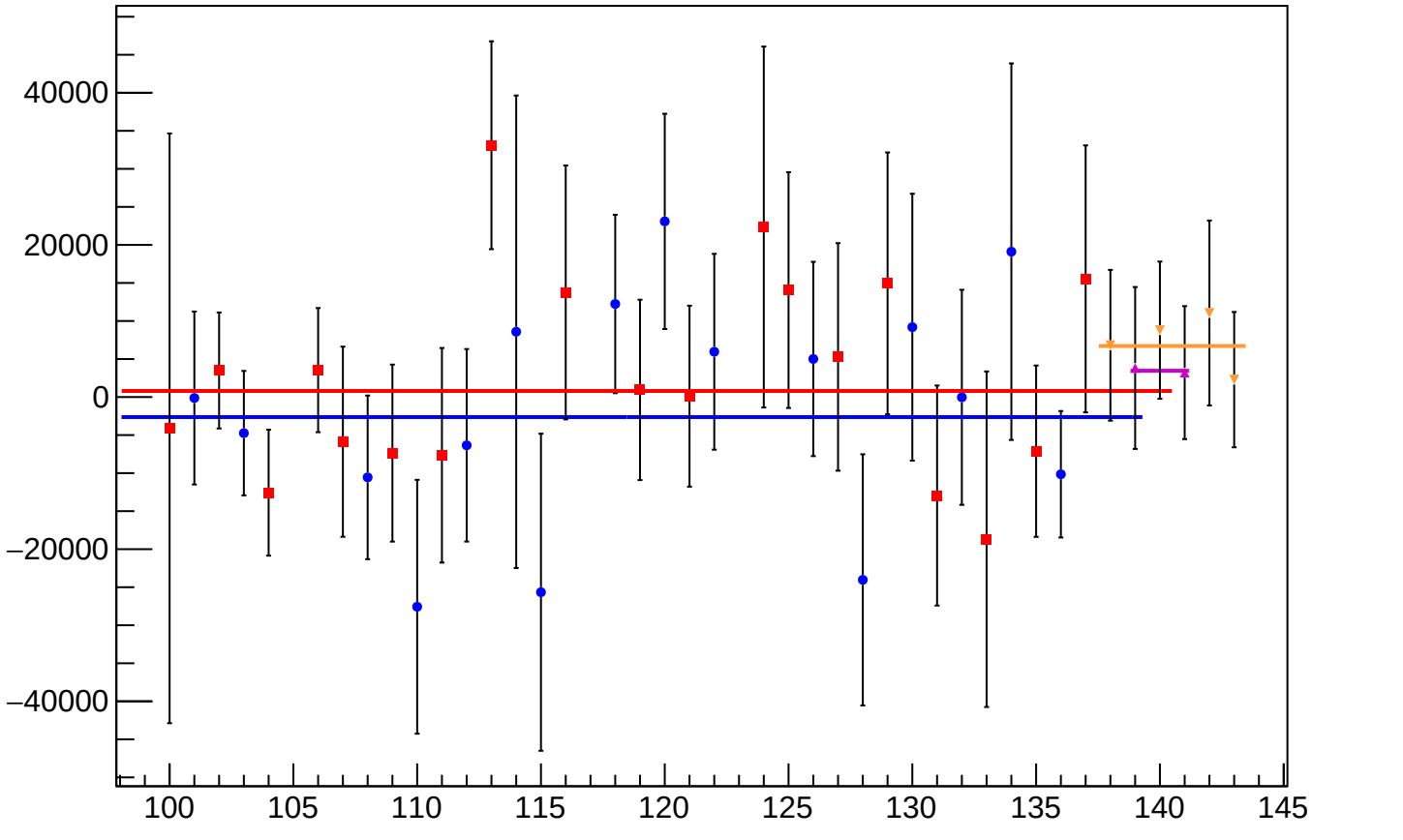
Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2699.436+/-1.451 χ^2/NDF:821.5/1

+ sign 2668.355+/-0.601 χ^2/NDF: 506240.5/19

All: 2628.672+/-0.431 χ^2/NDF: 901685.0/40

- sign 2586.684+/-0.618 χ^2/NDF: 386458.0/20



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 6711.864+/-4886.913 χ^2/NDF:0.4/3

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

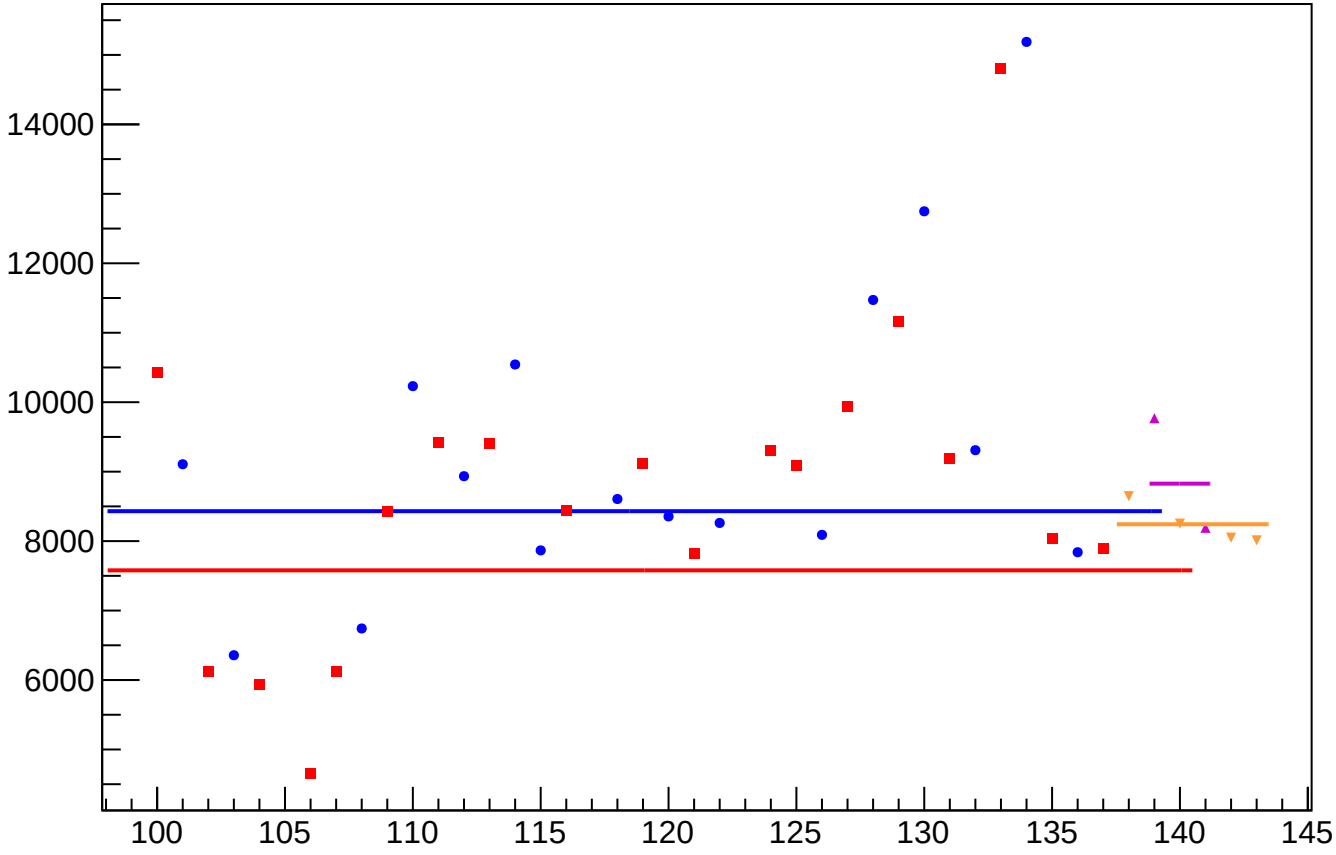
Left In: 3457.816+/-6755.386 χ^2/NDF:0.0/1

\+ sign 186.260+/-2683.846 χ^2/NDF: 16.8/19

All: 705.582+/-1883.442 χ^2/NDF: 32.4/40

\- sign 1209.515+/-2643.783 χ^2/NDF: 15.5/20

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8242.575+/-3.456 χ^2/NDF:5191.0/3

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

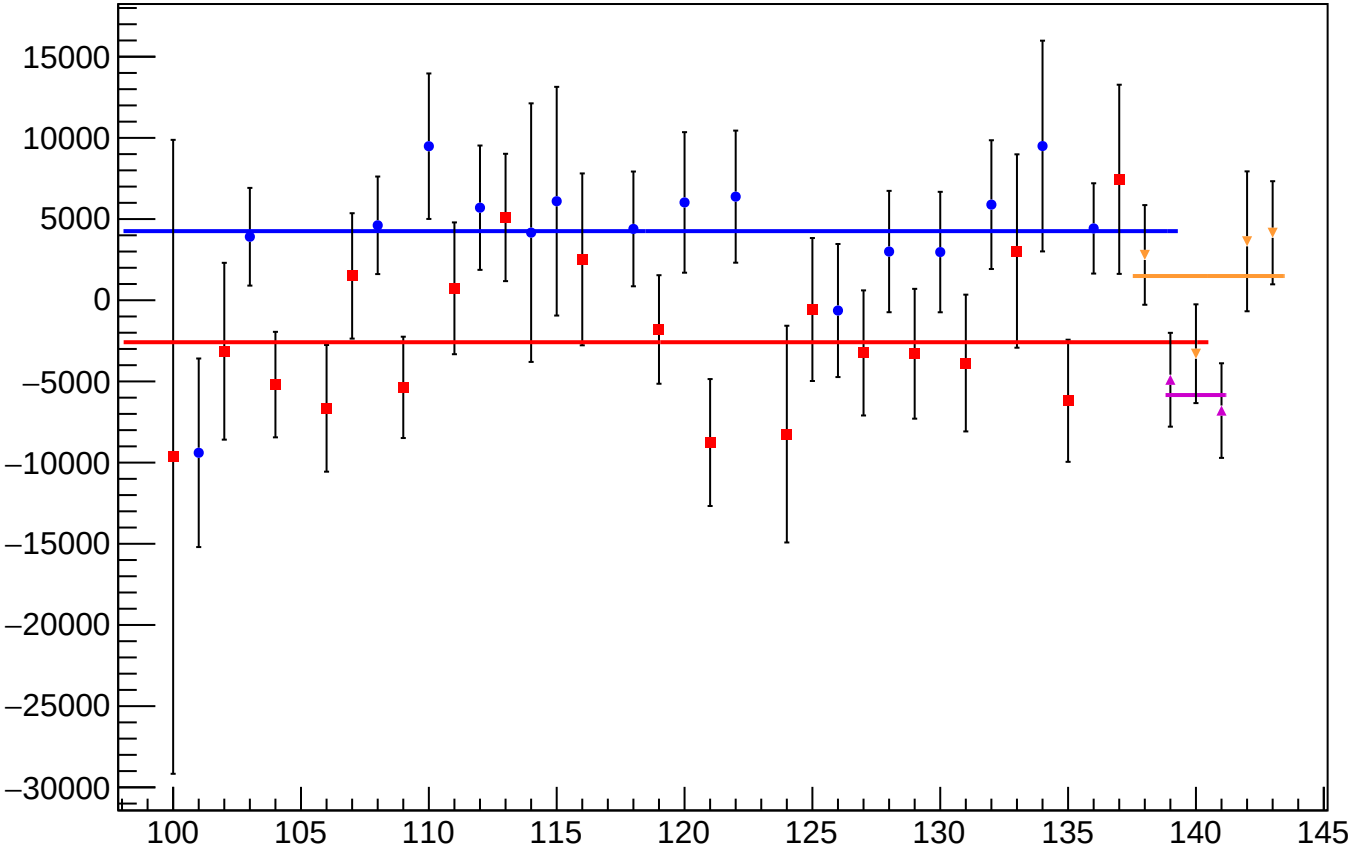
Left In: 8827.220+/-4.777 χ^2/NDF:26236.0/1

+ sign 8374.007+/-1.898 χ^2/NDF: 587557.5/19

All: 8067.601+/-1.332 χ^2/NDF: 1697098.3/40

- sign 7770.275+/-1.869 χ^2/NDF: 1058177.1/20

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1492.112+/-1650.201 χ^2/NDF:3.6/3

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

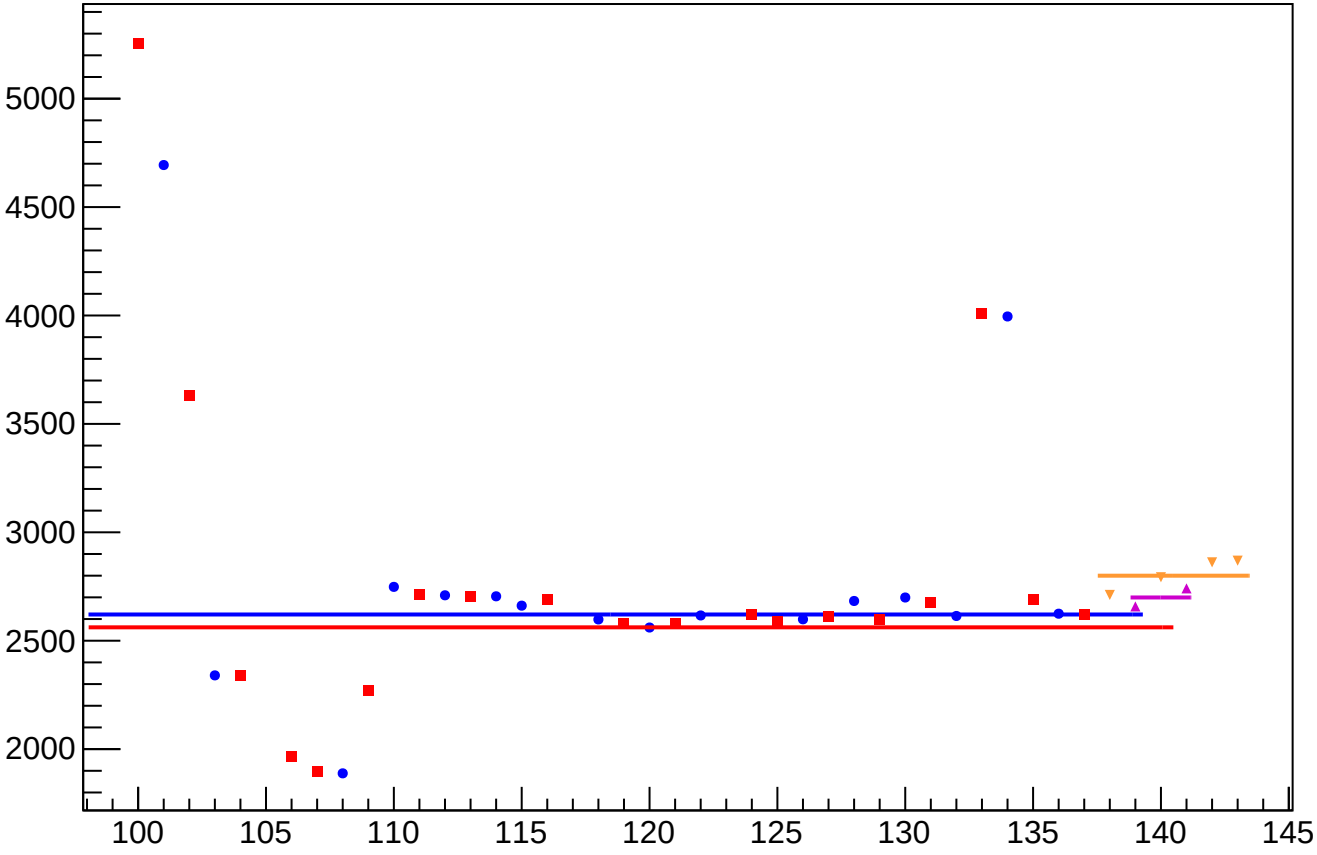
Left In: -5838.190+/-2051.781 χ^2/NDF:0.2/1

+ sign 3524.649+/-849.287 χ^2/NDF: 15.7/19

All: 270.909+/-609.091 χ^2/NDF: 65.9/40

- sign -3175.072+/-874.016 χ^2/NDF: 19.9/20

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2799.887+/-1.167 χ^2/NDF:3042.4/3

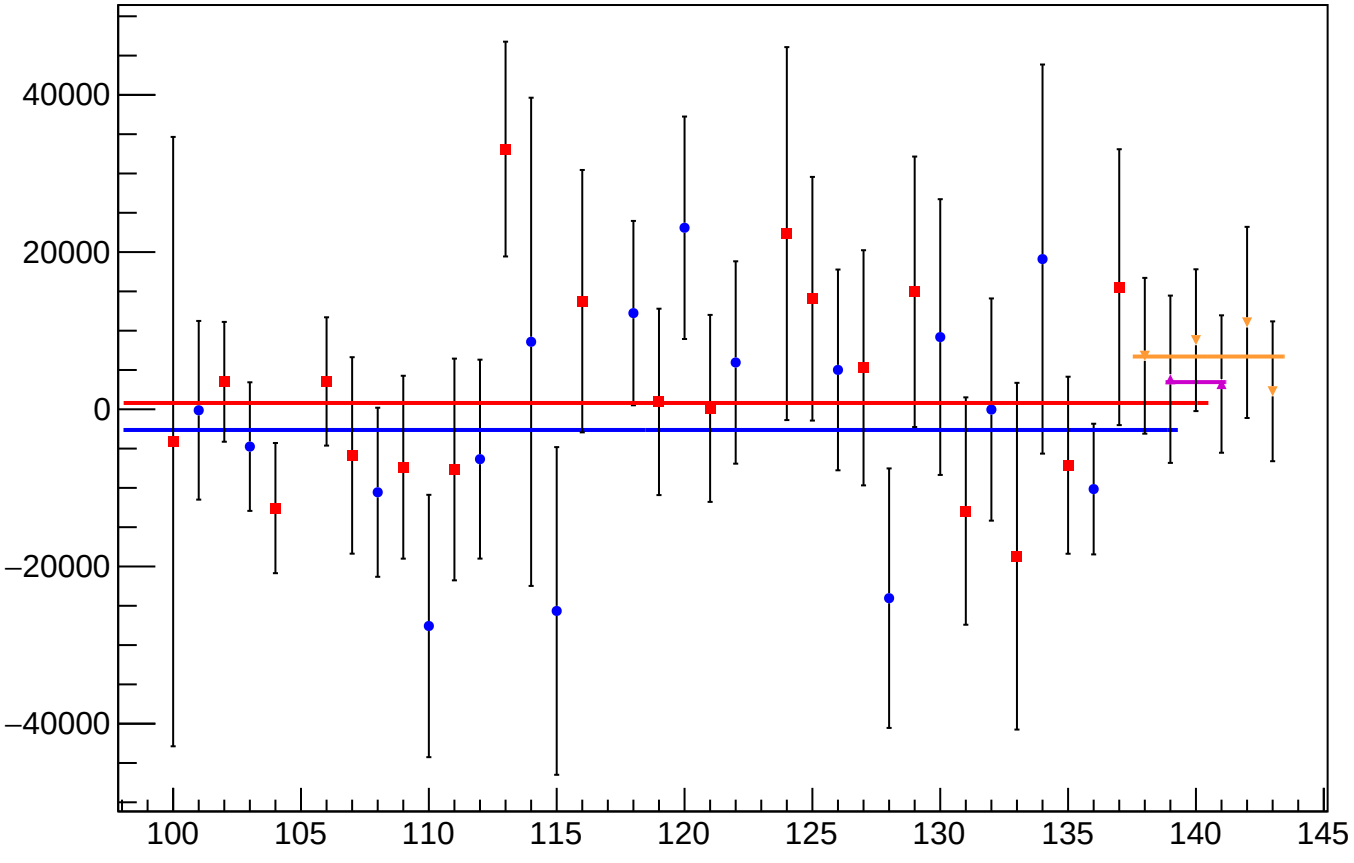
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2699.437+/-1.451 χ^2/NDF:821.4/1

+ sign 2668.355+/-0.601 χ^2/NDF: 506241.2/19

All: 2628.672+/-0.431 χ^2/NDF: 901685.2/40

- sign 2586.684+/-0.618 χ^2/NDF: 386457.5/20



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 6711.872+/-4886.919 χ^2/NDF:0.4/3

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

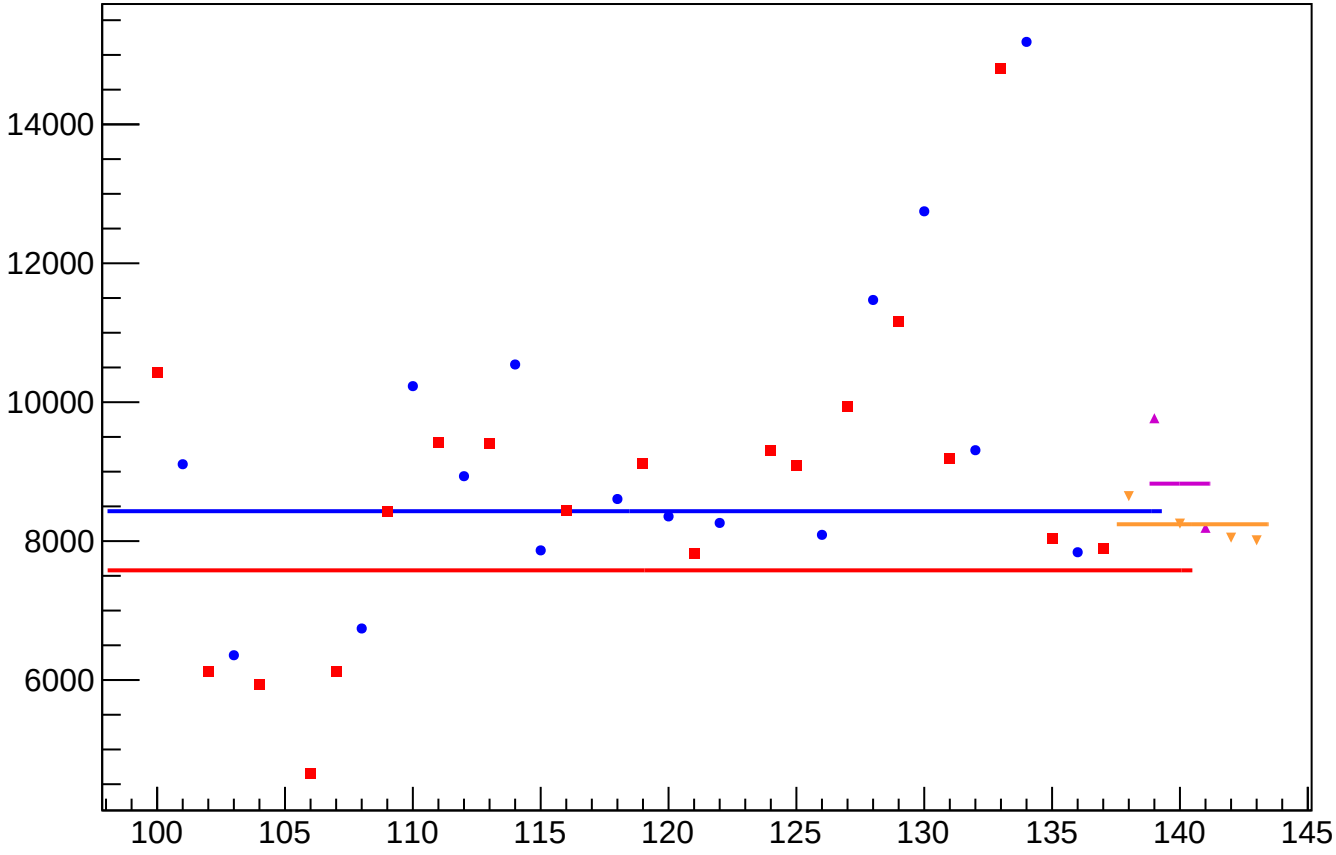
Left In: 3457.856+/-6755.391 χ^2/NDF:0.0/1

+ sign 186.276+/-2683.845 χ^2/NDF: 16.8/19

All: 705.591+/-1883.440 χ^2/NDF: 32.4/40

- sign 1209.516+/-2643.780 χ^2/NDF: 15.5/20

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8242.584+/-3.456 χ^2/NDF:5191.0/3

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

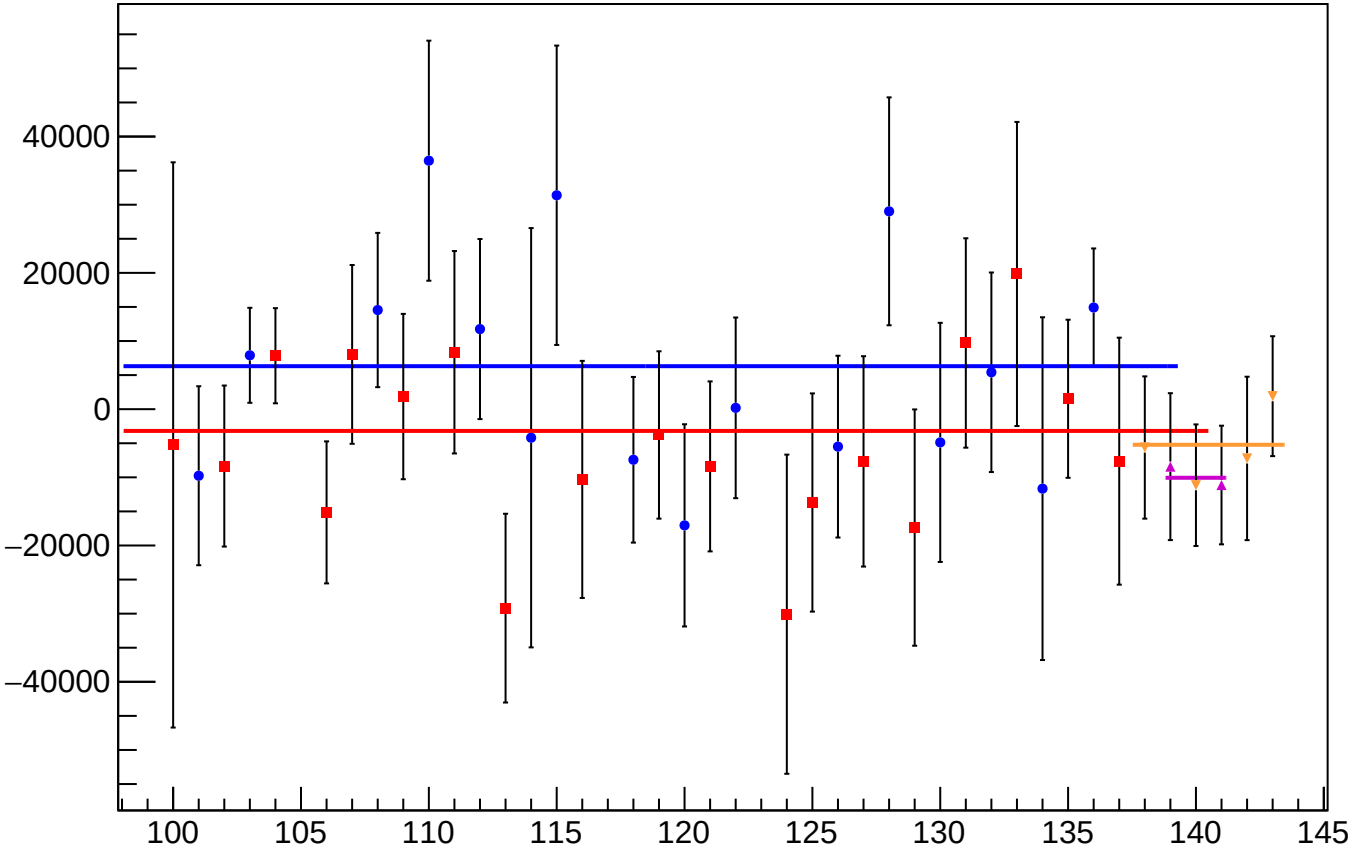
Left In: 8827.226+/-4.777 χ^2/NDF:26236.7/1

+ sign 8374.003+/-1.898 χ^2/NDF: 587551.4/19

All: 8067.594+/-1.332 χ^2/NDF: 1697091.7/40

- sign 7770.265+/-1.869 χ^2/NDF: 1058175.7/20

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -5223.108+/-4900.898 χ^2/NDF:1.1/3

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

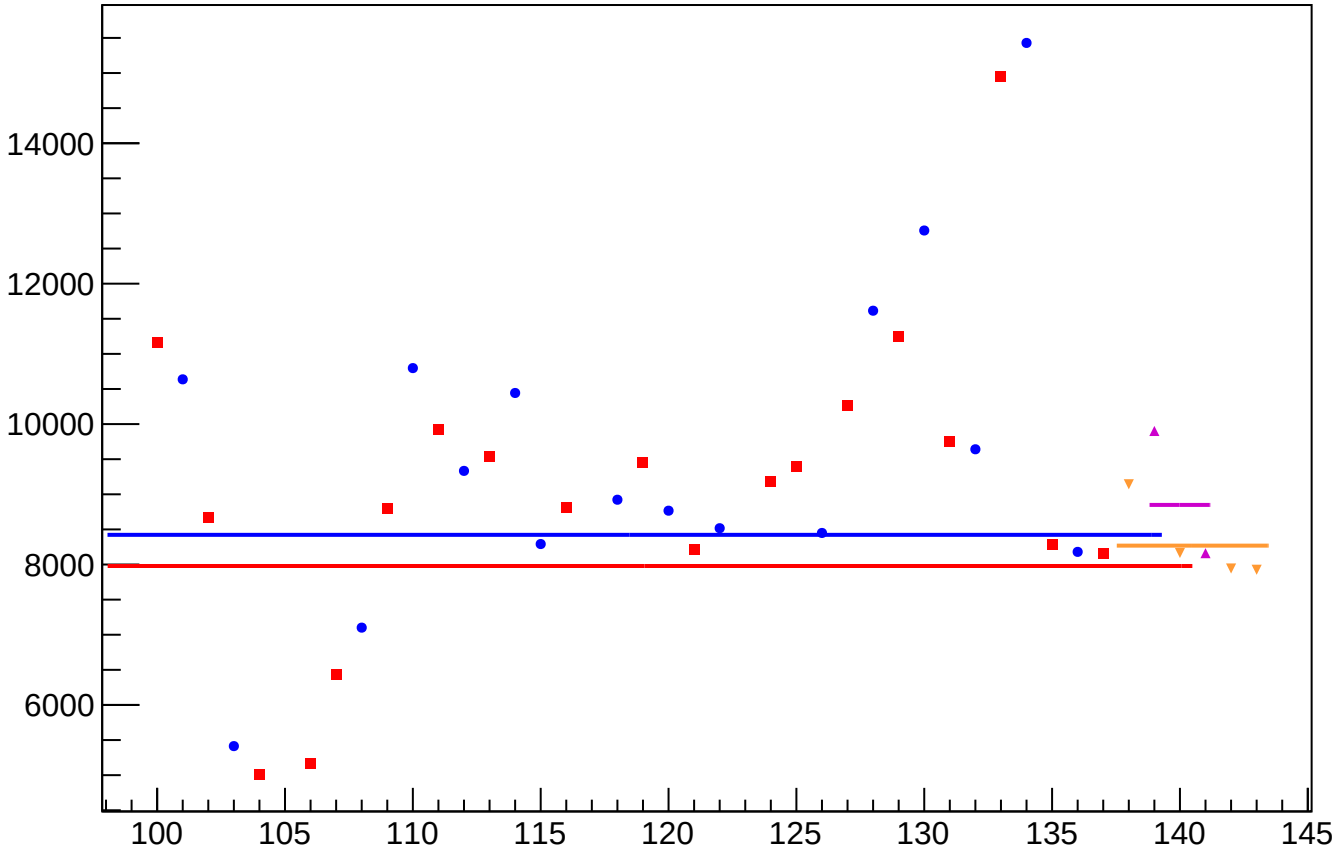
Left In: -10062.859+/-6771.532 χ^2/NDF:0.0/1

+ sign 2800.777+/-2702.590 χ^2/NDF: 20.1/19

All: -659.430+/-1942.881 χ^2/NDF: 38.3/40

- sign -4360.419+/-2795.040 χ^2/NDF: 14.8/20

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8269.033+/-3.465 χ^2/NDF:18820.3/3

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

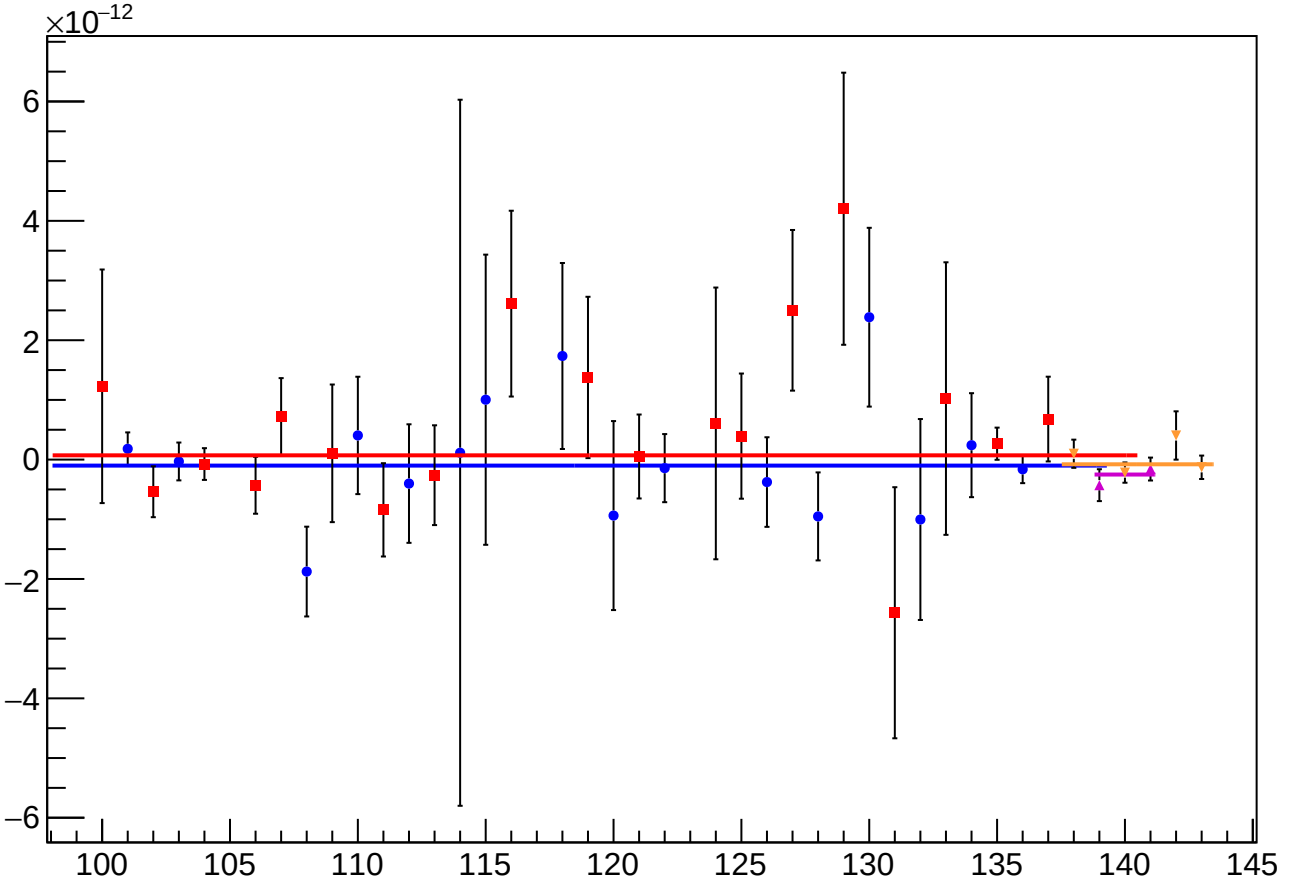
Left In: 8848.889+/-4.788 χ^2/NDF:31566.0/1

+ sign 8375.983+/-1.911 χ^2/NDF: 902022.8/19

All: 8255.771+/-1.374 χ^2/NDF: 1985179.4/40

- sign 8127.199+/-1.976 χ^2/NDF: 1074967.4/20

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:2.7/3

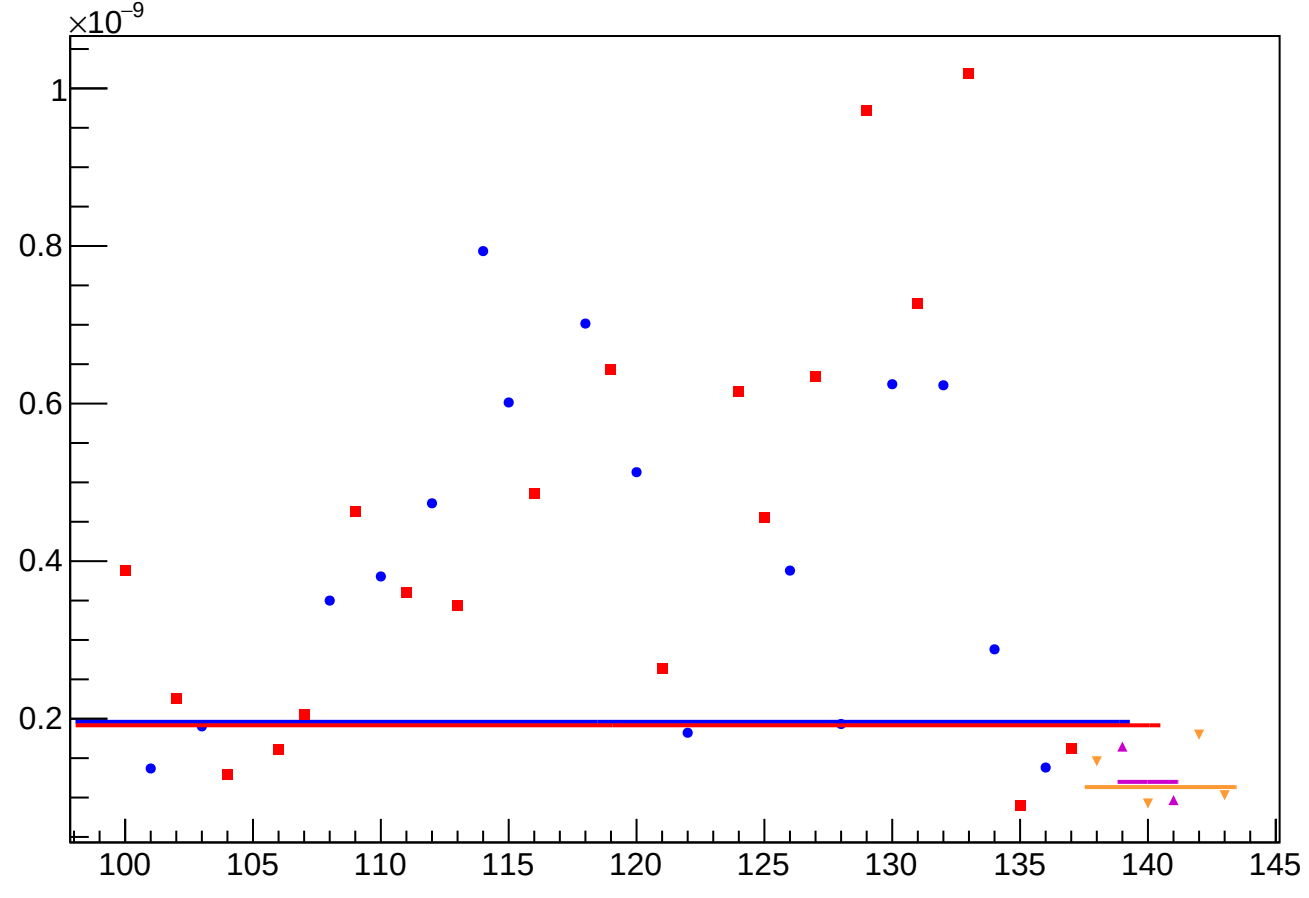
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

+ sign -0.000+/-0.000 χ^2/NDF: 16.4/19

All: -0.000+/-0.000 χ^2/NDF: 39.0/40

- sign -0.000+/-0.000 χ^2/NDF: 22.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:128127.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

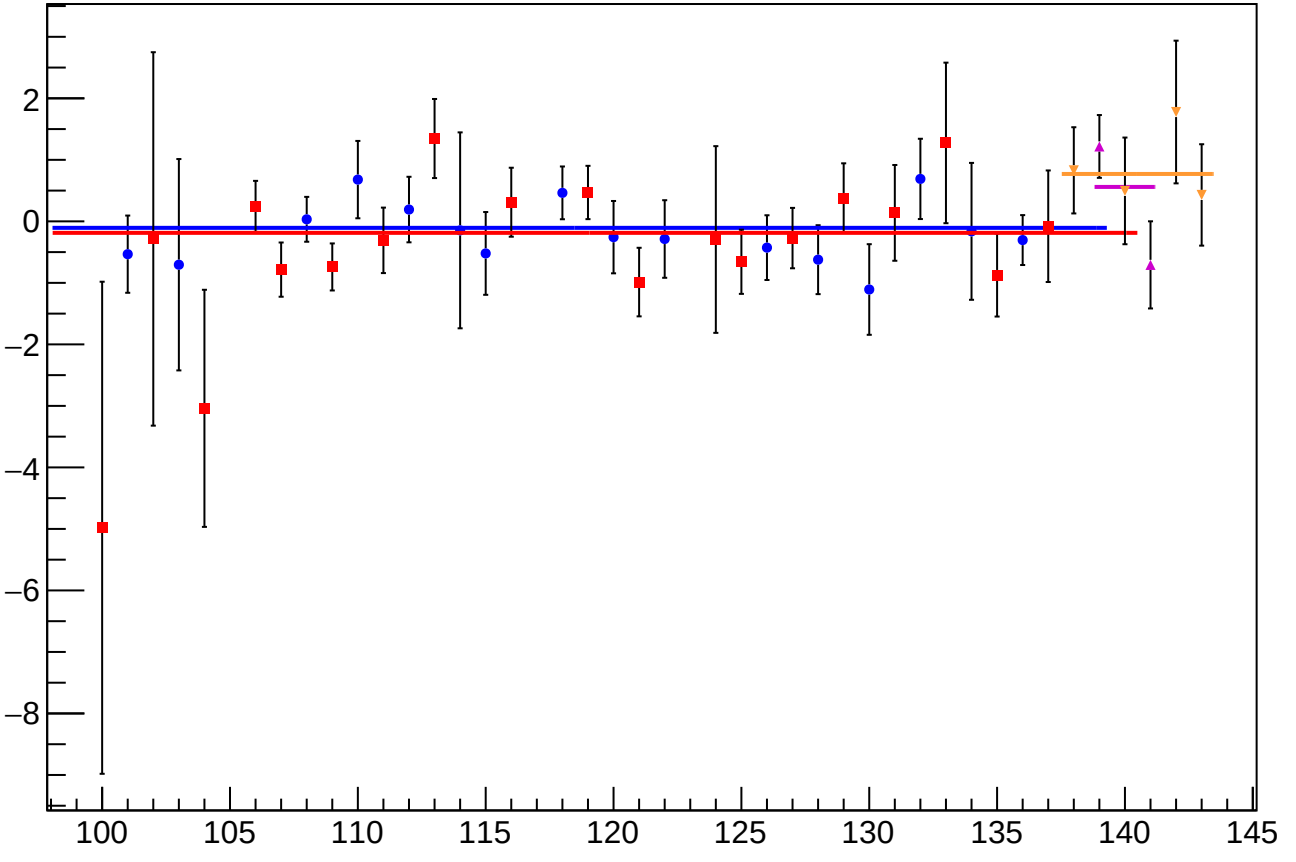
Left In: 0.000+/-0.000 χ^2/NDF:85334.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 1929472.6/19

All: 0.000+/-0.000 χ^2/NDF: 4338202.4/40

- sign 0.000+/-0.000 χ^2/NDF: 2387680.6/20

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

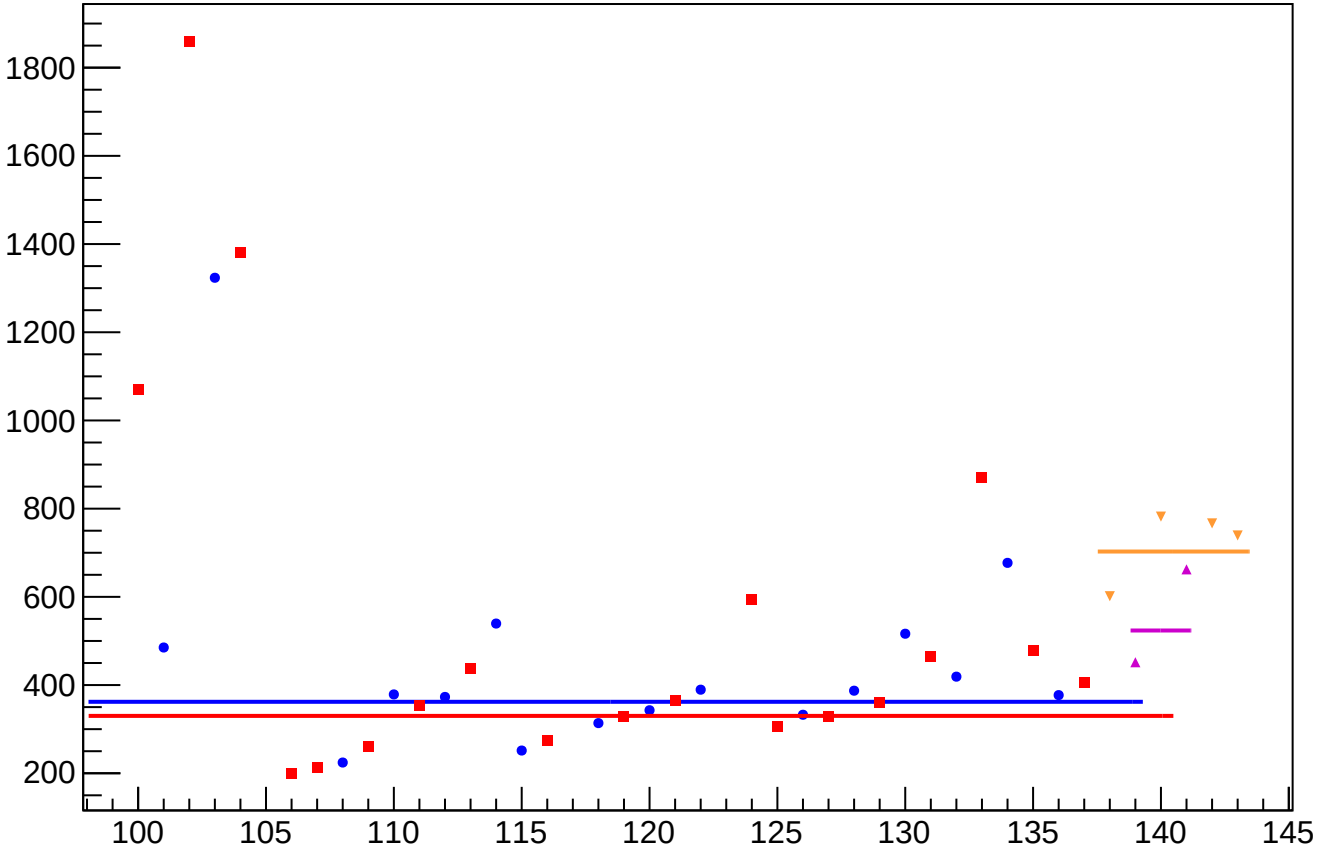
Left In: 0.560+/-0.414 χ^2/NDF:4.9/1

+ sign -0.014+/-0.137 χ^2/NDF: 14.6/19

All: -0.066+/-0.094 χ^2/NDF: 46.5/40

- sign -0.113+/-0.130 χ^2/NDF: 31.6/20

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 702.778+/-0.299 χ^2/NDF:68482.1/3

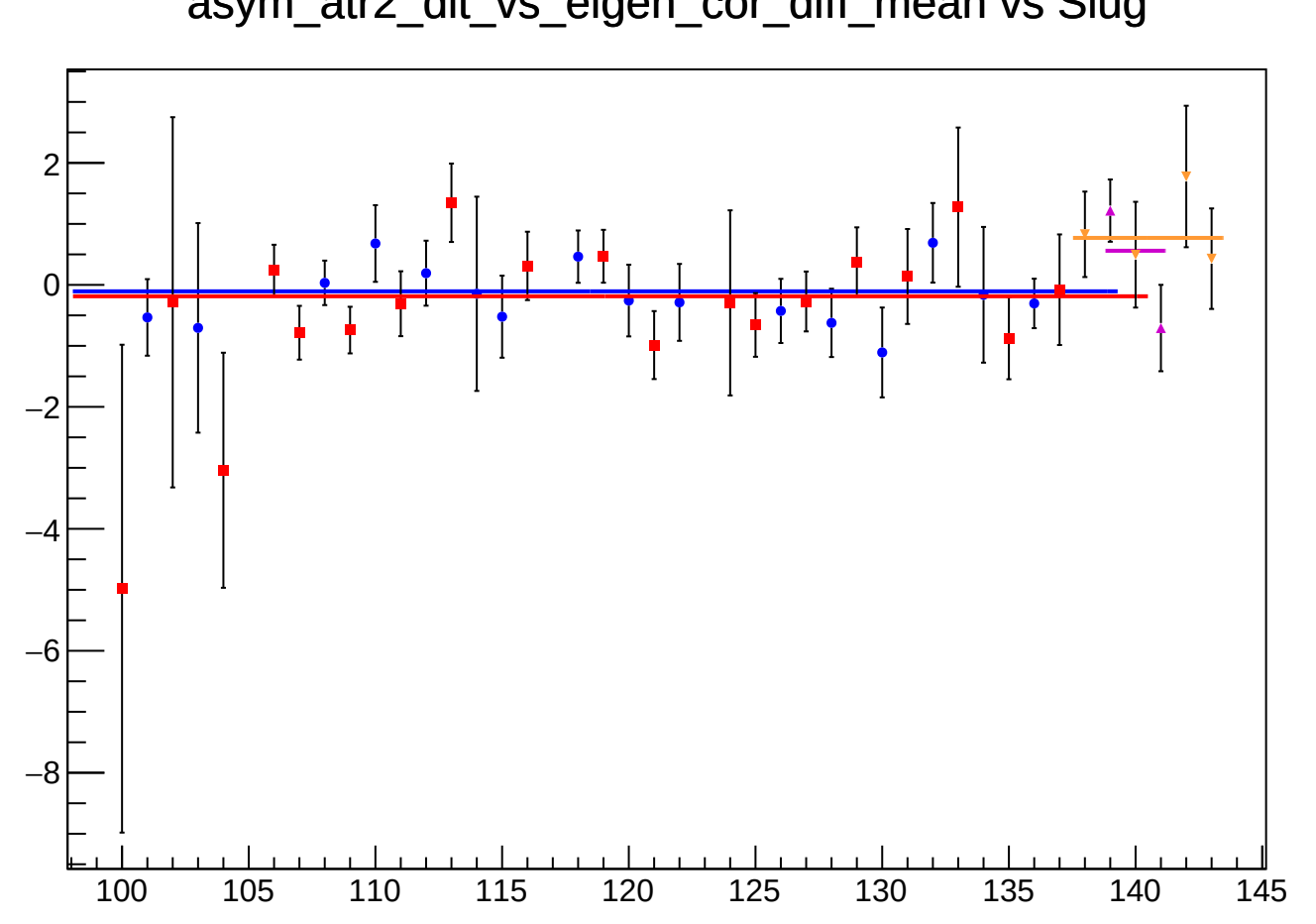
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 523.728+/-0.293 χ^2/NDF:116379.8/1

+ sign 397.690+/-0.097 χ^2/NDF: 2606464.2/19

All: 372.315+/-0.067 χ^2/NDF: 5494296.7/40

- sign 349.287+/-0.092 χ^2/NDF: 2756778.7/20



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

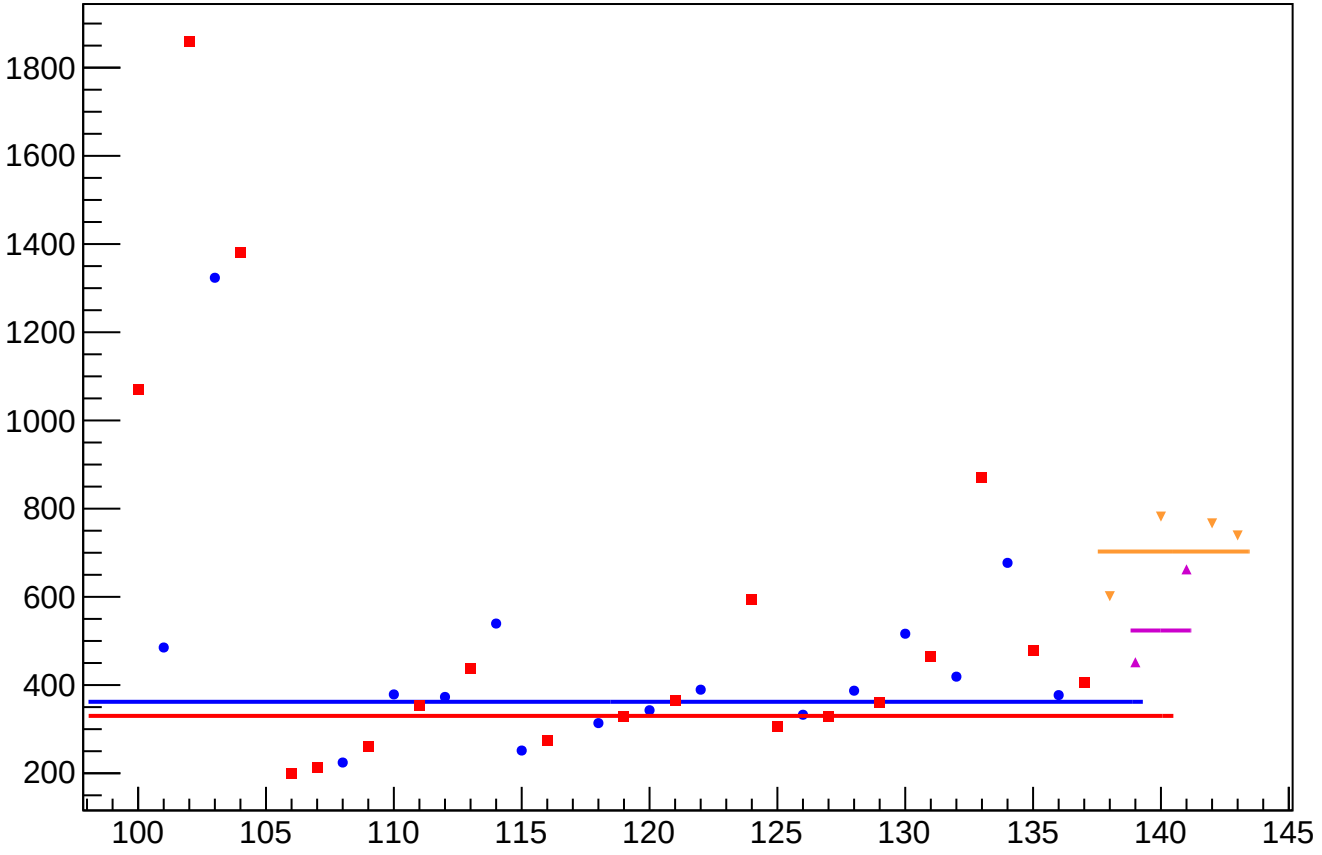
Left In: 0.560+/-0.414 χ^2/NDF:4.9/1

+ sign -0.014+/-0.137 χ^2/NDF: 14.6/19

All: -0.066+/-0.094 χ^2/NDF: 46.5/40

- sign -0.113+/-0.130 χ^2/NDF: 31.6/20

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 702.778+/-0.299 χ^2/NDF:68482.1/3

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

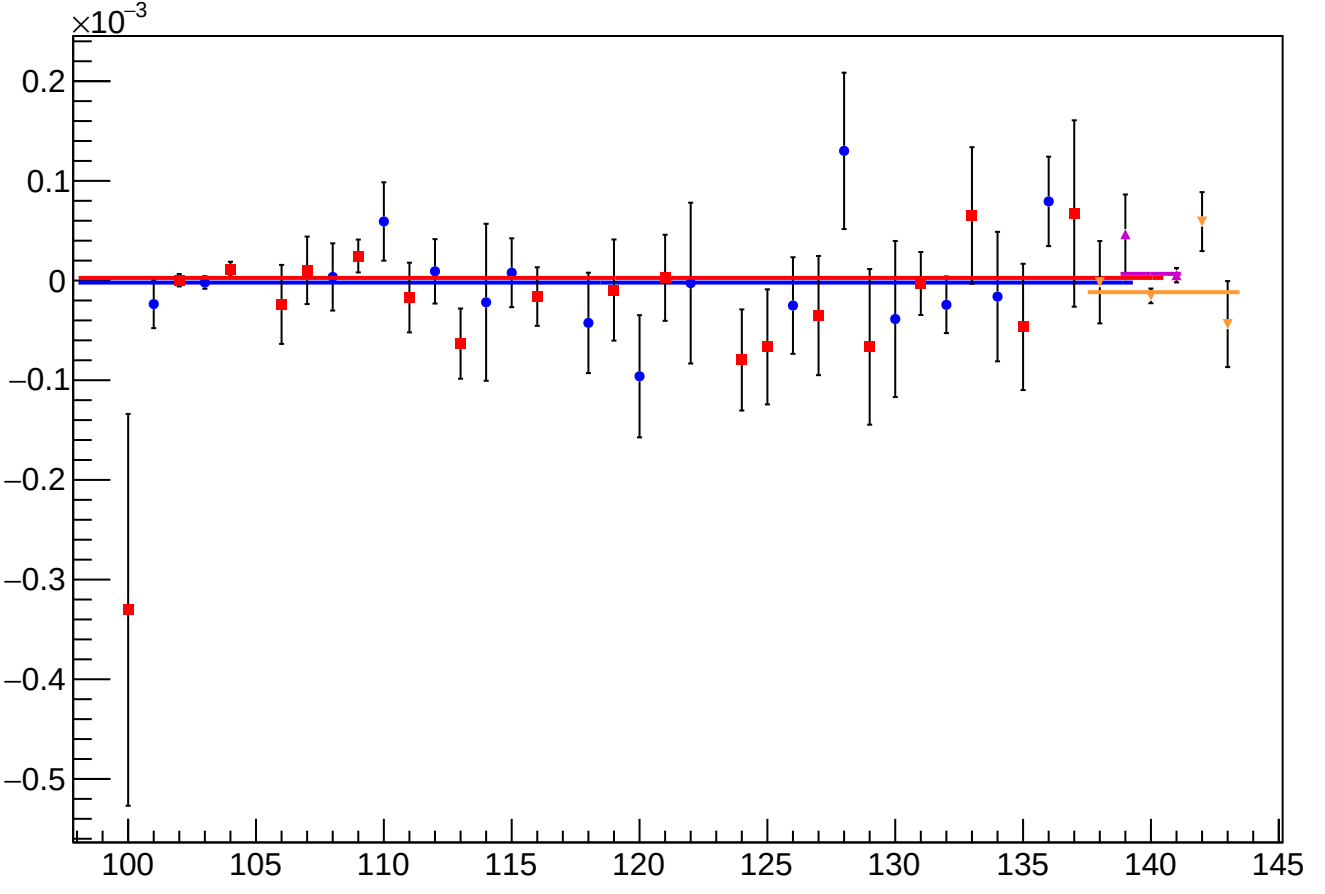
Left In: 523.728+/-0.293 χ^2/NDF:116379.8/1

+ sign 397.690+/-0.097 χ^2/NDF: 2606464.2/19

All: 372.315+/-0.067 χ^2/NDF: 5494296.7/40

- sign 349.287+/-0.092 χ^2/NDF: 2756778.7/20

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:6.6/3

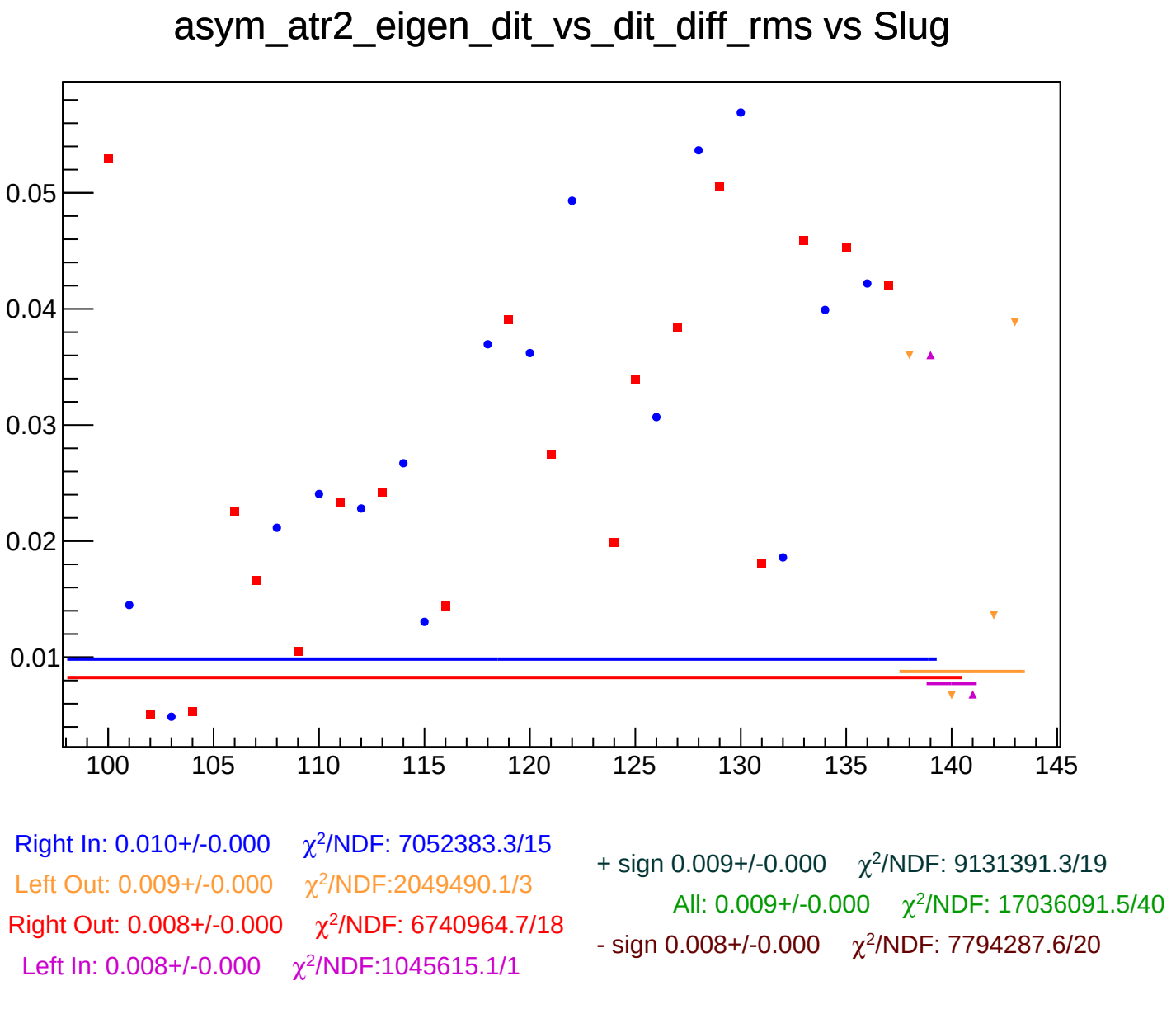
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

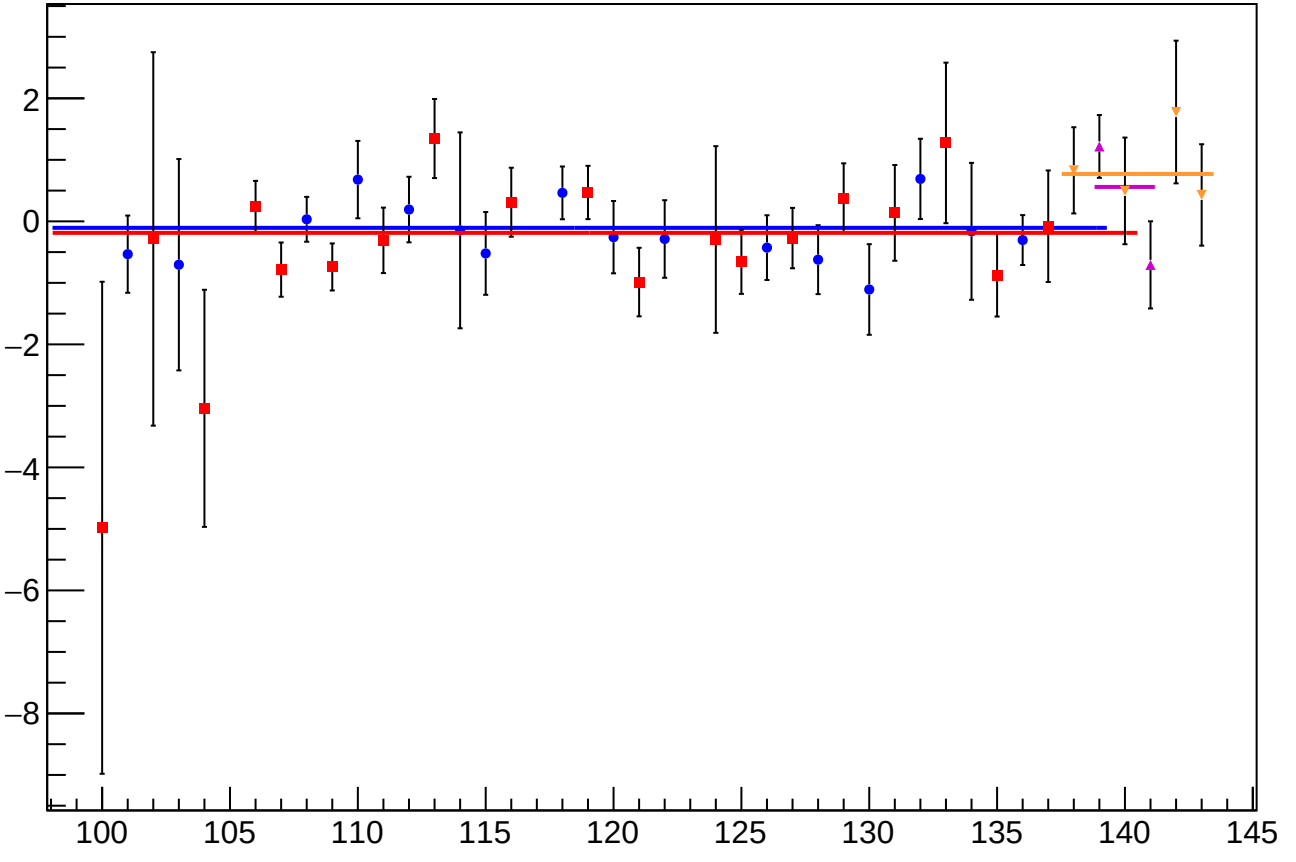
+ sign -0.000+/-0.000 χ^2/NDF: 21.5/19

All: -0.000+/-0.000 χ^2/NDF: 43.8/40

- sign 0.000+/-0.000 χ^2/NDF: 19.5/20


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
105
110
115
120
125
130
135
140
145
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.009+/-0.000 χ²/NDF:2049490.1/3
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.008+/-0.000 χ²/NDF:1045615.1/1
+ sign 0.009+/-0.000 χ²/NDF: 9131391.3/19
All: 0.009+/-0.000 χ²/NDF: 17036091.5/40
- sign 0.008+/-0.000 χ²/NDF: 7794287.6/20

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

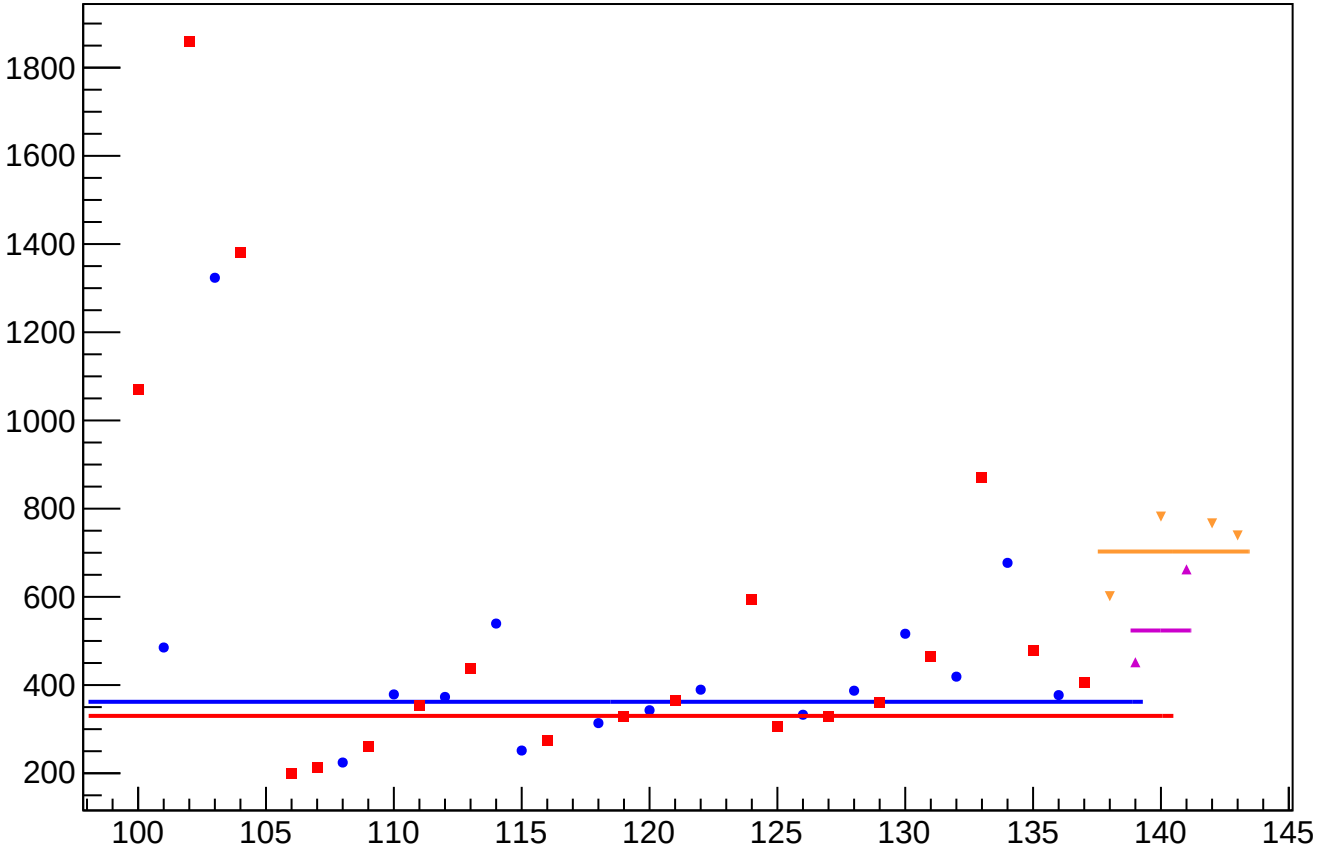
Left In: 0.560+/-0.414 χ^2/NDF:4.9/1

+ sign -0.014+/-0.137 χ^2/NDF: 14.6/19

All: -0.066+/-0.094 χ^2/NDF: 46.5/40

- sign -0.113+/-0.130 χ^2/NDF: 31.6/20

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 702.787+/-0.299 χ^2/NDF:68475.4/3

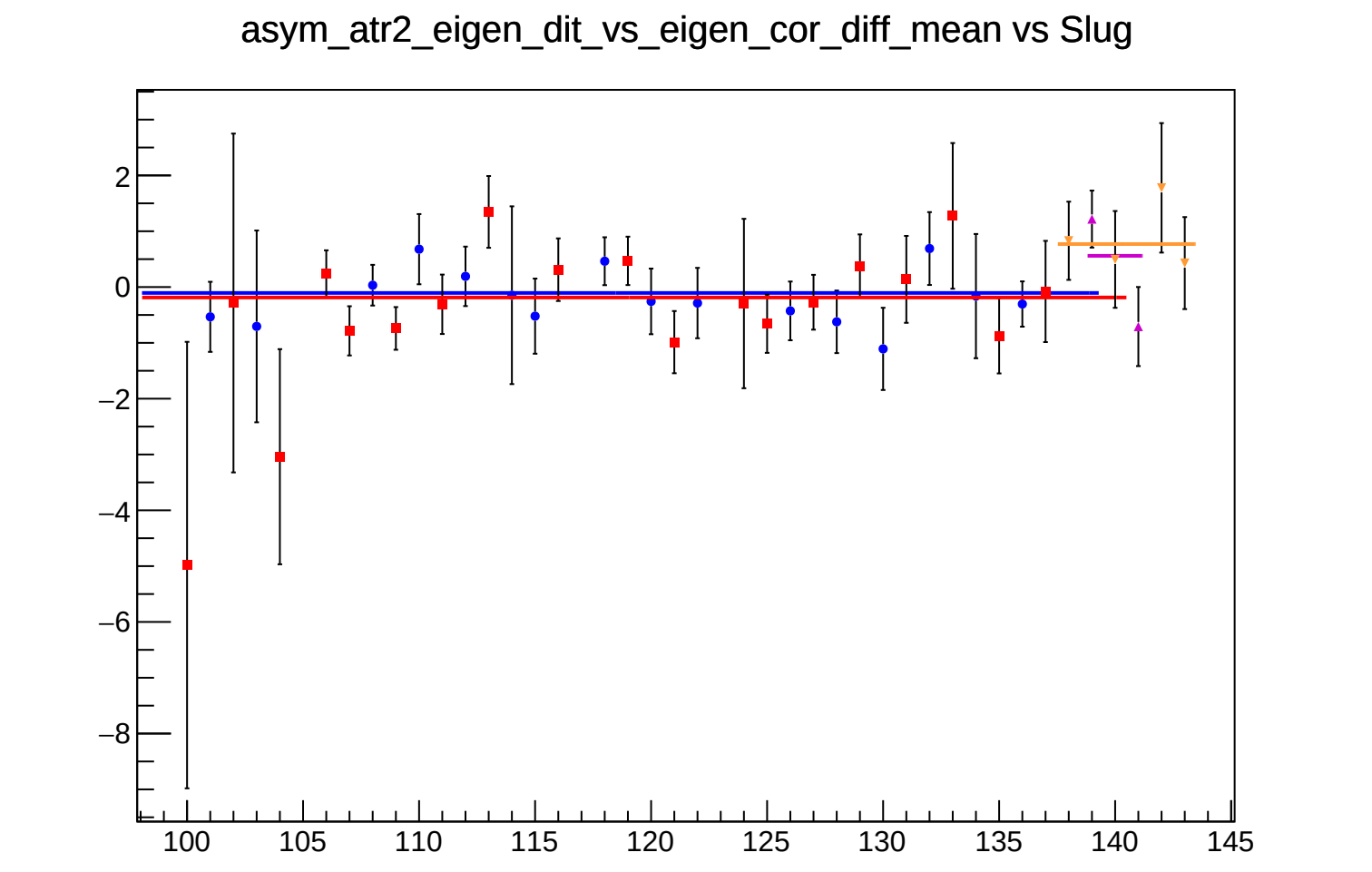
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 523.734+/-0.293 χ^2/NDF:116368.1/1

+ sign 397.687+/-0.097 χ^2/NDF: 2606516.1/19

All: 372.313+/-0.067 χ^2/NDF: 5494344.1/40

- sign 349.286+/-0.092 χ^2/NDF: 2756781.5/20



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

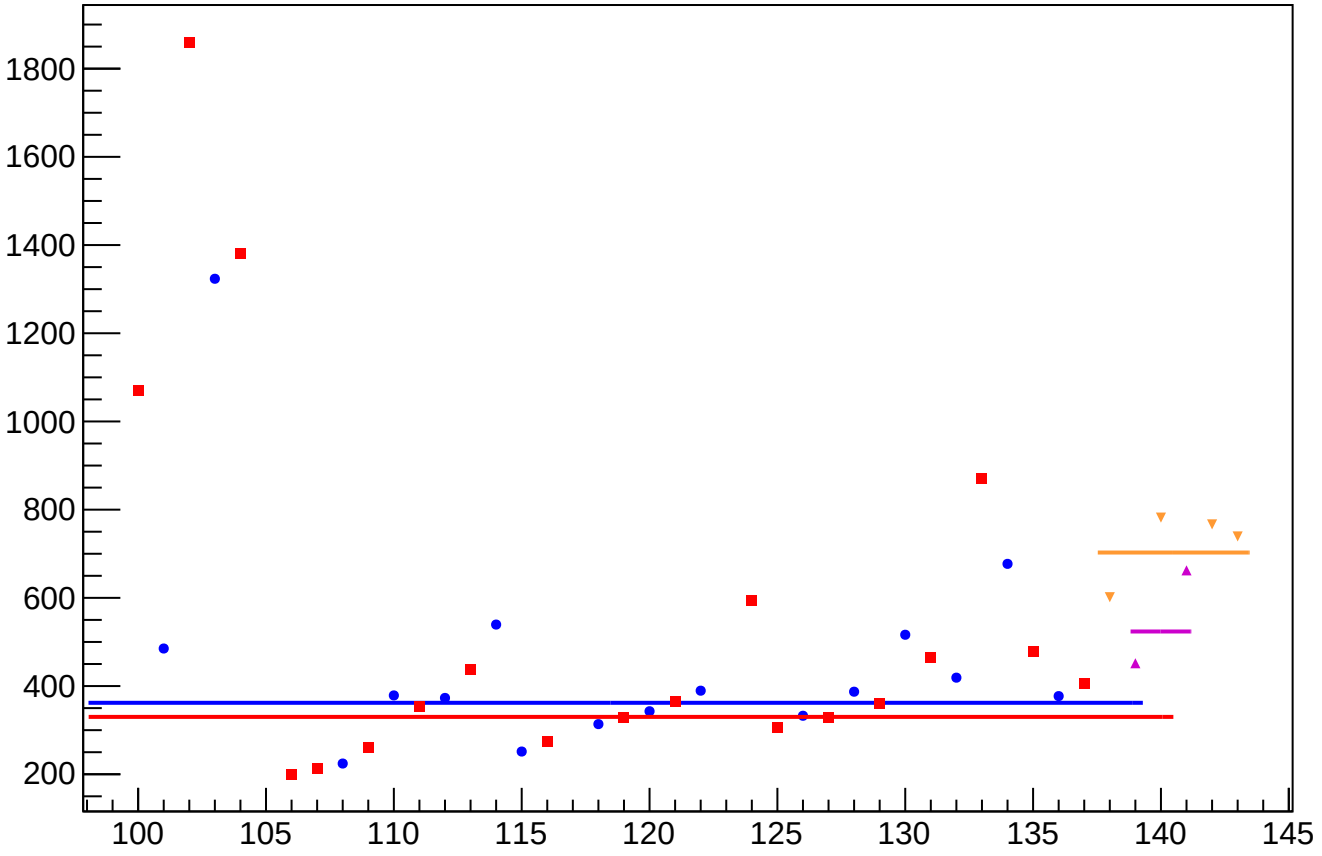
Left In: 0.560+/-0.414 χ^2/NDF:4.9/1

\+ sign -0.014+/-0.137 χ^2/NDF: 14.6/19

All: -0.066+/-0.094 χ^2/NDF: 46.5/40

\- sign -0.113+/-0.130 χ^2/NDF: 31.6/20

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 702.787+/-0.299 χ^2/NDF:68475.4/3

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

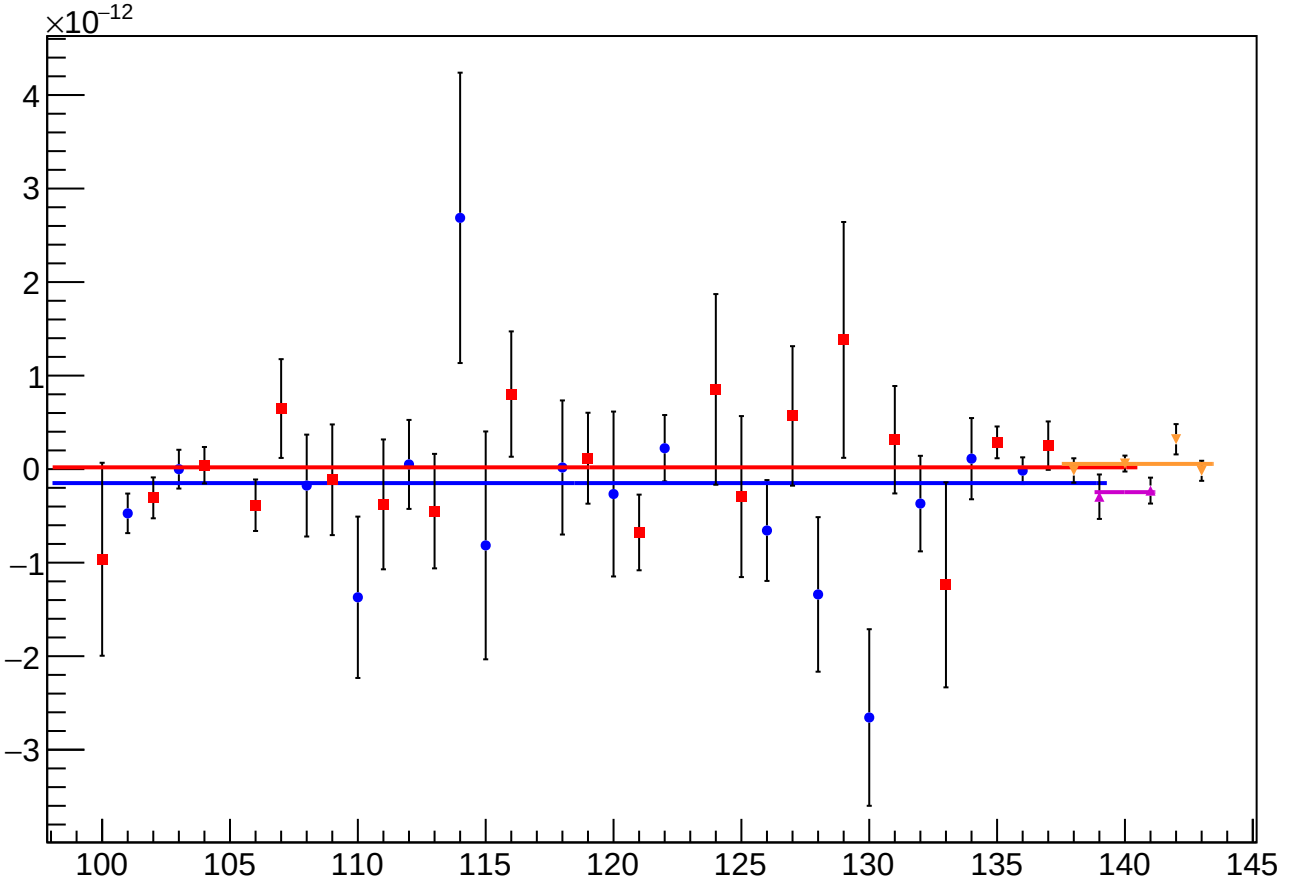
Left In: 523.734+/-0.293 χ^2/NDF:116368.1/1

+ sign 397.687+/-0.097 χ^2/NDF: 2606516.1/19

All: 372.313+/-0.067 χ^2/NDF: 5494344.1/40

- sign 349.286+/-0.092 χ^2/NDF: 2756781.5/20

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:3.4/3

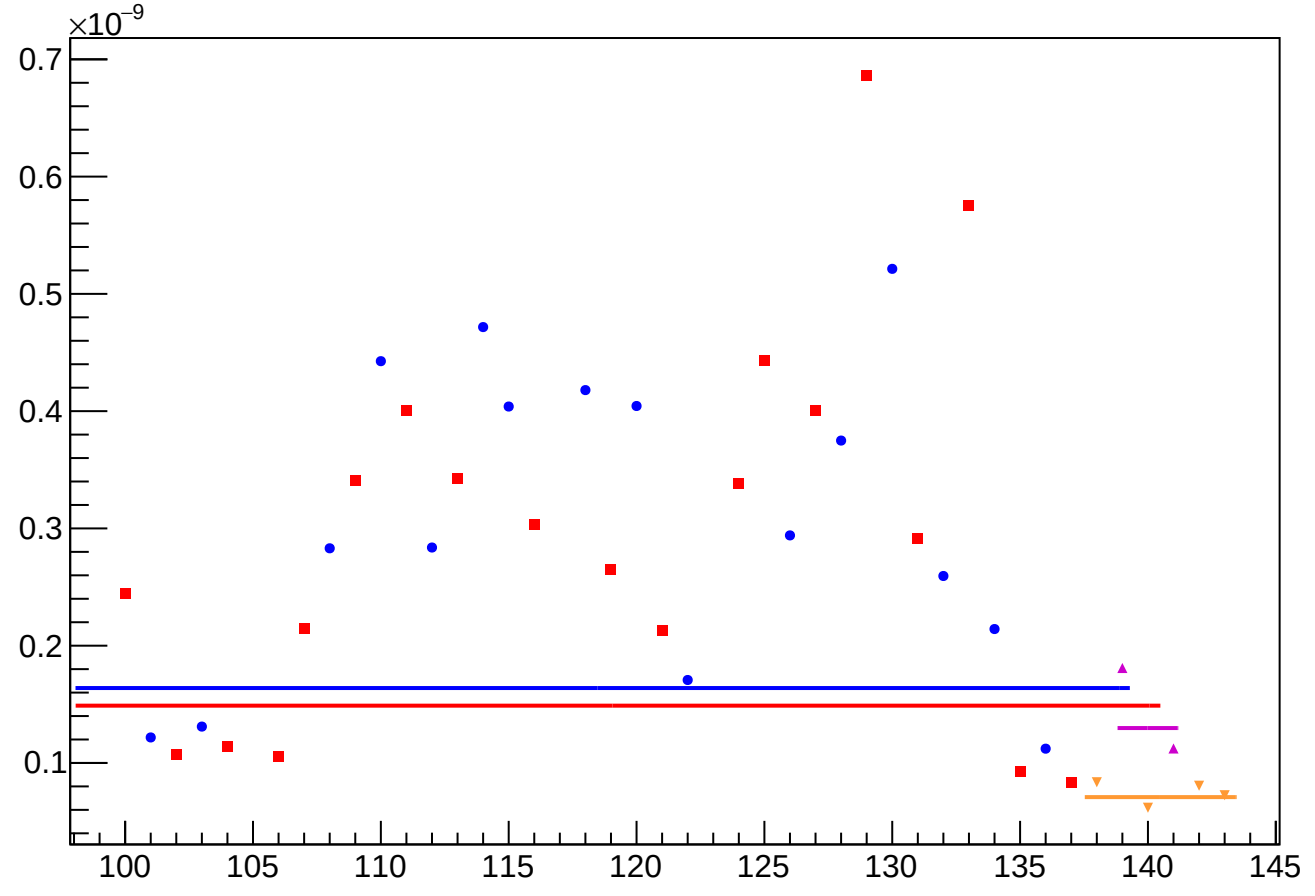
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/19

All: -0.000+/-0.000 χ^2/NDF: 52.0/40

- sign -0.000+/-0.000 χ^2/NDF: 22.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:49038.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

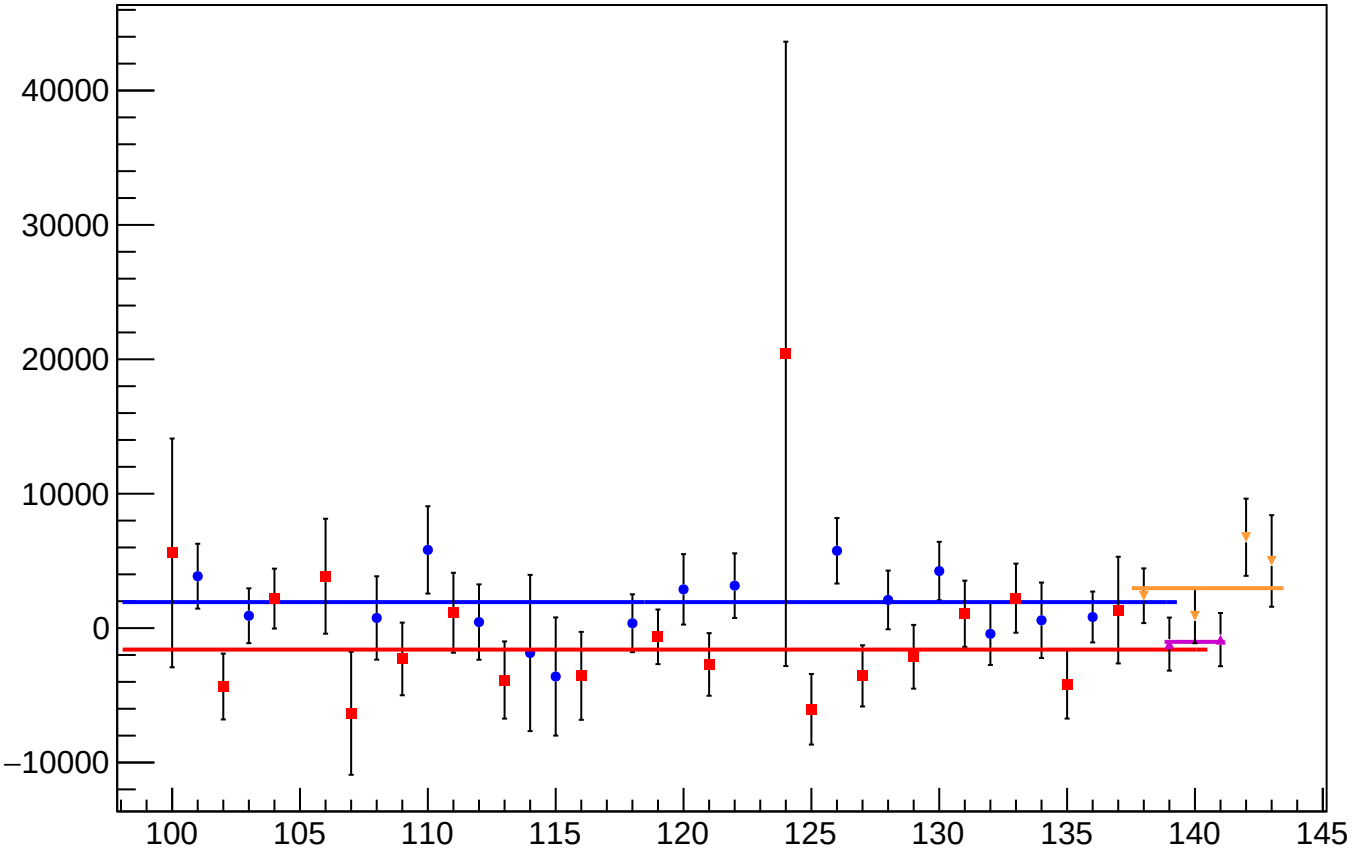
Left In: 0.000+/-0.000 χ^2/NDF:124534.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 3673022.9/19

All: 0.000+/-0.000 χ^2/NDF: 7259184.8/40

- sign 0.000+/-0.000 χ^2/NDF: 3005032.3/20

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.285+/-1203.531 χ^2/NDF:3.2/3

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

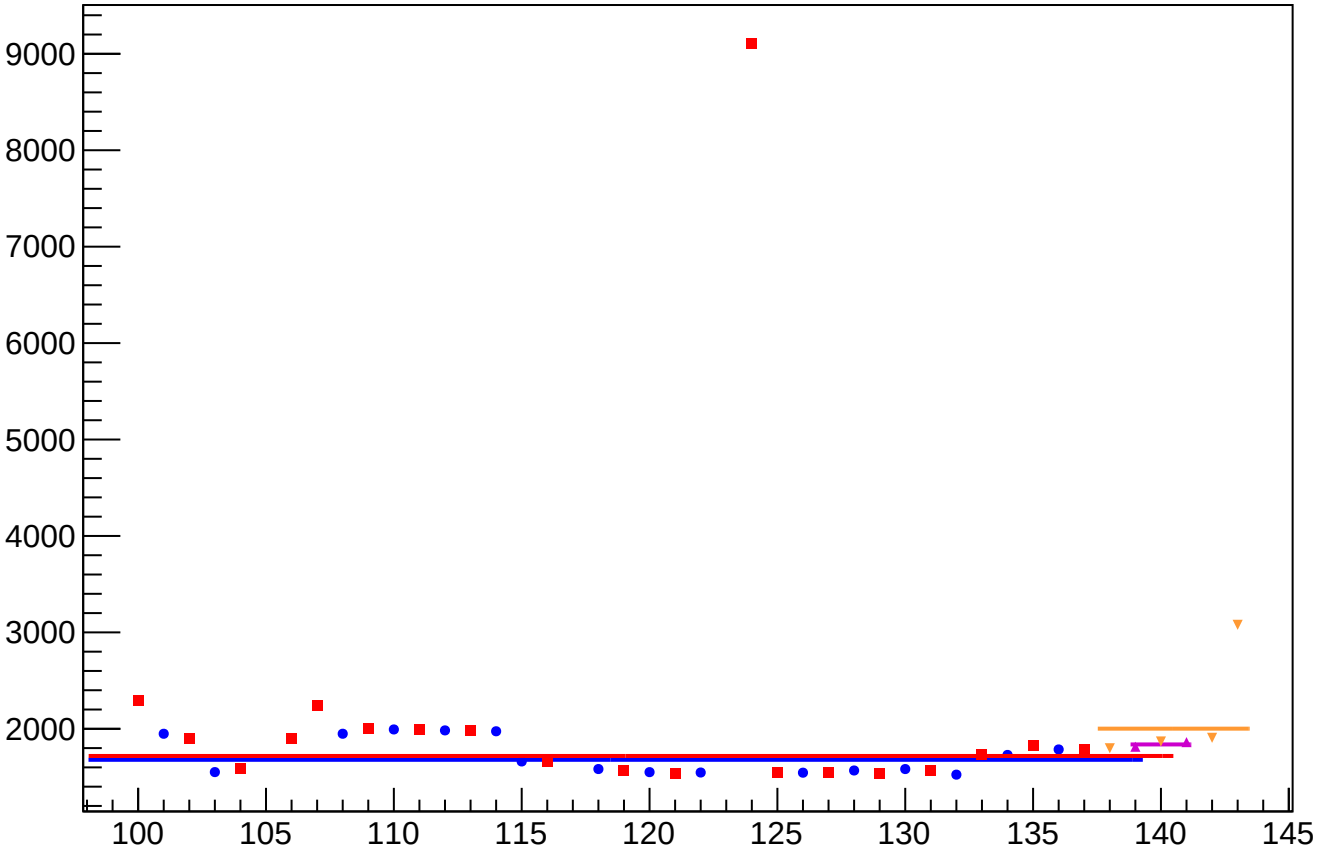
Left In: -1023.008+/-1397.568 χ^2/NDF:0.0/1

+ sign 2156.722+/-556.674 χ^2/NDF: 14.7/19

All: 415.576+/-402.793 χ^2/NDF: 54.8/40

- sign -1497.721+/-583.545 χ^2/NDF: 19.6/20

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

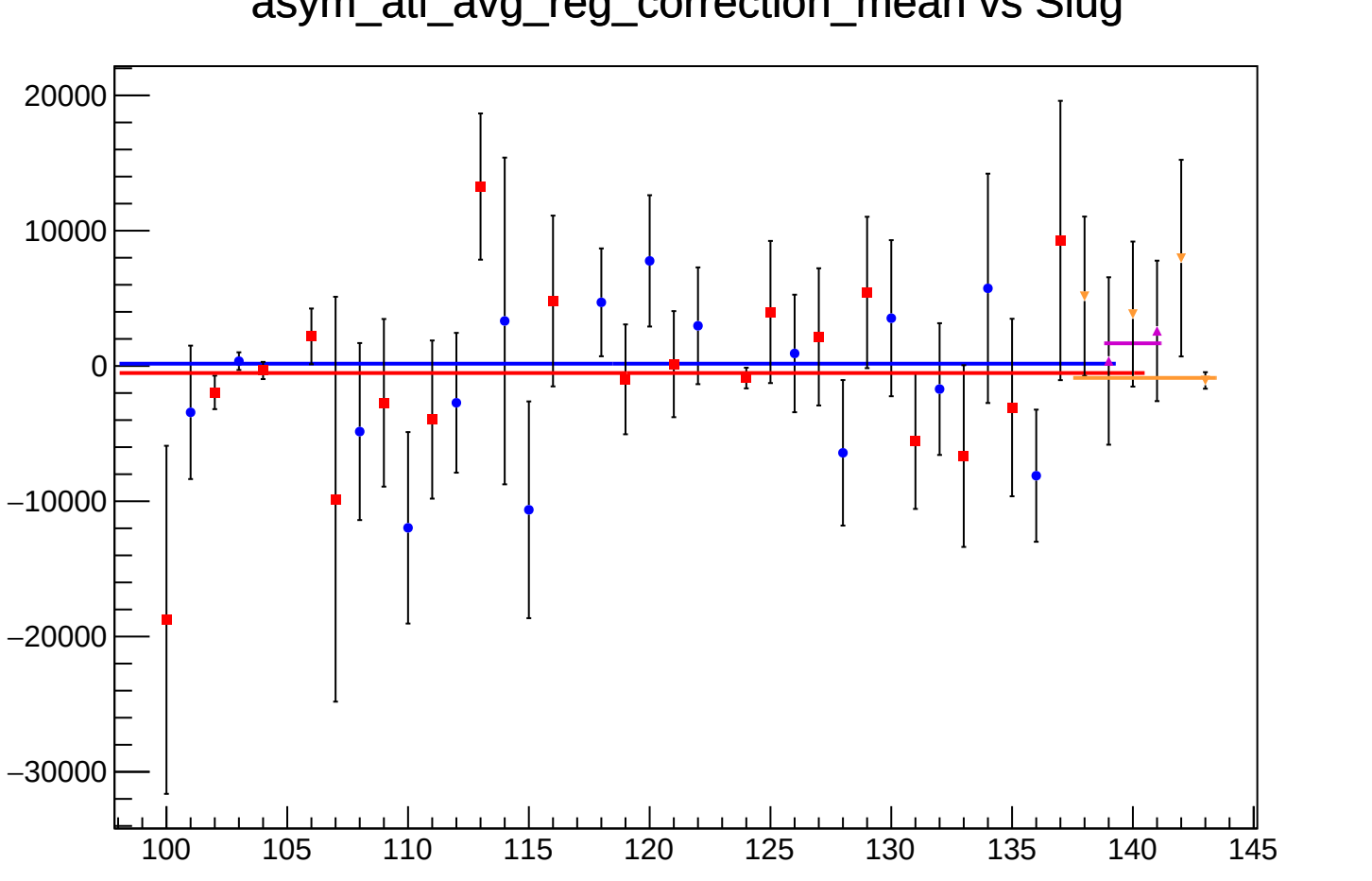
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

\+ sign 1747.650+/-0.394 χ^2/NDF: 485210.8/19

All: 1743.517+/-0.284 χ^2/NDF: 881332.9/40

\- sign 1739.011+/-0.411 χ^2/NDF: 395891.7/20



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -881.120+/-601.212 χ^2/NDF:3.4/3

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

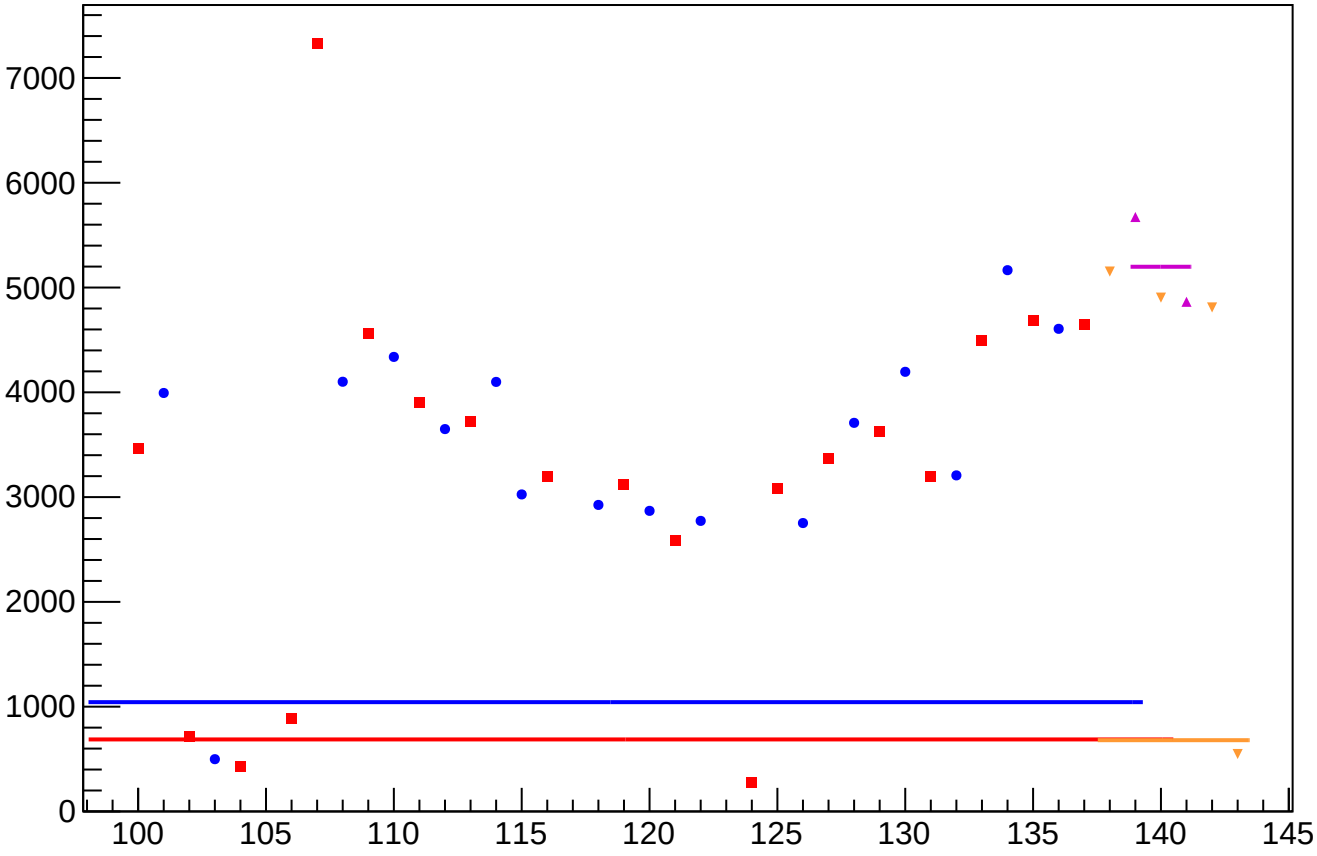
Left In: 1674.422+/-3977.504 χ^2/NDF:0.1/1

+ sign -347.969+/-421.684 χ^2/NDF: 20.8/19

All: -422.023+/-298.422 χ^2/NDF: 39.8/40

- sign -496.322+/-422.381 χ^2/NDF: 18.9/20

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 680.141+/-0.425 χ^2/NDF:3135173.6/3

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

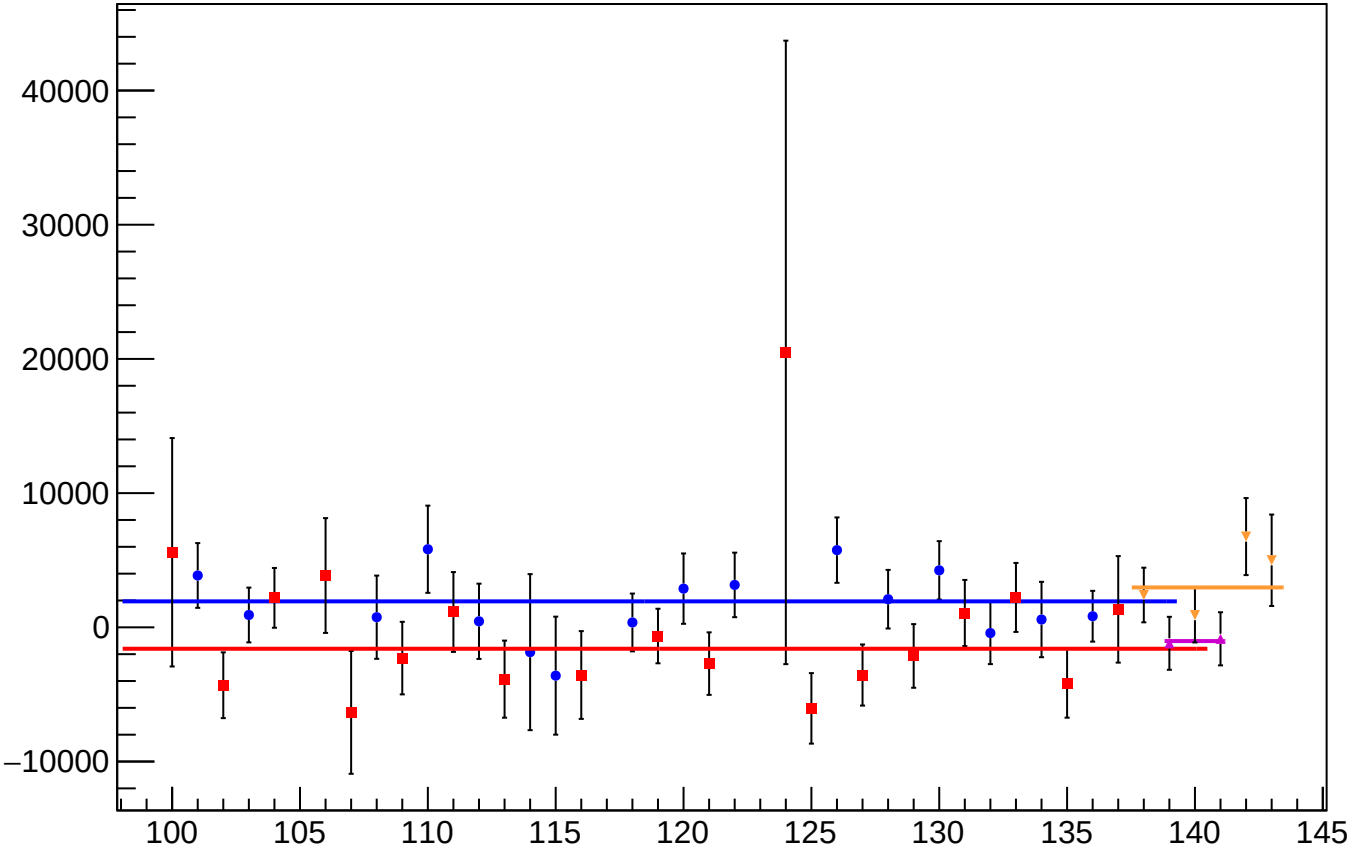
Left In: 5198.362+/-2.813 χ^2/NDF:20064.6/1

+ sign 864.552+/-0.298 χ^2/NDF: 11617442.8/19

All: 801.480+/-0.211 χ^2/NDF: 22902193.7/40

- sign 738.199+/-0.299 χ^2/NDF: 11195116.3/20

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.504+/-1203.531 χ^2/NDF:3.2/3

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

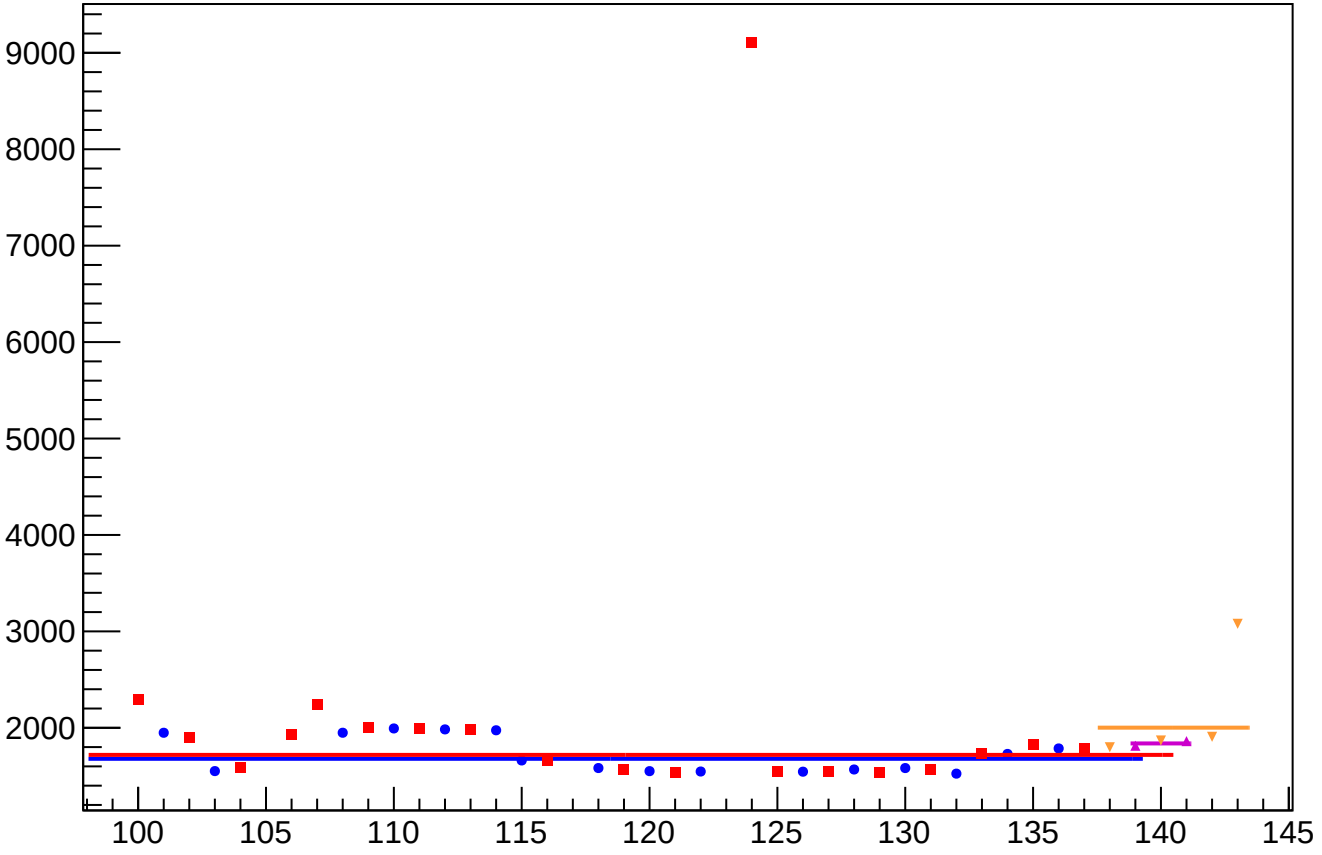
Left In: -1023.162+/-1397.568 χ^2/NDF:0.0/1

+ sign 2156.860+/-556.674 χ^2/NDF: 14.7/19

All: 416.607+/-402.794 χ^2/NDF: 54.7/40

- sign -1495.733+/-583.549 χ^2/NDF: 19.5/20

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

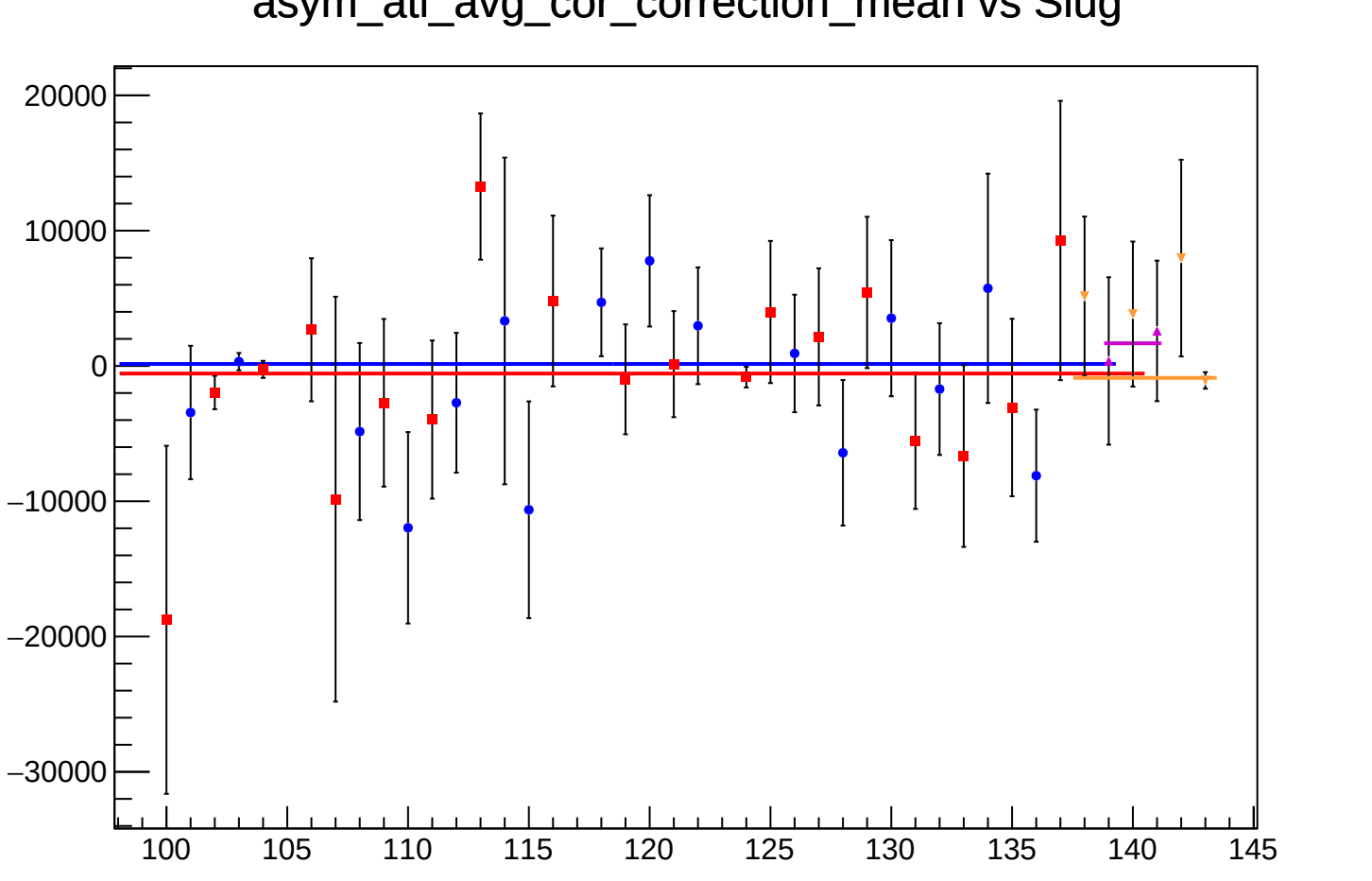
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

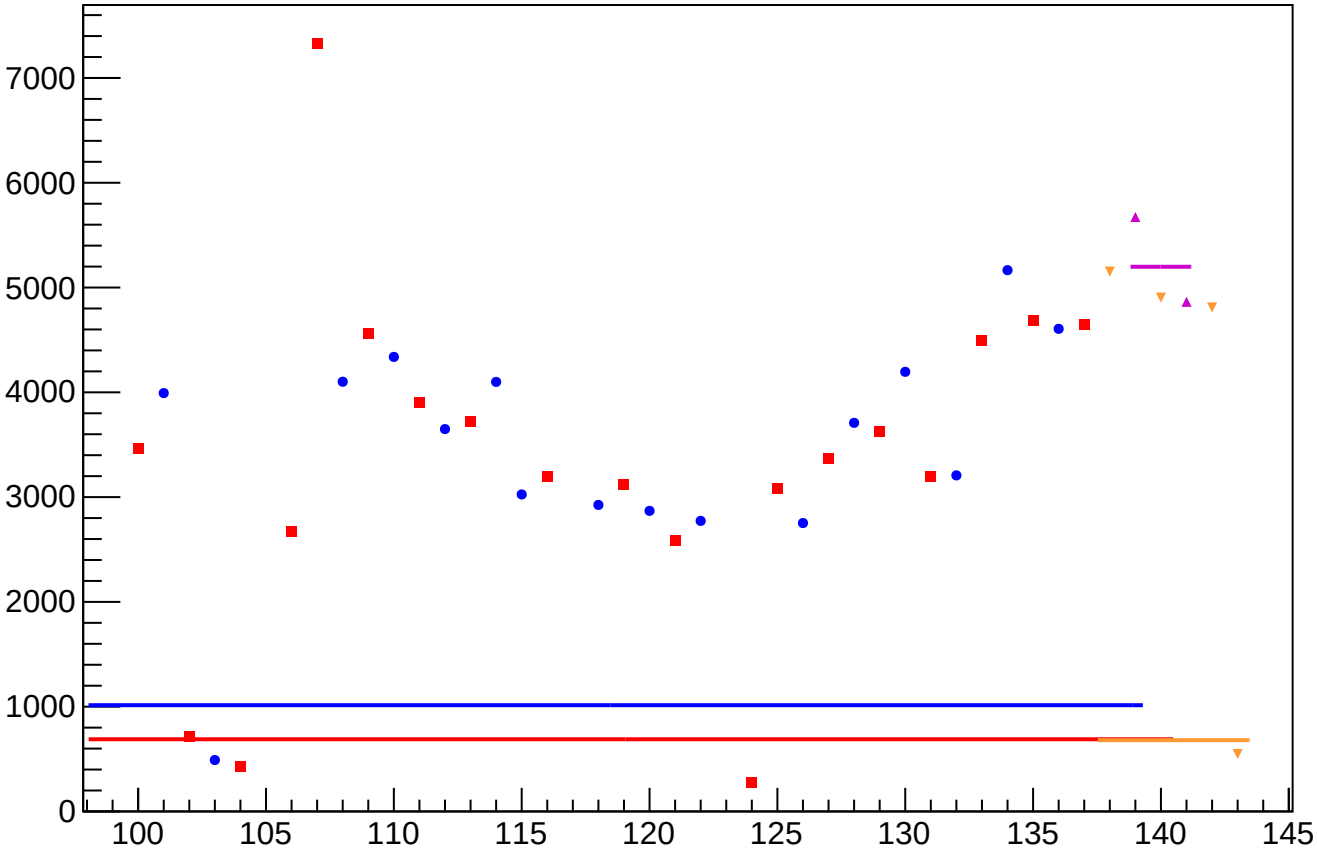
+ sign 1747.650+/-0.394 χ^2/NDF: 485211.0/19

All: 1743.857+/-0.284 χ^2/NDF: 882869.4/40

- sign 1739.718+/-0.411 χ^2/NDF: 397464.2/20


asym_atl_avg_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 146.548+/-579.356 χ²/NDF: 15.8/15
Left Out: -880.723+/-601.188 χ²/NDF:3.4/3
Right Out: -561.454+/-430.621 χ²/NDF: 17.2/18
Left In: 1674.325+/-3977.502 χ²/NDF:0.1/1
+ sign -348.097+/-417.171 χ²/NDF: 20.7/19
All: -439.397+/-298.780 χ²/NDF: 38.4/40
- sign -535.552+/-428.120 χ²/NDF: 17.6/20

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 680.110+/-0.425 χ^2/NDF:3135214.5/3

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

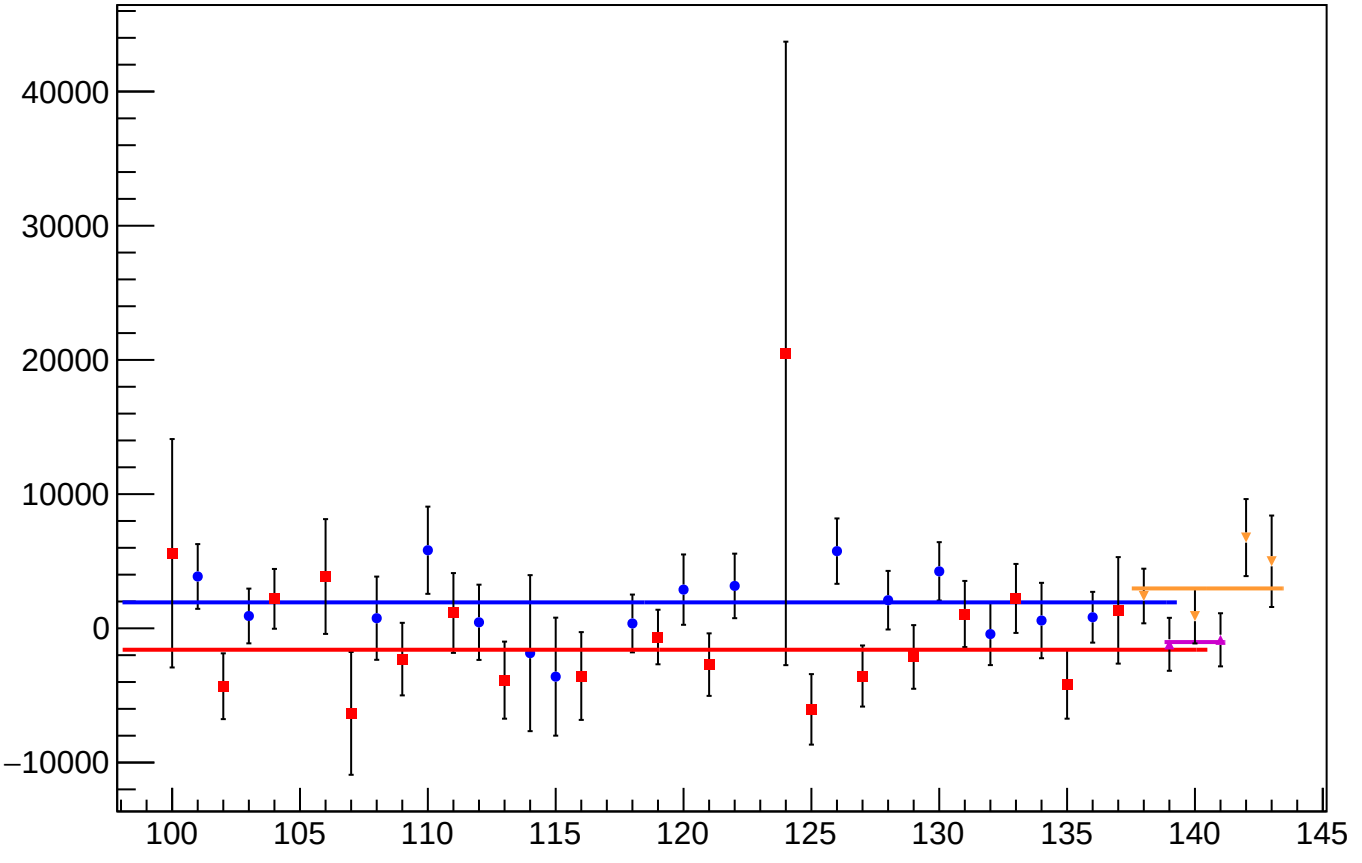
Left In: 5198.359+/-2.813 χ^2/NDF:20064.9/1

+ sign 853.276+/-0.295 χ^2/NDF: 11678268.9/19

All: 798.737+/-0.211 χ^2/NDF: 23219667.3/40

- sign 741.296+/-0.303 χ^2/NDF: 11471211.7/20

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.504+/-1203.531 χ^2/NDF:3.2/3

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

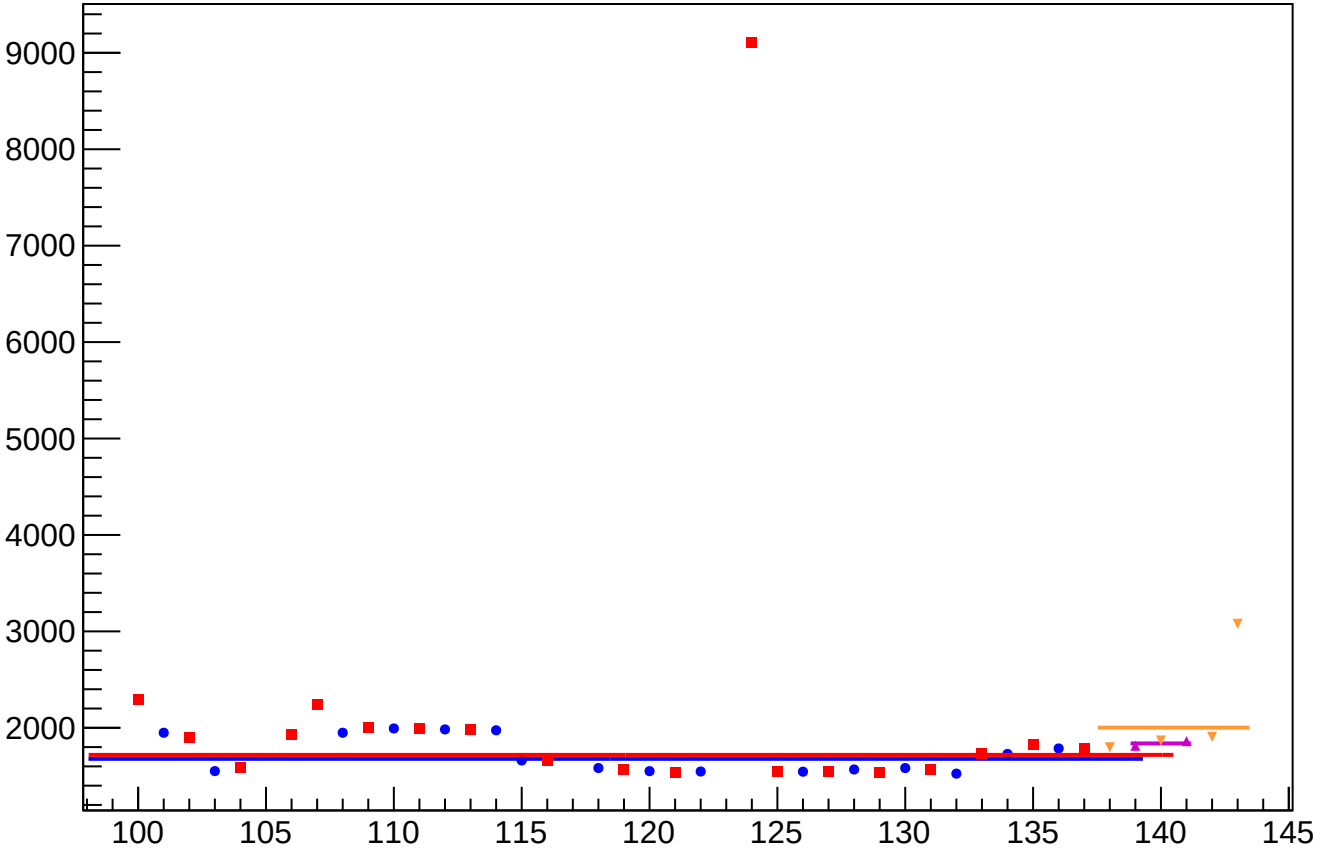
Left In: -1023.162+/-1397.568 χ^2/NDF:0.0/1

+ sign 2156.860+/-556.674 χ^2/NDF: 14.7/19

All: 416.607+/-402.794 χ^2/NDF: 54.7/40

- sign -1495.733+/-583.549 χ^2/NDF: 19.5/20

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

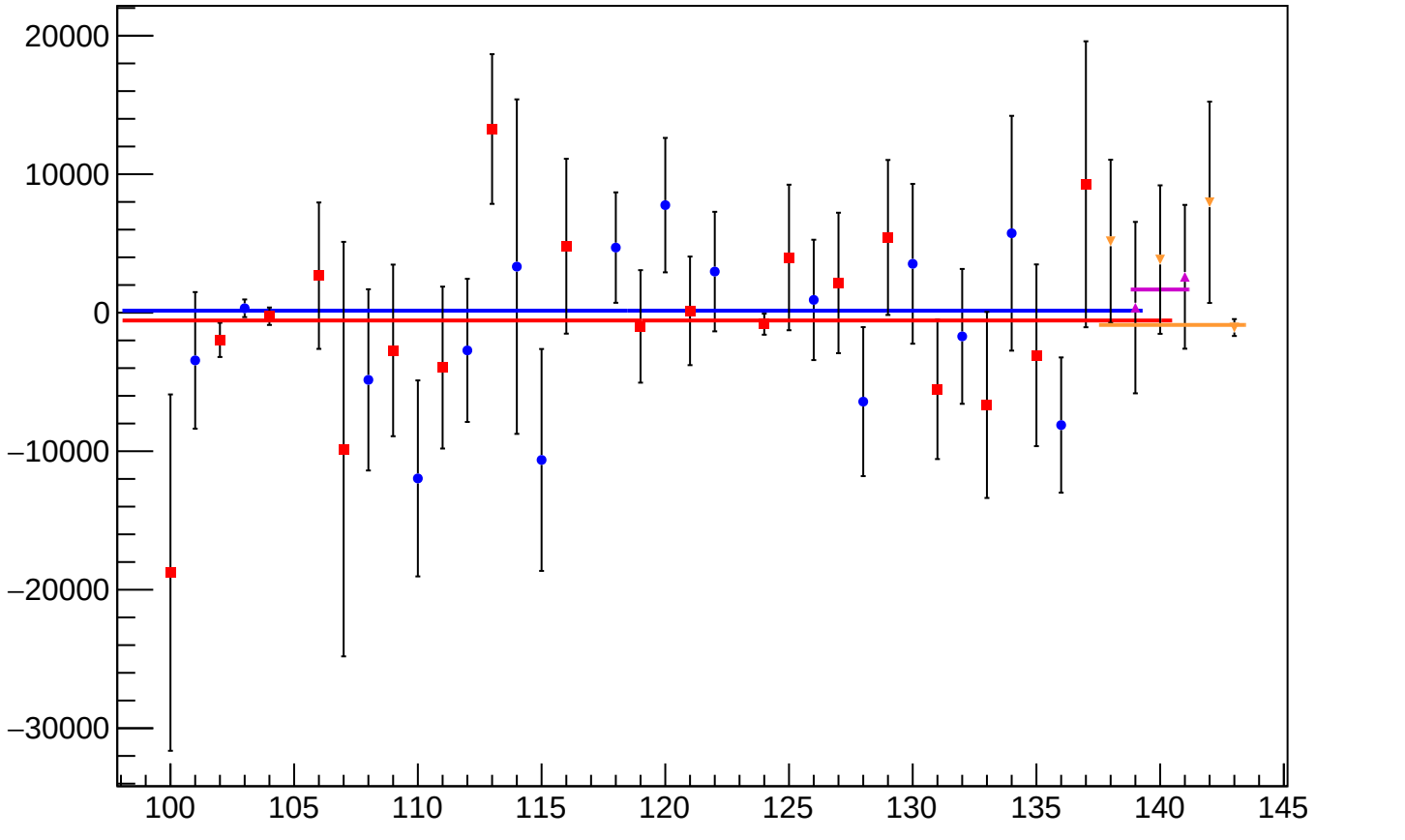
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

+ sign 1747.650+/-0.394 χ^2/NDF: 485211.0/19

All: 1743.857+/-0.284 χ^2/NDF: 882869.4/40

- sign 1739.718+/-0.411 χ^2/NDF: 397464.2/20



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -880.723+/-601.188 χ^2/NDF:3.4/3

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

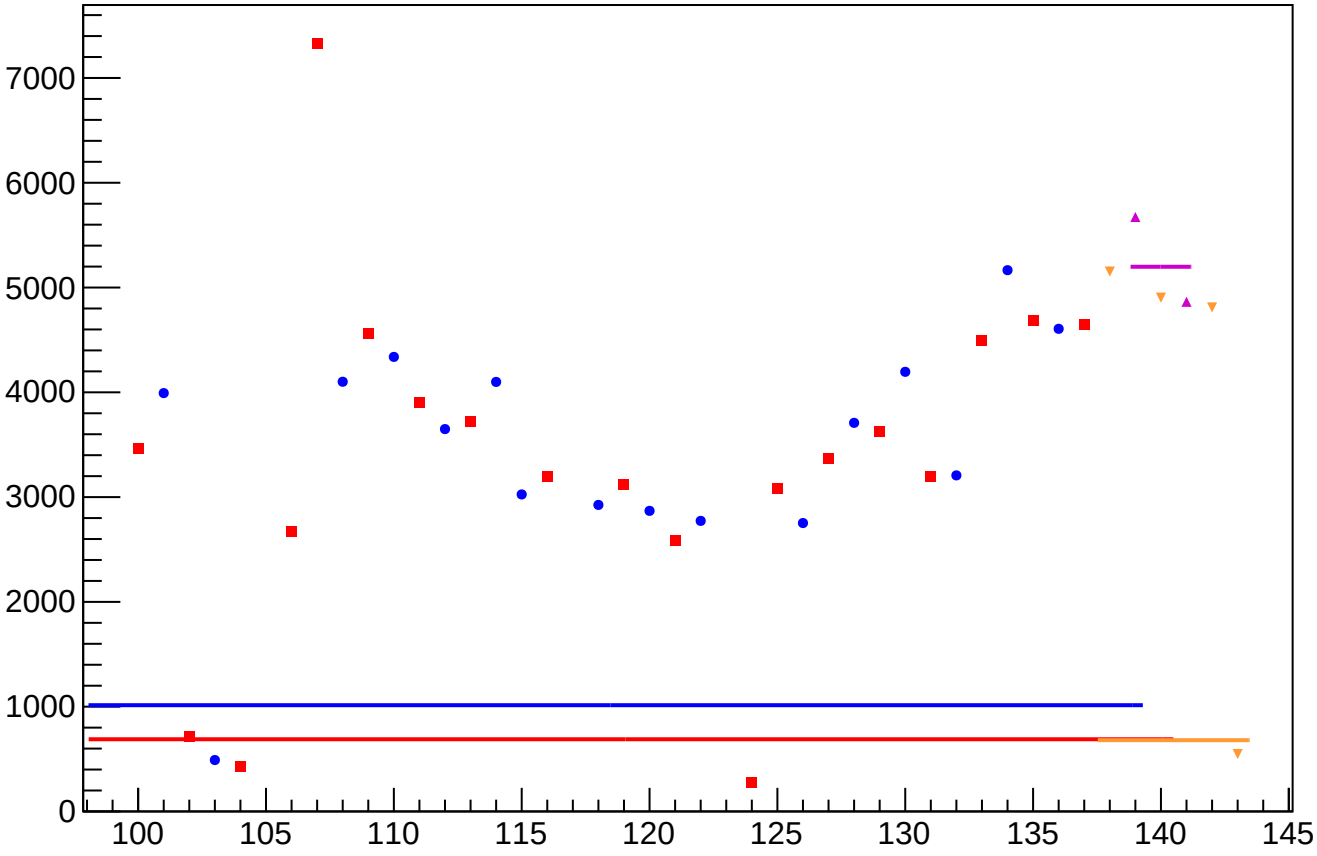
Left In: 1674.325+/-3977.502 χ^2/NDF:0.1/1

+ sign -348.097+/-417.171 χ^2/NDF: 20.7/19

All: -439.397+/-298.780 χ^2/NDF: 38.4/40

- sign -535.552+/-428.120 χ^2/NDF: 17.6/20

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 680.110+/-0.425 χ^2/NDF:3135214.5/3

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

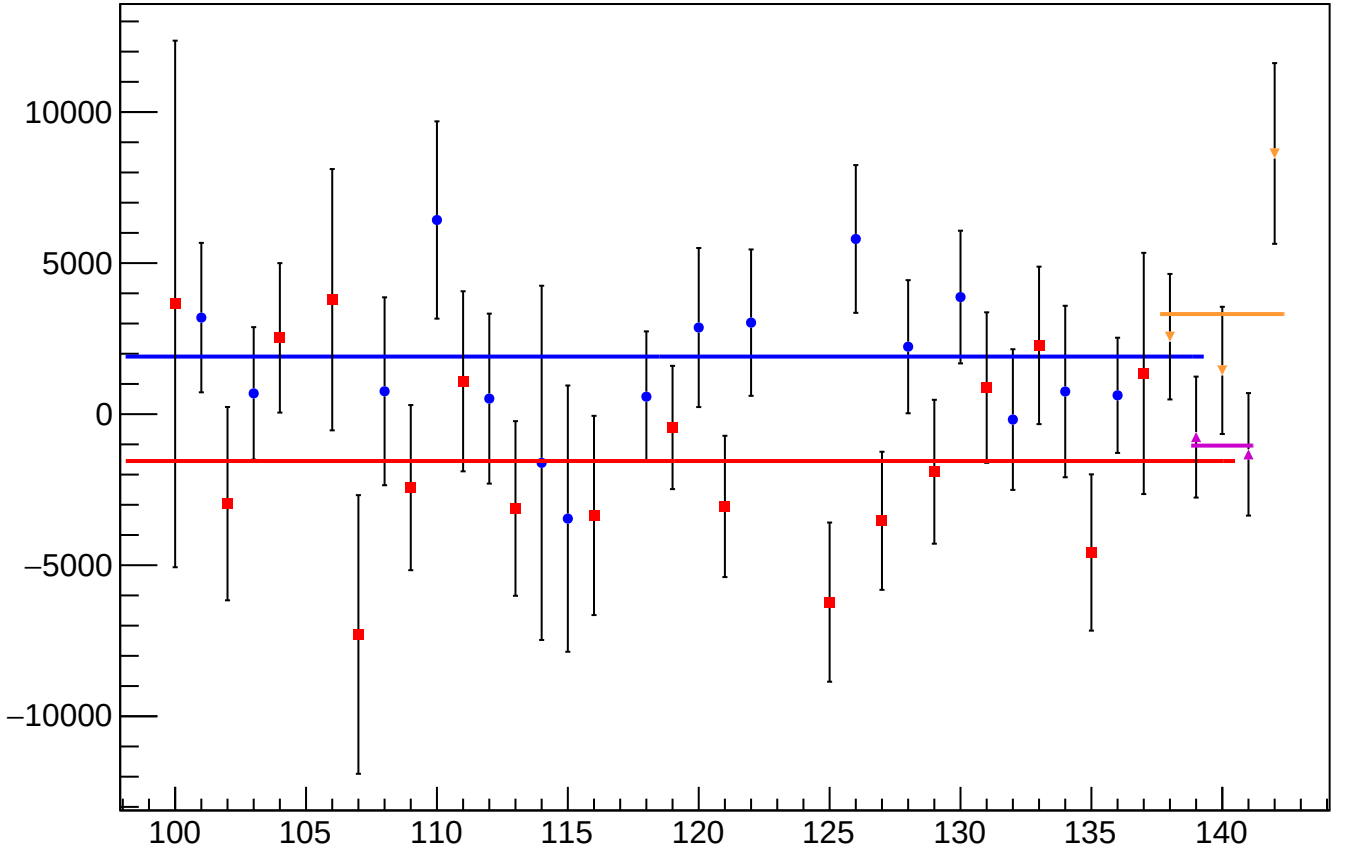
Left In: 5198.359+/-2.813 χ^2/NDF:20064.9/1

+ sign 853.276+/-0.295 χ^2/NDF: 11678268.9/19

All: 798.737+/-0.211 χ^2/NDF: 23219667.3/40

- sign 741.296+/-0.303 χ^2/NDF: 11471211.7/20

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3313.493+/-1325.594 χ^2/NDF:4.1/2

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

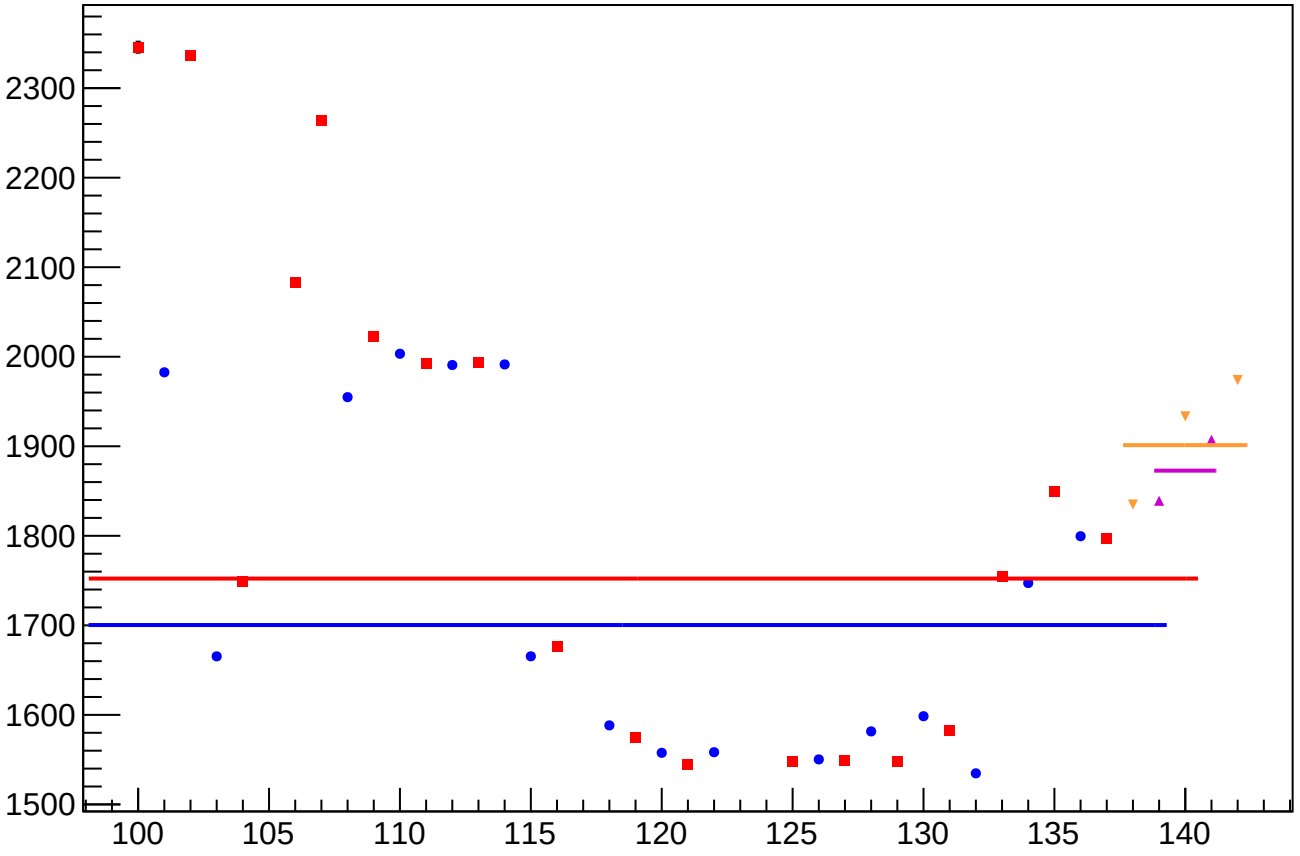
Left In: -1040.808+/-1424.394 χ^2/NDF:0.0/1

+ sign 2169.828+/-573.734 χ^2/NDF: 15.2/18

All: 434.696+/-414.543 χ^2/NDF: 52.0/38

- sign -1460.575+/-599.626 χ^2/NDF: 17.6/19

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1901.269+/-0.937 χ^2/NDF:3685.5/2

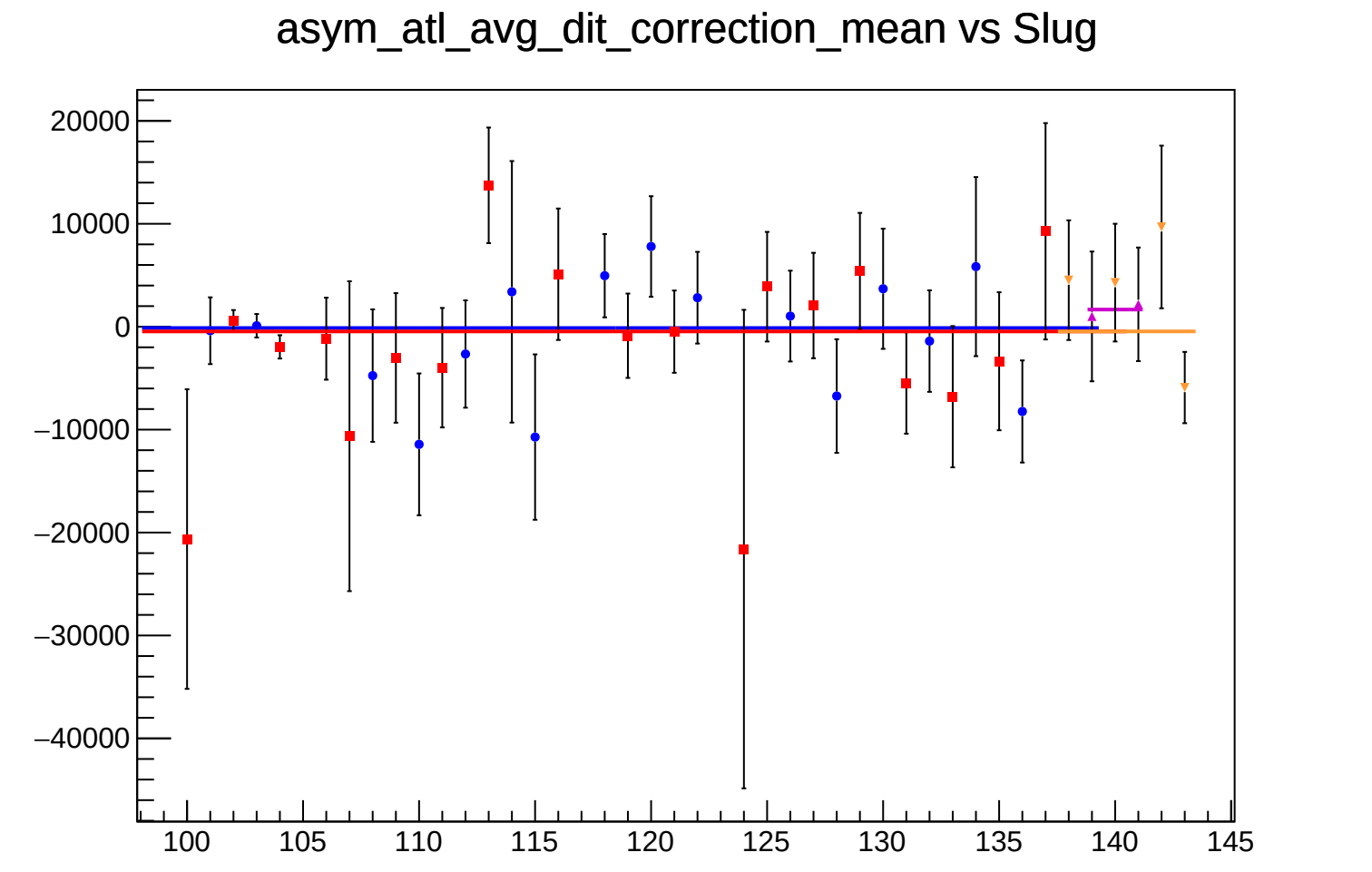
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1872.804+/-1.007 χ^2/NDF:1145.1/1

+ sign 1737.993+/-0.406 χ^2/NDF: 176441.6/18

All: 1755.009+/-0.293 χ^2/NDF: 441011.9/38

- sign 1773.525+/-0.423 χ^2/NDF: 260897.0/19



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -455.868+/-2503.952 χ^2/NDF:5.5/3

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

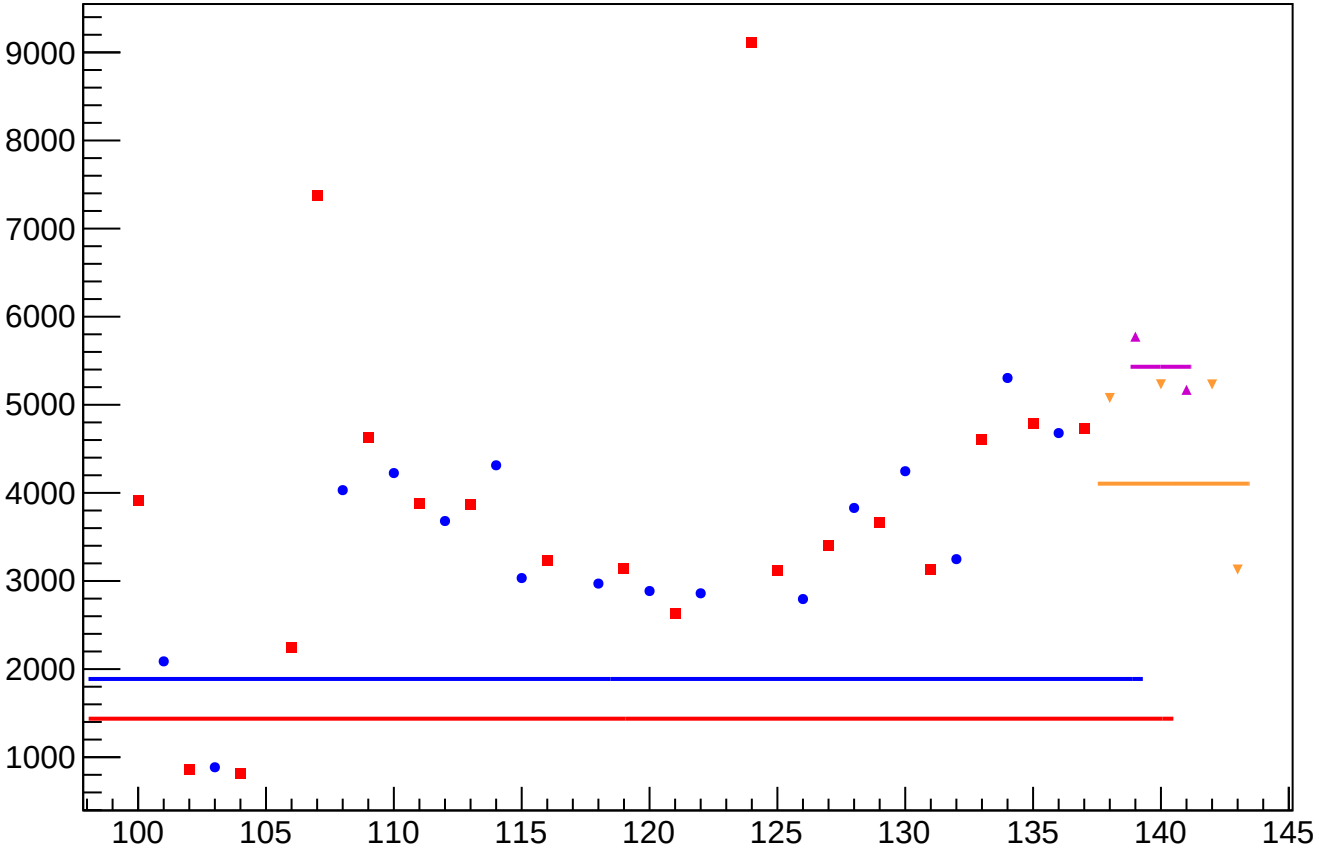
Left In: 1667.139+/-4151.791 χ^2/NDF:0.0/1

+ sign -160.886+/-819.822 χ^2/NDF: 20.6/19

All: -306.609+/-518.903 χ^2/NDF: 39.5/40

- sign -404.009+/-670.248 χ^2/NDF: 18.8/20

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4104.876+/-1.771 χ^2/NDF:332721.9/3

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

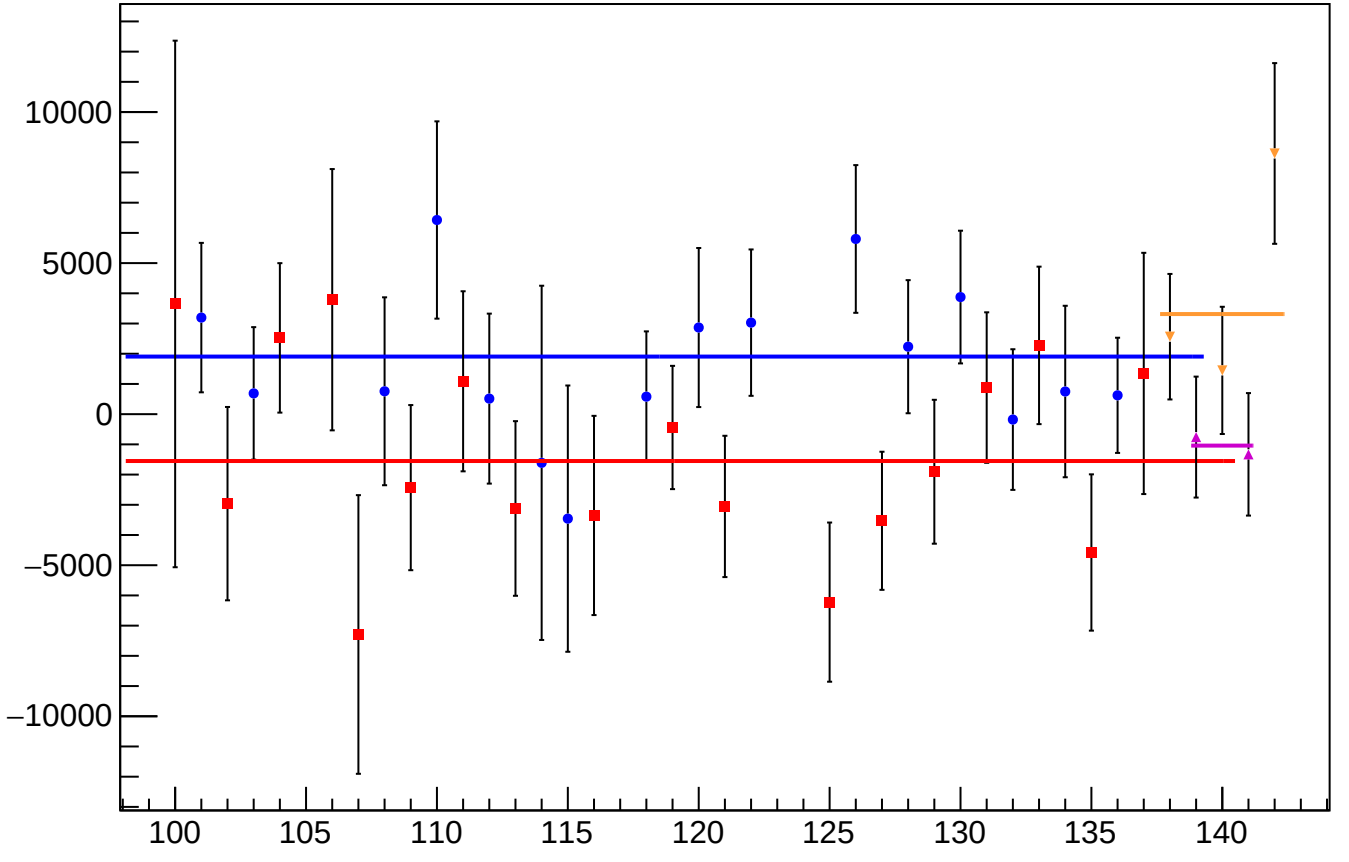
Left In: 5431.582+/-2.936 χ^2/NDF:10384.8/1

+ sign 2125.644+/-0.580 χ^2/NDF: 6158053.4/19

All: 1775.347+/-0.367 χ^2/NDF: 14544893.1/4

- sign 1541.210+/-0.474 χ^2/NDF: 7777636.2/20

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3313.508+/-1325.595 χ^2/NDF:4.1/2

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

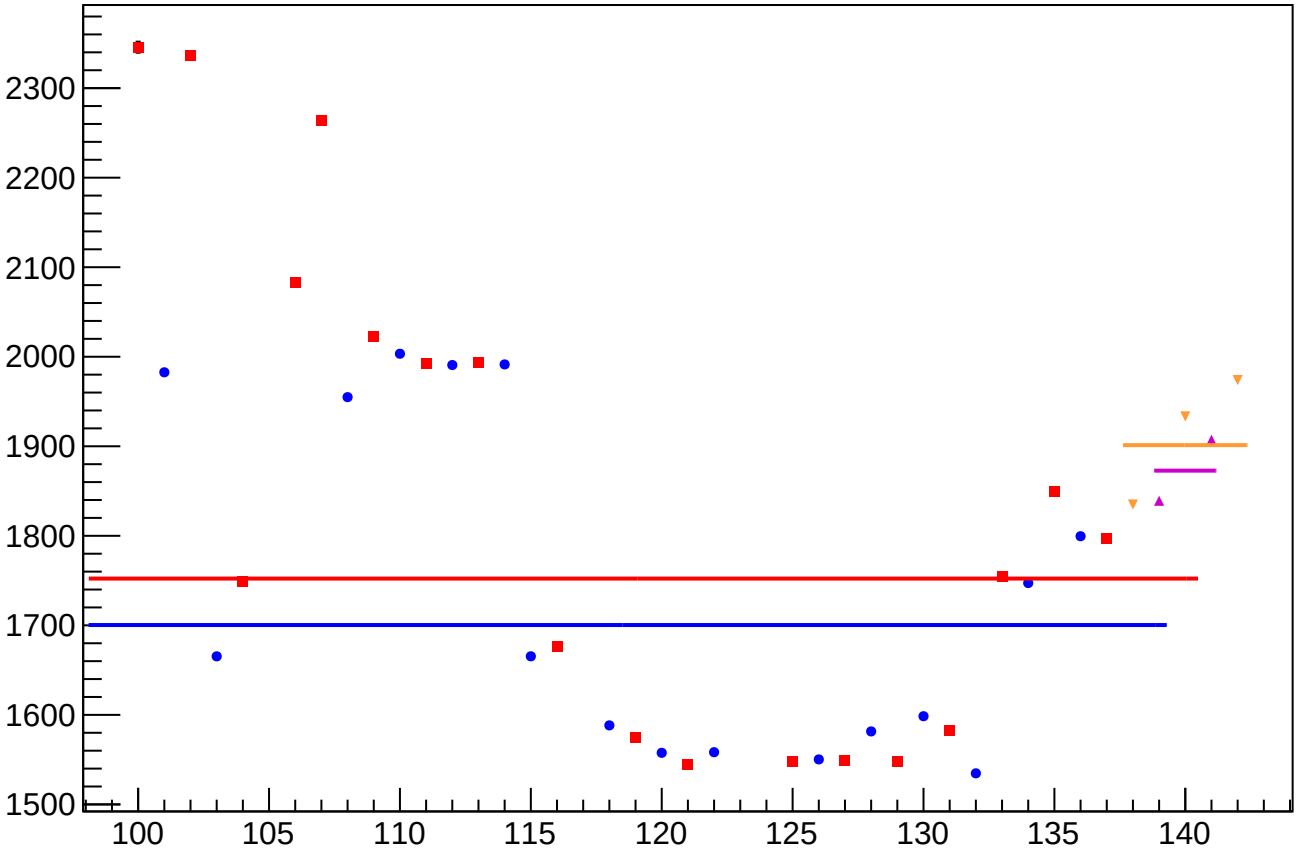
Left In: -1040.805+/-1424.395 χ^2/NDF:0.0/1

+ sign 2169.829+/-573.734 χ^2/NDF: 15.2/18

All: 434.698+/-414.542 χ^2/NDF: 52.0/38

- sign -1460.572+/-599.626 χ^2/NDF: 17.6/19

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1901.270+/-0.937 χ^2/NDF:3685.7/2

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

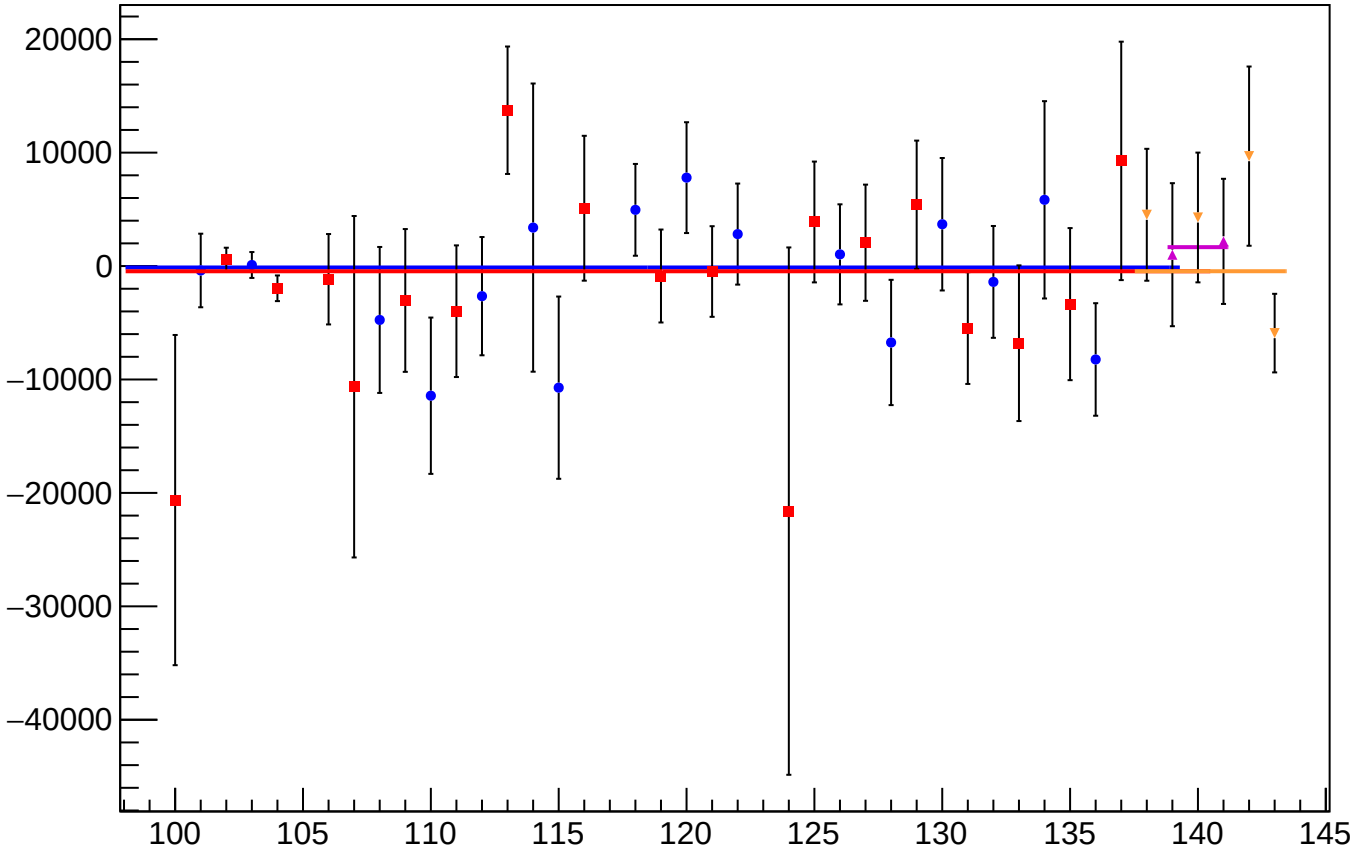
Left In: 1872.805+/-1.007 χ^2/NDF:1145.1/1

+ sign 1737.993+/-0.406 χ^2/NDF: 176442.4/18

All: 1755.008+/-0.293 χ^2/NDF: 441012.5/38

- sign 1773.524+/-0.423 χ^2/NDF: 260896.8/19

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -455.872+/-2503.955 χ^2/NDF:5.5/3

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

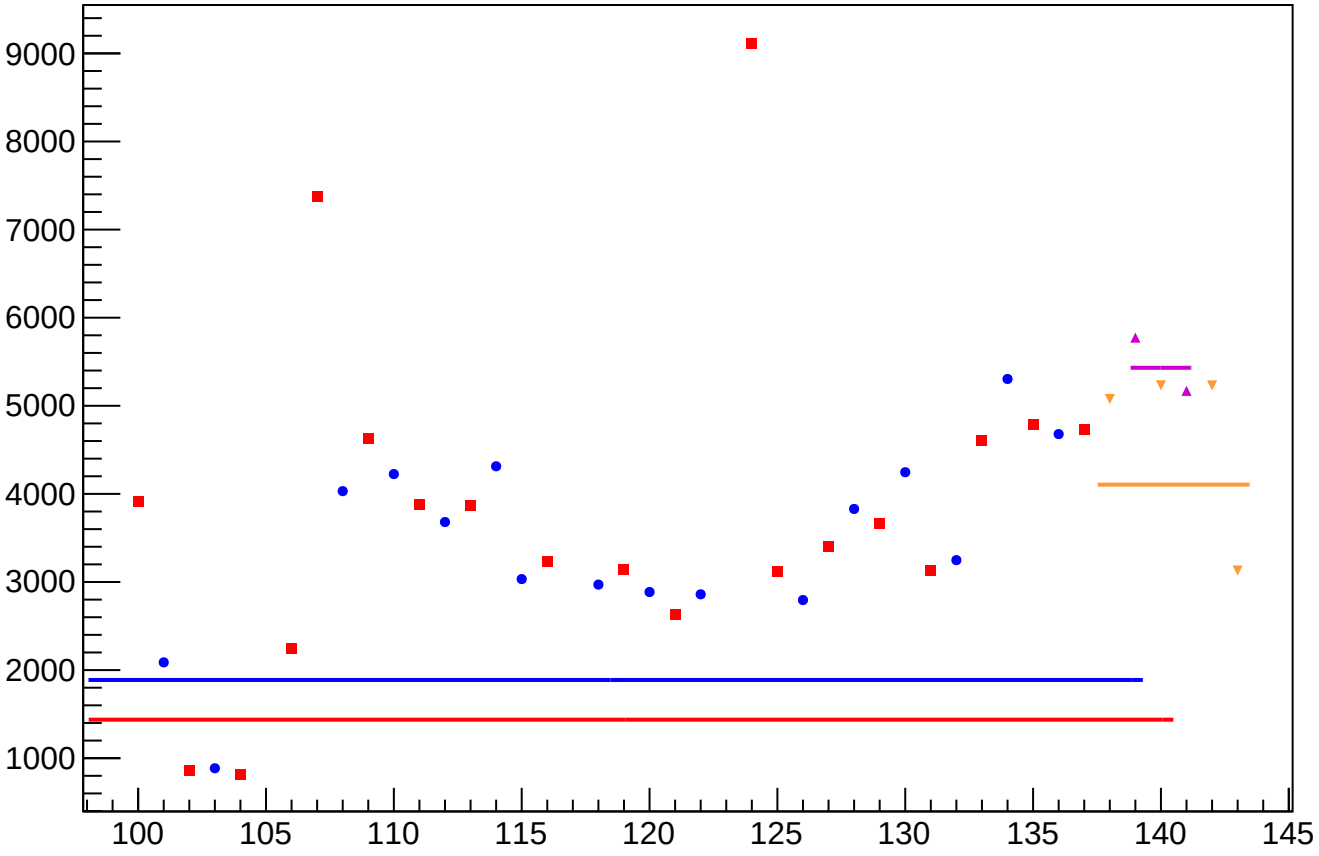
Left In: 1667.141+/-4151.801 χ^2/NDF:0.0/1

+ sign -160.882+/-819.817 χ^2/NDF: 20.6/19

All: -306.608+/-518.900 χ^2/NDF: 39.5/40

- sign -404.009+/-670.244 χ^2/NDF: 18.8/20

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4104.879+/-1.771 χ^2/NDF:332725.3/3

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

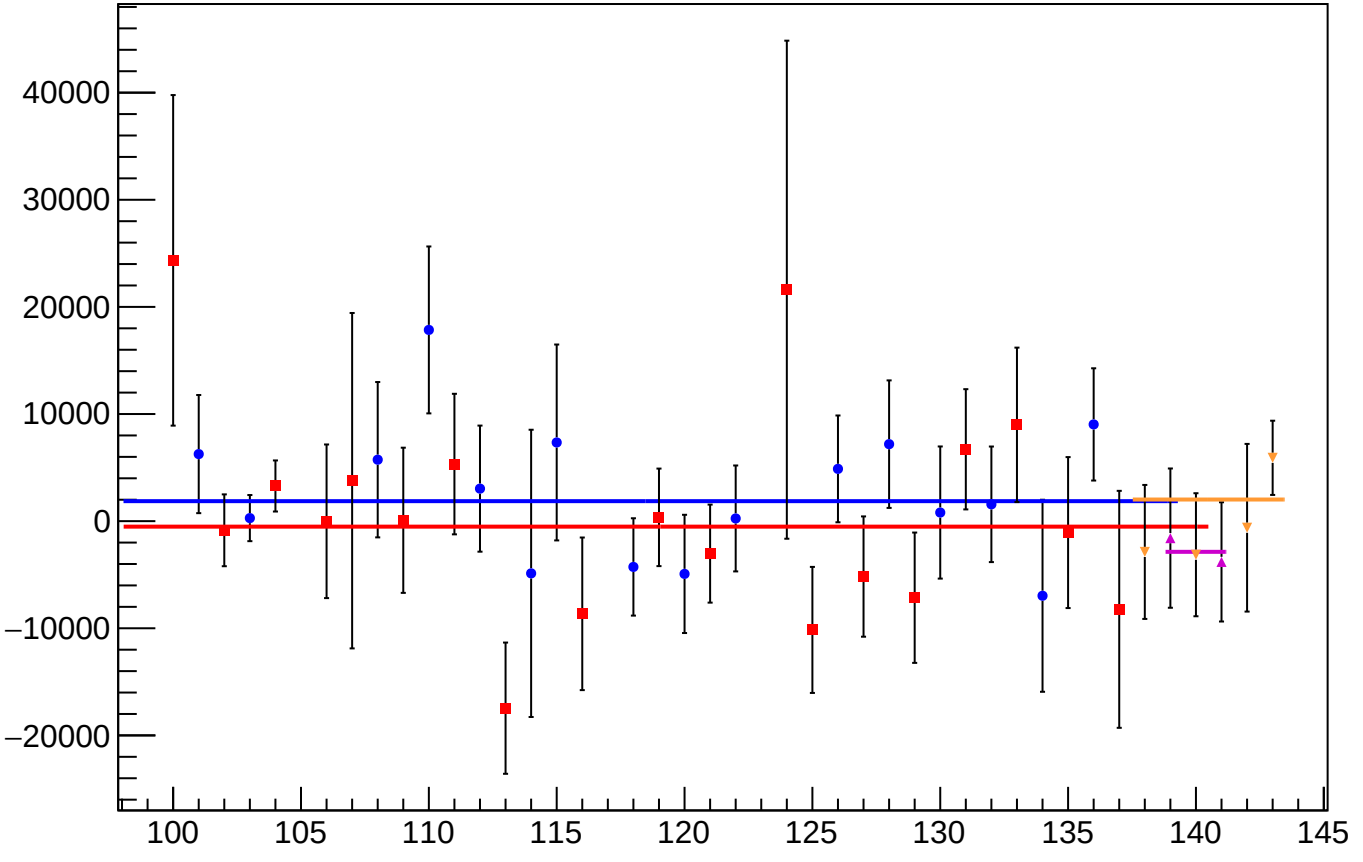
Left In: 5431.594+/-2.936 χ^2/NDF:10385.2/1

+ sign 2125.626+/-0.580 χ^2/NDF: 6158118.2/19

All: 1775.330+/-0.367 χ^2/NDF: 14545010.8/4

- sign 1541.195+/-0.474 χ^2/NDF: 7777687.1/20

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2018.618+/-2535.505 χ^2/NDF:2.8/3

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

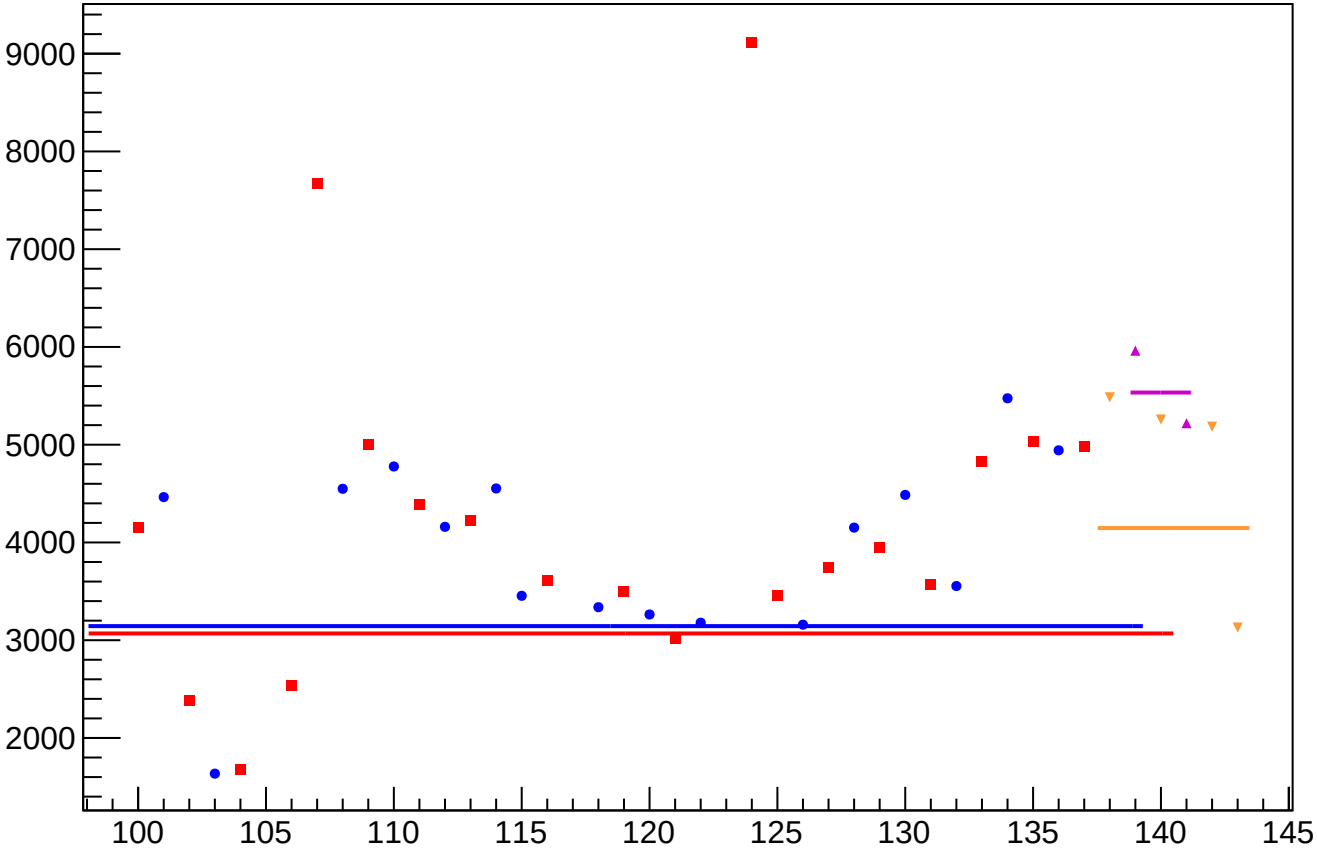
Left In: -2864.428+/-4227.968 χ^2/NDF:0.1/1

+ sign 1896.690+/-1127.771 χ^2/NDF: 16.6/19

All: 669.703+/-818.966 χ^2/NDF: 44.1/40

- sign -699.225+/-1191.218 χ^2/NDF: 25.0/20

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4147.343+/-1.793 χ^2/NDF:373927.3/3

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

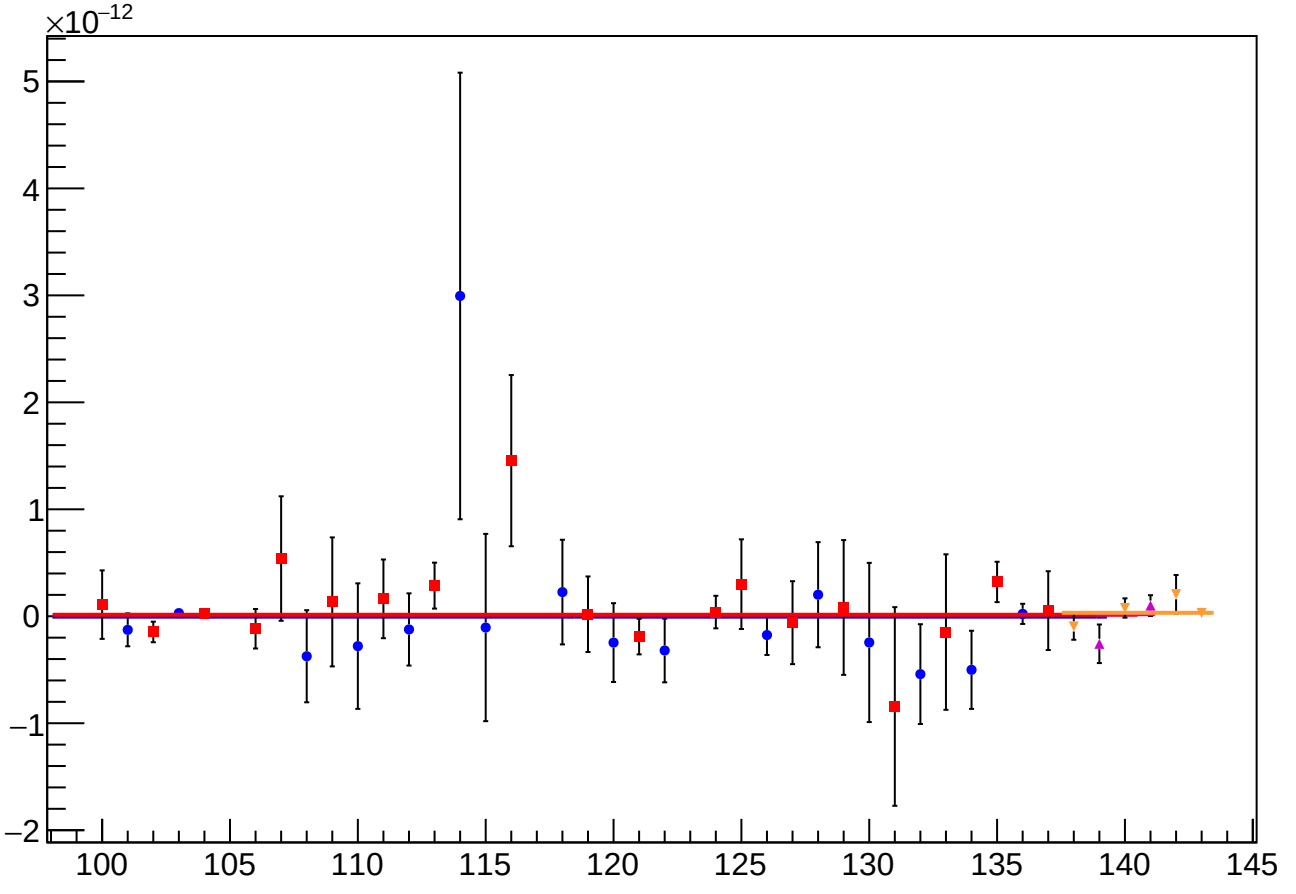
Left In: 5533.560+/-2.990 χ^2/NDF:15023.7/1

+ sign 3342.609+/-0.797 χ^2/NDF: 2508222.7/19

All: 3302.558+/-0.575 χ^2/NDF: 5037277.7/40

- sign 3259.148+/-0.830 χ^2/NDF: 2523798.6/20

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:2.2/3

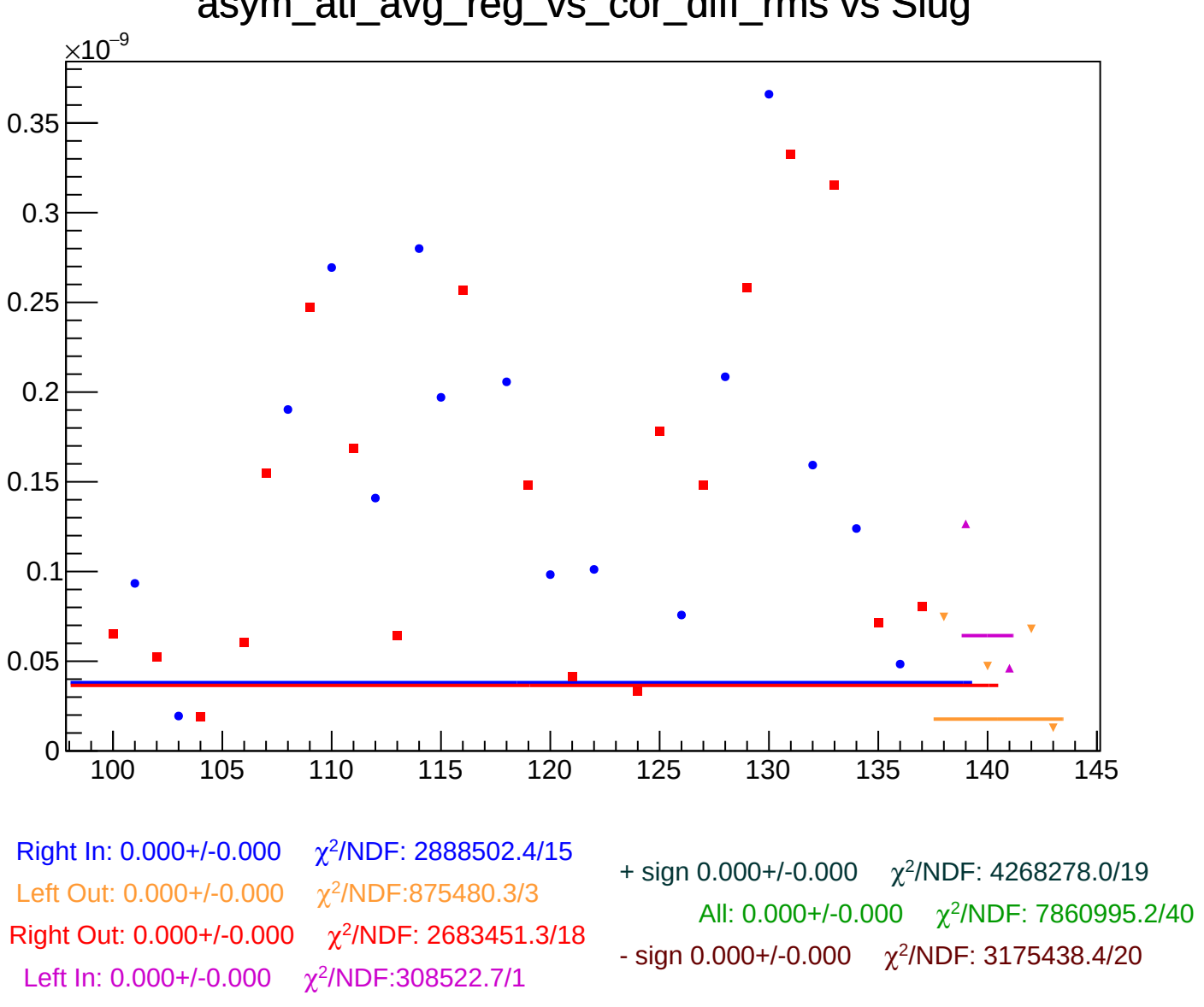
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/1

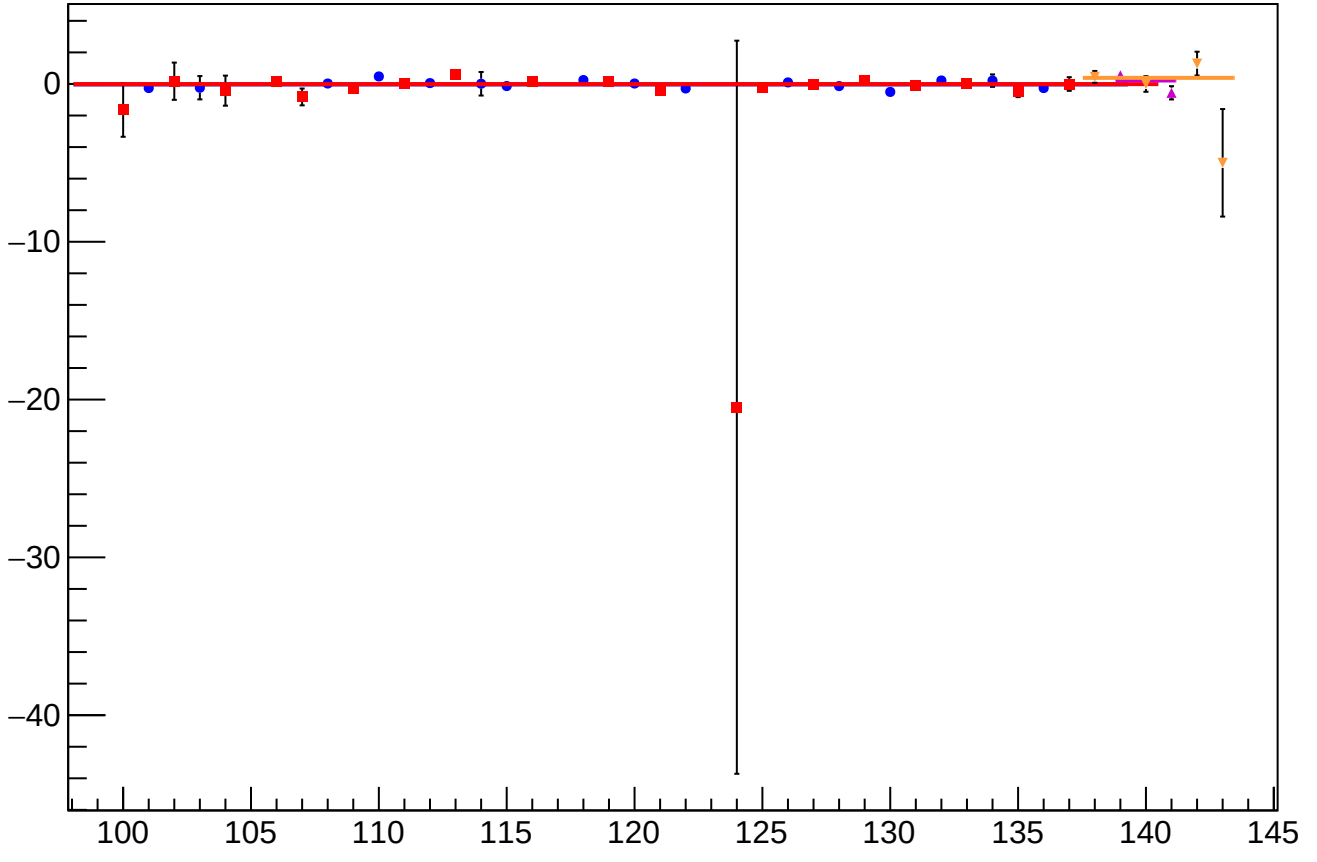
+ sign 0.000+/-0.000 χ^2/NDF: 13.7/19

All: 0.000+/-0.000 χ^2/NDF: 31.7/40

- sign 0.000+/-0.000 χ^2/NDF: 18.0/20


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:875480.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:308522.7/1
+ sign 0.000+/-0.000 χ²/NDF: 4268278.0/19
All: 0.000+/-0.000 χ²/NDF: 7860995.2/40
- sign 0.000+/-0.000 χ²/NDF: 3175438.4/20

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

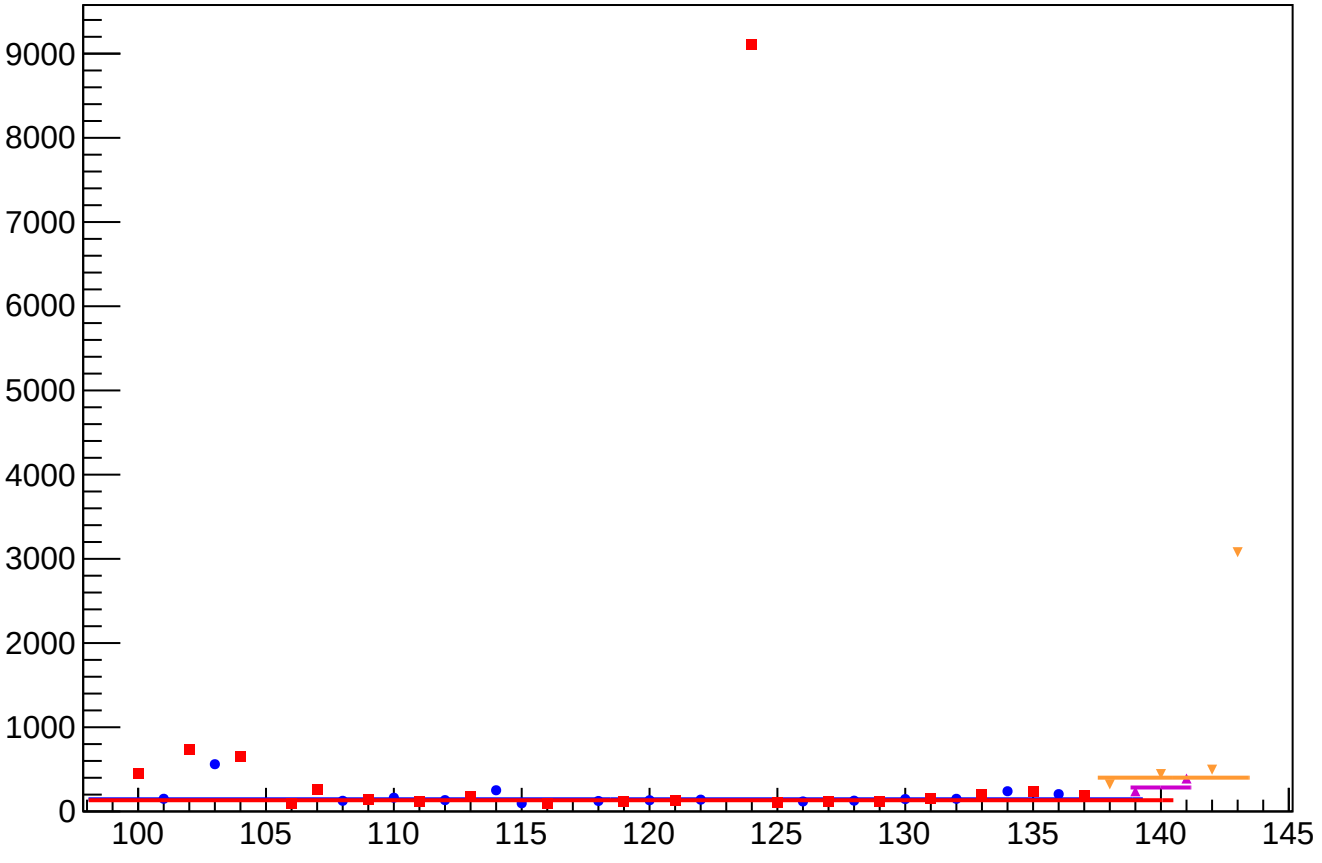
Left In: 0.220+/-0.229 χ^2/NDF:4.9/1

+ sign -0.011+/-0.057 χ^2/NDF: 24.0/19

All: -0.004+/-0.039 χ^2/NDF: 51.6/40

- sign 0.003+/-0.055 χ^2/NDF: 27.6/20

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 401.344+/-0.196 χ^2/NDF:1371671.3/3

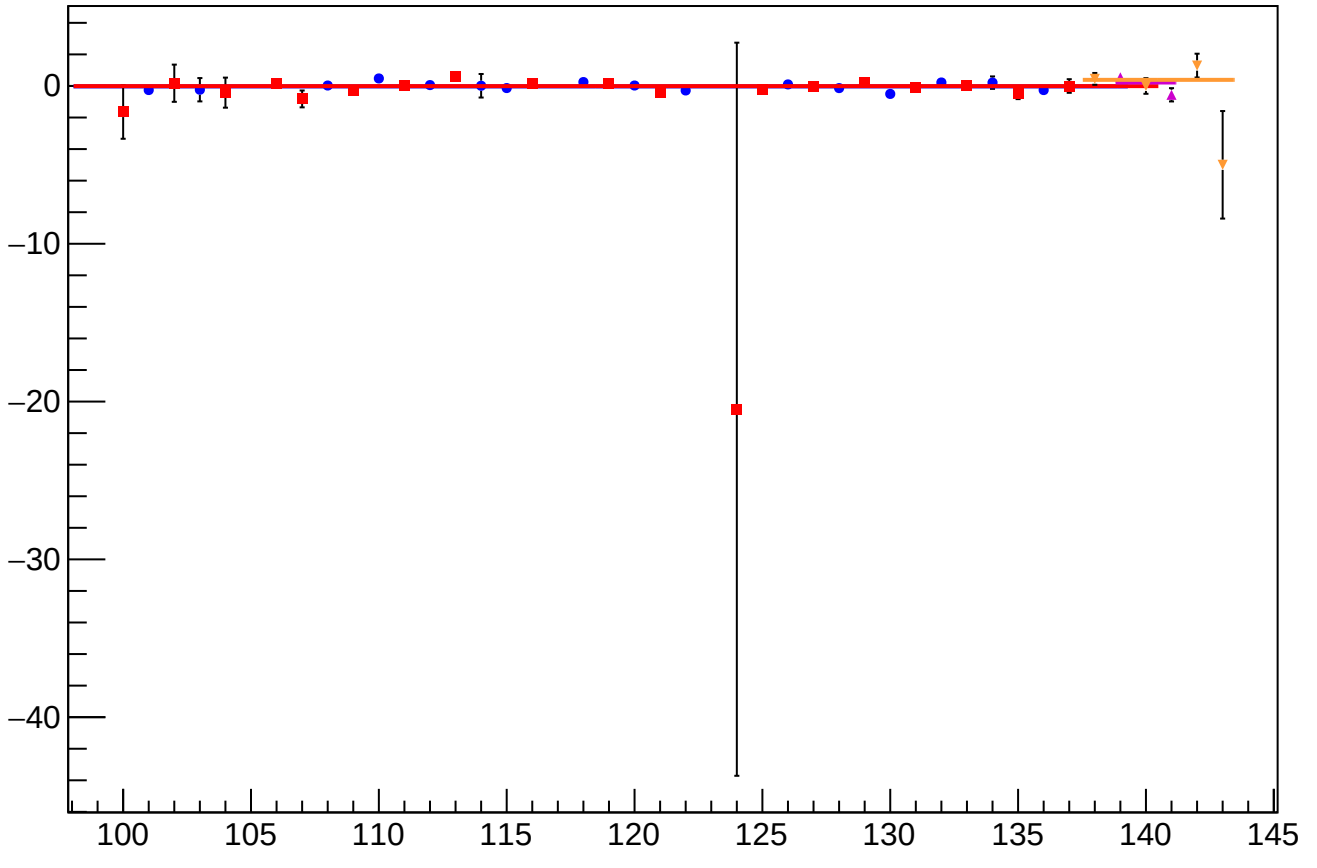
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 284.610+/-0.162 χ^2/NDF:181981.3/1

+ sign 155.039+/-0.040 χ^2/NDF: 4152834.2/19

All: 148.287+/-0.028 χ^2/NDF: 7434477.6/40

- sign 141.945+/-0.039 χ^2/NDF: 3226465.0/20



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

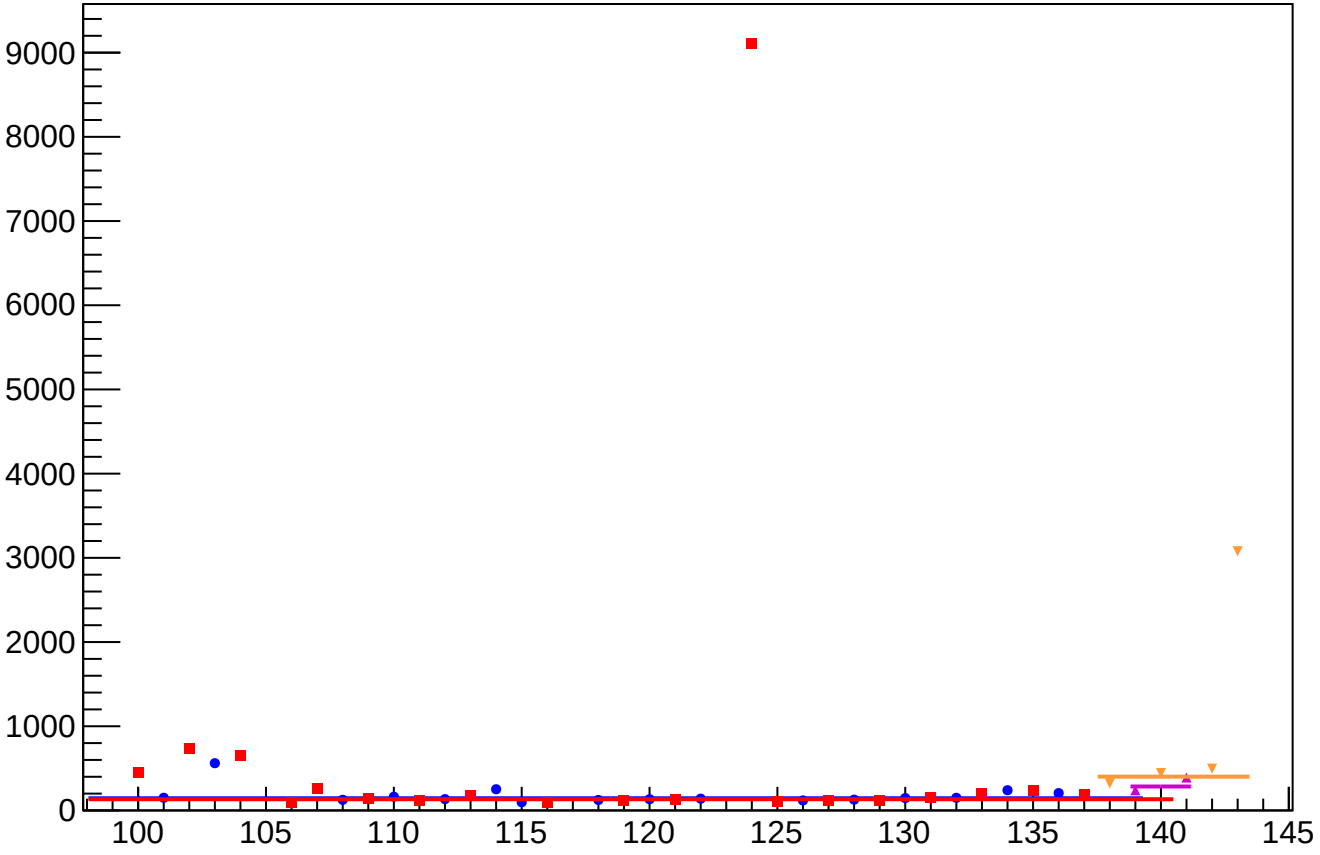
Left In: 0.220+/-0.229 χ^2/NDF:4.9/1

+ sign -0.011+/-0.057 χ^2/NDF: 24.0/19

All: -0.004+/-0.039 χ^2/NDF: 51.6/40

- sign 0.003+/-0.055 χ^2/NDF: 27.6/20

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: 401.344+/-0.196 χ^2/NDF:1371671.3/3

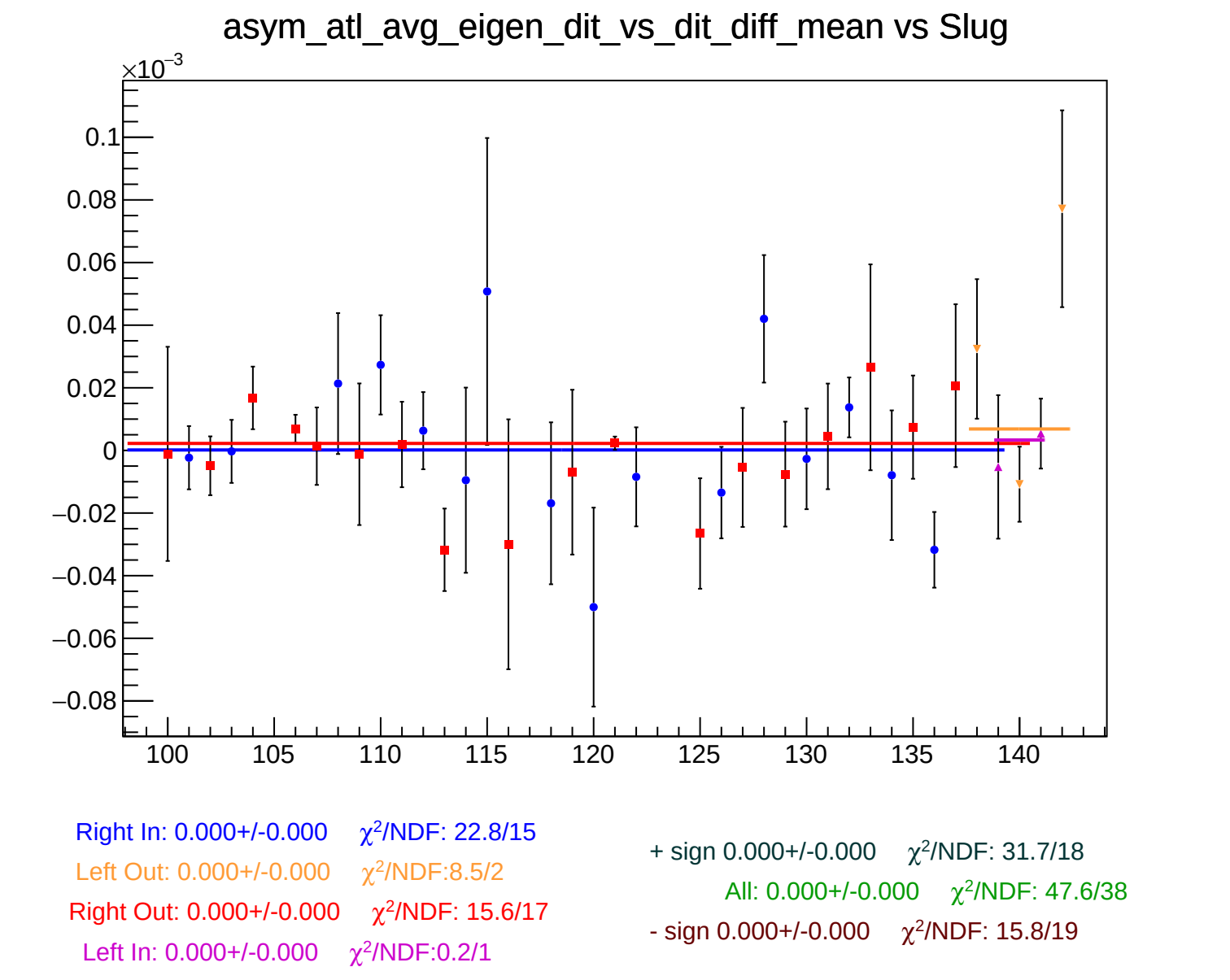
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 284.610+/-0.162 χ^2/NDF:181981.3/1

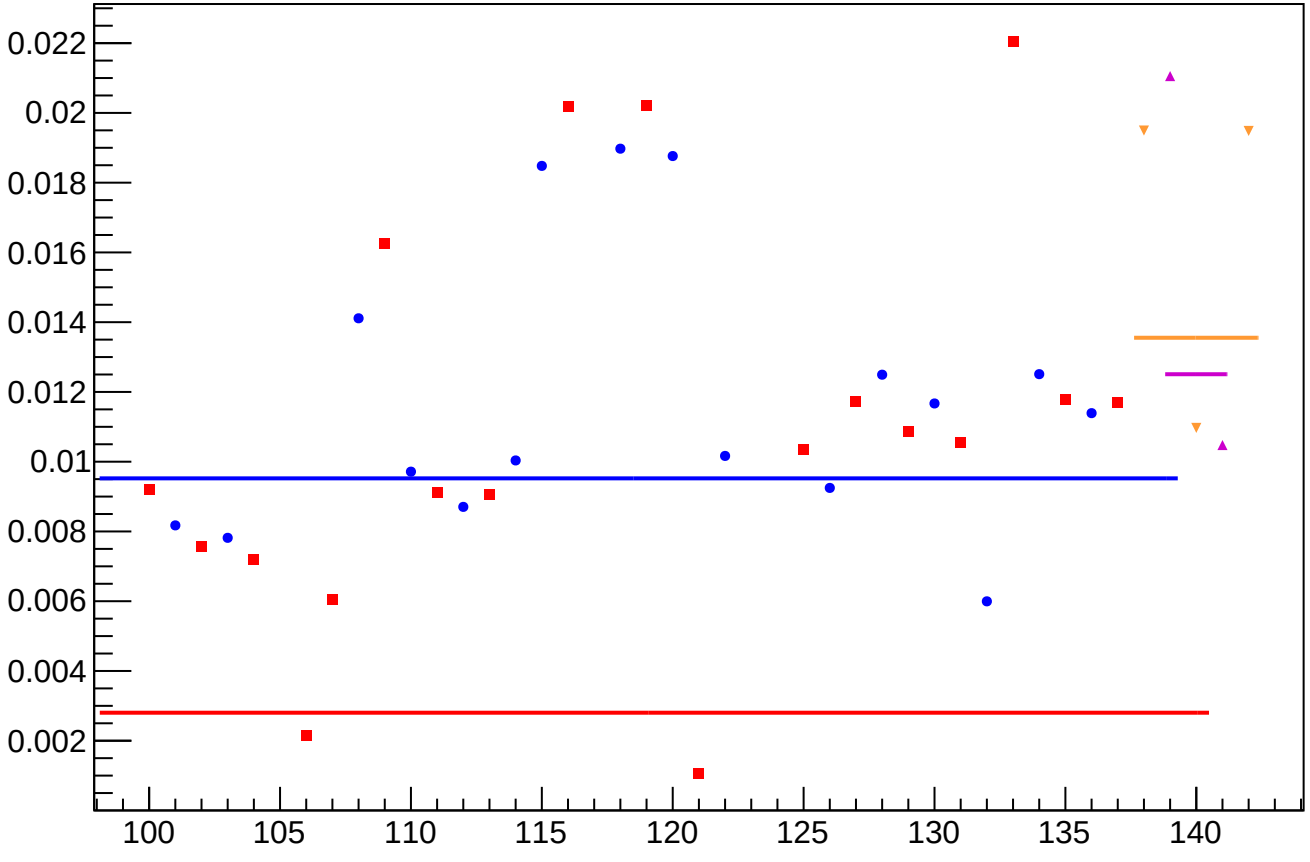
+ sign 155.039+/-0.040 χ^2/NDF: 4152834.2/19

All: 148.287+/-0.028 χ^2/NDF: 7434477.6/40

- sign 141.945+/-0.039 χ^2/NDF: 3226465.0/20


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: 0.000+/-0.000 χ²/NDF:8.5/2
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:0.2/1
+ sign 0.000+/-0.000 χ²/NDF: 31.7/18
All: 0.000+/-0.000 χ²/NDF: 47.6/38
- sign 0.000+/-0.000 χ²/NDF: 15.8/19

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.014+/-0.000 χ^2/NDF:306289.2/2

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

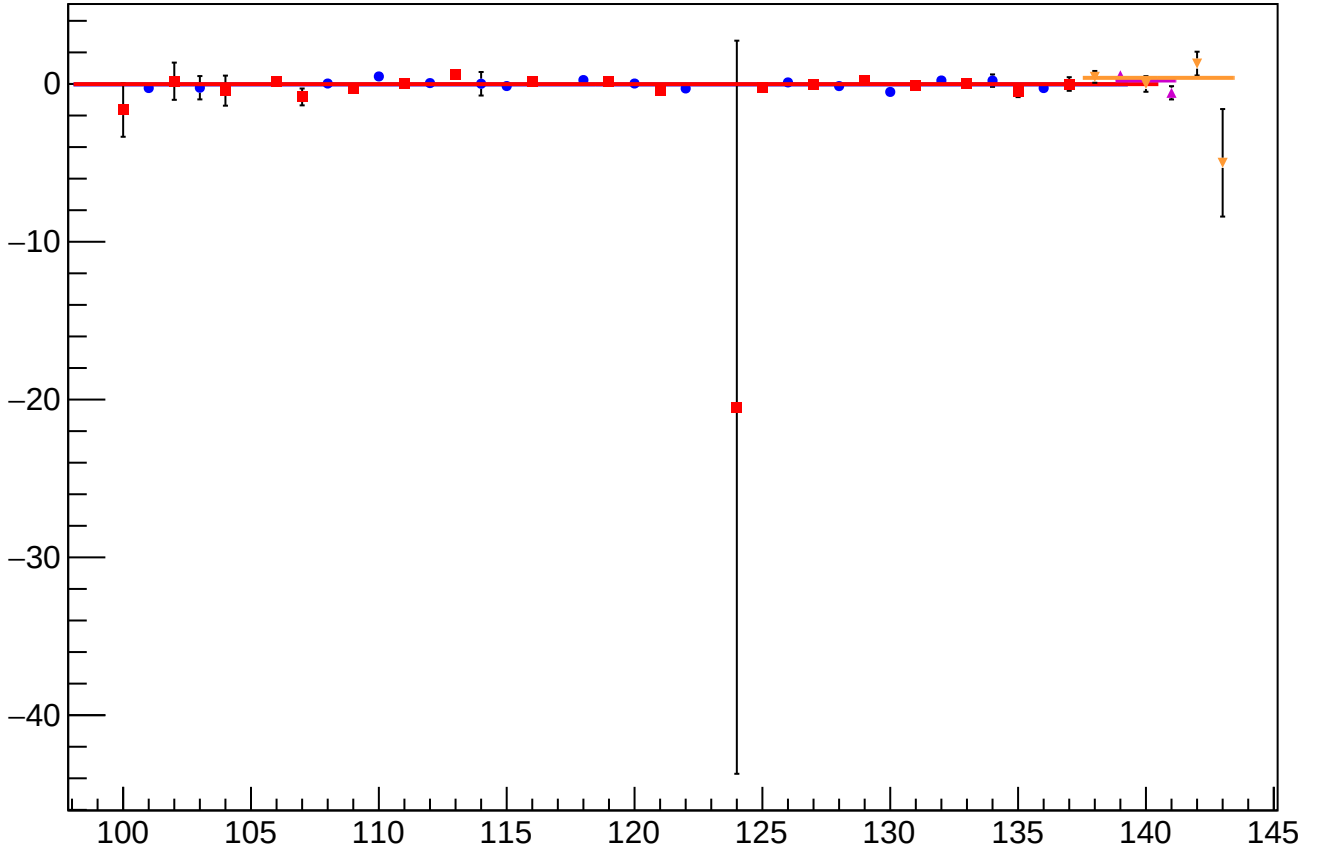
Left In: 0.013+/-0.000 χ^2/NDF:344325.0/1

+ sign 0.010+/-0.000 χ^2/NDF: 1723796.7/18

All: 0.004+/-0.000 χ^2/NDF: 18796262.3/38

- sign 0.003+/-0.000 χ^2/NDF: 10728742.7/19

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

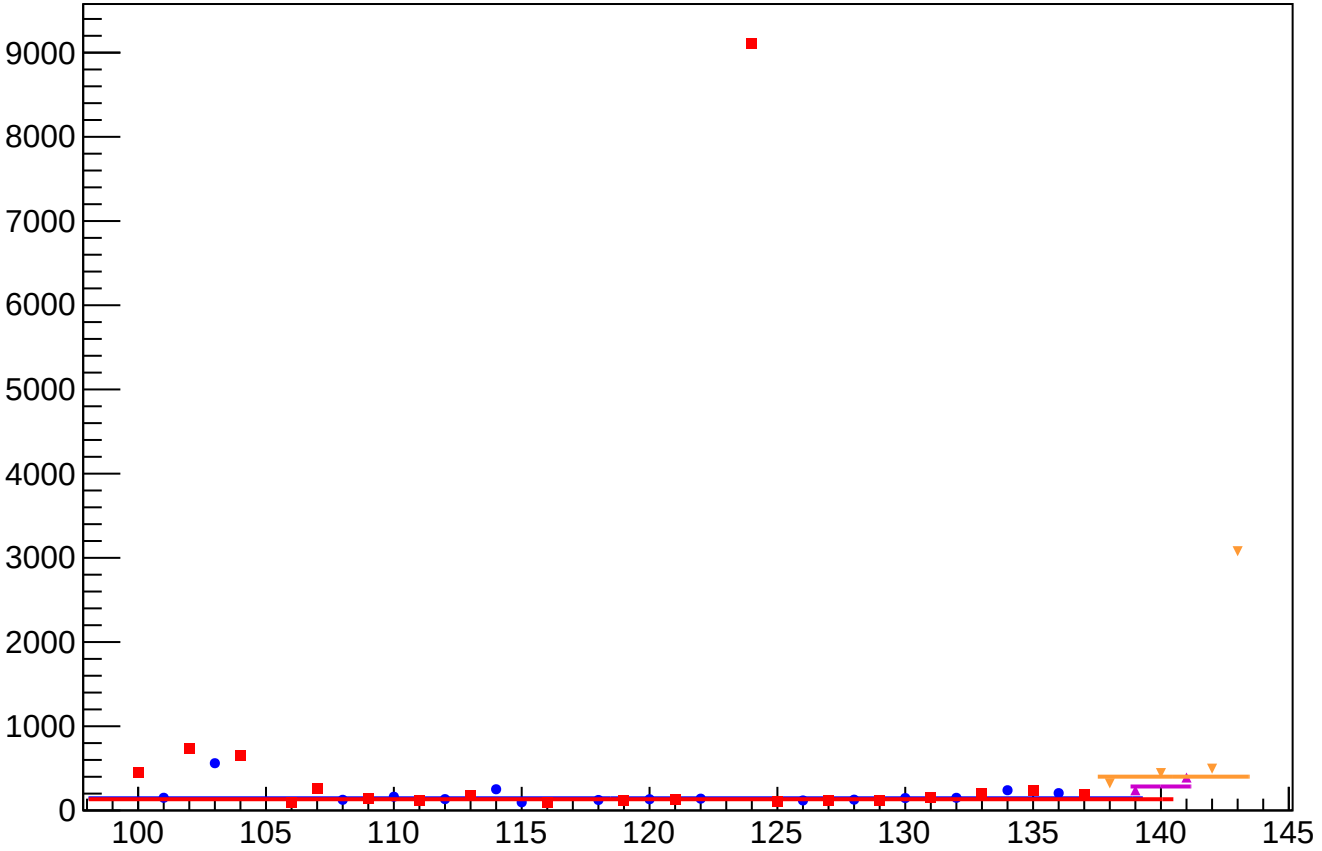
Left In: 0.220+/-0.229 χ^2/NDF:4.9/1

+ sign -0.011+/-0.057 χ^2/NDF: 24.0/19

All: -0.004+/-0.039 χ^2/NDF: 51.7/40

- sign 0.003+/-0.055 χ^2/NDF: 27.6/20

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: 401.347+/-0.196 χ^2/NDF:1371677.3/3

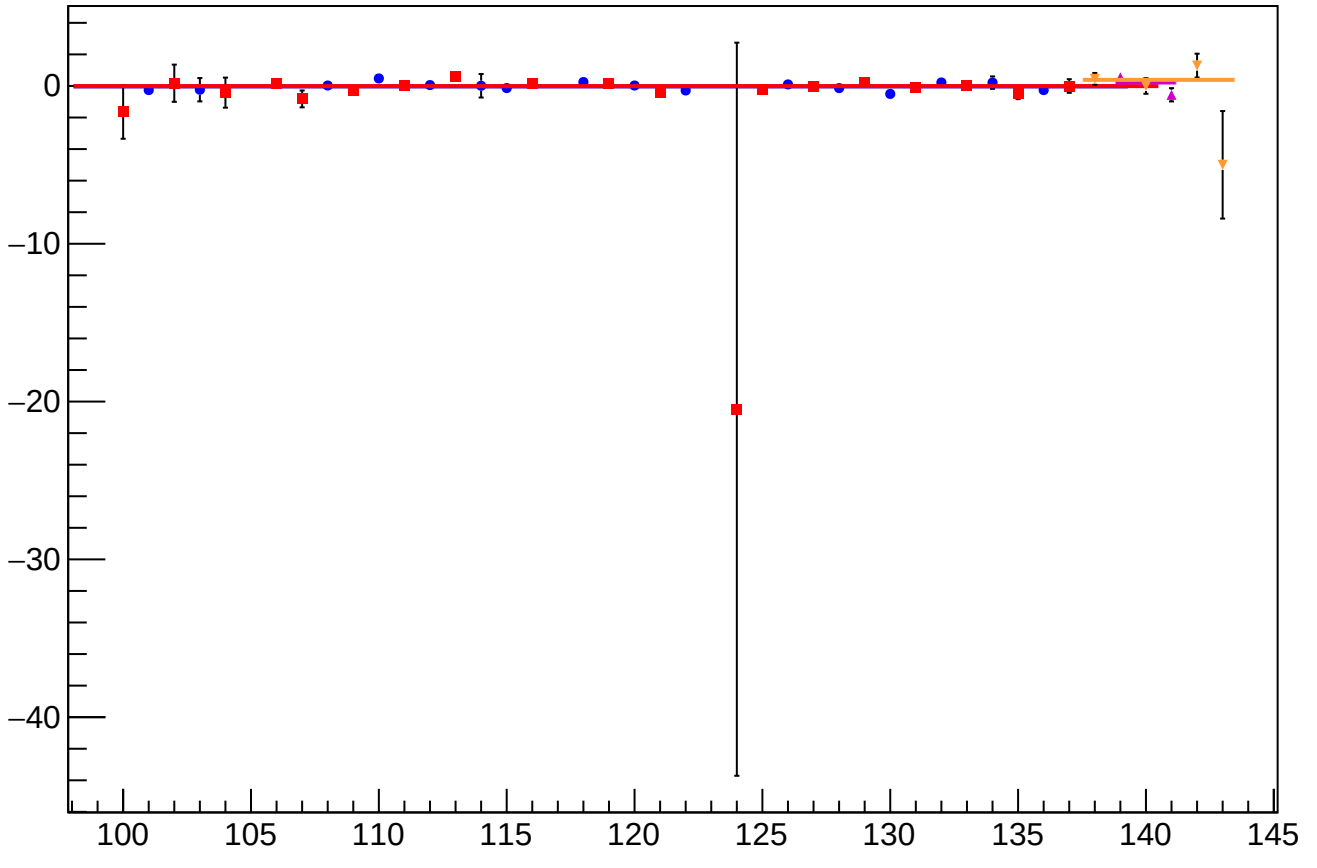
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 284.616+/-0.162 χ^2/NDF:181971.0/1

+ sign 155.037+/-0.040 χ^2/NDF: 4152902.7/19

All: 148.286+/-0.028 χ^2/NDF: 7434535.2/40

- sign 141.944+/-0.039 χ^2/NDF: 3226461.5/20



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

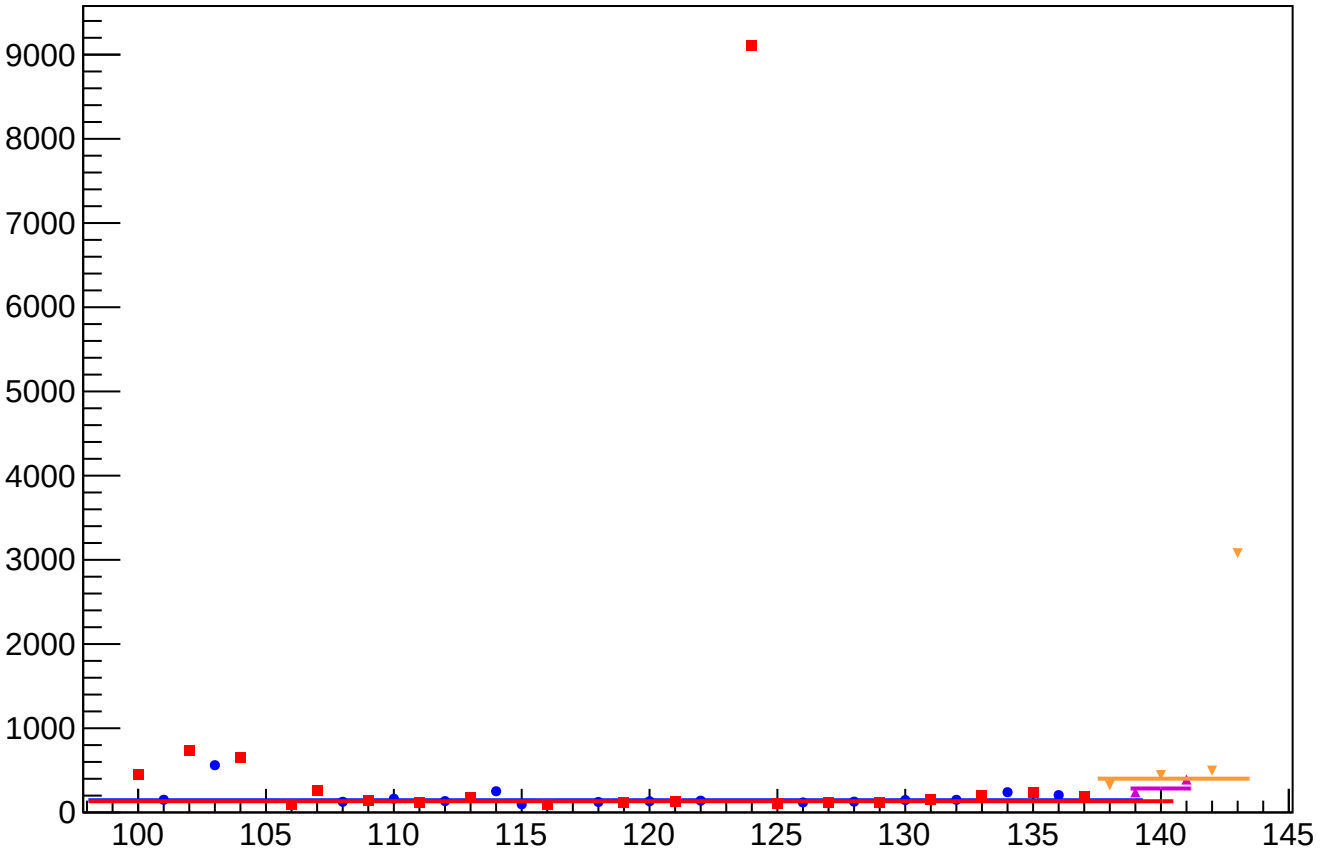
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.220+/-0.229 χ^2/NDF:4.9/1

+ sign -0.011+/-0.057 χ^2/NDF: 24.0/19

All: -0.004+/-0.039 χ^2/NDF: 51.7/40

- sign 0.003+/-0.055 χ^2/NDF: 27.6/20



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 401.347+/-0.196 χ^2/NDF:1371677.3/3

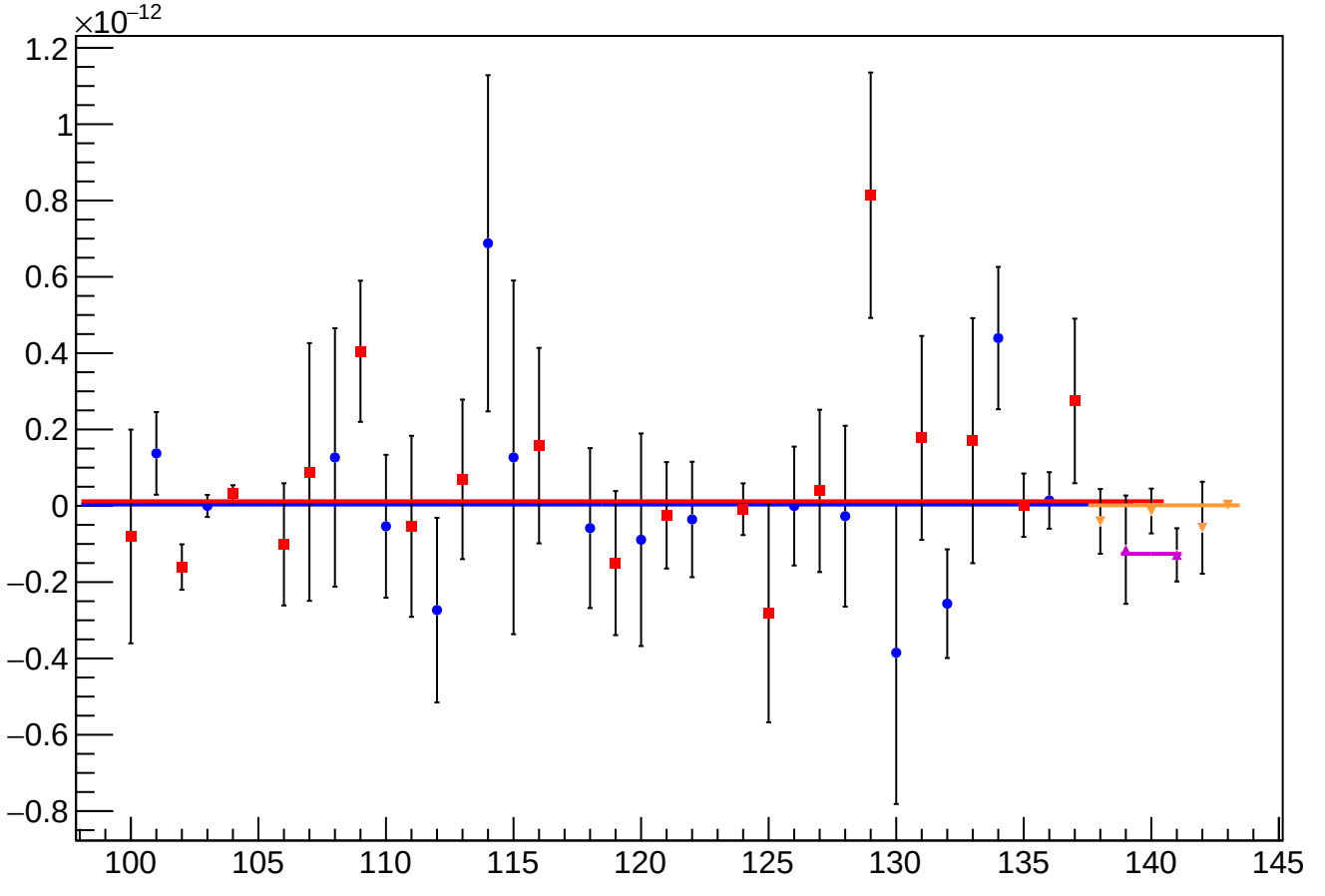
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 284.616+/-0.162 χ^2/NDF:181971.0/1

+ sign 155.037+/-0.040 χ^2/NDF: 4152902.7/19

All: 148.286+/-0.028 χ^2/NDF: 7434535.2/40

- sign 141.944+/-0.039 χ^2/NDF: 3226461.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

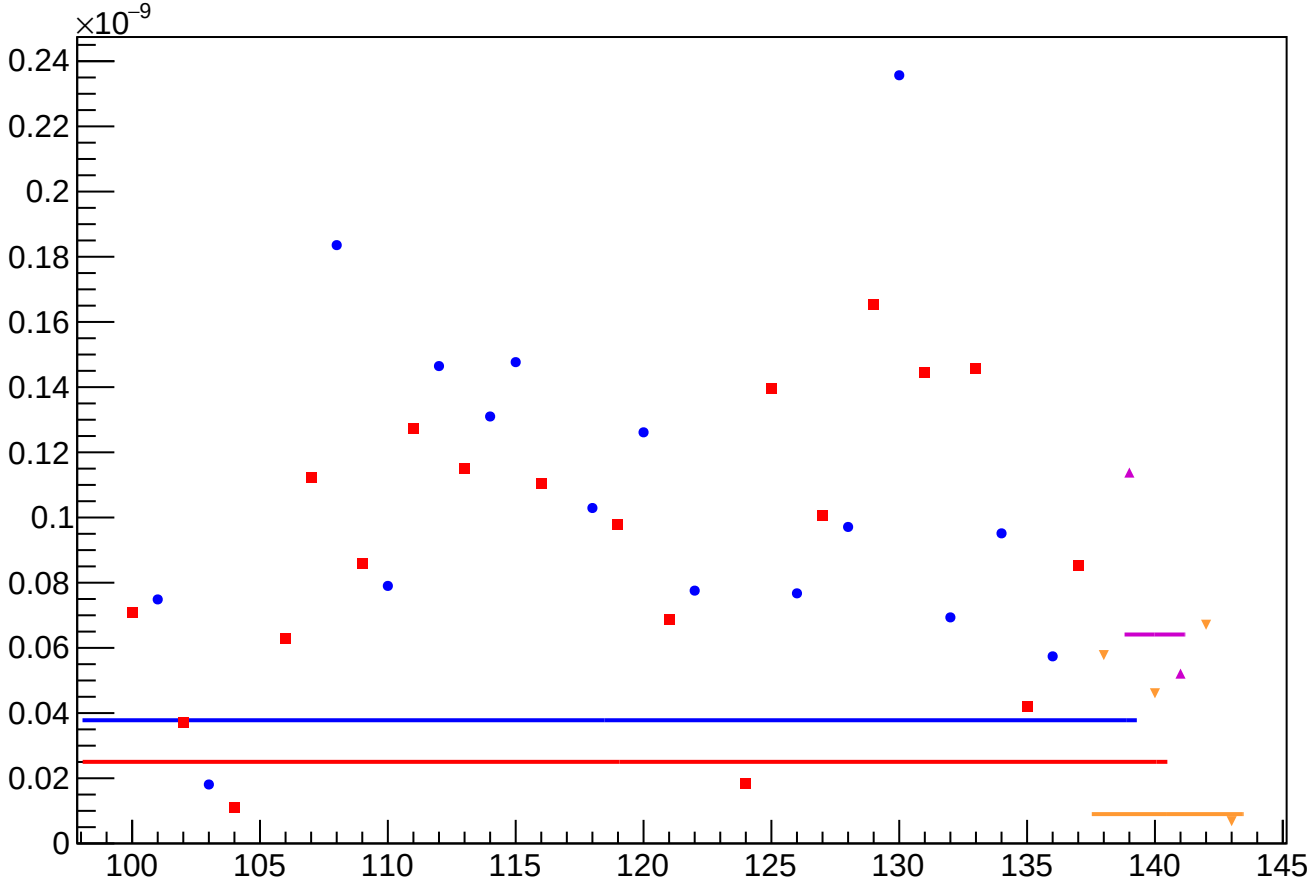
Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/19

All: 0.000+/-0.000 χ^2/NDF: 45.8/40

- sign 0.000+/-0.000 χ^2/NDF: 29.6/20

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2017755.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

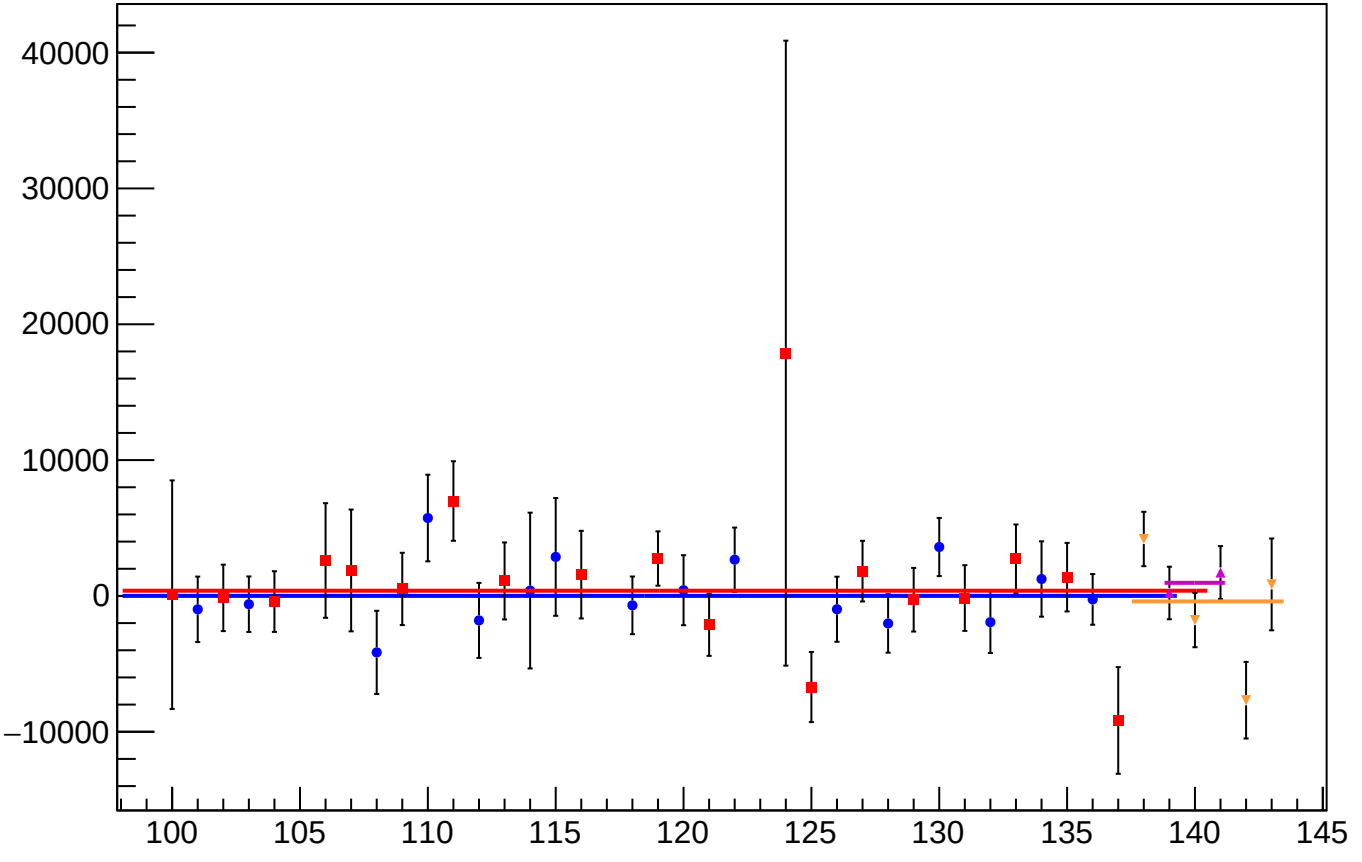
Left In: 0.000+/-0.000 χ^2/NDF:303958.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 8442180.6/19

All: 0.000+/-0.000 χ^2/NDF: 15299731.8/40

- sign 0.000+/-0.000 χ^2/NDF: 5721214.1/20

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: -404.873+/-1183.783 χ^2/NDF:12.5/3

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

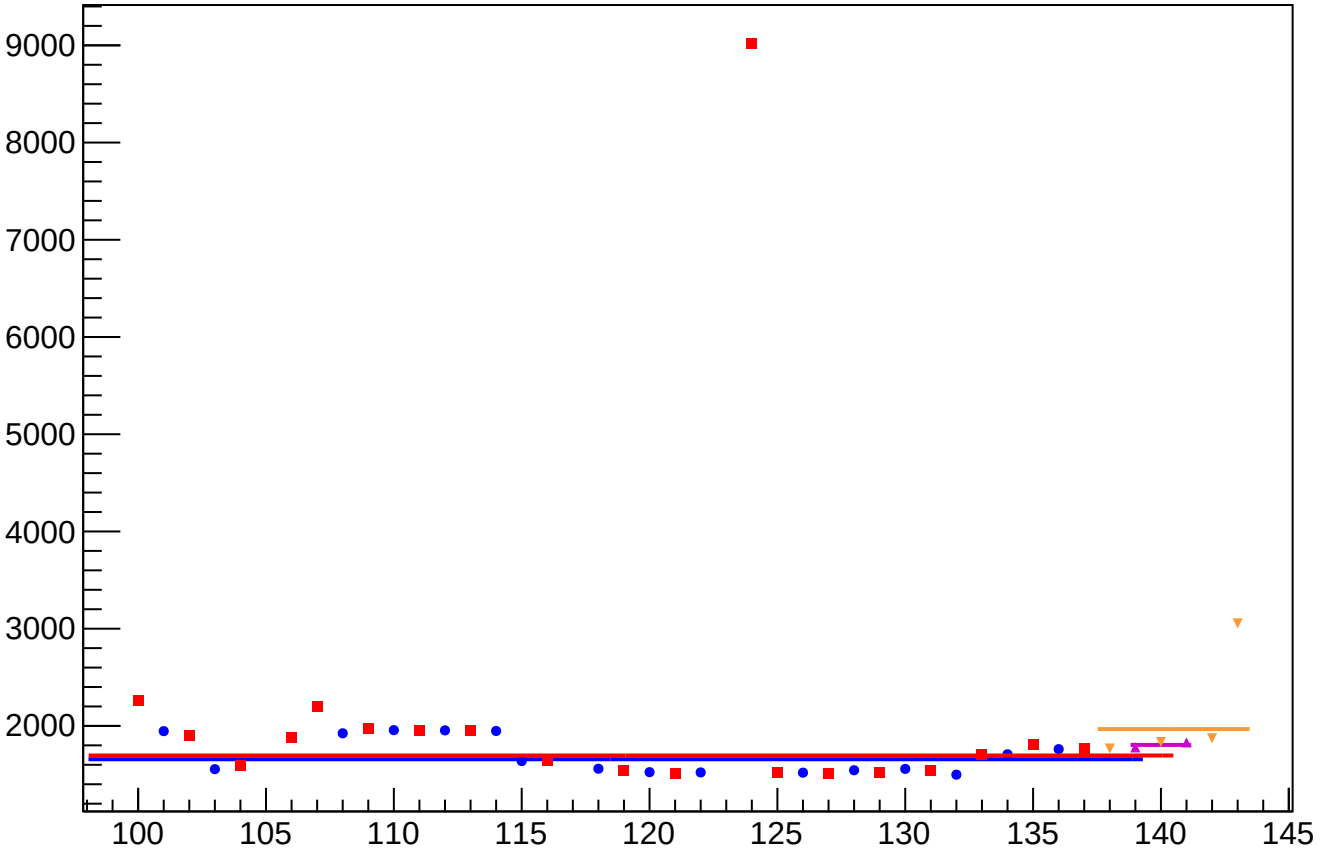
Left In: 965.469+/-1371.733 χ^2/NDF:0.3/1

+ sign -83.700+/-549.164 χ^2/NDF: 25.1/19

All: 188.356+/-397.225 χ^2/NDF: 50.1/40

- sign 486.889+/-575.266 χ^2/NDF: 24.5/20

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.6/3

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

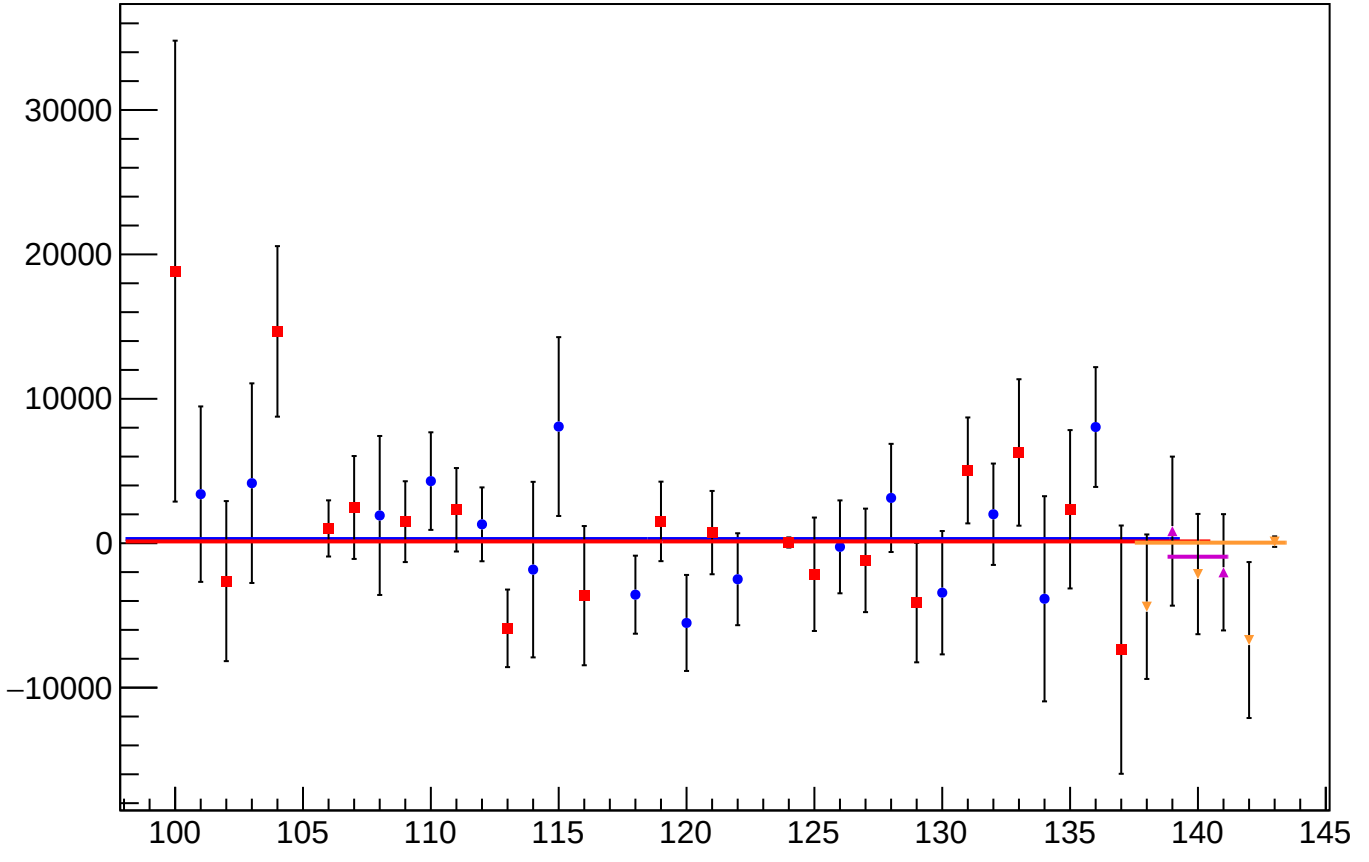
Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

+ sign 1723.898+/-0.388 χ^2/NDF: 489676.1/19

All: 1719.477+/-0.280 χ^2/NDF: 887267.5/40

- sign 1714.663+/-0.405 χ^2/NDF: 397320.6/20

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 39.859+/-360.982 χ^2/NDF:2.7/3

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

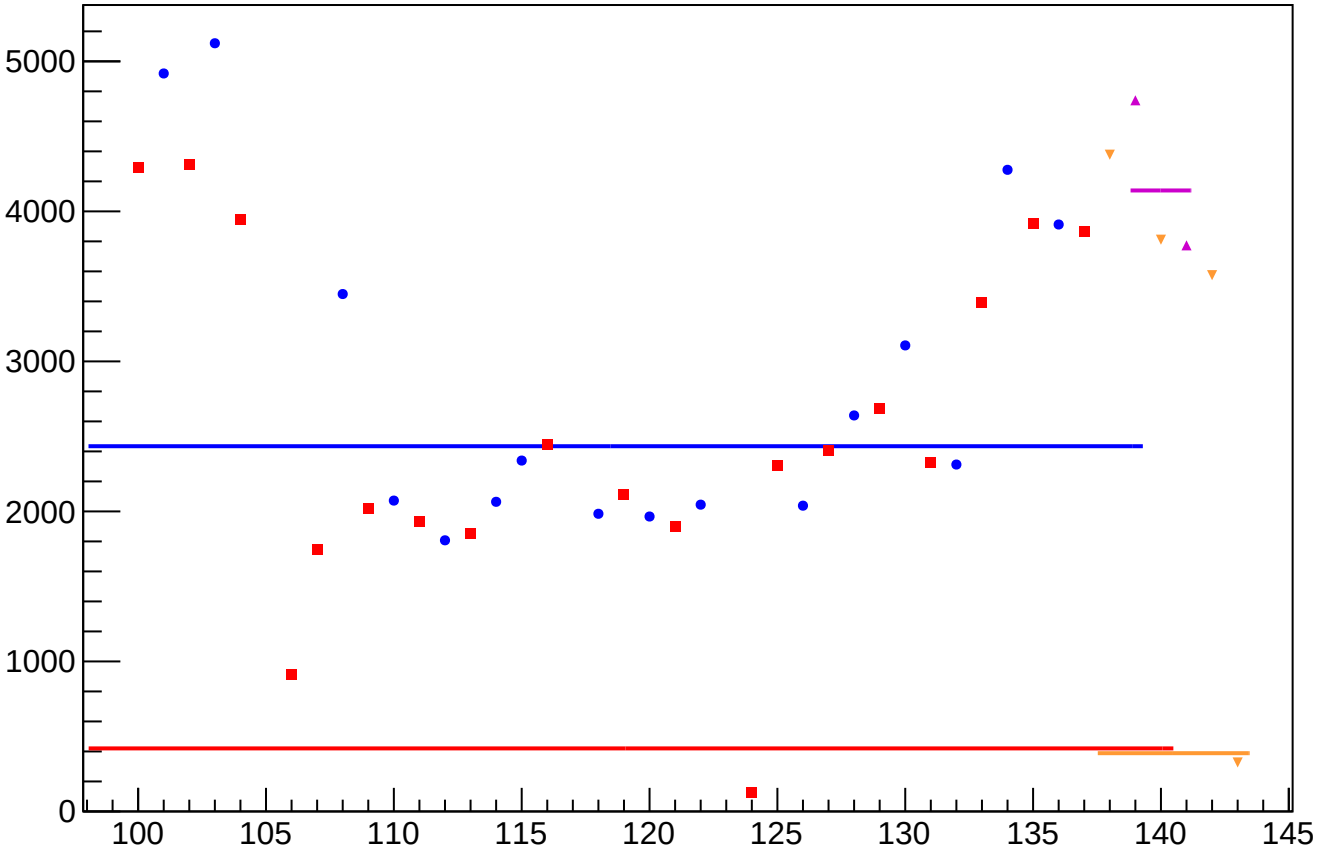
Left In: -934.344+/-3174.353 χ^2/NDF:0.2/1

+ sign 70.694+/-337.931 χ^2/NDF: 17.9/19

All: 93.744+/-233.134 χ^2/NDF: 39.1/40

- sign 114.676+/-322.044 χ^2/NDF: 21.1/20

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 388.396+/-0.255 χ^2/NDF:3376789.0/3

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

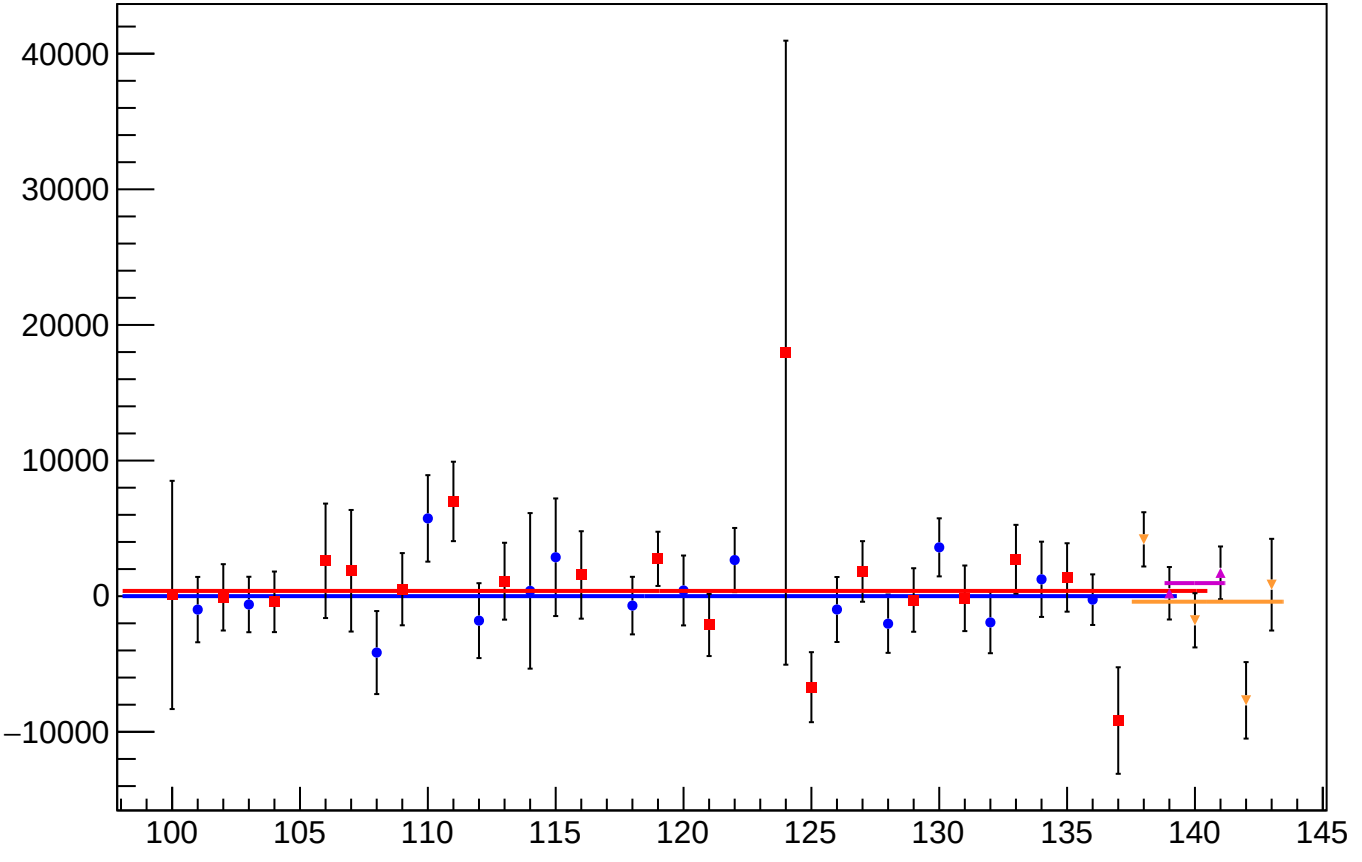
Left In: 4139.377+/-2.245 χ^2/NDF:43638.1/1

+ sign 641.379+/-0.239 χ^2/NDF: 12779599.5/19

All: 545.577+/-0.165 χ^2/NDF: 26910991.3/40

- sign 458.571+/-0.228 χ^2/NDF: 13824668.9/20

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: -405.015+/-1183.783 χ^2/NDF:12.5/3

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

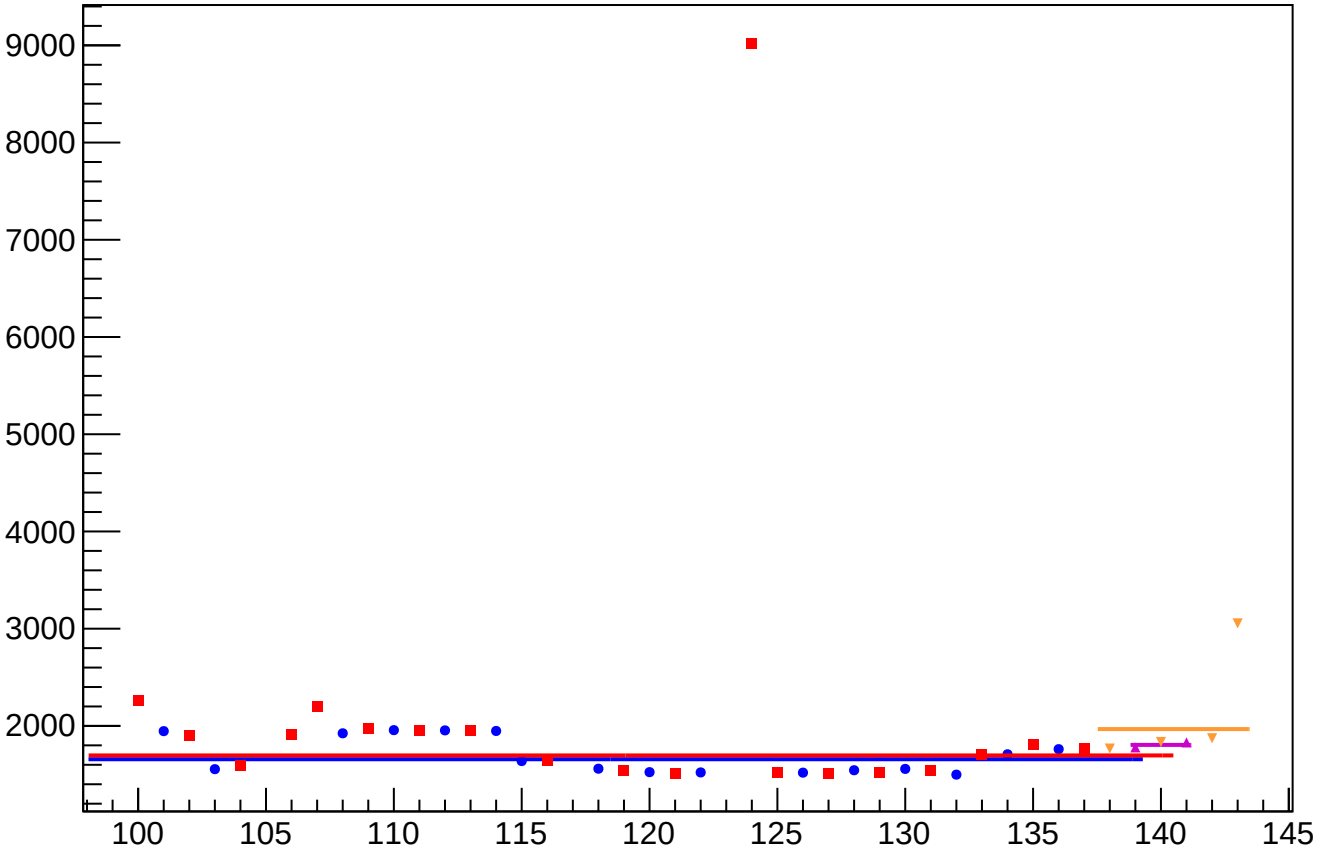
Left In: 965.124+/-1371.733 χ^2/NDF:0.3/1

+ sign -83.792+/-549.164 χ^2/NDF: 25.1/19

All: 189.966+/-397.226 χ^2/NDF: 50.1/40

- sign 490.371+/-575.270 χ^2/NDF: 24.5/20

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.7/3

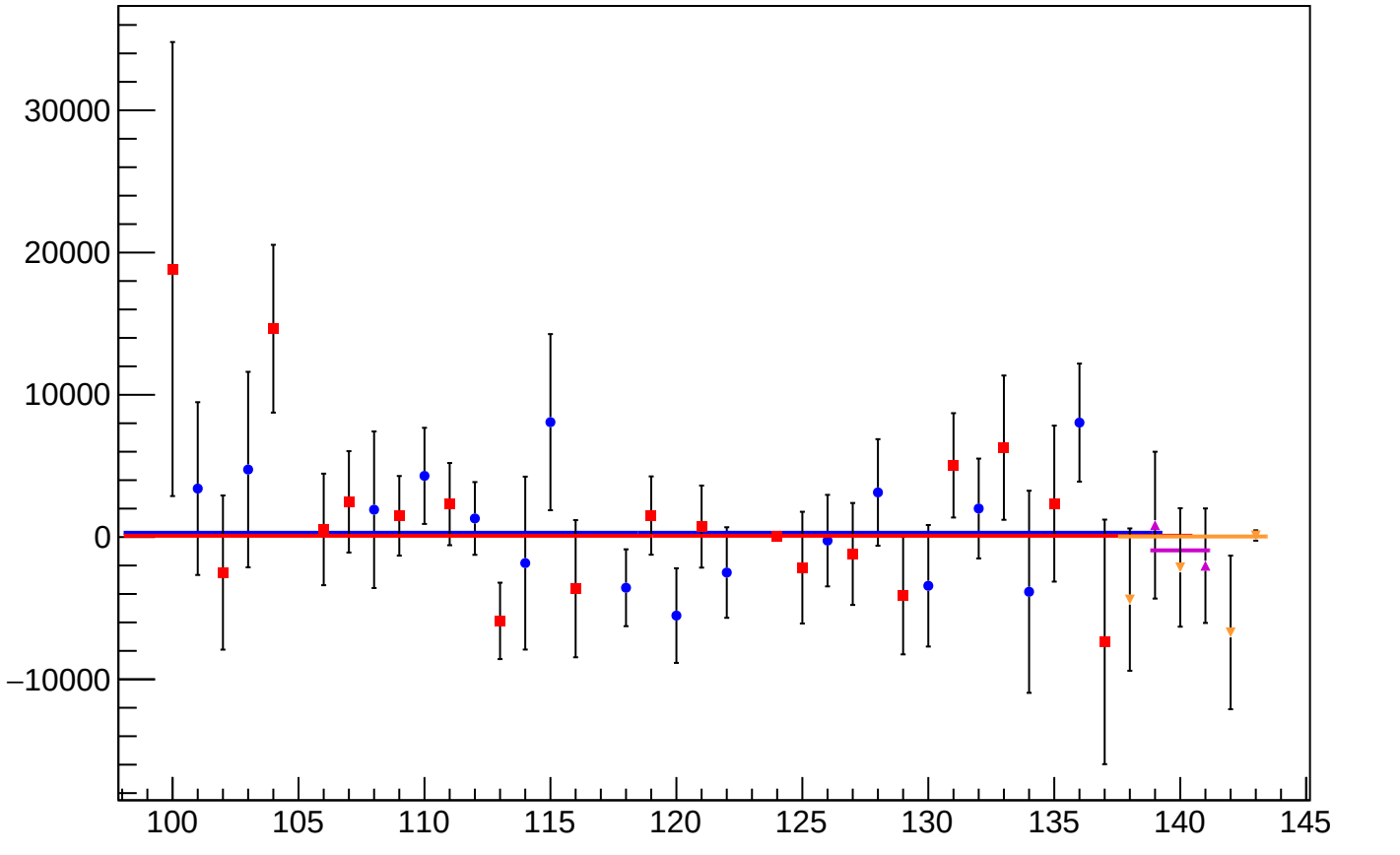
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

+ sign 1723.898+/-0.388 χ^2/NDF: 489676.3/19

All: 1719.799+/-0.280 χ^2/NDF: 888835.1/40

- sign 1715.333+/-0.405 χ^2/NDF: 398926.0/20



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 40.332+/-360.954 χ^2/NDF:2.7/3

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

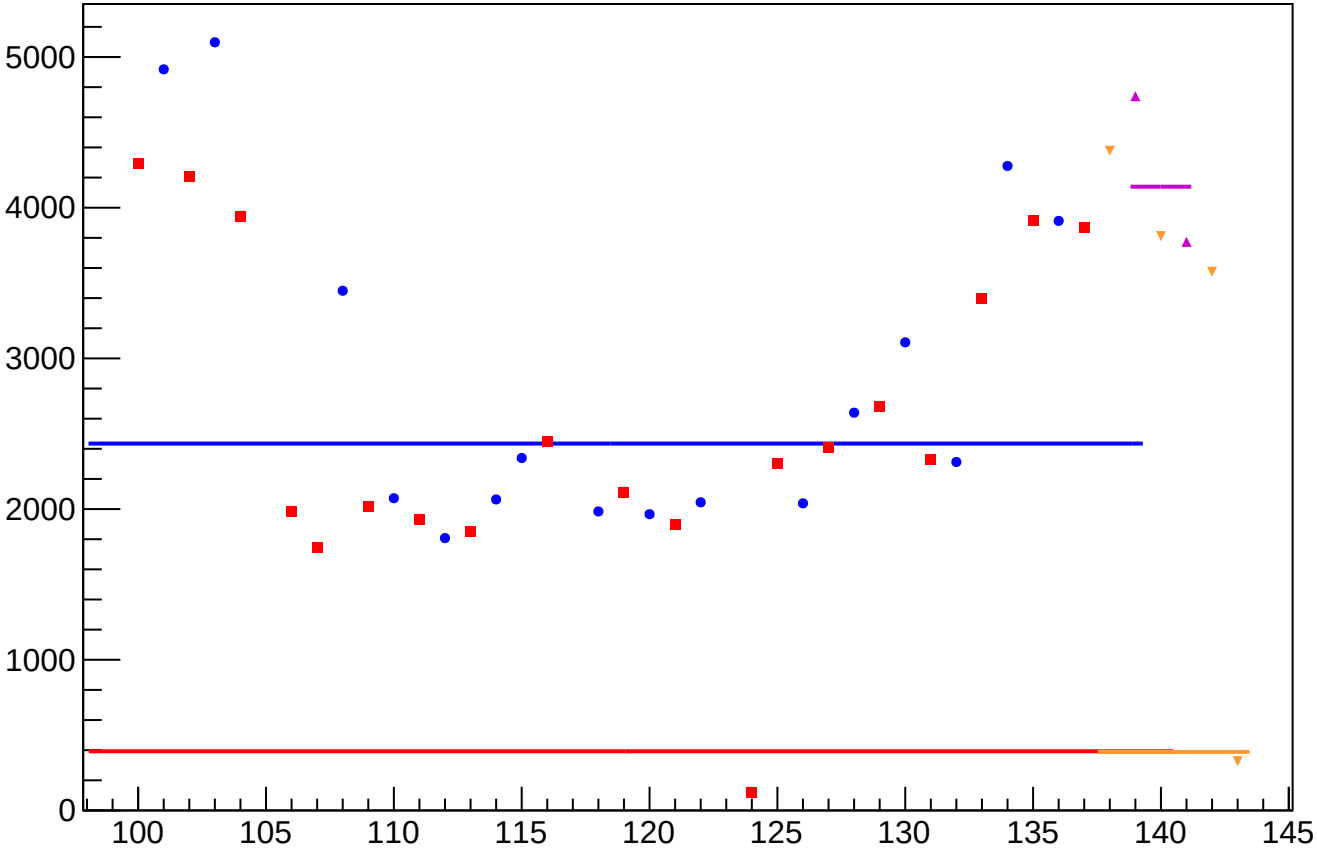
Left In: -934.502+/-3174.344 χ^2/NDF:0.2/1

\+ sign 72.666+/-337.903 χ^2/NDF: 18.1/19

All: 77.770+/-230.099 χ^2/NDF: 39.0/40

\- sign 82.183+/-314.207 χ^2/NDF: 20.9/20

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 388.358+/-0.255 χ^2/NDF:3376851.1/3

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

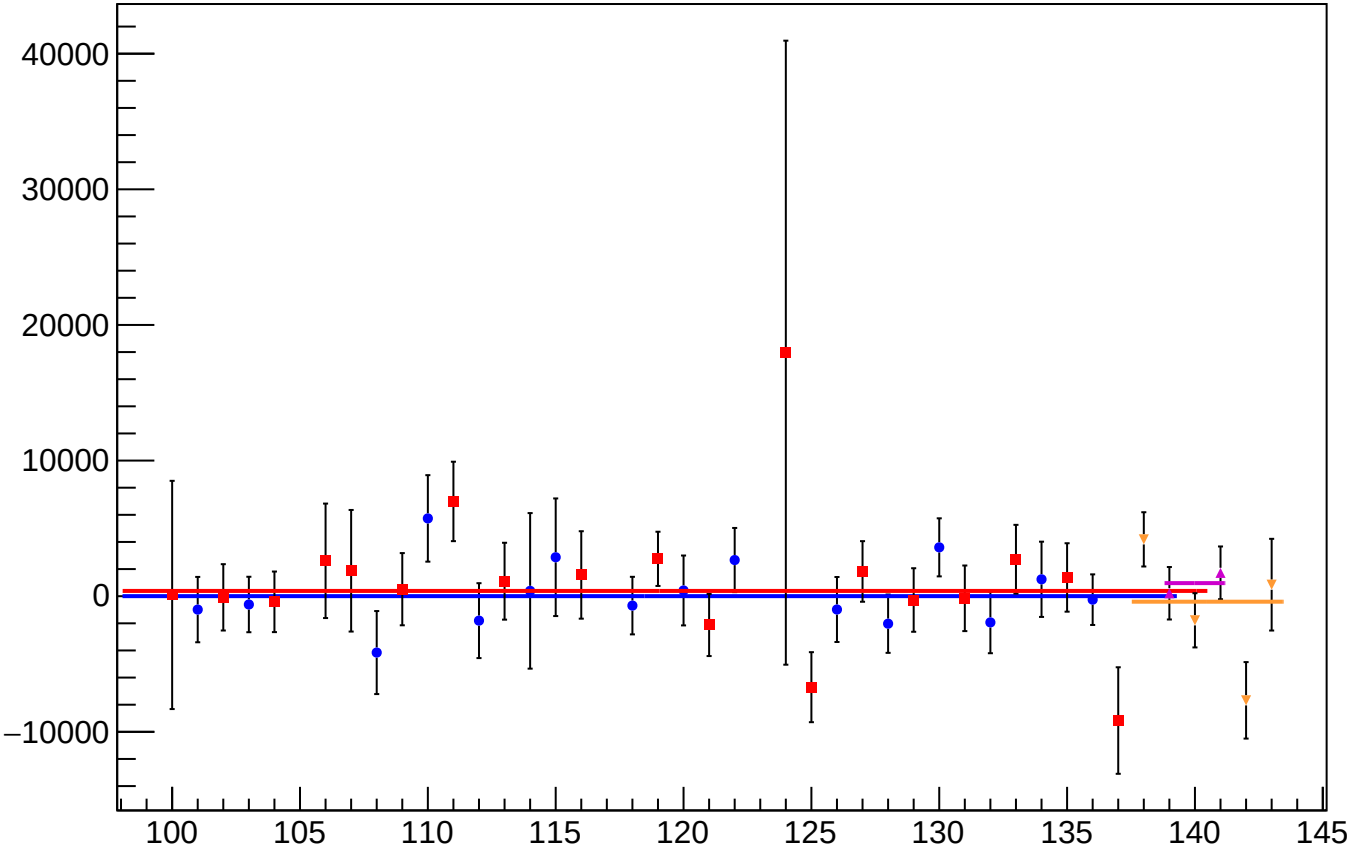
Left In: 4139.366+/-2.245 χ^2/NDF:43638.0/1

+ sign 641.387+/-0.239 χ^2/NDF: 12781417.0/19

All: 527.687+/-0.163 χ^2/NDF: 27414259.9/40

- sign 429.374+/-0.222 χ^2/NDF: 14210594.8/20

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: -405.015+/-1183.783 χ^2/NDF:12.5/3

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

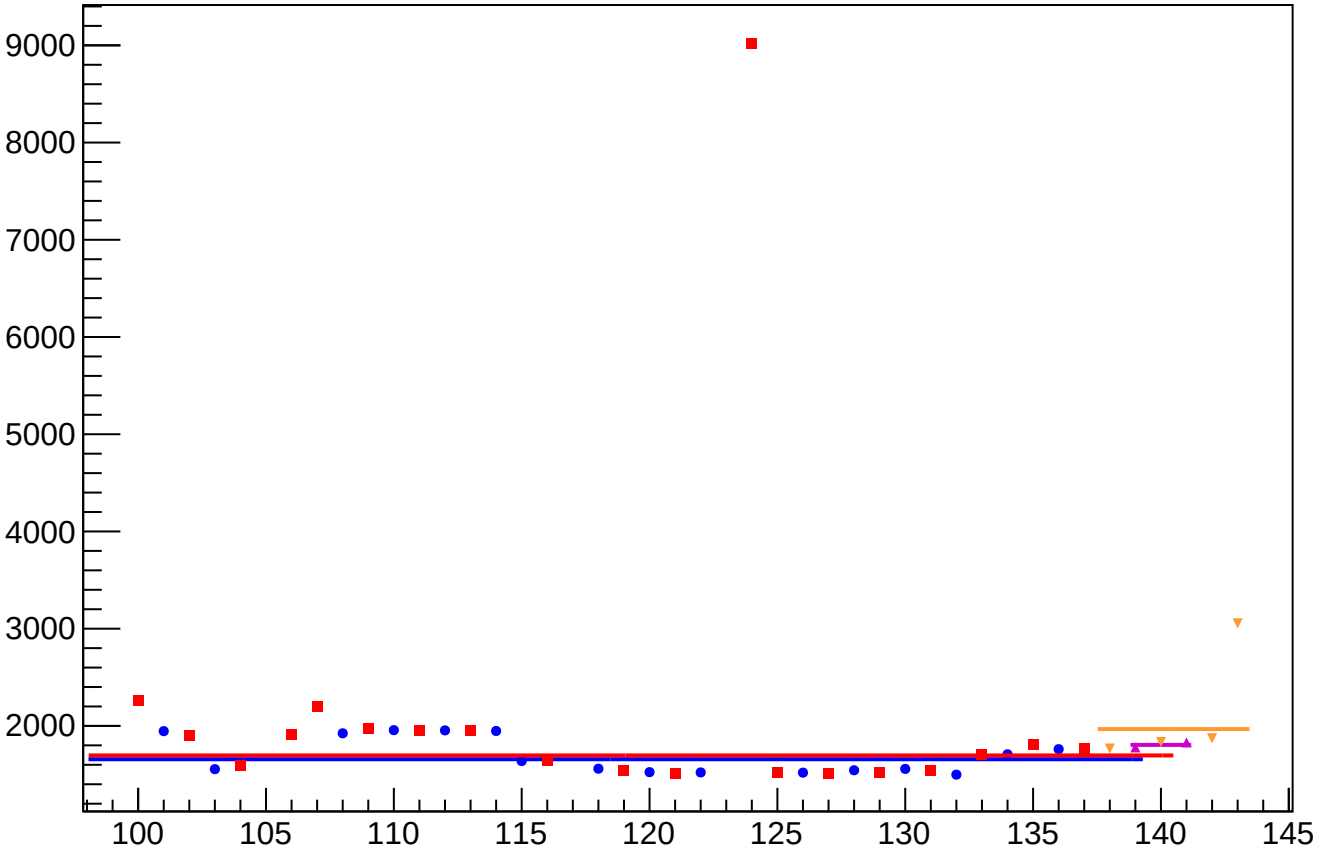
Left In: 965.124+/-1371.733 χ^2/NDF:0.3/1

+ sign -83.792+/-549.164 χ^2/NDF: 25.1/19

All: 189.966+/-397.226 χ^2/NDF: 50.1/40

- sign 490.371+/-575.270 χ^2/NDF: 24.5/20

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.7/3

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

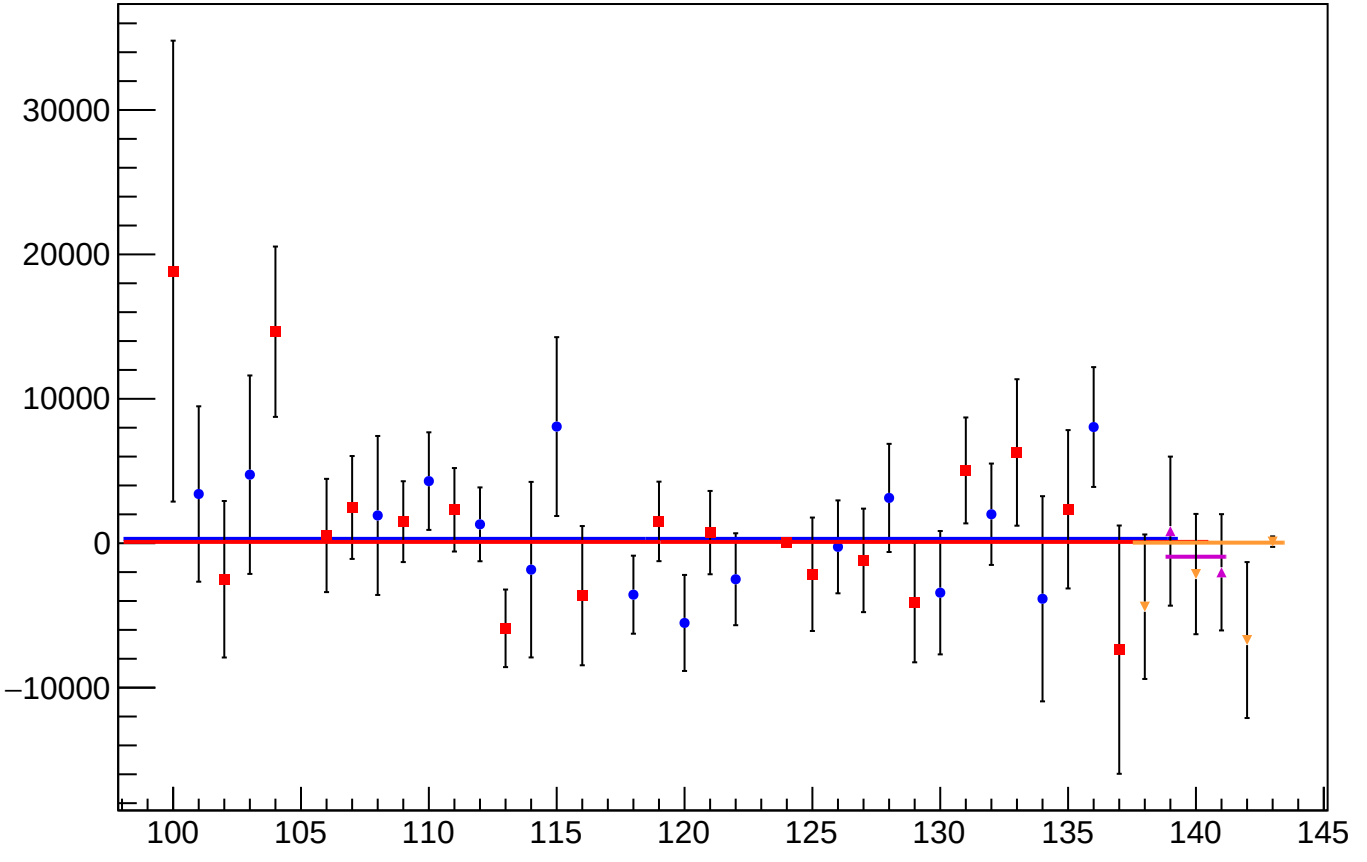
Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

+ sign 1723.898+/-0.388 χ^2/NDF: 489676.3/19

All: 1719.799+/-0.280 χ^2/NDF: 888835.1/40

- sign 1715.333+/-0.405 χ^2/NDF: 398926.0/20

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 40.332+/-360.954 χ^2/NDF:2.7/3

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

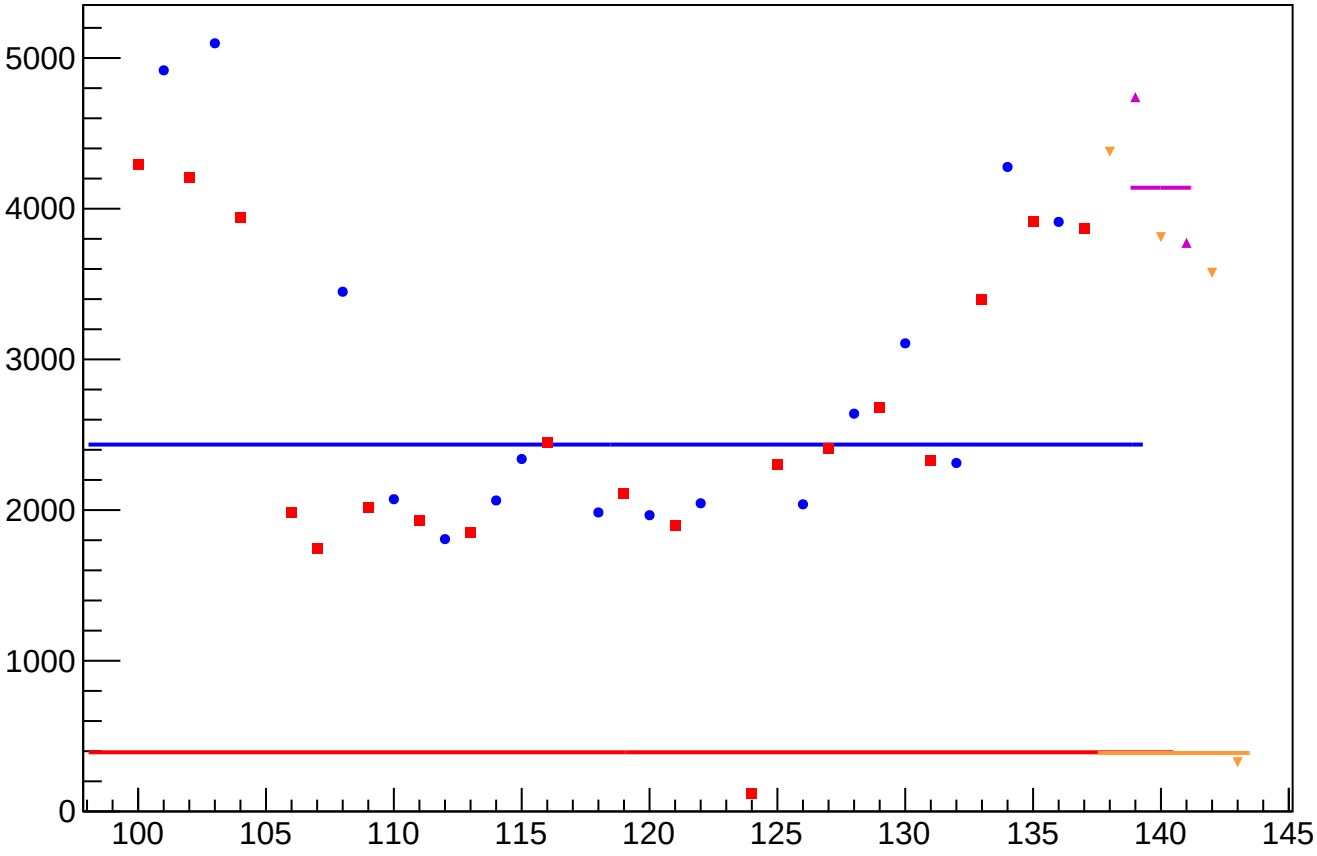
Left In: -934.502+/-3174.344 χ^2/NDF:0.2/1

\+ sign 72.666+/-337.903 χ^2/NDF: 18.1/19

All: 77.770+/-230.099 χ^2/NDF: 39.0/40

\- sign 82.183+/-314.207 χ^2/NDF: 20.9/20

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 388.358+/-0.255 χ^2/NDF:3376851.1/3

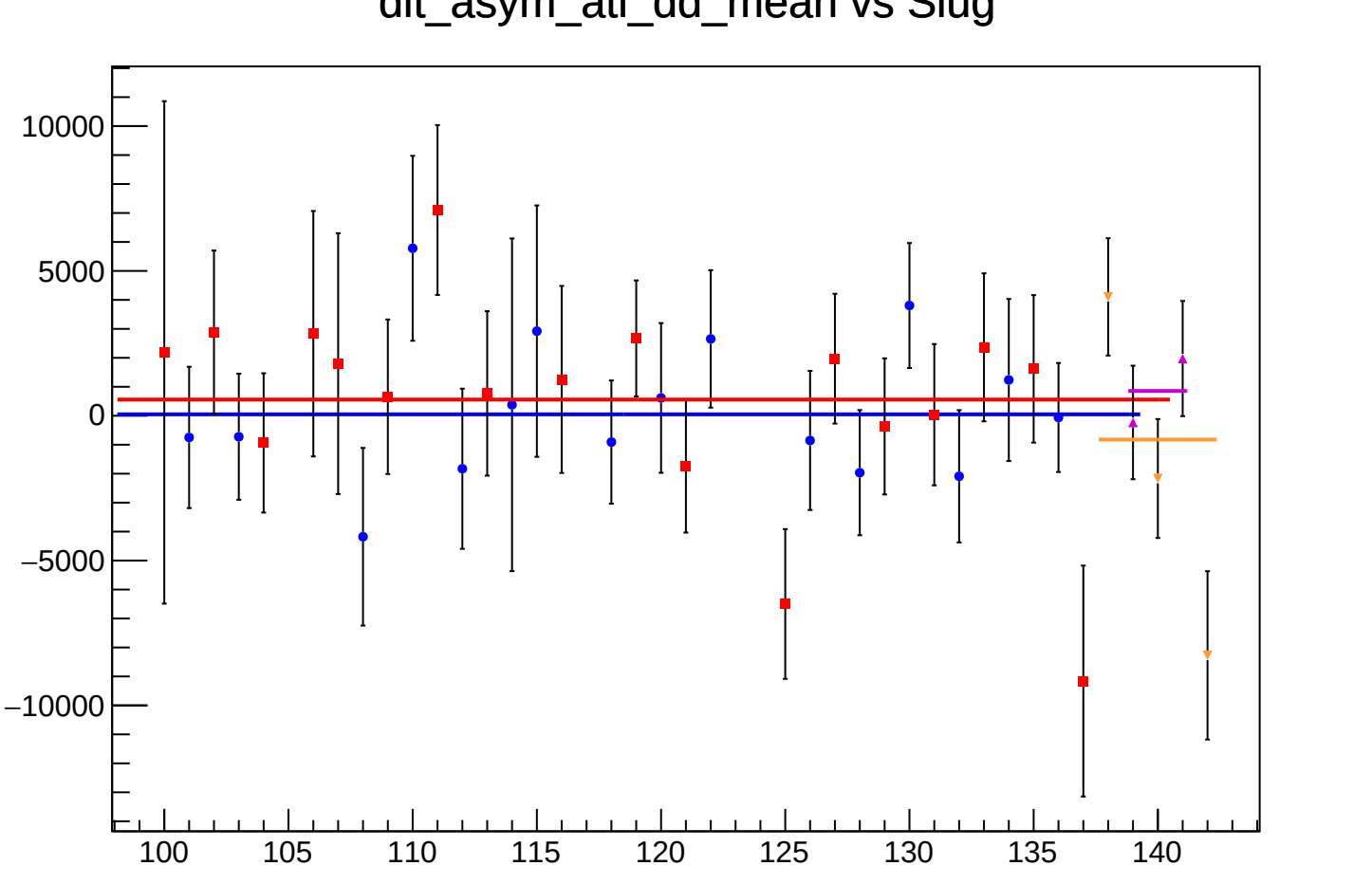
Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4139.366+/-2.245 χ^2/NDF:43638.0/1

+ sign 641.387+/-0.239 χ^2/NDF: 12781417.0/19

All: 527.687+/-0.163 χ^2/NDF: 27414259.9/40

- sign 429.374+/-0.222 χ^2/NDF: 14210594.8/20



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: -822.753+/-1291.616 χ^2/NDF:12.9/2

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

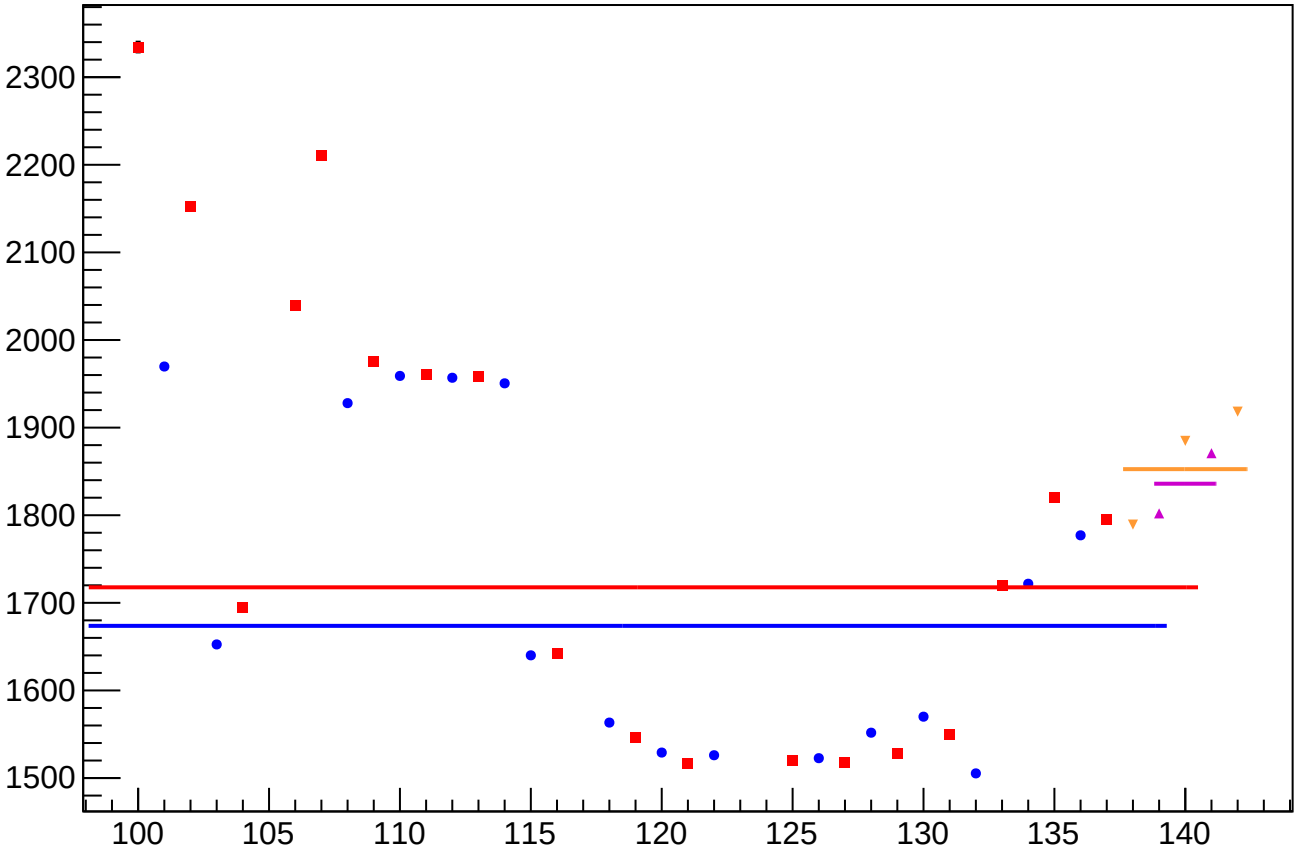
Left In: 855.865+/-1395.913 χ^2/NDF:0.6/1

+ sign -117.429+/-563.434 χ^2/NDF: 26.1/18

All: 233.022+/-406.063 χ^2/NDF: 50.8/38

- sign 611.762+/-585.735 χ^2/NDF: 23.9/19

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1852.606+/-0.913 χ^2/NDF:3466.8/2

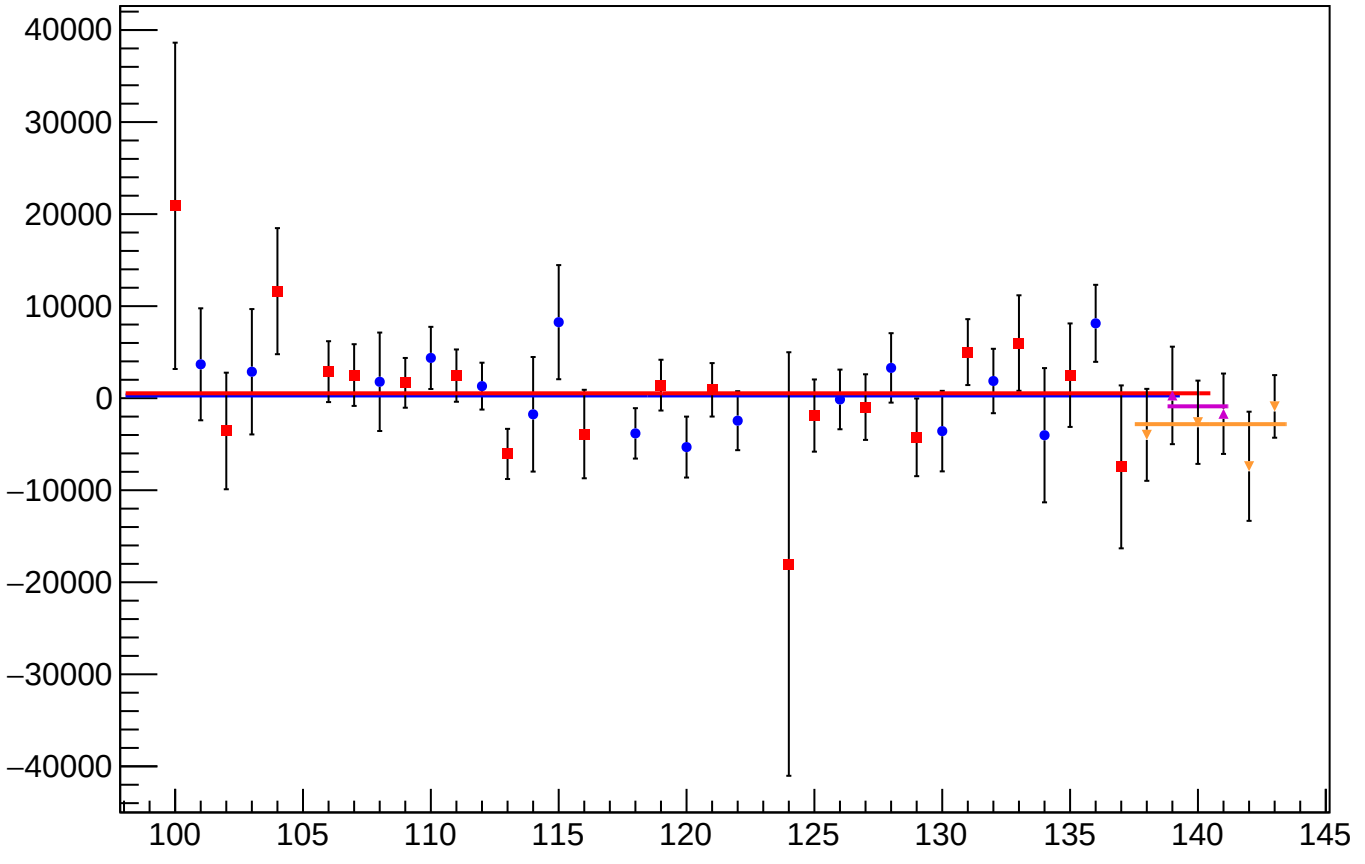
Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1835.965+/-0.987 χ^2/NDF:1210.5/1

\+ sign 1707.767+/-0.398 χ^2/NDF: 175399.9/18

All: 1722.545+/-0.287 χ^2/NDF: 418944.7/38

\- sign 1738.455+/-0.413 χ^2/NDF: 240687.7/19



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -2821.277+/-2215.183 χ^2/NDF:1.0/3

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

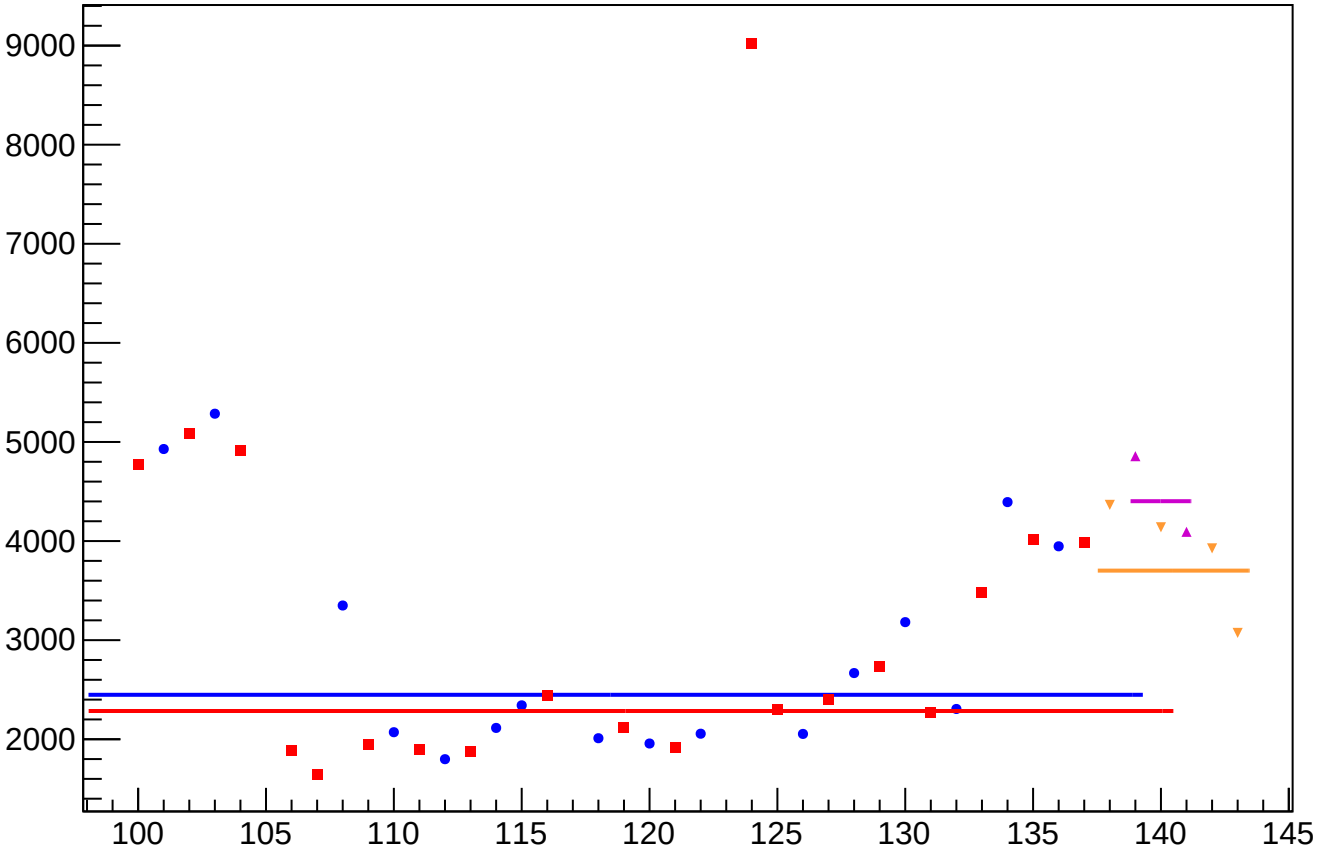
Left In: -884.142+/-3369.546 χ^2/NDF:0.1/1

+ sign -200.504+/-884.450 χ^2/NDF: 17.9/19

All: 130.516+/-614.737 χ^2/NDF: 37.2/40

- sign 439.884+/-855.035 χ^2/NDF: 19.0/20

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3701.775+/-1.566 χ^2/NDF:125123.6/3

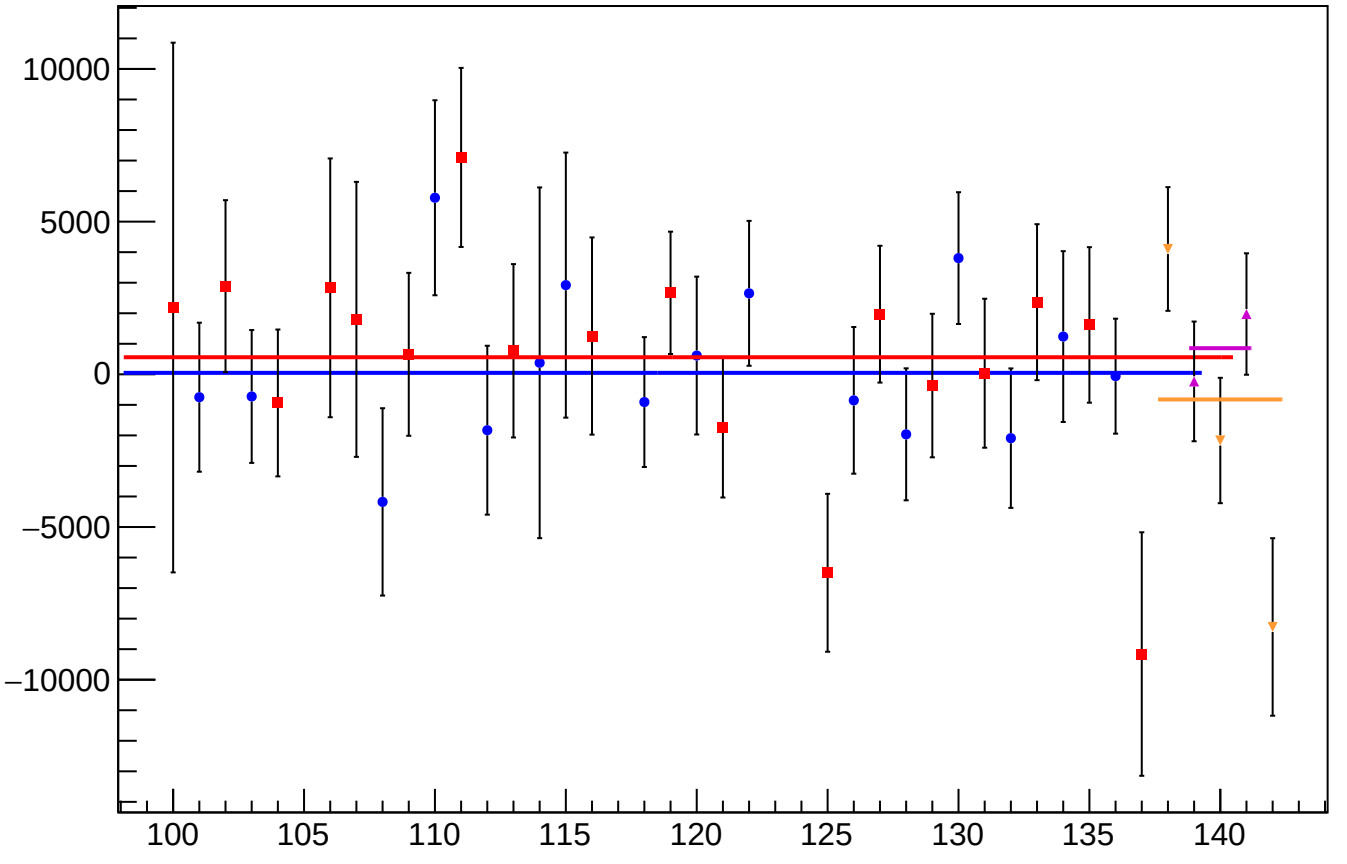
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4402.373+/-2.383 χ^2/NDF:24715.5/1

+ sign 2648.372+/-0.625 χ^2/NDF: 2180753.1/19

All: 2531.054+/-0.435 χ^2/NDF: 4561197.2/40

- sign 2421.410+/-0.605 χ^2/NDF: 2312366.7/20



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: -822.766+/-1291.617 χ^2/NDF:12.9/2

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

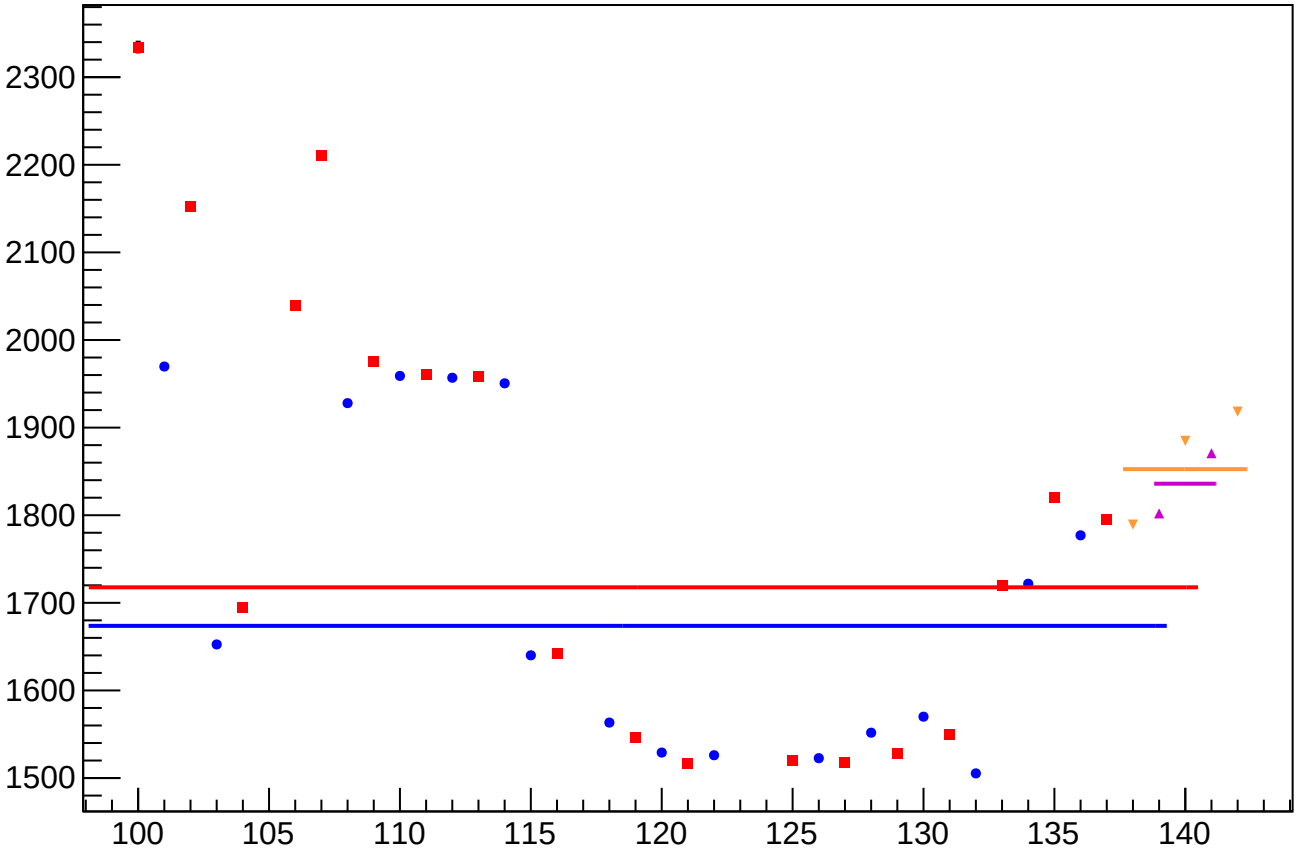
Left In: 855.865+/-1395.914 χ^2/NDF:0.6/1

+ sign -117.433+/-563.434 χ^2/NDF: 26.1/18

All: 233.020+/-406.063 χ^2/NDF: 50.8/38

- sign 611.763+/-585.735 χ^2/NDF: 23.9/19

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1852.607+/-0.913 χ^2/NDF:3466.9/2

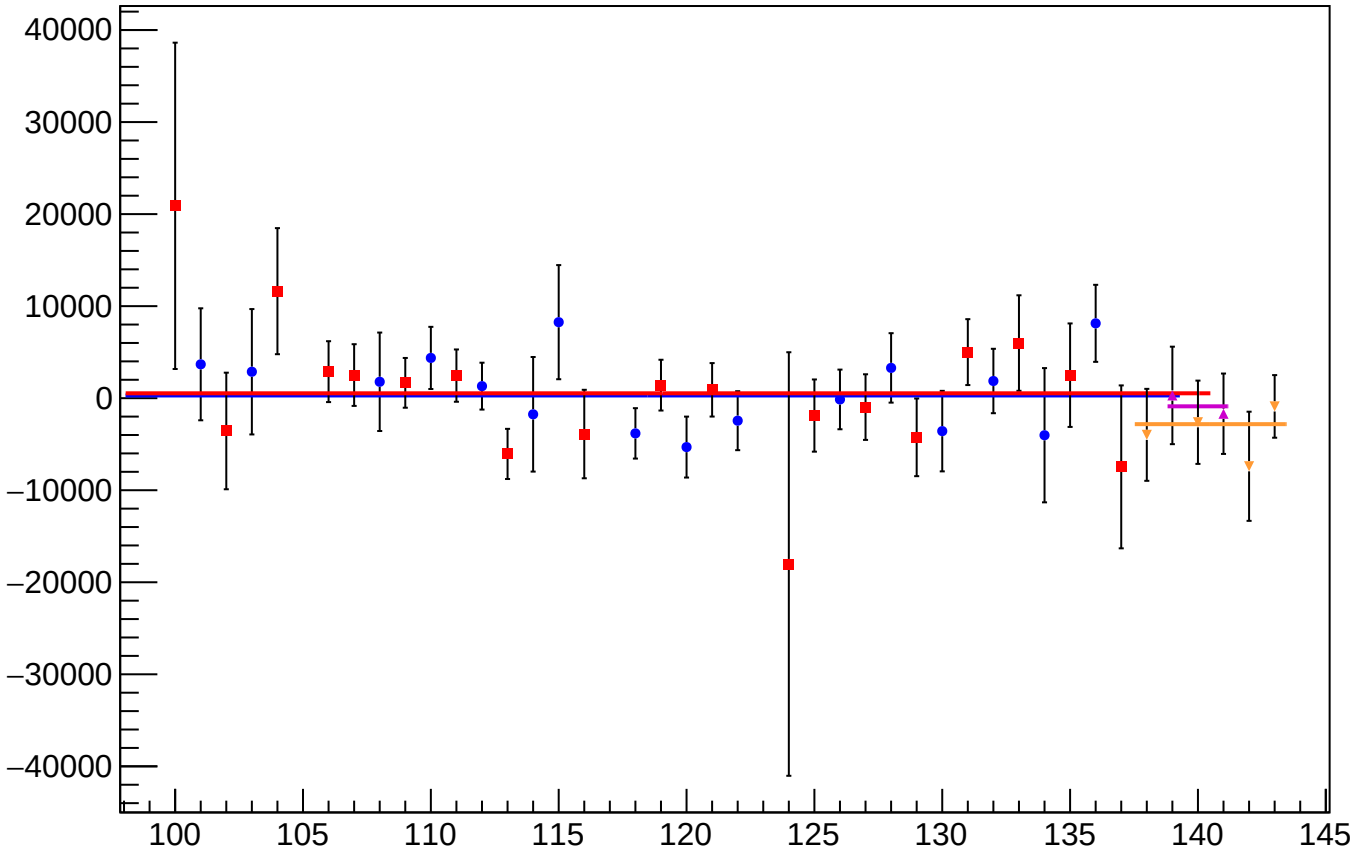
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1835.967+/-0.987 χ^2/NDF:1210.5/1

\+ sign 1707.767+/-0.398 χ^2/NDF: 175400.4/18

All: 1722.545+/-0.287 χ^2/NDF: 418944.7/38

\- sign 1738.455+/-0.413 χ^2/NDF: 240687.2/19



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -2821.282+/-2215.187 χ^2/NDF:1.0/3

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

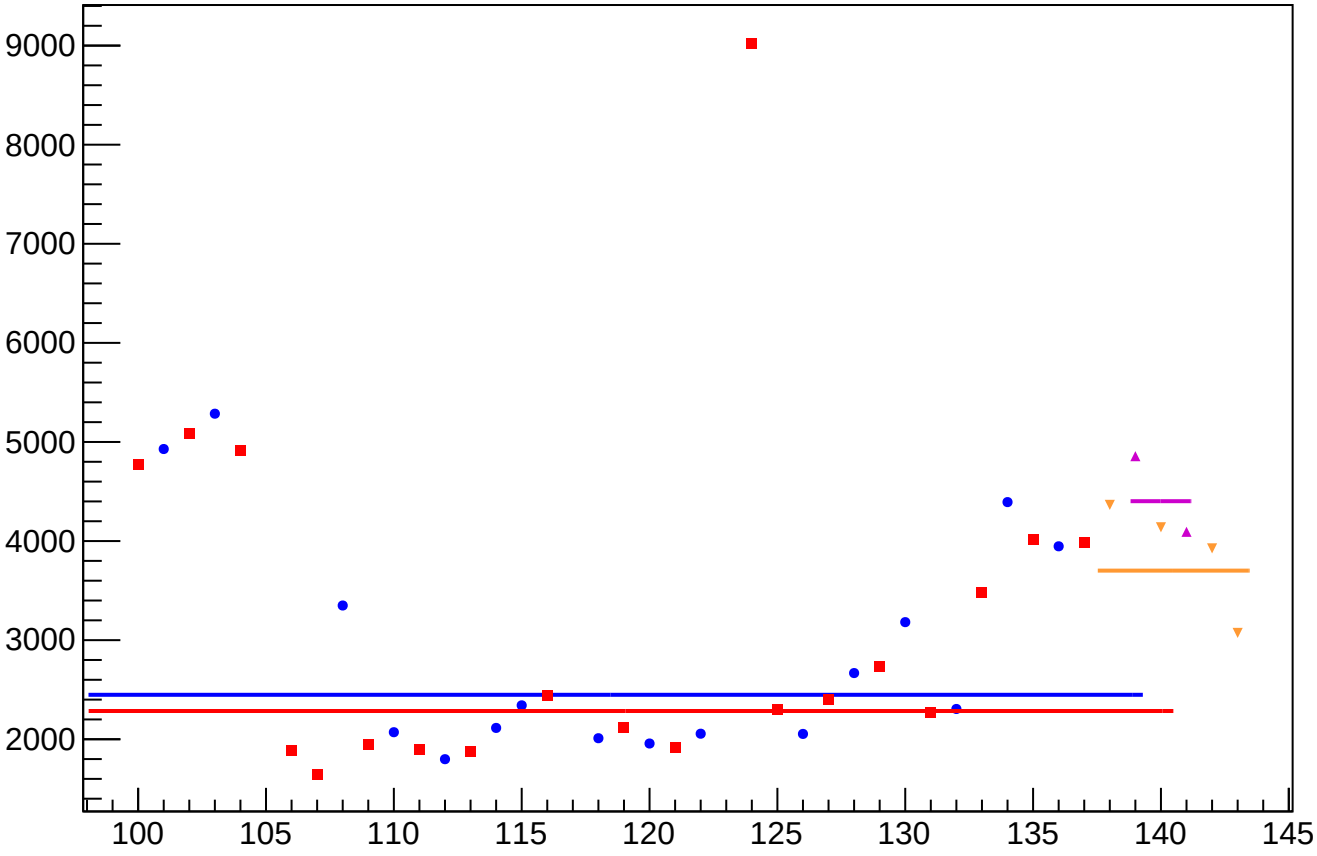
Left In: -884.144+/-3369.555 χ^2/NDF:0.1/1

\+ sign -200.505+/-884.447 χ^2/NDF: 17.9/19

All: 130.517+/-614.735 χ^2/NDF: 37.2/40

\- sign 439.887+/-855.033 χ^2/NDF: 19.0/20

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3701.780+/-1.566 χ^2/NDF:125126.0/3

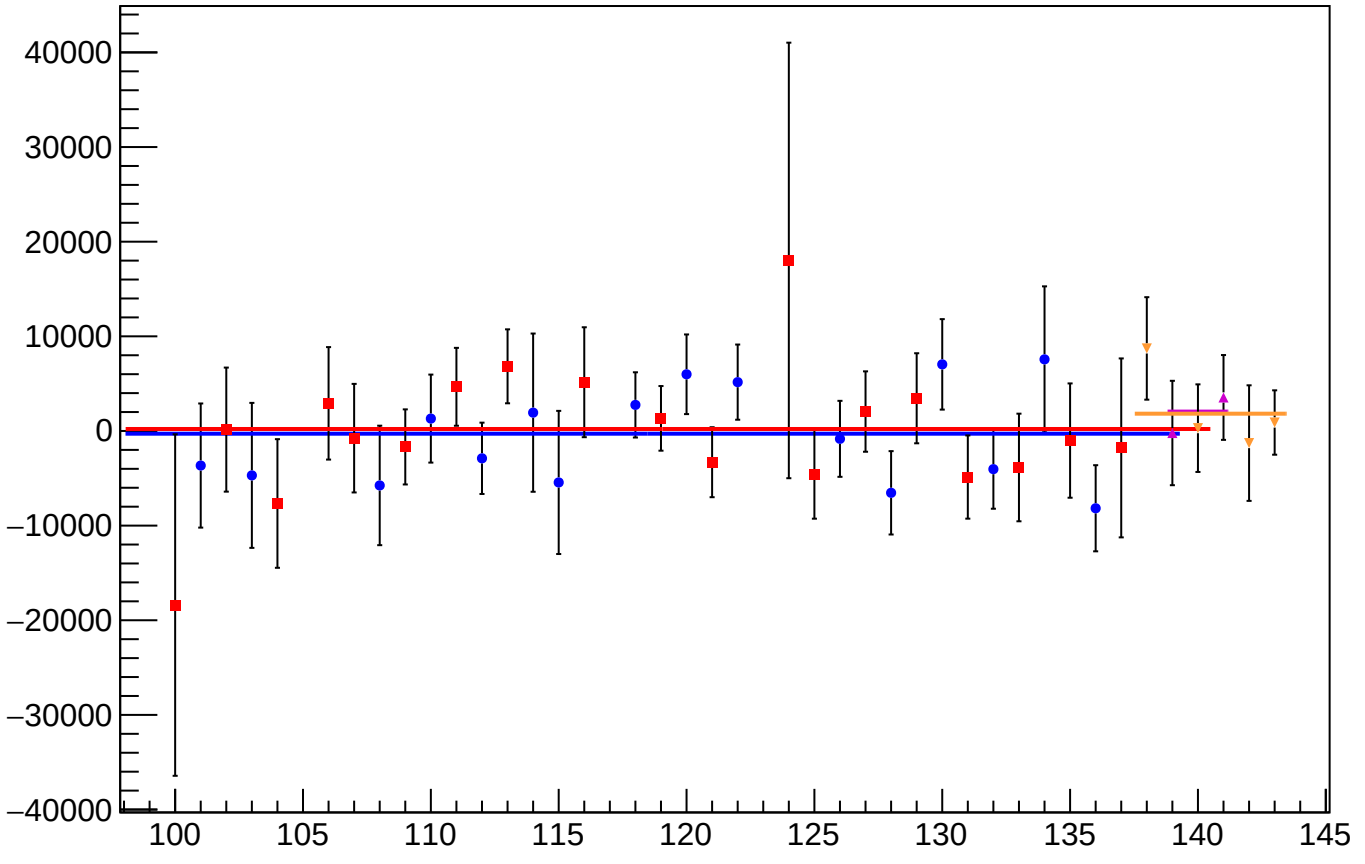
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4402.384+/-2.383 χ^2/NDF:24716.2/1

+ sign 2648.362+/-0.625 χ^2/NDF: 2180781.4/19

All: 2531.045+/-0.435 χ^2/NDF: 4561244.3/40

- sign 2421.401+/-0.605 χ^2/NDF: 2312385.8/20



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1825.774+/-2270.064 χ^2/NDF:2.1/3

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

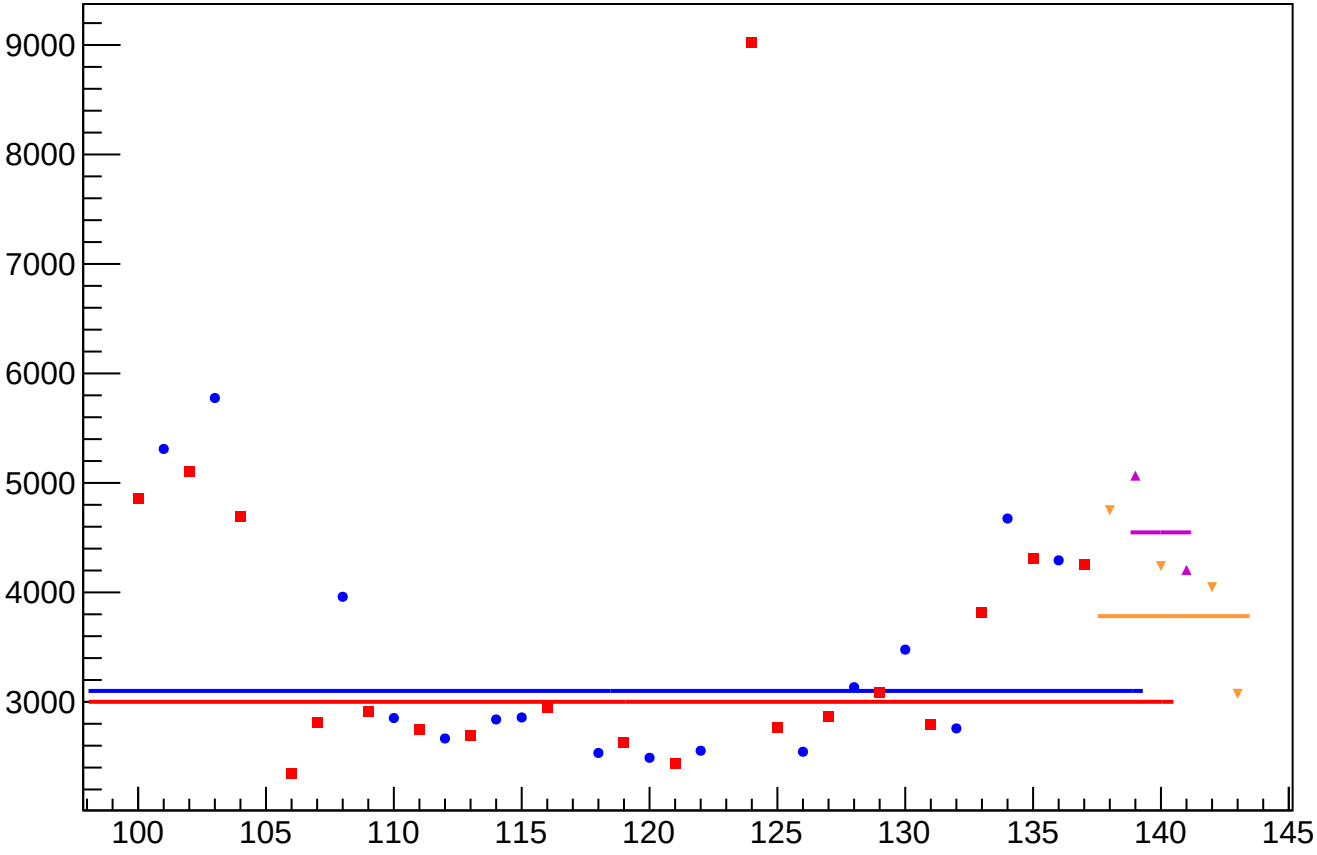
Left In: 2047.309+/-3477.893 χ^2/NDF:0.3/1

\+ sign 172.630+/-1059.053 χ^2/NDF: 19.3/19

All: 278.491+/-761.275 χ^2/NDF: 32.7/40

\- sign 391.673+/-1095.060 χ^2/NDF: 13.4/20

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3783.404+/-1.605 χ^2/NDF:174191.3/3

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

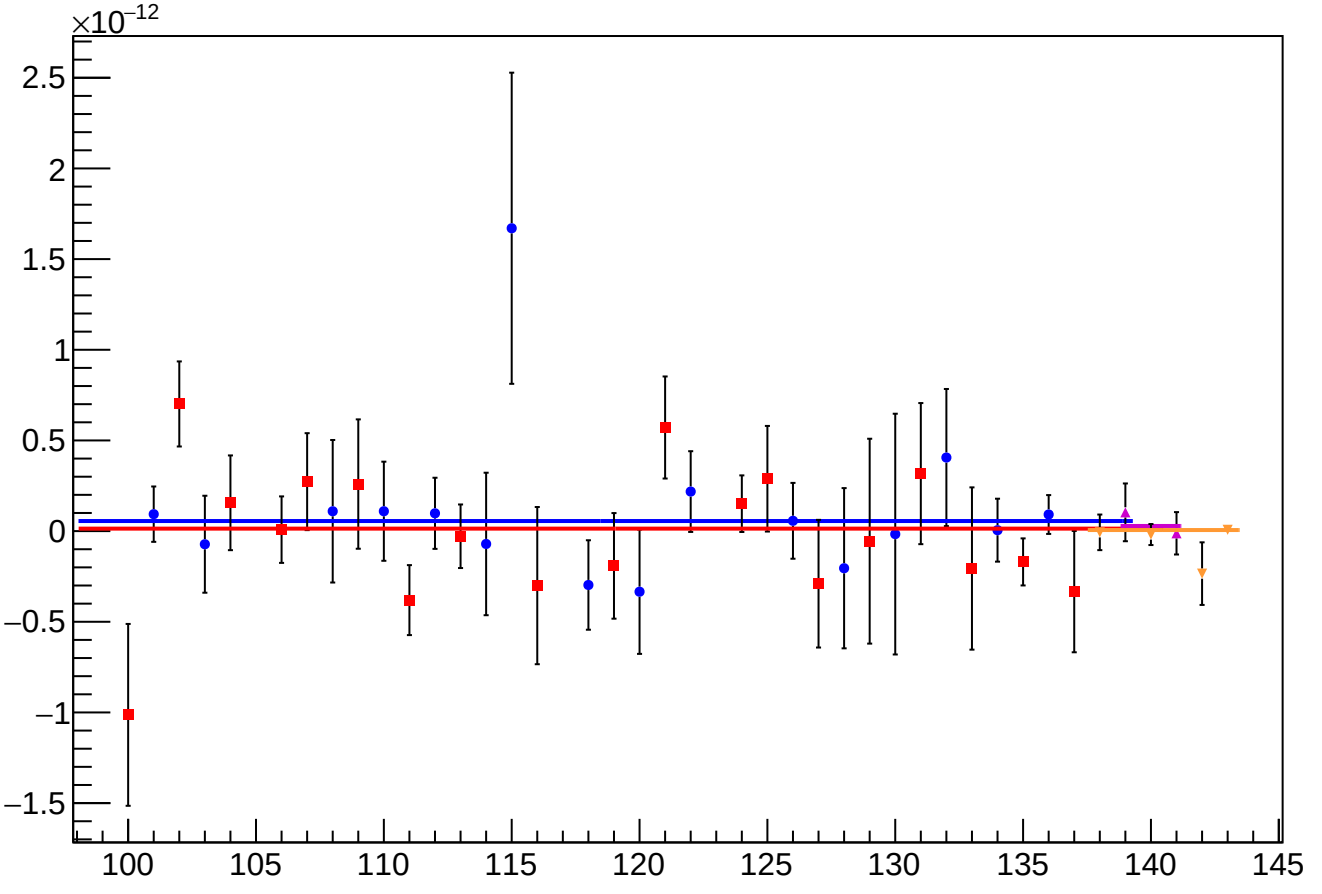
Left In: 4548.294+/-2.459 χ^2/NDF:29362.4/1

+ sign 3248.848+/-0.749 χ^2/NDF: 1279616.0/19

All: 3200.693+/-0.535 χ^2/NDF: 2481710.9/40

- sign 3150.455+/-0.765 χ^2/NDF: 1193646.0/20

asym_atl_dd_reg_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:2.2/3

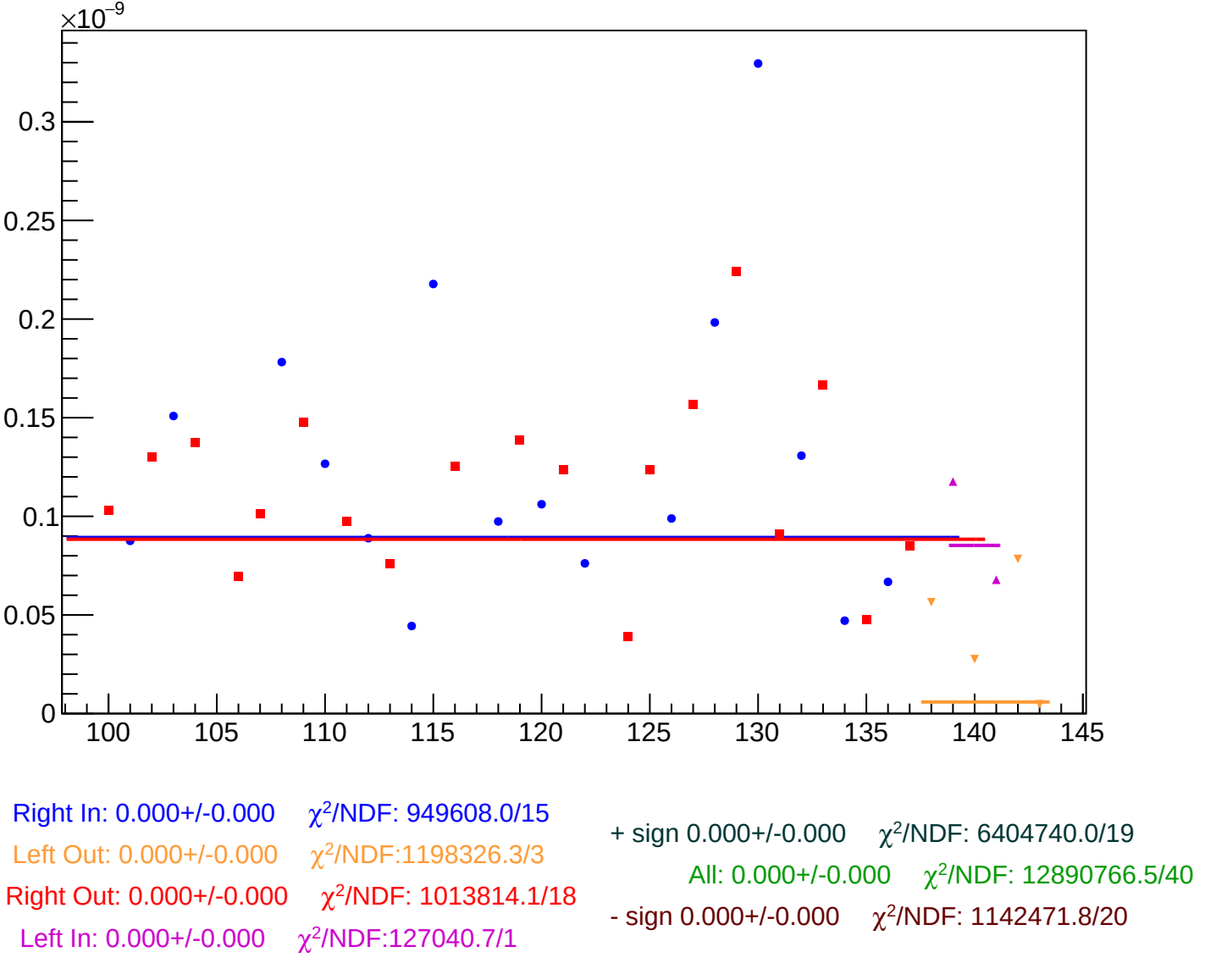
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

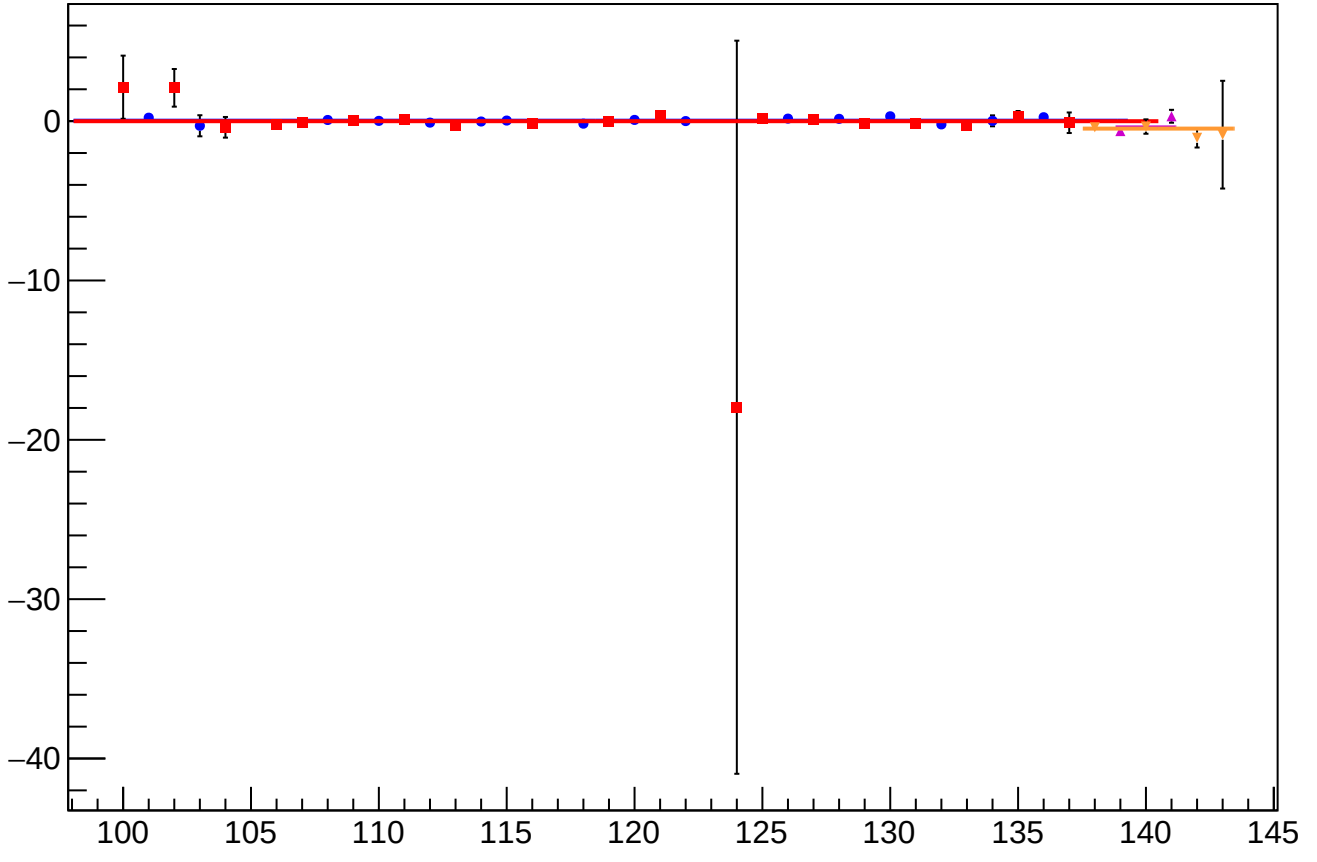
+ sign 0.000+/-0.000 χ^2/NDF: 12.2/19

All: 0.000+/-0.000 χ^2/NDF: 42.7/40

- sign 0.000+/-0.000 χ^2/NDF: 30.4/20


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:1198326.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:127040.7/1
+ sign 0.000+/-0.000 χ²/NDF: 6404740.0/19
All: 0.000+/-0.000 χ²/NDF: 12890766.5/40
- sign 0.000+/-0.000 χ²/NDF: 1142471.8/20

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

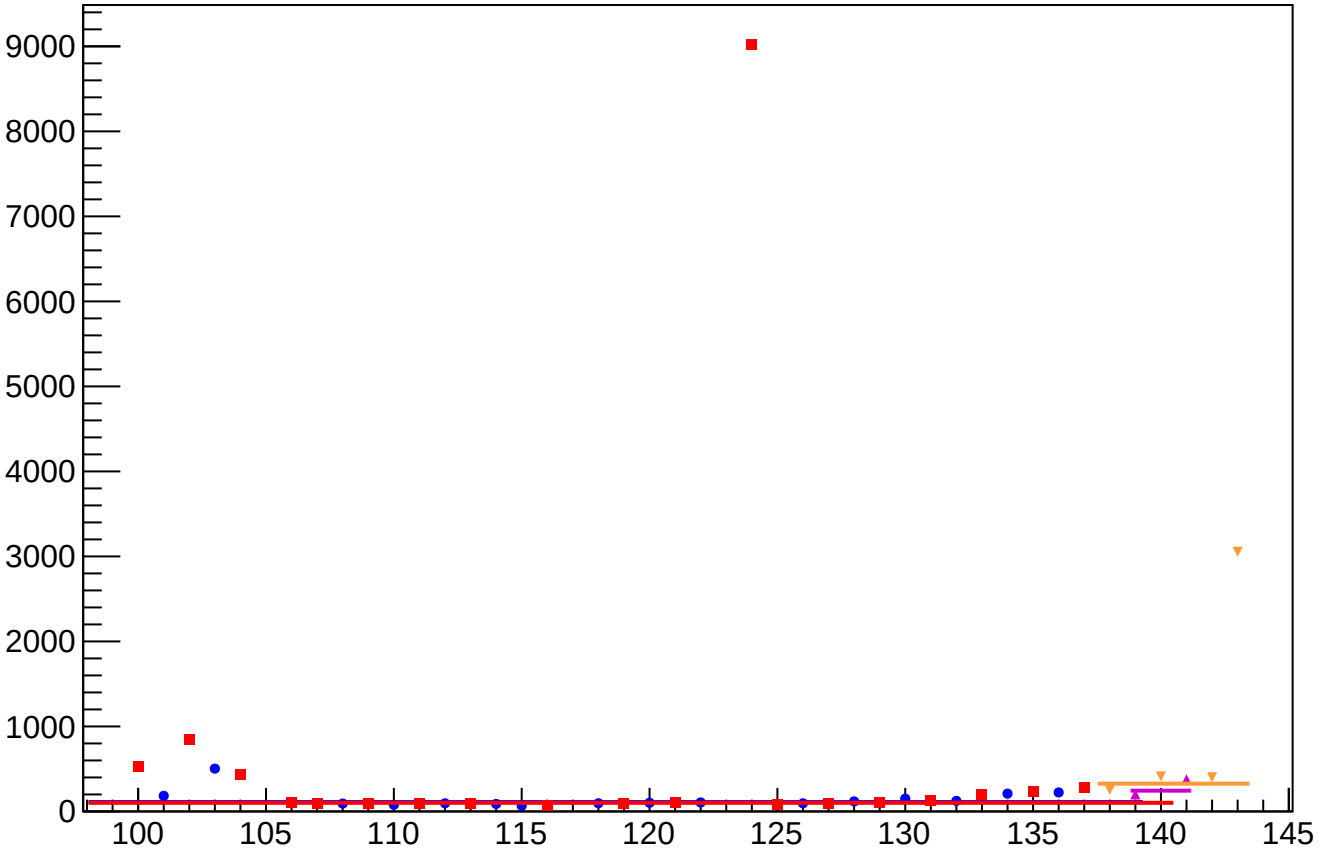
Left In: -0.393+/-0.201 χ^2/NDF:4.0/1

+ sign 0.009+/-0.044 χ^2/NDF: 14.5/19

All: -0.006+/-0.031 χ^2/NDF: 44.7/40

- sign -0.021+/-0.042 χ^2/NDF: 29.9/20

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 326.802+/-0.161 χ^2/NDF:1527400.1/3

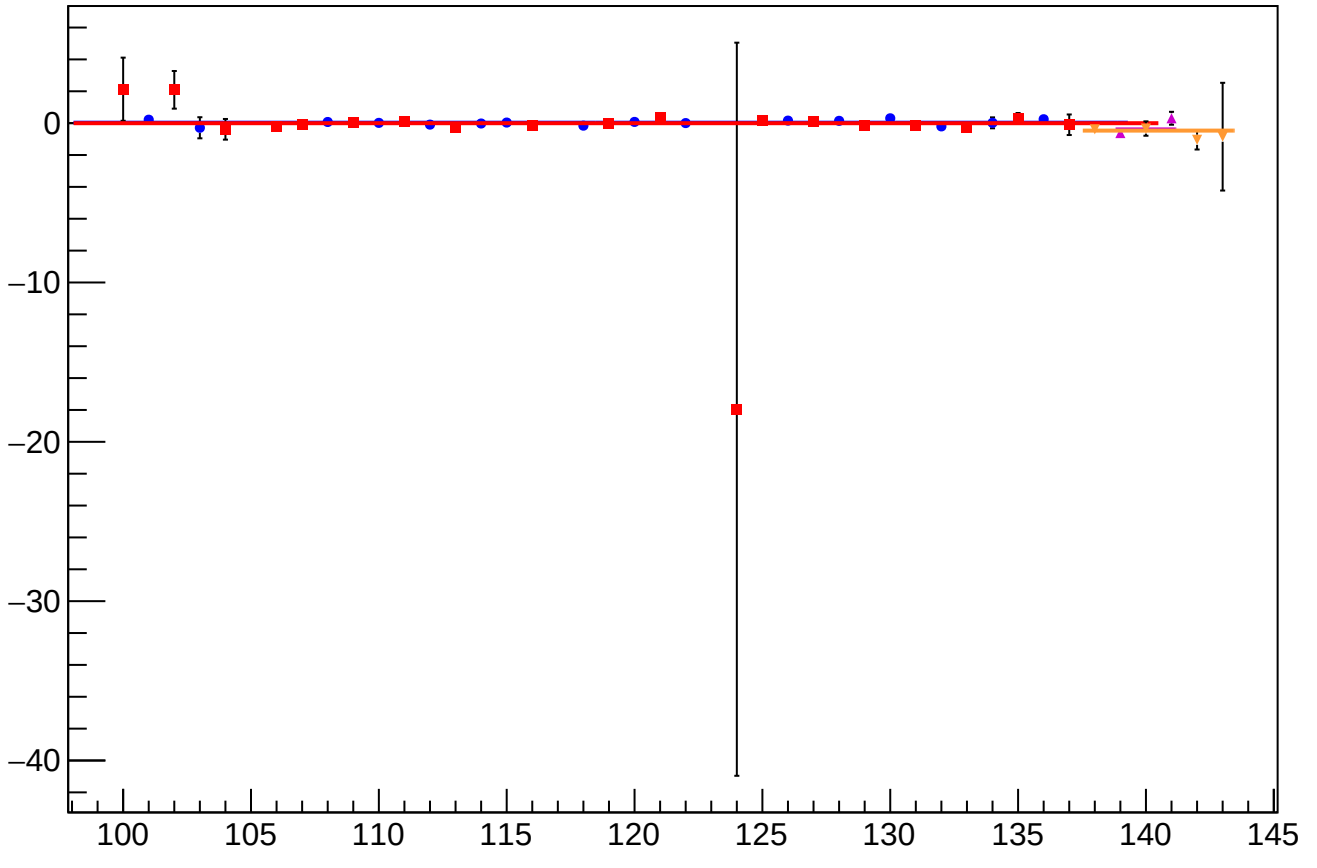
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 244.644+/-0.142 χ^2/NDF:293529.3/1

+ sign 118.257+/-0.031 χ^2/NDF: 5205279.1/19

All: 112.990+/-0.022 χ^2/NDF: 9104975.4/40

- sign 108.193+/-0.030 χ^2/NDF: 3845980.8/20



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

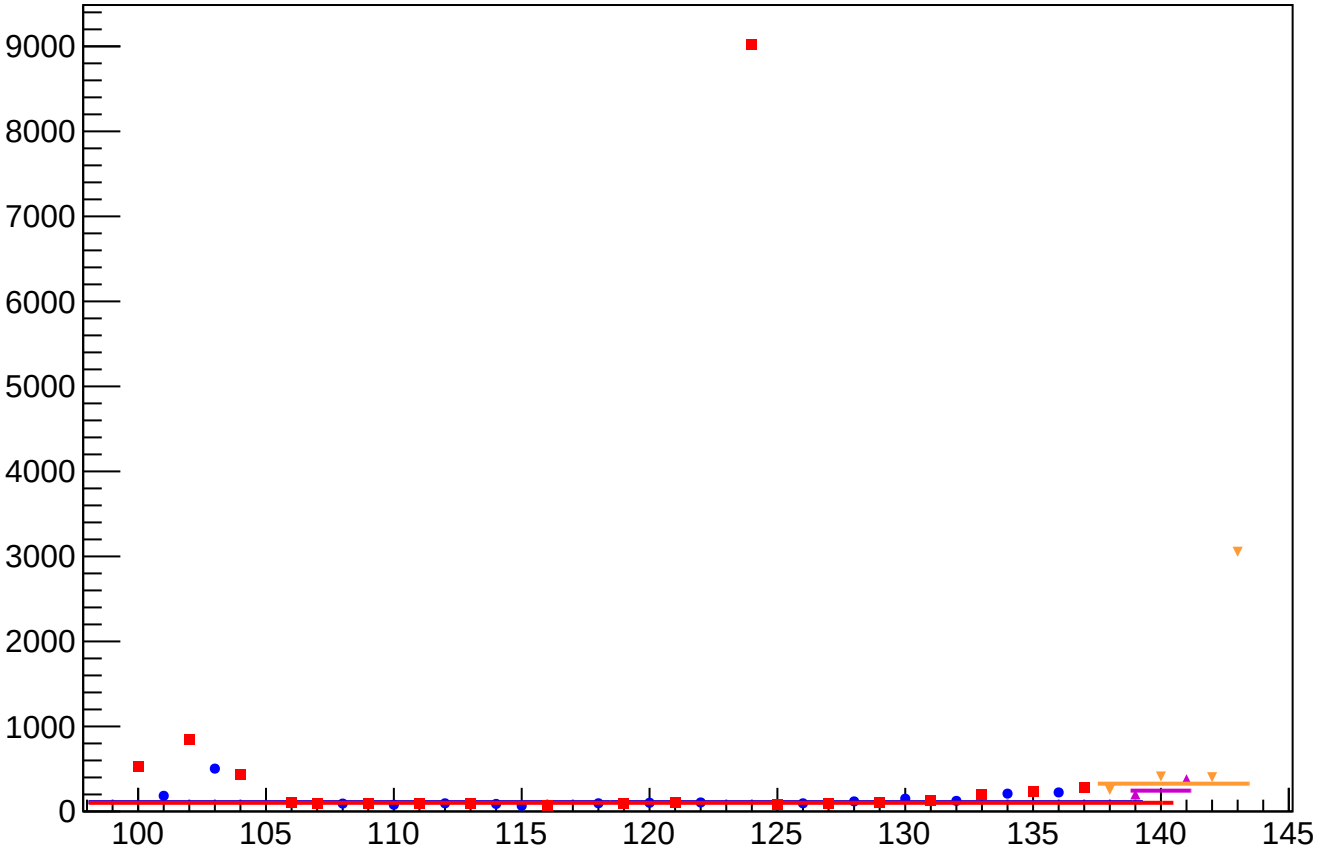
Left In: -0.393+/-0.201 χ^2/NDF:4.0/1

+ sign 0.009+/-0.044 χ^2/NDF: 14.5/19

All: -0.006+/-0.031 χ^2/NDF: 44.7/40

- sign -0.021+/-0.042 χ^2/NDF: 29.9/20

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: 326.802+/-0.161 χ^2/NDF:1527400.1/3

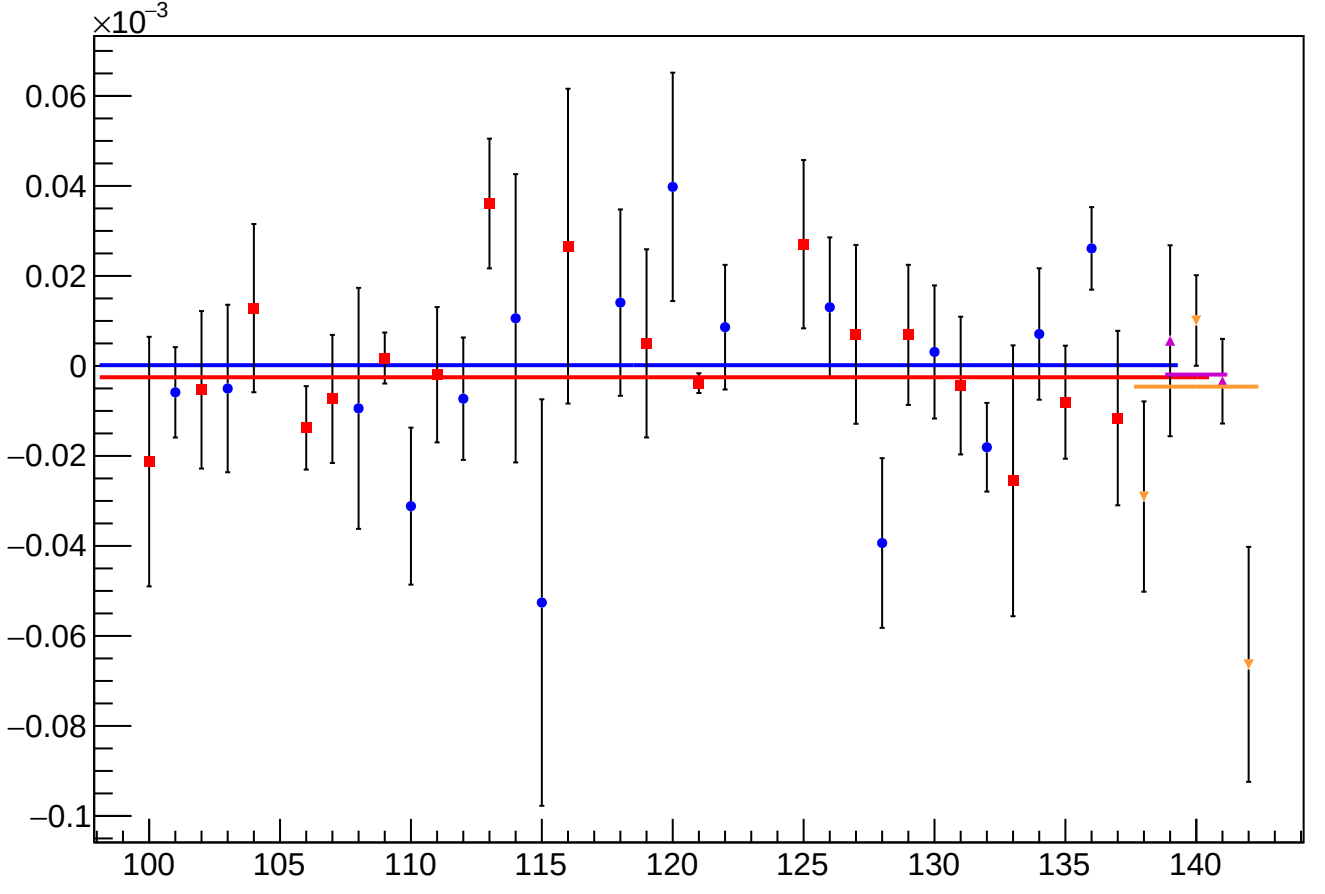
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 244.644+/-0.142 χ^2/NDF:293529.3/1

+ sign 118.257+/-0.031 χ^2/NDF: 5205279.1/19

All: 112.990+/-0.022 χ^2/NDF: 9104975.4/40

- sign 108.193+/-0.030 χ^2/NDF: 3845980.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/2

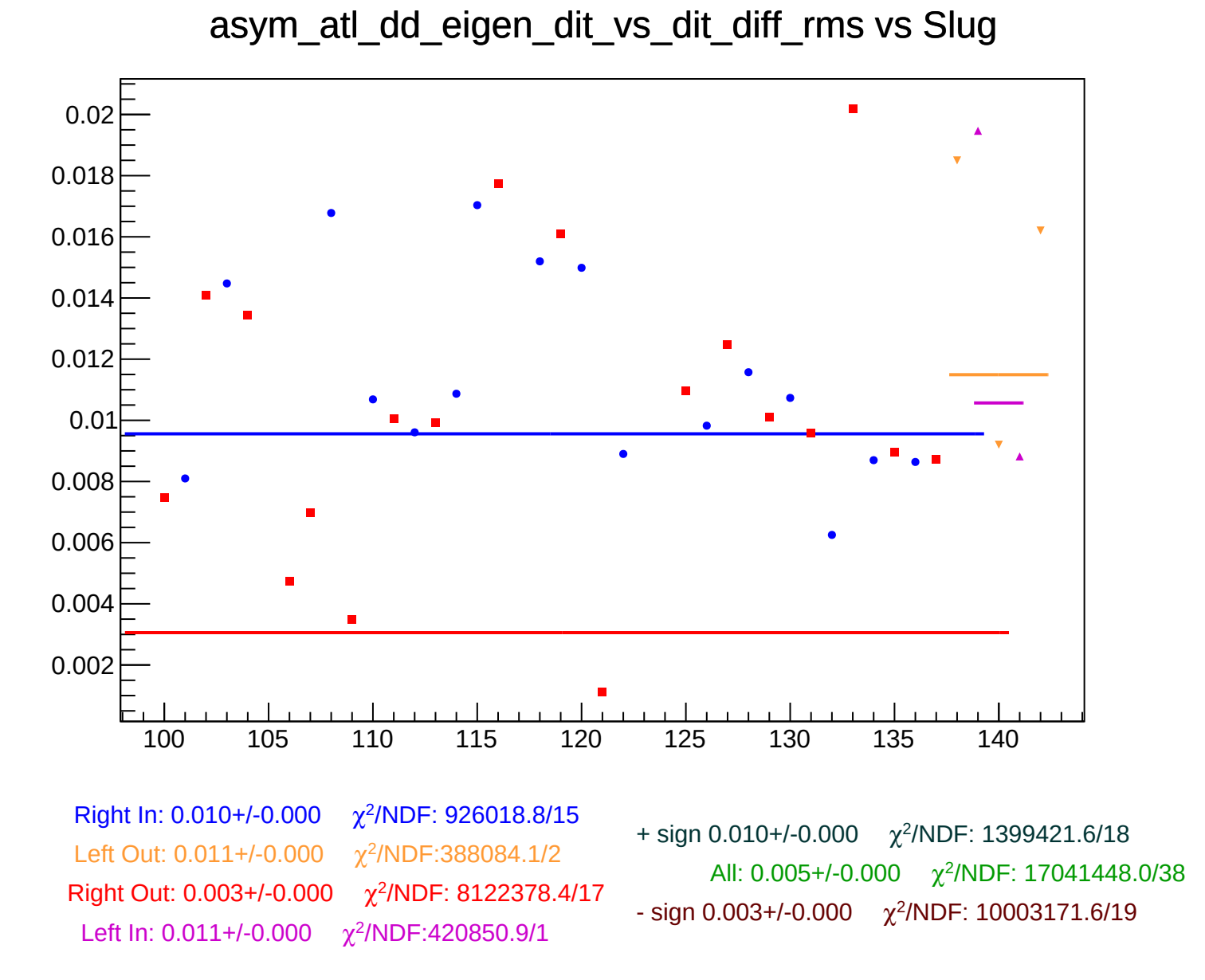
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

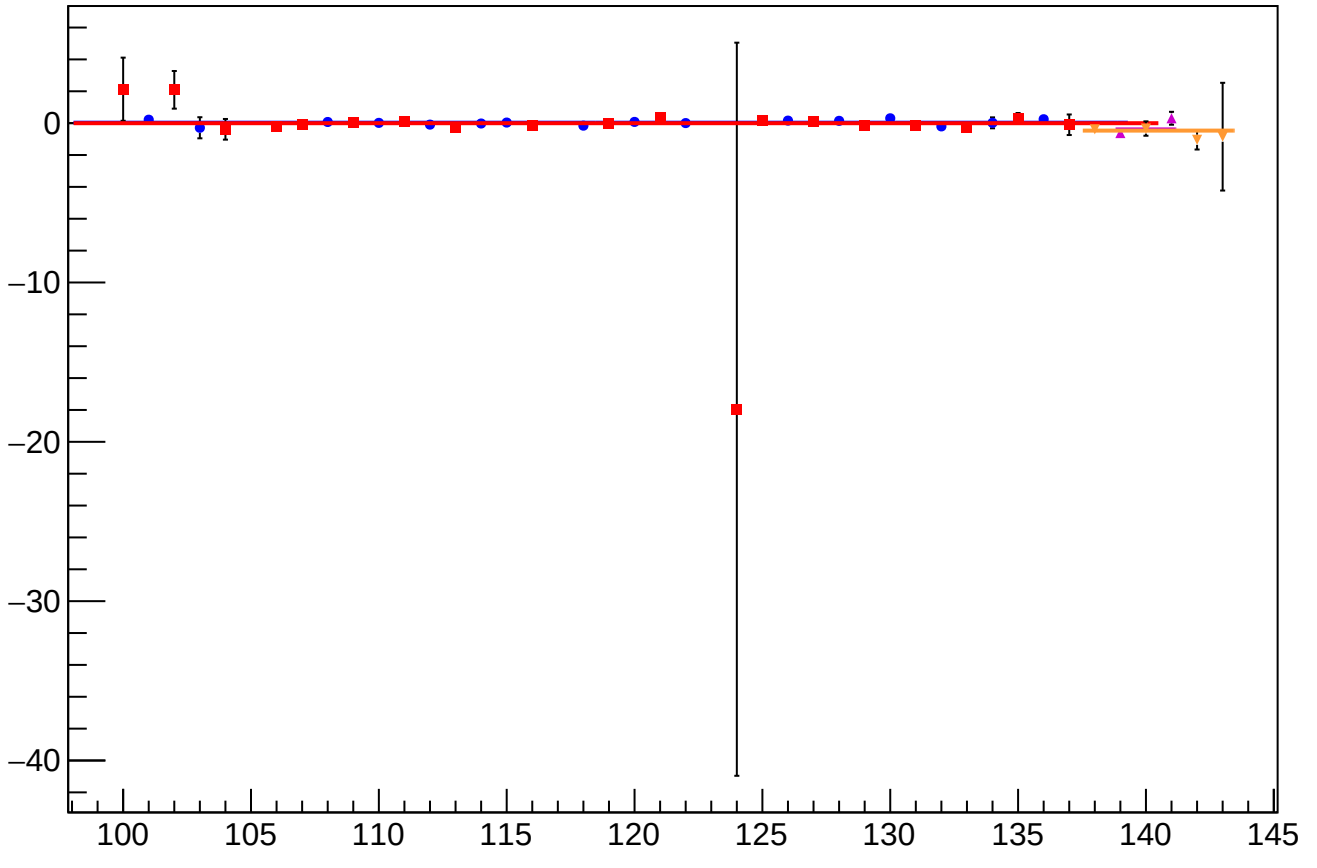
Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/18

All: -0.000+/-0.000 χ^2/NDF: 51.1/38

- sign -0.000+/-0.000 χ^2/NDF: 15.9/19


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
140
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.011+/-0.000 χ²/NDF:388084.1/2
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.011+/-0.000 χ²/NDF:420850.9/1
+ sign 0.010+/-0.000 χ²/NDF: 1399421.6/18
All: 0.005+/-0.000 χ²/NDF: 17041448.0/38
- sign 0.003+/-0.000 χ²/NDF: 10003171.6/19



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

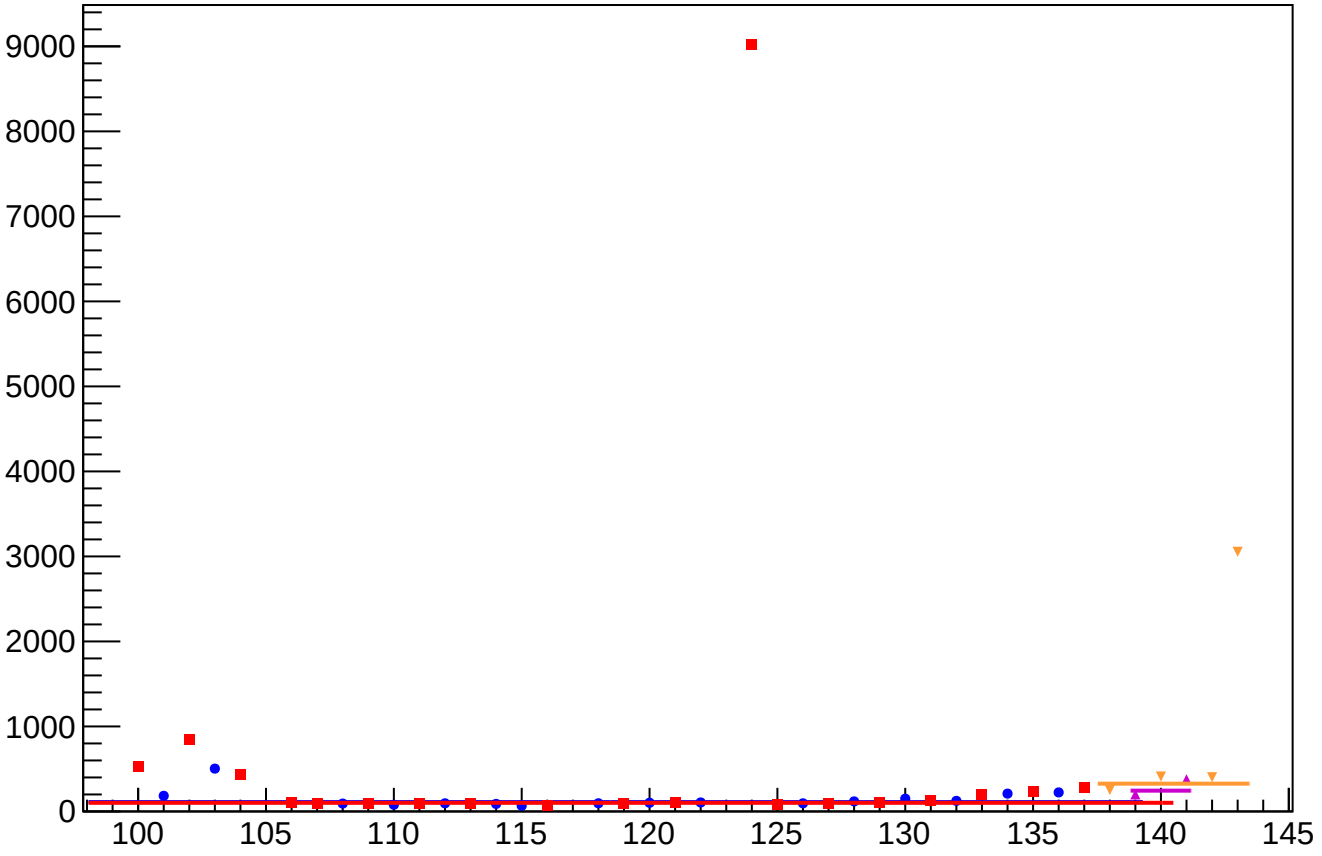
Left In: -0.393+/-0.201 χ^2/NDF:4.0/1

+ sign 0.009+/-0.044 χ^2/NDF: 14.5/19

All: -0.006+/-0.031 χ^2/NDF: 44.7/40

- sign -0.021+/-0.042 χ^2/NDF: 29.9/20

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: 326.806+/-0.161 χ^2/NDF:1527403.6/3

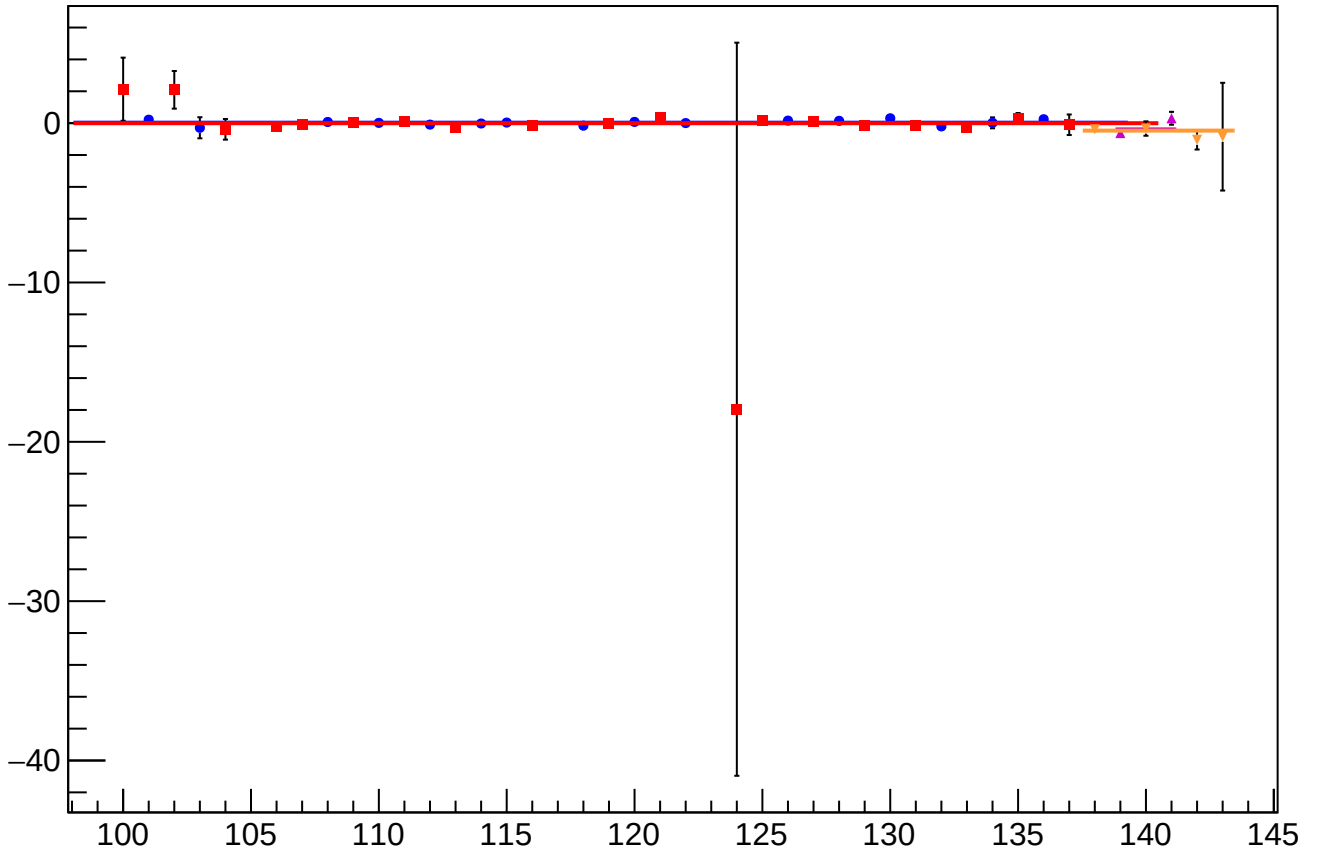
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 244.651+/-0.142 χ^2/NDF:293515.2/1

+ sign 118.258+/-0.031 χ^2/NDF: 5205225.3/19

All: 112.991+/-0.022 χ^2/NDF: 9104848.9/40

- sign 108.194+/-0.030 χ^2/NDF: 3845913.4/20



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

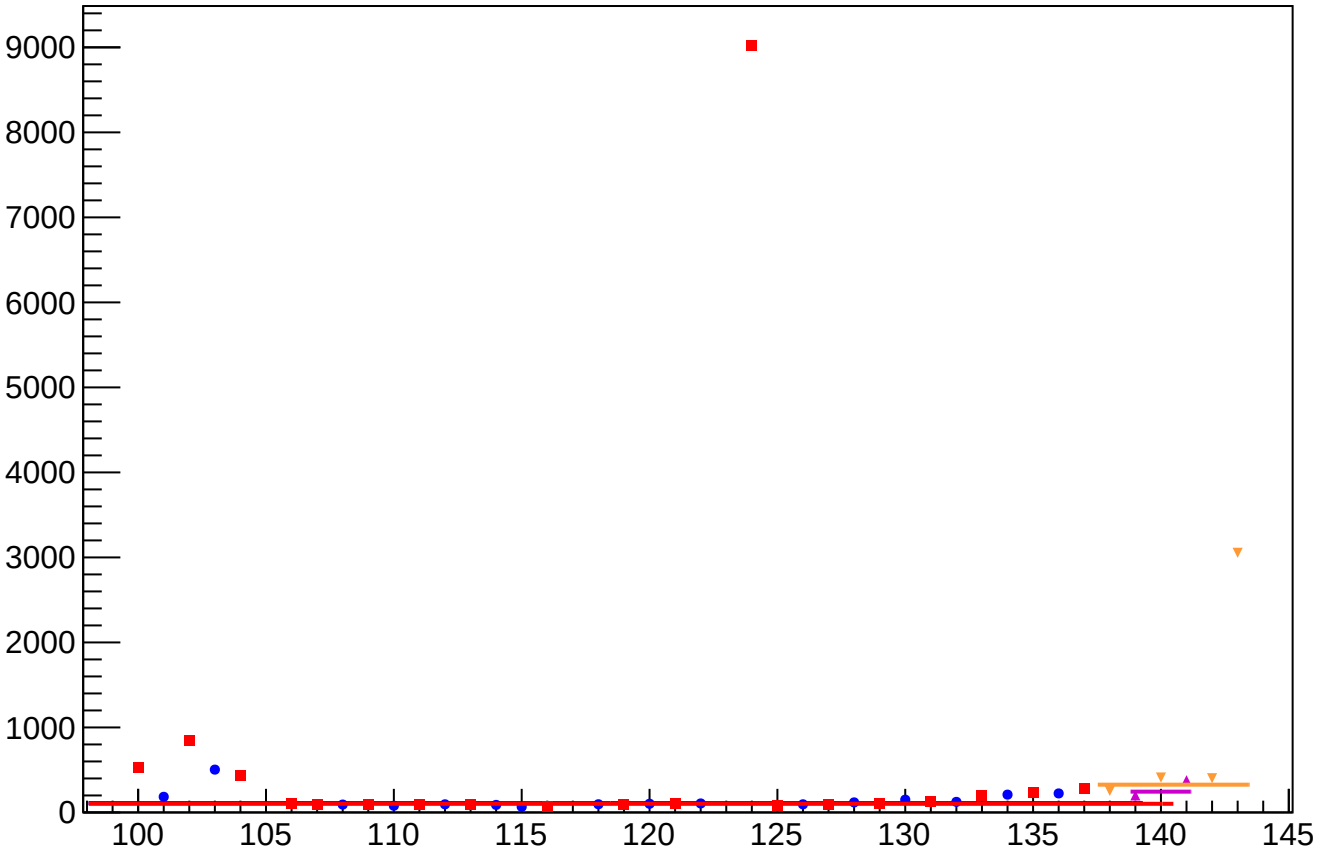
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.393+/-0.201 χ^2/NDF:4.0/1

+ sign 0.009+/-0.044 χ^2/NDF: 14.5/19

All: -0.006+/-0.031 χ^2/NDF: 44.7/40

- sign -0.021+/-0.042 χ^2/NDF: 29.9/20



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 326.806+/-0.161 χ^2/NDF:1527403.6/3

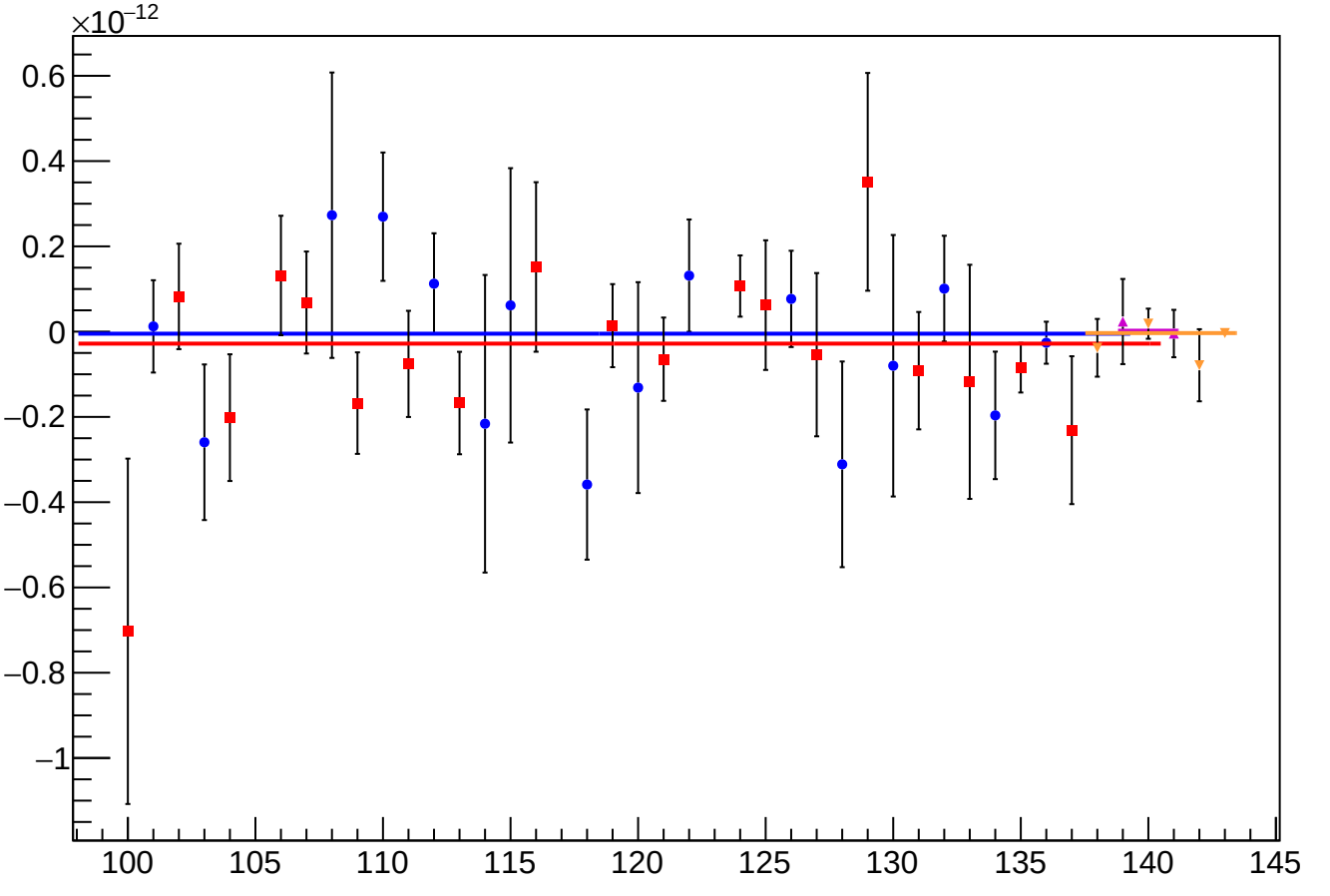
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 244.651+/-0.142 χ^2/NDF:293515.2/1

+ sign 118.258+/-0.031 χ^2/NDF: 5205225.3/19

All: 112.991+/-0.022 χ^2/NDF: 9104848.9/40

- sign 108.194+/-0.030 χ^2/NDF: 3845913.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

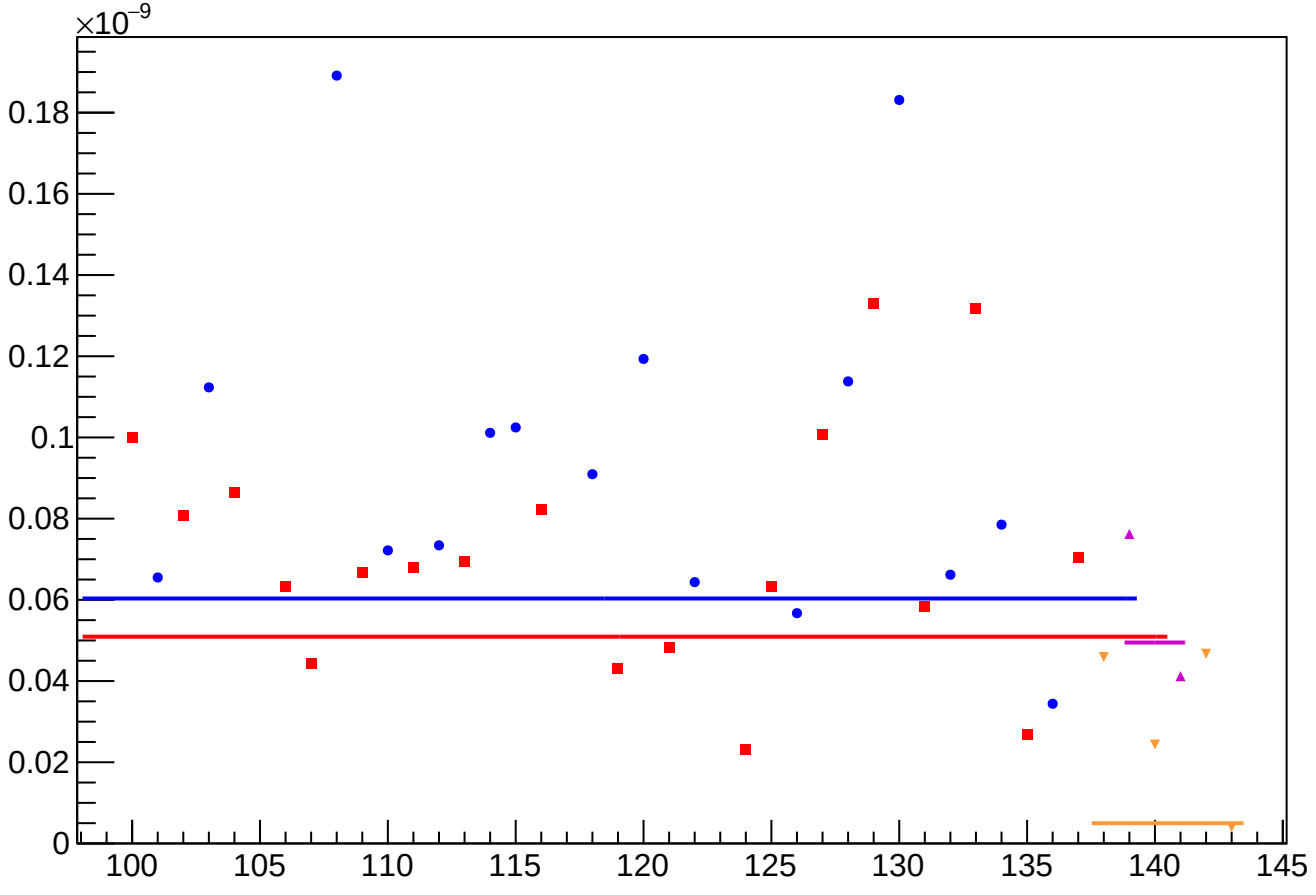
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.9/19

All: -0.000+/-0.000 χ^2/NDF: 39.5/40

- sign -0.000+/-0.000 χ^2/NDF: 20.0/20

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1874077.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

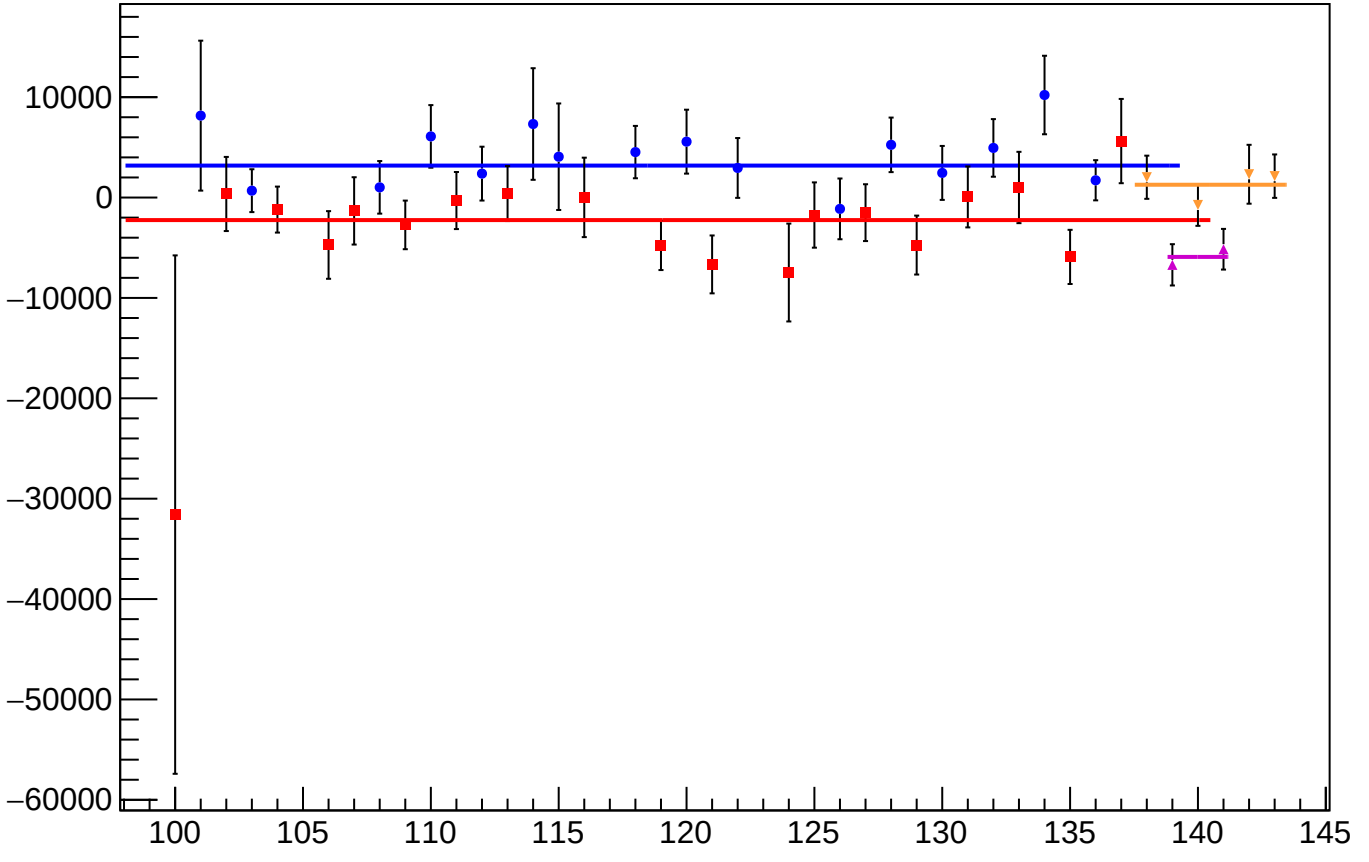
Left In: 0.000+/-0.000 χ^2/NDF:187850.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 9516852.3/19

All: 0.000+/-0.000 χ^2/NDF: 17894967.0/40

- sign 0.000+/-0.000 χ^2/NDF: 1856188.5/20

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.499+/-1134.197 χ^2/NDF:1.3/3

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

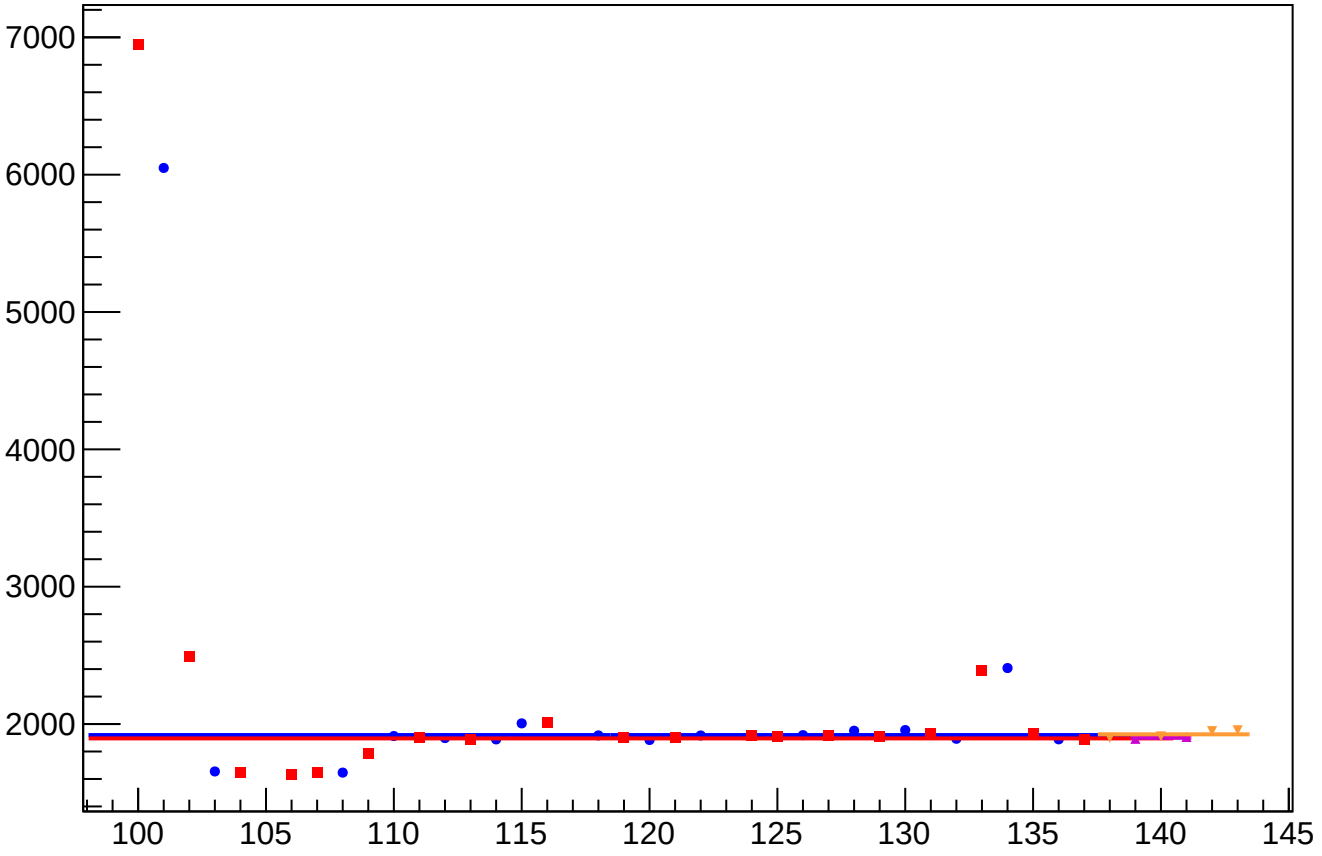
Left In: -5914.592+/-1443.519 χ^2/NDF:0.3/1

+ sign 2623.537+/-614.518 χ^2/NDF: 15.0/19

All: -65.655+/-442.520 χ^2/NDF: 76.8/40

- sign -2962.148+/-637.764 χ^2/NDF: 22.0/20

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

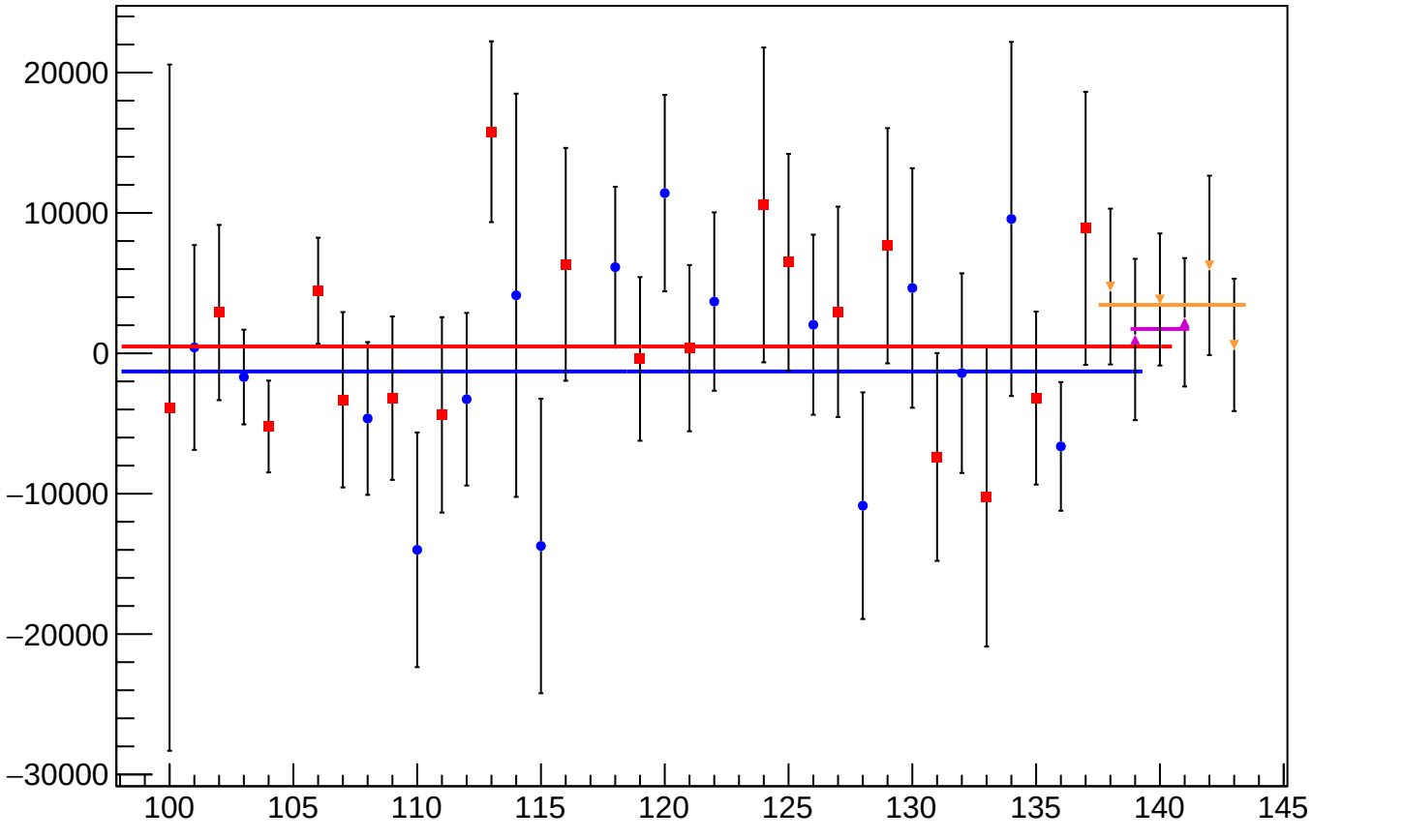
Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

+ sign 1921.356+/-0.435 χ^2/NDF: 698238.8/19

All: 1909.192+/-0.312 χ^2/NDF: 922194.5/40

- sign 1896.162+/-0.450 χ^2/NDF: 222332.6/20



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 3456.144+/-2607.030 χ^2/NDF:0.6/3

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

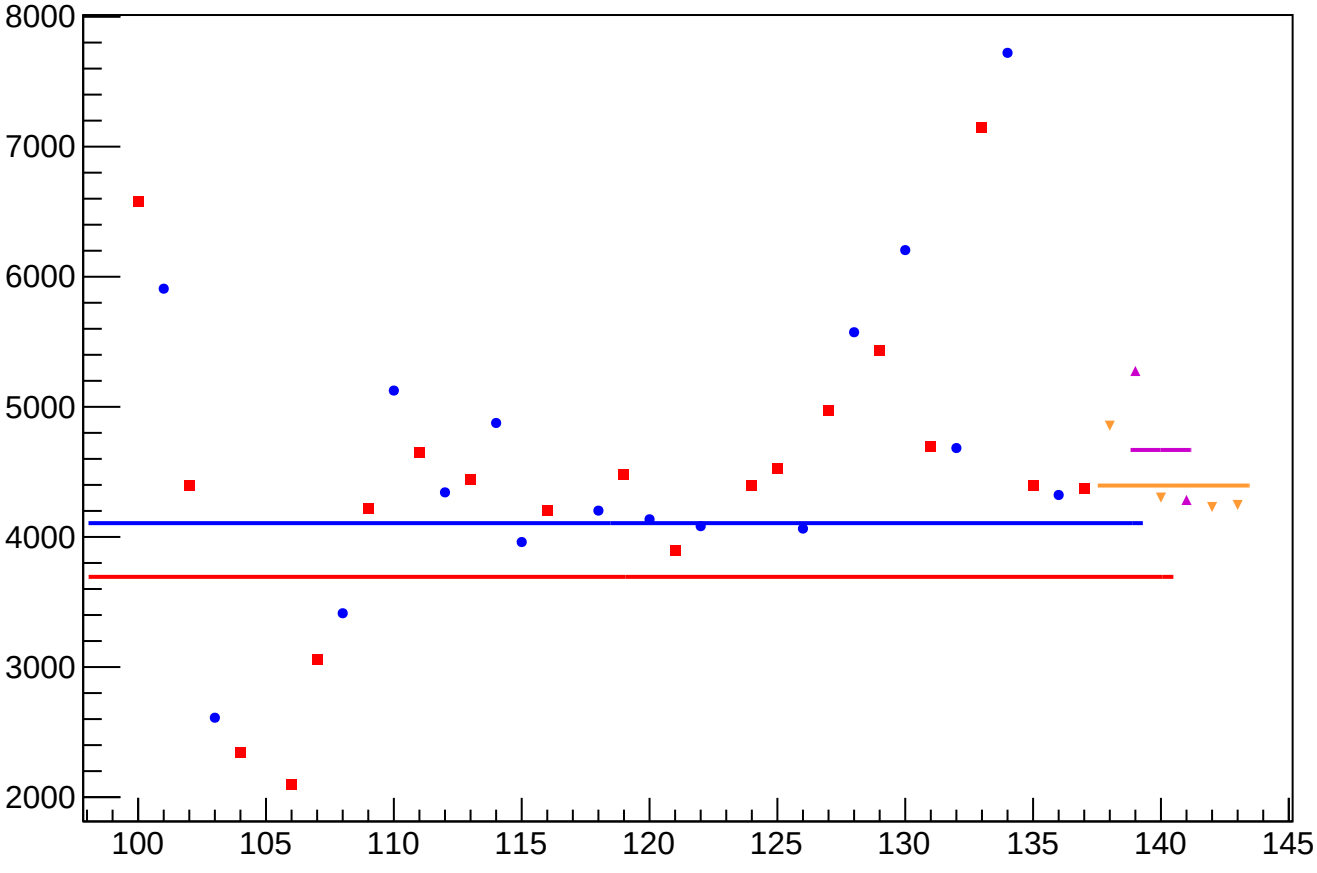
Left In: 1736.607+/-3578.241 χ^2/NDF:0.0/1

+ sign -8.983+/-1354.610 χ^2/NDF: 17.3/19

All: 330.217+/-950.432 χ^2/NDF: 34.8/40

- sign 659.104+/-1333.858 χ^2/NDF: 17.4/20

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4395.100+/-1.843 χ^2/NDF:17854.2/3

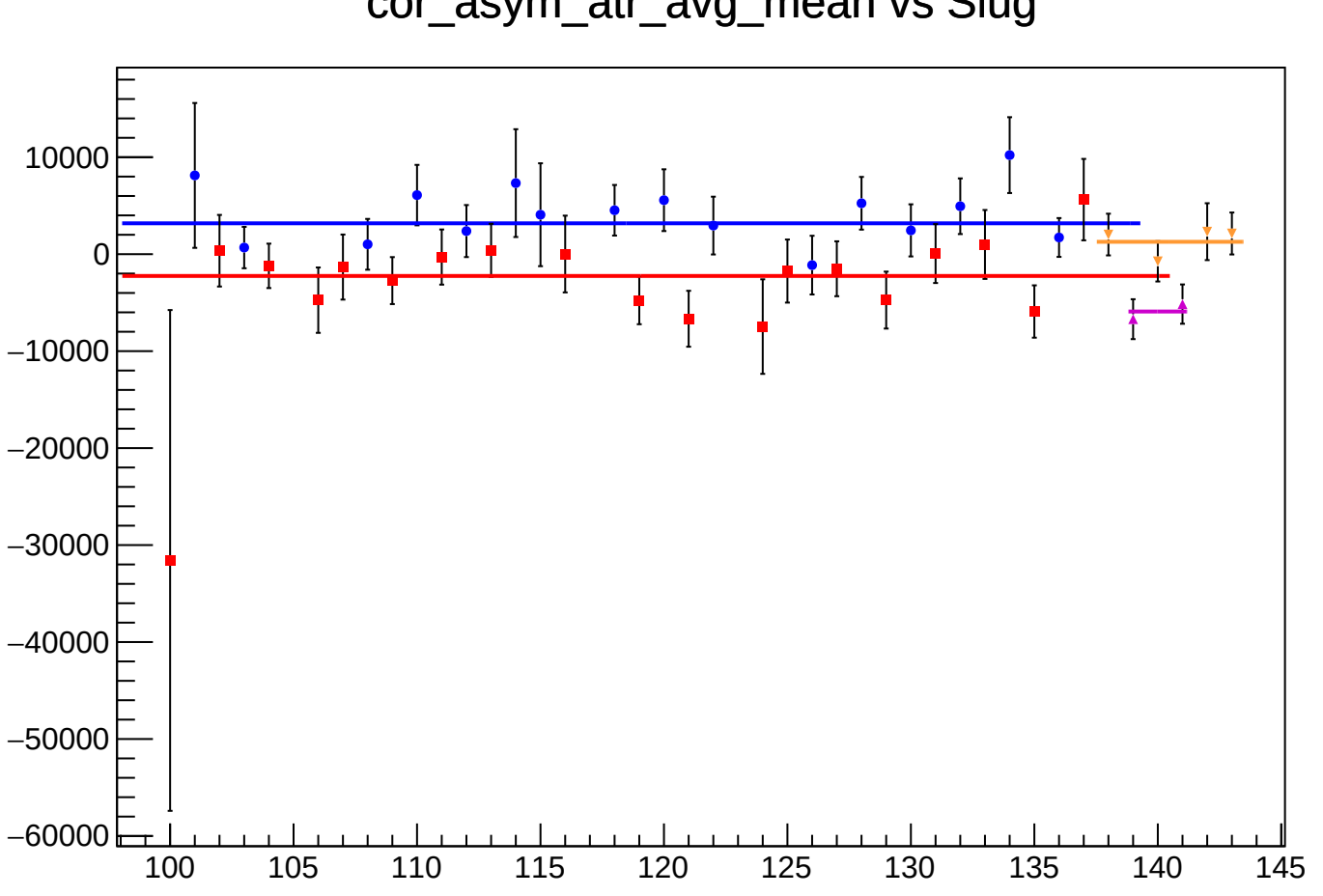
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4668.775+/-2.530 χ^2/NDF:36443.9/1

+ sign 4184.155+/-0.958 χ^2/NDF: 991921.3/19

All: 4003.745+/-0.672 χ^2/NDF: 2582870.7/40

- sign 3828.820+/-0.943 χ^2/NDF: 1521077.8/20



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.494+/-1134.197 χ^2/NDF:1.3/3

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

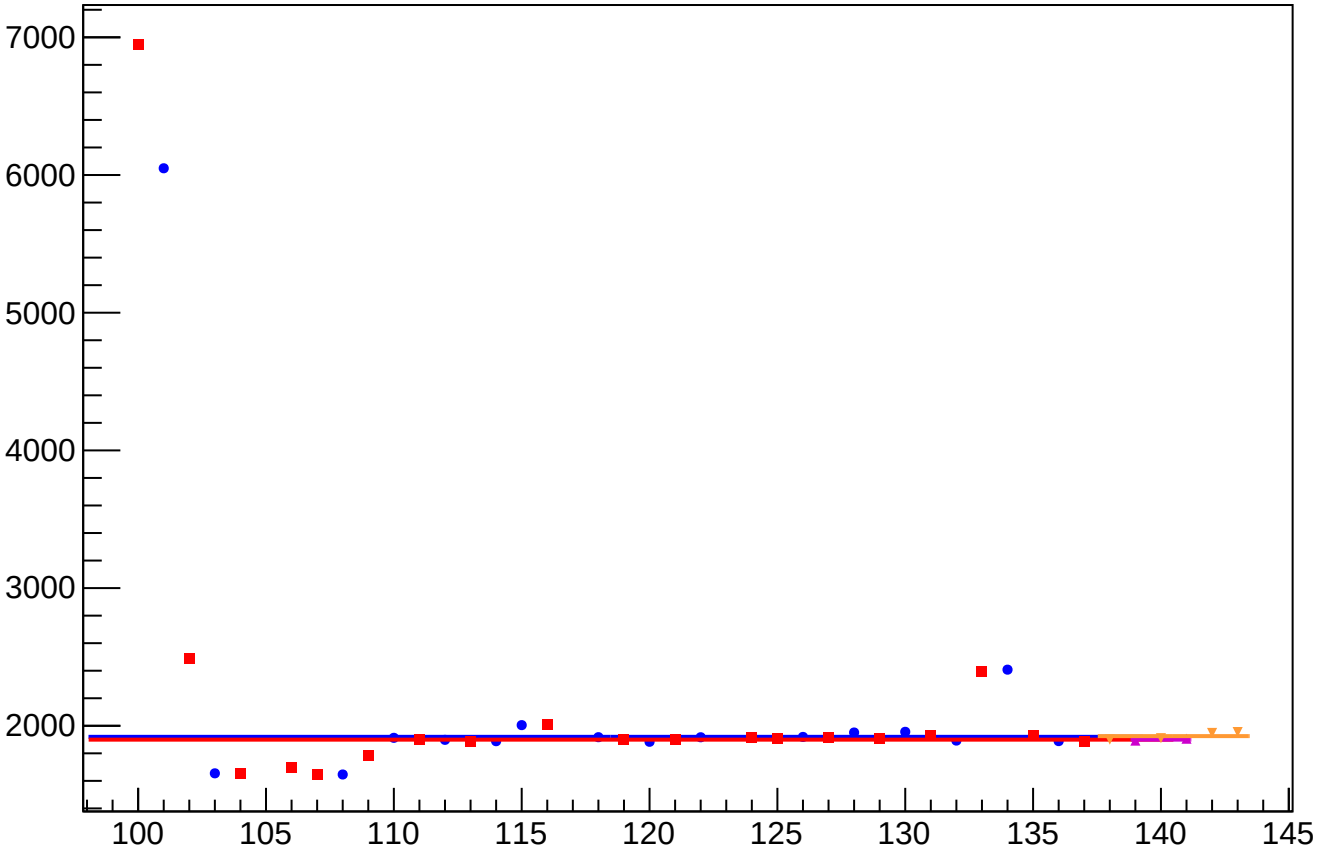
Left In: -5914.957+/-1443.519 χ^2/NDF:0.3/1

+ sign 2623.019+/-614.518 χ^2/NDF: 15.0/19

All: -66.389+/-442.521 χ^2/NDF: 76.8/40

- sign -2963.140+/-637.767 χ^2/NDF: 22.0/20

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

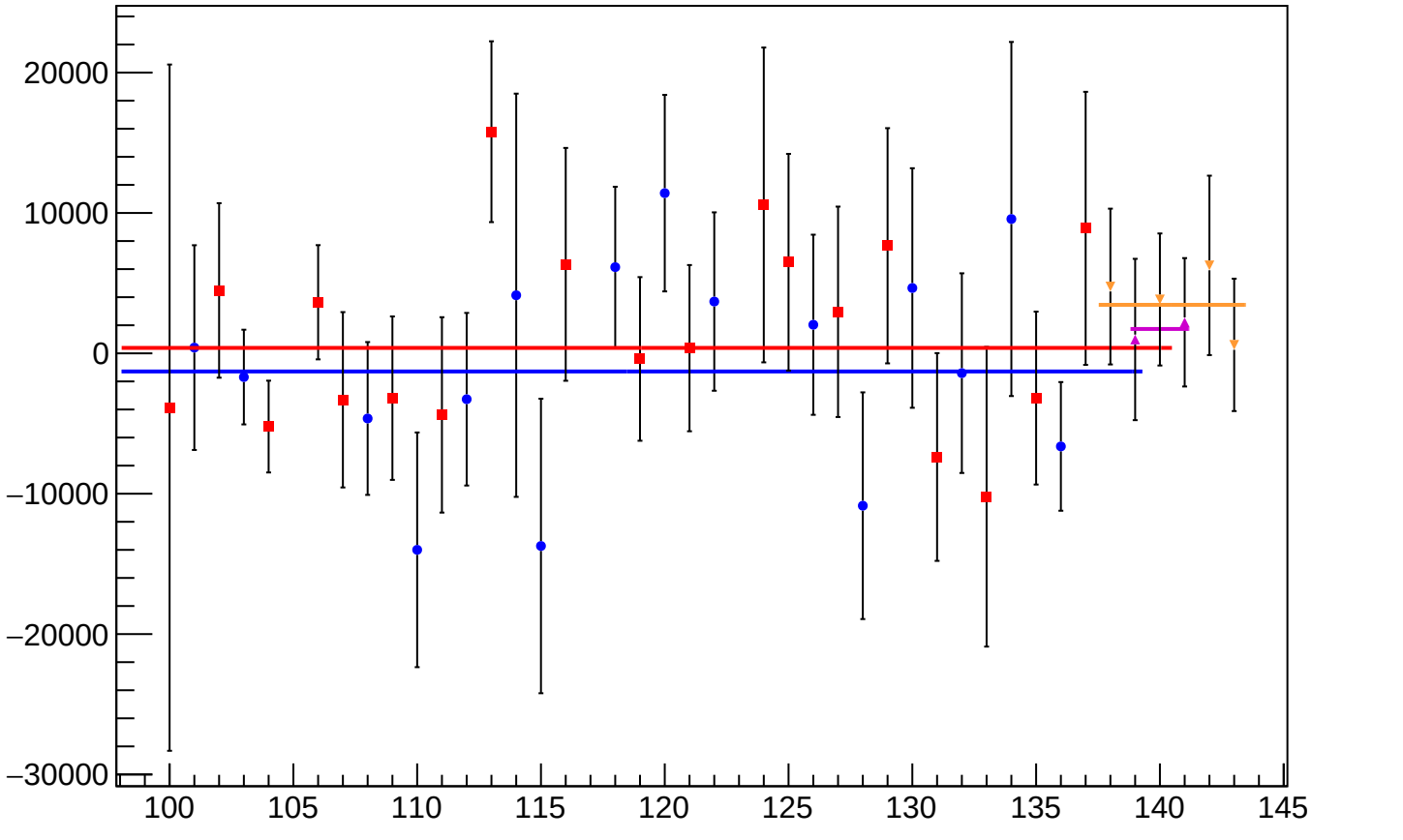
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

+ sign 1921.356+/-0.435 χ^2/NDF: 698238.0/19

All: 1910.766+/-0.313 χ^2/NDF: 915169.8/40

- sign 1899.388+/-0.450 χ^2/NDF: 215699.6/20



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3456.124+/-2607.017 χ^2/NDF:0.6/3

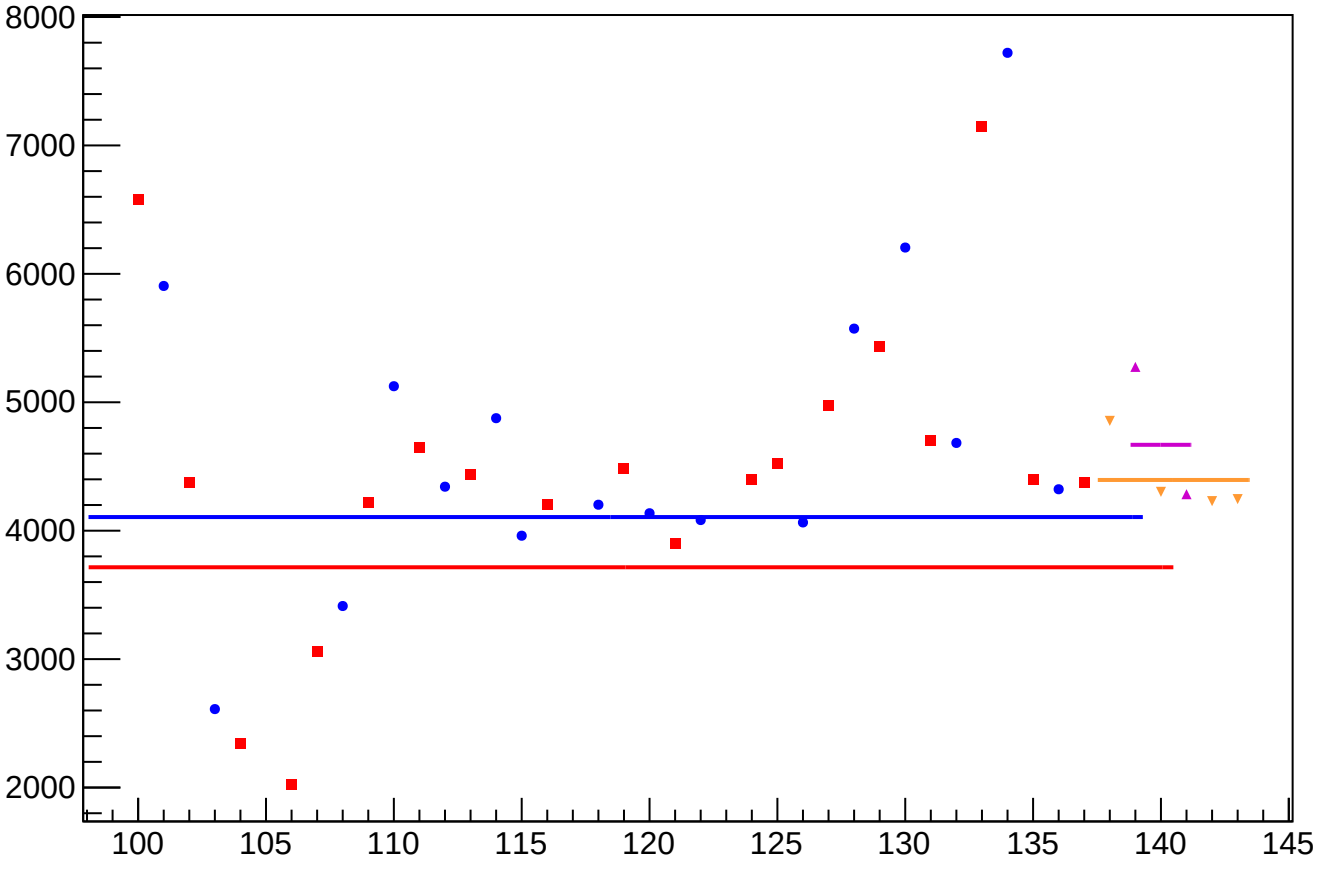
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1736.830+/-3578.243 χ^2/NDF:0.0/1

+ sign -9.244+/-1354.610 χ^2/NDF: 17.3/19

All: 286.590+/-954.464 χ^2/NDF: 34.5/40

- sign 578.273+/-1345.073 χ^2/NDF: 17.2/20



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4395.076+/-1.843 χ^2/NDF:17855.0/3

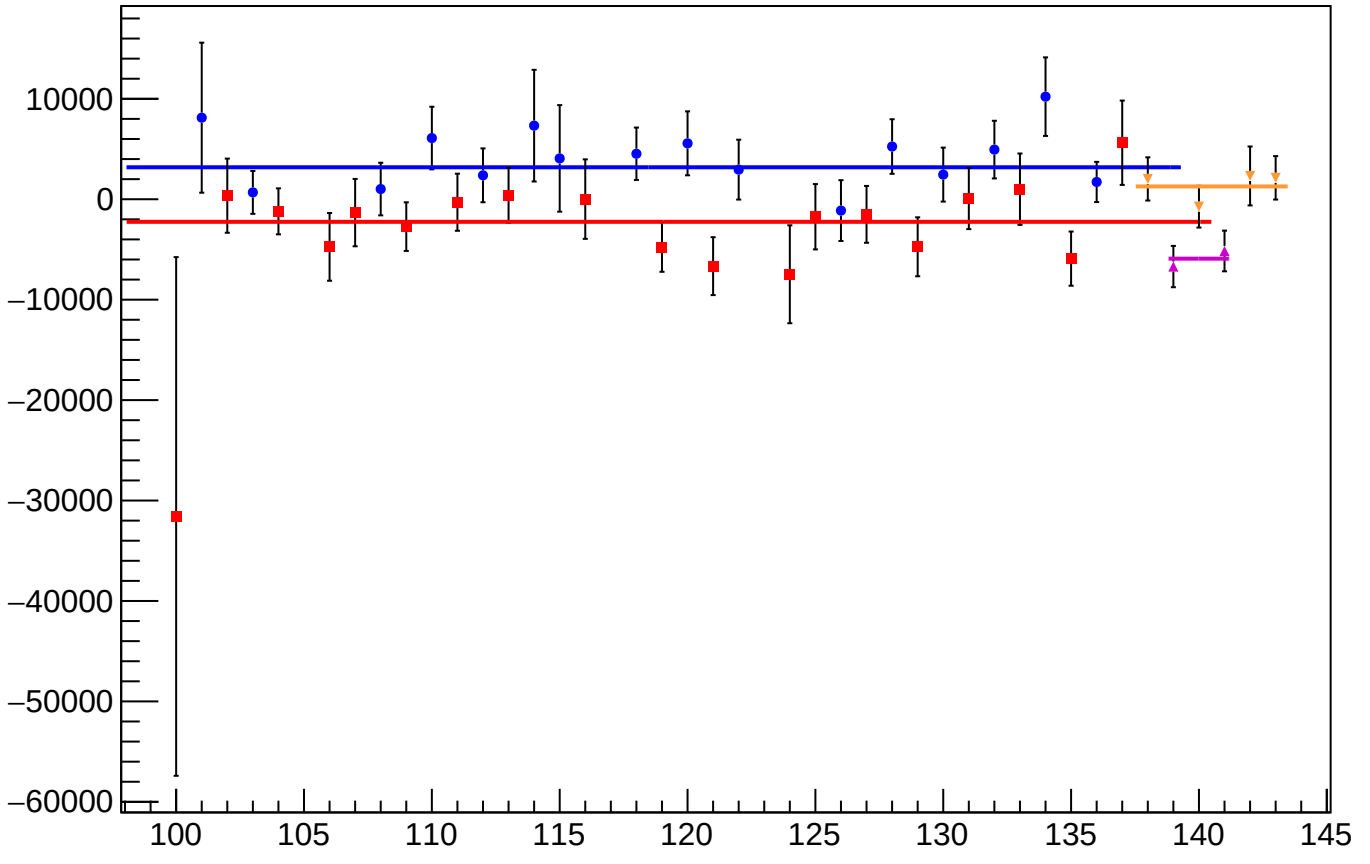
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4668.777+/-2.530 χ^2/NDF:36445.4/1

+ sign 4184.217+/-0.958 χ^2/NDF: 991408.5/19

All: 4015.901+/-0.675 χ^2/NDF: 2546244.4/40

- sign 3849.946+/-0.951 χ^2/NDF: 1493512.2/20



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.494+/-1134.197 χ^2/NDF:1.3/3

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

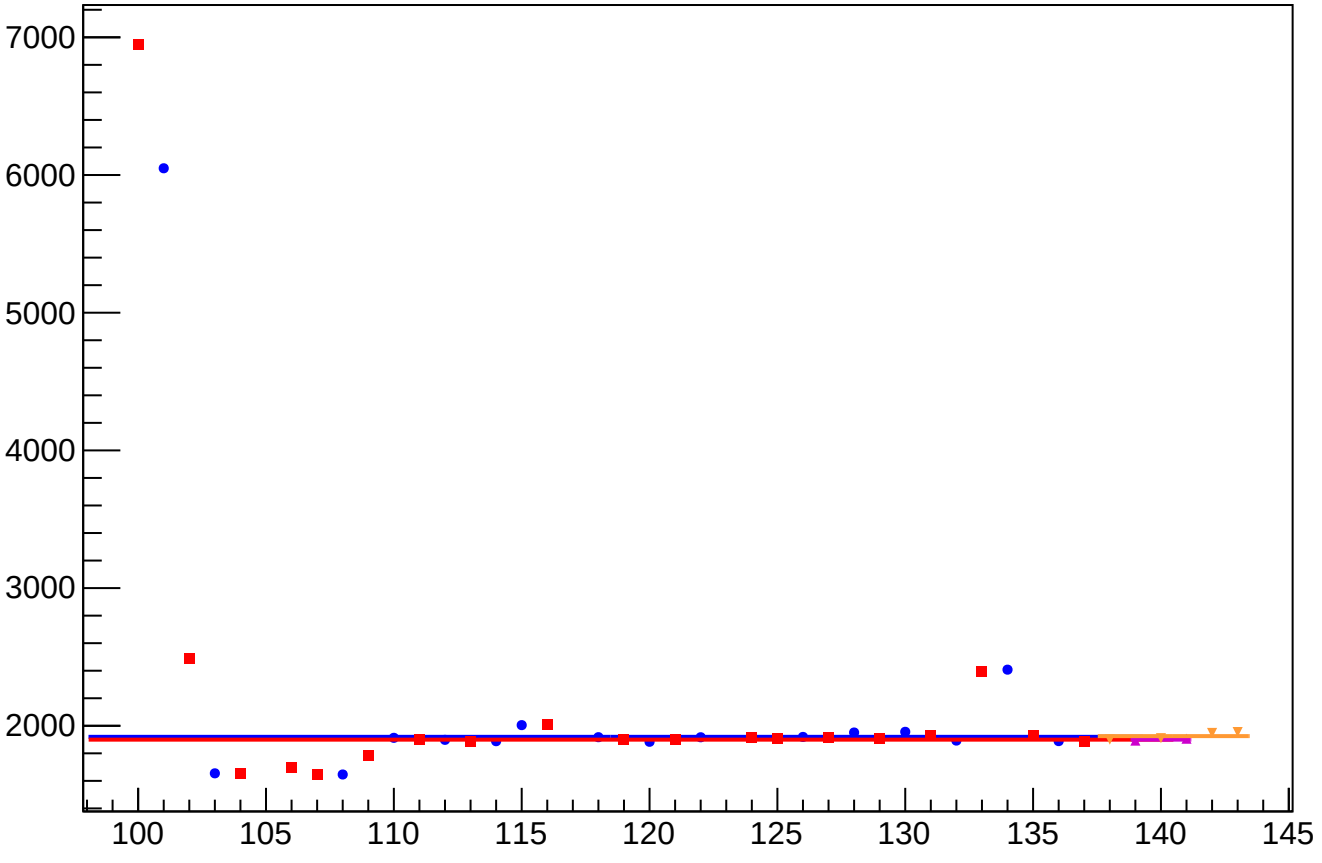
Left In: -5914.957+/-1443.519 χ^2/NDF:0.3/1

+ sign 2623.019+/-614.518 χ^2/NDF: 15.0/19

All: -66.389+/-442.521 χ^2/NDF: 76.8/40

- sign -2963.140+/-637.767 χ^2/NDF: 22.0/20

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

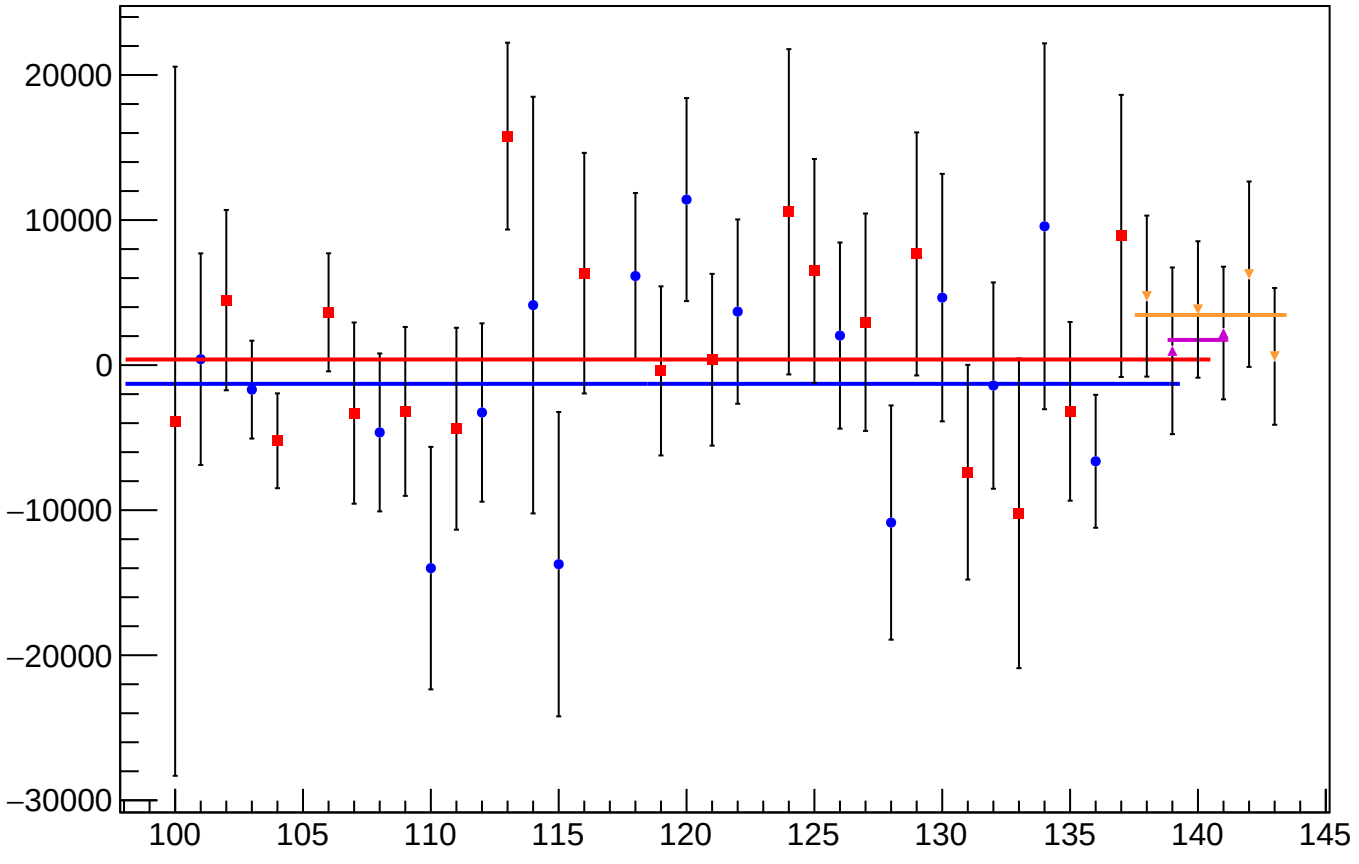
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

+ sign 1921.356+/-0.435 χ^2/NDF: 698238.0/19

All: 1910.766+/-0.313 χ^2/NDF: 915169.8/40

- sign 1899.388+/-0.450 χ^2/NDF: 215699.6/20



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3456.124+/-2607.017 χ^2/NDF:0.6/3

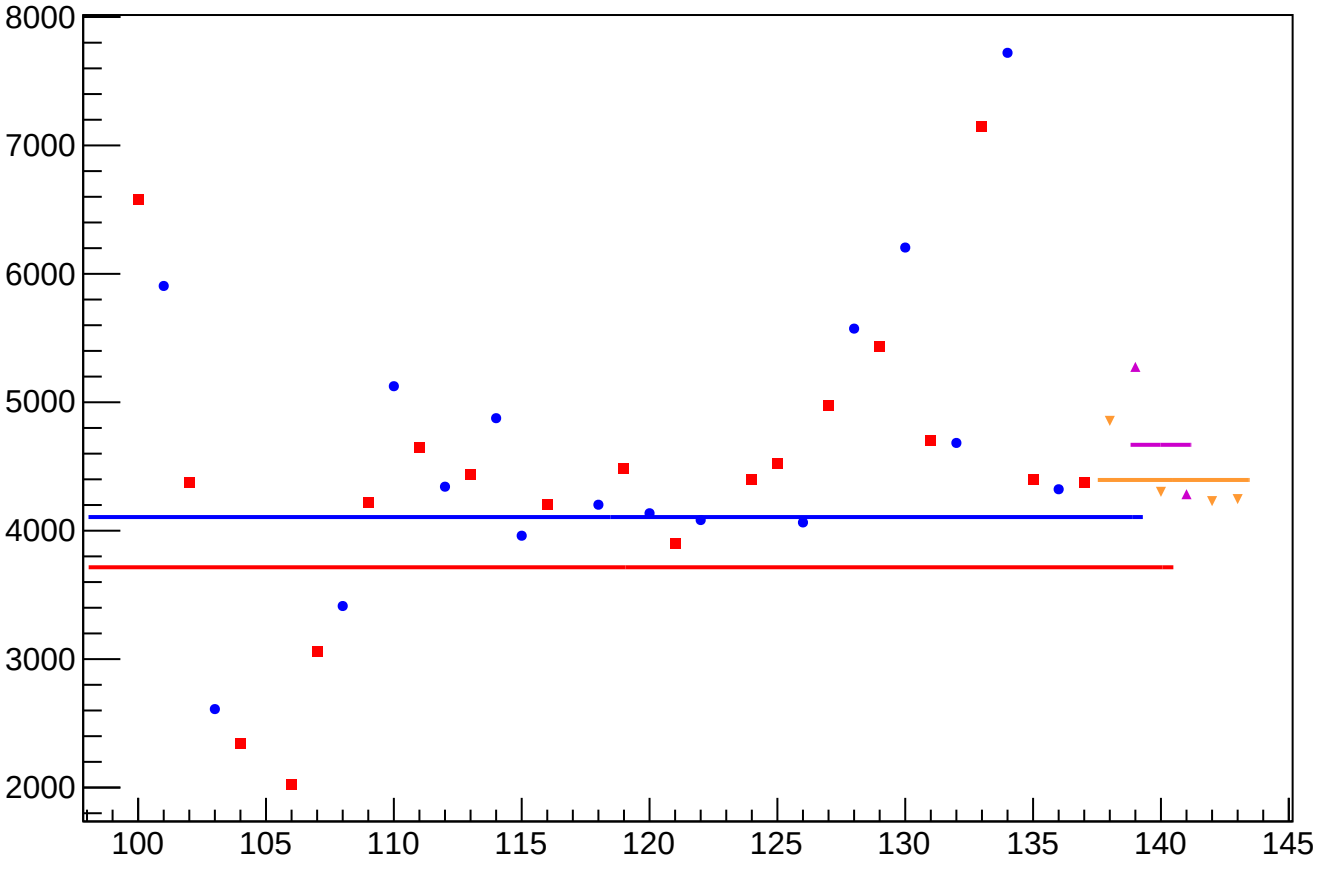
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1736.830+/-3578.243 χ^2/NDF:0.0/1

+ sign -9.244+/-1354.610 χ^2/NDF: 17.3/19

All: 286.590+/-954.464 χ^2/NDF: 34.5/40

- sign 578.273+/-1345.073 χ^2/NDF: 17.2/20



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4395.076+/-1.843 χ^2/NDF:17855.0/3

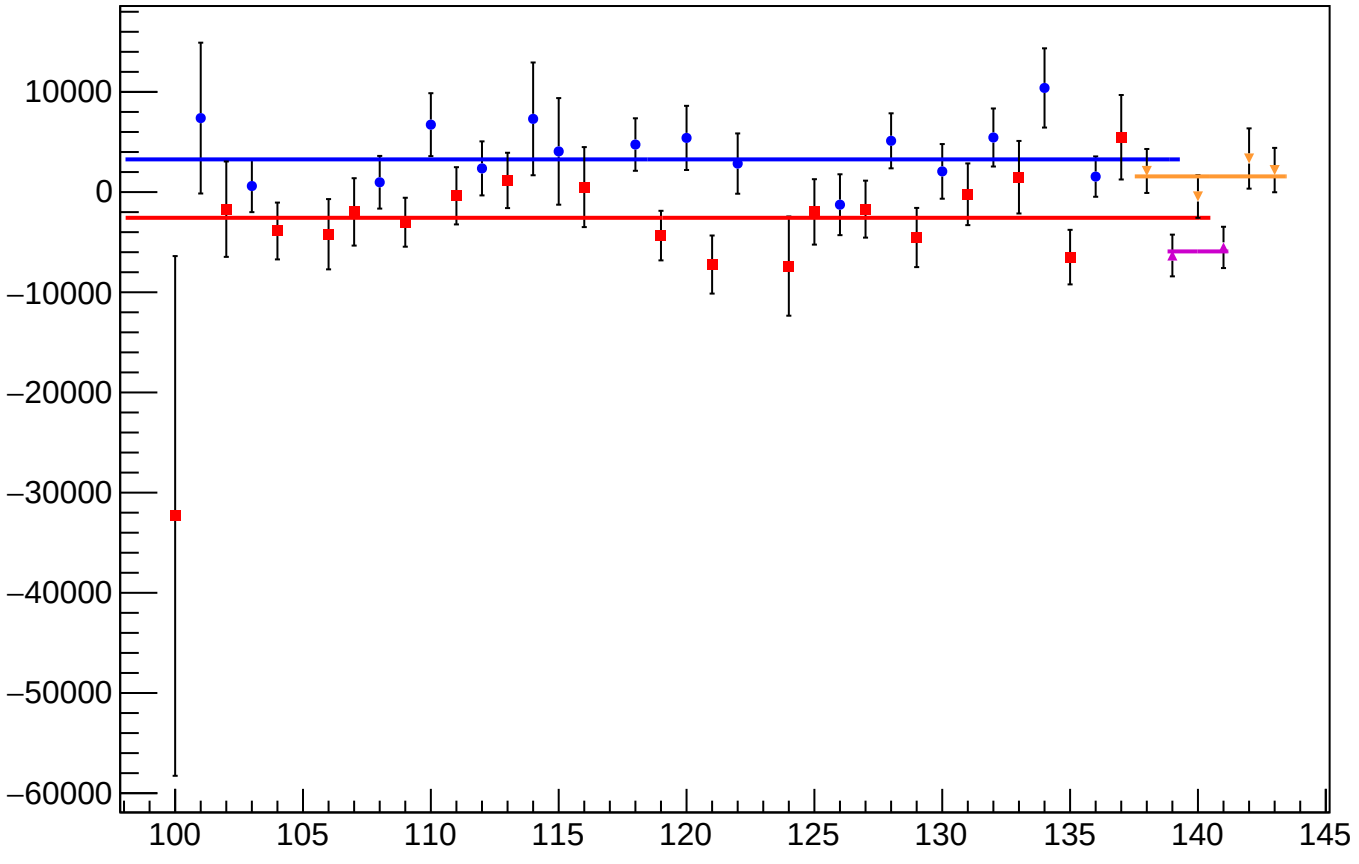
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4668.777+/-2.530 χ^2/NDF:36445.4/1

+ sign 4184.217+/-0.958 χ^2/NDF: 991408.5/19

All: 4015.901+/-0.675 χ^2/NDF: 2546244.4/40

- sign 3849.946+/-0.951 χ^2/NDF: 1493512.2/20



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1566.892+/-1161.654 χ^2/NDF:1.4/3

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

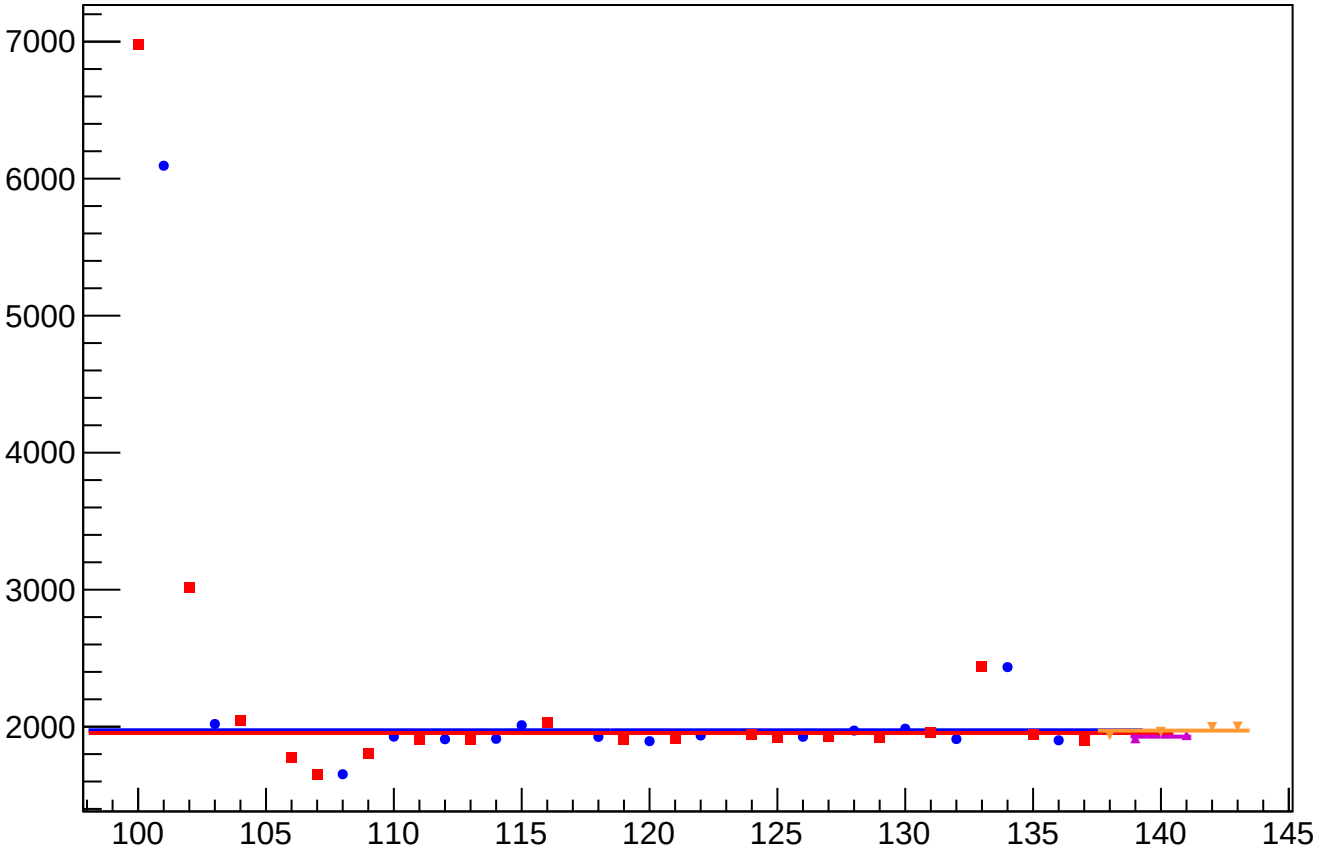
Left In: -5921.866+/-1464.912 χ^2/NDF:0.1/1

+ sign 2764.343+/-630.600 χ^2/NDF: 15.0/19

All: -116.028+/-454.901 χ^2/NDF: 79.8/40

- sign -3241.268+/-656.858 χ^2/NDF: 21.3/20

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1971.533+/-0.821 χ^2/NDF:985.8/3

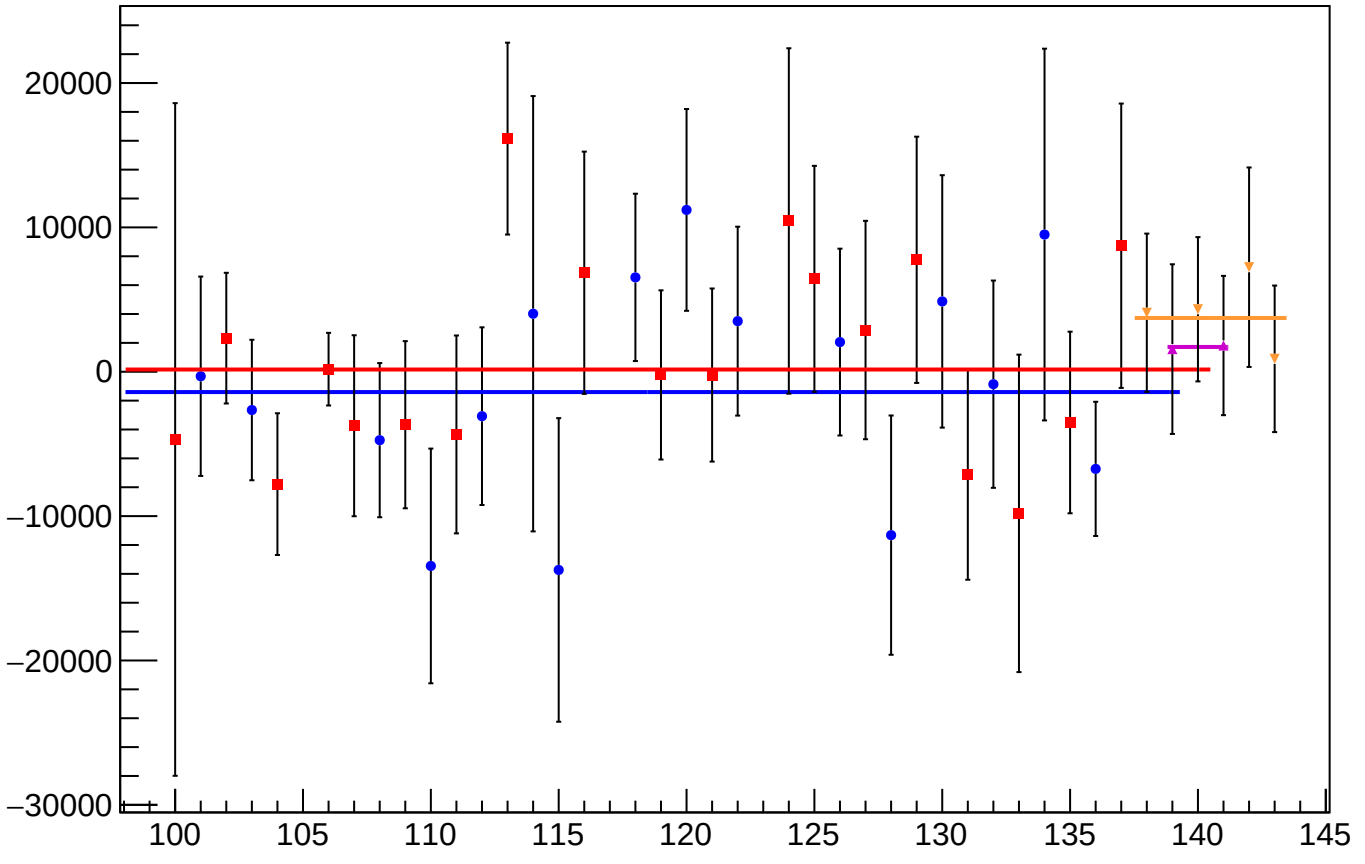
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1927.537+/-1.036 χ^2/NDF:126.1/1

+ sign 1973.095+/-0.446 χ^2/NDF: 666115.2/19

All: 1961.510+/-0.322 χ^2/NDF: 914394.2/40

- sign 1948.958+/-0.464 χ^2/NDF: 246872.5/20



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 3725.853+/-2741.208 χ^2/NDF:0.6/3

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

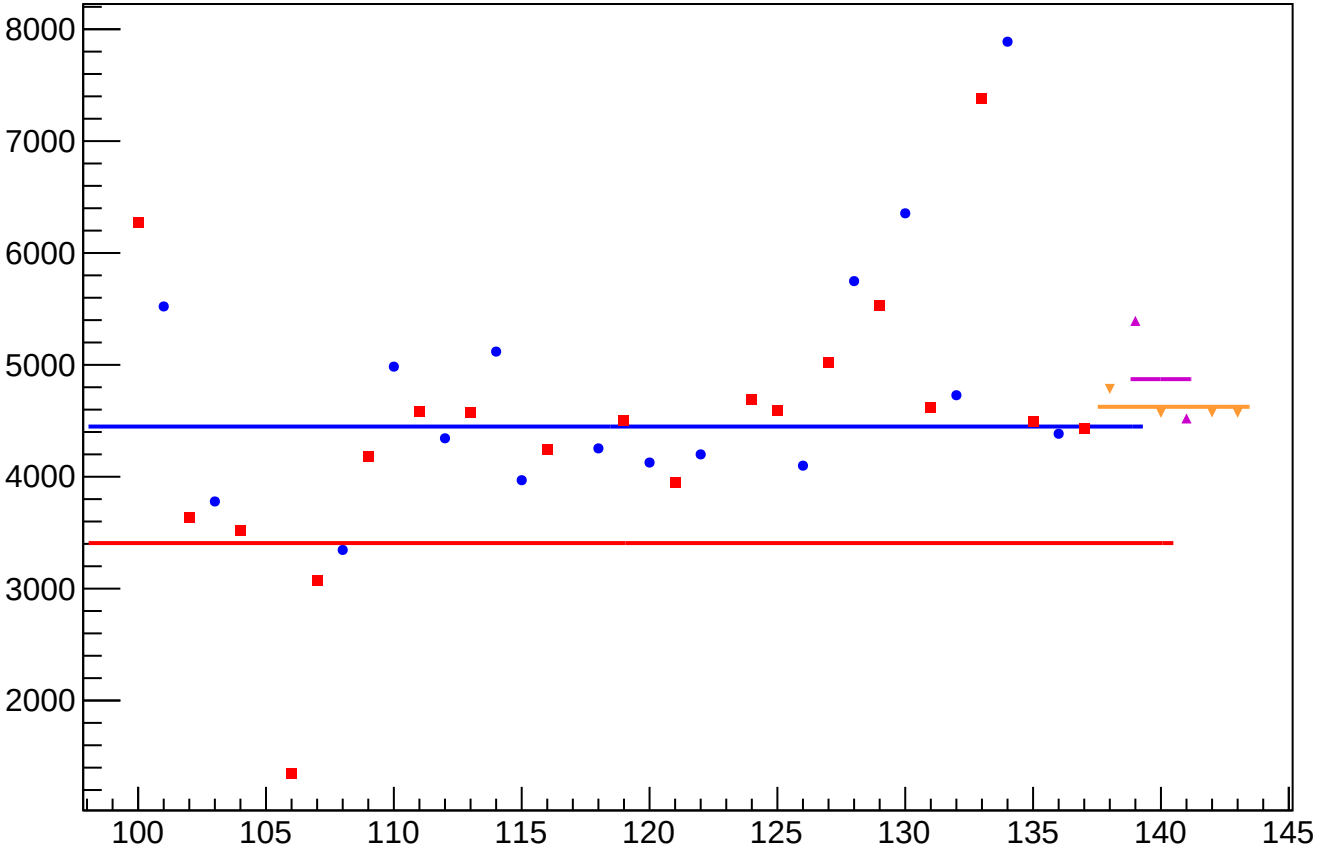
Left In: 1717.450+/-3729.023 χ^2/NDF:0.0/1

+ sign 6.354+/-1438.568 χ^2/NDF: 17.3/19

All: 192.221+/-956.555 χ^2/NDF: 33.4/40

- sign 339.533+/-1280.698 χ^2/NDF: 16.0/20

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4625.221+/-1.938 χ^2/NDF:2264.4/3

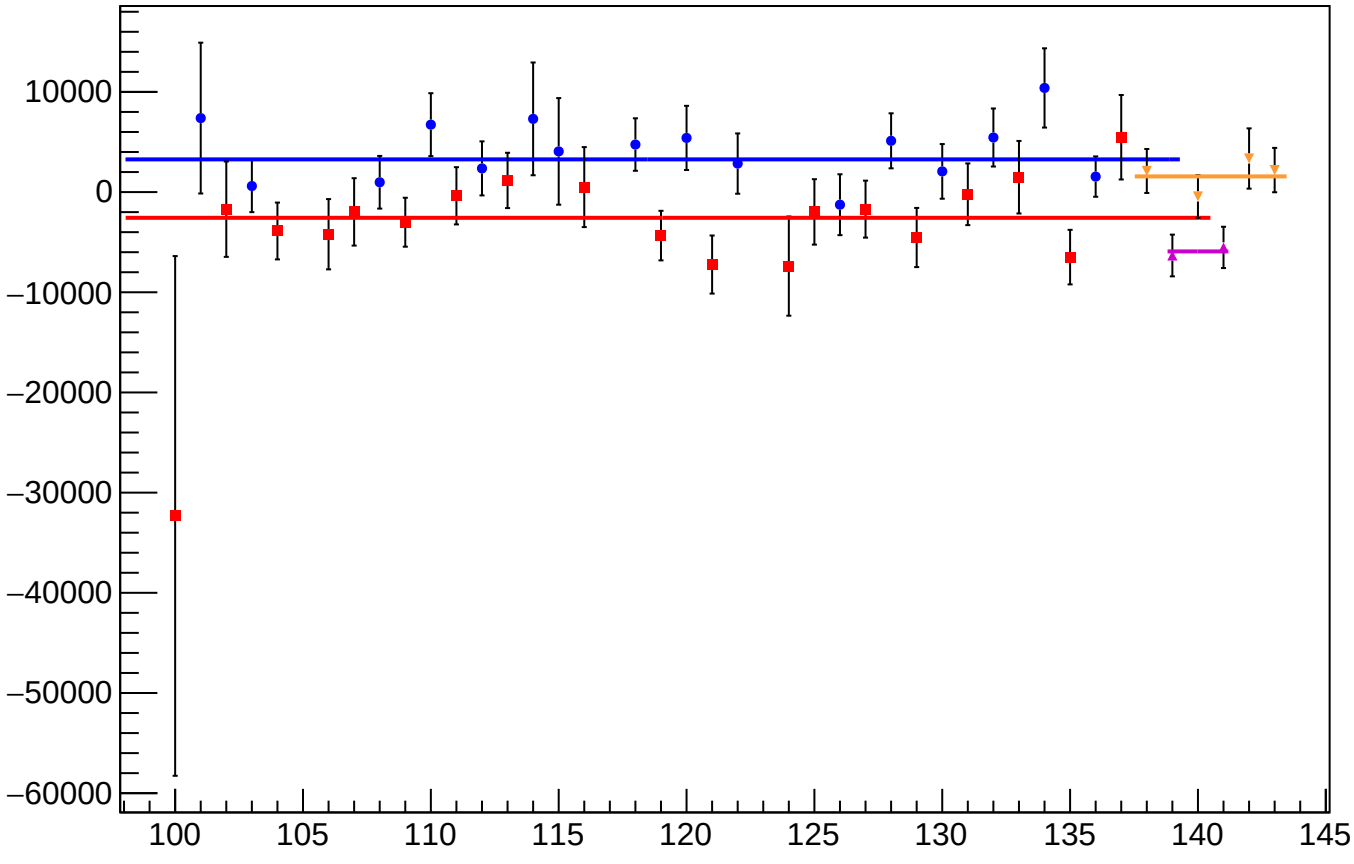
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4872.373+/-2.637 χ^2/NDF:26284.5/1

+ sign 4497.323+/-1.017 χ^2/NDF: 502886.6/19

All: 3985.559+/-0.676 χ^2/NDF: 3581311.4/40

- sign 3579.955+/-0.906 χ^2/NDF: 2624710.8/20



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1566.891+/-1161.654 χ^2/NDF:1.4/3

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

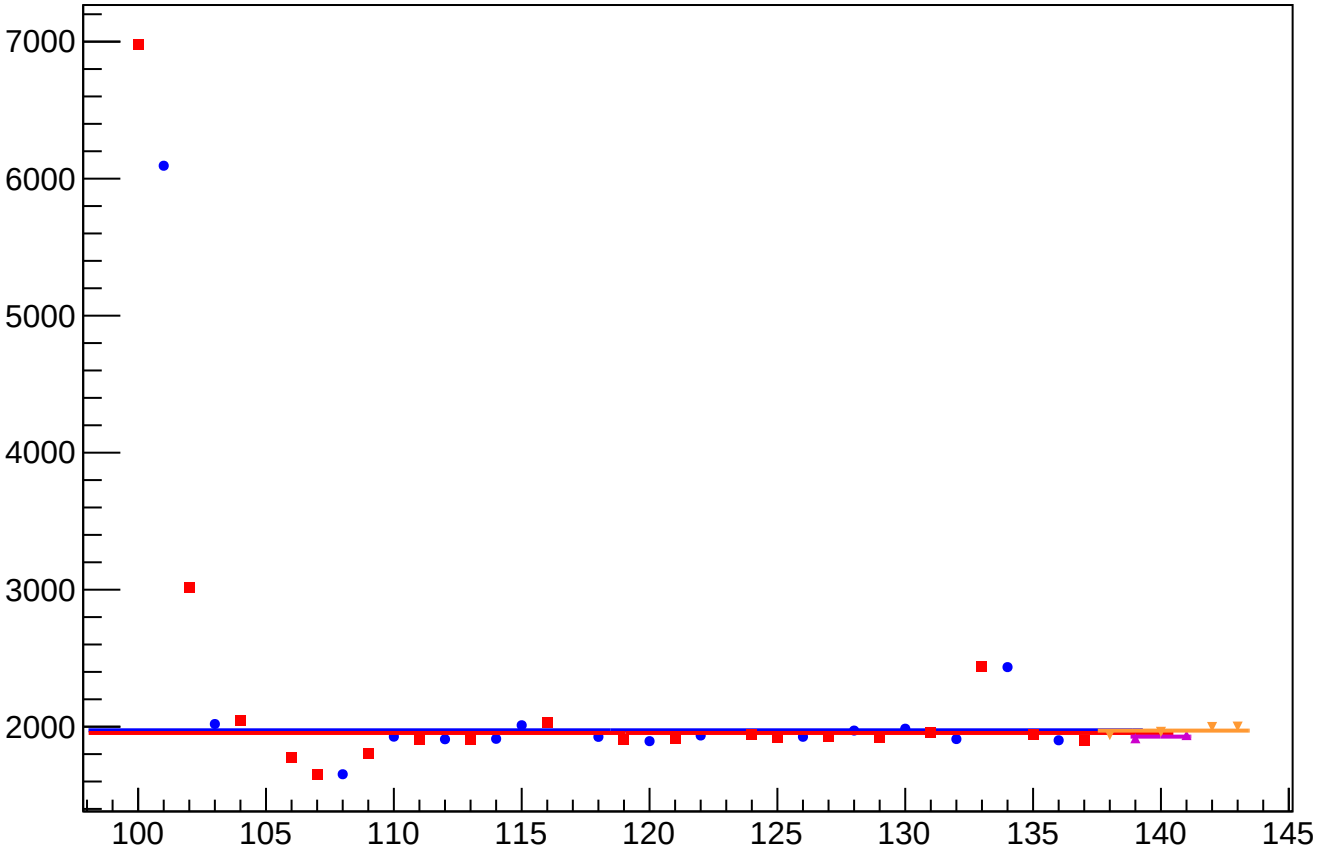
Left In: -5921.844+/-1464.912 χ^2/NDF:0.1/1

+ sign 2764.346+/-630.600 χ^2/NDF: 15.0/19

All: -116.027+/-454.901 χ^2/NDF: 79.8/40

- sign -3241.268+/-656.858 χ^2/NDF: 21.3/20

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1971.534+/-0.821 χ^2/NDF:985.9/3

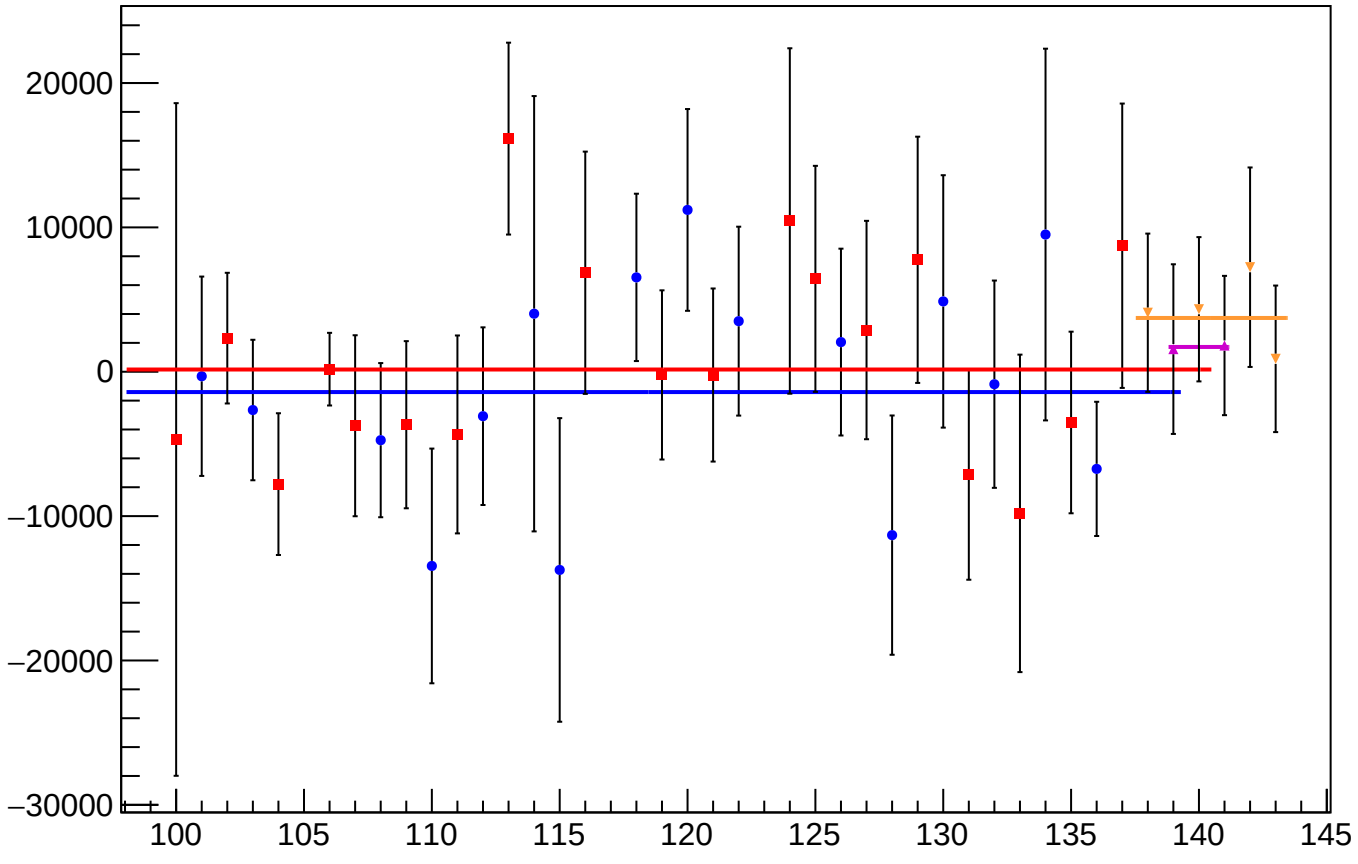
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1927.537+/-1.036 χ^2/NDF:126.1/1

+ sign 1973.095+/-0.446 χ^2/NDF: 666115.2/19

All: 1961.510+/-0.322 χ^2/NDF: 914393.7/40

- sign 1948.958+/-0.464 χ^2/NDF: 246872.0/20



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 3725.858+/-2741.211 χ^2/NDF:0.6/3

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

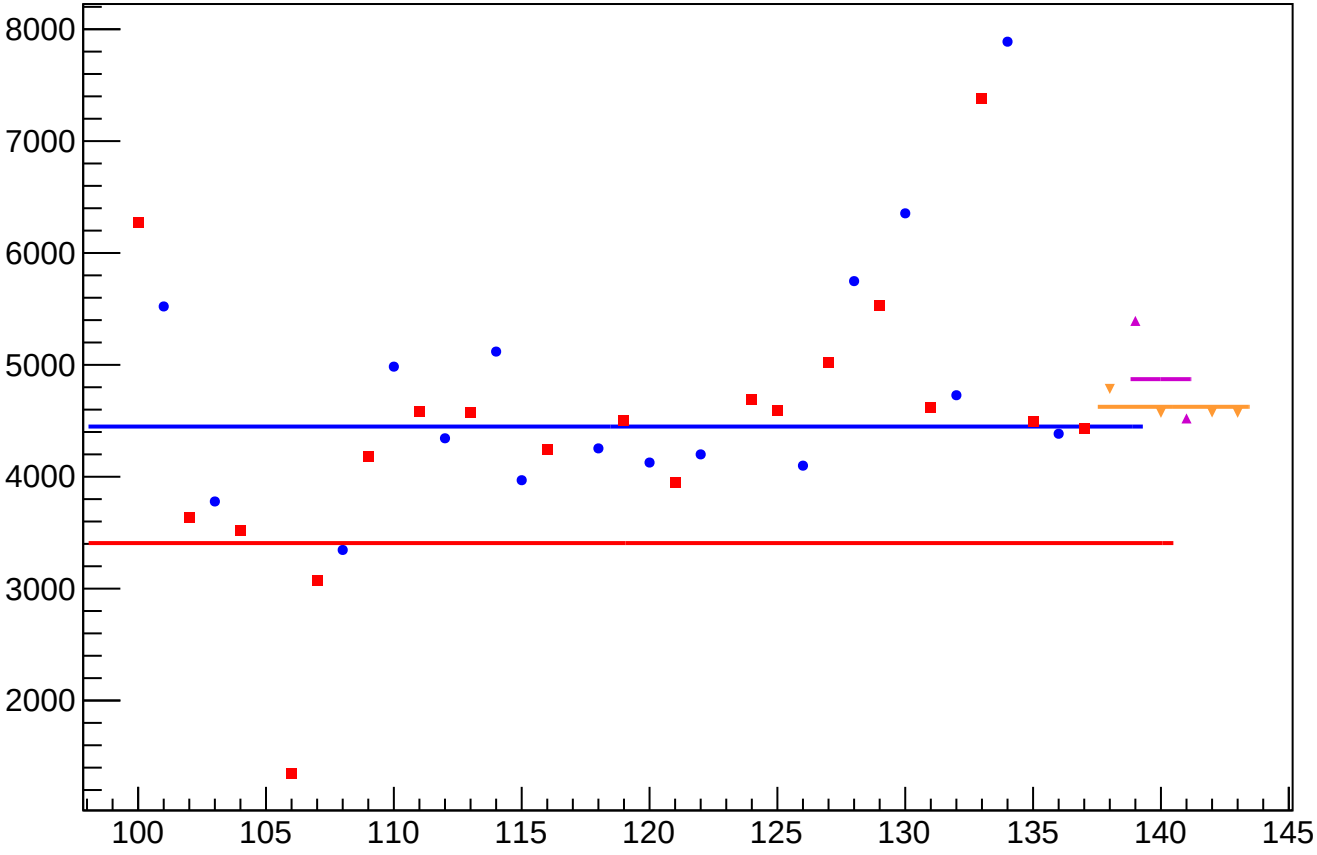
Left In: 1717.471+/-3729.026 χ^2/NDF:0.0/1

+ sign 6.363+/-1438.567 χ^2/NDF: 17.3/19

All: 192.227+/-956.553 χ^2/NDF: 33.4/40

- sign 339.535+/-1280.696 χ^2/NDF: 16.0/20

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4625.226+/-1.938 χ^2/NDF:2264.4/3

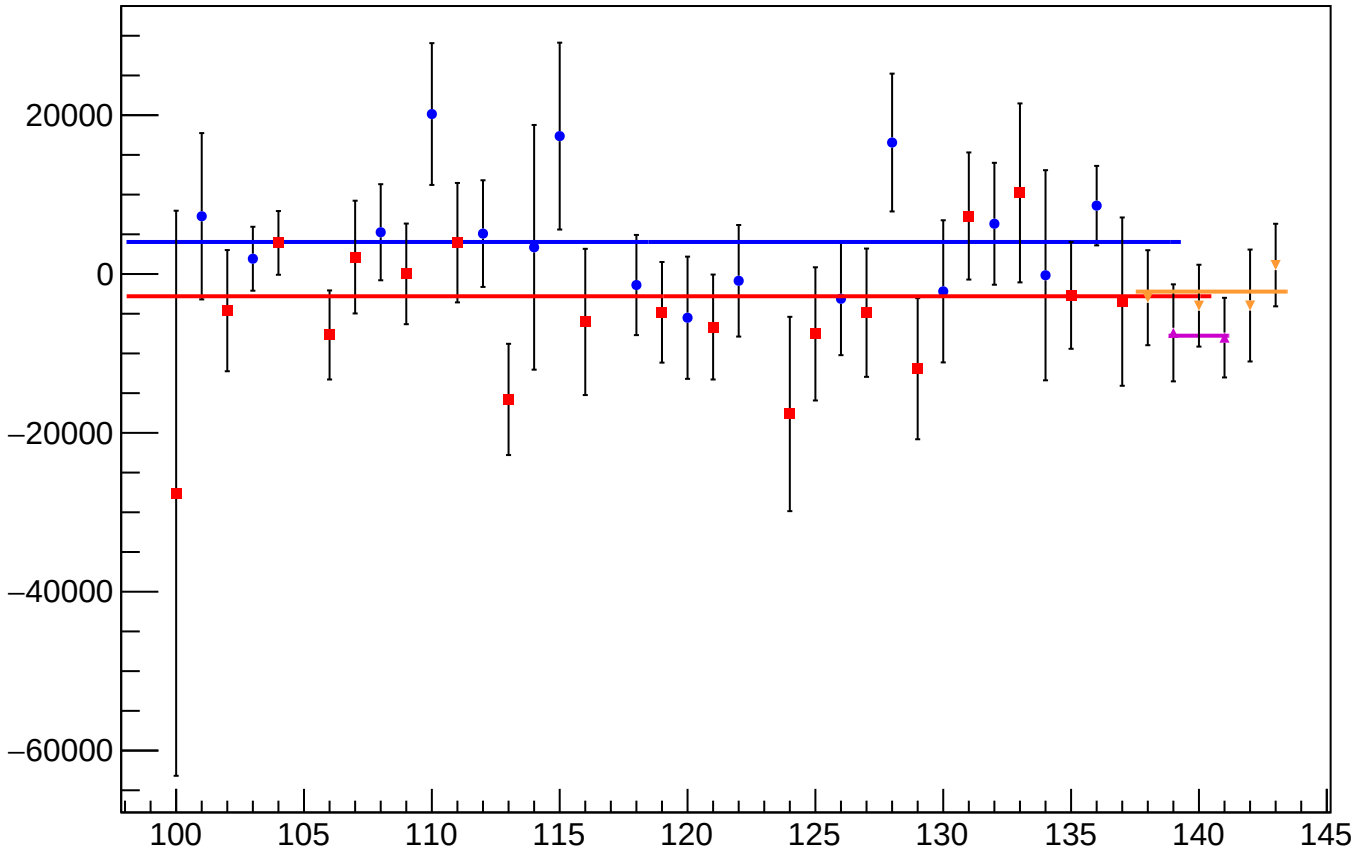
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4872.376+/-2.637 χ^2/NDF:26285.0/1

+ sign 4497.319+/-1.017 χ^2/NDF: 502884.5/19

All: 3985.553+/-0.676 χ^2/NDF: 3581322.5/40

- sign 3579.948+/-0.906 χ^2/NDF: 2624719.2/20



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -2212.623+/-2853.863 χ^2/NDF:0.6/3

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

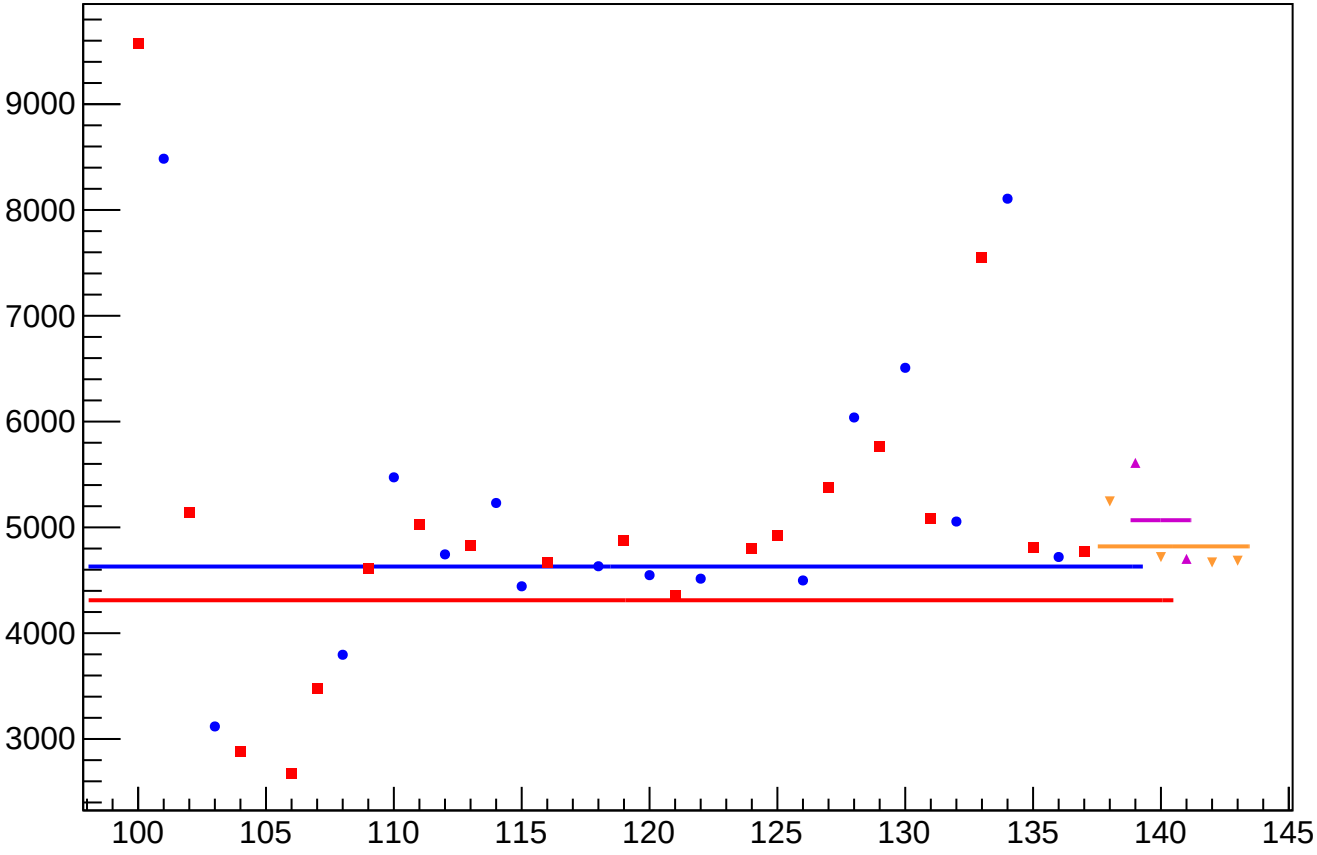
Left In: -7767.364+/-3875.090 χ^2/NDF:0.0/1

+ sign 2282.054+/-1511.547 χ^2/NDF: 16.4/19

All: -603.660+/-1077.055 χ^2/NDF: 40.6/40

- sign -3579.994+/-1535.097 χ^2/NDF: 16.8/20

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4820.342+/-2.018 χ^2/NDF:13171.0/3

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

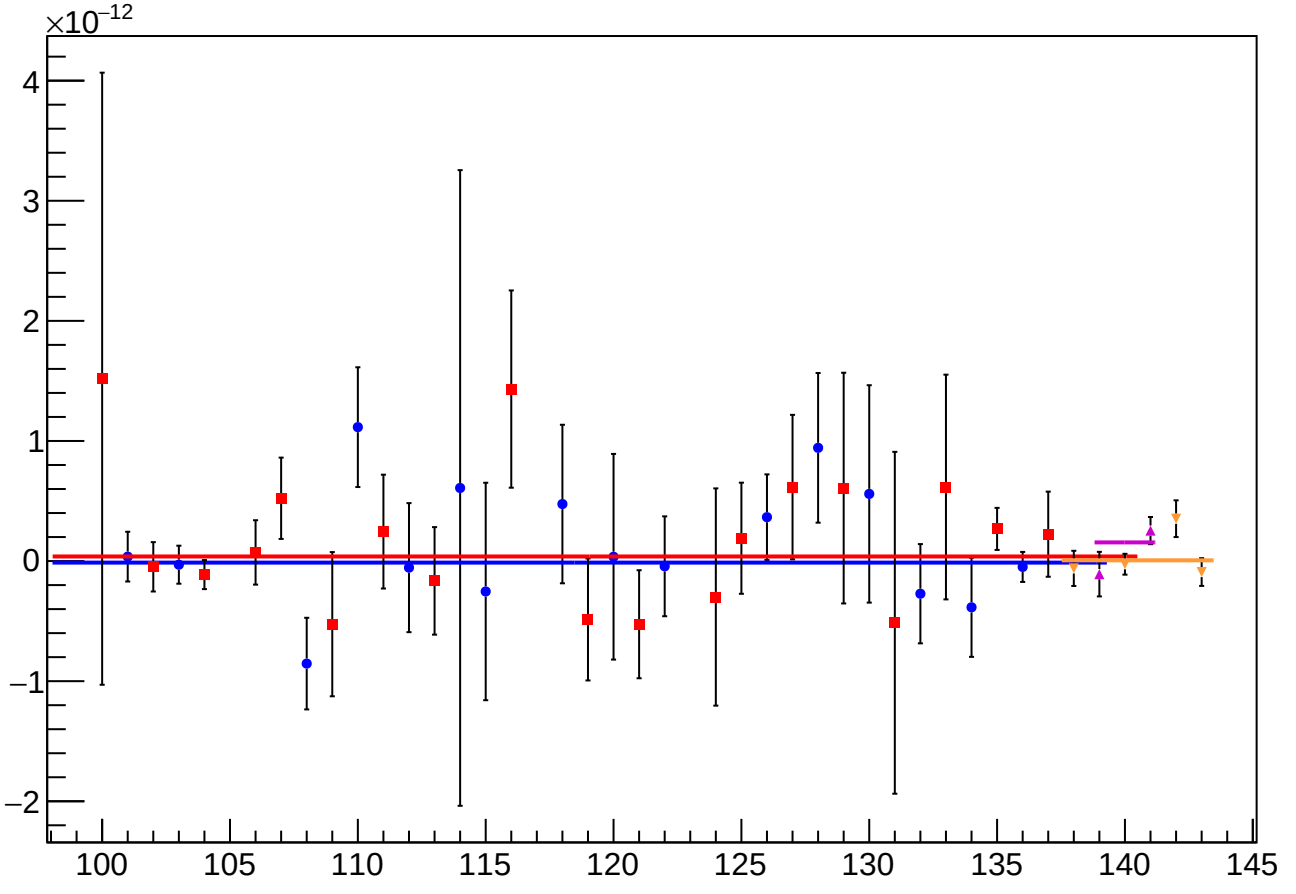
Left In: 5067.791+/-2.740 χ^2/NDF:26370.0/1

\+ sign 4683.373+/-1.069 χ^2/NDF: 919820.5/19

All: 4556.832+/-0.759 χ^2/NDF: 1943638.4/40

\- sign 4428.219+/-1.078 χ^2/NDF: 995554.8/20

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:6.2/3

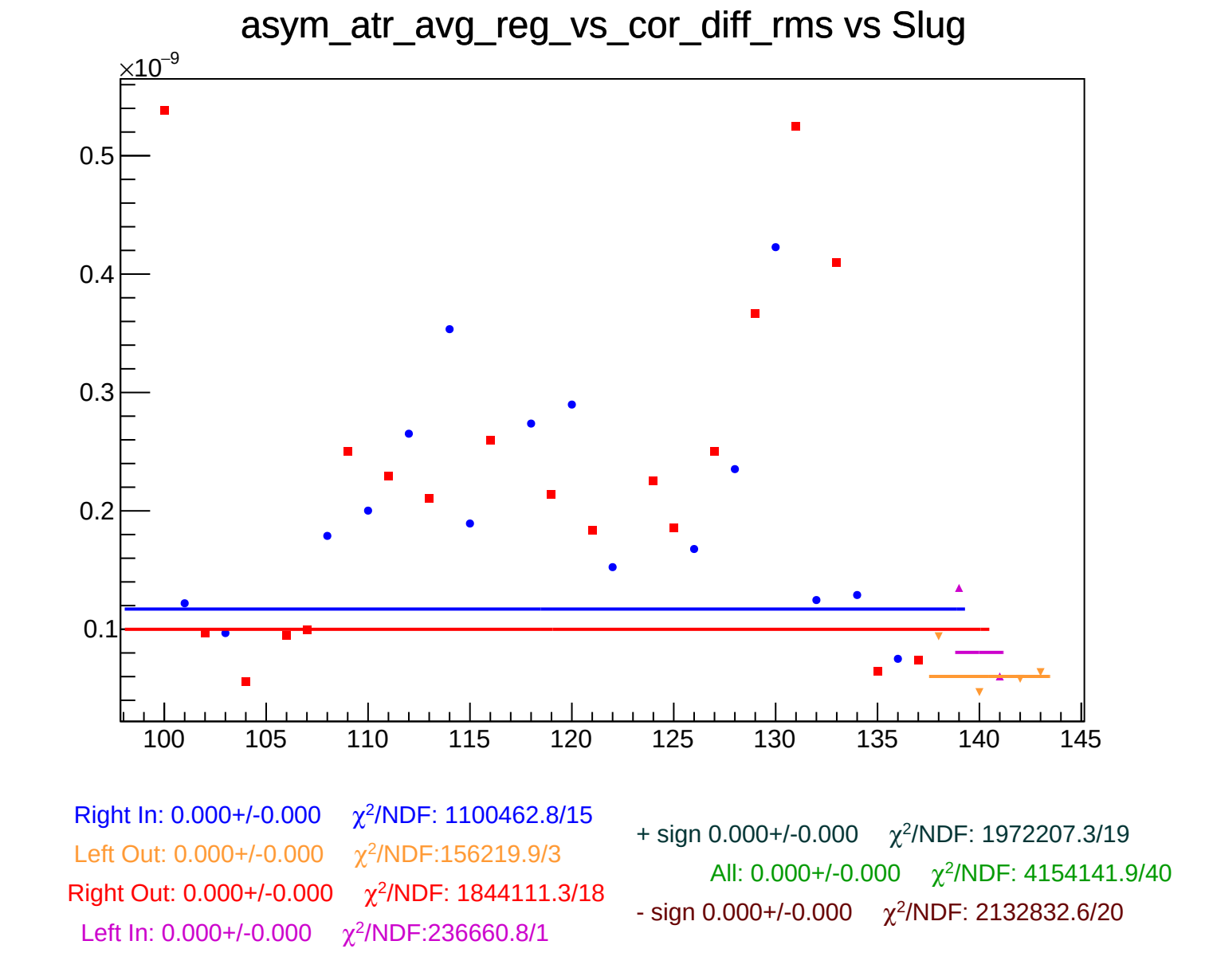
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/1

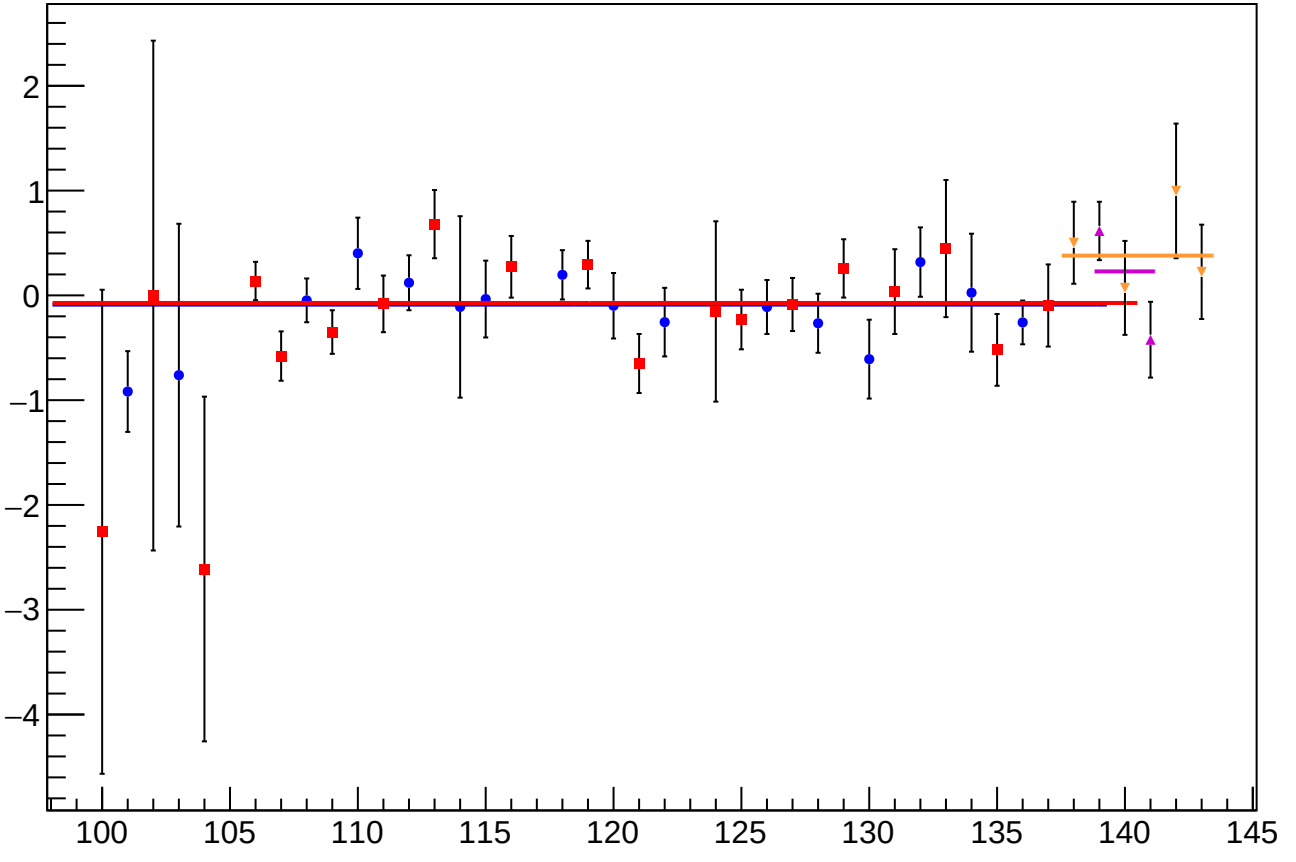
+ sign -0.000+/-0.000 χ^2/NDF: 22.1/19

All: 0.000+/-0.000 χ^2/NDF: 42.0/40

- sign 0.000+/-0.000 χ^2/NDF: 18.7/20


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:156219.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:236660.8/1
+ sign 0.000+/-0.000 χ²/NDF: 1972207.3/19
All: 0.000+/-0.000 χ²/NDF: 4154141.9/40
- sign 0.000+/-0.000 χ²/NDF: 2132832.6/20

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.380+/-0.230 χ^2/NDF:1.6/3

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

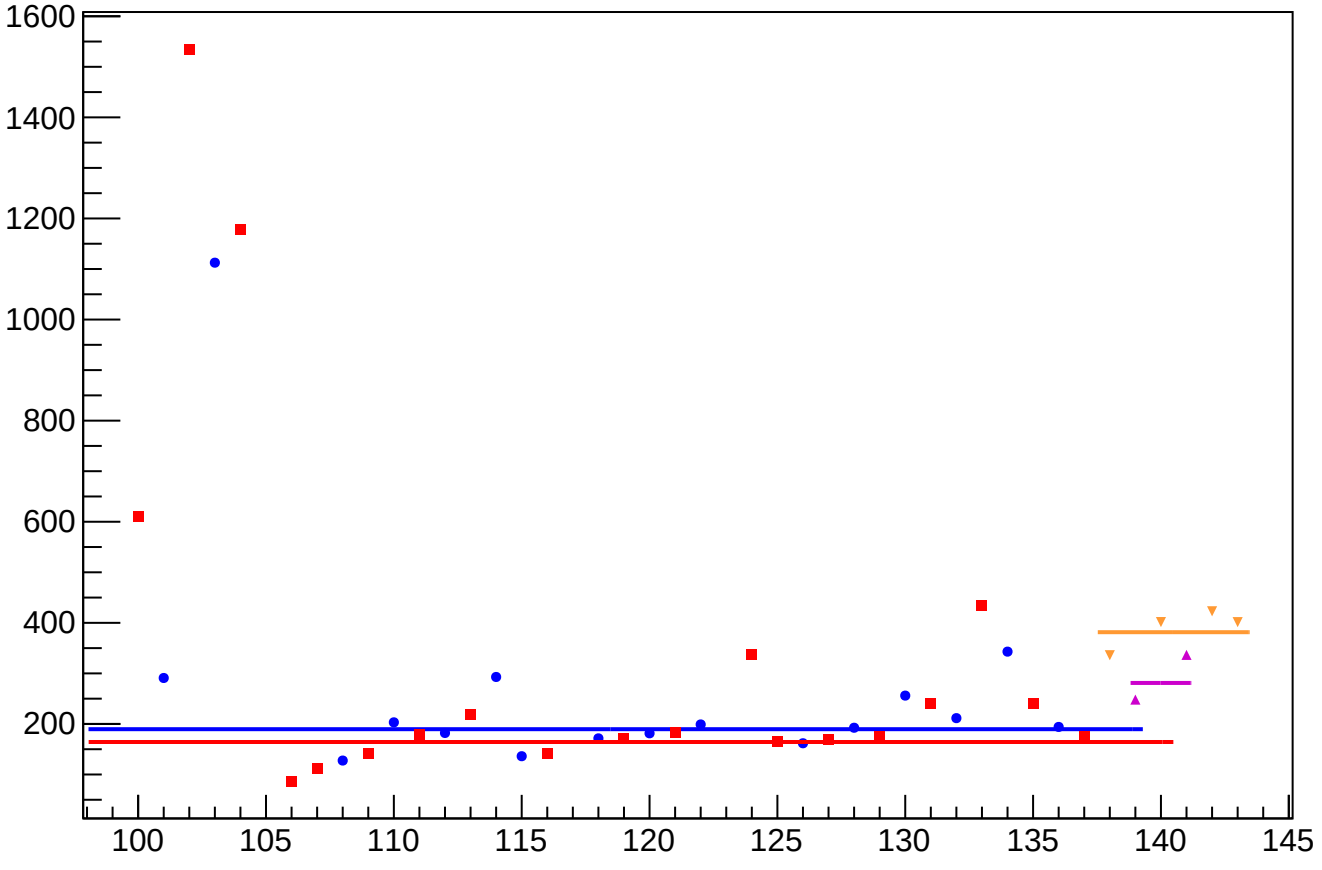
Left In: 0.229+/-0.221 χ^2/NDF:5.2/1

+ sign -0.041+/-0.073 χ^2/NDF: 19.2/19

All: -0.043+/-0.049 χ^2/NDF: 54.7/40

- sign -0.045+/-0.067 χ^2/NDF: 35.5/20

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 381.515+/-0.163 χ^2/NDF:43285.9/3

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

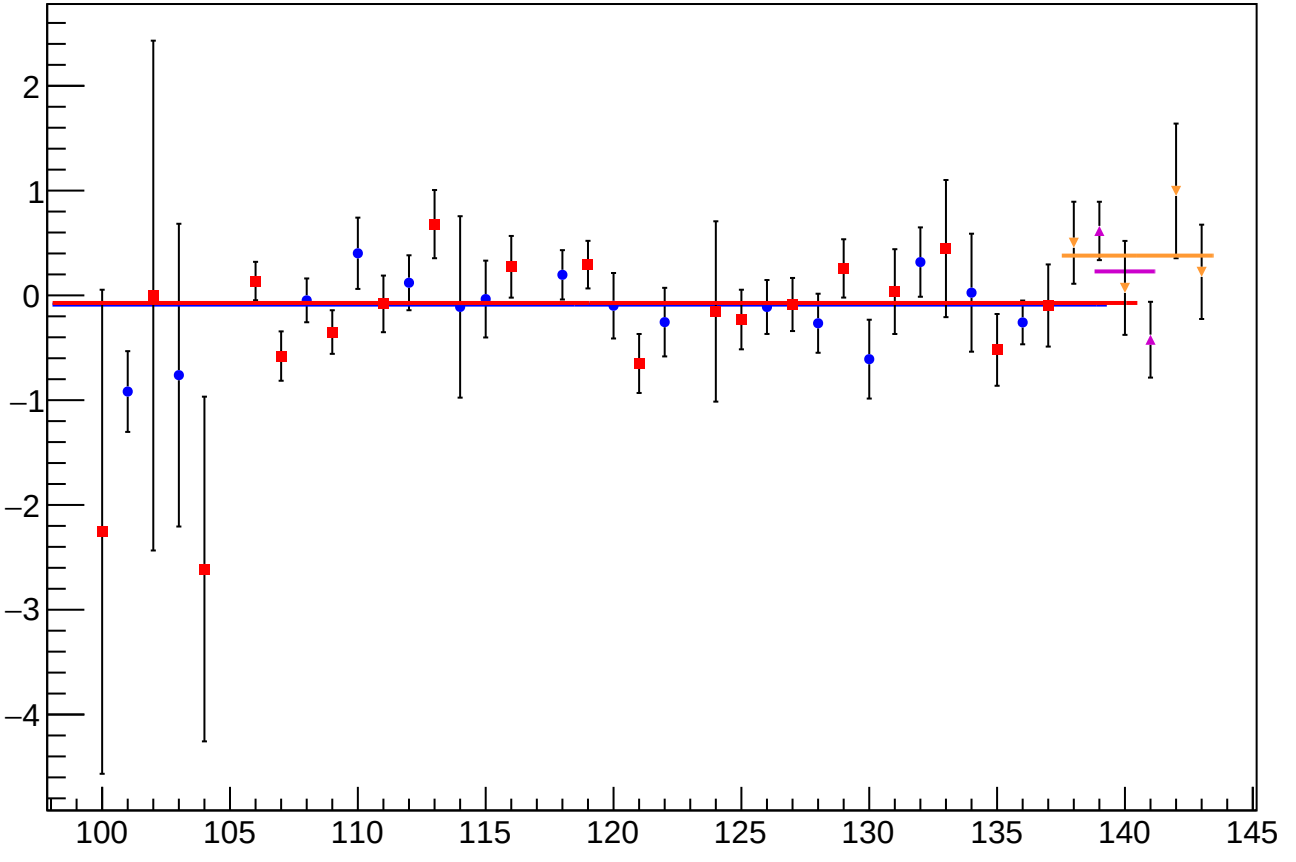
Left In: 281.110+/-0.156 χ^2/NDF:75125.0/1

+ sign 208.827+/-0.051 χ^2/NDF: 2758942.4/19

All: 190.424+/-0.035 χ^2/NDF: 6221786.4/40

- sign 174.972+/-0.047 χ^2/NDF: 3227917.7/20

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: 0.380+/-0.230 χ^2/NDF:1.6/3

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

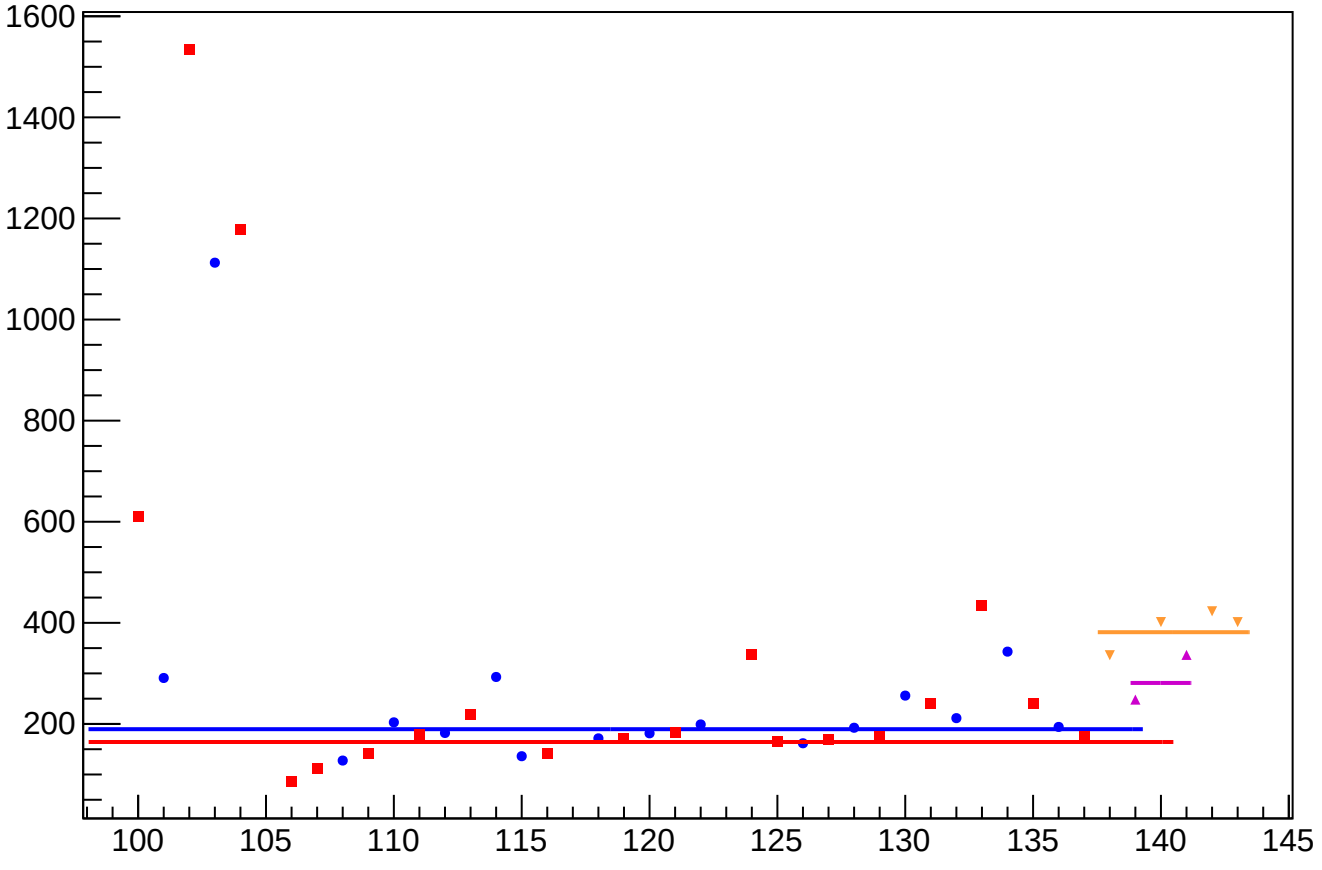
Left In: 0.229+/-0.221 χ^2/NDF:5.2/1

+ sign -0.041+/-0.073 χ^2/NDF: 19.2/19

All: -0.043+/-0.049 χ^2/NDF: 54.7/40

- sign -0.045+/-0.067 χ^2/NDF: 35.5/20

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: 381.515+/-0.163 χ^2/NDF:43285.9/3

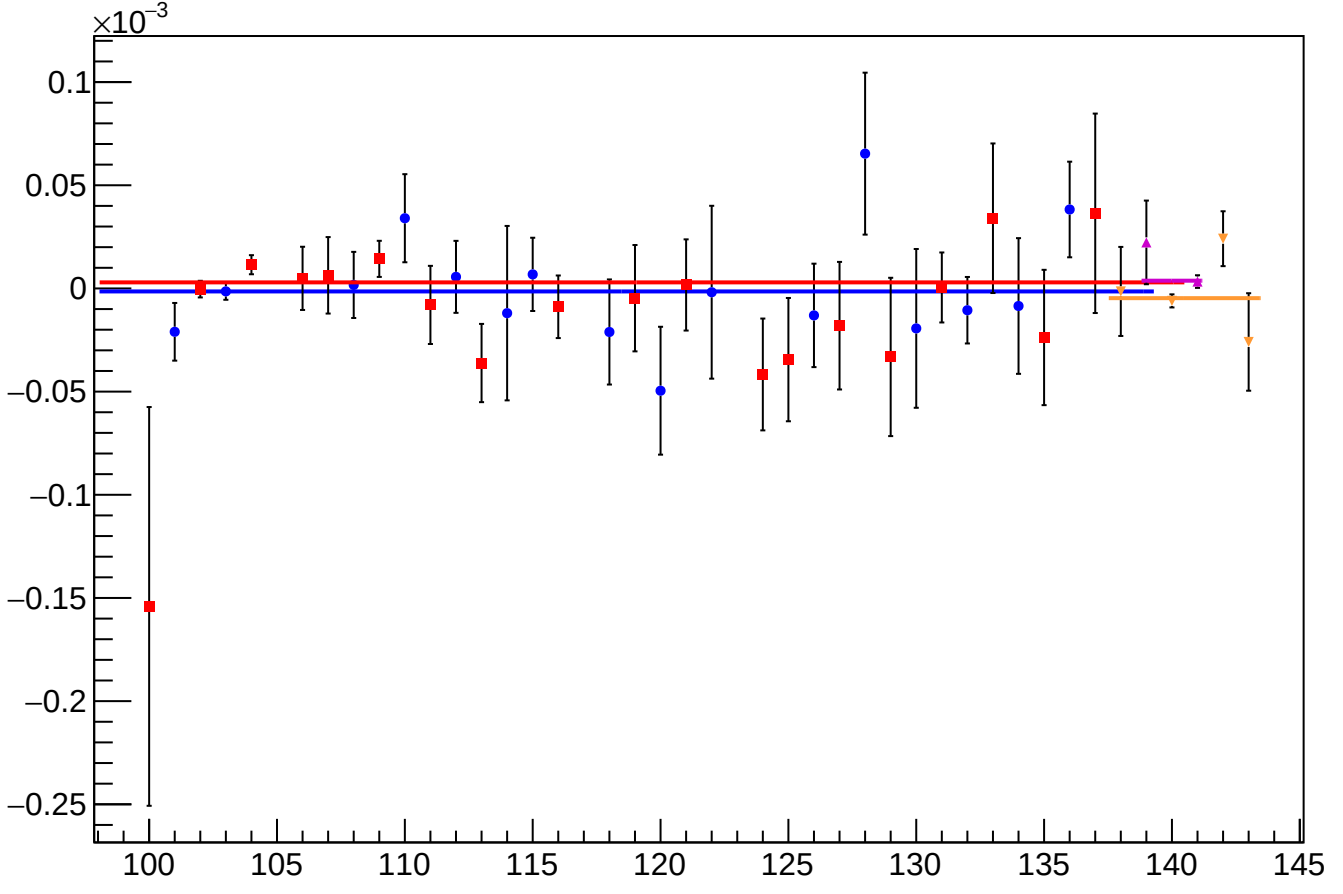
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 281.110+/-0.156 χ^2/NDF:75125.0/1

+ sign 208.827+/-0.051 χ^2/NDF: 2758942.4/19

All: 190.424+/-0.035 χ^2/NDF: 6221786.4/40

- sign 174.972+/-0.047 χ^2/NDF: 3227917.7/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/3

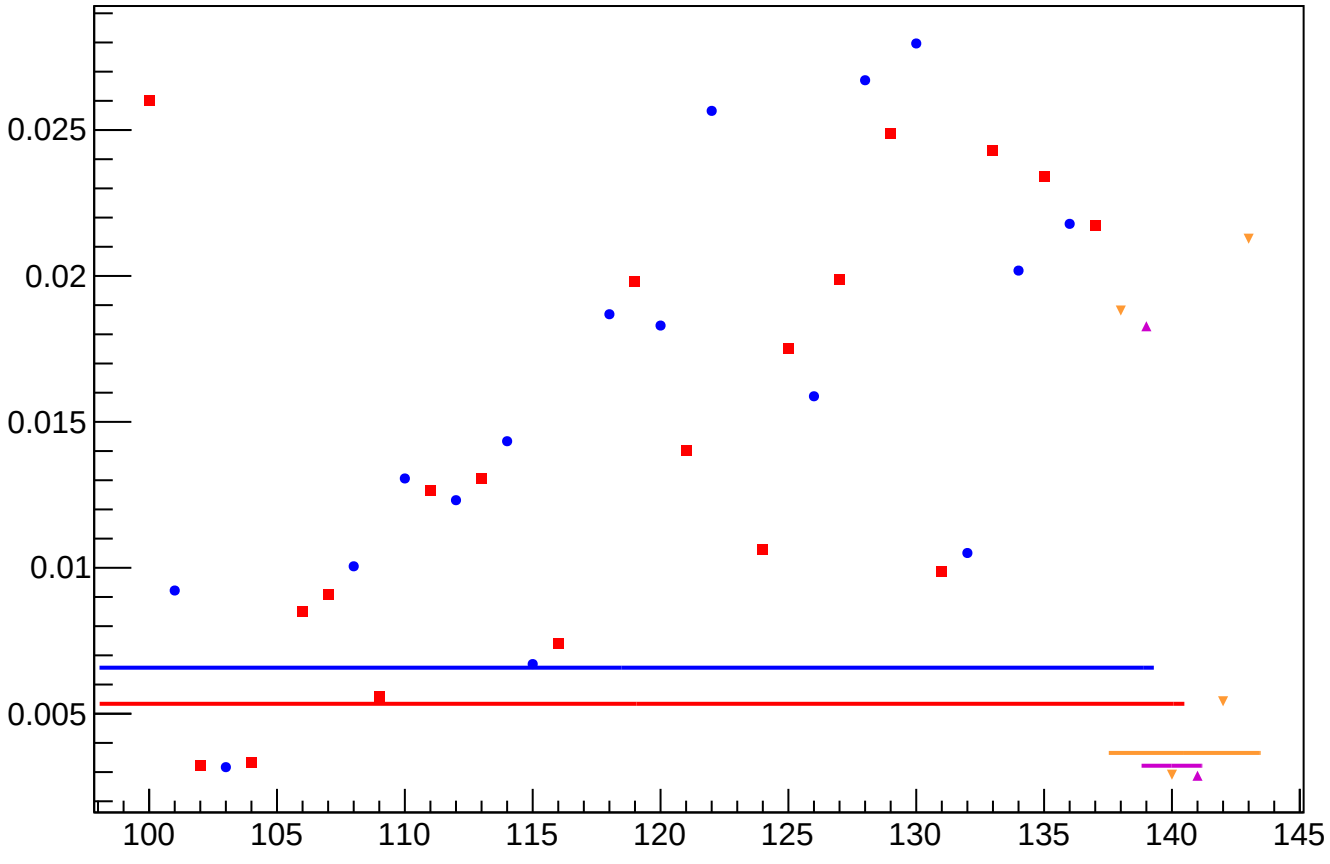
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 21.1/19

All: 0.000+/-0.000 χ^2/NDF: 48.0/40

- sign 0.000+/-0.000 χ^2/NDF: 22.2/20



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2245516.1/3

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

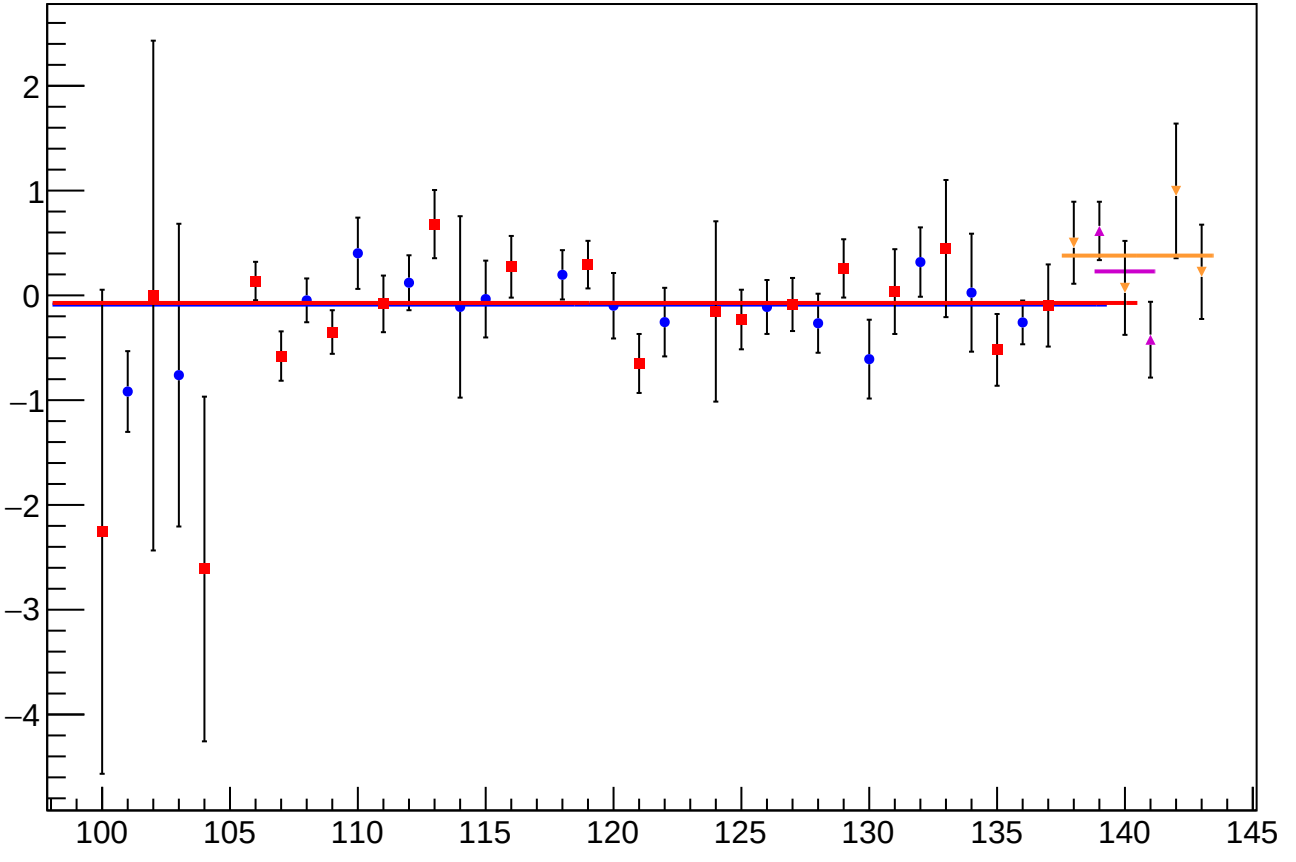
Left In: 0.003+/-0.000 χ^2/NDF:1128866.2/1

+ sign 0.005+/-0.000 χ^2/NDF: 9019905.0/19

All: 0.005+/-0.000 χ^2/NDF: 16472153.0/40

- sign 0.004+/-0.000 χ^2/NDF: 7387497.2/20

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: 0.380+/-0.230 χ^2/NDF:1.6/3

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

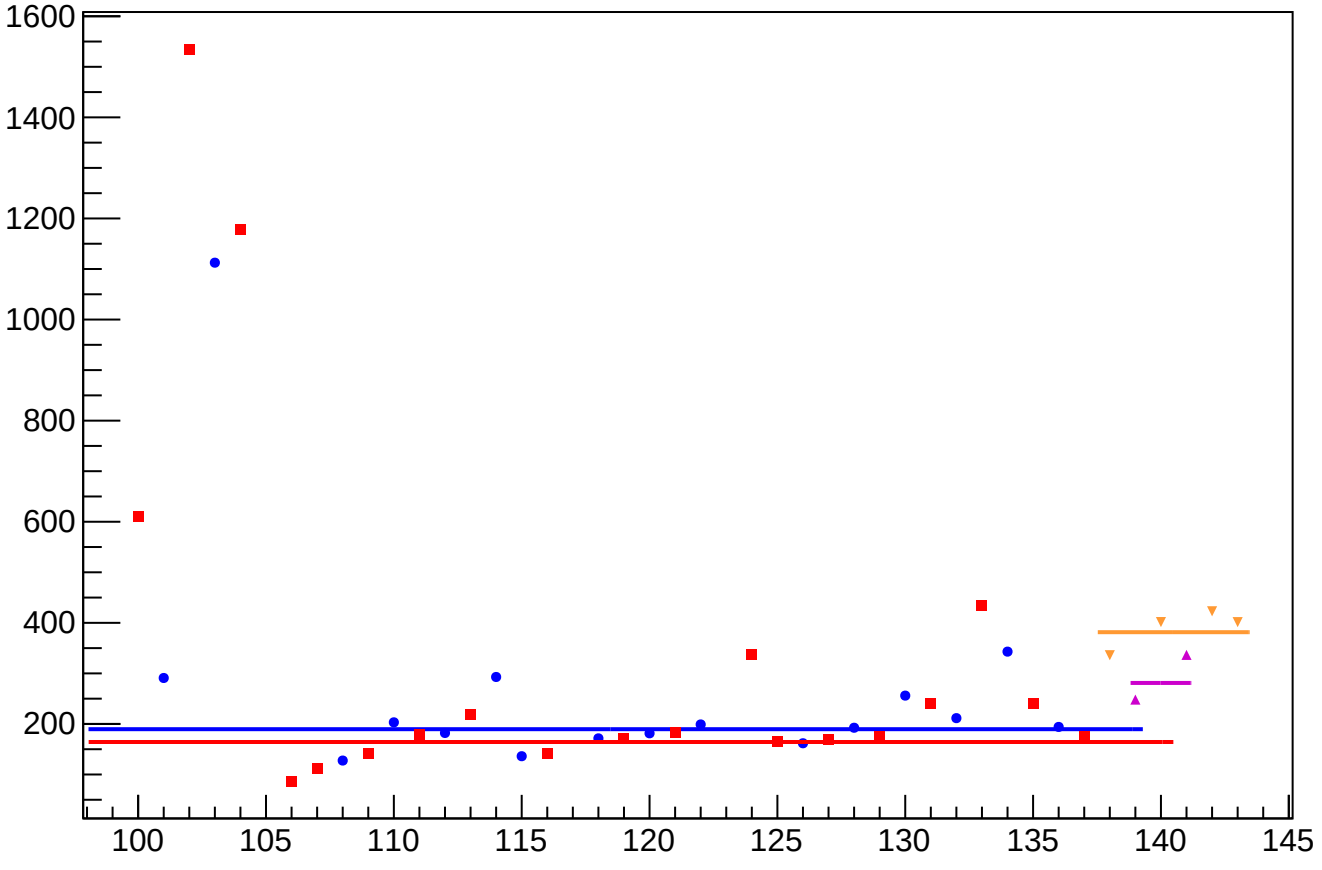
Left In: 0.229+/-0.221 χ^2/NDF:5.2/1

+ sign -0.041+/-0.073 χ^2/NDF: 19.2/19

All: -0.043+/-0.049 χ^2/NDF: 54.7/40

- sign -0.045+/-0.067 χ^2/NDF: 35.5/20

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: 381.520+/-0.163 χ^2/NDF:43281.9/3

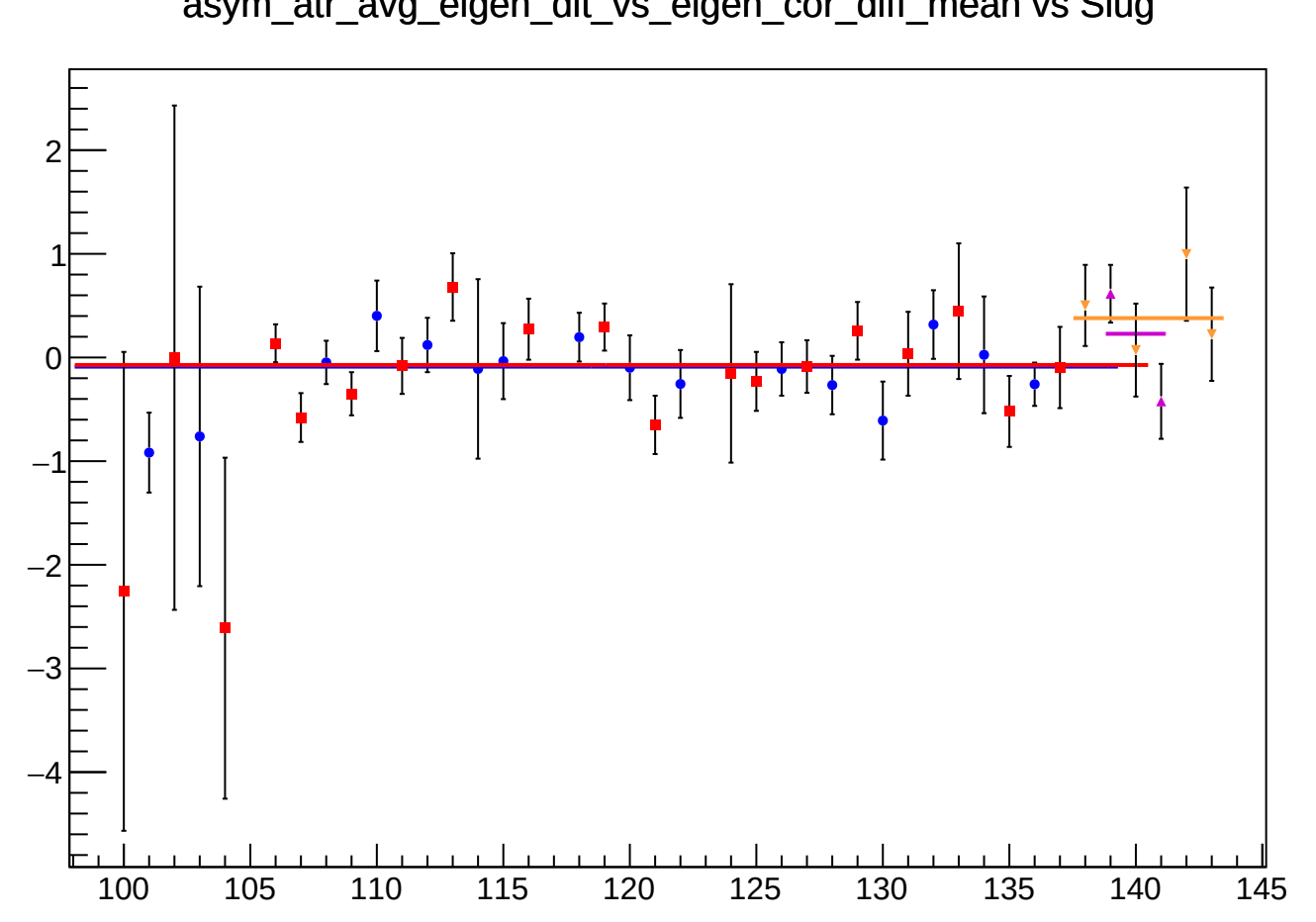
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 281.113+/-0.156 χ^2/NDF:75116.2/1

+ sign 208.826+/-0.051 χ^2/NDF: 2758968.0/19

All: 190.424+/-0.035 χ^2/NDF: 6221804.3/40

- sign 174.971+/-0.047 χ^2/NDF: 3227908.8/20



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.380+/-0.230 χ^2/NDF:1.6/3

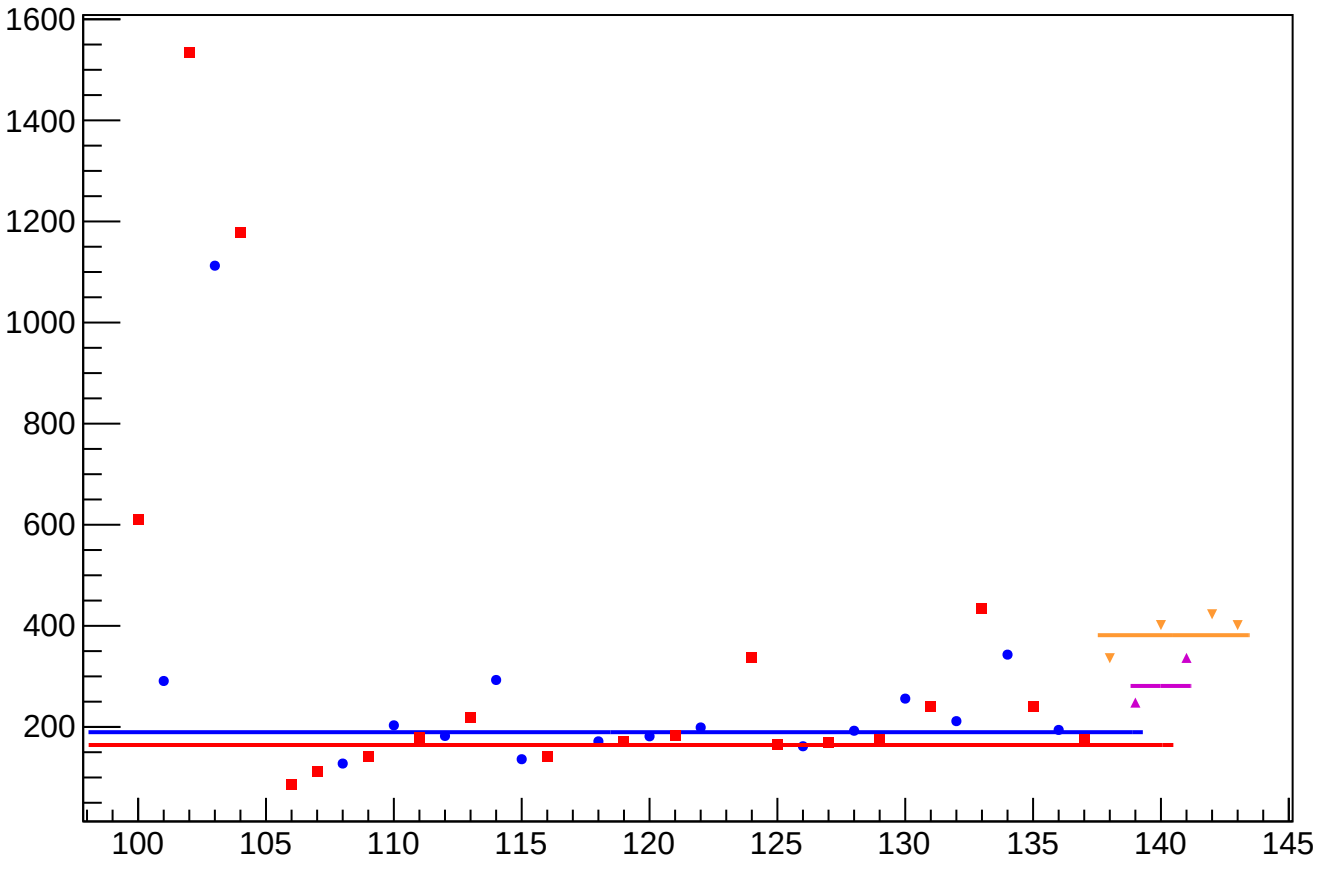
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.229+/-0.221 χ^2/NDF:5.2/1

+ sign -0.041+/-0.073 χ^2/NDF: 19.2/19

All: -0.043+/-0.049 χ^2/NDF: 54.7/40

- sign -0.045+/-0.067 χ^2/NDF: 35.5/20



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 381.520+/-0.163 χ^2/NDF:43281.9/3

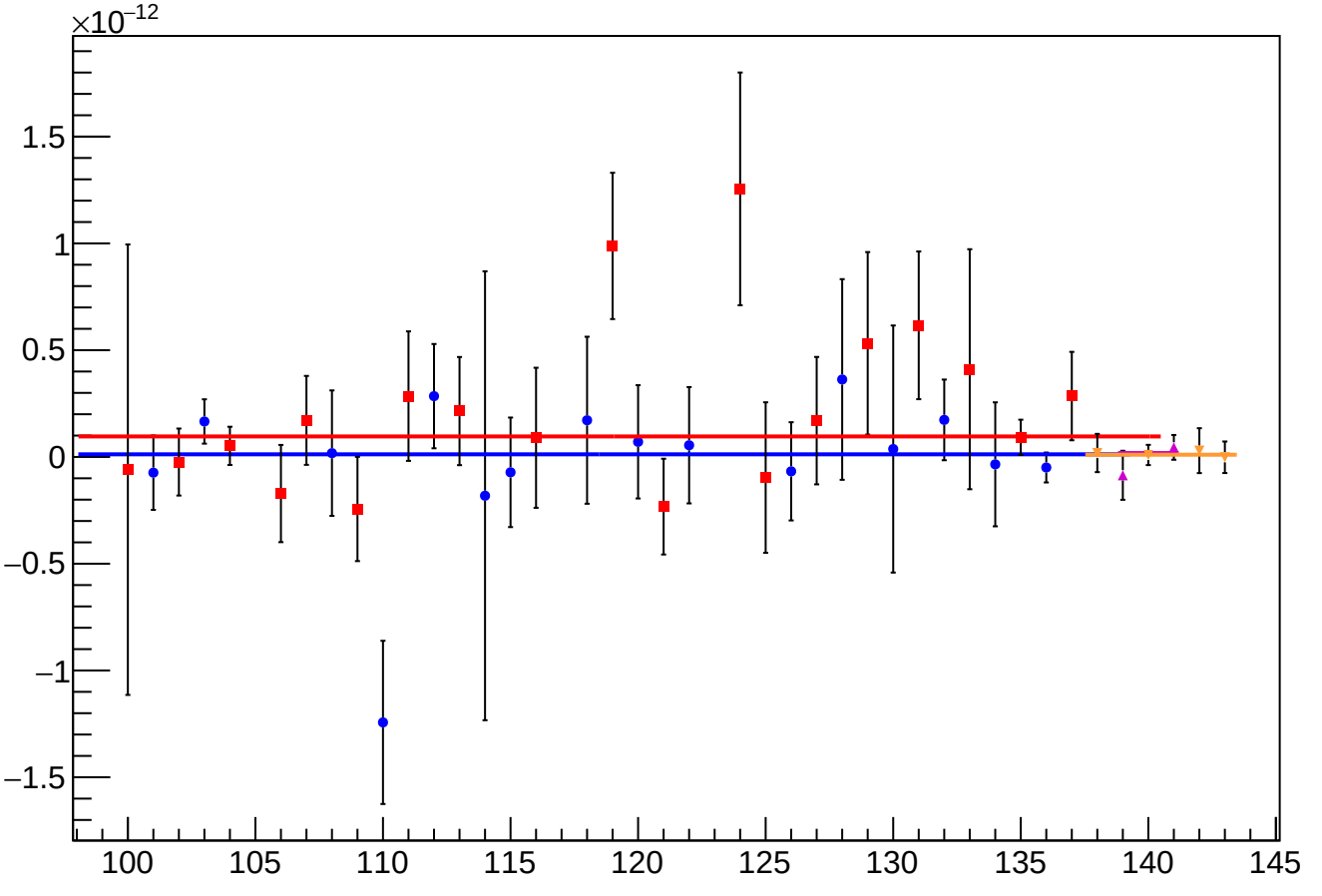
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 281.113+/-0.156 χ^2/NDF:75116.2/1

+ sign 208.826+/-0.051 χ^2/NDF: 2758968.0/19

All: 190.424+/-0.035 χ^2/NDF: 6221804.3/40

- sign 174.971+/-0.047 χ^2/NDF: 3227908.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/3

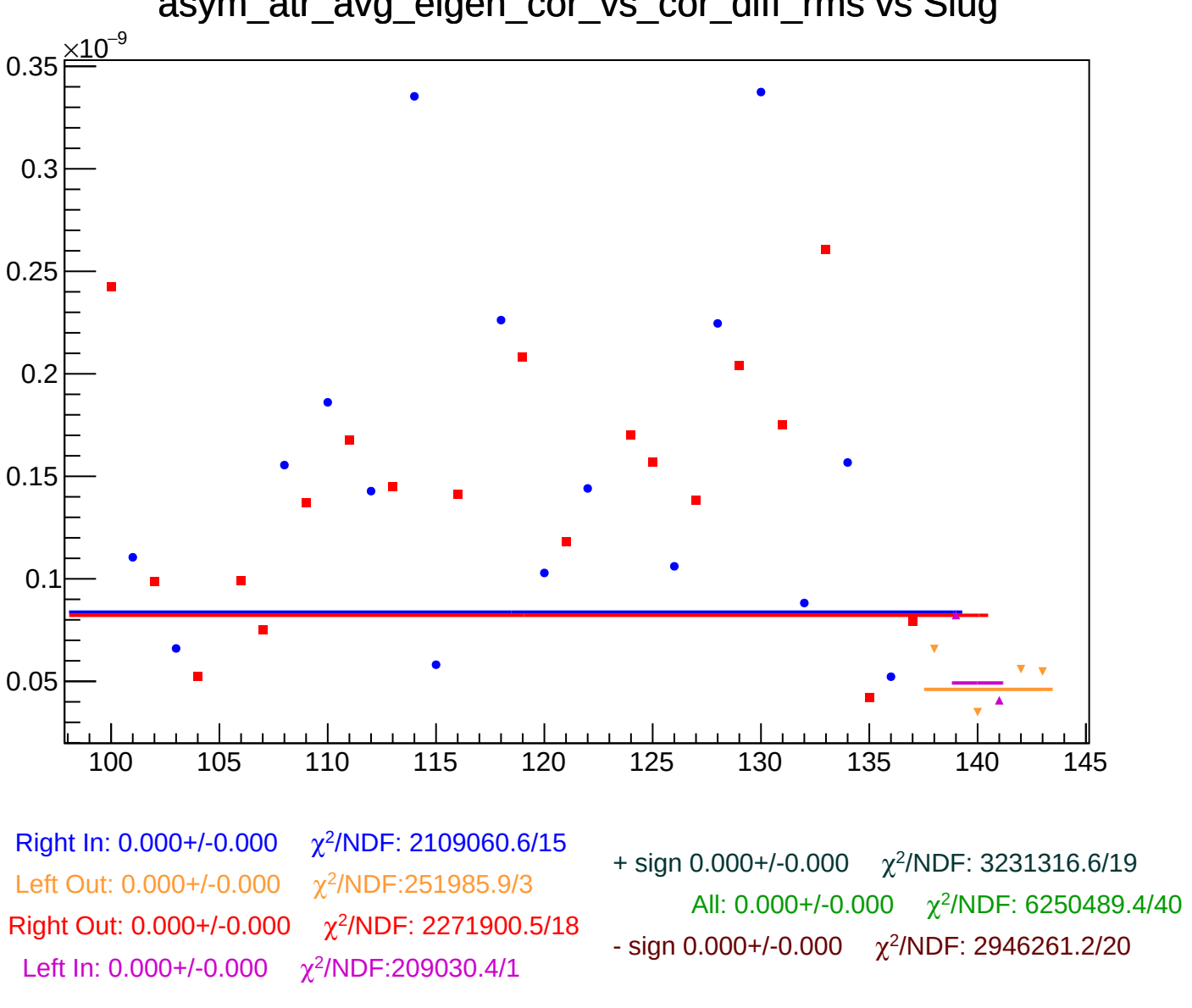
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

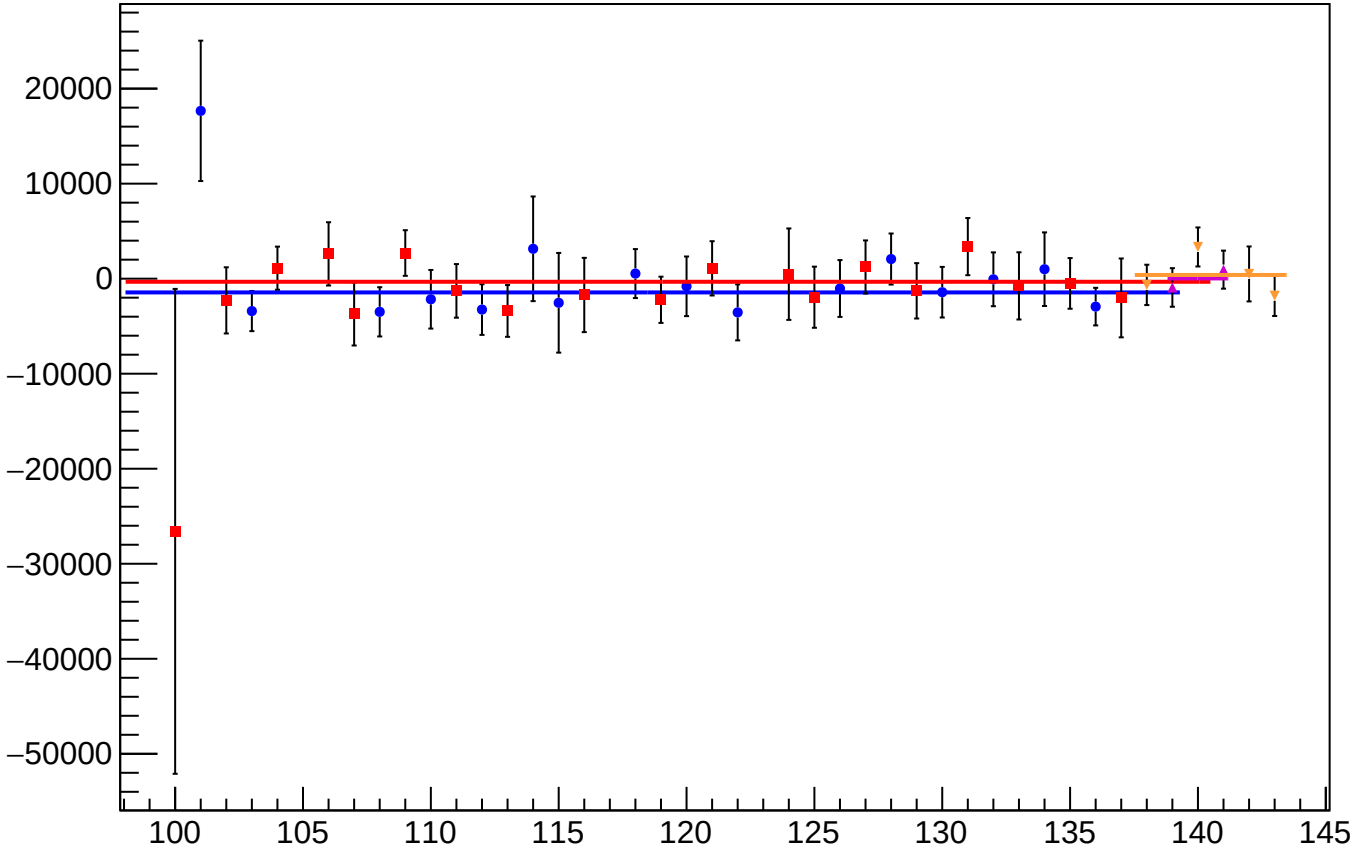
+ sign 0.000+/-0.000 χ^2/NDF: 17.1/19

All: 0.000+/-0.000 χ^2/NDF: 44.0/40

- sign 0.000+/-0.000 χ^2/NDF: 25.5/20


asym_atr_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: 2109060.6/15
Left Out: 0.000+/-0.000 χ²/NDF:251985.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 2271900.5/18
Left In: 0.000+/-0.000 χ²/NDF:209030.4/1
+ sign 0.000+/-0.000 χ²/NDF: 3231316.6/19
All: 0.000+/-0.000 χ²/NDF: 6250489.4/40
- sign 0.000+/-0.000 χ²/NDF: 2946261.2/20

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 389.887+/-1119.176 χ^2/NDF:3.4/3

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

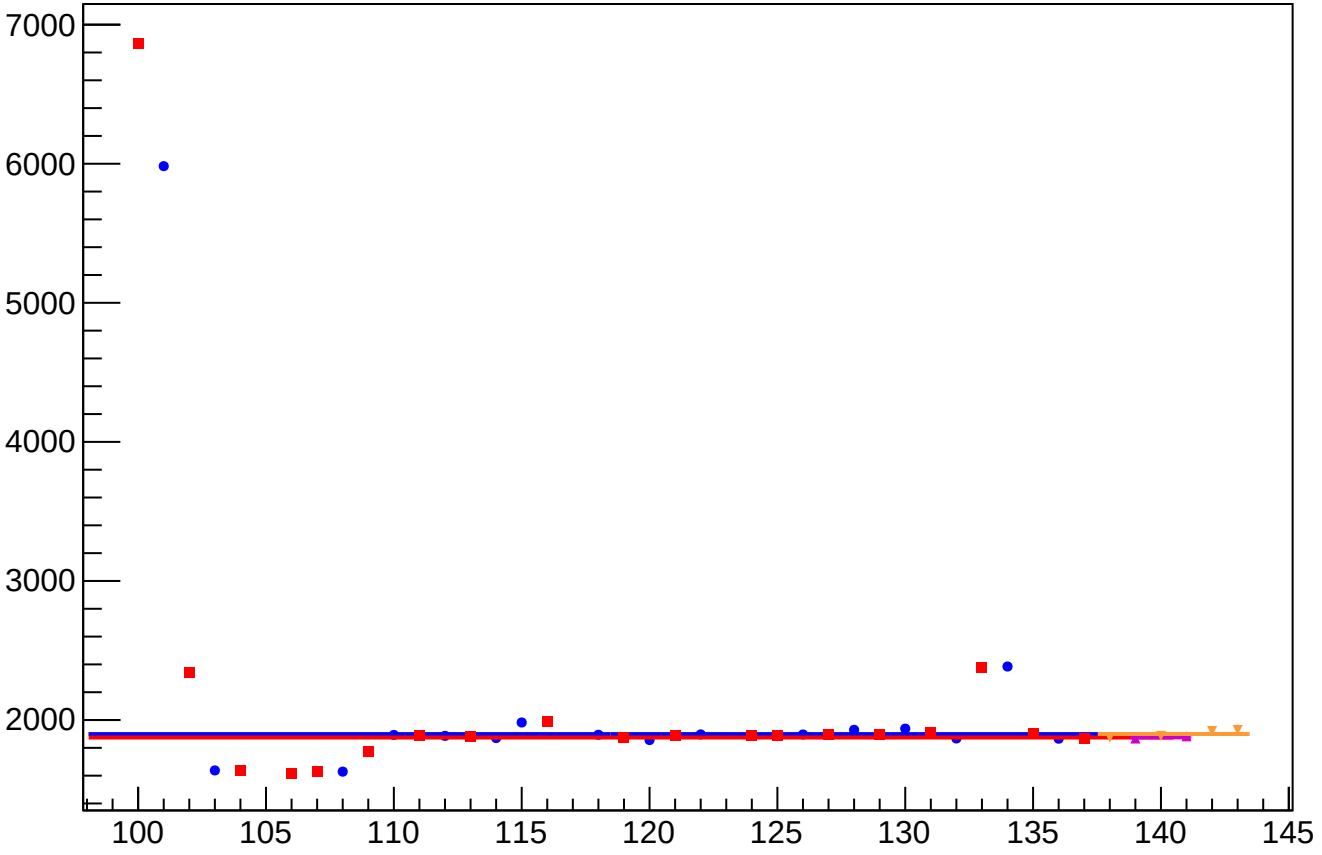
Left In: 26.227+/-1425.044 χ^2/NDF:0.4/1

+ sign -905.664+/-607.382 χ^2/NDF: 18.8/19

All: -593.309+/-437.330 χ^2/NDF: 29.7/40

- sign -257.040+/-630.205 χ^2/NDF: 10.4/20

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

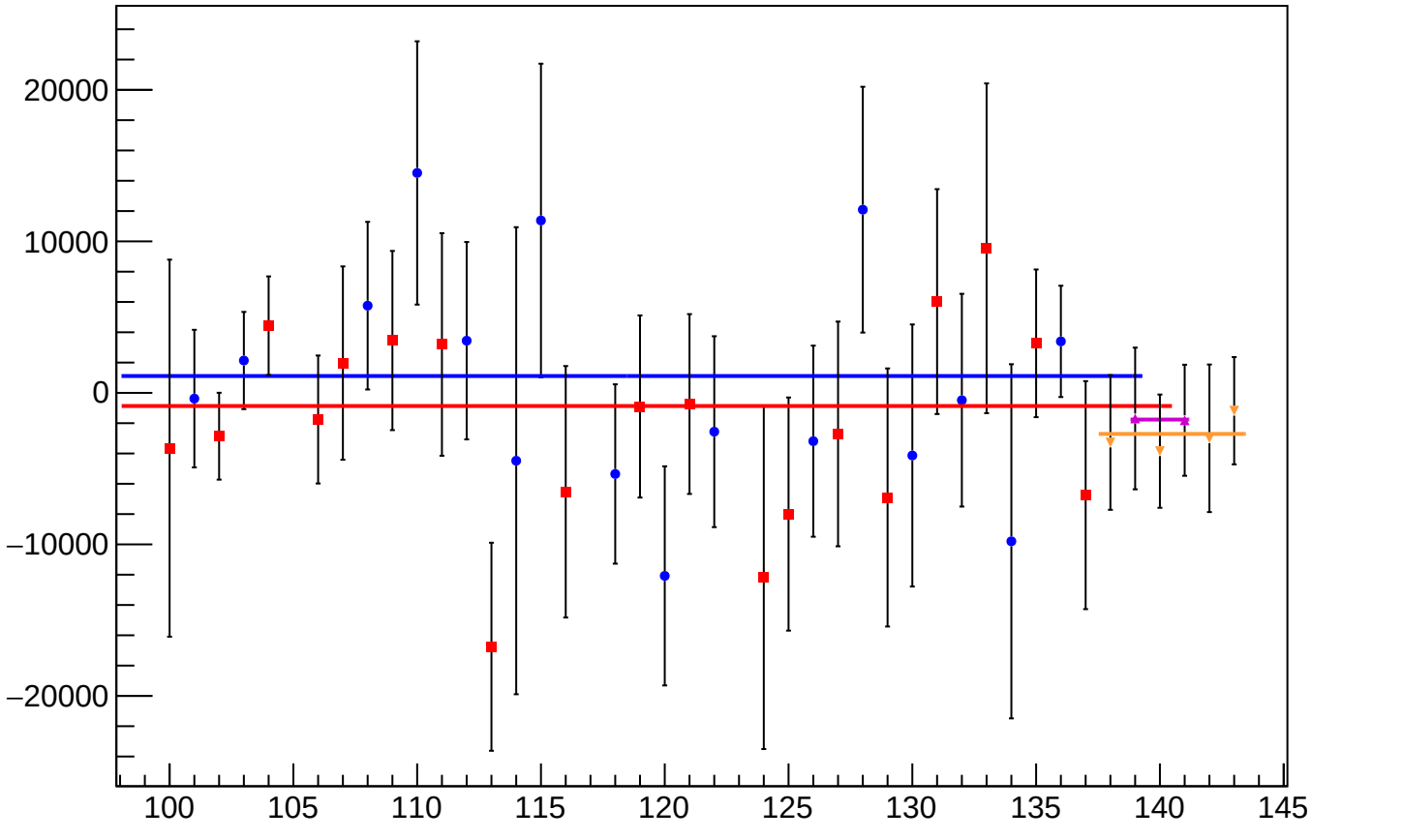
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1875.303+/-1.008 χ^2/NDF:61.4/1

+ sign 1899.032+/-0.429 χ^2/NDF: 698355.0/19

All: 1887.163+/-0.309 χ^2/NDF: 907656.2/40

- sign 1874.456+/-0.444 χ^2/NDF: 207720.0/20



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2709.215+/-2023.777 χ^2/NDF:0.3/3

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

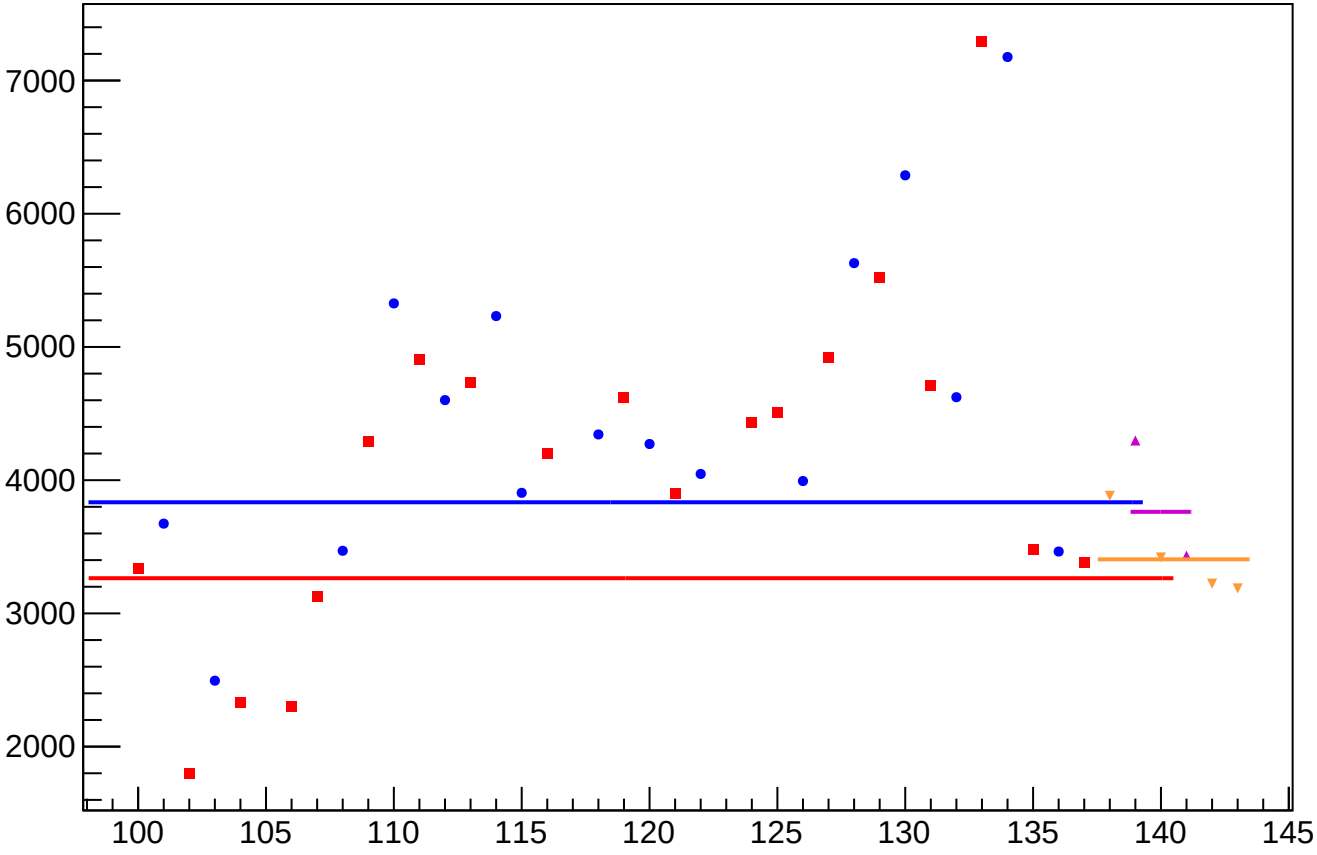
Left In: -1761.924+/-2884.461 χ^2/NDF:0.0/1

+ sign -218.192+/-1194.247 χ^2/NDF: 16.0/19

All: -620.035+/-843.188 χ^2/NDF: 31.9/40

- sign -1019.466+/-1190.657 χ^2/NDF: 15.7/20

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3405.946+/-1.431 χ^2/NDF:33444.2/3

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

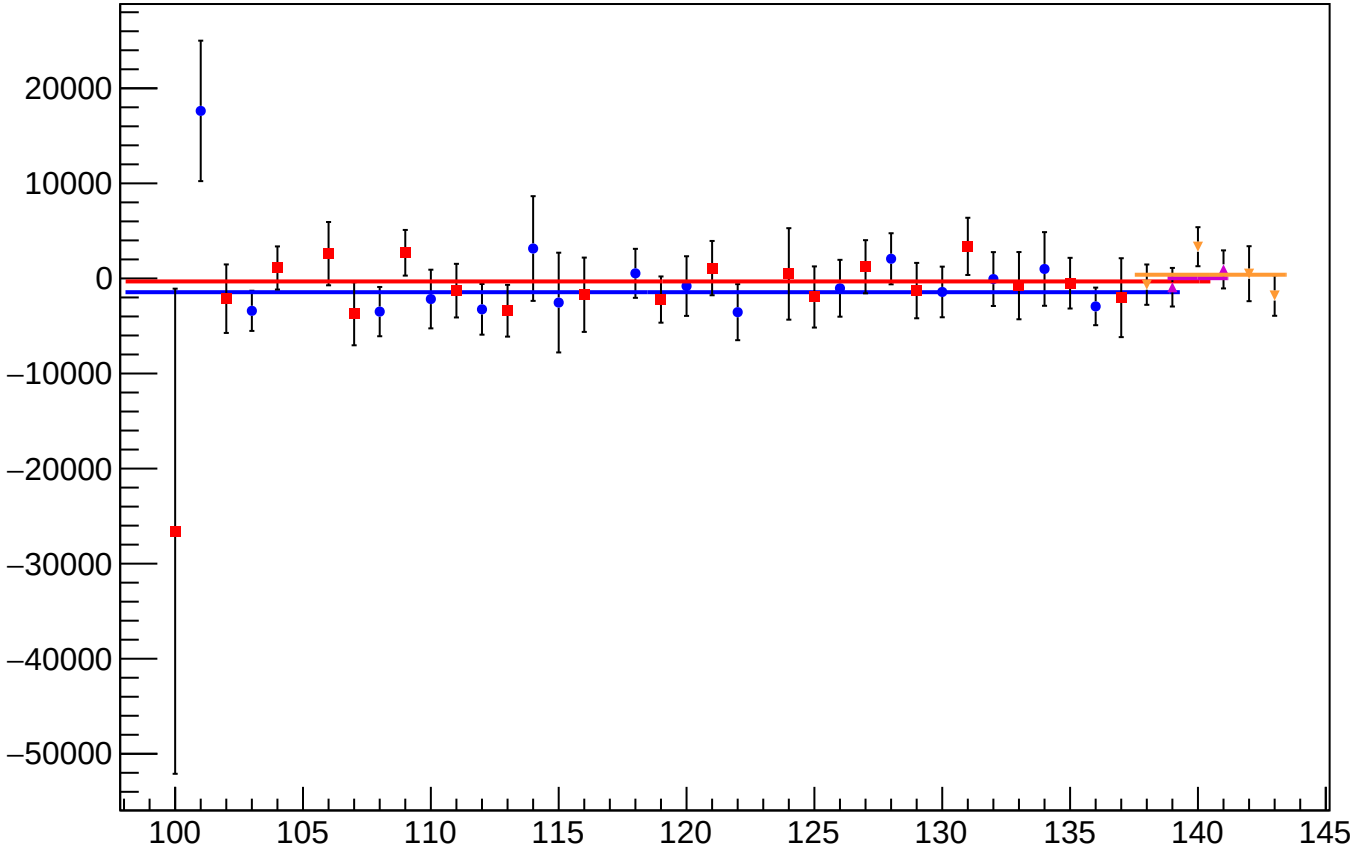
Left In: 3762.431+/-2.040 χ^2/NDF:42340.5/1

+ sign 3685.047+/-0.844 χ^2/NDF: 1048581.9/19

All: 3516.527+/-0.596 χ^2/NDF: 3084093.6/40

- sign 3349.019+/-0.842 χ^2/NDF: 1956103.2/20

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 390.120+/-1119.176 χ^2/NDF:3.4/3

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

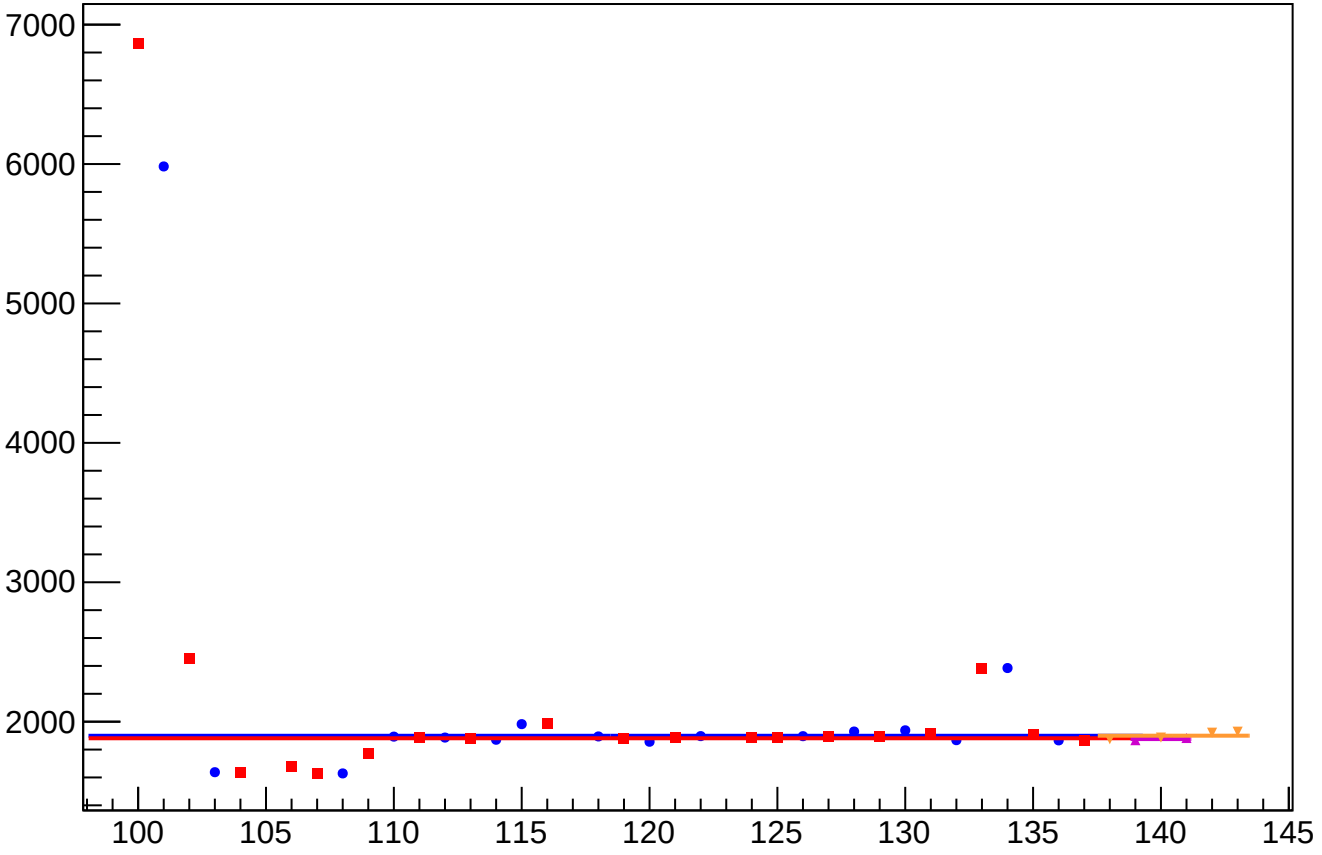
Left In: 26.121+/-1425.044 χ^2/NDF:0.4/1

\+ sign -905.868+/-607.382 χ^2/NDF: 18.7/19

All: -589.664+/-437.558 χ^2/NDF: 29.6/40

\- sign -248.513+/-630.888 χ^2/NDF: 10.4/20

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

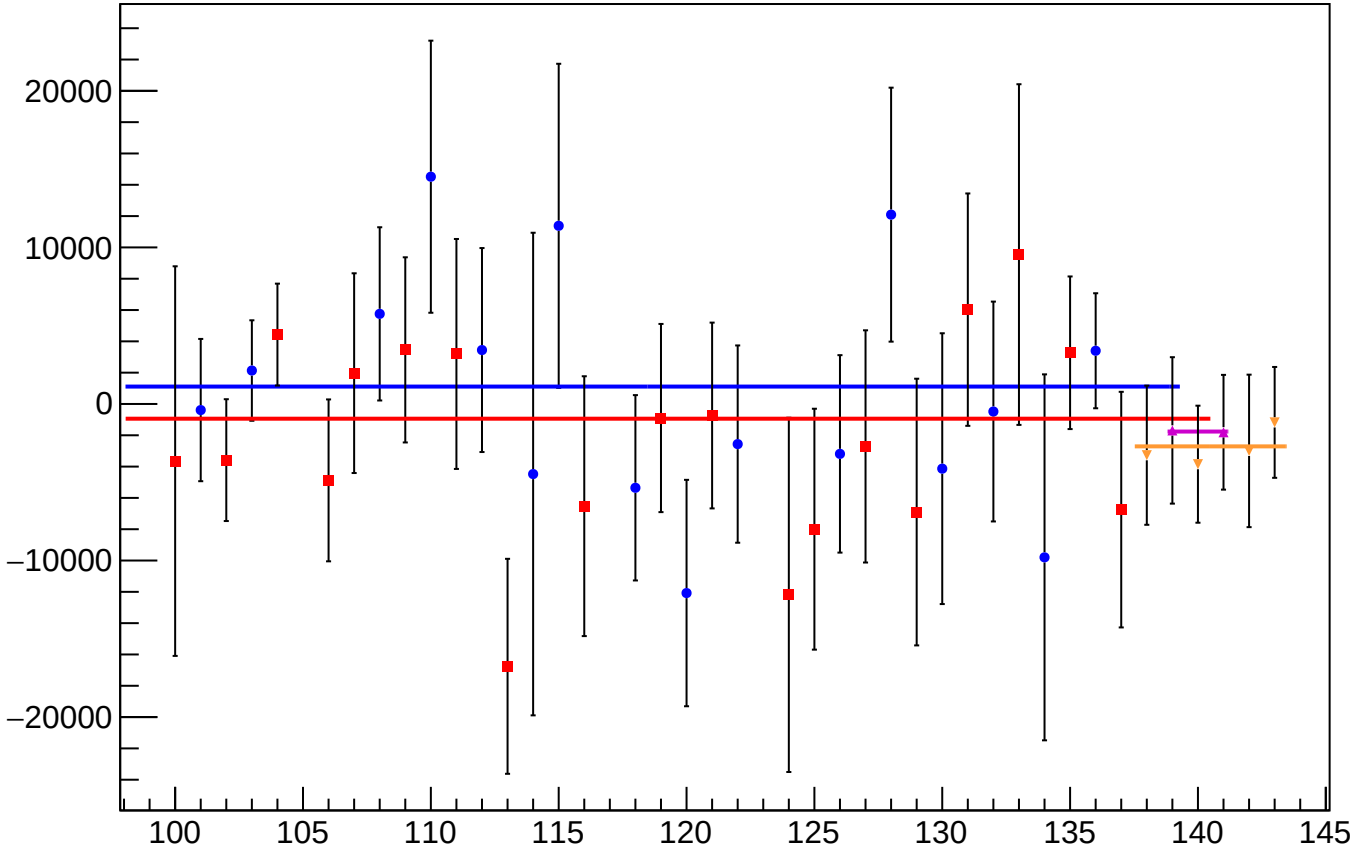
Left In: 1875.303+/-1.008 χ^2/NDF:61.4/1

+ sign 1899.032+/-0.429 χ^2/NDF: 698355.1/19

All: 1889.813+/-0.309 χ^2/NDF: 915963.2/40

- sign 1879.891+/-0.446 χ^2/NDF: 216651.5/20

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2708.869+/-2023.770 χ^2/NDF:0.3/3

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

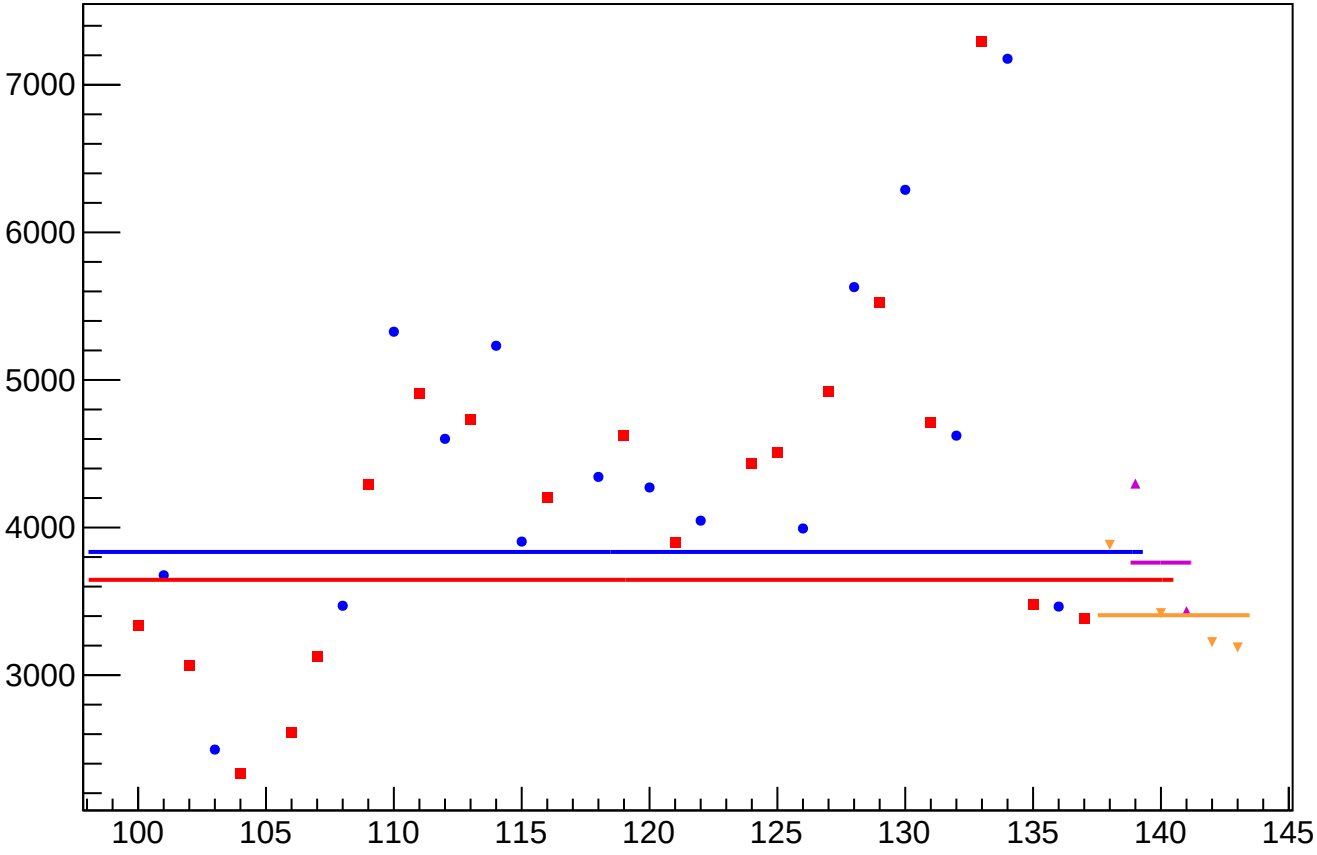
Left In: -1761.616+/-2884.452 χ^2/NDF:0.0/1

+ sign -219.043+/-1194.336 χ^2/NDF: 16.0/19

All: -635.004+/-866.401 χ^2/NDF: 32.5/40

- sign -1097.043+/-1258.753 χ^2/NDF: 16.2/20

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3405.935+/-1.431 χ^2/NDF:33446.3/3

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

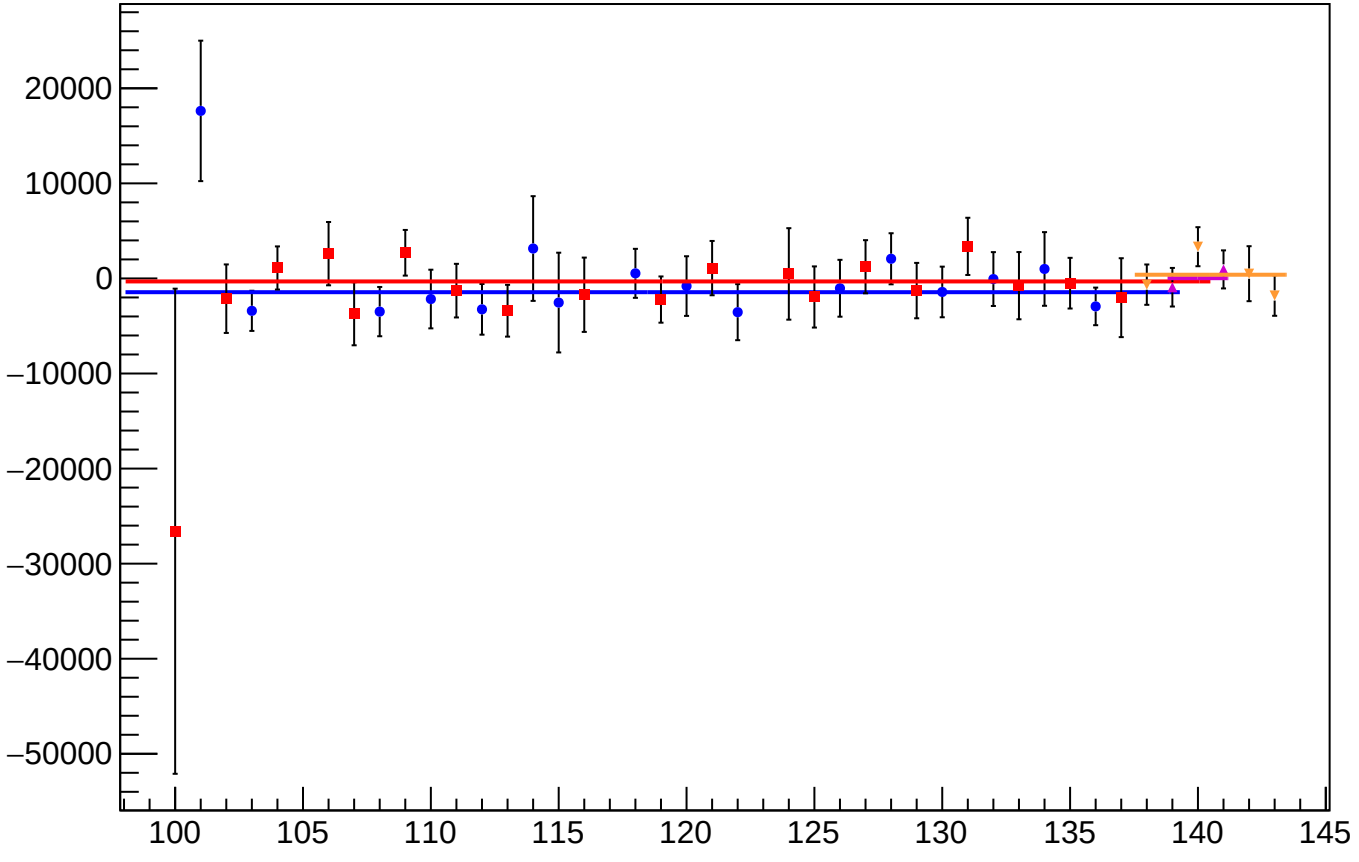
Left In: 3762.420+/-2.040 χ^2/NDF:42339.6/1

+ sign 3685.362+/-0.845 χ^2/NDF: 1048262.4/19

All: 3677.099+/-0.613 χ^2/NDF: 2218437.2/40

- sign 3667.919+/-0.890 χ^2/NDF: 1169972.7/20

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 390.120+/-1119.176 χ^2/NDF:3.4/3

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

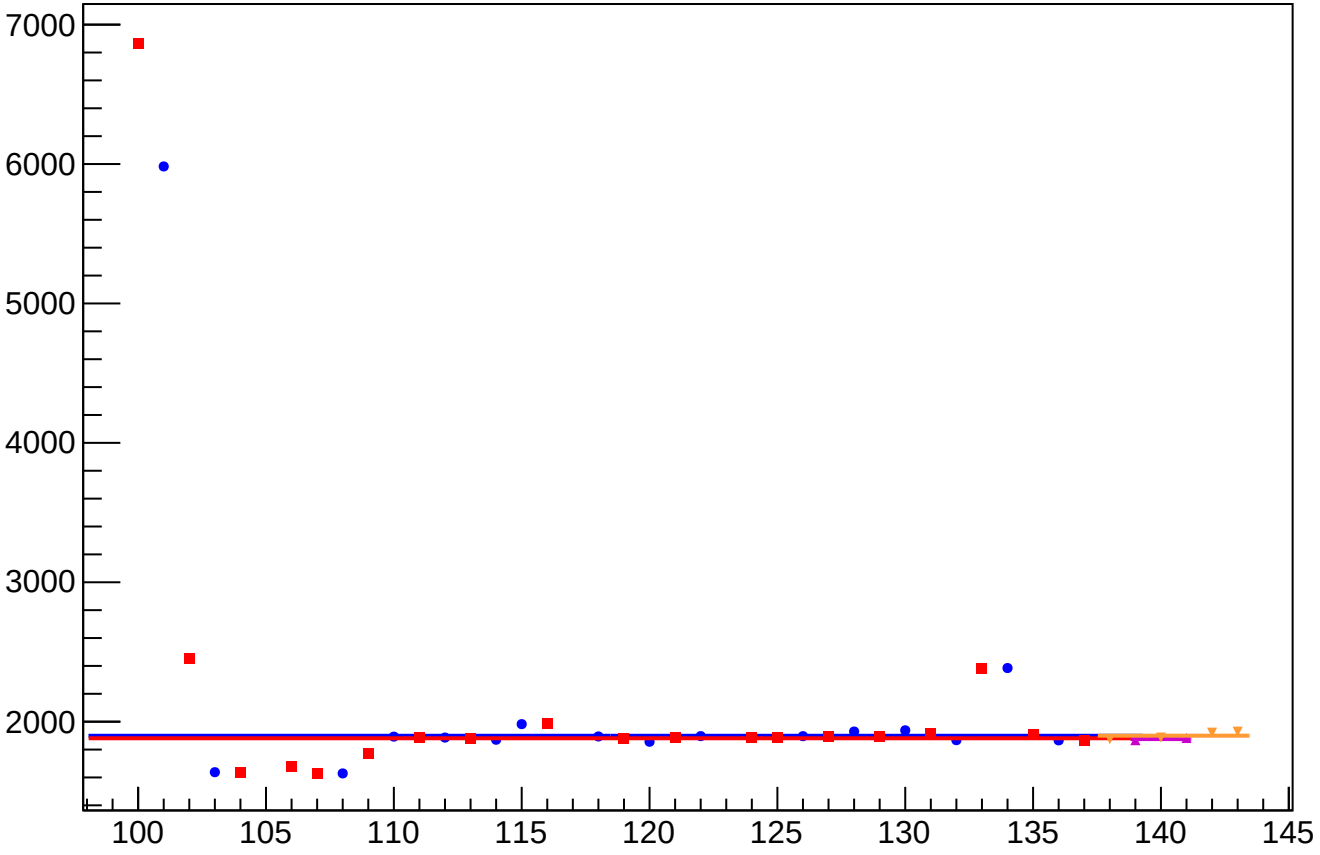
Left In: 26.121+/-1425.044 χ^2/NDF:0.4/1

+ sign -905.868+/-607.382 χ^2/NDF: 18.7/19

All: -589.664+/-437.558 χ^2/NDF: 29.6/40

- sign -248.513+/-630.888 χ^2/NDF: 10.4/20

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

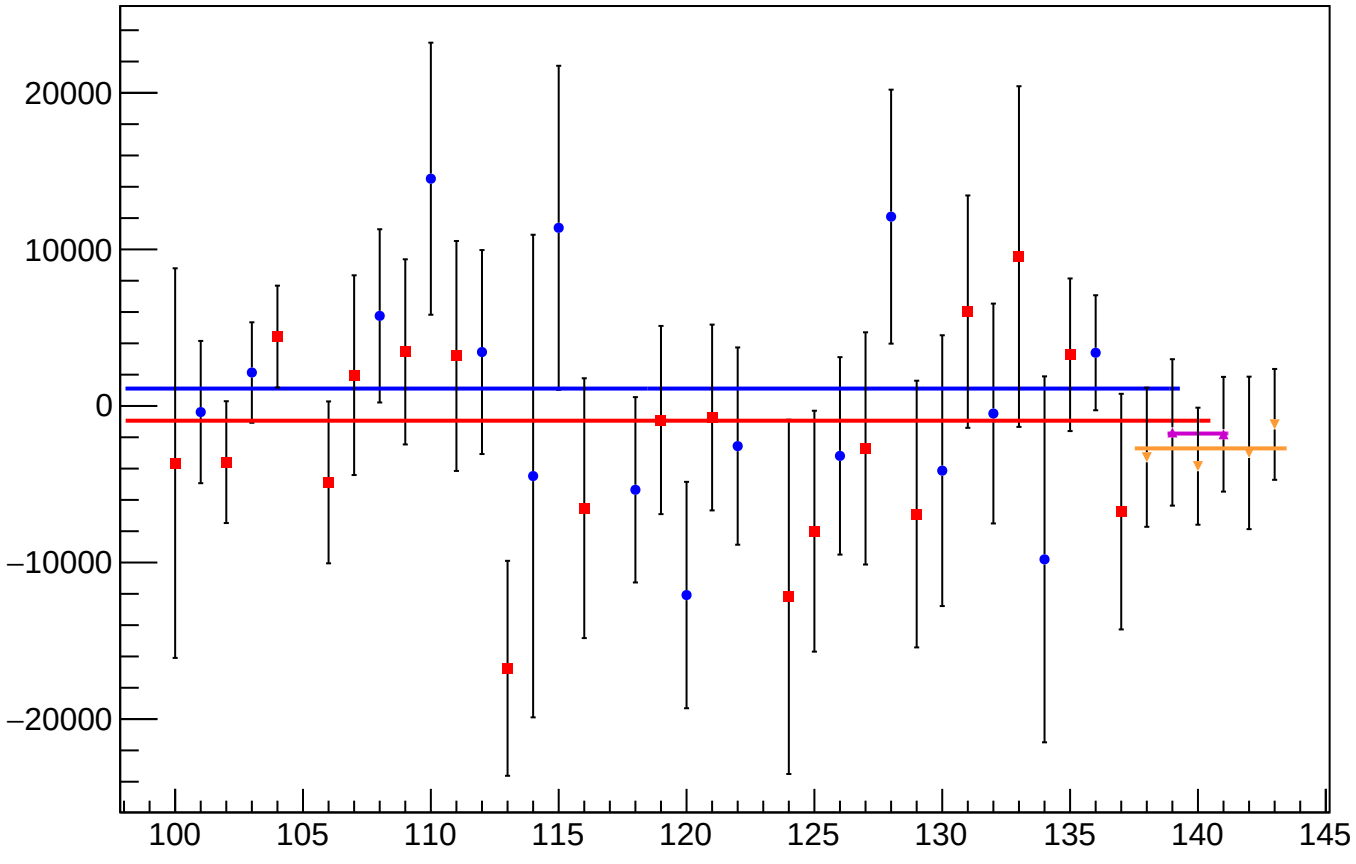
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1875.303+/-1.008 χ^2/NDF:61.4/1

+ sign 1899.032+/-0.429 χ^2/NDF: 698355.1/19

All: 1889.813+/-0.309 χ^2/NDF: 915963.2/40

- sign 1879.891+/-0.446 χ^2/NDF: 216651.5/20



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2708.869+/-2023.770 χ^2/NDF:0.3/3

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

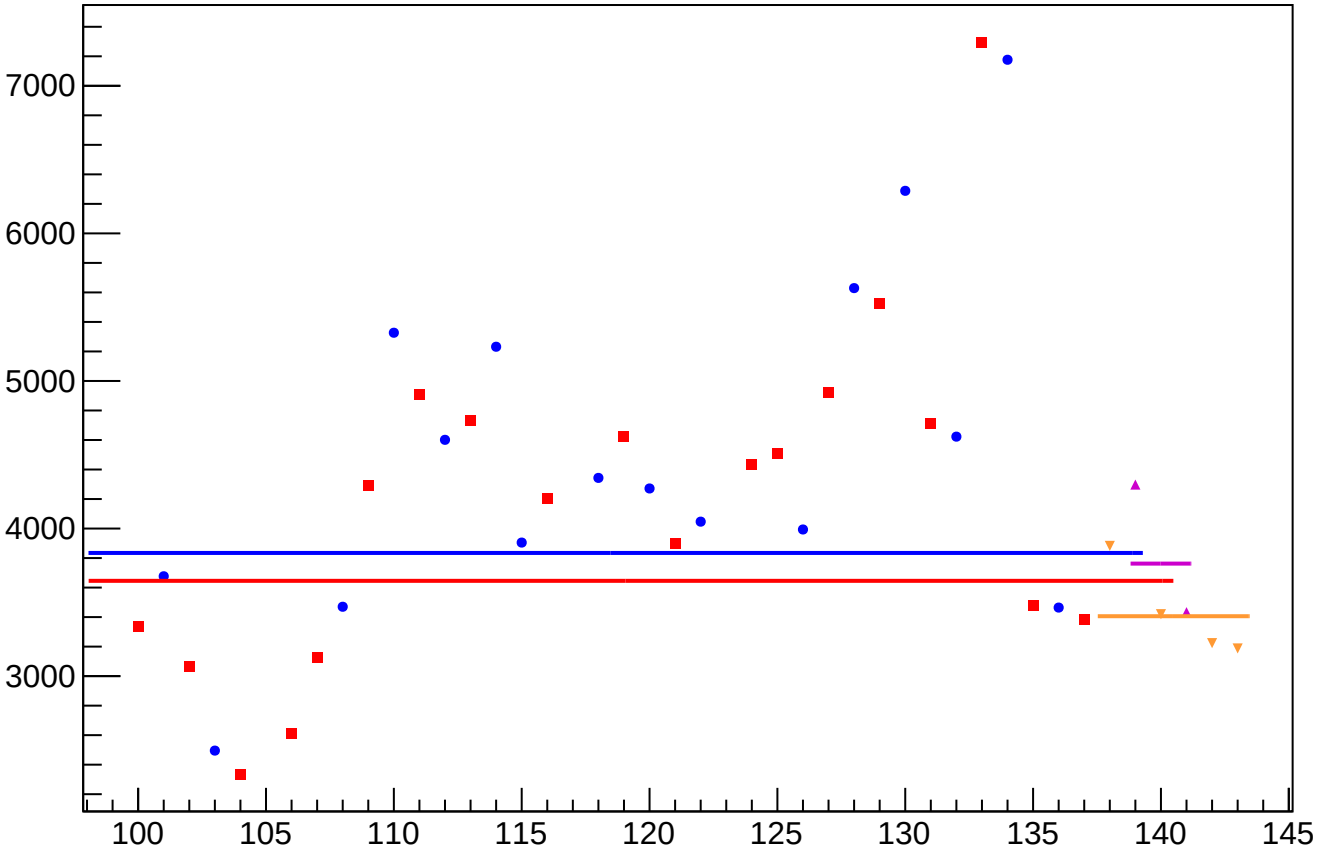
Left In: -1761.616+/-2884.452 χ^2/NDF:0.0/1

+ sign -219.043+/-1194.336 χ^2/NDF: 16.0/19

All: -635.004+/-866.401 χ^2/NDF: 32.5/40

- sign -1097.043+/-1258.753 χ^2/NDF: 16.2/20

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3405.935+/-1.431 χ^2/NDF:33446.3/3

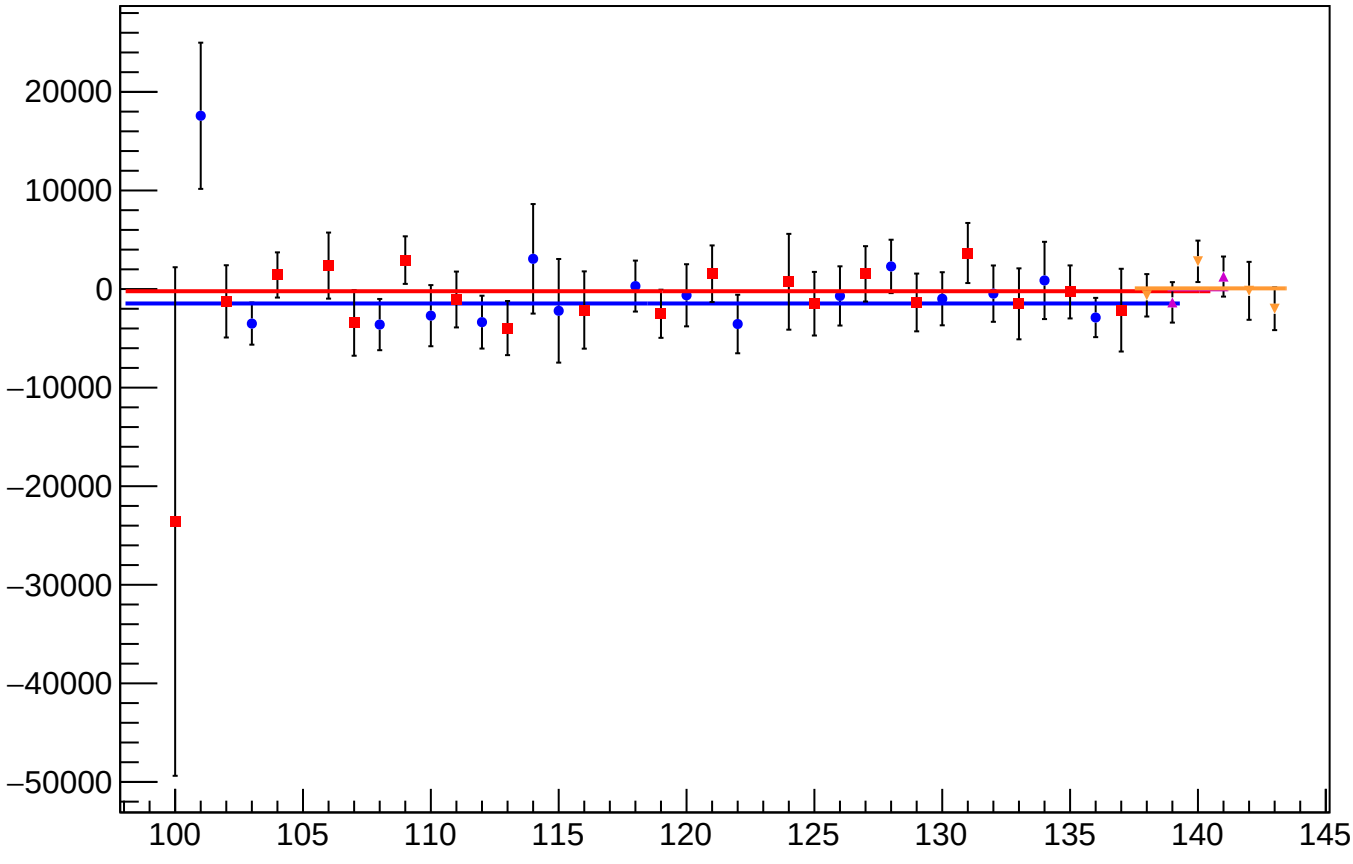
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3762.420+/-2.040 χ^2/NDF:42339.6/1

+ sign 3685.362+/-0.845 χ^2/NDF: 1048262.4/19

All: 3677.099+/-0.613 χ^2/NDF: 2218437.2/40

- sign 3667.919+/-0.890 χ^2/NDF: 1169972.7/20



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 69.315+/-1138.949 χ^2/NDF:2.7/3

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

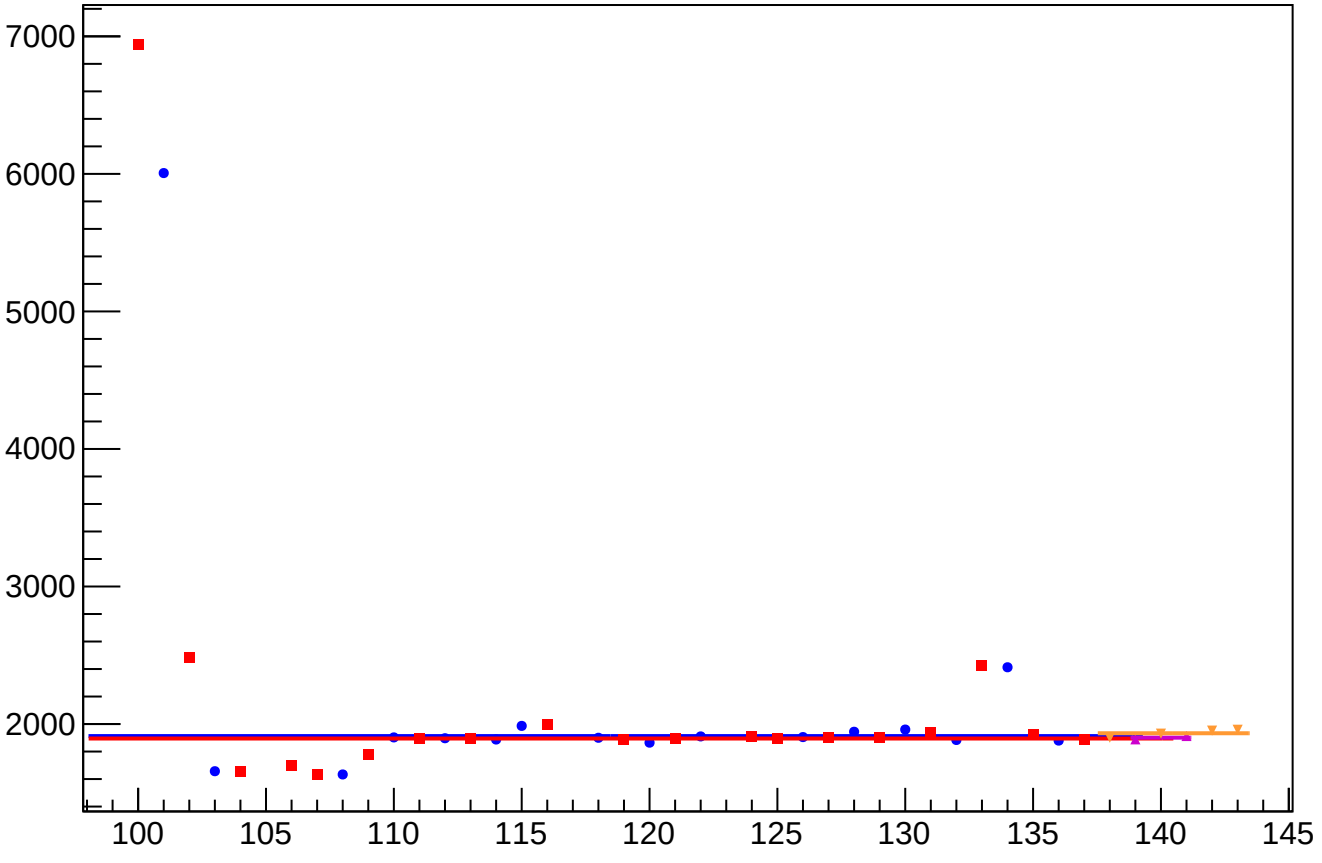
Left In: -29.598+/-1444.584 χ^2/NDF:0.8/1

+ sign -1018.053+/-613.564 χ^2/NDF: 17.6/19

All: -615.673+/-441.697 χ^2/NDF: 30.1/40

- sign -182.830+/-636.367 χ^2/NDF: 11.6/20

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1933.006+/-0.805 χ^2/NDF:819.6/3

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

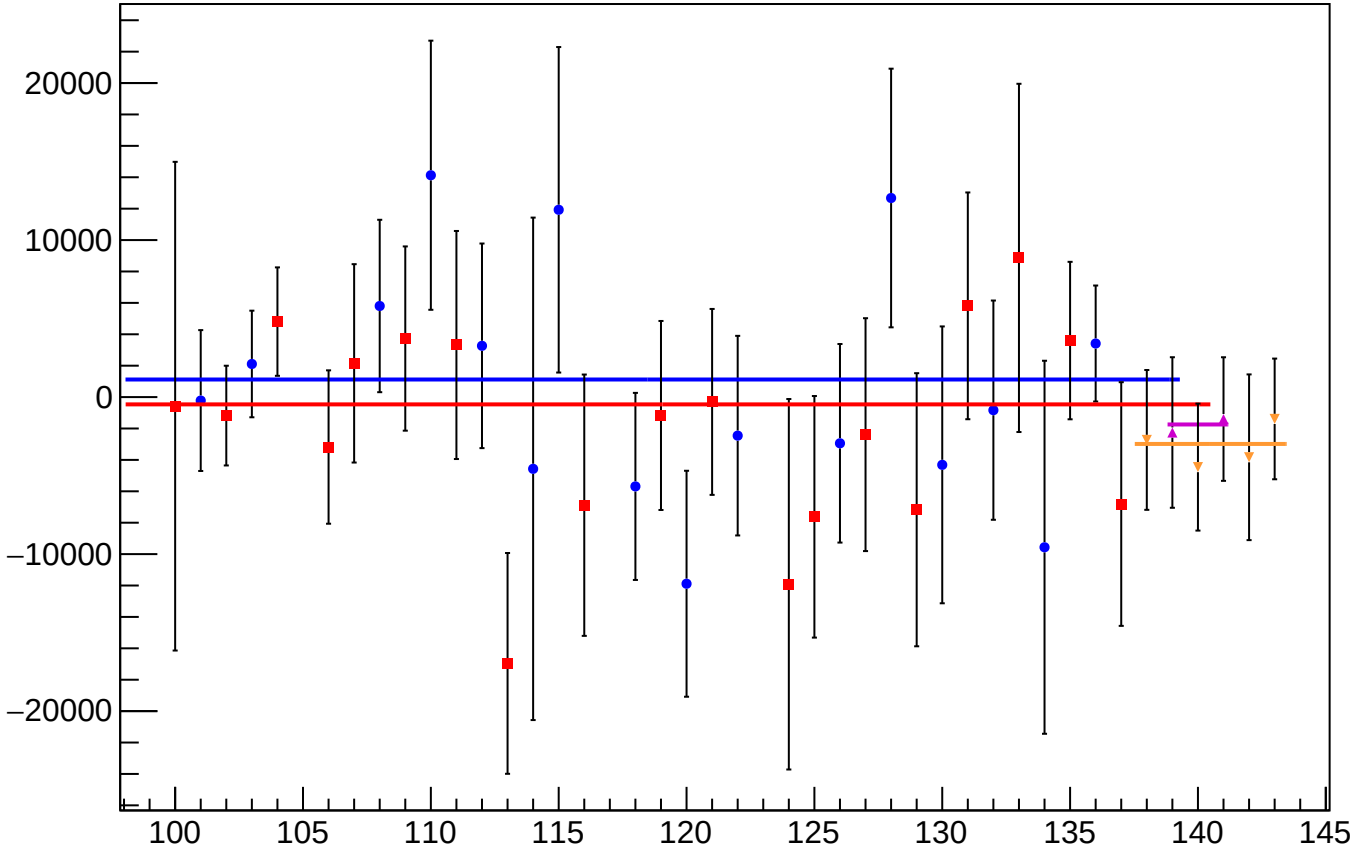
Left In: 1900.960+/-1.021 χ^2/NDF:140.9/1

+ sign 1918.365+/-0.434 χ^2/NDF: 697505.5/19

All: 1907.564+/-0.312 χ^2/NDF: 918742.8/40

- sign 1895.965+/-0.450 χ^2/NDF: 219952.0/20

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2983.883+/-2155.319 χ^2/NDF:0.3/3

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

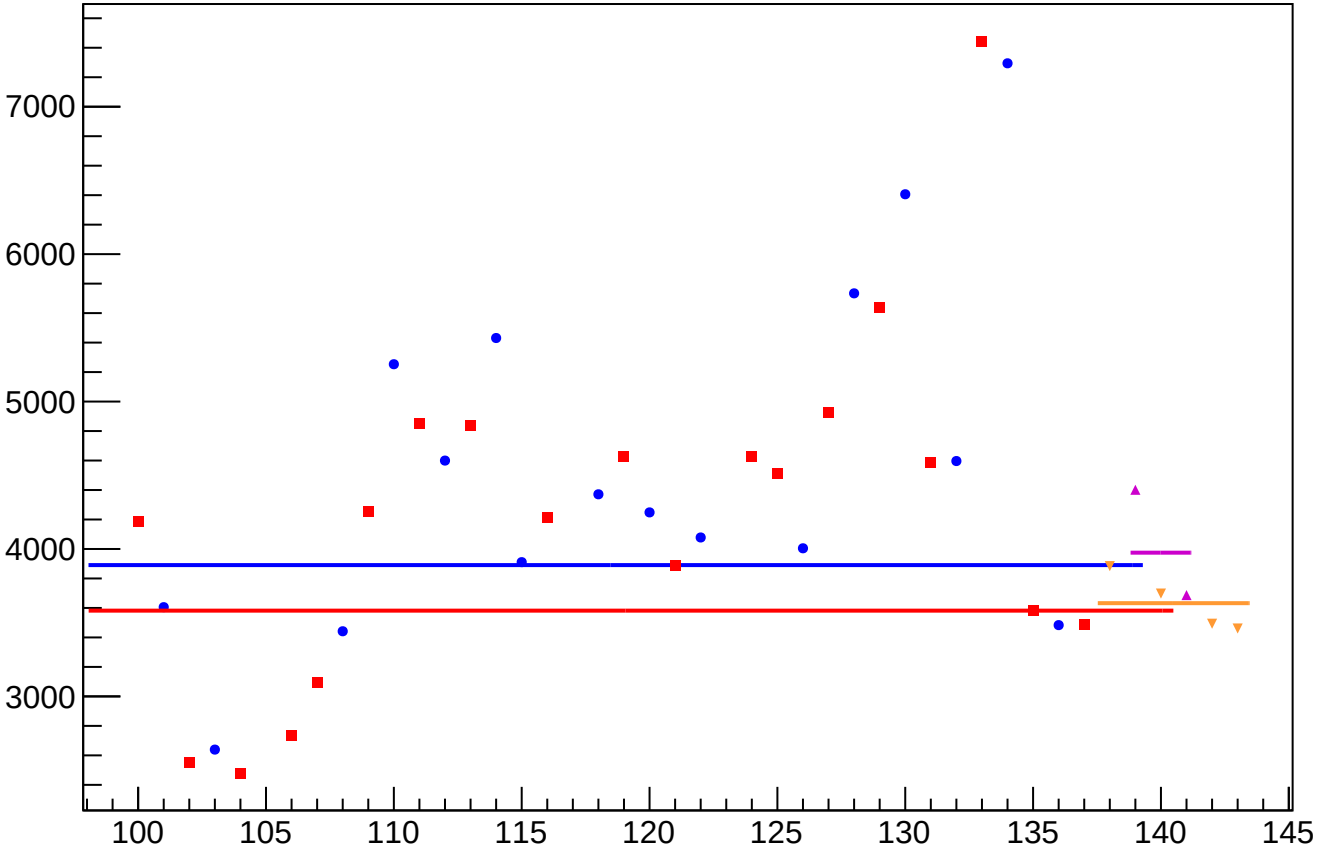
Left In: -1743.623+/-3041.882 χ^2/NDF:0.0/1

+ sign -216.196+/-1229.895 χ^2/NDF: 16.2/19

All: -444.532+/-876.611 χ^2/NDF: 31.5/40

- sign -680.309+/-1249.775 χ^2/NDF: 15.2/20

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3632.464+/-1.524 χ^2/NDF:12278.8/3

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

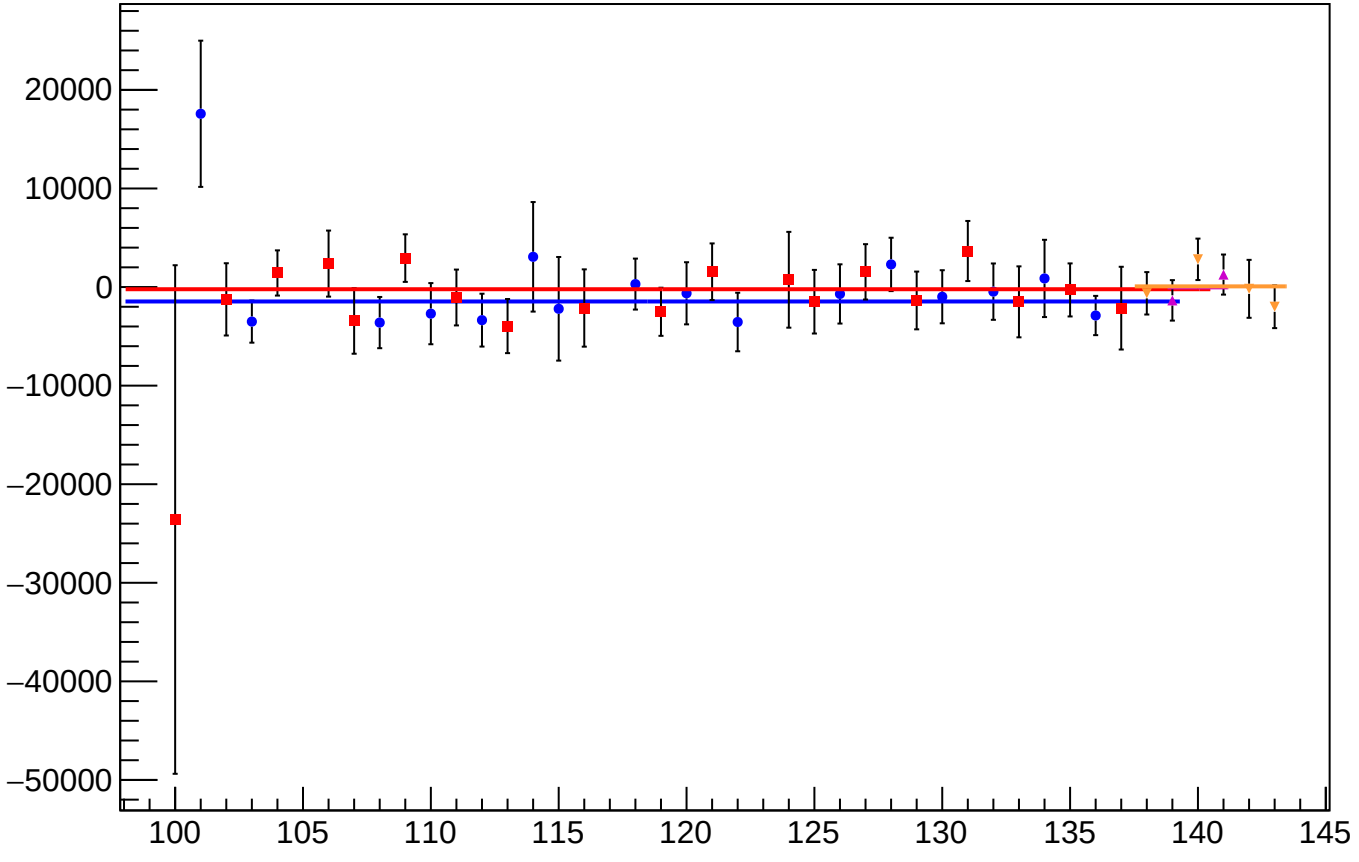
Left In: 3974.975+/-2.151 χ^2/NDF:26532.6/1

+ sign 3806.618+/-0.870 χ^2/NDF: 910060.0/19

All: 3728.656+/-0.620 χ^2/NDF: 2202558.3/40

- sign 3648.153+/-0.884 χ^2/NDF: 1276163.5/20

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 69.316+/-1138.950 χ^2/NDF:2.7/3

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

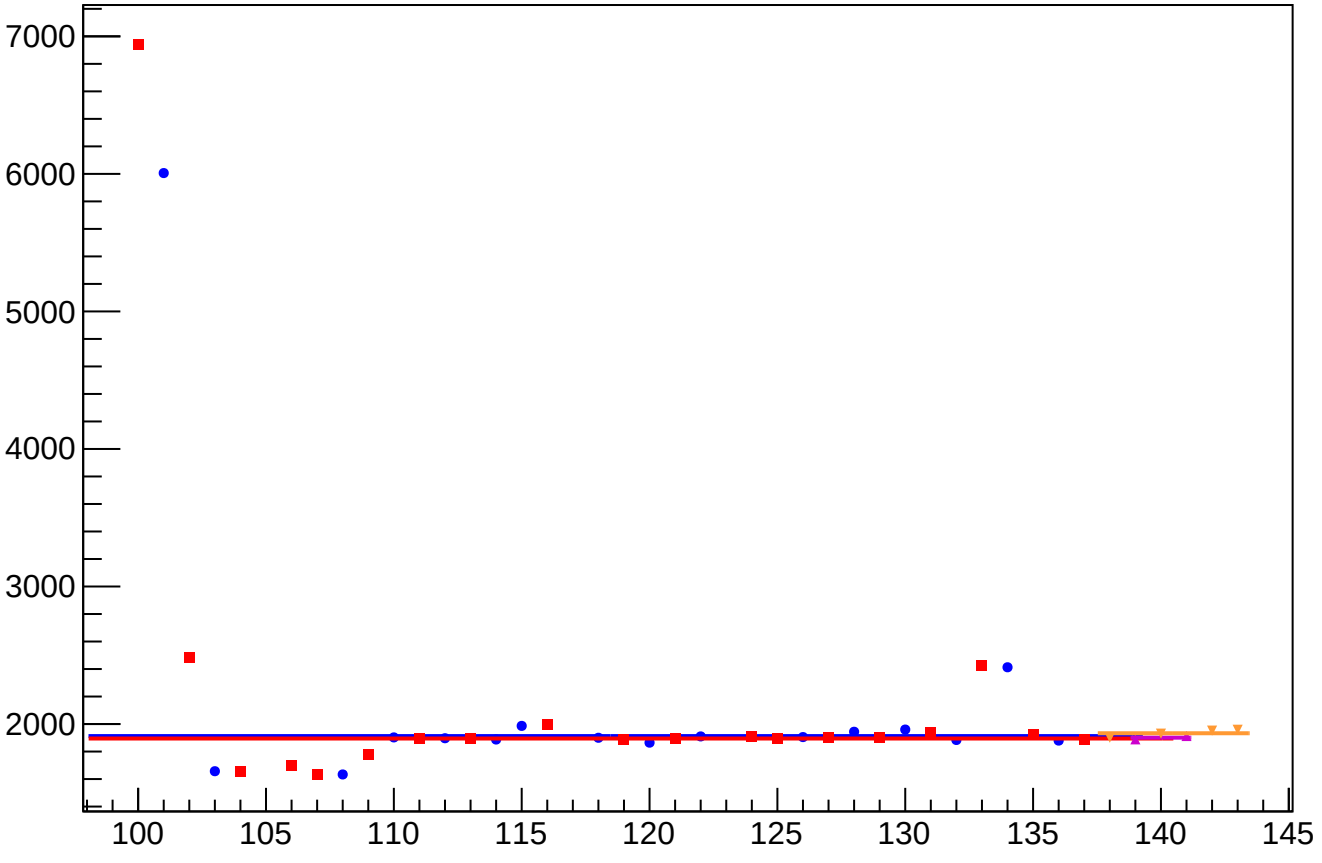
Left In: -29.615+/-1444.584 χ^2/NDF:0.8/1

+ sign -1018.056+/-613.564 χ^2/NDF: 17.6/19

All: -615.675+/-441.697 χ^2/NDF: 30.1/40

- sign -182.829+/-636.367 χ^2/NDF: 11.6/20

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1933.007+/-0.805 χ^2/NDF:819.7/3

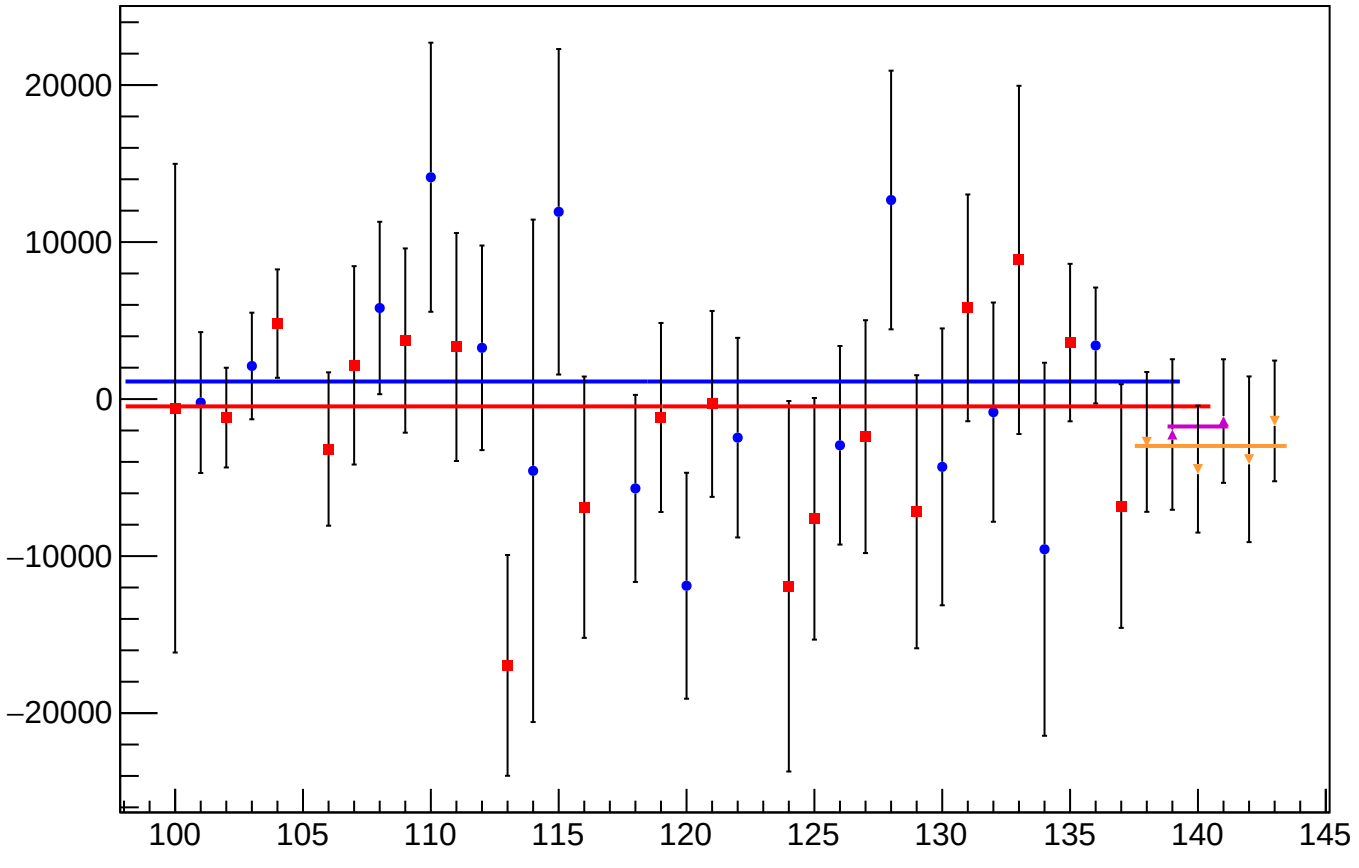
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1900.961+/-1.021 χ^2/NDF:140.8/1

+ sign 1918.365+/-0.434 χ^2/NDF: 697505.5/19

All: 1907.564+/-0.312 χ^2/NDF: 918742.7/40

- sign 1895.965+/-0.450 χ^2/NDF: 219952.0/20



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2983.886+/-2155.322 χ^2/NDF:0.3/3

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

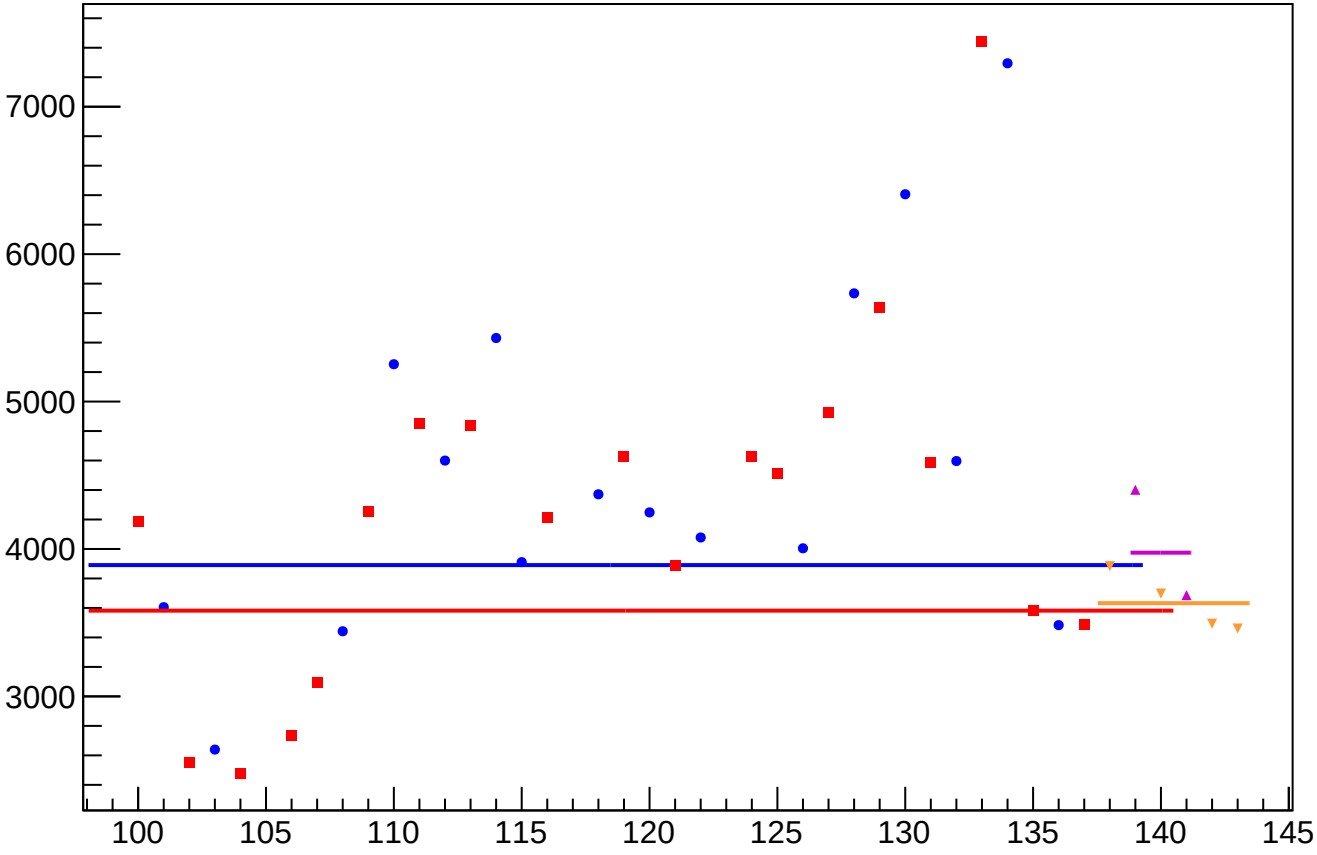
Left In: -1743.640+/-3041.884 χ^2/NDF:0.0/1

+ sign -216.202+/-1229.895 χ^2/NDF: 16.2/19

All: -444.536+/-876.611 χ^2/NDF: 31.5/40

- sign -680.311+/-1249.774 χ^2/NDF: 15.2/20

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3632.468+/-1.524 χ^2/NDF:12278.8/3

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

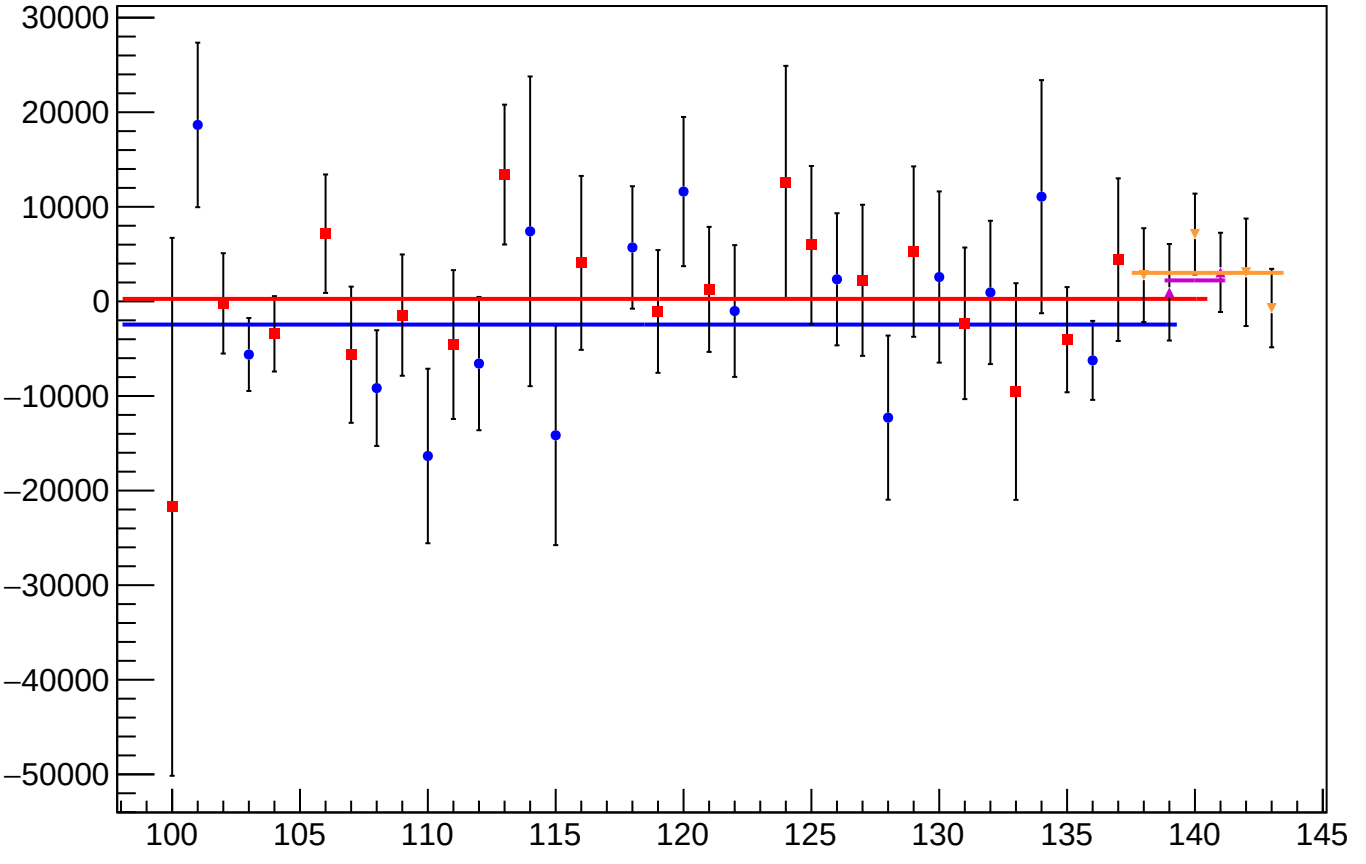
Left In: 3974.978+/-2.151 χ^2/NDF:26533.5/1

+ sign 3806.618+/-0.870 χ^2/NDF: 910050.0/19

All: 3728.654+/-0.620 χ^2/NDF: 2202541.8/40

- sign 3648.150+/-0.884 χ^2/NDF: 1276156.6/20

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3018.718+/-2327.768 χ^2/NDF:1.7/3

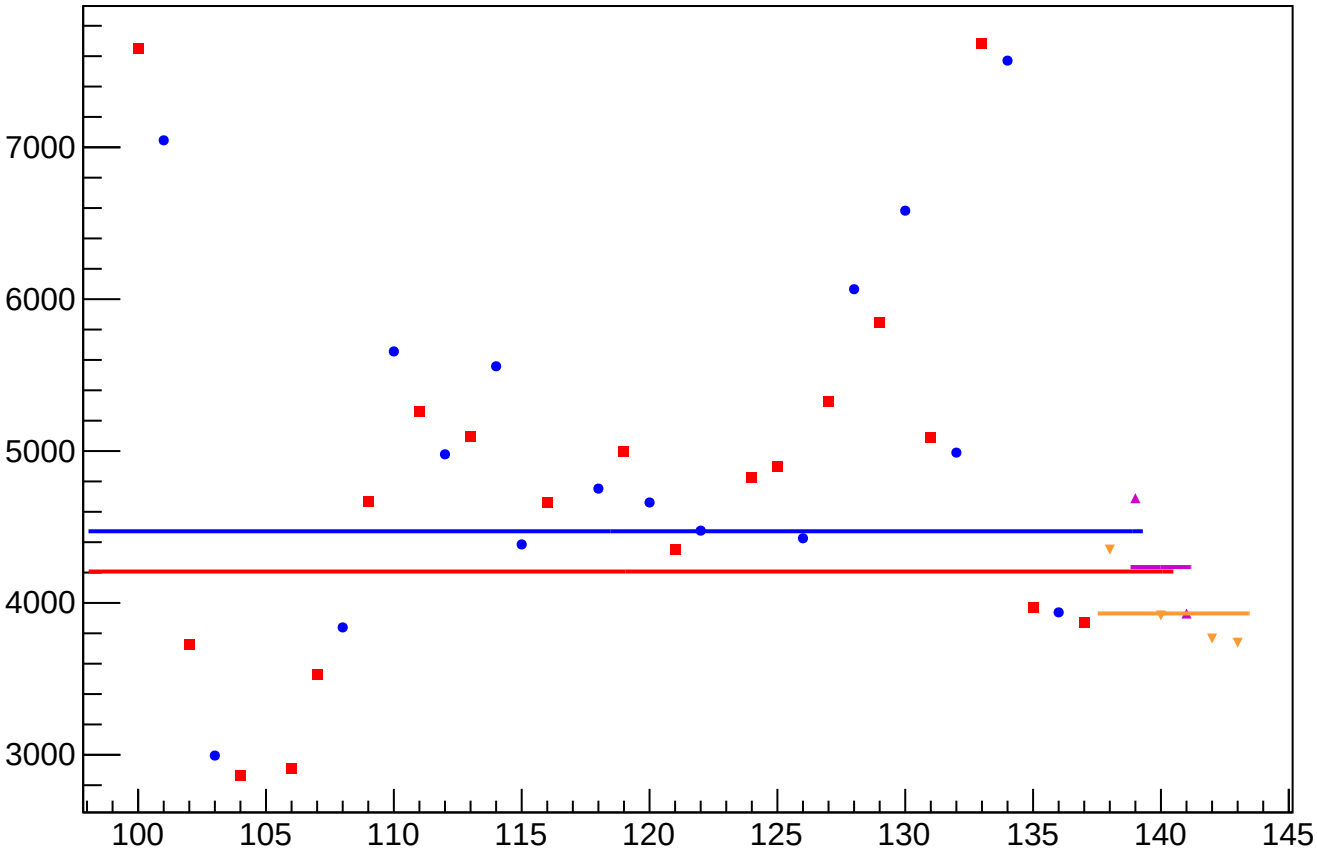
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 2221.307+/-3236.870 χ^2/NDF:0.1/1

\+ sign -517.980+/-1383.173 χ^2/NDF: 26.2/19

All: 42.344+/-1001.017 χ^2/NDF: 37.6/40

\- sign 658.571+/-1450.532 χ^2/NDF: 11.1/20



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3930.752+/-1.646 χ^2/NDF:20398.4/3

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

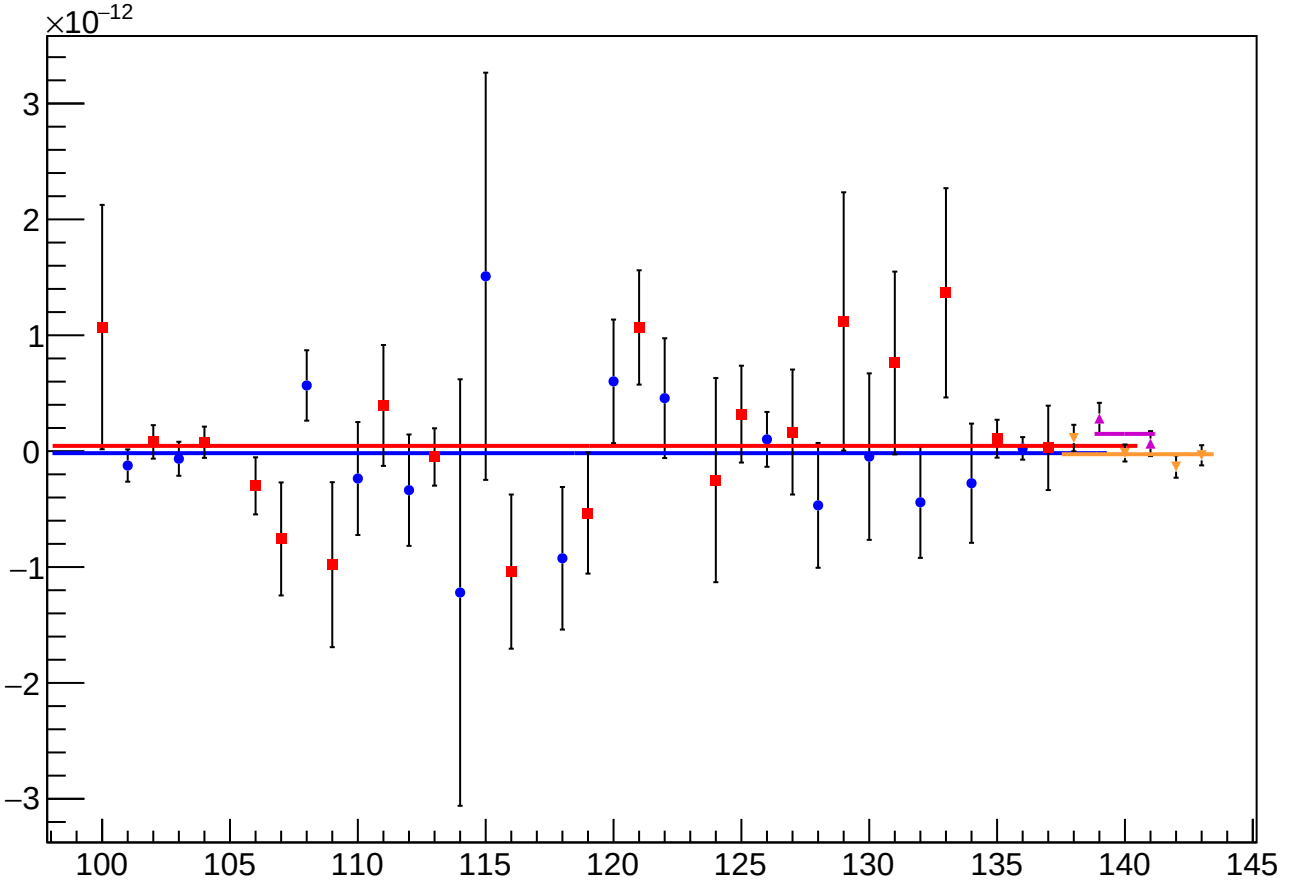
Left In: 4236.270+/-2.289 χ^2/NDF:26470.1/1

+ sign 4280.834+/-0.978 χ^2/NDF: 982002.9/19

All: 4248.176+/-0.706 χ^2/NDF: 1857455.5/40

- sign 4212.727+/-1.019 χ^2/NDF: 873127.3/20

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:2.8/3

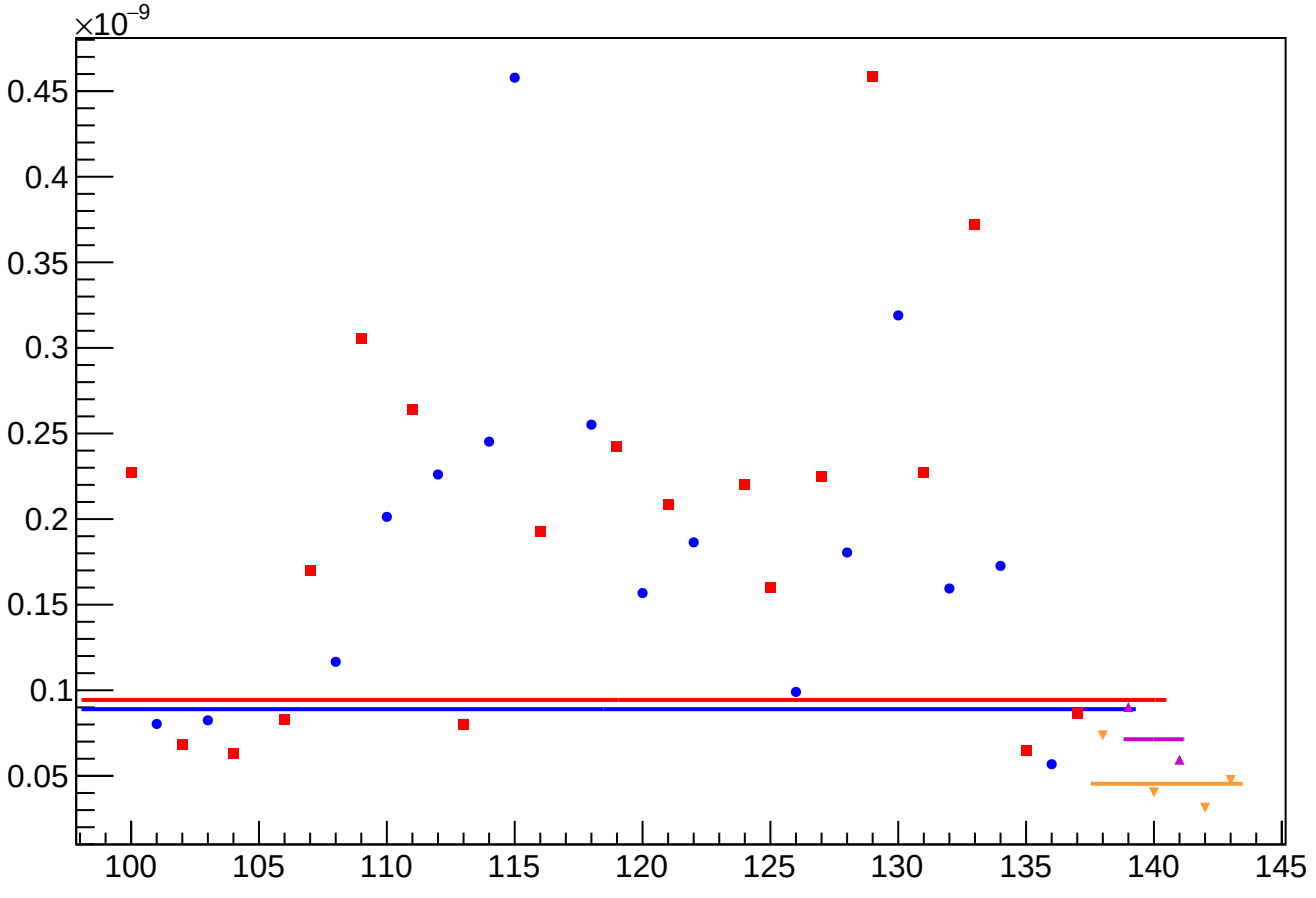
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/1

+ sign -0.000+/-0.000 χ^2/NDF: 15.5/19

All: 0.000+/-0.000 χ^2/NDF: 42.1/40

- sign 0.000+/-0.000 χ^2/NDF: 23.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:175277.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

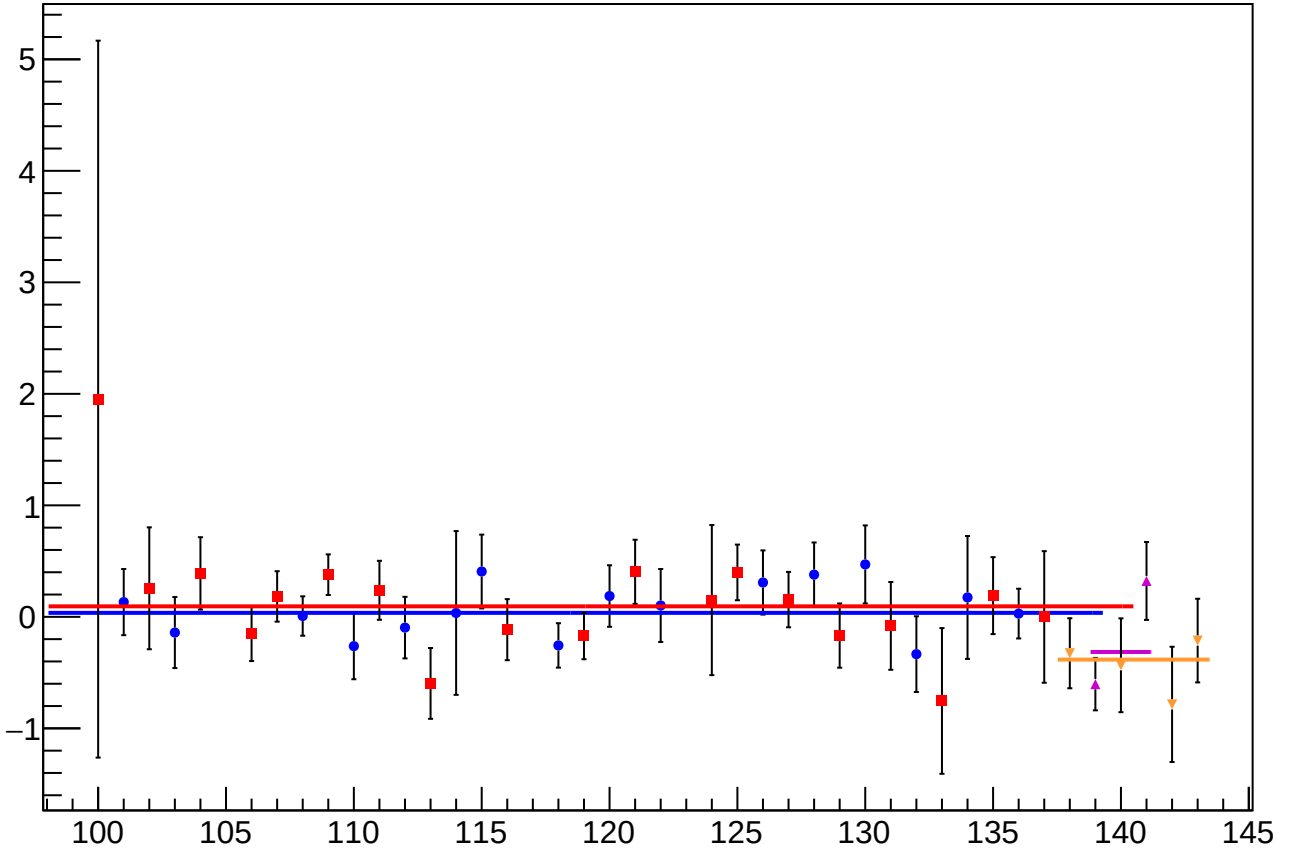
Left In: 0.000+/-0.000 χ^2/NDF:63307.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 2063721.2/19

All: 0.000+/-0.000 χ^2/NDF: 4213315.1/40

- sign 0.000+/-0.000 χ^2/NDF: 1848114.8/20

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

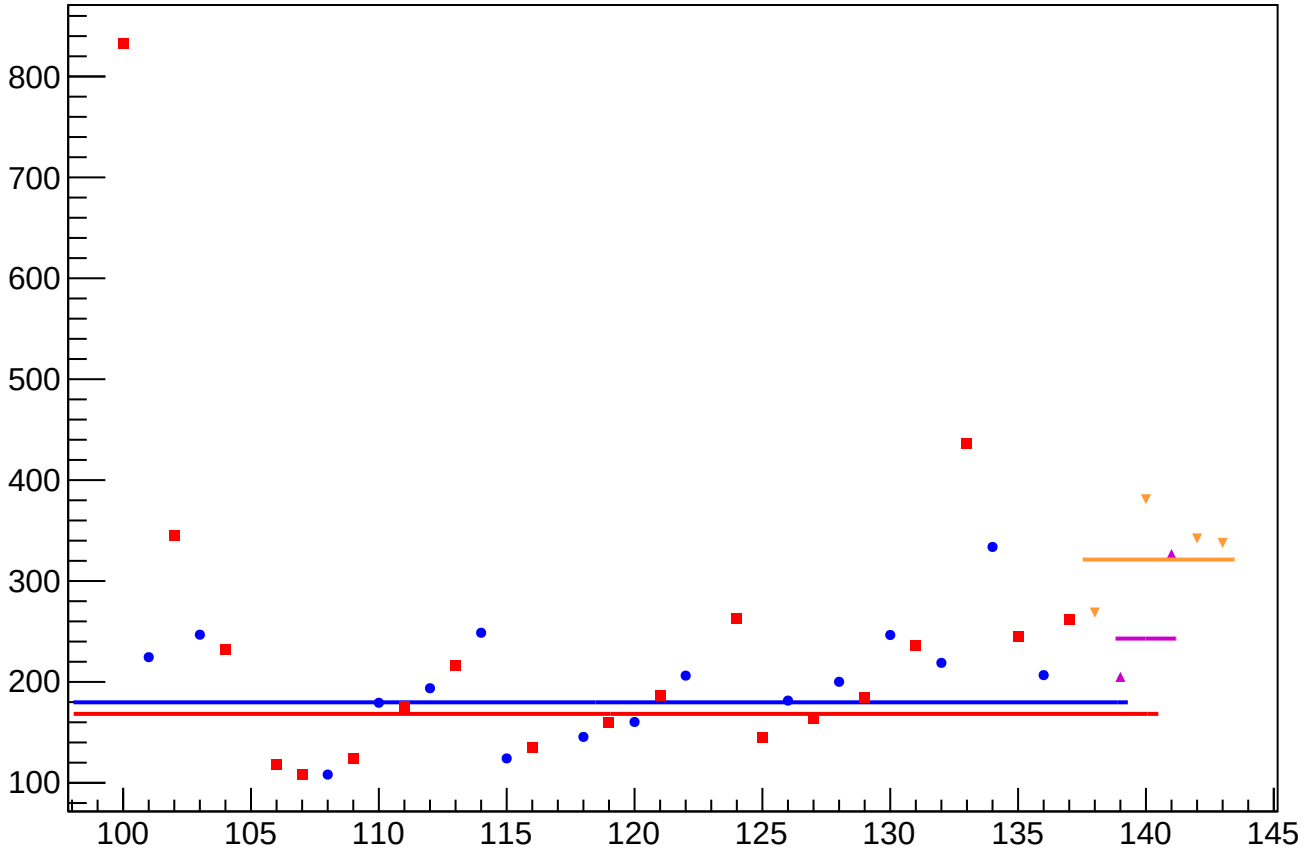
Left In: -0.315+/-0.195 χ^2/NDF:4.8/1

+ sign -0.013+/-0.066 χ^2/NDF: 15.5/19

All: 0.020+/-0.046 χ^2/NDF: 42.4/40

- sign 0.050+/-0.064 χ^2/NDF: 26.4/20

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 321.267+/-0.137 χ^2/NDF:103331.1/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

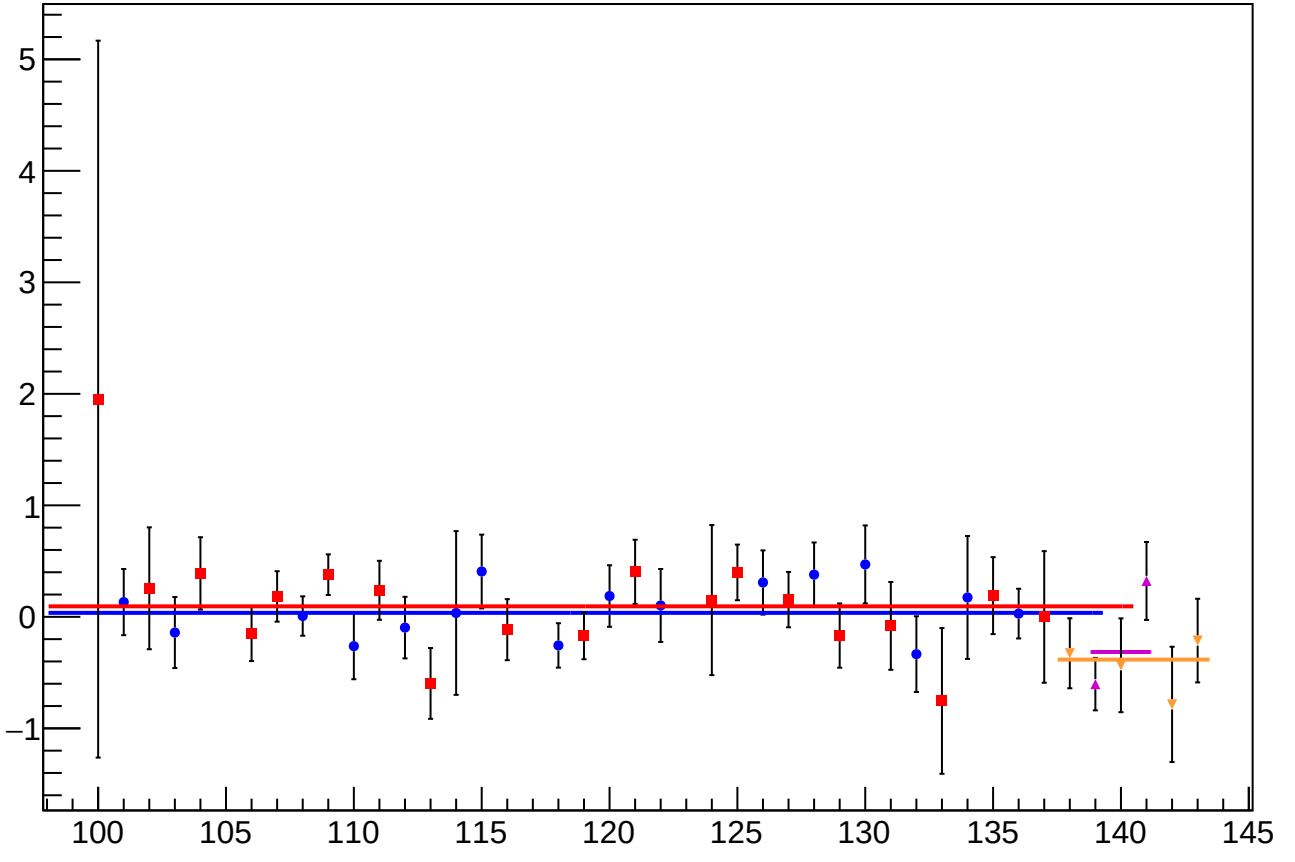
Left In: 242.956+/-0.138 χ^2/NDF:167259.3/1

+ sign 196.370+/-0.047 χ^2/NDF: 1963292.1/19

All: 185.986+/-0.033 χ^2/NDF: 3895743.3/40

- sign 176.343+/-0.045 χ^2/NDF: 1837870.4/20

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: -0.383+/-0.194 χ^2/NDF:0.9/3

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

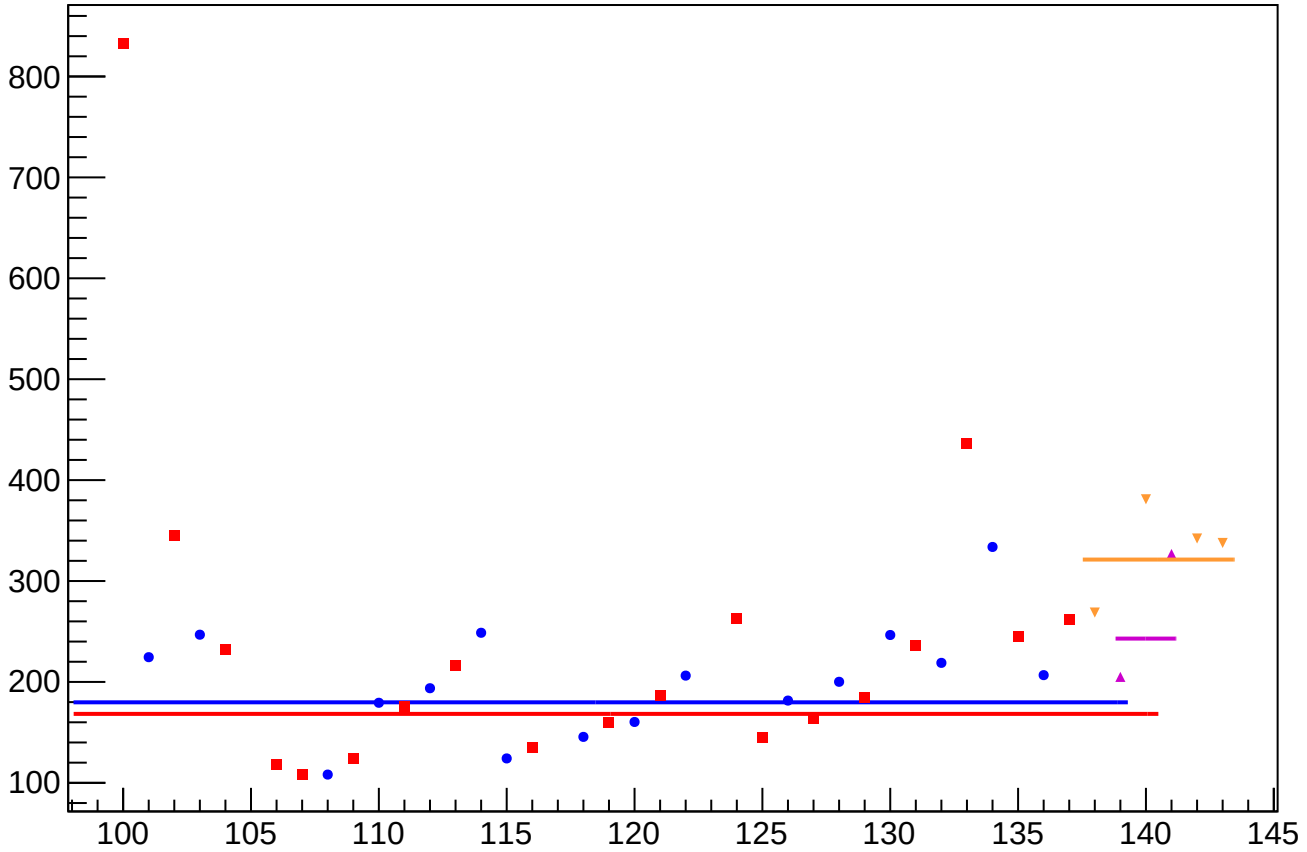
Left In: -0.315+/-0.195 χ^2/NDF:4.8/1

+ sign -0.013+/-0.066 χ^2/NDF: 15.5/19

All: 0.020+/-0.046 χ^2/NDF: 42.4/40

- sign 0.050+/-0.064 χ^2/NDF: 26.4/20

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: 321.267+/-0.137 χ^2/NDF:103331.1/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

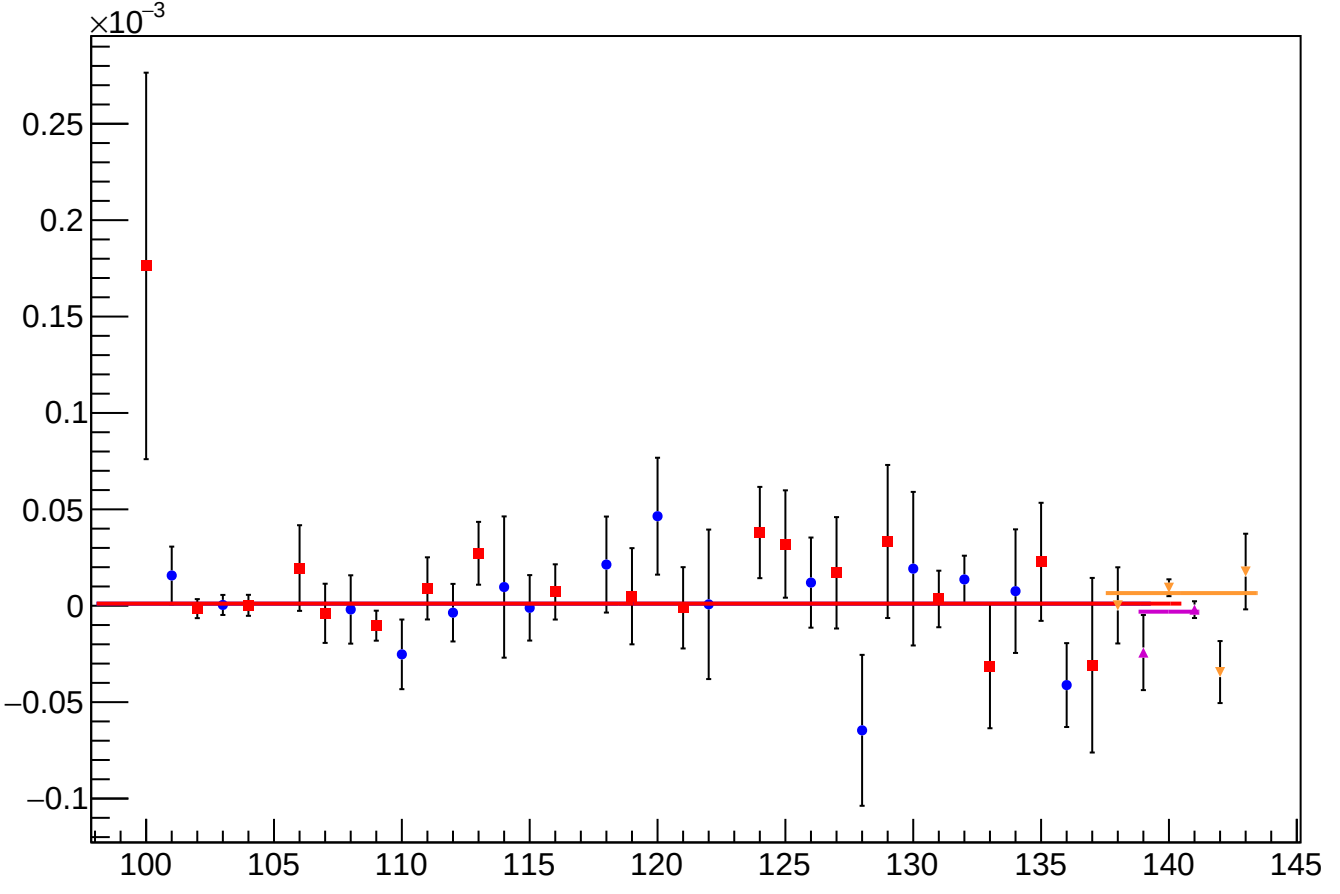
Left In: 242.956+/-0.138 χ^2/NDF:167259.3/1

+ sign 196.370+/-0.047 χ^2/NDF: 1963292.1/19

All: 185.986+/-0.033 χ^2/NDF: 3895743.3/40

- sign 176.343+/-0.045 χ^2/NDF: 1837870.4/20

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

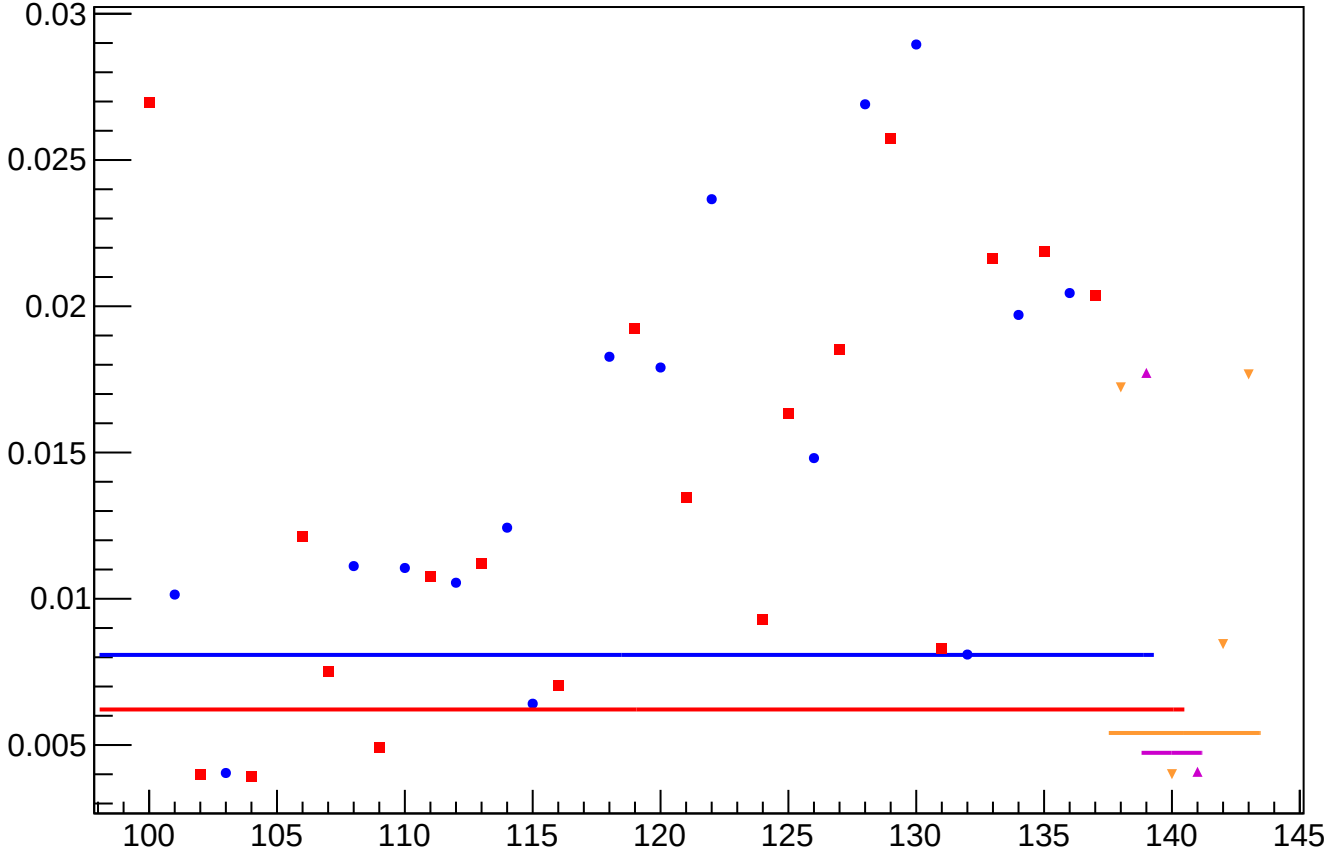
Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 22.6/19

All: 0.000+/-0.000 χ^2/NDF: 41.6/40

- sign -0.000+/-0.000 χ^2/NDF: 17.9/20

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: 0.005+/-0.000 χ^2/NDF:1775955.9/3

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

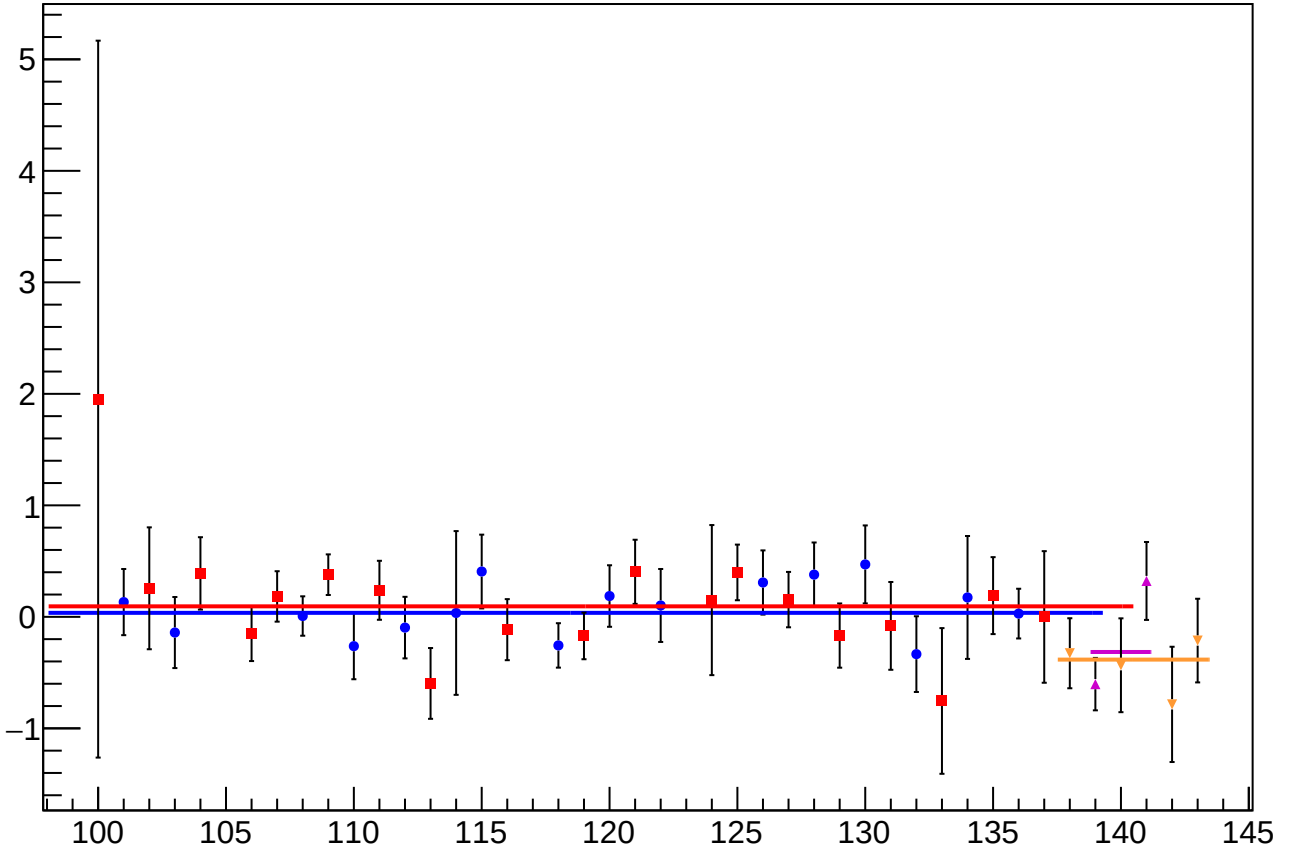
Left In: 0.005+/-0.000 χ^2/NDF:933943.9/1

+ sign 0.007+/-0.000 χ^2/NDF: 6663392.0/19

All: 0.006+/-0.000 χ^2/NDF: 12512159.2/40

- sign 0.006+/-0.000 χ^2/NDF: 5664094.8/20

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: -0.383+/-0.194 χ^2/NDF:0.9/3

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

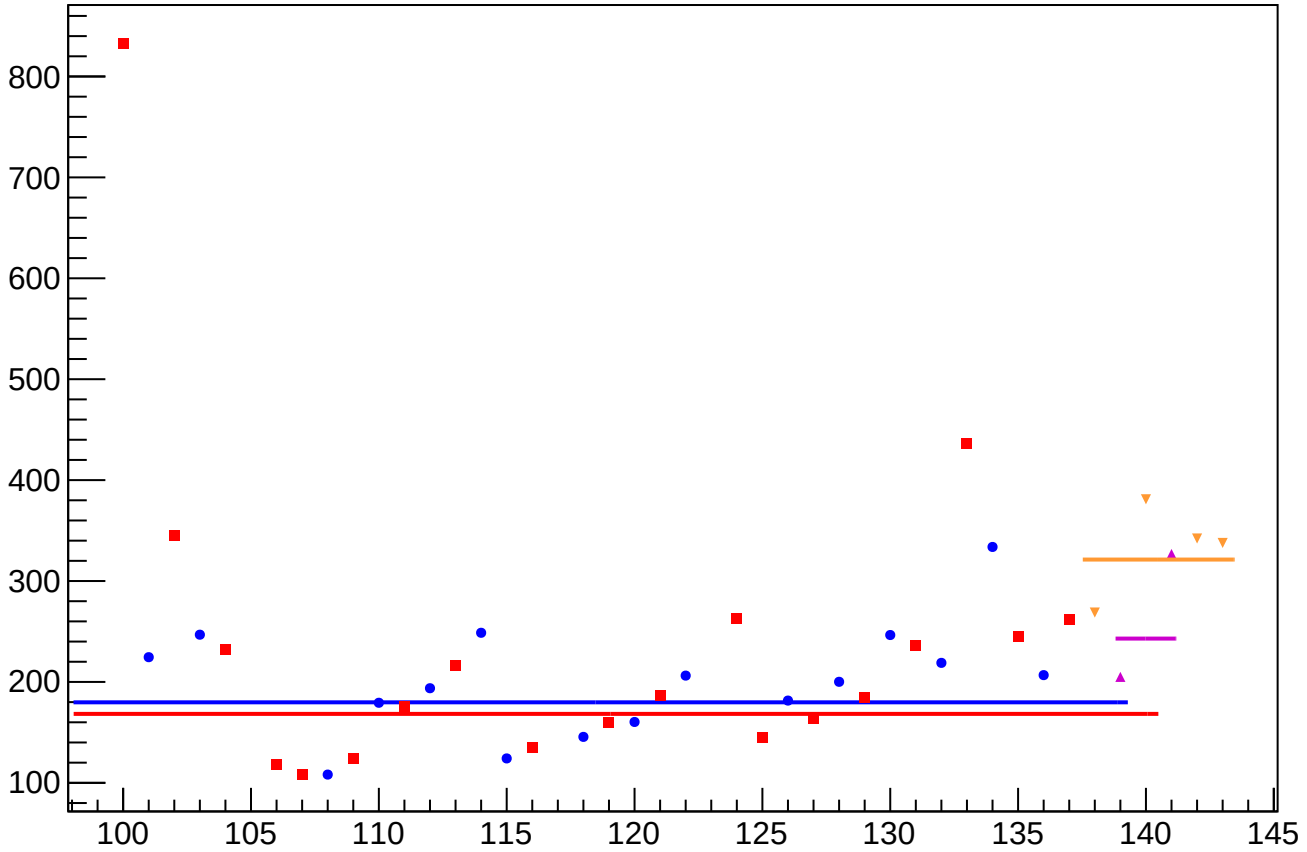
Left In: -0.315+/-0.195 χ^2/NDF:4.8/1

+ sign -0.013+/-0.066 χ^2/NDF: 15.5/19

All: 0.020+/-0.046 χ^2/NDF: 42.4/40

- sign 0.050+/-0.064 χ^2/NDF: 26.4/20

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: 321.272+/-0.137 χ^2/NDF:103321.2/3

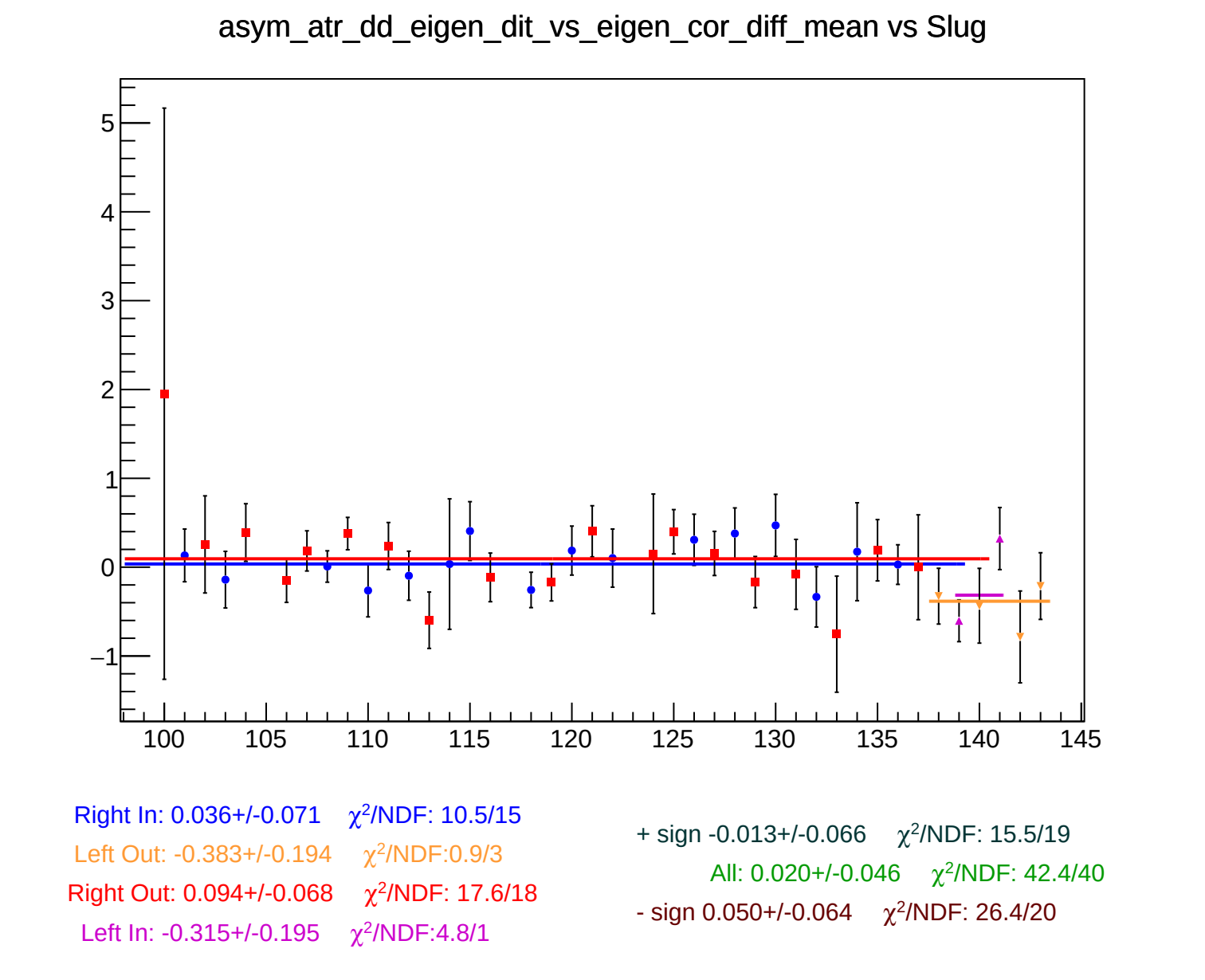
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

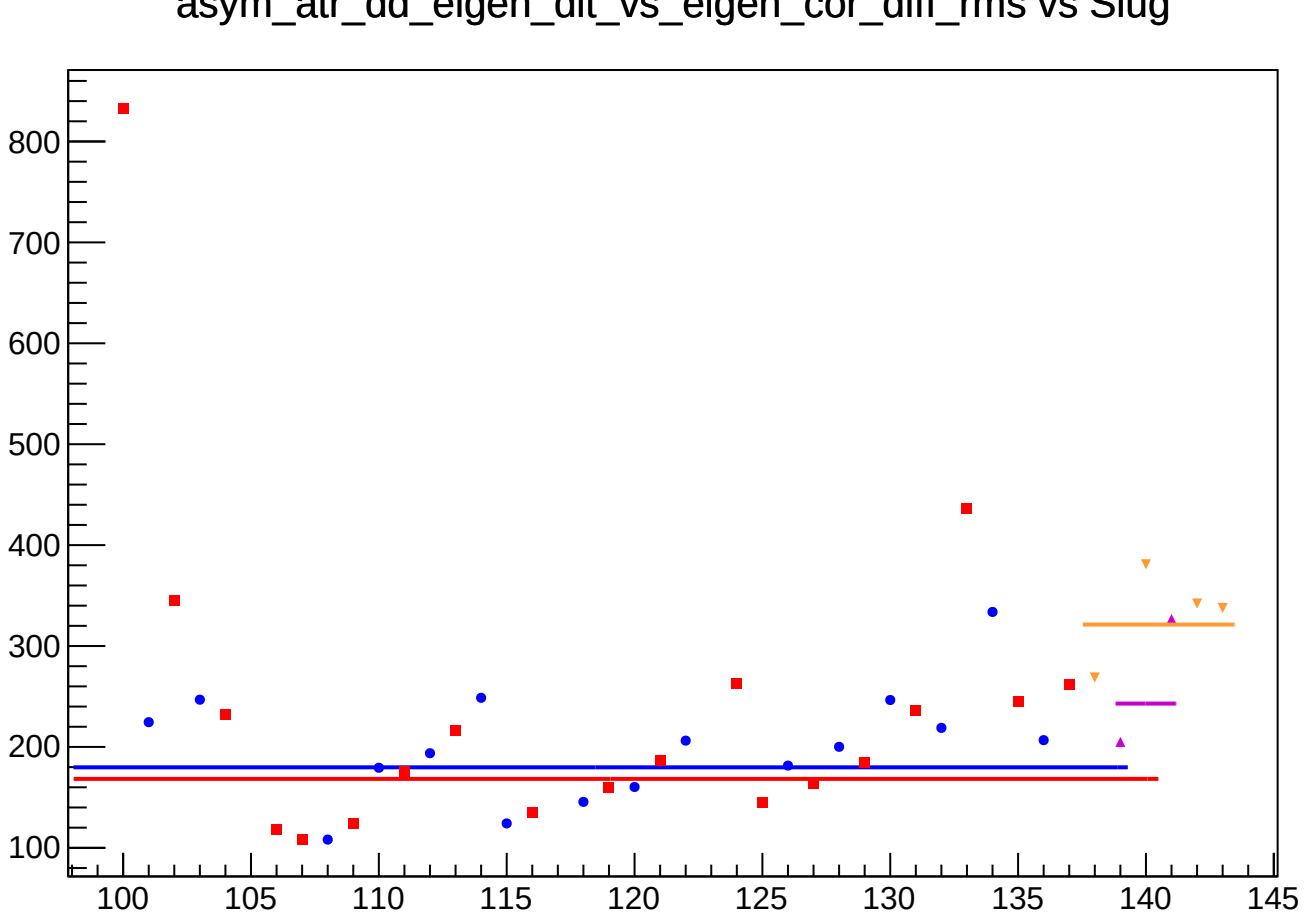
Left In: 242.959+/-0.138 χ^2/NDF:167244.4/1

+ sign 196.368+/-0.047 χ^2/NDF: 1963404.1/19

All: 185.985+/-0.033 χ^2/NDF: 3895834.5/40

- sign 176.343+/-0.045 χ^2/NDF: 1837872.5/20


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: -0.383+/-0.194 χ²/NDF:0.9/3
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.315+/-0.195 χ²/NDF:4.8/1
+ sign -0.013+/-0.066 χ²/NDF: 15.5/19
All: 0.020+/-0.046 χ²/NDF: 42.4/40
- sign 0.050+/-0.064 χ²/NDF: 26.4/20



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 321.272+/-0.137 χ^2/NDF:103321.2/3

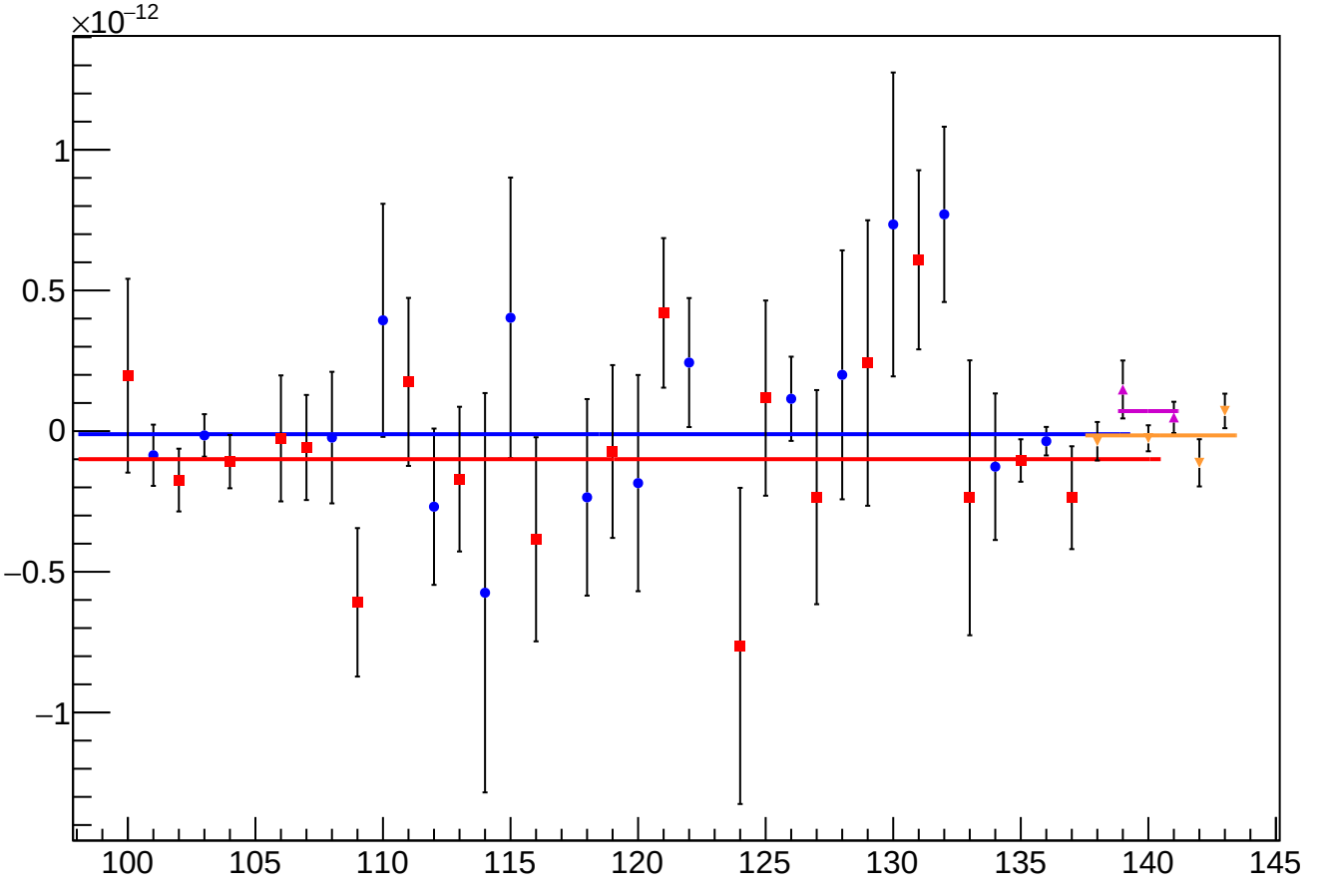
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 242.959+/-0.138 χ^2/NDF:167244.4/1

+ sign 196.368+/-0.047 χ^2/NDF: 1963404.1/19

All: 185.985+/-0.033 χ^2/NDF: 3895834.5/40

- sign 176.343+/-0.045 χ^2/NDF: 1837872.5/20



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

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

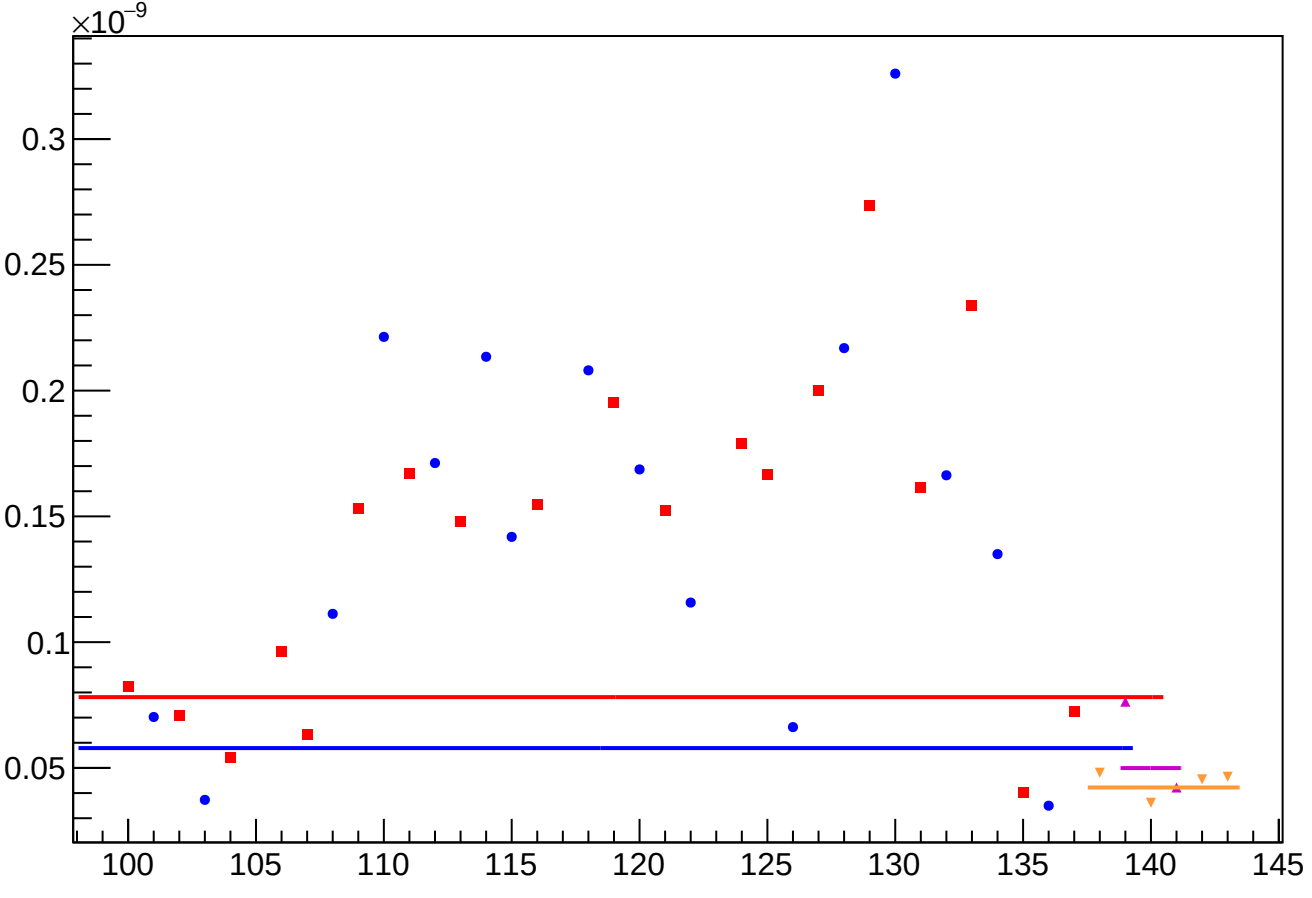
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.5/19

All: -0.000+/-0.000 χ^2/NDF: 44.8/40

- sign -0.000+/-0.000 χ^2/NDF: 26.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:61924.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

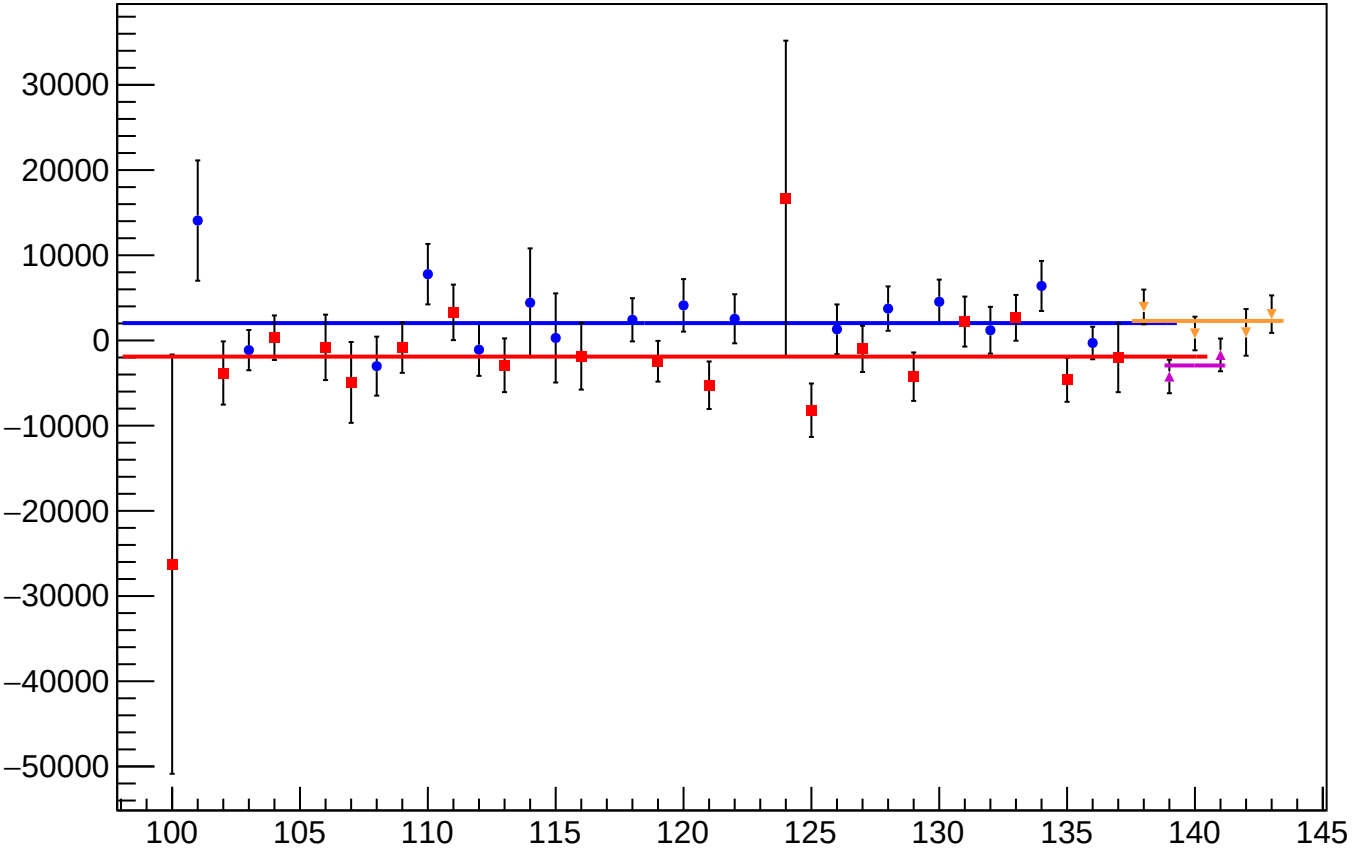
Left In: 0.000+/-0.000 χ^2/NDF:170056.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 3611936.2/19

All: 0.000+/-0.000 χ^2/NDF: 7281065.5/40

- sign 0.000+/-0.000 χ^2/NDF: 3283883.0/20

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.435+/-1092.202 χ^2/NDF:1.6/3

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

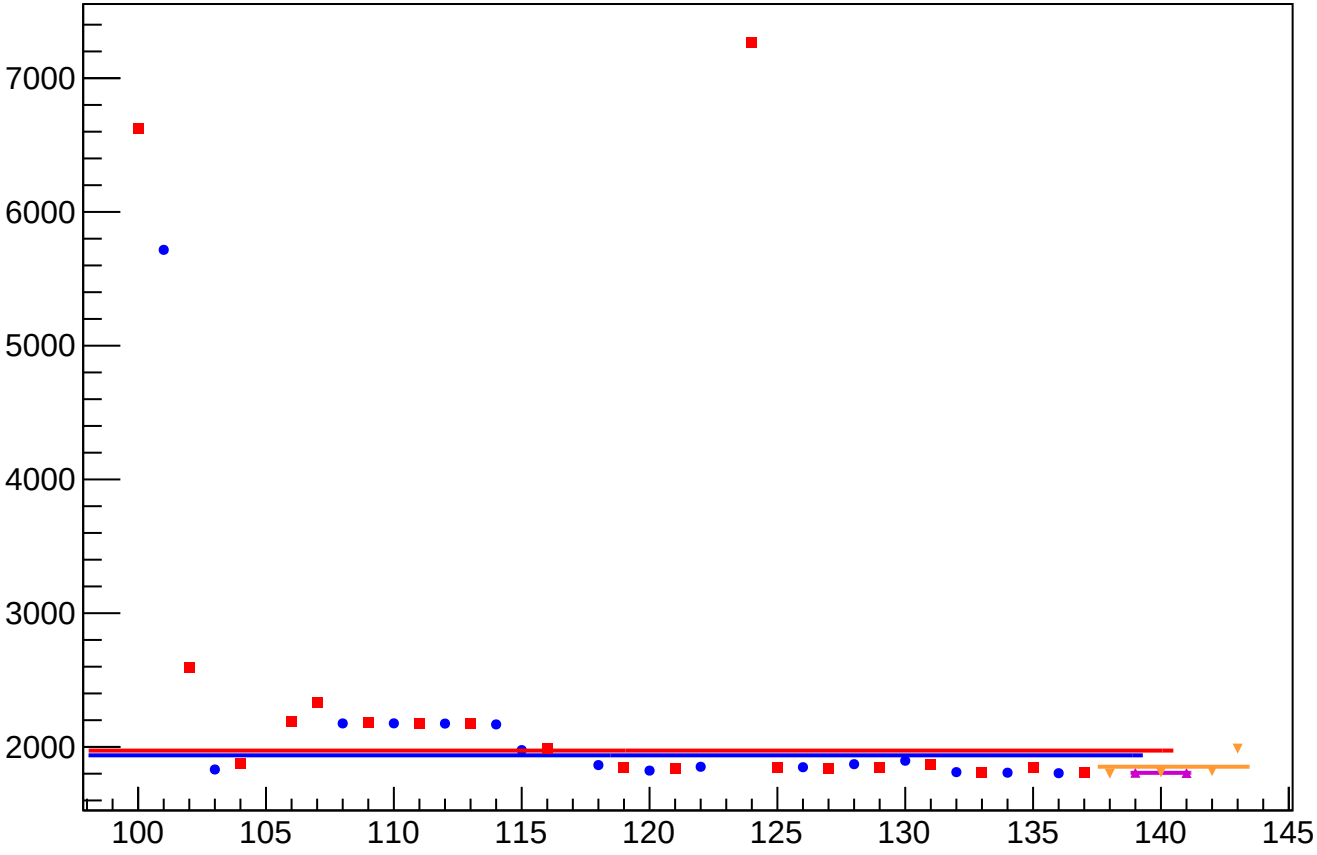
Left In: -2935.847+/-1372.779 χ^2/NDF:0.9/1

+ sign 2118.634+/-610.473 χ^2/NDF: 18.1/19

All: 125.695+/-444.723 χ^2/NDF: 60.6/40

- sign -2127.949+/-649.176 χ^2/NDF: 19.8/20

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

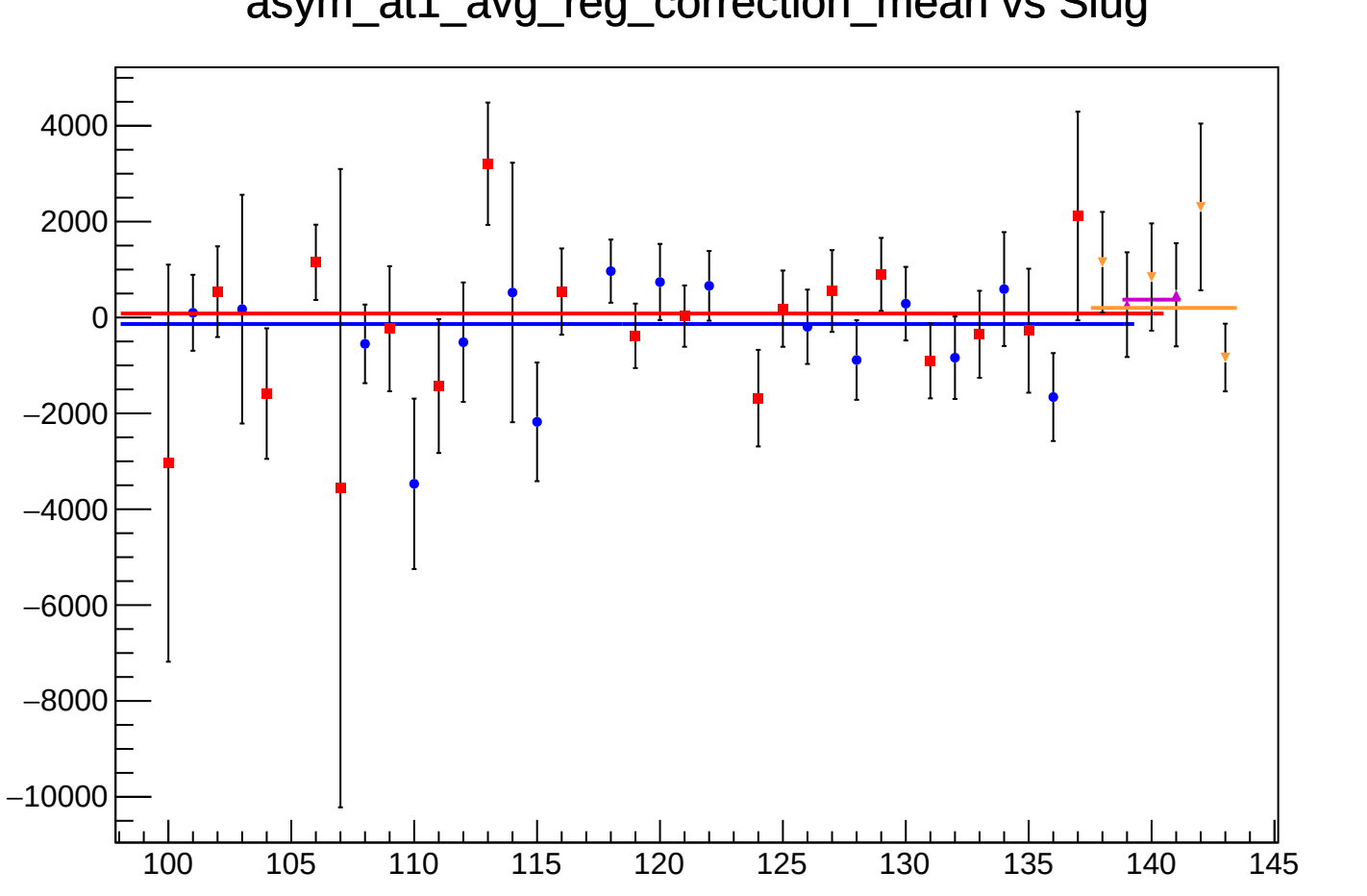
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1806.414+/-0.971 χ^2/NDF:0.7/1

+ sign 1910.706+/-0.432 χ^2/NDF: 656427.1/19

All: 1922.370+/-0.314 χ^2/NDF: 1058320.1/40

- sign 1935.561+/-0.459 χ^2/NDF: 400337.1/20



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 200.189+/-497.344 χ^2/NDF:4.8/3

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

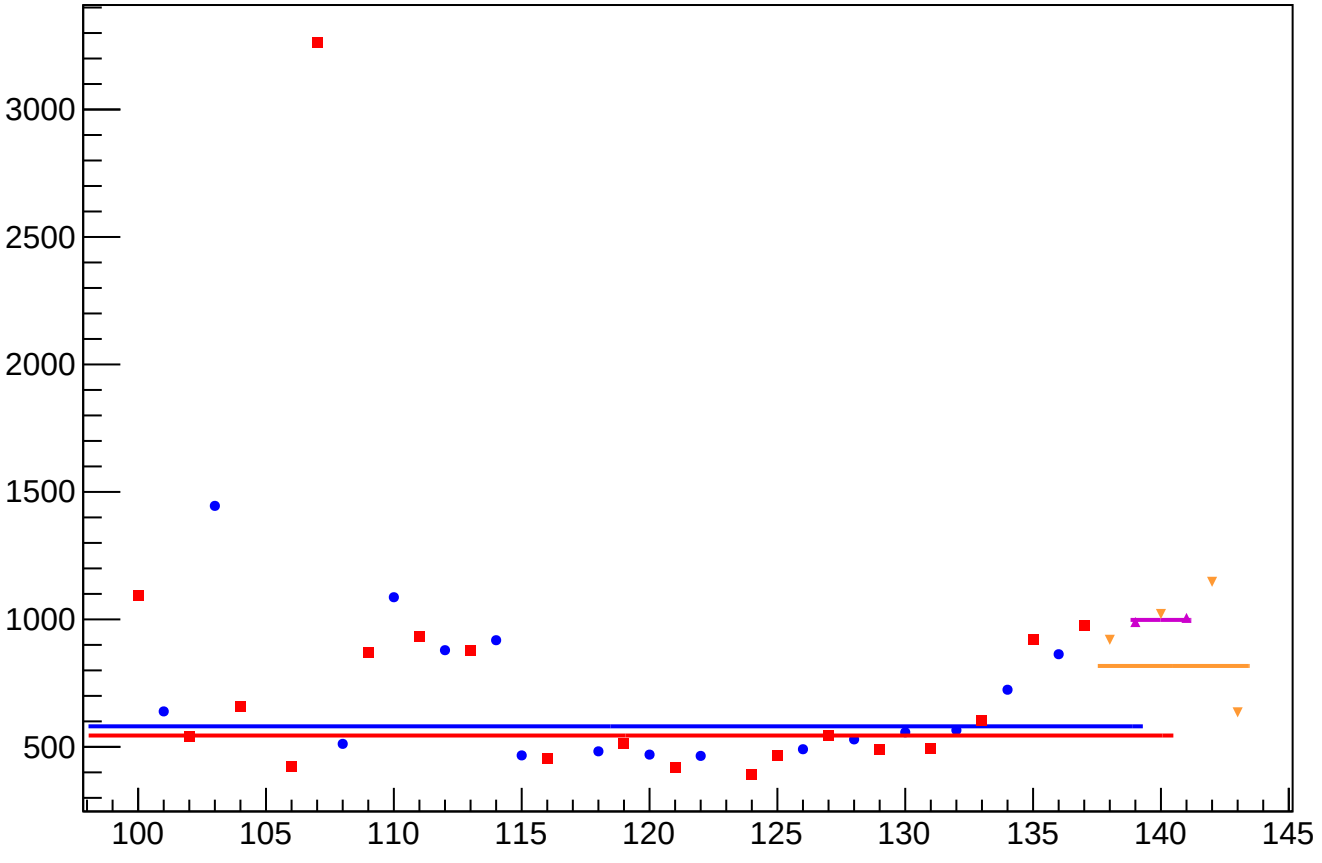
Left In: 372.310+/-766.313 χ^2/NDF:0.0/1

\+ sign -77.115+/-209.080 χ^2/NDF: 22.0/19

All: 12.024+/-149.294 χ^2/NDF: 42.3/40

\- sign 104.754+/-213.249 χ^2/NDF: 19.9/20

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 817.390+/-0.352 χ^2/NDF:290296.5/3

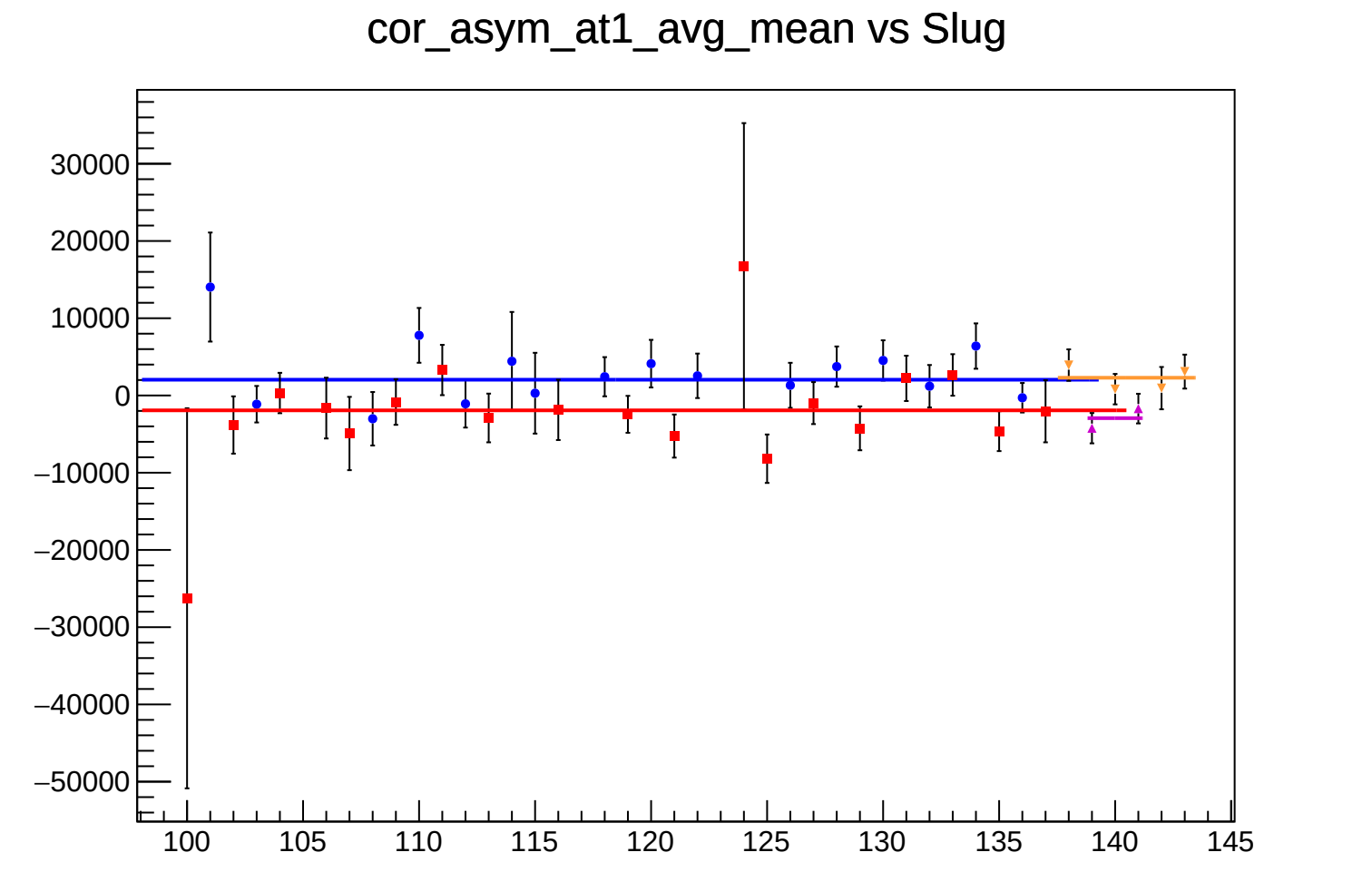
Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 998.003+/-0.542 χ^2/NDF:225.2/1

+ sign 622.457+/-0.148 χ^2/NDF: 1666912.2/19

All: 601.474+/-0.106 χ^2/NDF: 3641999.1/40

- sign 579.647+/-0.151 χ^2/NDF: 1933990.6/20



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.594+/-1092.202 χ^2/NDF:1.6/3

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

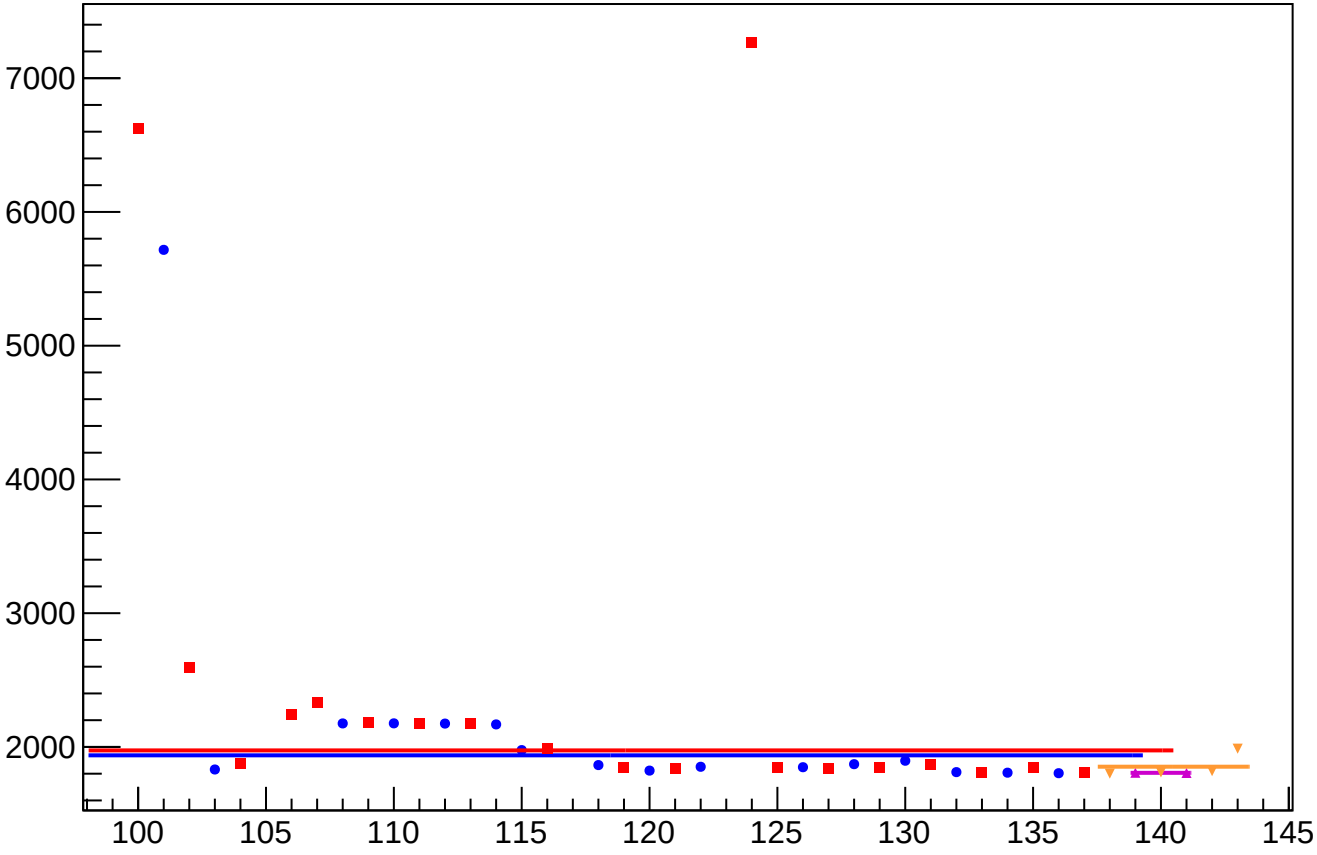
Left In: -2936.337+/-1372.779 χ^2/NDF:0.9/1

\+ sign 2118.429+/-610.473 χ^2/NDF: 18.0/19

All: 115.541+/-444.866 χ^2/NDF: 60.7/40

\- sign -2152.452+/-649.620 χ^2/NDF: 19.7/20

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

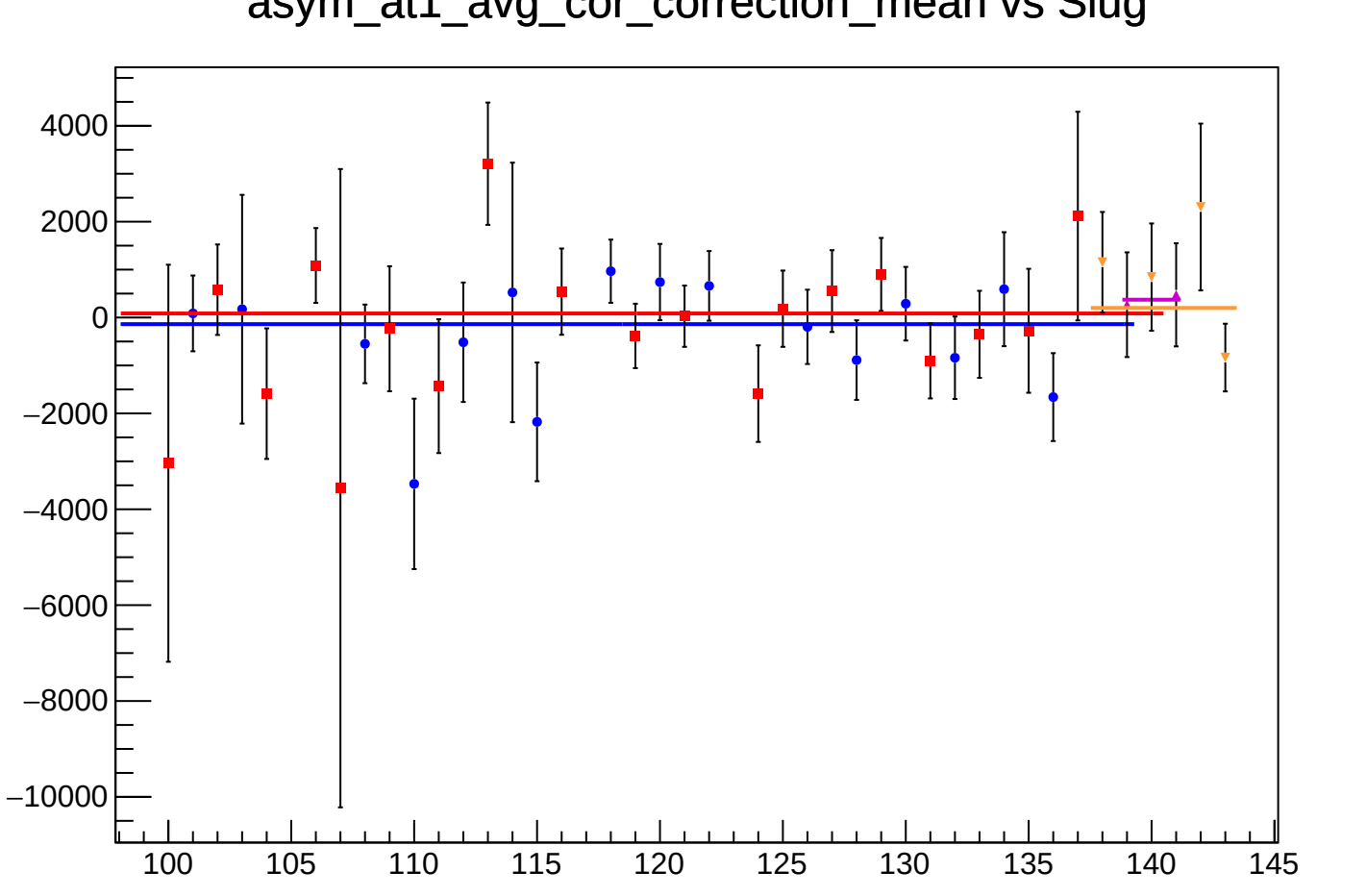
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1806.415+/-0.971 χ^2/NDF:0.7/1

+ sign 1910.705+/-0.432 χ^2/NDF: 656427.1/19

All: 1922.846+/-0.315 χ^2/NDF: 1061719.1/40

- sign 1936.592+/-0.459 χ^2/NDF: 403605.4/20



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 200.314+/-497.344 χ^2/NDF:4.8/3

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

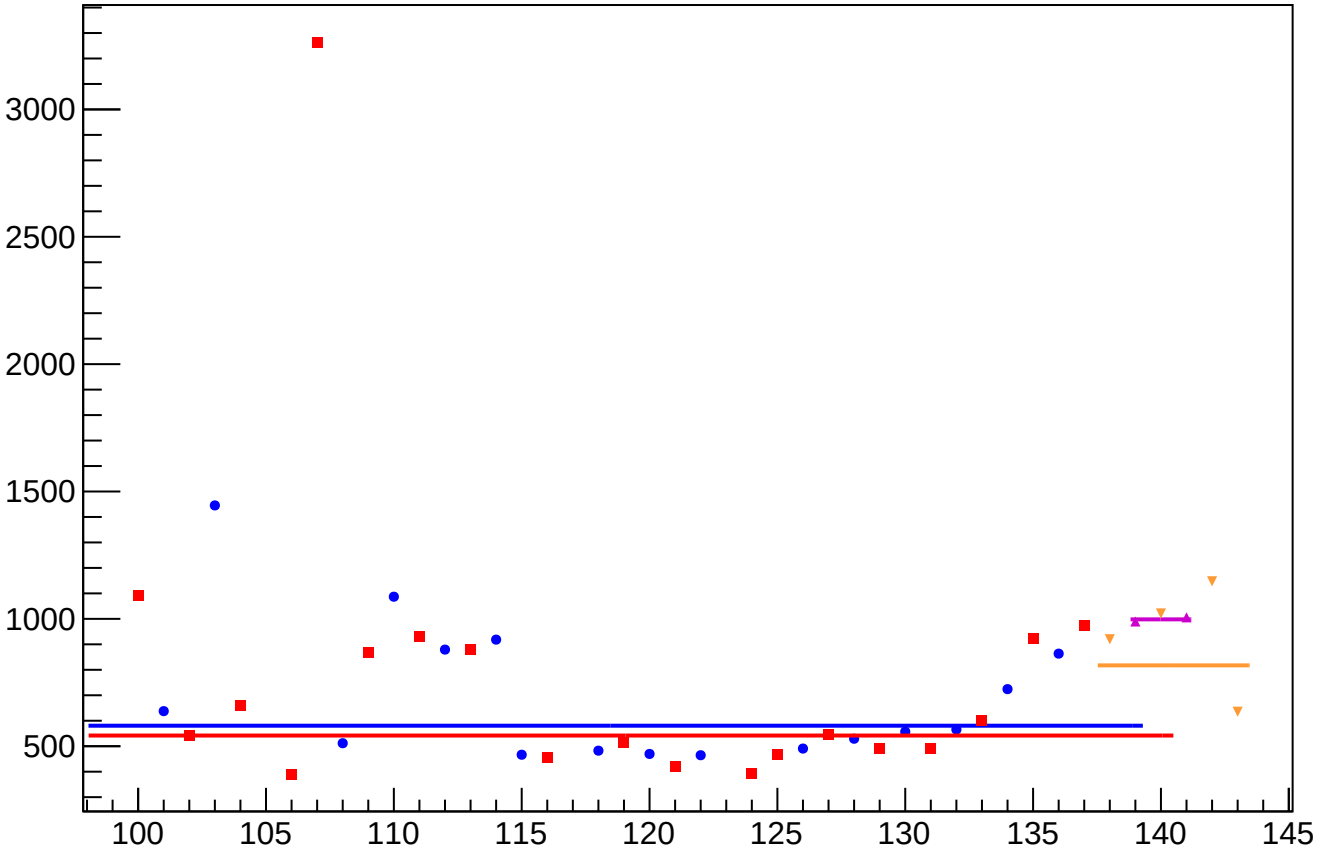
Left In: 372.359+/-766.319 χ^2/NDF:0.0/1

\+ sign -77.811+/-209.043 χ^2/NDF: 22.0/19

All: 12.894+/-149.239 χ^2/NDF: 41.8/40

\- sign 107.178+/-213.127 χ^2/NDF: 19.4/20

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 817.389+/-0.352 χ^2/NDF:290286.3/3

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

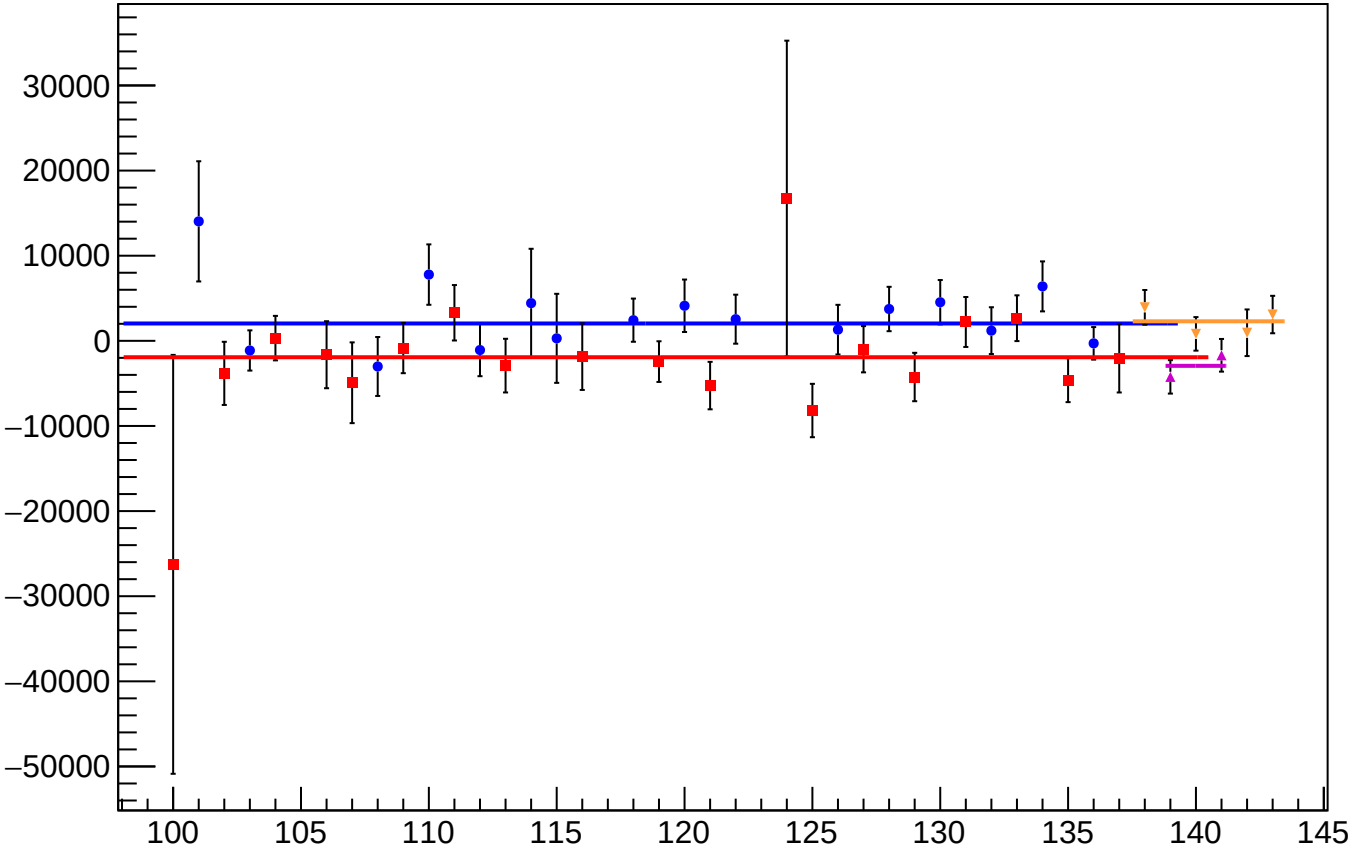
Left In: 998.009+/-0.542 χ^2/NDF:224.7/1

+ sign 622.366+/-0.148 χ^2/NDF: 1666706.5/19

All: 600.228+/-0.106 χ^2/NDF: 3685129.8/40

- sign 577.216+/-0.151 χ^2/NDF: 1972675.1/20

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.594+/-1092.202 χ^2/NDF:1.6/3

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

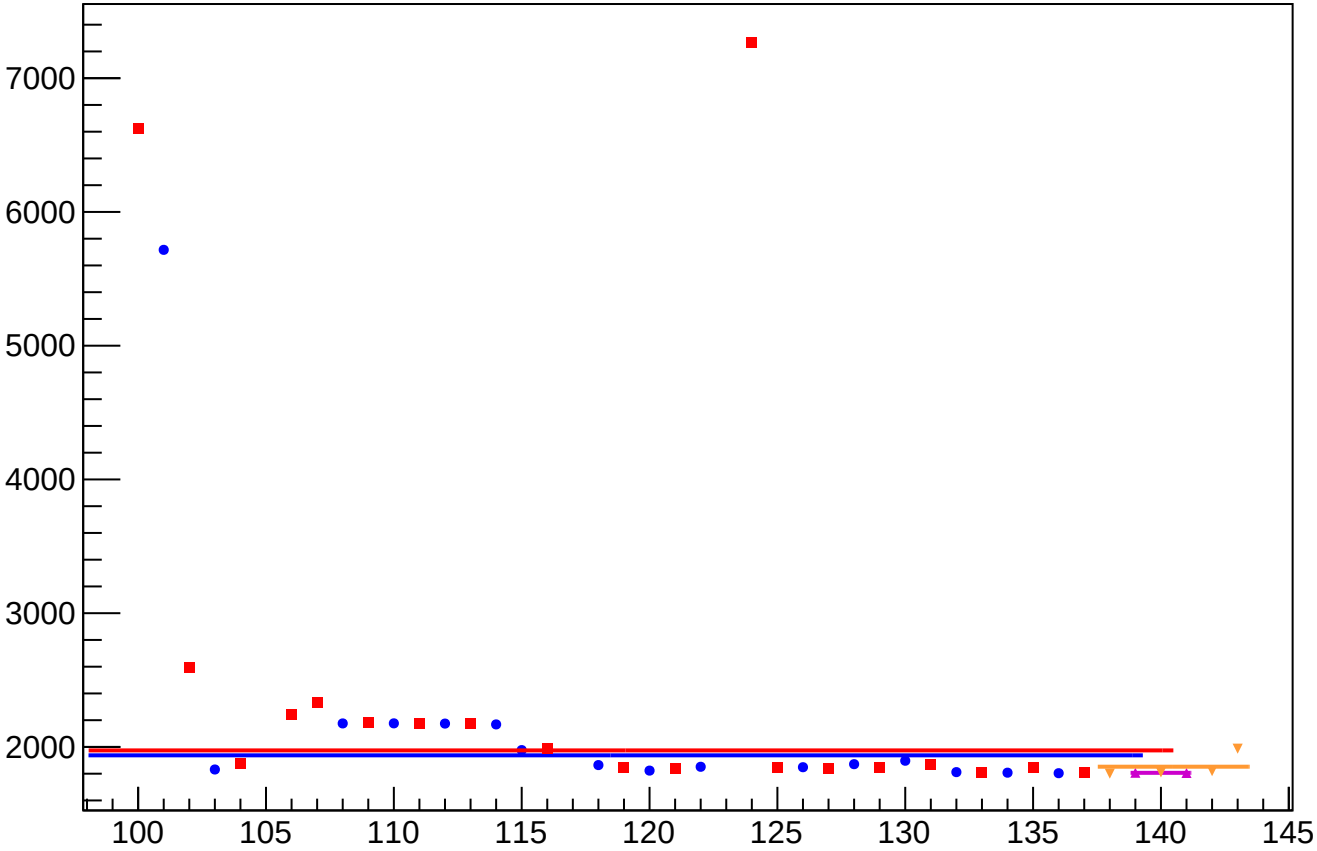
Left In: -2936.337+/-1372.779 χ^2/NDF:0.9/1

+ sign 2118.429+/-610.473 χ^2/NDF: 18.0/19

All: 115.541+/-444.866 χ^2/NDF: 60.7/40

- sign -2152.452+/-649.620 χ^2/NDF: 19.7/20

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

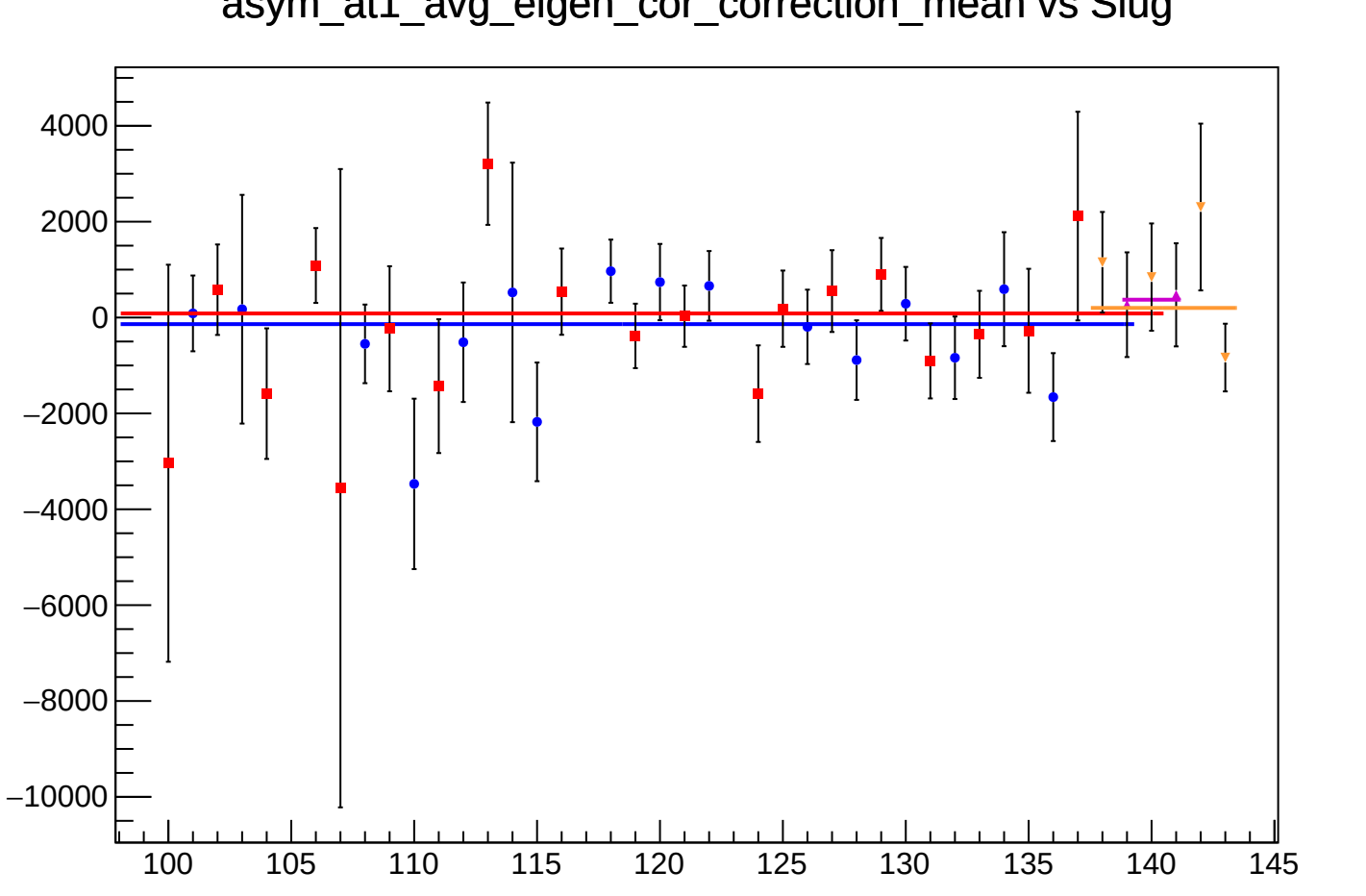
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1806.415+/-0.971 χ^2/NDF:0.7/1

+ sign 1910.705+/-0.432 χ^2/NDF: 656427.1/19

All: 1922.846+/-0.315 χ^2/NDF: 1061719.1/40

- sign 1936.592+/-0.459 χ^2/NDF: 403605.4/20



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 200.314+/-497.344 χ^2/NDF:4.8/3

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

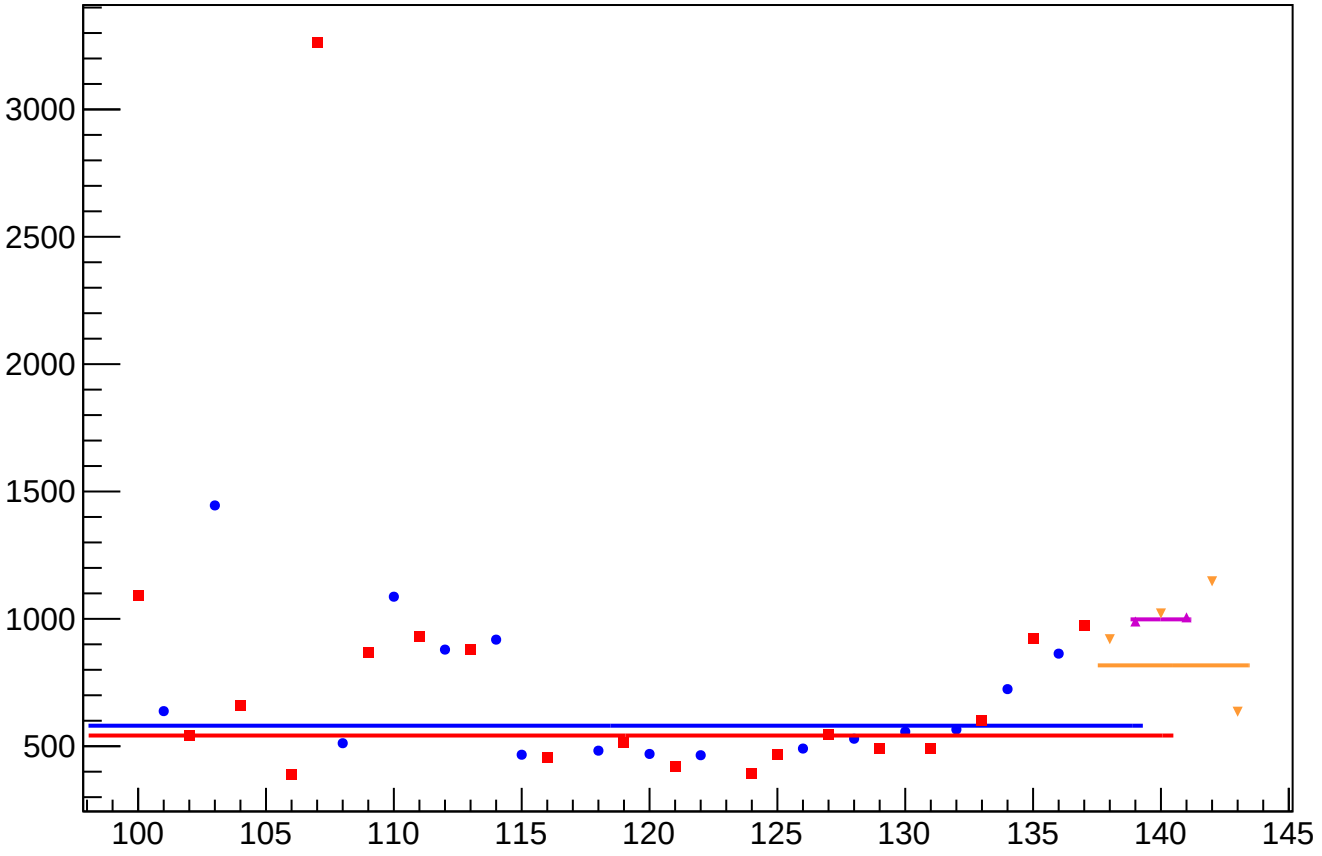
Left In: 372.359+/-766.319 χ^2/NDF:0.0/1

\+ sign -77.811+/-209.043 χ^2/NDF: 22.0/19

All: 12.894+/-149.239 χ^2/NDF: 41.8/40

\- sign 107.178+/-213.127 χ^2/NDF: 19.4/20

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 817.389+/-0.352 χ^2/NDF:290286.3/3

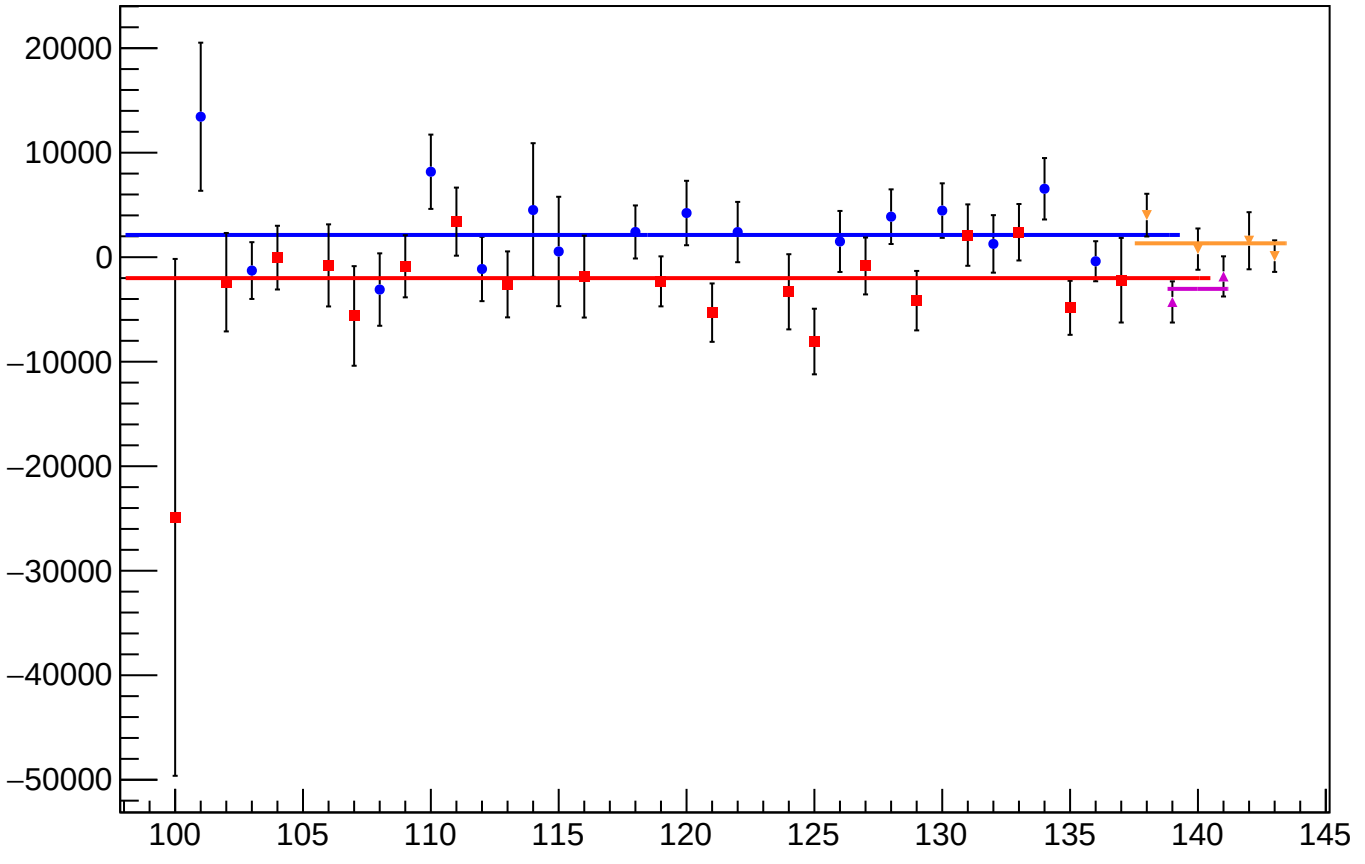
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 998.009+/-0.542 χ^2/NDF:224.7/1

+ sign 622.366+/-0.148 χ^2/NDF: 1666706.5/19

All: 600.228+/-0.106 χ^2/NDF: 3685129.8/40

- sign 577.216+/-0.151 χ^2/NDF: 1972675.1/20



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1328.166+/-967.377 χ^2/NDF:2.5/3

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

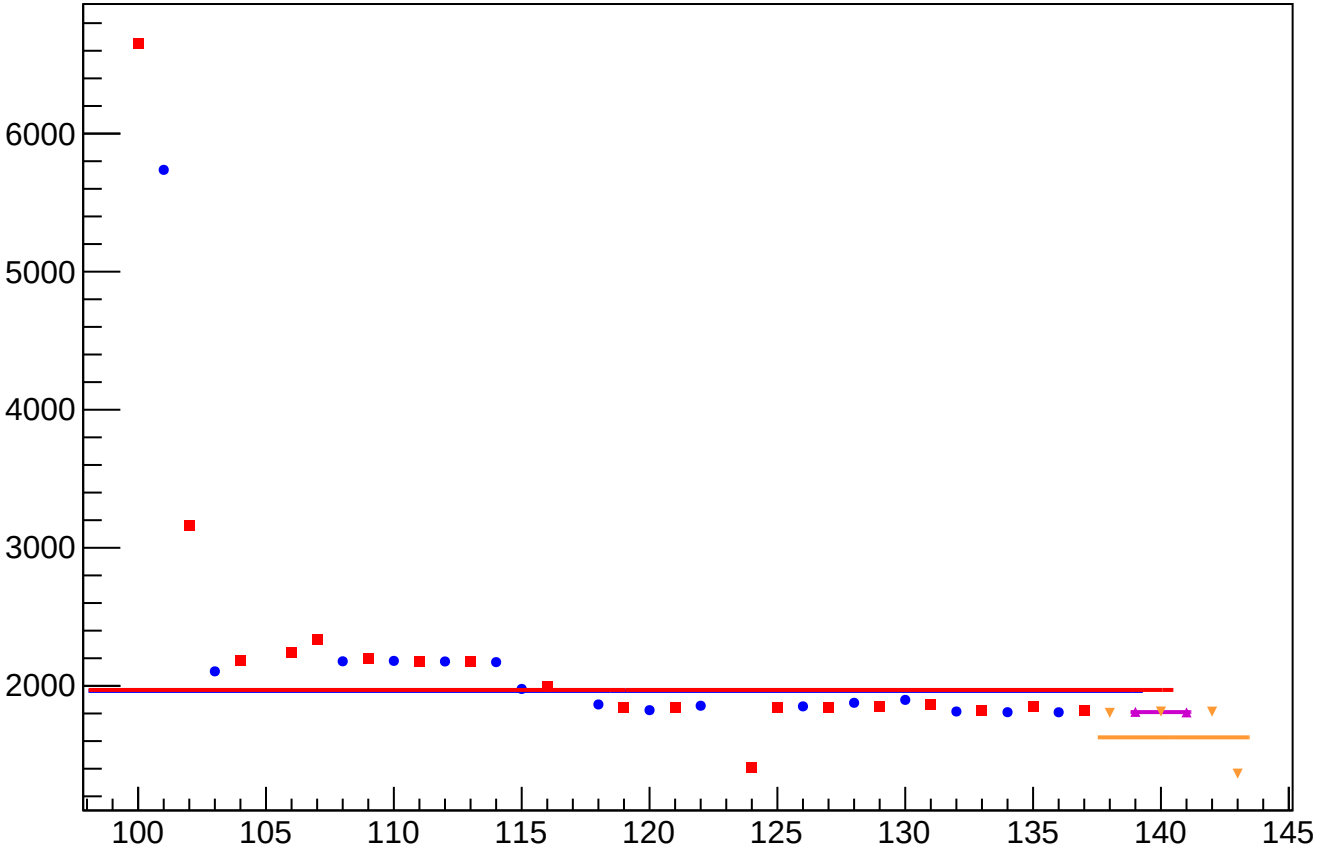
Left In: -3030.413+/-1375.592 χ^2/NDF:0.8/1

+ sign 1830.076+/-590.867 χ^2/NDF: 19.4/19

All: -8.372+/-437.150 χ^2/NDF: 58.8/40

- sign -2231.631+/-649.769 χ^2/NDF: 18.0/20

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1627.110+/-0.684 χ^2/NDF:102852.6/3

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

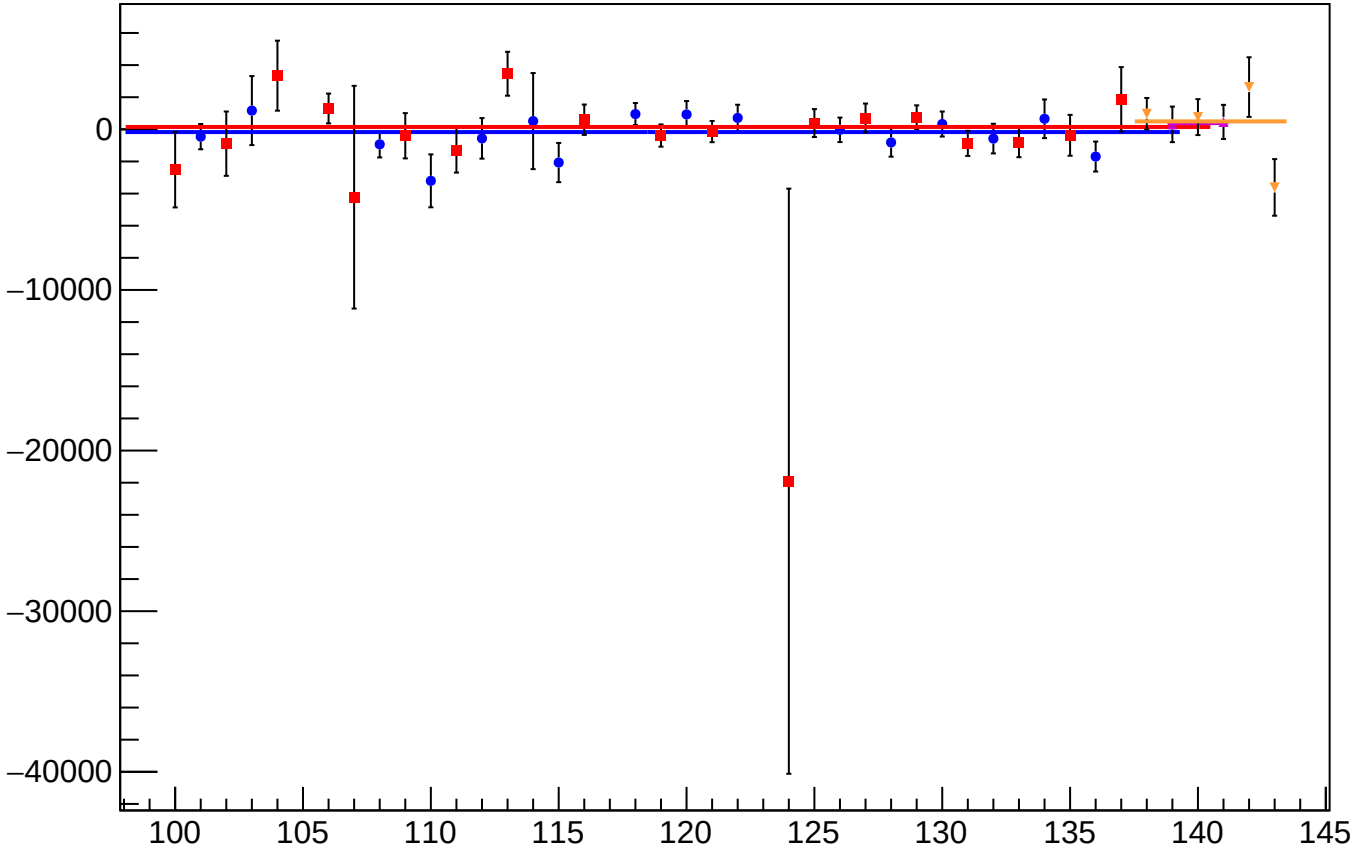
Left In: 1809.974+/-0.973 χ^2/NDF:3.5/1

+ sign 1837.950+/-0.418 χ^2/NDF: 894646.0/19

All: 1881.720+/-0.309 χ^2/NDF: 1285177.9/40

- sign 1934.652+/-0.459 χ^2/NDF: 366284.8/20

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 495.074+/-639.401 χ^2/NDF:7.1/3

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

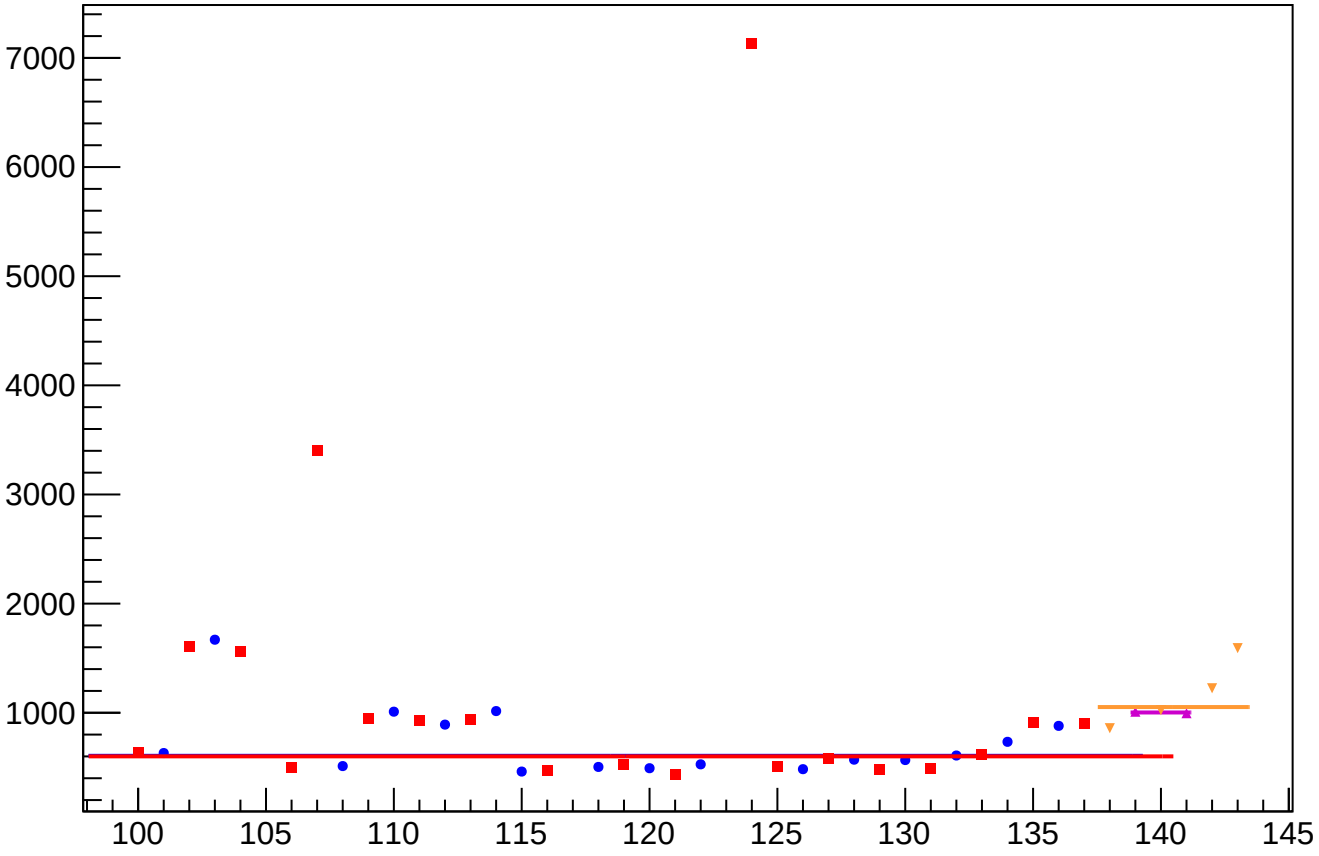
Left In: 388.220+/-766.579 χ^2/NDF:0.0/1

+ sign -90.397+/-222.153 χ^2/NDF: 25.2/19

All: 34.168+/-160.291 χ^2/NDF: 46.1/40

- sign 169.445+/-231.508 χ^2/NDF: 20.2/20

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 1052.201+/-0.452 χ^2/NDF:283951.4/3

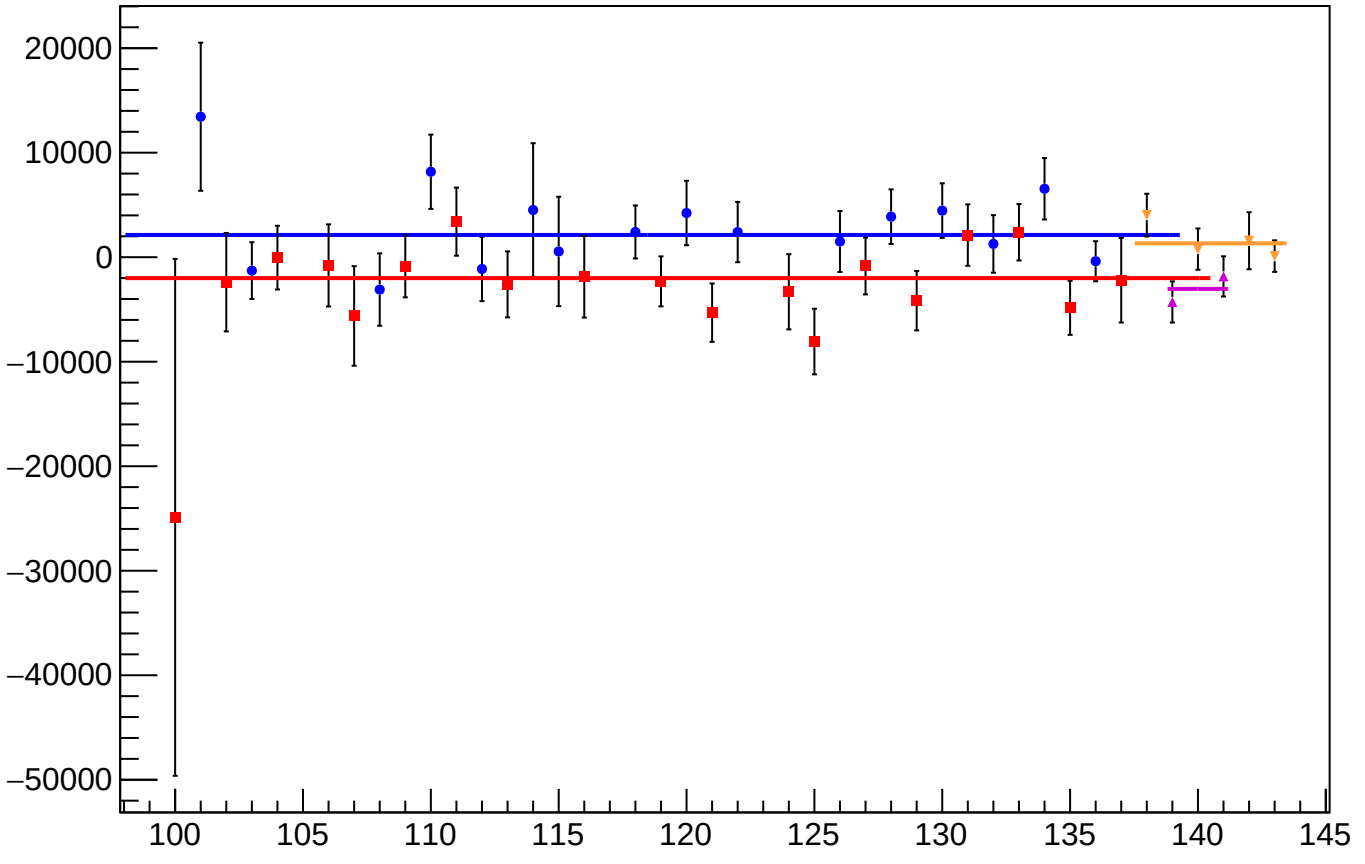
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 1002.556+/-0.542 χ^2/NDF:160.9/1

+ sign 659.361+/-0.157 χ^2/NDF: 2304992.5/19

All: 648.700+/-0.113 χ^2/NDF: 5143401.6/40

- sign 637.121+/-0.164 χ^2/NDF: 2828800.2/20



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1328.166+/-967.377 χ^2/NDF:2.5/3

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

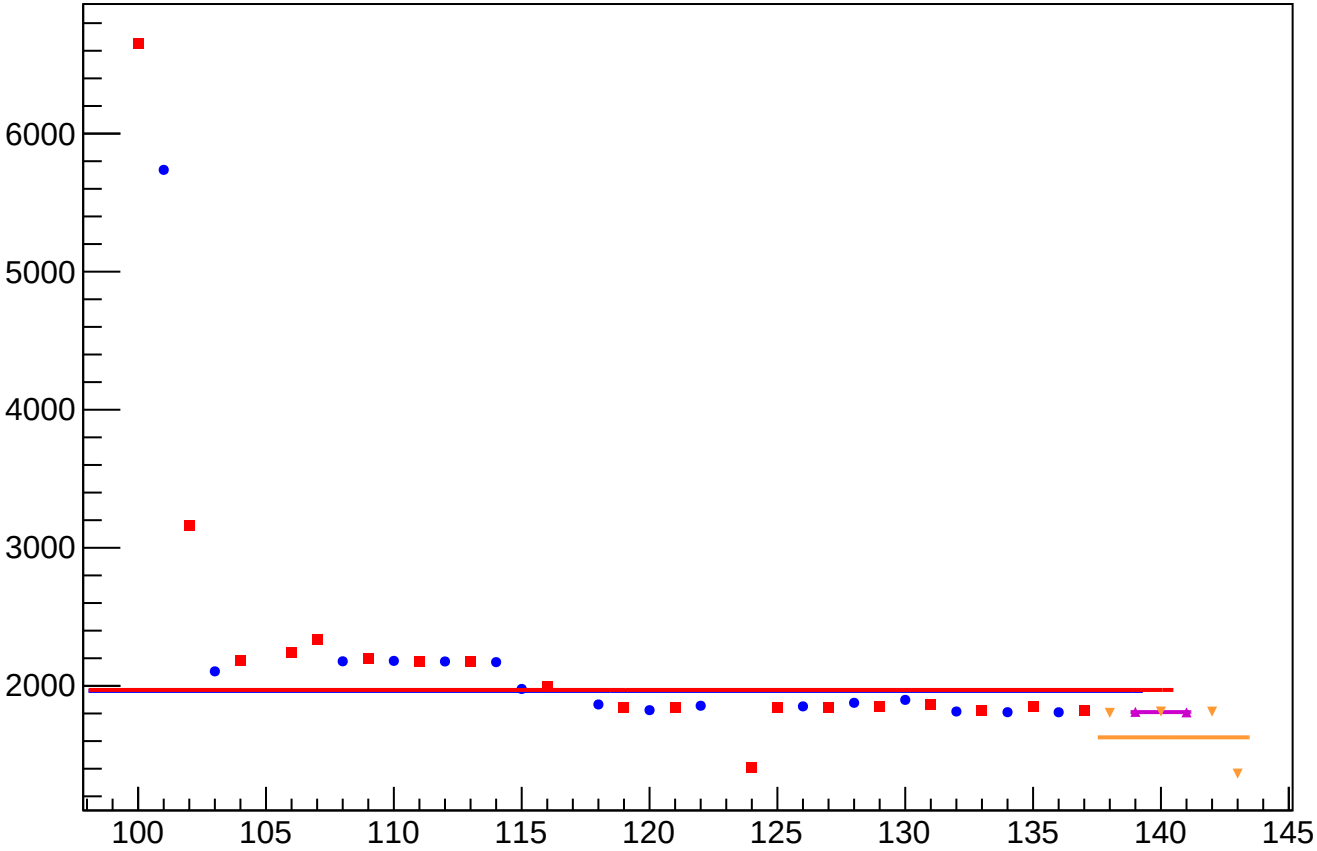
Left In: -3030.412+/-1375.592 χ^2/NDF:0.8/1

+ sign 1830.075+/-590.867 χ^2/NDF: 19.4/19

All: -8.372+/-437.150 χ^2/NDF: 58.8/40

- sign -2231.629+/-649.769 χ^2/NDF: 18.0/20

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1627.110+/-0.684 χ^2/NDF:102852.6/3

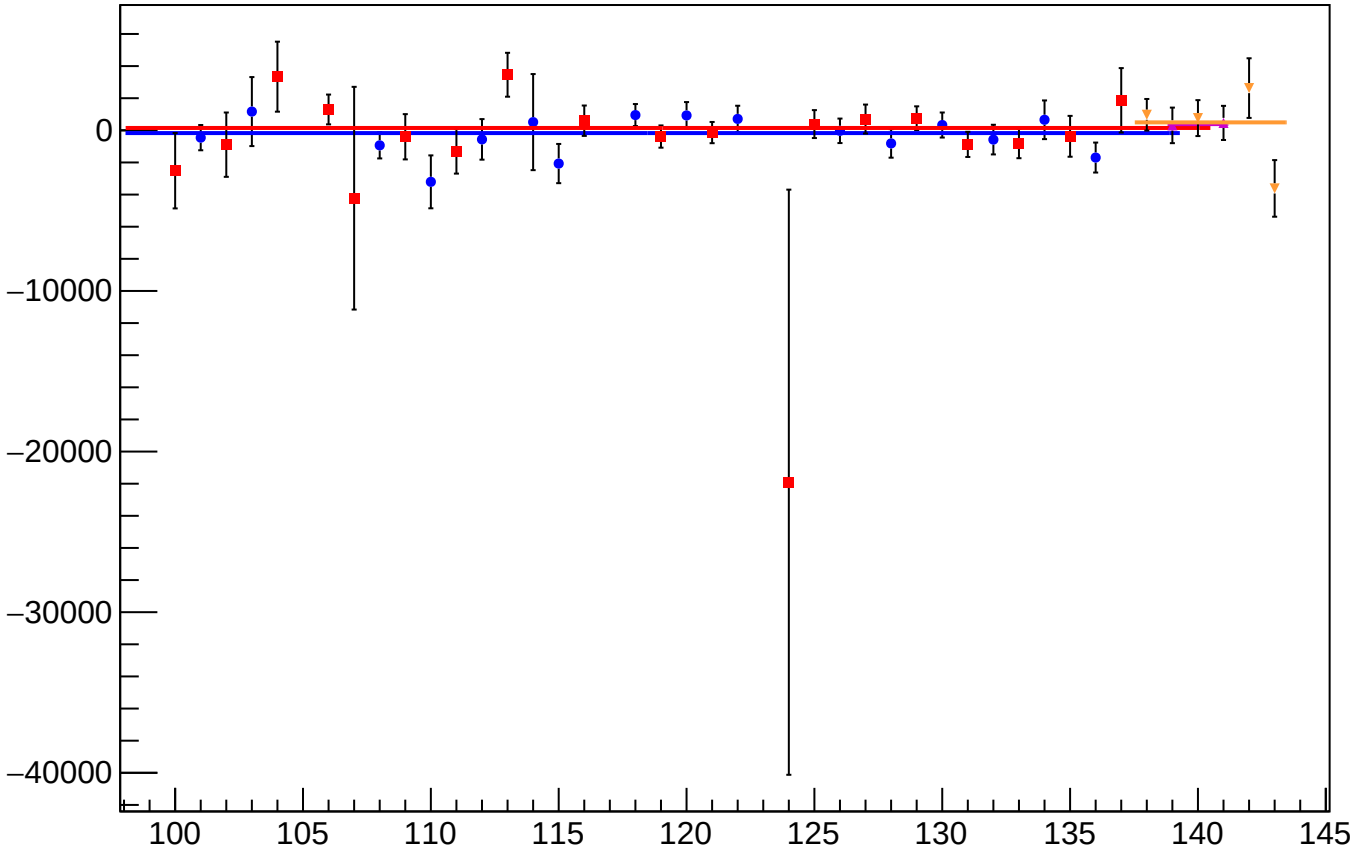
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1809.974+/-0.973 χ^2/NDF:3.5/1

+ sign 1837.950+/-0.418 χ^2/NDF: 894645.5/19

All: 1881.720+/-0.309 χ^2/NDF: 1285176.0/40

- sign 1934.651+/-0.459 χ^2/NDF: 366283.5/20



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: 495.075+/-639.402 χ^2/NDF:7.1/3

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

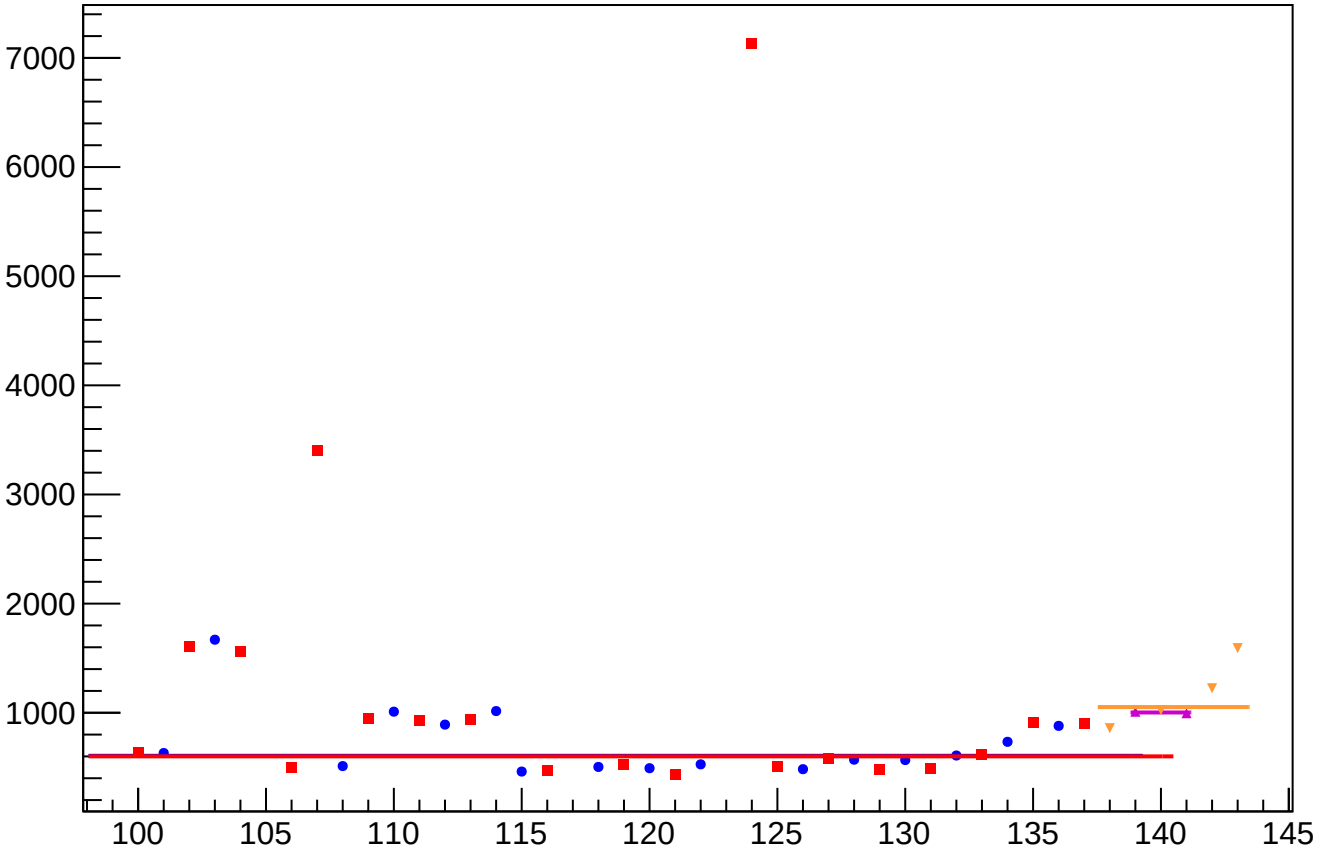
Left In: 388.222+/-766.579 χ^2/NDF:0.0/1

+ sign -90.396+/-222.153 χ^2/NDF: 25.2/19

All: 34.168+/-160.291 χ^2/NDF: 46.1/40

- sign 169.445+/-231.508 χ^2/NDF: 20.2/20

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 1052.202+/-0.452 χ^2/NDF:283951.8/3

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

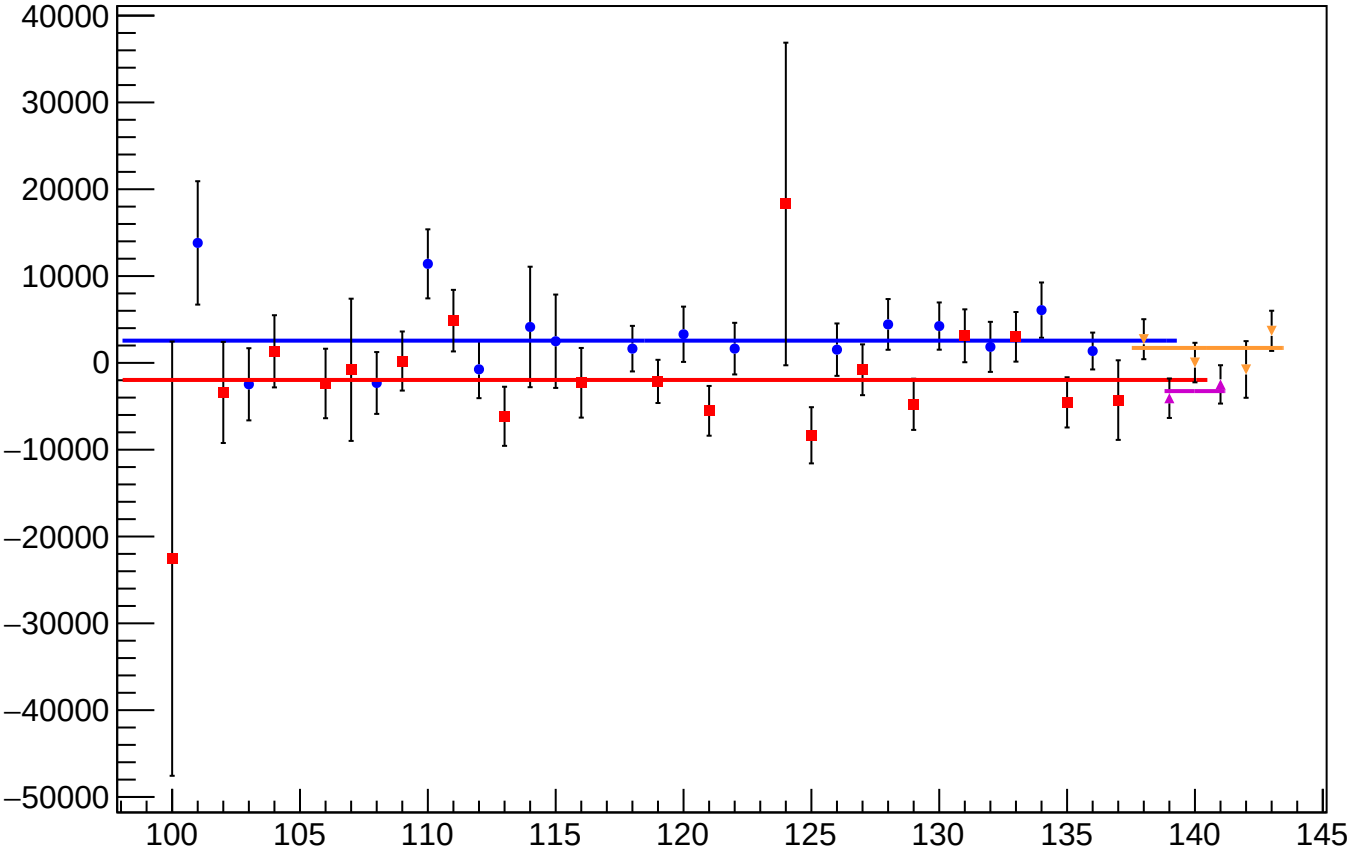
Left In: 1002.557+/-0.542 χ^2/NDF:160.9/1

+ sign 659.360+/-0.157 χ^2/NDF: 2305006.3/19

All: 648.699+/-0.113 χ^2/NDF: 5143426.4/40

- sign 637.120+/-0.164 χ^2/NDF: 2828811.4/20

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1721.428+/-1228.858 χ^2/NDF:2.0/3

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

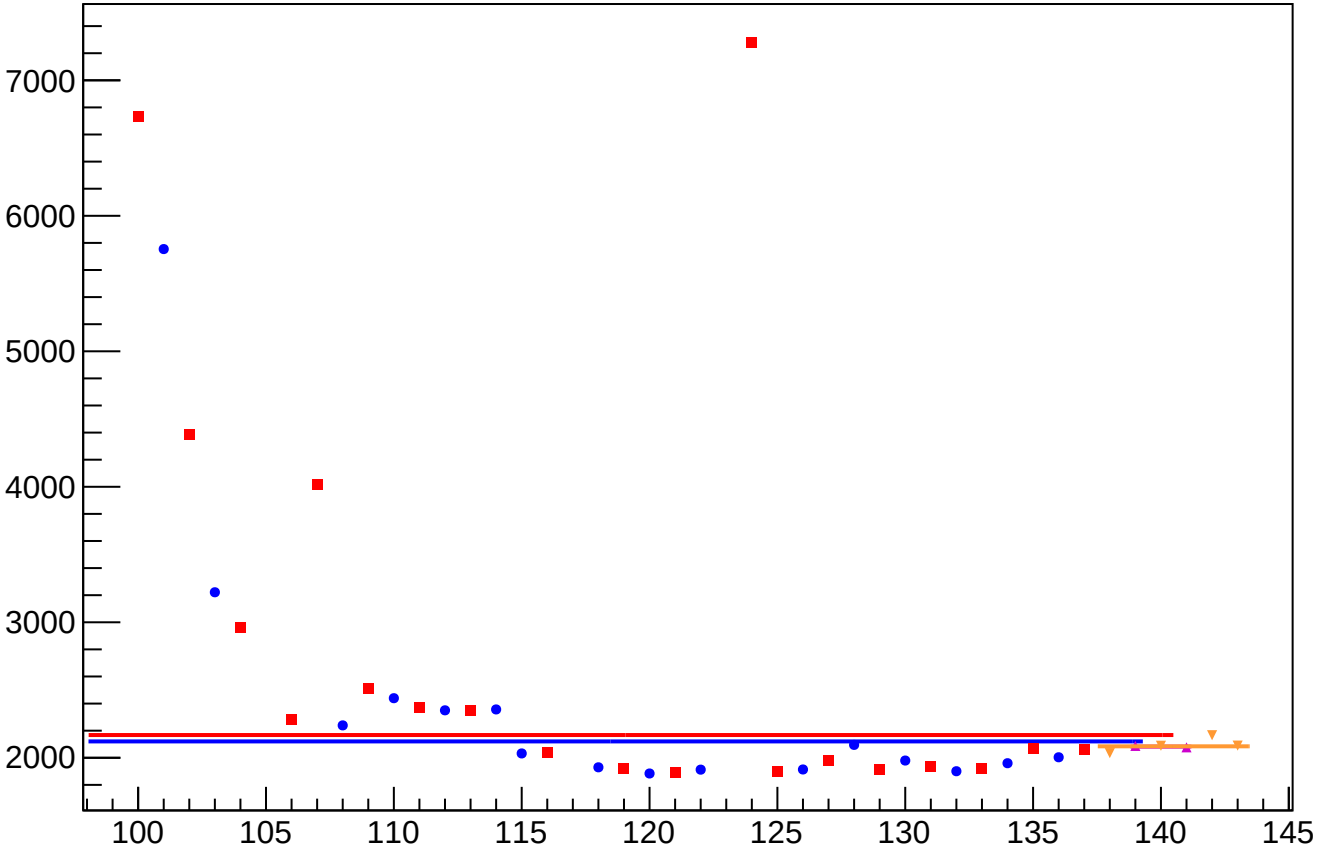
Left In: -3250.917+/-1584.300 χ^2/NDF:0.3/1

+ sign 2306.838+/-676.099 χ^2/NDF: 17.0/19

All: 200.649+/-495.226 χ^2/NDF: 60.3/40

- sign -2237.457+/-727.425 χ^2/NDF: 22.4/20

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2084.571+/-0.869 χ^2/NDF:2225.3/3

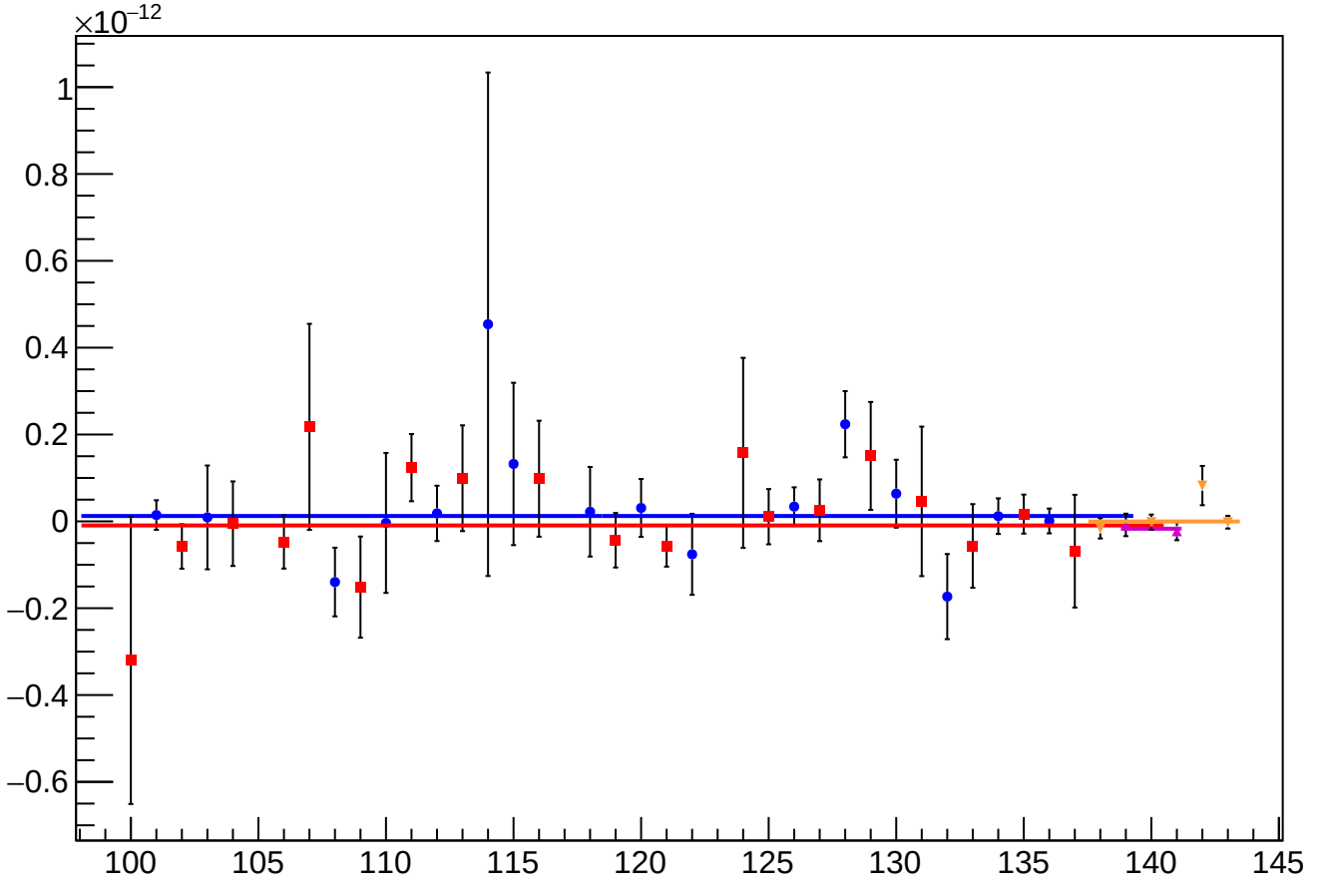
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2082.264+/-1.120 χ^2/NDF:21.5/1

+ sign 2109.818+/-0.478 χ^2/NDF: 763405.1/19

All: 2128.348+/-0.350 χ^2/NDF: 1595198.8/40

- sign 2149.799+/-0.514 χ^2/NDF: 828552.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

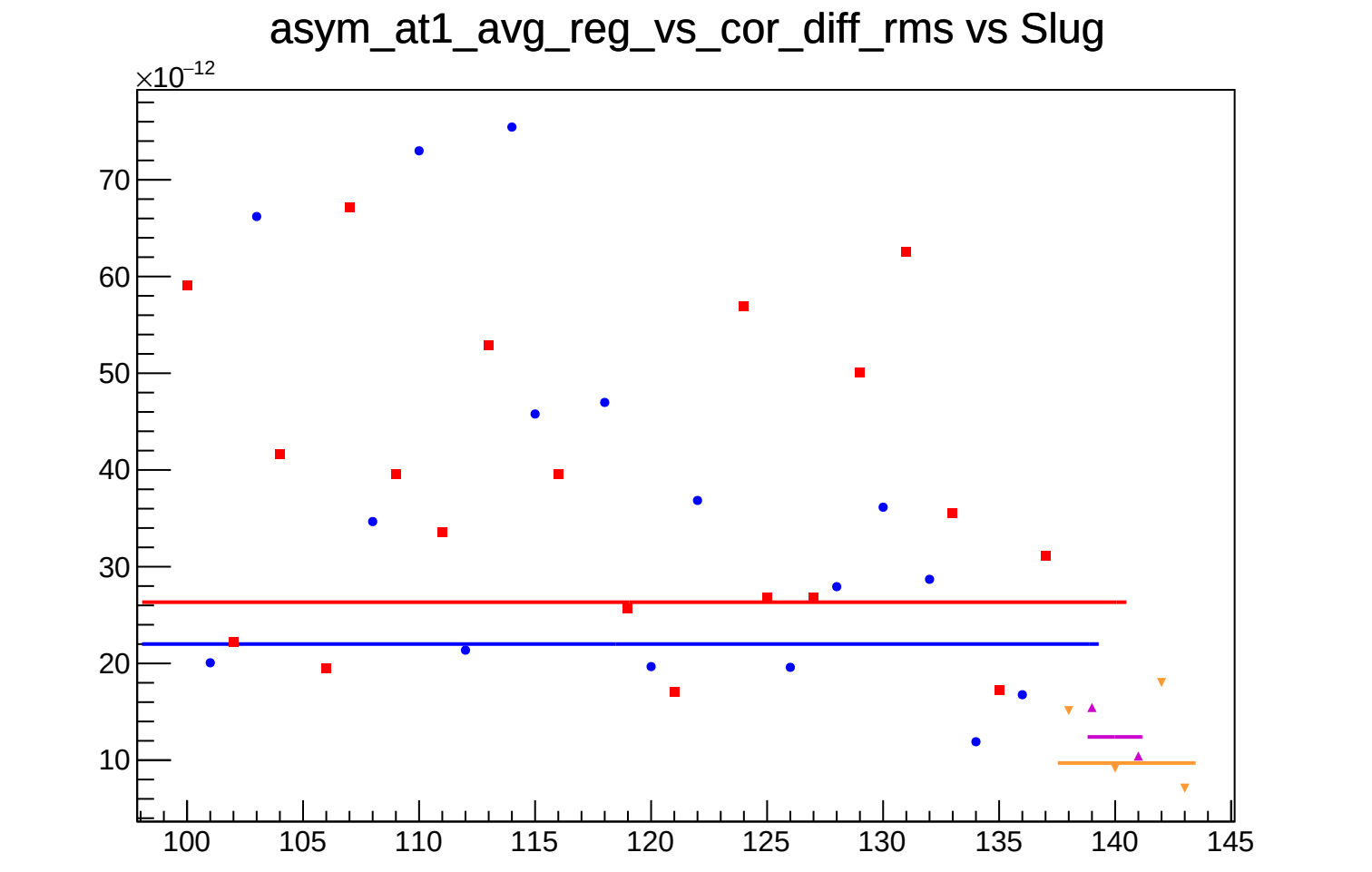
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/19

All: -0.000+/-0.000 χ^2/NDF: 37.6/40

- sign -0.000+/-0.000 χ^2/NDF: 14.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:238204.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

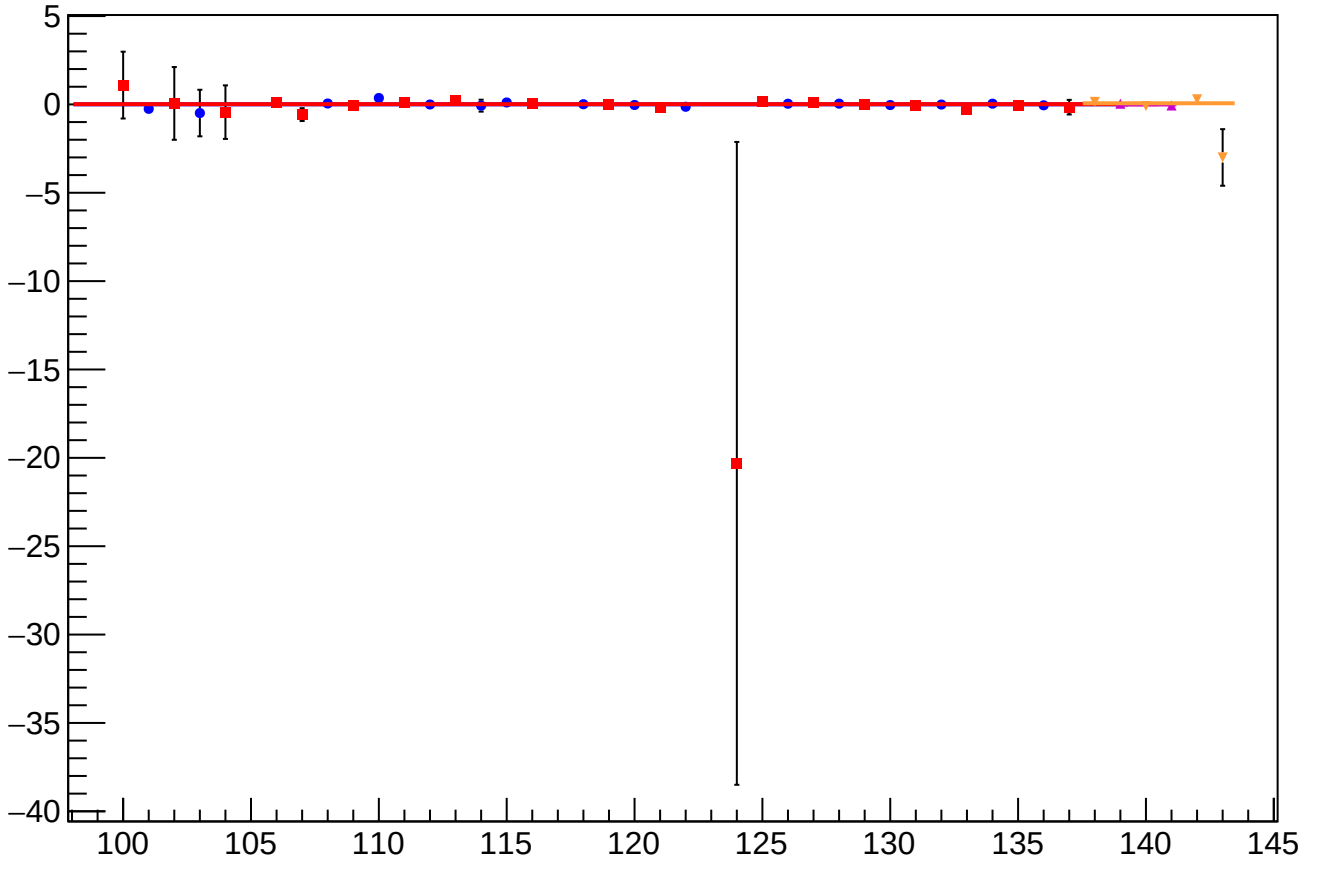
Left In: 0.000+/-0.000 χ^2/NDF:45758.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 2231920.1/19

All: 0.000+/-0.000 χ^2/NDF: 3887641.0/40

- sign 0.000+/-0.000 χ^2/NDF: 1411361.2/20

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

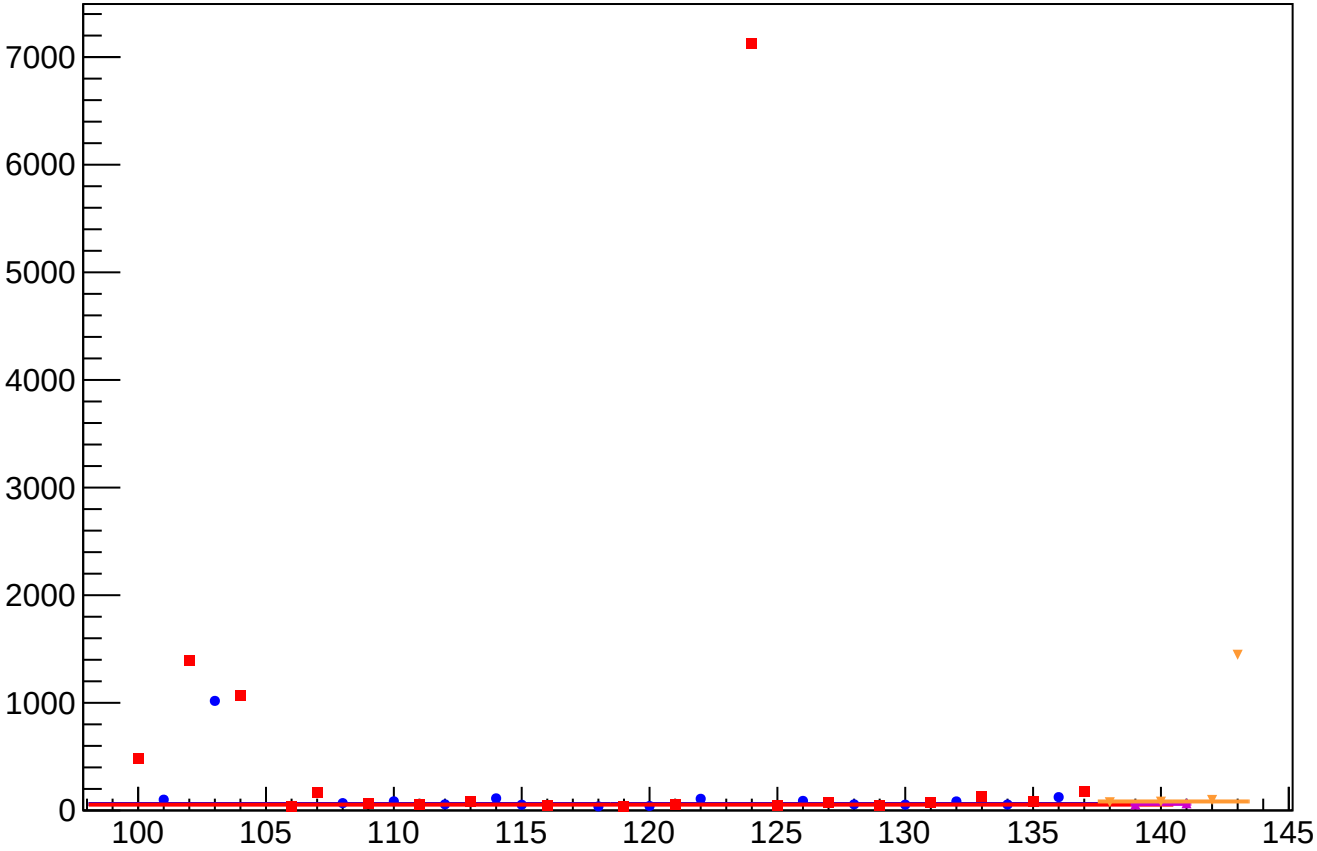
Left In: -0.005+/-0.051 χ^2/NDF:1.0/1

+ sign 0.014+/-0.024 χ^2/NDF: 21.3/19

All: 0.011+/-0.017 χ^2/NDF: 40.0/40

- sign 0.009+/-0.023 χ^2/NDF: 18.6/20

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 83.625+/-0.043 χ^2/NDF:1480152.2/3

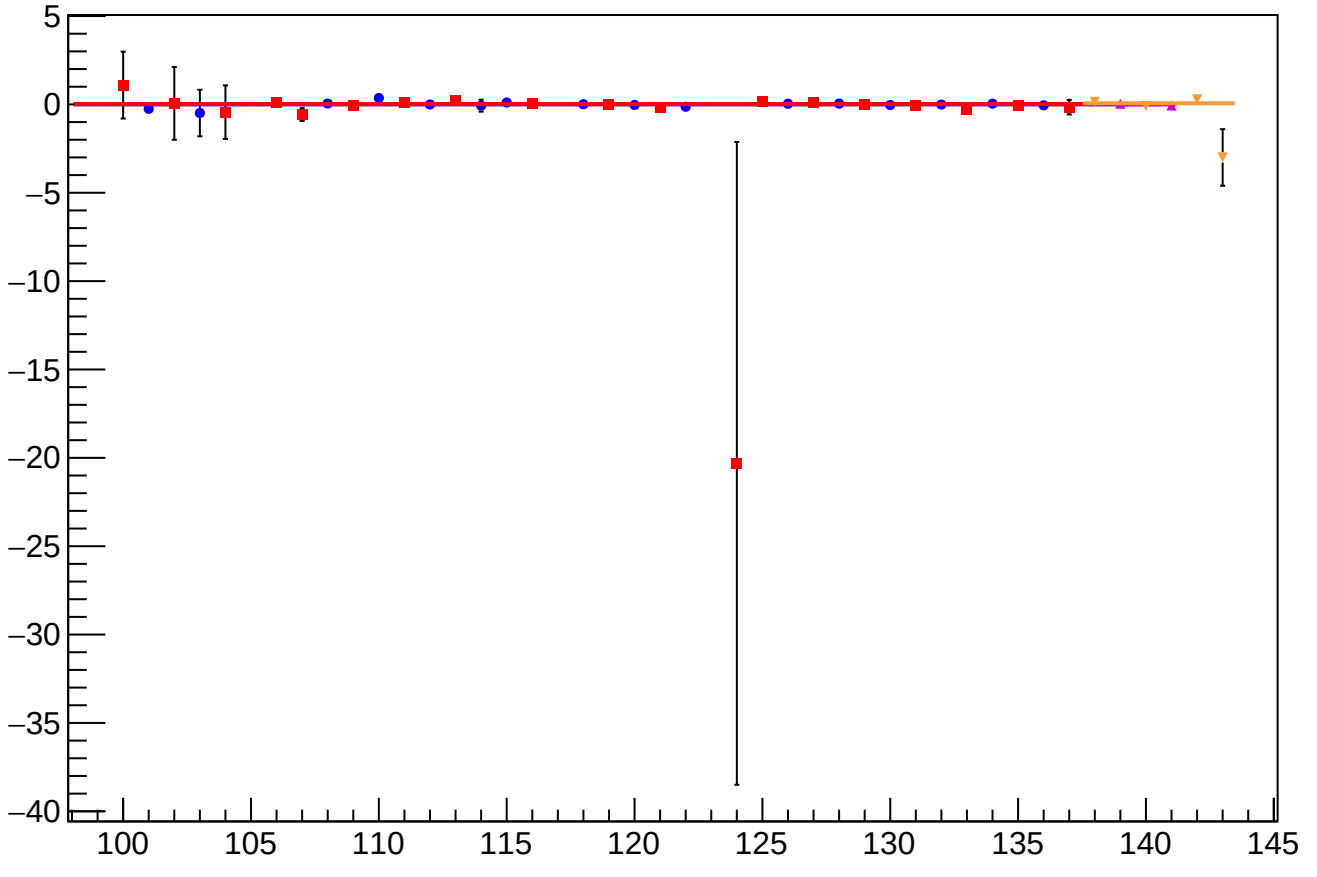
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 61.013+/-0.036 χ^2/NDF:21252.9/1

+ sign 63.638+/-0.017 χ^2/NDF: 4272144.4/19

All: 59.389+/-0.012 χ^2/NDF: 7956558.6/40

- sign 55.644+/-0.016 χ^2/NDF: 3571171.8/20



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

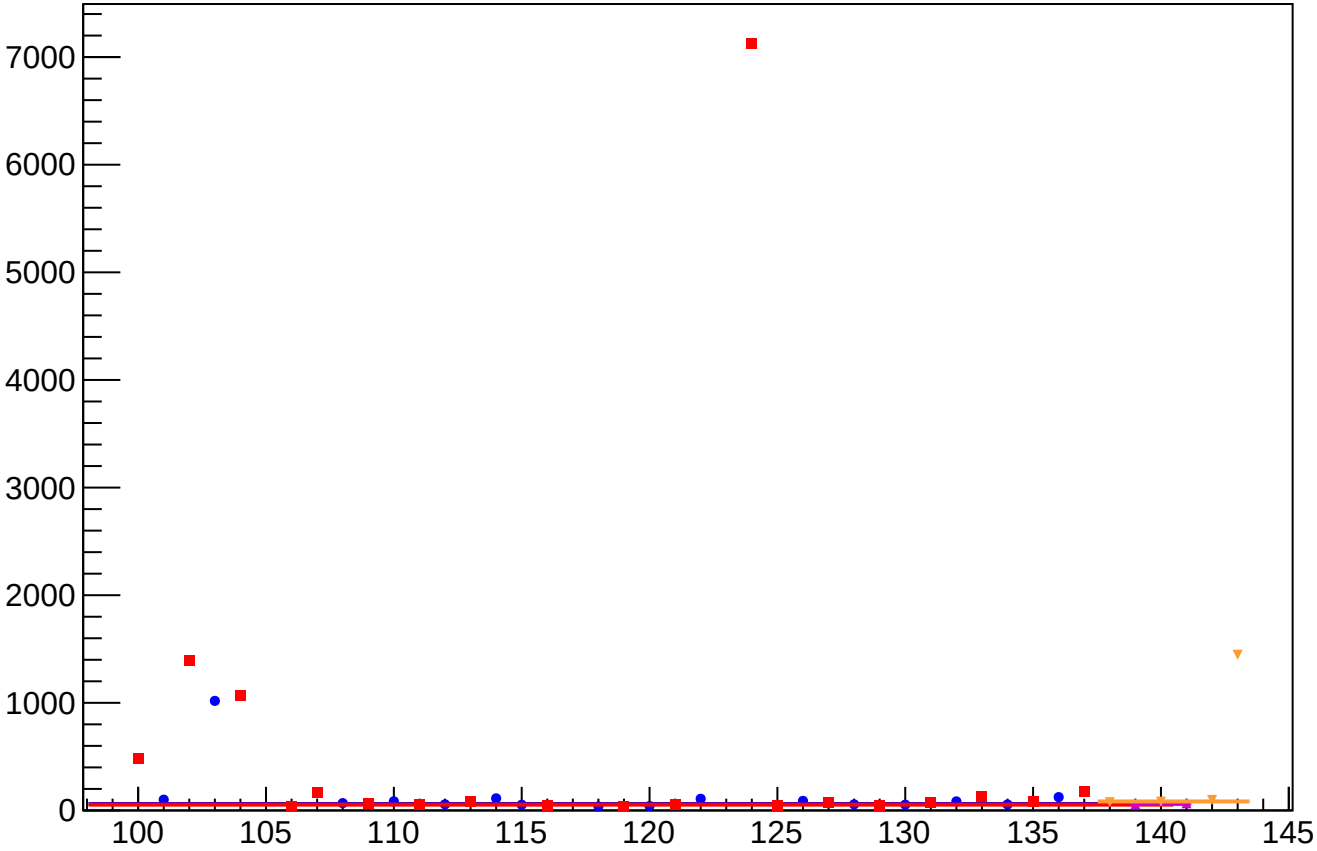
Left In: -0.005+/-0.051 χ^2/NDF:1.0/1

+ sign 0.014+/-0.024 χ^2/NDF: 21.3/19

All: 0.011+/-0.017 χ^2/NDF: 40.0/40

- sign 0.009+/-0.023 χ^2/NDF: 18.6/20

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: 83.625+/-0.043 χ^2/NDF:1480152.2/3

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

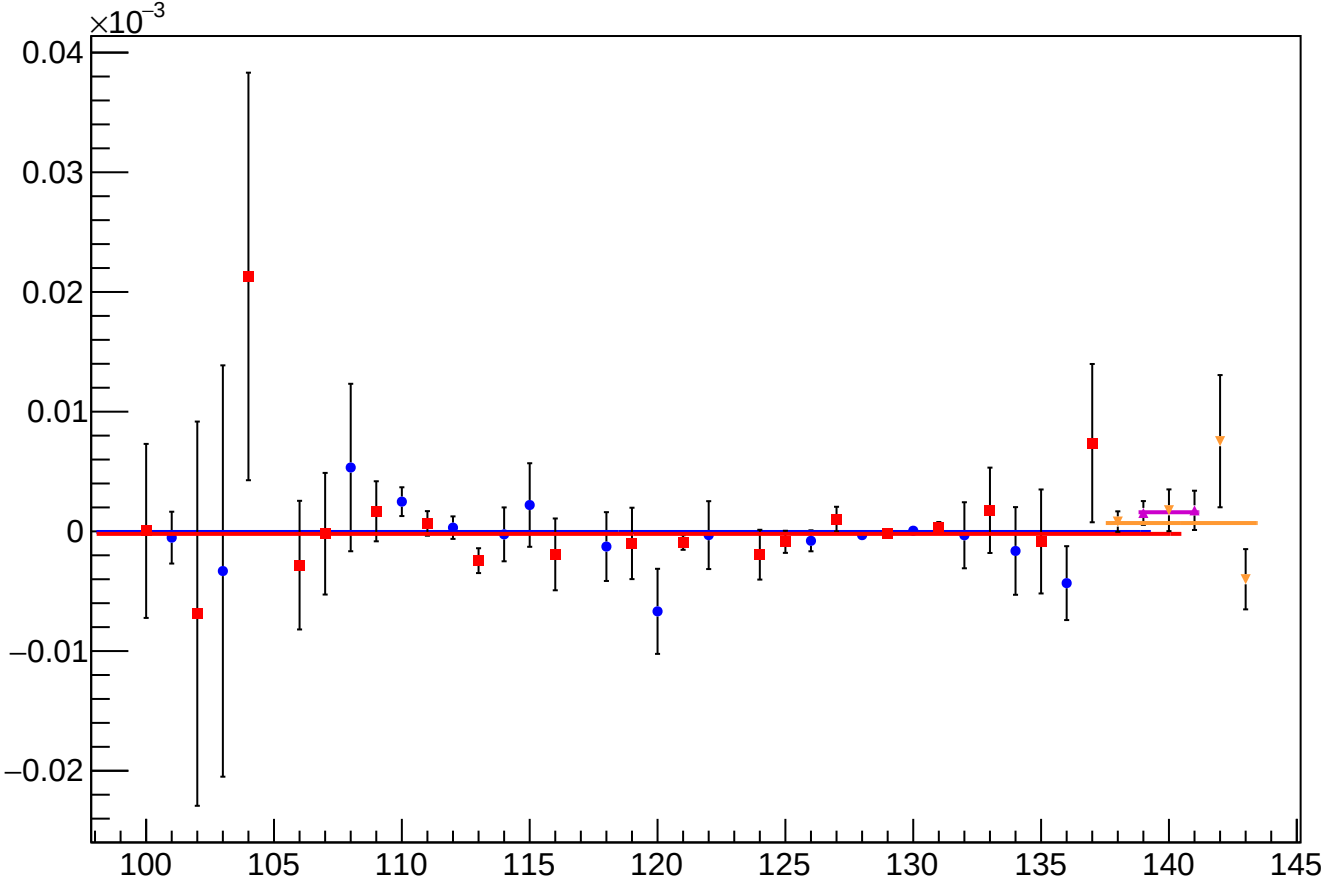
Left In: 61.013+/-0.036 χ^2/NDF:21252.9/1

+ sign 63.638+/-0.017 χ^2/NDF: 4272144.4/19

All: 59.389+/-0.012 χ^2/NDF: 7956558.6/40

- sign 55.644+/-0.016 χ^2/NDF: 3571171.8/20

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:5.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

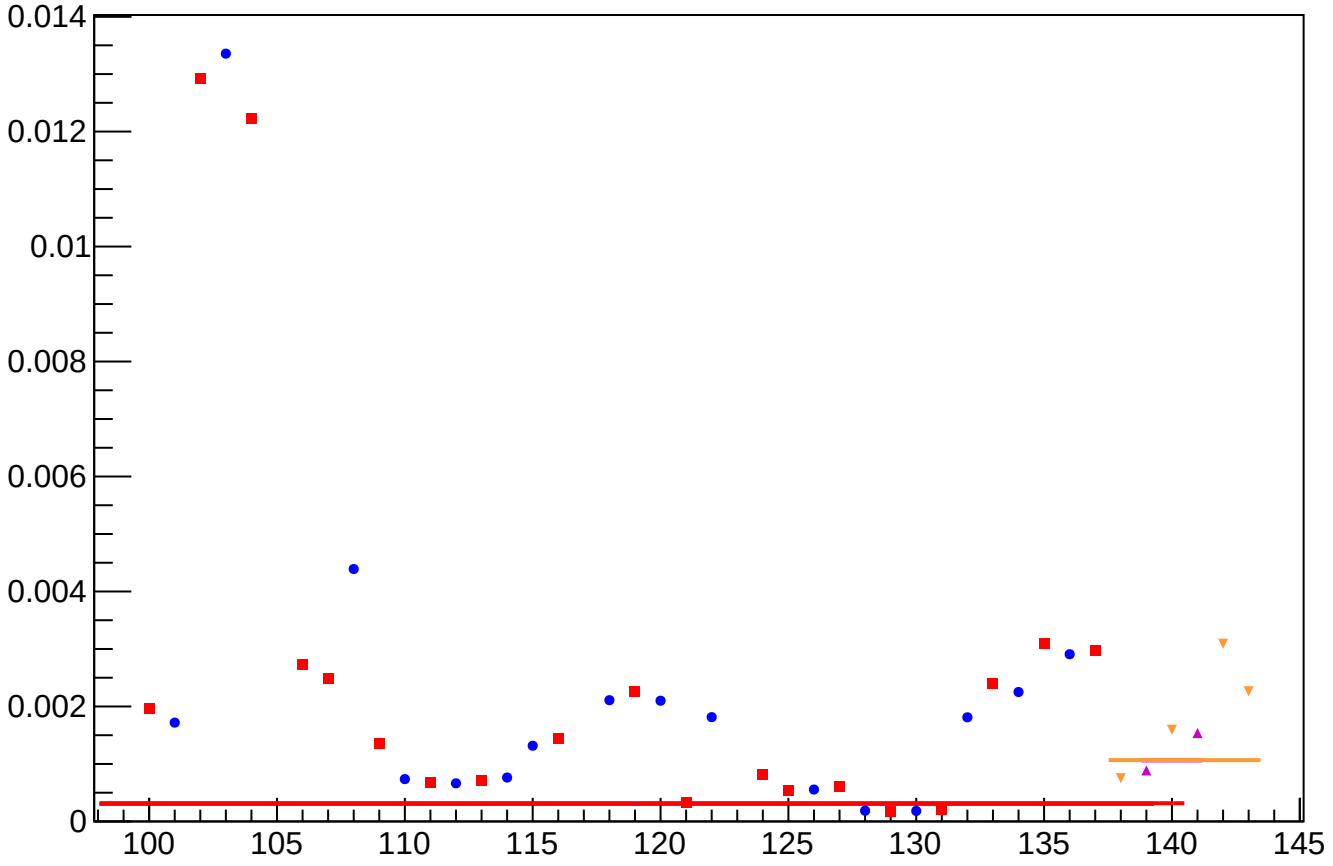
Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/19

All: -0.000+/-0.000 χ^2/NDF: 39.4/40

- sign -0.000+/-0.000 χ^2/NDF: 19.9/20

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:1173280.9/3

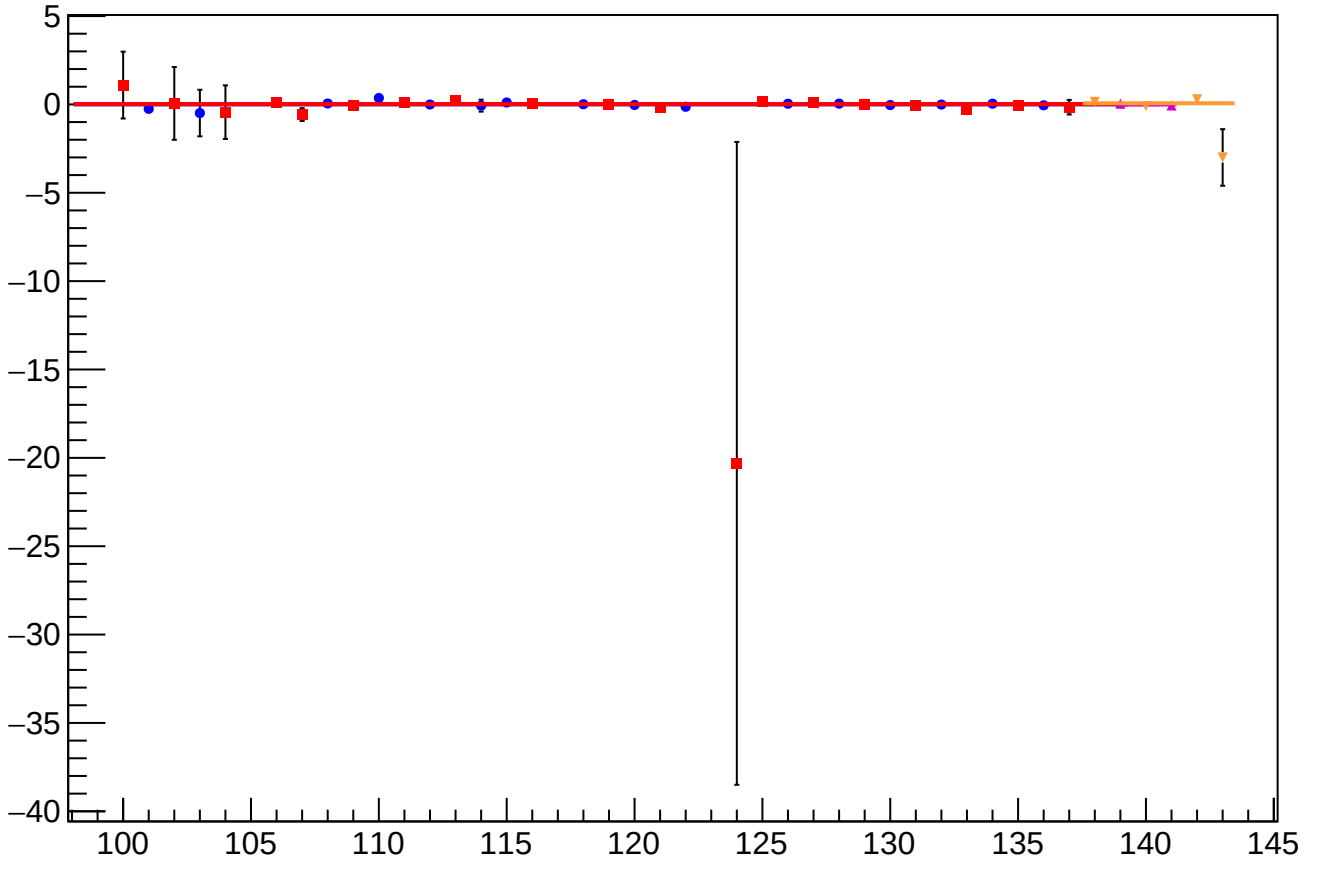
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:230231.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 11956495.2/19

All: 0.000+/-0.000 χ^2/NDF: 21664253.9/40

- sign 0.000+/-0.000 χ^2/NDF: 9707148.0/20



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

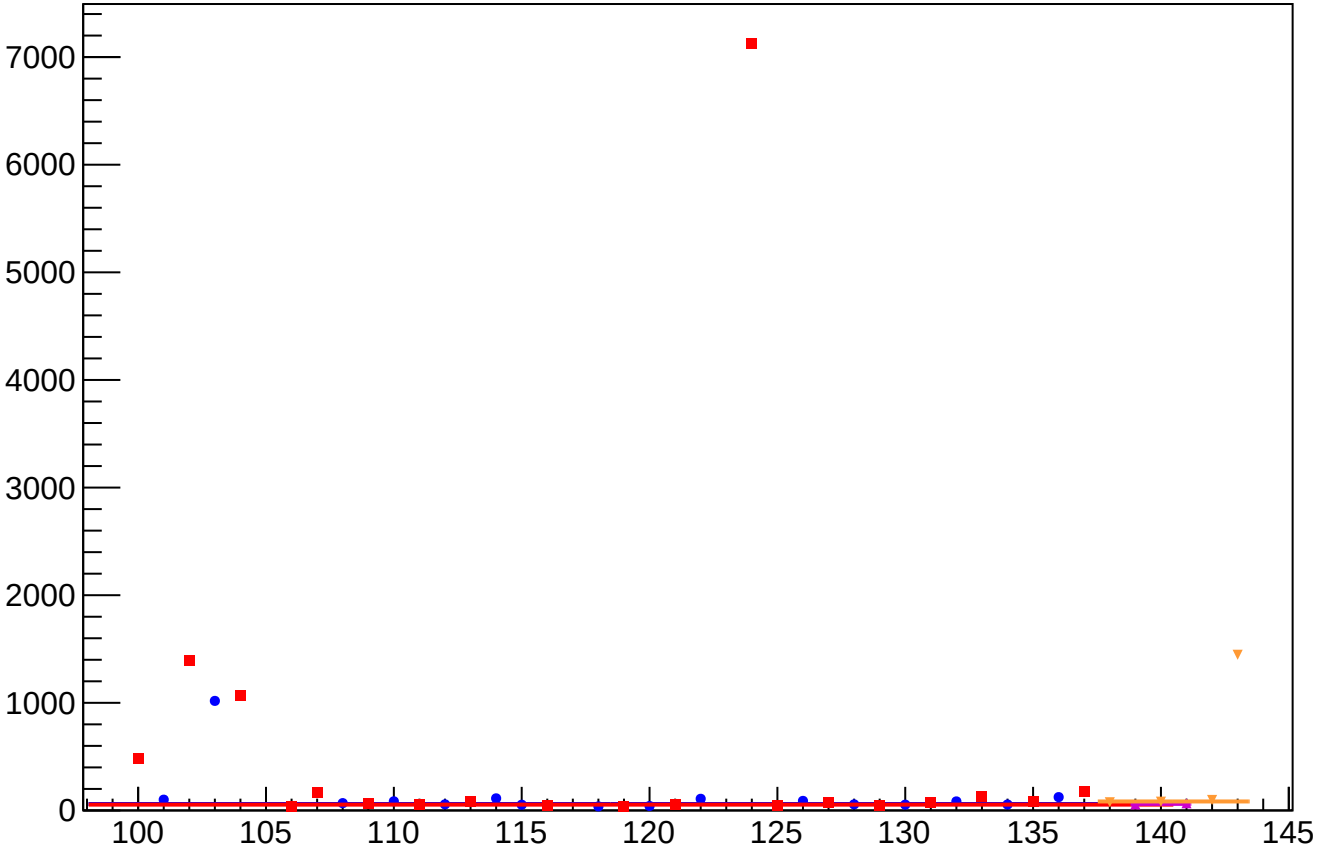
Left In: -0.005+/-0.051 χ^2/NDF:1.0/1

+ sign 0.014+/-0.024 χ^2/NDF: 21.3/19

All: 0.011+/-0.017 χ^2/NDF: 40.0/40

- sign 0.009+/-0.023 χ^2/NDF: 18.6/20

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: 83.625+/-0.043 χ^2/NDF:1480154.0/3

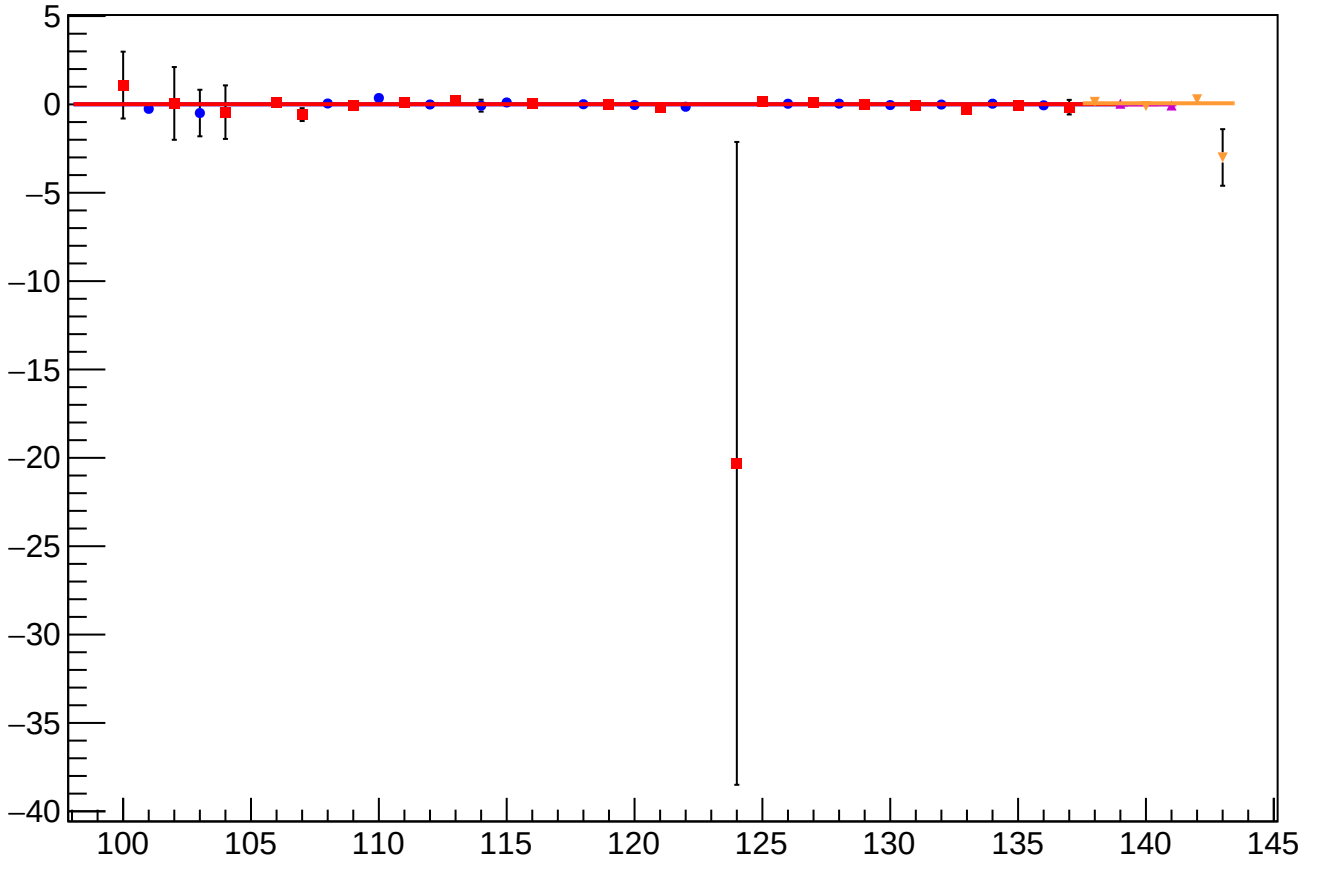
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 61.012+/-0.036 χ^2/NDF:21252.6/1

+ sign 63.638+/-0.017 χ^2/NDF: 4272164.0/19

All: 59.389+/-0.012 χ^2/NDF: 7956666.8/40

- sign 55.643+/-0.016 χ^2/NDF: 3571239.2/20



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

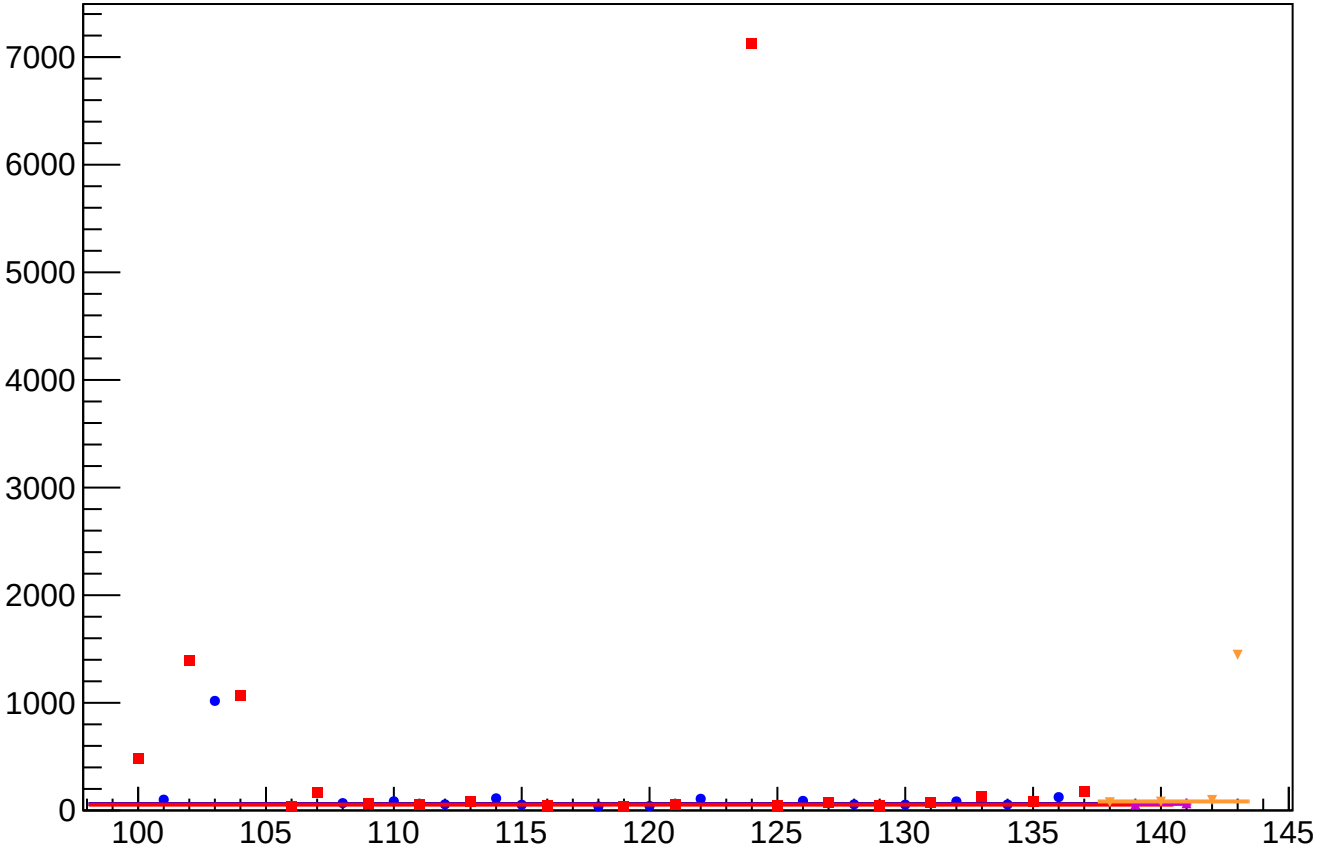
Left In: -0.005+/-0.051 χ^2/NDF:1.0/1

+ sign 0.014+/-0.024 χ^2/NDF: 21.3/19

All: 0.011+/-0.017 χ^2/NDF: 40.0/40

- sign 0.009+/-0.023 χ^2/NDF: 18.6/20

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 83.625+/-0.043 χ^2/NDF:1480154.0/3

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

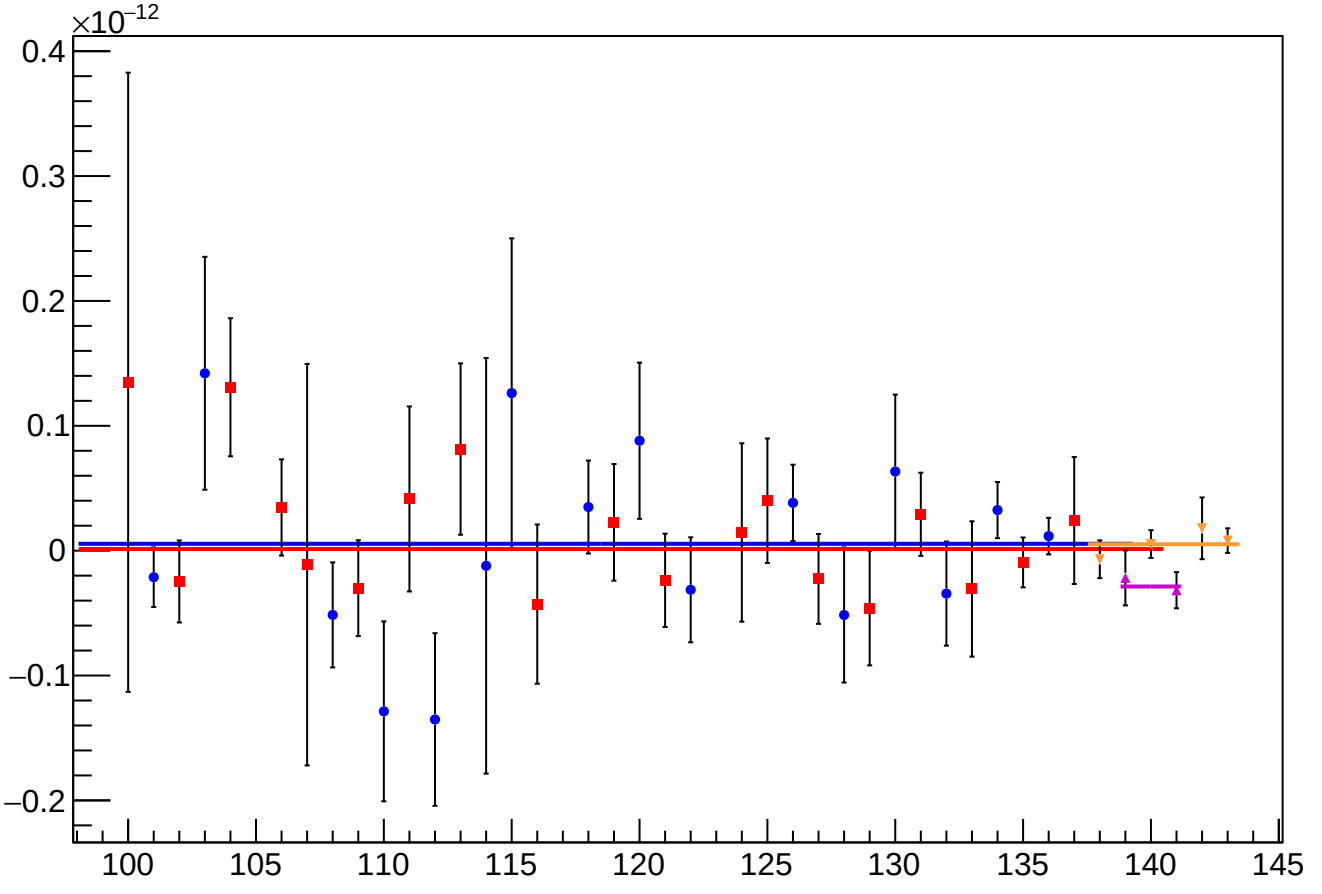
Left In: 61.012+/-0.036 χ^2/NDF:21252.6/1

+ sign 63.638+/-0.017 χ^2/NDF: 4272164.0/19

All: 59.389+/-0.012 χ^2/NDF: 7956666.8/40

- sign 55.643+/-0.016 χ^2/NDF: 3571239.2/20

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:1.0/3

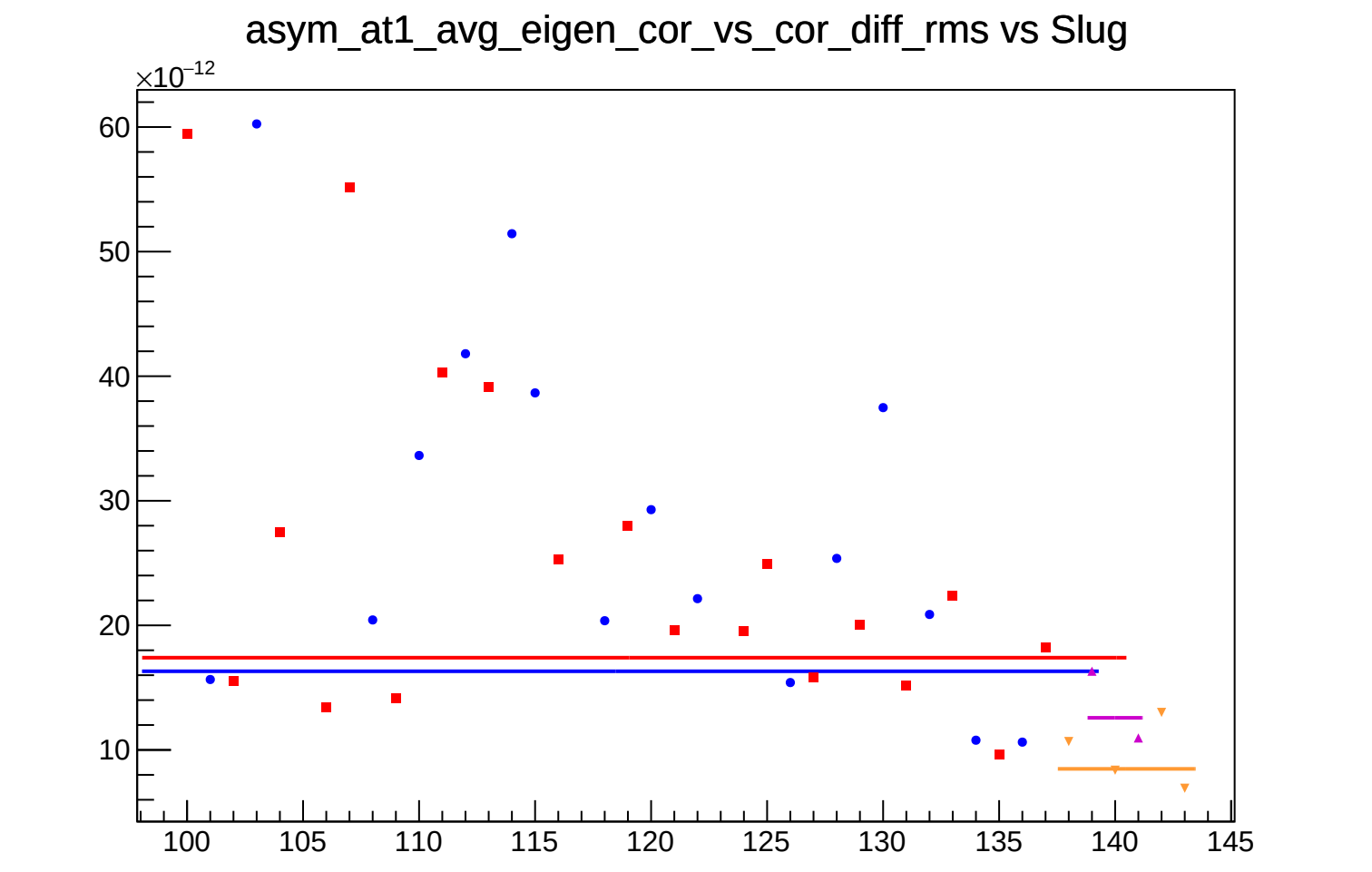
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

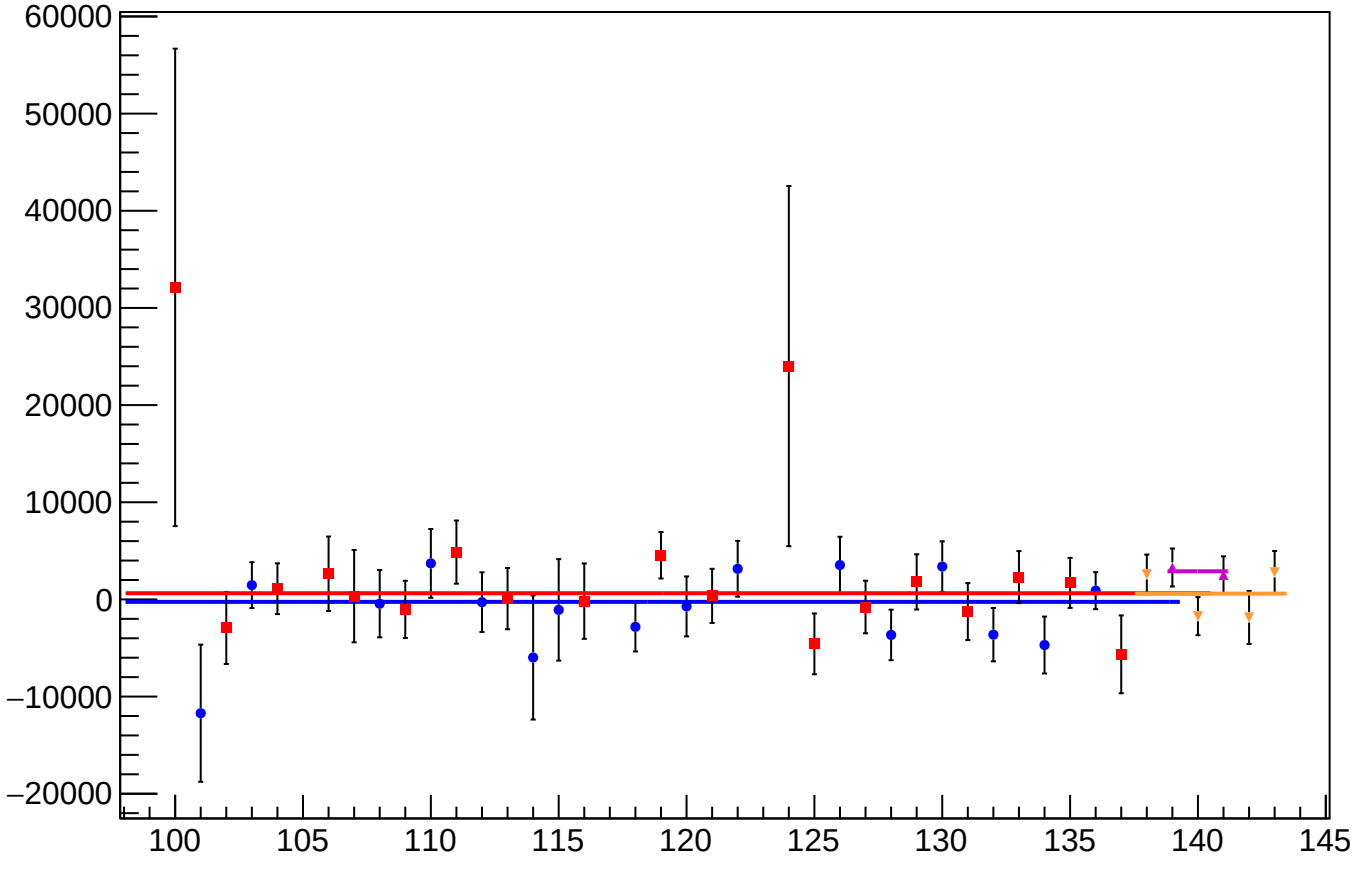
+ sign 0.000+/-0.000 χ^2/NDF: 23.6/19

All: 0.000+/-0.000 χ^2/NDF: 44.7/40

- sign -0.000+/-0.000 χ^2/NDF: 18.2/20


asym_at1_avg_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: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:159759.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:82737.8/1
+ sign 0.000+/-0.000 χ²/NDF: 3115834.3/19
All: 0.000+/-0.000 χ²/NDF: 5016081.0/40
- sign 0.000+/-0.000 χ²/NDF: 1472398.7/20

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 594.640+/-1089.401 χ^2/NDF:4.1/3

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

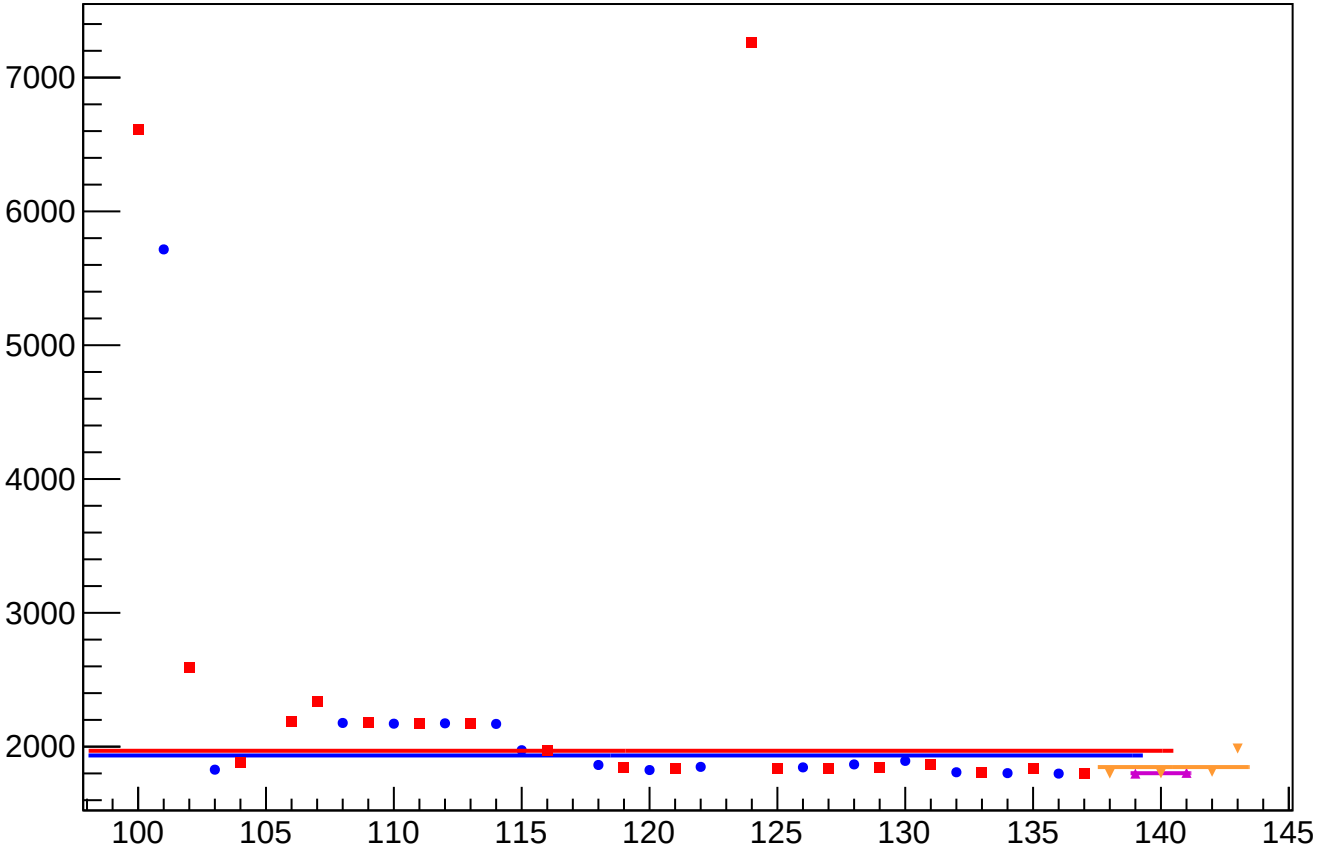
Left In: 2894.460+/-1369.039 χ^2/NDF:0.1/1

+ sign 13.374+/-609.357 χ^2/NDF: 21.8/19

All: 543.065+/-443.882 χ^2/NDF: 41.5/40

- sign 1141.887+/-647.901 χ^2/NDF: 18.1/20

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

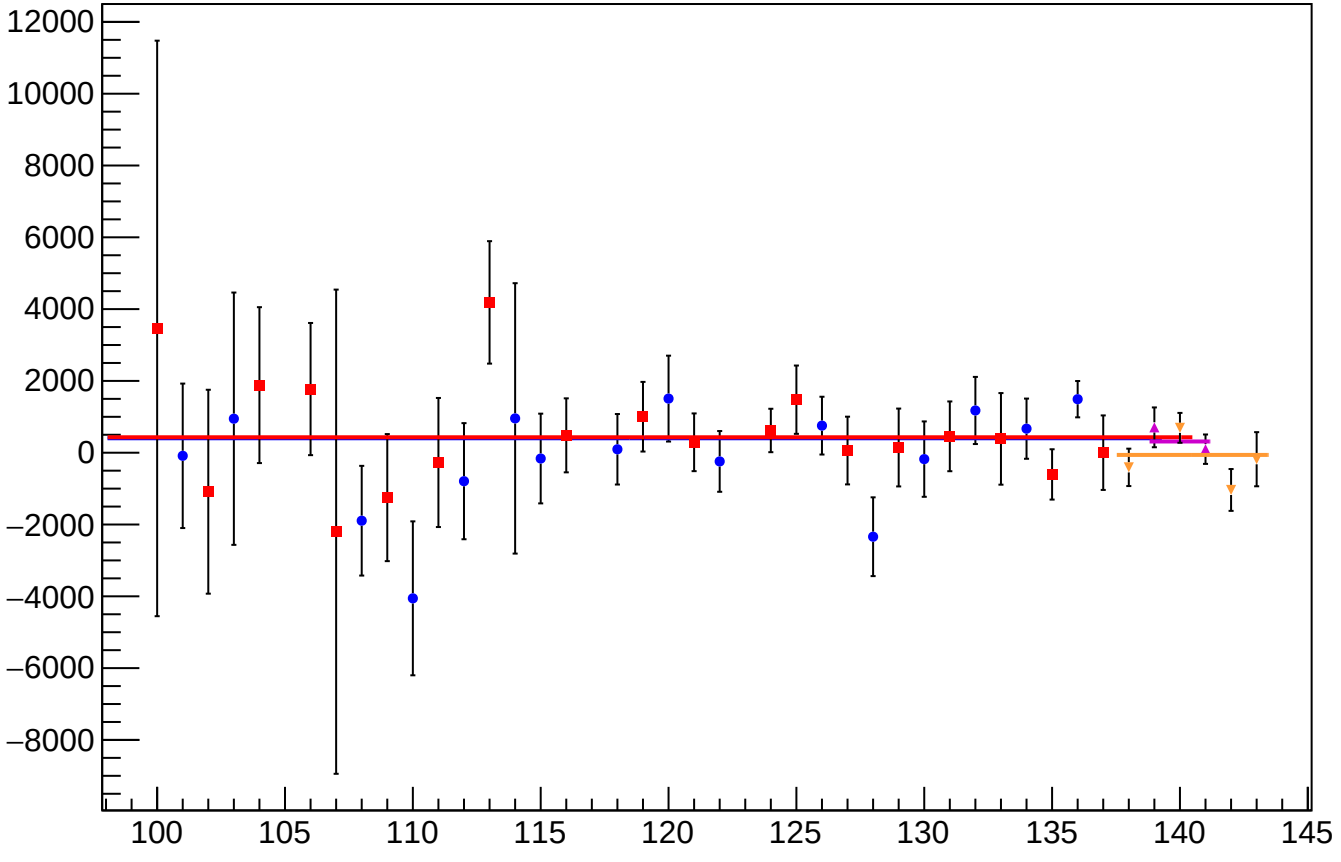
Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

+ sign 1907.078+/-0.431 χ^2/NDF: 659169.2/19

All: 1918.623+/-0.314 χ^2/NDF: 1062337.6/40

- sign 1931.675+/-0.458 χ^2/NDF: 401638.9/20

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: -61.407+/-265.622 χ^2/NDF:6.6/3

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

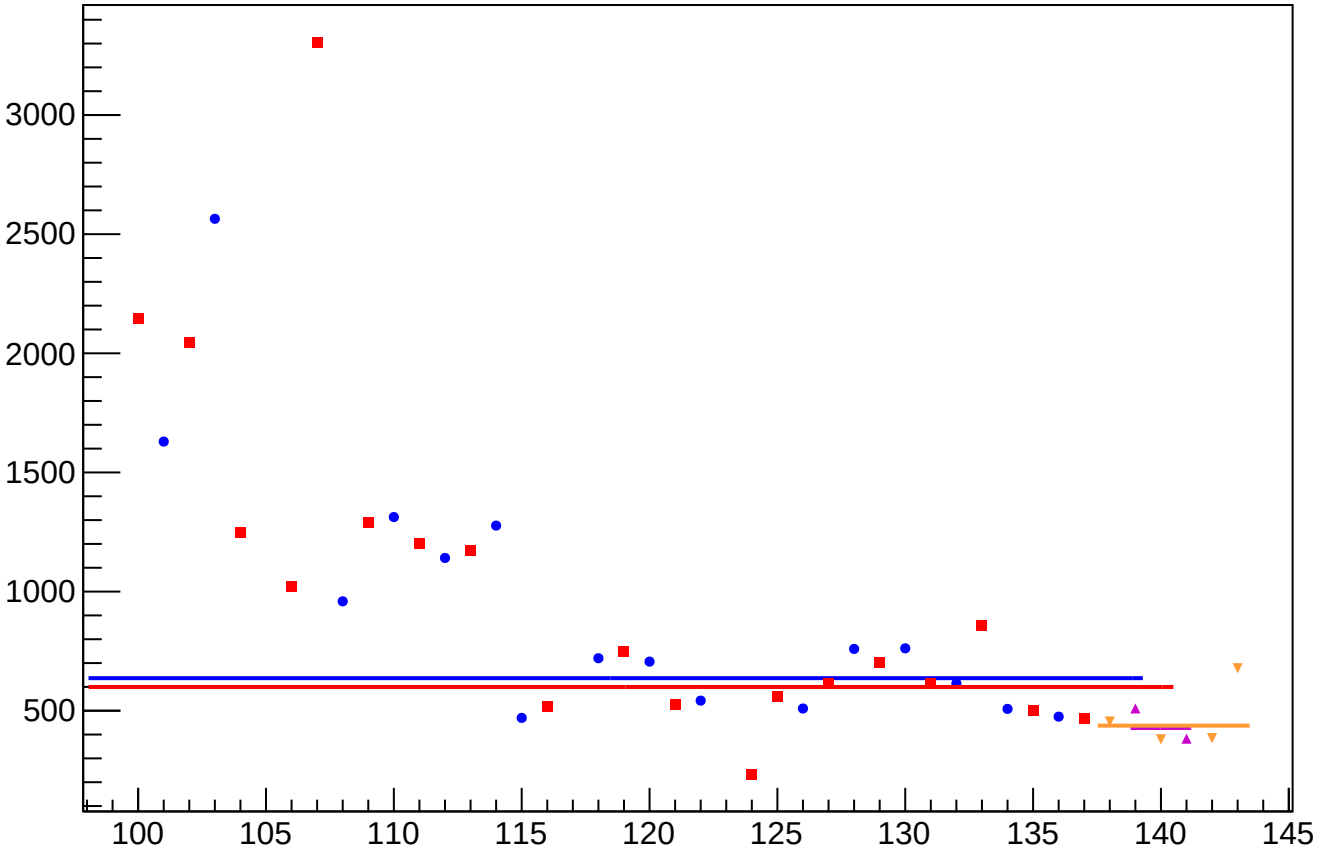
Left In: 312.988+/-329.500 χ^2/NDF:0.8/1

+ sign 176.847+/-185.281 χ^2/NDF: 29.3/19

All: 273.456+/-136.102 χ^2/NDF: 42.4/40

- sign 386.681+/-200.581 χ^2/NDF: 12.6/20

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 437.408+/-0.188 χ^2/NDF:260939.7/3

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

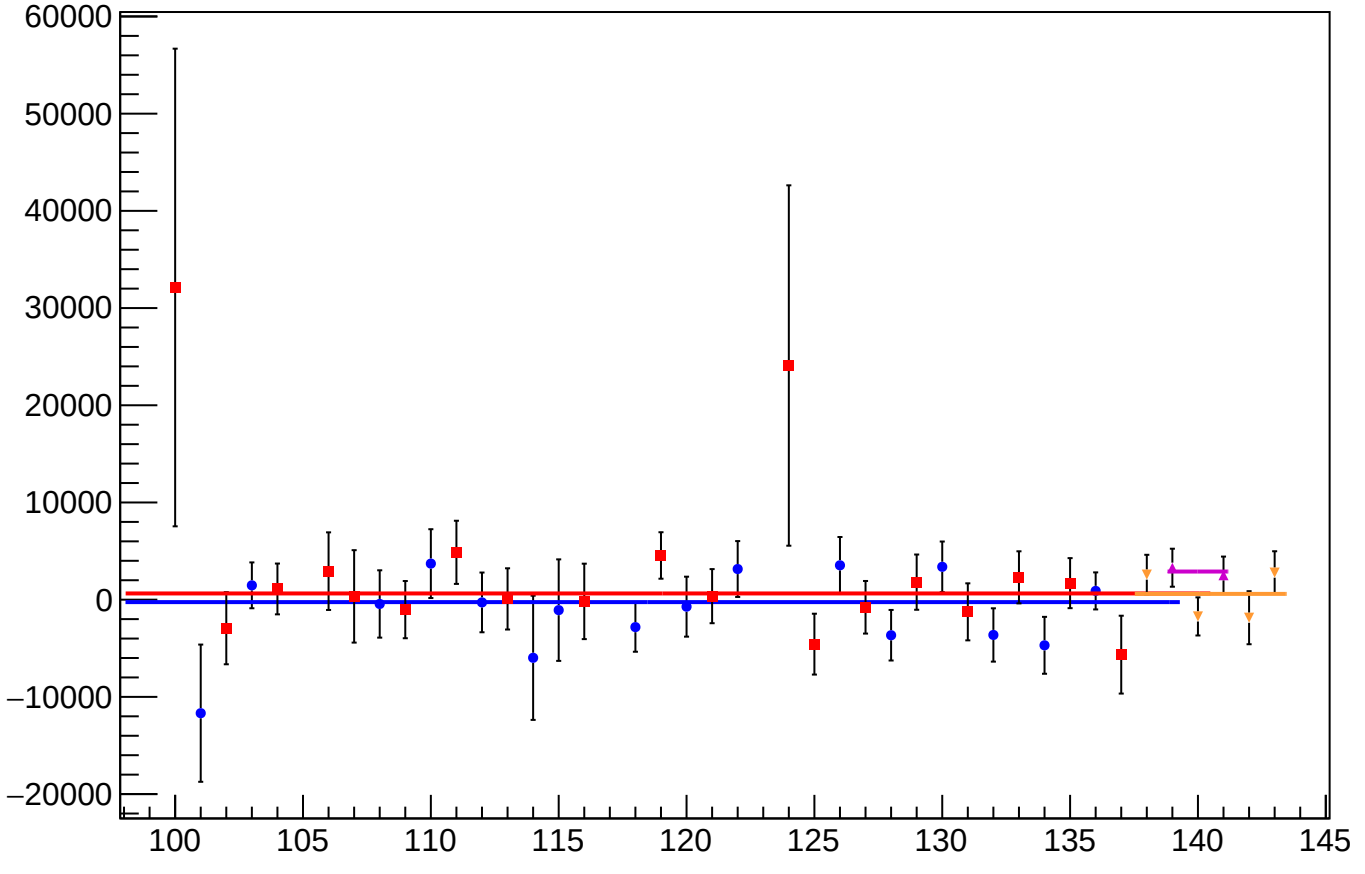
Left In: 427.579+/-0.233 χ^2/NDF:67639.4/1

+ sign 539.733+/-0.131 χ^2/NDF: 2905894.4/19

All: 537.956+/-0.096 χ^2/NDF: 6261265.2/40

- sign 535.874+/-0.142 χ^2/NDF: 3354971.4/20

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 594.578+/-1089.401 χ^2/NDF:4.1/3

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

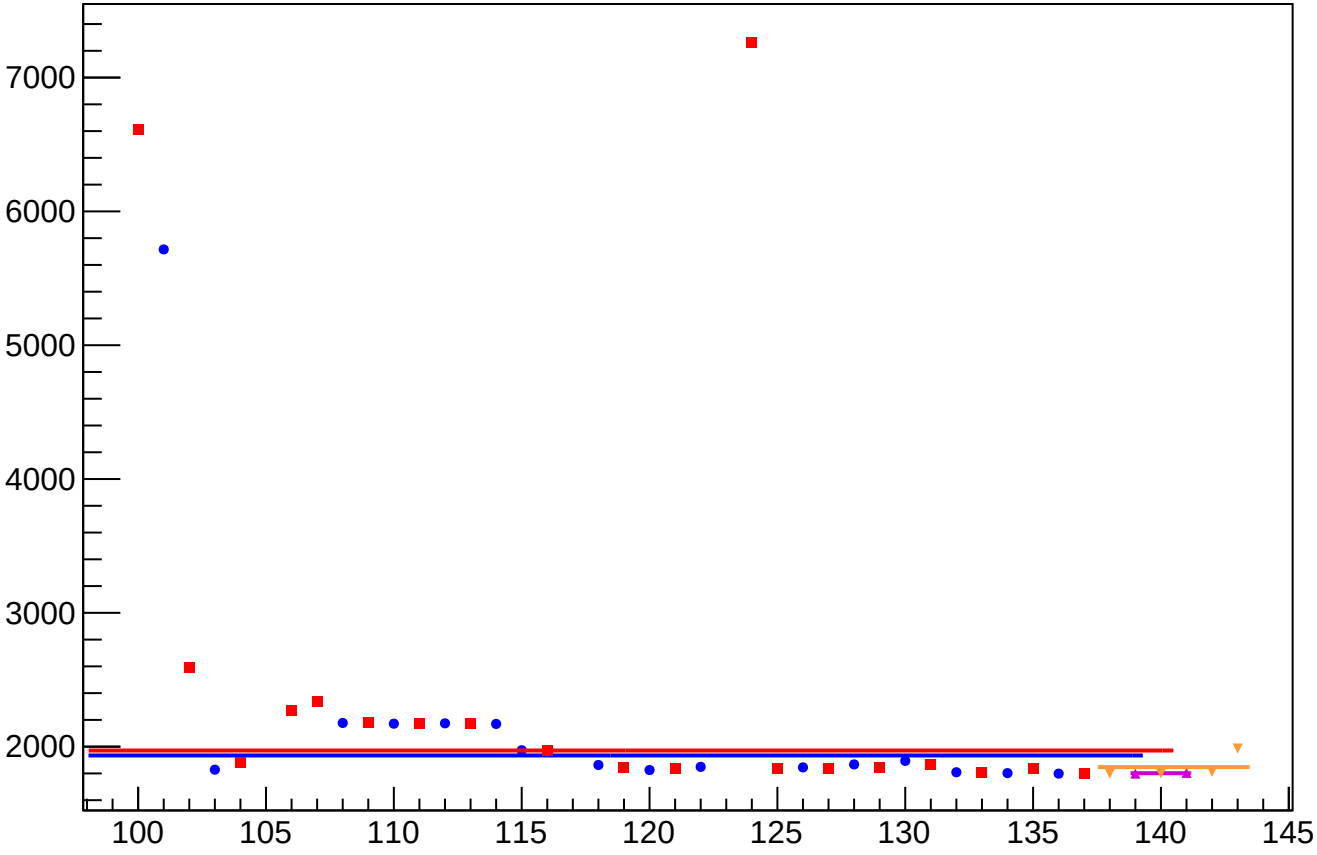
Left In: 2894.450+/-1369.039 χ^2/NDF:0.1/1

+ sign 13.911+/-609.357 χ^2/NDF: 21.8/19

All: 544.990+/-444.117 χ^2/NDF: 41.6/40

- sign 1146.737+/-648.634 χ^2/NDF: 18.1/20

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

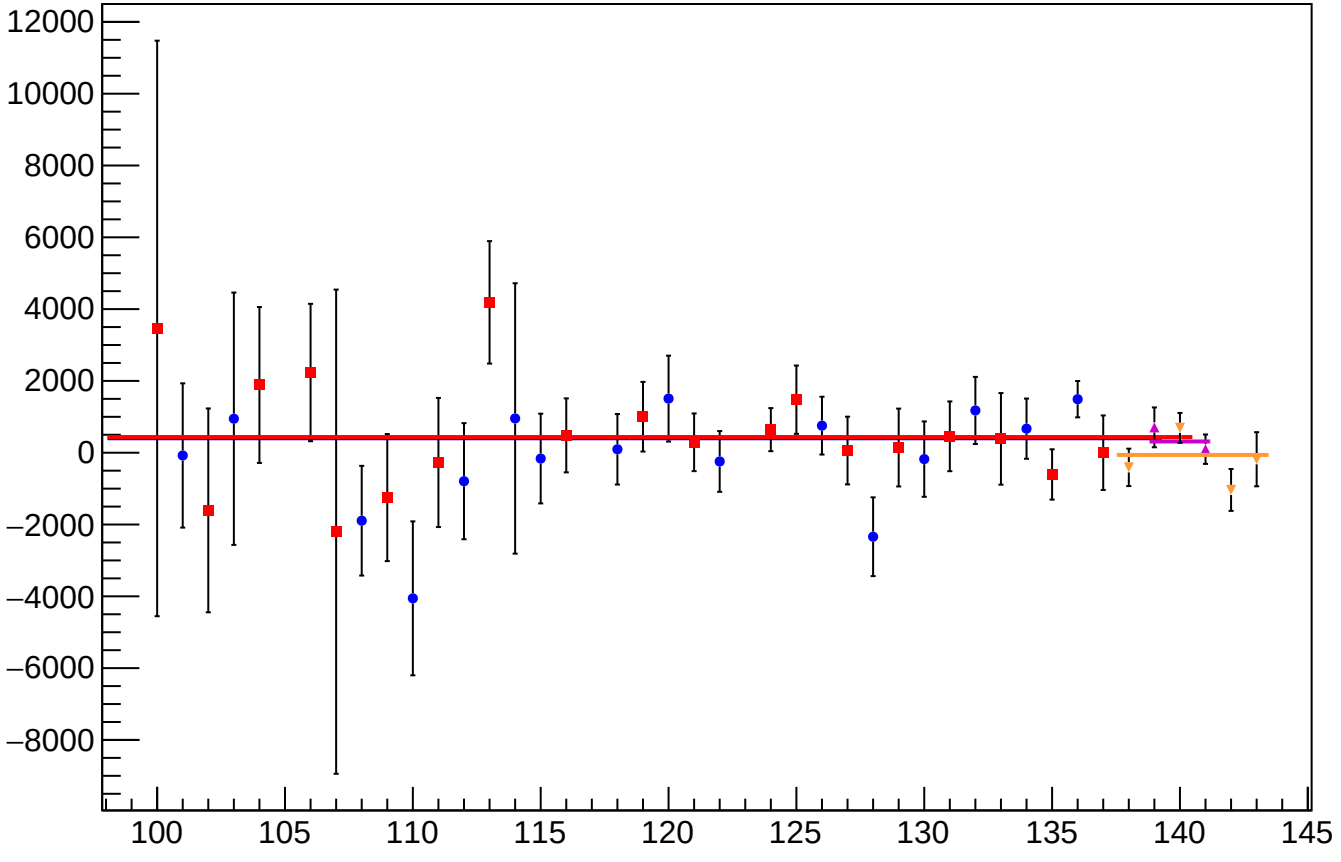
Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

+ sign 1907.078+/-0.431 χ^2/NDF: 659169.1/19

All: 1919.352+/-0.314 χ^2/NDF: 1067922.3/40

- sign 1933.260+/-0.459 χ^2/NDF: 407022.3/20

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: -61.522+/-265.630 χ^2/NDF:6.6/3

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

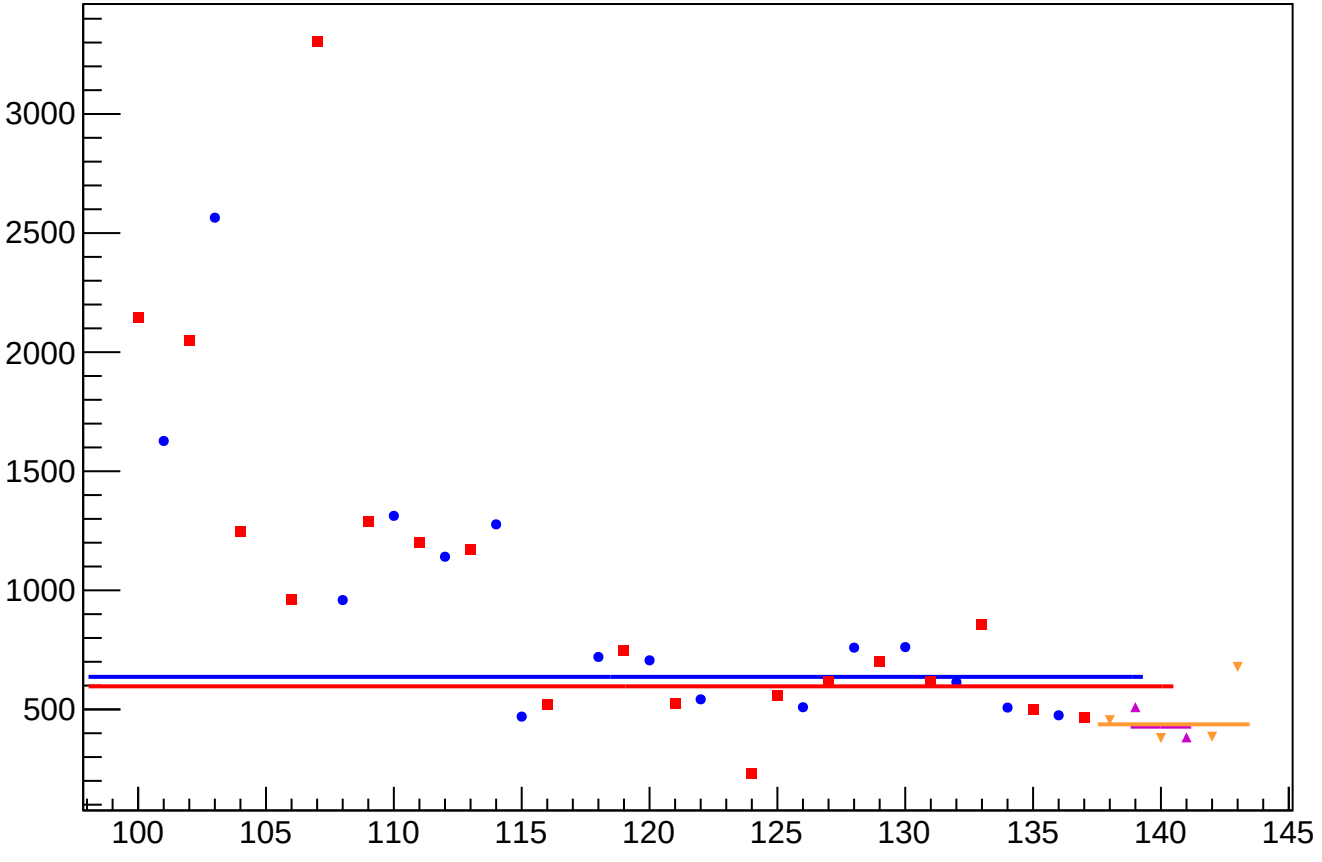
Left In: 313.115+/-329.491 χ^2/NDF:0.8/1

\+ sign 176.847+/-185.280 χ^2/NDF: 29.3/19

All: 275.454+/-136.077 χ^2/NDF: 43.1/40

\- sign 390.931+/-200.504 χ^2/NDF: 13.2/20

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.423+/-0.188 χ^2/NDF:260906.5/3

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

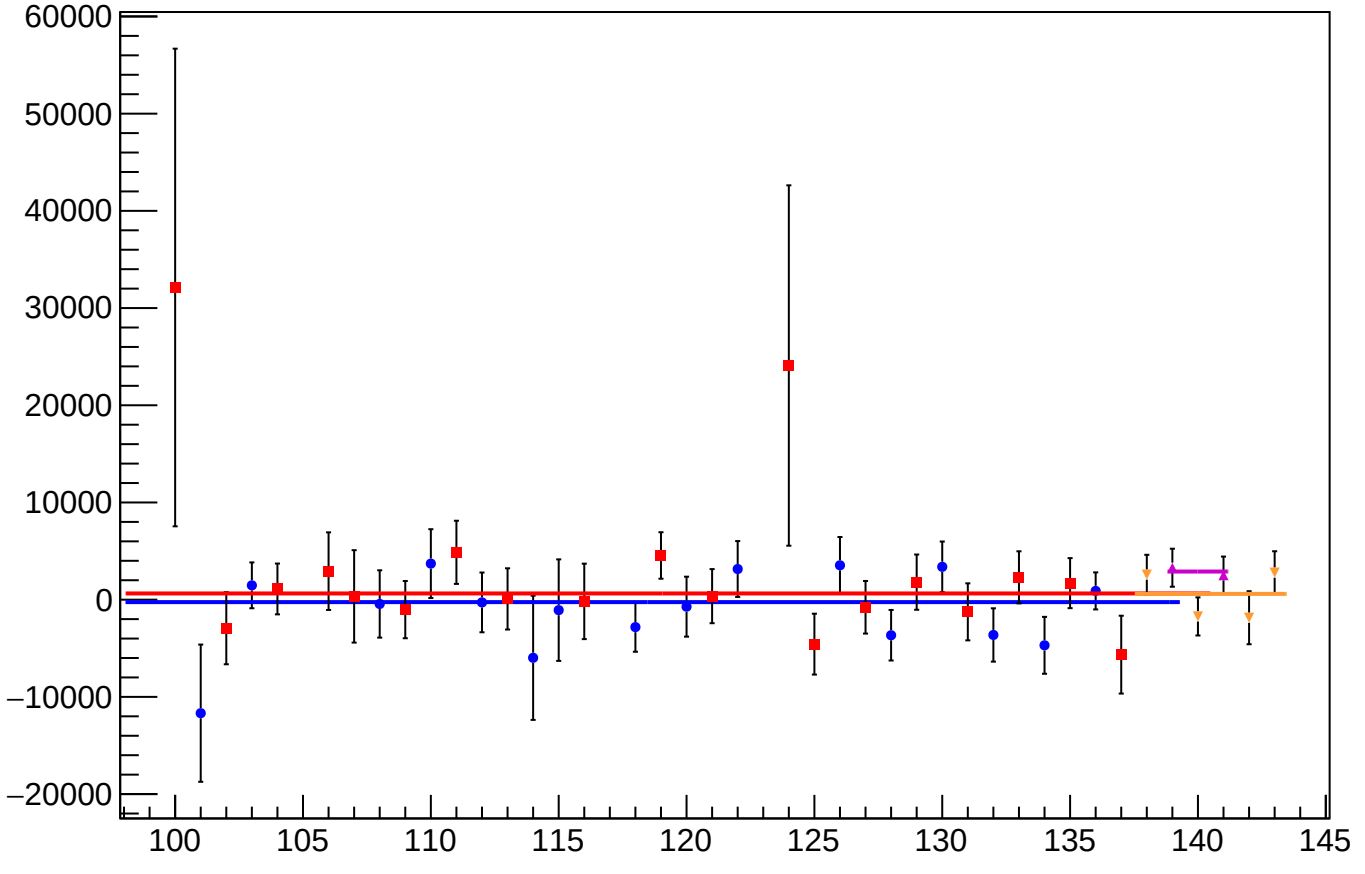
Left In: 427.566+/-0.233 χ^2/NDF:67634.1/1

+ sign 539.746+/-0.131 χ^2/NDF: 2904896.2/19

All: 537.178+/-0.096 χ^2/NDF: 6236288.3/40

- sign 534.171+/-0.142 χ^2/NDF: 3330557.9/20

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 594.578+/-1089.401 χ^2/NDF:4.1/3

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

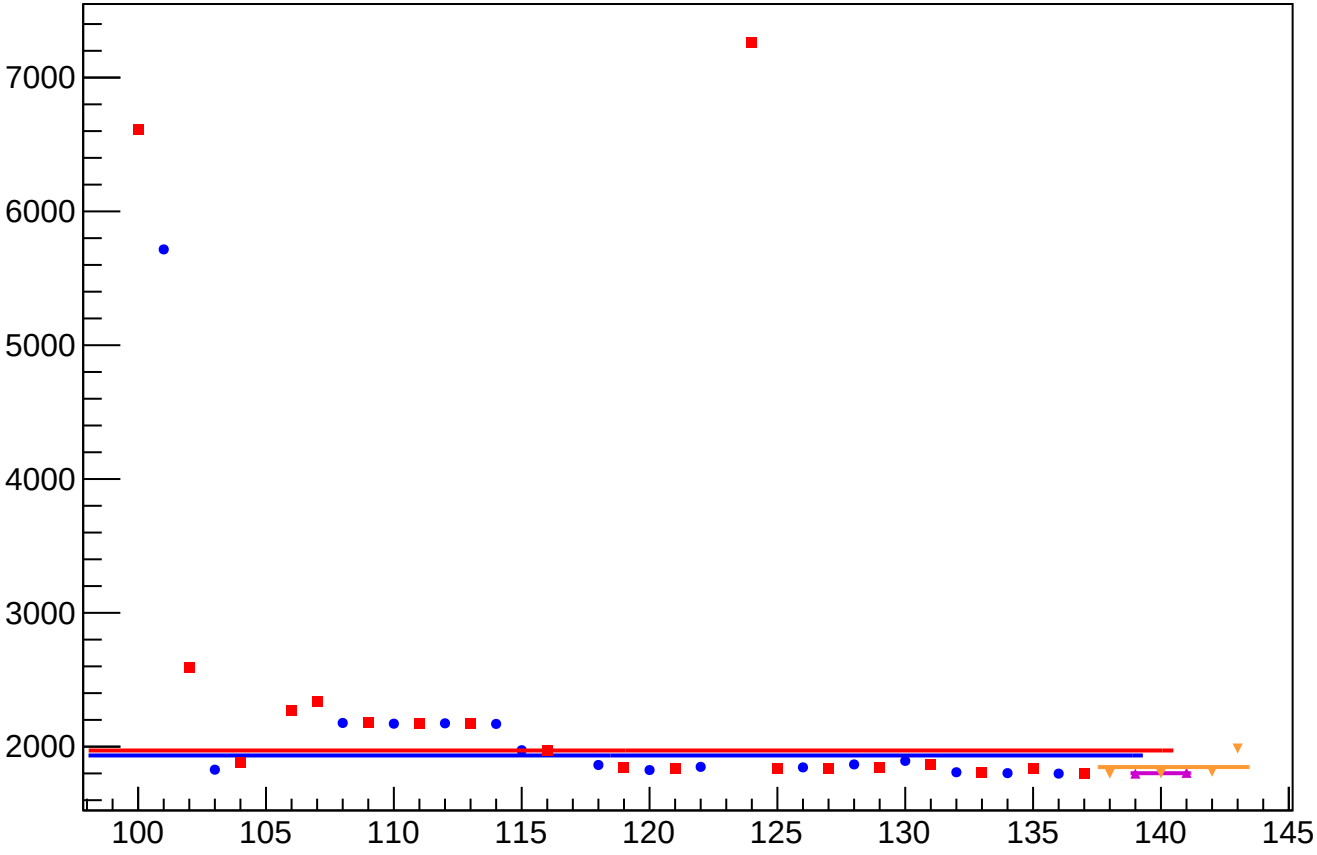
Left In: 2894.450+/-1369.039 χ^2/NDF:0.1/1

+ sign 13.911+/-609.357 χ^2/NDF: 21.8/19

All: 544.990+/-444.117 χ^2/NDF: 41.6/40

- sign 1146.737+/-648.634 χ^2/NDF: 18.1/20

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

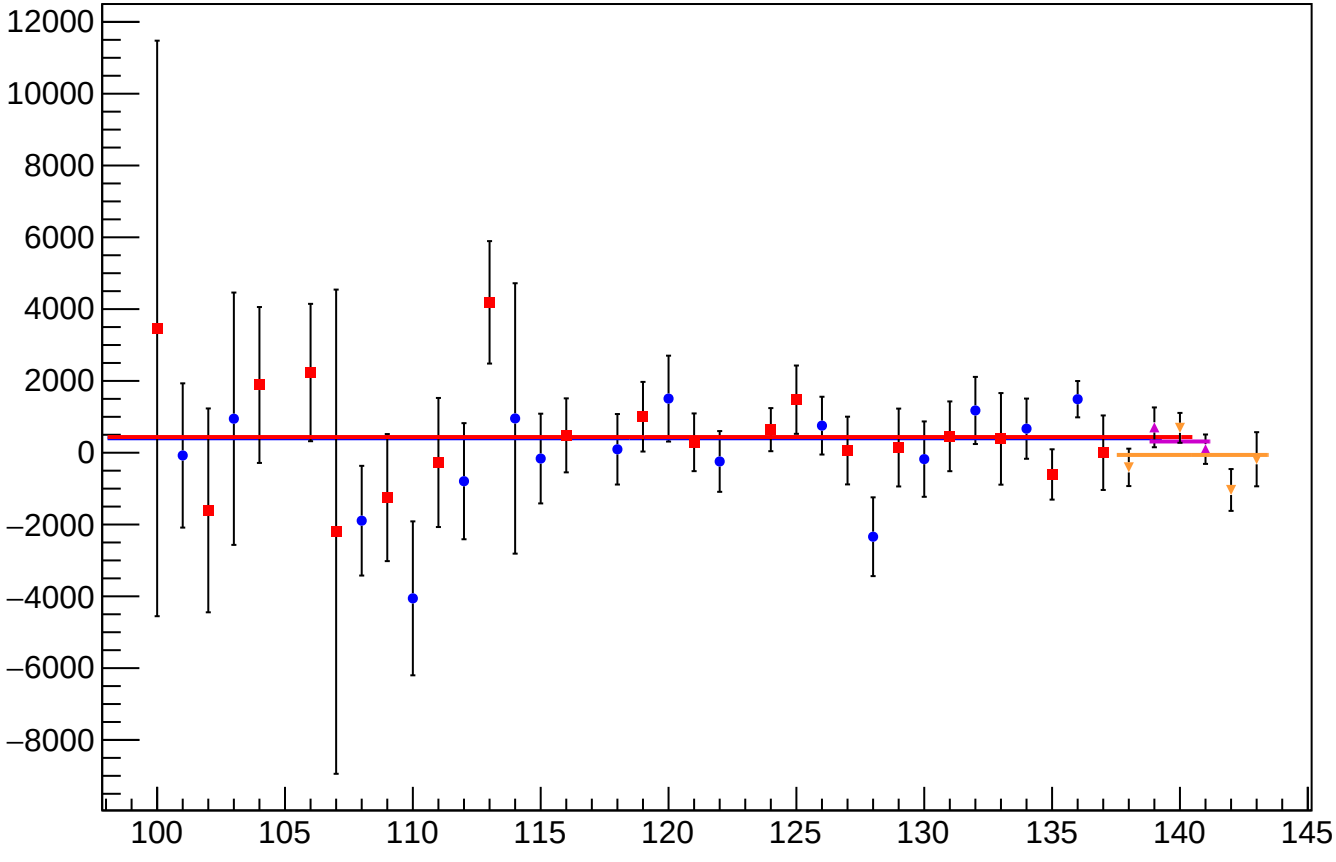
Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

+ sign 1907.078+/-0.431 χ^2/NDF: 659169.1/19

All: 1919.352+/-0.314 χ^2/NDF: 1067922.3/40

- sign 1933.260+/-0.459 χ^2/NDF: 407022.3/20

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: -61.522+/-265.630 χ^2/NDF:6.6/3

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

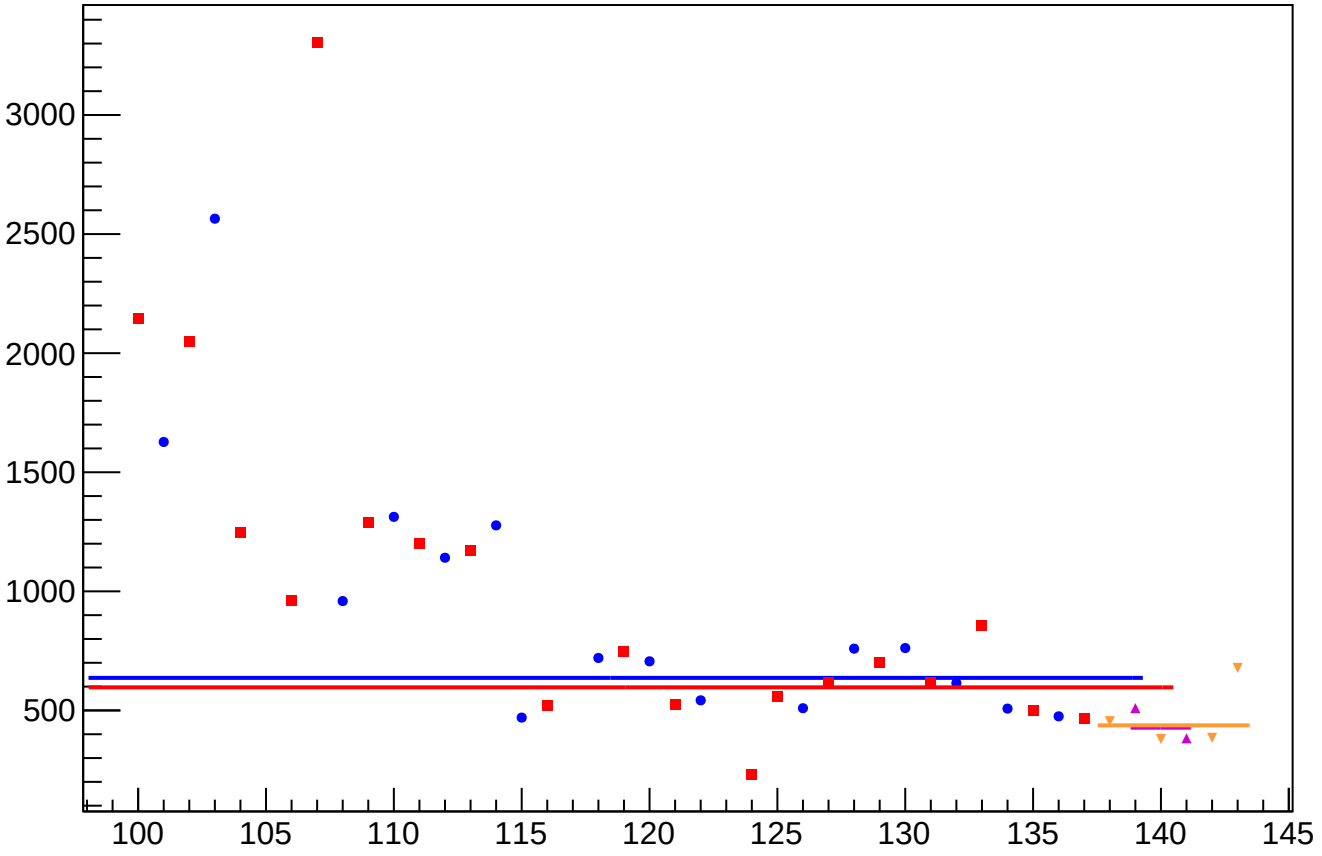
Left In: 313.115+/-329.491 χ^2/NDF:0.8/1

\+ sign 176.847+/-185.280 χ^2/NDF: 29.3/19

All: 275.454+/-136.077 χ^2/NDF: 43.1/40

\- sign 390.931+/-200.504 χ^2/NDF: 13.2/20

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.423+/-0.188 χ^2/NDF:260906.5/3

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

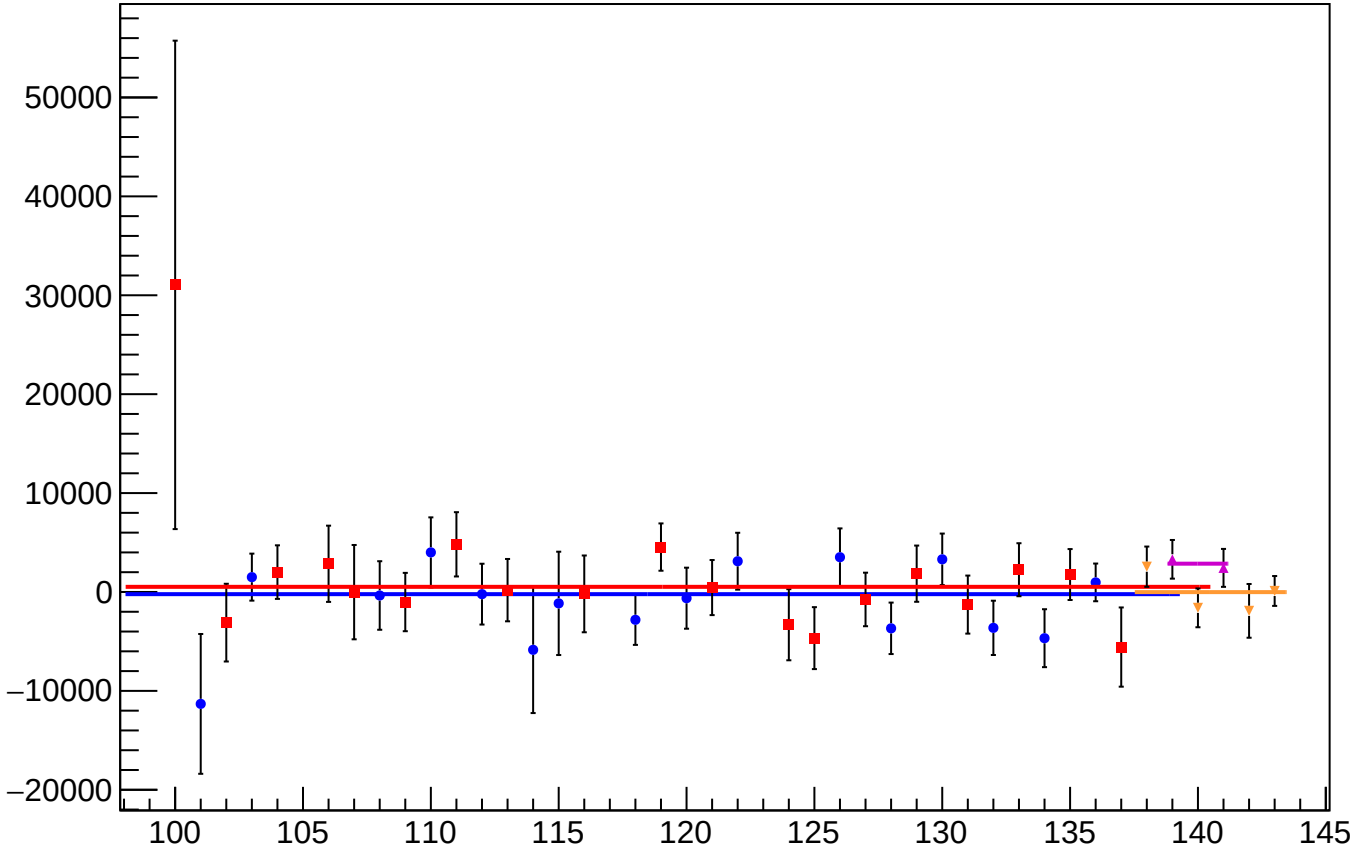
Left In: 427.566+/-0.233 χ^2/NDF:67634.1/1

+ sign 539.746+/-0.131 χ^2/NDF: 2904896.2/19

All: 537.178+/-0.096 χ^2/NDF: 6236288.3/40

- sign 534.171+/-0.142 χ^2/NDF: 3330557.9/20

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -13.968+/-964.473 χ^2/NDF:2.7/3

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

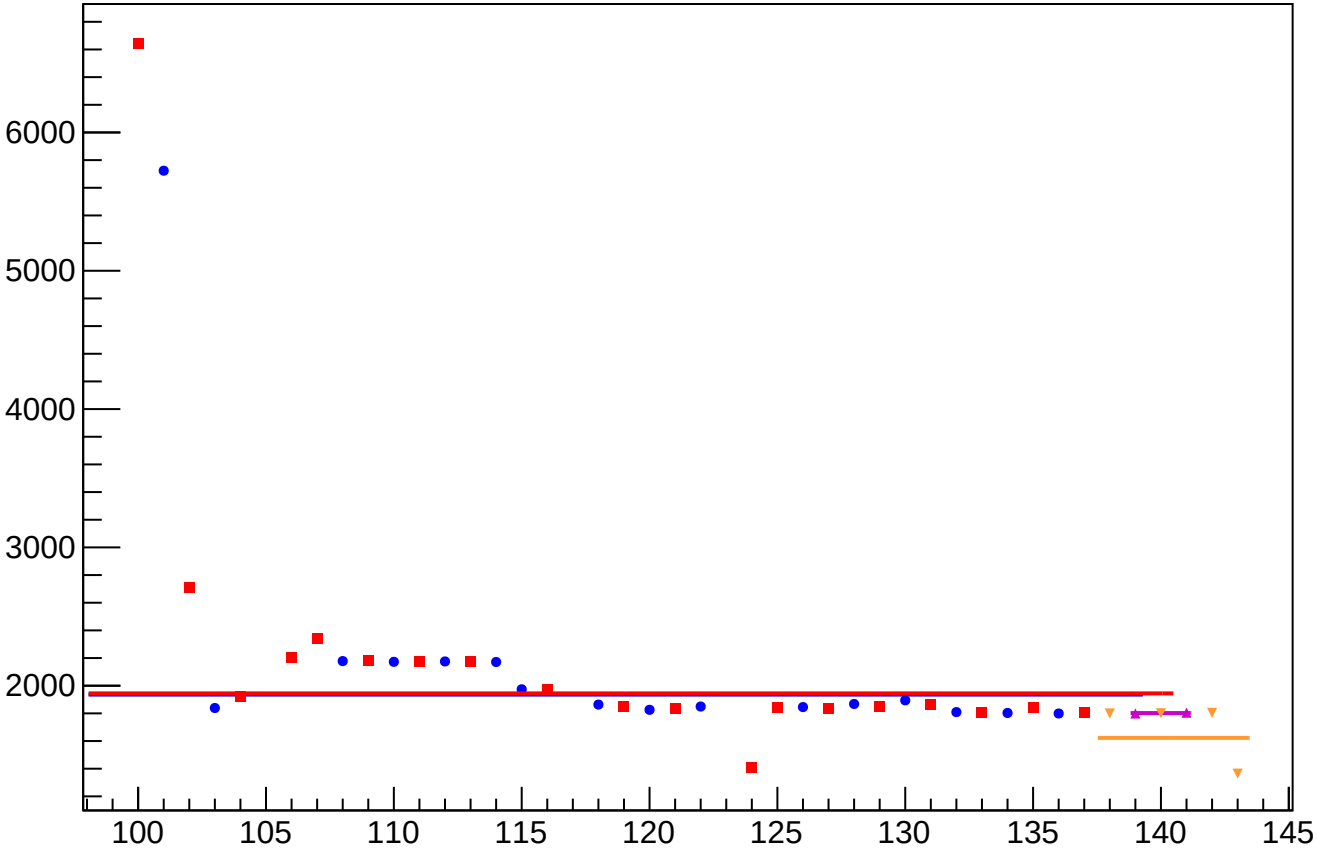
Left In: 2861.193+/-1369.454 χ^2/NDF:0.1/1

+ sign -144.438+/-585.041 χ^2/NDF: 19.9/19

All: 390.764+/-432.036 χ^2/NDF: 39.7/40

- sign 1032.711+/-640.733 χ^2/NDF: 18.0/20

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1622.821+/-0.682 χ^2/NDF:99088.0/3

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

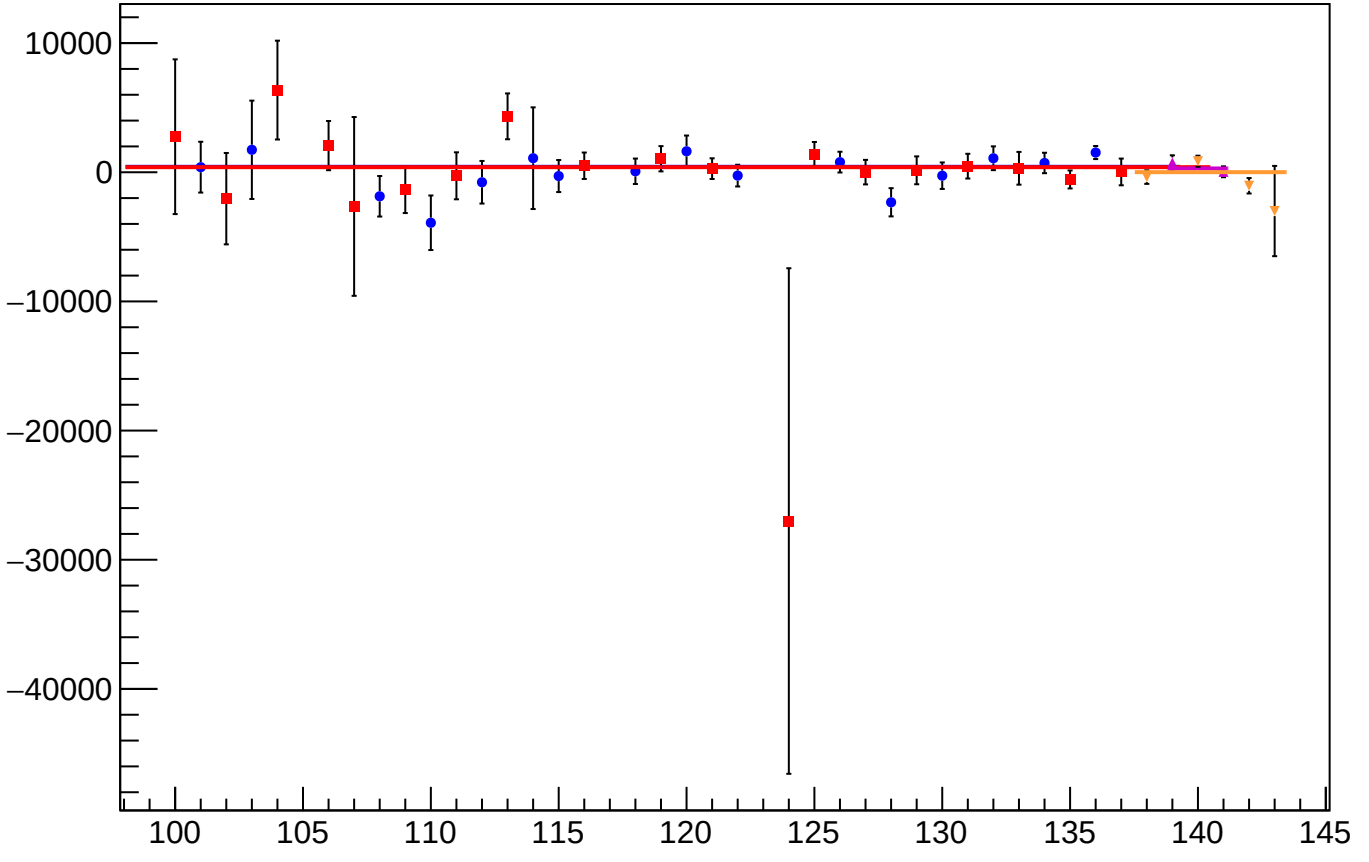
Left In: 1802.185+/-0.968 χ^2/NDF:8.7/1

+ sign 1820.748+/-0.414 χ^2/NDF: 872160.0/19

All: 1862.847+/-0.305 χ^2/NDF: 1188039.5/40

- sign 1913.342+/-0.453 χ^2/NDF: 293102.1/20

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 7.139+/-289.068 χ^2/NDF:8.3/3

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

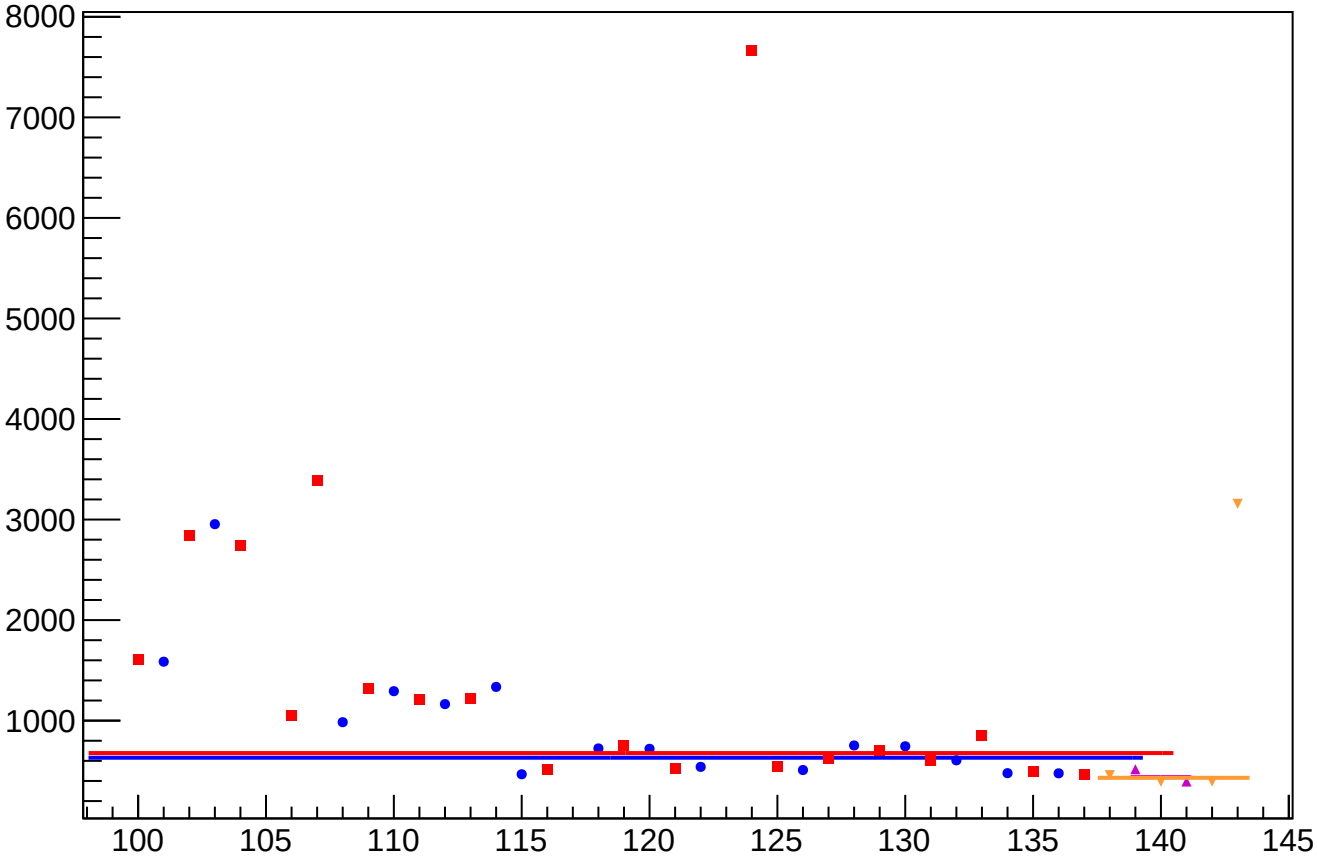
Left In: 293.891+/-337.322 χ^2/NDF:1.0/1

+ sign 238.571+/-191.963 χ^2/NDF: 30.9/19

All: 289.261+/-143.266 χ^2/NDF: 48.0/40

- sign 352.995+/-215.248 χ^2/NDF: 16.9/20

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 431.353+/-0.204 χ^2/NDF:1246730.7/3

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

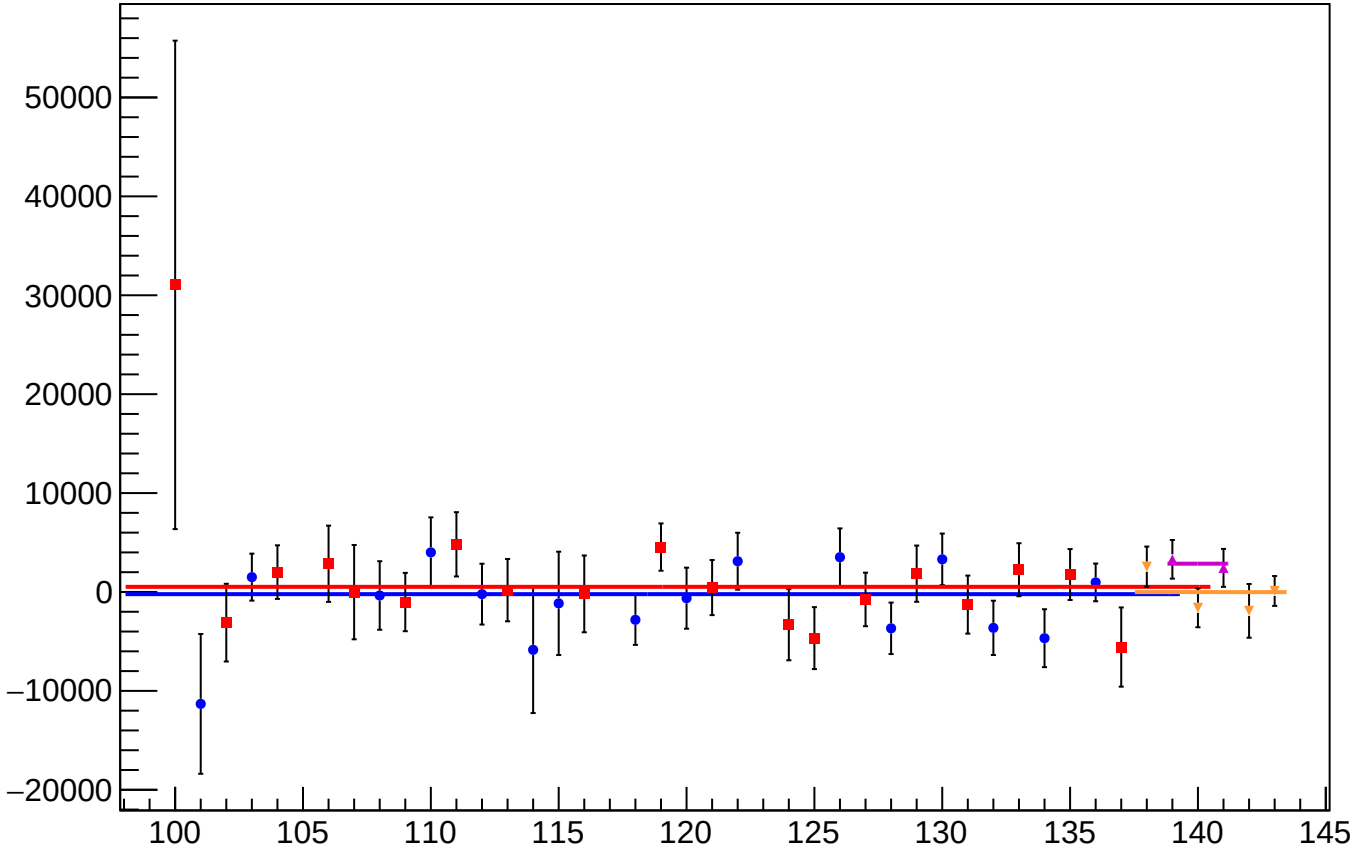
Left In: 438.801+/-0.239 χ^2/NDF:60318.1/1

+ sign 543.035+/-0.136 χ^2/NDF: 4015253.9/19

All: 559.530+/-0.101 χ^2/NDF: 7783857.8/40

- sign 580.269+/-0.152 χ^2/NDF: 3735270.1/20

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -13.970+/-964.473 χ^2/NDF:2.7/3

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

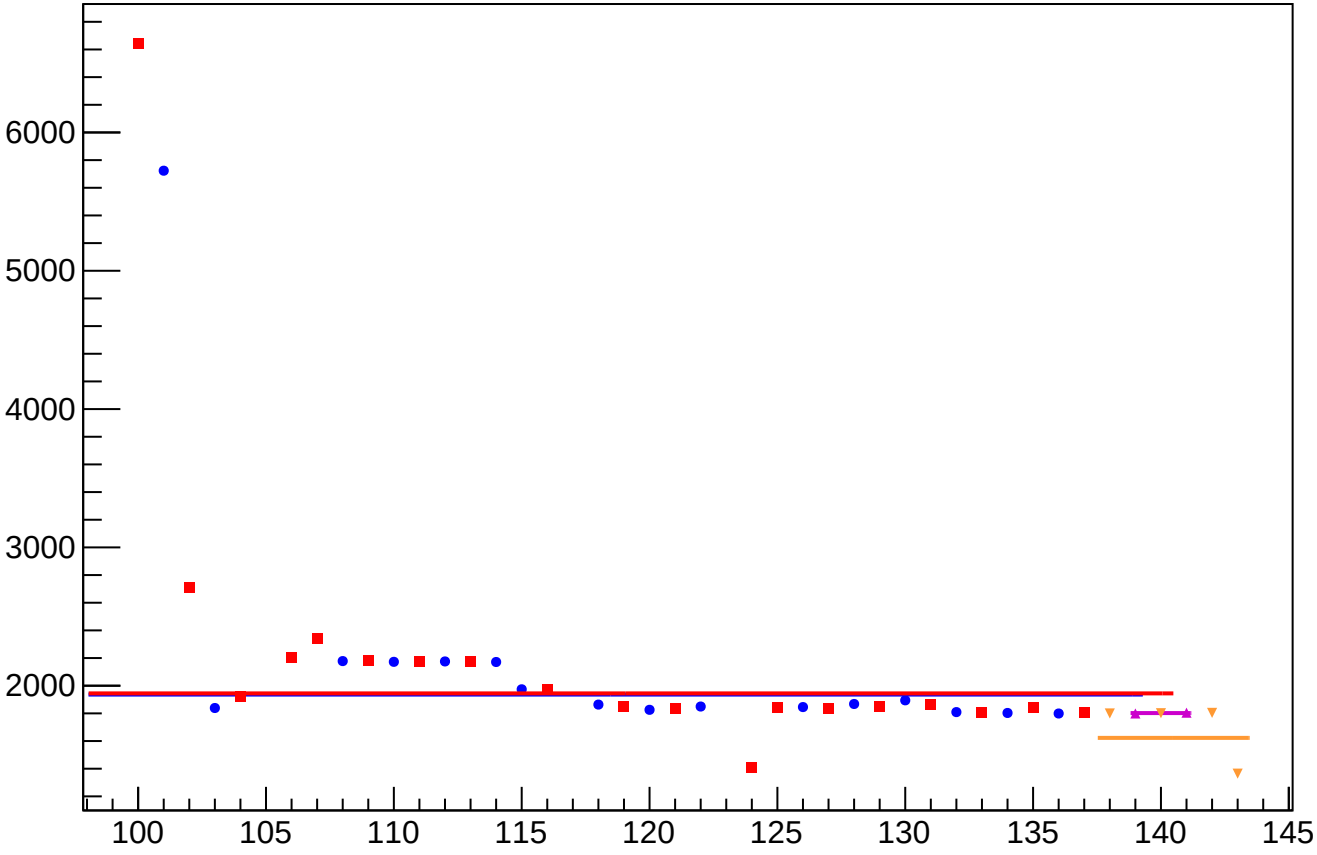
Left In: 2861.193+/-1369.454 χ^2/NDF:0.1/1

+ sign -144.439+/-585.041 χ^2/NDF: 19.9/19

All: 390.763+/-432.036 χ^2/NDF: 39.7/40

- sign 1032.711+/-640.733 χ^2/NDF: 18.0/20

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1622.821+/-0.682 χ^2/NDF:99088.0/3

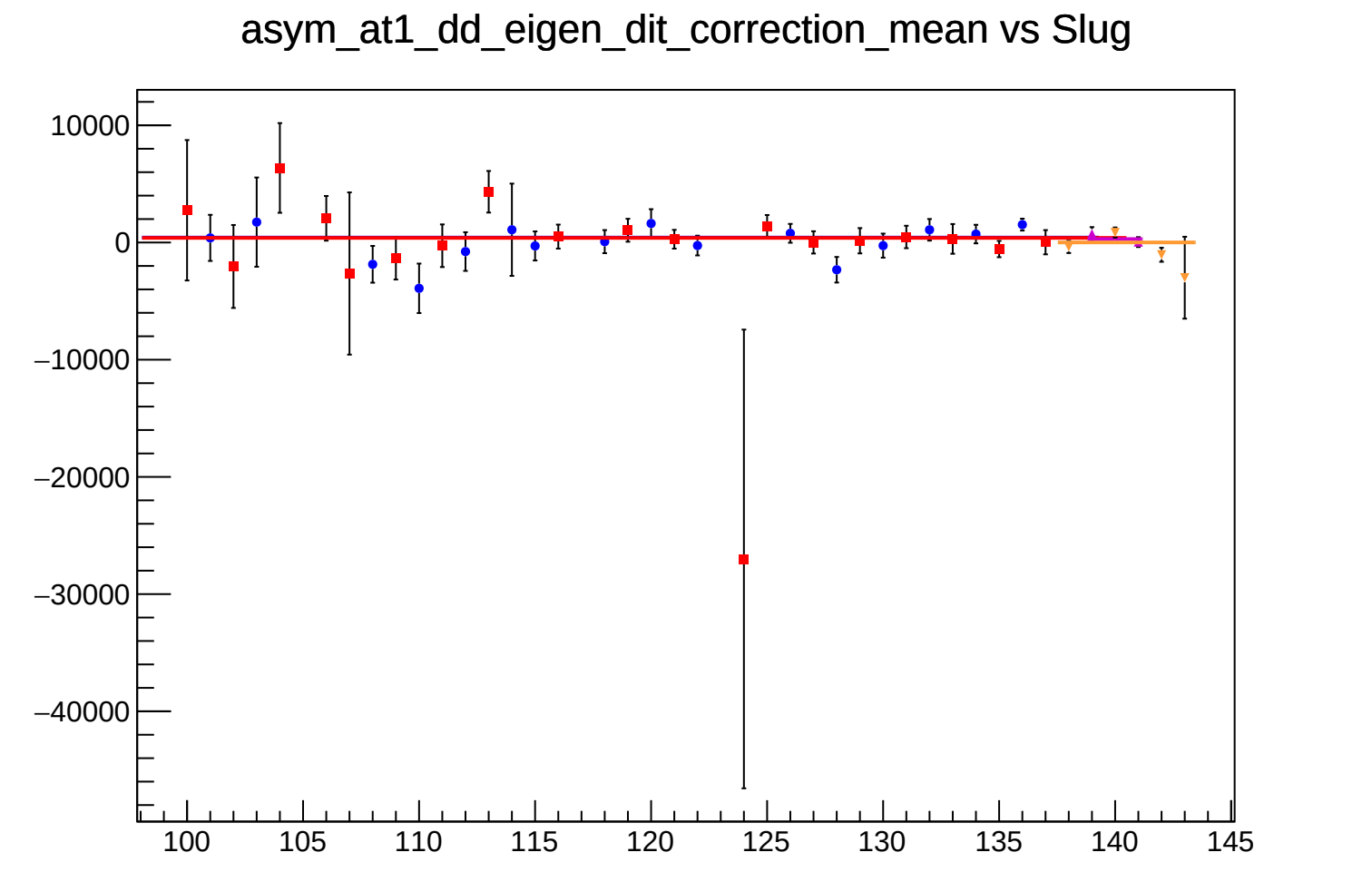
Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1802.185+/-0.968 χ^2/NDF:8.7/1

+ sign 1820.748+/-0.414 χ^2/NDF: 872159.9/19

All: 1862.847+/-0.305 χ^2/NDF: 1188039.3/40

- sign 1913.342+/-0.453 χ^2/NDF: 293101.9/20



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 7.140+/-289.068 χ^2/NDF:8.3/3

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

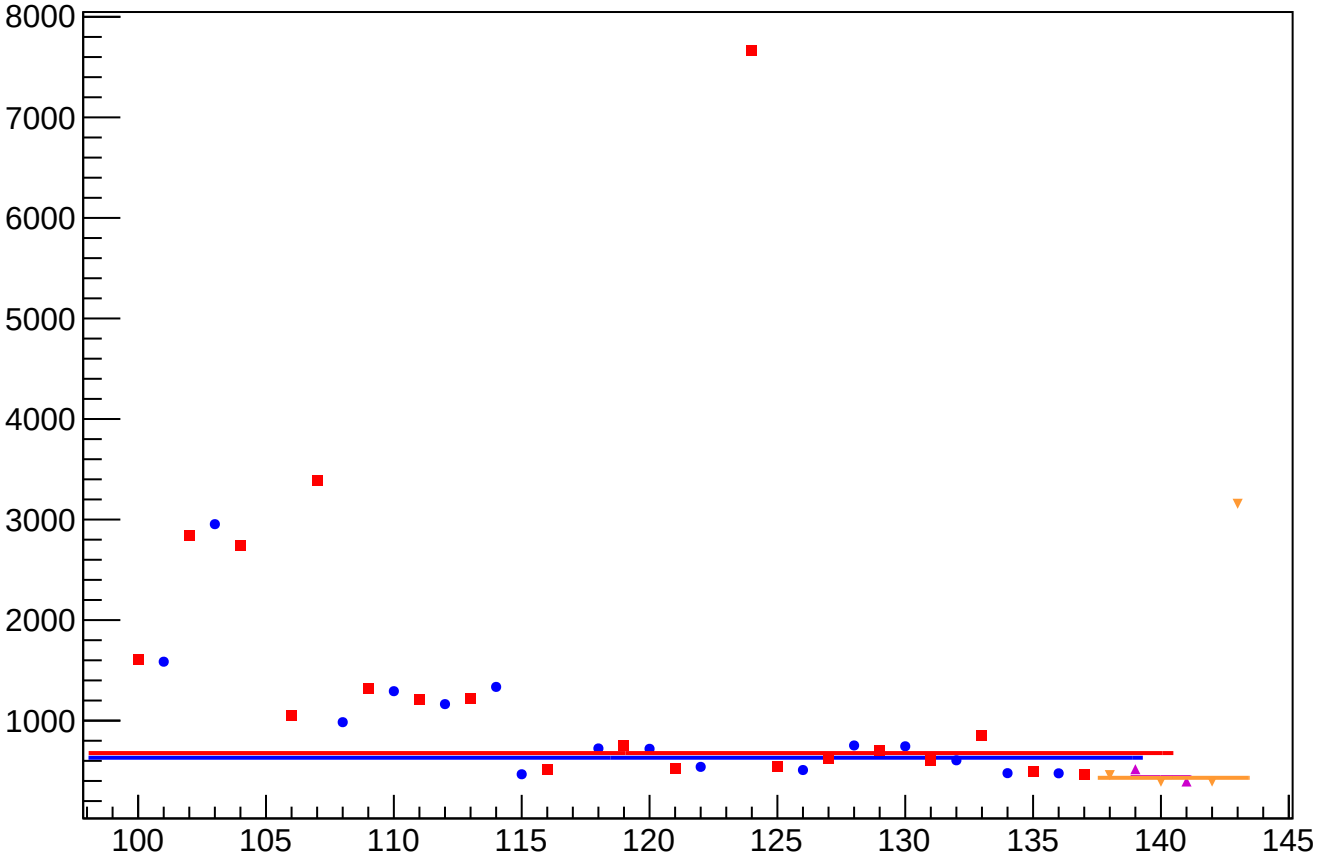
Left In: 293.891+/-337.321 χ^2/NDF:1.0/1

+ sign 238.571+/-191.963 χ^2/NDF: 30.9/19

All: 289.261+/-143.266 χ^2/NDF: 48.0/40

- sign 352.995+/-215.248 χ^2/NDF: 16.9/20

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 431.353+/-0.204 χ^2/NDF:1246730.1/3

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

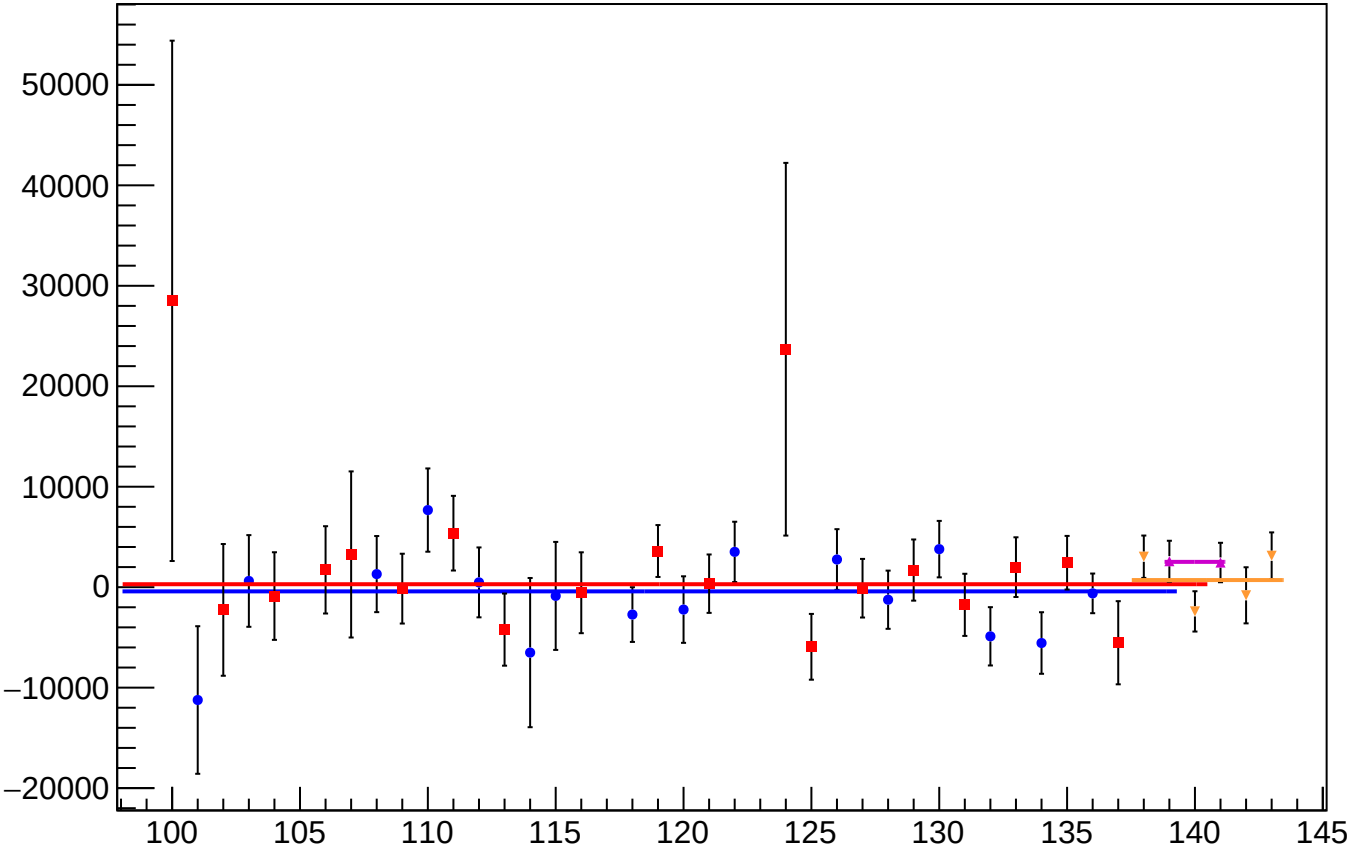
Left In: 438.801+/-0.239 χ^2/NDF:60318.5/1

+ sign 543.035+/-0.136 χ^2/NDF: 4015253.1/19

All: 559.529+/-0.101 χ^2/NDF: 7783862.1/40

- sign 580.268+/-0.152 χ^2/NDF: 3735275.9/20

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: 708.295+/-1127.640 χ^2/NDF:5.0/3

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

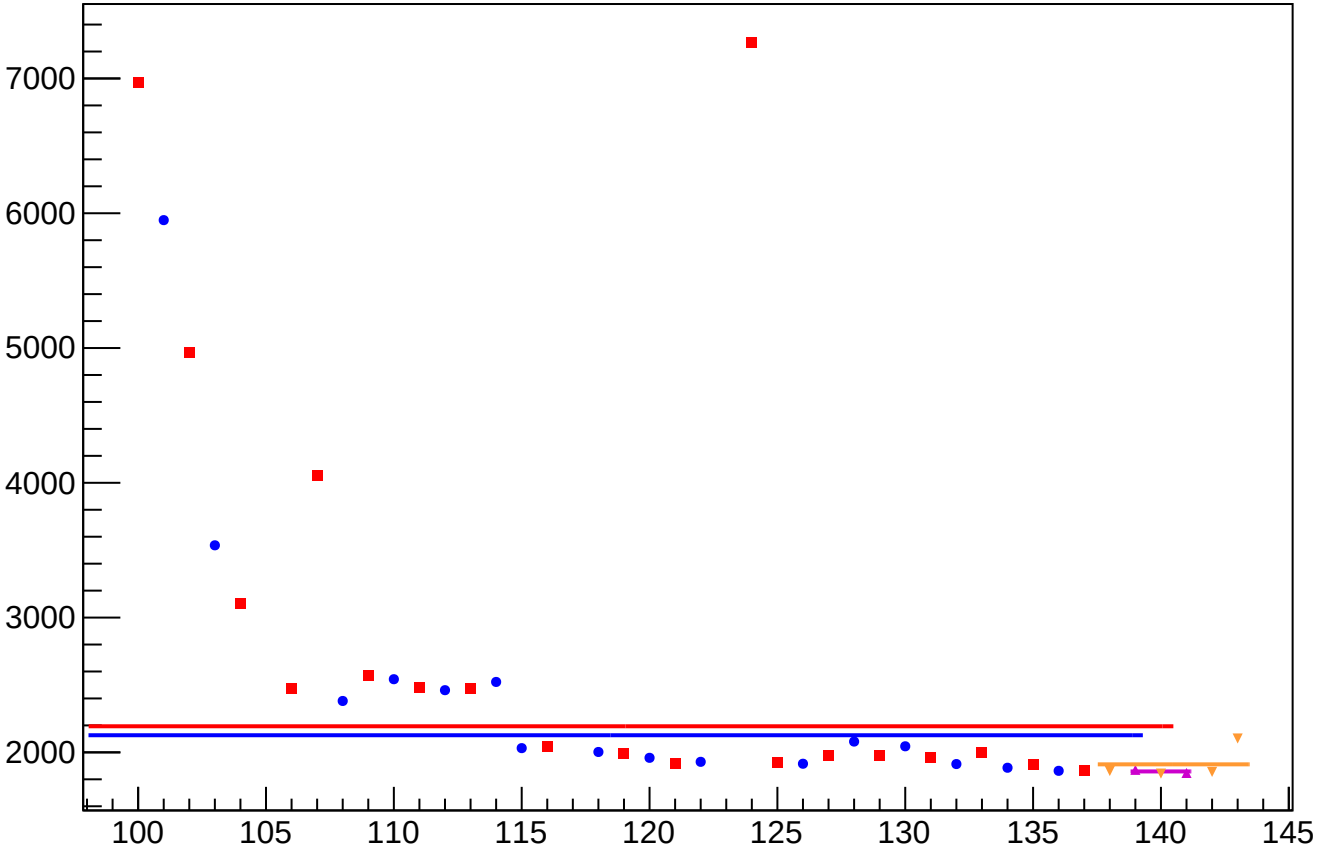
Left In: 2518.900+/-1412.251 χ^2/NDF:0.0/1

+ sign -31.085+/-660.735 χ^2/NDF: 24.0/19

All: 381.702+/-485.761 χ^2/NDF: 42.3/40

- sign 867.239+/-716.599 χ^2/NDF: 17.5/20

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1911.060+/-0.797 χ^2/NDF:17828.1/3

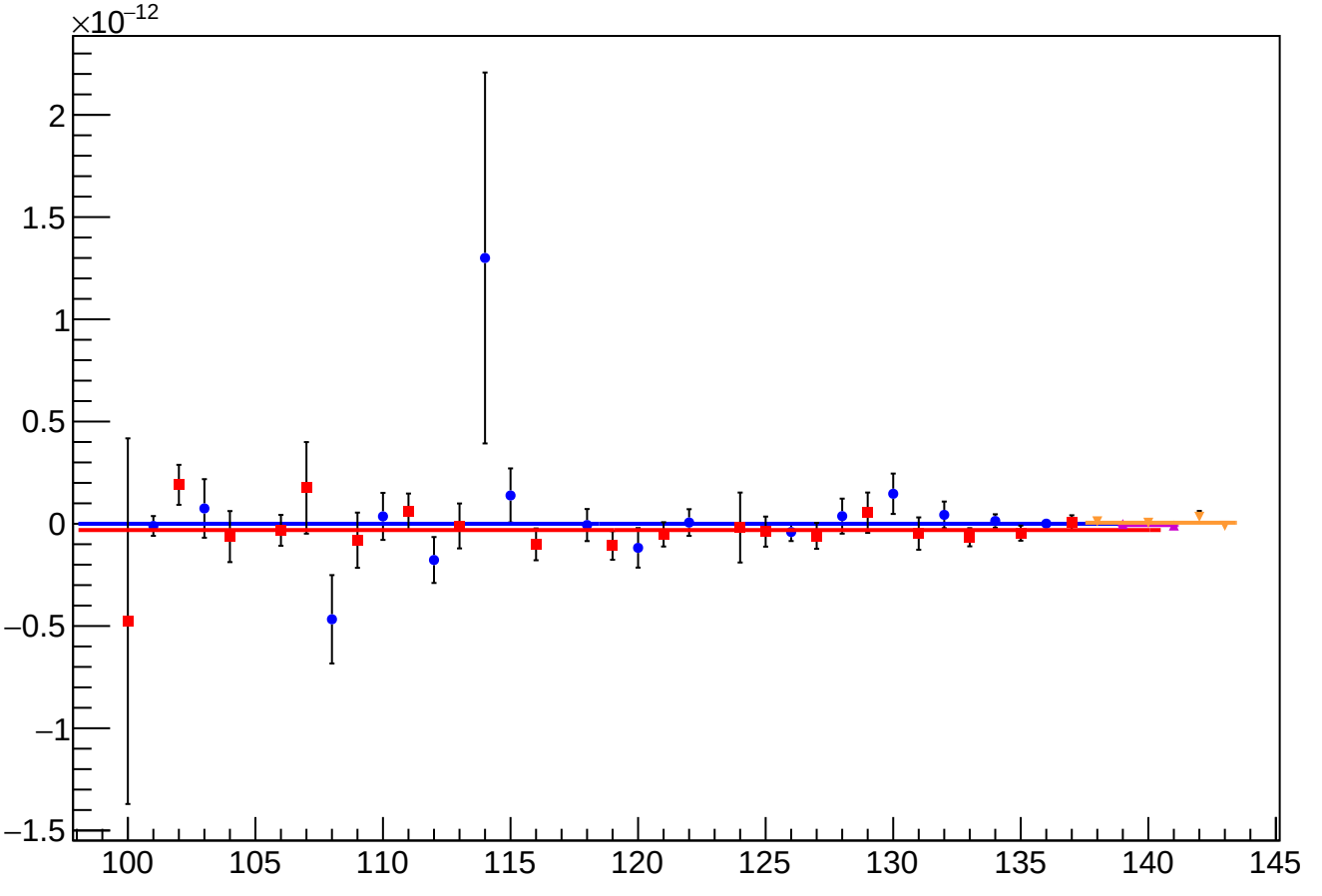
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1858.462+/-0.999 χ^2/NDF:134.1/1

+ sign 2052.888+/-0.467 χ^2/NDF: 941086.2/19

All: 2077.883+/-0.343 χ^2/NDF: 1973640.8/40

- sign 2107.282+/-0.507 χ^2/NDF: 1026326.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

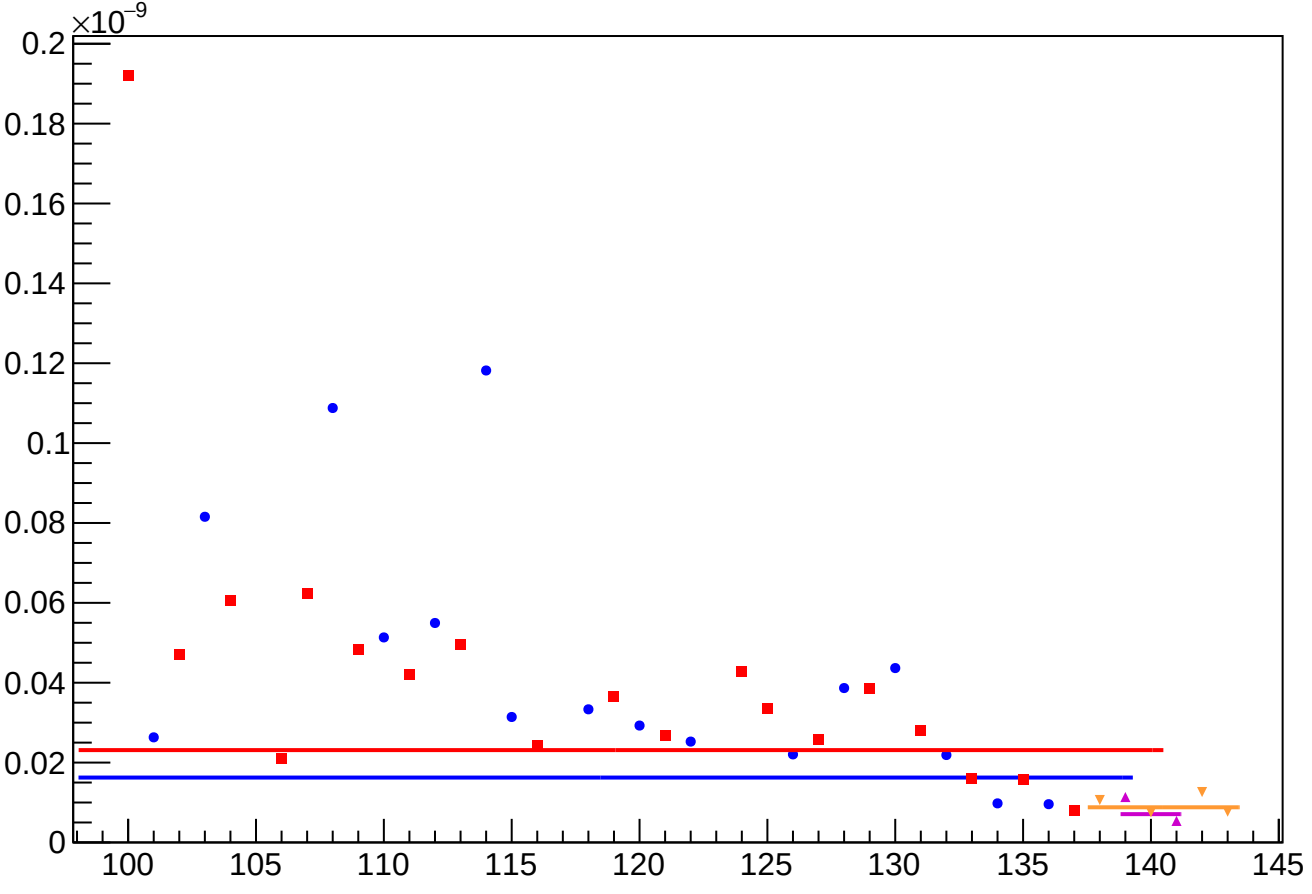
Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/19

All: -0.000+/-0.000 χ^2/NDF: 34.9/40

- sign -0.000+/-0.000 χ^2/NDF: 14.3/20

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:84949.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

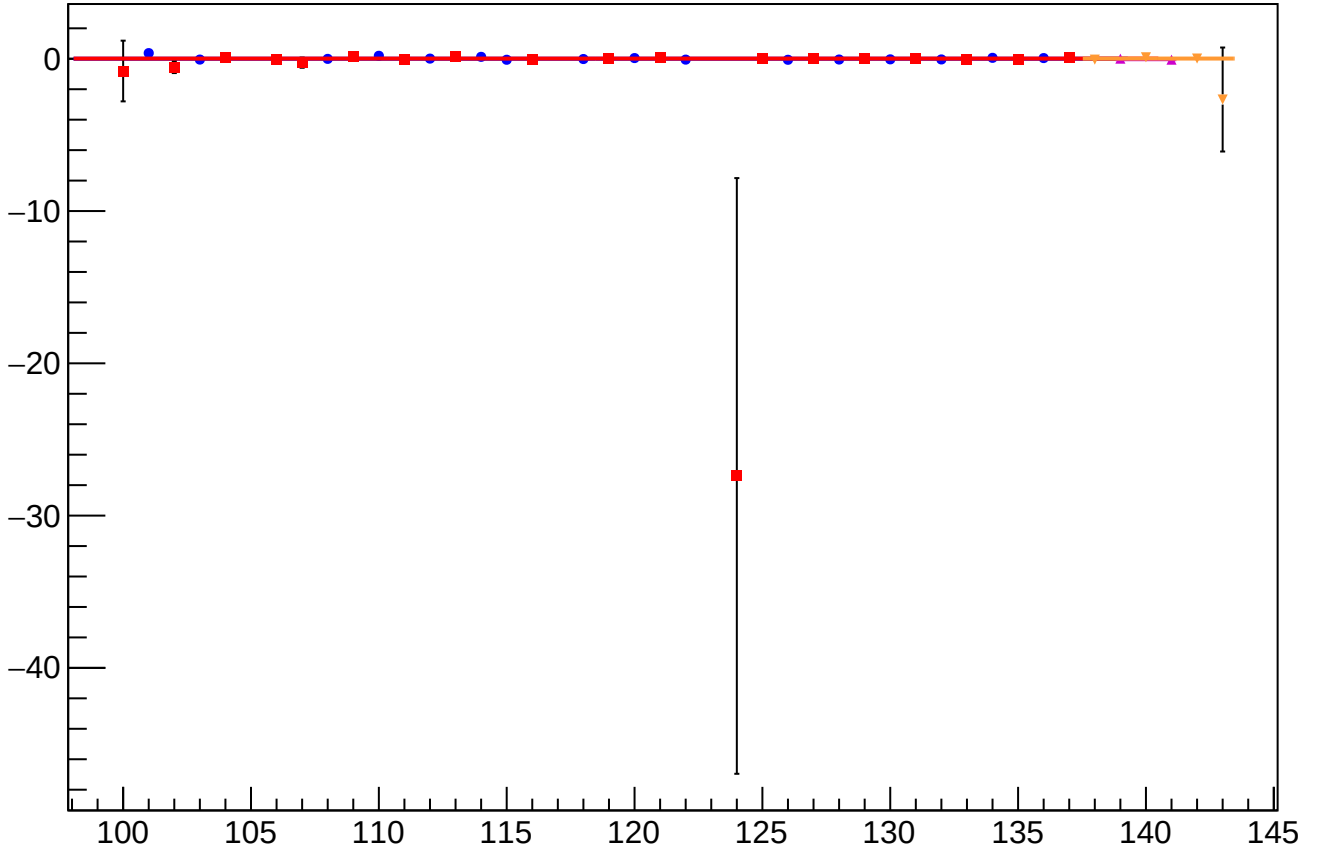
Left In: 0.000+/-0.000 χ^2/NDF:160347.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 2893840.5/19

All: 0.000+/-0.000 χ^2/NDF: 5988469.0/40

- sign 0.000+/-0.000 χ^2/NDF: 3094538.4/20

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.024 χ^2/NDF:8.7/3

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

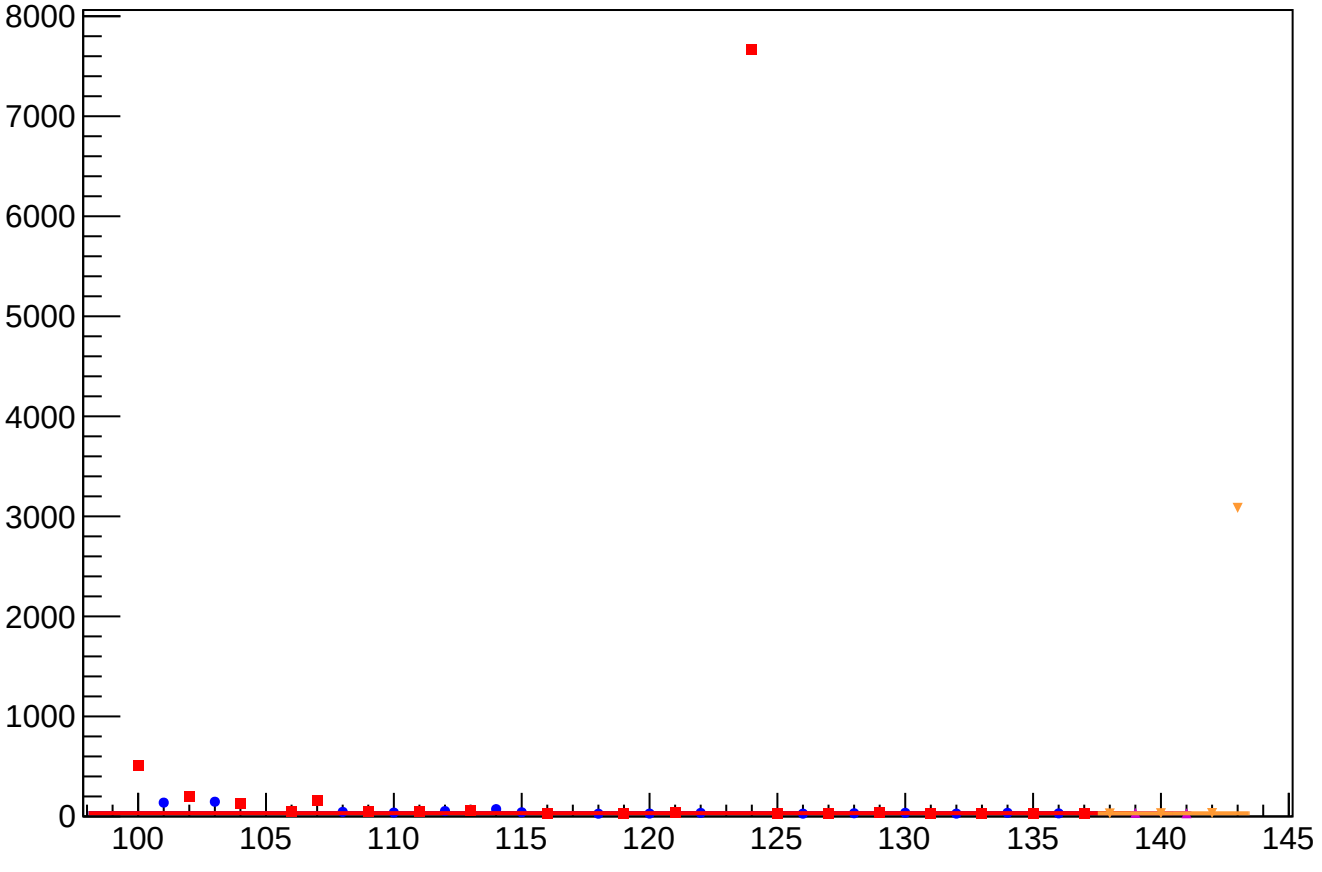
Left In: -0.029+/-0.027 χ^2/NDF:1.5/1

+ sign 0.005+/-0.013 χ^2/NDF: 29.9/19

All: 0.004+/-0.009 χ^2/NDF: 47.3/40

- sign 0.002+/-0.013 χ^2/NDF: 17.4/20

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.840+/-0.017 χ^2/NDF:1605552.5/3

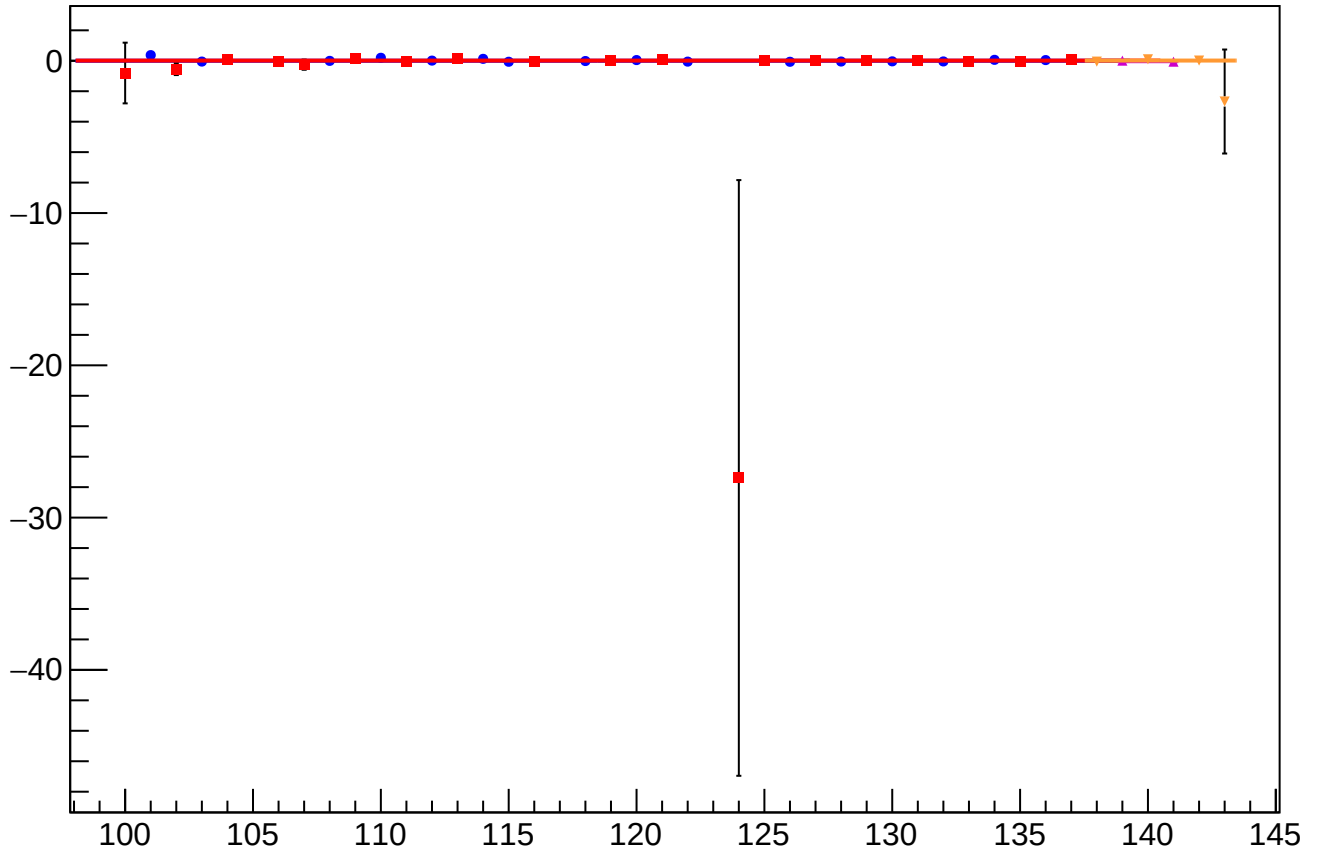
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.3/1

\+ sign 33.450+/-0.009 χ^2/NDF: 3335148.2/19

All: 33.359+/-0.006 χ^2/NDF: 5421052.5/40

\- sign 33.261+/-0.009 χ^2/NDF: 2085688.1/20



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.024 χ^2/NDF:8.7/3

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

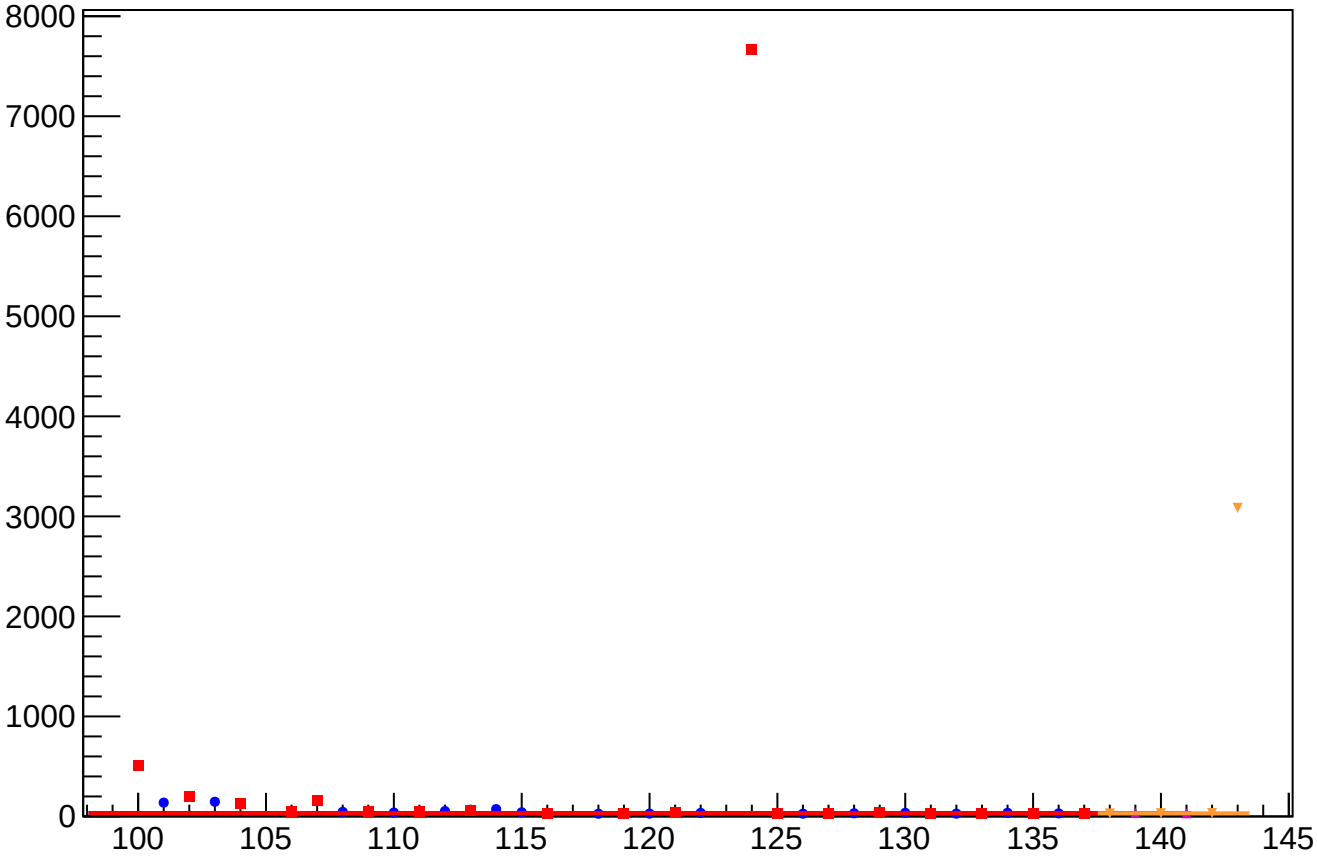
Left In: -0.029+/-0.027 χ^2/NDF:1.5/1

+ sign 0.005+/-0.013 χ^2/NDF: 29.9/19

All: 0.004+/-0.009 χ^2/NDF: 47.3/40

- sign 0.002+/-0.013 χ^2/NDF: 17.4/20

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.840+/-0.017 χ^2/NDF:1605552.5/3

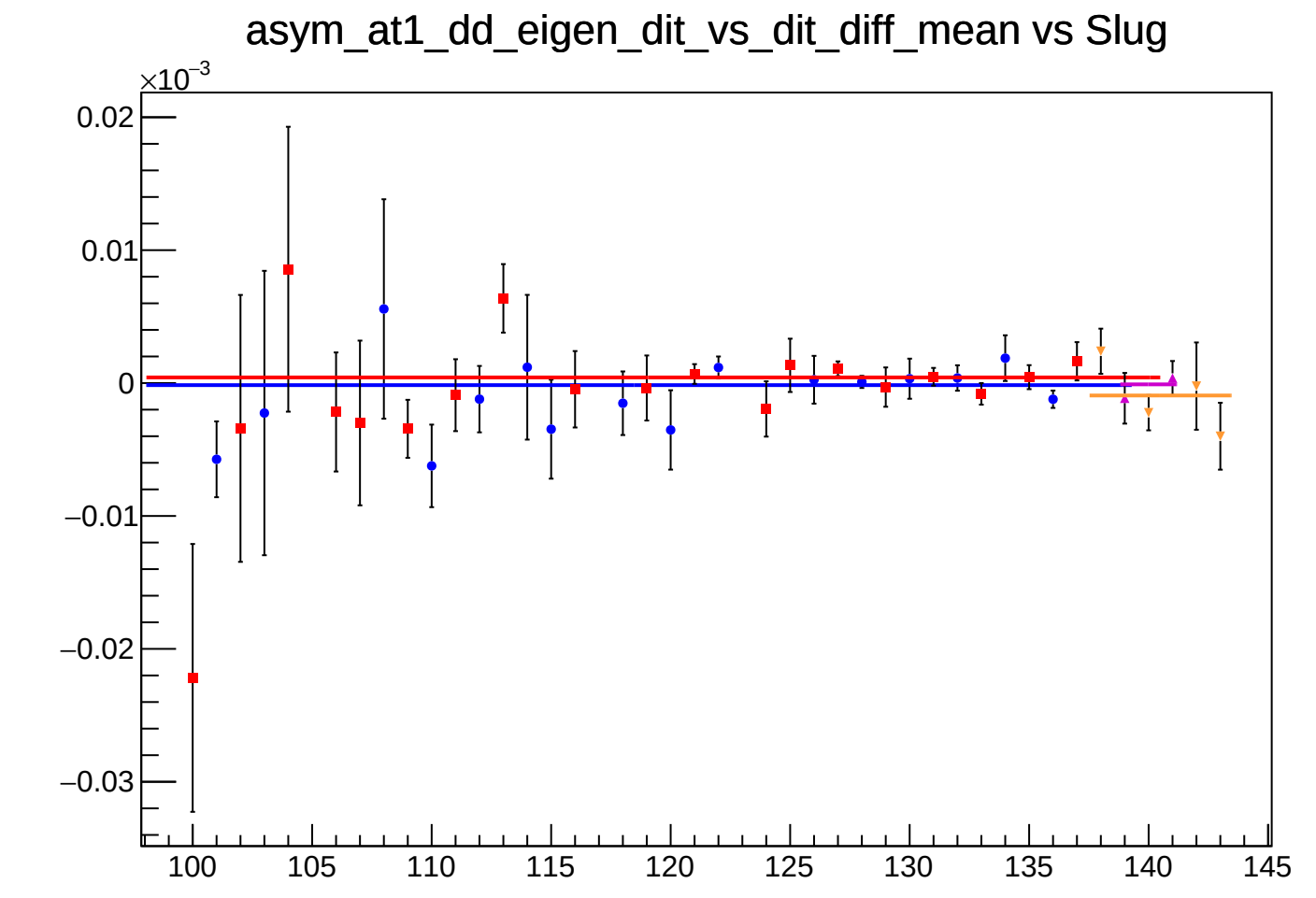
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.3/1

+ sign 33.450+/-0.009 χ^2/NDF: 3335148.2/19

All: 33.359+/-0.006 χ^2/NDF: 5421052.5/40

- sign 33.261+/-0.009 χ^2/NDF: 2085688.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/3

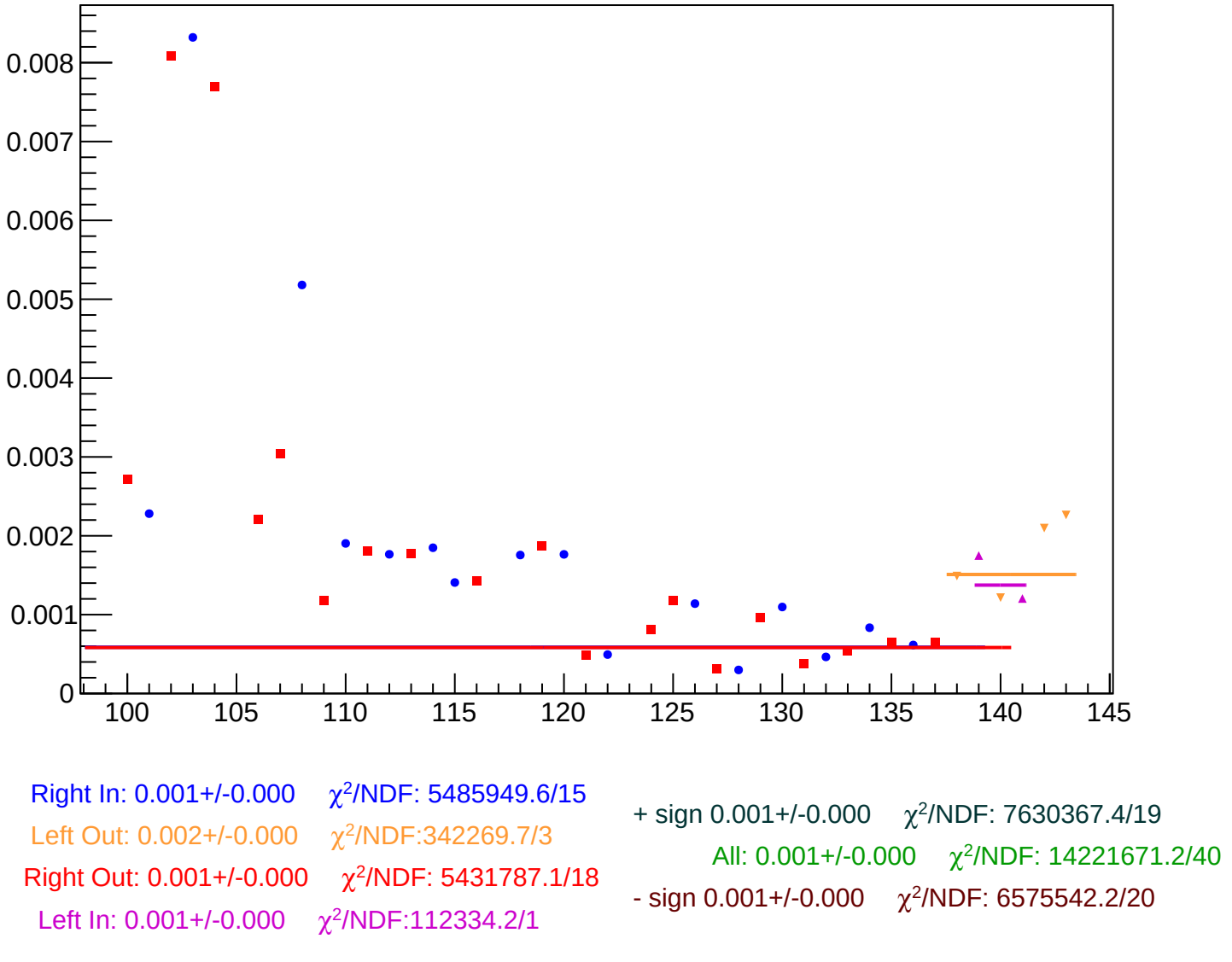
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

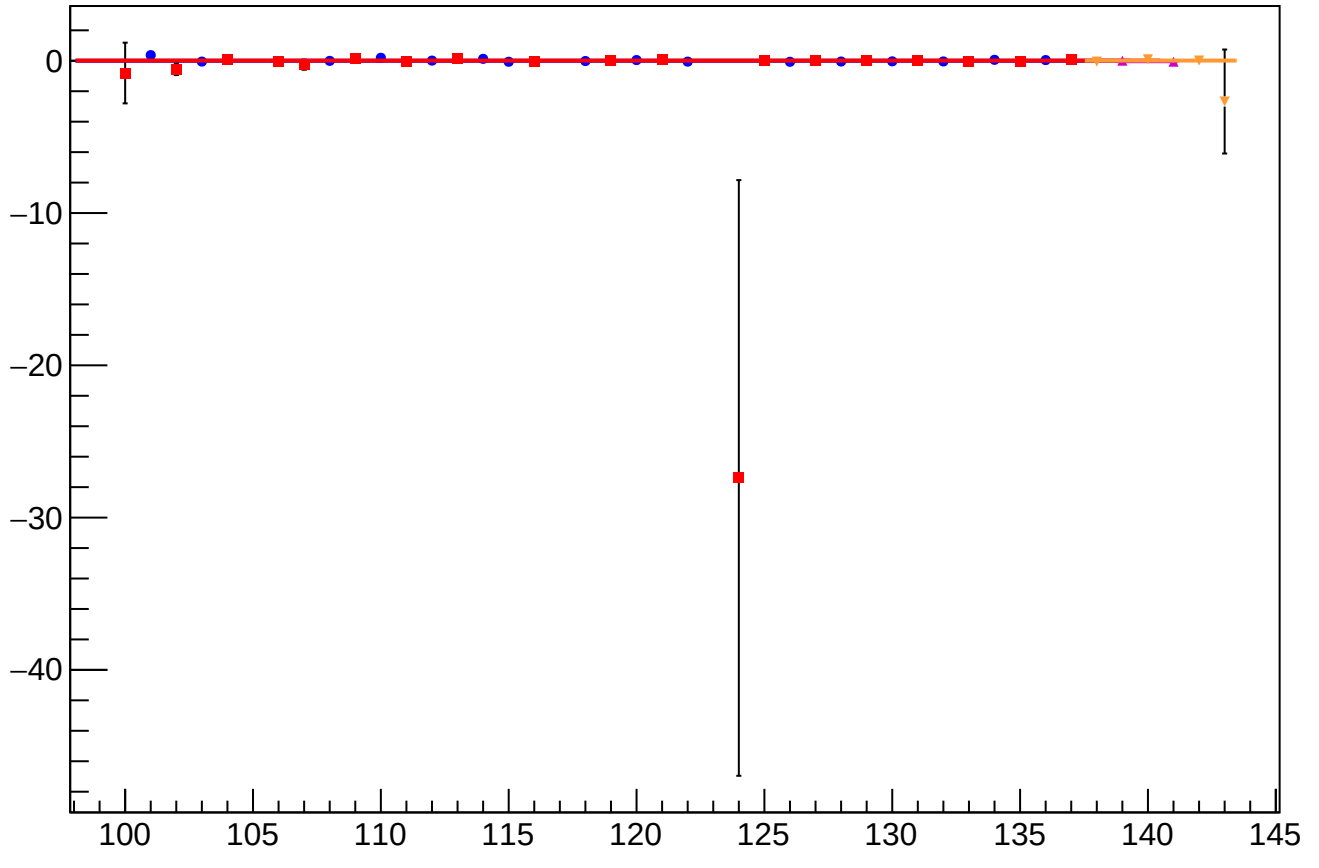
Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/19

All: 0.000+/-0.000 χ^2/NDF: 49.8/40

- sign 0.000+/-0.000 χ^2/NDF: 22.2/20


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 5485949.6/15
Left Out: 0.002+/-0.000 χ²/NDF:342269.7/3
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:112334.2/1
+ sign 0.001+/-0.000 χ²/NDF: 7630367.4/19
All: 0.001+/-0.000 χ²/NDF: 14221671.2/40
- sign 0.001+/-0.000 χ²/NDF: 6575542.2/20



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.024 χ^2/NDF:8.7/3

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

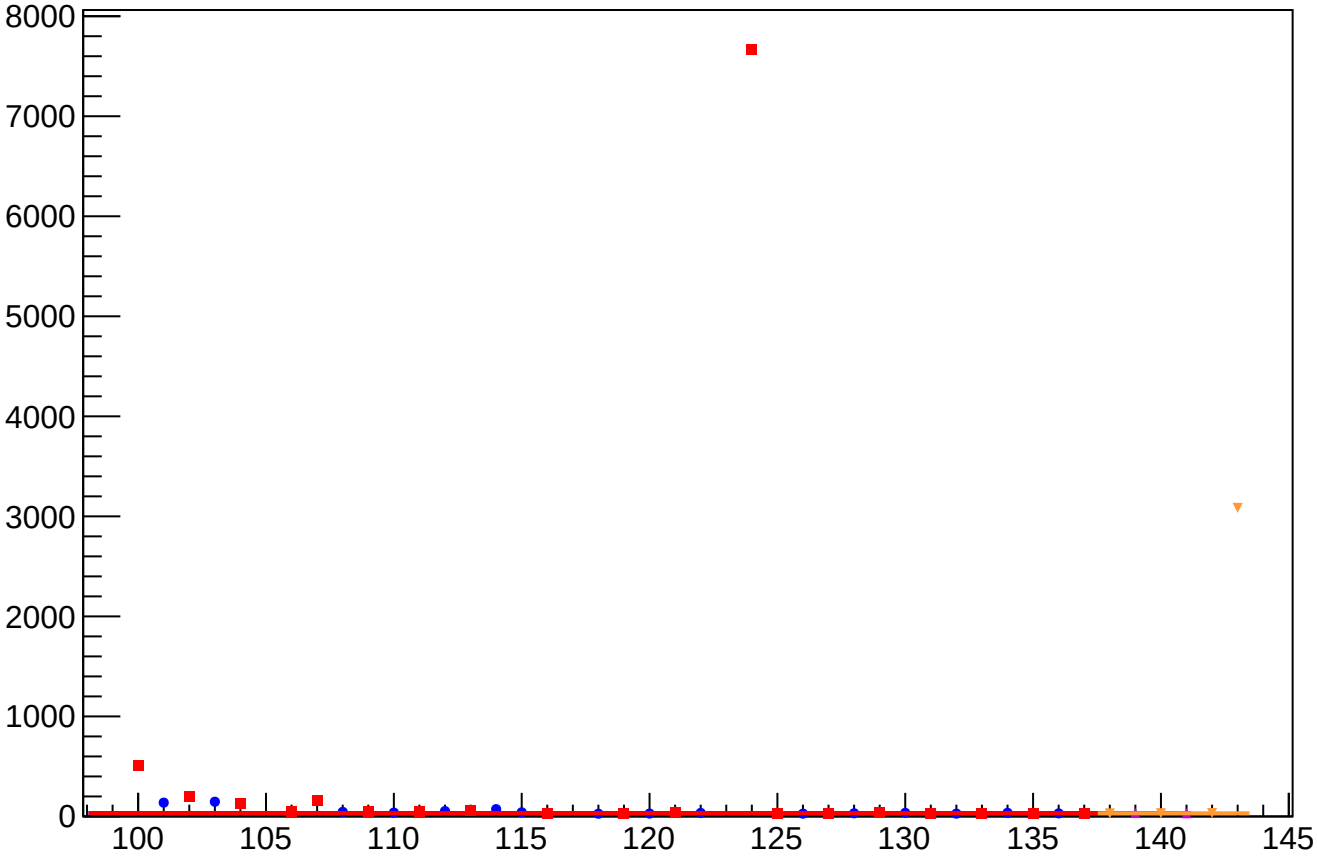
Left In: -0.029+/-0.027 χ^2/NDF:1.5/1

+ sign 0.005+/-0.013 χ^2/NDF: 29.9/19

All: 0.004+/-0.009 χ^2/NDF: 47.3/40

- sign 0.002+/-0.013 χ^2/NDF: 17.4/20

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.839+/-0.017 χ^2/NDF:1605555.7/3

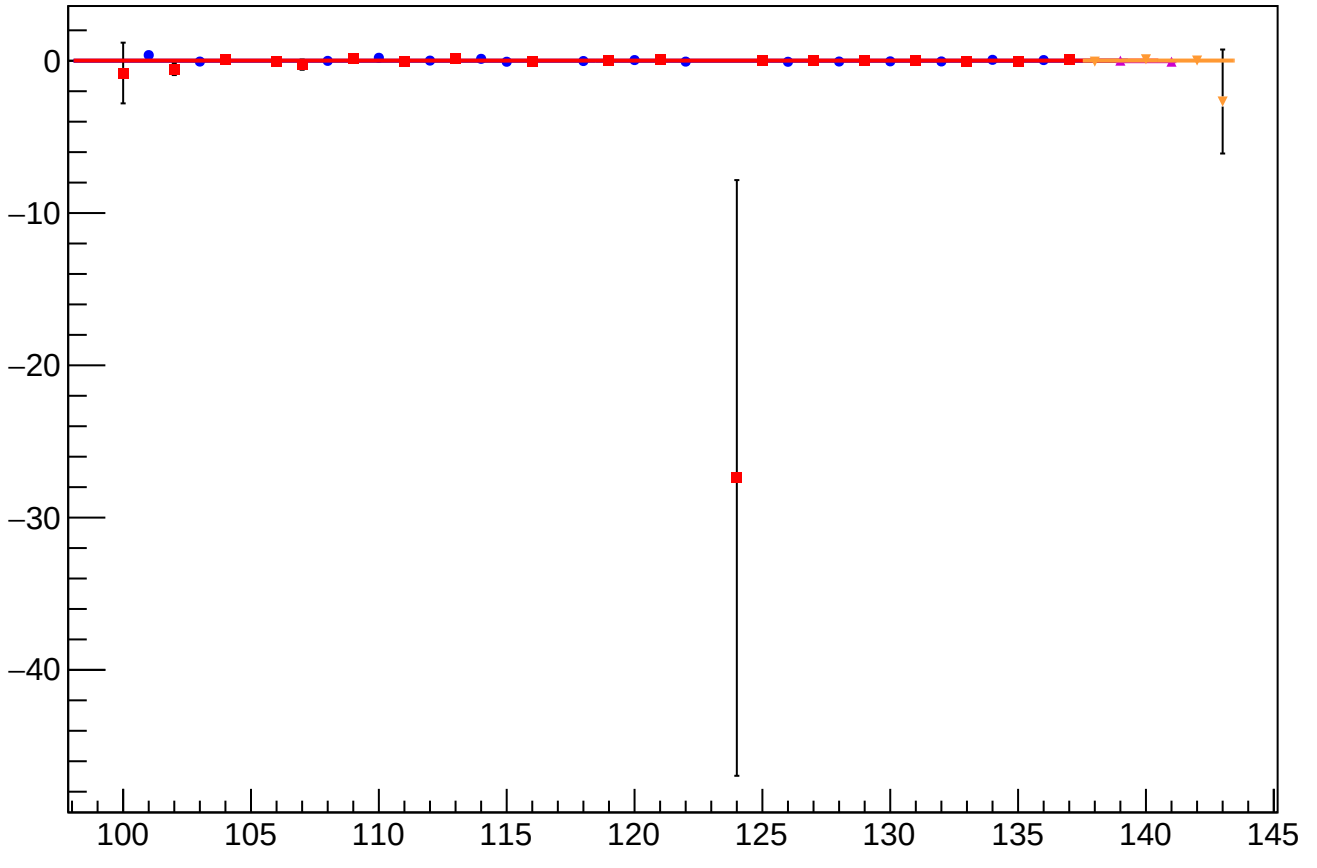
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.0/1

+ sign 33.450+/-0.009 χ^2/NDF: 3335143.3/19

All: 33.359+/-0.006 χ^2/NDF: 5421029.2/40

- sign 33.261+/-0.009 χ^2/NDF: 2085669.8/20



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.024 χ^2/NDF:8.7/3

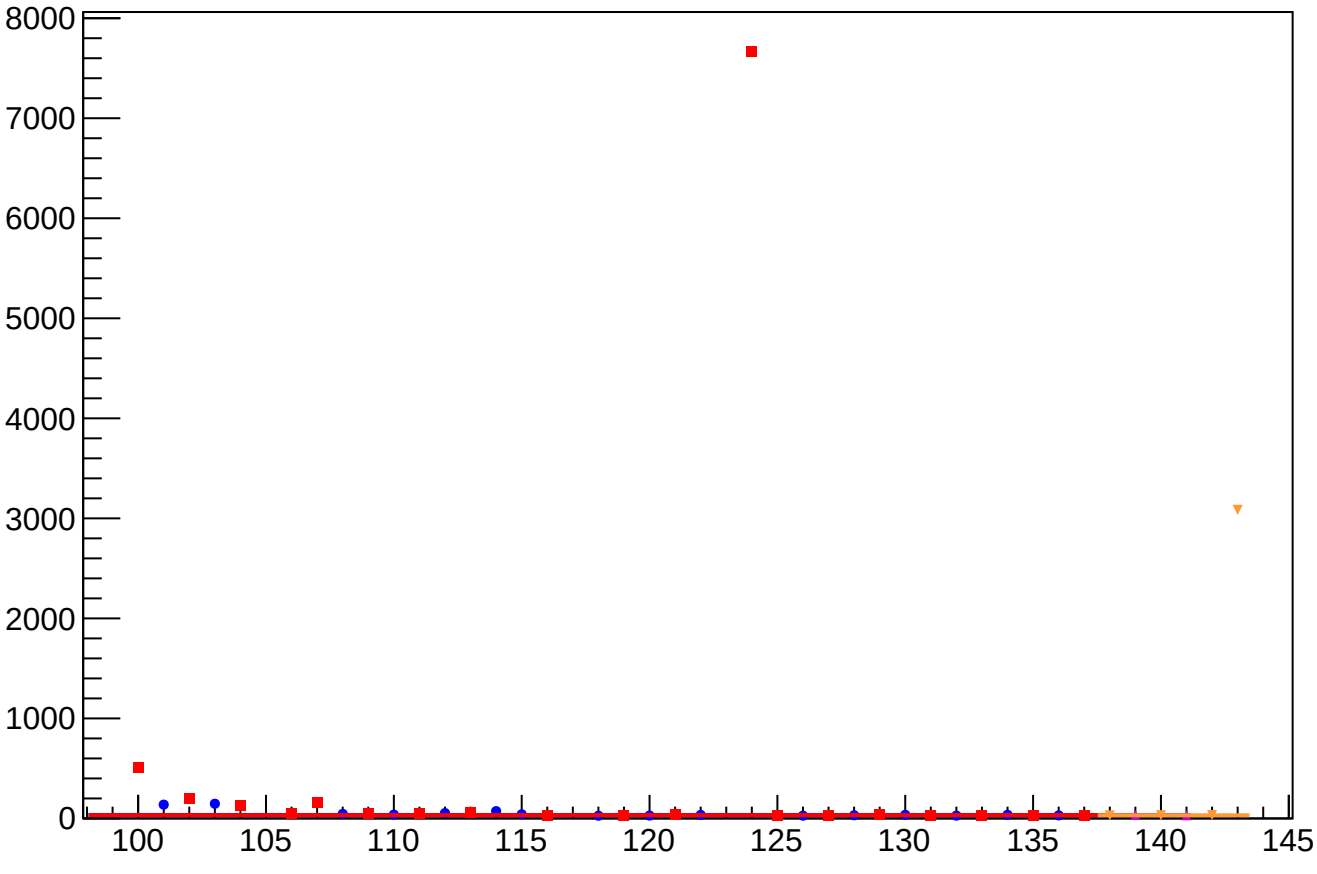
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.029+/-0.027 χ^2/NDF:1.5/1

+ sign 0.005+/-0.013 χ^2/NDF: 29.9/19

All: 0.004+/-0.009 χ^2/NDF: 47.3/40

- sign 0.002+/-0.013 χ^2/NDF: 17.4/20



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.839+/-0.017 χ^2/NDF:1605555.7/3

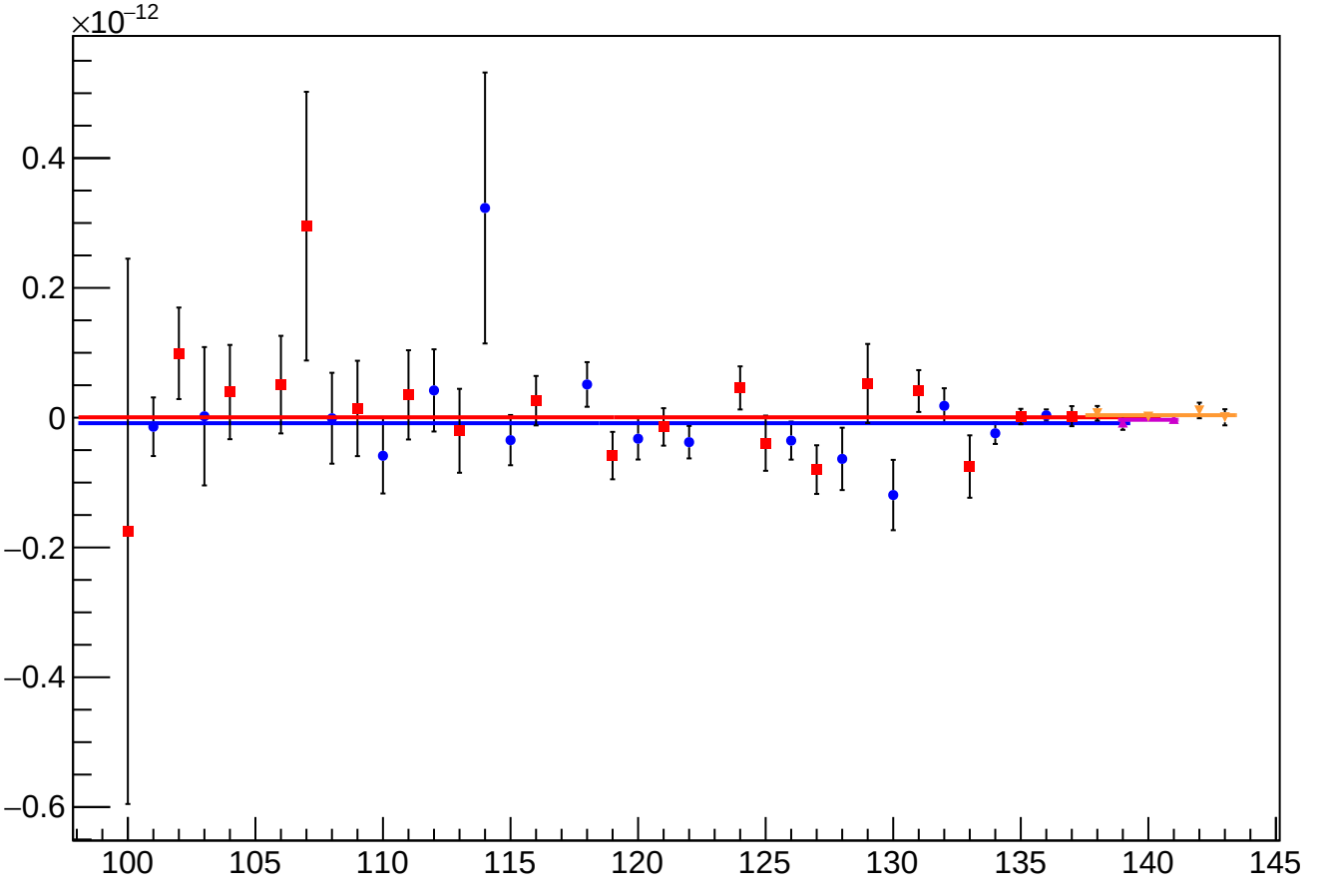
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.0/1

+ sign 33.450+/-0.009 χ^2/NDF: 3335143.3/19

All: 33.359+/-0.006 χ^2/NDF: 5421029.2/40

- sign 33.261+/-0.009 χ^2/NDF: 2085669.8/20



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

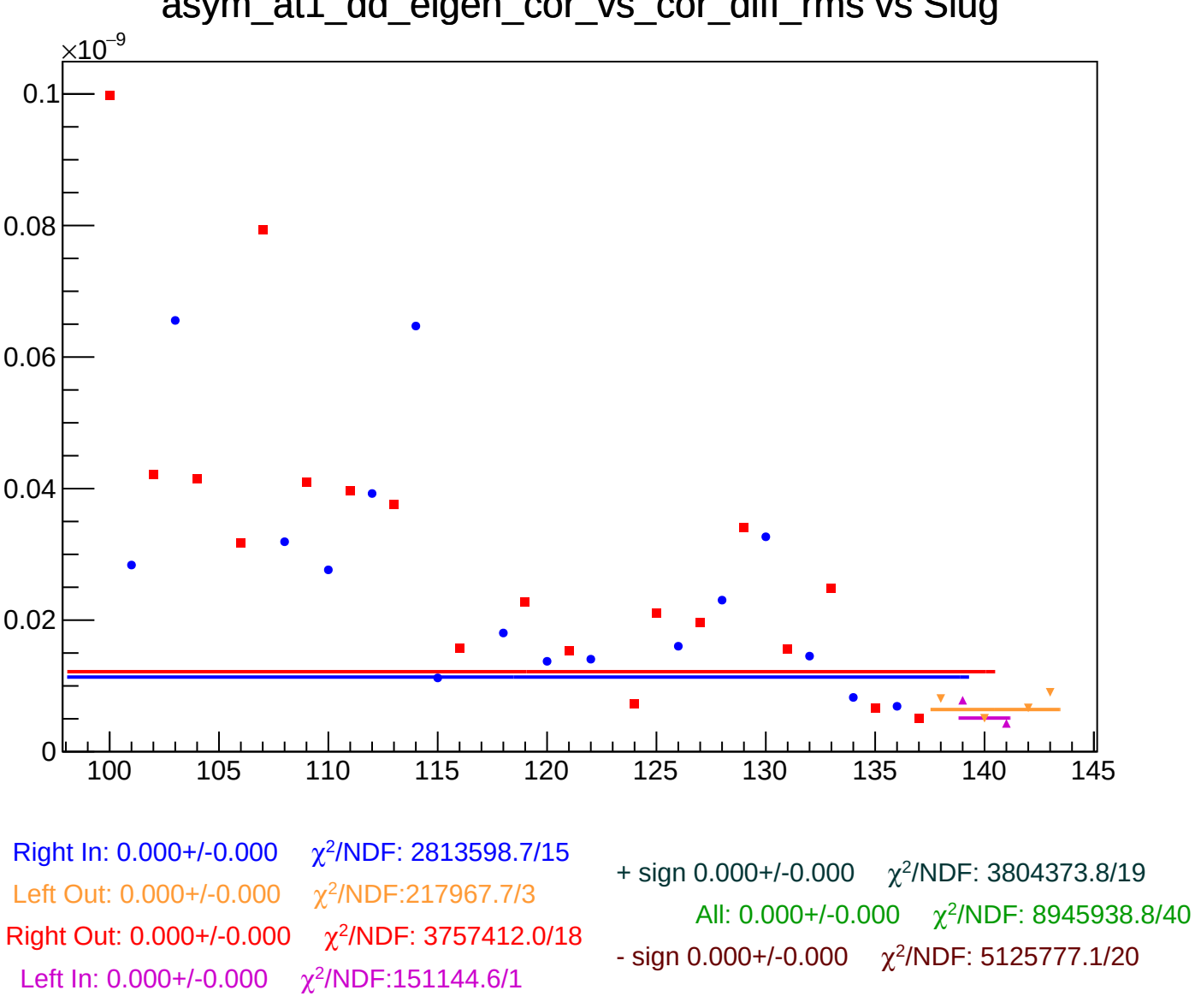
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

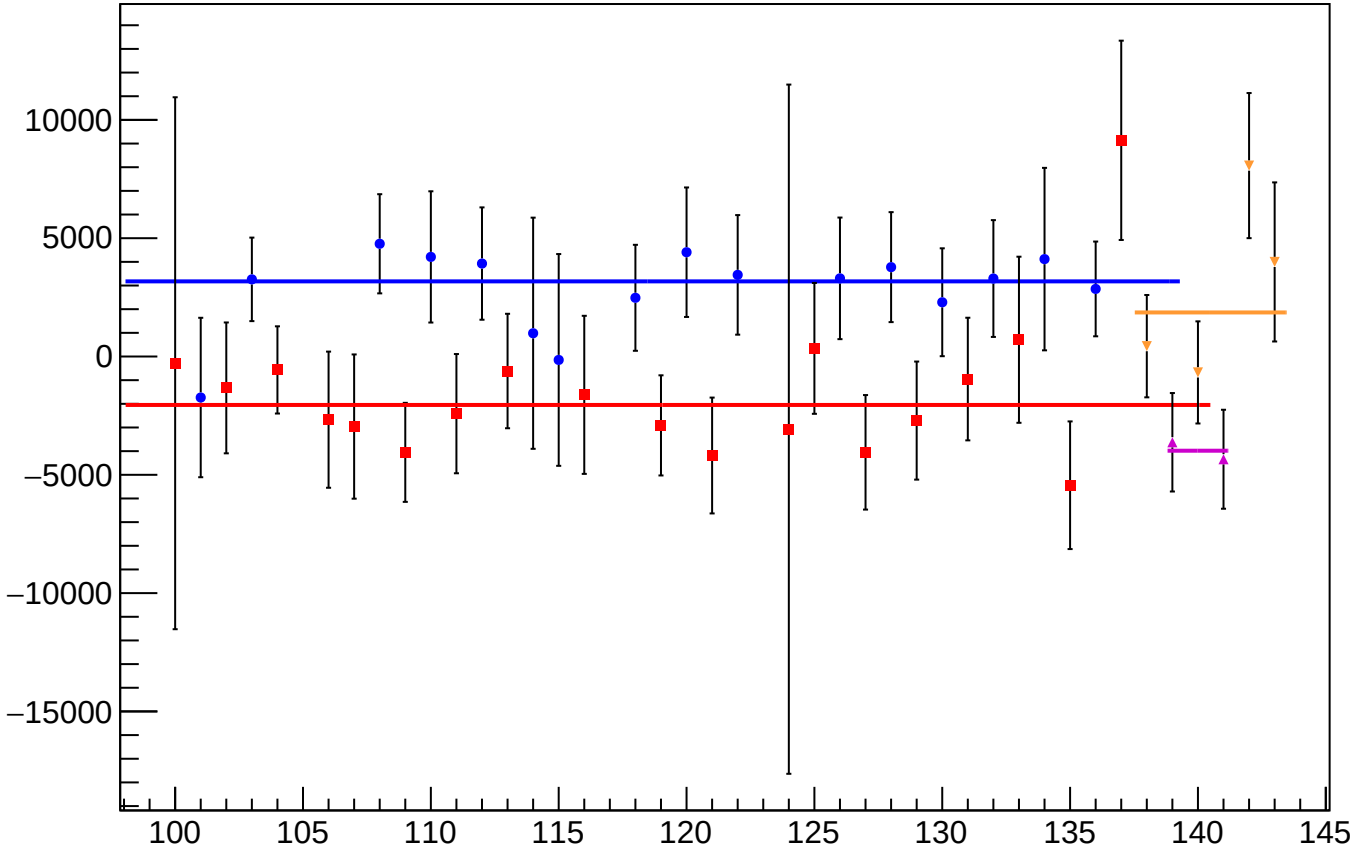
+ sign -0.000+/-0.000 χ^2/NDF: 22.3/19

All: -0.000+/-0.000 χ^2/NDF: 43.5/40

- sign -0.000+/-0.000 χ^2/NDF: 21.2/20


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:217967.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:151144.6/1
+ sign 0.000+/-0.000 χ²/NDF: 3804373.8/19
All: 0.000+/-0.000 χ²/NDF: 8945938.8/40
- sign 0.000+/-0.000 χ²/NDF: 5125777.1/20

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.091+/-1266.589 χ^2/NDF:6.3/3

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

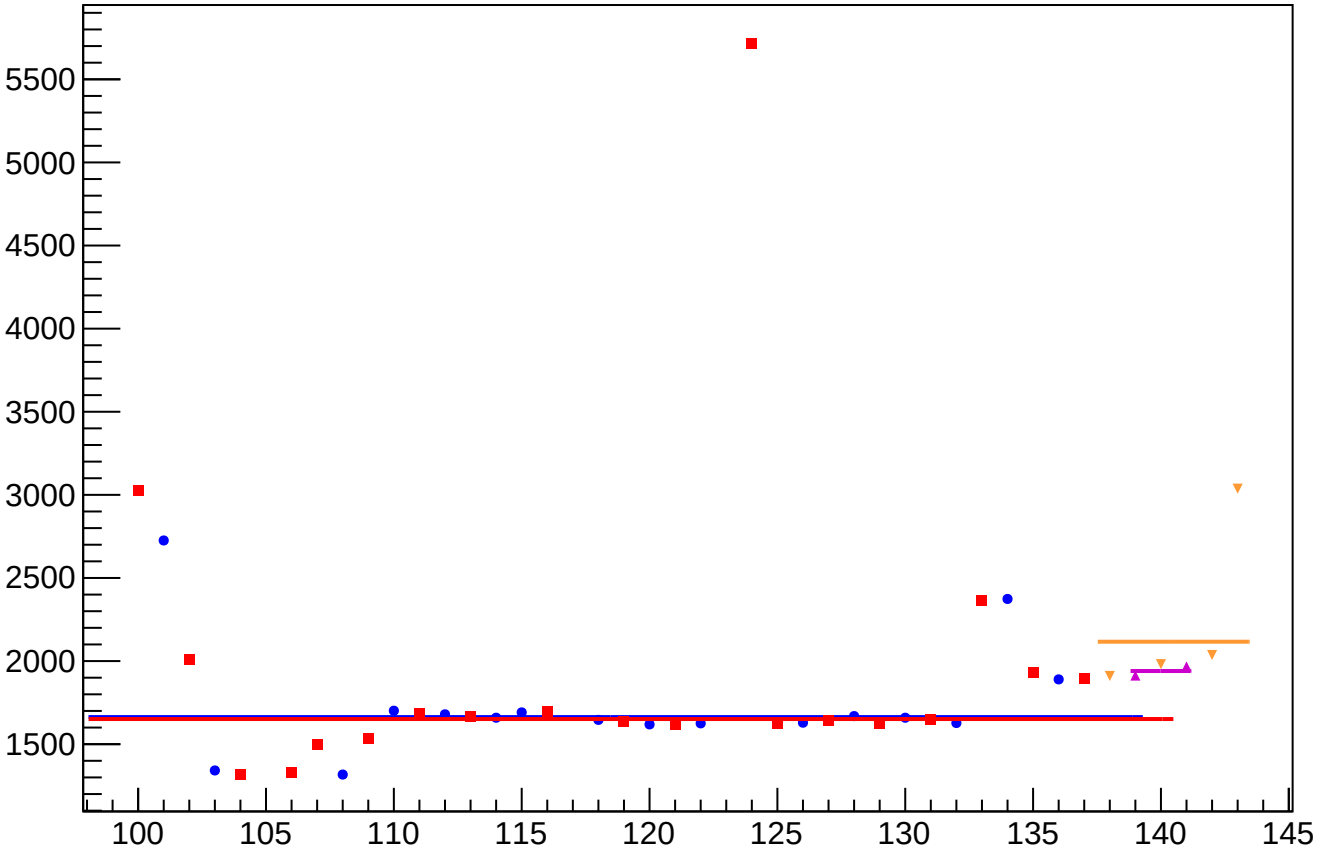
Left In: -3981.499+/-1475.079 χ^2/NDF:0.1/1

+ sign 2916.414+/-562.632 χ^2/NDF: 11.5/19

All: 335.487+/-401.366 χ^2/NDF: 69.9/40

- sign -2338.984+/-572.737 χ^2/NDF: 15.6/20

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

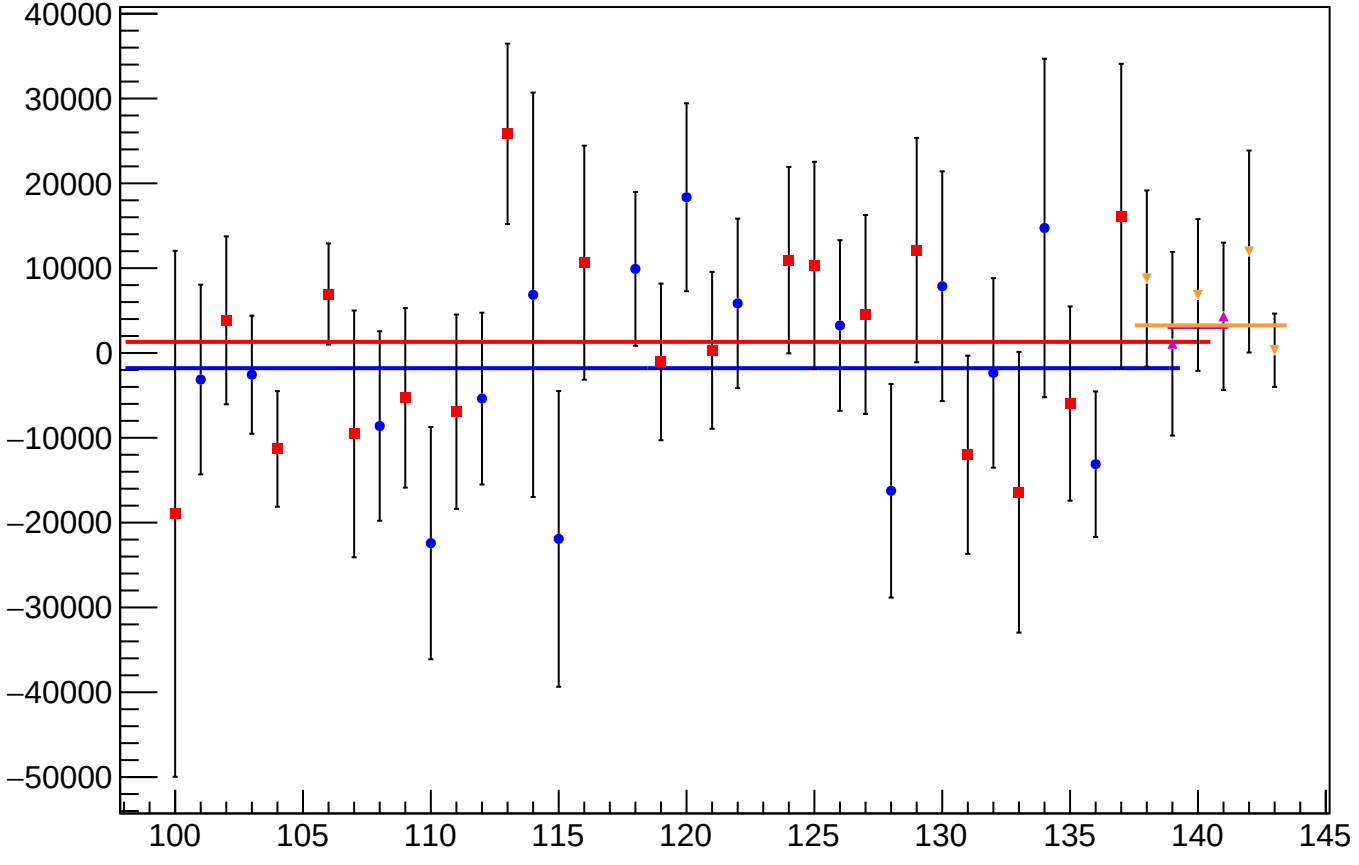
Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

+ sign 1752.398+/-0.398 χ^2/NDF: 798824.6/19

All: 1724.145+/-0.284 χ^2/NDF: 1306878.1/40

- sign 1694.868+/-0.405 χ^2/NDF: 497784.2/20

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 3255.940+/-3482.873 χ^2/NDF:1.4/3

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

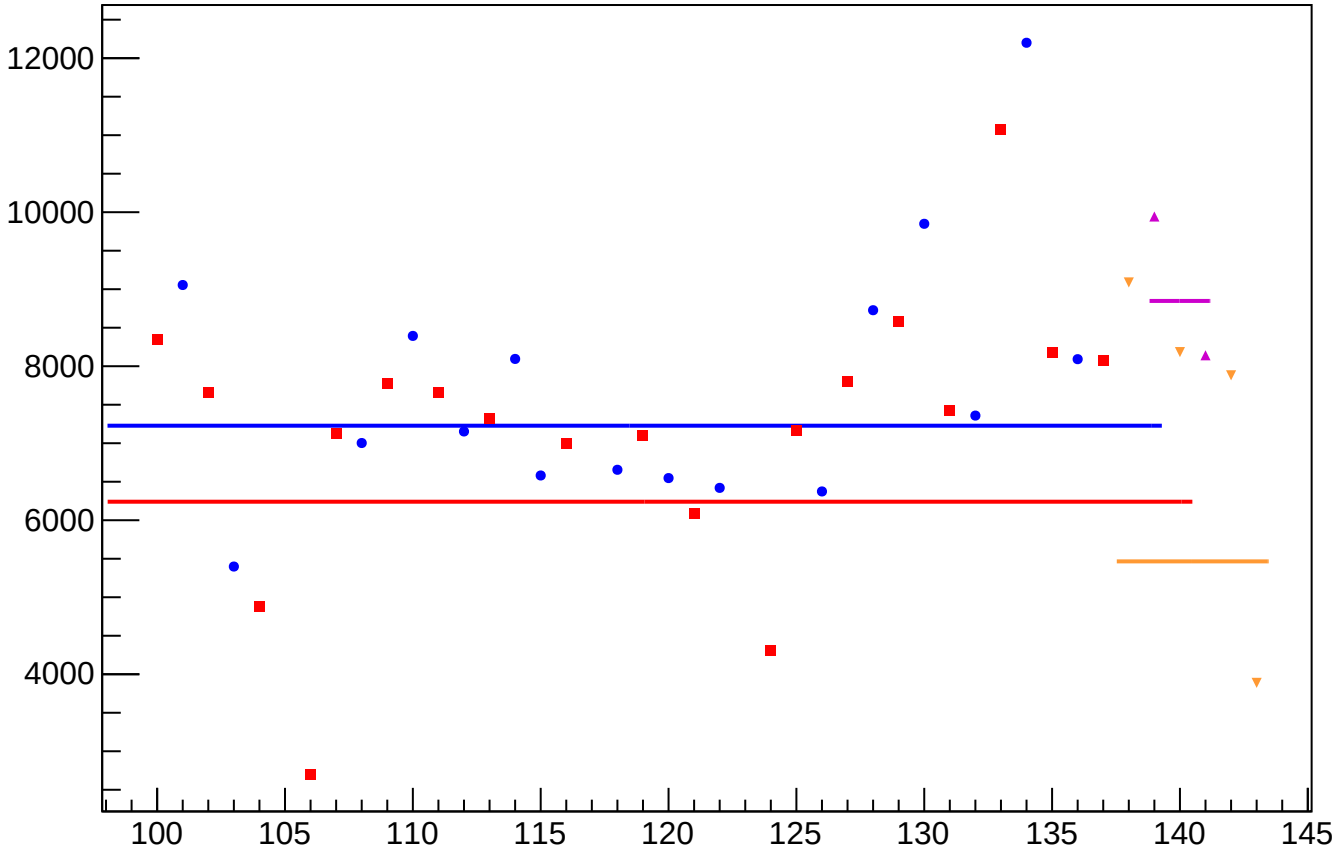
Left In: 3055.028+/-6777.638 χ^2/NDF:0.1/1

+ sign 141.570+/-2155.228 χ^2/NDF: 17.1/19

All: 782.972+/-1568.647 χ^2/NDF: 35.1/40

- sign 1505.505+/-2287.478 χ^2/NDF: 17.8/20

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 5465.659+/-2.463 χ^2/NDF:776942.5/3

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

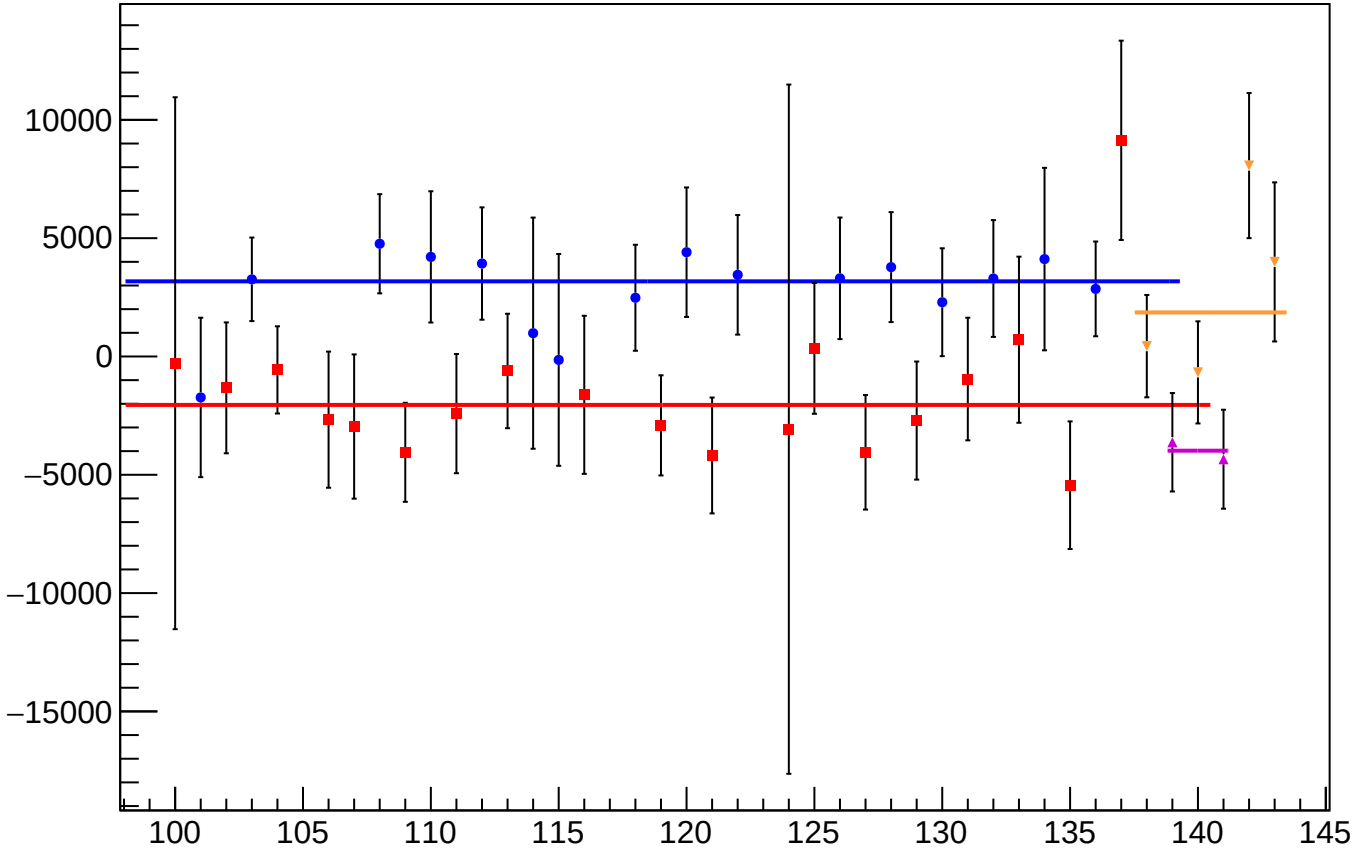
Left In: 8847.743+/-4.793 χ^2/NDF:33692.1/1

+ sign 6552.907+/-1.524 χ^2/NDF: 1596046.9/19

All: 6545.679+/-1.109 χ^2/NDF: 3291102.3/40

- sign 6537.538+/-1.617 χ^2/NDF: 1695007.6/20

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.133+/-1266.589 χ^2/NDF:6.3/3

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

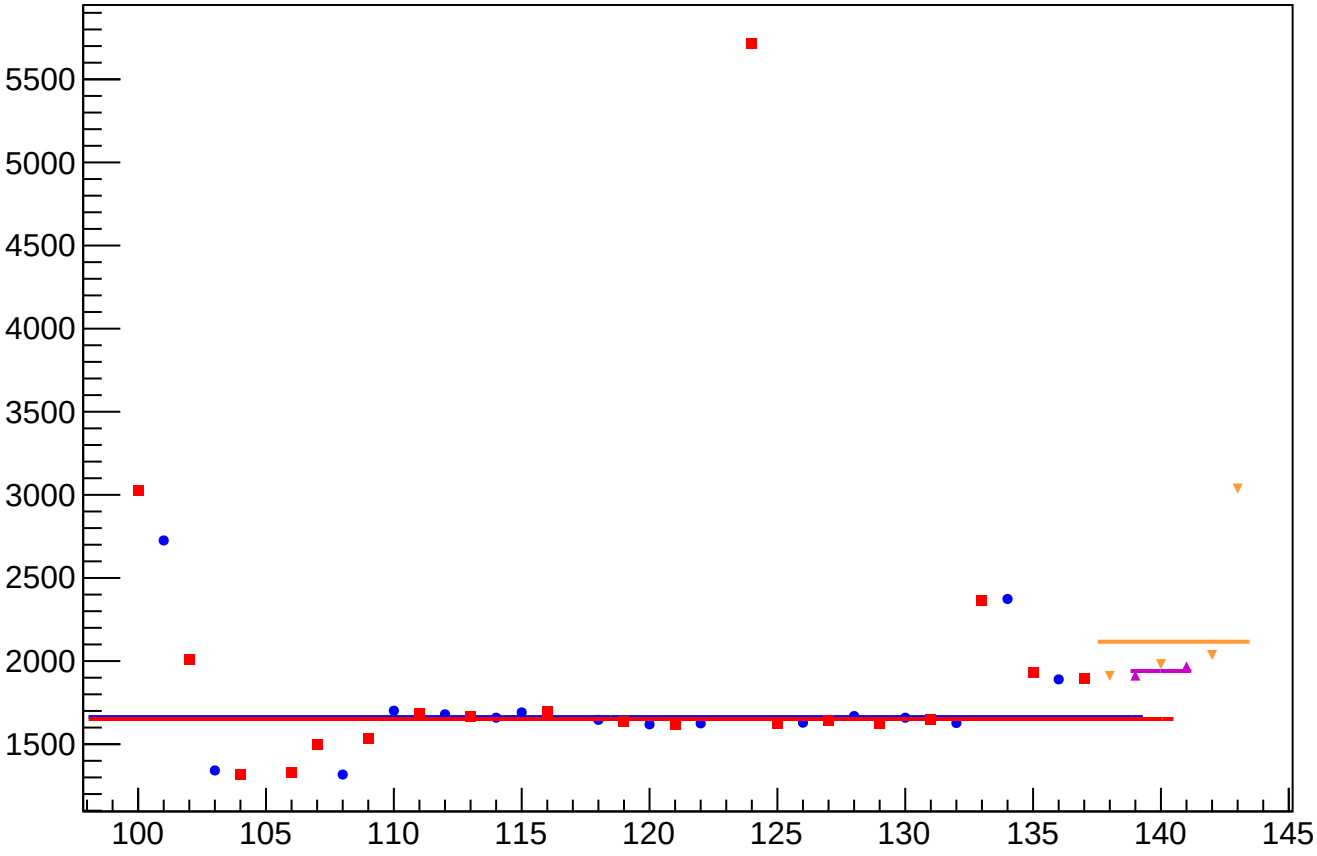
Left In: -3981.542+/-1475.079 χ^2/NDF:0.1/1

+ sign 2916.494+/-562.632 χ^2/NDF: 11.5/19

All: 335.606+/-401.366 χ^2/NDF: 69.9/40

- sign -2338.825+/-572.737 χ^2/NDF: 15.6/20

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

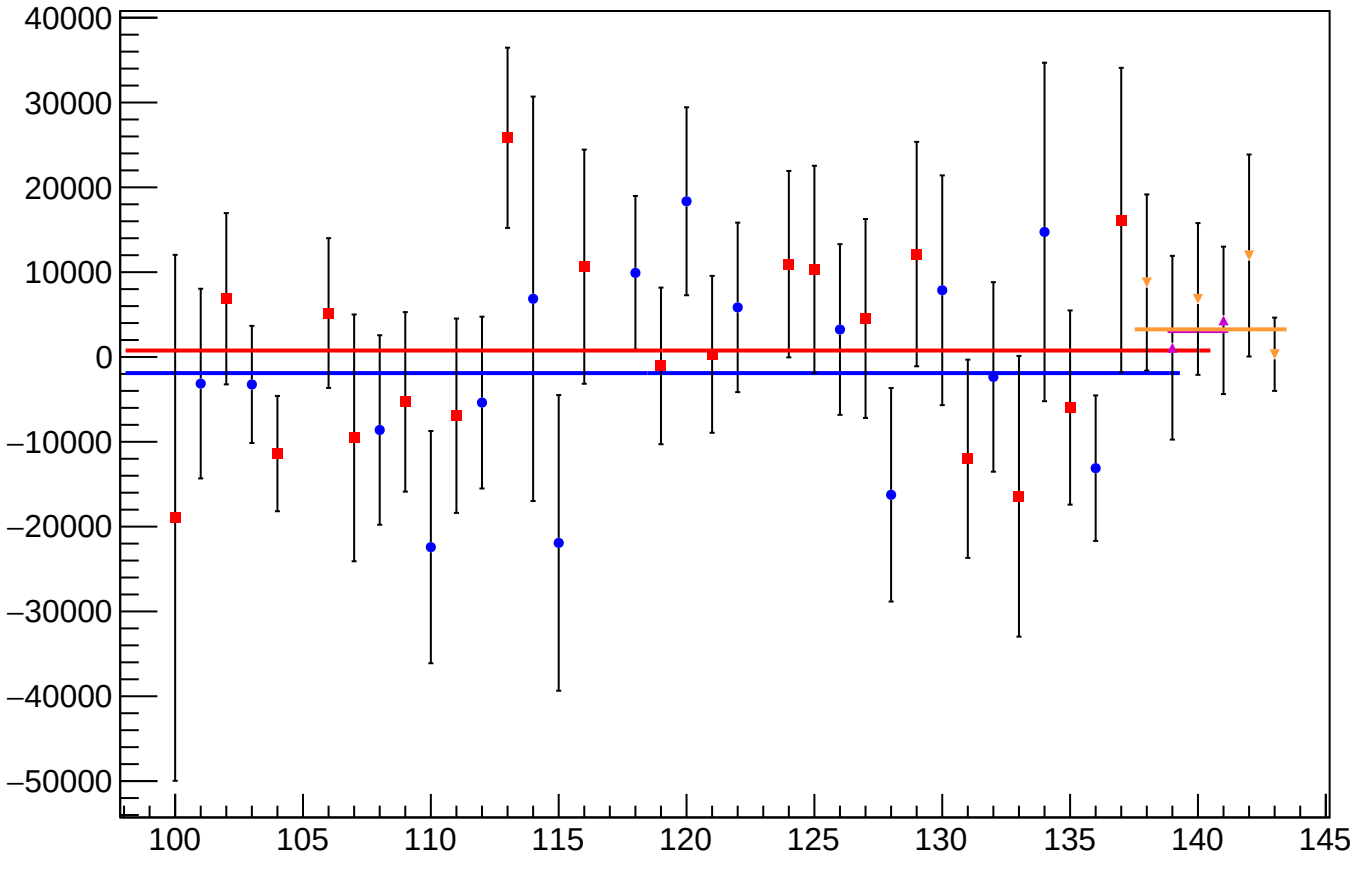
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

+ sign 1752.398+/-0.398 χ^2/NDF: 798825.1/19

All: 1724.145+/-0.284 χ^2/NDF: 1306878.7/40

- sign 1694.868+/-0.405 χ^2/NDF: 497784.4/20



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3255.748+/-3482.848 χ^2/NDF:1.4/3

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

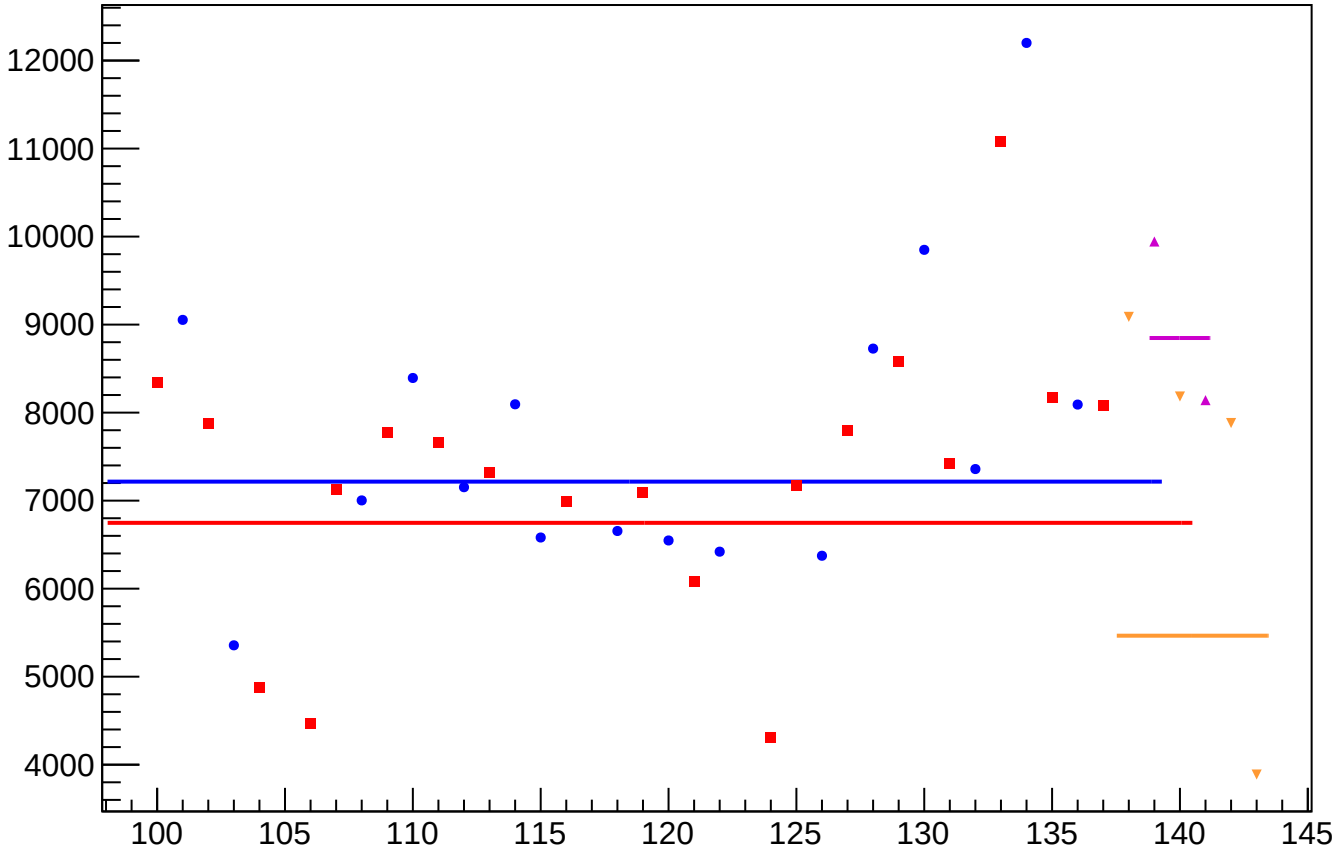
Left In: 3055.098+/-6777.632 χ^2/NDF:0.1/1

\+ sign 70.939+/-2153.445 χ^2/NDF: 17.1/19

All: 508.876+/-1598.814 χ^2/NDF: 34.7/40

\- sign 1046.786+/-2386.620 χ^2/NDF: 17.4/20

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5465.609+/-2.463 χ^2/NDF:776959.6/3

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

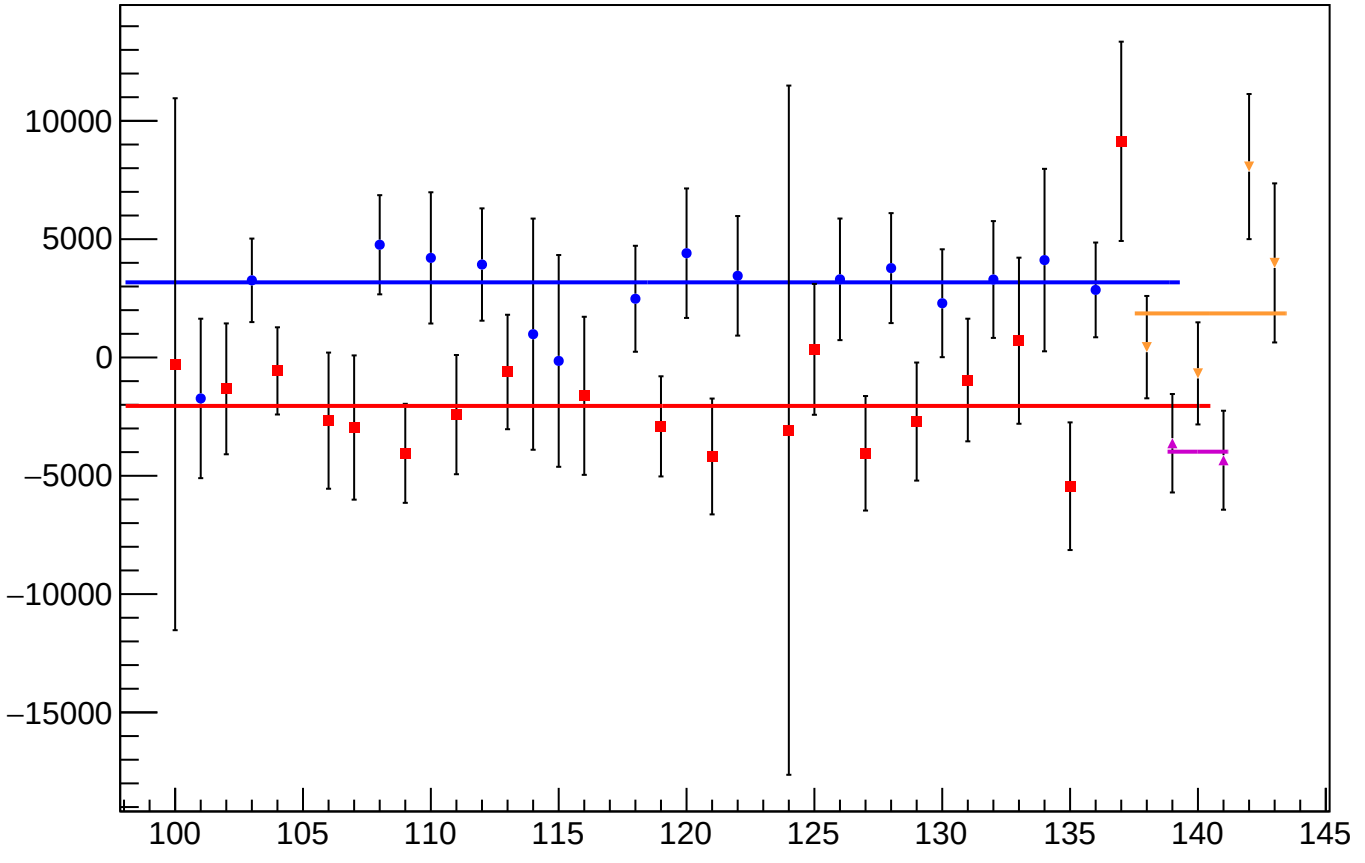
Left In: 8847.734+/-4.793 χ^2/NDF:33692.3/1

+ sign 6546.852+/-1.523 χ^2/NDF: 1601137.9/19

All: 6753.862+/-1.131 χ^2/NDF: 2553002.8/40

- sign 7008.129+/-1.688 χ^2/NDF: 910682.2/20

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.133+/-1266.589 χ^2/NDF:6.3/3

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

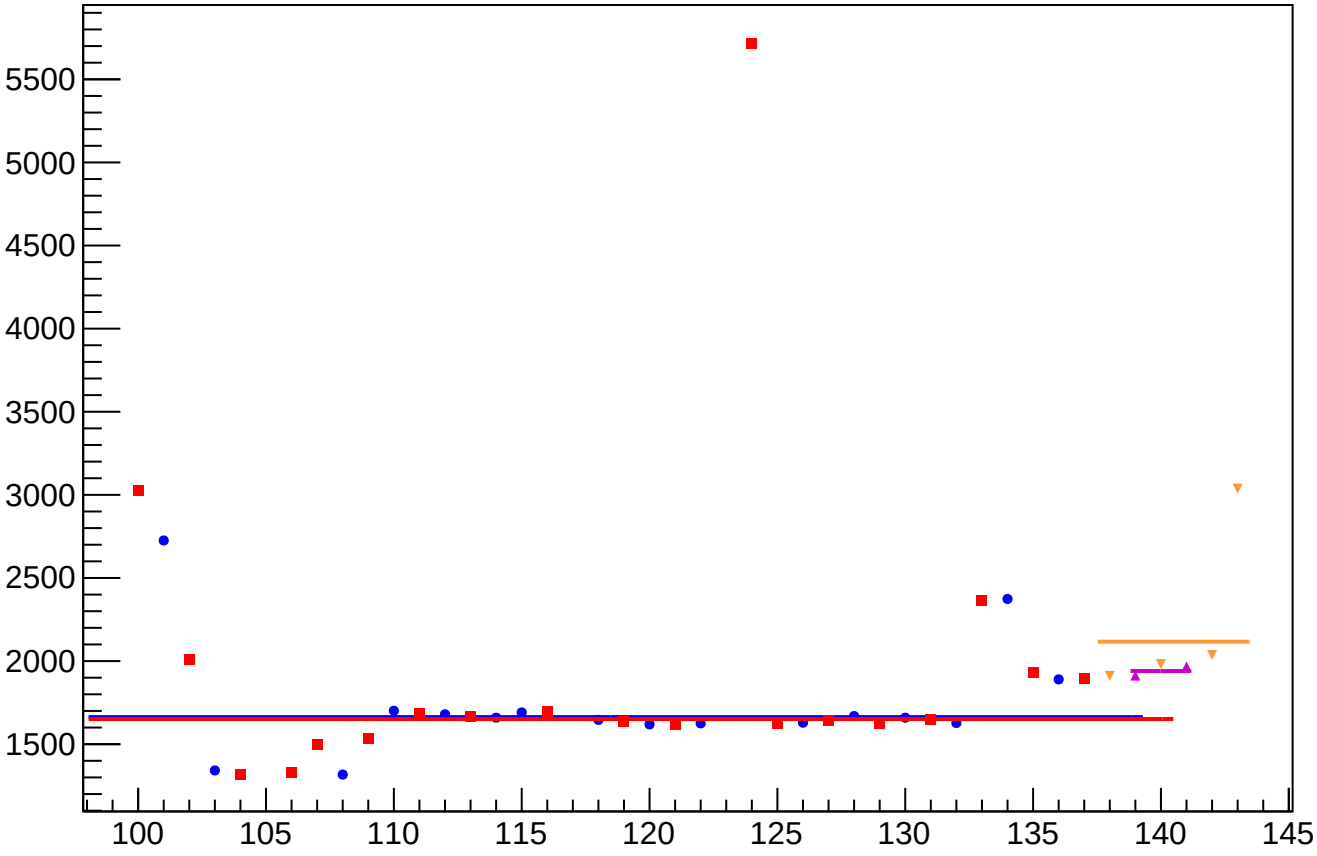
Left In: -3981.542+/-1475.079 χ^2/NDF:0.1/1

+ sign 2916.494+/-562.632 χ^2/NDF: 11.5/19

All: 335.606+/-401.366 χ^2/NDF: 69.9/40

- sign -2338.825+/-572.737 χ^2/NDF: 15.6/20

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

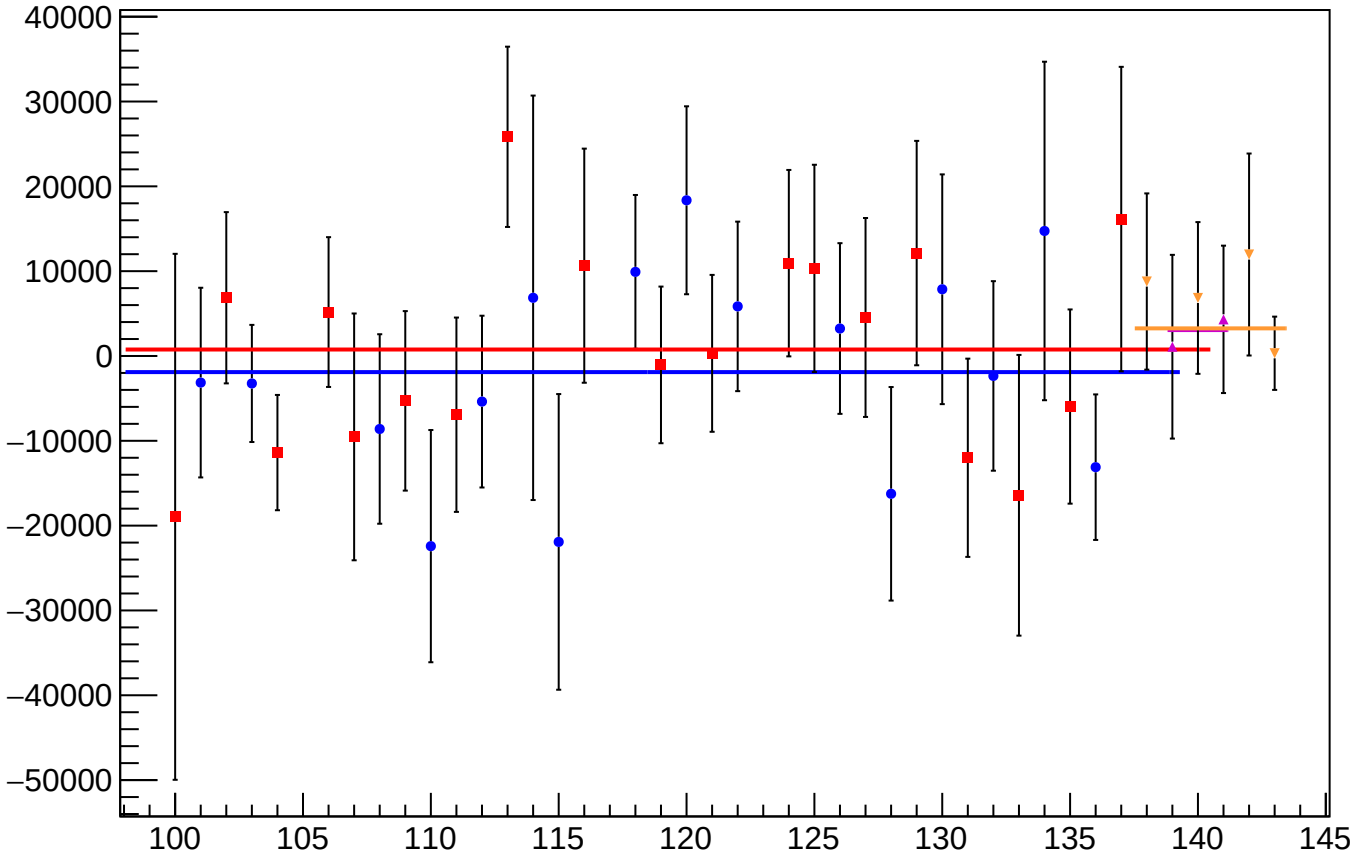
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

+ sign 1752.398+/-0.398 χ^2/NDF: 798825.1/19

All: 1724.145+/-0.284 χ^2/NDF: 1306878.7/40

- sign 1694.868+/-0.405 χ^2/NDF: 497784.4/20



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3255.748+/-3482.848 χ^2/NDF:1.4/3

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

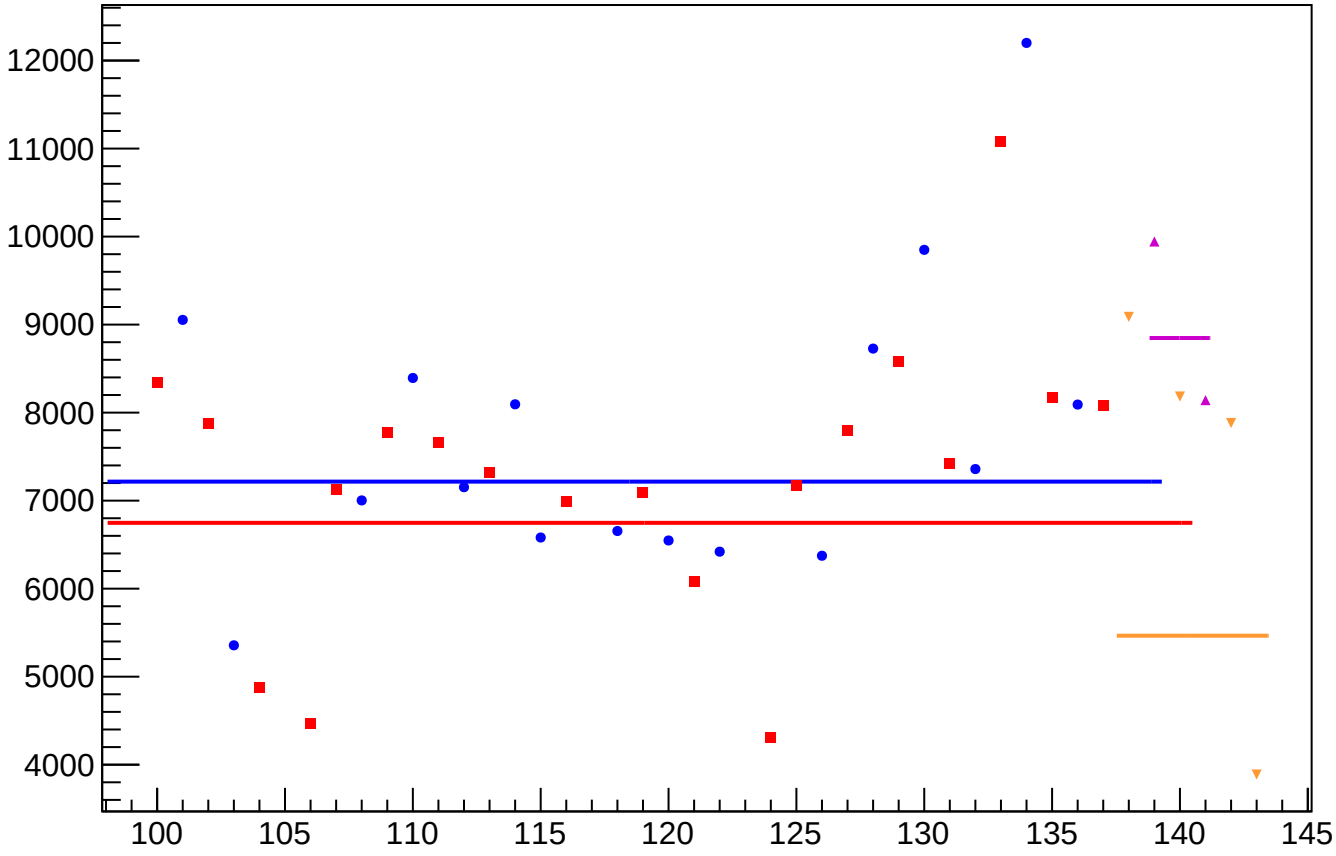
Left In: 3055.098+/-6777.632 χ^2/NDF:0.1/1

\+ sign 70.939+/-2153.445 χ^2/NDF: 17.1/19

All: 508.876+/-1598.814 χ^2/NDF: 34.7/40

\- sign 1046.786+/-2386.620 χ^2/NDF: 17.4/20

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5465.609+/-2.463 χ^2/NDF:776959.6/3

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

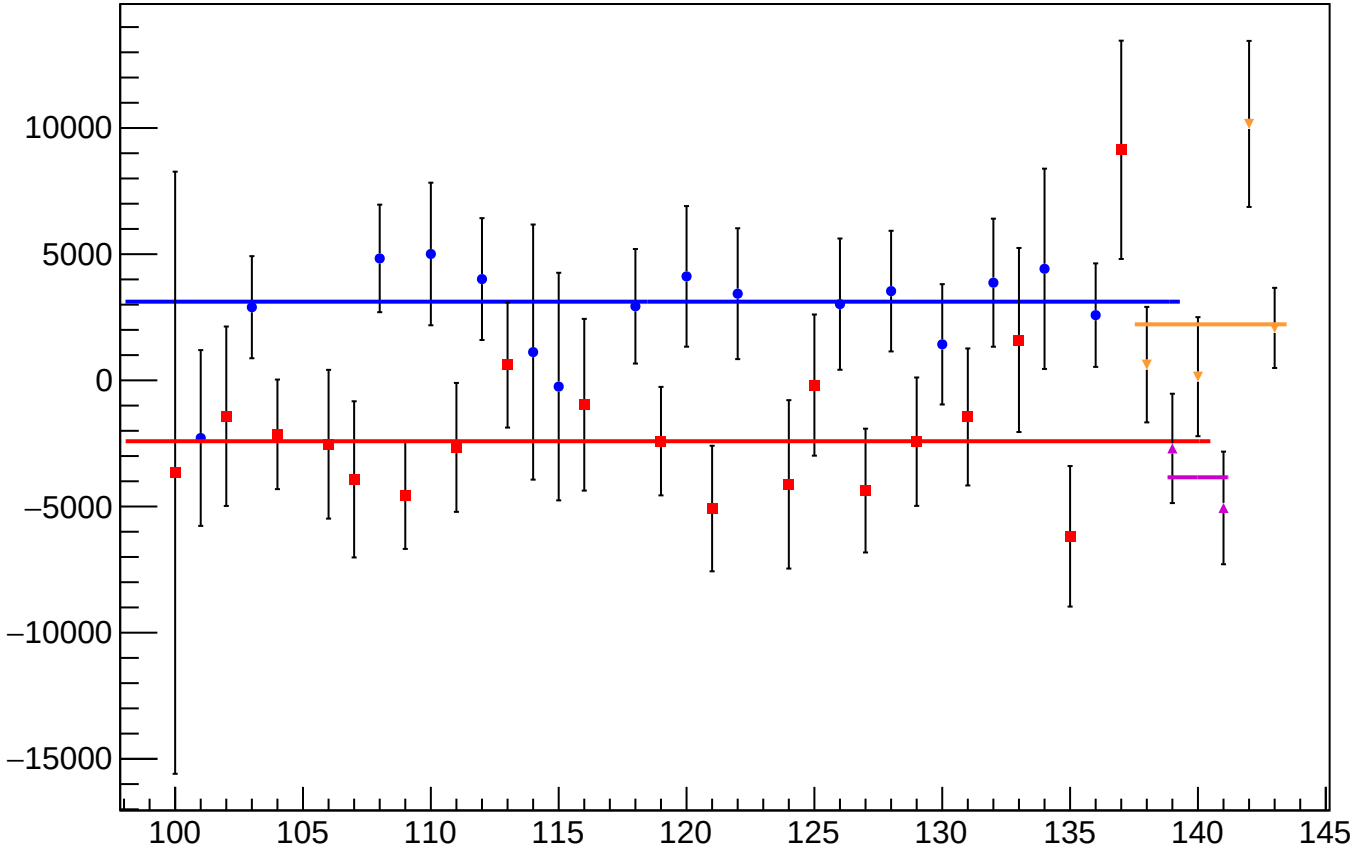
Left In: 8847.734+/-4.793 χ^2/NDF:33692.3/1

+ sign 6546.852+/-1.523 χ^2/NDF: 1601137.9/19

All: 6753.862+/-1.131 χ^2/NDF: 2553002.8/40

- sign 7008.129+/-1.688 χ^2/NDF: 910682.2/20

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 2219.275+/-1078.543 χ^2/NDF:7.1/3

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

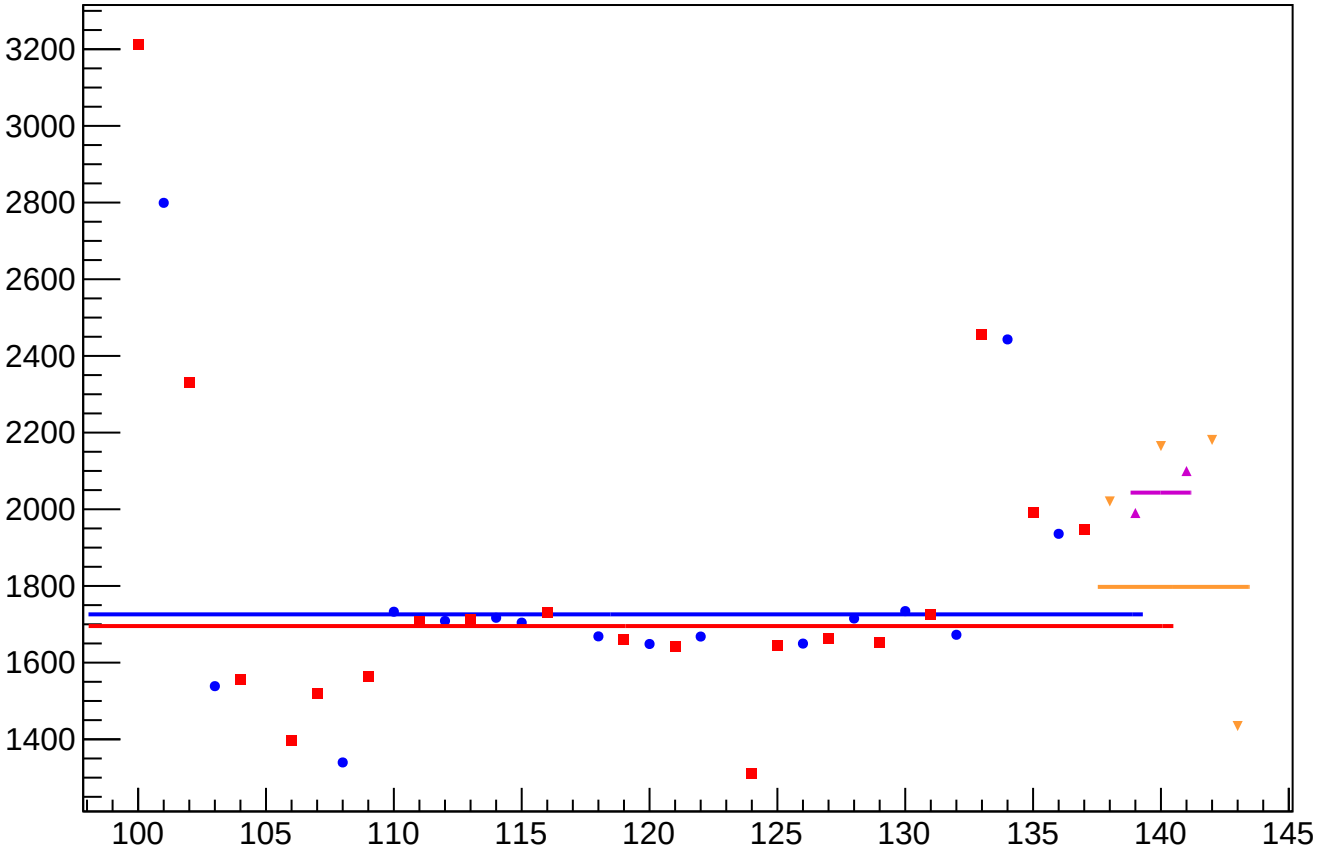
Left In: -3842.124+/-1554.671 χ^2/NDF:0.6/1

+ sign 2877.855+/-557.417 χ^2/NDF: 12.9/19

All: 290.165+/-405.519 χ^2/NDF: 76.0/40

- sign -2619.099+/-591.038 χ^2/NDF: 17.3/20

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1797.578+/-0.763 χ^2/NDF:199078.5/3

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

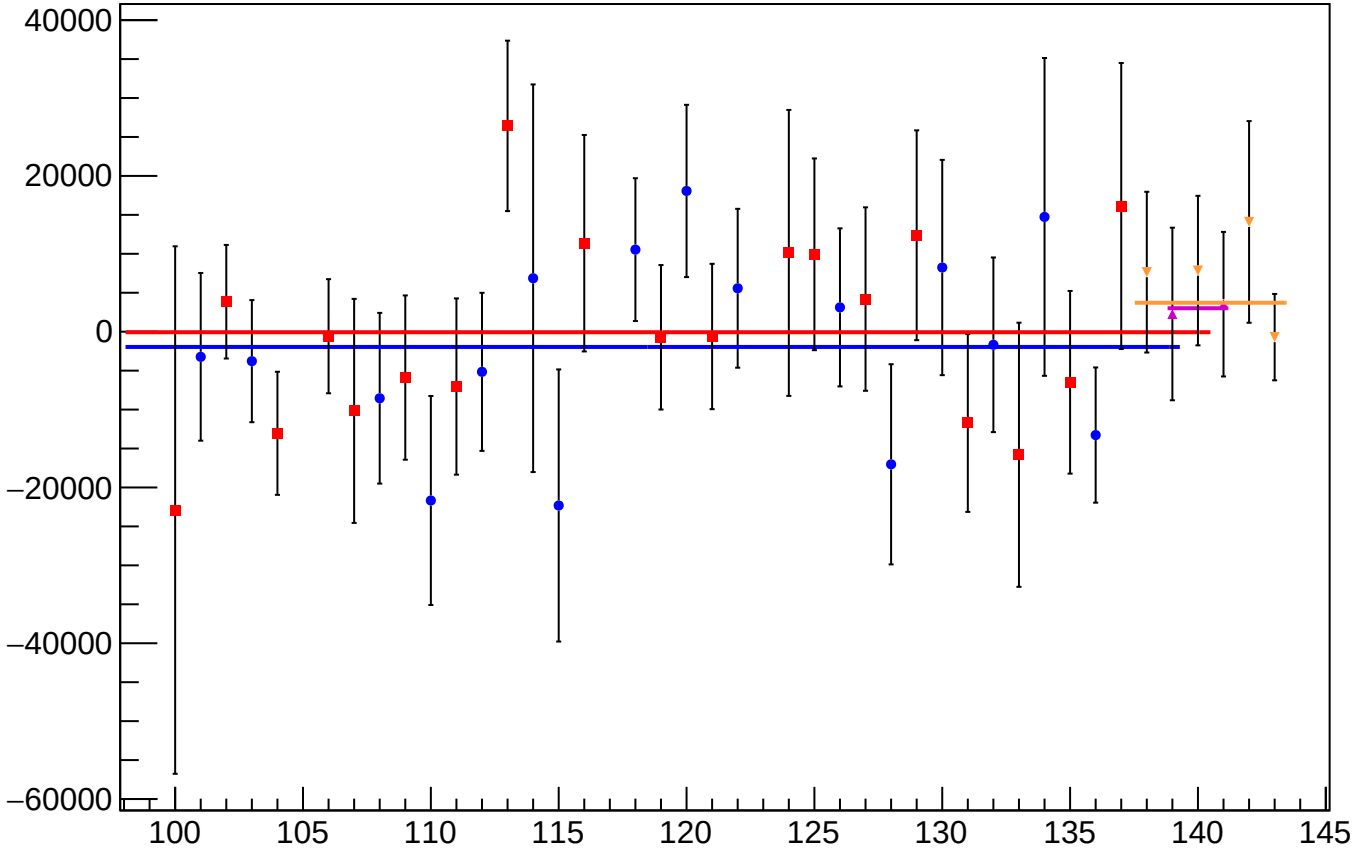
Left In: 2043.421+/-1.099 χ^2/NDF:2475.6/1

\+ sign 1745.054+/-0.394 χ^2/NDF: 571189.4/19

All: 1745.337+/-0.287 χ^2/NDF: 945040.9/40

\- sign 1745.656+/-0.418 χ^2/NDF: 373850.4/20

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 3715.539+/-4125.691 χ^2/NDF:1.6/3

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

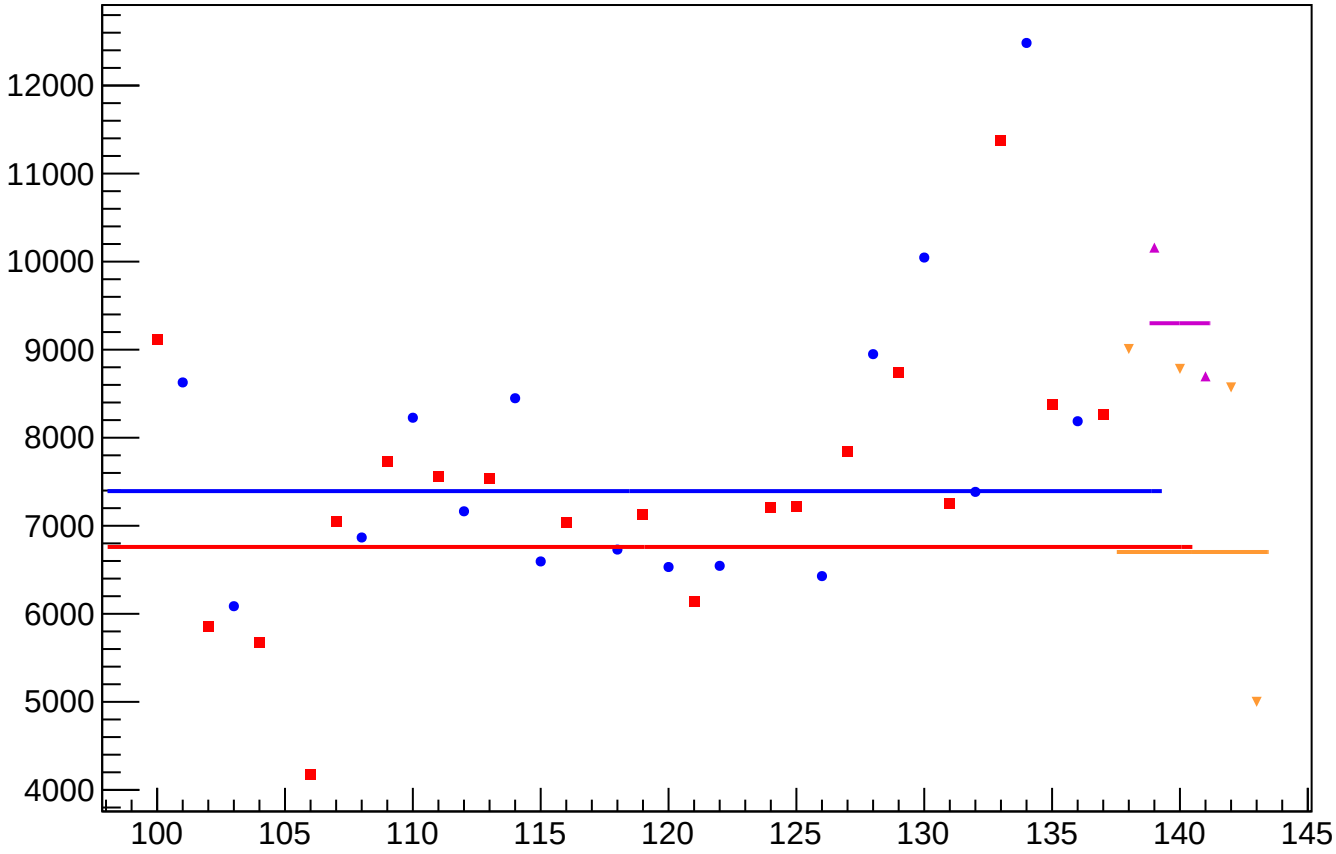
Left In: 3011.596+/-7114.105 χ^2/NDF:0.0/1

+ sign -170.717+/-2315.863 χ^2/NDF: 17.3/19

All: 46.958+/-1660.909 χ^2/NDF: 33.6/40

- sign 277.505+/-2383.350 χ^2/NDF: 16.3/20

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 6702.139+/-2.917 χ^2/NDF:423868.3/3

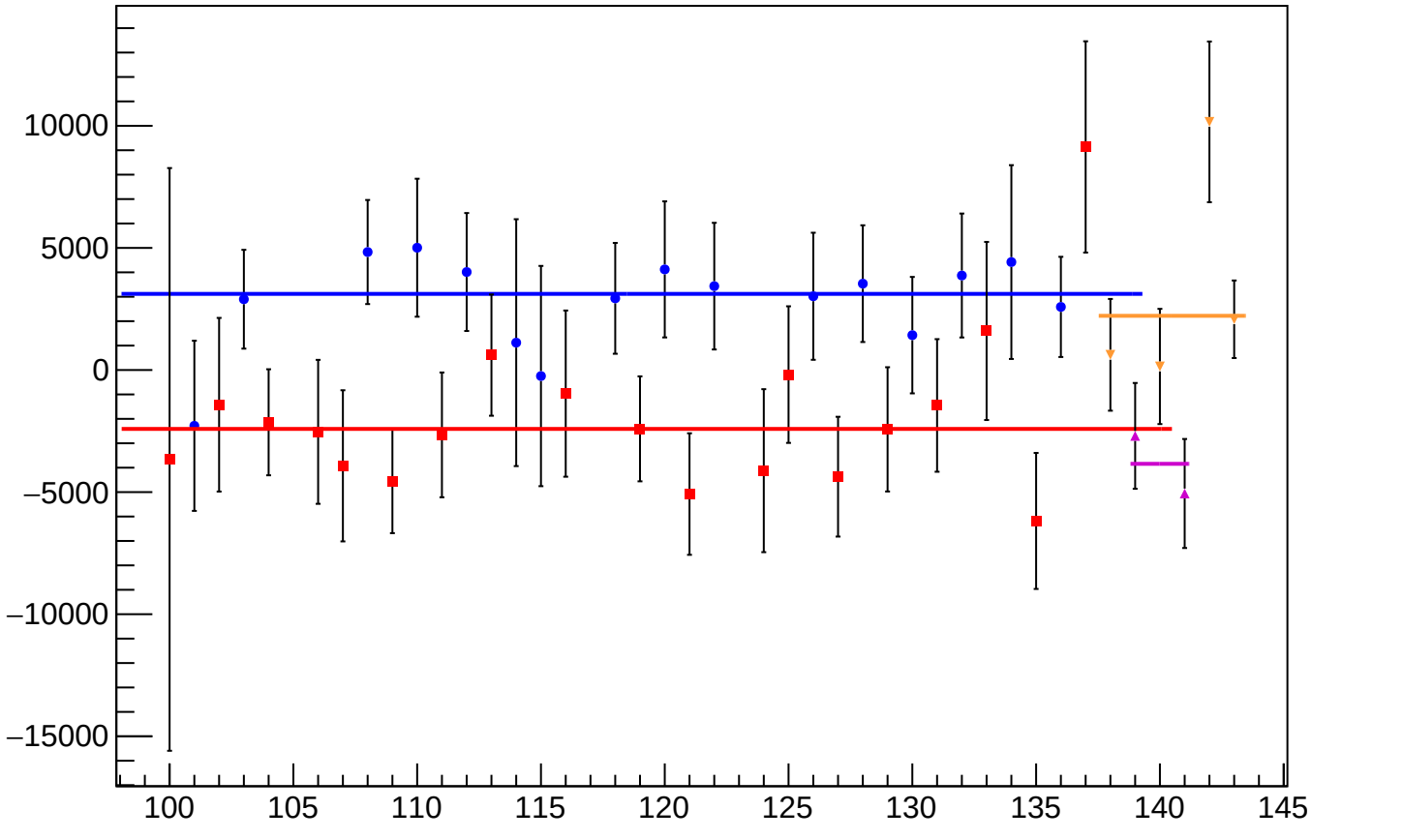
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9300.263+/-5.030 χ^2/NDF:20471.7/1

+ sign 7175.744+/-1.638 χ^2/NDF: 864175.0/19

All: 7112.056+/-1.174 χ^2/NDF: 1758537.4/40

- sign 7044.603+/-1.685 χ^2/NDF: 891247.8/20



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 2219.276+/-1078.544 χ^2/NDF:7.1/3

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

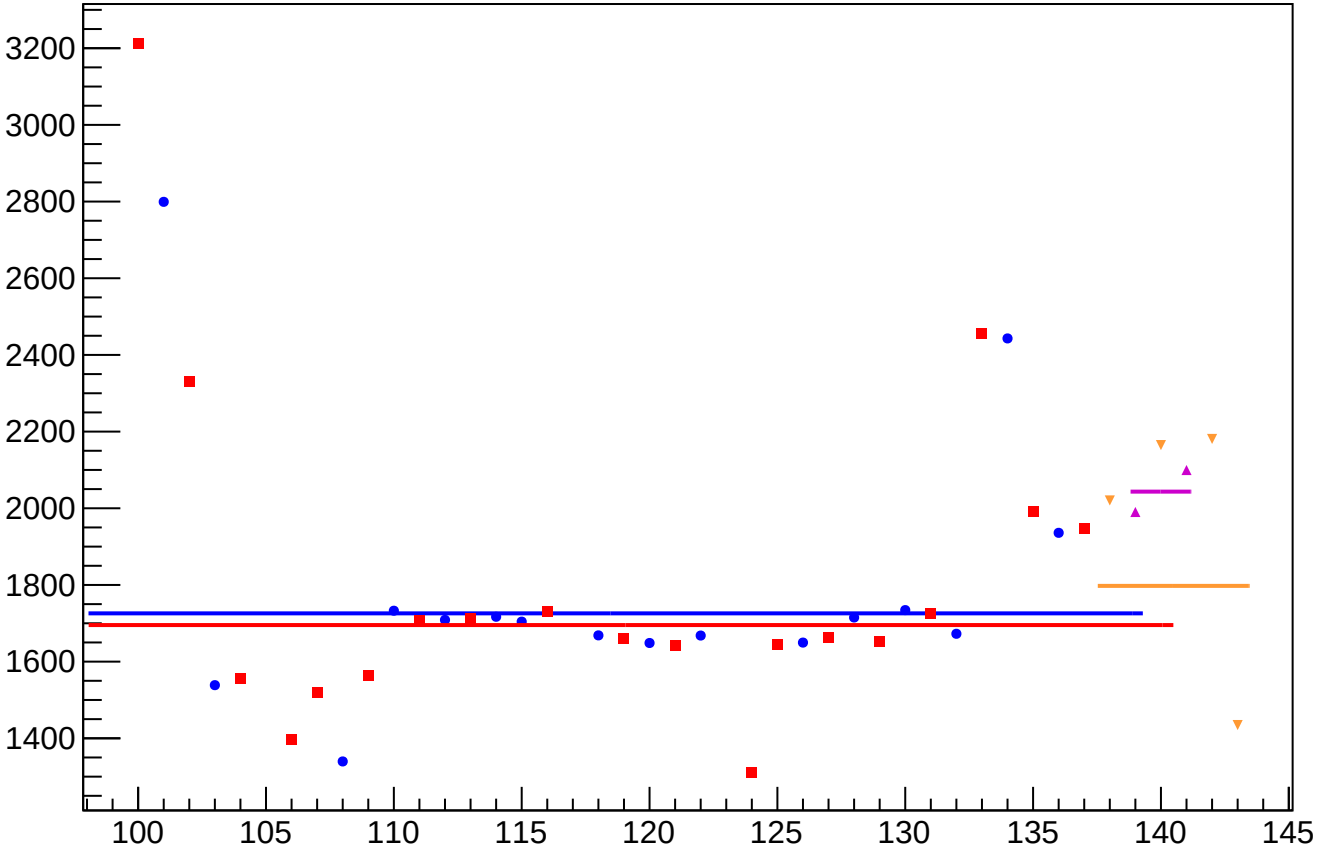
Left In: -3842.099+/-1554.672 χ^2/NDF:0.6/1

+ sign 2877.858+/-557.417 χ^2/NDF: 12.9/19

All: 290.165+/-405.519 χ^2/NDF: 76.0/40

- sign -2619.102+/-591.038 χ^2/NDF: 17.3/20

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1797.580+/-0.763 χ^2/NDF:199078.0/3

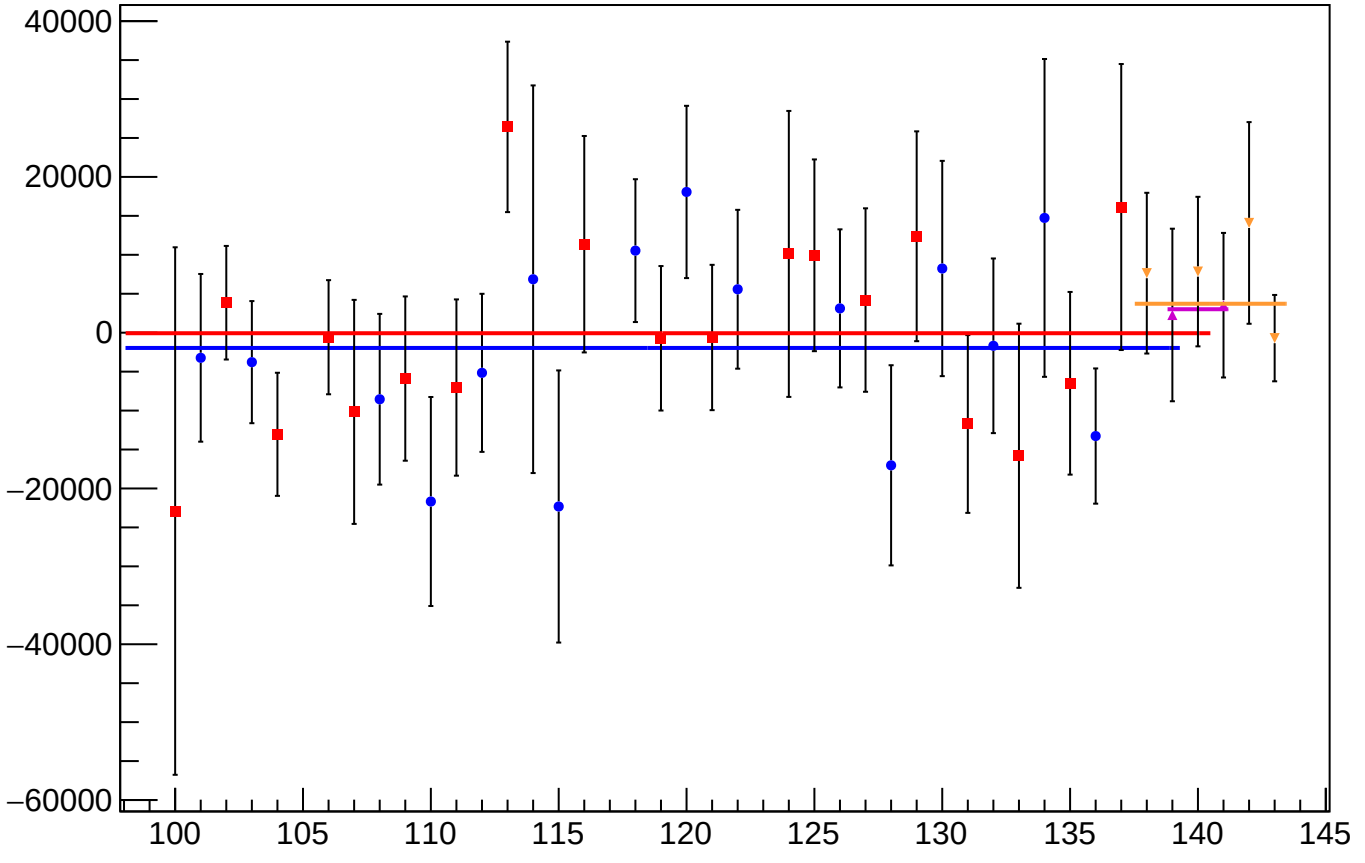
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 2043.424+/-1.099 χ^2/NDF:2475.4/1

+ sign 1745.054+/-0.394 χ^2/NDF: 571189.5/19

All: 1745.338+/-0.287 χ^2/NDF: 945042.3/40

- sign 1745.656+/-0.418 χ^2/NDF: 373851.8/20



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 3715.542+/-4125.699 χ^2/NDF:1.6/3

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

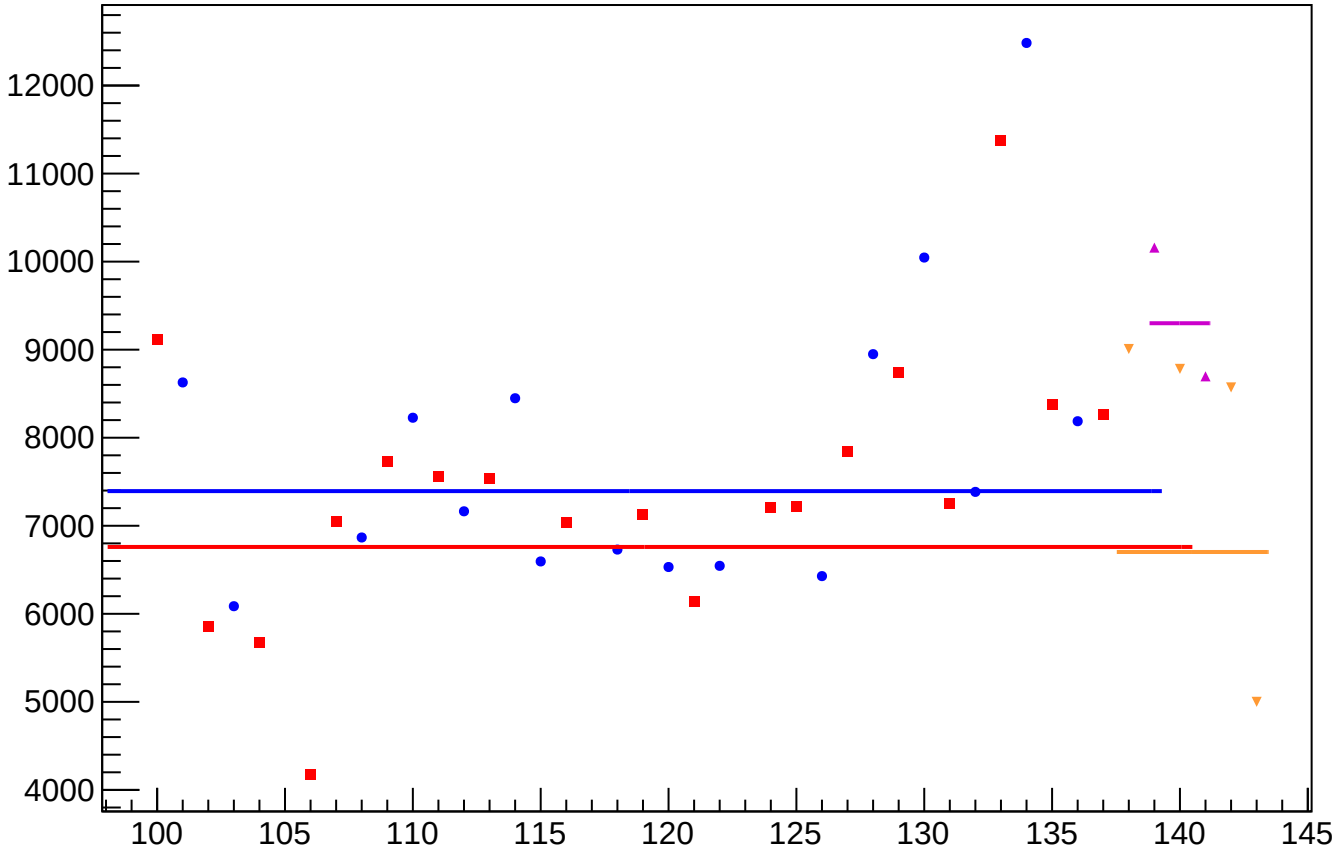
Left In: 3011.618+/-7114.116 χ^2/NDF:0.0/1

+ sign -170.712+/-2315.861 χ^2/NDF: 17.3/19

All: 46.958+/-1660.907 χ^2/NDF: 33.6/40

- sign 277.499+/-2383.346 χ^2/NDF: 16.3/20

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 6702.151+/-2.917 χ^2/NDF:423868.1/3

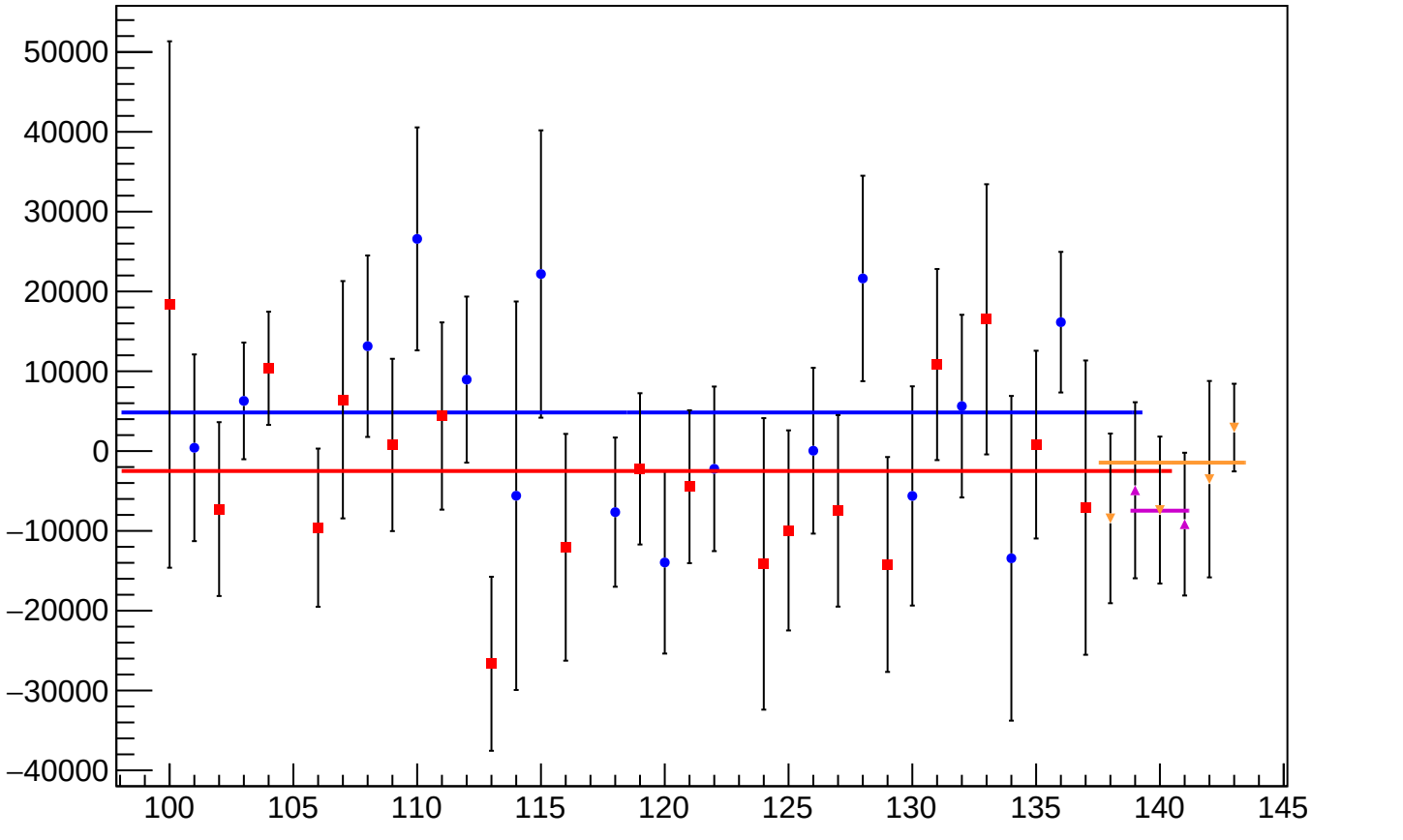
Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9300.277+/-5.030 χ^2/NDF:20472.3/1

+ sign 7175.737+/-1.638 χ^2/NDF: 864173.8/19

All: 7112.046+/-1.174 χ^2/NDF: 1758540.3/40

- sign 7044.590+/-1.685 χ^2/NDF: 891251.7/20



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1446.201+/-4068.261 χ^2/NDF:1.5/3

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

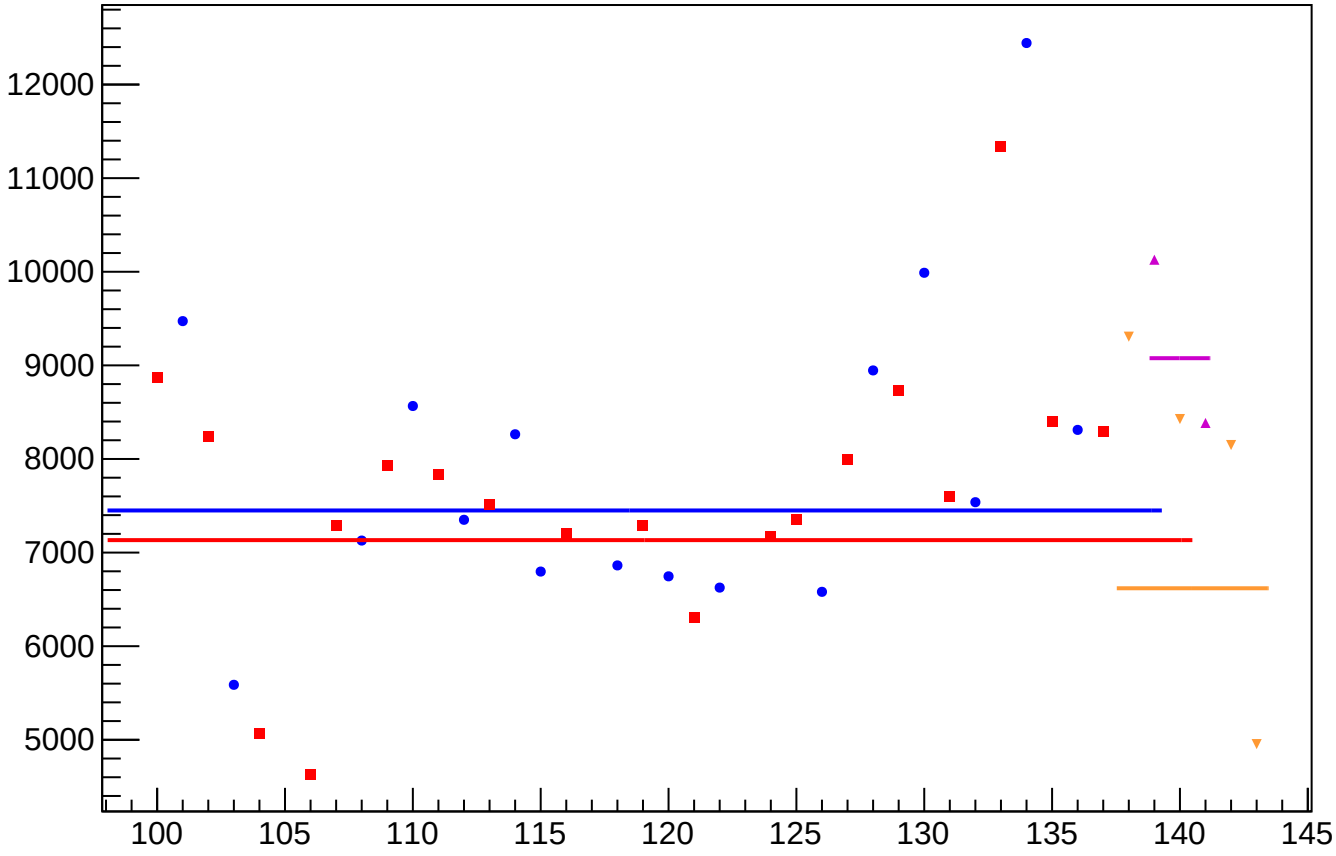
Left In: -7468.997+/-6947.646 χ^2/NDF:0.1/1

+ sign 2789.658+/-2322.588 χ^2/NDF: 17.5/19

All: 54.992+/-1705.672 χ^2/NDF: 35.9/40

- sign -3146.495+/-2513.020 χ^2/NDF: 15.5/20

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 6618.830+/-2.877 χ^2/NDF:419774.3/3

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

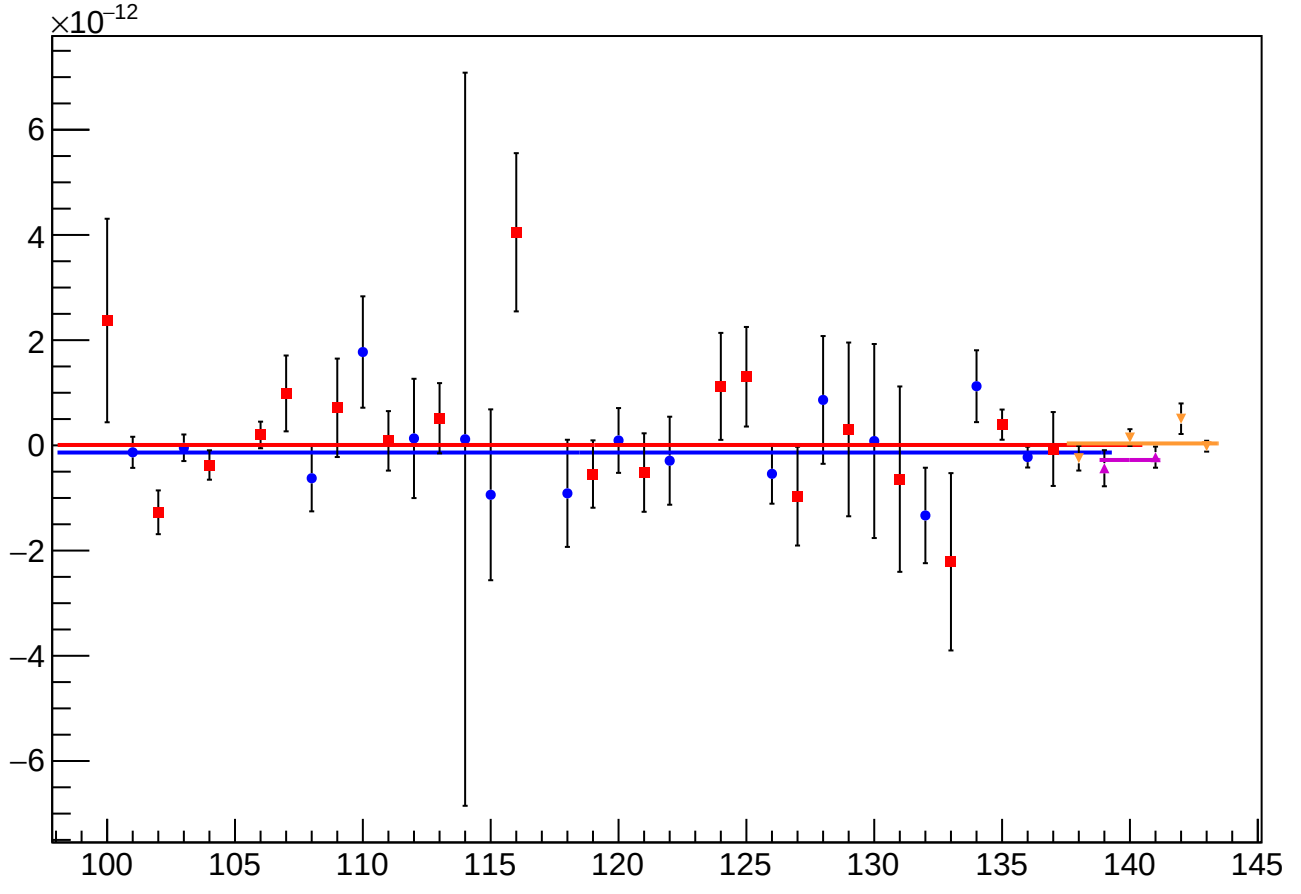
Left In: 9076.745+/-4.913 χ^2/NDF:30154.2/1

+ sign 7179.088+/-1.642 χ^2/NDF: 962472.9/19

All: 7275.047+/-1.206 χ^2/NDF: 1693078.7/40

- sign 7387.374+/-1.777 χ^2/NDF: 723195.6/20

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:4.8/3

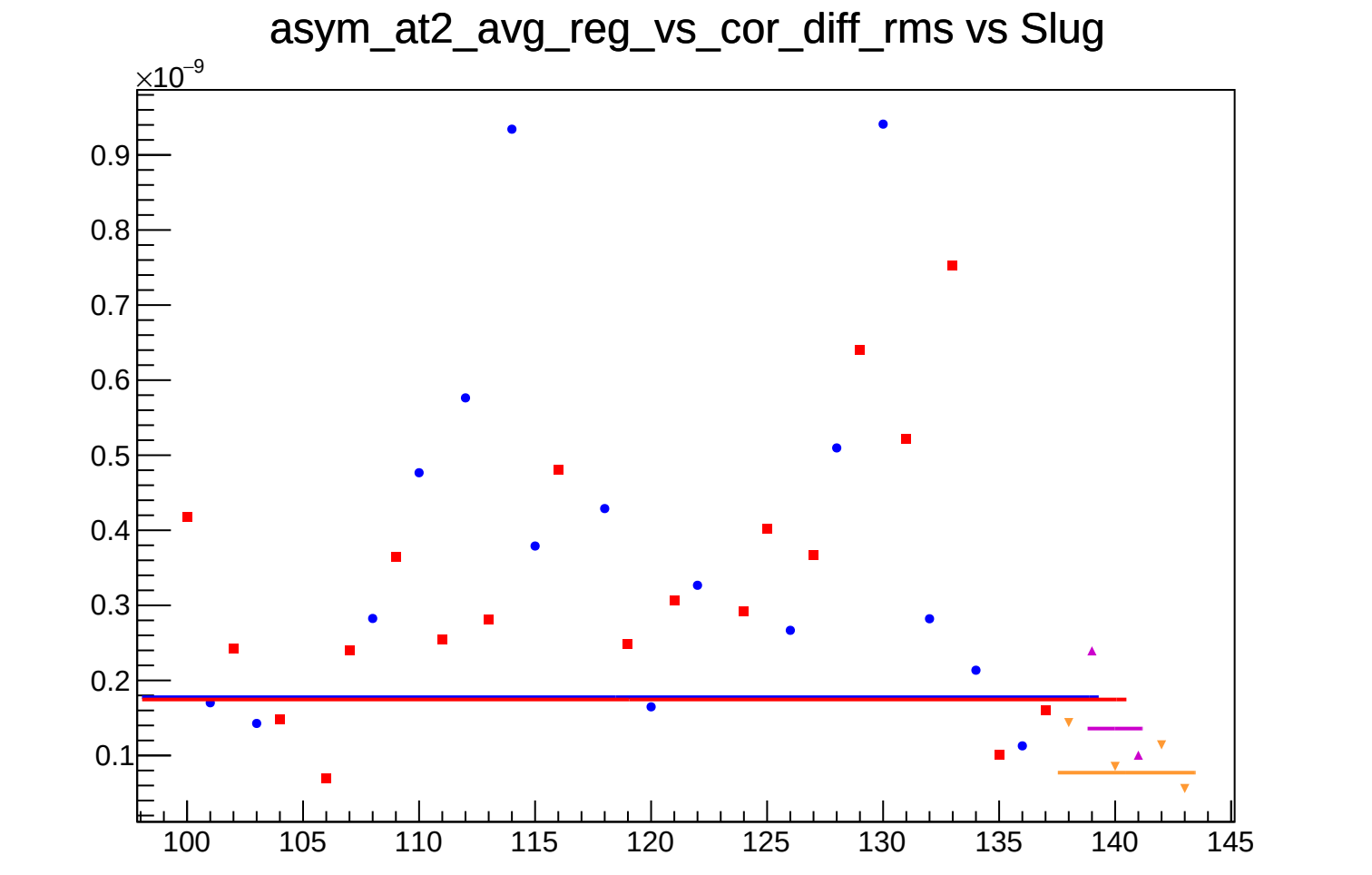
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

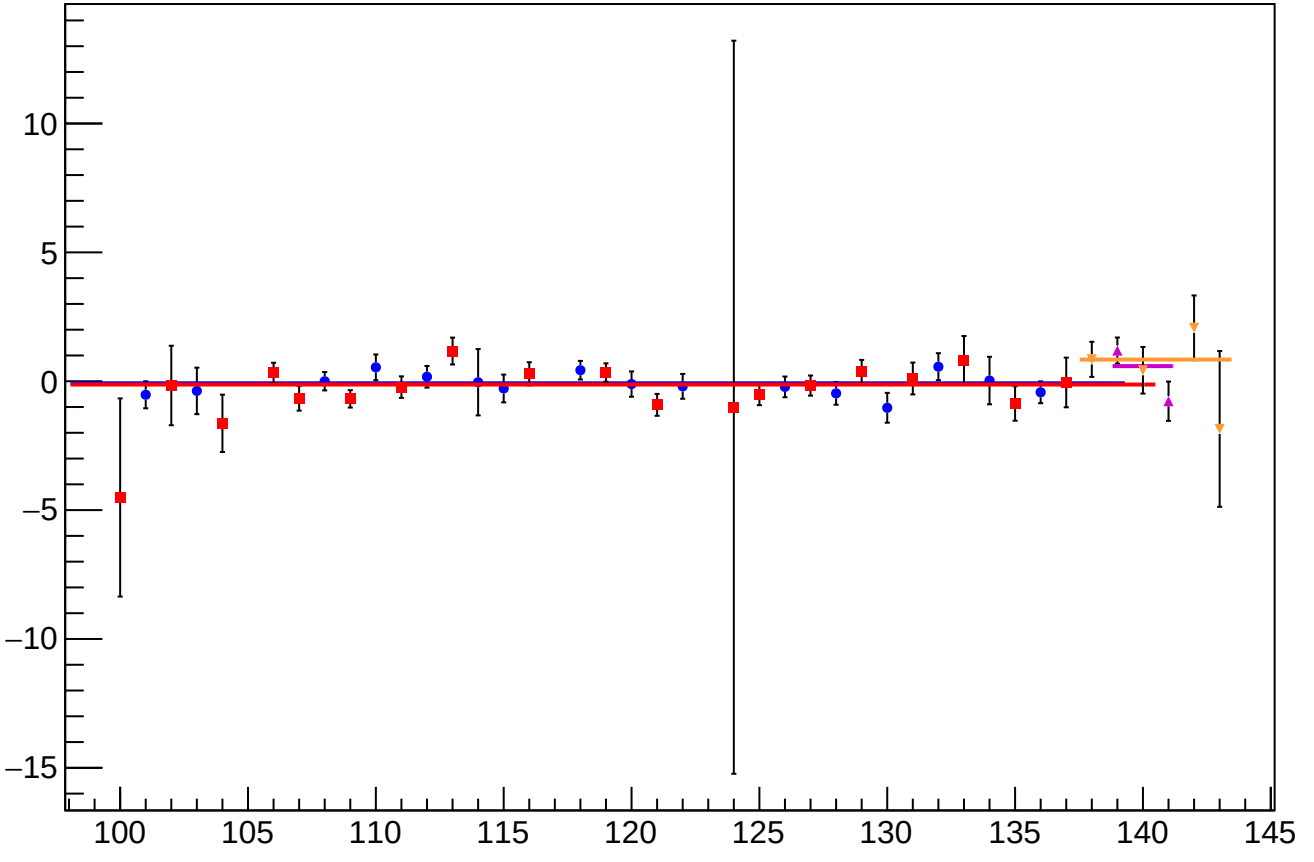
+ sign -0.000+/-0.000 χ^2/NDF: 17.8/19

All: -0.000+/-0.000 χ^2/NDF: 53.0/40

- sign -0.000+/-0.000 χ^2/NDF: 34.8/20


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:283691.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:244457.4/1
+ sign 0.000+/-0.000 χ²/NDF: 2799962.3/19
All: 0.000+/-0.000 χ²/NDF: 5164501.8/40
- sign 0.000+/-0.000 χ²/NDF: 1952199.0/20

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

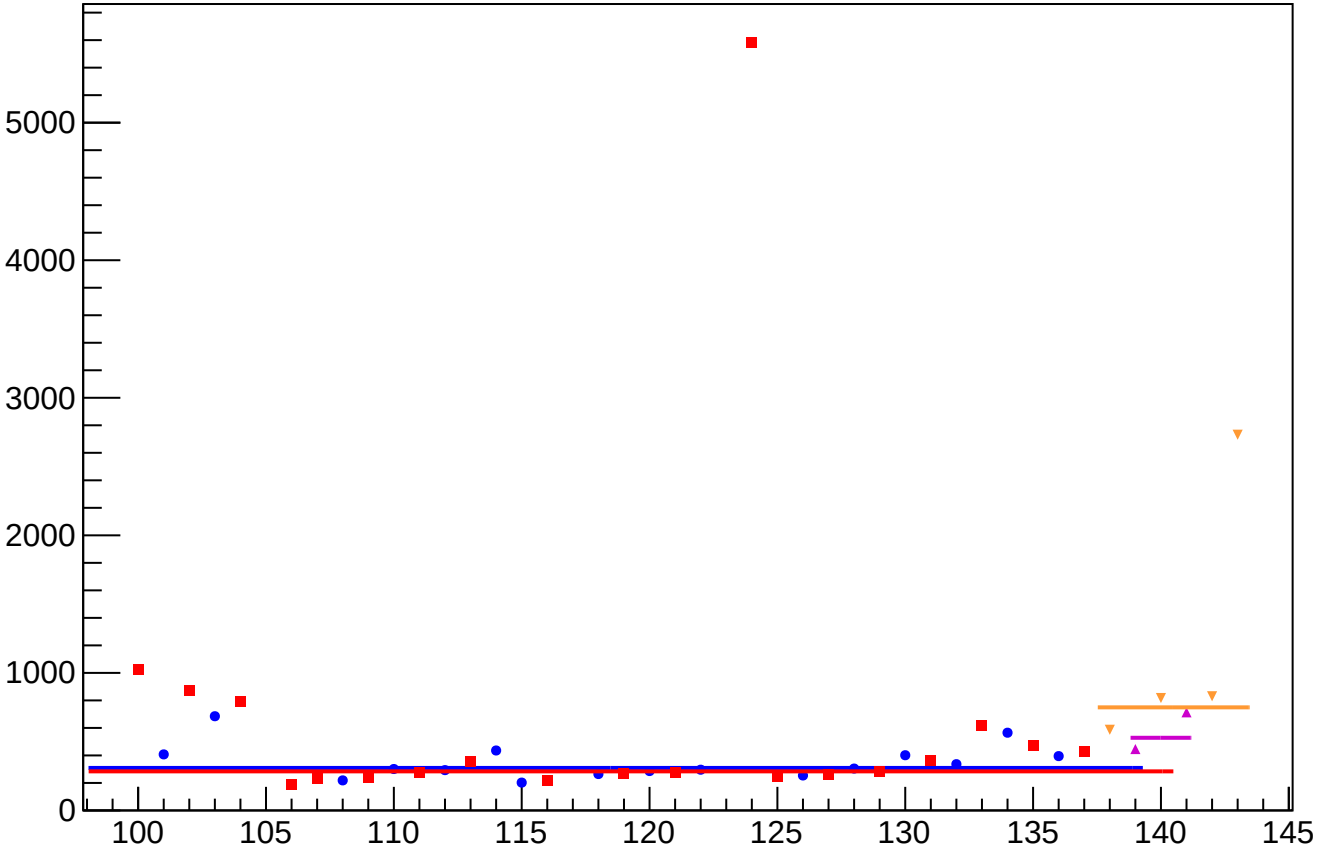
Left In: 0.587+/-0.422 χ^2/NDF:4.6/1

\+ sign -0.027+/-0.118 χ^2/NDF: 16.0/19

All: -0.053+/-0.082 χ^2/NDF: 48.6/40

\- sign -0.077+/-0.113 χ^2/NDF: 32.5/20

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 749.506+/-0.348 χ^2/NDF:993338.1/3

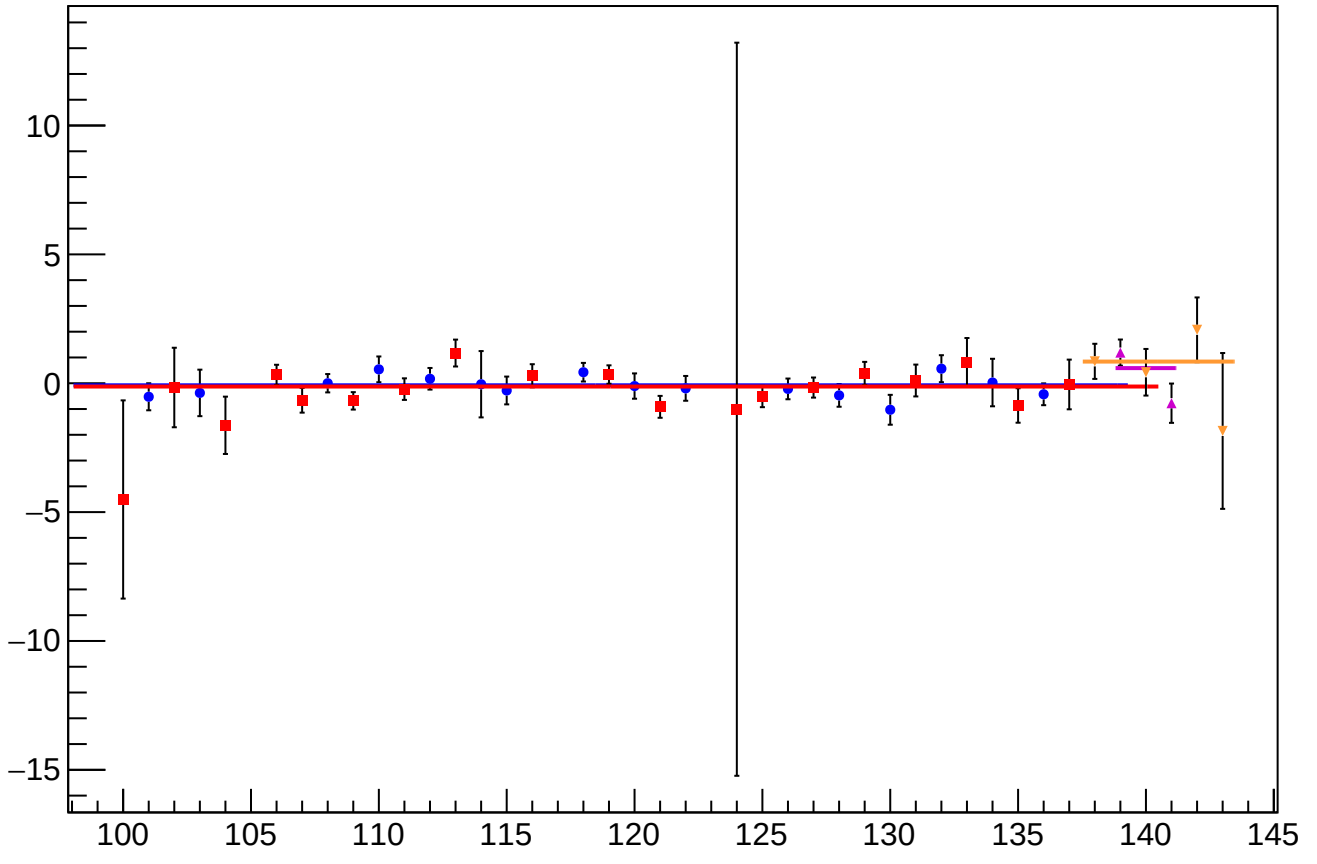
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 528.296+/-0.299 χ^2/NDF:169923.7/1

+ sign 334.485+/-0.084 χ^2/NDF: 3513887.6/19

All: 317.225+/-0.058 χ^2/NDF: 6242241.9/40

- sign 301.569+/-0.080 χ^2/NDF: 2647165.6/20



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

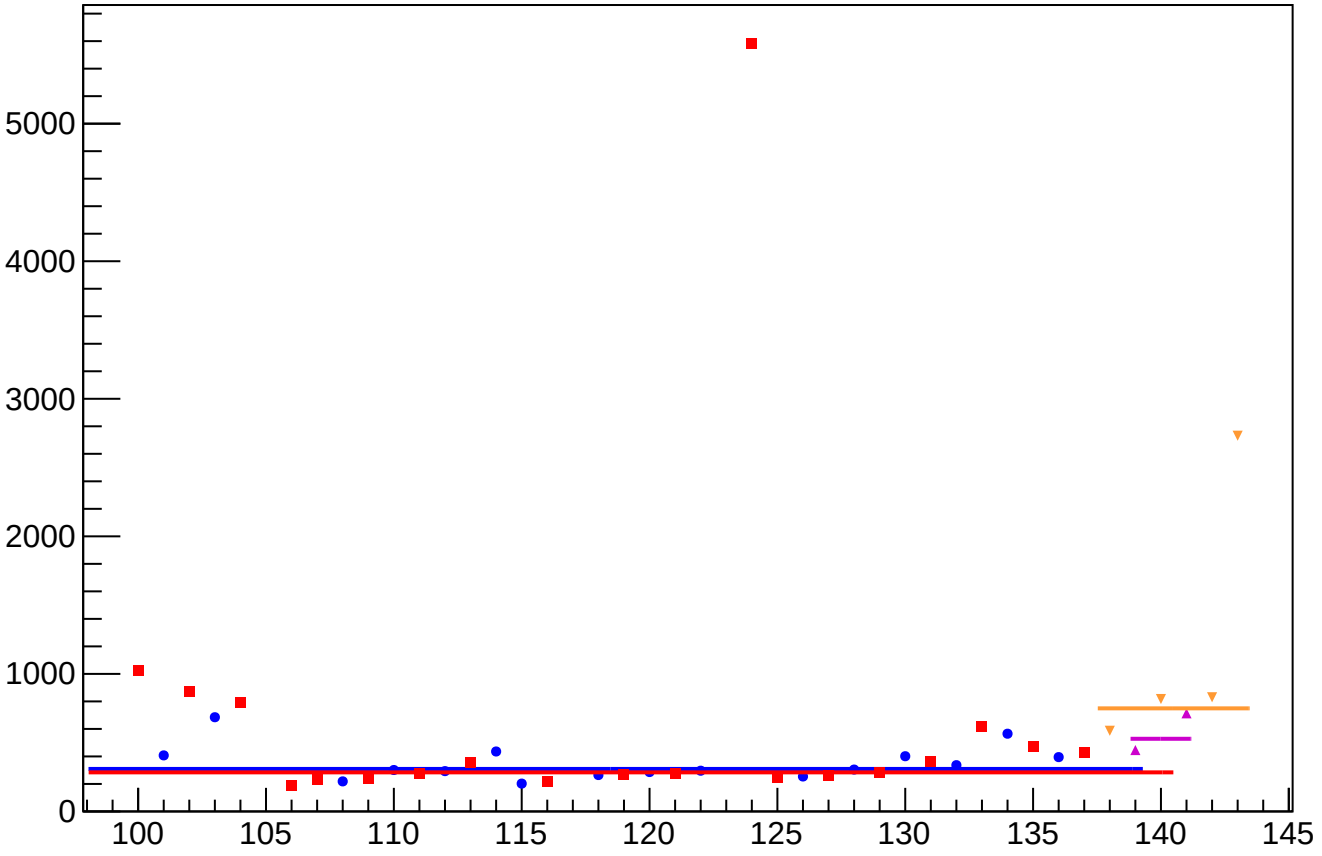
Left In: 0.587+/-0.422 χ^2/NDF:4.6/1

+ sign -0.027+/-0.118 χ^2/NDF: 16.0/19

All: -0.053+/-0.082 χ^2/NDF: 48.6/40

- sign -0.077+/-0.113 χ^2/NDF: 32.5/20

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 749.506+/-0.348 χ^2/NDF:993338.1/3

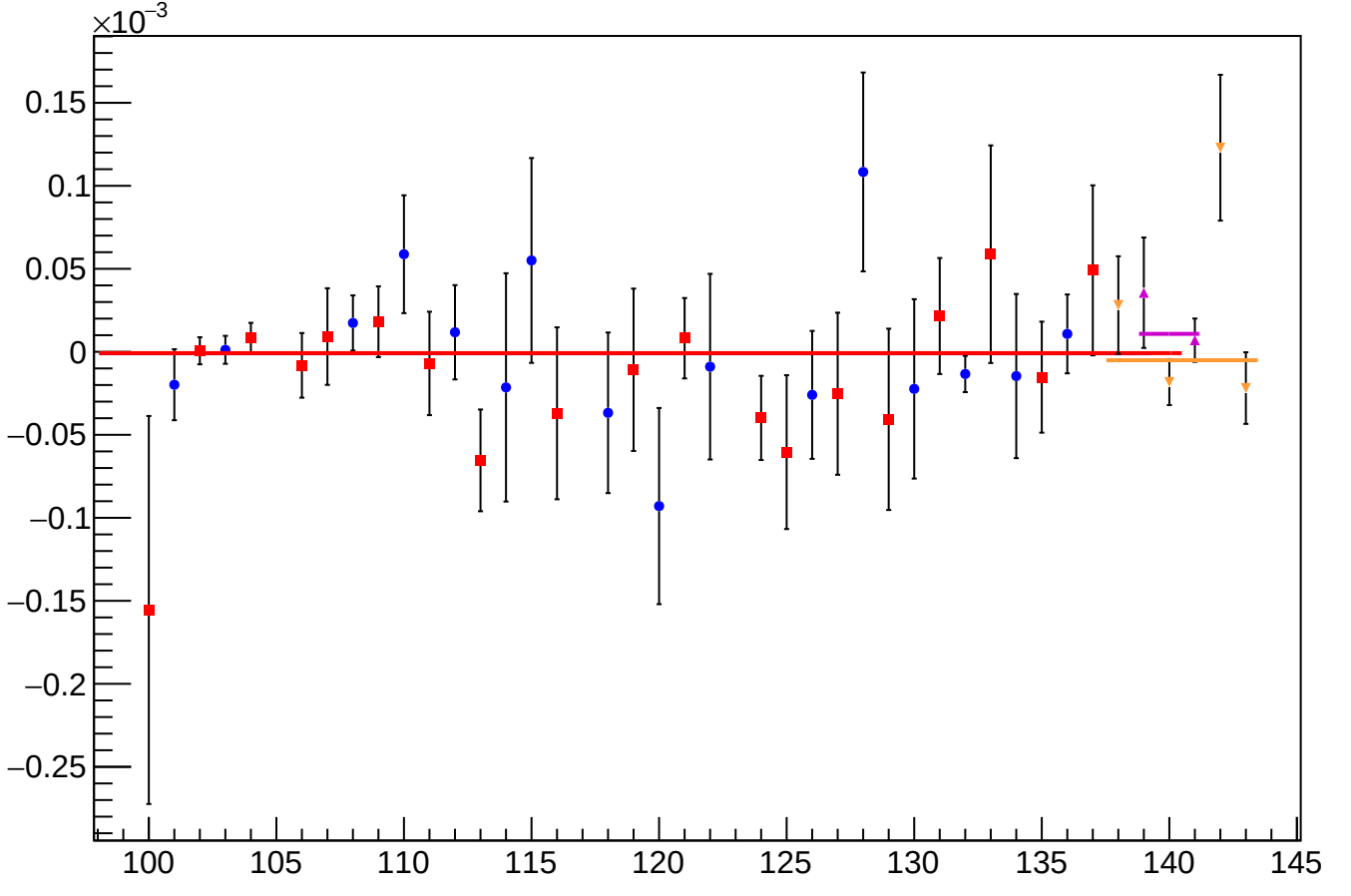
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 528.296+/-0.299 χ^2/NDF:169923.7/1

+ sign 334.485+/-0.084 χ^2/NDF: 3513887.6/19

All: 317.225+/-0.058 χ^2/NDF: 6242241.9/40

- sign 301.569+/-0.080 χ^2/NDF: 2647165.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

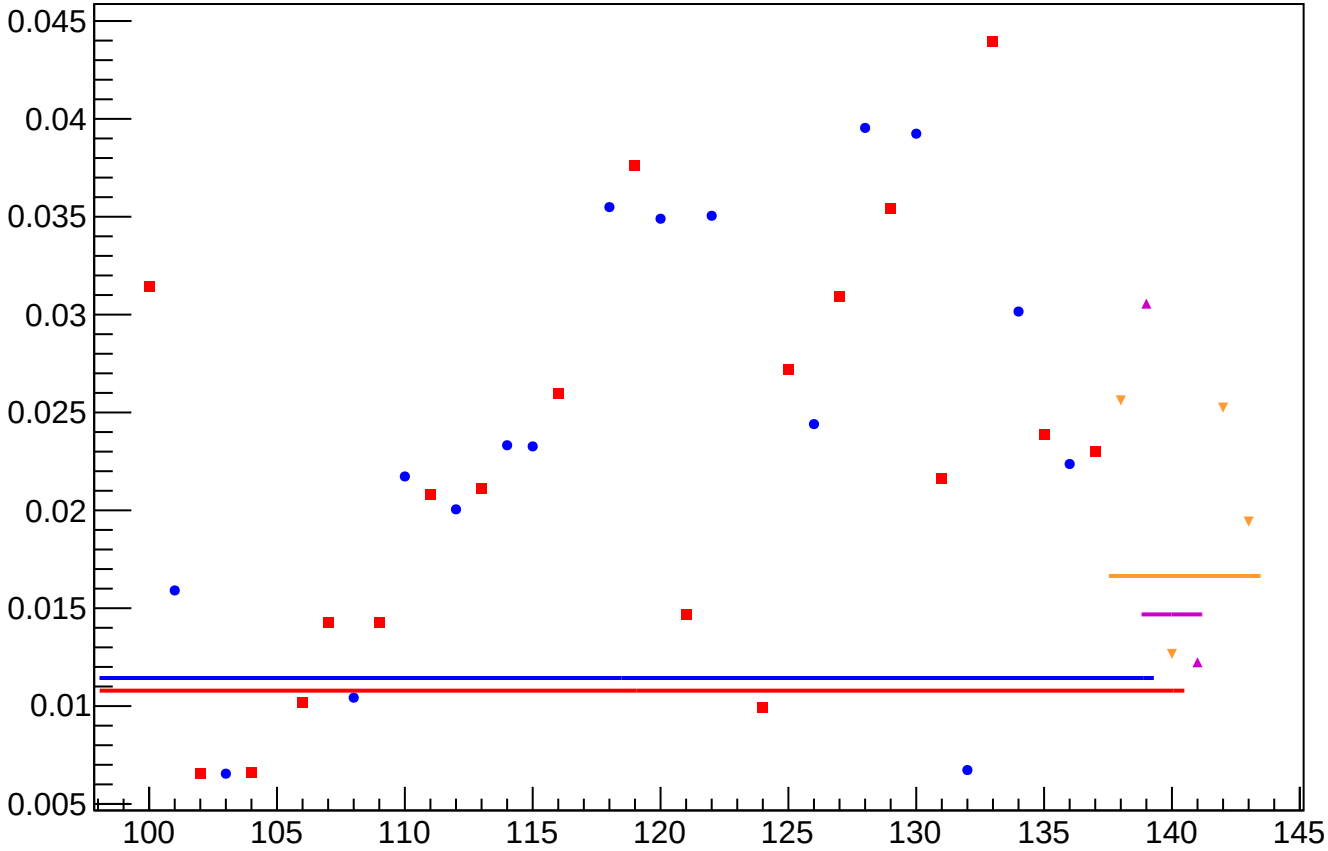
Left In: 0.000+/-0.000 χ^2/NDF:0.6/1

+ sign -0.000+/-0.000 χ^2/NDF: 25.9/19

All: -0.000+/-0.000 χ^2/NDF: 43.6/40

- sign 0.000+/-0.000 χ^2/NDF: 17.6/20

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.017+/-0.000 χ^2/NDF:461574.6/3

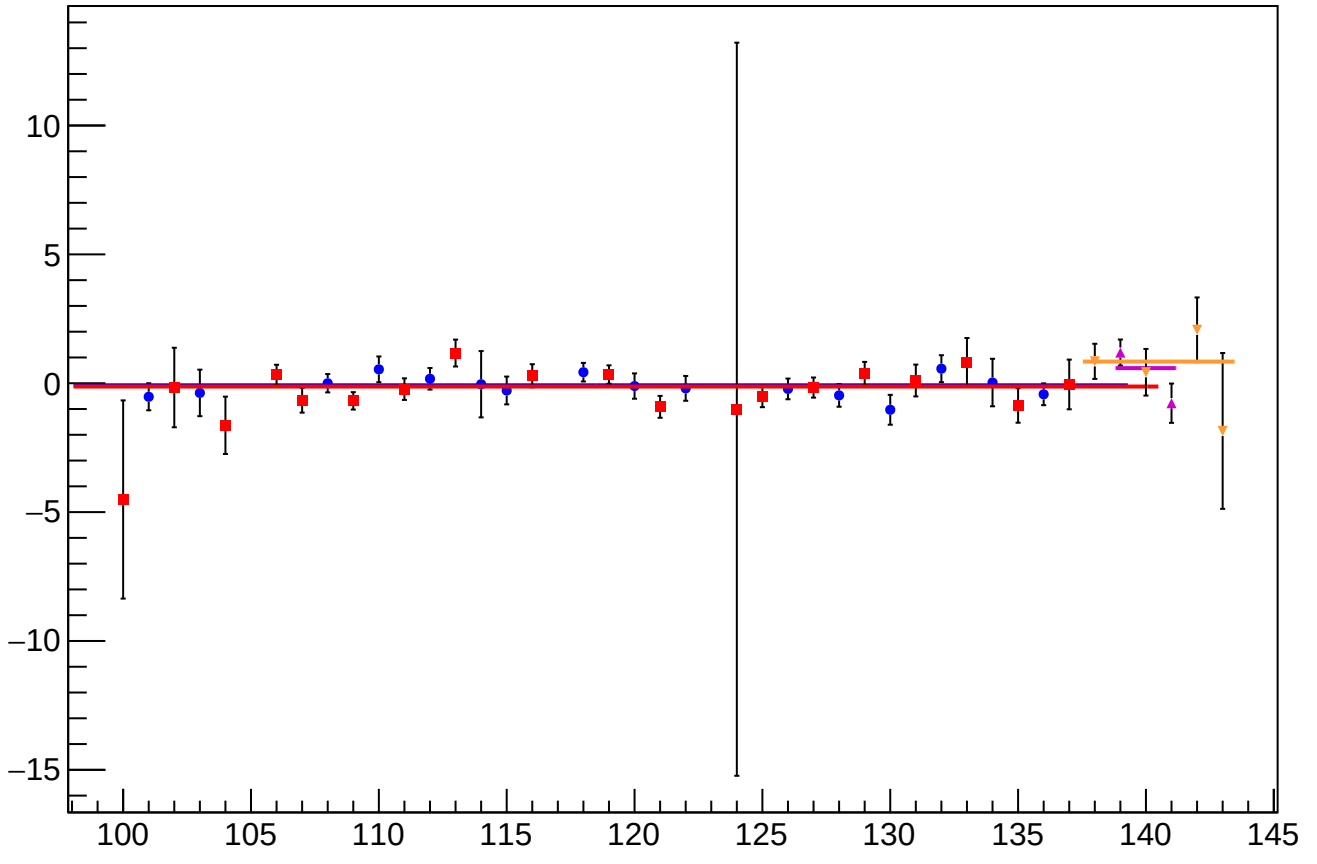
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.015+/-0.000 χ^2/NDF:526056.1/1

+ sign 0.012+/-0.000 χ^2/NDF: 5552943.5/19

All: 0.012+/-0.000 χ^2/NDF: 10794632.6/40

- sign 0.011+/-0.000 χ^2/NDF: 5177227.1/20



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

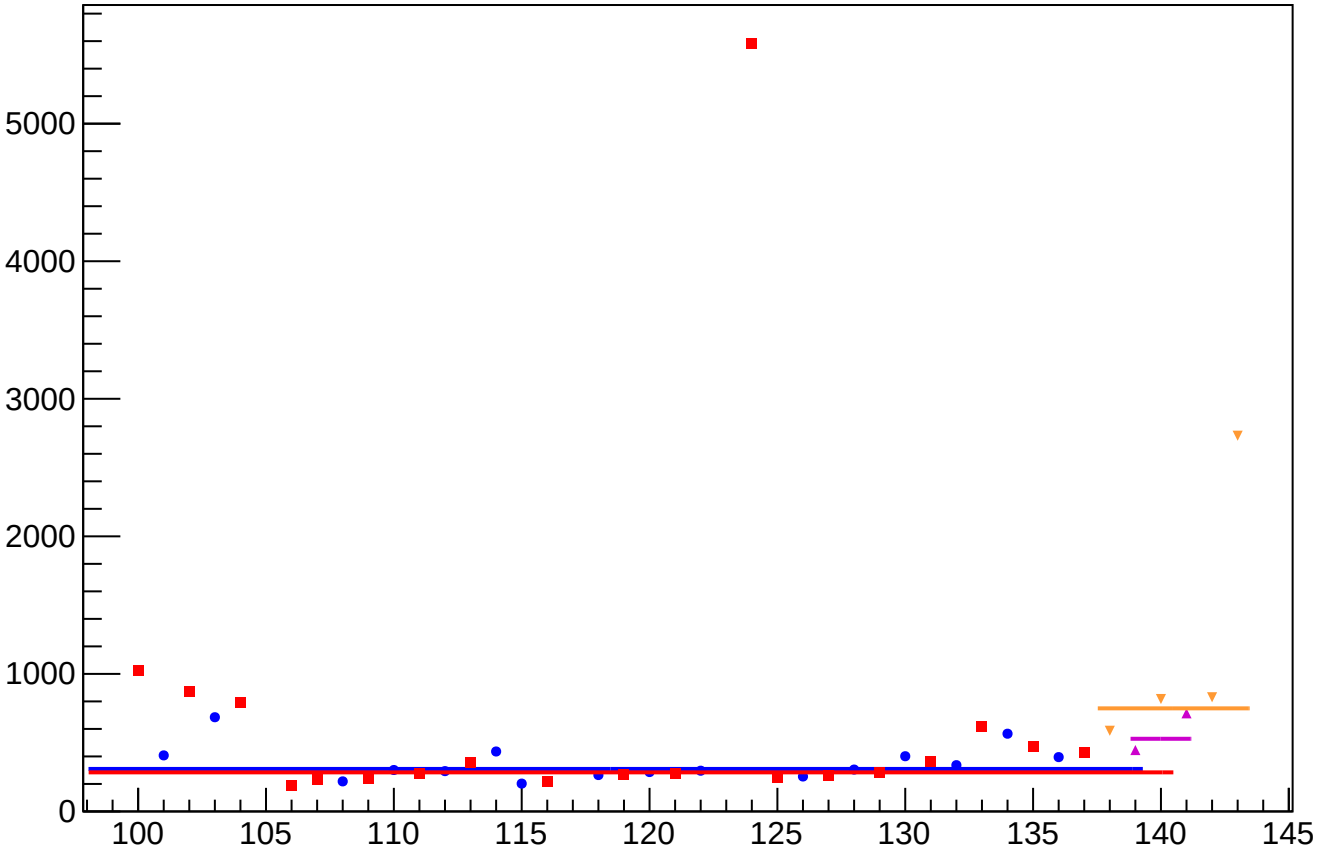
Left In: 0.587+/-0.422 χ^2/NDF:4.6/1

+ sign -0.027+/-0.118 χ^2/NDF: 16.0/19

All: -0.053+/-0.082 χ^2/NDF: 48.6/40

- sign -0.077+/-0.113 χ^2/NDF: 32.5/20

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: 749.513+/-0.348 χ^2/NDF:993331.0/3

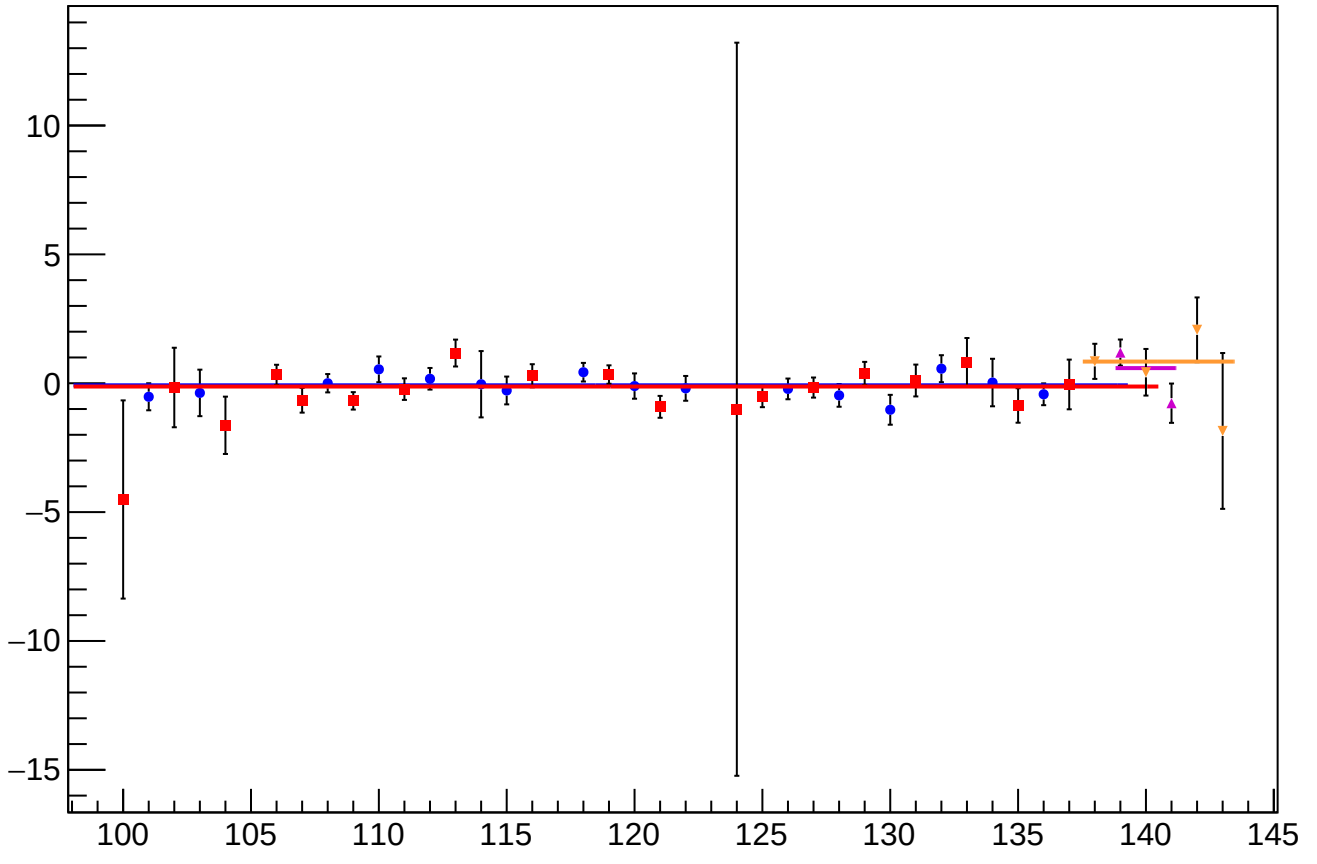
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 528.306+/-0.299 χ^2/NDF:169911.8/1

+ sign 334.484+/-0.084 χ^2/NDF: 3513881.3/19

All: 317.224+/-0.058 χ^2/NDF: 6242239.9/40

- sign 301.568+/-0.080 χ^2/NDF: 2647171.1/20



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

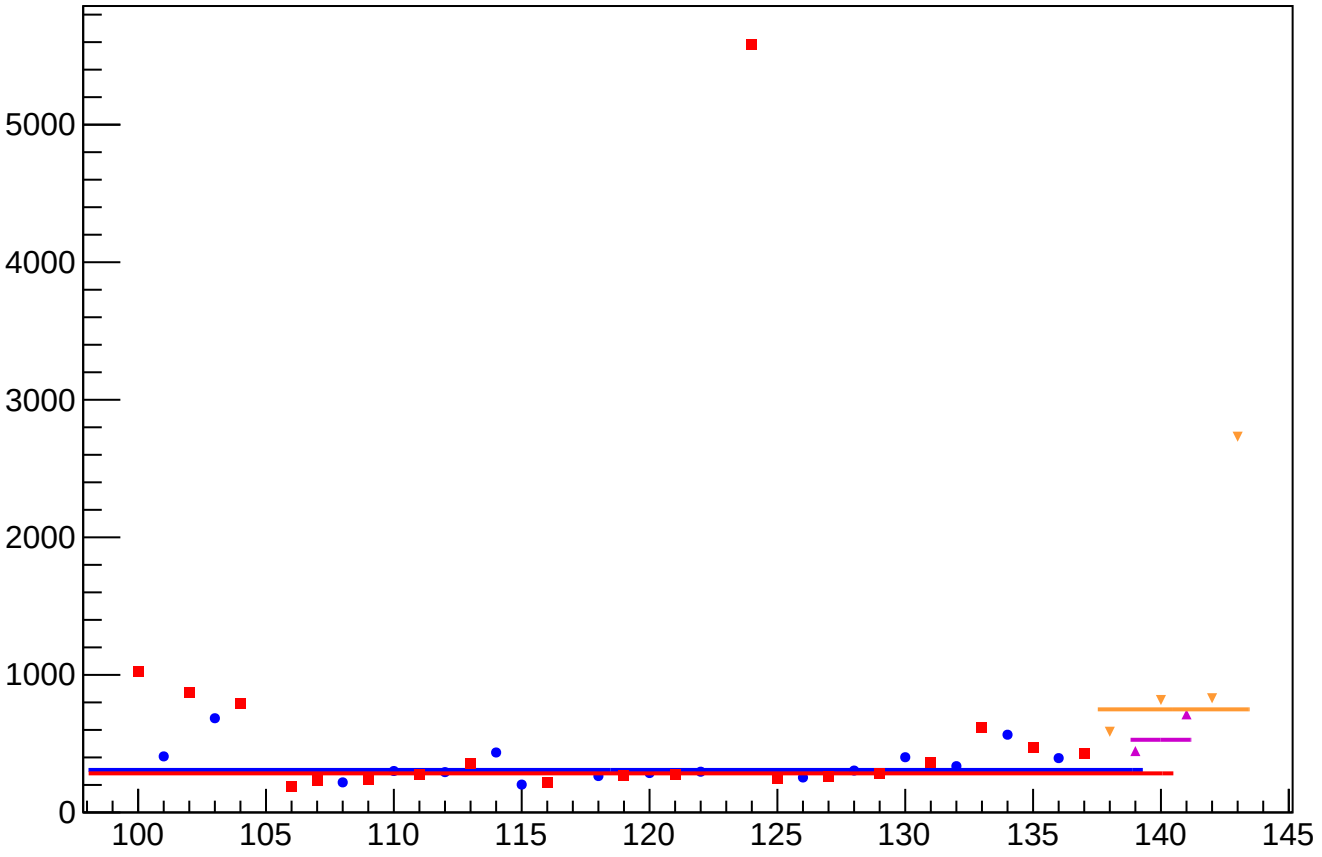
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.587+/-0.422 χ^2/NDF:4.6/1

\+ sign -0.027+/-0.118 χ^2/NDF: 16.0/19

All: -0.053+/-0.082 χ^2/NDF: 48.6/40

\- sign -0.077+/-0.113 χ^2/NDF: 32.5/20



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 749.513+/-0.348 χ^2/NDF:993331.0/3

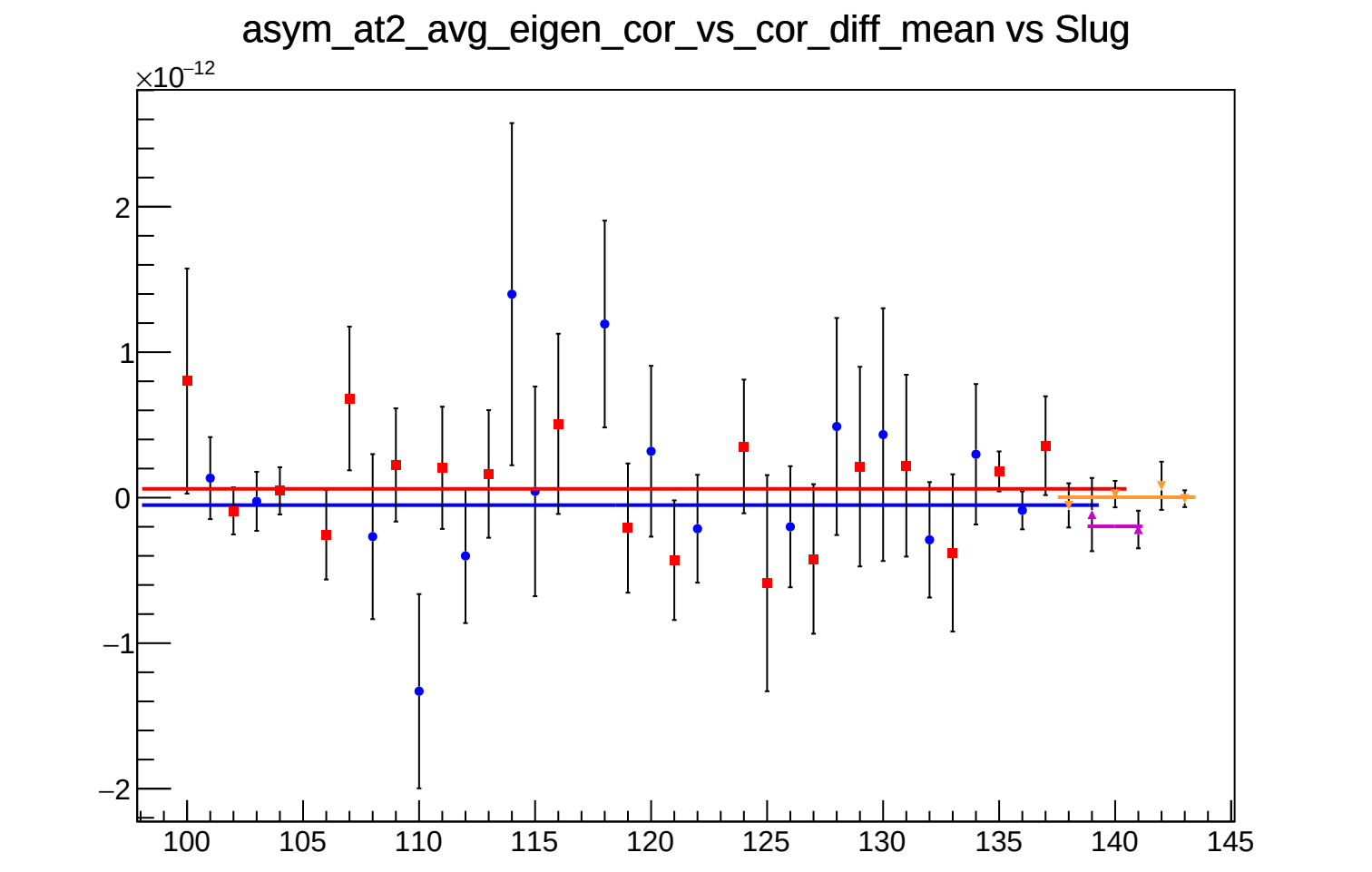
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 528.306+/-0.299 χ^2/NDF:169911.8/1

+ sign 334.484+/-0.084 χ^2/NDF: 3513881.3/19

All: 317.224+/-0.058 χ^2/NDF: 6242239.9/40

- sign 301.568+/-0.080 χ^2/NDF: 2647171.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/3

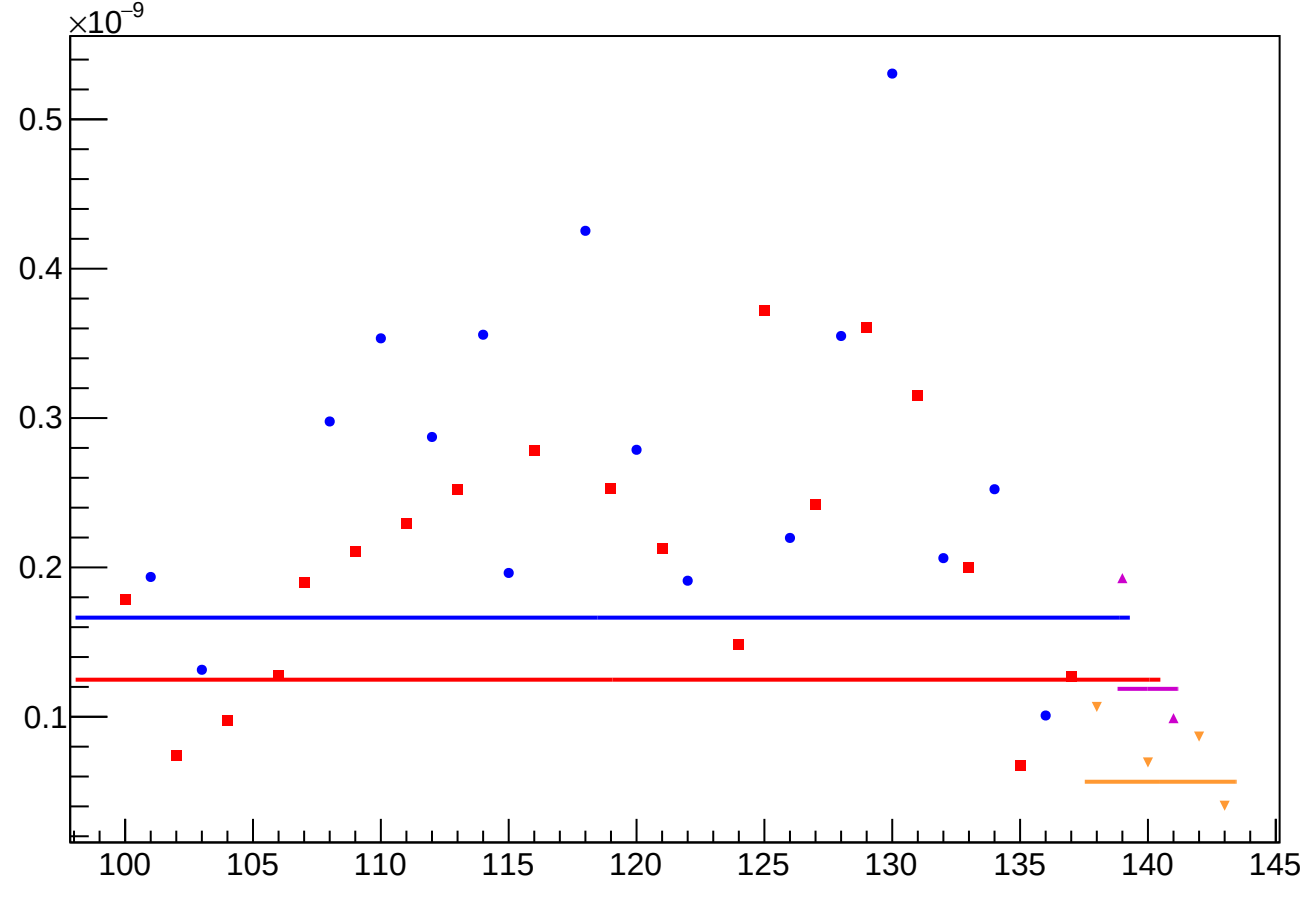
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 12.7/19

All: -0.000+/-0.000 χ^2/NDF: 28.0/40

- sign -0.000+/-0.000 χ^2/NDF: 15.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:479350.7/3

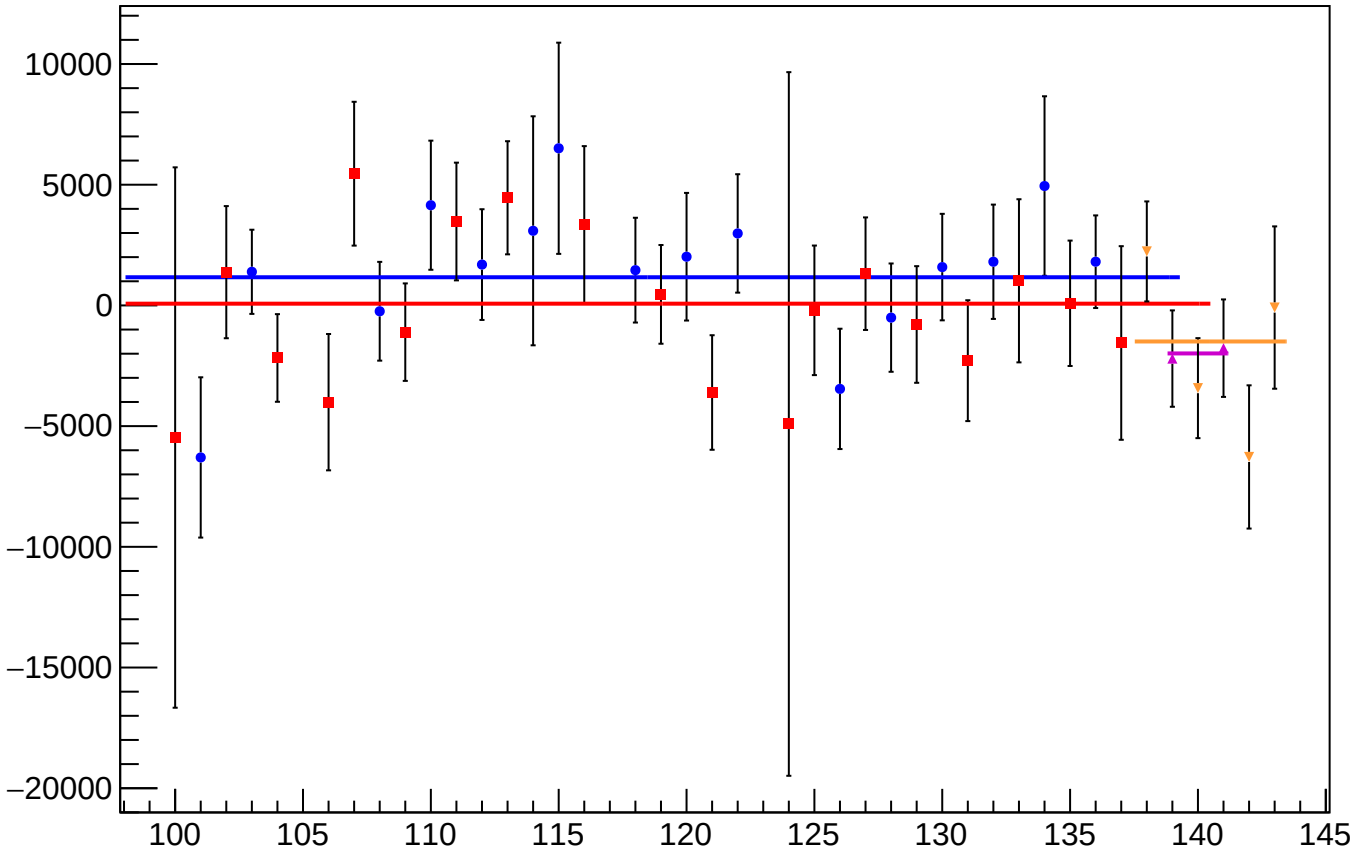
Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:219577.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 5107783.8/19

All: 0.000+/-0.000 χ^2/NDF: 8249202.0/40

- sign 0.000+/-0.000 χ^2/NDF: 2433272.2/20



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1493.462+/-1223.248 χ^2/NDF:6.9/3

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

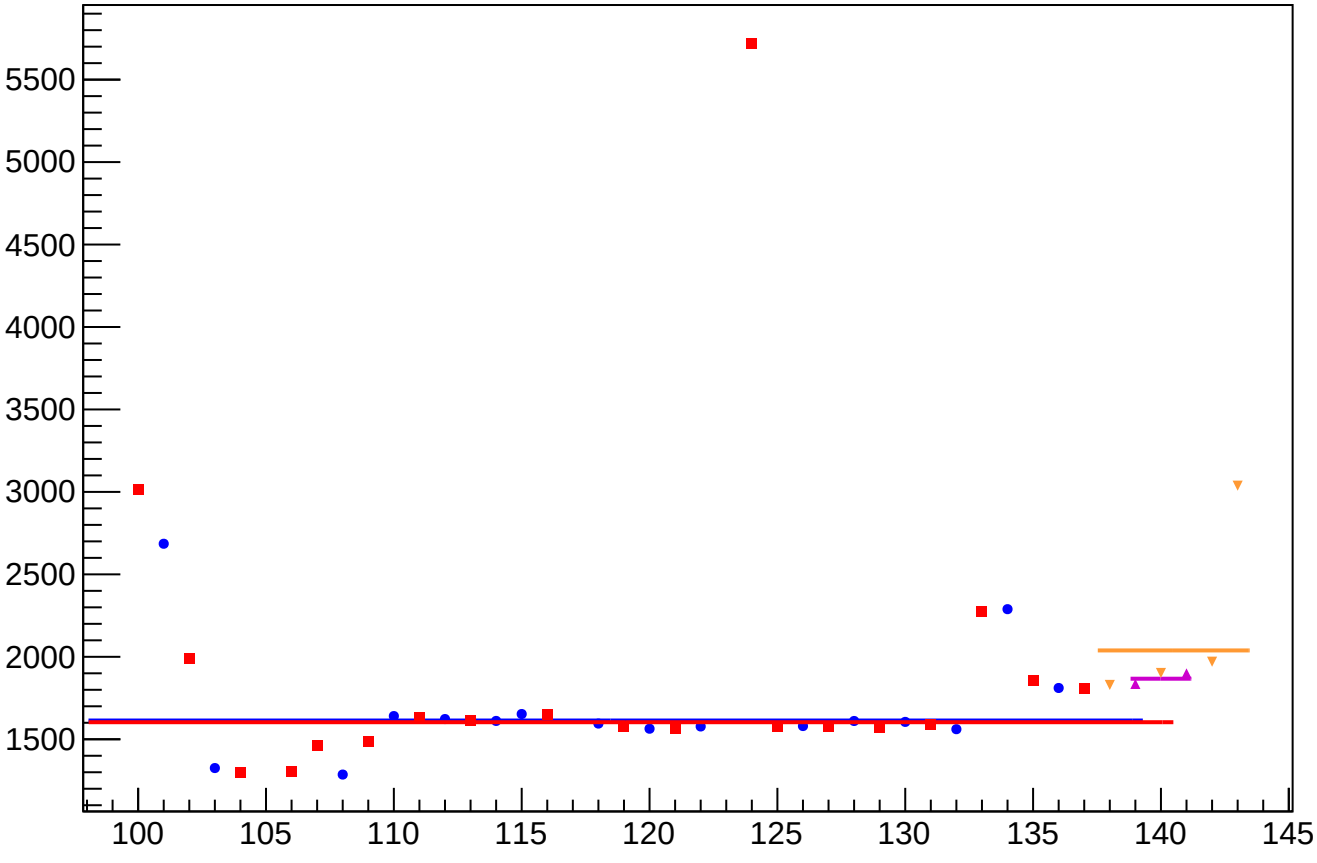
Left In: -1989.033+/-1419.510 χ^2/NDF:0.0/1

+ sign 638.209+/-545.296 χ^2/NDF: 25.1/19

All: 205.488+/-389.065 χ^2/NDF: 46.5/40

- sign -243.228+/-555.282 χ^2/NDF: 20.1/20

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

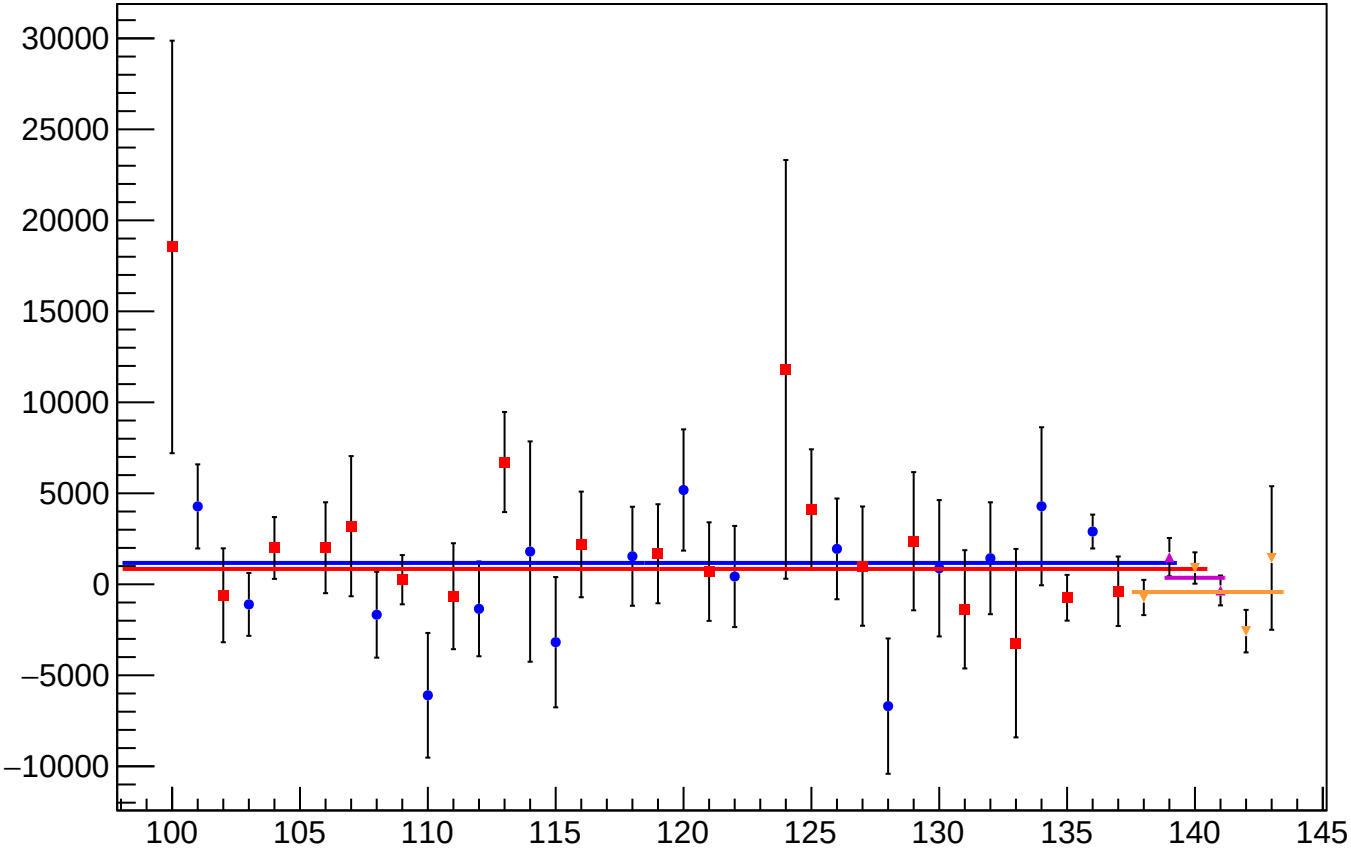
Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

+ sign 1698.129+/-0.386 χ^2/NDF: 804879.4/19

All: 1671.469+/-0.275 χ^2/NDF: 1299905.7/40

- sign 1643.824+/-0.393 χ^2/NDF: 485288.3/20

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: -423.391+/-557.902 χ^2/NDF:6.1/3

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

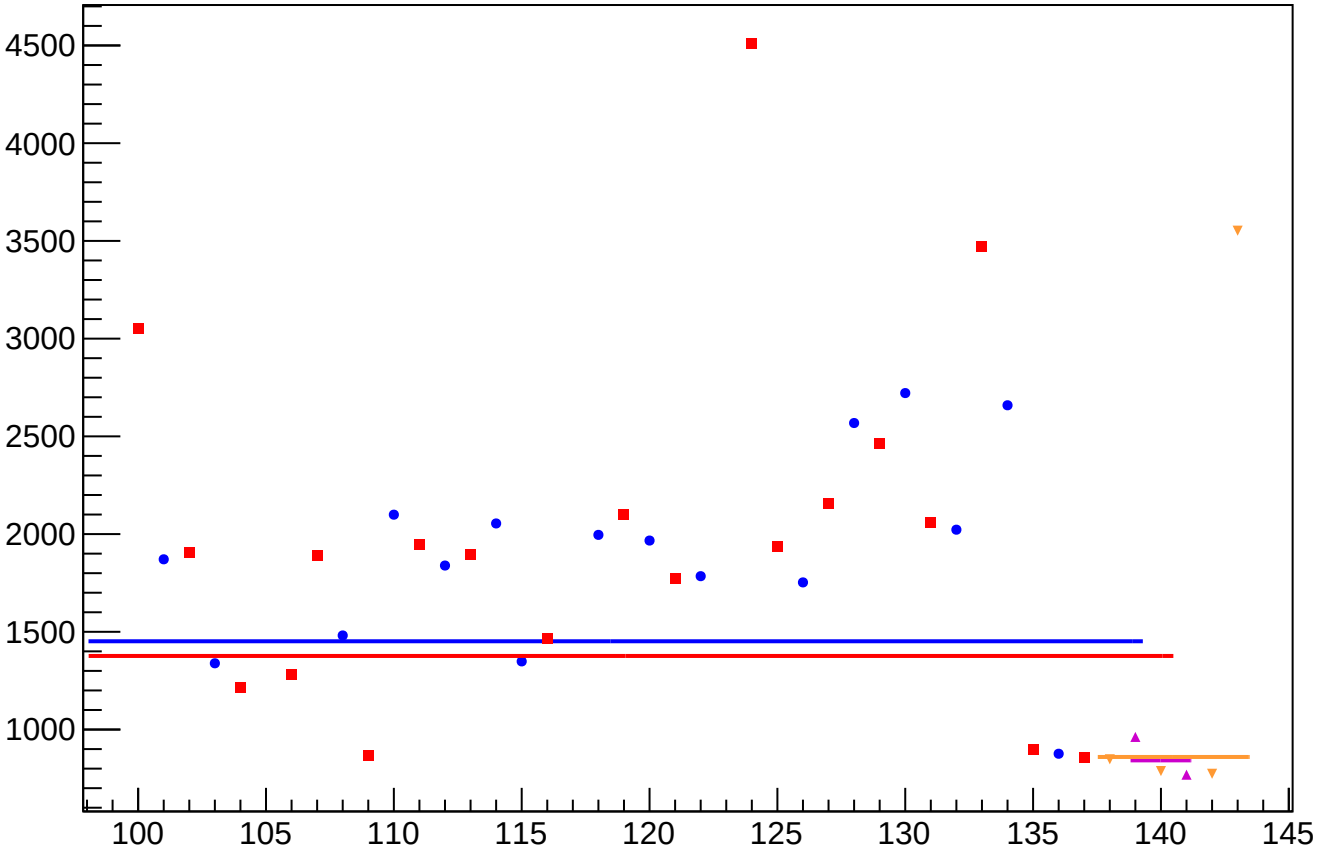
Left In: 357.244+/-646.666 χ^2/NDF:1.9/1

+ sign 346.297+/-401.769 χ^2/NDF: 32.0/19

All: 484.159+/-291.055 χ^2/NDF: 48.7/40

- sign 636.413+/-422.220 χ^2/NDF: 16.5/20

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 859.644+/-0.394 χ^2/NDF:956794.6/3

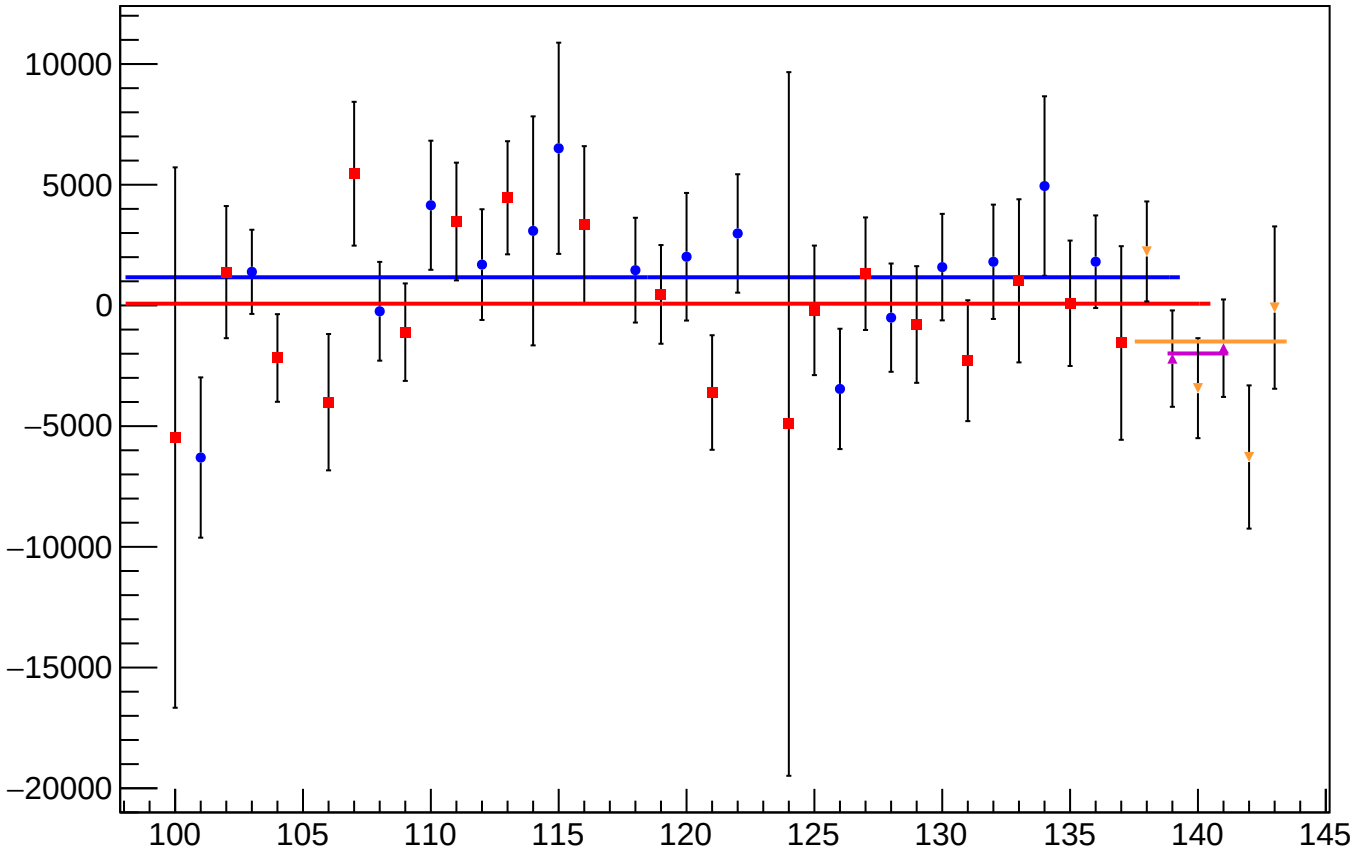
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 842.299+/-0.457 χ^2/NDF:42056.5/1

+ sign 1144.624+/-0.284 χ^2/NDF: 3831662.5/19

All: 1146.585+/-0.206 χ^2/NDF: 6788783.8/40

- sign 1148.752+/-0.299 χ^2/NDF: 2957021.0/20



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1493.777+/-1223.248 χ^2/NDF:6.9/3

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

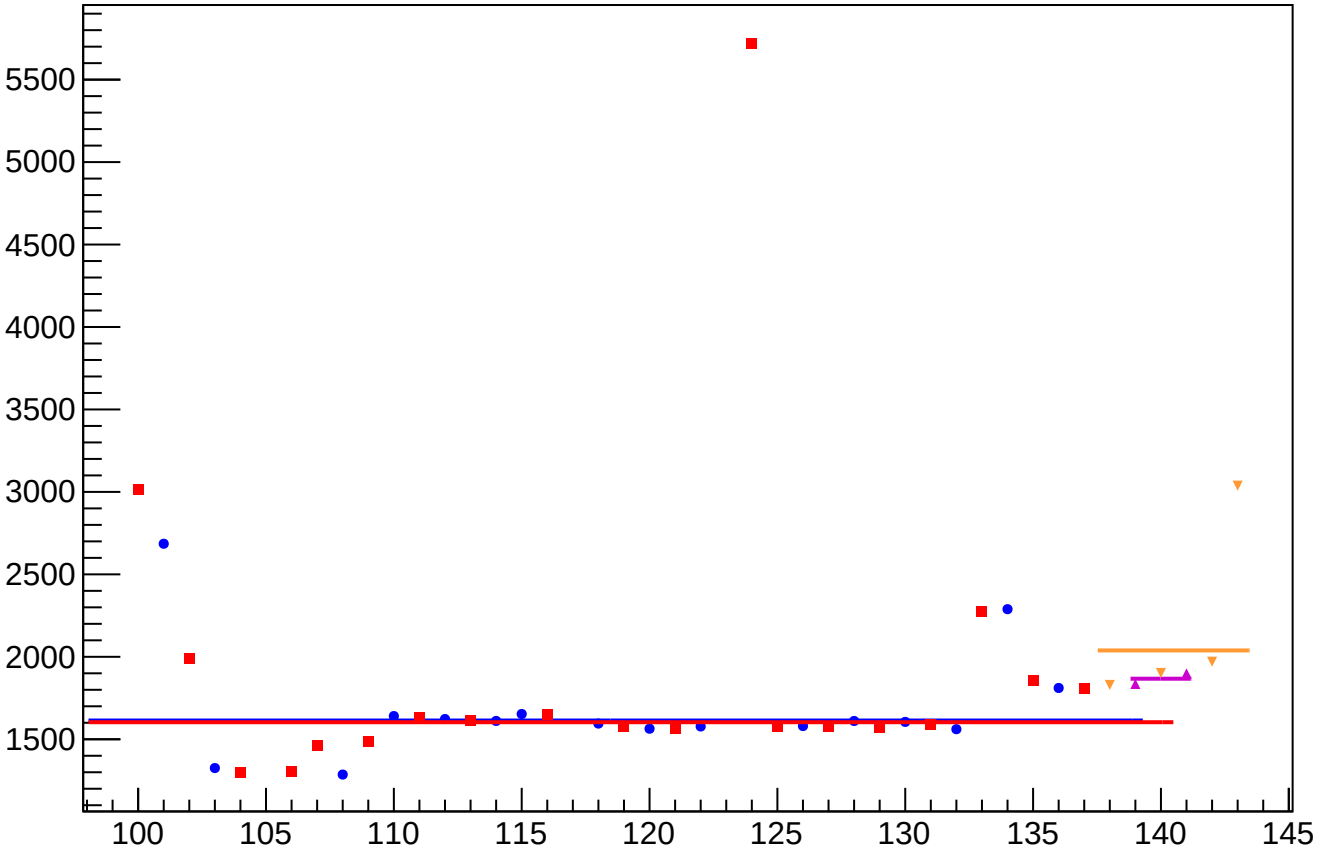
Left In: -1989.263+/-1419.510 χ^2/NDF:0.0/1

+ sign 638.073+/-545.296 χ^2/NDF: 25.1/19

All: 205.533+/-389.065 χ^2/NDF: 46.5/40

- sign -242.994+/-555.282 χ^2/NDF: 20.1/20

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

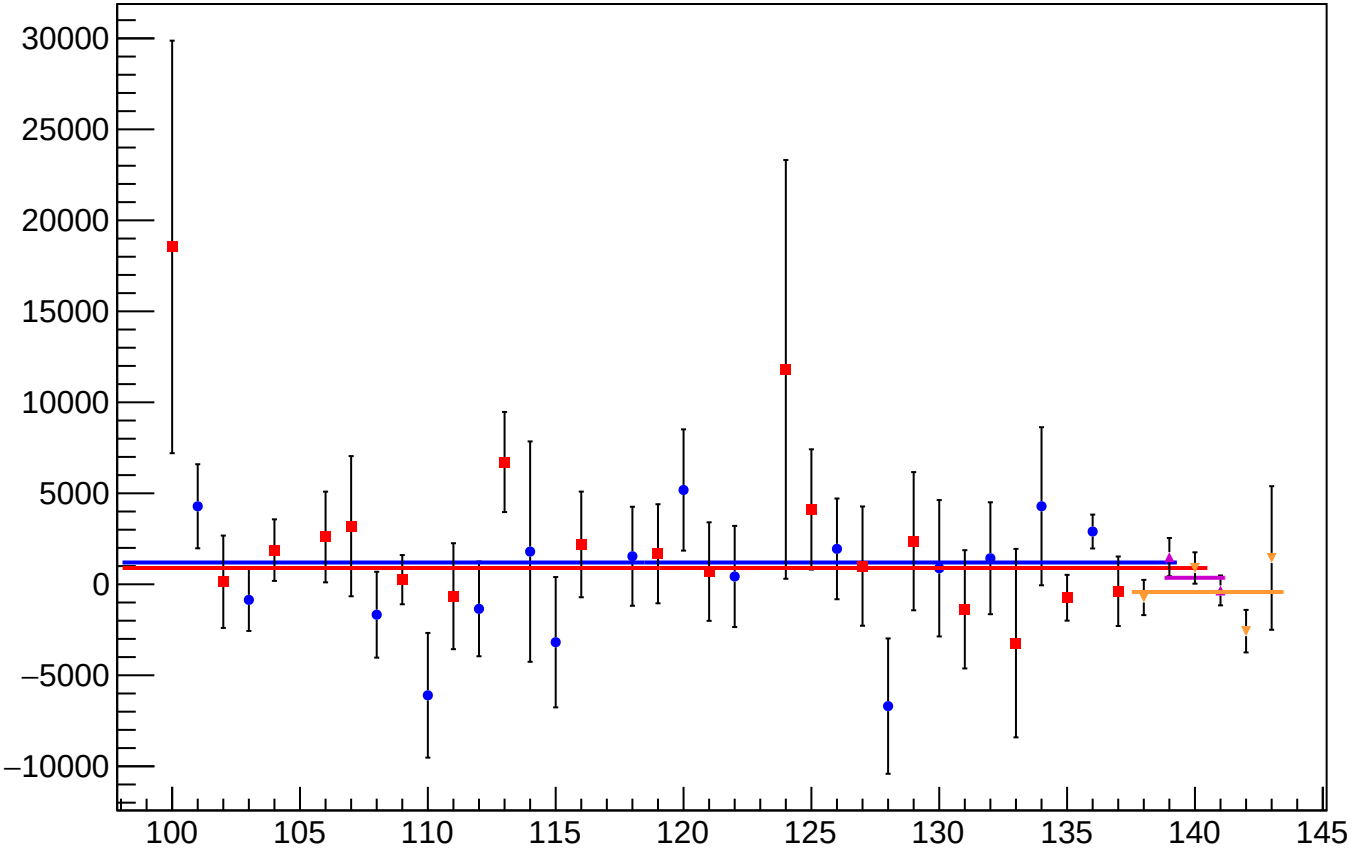
Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

+ sign 1698.129+/-0.386 χ^2/NDF: 804879.7/19

All: 1671.469+/-0.275 χ^2/NDF: 1299906.2/40

- sign 1643.824+/-0.393 χ^2/NDF: 485288.3/20

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: -423.305+/-557.922 χ^2/NDF:6.1/3

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

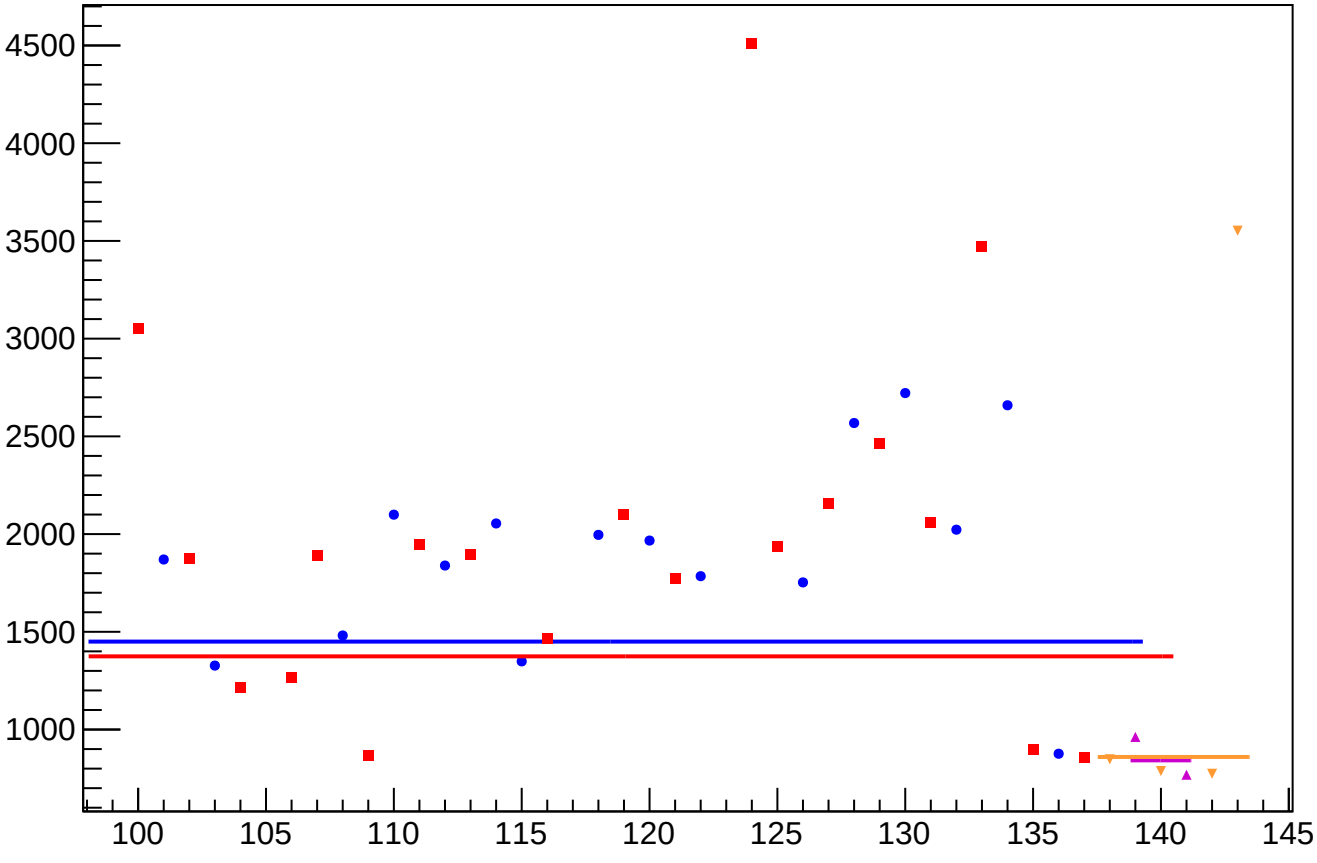
Left In: 357.550+/-646.652 χ^2/NDF:1.9/1

+ sign 358.525+/-401.501 χ^2/NDF: 31.8/19

All: 504.899+/-290.842 χ^2/NDF: 48.6/40

- sign 666.509+/-421.880 χ^2/NDF: 16.5/20

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 859.679+/-0.395 χ^2/NDF:956762.5/3

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

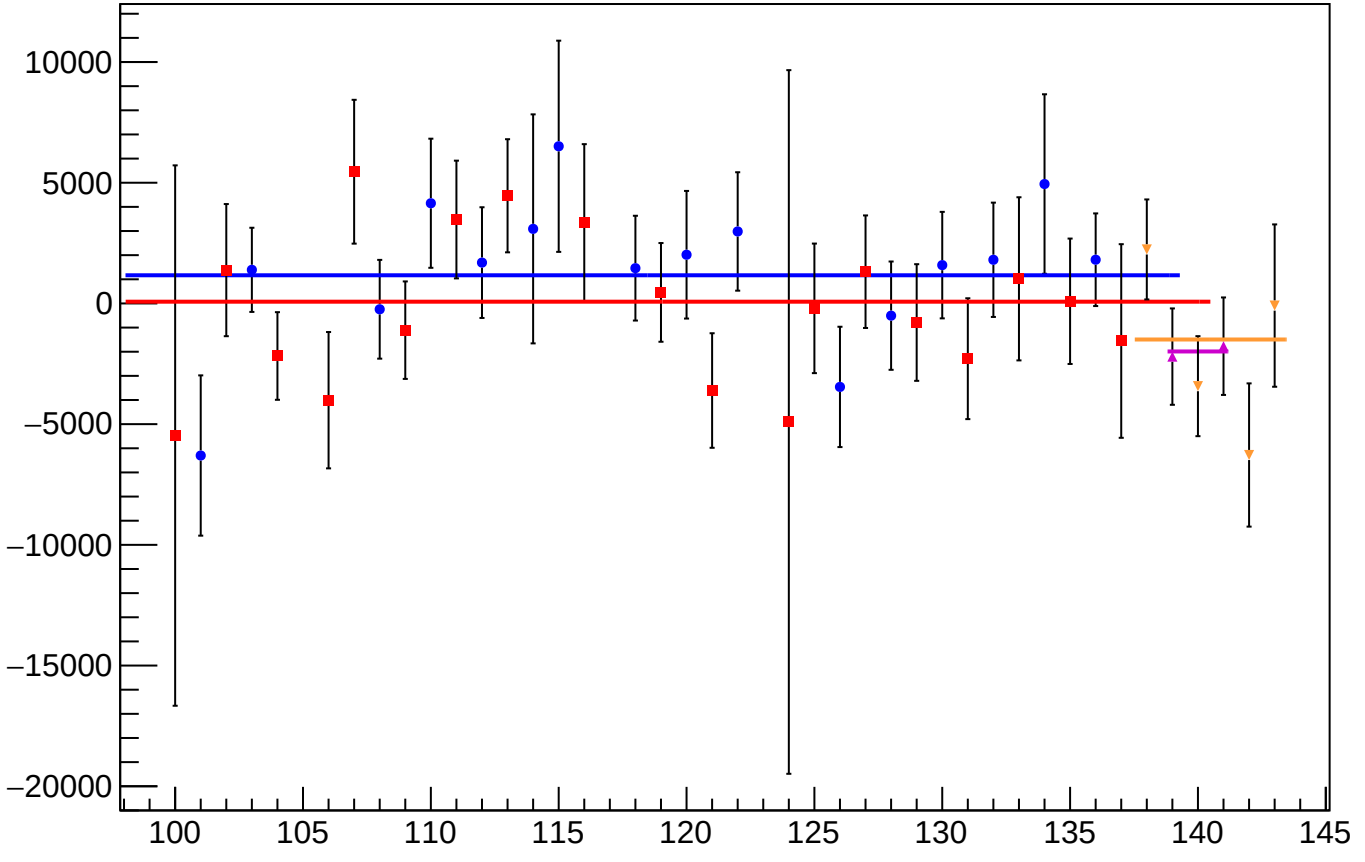
Left In: 842.278+/-0.457 χ^2/NDF:42070.1/1

+ sign 1144.256+/-0.284 χ^2/NDF: 3828698.1/19

All: 1146.003+/-0.206 χ^2/NDF: 6776508.8/40

- sign 1147.932+/-0.298 χ^2/NDF: 2947731.0/20

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1493.777+/-1223.248 χ^2/NDF:6.9/3

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

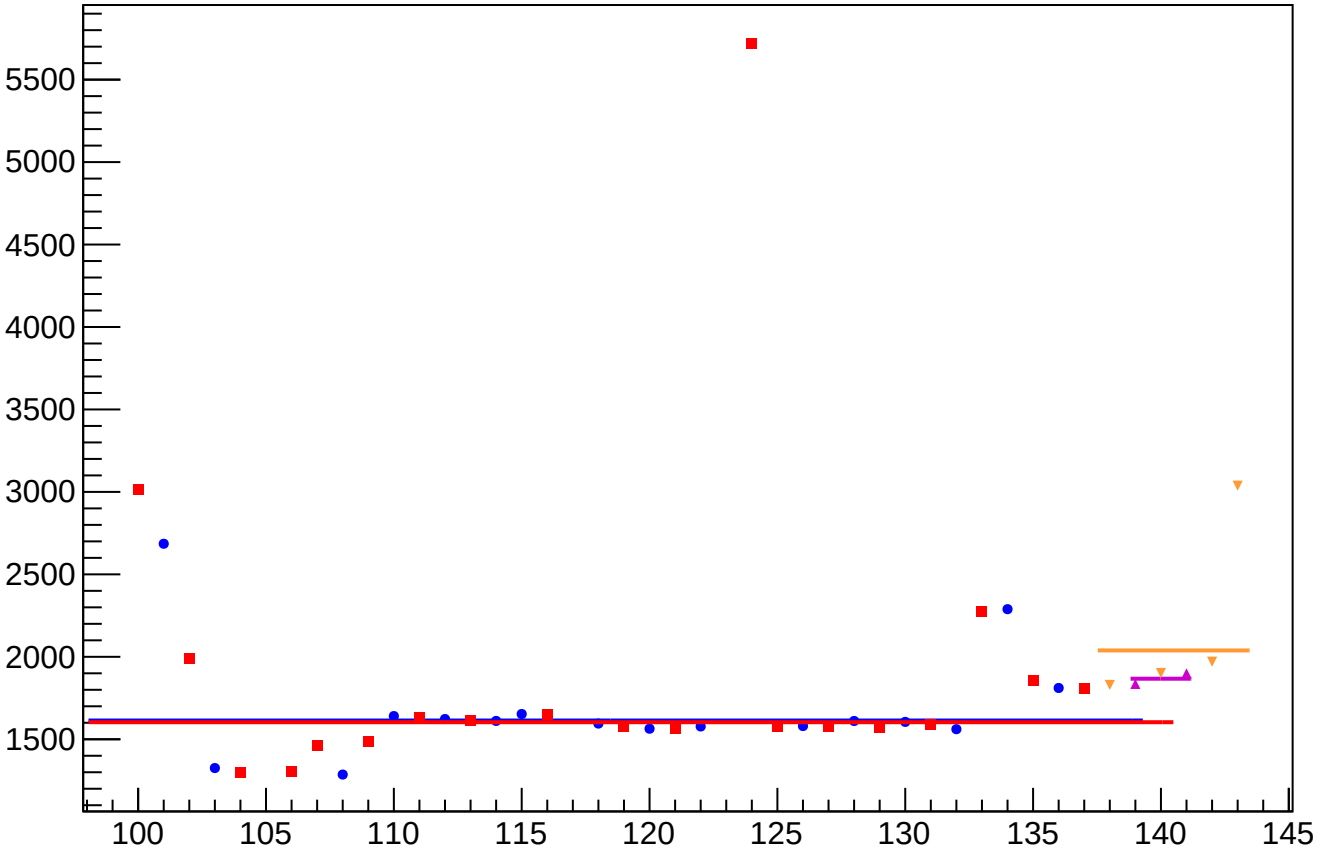
Left In: -1989.263+/-1419.510 χ^2/NDF:0.0/1

+ sign 638.073+/-545.296 χ^2/NDF: 25.1/19

All: 205.533+/-389.065 χ^2/NDF: 46.5/40

- sign -242.994+/-555.282 χ^2/NDF: 20.1/20

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

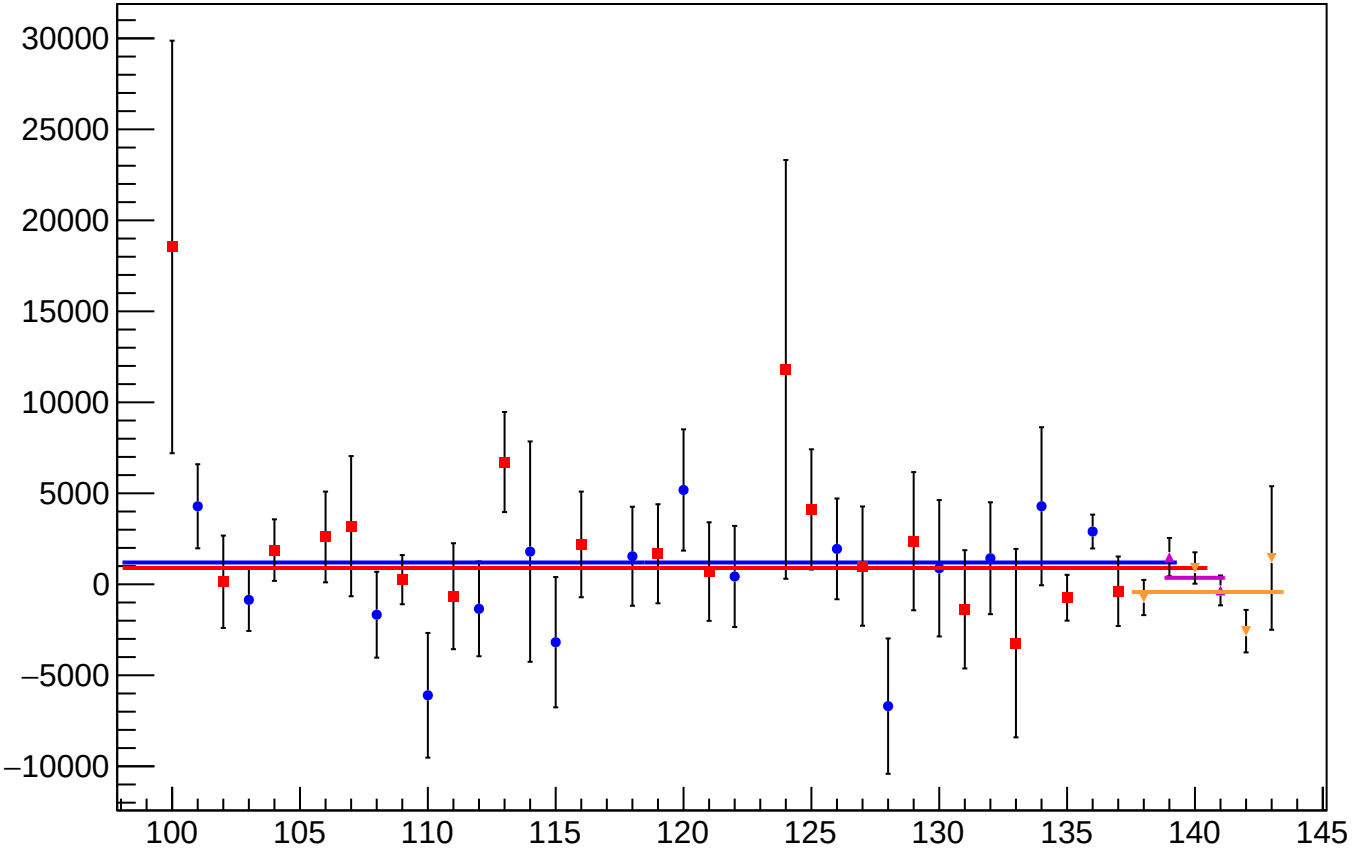
Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

+ sign 1698.129+/-0.386 χ^2/NDF: 804879.7/19

All: 1671.469+/-0.275 χ^2/NDF: 1299906.2/40

- sign 1643.824+/-0.393 χ^2/NDF: 485288.3/20

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: -423.305+/-557.922 χ^2/NDF:6.1/3

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

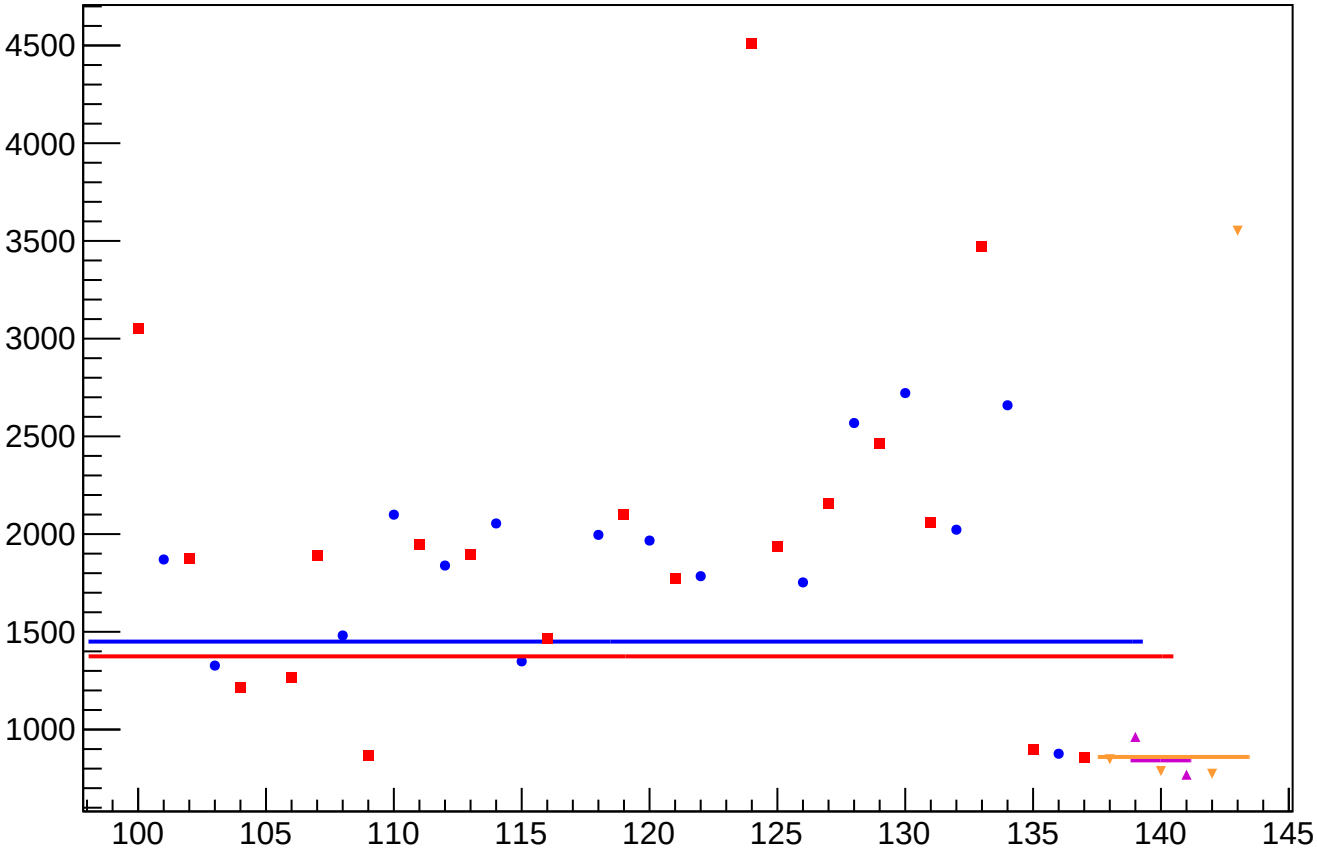
Left In: 357.550+/-646.652 χ^2/NDF:1.9/1

+ sign 358.525+/-401.501 χ^2/NDF: 31.8/19

All: 504.899+/-290.842 χ^2/NDF: 48.6/40

- sign 666.509+/-421.880 χ^2/NDF: 16.5/20

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 859.679+/-0.395 χ^2/NDF:956762.5/3

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

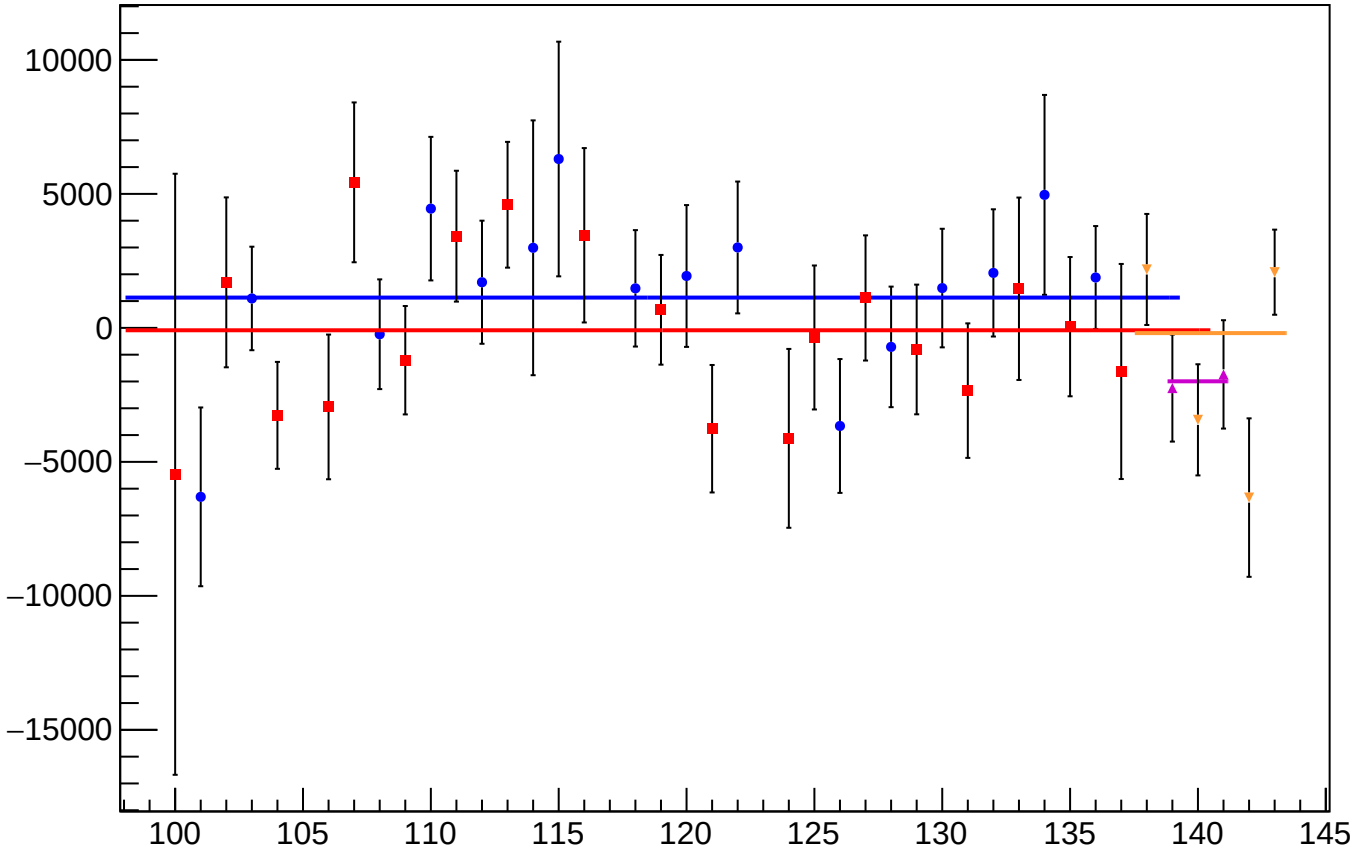
Left In: 842.278+/-0.457 χ^2/NDF:42070.1/1

+ sign 1144.256+/-0.284 χ^2/NDF: 3828698.1/19

All: 1146.003+/-0.206 χ^2/NDF: 6776508.8/40

- sign 1147.932+/-0.298 χ^2/NDF: 2947731.0/20

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -194.593+/-1012.022 χ^2/NDF:10.1/3

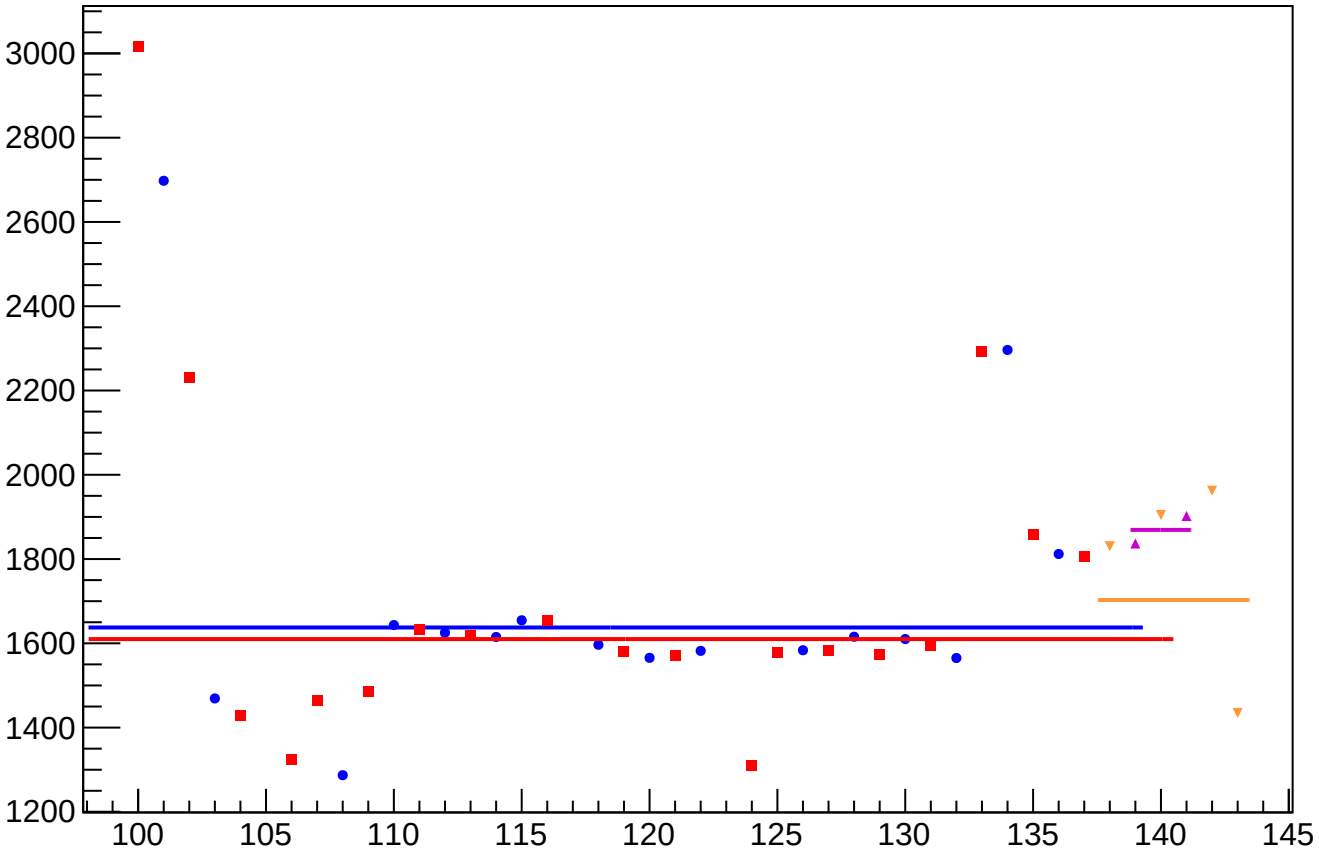
Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: -1993.633+/-1421.067 χ^2/NDF:0.0/1

+ sign 771.396+/-526.959 χ^2/NDF: 26.3/19

All: 225.740+/-382.194 χ^2/NDF: 50.8/40

- sign -379.858+/-555.150 χ^2/NDF: 22.2/20



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1702.699+/-0.716 χ^2/NDF:98937.9/3

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

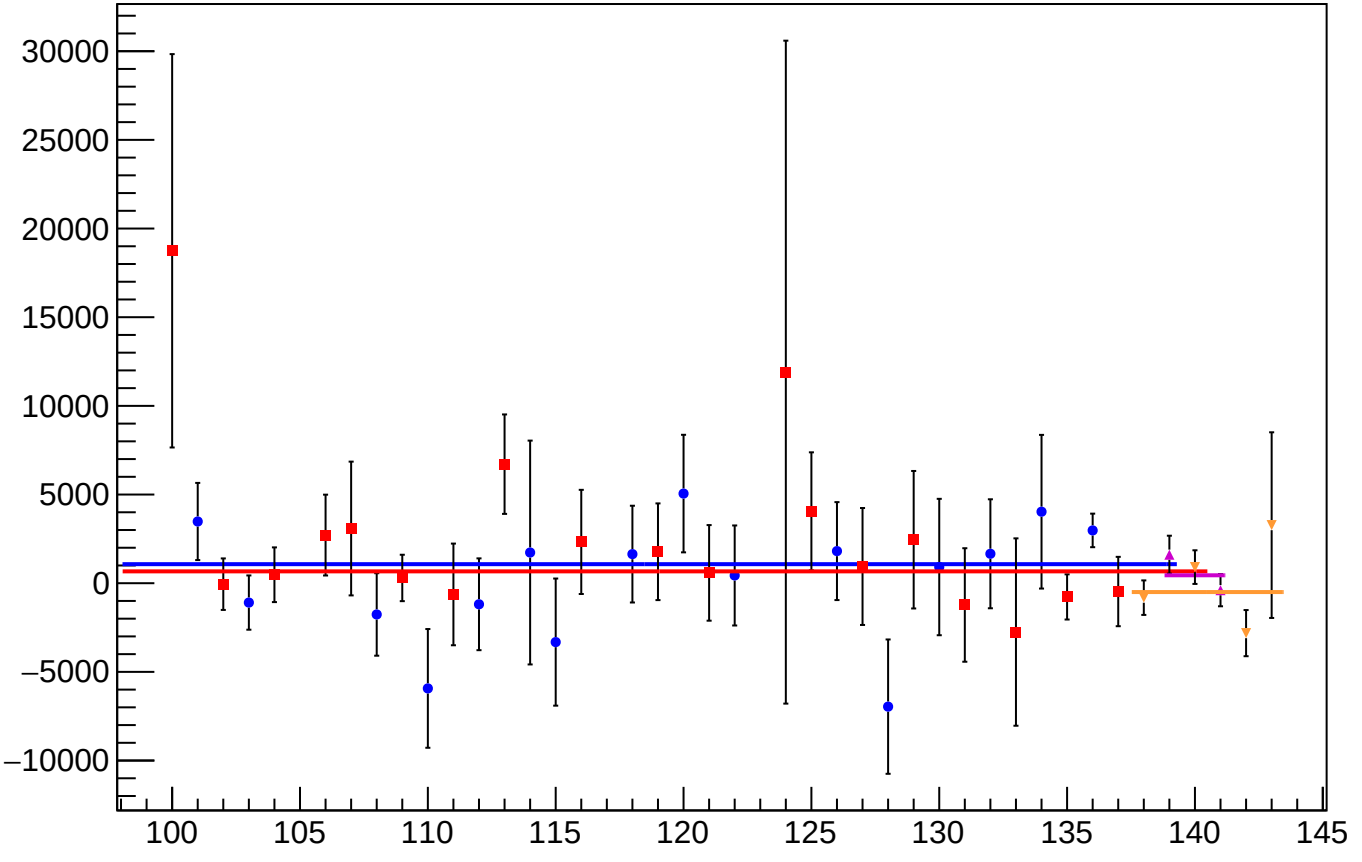
Left In: 1869.215+/-1.005 χ^2/NDF:1053.4/1

\+ sign 1655.231+/-0.373 χ^2/NDF: 466391.6/19

All: 1652.560+/-0.270 χ^2/NDF: 804737.5/40

\- sign 1649.596+/-0.393 χ^2/NDF: 338237.4/20

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: -498.469+/-598.235 χ^2/NDF:6.0/3

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

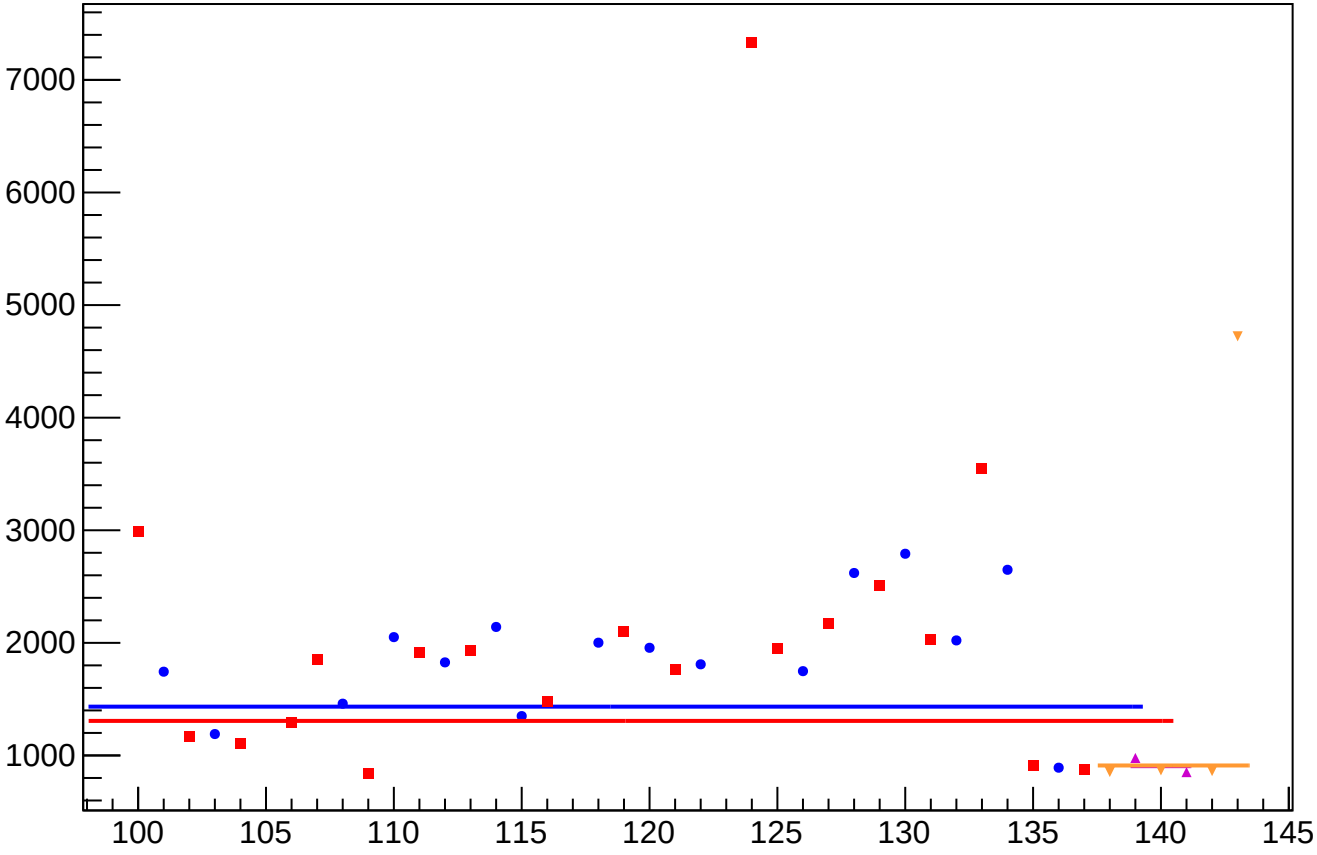
Left In: 446.607+/-692.595 χ^2/NDF:2.0/1

+ sign 323.328+/-413.281 χ^2/NDF: 31.6/19

All: 453.971+/-293.753 χ^2/NDF: 47.5/40

- sign 587.367+/-417.612 χ^2/NDF: 15.7/20

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 910.980+/-0.423 χ^2/NDF:1074453.7/3

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

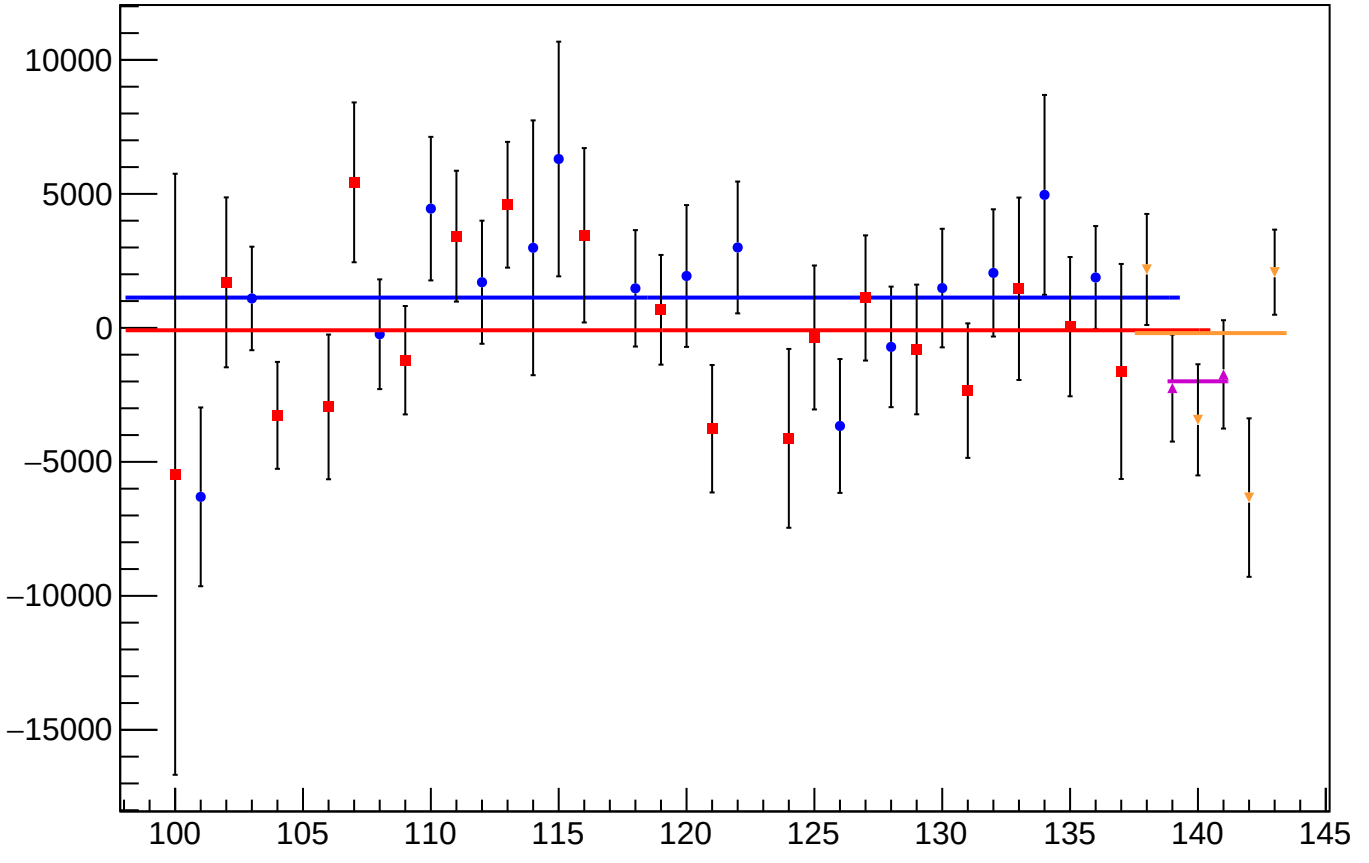
Left In: 904.854+/-0.490 χ^2/NDF:16068.2/1

+ sign 1184.115+/-0.292 χ^2/NDF: 3635474.4/19

All: 1172.533+/-0.208 χ^2/NDF: 6267469.9/40

- sign 1160.707+/-0.295 χ^2/NDF: 2628820.9/20

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -194.609+/-1012.023 χ^2/NDF:10.1/3

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

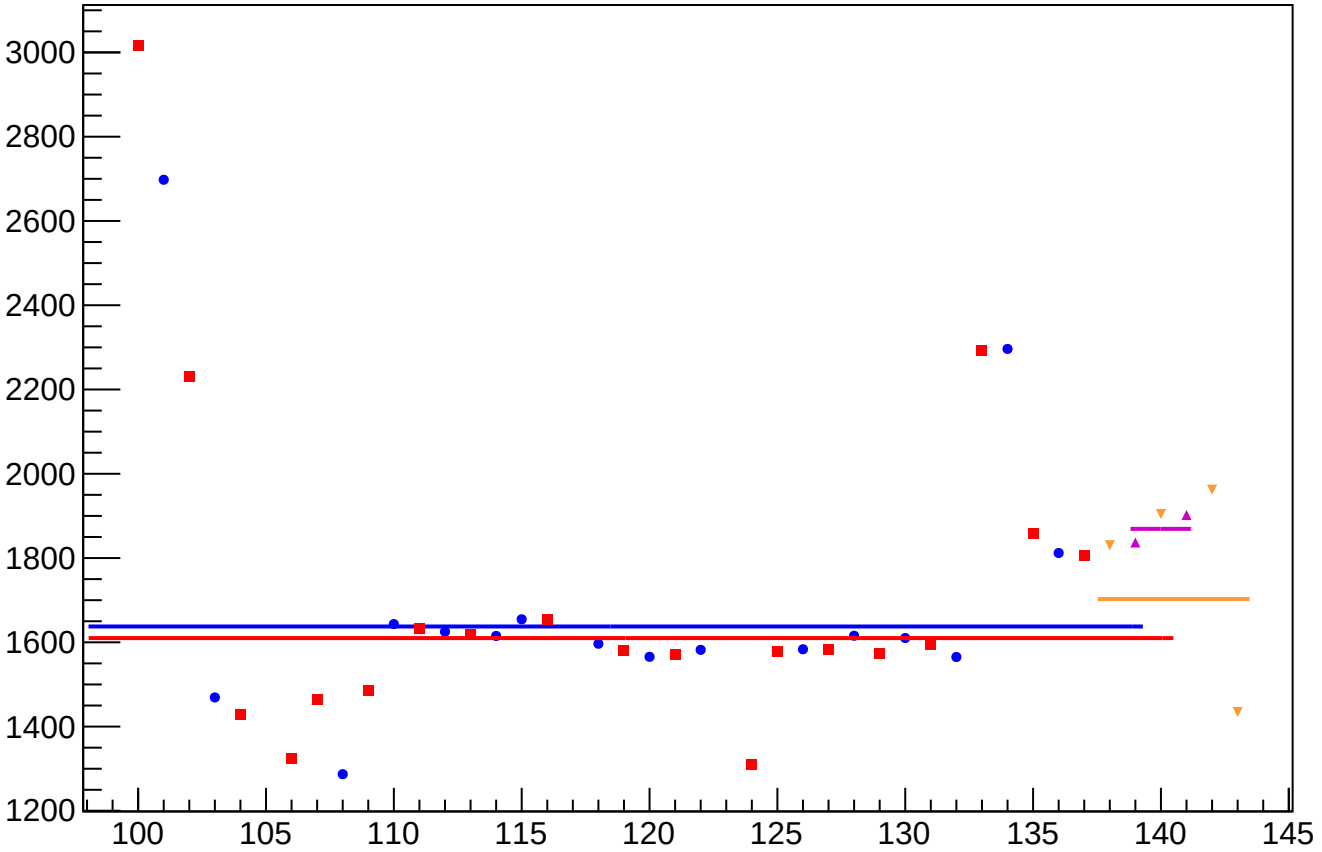
Left In: -1993.615+/-1421.067 χ^2/NDF:0.0/1

+ sign 771.393+/-526.959 χ^2/NDF: 26.3/19

All: 225.738+/-382.194 χ^2/NDF: 50.8/40

- sign -379.860+/-555.150 χ^2/NDF: 22.2/20

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1702.700+/-0.716 χ^2/NDF:98937.0/3

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

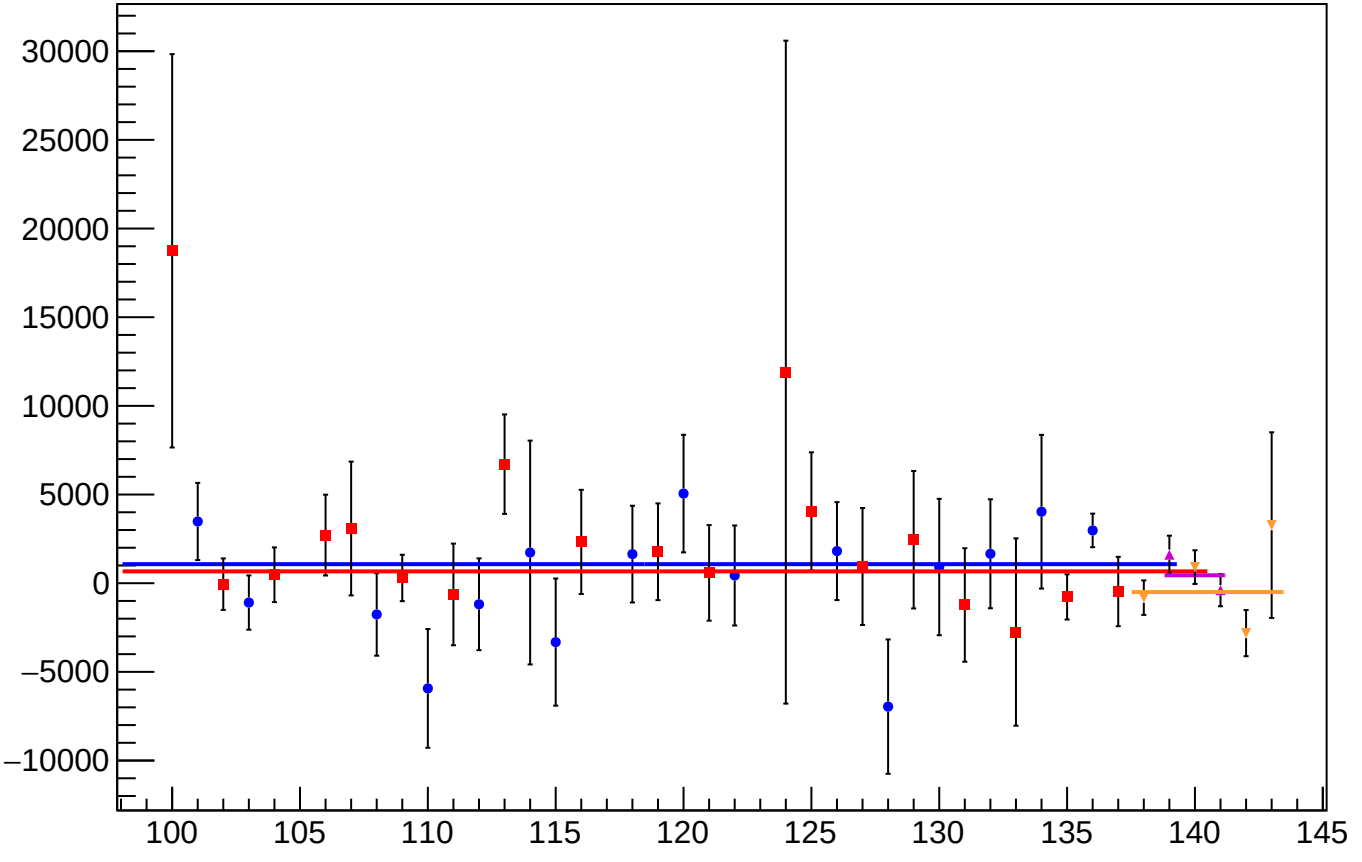
Left In: 1869.216+/-1.005 χ^2/NDF:1053.4/1

+ sign 1655.231+/-0.373 χ^2/NDF: 466390.7/19

All: 1652.560+/-0.270 χ^2/NDF: 804736.9/40

- sign 1649.596+/-0.393 χ^2/NDF: 338237.8/20

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: -498.476+/-598.245 χ^2/NDF:6.0/3

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

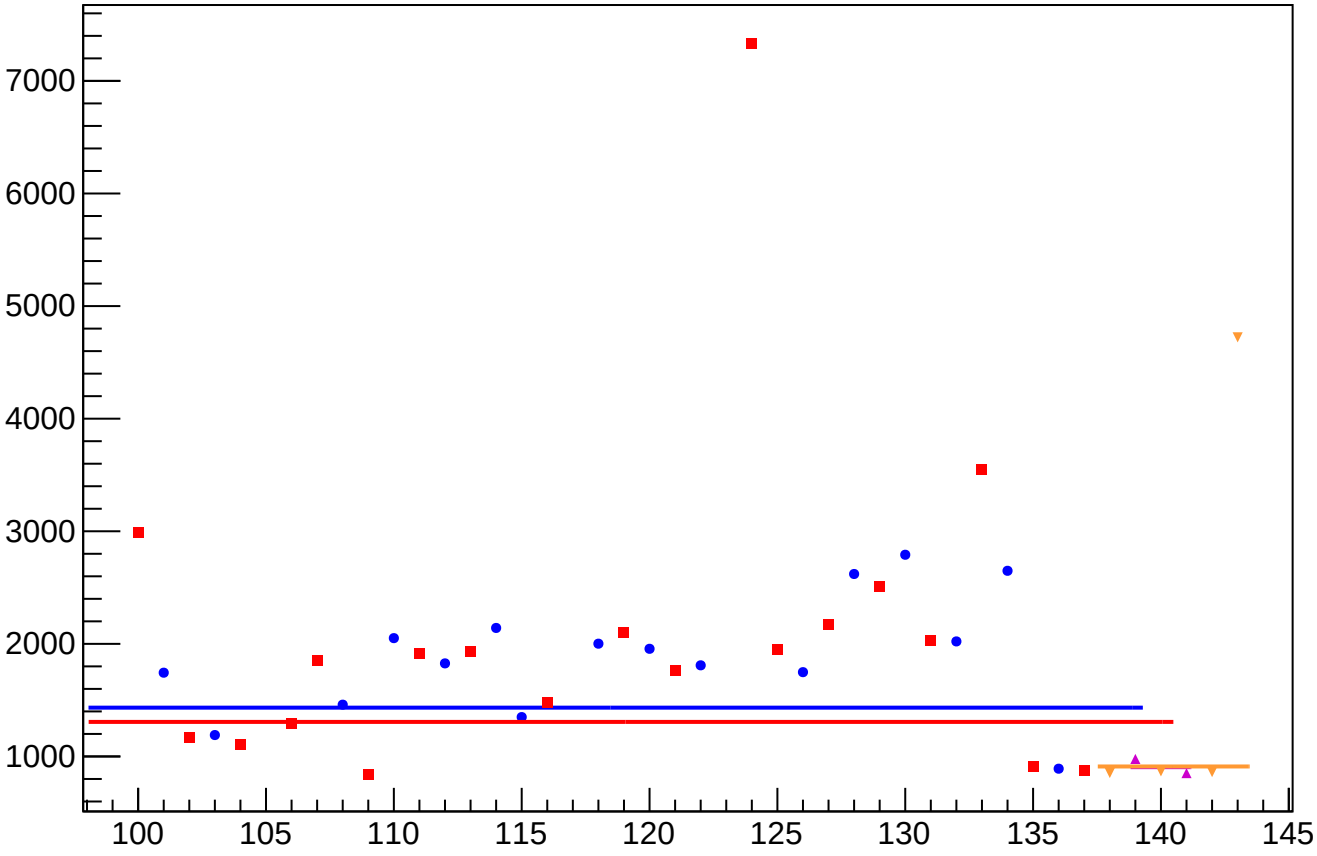
Left In: 446.604+/-692.606 χ^2/NDF:2.0/1

+ sign 323.326+/-413.286 χ^2/NDF: 31.6/19

All: 453.974+/-293.756 χ^2/NDF: 47.5/40

- sign 587.374+/-417.616 χ^2/NDF: 15.7/20

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 910.996+/-0.423 χ^2/NDF:1074445.4/3

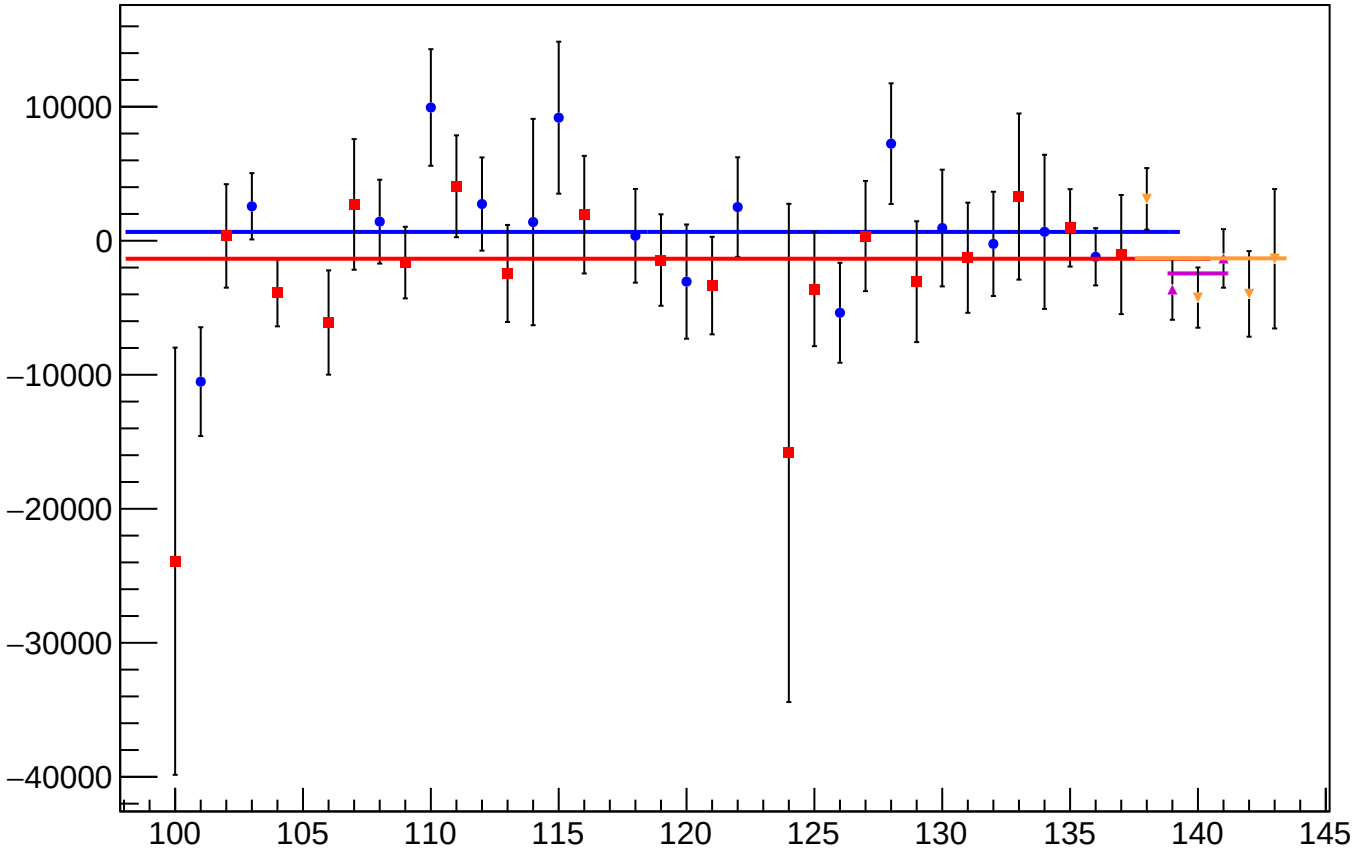
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 904.868+/-0.490 χ^2/NDF:16072.8/1

+ sign 1184.133+/-0.292 χ^2/NDF: 3635351.8/19

All: 1172.549+/-0.208 χ^2/NDF: 6267267.9/40

- sign 1160.722+/-0.295 χ^2/NDF: 2628741.0/20



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1311.603+/-1383.717 χ^2/NDF:6.1/3

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

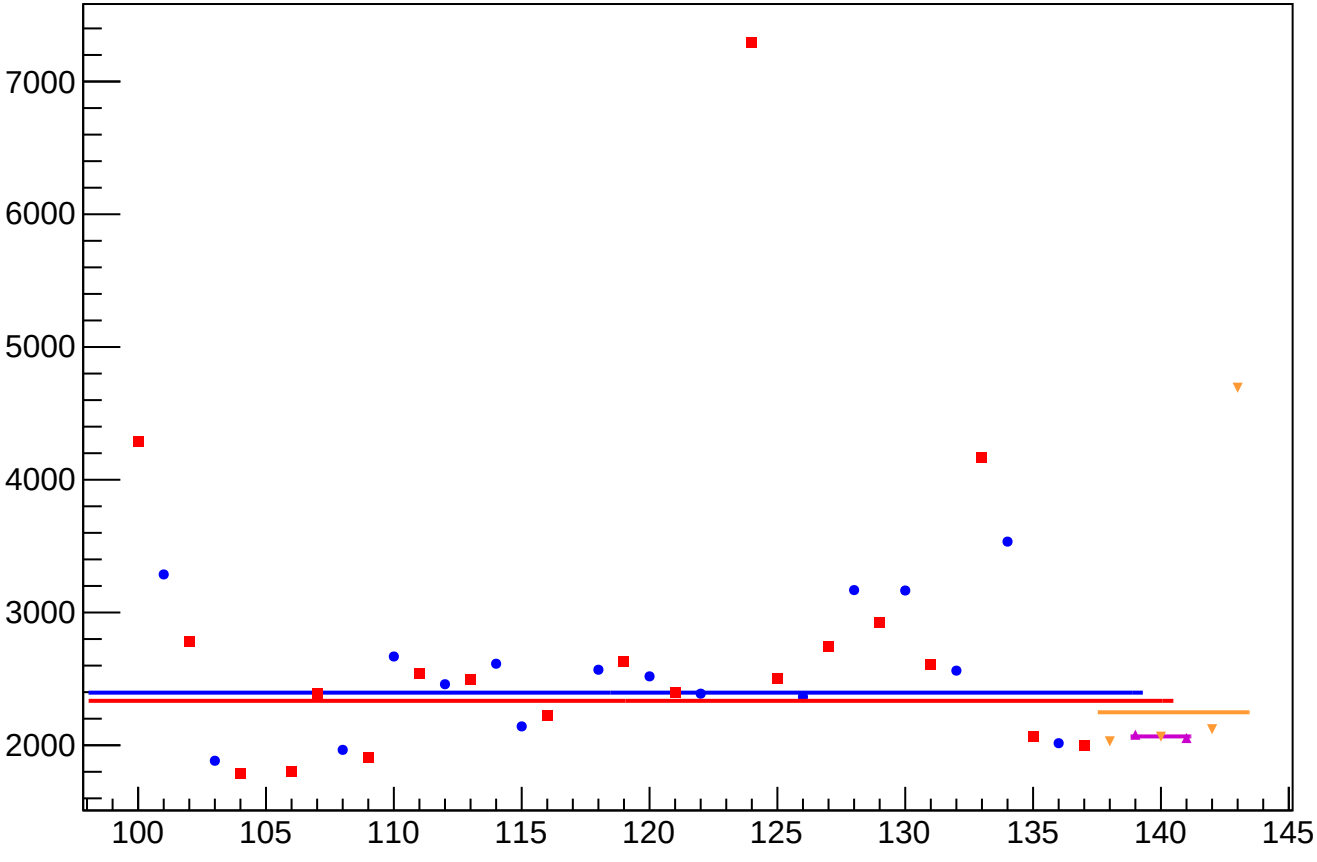
Left In: -2436.071+/-1570.997 χ^2/NDF:0.5/1

+ sign 64.747+/-760.065 χ^2/NDF: 29.5/19

All: -755.665+/-542.564 χ^2/NDF: 43.6/40

- sign -1608.080+/-774.748 χ^2/NDF: 11.7/20

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2248.382+/-0.978 χ^2/NDF:476669.1/3

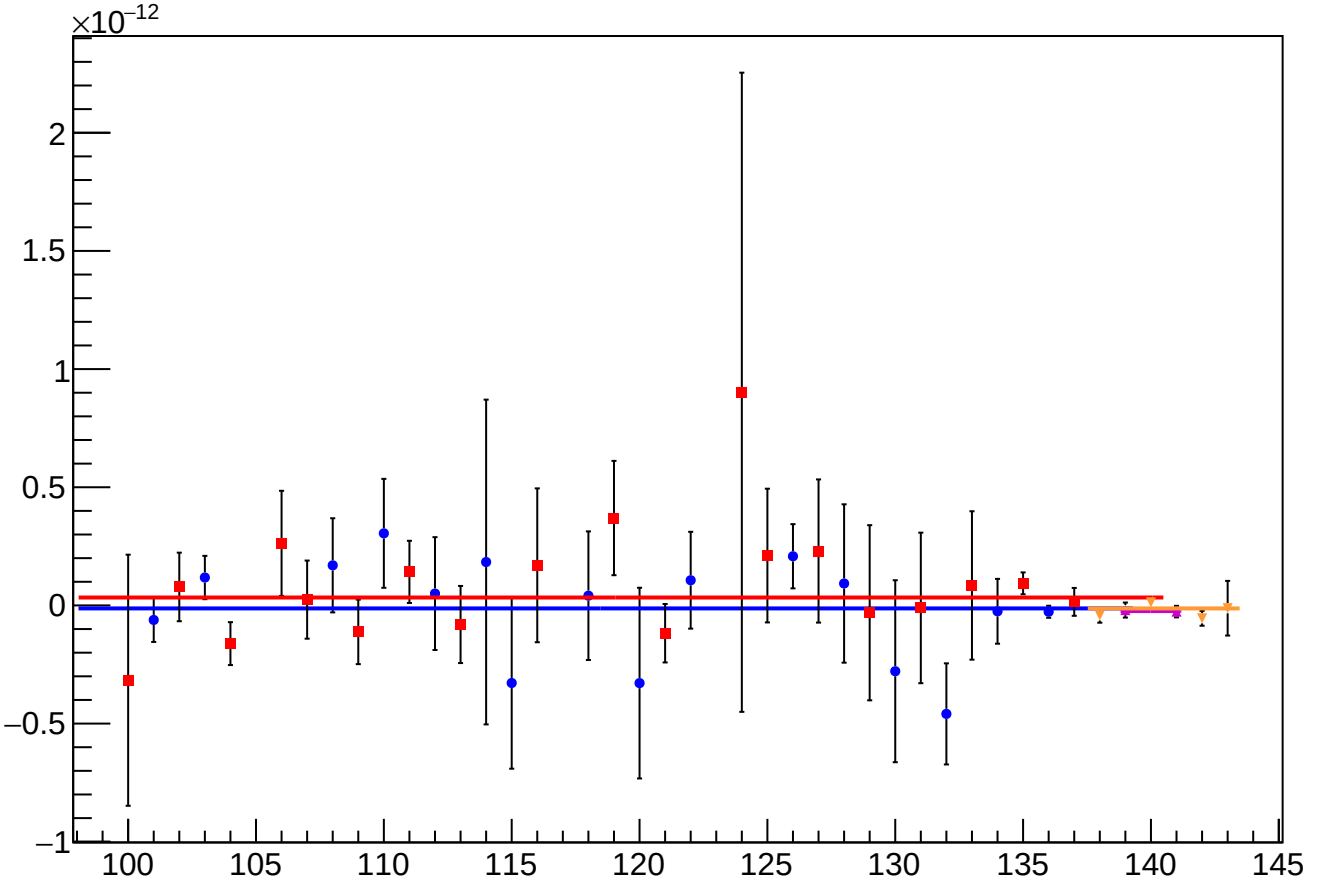
Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2066.470+/-1.111 χ^2/NDF:125.3/1

+ sign 2351.653+/-0.537 χ^2/NDF: 1000520.0/19

All: 2311.306+/-0.384 χ^2/NDF: 1737794.1/40

- sign 2269.385+/-0.548 χ^2/NDF: 725782.5/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

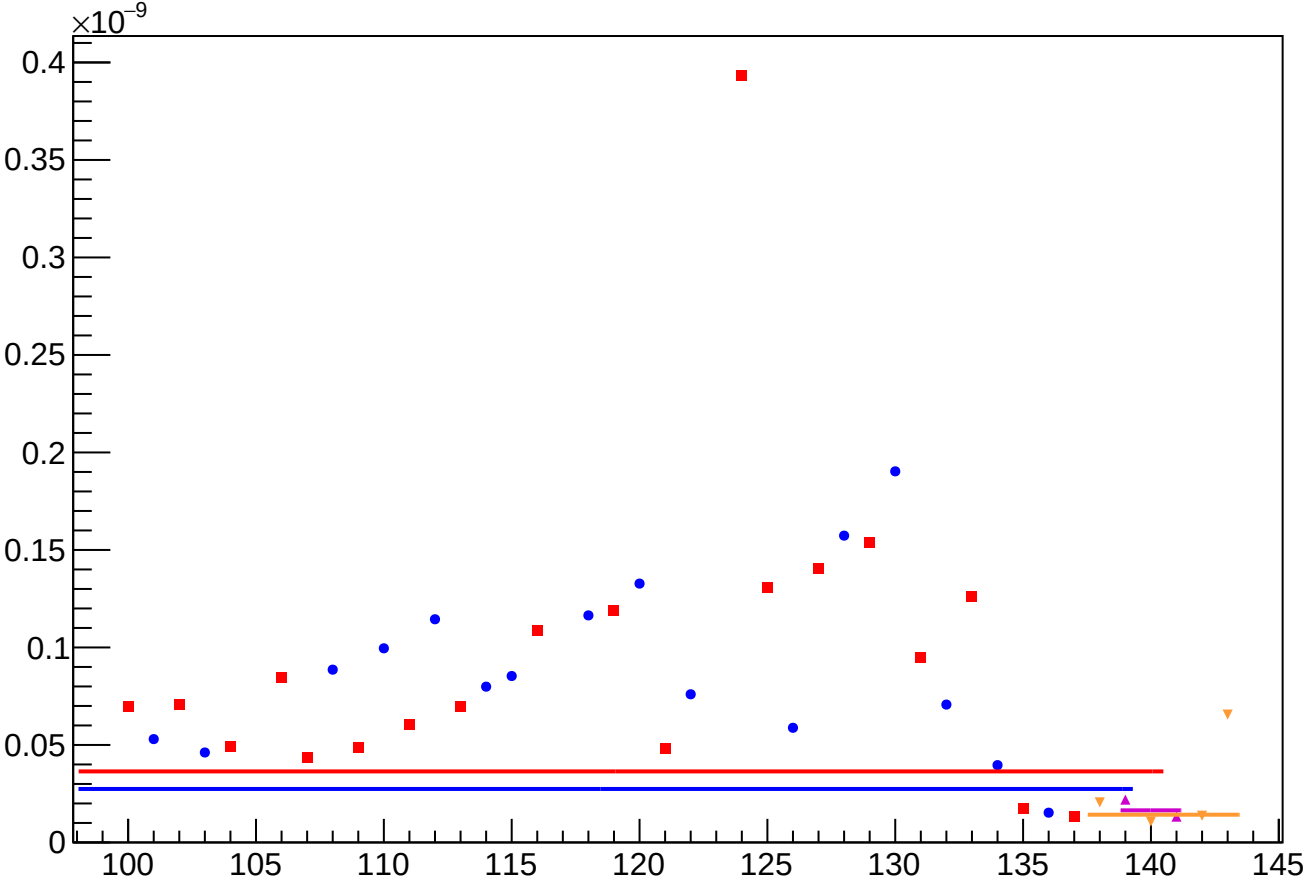
Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.4/19

All: -0.000+/-0.000 χ^2/NDF: 37.6/40

- sign -0.000+/-0.000 χ^2/NDF: 18.1/20

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:547226.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

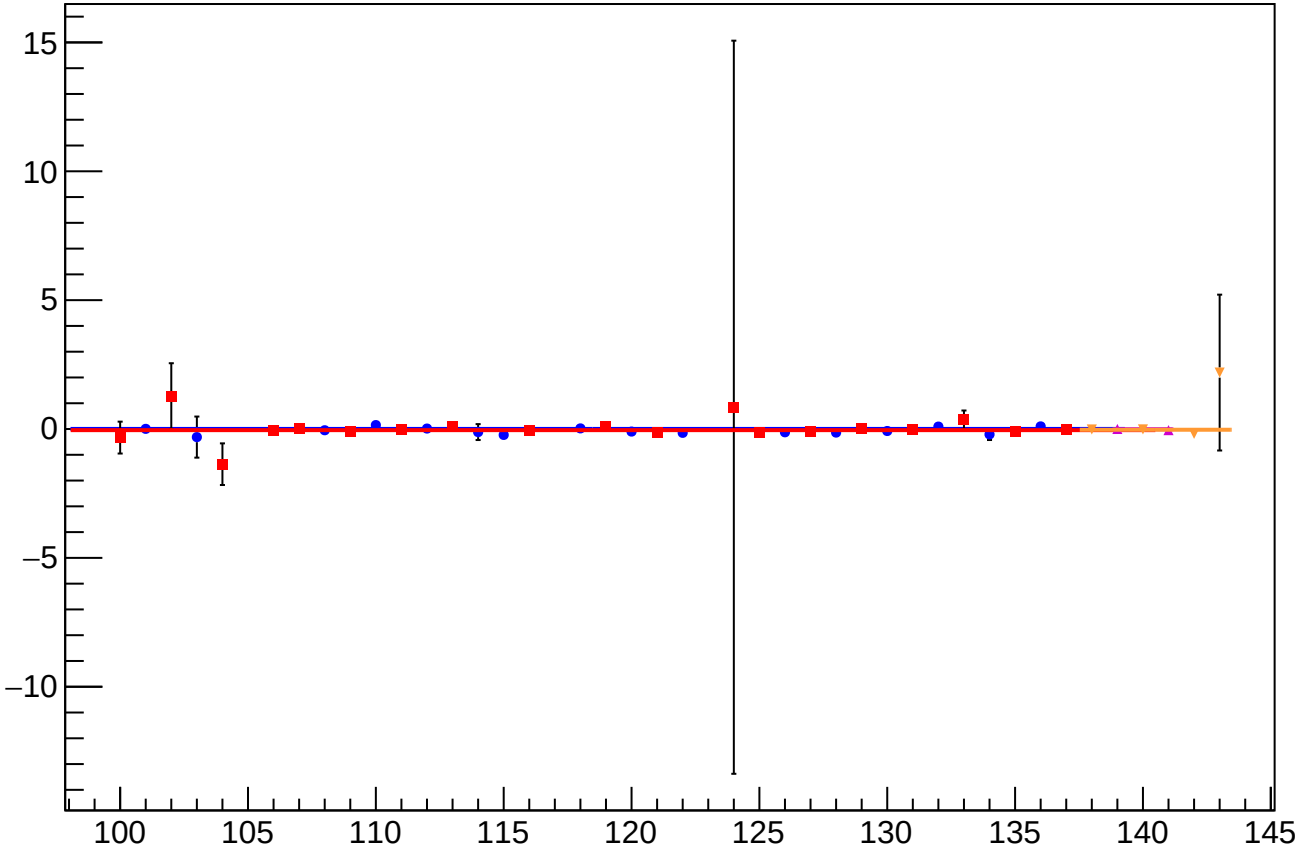
Left In: 0.000+/-0.000 χ^2/NDF:94598.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 3776734.8/19

All: 0.000+/-0.000 χ^2/NDF: 7120566.0/40

- sign 0.000+/-0.000 χ^2/NDF: 3225963.0/20

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

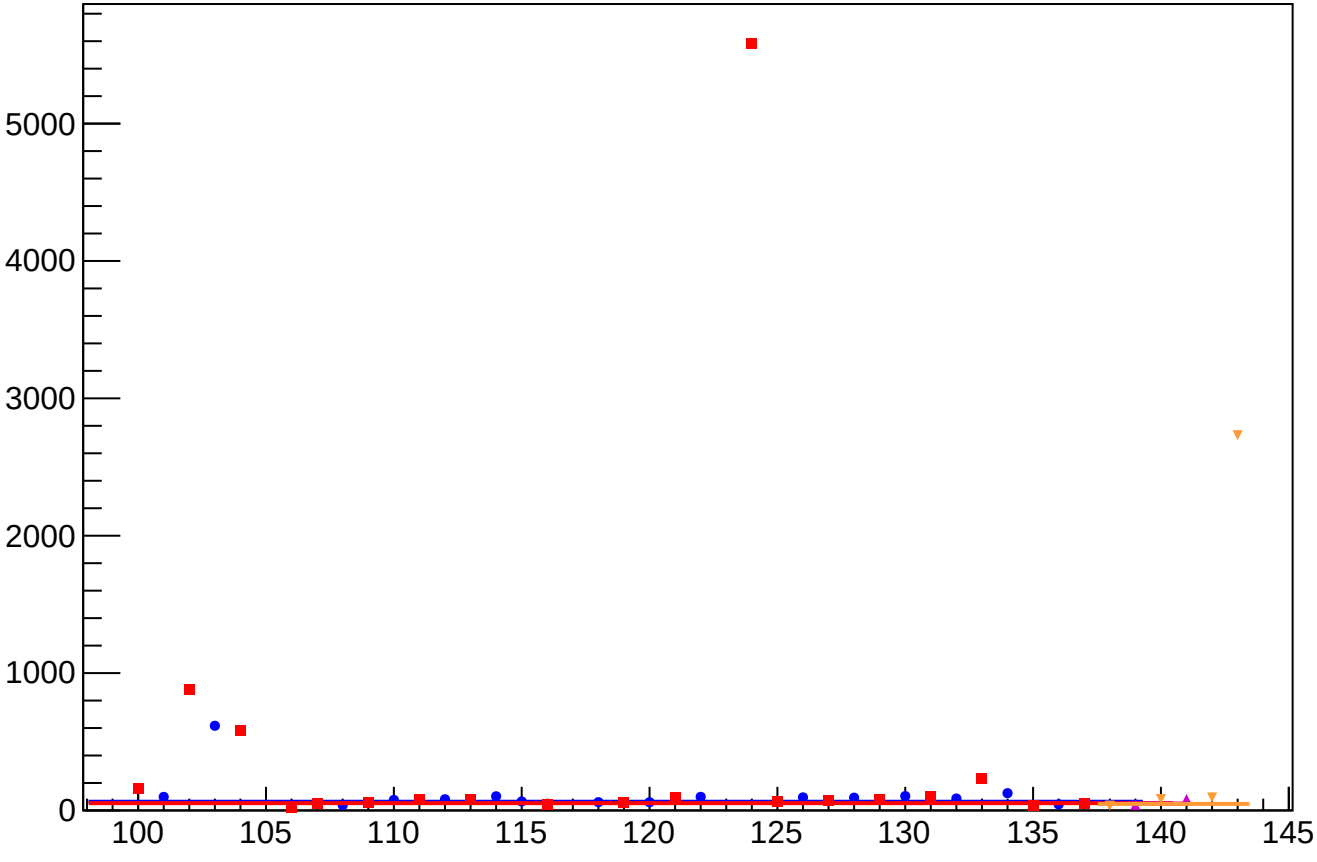
Left In: -0.008+/-0.044 χ^2/NDF:0.2/1

+ sign -0.007+/-0.022 χ^2/NDF: 15.5/19

All: -0.021+/-0.015 χ^2/NDF: 29.7/40

- sign -0.035+/-0.022 χ^2/NDF: 13.4/20

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 47.655+/-0.027 χ^2/NDF:2232378.6/3

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

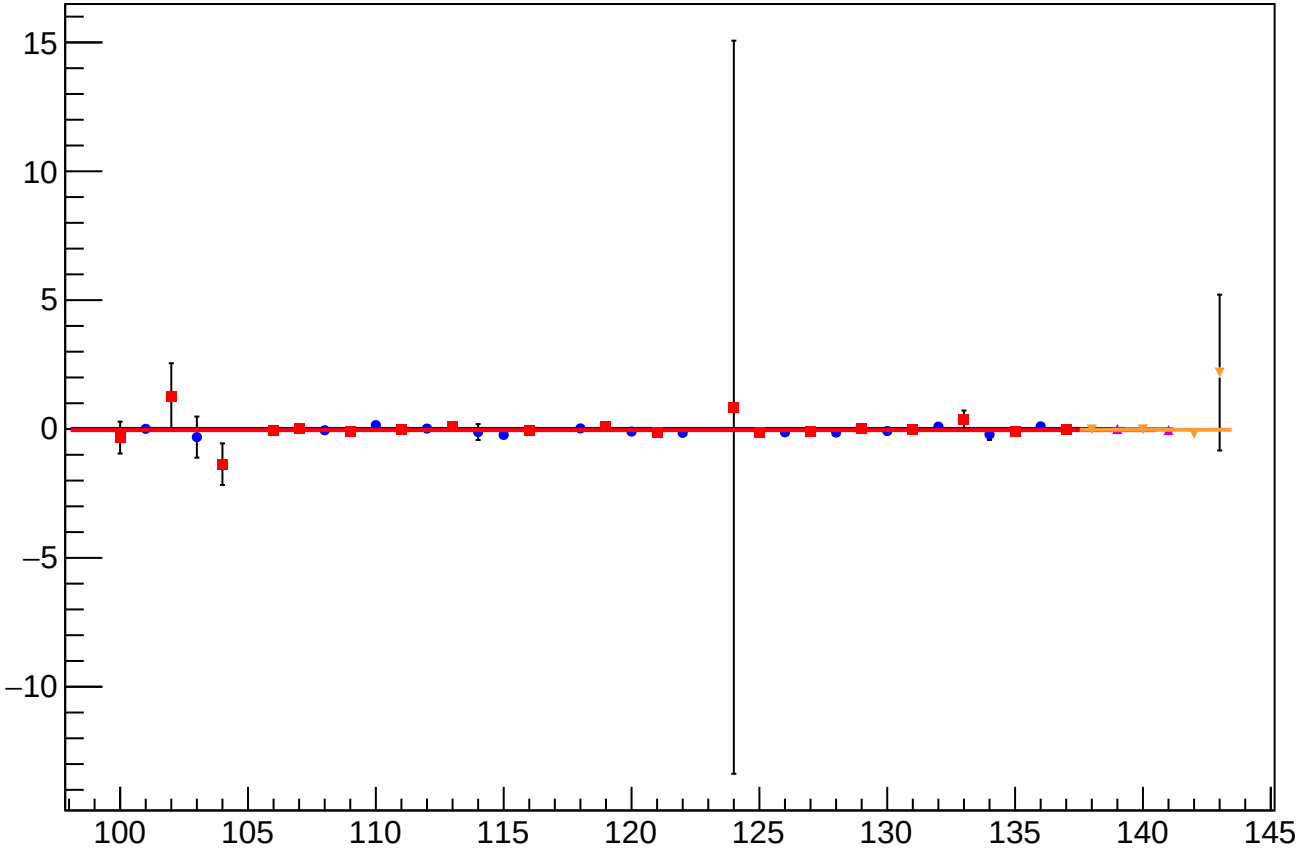
Left In: 50.119+/-0.031 χ^2/NDF:327935.7/1

+ sign 58.172+/-0.016 χ^2/NDF: 4903001.4/19

All: 55.228+/-0.011 χ^2/NDF: 9252689.9/40

- sign 52.448+/-0.015 χ^2/NDF: 4281306.3/20

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: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

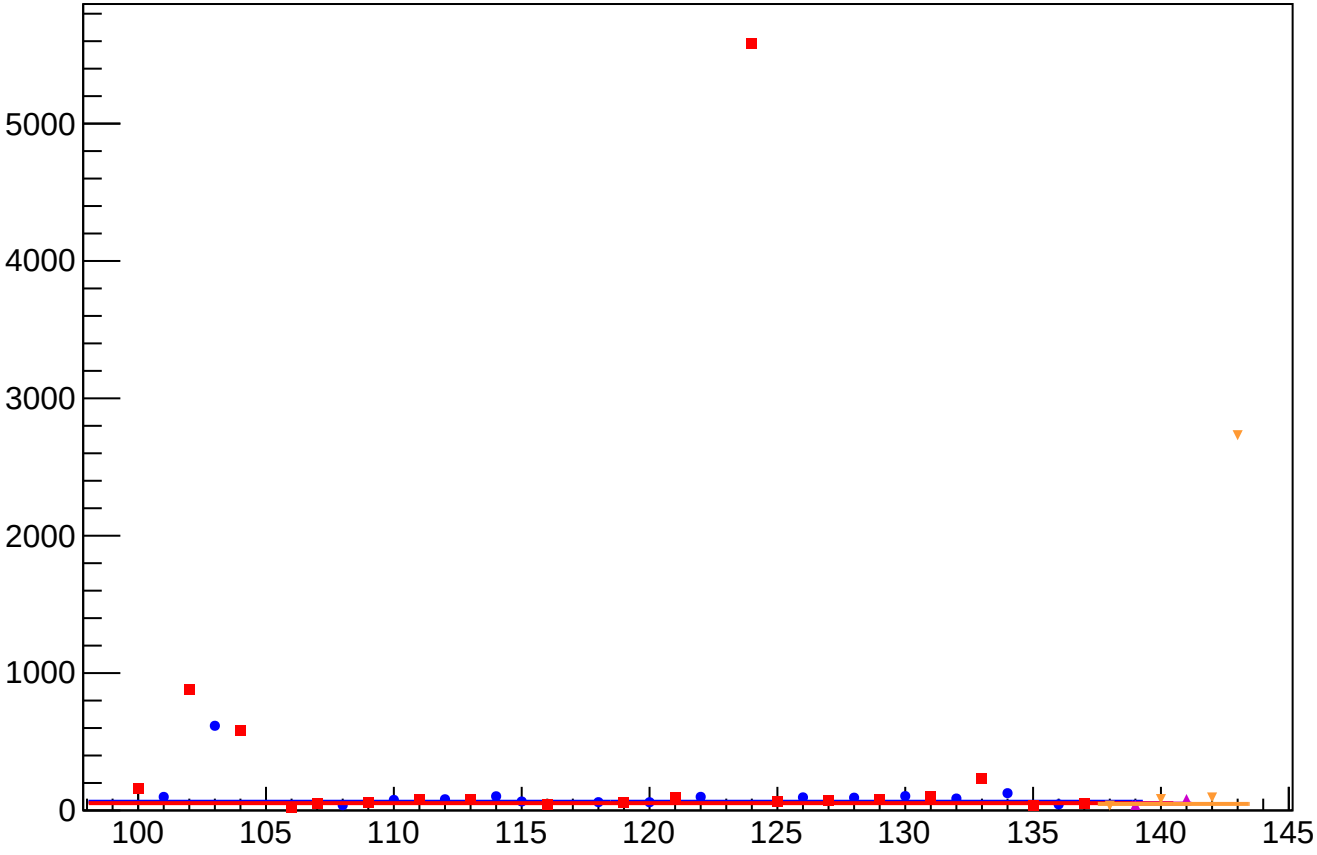
Left In: -0.008+/-0.044 χ^2/NDF:0.2/1

+ sign -0.007+/-0.022 χ^2/NDF: 15.5/19

All: -0.021+/-0.015 χ^2/NDF: 29.7/40

- sign -0.035+/-0.022 χ^2/NDF: 13.4/20

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: 47.655+/-0.027 χ^2/NDF:2232378.6/3

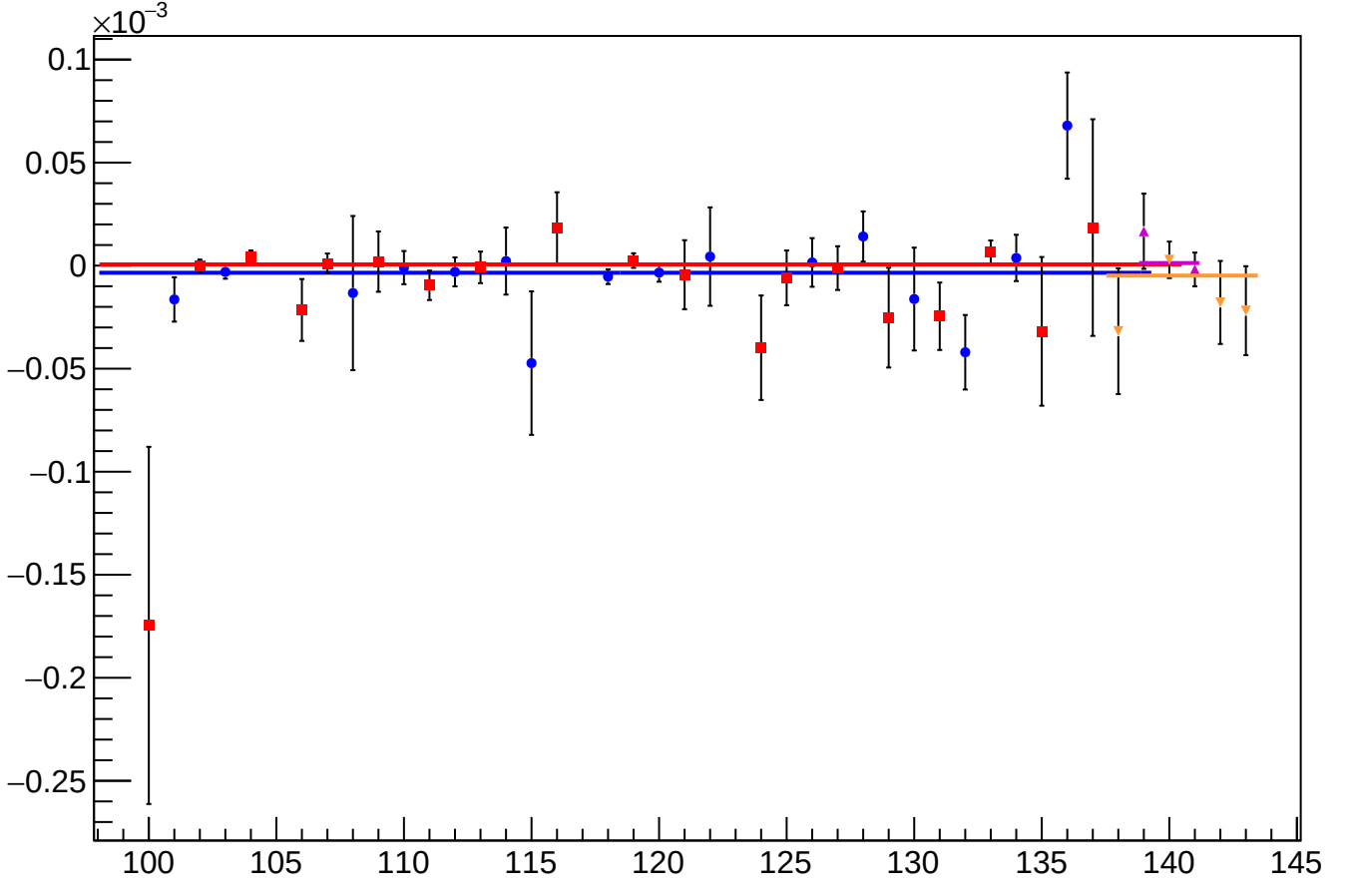
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 50.119+/-0.031 χ^2/NDF:327935.7/1

+ sign 58.172+/-0.016 χ^2/NDF: 4903001.4/19

All: 55.228+/-0.011 χ^2/NDF: 9252689.9/40

- sign 52.448+/-0.015 χ^2/NDF: 4281306.3/20



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/3

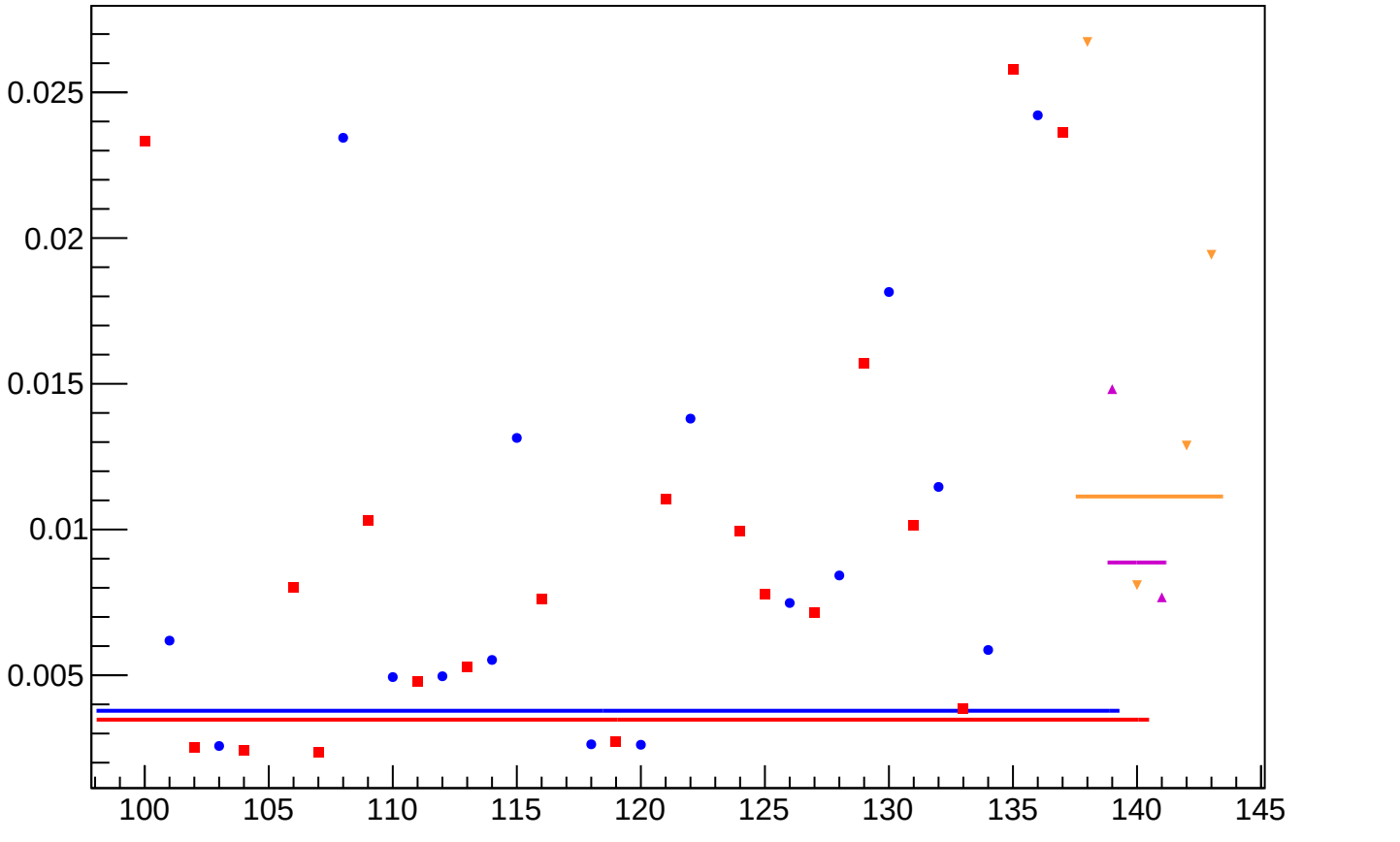
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 21.5/19

All: -0.000+/-0.000 χ^2/NDF: 44.7/40

- sign 0.000+/-0.000 χ^2/NDF: 20.0/20



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:1069712.5/3

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

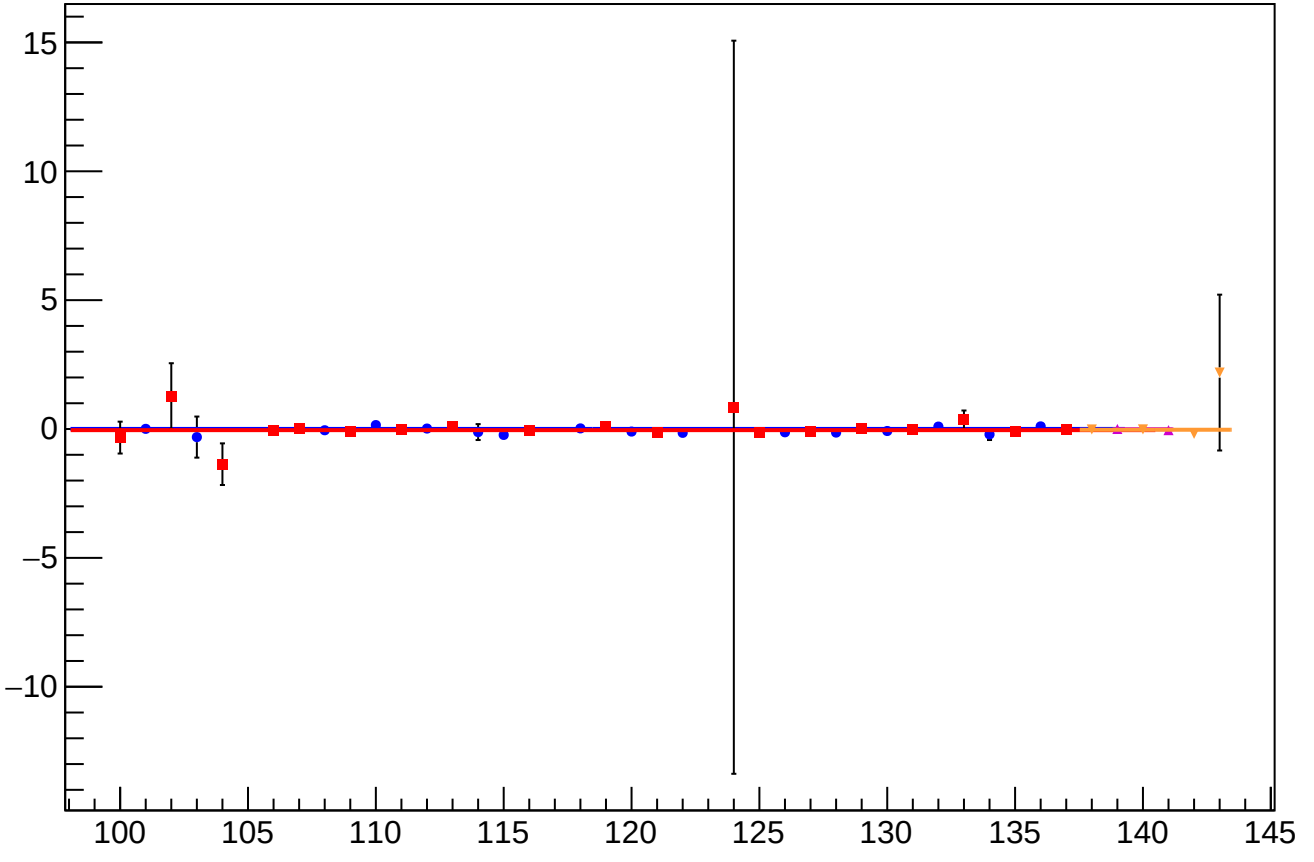
Left In: 0.009+/-0.000 χ^2/NDF:254851.0/1

+ sign 0.004+/-0.000 χ^2/NDF: 7669418.4/19

All: 0.004+/-0.000 χ^2/NDF: 13515679.7/40

- sign 0.004+/-0.000 χ^2/NDF: 5750354.8/20

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: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

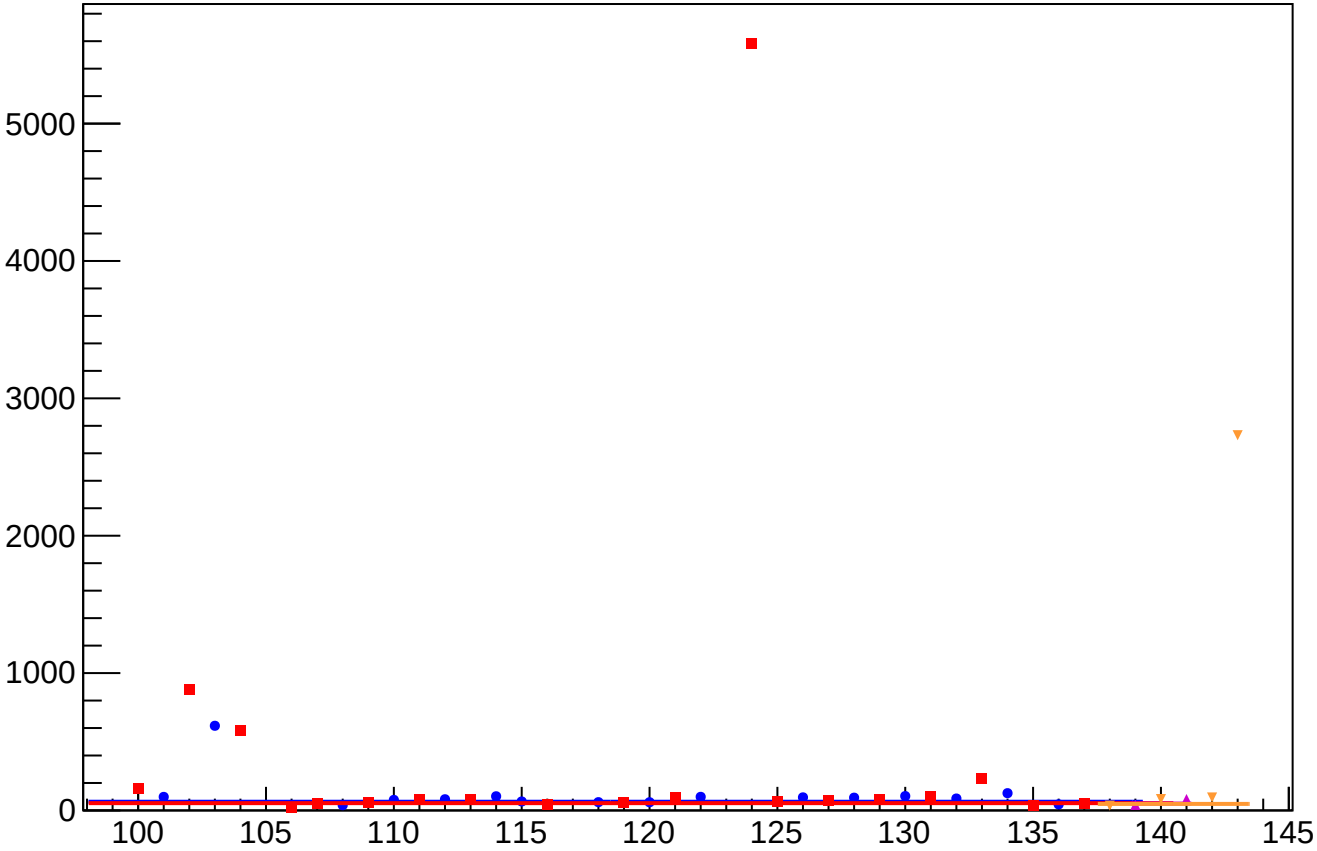
Left In: -0.008+/-0.044 χ^2/NDF:0.2/1

+ sign -0.007+/-0.022 χ^2/NDF: 15.5/19

All: -0.021+/-0.015 χ^2/NDF: 29.7/40

- sign -0.035+/-0.022 χ^2/NDF: 13.4/20

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: 47.656+/-0.027 χ^2/NDF:2232468.8/3

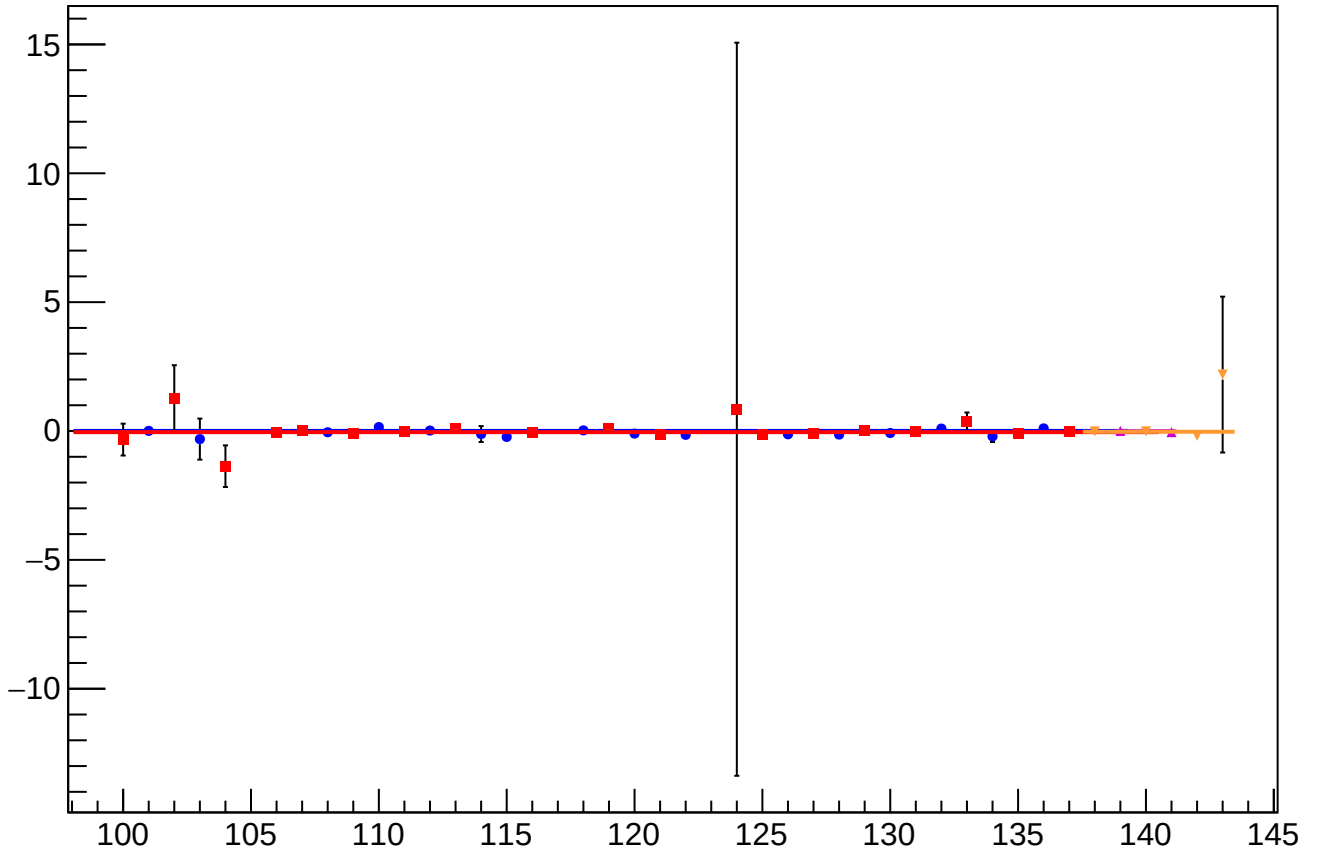
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 50.131+/-0.031 χ^2/NDF:327802.1/1

+ sign 58.178+/-0.016 χ^2/NDF: 4902393.5/19

All: 55.230+/-0.011 χ^2/NDF: 9252563.4/40

- sign 52.447+/-0.015 χ^2/NDF: 4281636.8/20



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.028+/-0.038 χ^2/NDF:1.8/3

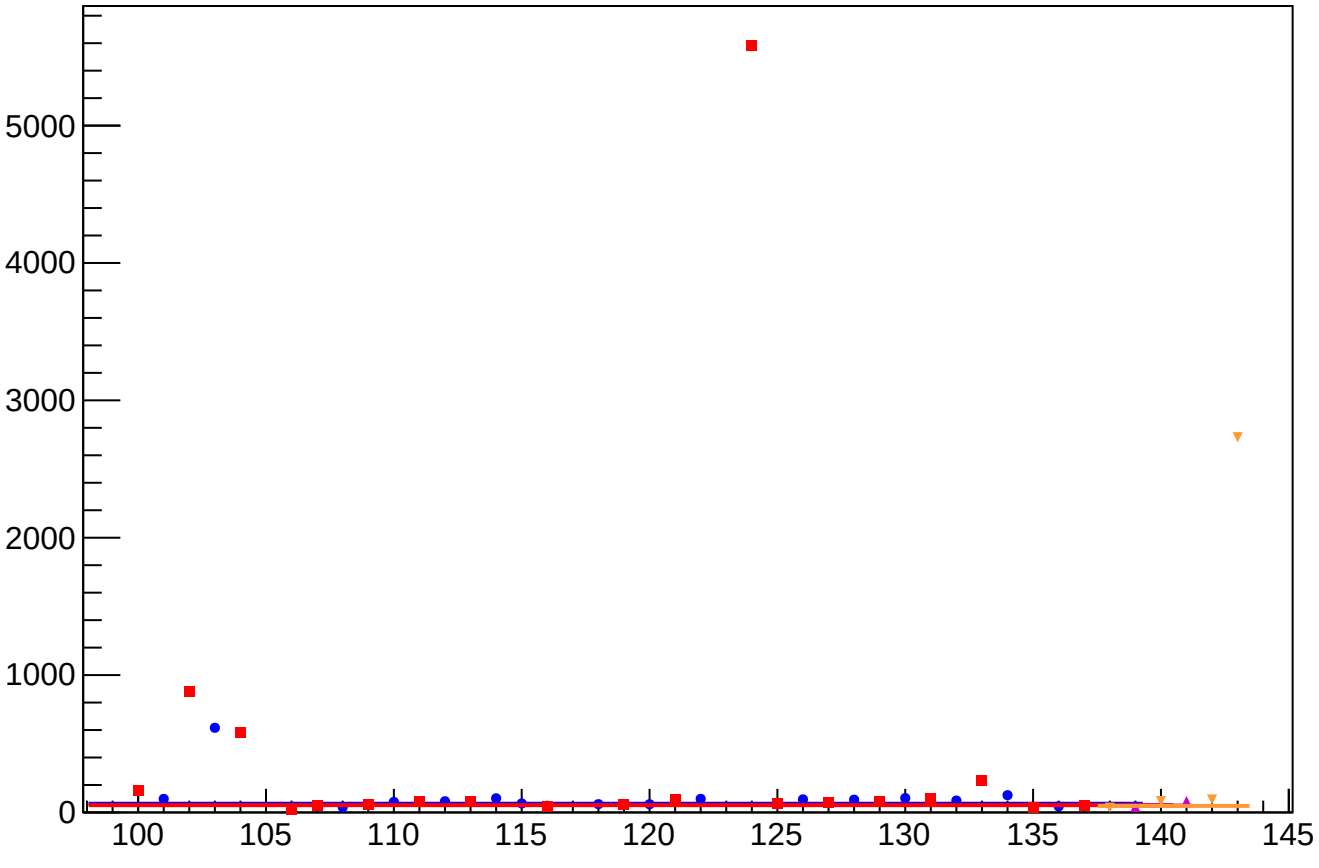
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.044 χ^2/NDF:0.2/1

+ sign -0.007+/-0.022 χ^2/NDF: 15.5/19

All: -0.021+/-0.015 χ^2/NDF: 29.7/40

- sign -0.035+/-0.022 χ^2/NDF: 13.4/20



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 47.656+/-0.027 χ^2/NDF:2232468.8/3

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

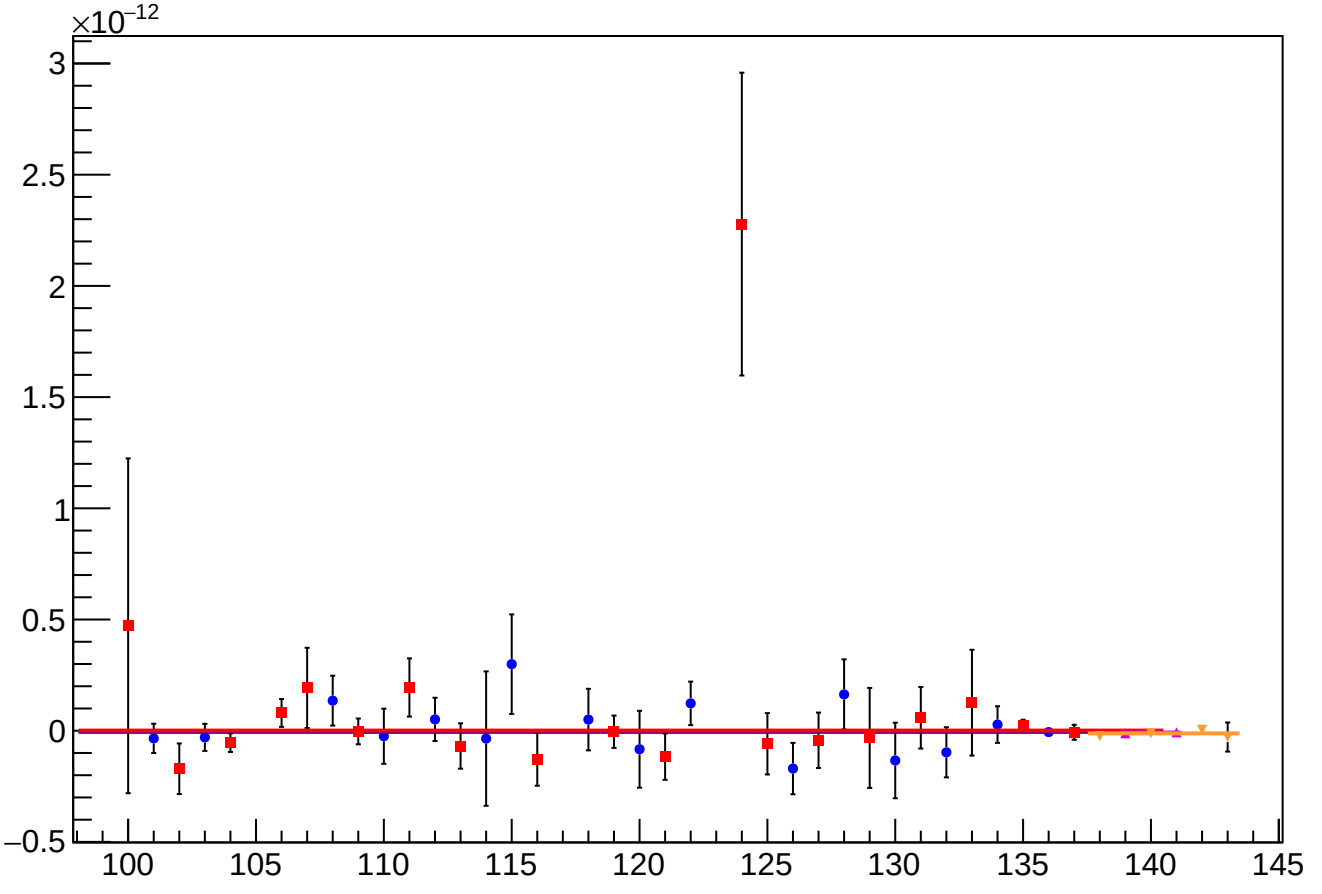
Left In: 50.131+/-0.031 χ^2/NDF:327802.1/1

+ sign 58.178+/-0.016 χ^2/NDF: 4902393.5/19

All: 55.230+/-0.011 χ^2/NDF: 9252563.4/40

- sign 52.447+/-0.015 χ^2/NDF: 4281636.8/20

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:1.4/3

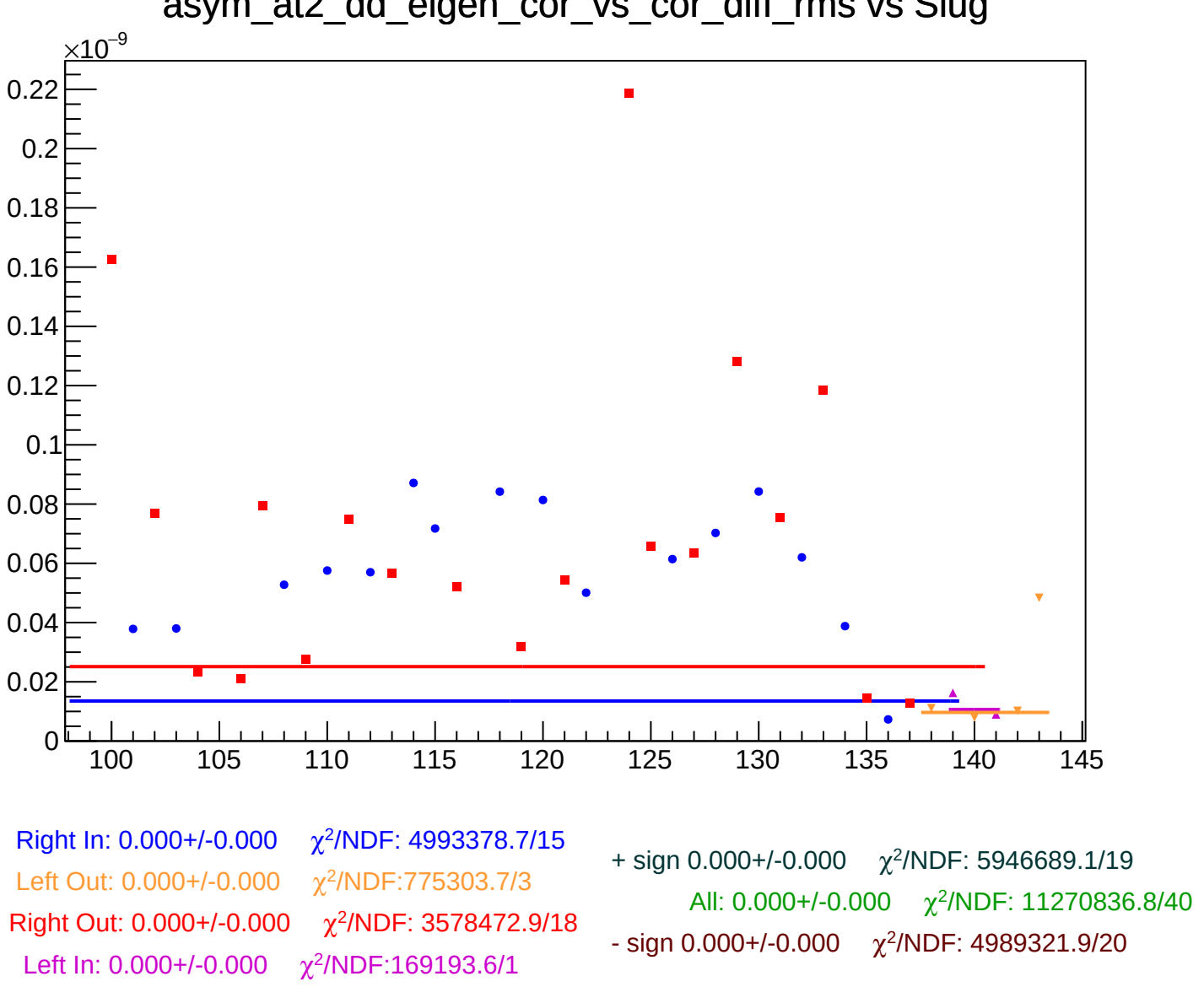
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

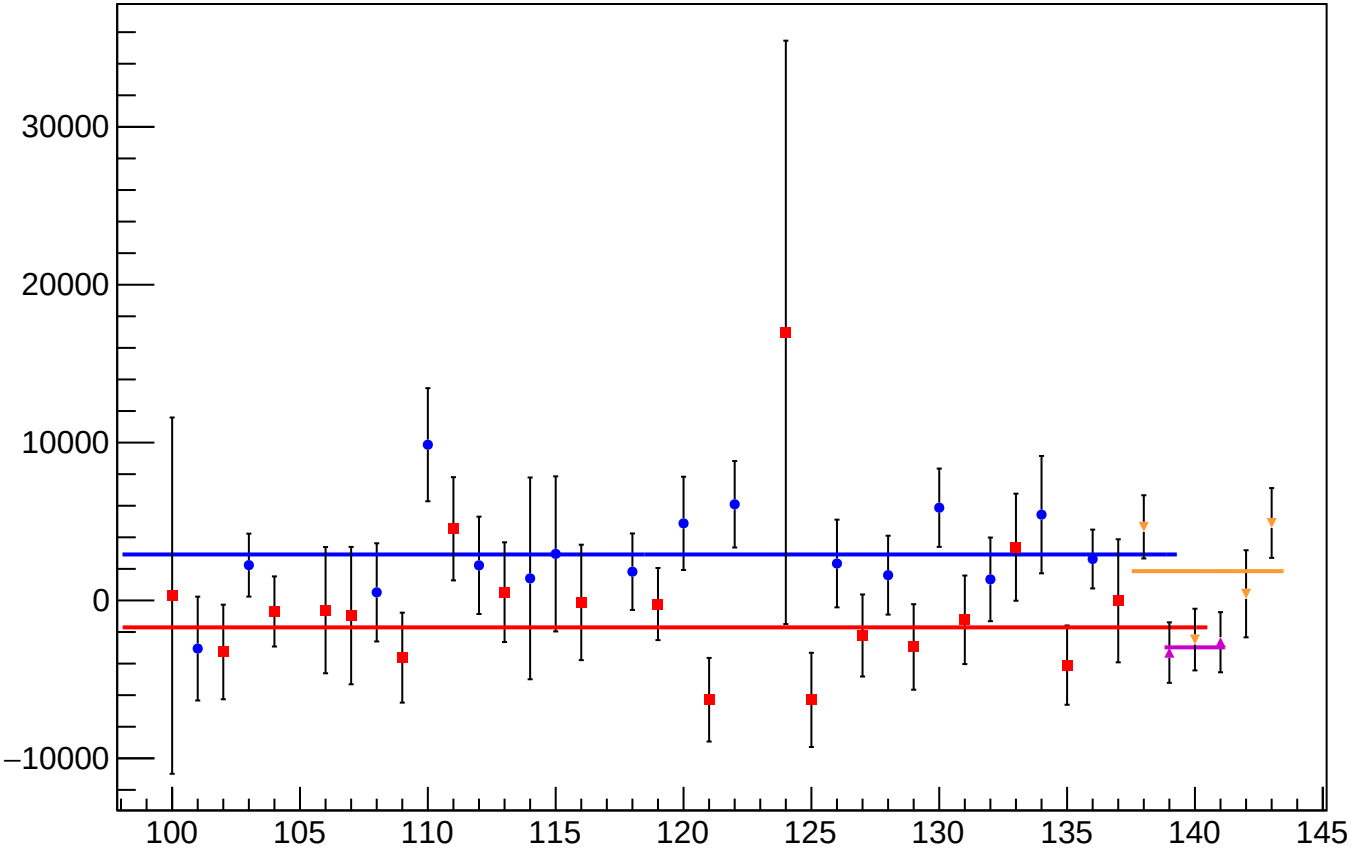
+ sign -0.000+/-0.000 χ^2/NDF: 12.5/19

All: -0.000+/-0.000 χ^2/NDF: 38.0/40

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


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:775303.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:169193.6/1
+ sign 0.000+/-0.000 χ²/NDF: 5946689.1/19
All: 0.000+/-0.000 χ²/NDF: 11270836.8/40
- sign 0.000+/-0.000 χ²/NDF: 4989321.9/20

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1855.513+/-1086.318 χ^2/NDF:9.1/3

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

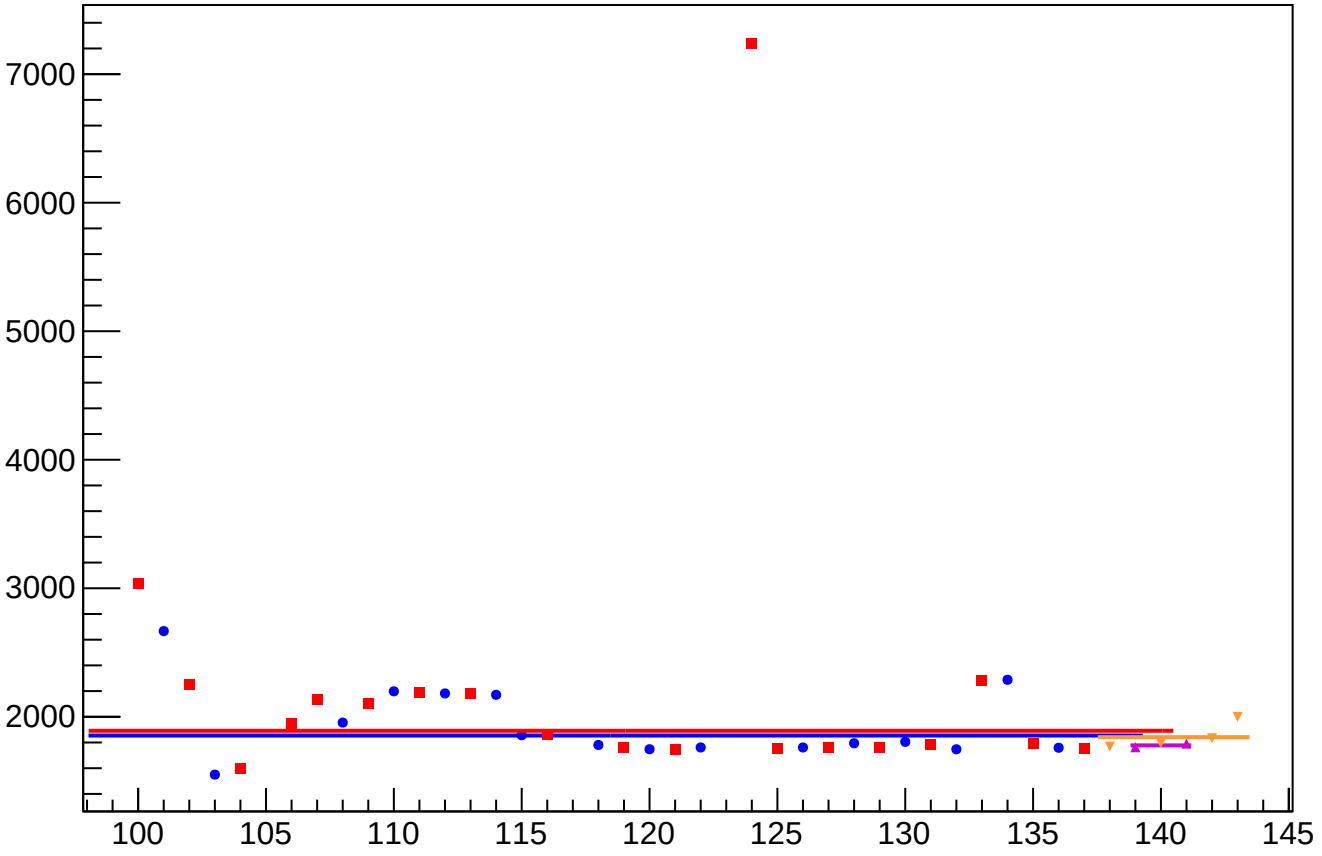
Left In: -2972.476+/-1350.895 χ^2/NDF:0.1/1

+ sign 2605.824+/-585.475 χ^2/NDF: 22.2/19

All: 468.441+/-427.696 χ^2/NDF: 67.3/40

- sign -1977.352+/-626.293 χ^2/NDF: 16.6/20

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

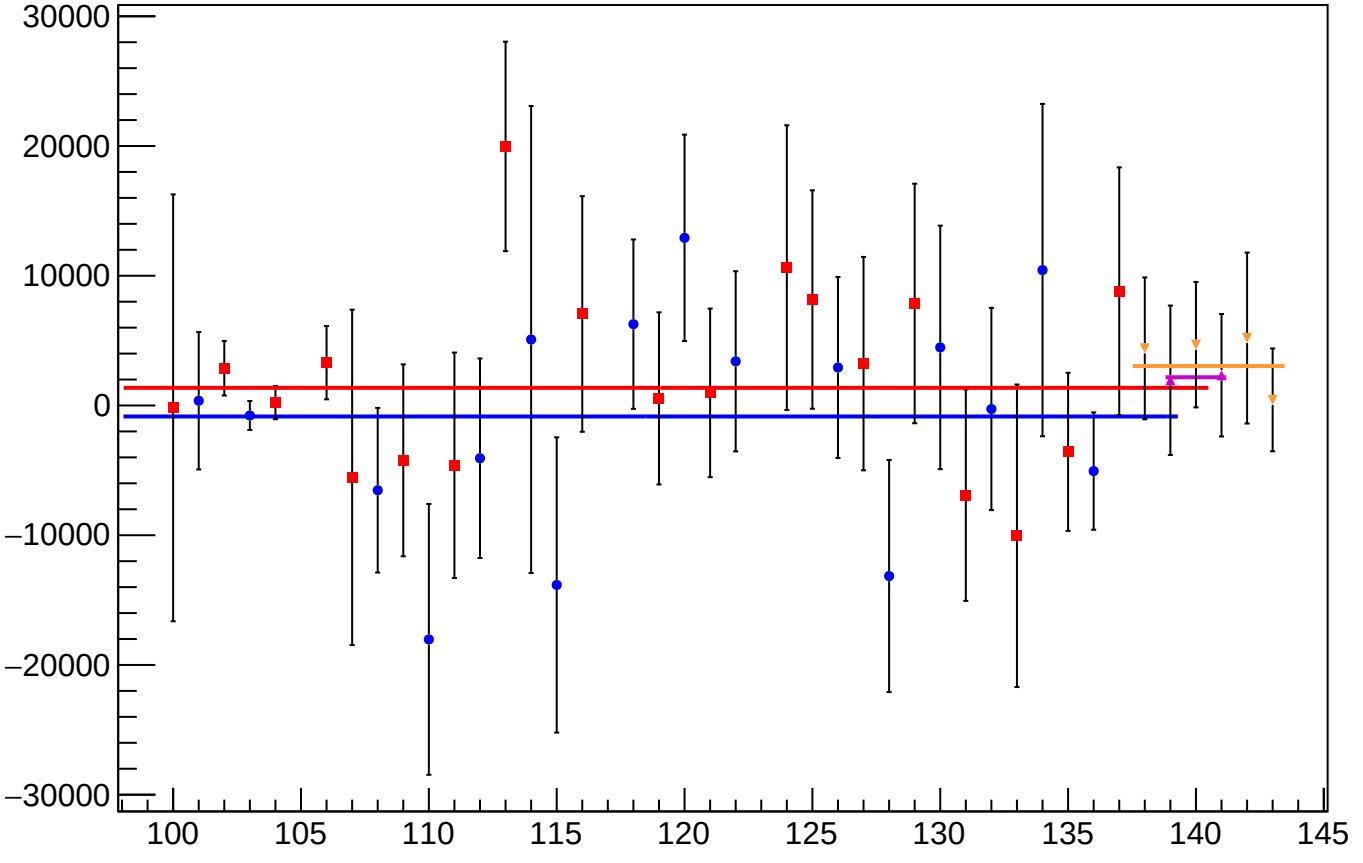
Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

+ sign 1850.641+/-0.414 χ^2/NDF: 277494.7/19

All: 1858.320+/-0.302 χ^2/NDF: 653673.4/40

- sign 1867.075+/-0.442 χ^2/NDF: 375442.3/20

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 3038.970+/-2477.614 χ^2/NDF:0.7/3

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

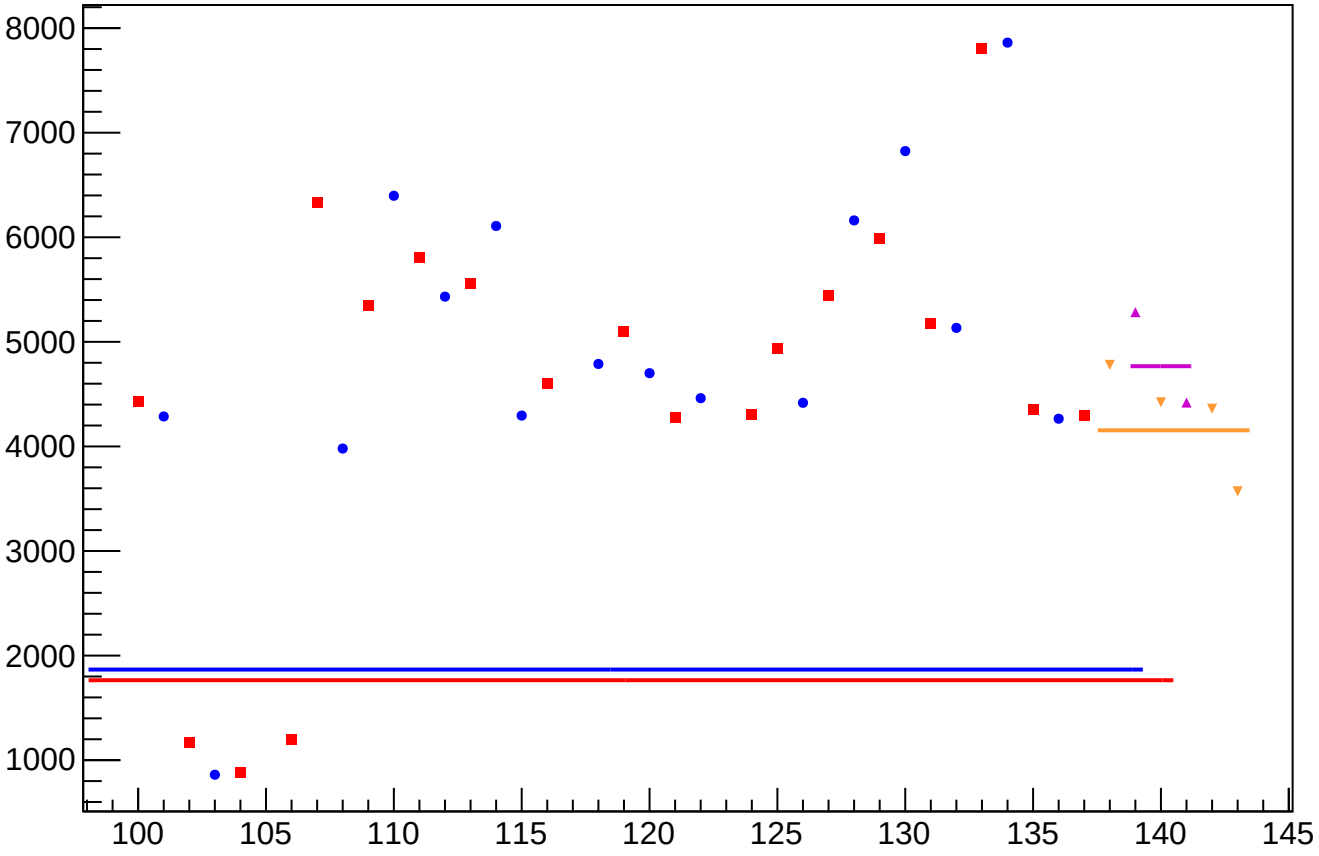
Left In: 2175.480+/-3649.437 χ^2/NDF:0.0/1

+ sign -337.909+/-897.519 χ^2/NDF: 16.7/19

All: 544.873+/-631.383 χ^2/NDF: 32.7/40

- sign 1409.755+/-888.373 χ^2/NDF: 14.1/20

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4154.354+/-1.752 χ^2/NDF:77641.9/3

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

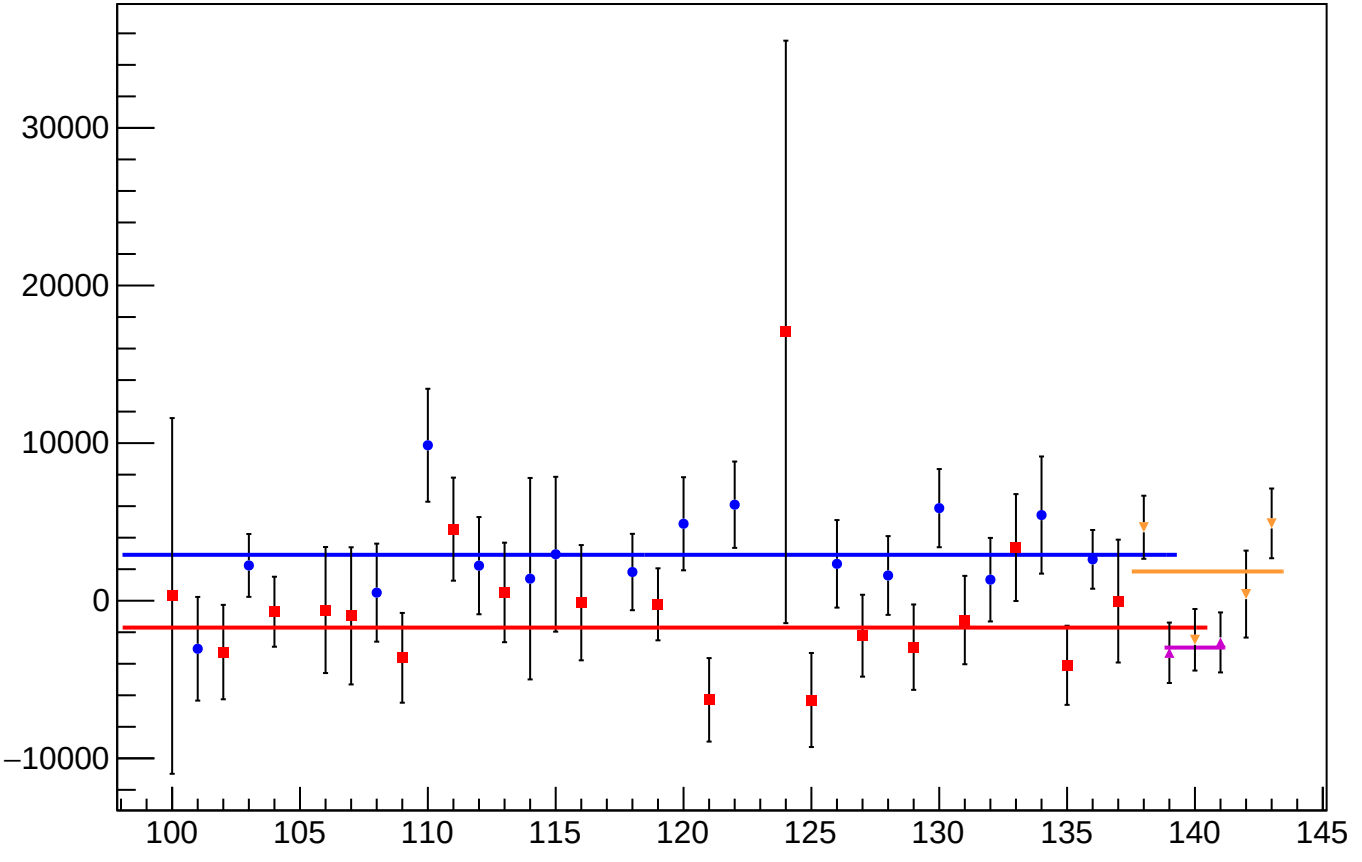
Left In: 4767.225+/-2.581 χ^2/NDF:26962.7/1

+ sign 2166.643+/-0.635 χ^2/NDF: 8408986.1/19

All: 2053.286+/-0.446 χ^2/NDF: 16207841.6/4

- sign 1942.226+/-0.628 χ^2/NDF: 7735694.6/20

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1855.438+/-1086.318 χ^2/NDF:9.1/3

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

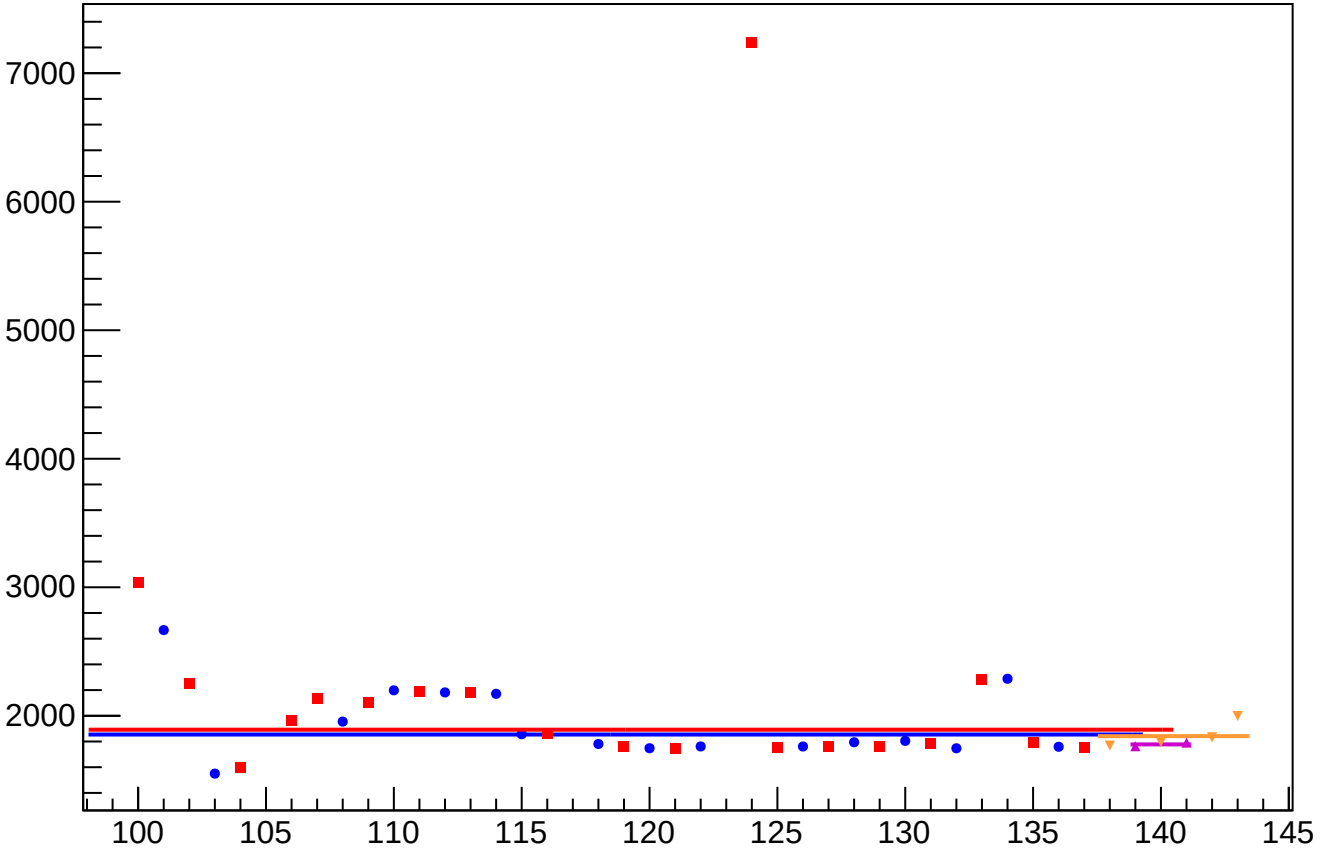
Left In: -2972.863+/-1350.895 χ^2/NDF:0.1/1

+ sign 2605.873+/-585.475 χ^2/NDF: 22.2/19

All: 468.937+/-427.696 χ^2/NDF: 67.3/40

- sign -1976.352+/-626.293 χ^2/NDF: 16.6/20

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

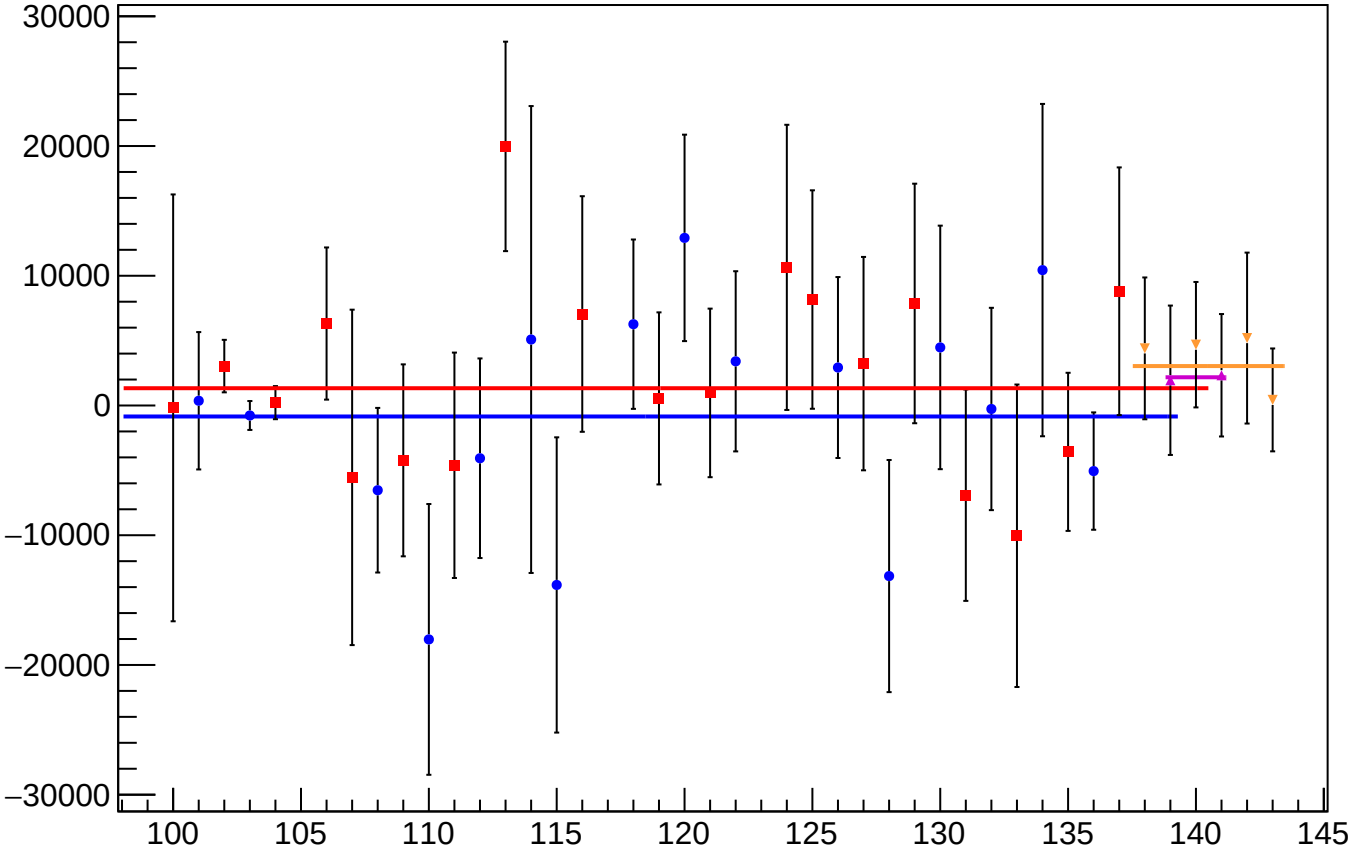
Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

+ sign 1850.641+/-0.414 χ^2/NDF: 277494.6/19

All: 1858.483+/-0.302 χ^2/NDF: 654035.5/40

- sign 1867.427+/-0.442 χ^2/NDF: 375772.9/20

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3038.826+/-2477.602 χ^2/NDF:0.7/3

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

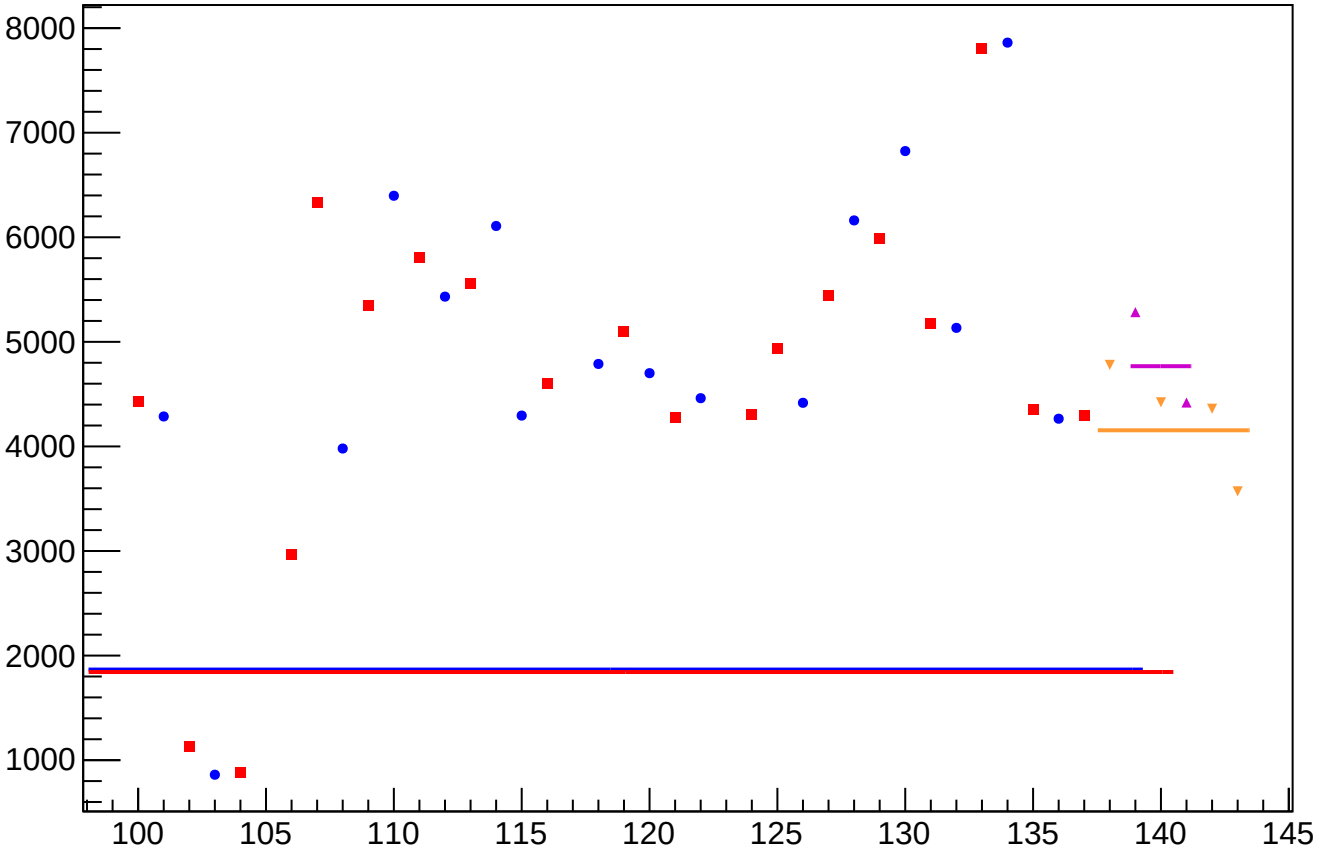
Left In: 2175.352+/-3649.437 χ^2/NDF:0.0/1

+ sign -337.561+/-897.475 χ^2/NDF: 16.7/19

All: 504.405+/-641.640 χ^2/NDF: 33.0/40

- sign 1384.739+/-917.696 χ^2/NDF: 14.5/20

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4154.332+/-1.752 χ^2/NDF:77645.9/3

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

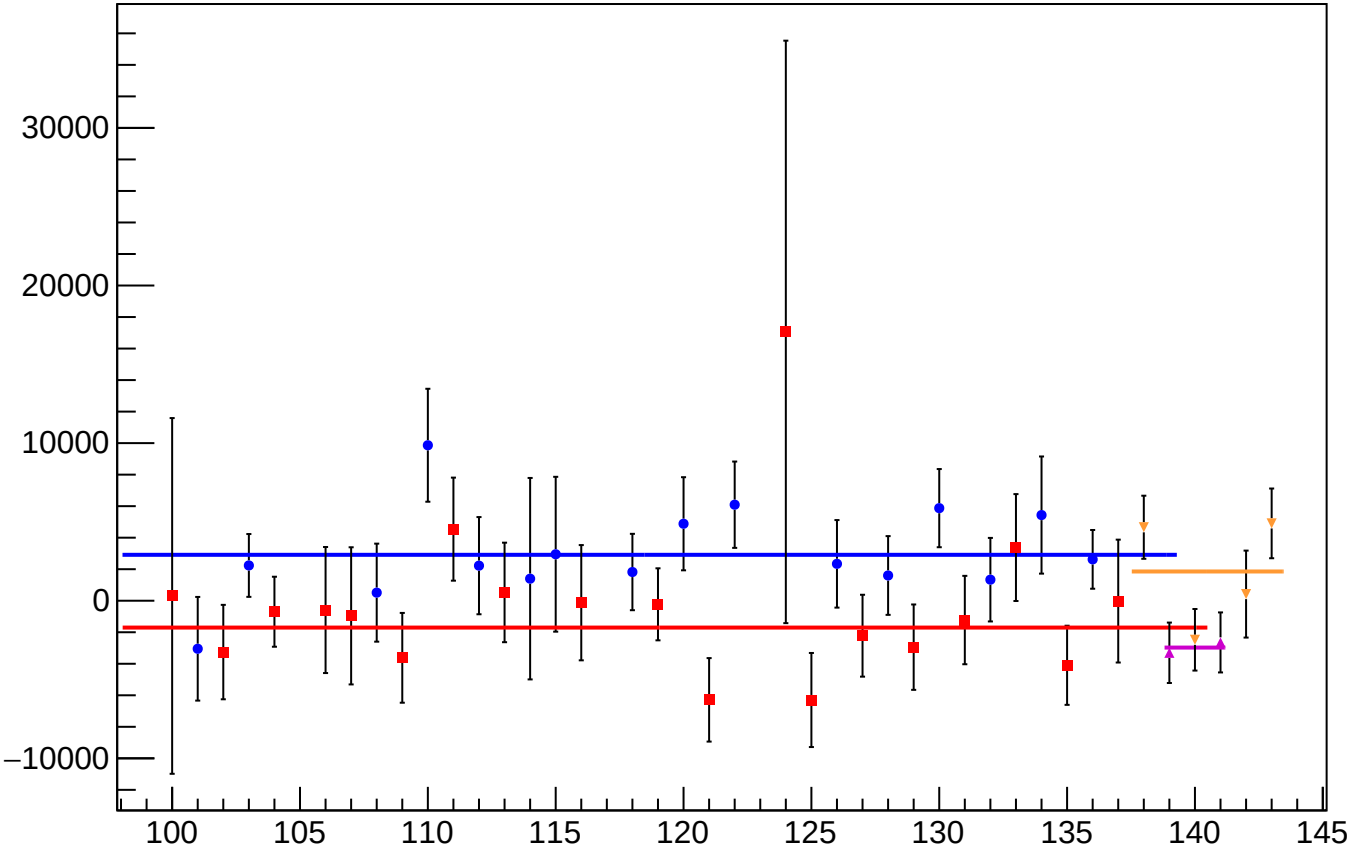
Left In: 4767.225+/-2.581 χ^2/NDF:26963.2/1

+ sign 2166.481+/-0.635 χ^2/NDF: 8409618.1/19

All: 2098.684+/-0.454 χ^2/NDF: 16121385.3/4

- sign 2027.798+/-0.649 χ^2/NDF: 7688421.0/20

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1855.438+/-1086.318 χ^2/NDF:9.1/3

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

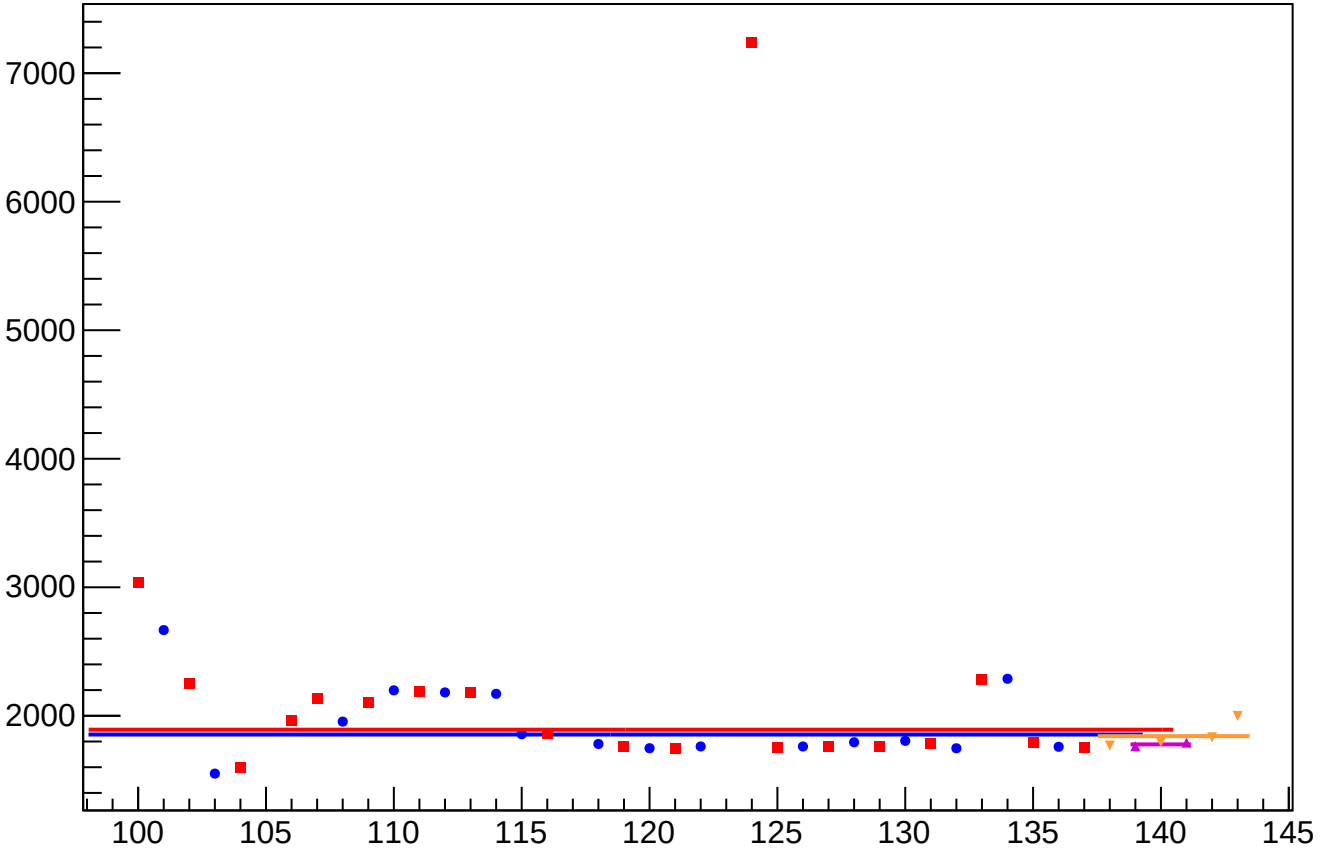
Left In: -2972.863+/-1350.895 χ^2/NDF:0.1/1

+ sign 2605.873+/-585.475 χ^2/NDF: 22.2/19

All: 468.937+/-427.696 χ^2/NDF: 67.3/40

- sign -1976.352+/-626.293 χ^2/NDF: 16.6/20

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

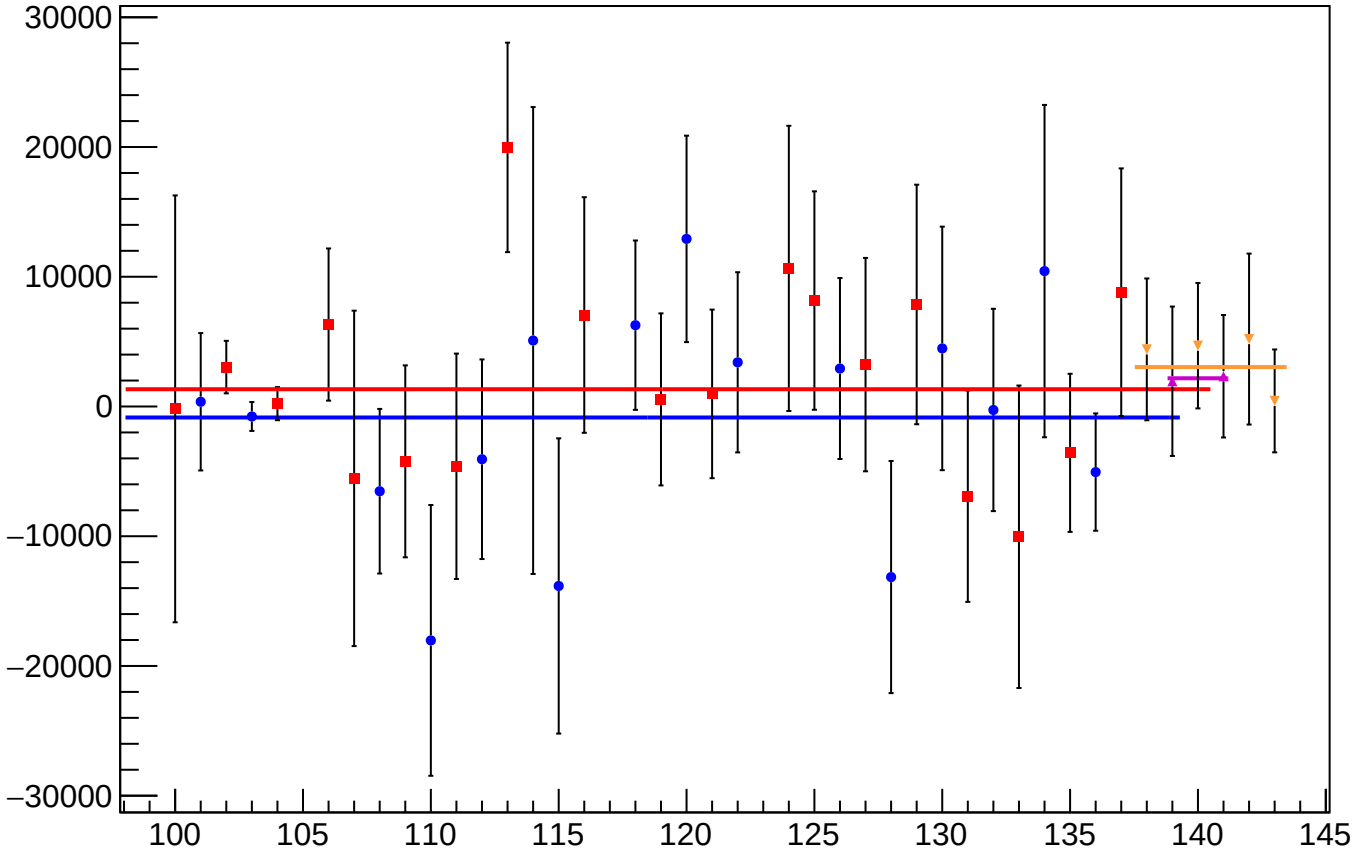
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

+ sign 1850.641+/-0.414 χ^2/NDF: 277494.6/19

All: 1858.483+/-0.302 χ^2/NDF: 654035.5/40

- sign 1867.427+/-0.442 χ^2/NDF: 375772.9/20



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3038.826+/-2477.602 χ^2/NDF:0.7/3

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

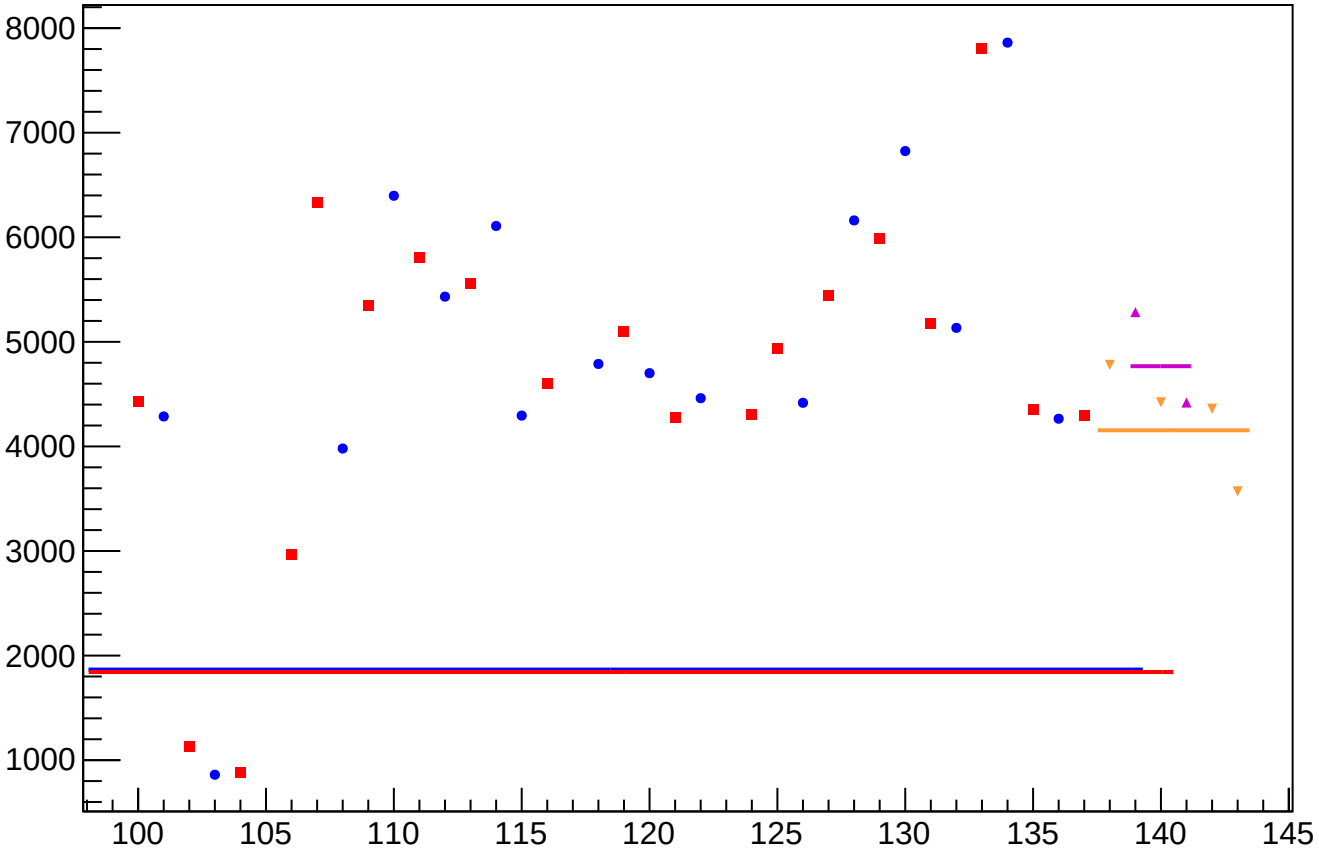
Left In: 2175.352+/-3649.437 χ^2/NDF:0.0/1

+ sign -337.561+/-897.475 χ^2/NDF: 16.7/19

All: 504.405+/-641.640 χ^2/NDF: 33.0/40

- sign 1384.739+/-917.696 χ^2/NDF: 14.5/20

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4154.332+/-1.752 χ^2/NDF:77645.9/3

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

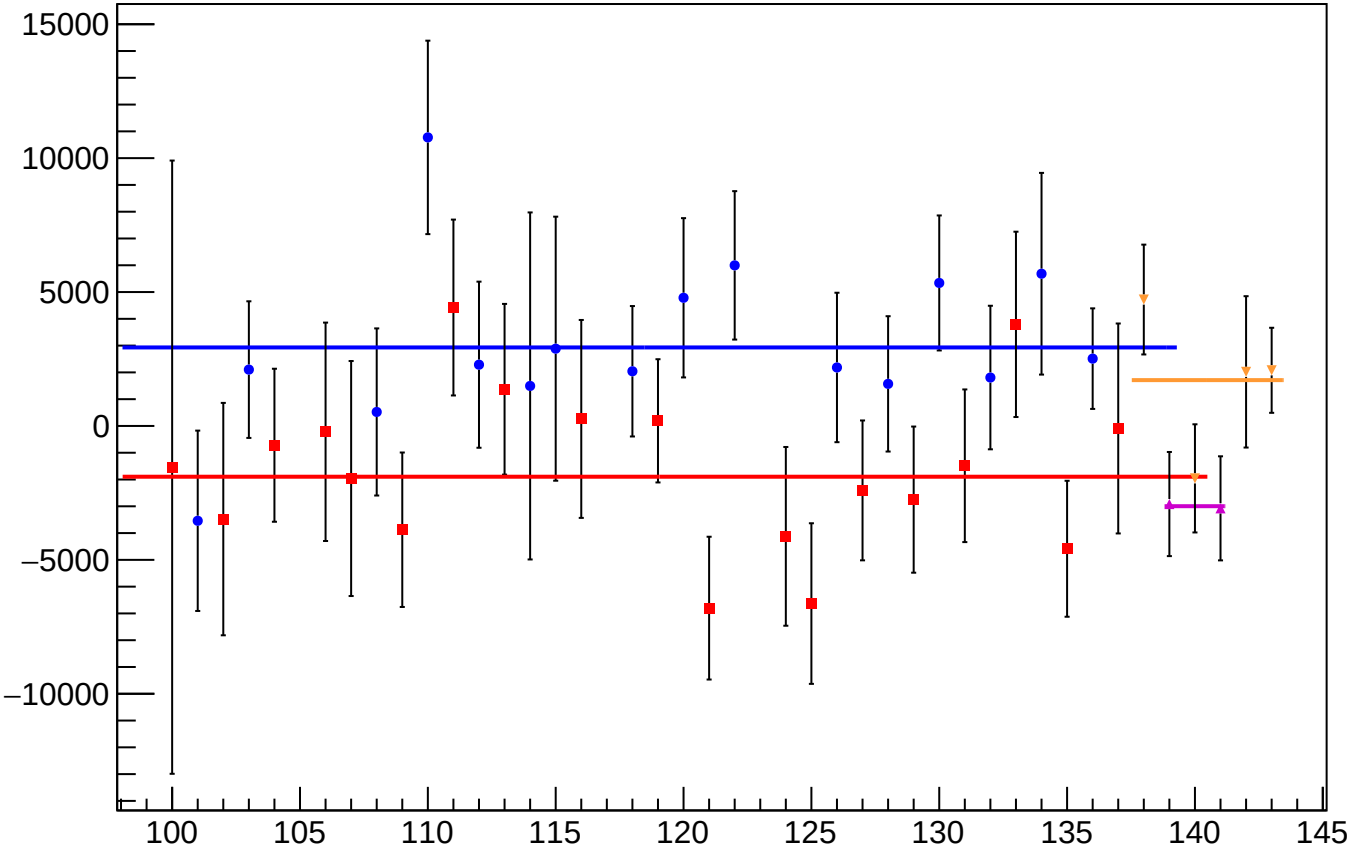
Left In: 4767.225+/-2.581 χ^2/NDF:26963.2/1

+ sign 2166.481+/-0.635 χ^2/NDF: 8409618.1/19

All: 2098.684+/-0.454 χ^2/NDF: 16121385.3/4

- sign 2027.798+/-0.649 χ^2/NDF: 7688421.0/20

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1711.331+/-997.538 χ^2/NDF:5.5/3

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

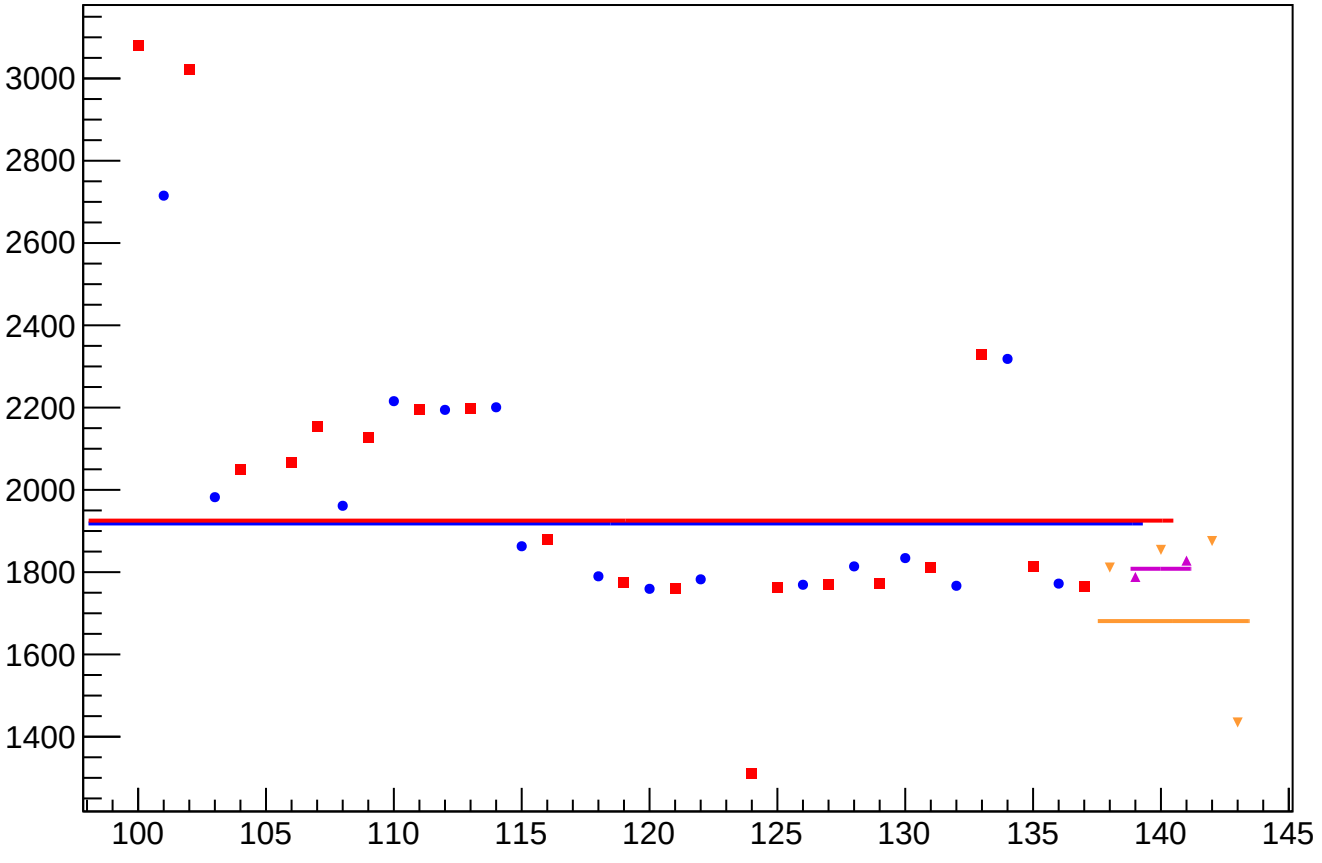
Left In: -2996.164+/-1374.327 χ^2/NDF:0.0/1

+ sign 2514.986+/-582.908 χ^2/NDF: 19.5/19

All: 404.144+/-430.687 χ^2/NDF: 66.3/40

- sign -2133.546+/-639.133 χ^2/NDF: 17.9/20

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1681.080+/-0.705 χ^2/NDF:80410.2/3

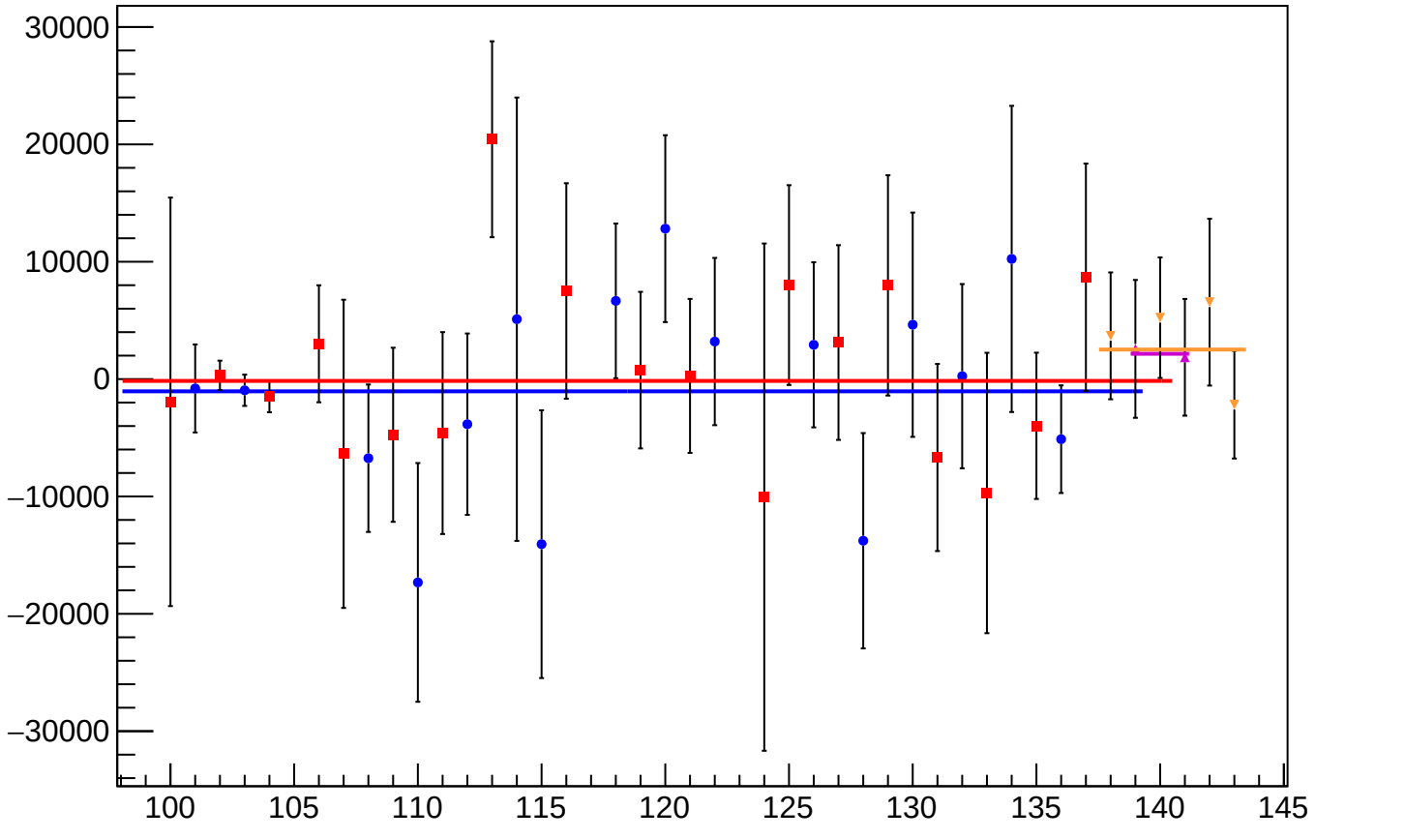
Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1808.215+/-0.972 χ^2/NDF:416.3/1

+ sign 1837.343+/-0.412 χ^2/NDF: 370528.2/19

All: 1865.805+/-0.304 χ^2/NDF: 731906.3/40

- sign 1899.979+/-0.452 χ^2/NDF: 350884.6/20



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2518.460+/-2678.334 χ^2/NDF:1.7/3

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

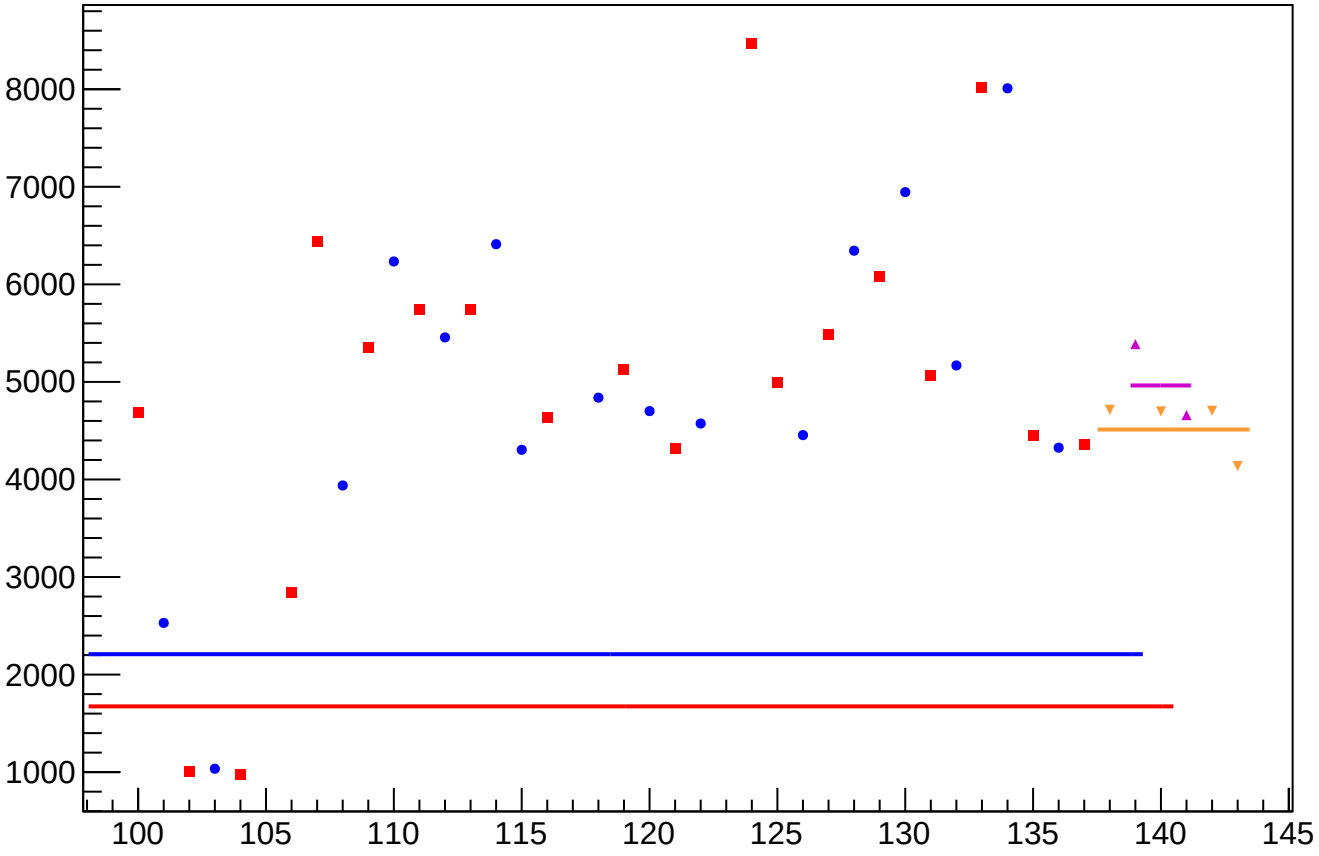
Left In: 2157.871+/-3795.312 χ^2/NDF:0.0/1

\+ sign -549.975+/-995.567 χ^2/NDF: 17.1/19

All: -248.993+/-631.149 χ^2/NDF: 31.3/40

\- sign -46.741+/-816.107 χ^2/NDF: 14.1/20

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4512.126+/-1.894 χ^2/NDF:20213.5/3

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

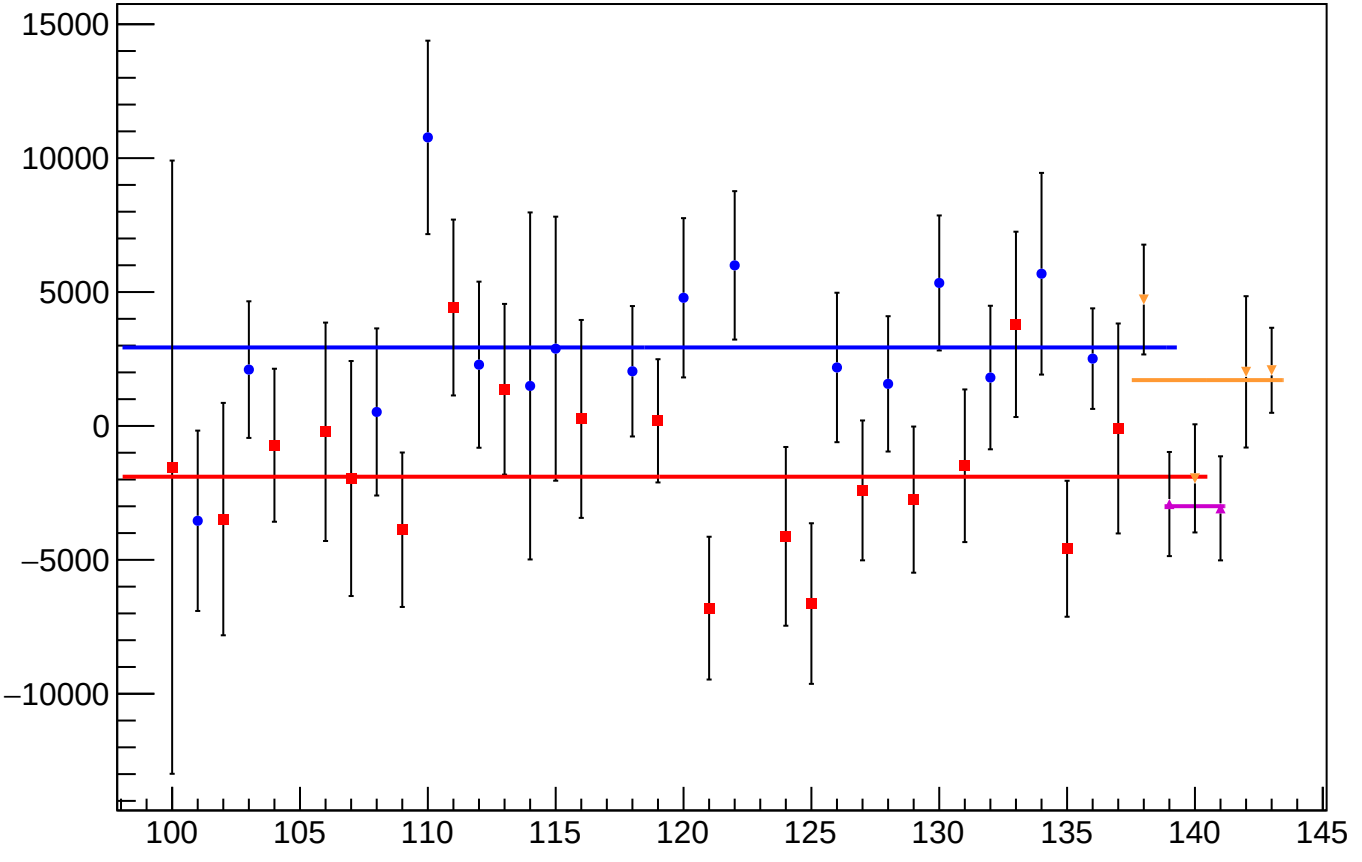
Left In: 4963.769+/-2.684 χ^2/NDF:17880.6/1

+ sign 2527.145+/-0.704 χ^2/NDF: 6793875.8/19

All: 2107.954+/-0.446 χ^2/NDF: 15690874.5/4

- sign 1826.267+/-0.577 χ^2/NDF: 8304149.4/20

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1711.328+/-997.539 χ^2/NDF:5.5/3

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

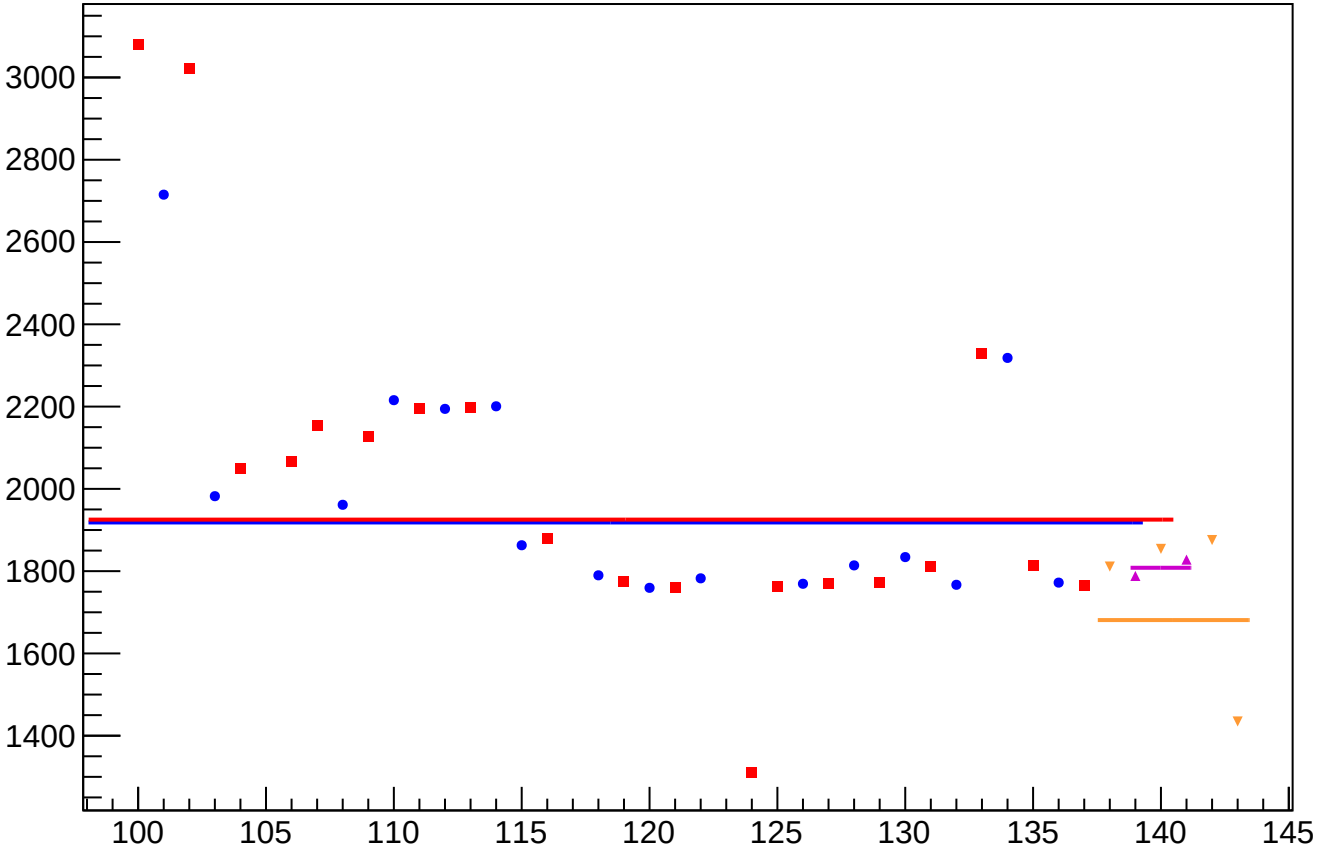
Left In: -2996.144+/-1374.327 χ^2/NDF:0.0/1

+ sign 2514.986+/-582.908 χ^2/NDF: 19.5/19

All: 404.145+/-430.687 χ^2/NDF: 66.3/40

- sign -2133.546+/-639.133 χ^2/NDF: 17.9/20

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1681.081+/-0.705 χ^2/NDF:80409.4/3

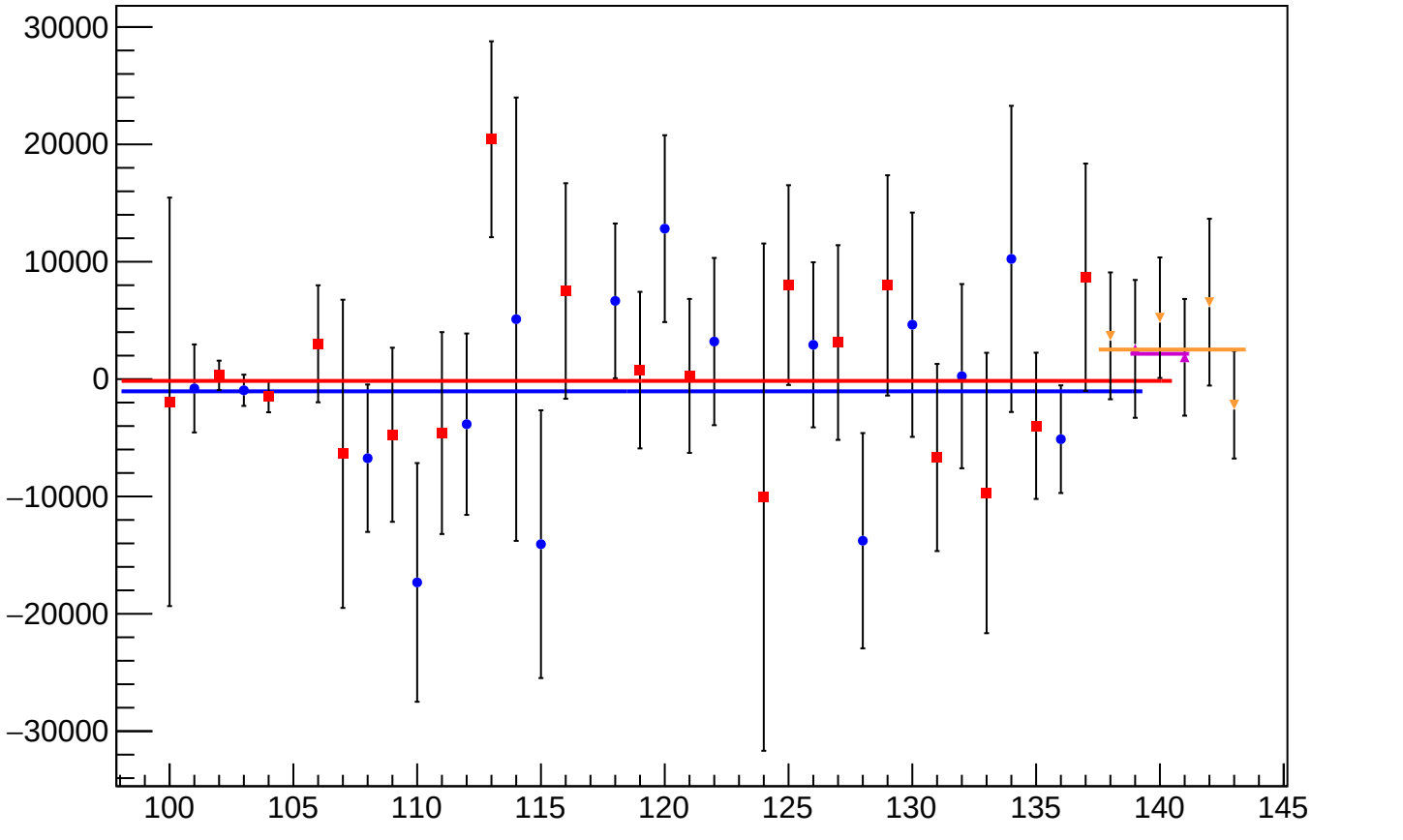
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1808.216+/-0.972 χ^2/NDF:416.3/1

+ sign 1837.343+/-0.412 χ^2/NDF: 370526.0/19

All: 1865.805+/-0.304 χ^2/NDF: 731902.8/40

- sign 1899.978+/-0.452 χ^2/NDF: 350883.4/20



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2518.466+/-2678.337 χ^2/NDF:1.7/3

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

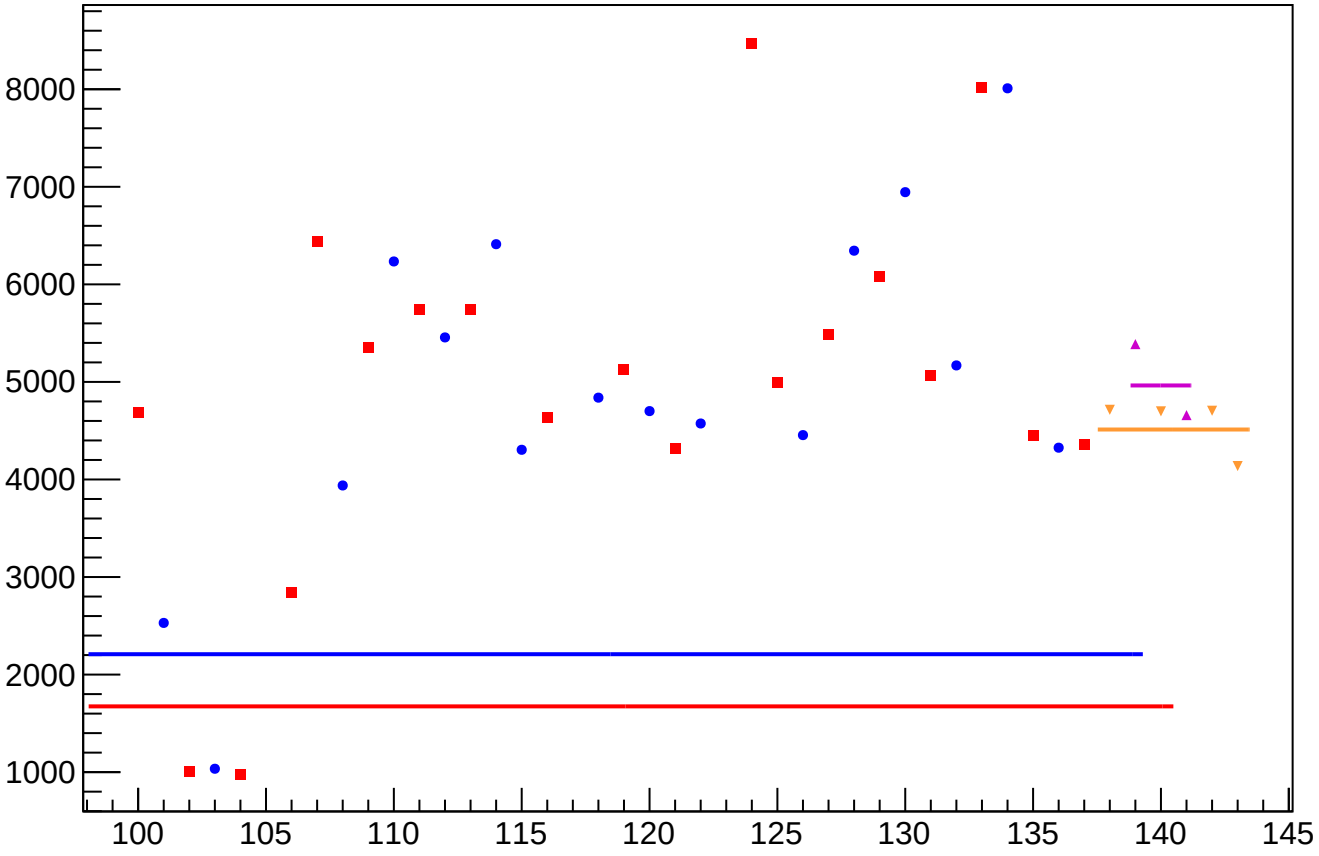
Left In: 2157.892+/-3795.315 χ^2/NDF:0.0/1

+ sign -549.974+/-995.566 χ^2/NDF: 17.1/19

All: -248.989+/-631.149 χ^2/NDF: 31.3/40

- sign -46.735+/-816.107 χ^2/NDF: 14.1/20

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4512.132+/-1.894 χ^2/NDF:20212.9/3

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

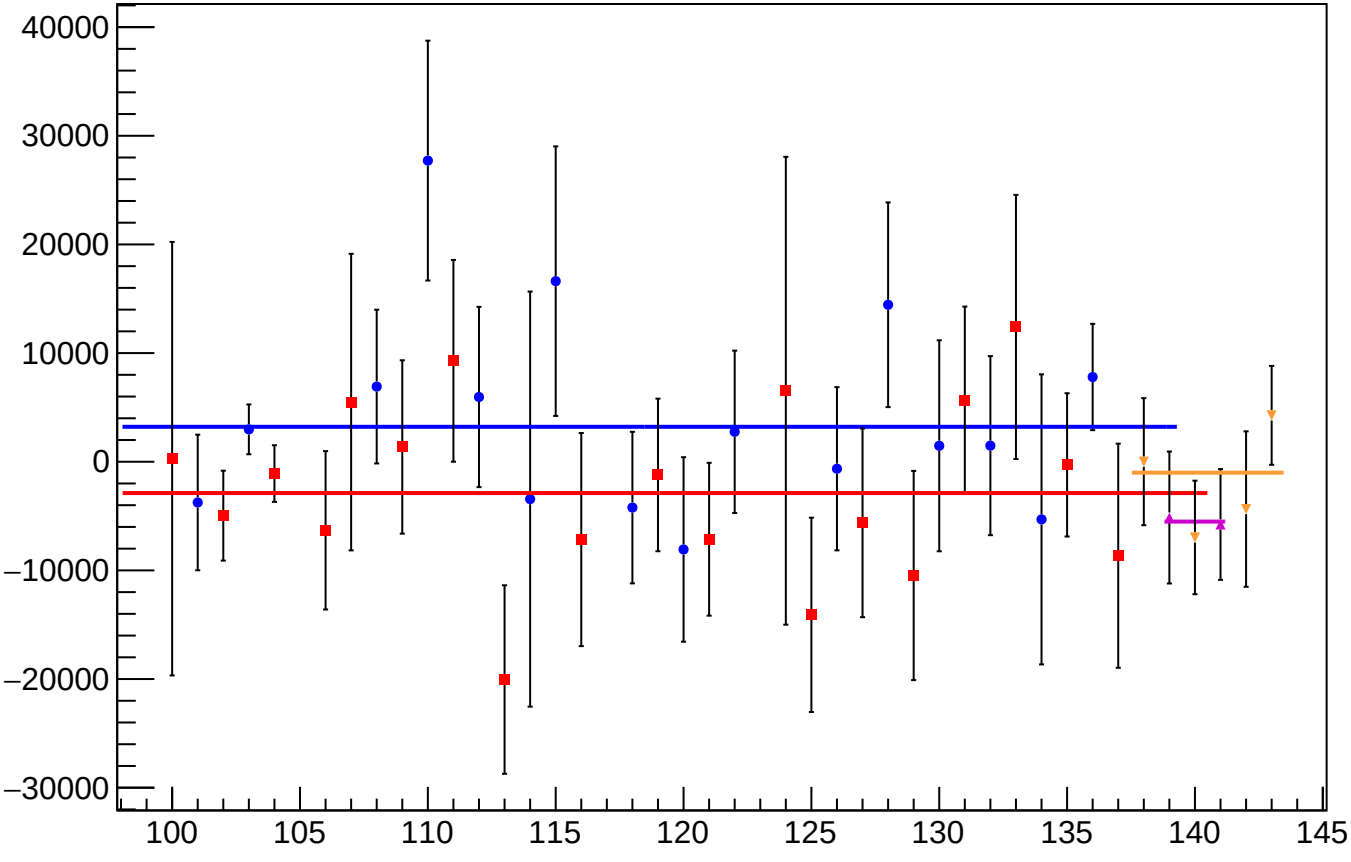
Left In: 4963.773+/-2.684 χ^2/NDF:17881.1/1

+ sign 2527.144+/-0.704 χ^2/NDF: 6793872.9/19

All: 2107.953+/-0.446 χ^2/NDF: 15690865.2/4

- sign 1826.267+/-0.577 χ^2/NDF: 8304143.2/20

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1004.520+/-2734.795 χ^2/NDF:2.9/3

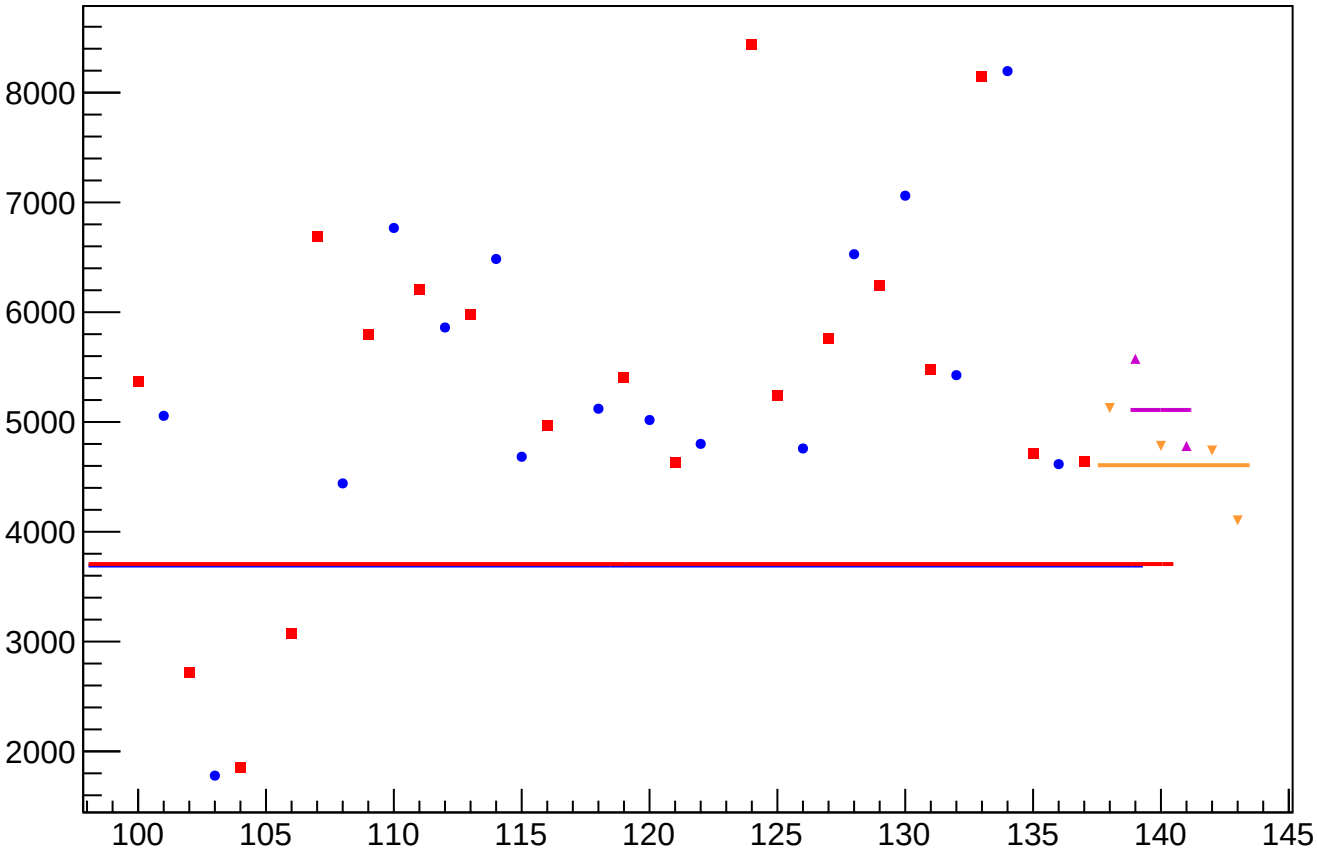
Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: -5508.728+/-3904.735 χ^2/NDF:0.0/1

+ sign 2200.399+/-1341.386 χ^2/NDF: 18.5/19

All: -323.495+/-982.258 χ^2/NDF: 39.9/40

- sign -3241.622+/-1442.349 χ^2/NDF: 13.8/20



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4606.485+/-1.934 χ^2/NDF:43214.6/3

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

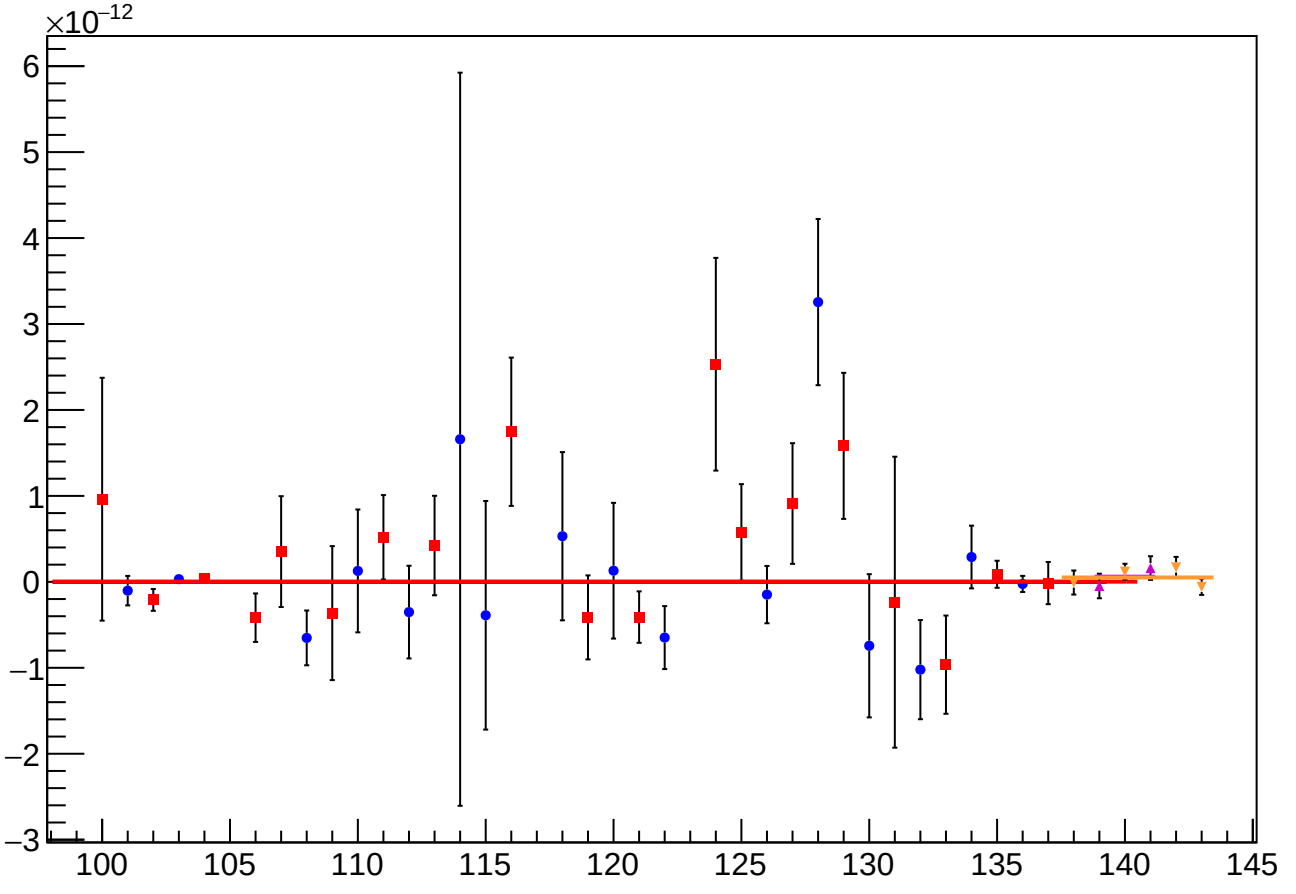
Left In: 5109.757+/-2.761 χ^2/NDF:20051.1/1

+ sign 3912.625+/-0.949 χ^2/NDF: 3098400.5/19

All: 3904.052+/-0.692 χ^2/NDF: 6026948.5/40

- sign 3894.311+/-1.011 χ^2/NDF: 2928373.5/20

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:3.0/3

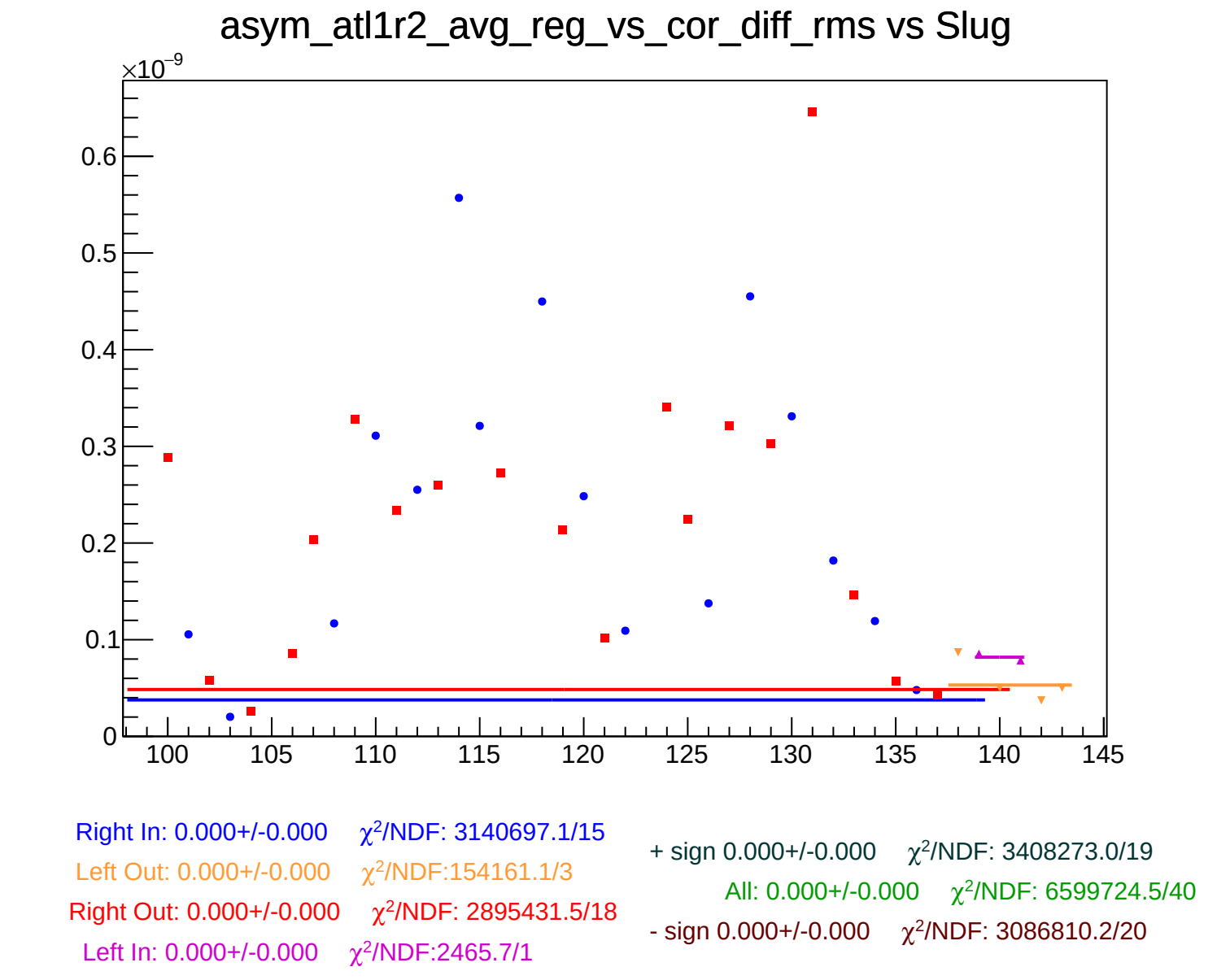
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

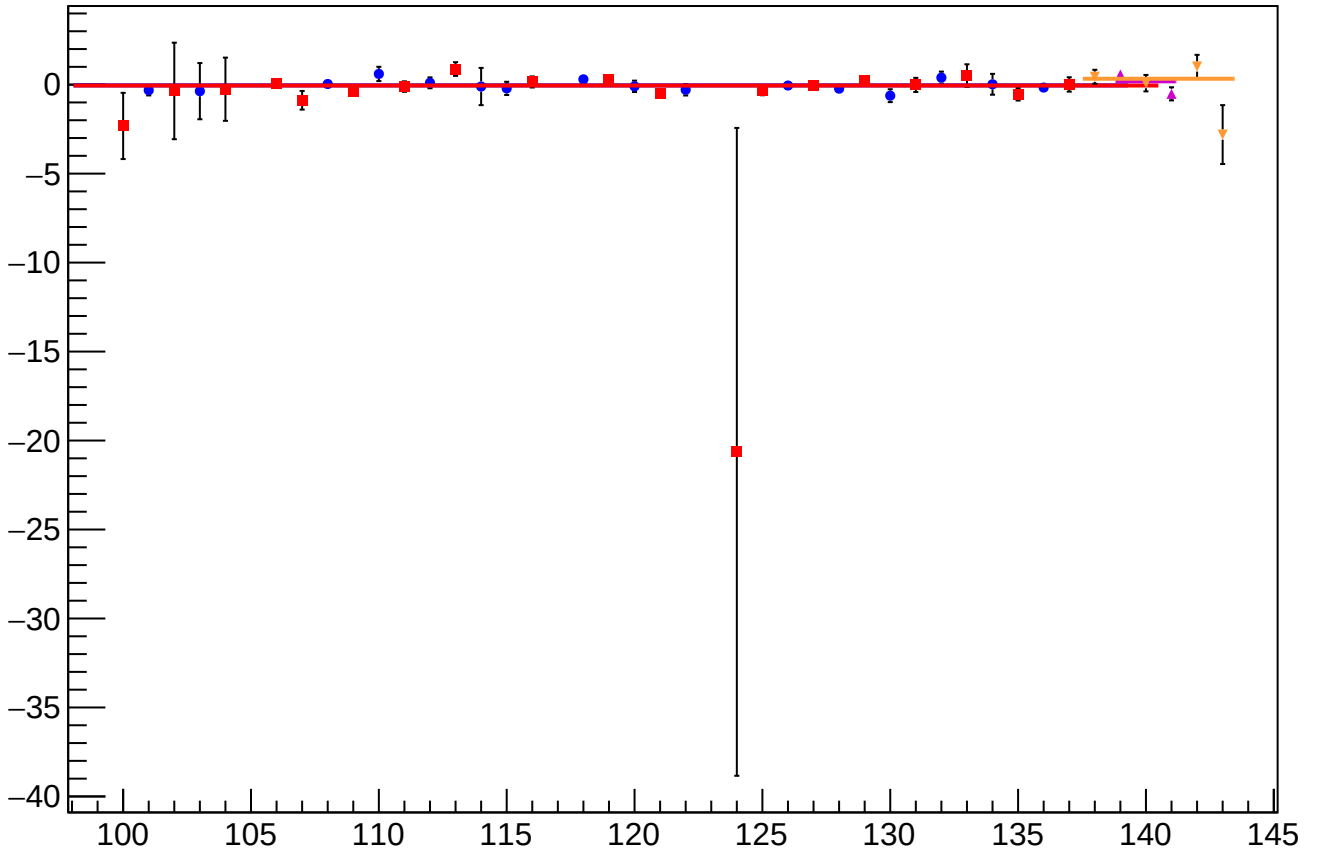
Left In: 0.000+/-0.000 χ^2/NDF:1.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/19

All: 0.000+/-0.000 χ^2/NDF: 58.6/40

- sign 0.000+/-0.000 χ^2/NDF: 29.6/20


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:154161.1/3
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:2465.7/1
+ sign 0.000+/-0.000 χ²/NDF: 3408273.0/19
All: 0.000+/-0.000 χ²/NDF: 6599724.5/40
- sign 0.000+/-0.000 χ²/NDF: 3086810.2/20



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

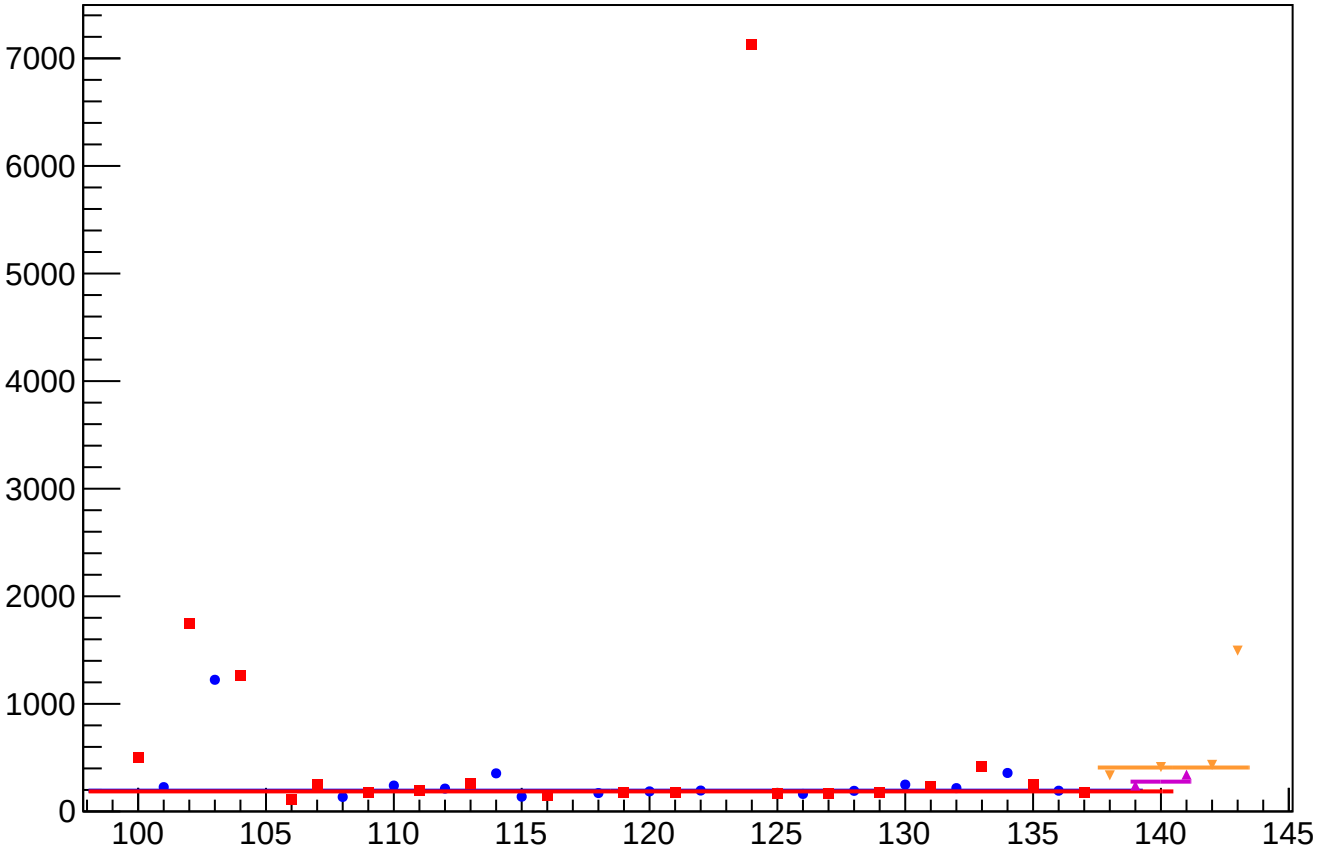
Left In: 0.187+/-0.219 χ^2/NDF:5.6/1

+ sign -0.012+/-0.075 χ^2/NDF: 18.6/19

All: -0.017+/-0.053 χ^2/NDF: 48.2/40

- sign -0.022+/-0.074 χ^2/NDF: 29.7/20

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 408.443+/-0.190 χ^2/NDF:934049.4/3

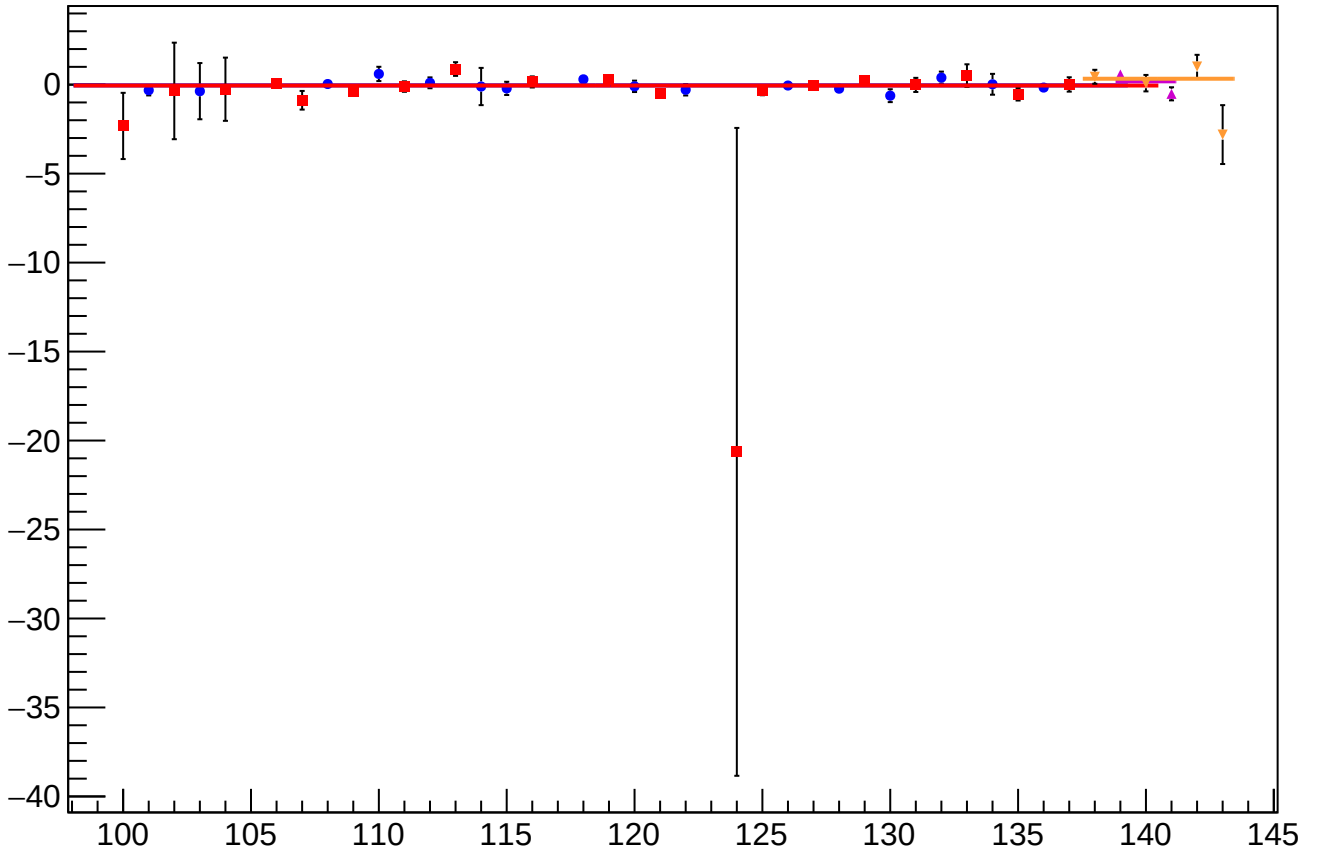
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 276.967+/-0.155 χ^2/NDF:97914.6/1

+ sign 209.881+/-0.053 χ^2/NDF: 3526493.0/19

All: 203.275+/-0.037 χ^2/NDF: 6437703.7/40

- sign 196.766+/-0.052 χ^2/NDF: 2880148.4/20



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

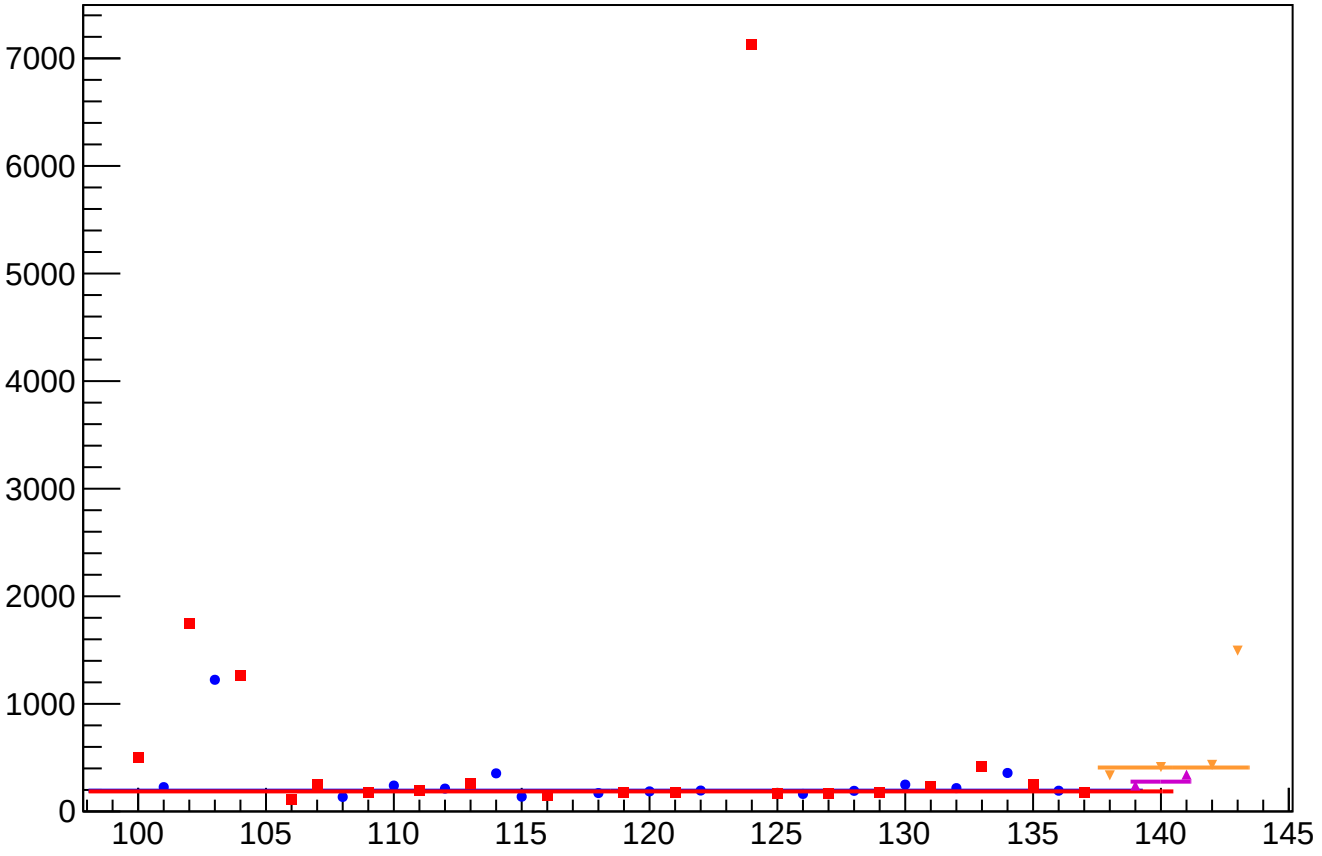
Left In: 0.187+/-0.219 χ^2/NDF:5.6/1

+ sign -0.012+/-0.075 χ^2/NDF: 18.6/19

All: -0.017+/-0.053 χ^2/NDF: 48.2/40

- sign -0.022+/-0.074 χ^2/NDF: 29.7/20

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: 408.443+/-0.190 χ^2/NDF:934049.4/3

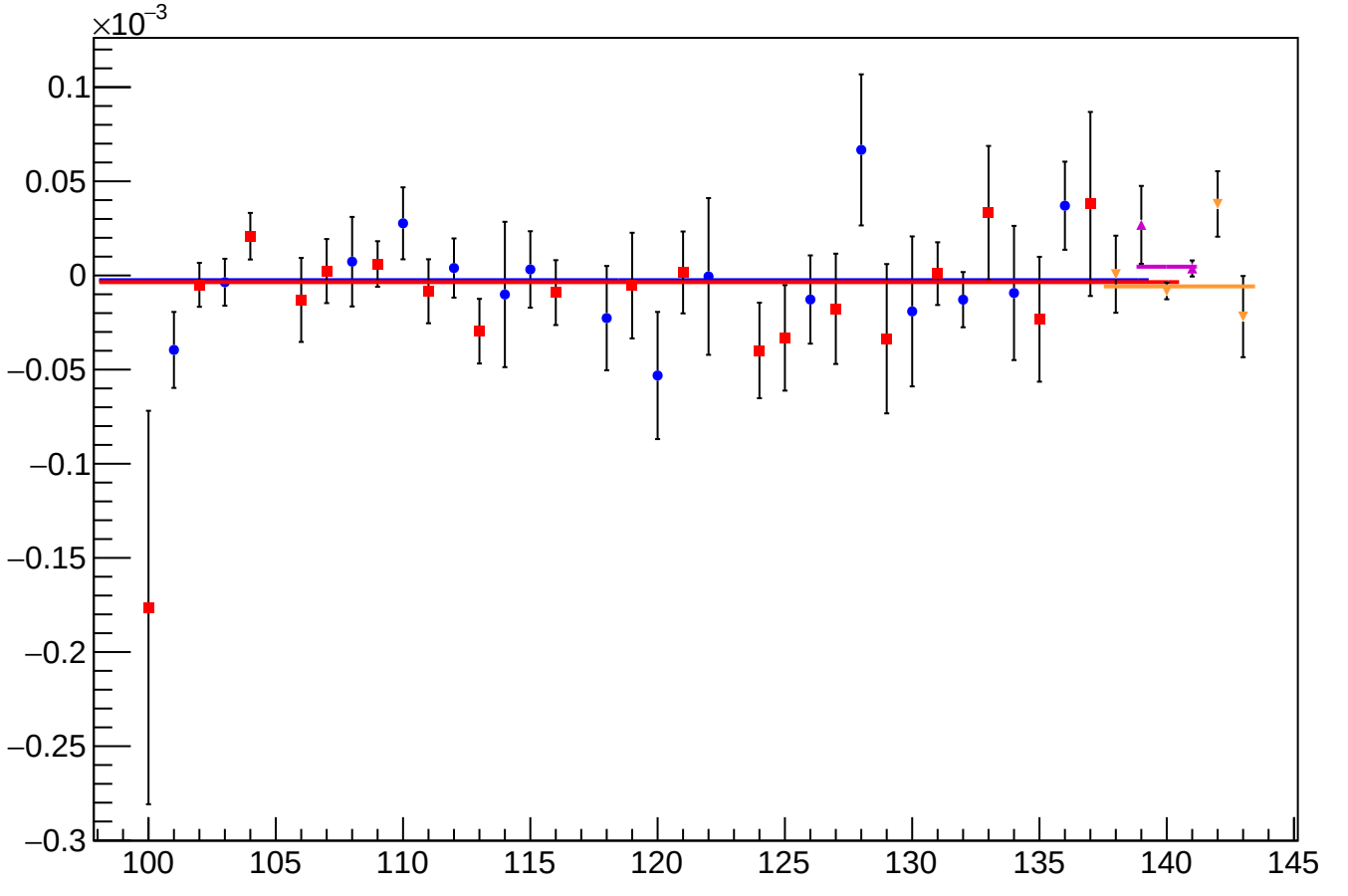
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 276.967+/-0.155 χ^2/NDF:97914.6/1

+ sign 209.881+/-0.053 χ^2/NDF: 3526493.0/19

All: 203.275+/-0.037 χ^2/NDF: 6437703.7/40

- sign 196.766+/-0.052 χ^2/NDF: 2880148.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

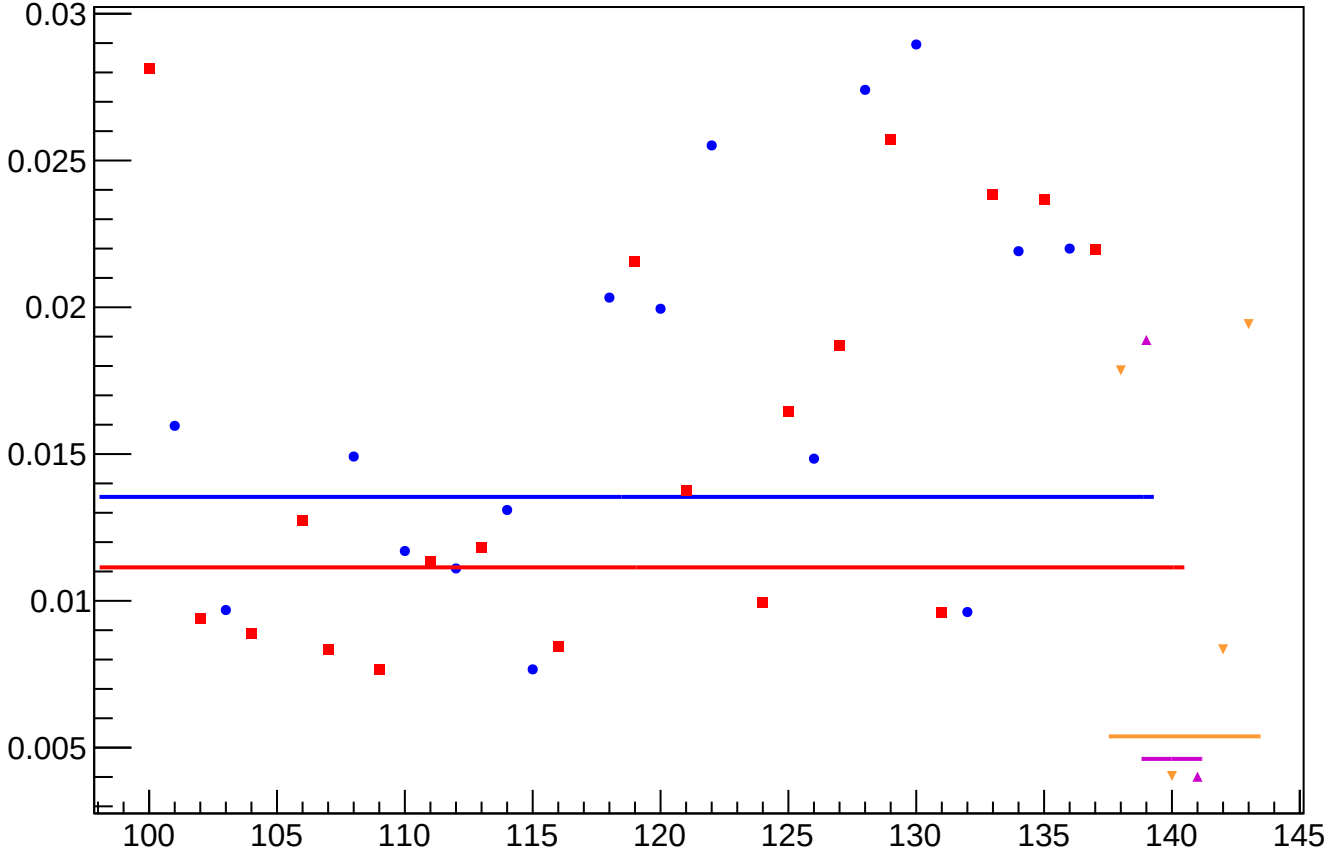
Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/19

All: -0.000+/-0.000 χ^2/NDF: 44.2/40

- sign 0.000+/-0.000 χ^2/NDF: 19.3/20

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1836098.9/3

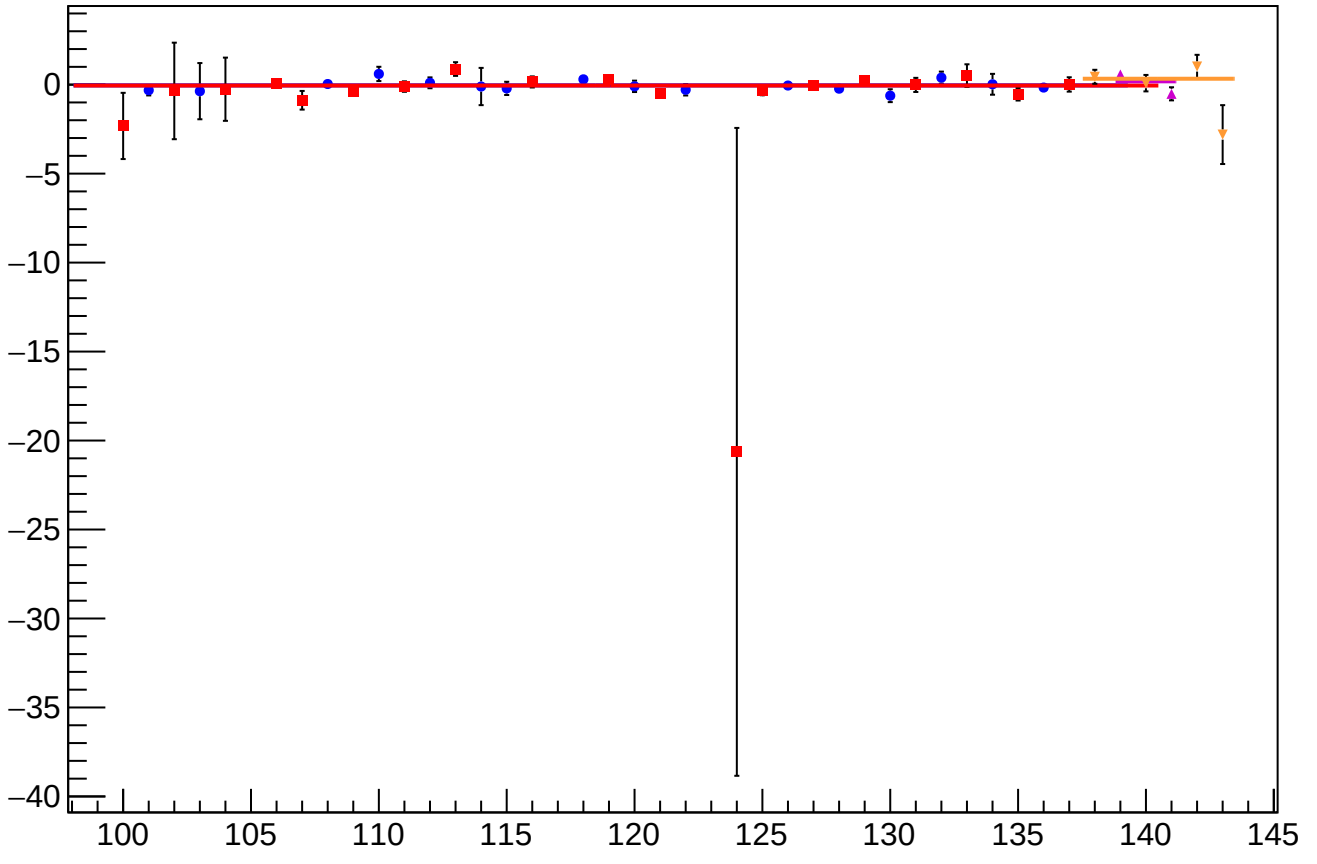
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.005+/-0.000 χ^2/NDF:992797.1/1

+ sign 0.008+/-0.000 χ^2/NDF: 6574271.6/19

All: 0.008+/-0.000 χ^2/NDF: 11776460.3/40

- sign 0.008+/-0.000 χ^2/NDF: 5158082.0/20



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

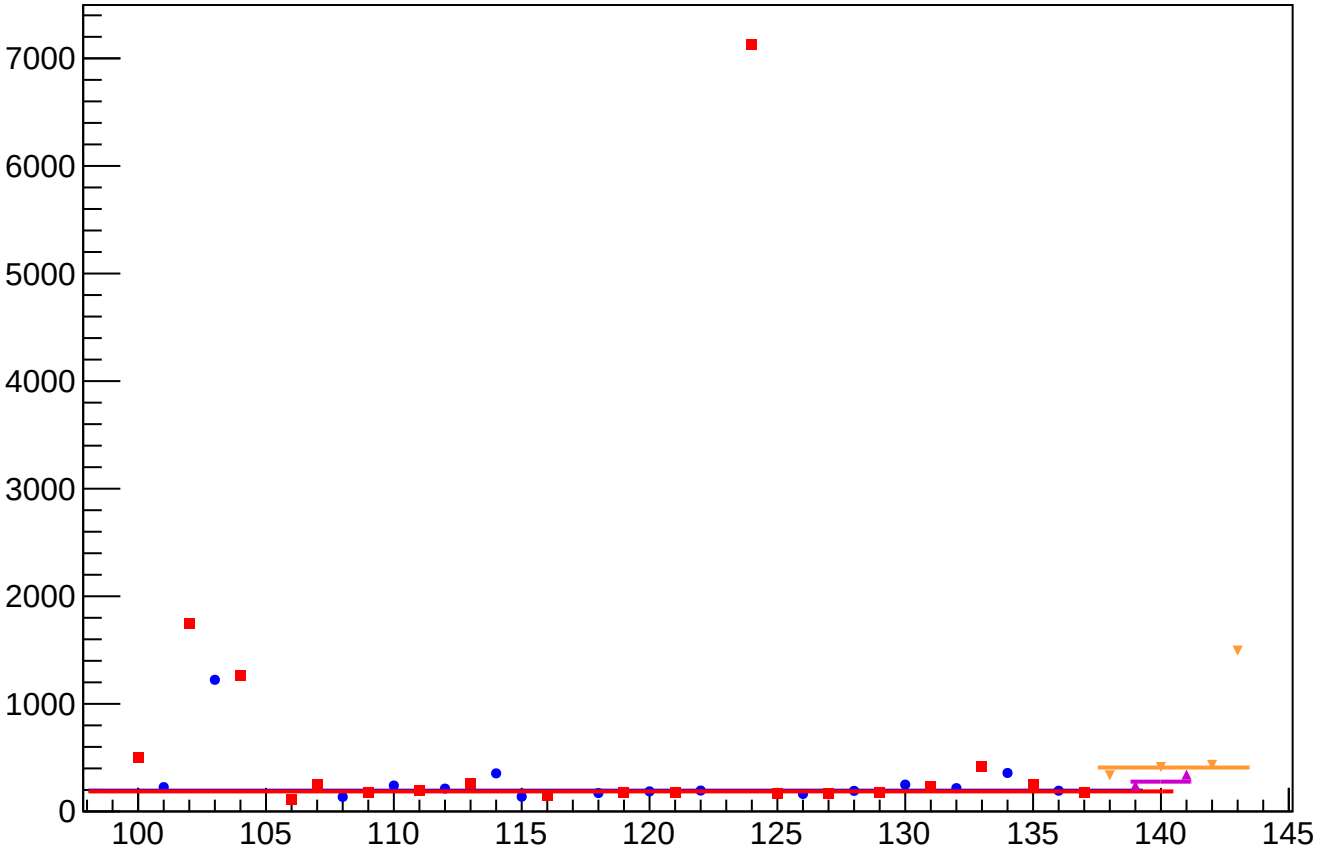
Left In: 0.187+/-0.219 χ^2/NDF:5.6/1

+ sign -0.012+/-0.075 χ^2/NDF: 18.6/19

All: -0.017+/-0.053 χ^2/NDF: 48.2/40

- sign -0.022+/-0.074 χ^2/NDF: 29.7/20

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: 408.447+/-0.190 χ^2/NDF:934038.9/3

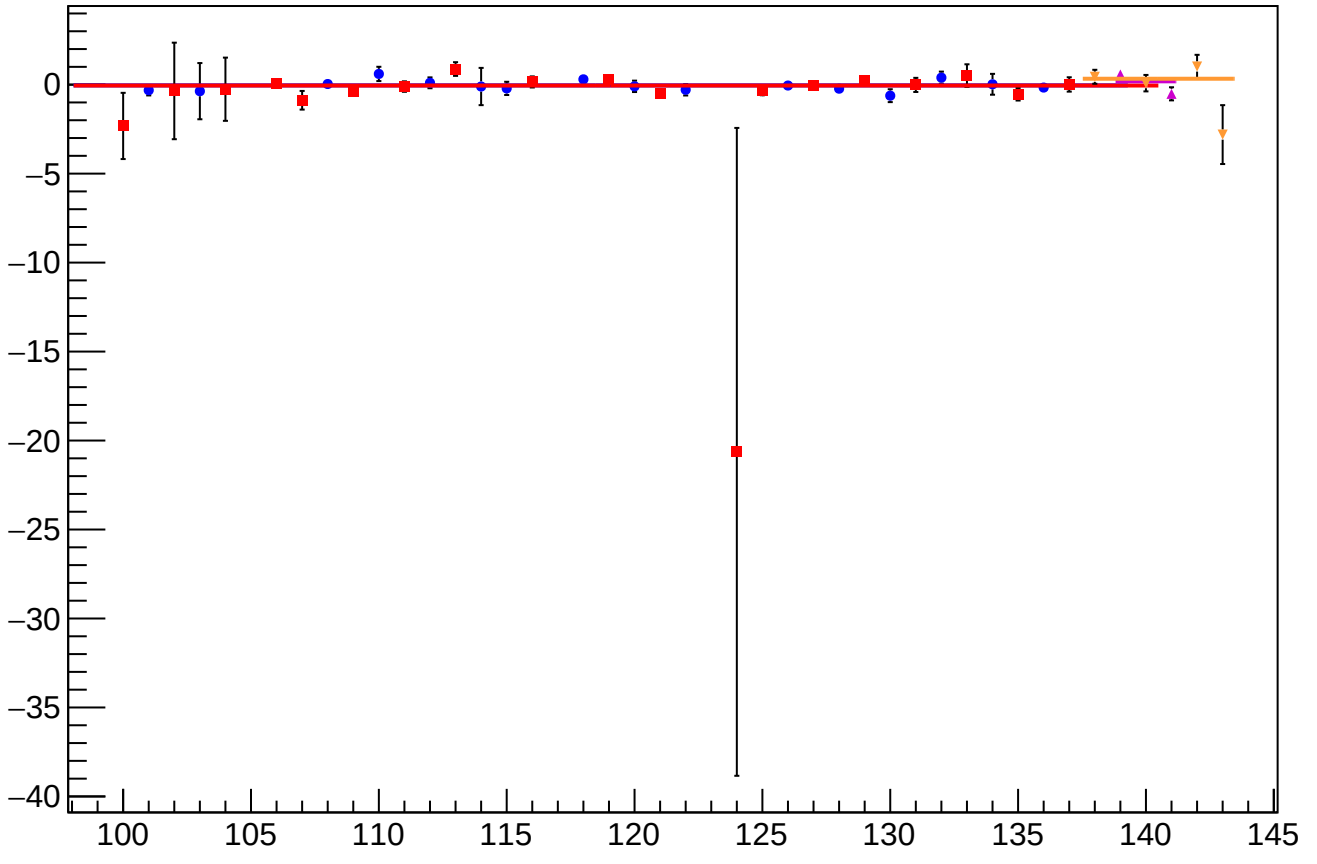
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 276.971+/-0.155 χ^2/NDF:97901.9/1

+ sign 209.879+/-0.053 χ^2/NDF: 3526515.0/19

All: 203.273+/-0.037 χ^2/NDF: 6437779.6/40

- sign 196.764+/-0.052 χ^2/NDF: 2880200.0/20



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.332+/-0.269 χ^2/NDF:5.1/3

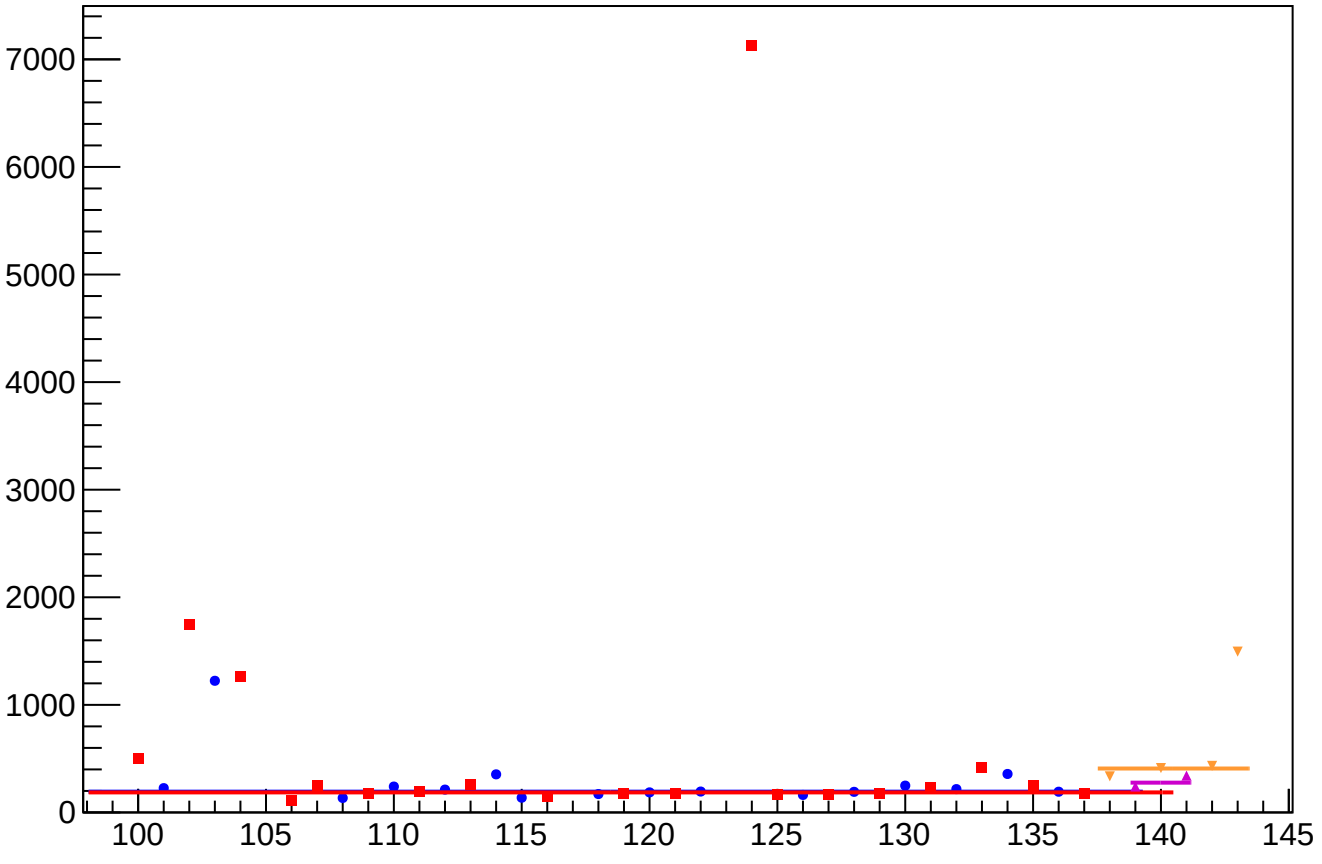
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.187+/-0.219 χ^2/NDF:5.6/1

+ sign -0.012+/-0.075 χ^2/NDF: 18.6/19

All: -0.017+/-0.053 χ^2/NDF: 48.2/40

- sign -0.022+/-0.074 χ^2/NDF: 29.7/20



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 408.447+/-0.190 χ^2/NDF:934038.9/3

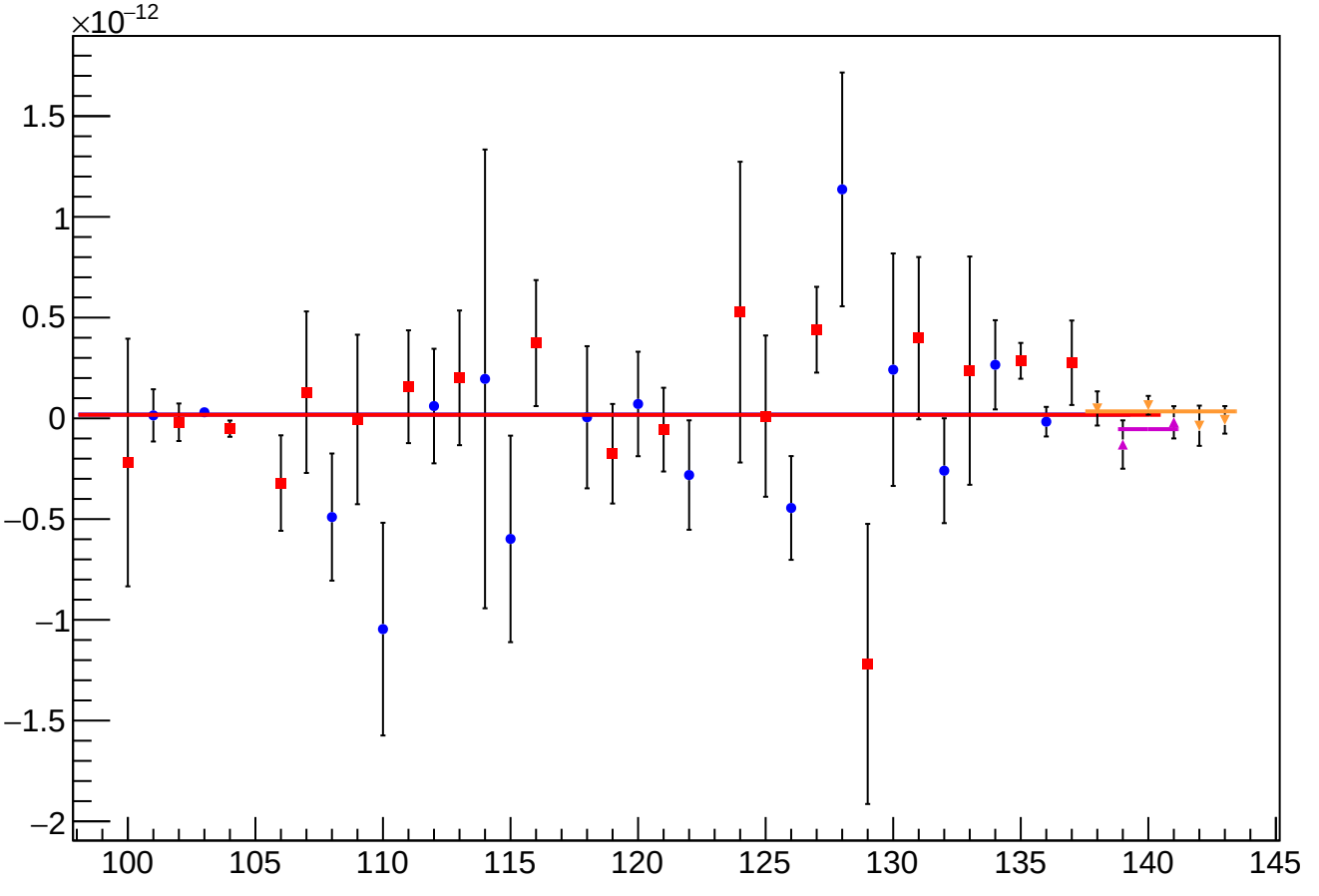
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 276.971+/-0.155 χ^2/NDF:97901.9/1

+ sign 209.879+/-0.053 χ^2/NDF: 3526515.0/19

All: 203.273+/-0.037 χ^2/NDF: 6437779.6/40

- sign 196.764+/-0.052 χ^2/NDF: 2880200.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/3

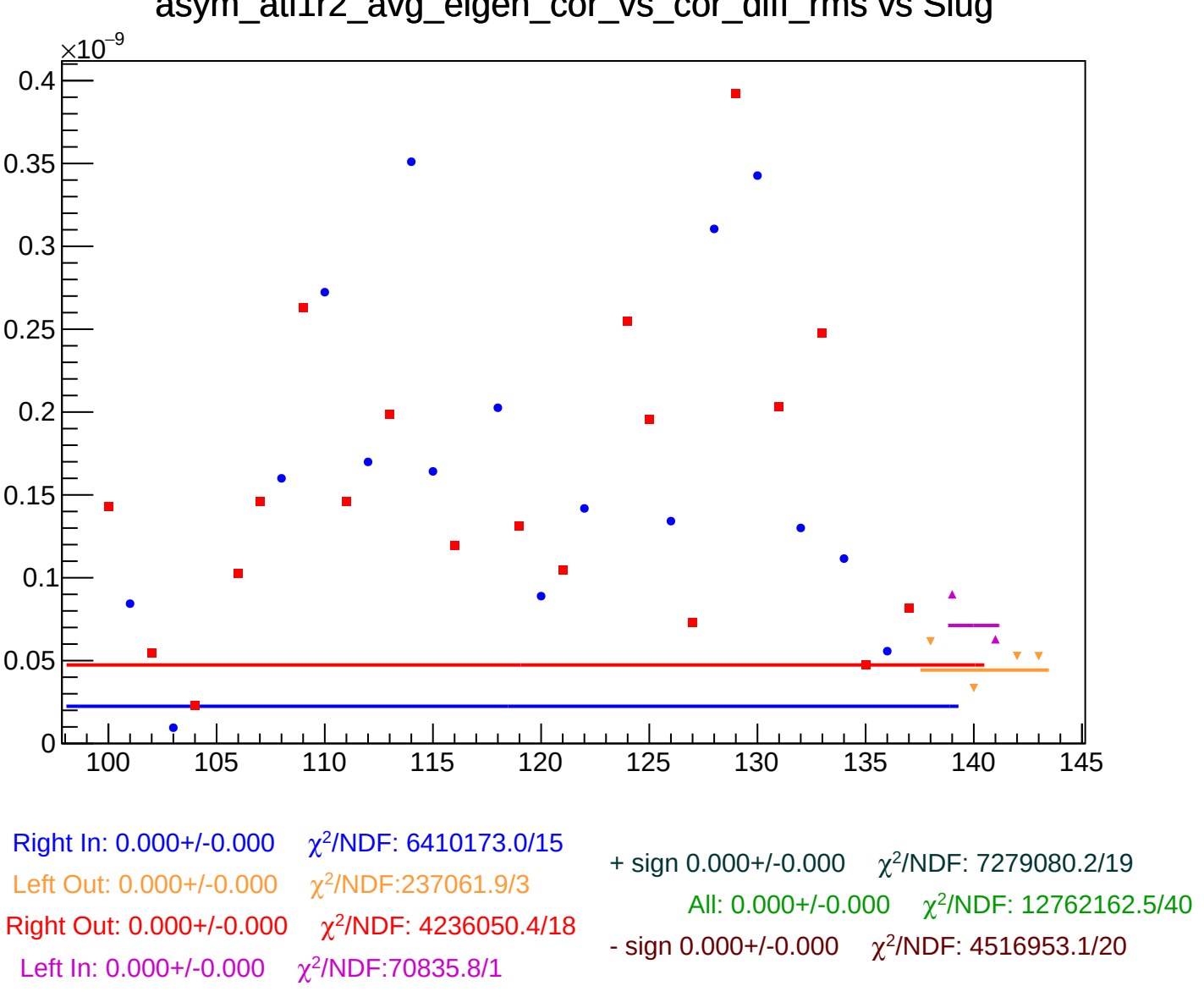
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

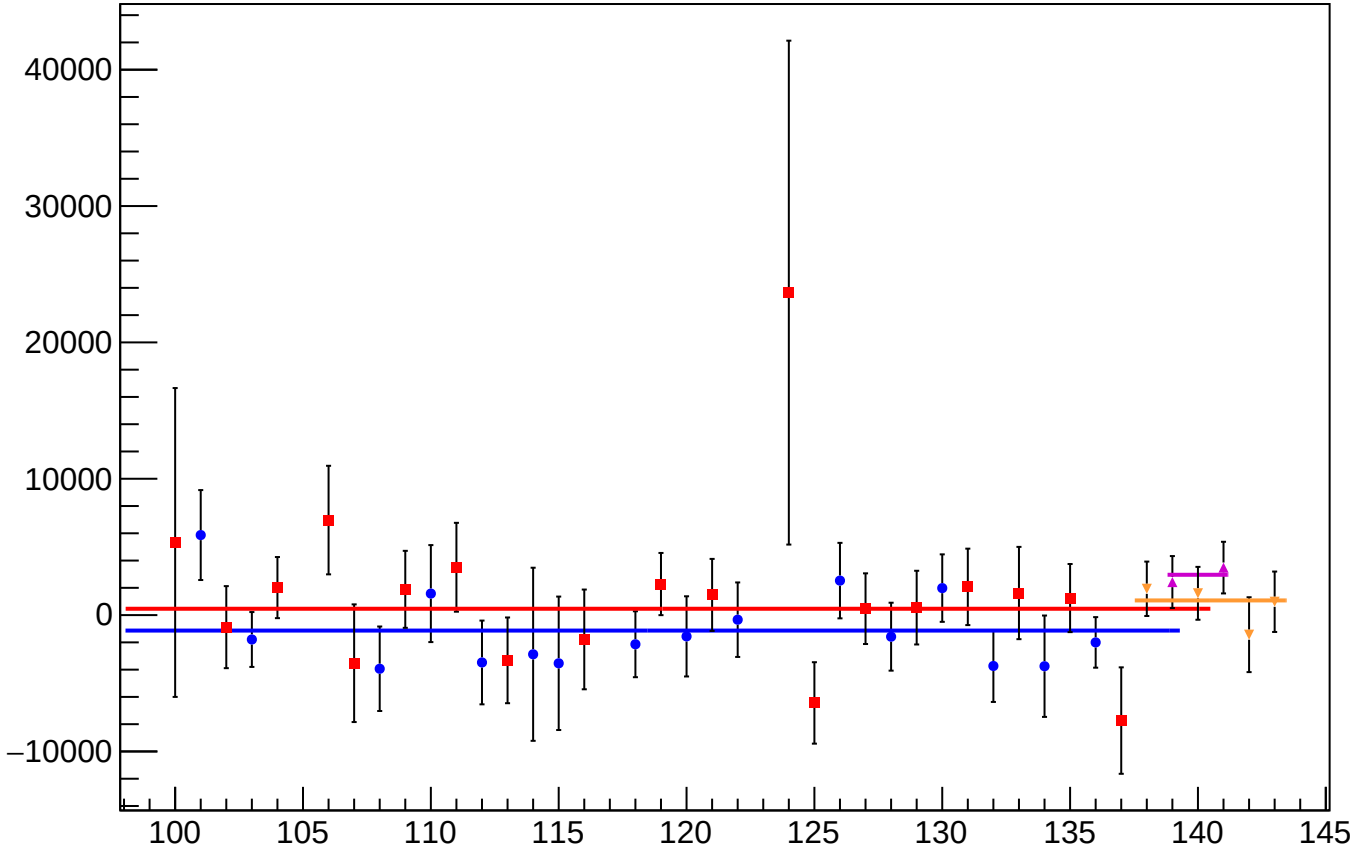
+ sign 0.000+/-0.000 χ^2/NDF: 20.9/19

All: 0.000+/-0.000 χ^2/NDF: 49.9/40

- sign 0.000+/-0.000 χ^2/NDF: 28.7/20


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:237061.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:70835.8/1
+ sign 0.000+/-0.000 χ²/NDF: 7279080.2/19
All: 0.000+/-0.000 χ²/NDF: 12762162.5/40
- sign 0.000+/-0.000 χ²/NDF: 4516953.1/20

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1076.418+/-1082.242 χ^2/NDF:1.1/3

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

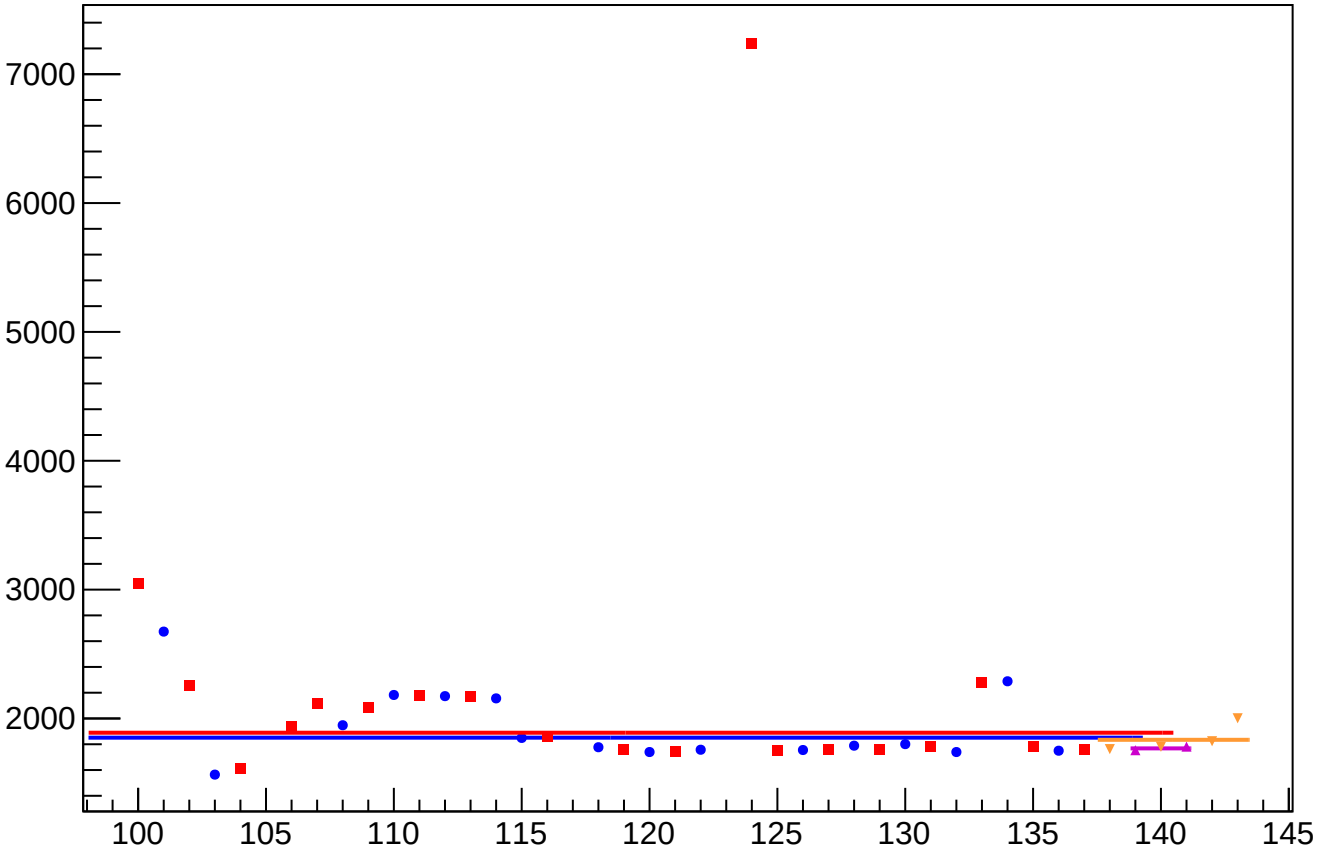
Left In: 2957.030+/-1343.467 χ^2/NDF:0.2/1

+ sign -490.637+/-584.071 χ^2/NDF: 16.3/19

All: 206.525+/-426.708 χ^2/NDF: 42.2/40

- sign 1004.586+/-624.909 χ^2/NDF: 22.9/20

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

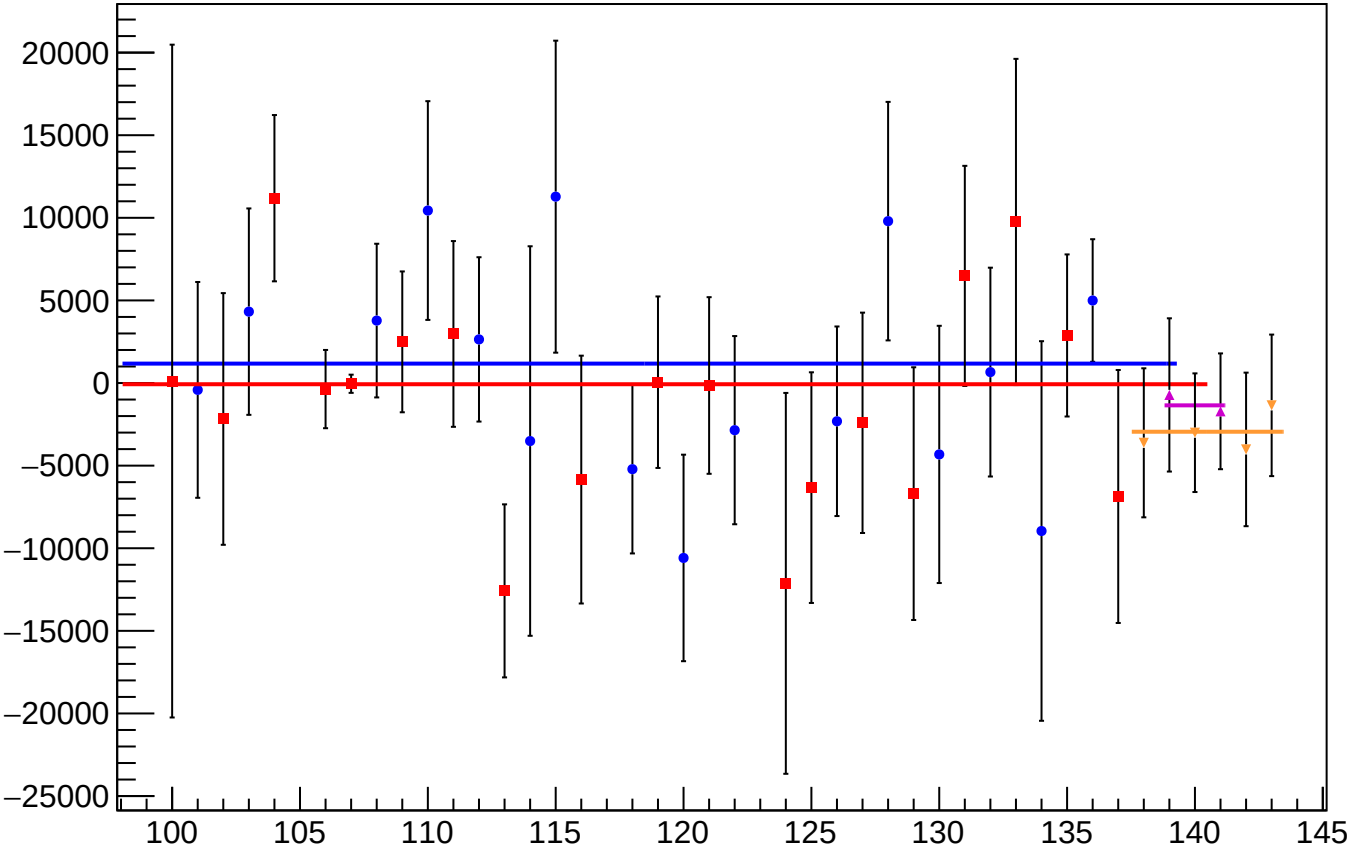
Left In: 1767.901+/-0.950 χ^2/NDF:213.6/1

+ sign 1846.280+/-0.413 χ^2/NDF: 275908.9/19

All: 1854.235+/-0.301 χ^2/NDF: 648677.5/40

- sign 1863.308+/-0.441 χ^2/NDF: 371974.5/20

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -2948.160+/-2096.491 χ^2/NDF:0.2/3

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

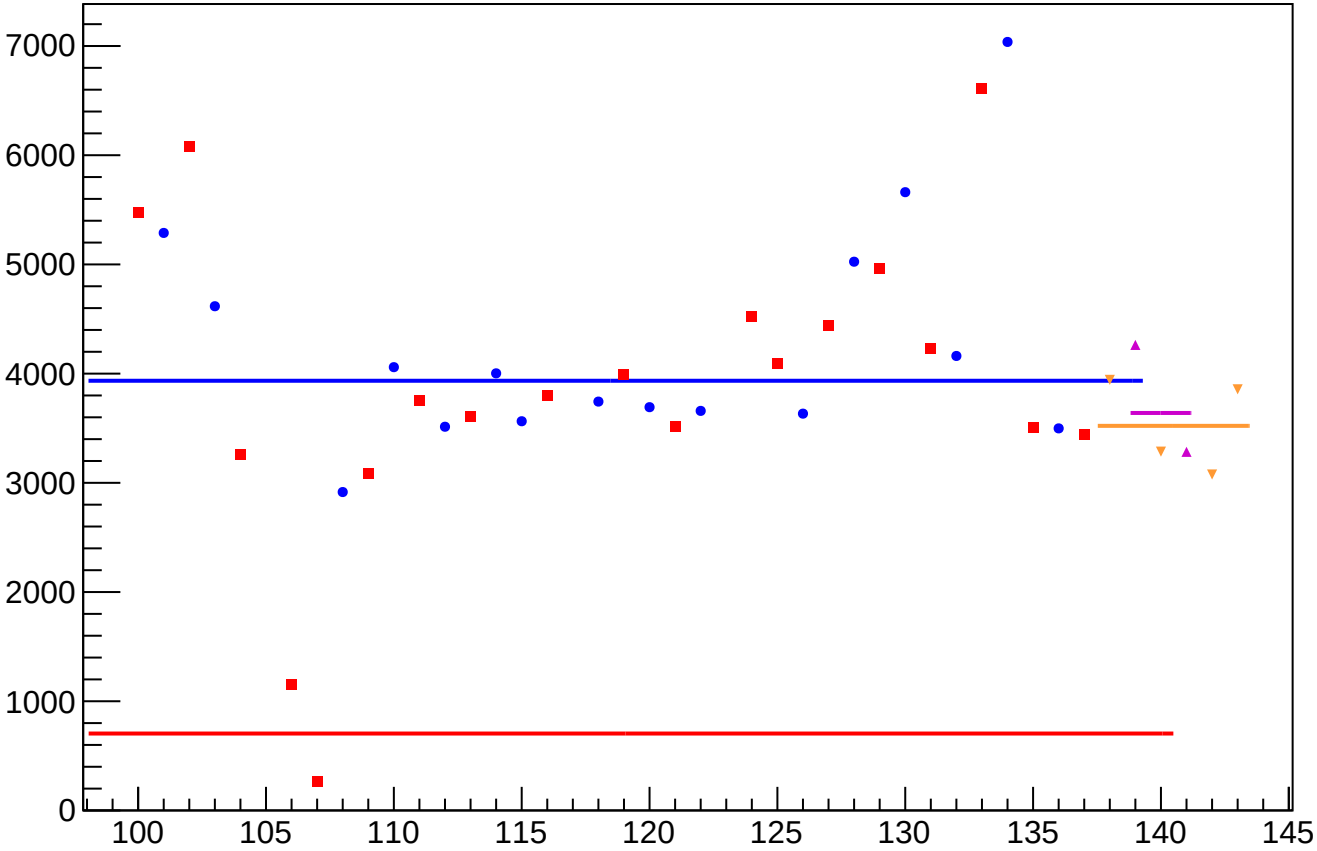
Left In: -1351.260+/-2796.007 χ^2/NDF:0.0/1

+ sign -223.382+/-1221.054 χ^2/NDF: 16.5/19

All: -128.876+/-460.822 χ^2/NDF: 34.7/40

- sign -113.180+/-497.620 χ^2/NDF: 18.2/20

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3521.790+/-1.482 χ^2/NDF:56665.5/3

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

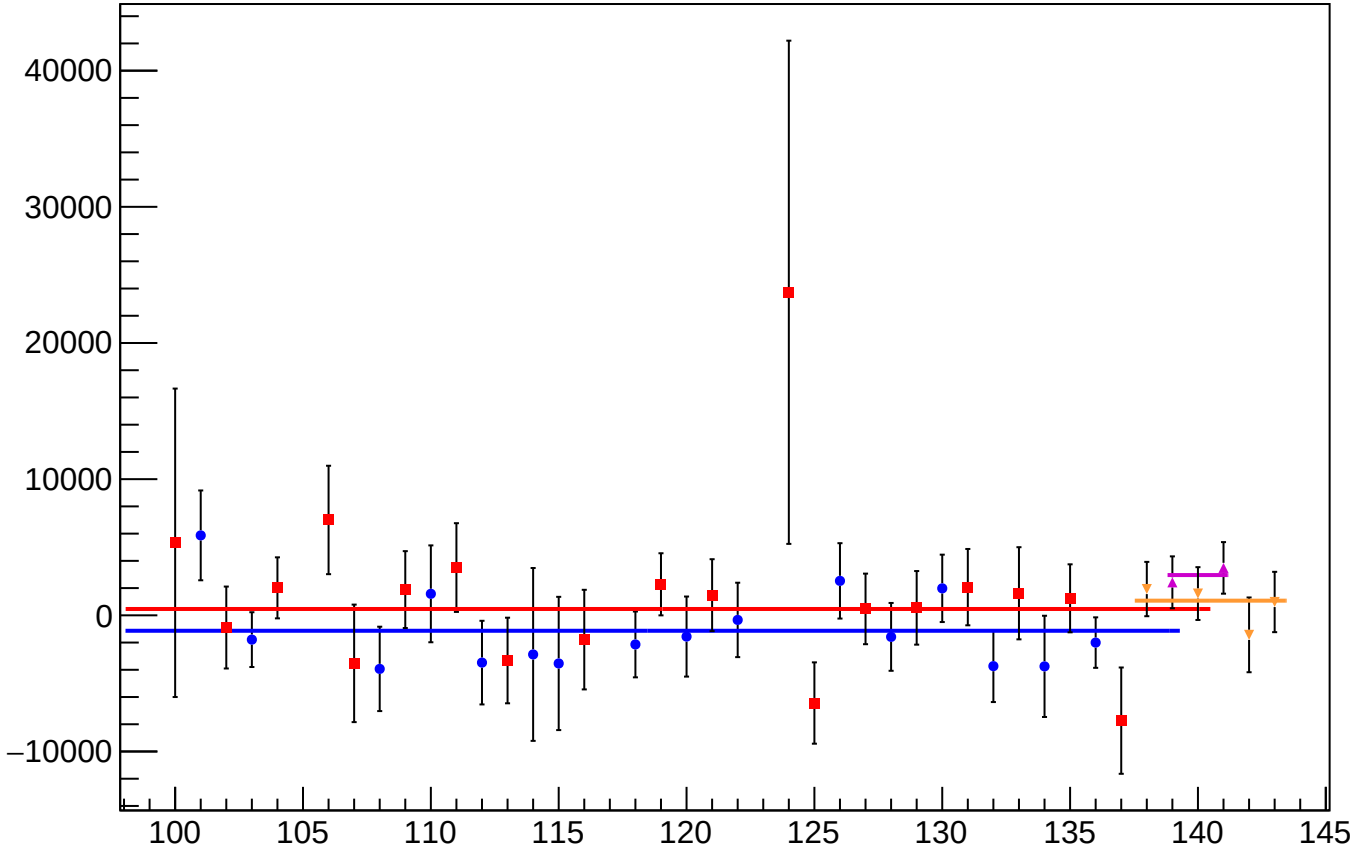
Left In: 3639.801+/-1.977 χ^2/NDF:56738.4/1

+ sign 3794.644+/-0.863 χ^2/NDF: 668059.3/19

All: 1224.262+/-0.326 χ^2/NDF: 23812423.0/4

- sign 797.365+/-0.352 χ^2/NDF: 12809968.9/20

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1076.593+/-1082.242 χ^2/NDF:1.1/3

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

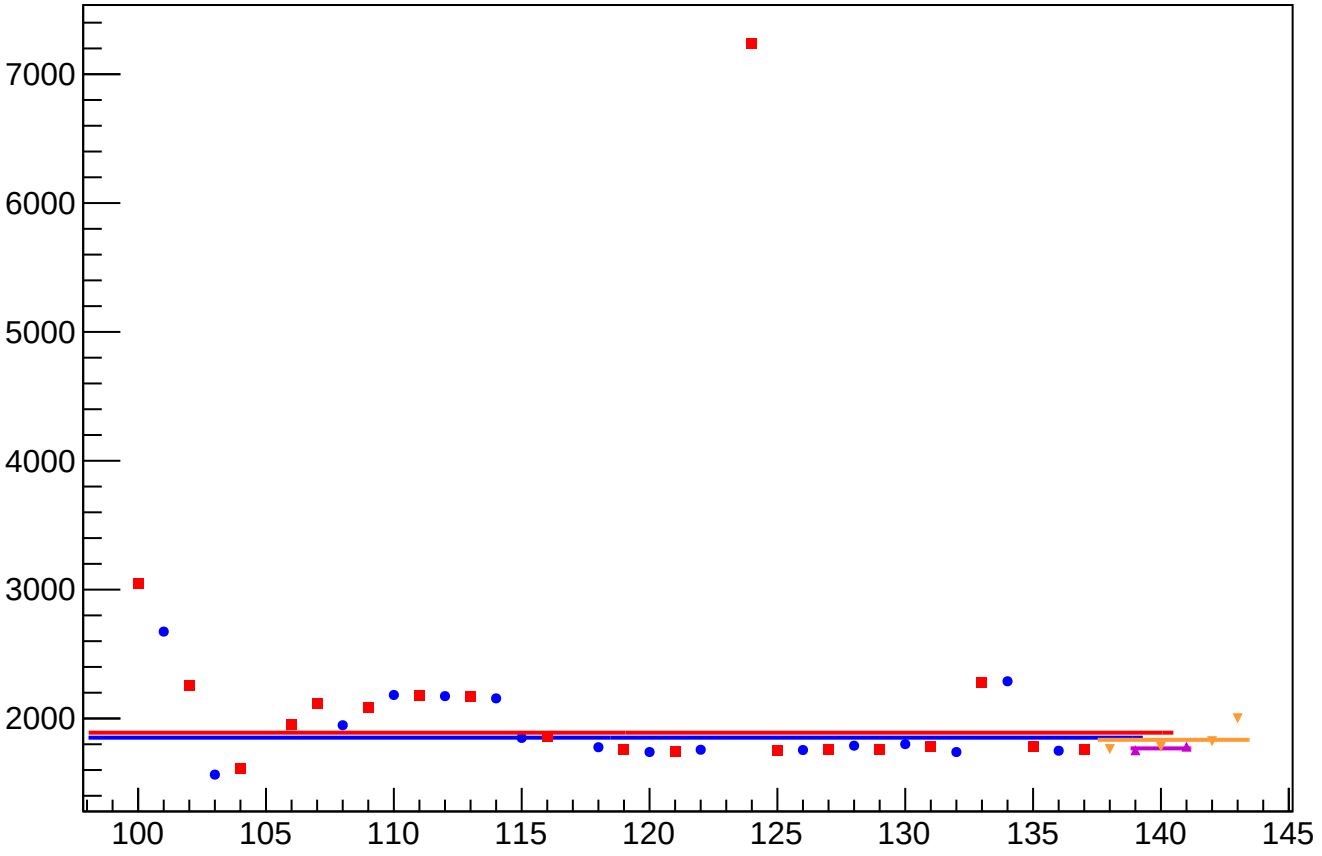
Left In: 2956.911+/-1343.467 χ^2/NDF:0.2/1

+ sign -490.283+/-584.071 χ^2/NDF: 16.3/19

All: 206.840+/-426.709 χ^2/NDF: 42.2/40

- sign 1004.860+/-624.911 χ^2/NDF: 22.9/20

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

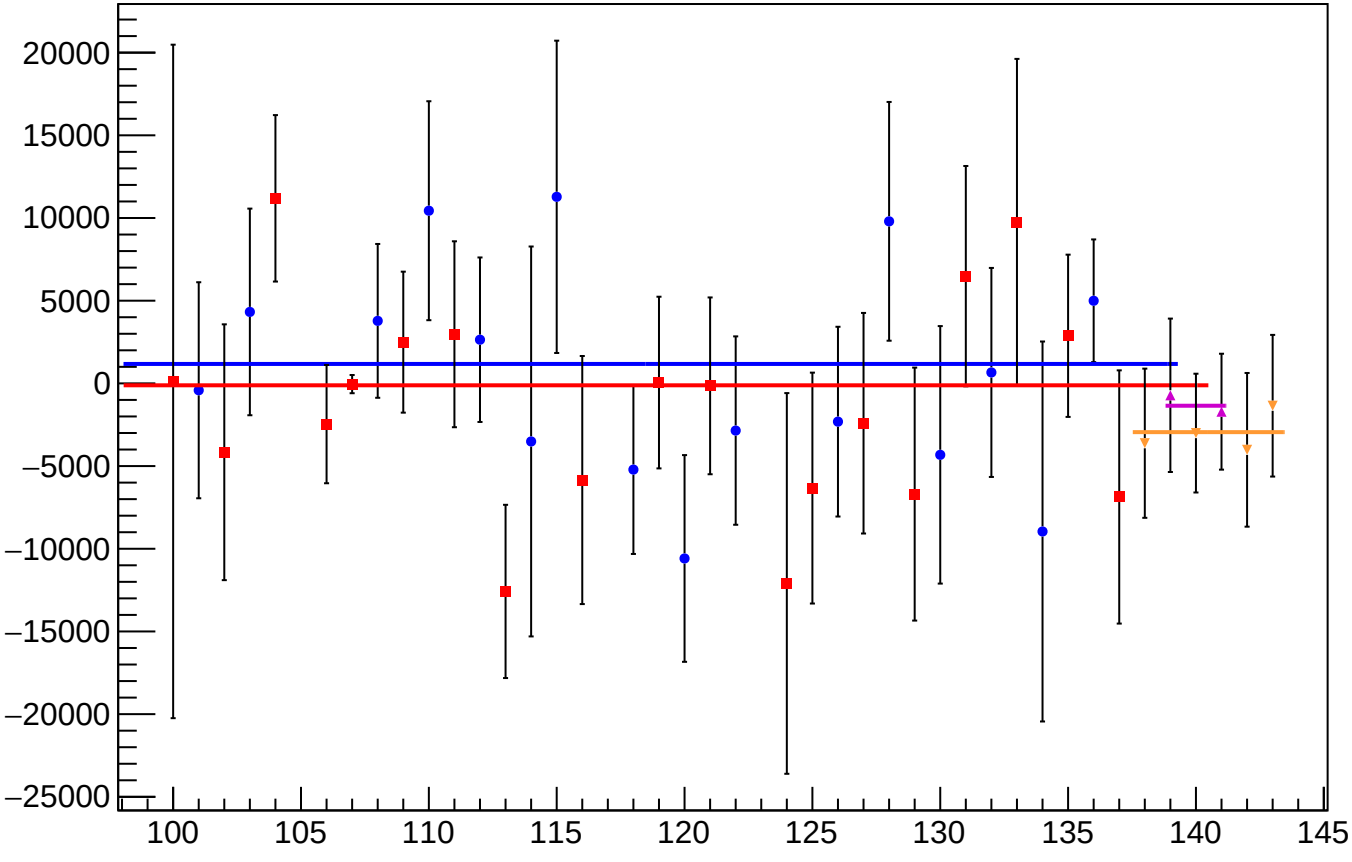
Left In: 1767.901+/-0.950 χ^2/NDF:213.6/1

\+ sign 1846.281+/-0.413 χ^2/NDF: 275908.1/19

All: 1854.397+/-0.301 χ^2/NDF: 649025.0/40

\- sign 1863.658+/-0.441 χ^2/NDF: 372290.0/20

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2947.953+/-2096.481 χ^2/NDF:0.2/3

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

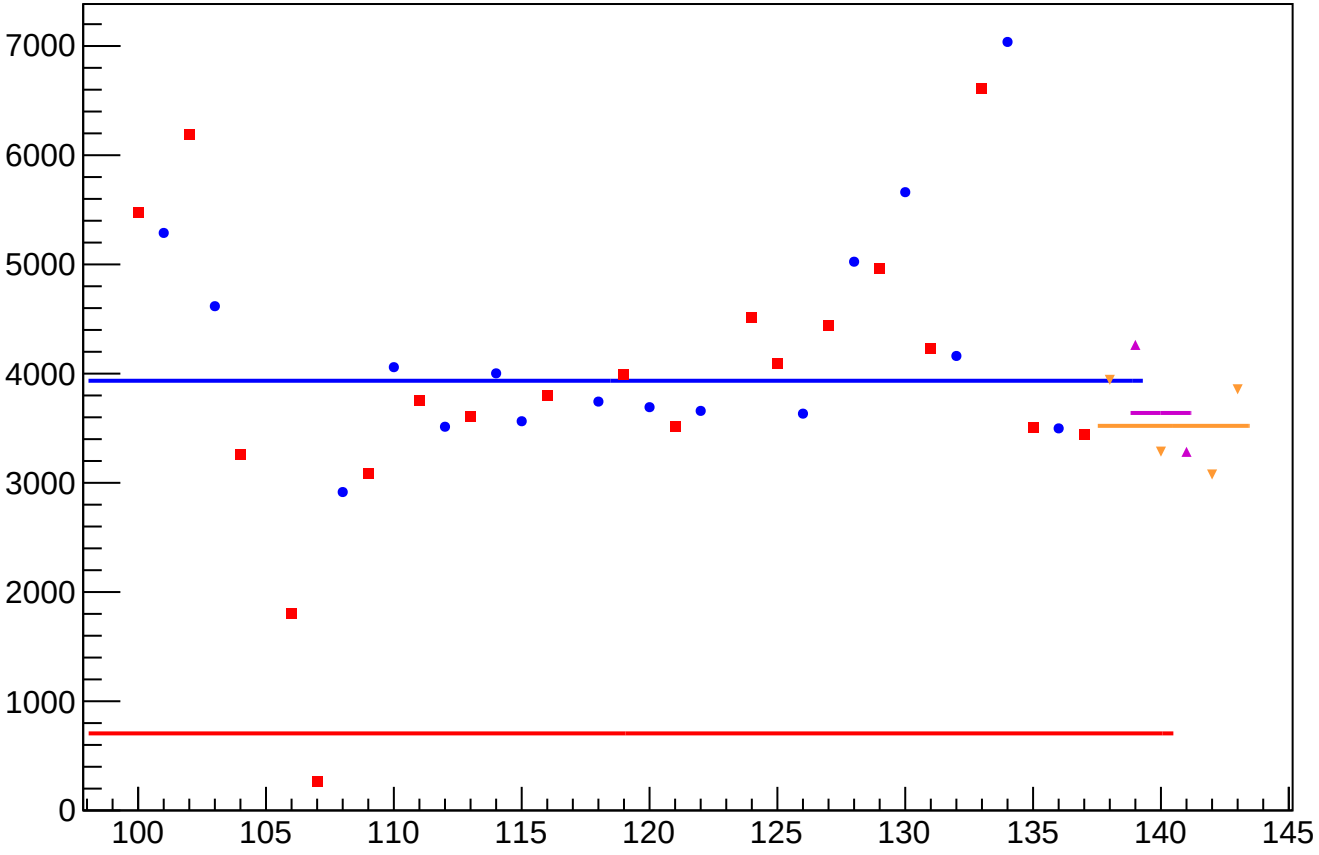
Left In: -1351.369+/-2796.002 χ^2/NDF:0.0/1

+ sign -223.342+/-1221.055 χ^2/NDF: 16.5/19

All: -165.837+/-465.796 χ^2/NDF: 35.3/40

- sign -156.044+/-503.901 χ^2/NDF: 18.8/20

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3521.771+/-1.482 χ^2/NDF:56669.1/3

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

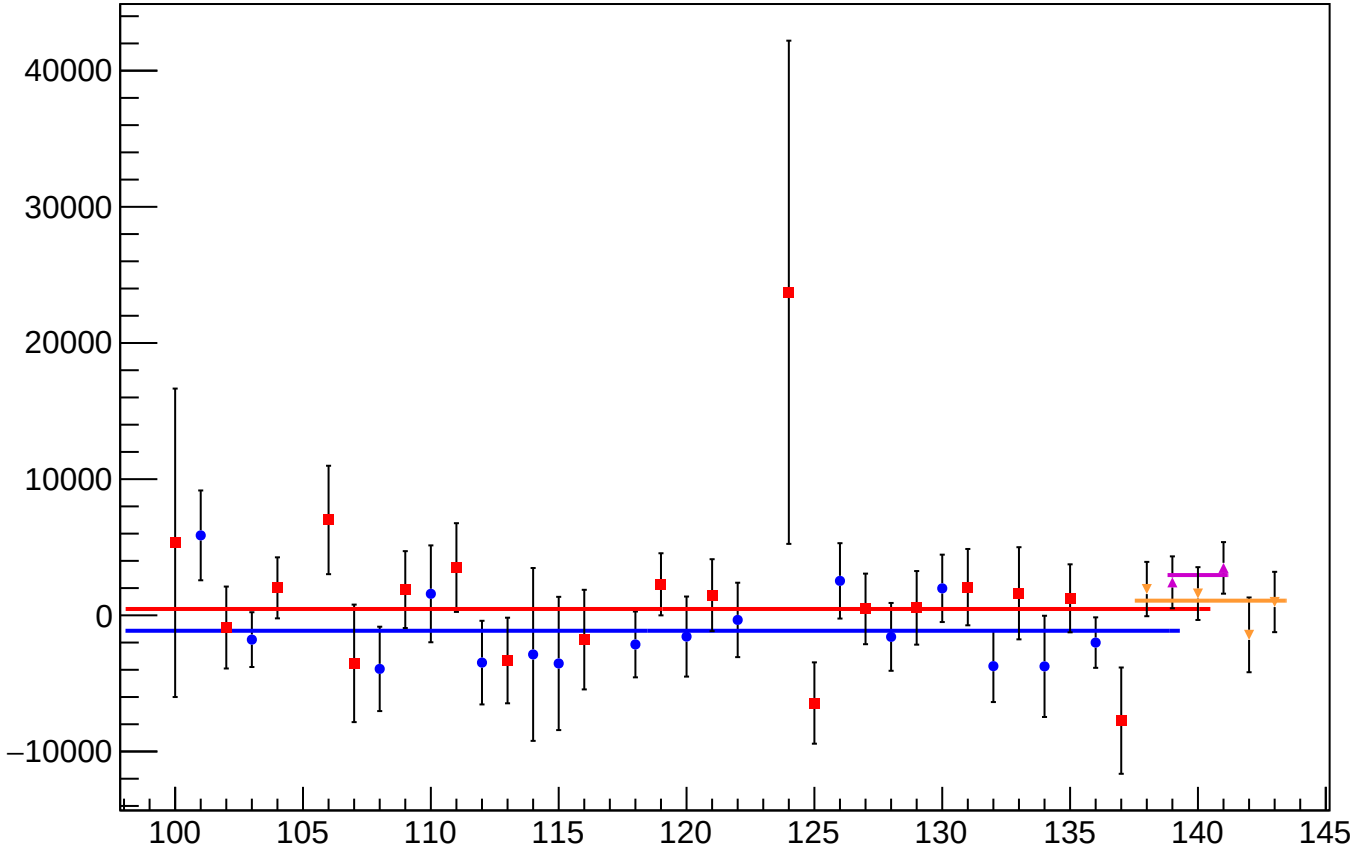
Left In: 3639.795+/-1.977 χ^2/NDF:56738.3/1

+ sign 3794.642+/-0.863 χ^2/NDF: 668094.2/19

All: 1236.567+/-0.329 χ^2/NDF: 23875739.2/4

- sign 800.922+/-0.356 χ^2/NDF: 12934964.1/20

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1076.593+/-1082.242 χ^2/NDF:1.1/3

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

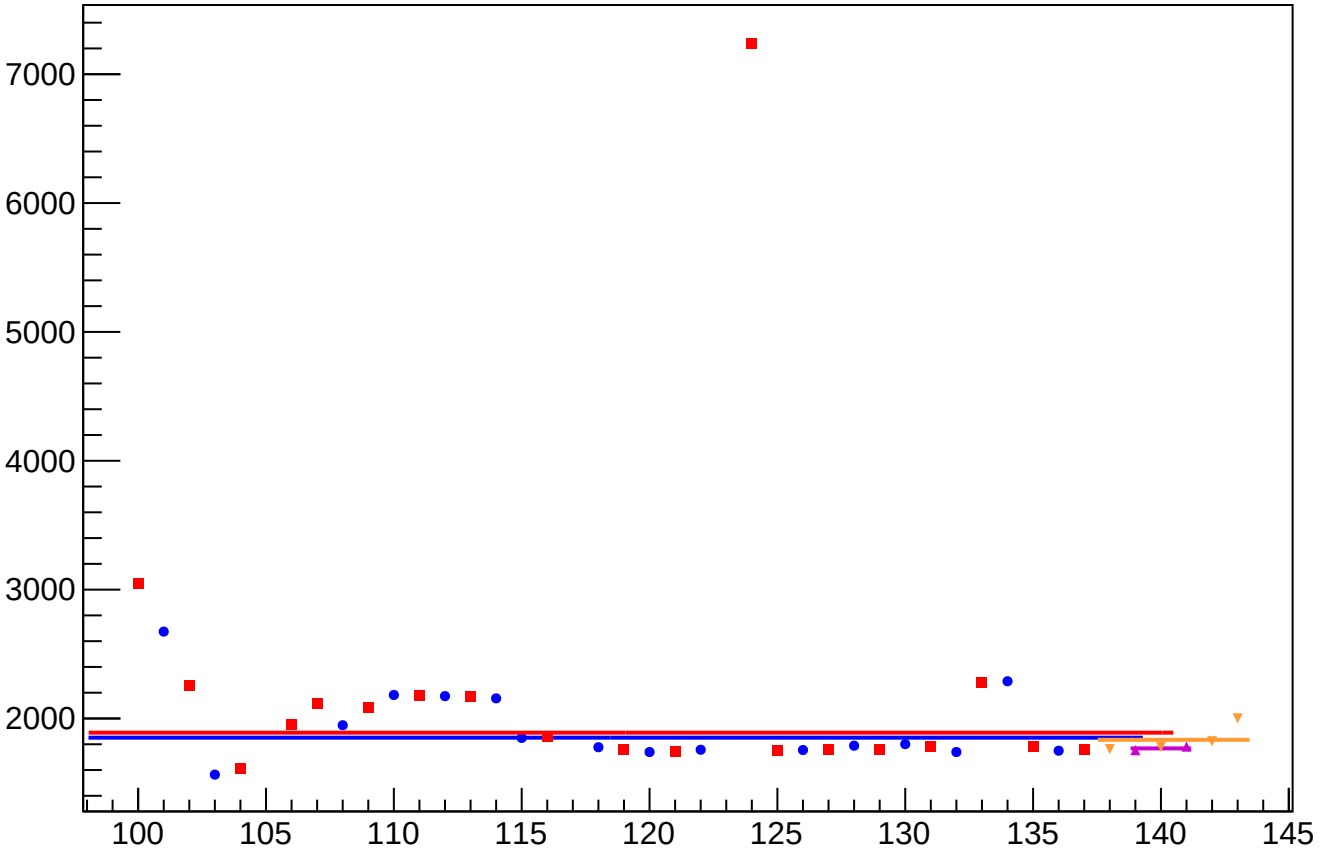
Left In: 2956.911+/-1343.467 χ^2/NDF:0.2/1

+ sign -490.283+/-584.071 χ^2/NDF: 16.3/19

All: 206.840+/-426.709 χ^2/NDF: 42.2/40

- sign 1004.860+/-624.911 χ^2/NDF: 22.9/20

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

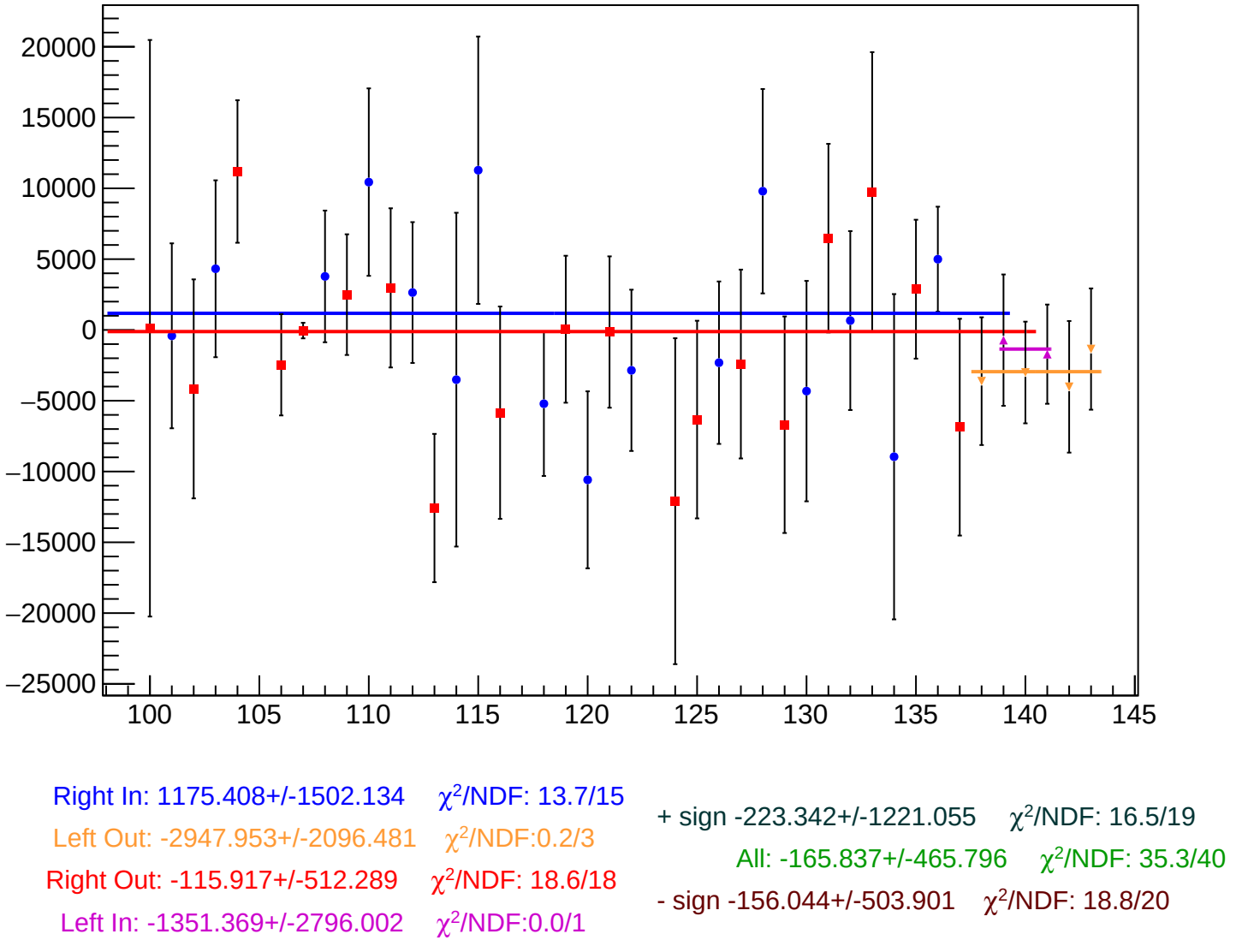
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1767.901+/-0.950 χ^2/NDF:213.6/1

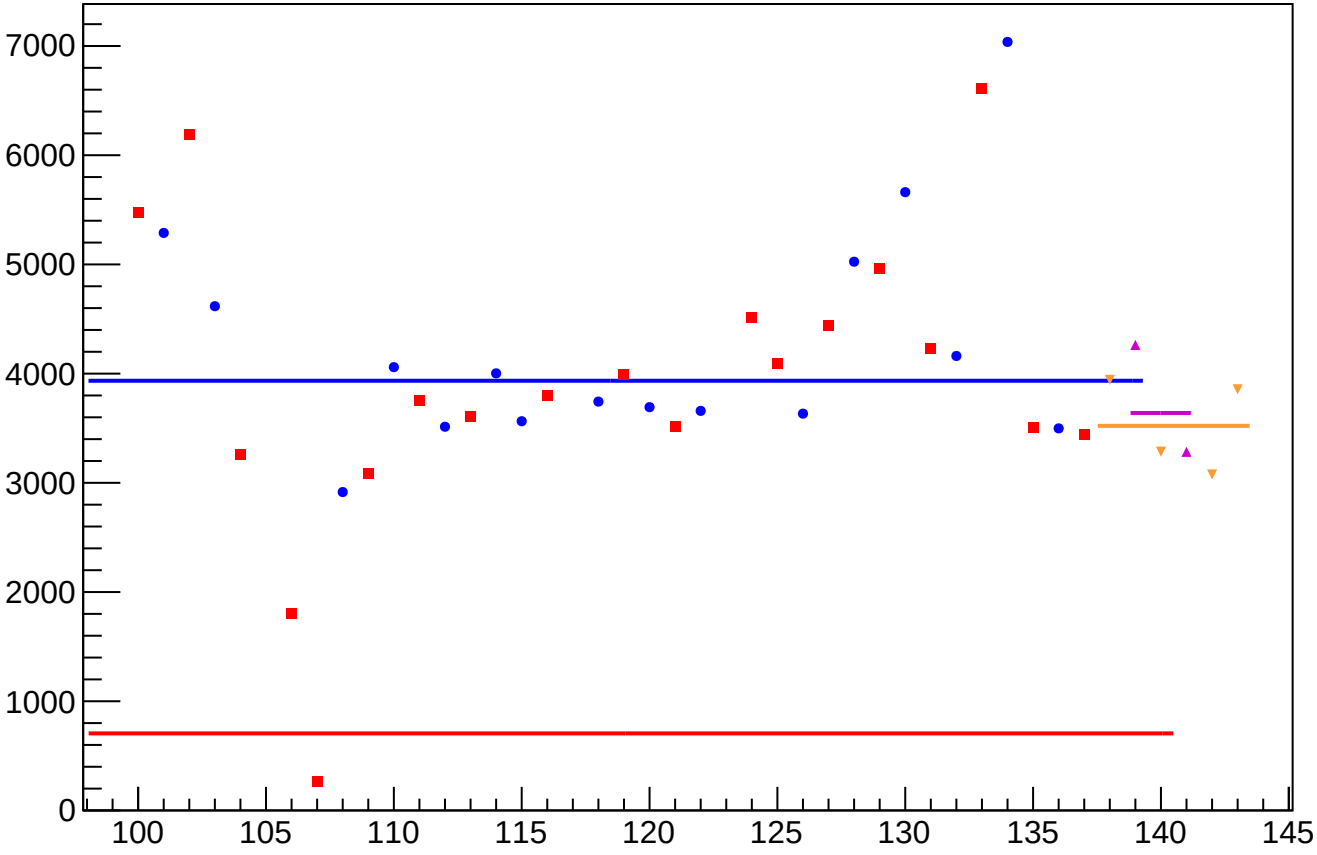
+ sign 1846.281+/-0.413 χ^2/NDF: 275908.1/19

All: 1854.397+/-0.301 χ^2/NDF: 649025.0/40

- sign 1863.658+/-0.441 χ^2/NDF: 372290.0/20


asym_atl1r2_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -2947.953+/-2096.481 χ²/NDF:0.2/3
Right Out: -115.917+/-512.289 χ²/NDF: 18.6/18
Left In: -1351.369+/-2796.002 χ²/NDF:0.0/1
+ sign -223.342+/-1221.055 χ²/NDF: 16.5/19
All: -165.837+/-465.796 χ²/NDF: 35.3/40
- sign -156.044+/-503.901 χ²/NDF: 18.8/20

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3521.771+/-1.482 χ^2/NDF:56669.1/3

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

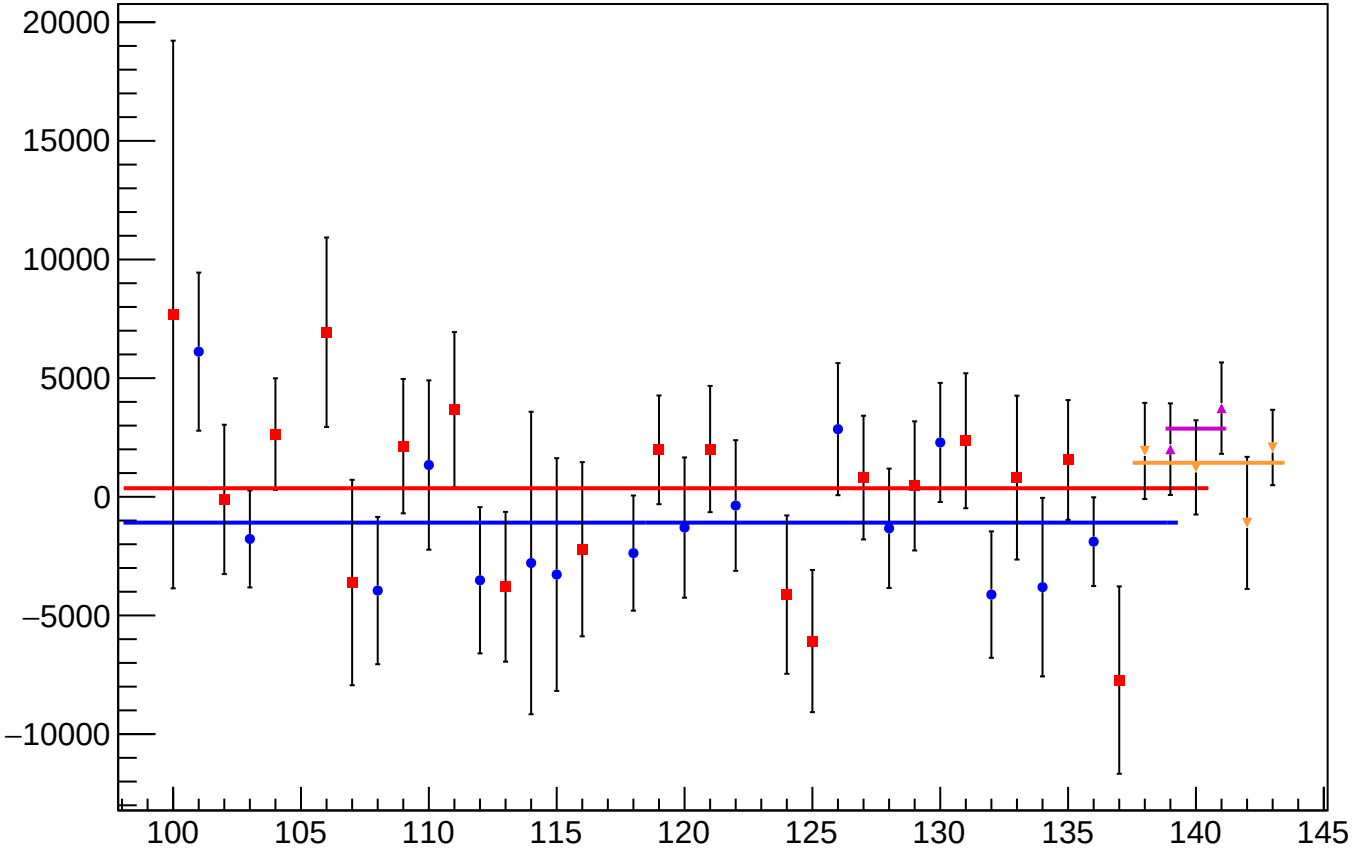
Left In: 3639.795+/-1.977 χ^2/NDF:56738.3/1

+ sign 3794.642+/-0.863 χ^2/NDF: 668094.2/19

All: 1236.567+/-0.329 χ^2/NDF: 23875739.2/4

- sign 800.922+/-0.356 χ^2/NDF: 12934964.1/20

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1434.561+/-988.592 χ^2/NDF:1.1/3

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

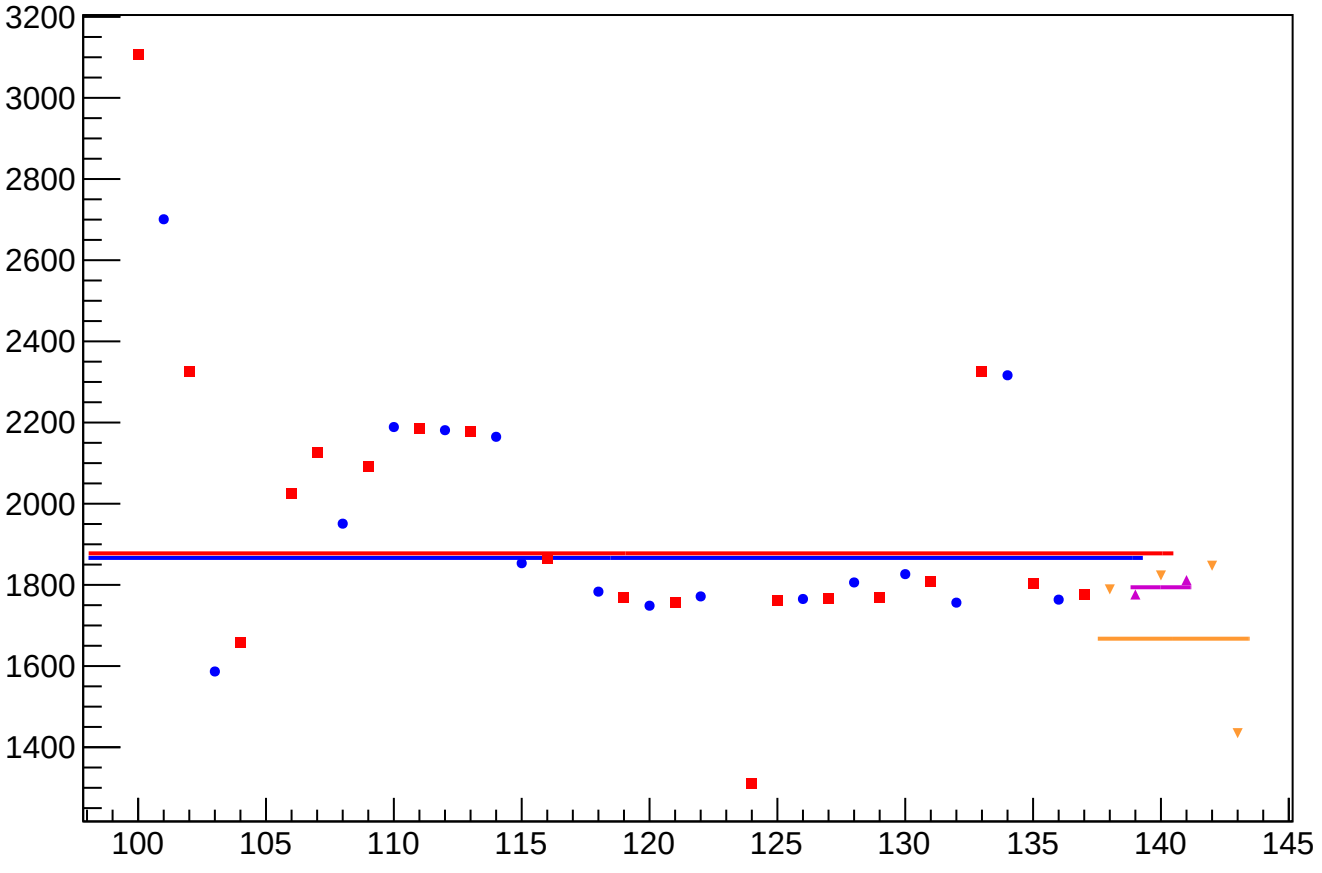
Left In: 2873.669+/-1363.460 χ^2/NDF:0.4/1

+ sign -246.103+/-571.057 χ^2/NDF: 18.6/19

All: 270.756+/-420.808 χ^2/NDF: 44.3/40

- sign 884.911+/-622.490 χ^2/NDF: 23.9/20

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1667.440+/-0.699 χ^2/NDF:70853.8/3

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

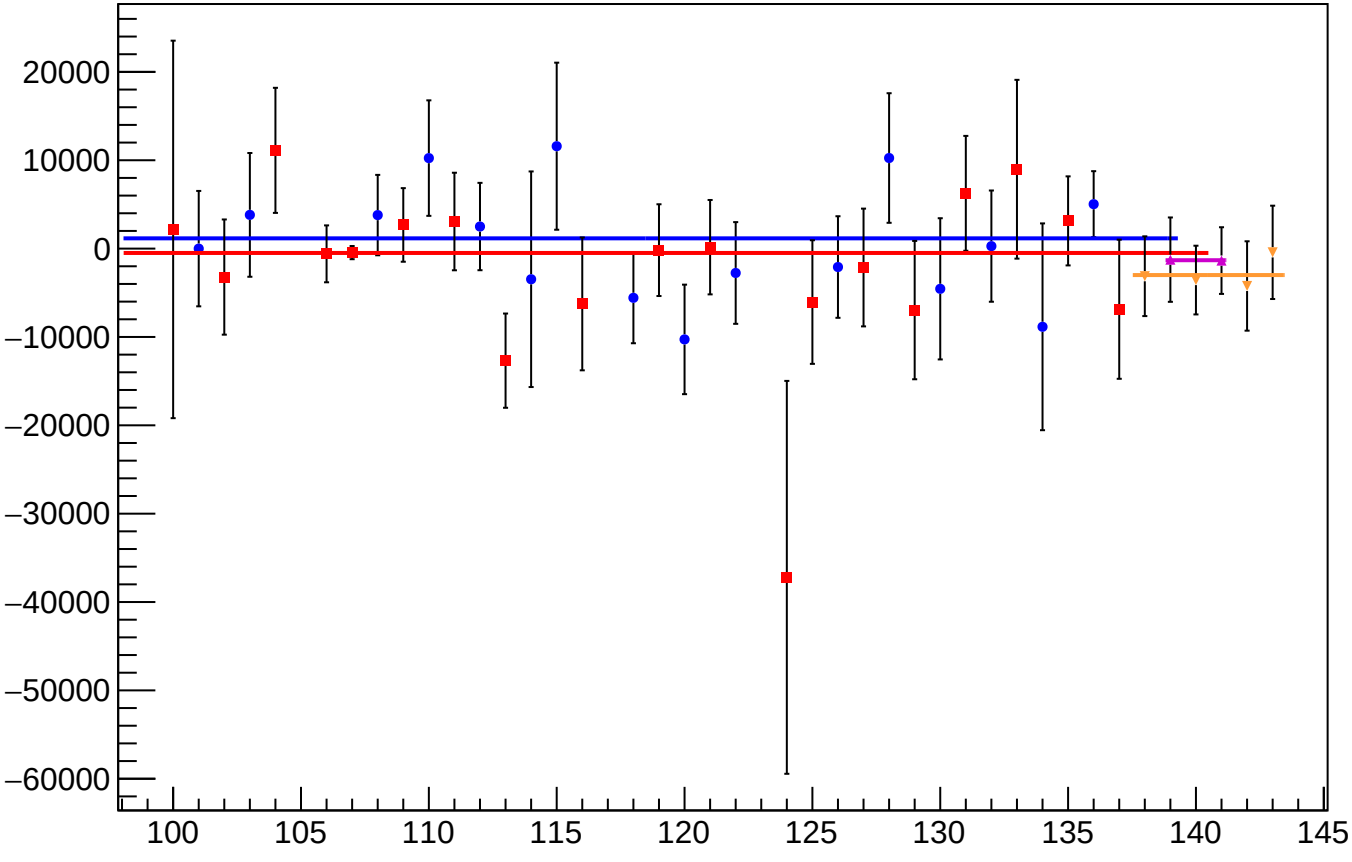
Left In: 1794.126+/-0.964 χ^2/NDF:339.3/1

+ sign 1800.049+/-0.404 χ^2/NDF: 381123.8/19

All: 1827.589+/-0.297 χ^2/NDF: 649429.1/40

- sign 1860.270+/-0.440 χ^2/NDF: 258134.0/20

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -2994.049+/-2293.094 χ^2/NDF:0.3/3

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

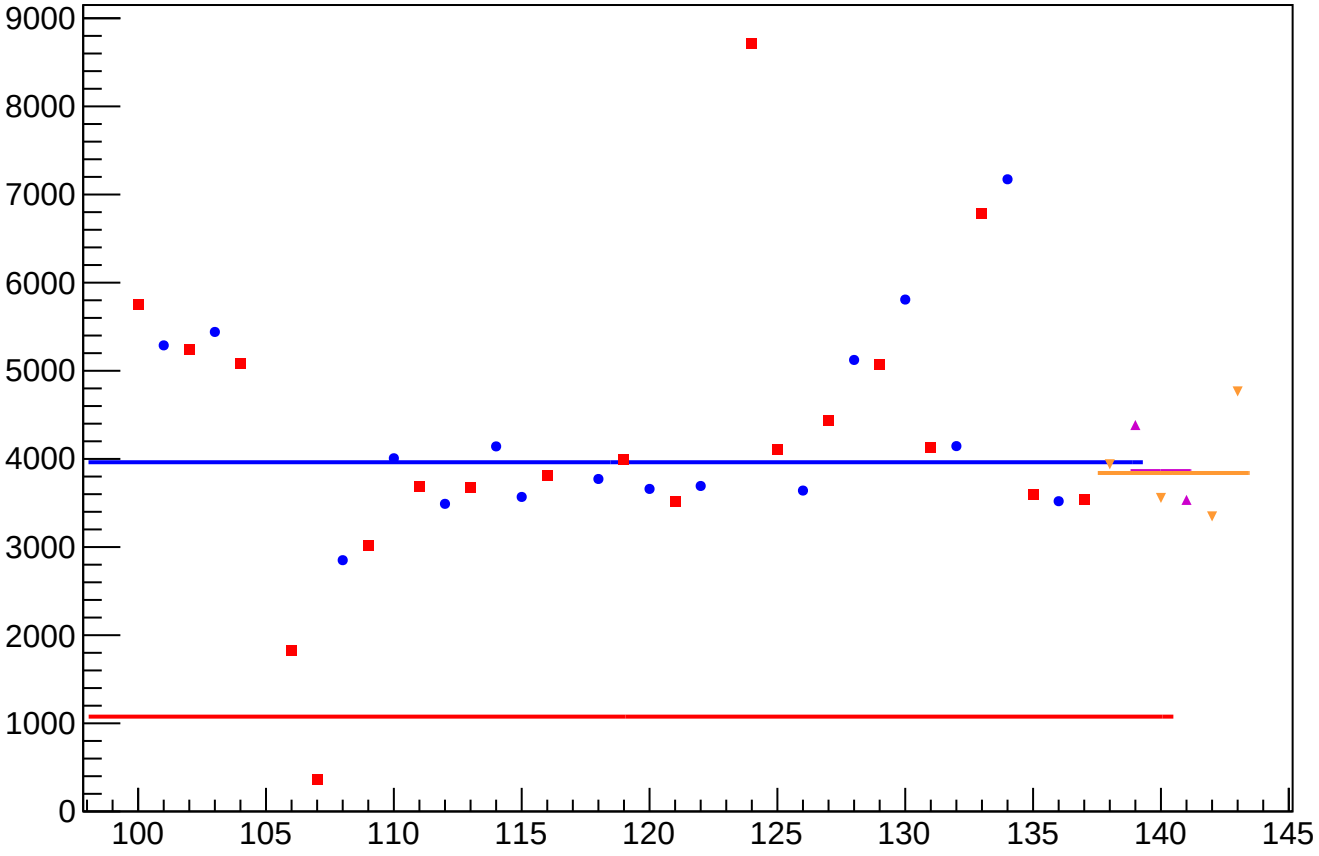
Left In: -1314.229+/-2960.070 χ^2/NDF:0.0/1

+ sign -98.255+/-1262.425 χ^2/NDF: 16.3/19

All: -442.412+/-572.817 χ^2/NDF: 33.4/40

- sign -531.638+/-642.796 χ^2/NDF: 17.0/20

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3840.476+/-1.621 χ^2/NDF:91925.6/3

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

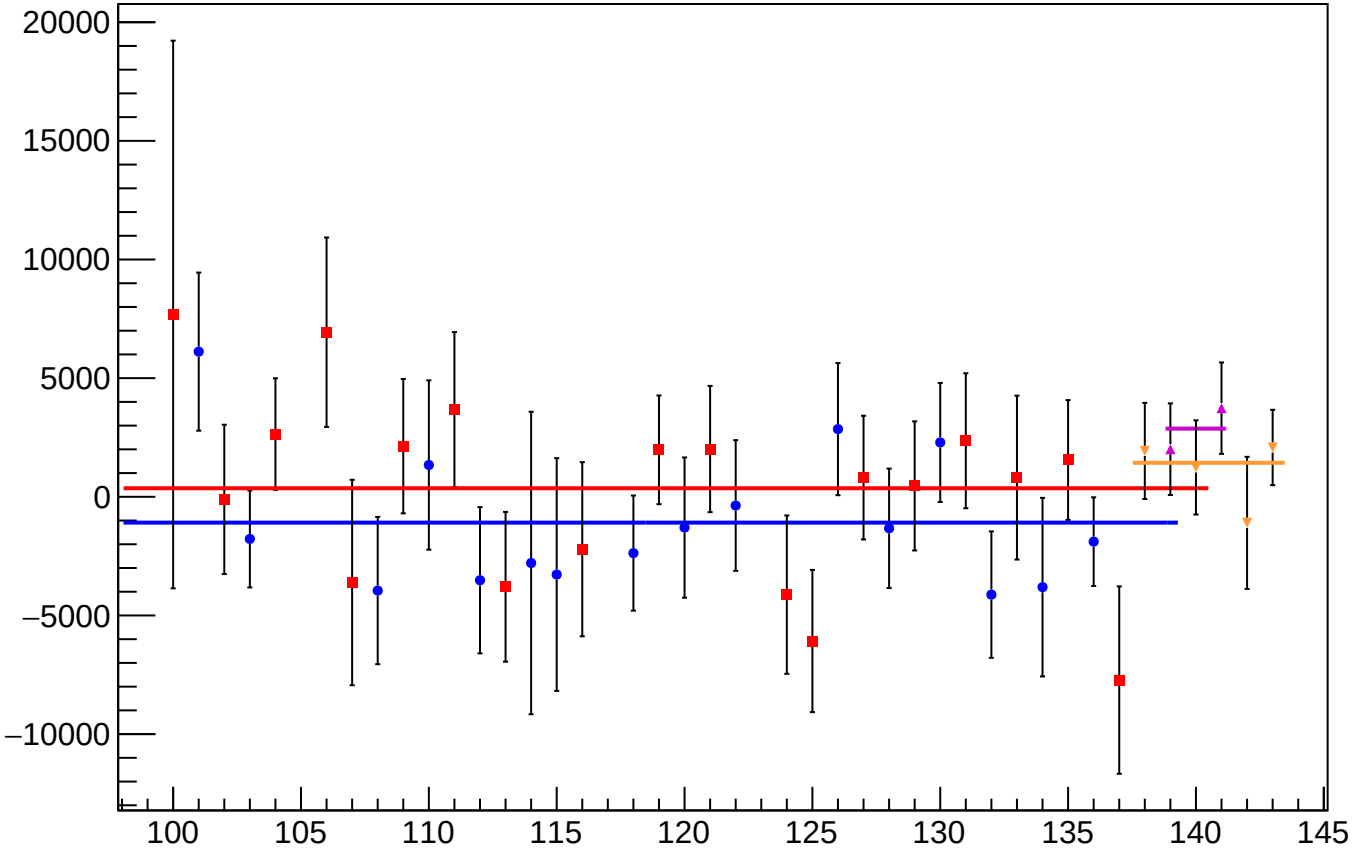
Left In: 3861.937+/-2.093 χ^2/NDF:38962.1/1

+ sign 3925.424+/-0.893 χ^2/NDF: 764203.5/19

All: 1766.942+/-0.405 χ^2/NDF: 19412251.1/4

- sign 1207.335+/-0.455 χ^2/NDF: 11285454.9/20

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1434.549+/-988.593 χ^2/NDF:1.1/3

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

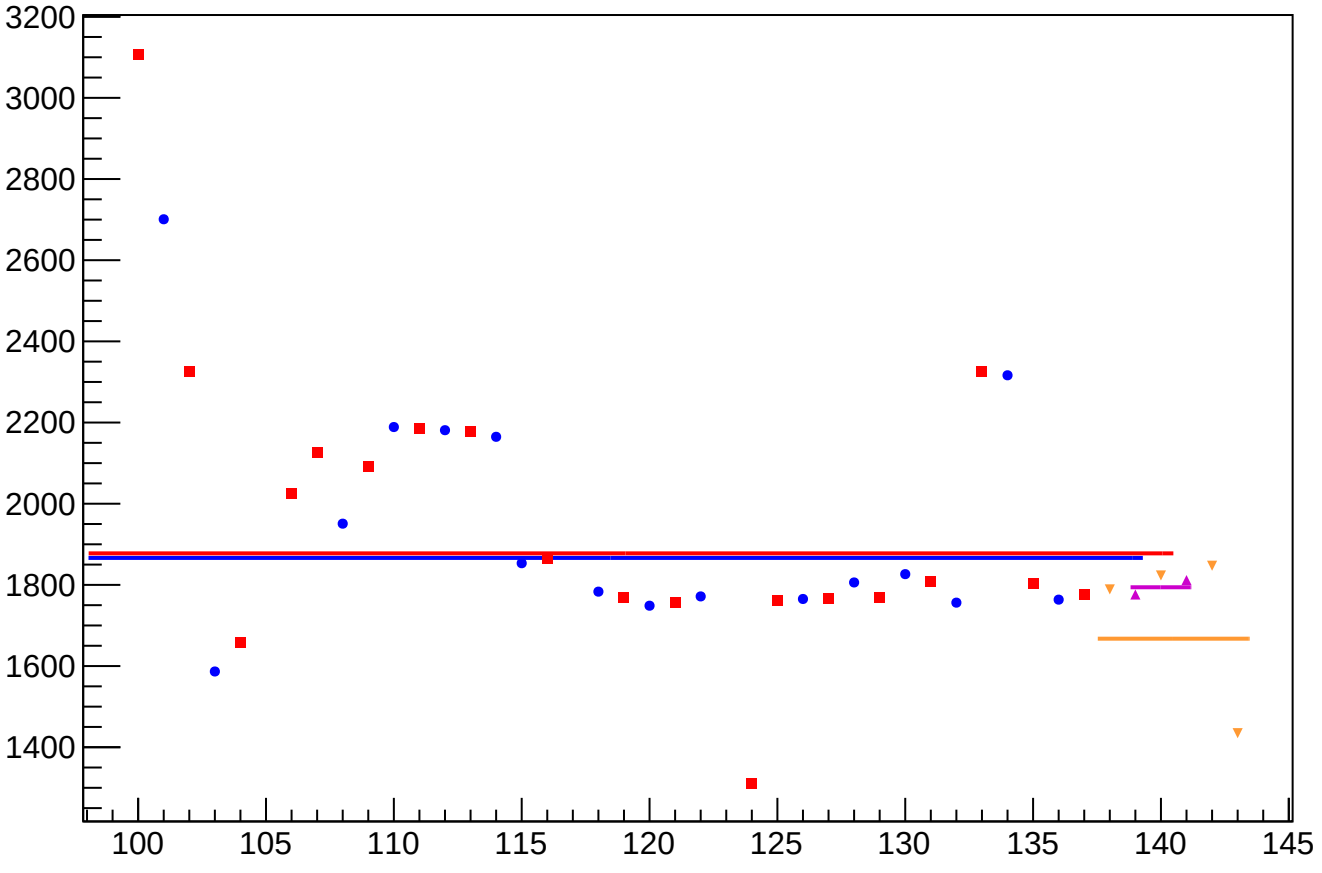
Left In: 2873.651+/-1363.460 χ^2/NDF:0.4/1

+ sign -246.111+/-571.057 χ^2/NDF: 18.6/19

All: 270.752+/-420.808 χ^2/NDF: 44.3/40

- sign 884.912+/-622.490 χ^2/NDF: 23.9/20

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1667.442+/-0.699 χ^2/NDF:70852.9/3

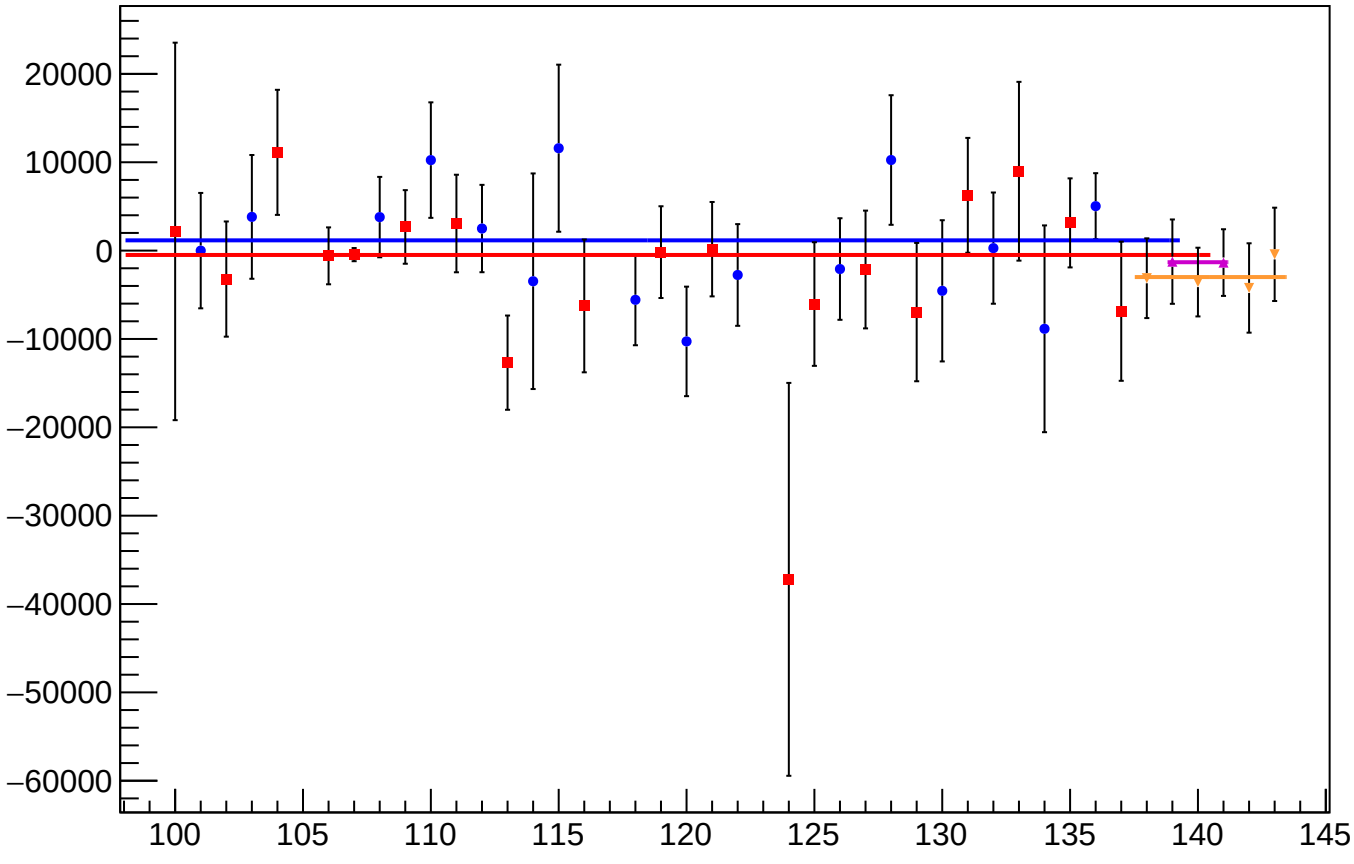
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1794.126+/-0.964 χ^2/NDF:339.3/1

+ sign 1800.050+/-0.404 χ^2/NDF: 381122.0/19

All: 1827.589+/-0.297 χ^2/NDF: 649427.4/40

- sign 1860.270+/-0.440 χ^2/NDF: 258134.2/20



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -2994.058+/-2293.095 χ^2/NDF:0.3/3

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

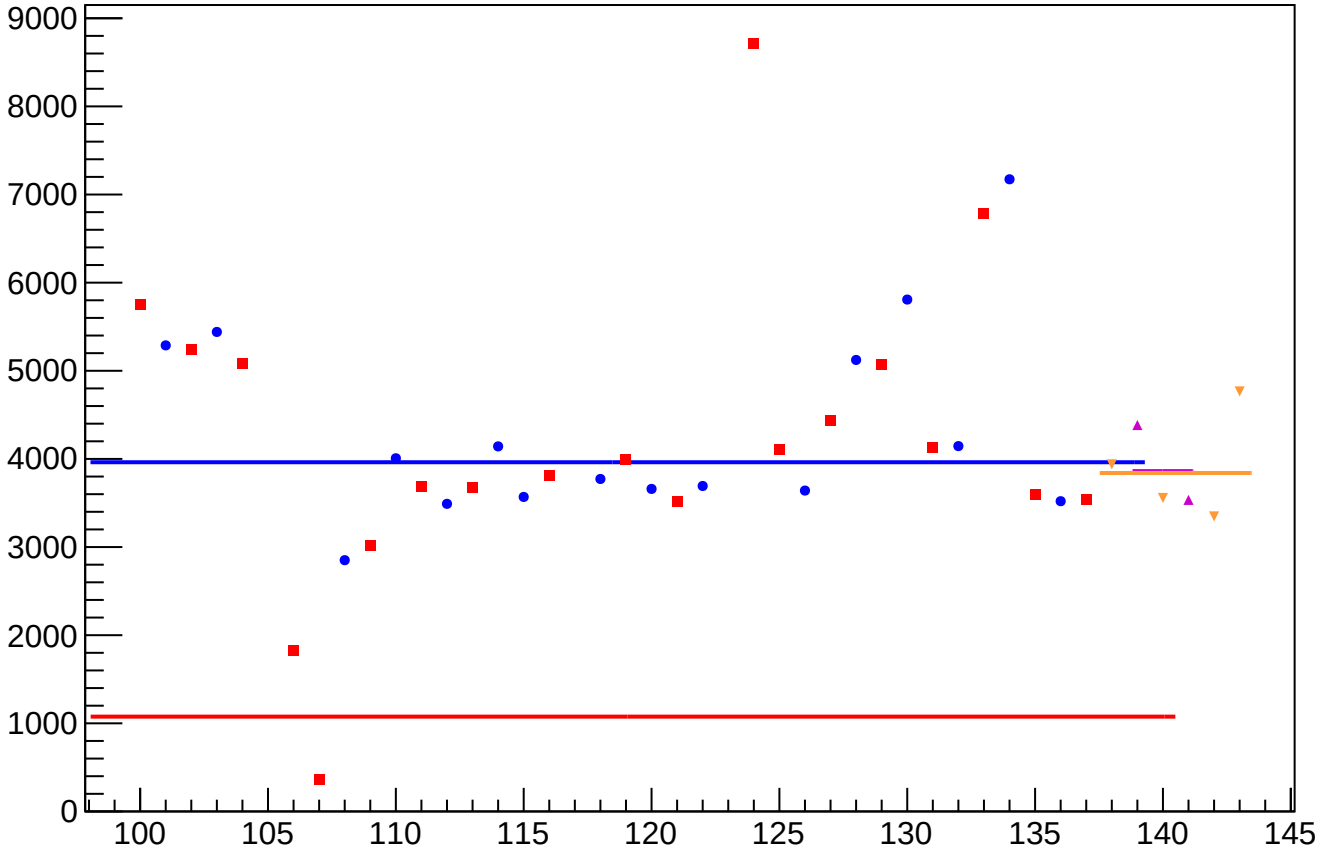
Left In: -1314.247+/-2960.072 χ^2/NDF:0.0/1

+ sign -98.269+/-1262.424 χ^2/NDF: 16.3/19

All: -442.419+/-572.824 χ^2/NDF: 33.4/40

- sign -531.647+/-642.806 χ^2/NDF: 17.0/20

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3840.477+/-1.621 χ^2/NDF:91925.2/3

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

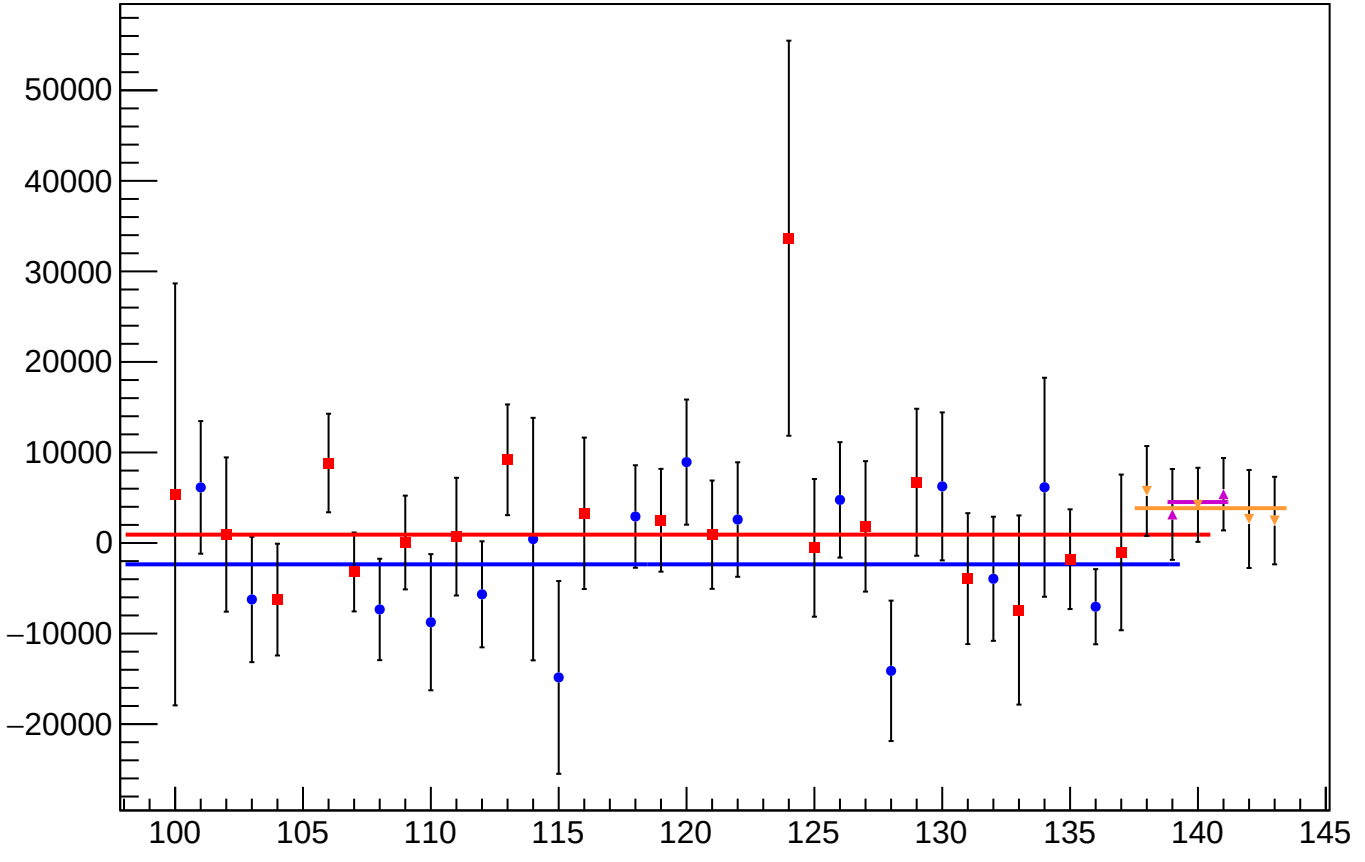
Left In: 3861.939+/-2.093 χ^2/NDF:38963.0/1

+ sign 3925.420+/-0.893 χ^2/NDF: 764199.0/19

All: 1766.983+/-0.405 χ^2/NDF: 19411841.3/4

- sign 1207.368+/-0.455 χ^2/NDF: 11285286.6/20

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 3847.908+/-2374.884 χ^2/NDF:0.3/3

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

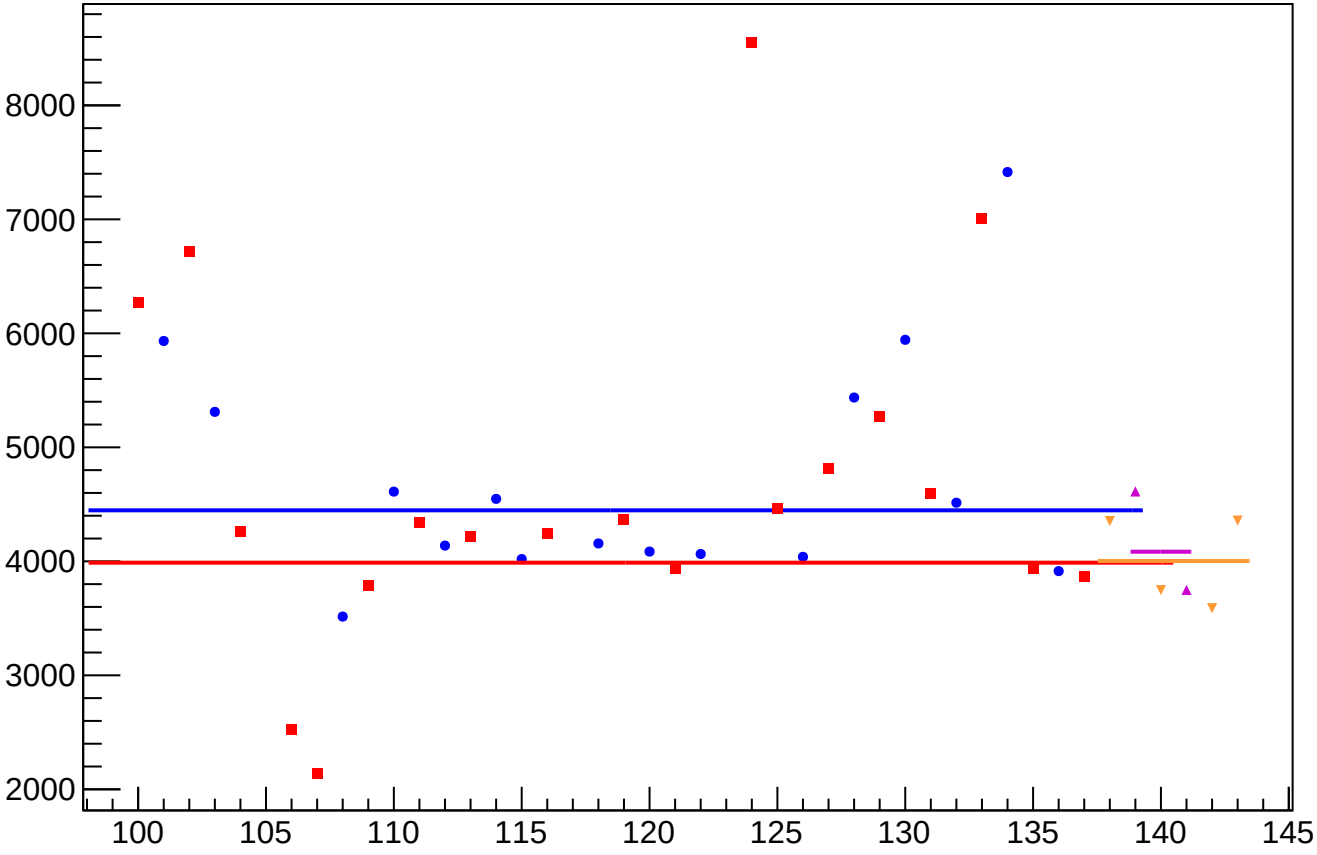
Left In: 4524.031+/-3125.079 χ^2/NDF:0.1/1

+ sign -278.260+/-1374.122 χ^2/NDF: 20.4/19

All: 669.006+/-975.944 χ^2/NDF: 33.1/40

- sign 1633.199+/-1386.346 χ^2/NDF: 11.8/20

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4003.073+/-1.679 χ^2/NDF:40184.8/3

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

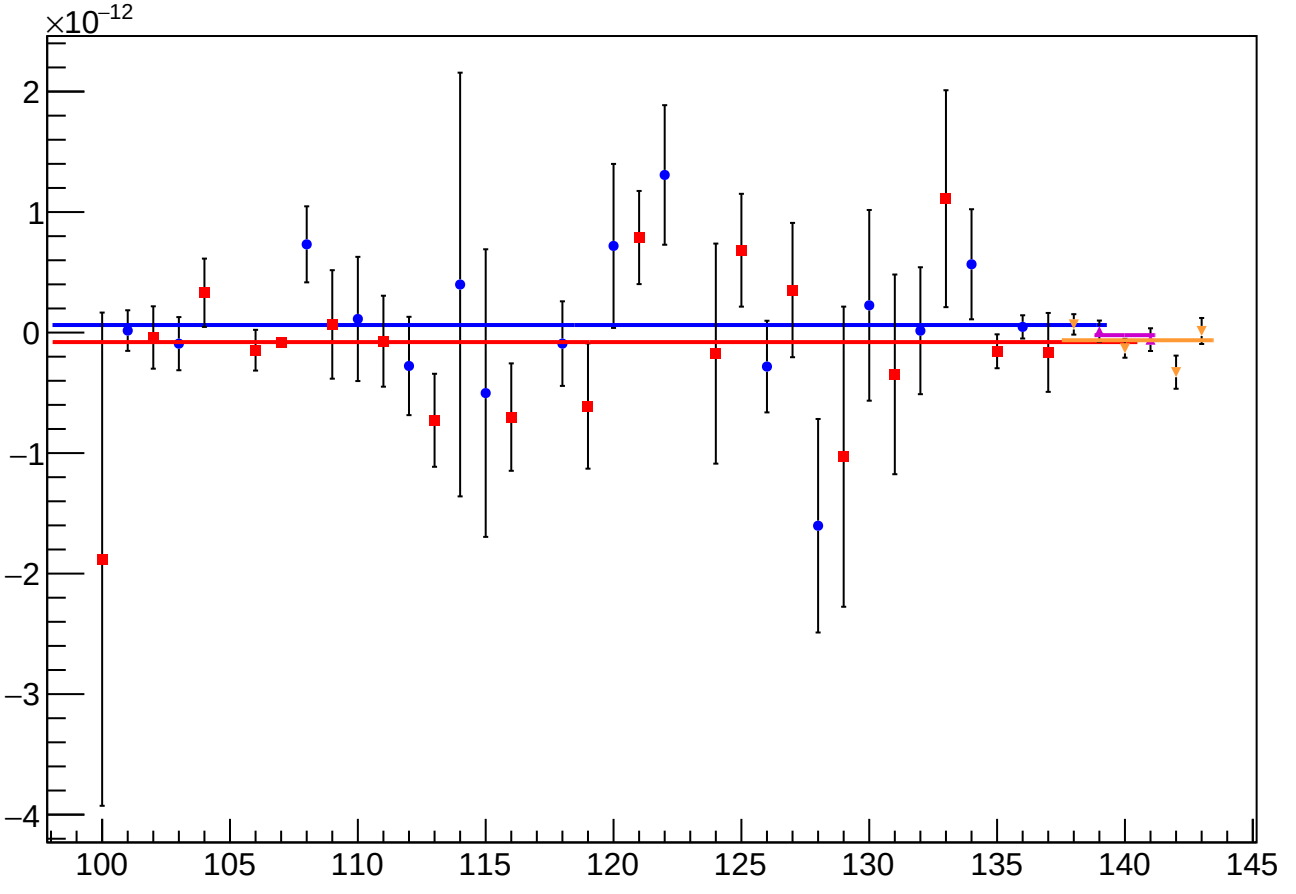
Left In: 4084.341+/-2.210 χ^2/NDF:36272.2/1

+ sign 4298.662+/-0.972 χ^2/NDF: 545011.6/19

All: 4152.882+/-0.687 χ^2/NDF: 1771798.3/40

- sign 4006.859+/-0.972 χ^2/NDF: 1181729.4/20

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:7.4/3

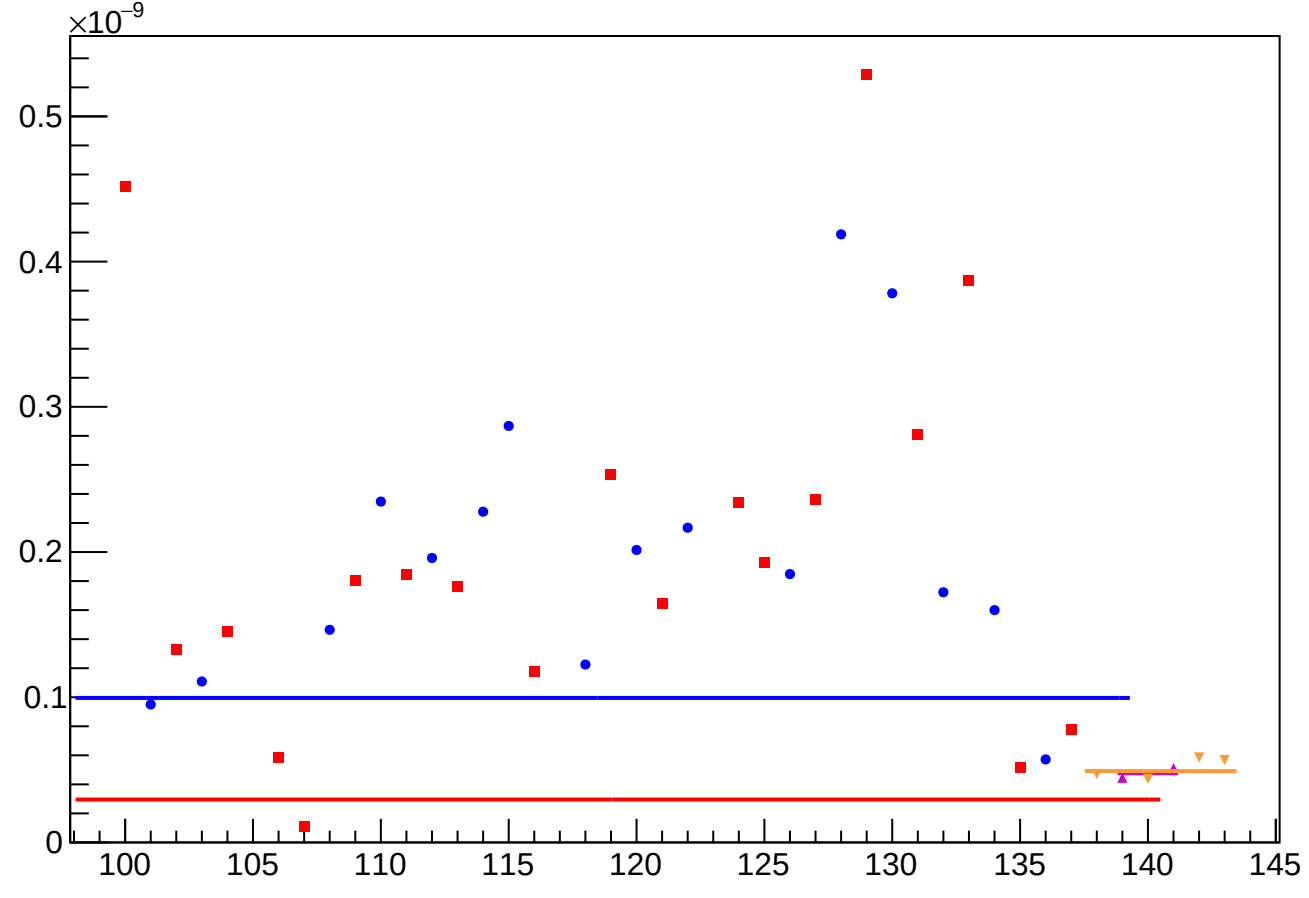
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/19

All: -0.000+/-0.000 χ^2/NDF: 48.9/40

- sign -0.000+/-0.000 χ^2/NDF: 21.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:29681.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

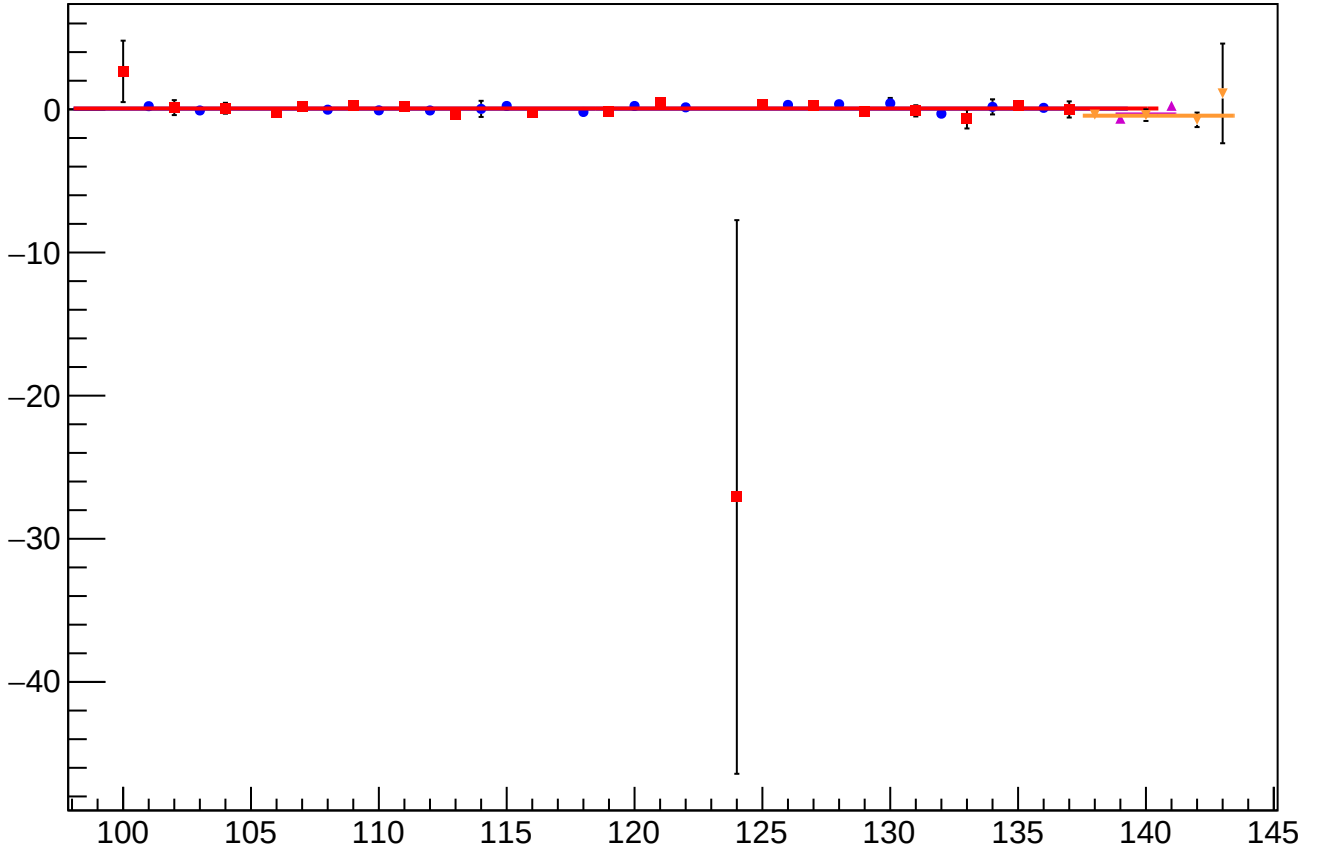
Left In: 0.000+/-0.000 χ^2/NDF:5303.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 2328503.1/19

All: 0.000+/-0.000 χ^2/NDF: 7693512.2/40

- sign 0.000+/-0.000 χ^2/NDF: 4493046.9/20

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

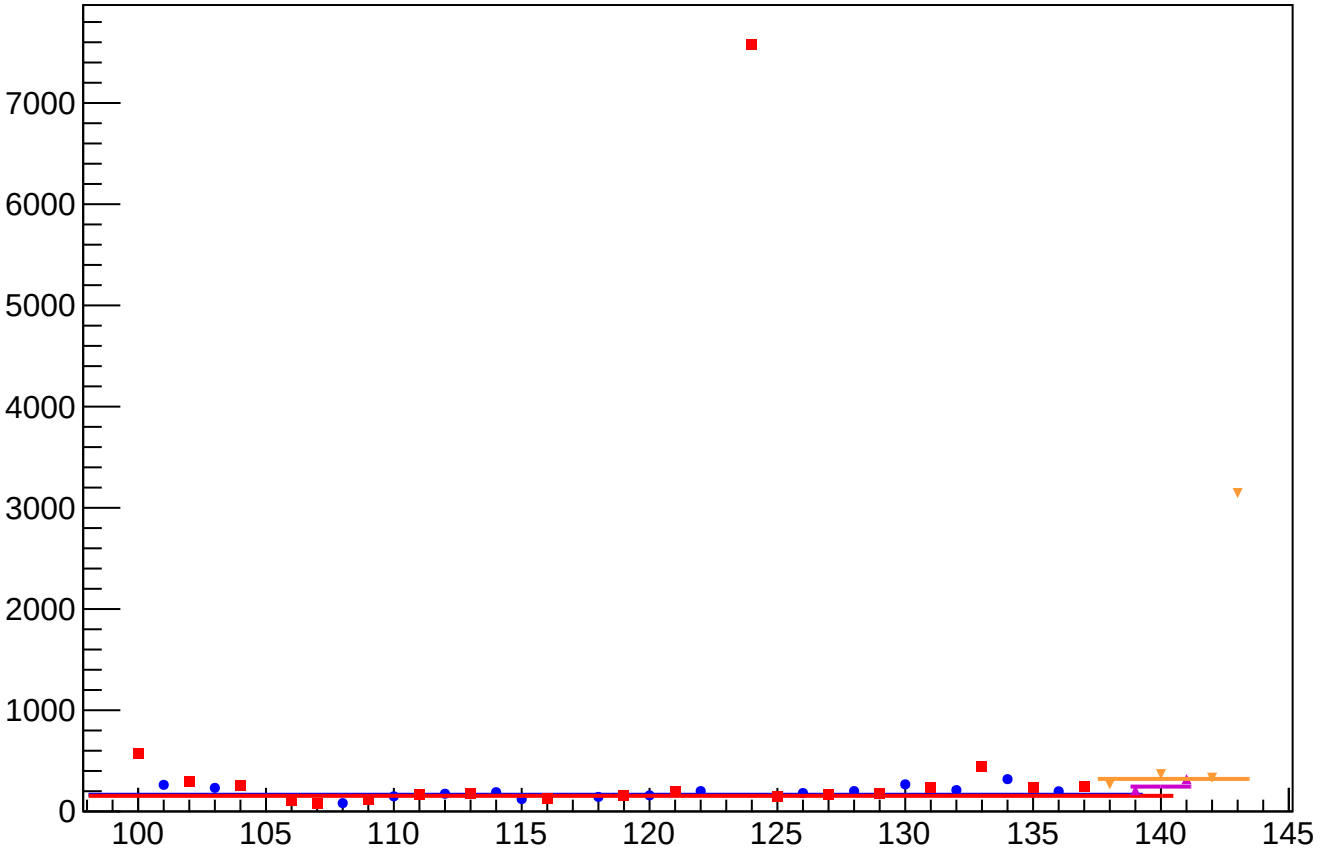
Left In: -0.354+/-0.196 χ^2/NDF:4.7/1

+ sign 0.008+/-0.064 χ^2/NDF: 12.7/19

All: 0.015+/-0.044 χ^2/NDF: 39.8/40

- sign 0.021+/-0.061 χ^2/NDF: 27.1/20

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 321.655+/-0.157 χ^2/NDF:1404572.8/3

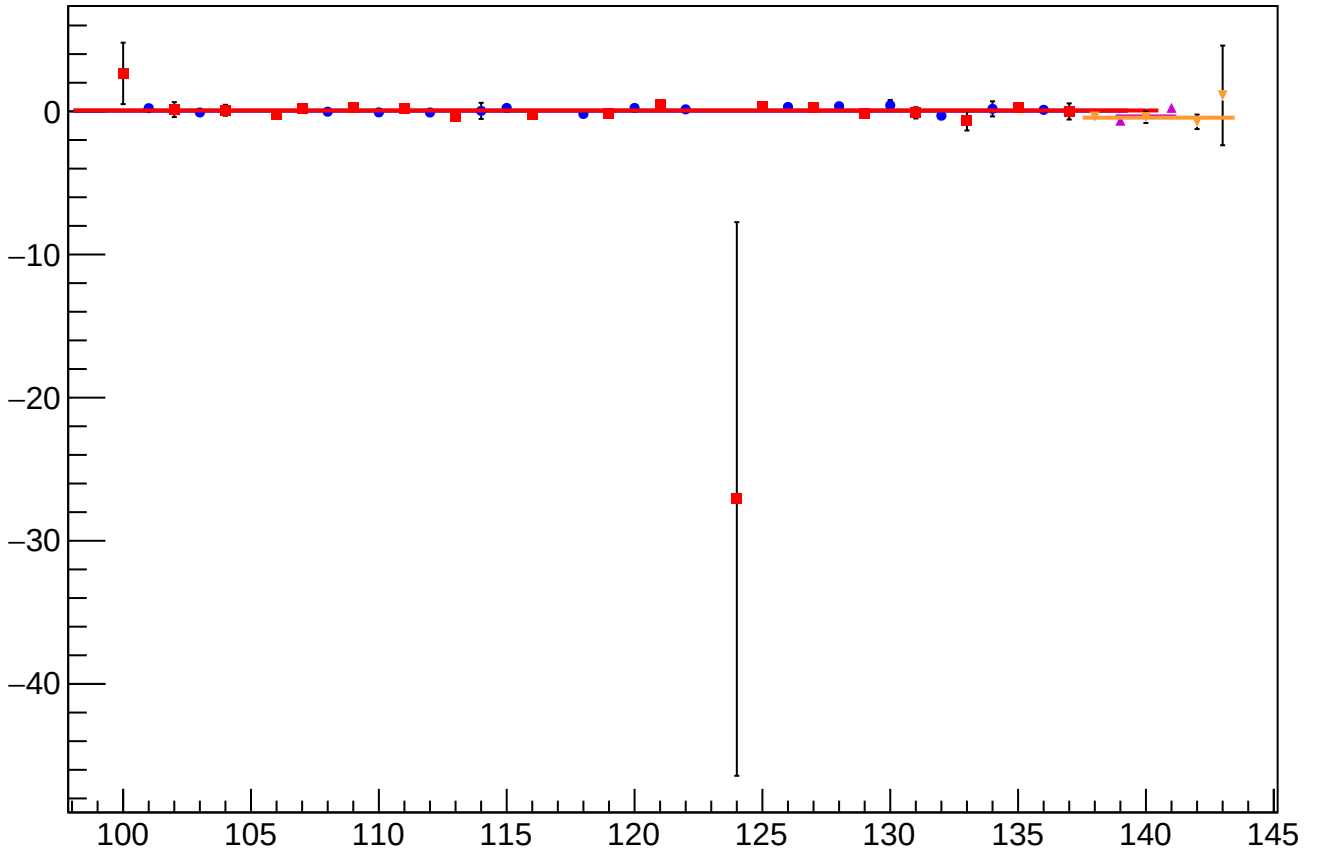
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 245.538+/-0.139 χ^2/NDF:138754.4/1

+ sign 177.788+/-0.045 χ^2/NDF: 3798474.2/19

All: 170.252+/-0.031 χ^2/NDF: 6303426.3/40

- sign 163.281+/-0.043 χ^2/NDF: 2450912.0/20



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

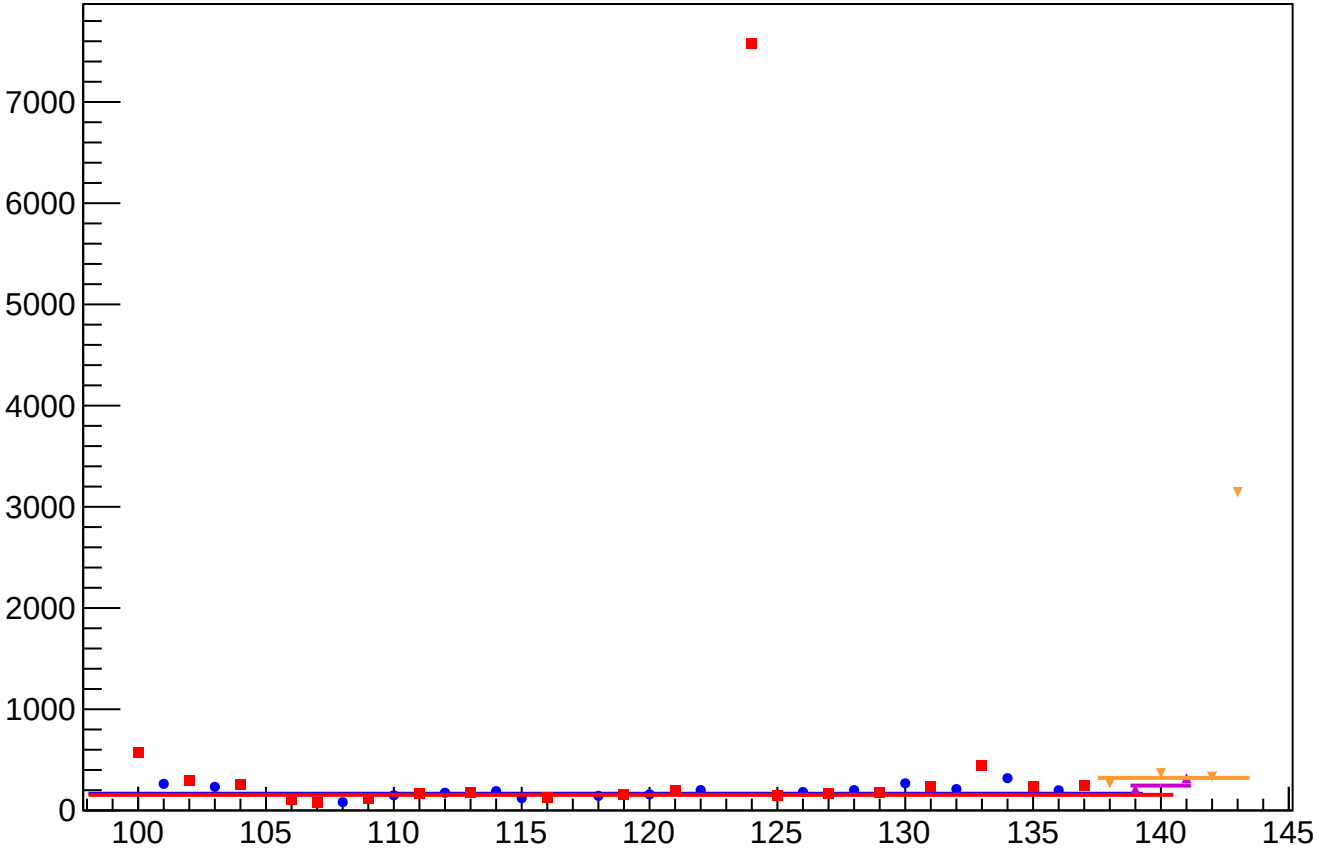
Left In: -0.354+/-0.196 χ^2/NDF:4.7/1

+ sign 0.008+/-0.064 χ^2/NDF: 12.7/19

All: 0.015+/-0.044 χ^2/NDF: 39.8/40

- sign 0.021+/-0.061 χ^2/NDF: 27.1/20

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: 321.655+/-0.157 χ^2/NDF:1404572.8/3

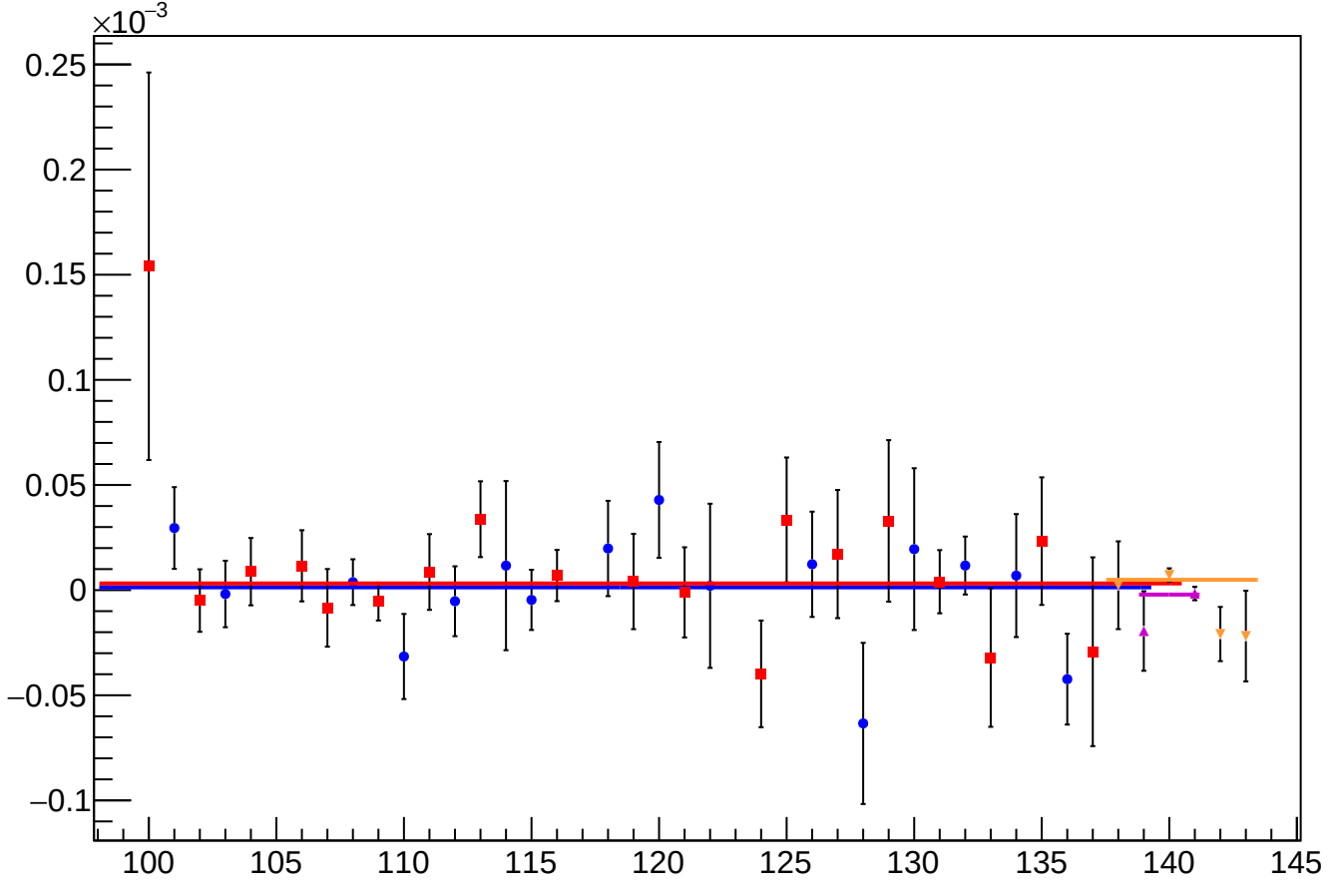
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 245.538+/-0.139 χ^2/NDF:138754.4/1

+ sign 177.788+/-0.045 χ^2/NDF: 3798474.2/19

All: 170.252+/-0.031 χ^2/NDF: 6303426.3/40

- sign 163.281+/-0.043 χ^2/NDF: 2450912.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/3

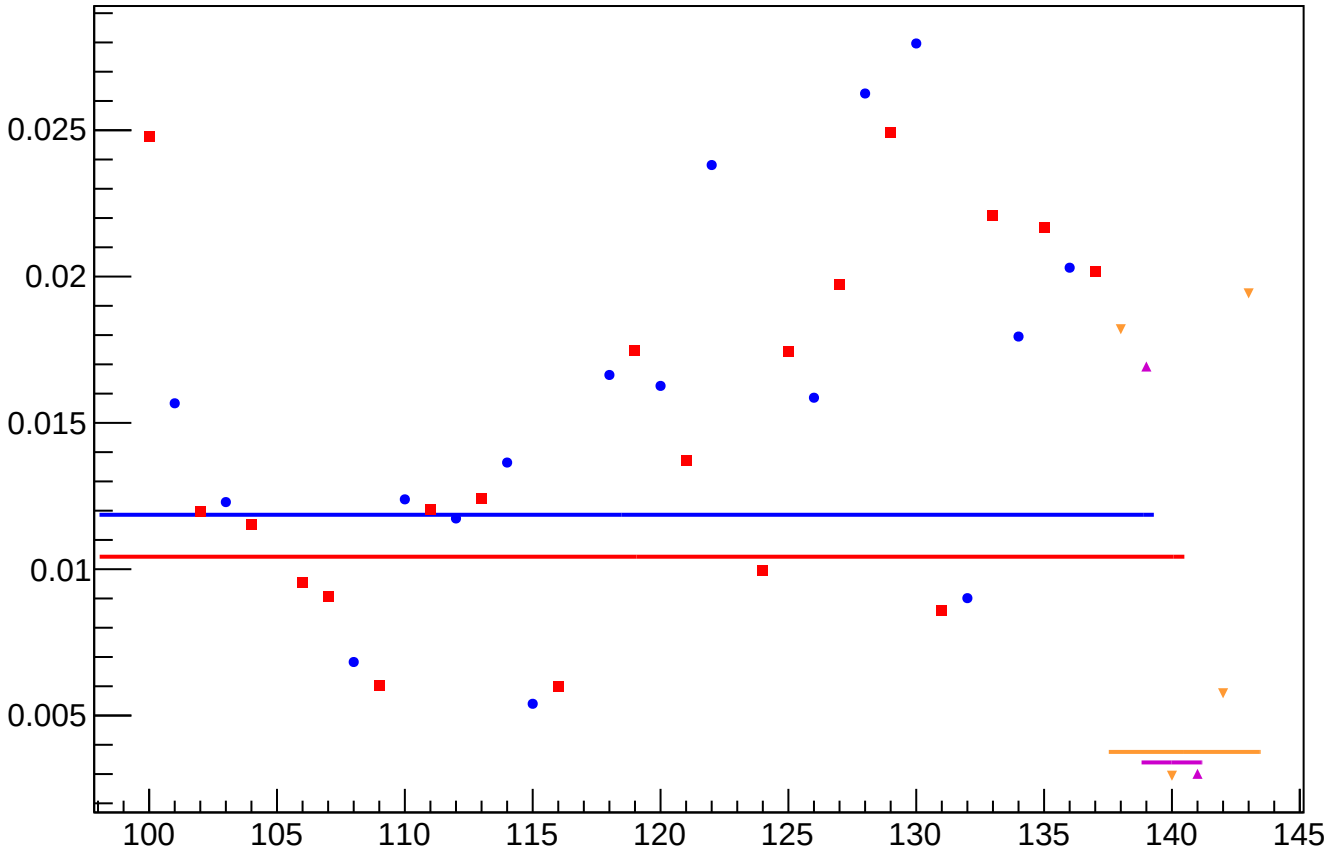
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 22.6/19

All: 0.000+/-0.000 χ^2/NDF: 40.3/40

- sign -0.000+/-0.000 χ^2/NDF: 16.5/20



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2189965.1/3

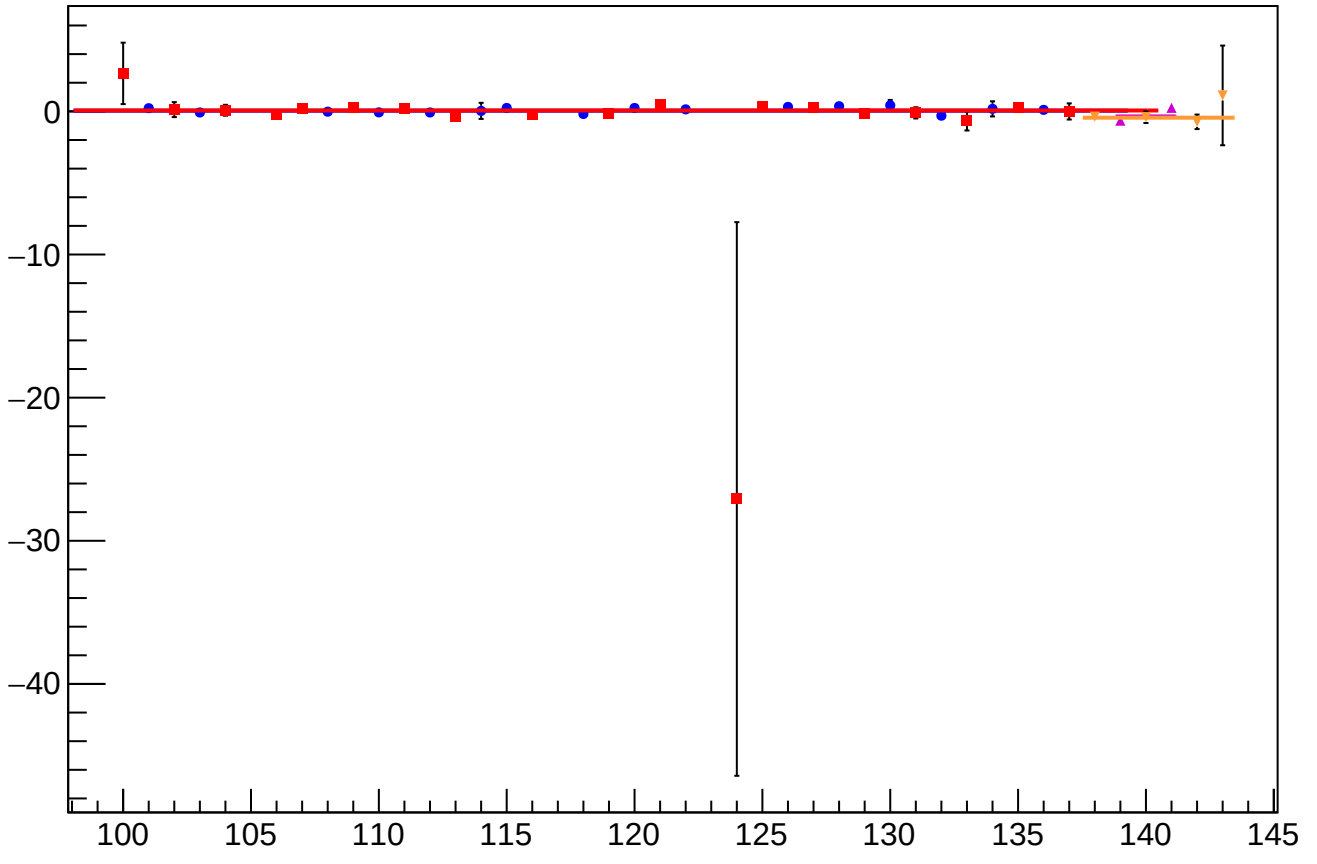
Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.003+/-0.000 χ^2/NDF:1052547.9/1

+ sign 0.006+/-0.000 χ^2/NDF: 8568961.5/19

All: 0.006+/-0.000 χ^2/NDF: 15516248.0/40

- sign 0.006+/-0.000 χ^2/NDF: 6944717.1/20



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

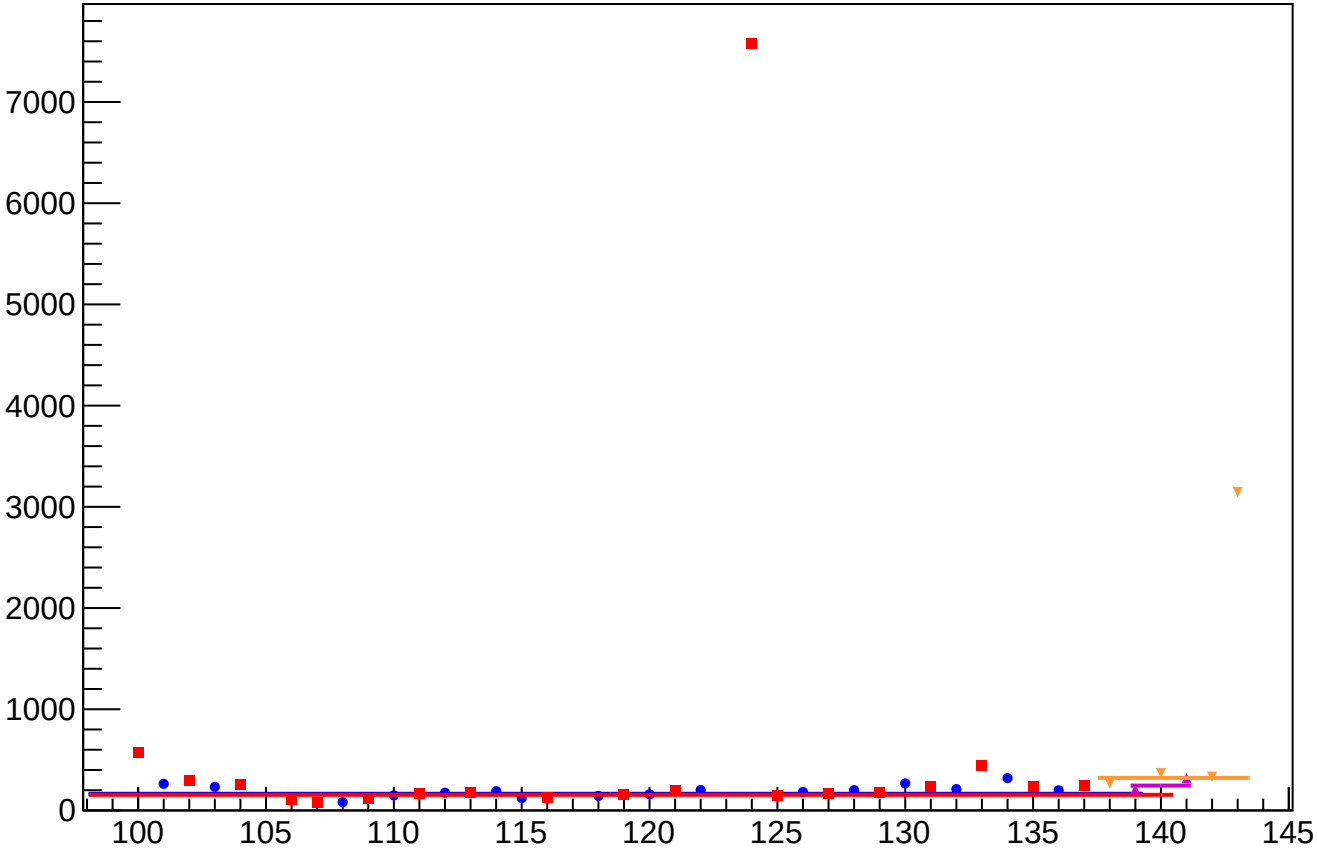
Left In: -0.354+/-0.196 χ^2/NDF:4.7/1

+ sign 0.008+/-0.064 χ^2/NDF: 12.7/19

All: 0.015+/-0.044 χ^2/NDF: 39.8/40

- sign 0.021+/-0.061 χ^2/NDF: 27.1/20

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: 321.658+/-0.157 χ^2/NDF:1404558.1/3

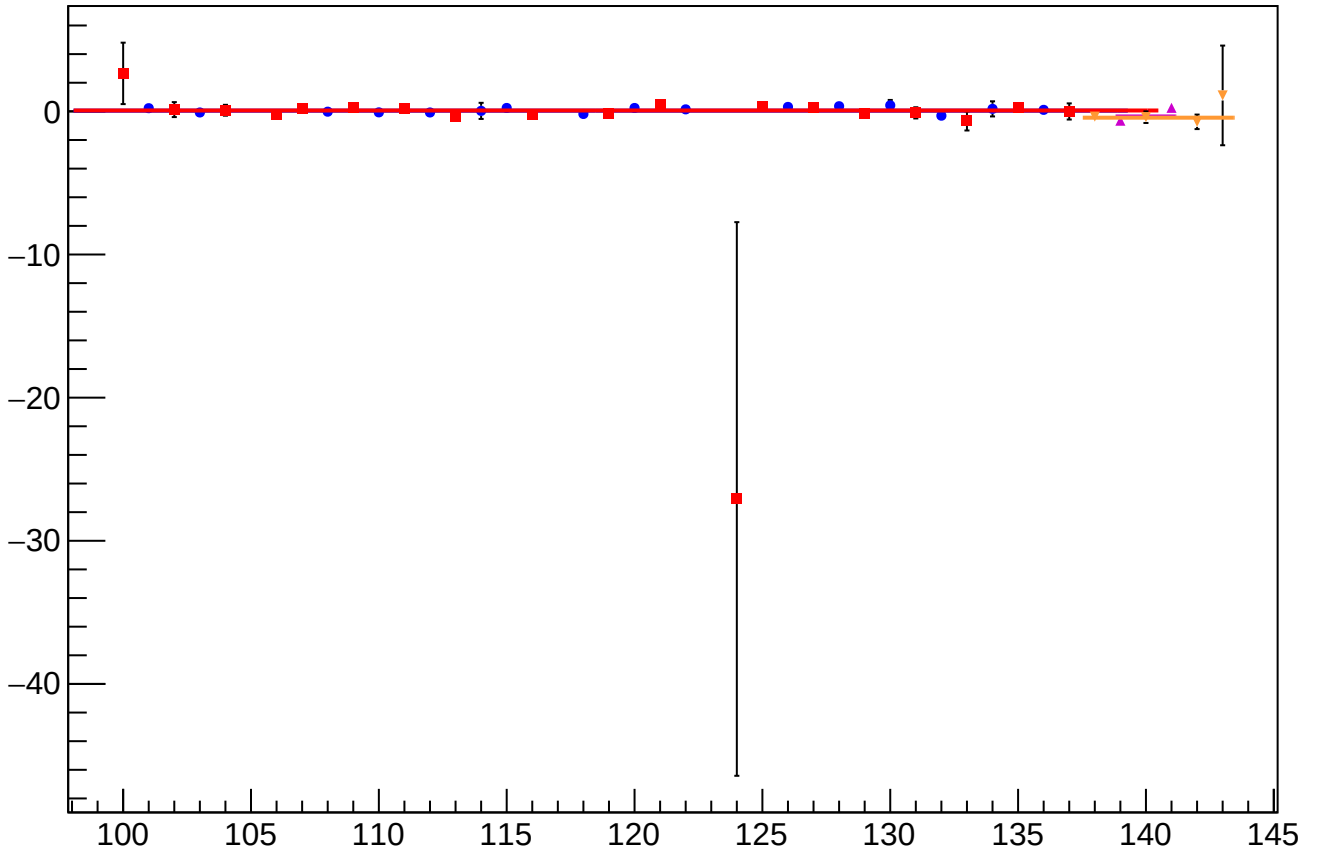
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 245.540+/-0.139 χ^2/NDF:138743.7/1

+ sign 177.788+/-0.045 χ^2/NDF: 3798462.7/19

All: 170.252+/-0.031 χ^2/NDF: 6303444.4/40

- sign 163.280+/-0.043 χ^2/NDF: 2450941.3/20



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

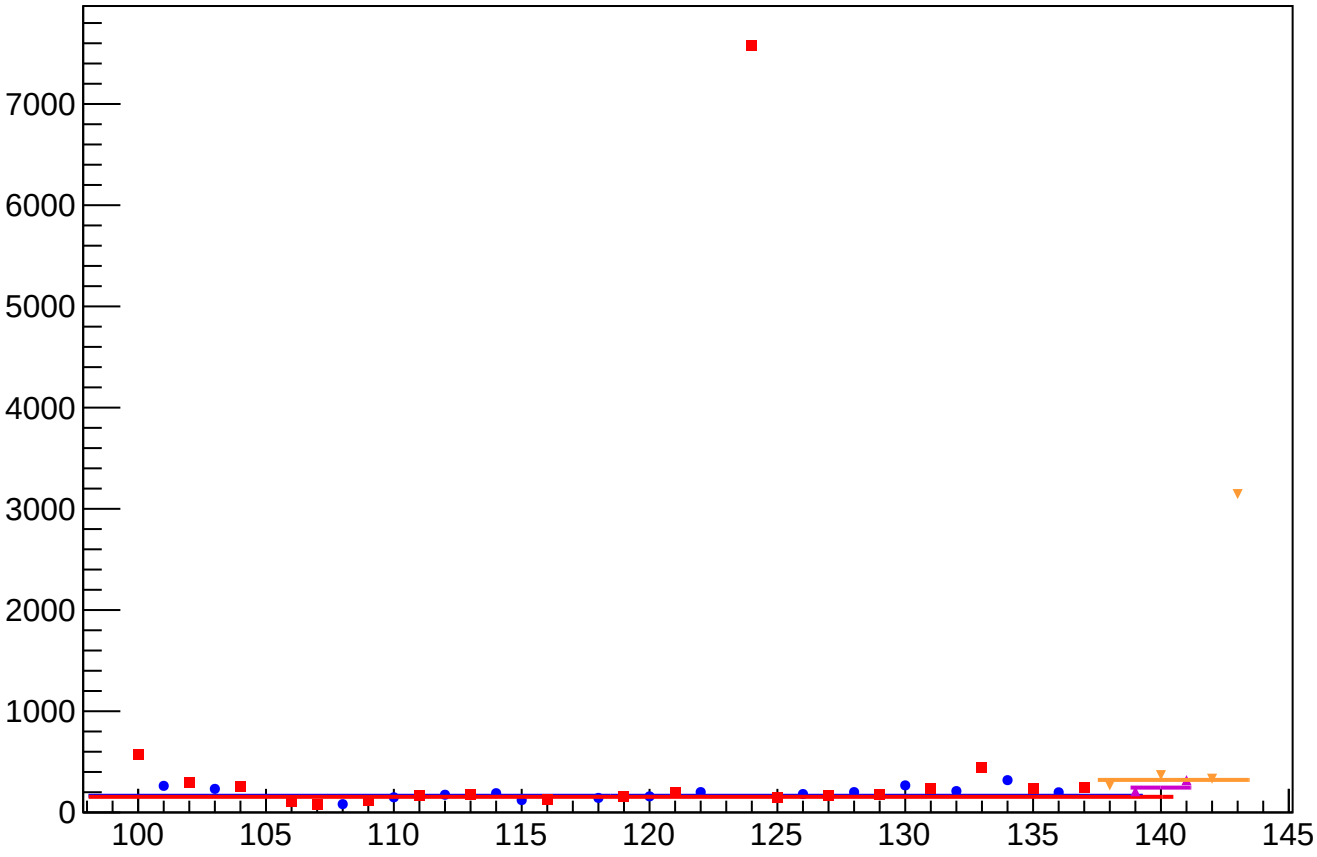
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.354+/-0.196 χ^2/NDF:4.7/1

+ sign 0.008+/-0.064 χ^2/NDF: 12.7/19

All: 0.015+/-0.044 χ^2/NDF: 39.8/40

- sign 0.021+/-0.061 χ^2/NDF: 27.1/20



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 321.658+/-0.157 χ^2/NDF:1404558.1/3

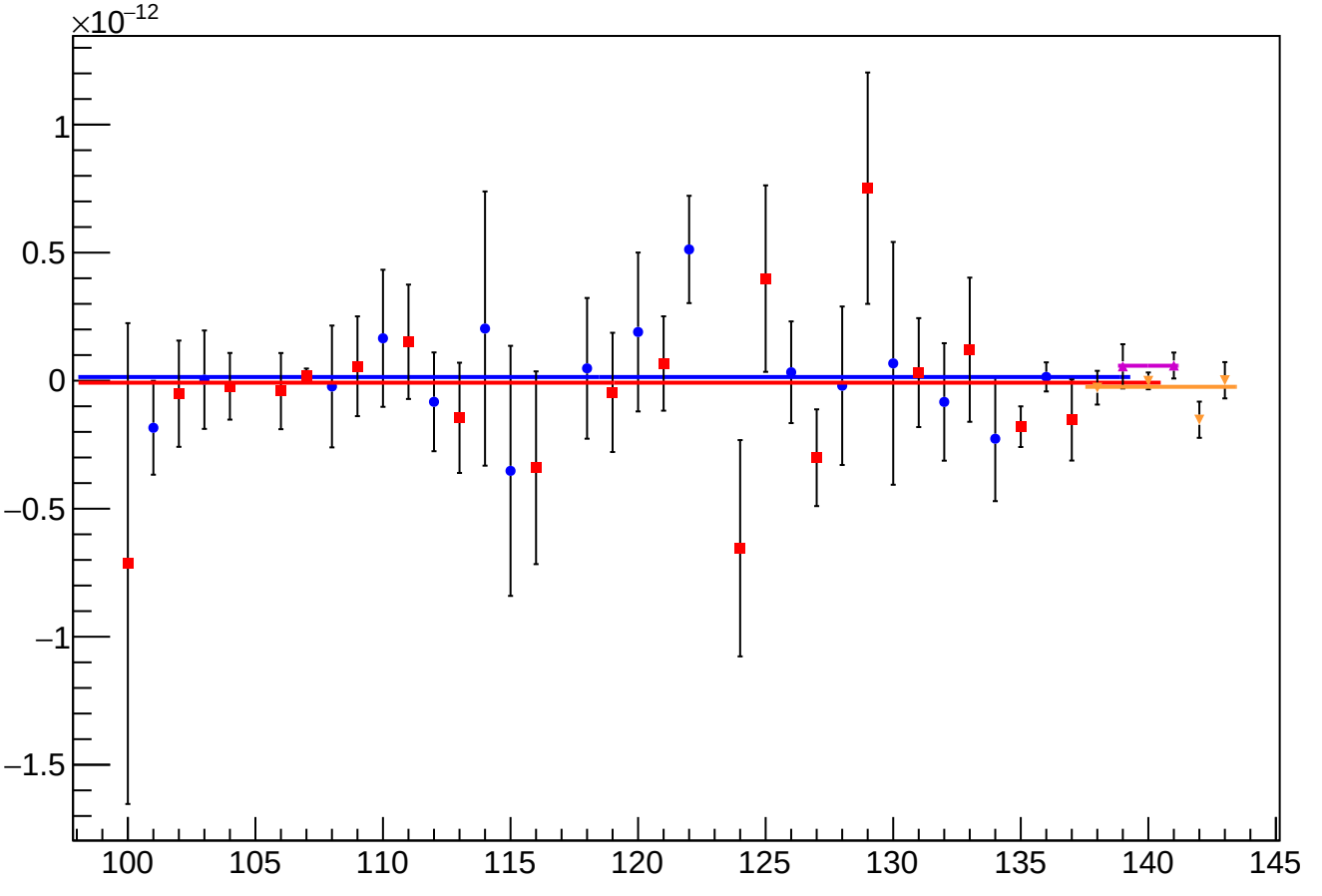
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 245.540+/-0.139 χ^2/NDF:138743.7/1

+ sign 177.788+/-0.045 χ^2/NDF: 3798462.7/19

All: 170.252+/-0.031 χ^2/NDF: 6303444.4/40

- sign 163.280+/-0.043 χ^2/NDF: 2450941.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

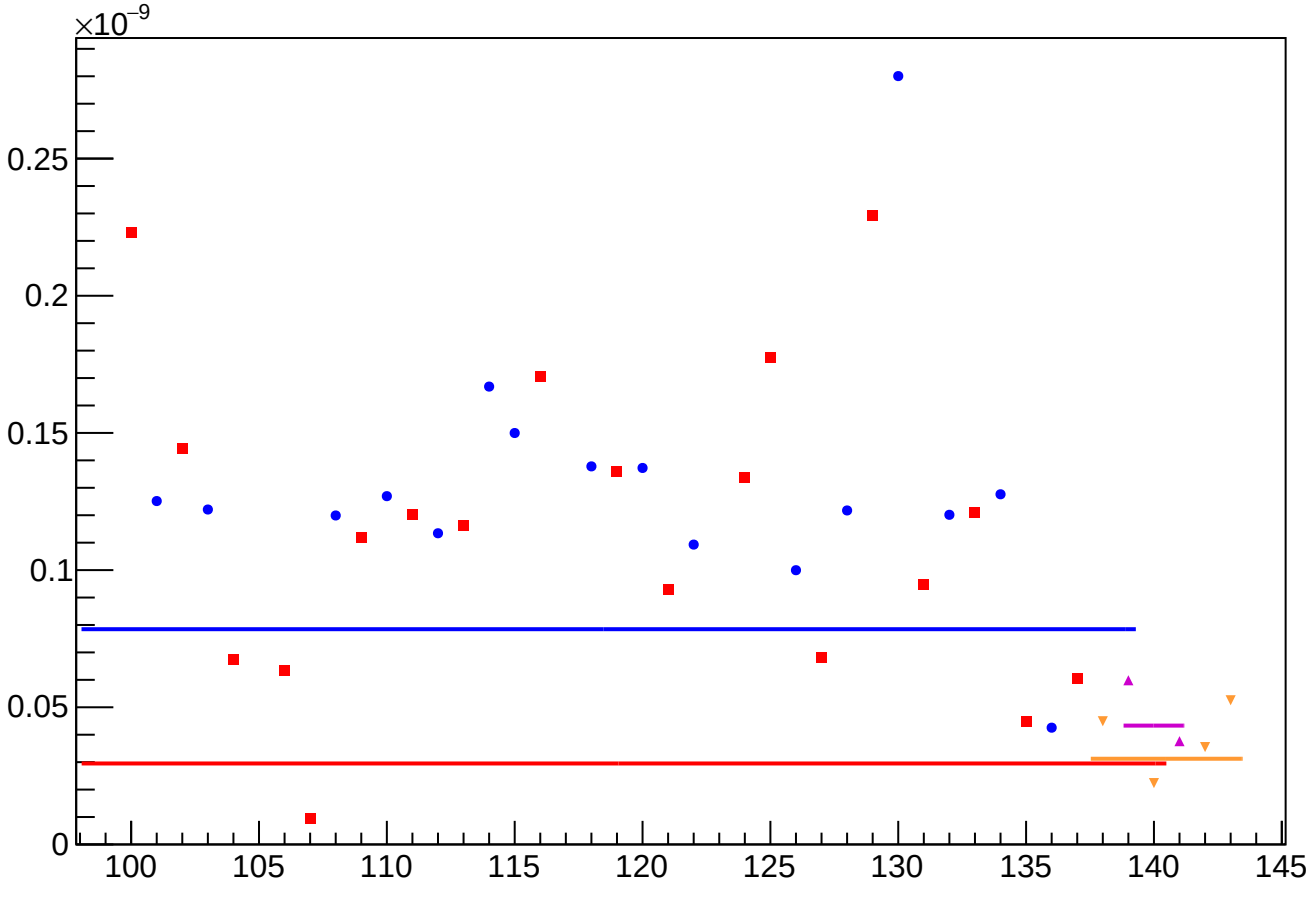
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 14.2/19

All: -0.000+/-0.000 χ^2/NDF: 34.8/40

- sign 0.000+/-0.000 χ^2/NDF: 20.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:420574.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

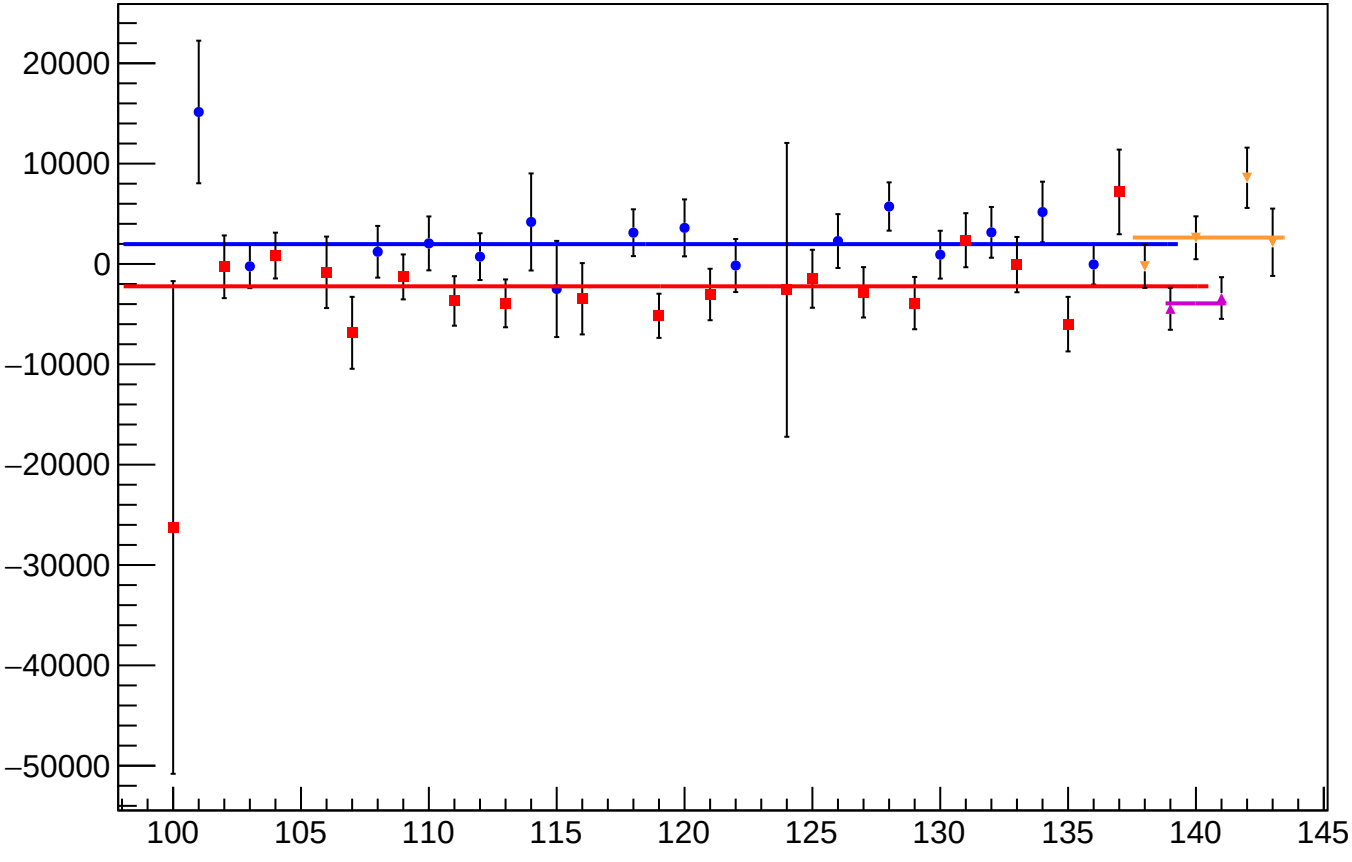
Left In: 0.000+/-0.000 χ^2/NDF:98448.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 4351171.9/19

All: 0.000+/-0.000 χ^2/NDF: 10374754.1/40

- sign 0.000+/-0.000 χ^2/NDF: 5742526.7/20

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.498+/-1256.859 χ^2/NDF:5.7/3

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

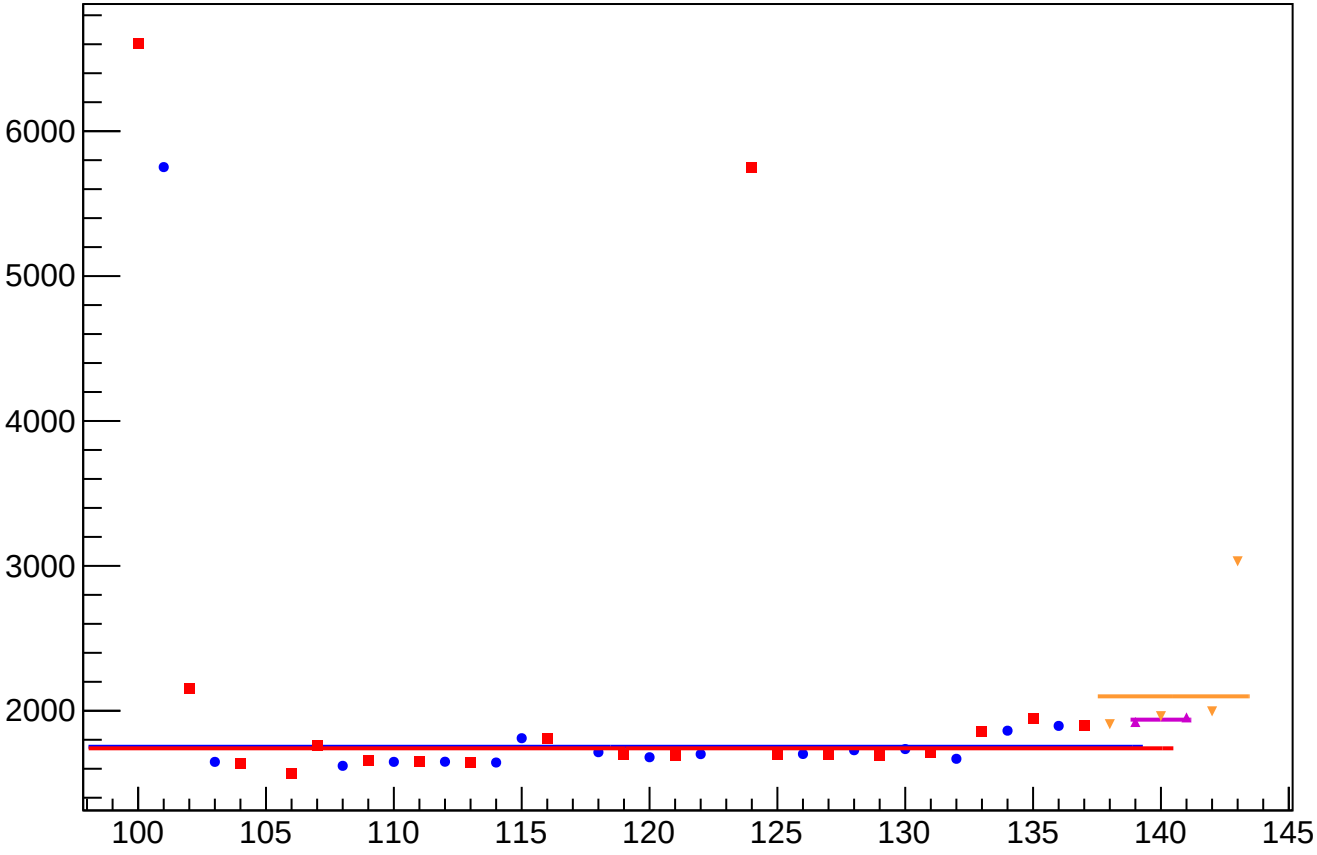
Left In: -3927.864+/-1473.880 χ^2/NDF:0.1/1

+ sign 2120.734+/-589.664 χ^2/NDF: 18.0/19

All: -155.083+/-420.402 χ^2/NDF: 68.5/40

- sign -2507.742+/-599.536 χ^2/NDF: 20.2/20

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

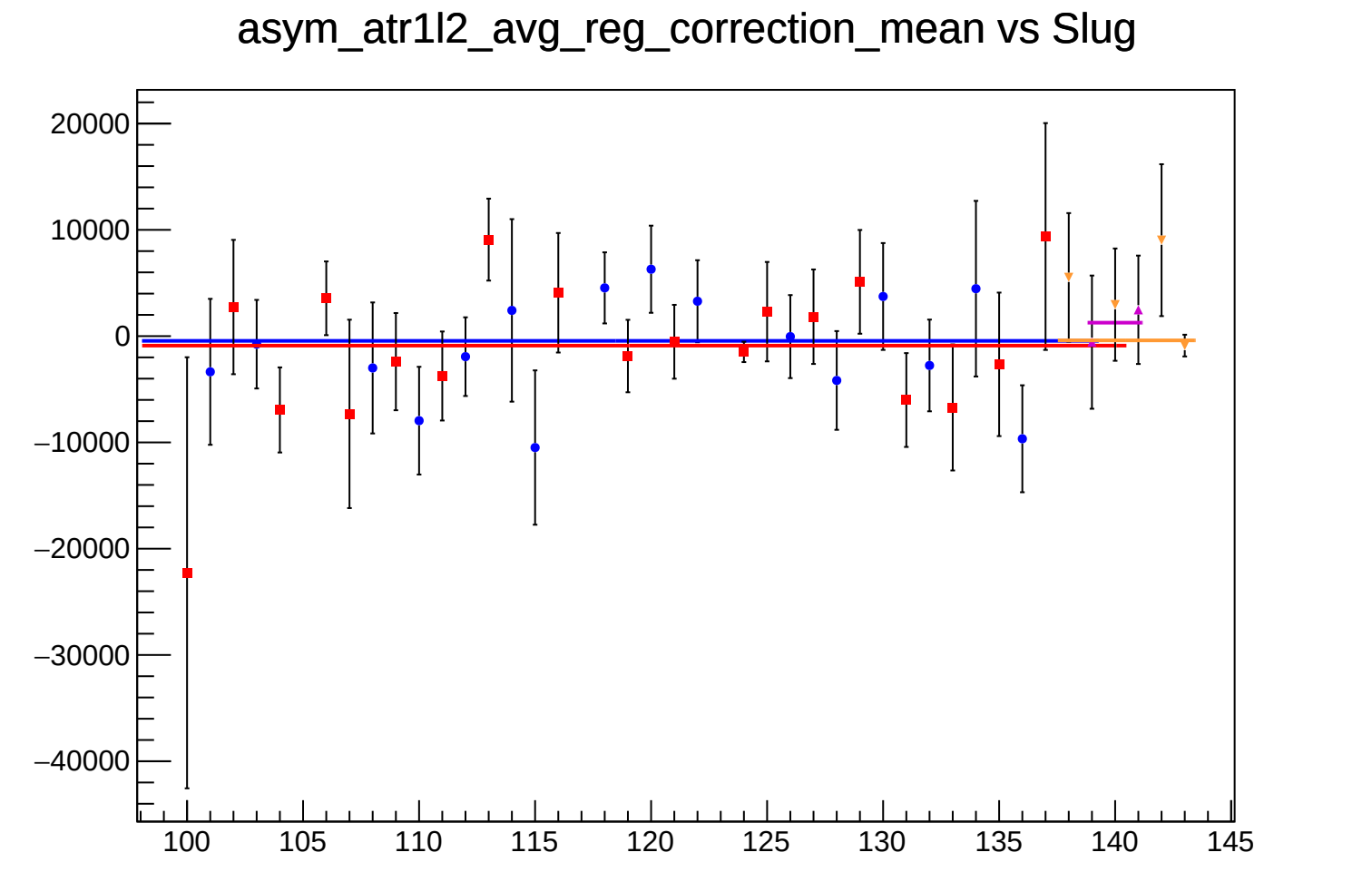
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1938.811+/-1.042 χ^2/NDF:232.7/1

+ sign 1828.217+/-0.417 χ^2/NDF: 970969.7/19

All: 1801.081+/-0.296 χ^2/NDF: 1314539.3/40

- sign 1773.373+/-0.421 χ^2/NDF: 335009.4/20



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -400.099+/-980.853 χ^2/NDF:3.3/3

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

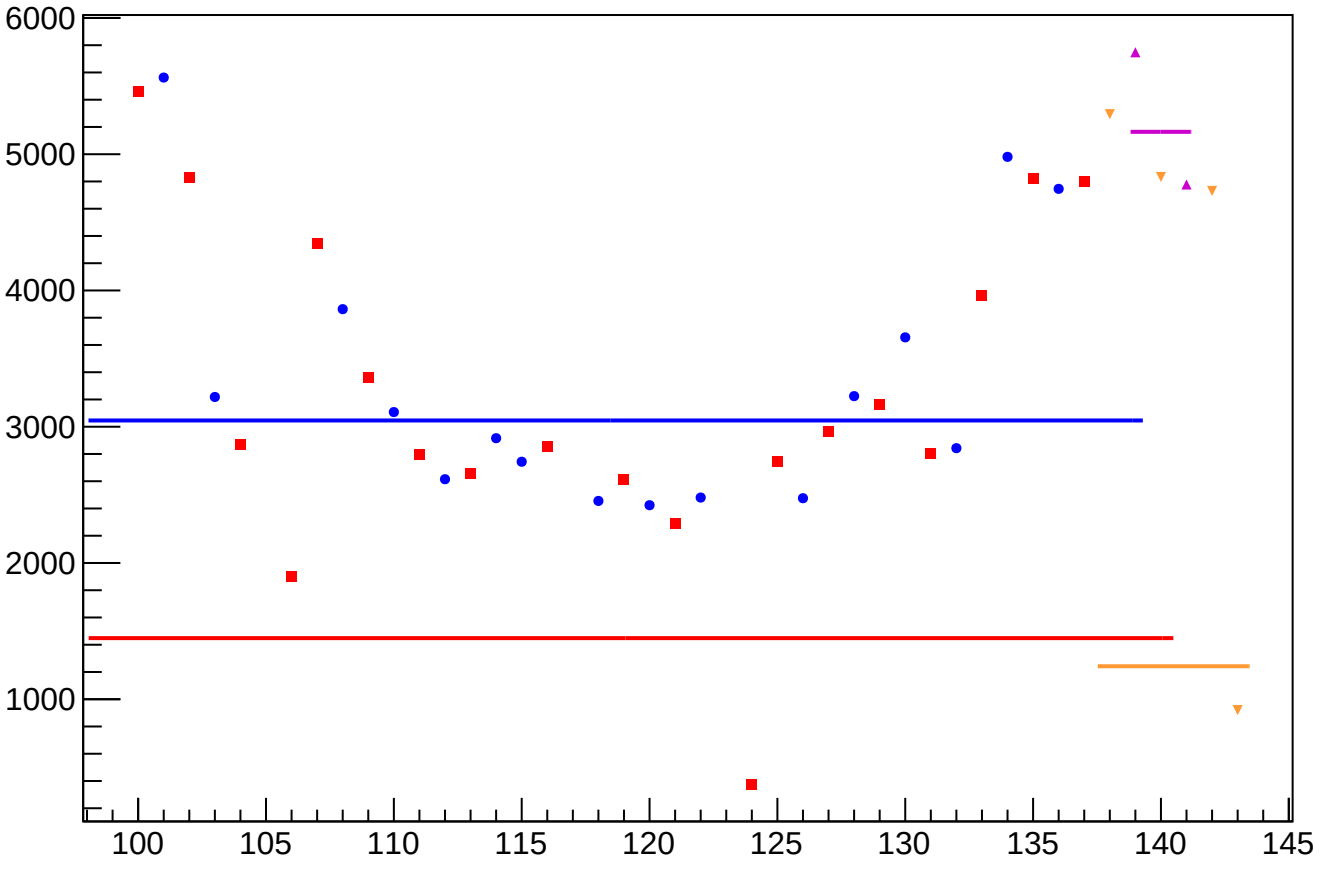
Left In: 1265.437+/-3955.222 χ^2/NDF:0.1/1

+ sign -418.250+/-752.835 χ^2/NDF: 19.3/19

All: -630.836+/-517.991 χ^2/NDF: 39.9/40

- sign -821.959+/-713.820 χ^2/NDF: 20.5/20

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1242.089+/-0.694 χ^2/NDF:2496696.8/3

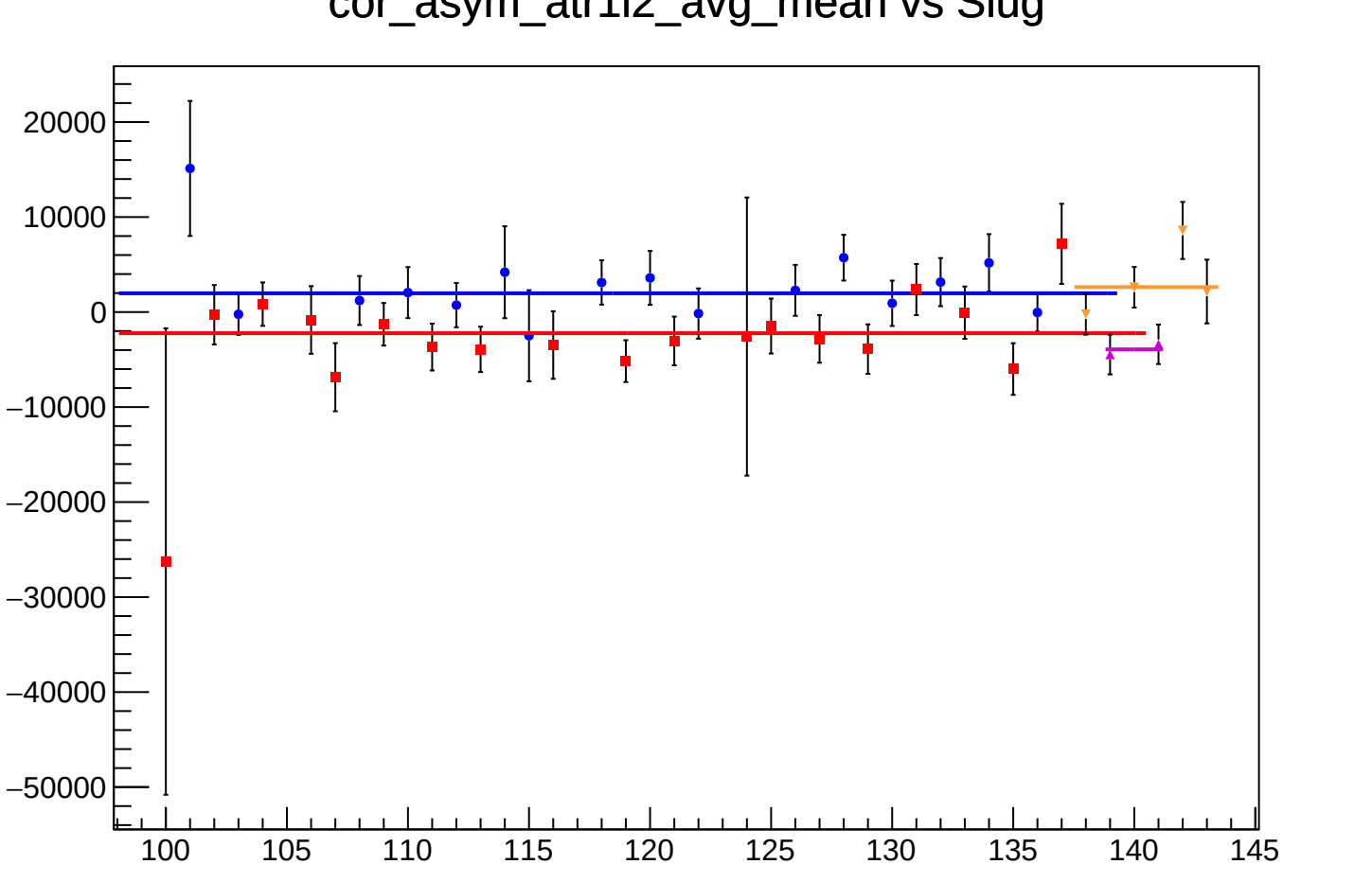
Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5164.333+/-2.797 χ^2/NDF:28842.3/1

+ sign 1983.275+/-0.532 χ^2/NDF: 6183439.3/19

All: 1765.414+/-0.366 χ^2/NDF: 15024992.0/4

- sign 1569.548+/-0.505 χ^2/NDF: 8523481.4/20



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.741+/-1256.859 χ^2/NDF:5.7/3

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

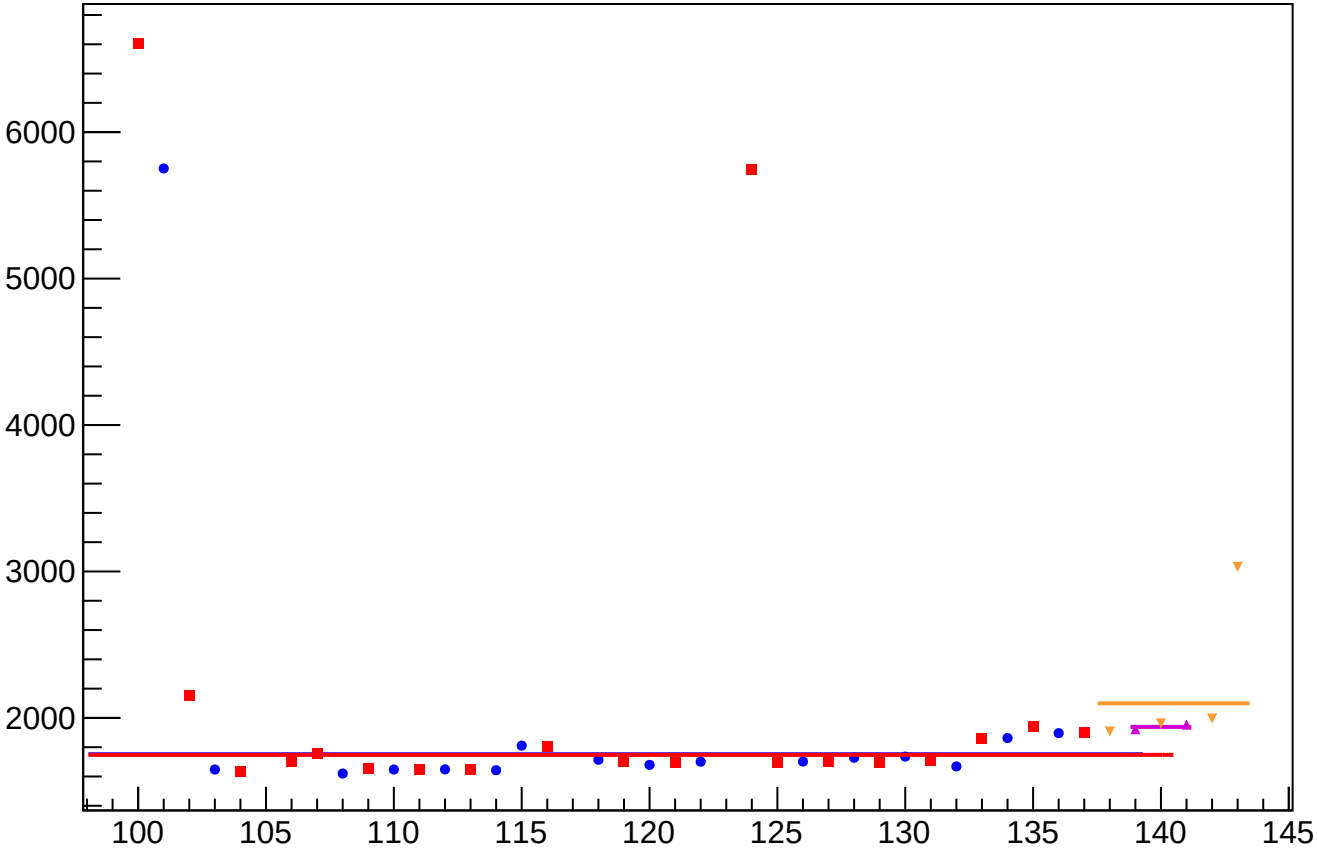
Left In: -3928.008+/-1473.880 χ^2/NDF:0.1/1

+ sign 2120.512+/-589.664 χ^2/NDF: 18.0/19

All: -155.247+/-420.402 χ^2/NDF: 68.5/40

- sign -2507.846+/-599.536 χ^2/NDF: 20.2/20

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

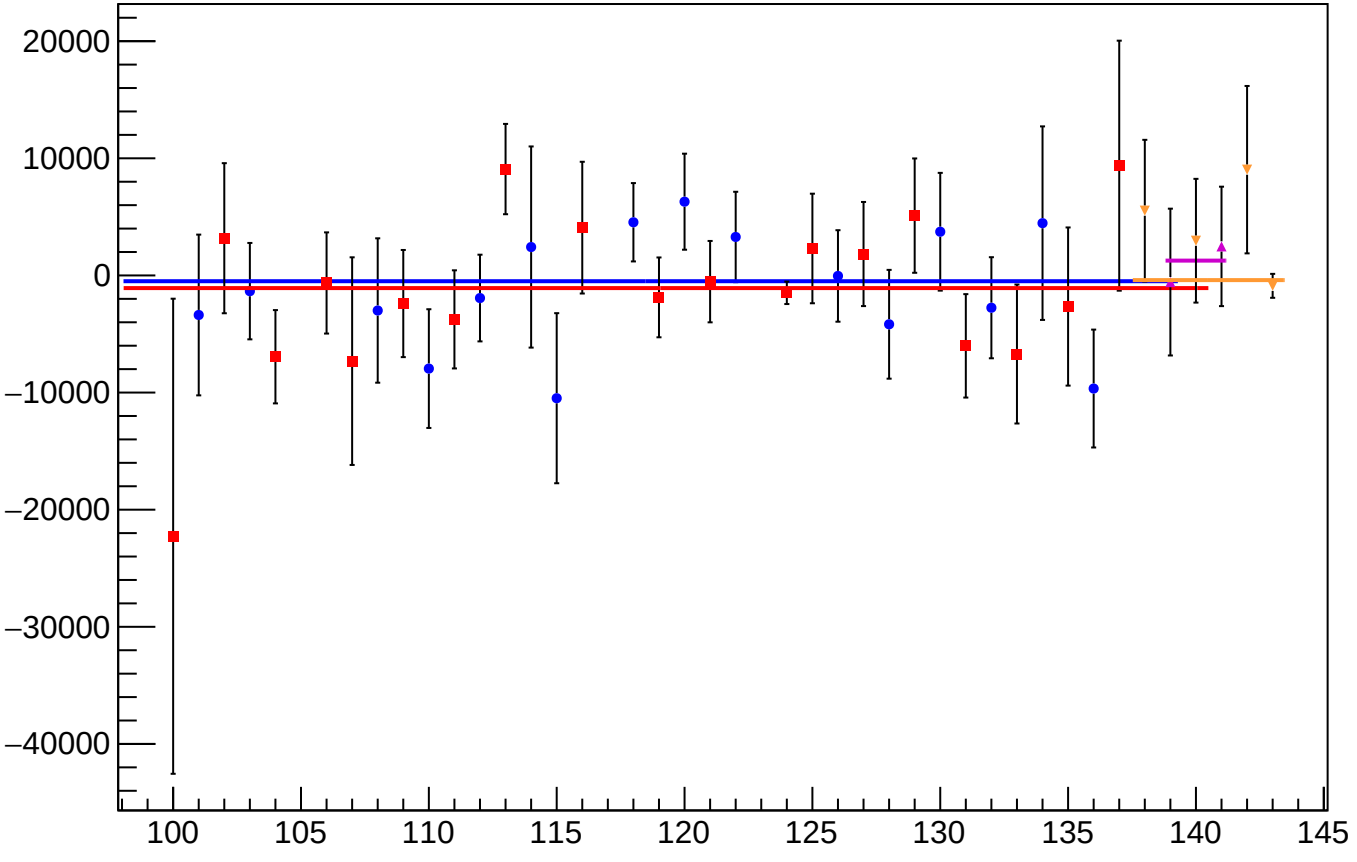
Left In: 1938.811+/-1.042 χ^2/NDF:232.7/1

+ sign 1828.216+/-0.417 χ^2/NDF: 970970.1/19

All: 1804.037+/-0.297 χ^2/NDF: 1304009.9/40

- sign 1779.197+/-0.423 χ^2/NDF: 326222.0/20

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -399.840+/-980.816 χ^2/NDF:3.3/3

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

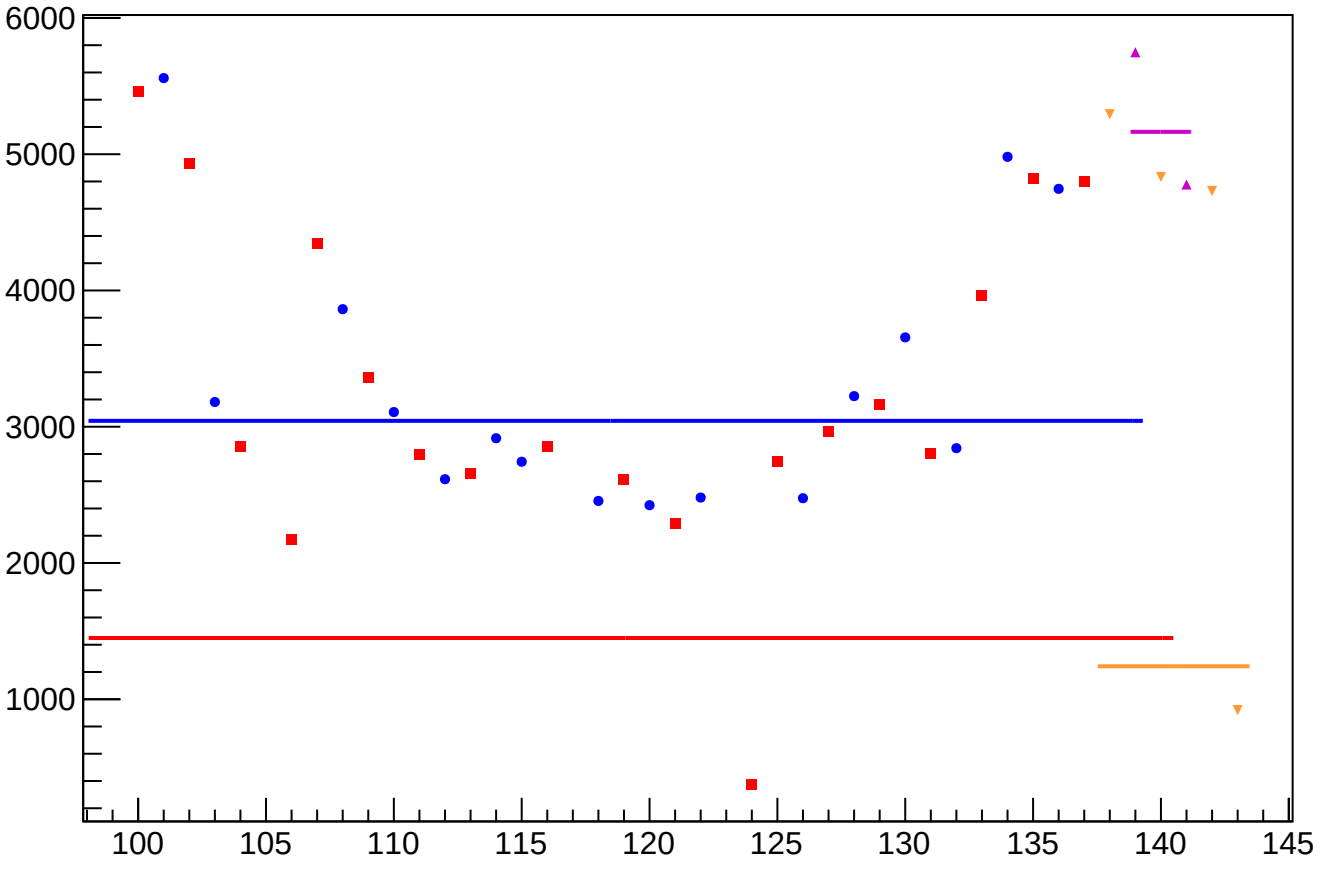
Left In: 1265.611+/-3955.219 χ^2/NDF:0.1/1

+ sign -438.129+/-752.500 χ^2/NDF: 19.3/19

All: -733.485+/-519.948 χ^2/NDF: 38.6/40

- sign -1003.325+/-719.262 χ^2/NDF: 18.9/20

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1242.030+/-0.694 χ^2/NDF:2496757.6/3

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

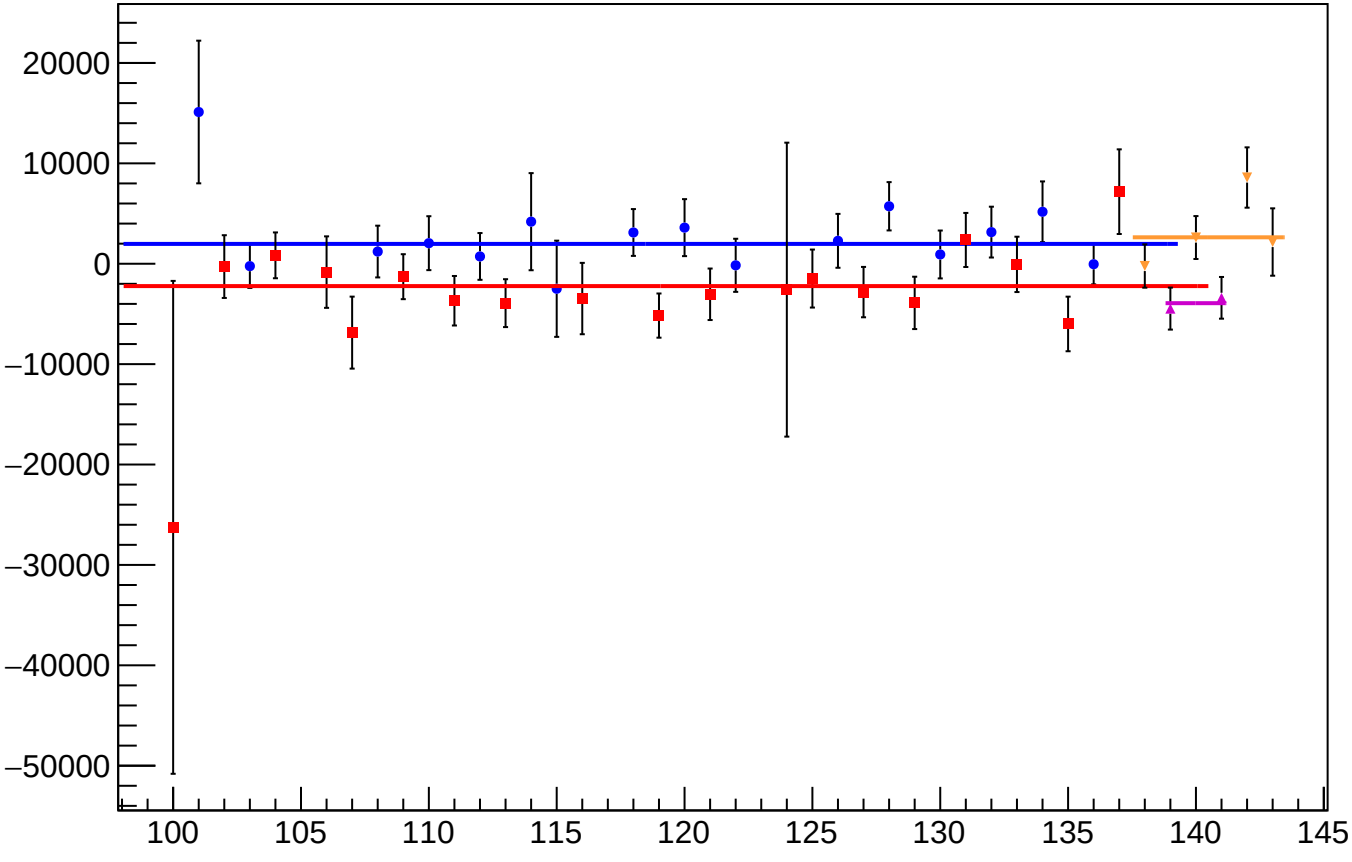
Left In: 5164.327+/-2.797 χ^2/NDF:28843.4/1

+ sign 1983.018+/-0.532 χ^2/NDF: 6177254.9/19

All: 1768.422+/-0.368 χ^2/NDF: 15048984.7/4

- sign 1572.364+/-0.509 χ^2/NDF: 8560475.1/20

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.741+/-1256.859 χ^2/NDF:5.7/3

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

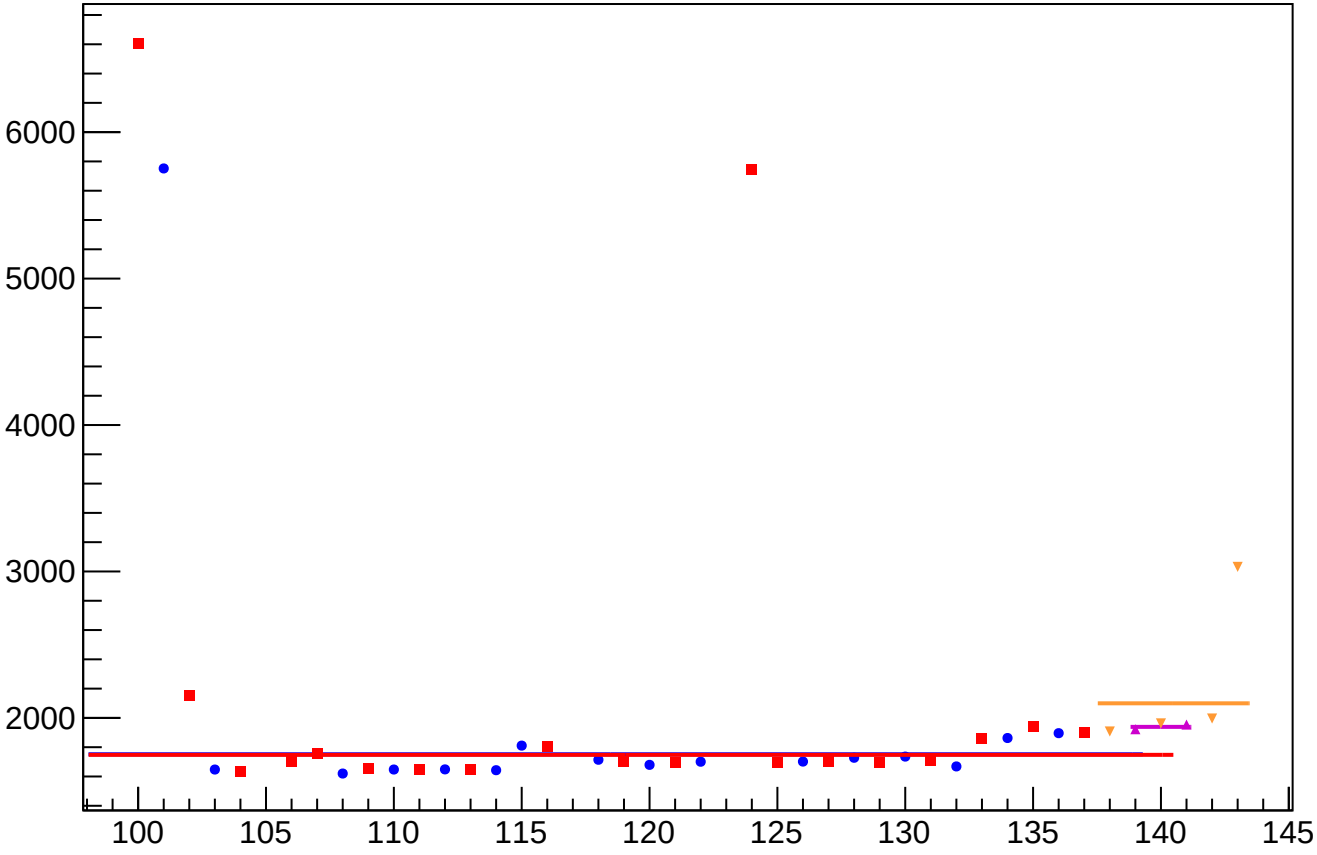
Left In: -3928.008+/-1473.880 χ^2/NDF:0.1/1

+ sign 2120.512+/-589.664 χ^2/NDF: 18.0/19

All: -155.247+/-420.402 χ^2/NDF: 68.5/40

- sign -2507.846+/-599.536 χ^2/NDF: 20.2/20

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

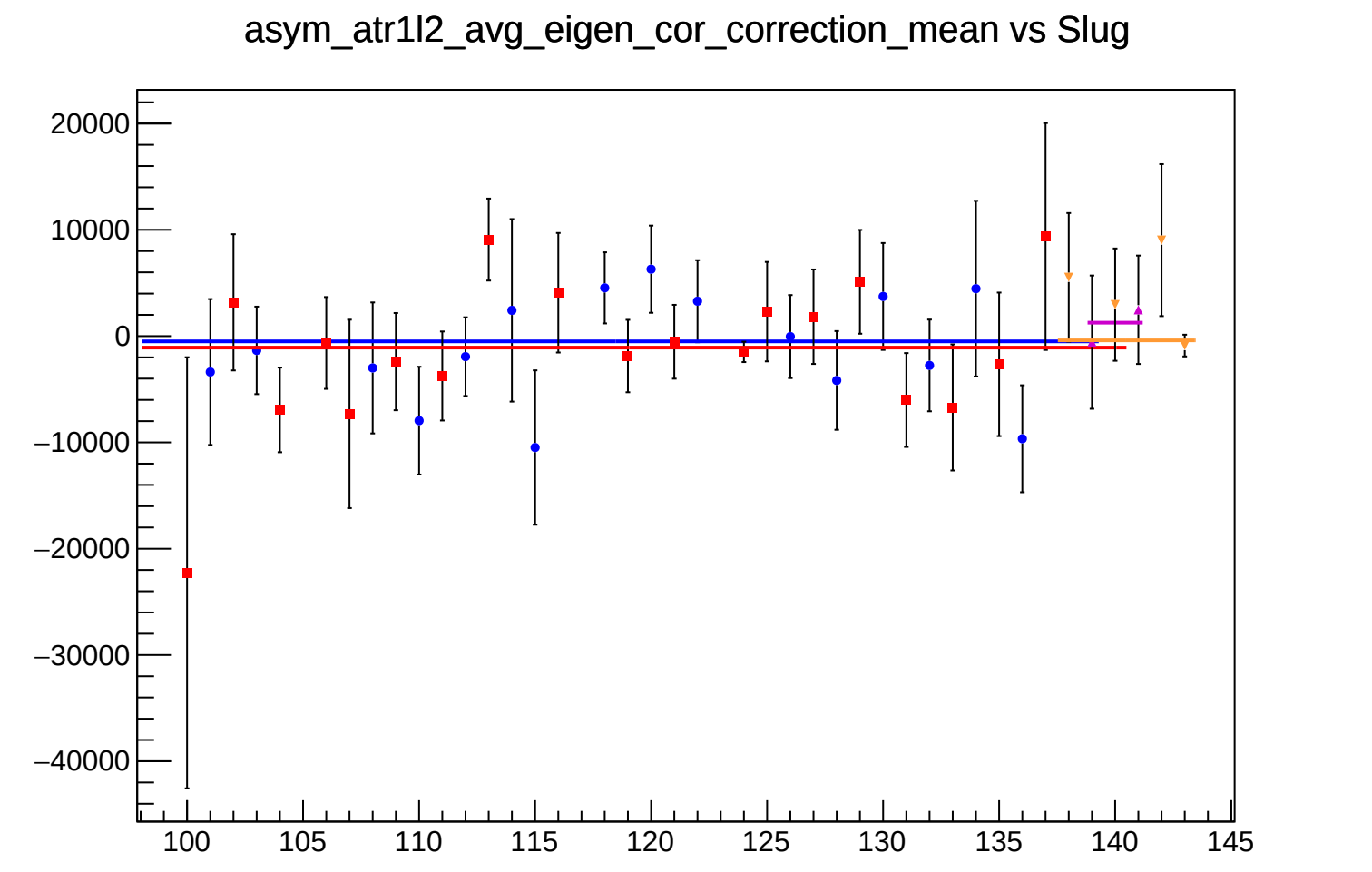
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1938.811+/-1.042 χ^2/NDF:232.7/1

+ sign 1828.216+/-0.417 χ^2/NDF: 970970.1/19

All: 1804.037+/-0.297 χ^2/NDF: 1304009.9/40

- sign 1779.197+/-0.423 χ^2/NDF: 326222.0/20



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -399.840+/-980.816 χ^2/NDF:3.3/3

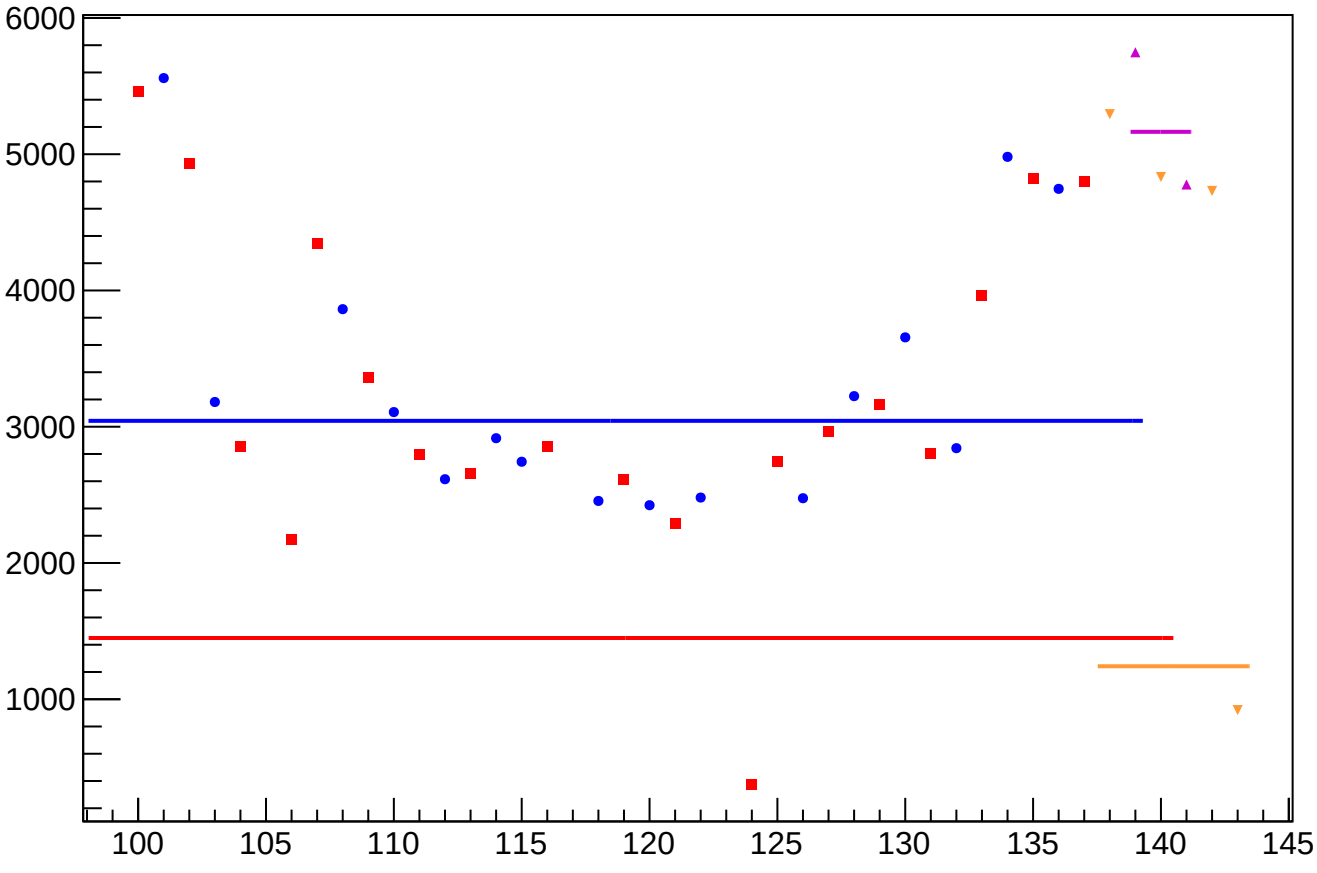
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1265.611+/-3955.219 χ^2/NDF:0.1/1

+ sign -438.129+/-752.500 χ^2/NDF: 19.3/19

All: -733.485+/-519.948 χ^2/NDF: 38.6/40

- sign -1003.325+/-719.262 χ^2/NDF: 18.9/20



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1242.030+/-0.694 χ^2/NDF:2496757.6/3

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

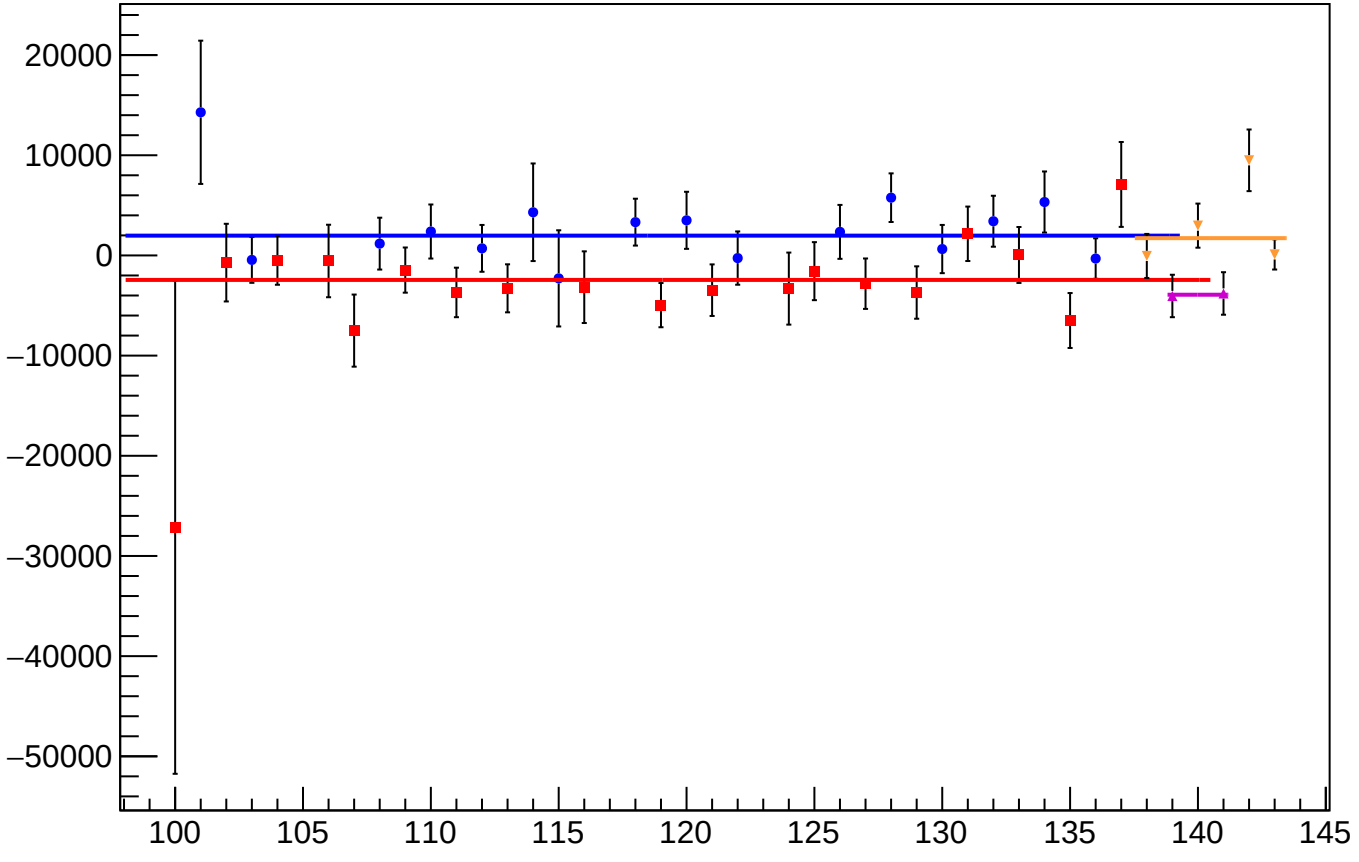
Left In: 5164.327+/-2.797 χ^2/NDF:28843.4/1

+ sign 1983.018+/-0.532 χ^2/NDF: 6177254.9/19

All: 1768.422+/-0.368 χ^2/NDF: 15048984.7/4

- sign 1572.364+/-0.509 χ^2/NDF: 8560475.1/20

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1725.007+/-1021.743 χ^2/NDF:8.5/3

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

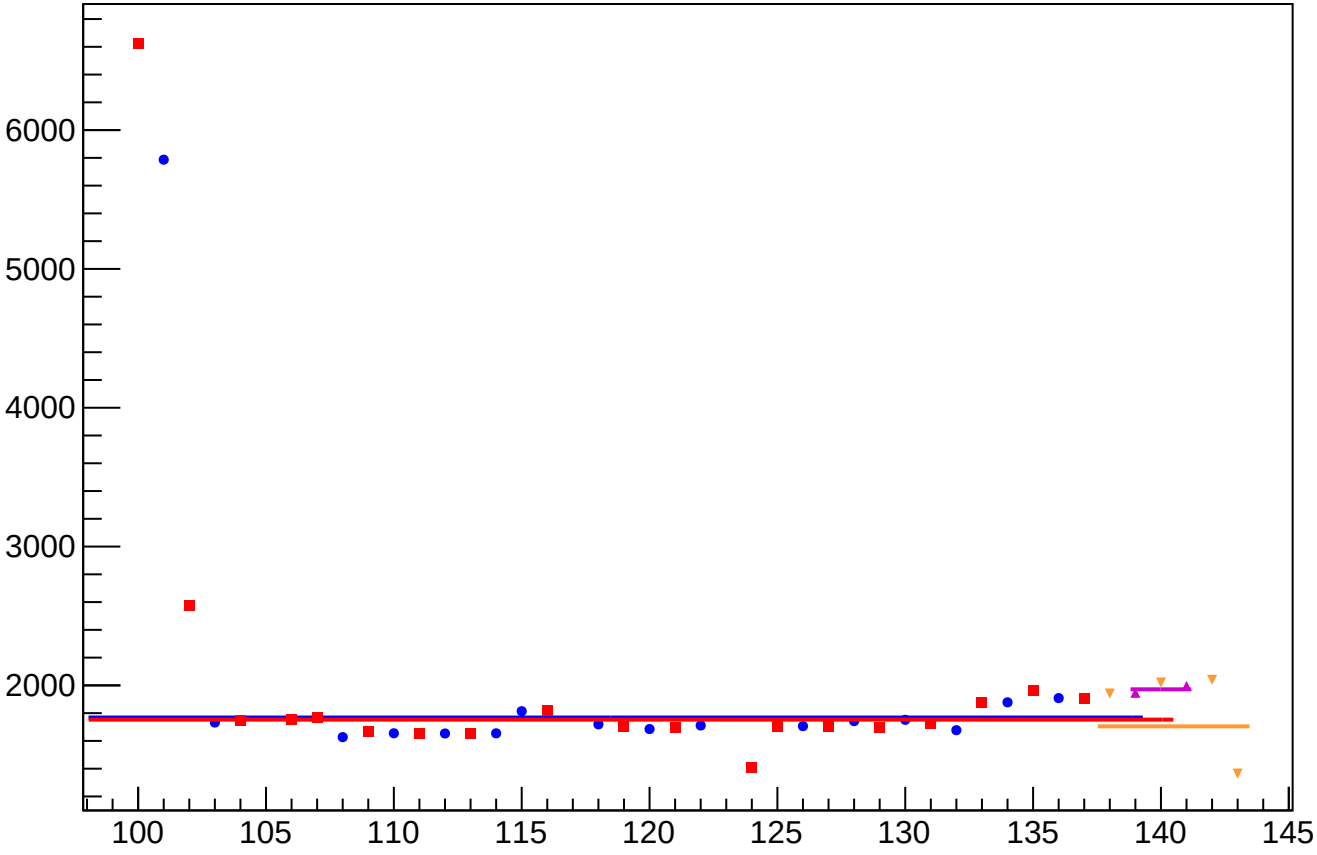
Left In: -3922.599+/-1499.115 χ^2/NDF:0.0/1

+ sign 1899.747+/-562.666 χ^2/NDF: 21.0/19

All: -235.915+/-411.154 χ^2/NDF: 70.2/40

- sign -2682.819+/-602.272 χ^2/NDF: 18.3/20

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1705.010+/-0.722 χ^2/NDF:189805.6/3

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

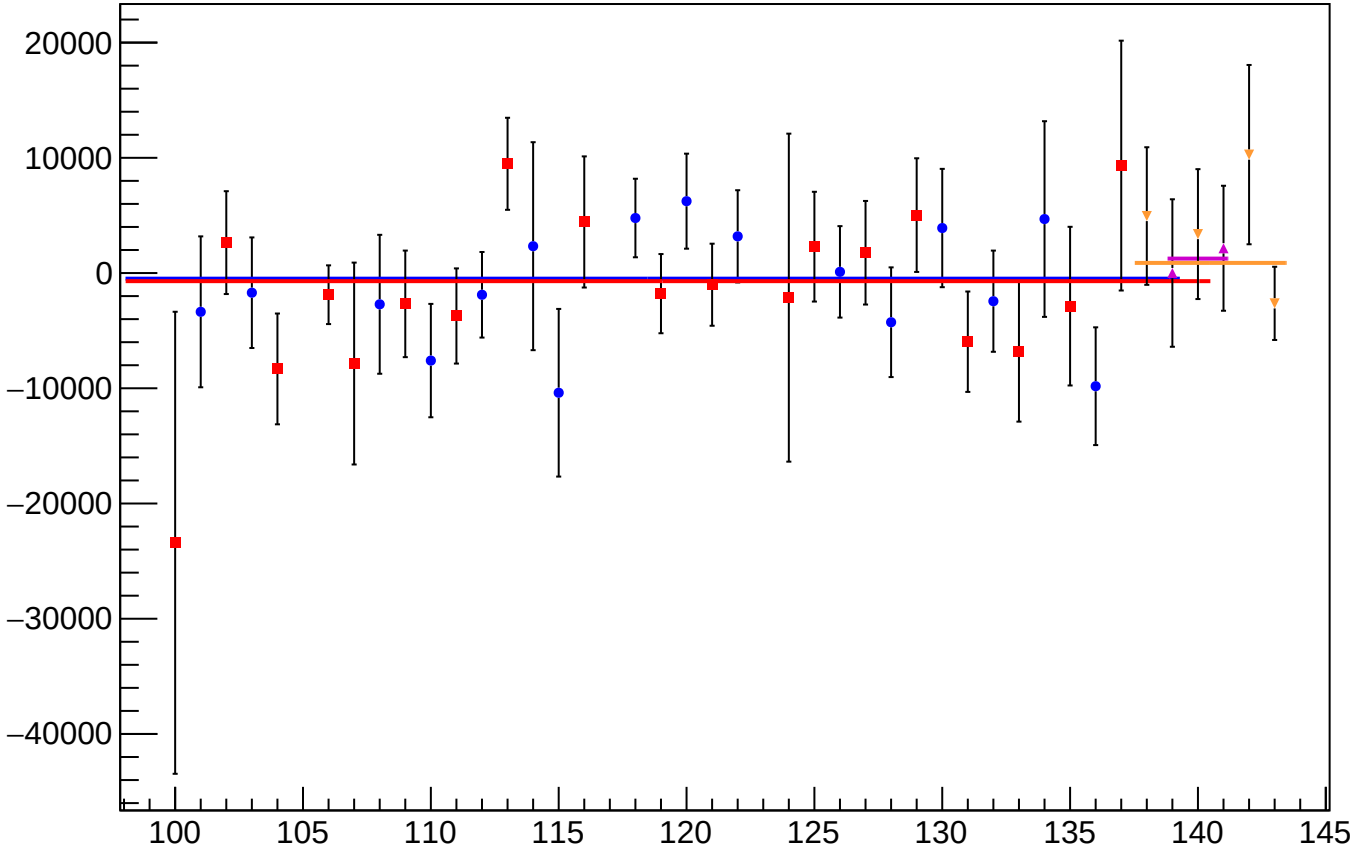
Left In: 1971.699+/-1.060 χ^2/NDF:548.8/1

+ sign 1749.232+/-0.398 χ^2/NDF: 862550.2/19

All: 1767.559+/-0.290 χ^2/NDF: 1122105.8/40

- sign 1788.463+/-0.425 χ^2/NDF: 255013.7/20

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 880.468+/-2389.390 χ^2/NDF:3.3/3

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

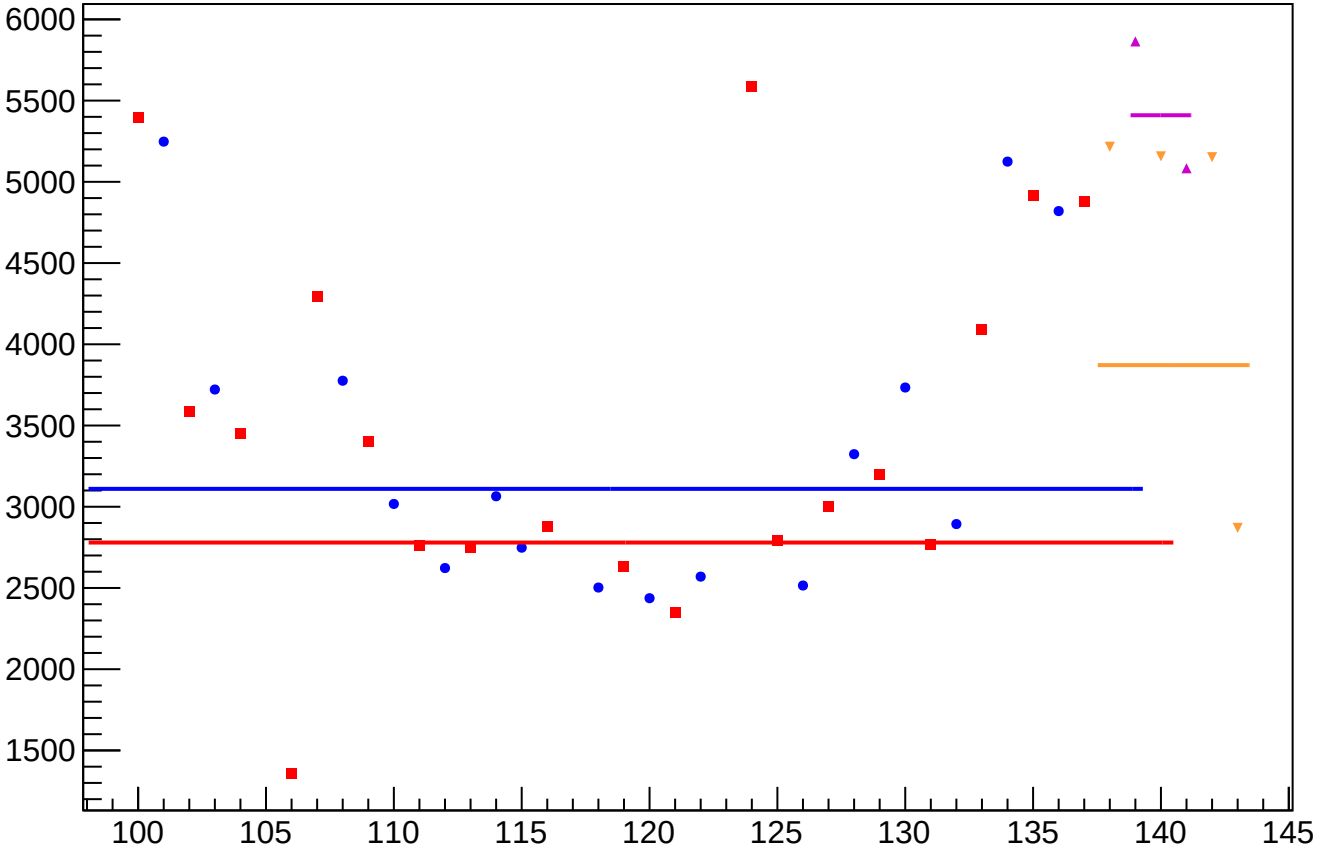
Left In: 1253.414+/-4137.760 χ^2/NDF:0.1/1

\+ sign -212.993+/-1071.292 χ^2/NDF: 19.4/19

All: -403.149+/-744.519 χ^2/NDF: 38.5/40

\- sign -580.791+/-1035.440 χ^2/NDF: 19.1/20

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 3871.676+/-1.690 χ^2/NDF:458476.2/3

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

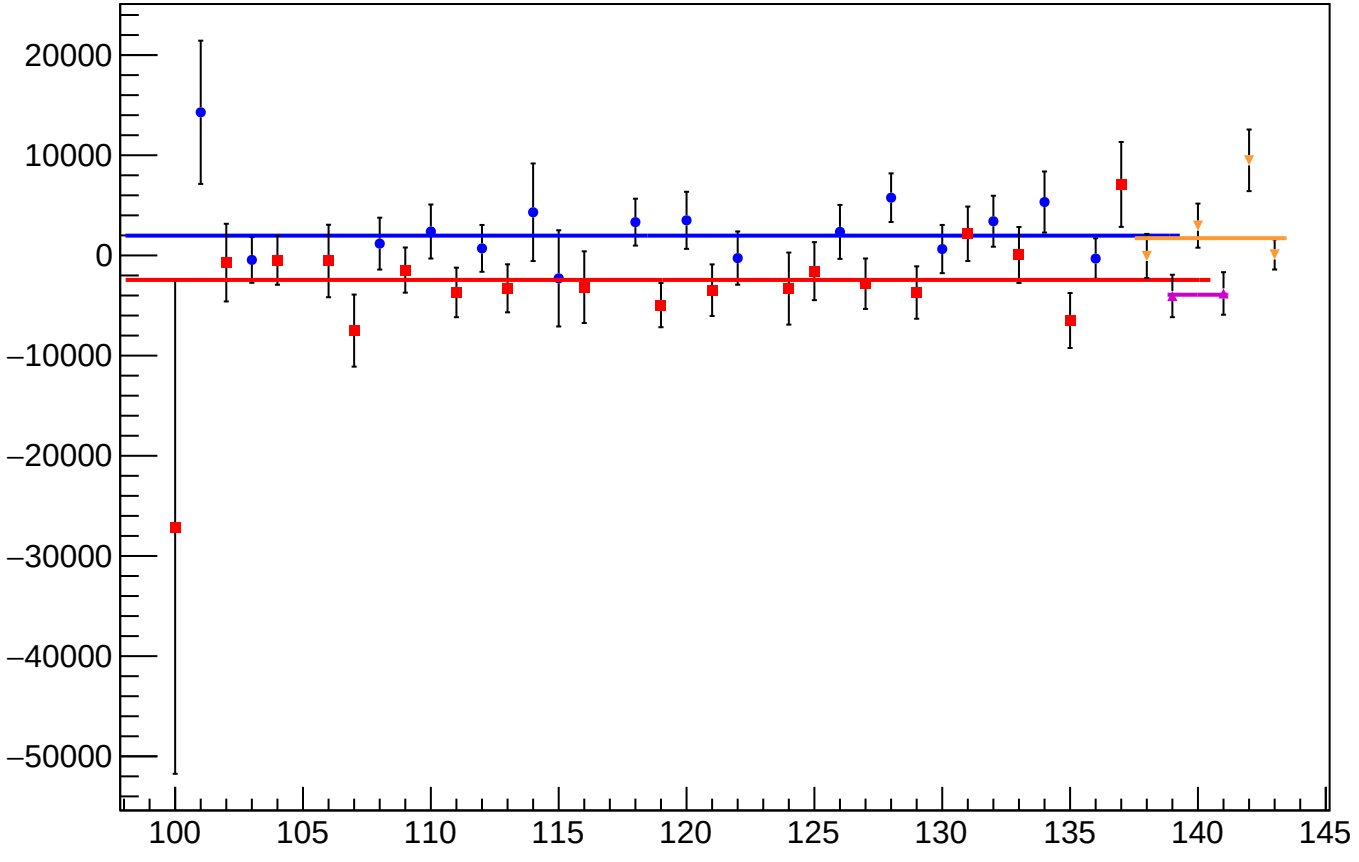
Left In: 5409.893+/-2.926 χ^2/NDF:17329.0/1

+ sign 3263.219+/-0.758 χ^2/NDF: 1504061.7/19

All: 3098.354+/-0.526 χ^2/NDF: 3718700.5/40

- sign 2944.340+/-0.732 χ^2/NDF: 2123023.5/20

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1725.012+/-1021.743 χ^2/NDF:8.5/3

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

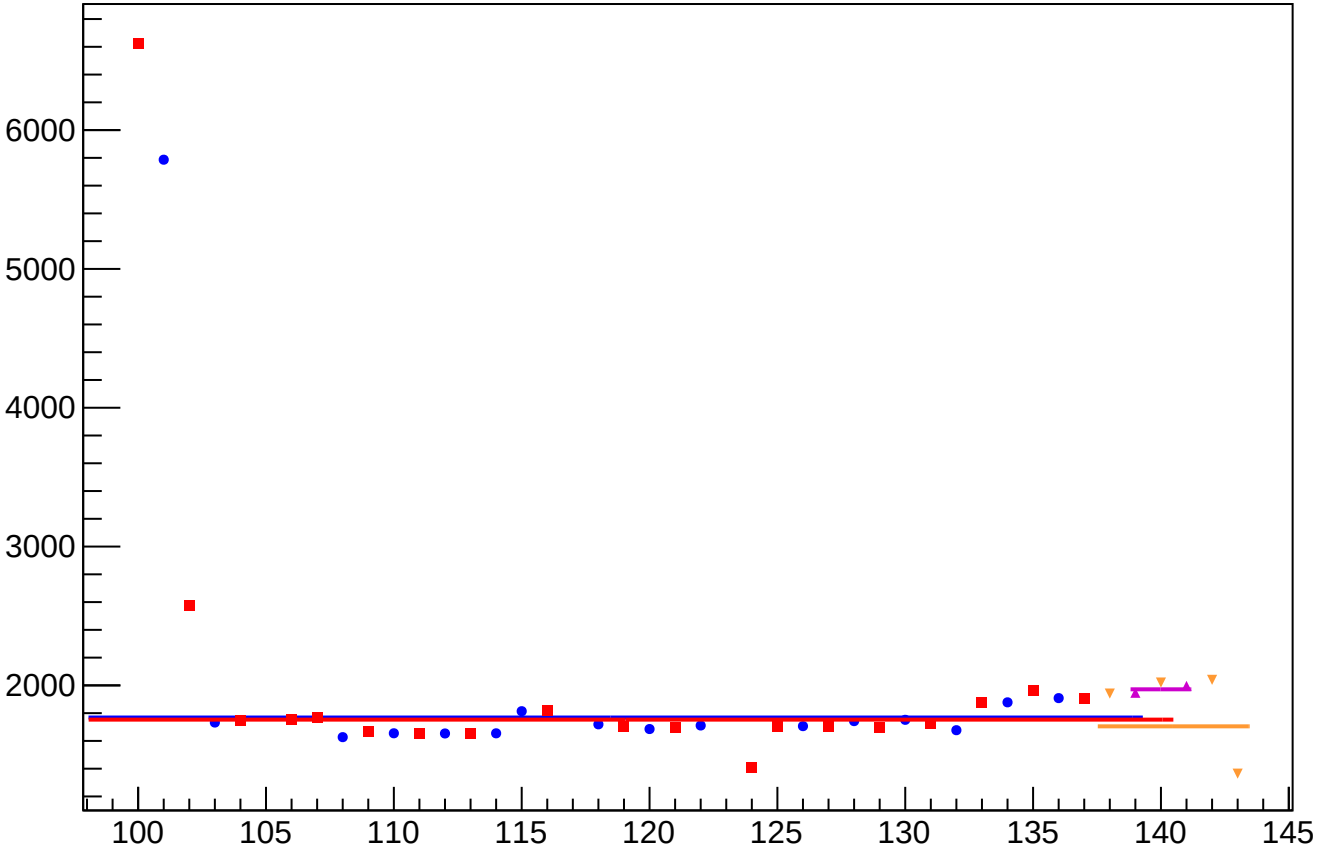
Left In: -3922.594+/-1499.116 χ^2/NDF:0.0/1

+ sign 1899.749+/-562.666 χ^2/NDF: 21.0/19

All: -235.914+/-411.154 χ^2/NDF: 70.2/40

- sign -2682.818+/-602.272 χ^2/NDF: 18.3/20

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1705.010+/-0.722 χ^2/NDF:189806.1/3

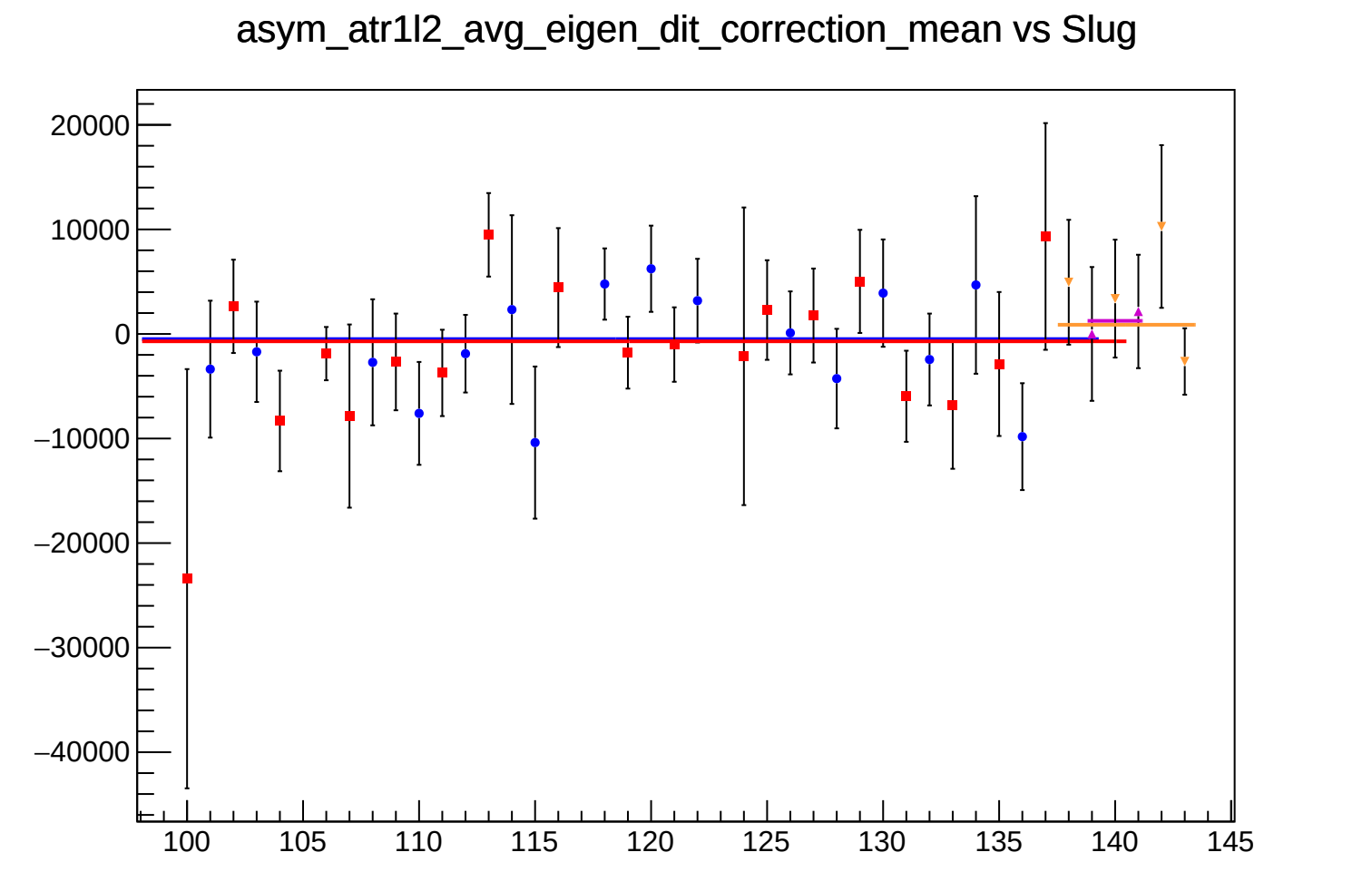
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1971.700+/-1.060 χ^2/NDF:548.8/1

+ sign 1749.232+/-0.398 χ^2/NDF: 862550.6/19

All: 1767.559+/-0.290 χ^2/NDF: 1122106.7/40

- sign 1788.463+/-0.425 χ^2/NDF: 255014.0/20



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 880.465+/-2389.392 χ^2/NDF:3.3/3

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

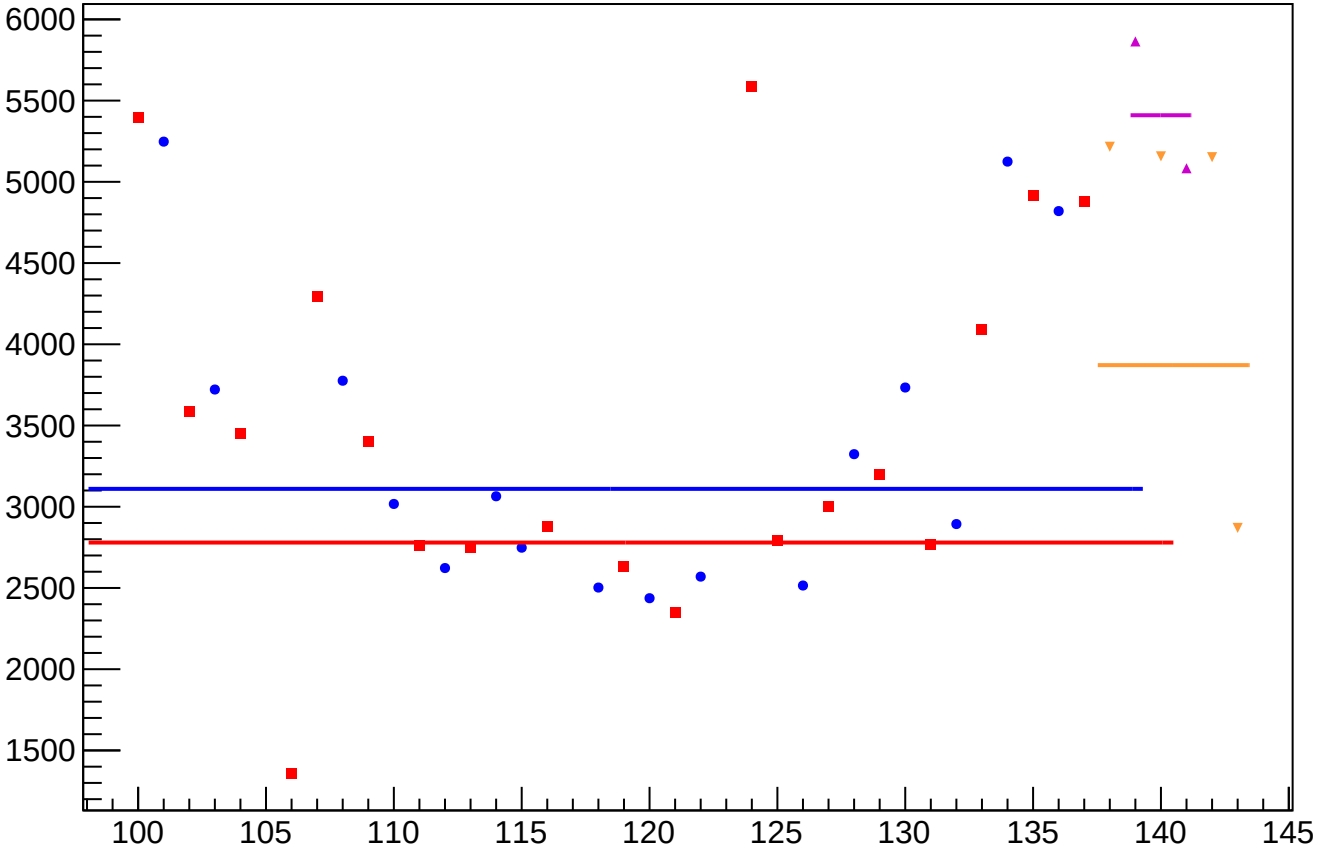
Left In: 1253.417+/-4137.769 χ^2/NDF:0.1/1

\+ sign -212.990+/-1071.289 χ^2/NDF: 19.4/19

All: -403.149+/-744.517 χ^2/NDF: 38.5/40

\- sign -580.794+/-1035.437 χ^2/NDF: 19.1/20

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 3871.679+/-1.690 χ^2/NDF:458480.0/3

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

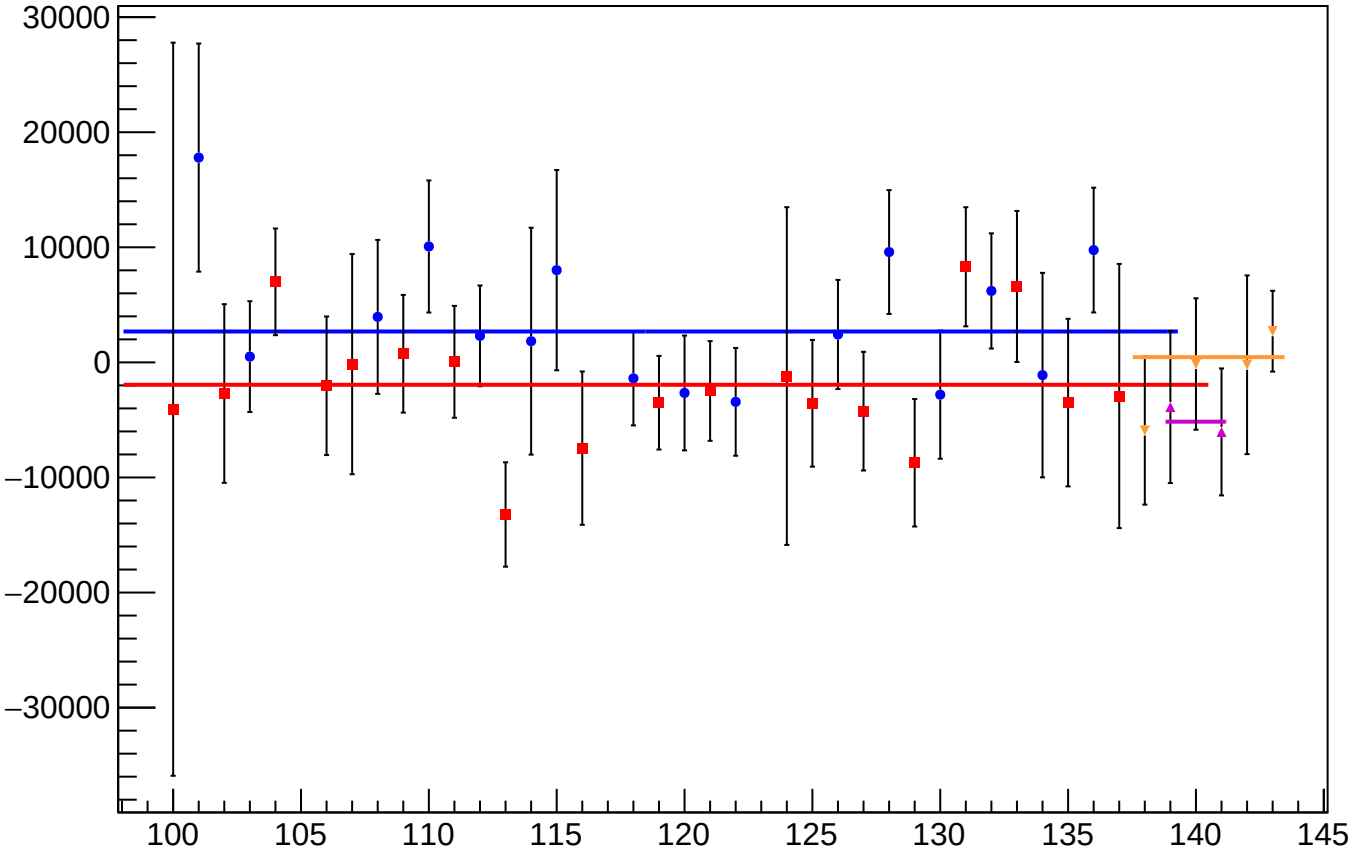
Left In: 5409.904+/-2.926 χ^2/NDF:17329.4/1

+ sign 3263.209+/-0.758 χ^2/NDF: 1504081.3/19

All: 3098.343+/-0.526 χ^2/NDF: 3718753.7/40

- sign 2944.326+/-0.732 χ^2/NDF: 2123054.4/20

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 457.418+/-2561.299 χ^2/NDF:1.4/3

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

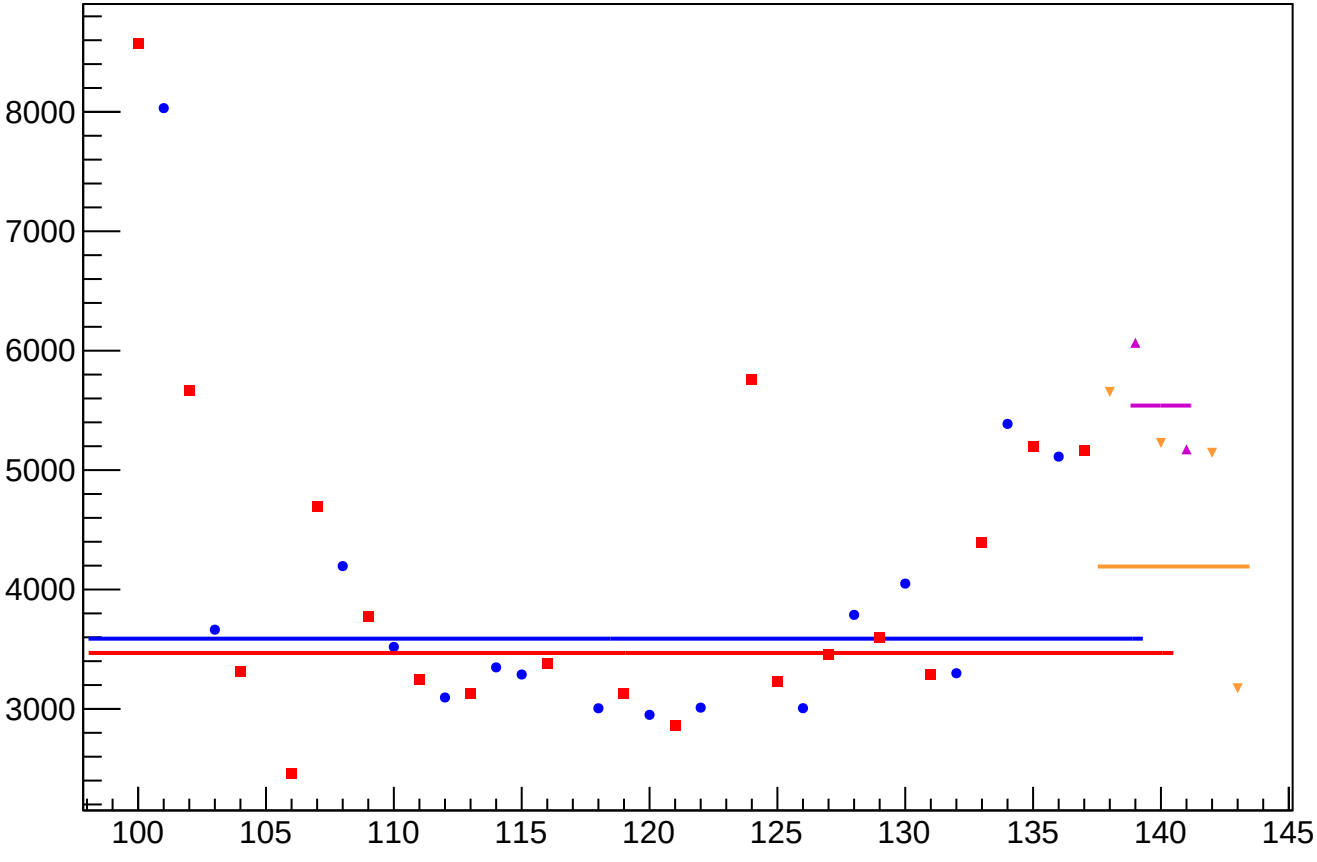
Left In: -5152.388+/-4235.628 χ^2/NDF:0.1/1

+ sign 2184.206+/-1214.820 χ^2/NDF: 15.5/19

All: 75.467+/-878.364 χ^2/NDF: 41.0/40

- sign -2234.660+/-1271.507 χ^2/NDF: 19.3/20

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4192.818+/-1.811 χ^2/NDF:367330.7/3

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

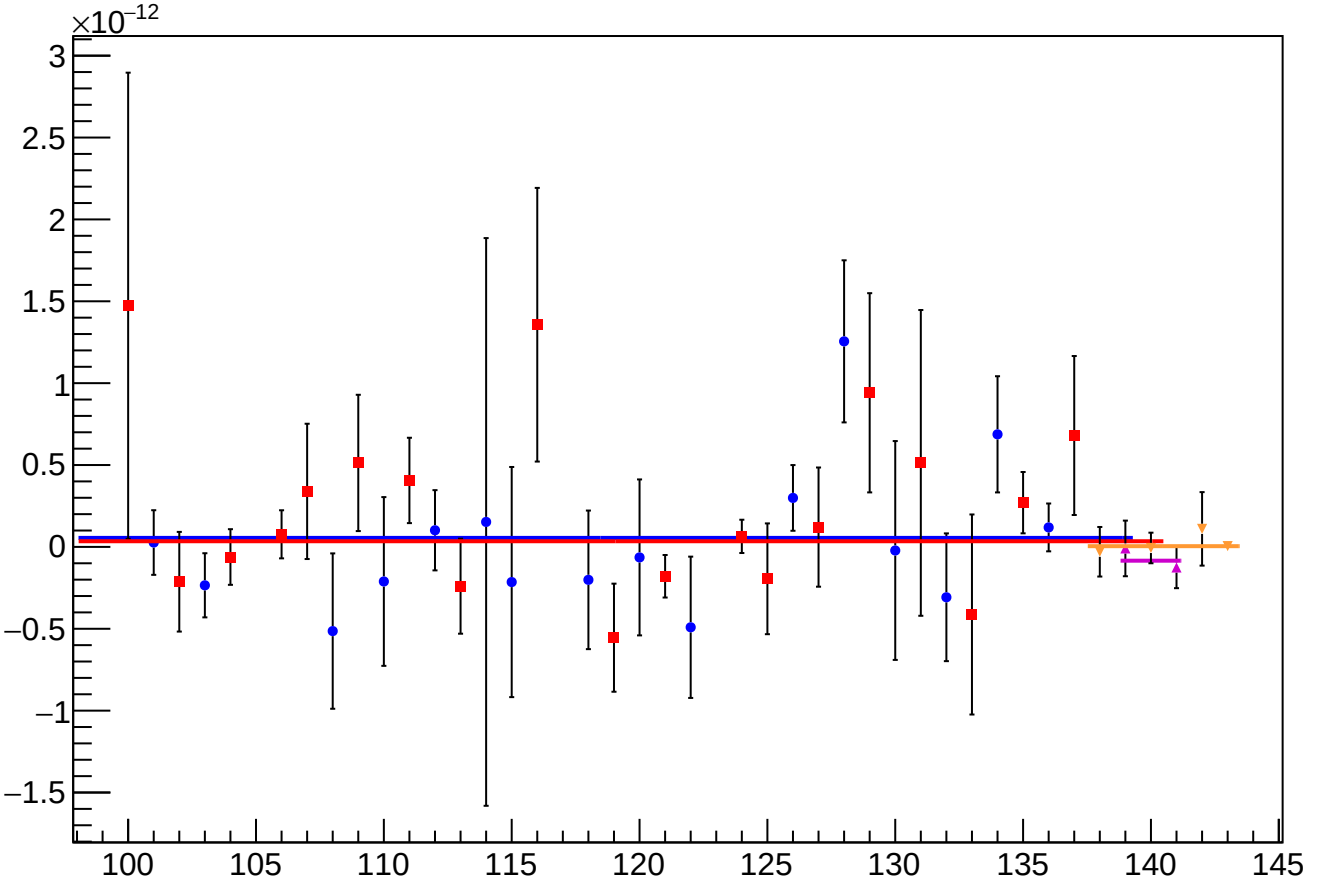
Left In: 5540.454+/-2.995 χ^2/NDF:21474.8/1

+ sign 3724.392+/-0.859 χ^2/NDF: 1298860.1/19

All: 3688.468+/-0.617 χ^2/NDF: 2427074.7/40

- sign 3650.194+/-0.887 χ^2/NDF: 1124602.3/20

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:0.3/3

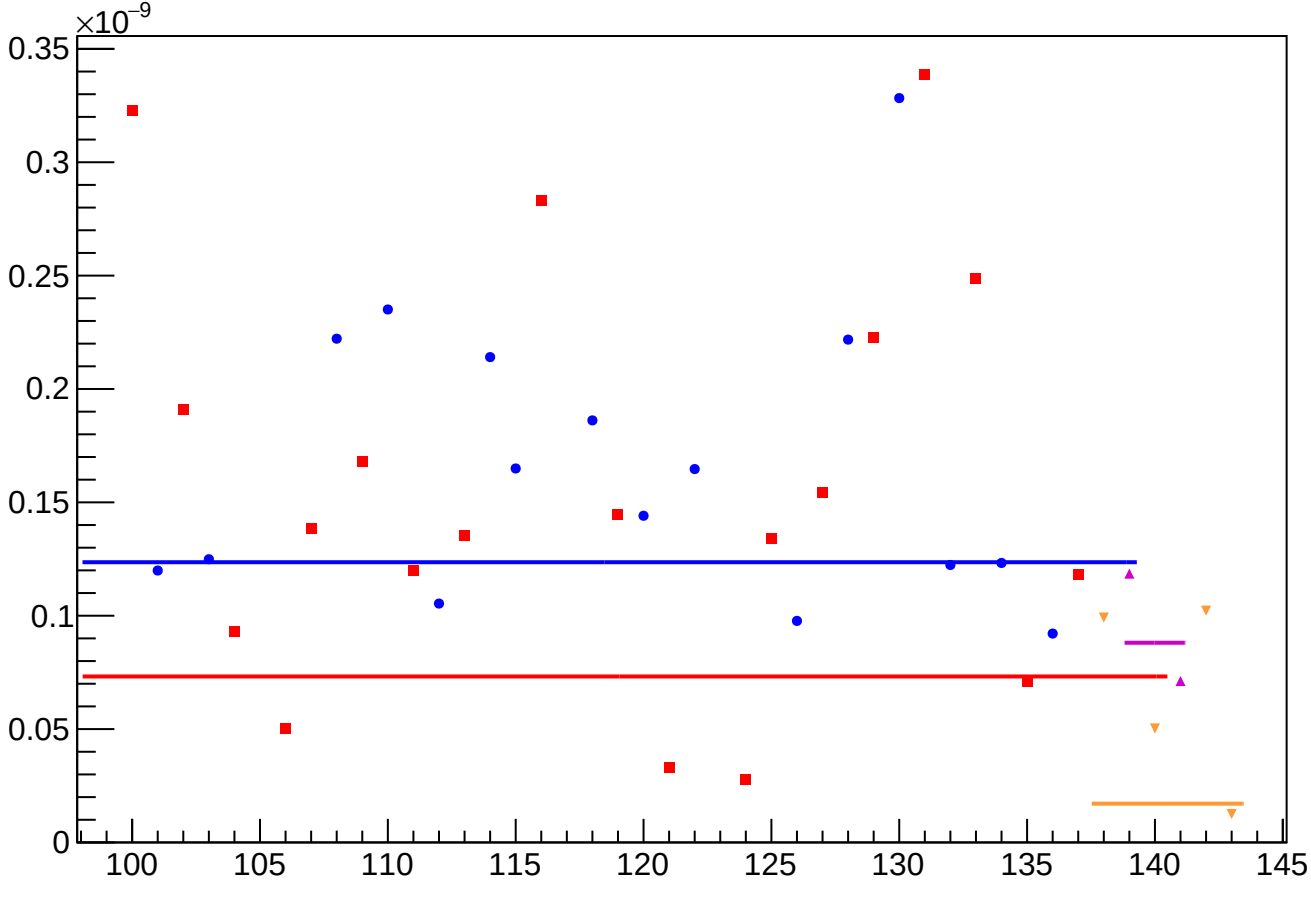
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.5/19

All: 0.000+/-0.000 χ^2/NDF: 42.1/40

- sign 0.000+/-0.000 χ^2/NDF: 23.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1211752.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

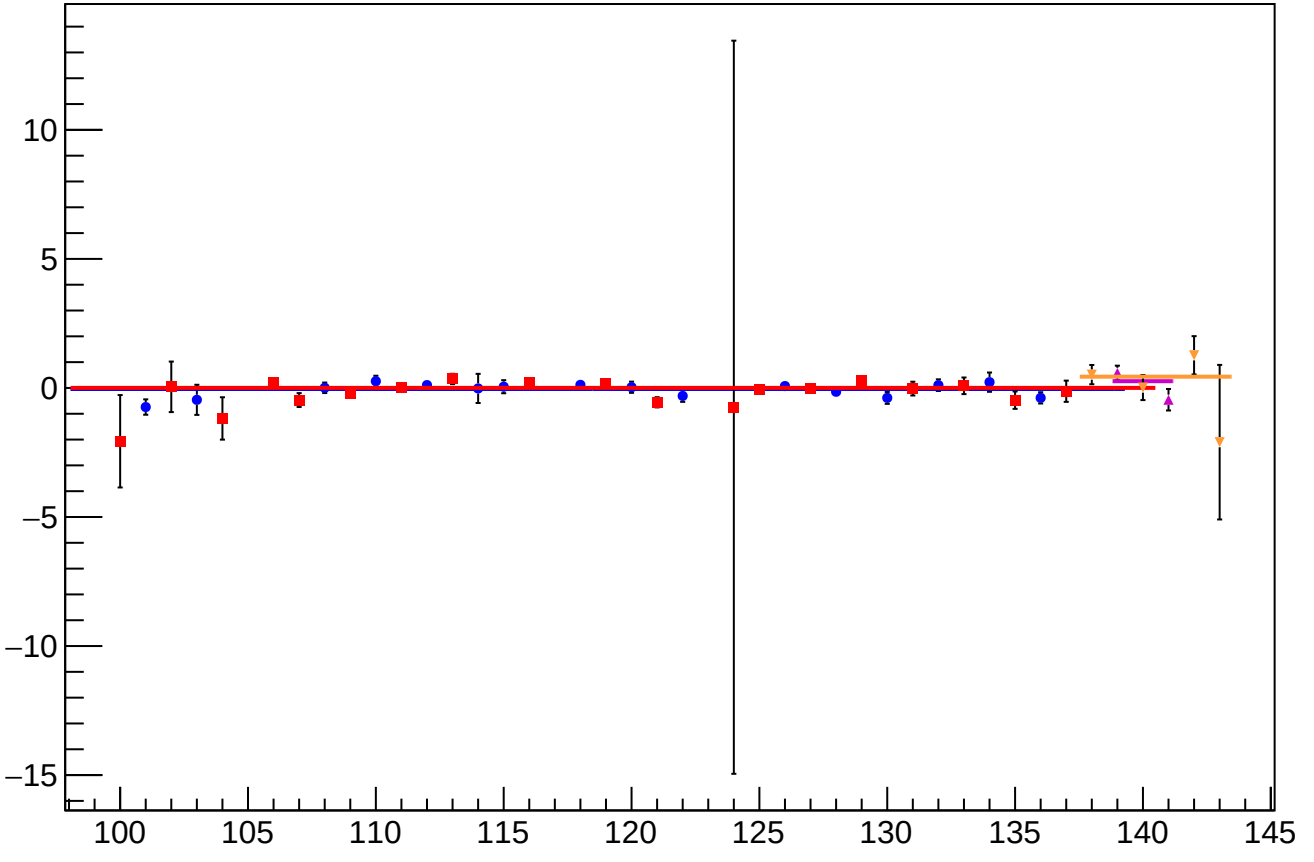
Left In: 0.000+/-0.000 χ^2/NDF:100163.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 5775180.0/19

All: 0.000+/-0.000 χ^2/NDF: 10051846.3/40

- sign 0.000+/-0.000 χ^2/NDF: 2322758.3/20

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

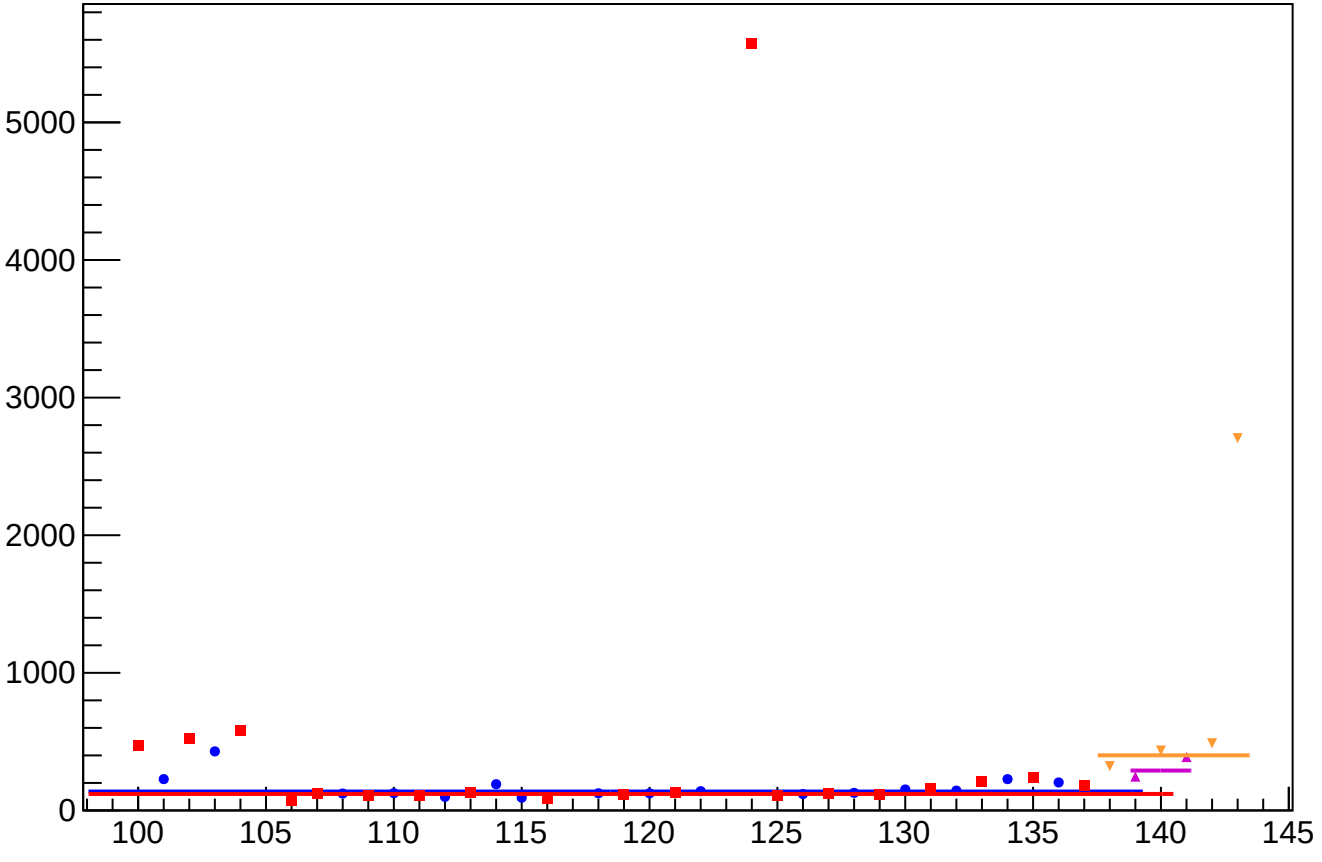
Left In: 0.262+/-0.232 χ^2/NDF:4.3/1

+ sign -0.021+/-0.055 χ^2/NDF: 23.6/19

All: -0.001+/-0.037 χ^2/NDF: 58.1/40

- sign 0.015+/-0.050 χ^2/NDF: 34.2/20

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 400.677+/-0.194 χ^2/NDF:1311677.8/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

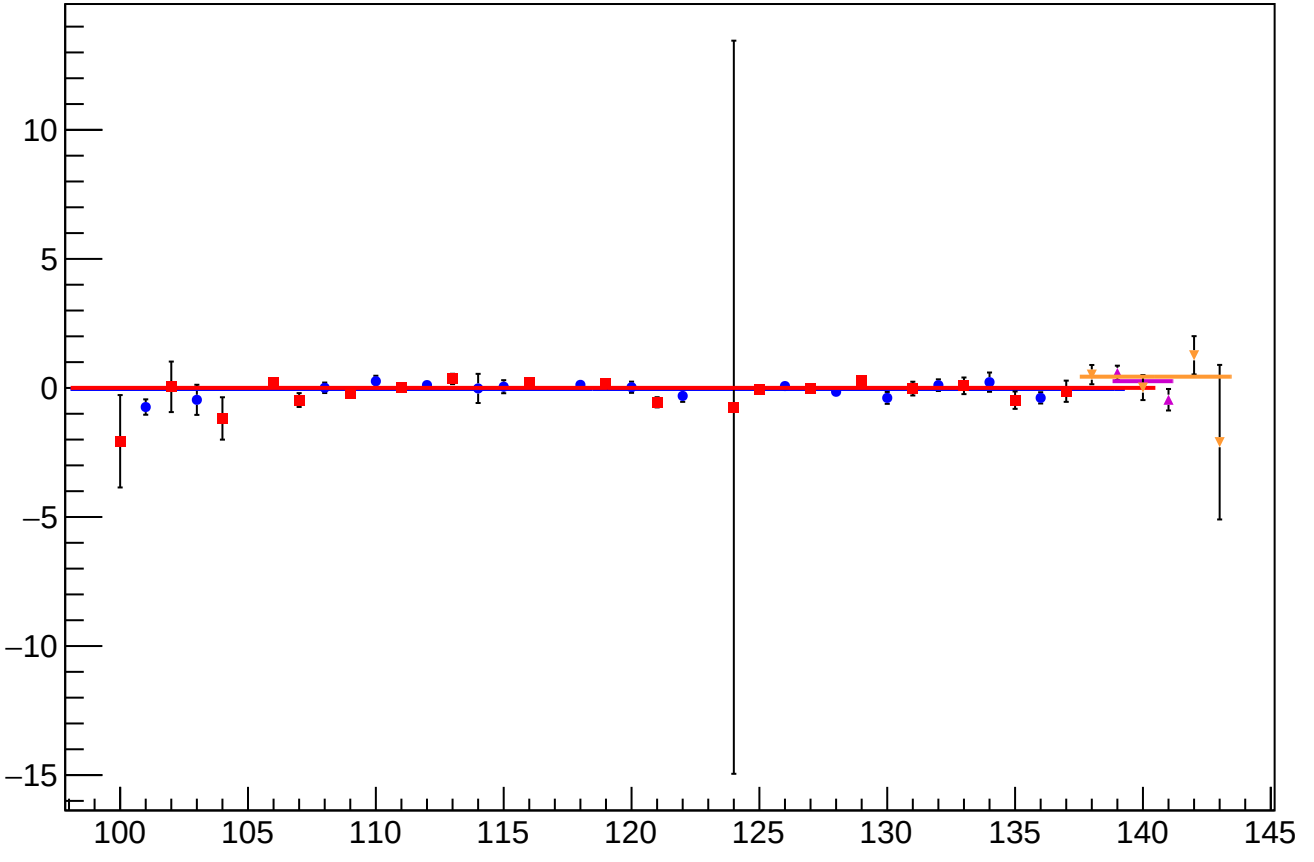
Left In: 289.991+/-0.164 χ^2/NDF:160020.7/1

+ sign 147.916+/-0.039 χ^2/NDF: 4357155.5/19

All: 136.926+/-0.026 χ^2/NDF: 7831081.3/40

- sign 127.836+/-0.035 χ^2/NDF: 3326379.9/20

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: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

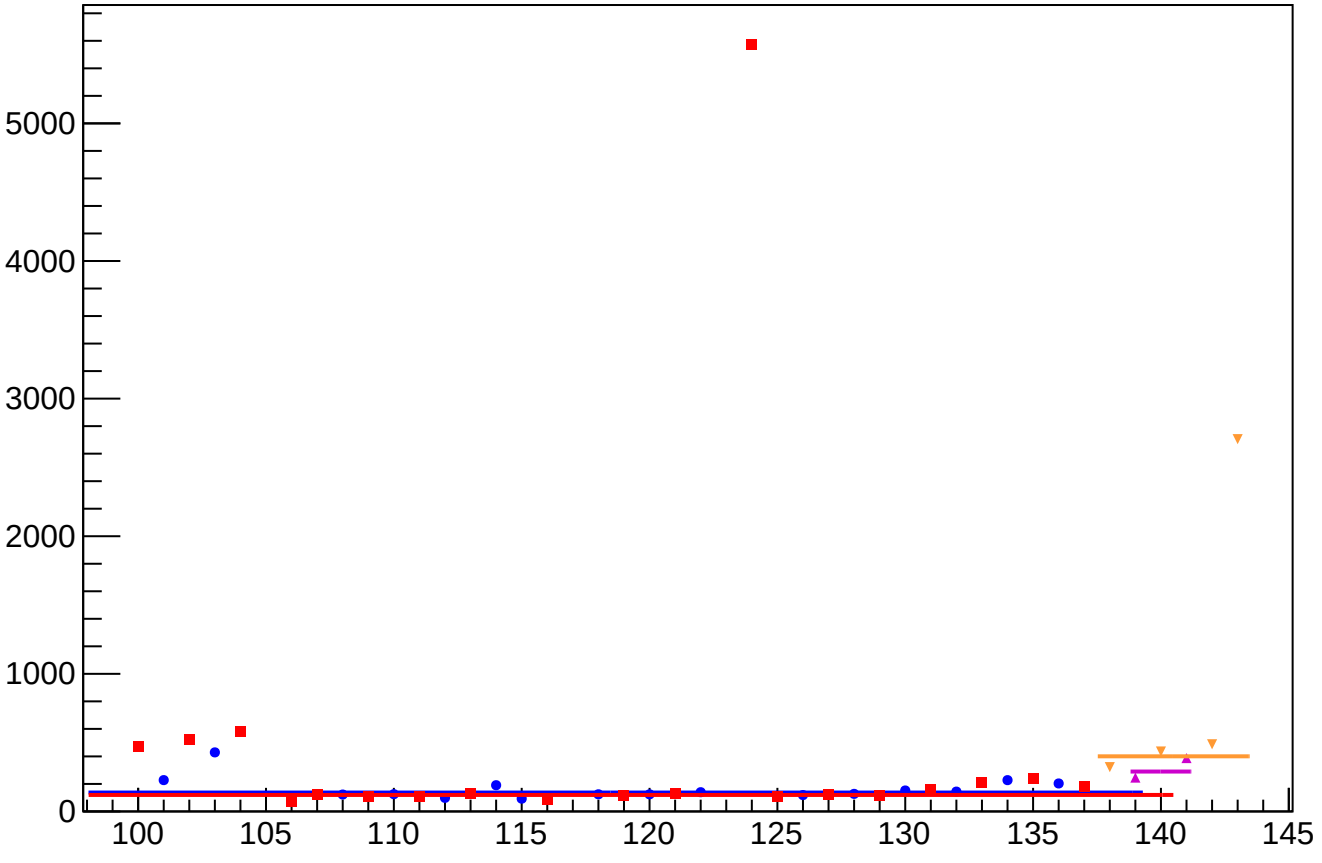
Left In: 0.262+/-0.232 χ^2/NDF:4.3/1

\+ sign -0.021+/-0.055 χ^2/NDF: 23.6/19

All: -0.001+/-0.037 χ^2/NDF: 58.1/40

\- sign 0.015+/-0.050 χ^2/NDF: 34.2/20

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: 400.677+/-0.194 χ^2/NDF:1311677.8/3

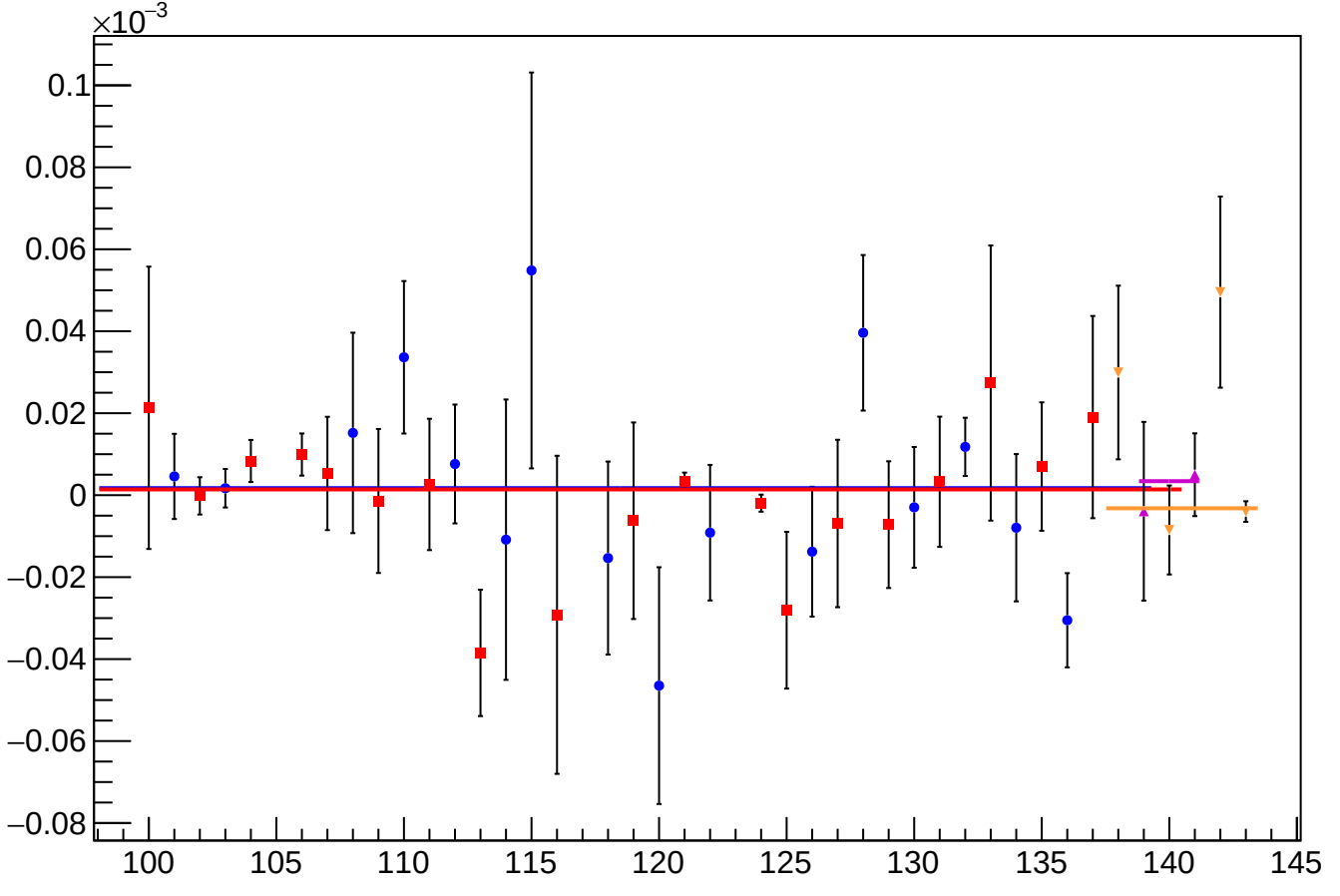
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 289.991+/-0.164 χ^2/NDF:160020.7/1

+ sign 147.916+/-0.039 χ^2/NDF: 4357155.5/19

All: 136.926+/-0.026 χ^2/NDF: 7831081.3/40

- sign 127.836+/-0.035 χ^2/NDF: 3326379.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

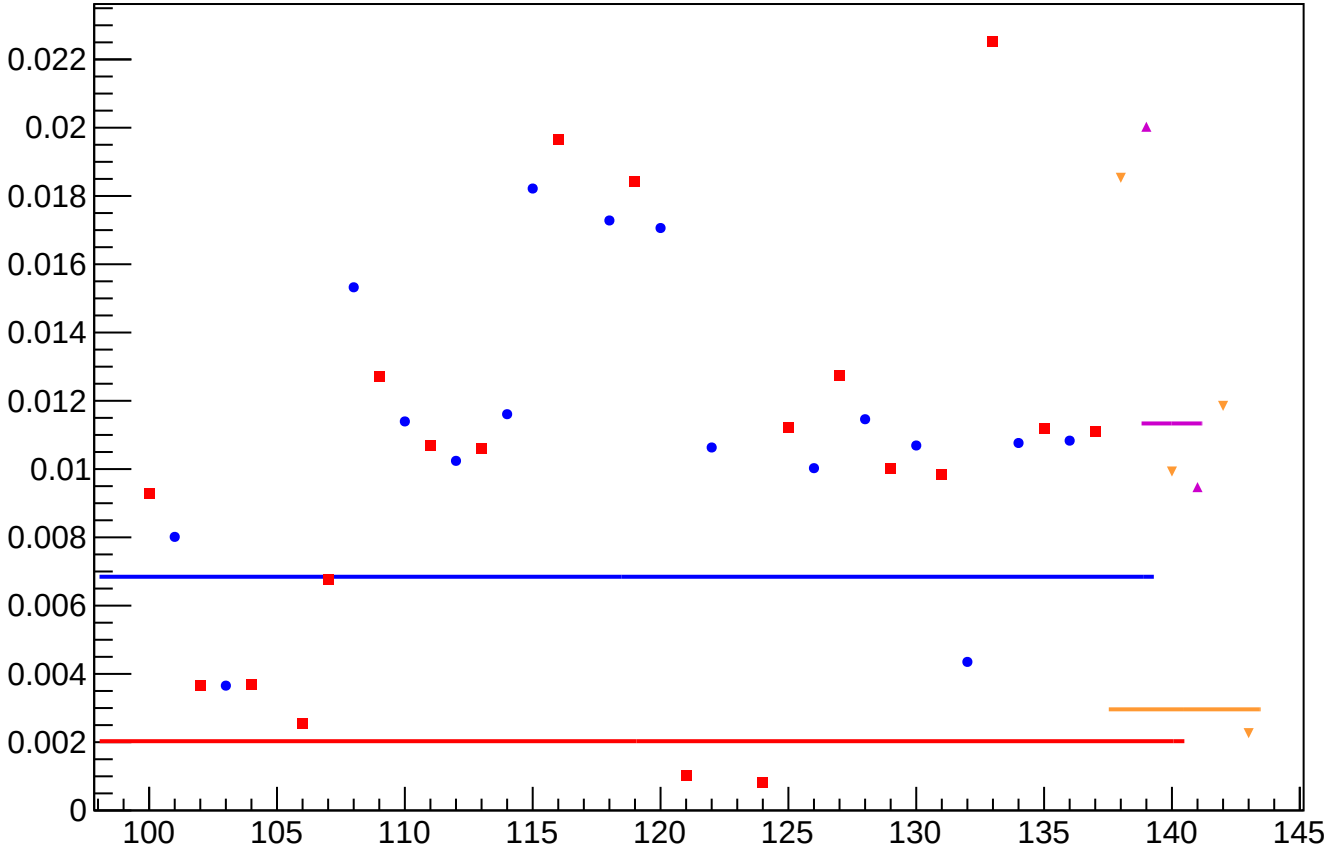
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/19

All: 0.000+/-0.000 χ^2/NDF: 55.2/40

- sign 0.000+/-0.000 χ^2/NDF: 20.4/20

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:2347859.7/3

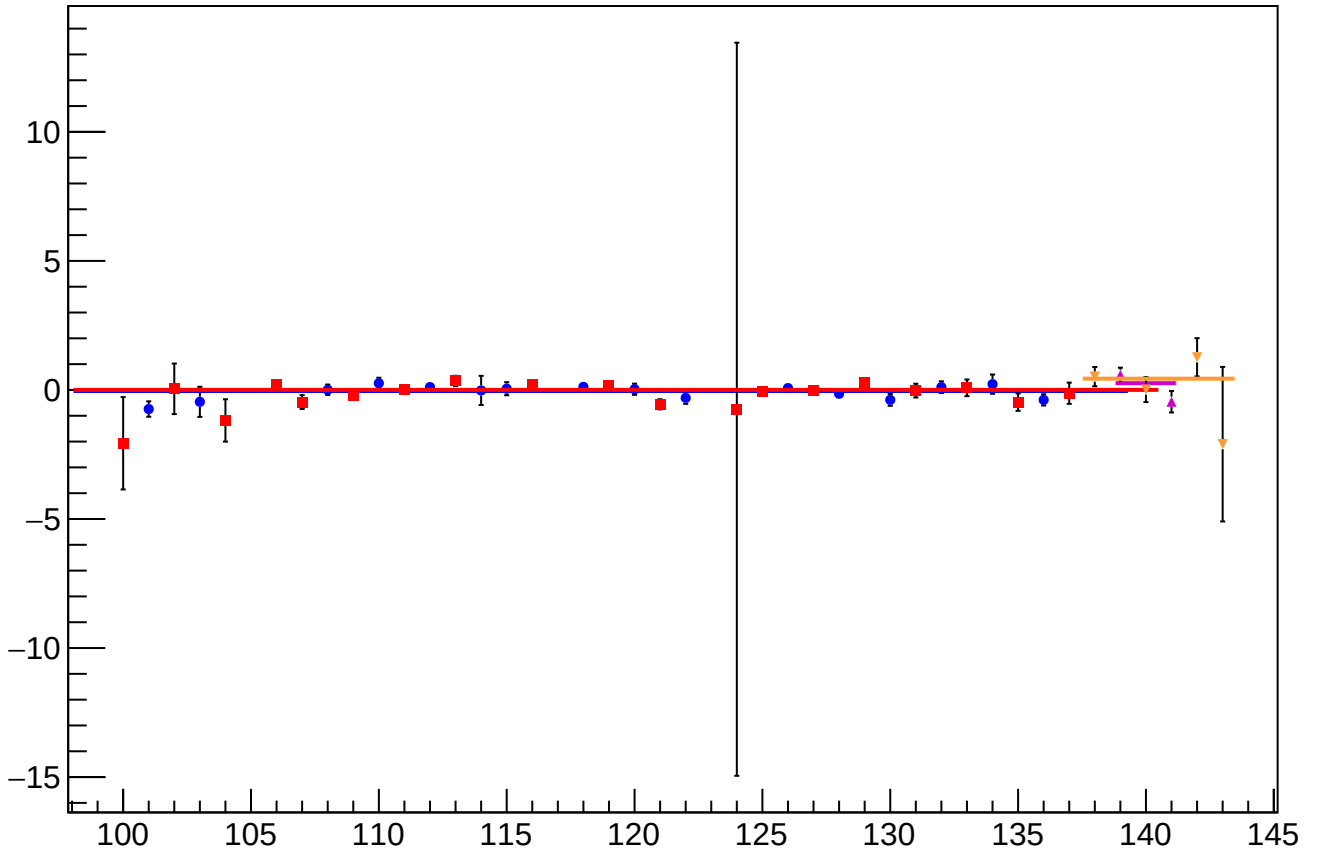
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.011+/-0.000 χ^2/NDF:386162.0/1

+ sign 0.005+/-0.000 χ^2/NDF: 7634085.1/19

All: 0.003+/-0.000 χ^2/NDF: 21167040.1/40

- sign 0.002+/-0.000 χ^2/NDF: 11419753.2/20



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

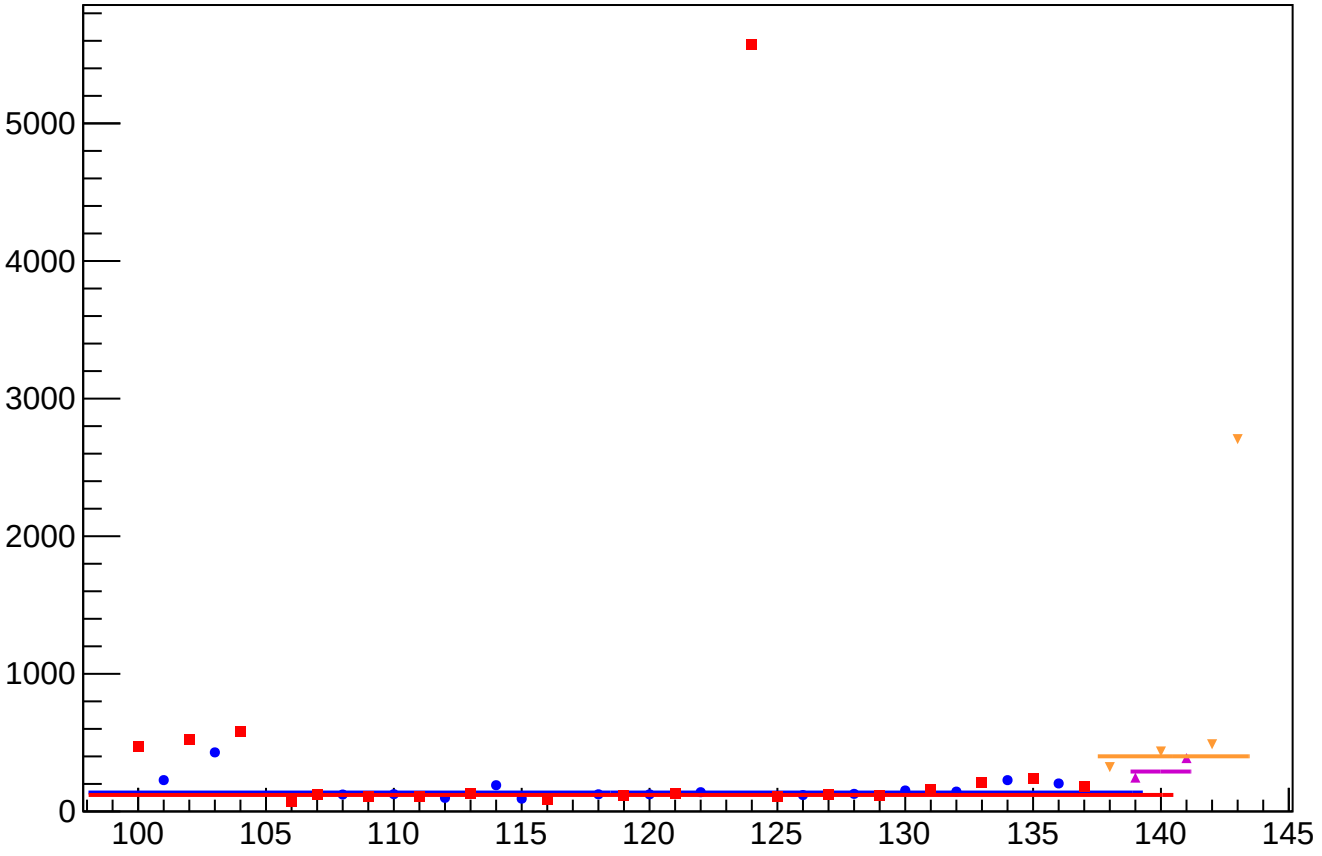
Left In: 0.262+/-0.232 χ^2/NDF:4.3/1

+ sign -0.021+/-0.055 χ^2/NDF: 23.6/19

All: -0.001+/-0.037 χ^2/NDF: 58.1/40

- sign 0.015+/-0.050 χ^2/NDF: 34.2/20

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: 400.680+/-0.194 χ^2/NDF:1311683.2/3

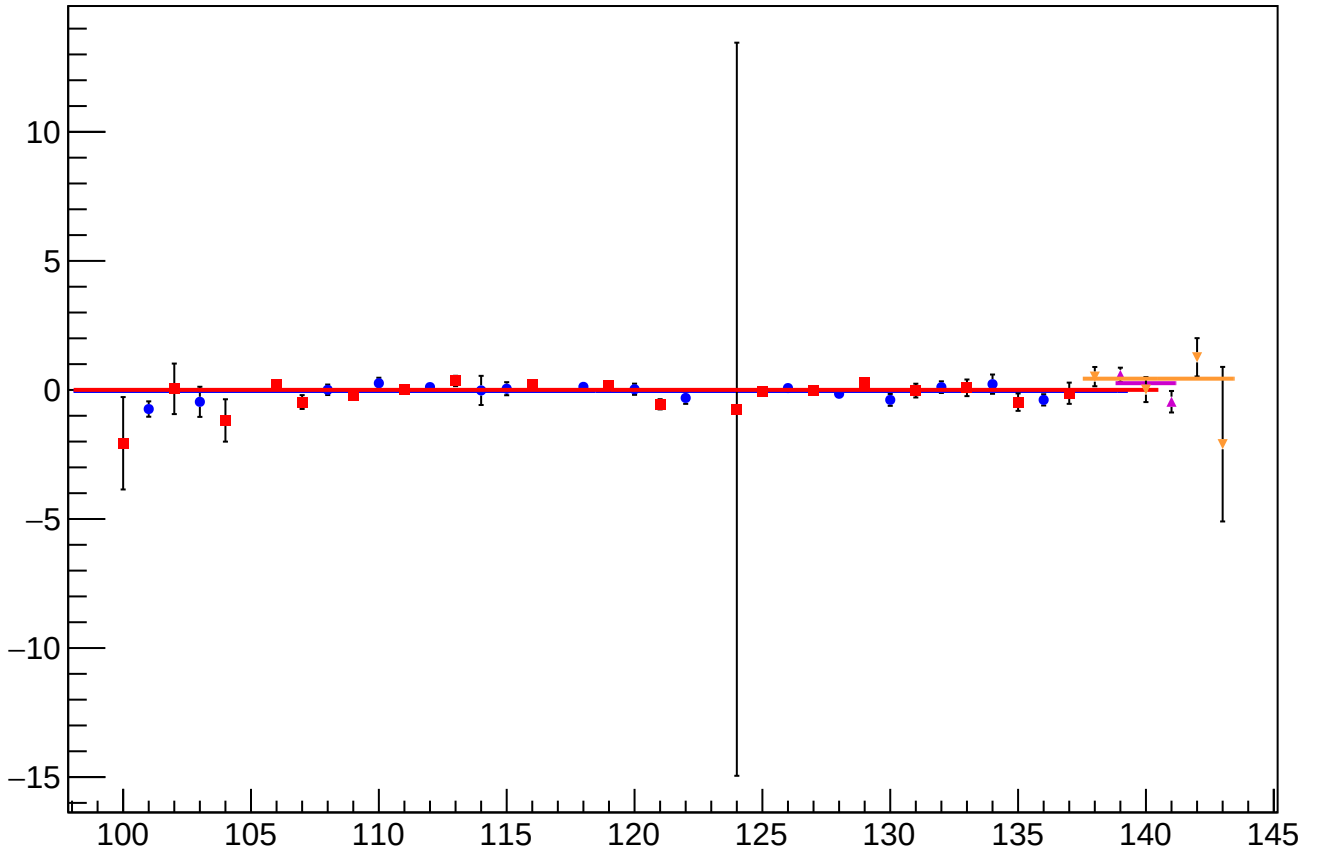
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 289.998+/-0.164 χ^2/NDF:160008.8/1

+ sign 147.917+/-0.039 χ^2/NDF: 4357107.3/19

All: 136.926+/-0.026 χ^2/NDF: 7831006.1/40

- sign 127.836+/-0.035 χ^2/NDF: 3326339.6/20



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.437+/-0.274 χ^2/NDF:2.8/3

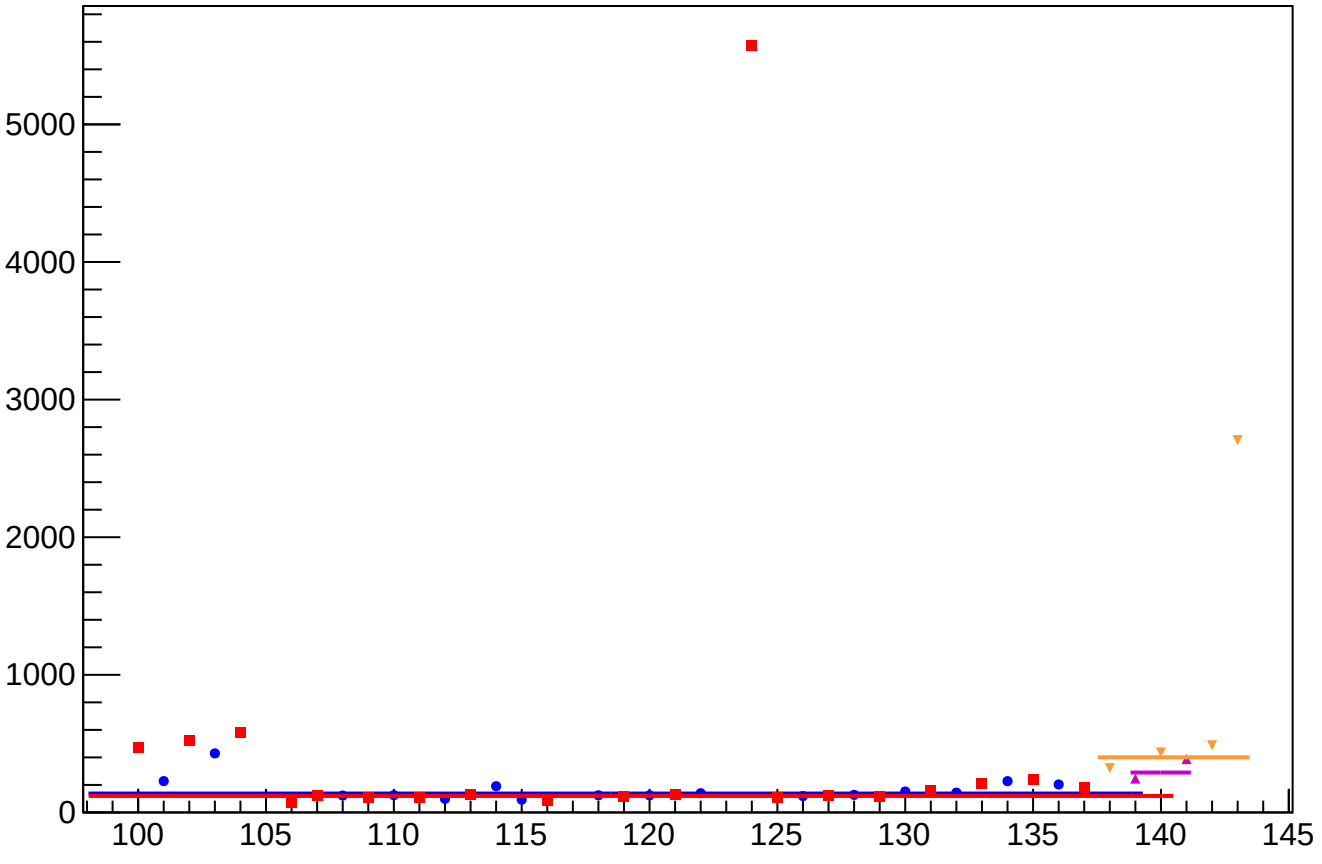
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.262+/-0.232 χ^2/NDF:4.3/1

\+ sign -0.021+/-0.055 χ^2/NDF: 23.6/19

All: -0.001+/-0.037 χ^2/NDF: 58.1/40

\- sign 0.015+/-0.050 χ^2/NDF: 34.2/20



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 400.680+/-0.194 χ^2/NDF:1311683.2/3

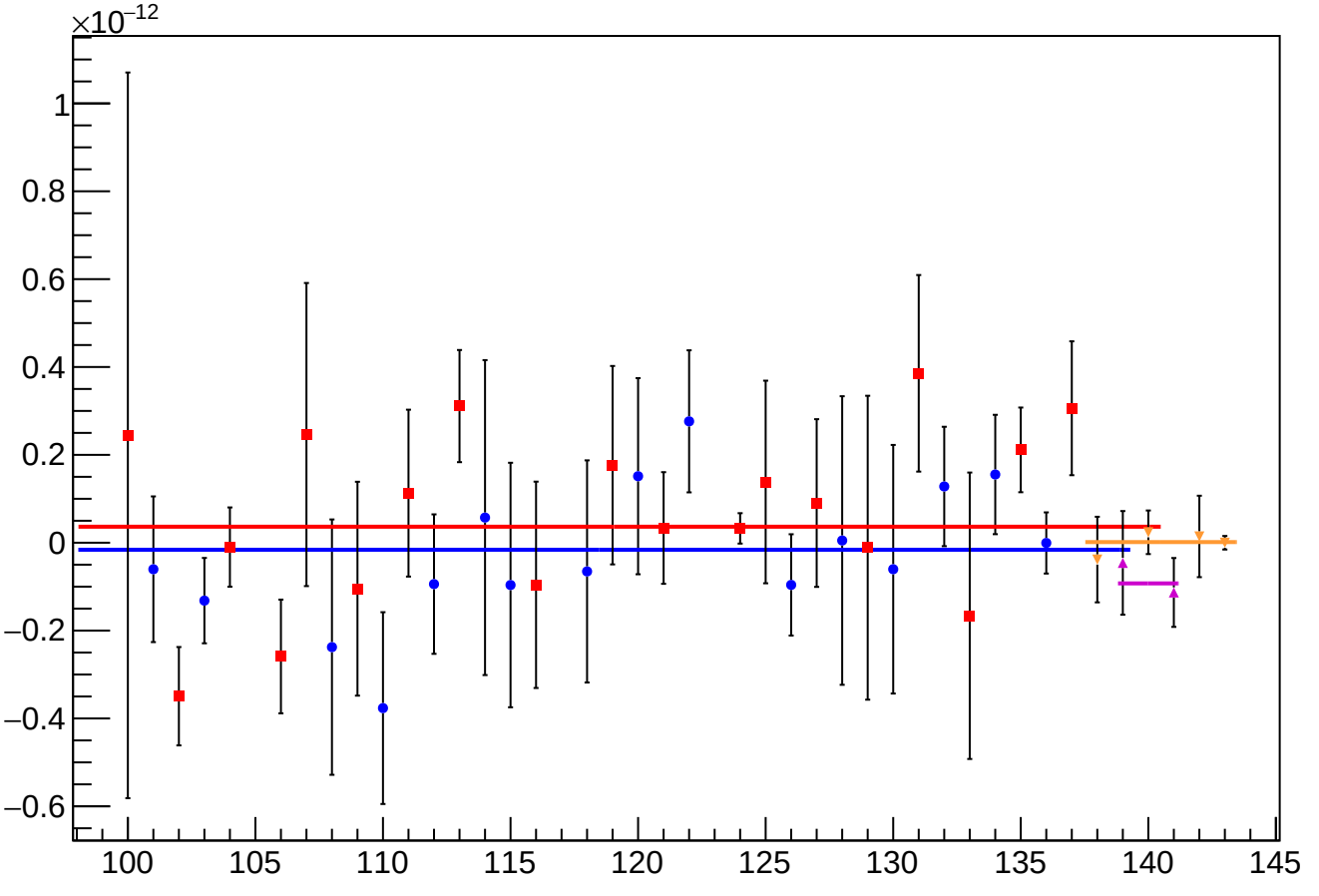
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 289.998+/-0.164 χ^2/NDF:160008.8/1

+ sign 147.917+/-0.039 χ^2/NDF: 4357107.3/19

All: 136.926+/-0.026 χ^2/NDF: 7831006.1/40

- sign 127.836+/-0.035 χ^2/NDF: 3326339.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/3

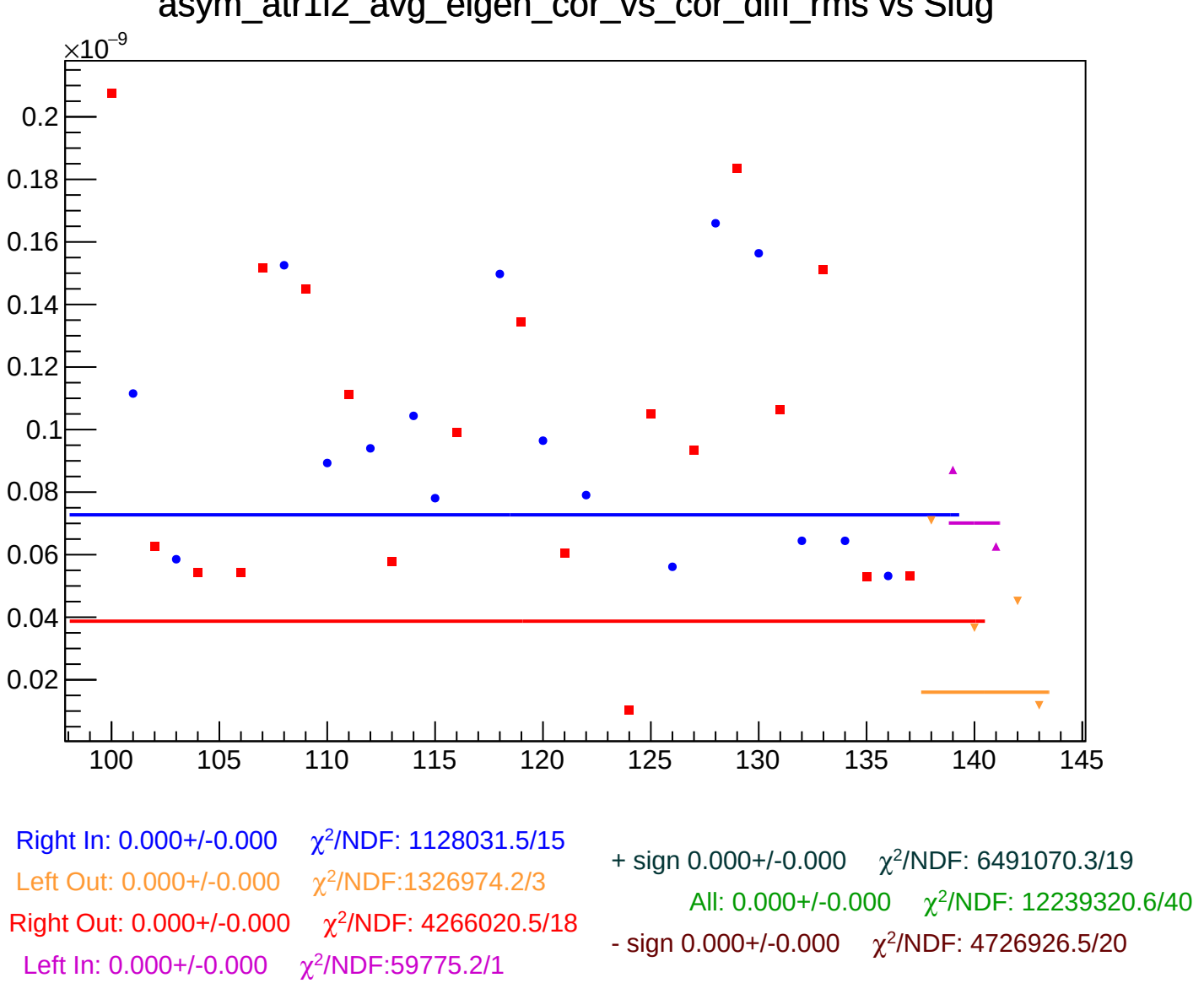
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

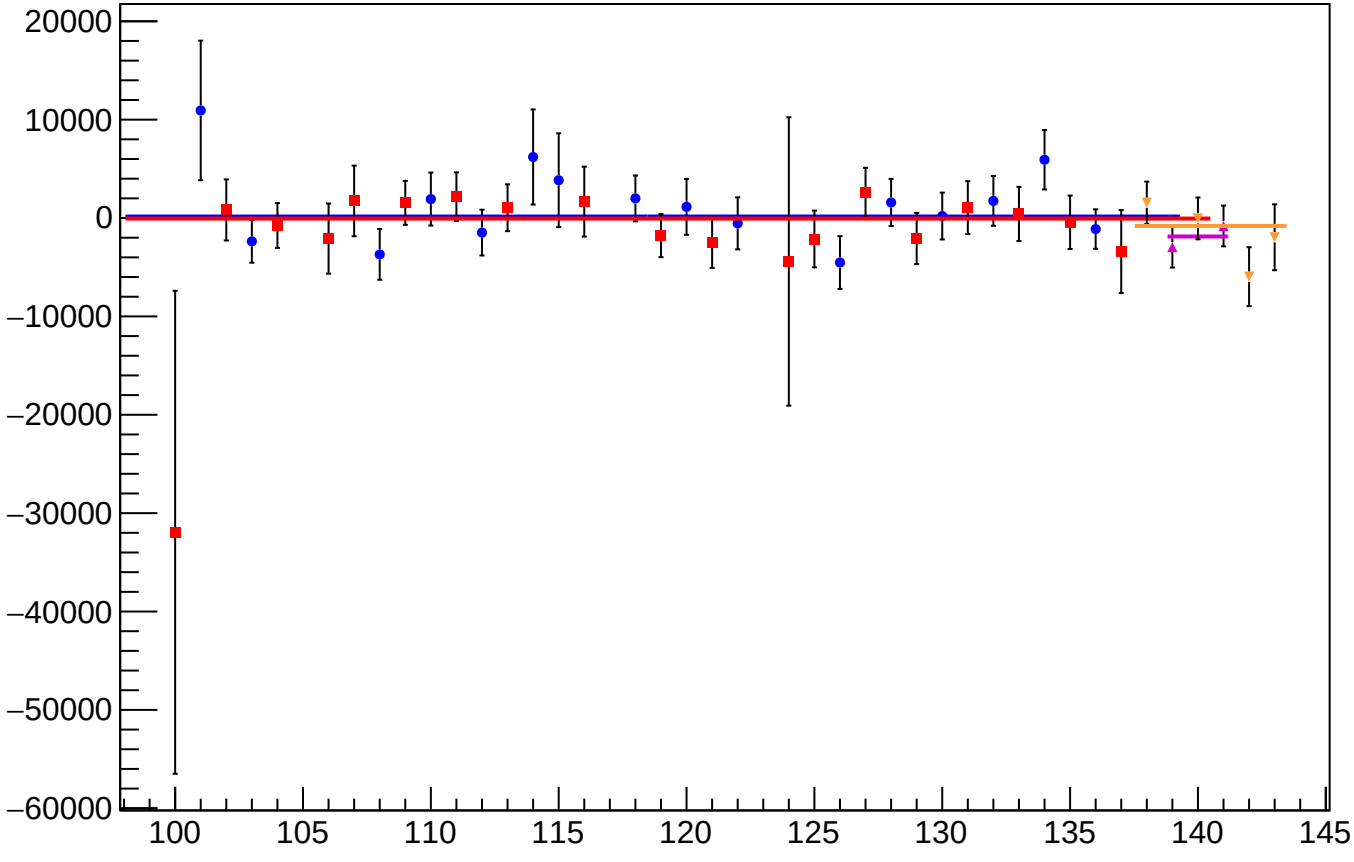
+ sign -0.000+/-0.000 χ^2/NDF: 12.9/19

All: 0.000+/-0.000 χ^2/NDF: 50.2/40

- sign 0.000+/-0.000 χ^2/NDF: 36.8/20


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:1326974.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:59775.2/1
+ sign 0.000+/-0.000 χ²/NDF: 6491070.3/19
All: 0.000+/-0.000 χ²/NDF: 12239320.6/40
- sign 0.000+/-0.000 χ²/NDF: 4726926.5/20

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: -800.810+/-1252.592 χ^2/NDF:4.4/3

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

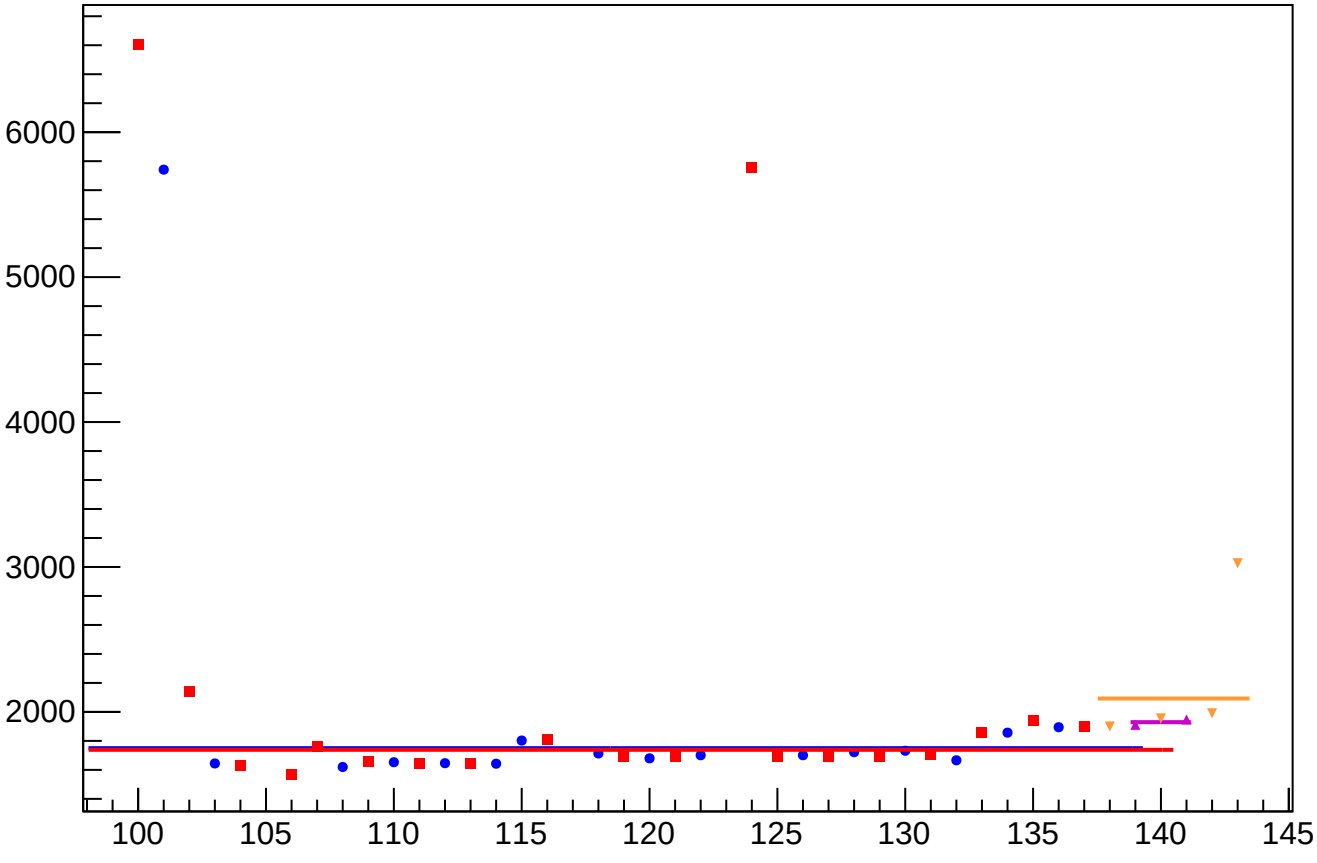
Left In: -1876.008+/-1466.512 χ^2/NDF:0.5/1

+ sign -59.497+/-588.754 χ^2/NDF: 22.5/19

All: -206.019+/-419.633 χ^2/NDF: 33.4/40

- sign -357.310+/-598.261 χ^2/NDF: 10.8/20

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

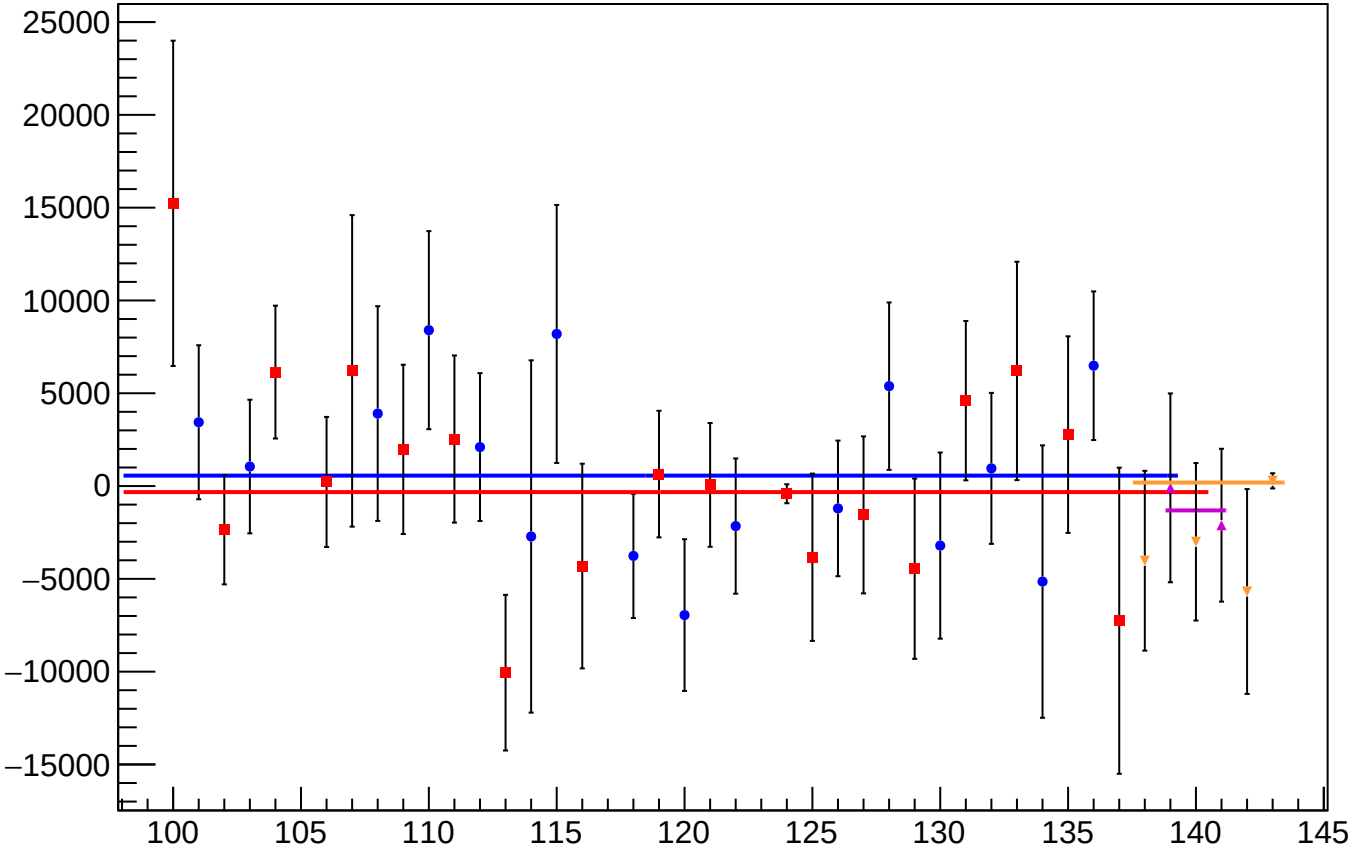
Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

+ sign 1825.511+/-0.416 χ^2/NDF: 968033.0/19

All: 1797.964+/-0.296 χ^2/NDF: 1309982.1/40

- sign 1769.868+/-0.420 χ^2/NDF: 333105.3/20

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 189.107+/-404.683 χ^2/NDF:2.5/3

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

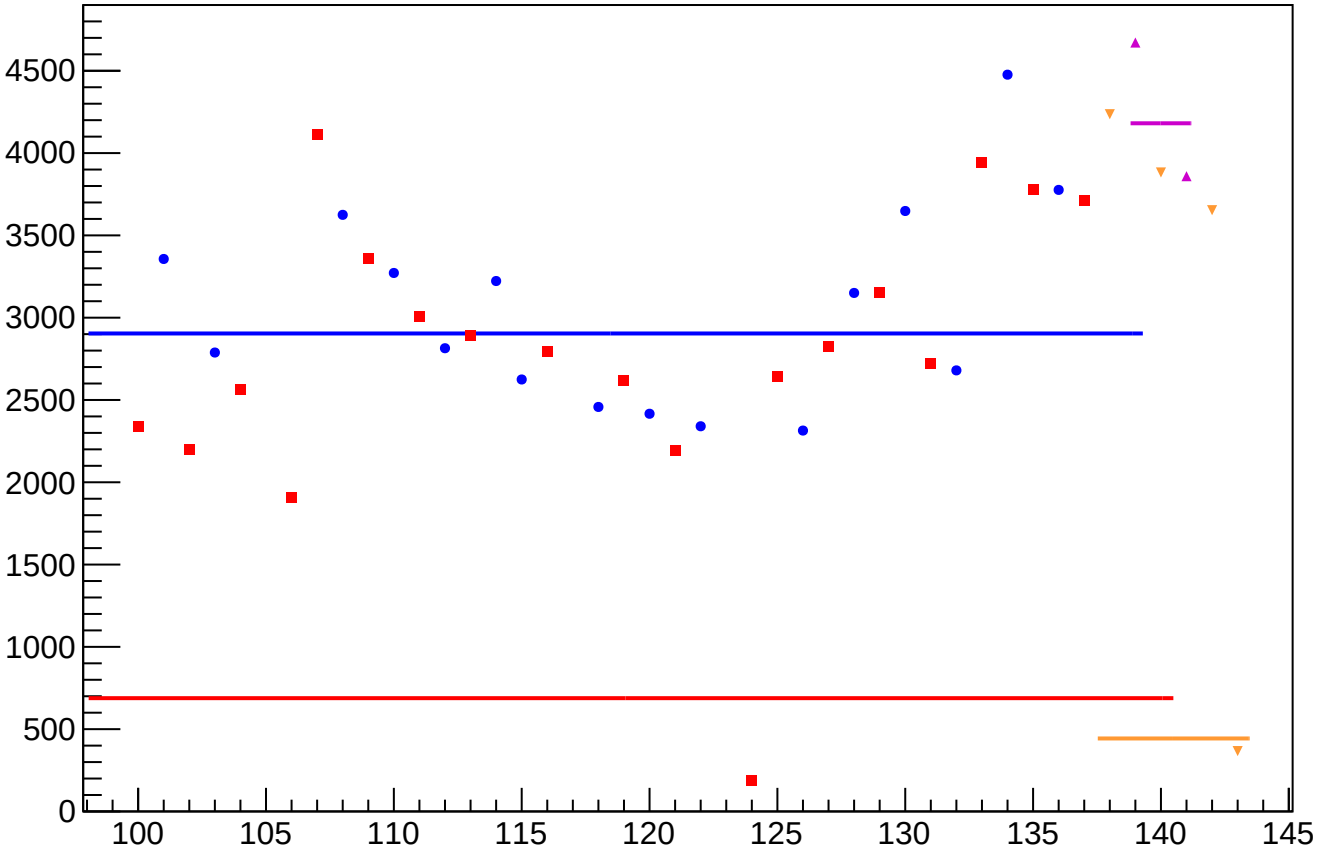
Left In: -1312.417+/-3201.238 χ^2/NDF:0.1/1

+ sign 233.518+/-379.844 χ^2/NDF: 17.4/19

All: -5.255+/-291.151 χ^2/NDF: 37.8/40

- sign -345.357+/-453.333 χ^2/NDF: 19.4/20

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 443.439+/-0.286 χ^2/NDF:3287077.6/3

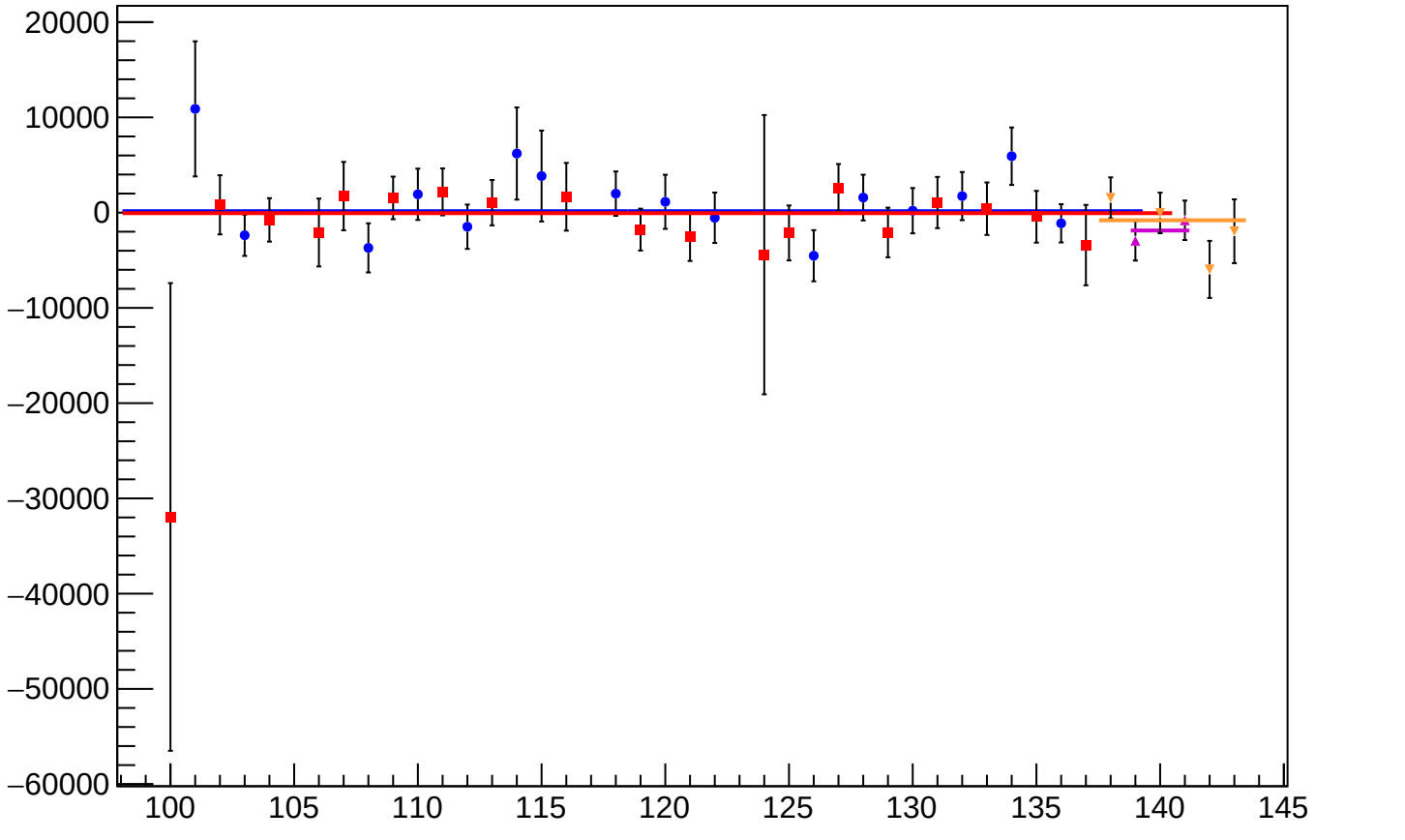
Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4181.070+/-2.264 χ^2/NDF:30778.4/1

+ sign 736.227+/-0.269 χ^2/NDF: 12565122.6/19

All: 745.357+/-0.206 χ^2/NDF: 25080707.0/40

- sign 758.362+/-0.321 χ^2/NDF: 12512782.8/20



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -800.915+/-1252.592 χ^2/NDF:4.4/3

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

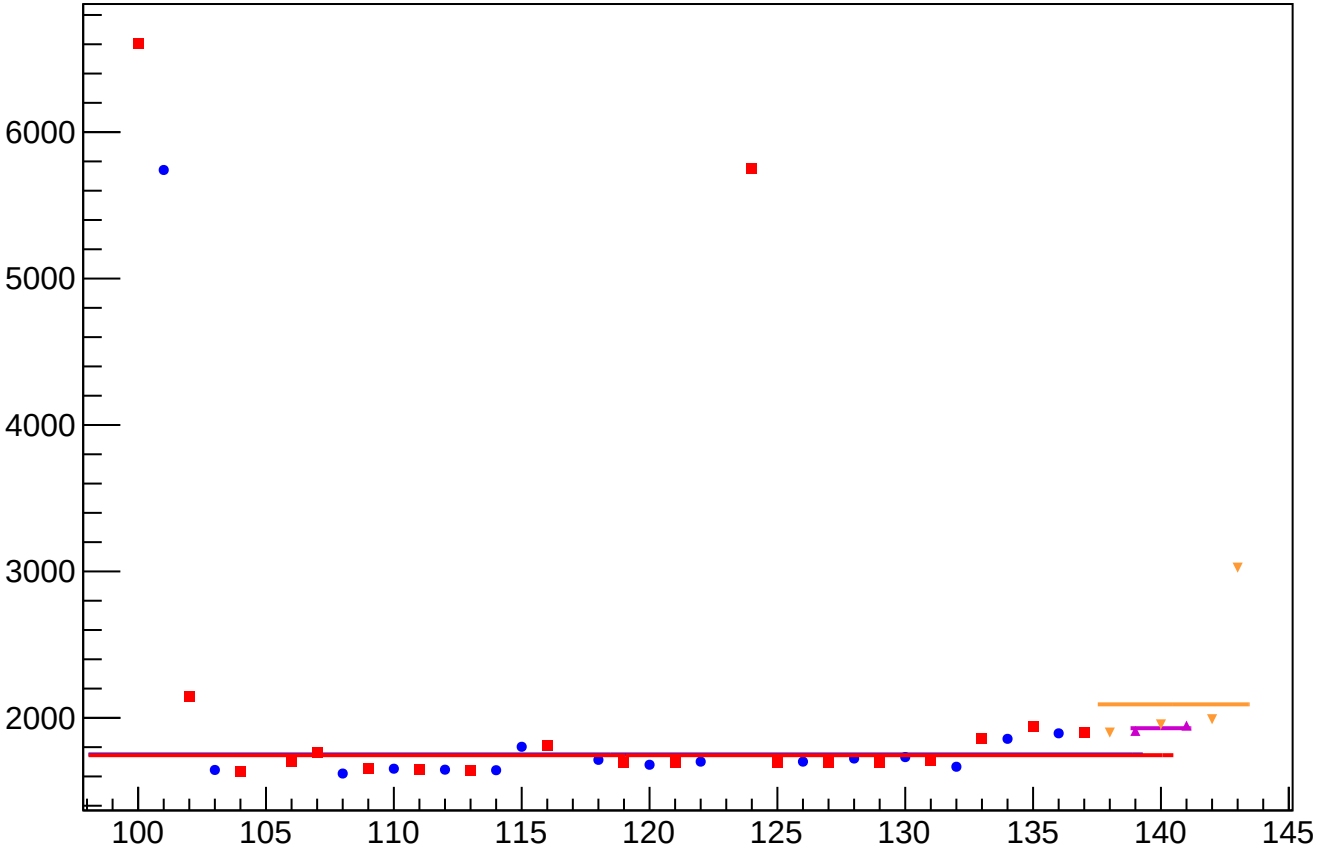
Left In: -1876.340+/-1466.512 χ^2/NDF:0.5/1

+ sign -59.885+/-588.754 χ^2/NDF: 22.5/19

All: -206.264+/-419.633 χ^2/NDF: 33.4/40

- sign -357.408+/-598.261 χ^2/NDF: 10.8/20

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

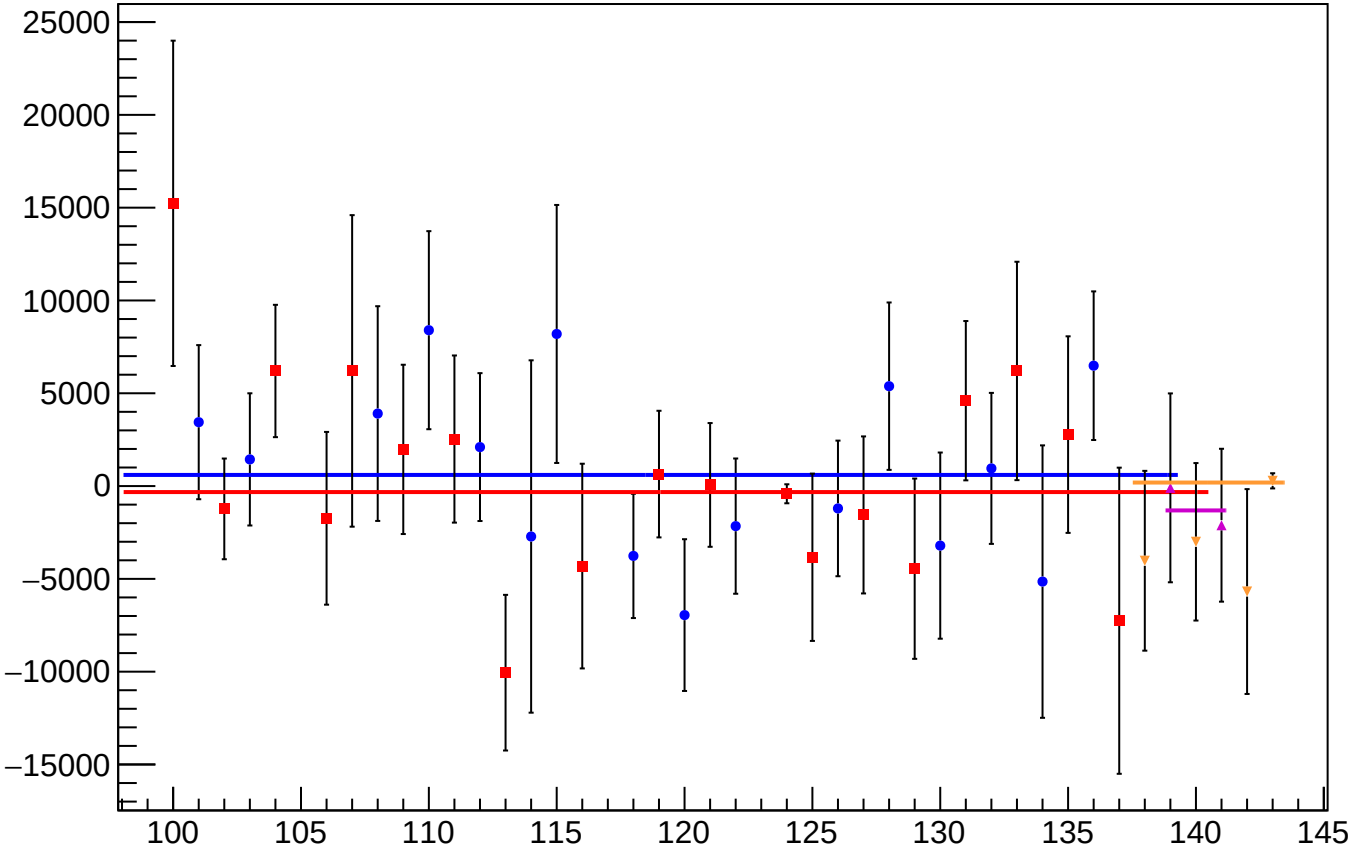
Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

+ sign 1825.511+/-0.416 χ^2/NDF: 968033.4/19

All: 1800.900+/-0.296 χ^2/NDF: 1299722.7/40

- sign 1775.646+/-0.422 χ^2/NDF: 324608.5/20

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 190.116+/-404.718 χ^2/NDF:2.5/3

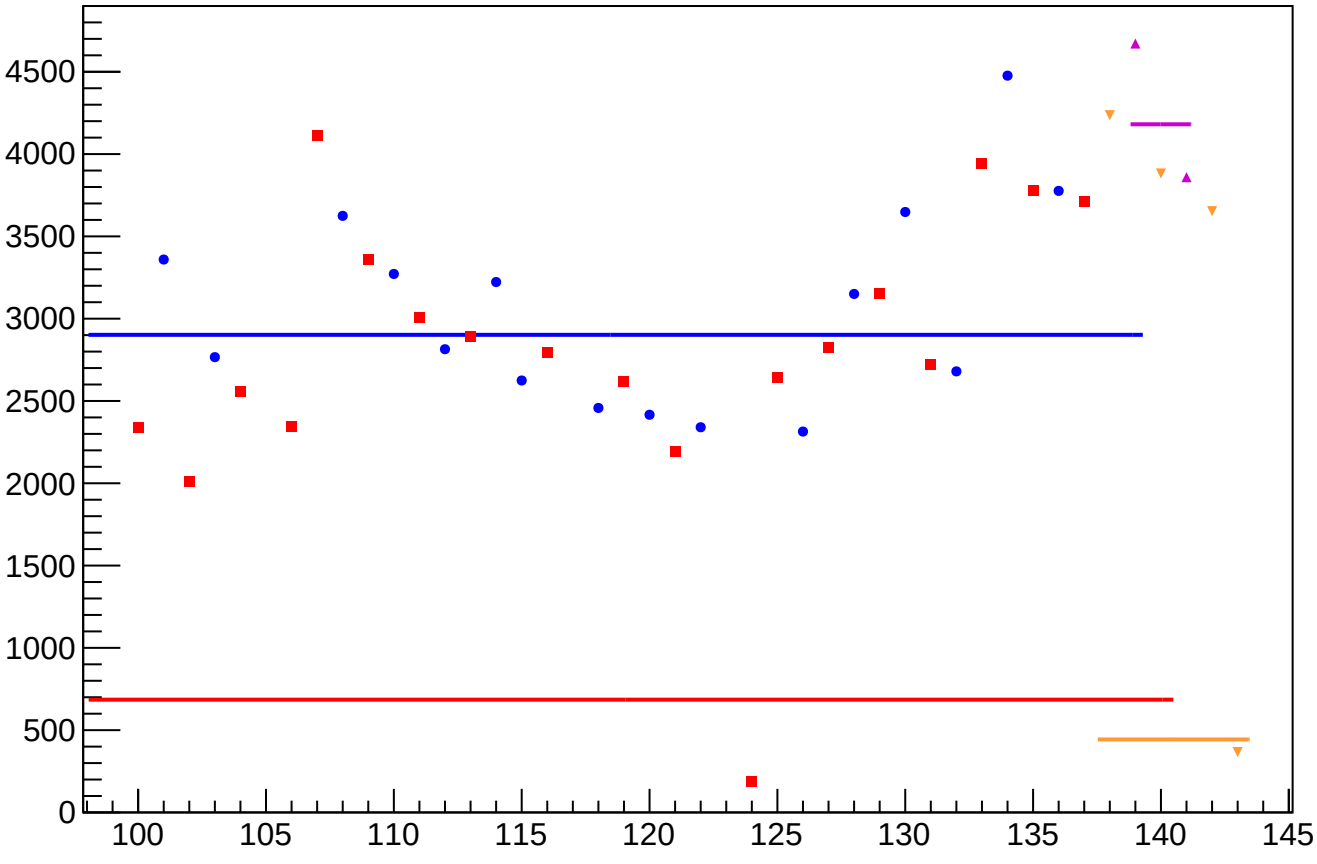
Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1312.259+/-3201.229 χ^2/NDF:0.1/1

+ sign 239.001+/-379.831 χ^2/NDF: 17.5/19

All: -0.532+/-291.379 χ^2/NDF: 37.6/40

- sign -343.077+/-454.220 χ^2/NDF: 19.2/20



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 443.493+/-0.286 χ^2/NDF:3286996.3/3

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

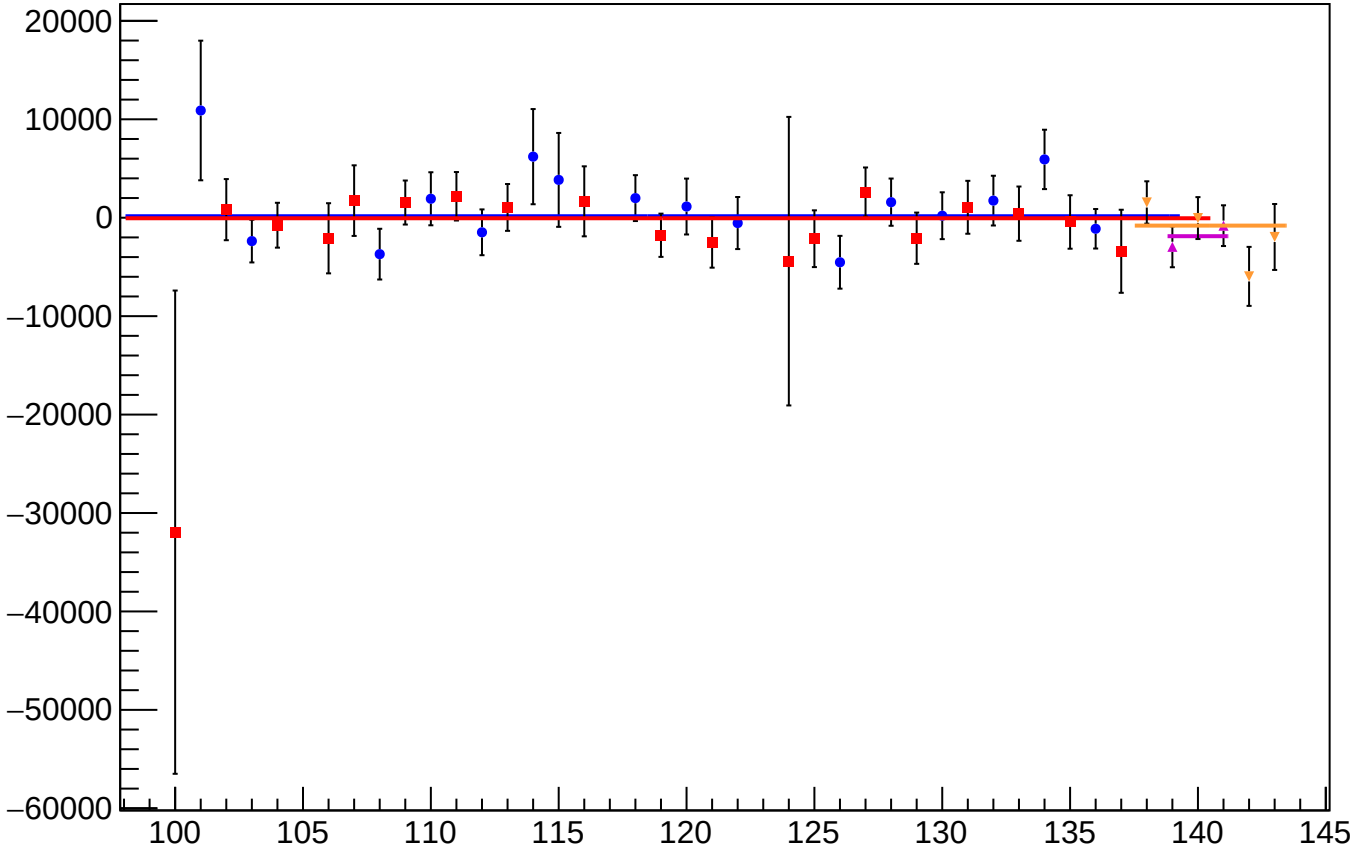
Left In: 4181.060+/-2.264 χ^2/NDF:30777.5/1

+ sign 736.544+/-0.269 χ^2/NDF: 12564518.8/19

All: 744.400+/-0.206 χ^2/NDF: 25040167.7/40

- sign 755.636+/-0.321 χ^2/NDF: 12473569.3/20

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -800.915+/-1252.592 χ^2/NDF:4.4/3

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

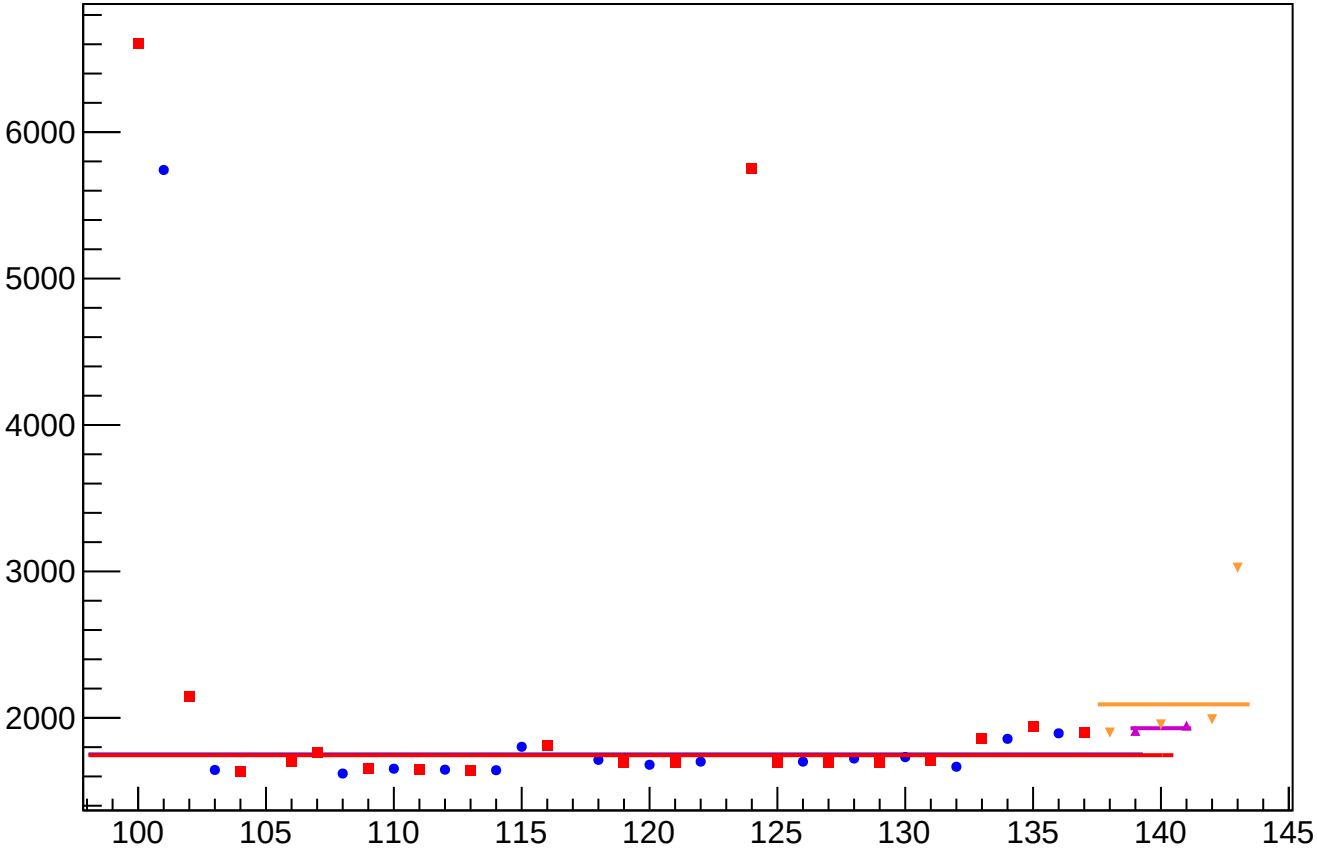
Left In: -1876.340+/-1466.512 χ^2/NDF:0.5/1

+ sign -59.885+/-588.754 χ^2/NDF: 22.5/19

All: -206.264+/-419.633 χ^2/NDF: 33.4/40

- sign -357.408+/-598.261 χ^2/NDF: 10.8/20

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

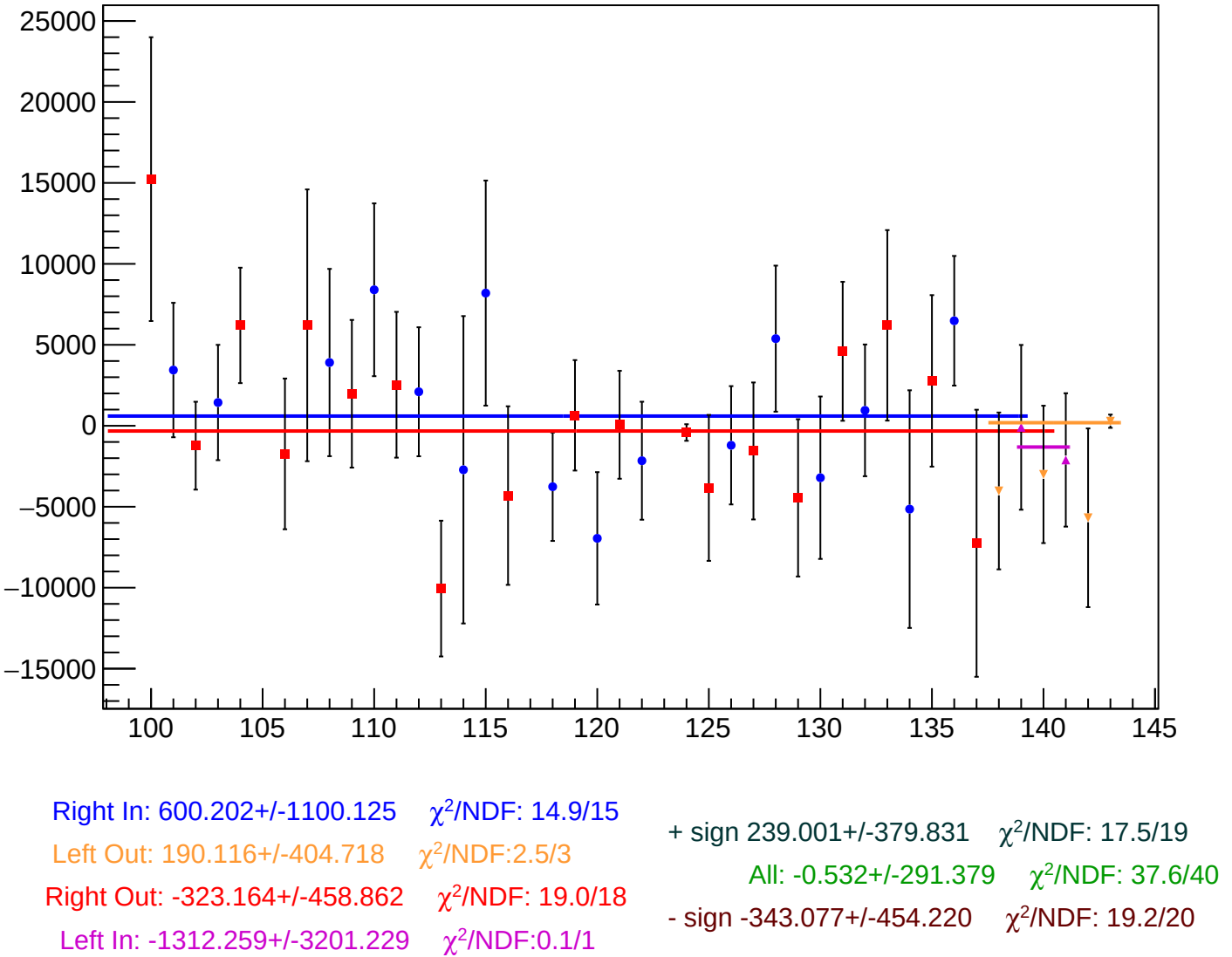
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

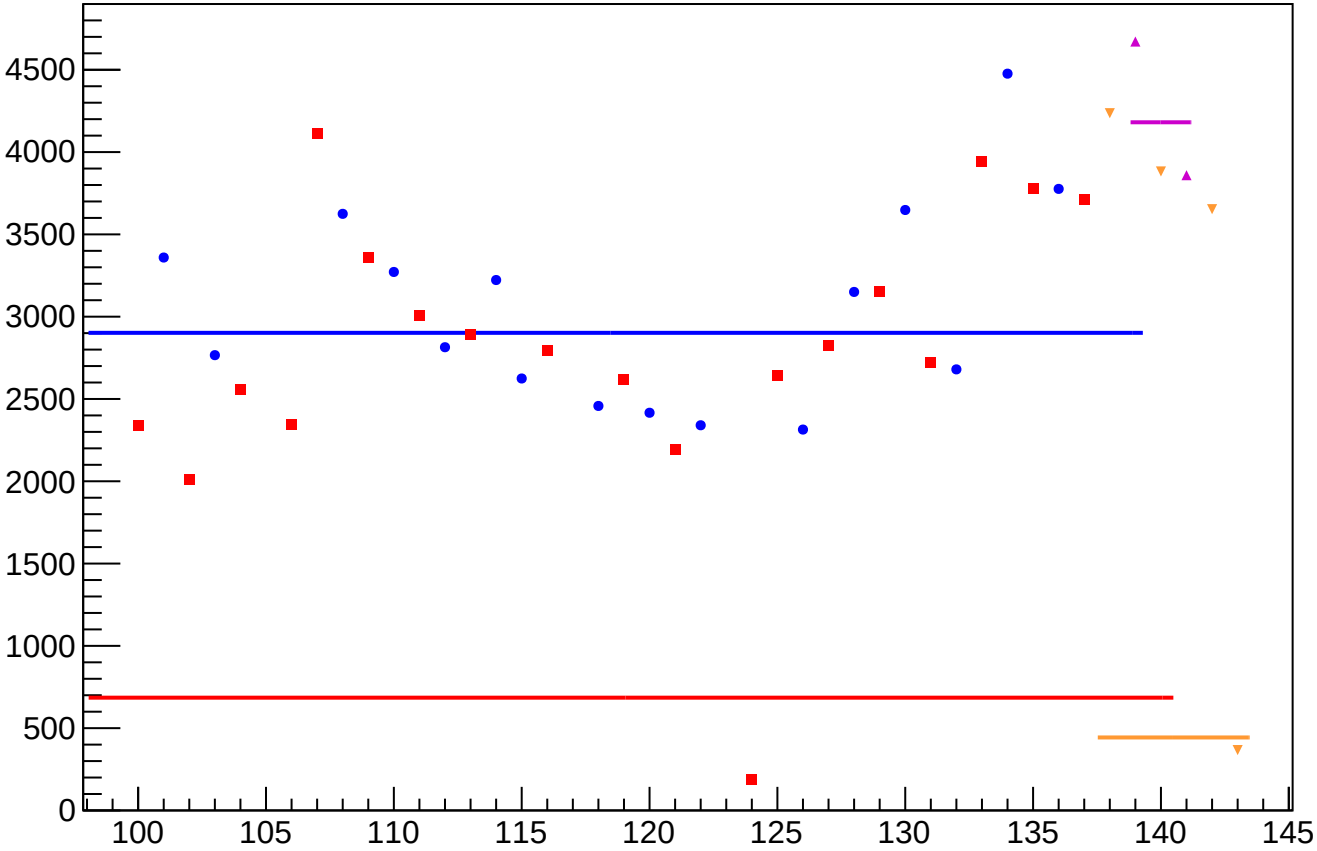
+ sign 1825.511+/-0.416 χ^2/NDF: 968033.4/19

All: 1800.900+/-0.296 χ^2/NDF: 1299722.7/40

- sign 1775.646+/-0.422 χ^2/NDF: 324608.5/20


asym_atr1l2_dd_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: 600.202+/-1100.125 χ²/NDF: 14.9/15
Left Out: 190.116+/-404.718 χ²/NDF:2.5/3
Right Out: -323.164+/-458.862 χ²/NDF: 19.0/18
Left In: -1312.259+/-3201.229 χ²/NDF:0.1/1
+ sign 239.001+/-379.831 χ²/NDF: 17.5/19
All: -0.532+/-291.379 χ²/NDF: 37.6/40
- sign -343.077+/-454.220 χ²/NDF: 19.2/20

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 443.493+/-0.286 χ^2/NDF:3286996.3/3

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

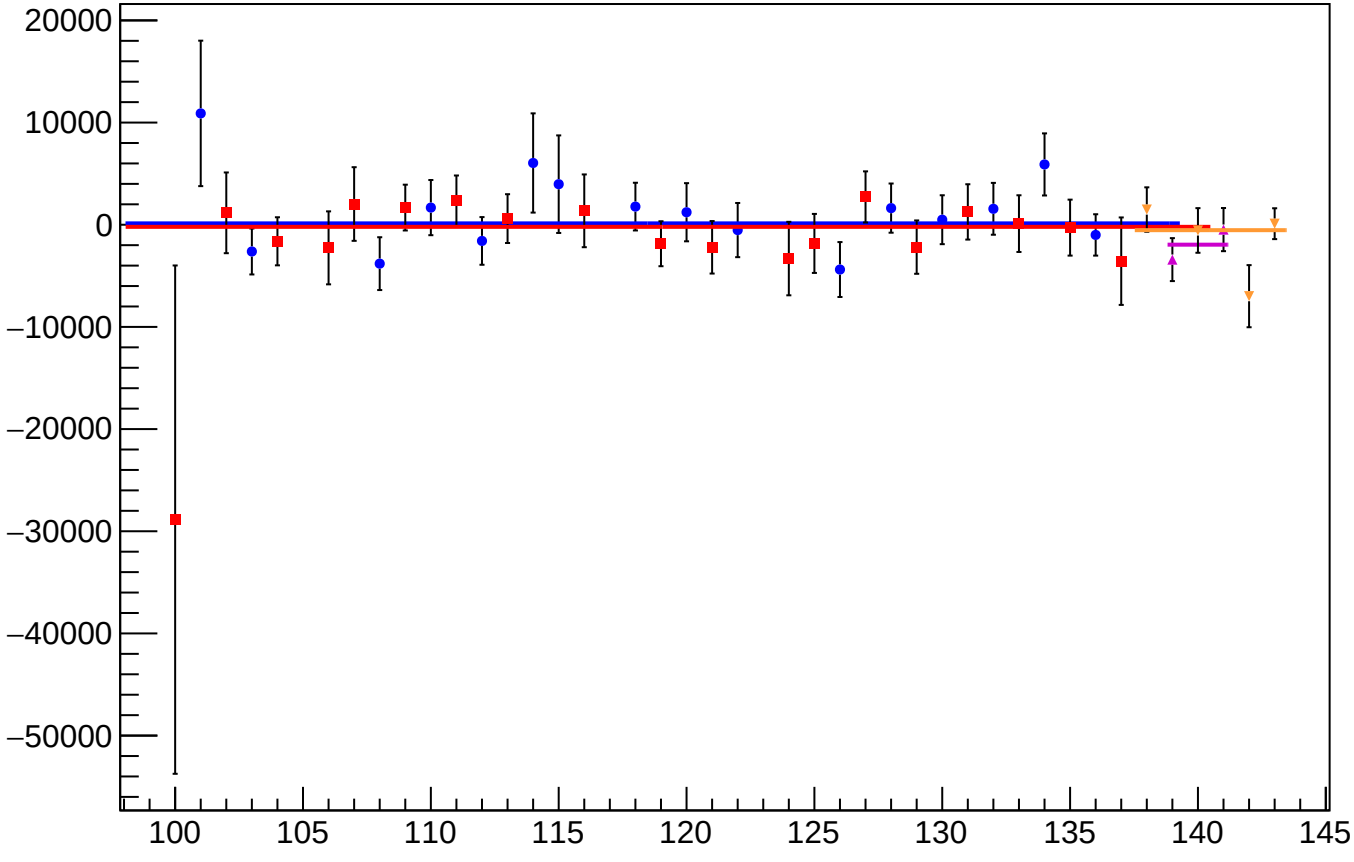
Left In: 4181.060+/-2.264 χ^2/NDF:30777.5/1

+ sign 736.544+/-0.269 χ^2/NDF: 12564518.8/19

All: 744.400+/-0.206 χ^2/NDF: 25040167.7/40

- sign 755.636+/-0.321 χ^2/NDF: 12473569.3/20

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: -531.480+/-1016.494 χ^2/NDF:5.6/3

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

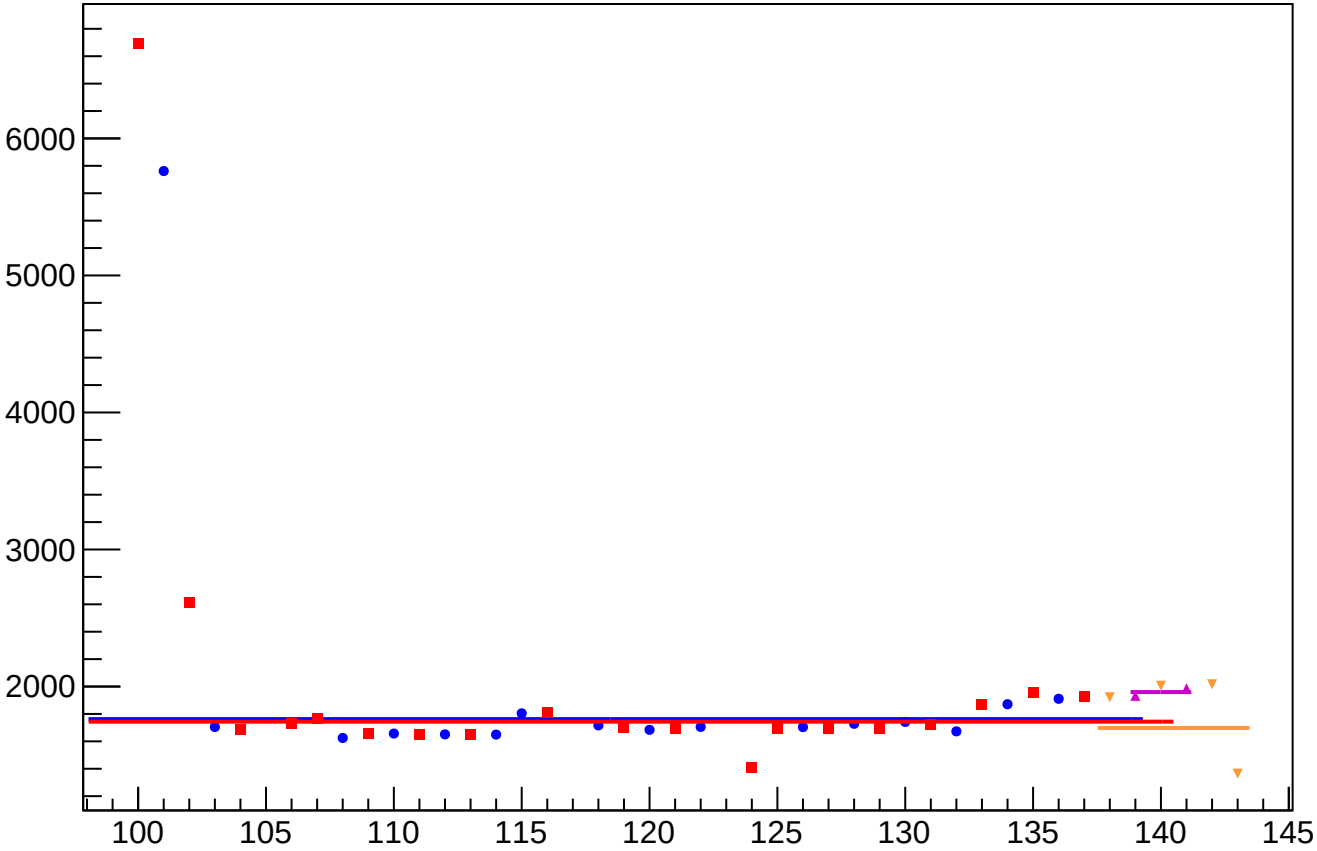
Left In: -1950.617+/-1489.776 χ^2/NDF:1.0/1

+ sign -68.345+/-560.355 χ^2/NDF: 23.1/19

All: -264.010+/-409.268 χ^2/NDF: 35.2/40

- sign -487.727+/-599.179 χ^2/NDF: 11.8/20

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1697.706+/-0.719 χ^2/NDF:180386.6/3

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

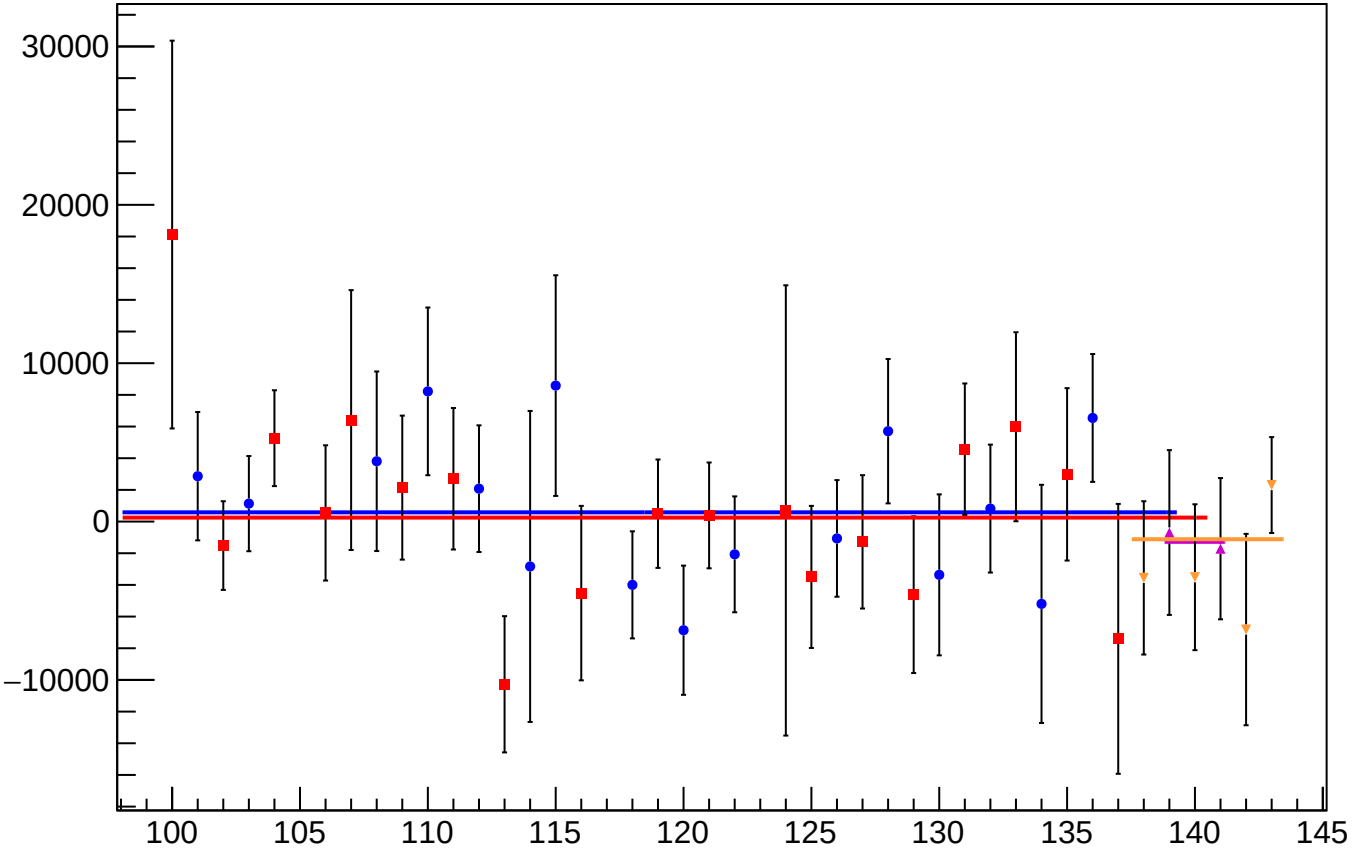
Left In: 1959.595+/-1.053 χ^2/NDF:653.0/1

+ sign 1742.498+/-0.396 χ^2/NDF: 853662.0/19

All: 1759.326+/-0.289 χ^2/NDF: 1121166.5/40

- sign 1778.474+/-0.423 χ^2/NDF: 263648.3/20

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -1115.817+/-2101.876 χ^2/NDF:2.7/3

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

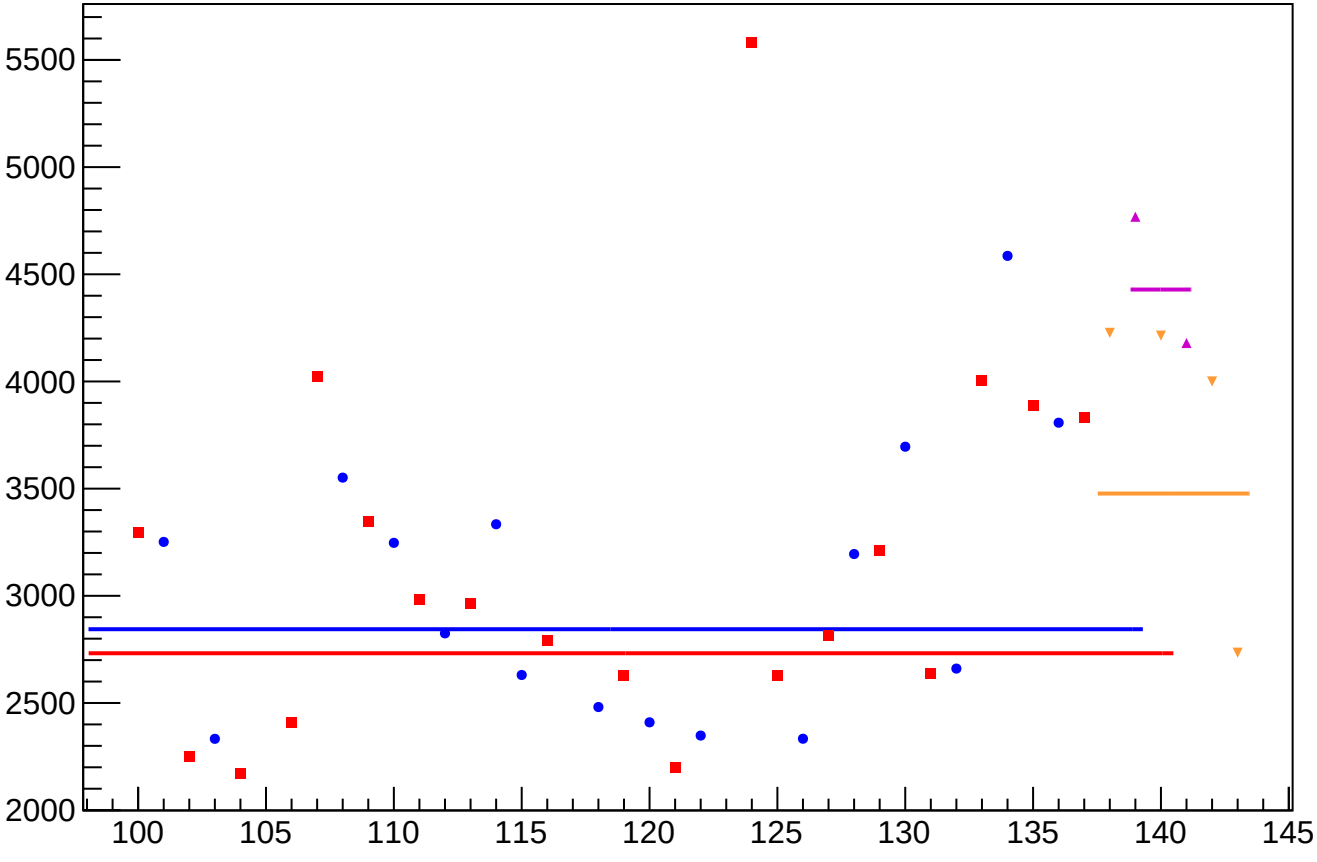
Left In: -1280.575+/-3386.370 χ^2/NDF:0.0/1

+ sign 226.780+/-961.652 χ^2/NDF: 18.1/19

All: 175.574+/-685.541 χ^2/NDF: 36.2/40

- sign 122.662+/-977.546 χ^2/NDF: 18.1/20

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3477.123+/-1.486 χ^2/NDF:234475.6/3

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

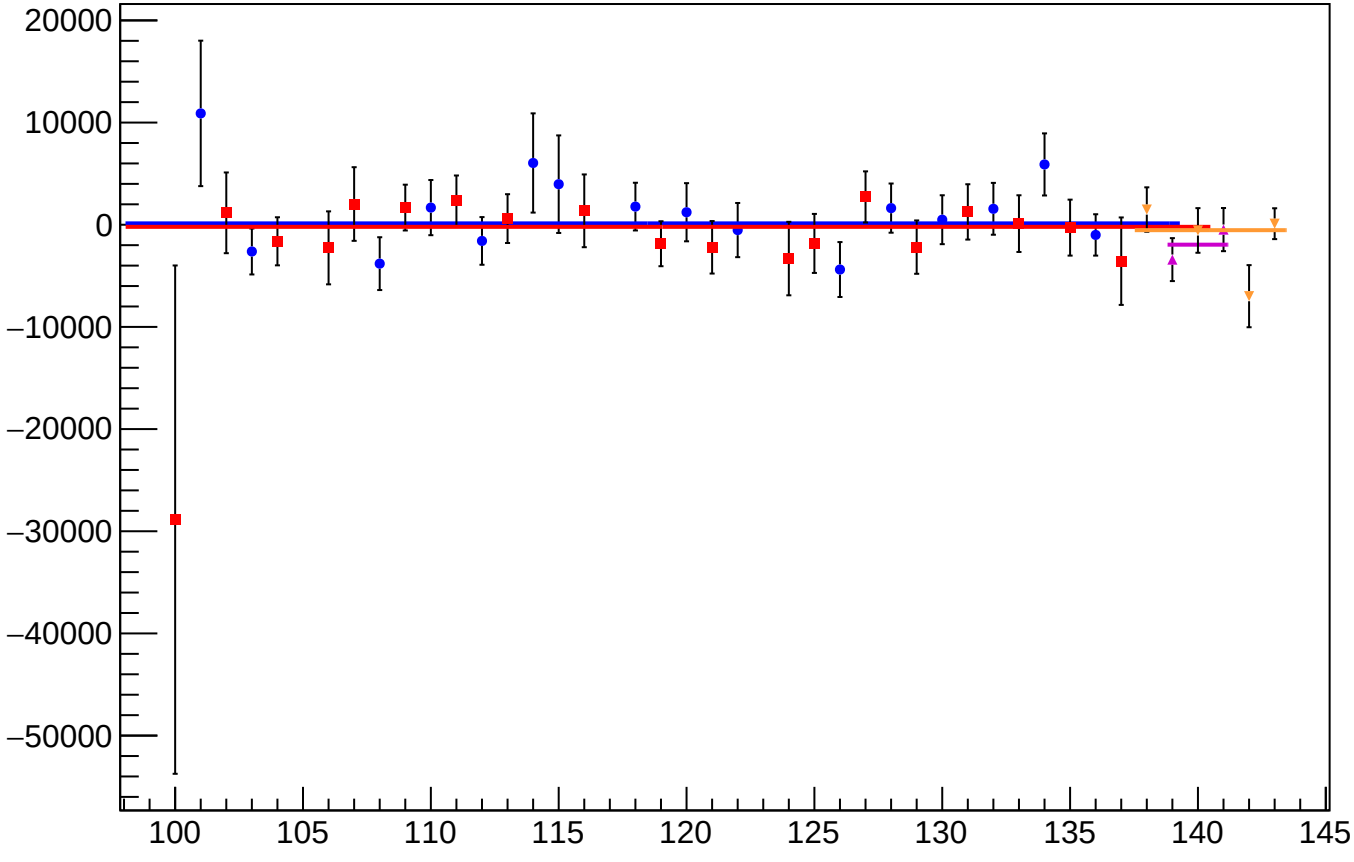
Left In: 4428.854+/-2.395 χ^2/NDF:14778.2/1

+ sign 2976.649+/-0.680 χ^2/NDF: 919918.7/19

All: 2925.861+/-0.485 χ^2/NDF: 2017650.4/40

- sign 2873.380+/-0.691 χ^2/NDF: 1086388.7/20

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: -531.489+/-1016.494 χ^2/NDF:5.6/3

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

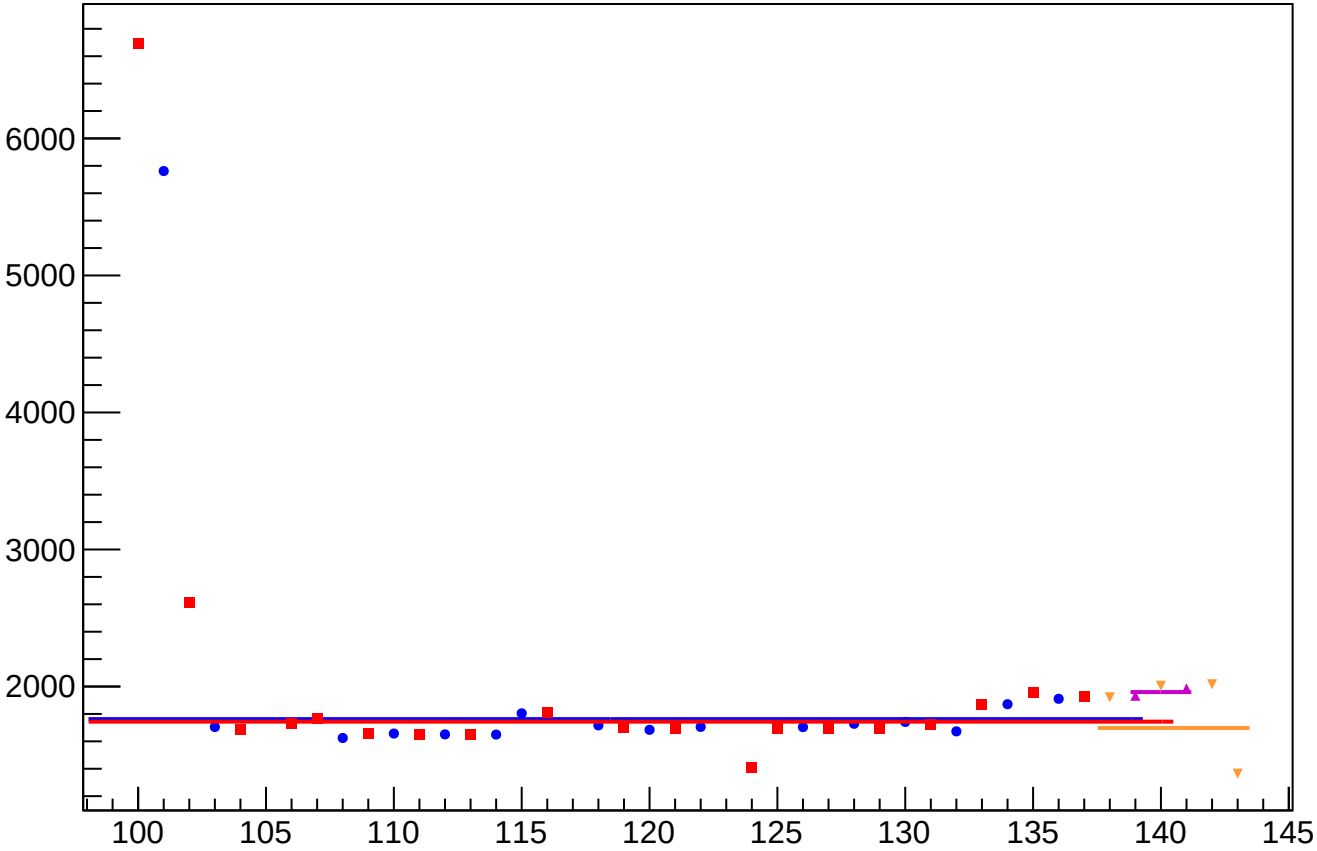
Left In: -1950.616+/-1489.777 χ^2/NDF:1.0/1

+ sign -68.349+/-560.355 χ^2/NDF: 23.1/19

All: -264.011+/-409.268 χ^2/NDF: 35.2/40

- sign -487.725+/-599.179 χ^2/NDF: 11.8/20

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1697.707+/-0.719 χ^2/NDF:180387.1/3

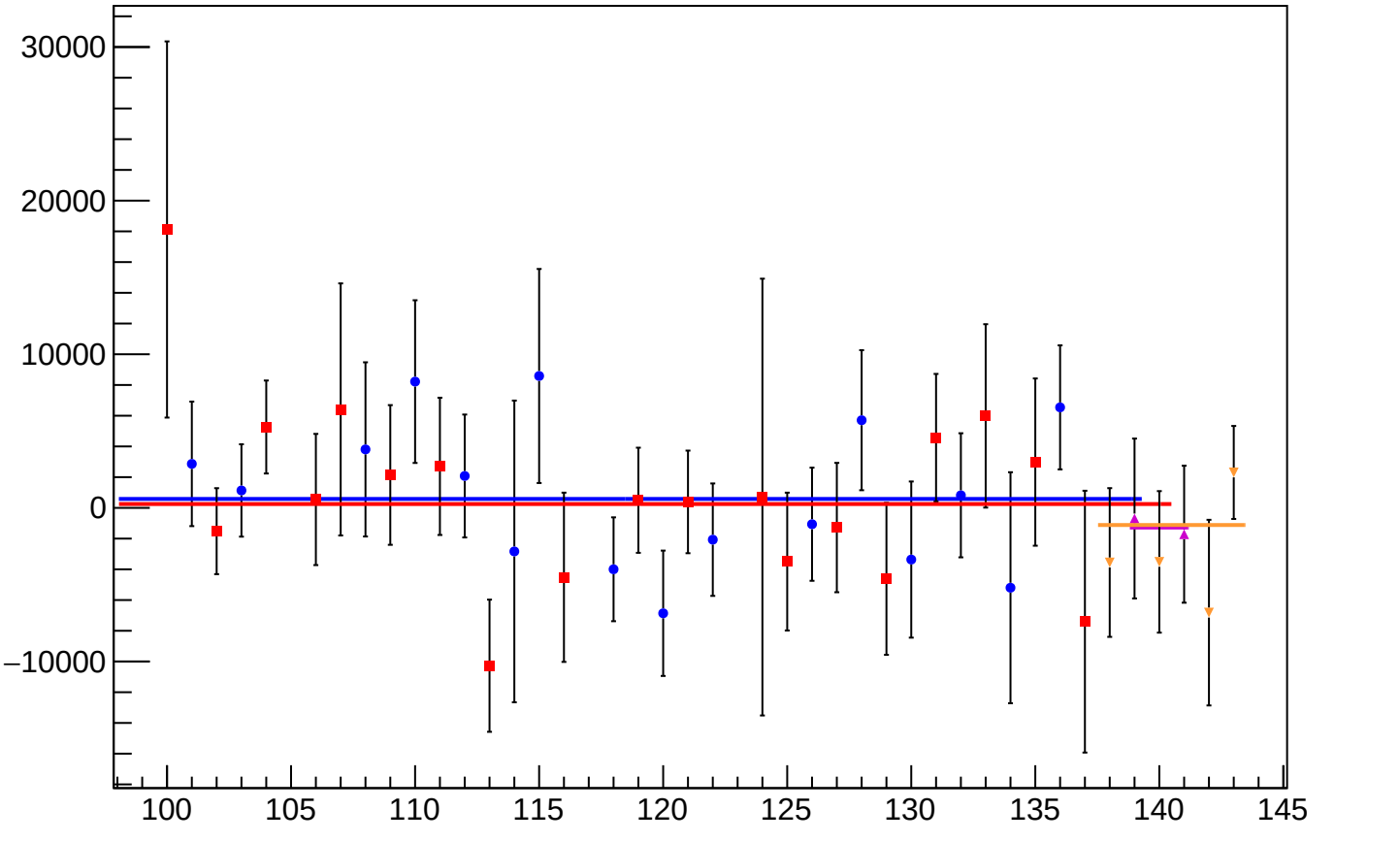
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1959.596+/-1.053 χ^2/NDF:653.0/1

+ sign 1742.498+/-0.396 χ^2/NDF: 853662.4/19

All: 1759.326+/-0.289 χ^2/NDF: 1121167.3/40

- sign 1778.474+/-0.423 χ^2/NDF: 263648.7/20



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1115.819+/-2101.879 χ^2/NDF:2.7/3

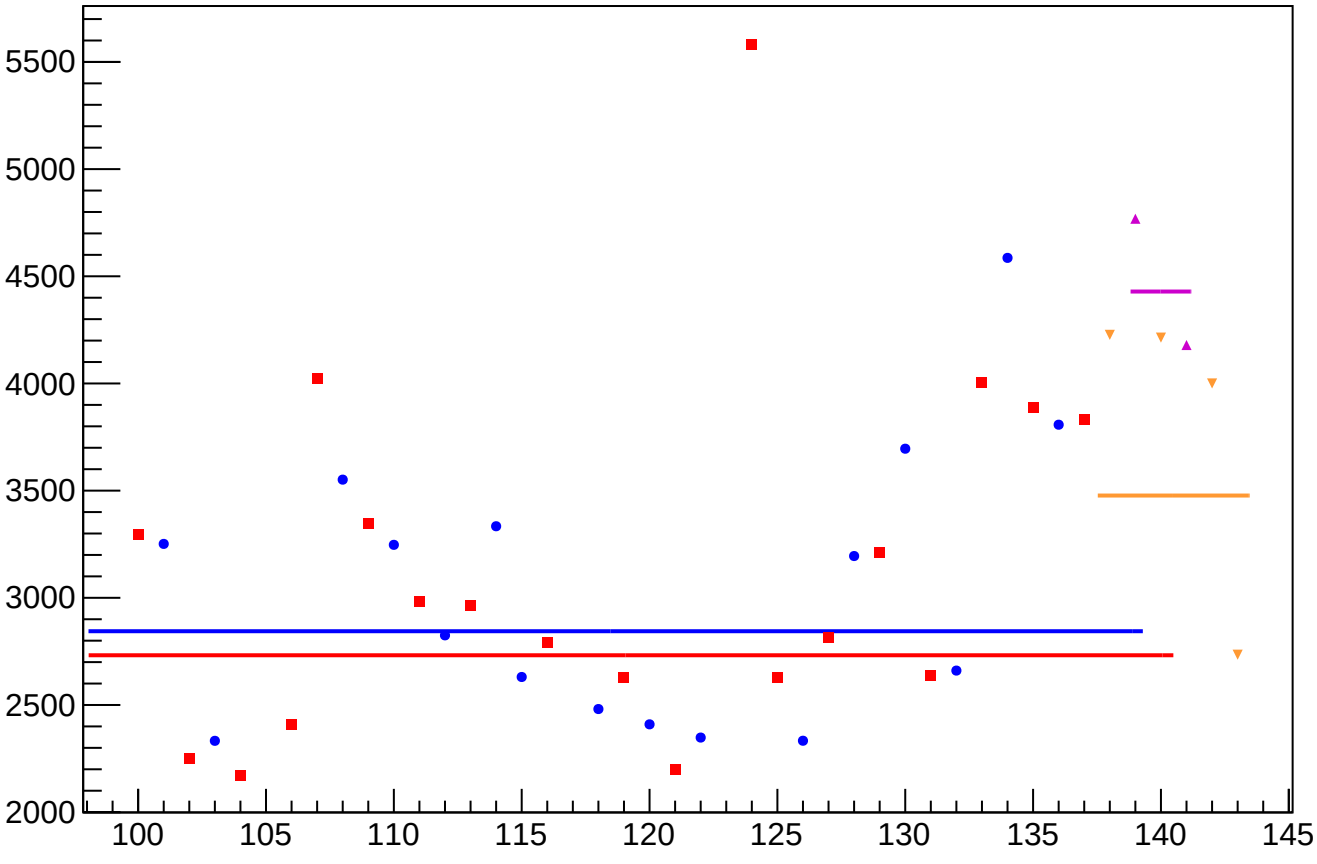
Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1280.575+/-3386.379 χ^2/NDF:0.0/1

+ sign 226.779+/-961.650 χ^2/NDF: 18.1/19

All: 175.574+/-685.540 χ^2/NDF: 36.2/40

- sign 122.663+/-977.545 χ^2/NDF: 18.1/20



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3477.128+/-1.486 χ^2/NDF:234478.9/3

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

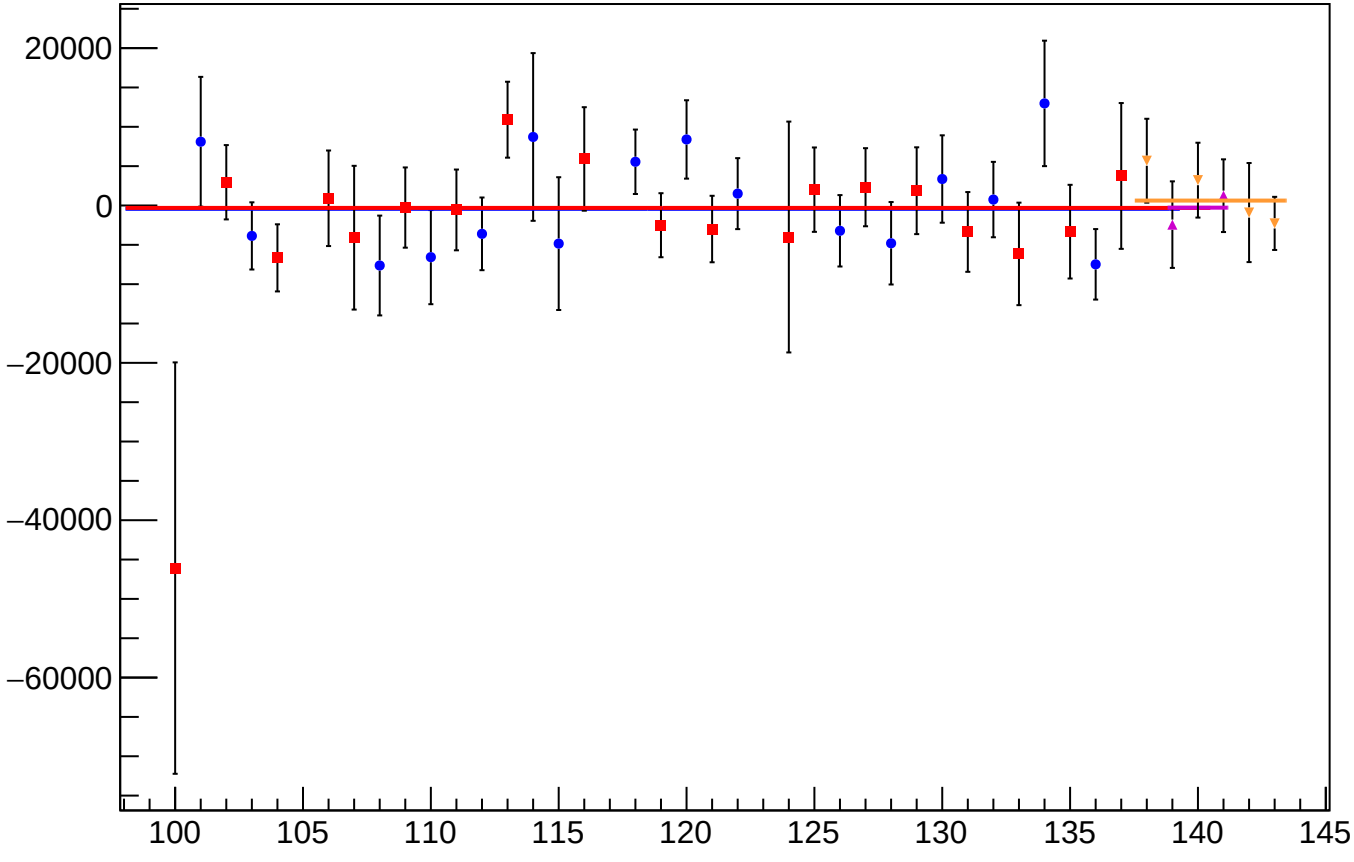
Left In: 4428.865+/-2.395 χ^2/NDF:14778.8/1

+ sign 2976.643+/-0.680 χ^2/NDF: 919930.9/19

All: 2925.855+/-0.485 χ^2/NDF: 2017667.3/40

- sign 2873.374+/-0.691 χ^2/NDF: 1086393.5/20

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 624.156+/-2280.005 χ^2/NDF:2.0/3

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

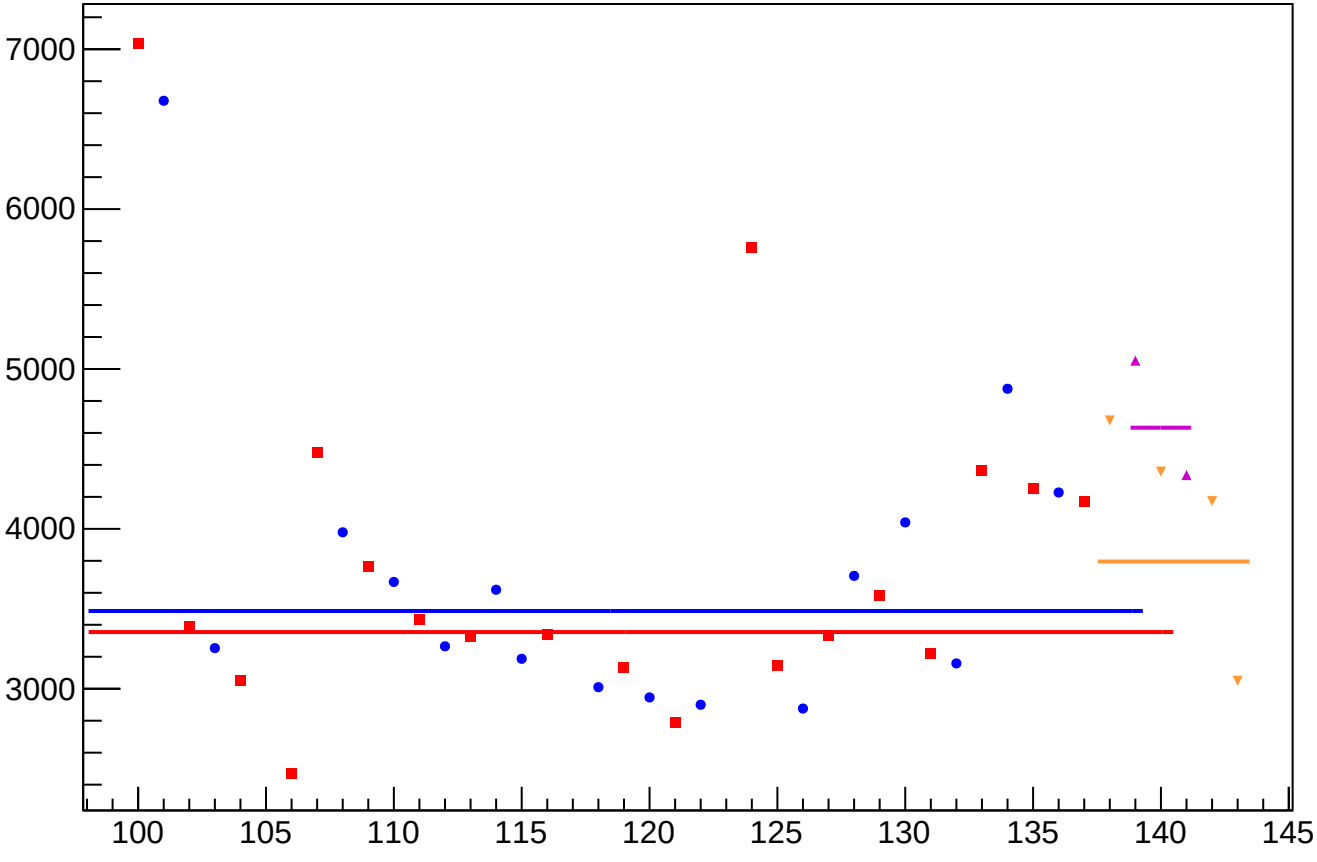
Left In: -276.411+/-3538.112 χ^2/NDF:0.3/1

+ sign -158.058+/-1147.058 χ^2/NDF: 20.1/19

All: -227.833+/-829.207 χ^2/NDF: 35.6/40

- sign -304.209+/-1200.091 χ^2/NDF: 15.5/20

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3795.540+/-1.612 χ^2/NDF:187596.9/3

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

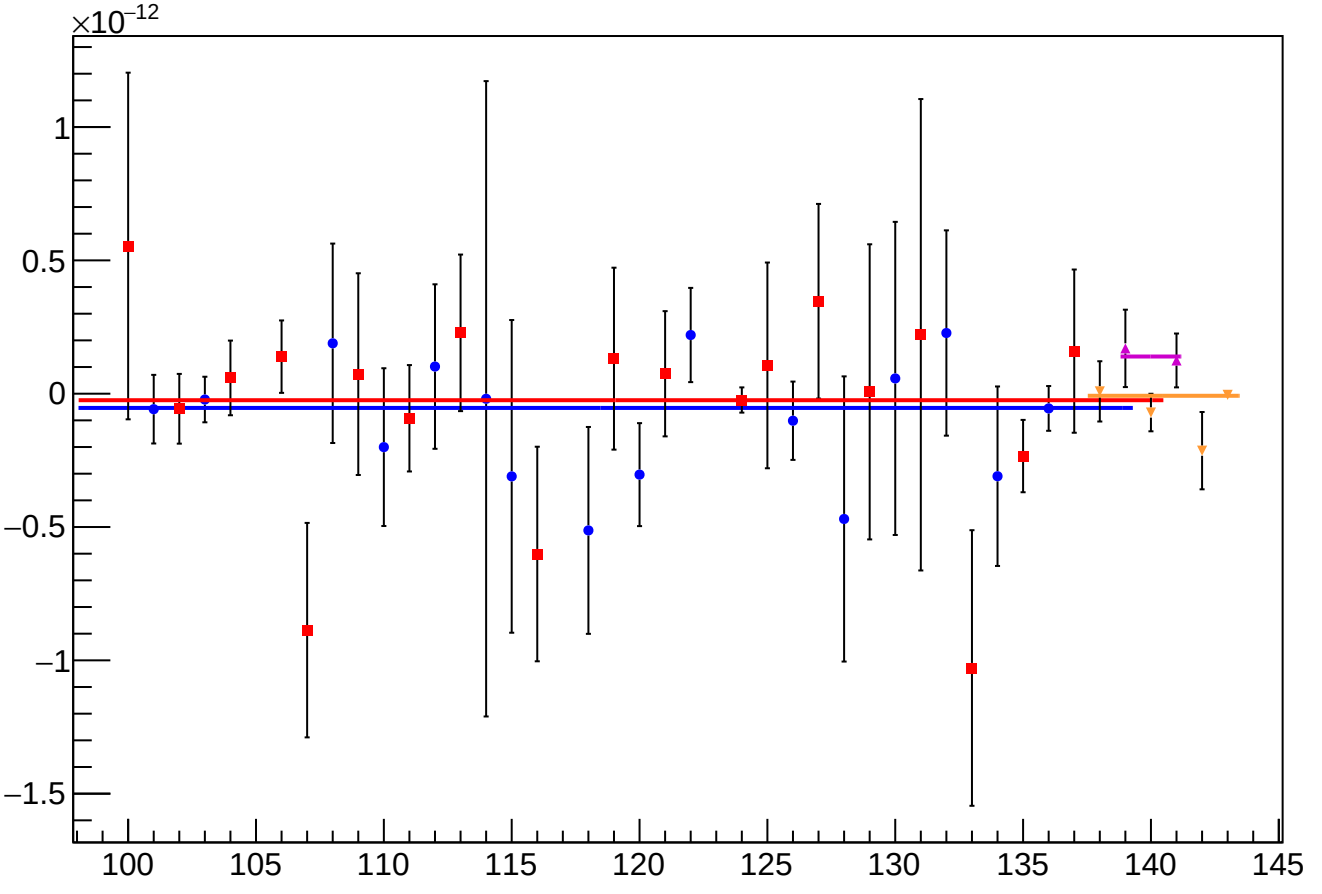
Left In: 4632.709+/-2.502 χ^2/NDF:19863.7/1

+ sign 3564.470+/-0.811 χ^2/NDF: 810891.0/19

All: 3532.264+/-0.583 χ^2/NDF: 1442204.7/40

- sign 3497.877+/-0.838 χ^2/NDF: 628053.6/20

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:2.9/3

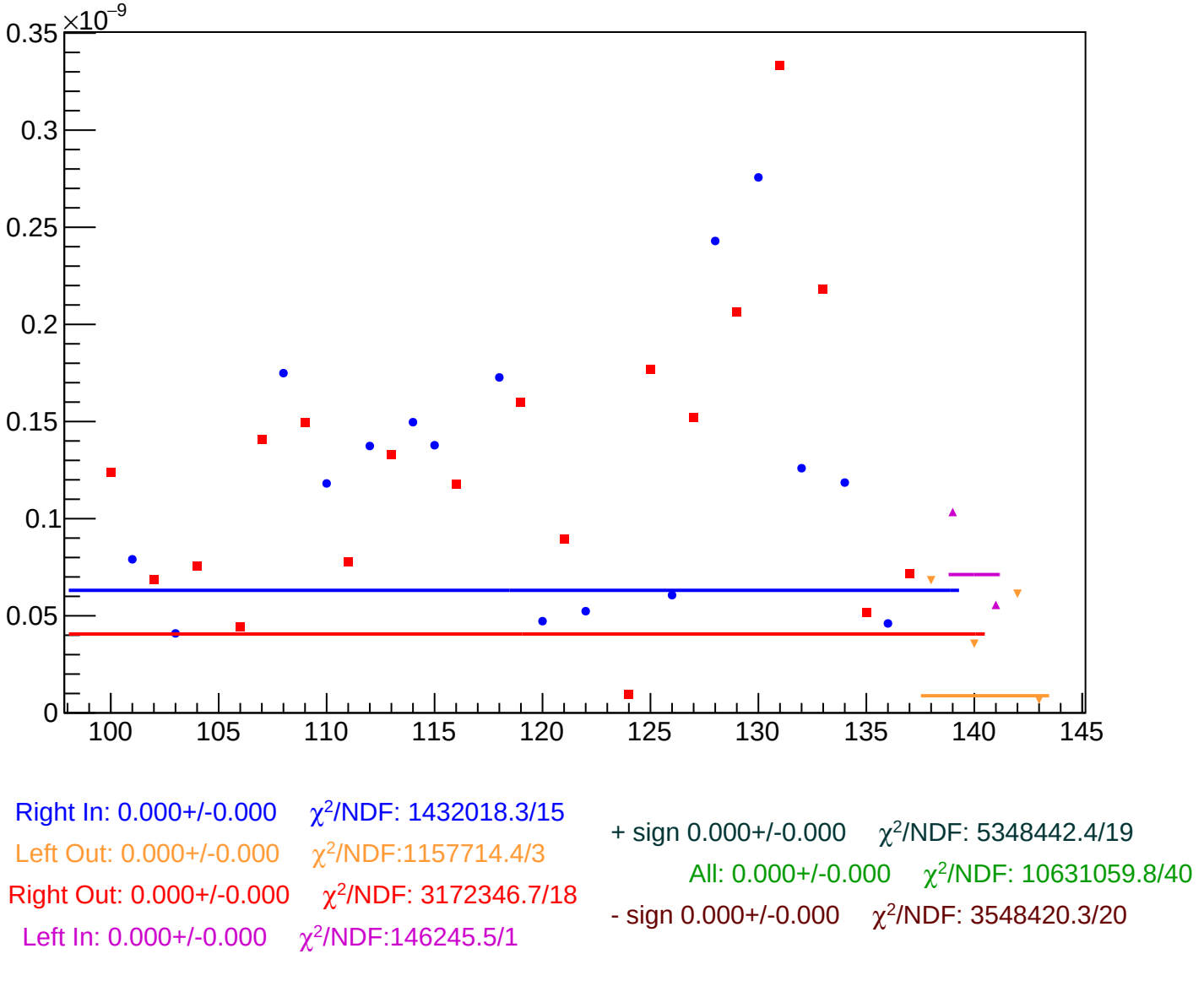
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

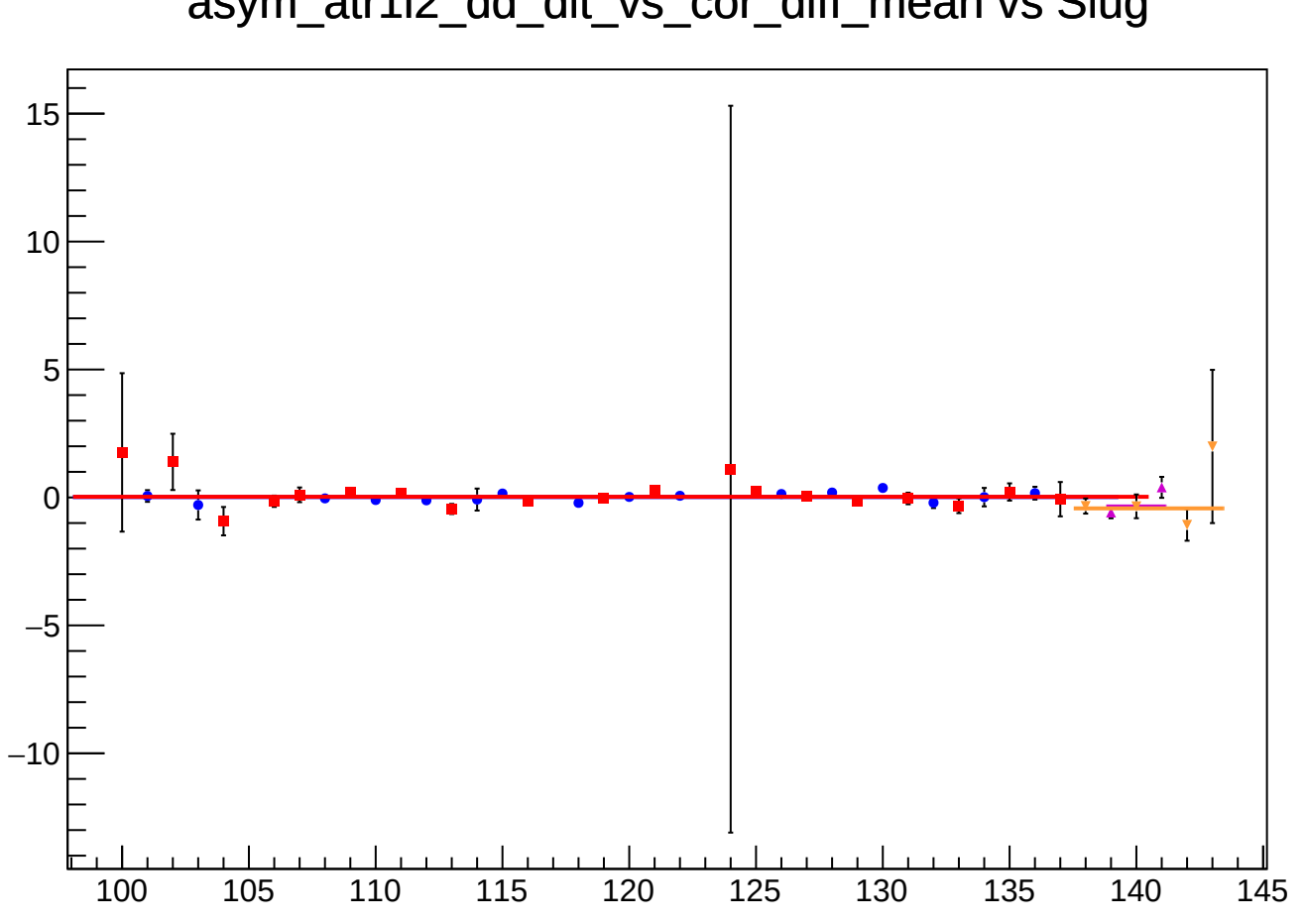
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 12.5/19

All: -0.000+/-0.000 χ^2/NDF: 34.3/40

- sign 0.000+/-0.000 χ^2/NDF: 21.7/20


asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1432018.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1157714.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 3172346.7/18
Left In: 0.000+/-0.000 χ²/NDF:146245.5/1
+ sign 0.000+/-0.000 χ²/NDF: 5348442.4/19
All: 0.000+/-0.000 χ²/NDF: 10631059.8/40
- sign 0.000+/-0.000 χ²/NDF: 3548420.3/20



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

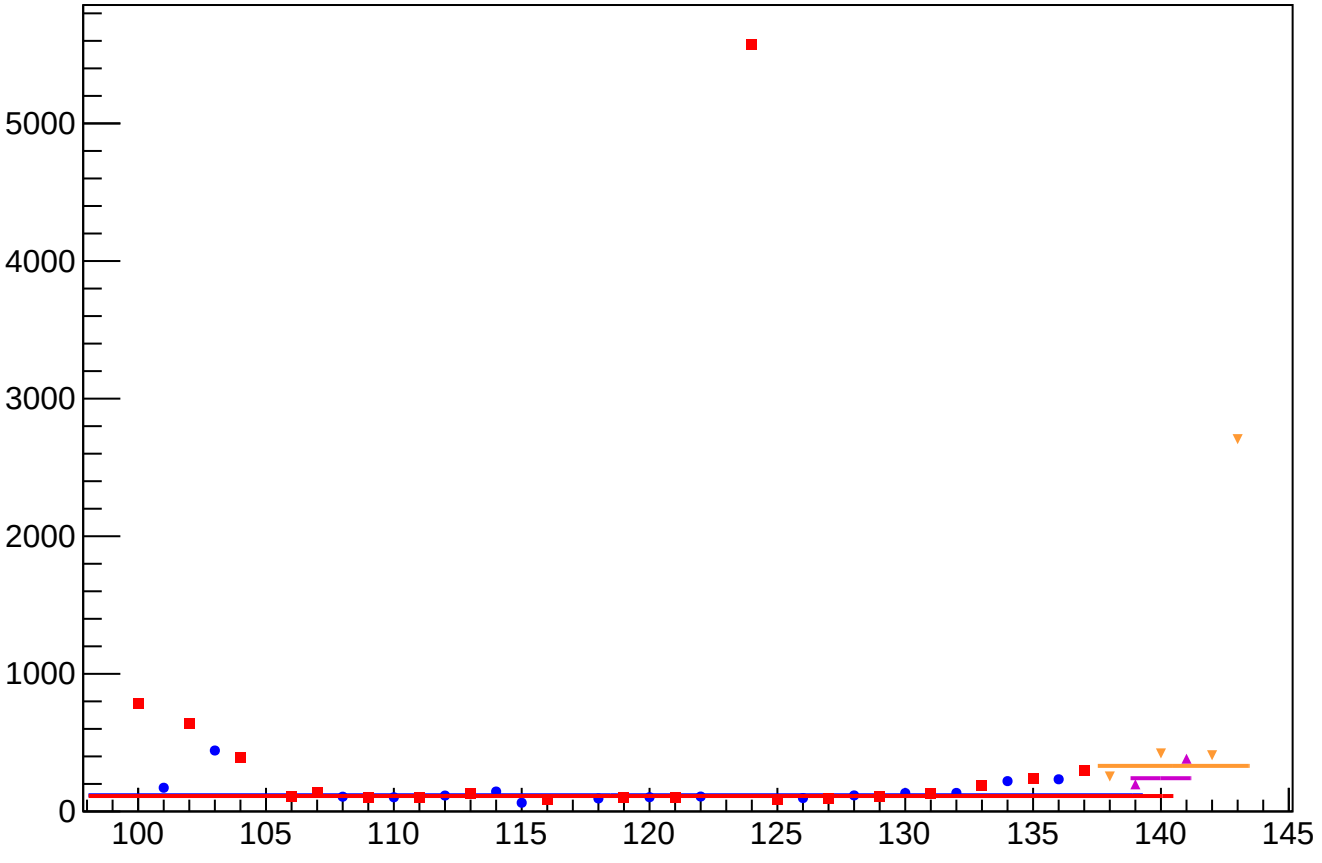
Left In: -0.352+/-0.200 χ^2/NDF:4.4/1

+ sign -0.003+/-0.047 χ^2/NDF: 17.2/19

All: 0.002+/-0.033 χ^2/NDF: 47.1/40

- sign 0.006+/-0.046 χ^2/NDF: 29.8/20

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 331.202+/-0.163 χ^2/NDF:1500909.0/3

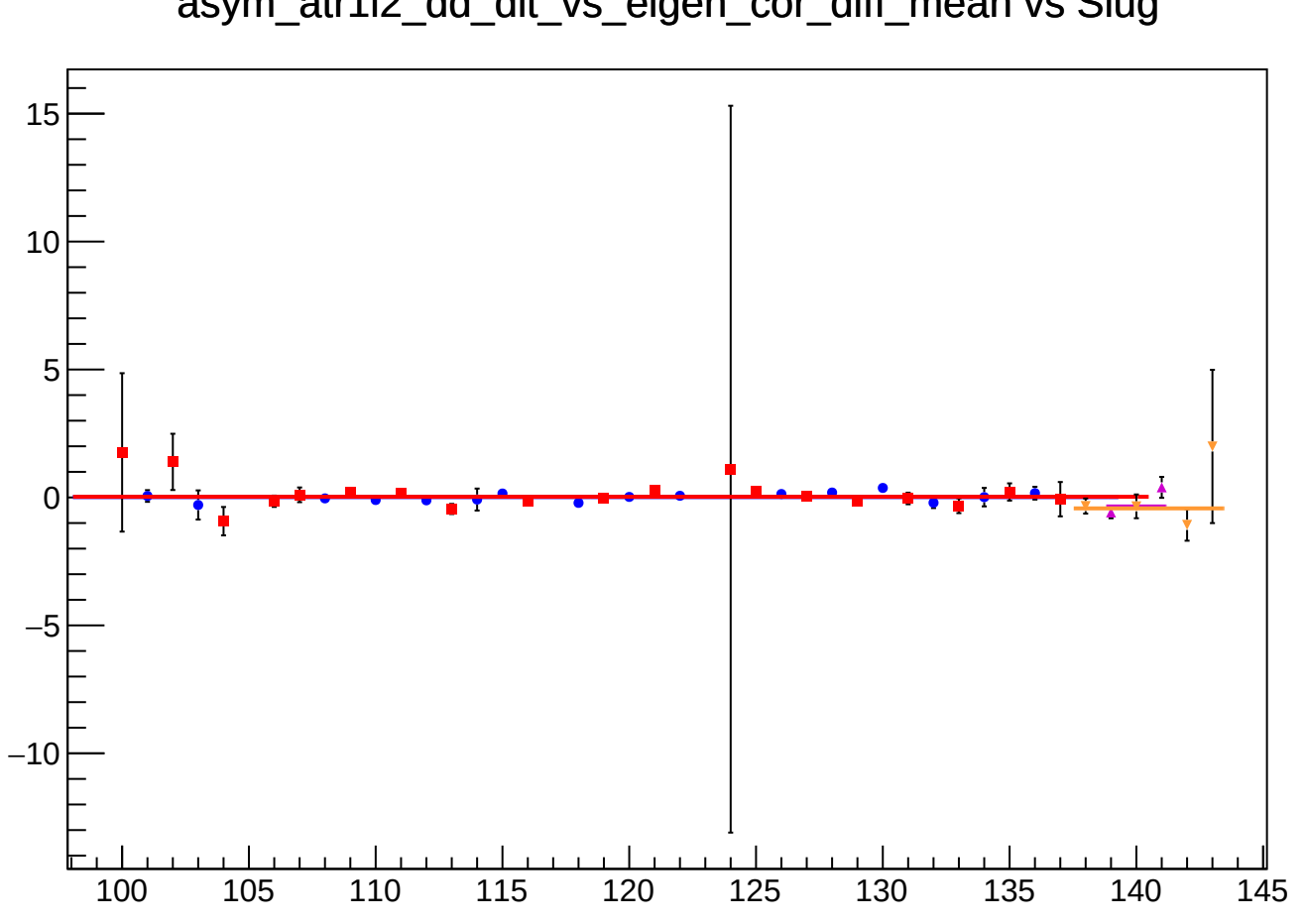
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 241.587+/-0.141 χ^2/NDF:314417.2/1

+ sign 126.501+/-0.033 χ^2/NDF: 4871471.3/19

All: 122.581+/-0.023 χ^2/NDF: 8195793.4/40

- sign 118.873+/-0.032 χ^2/NDF: 3297121.3/20



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

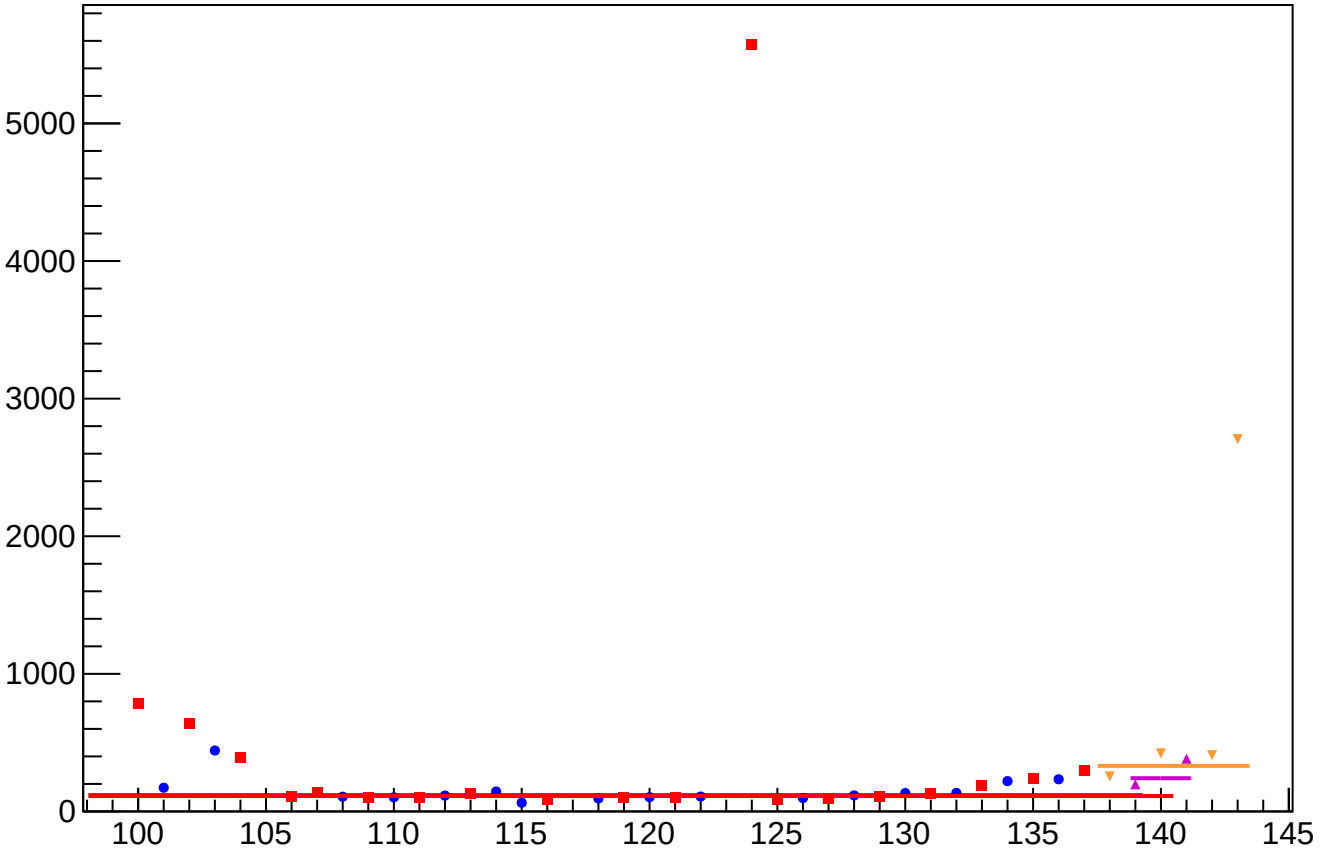
Left In: -0.352+/-0.200 χ^2/NDF:4.4/1

+ sign -0.003+/-0.047 χ^2/NDF: 17.2/19

All: 0.002+/-0.033 χ^2/NDF: 47.1/40

- sign 0.006+/-0.046 χ^2/NDF: 29.8/20

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: 331.202+/-0.163 χ^2/NDF:1500909.0/3

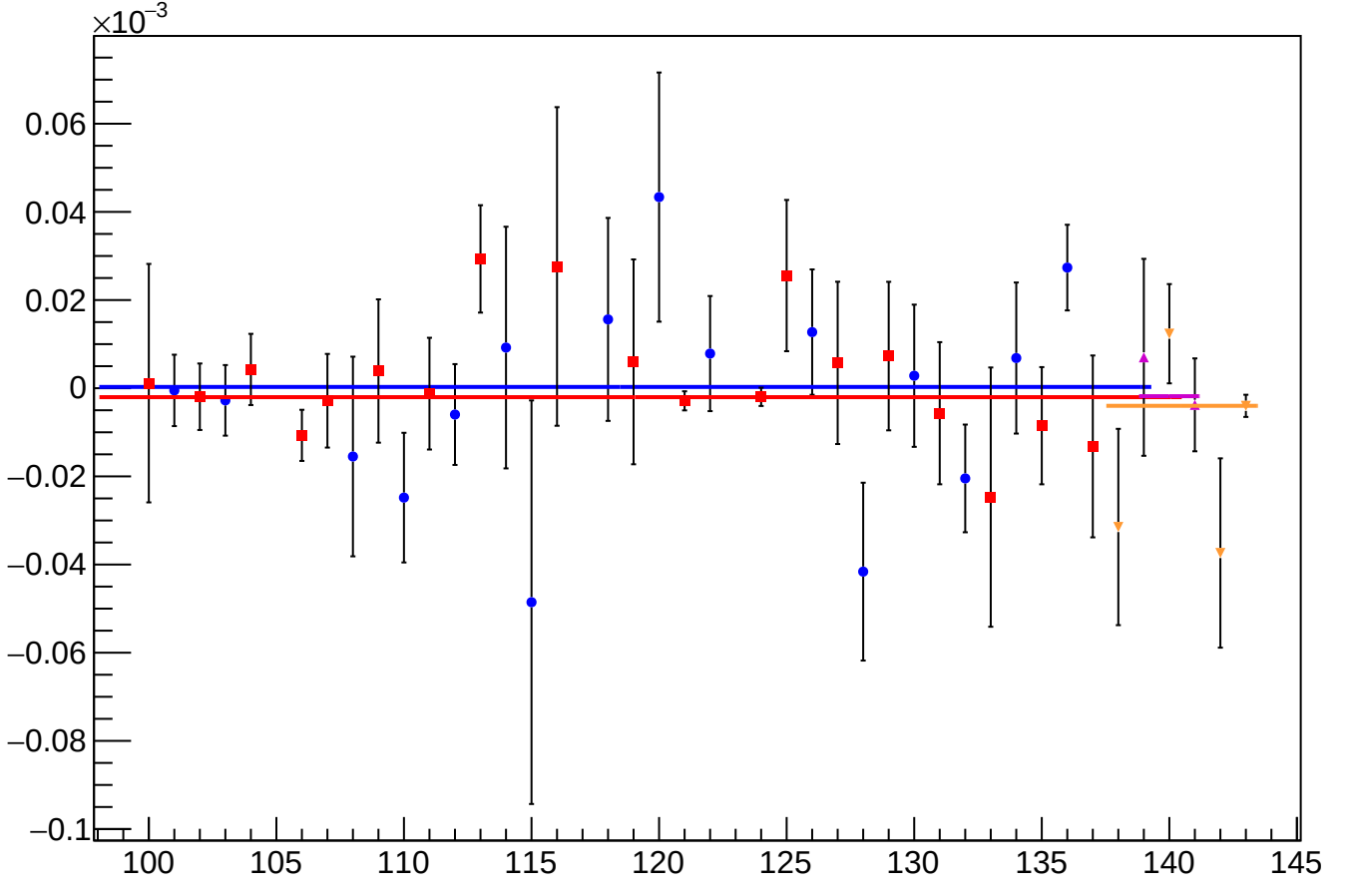
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 241.587+/-0.141 χ^2/NDF:314417.2/1

+ sign 126.501+/-0.033 χ^2/NDF: 4871471.3/19

All: 122.581+/-0.023 χ^2/NDF: 8195793.4/40

- sign 118.873+/-0.032 χ^2/NDF: 3297121.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/3

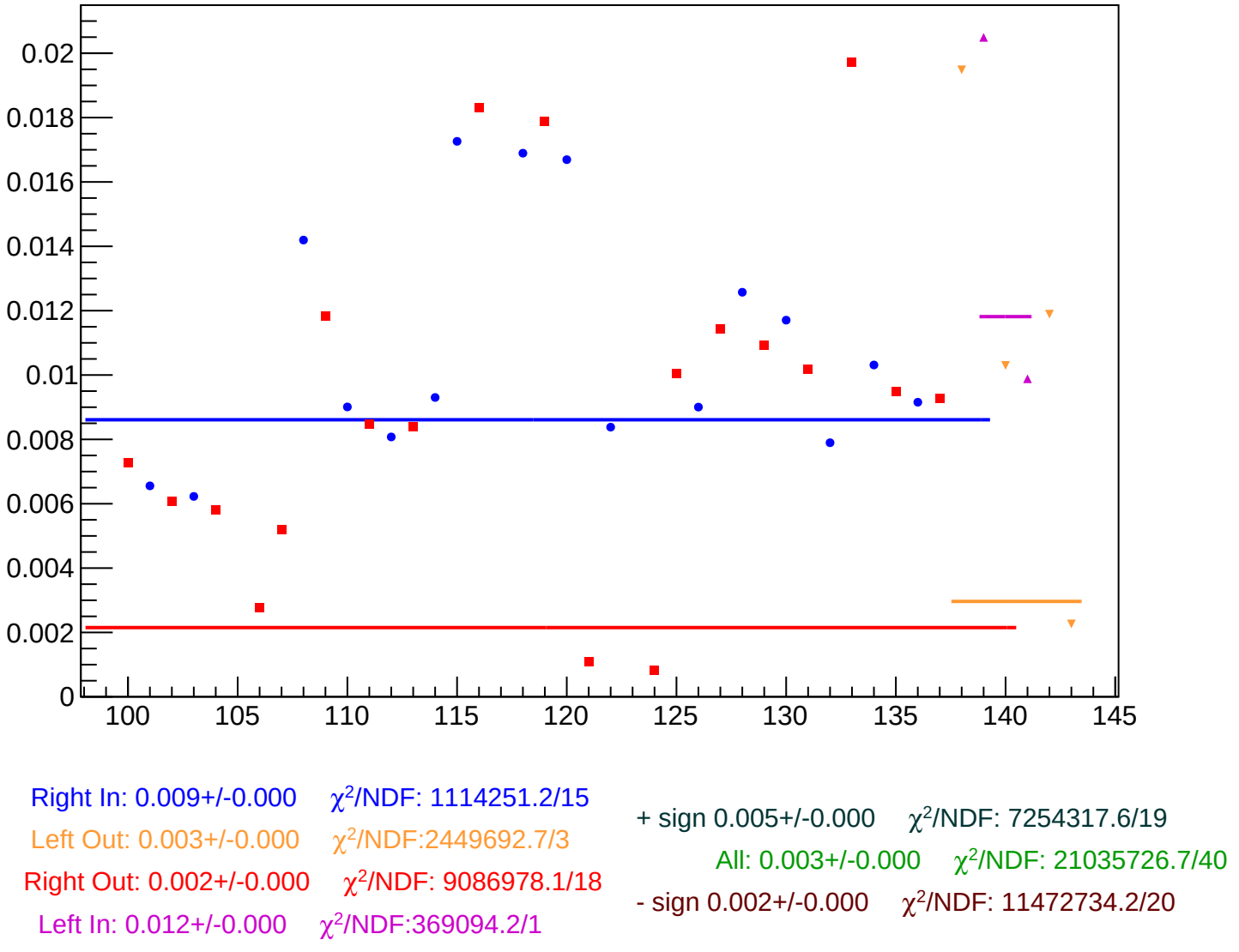
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

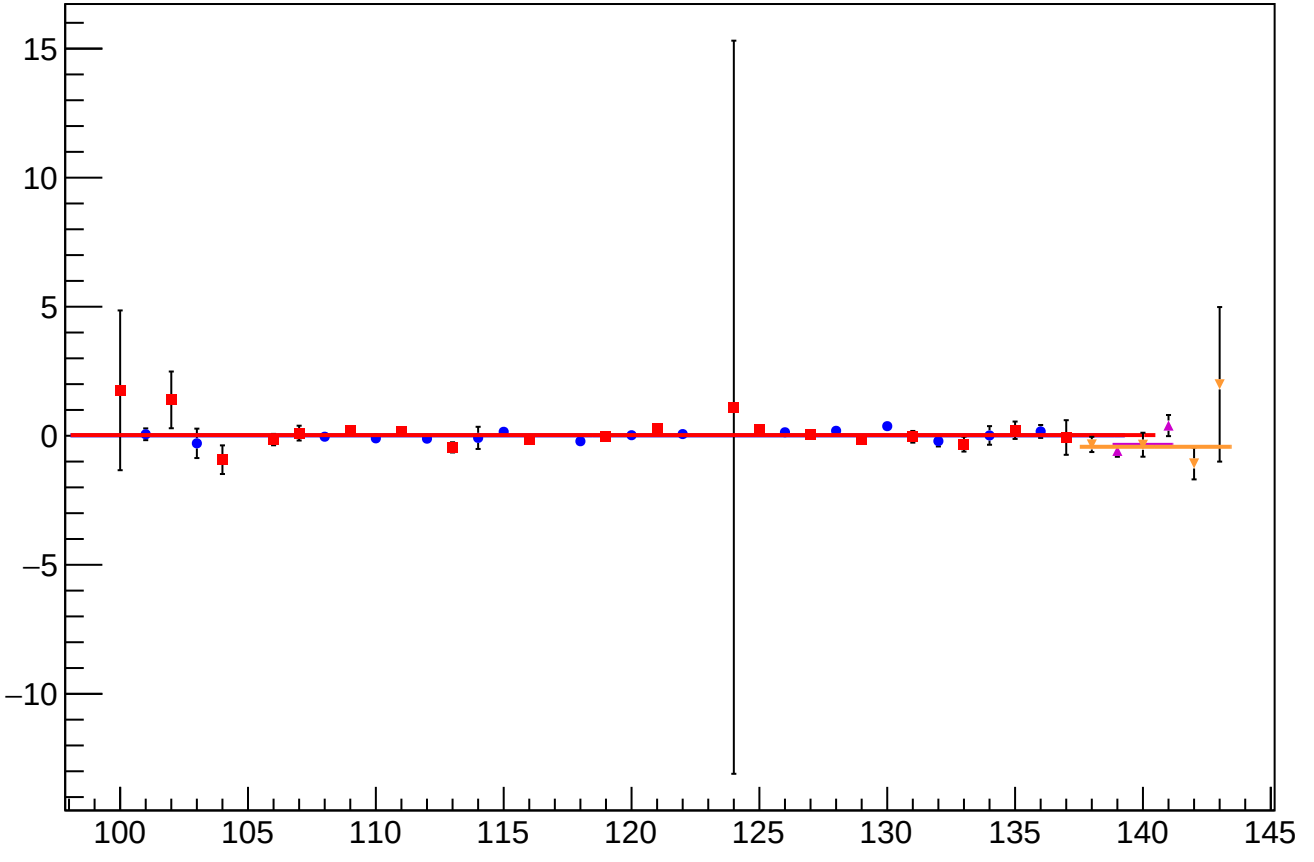
+ sign -0.000+/-0.000 χ^2/NDF: 31.2/19

All: -0.000+/-0.000 χ^2/NDF: 46.3/40

- sign -0.000+/-0.000 χ^2/NDF: 15.0/20


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:2449692.7/3
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.012+/-0.000 χ²/NDF:369094.2/1
+ sign 0.005+/-0.000 χ²/NDF: 7254317.6/19
All: 0.003+/-0.000 χ²/NDF: 21035726.7/40
- sign 0.002+/-0.000 χ²/NDF: 11472734.2/20

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: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

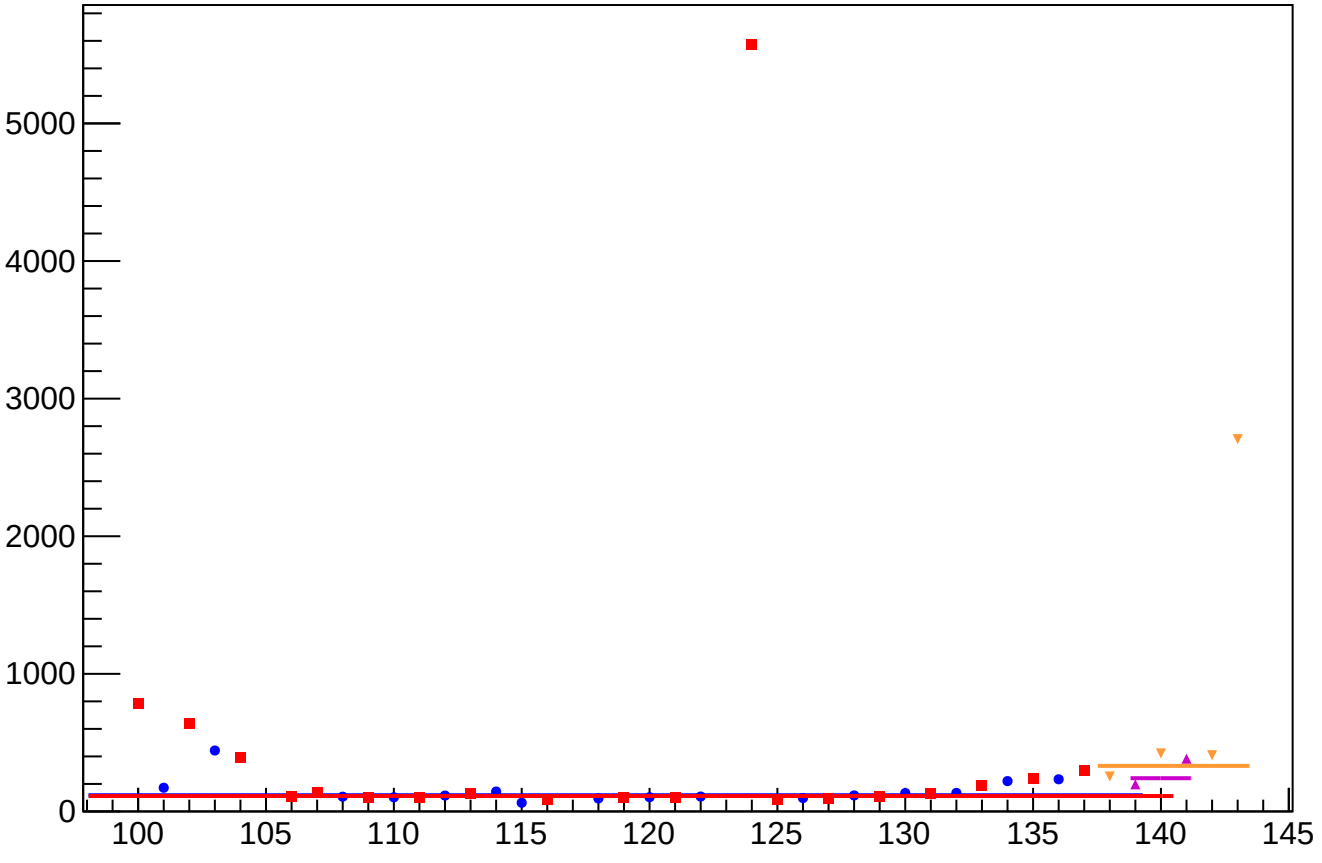
Left In: -0.352+/-0.200 χ^2/NDF:4.4/1

+ sign -0.003+/-0.047 χ^2/NDF: 17.2/19

All: 0.002+/-0.033 χ^2/NDF: 47.1/40

- sign 0.006+/-0.046 χ^2/NDF: 29.8/20

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: 331.206+/-0.163 χ^2/NDF:1500912.1/3

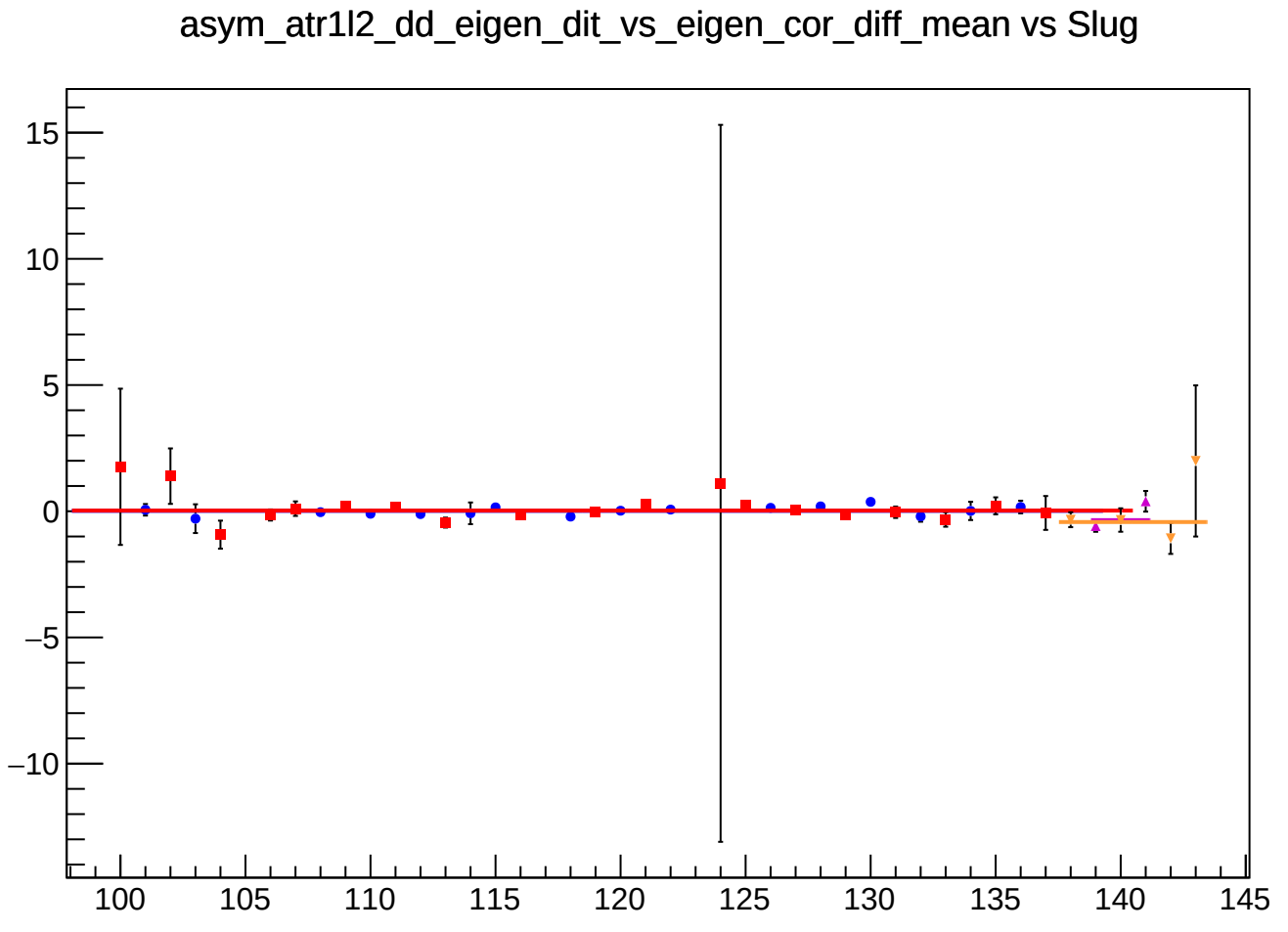
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 241.592+/-0.141 χ^2/NDF:314410.6/1

+ sign 126.501+/-0.033 χ^2/NDF: 4871466.6/19

All: 122.582+/-0.023 χ^2/NDF: 8195709.4/40

- sign 118.874+/-0.032 χ^2/NDF: 3297054.5/20



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.427+/-0.230 χ^2/NDF:1.9/3

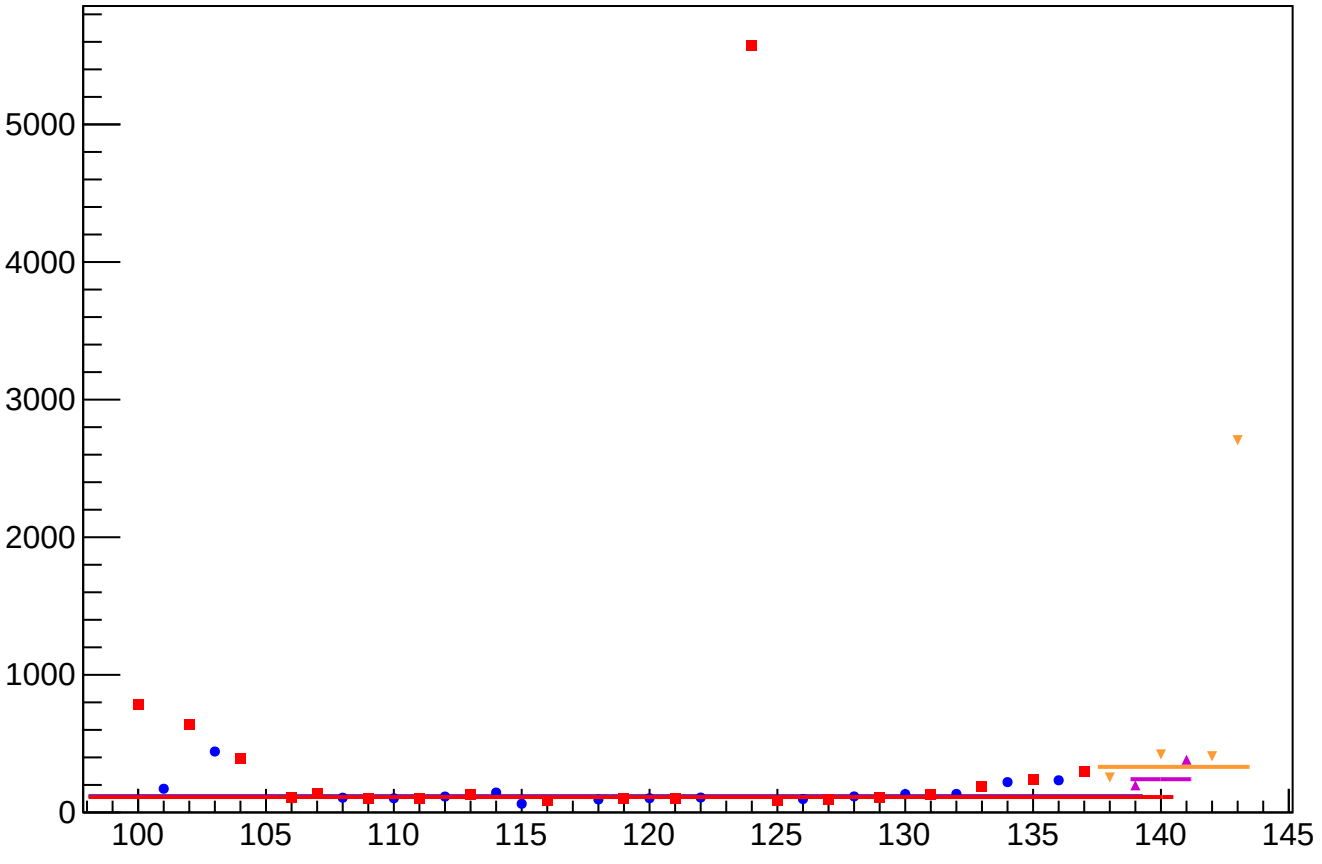
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.352+/-0.200 χ^2/NDF:4.4/1

+ sign -0.003+/-0.047 χ^2/NDF: 17.2/19

All: 0.002+/-0.033 χ^2/NDF: 47.1/40

- sign 0.006+/-0.046 χ^2/NDF: 29.8/20



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 331.206+/-0.163 χ^2/NDF:1500912.1/3

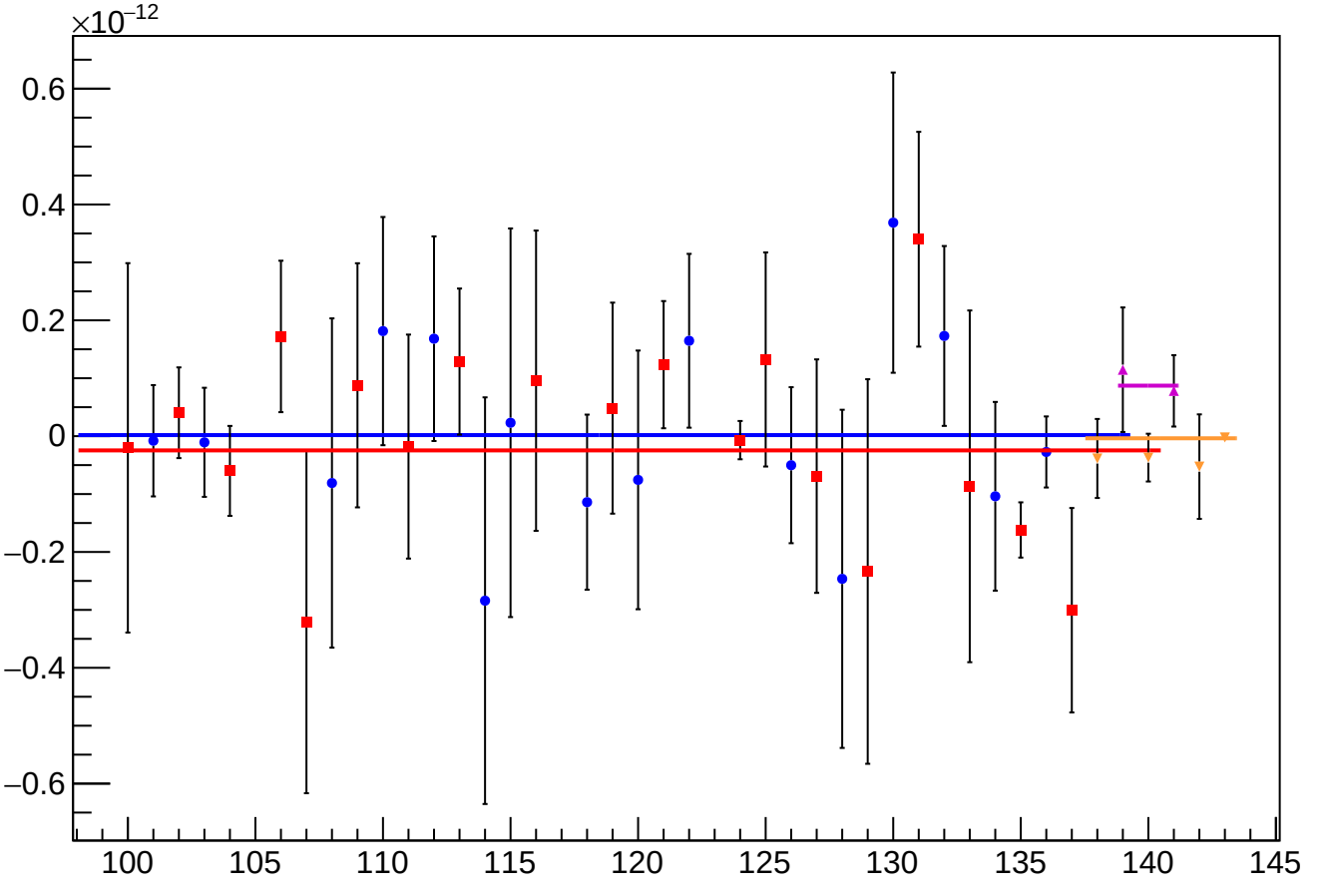
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 241.592+/-0.141 χ^2/NDF:314410.6/1

+ sign 126.501+/-0.033 χ^2/NDF: 4871466.6/19

All: 122.582+/-0.023 χ^2/NDF: 8195709.4/40

- sign 118.874+/-0.032 χ^2/NDF: 3297054.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/3

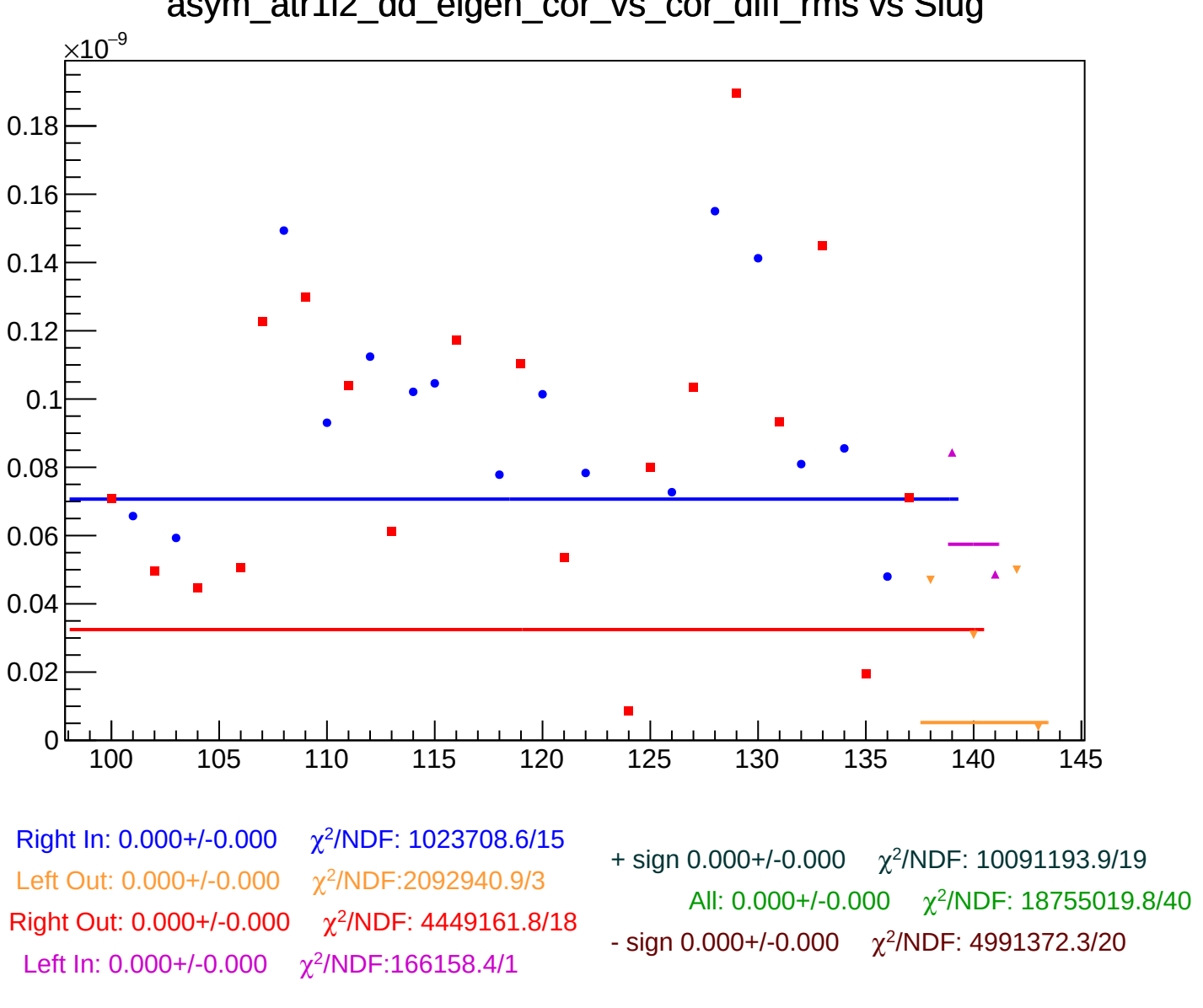
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

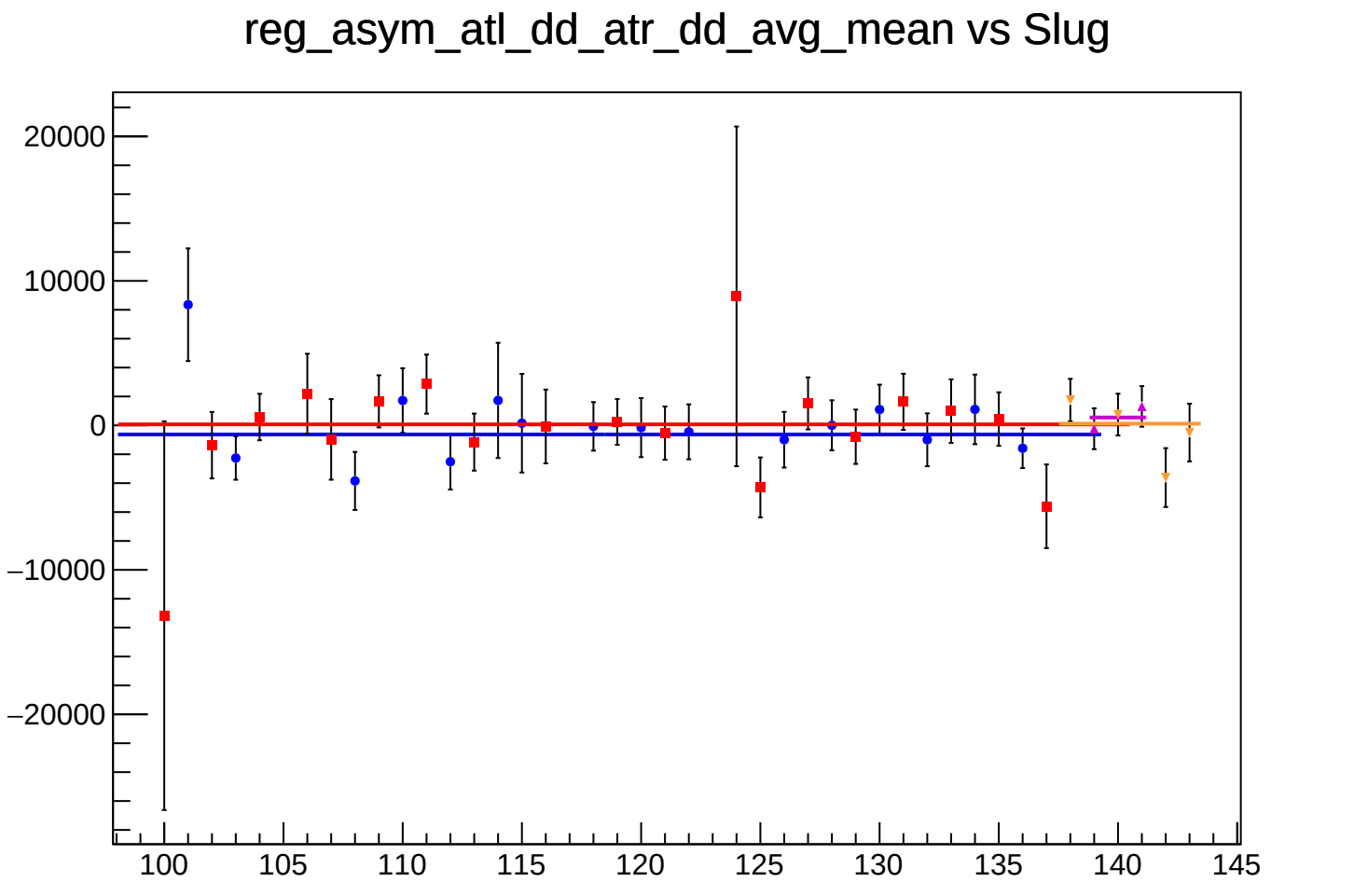
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 10.4/19

All: -0.000+/-0.000 χ^2/NDF: 38.5/40

- sign -0.000+/-0.000 χ^2/NDF: 28.1/20


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:2092940.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:166158.4/1
+ sign 0.000+/-0.000 χ²/NDF: 10091193.9/19
All: 0.000+/-0.000 χ²/NDF: 18755019.8/40
- sign 0.000+/-0.000 χ²/NDF: 4991372.3/20



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.630+/-835.862 χ^2/NDF:4.9/3

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

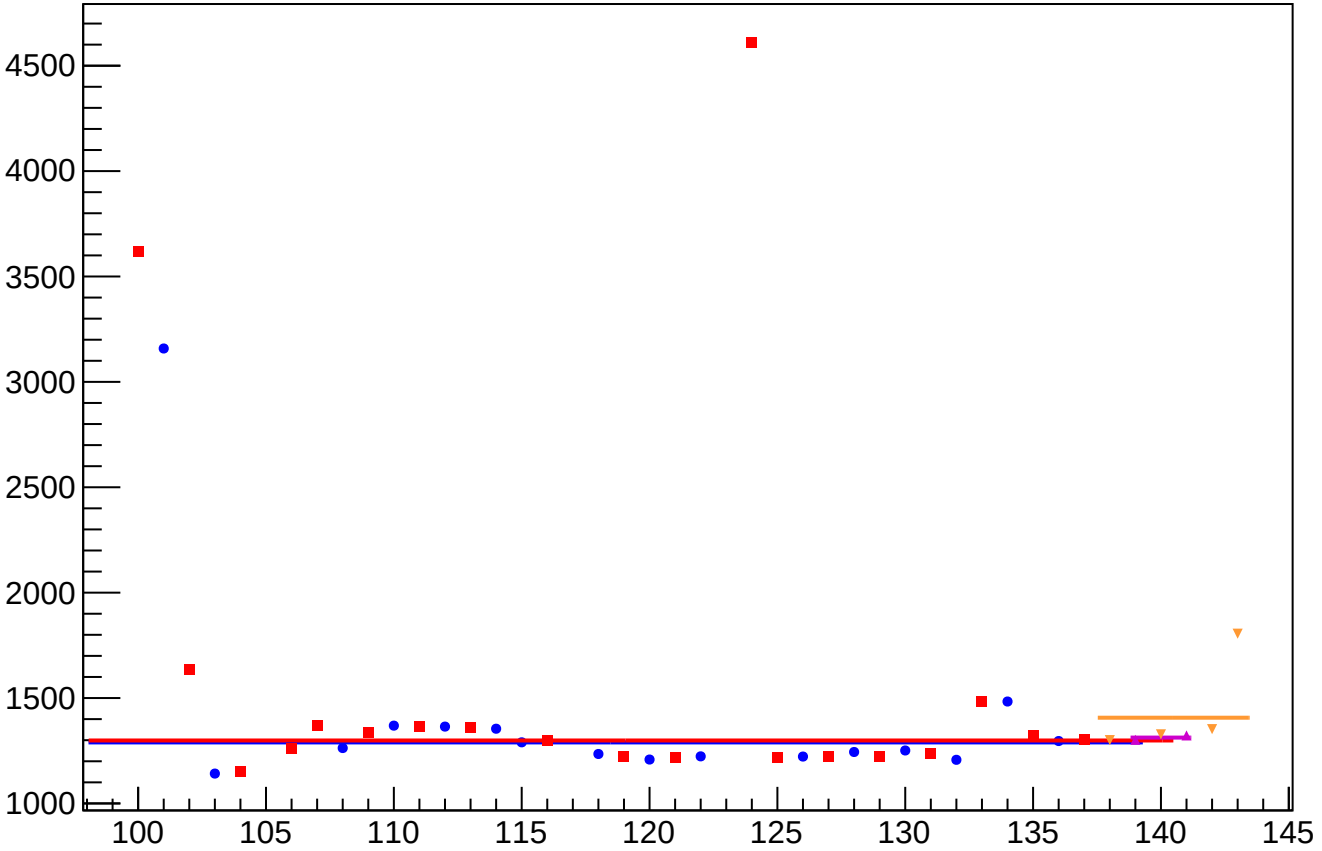
Left In: 544.636+/-997.379 χ^2/NDF:0.6/1

+ sign -440.338+/-421.860 χ^2/NDF: 19.4/19

All: -151.692+/-303.902 χ^2/NDF: 37.0/40

- sign 159.704+/-438.170 χ^2/NDF: 16.7/20

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

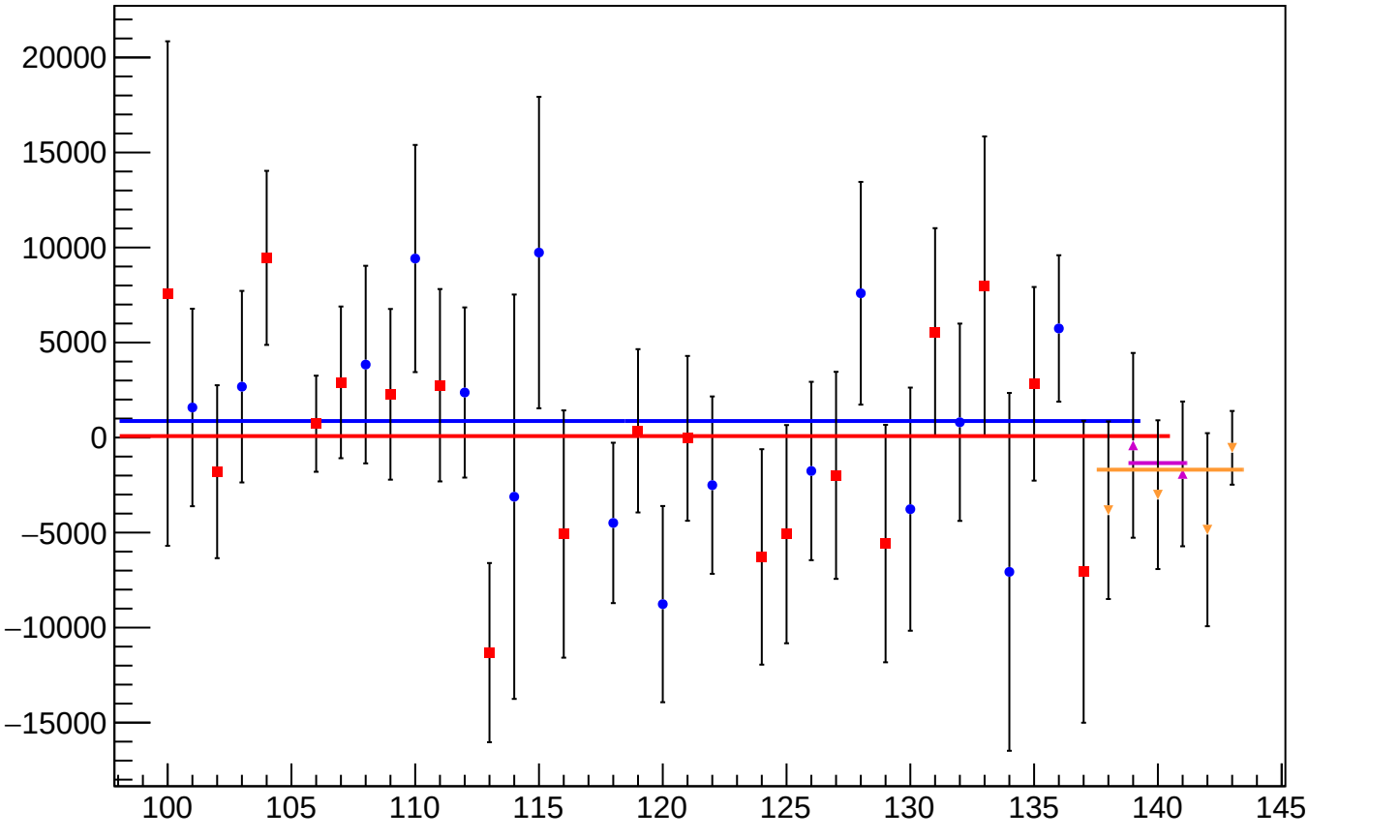
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641366.4/19

All: 1310.634+/-0.215 χ^2/NDF: 963026.0/40

- sign 1301.294+/-0.309 χ^2/NDF: 319897.7/20



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1690.456+/-1551.152 χ^2/NDF:1.1/3

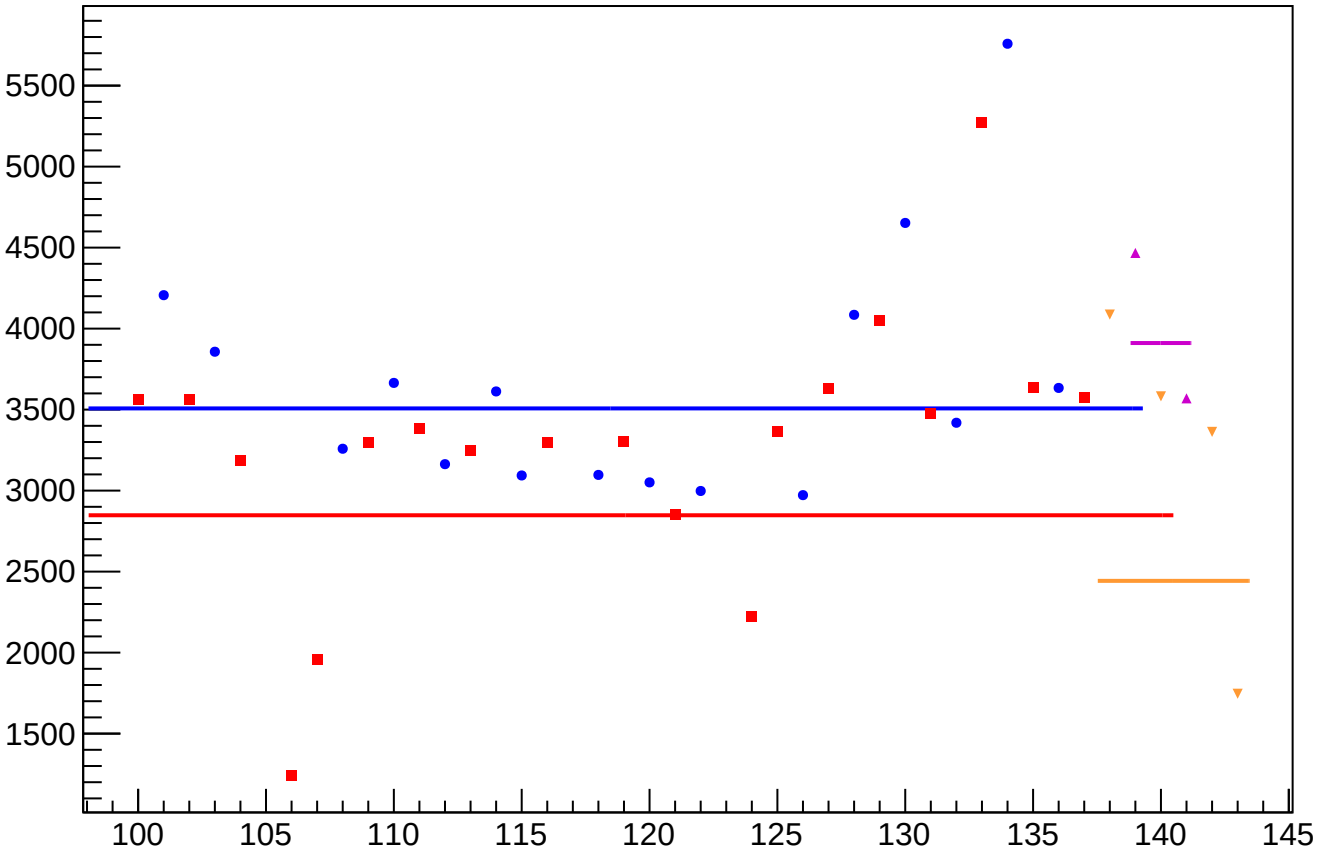
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1340.957+/-2998.457 χ^2/NDF:0.1/1

+ sign -210.228+/-1007.599 χ^2/NDF: 16.7/19

All: -154.010+/-724.285 χ^2/NDF: 35.3/40

- sign -93.905+/-1041.848 χ^2/NDF: 18.6/20



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2442.889+/-1.097 χ^2/NDF:740457.4/3

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

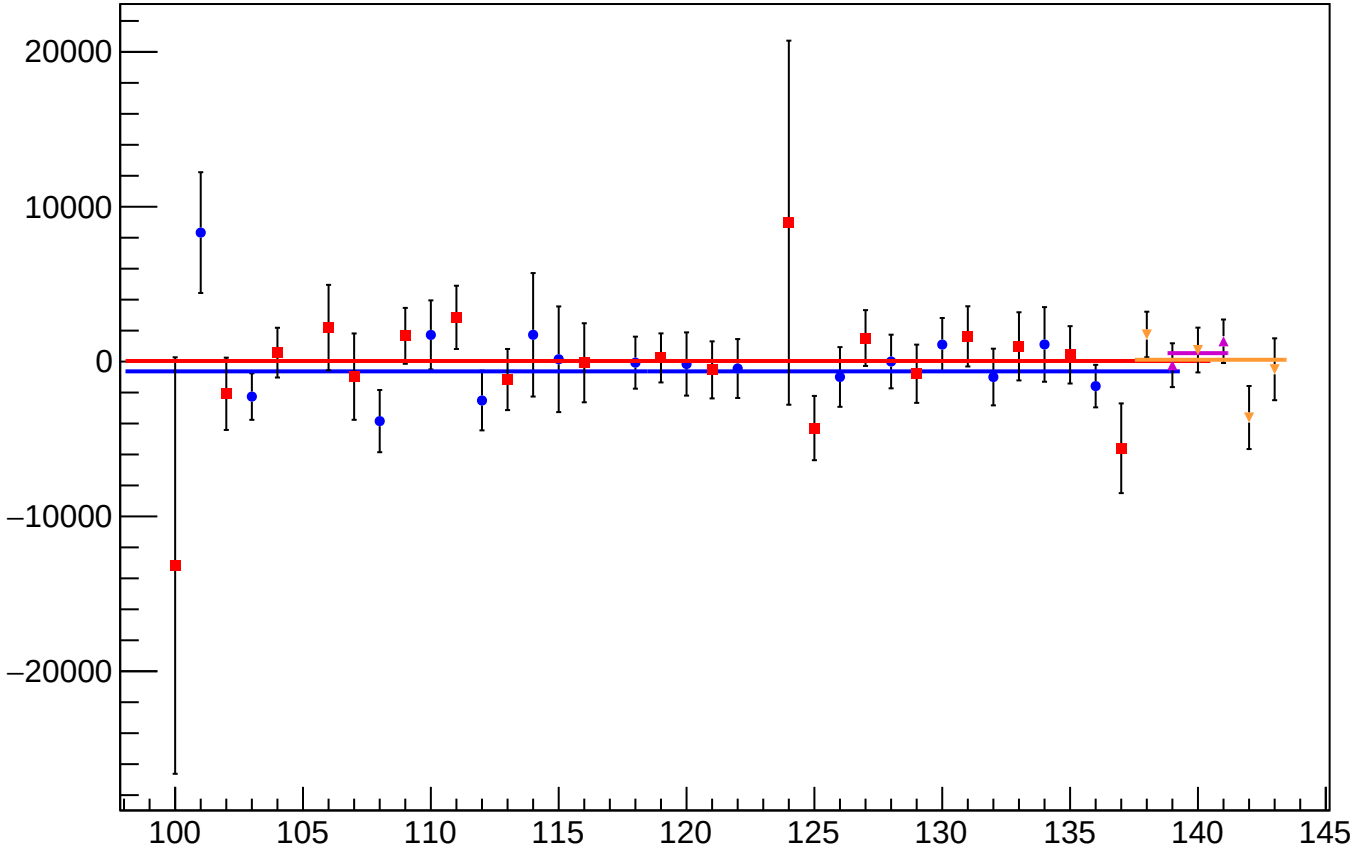
Left In: 3910.991+/-2.120 χ^2/NDF:42242.3/1

+ sign 3058.222+/-0.712 χ^2/NDF: 1638914.9/19

All: 3018.575+/-0.512 χ^2/NDF: 3408019.5/40

- sign 2976.187+/-0.737 χ^2/NDF: 1762697.4/20

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

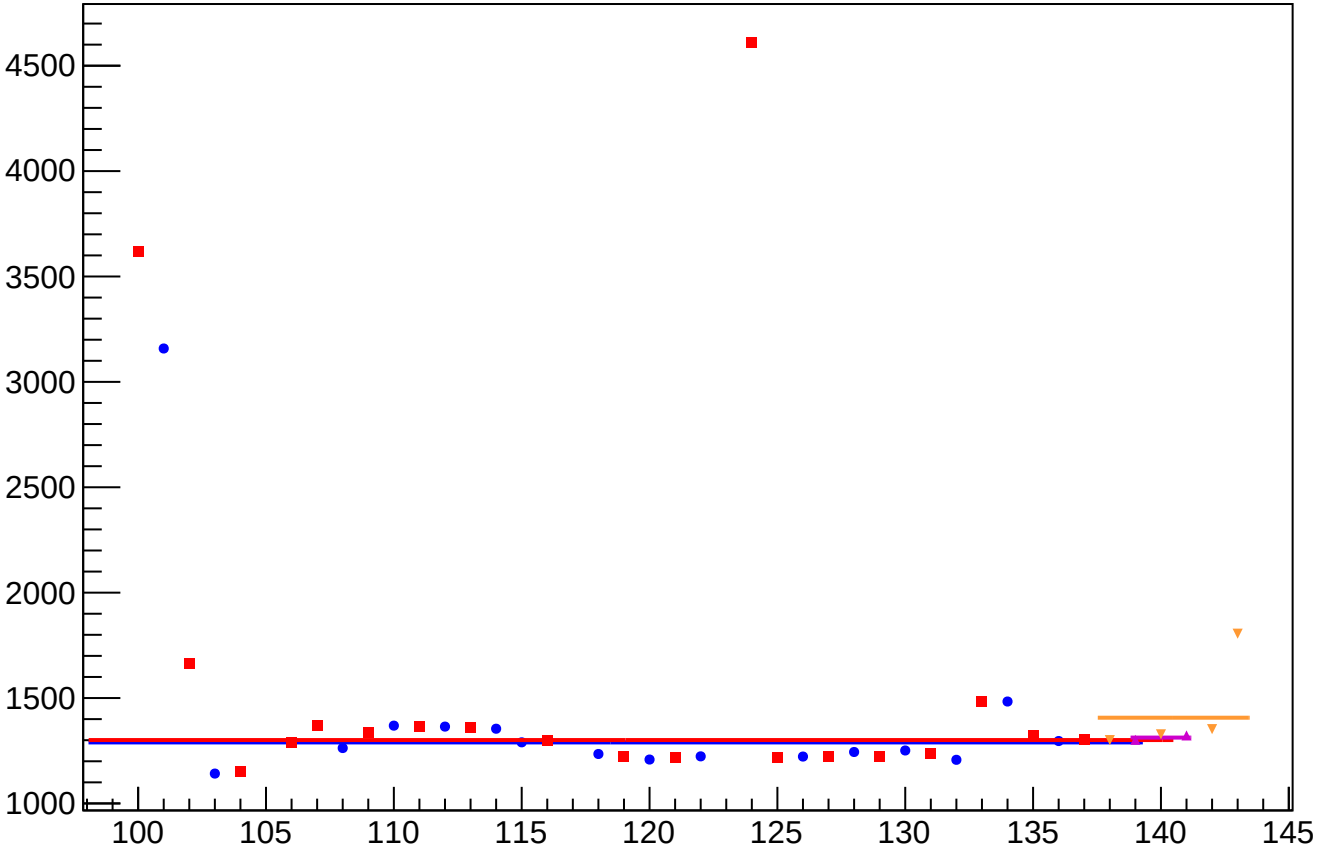
Left In: 544.413+/-997.379 χ^2/NDF:0.6/1

+ sign -440.614+/-421.860 χ^2/NDF: 19.3/19

All: -163.225+/-303.981 χ^2/NDF: 37.4/40

- sign 136.347+/-438.404 χ^2/NDF: 17.1/20

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

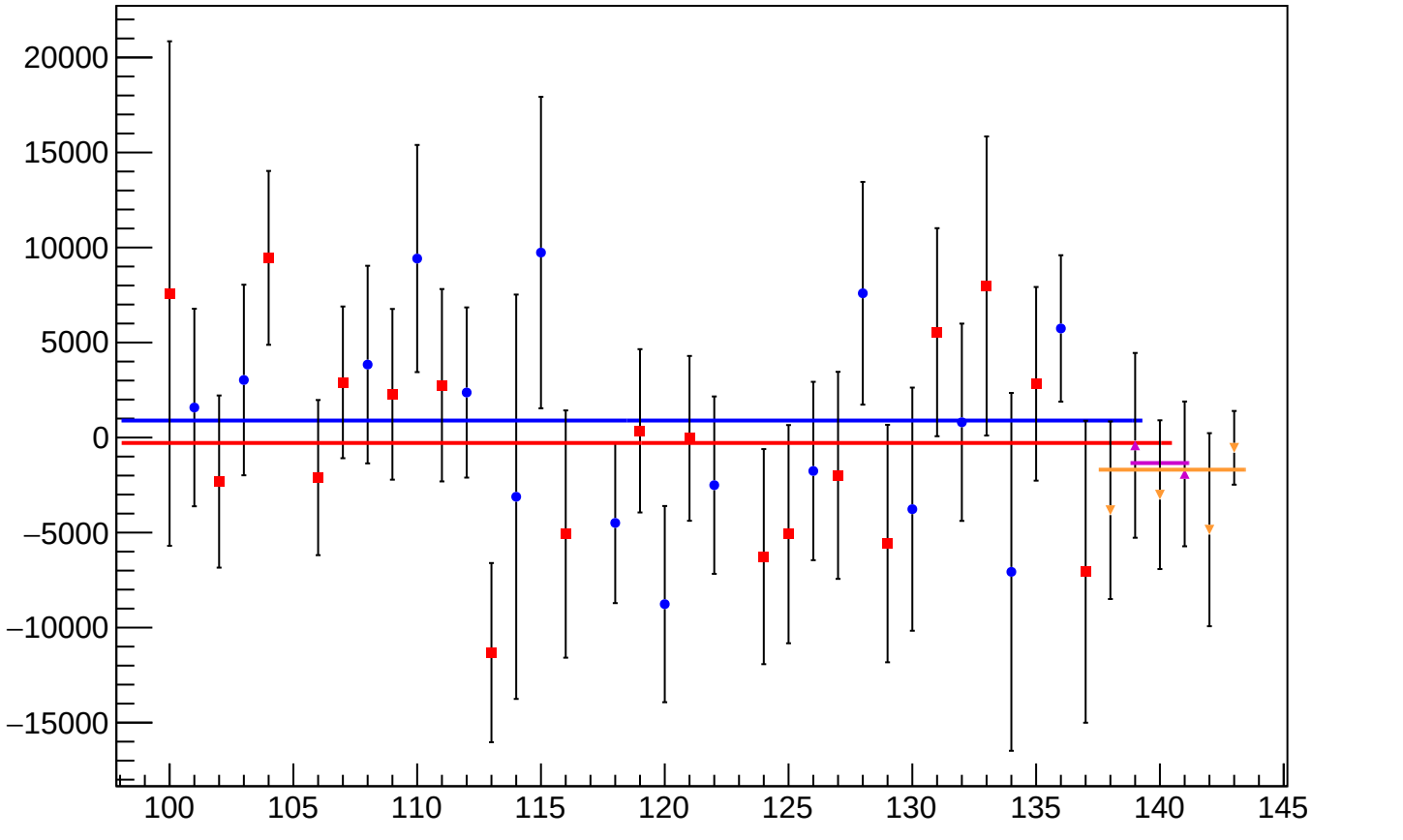
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641367.9/19

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

- sign 1302.938+/-0.310 χ^2/NDF: 326346.6/20



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

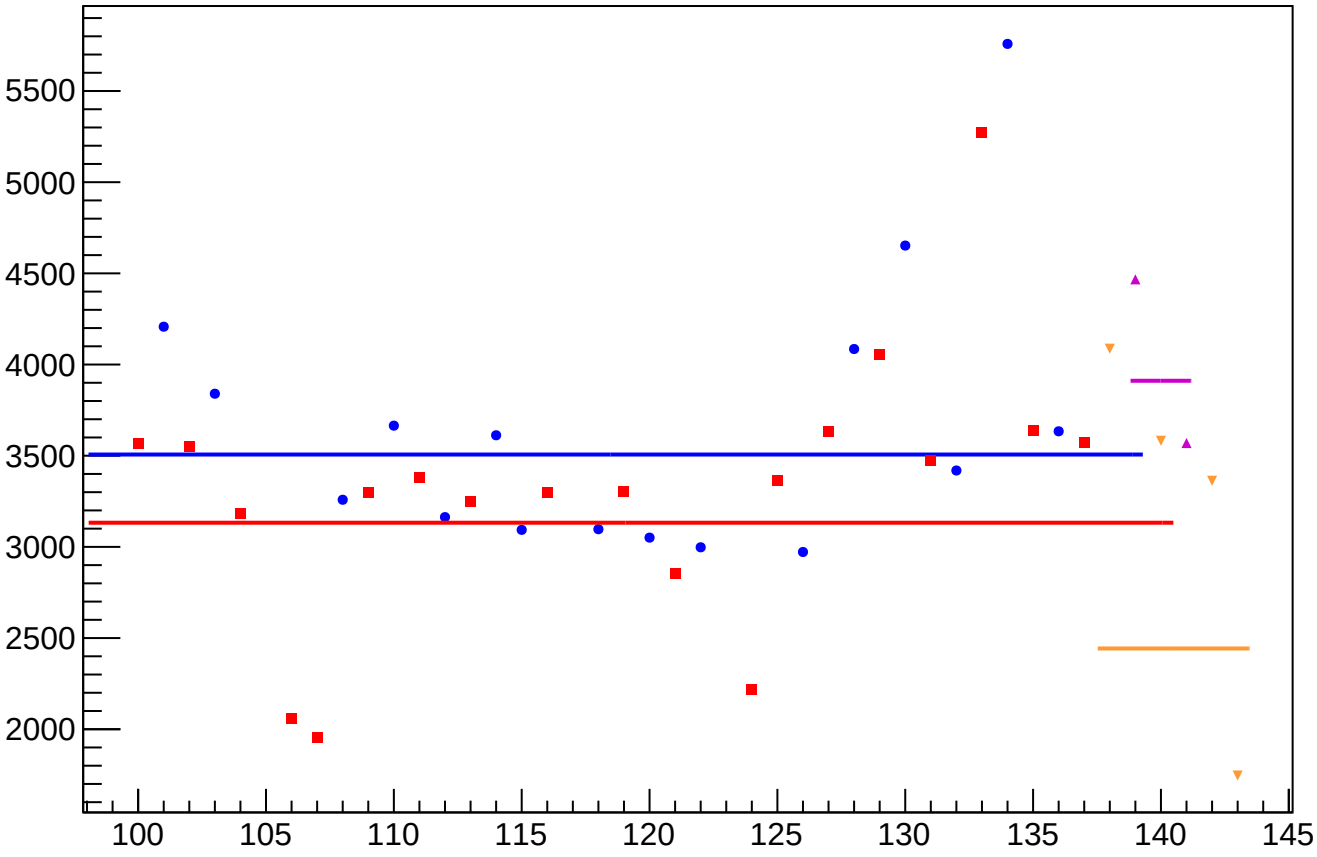
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1340.949+/-2998.450 χ^2/NDF:0.1/1

+ sign -194.829+/-1007.397 χ^2/NDF: 16.8/19

All: -300.382+/-743.102 χ^2/NDF: 35.6/40

- sign -426.367+/-1100.587 χ^2/NDF: 18.8/20



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

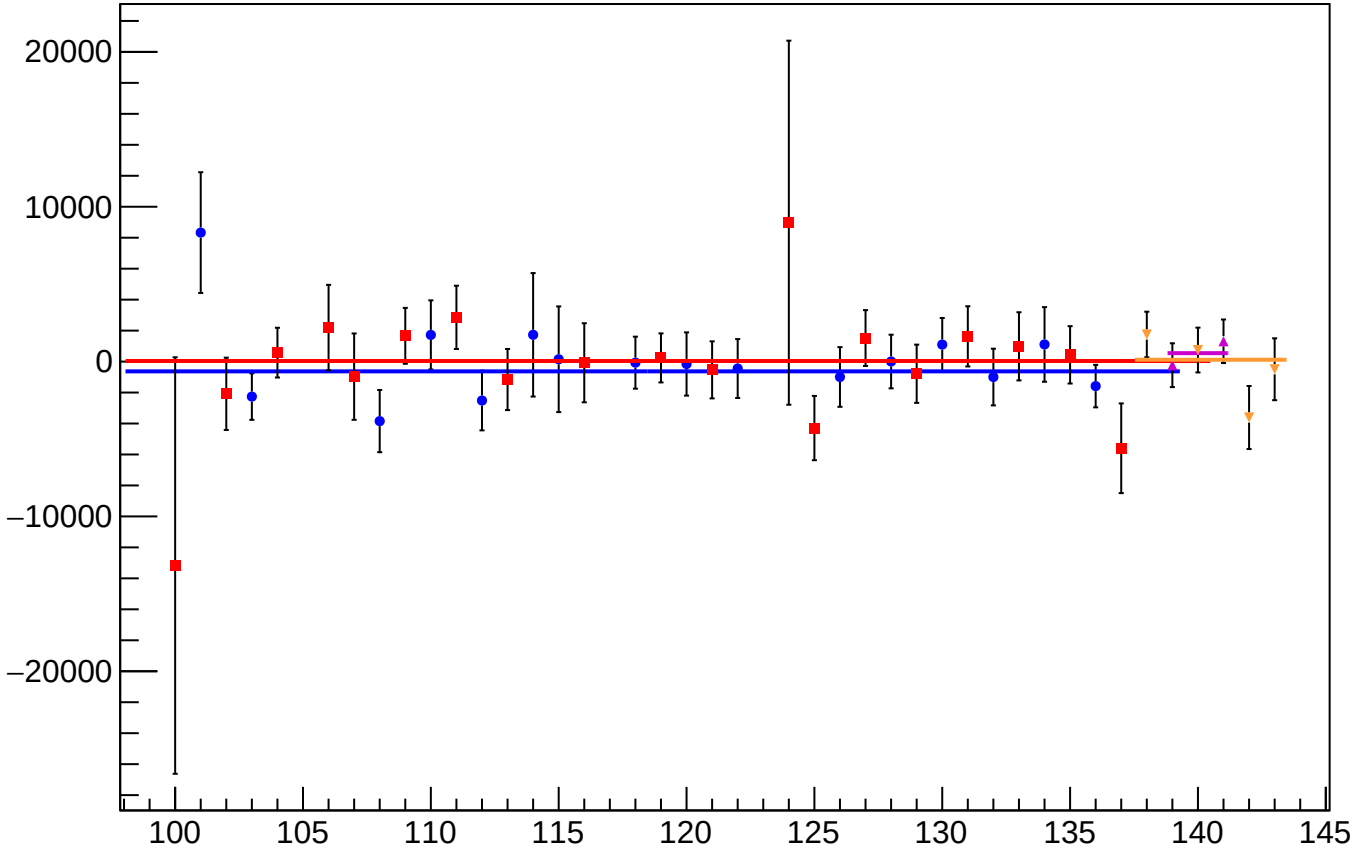
Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

+ sign 3057.865+/-0.712 χ^2/NDF: 1637422.3/19

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40

- sign 3237.457+/-0.778 χ^2/NDF: 808477.4/20

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: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

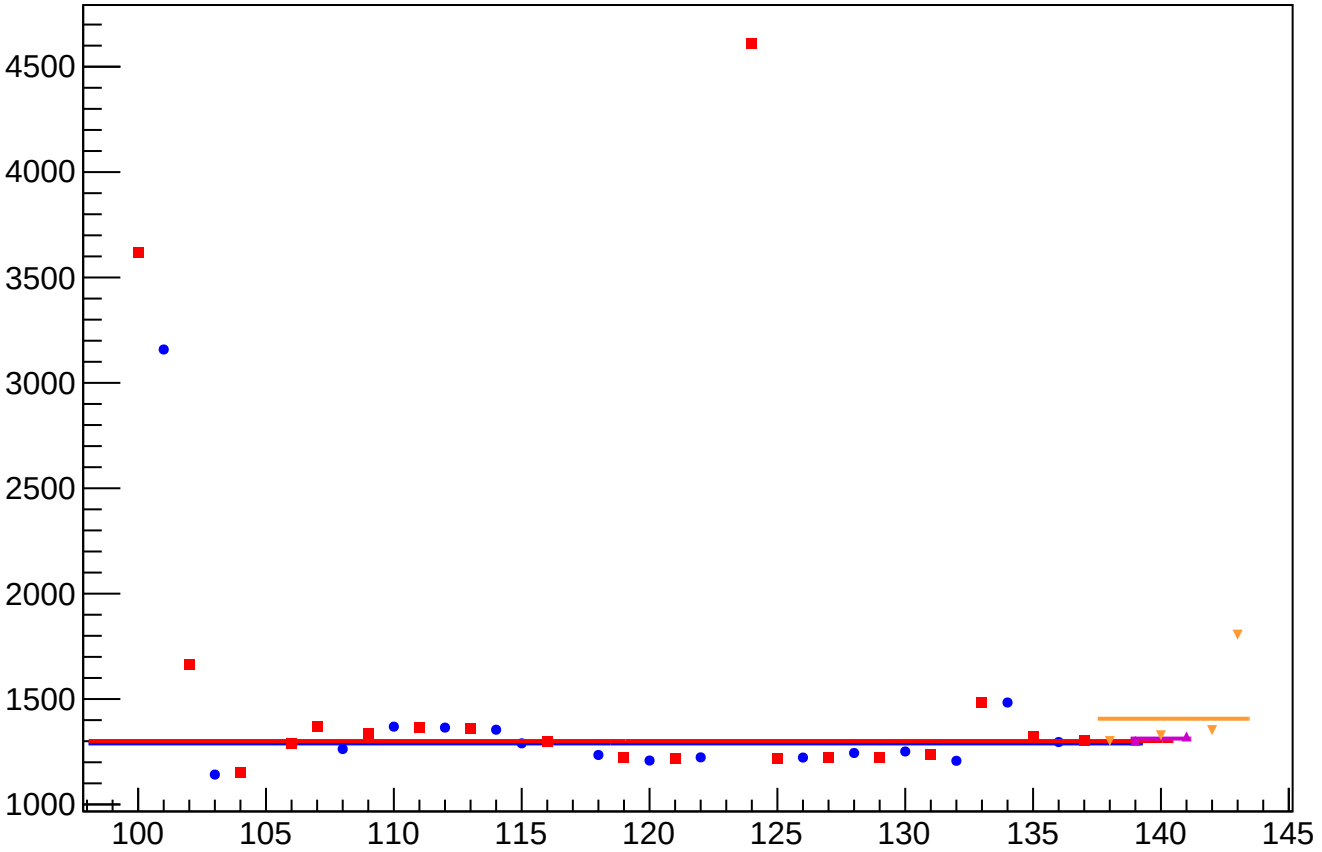
Left In: 544.413+/-997.379 χ^2/NDF:0.6/1

+ sign -440.614+/-421.860 χ^2/NDF: 19.3/19

All: -163.225+/-303.981 χ^2/NDF: 37.4/40

- sign 136.347+/-438.404 χ^2/NDF: 17.1/20

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: 1406.698+/-0.591 χ^2/NDF:97370.8/3

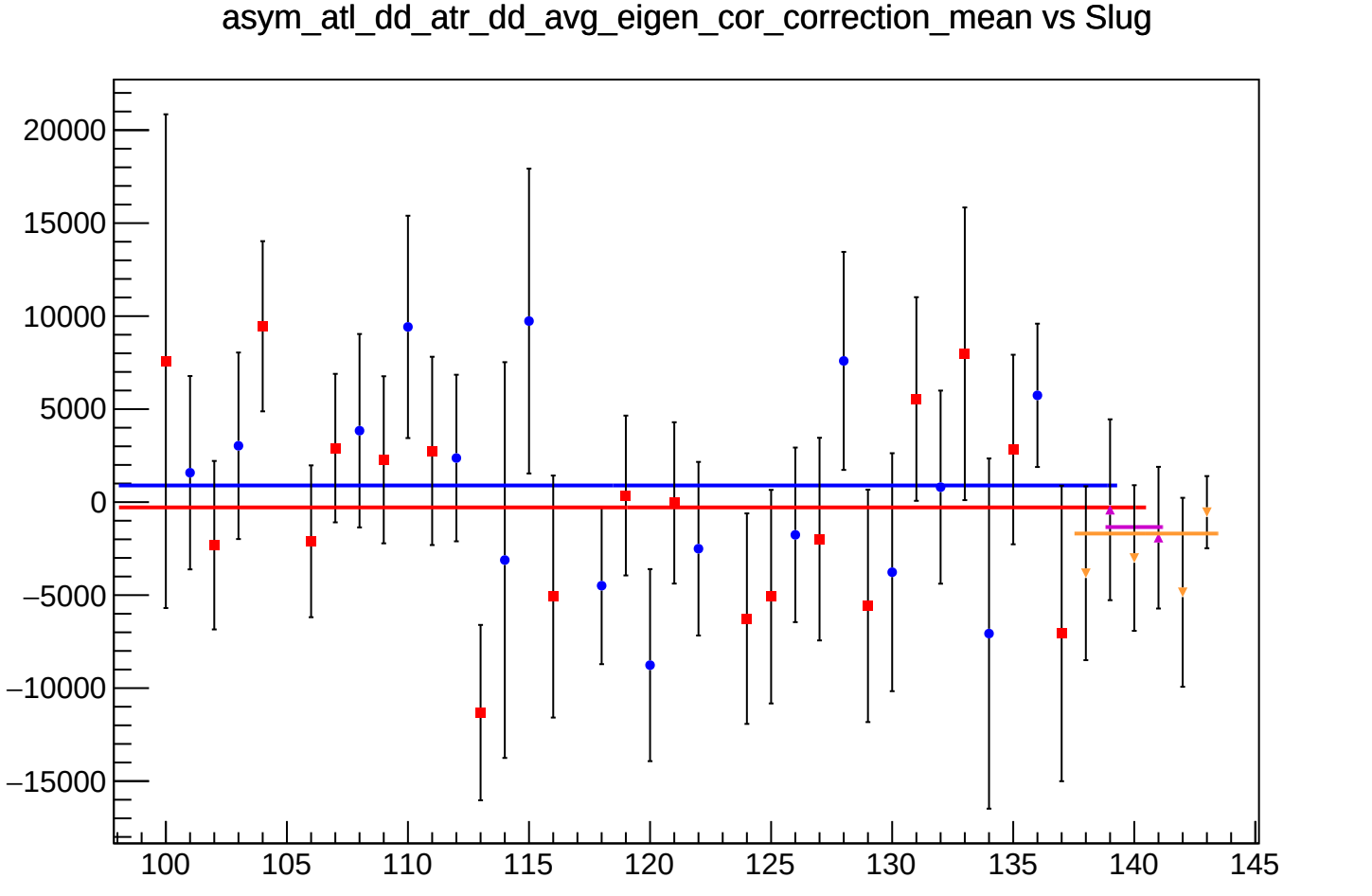
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641367.9/19

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

- sign 1302.938+/-0.310 χ^2/NDF: 326346.6/20



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1340.949+/-2998.450 χ^2/NDF:0.1/1

+ sign -194.829+/-1007.397 χ^2/NDF: 16.8/19

All: -300.382+/-743.102 χ^2/NDF: 35.6/40

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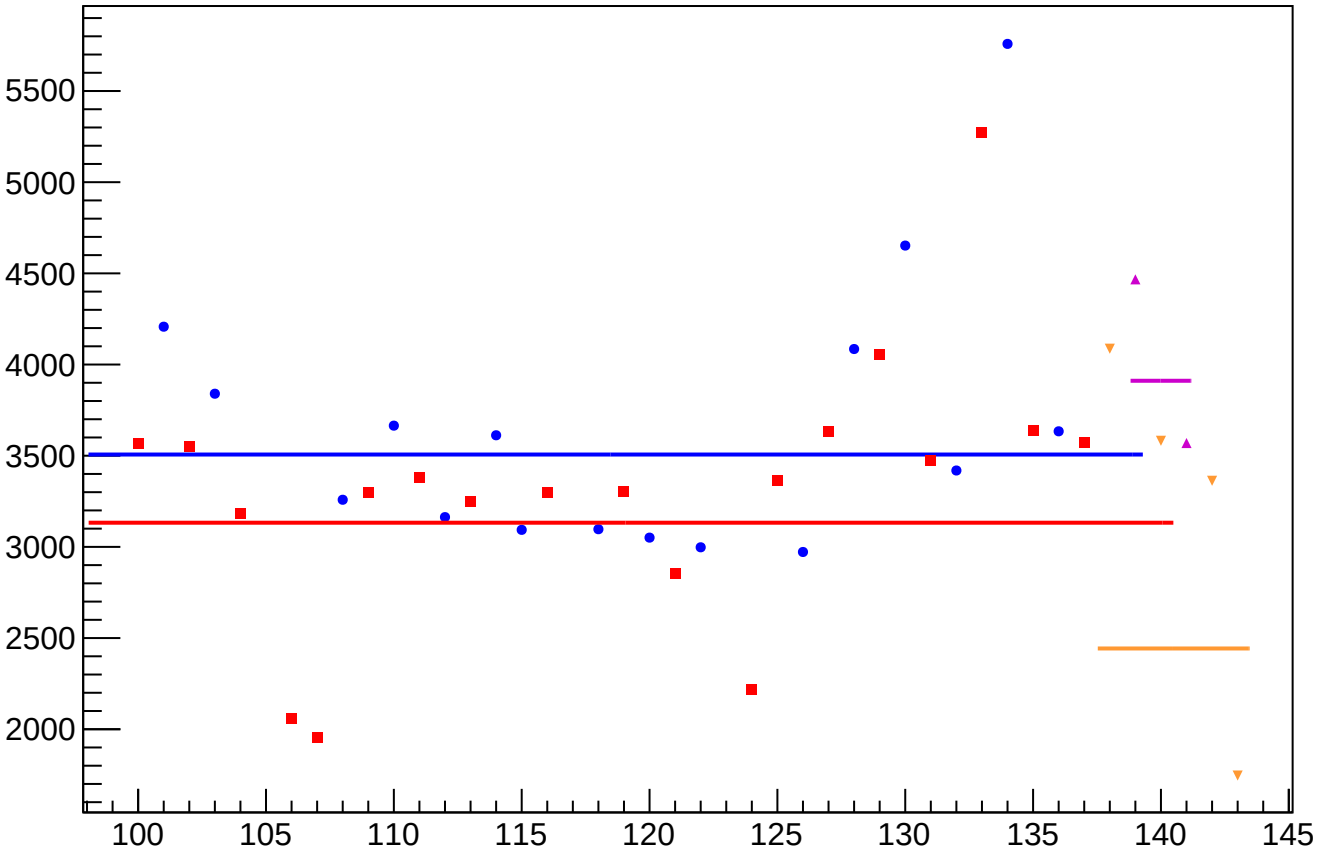


Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

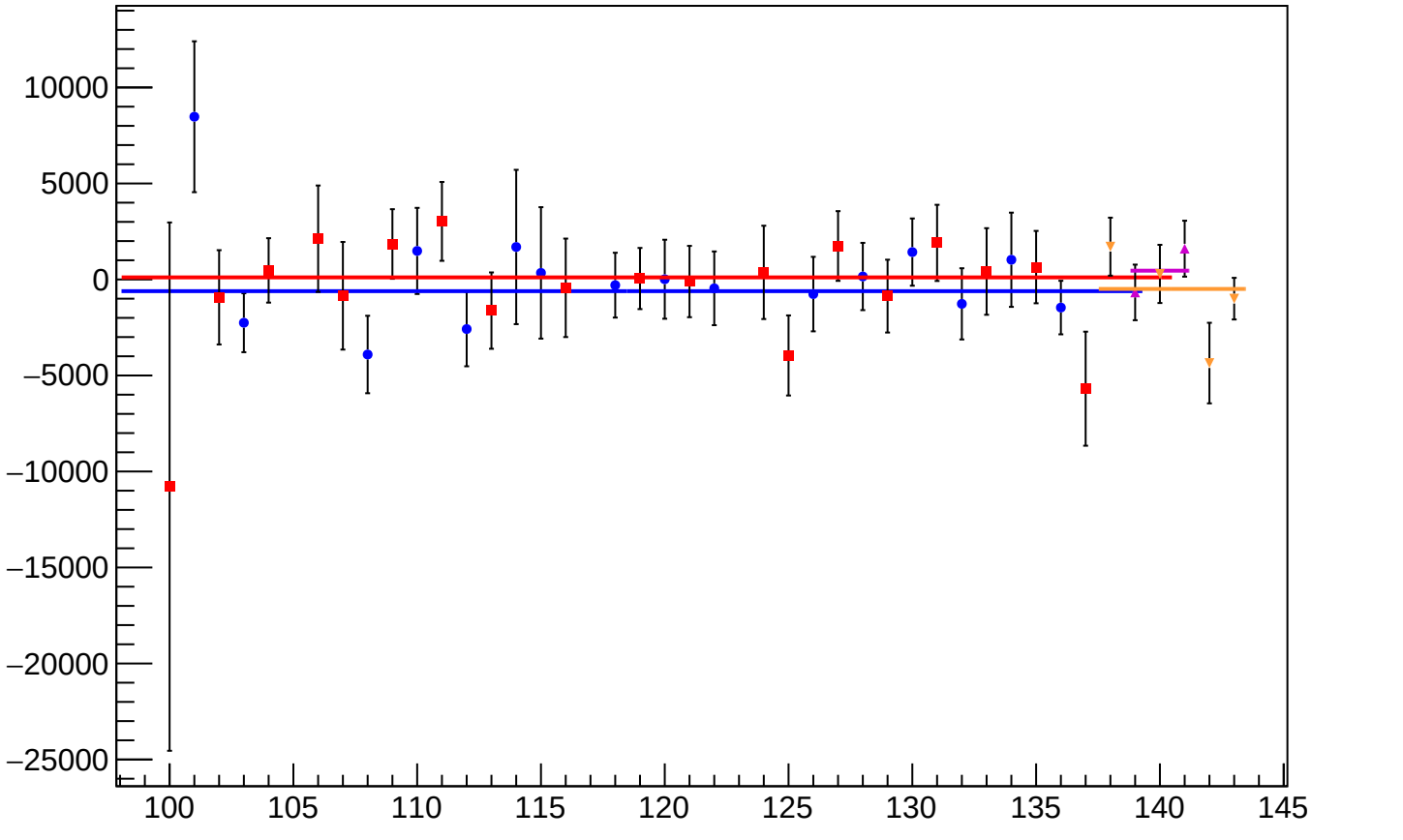
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

+ sign 3057.865+/-0.712 χ^2/NDF: 1637422.3/19

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40

- sign 3237.457+/-0.778 χ^2/NDF: 808477.4/20



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.285+/-715.646 χ^2/NDF:6.0/3

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

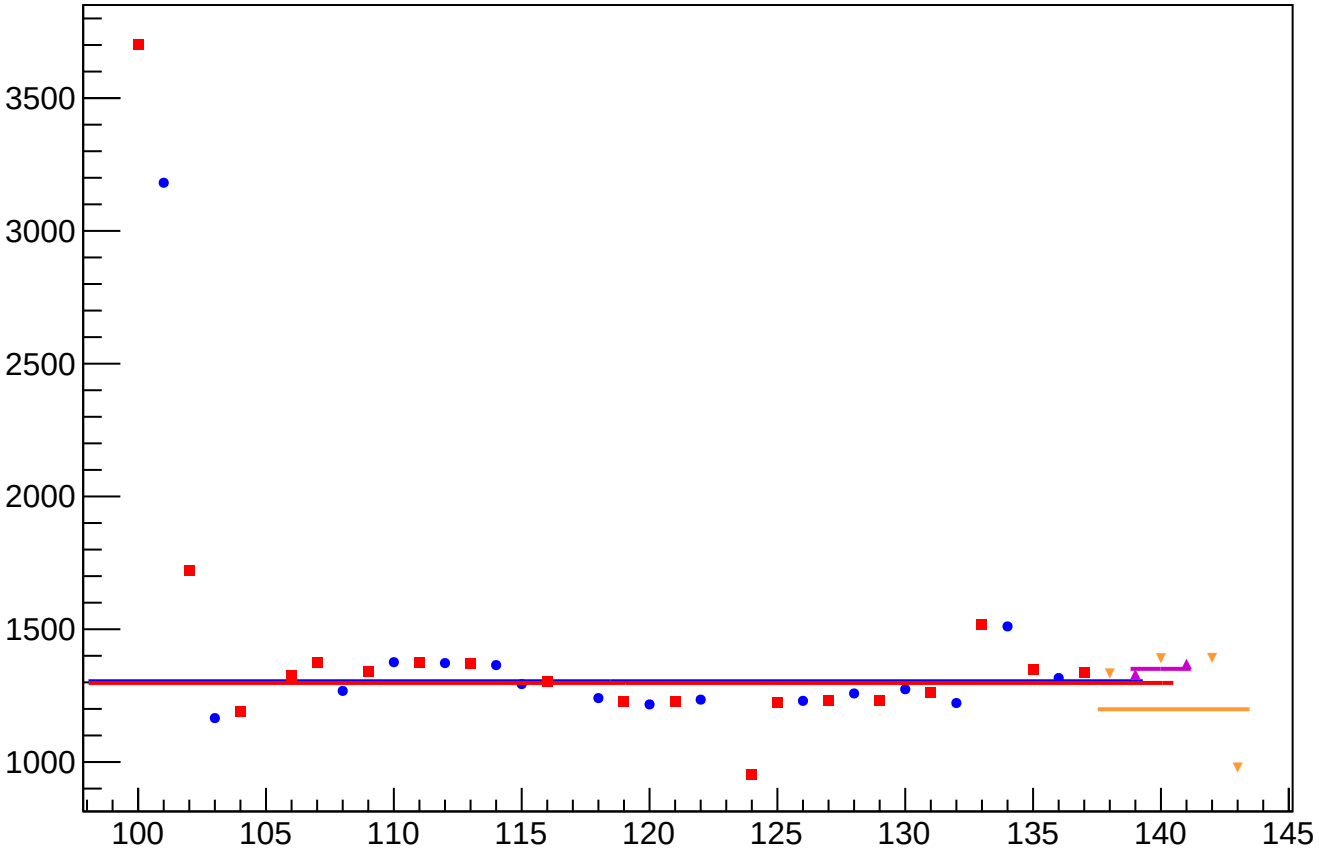
Left In: 458.128+/-1026.913 χ^2/NDF:1.2/1

+ sign -570.846+/-406.649 χ^2/NDF: 20.1/19

All: -227.545+/-298.313 χ^2/NDF: 37.9/40

- sign 172.476+/-438.958 χ^2/NDF: 16.2/20

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

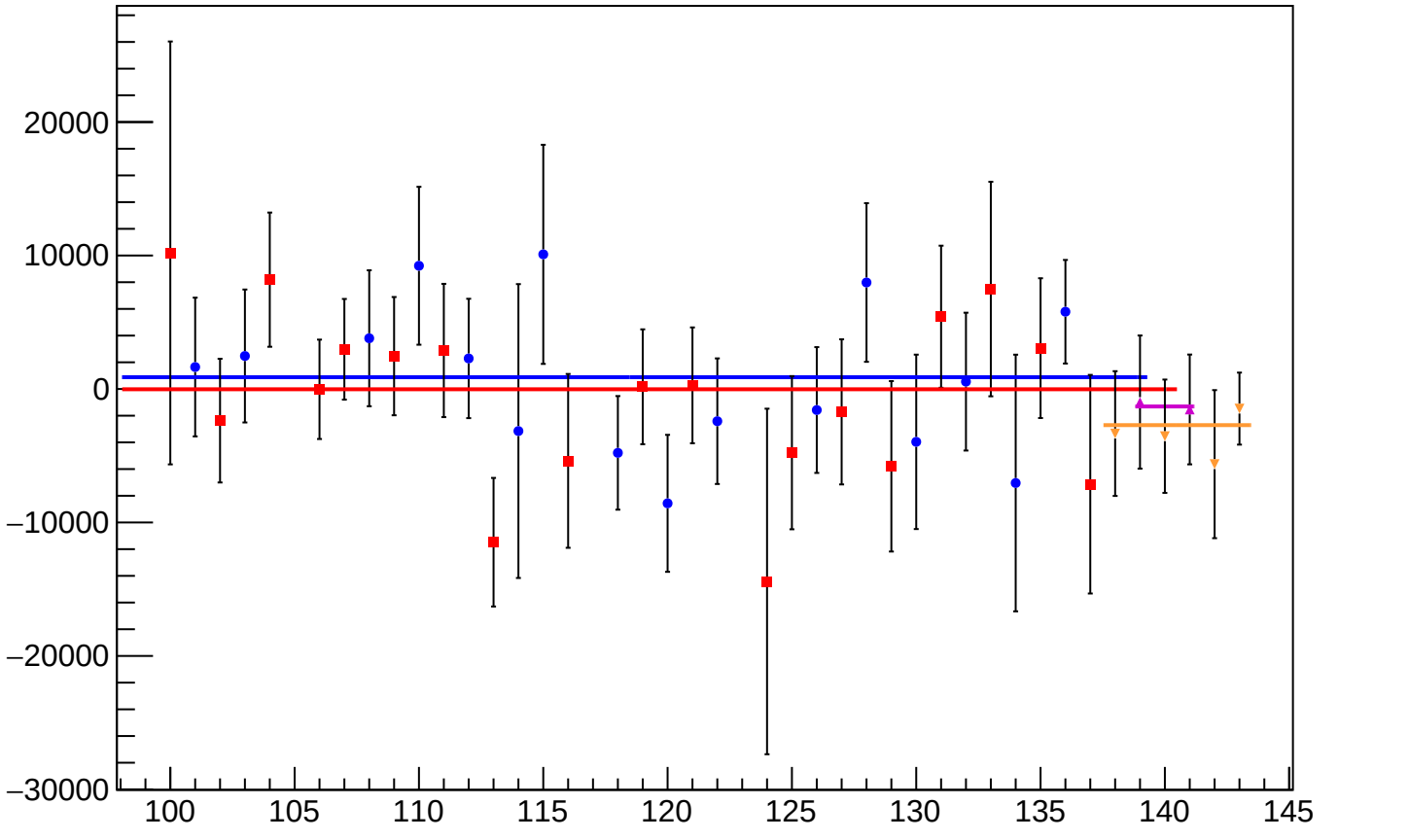
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1350.869+/-0.726 χ^2/NDF:712.8/1

+ sign 1270.061+/-0.288 χ^2/NDF: 687037.6/19

All: 1287.355+/-0.211 χ^2/NDF: 913041.4/40

- sign 1307.482+/-0.310 χ^2/NDF: 218177.0/20



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2707.656+/-1920.099 χ^2/NDF:0.5/3

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

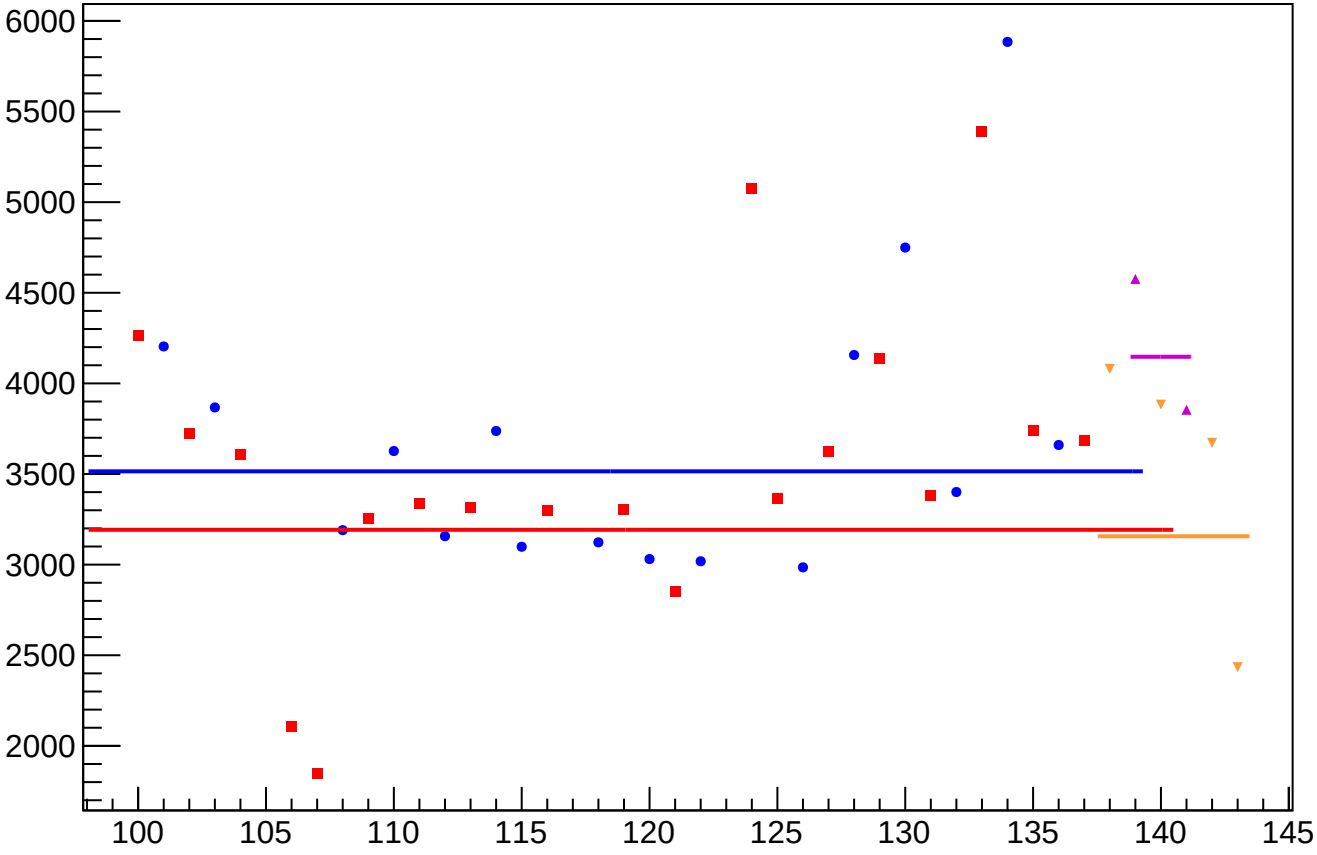
Left In: -1309.261+/-3173.459 χ^2/NDF:0.0/1

+ sign -277.407+/-1091.883 χ^2/NDF: 17.0/19

All: -230.964+/-782.660 χ^2/NDF: 34.0/40

- sign -181.885+/-1122.446 χ^2/NDF: 17.0/20

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: 3156.629+/-1.358 χ^2/NDF:297381.8/3

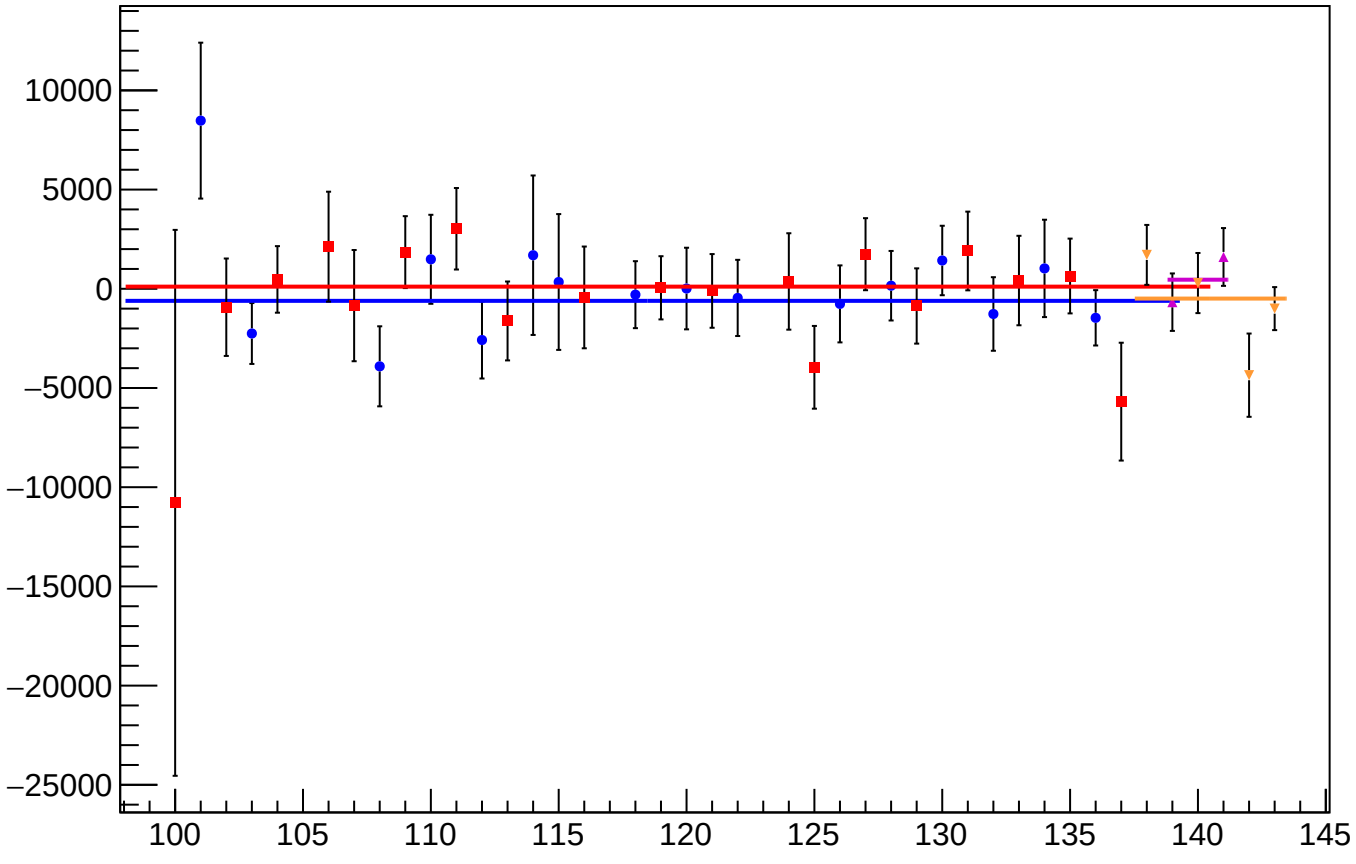
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

+ sign 3398.940+/-0.772 χ^2/NDF: 719534.3/19

All: 3356.488+/-0.553 χ^2/NDF: 1681519.4/40

- sign 3311.626+/-0.794 χ^2/NDF: 955766.8/20



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.288+/-715.647 χ^2/NDF:6.0/3

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

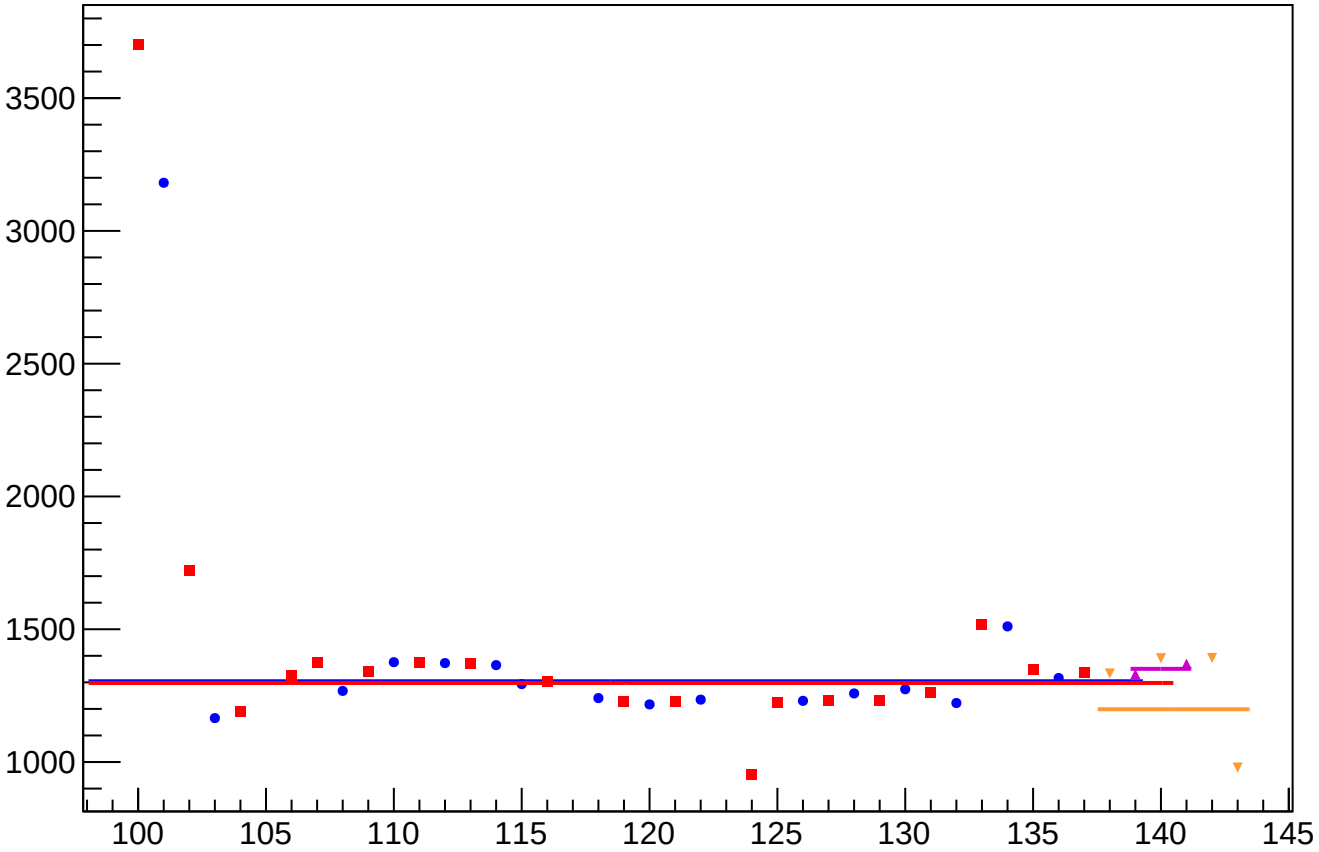
Left In: 458.120+/-1026.914 χ^2/NDF:1.2/1

+ sign -570.849+/-406.649 χ^2/NDF: 20.1/19

All: -227.545+/-298.313 χ^2/NDF: 37.9/40

- sign 172.479+/-438.958 χ^2/NDF: 16.2/20

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: 1198.674+/-0.506 χ^2/NDF:147056.7/3

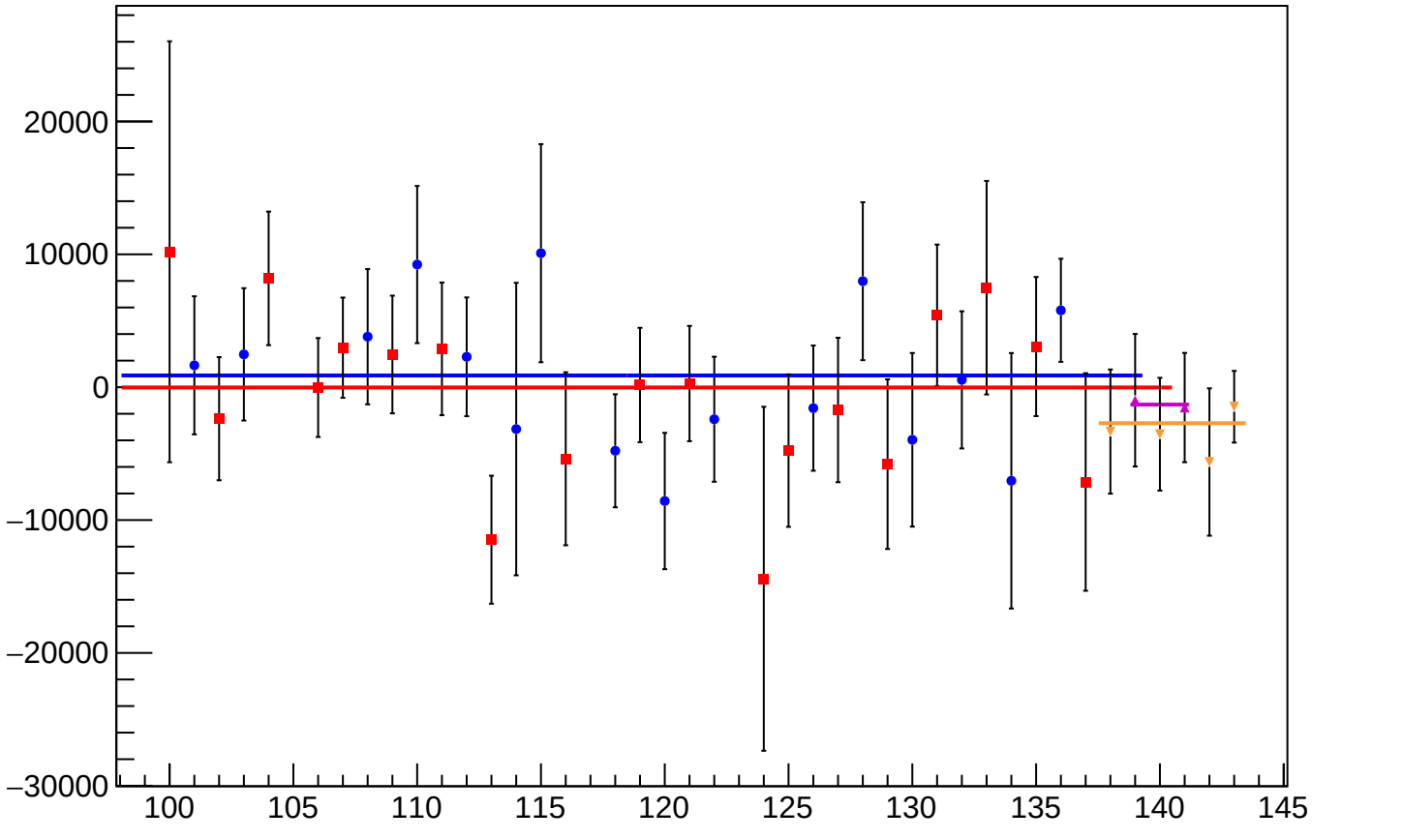
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1350.870+/-0.726 χ^2/NDF:712.8/1

+ sign 1270.062+/-0.288 χ^2/NDF: 687037.1/19

All: 1287.355+/-0.211 χ^2/NDF: 913041.1/40

- sign 1307.482+/-0.310 χ^2/NDF: 218177.1/20



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2707.658+/-1920.102 χ^2/NDF:0.5/3

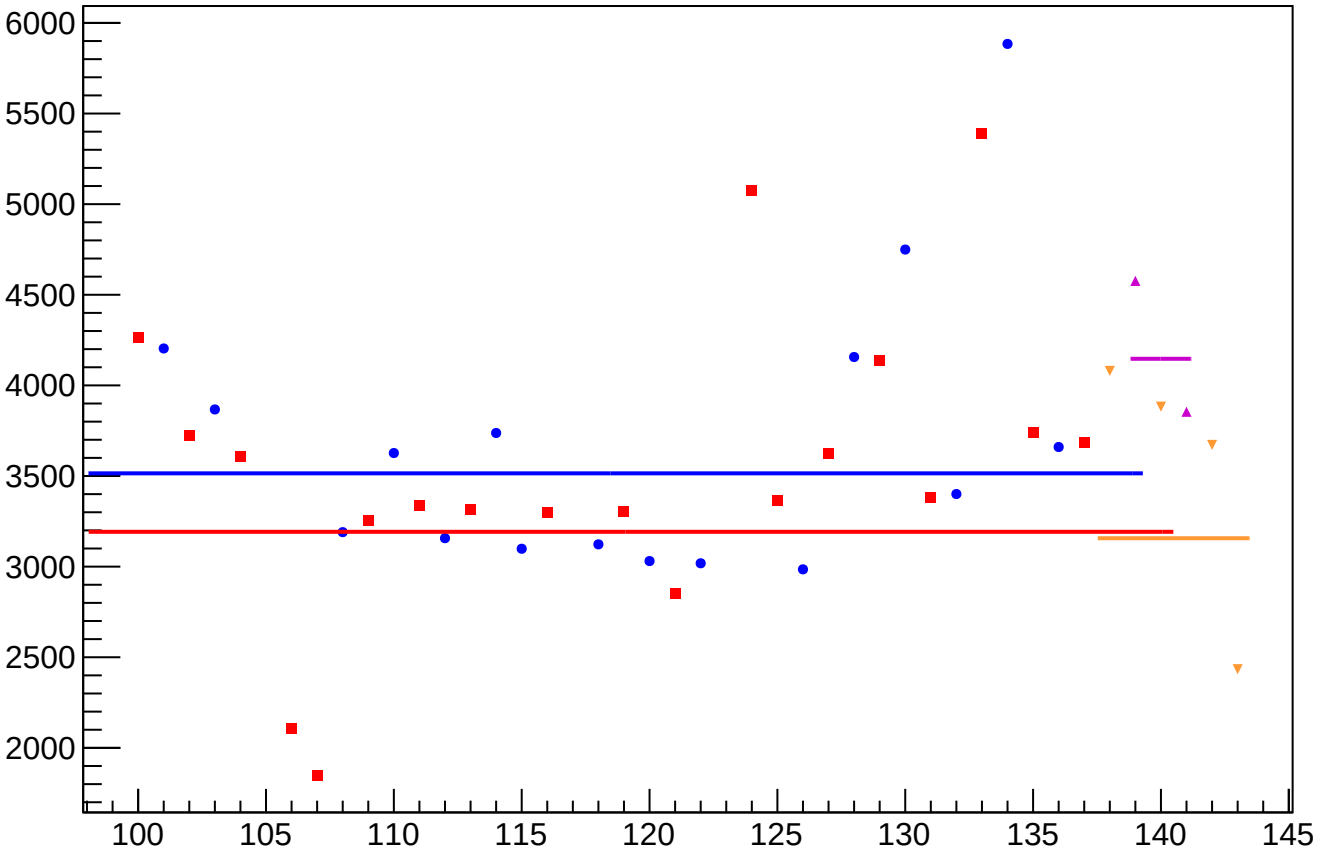
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1309.271+/-3173.463 χ^2/NDF:0.0/1

+ sign -277.409+/-1091.881 χ^2/NDF: 17.0/19

All: -230.964+/-782.658 χ^2/NDF: 34.0/40

- sign -181.882+/-1122.443 χ^2/NDF: 17.0/20



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3156.634+/-1.358 χ^2/NDF:297382.2/3

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

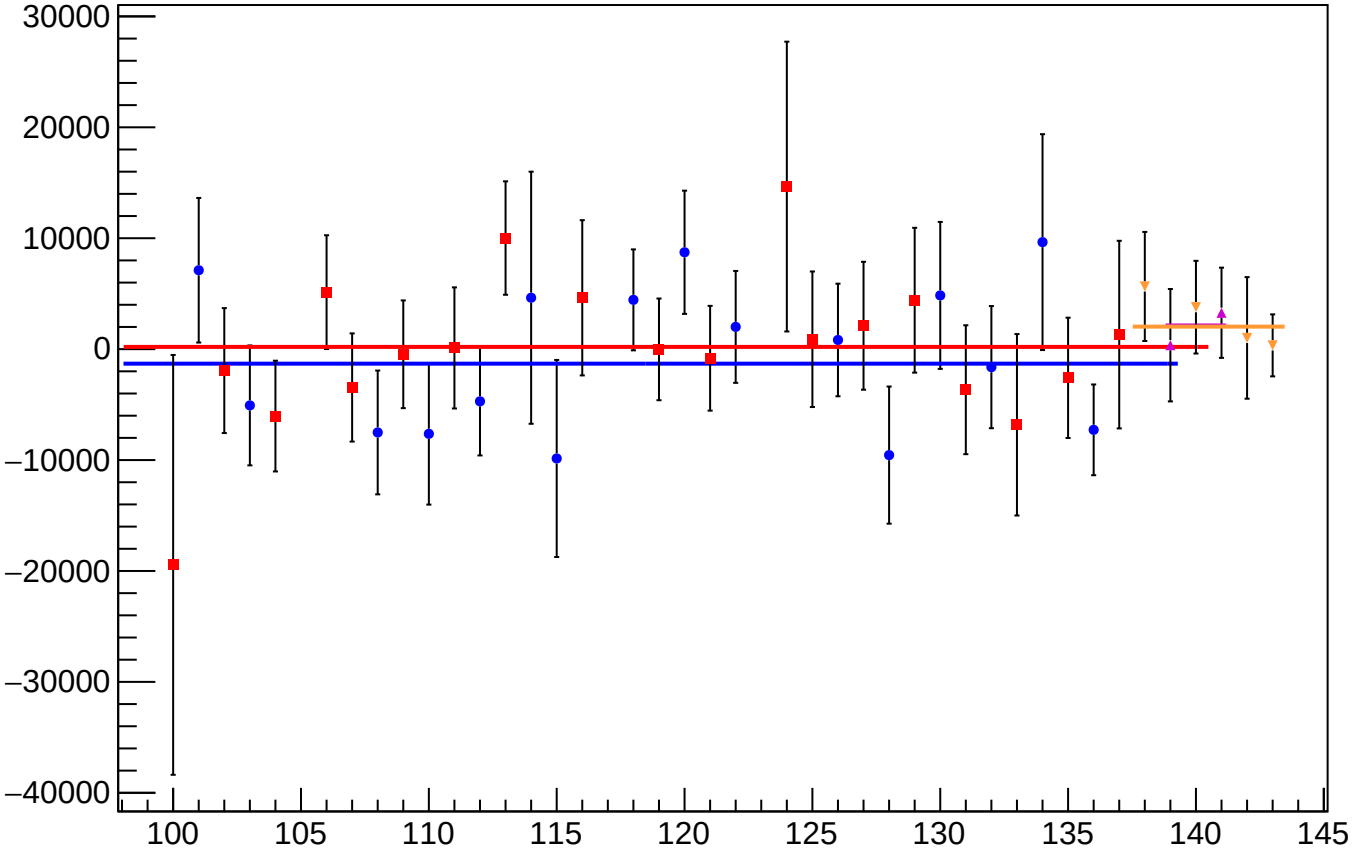
Left In: 4146.807+/-2.244 χ^2/NDF:24942.3/1

+ sign 3398.936+/-0.772 χ^2/NDF: 719535.2/19

All: 3356.482+/-0.553 χ^2/NDF: 1681527.9/40

- sign 3311.619+/-0.794 χ^2/NDF: 955774.0/20

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2029.752+/-1961.527 χ^2/NDF:1.1/3

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

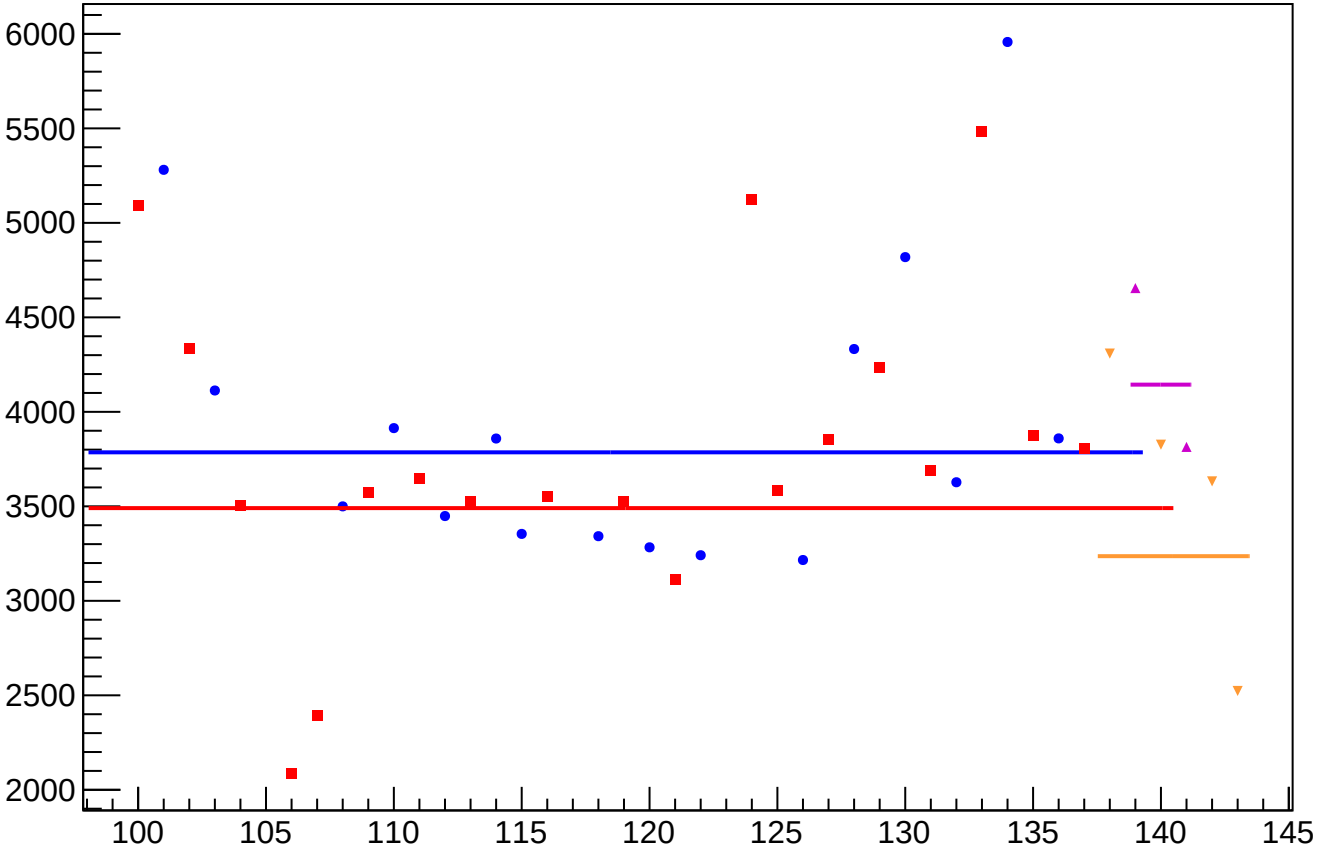
Left In: 2133.541+/-3171.289 χ^2/NDF:0.2/1

\+ sign -148.846+/-1156.386 χ^2/NDF: 20.6/19

All: 151.883+/-842.914 χ^2/NDF: 32.9/40

\- sign 492.812+/-1231.253 χ^2/NDF: 12.2/20

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

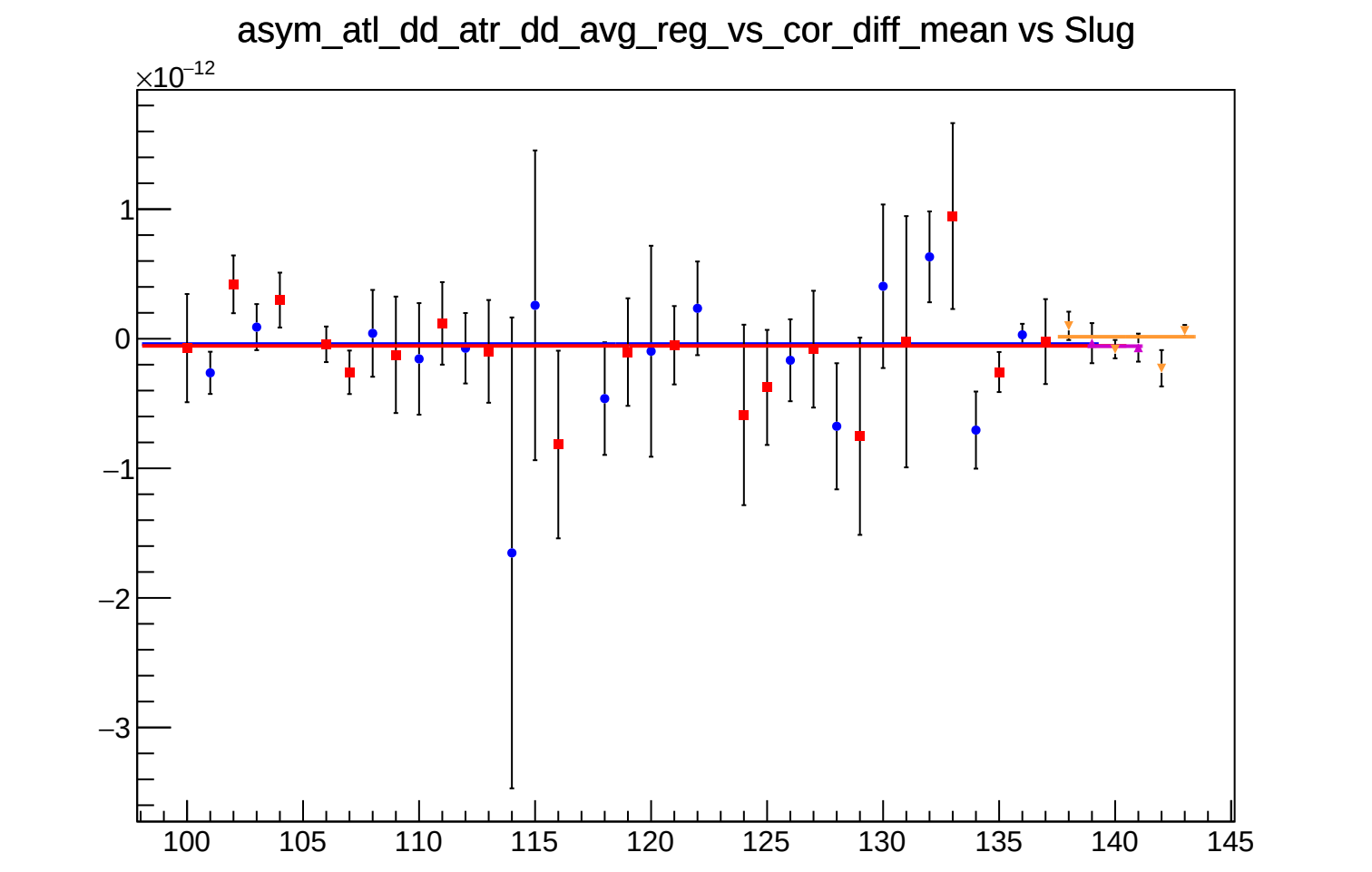
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

+ sign 3594.800+/-0.818 χ^2/NDF: 760972.7/19

All: 3591.016+/-0.593 χ^2/NDF: 1453600.9/40

- sign 3586.825+/-0.861 χ^2/NDF: 692583.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/3

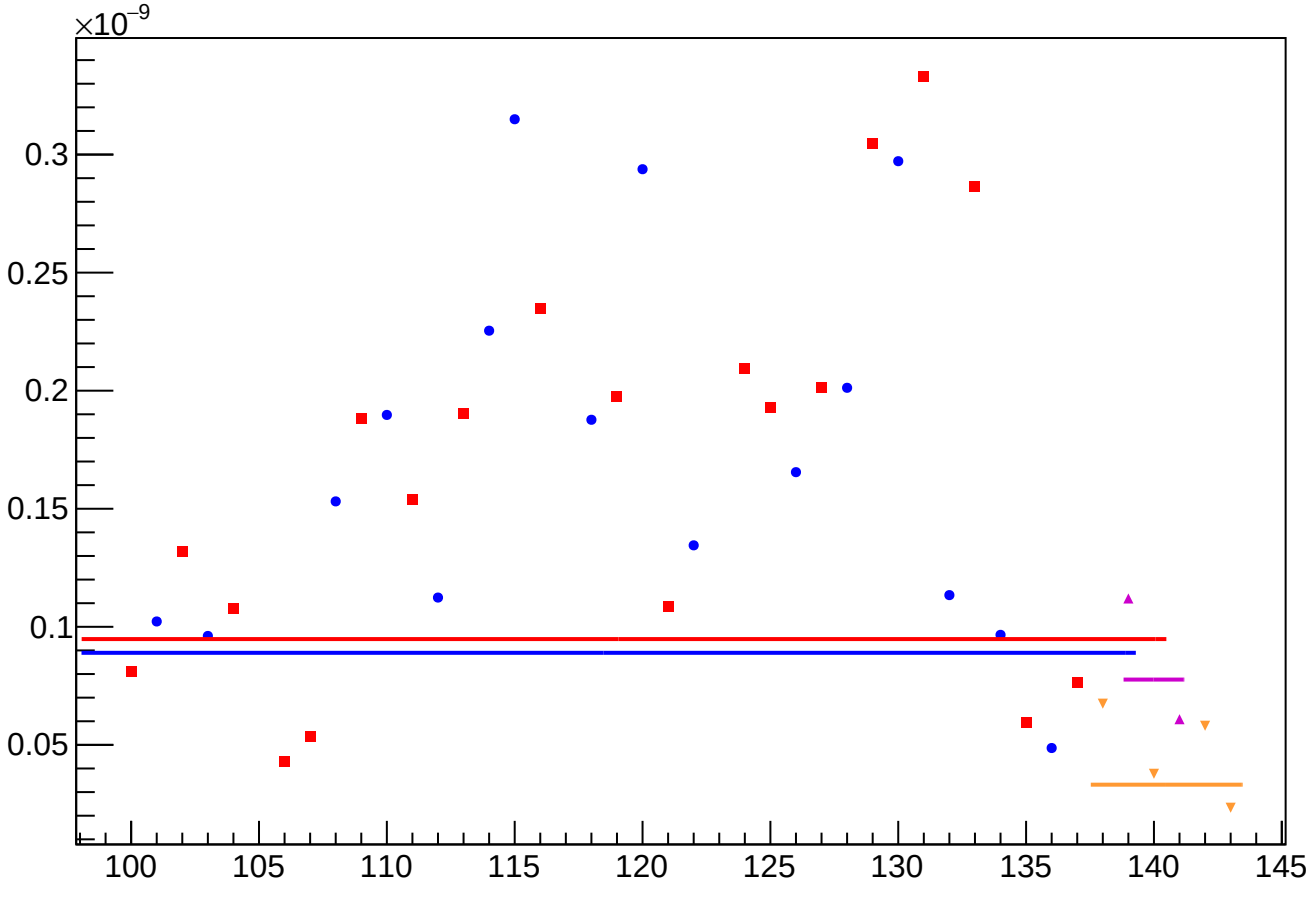
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/19

All: -0.000+/-0.000 χ^2/NDF: 40.7/40

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



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

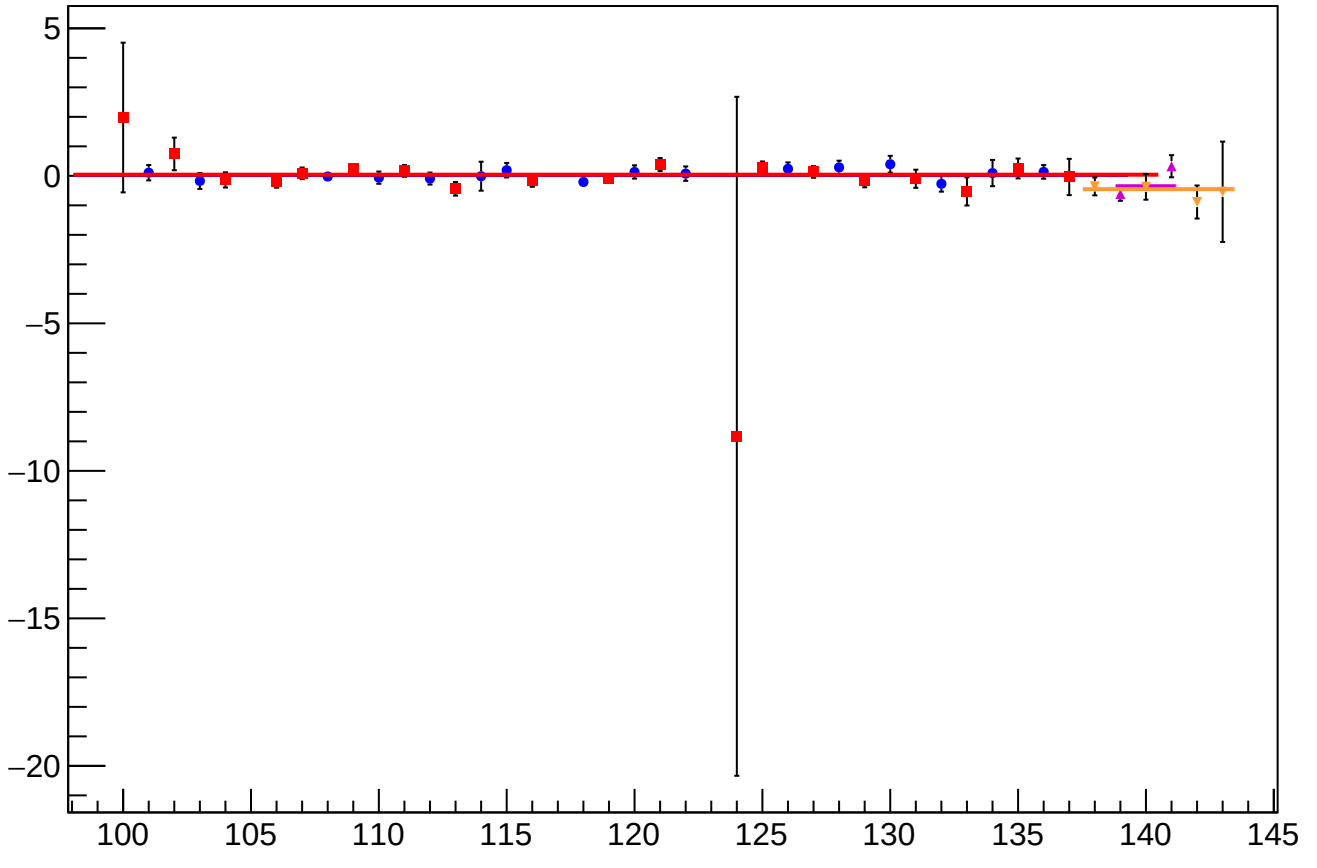
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 3167531.1/19

All: 0.000+/-0.000 χ^2/NDF: 6072633.0/40

- sign 0.000+/-0.000 χ^2/NDF: 1930525.7/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

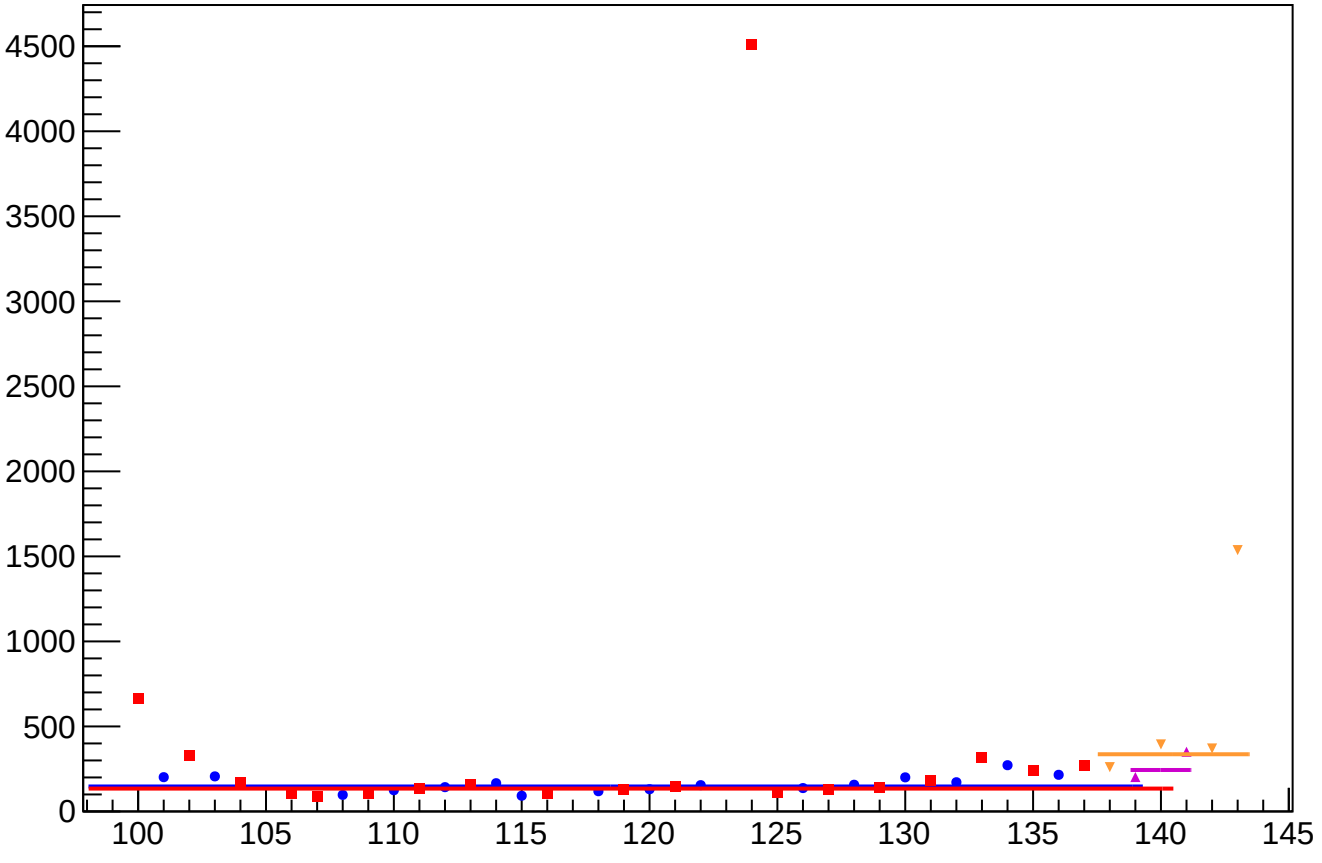
Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

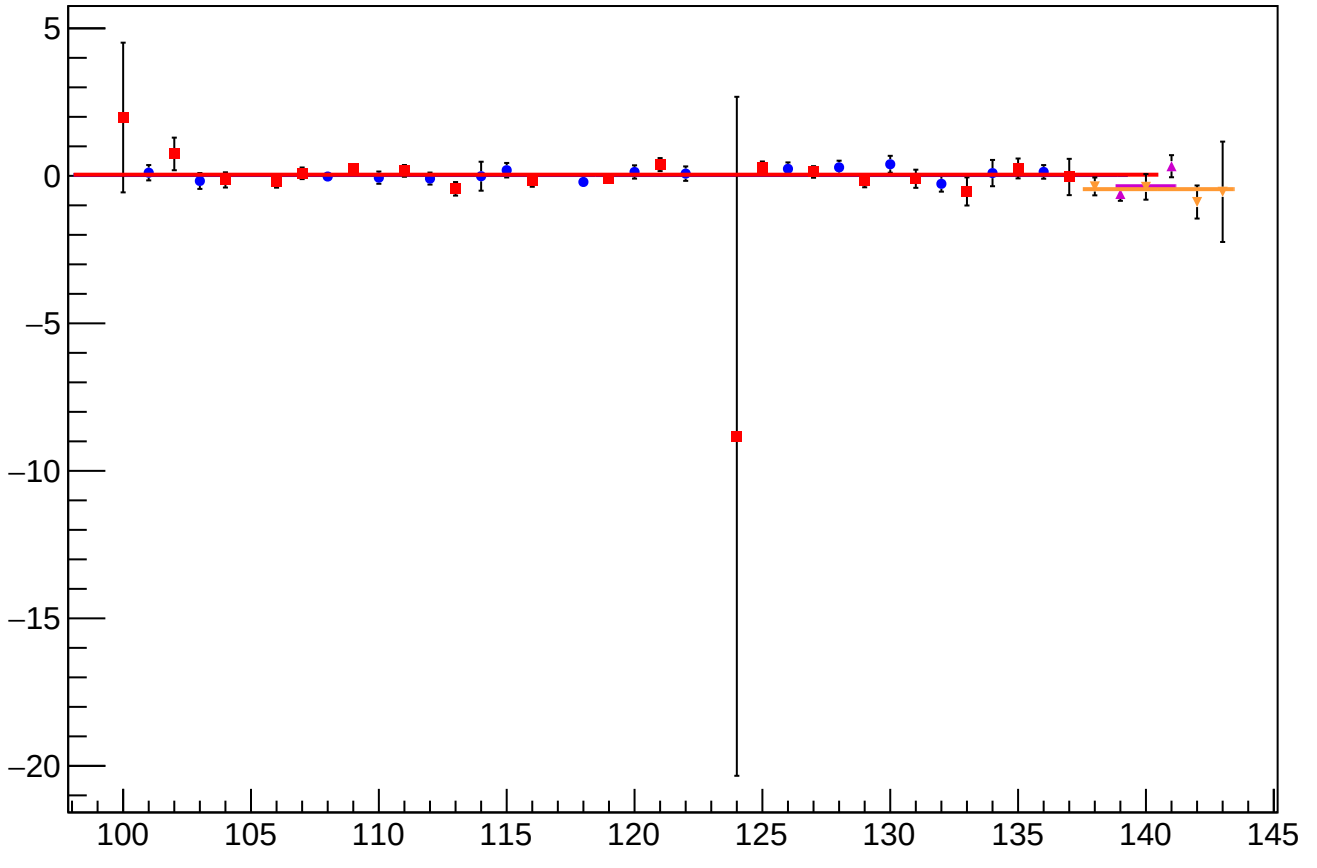
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496706.4/19

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

- sign 142.303+/-0.037 χ^2/NDF: 2401441.7/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

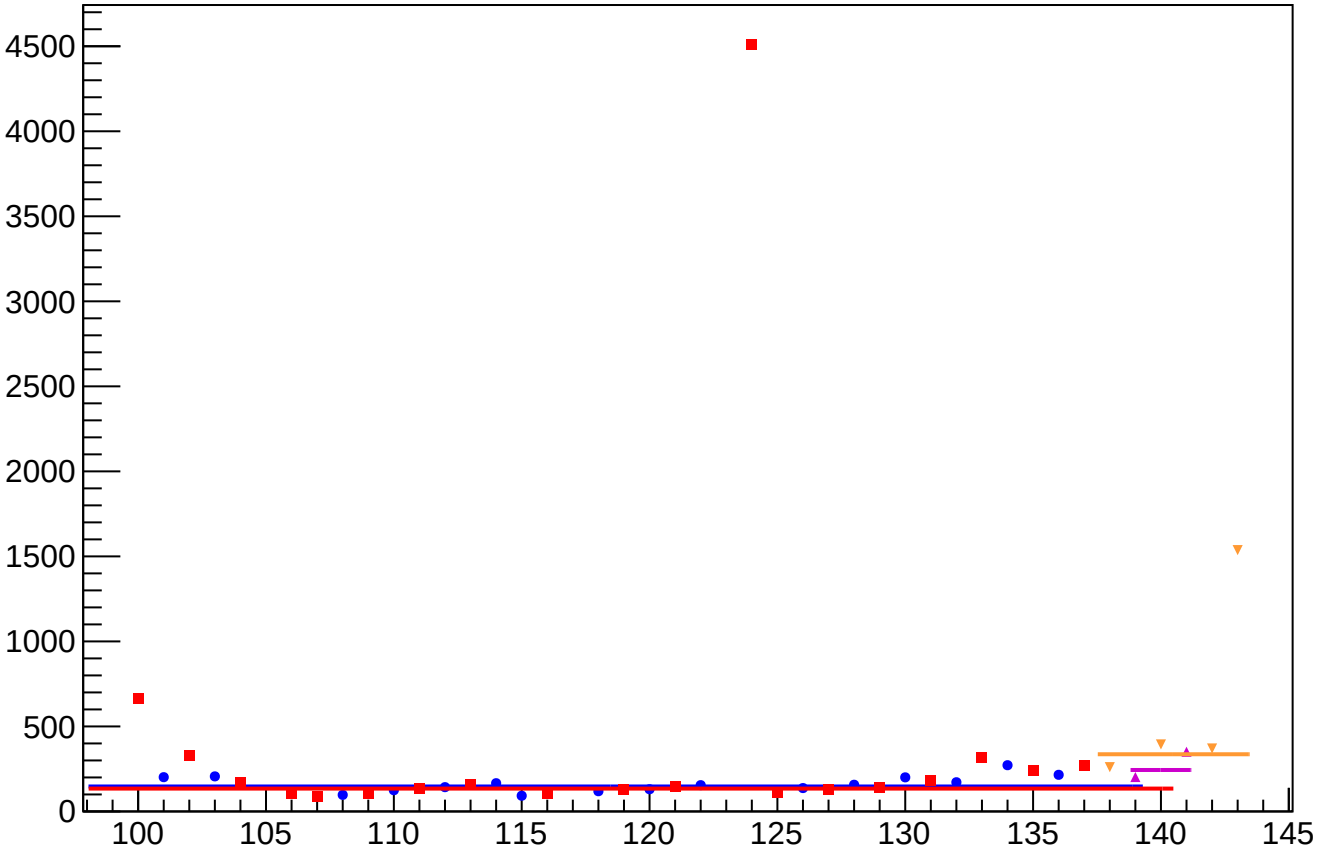
Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

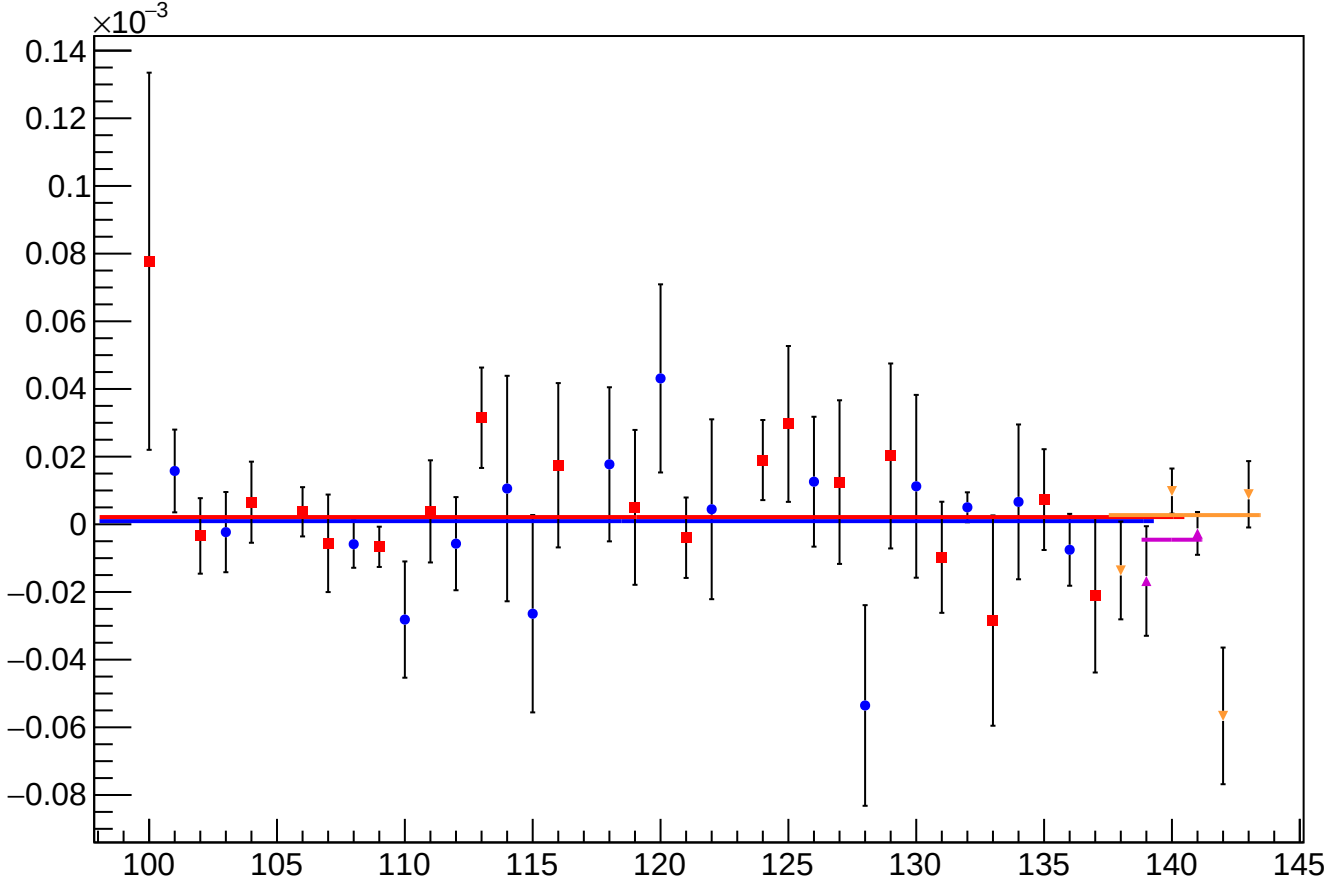
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496706.4/19

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

- sign 142.303+/-0.037 χ^2/NDF: 2401441.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/3

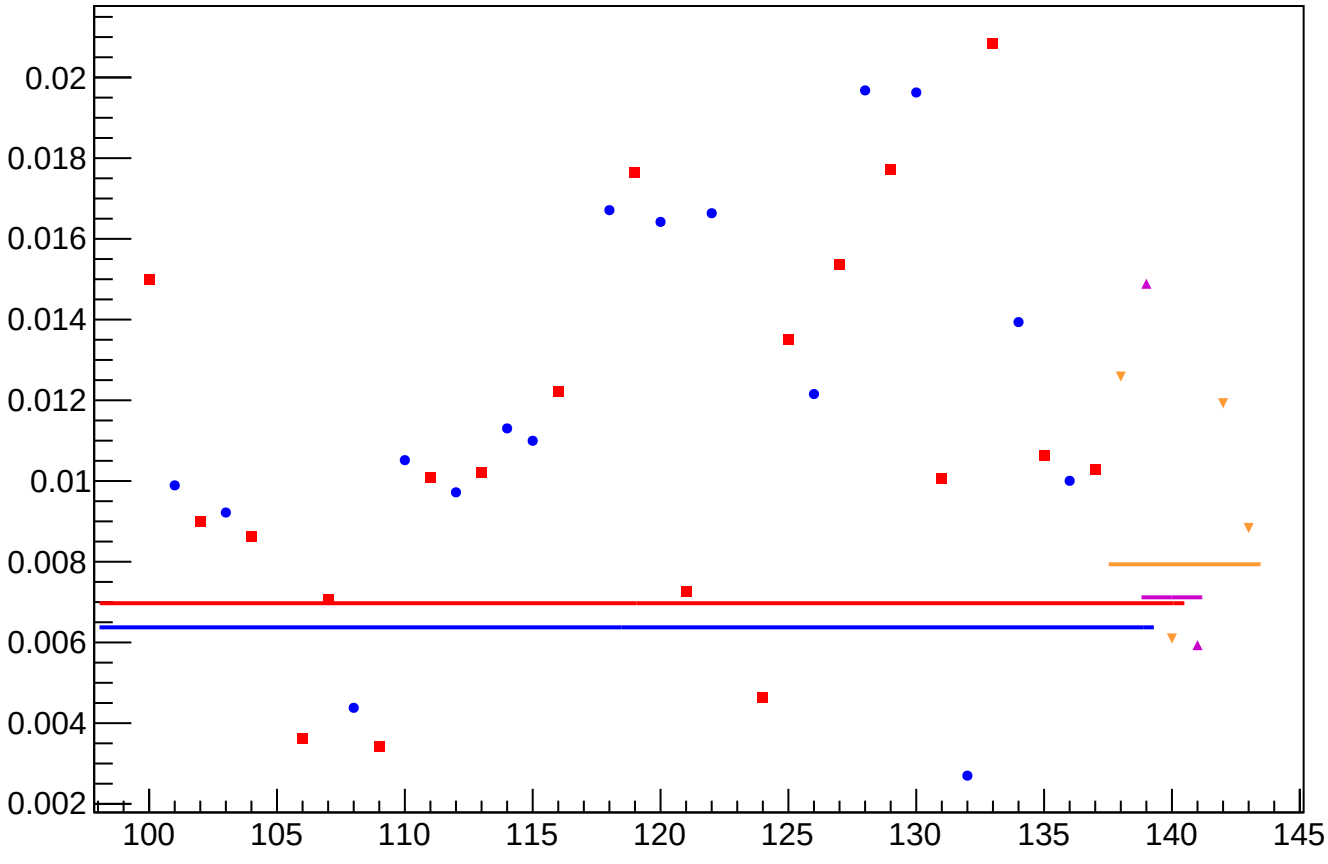
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 26.4/19

All: 0.000+/-0.000 χ^2/NDF: 44.2/40

- sign 0.000+/-0.000 χ^2/NDF: 17.7/20



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:454111.8/3

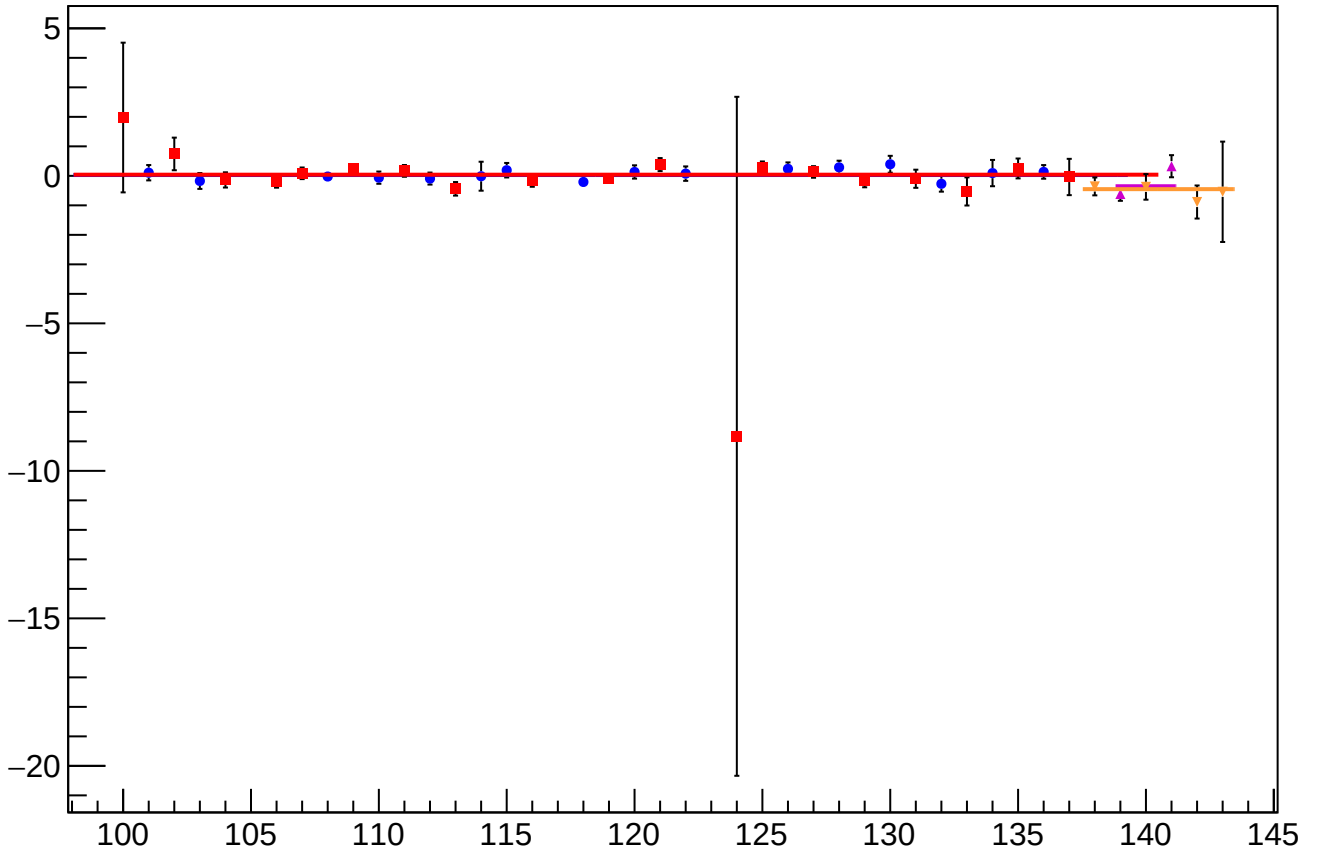
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:530472.1/1

+ sign 0.007+/-0.000 χ^2/NDF: 5239821.2/19

All: 0.007+/-0.000 χ^2/NDF: 9188865.3/40

- sign 0.007+/-0.000 χ^2/NDF: 3941392.2/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

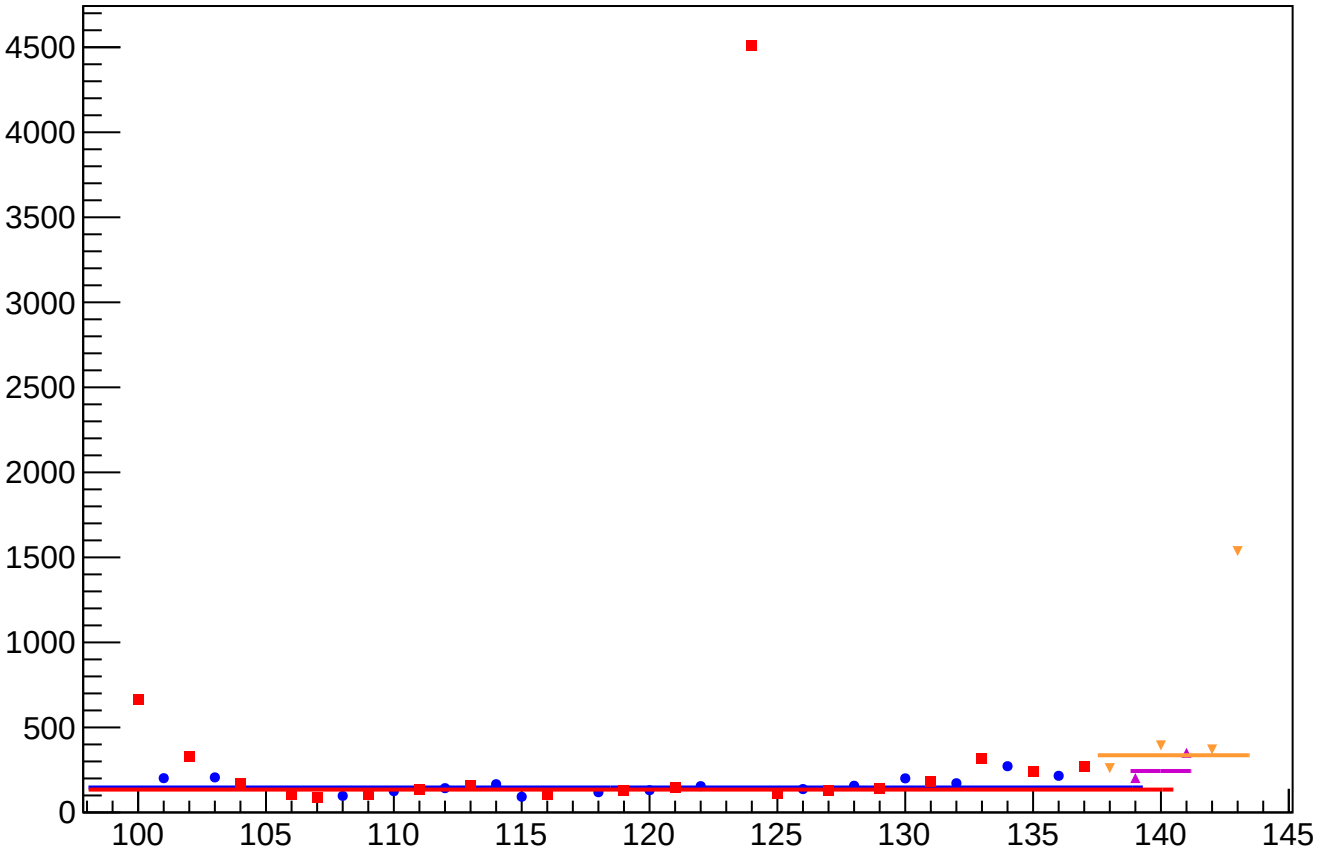
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 336.417+/-0.159 χ^2/NDF:1164898.4/3

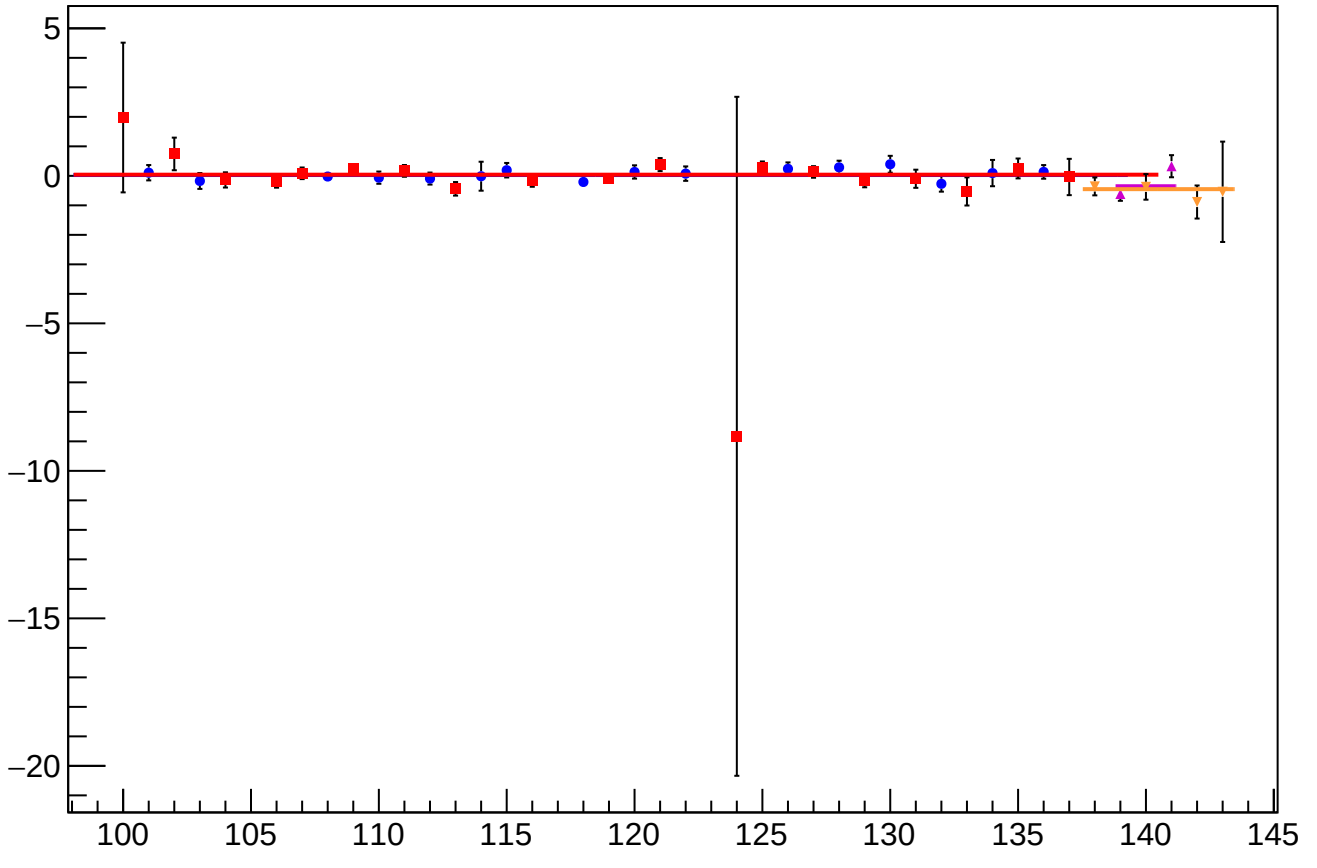
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496670.5/19

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40

- sign 142.304+/-0.037 χ^2/NDF: 2401371.6/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

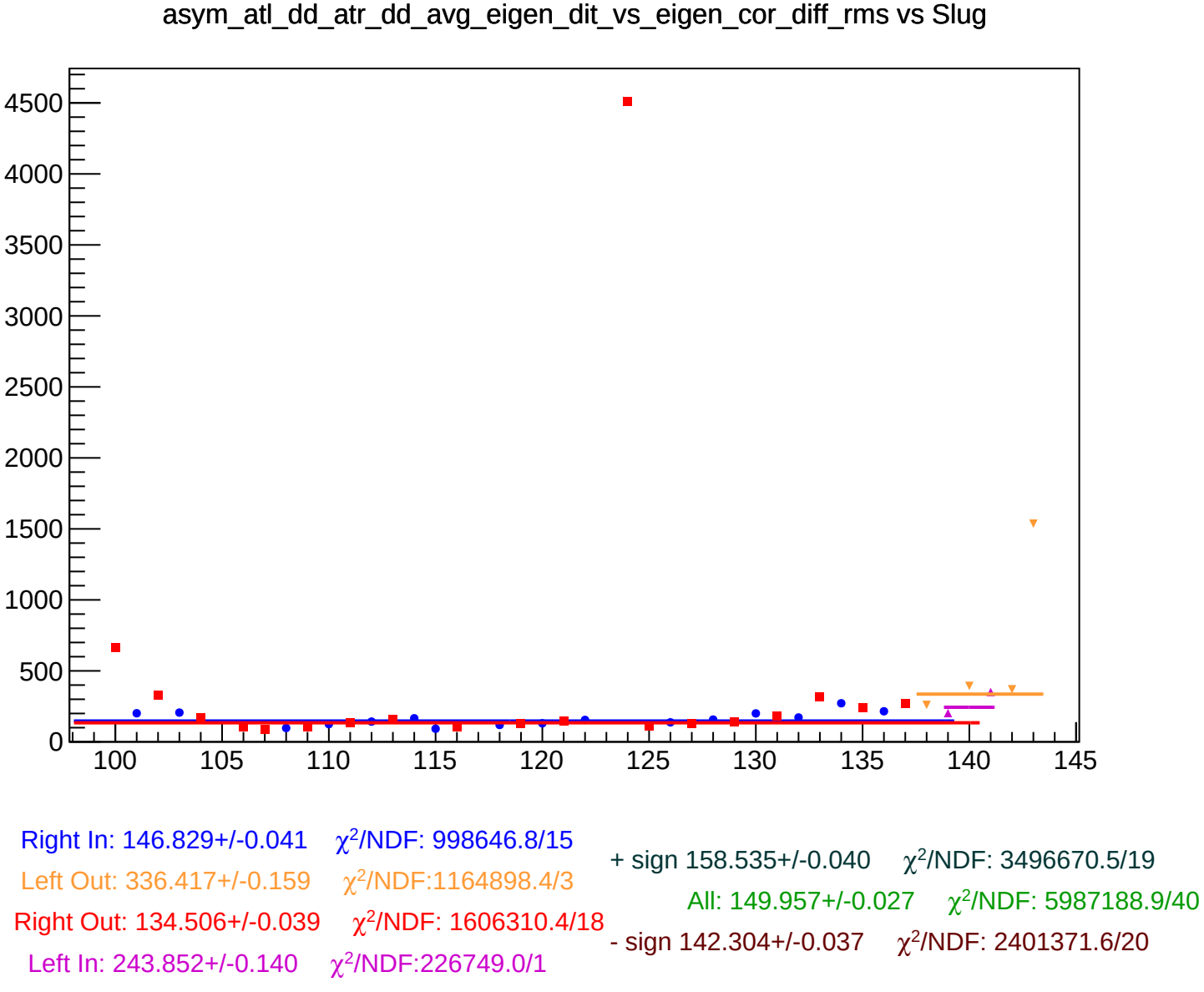
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

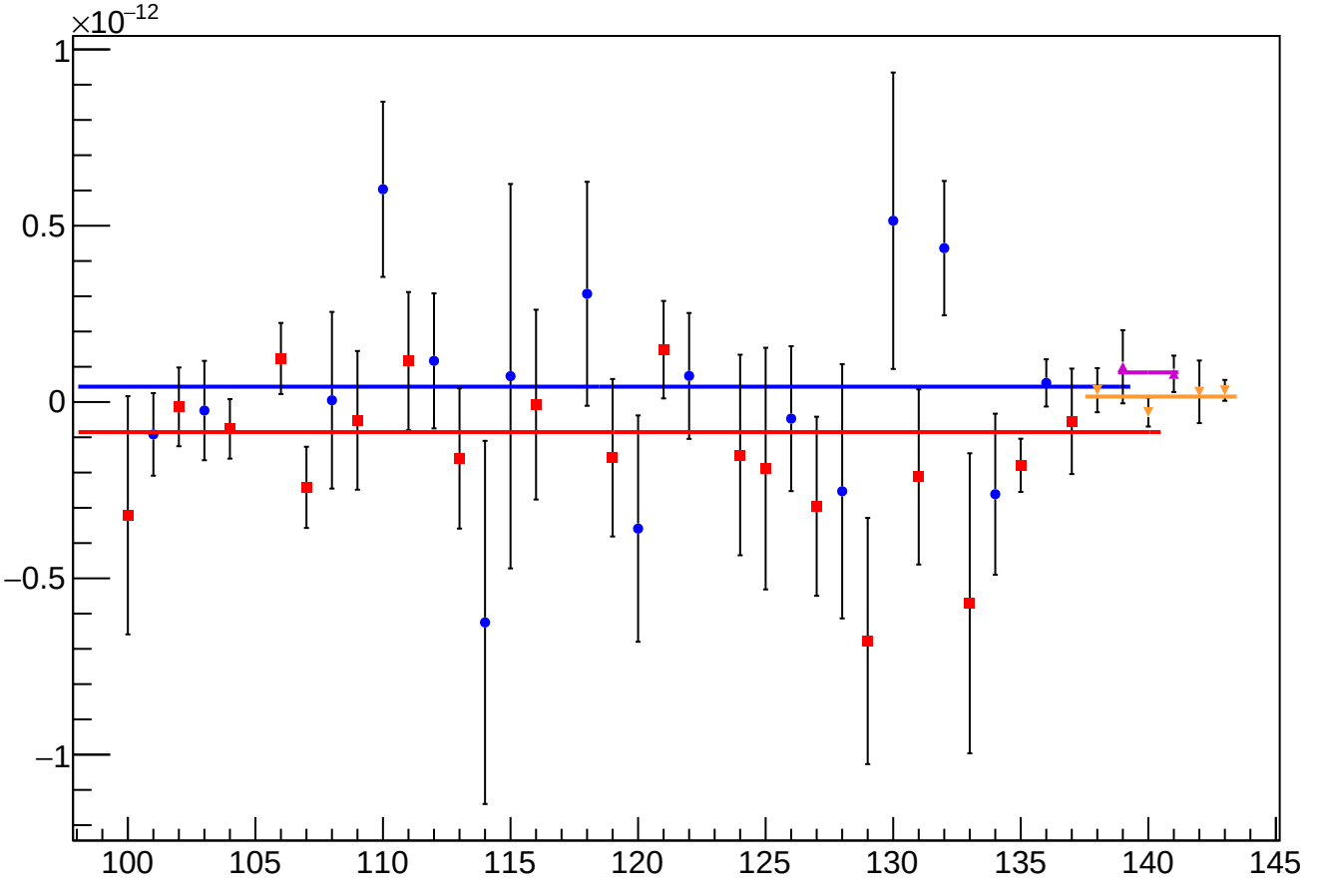
Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
105
110
115
120
125
130
135
140
145
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 336.417+/-0.159 χ²/NDF:1164898.4/3
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 243.852+/-0.140 χ²/NDF:226749.0/1
+ sign 158.535+/-0.040 χ²/NDF: 3496670.5/19
All: 149.957+/-0.027 χ²/NDF: 5987188.9/40
- sign 142.304+/-0.037 χ²/NDF: 2401371.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

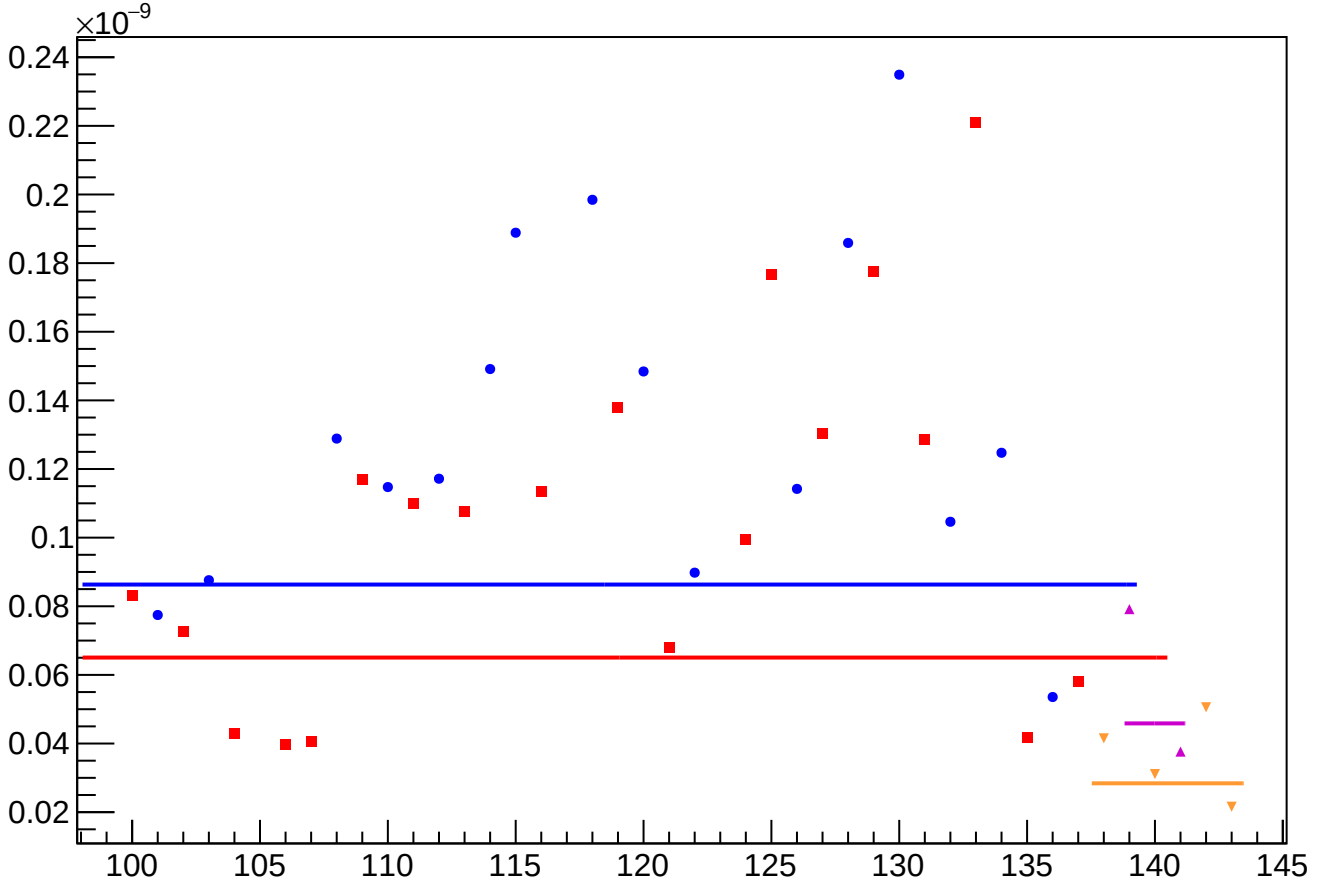
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 20.9/19

All: 0.000+/-0.000 χ^2/NDF: 49.7/40

- sign -0.000+/-0.000 χ^2/NDF: 26.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:327111.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

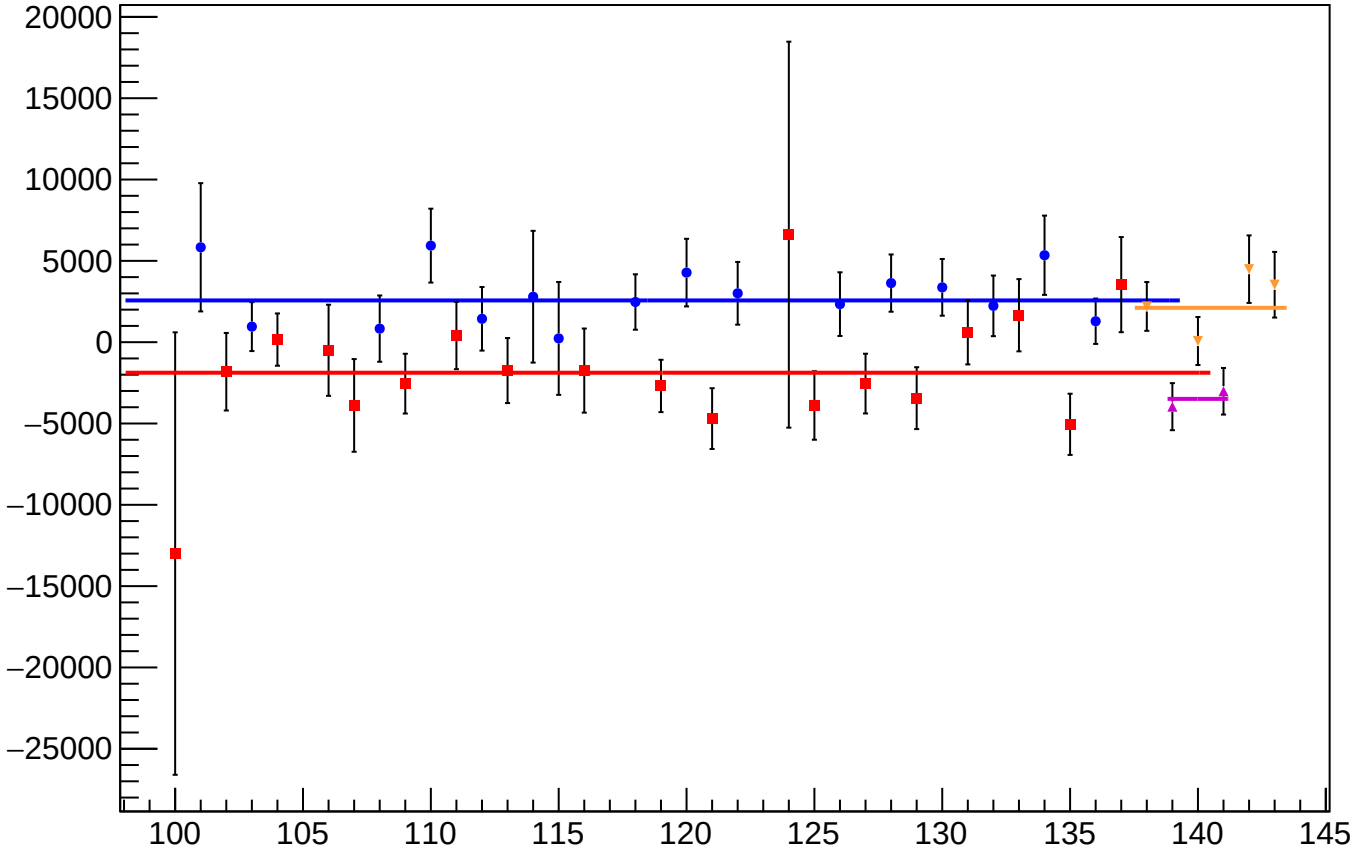
Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 4811858.3/19

All: 0.000+/-0.000 χ^2/NDF: 8019028.8/40

- sign 0.000+/-0.000 χ^2/NDF: 2638271.2/20

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.226+/-850.958 χ^2/NDF:3.7/3

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

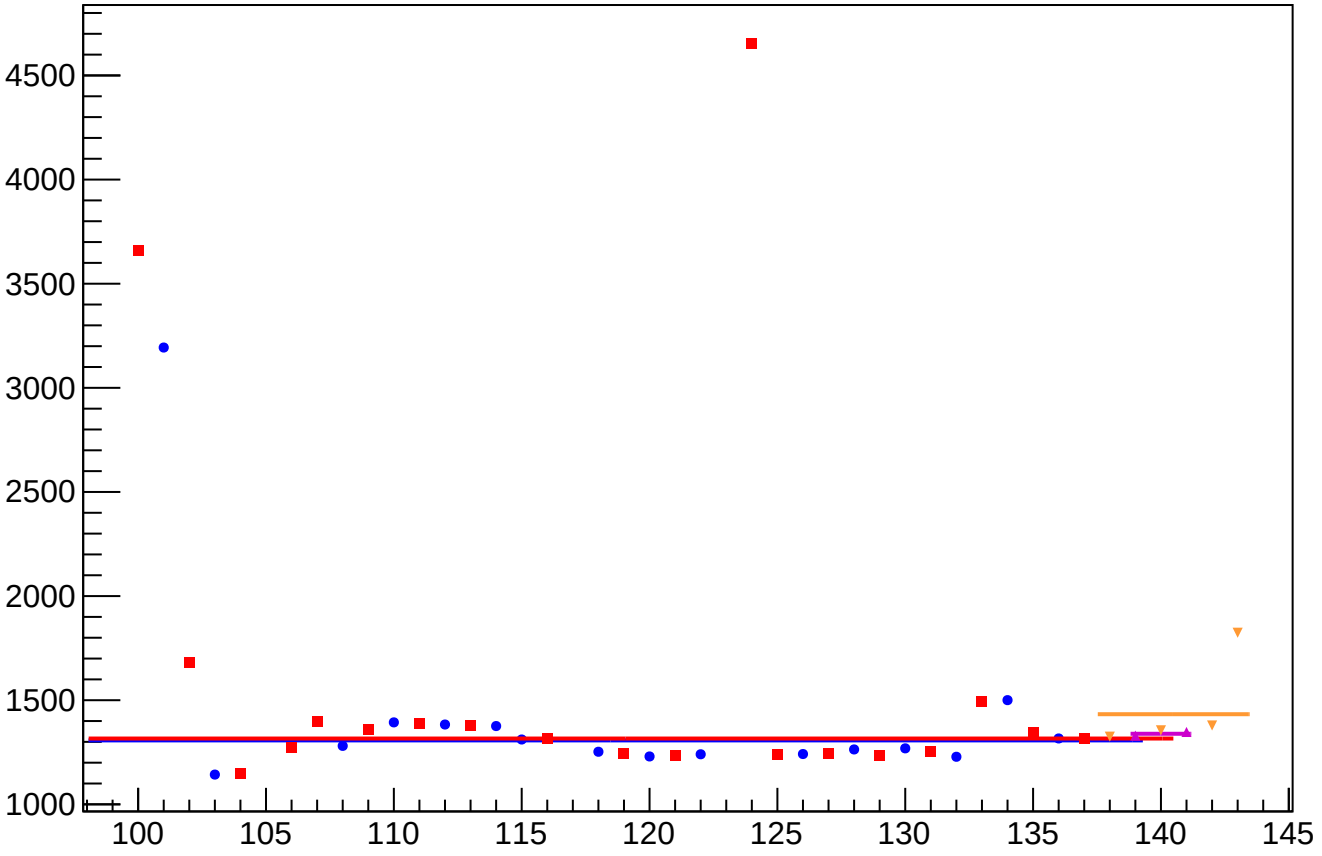
Left In: -3486.669+/-1017.829 χ^2/NDF:0.2/1

+ sign 2452.492+/-428.110 χ^2/NDF: 13.0/19

All: 222.923+/-308.499 χ^2/NDF: 91.2/40

- sign -2185.442+/-444.945 χ^2/NDF: 21.8/20

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1432.787+/-0.602 χ^2/NDF:92289.2/3

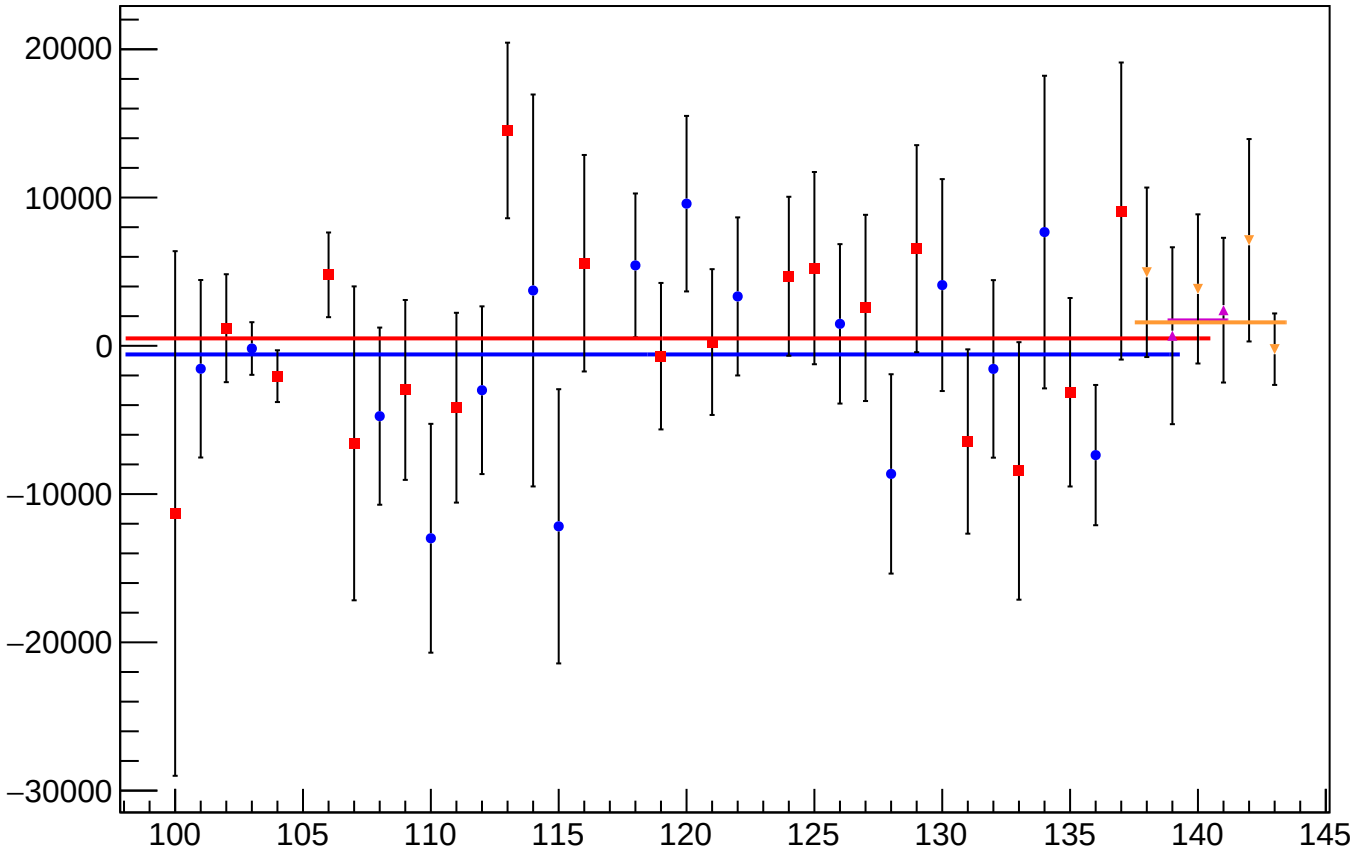
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1338.861+/-0.720 χ^2/NDF:149.6/1

+ sign 1338.888+/-0.303 χ^2/NDF: 641142.7/19

All: 1329.955+/-0.218 χ^2/NDF: 970336.4/40

- sign 1320.349+/-0.314 χ^2/NDF: 327386.7/20



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 1581.780+/-1947.495 χ^2/NDF:1.8/3

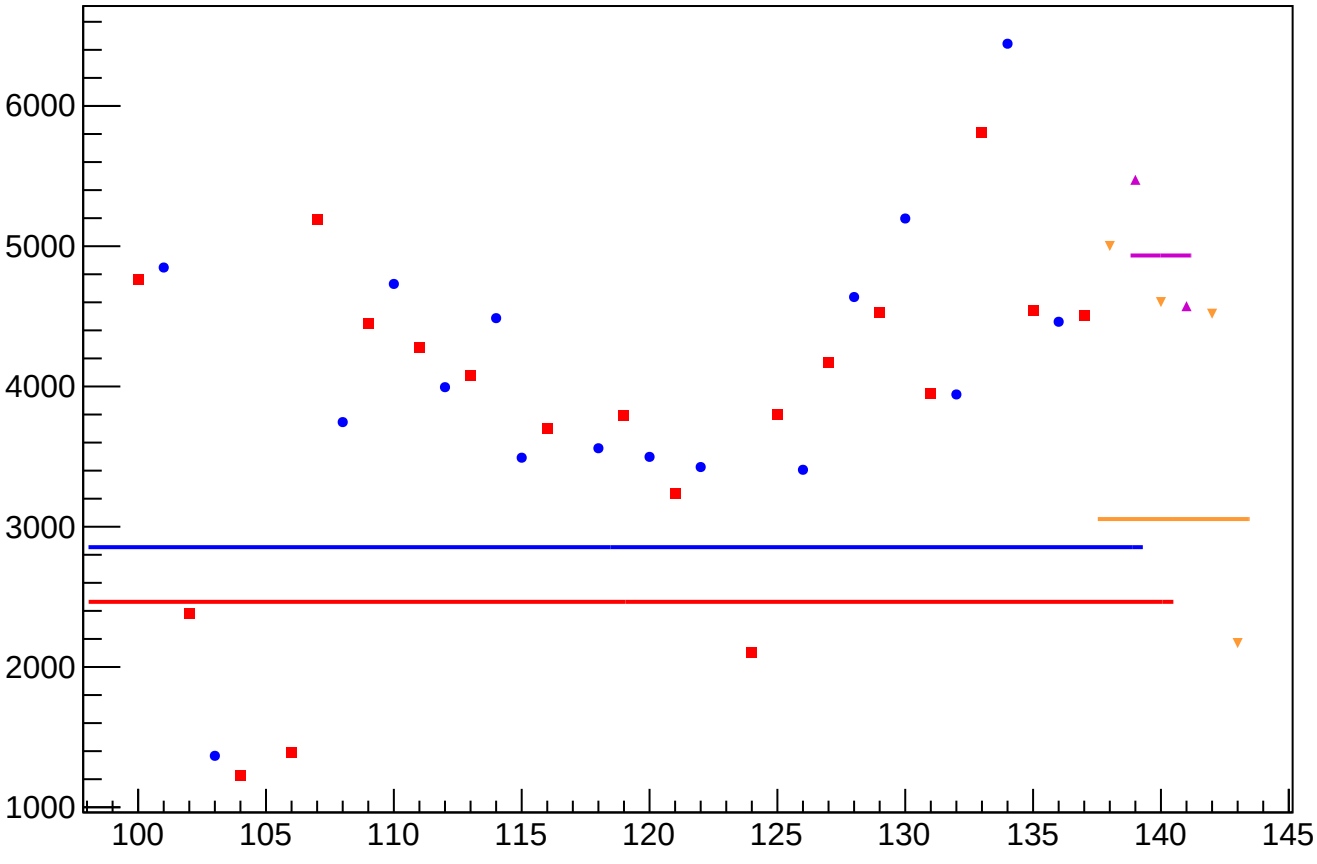
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1712.622+/-3777.686 χ^2/NDF:0.0/1

+ sign 8.468+/-1017.213 χ^2/NDF: 17.4/19

All: 298.381+/-719.028 χ^2/NDF: 35.4/40

- sign 587.891+/-1016.507 χ^2/NDF: 17.8/20



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3054.754+/-1.377 χ^2/NDF:782100.7/3

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

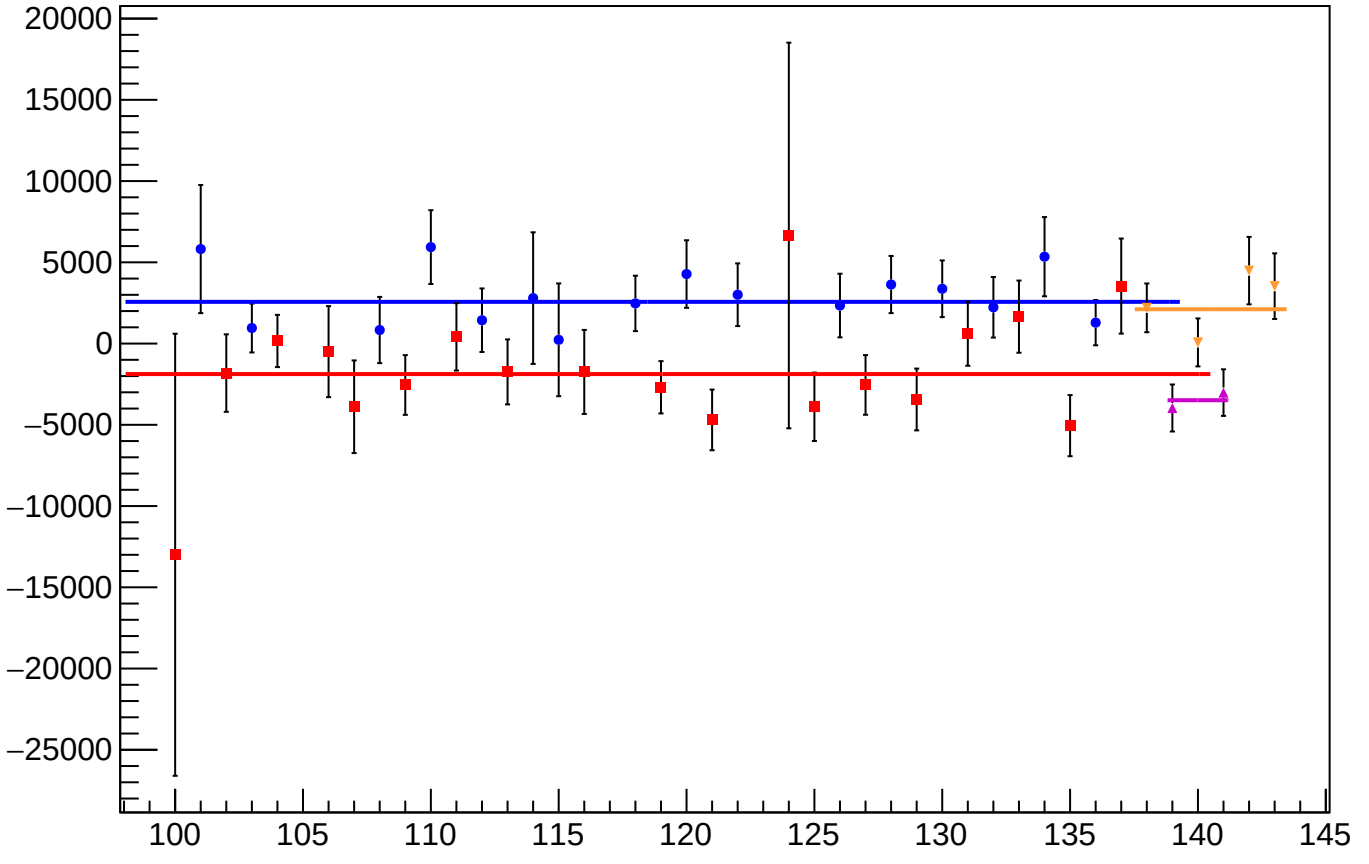
Left In: 4933.926+/-2.671 χ^2/NDF:27330.5/1

+ sign 2908.987+/-0.719 χ^2/NDF: 3702331.0/19

All: 2776.094+/-0.508 χ^2/NDF: 7946509.3/40

- sign 2643.385+/-0.719 χ^2/NDF: 4175953.9/20

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.305+/-850.958 χ^2/NDF:3.7/3

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

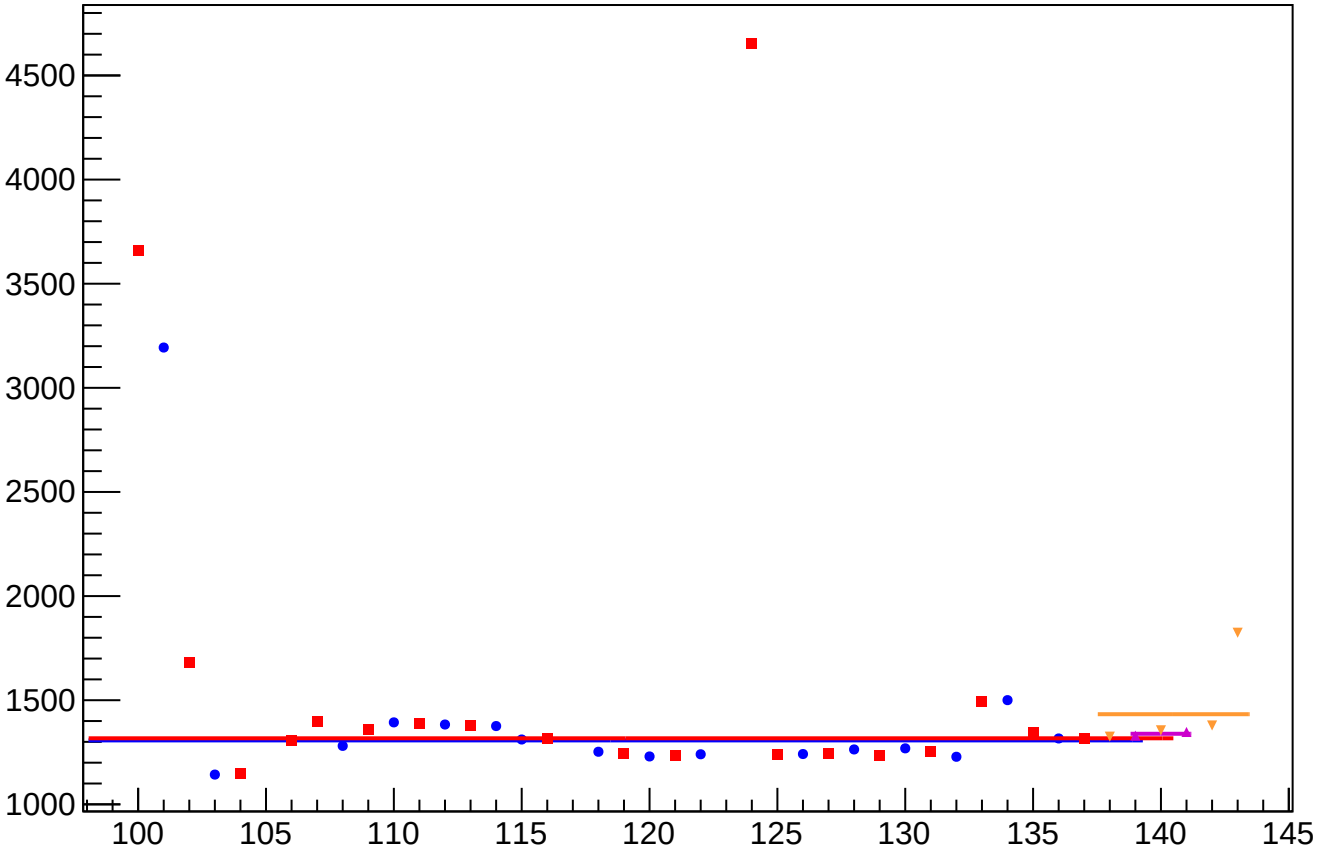
Left In: -3486.936+/-1017.829 χ^2/NDF:0.2/1

+ sign 2452.304+/-428.110 χ^2/NDF: 13.0/19

All: 222.900+/-308.499 χ^2/NDF: 91.2/40

- sign -2185.286+/-444.945 χ^2/NDF: 21.8/20

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1432.787+/-0.602 χ^2/NDF:92289.2/3

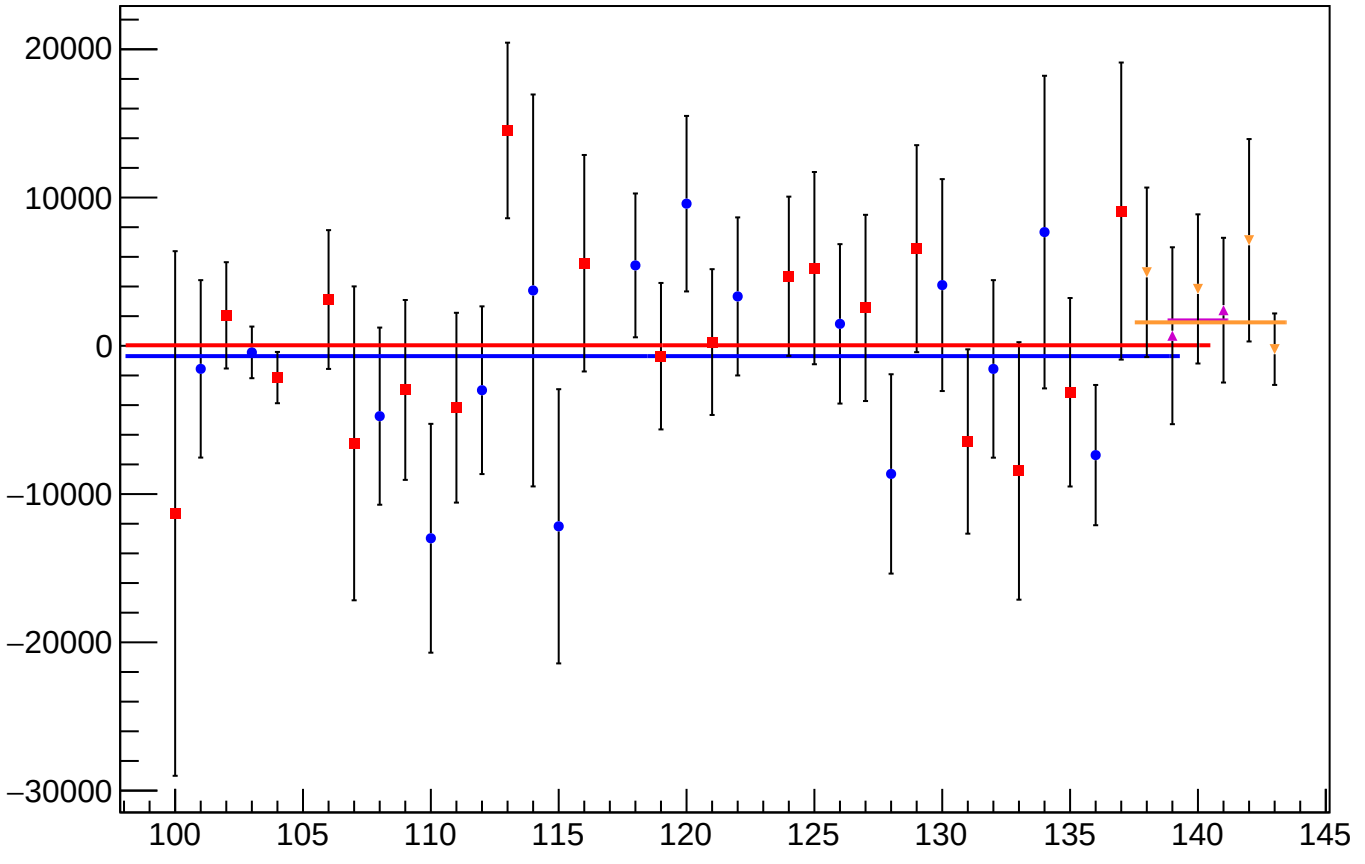
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1338.861+/-0.720 χ^2/NDF:149.6/1

+ sign 1338.888+/-0.303 χ^2/NDF: 641144.3/19

All: 1330.404+/-0.218 χ^2/NDF: 969589.9/40

- sign 1321.268+/-0.314 χ^2/NDF: 326814.5/20



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1581.826+/-1947.477 χ^2/NDF:1.8/3

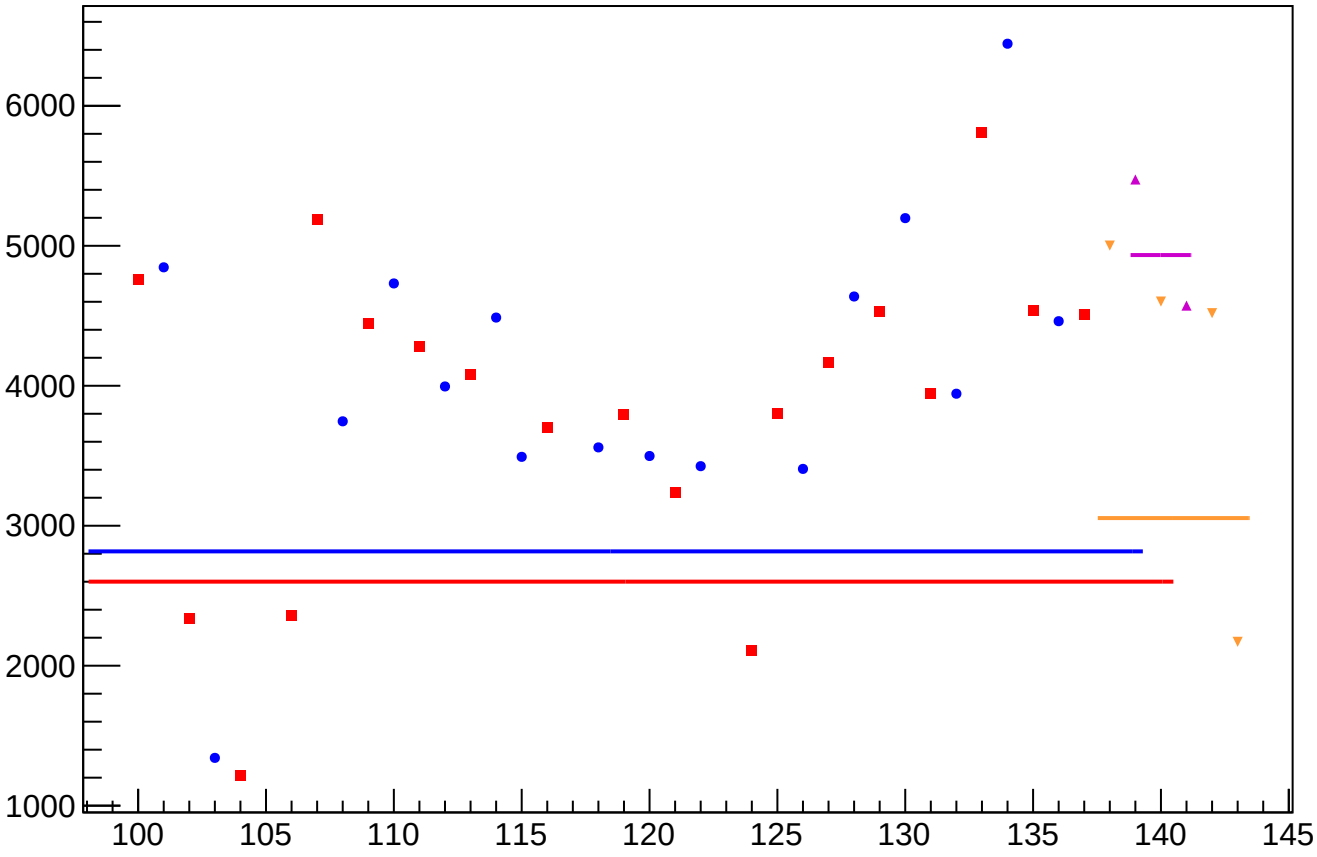
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1712.696+/-3777.686 χ^2/NDF:0.0/1

+ sign -81.919+/-1010.720 χ^2/NDF: 17.5/19

All: 37.147+/-729.690 χ^2/NDF: 33.7/40

- sign 166.764+/-1054.550 χ^2/NDF: 16.2/20



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3054.719+/-1.377 χ^2/NDF:782121.7/3

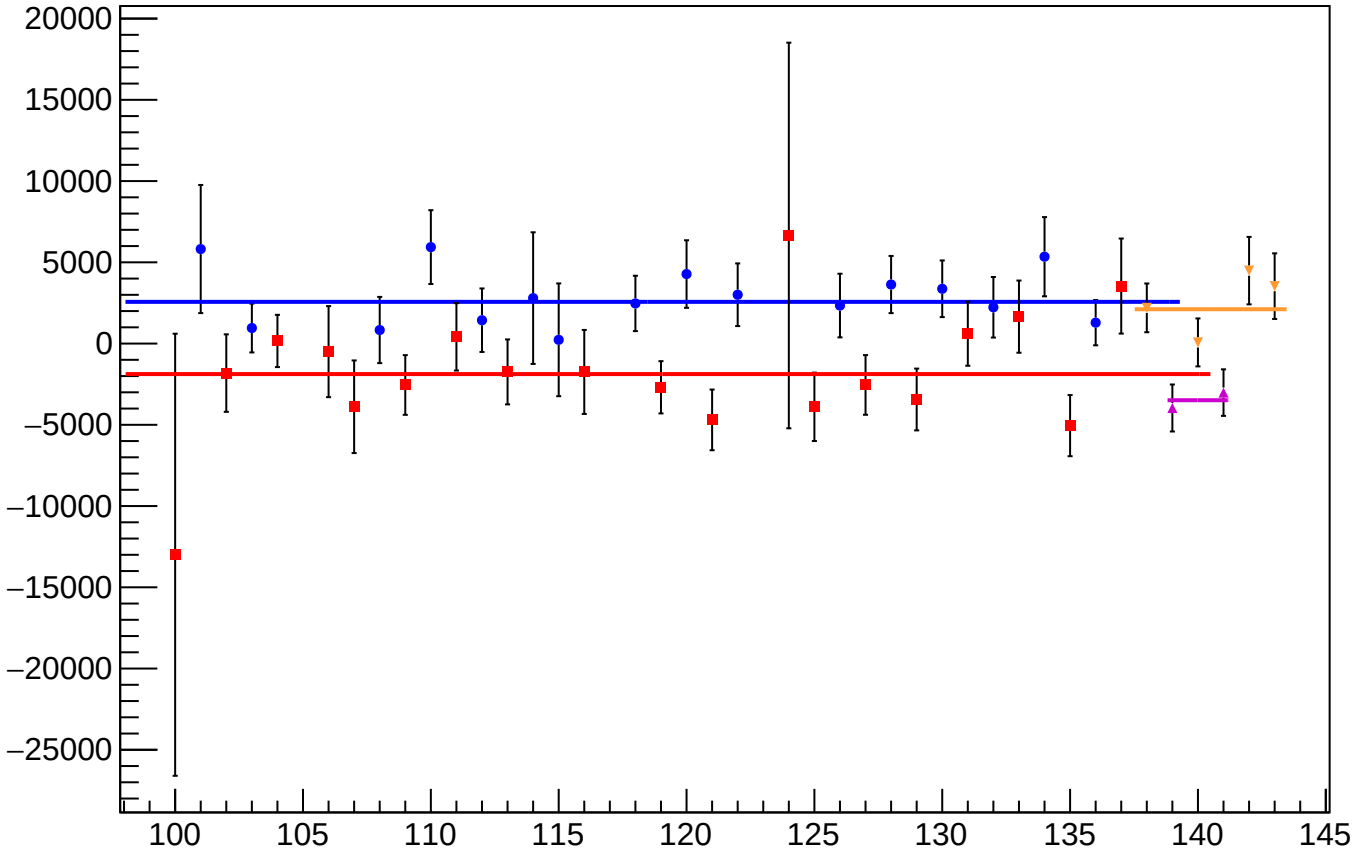
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4933.925+/-2.671 χ^2/NDF:27331.2/1

+ sign 2880.872+/-0.715 χ^2/NDF: 3811504.5/19

All: 2833.704+/-0.516 χ^2/NDF: 7632299.8/40

- sign 2782.357+/-0.746 χ^2/NDF: 3811697.9/20



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.305+/-850.958 χ^2/NDF:3.7/3

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

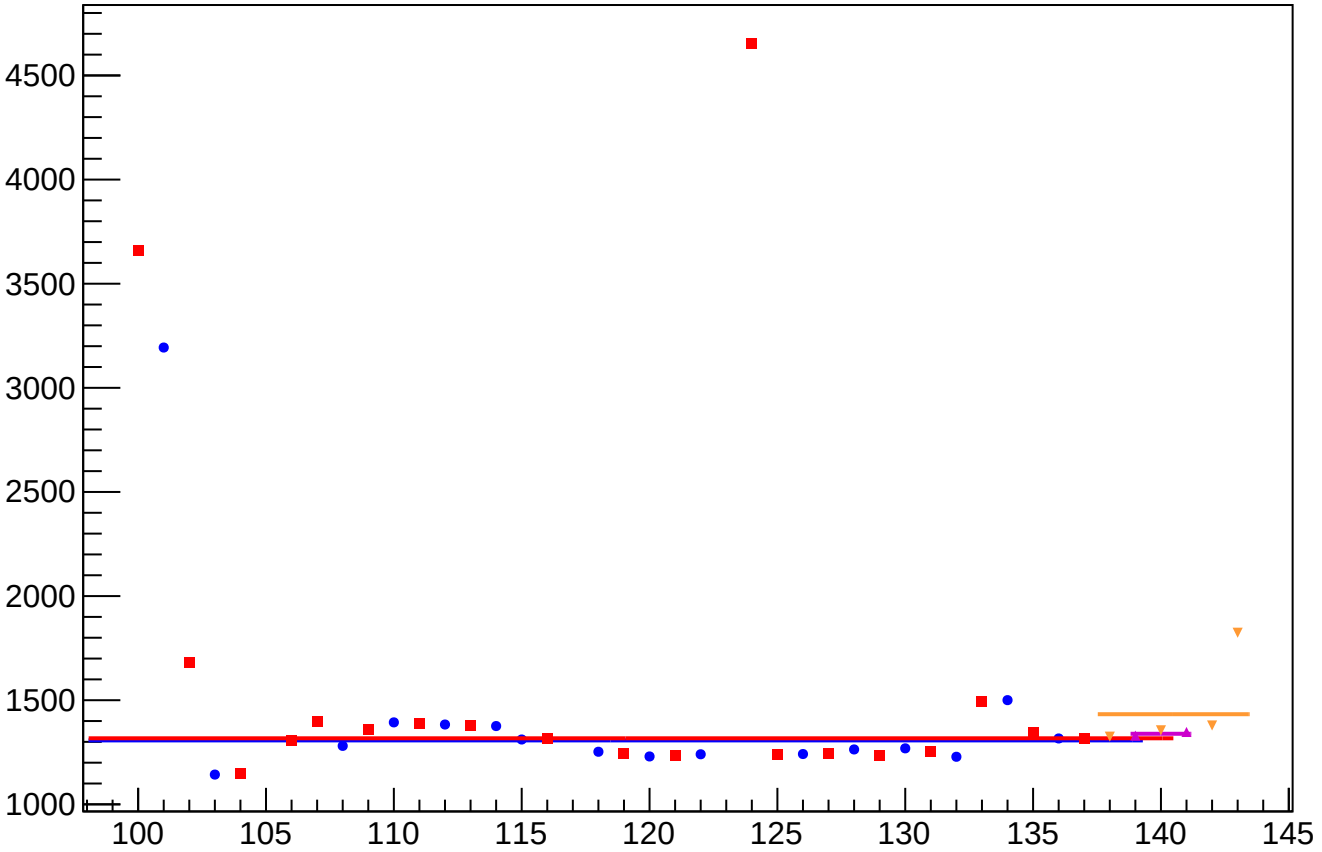
Left In: -3486.936+/-1017.829 χ^2/NDF:0.2/1

+ sign 2452.304+/-428.110 χ^2/NDF: 13.0/19

All: 222.900+/-308.499 χ^2/NDF: 91.2/40

- sign -2185.286+/-444.945 χ^2/NDF: 21.8/20

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: 1432.787+/-0.602 χ^2/NDF:92289.2/3

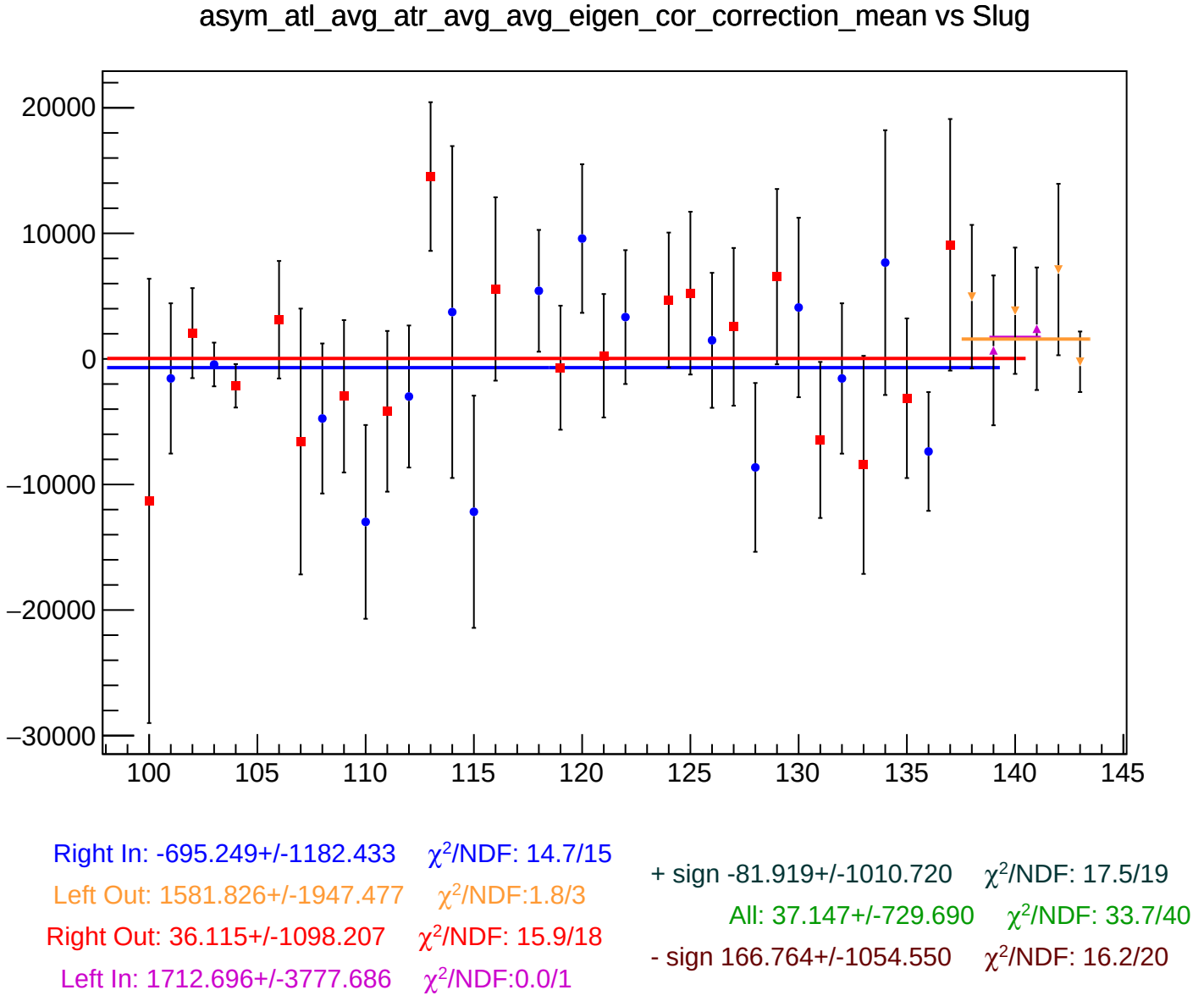
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

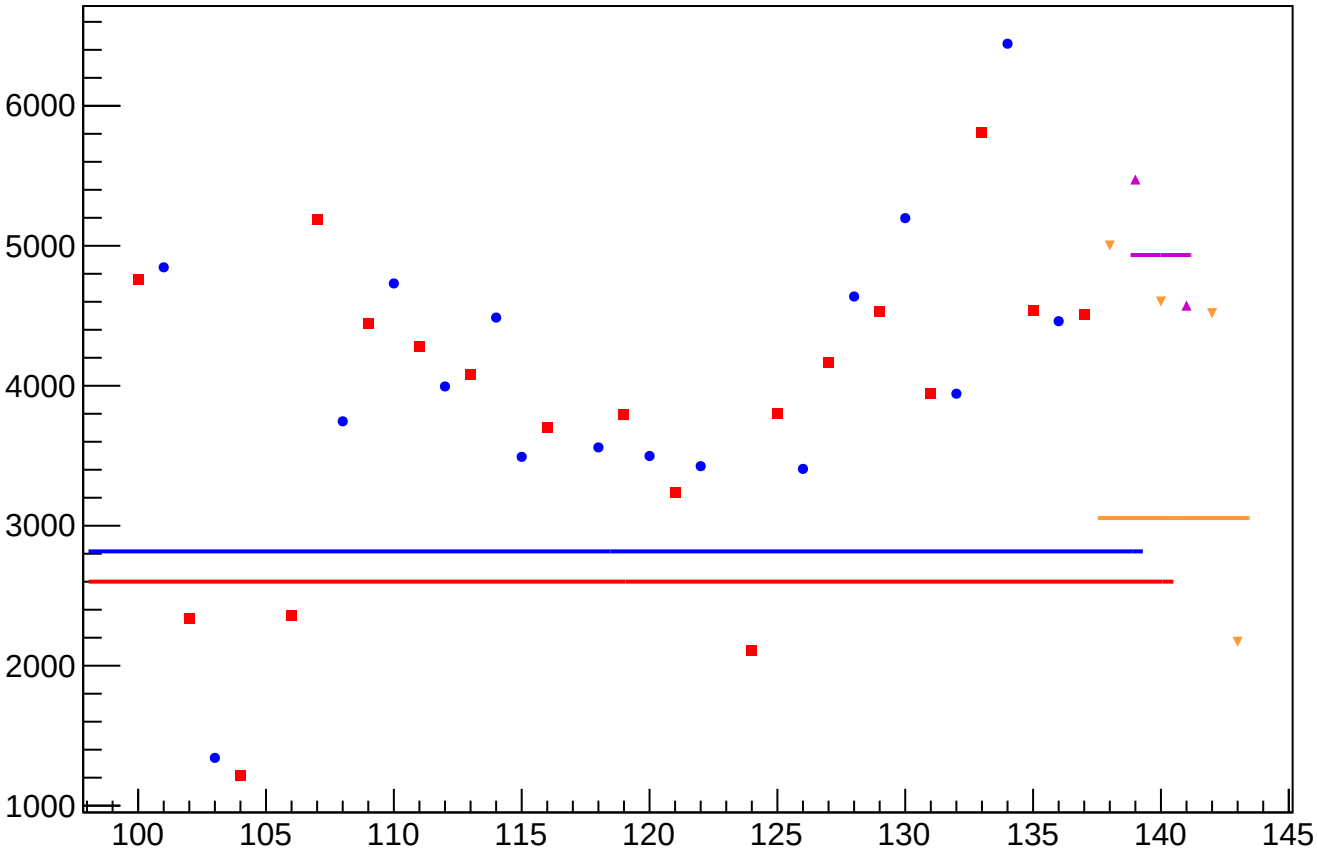
Left In: 1338.861+/-0.720 χ^2/NDF:149.6/1

+ sign 1338.888+/-0.303 χ^2/NDF: 641144.3/19

All: 1330.404+/-0.218 χ^2/NDF: 969589.9/40

- sign 1321.268+/-0.314 χ^2/NDF: 326814.5/20


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: 1581.826+/-1947.477 χ²/NDF:1.8/3
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: 1712.696+/-3777.686 χ²/NDF:0.0/1
+ sign -81.919+/-1010.720 χ²/NDF: 17.5/19
All: 37.147+/-729.690 χ²/NDF: 33.7/40
- sign 166.764+/-1054.550 χ²/NDF: 16.2/20



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3054.719+/-1.377 χ^2/NDF:782121.7/3

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

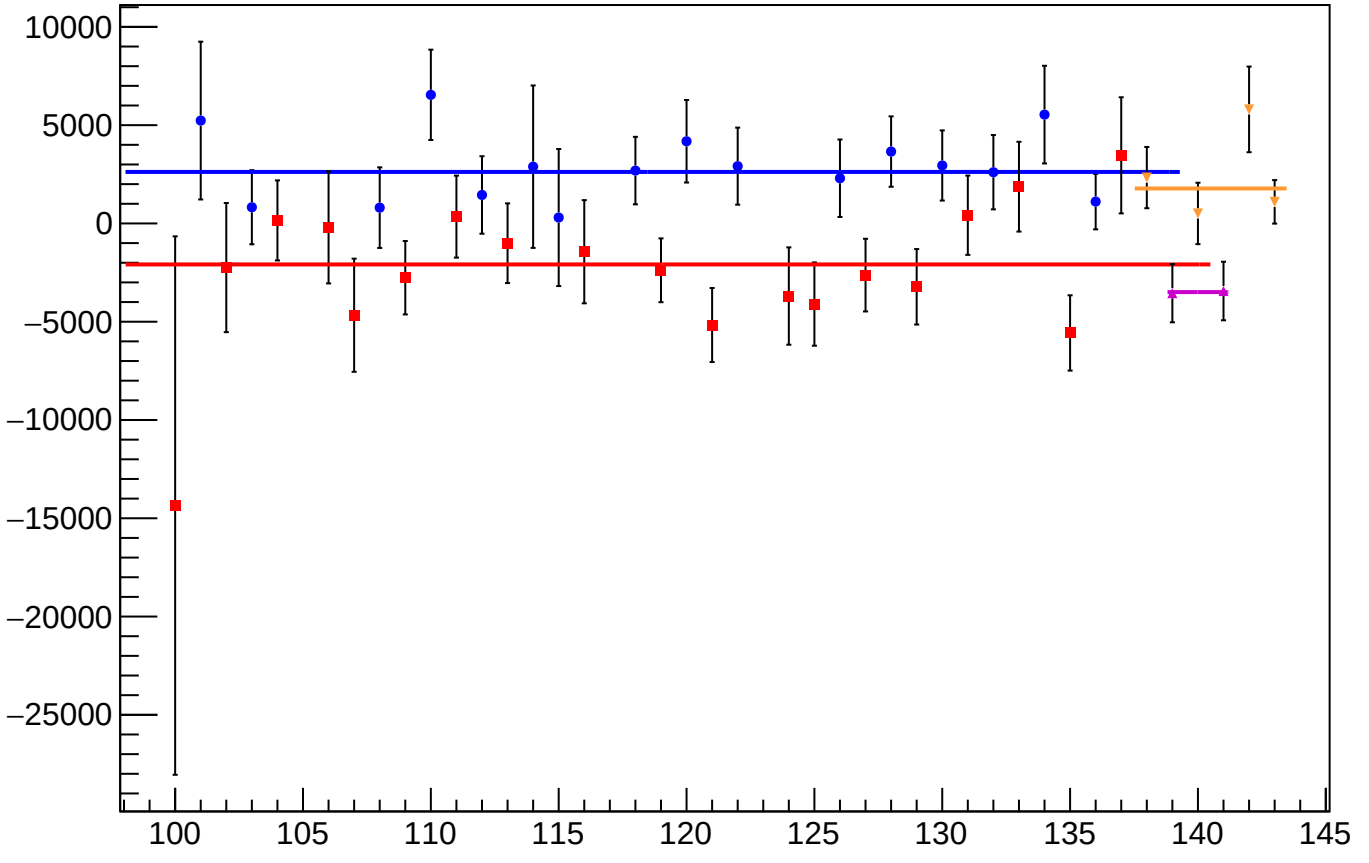
Left In: 4933.925+/-2.671 χ^2/NDF:27331.2/1

+ sign 2880.872+/-0.715 χ^2/NDF: 3811504.5/19

All: 2833.704+/-0.516 χ^2/NDF: 7632299.8/40

- sign 2782.357+/-0.746 χ^2/NDF: 3811697.9/20

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1778.833+/-735.632 χ^2/NDF:4.6/3

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

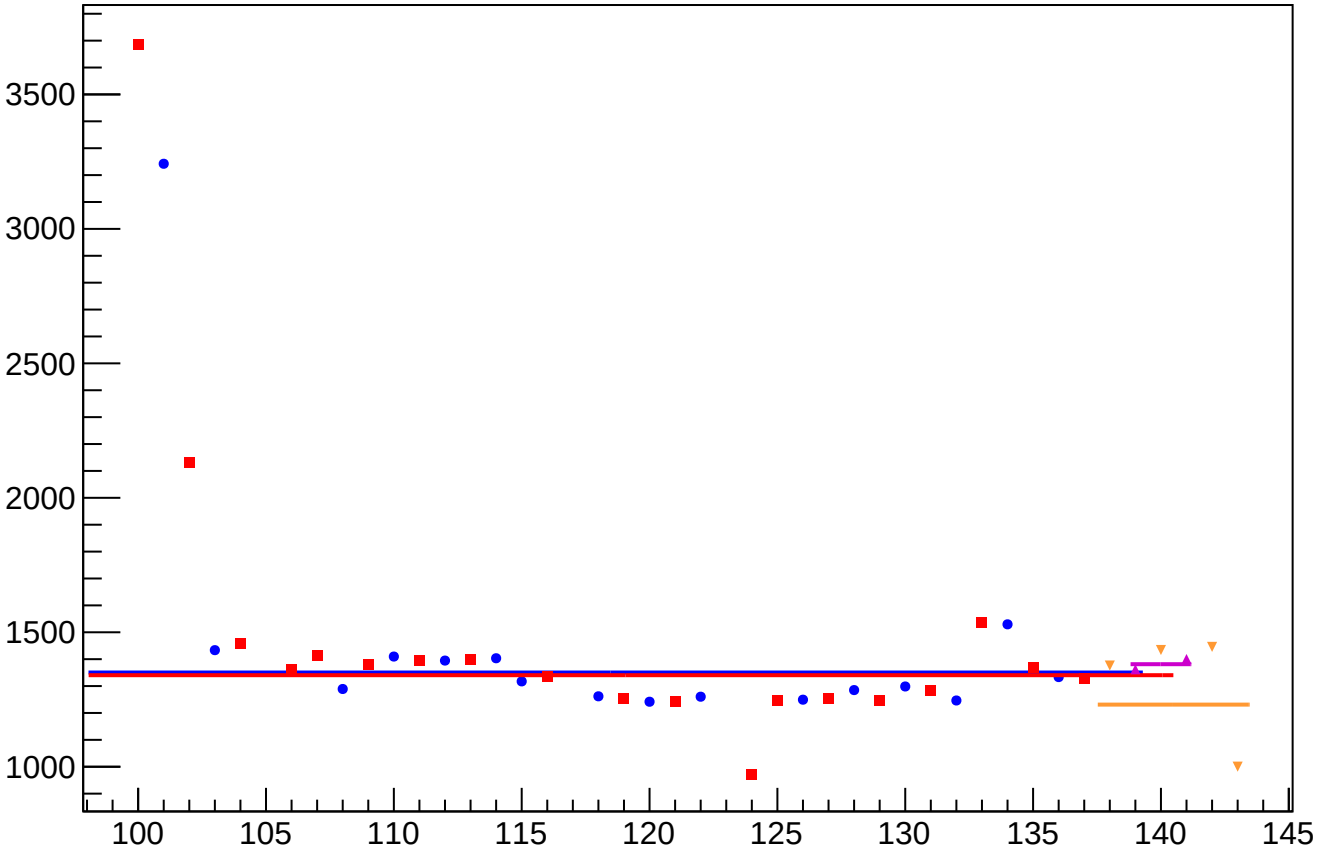
Left In: -3492.907+/-1050.422 χ^2/NDF:0.0/1

+ sign 2346.212+/-419.964 χ^2/NDF: 14.8/19

All: 186.204+/-308.616 χ^2/NDF: 94.7/40

- sign -2349.702+/-455.041 χ^2/NDF: 22.4/20

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1231.050+/-0.520 χ^2/NDF:157453.6/3

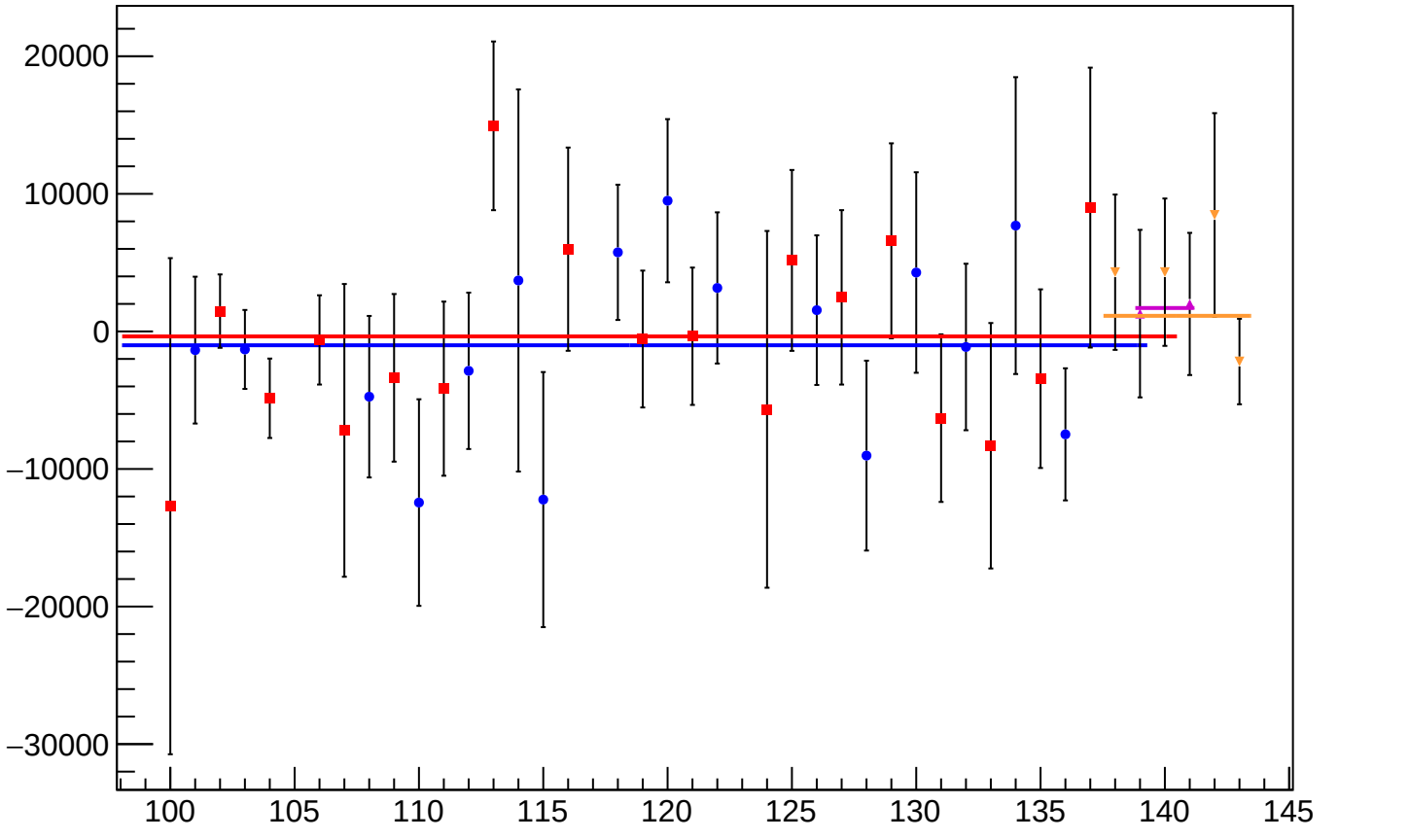
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1381.333+/-0.743 χ^2/NDF:664.4/1

\+ sign 1311.481+/-0.297 χ^2/NDF: 686973.3/19

All: 1328.333+/-0.218 χ^2/NDF: 969282.5/40

\- sign 1348.097+/-0.322 χ^2/NDF: 275312.1/20



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 1132.645+/-2305.861 χ^2/NDF:2.8/3

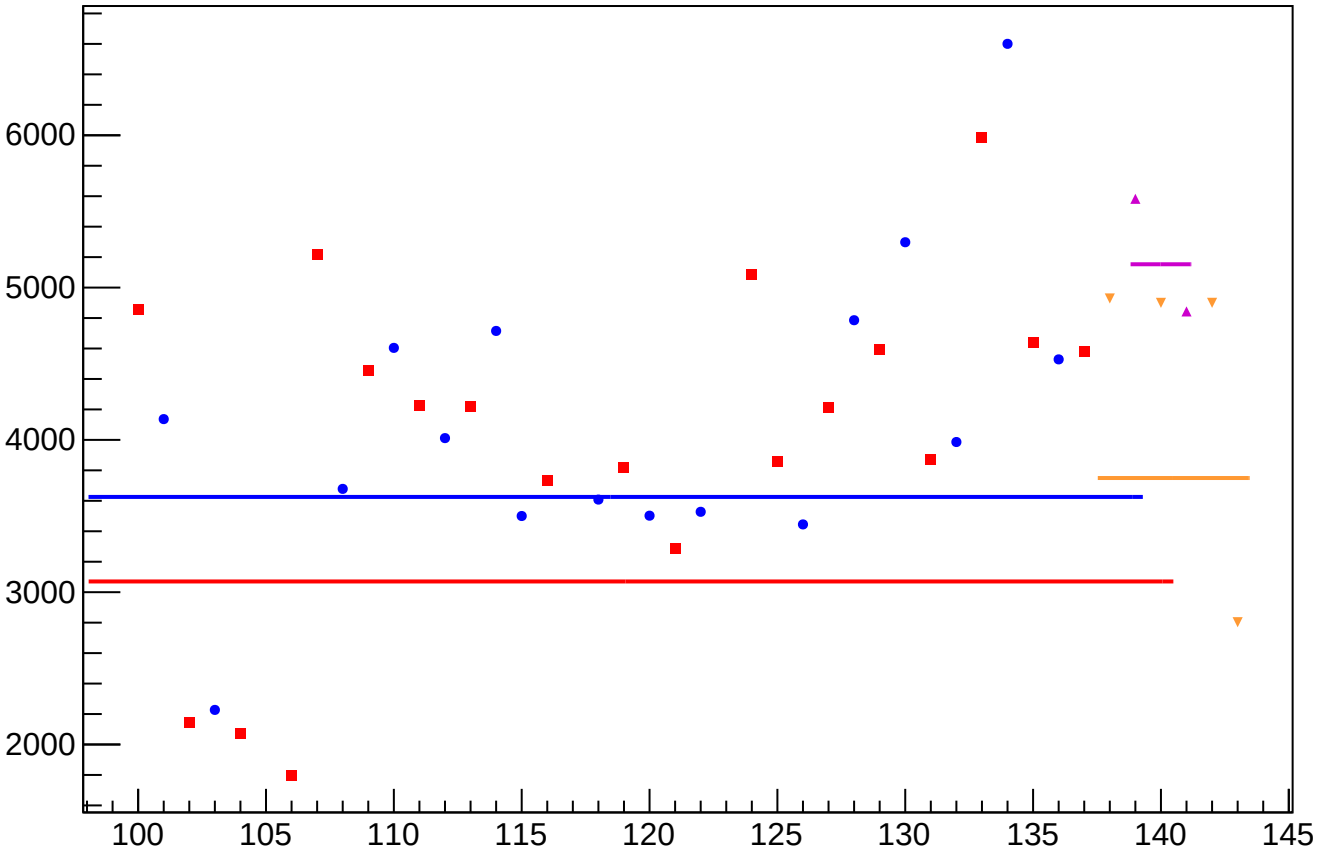
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: 1701.984+/-3940.607 χ^2/NDF:0.0/1

+ sign -427.841+/-1199.480 χ^2/NDF: 18.0/19

All: -303.124+/-830.167 χ^2/NDF: 34.5/40

- sign -188.456+/-1150.140 χ^2/NDF: 16.5/20



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3749.640+/-1.630 χ^2/NDF:413474.0/3

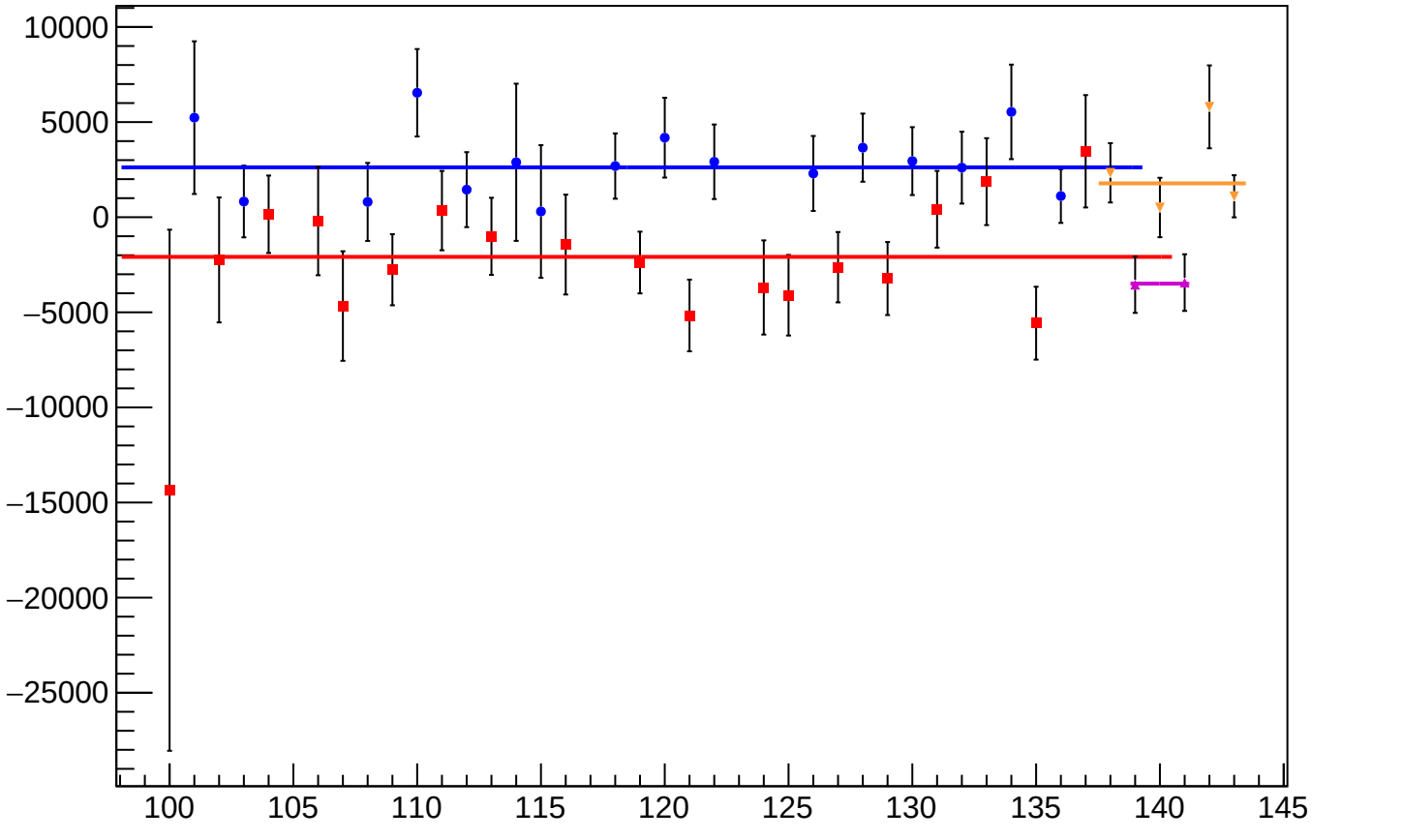
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5153.116+/-2.786 χ^2/NDF:17142.5/1

+ sign 3659.100+/-0.848 χ^2/NDF: 1362606.8/19

All: 3444.848+/-0.587 χ^2/NDF: 3851956.0/40

- sign 3247.859+/-0.813 χ^2/NDF: 2366869.0/20



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1778.834+/-735.632 χ^2/NDF:4.6/3

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

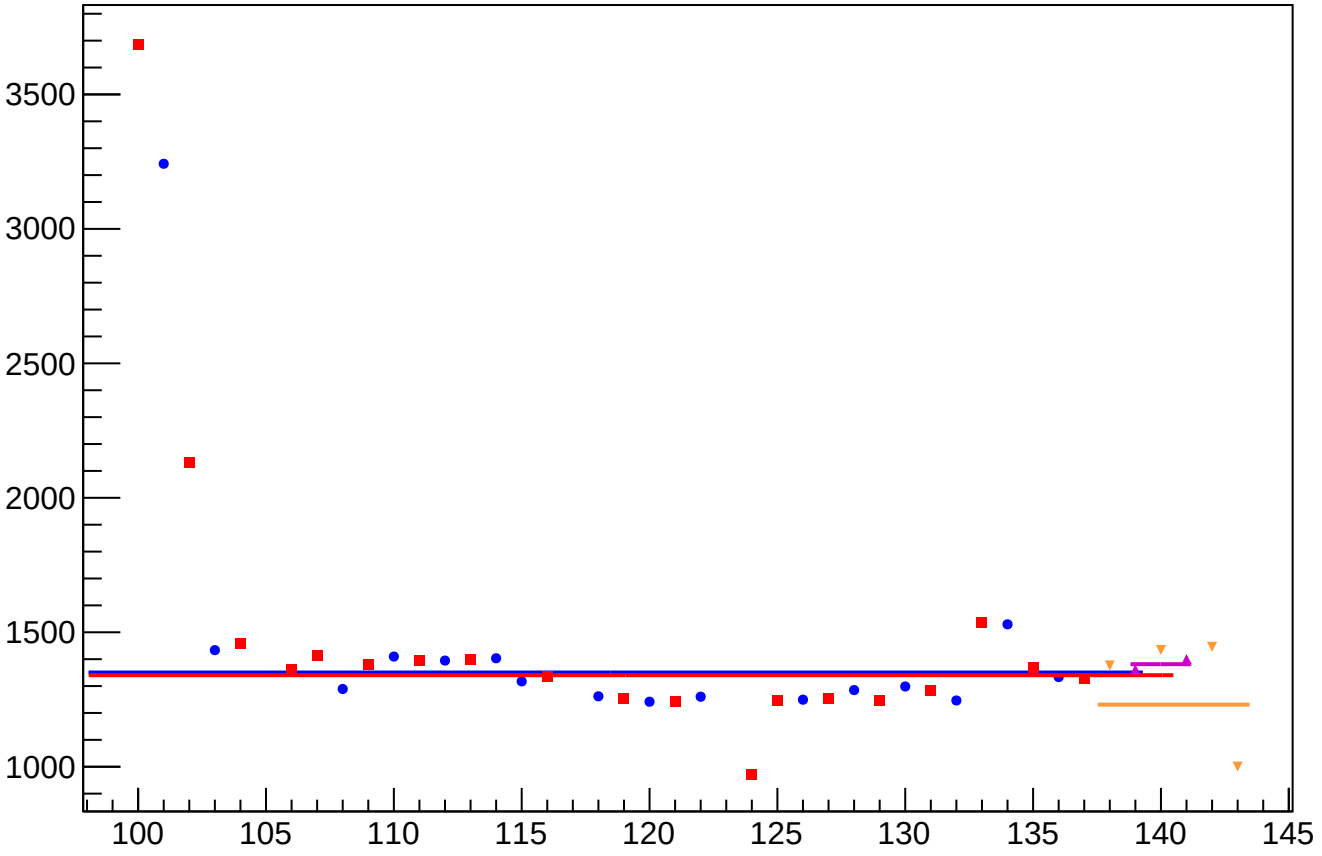
Left In: -3492.892+/-1050.423 χ^2/NDF:0.0/1

+ sign 2346.213+/-419.964 χ^2/NDF: 14.8/19

All: 186.205+/-308.616 χ^2/NDF: 94.7/40

- sign -2349.700+/-455.041 χ^2/NDF: 22.4/20

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: 1231.051+/-0.520 χ^2/NDF:157453.4/3

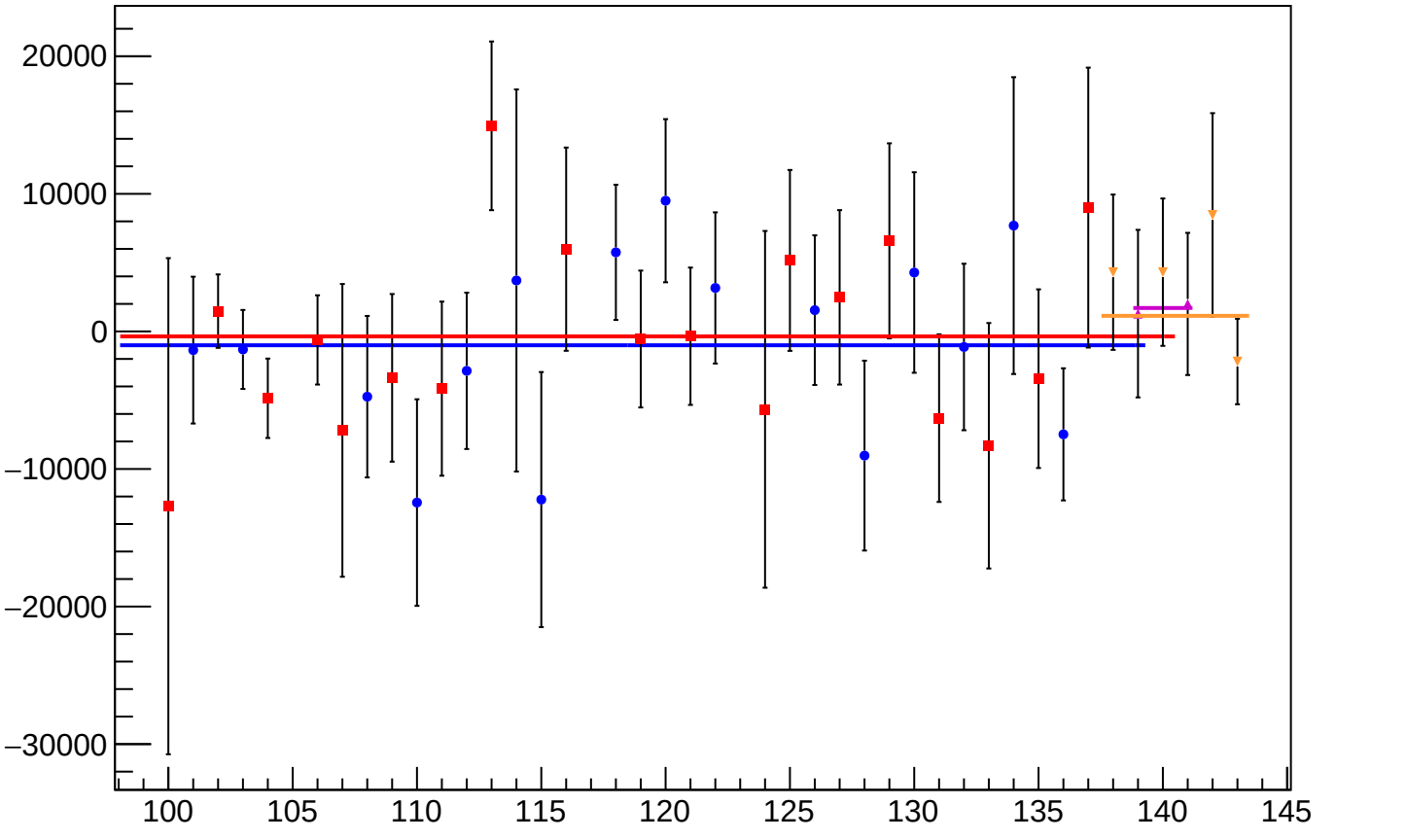
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1381.334+/-0.743 χ^2/NDF:664.3/1

+ sign 1311.481+/-0.297 χ^2/NDF: 686972.4/19

All: 1328.333+/-0.218 χ^2/NDF: 969280.6/40

- sign 1348.097+/-0.322 χ^2/NDF: 275311.3/20



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 1132.646+/-2305.865 χ^2/NDF:2.8/3

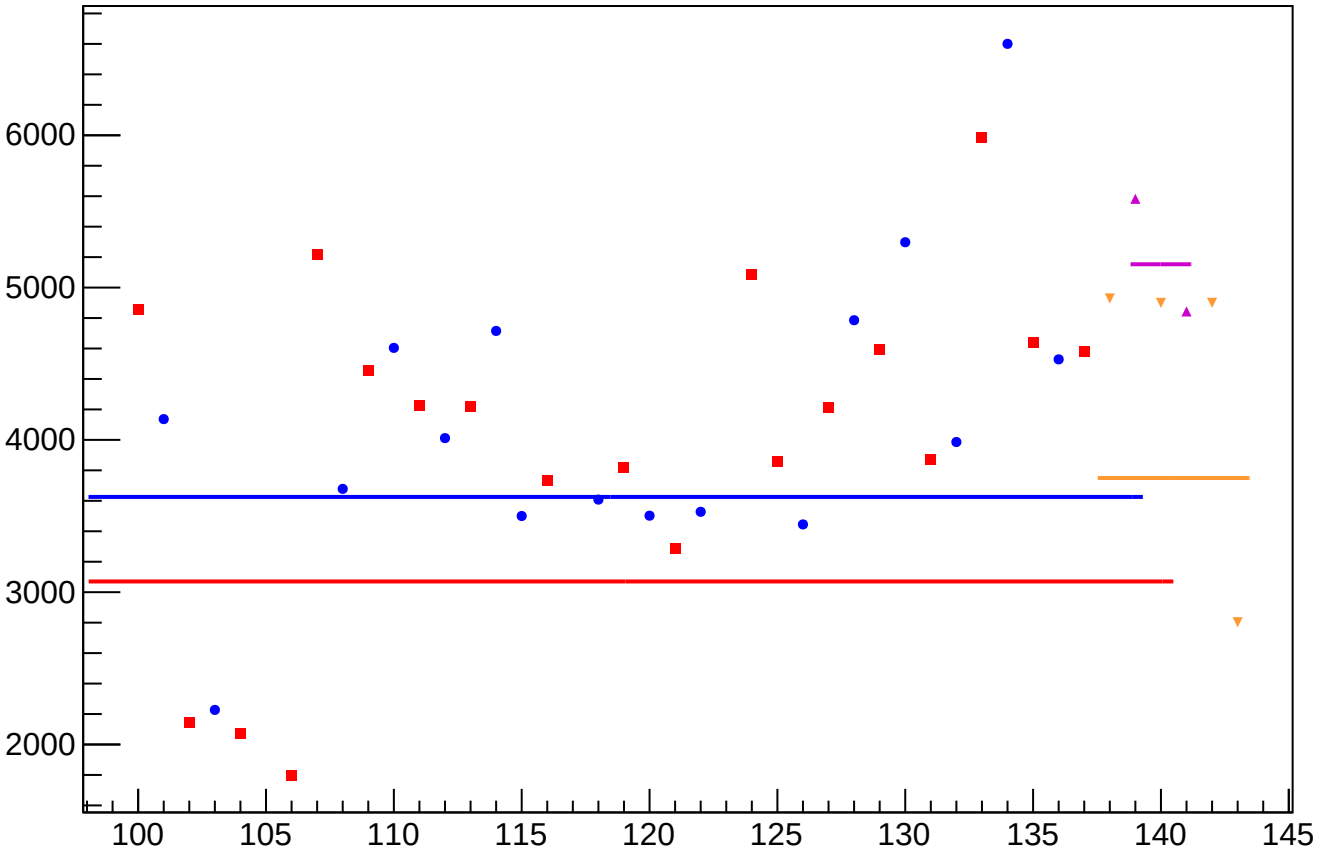
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 1701.996+/-3940.613 χ^2/NDF:0.0/1

+ sign -427.838+/-1199.479 χ^2/NDF: 18.0/19

All: -303.123+/-830.165 χ^2/NDF: 34.5/40

- sign -188.457+/-1150.137 χ^2/NDF: 16.5/20



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 3749.647+/-1.630 χ^2/NDF:413473.6/3

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

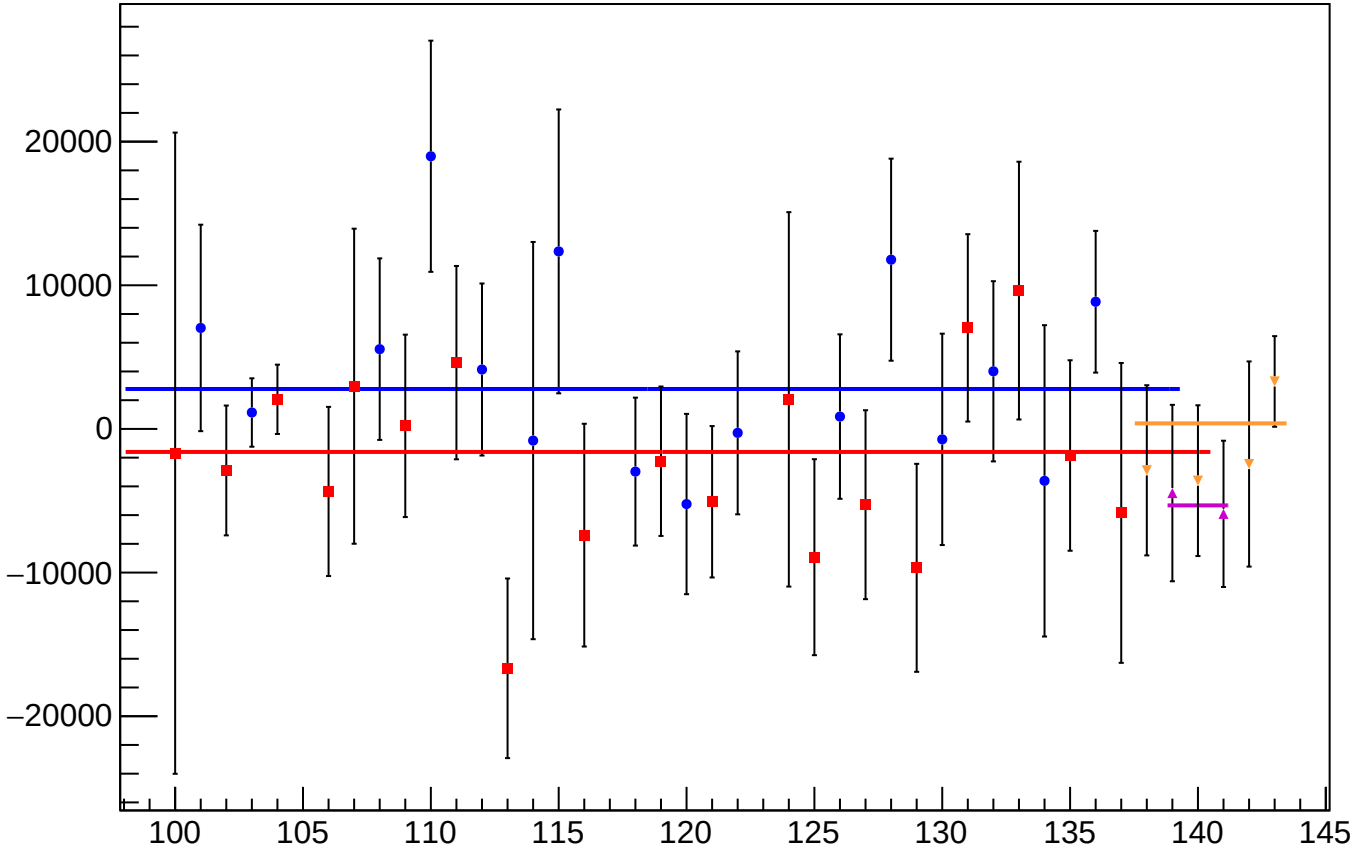
Left In: 5153.123+/-2.786 χ^2/NDF:17143.0/1

+ sign 3659.095+/-0.848 χ^2/NDF: 1362609.6/19

All: 3444.841+/-0.587 χ^2/NDF: 3851971.4/40

- sign 3247.851+/-0.813 χ^2/NDF: 2366879.0/20

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 385.851+/-2325.674 χ^2/NDF:1.9/3

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

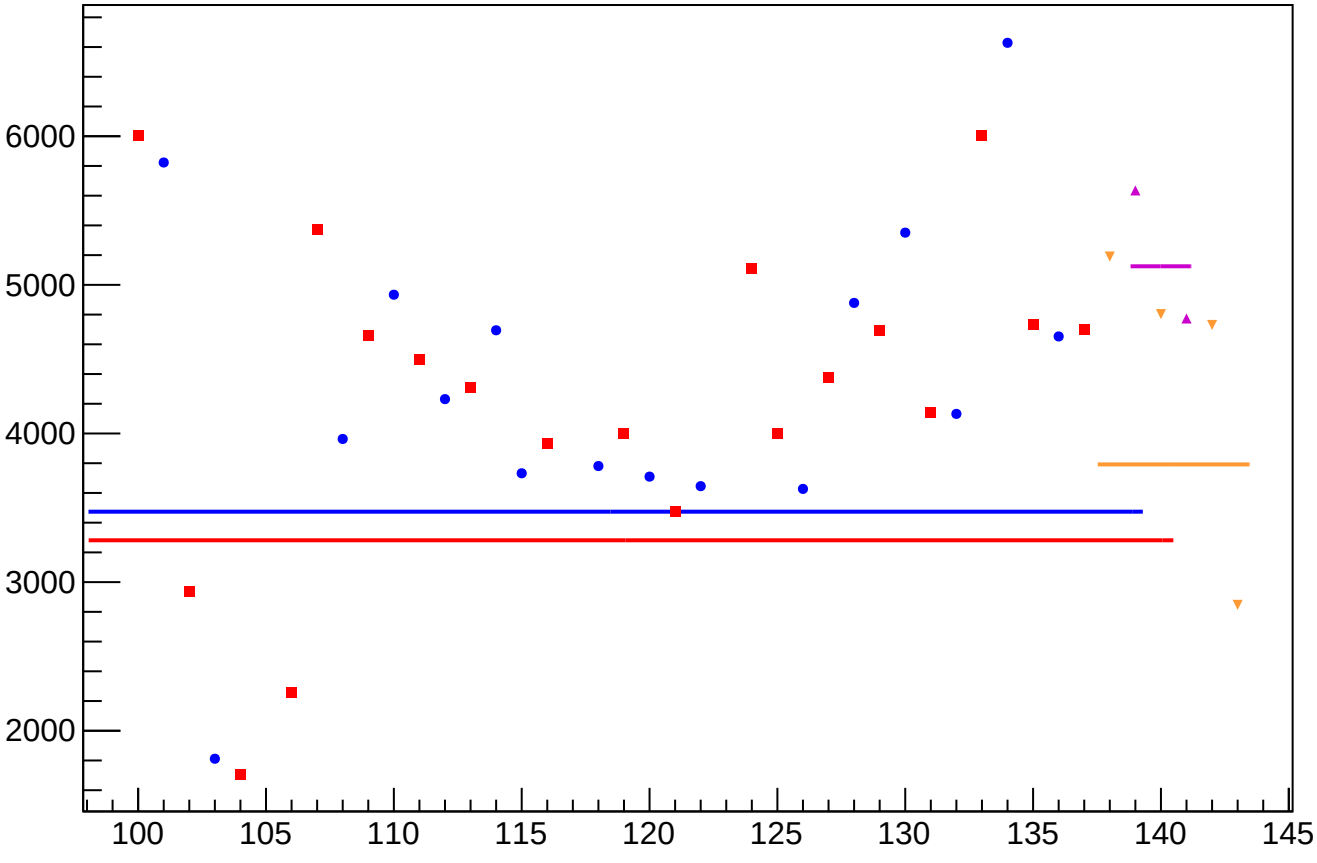
Left In: -5322.907+/-3920.039 χ^2/NDF:0.0/1

+ sign 2150.886+/-1192.782 χ^2/NDF: 15.9/19

All: 202.580+/-867.974 χ^2/NDF: 39.2/40

- sign -1990.309+/-1265.438 χ^2/NDF: 17.6/20

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3791.971+/-1.645 χ^2/NDF:399684.5/3

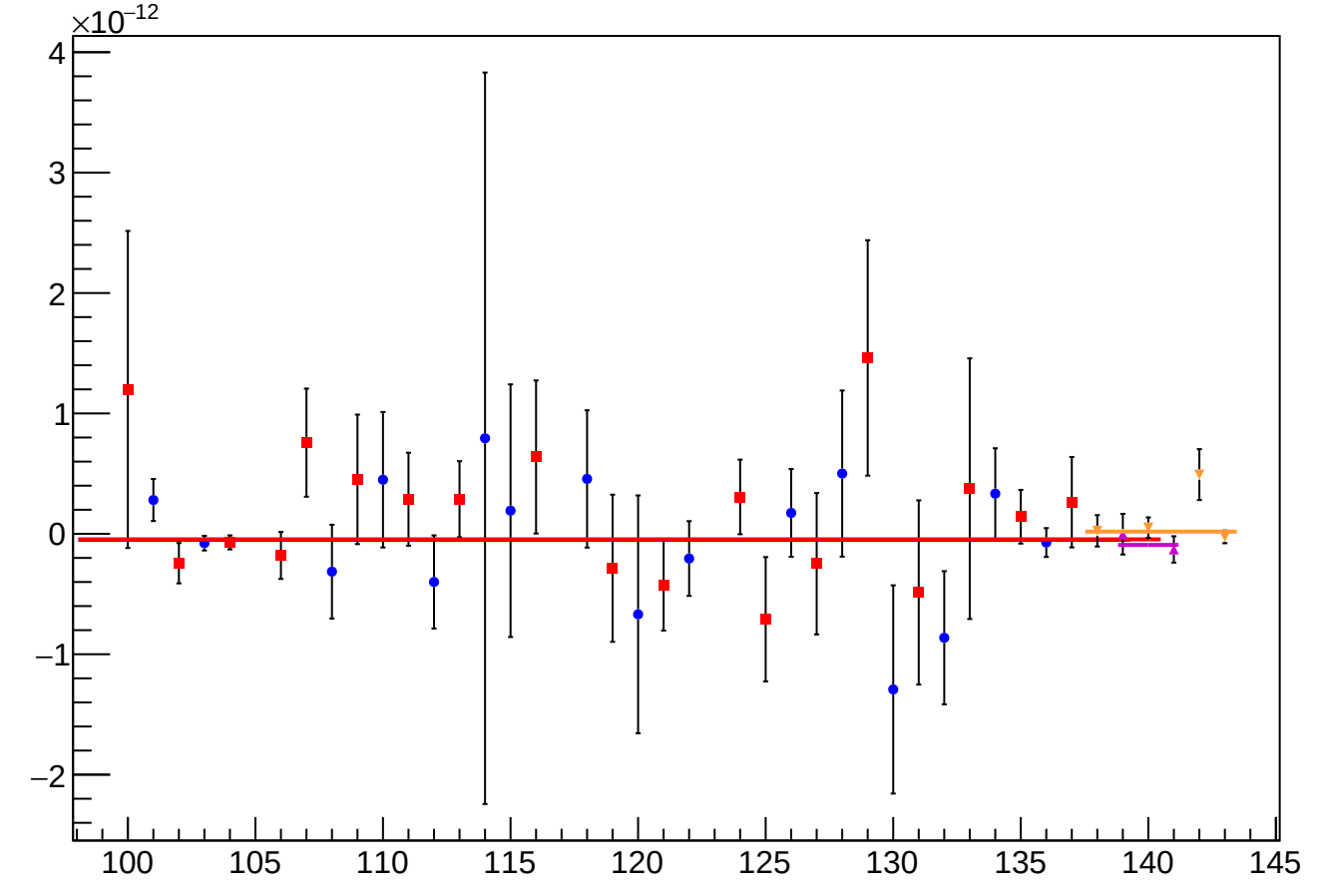
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5124.951+/-2.772 χ^2/NDF:23322.9/1

\+ sign 3557.563+/-0.843 χ^2/NDF: 2271218.3/19

All: 3515.303+/-0.610 χ^2/NDF: 4572640.8/40

\- sign 3468.898+/-0.884 χ^2/NDF: 2296155.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/3

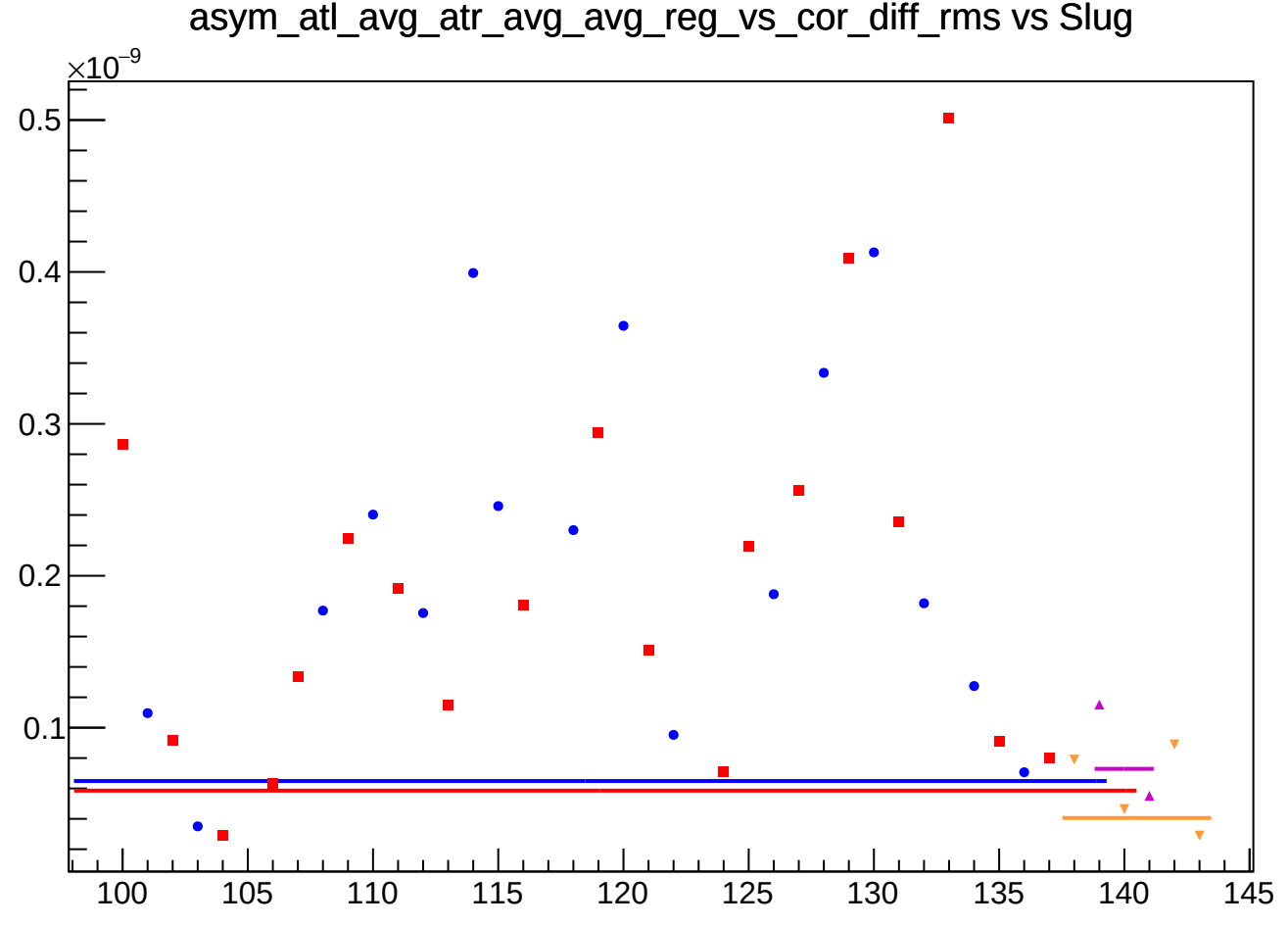
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.7/19

All: -0.000+/-0.000 χ^2/NDF: 40.6/40

- sign -0.000+/-0.000 χ^2/NDF: 19.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:384371.4/3

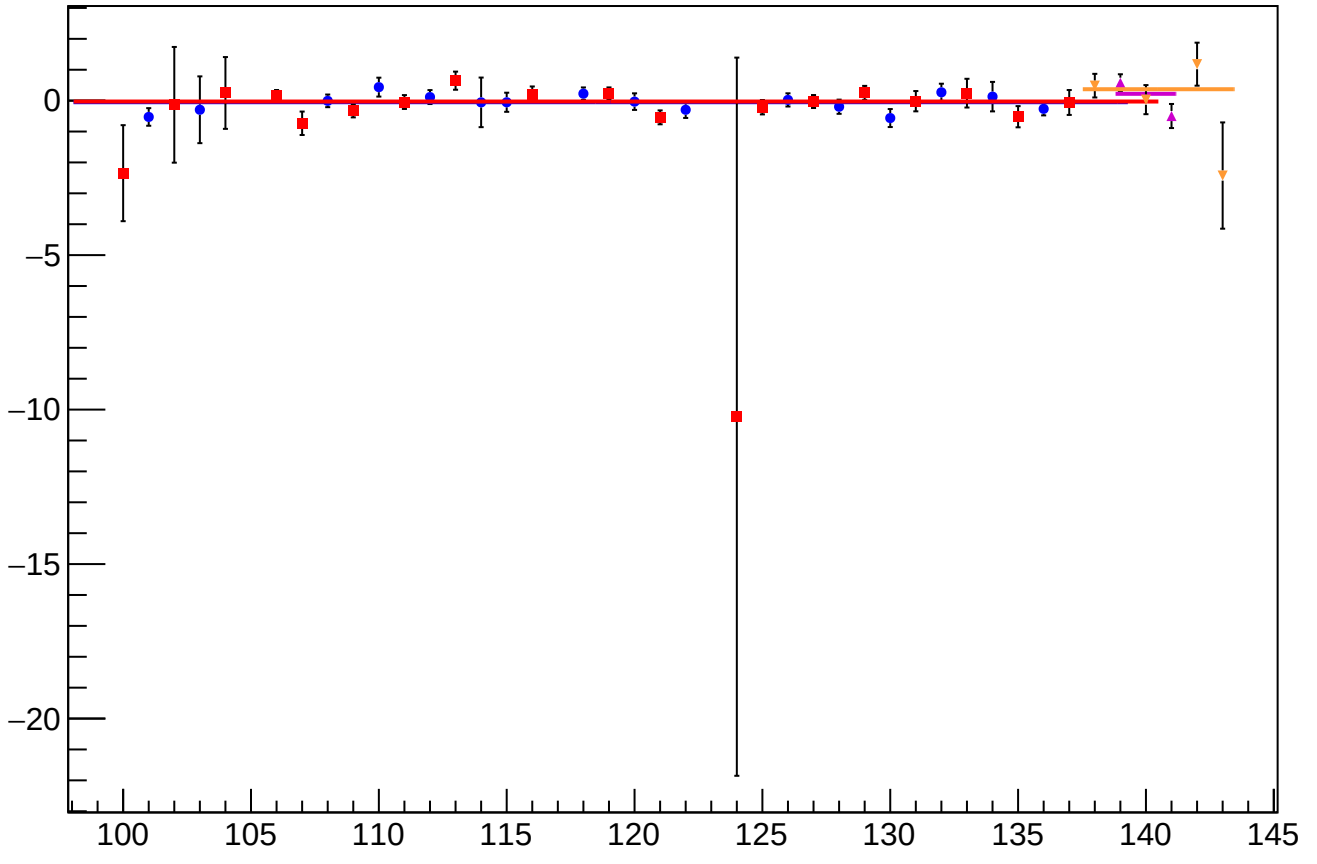
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:178274.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 3266479.1/19

All: 0.000+/-0.000 χ^2/NDF: 6420992.3/40

- sign 0.000+/-0.000 χ^2/NDF: 3071833.9/20



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.369+/-0.270 χ^2/NDF:4.6/3

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

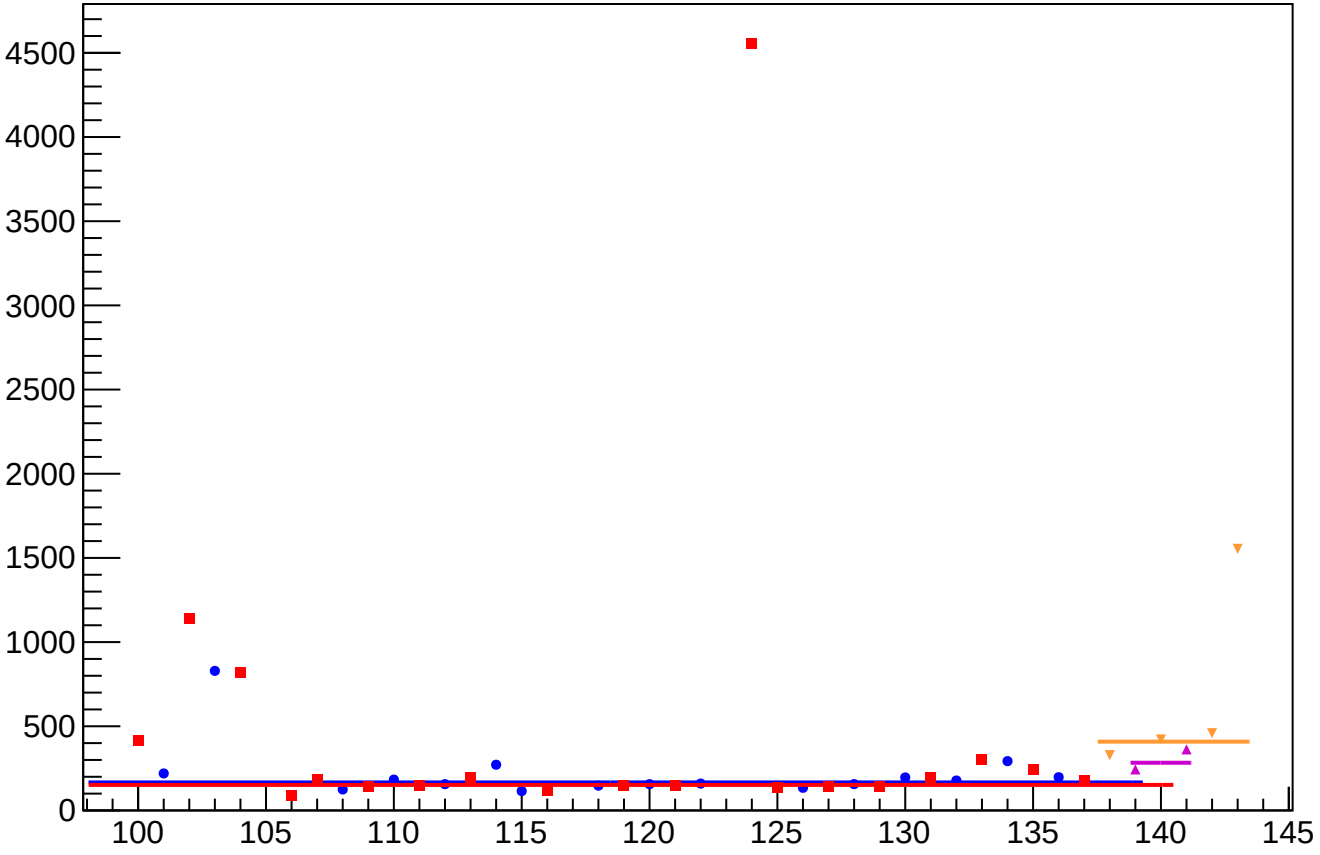
Left In: 0.221+/-0.225 χ^2/NDF:5.1/1

+ sign -0.027+/-0.065 χ^2/NDF: 21.8/19

All: -0.018+/-0.045 χ^2/NDF: 55.6/40

- sign -0.010+/-0.062 χ^2/NDF: 33.8/20

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: 408.703+/-0.191 χ^2/NDF:986626.5/3

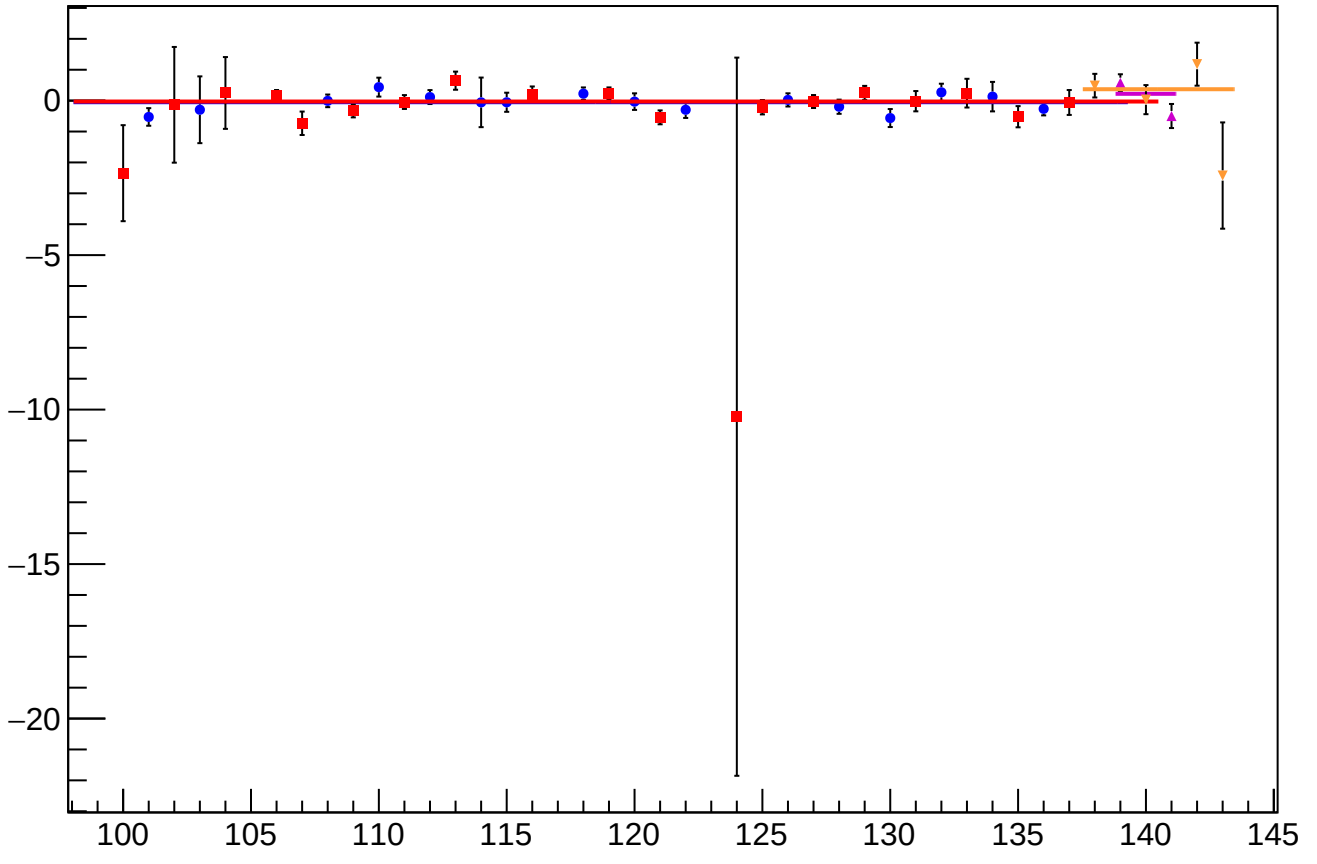
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 283.374+/-0.159 χ^2/NDF:124396.6/1

+ sign 180.346+/-0.046 χ^2/NDF: 3791782.5/19

All: 170.532+/-0.032 χ^2/NDF: 6953048.8/40

- sign 161.663+/-0.044 χ^2/NDF: 3073861.8/20



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.369+/-0.270 χ^2/NDF:4.6/3

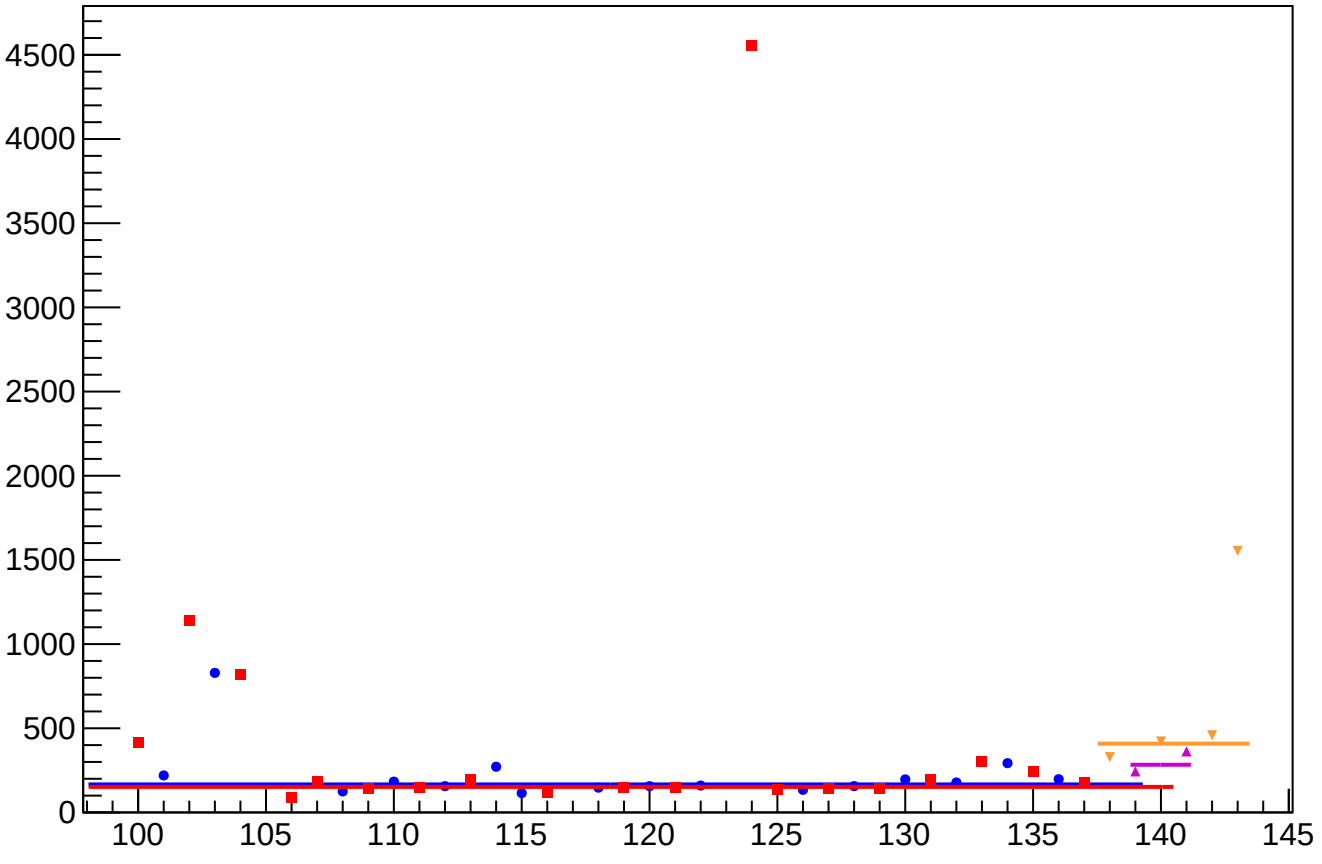
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.221+/-0.225 χ^2/NDF:5.1/1

+ sign -0.027+/-0.065 χ^2/NDF: 21.8/19

All: -0.018+/-0.045 χ^2/NDF: 55.6/40

- sign -0.010+/-0.062 χ^2/NDF: 33.8/20



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 408.703+/-0.191 χ^2/NDF:986626.5/3

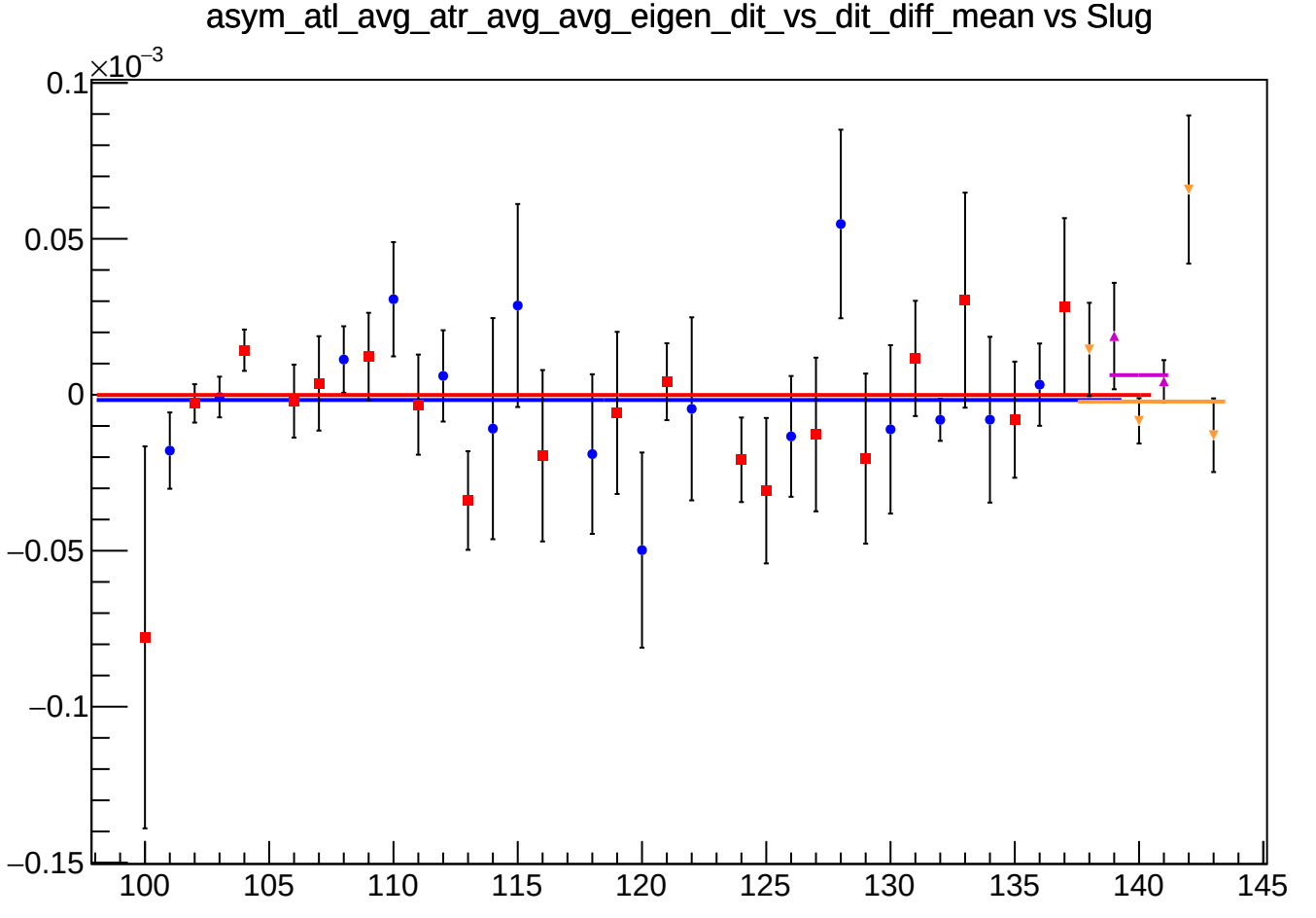
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 283.374+/-0.159 χ^2/NDF:124396.6/1

+ sign 180.346+/-0.046 χ^2/NDF: 3791782.5/19

All: 170.532+/-0.032 χ^2/NDF: 6953048.8/40

- sign 161.663+/-0.044 χ^2/NDF: 3073861.8/20



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/3

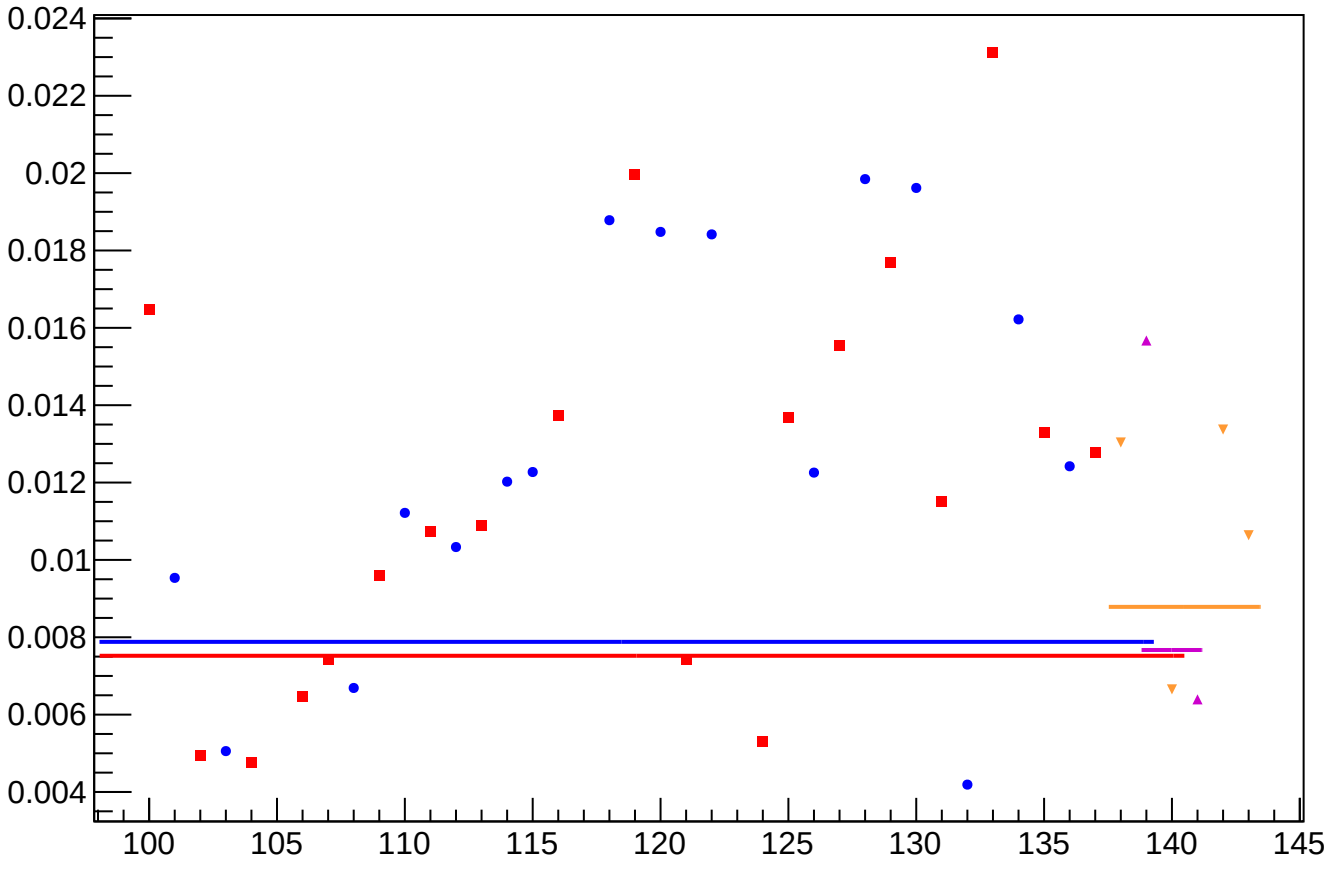
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/1

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/19

All: -0.000+/-0.000 χ^2/NDF: 48.4/40

- sign 0.000+/-0.000 χ^2/NDF: 21.3/20



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:457137.6/3

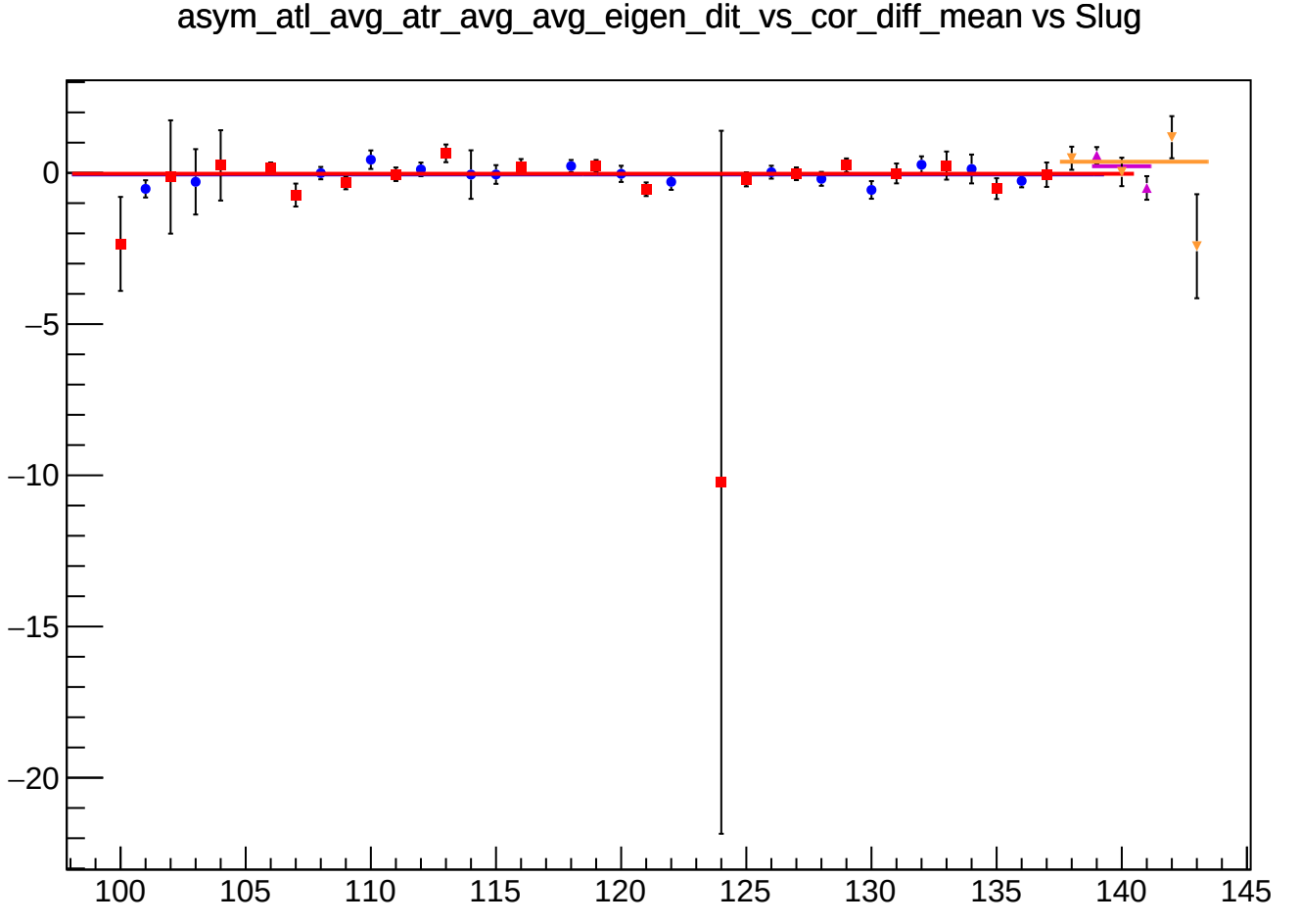
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.008+/-0.000 χ^2/NDF:510064.9/1

+ sign 0.008+/-0.000 χ^2/NDF: 3797370.3/19

All: 0.008+/-0.000 χ^2/NDF: 7324417.0/40

- sign 0.008+/-0.000 χ^2/NDF: 3486292.7/20



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.369+/-0.270 χ^2/NDF:4.6/3

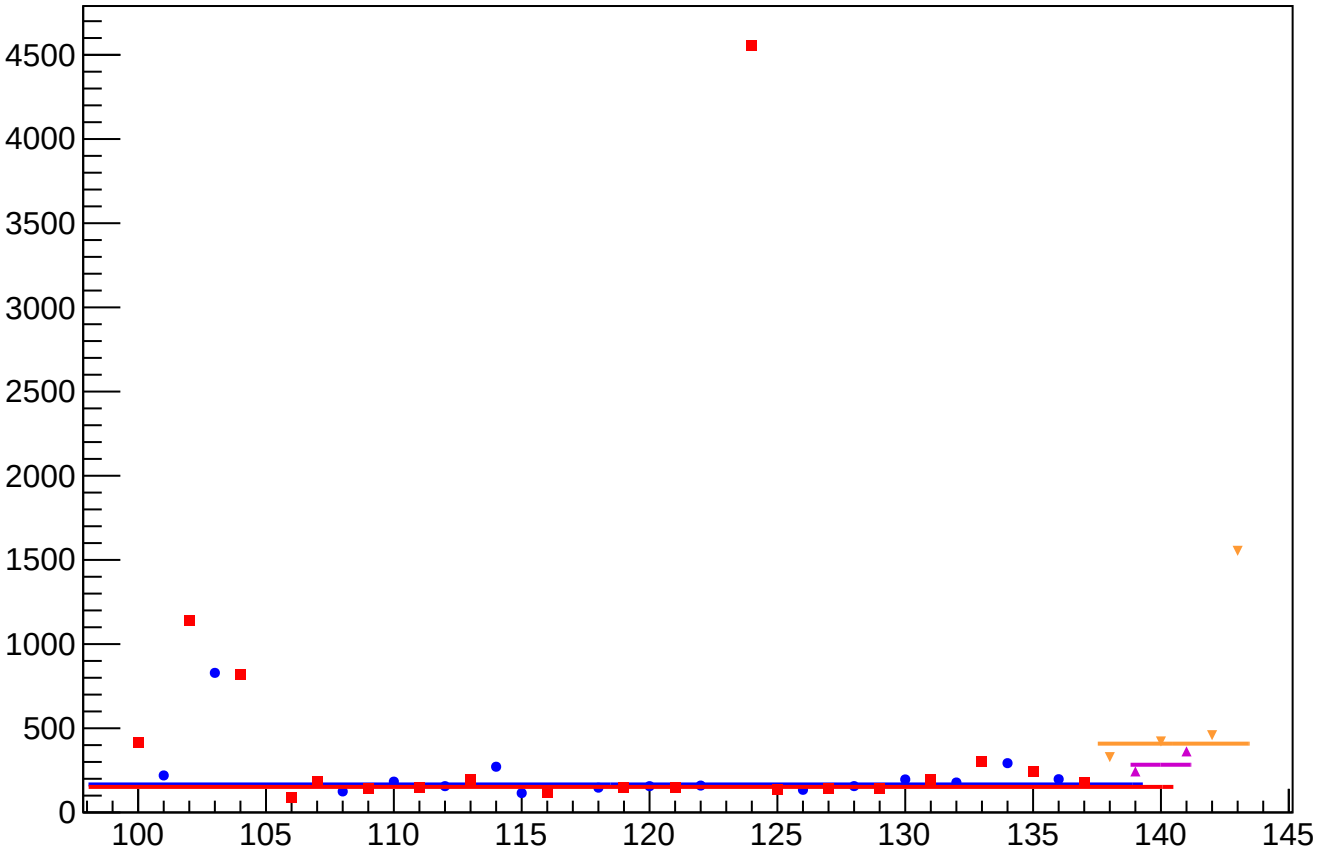
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.221+/-0.225 χ^2/NDF:5.1/1

+ sign -0.027+/-0.065 χ^2/NDF: 21.8/19

All: -0.018+/-0.045 χ^2/NDF: 55.6/40

- sign -0.010+/-0.062 χ^2/NDF: 33.8/20



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 408.707+/-0.191 χ^2/NDF:986621.2/3

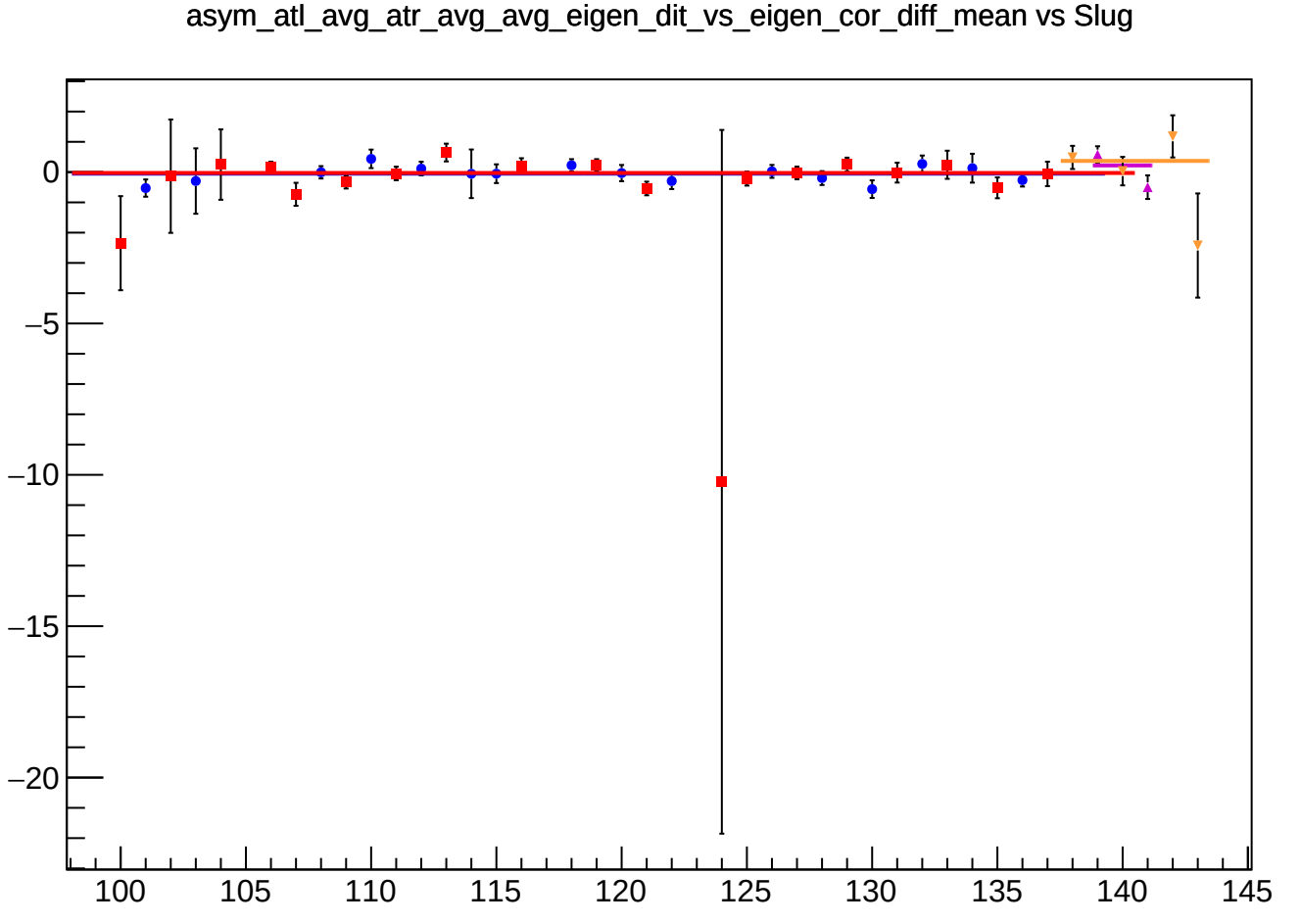
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 283.379+/-0.159 χ^2/NDF:124385.5/1

+ sign 180.345+/-0.046 χ^2/NDF: 3791806.5/19

All: 170.531+/-0.032 χ^2/NDF: 6953114.5/40

- sign 161.662+/-0.044 χ^2/NDF: 3073898.4/20



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.369+/-0.270 χ^2/NDF:4.6/3

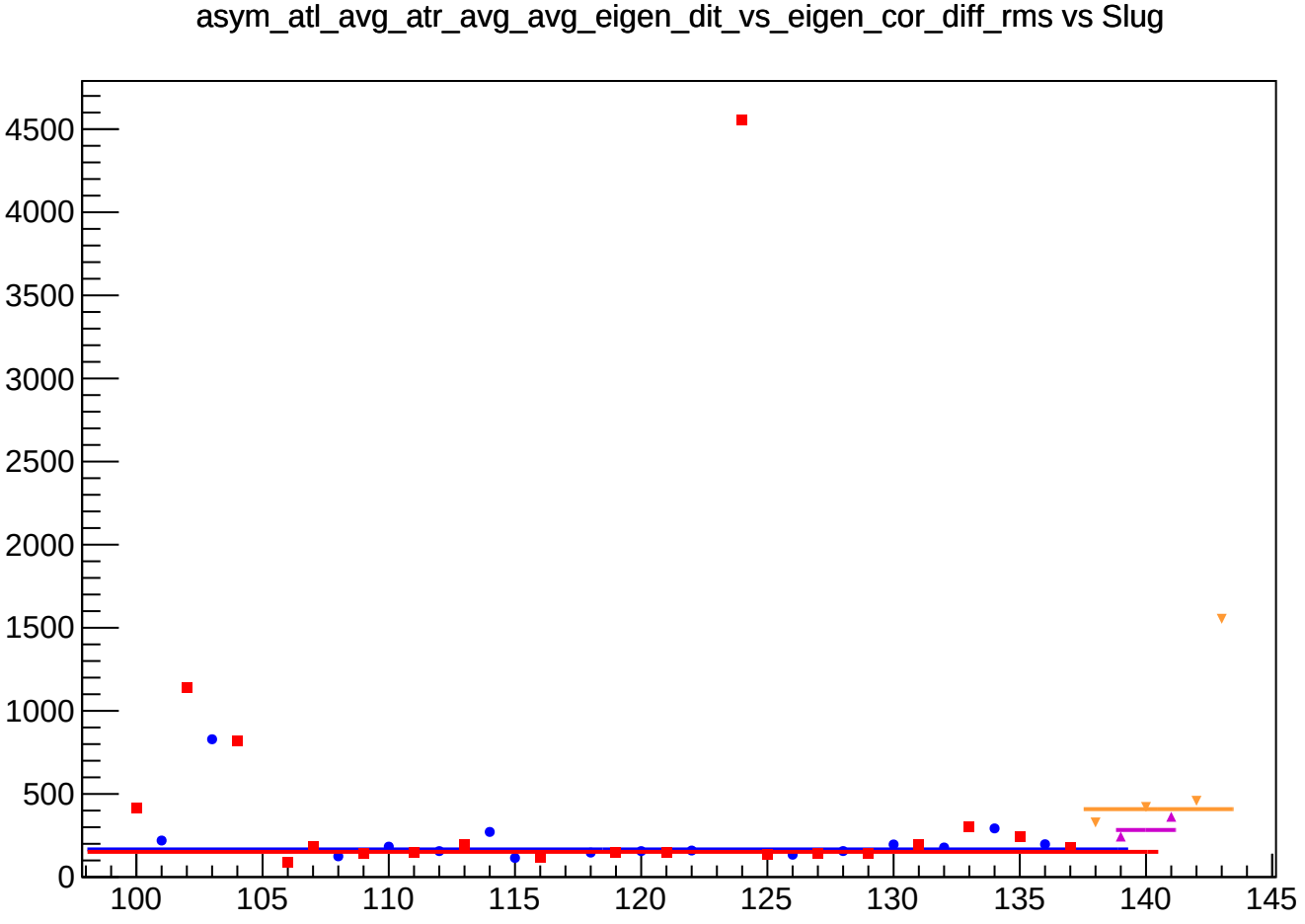
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.221+/-0.225 χ^2/NDF:5.1/1

+ sign -0.027+/-0.065 χ^2/NDF: 21.8/19

All: -0.018+/-0.045 χ^2/NDF: 55.6/40

- sign -0.010+/-0.062 χ^2/NDF: 33.8/20



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 408.707+/-0.191 χ^2/NDF:986621.2/3

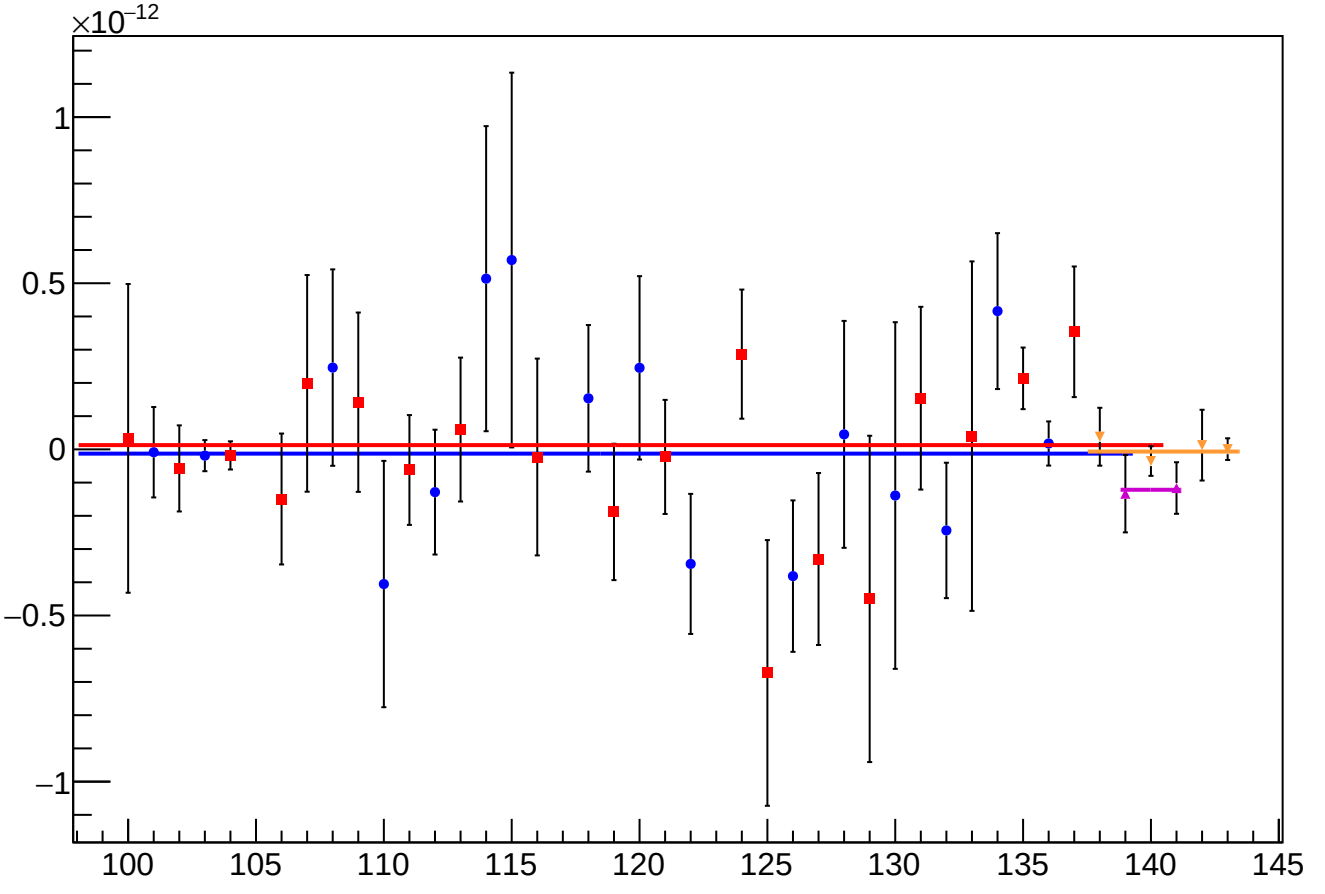
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 283.379+/-0.159 χ^2/NDF:124385.5/1

+ sign 180.345+/-0.046 χ^2/NDF: 3791806.5/19

All: 170.531+/-0.032 χ^2/NDF: 6953114.5/40

- sign 161.662+/-0.044 χ^2/NDF: 3073898.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/3

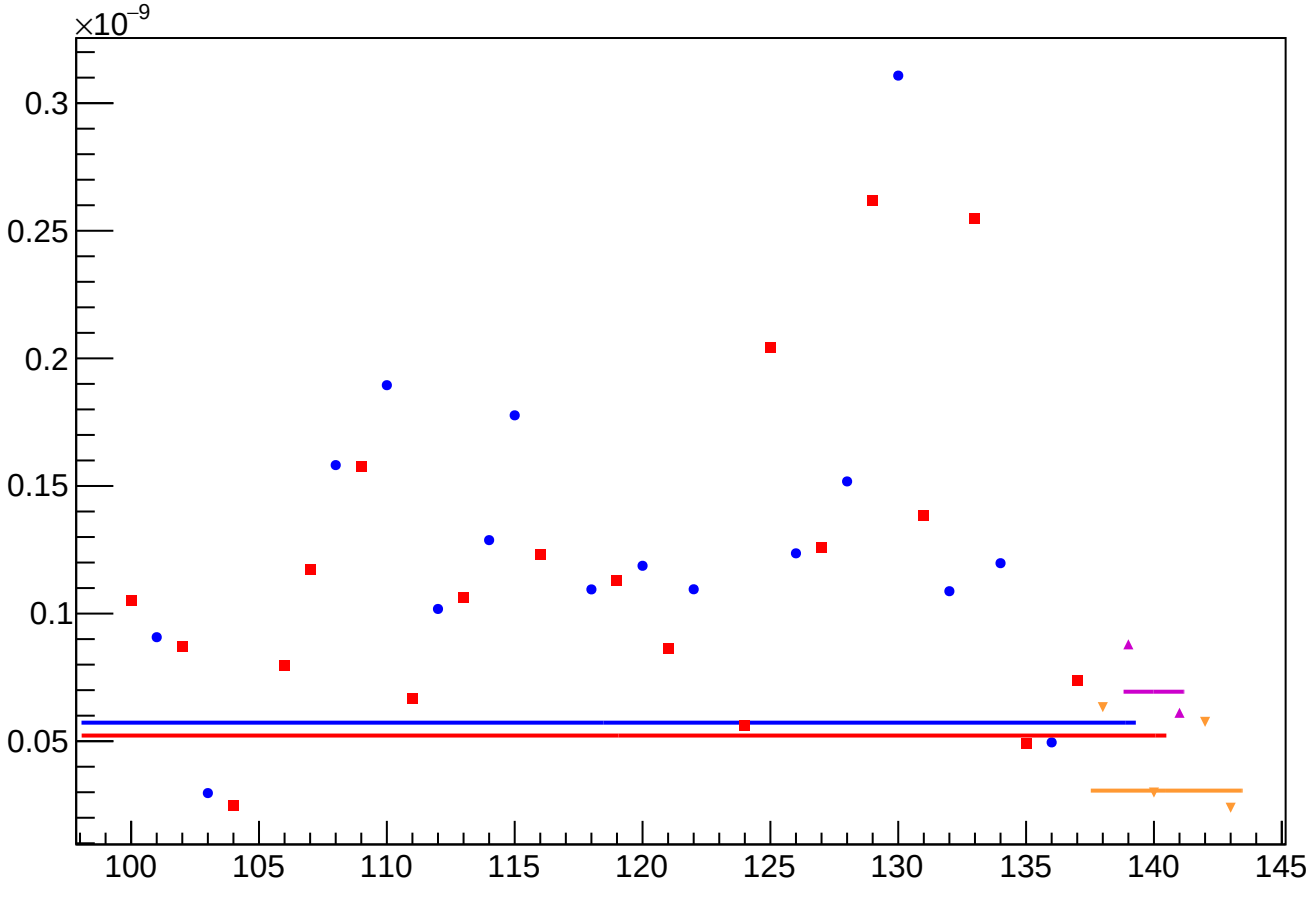
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 16.9/19

All: -0.000+/-0.000 χ^2/NDF: 39.3/40

- sign -0.000+/-0.000 χ^2/NDF: 22.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:494918.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

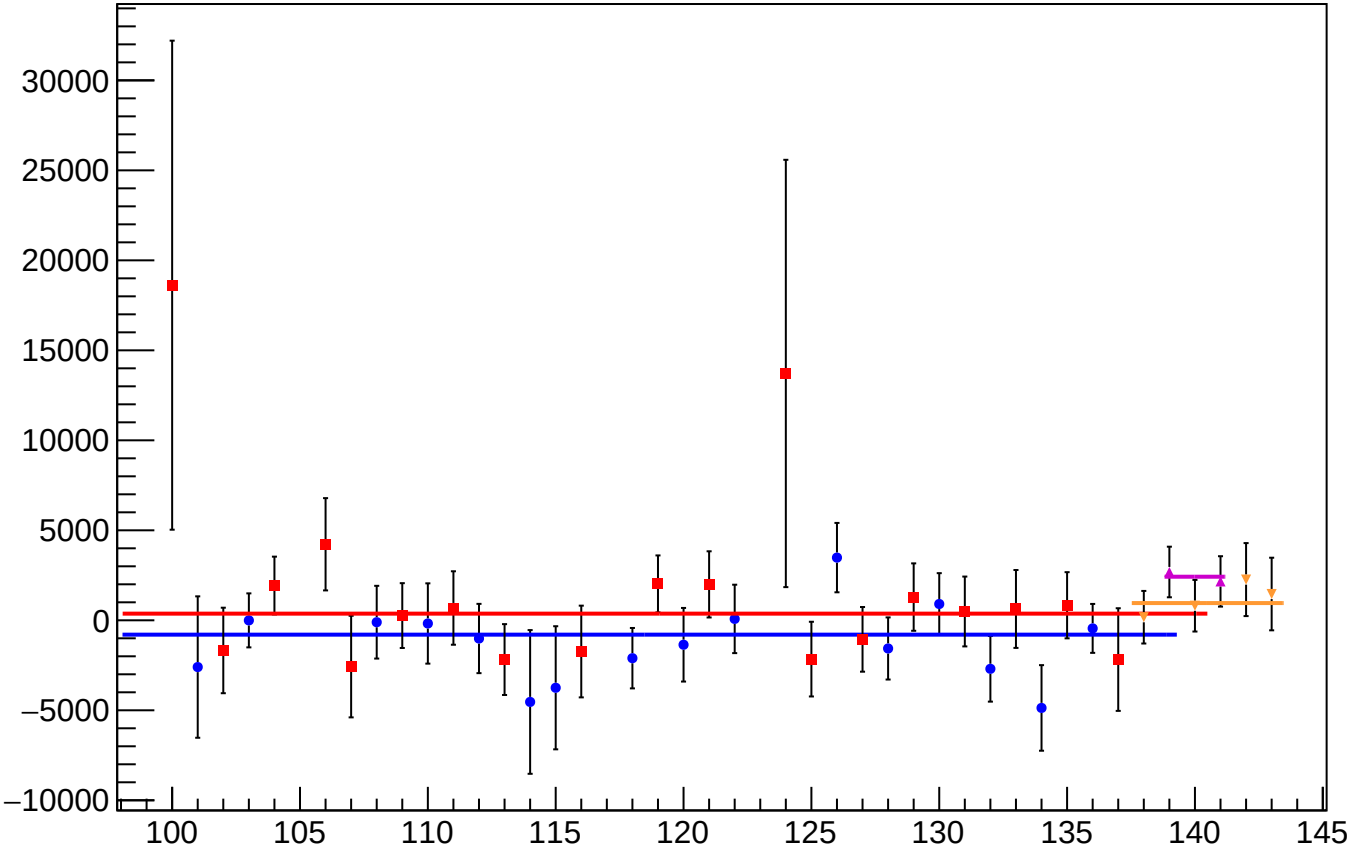
Left In: 0.000+/-0.000 χ^2/NDF:73537.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 4319394.2/19

All: 0.000+/-0.000 χ^2/NDF: 8193258.1/40

- sign 0.000+/-0.000 χ^2/NDF: 3475715.3/20

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 957.746+/-832.092 χ^2/NDF:0.8/3

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

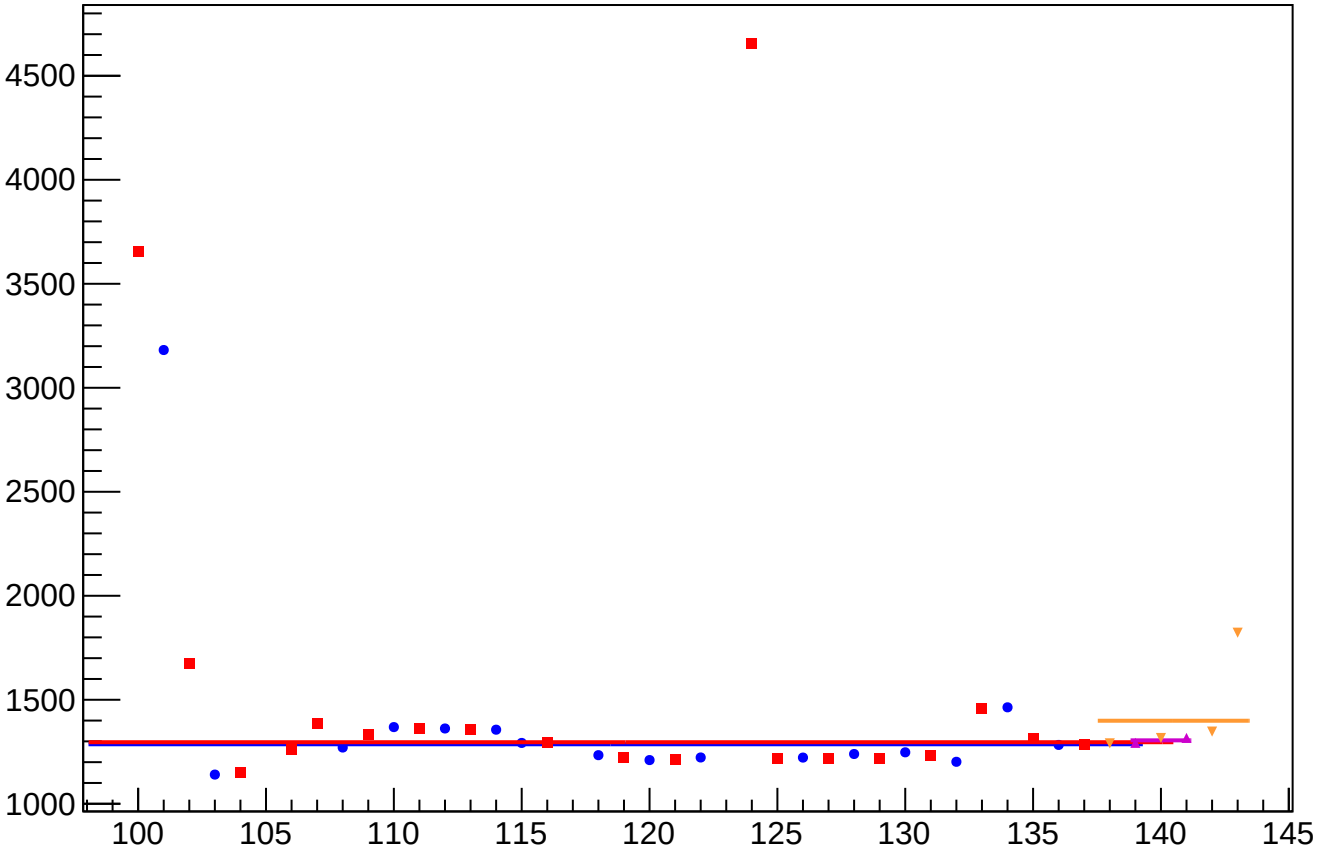
Left In: 2421.580+/-991.779 χ^2/NDF:0.1/1

+ sign -348.877+/-420.597 χ^2/NDF: 17.5/19

All: 188.644+/-302.803 χ^2/NDF: 40.0/40

- sign 767.029+/-436.292 χ^2/NDF: 19.1/20

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

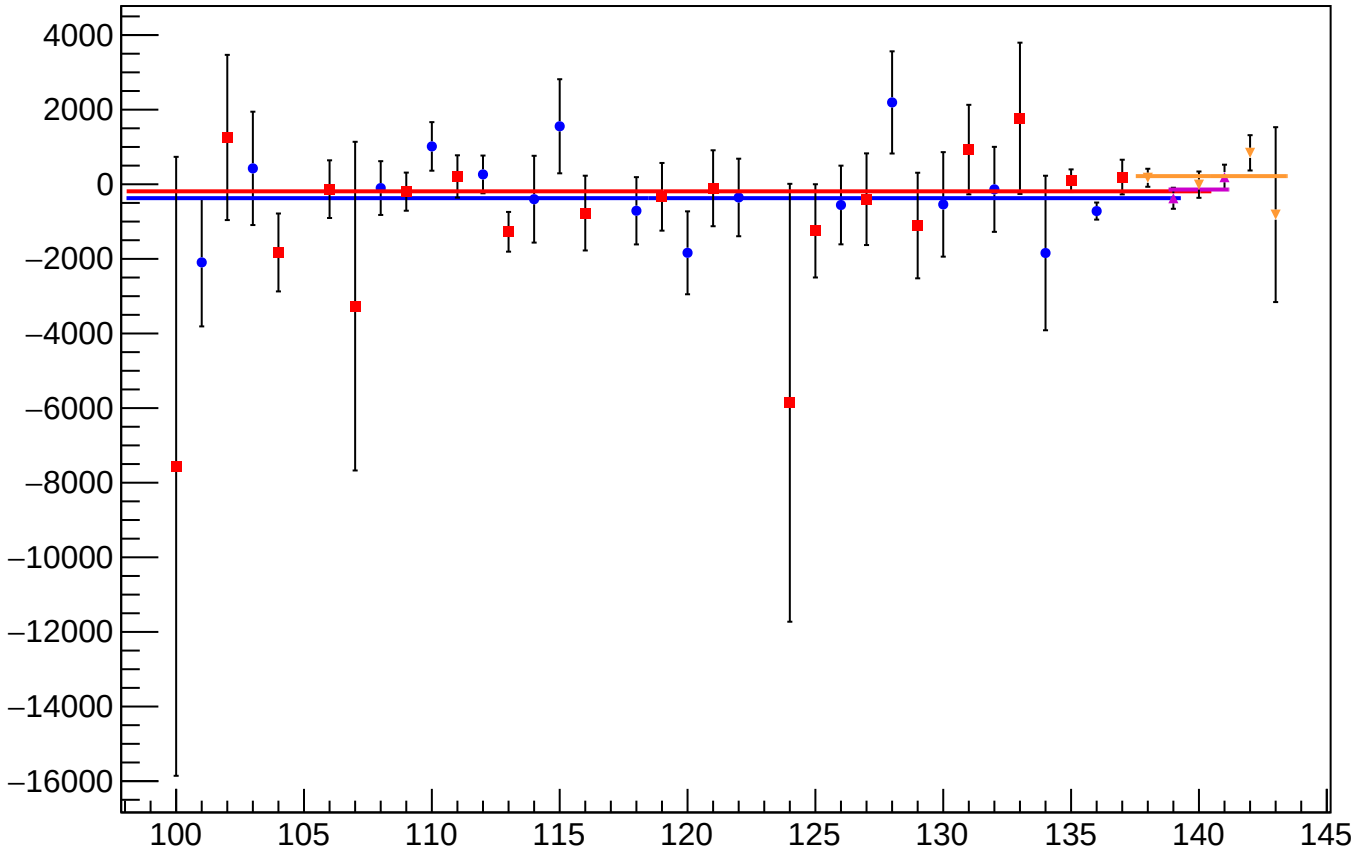
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

+ sign 1314.991+/-0.297 χ^2/NDF: 652793.3/19

All: 1306.652+/-0.214 χ^2/NDF: 982915.9/40

- sign 1297.679+/-0.309 χ^2/NDF: 328490.4/20



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 218.459+/-183.130 χ^2/NDF:2.4/3

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

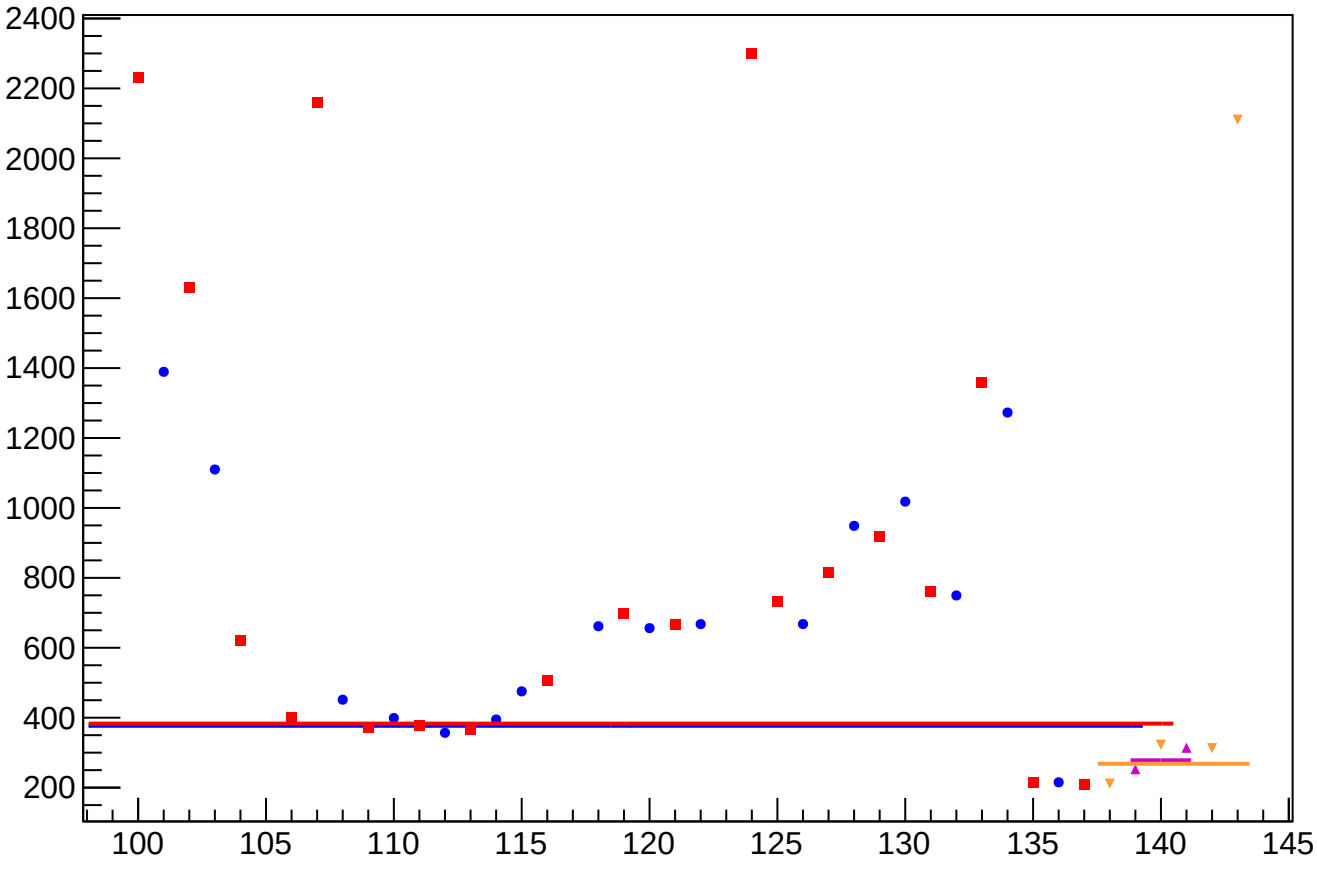
Left In: -140.955+/-215.928 χ^2/NDF:1.7/1

+ sign -101.987+/-123.879 χ^2/NDF: 26.2/19

All: -133.784+/-90.764 χ^2/NDF: 42.7/40

- sign -170.638+/-133.365 χ^2/NDF: 16.3/20

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: 268.199+/-0.129 χ^2/NDF:1411017.9/3

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

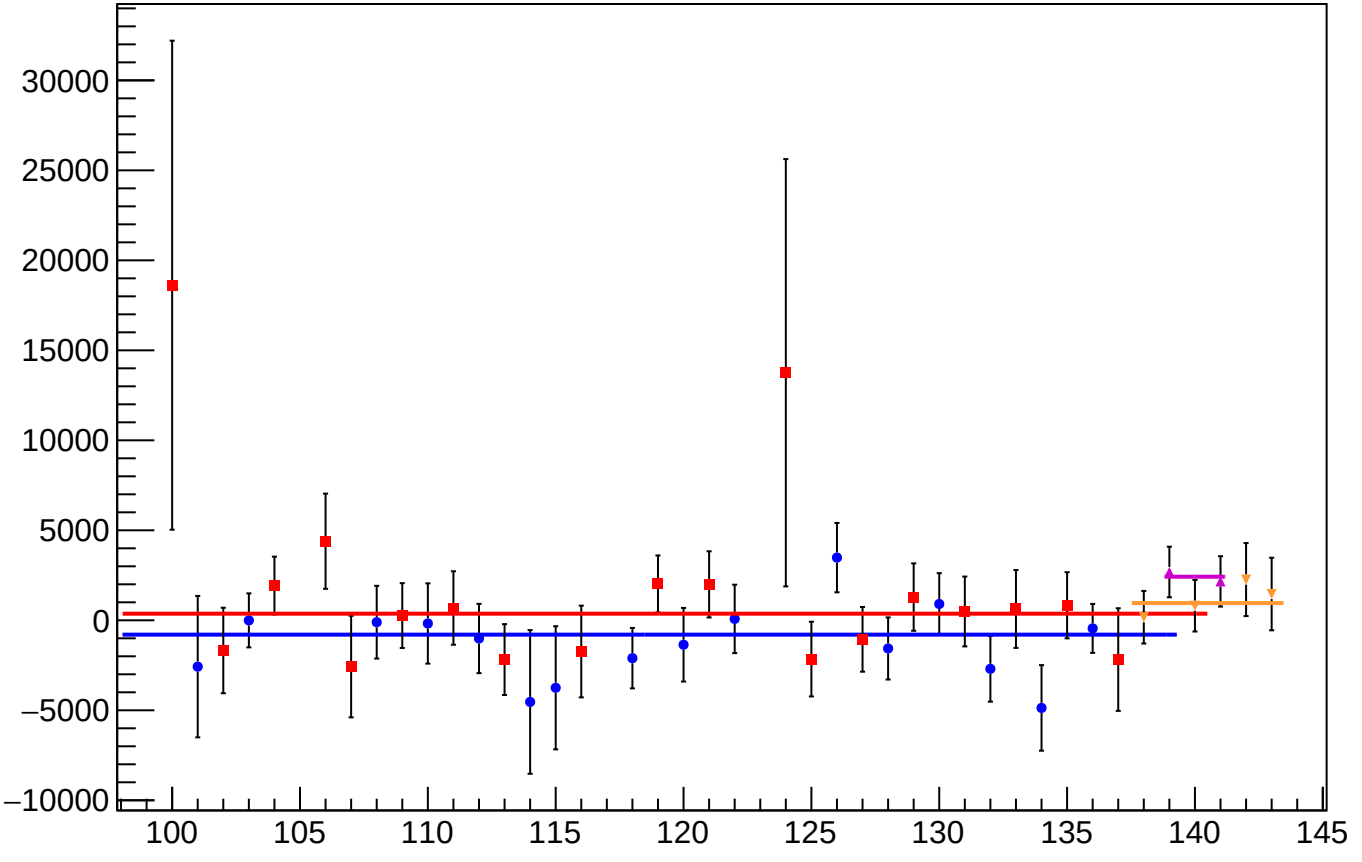
Left In: 278.092+/-0.153 χ^2/NDF:39183.4/1

+ sign 327.155+/-0.088 χ^2/NDF: 5983371.9/19

All: 334.506+/-0.064 χ^2/NDF: 10384296.5/40

- sign 343.026+/-0.094 χ^2/NDF: 4385720.2/20

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 957.880+/-832.092 χ^2/NDF:0.8/3

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

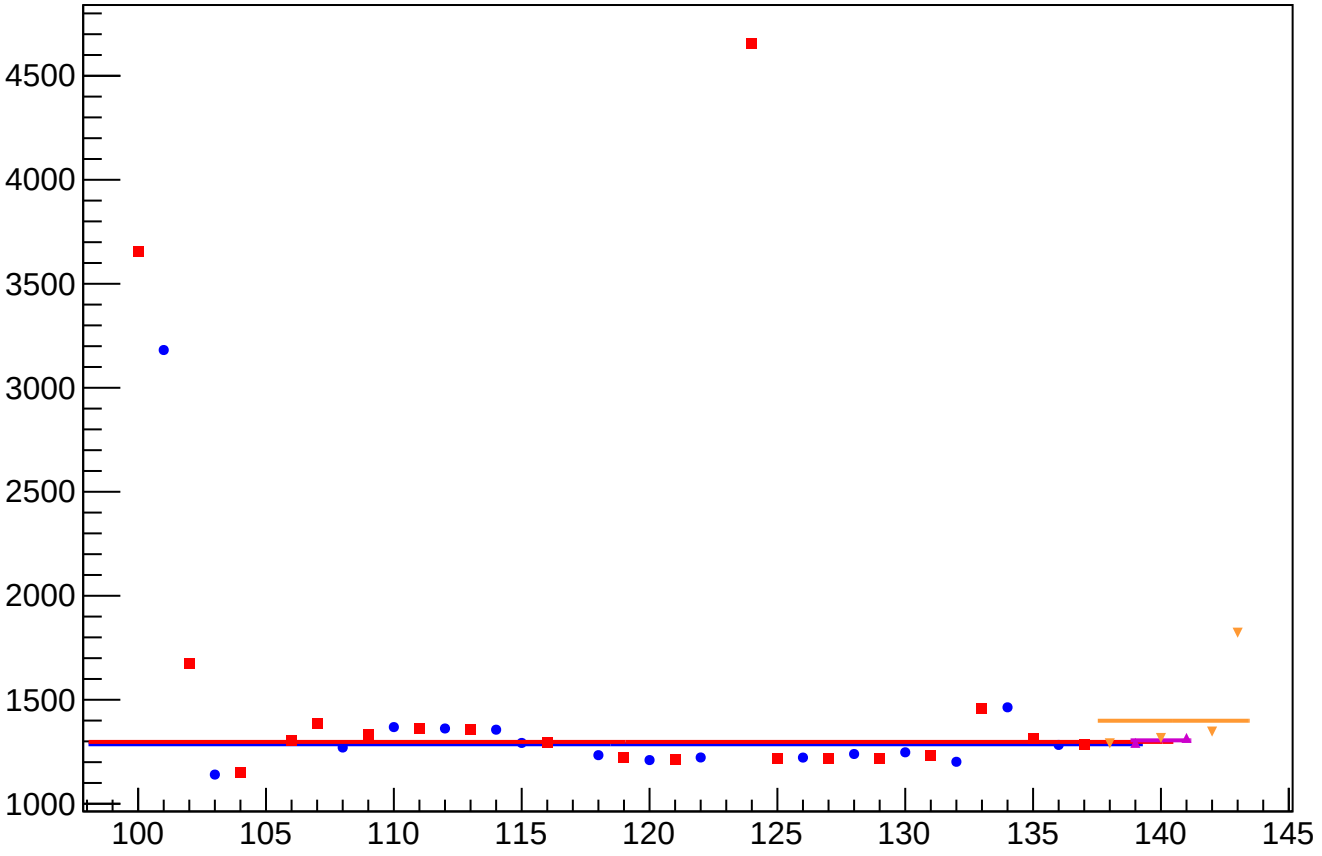
Left In: 2421.688+/-991.779 χ^2/NDF:0.1/1

+ sign -348.543+/-420.597 χ^2/NDF: 17.5/19

All: 187.692+/-302.930 χ^2/NDF: 40.1/40

- sign 765.697+/-436.671 χ^2/NDF: 19.2/20

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

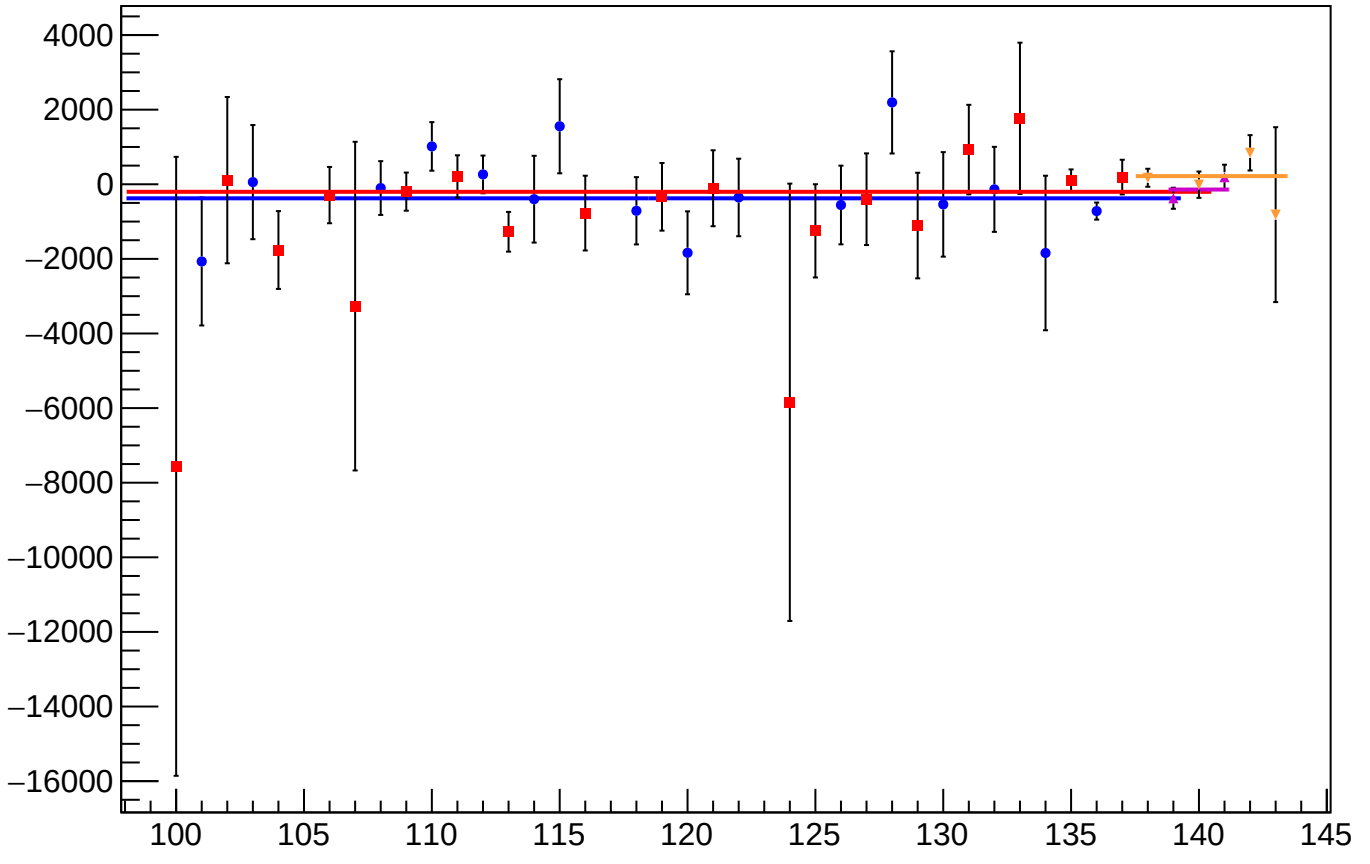
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

+ sign 1314.991+/-0.297 χ^2/NDF: 652794.9/19

All: 1307.224+/-0.214 χ^2/NDF: 982334.9/40

- sign 1298.852+/-0.309 χ^2/NDF: 328122.9/20



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 218.559+/-183.137 χ^2/NDF:2.4/3

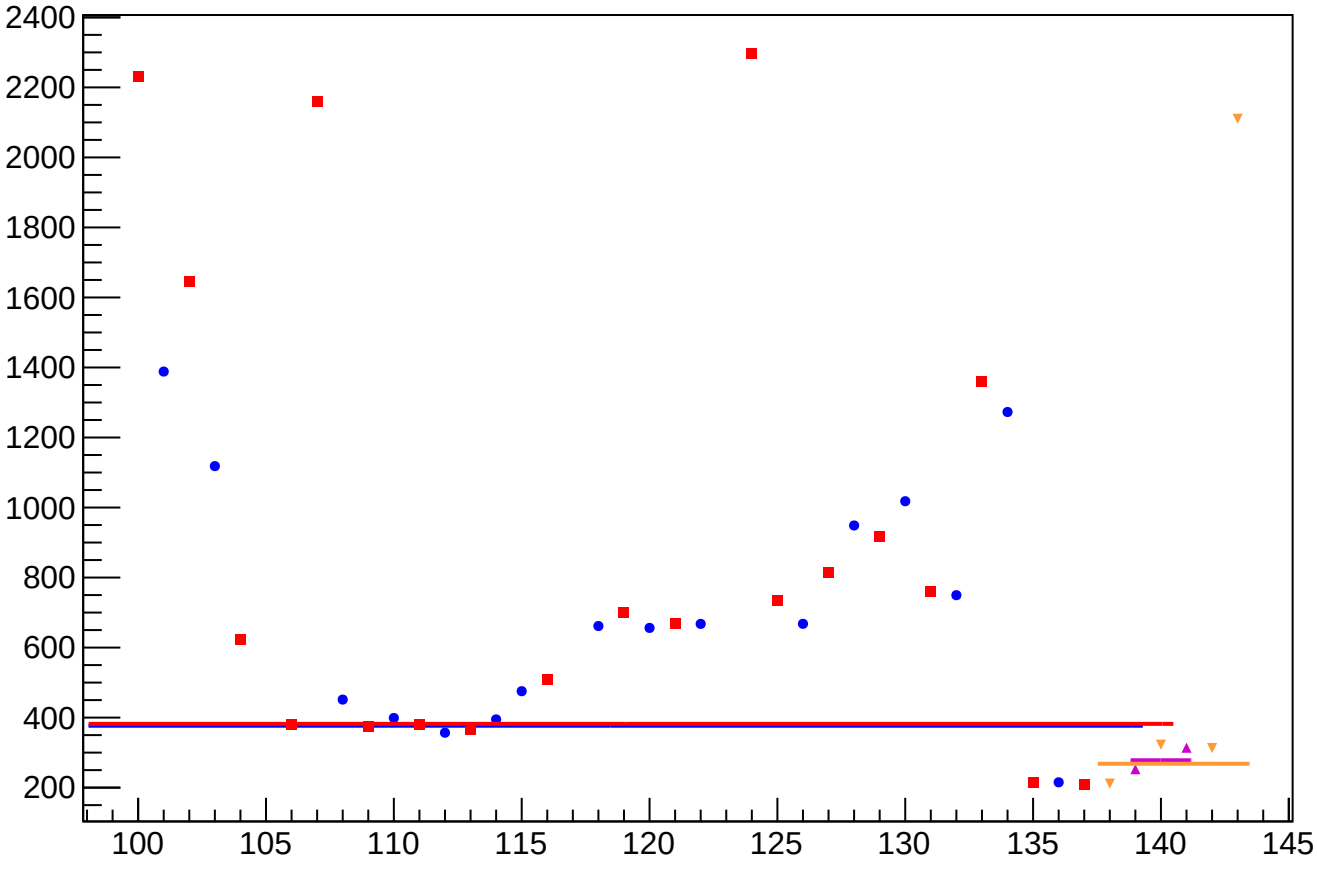
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -141.120+/-215.928 χ^2/NDF:1.7/1

+ sign -104.330+/-123.889 χ^2/NDF: 26.1/19

All: -138.898+/-90.738 χ^2/NDF: 42.0/40

- sign -178.898+/-133.269 χ^2/NDF: 15.8/20



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 268.212+/-0.129 χ^2/NDF:1411039.4/3

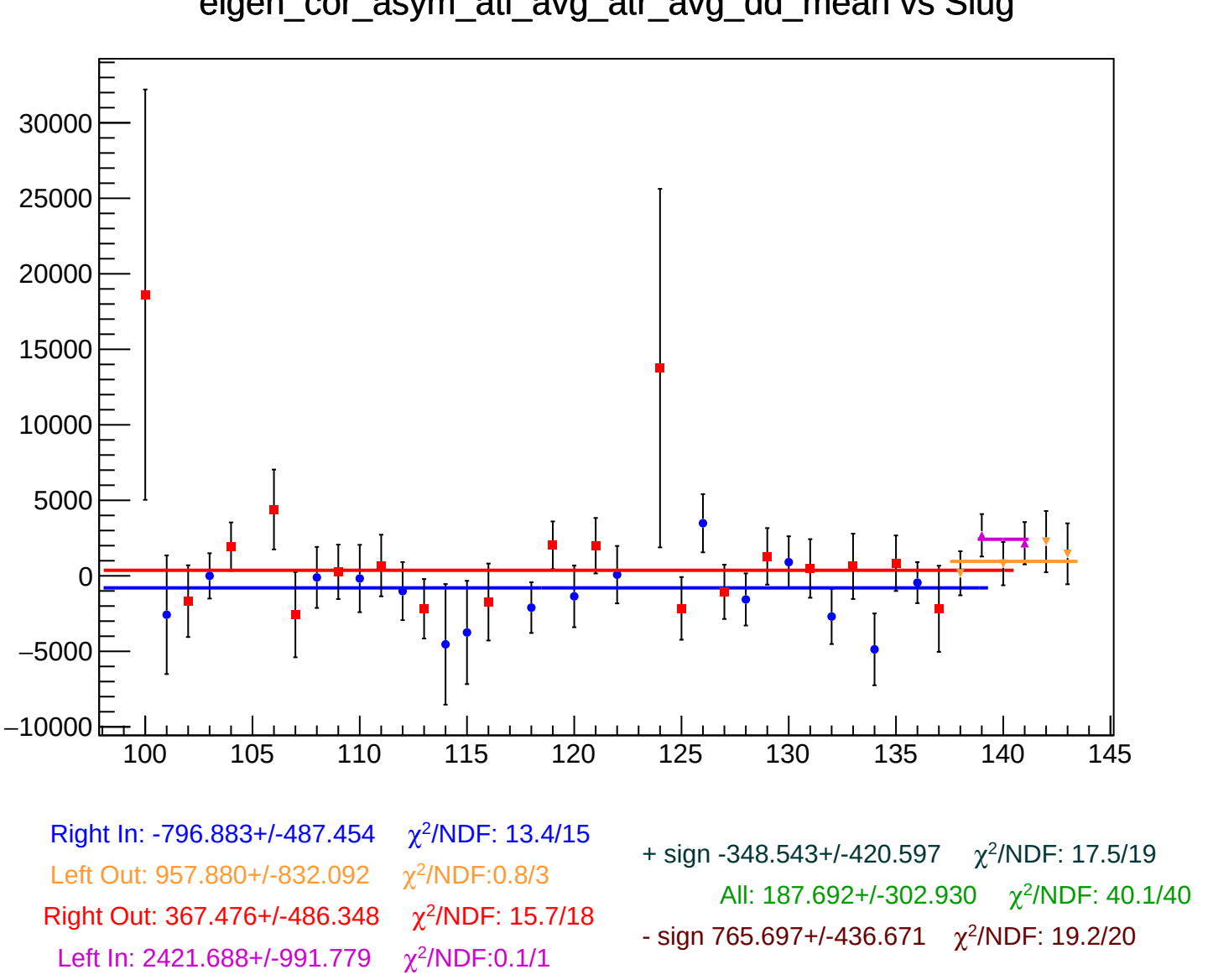
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

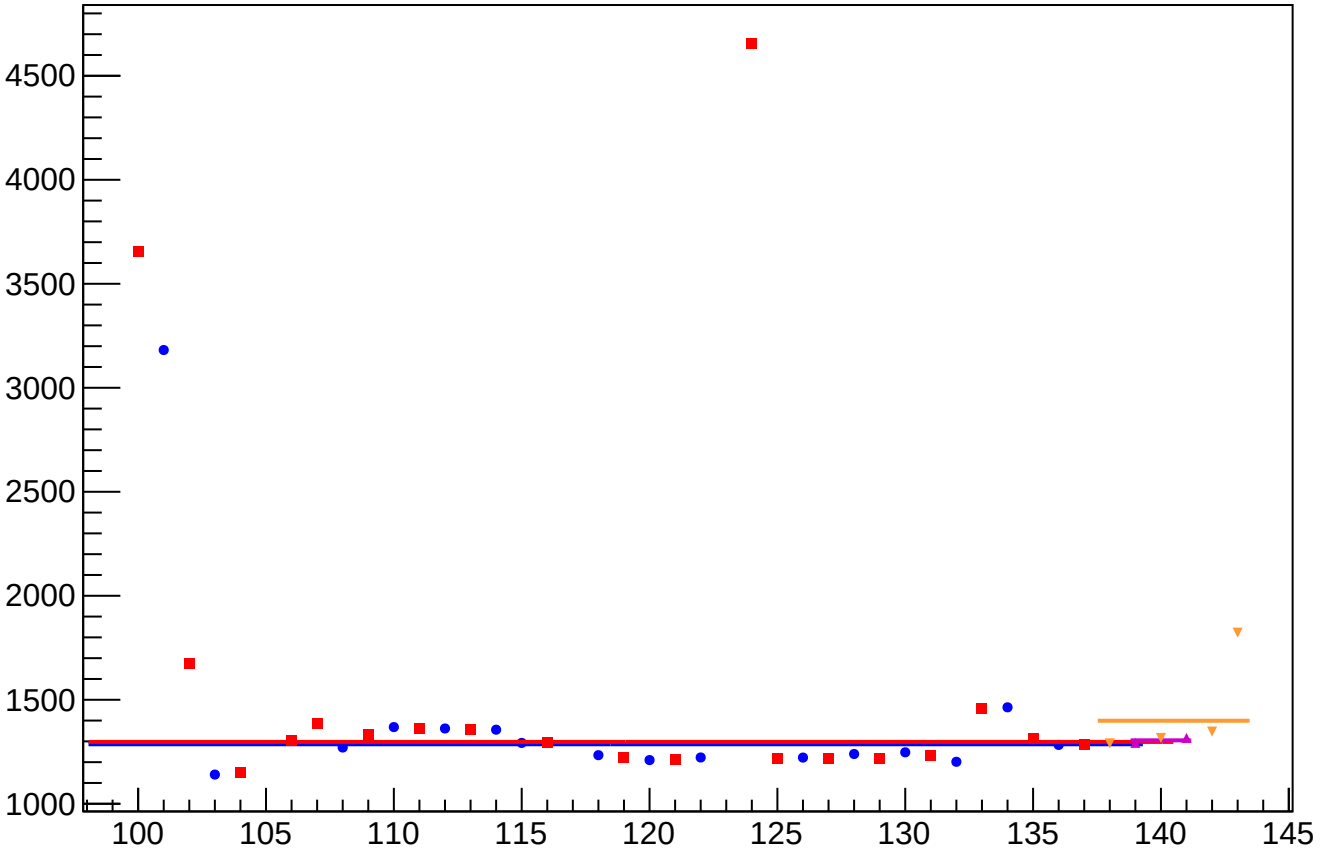
+ sign 327.152+/-0.088 χ^2/NDF: 5986321.0/19

All: 334.269+/-0.064 χ^2/NDF: 10386795.8/40

- sign 342.503+/-0.094 χ^2/NDF: 4386239.7/20


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 957.880+/-832.092 χ²/NDF:0.8/3
Right Out: 367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 2421.688+/-991.779 χ²/NDF:0.1/1
+ sign -348.543+/-420.597 χ²/NDF: 17.5/19
All: 187.692+/-302.930 χ²/NDF: 40.1/40
- sign 765.697+/-436.671 χ²/NDF: 19.2/20

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: 1399.187+/-0.588 χ^2/NDF:107162.3/3

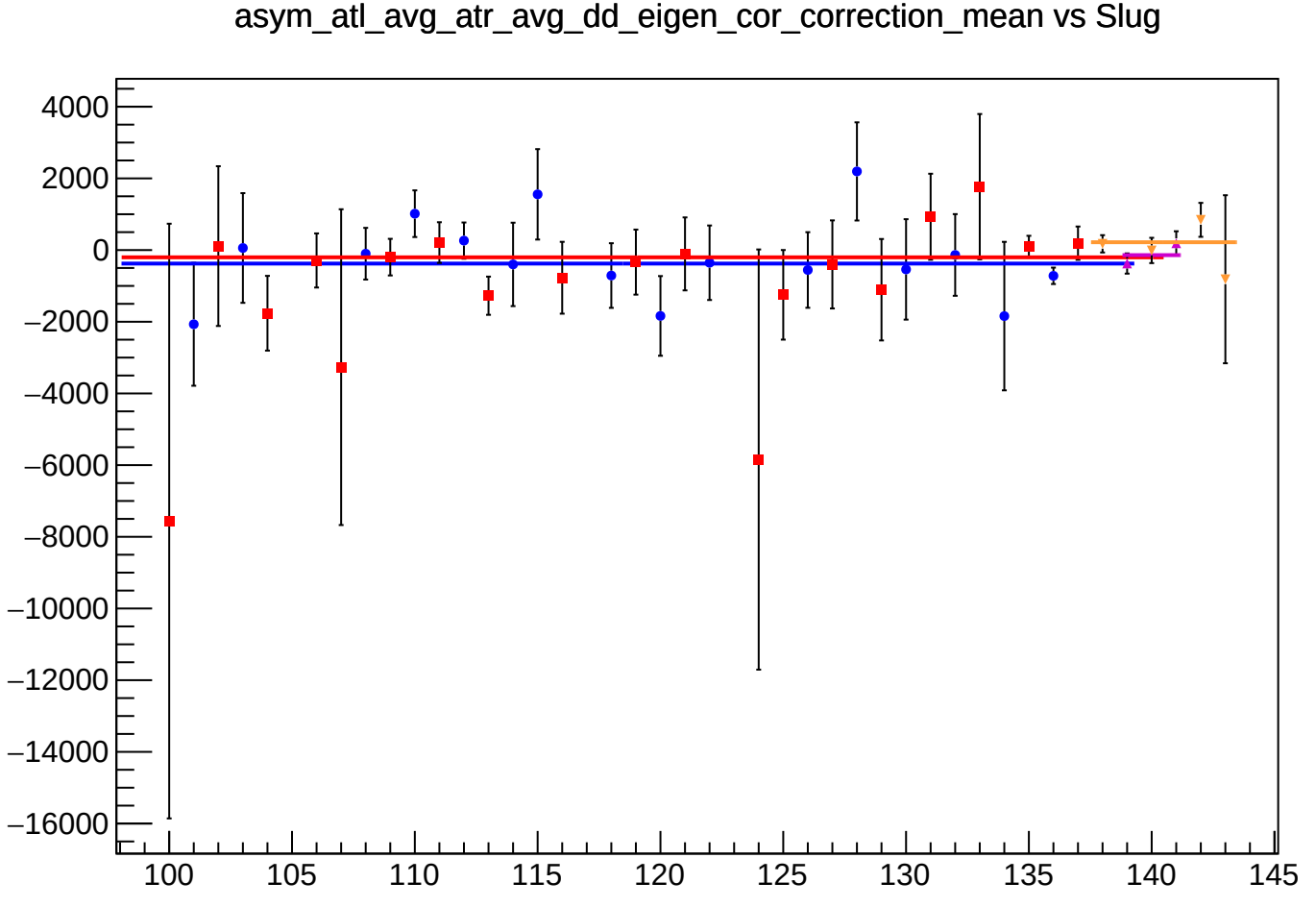
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

+ sign 1314.991+/-0.297 χ^2/NDF: 652794.9/19

All: 1307.224+/-0.214 χ^2/NDF: 982334.9/40

- sign 1298.852+/-0.309 χ^2/NDF: 328122.9/20



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 218.559+/-183.137 χ^2/NDF:2.4/3

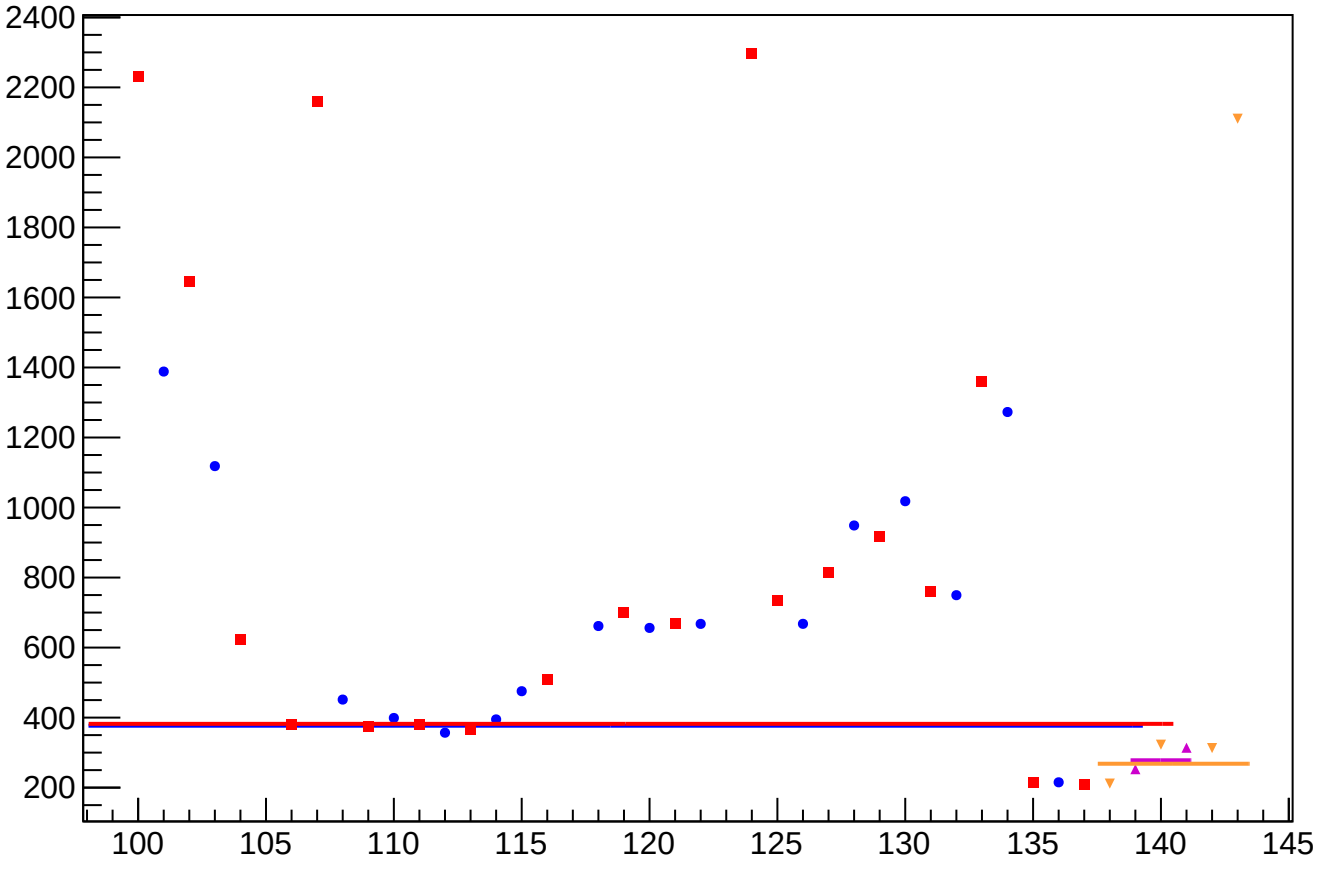
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -141.120+/-215.928 χ^2/NDF:1.7/1

+ sign -104.330+/-123.889 χ^2/NDF: 26.1/19

All: -138.898+/-90.738 χ^2/NDF: 42.0/40

- sign -178.898+/-133.269 χ^2/NDF: 15.8/20



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

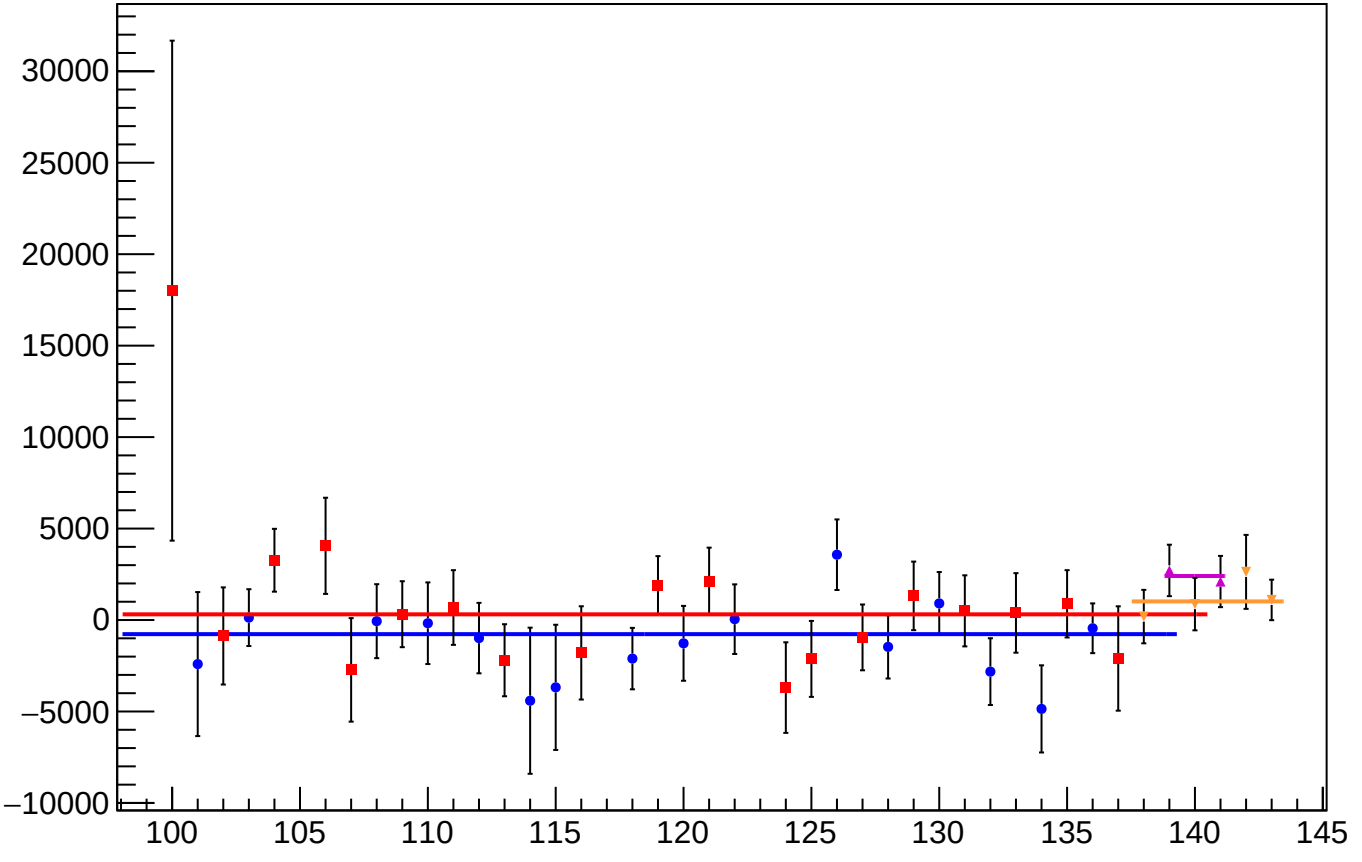
Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

+ sign 327.152+/-0.088 χ^2/NDF: 5986321.0/19

All: 334.269+/-0.064 χ^2/NDF: 10386795.8/40

- sign 342.503+/-0.094 χ^2/NDF: 4386239.7/20

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1018.255+/-704.517 χ^2/NDF:1.0/3

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

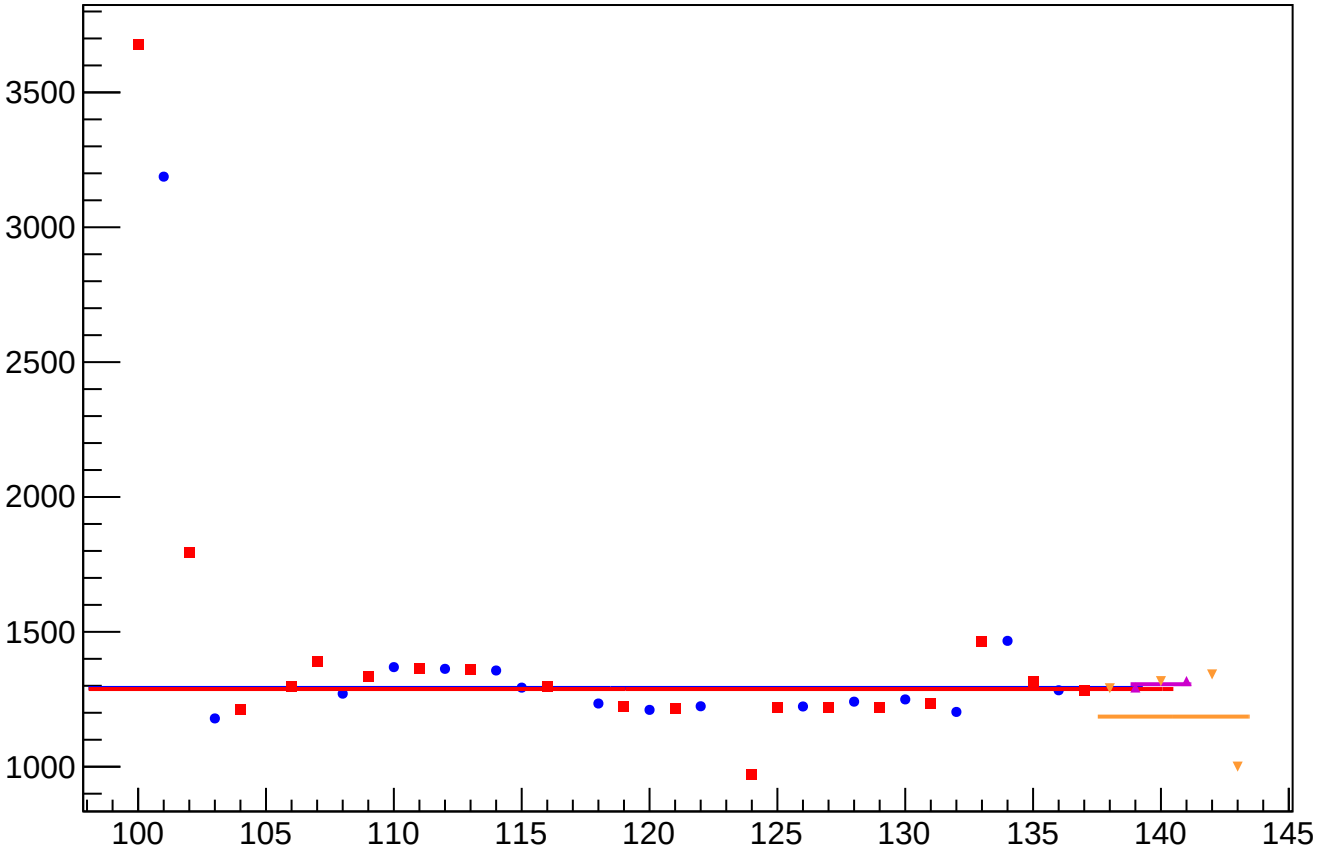
Left In: 2406.569+/-992.473 χ^2/NDF:0.1/1

+ sign -188.631+/-402.050 χ^2/NDF: 18.9/19

All: 227.337+/-294.954 χ^2/NDF: 42.9/40

- sign 712.135+/-434.040 χ^2/NDF: 21.6/20

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95235.2/3

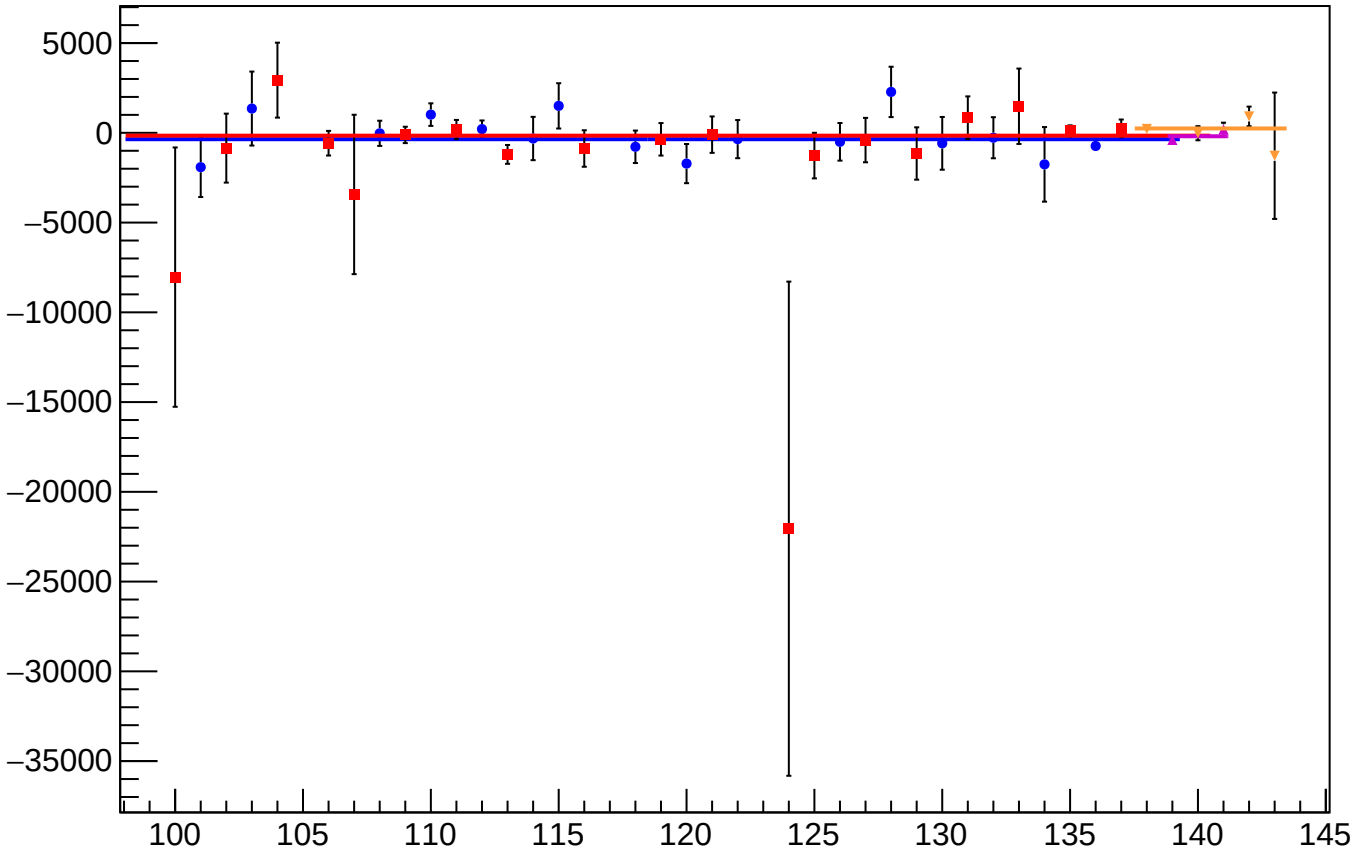
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1305.816+/-0.702 χ^2/NDF:295.2/1

+ sign 1257.441+/-0.284 χ^2/NDF: 635305.5/19

All: 1273.122+/-0.209 χ^2/NDF: 851919.6/40

- sign 1291.398+/-0.307 χ^2/NDF: 210025.9/20



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 243.344+/-193.368 χ^2/NDF:2.2/3

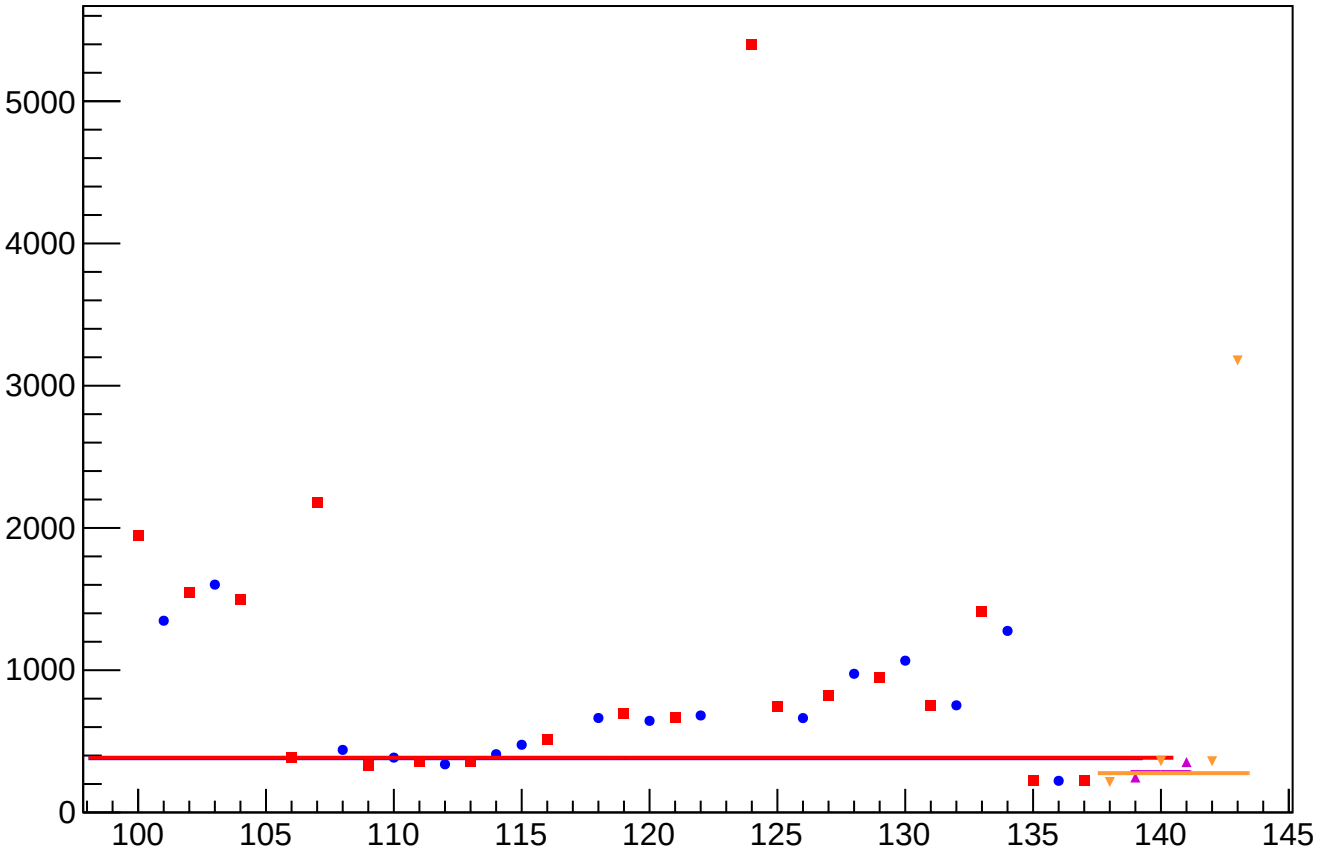
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -191.190+/-223.357 χ^2/NDF:1.6/1

+ sign -94.326+/-127.662 χ^2/NDF: 26.0/19

All: -130.066+/-92.791 χ^2/NDF: 43.6/40

- sign -170.095+/-135.106 χ^2/NDF: 17.4/20



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 276.288+/-0.137 χ^2/NDF:1628852.6/3

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

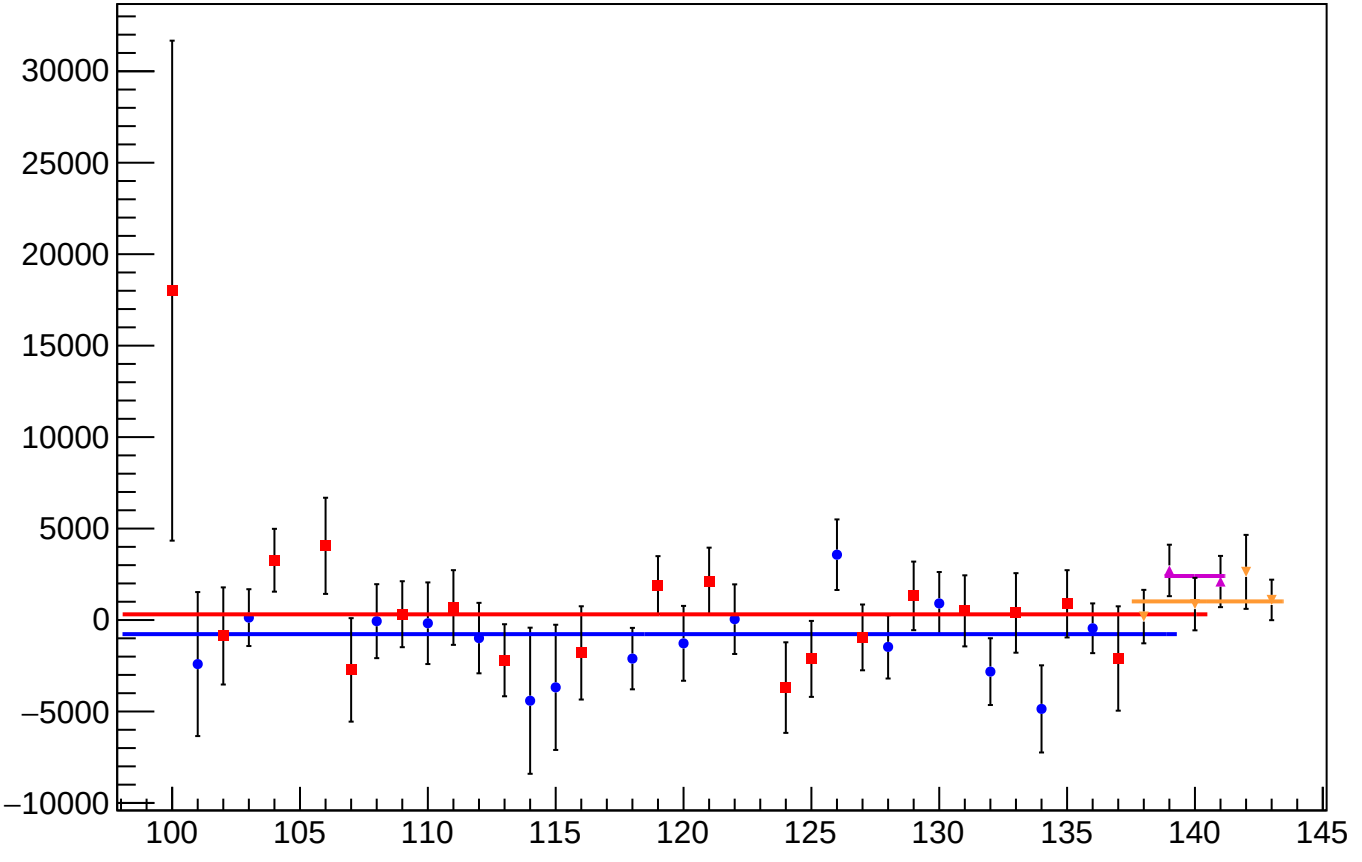
Left In: 283.807+/-0.158 χ^2/NDF:107020.9/1

+ sign 335.556+/-0.090 χ^2/NDF: 6279837.5/19

All: 341.309+/-0.066 χ^2/NDF: 11214198.3/40

- sign 347.753+/-0.096 χ^2/NDF: 4925749.1/20

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: 1018.253+/-704.518 χ^2/NDF:1.0/3

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

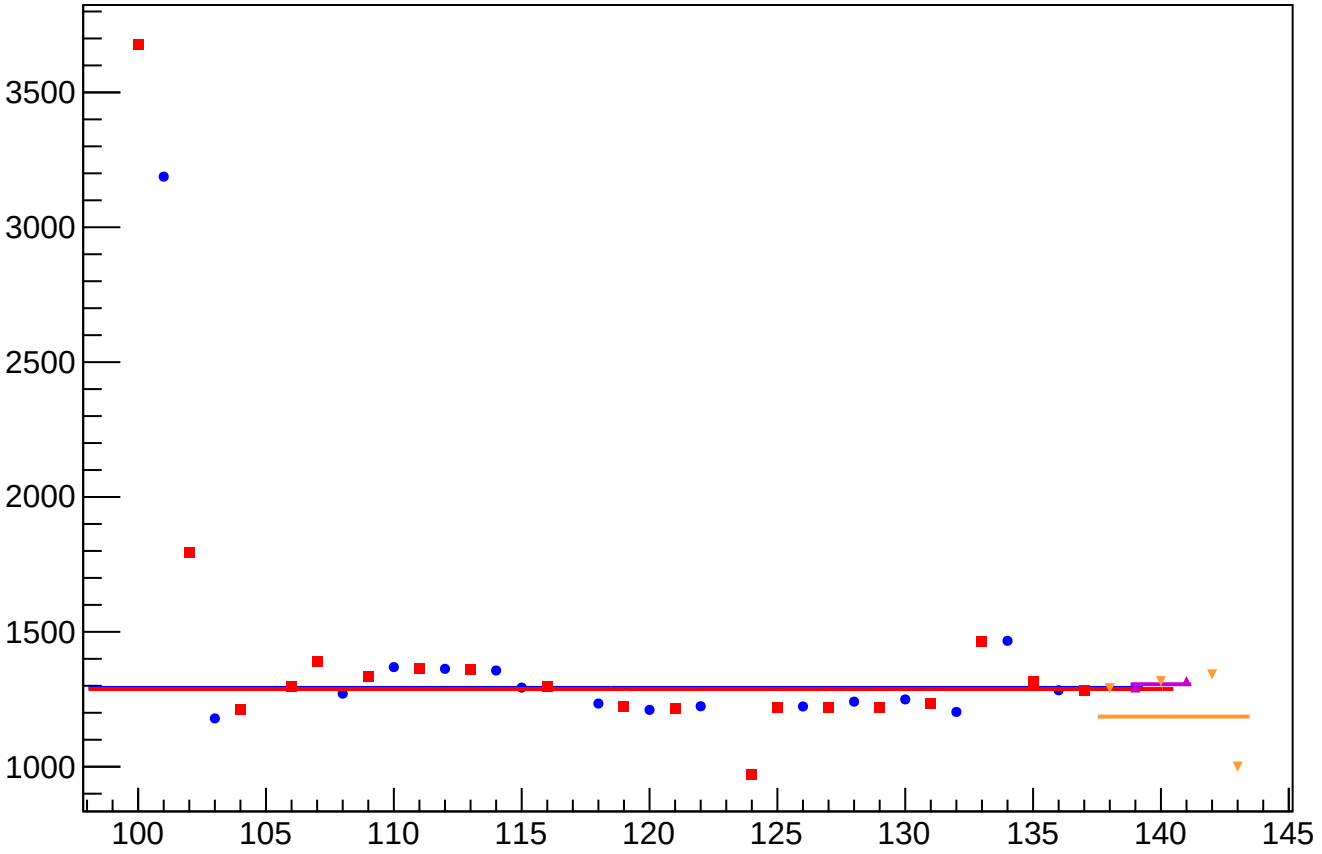
Left In: 2406.560+/-992.473 χ^2/NDF:0.1/1

+ sign -188.634+/-402.050 χ^2/NDF: 18.9/19

All: 227.336+/-294.954 χ^2/NDF: 42.9/40

- sign 712.135+/-434.040 χ^2/NDF: 21.6/20

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: 1185.806+/-0.498 χ^2/NDF:95234.6/3

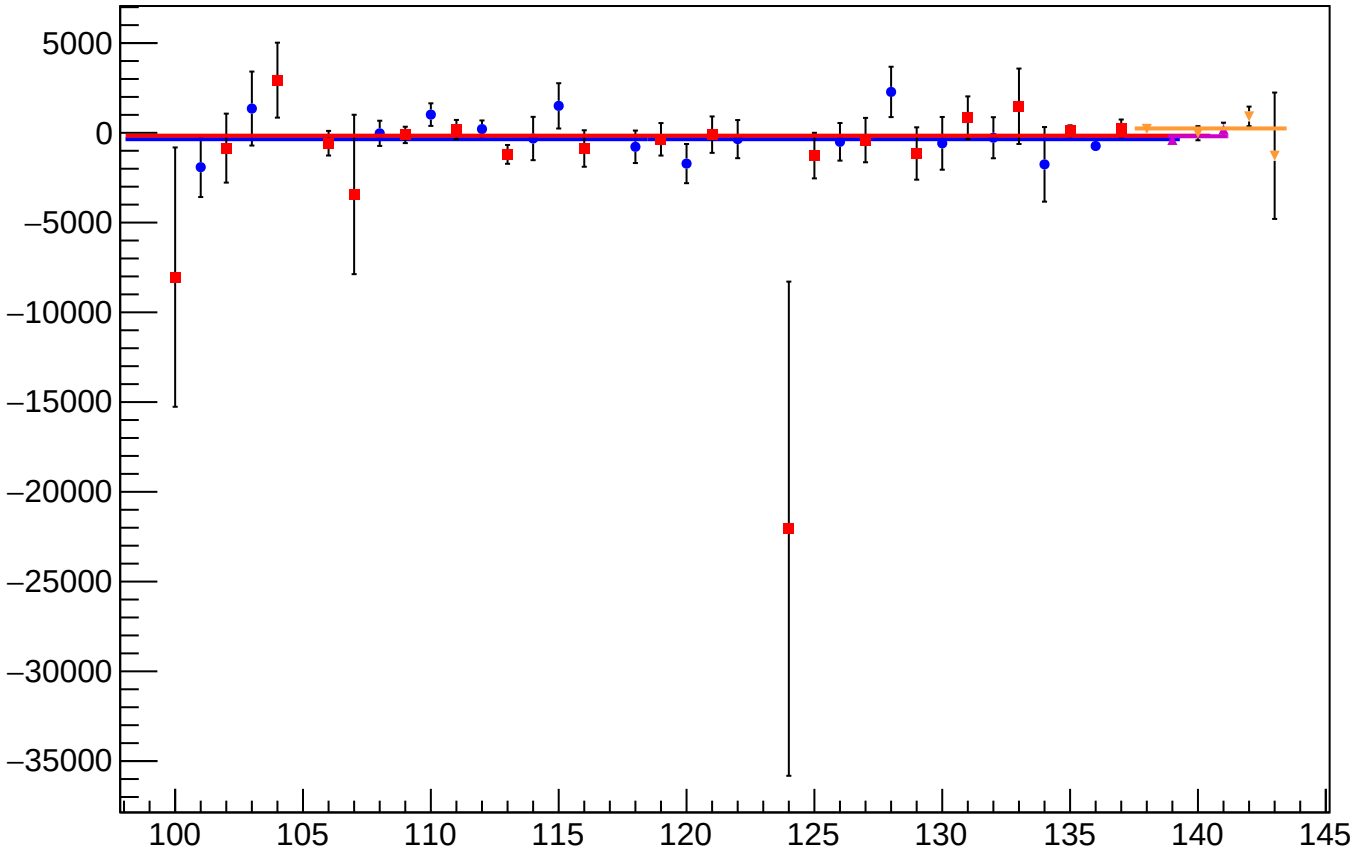
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1305.816+/-0.702 χ^2/NDF:295.2/1

+ sign 1257.442+/-0.284 χ^2/NDF: 635304.6/19

All: 1273.122+/-0.209 χ^2/NDF: 851918.9/40

- sign 1291.398+/-0.307 χ^2/NDF: 210026.2/20



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 243.355+/-193.376 χ^2/NDF:2.2/3

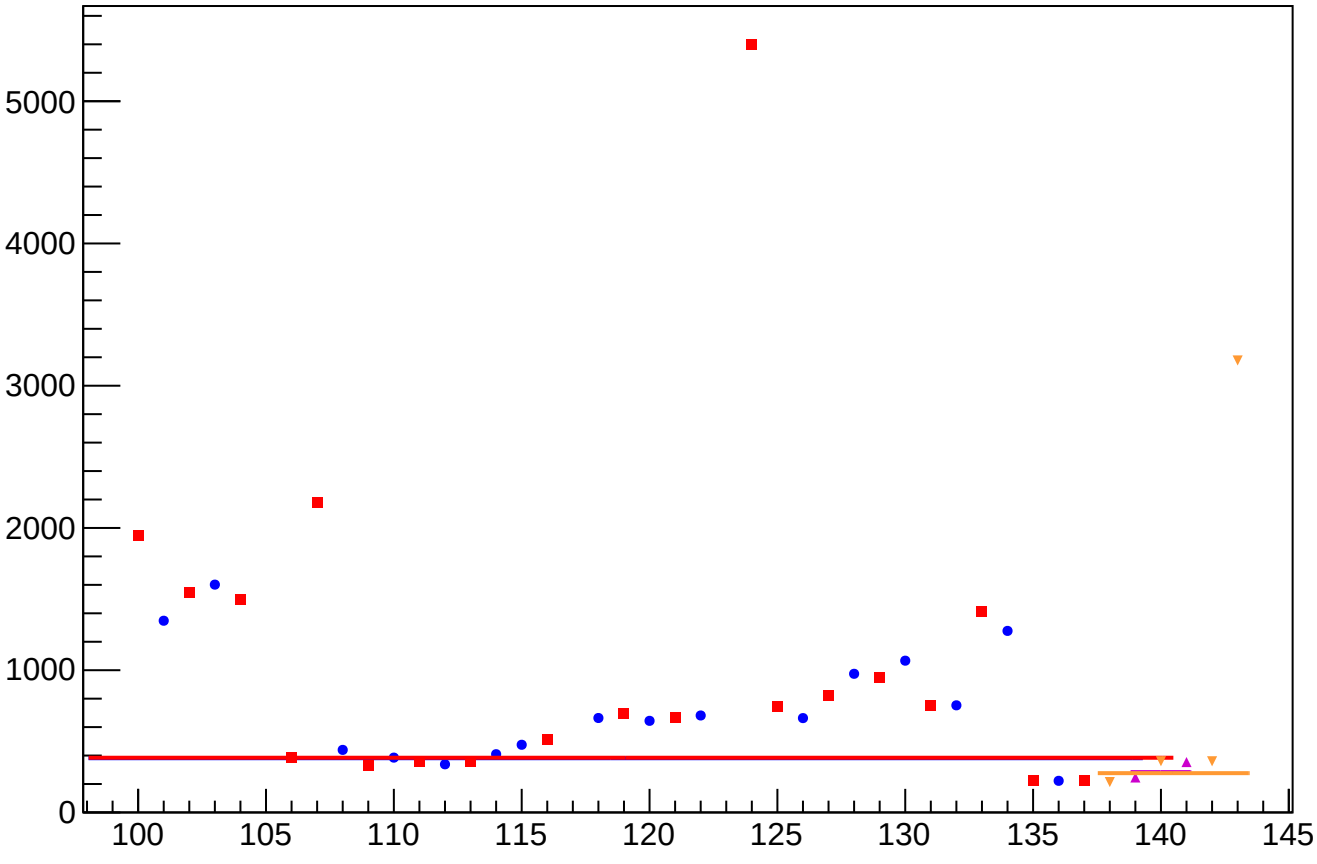
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -191.194+/-223.367 χ^2/NDF:1.6/1

+ sign -94.329+/-127.666 χ^2/NDF: 26.0/19

All: -130.070+/-92.793 χ^2/NDF: 43.6/40

- sign -170.100+/-135.109 χ^2/NDF: 17.4/20



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 276.302+/-0.137 χ^2/NDF:1628791.9/3

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

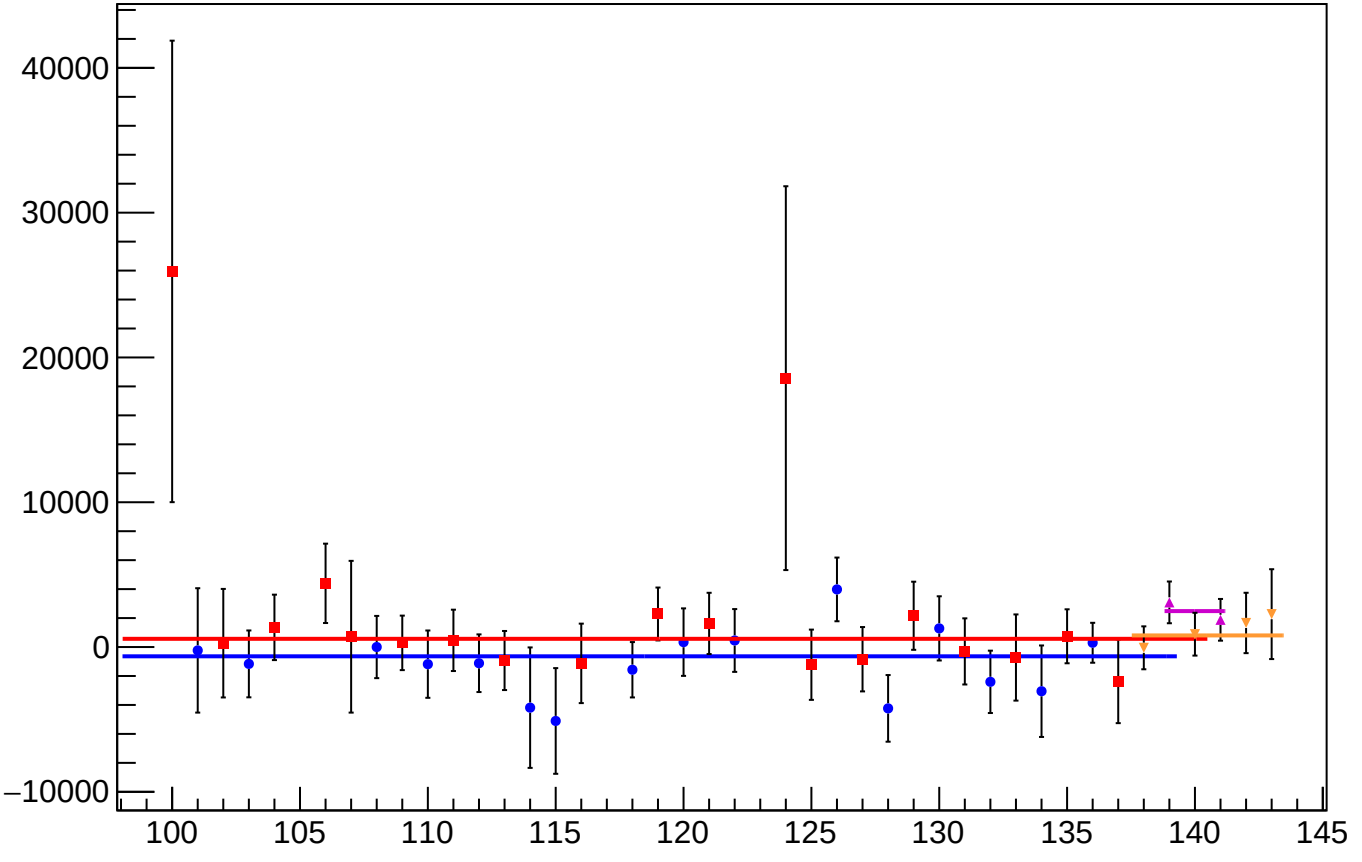
Left In: 283.821+/-0.158 χ^2/NDF:106991.7/1

+ sign 335.569+/-0.090 χ^2/NDF: 6279544.8/19

All: 341.322+/-0.066 χ^2/NDF: 11213685.6/40

- sign 347.765+/-0.096 χ^2/NDF: 4925532.0/20

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 801.685+/-895.374 χ^2/NDF:0.7/3

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

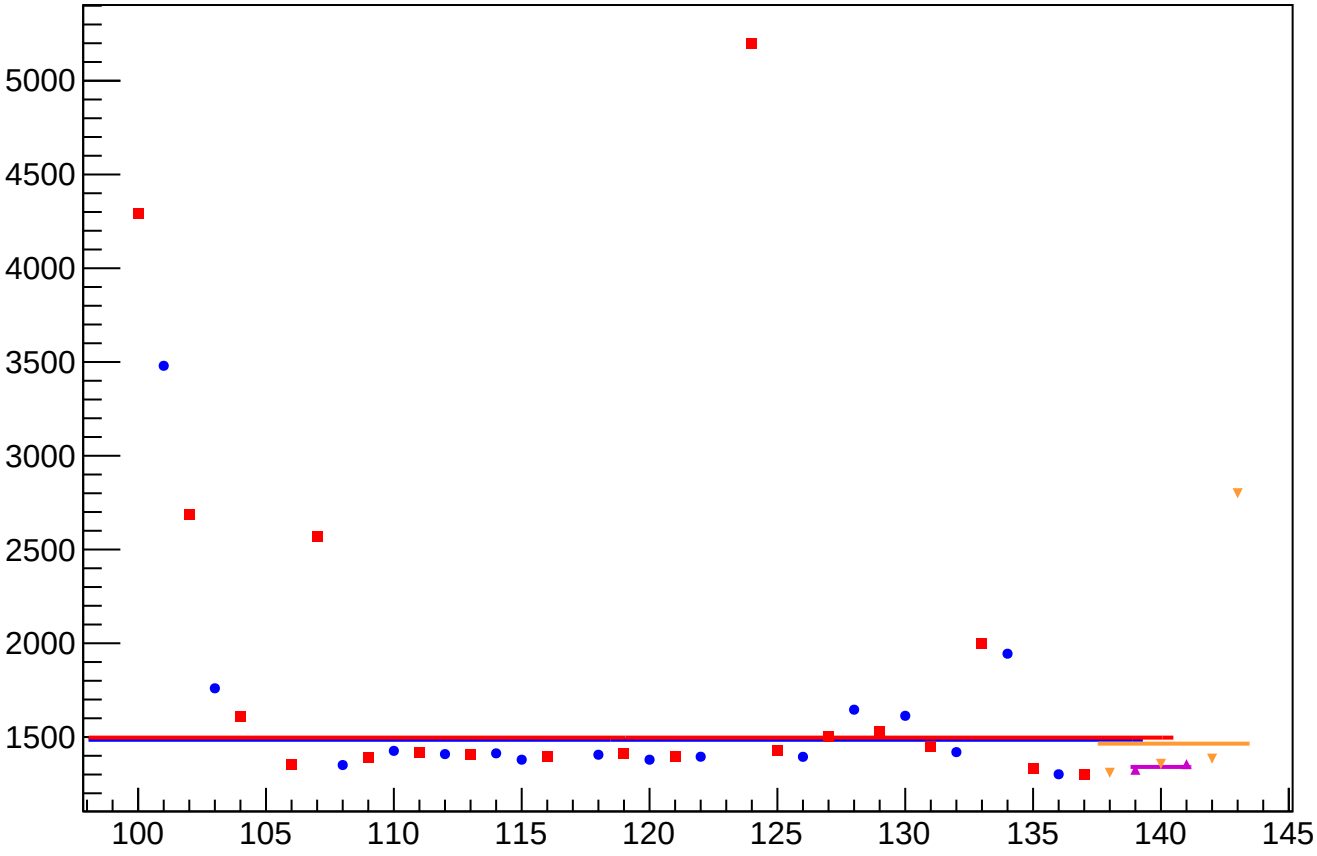
Left In: 2481.984+/-1018.961 χ^2/NDF:0.3/1

+ sign -230.673+/-477.438 χ^2/NDF: 15.1/19

All: 371.539+/-343.744 χ^2/NDF: 32.7/40

- sign 1019.677+/-495.308 χ^2/NDF: 14.4/20

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1464.721+/-0.633 χ^2/NDF:405999.0/3

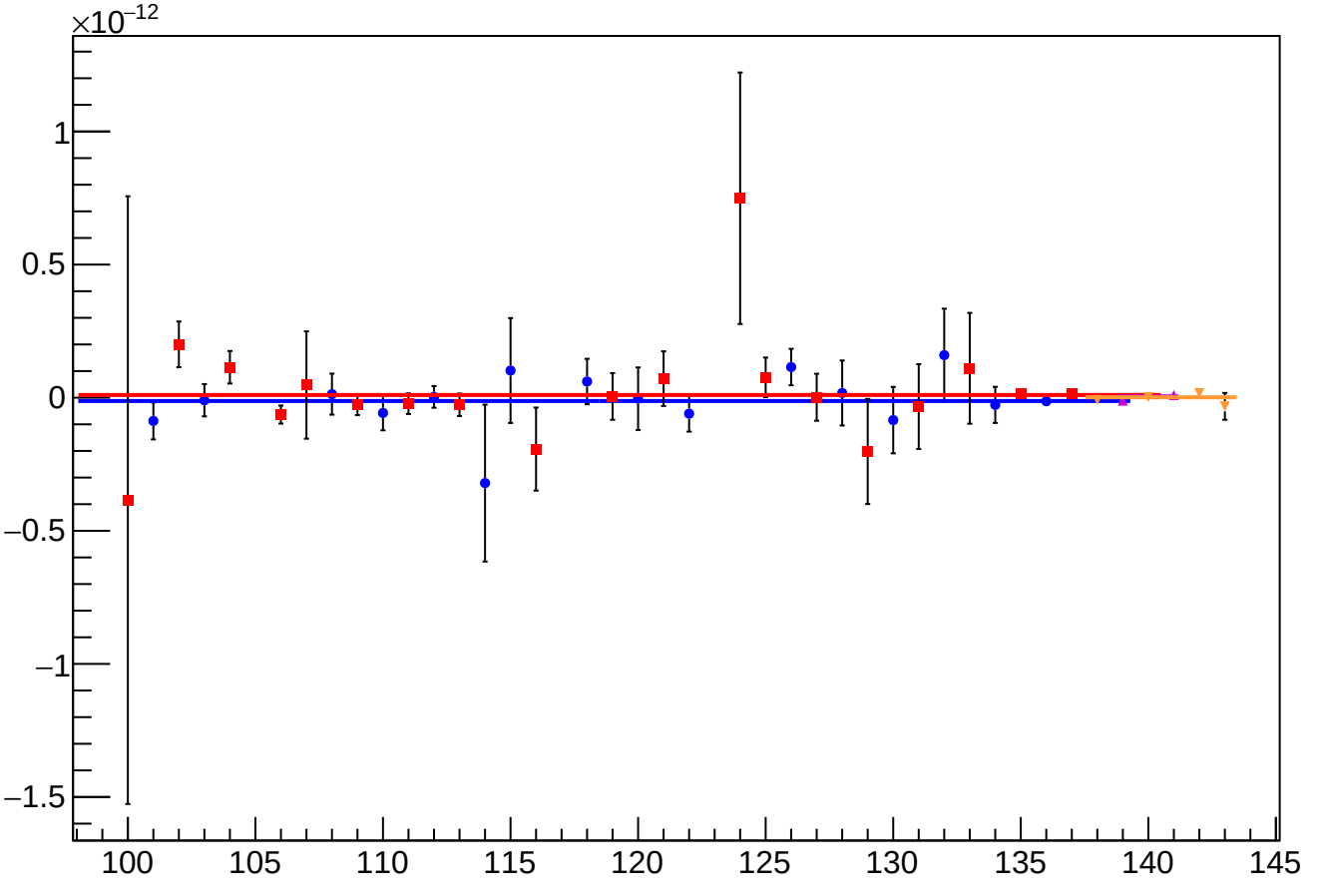
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1340.532+/-0.721 χ^2/NDF:427.7/1

+ sign 1479.499+/-0.338 χ^2/NDF: 991230.3/19

All: 1470.072+/-0.243 χ^2/NDF: 1652523.8/40

- sign 1459.926+/-0.350 χ^2/NDF: 659674.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/3

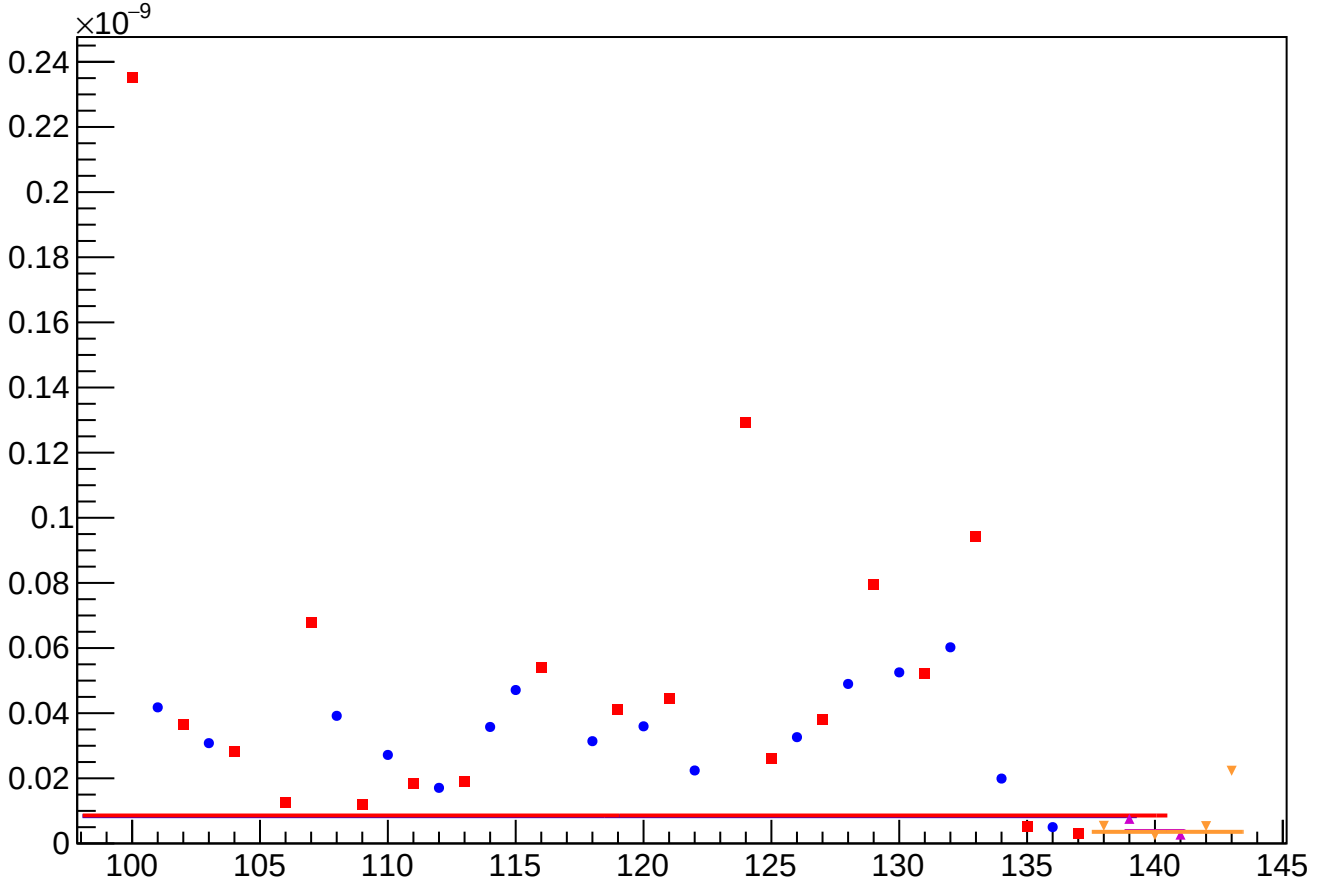
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 15.8/19

All: 0.000+/-0.000 χ^2/NDF: 43.5/40

- sign 0.000+/-0.000 χ^2/NDF: 25.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:510118.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

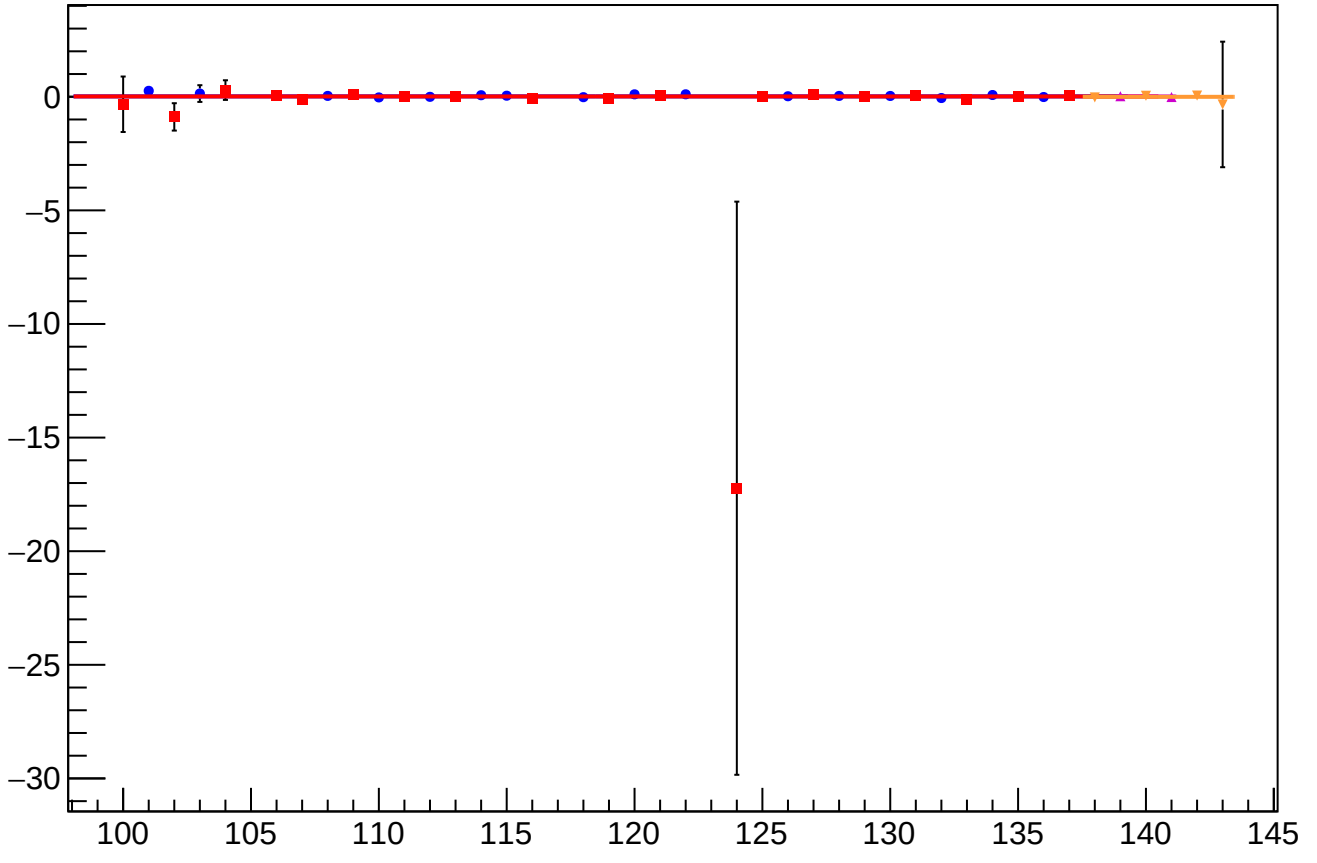
Left In: 0.000+/-0.000 χ^2/NDF:314996.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 4221818.8/19

All: 0.000+/-0.000 χ^2/NDF: 8404518.4/40

- sign 0.000+/-0.000 χ^2/NDF: 4161537.7/20

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

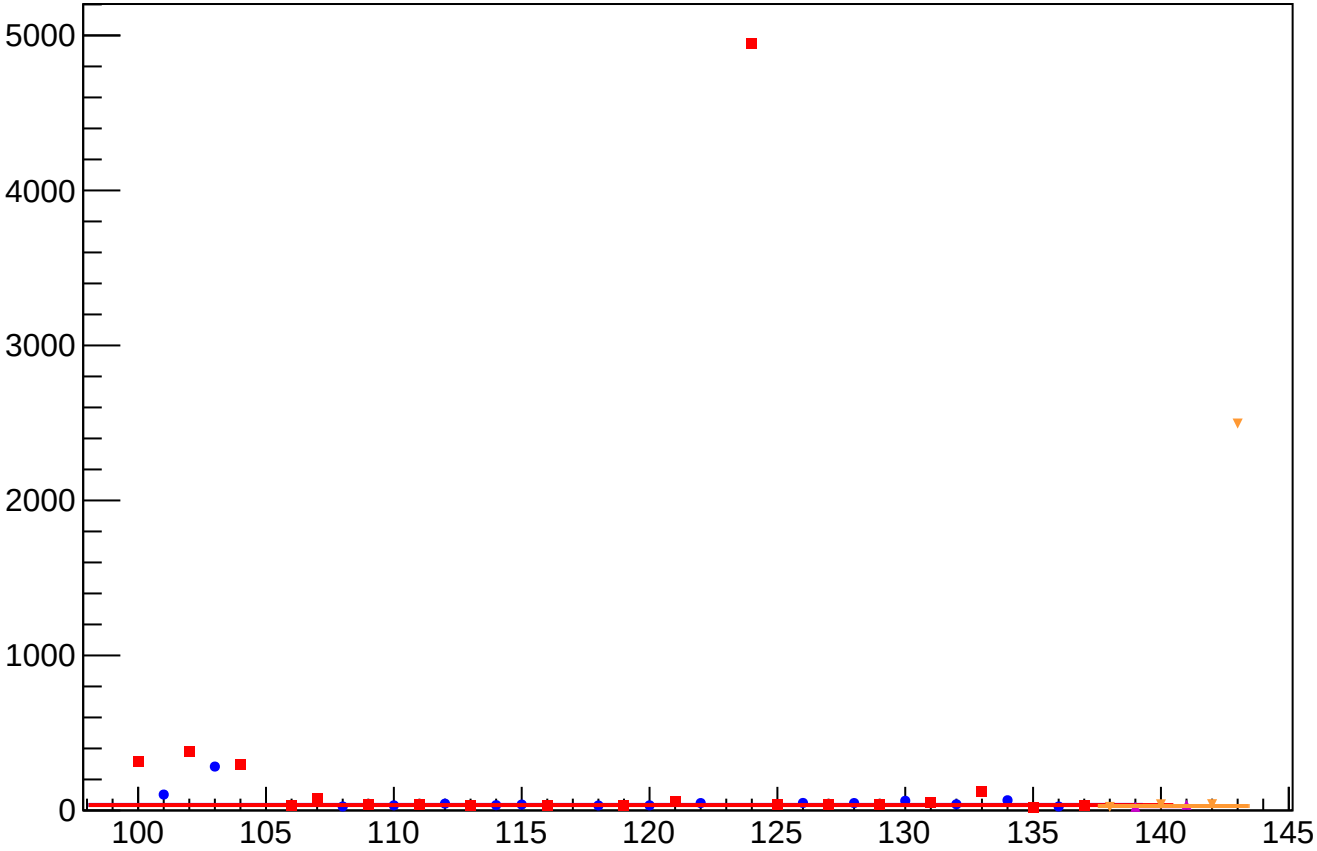
Left In: 0.013+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.013 χ^2/NDF: 14.7/19

All: 0.012+/-0.009 χ^2/NDF: 31.2/40

- sign 0.013+/-0.013 χ^2/NDF: 16.5/20

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: 28.723+/-0.016 χ^2/NDF:1867797.3/3

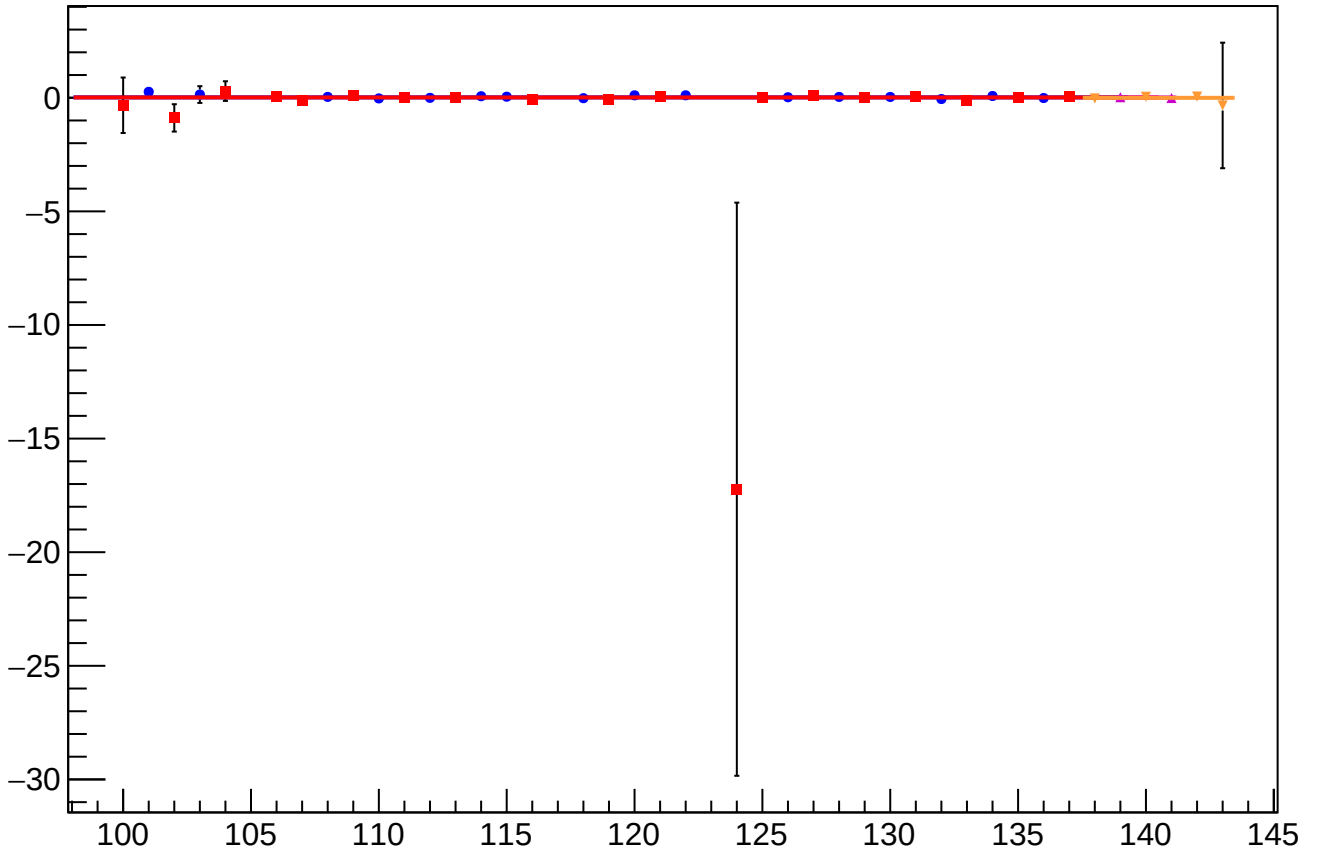
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

+ sign 33.453+/-0.009 χ^2/NDF: 4267223.3/19

All: 33.111+/-0.006 χ^2/NDF: 7439051.5/40

- sign 32.745+/-0.009 χ^2/NDF: 3168816.5/20



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.003+/-0.022 χ^2/NDF:2.7/3

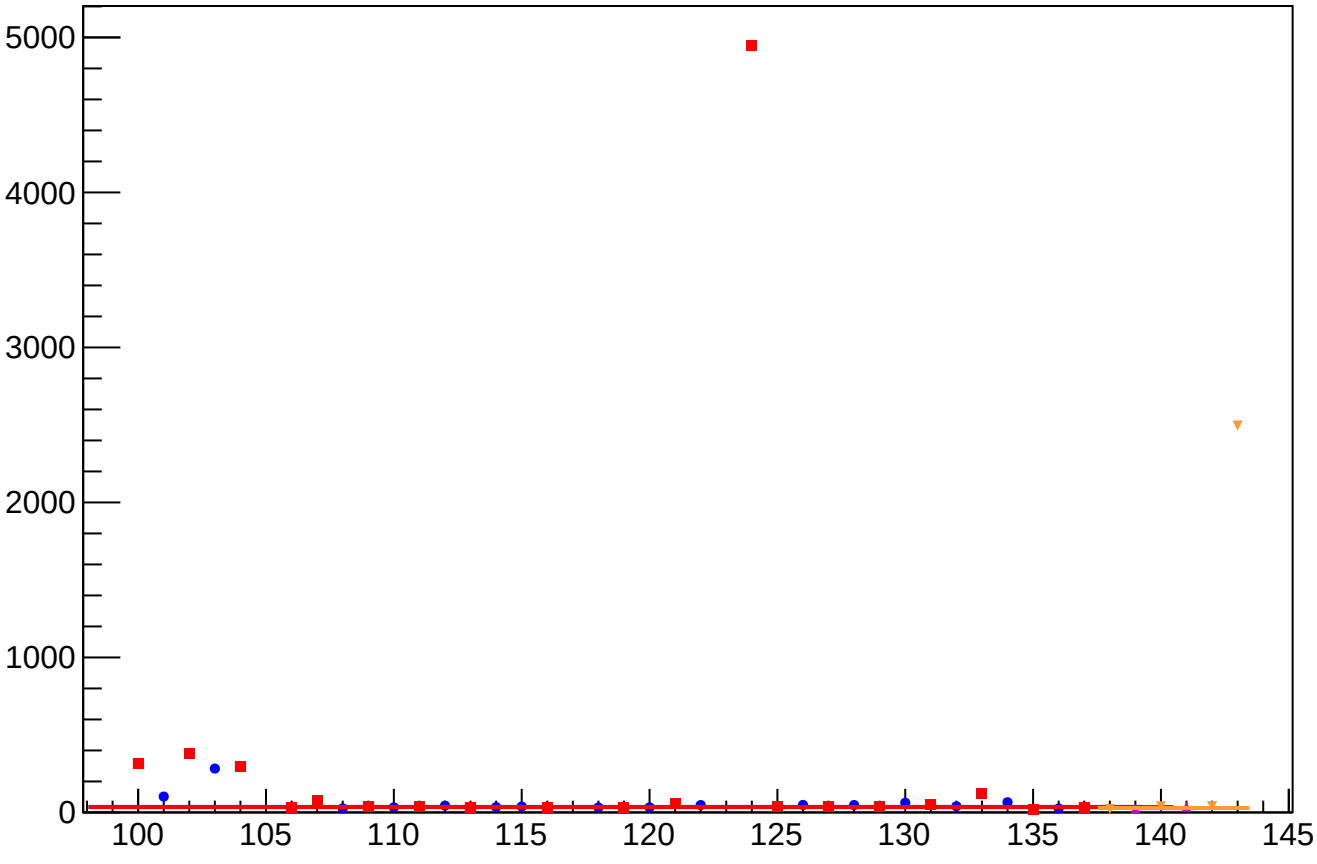
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.013+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.013 χ^2/NDF: 14.7/19

All: 0.012+/-0.009 χ^2/NDF: 31.2/40

- sign 0.013+/-0.013 χ^2/NDF: 16.5/20



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867797.3/3

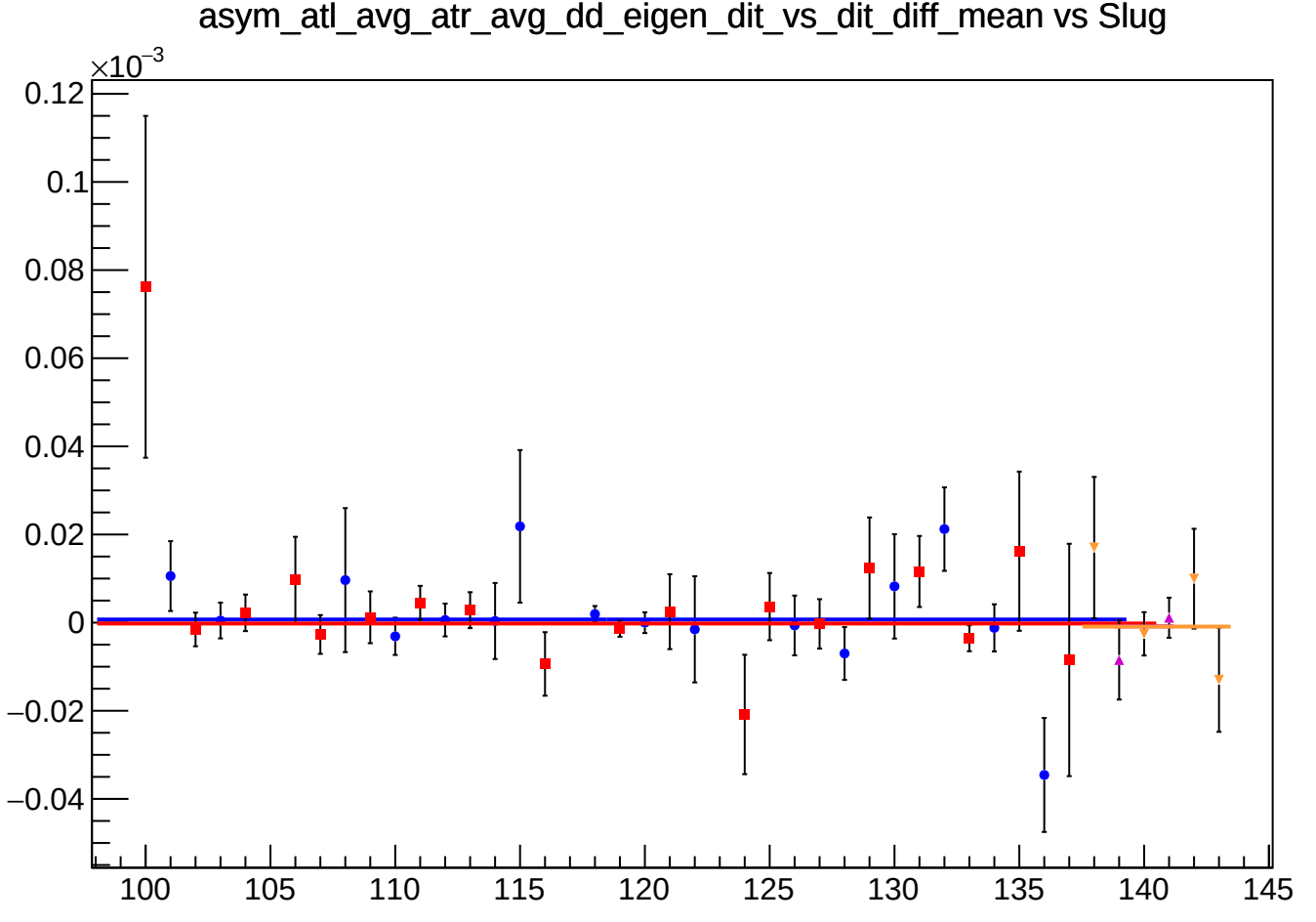
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

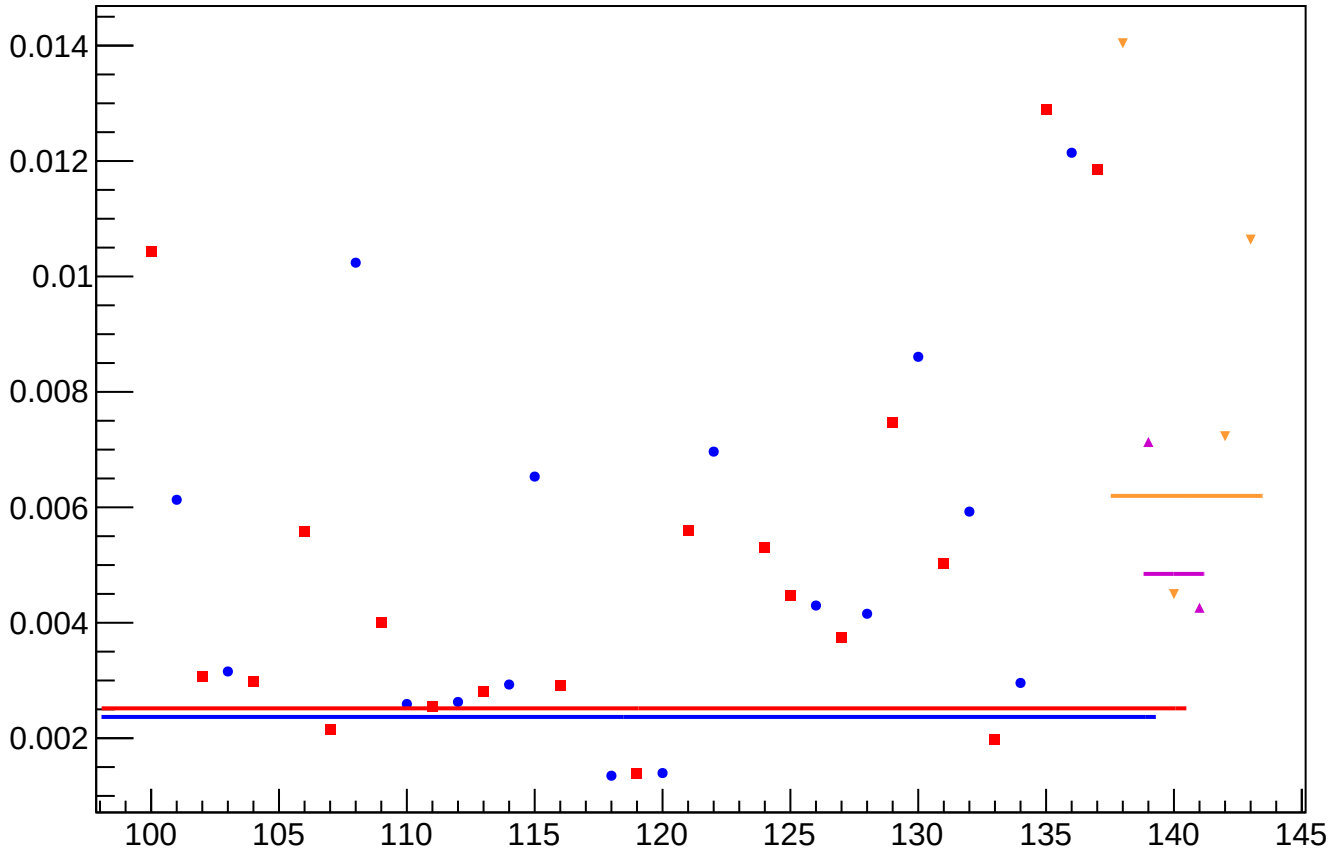
Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

+ sign 33.453+/-0.009 χ^2/NDF: 4267223.3/19

All: 33.111+/-0.006 χ^2/NDF: 7439051.5/40

- sign 32.745+/-0.009 χ^2/NDF: 3168816.5/20


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
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:3.3/3
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:0.9/1
+ sign 0.000+/-0.000 χ²/NDF: 22.6/19
All: 0.000+/-0.000 χ²/NDF: 41.9/40
- sign -0.000+/-0.000 χ²/NDF: 19.0/20



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1017359.5/3

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

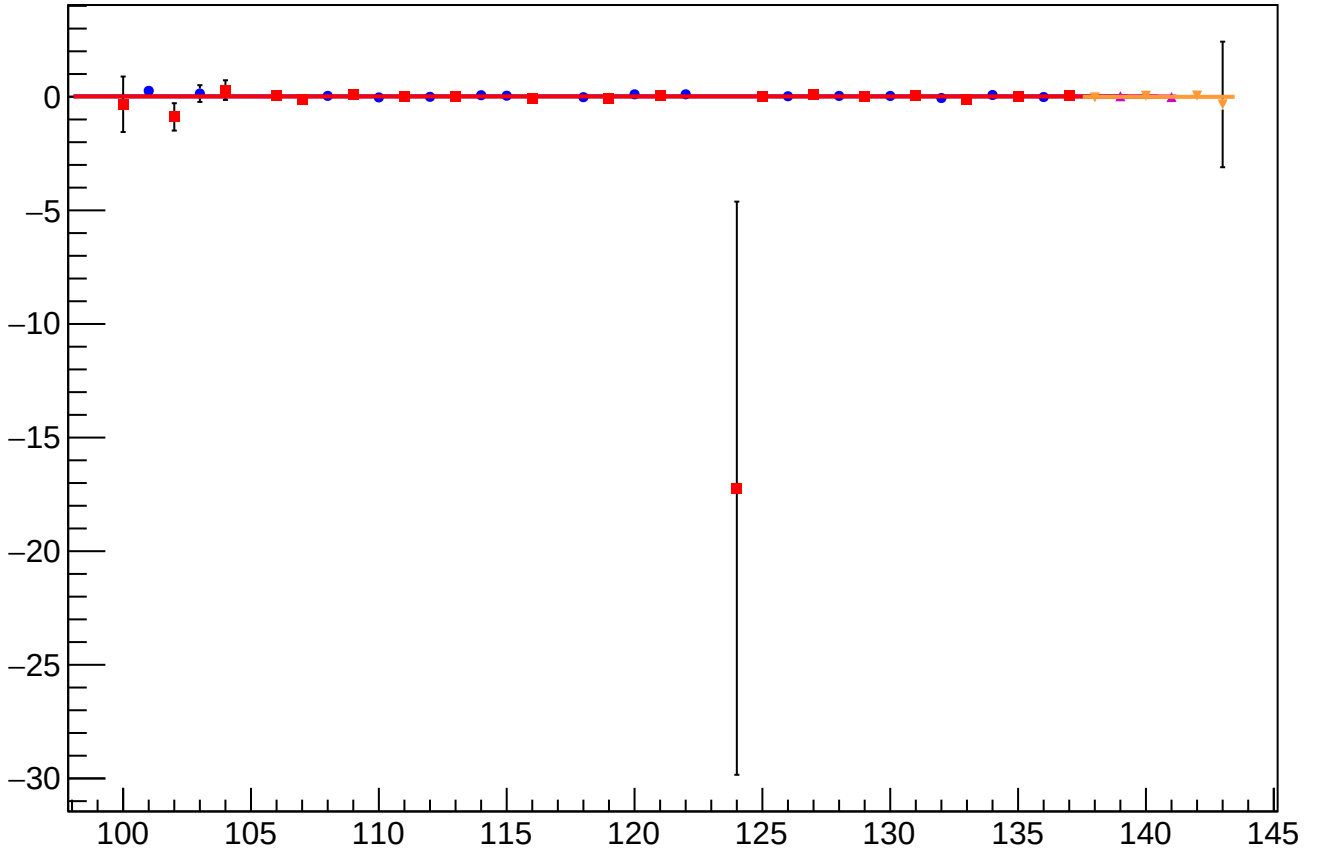
Left In: 0.005+/-0.000 χ^2/NDF:163119.1/1

+ sign 0.003+/-0.000 χ^2/NDF: 7384299.5/19

All: 0.003+/-0.000 χ^2/NDF: 11564096.1/40

- sign 0.003+/-0.000 χ^2/NDF: 4178584.2/20

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+/-0.022 χ^2/NDF:2.7/3

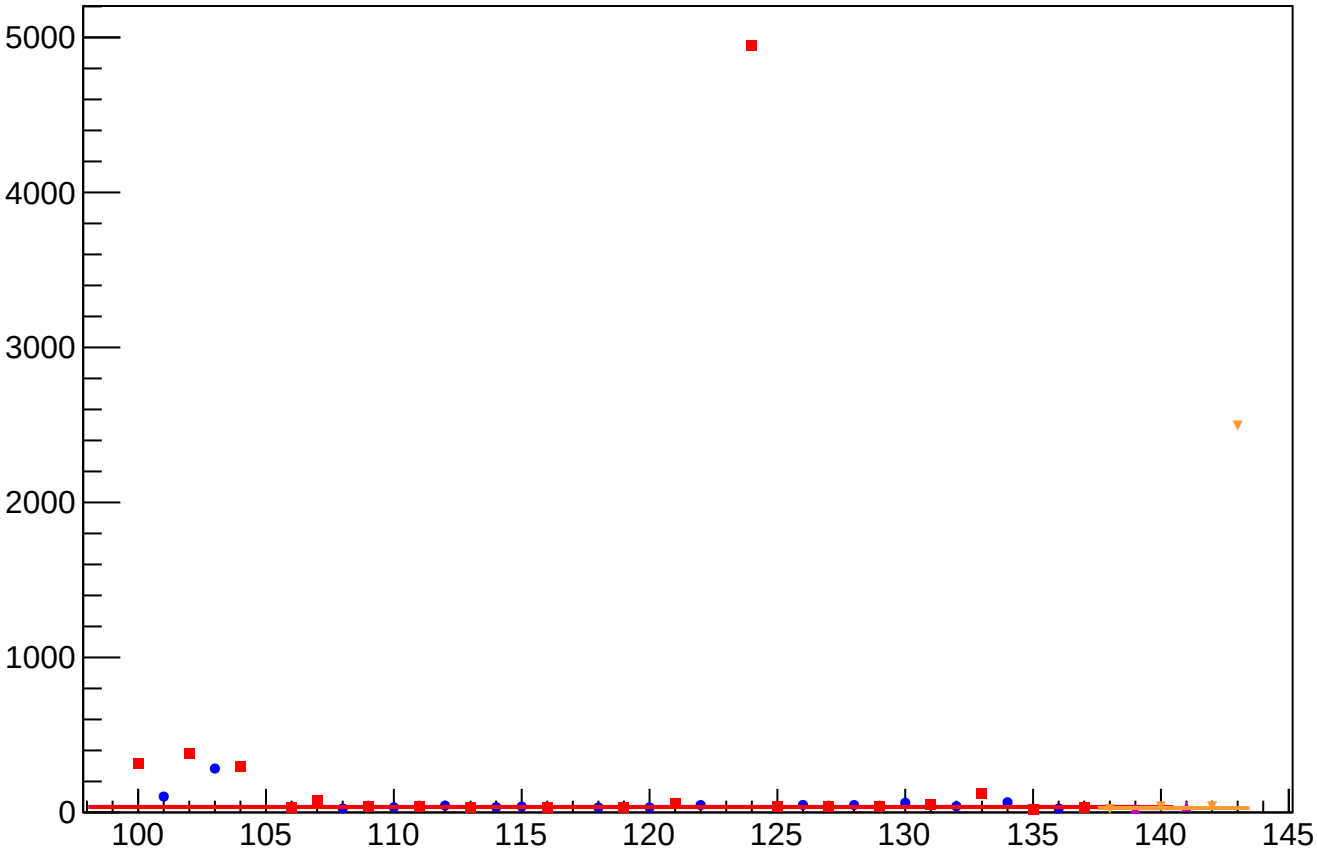
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.013+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.013 χ^2/NDF: 14.7/19

All: 0.012+/-0.009 χ^2/NDF: 31.2/40

- sign 0.013+/-0.013 χ^2/NDF: 16.5/20



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867949.2/3

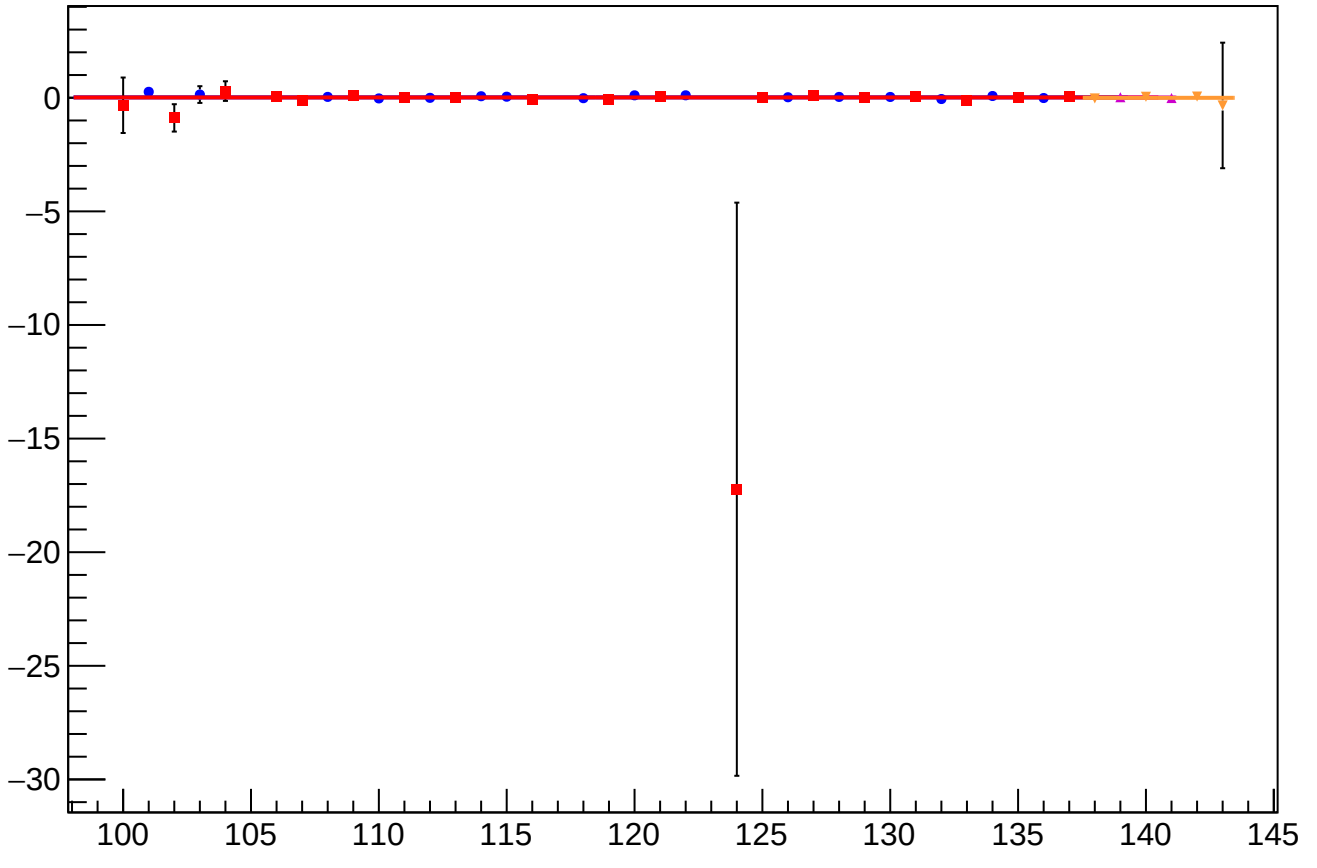
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

\+ sign 33.454+/-0.009 χ^2/NDF: 4267173.7/19

All: 33.111+/-0.006 χ^2/NDF: 7439216.9/40

\- sign 32.744+/-0.009 χ^2/NDF: 3169017.0/20



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.003+/-0.022 χ^2/NDF:2.7/3

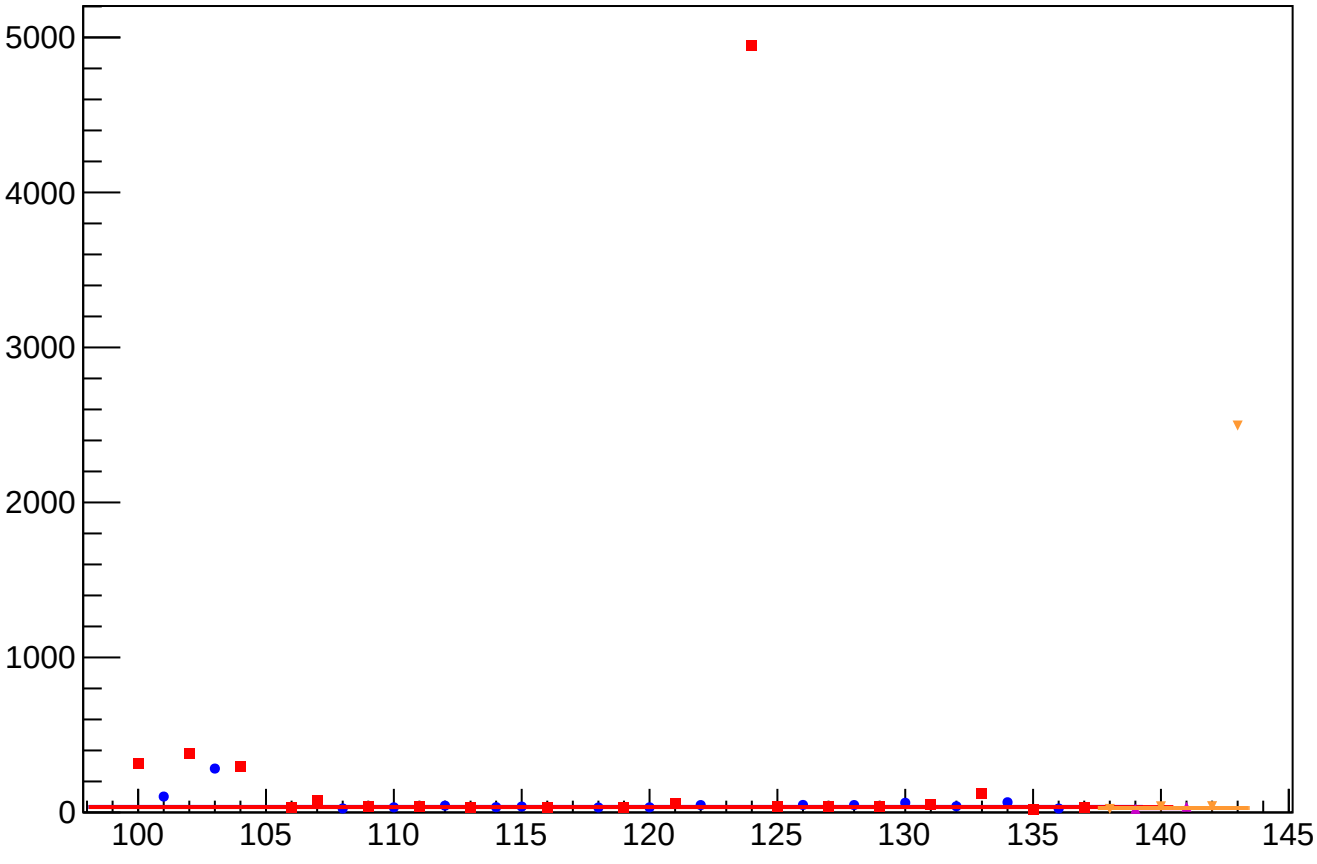
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.013+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.013 χ^2/NDF: 14.7/19

All: 0.012+/-0.009 χ^2/NDF: 31.2/40

- sign 0.013+/-0.013 χ^2/NDF: 16.5/20



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867949.2/3

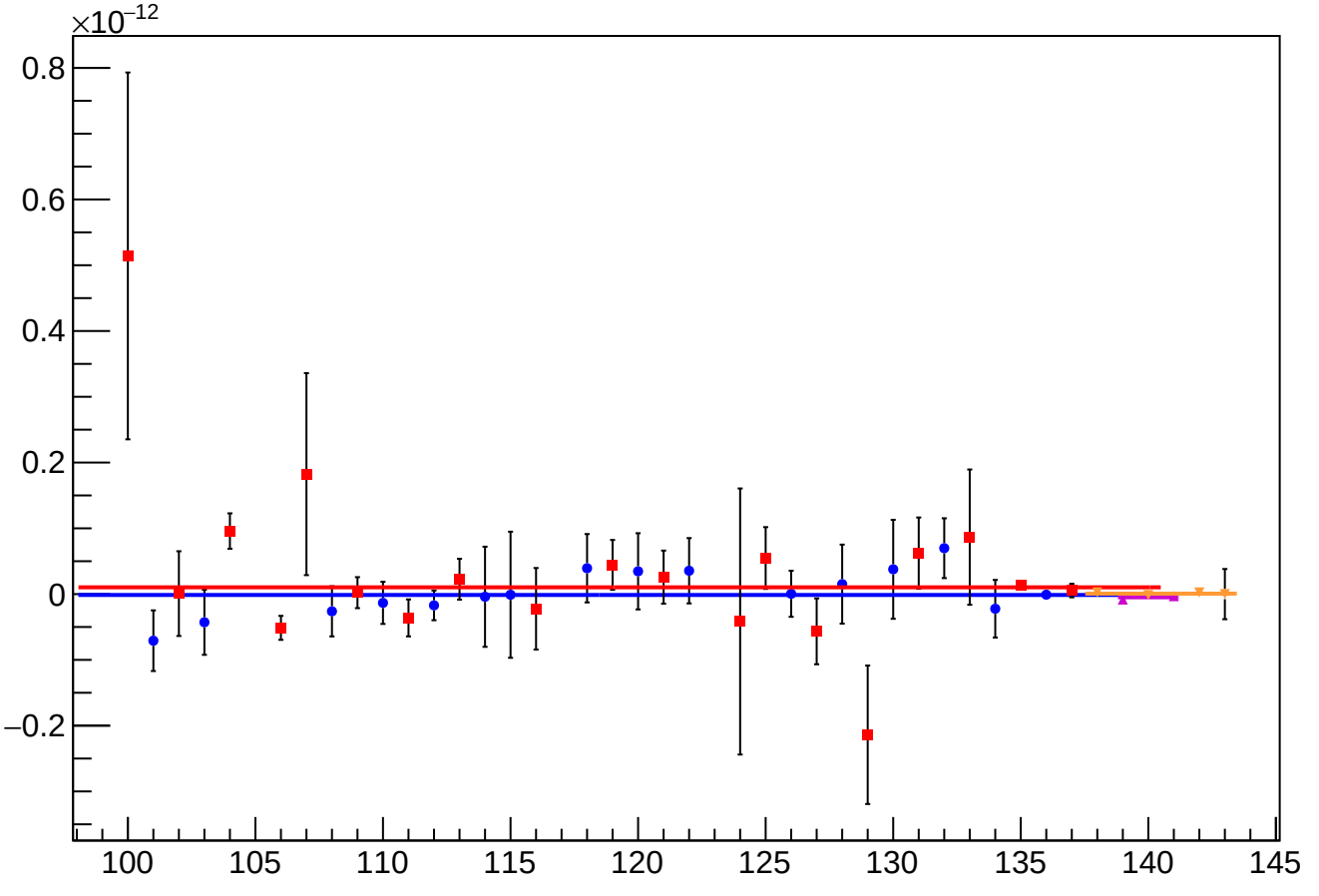
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

\+ sign 33.454+/-0.009 χ^2/NDF: 4267173.7/19

All: 33.111+/-0.006 χ^2/NDF: 7439216.9/40

\- sign 32.744+/-0.009 χ^2/NDF: 3169017.0/20



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

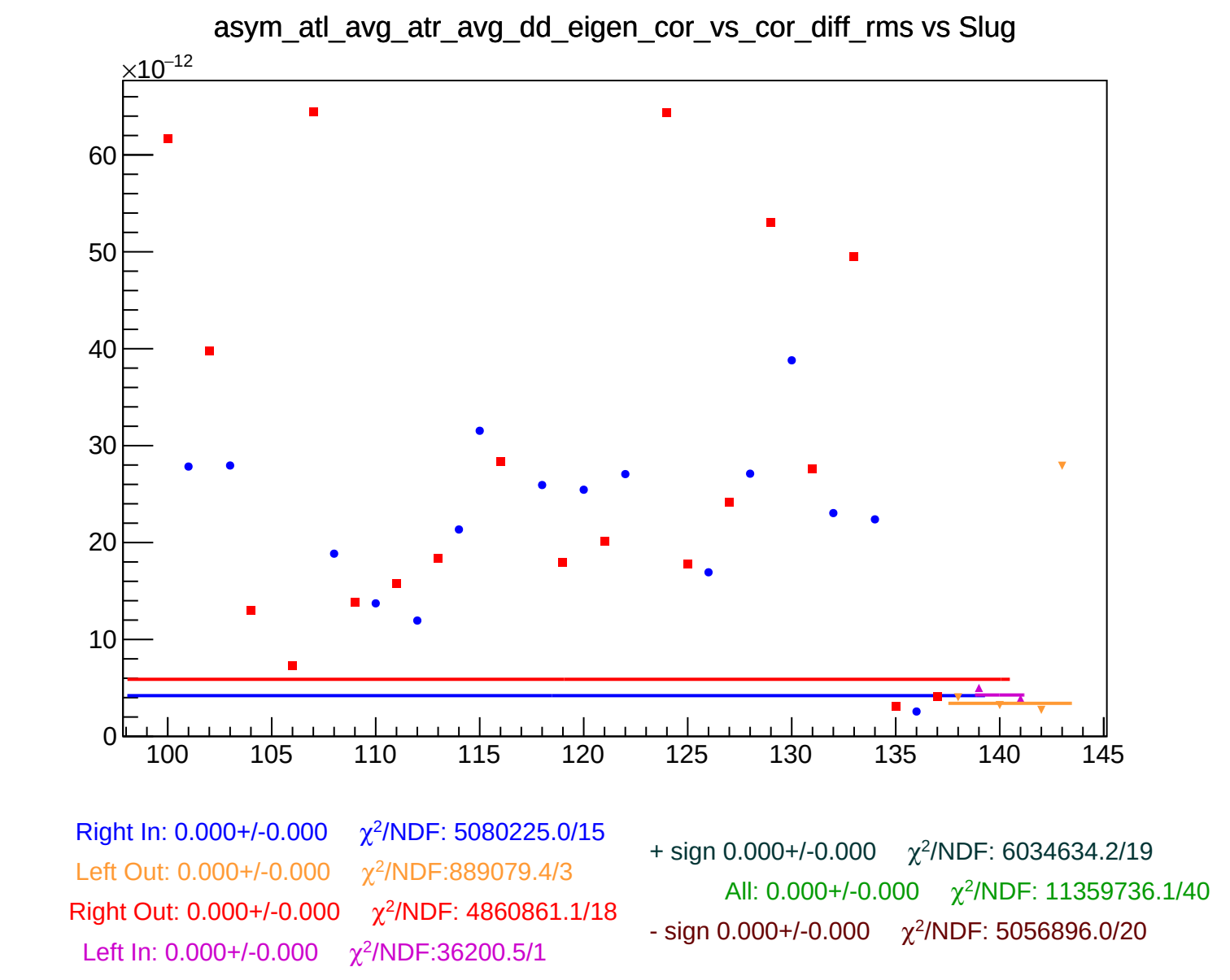
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 9.4/19

All: 0.000+/-0.000 χ^2/NDF: 57.1/40

- sign 0.000+/-0.000 χ^2/NDF: 47.3/20


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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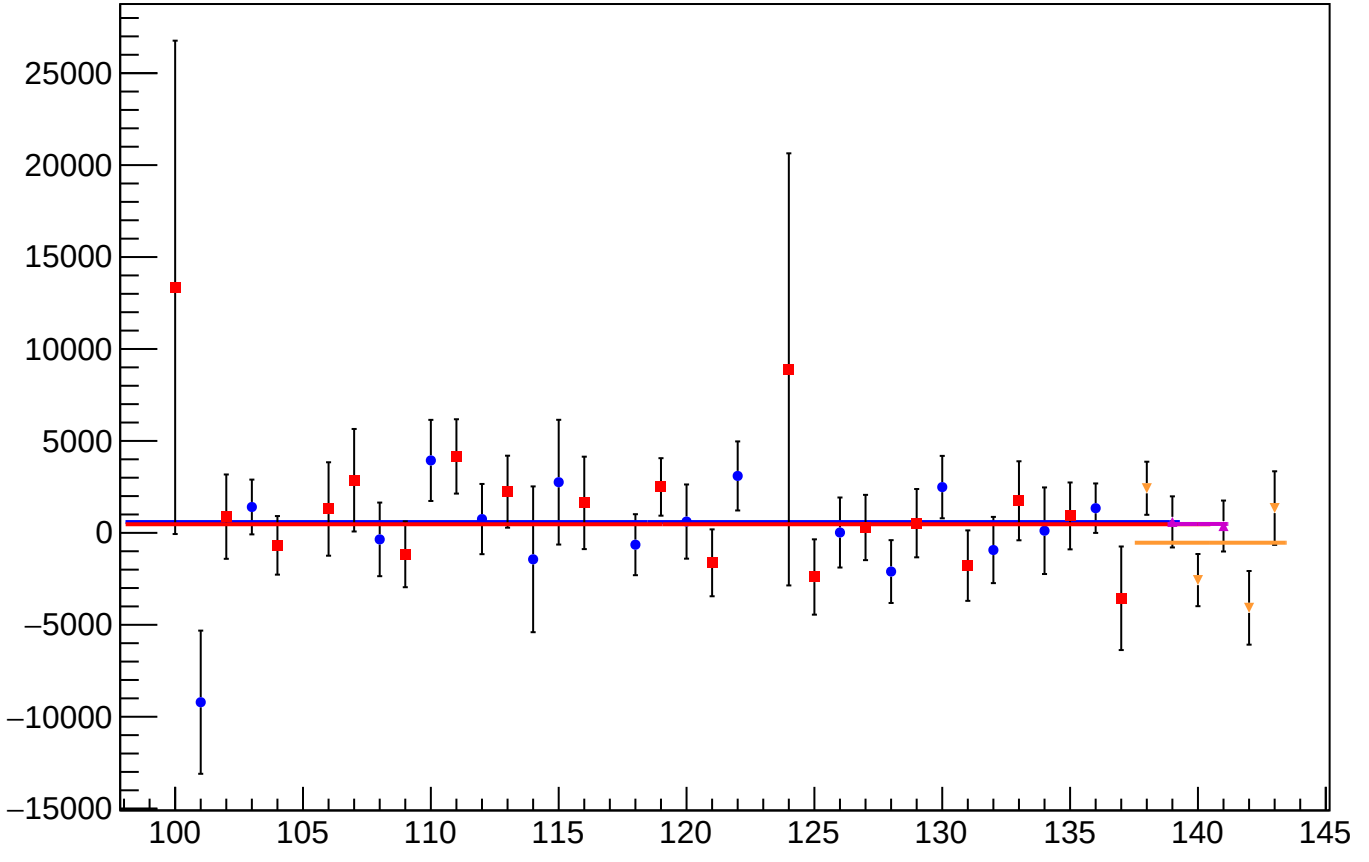
140
145
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889079.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:36200.5/1
+ sign 0.000+/-0.000 χ²/NDF: 6034634.2/19
All: 0.000+/-0.000 χ²/NDF: 11359736.1/40
- sign 0.000+/-0.000 χ²/NDF: 5056896.0/20

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -535.888+/-823.157 χ^2/NDF:10.3/3

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

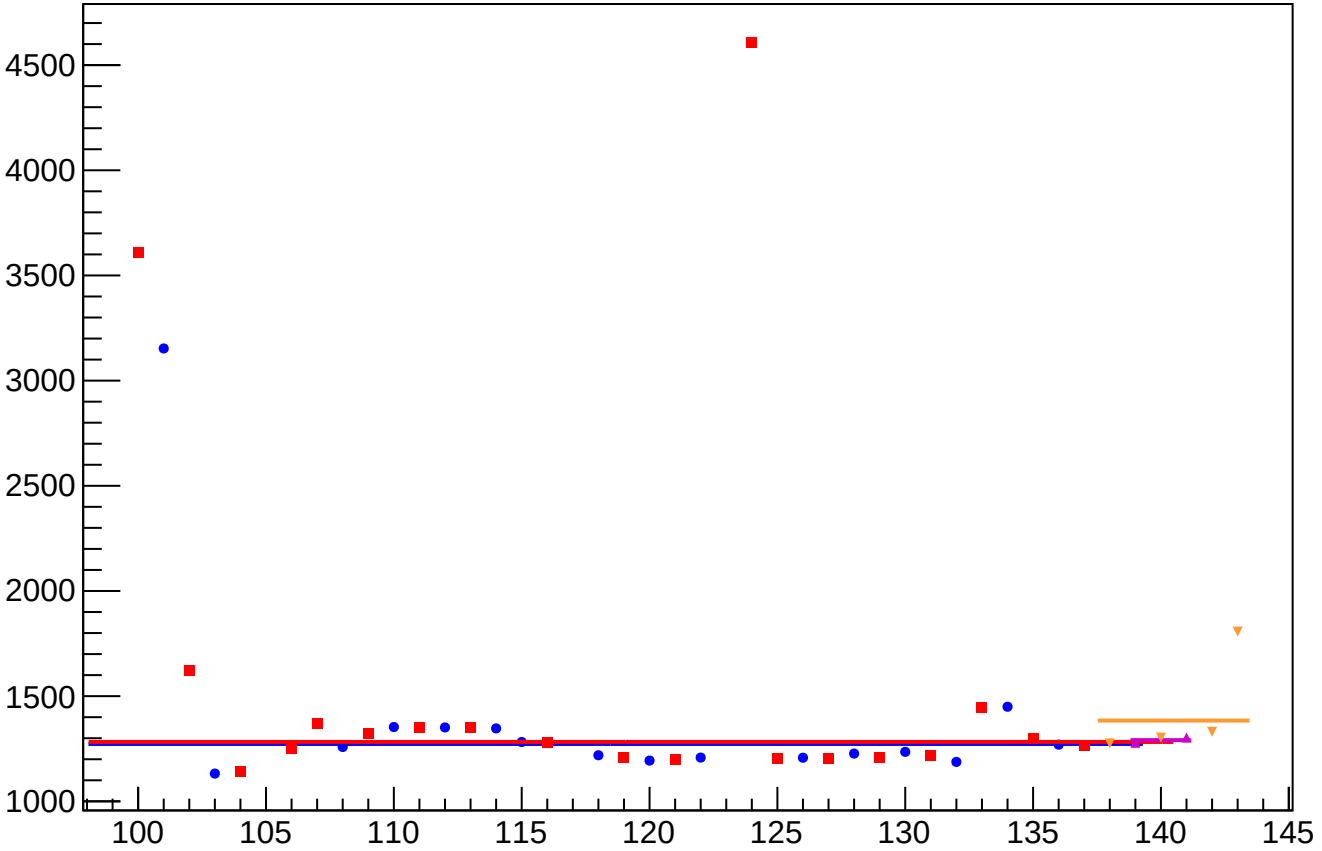
Left In: 483.916+/-981.051 χ^2/NDF:0.0/1

\+ sign 299.865+/-416.218 χ^2/NDF: 28.7/19

All: 382.774+/-299.579 χ^2/NDF: 45.7/40

\- sign 471.896+/-431.533 χ^2/NDF: 16.9/20

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

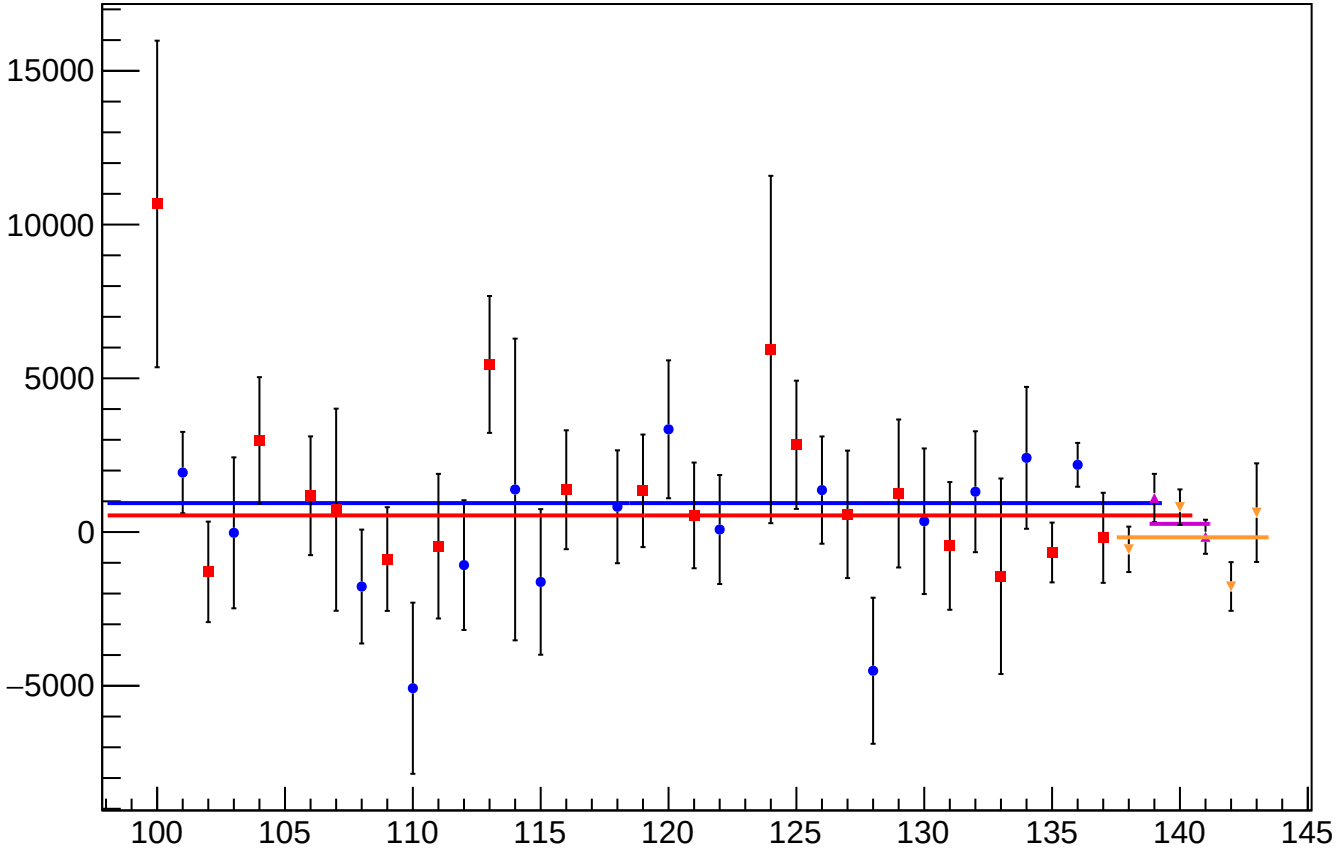
Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

+ sign 1301.230+/-0.294 χ^2/NDF: 655124.4/19

All: 1292.934+/-0.212 χ^2/NDF: 979290.6/40

- sign 1284.017+/-0.305 χ^2/NDF: 322517.6/20

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: -171.429+/-382.665 χ^2/NDF:7.5/3

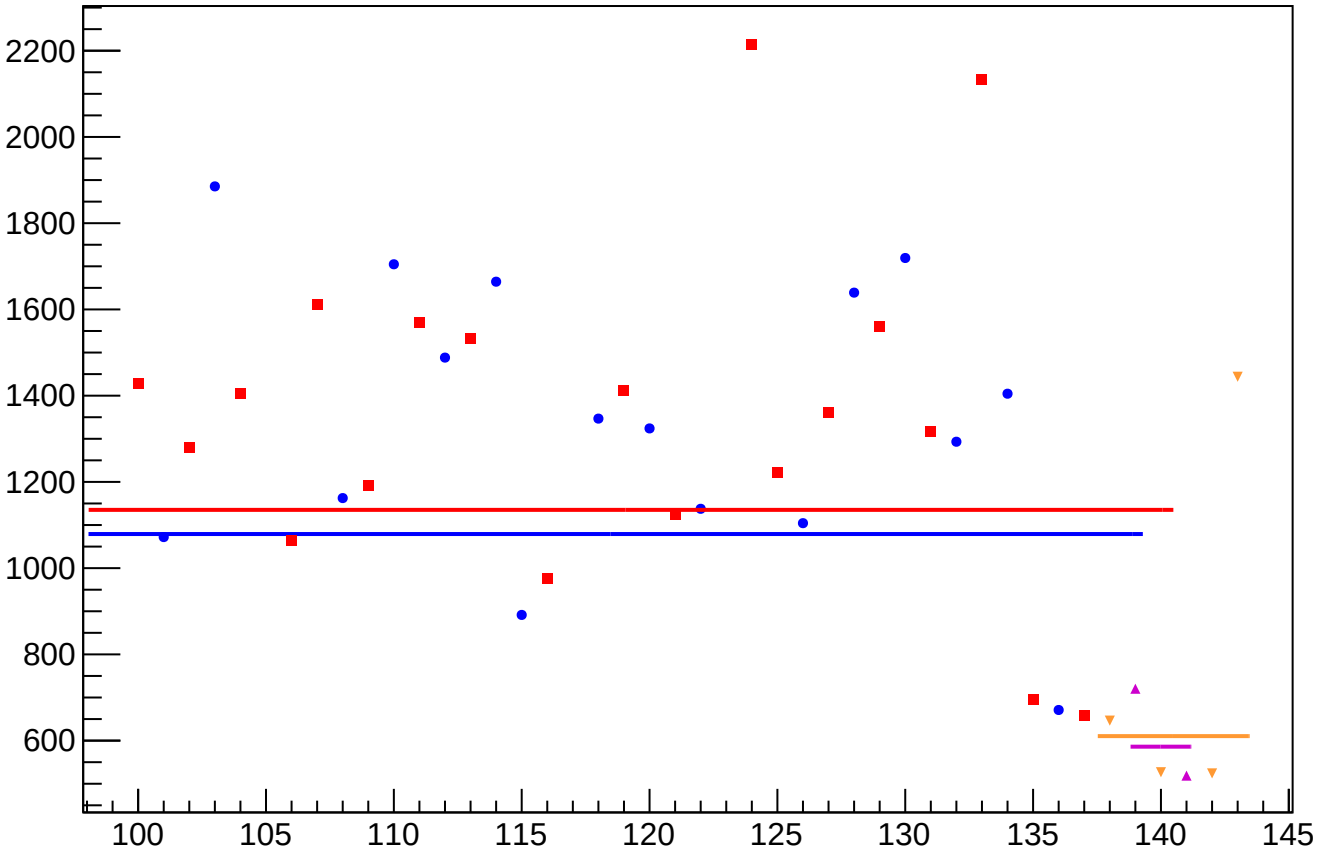
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 266.801+/-452.548 χ^2/NDF:1.7/1

+ sign 325.892+/-284.628 χ^2/NDF: 31.2/19

All: 362.558+/-211.317 χ^2/NDF: 50.3/40

- sign 407.590+/-315.435 χ^2/NDF: 19.1/20



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 610.439+/-0.271 χ^2/NDF:611061.6/3

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

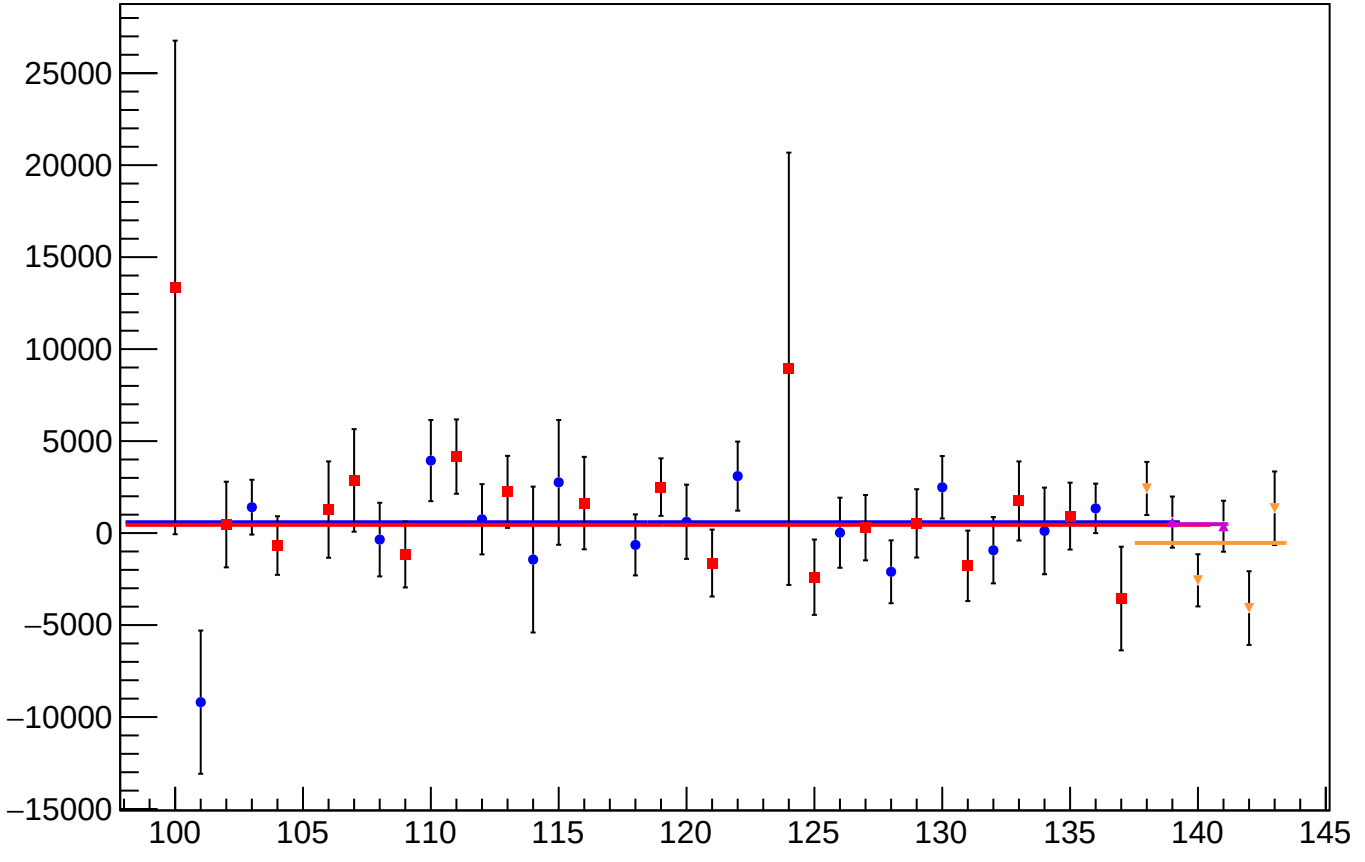
Left In: 585.978+/-0.320 χ^2/NDF:88146.9/1

\+ sign 819.824+/-0.201 χ^2/NDF: 3433638.0/19

All: 841.601+/-0.149 χ^2/NDF: 6355336.7/40

\- sign 868.348+/-0.223 χ^2/NDF: 2895610.4/20

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

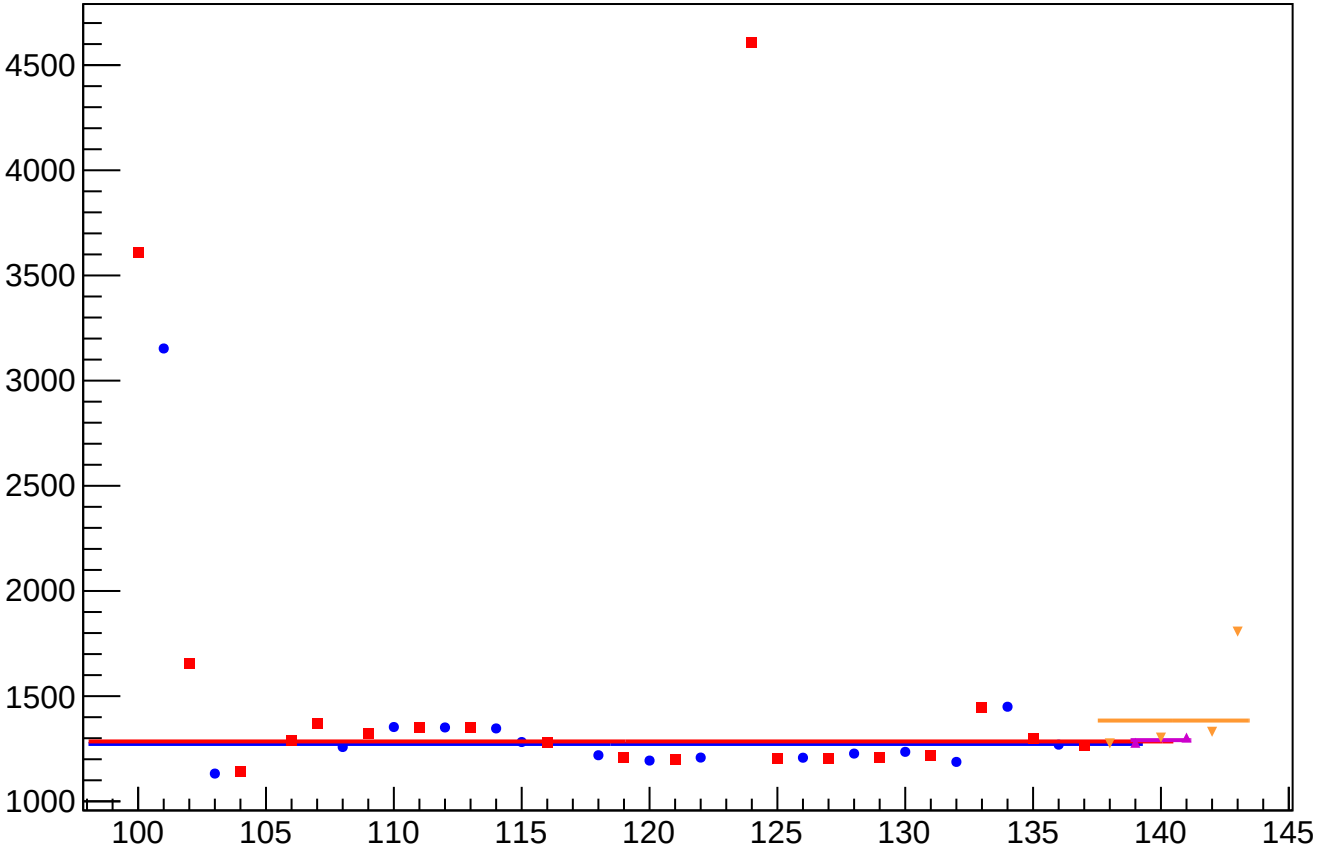
Left In: 483.795+/-981.051 χ^2/NDF:0.0/1

\+ sign 300.059+/-416.218 χ^2/NDF: 28.7/19

All: 374.759+/-299.776 χ^2/NDF: 45.6/40

\- sign 455.277+/-432.125 χ^2/NDF: 16.8/20

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

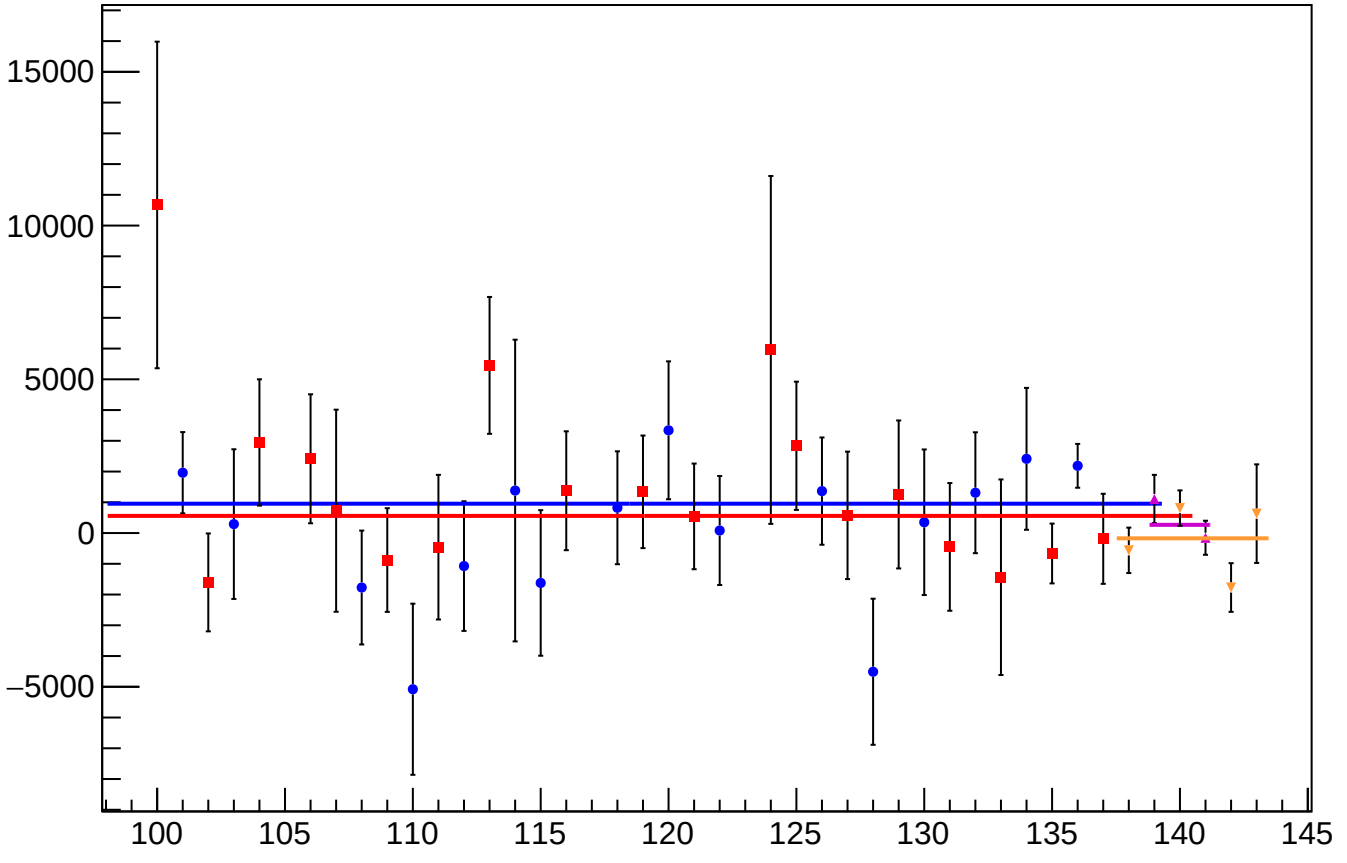
Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

+ sign 1301.230+/-0.294 χ^2/NDF: 655126.0/19

All: 1293.836+/-0.212 χ^2/NDF: 985554.5/40

- sign 1285.866+/-0.306 χ^2/NDF: 329117.1/20

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

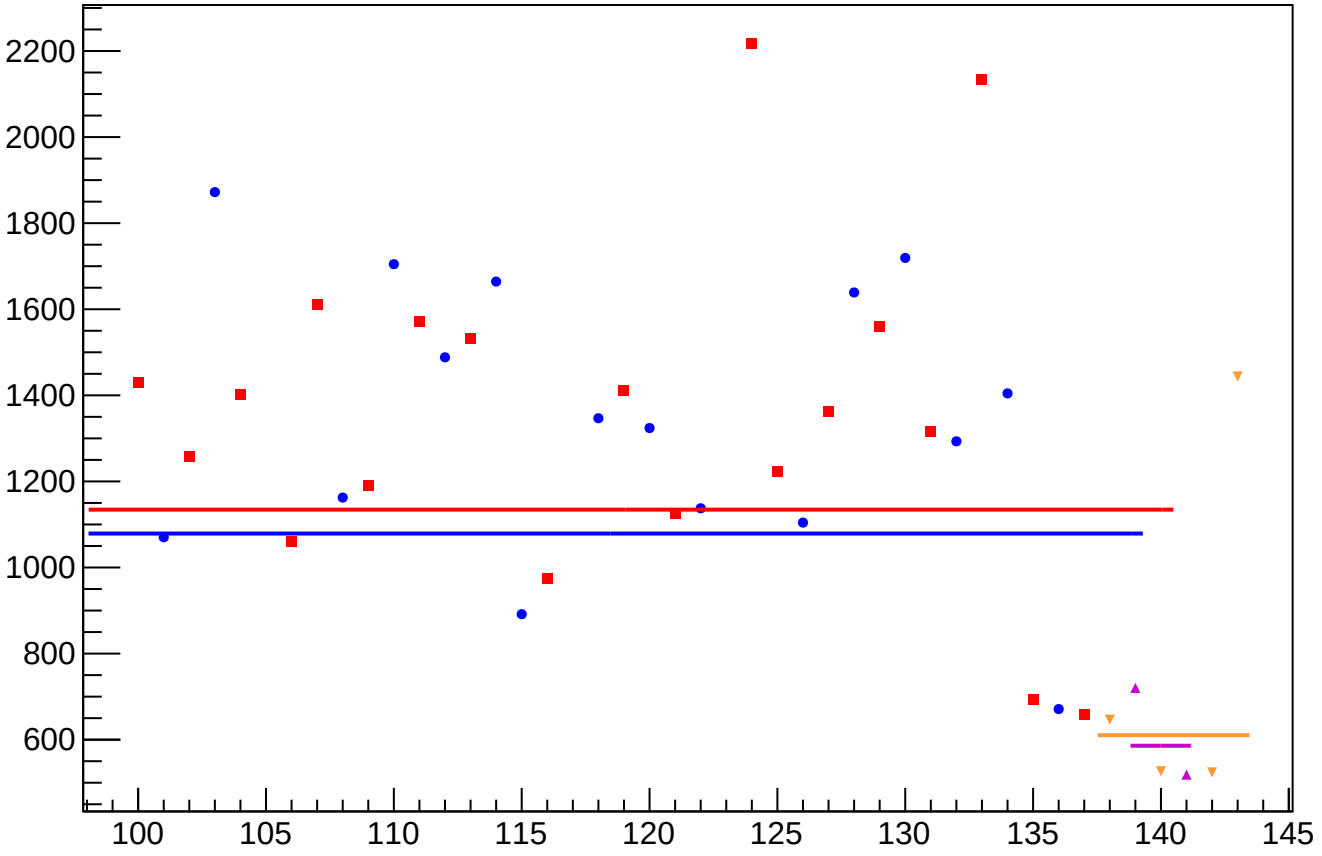
Left In: 266.941+/-452.536 χ^2/NDF:1.7/1

+ sign 331.697+/-284.580 χ^2/NDF: 31.2/19

All: 369.607+/-211.390 χ^2/NDF: 51.6/40

- sign 416.274+/-315.745 χ^2/NDF: 20.3/20

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

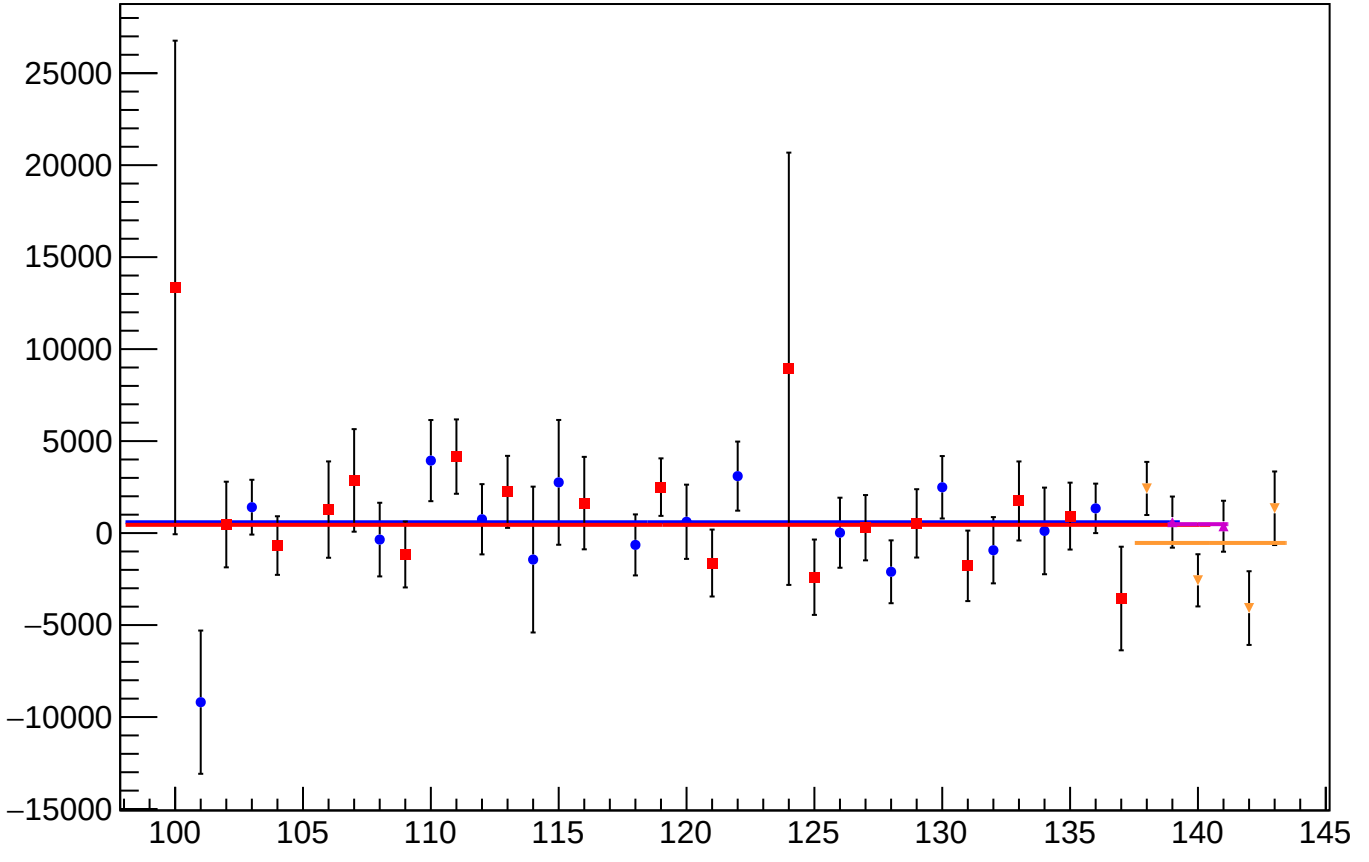
Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

+ sign 819.856+/-0.201 χ^2/NDF: 3429439.2/19

All: 841.178+/-0.149 χ^2/NDF: 6339187.4/40

- sign 867.424+/-0.223 χ^2/NDF: 2884701.7/20

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: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

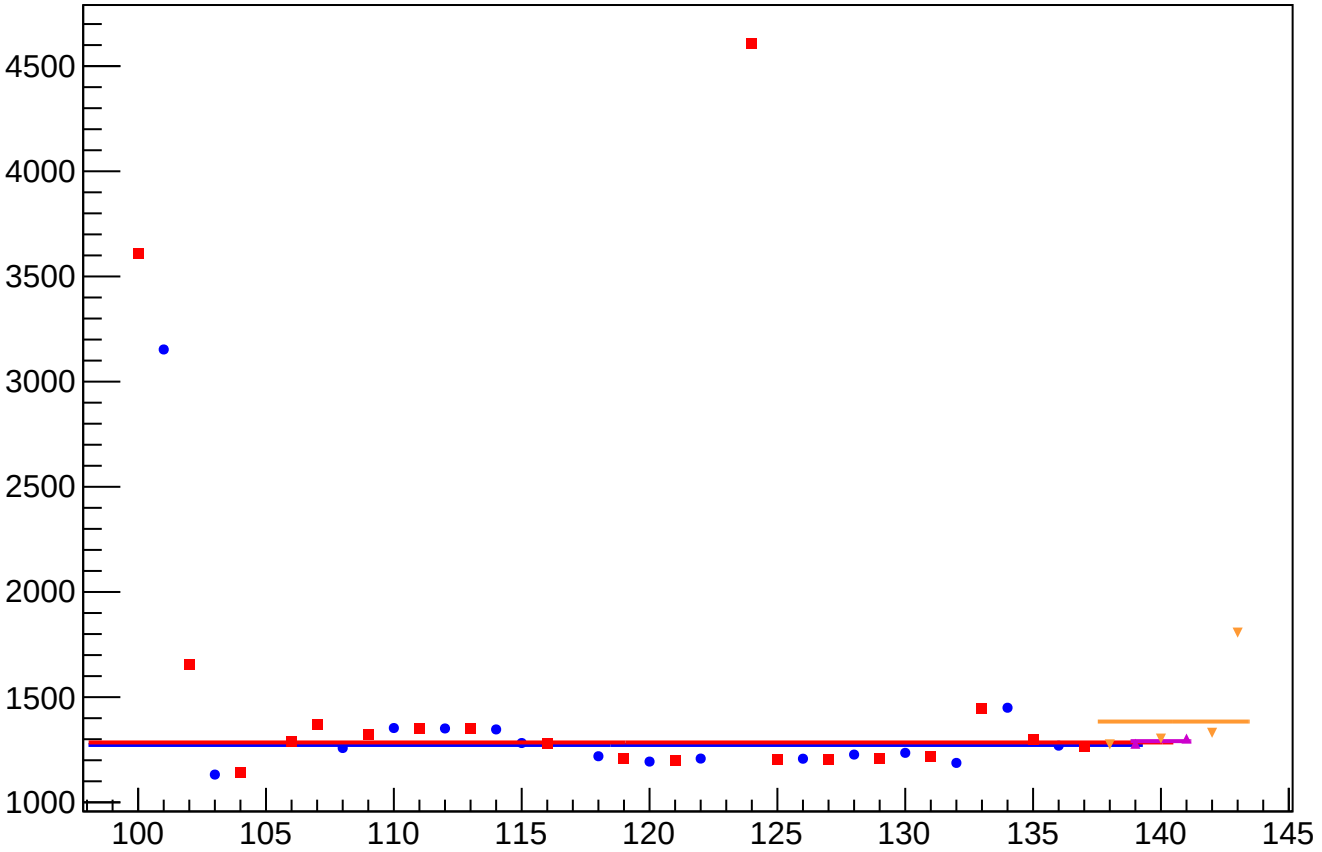
Left In: 483.795+/-981.051 χ^2/NDF:0.0/1

+ sign 300.059+/-416.218 χ^2/NDF: 28.7/19

All: 374.759+/-299.776 χ^2/NDF: 45.6/40

- sign 455.277+/-432.125 χ^2/NDF: 16.8/20

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: 1383.986+/-0.582 χ^2/NDF:108668.2/3

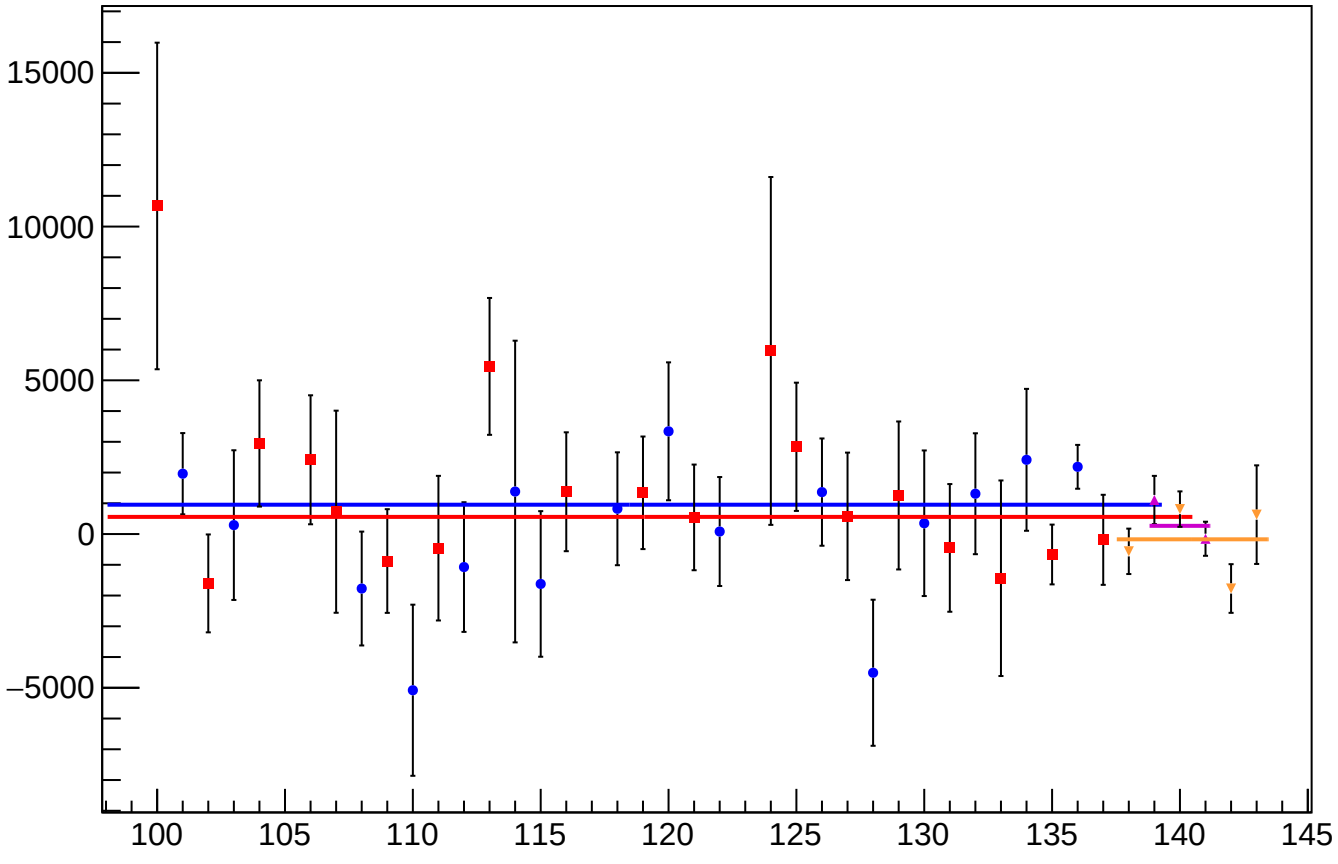
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

+ sign 1301.230+/-0.294 χ^2/NDF: 655126.0/19

All: 1293.836+/-0.212 χ^2/NDF: 985554.5/40

- sign 1285.866+/-0.306 χ^2/NDF: 329117.1/20



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

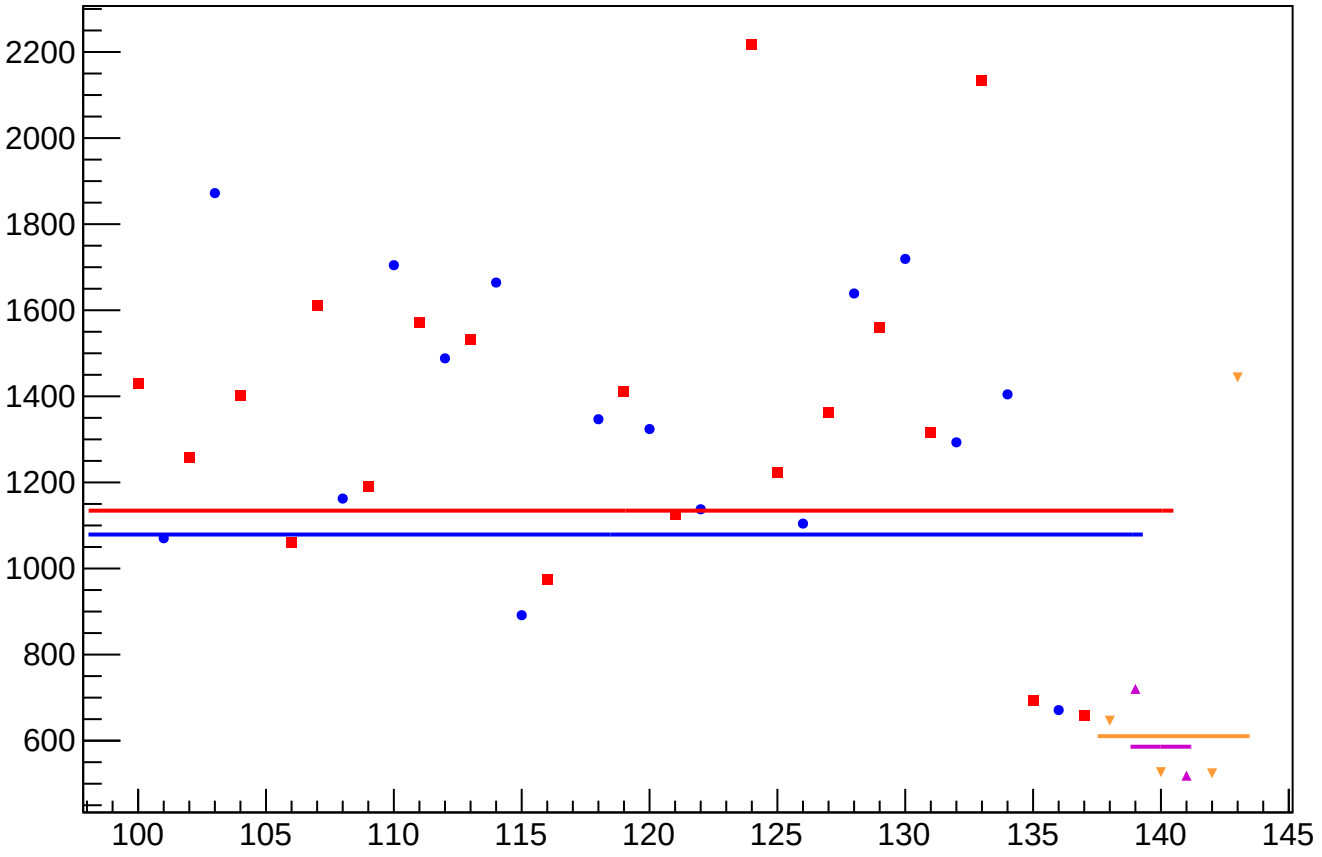
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 266.941+/-452.536 χ^2/NDF:1.7/1

+ sign 331.697+/-284.580 χ^2/NDF: 31.2/19

All: 369.607+/-211.390 χ^2/NDF: 51.6/40

- sign 416.274+/-315.745 χ^2/NDF: 20.3/20



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

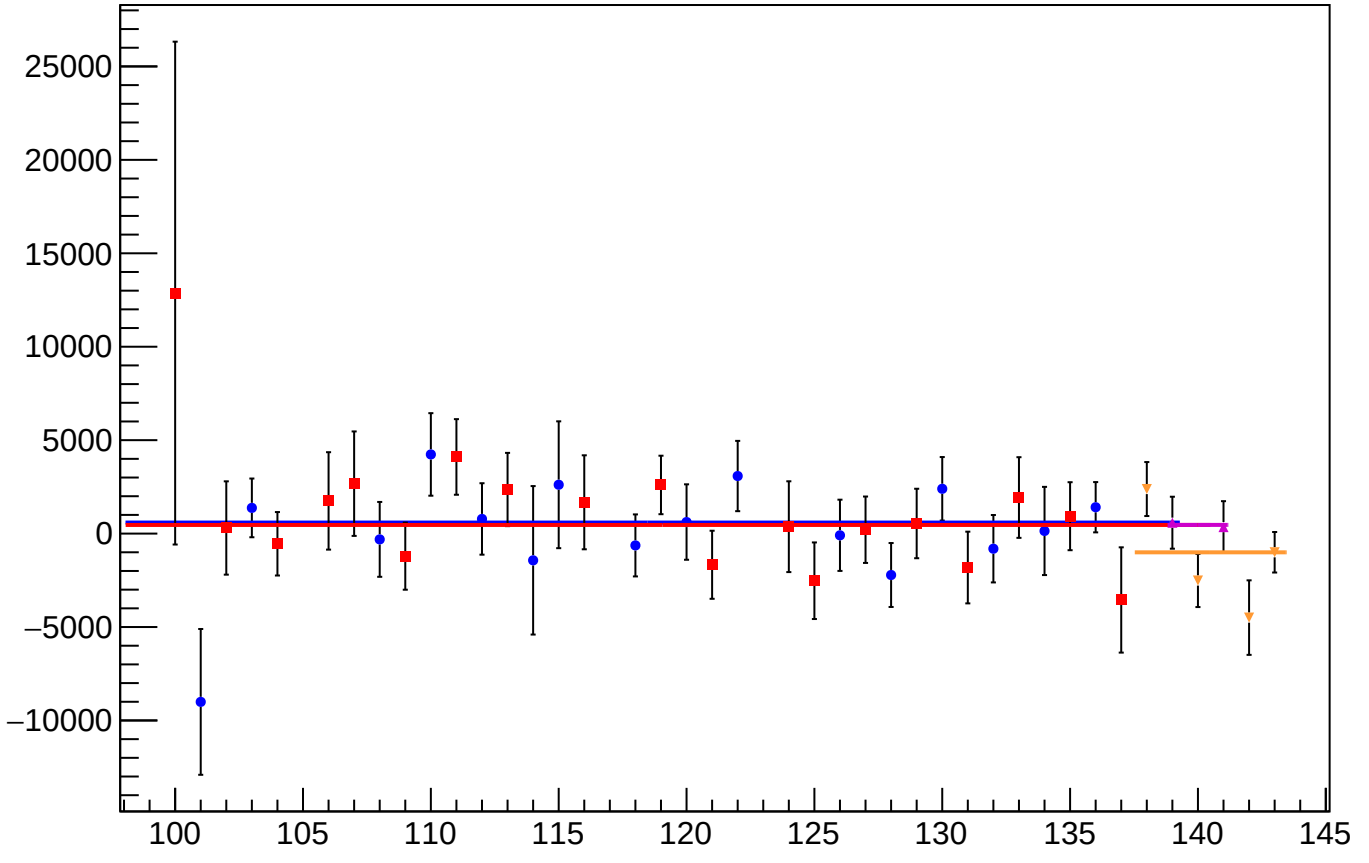
Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

\+ sign 819.856+/-0.201 χ^2/NDF: 3429439.2/19

All: 841.178+/-0.149 χ^2/NDF: 6339187.4/40

\- sign 867.424+/-0.223 χ^2/NDF: 2884701.7/20

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

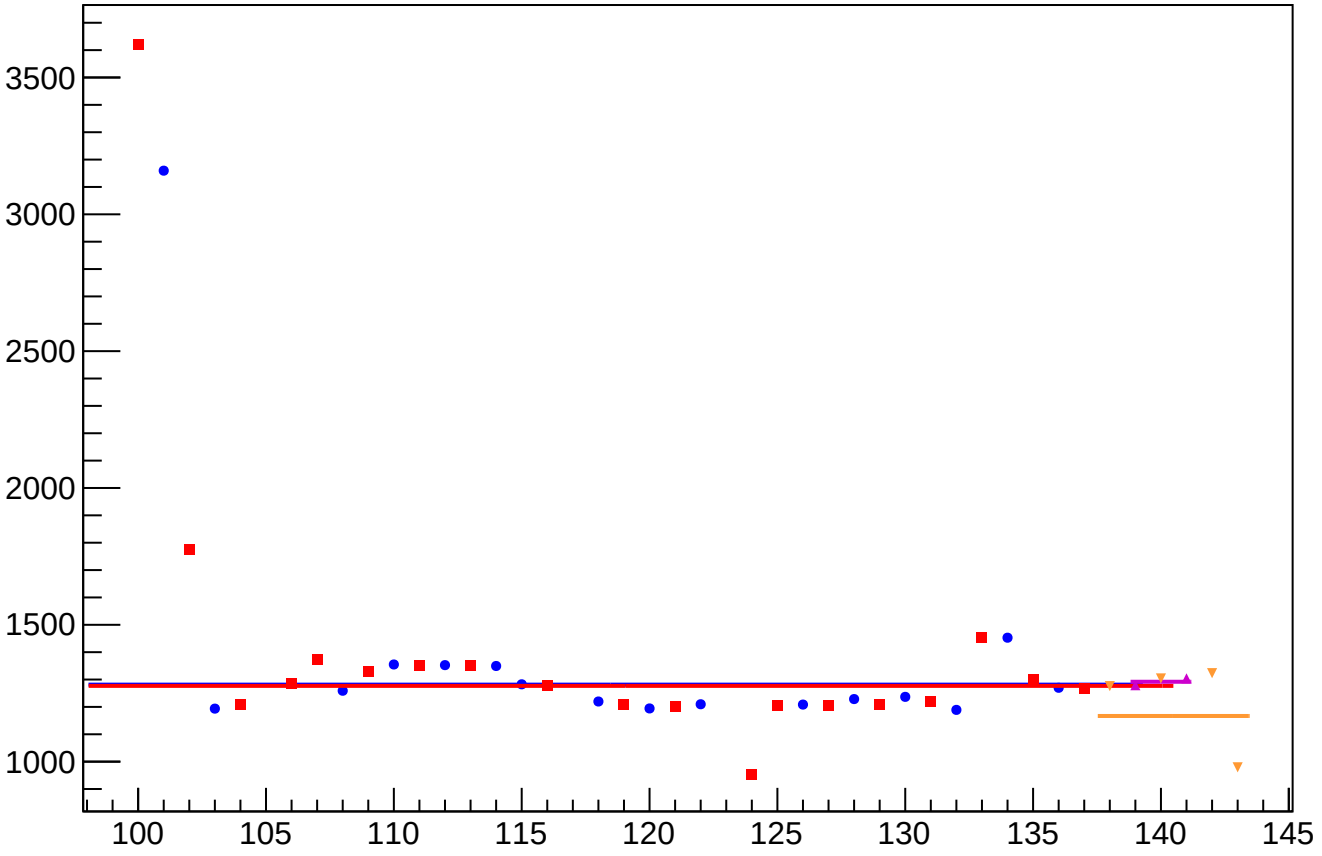
Left In: 465.013+/-981.815 χ^2/NDF:0.0/1

+ sign 66.646+/-397.757 χ^2/NDF: 30.3/19

All: 249.944+/-291.644 χ^2/NDF: 47.5/40

- sign 463.065+/-428.896 χ^2/NDF: 16.7/20

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.8/3

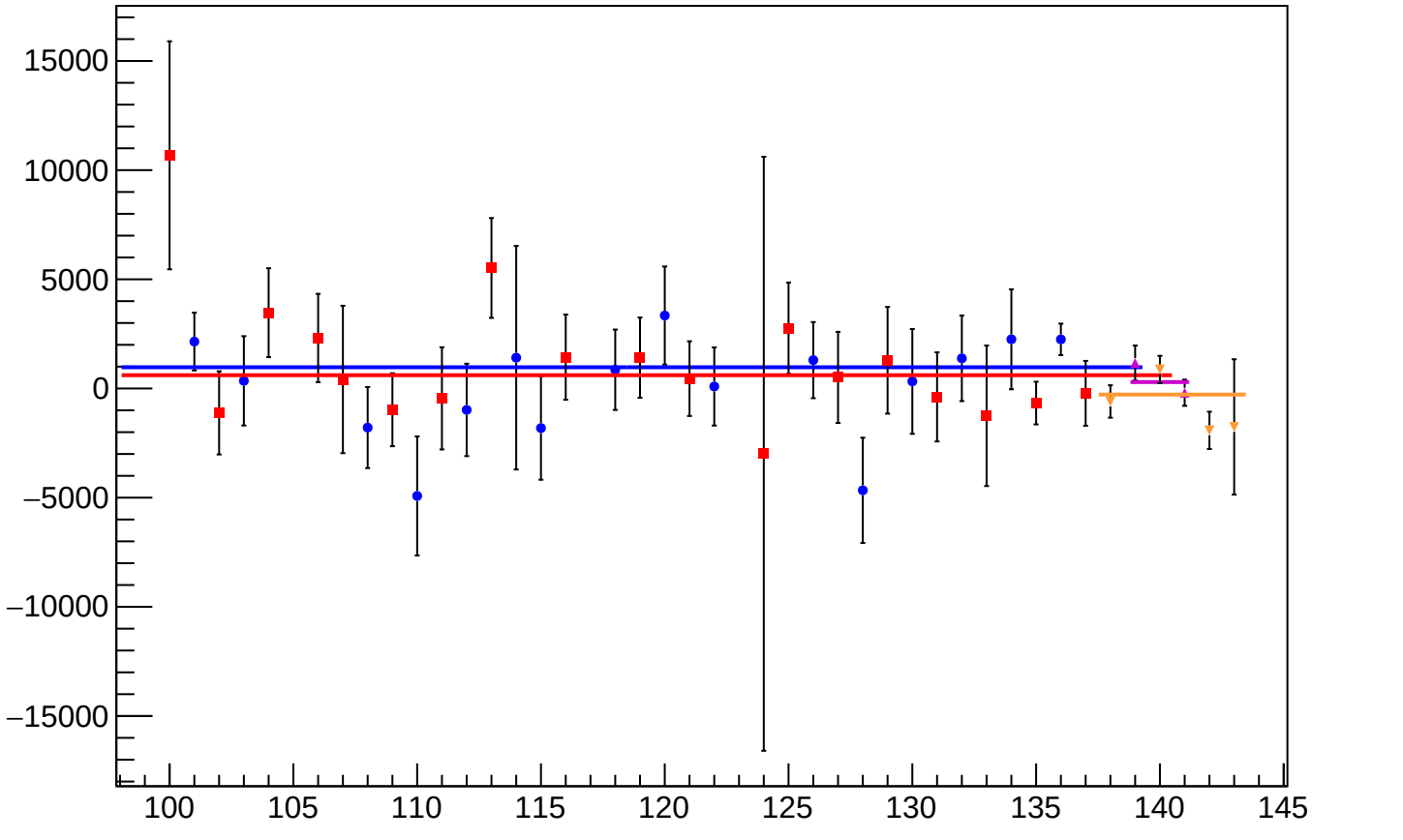
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1291.897+/-0.694 χ^2/NDF:329.8/1

\+ sign 1243.722+/-0.281 χ^2/NDF: 645961.1/19

All: 1260.371+/-0.206 χ^2/NDF: 874762.9/40

\- sign 1279.730+/-0.303 χ^2/NDF: 221223.0/20



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -277.522+/-412.482 χ^2/NDF:7.5/3

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

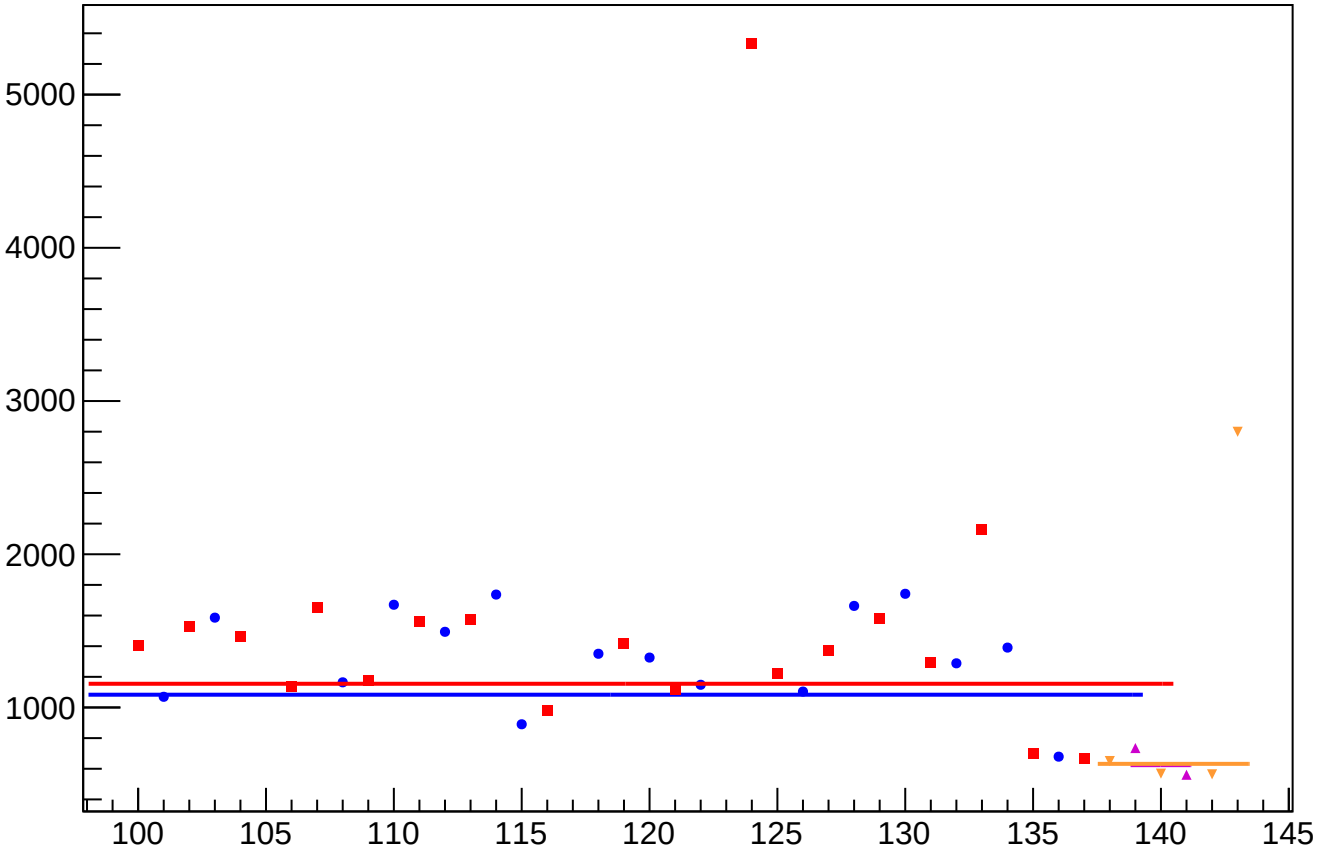
Left In: 294.204+/-479.501 χ^2/NDF:1.9/1

\+ sign 328.385+/-296.069 χ^2/NDF: 32.4/19

All: 388.557+/-219.551 χ^2/NDF: 51.7/40

\- sign 462.070+/-327.250 χ^2/NDF: 19.2/20

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: 632.036+/-0.292 χ^2/NDF:1013266.7/3

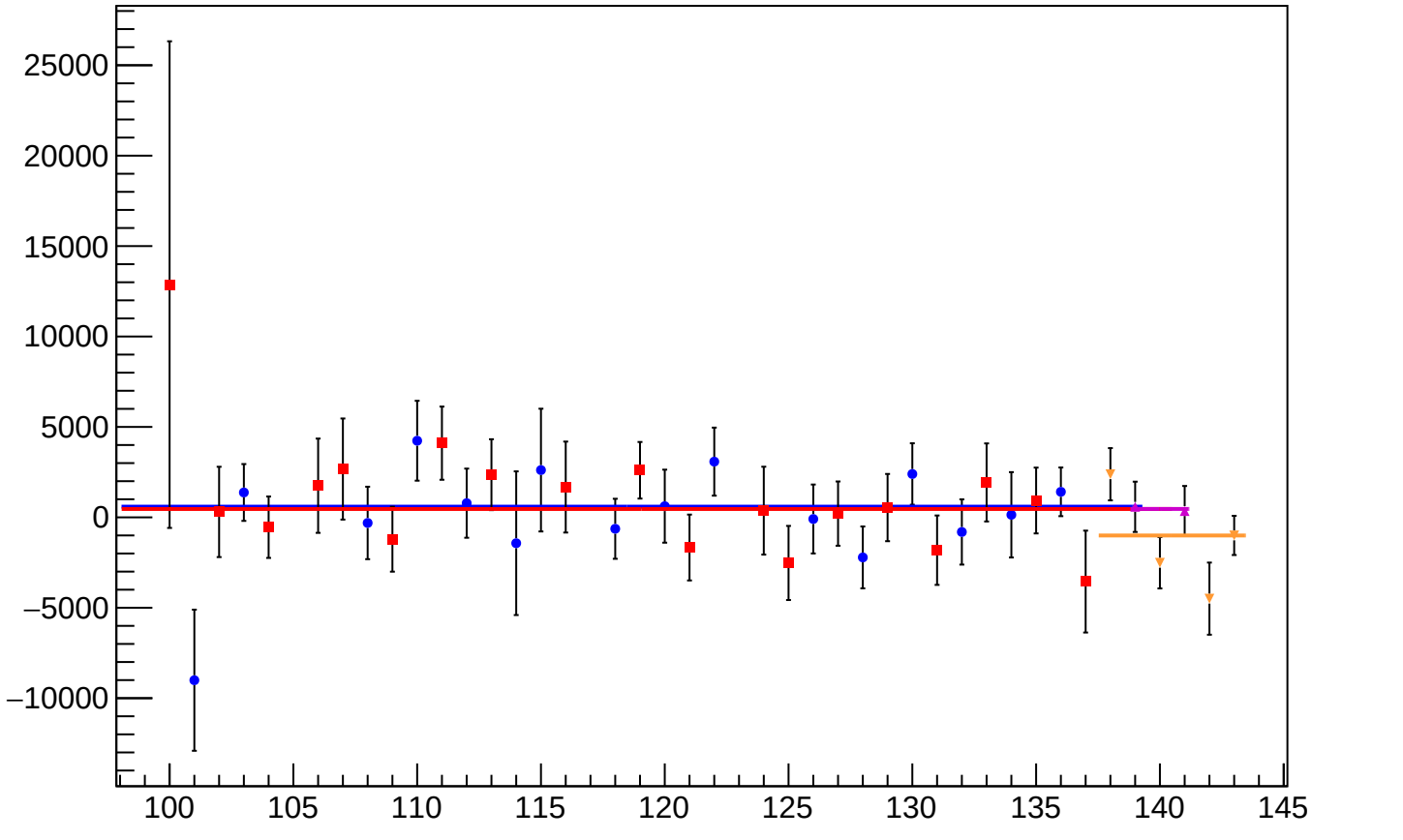
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 623.559+/-0.339 χ^2/NDF:60772.0/1

+ sign 850.825+/-0.209 χ^2/NDF: 3534093.9/19

All: 876.253+/-0.155 χ^2/NDF: 6427029.6/40

- sign 907.318+/-0.231 χ^2/NDF: 2860161.1/20



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

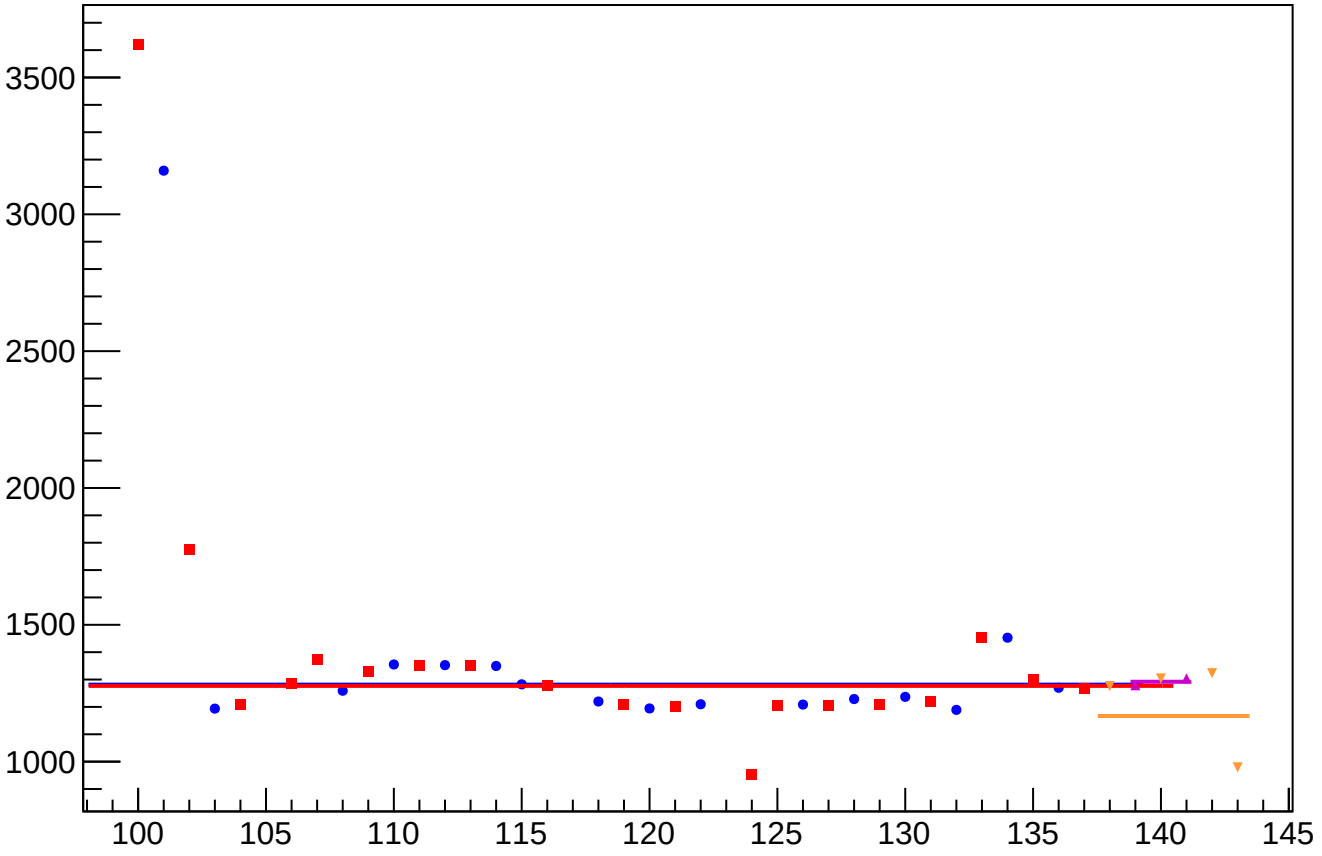
Left In: 465.021+/-981.815 χ^2/NDF:0.0/1

\+ sign 66.647+/-397.757 χ^2/NDF: 30.3/19

All: 249.945+/-291.644 χ^2/NDF: 47.5/40

\- sign 463.066+/-428.896 χ^2/NDF: 16.7/20

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: 1166.851+/-0.491 χ^2/NDF:102298.3/3

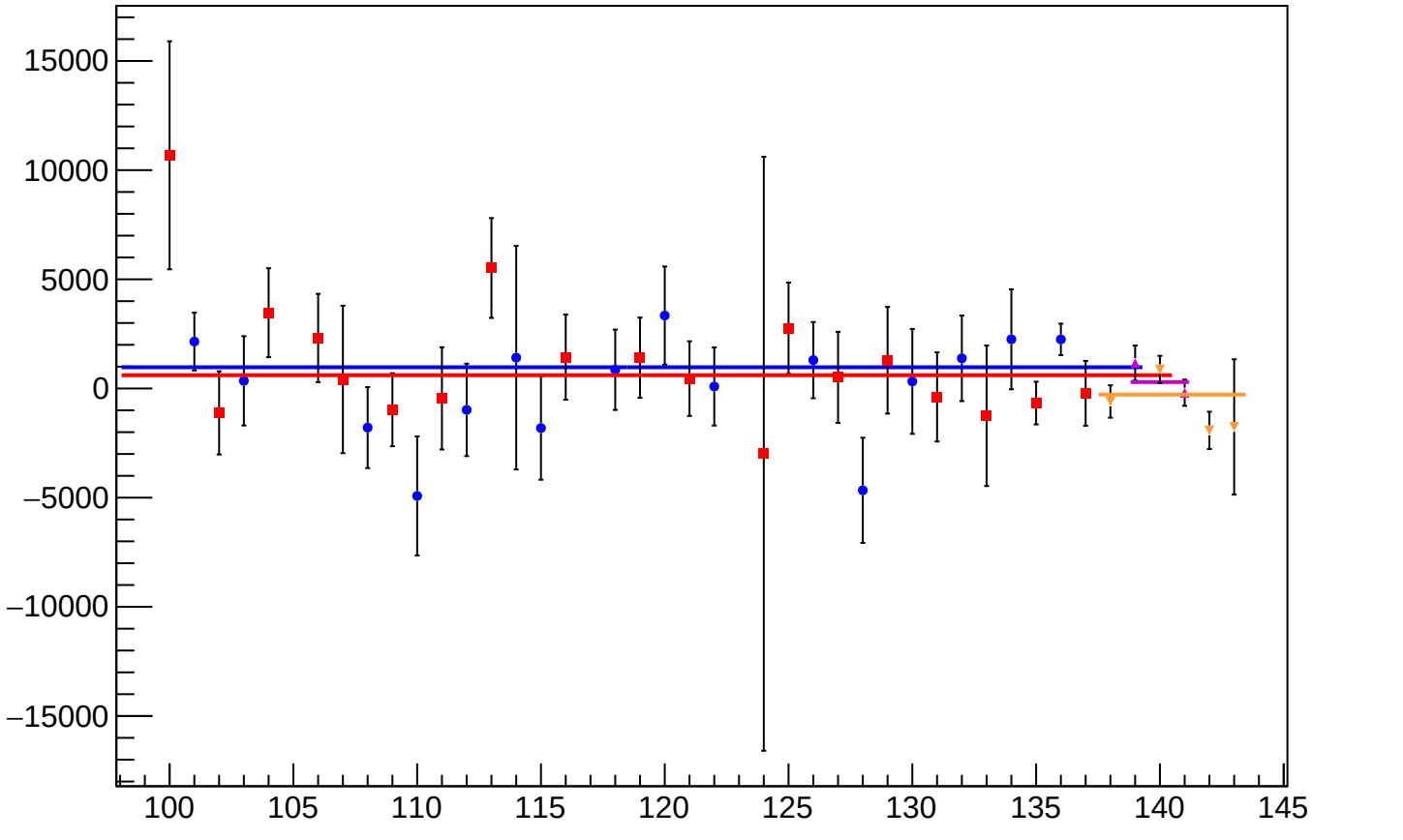
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1291.898+/-0.694 χ^2/NDF:329.8/1

+ sign 1243.722+/-0.281 χ^2/NDF: 645960.4/19

All: 1260.371+/-0.206 χ^2/NDF: 874762.0/40

- sign 1279.730+/-0.303 χ^2/NDF: 221222.9/20



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -277.526+/-412.486 χ^2/NDF:7.5/3

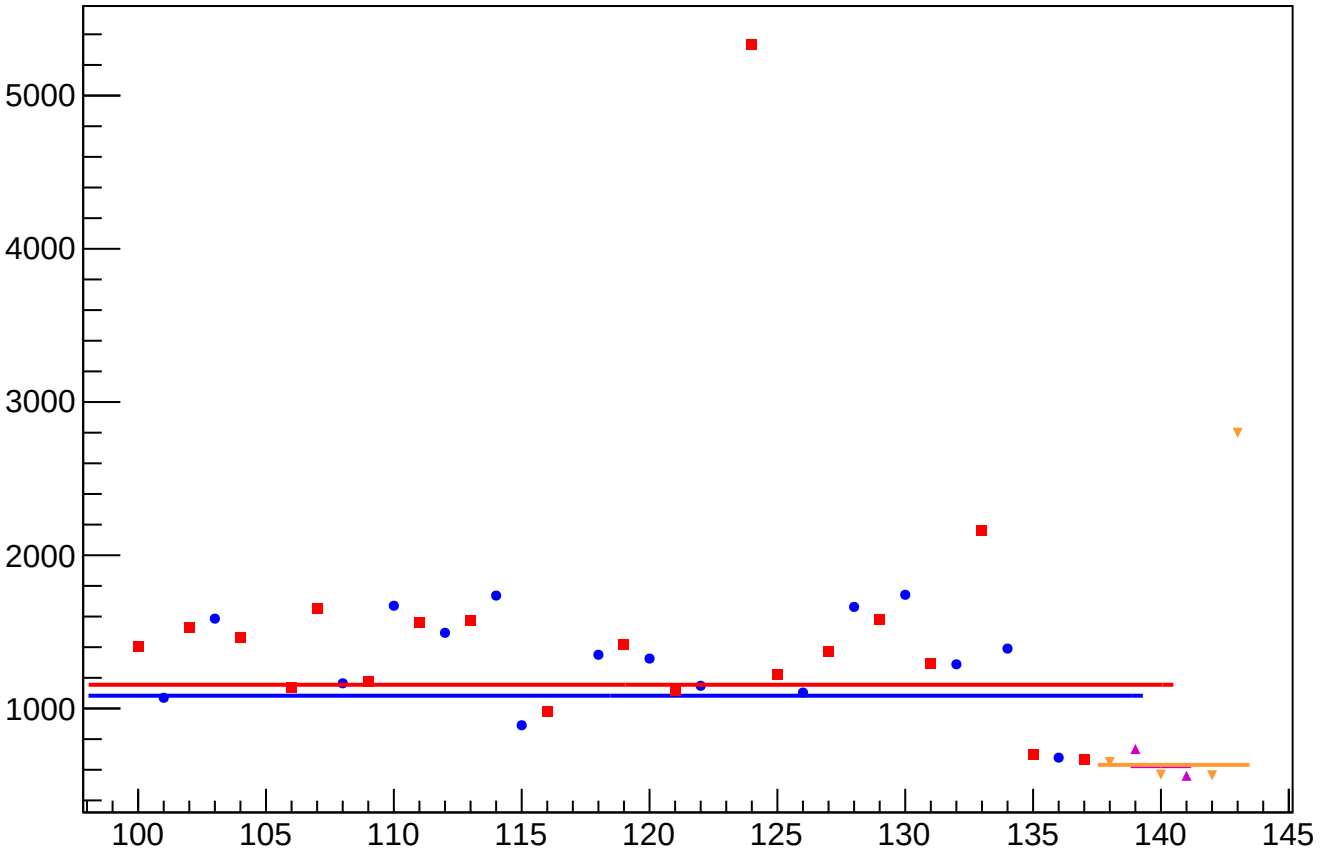
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 294.202+/-479.505 χ^2/NDF:1.9/1

\+ sign 328.383+/-296.071 χ^2/NDF: 32.4/19

All: 388.558+/-219.552 χ^2/NDF: 51.7/40

\- sign 462.075+/-327.252 χ^2/NDF: 19.2/20



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 632.041+/-0.292 χ^2/NDF:1013265.5/3

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

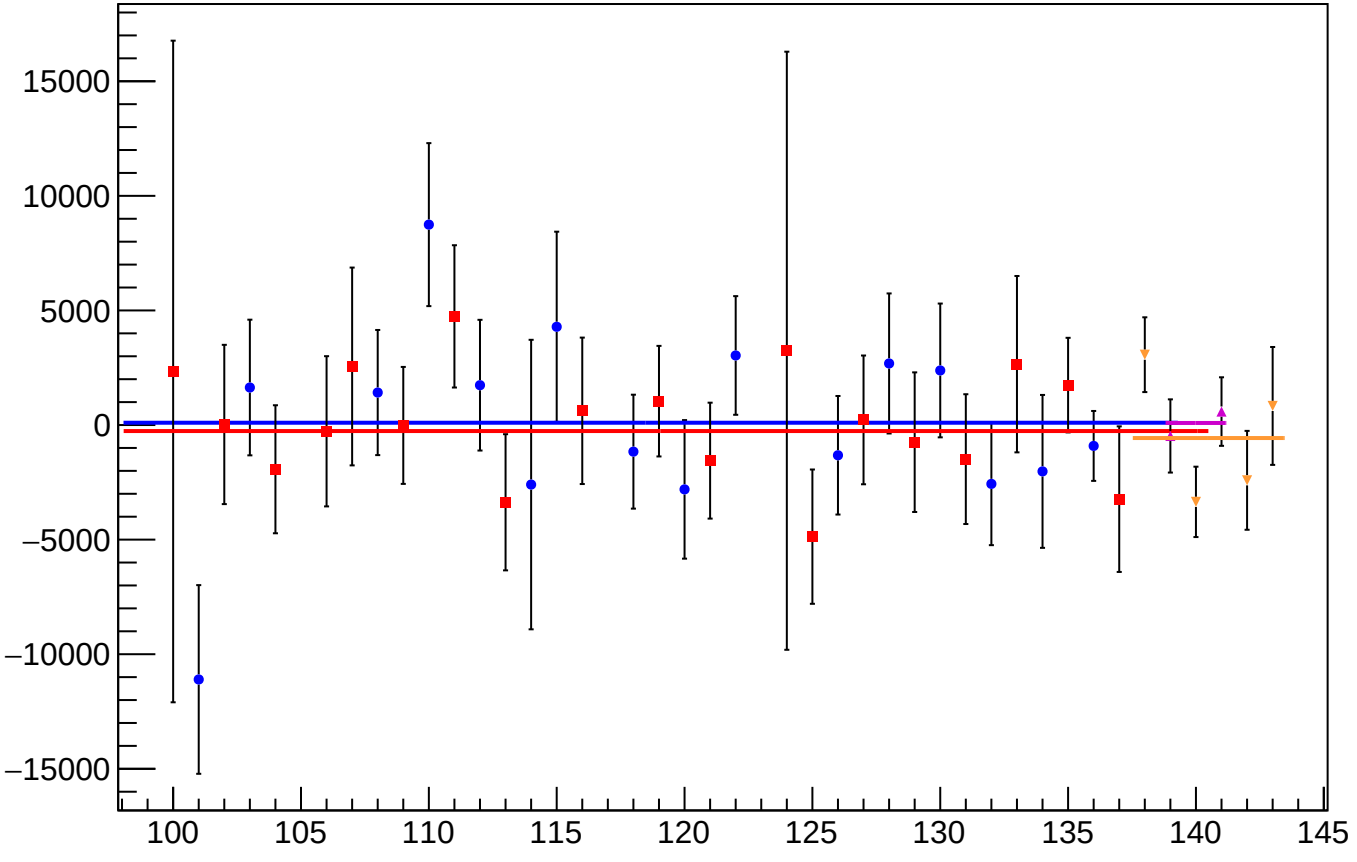
Left In: 623.564+/-0.339 χ^2/NDF:60777.2/1

+ sign 850.832+/-0.209 χ^2/NDF: 3534025.9/19

All: 876.260+/-0.155 χ^2/NDF: 6426907.6/40

- sign 907.325+/-0.231 χ^2/NDF: 2860107.2/20

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -567.595+/-926.083 χ^2/NDF:9.3/3

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

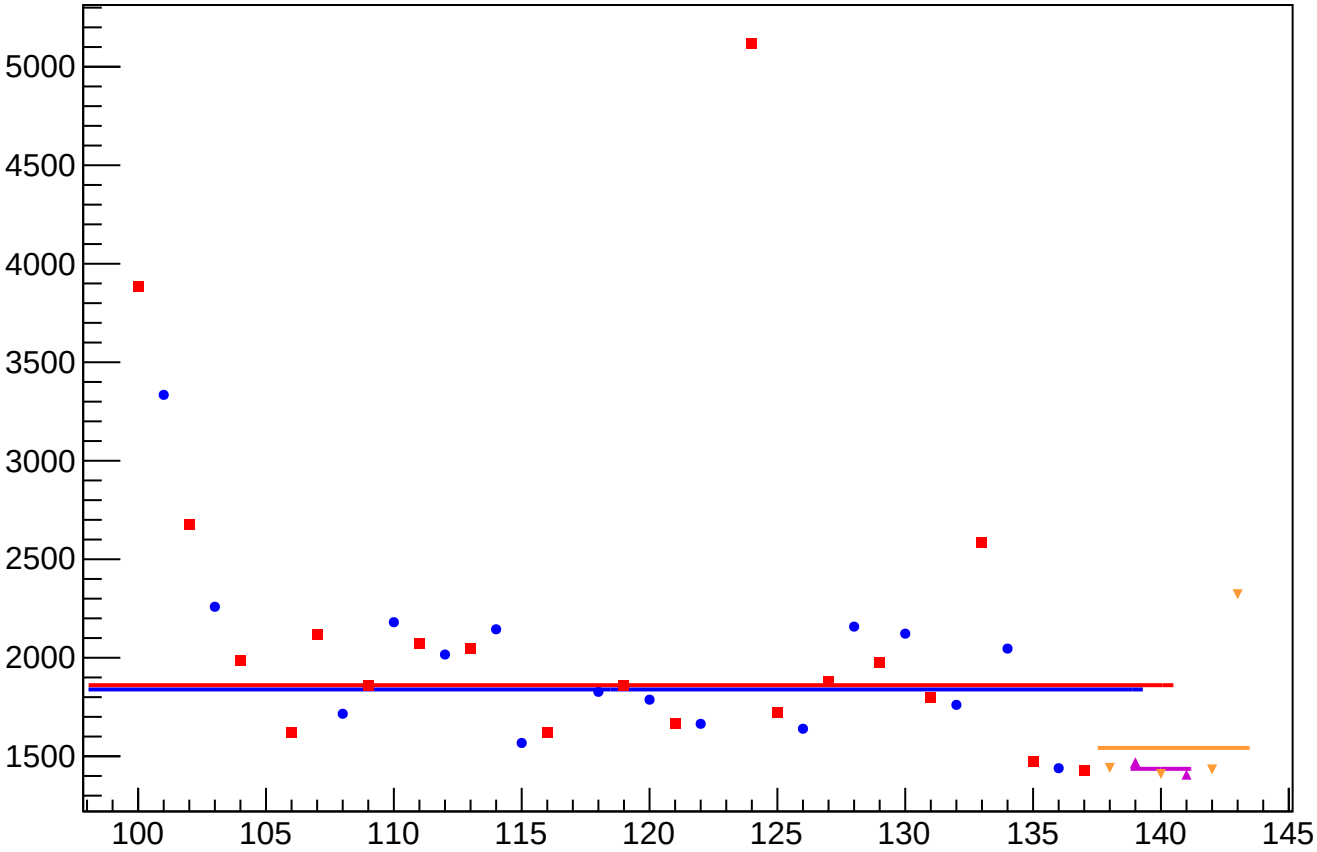
Left In: 90.169+/-1091.699 χ^2/NDF:0.2/1

+ sign -142.002+/-557.906 χ^2/NDF: 30.9/19

All: -150.497+/-405.079 χ^2/NDF: 41.6/40

- sign -159.970+/-589.104 χ^2/NDF: 10.6/20

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1542.343+/-0.655 χ^2/NDF:211774.6/3

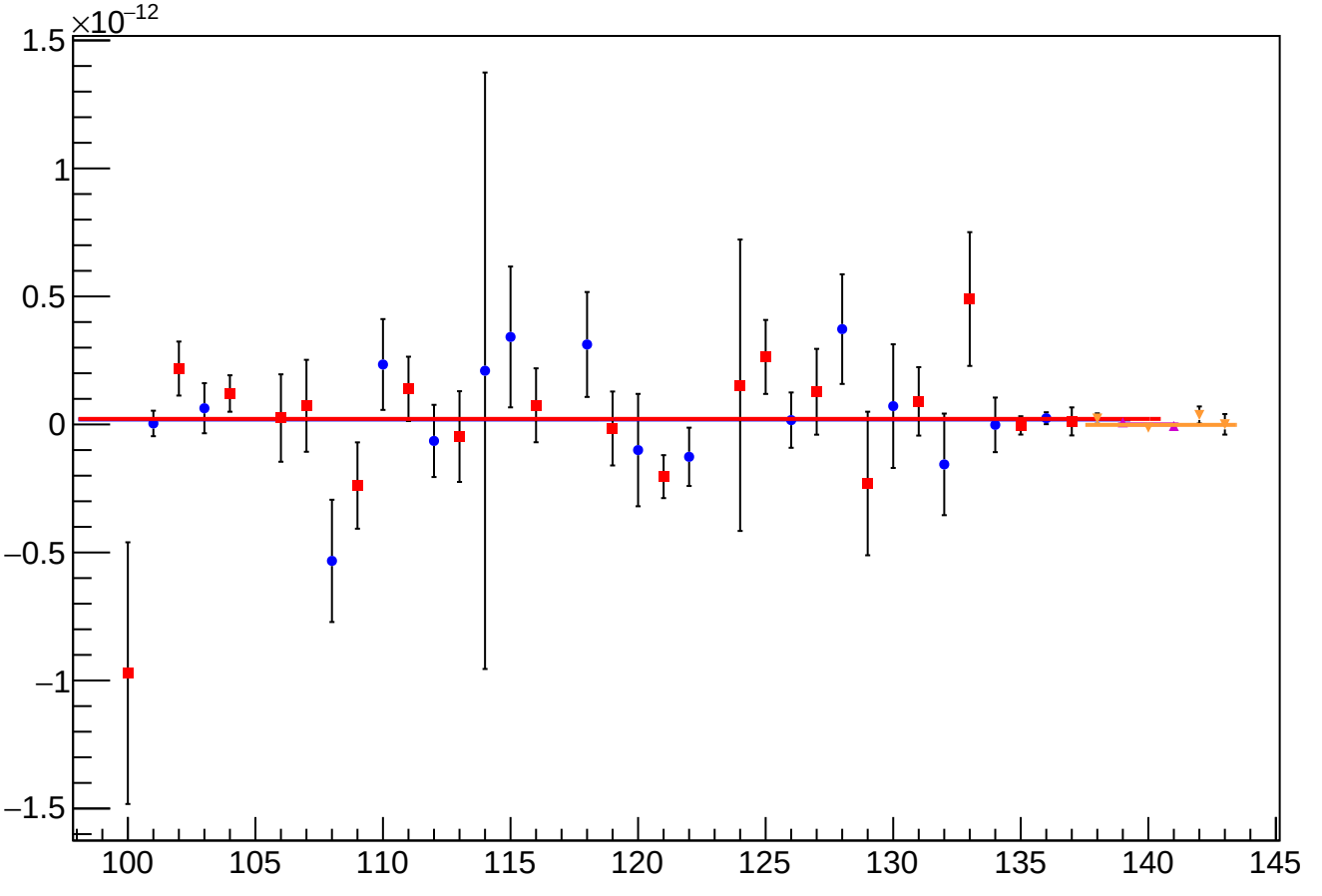
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1436.114+/-0.772 χ^2/NDF:1630.3/1

+ sign 1731.407+/-0.394 χ^2/NDF: 899345.9/19

All: 1734.101+/-0.286 χ^2/NDF: 1637674.1/40

- sign 1737.105+/-0.417 χ^2/NDF: 738229.7/20



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

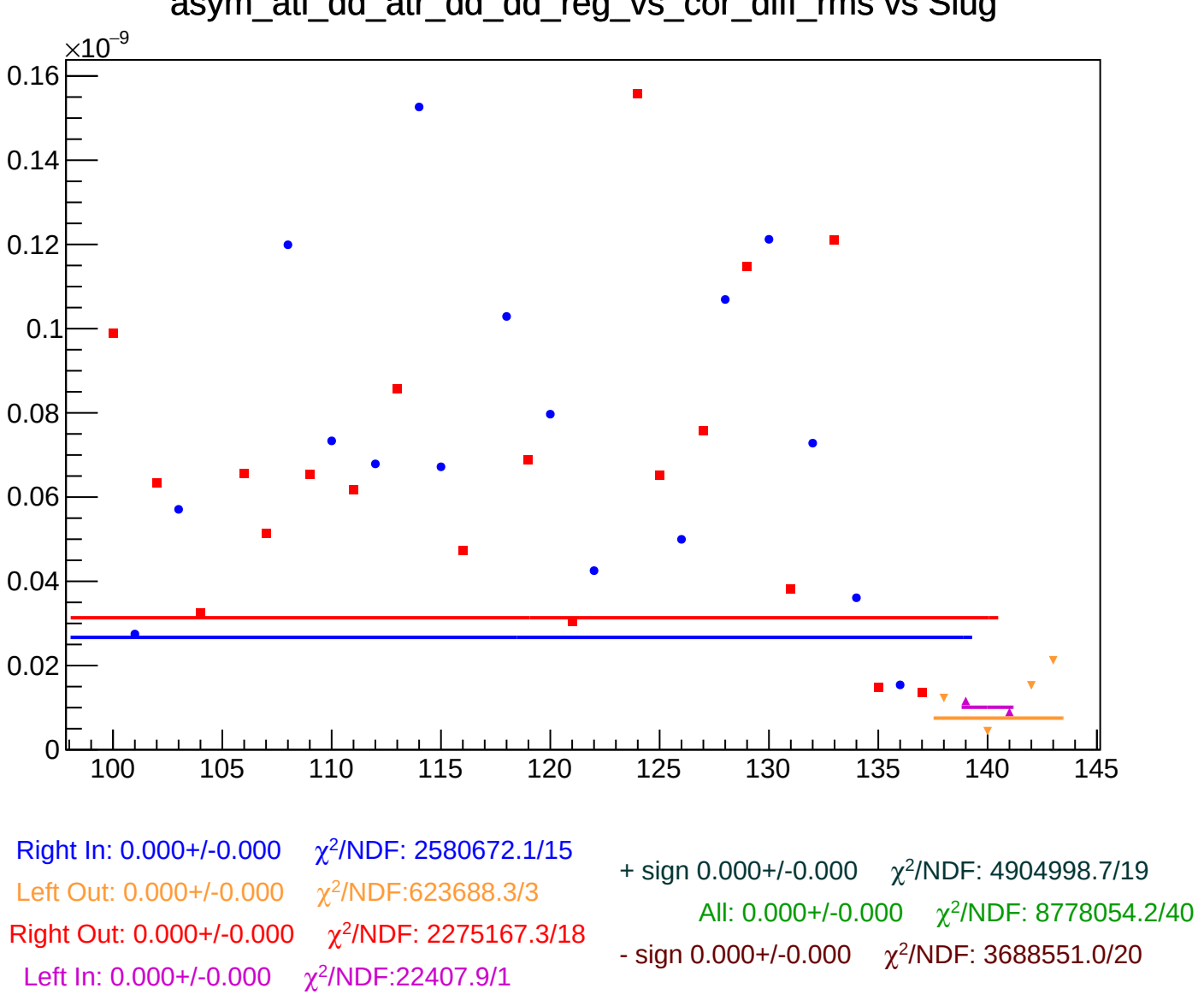
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

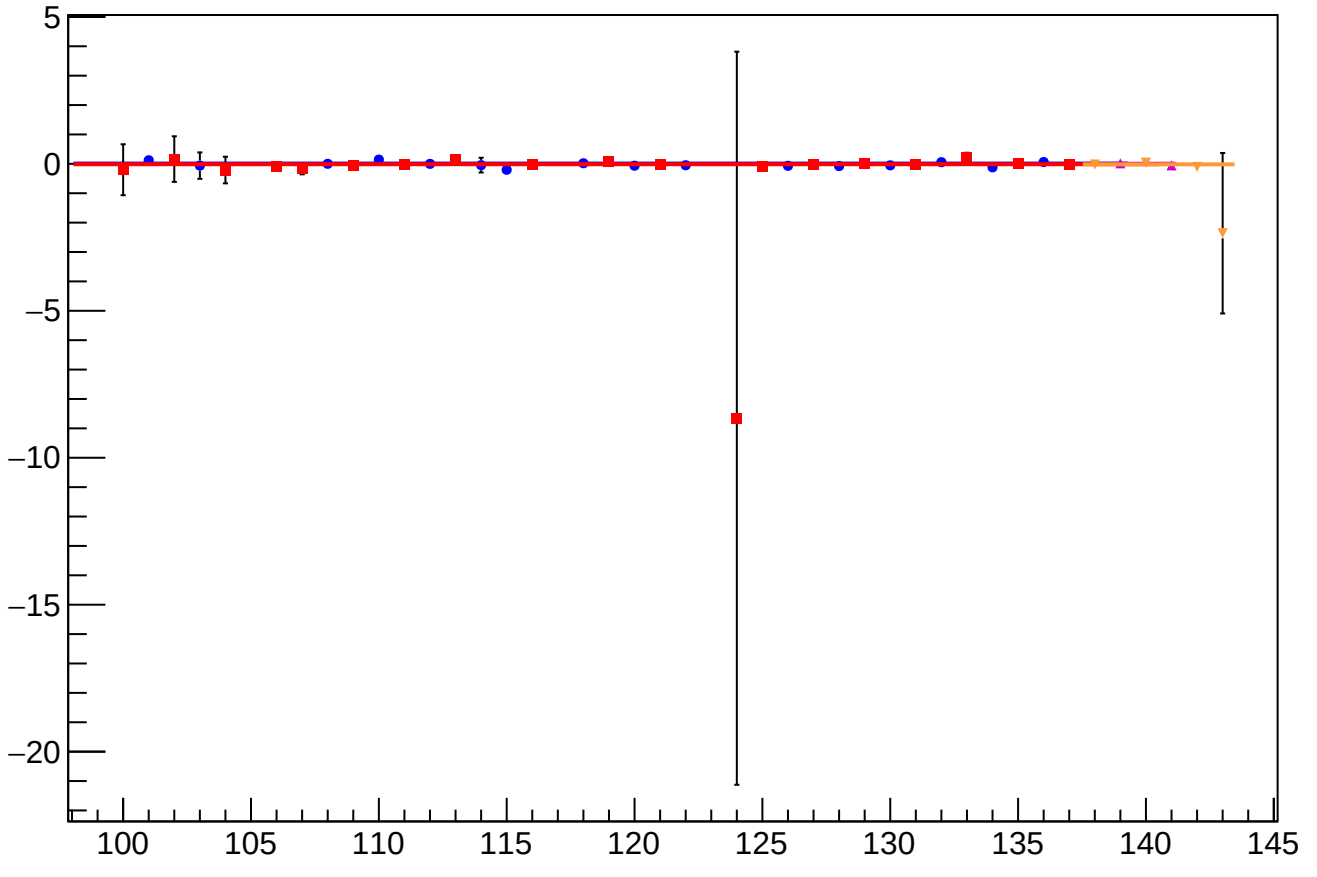
Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.4/19

All: 0.000+/-0.000 χ^2/NDF: 50.7/40

- sign 0.000+/-0.000 χ^2/NDF: 29.2/20


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:623688.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:22407.9/1
+ sign 0.000+/-0.000 χ²/NDF: 4904998.7/19
All: 0.000+/-0.000 χ²/NDF: 8778054.2/40
- sign 0.000+/-0.000 χ²/NDF: 3688551.0/20



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

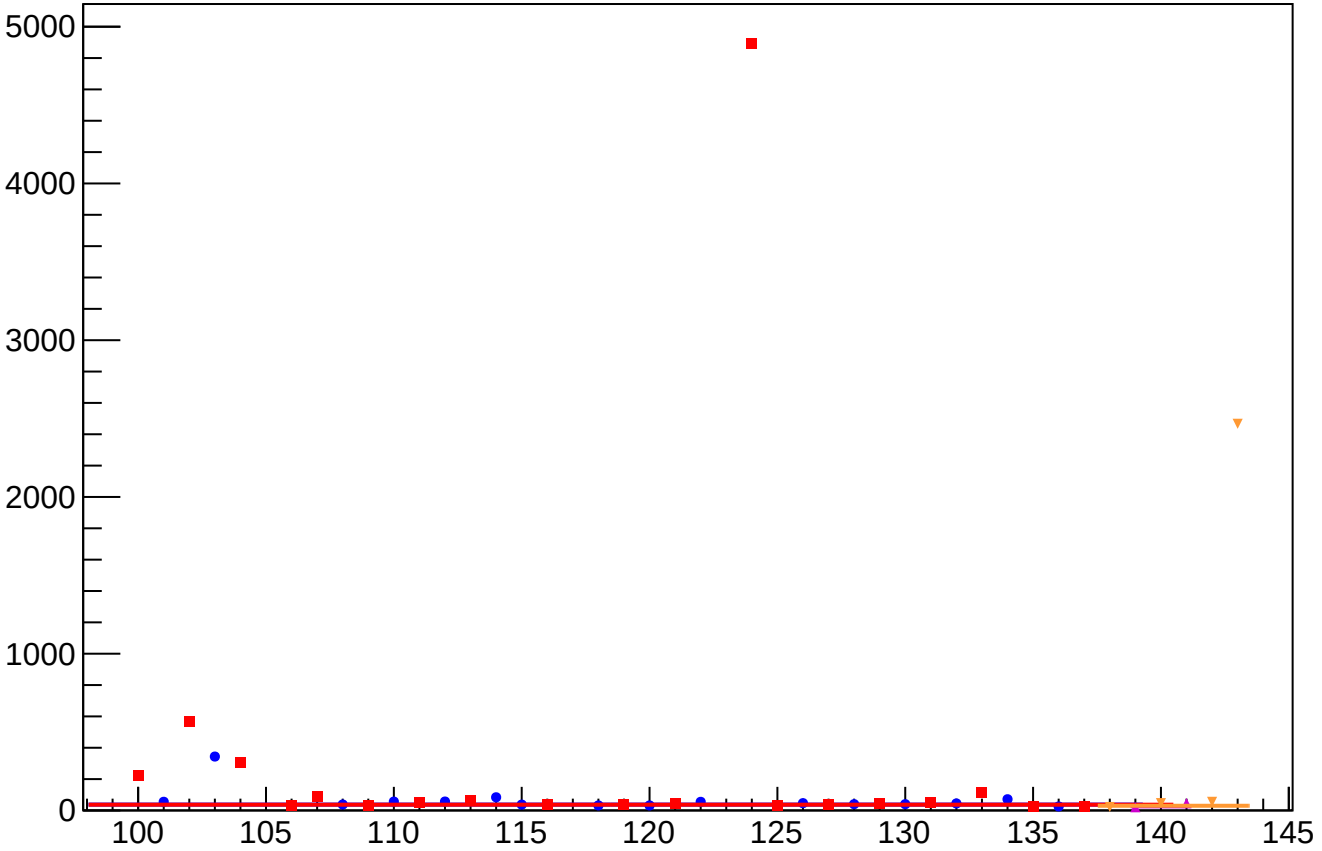
Left In: 0.003+/-0.024 χ^2/NDF:1.4/1

+ sign 0.001+/-0.013 χ^2/NDF: 23.0/19

All: -0.003+/-0.010 χ^2/NDF: 37.5/40

- sign -0.007+/-0.014 χ^2/NDF: 14.3/20

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: 29.972+/-0.017 χ^2/NDF:2124121.6/3

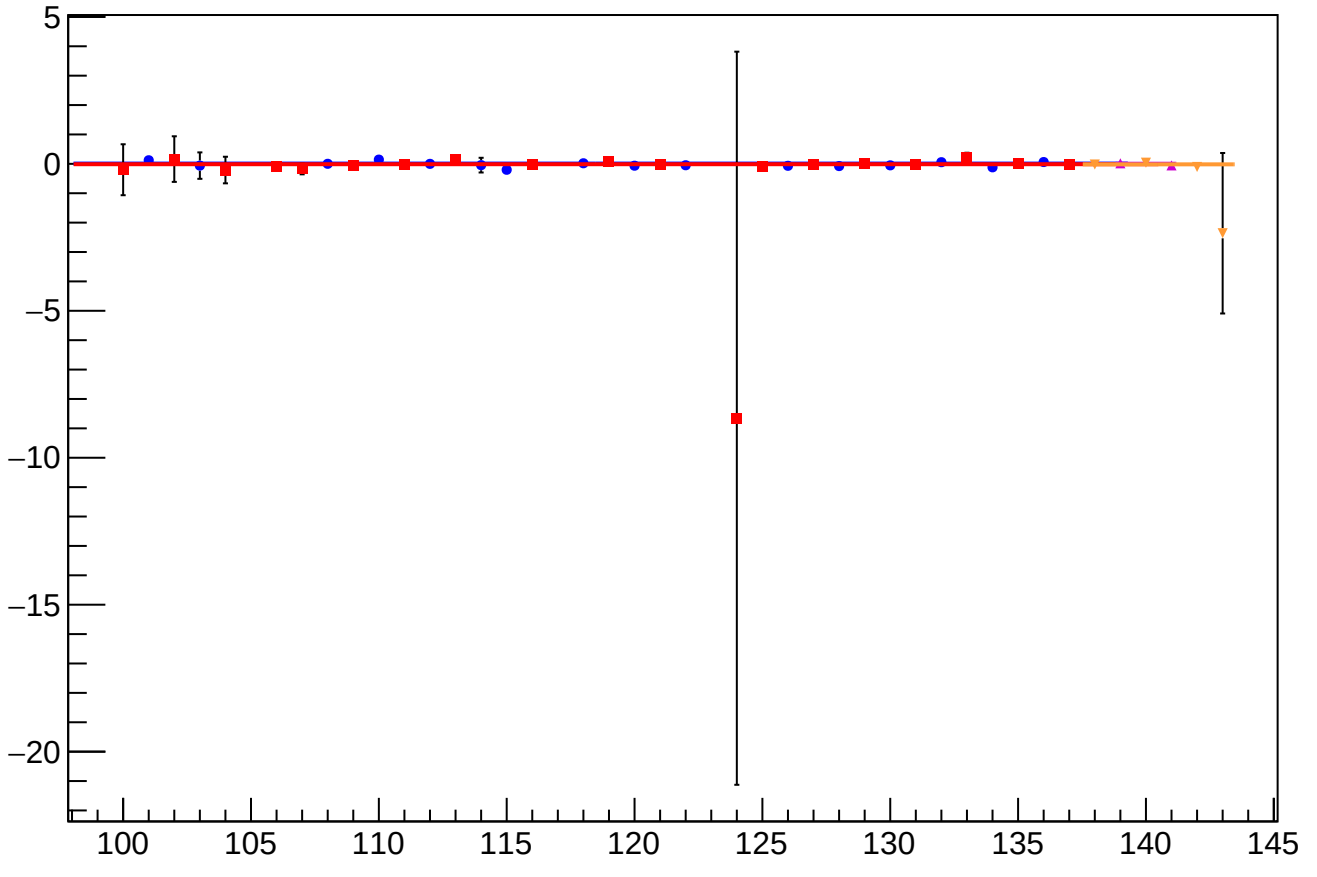
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

+ sign 35.190+/-0.009 χ^2/NDF: 4241511.8/19

All: 34.295+/-0.007 χ^2/NDF: 8130378.4/40

- sign 33.359+/-0.010 χ^2/NDF: 3870597.1/20



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.017+/-0.024 χ^2/NDF:3.0/3

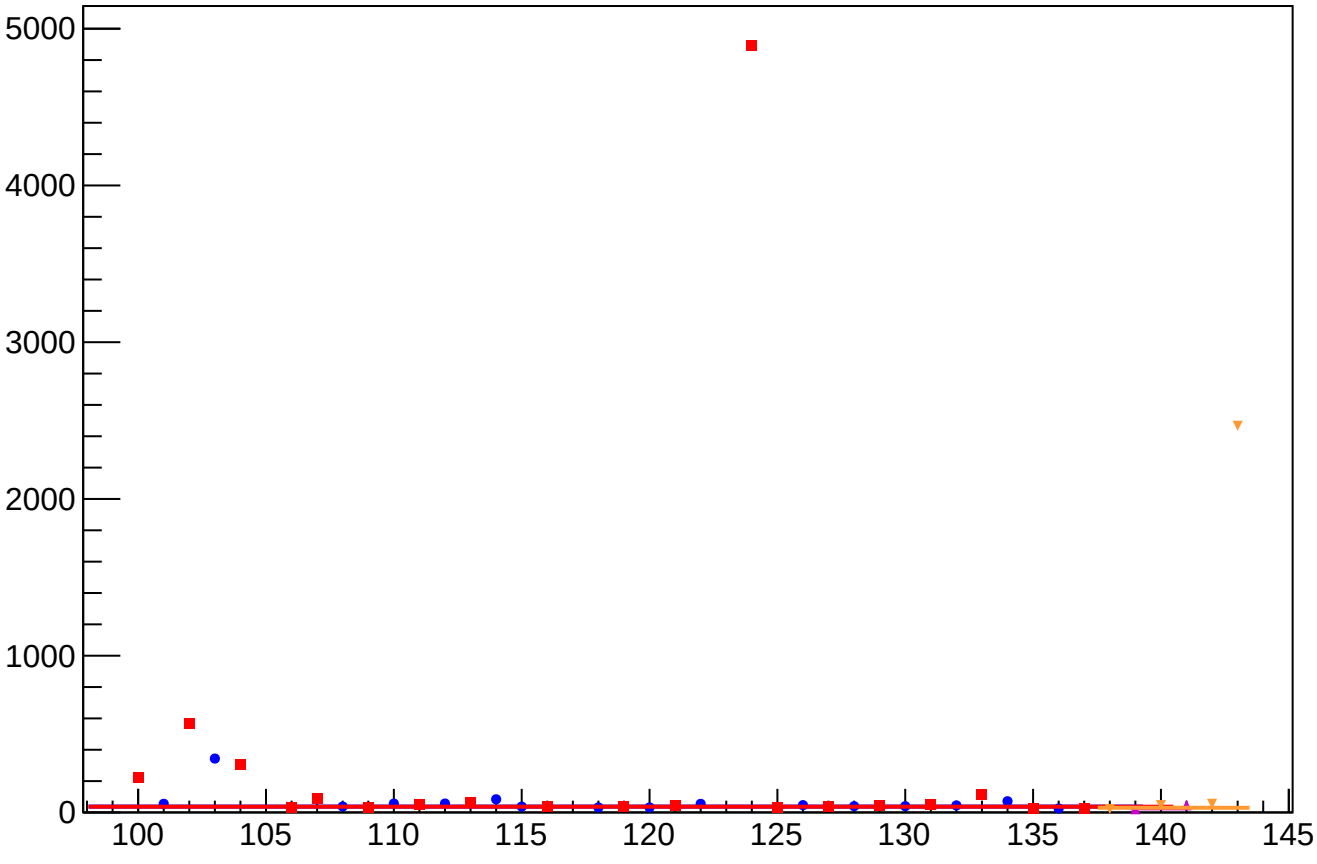
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.024 χ^2/NDF:1.4/1

+ sign 0.001+/-0.013 χ^2/NDF: 23.0/19

All: -0.003+/-0.010 χ^2/NDF: 37.5/40

- sign -0.007+/-0.014 χ^2/NDF: 14.3/20



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 29.972+/-0.017 χ^2/NDF:2124121.6/3

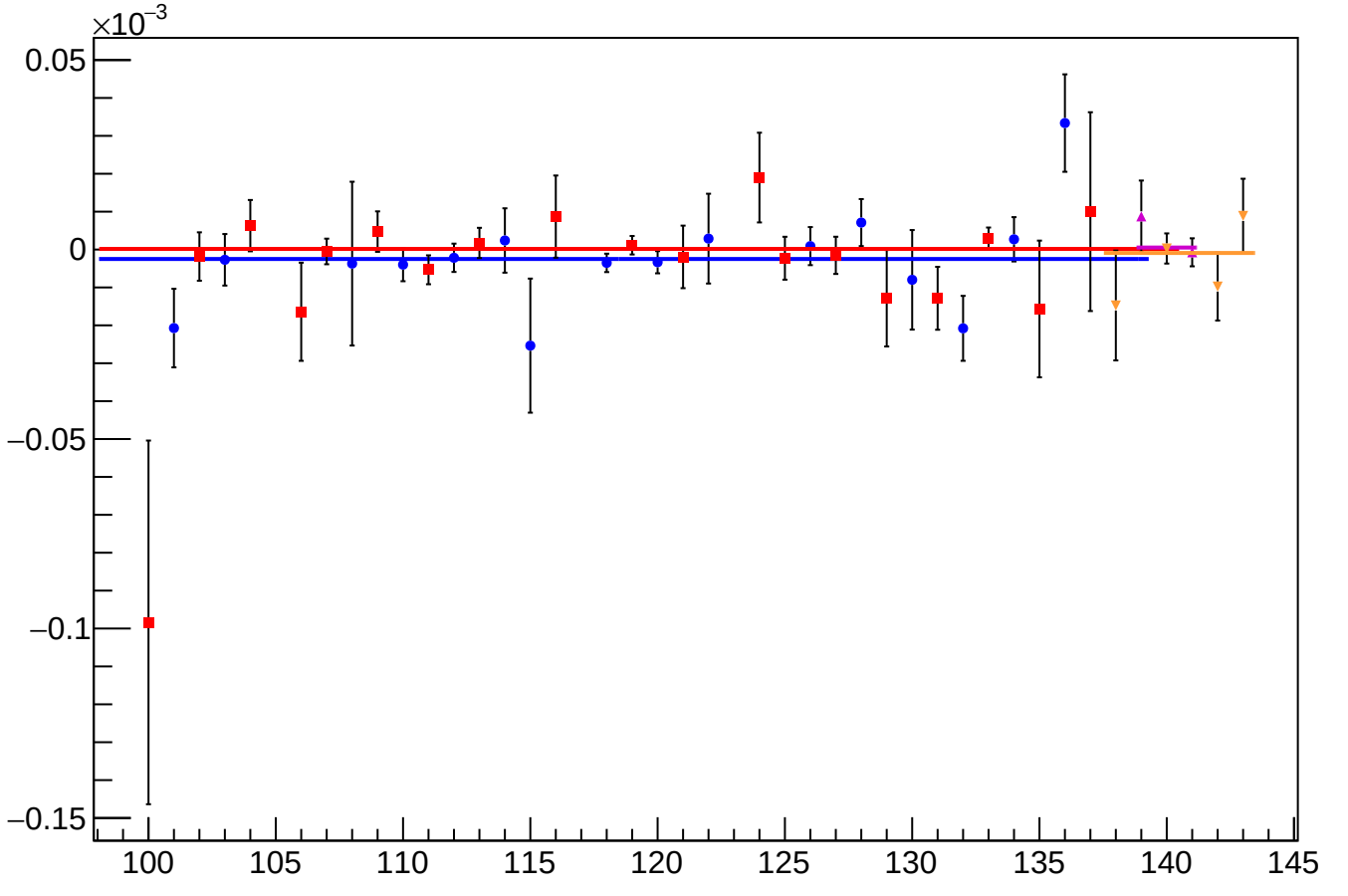
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

+ sign 35.190+/-0.009 χ^2/NDF: 4241511.8/19

All: 34.295+/-0.007 χ^2/NDF: 8130378.4/40

- sign 33.359+/-0.010 χ^2/NDF: 3870597.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

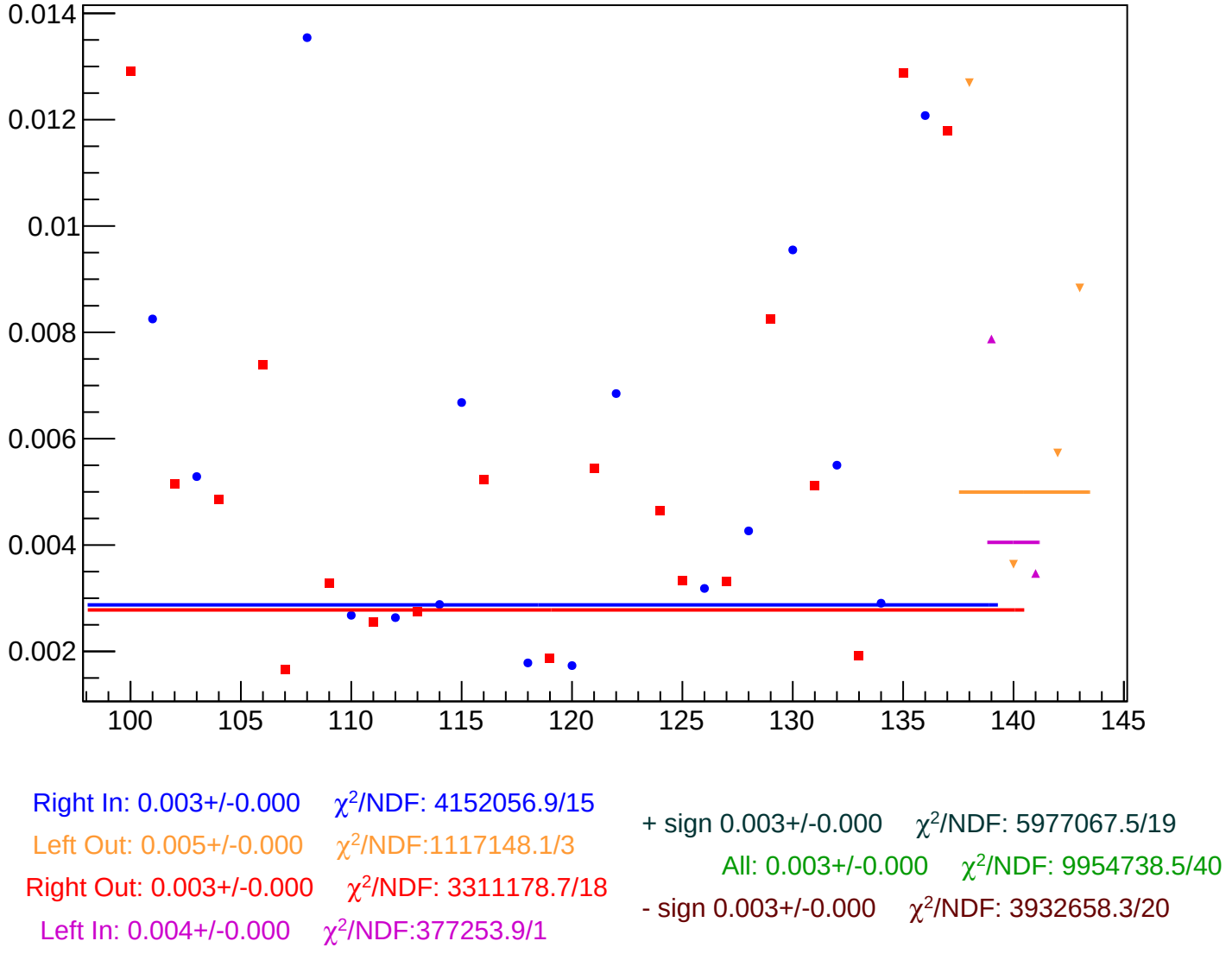
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

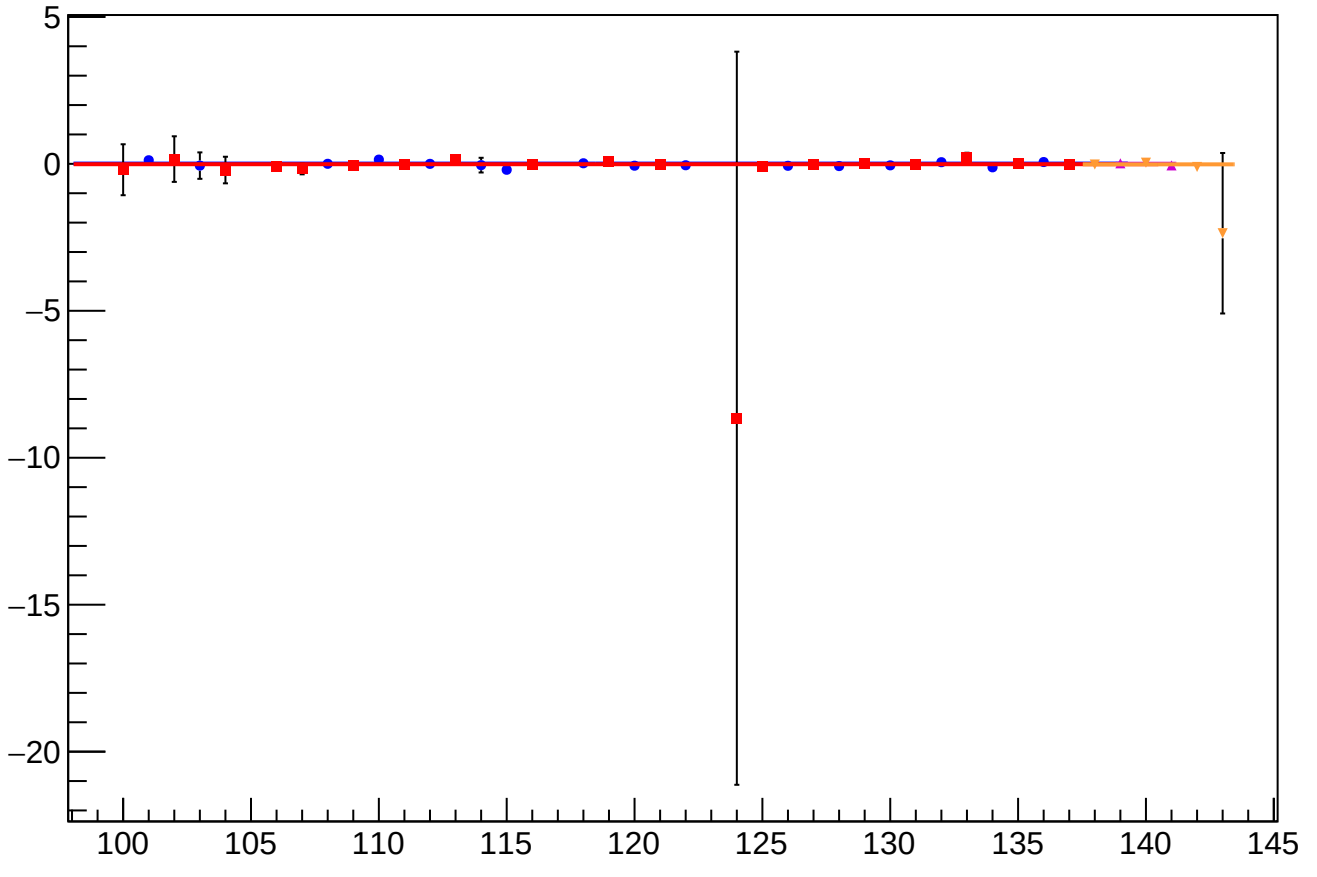
Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

\+ sign -0.000+/-0.000 χ^2/NDF: 25.0/19

All: -0.000+/-0.000 χ^2/NDF: 47.0/40

\- sign 0.000+/-0.000 χ^2/NDF: 19.7/20


asym_atl_dd_atr_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: 4152056.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1117148.1/3
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:377253.9/1
+ sign 0.003+/-0.000 χ²/NDF: 5977067.5/19
All: 0.003+/-0.000 χ²/NDF: 9954738.5/40
- sign 0.003+/-0.000 χ²/NDF: 3932658.3/20



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.017+/-0.024 χ^2/NDF:3.0/3

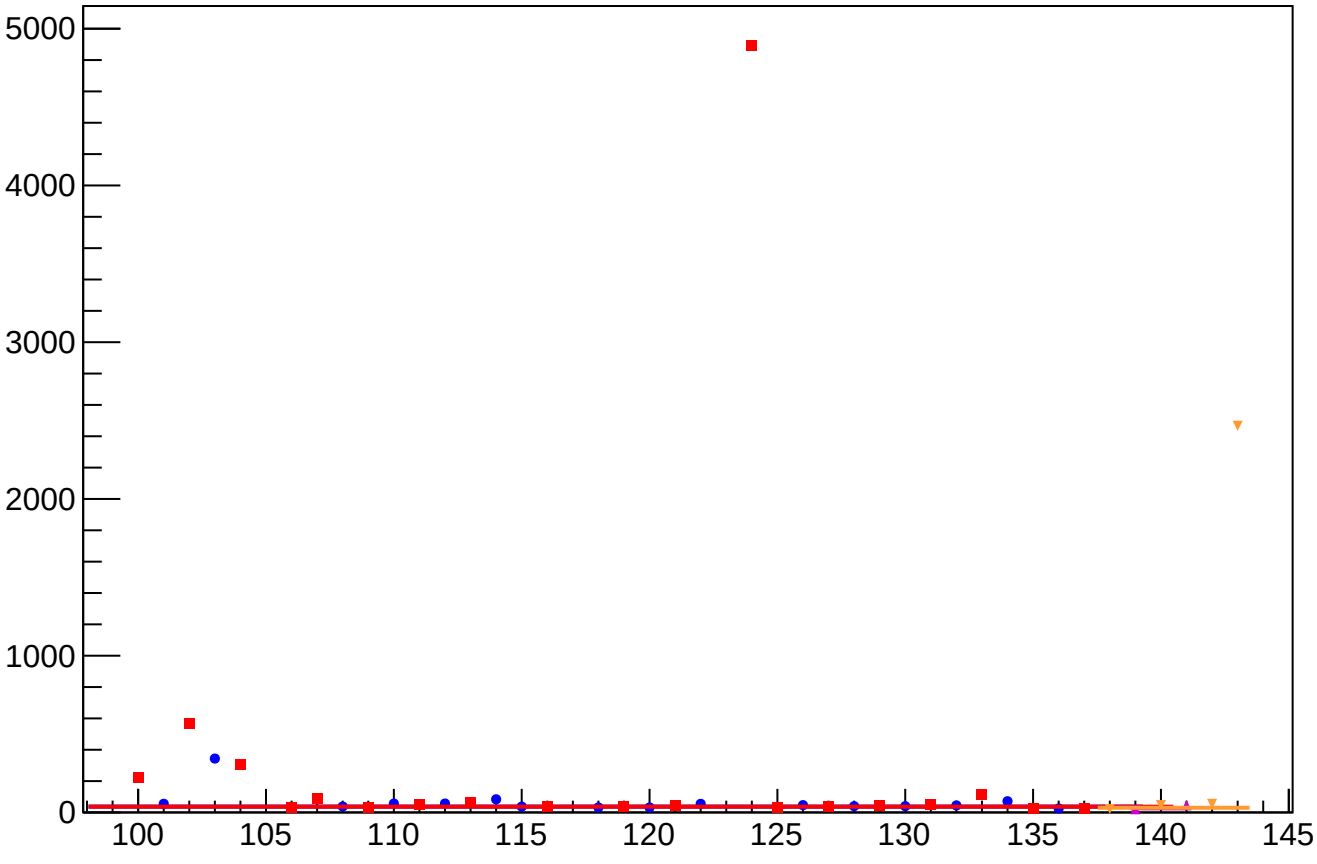
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.024 χ^2/NDF:1.4/1

+ sign 0.001+/-0.013 χ^2/NDF: 23.0/19

All: -0.003+/-0.010 χ^2/NDF: 37.5/40

- sign -0.007+/-0.014 χ^2/NDF: 14.3/20



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 29.968+/-0.017 χ^2/NDF:2124424.0/3

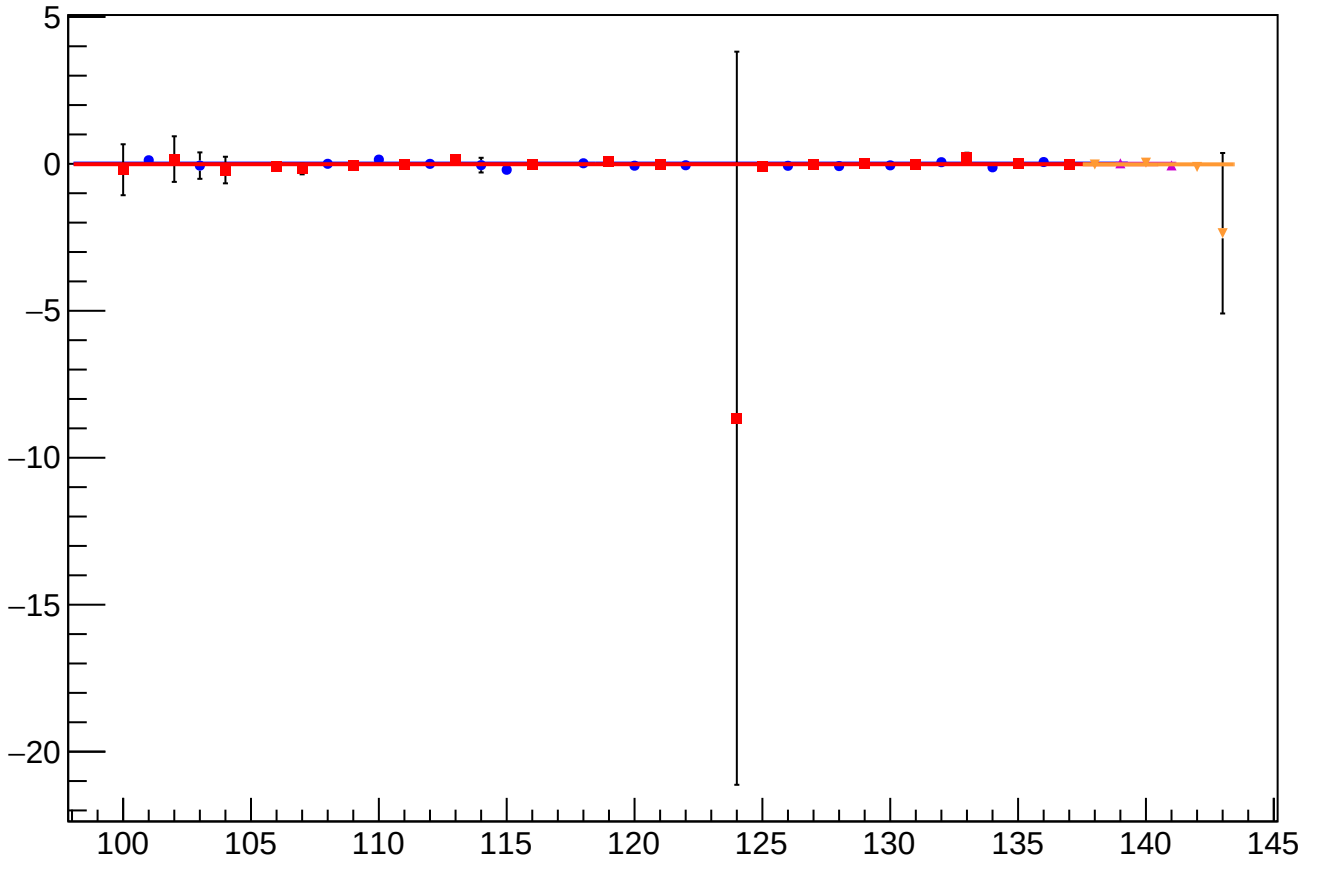
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

+ sign 35.189+/-0.009 χ^2/NDF: 4241923.1/19

All: 34.297+/-0.007 χ^2/NDF: 8129606.1/40

- sign 33.364+/-0.010 χ^2/NDF: 3869541.2/20



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.017+/-0.024 χ^2/NDF:3.0/3

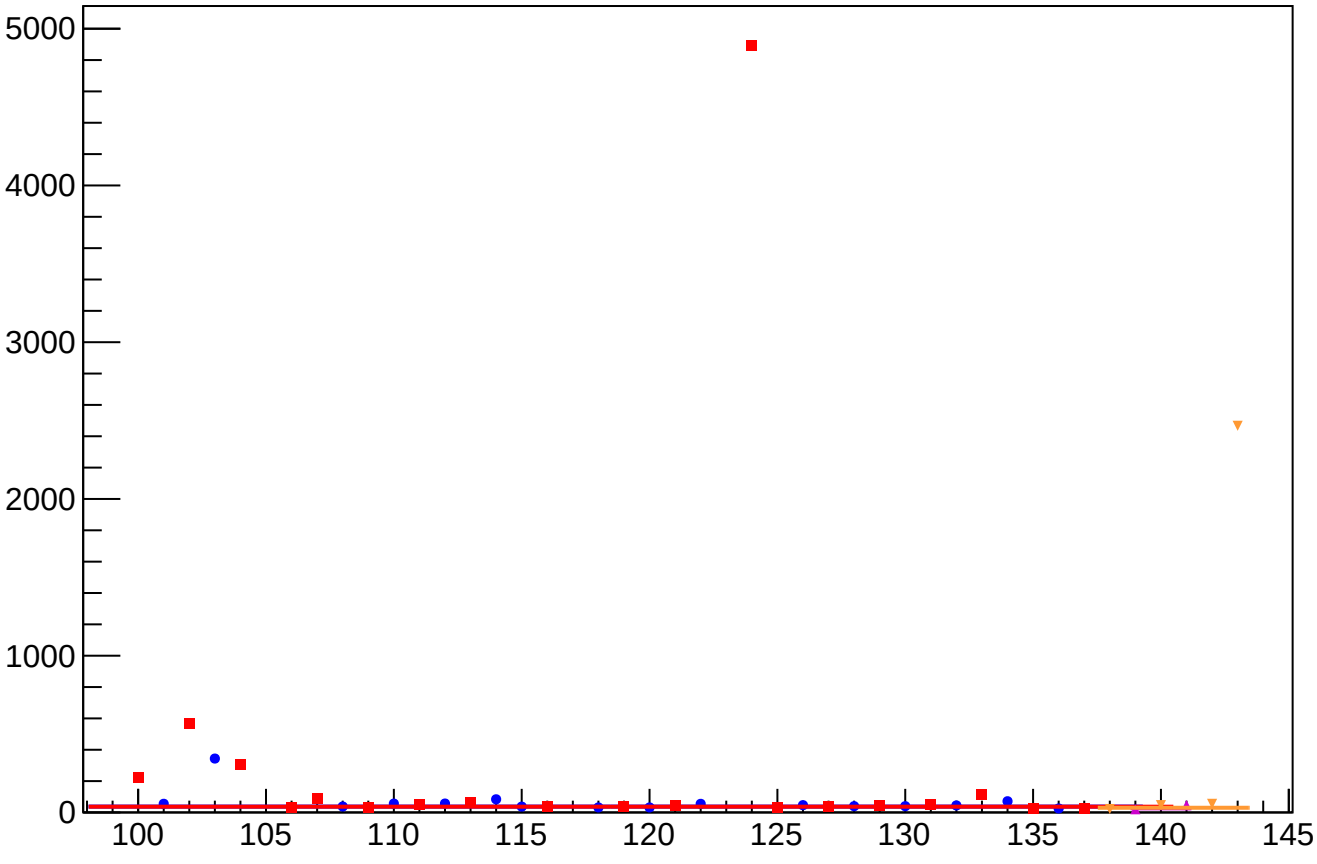
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.024 χ^2/NDF:1.4/1

+ sign 0.001+/-0.013 χ^2/NDF: 23.0/19

All: -0.003+/-0.010 χ^2/NDF: 37.5/40

- sign -0.007+/-0.014 χ^2/NDF: 14.3/20



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 29.968+/-0.017 χ^2/NDF:2124424.0/3

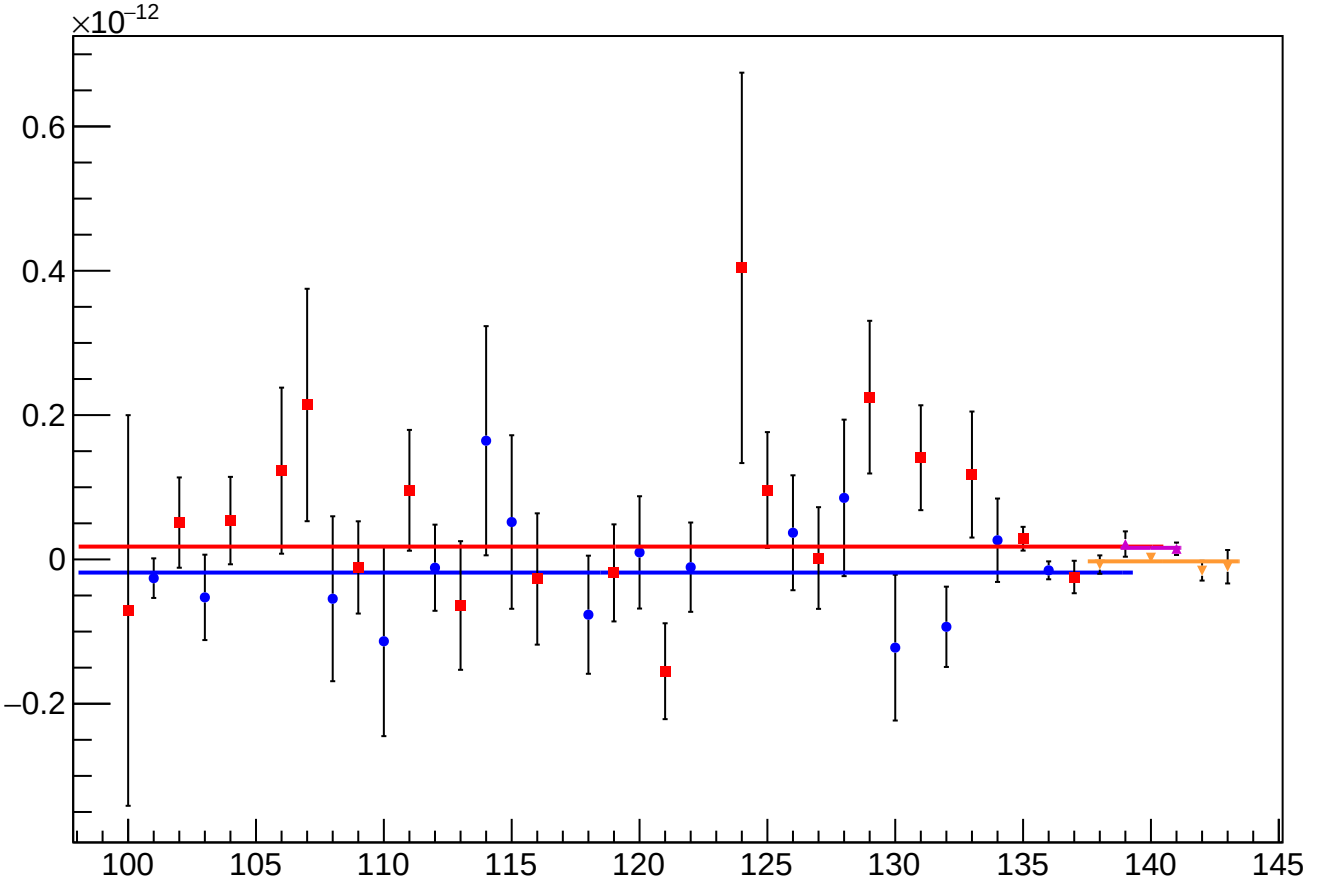
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

\+ sign 35.189+/-0.009 χ^2/NDF: 4241923.1/19

All: 34.297+/-0.007 χ^2/NDF: 8129606.1/40

\- sign 33.364+/-0.010 χ^2/NDF: 3869541.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

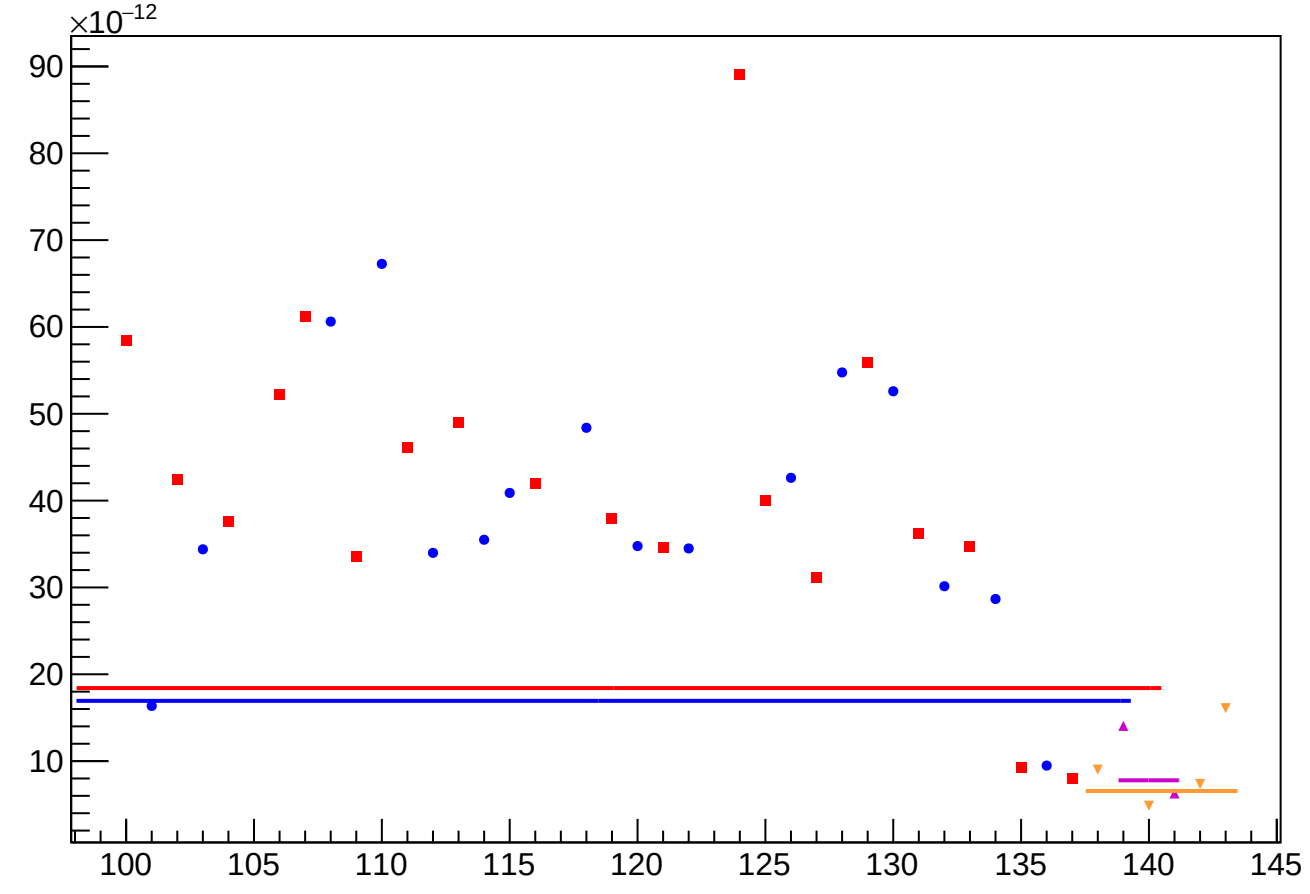
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 11.9/19

All: 0.000+/-0.000 χ^2/NDF: 47.6/40

- sign 0.000+/-0.000 χ^2/NDF: 27.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:547131.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

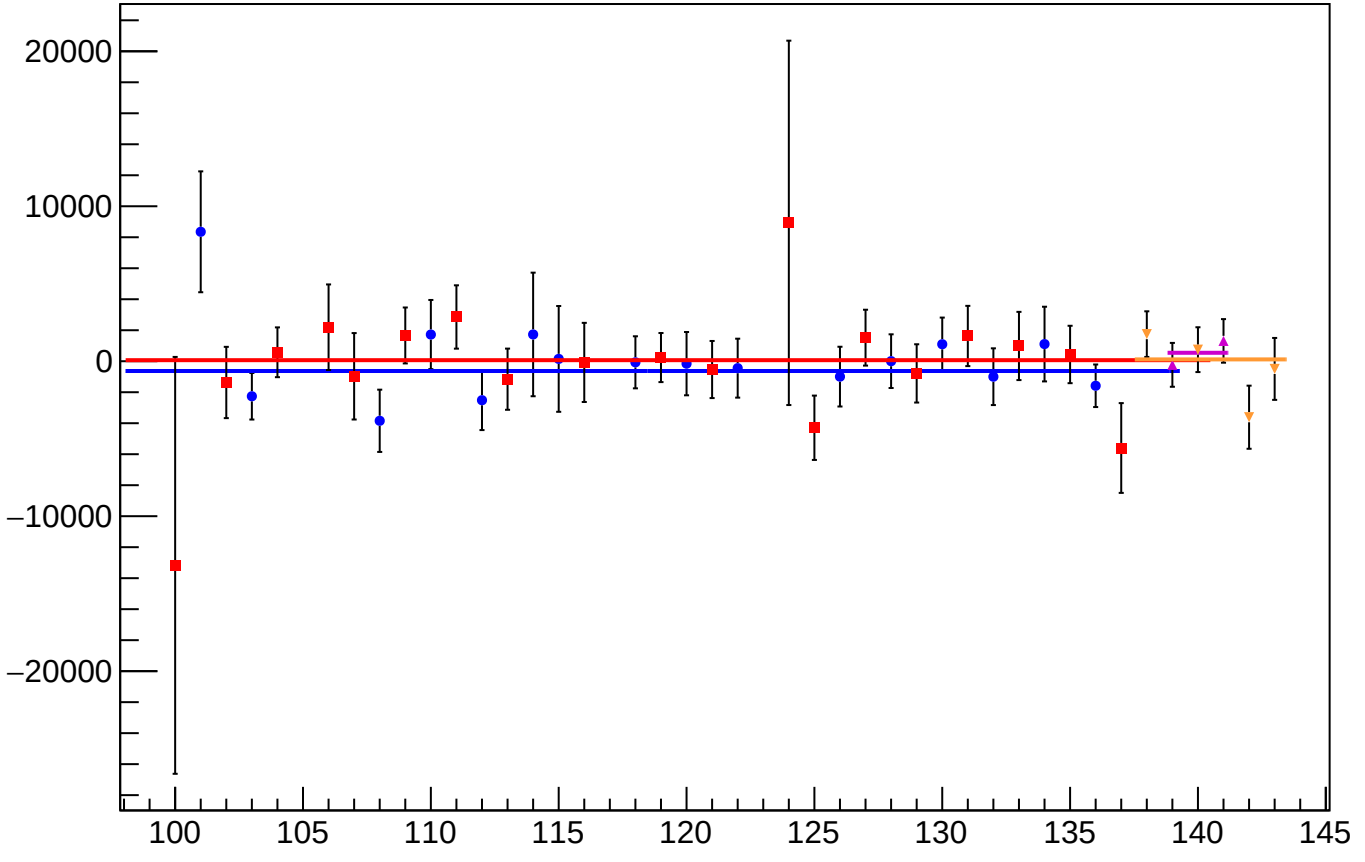
Left In: 0.000+/-0.000 χ^2/NDF:316105.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 5457551.0/19

All: 0.000+/-0.000 χ^2/NDF: 10874292.5/40

- sign 0.000+/-0.000 χ^2/NDF: 5230849.0/20

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.630+/-835.862 χ^2/NDF:4.9/3

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

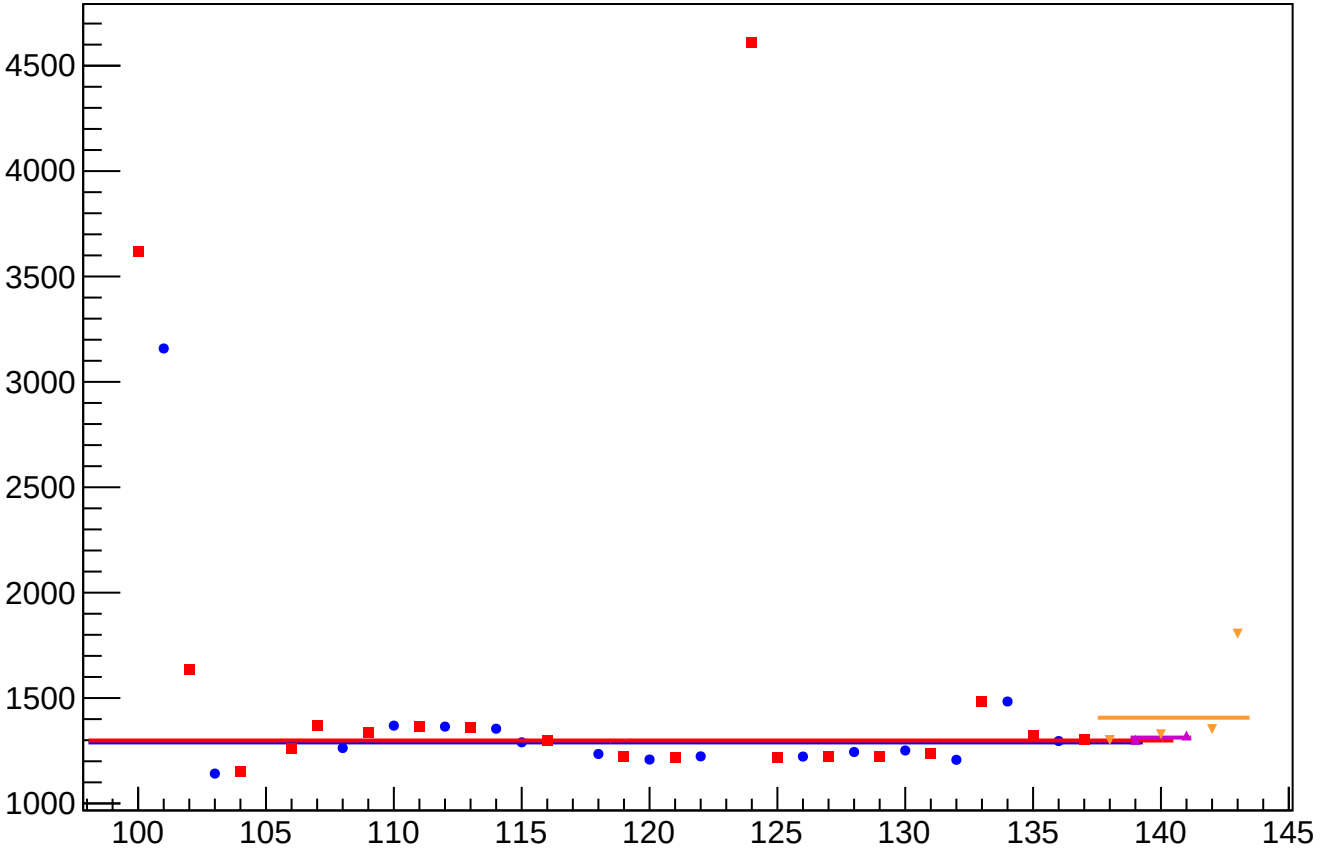
Left In: 544.636+/-997.379 χ^2/NDF:0.6/1

\+ sign -440.338+/-421.860 χ^2/NDF: 19.4/19

All: -151.692+/-303.902 χ^2/NDF: 37.0/40

\- sign 159.704+/-438.170 χ^2/NDF: 16.7/20

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

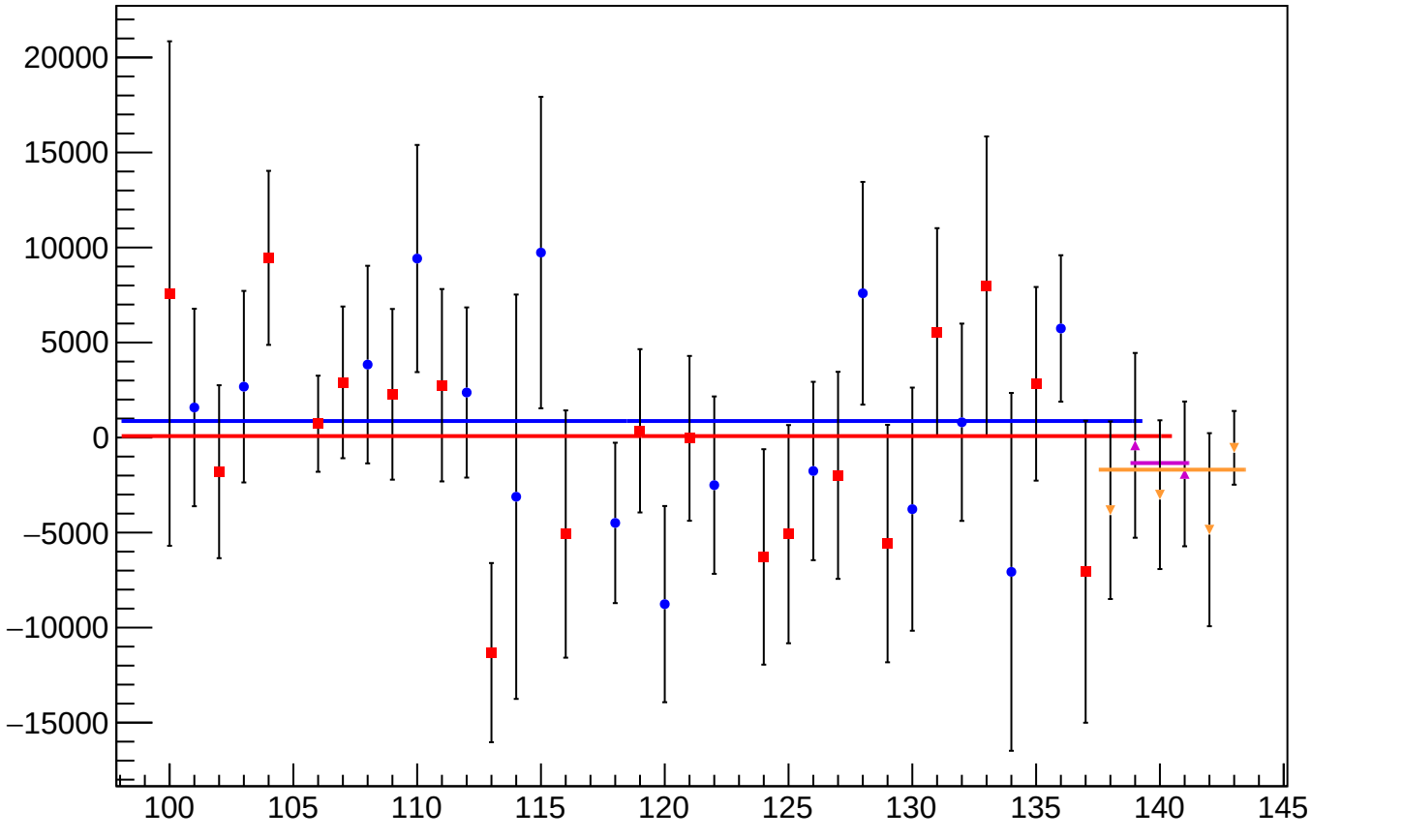
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641366.4/19

All: 1310.634+/-0.215 χ^2/NDF: 963026.0/40

- sign 1301.294+/-0.309 χ^2/NDF: 319897.7/20



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1690.456+/-1551.152 χ^2/NDF:1.1/3

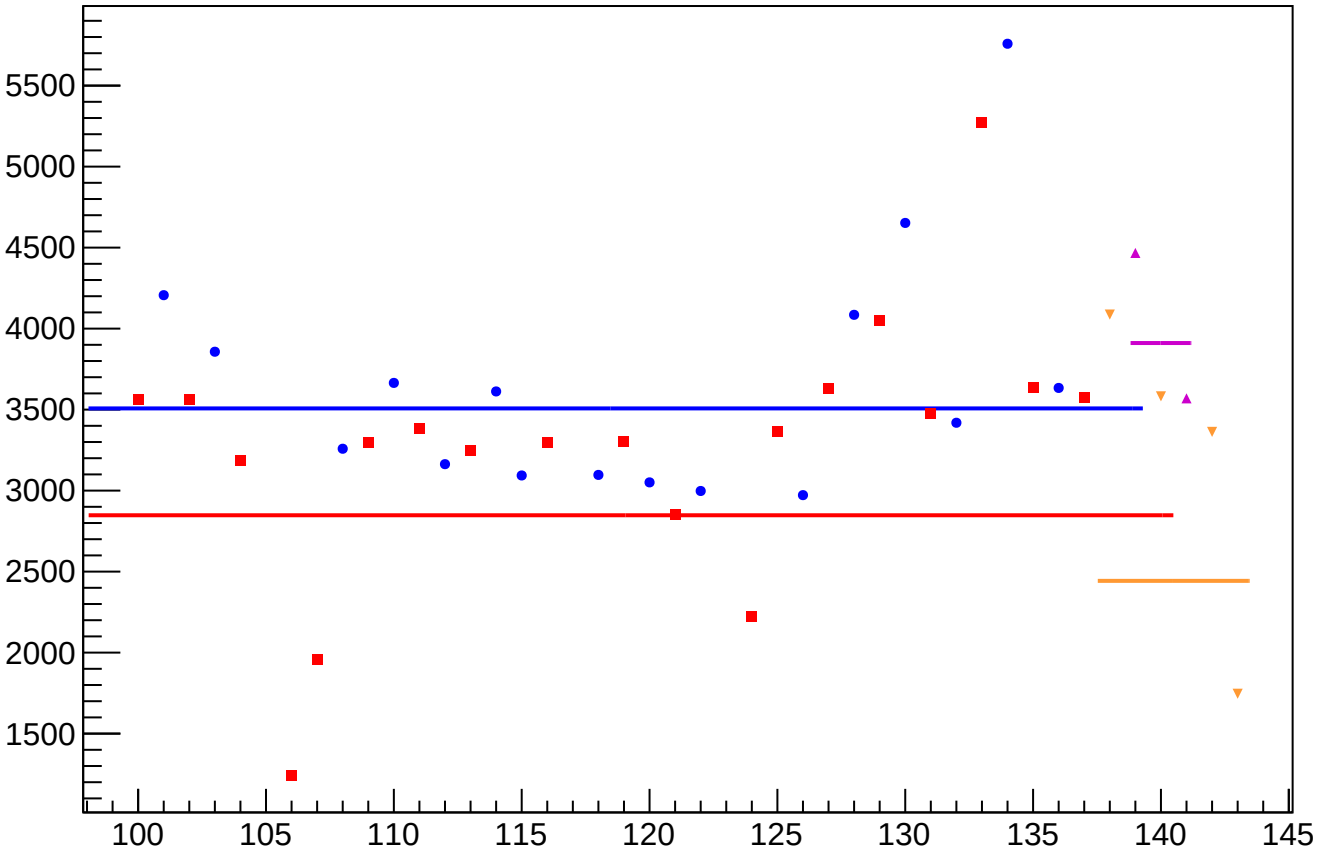
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1340.957+/-2998.457 χ^2/NDF:0.1/1

+ sign -210.228+/-1007.599 χ^2/NDF: 16.7/19

All: -154.010+/-724.285 χ^2/NDF: 35.3/40

- sign -93.905+/-1041.848 χ^2/NDF: 18.6/20



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2442.889+/-1.097 χ^2/NDF:740457.4/3

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

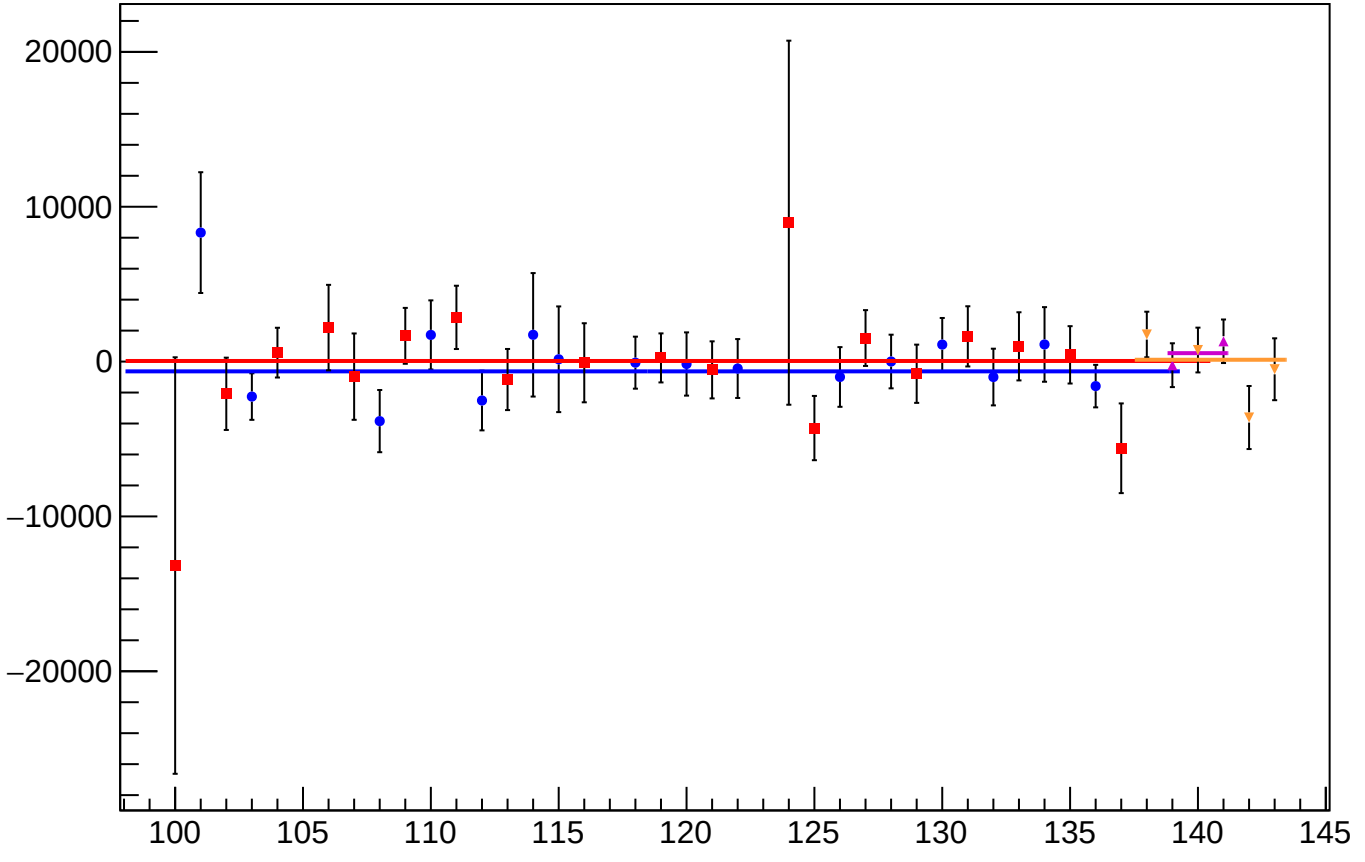
Left In: 3910.991+/-2.120 χ^2/NDF:42242.3/1

+ sign 3058.222+/-0.712 χ^2/NDF: 1638914.9/19

All: 3018.575+/-0.512 χ^2/NDF: 3408019.5/40

- sign 2976.187+/-0.737 χ^2/NDF: 1762697.4/20

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

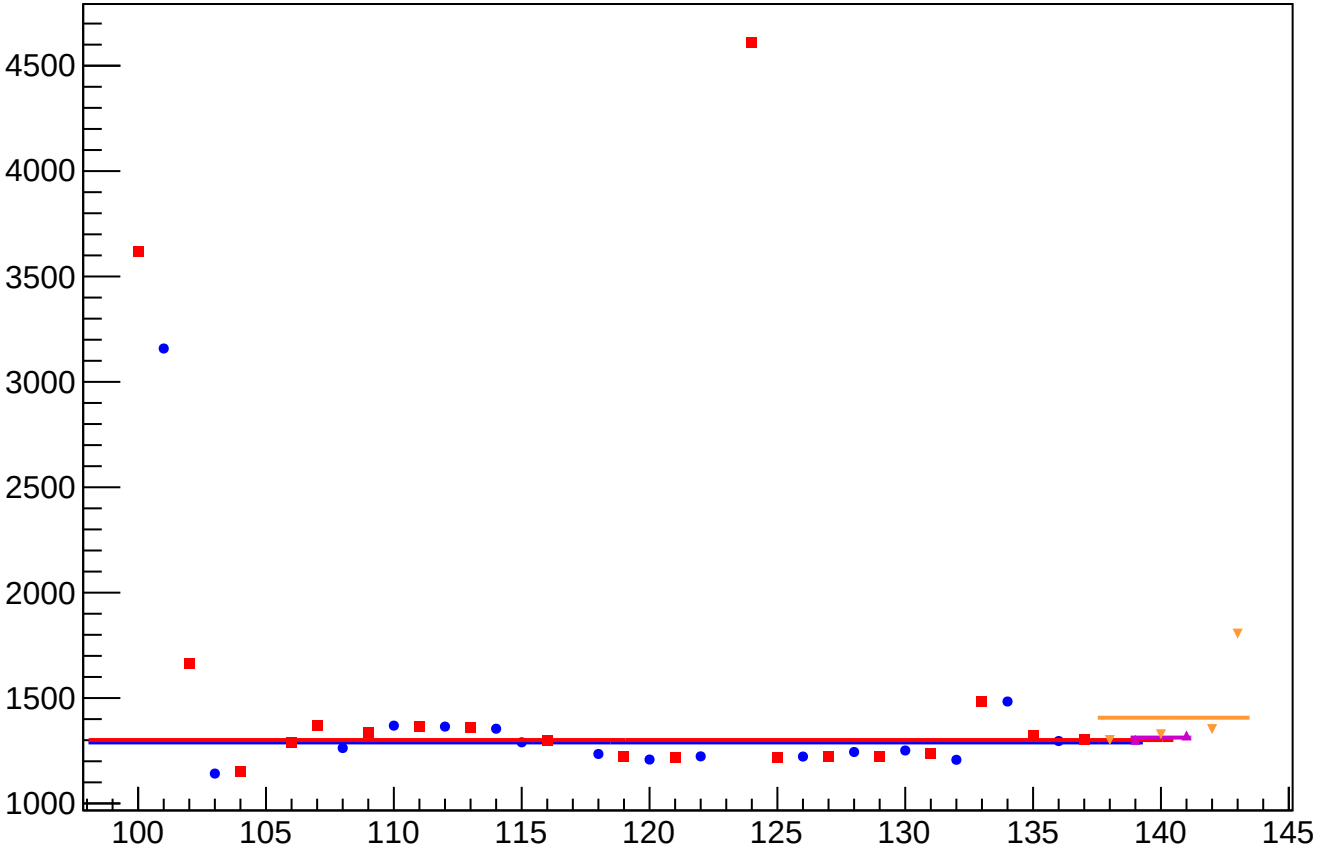
Left In: 544.413+/-997.379 χ^2/NDF:0.6/1

+ sign -440.614+/-421.860 χ^2/NDF: 19.3/19

All: -163.225+/-303.981 χ^2/NDF: 37.4/40

- sign 136.347+/-438.404 χ^2/NDF: 17.1/20

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

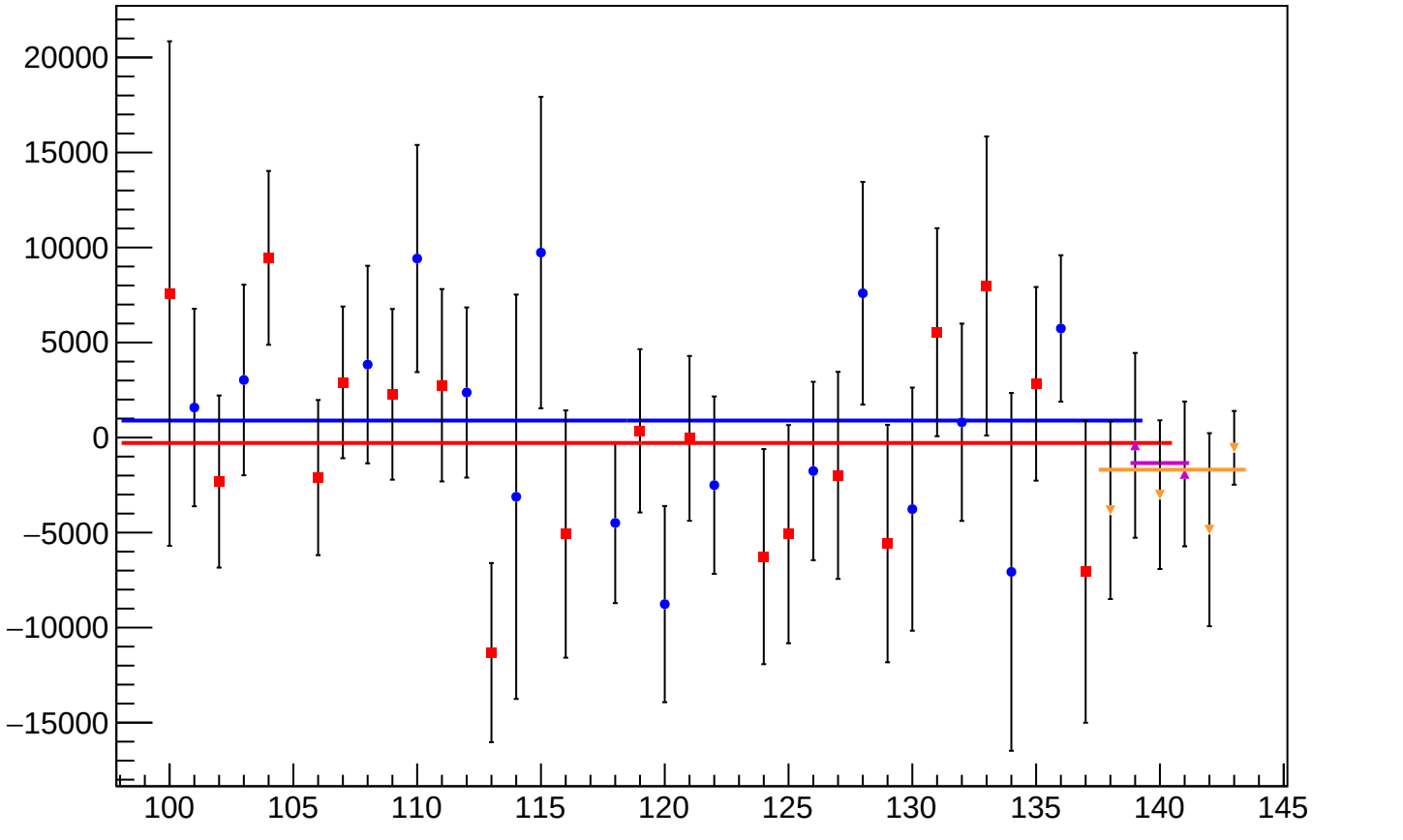
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641367.9/19

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

- sign 1302.938+/-0.310 χ^2/NDF: 326346.6/20



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

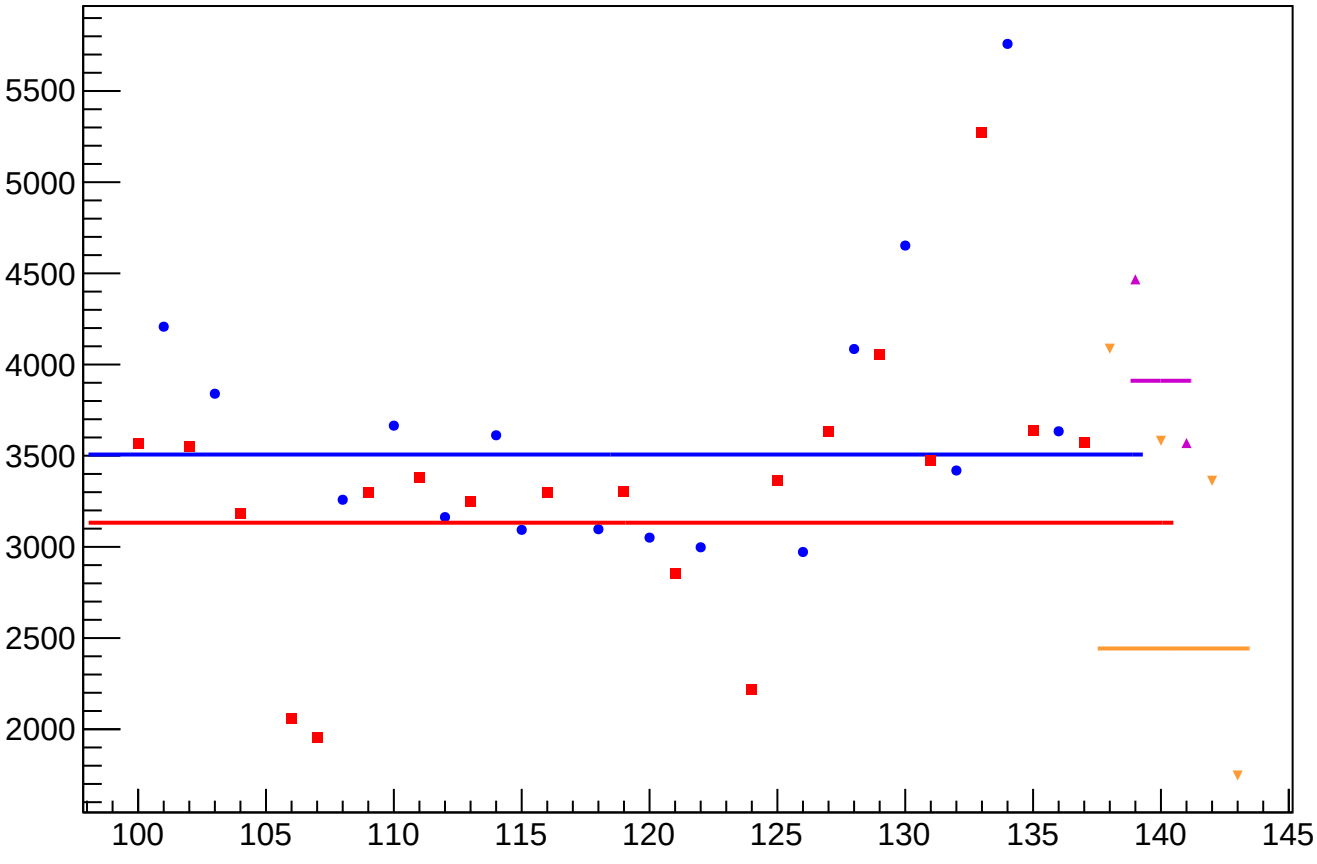
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1340.949+/-2998.450 χ^2/NDF:0.1/1

+ sign -194.829+/-1007.397 χ^2/NDF: 16.8/19

All: -300.382+/-743.102 χ^2/NDF: 35.6/40

- sign -426.367+/-1100.587 χ^2/NDF: 18.8/20



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

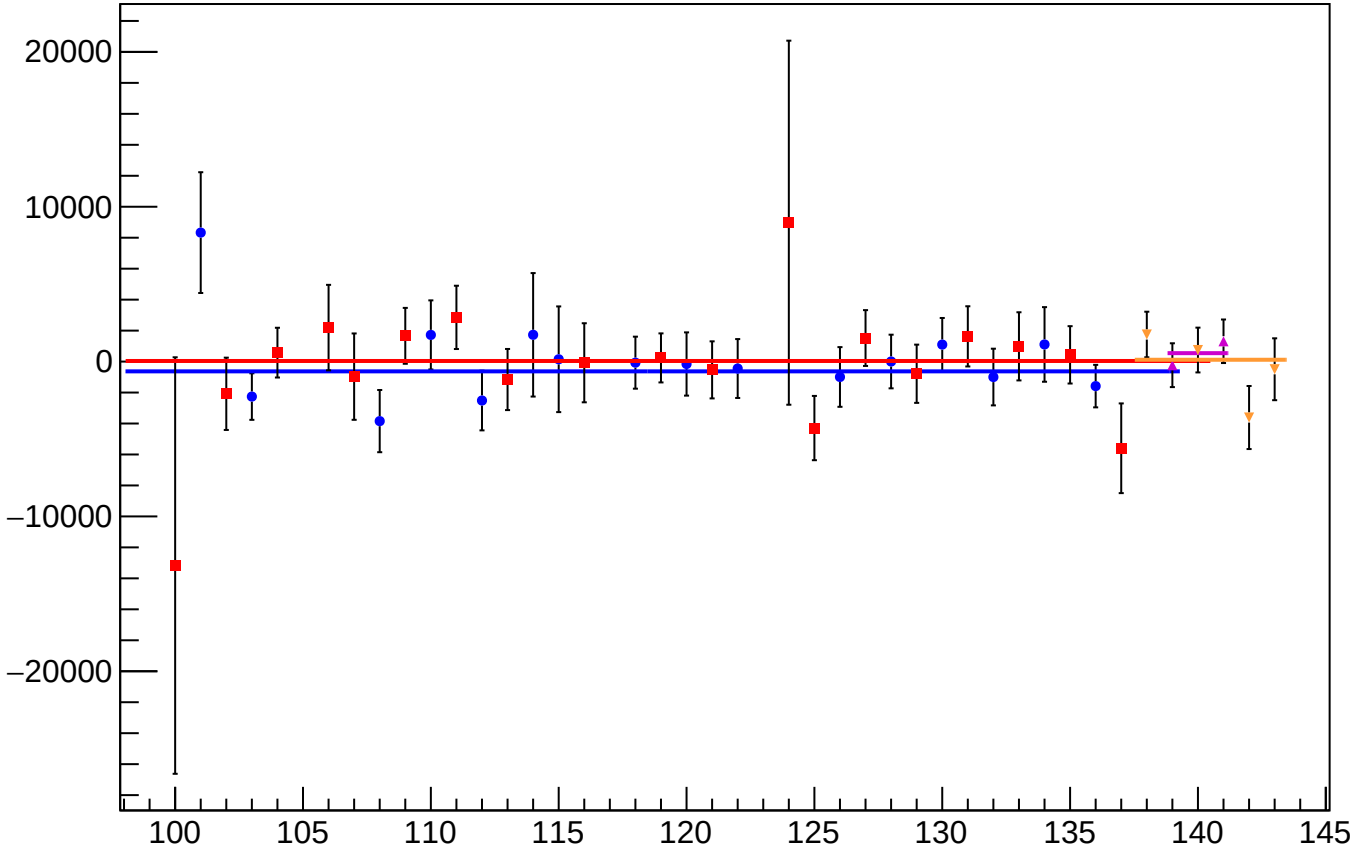
Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

+ sign 3057.865+/-0.712 χ^2/NDF: 1637422.3/19

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40

- sign 3237.457+/-0.778 χ^2/NDF: 808477.4/20

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

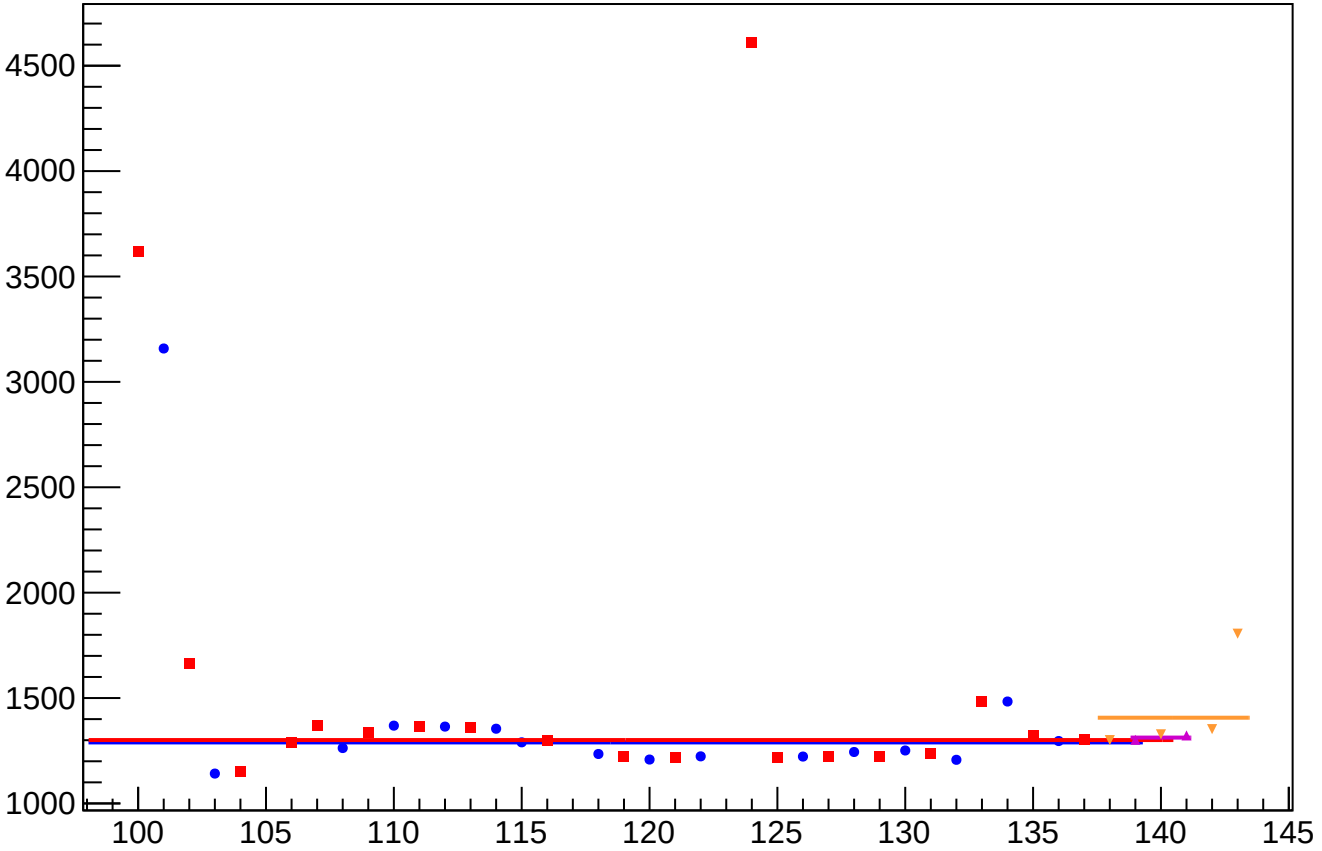
Left In: 544.413+/-997.379 χ^2/NDF:0.6/1

+ sign -440.614+/-421.860 χ^2/NDF: 19.3/19

All: -163.225+/-303.981 χ^2/NDF: 37.4/40

- sign 136.347+/-438.404 χ^2/NDF: 17.1/20

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: 1406.698+/-0.591 χ^2/NDF:97370.8/3

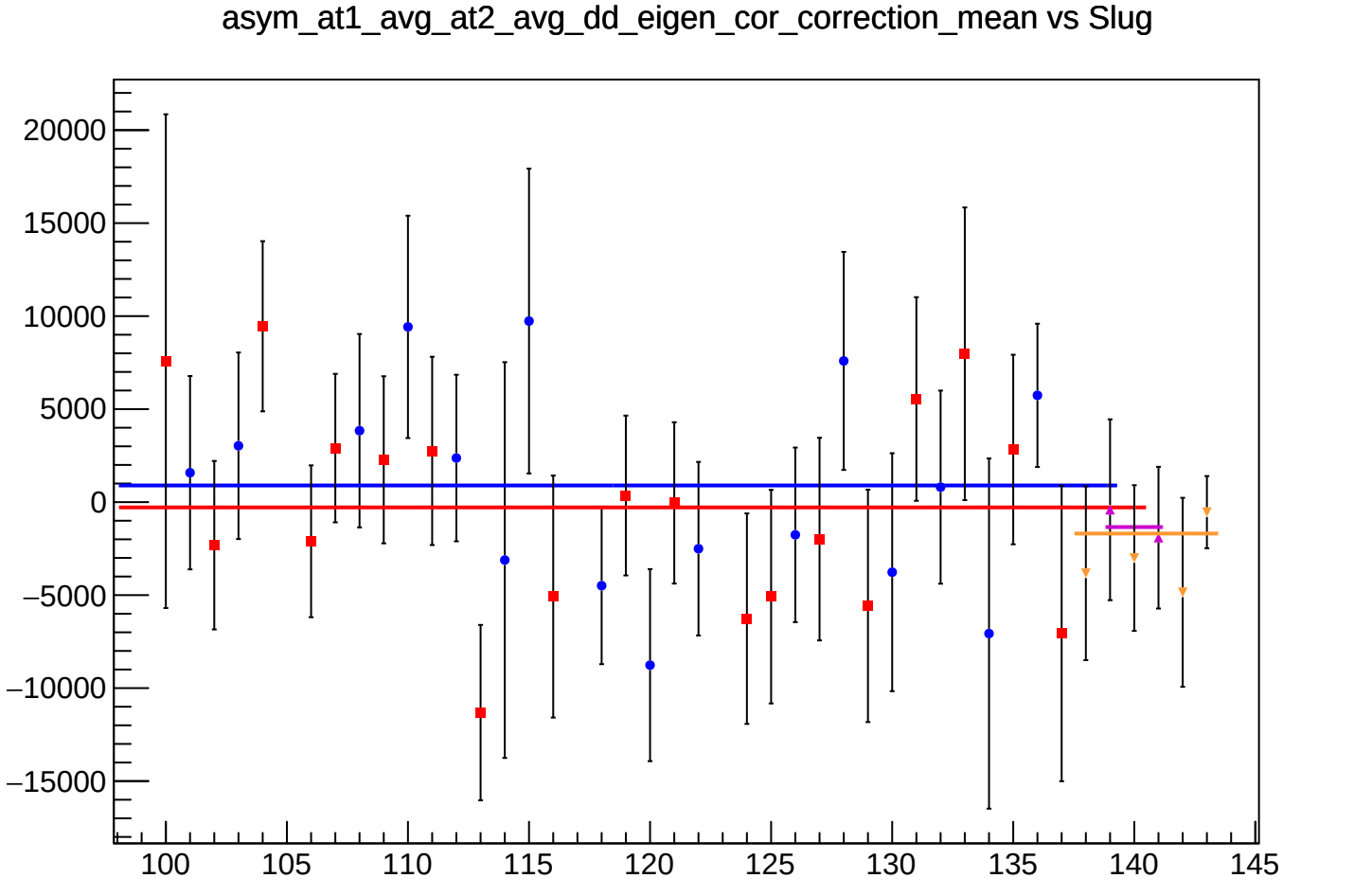
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641367.9/19

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

- sign 1302.938+/-0.310 χ^2/NDF: 326346.6/20



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

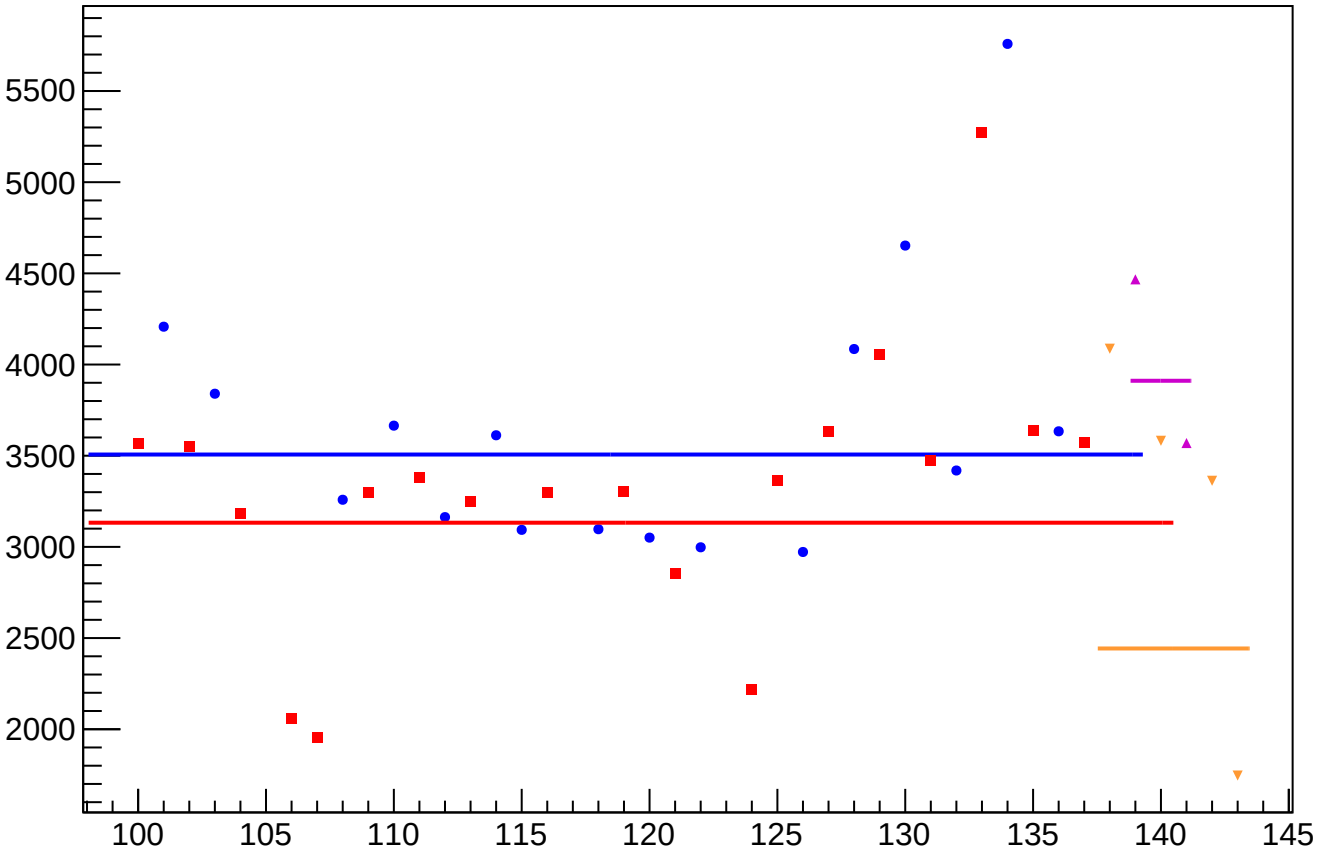
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1340.949+/-2998.450 χ^2/NDF:0.1/1

+ sign -194.829+/-1007.397 χ^2/NDF: 16.8/19

All: -300.382+/-743.102 χ^2/NDF: 35.6/40

- sign -426.367+/-1100.587 χ^2/NDF: 18.8/20



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

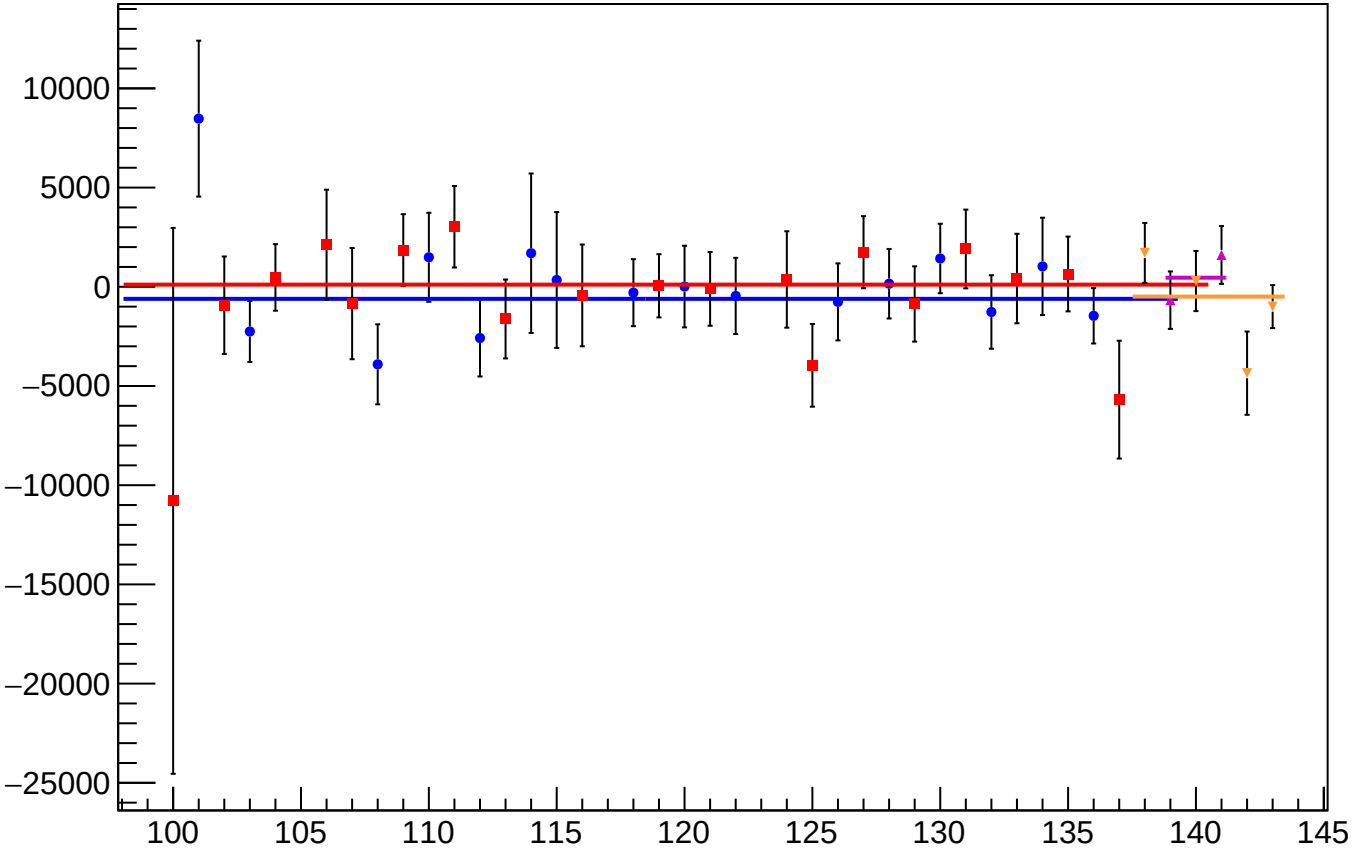
Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

+ sign 3057.865+/-0.712 χ^2/NDF: 1637422.3/19

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40

- sign 3237.457+/-0.778 χ^2/NDF: 808477.4/20

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.285+/-715.646 χ^2/NDF:6.0/3

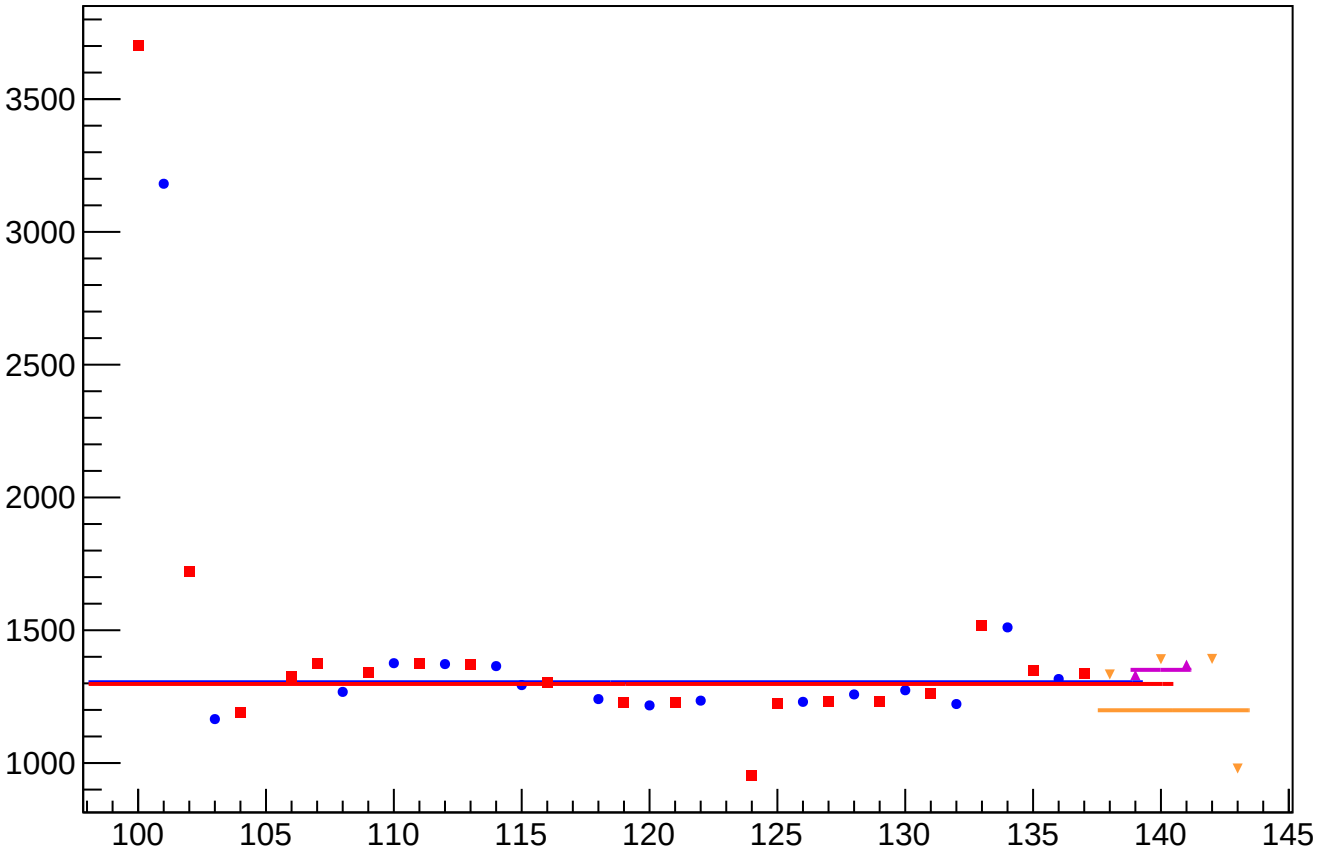
Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: 458.128+/-1026.913 χ^2/NDF:1.2/1

+ sign -570.846+/-406.649 χ^2/NDF: 20.1/19

All: -227.545+/-298.313 χ^2/NDF: 37.9/40

- sign 172.476+/-438.958 χ^2/NDF: 16.2/20



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

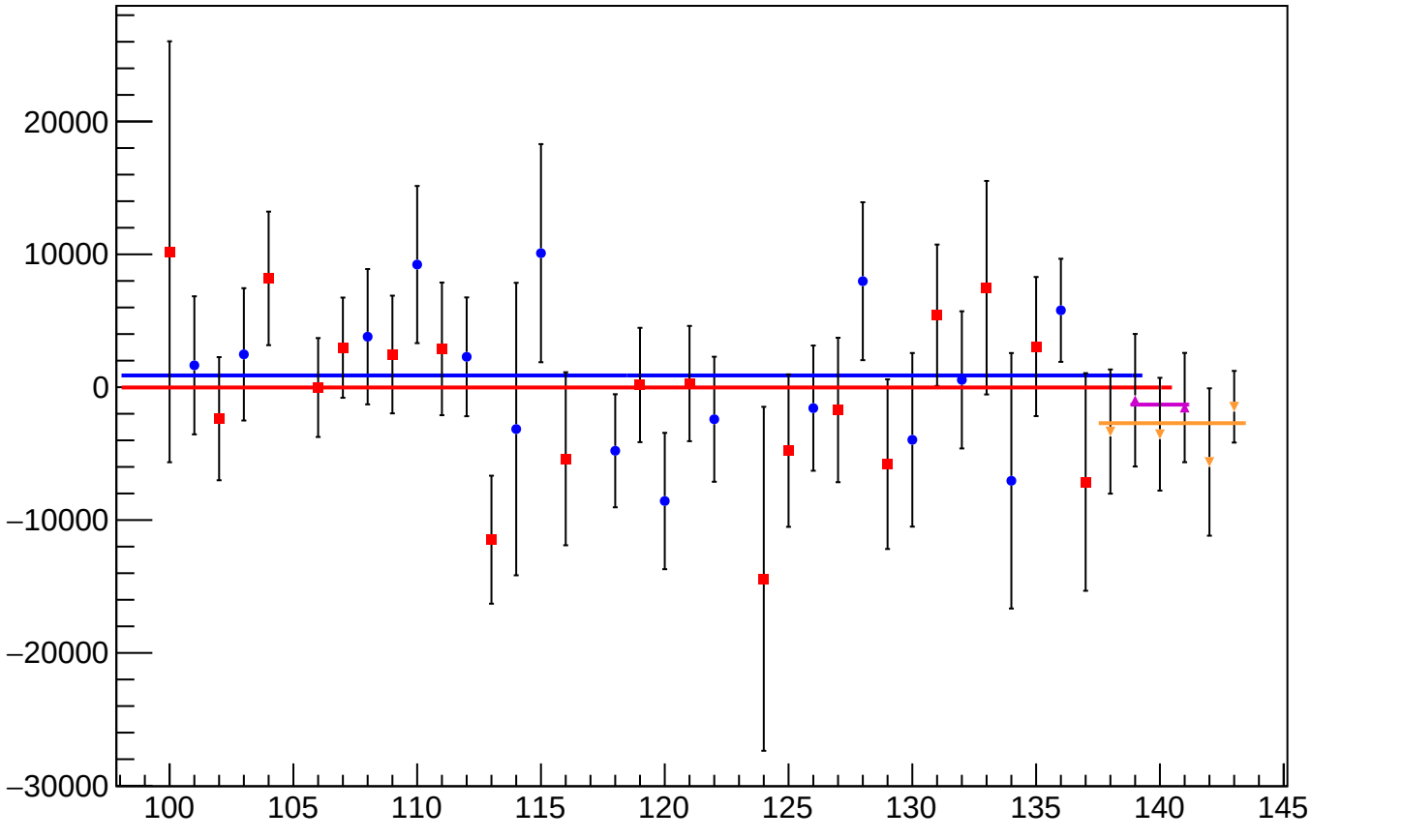
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1350.869+/-0.726 χ^2/NDF:712.8/1

\+ sign 1270.061+/-0.288 χ^2/NDF: 687037.6/19

All: 1287.355+/-0.211 χ^2/NDF: 913041.4/40

\- sign 1307.482+/-0.310 χ^2/NDF: 218177.0/20



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2707.656+/-1920.099 χ^2/NDF:0.5/3

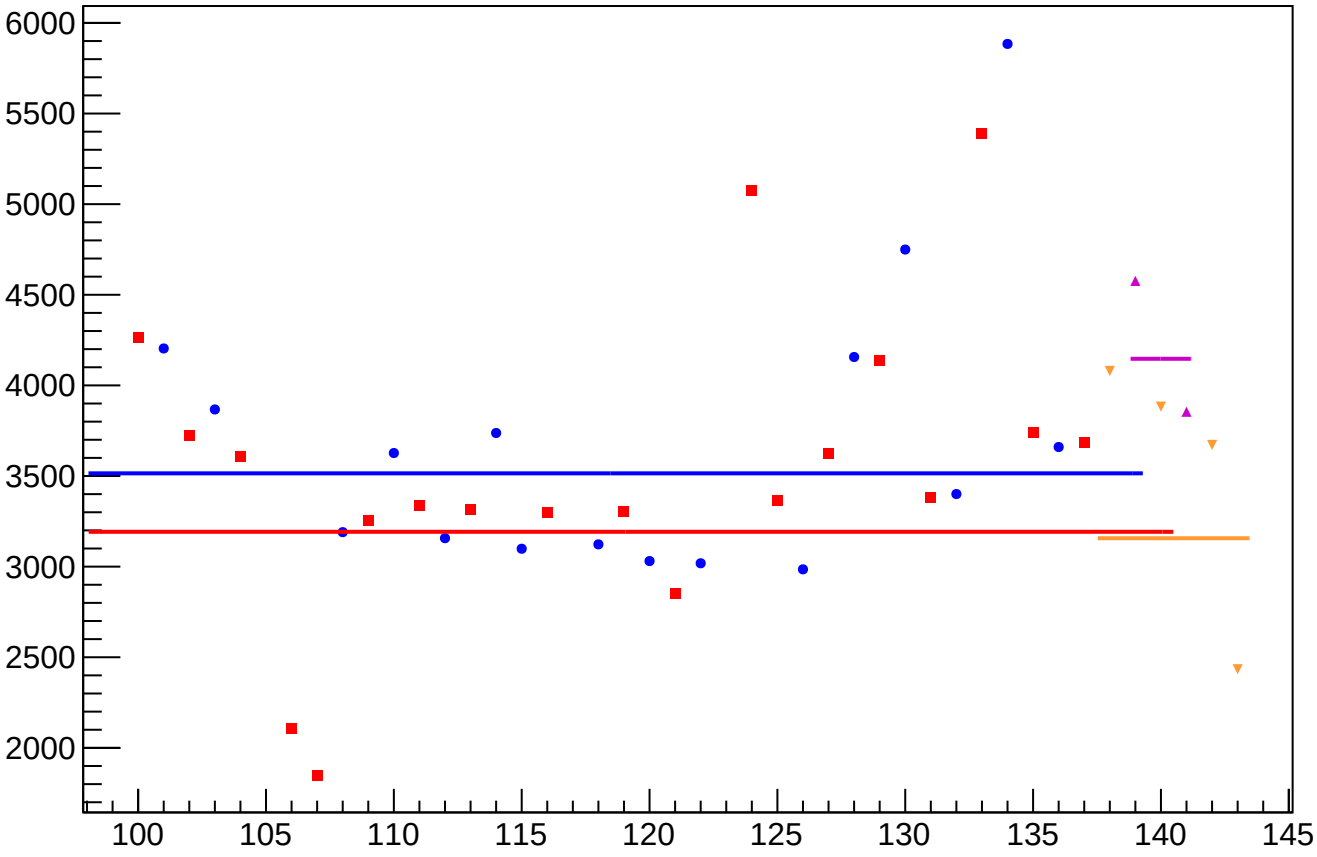
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1309.261+/-3173.459 χ^2/NDF:0.0/1

+ sign -277.407+/-1091.883 χ^2/NDF: 17.0/19

All: -230.964+/-782.660 χ^2/NDF: 34.0/40

- sign -181.885+/-1122.446 χ^2/NDF: 17.0/20



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3156.629+/-1.358 χ^2/NDF:297381.8/3

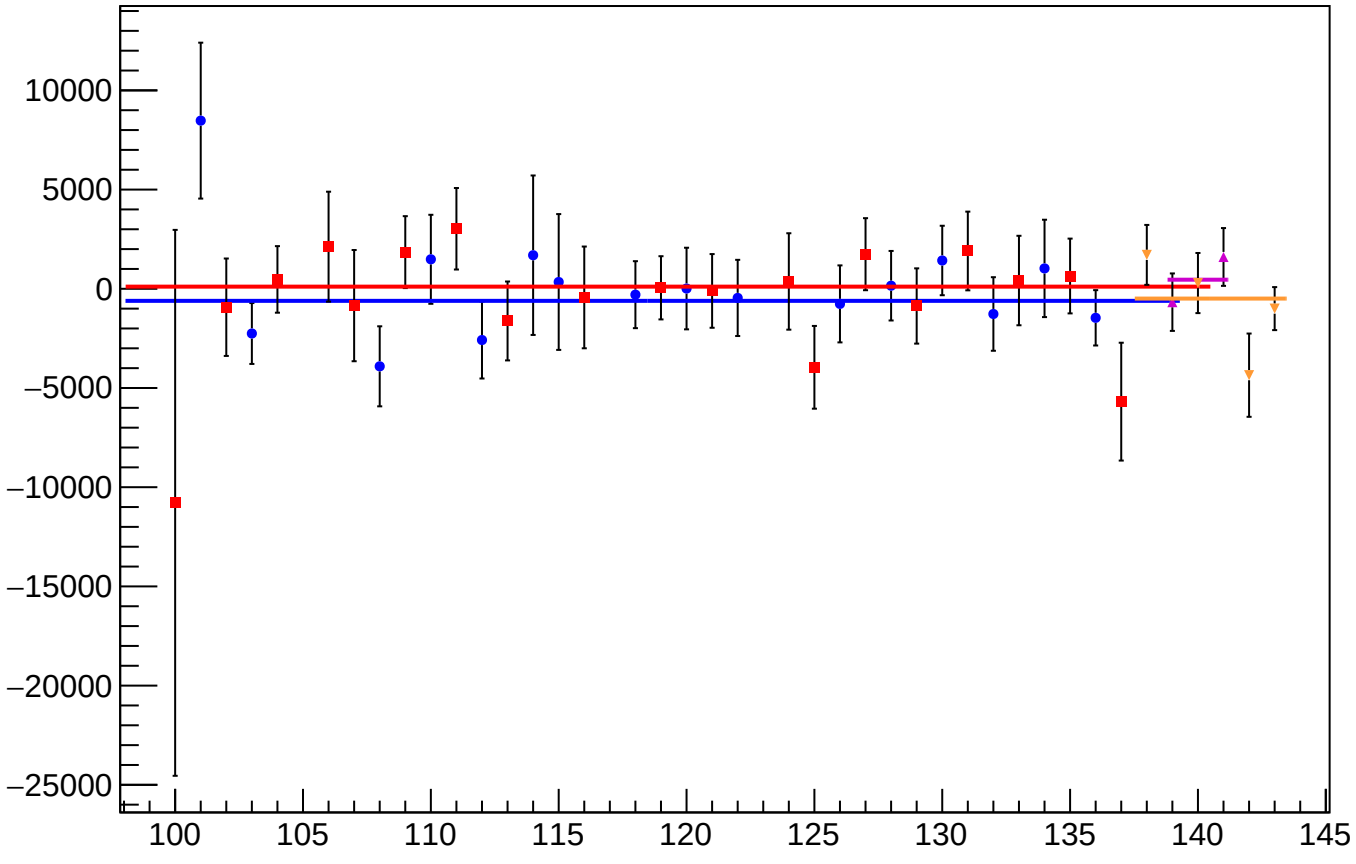
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

\+ sign 3398.940+/-0.772 χ^2/NDF: 719534.3/19

All: 3356.488+/-0.553 χ^2/NDF: 1681519.4/40

\- sign 3311.626+/-0.794 χ^2/NDF: 955766.8/20



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.288+/-715.647 χ^2/NDF:6.0/3

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

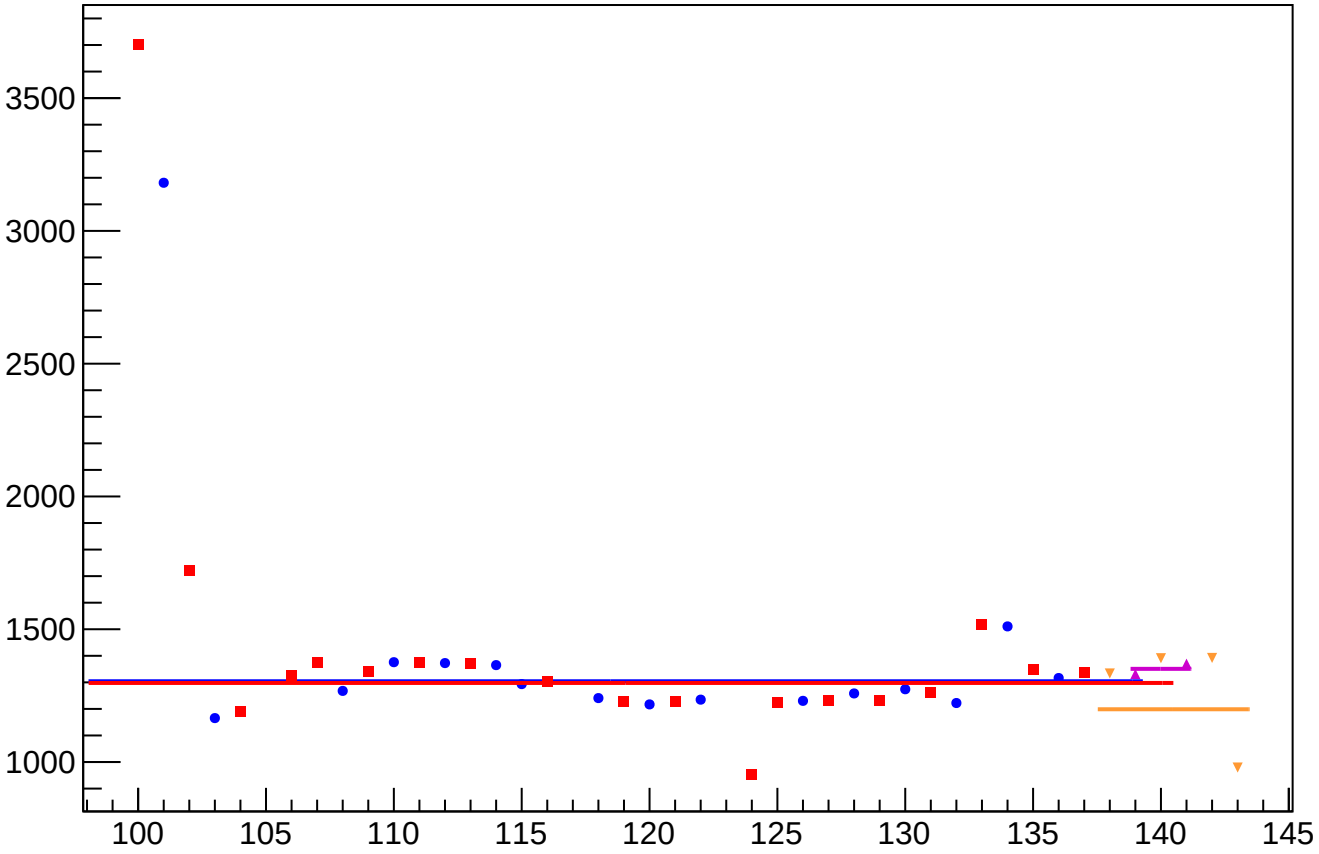
Left In: 458.120+/-1026.914 χ^2/NDF:1.2/1

+ sign -570.849+/-406.649 χ^2/NDF: 20.1/19

All: -227.545+/-298.313 χ^2/NDF: 37.9/40

- sign 172.479+/-438.958 χ^2/NDF: 16.2/20

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: 1198.674+/-0.506 χ^2/NDF:147056.7/3

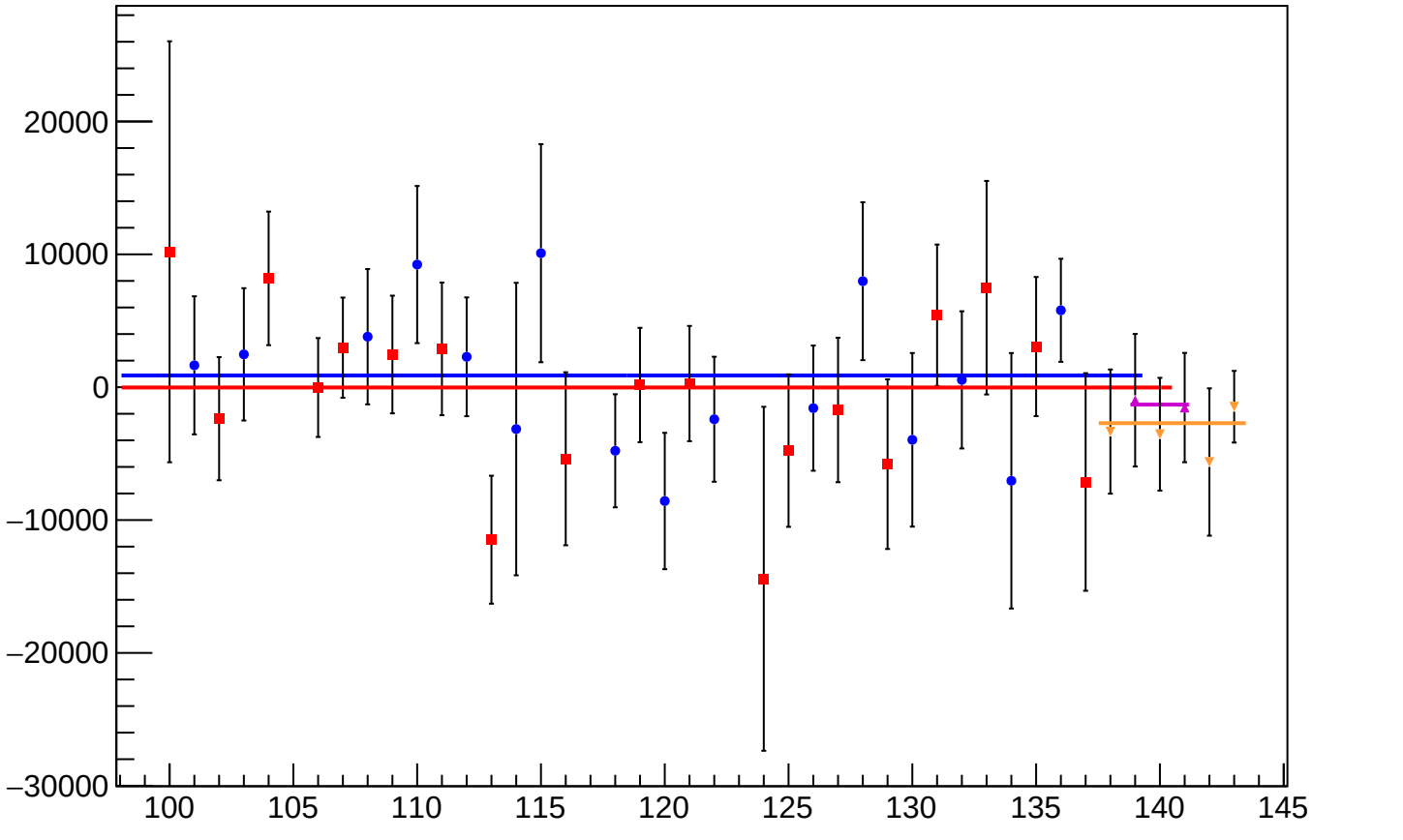
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1350.870+/-0.726 χ^2/NDF:712.8/1

+ sign 1270.062+/-0.288 χ^2/NDF: 687037.1/19

All: 1287.355+/-0.211 χ^2/NDF: 913041.1/40

- sign 1307.482+/-0.310 χ^2/NDF: 218177.1/20



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2707.658+/-1920.102 χ^2/NDF:0.5/3

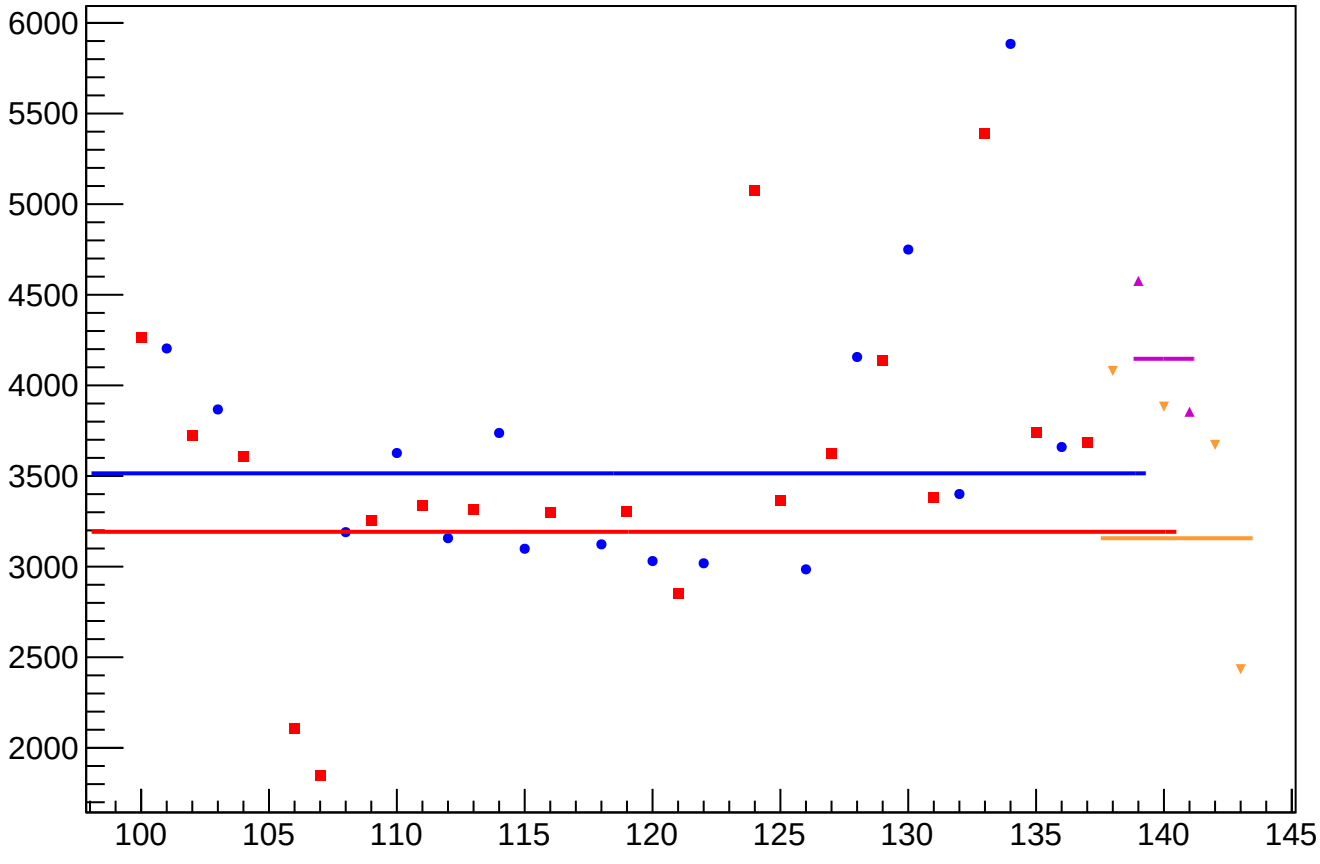
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1309.271+/-3173.463 χ^2/NDF:0.0/1

+ sign -277.409+/-1091.881 χ^2/NDF: 17.0/19

All: -230.964+/-782.658 χ^2/NDF: 34.0/40

- sign -181.882+/-1122.443 χ^2/NDF: 17.0/20



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3156.634+/-1.358 χ^2/NDF:297382.2/3

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

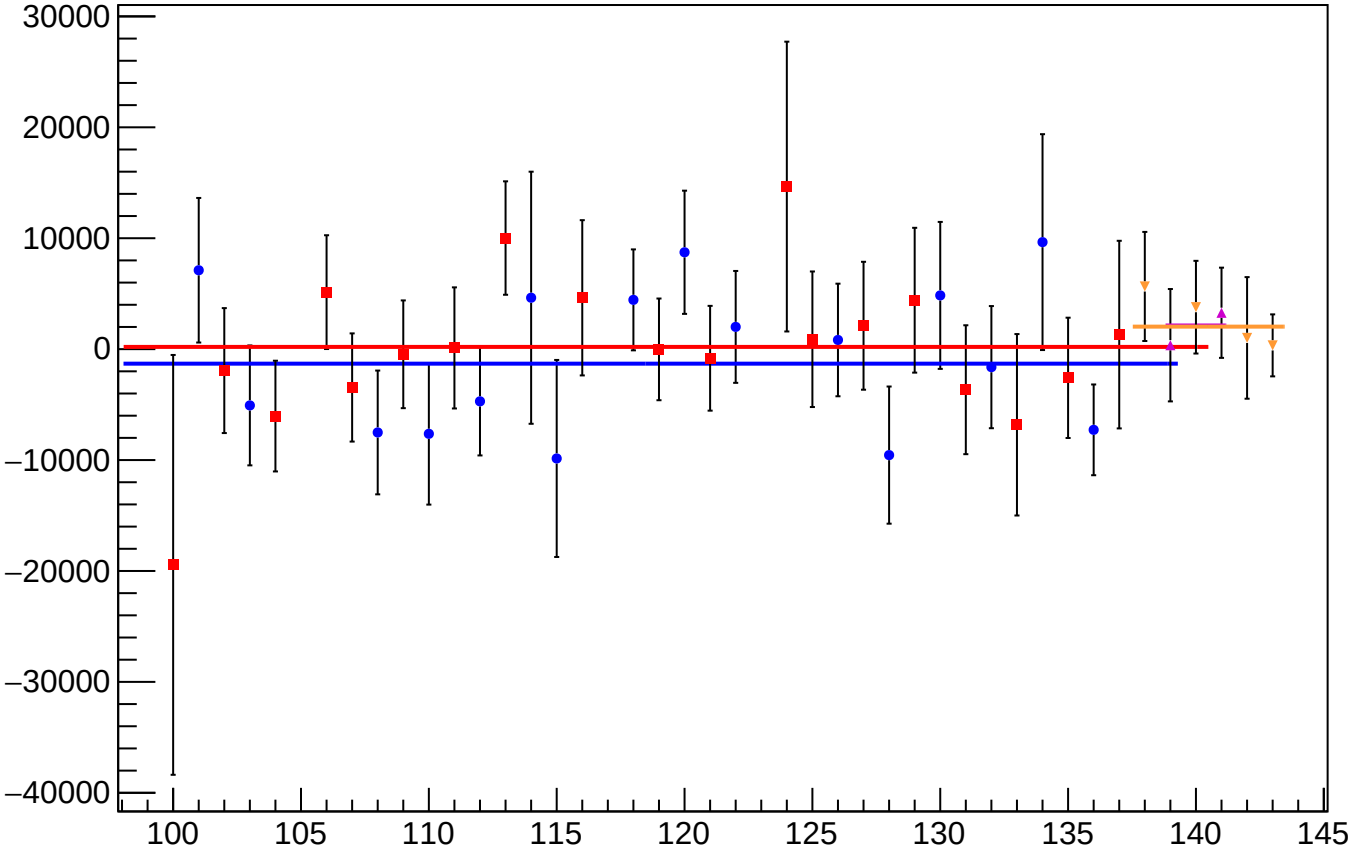
Left In: 4146.807+/-2.244 χ^2/NDF:24942.3/1

+ sign 3398.936+/-0.772 χ^2/NDF: 719535.2/19

All: 3356.482+/-0.553 χ^2/NDF: 1681527.9/40

- sign 3311.619+/-0.794 χ^2/NDF: 955774.0/20

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2029.752+/-1961.527 χ^2/NDF:1.1/3

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

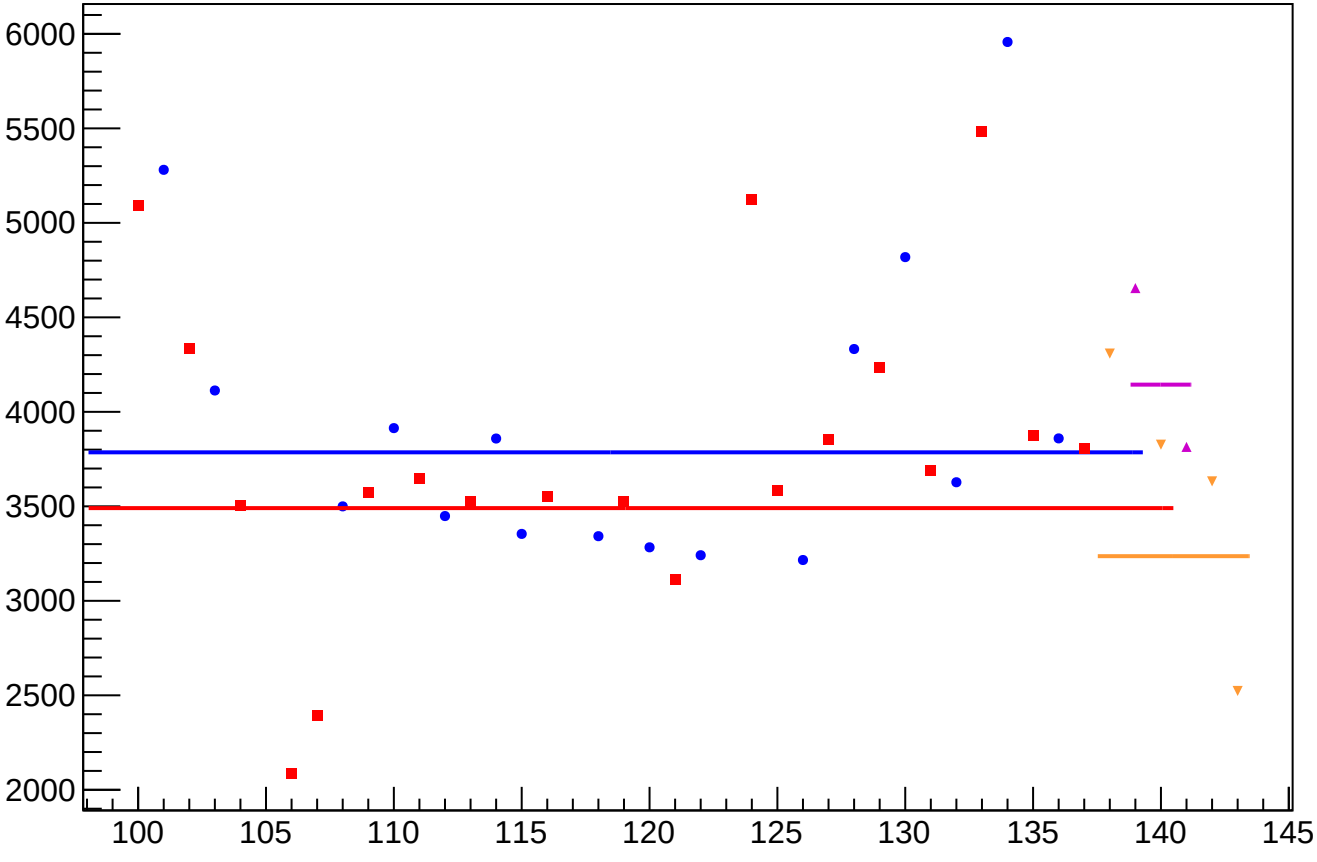
Left In: 2133.541+/-3171.289 χ^2/NDF:0.2/1

\+ sign -148.846+/-1156.386 χ^2/NDF: 20.6/19

All: 151.883+/-842.914 χ^2/NDF: 32.9/40

\- sign 492.812+/-1231.253 χ^2/NDF: 12.2/20

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

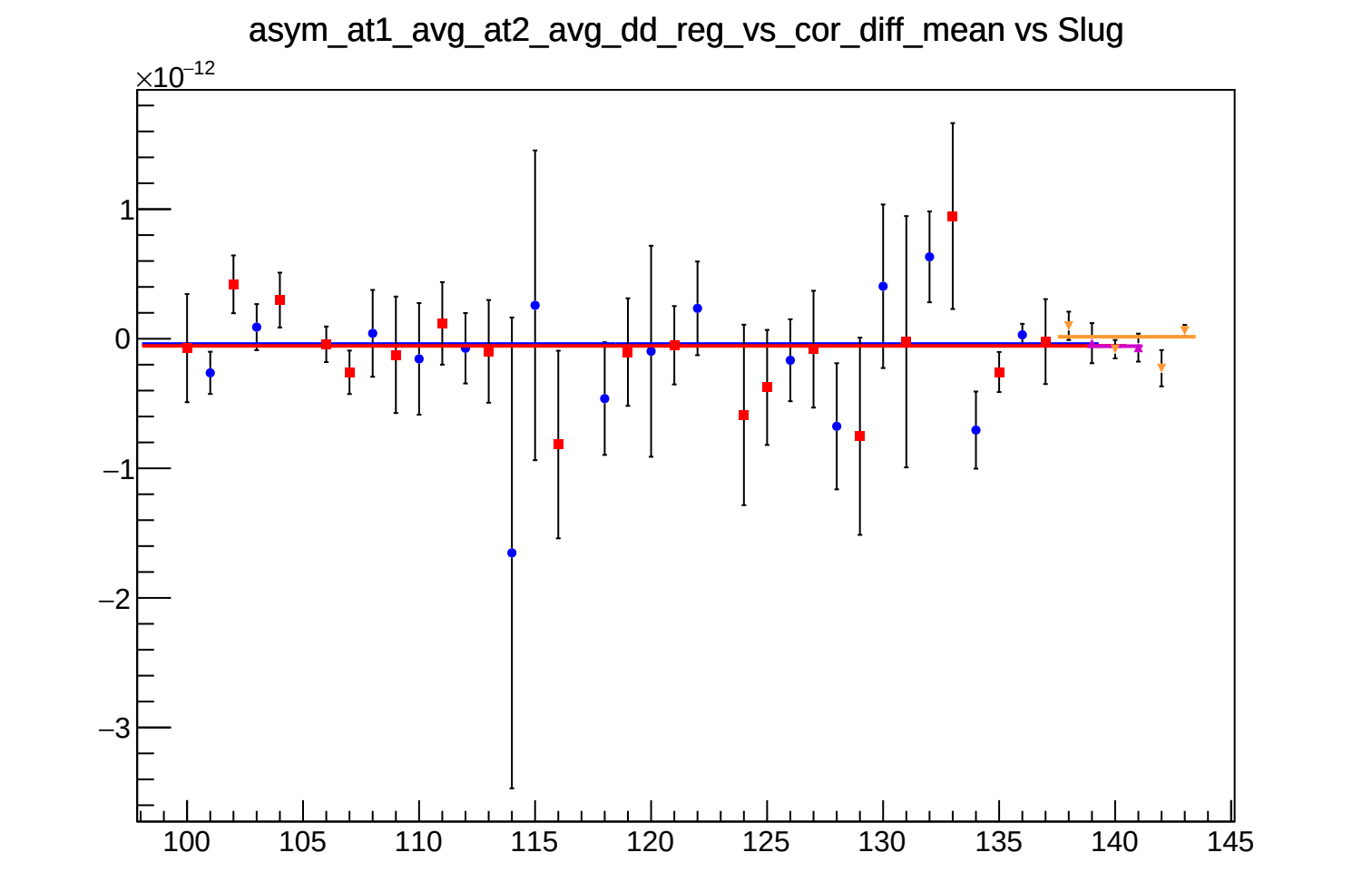
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

+ sign 3594.800+/-0.818 χ^2/NDF: 760972.7/19

All: 3591.016+/-0.593 χ^2/NDF: 1453600.9/40

- sign 3586.825+/-0.861 χ^2/NDF: 692583.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/3

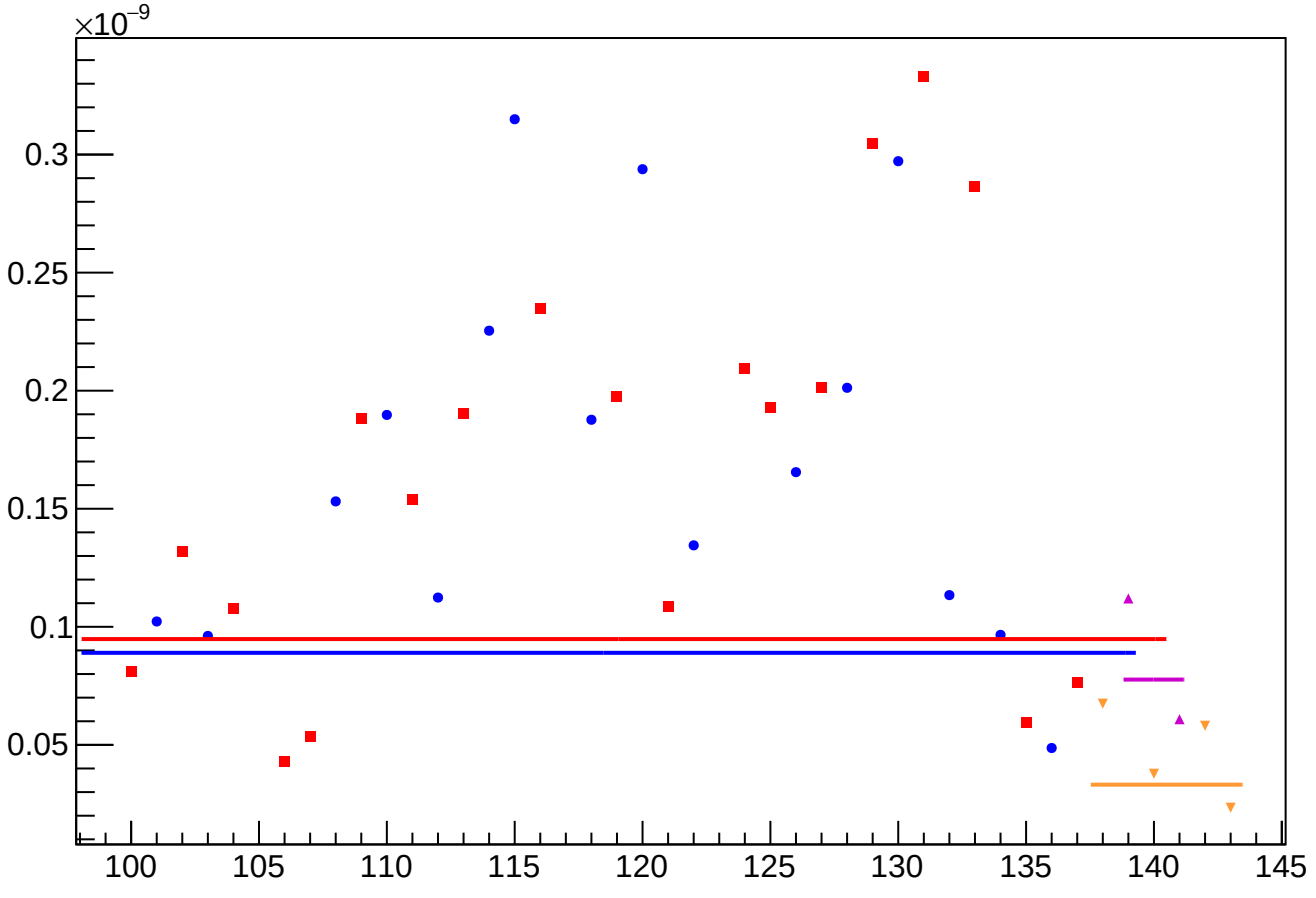
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/19

All: -0.000+/-0.000 χ^2/NDF: 40.7/40

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



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

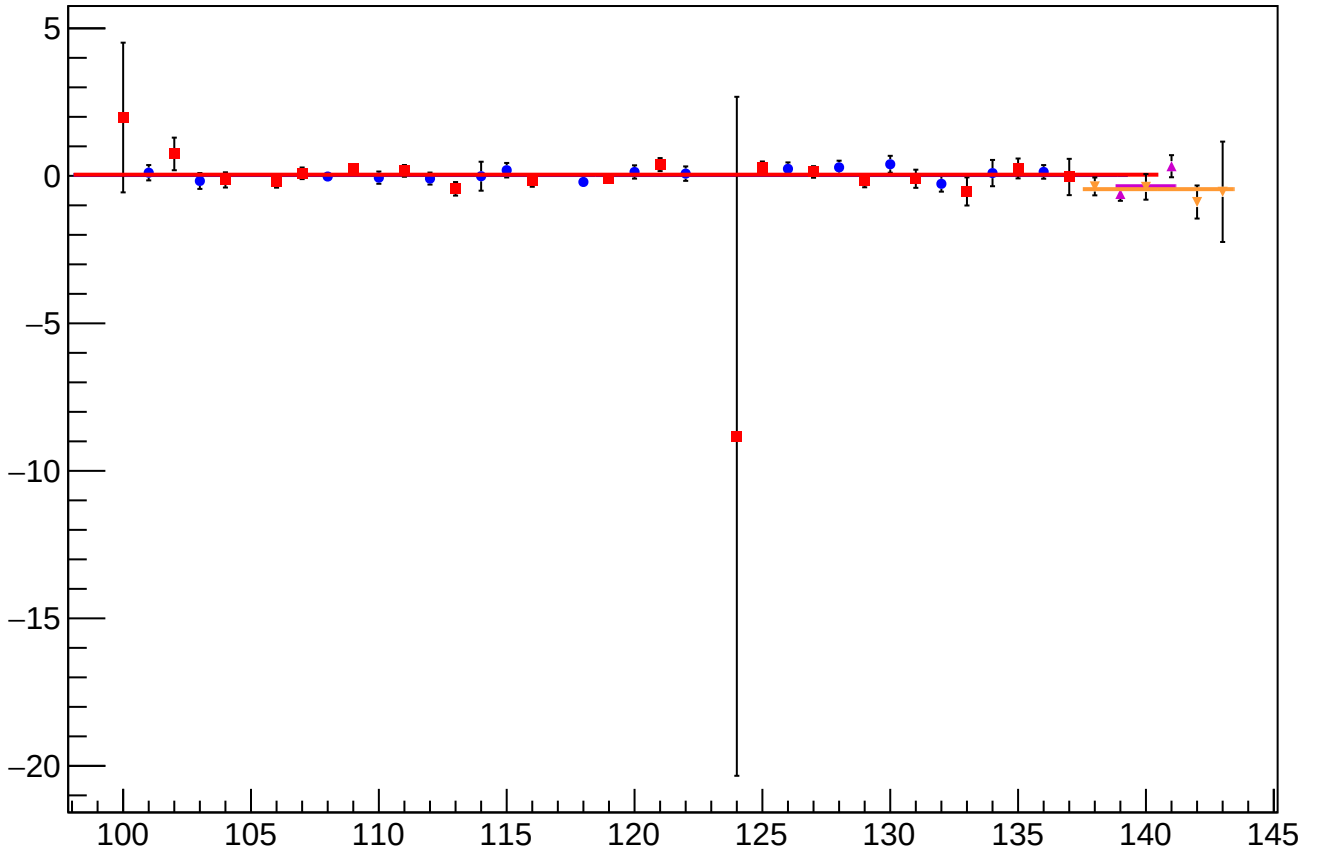
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 3167531.1/19

All: 0.000+/-0.000 χ^2/NDF: 6072633.0/40

- sign 0.000+/-0.000 χ^2/NDF: 1930525.7/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

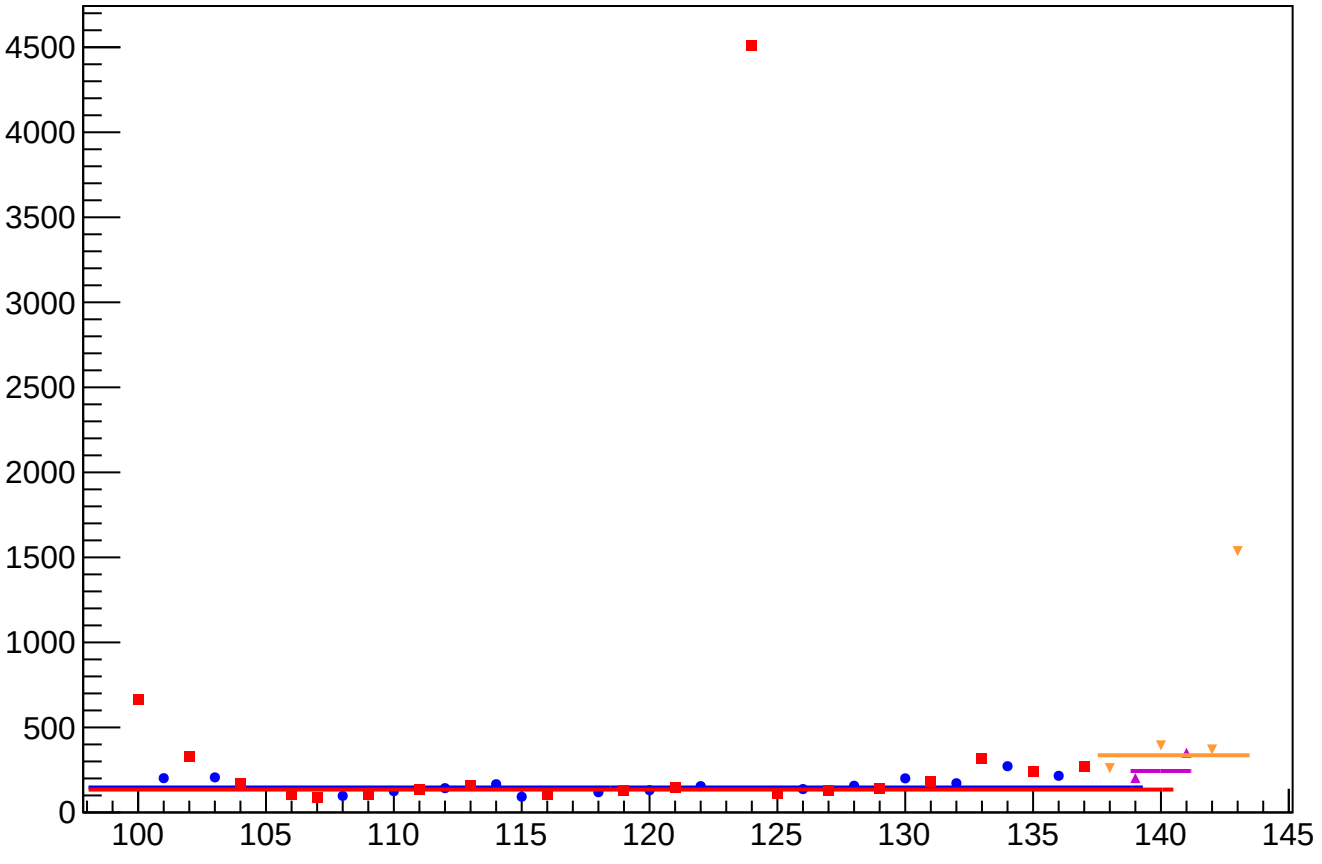
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 336.413+/-0.159 χ^2/NDF:1164908.8/3

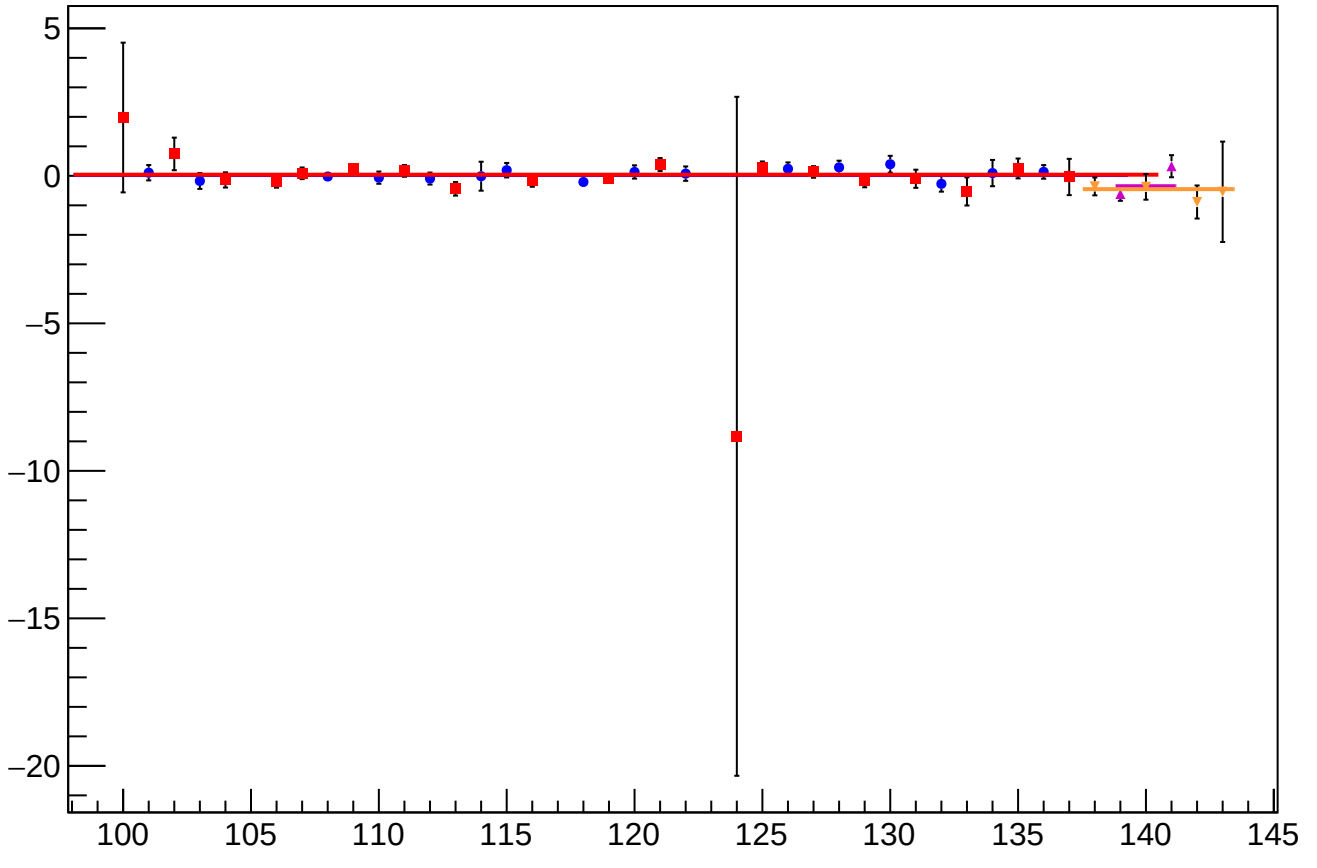
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496706.4/19

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

- sign 142.303+/-0.037 χ^2/NDF: 2401441.7/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

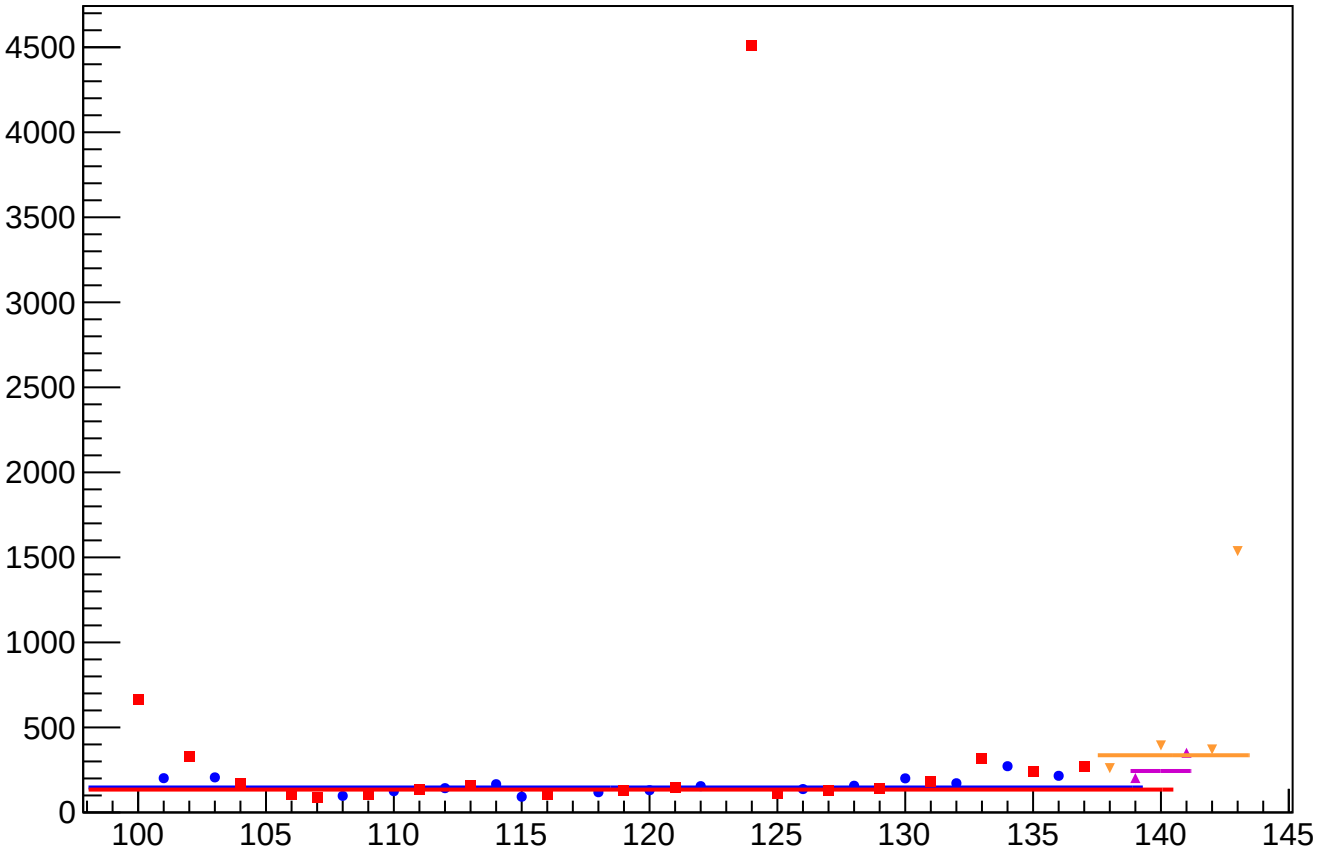
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 336.413+/-0.159 χ^2/NDF:1164908.8/3

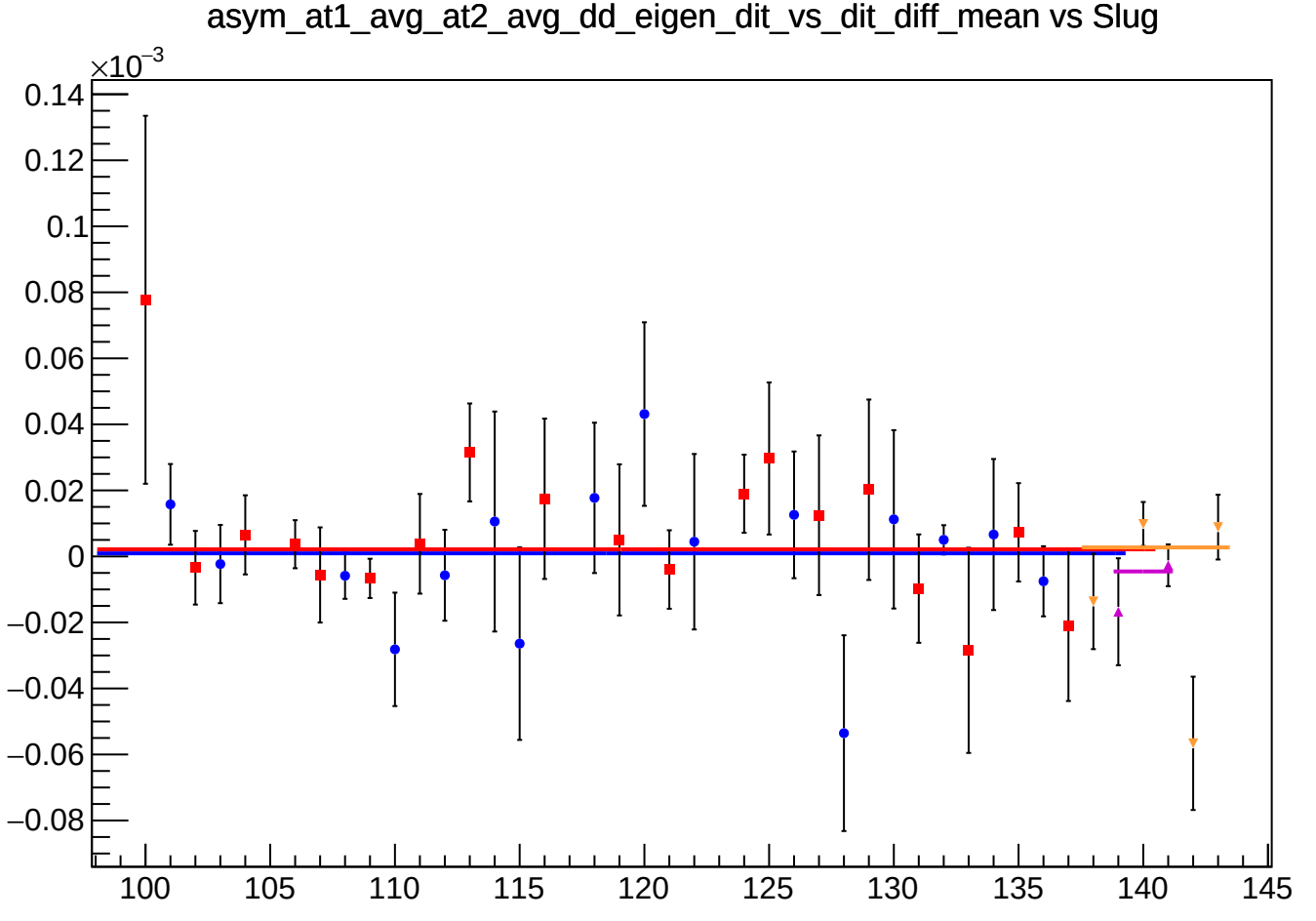
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496706.4/19

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

- sign 142.303+/-0.037 χ^2/NDF: 2401441.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/3

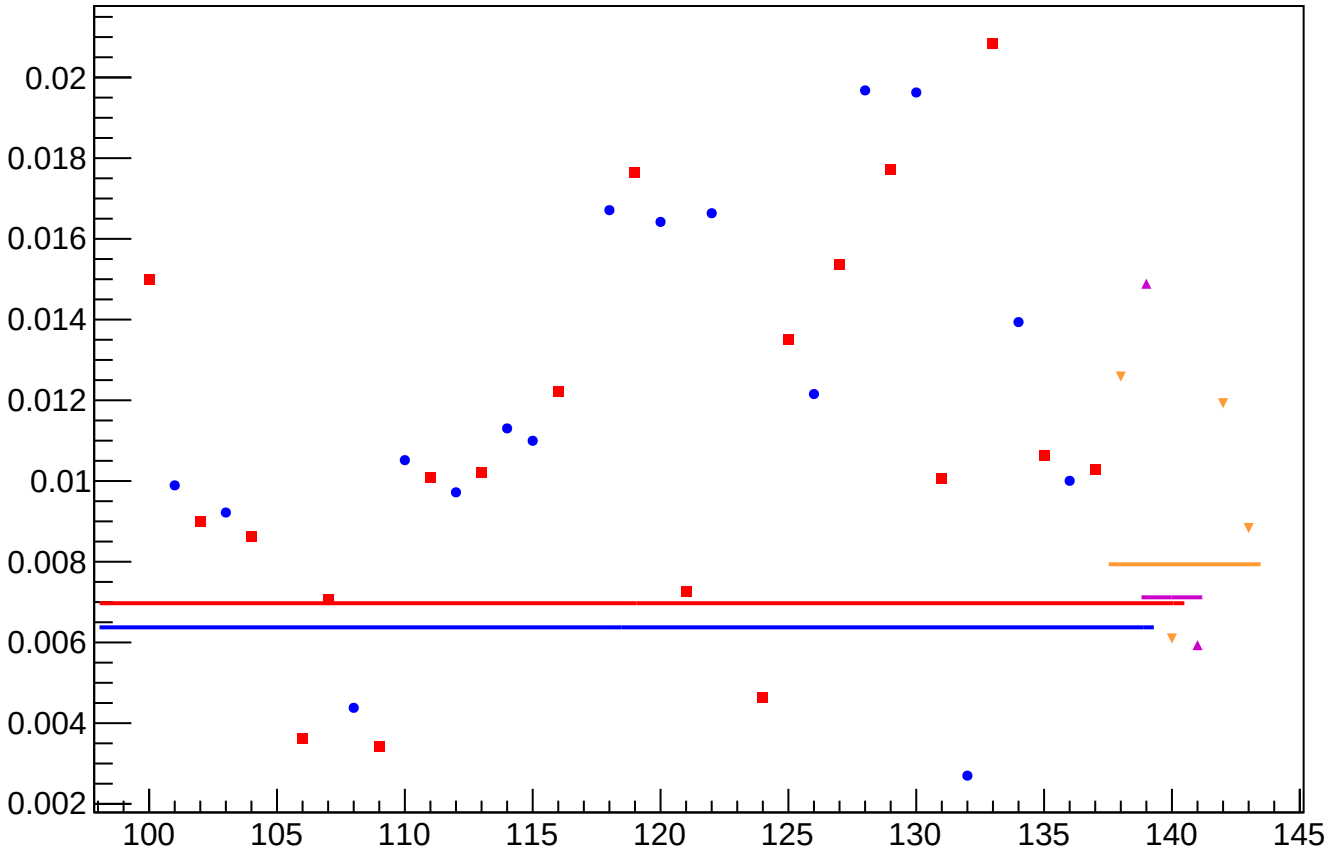
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 26.4/19

All: 0.000+/-0.000 χ^2/NDF: 44.2/40

- sign 0.000+/-0.000 χ^2/NDF: 17.7/20



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:454111.8/3

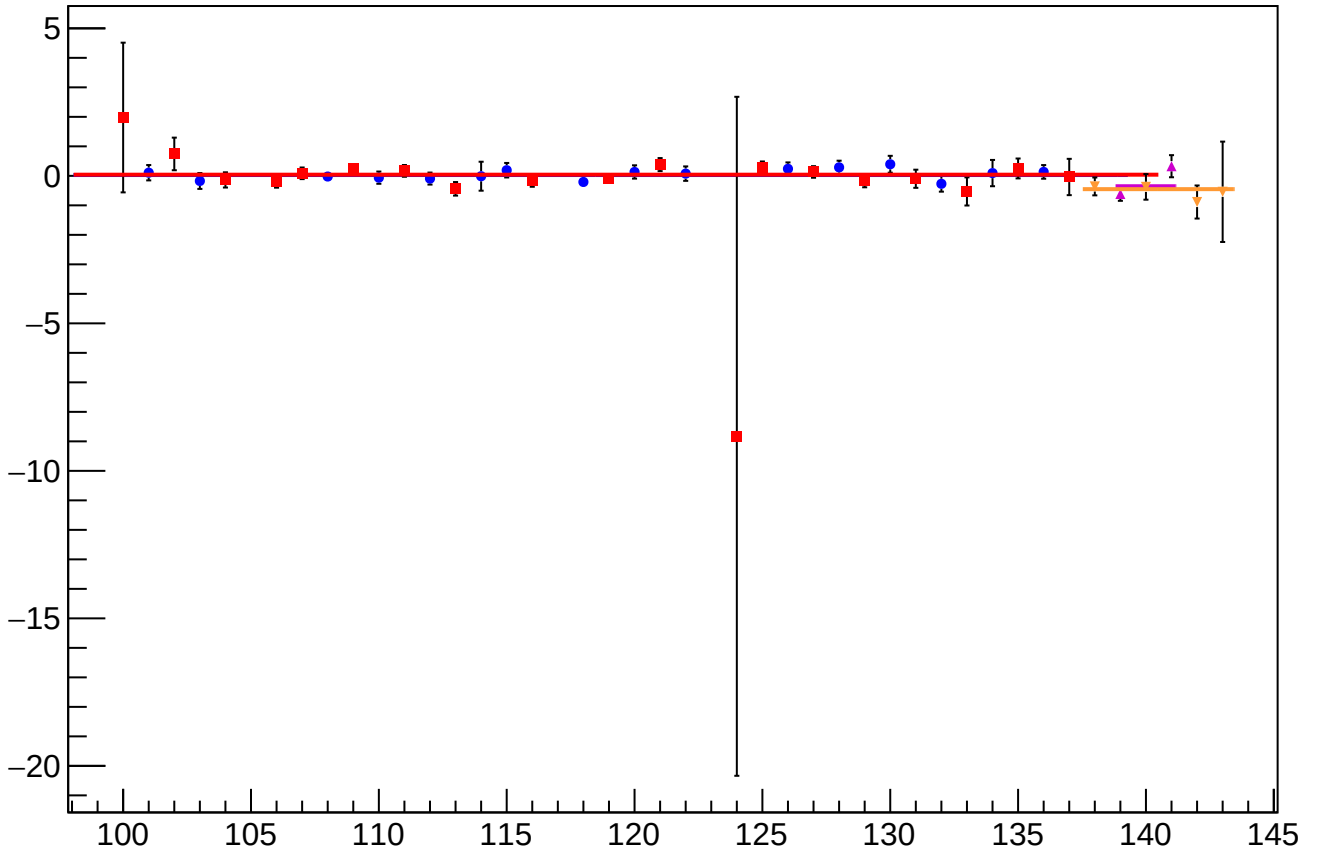
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:530472.1/1

+ sign 0.007+/-0.000 χ^2/NDF: 5239821.2/19

All: 0.007+/-0.000 χ^2/NDF: 9188865.3/40

- sign 0.007+/-0.000 χ^2/NDF: 3941392.2/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

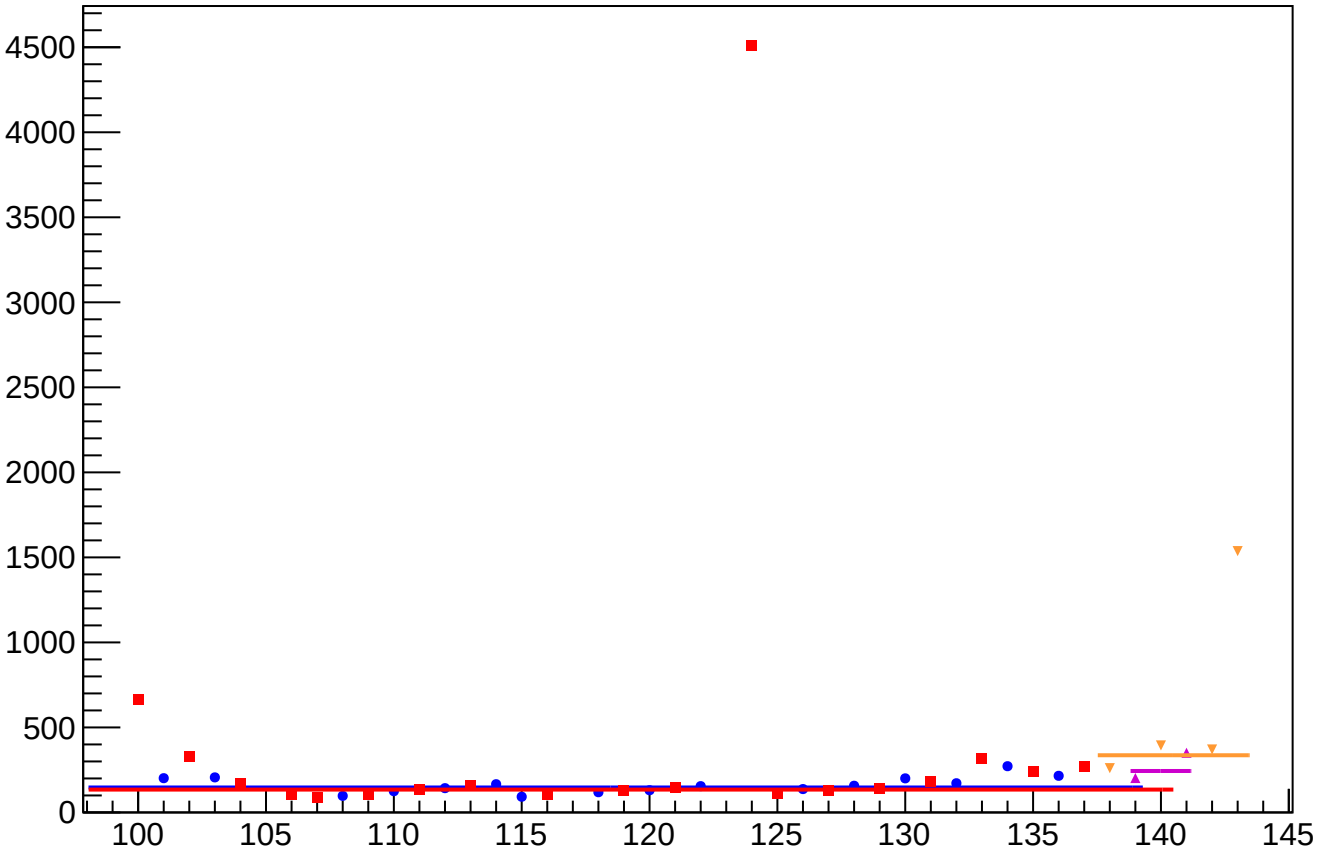
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 336.417+/-0.159 χ^2/NDF:1164898.4/3

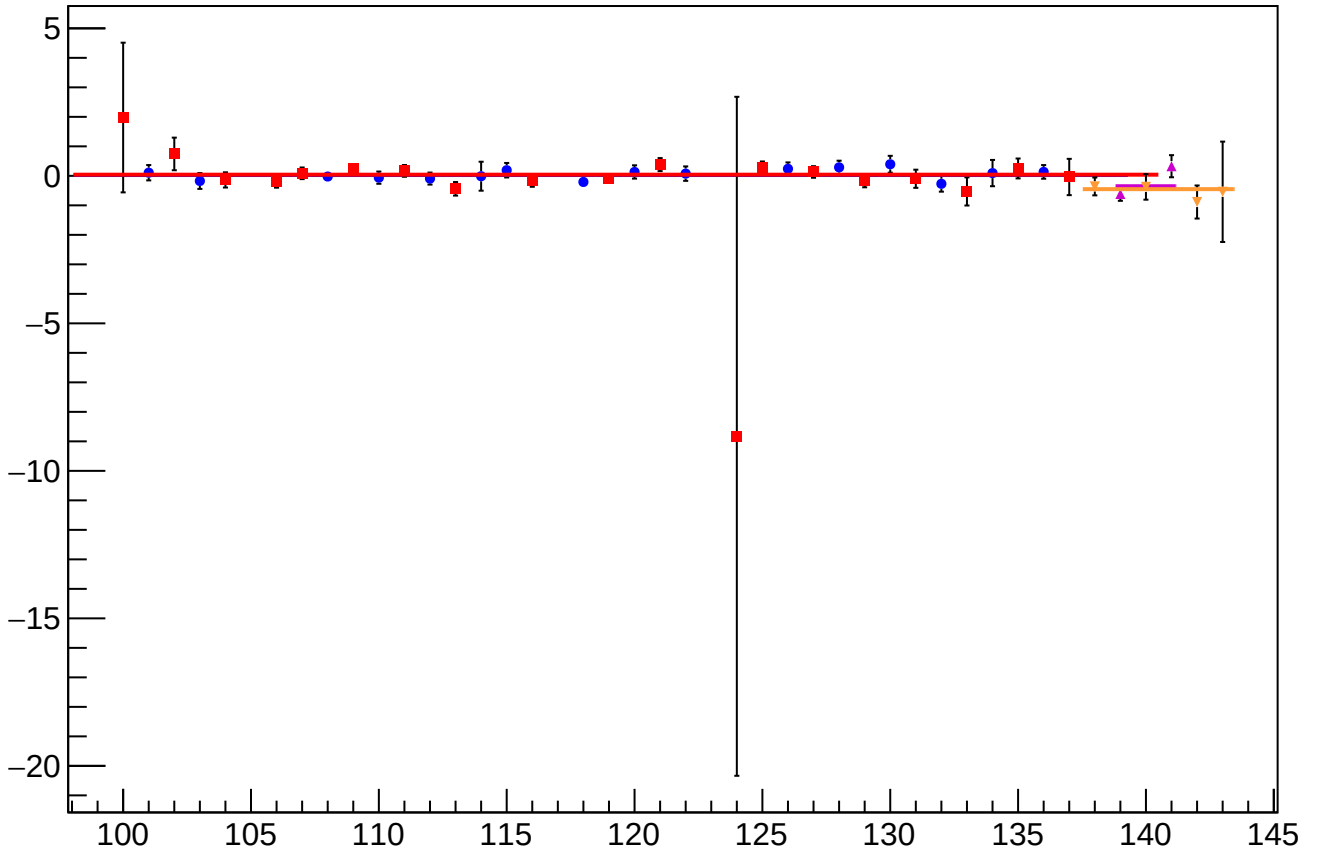
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496670.5/19

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40

- sign 142.304+/-0.037 χ^2/NDF: 2401371.6/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

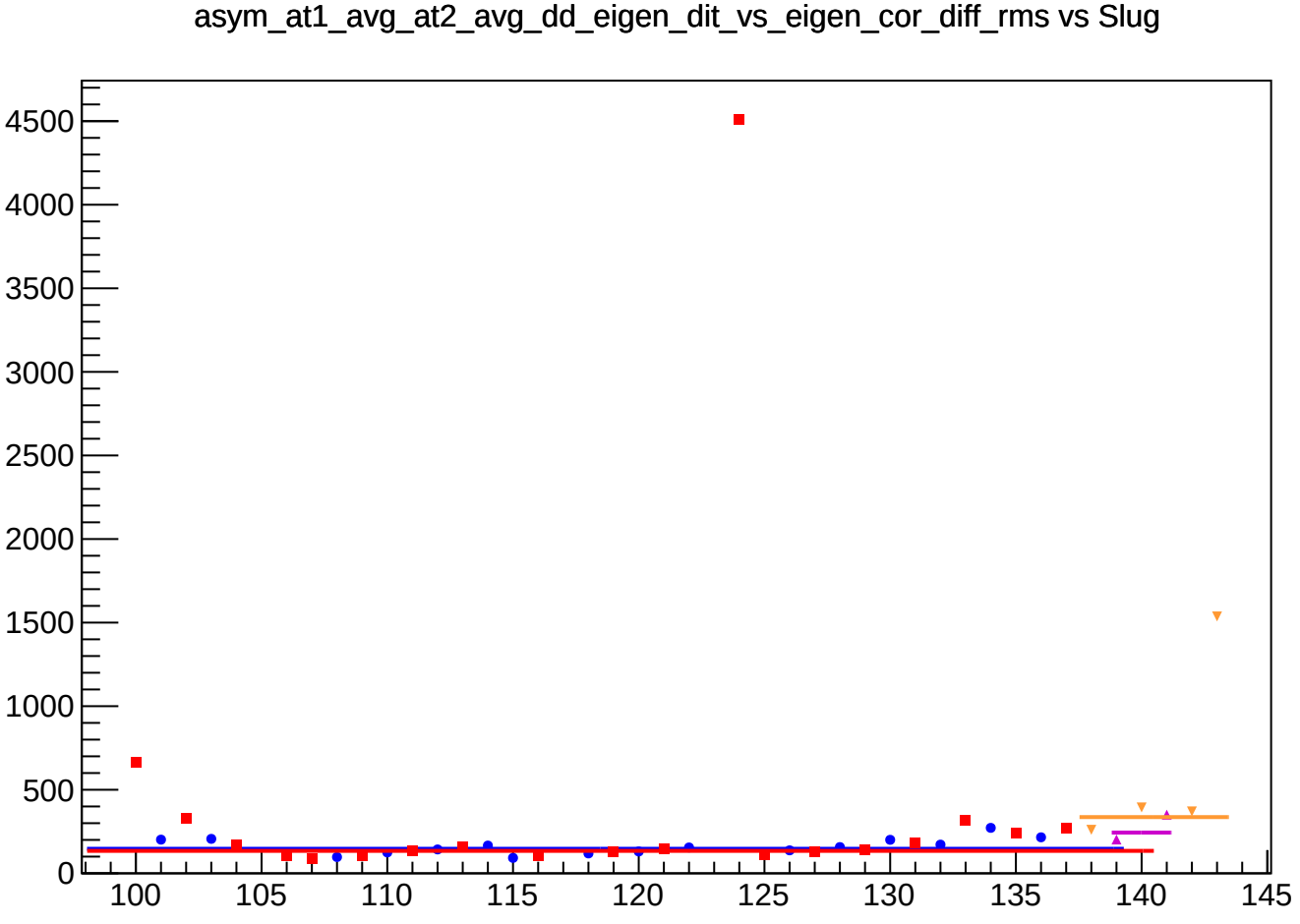
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 336.417+/-0.159 χ^2/NDF:1164898.4/3

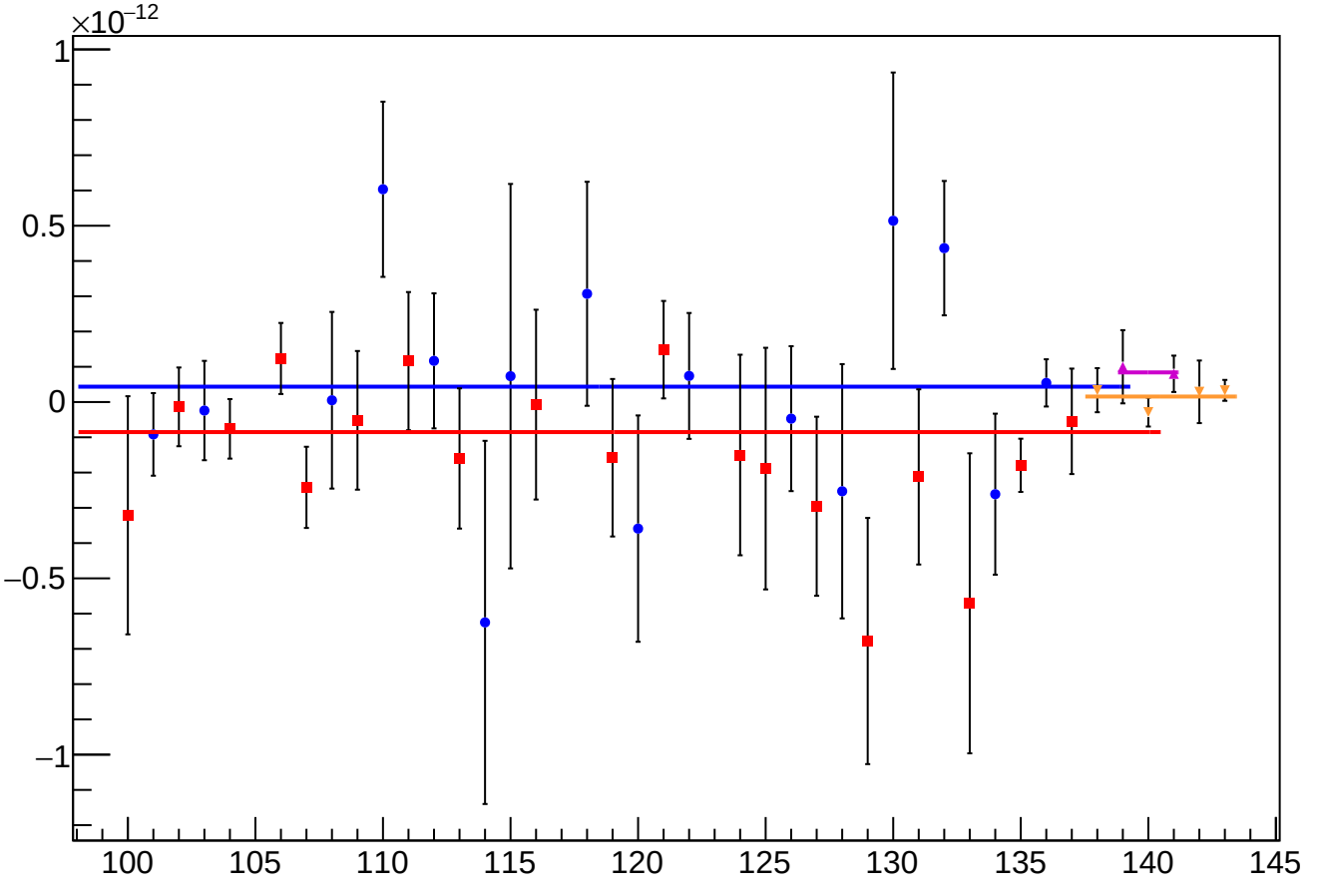
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496670.5/19

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40

- sign 142.304+/-0.037 χ^2/NDF: 2401371.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

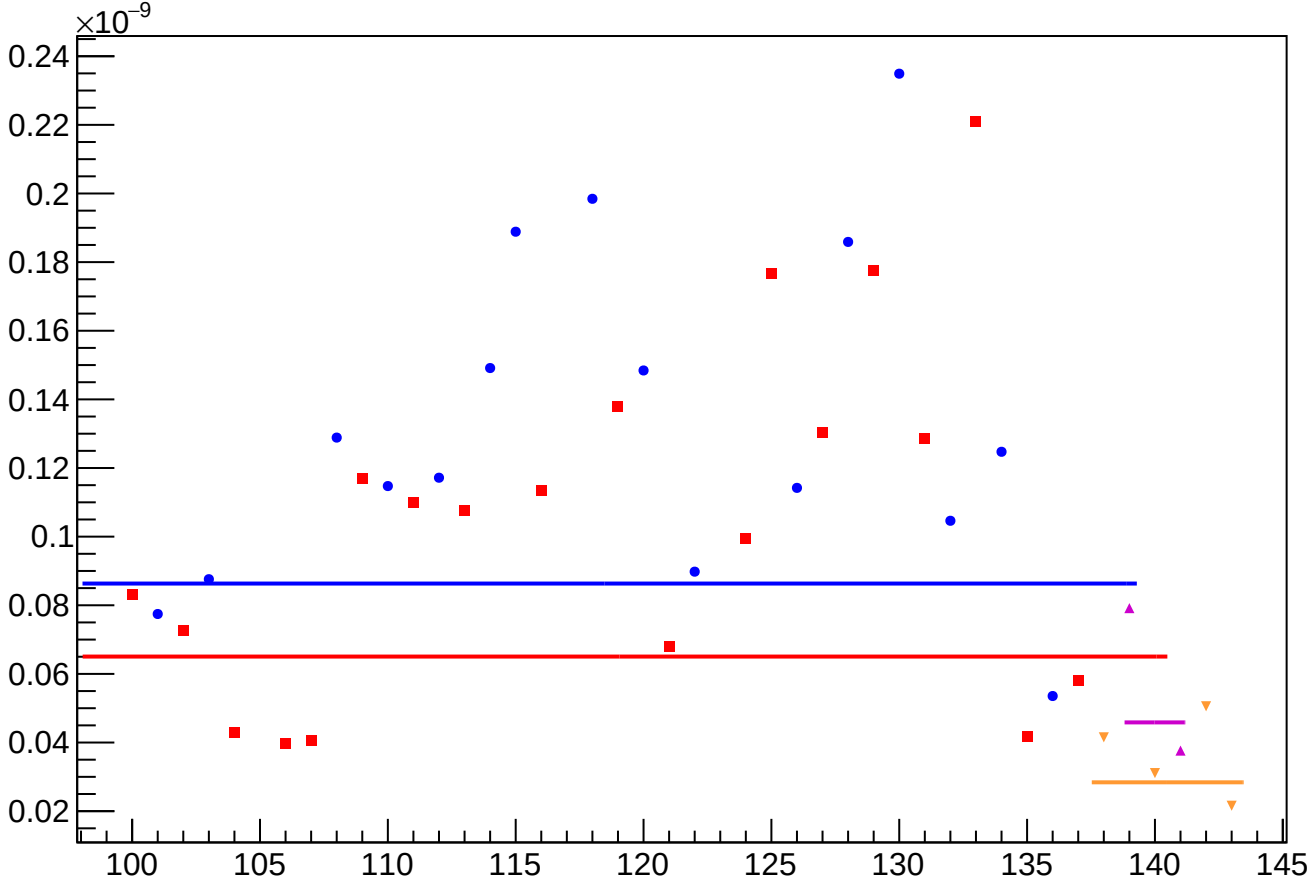
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 20.9/19

All: 0.000+/-0.000 χ^2/NDF: 49.7/40

- sign -0.000+/-0.000 χ^2/NDF: 26.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:327111.3/3

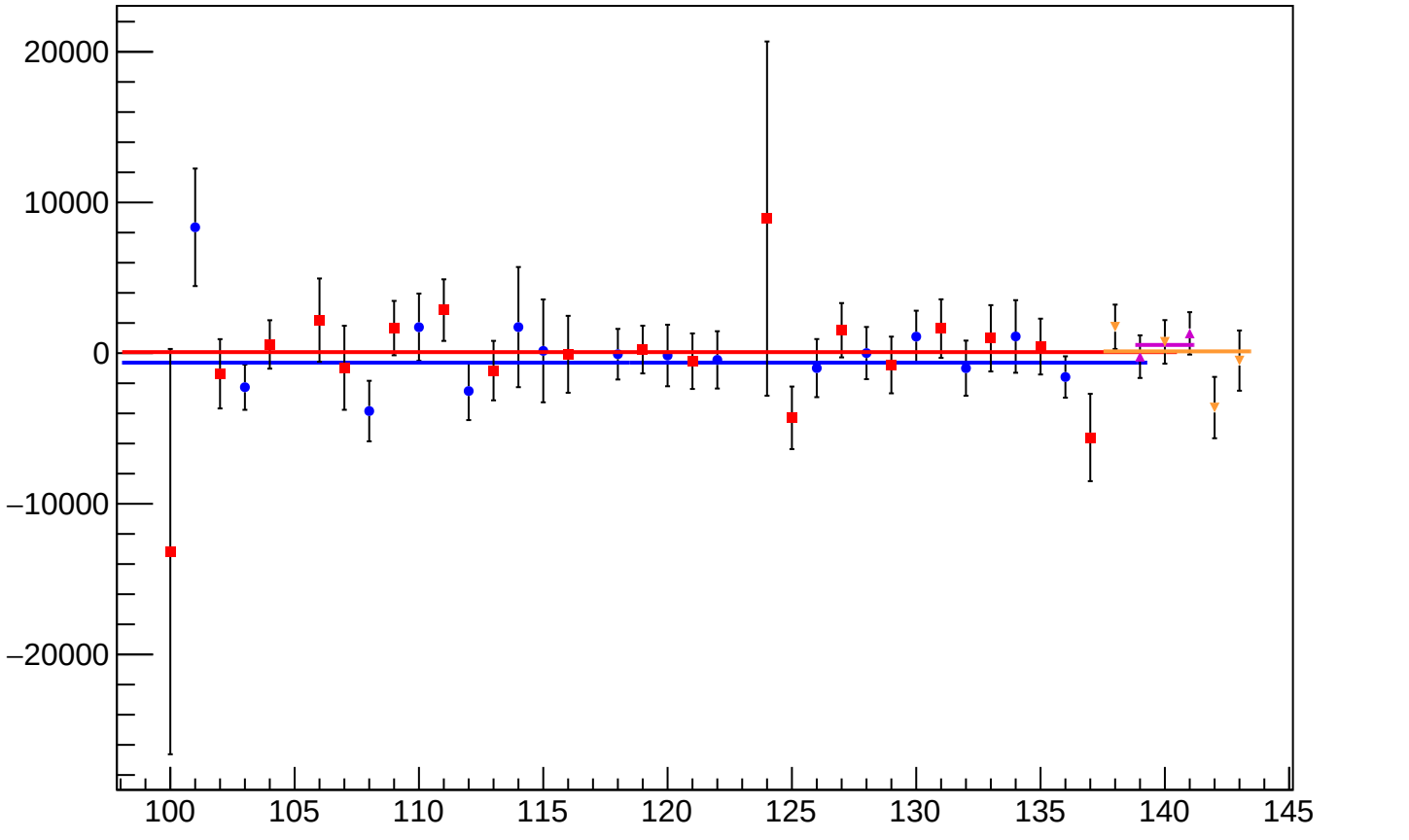
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 4811858.3/19

All: 0.000+/-0.000 χ^2/NDF: 8019028.8/40

- sign 0.000+/-0.000 χ^2/NDF: 2638271.2/20



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.630+/-835.862 χ^2/NDF:4.9/3

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

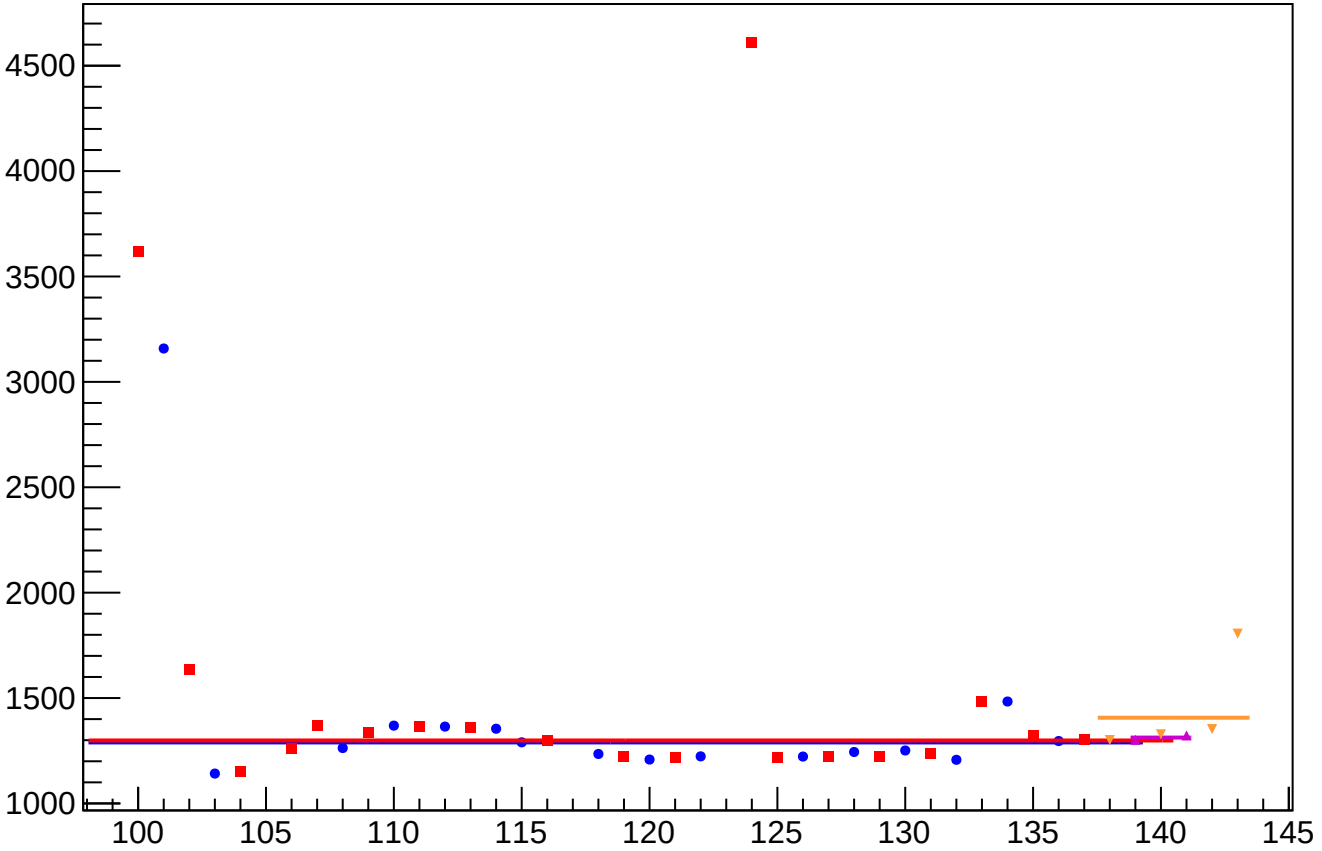
Left In: 544.636+/-997.379 χ^2/NDF:0.6/1

+ sign -440.338+/-421.860 χ^2/NDF: 19.4/19

All: -151.692+/-303.902 χ^2/NDF: 37.0/40

- sign 159.704+/-438.170 χ^2/NDF: 16.7/20

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

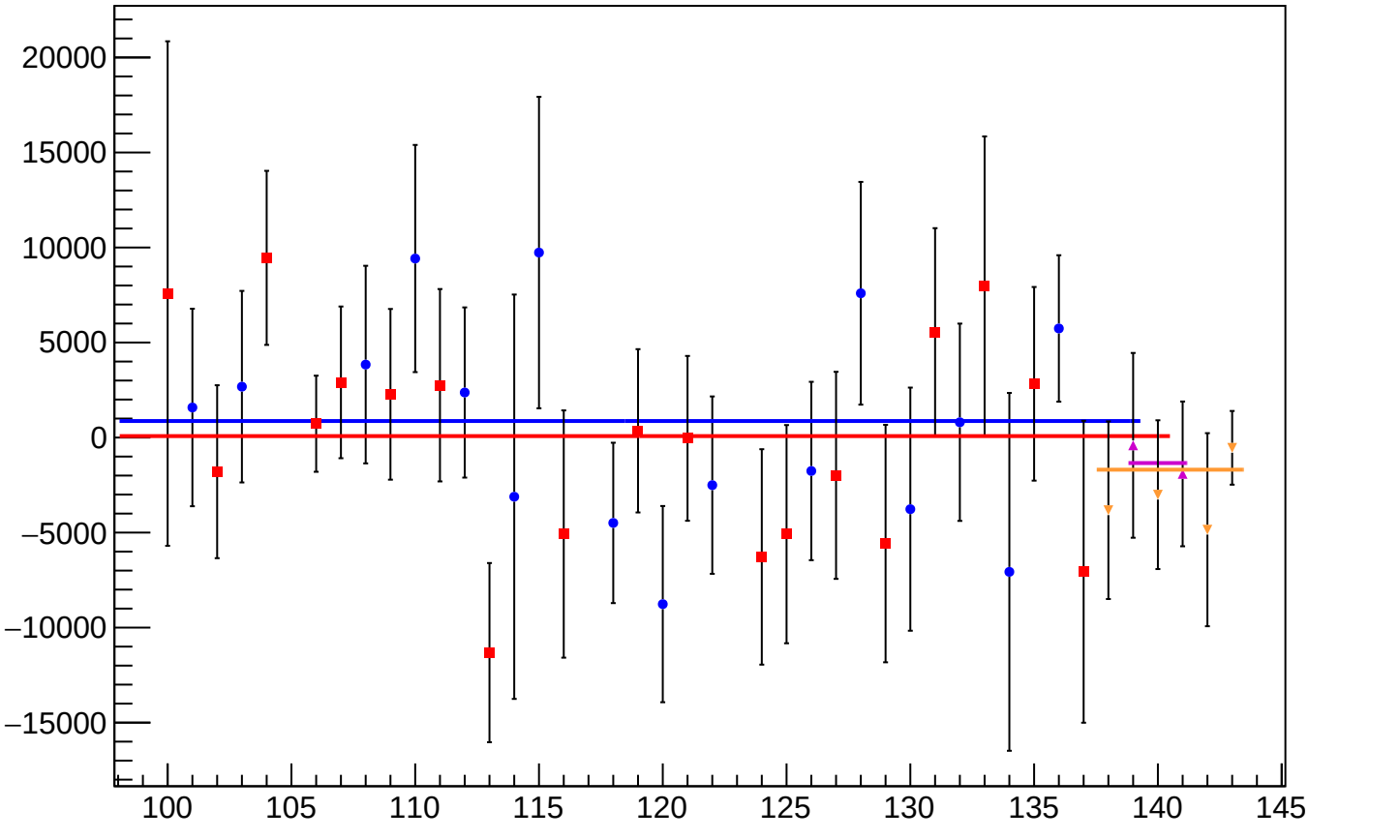
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641366.4/19

All: 1310.634+/-0.215 χ^2/NDF: 963026.0/40

- sign 1301.294+/-0.309 χ^2/NDF: 319897.7/20



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1690.456+/-1551.152 χ^2/NDF:1.1/3

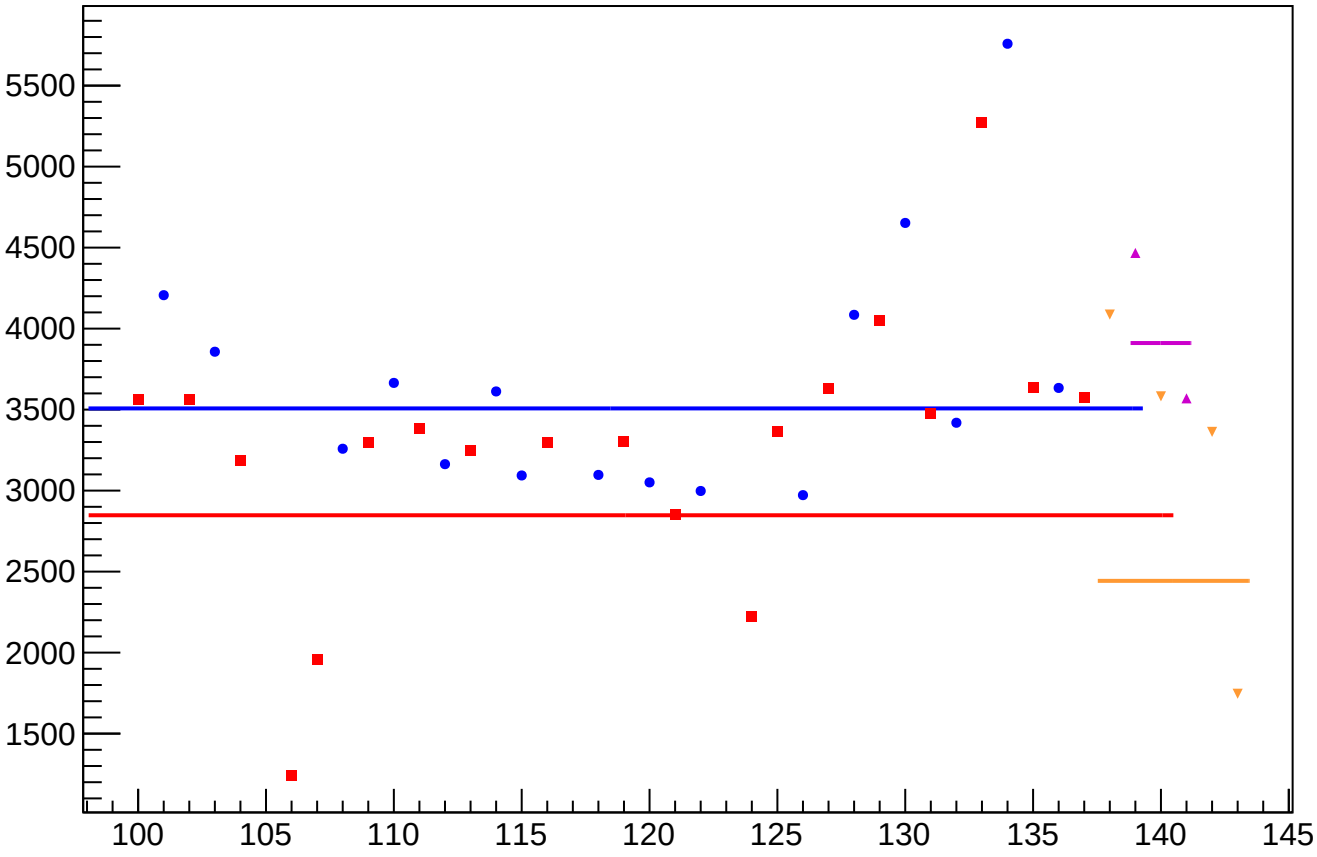
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1340.957+/-2998.457 χ^2/NDF:0.1/1

+ sign -210.228+/-1007.599 χ^2/NDF: 16.7/19

All: -154.010+/-724.285 χ^2/NDF: 35.3/40

- sign -93.905+/-1041.848 χ^2/NDF: 18.6/20



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2442.889+/-1.097 χ^2/NDF:740457.4/3

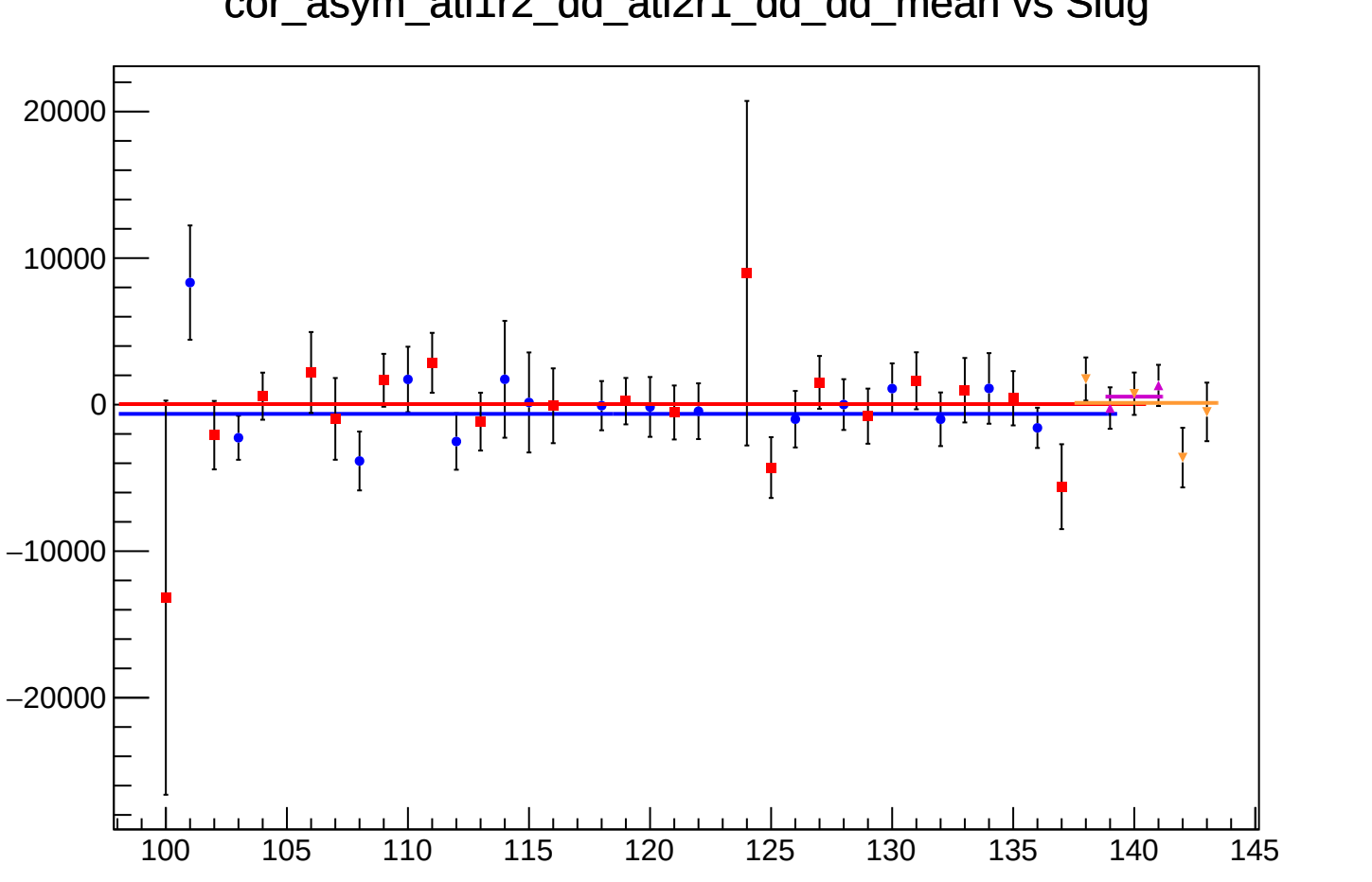
Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3910.991+/-2.120 χ^2/NDF:42242.3/1

+ sign 3058.222+/-0.712 χ^2/NDF: 1638914.9/19

All: 3018.575+/-0.512 χ^2/NDF: 3408019.5/40

- sign 2976.187+/-0.737 χ^2/NDF: 1762697.4/20



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

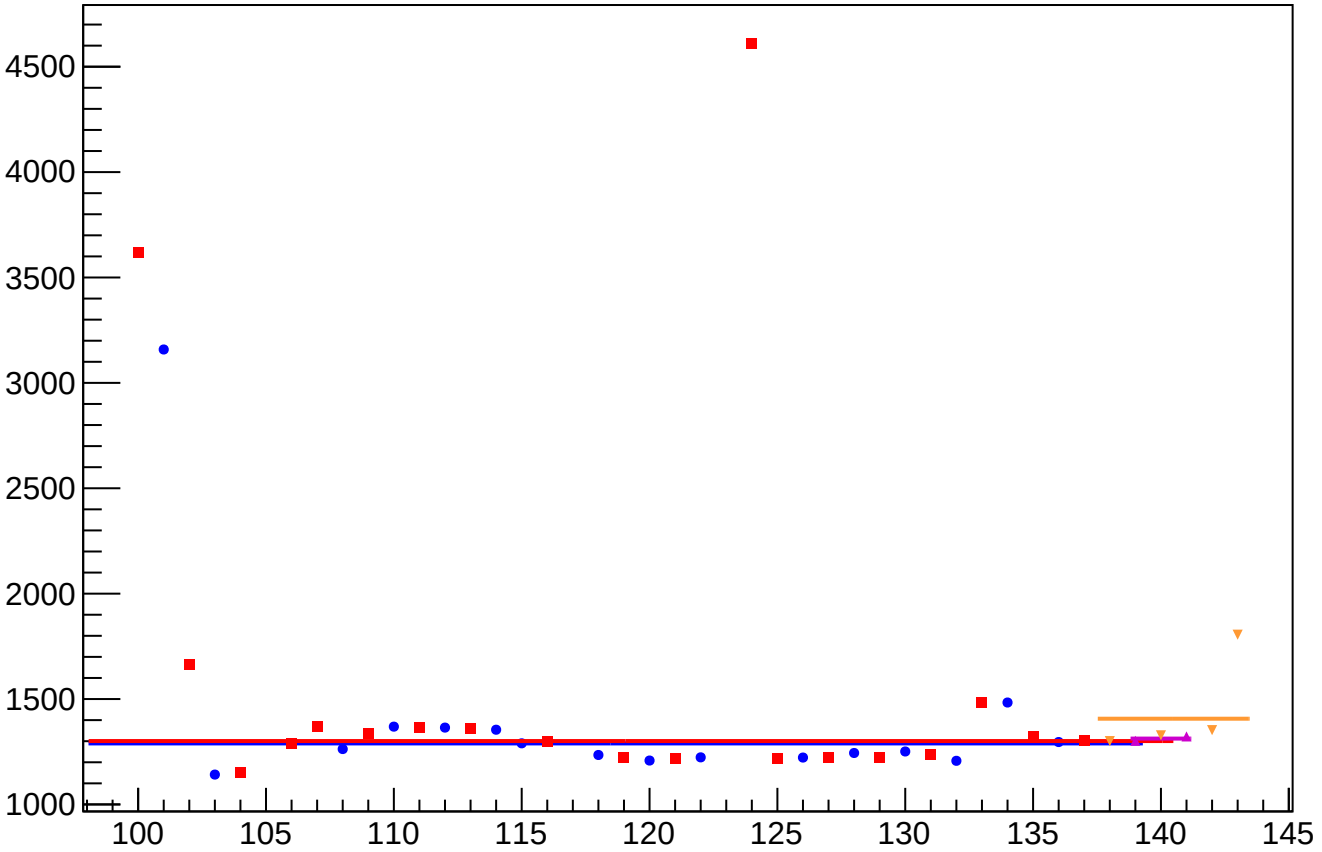
Left In: 544.413+/-997.379 χ^2/NDF:0.6/1

+ sign -440.614+/-421.860 χ^2/NDF: 19.3/19

All: -163.225+/-303.981 χ^2/NDF: 37.4/40

- sign 136.347+/-438.404 χ^2/NDF: 17.1/20

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

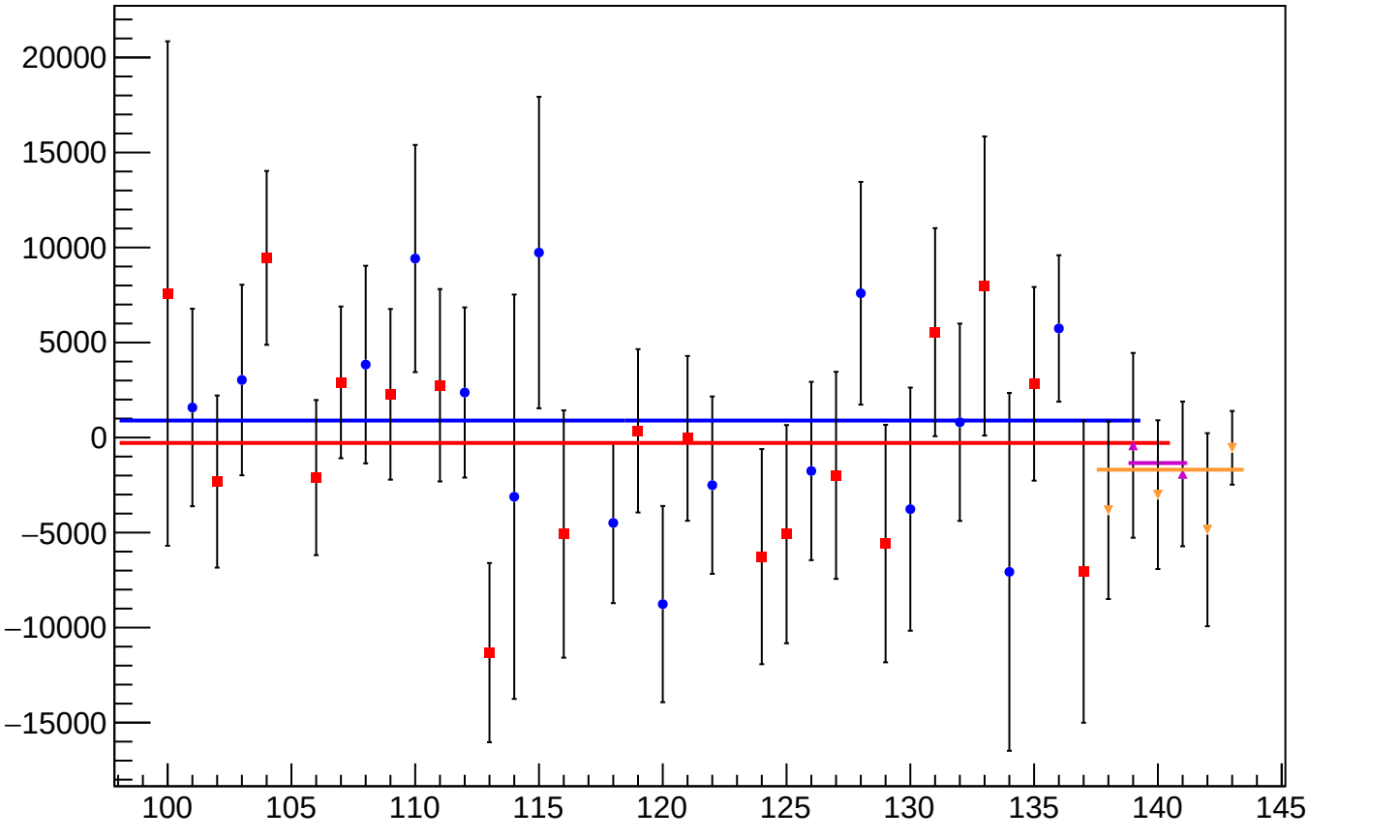
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641367.9/19

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

- sign 1302.938+/-0.310 χ^2/NDF: 326346.6/20



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

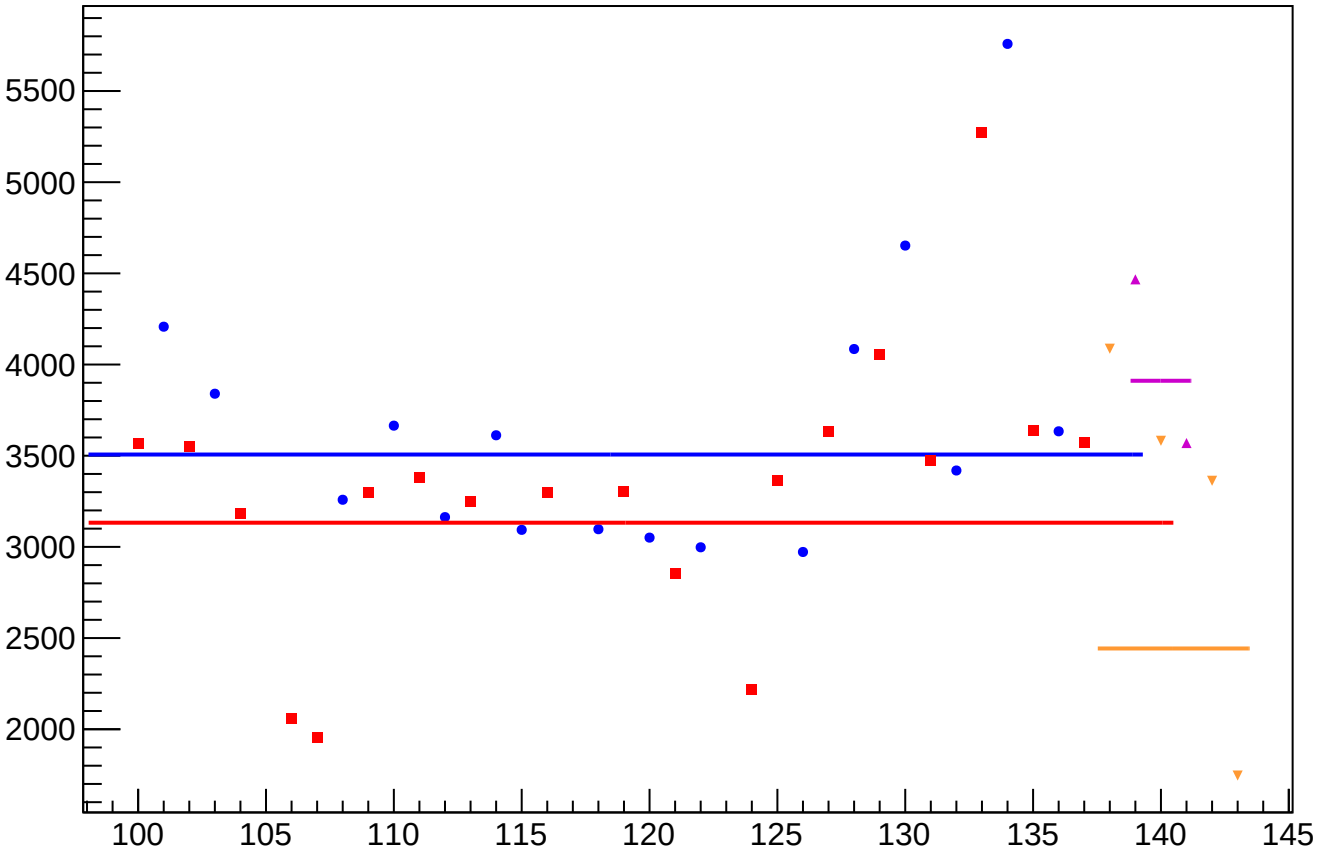
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1340.949+/-2998.450 χ^2/NDF:0.1/1

+ sign -194.829+/-1007.397 χ^2/NDF: 16.8/19

All: -300.382+/-743.102 χ^2/NDF: 35.6/40

- sign -426.367+/-1100.587 χ^2/NDF: 18.8/20



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

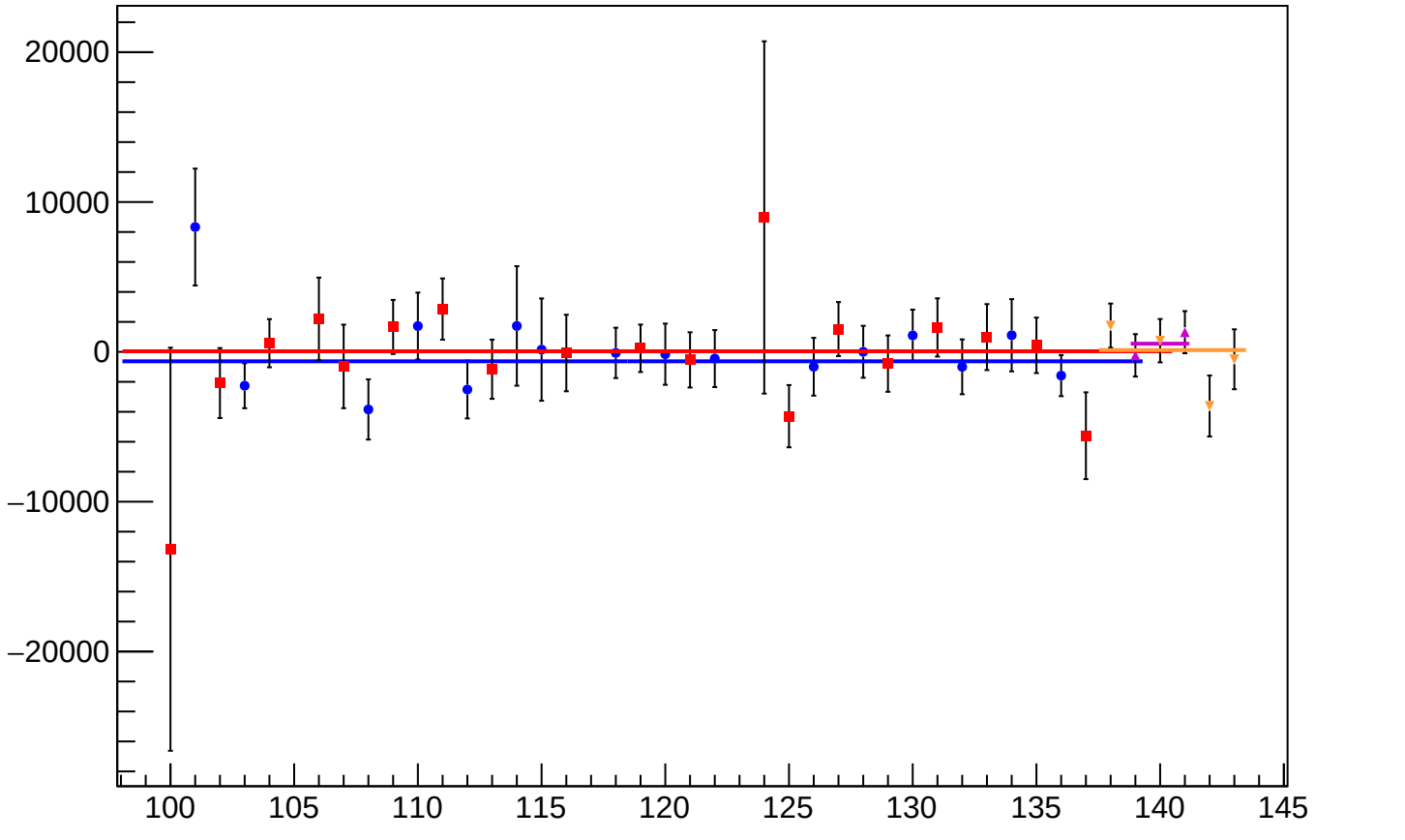
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

\+ sign 3057.865+/-0.712 χ^2/NDF: 1637422.3/19

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40

\- sign 3237.457+/-0.778 χ^2/NDF: 808477.4/20



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

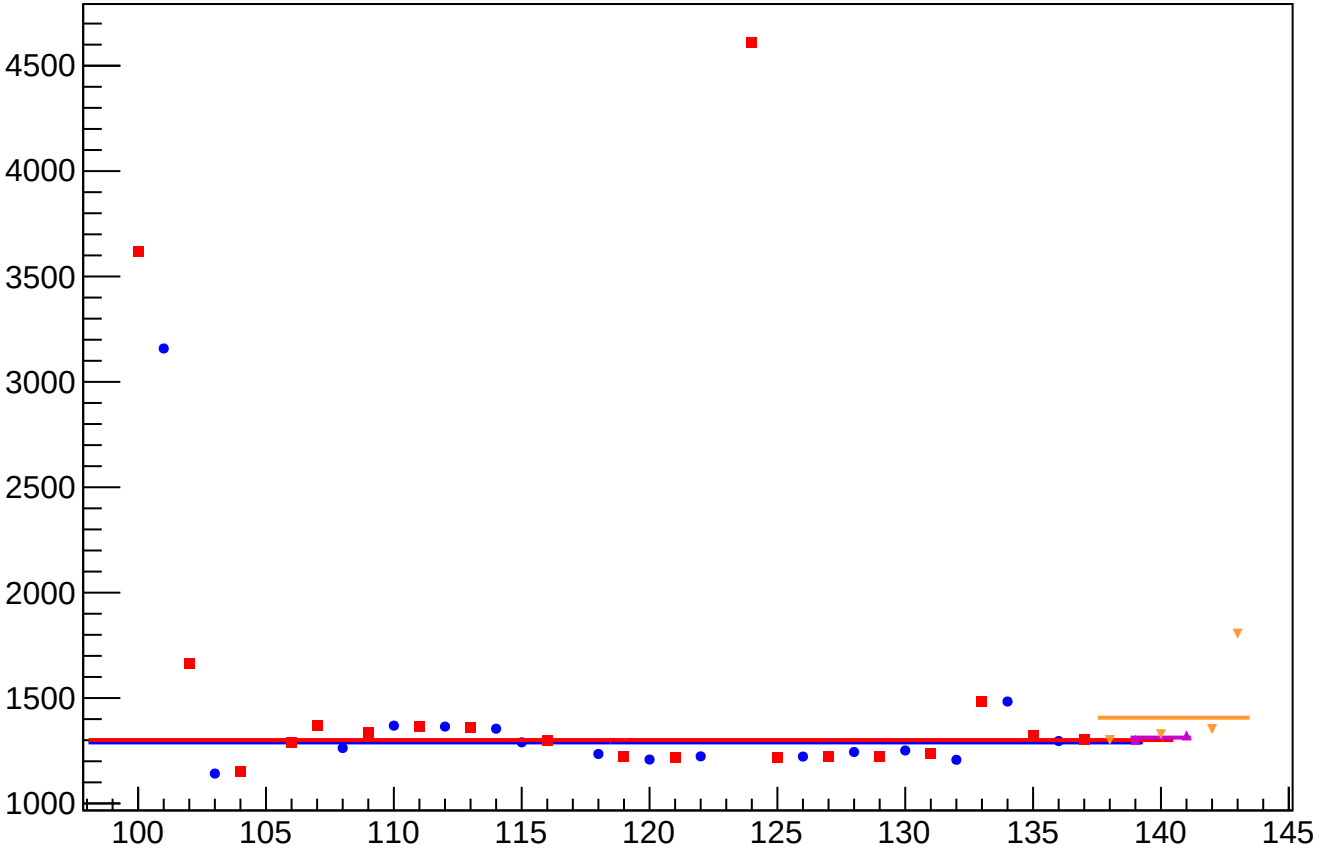
Left In: 544.413+/-997.379 χ^2/NDF:0.6/1

+ sign -440.614+/-421.860 χ^2/NDF: 19.3/19

All: -163.225+/-303.981 χ^2/NDF: 37.4/40

- sign 136.347+/-438.404 χ^2/NDF: 17.1/20

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: 1406.698+/-0.591 χ^2/NDF:97370.8/3

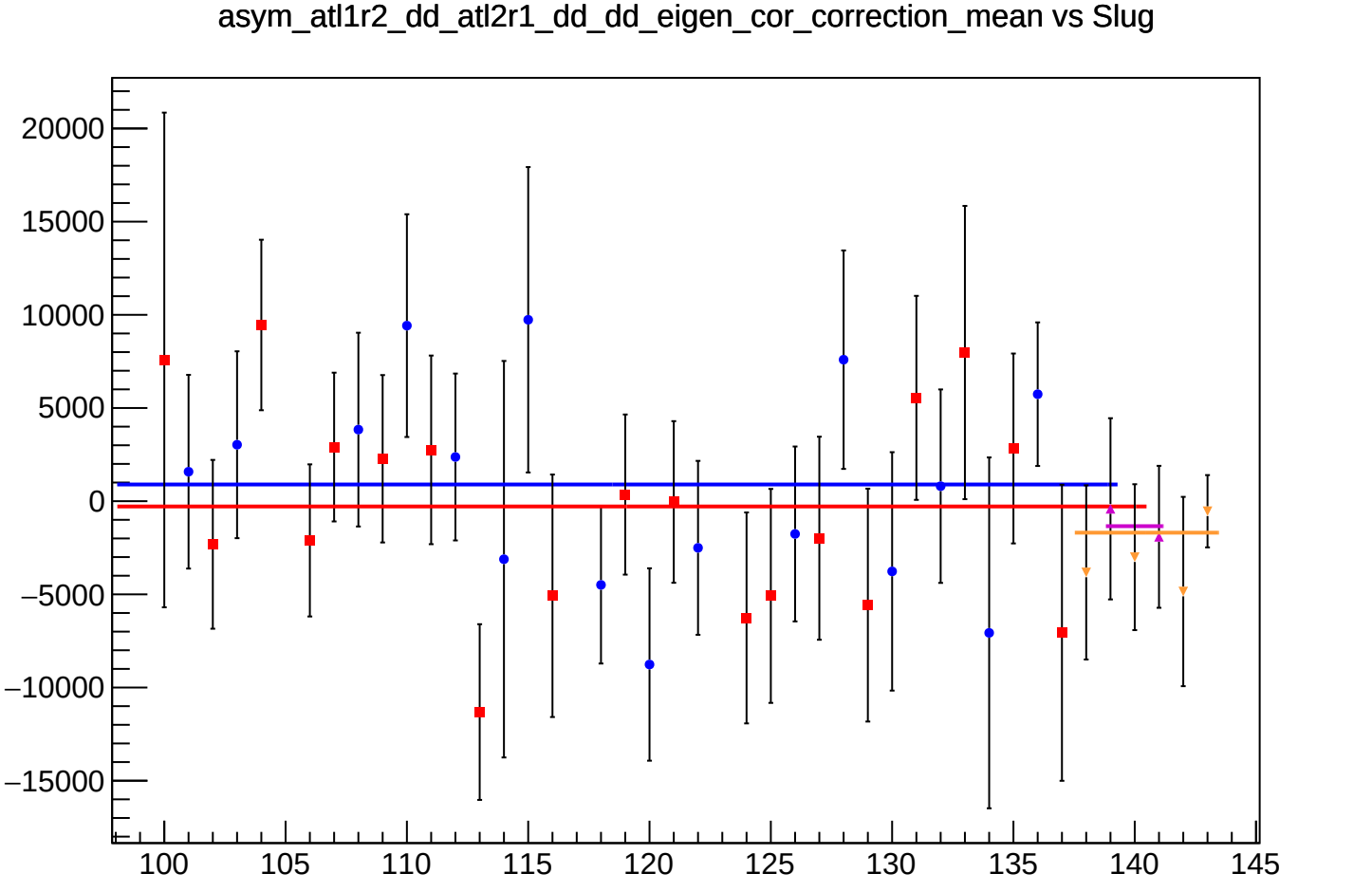
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

+ sign 1319.328+/-0.298 χ^2/NDF: 641367.9/19

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

- sign 1302.938+/-0.310 χ^2/NDF: 326346.6/20



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

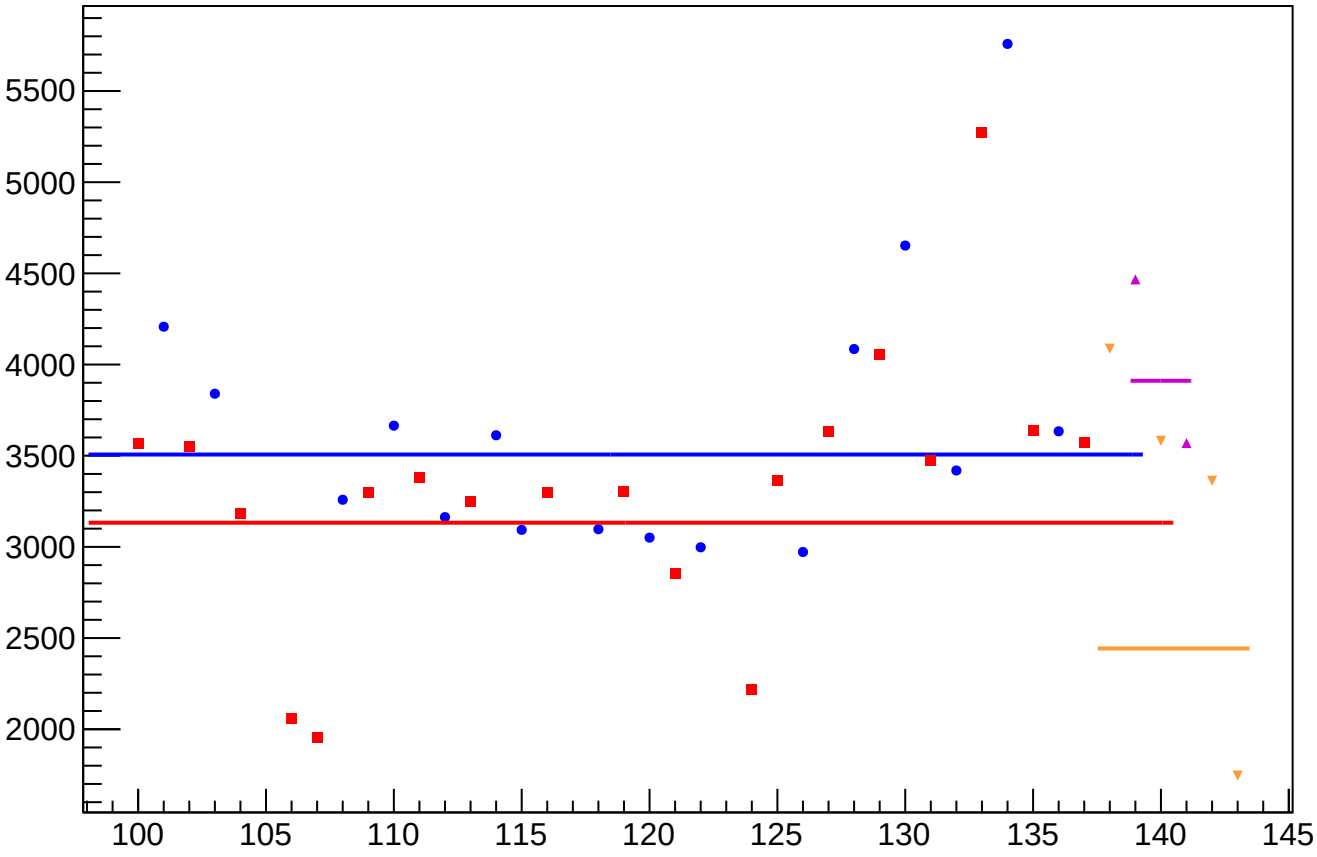
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1340.949+/-2998.450 χ^2/NDF:0.1/1

+ sign -194.829+/-1007.397 χ^2/NDF: 16.8/19

All: -300.382+/-743.102 χ^2/NDF: 35.6/40

- sign -426.367+/-1100.587 χ^2/NDF: 18.8/20



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

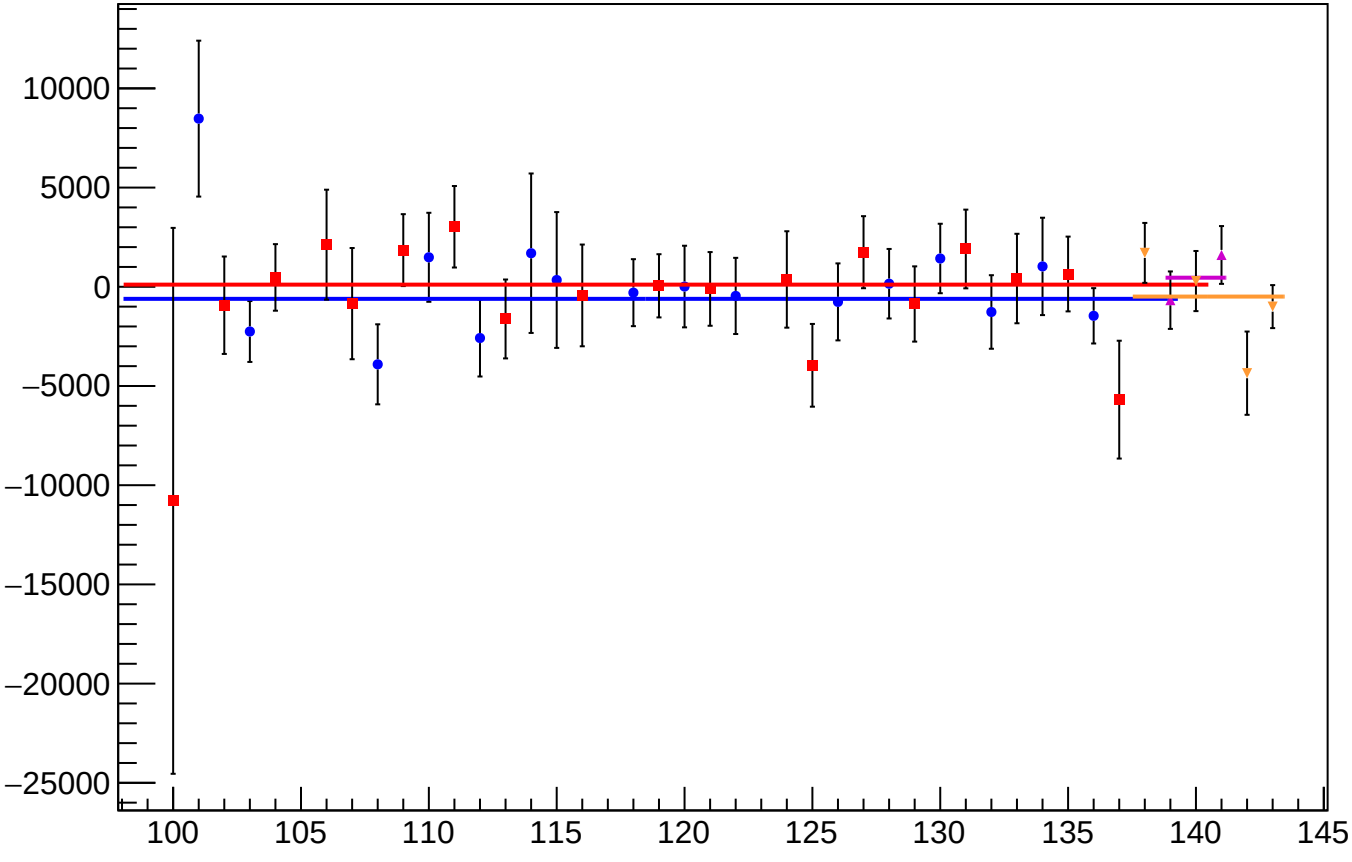
Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

\+ sign 3057.865+/-0.712 χ^2/NDF: 1637422.3/19

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40

\- sign 3237.457+/-0.778 χ^2/NDF: 808477.4/20

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.285+/-715.646 χ^2/NDF:6.0/3

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

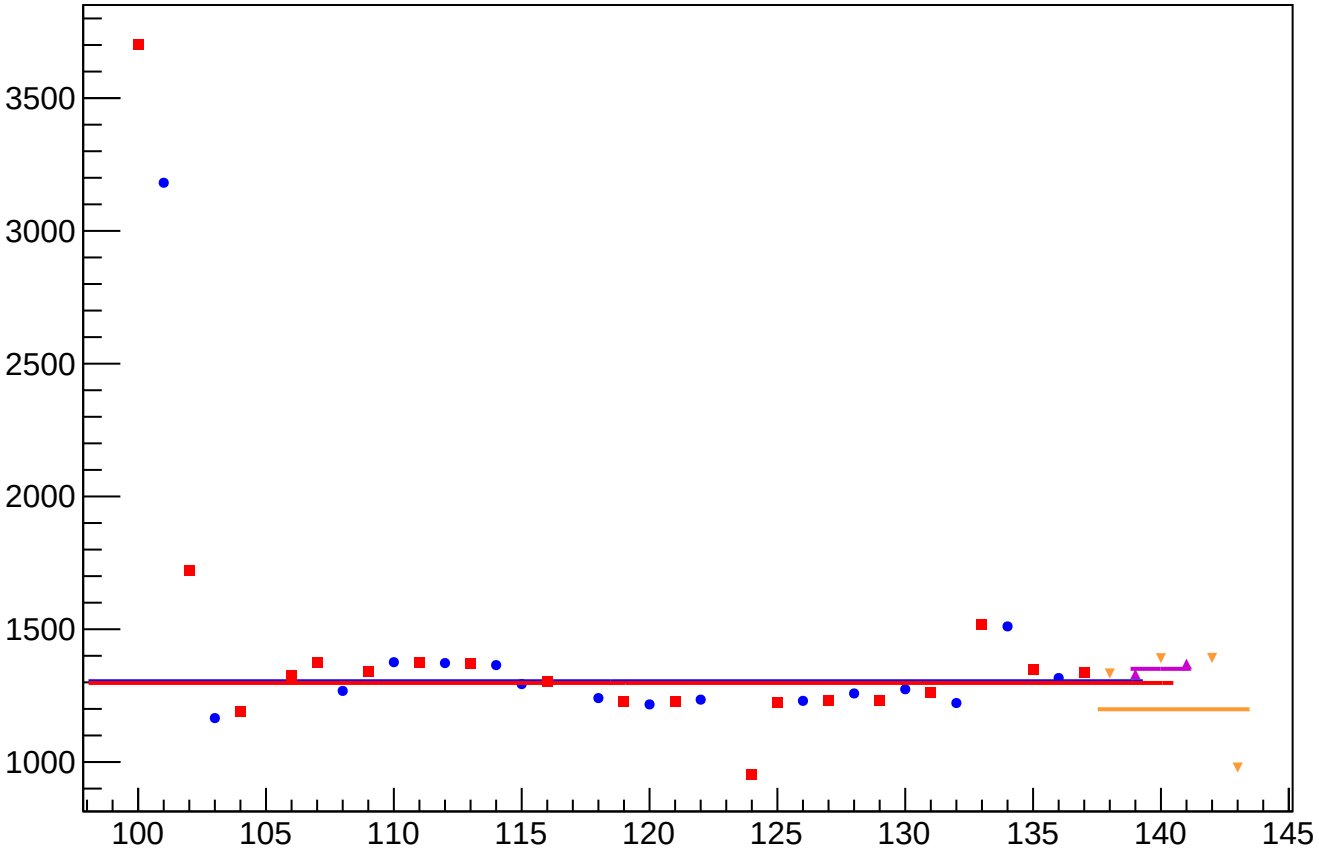
Left In: 458.128+/-1026.913 χ^2/NDF:1.2/1

+ sign -570.846+/-406.649 χ^2/NDF: 20.1/19

All: -227.545+/-298.313 χ^2/NDF: 37.9/40

- sign 172.476+/-438.958 χ^2/NDF: 16.2/20

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

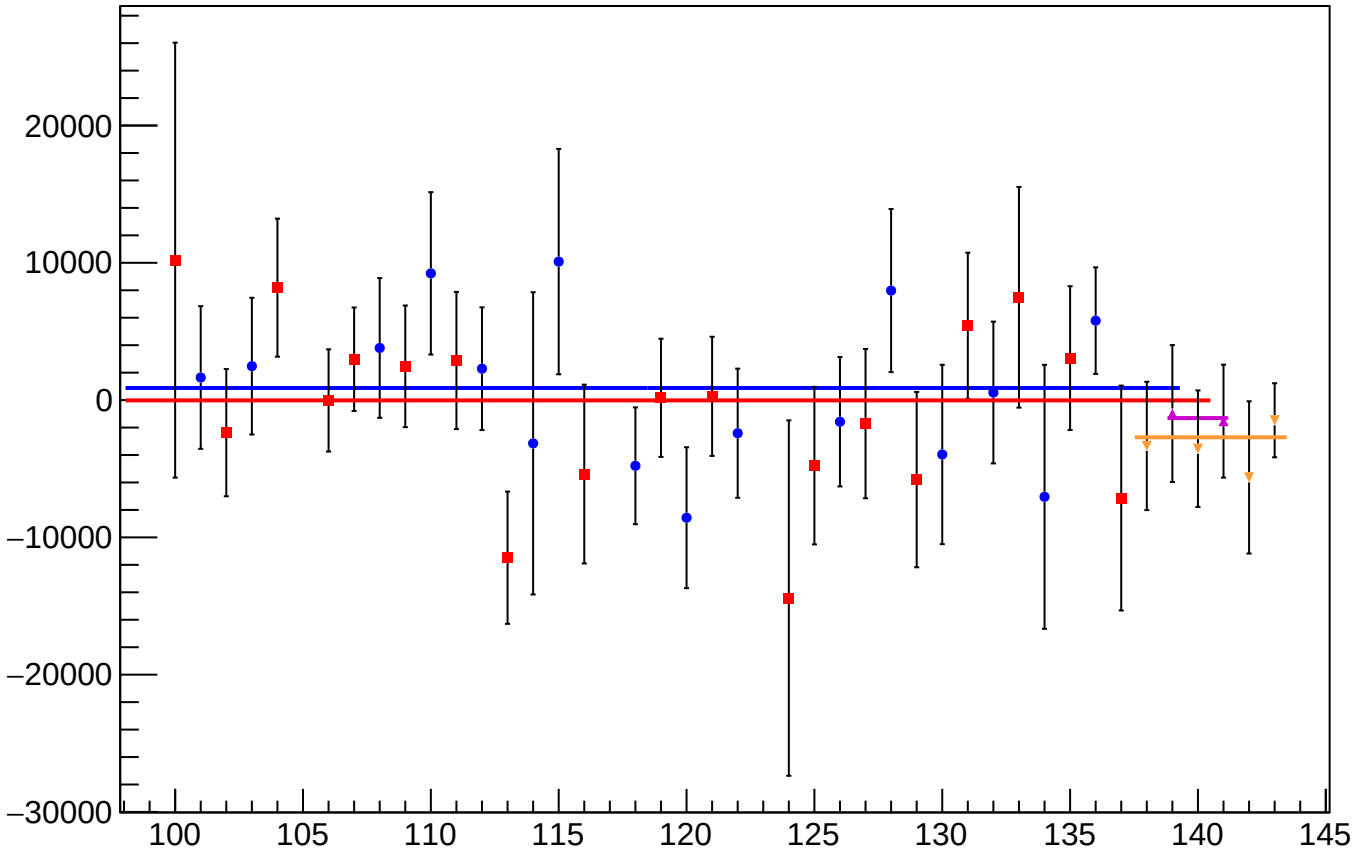
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1350.869+/-0.726 χ^2/NDF:712.8/1

+ sign 1270.061+/-0.288 χ^2/NDF: 687037.6/19

All: 1287.355+/-0.211 χ^2/NDF: 913041.4/40

- sign 1307.482+/-0.310 χ^2/NDF: 218177.0/20



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2707.656+/-1920.099 χ^2/NDF:0.5/3

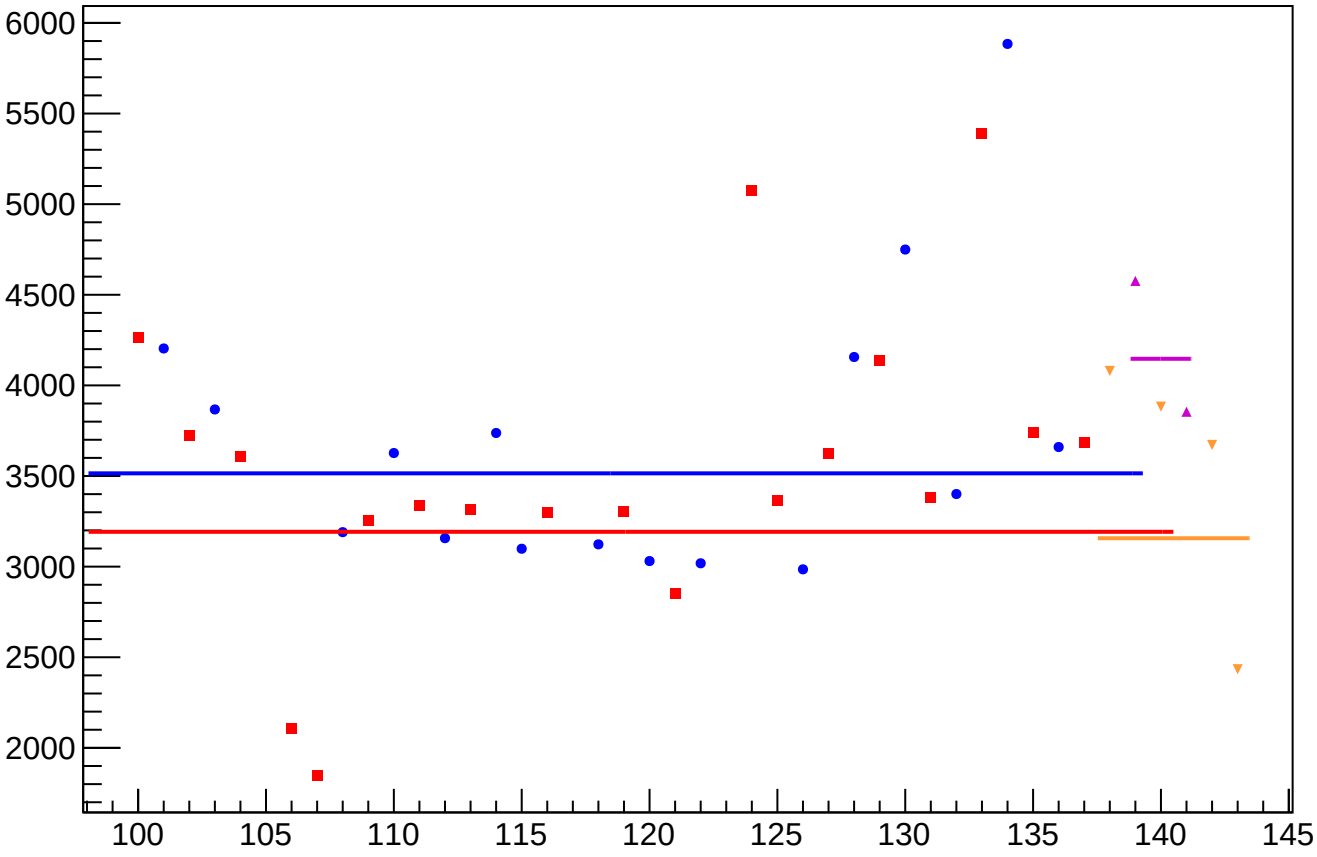
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1309.261+/-3173.459 χ^2/NDF:0.0/1

+ sign -277.407+/-1091.883 χ^2/NDF: 17.0/19

All: -230.964+/-782.660 χ^2/NDF: 34.0/40

- sign -181.885+/-1122.446 χ^2/NDF: 17.0/20



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3156.629+/-1.358 χ^2/NDF:297381.8/3

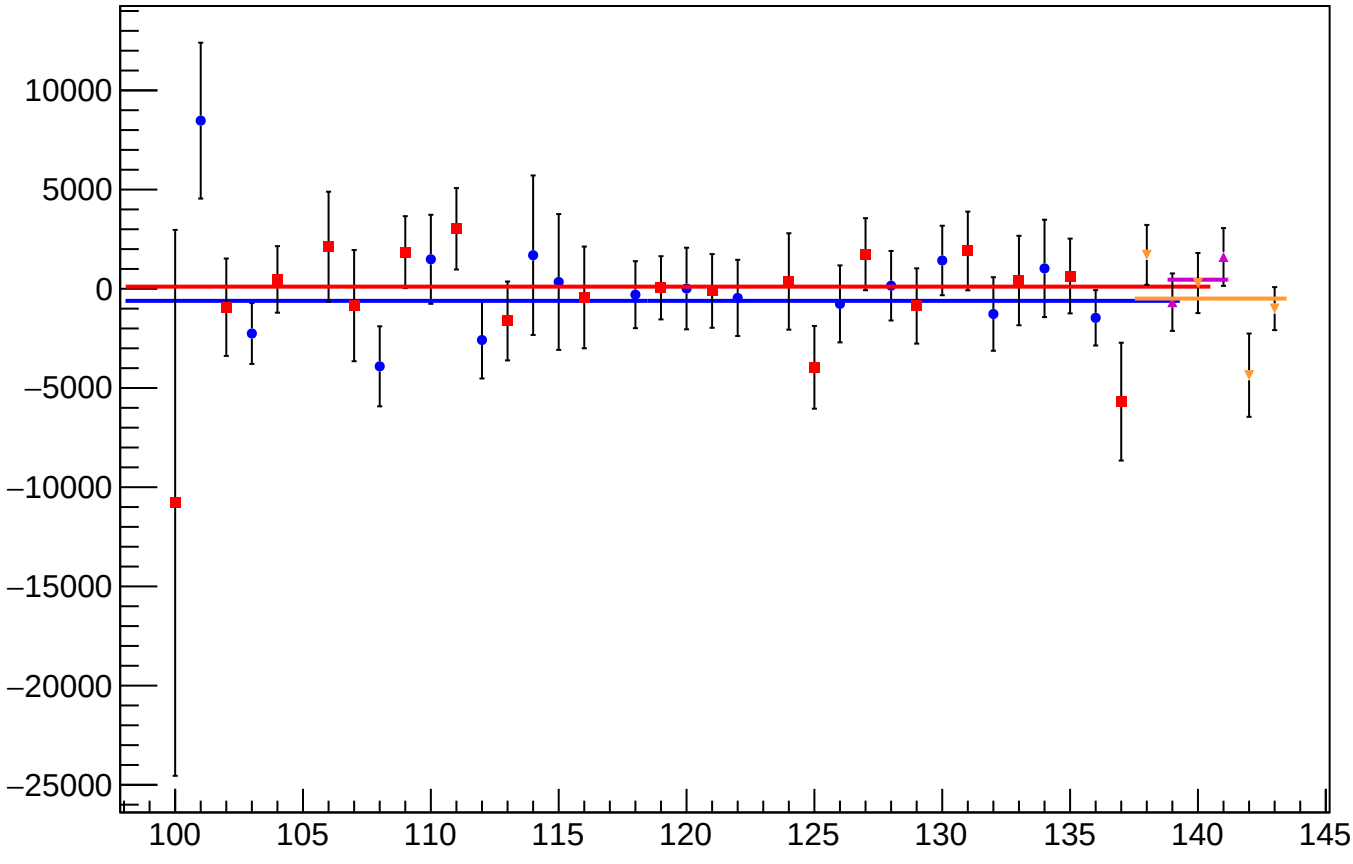
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

+ sign 3398.940+/-0.772 χ^2/NDF: 719534.3/19

All: 3356.488+/-0.553 χ^2/NDF: 1681519.4/40

- sign 3311.626+/-0.794 χ^2/NDF: 955766.8/20



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.288+/-715.647 χ^2/NDF:6.0/3

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

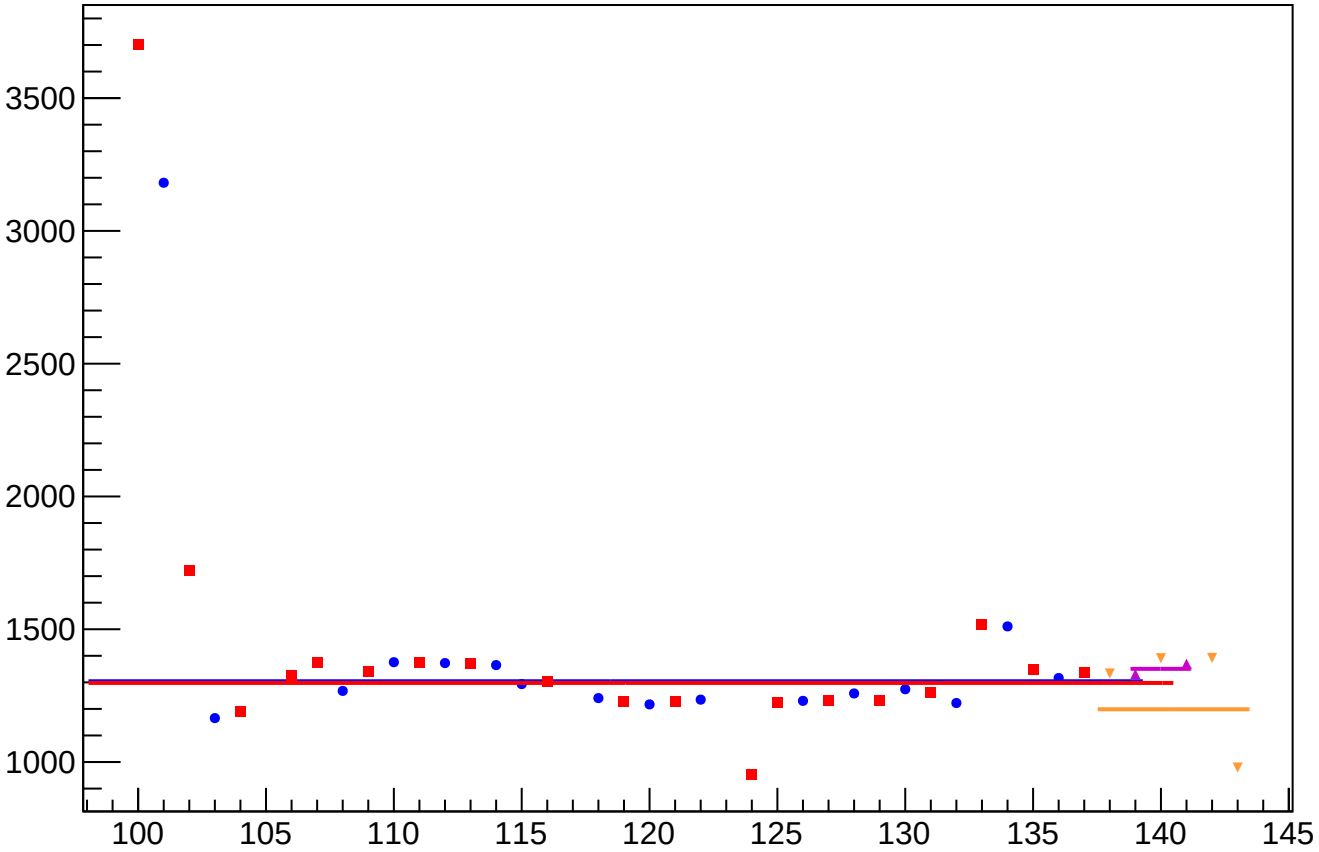
Left In: 458.120+/-1026.914 χ^2/NDF:1.2/1

+ sign -570.849+/-406.649 χ^2/NDF: 20.1/19

All: -227.545+/-298.313 χ^2/NDF: 37.9/40

- sign 172.479+/-438.958 χ^2/NDF: 16.2/20

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1198.674+/-0.506 χ^2/NDF:147056.7/3

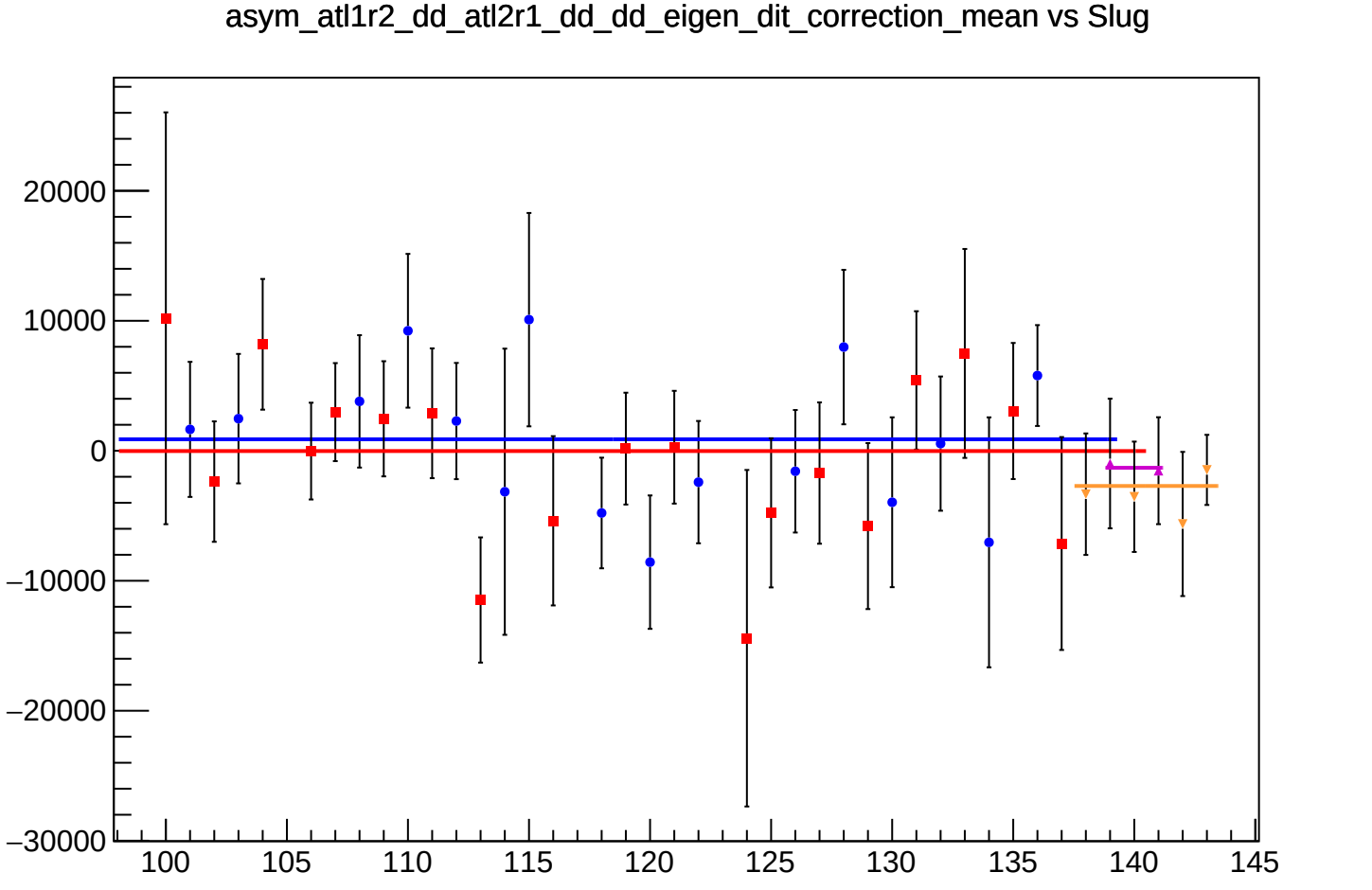
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1350.870+/-0.726 χ^2/NDF:712.8/1

\+ sign 1270.062+/-0.288 χ^2/NDF: 687037.1/19

All: 1287.355+/-0.211 χ^2/NDF: 913041.1/40

\- sign 1307.482+/-0.310 χ^2/NDF: 218177.1/20



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2707.658+/-1920.102 χ^2/NDF:0.5/3

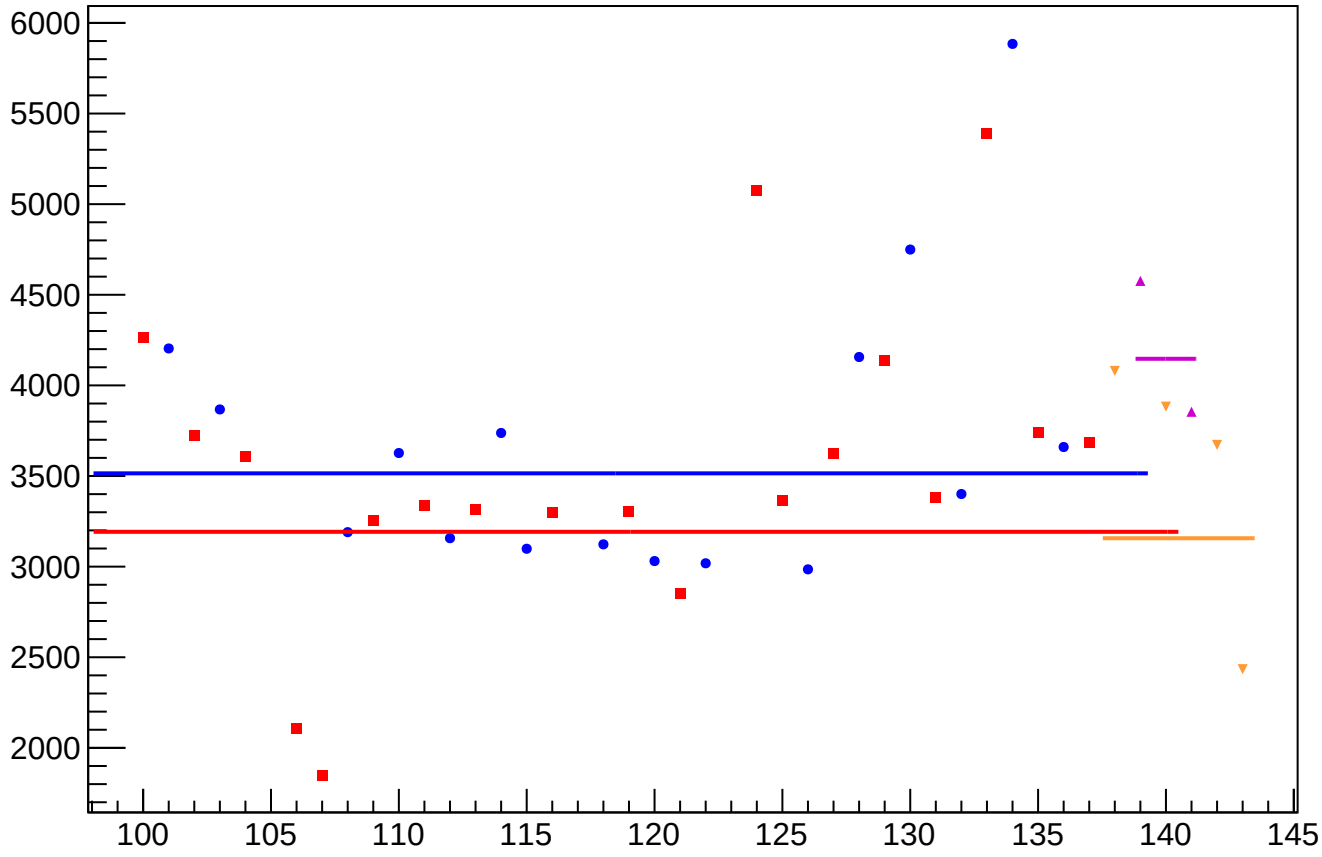
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1309.271+/-3173.463 χ^2/NDF:0.0/1

+ sign -277.409+/-1091.881 χ^2/NDF: 17.0/19

All: -230.964+/-782.658 χ^2/NDF: 34.0/40

- sign -181.882+/-1122.443 χ^2/NDF: 17.0/20



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3156.634+/-1.358 χ^2/NDF:297382.2/3

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

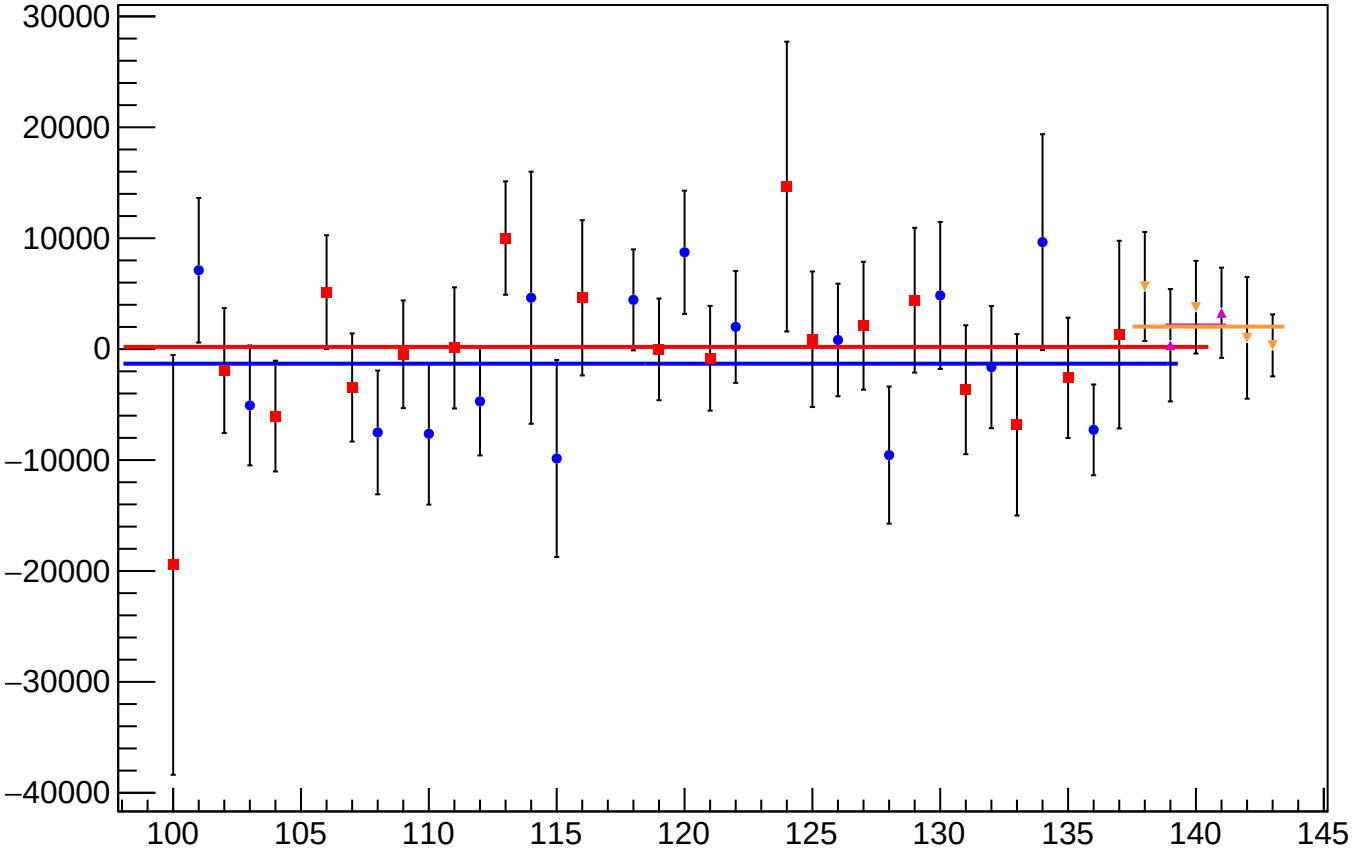
Left In: 4146.807+/-2.244 χ^2/NDF:24942.3/1

+ sign 3398.936+/-0.772 χ^2/NDF: 719535.2/19

All: 3356.482+/-0.553 χ^2/NDF: 1681527.9/40

- sign 3311.619+/-0.794 χ^2/NDF: 955774.0/20

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2029.752+/-1961.527 χ^2/NDF:1.1/3

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

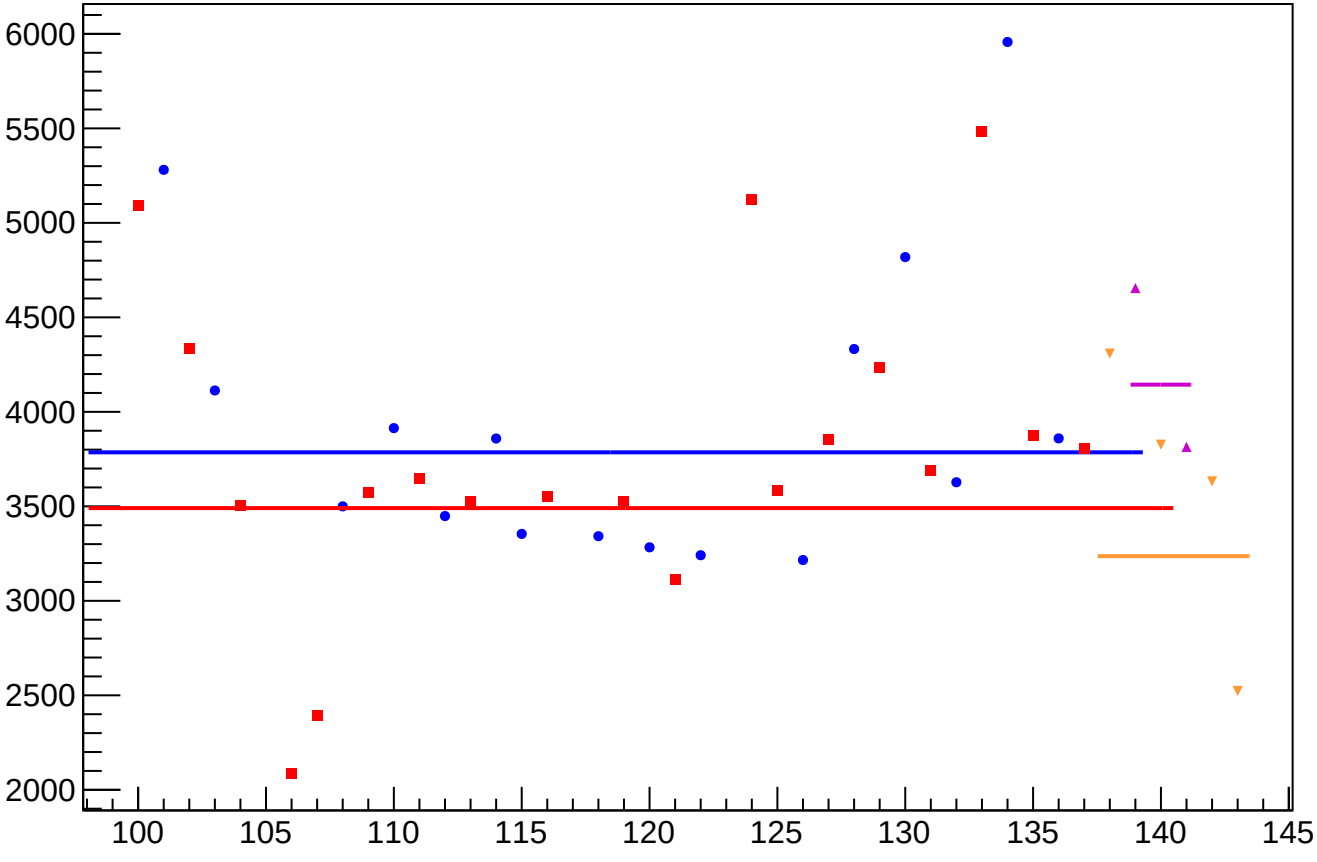
Left In: 2133.541+/-3171.289 χ^2/NDF:0.2/1

+ sign -148.846+/-1156.386 χ^2/NDF: 20.6/19

All: 151.883+/-842.914 χ^2/NDF: 32.9/40

- sign 492.812+/-1231.253 χ^2/NDF: 12.2/20

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

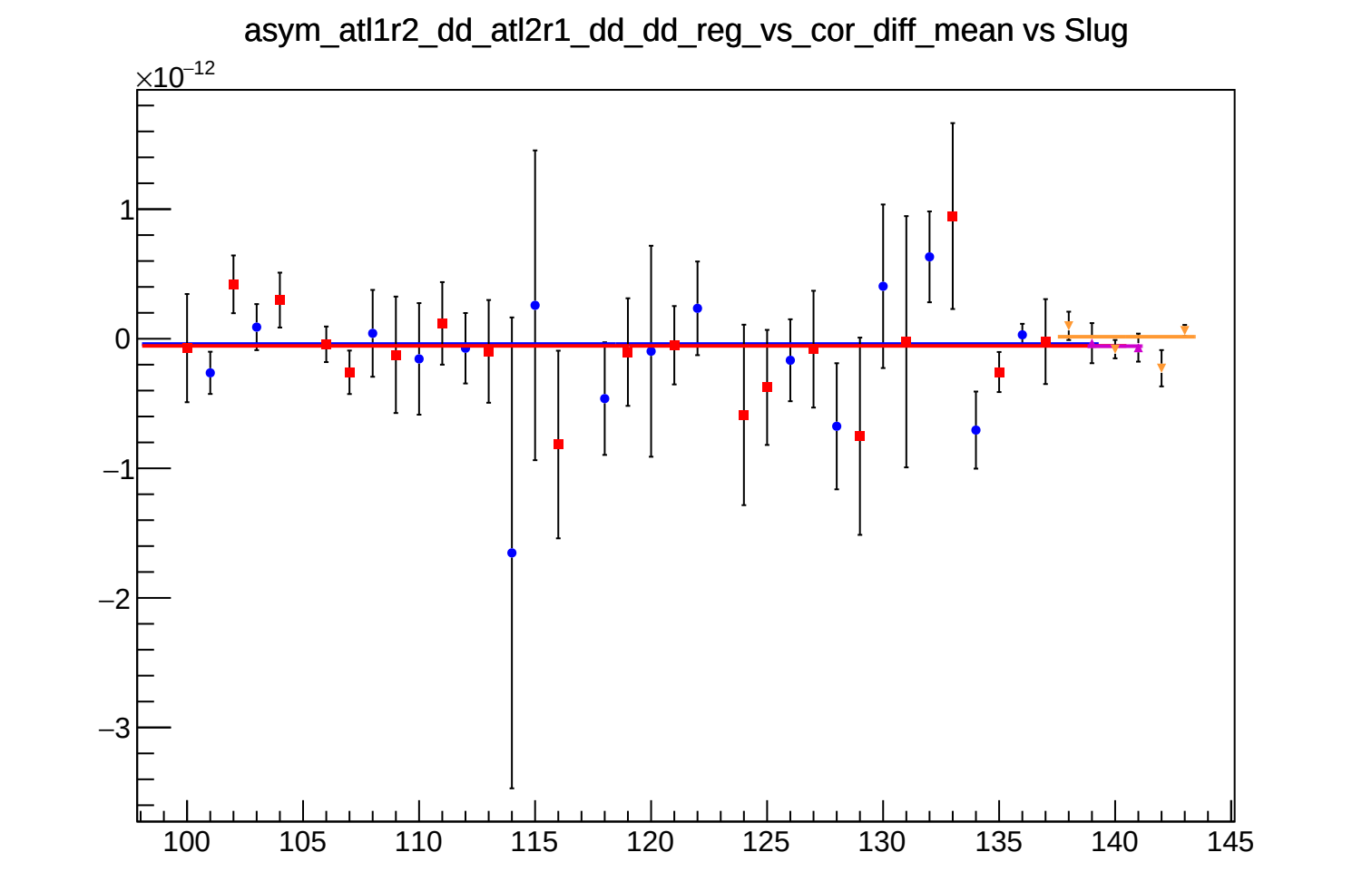
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

+ sign 3594.800+/-0.818 χ^2/NDF: 760972.7/19

All: 3591.016+/-0.593 χ^2/NDF: 1453600.9/40

- sign 3586.825+/-0.861 χ^2/NDF: 692583.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/3

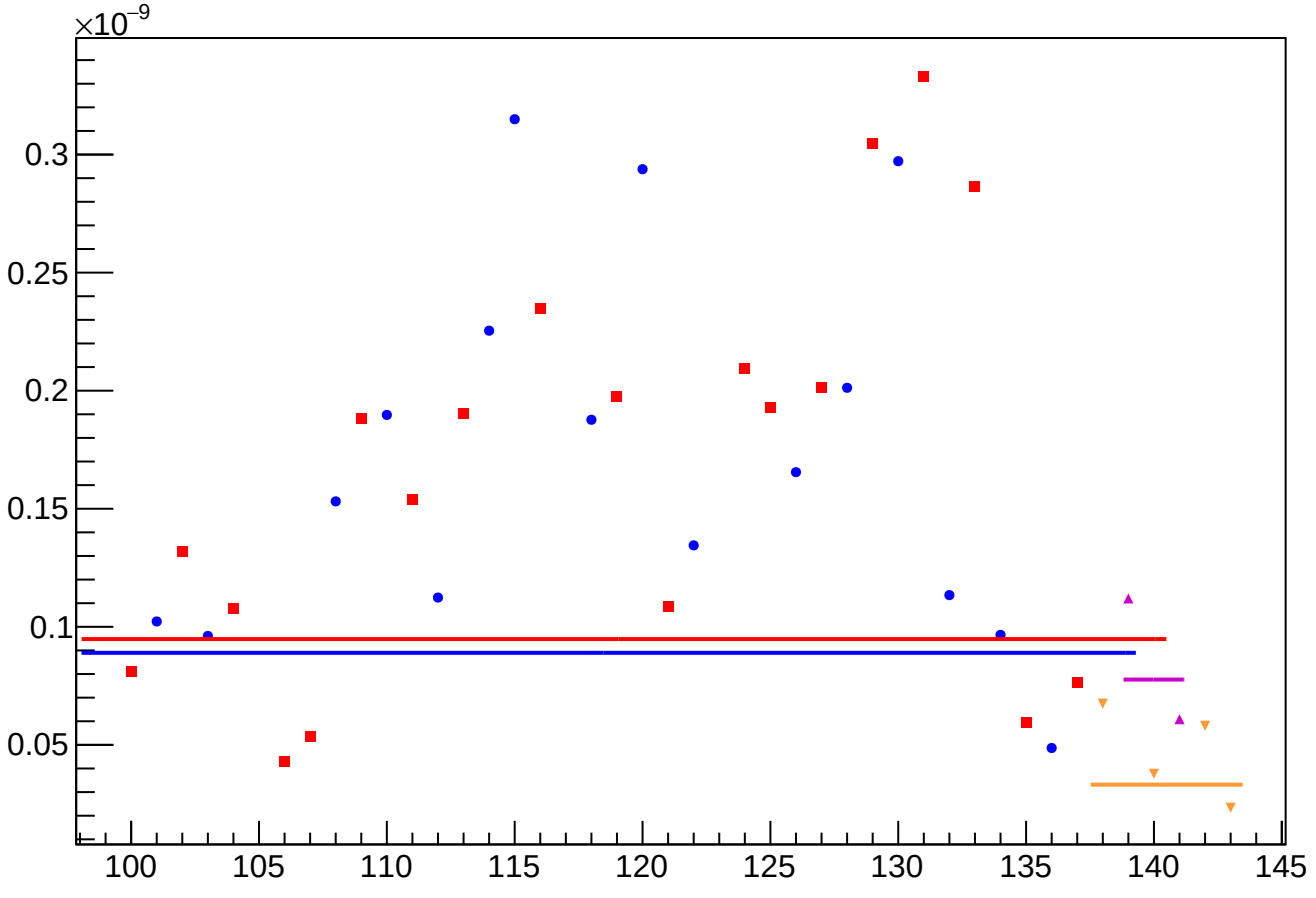
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/19

All: -0.000+/-0.000 χ^2/NDF: 40.7/40

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



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

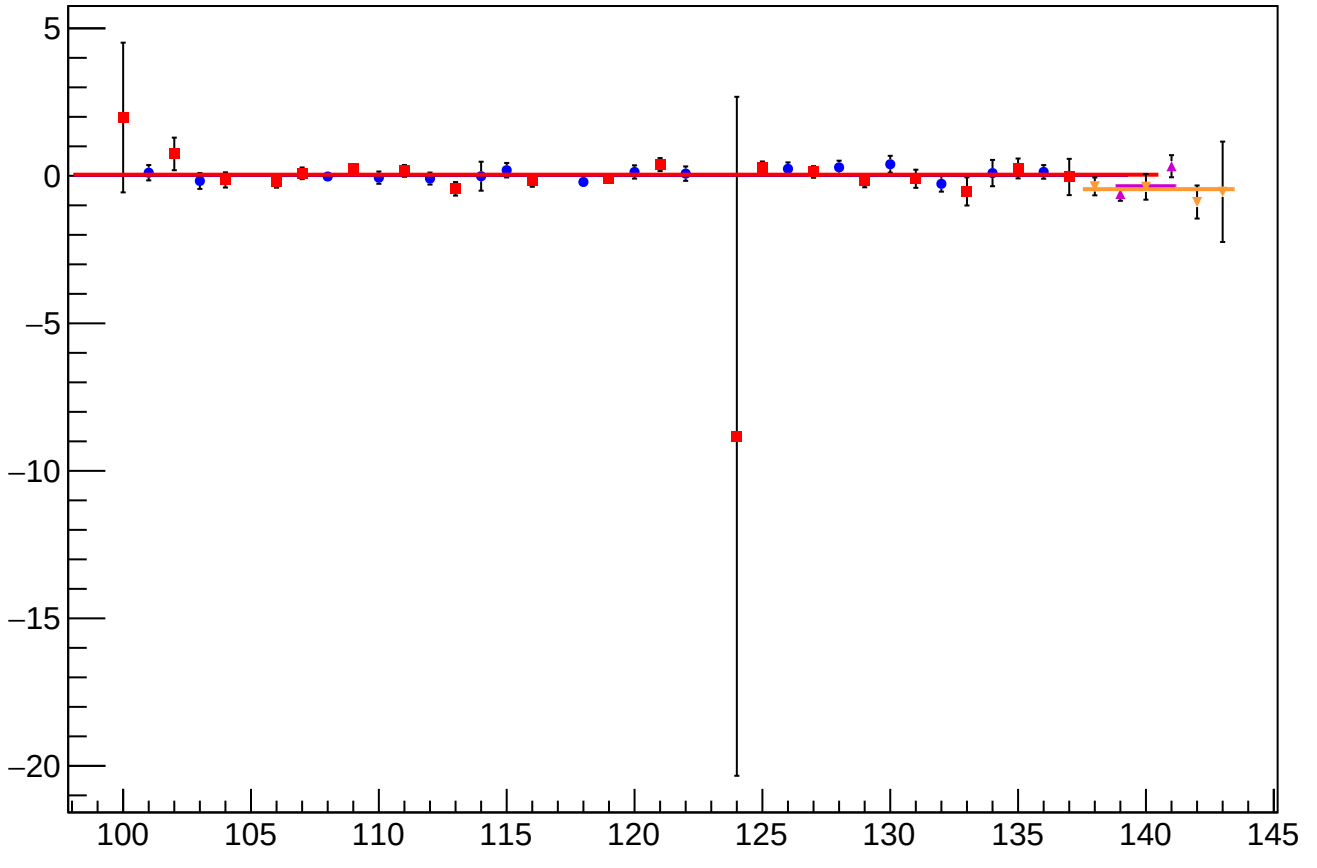
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 3167531.1/19

All: 0.000+/-0.000 χ^2/NDF: 6072633.0/40

- sign 0.000+/-0.000 χ^2/NDF: 1930525.7/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

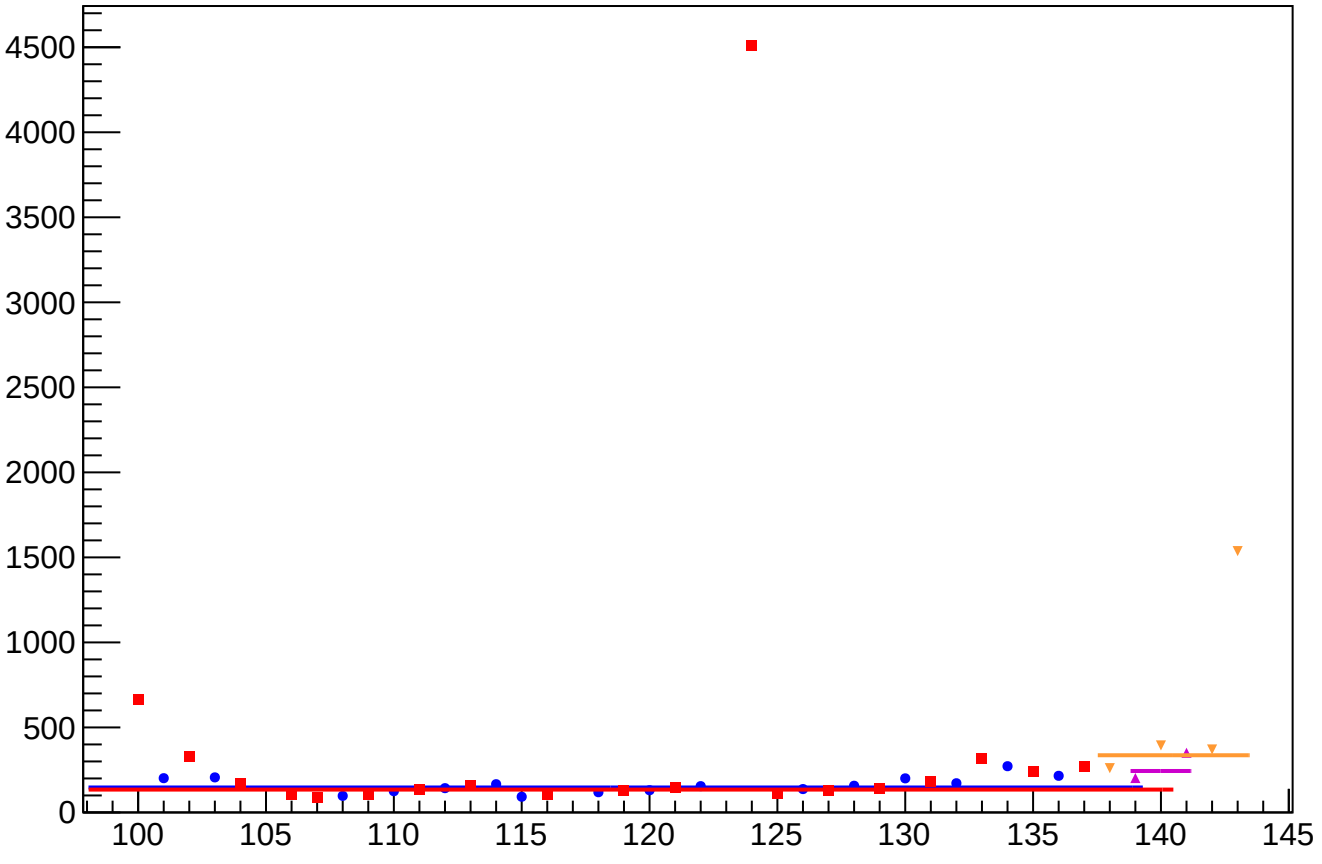
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 336.413+/-0.159 χ^2/NDF:1164908.8/3

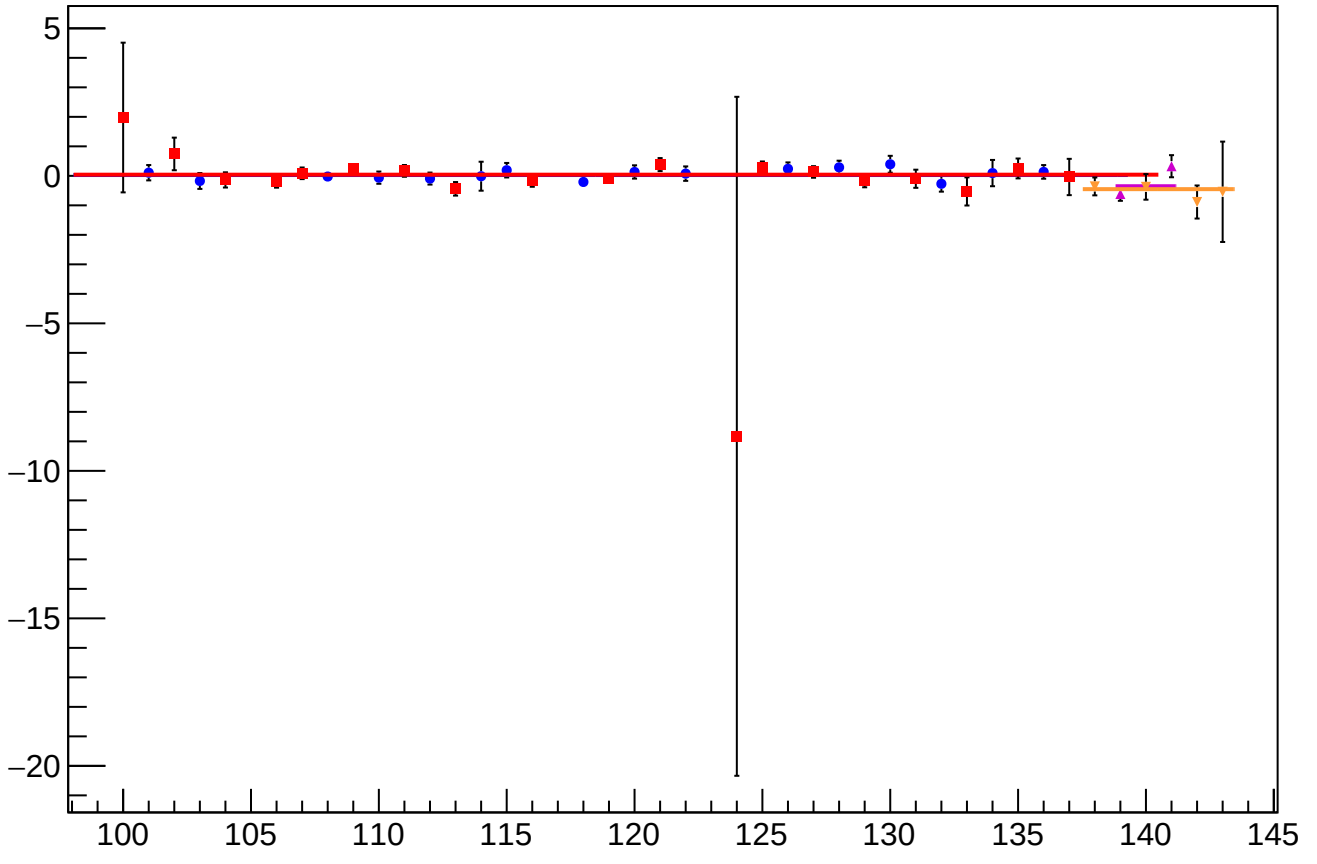
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496706.4/19

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

- sign 142.303+/-0.037 χ^2/NDF: 2401441.7/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

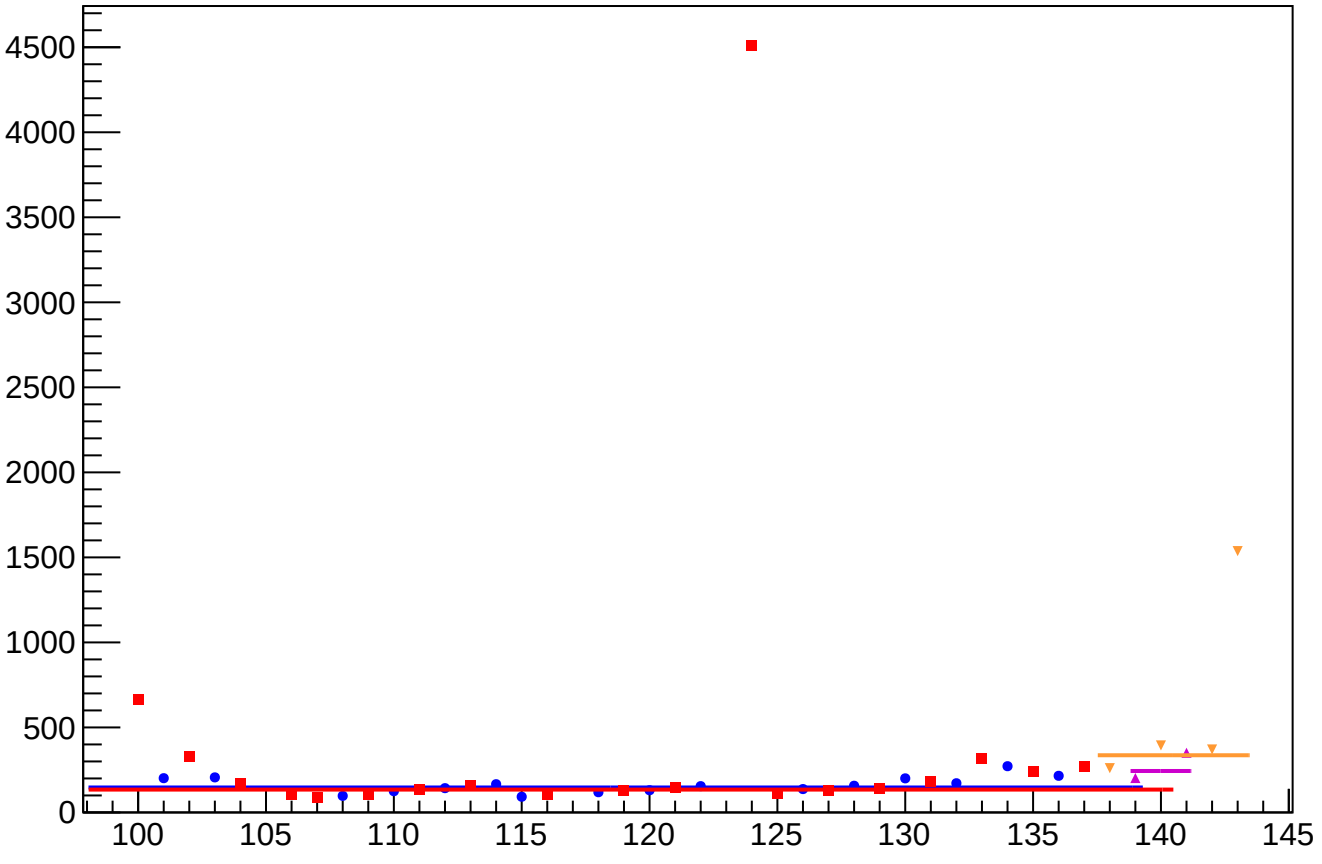
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 336.413+/-0.159 χ^2/NDF:1164908.8/3

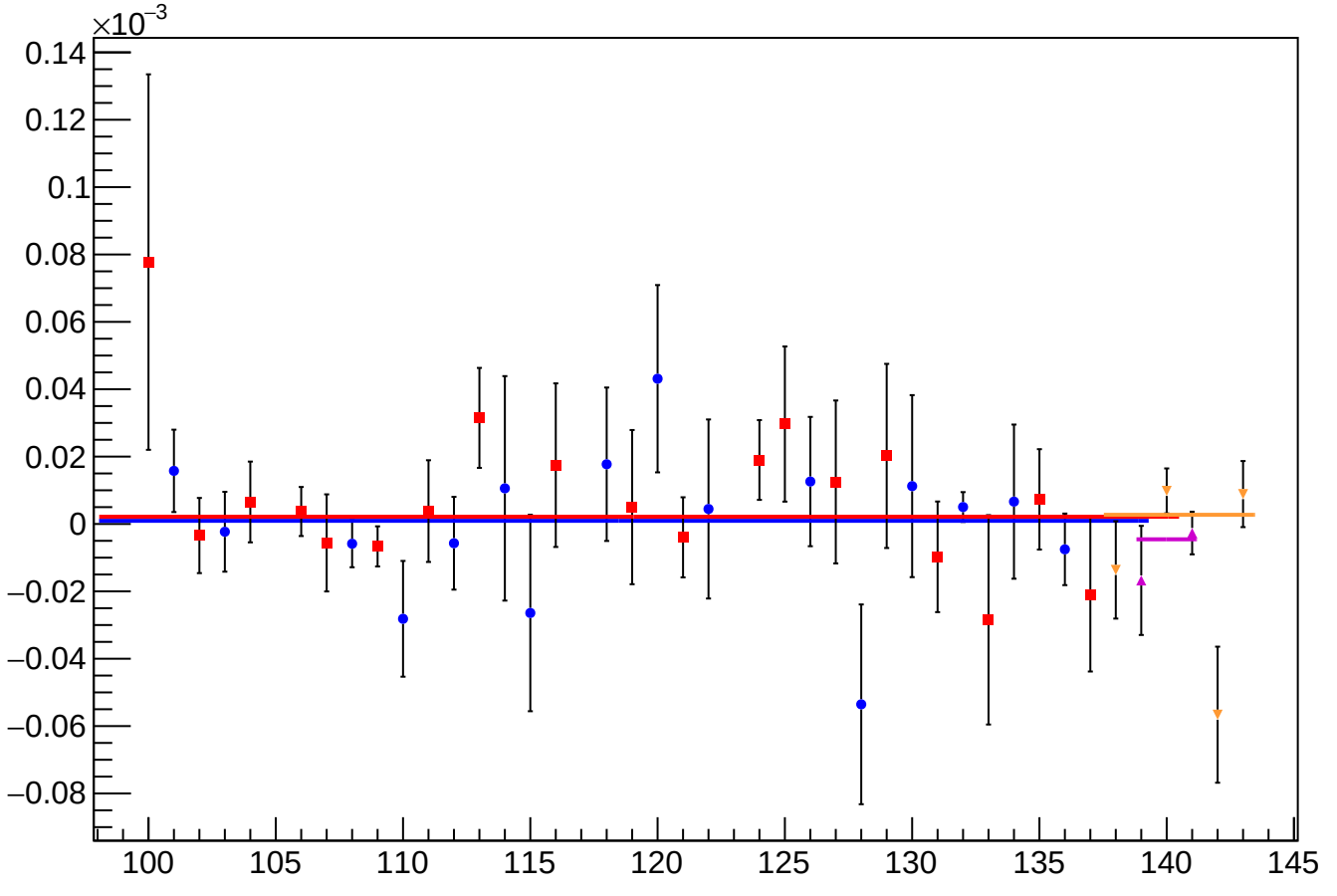
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496706.4/19

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

- sign 142.303+/-0.037 χ^2/NDF: 2401441.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/3

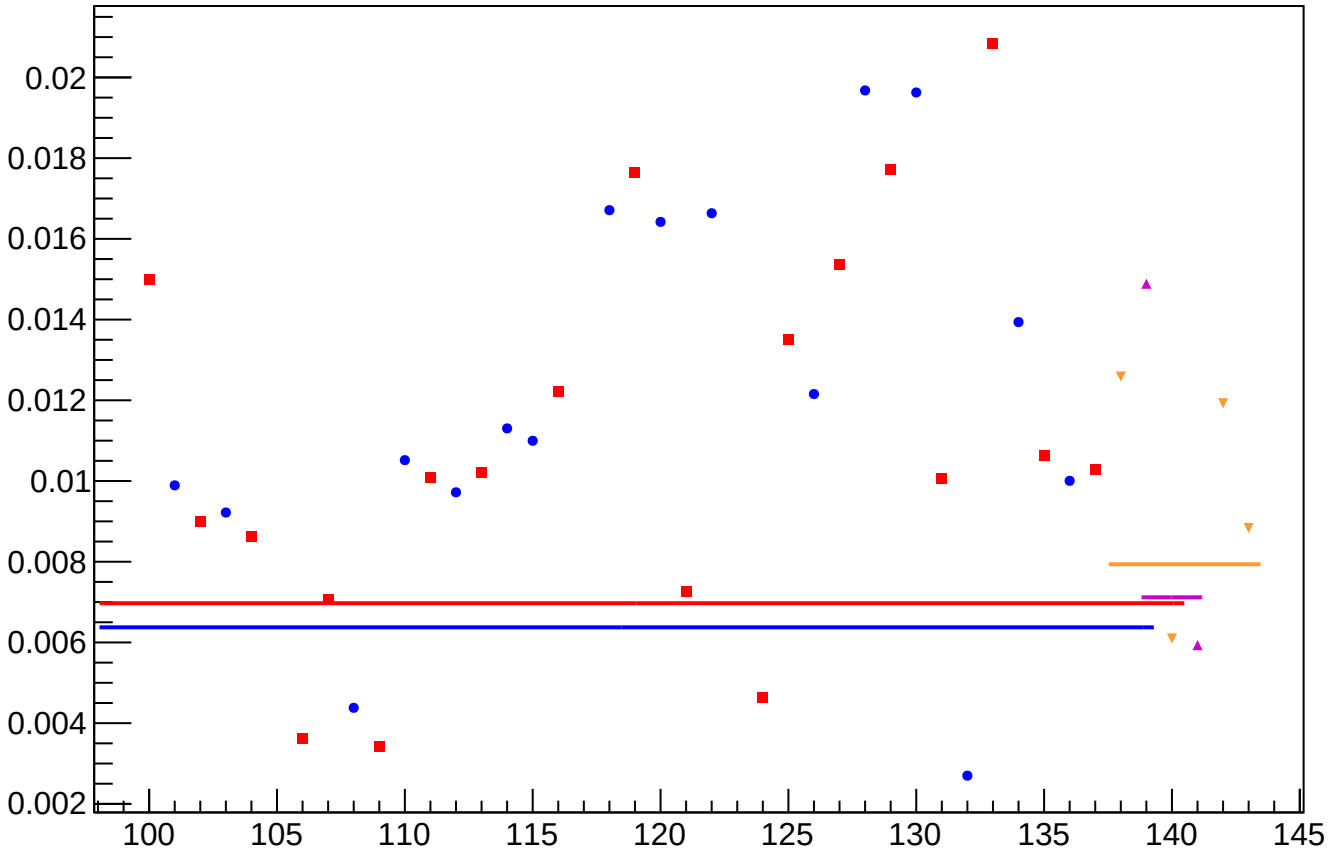
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 26.4/19

All: 0.000+/-0.000 χ^2/NDF: 44.2/40

- sign 0.000+/-0.000 χ^2/NDF: 17.7/20



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:454111.8/3

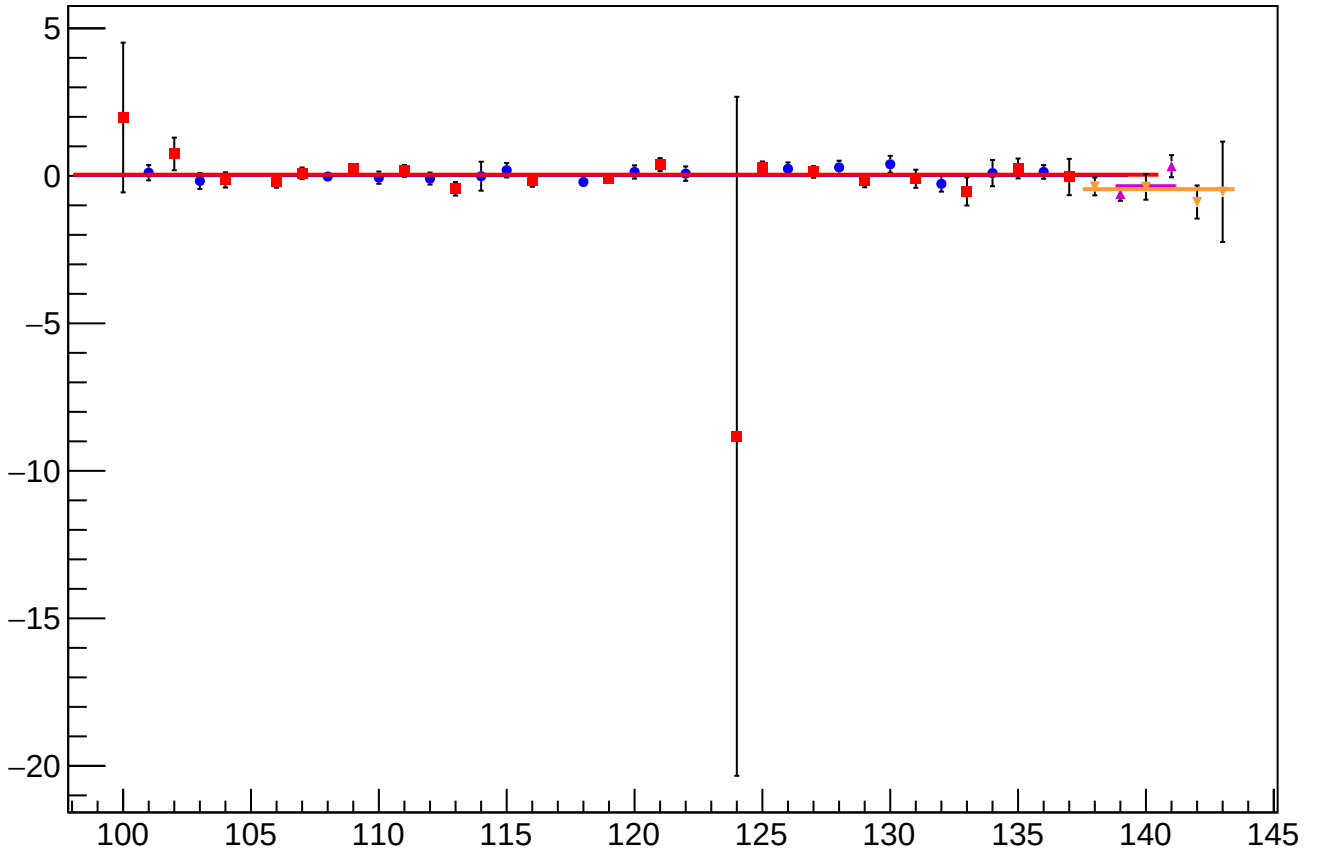
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:530472.1/1

+ sign 0.007+/-0.000 χ^2/NDF: 5239821.2/19

All: 0.007+/-0.000 χ^2/NDF: 9188865.3/40

- sign 0.007+/-0.000 χ^2/NDF: 3941392.2/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

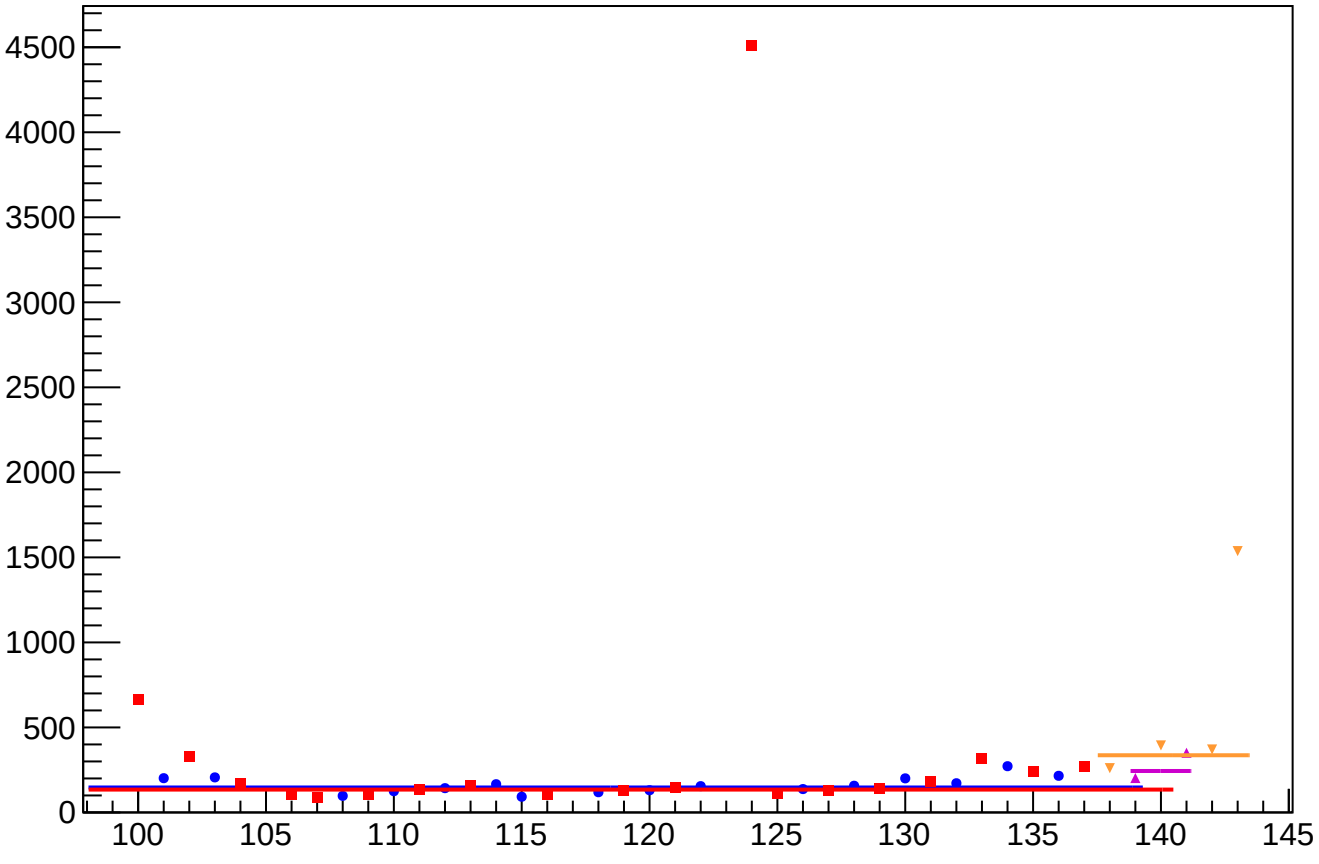
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 336.417+/-0.159 χ^2/NDF:1164898.4/3

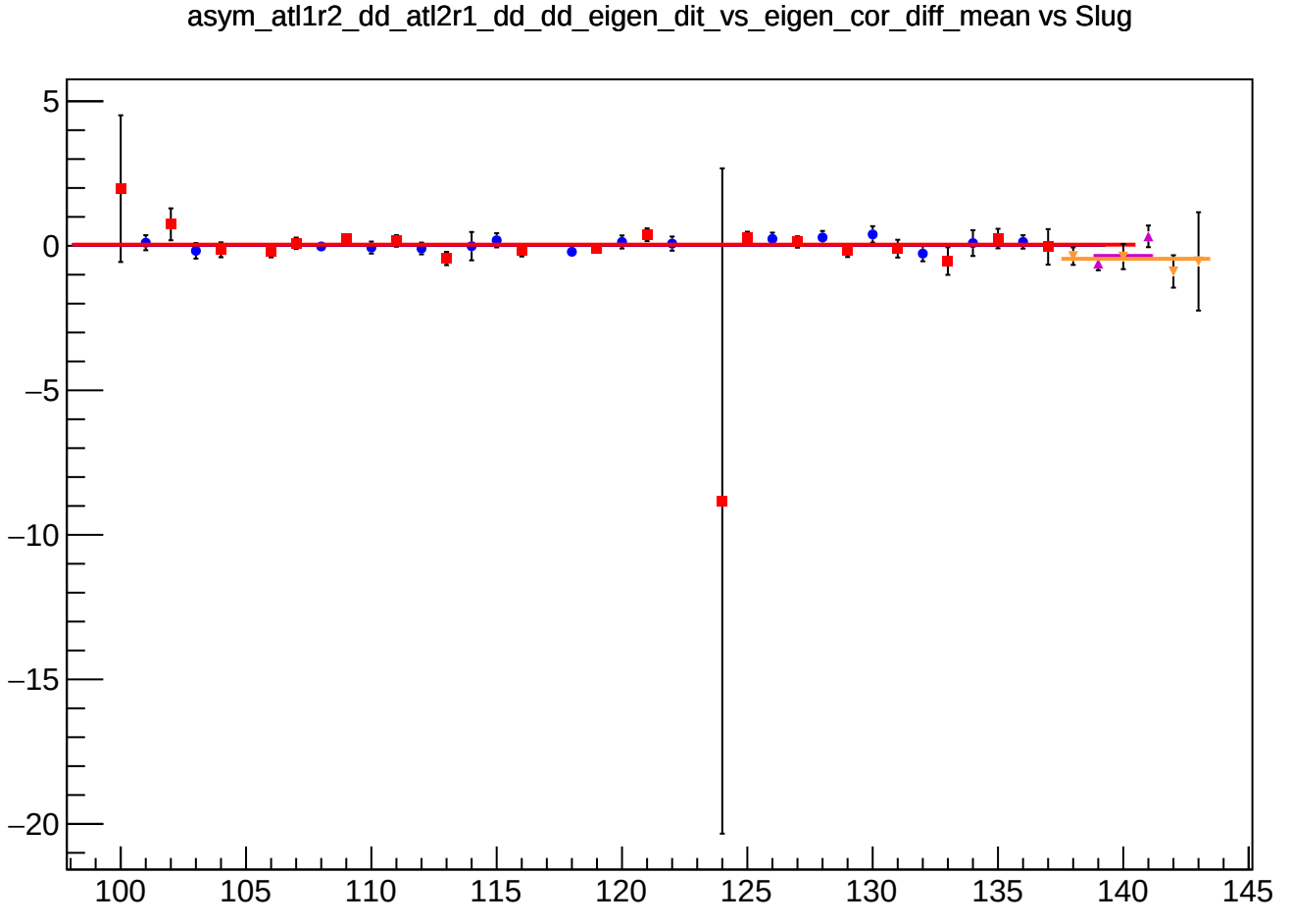
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496670.5/19

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40

- sign 142.304+/-0.037 χ^2/NDF: 2401371.6/20



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

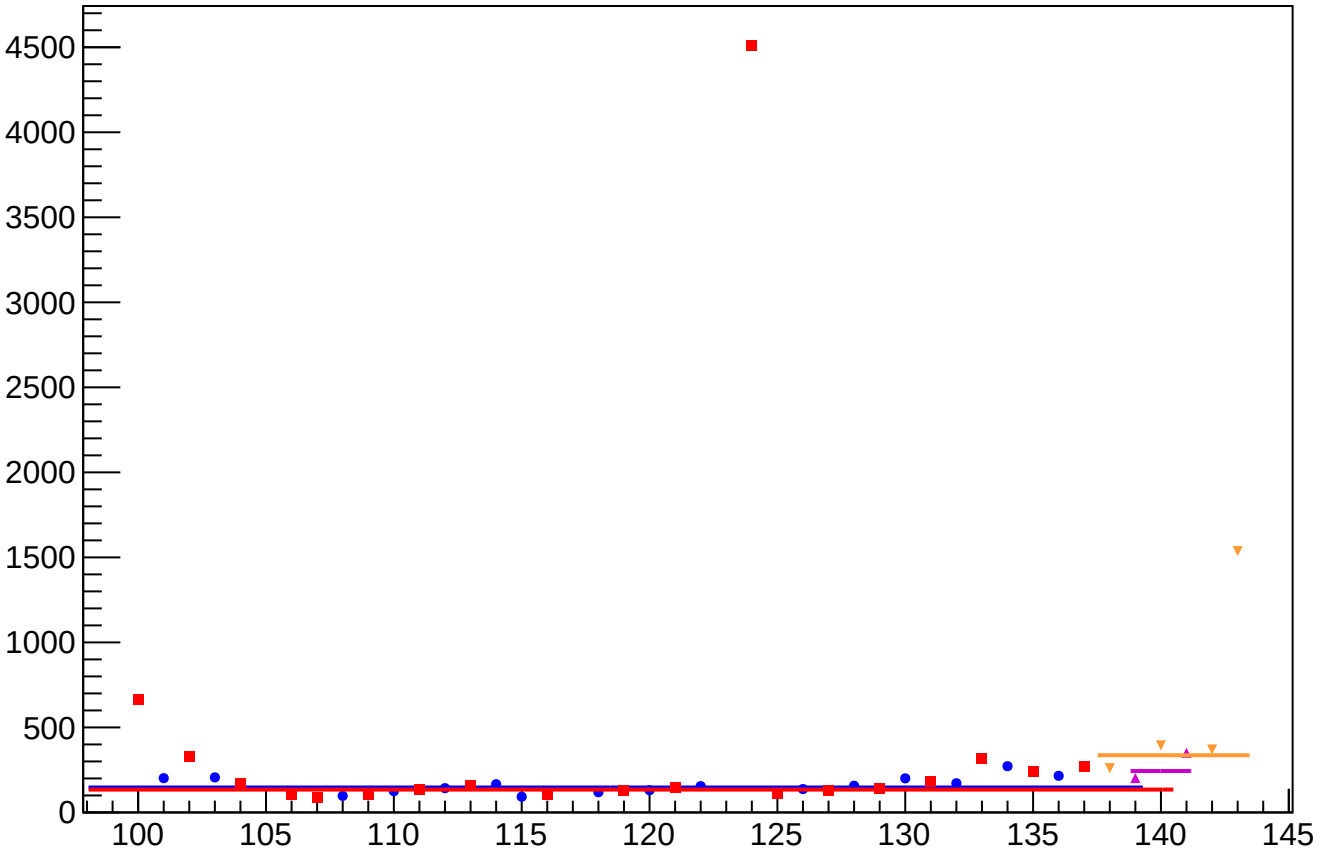
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.352+/-0.198 χ^2/NDF:4.5/1

+ sign -0.002+/-0.056 χ^2/NDF: 14.4/19

All: 0.005+/-0.038 χ^2/NDF: 42.6/40

- sign 0.011+/-0.053 χ^2/NDF: 28.2/20



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 336.417+/-0.159 χ^2/NDF:1164898.4/3

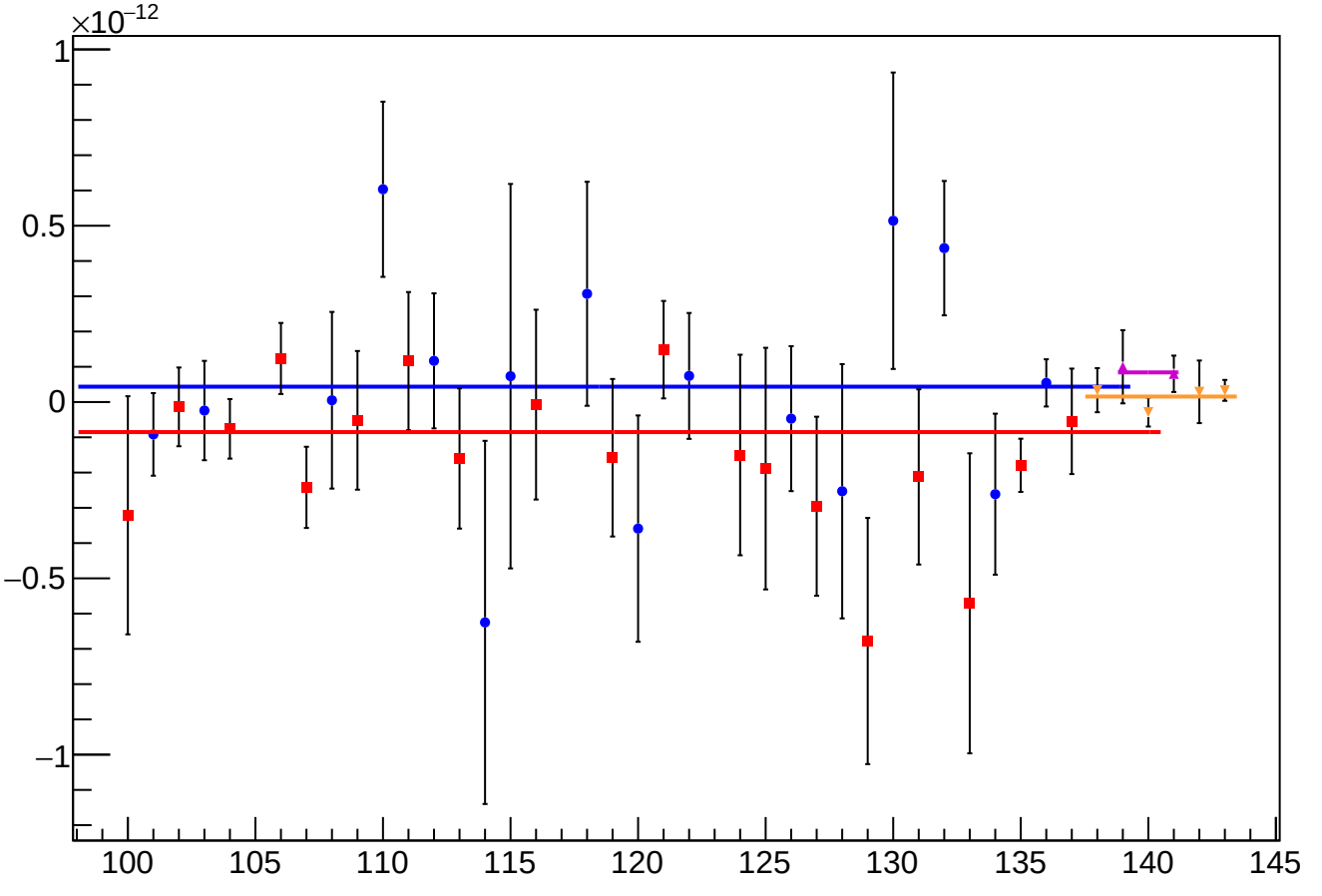
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

+ sign 158.535+/-0.040 χ^2/NDF: 3496670.5/19

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40

- sign 142.304+/-0.037 χ^2/NDF: 2401371.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

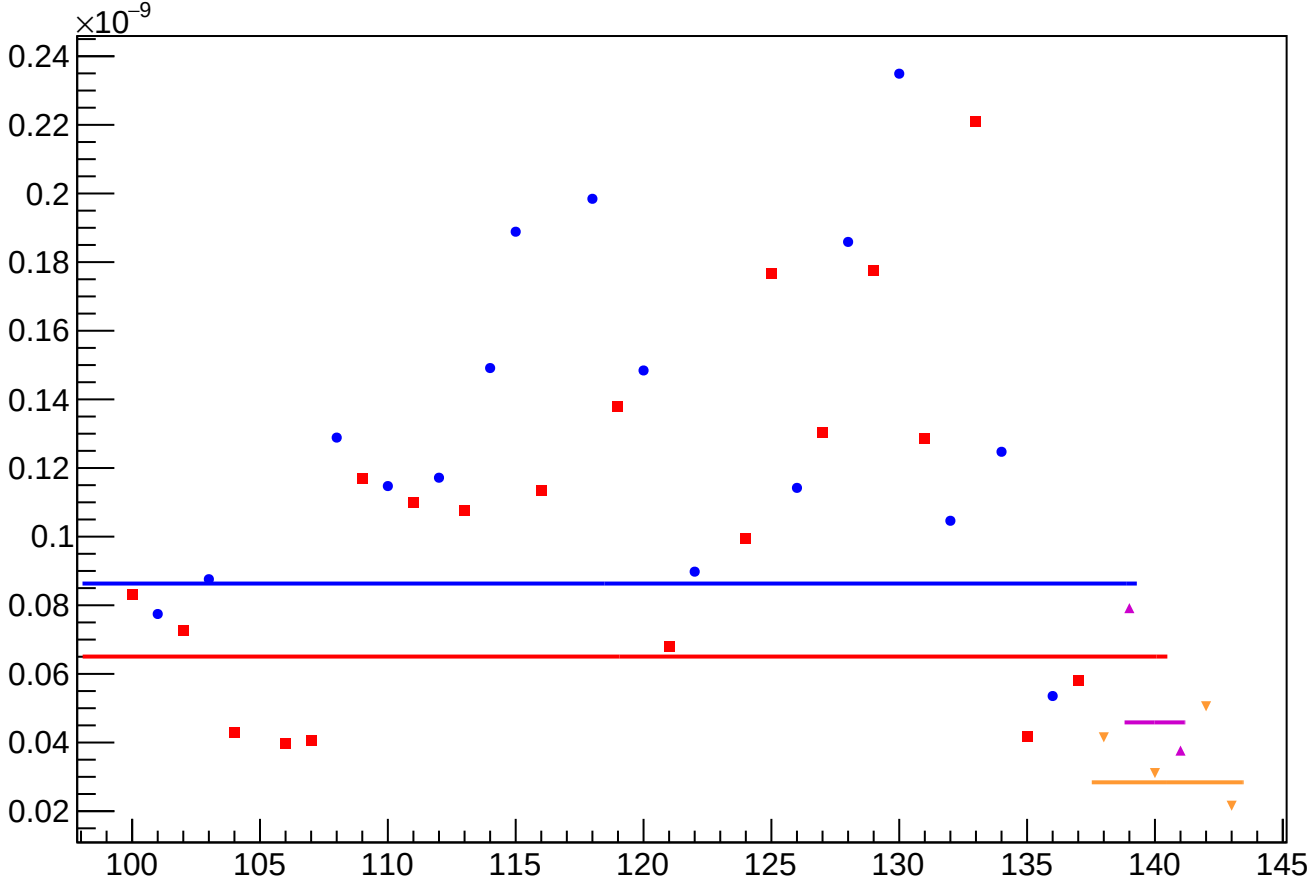
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 20.9/19

All: 0.000+/-0.000 χ^2/NDF: 49.7/40

- sign -0.000+/-0.000 χ^2/NDF: 26.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:327111.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

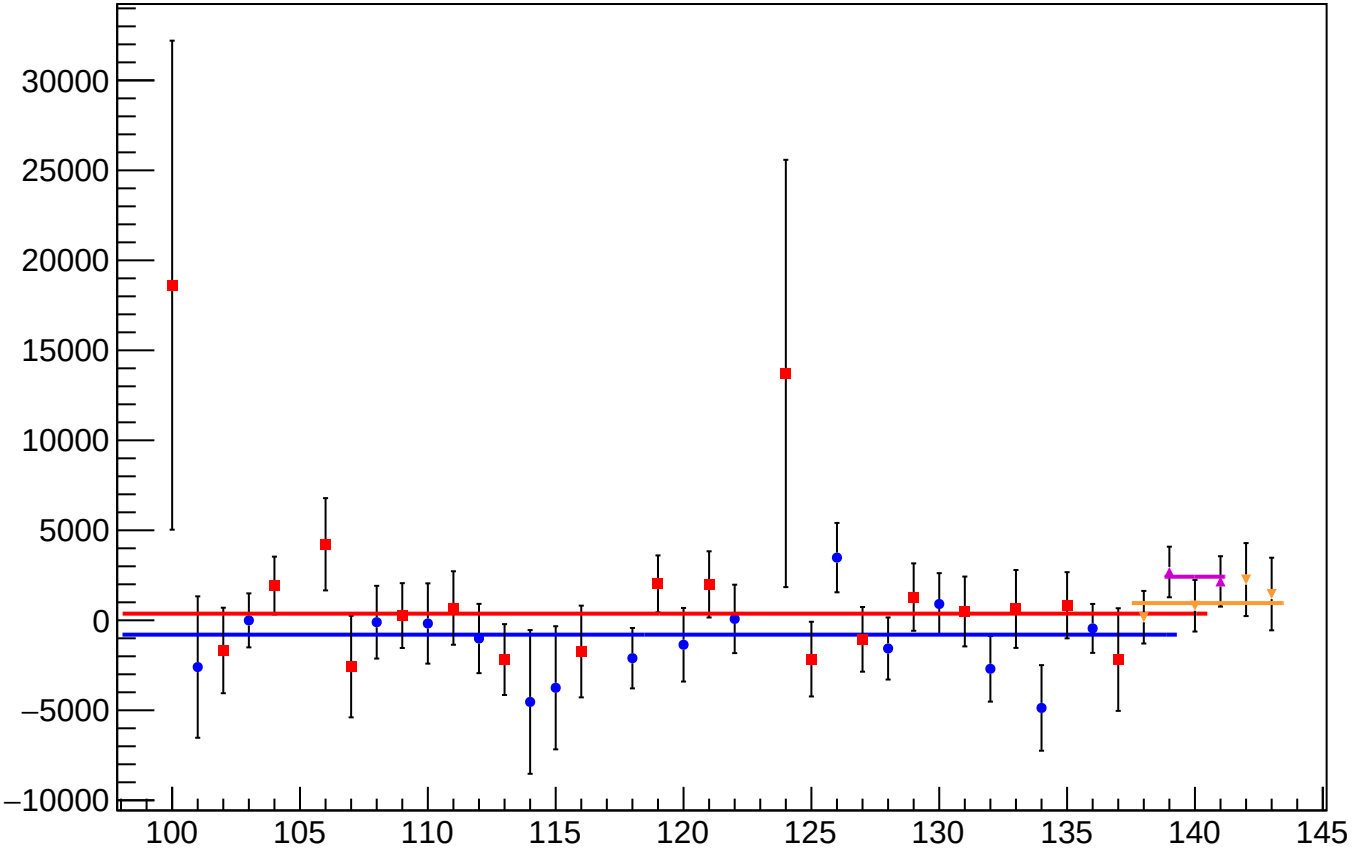
Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 4811858.3/19

All: 0.000+/-0.000 χ^2/NDF: 8019028.8/40

- sign 0.000+/-0.000 χ^2/NDF: 2638271.2/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 957.746+/-832.092 χ^2/NDF:0.8/3

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

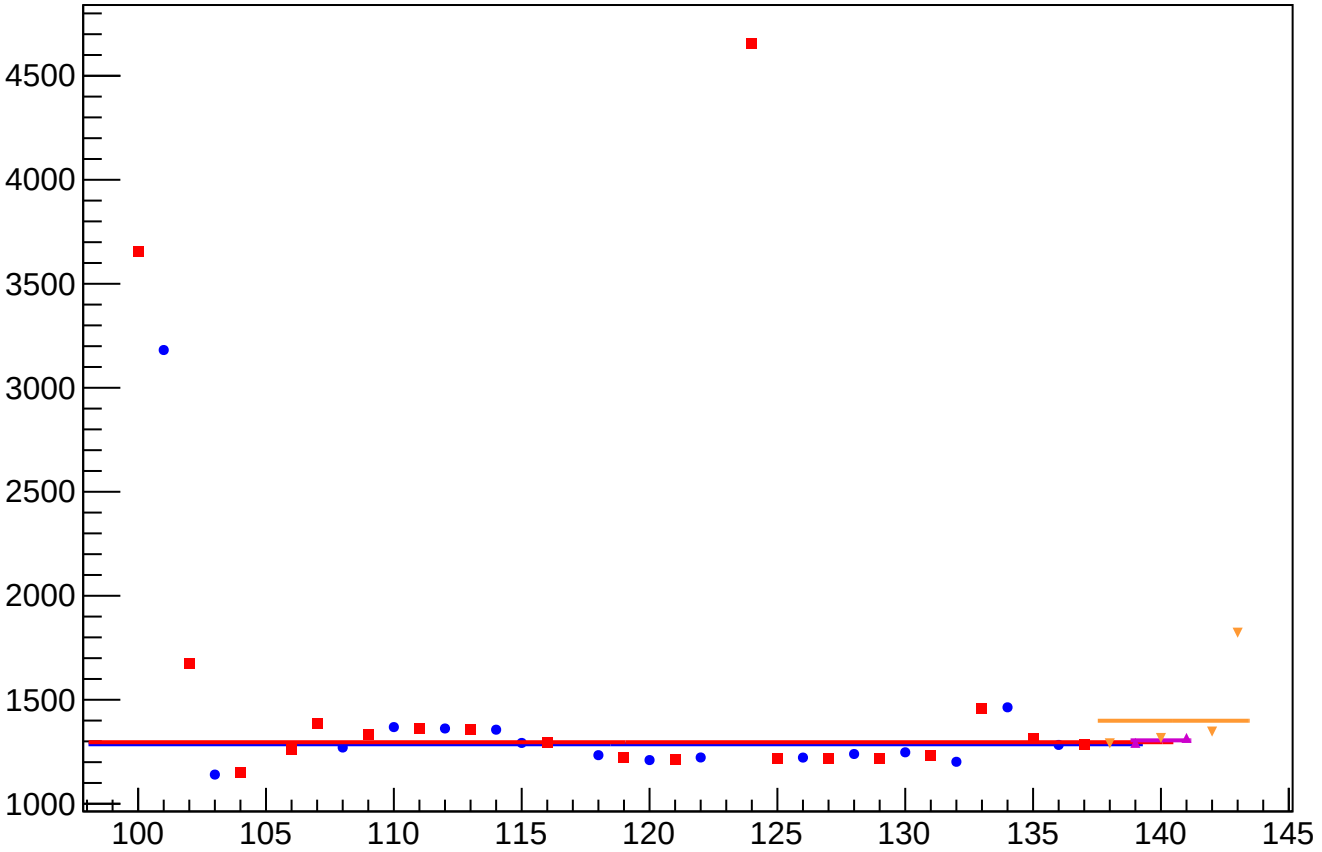
Left In: 2421.580+/-991.779 χ^2/NDF:0.1/1

+ sign -348.877+/-420.597 χ^2/NDF: 17.5/19

All: 188.644+/-302.803 χ^2/NDF: 40.0/40

- sign 767.029+/-436.292 χ^2/NDF: 19.1/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

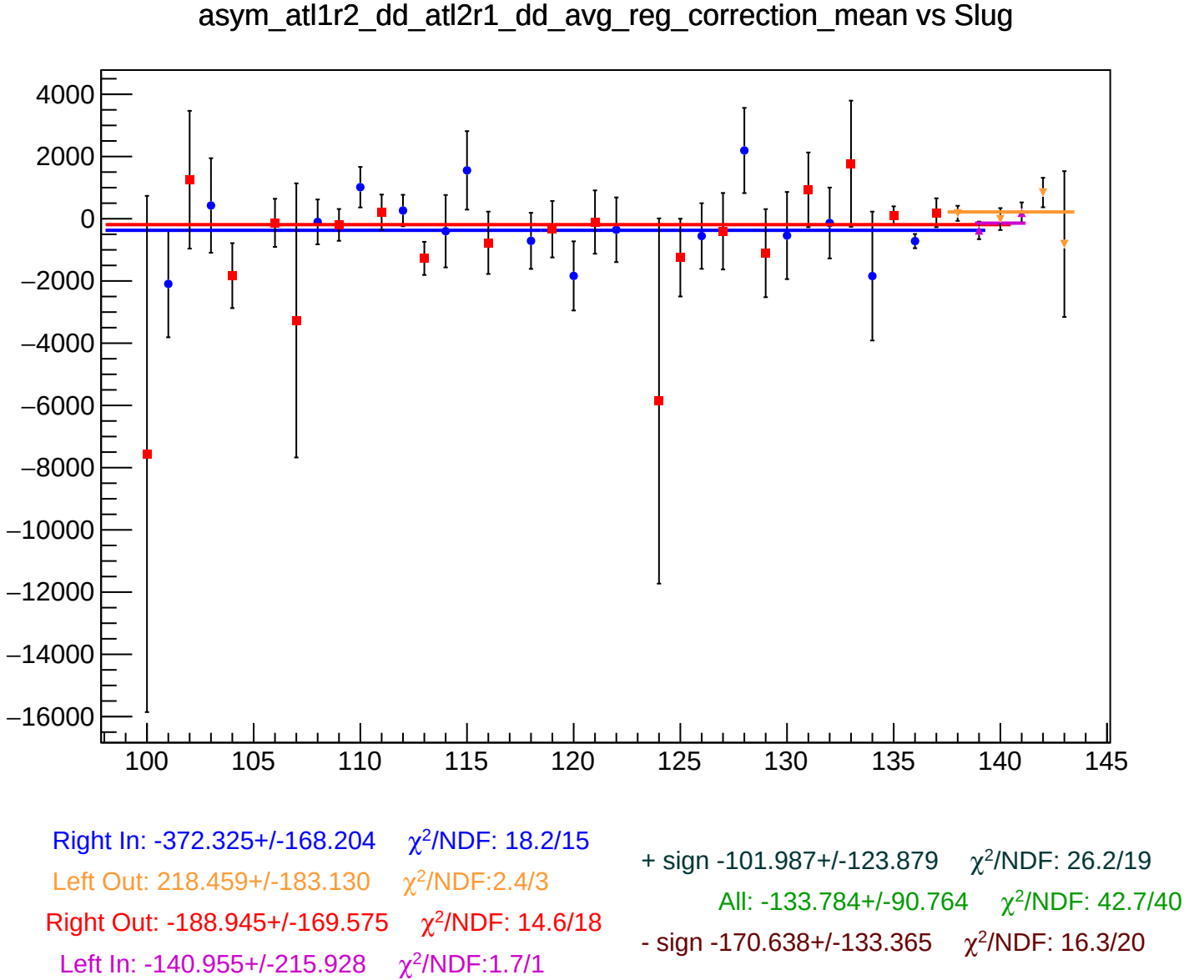
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

+ sign 1314.991+/-0.297 χ^2/NDF: 652793.3/19

All: 1306.652+/-0.214 χ^2/NDF: 982915.9/40

- sign 1297.679+/-0.309 χ^2/NDF: 328490.4/20



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 218.459+/-183.130 χ^2/NDF:2.4/3

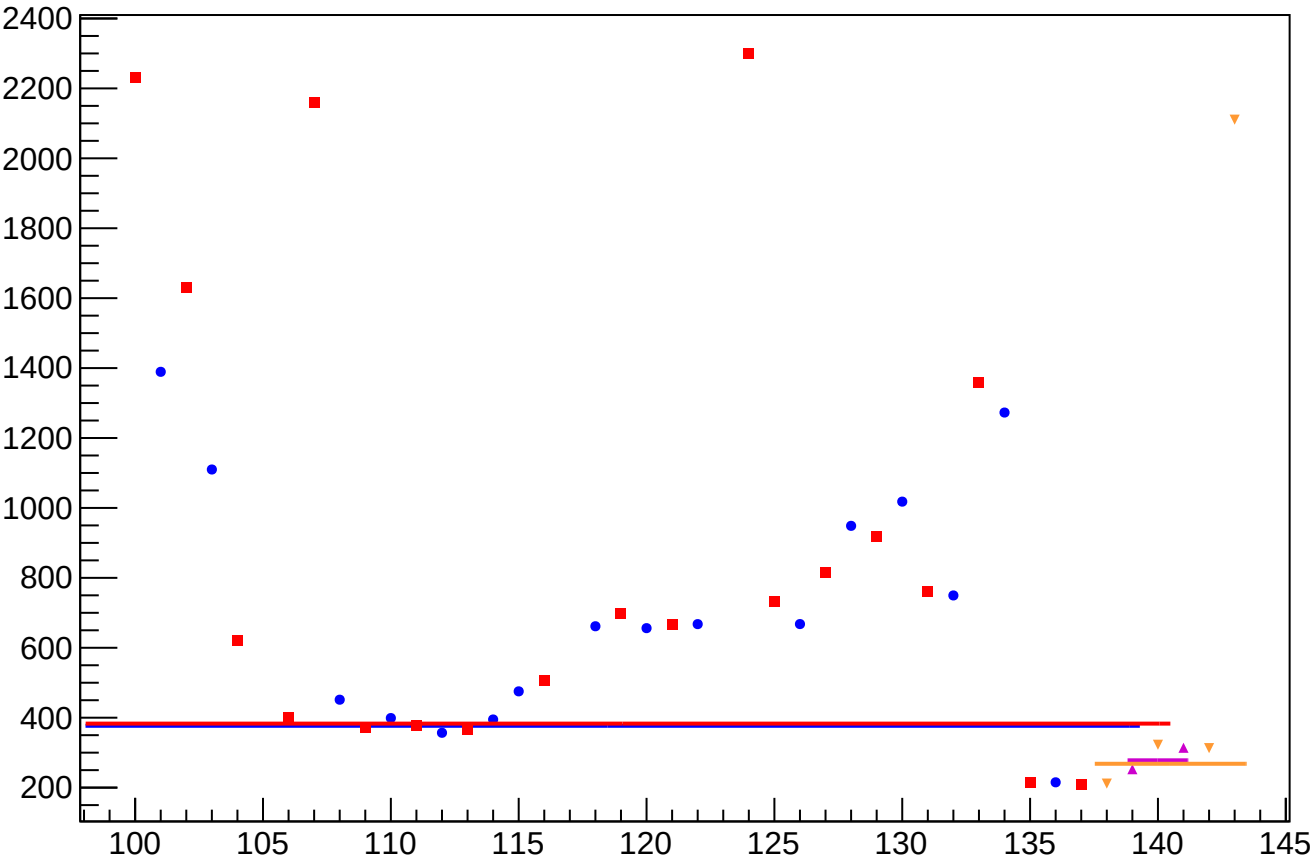
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -140.955+/-215.928 χ^2/NDF:1.7/1

+ sign -101.987+/-123.879 χ^2/NDF: 26.2/19

All: -133.784+/-90.764 χ^2/NDF: 42.7/40

- sign -170.638+/-133.365 χ^2/NDF: 16.3/20



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 268.199+/-0.129 χ^2/NDF:1411017.9/3

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

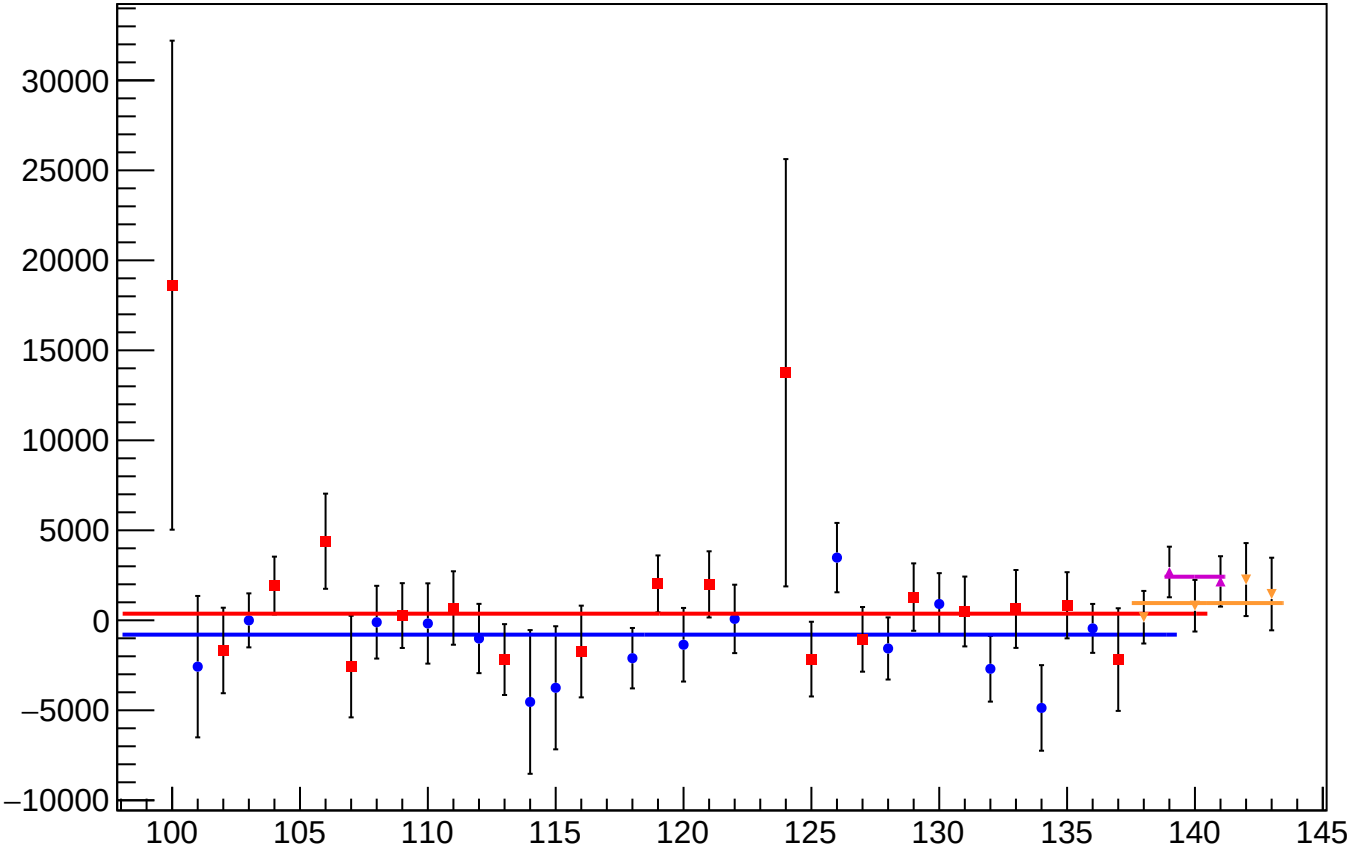
Left In: 278.092+/-0.153 χ^2/NDF:39183.4/1

+ sign 327.155+/-0.088 χ^2/NDF: 5983371.9/19

All: 334.506+/-0.064 χ^2/NDF: 10384296.5/40

- sign 343.026+/-0.094 χ^2/NDF: 4385720.2/20

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 957.880+/-832.092 χ^2/NDF:0.8/3

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

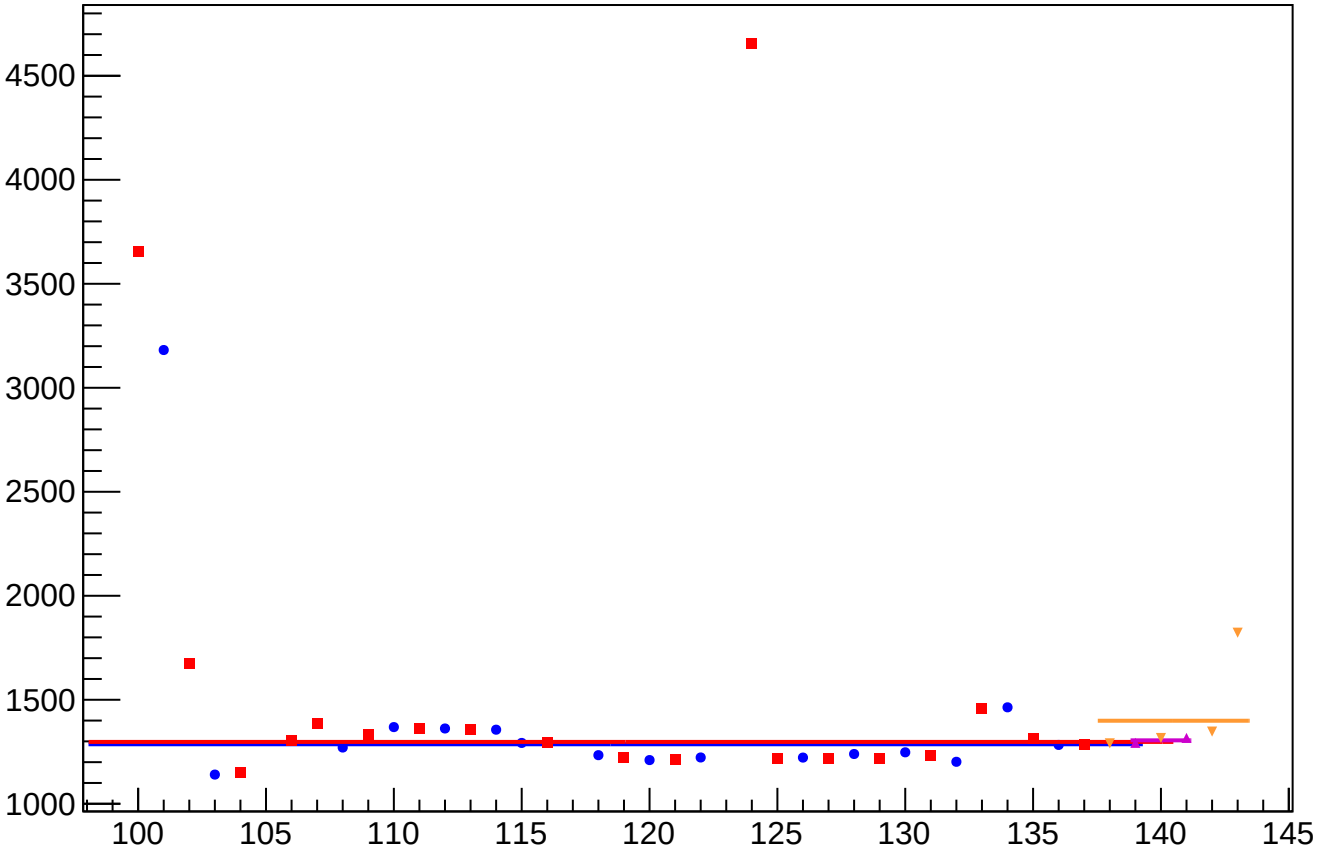
Left In: 2421.688+/-991.779 χ^2/NDF:0.1/1

+ sign -348.543+/-420.597 χ^2/NDF: 17.5/19

All: 187.692+/-302.930 χ^2/NDF: 40.1/40

- sign 765.697+/-436.671 χ^2/NDF: 19.2/20

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

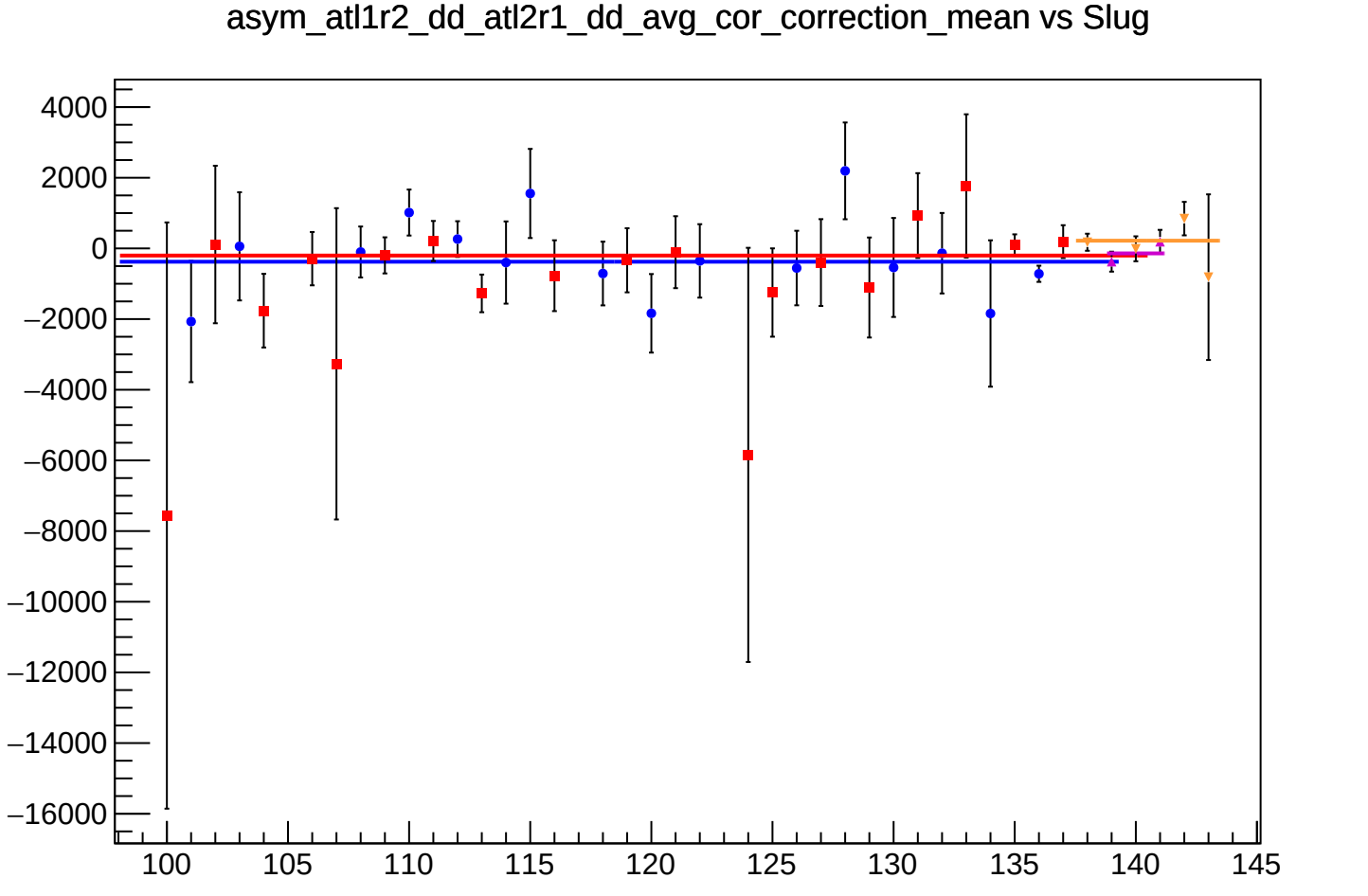
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

+ sign 1314.991+/-0.297 χ^2/NDF: 652794.9/19

All: 1307.224+/-0.214 χ^2/NDF: 982334.9/40

- sign 1298.852+/-0.309 χ^2/NDF: 328122.9/20



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 218.559+/-183.137 χ^2/NDF:2.4/3

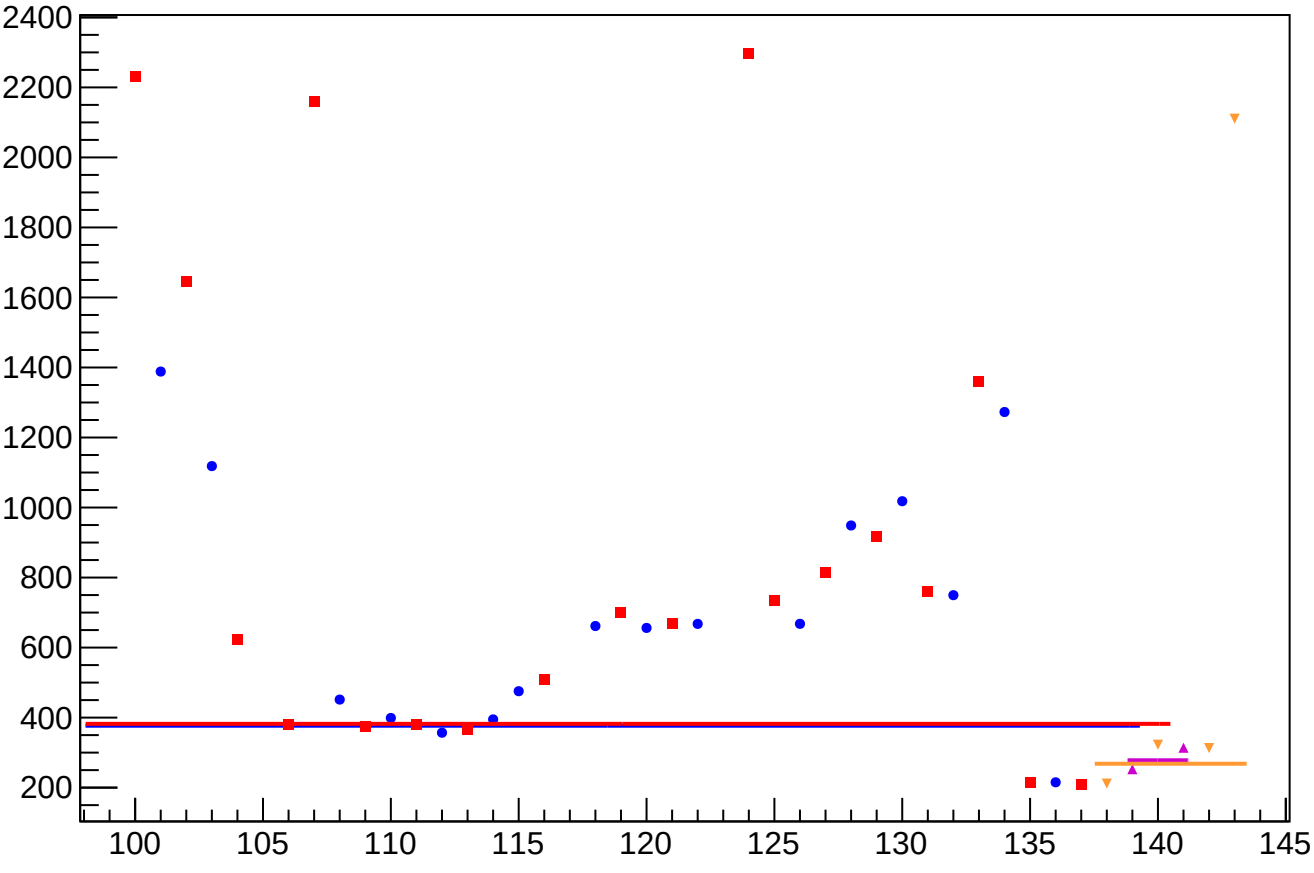
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -141.120+/-215.928 χ^2/NDF:1.7/1

+ sign -104.330+/-123.889 χ^2/NDF: 26.1/19

All: -138.898+/-90.738 χ^2/NDF: 42.0/40

- sign -178.898+/-133.269 χ^2/NDF: 15.8/20



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 268.212+/-0.129 χ^2/NDF:1411039.4/3

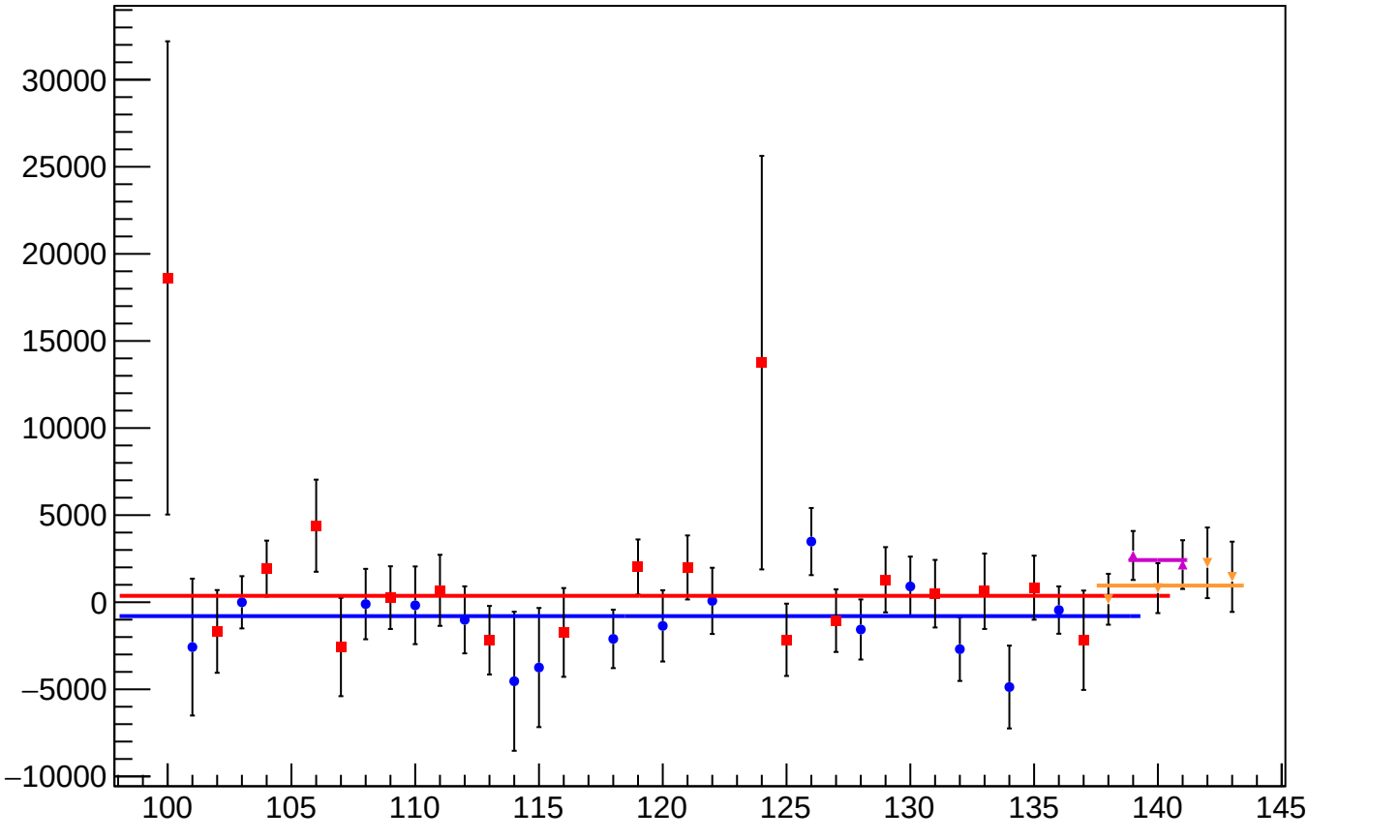
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

+ sign 327.152+/-0.088 χ^2/NDF: 5986321.0/19

All: 334.269+/-0.064 χ^2/NDF: 10386795.8/40

- sign 342.503+/-0.094 χ^2/NDF: 4386239.7/20



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 957.880+/-832.092 χ^2/NDF:0.8/3

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

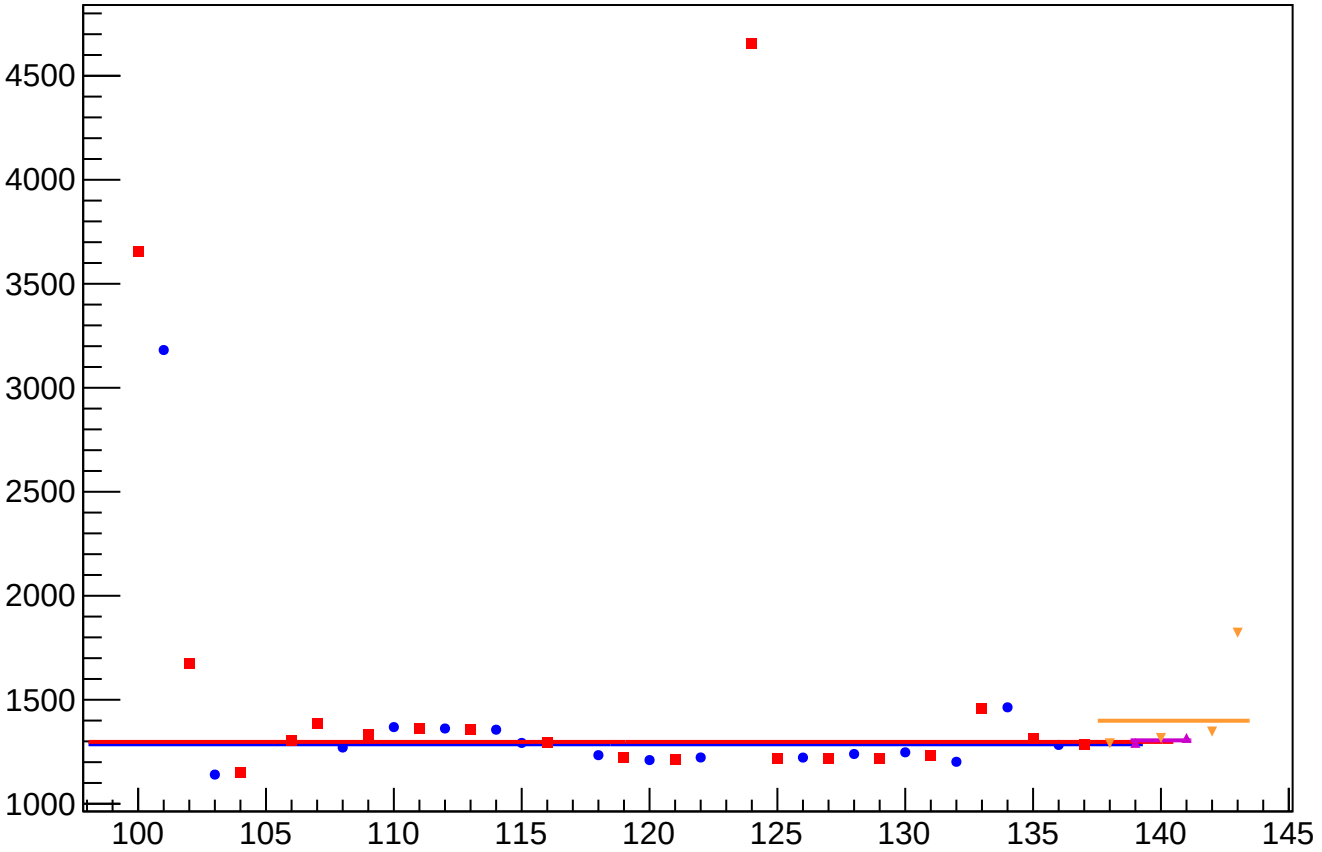
Left In: 2421.688+/-991.779 χ^2/NDF:0.1/1

+ sign -348.543+/-420.597 χ^2/NDF: 17.5/19

All: 187.692+/-302.930 χ^2/NDF: 40.1/40

- sign 765.697+/-436.671 χ^2/NDF: 19.2/20

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: 1399.187+/-0.588 χ^2/NDF:107162.3/3

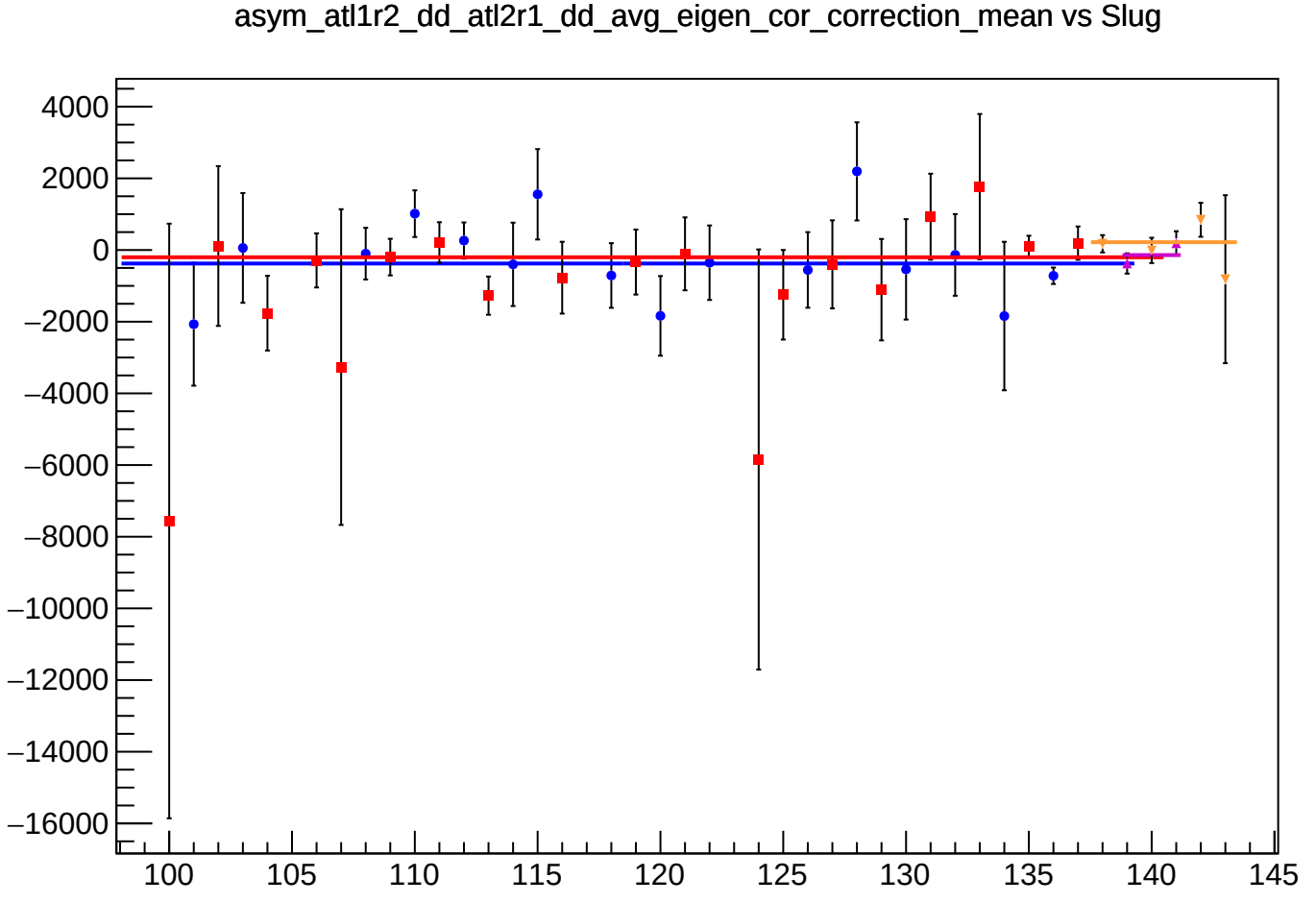
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

+ sign 1314.991+/-0.297 χ^2/NDF: 652794.9/19

All: 1307.224+/-0.214 χ^2/NDF: 982334.9/40

- sign 1298.852+/-0.309 χ^2/NDF: 328122.9/20



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 218.559+/-183.137 χ^2/NDF:2.4/3

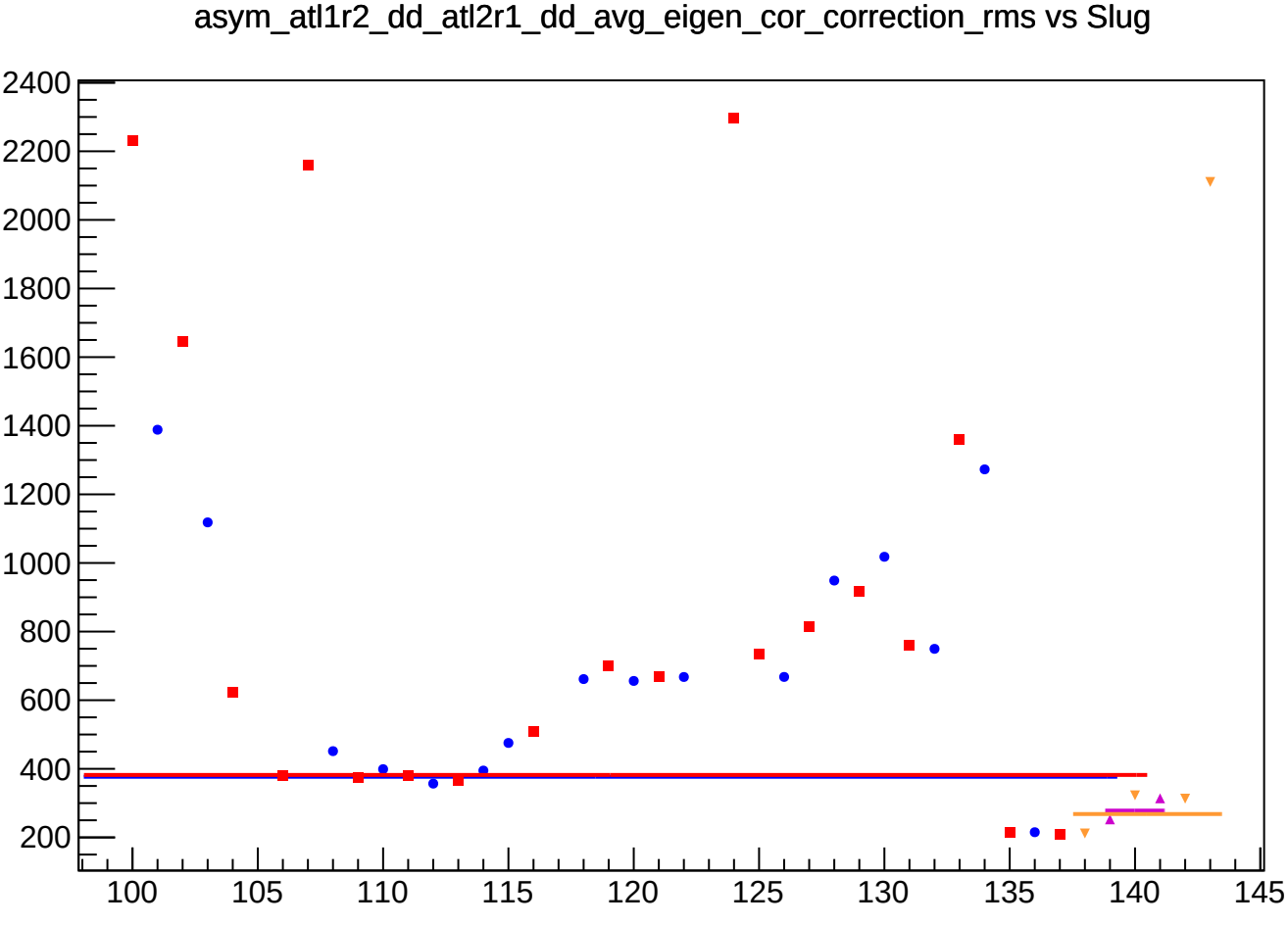
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -141.120+/-215.928 χ^2/NDF:1.7/1

\+ sign -104.330+/-123.889 χ^2/NDF: 26.1/19

All: -138.898+/-90.738 χ^2/NDF: 42.0/40

\- sign -178.898+/-133.269 χ^2/NDF: 15.8/20



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

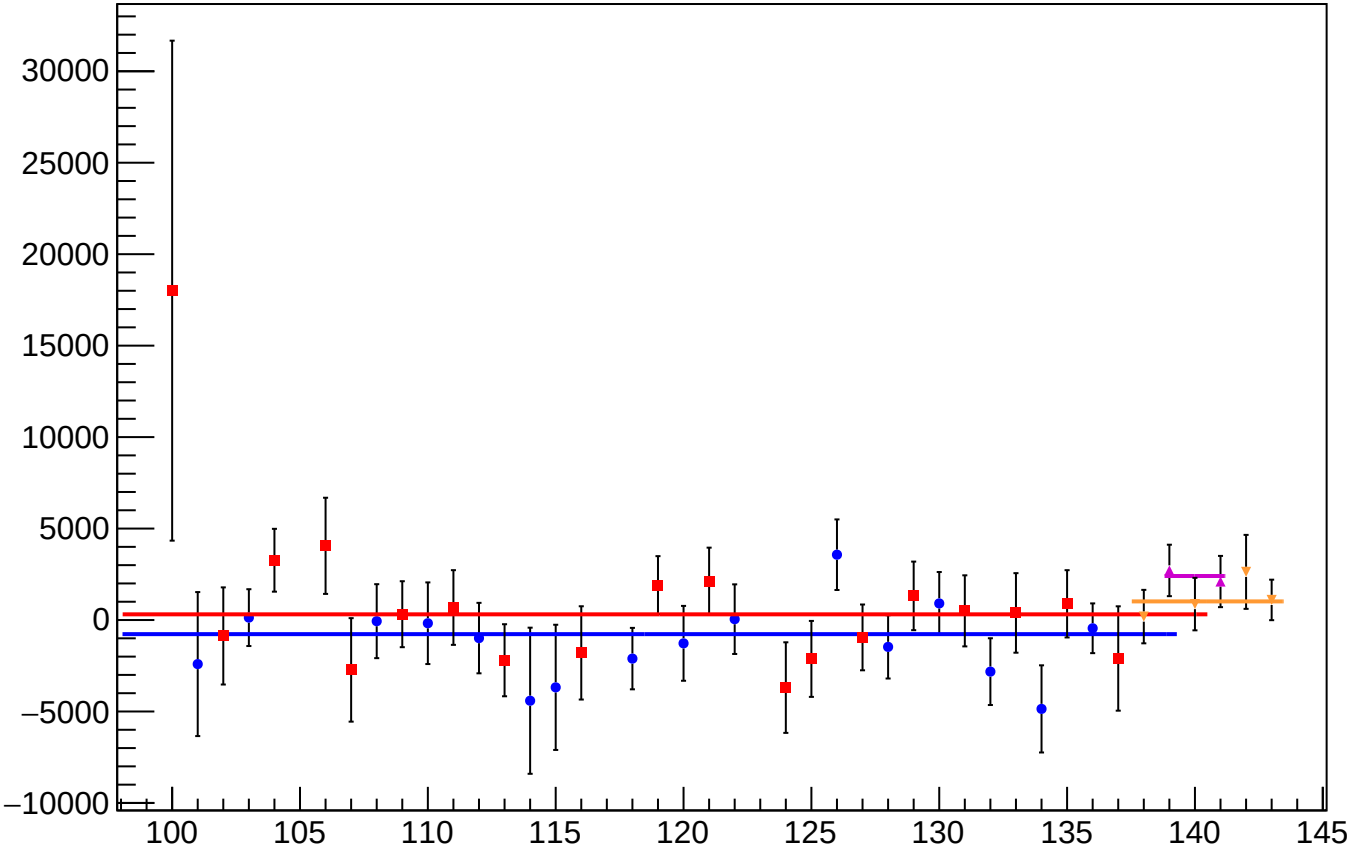
Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

+ sign 327.152+/-0.088 χ^2/NDF: 5986321.0/19

All: 334.269+/-0.064 χ^2/NDF: 10386795.8/40

- sign 342.503+/-0.094 χ^2/NDF: 4386239.7/20

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1018.255+/-704.517 χ^2/NDF:1.0/3

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

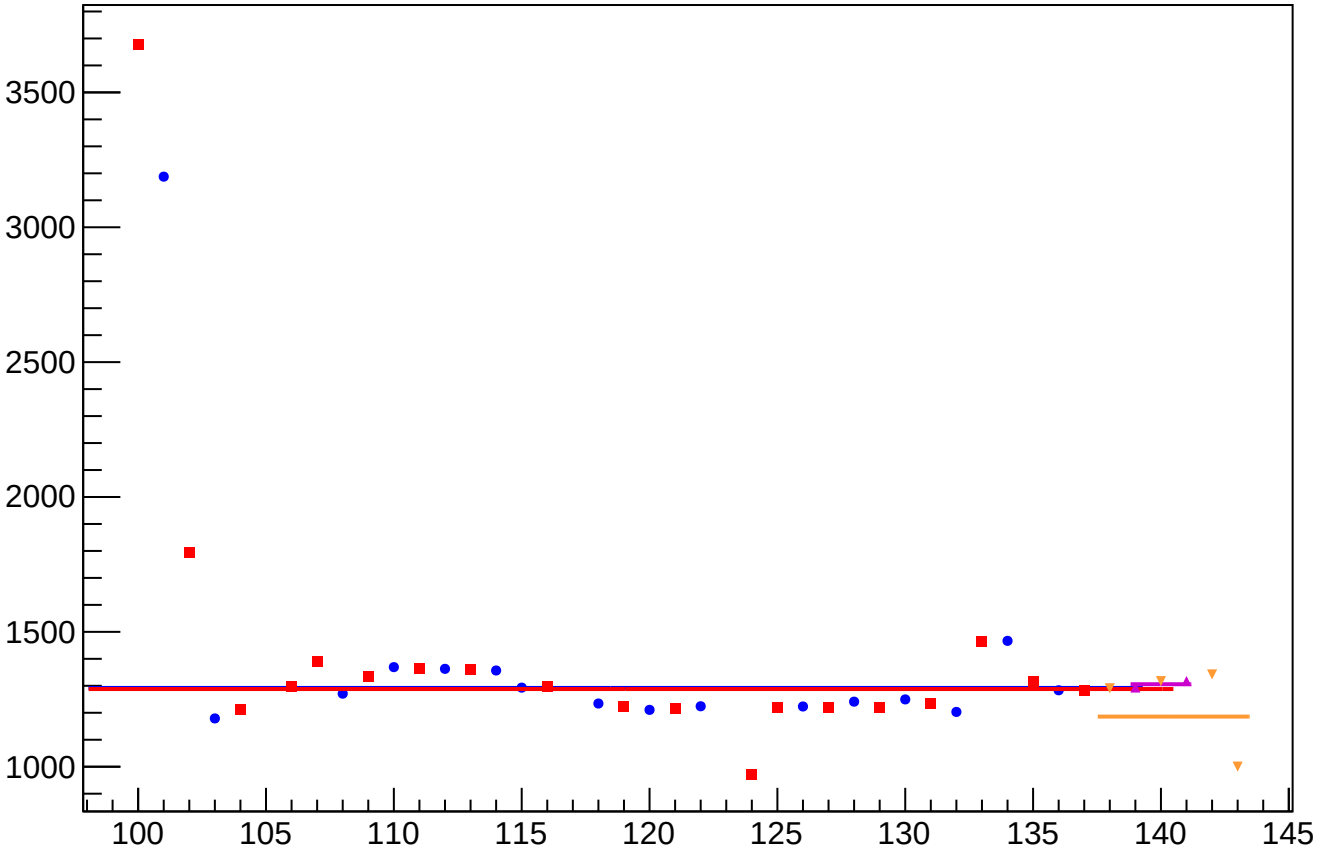
Left In: 2406.569+/-992.473 χ^2/NDF:0.1/1

+ sign -188.631+/-402.050 χ^2/NDF: 18.9/19

All: 227.337+/-294.954 χ^2/NDF: 42.9/40

- sign 712.135+/-434.040 χ^2/NDF: 21.6/20

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95235.2/3

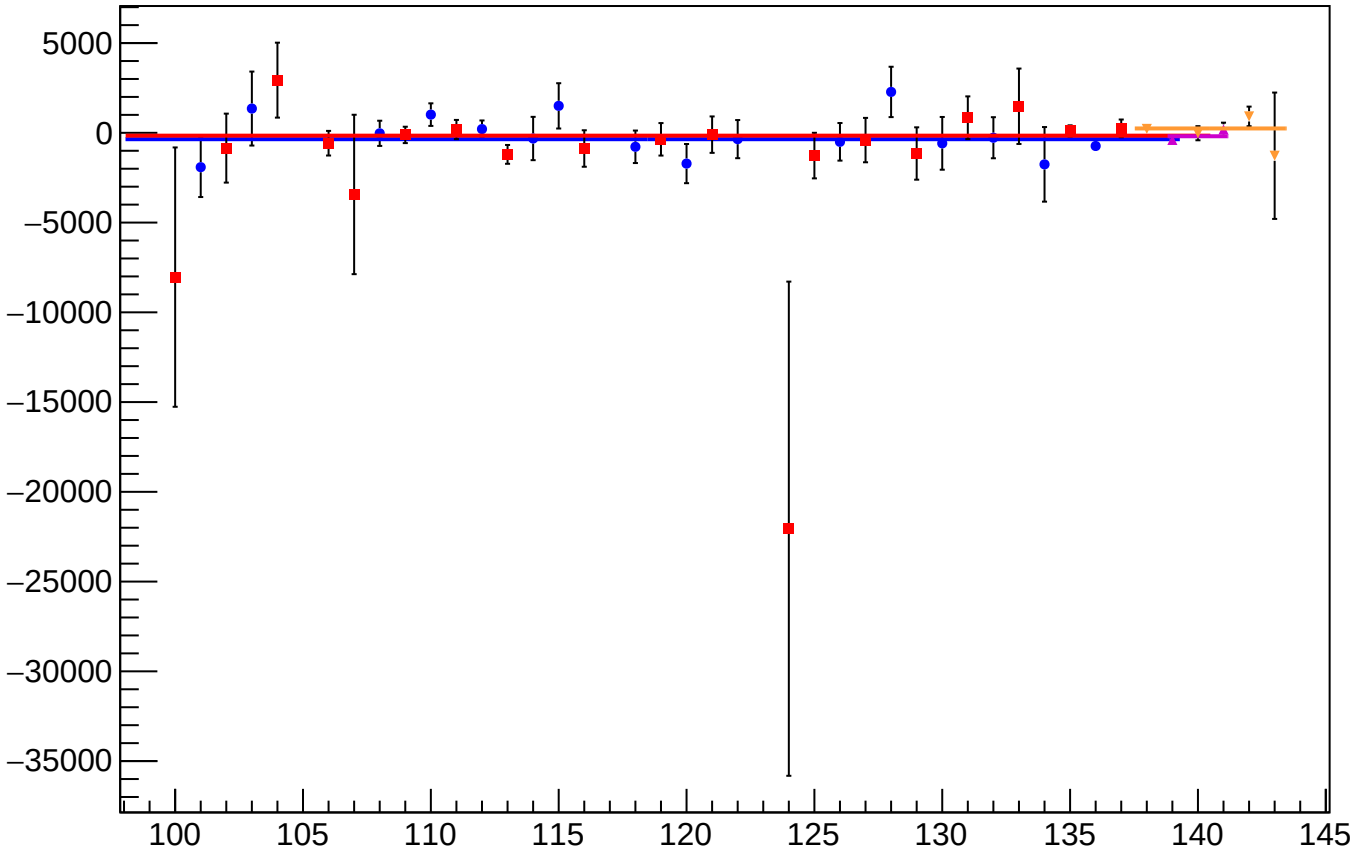
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1305.816+/-0.702 χ^2/NDF:295.2/1

+ sign 1257.441+/-0.284 χ^2/NDF: 635305.5/19

All: 1273.122+/-0.209 χ^2/NDF: 851919.6/40

- sign 1291.398+/-0.307 χ^2/NDF: 210025.9/20



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 243.344+/-193.368 χ^2/NDF:2.2/3

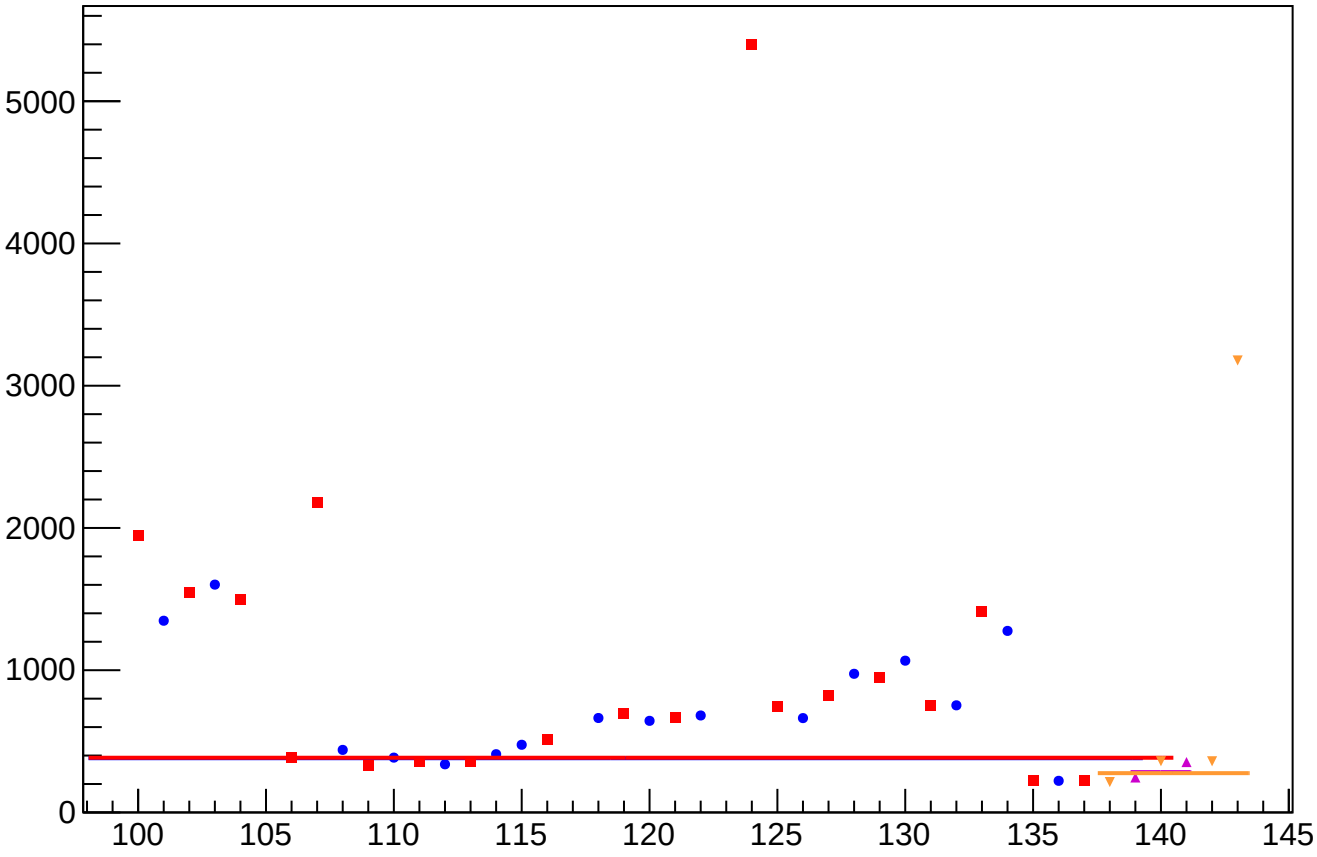
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -191.190+/-223.357 χ^2/NDF:1.6/1

+ sign -94.326+/-127.662 χ^2/NDF: 26.0/19

All: -130.066+/-92.791 χ^2/NDF: 43.6/40

- sign -170.095+/-135.106 χ^2/NDF: 17.4/20



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 276.288+/-0.137 χ^2/NDF:1628852.6/3

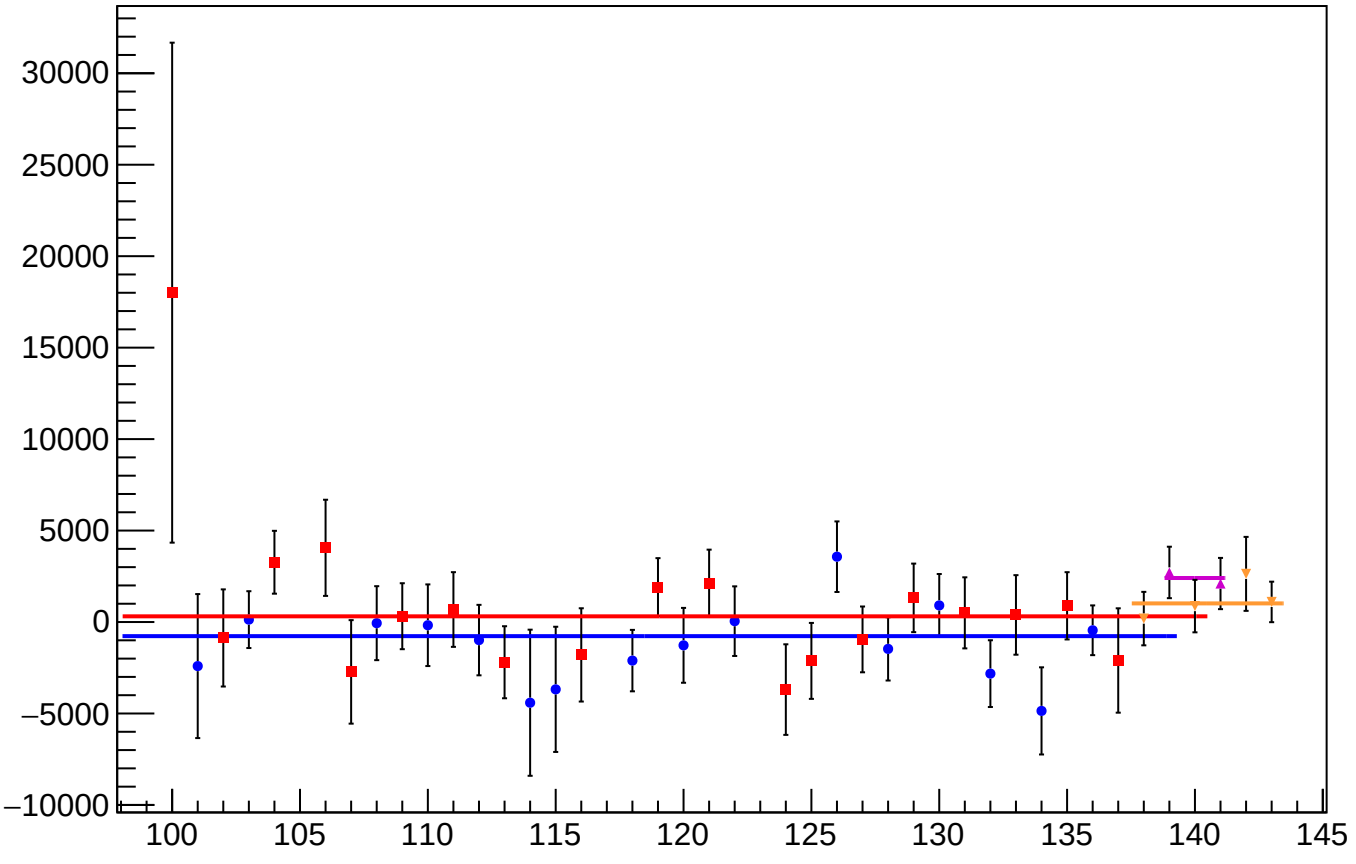
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 283.807+/-0.158 χ^2/NDF:107020.9/1

+ sign 335.556+/-0.090 χ^2/NDF: 6279837.5/19

All: 341.309+/-0.066 χ^2/NDF: 11214198.3/40

- sign 347.753+/-0.096 χ^2/NDF: 4925749.1/20



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1018.253+/-704.518 χ^2/NDF:1.0/3

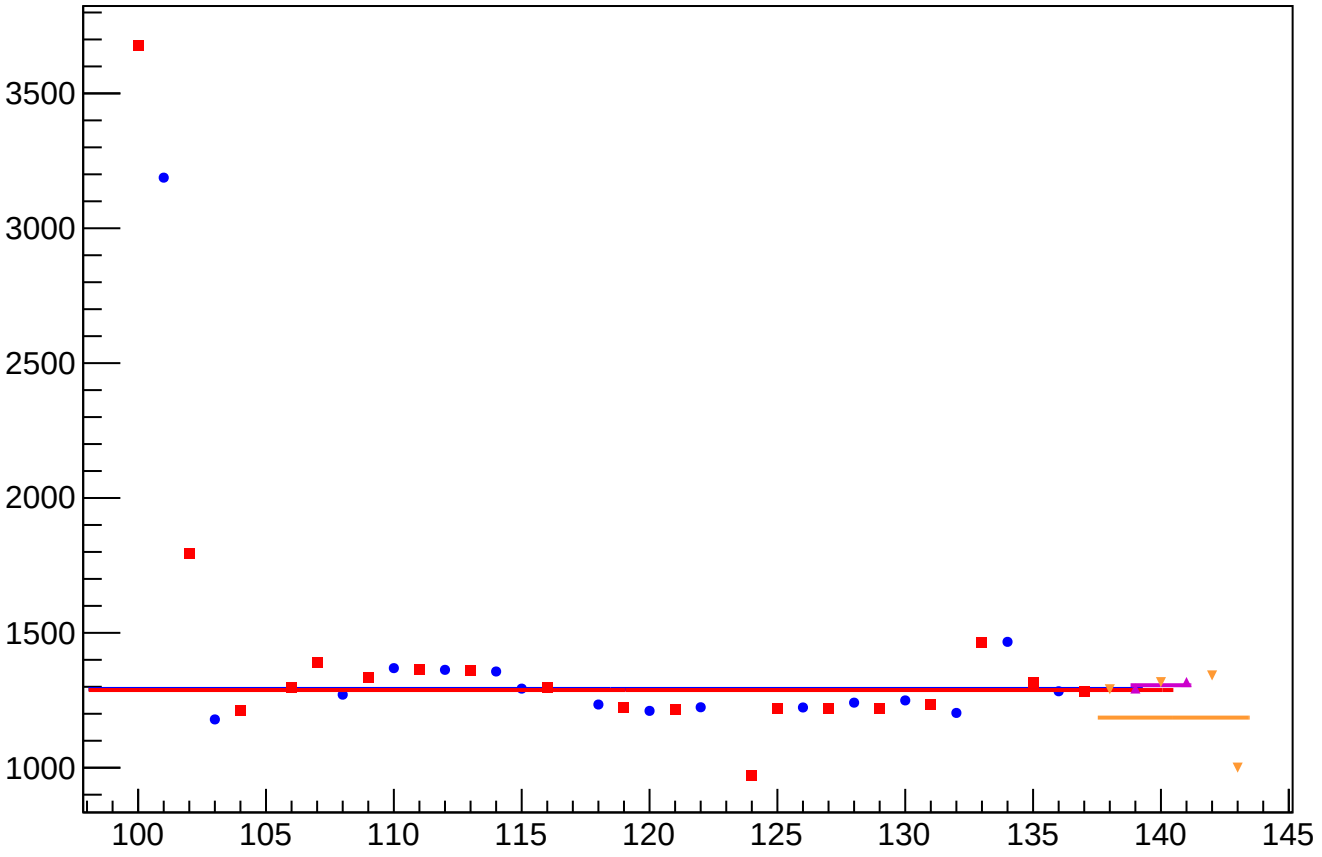
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 2406.560+/-992.473 χ^2/NDF:0.1/1

+ sign -188.634+/-402.050 χ^2/NDF: 18.9/19

All: 227.336+/-294.954 χ^2/NDF: 42.9/40

- sign 712.135+/-434.040 χ^2/NDF: 21.6/20



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95234.6/3

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

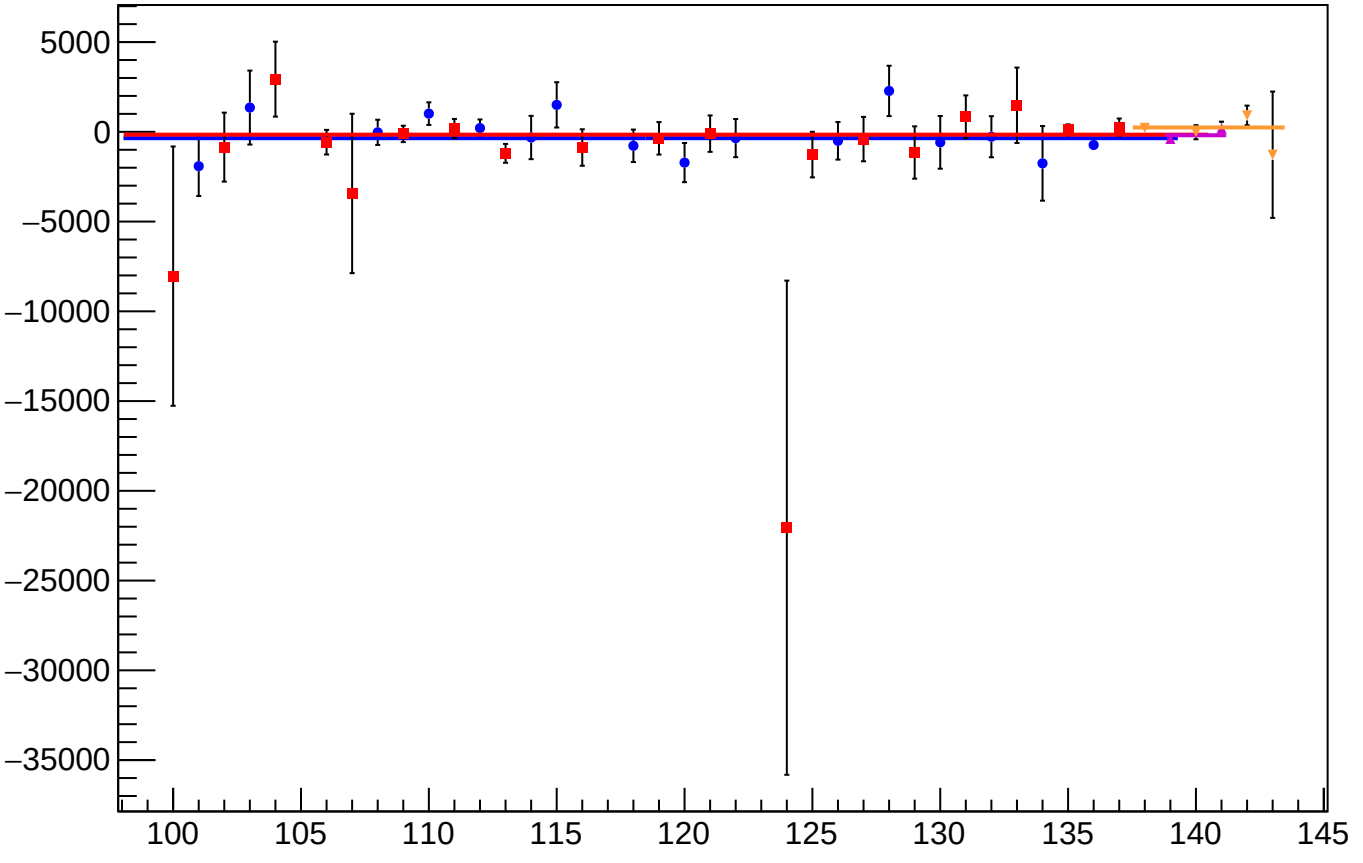
Left In: 1305.816+/-0.702 χ^2/NDF:295.2/1

+ sign 1257.442+/-0.284 χ^2/NDF: 635304.6/19

All: 1273.122+/-0.209 χ^2/NDF: 851918.9/40

- sign 1291.398+/-0.307 χ^2/NDF: 210026.2/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 243.355+/-193.376 χ^2/NDF:2.2/3

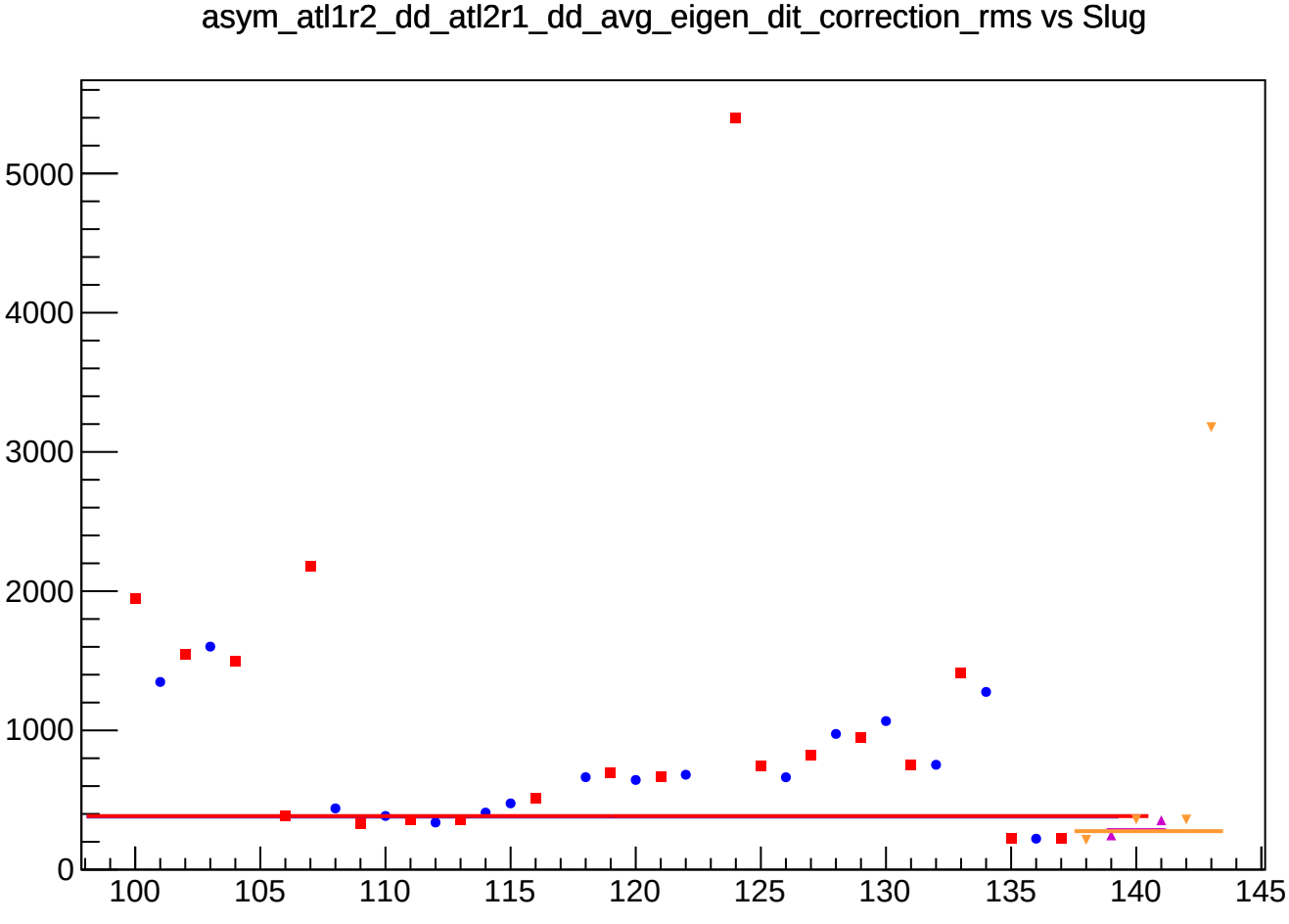
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -191.194+/-223.367 χ^2/NDF:1.6/1

+ sign -94.329+/-127.666 χ^2/NDF: 26.0/19

All: -130.070+/-92.793 χ^2/NDF: 43.6/40

- sign -170.100+/-135.109 χ^2/NDF: 17.4/20



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 276.302+/-0.137 χ^2/NDF:1628791.9/3

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

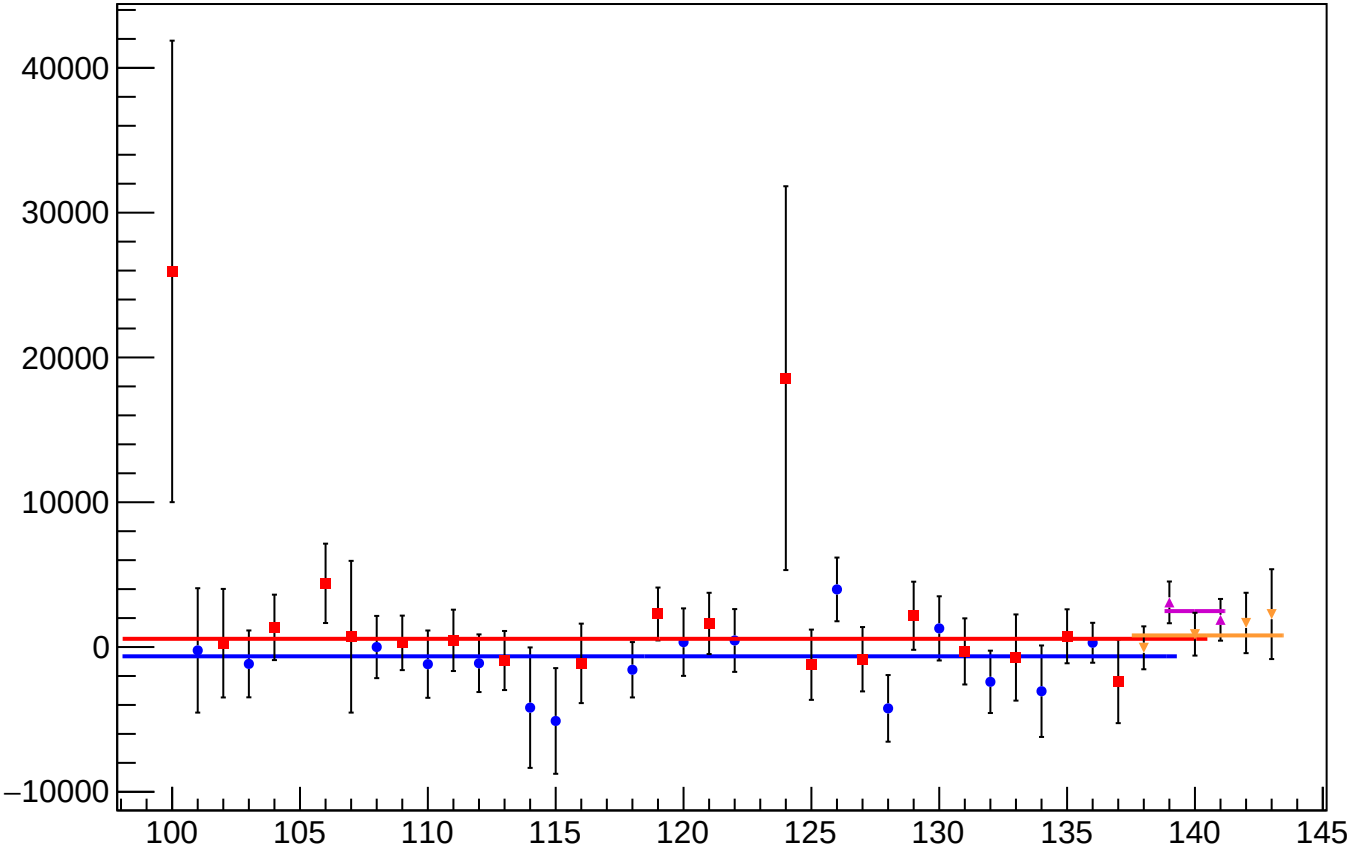
Left In: 283.821+/-0.158 χ^2/NDF:106991.7/1

+ sign 335.569+/-0.090 χ^2/NDF: 6279544.8/19

All: 341.322+/-0.066 χ^2/NDF: 11213685.6/40

- sign 347.765+/-0.096 χ^2/NDF: 4925532.0/20

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 801.685+/-895.374 χ^2/NDF:0.7/3

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

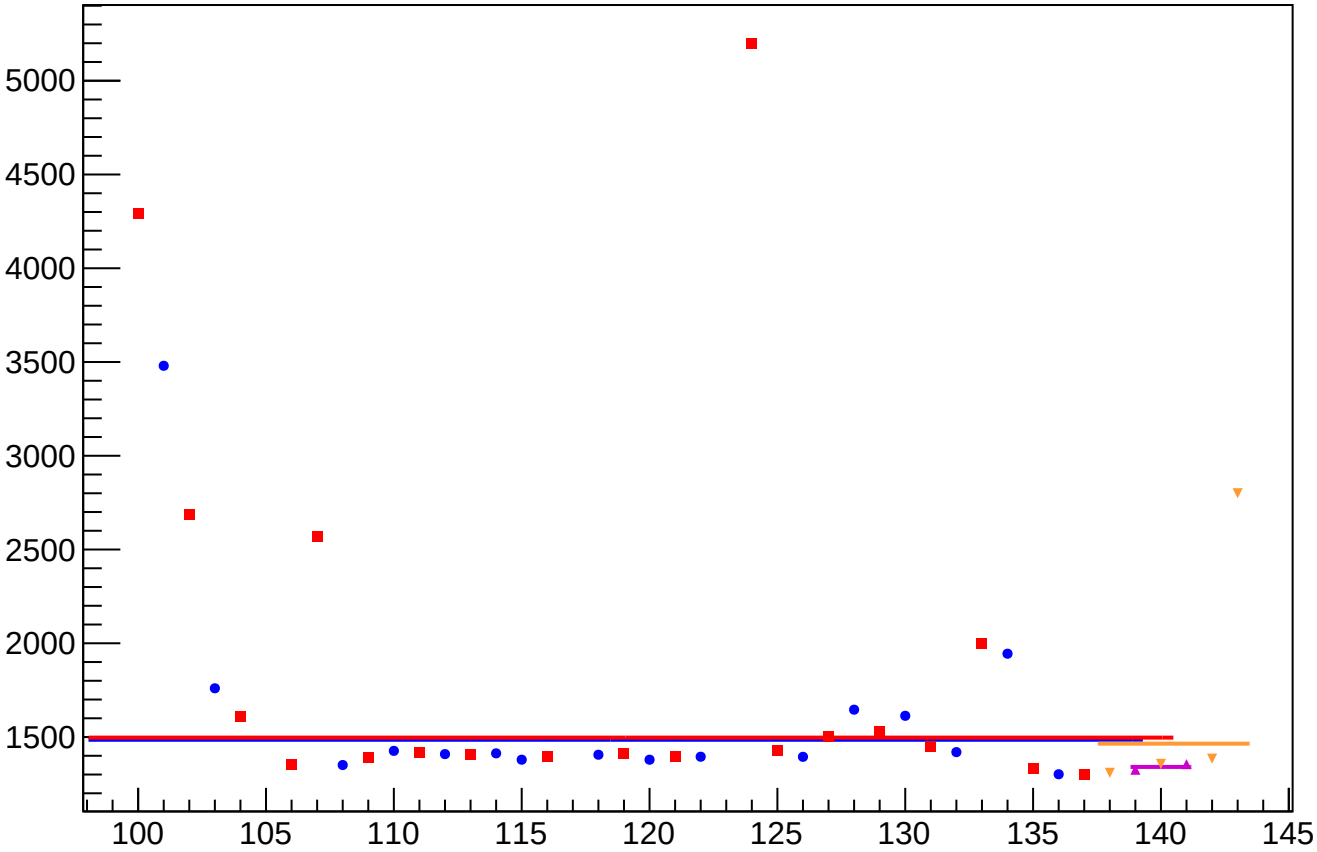
Left In: 2481.984+/-1018.961 χ^2/NDF:0.3/1

+ sign -230.673+/-477.438 χ^2/NDF: 15.1/19

All: 371.539+/-343.744 χ^2/NDF: 32.7/40

- sign 1019.677+/-495.308 χ^2/NDF: 14.4/20

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1464.721+/-0.633 χ^2/NDF:405999.0/3

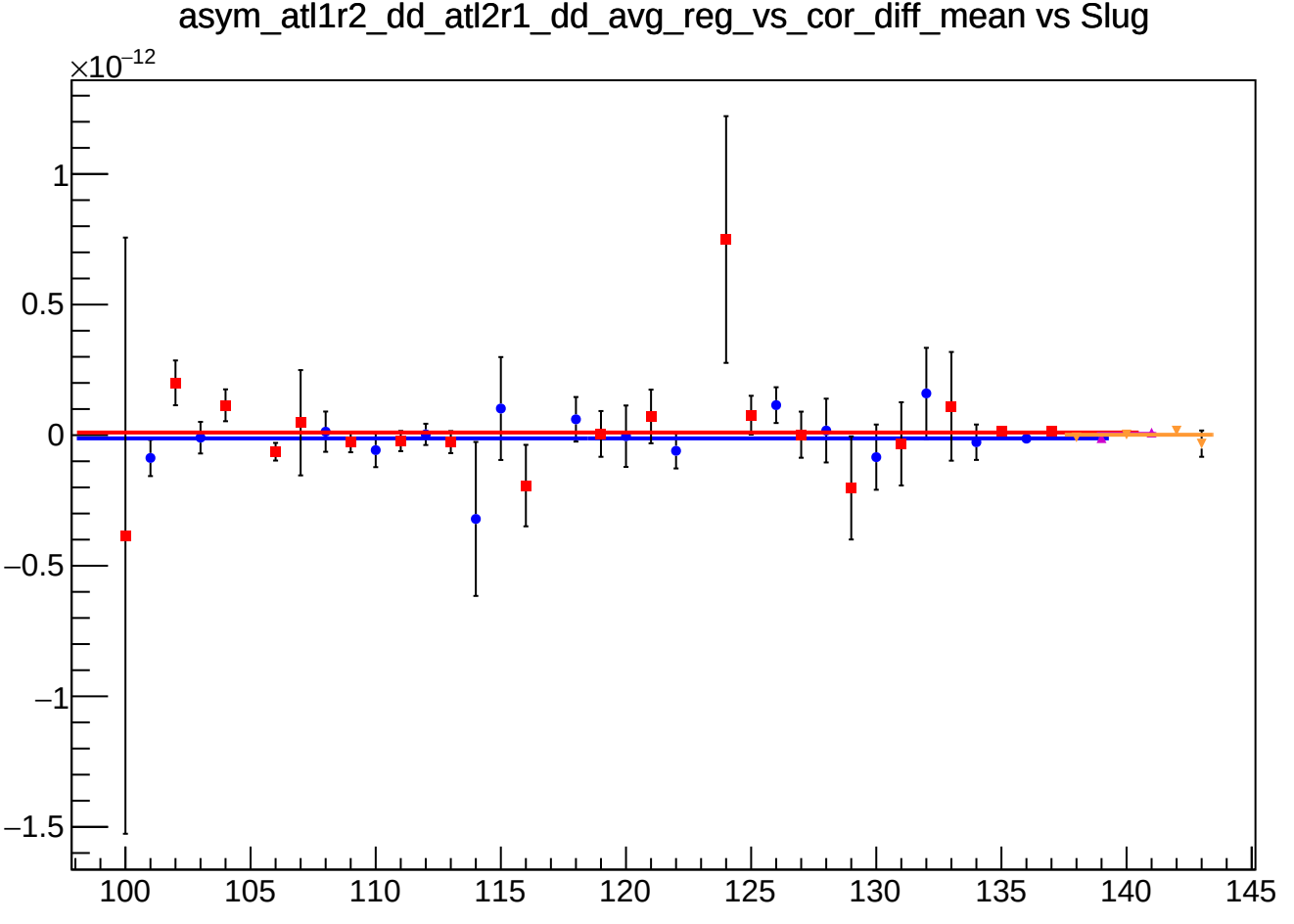
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1340.532+/-0.721 χ^2/NDF:427.7/1

+ sign 1479.499+/-0.338 χ^2/NDF: 991230.3/19

All: 1470.072+/-0.243 χ^2/NDF: 1652523.8/40

- sign 1459.926+/-0.350 χ^2/NDF: 659674.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/3

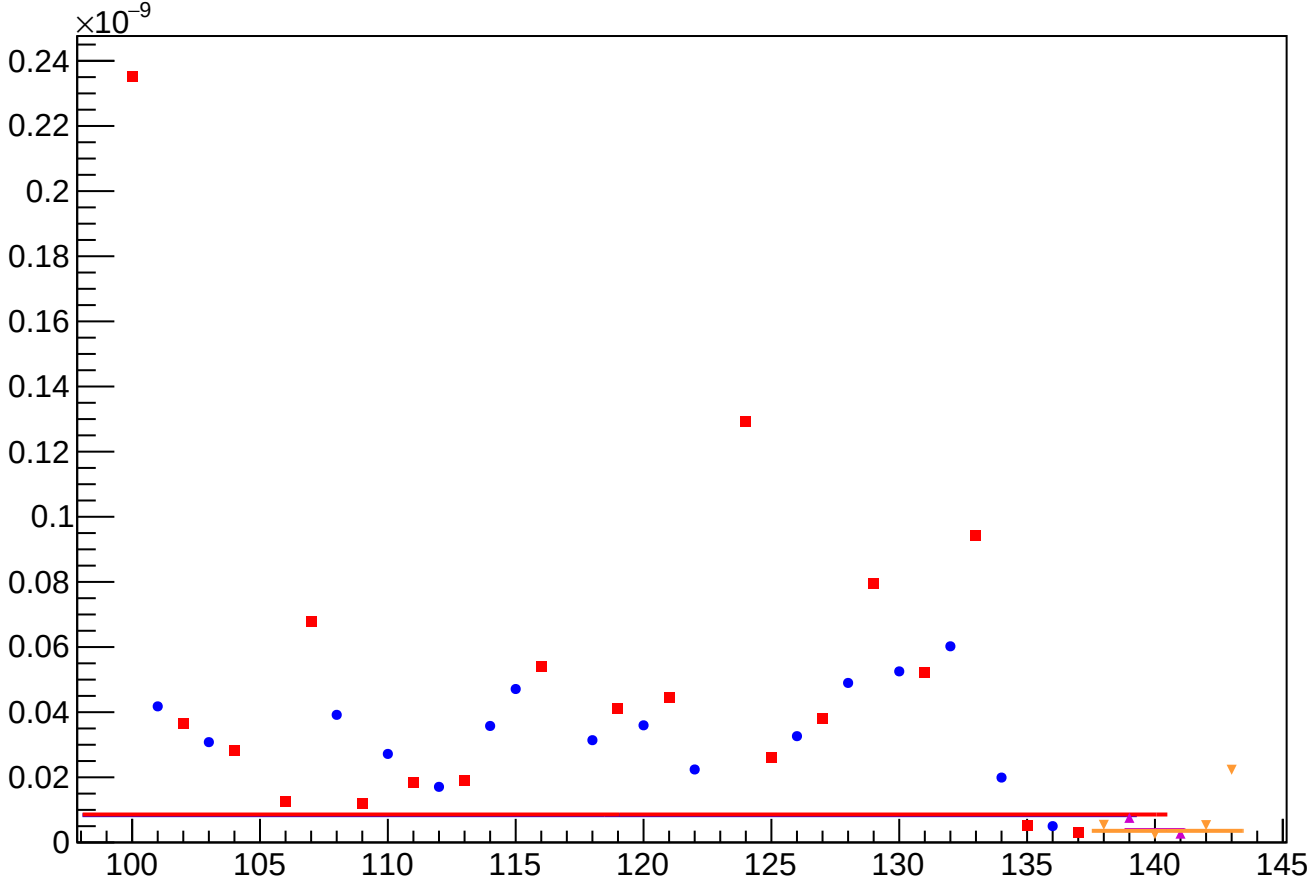
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 15.8/19

All: 0.000+/-0.000 χ^2/NDF: 43.5/40

- sign 0.000+/-0.000 χ^2/NDF: 25.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:510118.6/3

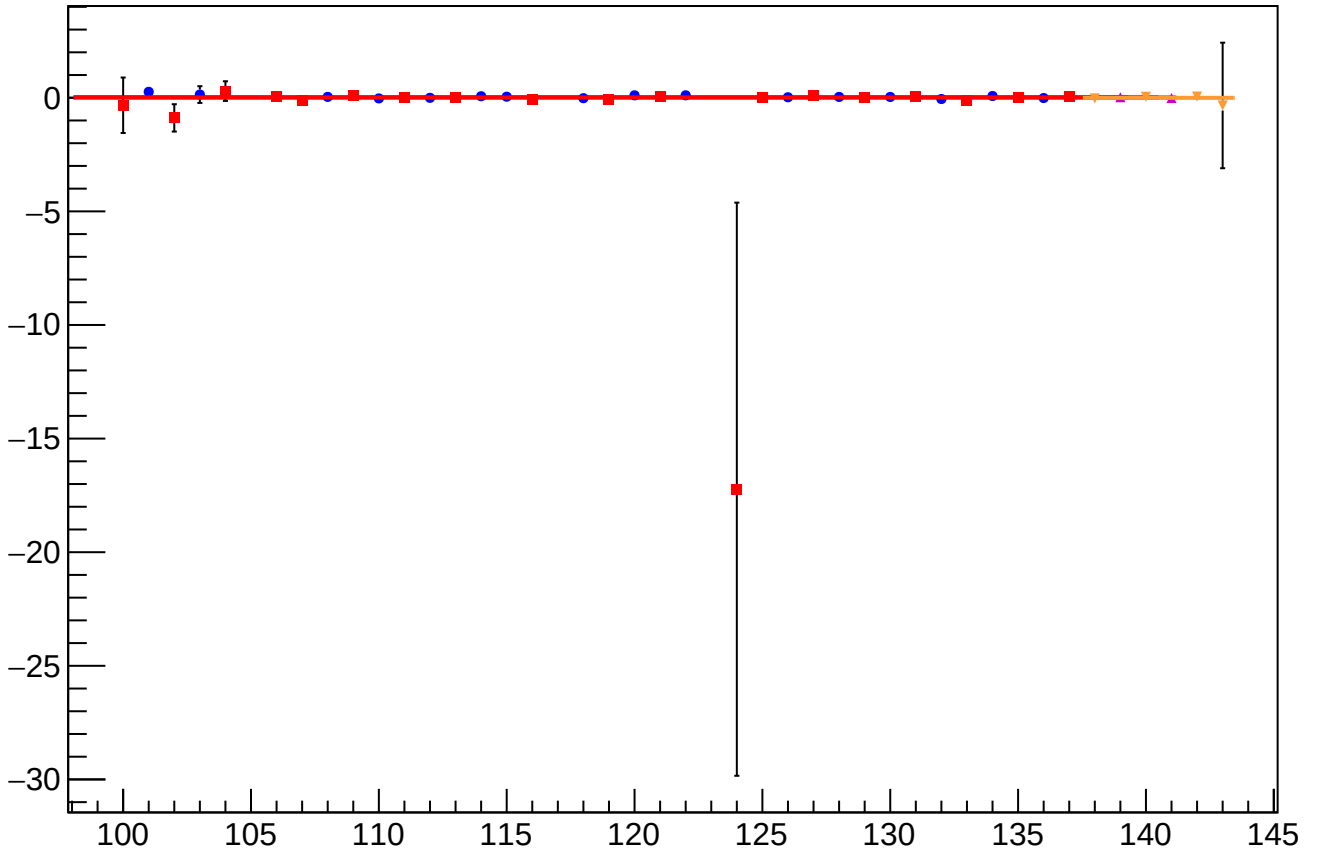
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:314996.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 4221818.8/19

All: 0.000+/-0.000 χ^2/NDF: 8404518.4/40

- sign 0.000+/-0.000 χ^2/NDF: 4161537.7/20



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.003+/-0.022 χ^2/NDF:2.7/3

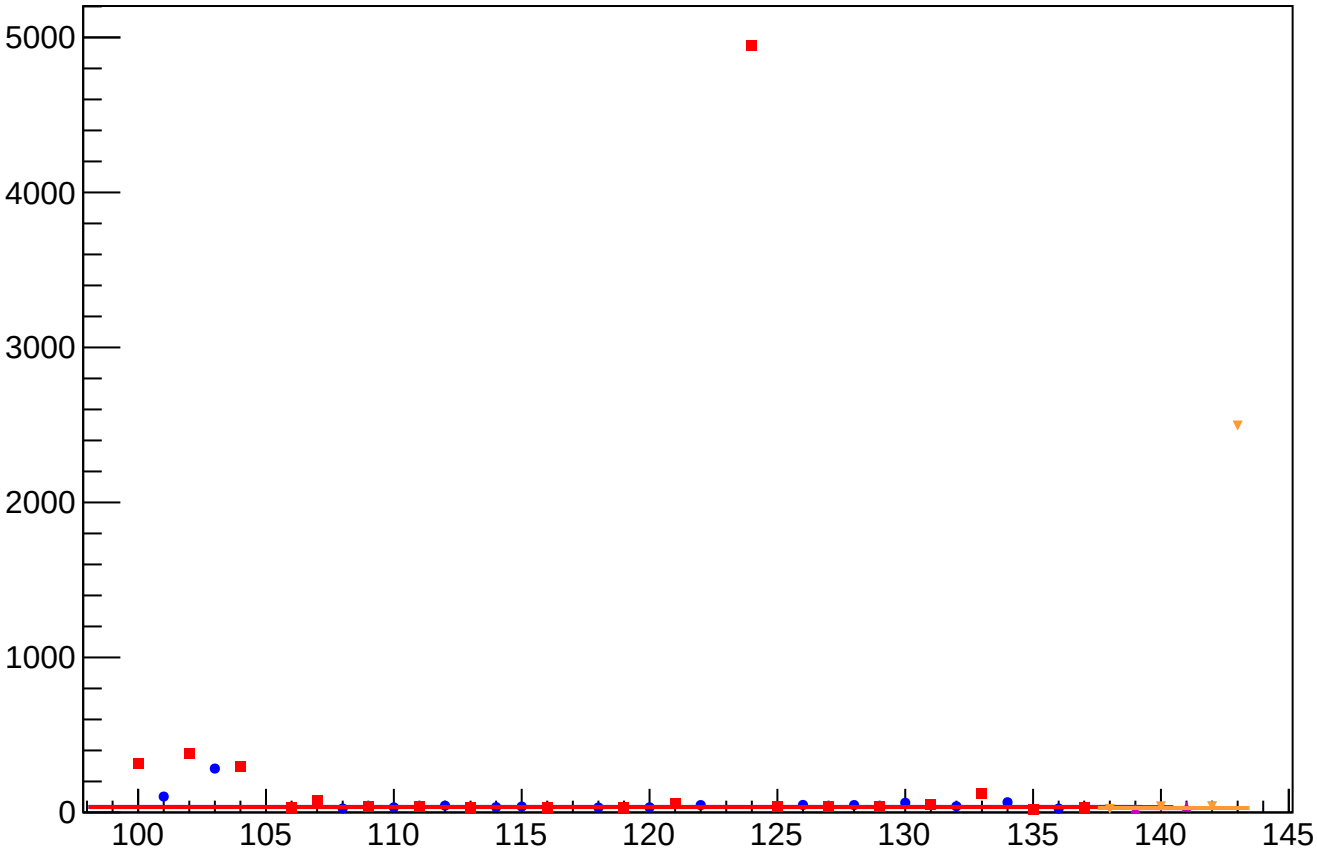
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.013+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.013 χ^2/NDF: 14.7/19

All: 0.012+/-0.009 χ^2/NDF: 31.2/40

- sign 0.013+/-0.013 χ^2/NDF: 16.5/20



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867797.3/3

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

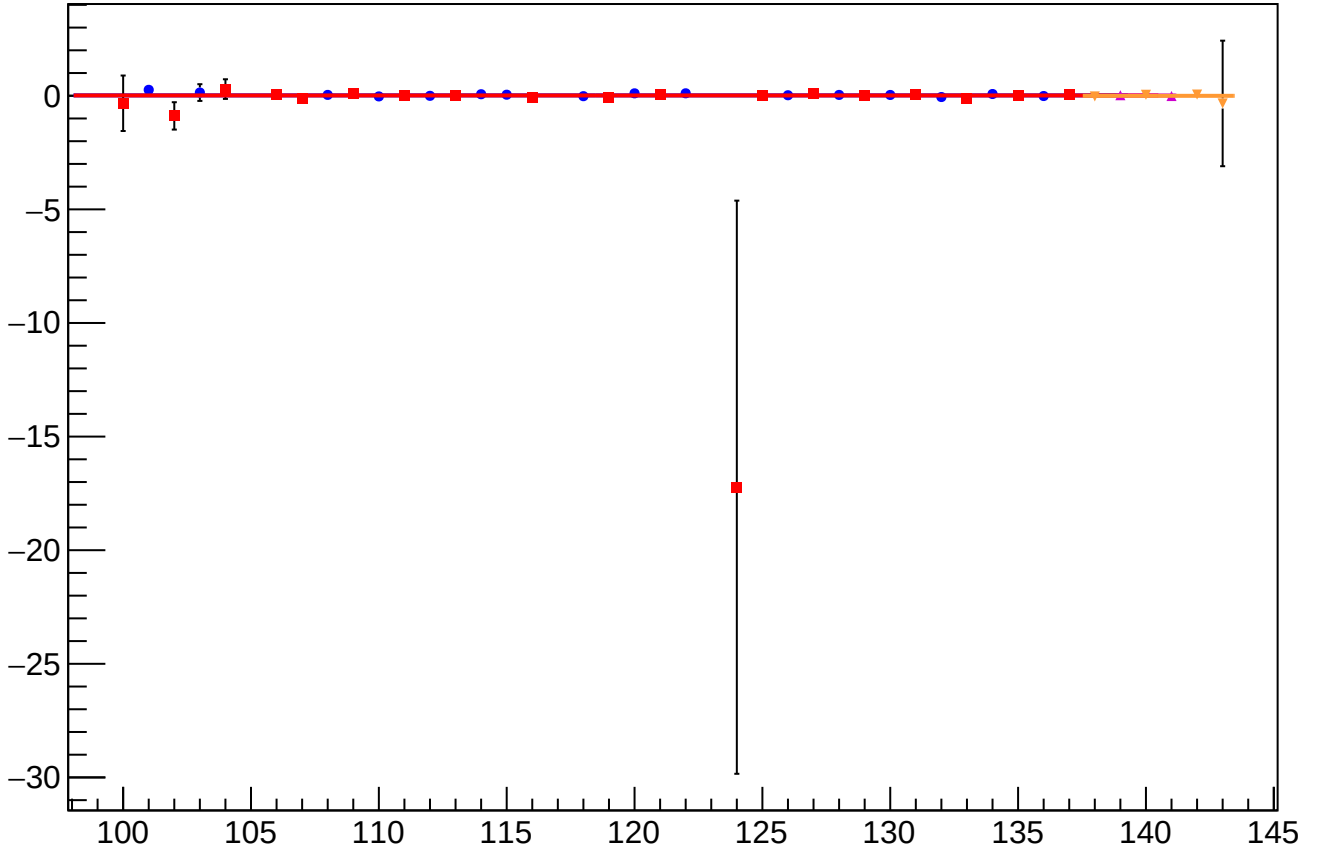
Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

+ sign 33.453+/-0.009 χ^2/NDF: 4267223.3/19

All: 33.111+/-0.006 χ^2/NDF: 7439051.5/40

- sign 32.745+/-0.009 χ^2/NDF: 3168816.5/20

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.003+/-0.022 χ^2/NDF:2.7/3

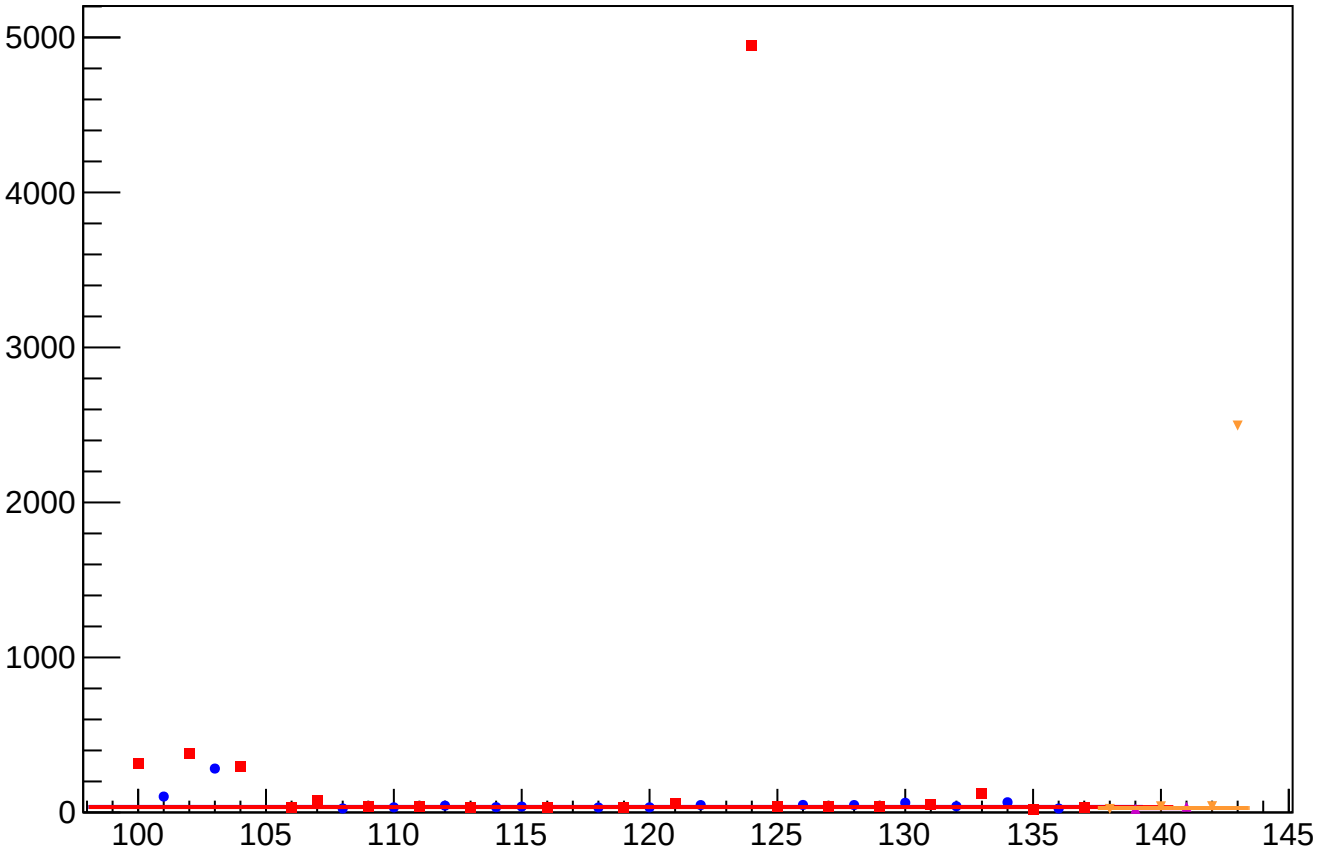
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.013+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.013 χ^2/NDF: 14.7/19

All: 0.012+/-0.009 χ^2/NDF: 31.2/40

- sign 0.013+/-0.013 χ^2/NDF: 16.5/20



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867797.3/3

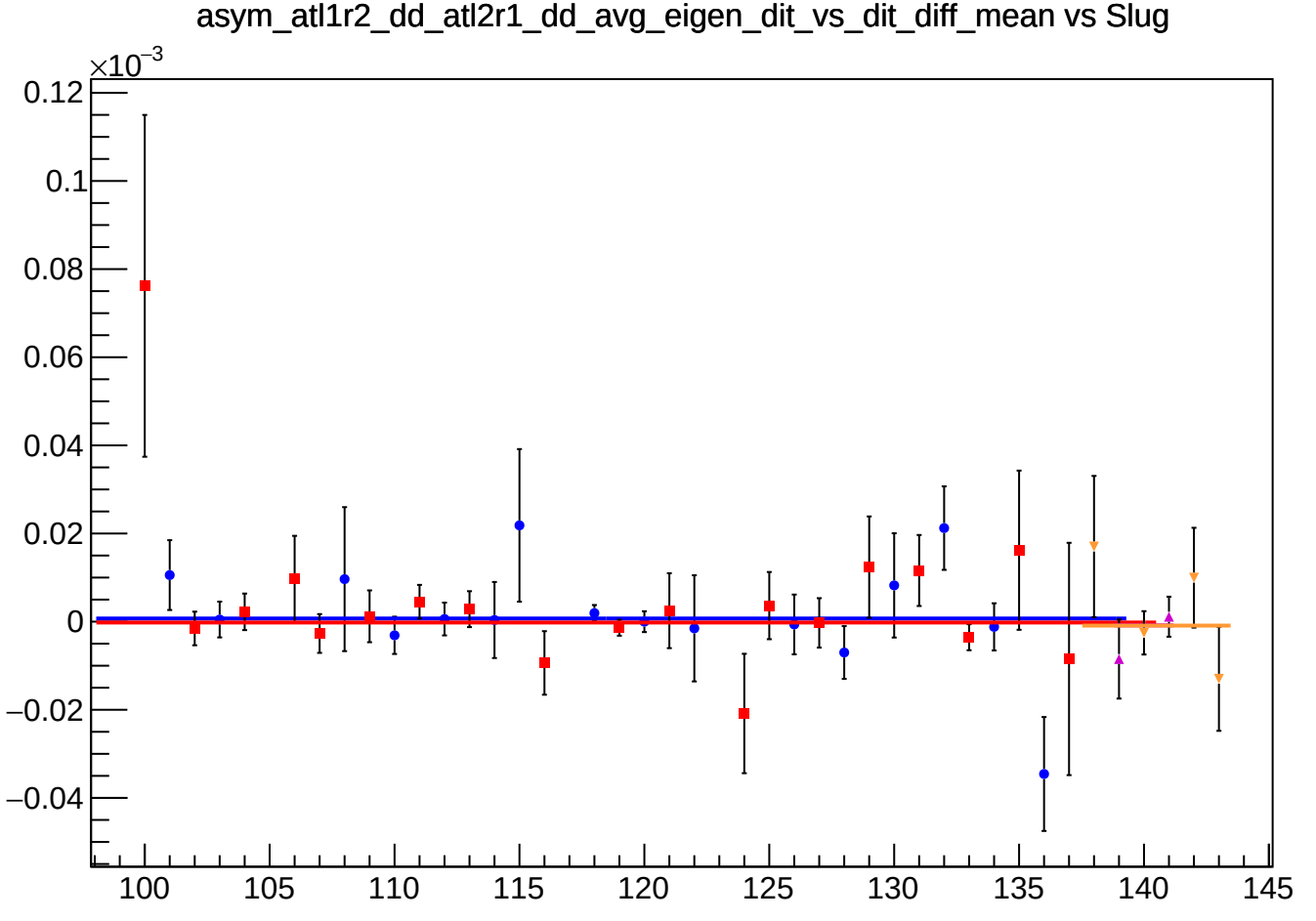
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

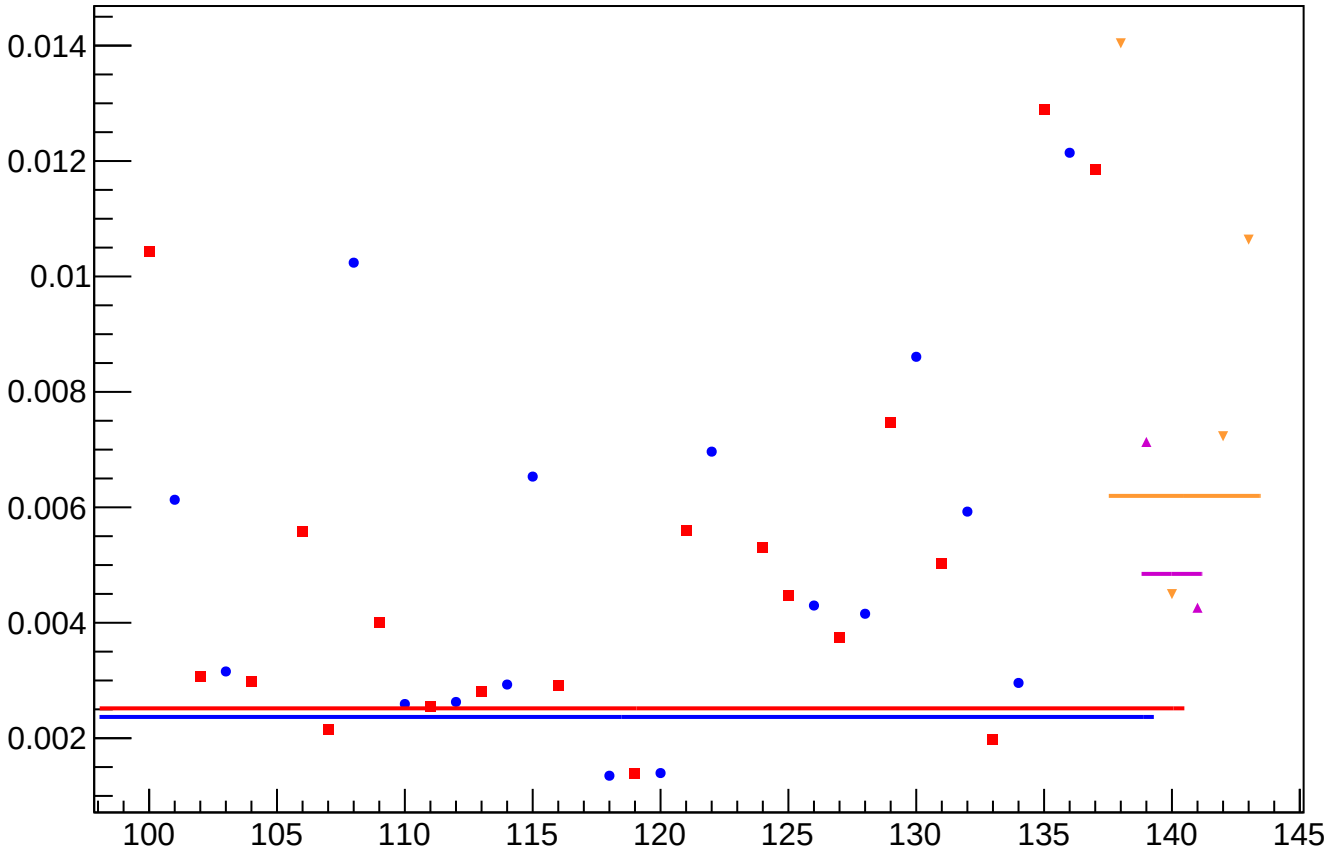
Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

+ sign 33.453+/-0.009 χ^2/NDF: 4267223.3/19

All: 33.111+/-0.006 χ^2/NDF: 7439051.5/40

- sign 32.745+/-0.009 χ^2/NDF: 3168816.5/20


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:3.3/3
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:0.9/1
+ sign 0.000+/-0.000 χ²/NDF: 22.6/19
All: 0.000+/-0.000 χ²/NDF: 41.9/40
- sign -0.000+/-0.000 χ²/NDF: 19.0/20



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1017359.5/3

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

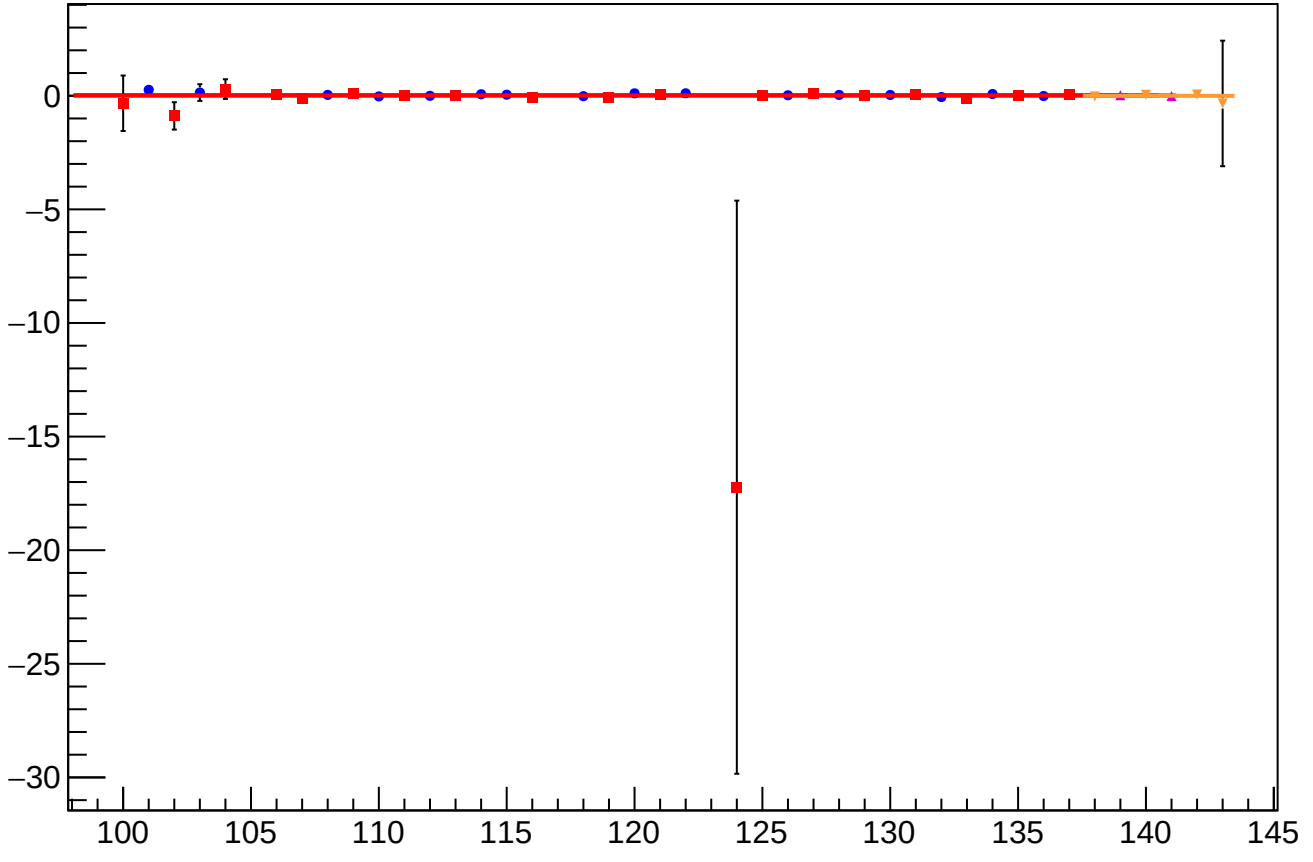
Left In: 0.005+/-0.000 χ^2/NDF:163119.1/1

+ sign 0.003+/-0.000 χ^2/NDF: 7384299.5/19

All: 0.003+/-0.000 χ^2/NDF: 11564096.1/40

- sign 0.003+/-0.000 χ^2/NDF: 4178584.2/20

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+/-0.022 χ^2/NDF:2.7/3

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

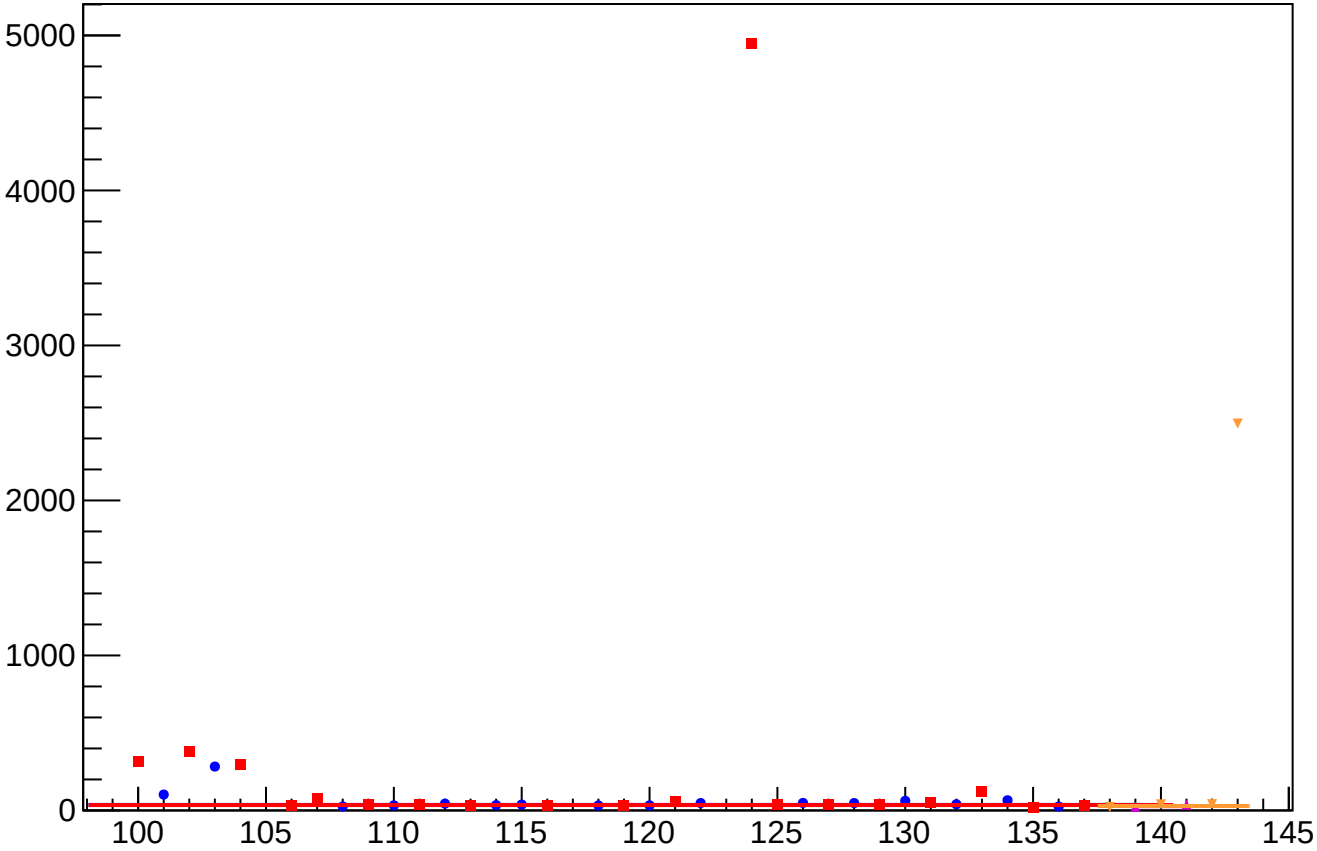
Left In: 0.013+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.013 χ^2/NDF: 14.7/19

All: 0.012+/-0.009 χ^2/NDF: 31.2/40

- sign 0.013+/-0.013 χ^2/NDF: 16.5/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867949.2/3

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

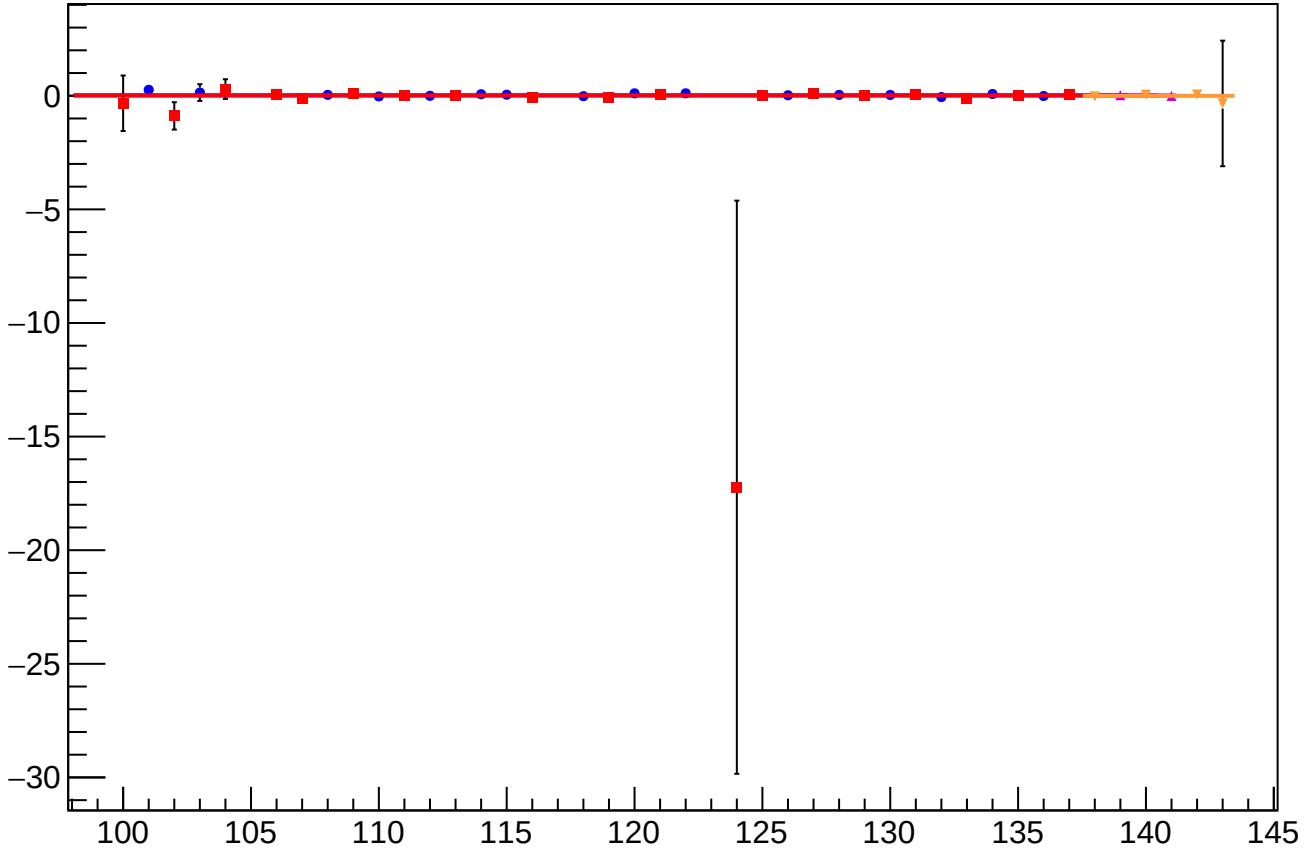
Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

+ sign 33.454+/-0.009 χ^2/NDF: 4267173.7/19

All: 33.111+/-0.006 χ^2/NDF: 7439216.9/40

- sign 32.744+/-0.009 χ^2/NDF: 3169017.0/20

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+/-0.022 χ^2/NDF:2.7/3

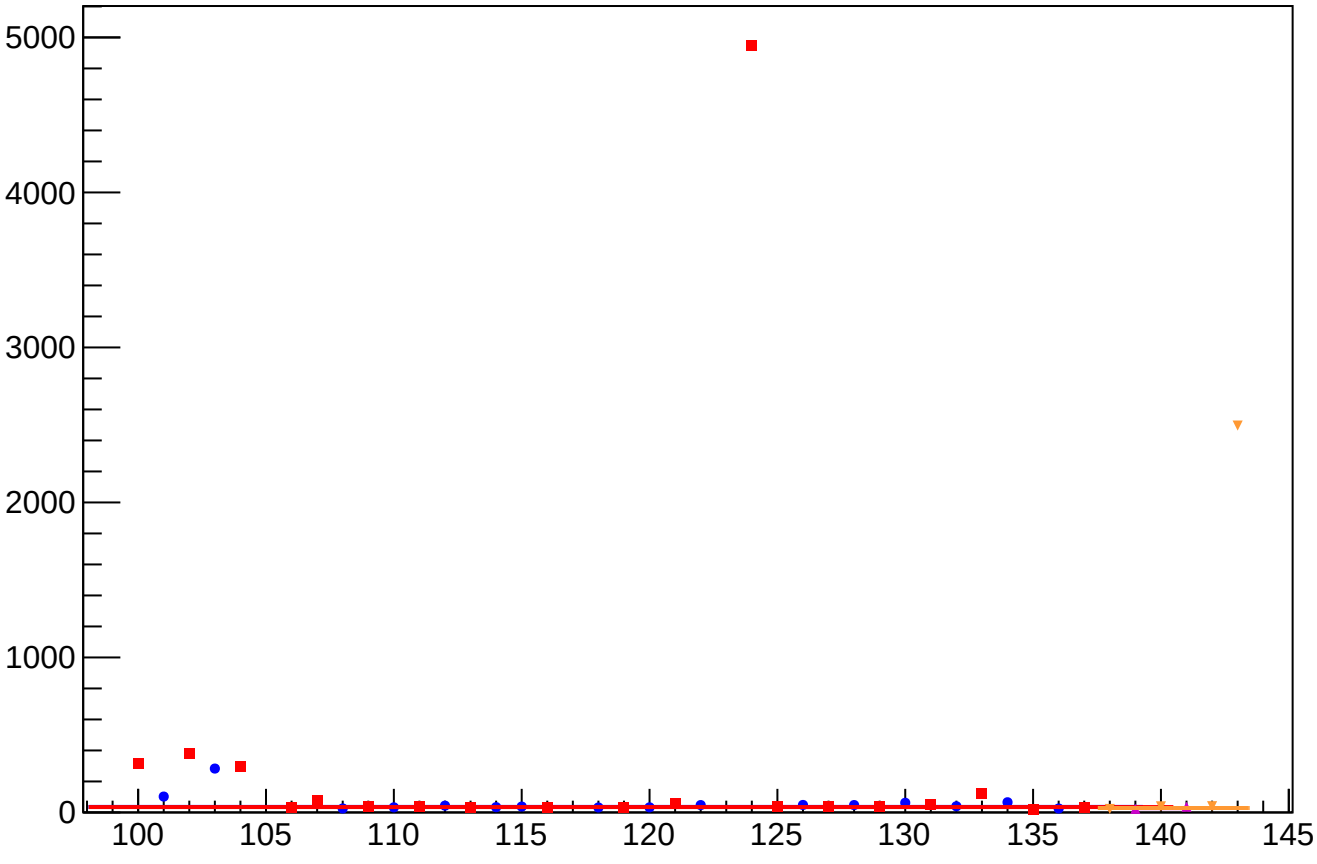
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.013+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.013 χ^2/NDF: 14.7/19

All: 0.012+/-0.009 χ^2/NDF: 31.2/40

- sign 0.013+/-0.013 χ^2/NDF: 16.5/20



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867949.2/3

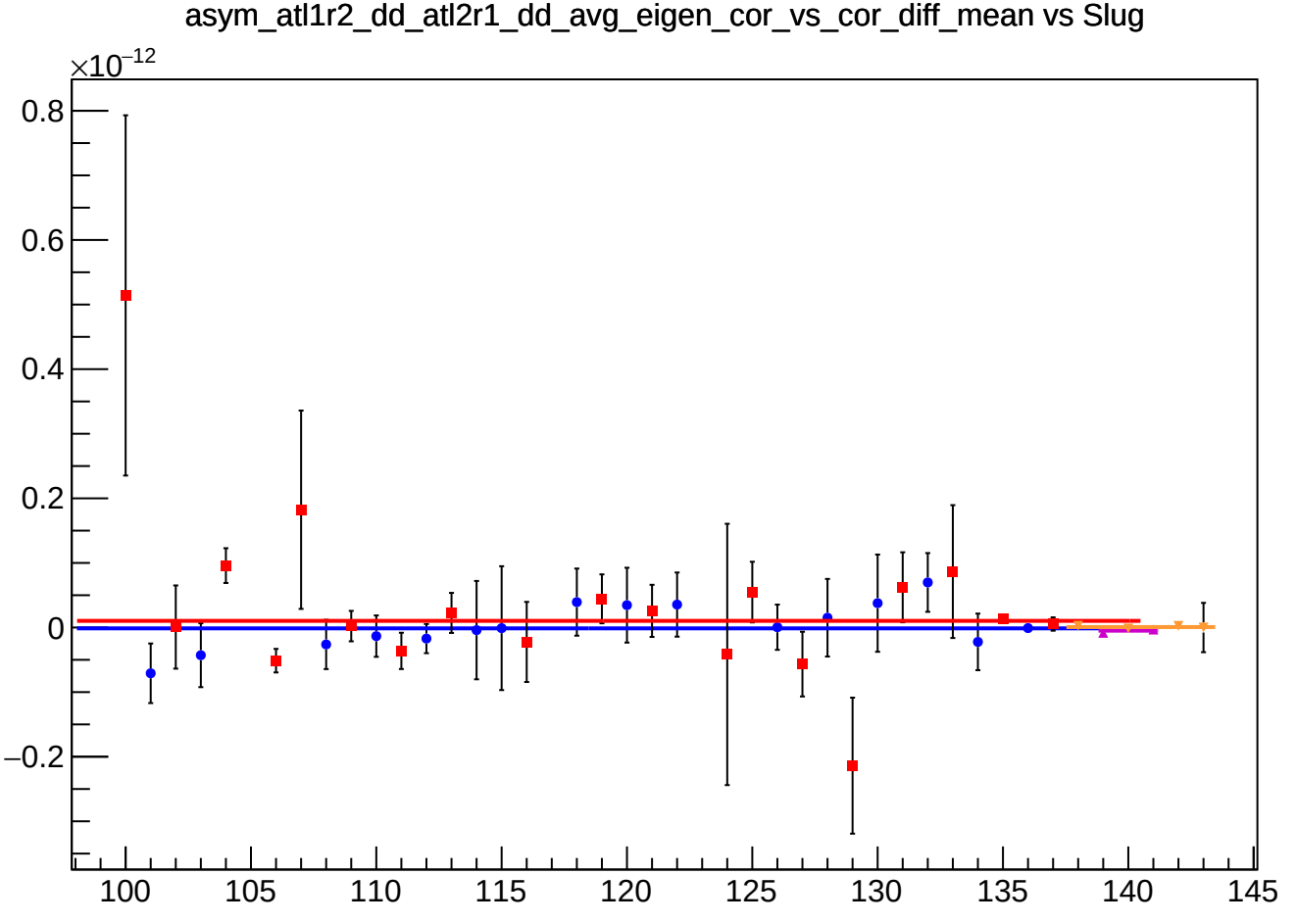
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

+ sign 33.454+/-0.009 χ^2/NDF: 4267173.7/19

All: 33.111+/-0.006 χ^2/NDF: 7439216.9/40

- sign 32.744+/-0.009 χ^2/NDF: 3169017.0/20



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

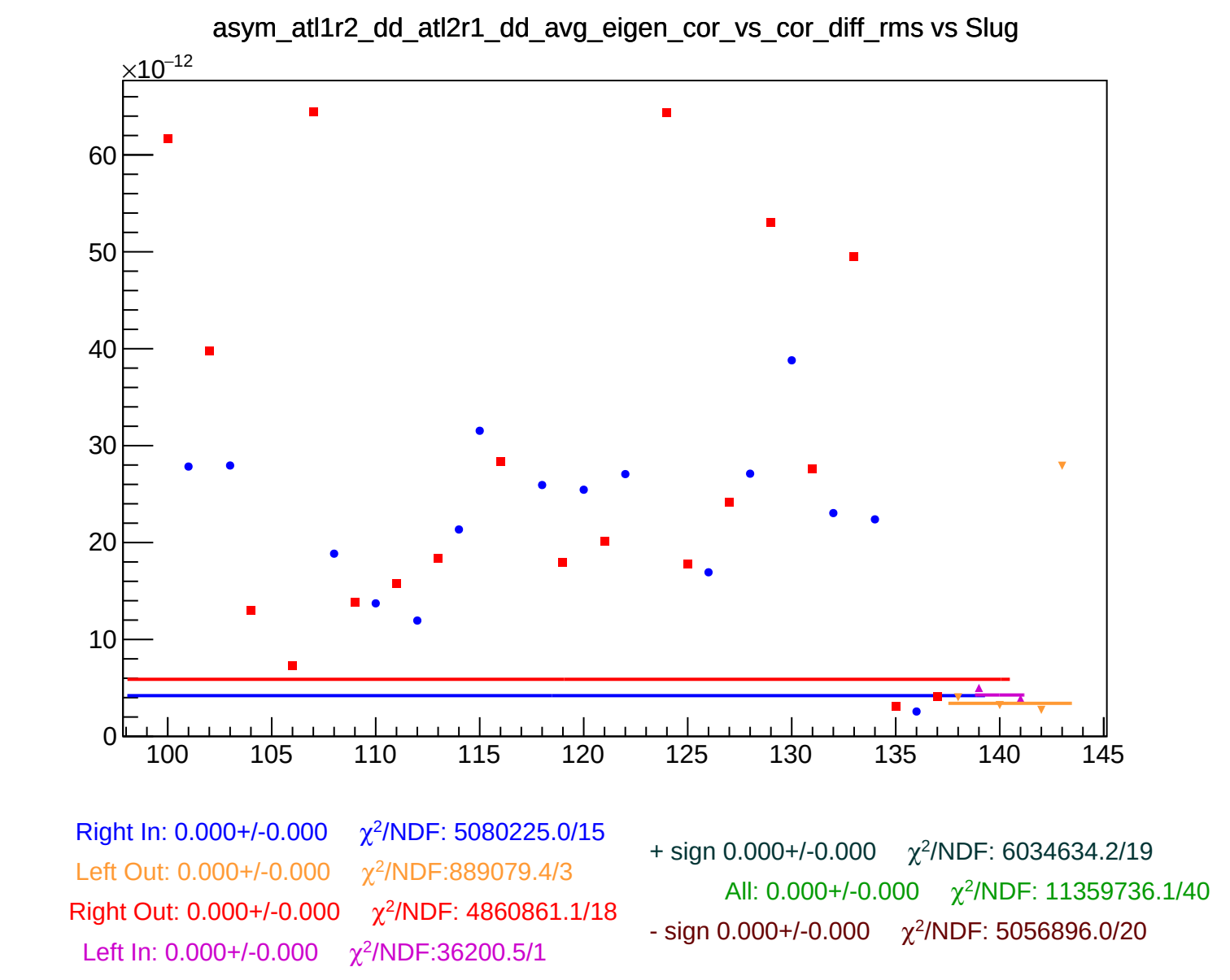
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

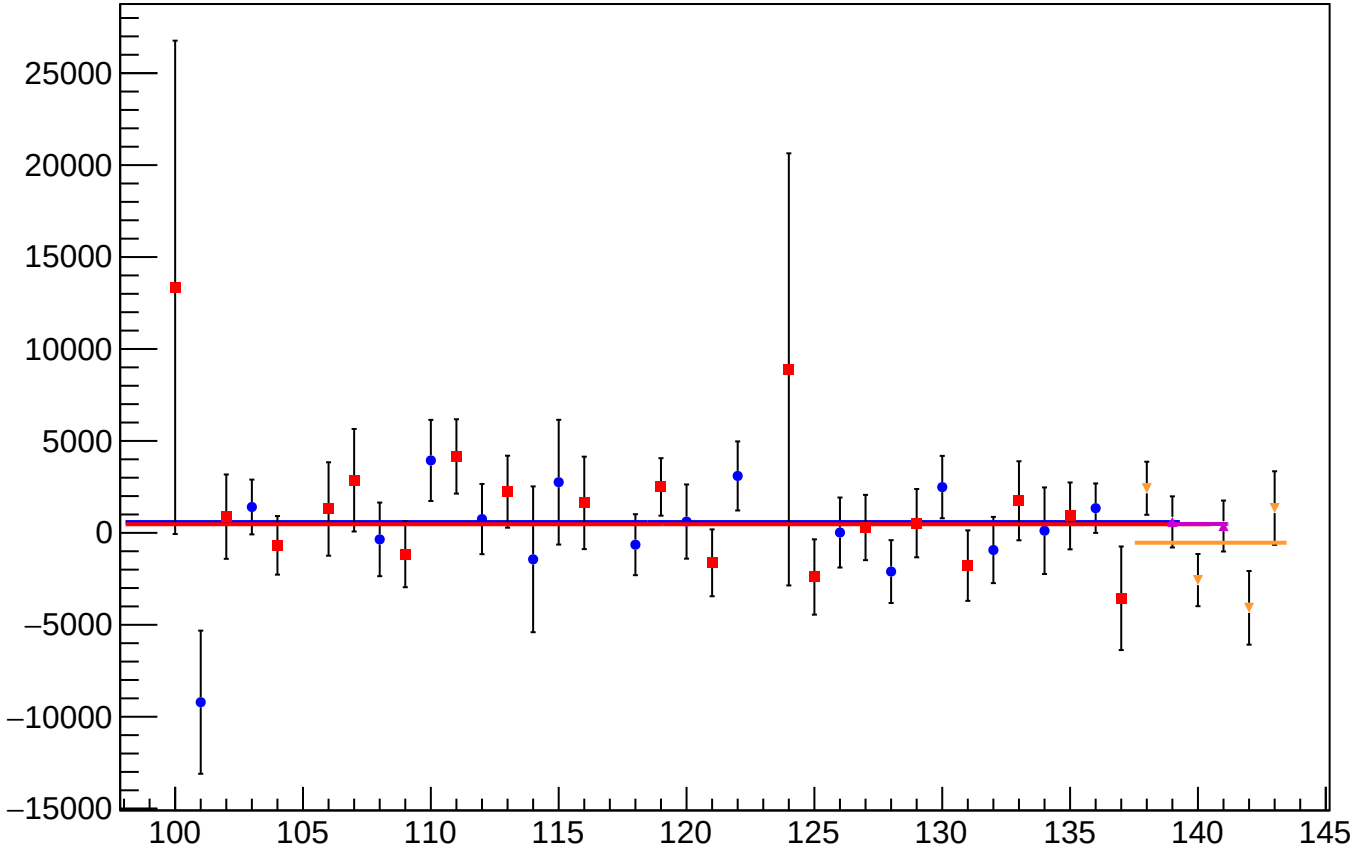
+ sign -0.000+/-0.000 χ^2/NDF: 9.4/19

All: 0.000+/-0.000 χ^2/NDF: 57.1/40

- sign 0.000+/-0.000 χ^2/NDF: 47.3/20


asym_atl1r2_dd_atl2r1_dd_avg_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: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889079.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:36200.5/1
+ sign 0.000+/-0.000 χ²/NDF: 6034634.2/19
All: 0.000+/-0.000 χ²/NDF: 11359736.1/40
- sign 0.000+/-0.000 χ²/NDF: 5056896.0/20

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -535.888+/-823.157 χ^2/NDF:10.3/3

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

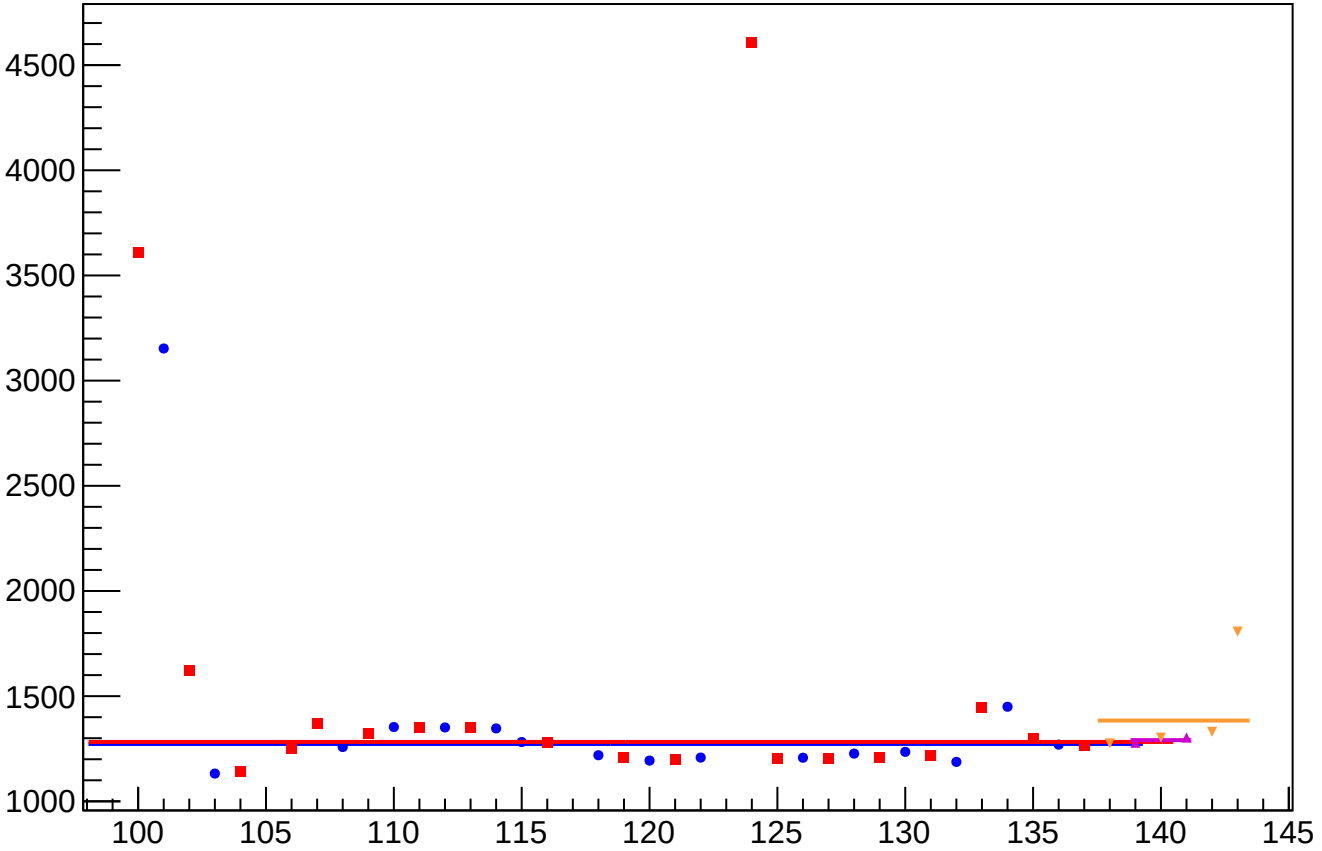
Left In: 483.916+/-981.051 χ^2/NDF:0.0/1

\+ sign 299.865+/-416.218 χ^2/NDF: 28.7/19

All: 382.774+/-299.579 χ^2/NDF: 45.7/40

\- sign 471.896+/-431.533 χ^2/NDF: 16.9/20

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

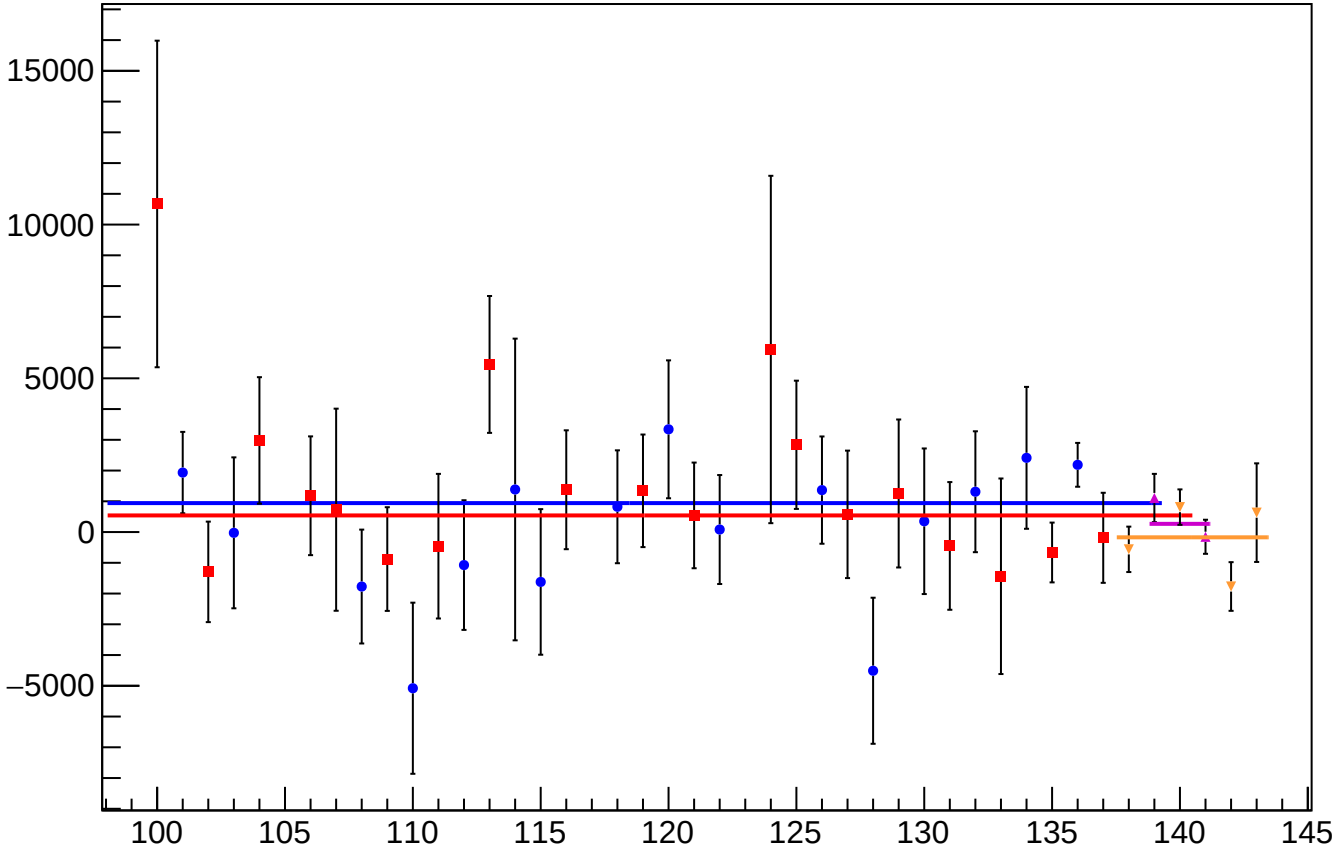
Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

+ sign 1301.230+/-0.294 χ^2/NDF: 655124.4/19

All: 1292.934+/-0.212 χ^2/NDF: 979290.6/40

- sign 1284.017+/-0.305 χ^2/NDF: 322517.6/20

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -171.429+/-382.665 χ^2/NDF:7.5/3

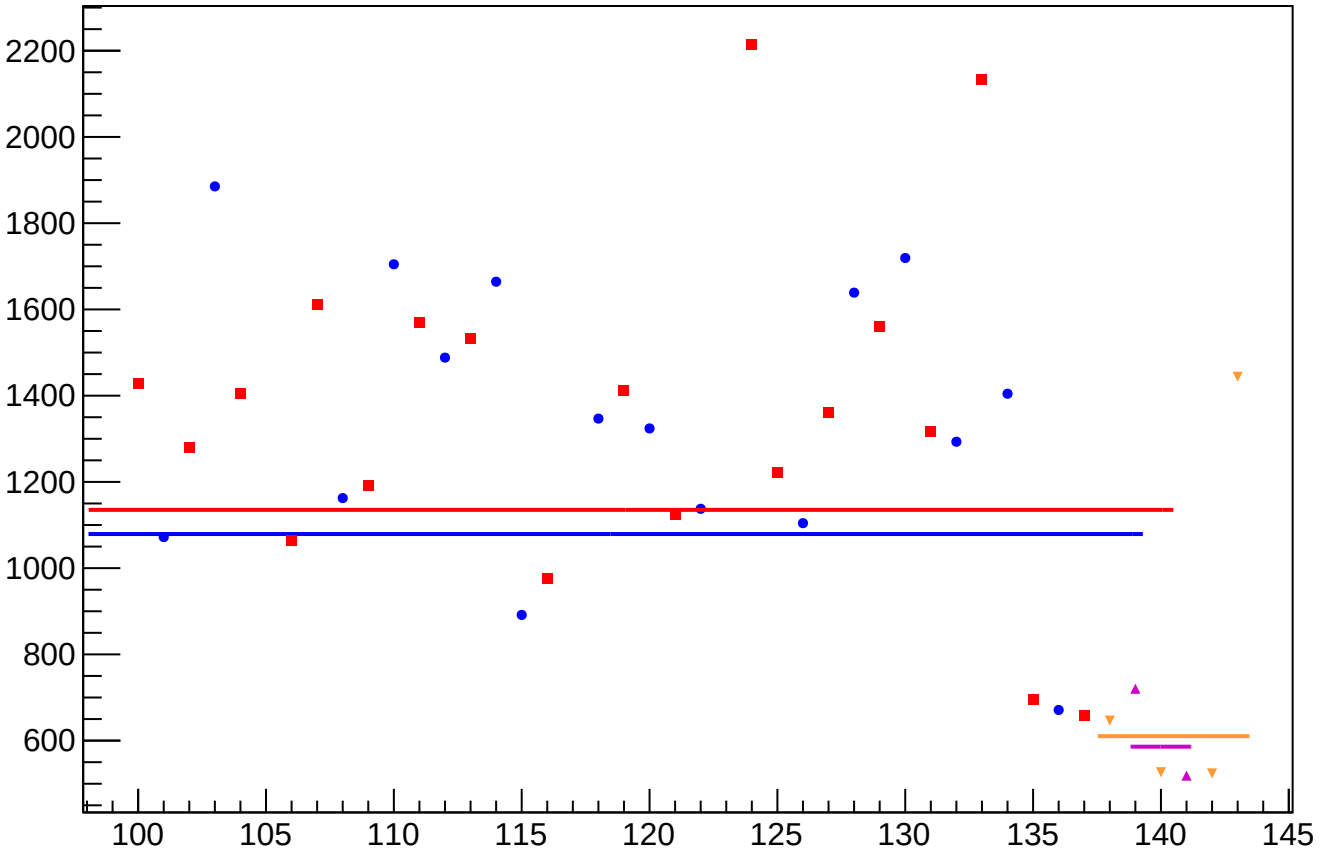
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 266.801+/-452.548 χ^2/NDF:1.7/1

+ sign 325.892+/-284.628 χ^2/NDF: 31.2/19

All: 362.558+/-211.317 χ^2/NDF: 50.3/40

- sign 407.590+/-315.435 χ^2/NDF: 19.1/20



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 610.439+/-0.271 χ^2/NDF:611061.6/3

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

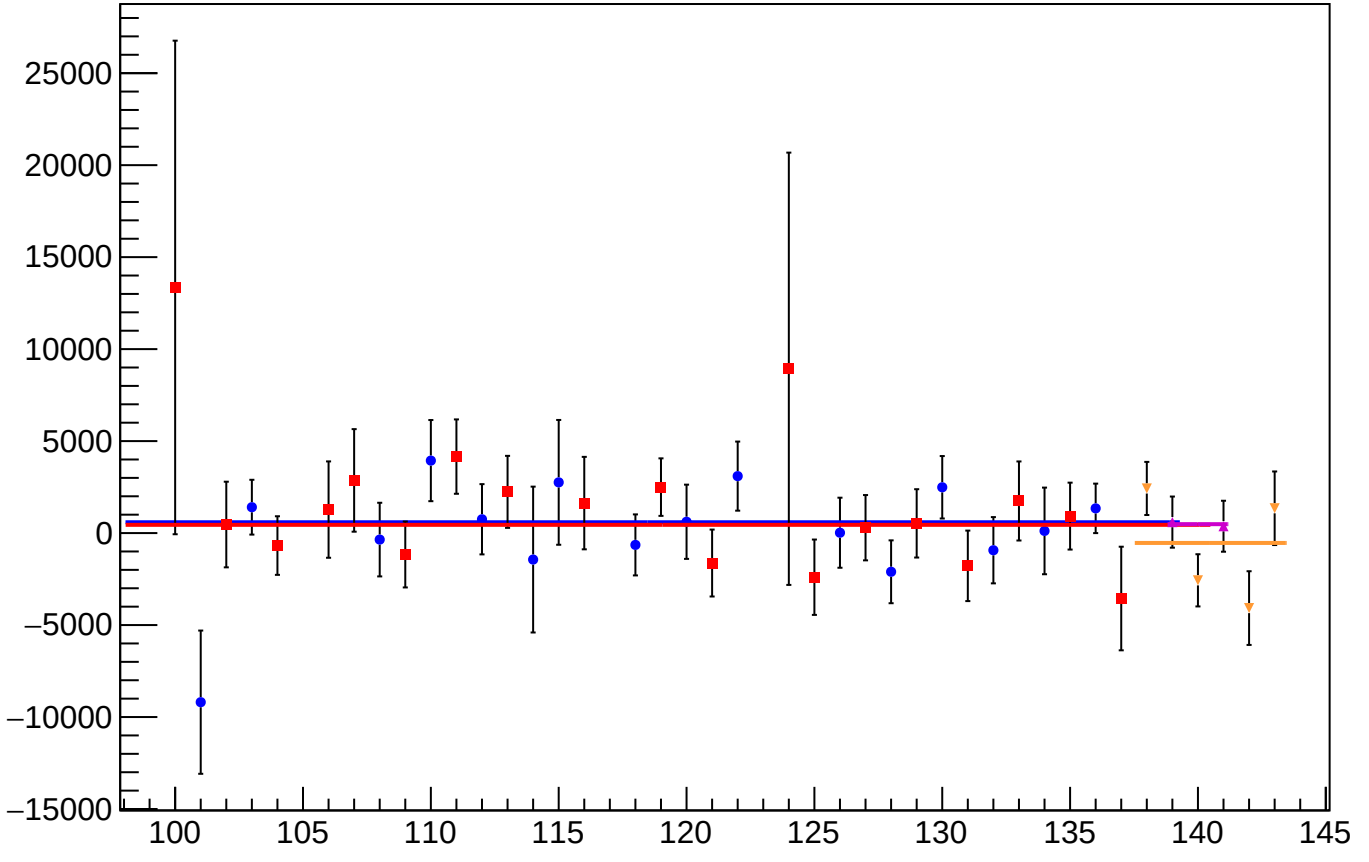
Left In: 585.978+/-0.320 χ^2/NDF:88146.9/1

+ sign 819.824+/-0.201 χ^2/NDF: 3433638.0/19

All: 841.601+/-0.149 χ^2/NDF: 6355336.7/40

- sign 868.348+/-0.223 χ^2/NDF: 2895610.4/20

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

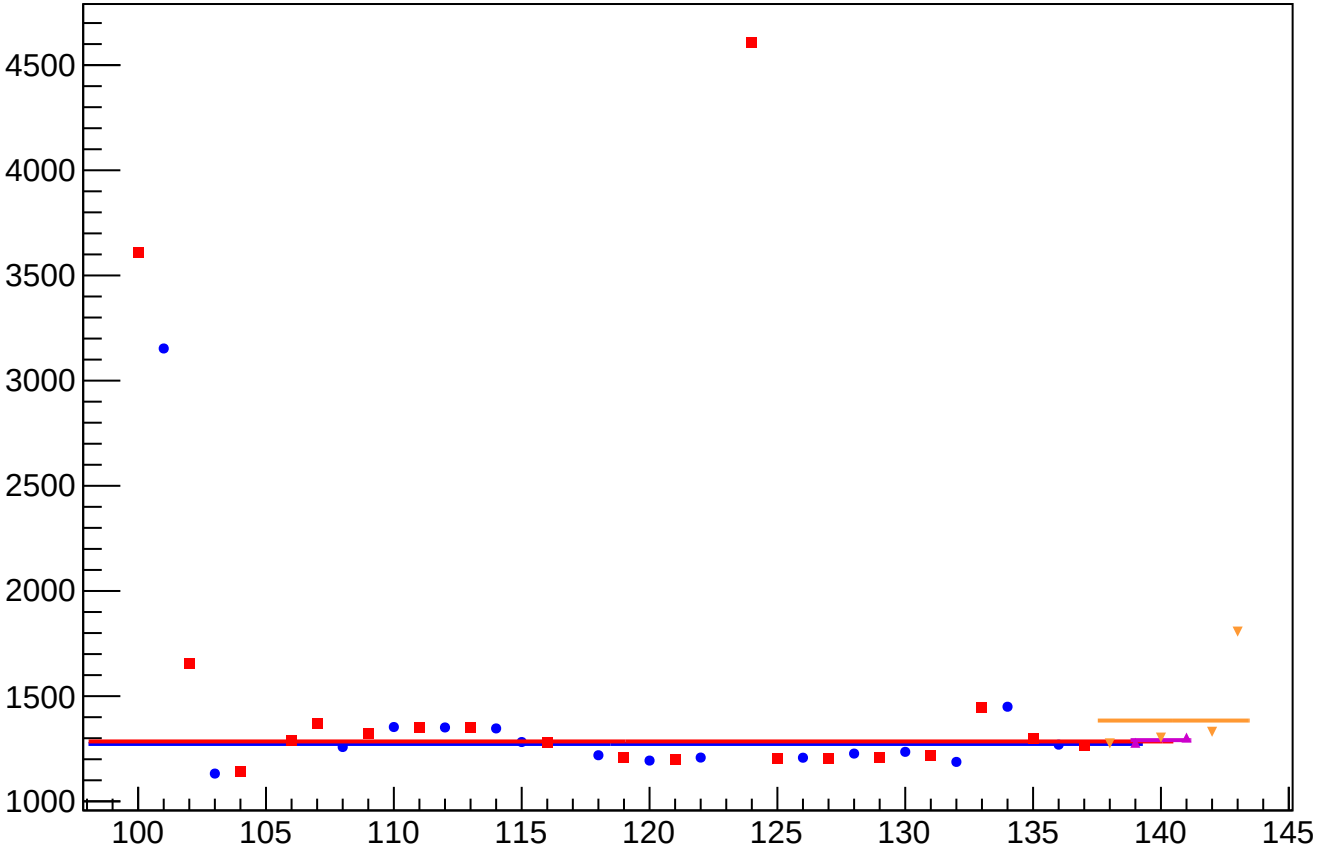
Left In: 483.795+/-981.051 χ^2/NDF:0.0/1

\+ sign 300.059+/-416.218 χ^2/NDF: 28.7/19

All: 374.759+/-299.776 χ^2/NDF: 45.6/40

\- sign 455.277+/-432.125 χ^2/NDF: 16.8/20

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

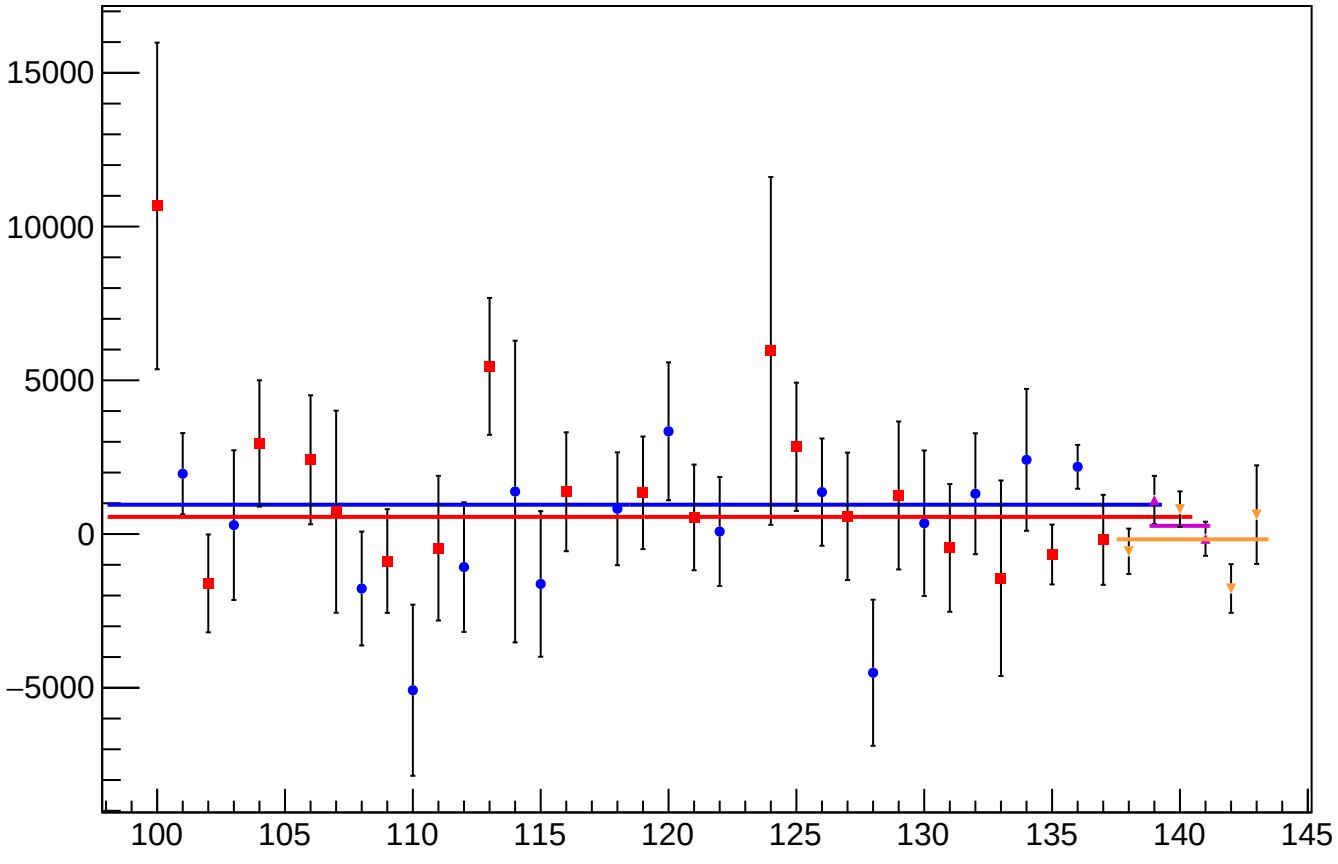
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

+ sign 1301.230+/-0.294 χ^2/NDF: 655126.0/19

All: 1293.836+/-0.212 χ^2/NDF: 985554.5/40

- sign 1285.866+/-0.306 χ^2/NDF: 329117.1/20



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

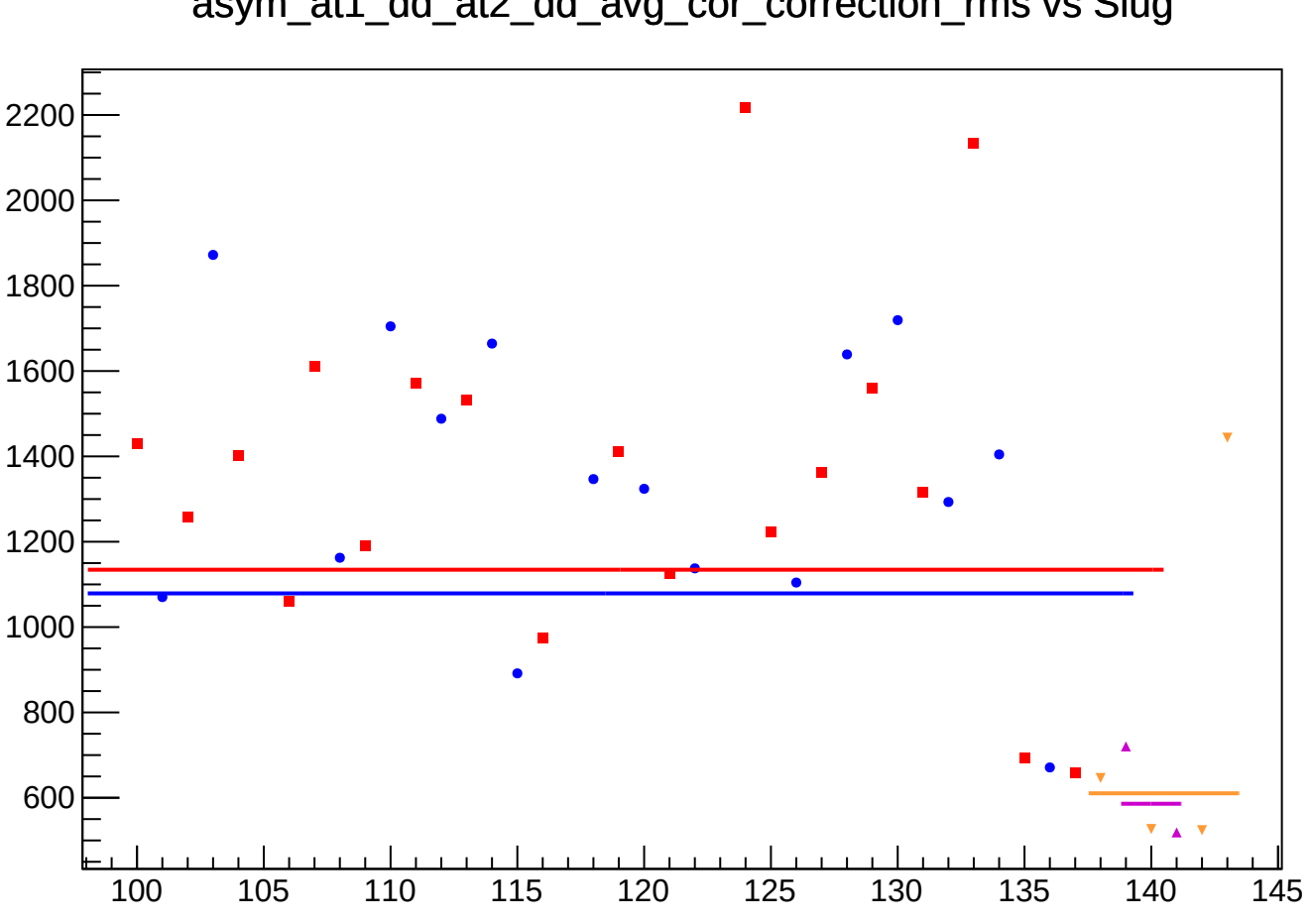
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 266.941+/-452.536 χ^2/NDF:1.7/1

\+ sign 331.697+/-284.580 χ^2/NDF: 31.2/19

All: 369.607+/-211.390 χ^2/NDF: 51.6/40

\- sign 416.274+/-315.745 χ^2/NDF: 20.3/20



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.462+/-0.271 χ^2/NDF:611007.8/3

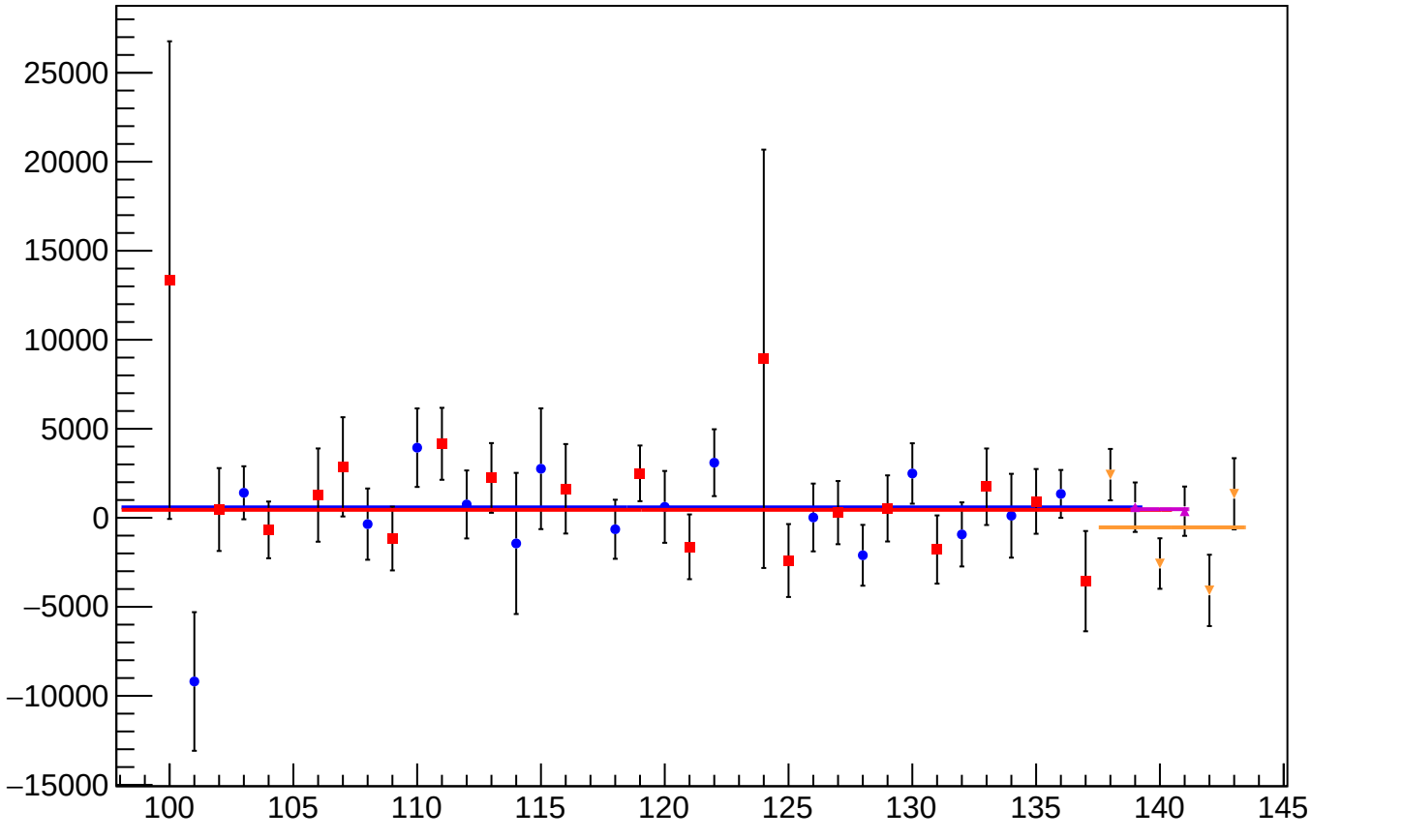
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

\+ sign 819.856+/-0.201 χ^2/NDF: 3429439.2/19

All: 841.178+/-0.149 χ^2/NDF: 6339187.4/40

\- sign 867.424+/-0.223 χ^2/NDF: 2884701.7/20



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

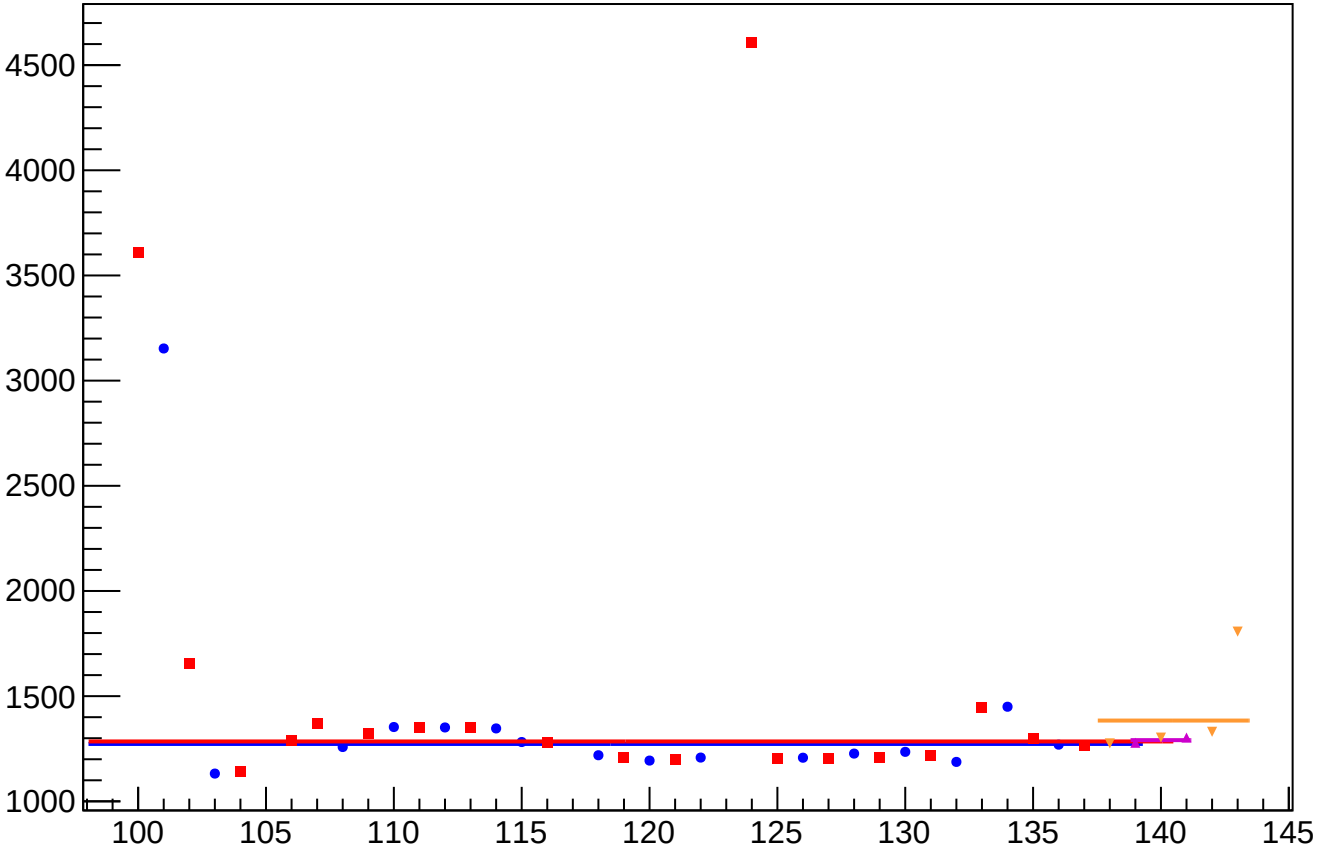
Left In: 483.795+/-981.051 χ^2/NDF:0.0/1

\+ sign 300.059+/-416.218 χ^2/NDF: 28.7/19

All: 374.759+/-299.776 χ^2/NDF: 45.6/40

\- sign 455.277+/-432.125 χ^2/NDF: 16.8/20

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: 1383.986+/-0.582 χ^2/NDF:108668.2/3

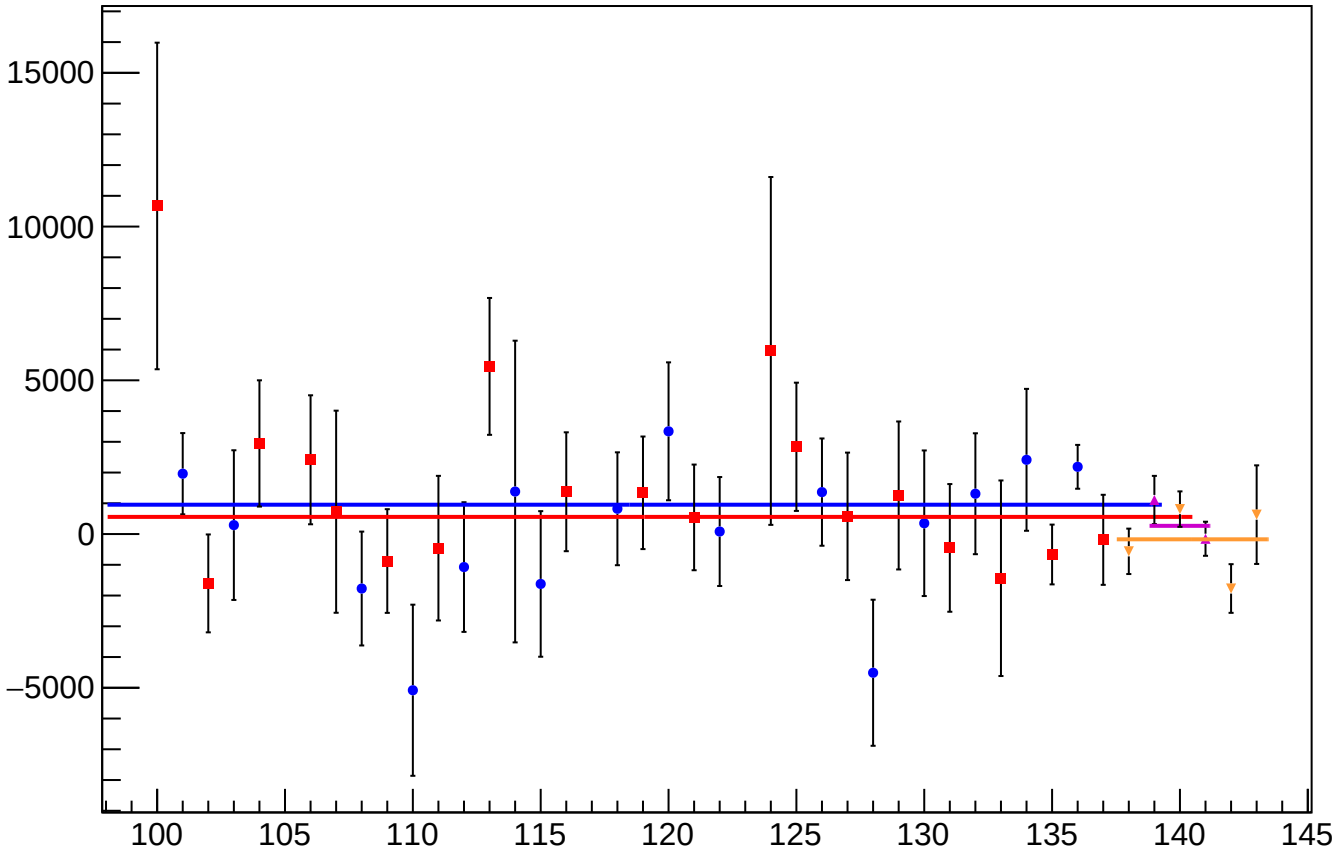
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

+ sign 1301.230+/-0.294 χ^2/NDF: 655126.0/19

All: 1293.836+/-0.212 χ^2/NDF: 985554.5/40

- sign 1285.866+/-0.306 χ^2/NDF: 329117.1/20



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

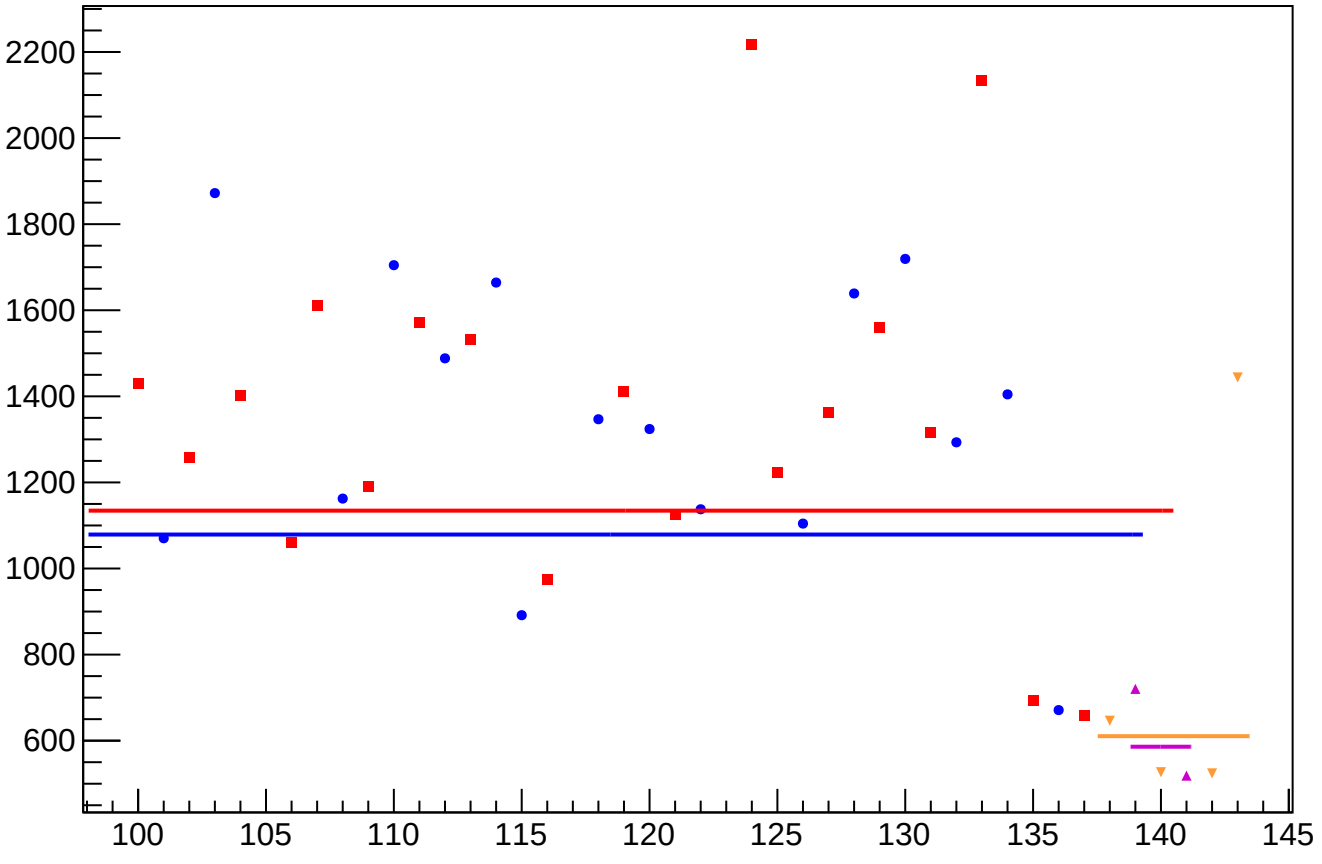
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 266.941+/-452.536 χ^2/NDF:1.7/1

\+ sign 331.697+/-284.580 χ^2/NDF: 31.2/19

All: 369.607+/-211.390 χ^2/NDF: 51.6/40

\- sign 416.274+/-315.745 χ^2/NDF: 20.3/20



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

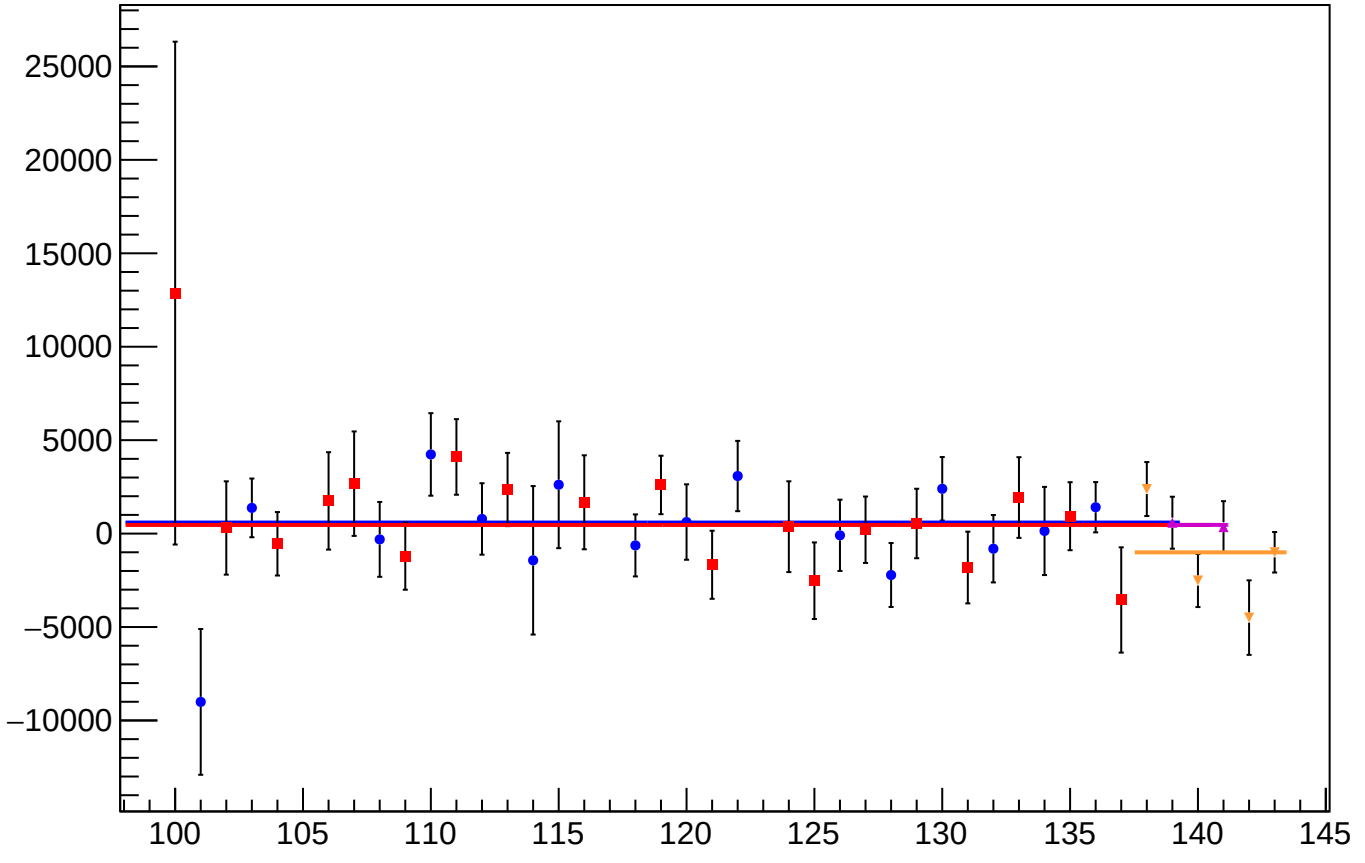
Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

\+ sign 819.856+/-0.201 χ^2/NDF: 3429439.2/19

All: 841.178+/-0.149 χ^2/NDF: 6339187.4/40

\- sign 867.424+/-0.223 χ^2/NDF: 2884701.7/20

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

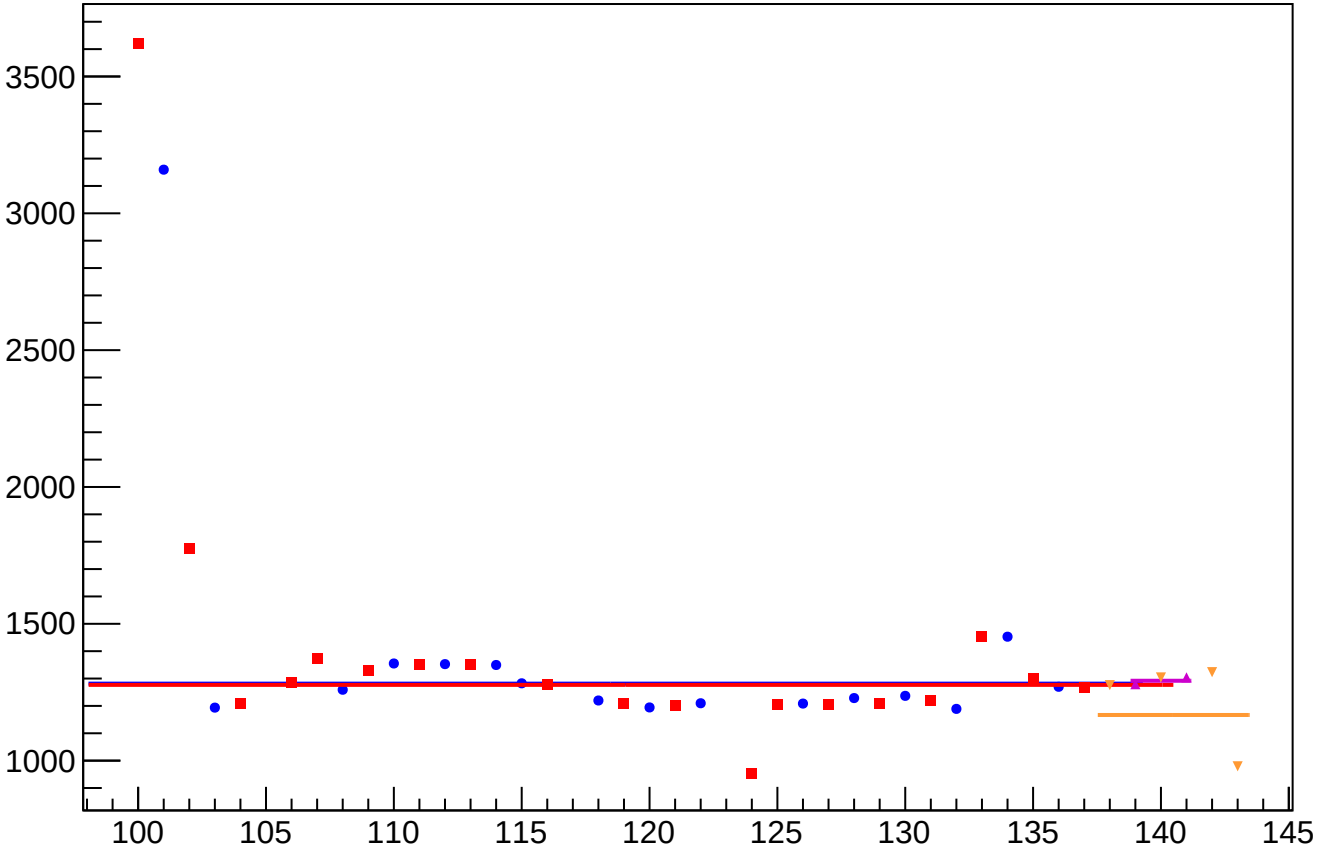
Left In: 465.013+/-981.815 χ^2/NDF:0.0/1

+ sign 66.646+/-397.757 χ^2/NDF: 30.3/19

All: 249.944+/-291.644 χ^2/NDF: 47.5/40

- sign 463.065+/-428.896 χ^2/NDF: 16.7/20

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.8/3

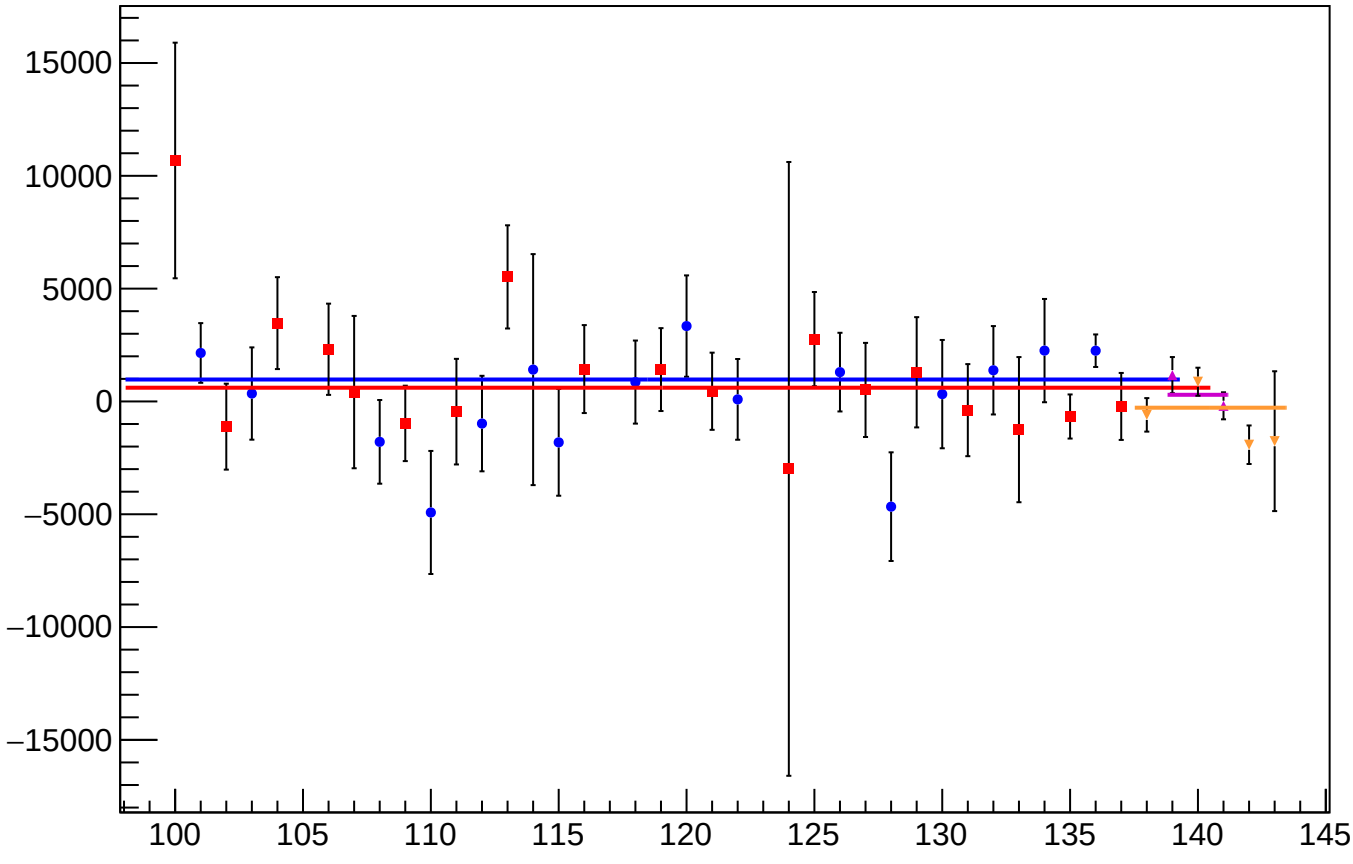
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1291.897+/-0.694 χ^2/NDF:329.8/1

\+ sign 1243.722+/-0.281 χ^2/NDF: 645961.1/19

All: 1260.371+/-0.206 χ^2/NDF: 874762.9/40

\- sign 1279.730+/-0.303 χ^2/NDF: 221223.0/20



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -277.522+/-412.482 χ^2/NDF:7.5/3

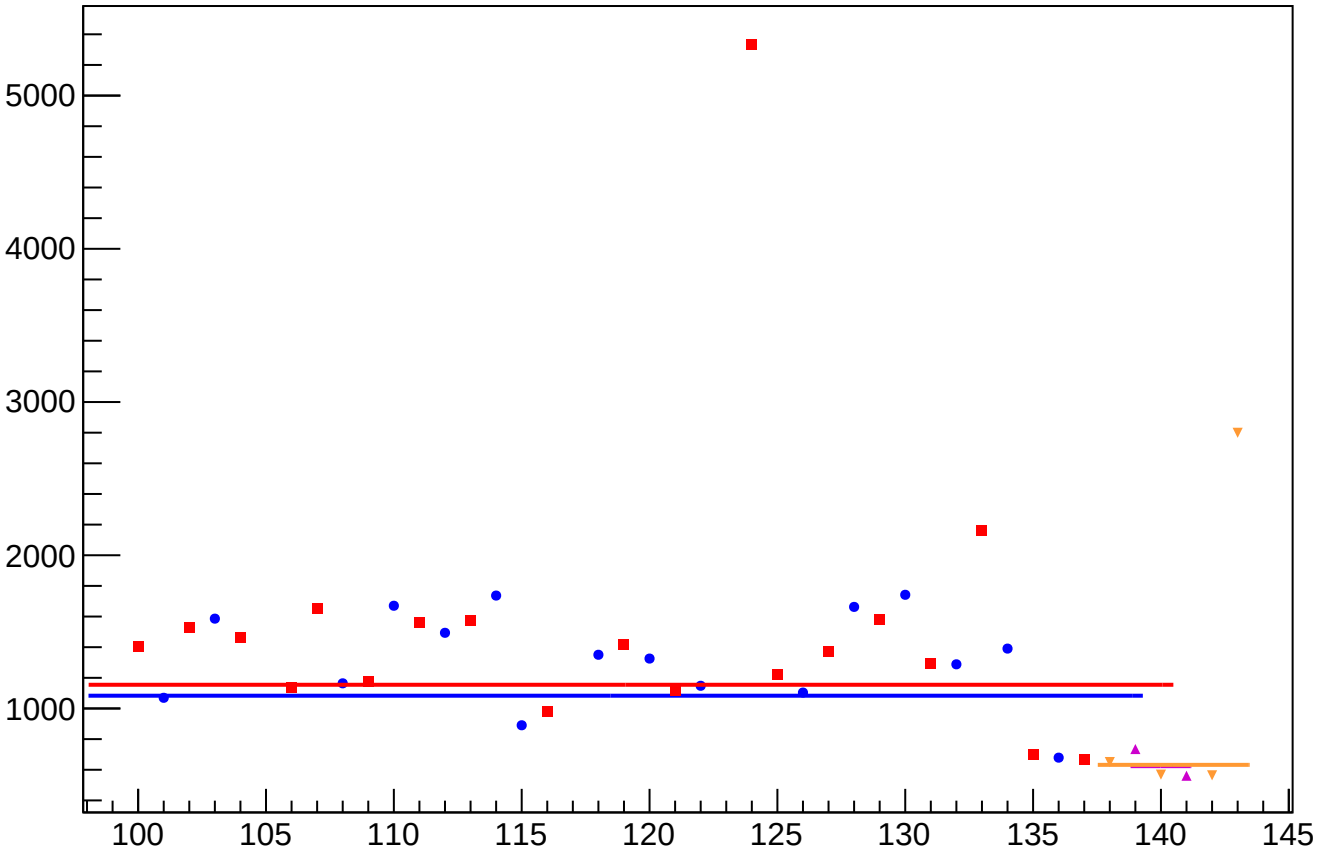
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 294.204+/-479.501 χ^2/NDF:1.9/1

\+ sign 328.385+/-296.069 χ^2/NDF: 32.4/19

All: 388.557+/-219.551 χ^2/NDF: 51.7/40

\- sign 462.070+/-327.250 χ^2/NDF: 19.2/20



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 632.036+/-0.292 χ^2/NDF:1013266.7/3

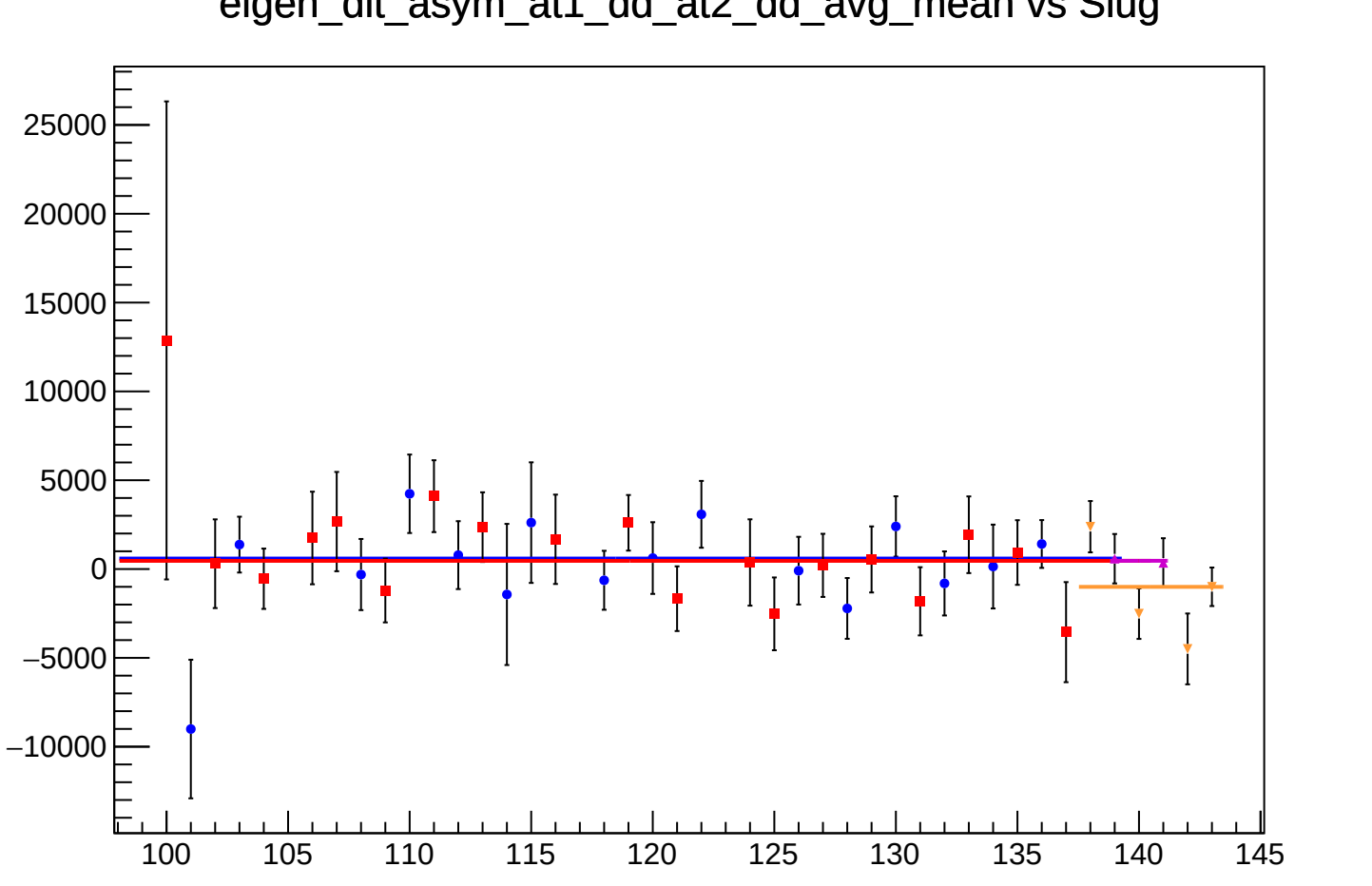
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 623.559+/-0.339 χ^2/NDF:60772.0/1

\+ sign 850.825+/-0.209 χ^2/NDF: 3534093.9/19

All: 876.253+/-0.155 χ^2/NDF: 6427029.6/40

\- sign 907.318+/-0.231 χ^2/NDF: 2860161.1/20



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

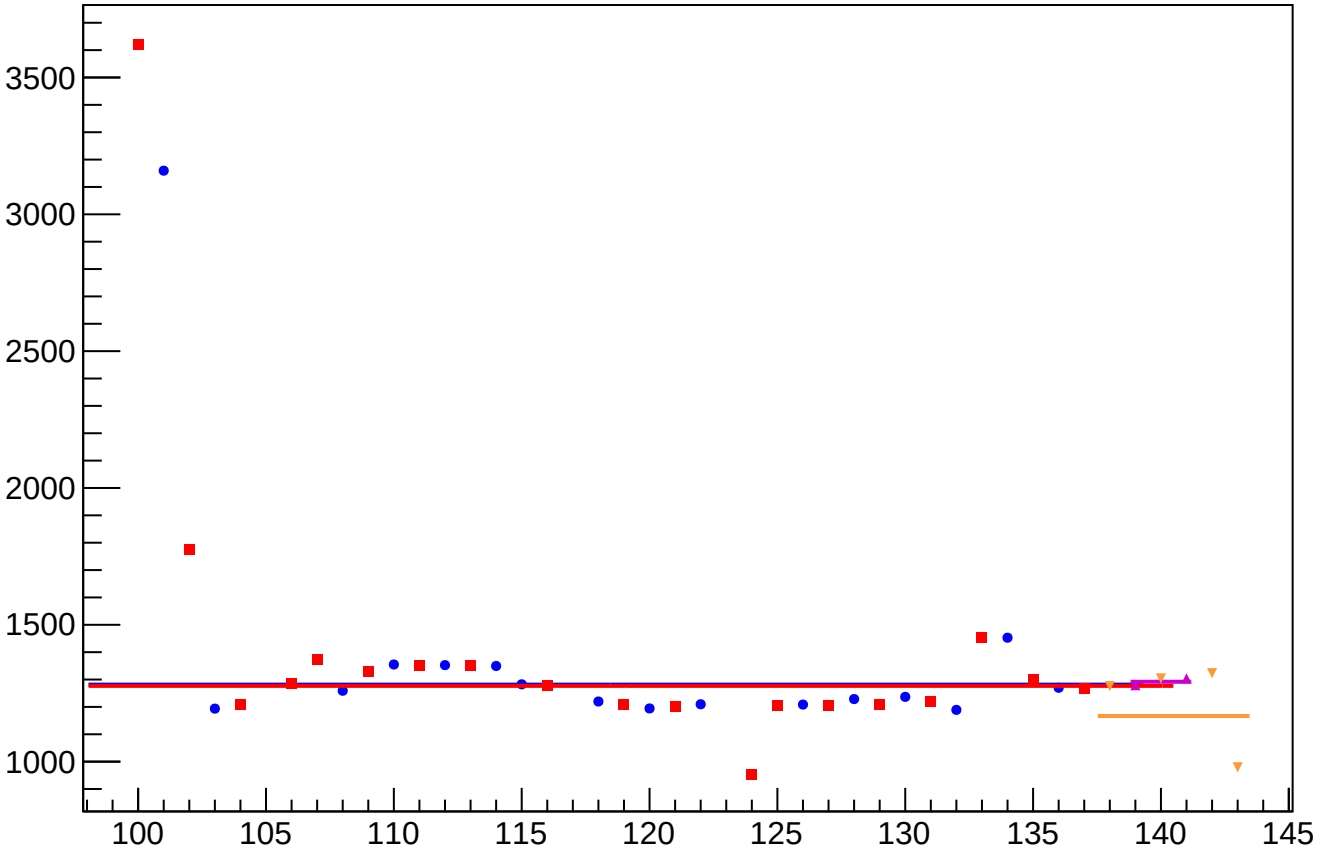
Left In: 465.021+/-981.815 χ^2/NDF:0.0/1

+ sign 66.647+/-397.757 χ^2/NDF: 30.3/19

All: 249.945+/-291.644 χ^2/NDF: 47.5/40

- sign 463.066+/-428.896 χ^2/NDF: 16.7/20

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: 1166.851+/-0.491 χ^2/NDF:102298.3/3

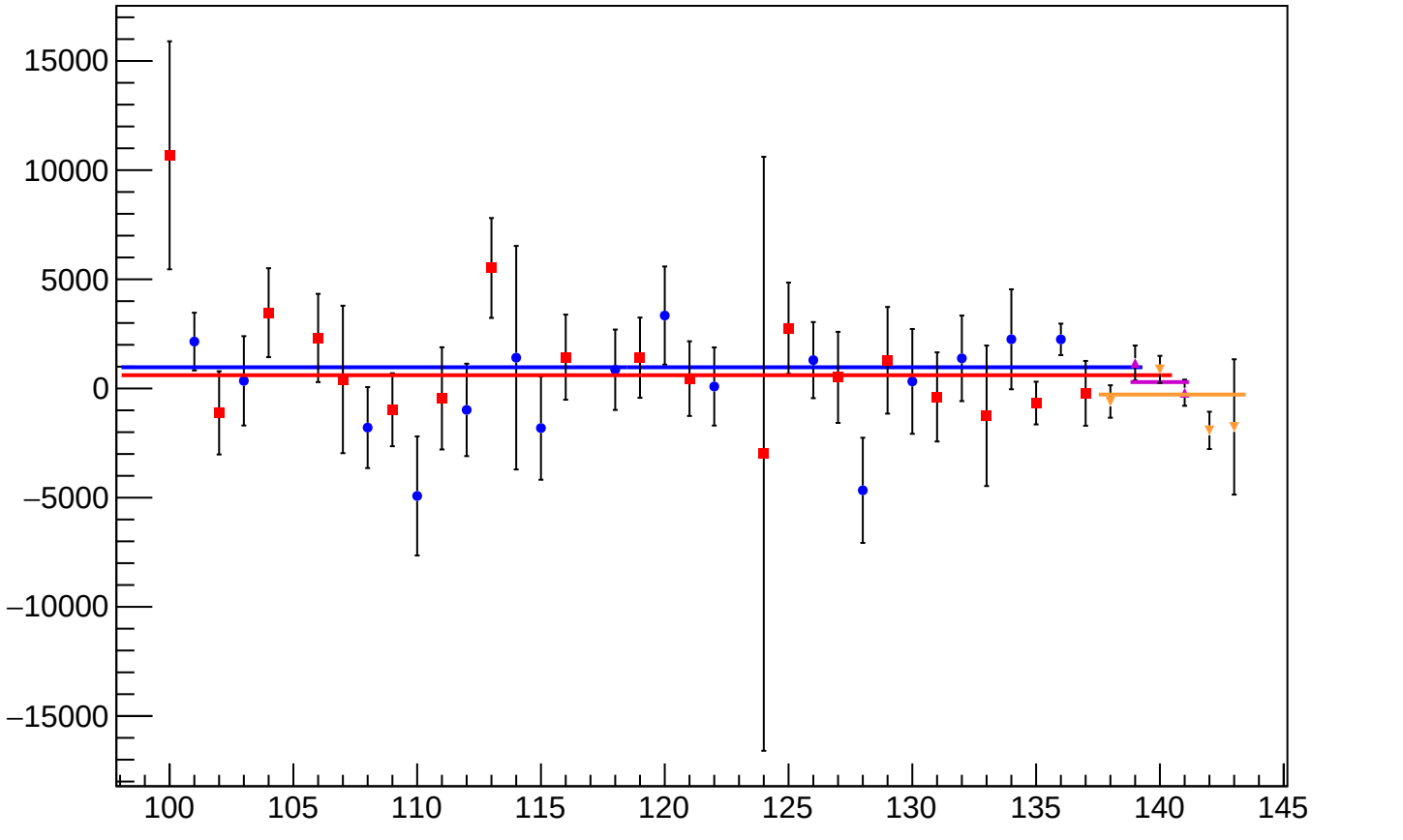
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1291.898+/-0.694 χ^2/NDF:329.8/1

+ sign 1243.722+/-0.281 χ^2/NDF: 645960.4/19

All: 1260.371+/-0.206 χ^2/NDF: 874762.0/40

- sign 1279.730+/-0.303 χ^2/NDF: 221222.9/20



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -277.526+/-412.486 χ^2/NDF:7.5/3

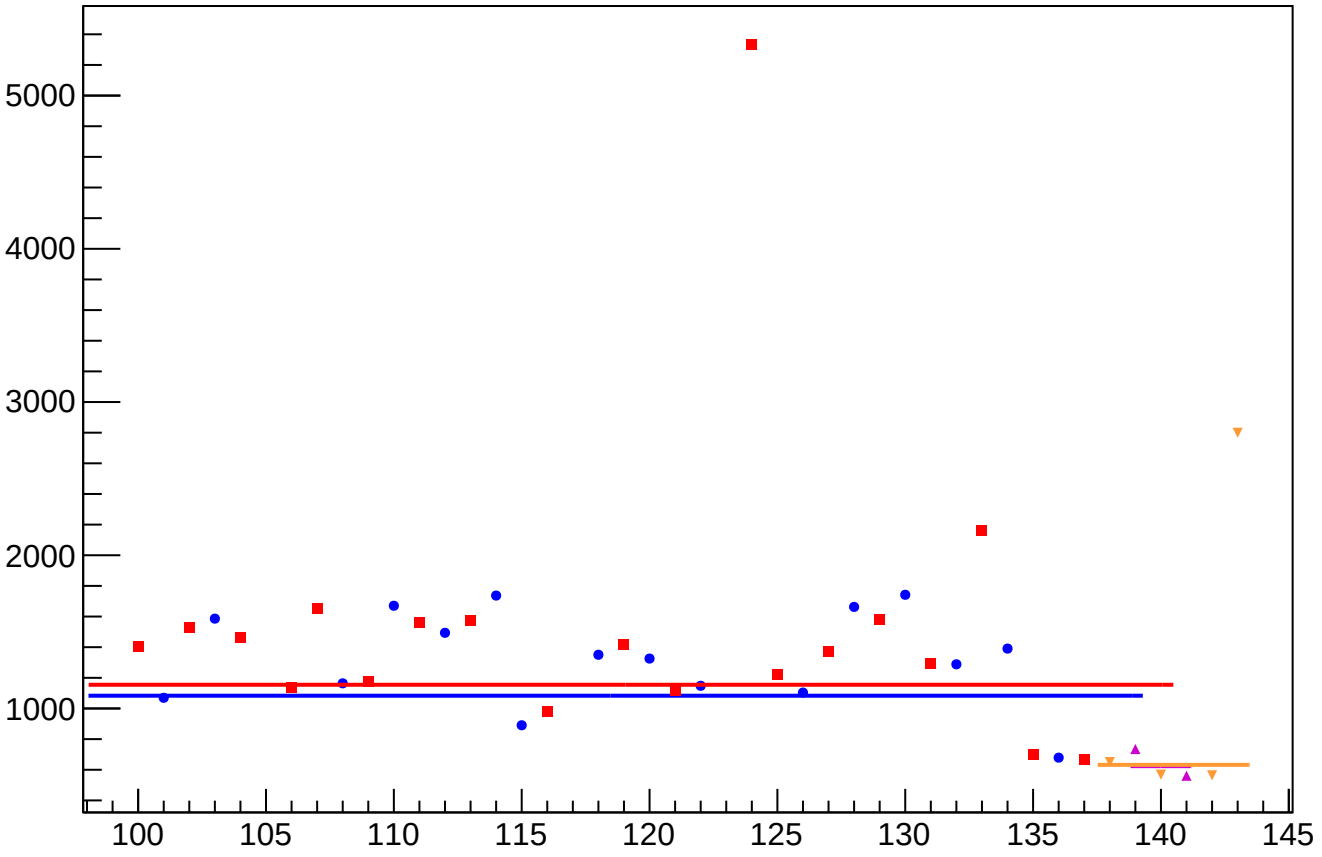
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 294.202+/-479.505 χ^2/NDF:1.9/1

\+ sign 328.383+/-296.071 χ^2/NDF: 32.4/19

All: 388.558+/-219.552 χ^2/NDF: 51.7/40

\- sign 462.075+/-327.252 χ^2/NDF: 19.2/20



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 632.041+/-0.292 χ^2/NDF:1013265.5/3

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

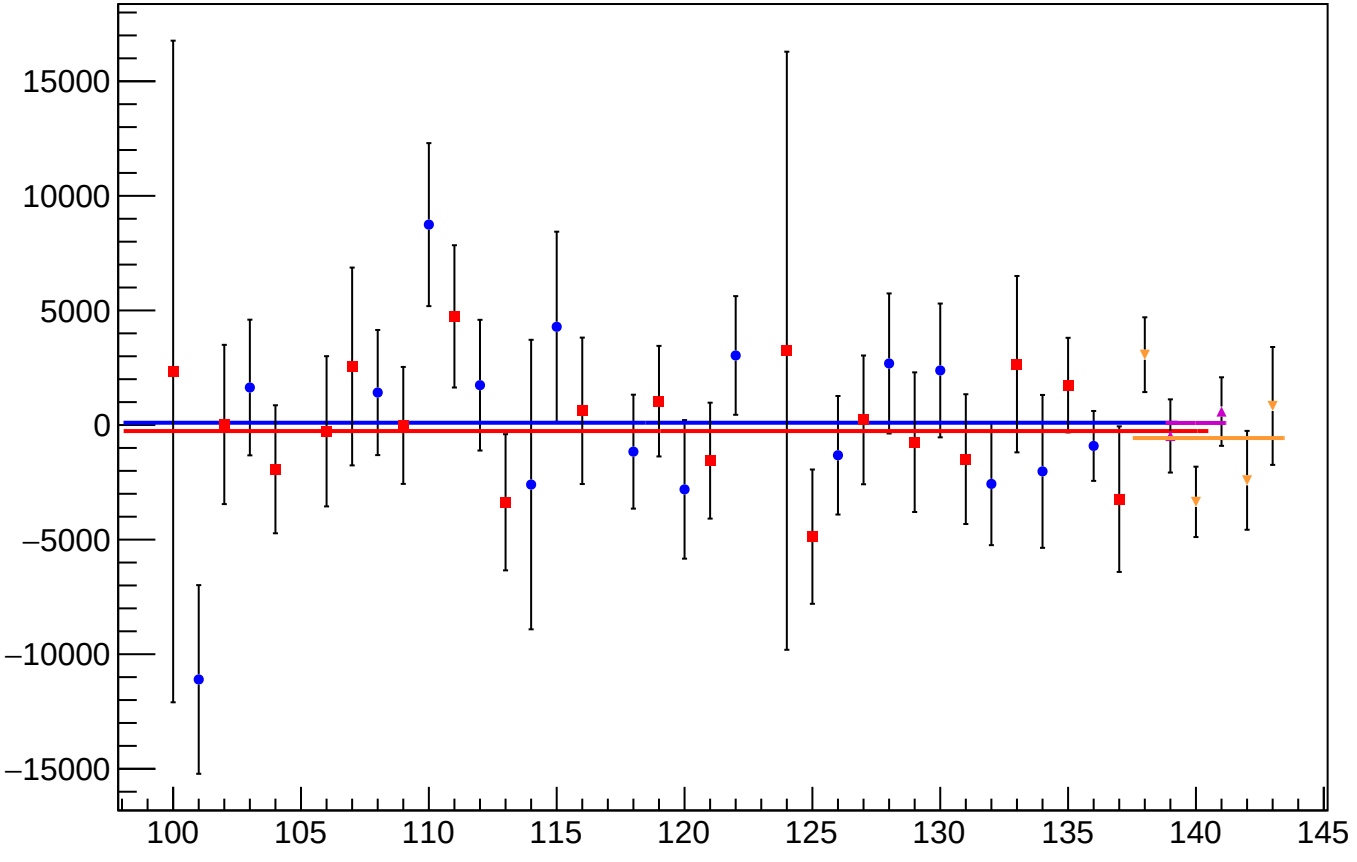
Left In: 623.564+/-0.339 χ^2/NDF:60777.2/1

+ sign 850.832+/-0.209 χ^2/NDF: 3534025.9/19

All: 876.260+/-0.155 χ^2/NDF: 6426907.6/40

- sign 907.325+/-0.231 χ^2/NDF: 2860107.2/20

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -567.595+/-926.083 χ^2/NDF:9.3/3

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

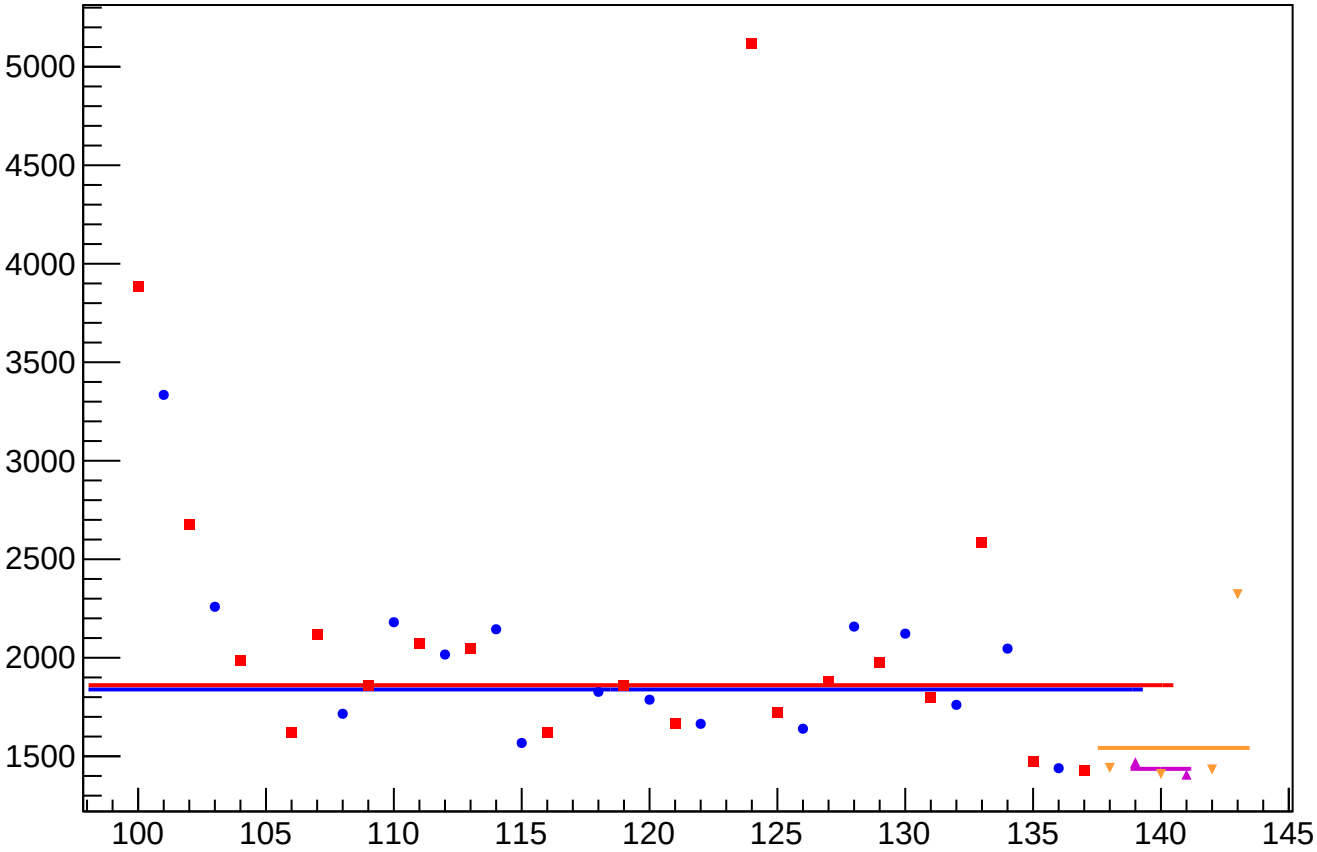
Left In: 90.169+/-1091.699 χ^2/NDF:0.2/1

+ sign -142.002+/-557.906 χ^2/NDF: 30.9/19

All: -150.497+/-405.079 χ^2/NDF: 41.6/40

- sign -159.970+/-589.104 χ^2/NDF: 10.6/20

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1542.343+/-0.655 χ^2/NDF:211774.6/3

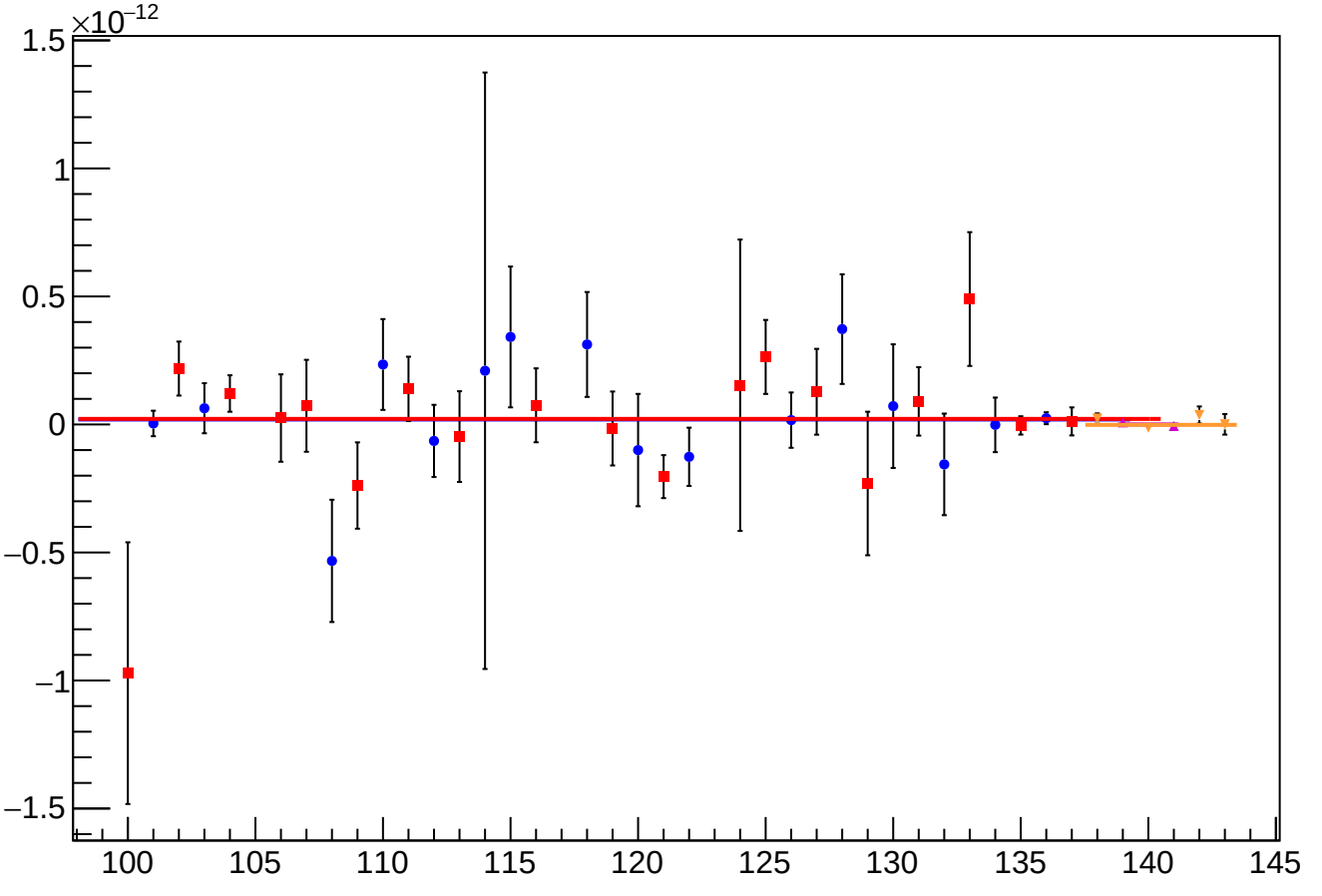
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1436.114+/-0.772 χ^2/NDF:1630.3/1

+ sign 1731.407+/-0.394 χ^2/NDF: 899345.9/19

All: 1734.101+/-0.286 χ^2/NDF: 1637674.1/40

- sign 1737.105+/-0.417 χ^2/NDF: 738229.7/20



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

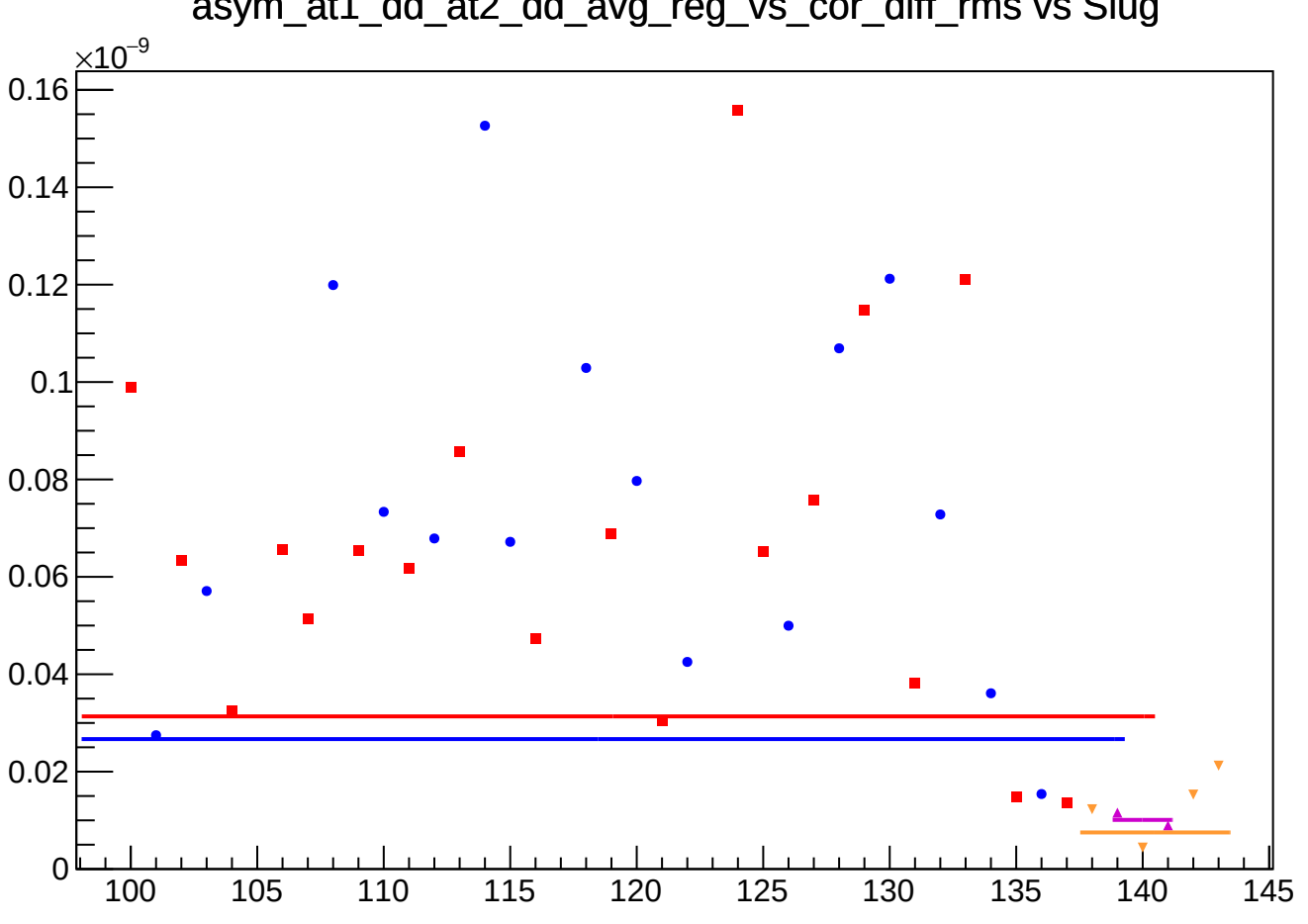
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.4/19

All: 0.000+/-0.000 χ^2/NDF: 50.7/40

- sign 0.000+/-0.000 χ^2/NDF: 29.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:623688.3/3

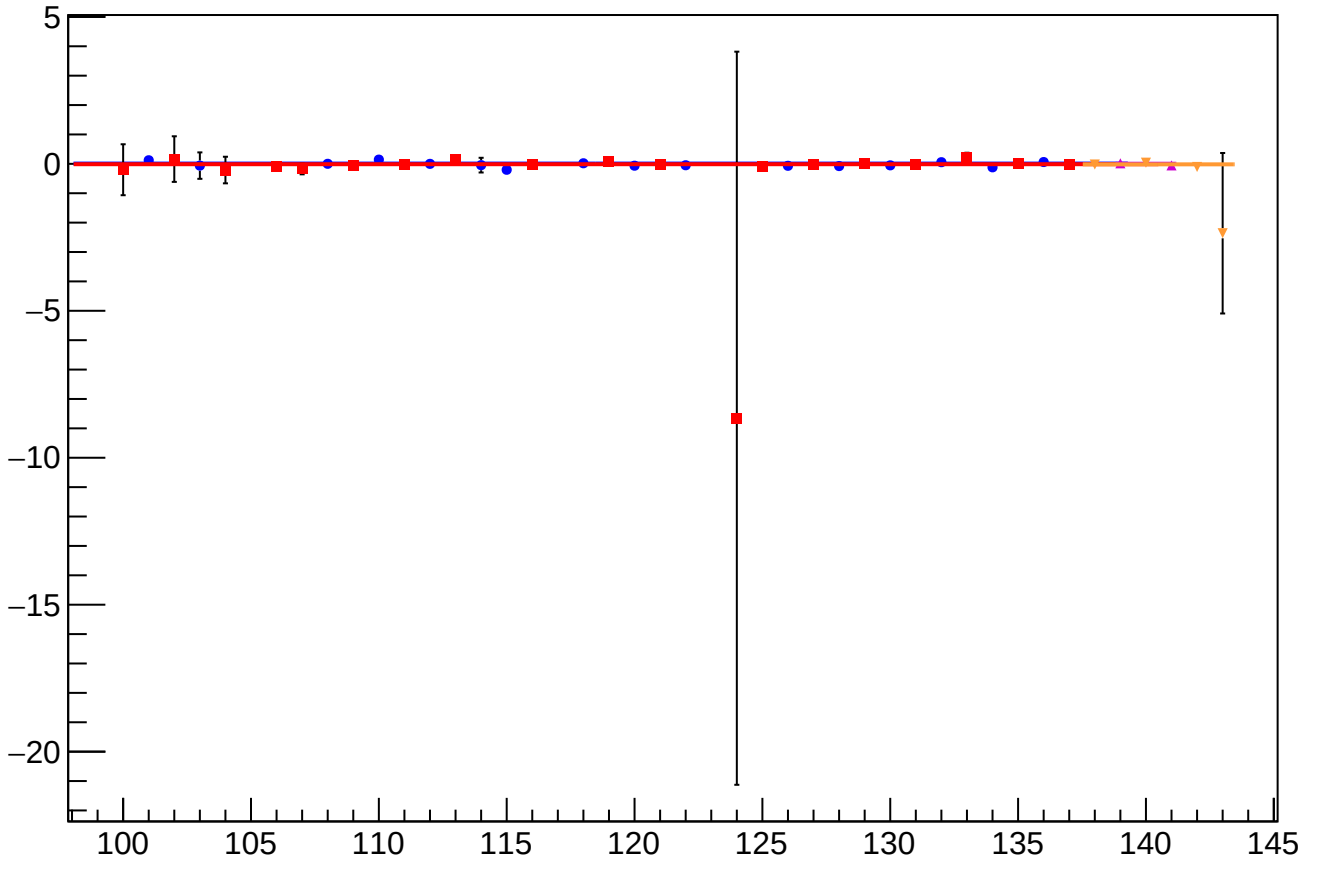
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:22407.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 4904998.7/19

All: 0.000+/-0.000 χ^2/NDF: 8778054.2/40

- sign 0.000+/-0.000 χ^2/NDF: 3688551.0/20



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.017+/-0.024 χ^2/NDF:3.0/3

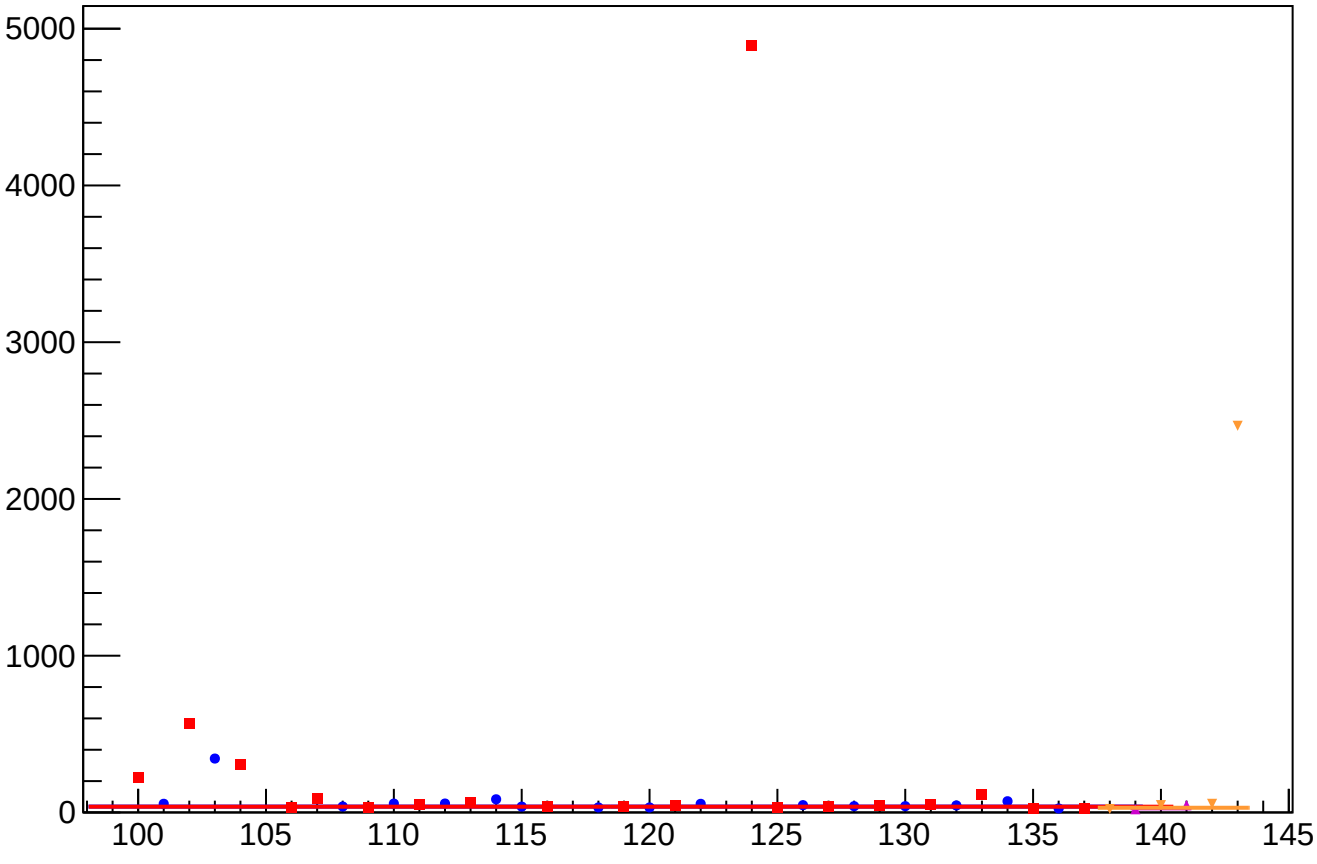
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.024 χ^2/NDF:1.4/1

+ sign 0.001+/-0.013 χ^2/NDF: 23.0/19

All: -0.003+/-0.010 χ^2/NDF: 37.5/40

- sign -0.007+/-0.014 χ^2/NDF: 14.3/20



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 29.972+/-0.017 χ^2/NDF:2124121.6/3

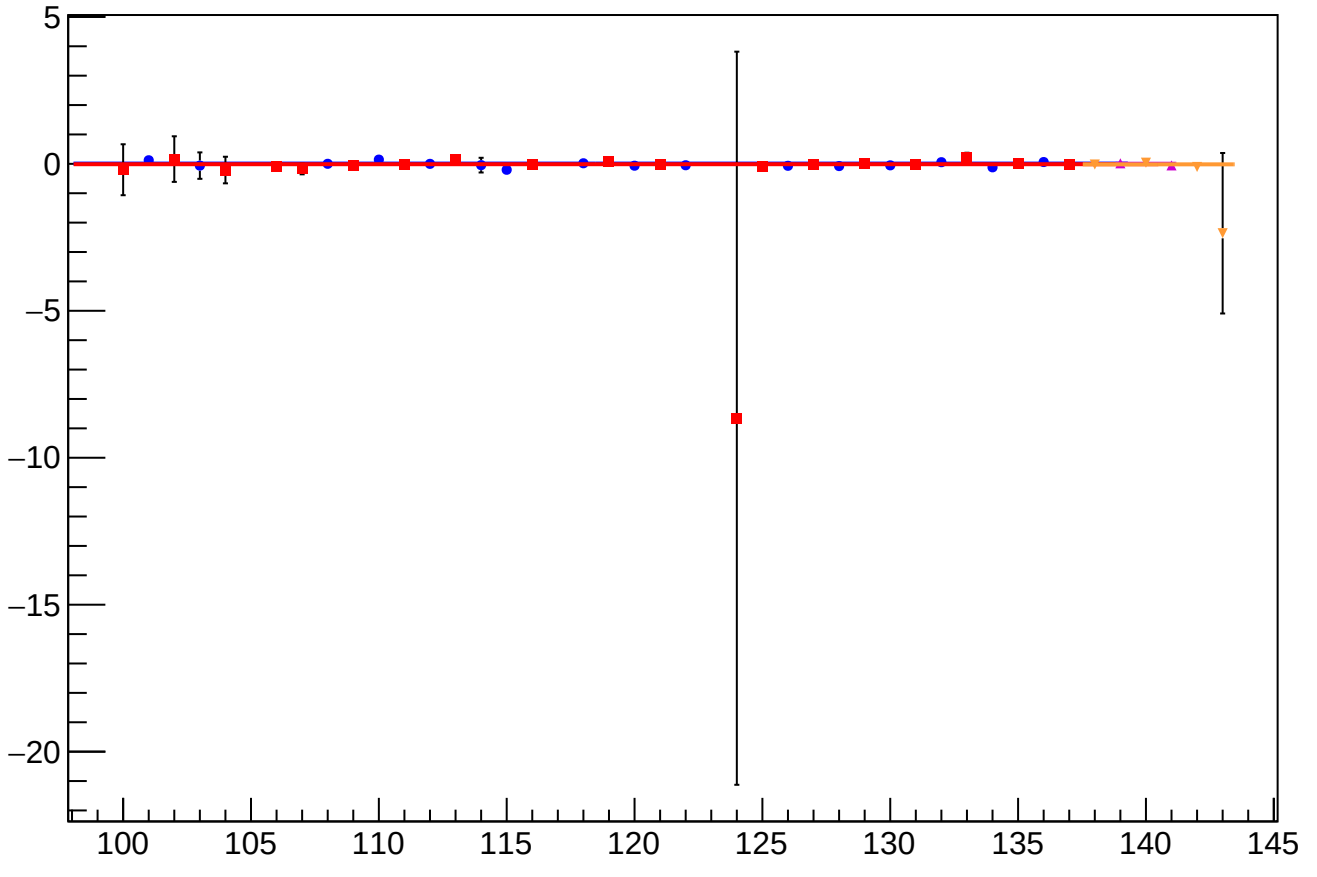
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

+ sign 35.190+/-0.009 χ^2/NDF: 4241511.8/19

All: 34.295+/-0.007 χ^2/NDF: 8130378.4/40

- sign 33.359+/-0.010 χ^2/NDF: 3870597.1/20



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.017+/-0.024 χ^2/NDF:3.0/3

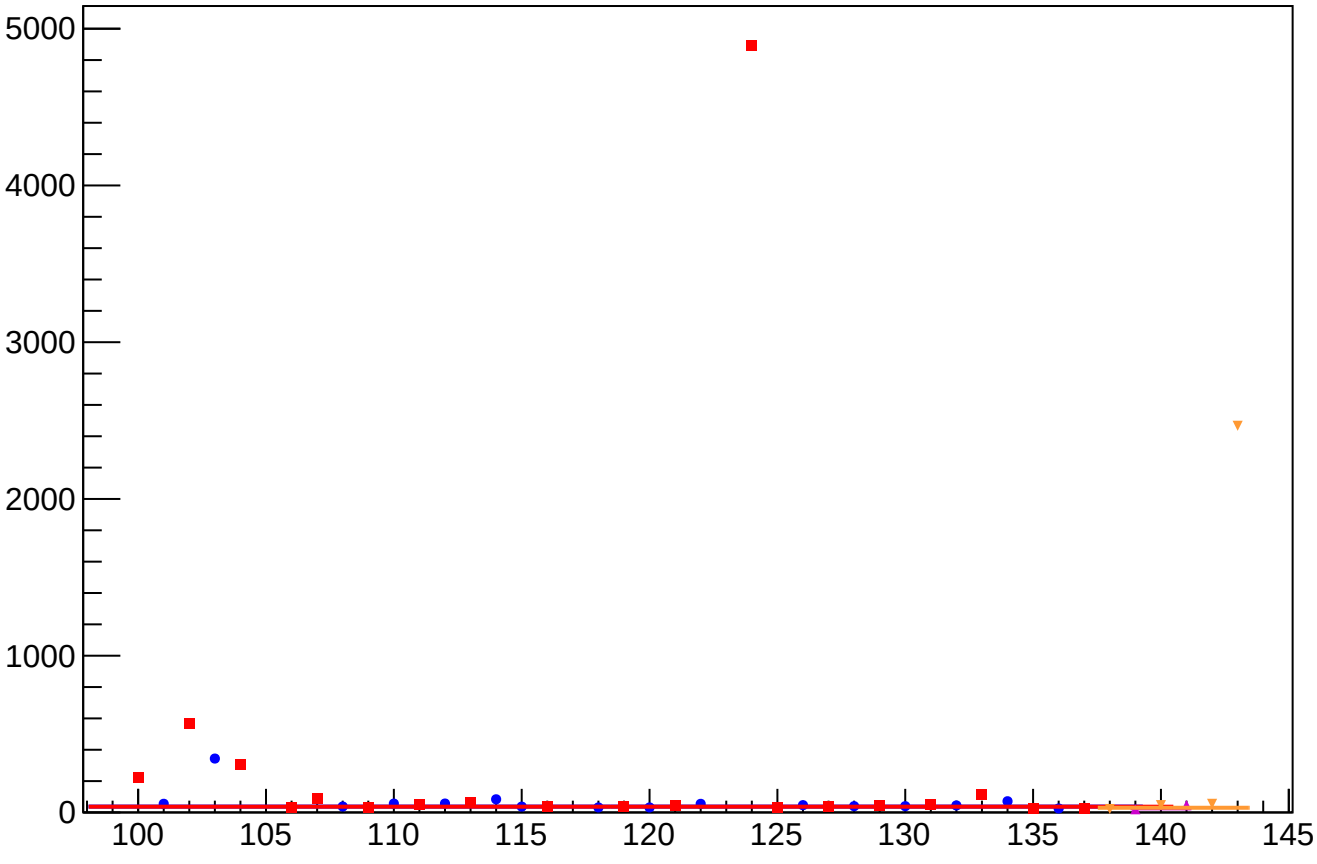
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.024 χ^2/NDF:1.4/1

+ sign 0.001+/-0.013 χ^2/NDF: 23.0/19

All: -0.003+/-0.010 χ^2/NDF: 37.5/40

- sign -0.007+/-0.014 χ^2/NDF: 14.3/20



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 29.972+/-0.017 χ^2/NDF:2124121.6/3

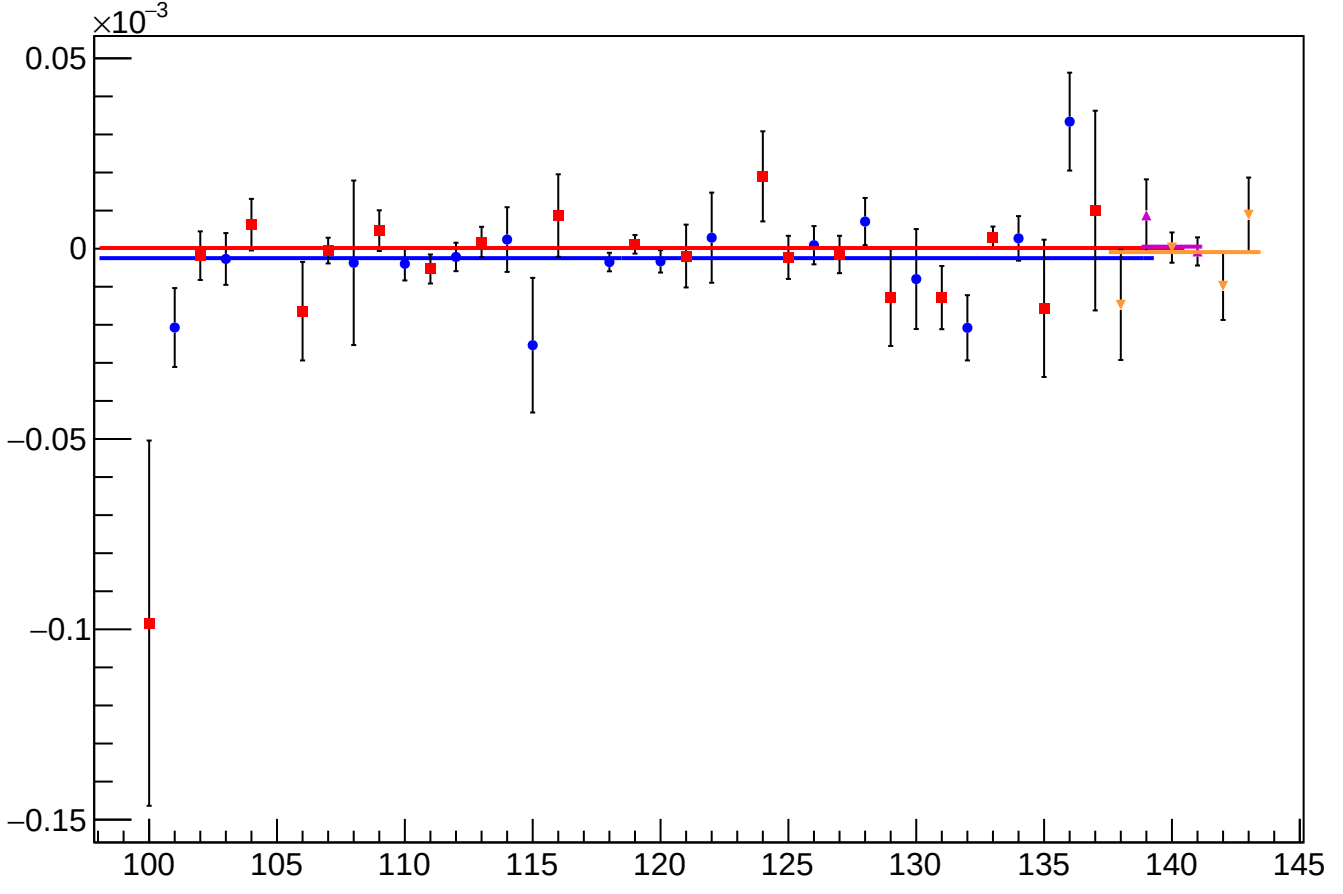
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

+ sign 35.190+/-0.009 χ^2/NDF: 4241511.8/19

All: 34.295+/-0.007 χ^2/NDF: 8130378.4/40

- sign 33.359+/-0.010 χ^2/NDF: 3870597.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

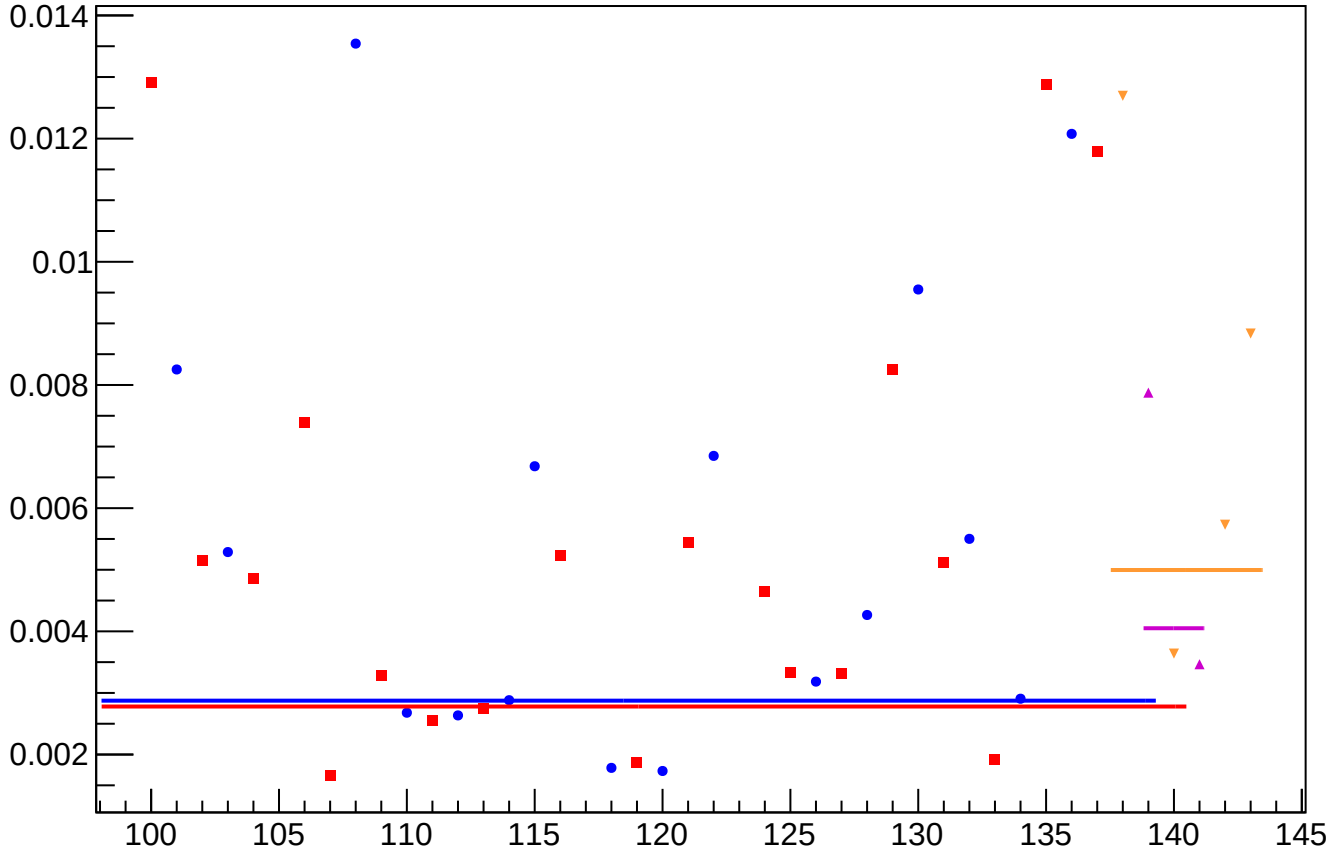
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/19

All: -0.000+/-0.000 χ^2/NDF: 47.0/40

- sign 0.000+/-0.000 χ^2/NDF: 19.7/20



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1117148.1/3

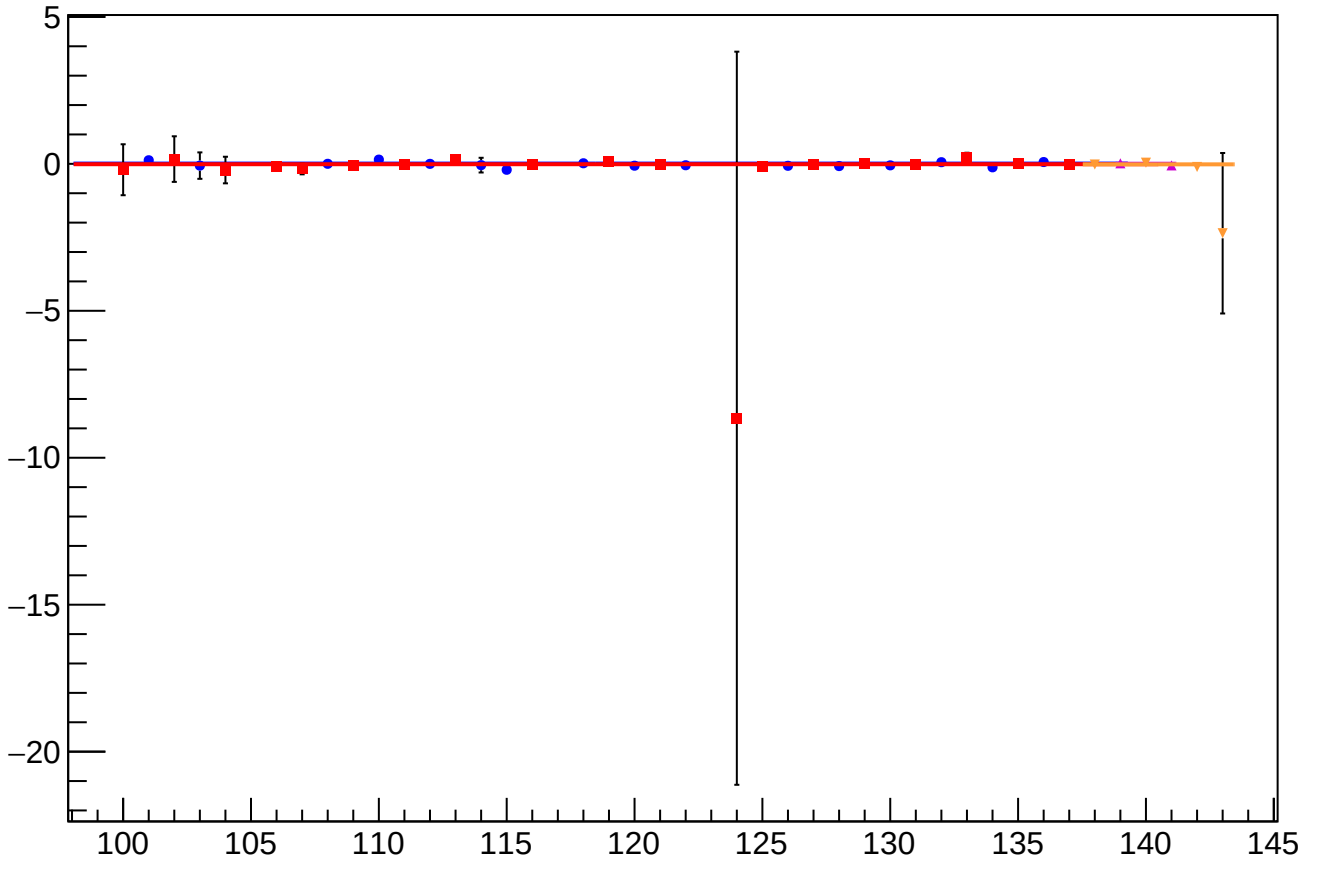
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:377253.9/1

\+ sign 0.003+/-0.000 χ^2/NDF: 5977067.5/19

All: 0.003+/-0.000 χ^2/NDF: 9954738.5/40

\- sign 0.003+/-0.000 χ^2/NDF: 3932658.3/20



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.017+/-0.024 χ^2/NDF:3.0/3

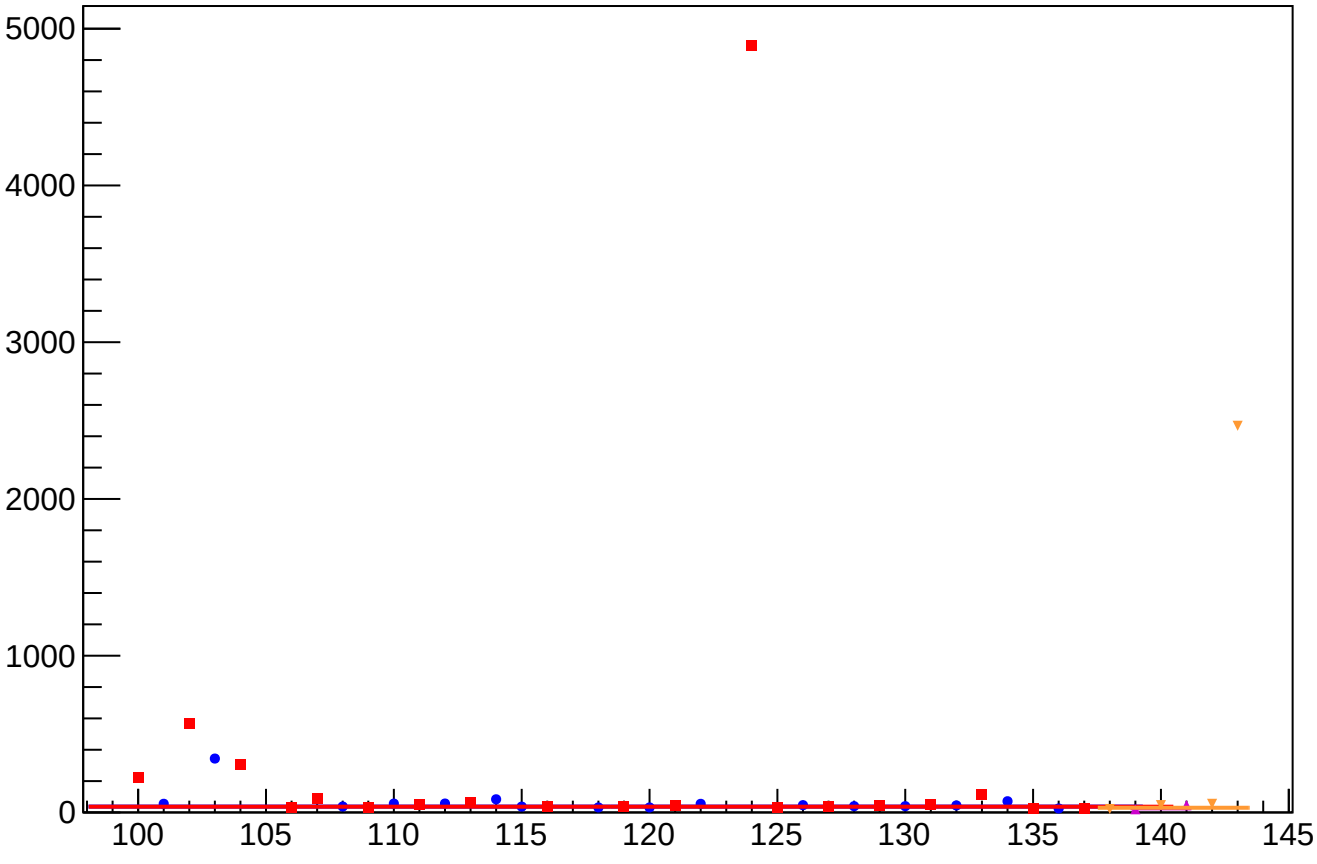
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.024 χ^2/NDF:1.4/1

+ sign 0.001+/-0.013 χ^2/NDF: 23.0/19

All: -0.003+/-0.010 χ^2/NDF: 37.5/40

- sign -0.007+/-0.014 χ^2/NDF: 14.3/20



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 29.968+/-0.017 χ^2/NDF:2124424.0/3

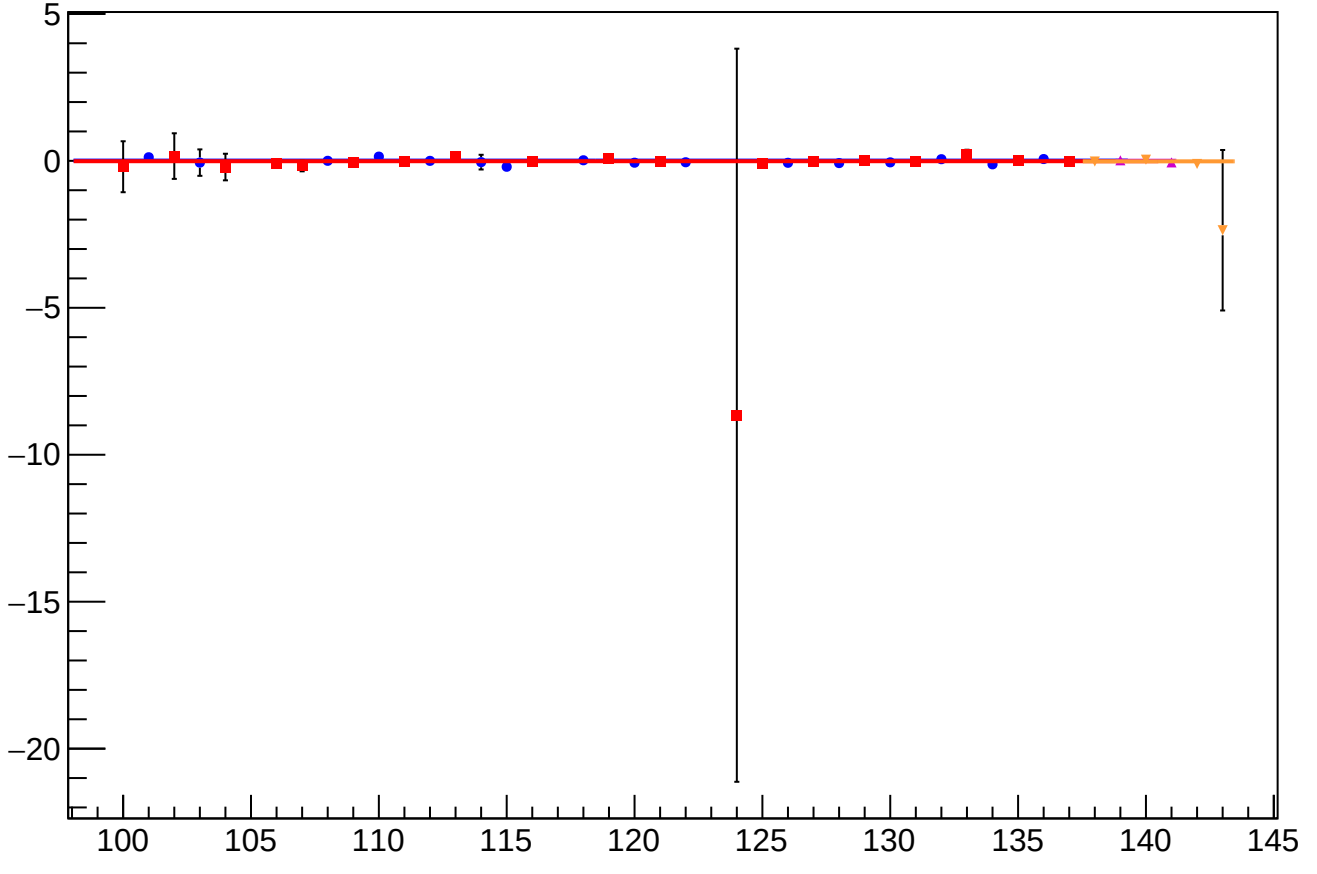
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

\+ sign 35.189+/-0.009 χ^2/NDF: 4241923.1/19

All: 34.297+/-0.007 χ^2/NDF: 8129606.1/40

\- sign 33.364+/-0.010 χ^2/NDF: 3869541.2/20



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.017+/-0.024 χ^2/NDF:3.0/3

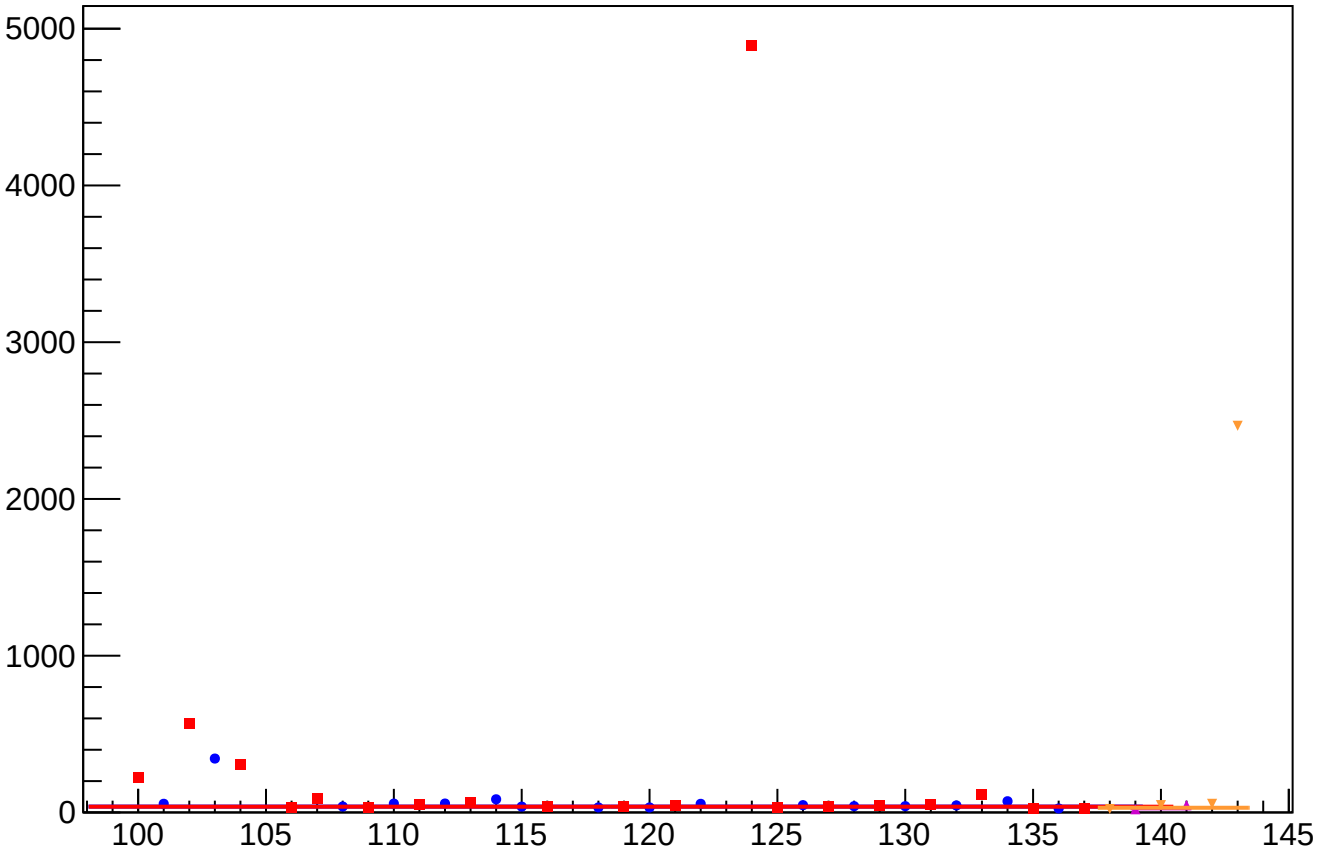
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.024 χ^2/NDF:1.4/1

+ sign 0.001+/-0.013 χ^2/NDF: 23.0/19

All: -0.003+/-0.010 χ^2/NDF: 37.5/40

- sign -0.007+/-0.014 χ^2/NDF: 14.3/20



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 29.968+/-0.017 χ^2/NDF:2124424.0/3

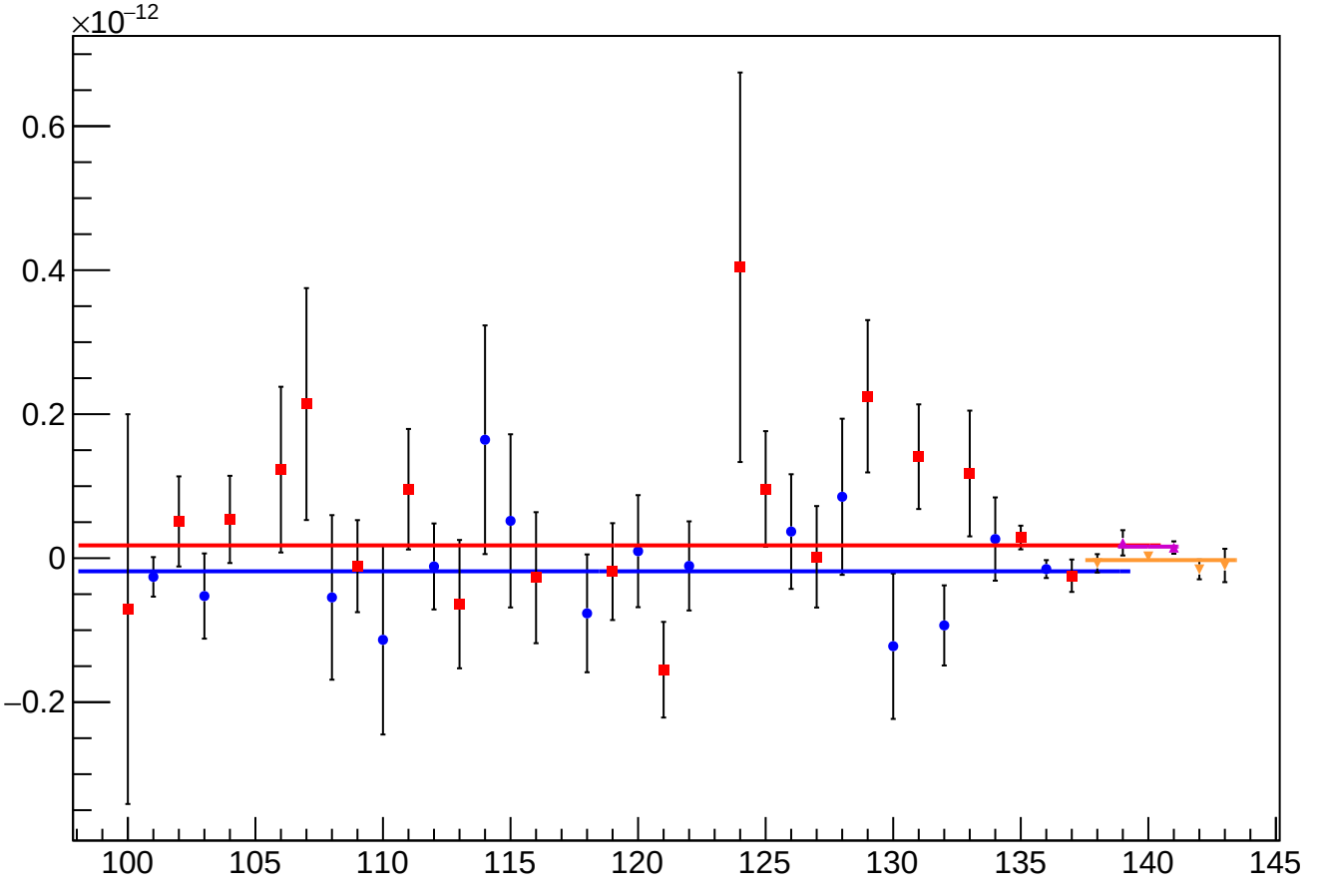
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

+ sign 35.189+/-0.009 χ^2/NDF: 4241923.1/19

All: 34.297+/-0.007 χ^2/NDF: 8129606.1/40

- sign 33.364+/-0.010 χ^2/NDF: 3869541.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

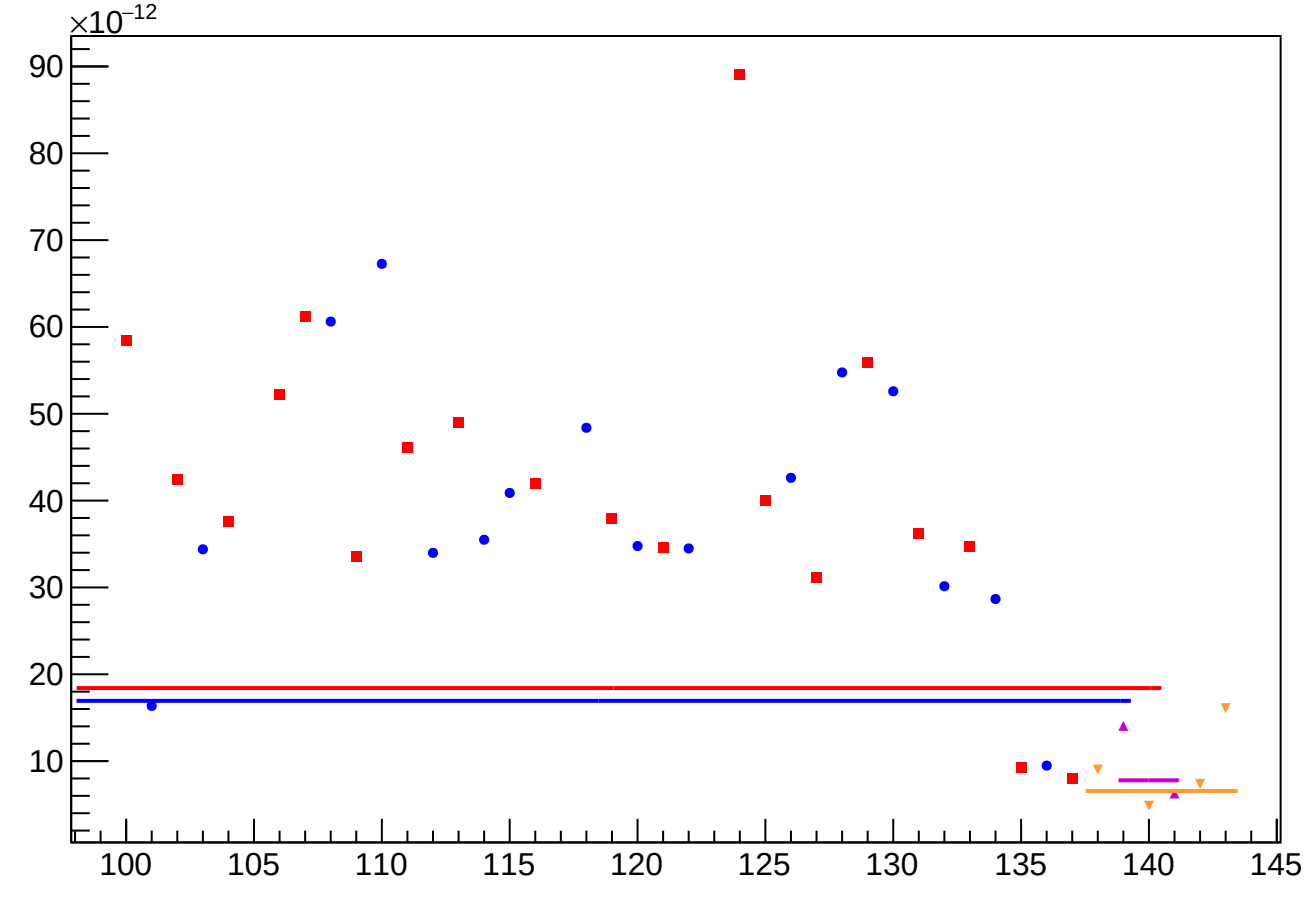
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 11.9/19

All: 0.000+/-0.000 χ^2/NDF: 47.6/40

- sign 0.000+/-0.000 χ^2/NDF: 27.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:547131.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

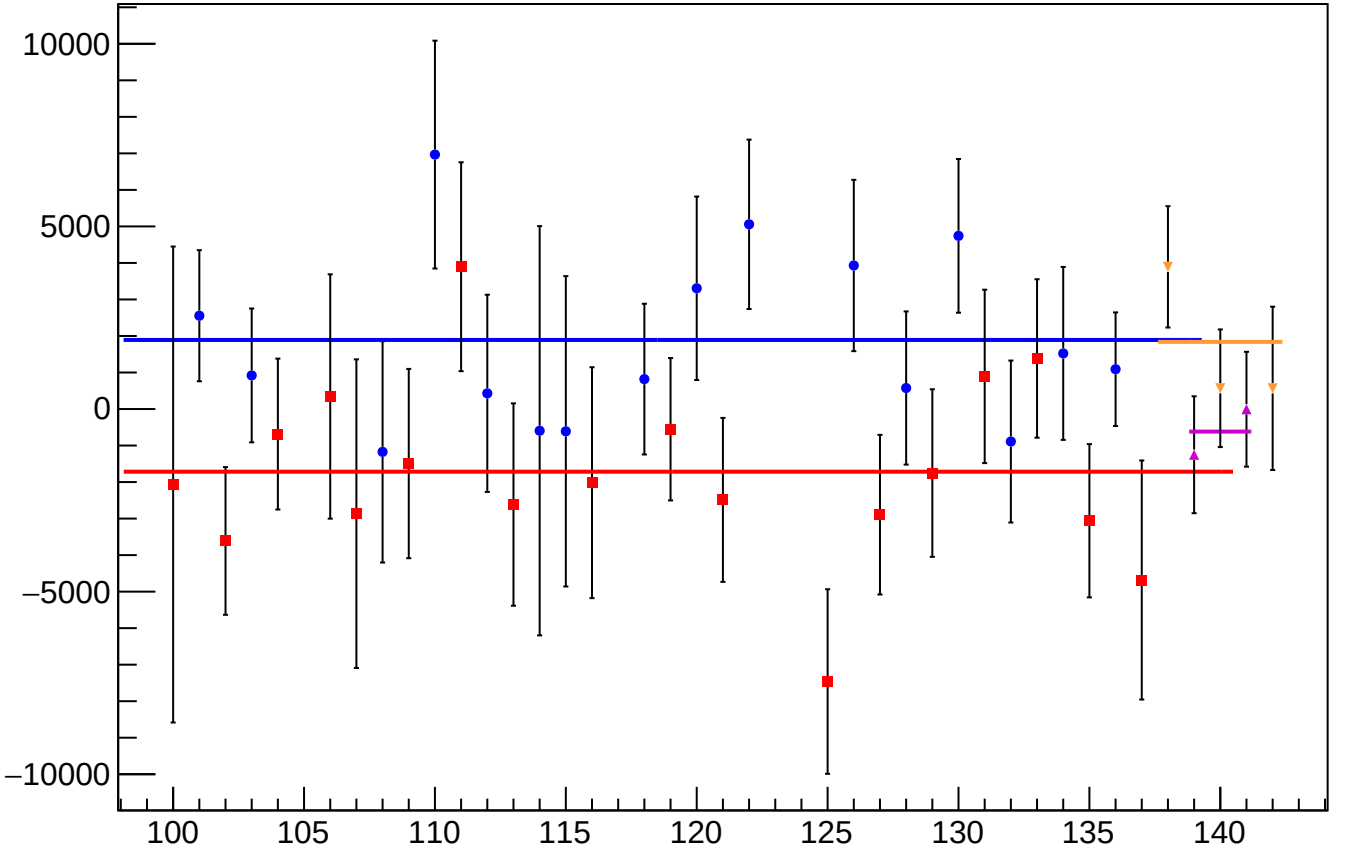
Left In: 0.000+/-0.000 χ^2/NDF:316105.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 5457551.0/19

All: 0.000+/-0.000 χ^2/NDF: 10874292.5/40

- sign 0.000+/-0.000 χ^2/NDF: 5230849.0/20

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.790+/-1027.211 χ^2/NDF:2.5/2

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

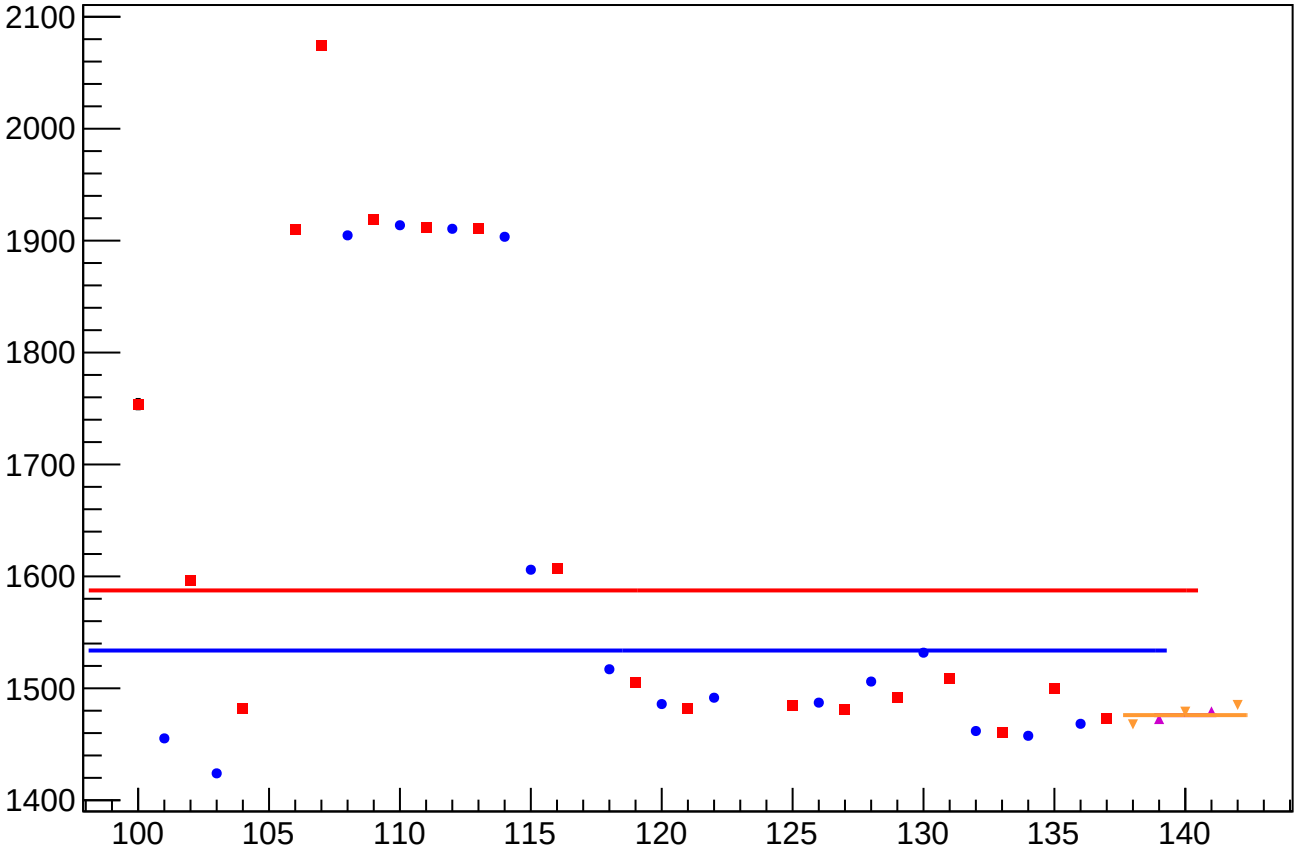
Left In: -617.778+/-1121.714 χ^2/NDF:0.3/1

+ sign 1878.983+/-499.906 χ^2/NDF: 14.7/18

All: 272.404+/-360.992 χ^2/NDF: 53.3/38

- sign -1478.245+/-521.840 χ^2/NDF: 17.0/19

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

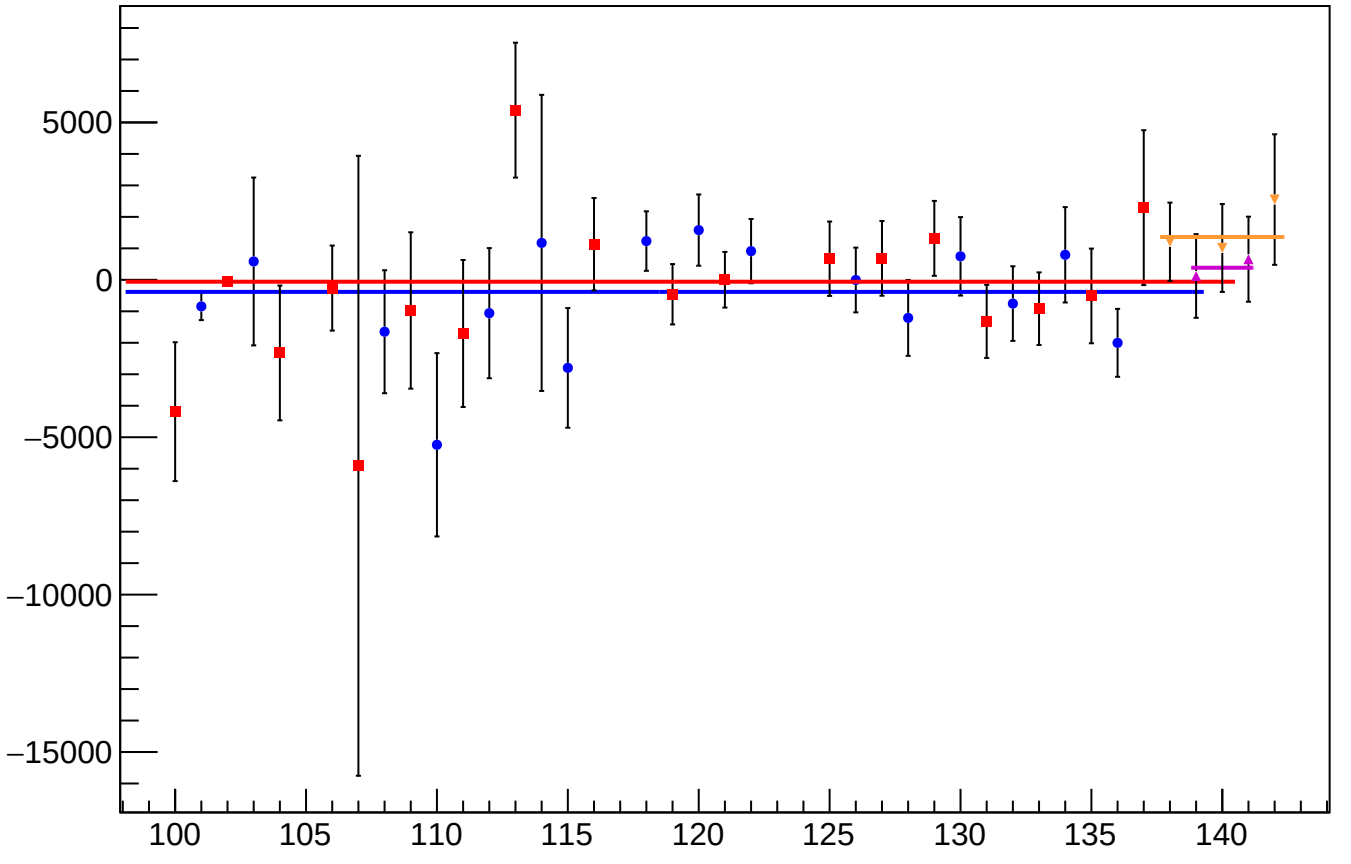
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

+ sign 1520.101+/-0.353 χ^2/NDF: 134180.0/18

All: 1540.796+/-0.255 χ^2/NDF: 328811.5/38

- sign 1563.347+/-0.369 χ^2/NDF: 187468.8/19



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.339+/-847.581 χ^2/NDF:0.4/2

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

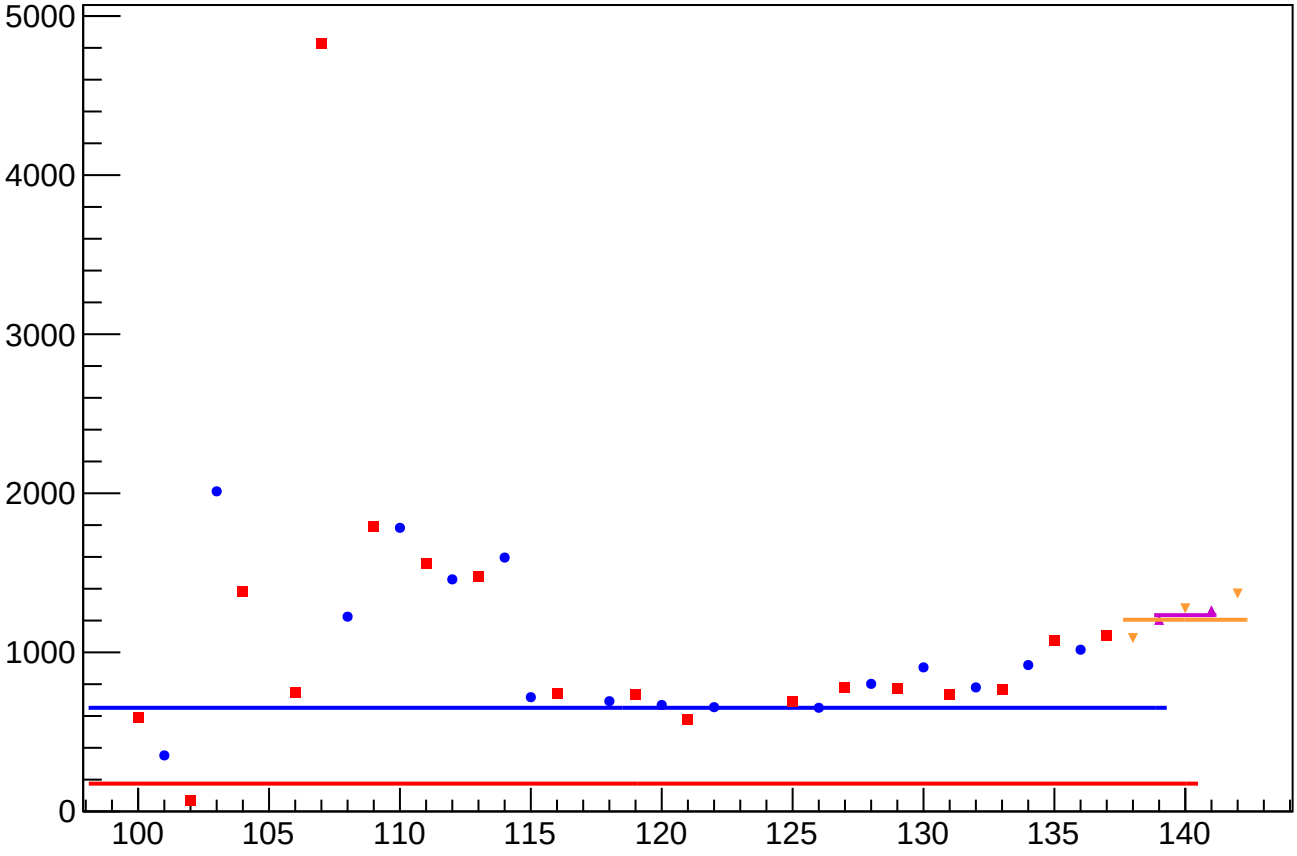
Left In: 384.402+/-947.619 χ^2/NDF:0.1/1

+ sign -219.712+/-259.171 χ^2/NDF: 22.4/18

All: -84.327+/-113.722 χ^2/NDF: 40.9/38

- sign -52.045+/-126.556 χ^2/NDF: 18.1/19

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1205.068+/-0.599 χ^2/NDF:35119.1/2

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

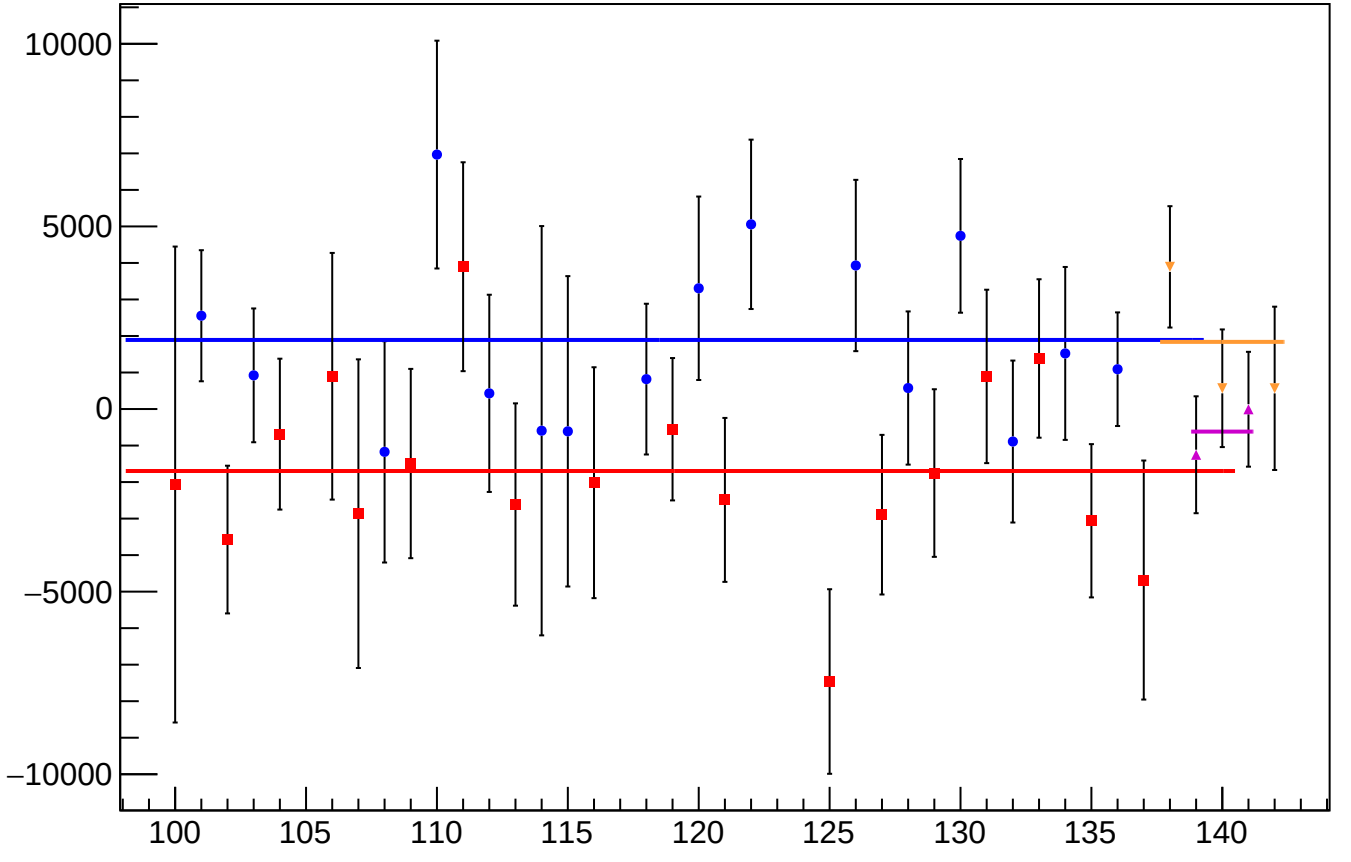
Left In: 1233.965+/-0.670 χ^2/NDF:2028.3/1

+ sign 703.279+/-0.183 χ^2/NDF: 3571063.2/18

All: 291.885+/-0.080 χ^2/NDF: 22028834.6/38

- sign 193.788+/-0.089 χ^2/NDF: 12216798.5/19

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.858+/-1027.211 χ^2/NDF:2.5/2

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

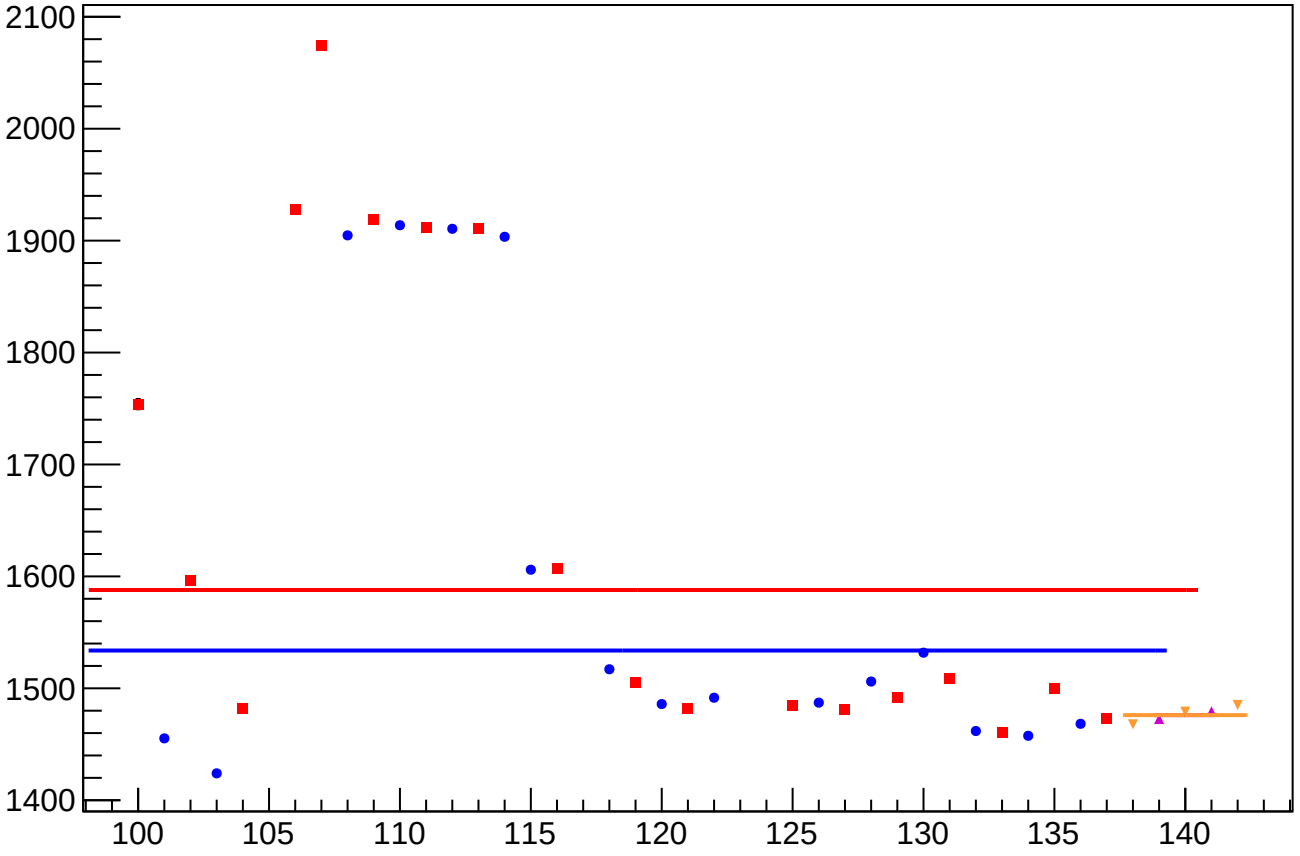
Left In: -618.030+/-1121.714 χ^2/NDF:0.3/1

+ sign 1879.079+/-499.906 χ^2/NDF: 14.7/18

All: 279.979+/-361.034 χ^2/NDF: 53.3/38

- sign -1463.360+/-521.965 χ^2/NDF: 17.2/19

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

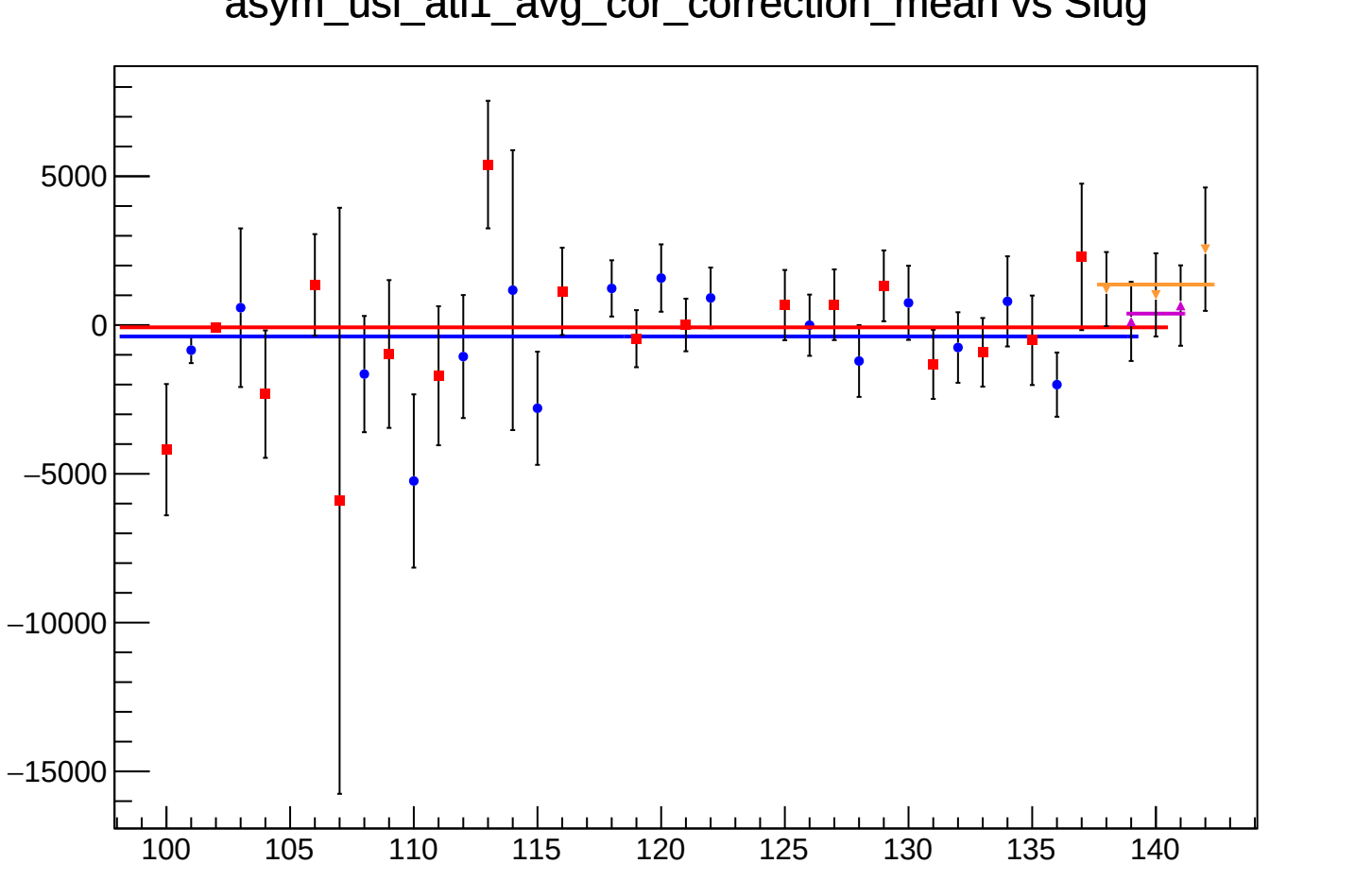
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

+ sign 1520.101+/-0.353 χ^2/NDF: 134180.0/18

All: 1540.930+/-0.255 χ^2/NDF: 330789.5/38

- sign 1563.637+/-0.369 χ^2/NDF: 189352.3/19



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.434+/-847.584 χ^2/NDF:0.4/2

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

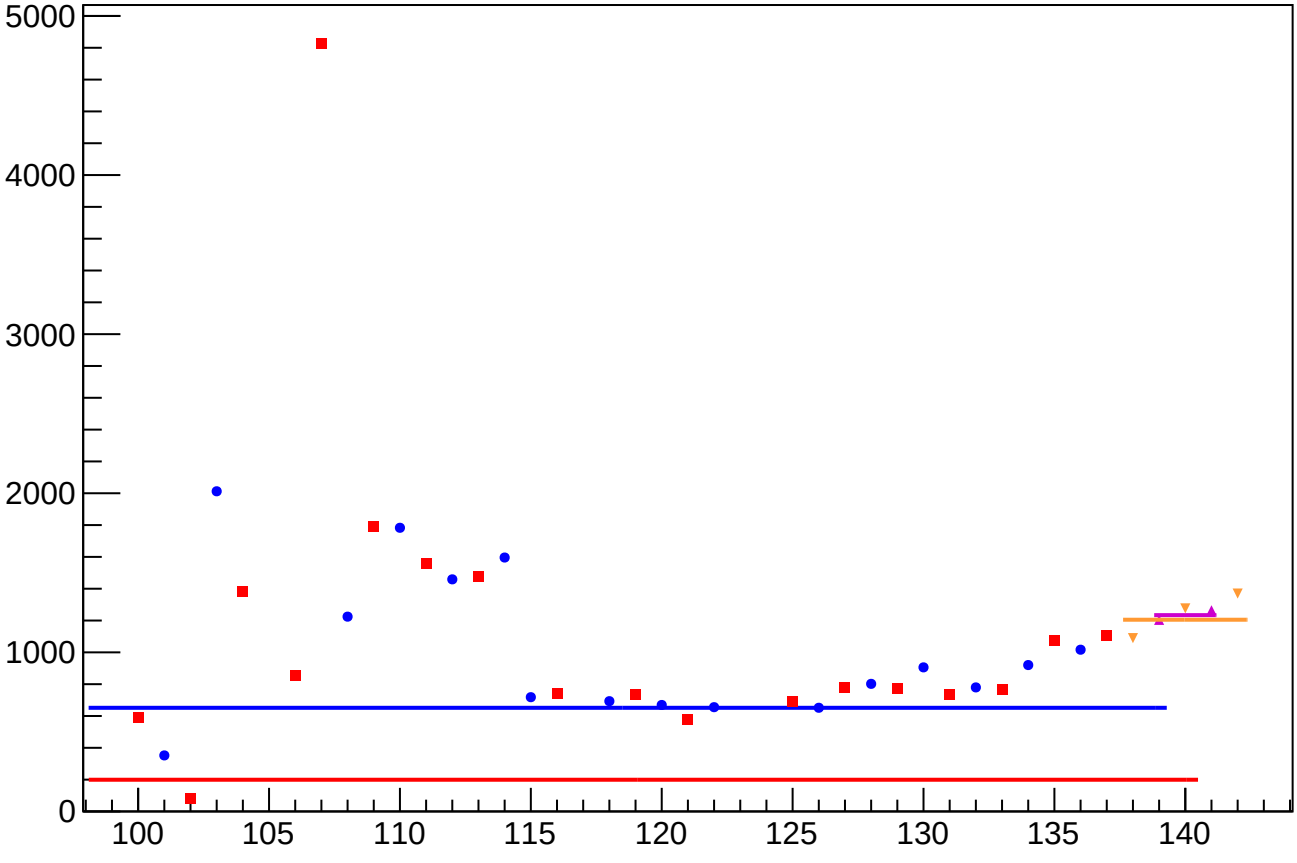
Left In: 384.258+/-947.620 χ^2/NDF:0.1/1

+ sign -219.681+/-259.171 χ^2/NDF: 22.4/18

All: -100.355+/-120.907 χ^2/NDF: 41.5/38

- sign -67.162+/-136.692 χ^2/NDF: 18.8/19

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1205.073+/-0.599 χ^2/NDF:35115.0/2

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

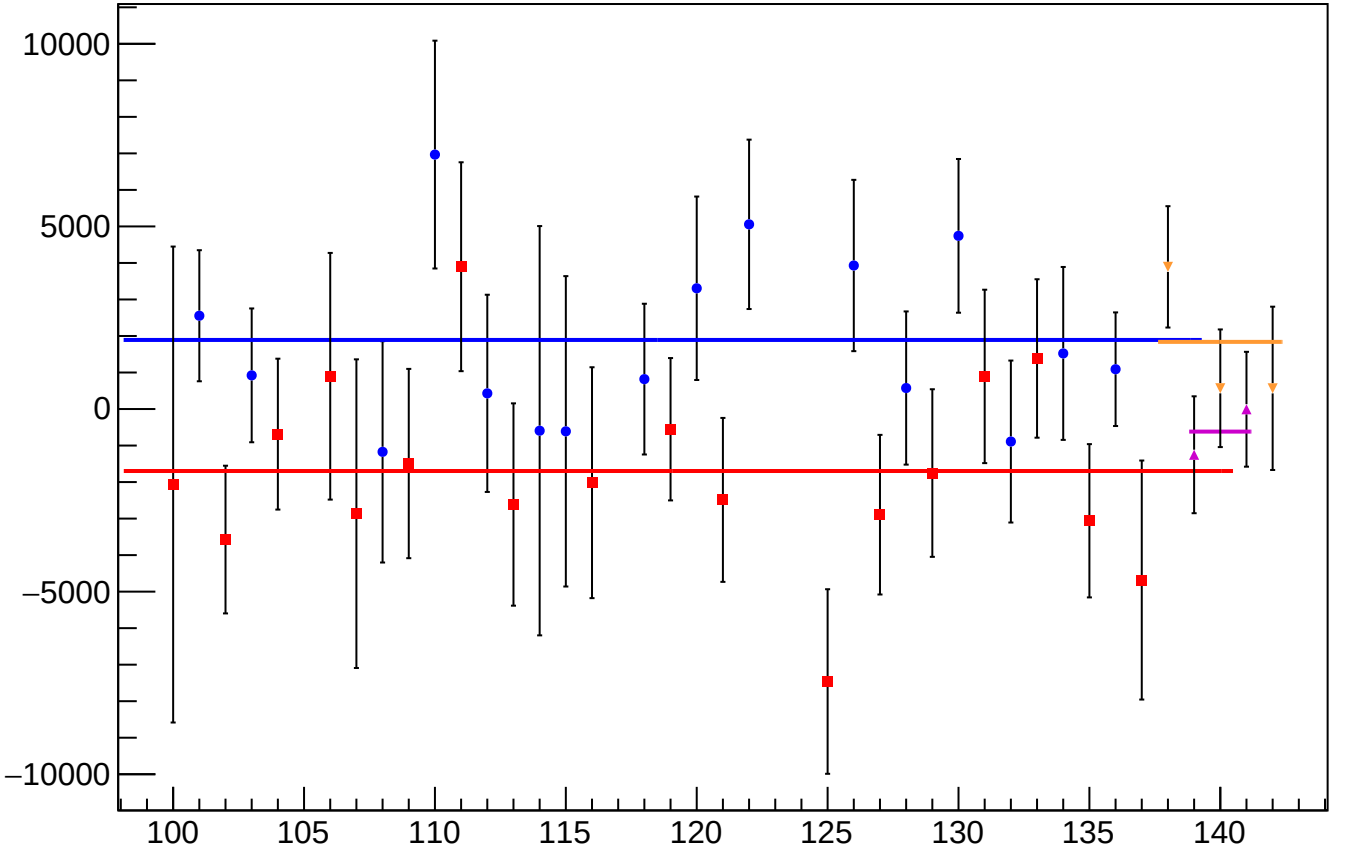
Left In: 1233.967+/-0.670 χ^2/NDF:2027.8/1

+ sign 703.278+/-0.183 χ^2/NDF: 3571098.6/18

All: 325.860+/-0.085 χ^2/NDF: 20613594.3/38

- sign 220.872+/-0.097 χ^2/NDF: 11621320.8/19

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.858+/-1027.211 χ^2/NDF:2.5/2

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

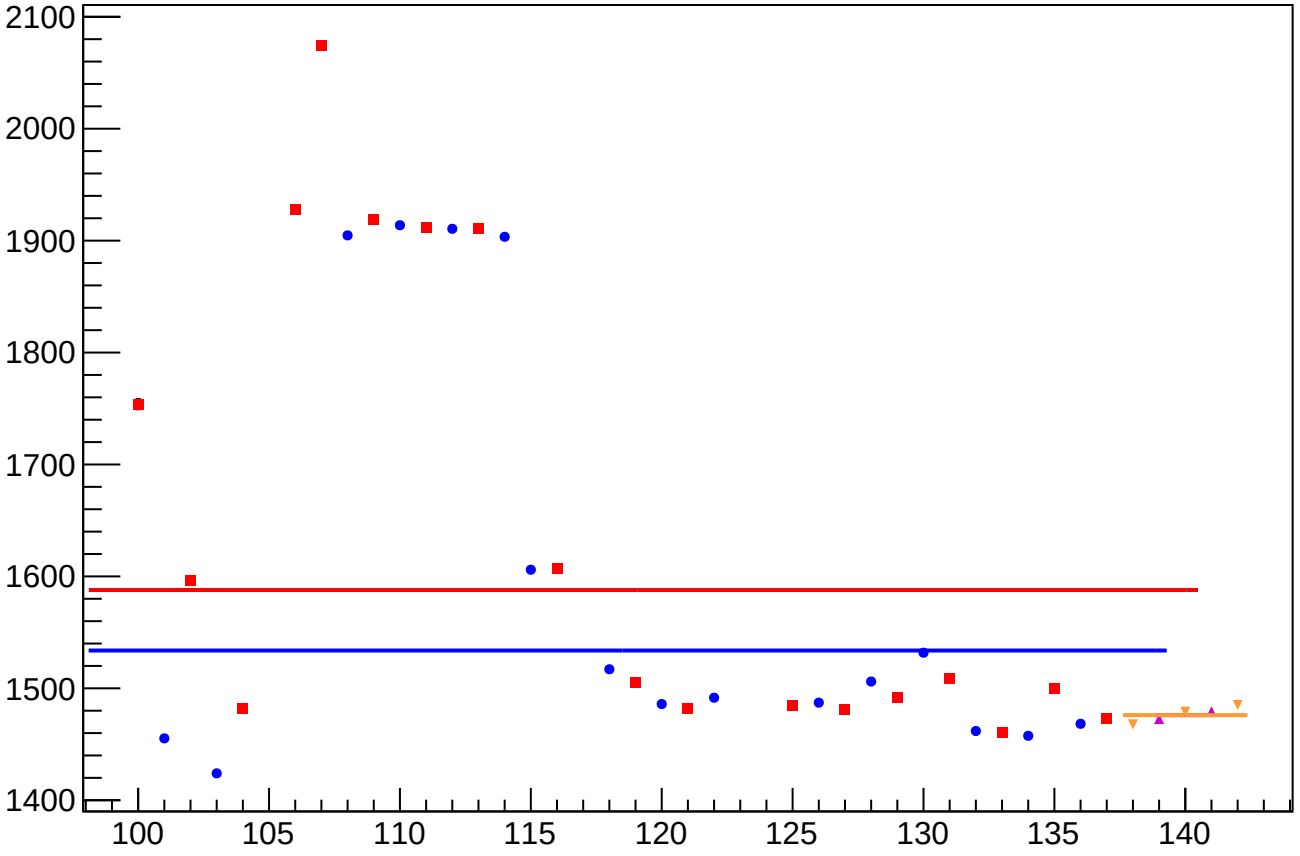
Left In: -618.030+/-1121.714 χ^2/NDF:0.3/1

+ sign 1879.079+/-499.906 χ^2/NDF: 14.7/18

All: 279.979+/-361.034 χ^2/NDF: 53.3/38

- sign -1463.360+/-521.965 χ^2/NDF: 17.2/19

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

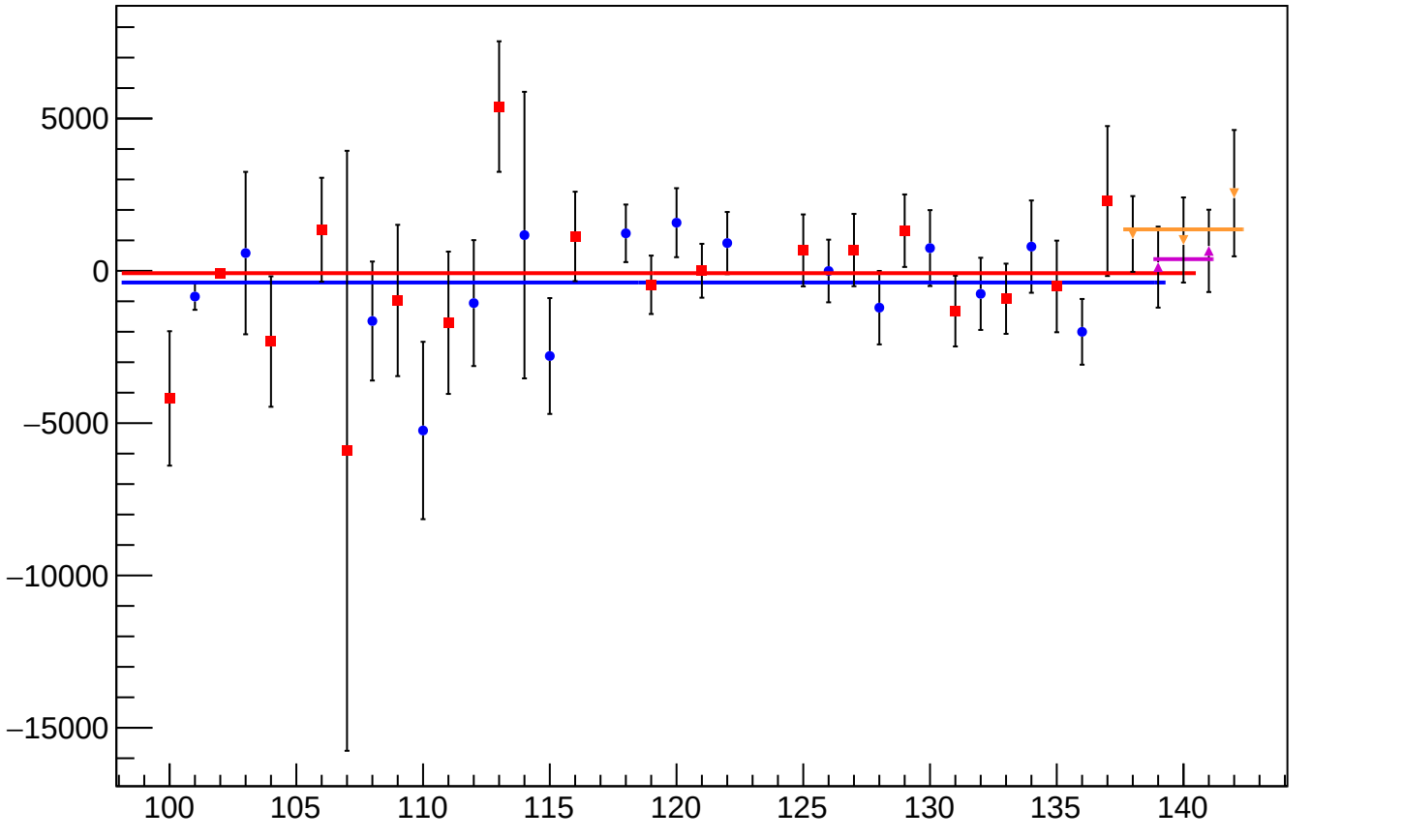
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

+ sign 1520.101+/-0.353 χ^2/NDF: 134180.0/18

All: 1540.930+/-0.255 χ^2/NDF: 330789.5/38

- sign 1563.637+/-0.369 χ^2/NDF: 189352.3/19



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.434+/-847.584 χ^2/NDF:0.4/2

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

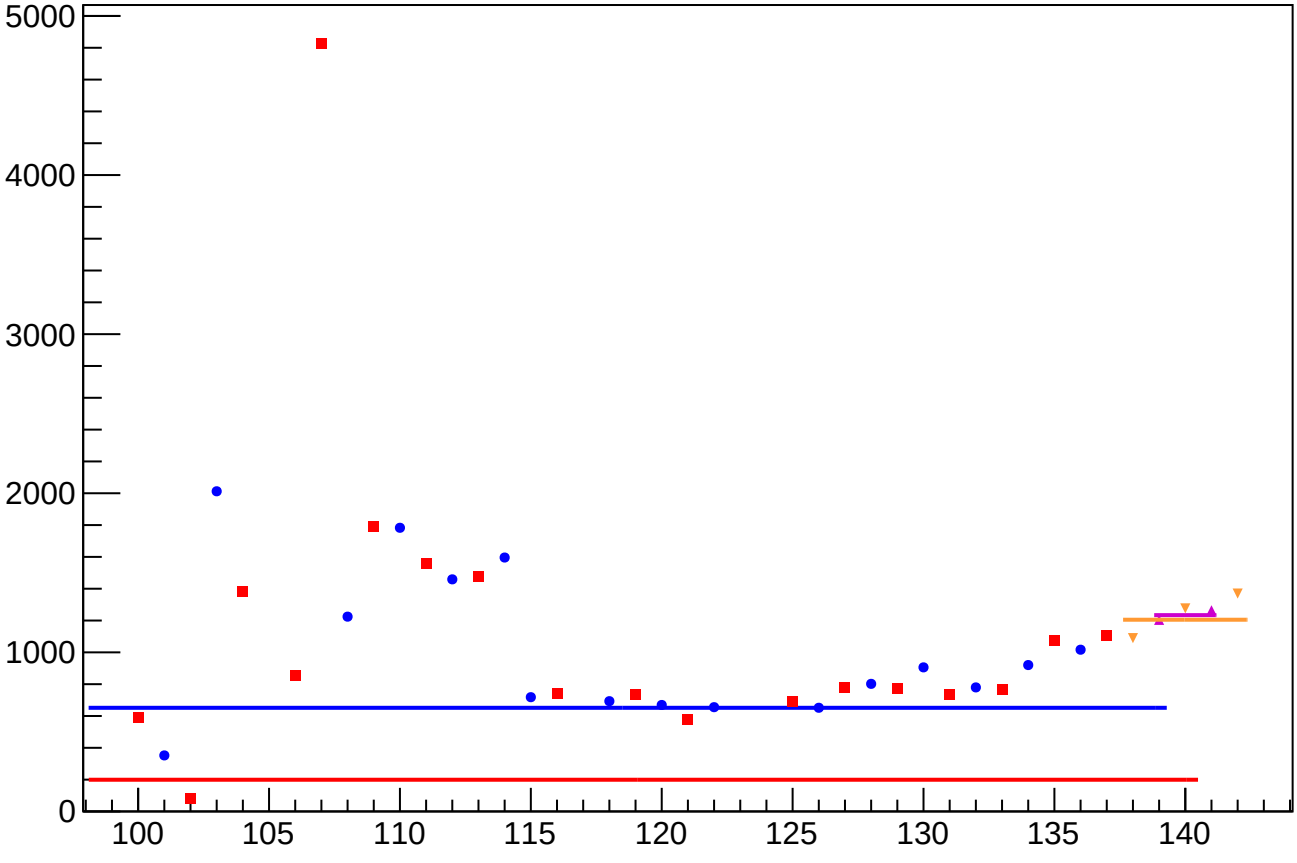
Left In: 384.258+/-947.620 χ^2/NDF:0.1/1

+ sign -219.681+/-259.171 χ^2/NDF: 22.4/18

All: -100.355+/-120.907 χ^2/NDF: 41.5/38

- sign -67.162+/-136.692 χ^2/NDF: 18.8/19

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1205.073+/-0.599 χ^2/NDF:35115.0/2

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

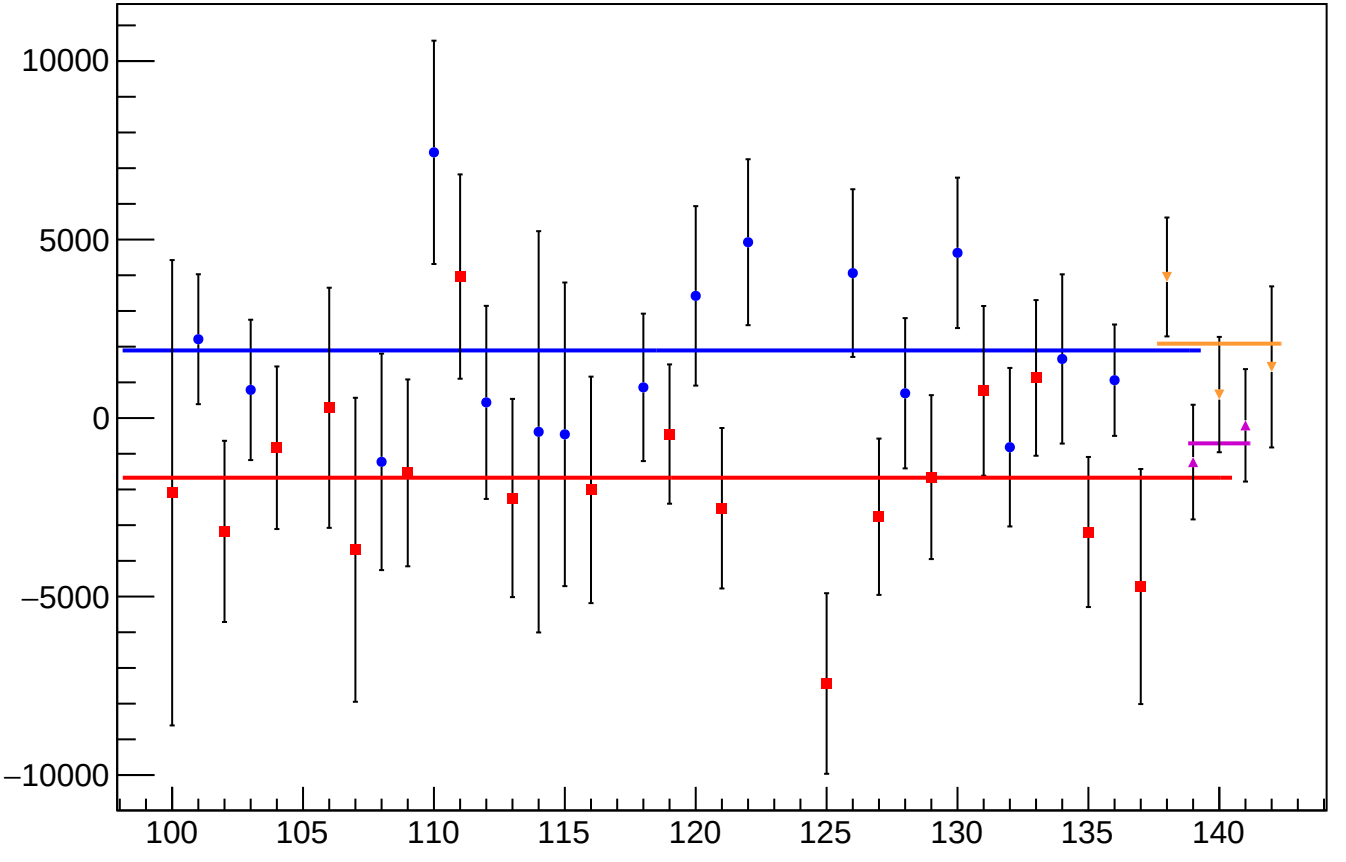
Left In: 1233.967+/-0.670 χ^2/NDF:2027.8/1

+ sign 703.278+/-0.183 χ^2/NDF: 3571098.6/18

All: 325.860+/-0.085 χ^2/NDF: 20613594.3/38

- sign 220.872+/-0.097 χ^2/NDF: 11621320.8/19

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2083.960+/-1031.296 χ^2/NDF:2.1/2

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

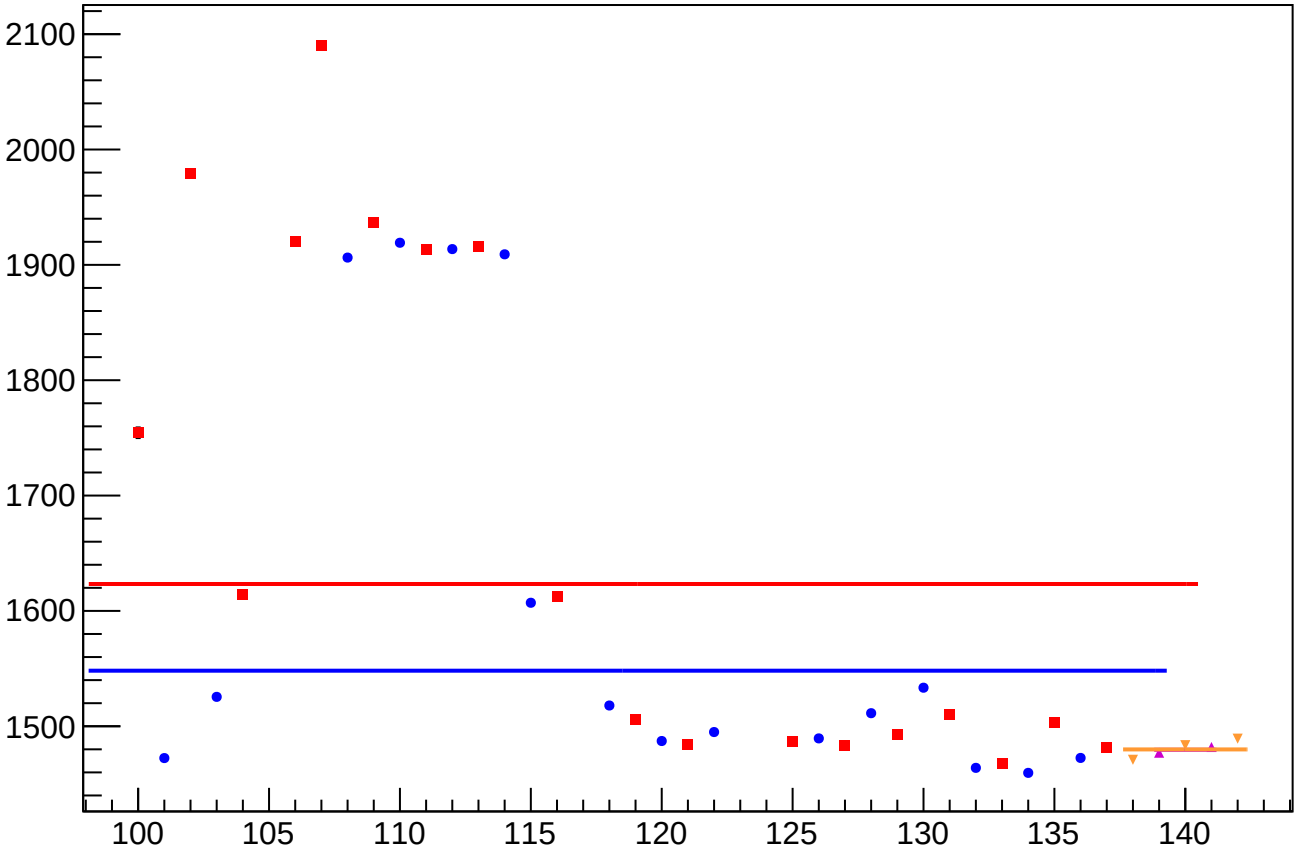
Left In: -708.640+/-1124.518 χ^2/NDF:0.2/1

+ sign 1939.493+/-503.964 χ^2/NDF: 14.4/18

All: 336.184+/-366.086 χ^2/NDF: 51.7/38

- sign -1455.010+/-532.675 χ^2/NDF: 15.8/19

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1479.918+/-0.729 χ^2/NDF:102.6/2

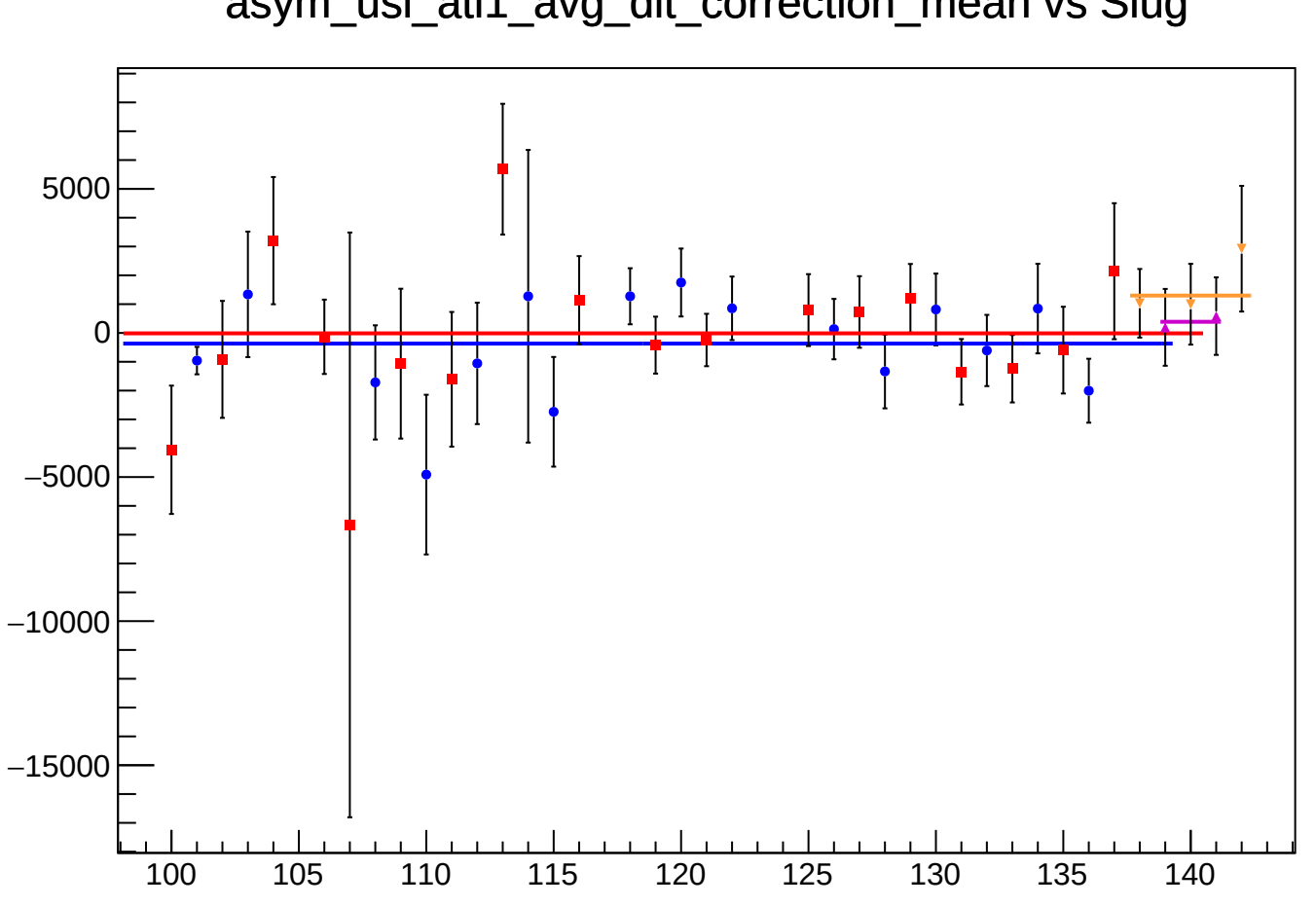
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1479.603+/-0.795 χ^2/NDF:9.7/1

+ sign 1531.875+/-0.356 χ^2/NDF: 126676.6/18

All: 1559.839+/-0.259 χ^2/NDF: 376599.1/38

- sign 1591.080+/-0.377 χ^2/NDF: 236884.9/19



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 1297.790+/-837.705 χ^2/NDF:0.7/2

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

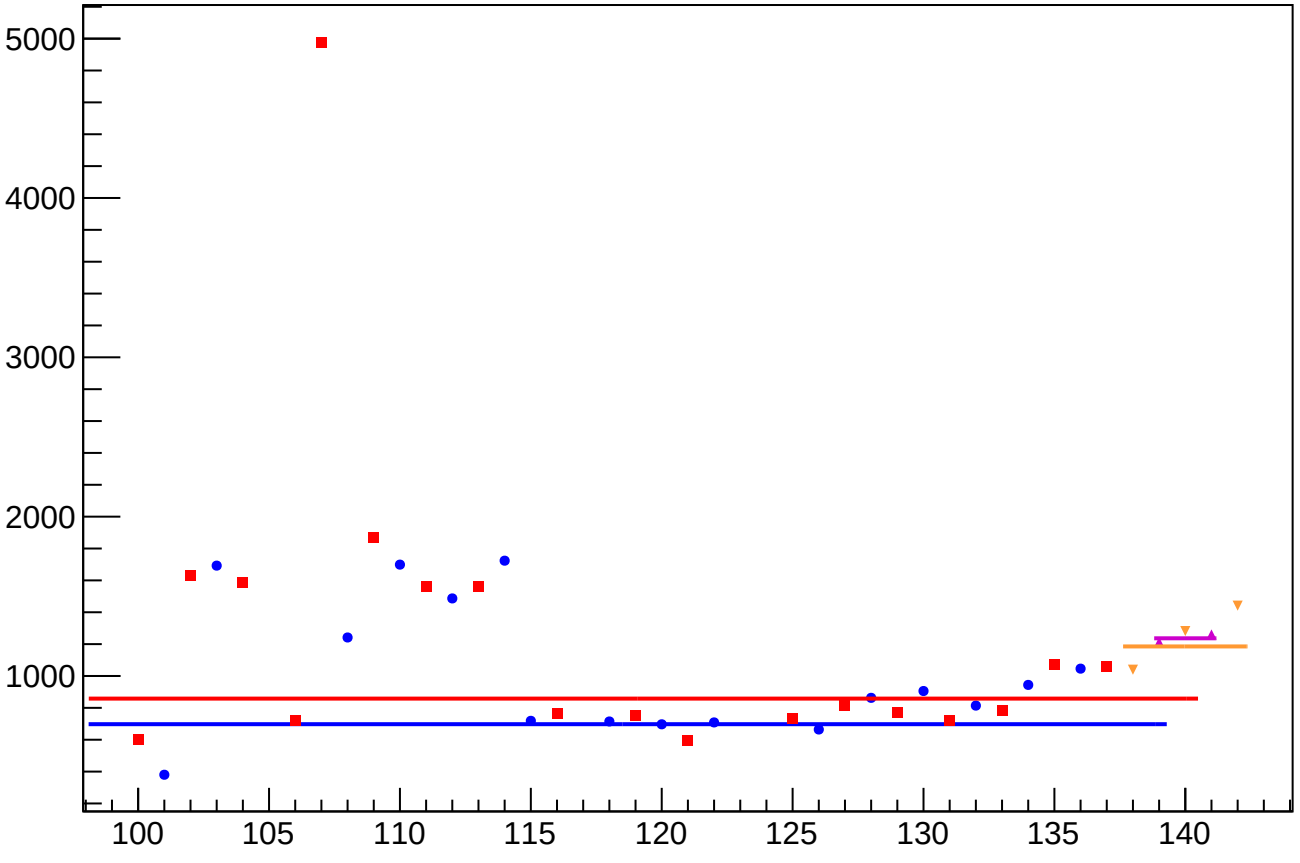
Left In: 387.562+/-946.886 χ^2/NDF:0.0/1

+ sign -194.110+/-271.149 χ^2/NDF: 23.1/18

All: -99.862+/-207.221 χ^2/NDF: 42.6/38

- sign 32.476+/-321.303 χ^2/NDF: 19.3/19

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1185.454+/-0.592 χ^2/NDF:67097.0/2

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

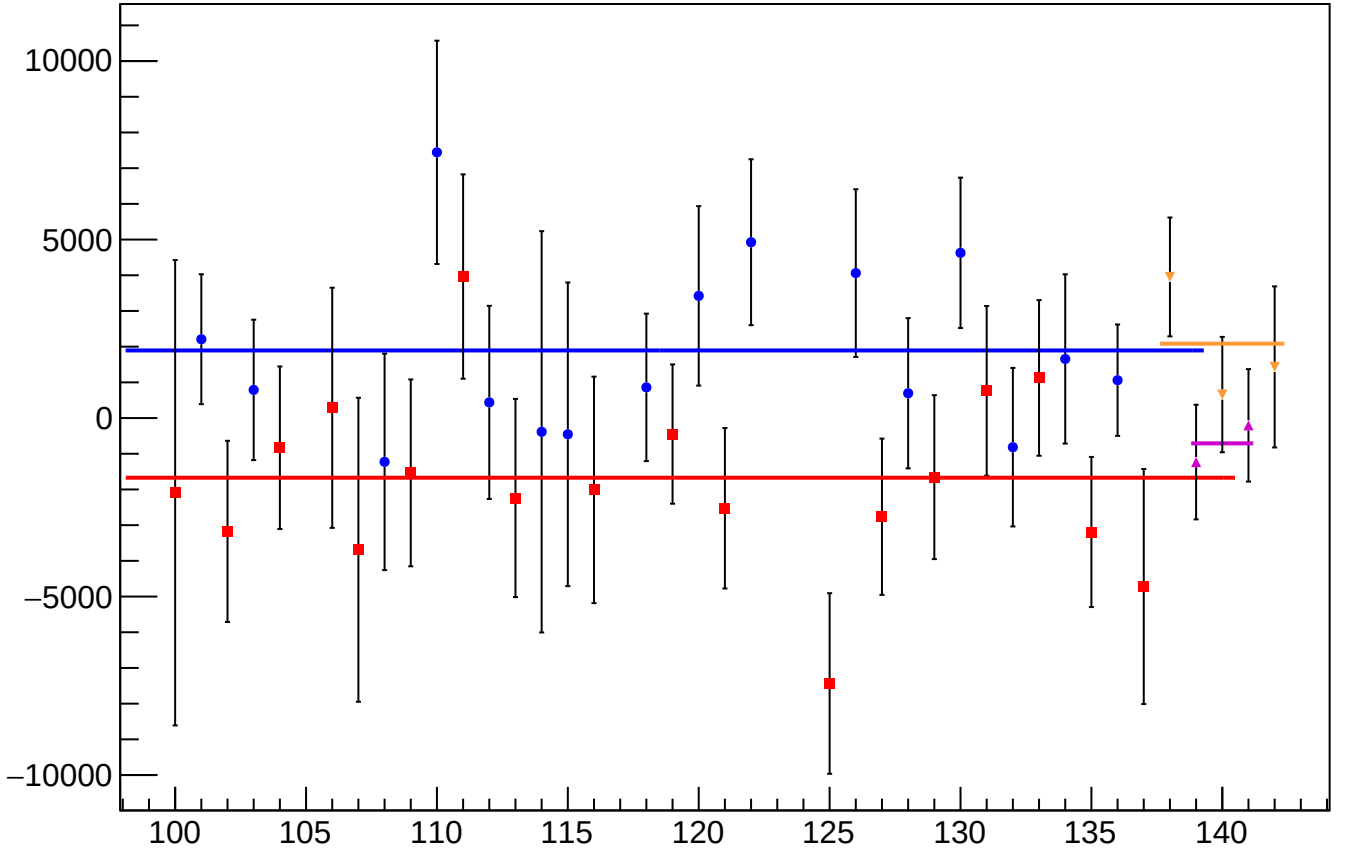
Left In: 1236.564+/-0.670 χ^2/NDF:1289.3/1

+ sign 748.637+/-0.192 χ^2/NDF: 3110148.7/18

All: 812.292+/-0.147 χ^2/NDF: 5541324.4/38

- sign 901.673+/-0.227 χ^2/NDF: 2166181.0/19

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2083.962+/-1031.296 χ^2/NDF:2.1/2

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

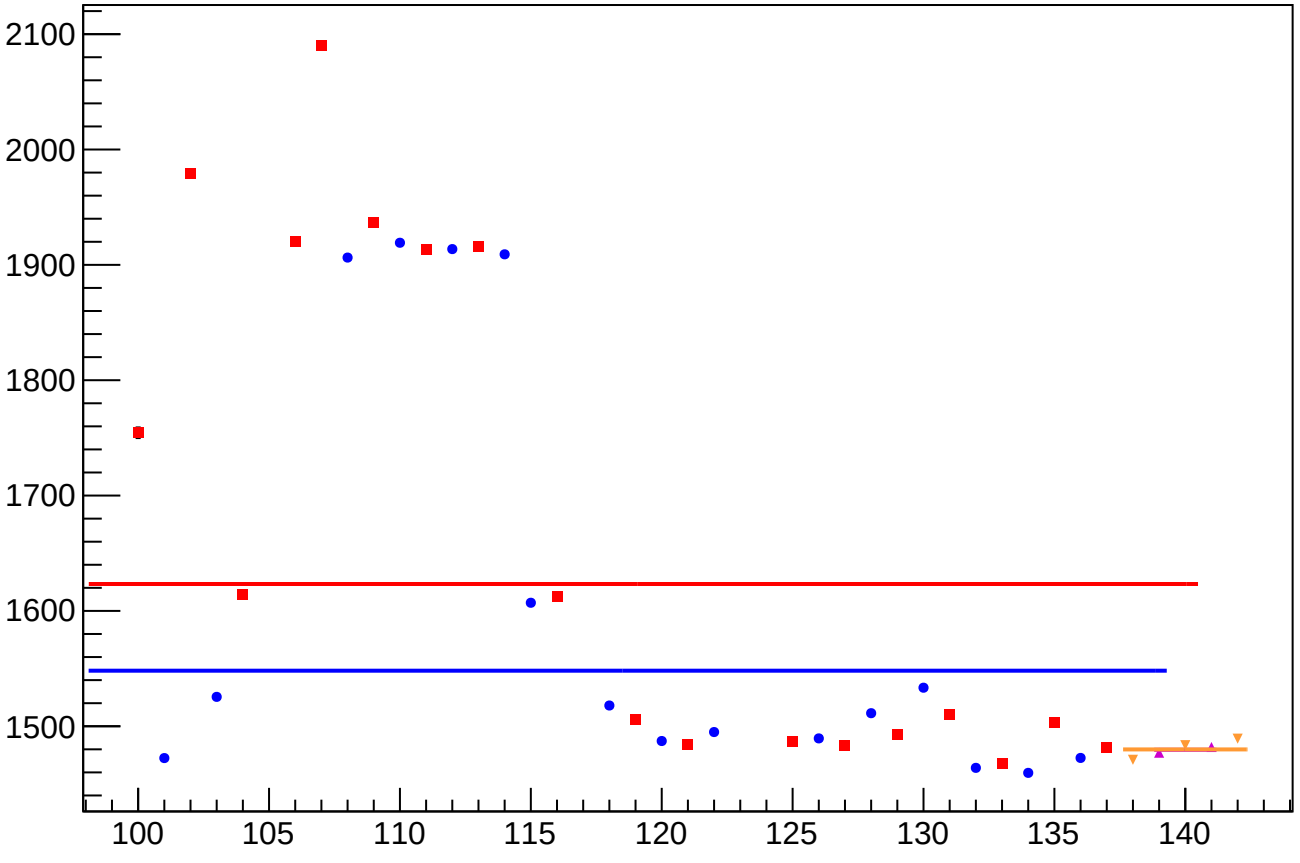
Left In: -708.641+/-1124.518 χ^2/NDF:0.2/1

+ sign 1939.491+/-503.964 χ^2/NDF: 14.4/18

All: 336.184+/-366.086 χ^2/NDF: 51.7/38

- sign -1455.009+/-532.675 χ^2/NDF: 15.8/19

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1479.918+/-0.729 χ^2/NDF:102.6/2

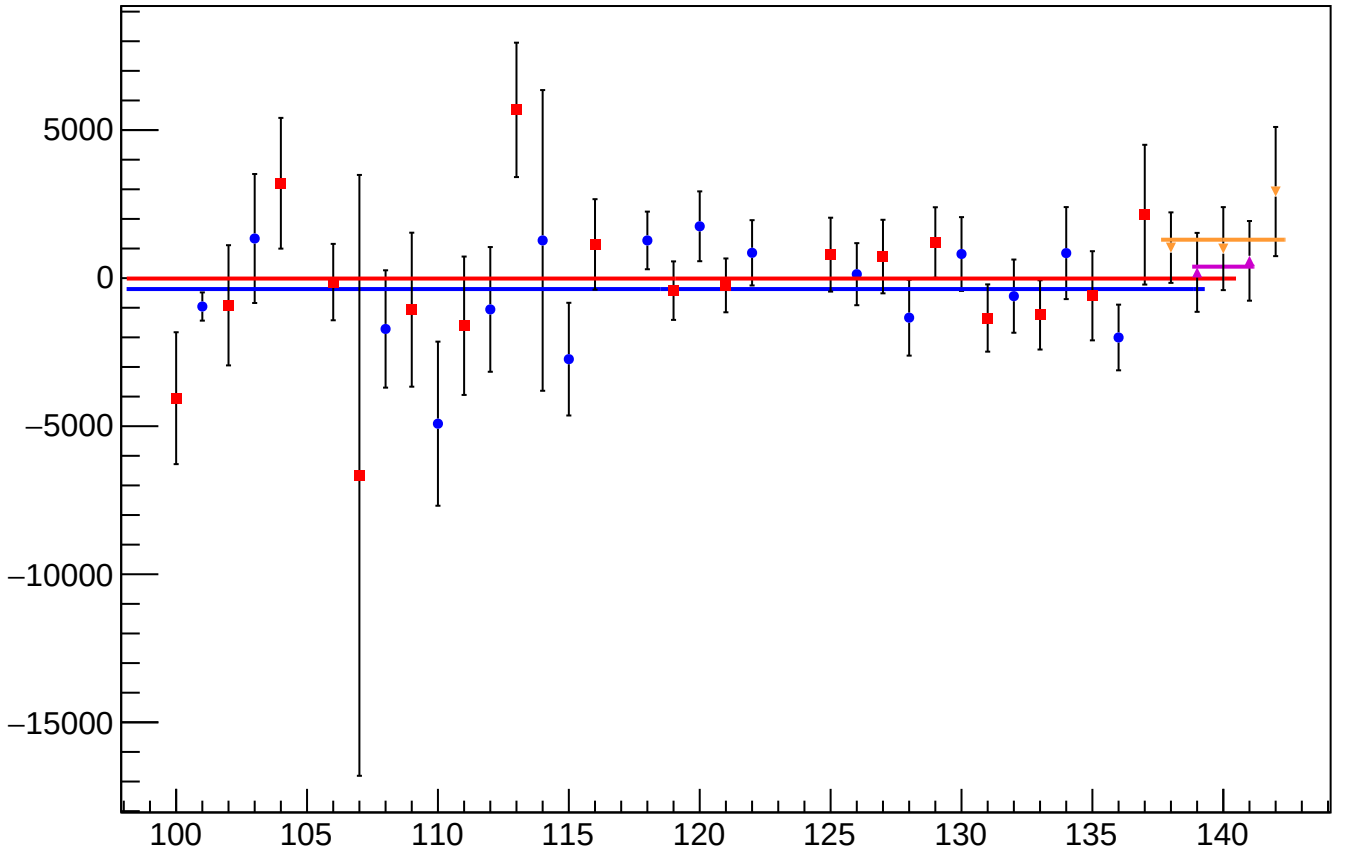
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1479.602+/-0.795 χ^2/NDF:9.7/1

+ sign 1531.874+/-0.356 χ^2/NDF: 126676.6/18

All: 1559.839+/-0.259 χ^2/NDF: 376598.9/38

- sign 1591.080+/-0.377 χ^2/NDF: 236884.6/19



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 1297.793+/-837.706 χ^2/NDF:0.7/2

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

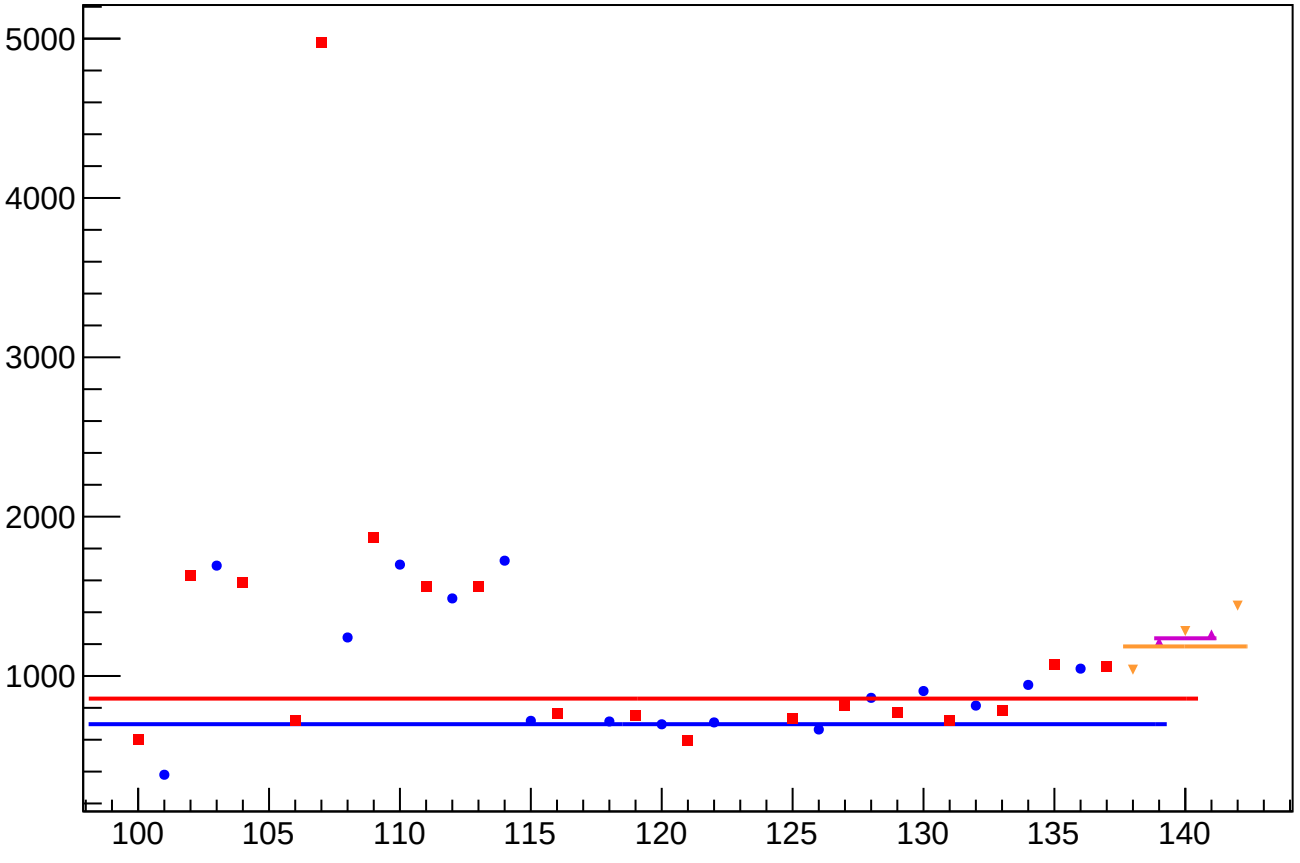
Left In: 387.561+/-946.887 χ^2/NDF:0.0/1

+ sign -194.109+/-271.149 χ^2/NDF: 23.1/18

All: -99.862+/-207.221 χ^2/NDF: 42.6/38

- sign 32.475+/-321.303 χ^2/NDF: 19.3/19

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1185.455+/-0.592 χ^2/NDF:67097.2/2

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

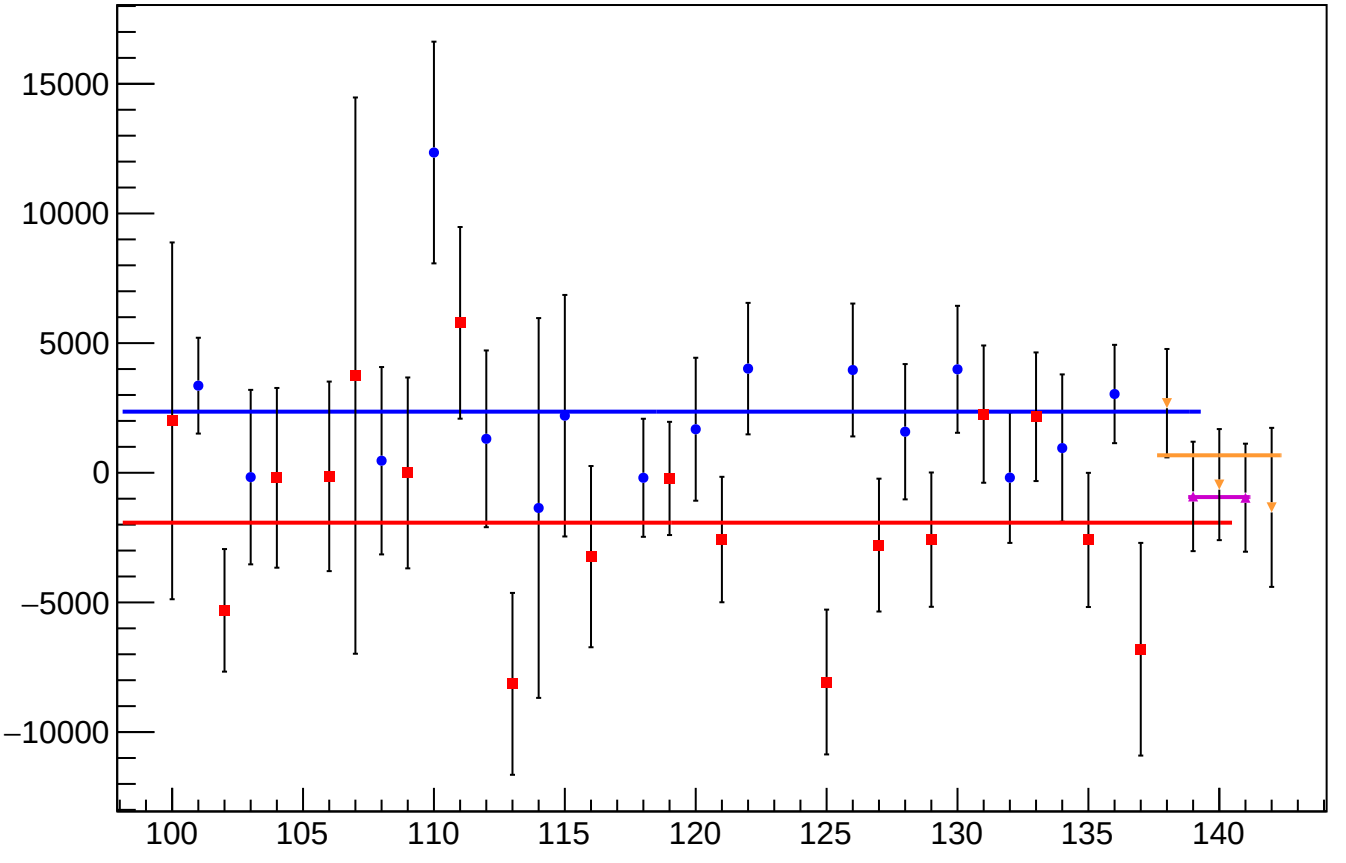
Left In: 1236.565+/-0.670 χ^2/NDF:1289.3/1

+ sign 748.637+/-0.192 χ^2/NDF: 3110143.8/18

All: 812.292+/-0.147 χ^2/NDF: 5541328.2/38

- sign 901.672+/-0.227 χ^2/NDF: 2166194.6/19

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 673.939+/-1344.508 χ^2/NDF:1.6/2

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

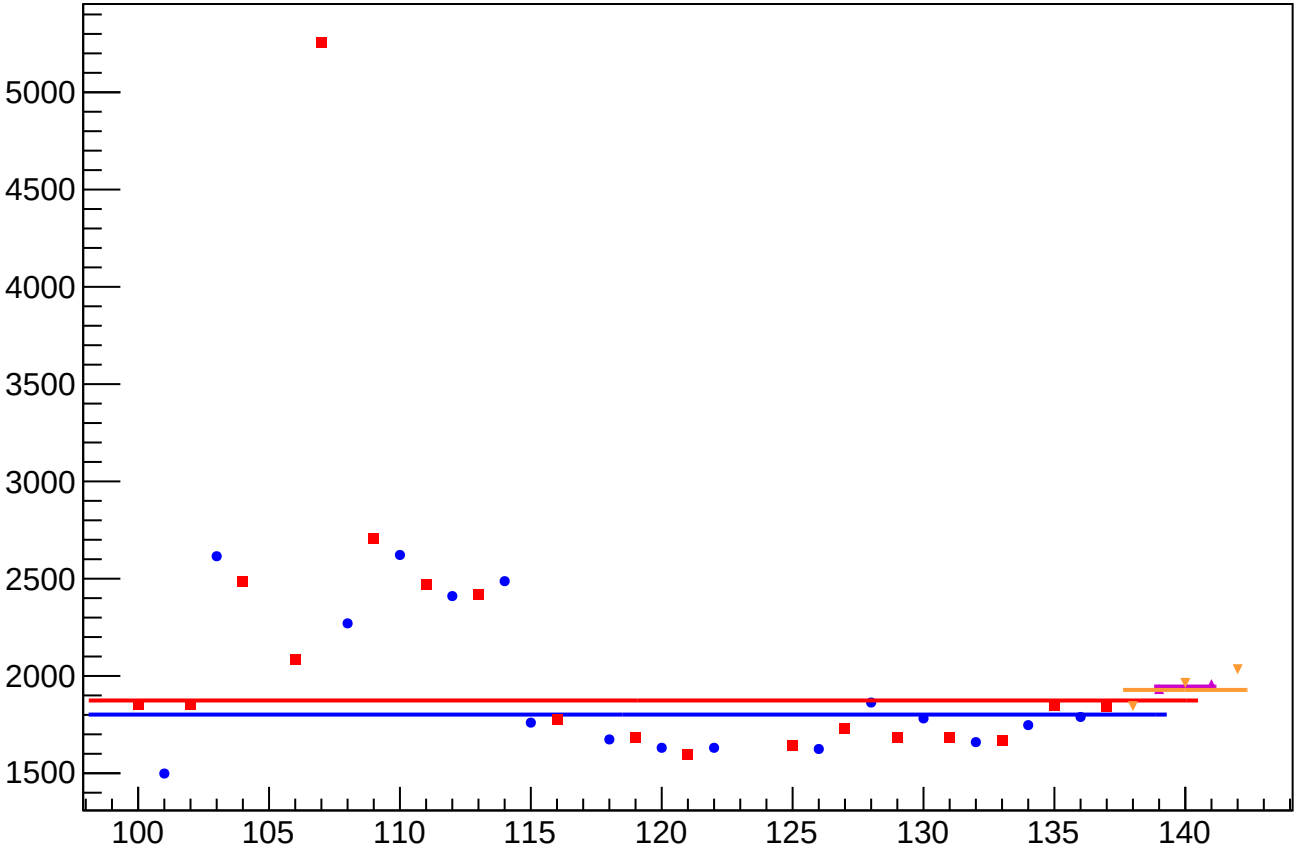
Left In: -937.183+/-1482.495 χ^2/NDF:0.0/1

+ sign 2015.022+/-606.055 χ^2/NDF: 13.9/18

All: 232.986+/-439.407 χ^2/NDF: 55.9/38

- sign -1741.904+/-638.006 χ^2/NDF: 23.8/19

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1928.313+/-0.951 χ^2/NDF:6138.2/2

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

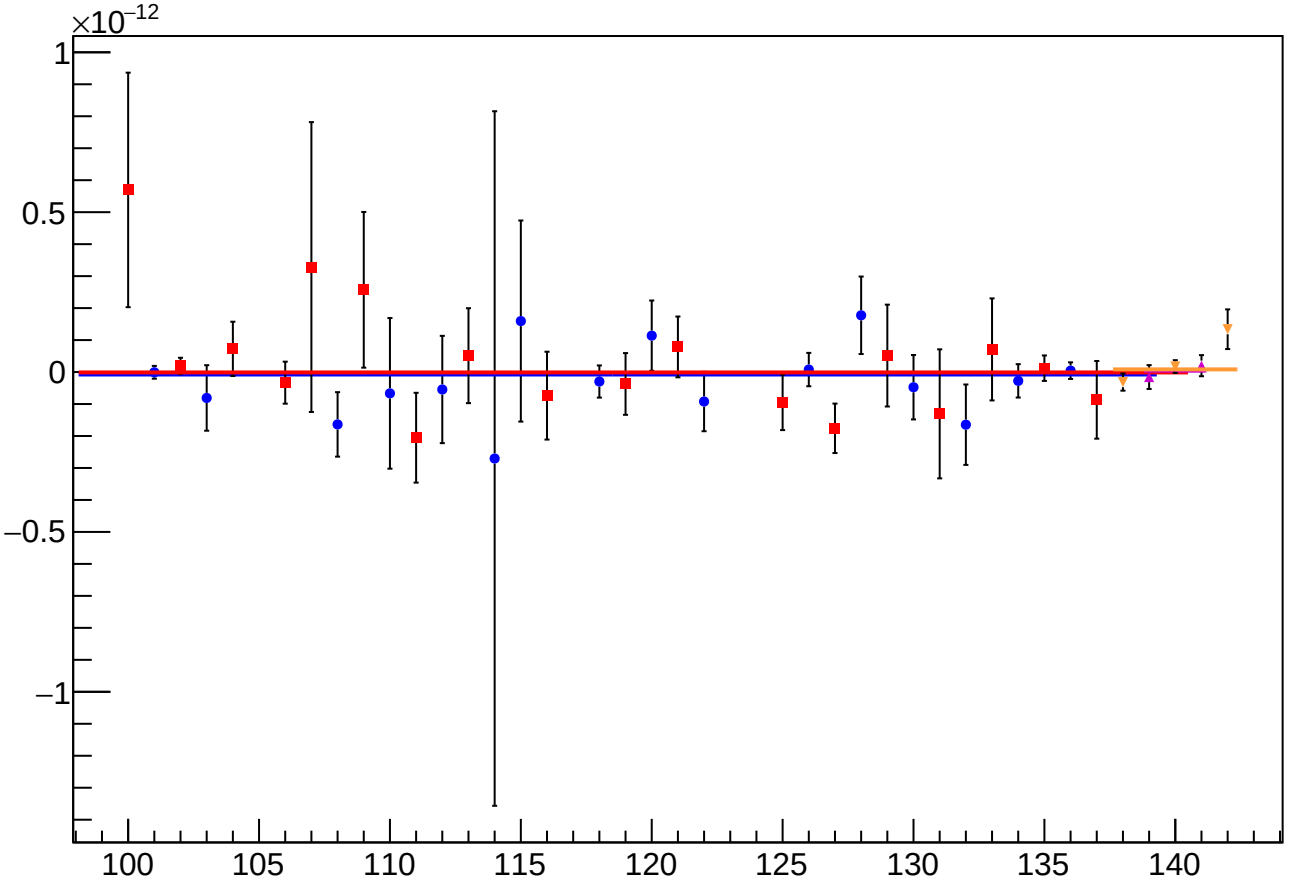
Left In: 1945.606+/-1.048 χ^2/NDF:144.7/1

+ sign 1827.290+/-0.429 χ^2/NDF: 421011.3/18

All: 1855.727+/-0.311 χ^2/NDF: 1004152.8/38

- sign 1887.243+/-0.451 χ^2/NDF: 573858.0/19

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/2

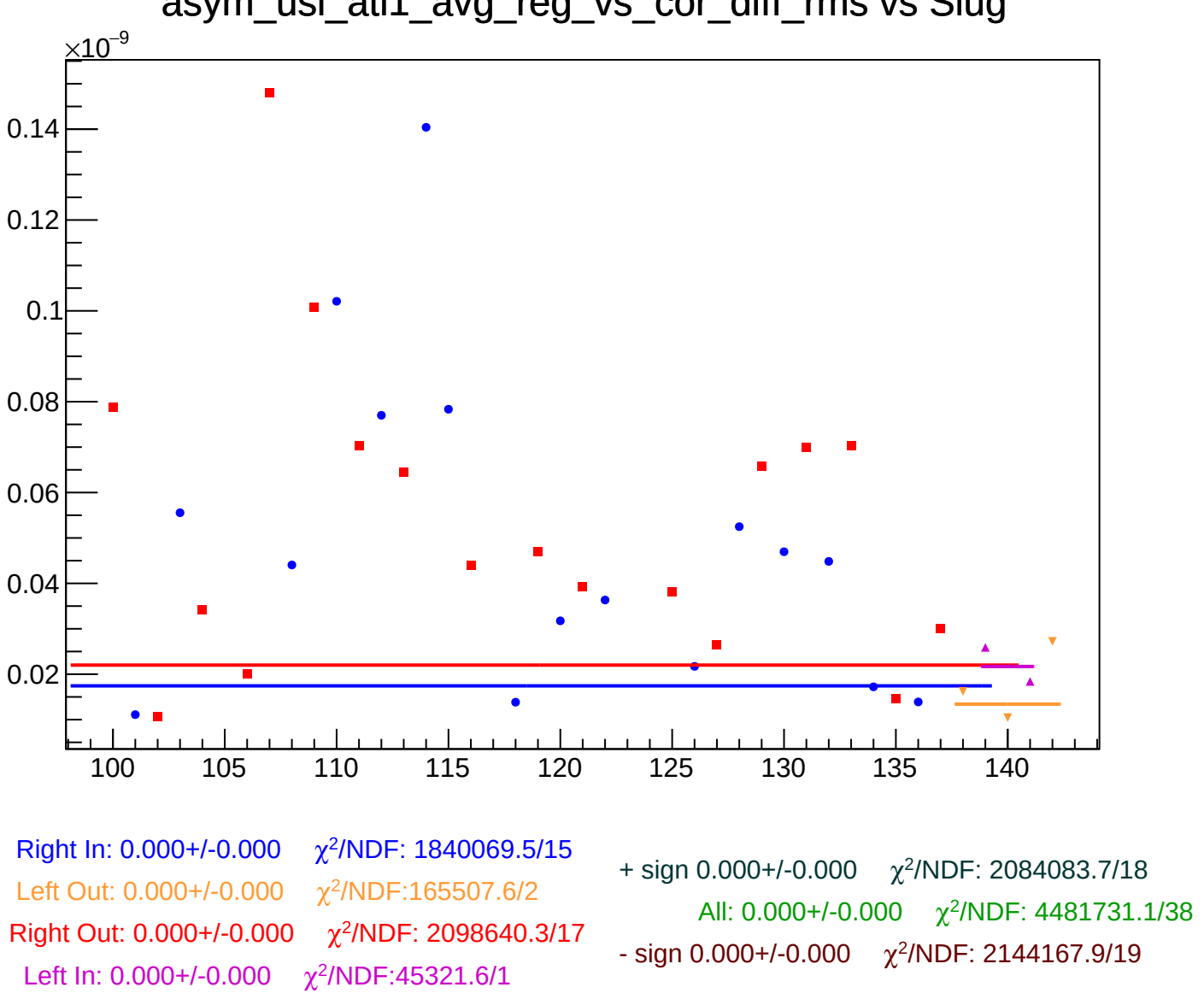
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

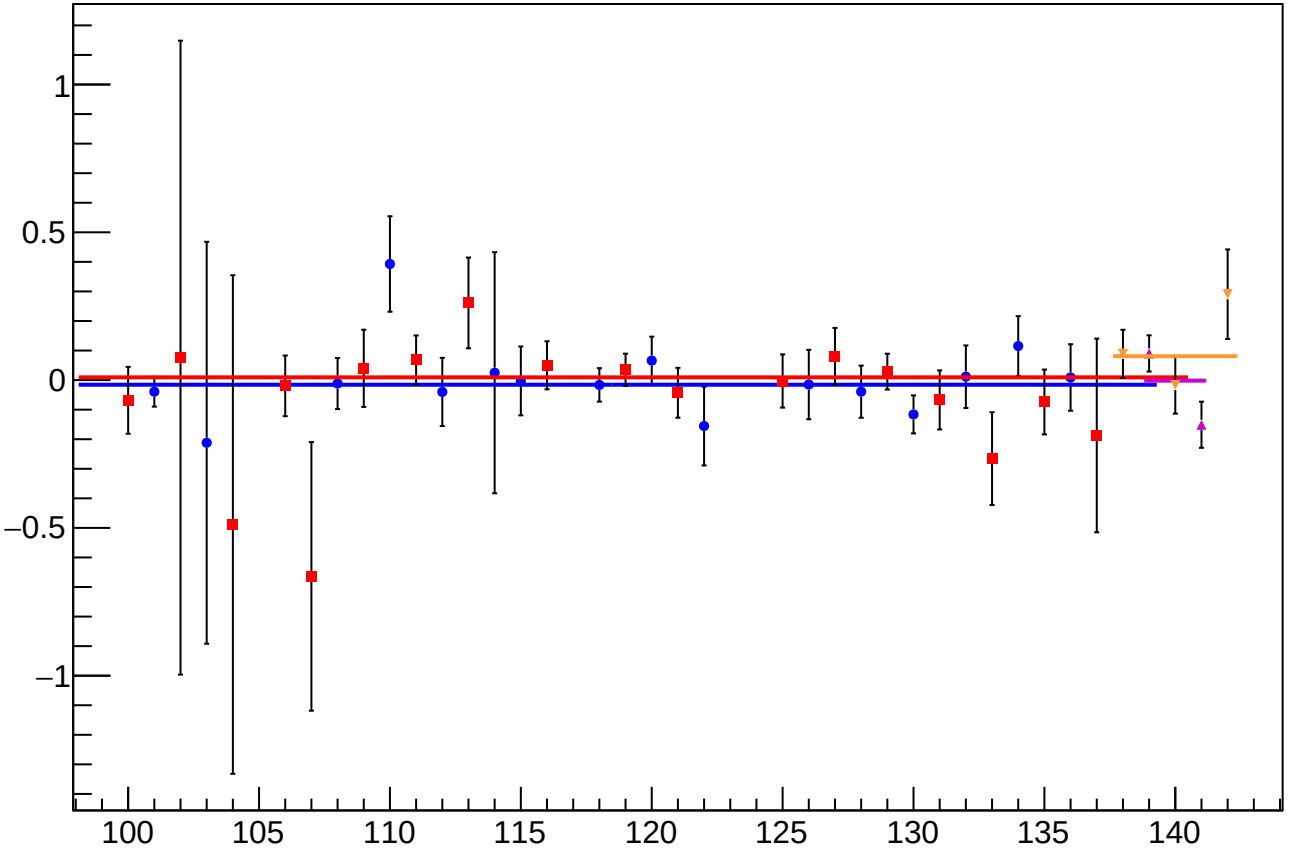
+ sign -0.000+/-0.000 χ^2/NDF: 17.4/18

All: -0.000+/-0.000 χ^2/NDF: 34.6/38

- sign 0.000+/-0.000 χ^2/NDF: 17.2/19


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:165507.6/2
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:45321.6/1
+ sign 0.000+/-0.000 χ²/NDF: 2084083.7/18
All: 0.000+/-0.000 χ²/NDF: 4481731.1/38
- sign 0.000+/-0.000 χ²/NDF: 2144167.9/19

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: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

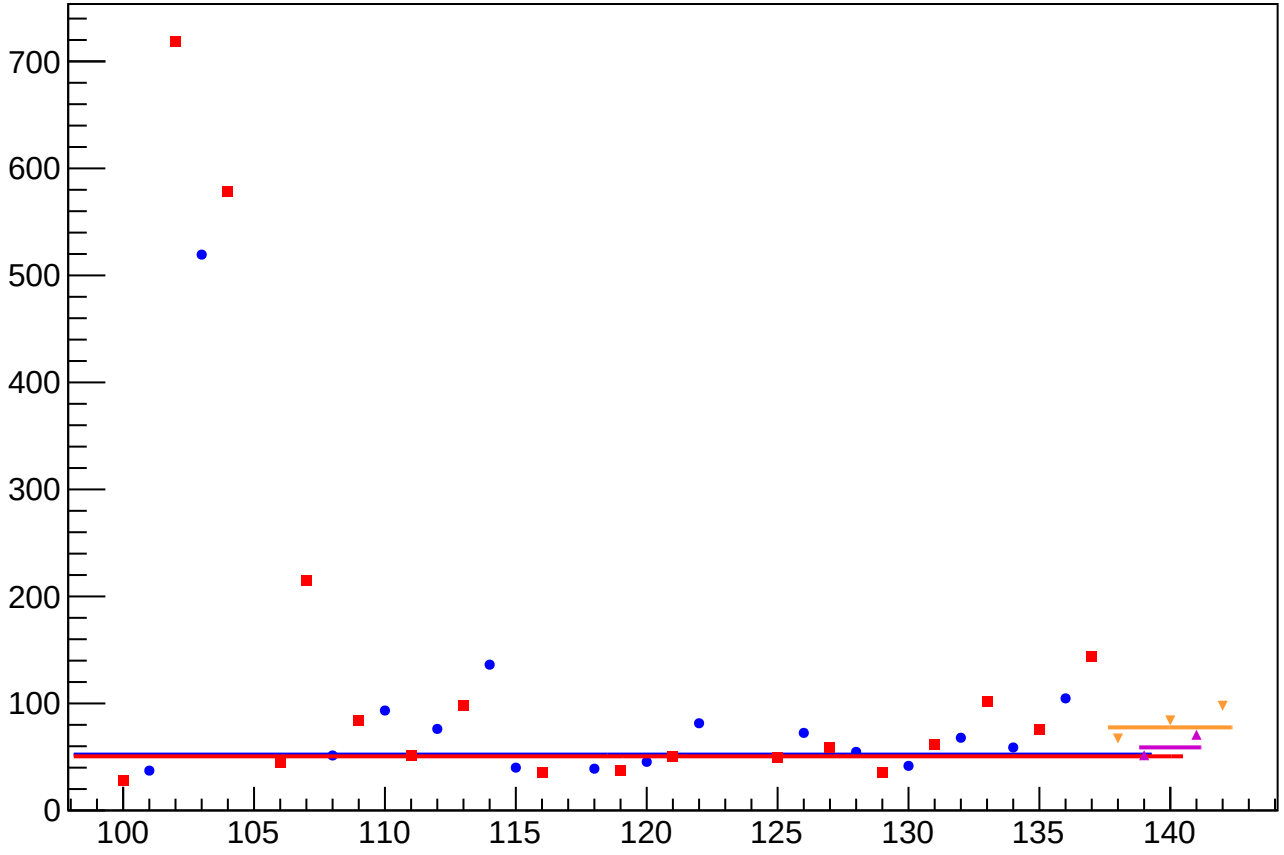
Left In: -0.002+/-0.048 χ^2/NDF:5.9/1

+ sign -0.003+/-0.021 χ^2/NDF: 18.5/18

All: 0.002+/-0.015 χ^2/NDF: 37.1/38

- sign 0.007+/-0.021 χ^2/NDF: 18.4/19

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: 77.627+/-0.041 χ^2/NDF:77150.8/2

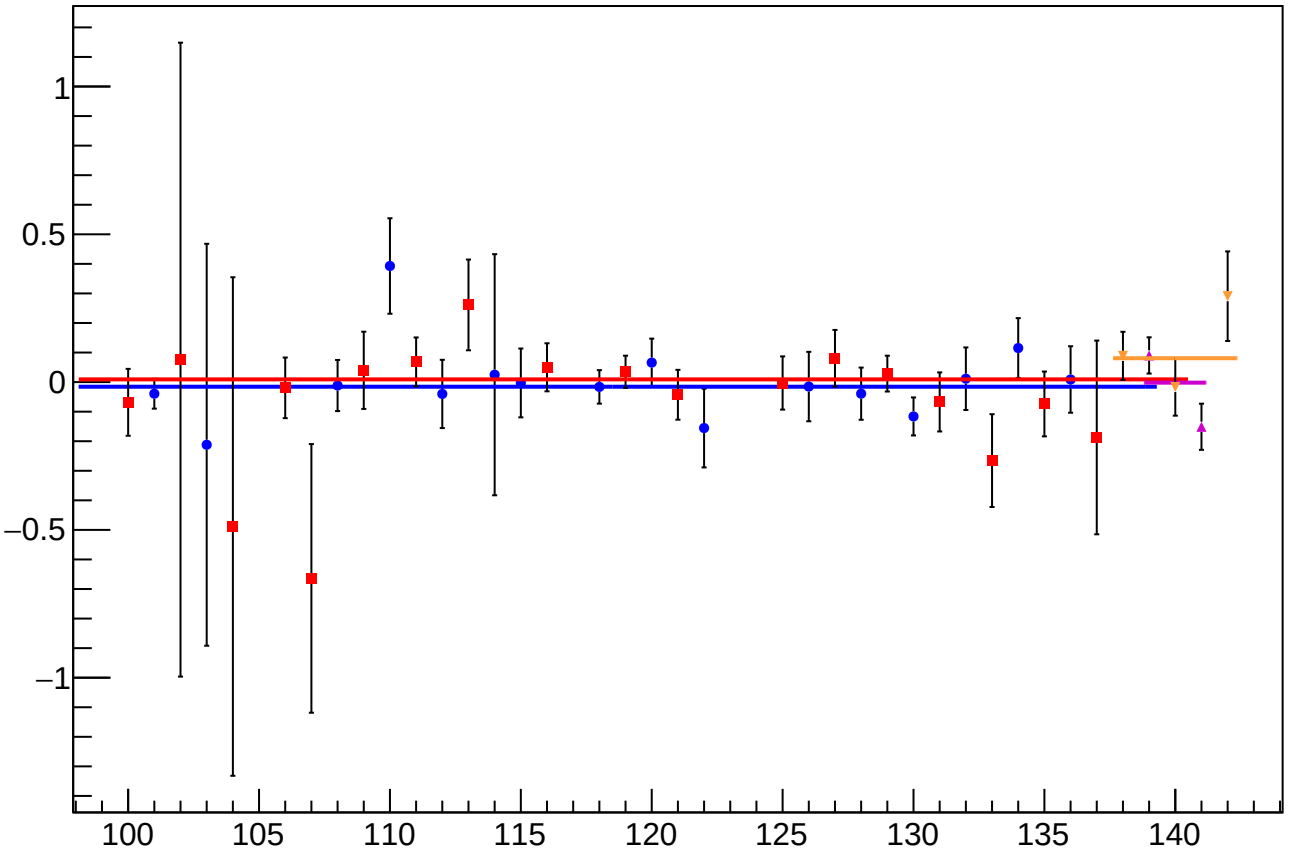
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 58.932+/-0.034 χ^2/NDF:74358.6/1

+ sign 55.587+/-0.015 χ^2/NDF: 2681033.5/18

All: 53.900+/-0.011 χ^2/NDF: 5880905.5/38

- sign 52.195+/-0.015 χ^2/NDF: 3174123.5/19



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

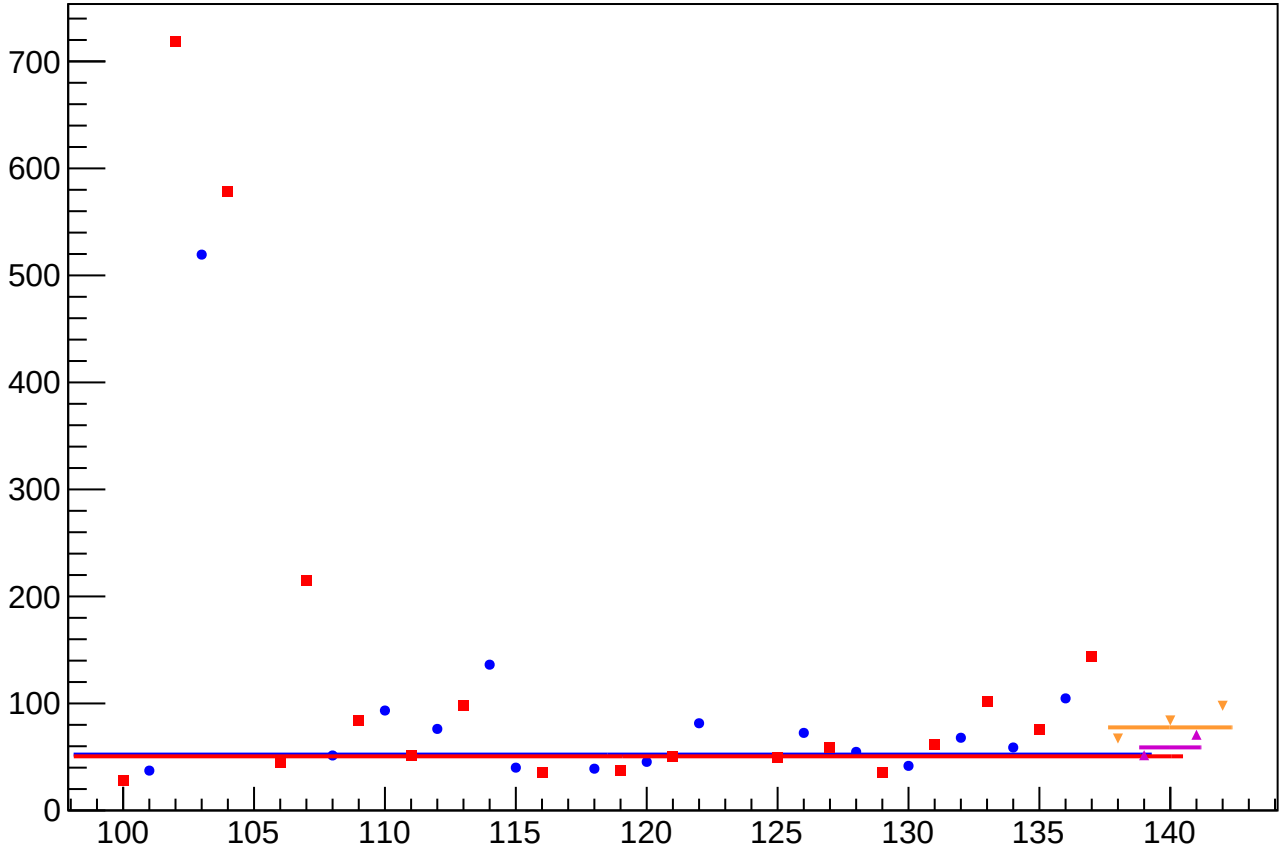
Left In: -0.002+/-0.048 χ^2/NDF:5.9/1

\+ sign -0.003+/-0.021 χ^2/NDF: 18.5/18

All: 0.002+/-0.015 χ^2/NDF: 37.1/38

\- sign 0.007+/-0.021 χ^2/NDF: 18.4/19

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 77.627+/-0.041 χ^2/NDF:77150.8/2

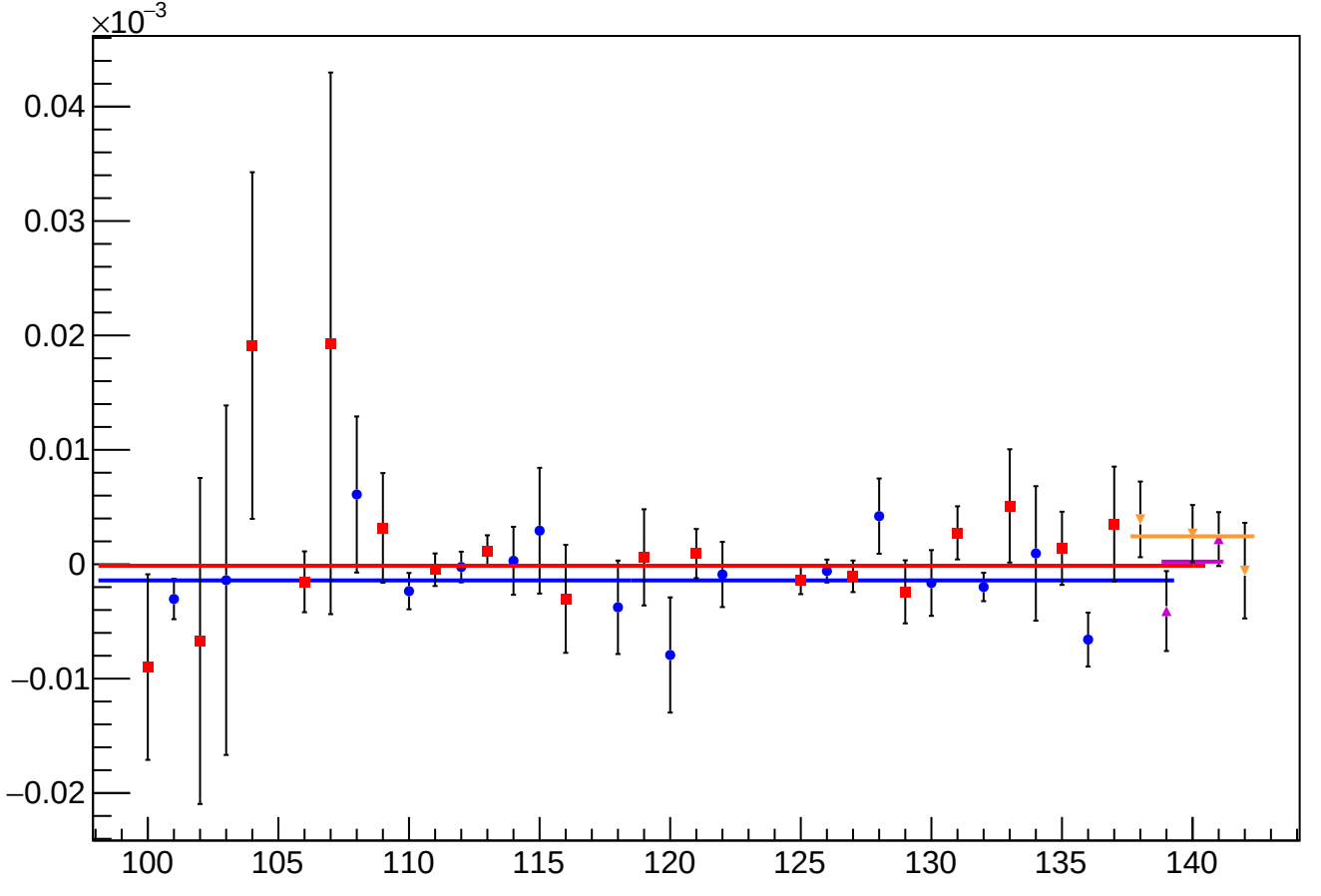
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 58.932+/-0.034 χ^2/NDF:74358.6/1

+ sign 55.587+/-0.015 χ^2/NDF: 2681033.5/18

All: 53.900+/-0.011 χ^2/NDF: 5880905.5/38

- sign 52.195+/-0.015 χ^2/NDF: 3174123.5/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/2

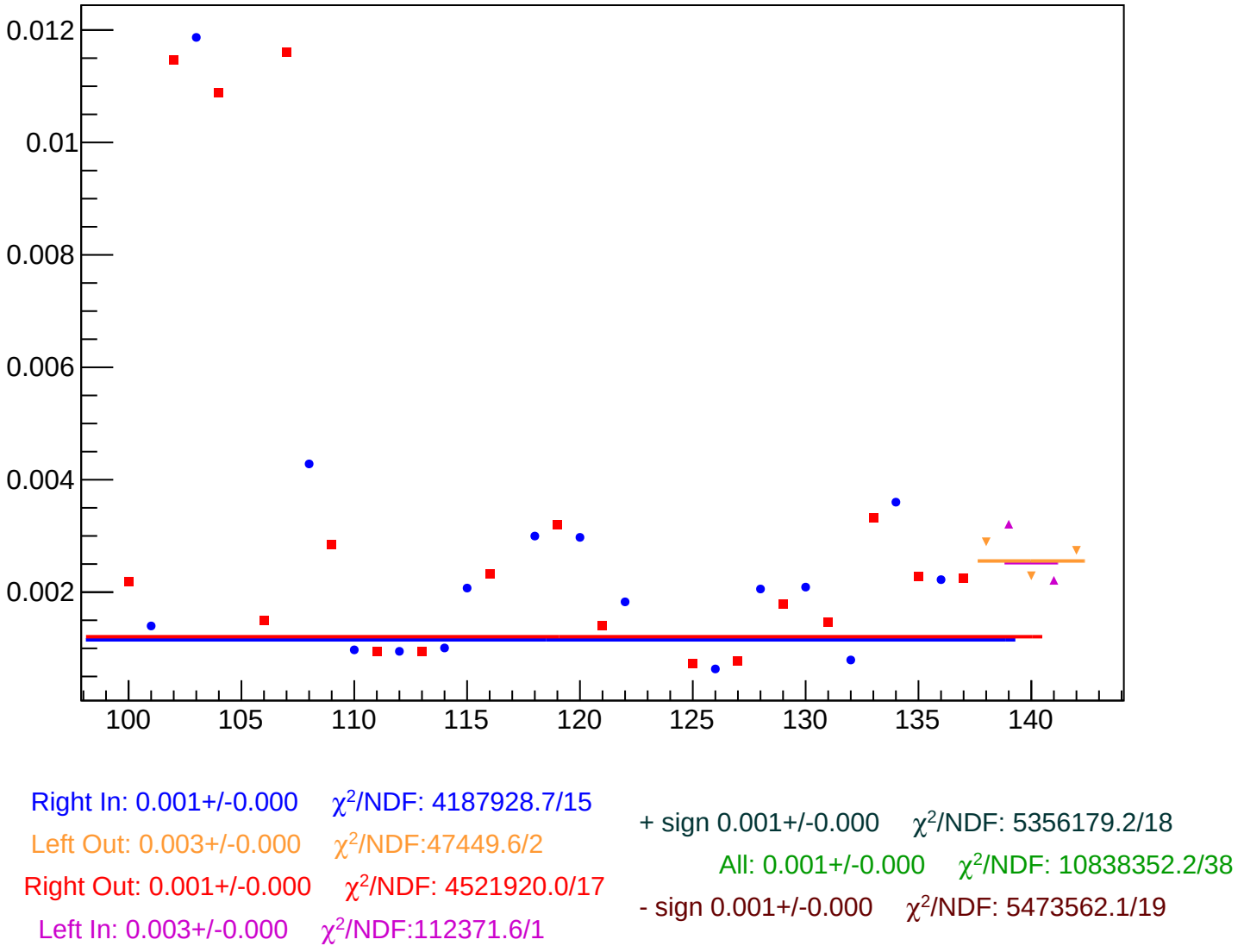
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

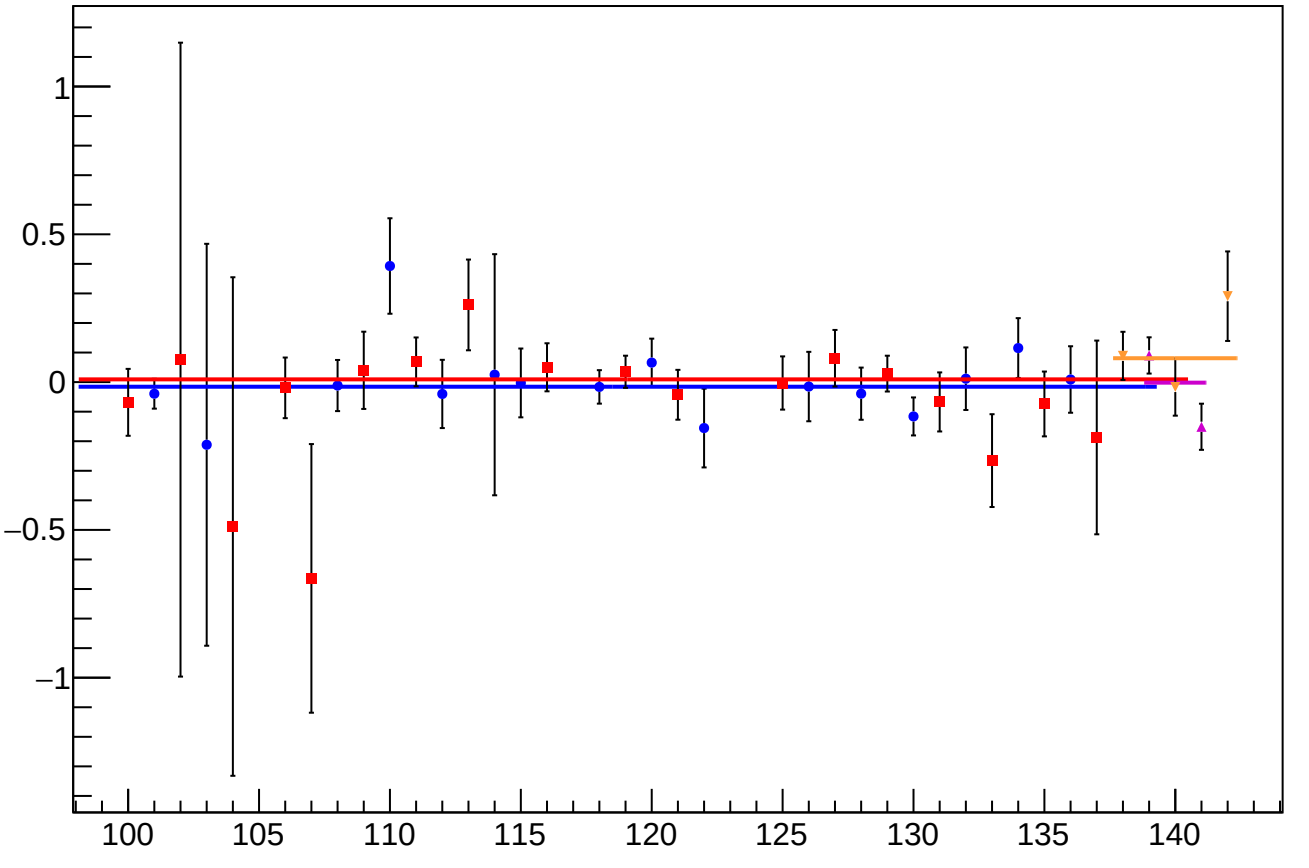
Left In: 0.000+/-0.000 χ^2/NDF:2.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/18

All: -0.000+/-0.000 χ^2/NDF: 35.7/38

- sign -0.000+/-0.000 χ^2/NDF: 13.9/19


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
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.003+/-0.000 χ²/NDF:47449.6/2
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.003+/-0.000 χ²/NDF:112371.6/1
+ sign 0.001+/-0.000 χ²/NDF: 5356179.2/18
All: 0.001+/-0.000 χ²/NDF: 10838352.2/38
- sign 0.001+/-0.000 χ²/NDF: 5473562.1/19



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

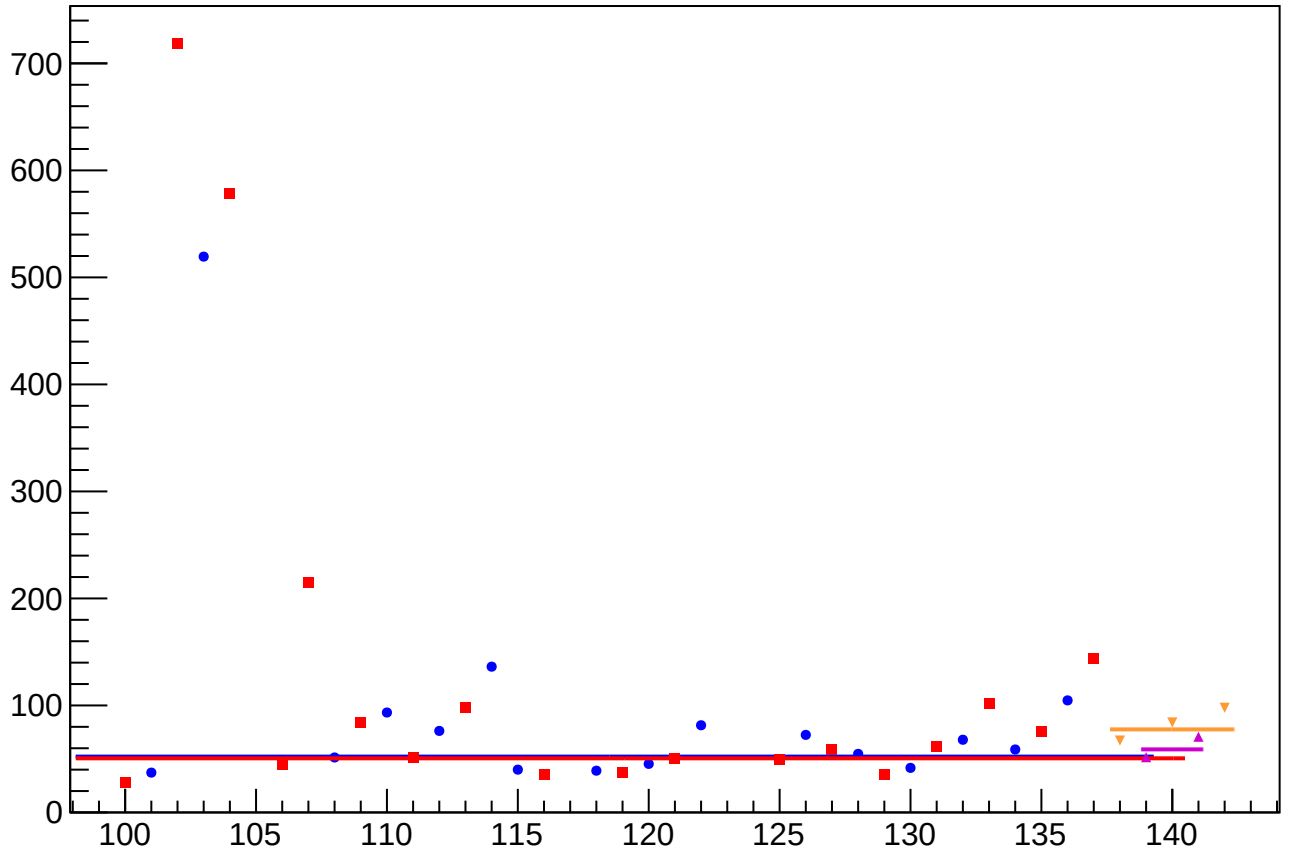
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.002+/-0.048 χ^2/NDF:5.9/1

+ sign -0.003+/-0.021 χ^2/NDF: 18.5/18

All: 0.002+/-0.015 χ^2/NDF: 37.1/38

- sign 0.007+/-0.021 χ^2/NDF: 18.4/19



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 77.626+/-0.041 χ^2/NDF:77154.5/2

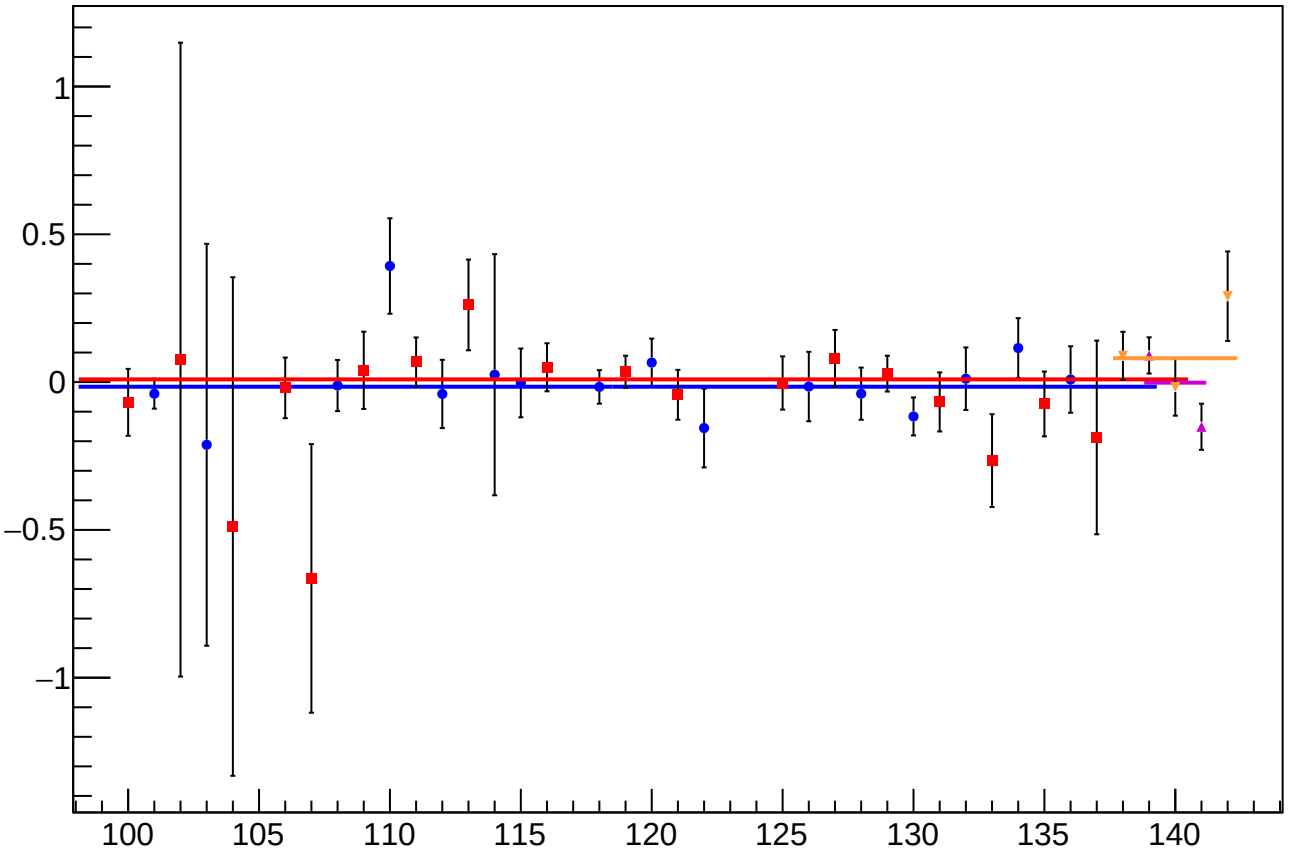
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 58.932+/-0.034 χ^2/NDF:74358.3/1

+ sign 55.587+/-0.015 χ^2/NDF: 2681027.6/18

All: 53.900+/-0.011 χ^2/NDF: 5880886.9/38

- sign 52.195+/-0.015 χ^2/NDF: 3174109.3/19



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

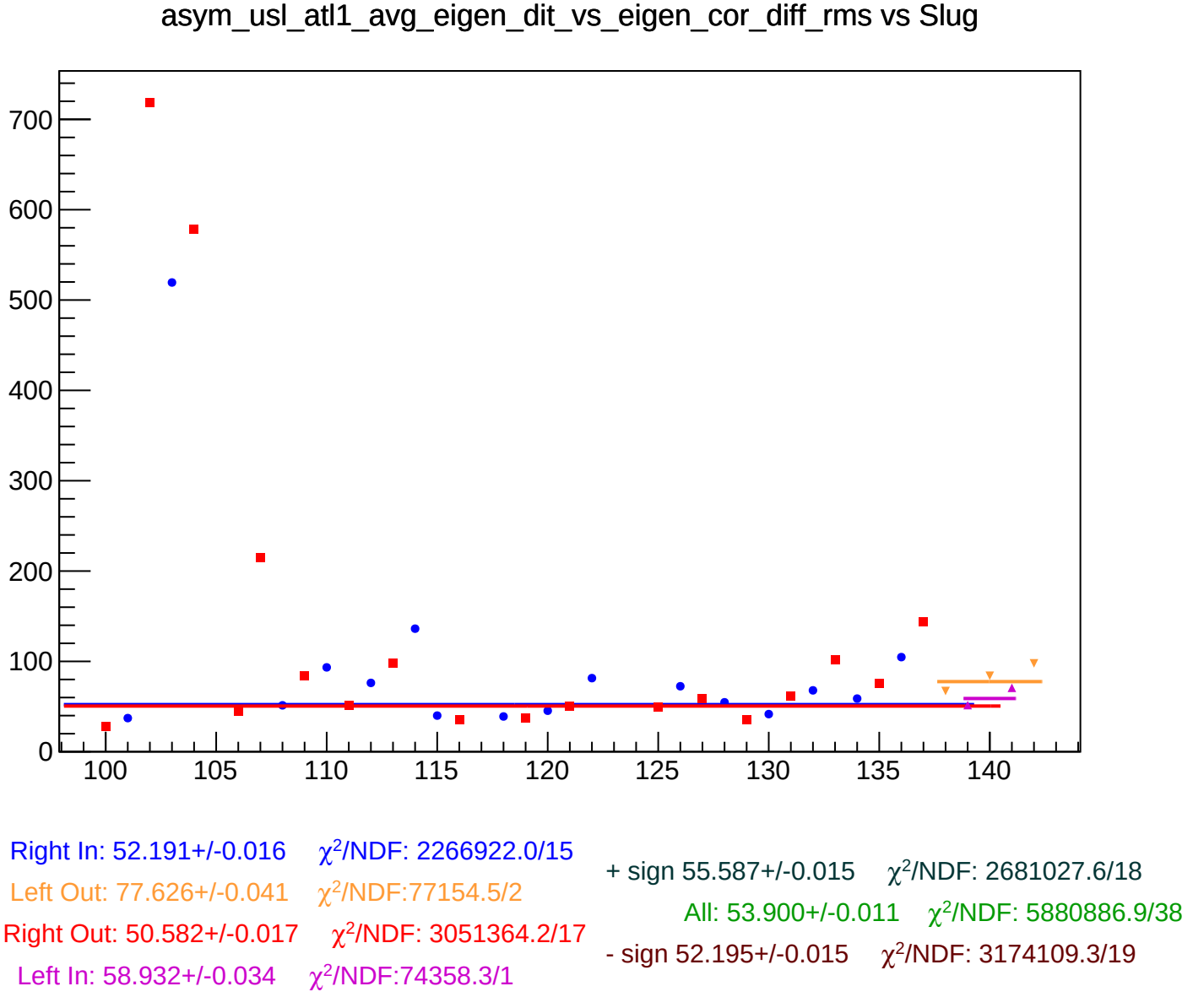
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

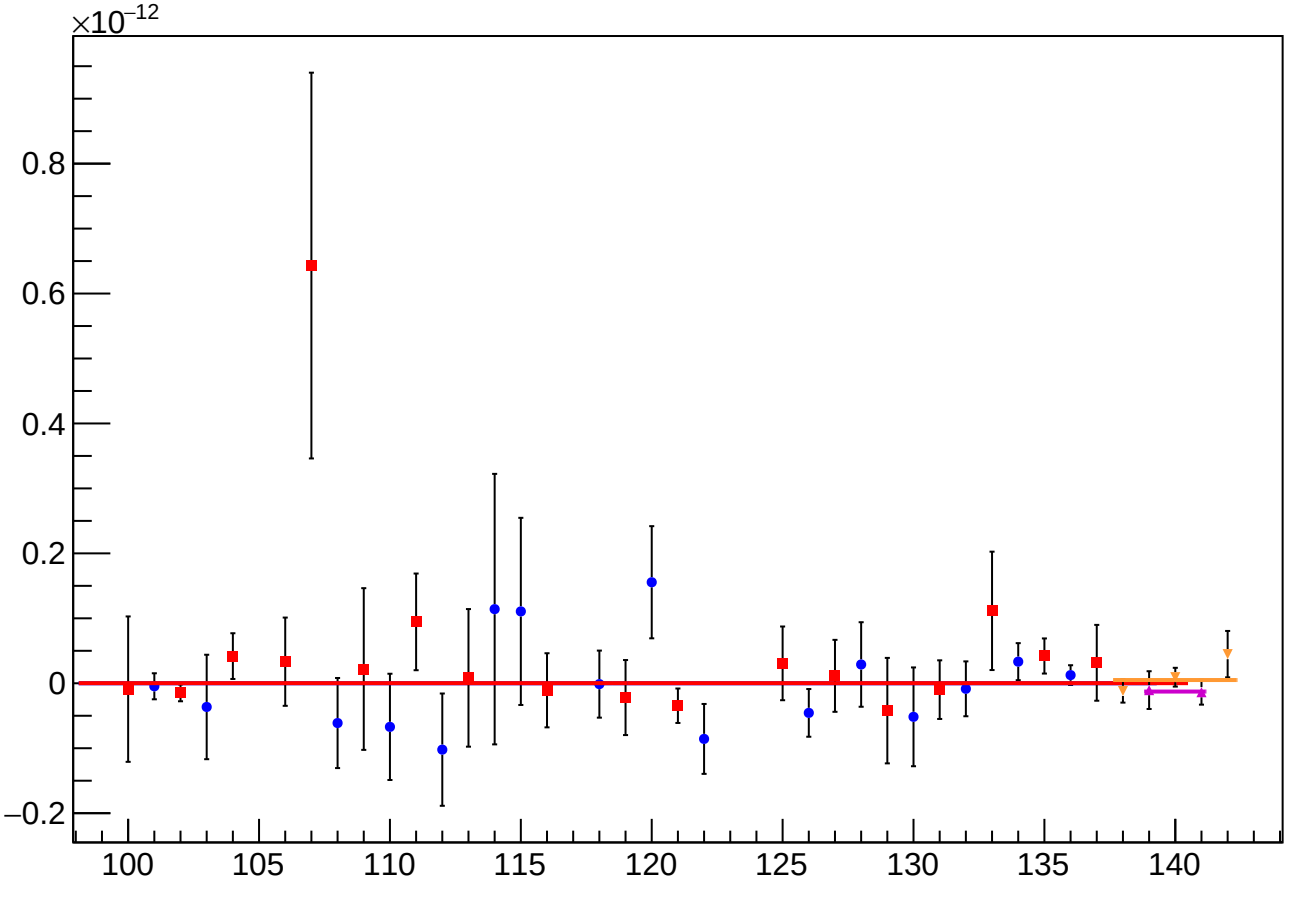
Left In: -0.002+/-0.048 χ^2/NDF:5.9/1

+ sign -0.003+/-0.021 χ^2/NDF: 18.5/18

All: 0.002+/-0.015 χ^2/NDF: 37.1/38

- sign 0.007+/-0.021 χ^2/NDF: 18.4/19


asym_usl_atl1_avg_eigen_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
Right In: 52.191+/-0.016 χ²/NDF: 2266922.0/15
Left Out: 77.626+/-0.041 χ²/NDF:77154.5/2
Right Out: 50.582+/-0.017 χ²/NDF: 3051364.2/17
Left In: 58.932+/-0.034 χ²/NDF:74358.3/1
+ sign 55.587+/-0.015 χ²/NDF: 2681027.6/18
All: 53.900+/-0.011 χ²/NDF: 5880886.9/38
- sign 52.195+/-0.015 χ²/NDF: 3174109.3/19



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/2

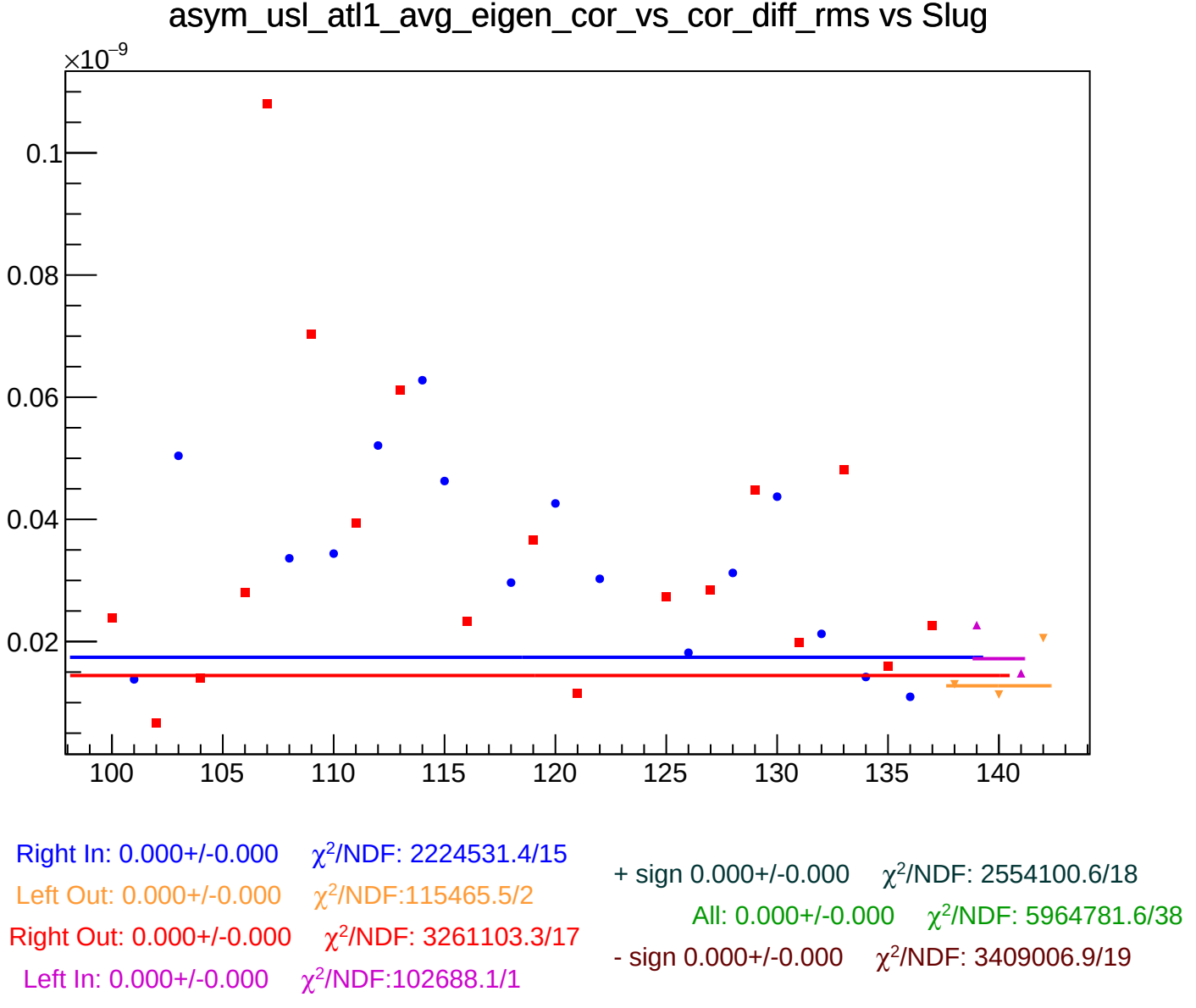
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

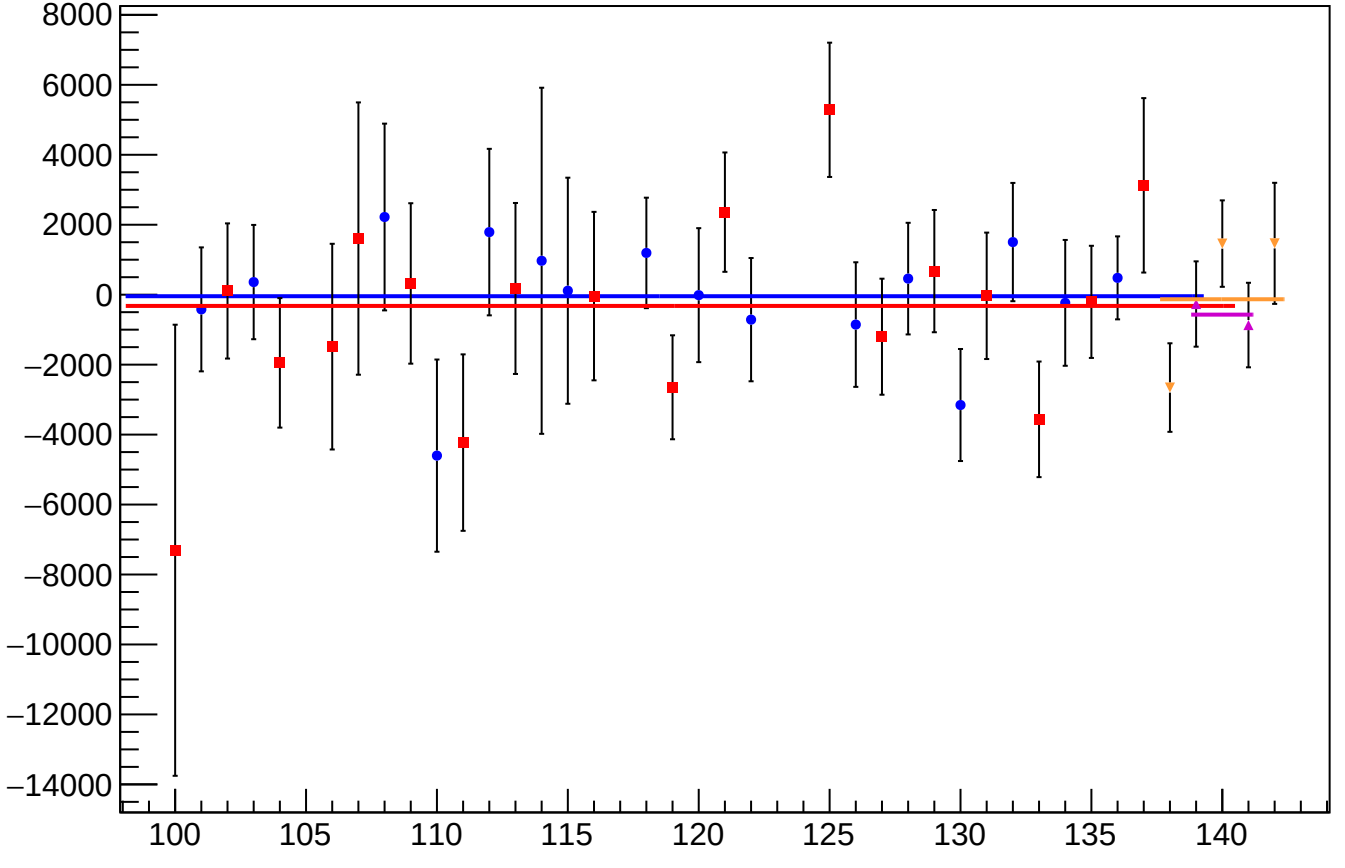
+ sign 0.000+/-0.000 χ^2/NDF: 16.4/18

All: -0.000+/-0.000 χ^2/NDF: 33.2/38

- sign -0.000+/-0.000 χ^2/NDF: 16.5/19


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
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:115465.5/2
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:102688.1/1
+ sign 0.000+/-0.000 χ²/NDF: 2554100.6/18
All: 0.000+/-0.000 χ²/NDF: 5964781.6/38
- sign 0.000+/-0.000 χ²/NDF: 3409006.9/19

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.460+/-787.409 χ^2/NDF:6.5/2

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

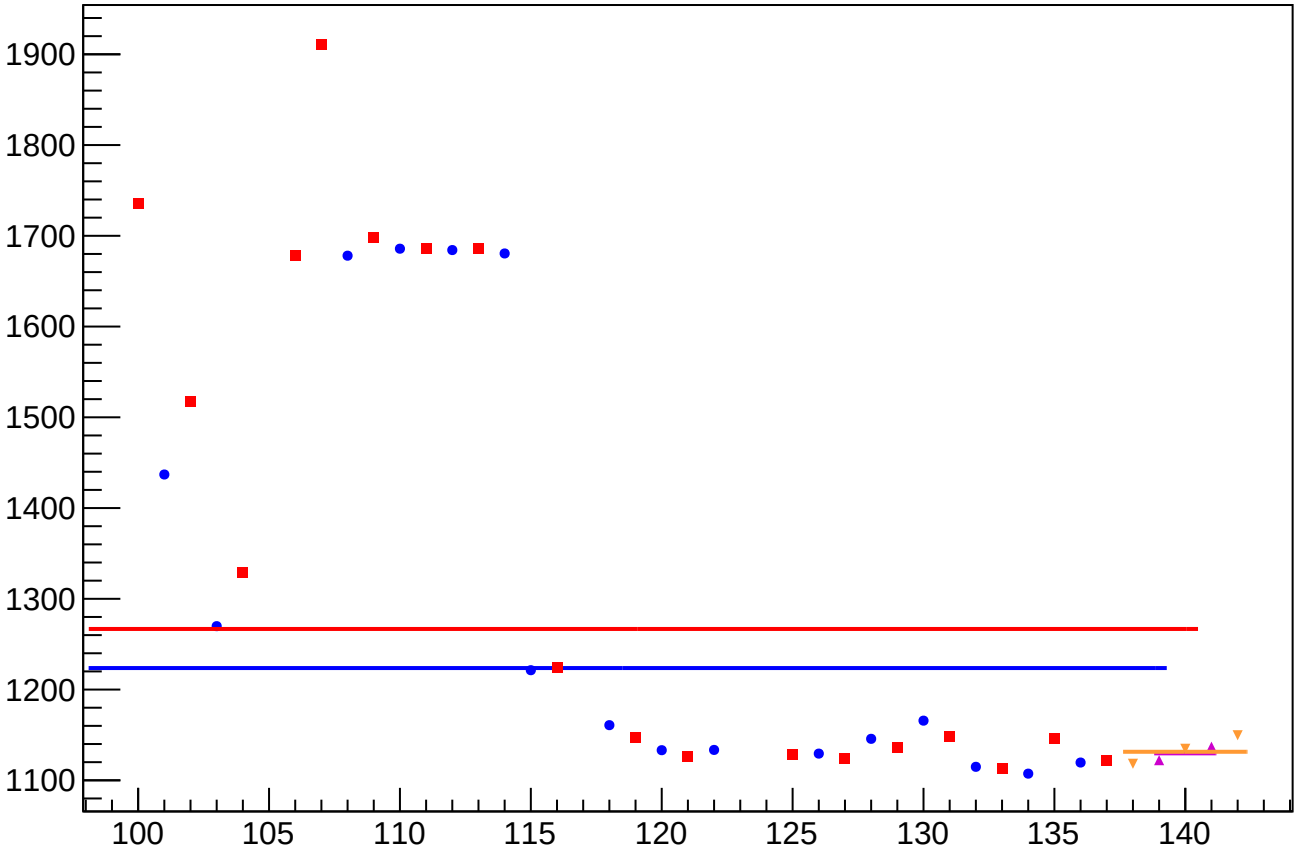
Left In: -570.101+/-858.507 χ^2/NDF:0.1/1

+ sign -65.706+/-396.688 χ^2/NDF: 16.6/18

All: -215.343+/-286.948 χ^2/NDF: 41.9/38

- sign -379.576+/-415.584 χ^2/NDF: 25.0/19

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF:453.2/2

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

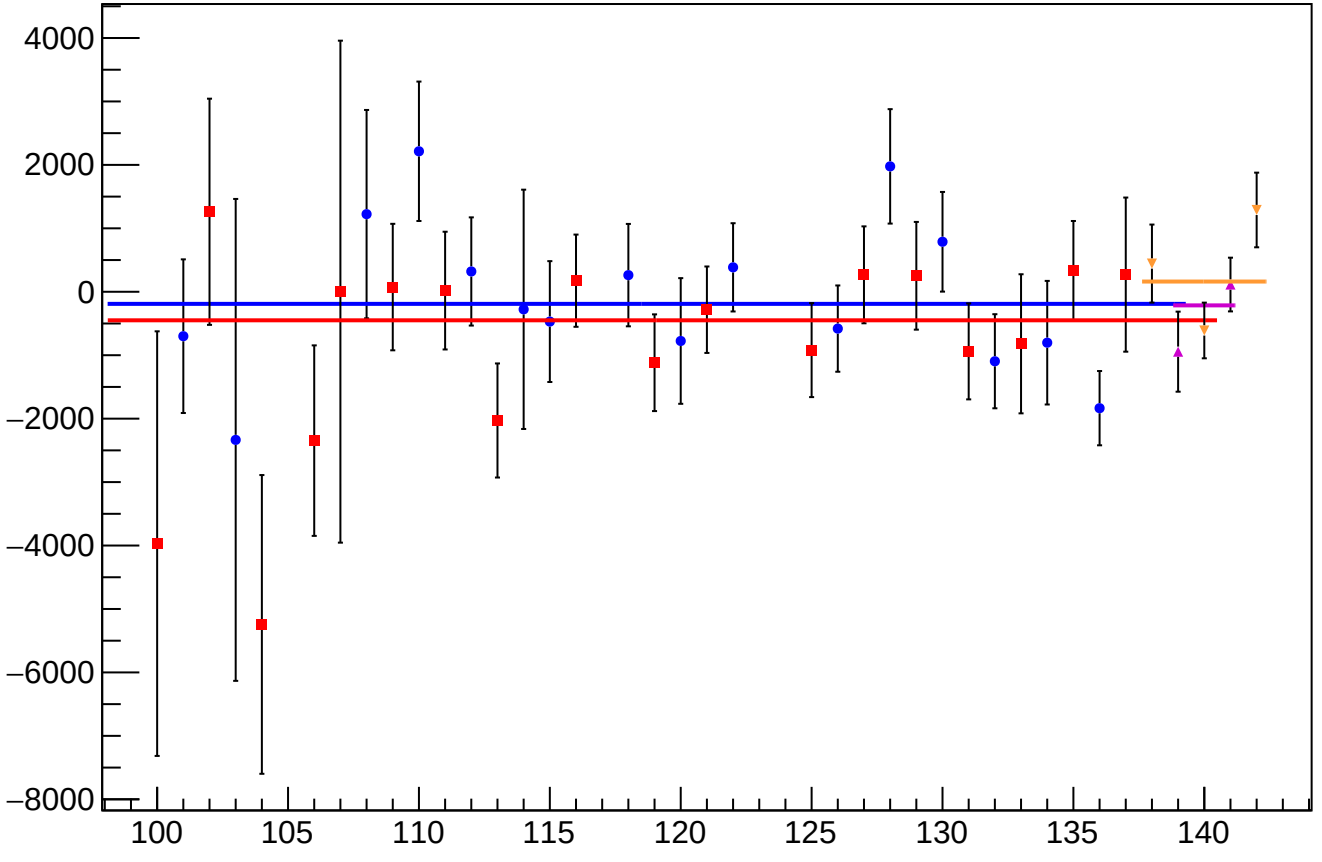
Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

+ sign 1200.289+/-0.281 χ^2/NDF: 315907.7/18

All: 1216.676+/-0.203 χ^2/NDF: 795097.2/38

- sign 1234.660+/-0.294 χ^2/NDF: 472031.2/19

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: 161.156+/-305.328 χ^2/NDF:7.0/2

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

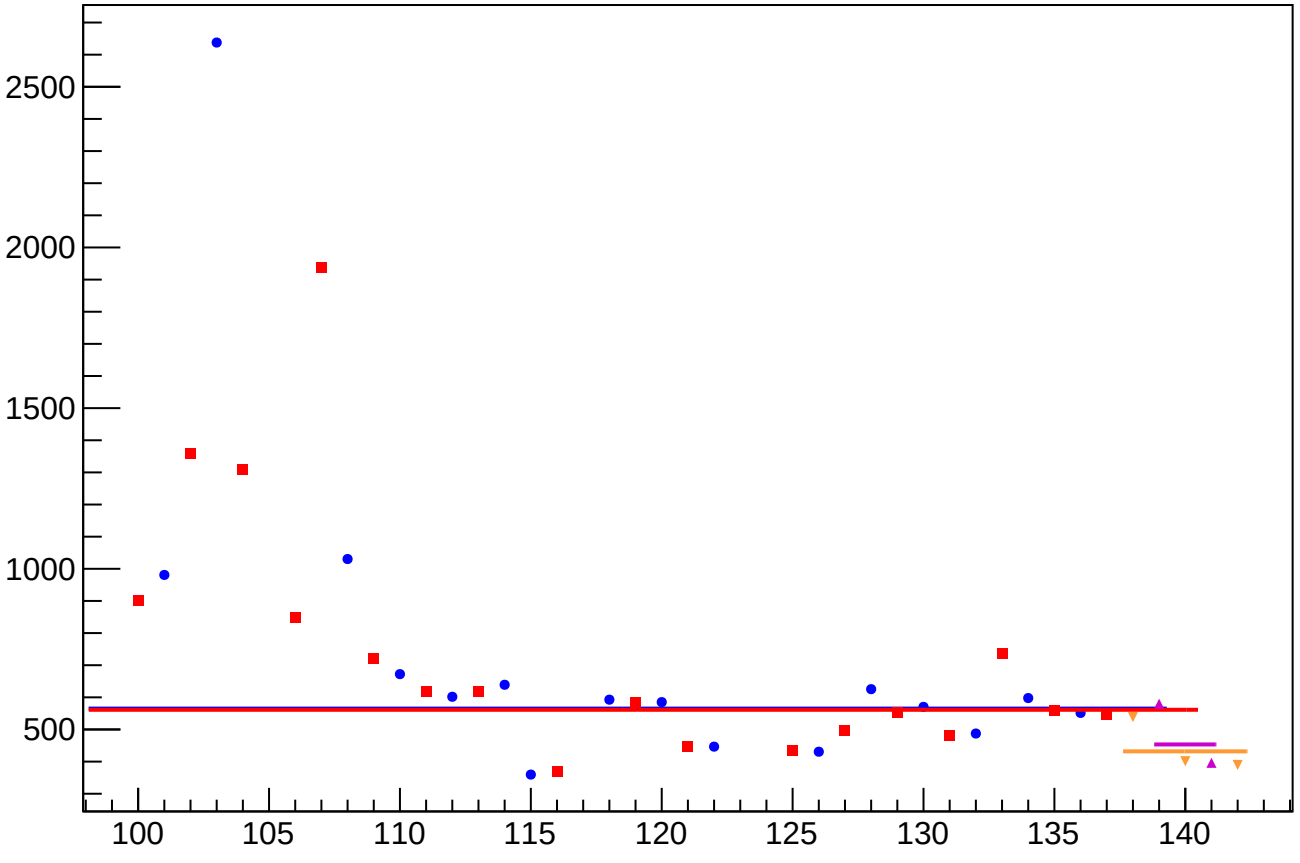
Left In: -214.492+/-351.549 χ^2/NDF:1.9/1

+ sign -68.352+/-180.014 χ^2/NDF: 33.1/18

All: -218.124+/-130.163 χ^2/NDF: 53.6/38

- sign -382.230+/-188.431 χ^2/NDF: 19.1/19

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 431.900+/-0.216 χ^2/NDF:80260.4/2

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

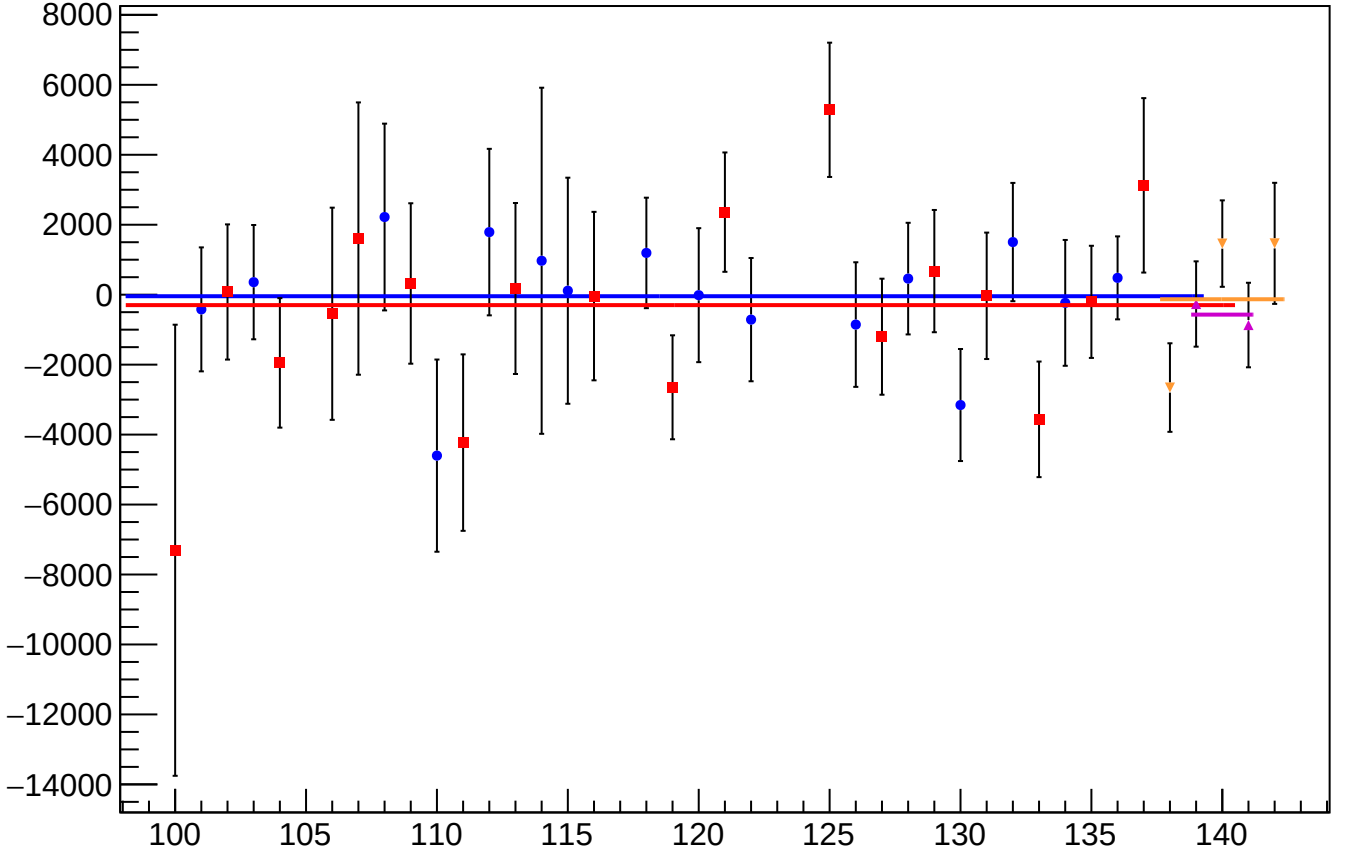
Left In: 453.383+/-0.249 χ^2/NDF:116939.2/1

+ sign 518.708+/-0.127 χ^2/NDF: 1612537.0/18

All: 524.218+/-0.092 χ^2/NDF: 3219823.6/38

- sign 530.255+/-0.133 χ^2/NDF: 1603359.6/19

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.454+/-787.409 χ^2/NDF:6.5/2

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

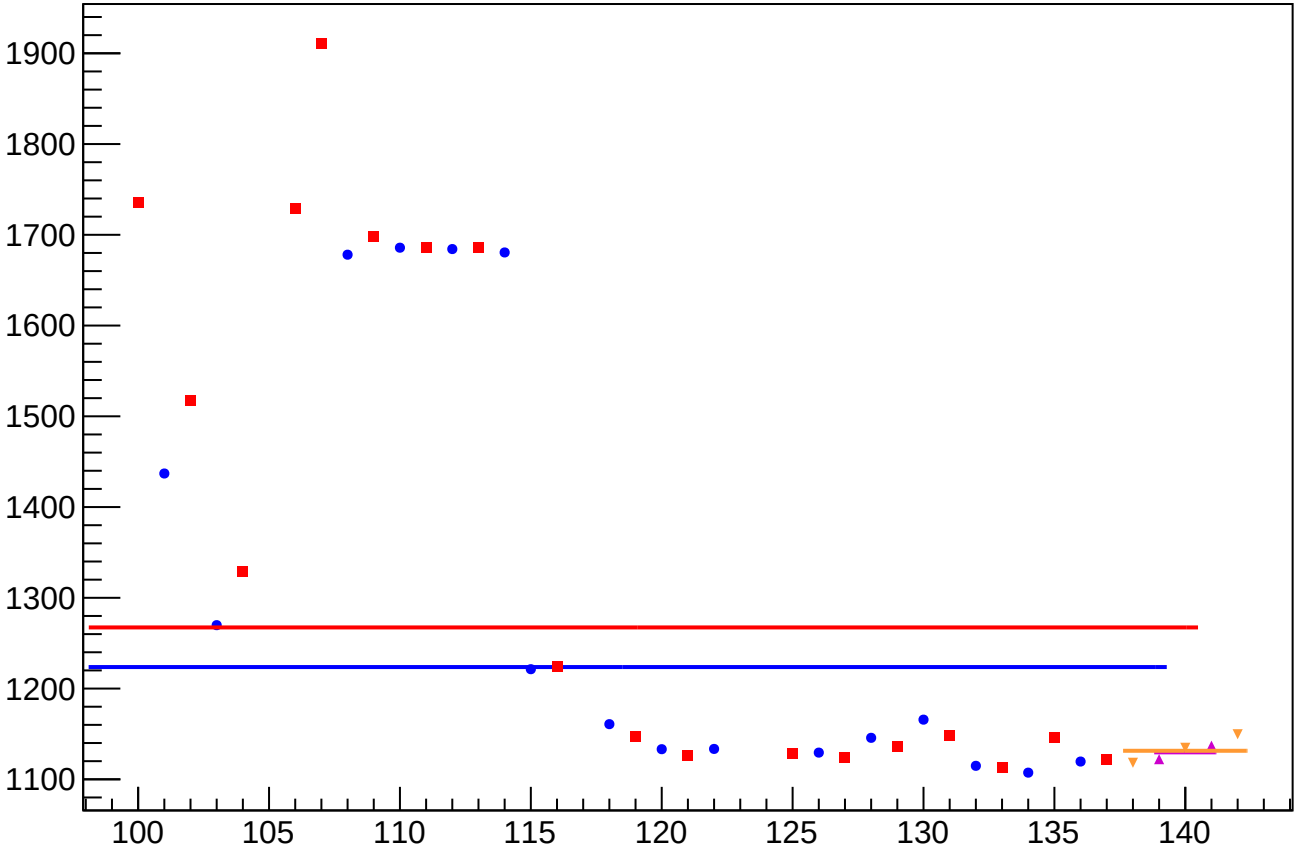
Left In: -569.851+/-858.507 χ^2/NDF:0.1/1

+ sign -65.884+/-396.688 χ^2/NDF: 16.6/18

All: -206.939+/-287.031 χ^2/NDF: 41.7/38

- sign -361.939+/-415.835 χ^2/NDF: 24.8/19

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF:453.2/2

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

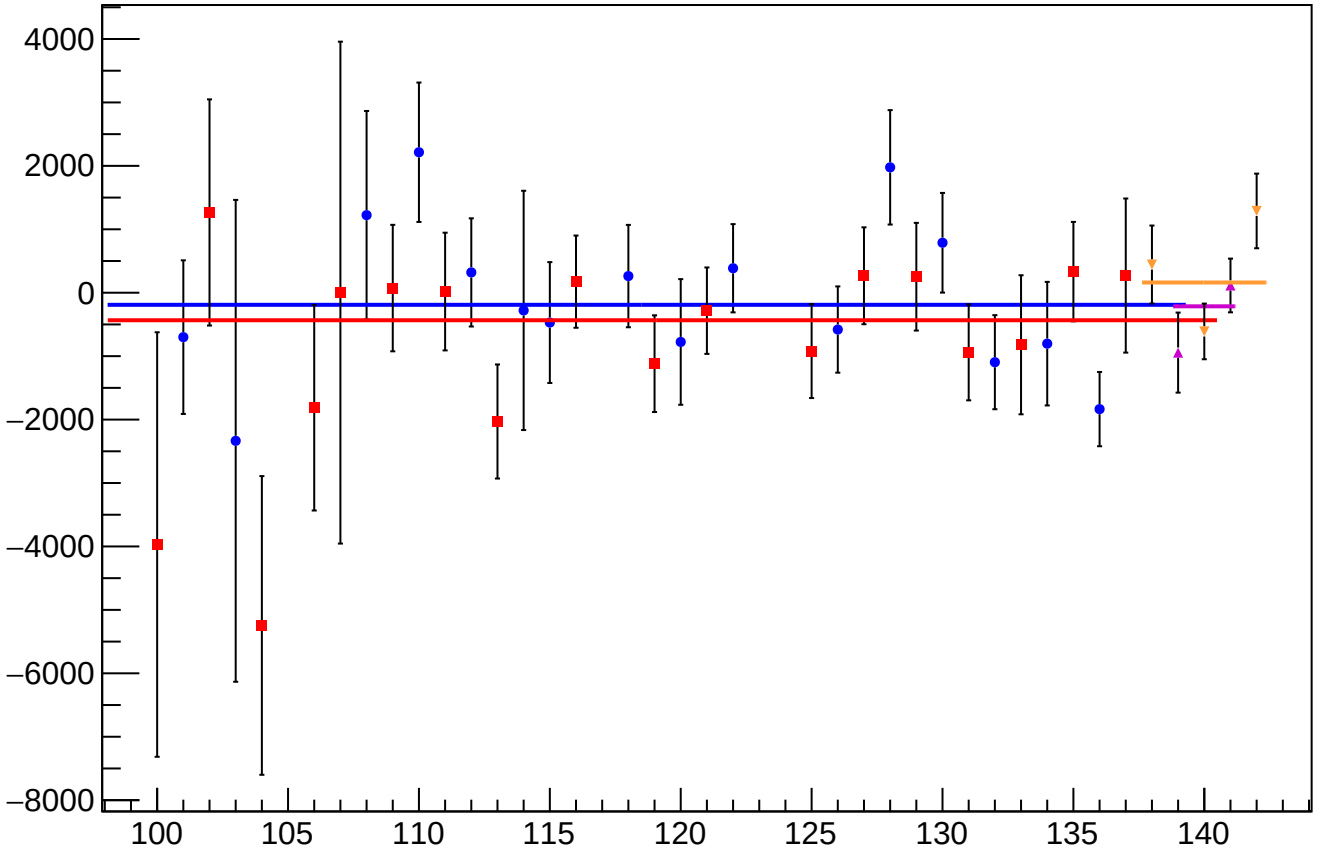
Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

+ sign 1200.289+/-0.281 χ^2/NDF: 315907.7/18

All: 1216.859+/-0.203 χ^2/NDF: 802718.8/38

- sign 1235.068+/-0.294 χ^2/NDF: 479486.6/19

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 161.129+/-305.331 χ^2/NDF:7.0/2

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

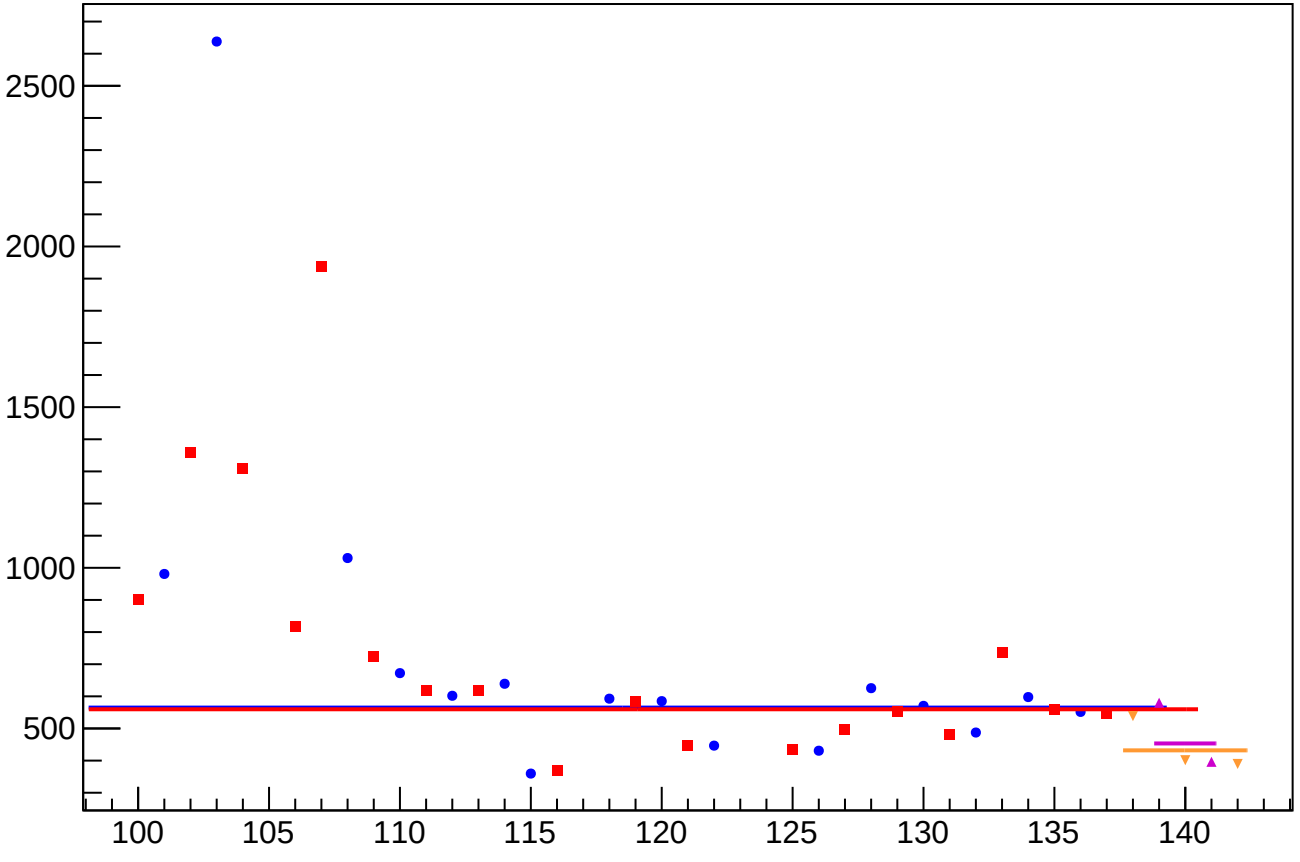
Left In: -214.308+/-351.549 χ^2/NDF:1.9/1

+ sign -68.371+/-180.014 χ^2/NDF: 33.1/18

All: -212.446+/-130.231 χ^2/NDF: 52.6/38

- sign -370.657+/-188.638 χ^2/NDF: 18.2/19

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 431.904+/-0.216 χ^2/NDF:80238.5/2

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

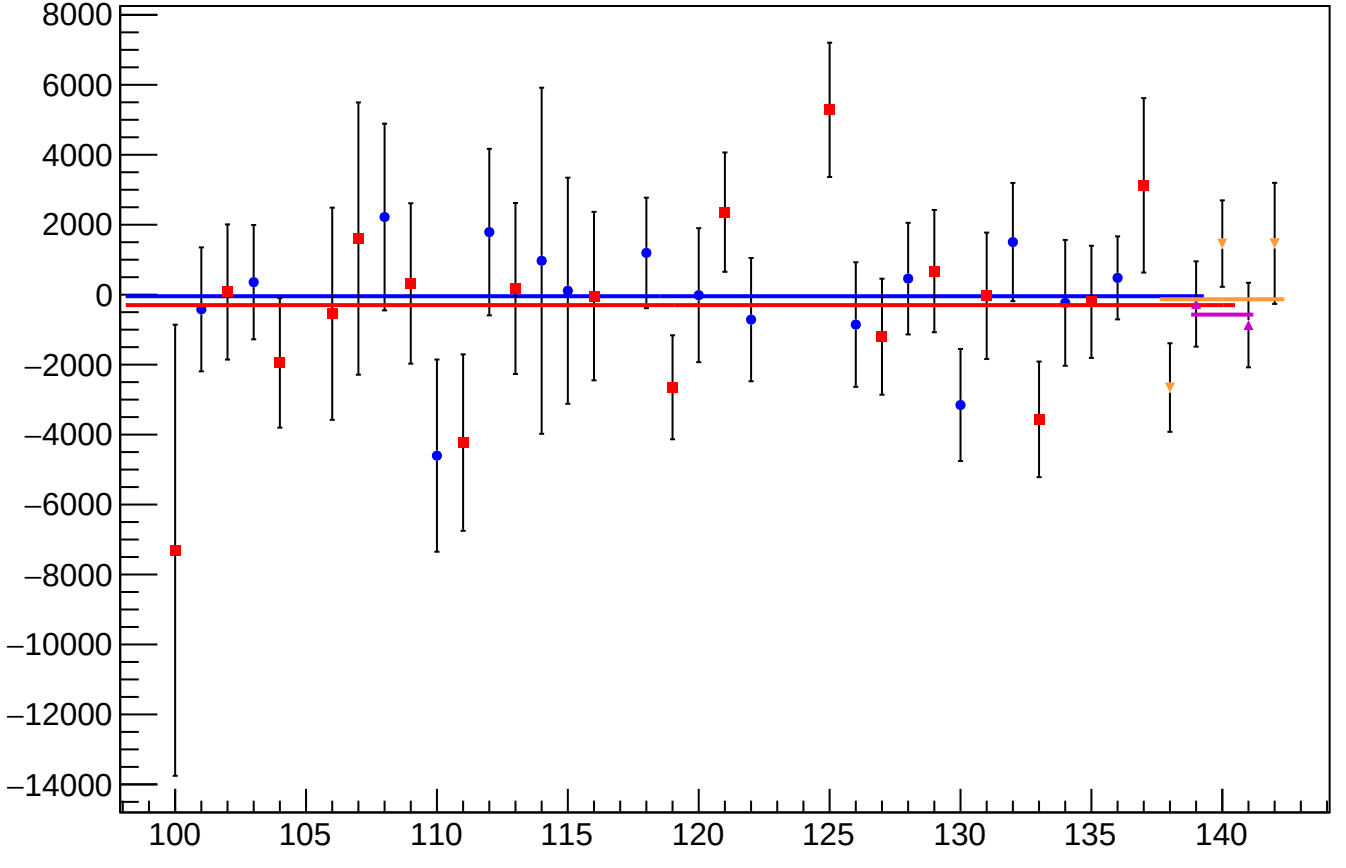
Left In: 453.383+/-0.249 χ^2/NDF:116935.3/1

+ sign 518.707+/-0.127 χ^2/NDF: 1612459.3/18

All: 523.674+/-0.092 χ^2/NDF: 3192340.7/38

- sign 529.129+/-0.133 χ^2/NDF: 1576686.1/19

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.454+/-787.409 χ^2/NDF:6.5/2

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

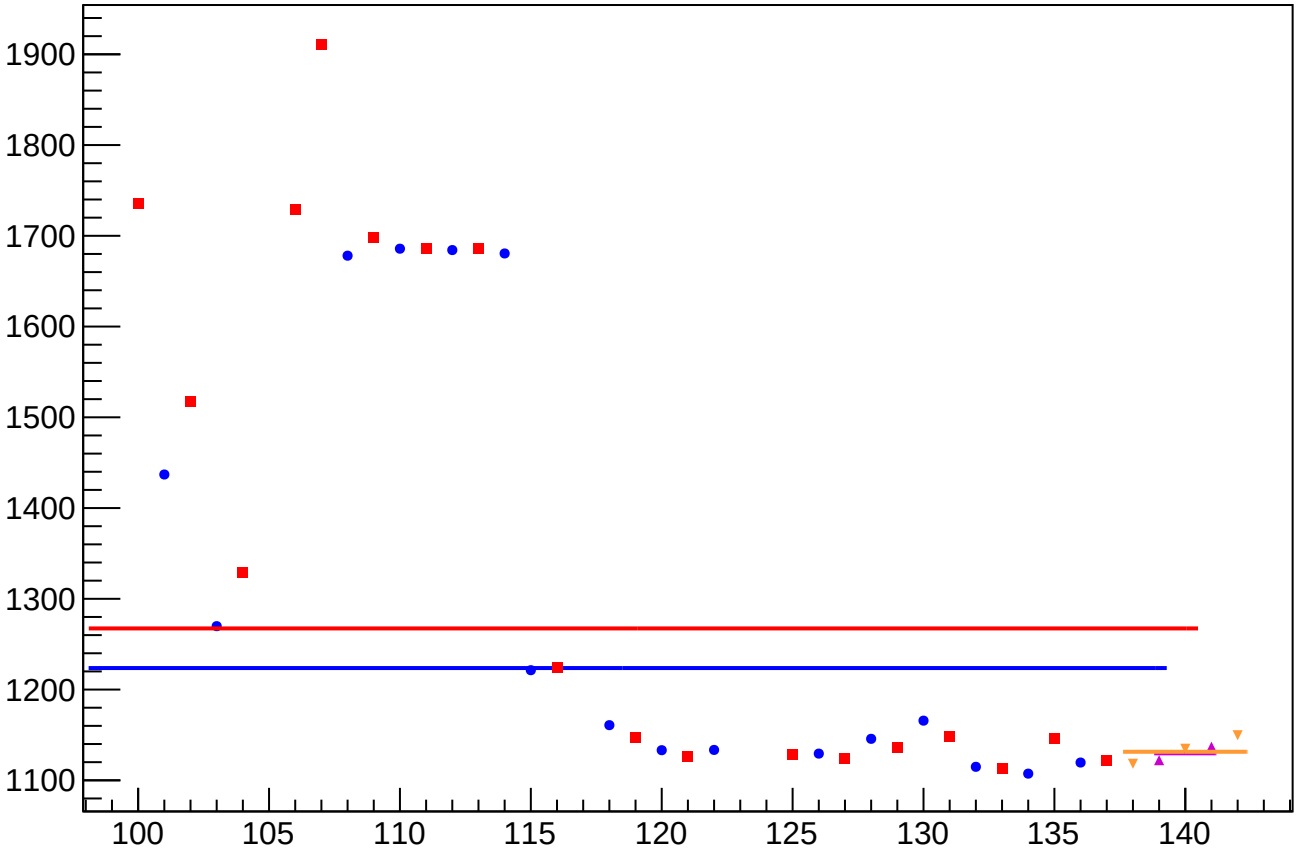
Left In: -569.851+/-858.507 χ^2/NDF:0.1/1

+ sign -65.884+/-396.688 χ^2/NDF: 16.6/18

All: -206.939+/-287.031 χ^2/NDF: 41.7/38

- sign -361.939+/-415.835 χ^2/NDF: 24.8/19

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF:453.2/2

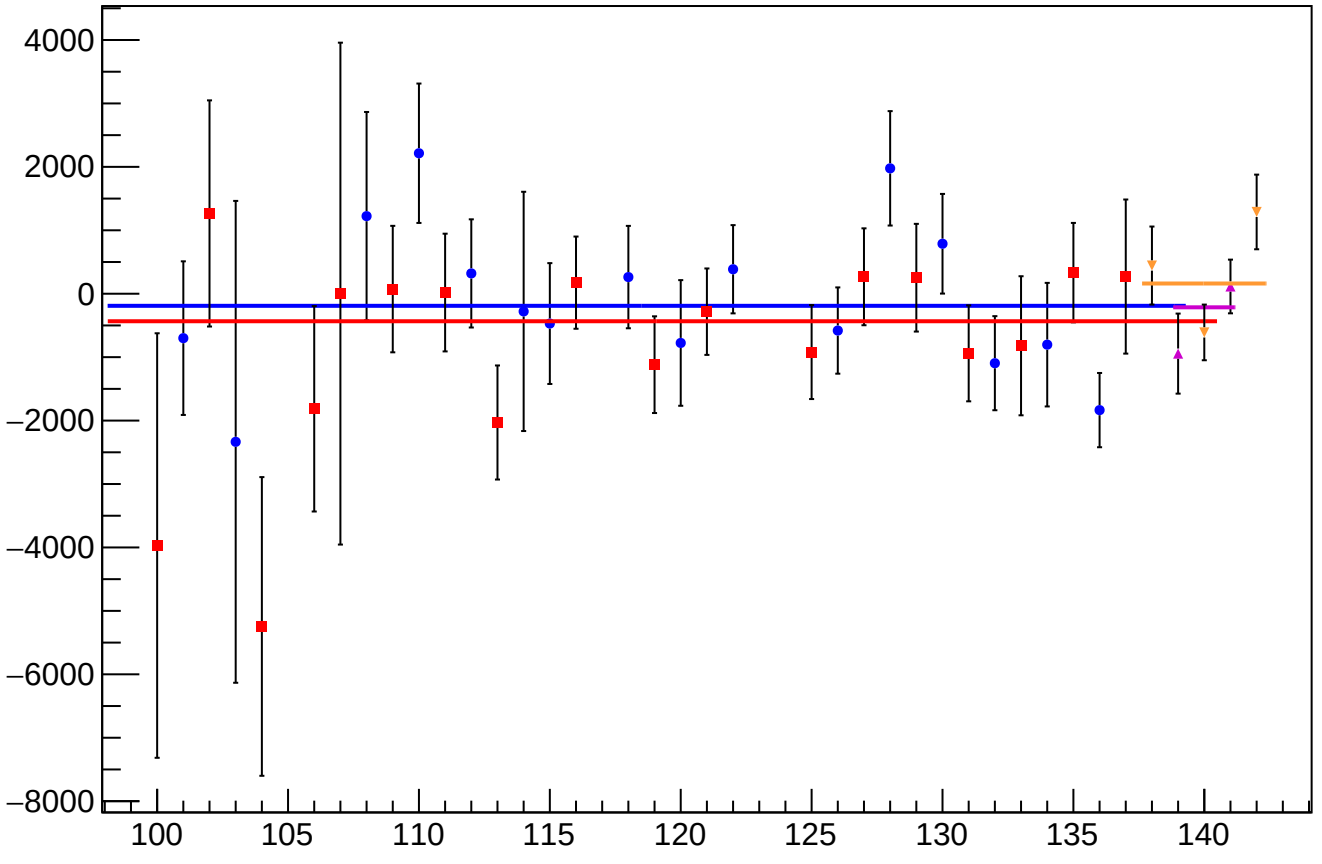
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

+ sign 1200.289+/-0.281 χ^2/NDF: 315907.7/18

All: 1216.859+/-0.203 χ^2/NDF: 802718.8/38

- sign 1235.068+/-0.294 χ^2/NDF: 479486.6/19



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 161.129+/-305.331 χ^2/NDF:7.0/2

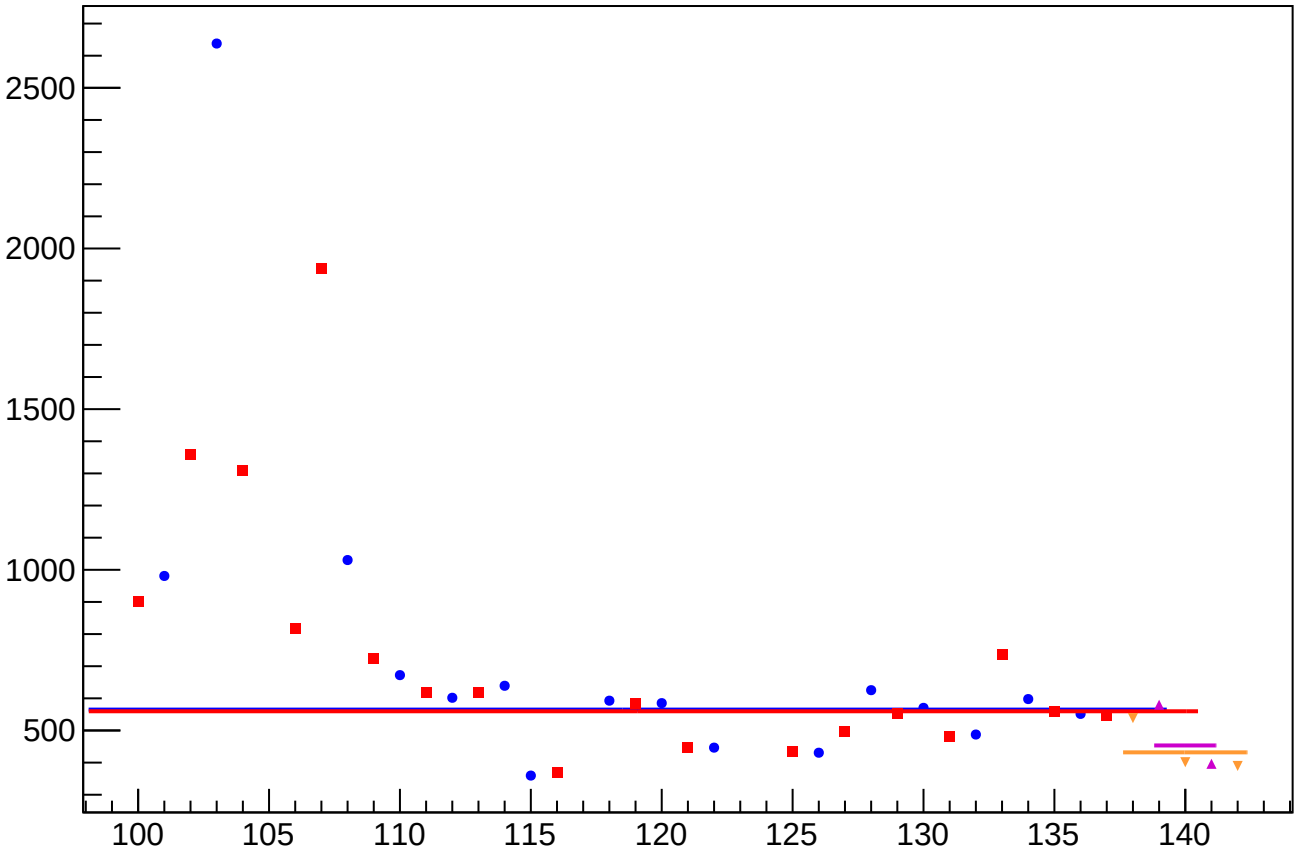
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -214.308+/-351.549 χ^2/NDF:1.9/1

+ sign -68.371+/-180.014 χ^2/NDF: 33.1/18

All: -212.446+/-130.231 χ^2/NDF: 52.6/38

- sign -370.657+/-188.638 χ^2/NDF: 18.2/19



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 431.904+/-0.216 χ^2/NDF:80238.5/2

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

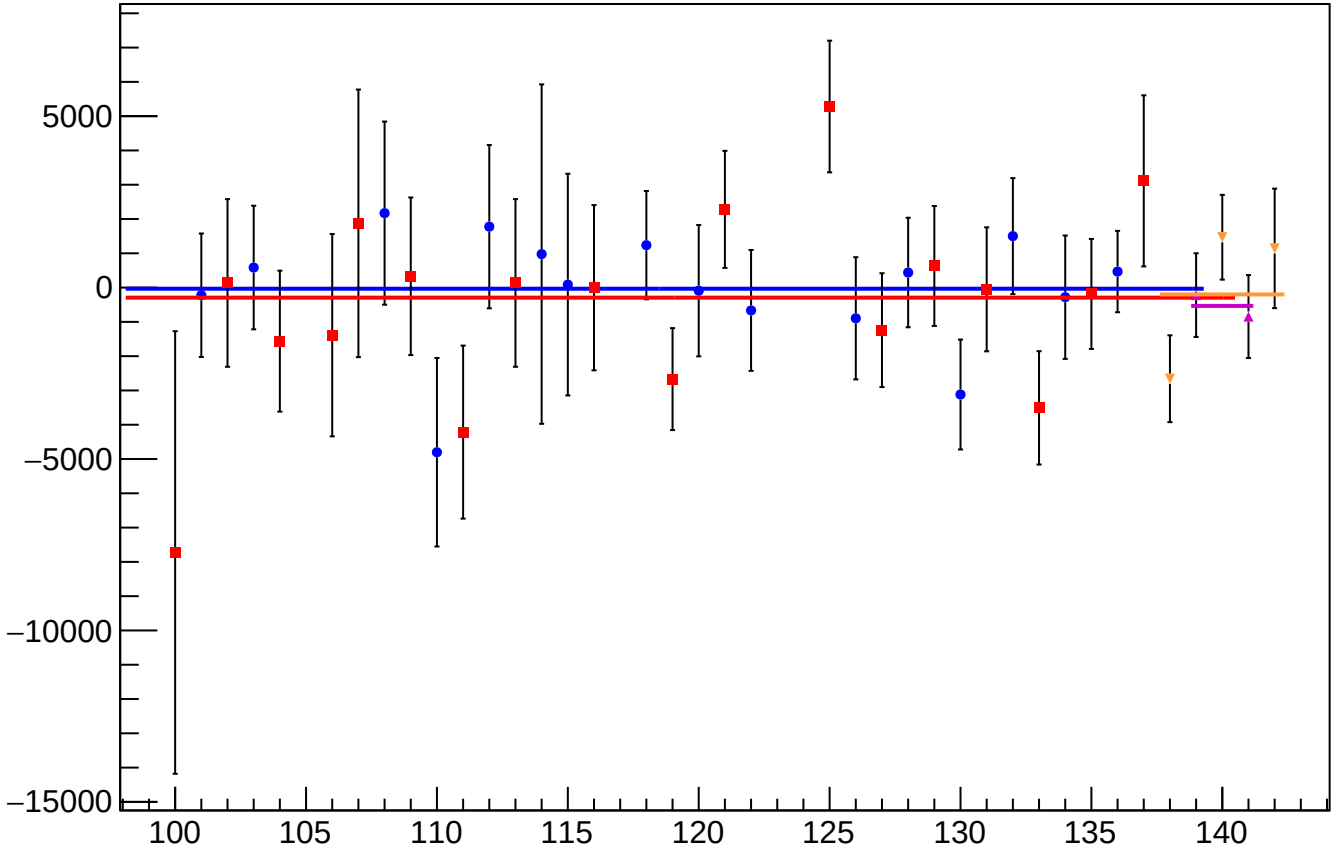
Left In: 453.383+/-0.249 χ^2/NDF:116935.3/1

+ sign 518.707+/-0.127 χ^2/NDF: 1612459.3/18

All: 523.674+/-0.092 χ^2/NDF: 3192340.7/38

- sign 529.129+/-0.133 χ^2/NDF: 1576686.1/19

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -199.423+/-788.856 χ^2/NDF:6.2/2

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

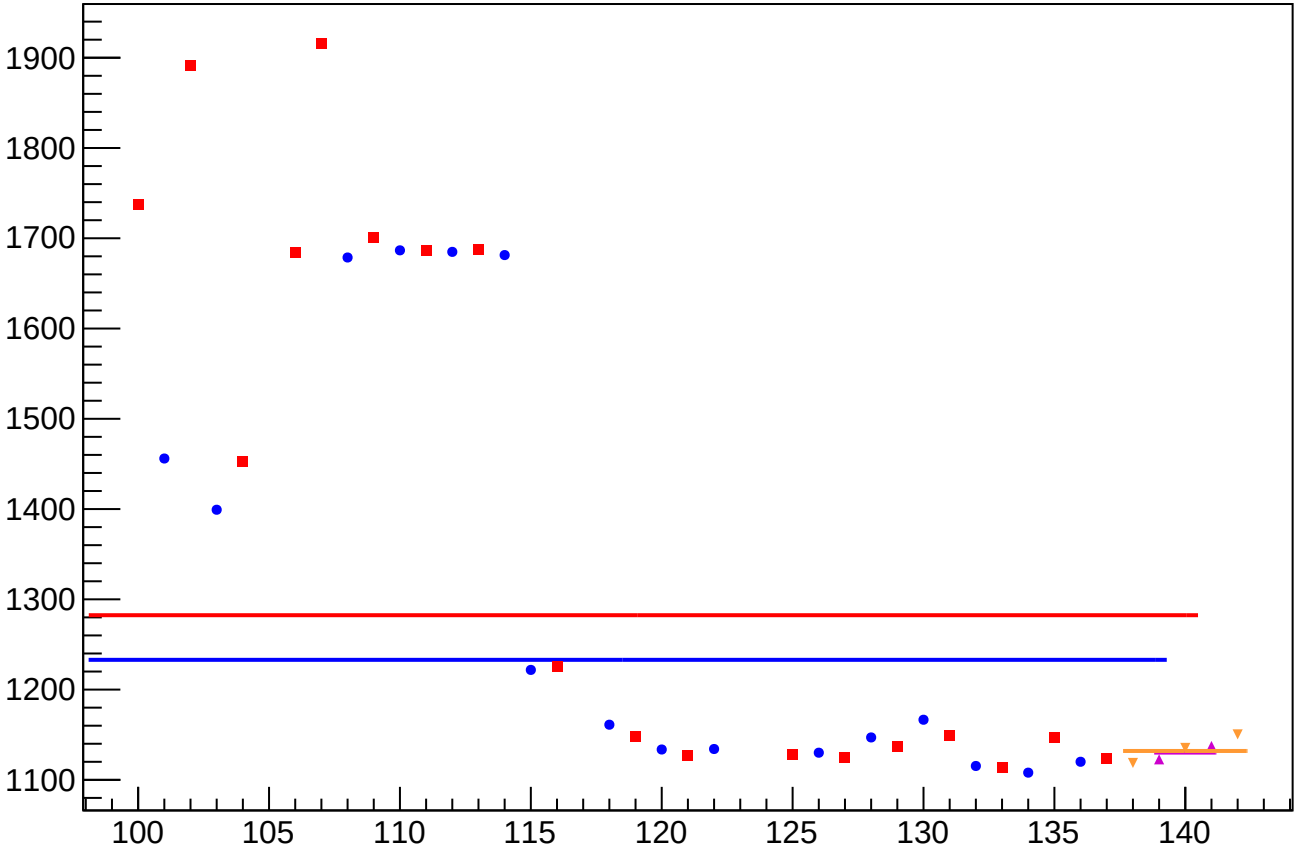
Left In: -534.506+/-858.886 χ^2/NDF:0.1/1

+ sign -75.717+/-399.442 χ^2/NDF: 16.5/18

All: -206.173+/-289.949 χ^2/NDF: 41.1/38

- sign -351.470+/-421.551 χ^2/NDF: 24.4/19

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1132.004+/-0.558 χ^2/NDF:456.6/2

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

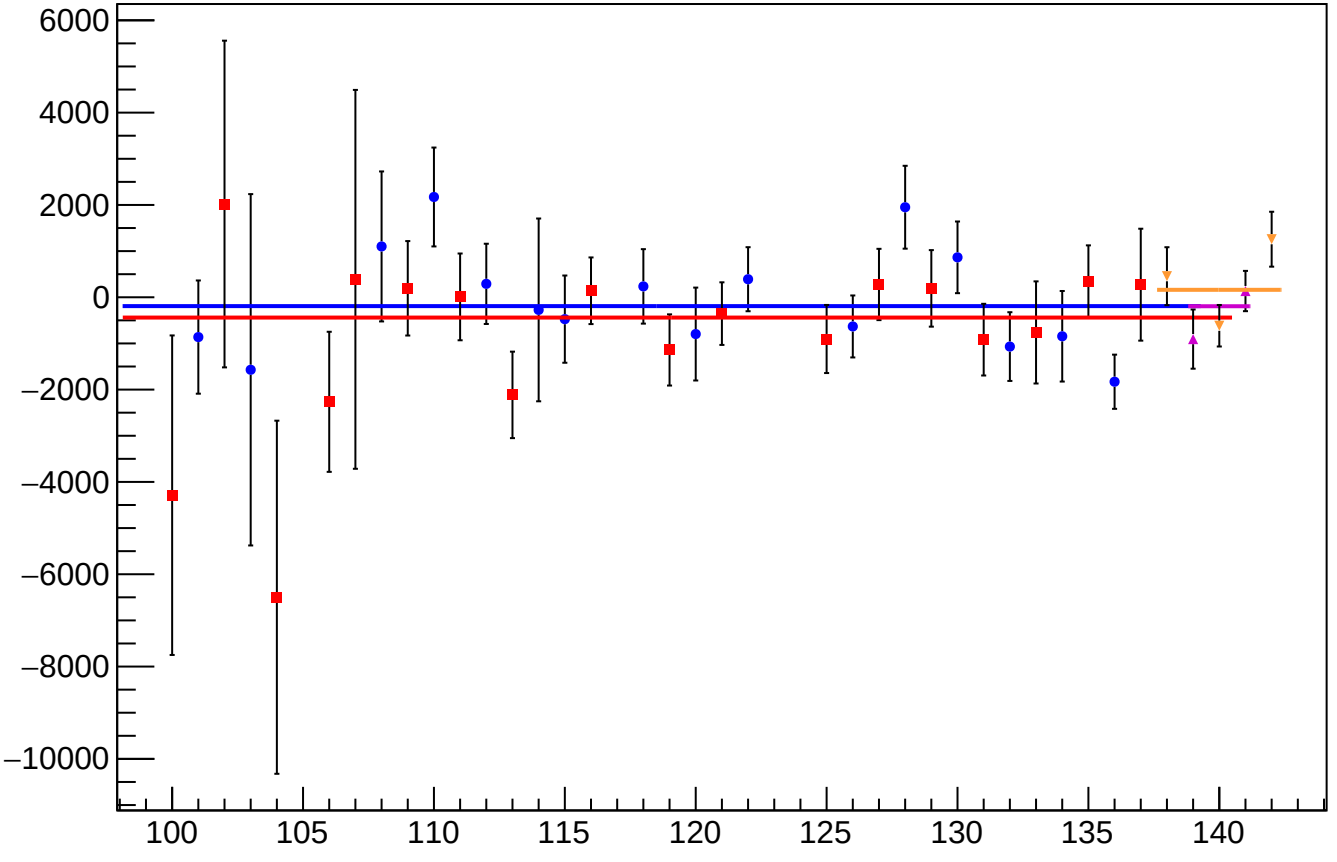
Left In: 1130.209+/-0.607 χ^2/NDF:148.4/1

+ sign 1207.079+/-0.282 χ^2/NDF: 340287.6/18

All: 1225.370+/-0.205 χ^2/NDF: 940378.6/38

- sign 1245.743+/-0.298 χ^2/NDF: 591226.0/19

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: 161.403+/-311.454 χ^2/NDF:6.6/2

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

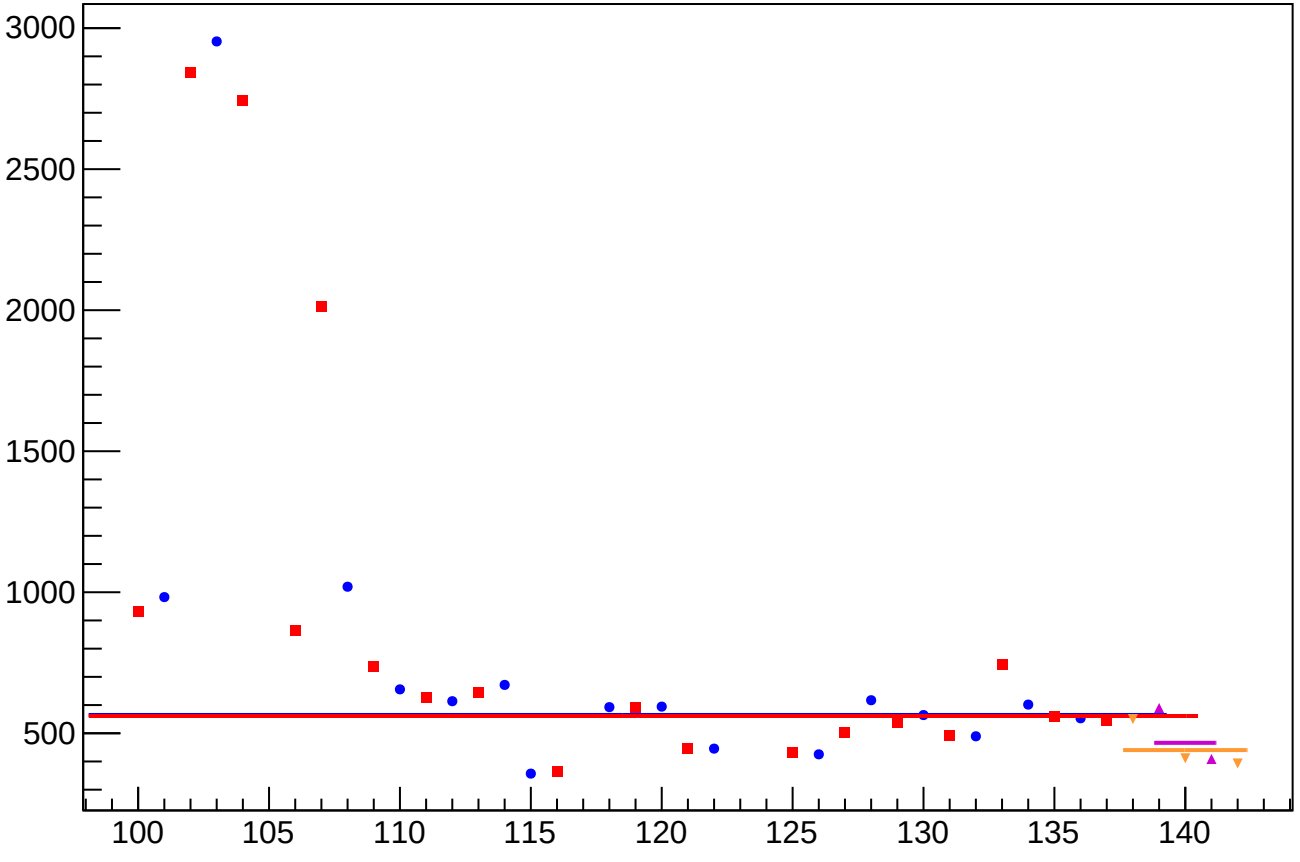
Left In: -194.194+/-360.728 χ^2/NDF:1.8/1

+ sign -72.084+/-181.189 χ^2/NDF: 32.7/18

All: -212.589+/-131.738 χ^2/NDF: 50.8/38

- sign -370.169+/-191.882 χ^2/NDF: 16.8/19

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 440.427+/-0.220 χ^2/NDF:82617.4/2

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

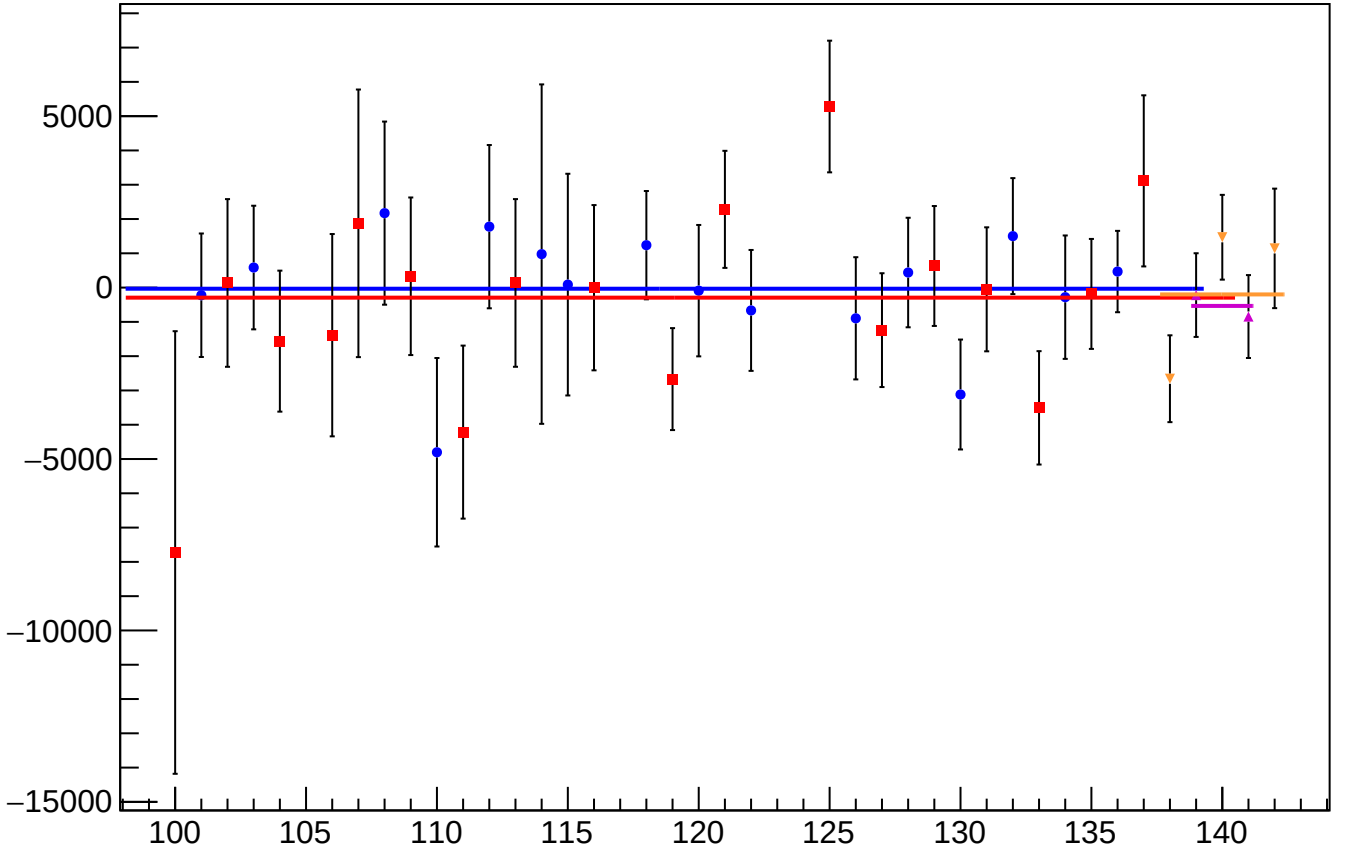
Left In: 466.107+/-0.255 χ^2/NDF:108589.6/1

+ sign 522.755+/-0.128 χ^2/NDF: 1774227.6/18

All: 528.218+/-0.093 χ^2/NDF: 4259858.6/38

- sign 534.346+/-0.136 χ^2/NDF: 2481772.9/19

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -199.423+/-788.856 χ^2/NDF:6.2/2

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

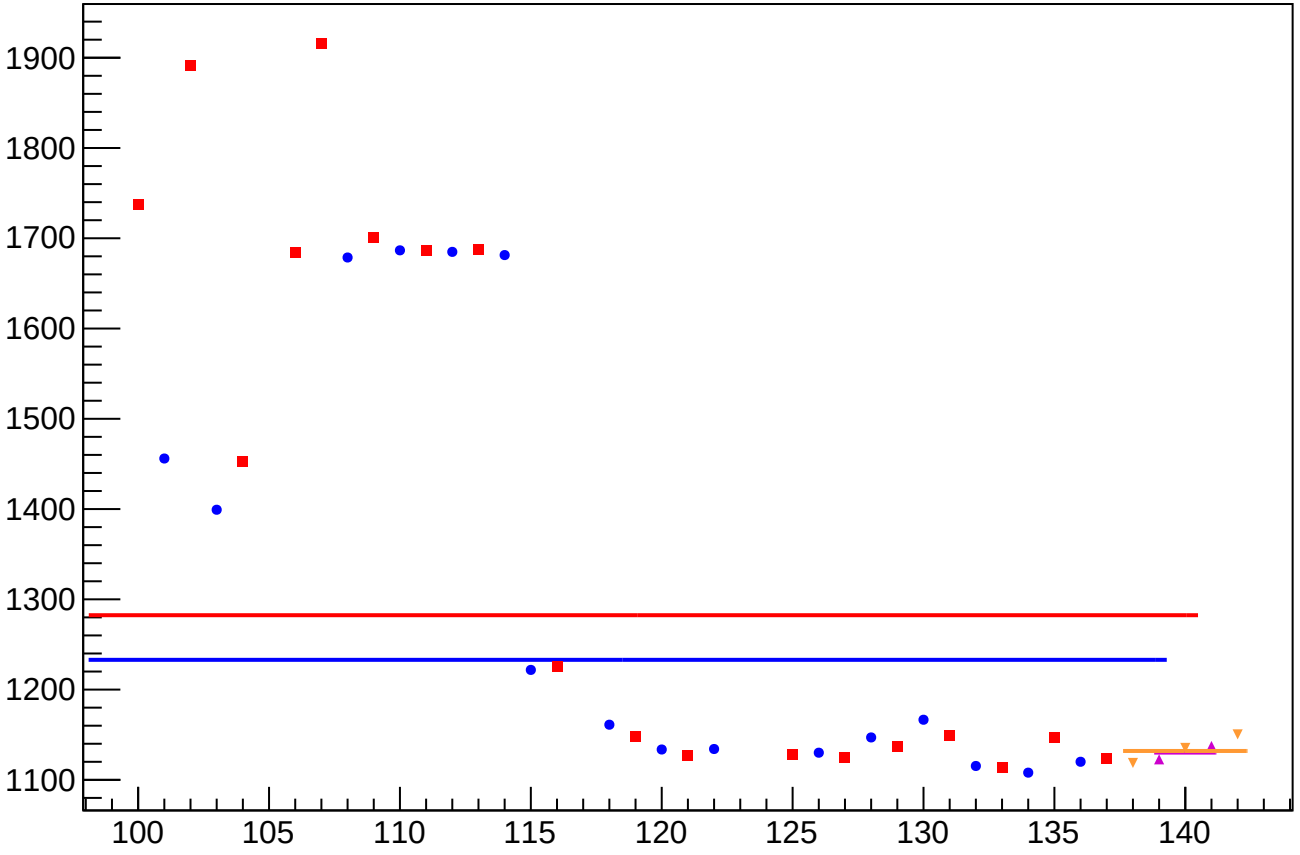
Left In: -534.508+/-858.886 χ^2/NDF:0.1/1

+ sign -75.716+/-399.442 χ^2/NDF: 16.5/18

All: -206.172+/-289.949 χ^2/NDF: 41.1/38

- sign -351.470+/-421.551 χ^2/NDF: 24.4/19

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1132.004+/-0.558 χ^2/NDF:456.6/2

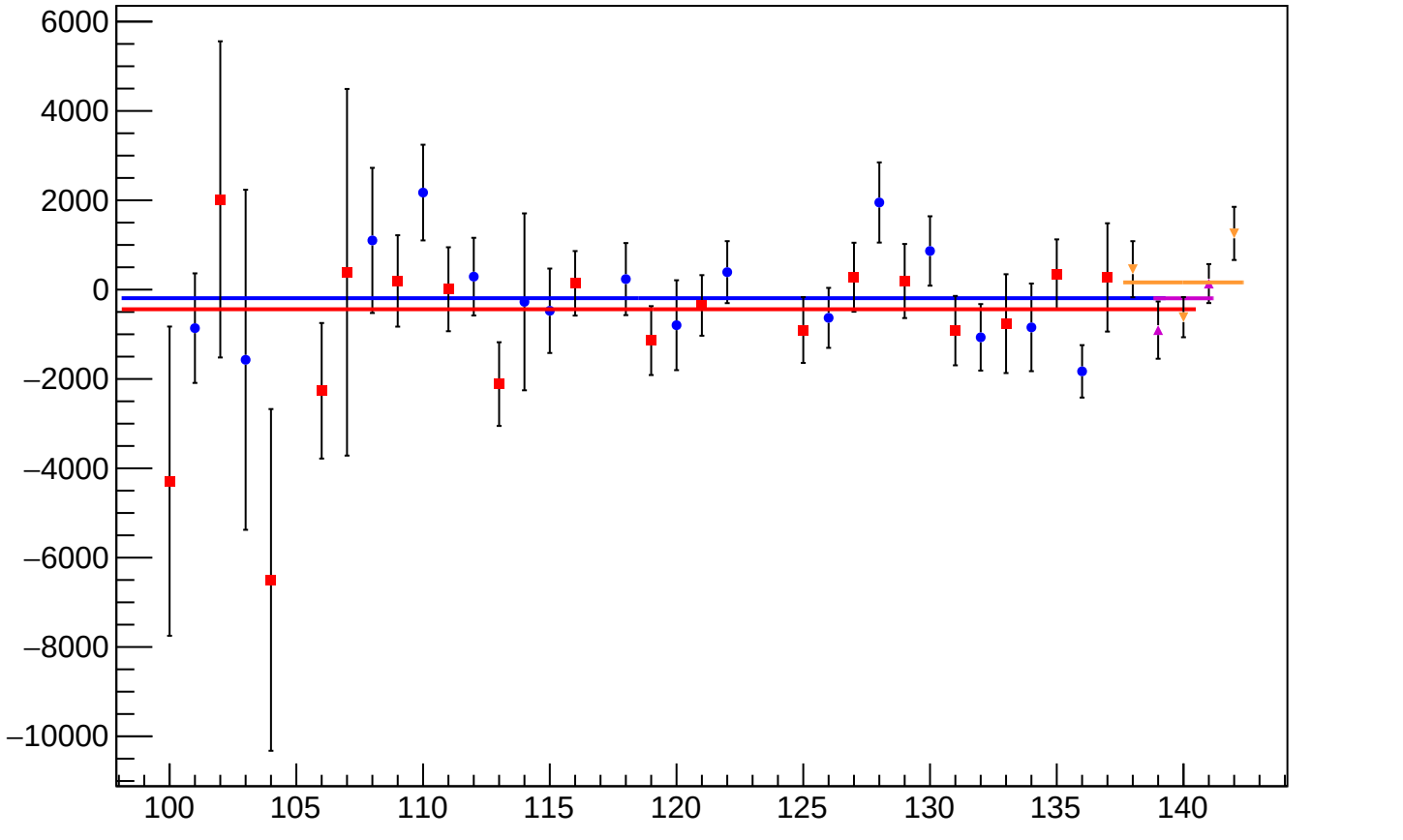
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1130.209+/-0.607 χ^2/NDF:148.4/1

+ sign 1207.079+/-0.282 χ^2/NDF: 340287.2/18

All: 1225.370+/-0.205 χ^2/NDF: 940377.6/38

- sign 1245.743+/-0.298 χ^2/NDF: 591225.4/19



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: 161.404+/-311.453 χ^2/NDF:6.6/2

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

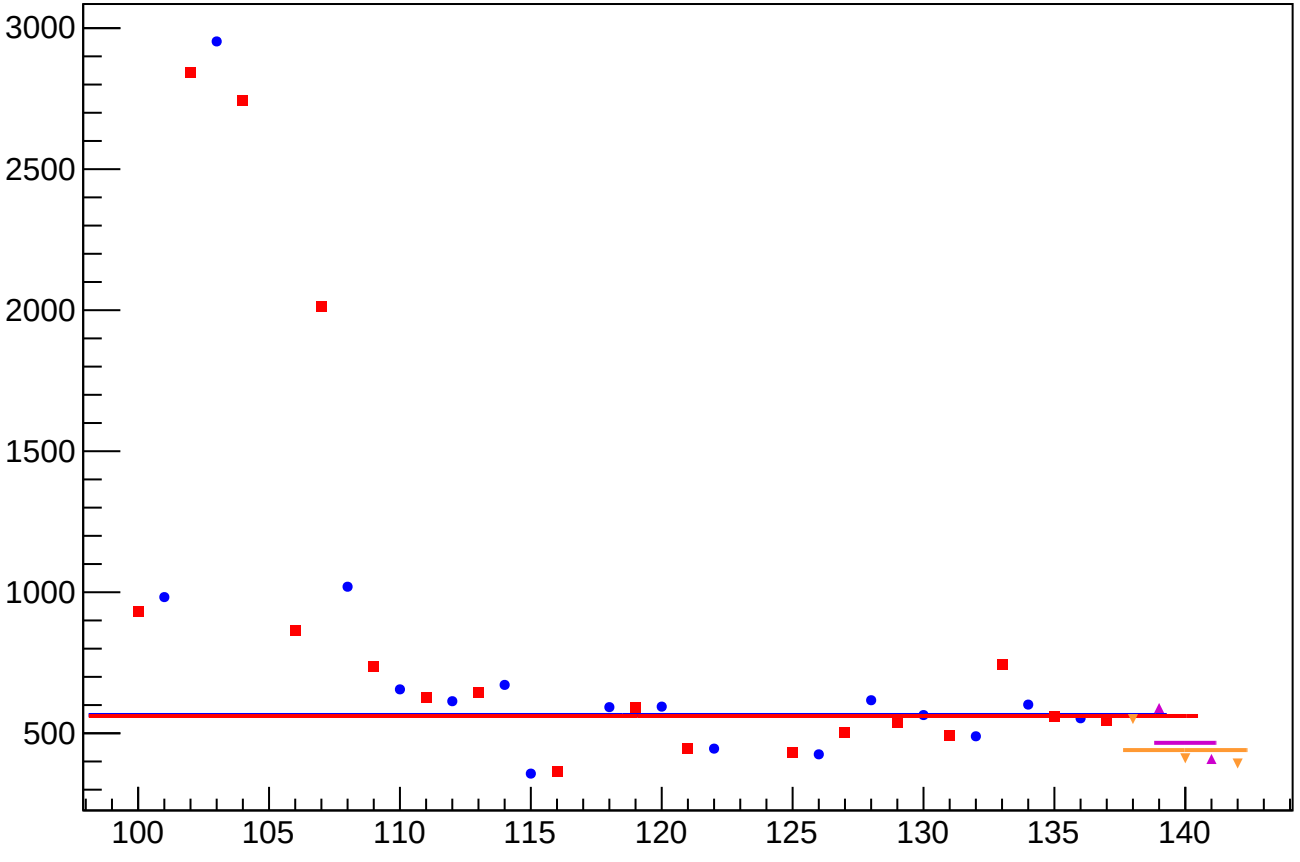
Left In: -194.192+/-360.727 χ^2/NDF:1.8/1

+ sign -72.083+/-181.188 χ^2/NDF: 32.7/18

All: -212.589+/-131.738 χ^2/NDF: 50.8/38

- sign -370.169+/-191.882 χ^2/NDF: 16.8/19

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 440.425+/-0.220 χ^2/NDF:82621.5/2

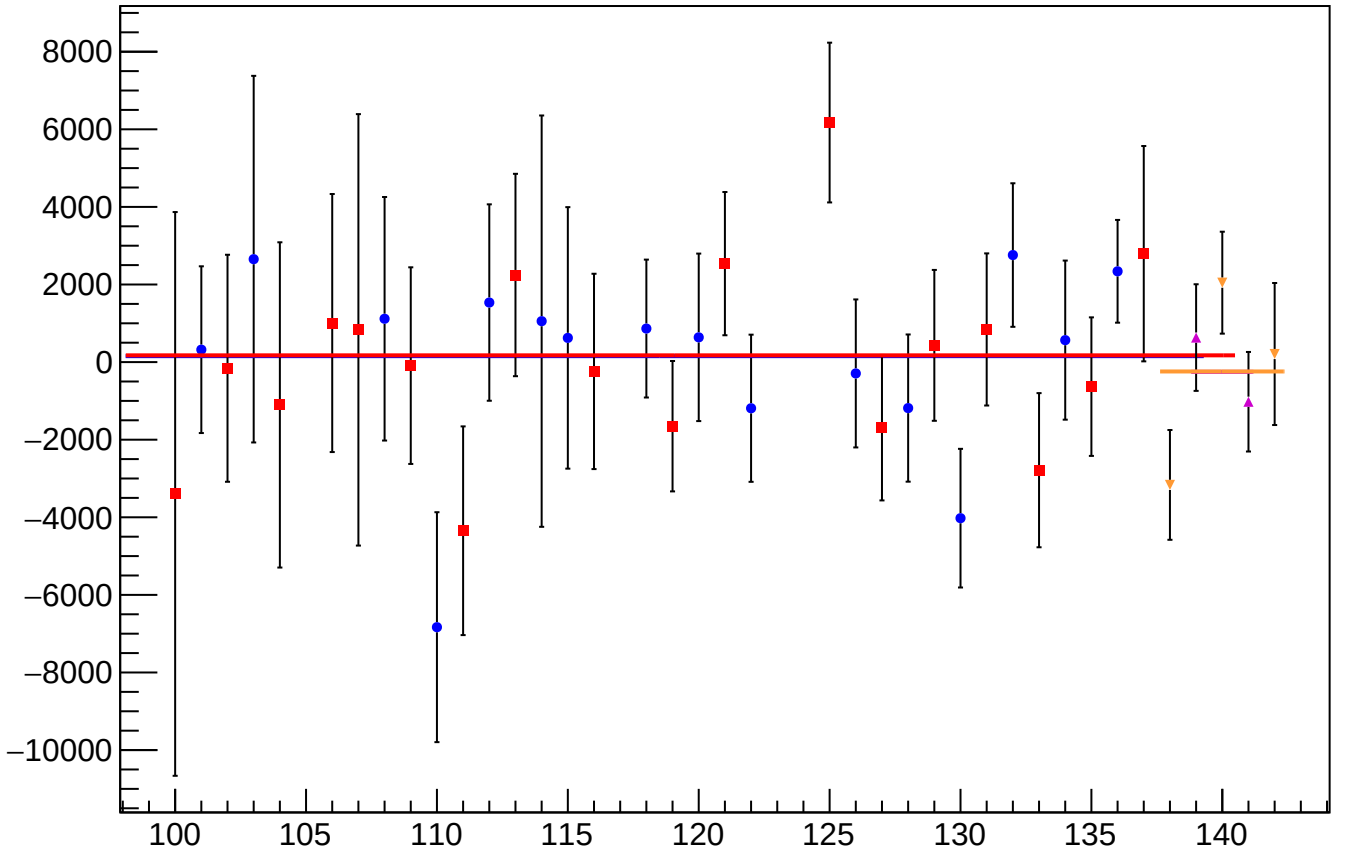
Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 466.107+/-0.255 χ^2/NDF:108593.0/1

+ sign 522.754+/-0.128 χ^2/NDF: 1774233.8/18

All: 528.218+/-0.093 χ^2/NDF: 4259870.0/38

- sign 534.346+/-0.136 χ^2/NDF: 2481777.7/19



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: -241.357+/-852.066 χ^2/NDF:7.4/2

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

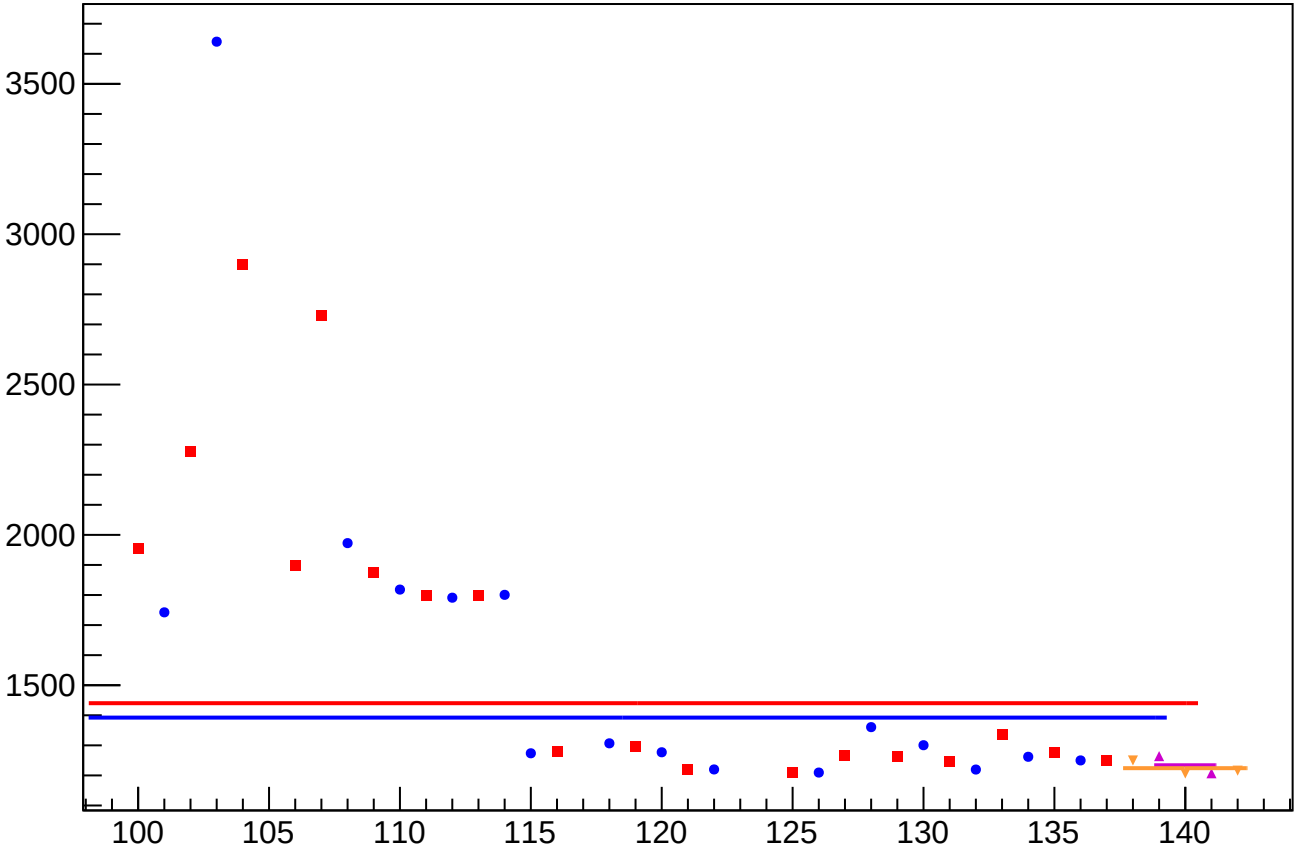
Left In: -251.176+/-937.829 χ^2/NDF:0.8/1

+ sign 42.628+/-451.323 χ^2/NDF: 25.3/18

All: 53.435+/-327.030 χ^2/NDF: 45.9/38

- sign 65.382+/-474.529 χ^2/NDF: 20.6/19

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1224.114+/-0.603 χ^2/NDF:1063.8/2

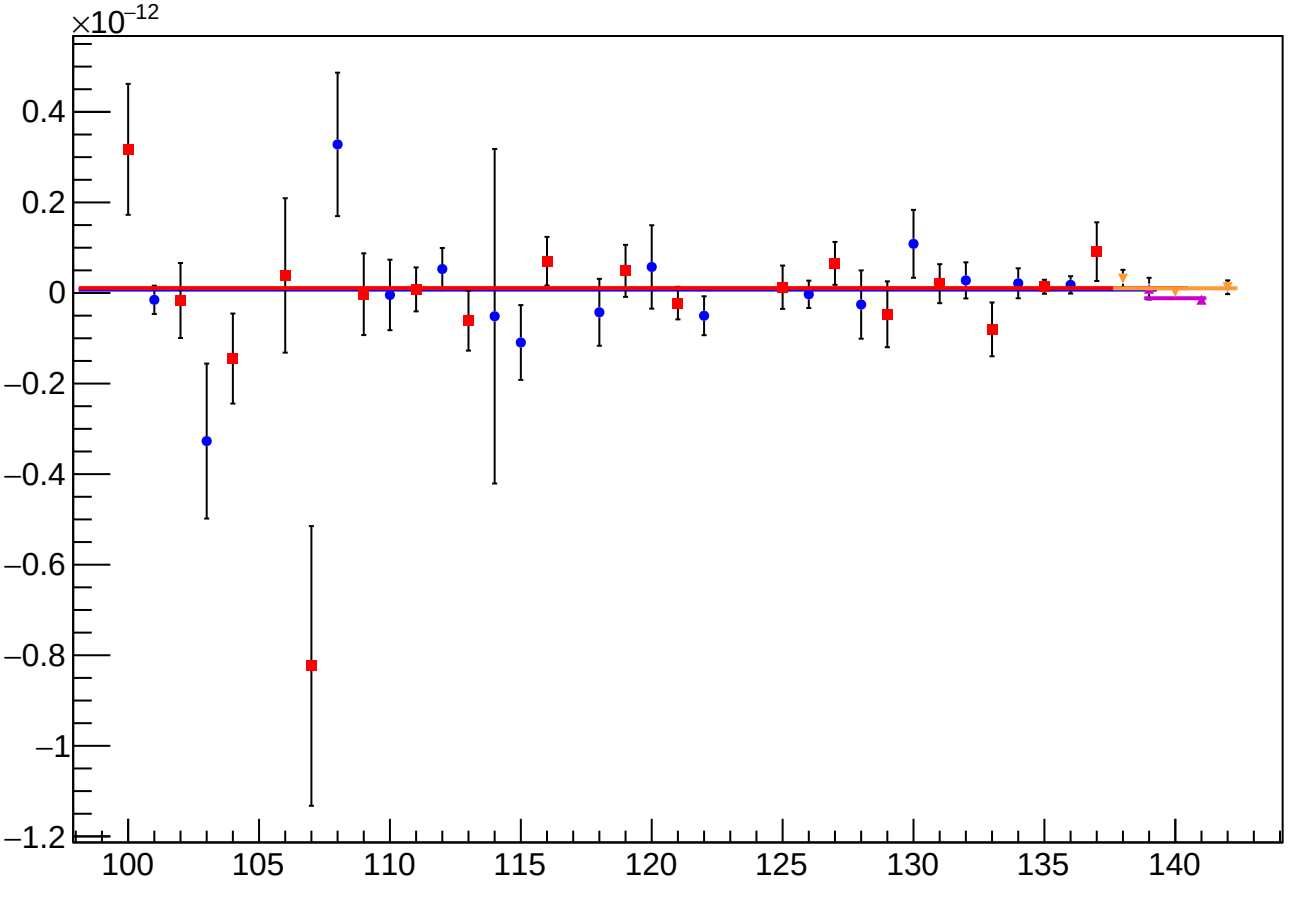
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1233.752+/-0.663 χ^2/NDF:1840.1/1

+ sign 1345.113+/-0.319 χ^2/NDF: 836364.1/18

All: 1365.179+/-0.231 χ^2/NDF: 1773534.1/38

- sign 1387.361+/-0.336 χ^2/NDF: 928846.2/19



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/2

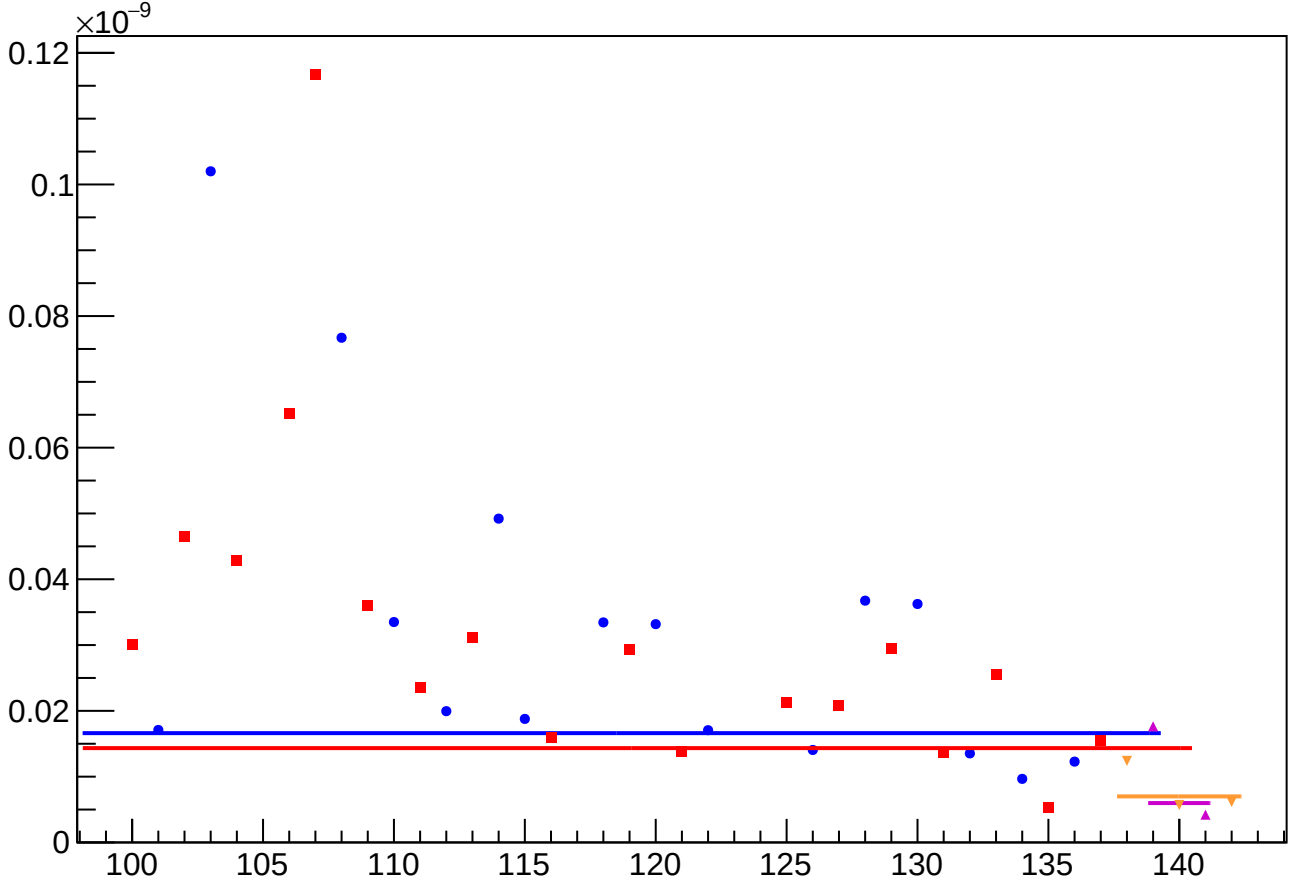
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.7/18

All: 0.000+/-0.000 χ^2/NDF: 47.9/38

- sign -0.000+/-0.000 χ^2/NDF: 27.6/19



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:188322.8/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

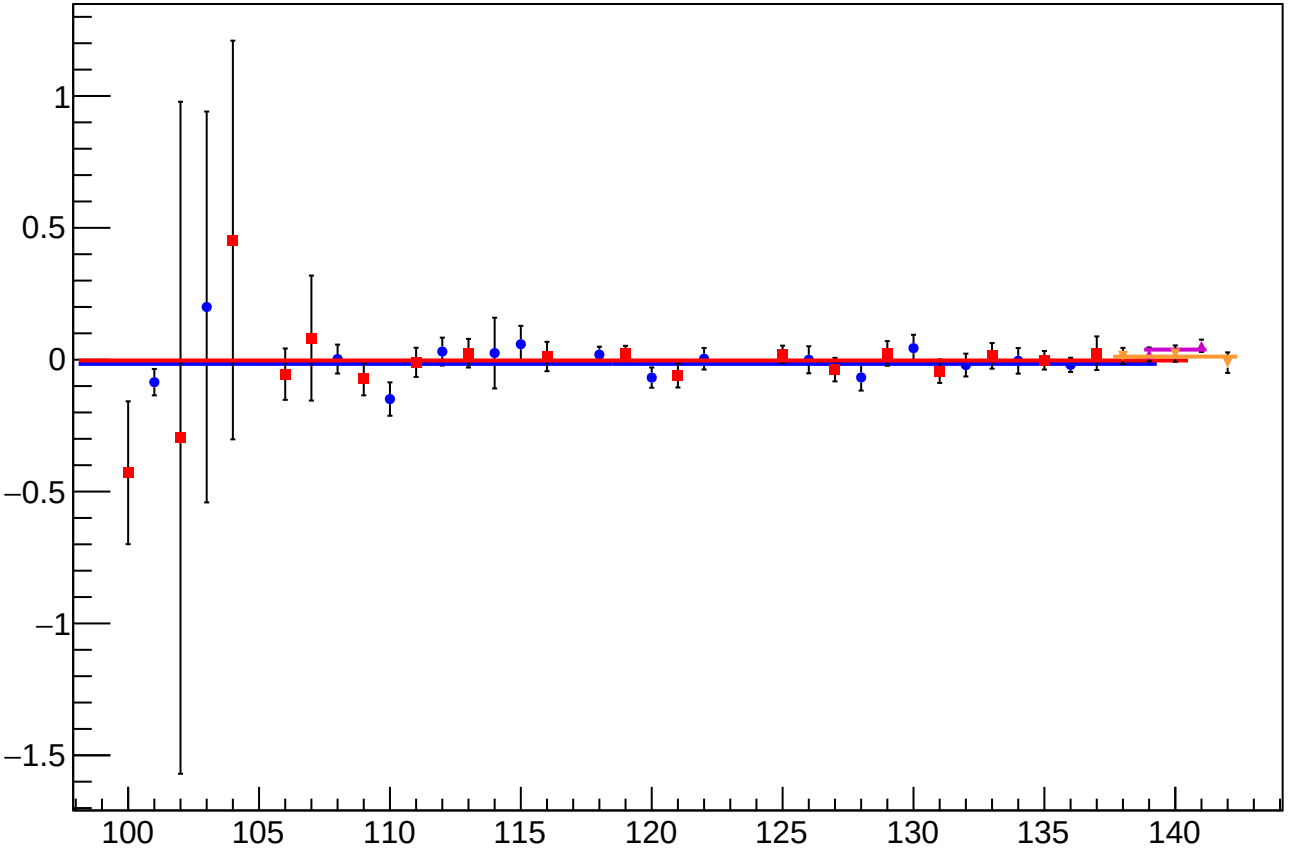
Left In: 0.000+/-0.000 χ^2/NDF:542968.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 2764858.8/18

All: 0.000+/-0.000 χ^2/NDF: 6335319.3/38

- sign 0.000+/-0.000 χ^2/NDF: 3542687.3/19

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

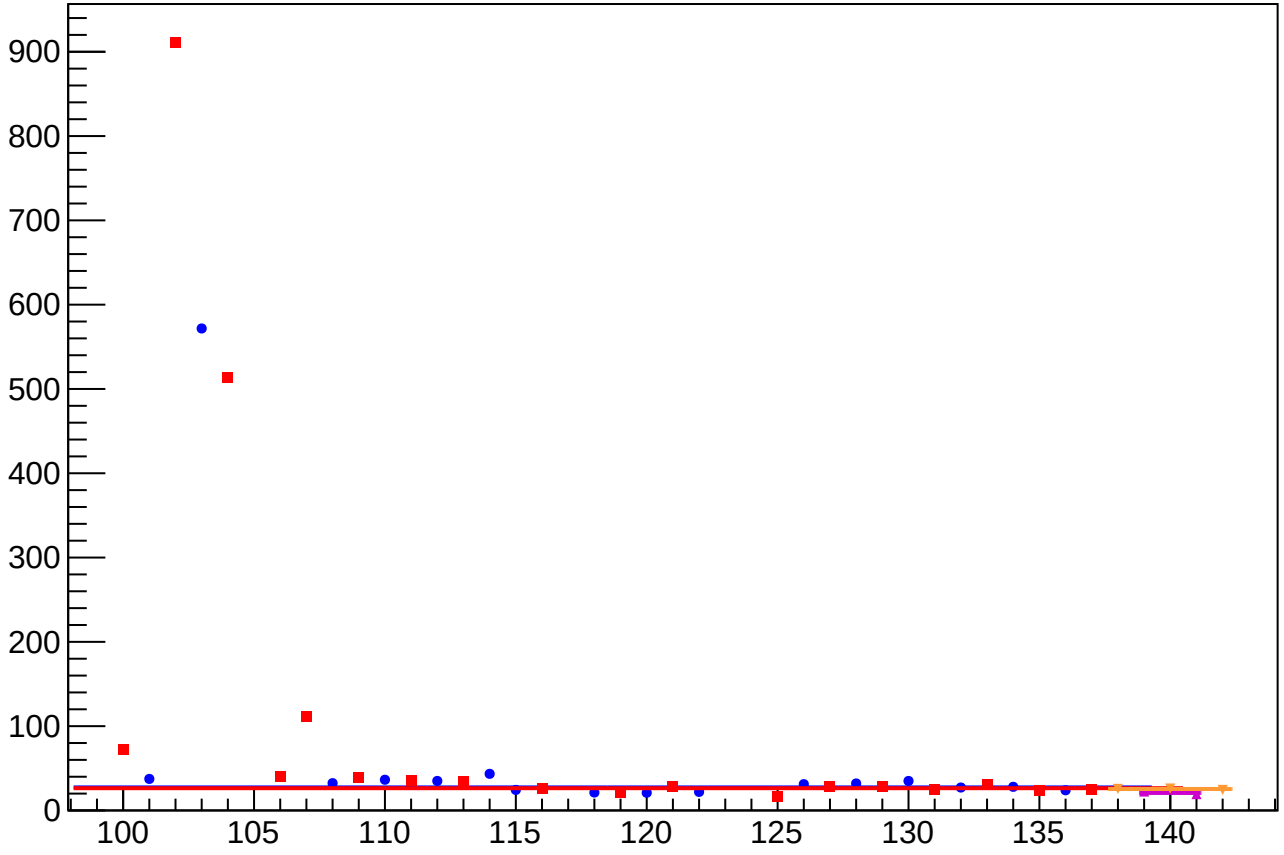
Left In: 0.038+/-0.018 χ^2/NDF:0.9/1

+ sign -0.008+/-0.010 χ^2/NDF: 16.6/18

All: 0.001+/-0.007 χ^2/NDF: 32.9/38

- sign 0.010+/-0.010 χ^2/NDF: 14.5/19

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: 25.465+/-0.013 χ^2/NDF:2247.4/2

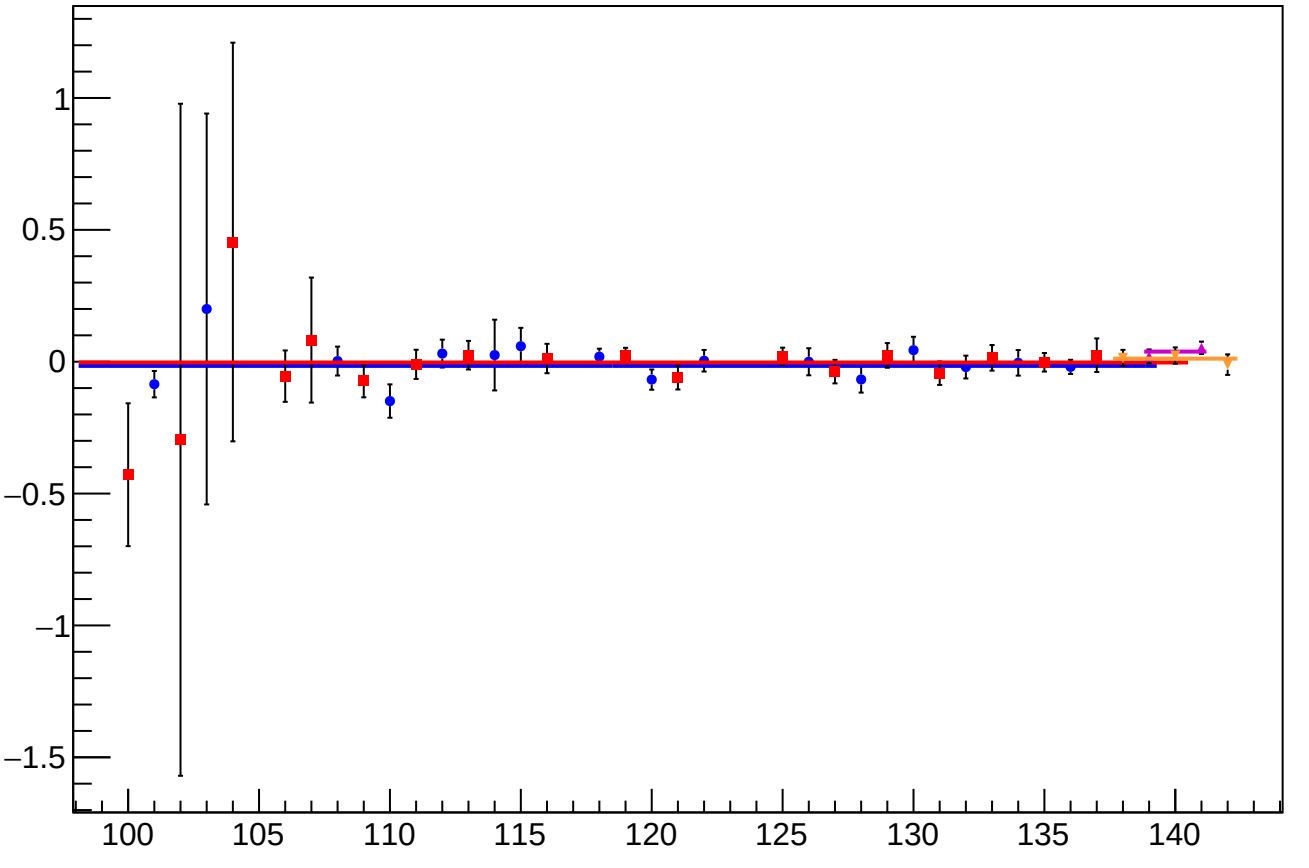
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.759+/-0.012 χ^2/NDF:15533.9/1

+ sign 26.808+/-0.007 χ^2/NDF: 1584273.2/18

All: 25.705+/-0.005 χ^2/NDF: 4405665.8/38

- sign 24.593+/-0.007 χ^2/NDF: 2771279.5/19



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.019 χ^2/NDF:0.5/2

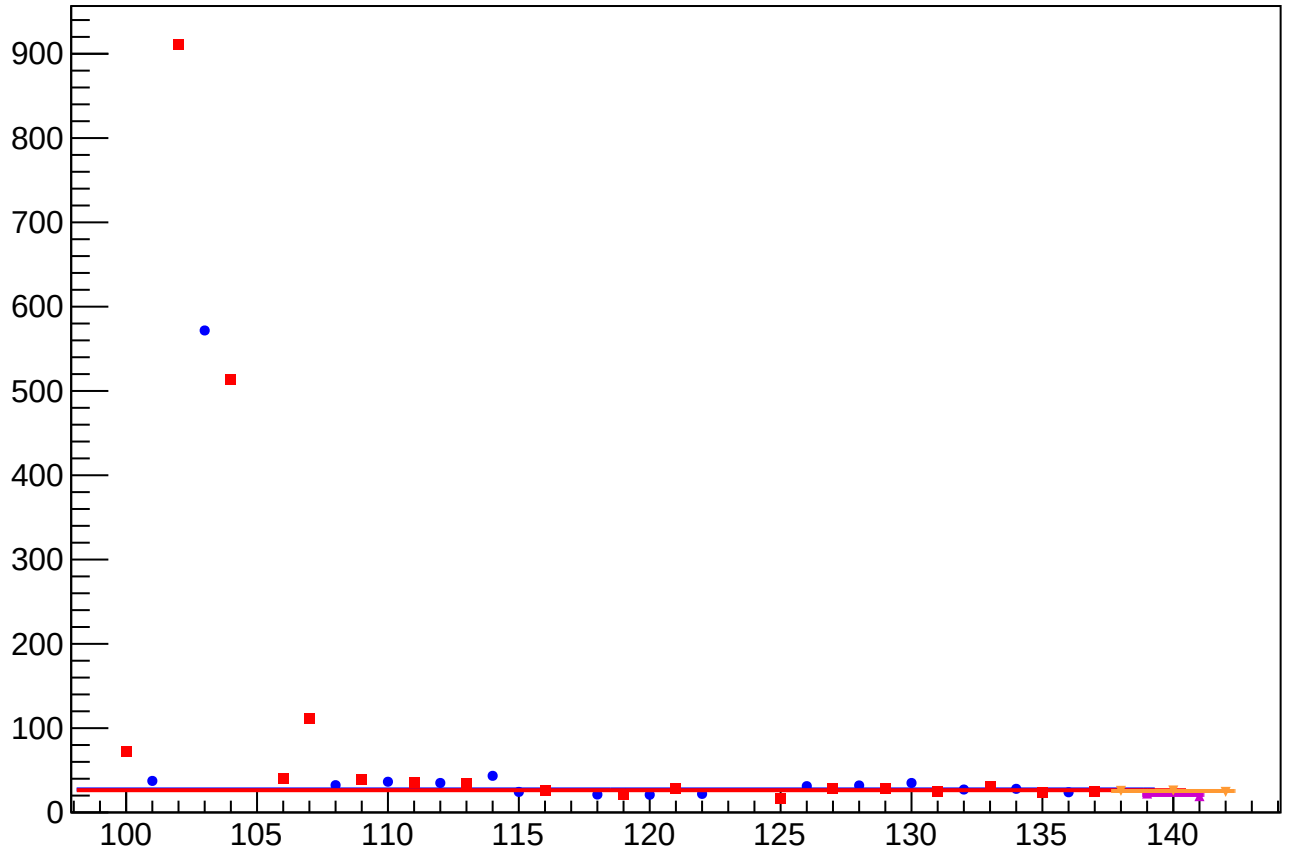
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.038+/-0.018 χ^2/NDF:0.9/1

+ sign -0.008+/-0.010 χ^2/NDF: 16.6/18

All: 0.001+/-0.007 χ^2/NDF: 32.9/38

- sign 0.010+/-0.010 χ^2/NDF: 14.5/19



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.465+/-0.013 χ^2/NDF:2247.4/2

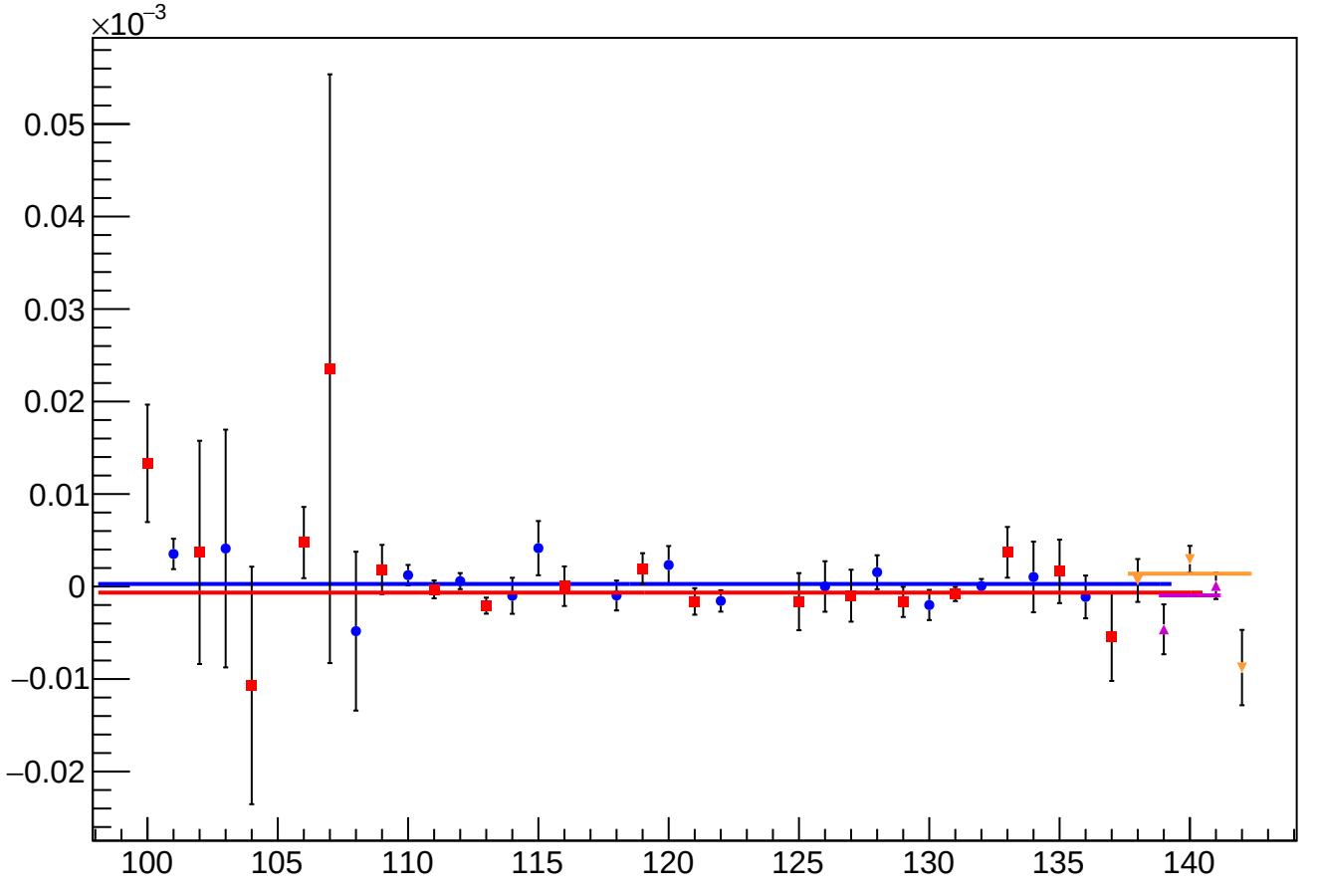
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.759+/-0.012 χ^2/NDF:15533.9/1

+ sign 26.808+/-0.007 χ^2/NDF: 1584273.2/18

All: 25.705+/-0.005 χ^2/NDF: 4405665.8/38

- sign 24.593+/-0.007 χ^2/NDF: 2771279.5/19



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/2

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

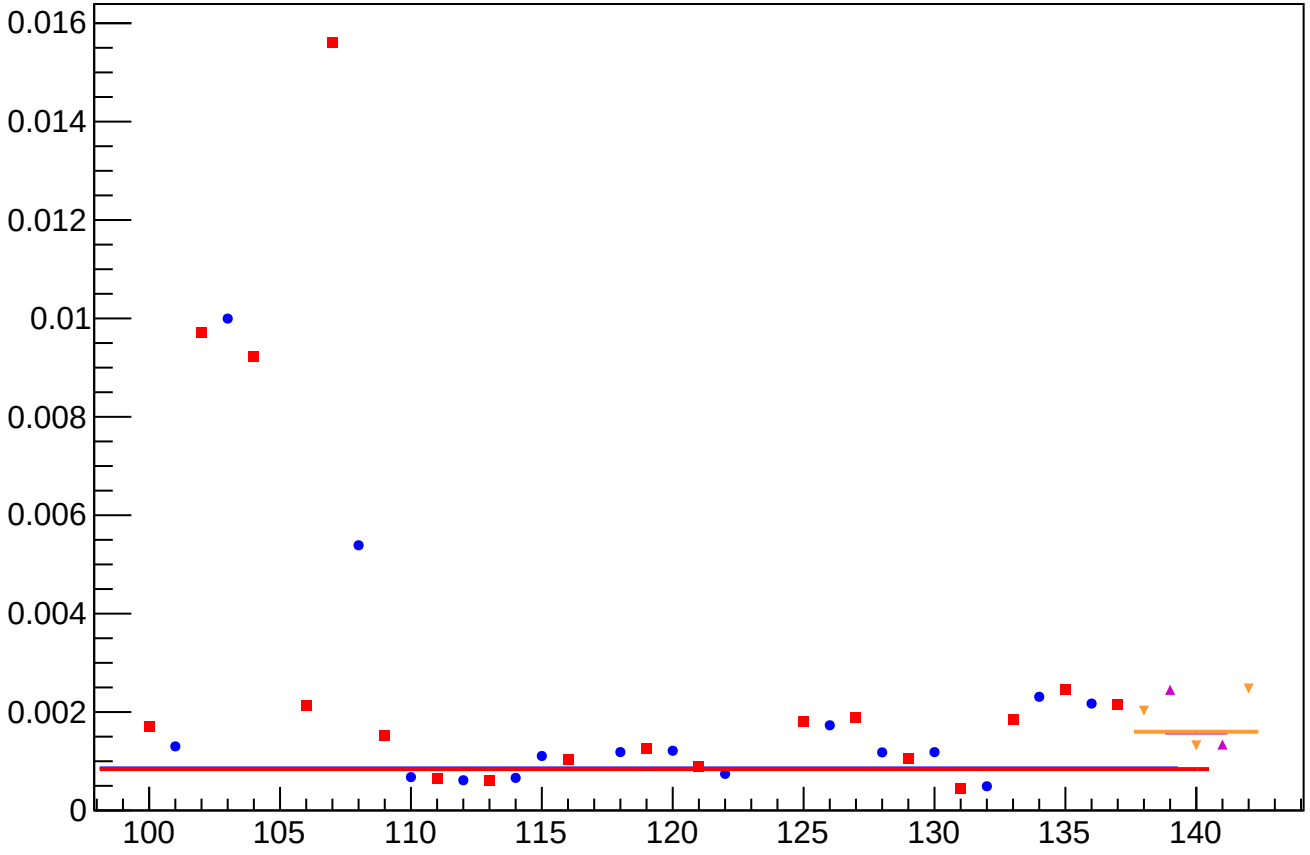
Left In: -0.000+/-0.000 χ^2/NDF:2.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 22.7/18

All: -0.000+/-0.000 χ^2/NDF: 48.6/38

- sign -0.000+/-0.000 χ^2/NDF: 21.7/19

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:234693.4/2

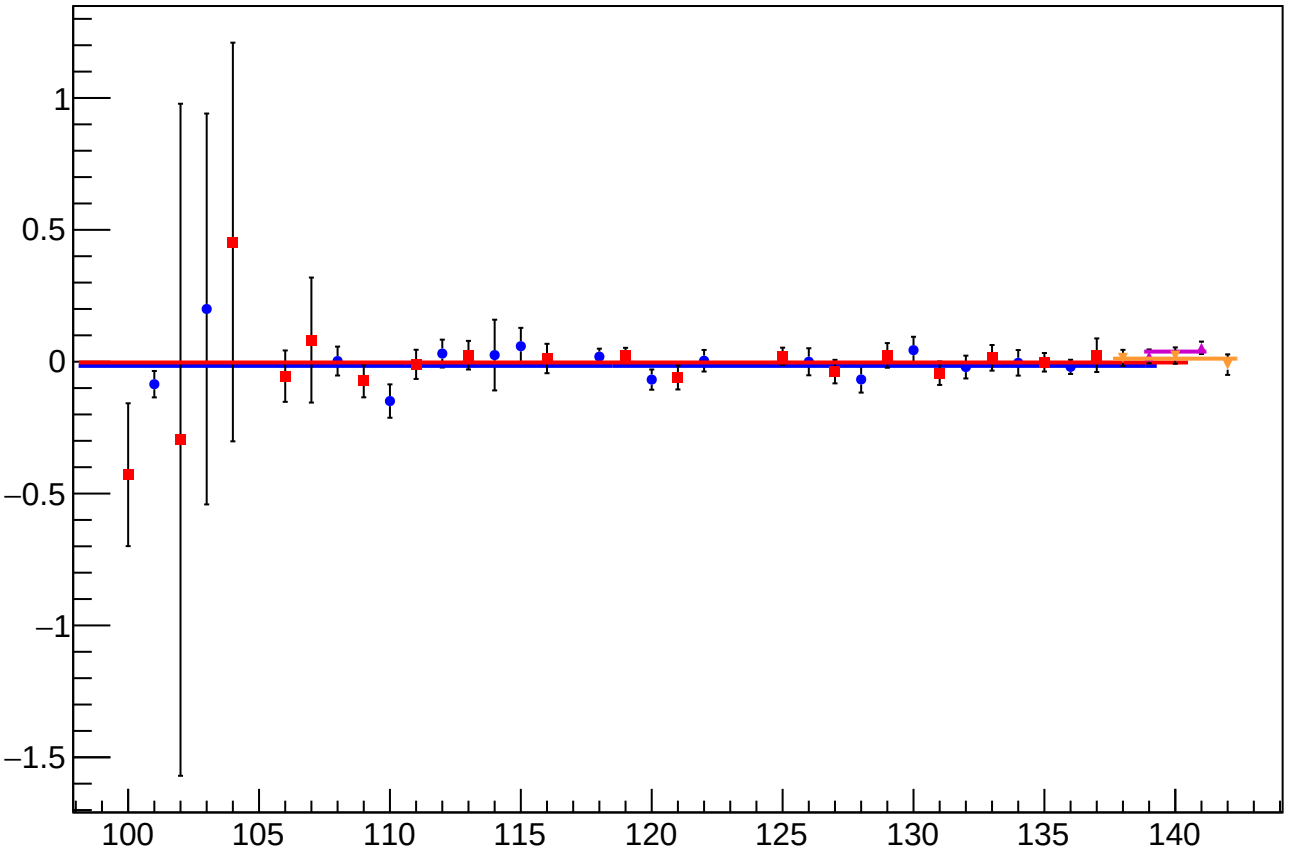
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:265008.5/1

\+ sign 0.001+/-0.000 χ^2/NDF: 4830297.5/18

All: 0.001+/-0.000 χ^2/NDF: 10765474.2/38

\- sign 0.001+/-0.000 χ^2/NDF: 5933589.1/19



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.019 χ^2/NDF:0.5/2

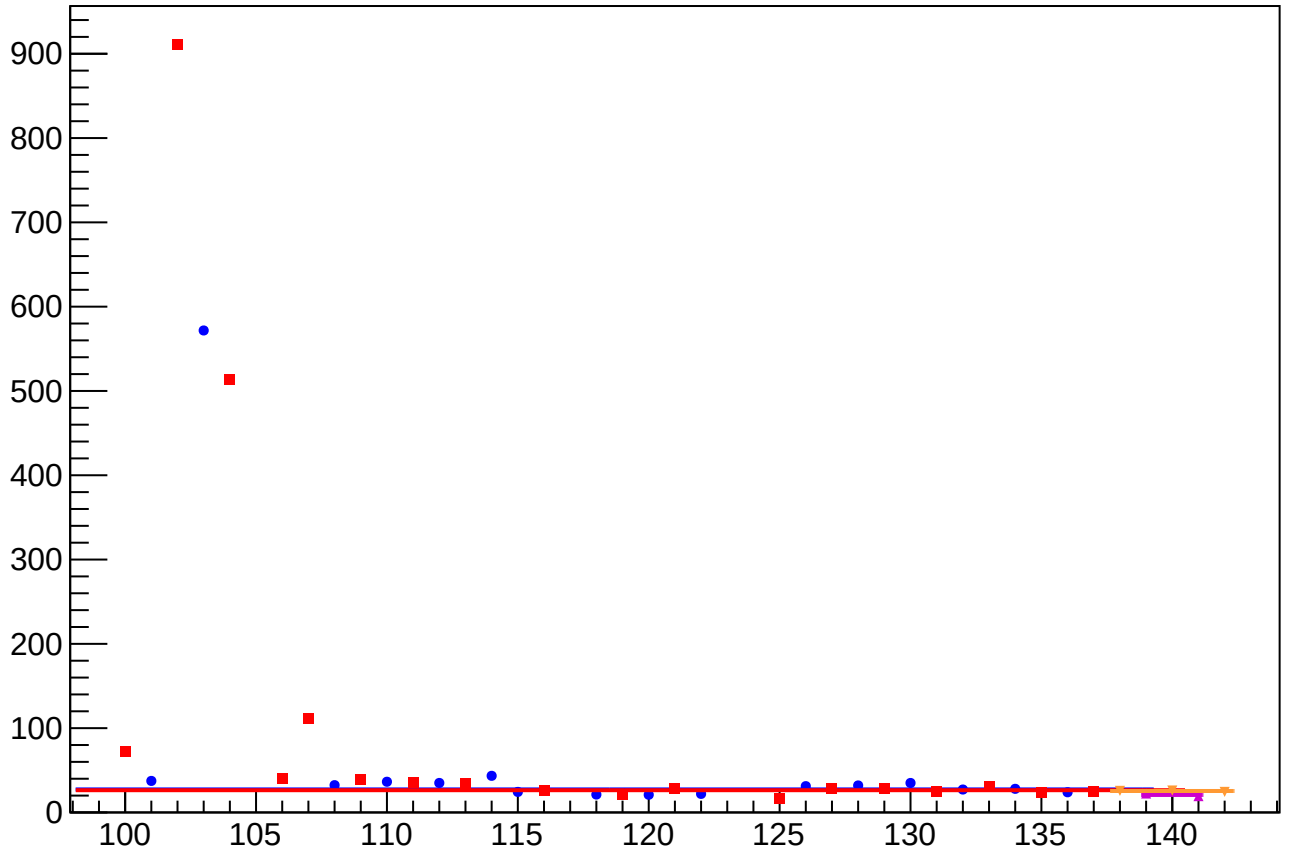
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.038+/-0.018 χ^2/NDF:0.9/1

+ sign -0.008+/-0.010 χ^2/NDF: 16.6/18

All: 0.001+/-0.007 χ^2/NDF: 32.9/38

- sign 0.010+/-0.010 χ^2/NDF: 14.5/19



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.465+/-0.013 χ^2/NDF:2248.0/2

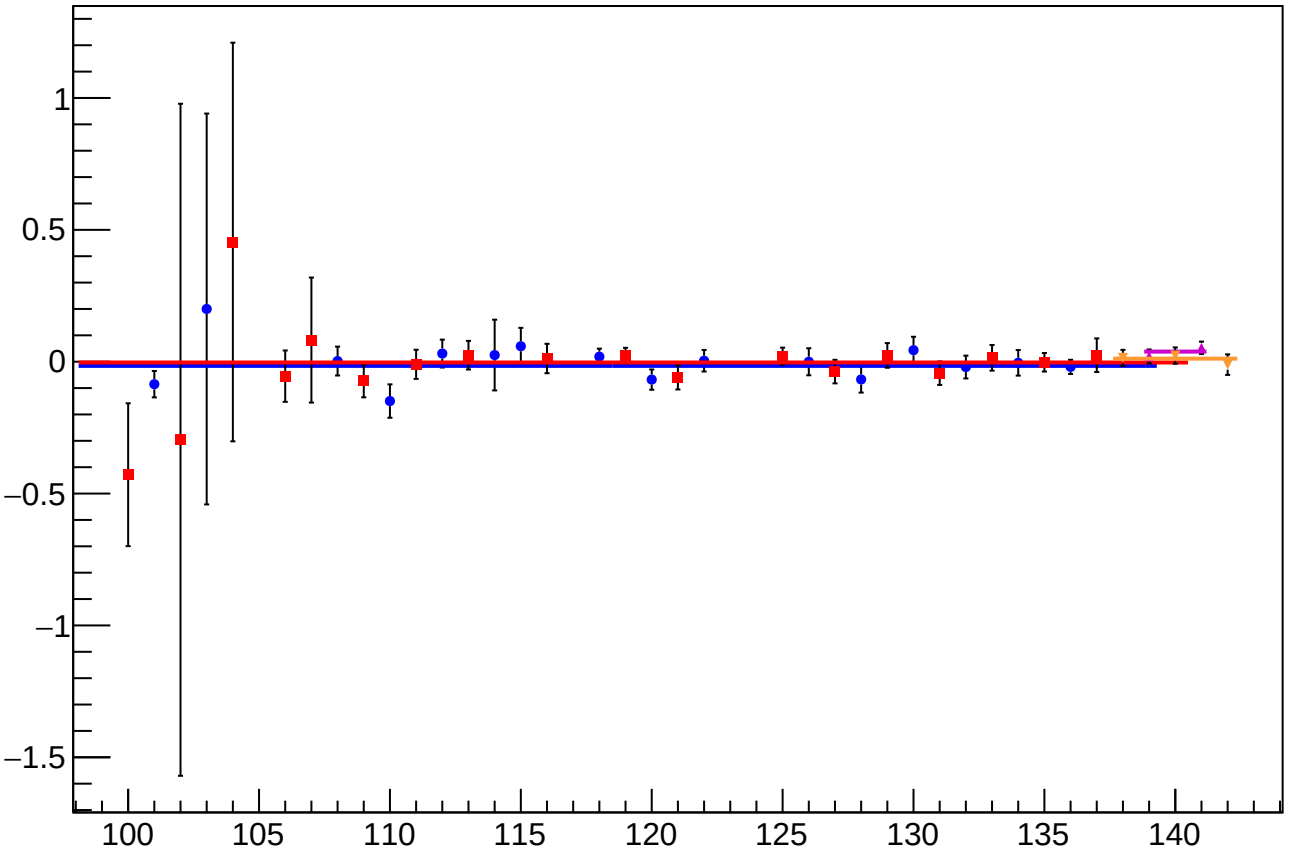
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.758+/-0.012 χ^2/NDF:15547.1/1

+ sign 26.808+/-0.007 χ^2/NDF: 1584271.5/18

All: 25.705+/-0.005 χ^2/NDF: 4405709.3/38

- sign 24.593+/-0.007 χ^2/NDF: 2771322.2/19



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.019 χ^2/NDF:0.5/2

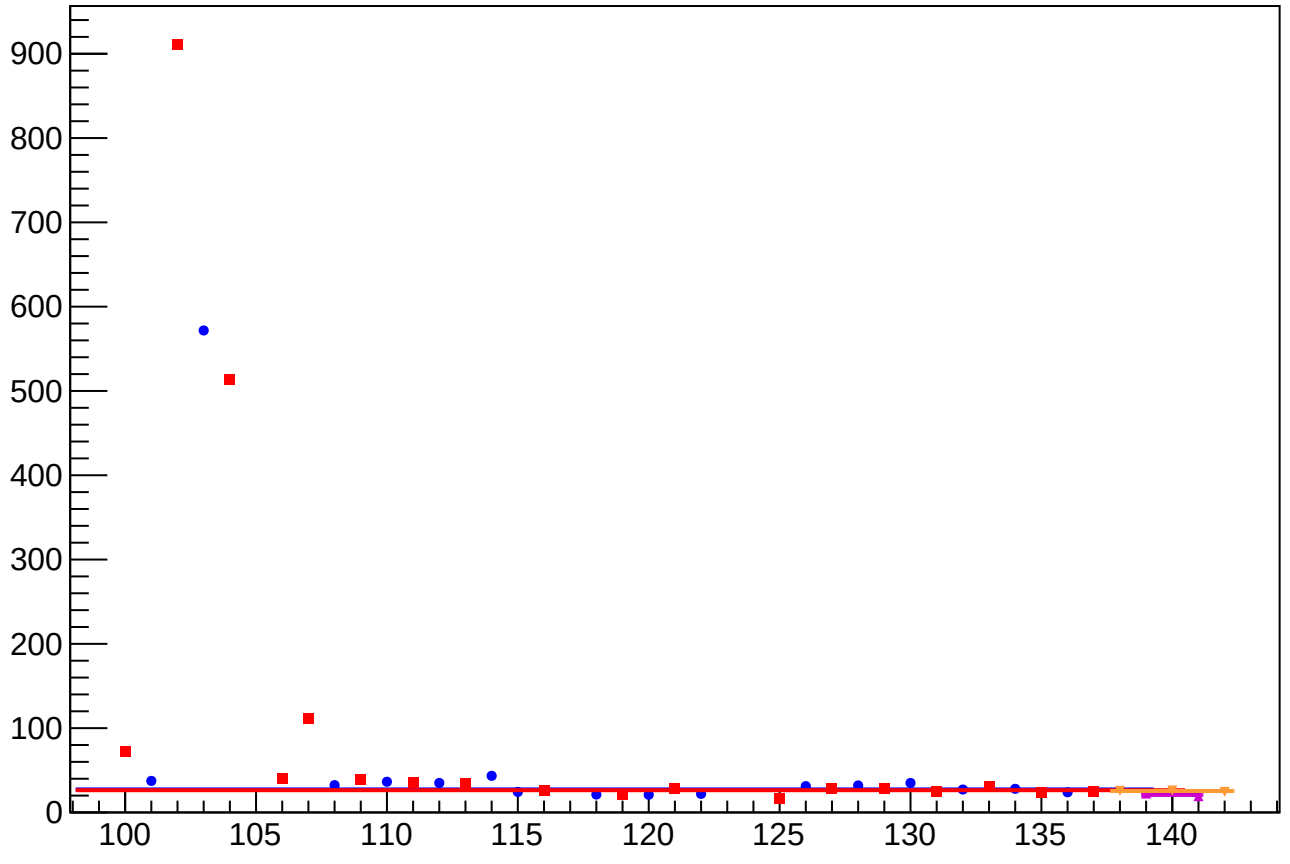
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.038+/-0.018 χ^2/NDF:0.9/1

\+ sign -0.008+/-0.010 χ^2/NDF: 16.6/18

All: 0.001+/-0.007 χ^2/NDF: 32.9/38

\- sign 0.010+/-0.010 χ^2/NDF: 14.5/19



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.465+/-0.013 χ^2/NDF:2248.0/2

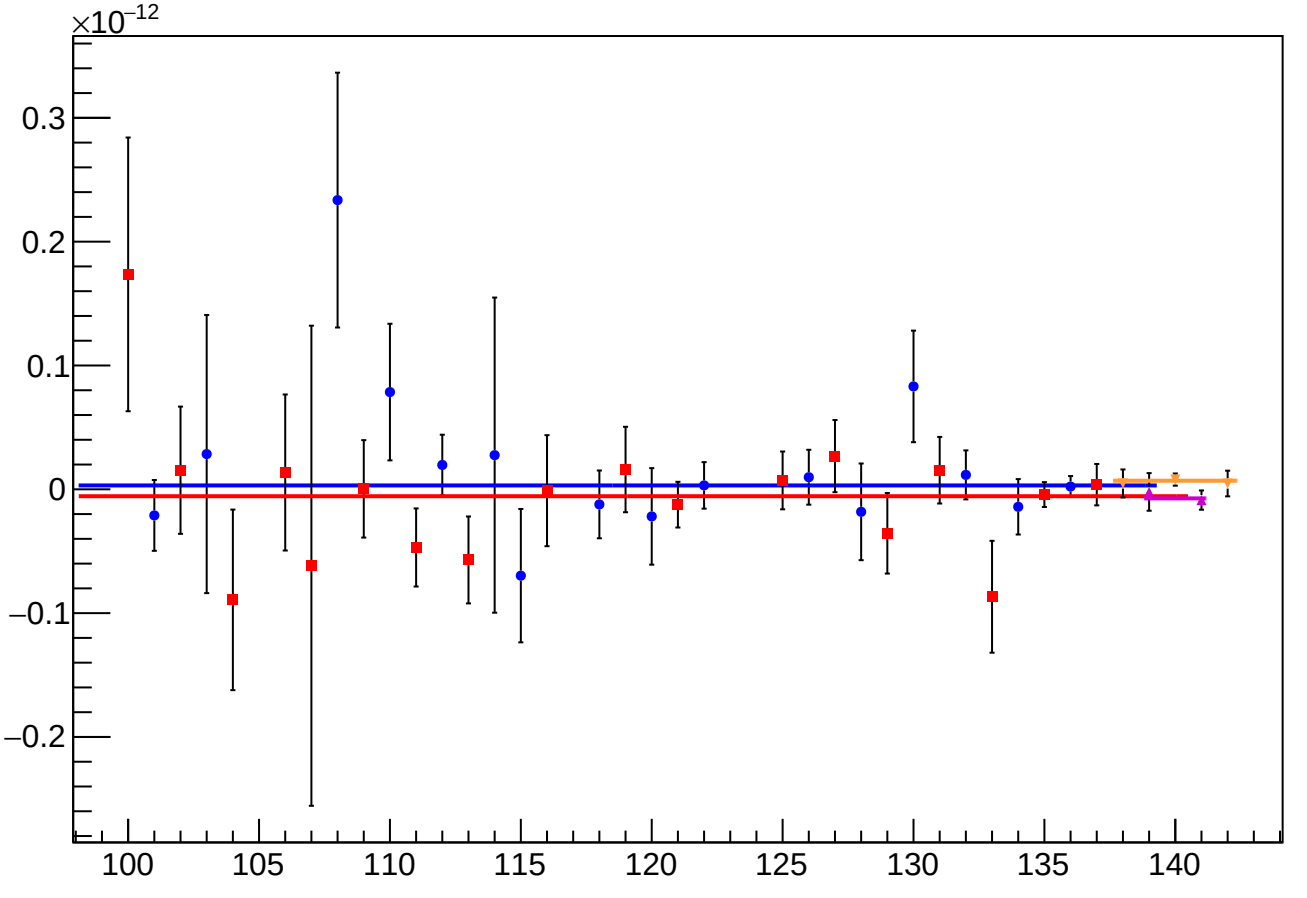
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.758+/-0.012 χ^2/NDF:15547.1/1

+ sign 26.808+/-0.007 χ^2/NDF: 1584271.5/18

All: 25.705+/-0.005 χ^2/NDF: 4405709.3/38

- sign 24.593+/-0.007 χ^2/NDF: 2771322.2/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/2

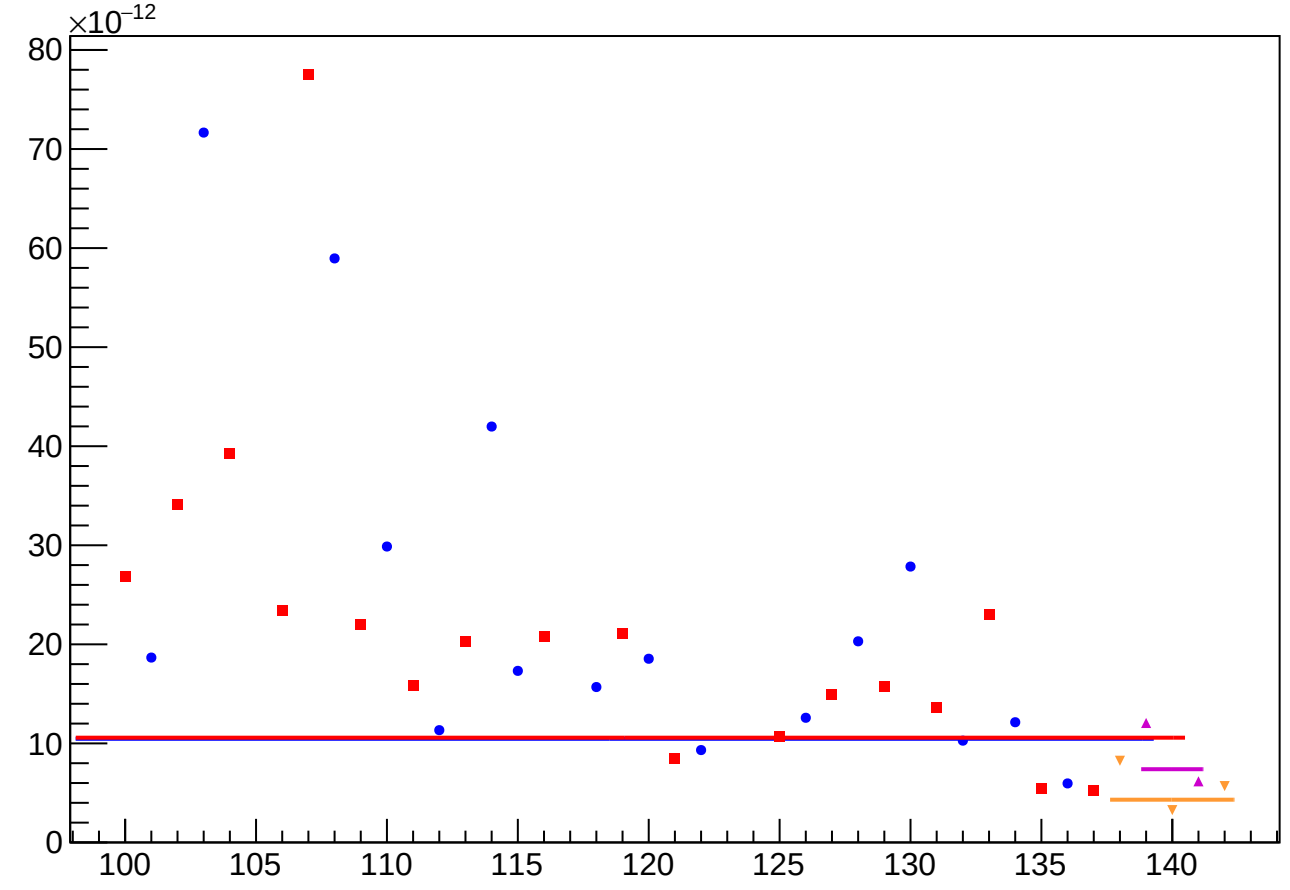
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 15.4/18

All: 0.000+/-0.000 χ^2/NDF: 35.4/38

- sign -0.000+/-0.000 χ^2/NDF: 15.5/19



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:367497.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

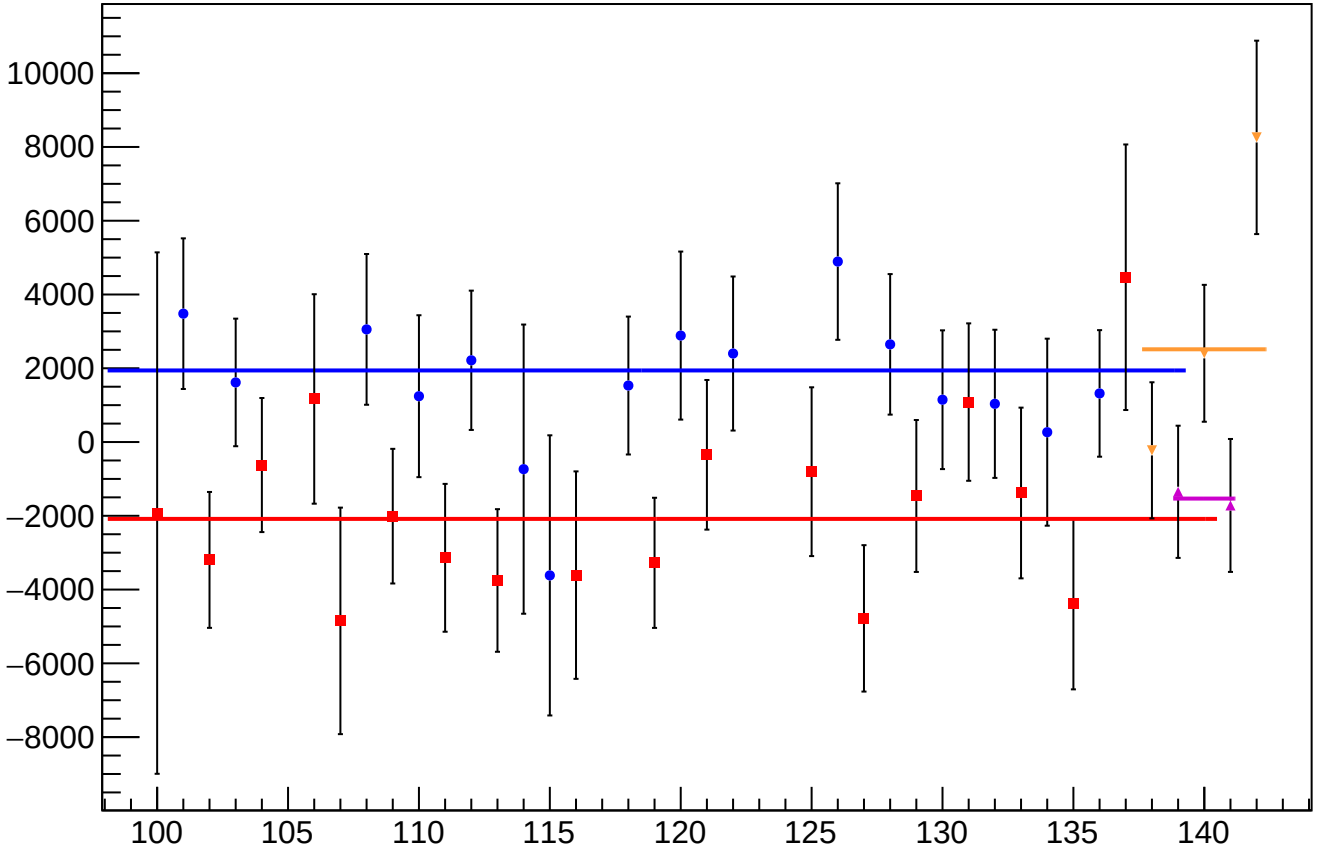
Left In: 0.000+/-0.000 χ^2/NDF:237990.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 4671676.2/18

All: 0.000+/-0.000 χ^2/NDF: 8397134.8/38

- sign 0.000+/-0.000 χ^2/NDF: 3247603.3/19

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.189+/-1170.878 χ^2/NDF:7.0/2

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

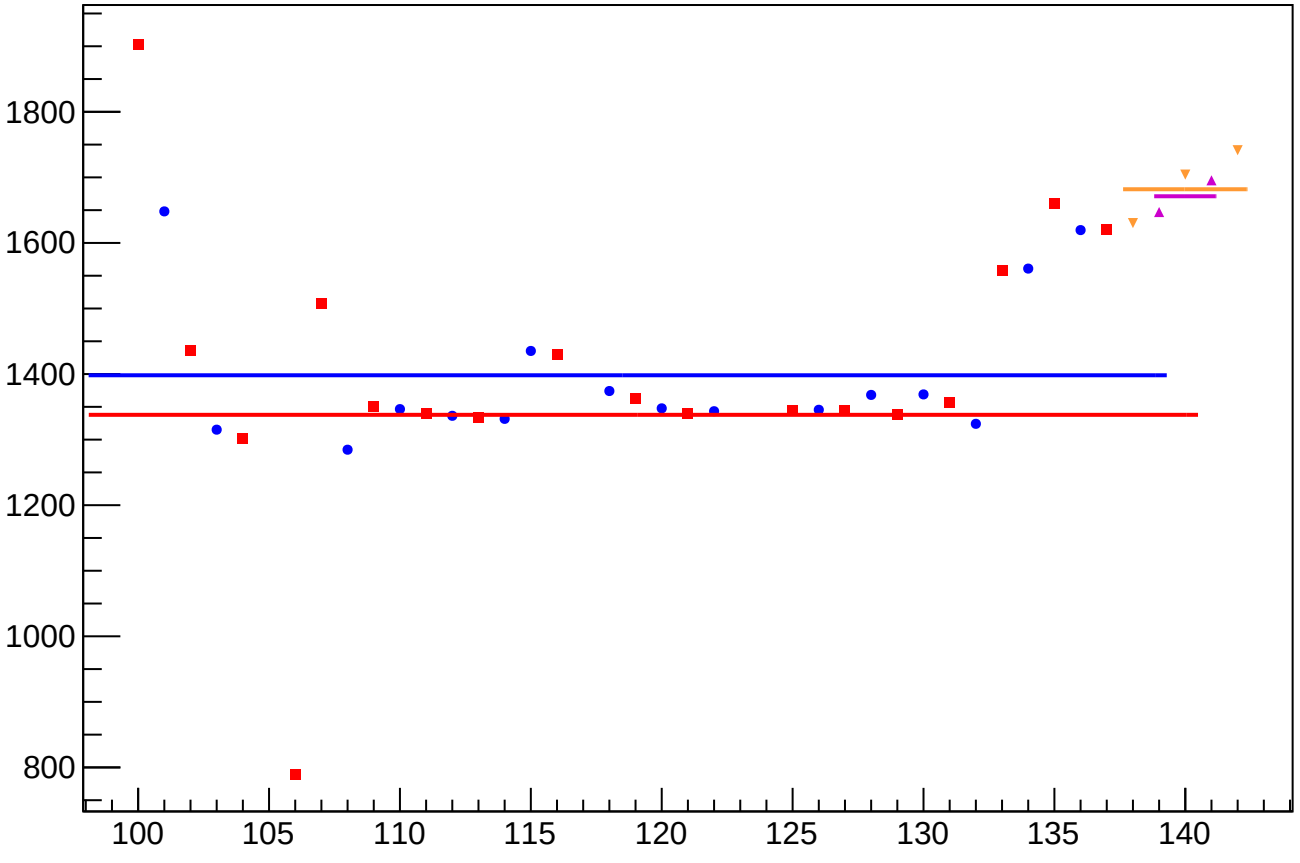
Left In: -1533.100+/-1270.775 χ^2/NDF:0.0/1

+ sign 2036.068+/-476.899 χ^2/NDF: 14.1/18

All: 32.540+/-338.637 χ^2/NDF: 64.4/38

- sign -2005.053+/-480.936 χ^2/NDF: 14.7/19

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

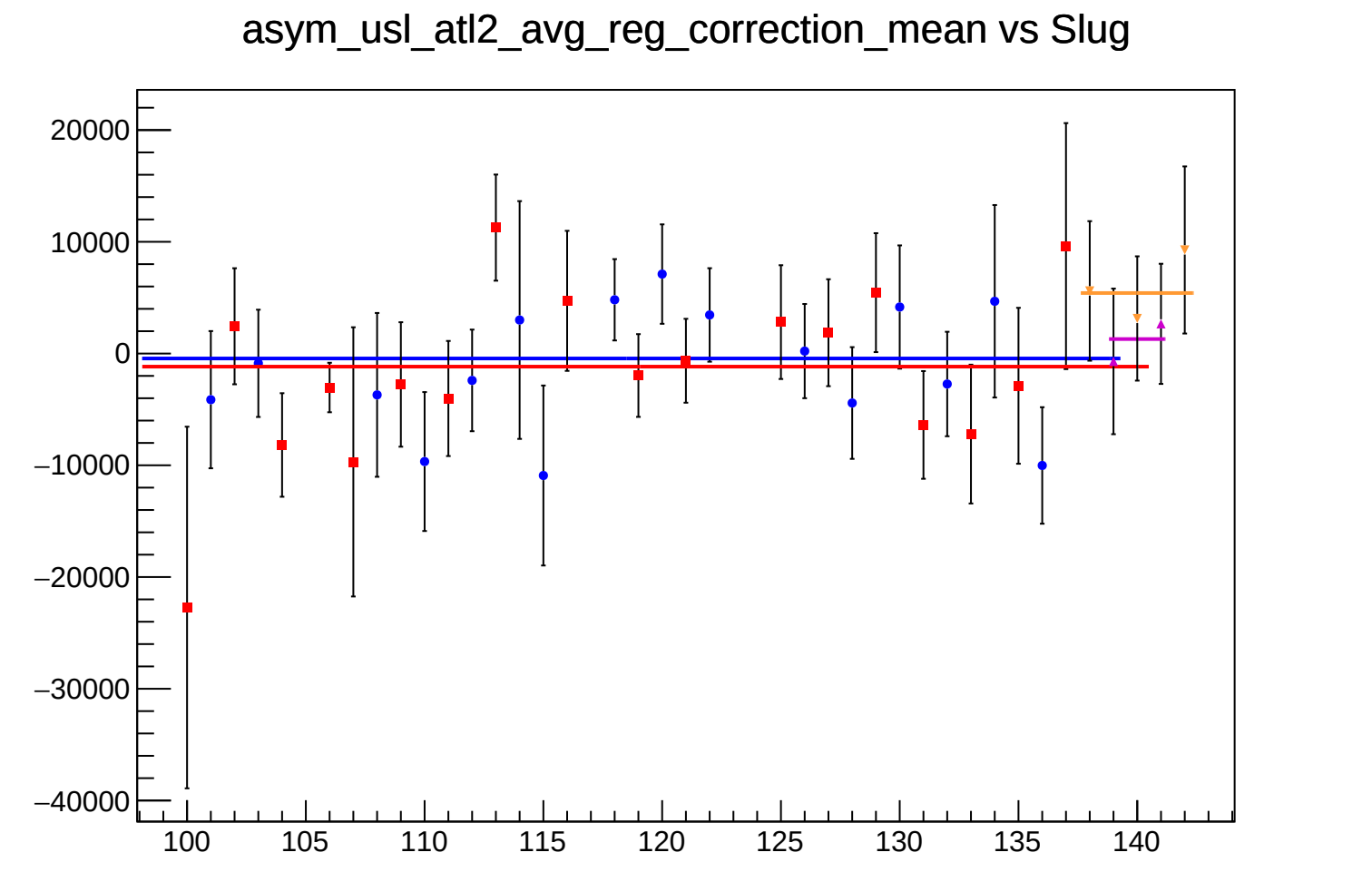
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

+ sign 1445.230+/-0.337 χ^2/NDF: 194768.0/18

All: 1413.540+/-0.236 χ^2/NDF: 649574.8/38

- sign 1383.027+/-0.331 χ^2/NDF: 437472.4/19



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 5416.397+/-3630.615 χ^2/NDF:0.4/2

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

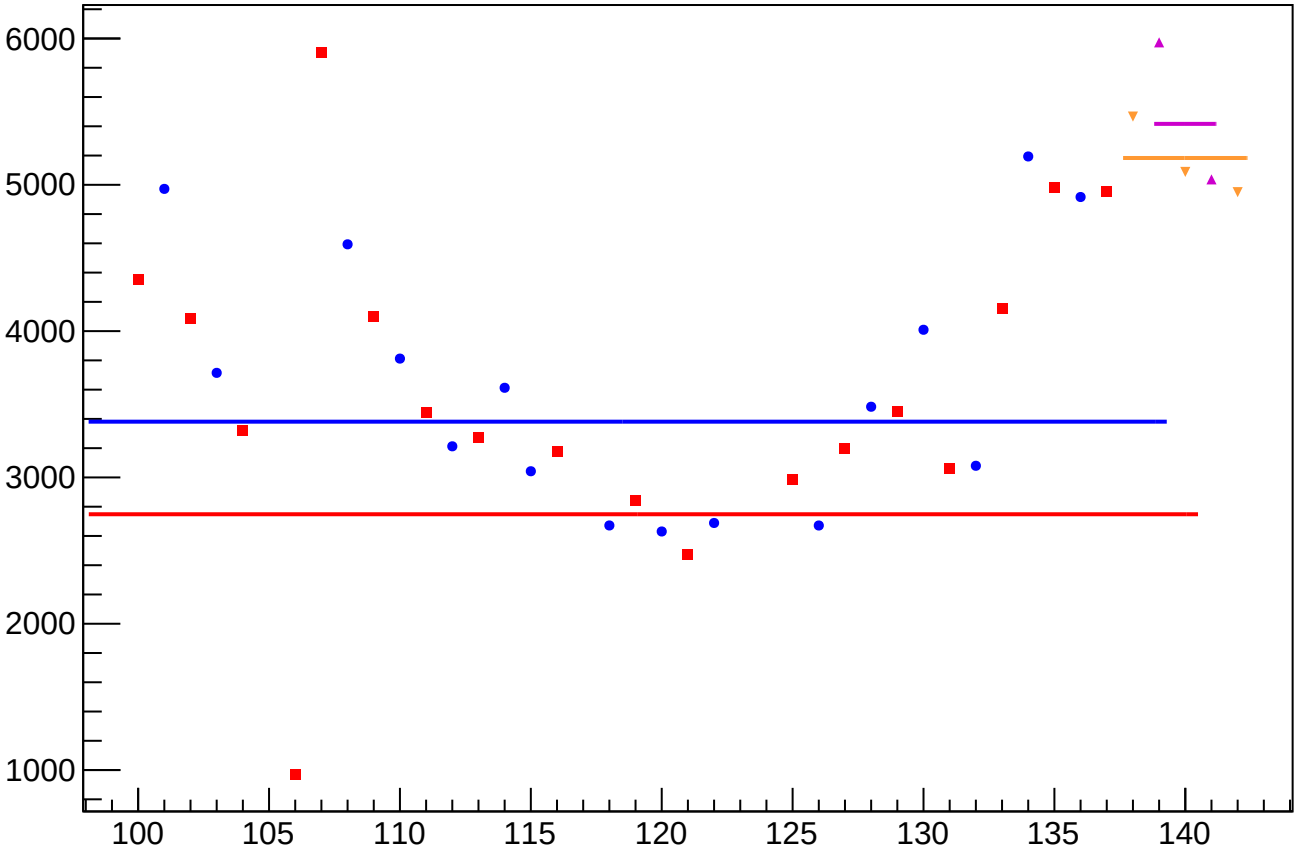
Left In: 1296.464+/-4146.397 χ^2/NDF:0.2/1

+ sign 220.816+/-1220.497 χ^2/NDF: 18.6/18

All: -465.336+/-809.291 χ^2/NDF: 39.4/38

- sign -1003.754+/-1081.150 χ^2/NDF: 20.2/19

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5183.317+/-2.567 χ^2/NDF:6647.5/2

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

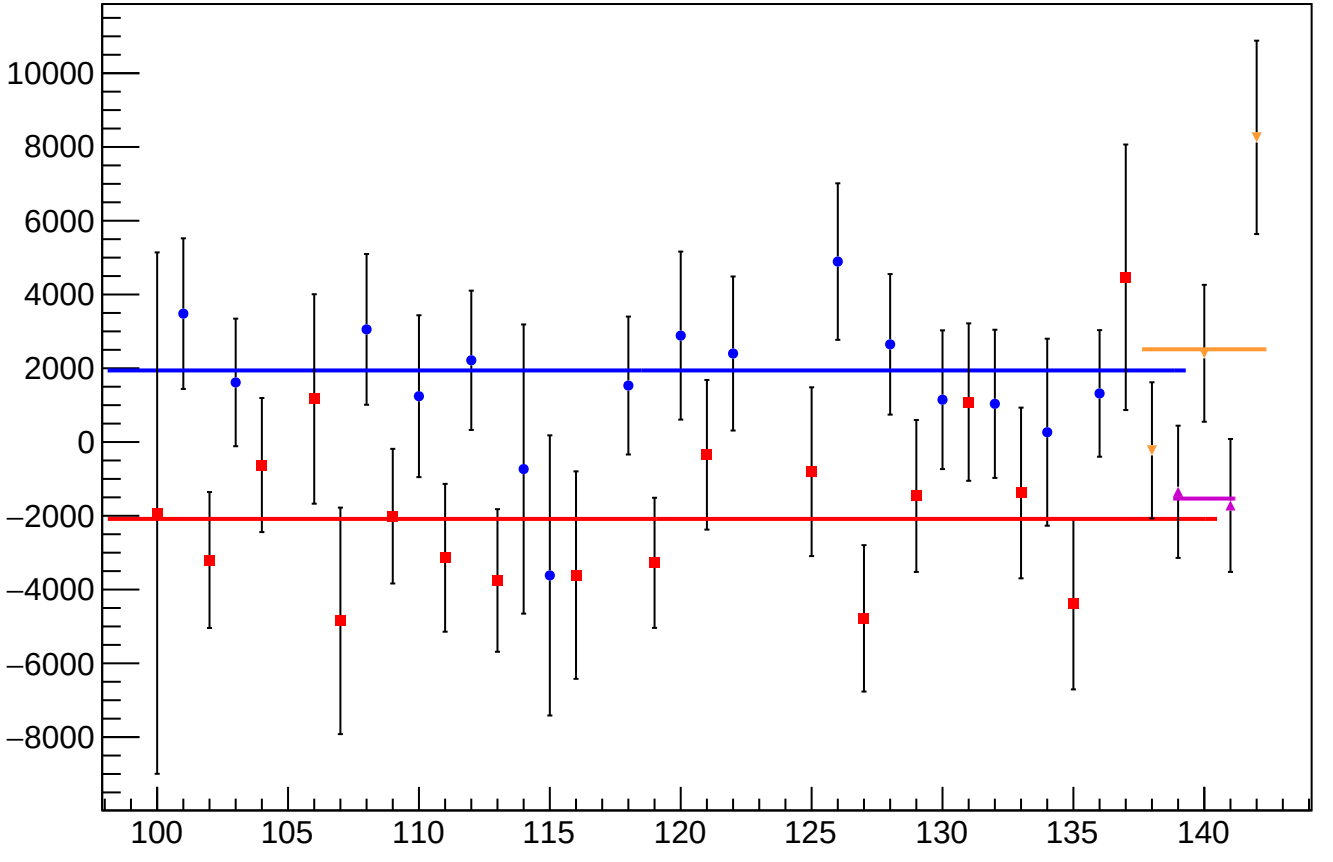
Left In: 5416.513+/-2.932 χ^2/NDF:24589.3/1

+ sign 3584.782+/-0.863 χ^2/NDF: 1200908.5/18

All: 3217.767+/-0.572 χ^2/NDF: 4584668.0/38

- sign 2929.773+/-0.764 χ^2/NDF: 3060993.1/19

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.430+/-1170.878 χ^2/NDF:7.0/2

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

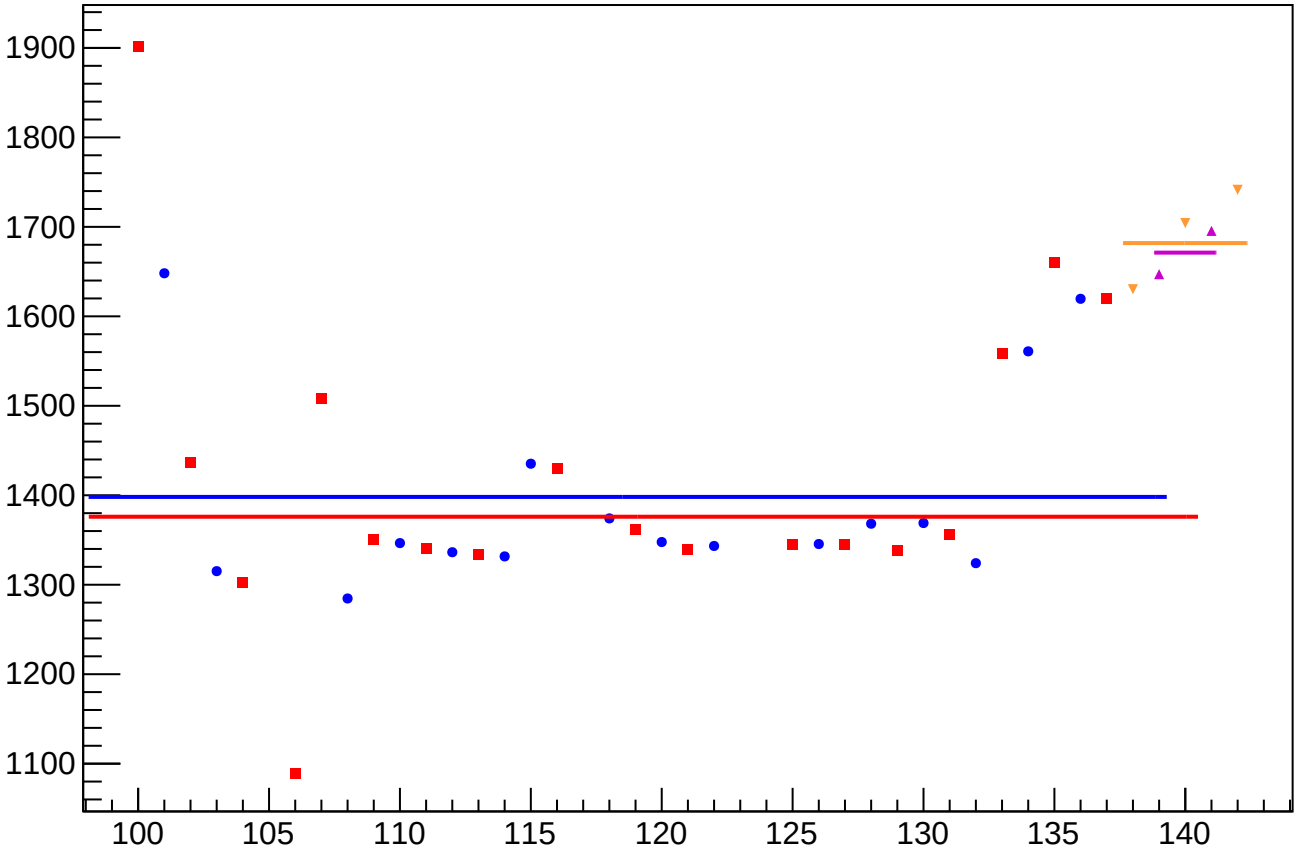
Left In: -1533.008+/-1270.775 χ^2/NDF:0.0/1

+ sign 2036.154+/-476.899 χ^2/NDF: 14.1/18

All: 32.510+/-338.638 χ^2/NDF: 64.4/38

- sign -2005.222+/-480.938 χ^2/NDF: 14.7/19

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

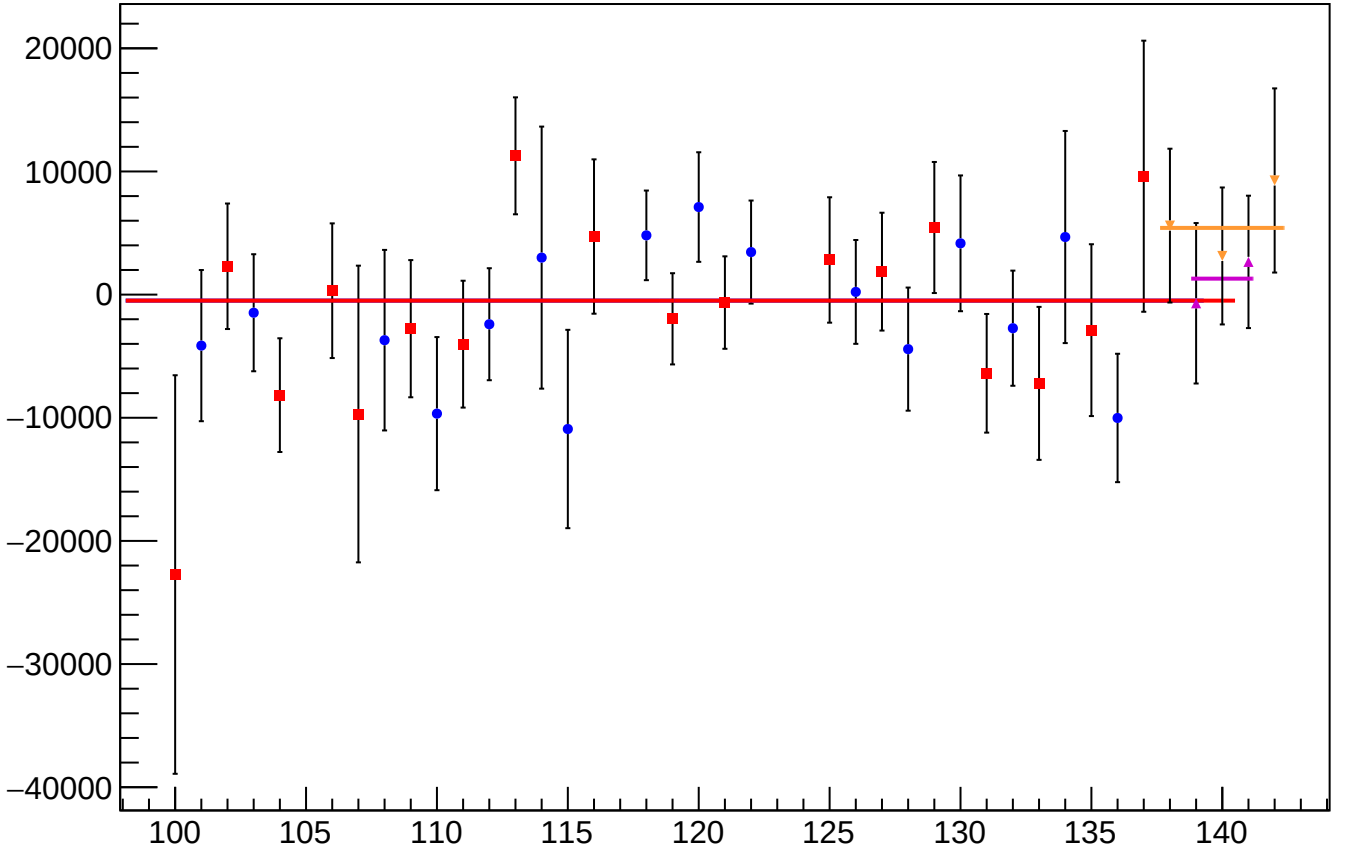
Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

+ sign 1445.230+/-0.337 χ^2/NDF: 194768.1/18

All: 1431.243+/-0.238 χ^2/NDF: 405763.0/38

- sign 1417.340+/-0.336 χ^2/NDF: 207564.4/19

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 5416.667+/-3630.620 χ^2/NDF:0.4/2

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

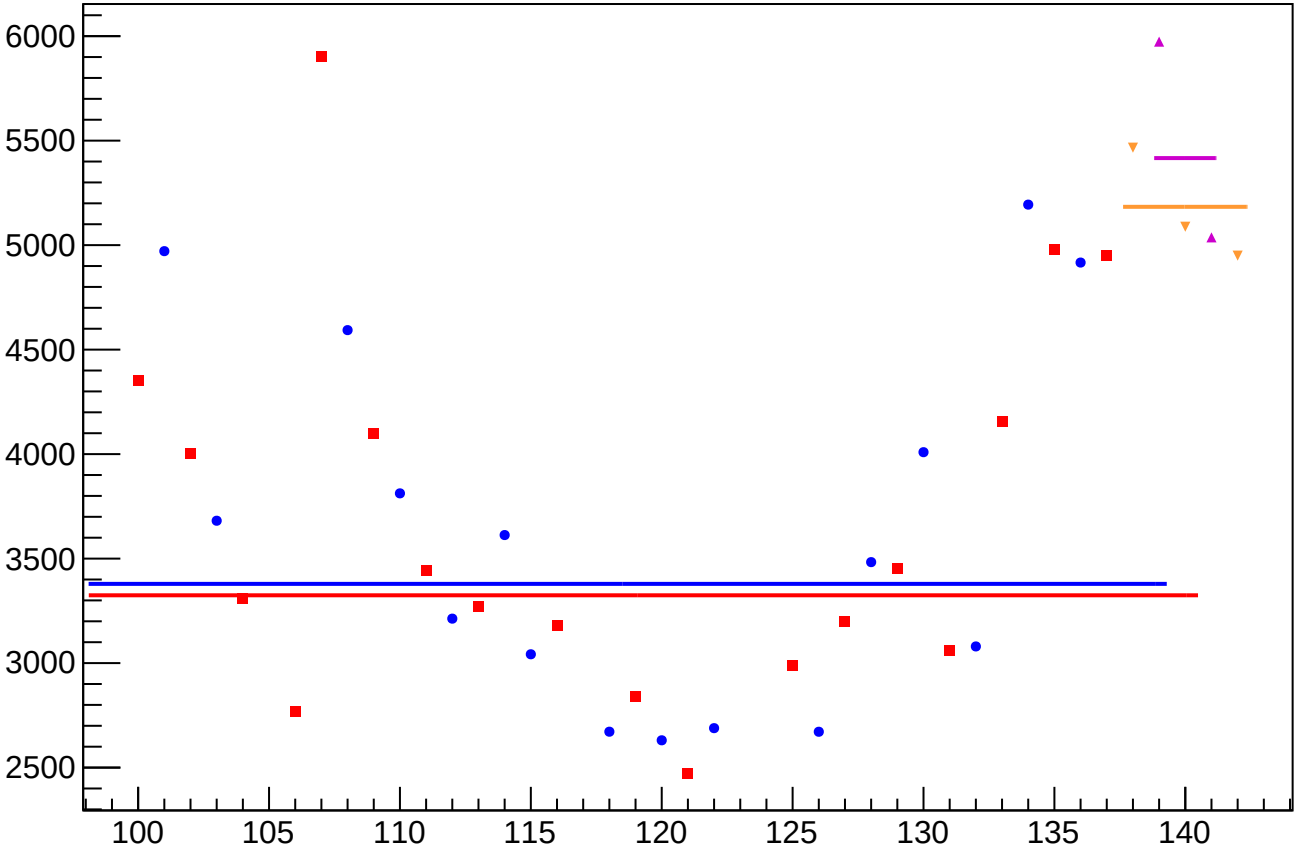
Left In: 1296.442+/-4146.390 χ^2/NDF:0.2/1

+ sign 179.653+/-1219.673 χ^2/NDF: 18.7/18

All: -81.637+/-857.822 χ^2/NDF: 37.9/38

- sign -337.406+/-1206.718 χ^2/NDF: 19.0/19

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5183.325+/-2.567 χ^2/NDF:6647.1/2

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

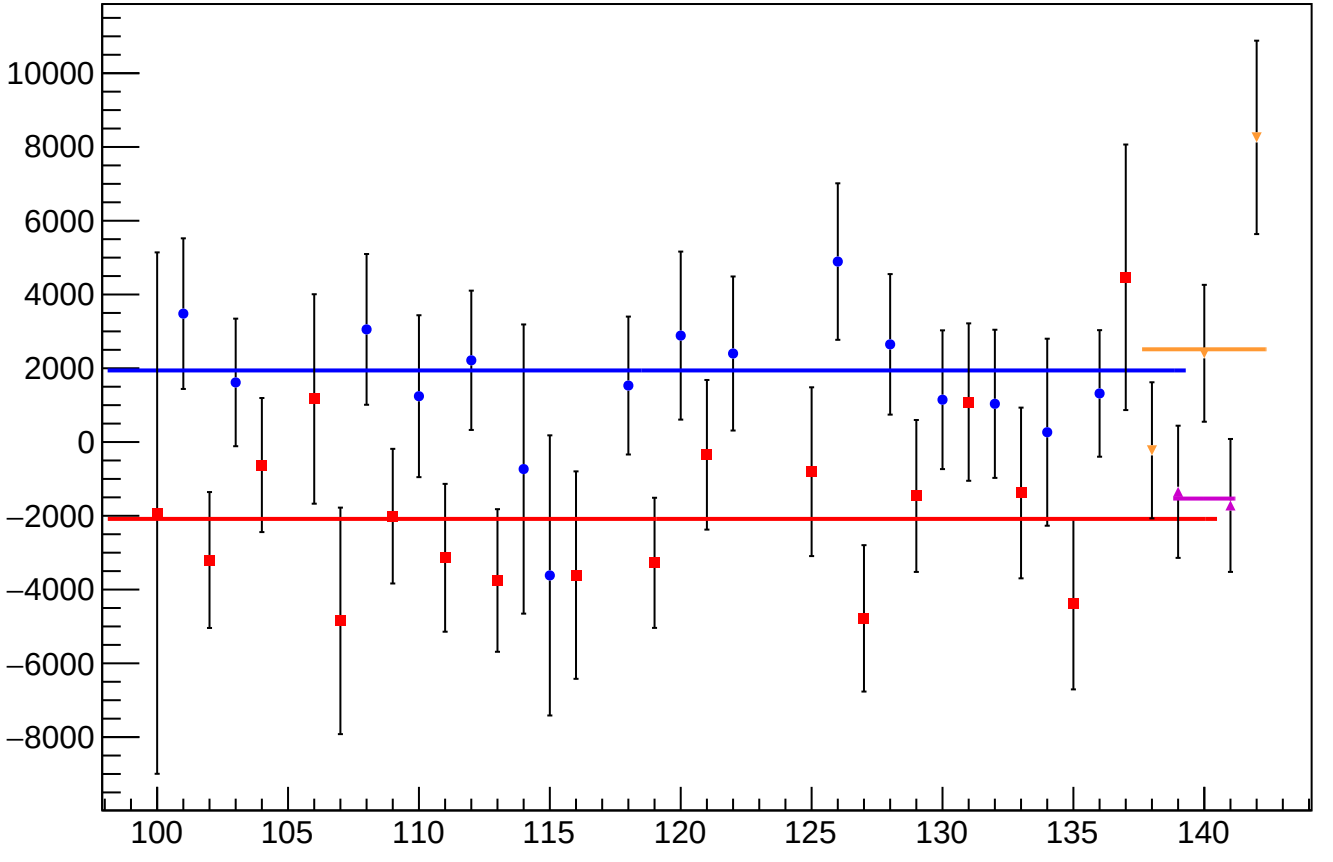
Left In: 5416.502+/-2.932 χ^2/NDF:24589.9/1

+ sign 3582.727+/-0.862 χ^2/NDF: 1200153.2/18

All: 3541.751+/-0.607 χ^2/NDF: 2239037.9/38

- sign 3501.641+/-0.853 χ^2/NDF: 1034417.8/19

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.430+/-1170.878 χ^2/NDF:7.0/2

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

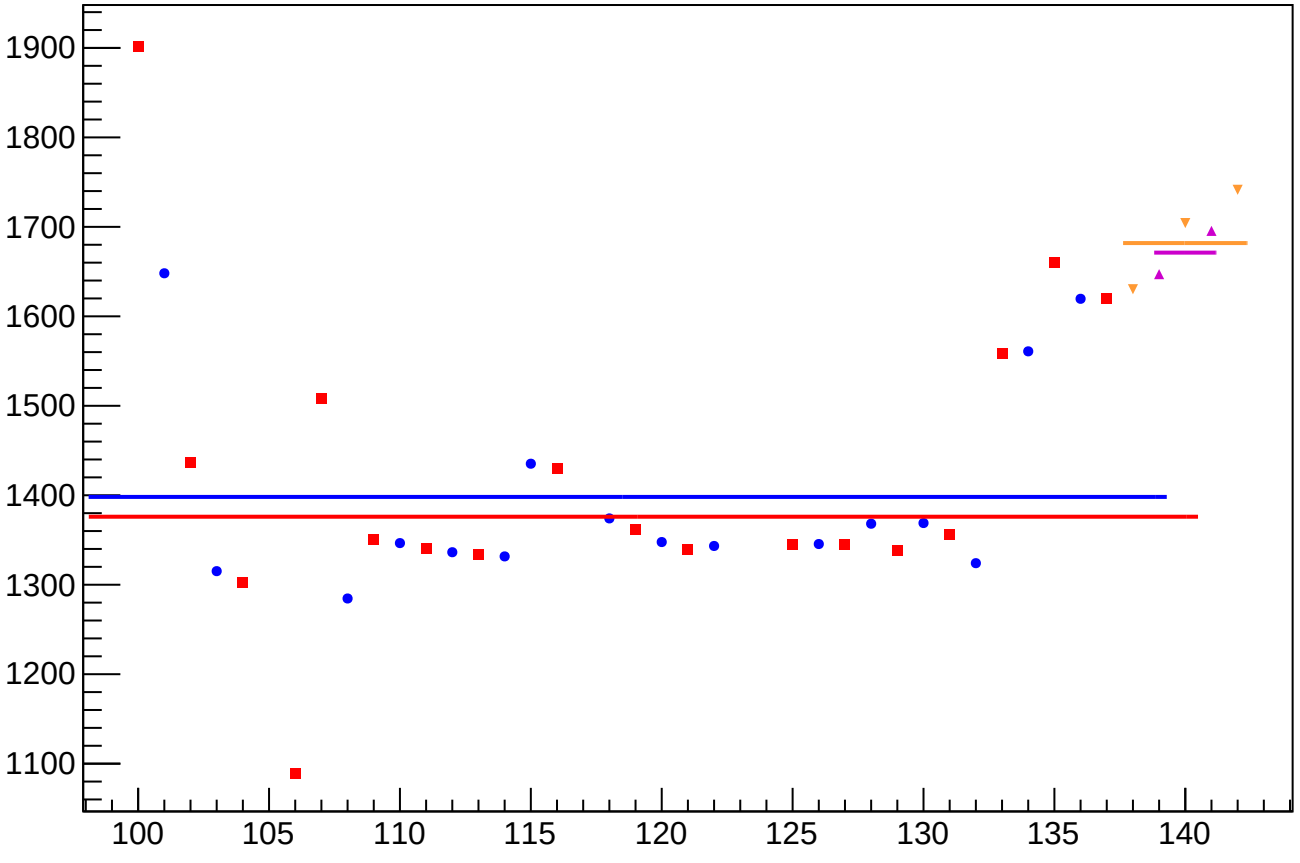
Left In: -1533.008+/-1270.775 χ^2/NDF:0.0/1

+ sign 2036.154+/-476.899 χ^2/NDF: 14.1/18

All: 32.510+/-338.638 χ^2/NDF: 64.4/38

- sign -2005.222+/-480.938 χ^2/NDF: 14.7/19

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

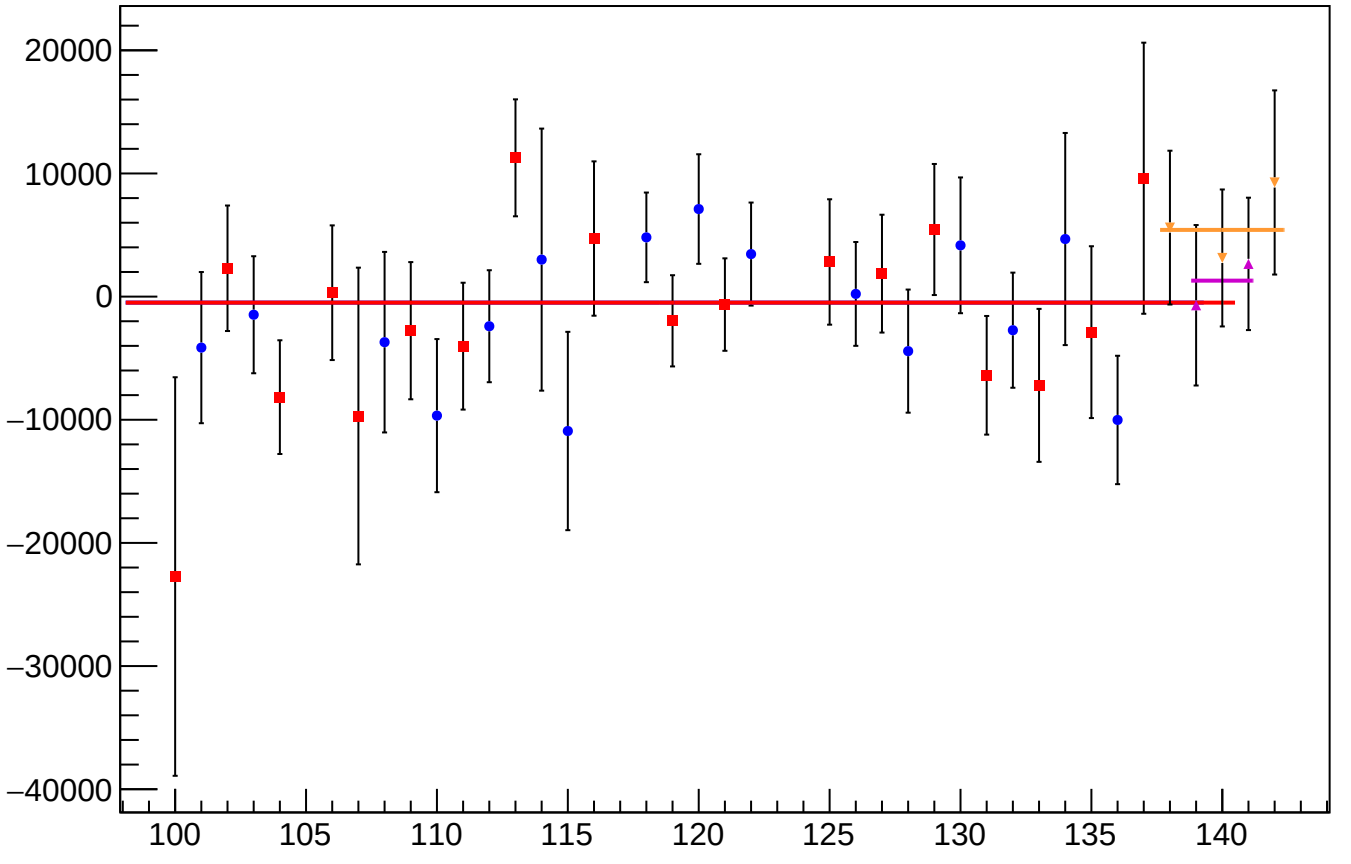
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

+ sign 1445.230+/-0.337 χ^2/NDF: 194768.1/18

All: 1431.243+/-0.238 χ^2/NDF: 405763.0/38

- sign 1417.340+/-0.336 χ^2/NDF: 207564.4/19



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 5416.667+/-3630.620 χ^2/NDF:0.4/2

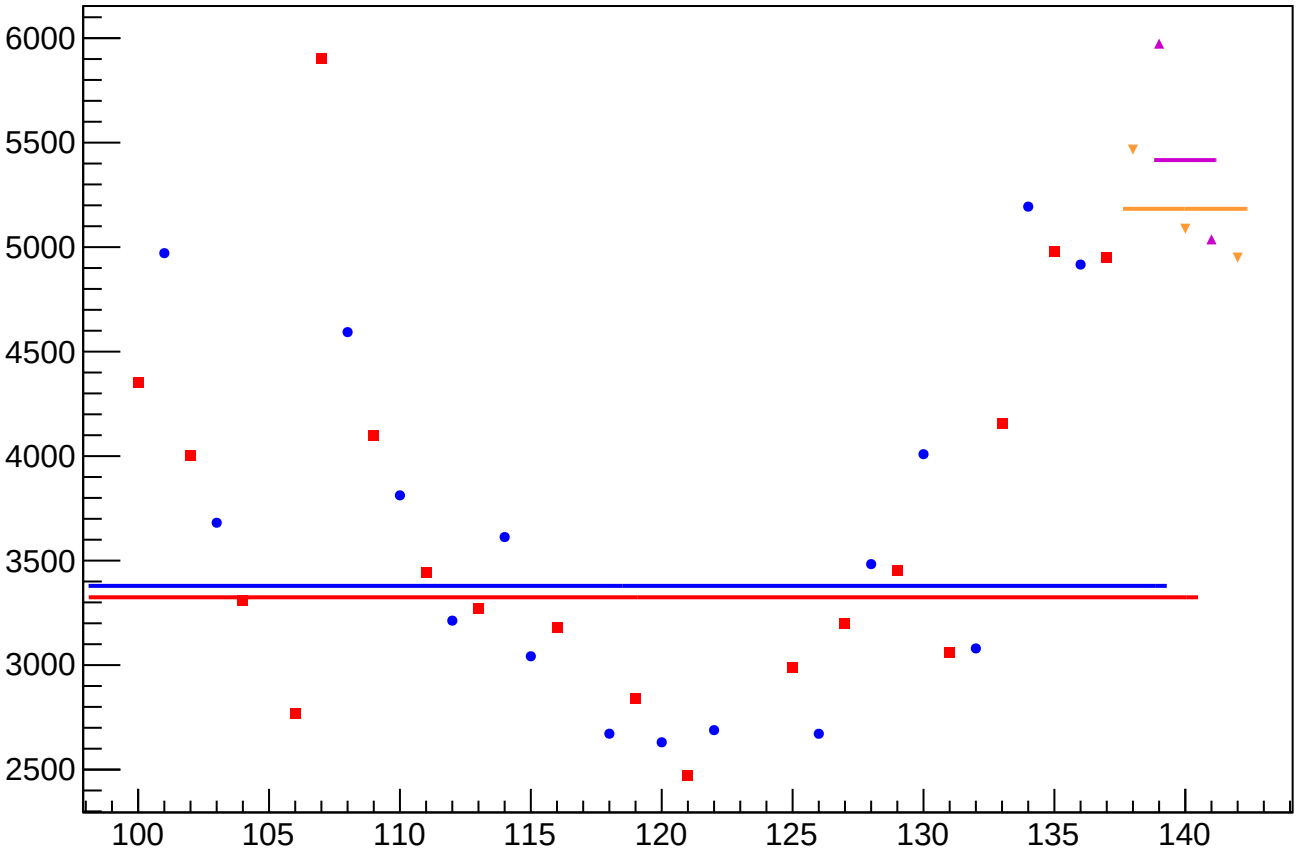
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1296.442+/-4146.390 χ^2/NDF:0.2/1

+ sign 179.653+/-1219.673 χ^2/NDF: 18.7/18

All: -81.637+/-857.822 χ^2/NDF: 37.9/38

- sign -337.406+/-1206.718 χ^2/NDF: 19.0/19



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5183.325+/-2.567 χ^2/NDF:6647.1/2

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

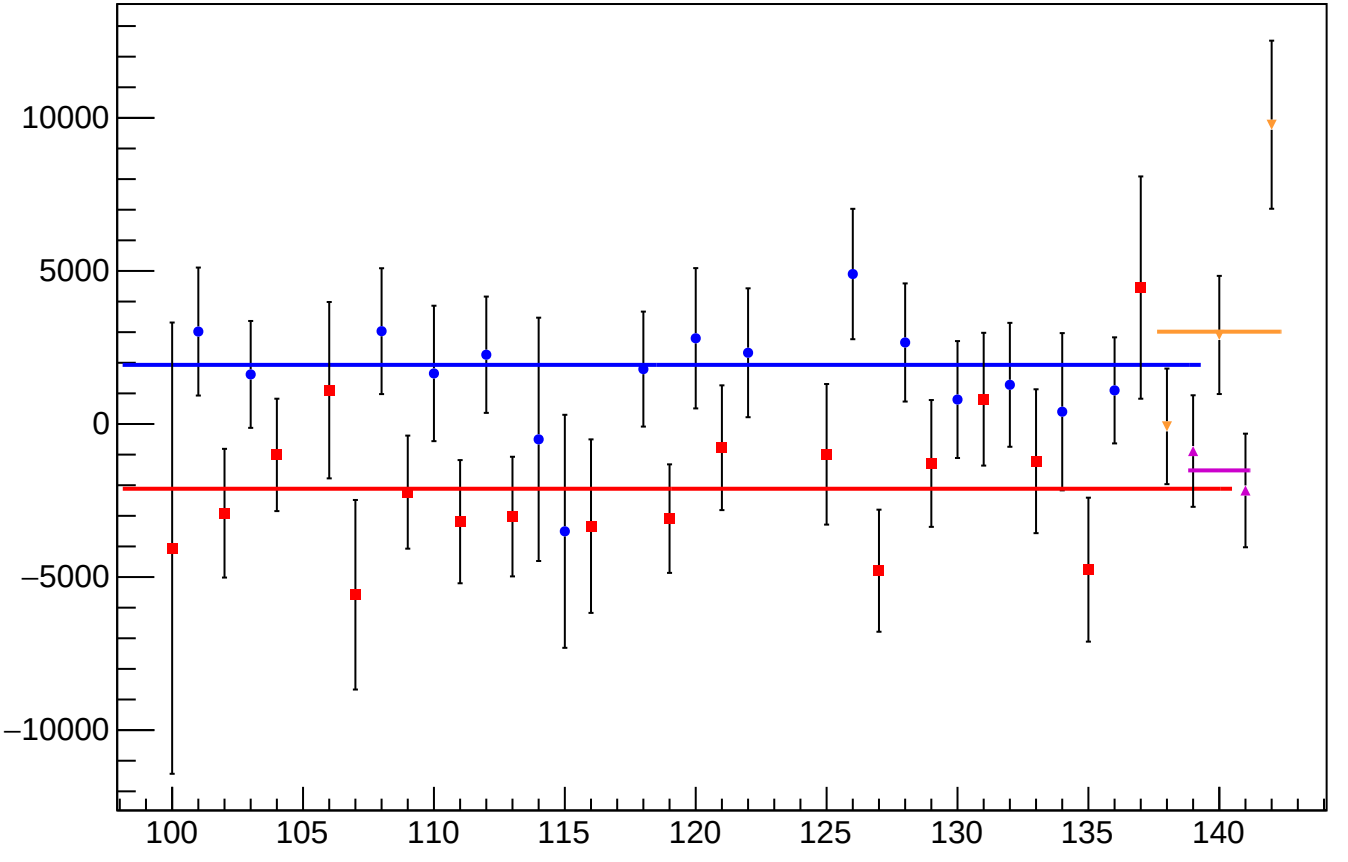
Left In: 5416.502+/-2.932 χ^2/NDF:24589.9/1

+ sign 3582.727+/-0.862 χ^2/NDF: 1200153.2/18

All: 3541.751+/-0.607 χ^2/NDF: 2239037.9/38

- sign 3501.641+/-0.853 χ^2/NDF: 1034417.8/19

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3015.825+/-1211.172 χ^2/NDF:8.8/2

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

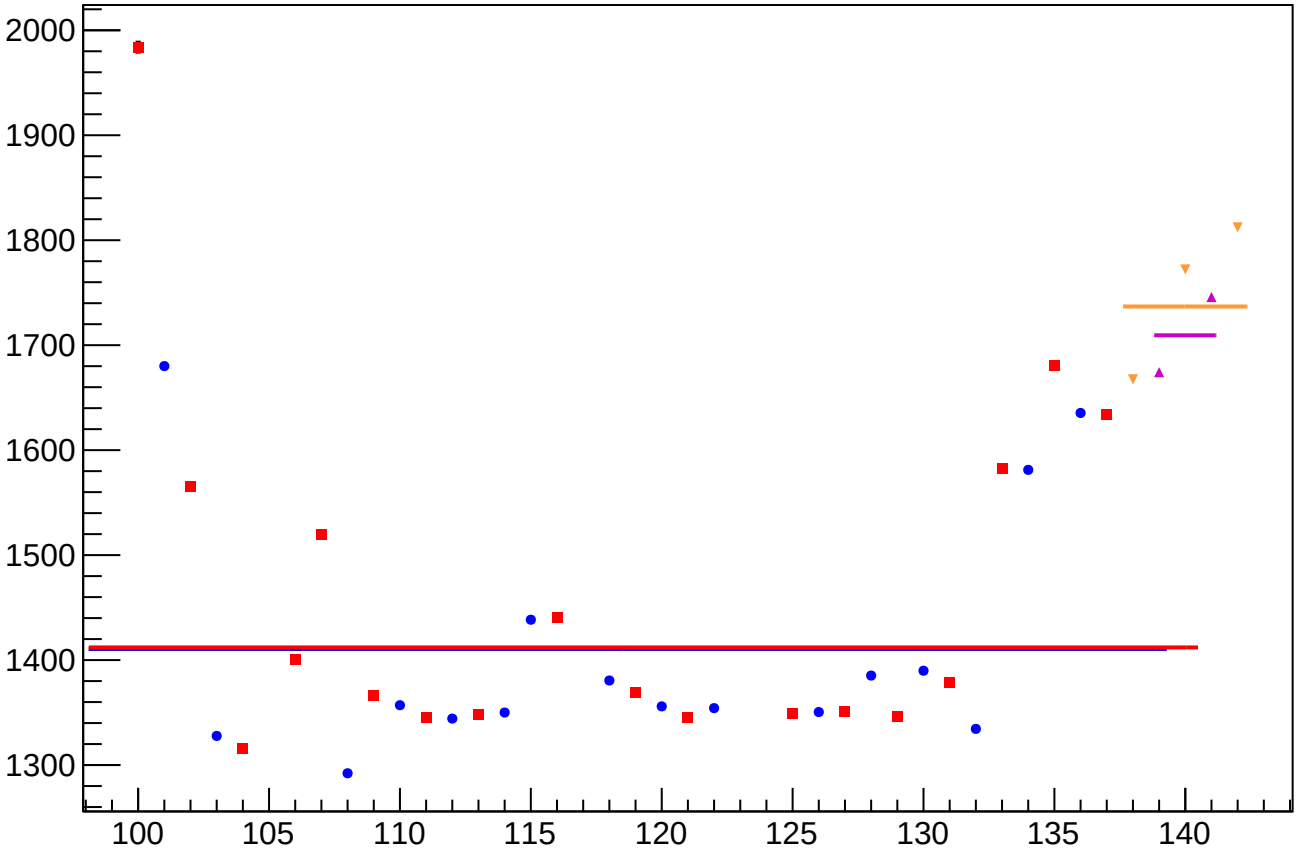
Left In: -1515.730+/-1300.195 χ^2/NDF:0.2/1

+ sign 2104.216+/-483.341 χ^2/NDF: 15.8/18

All: 64.655+/-344.048 χ^2/NDF: 65.5/38

- sign -2030.109+/-489.839 χ^2/NDF: 13.6/19

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1736.865+/-0.856 χ^2/NDF:4878.1/2

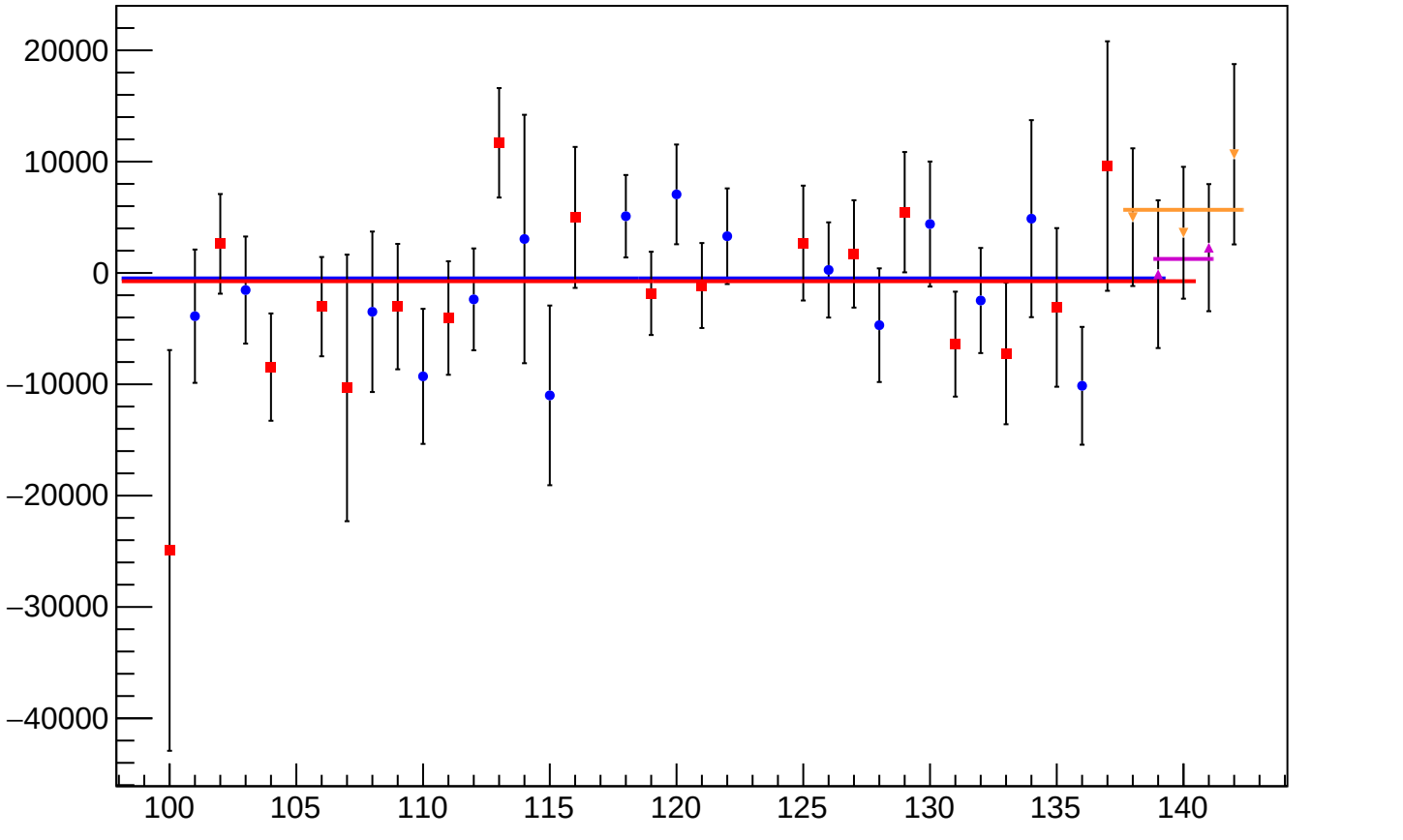
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1709.409+/-0.919 χ^2/NDF:1517.7/1

+ sign 1462.556+/-0.342 χ^2/NDF: 226049.3/18

All: 1458.355+/-0.243 χ^2/NDF: 407408.8/38

- sign 1454.061+/-0.346 χ^2/NDF: 181054.1/19



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 5672.662+/-3781.982 χ^2/NDF:0.5/2

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

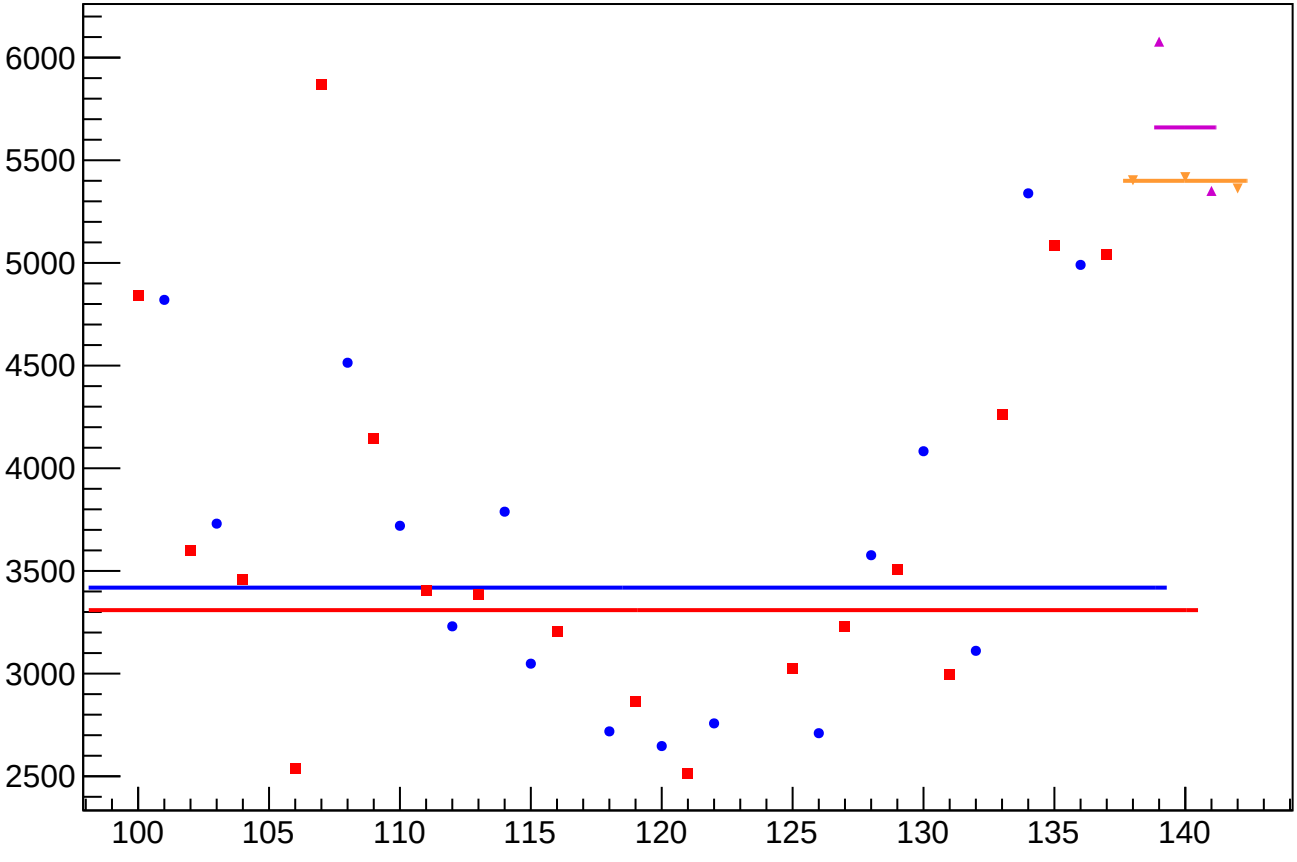
Left In: 1259.386+/-4327.843 χ^2/NDF:0.1/1

+ sign 169.537+/-1236.741 χ^2/NDF: 18.7/18

All: -220.455+/-860.889 χ^2/NDF: 38.4/38

- sign -587.064+/-1199.092 χ^2/NDF: 19.5/19

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5399.940+/-2.674 χ^2/NDF:60.6/2

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

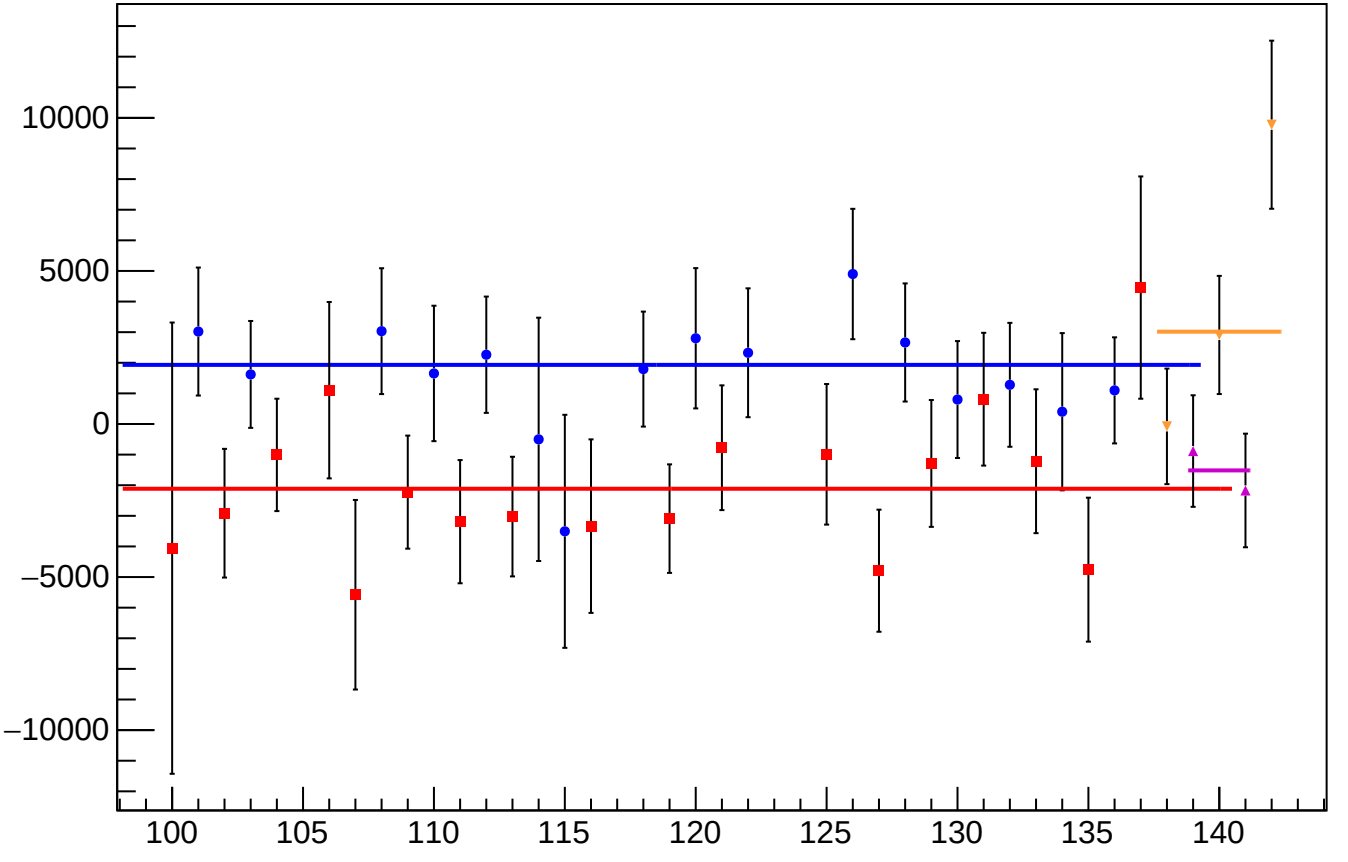
Left In: 5659.971+/-3.060 χ^2/NDF:13793.1/1

+ sign 3630.564+/-0.875 χ^2/NDF: 1211447.4/18

All: 3557.891+/-0.609 χ^2/NDF: 2355397.9/38

- sign 3489.575+/-0.848 χ^2/NDF: 1130552.8/19

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3015.837+/-1211.173 χ^2/NDF:8.8/2

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

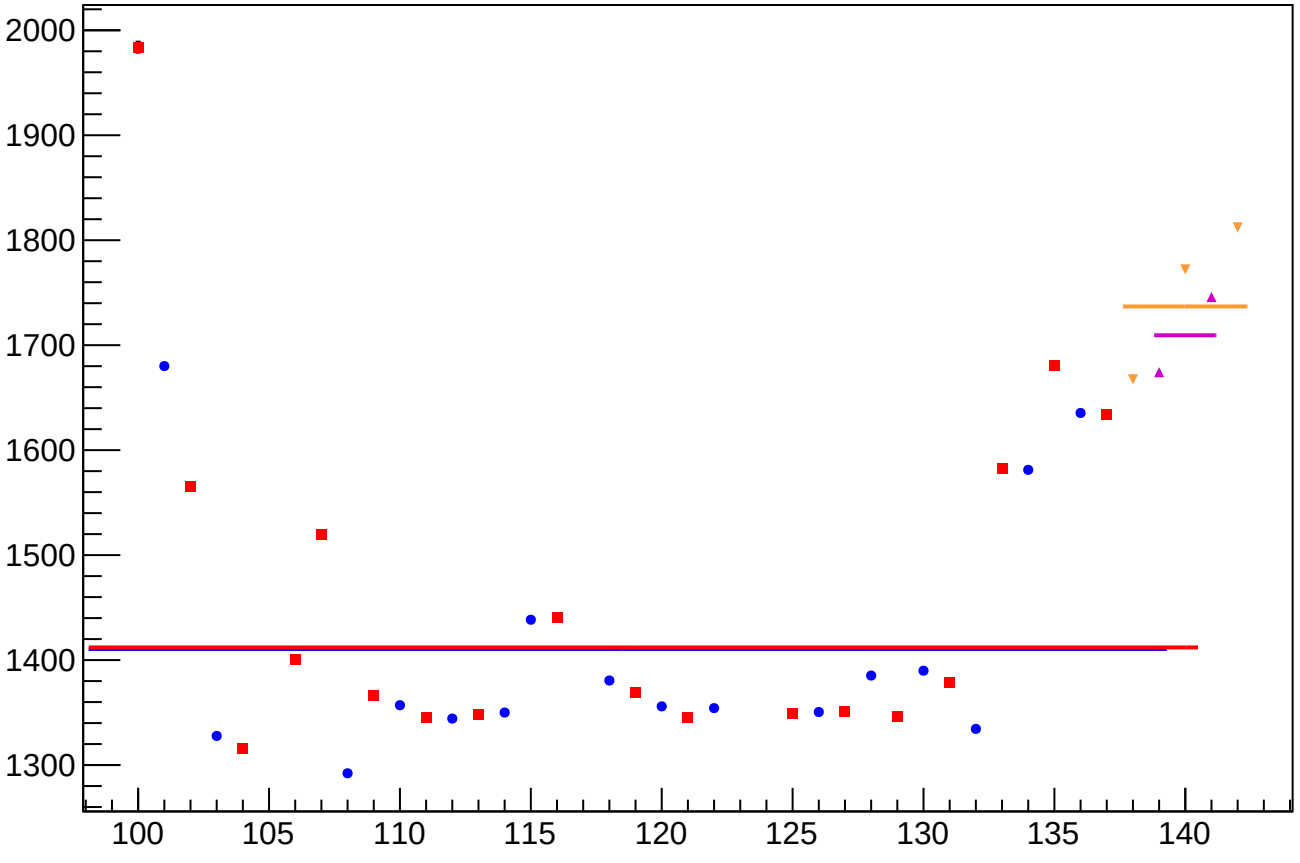
Left In: -1515.729+/-1300.196 χ^2/NDF:0.2/1

+ sign 2104.219+/-483.342 χ^2/NDF: 15.8/18

All: 64.657+/-344.048 χ^2/NDF: 65.5/38

- sign -2030.110+/-489.839 χ^2/NDF: 13.6/19

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1736.866+/-0.856 χ^2/NDF:4878.3/2

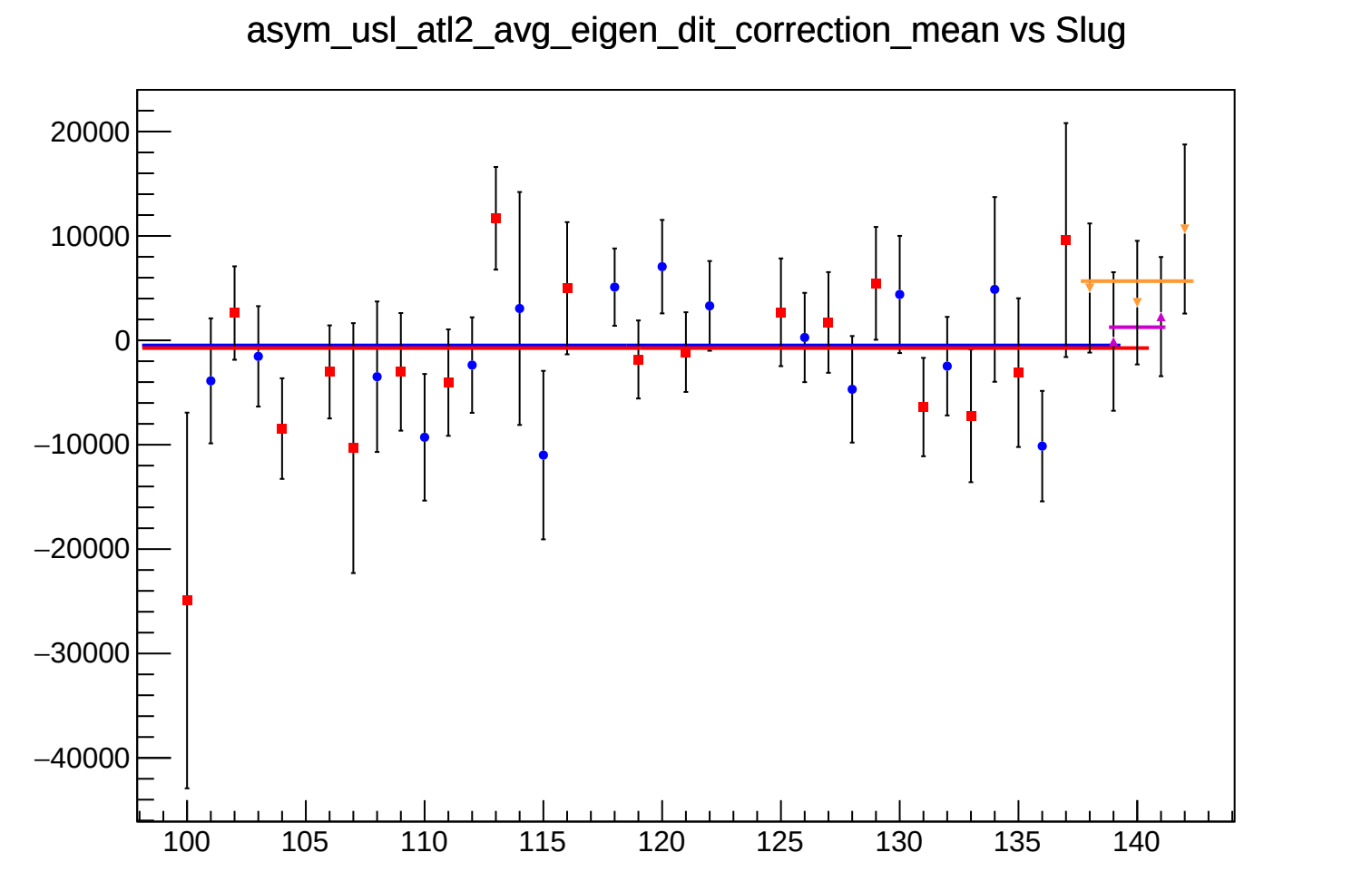
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1709.411+/-0.919 χ^2/NDF:1517.7/1

+ sign 1462.556+/-0.342 χ^2/NDF: 226050.1/18

All: 1458.355+/-0.243 χ^2/NDF: 407410.6/38

- sign 1454.061+/-0.346 χ^2/NDF: 181055.0/19



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 5672.683+/-3781.992 χ^2/NDF:0.5/2

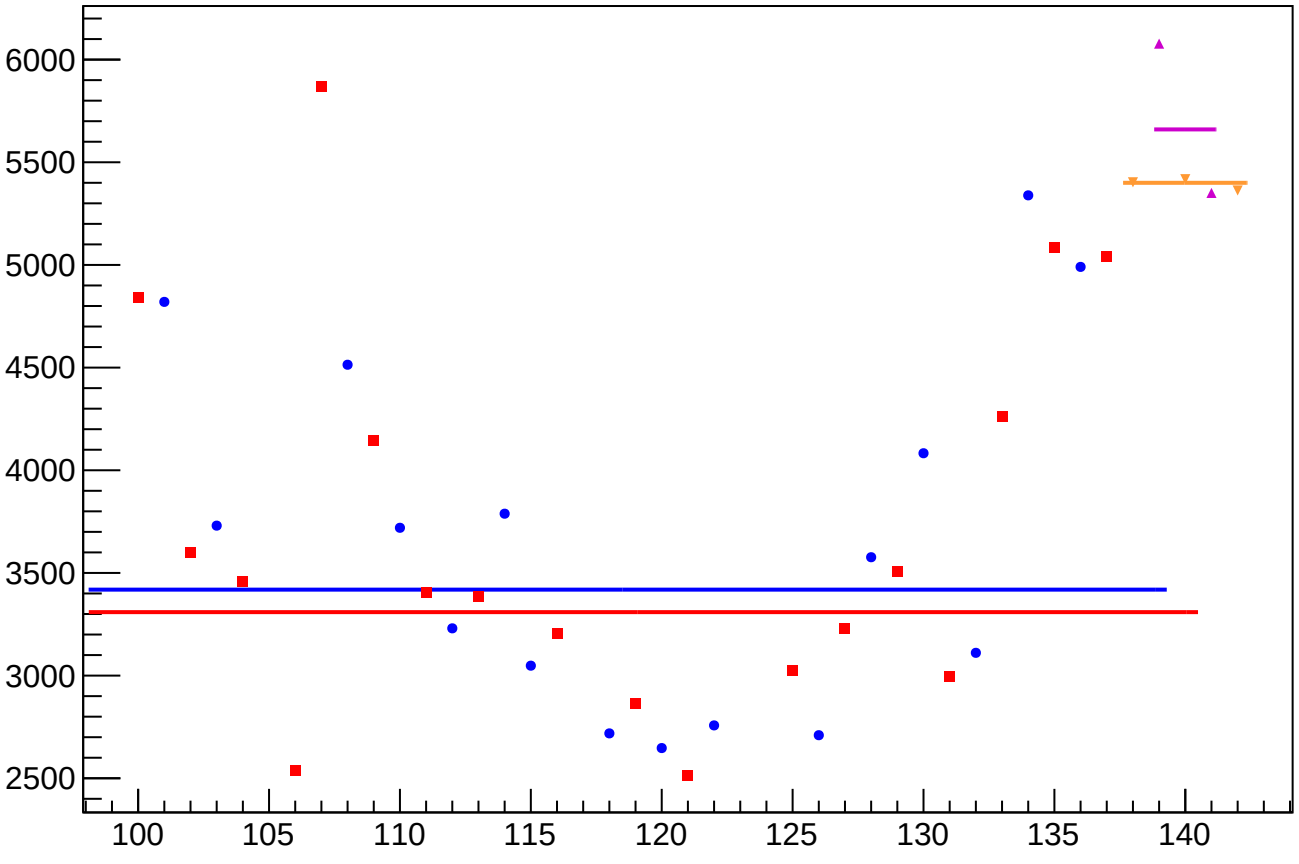
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1259.386+/-4327.853 χ^2/NDF:0.1/1

+ sign 169.539+/-1236.738 χ^2/NDF: 18.7/18

All: -220.456+/-860.886 χ^2/NDF: 38.4/38

- sign -587.068+/-1199.089 χ^2/NDF: 19.5/19



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5399.954+/-2.674 χ^2/NDF:60.6/2

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

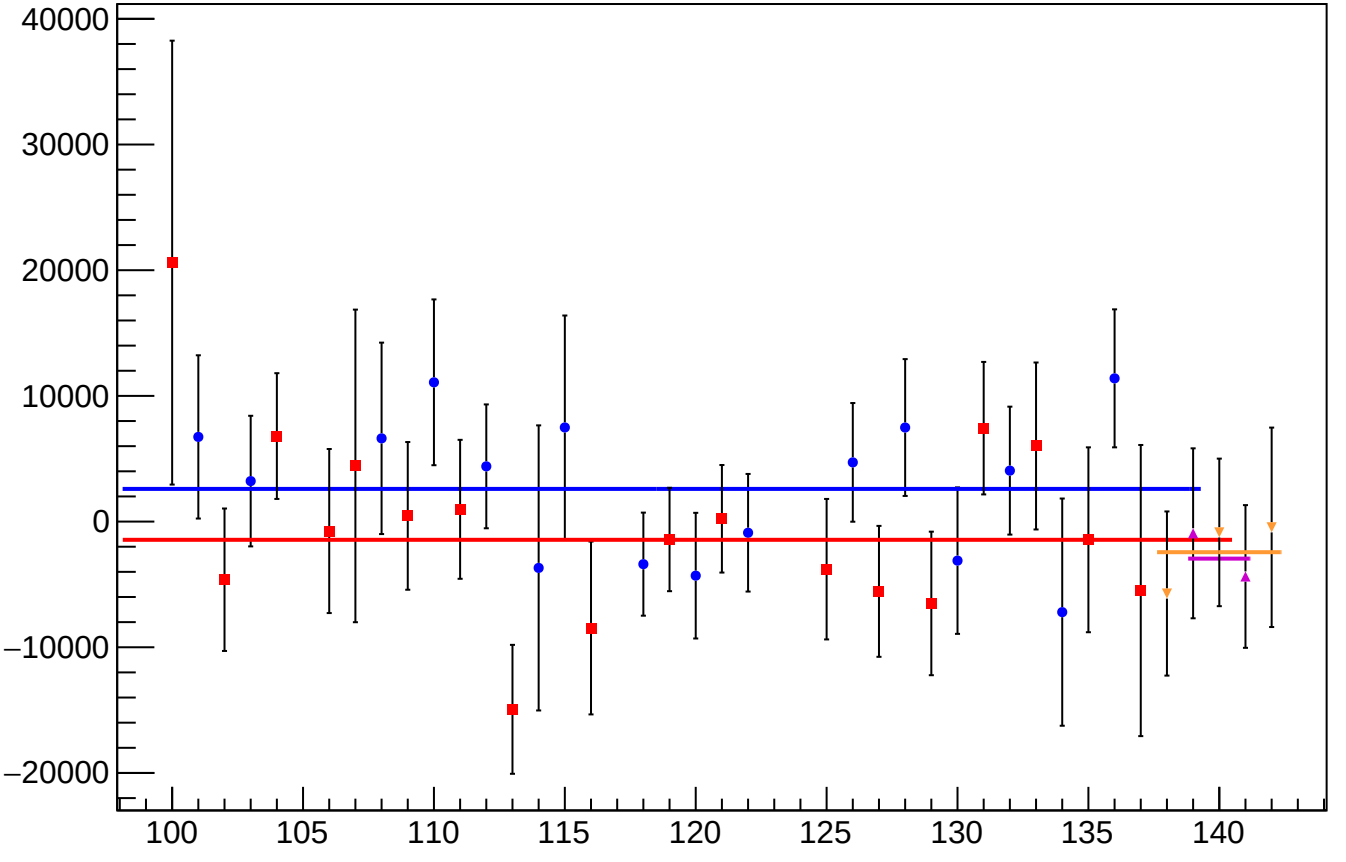
Left In: 5659.983+/-3.060 χ^2/NDF:13793.5/1

+ sign 3630.553+/-0.875 χ^2/NDF: 1211466.5/18

All: 3557.881+/-0.609 χ^2/NDF: 2355429.6/38

- sign 3489.565+/-0.848 χ^2/NDF: 1130565.5/19

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -2434.984+/-3824.806 χ^2/NDF:0.4/2

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

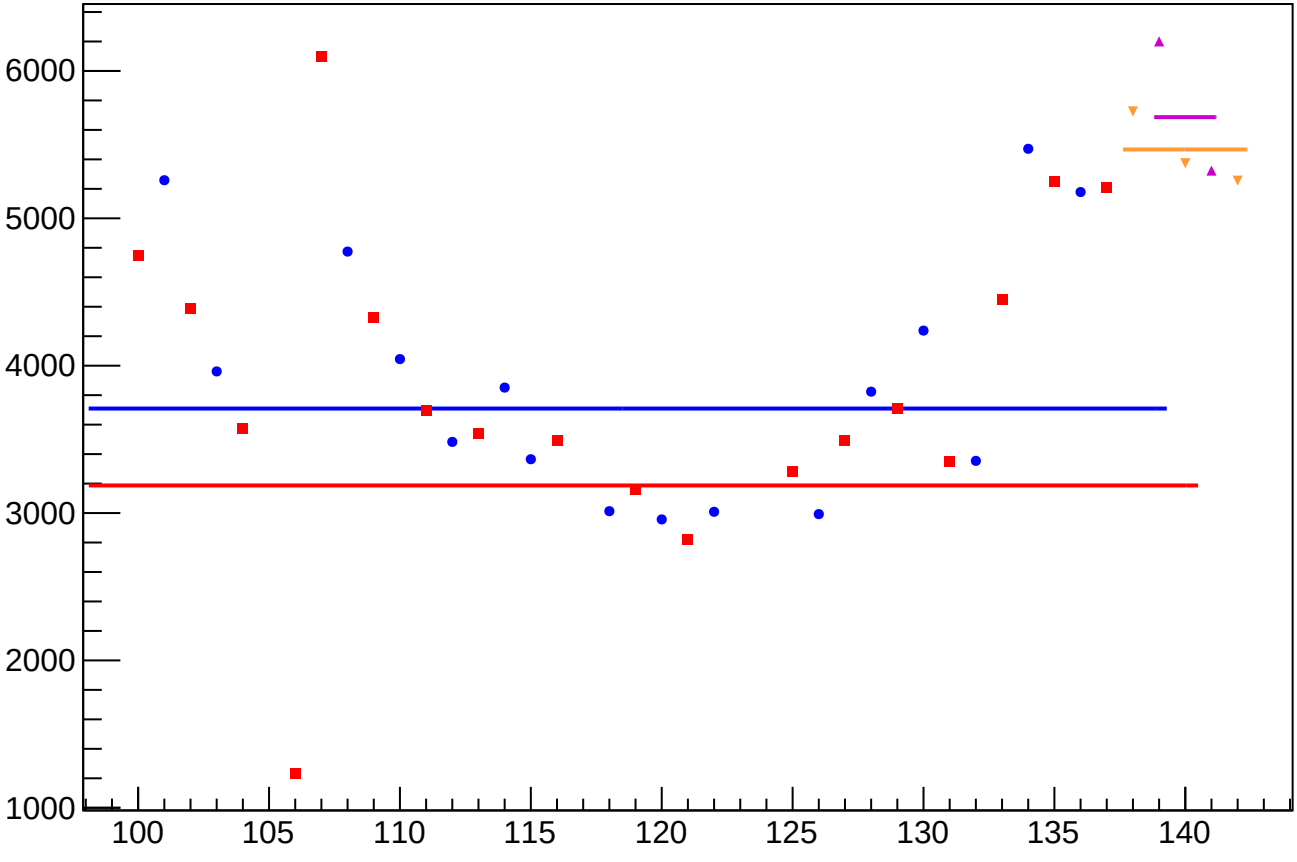
Left In: -2947.290+/-4347.803 χ^2/NDF:0.2/1

+ sign 1993.891+/-1326.681 χ^2/NDF: 15.4/18

All: 190.917+/-934.940 χ^2/NDF: 38.4/38

- sign -1587.926+/-1317.773 χ^2/NDF: 19.3/19

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5467.085+/-2.705 χ^2/NDF:5058.0/2

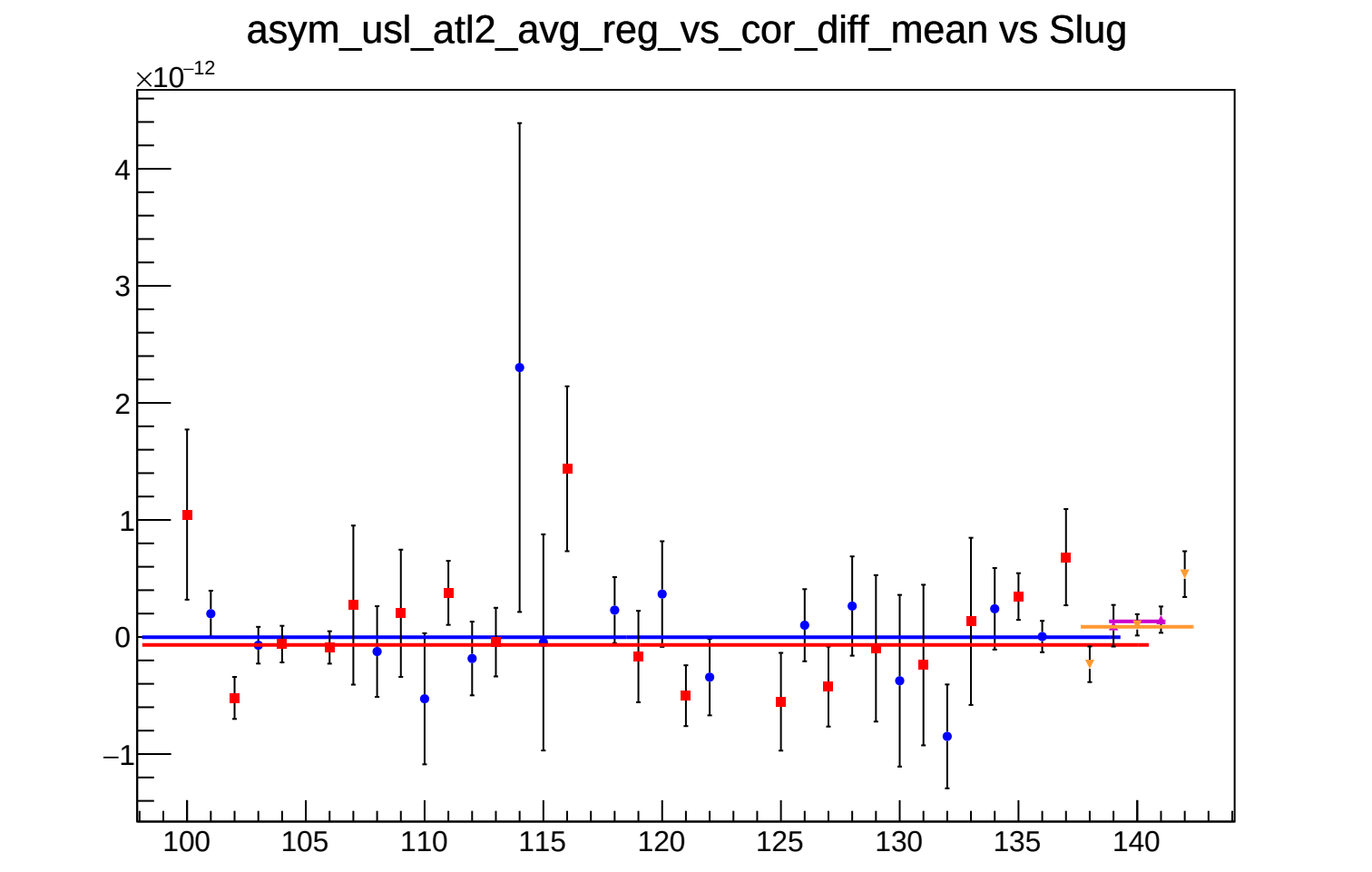
Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5686.617+/-3.074 χ^2/NDF:19725.5/1

+ sign 3920.656+/-0.938 χ^2/NDF: 987352.7/18

All: 3628.299+/-0.634 χ^2/NDF: 3405866.8/38

- sign 3382.695+/-0.860 χ^2/NDF: 2239797.7/19



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/2

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

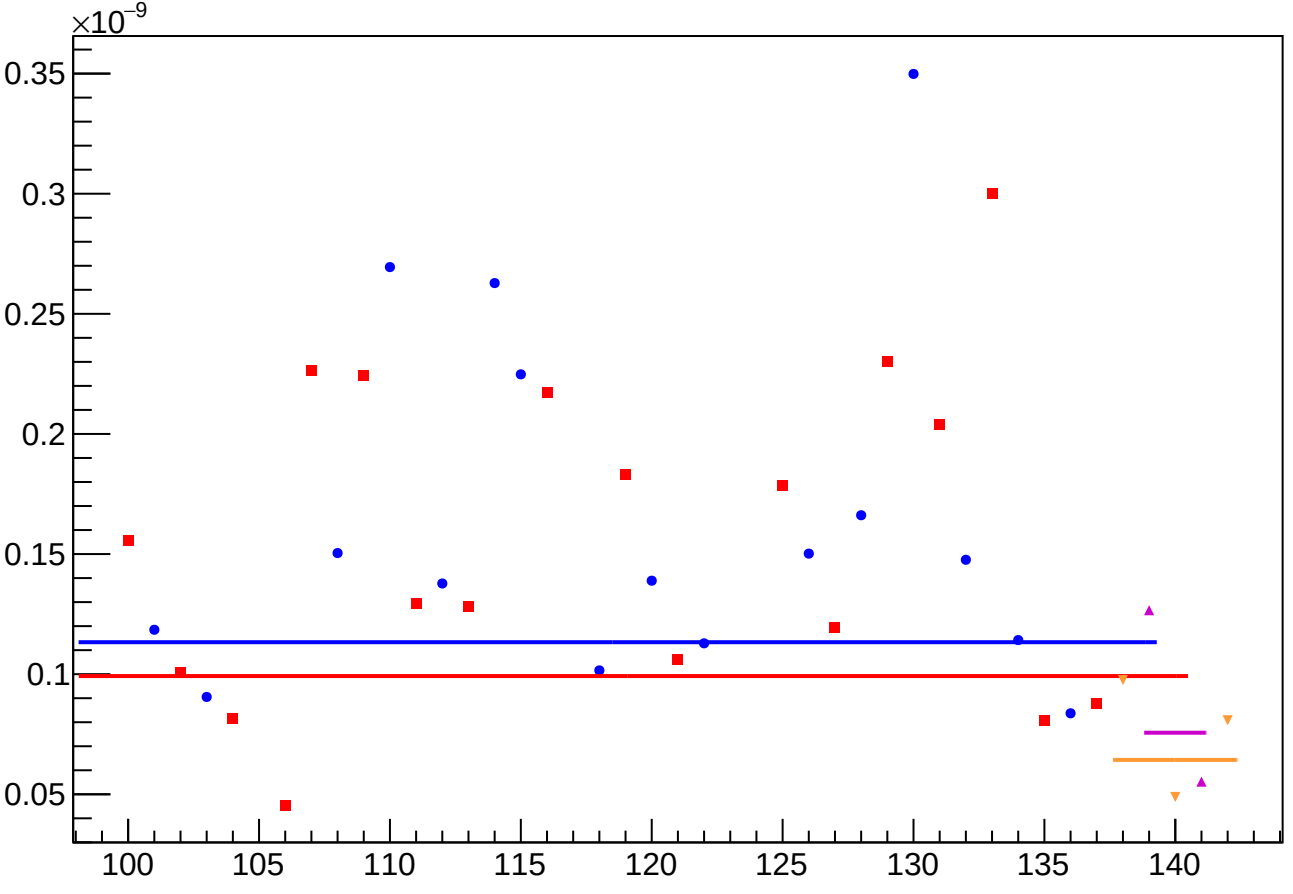
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/18

All: 0.000+/-0.000 χ^2/NDF: 54.6/38

- sign -0.000+/-0.000 χ^2/NDF: 32.6/19

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:166773.7/2

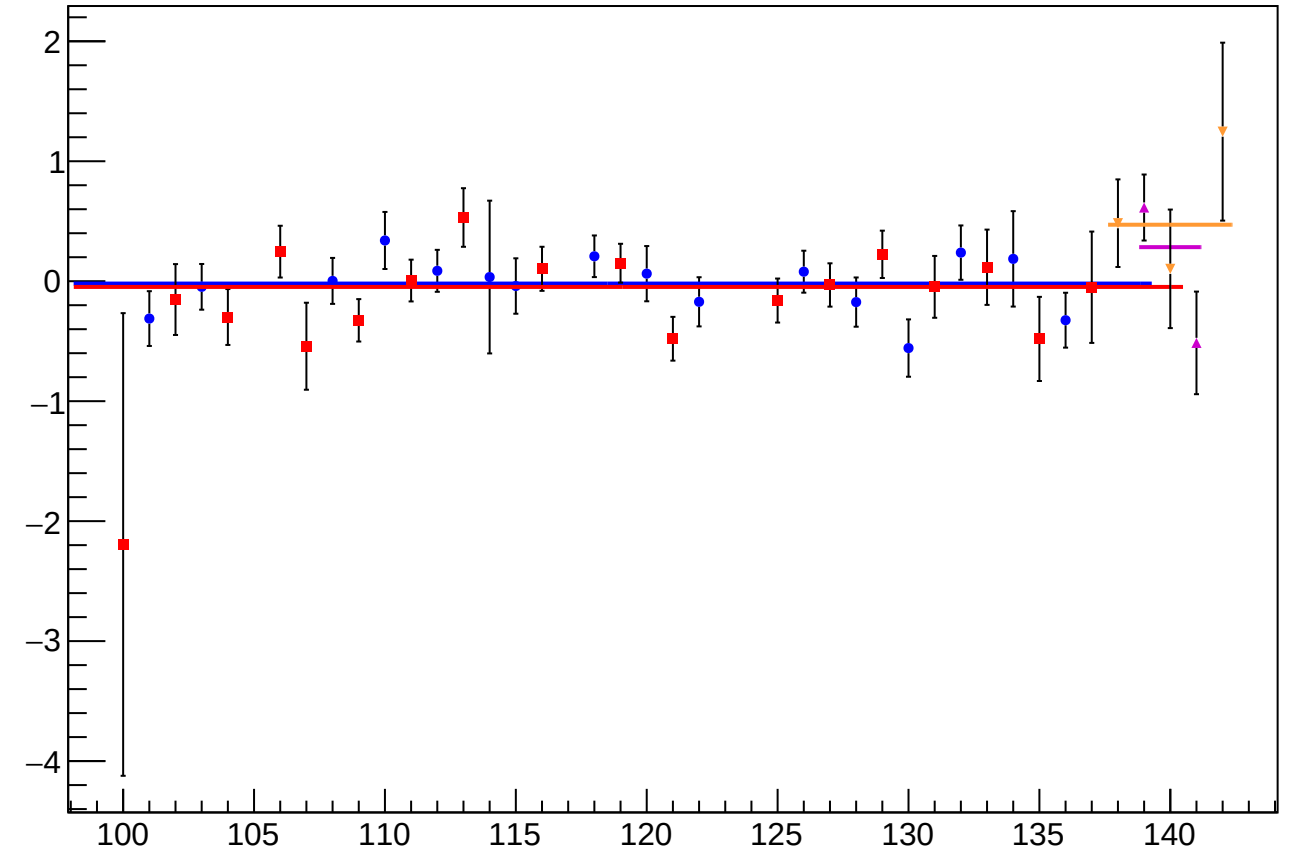
Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:230009.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 1292060.7/18

All: 0.000+/-0.000 χ^2/NDF: 2707862.8/38

- sign 0.000+/-0.000 χ^2/NDF: 1414271.9/19



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

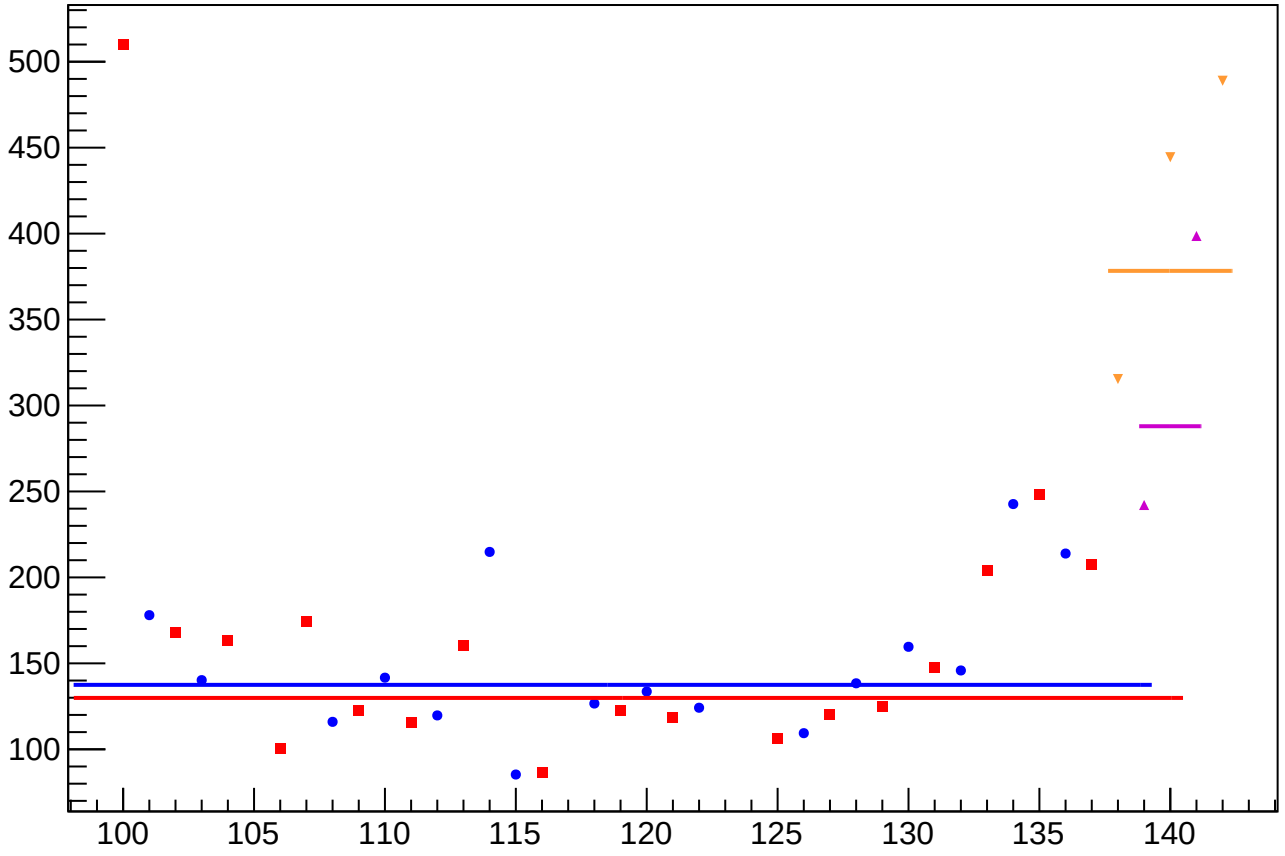
Left In: 0.284+/-0.231 χ^2/NDF:4.9/1

+ sign -0.001+/-0.053 χ^2/NDF: 20.8/18

All: -0.017+/-0.037 χ^2/NDF: 54.1/38

- sign -0.031+/-0.051 χ^2/NDF: 33.2/19

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: 378.327+/-0.193 χ^2/NDF:139695.1/2

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

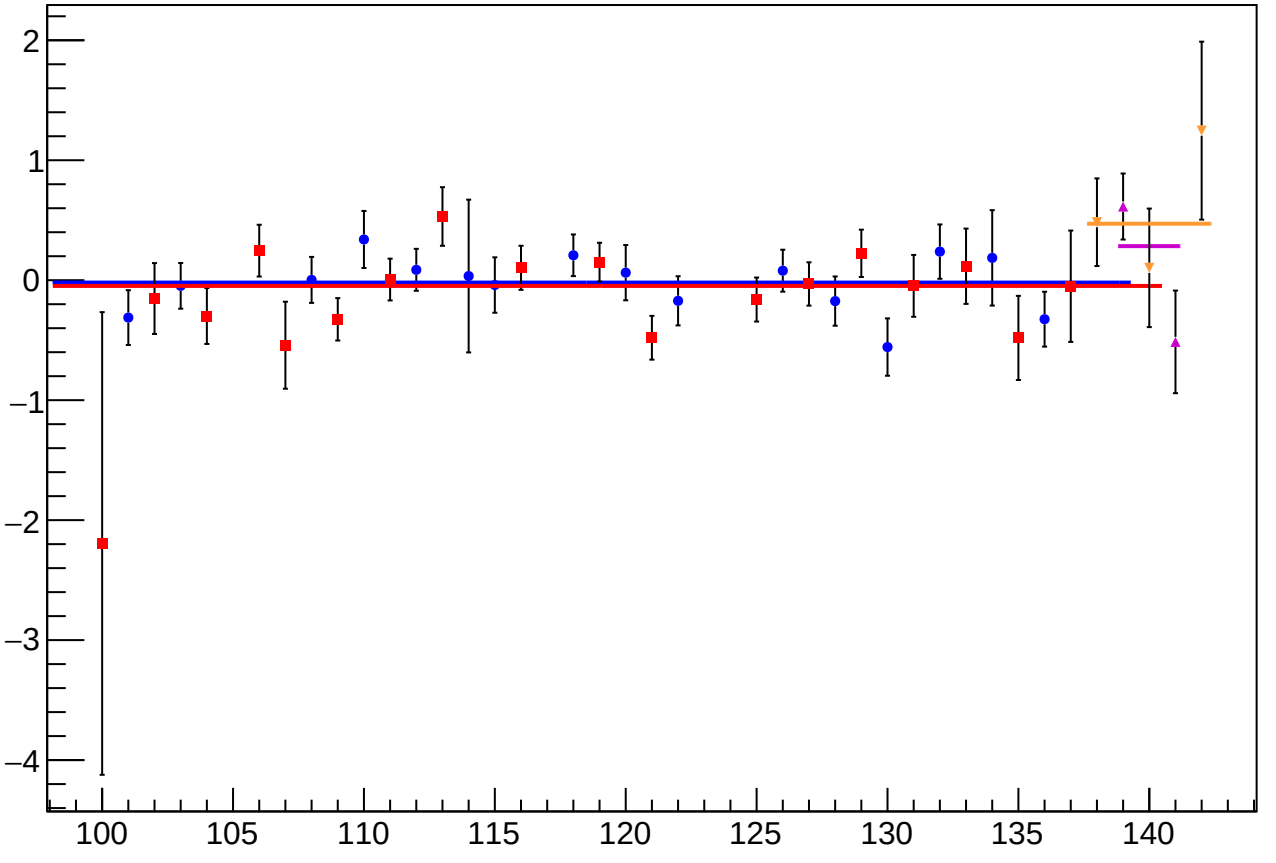
Left In: 287.945+/-0.164 χ^2/NDF:189442.9/1

+ sign 146.625+/-0.038 χ^2/NDF: 2329732.2/18

All: 141.955+/-0.026 χ^2/NDF: 4270556.5/38

- sign 137.625+/-0.036 χ^2/NDF: 1911089.1/19

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.471+/-0.273 χ^2/NDF:1.6/2

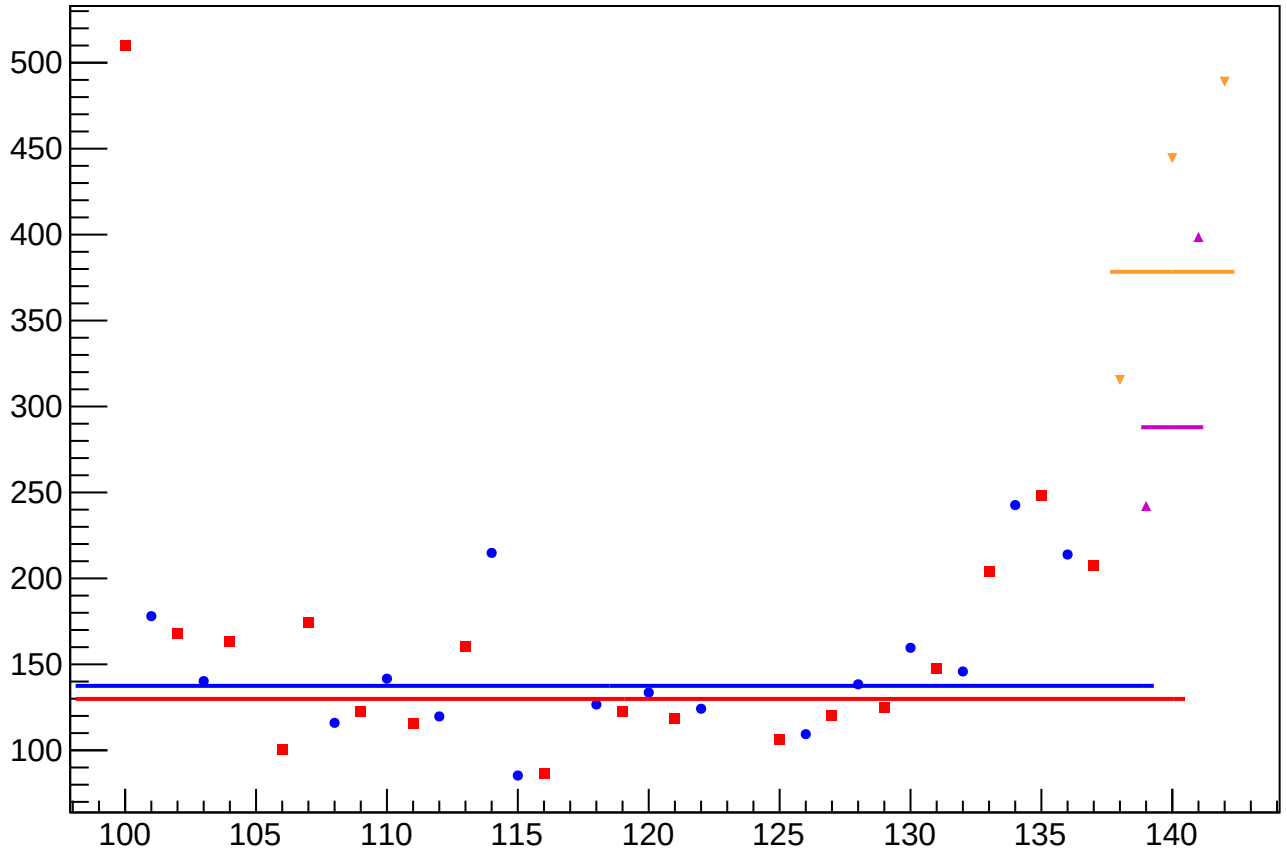
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.284+/-0.231 χ^2/NDF:4.9/1

+ sign -0.001+/-0.053 χ^2/NDF: 20.8/18

All: -0.017+/-0.037 χ^2/NDF: 54.1/38

- sign -0.031+/-0.051 χ^2/NDF: 33.2/19



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 378.327+/-0.193 χ^2/NDF:139695.1/2

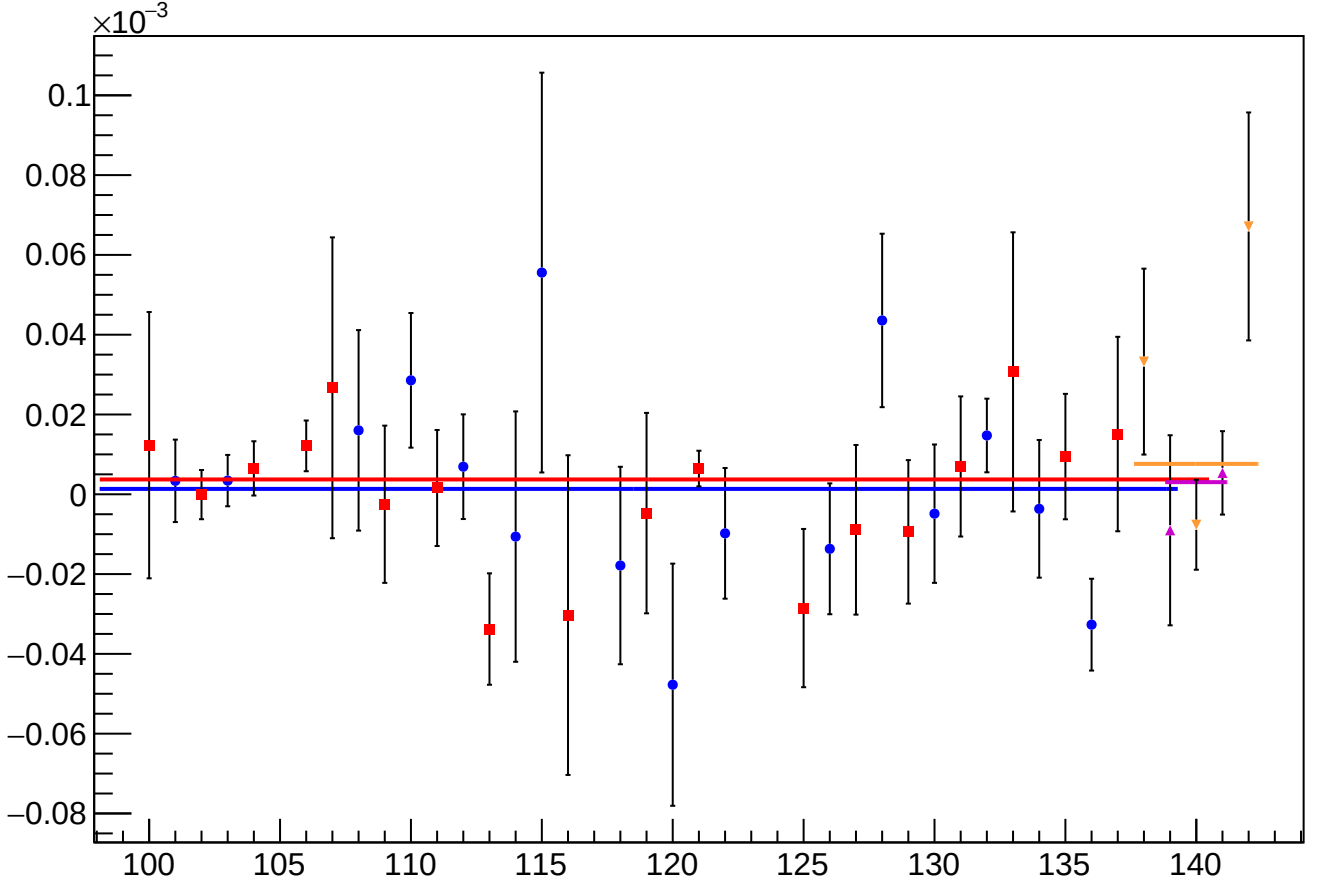
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 287.945+/-0.164 χ^2/NDF:189442.9/1

+ sign 146.625+/-0.038 χ^2/NDF: 2329732.2/18

All: 141.955+/-0.026 χ^2/NDF: 4270556.5/38

- sign 137.625+/-0.036 χ^2/NDF: 1911089.1/19



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

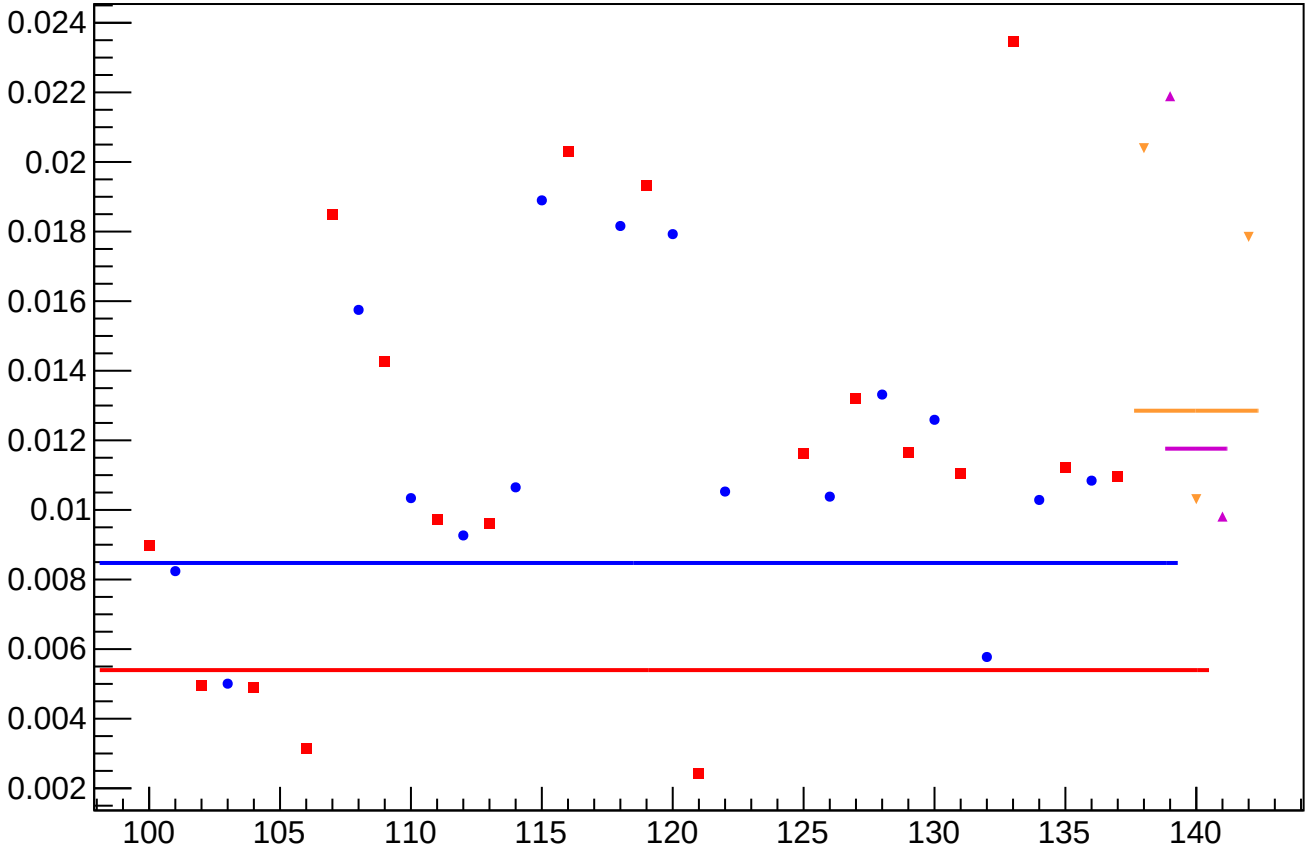
Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/18

All: 0.000+/-0.000 χ^2/NDF: 47.9/38

- sign 0.000+/-0.000 χ^2/NDF: 16.1/19

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.013+/-0.000 χ^2/NDF:372621.2/2

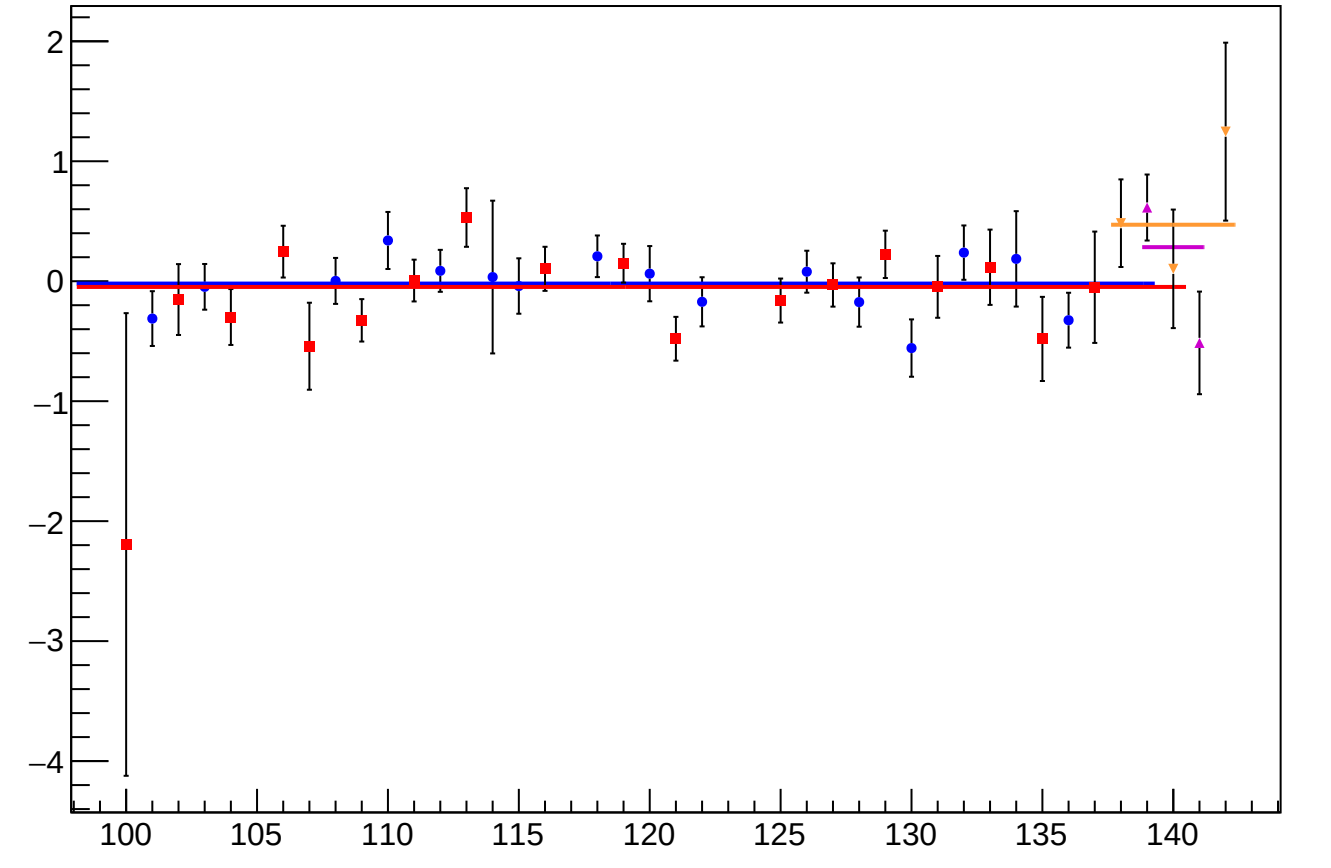
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.012+/-0.000 χ^2/NDF:431261.6/1

+ sign 0.009+/-0.000 χ^2/NDF: 2669330.3/18

All: 0.007+/-0.000 χ^2/NDF: 10053217.3/38

- sign 0.006+/-0.000 χ^2/NDF: 6166441.2/19



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

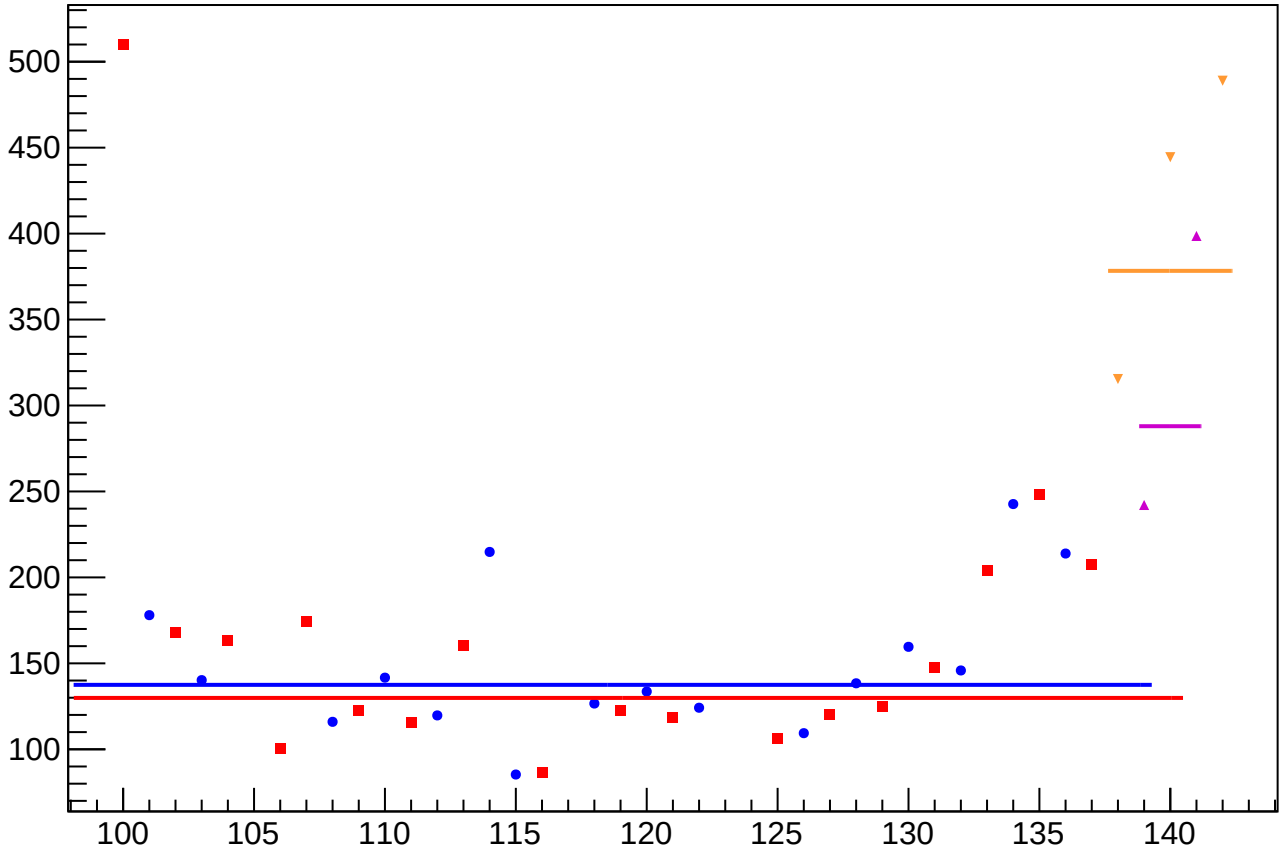
Left In: 0.284+/-0.231 χ^2/NDF:4.9/1

+ sign -0.001+/-0.053 χ^2/NDF: 20.8/18

All: -0.017+/-0.037 χ^2/NDF: 54.1/38

- sign -0.031+/-0.051 χ^2/NDF: 33.2/19

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 378.331+/-0.193 χ^2/NDF:139704.2/2

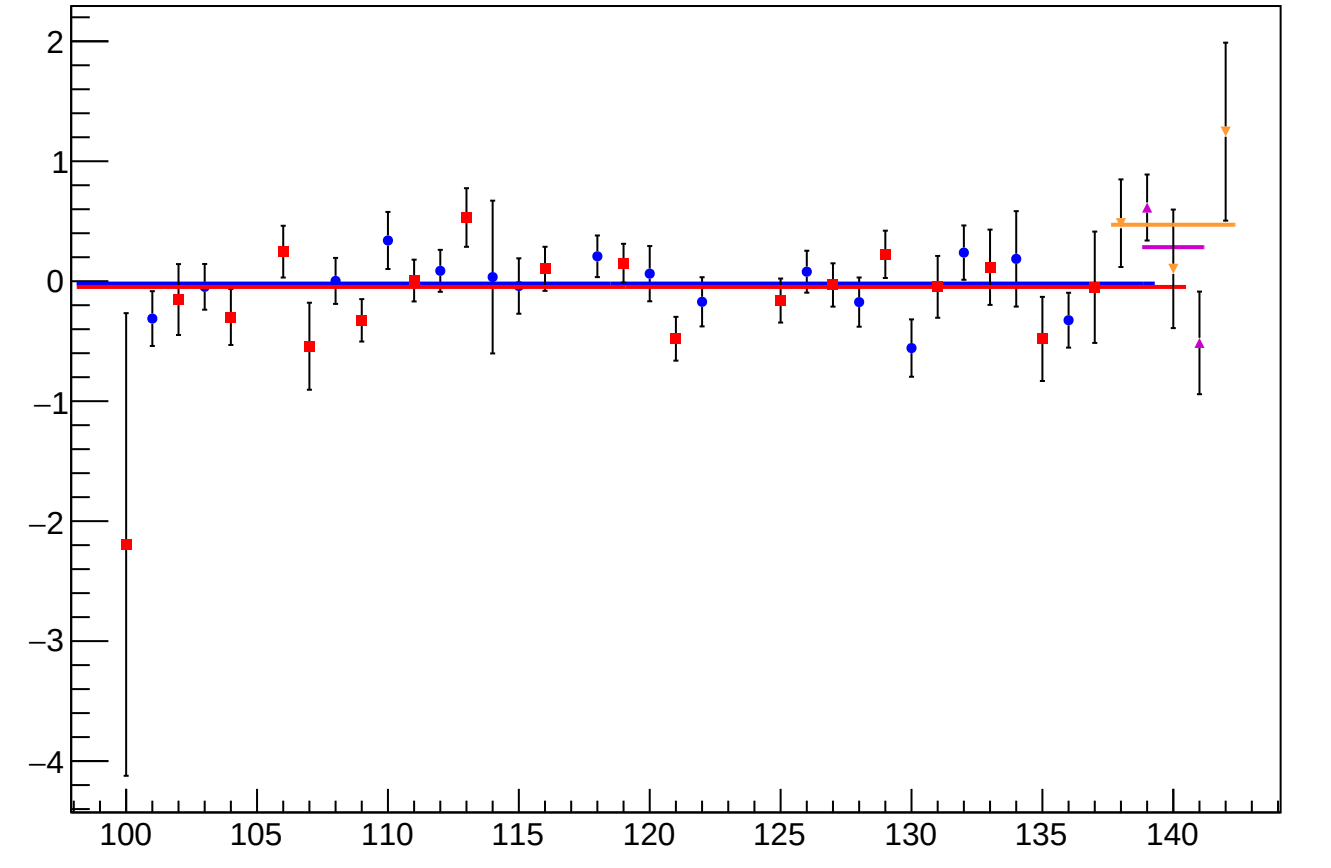
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 287.953+/-0.164 χ^2/NDF:189431.9/1

+ sign 146.625+/-0.038 χ^2/NDF: 2329735.0/18

All: 141.955+/-0.026 χ^2/NDF: 4270543.4/38

- sign 137.625+/-0.036 χ^2/NDF: 1911074.7/19



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.471+/-0.273 χ^2/NDF:1.6/2

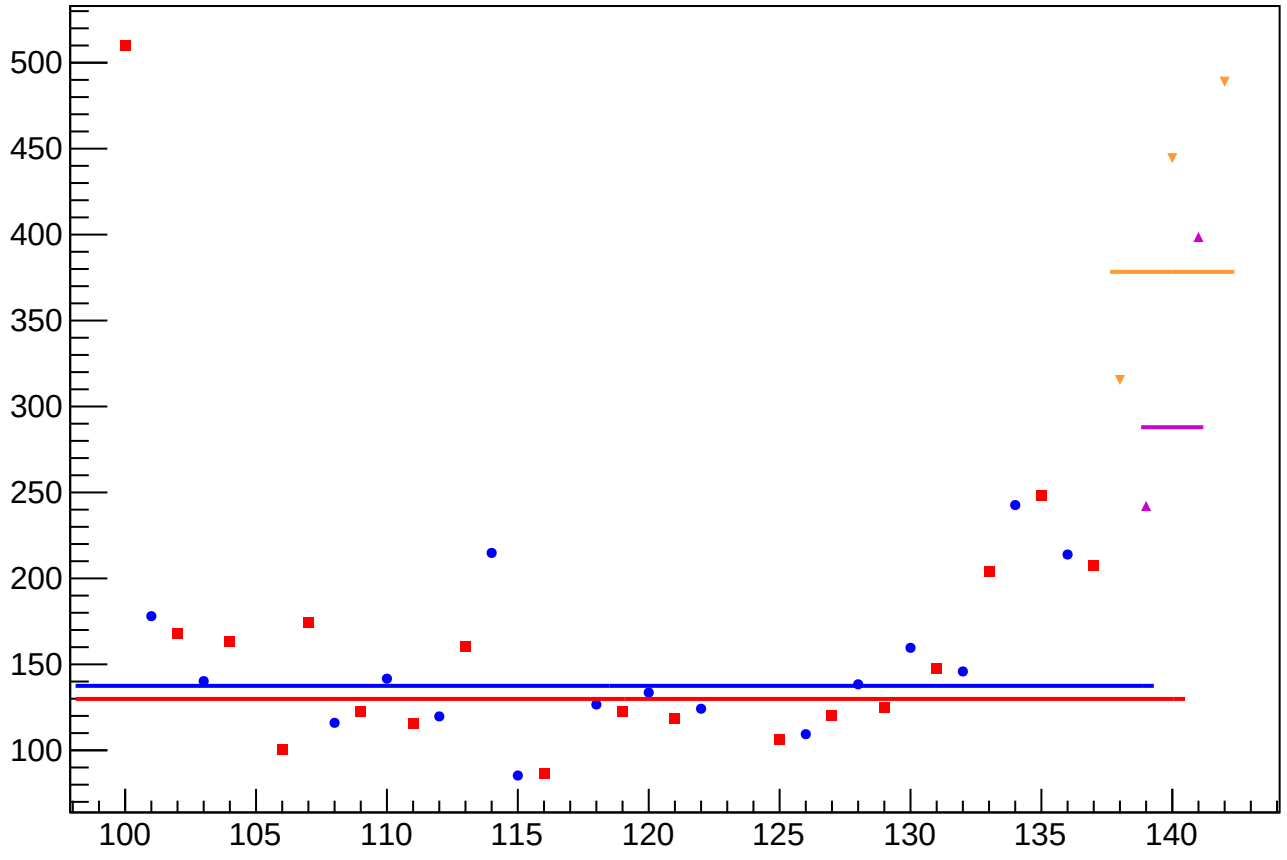
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.284+/-0.231 χ^2/NDF:4.9/1

+ sign -0.001+/-0.053 χ^2/NDF: 20.8/18

All: -0.017+/-0.037 χ^2/NDF: 54.1/38

- sign -0.031+/-0.051 χ^2/NDF: 33.2/19



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 378.331+/-0.193 χ^2/NDF:139704.2/2

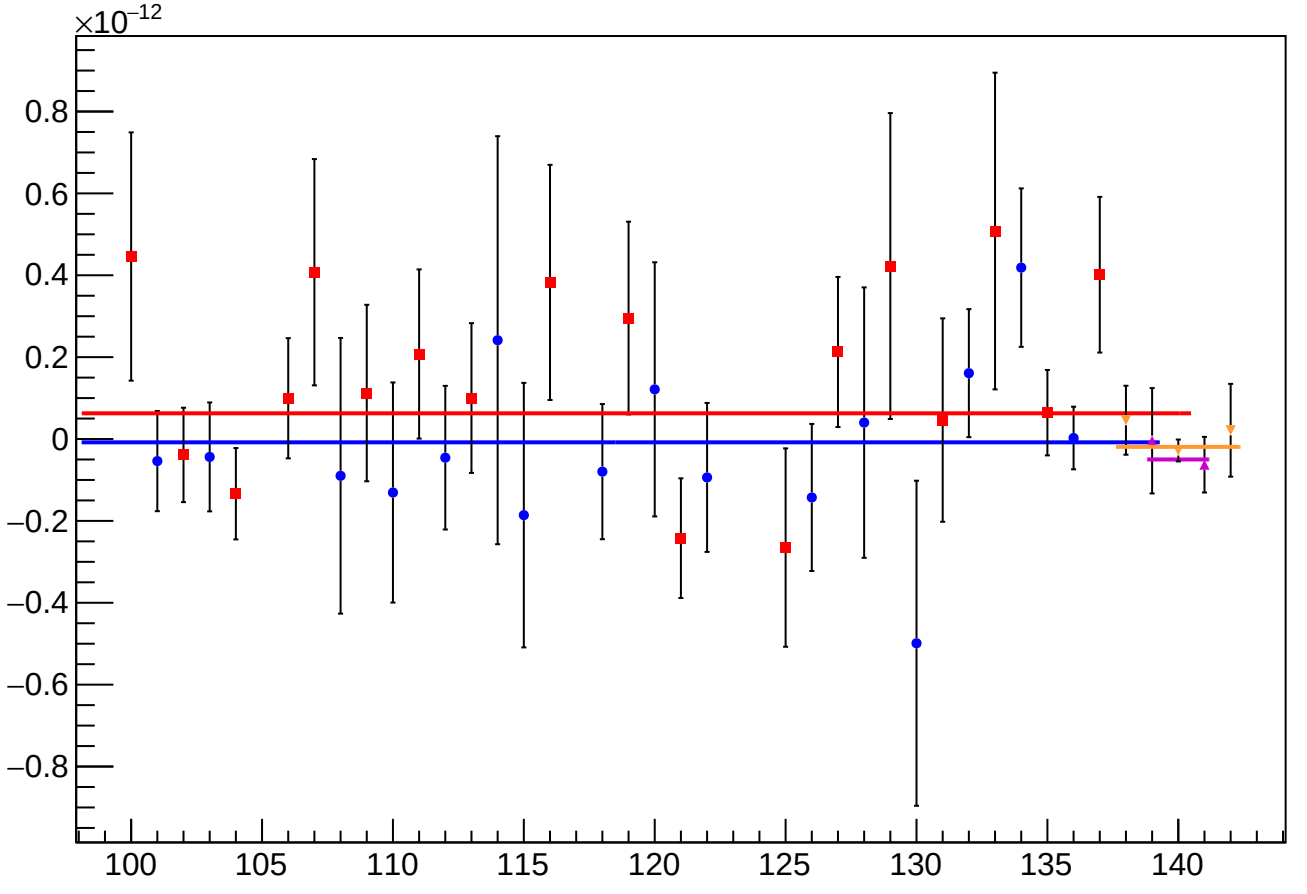
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 287.953+/-0.164 χ^2/NDF:189431.9/1

+ sign 146.625+/-0.038 χ^2/NDF: 2329735.0/18

All: 141.955+/-0.026 χ^2/NDF: 4270543.4/38

- sign 137.625+/-0.036 χ^2/NDF: 1911074.7/19



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/2

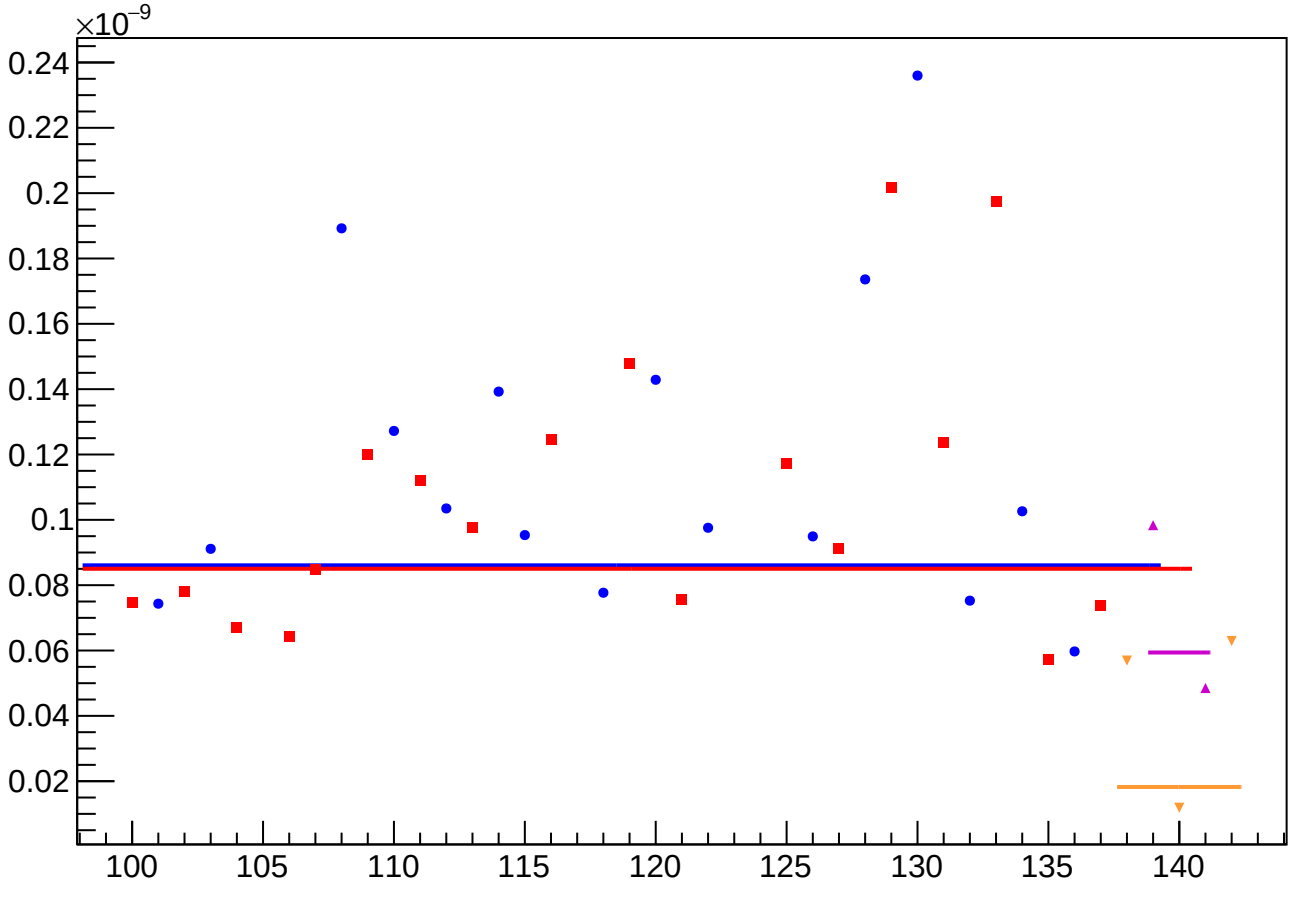
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 10.7/18

All: -0.000+/-0.000 χ^2/NDF: 36.5/38

- sign 0.000+/-0.000 χ^2/NDF: 24.7/19



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:846276.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

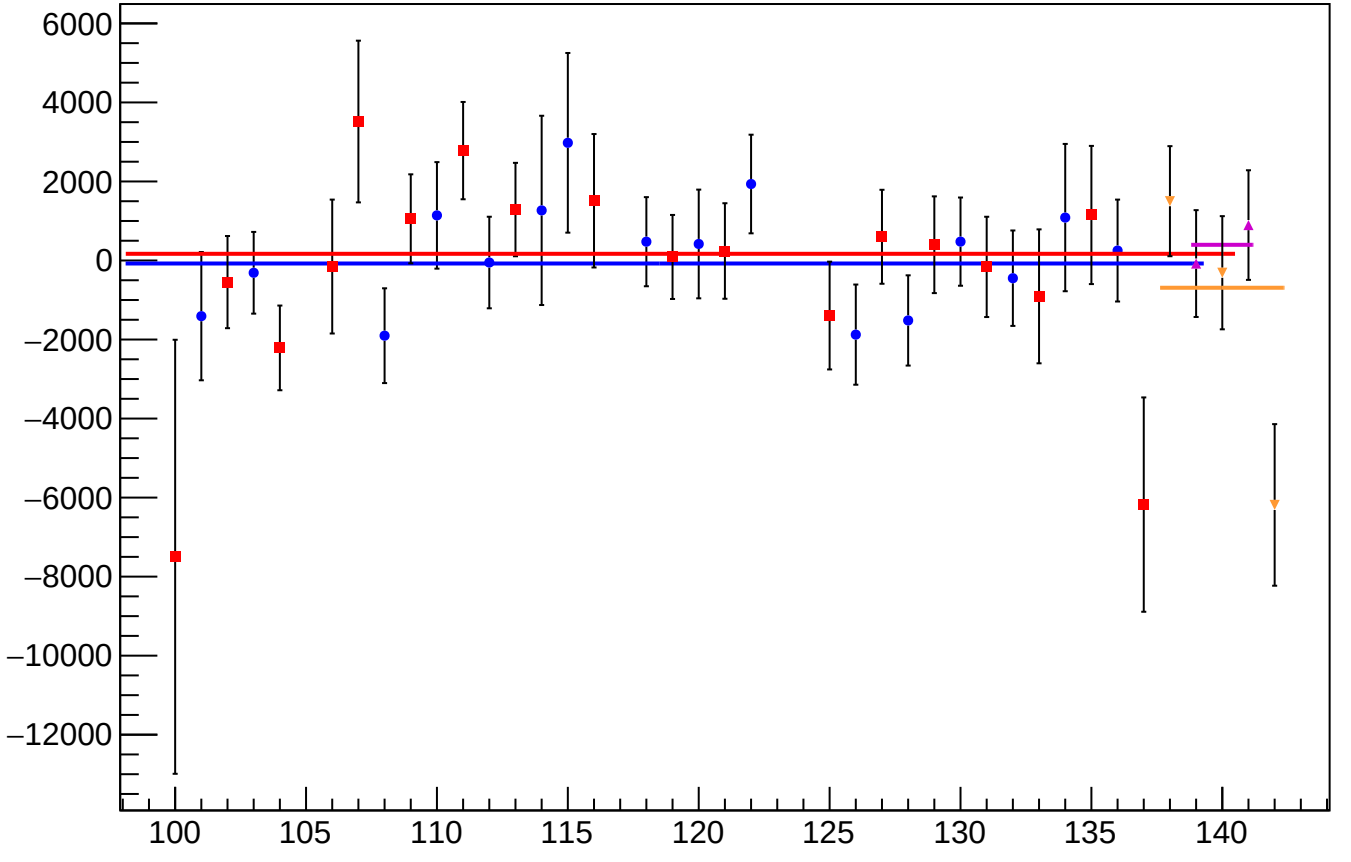
Left In: 0.000+/-0.000 χ^2/NDF:234584.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 5722307.0/18

All: 0.000+/-0.000 χ^2/NDF: 9261402.1/38

- sign 0.000+/-0.000 χ^2/NDF: 1463279.5/19

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: -689.693+/-897.152 χ^2/NDF:9.8/2

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

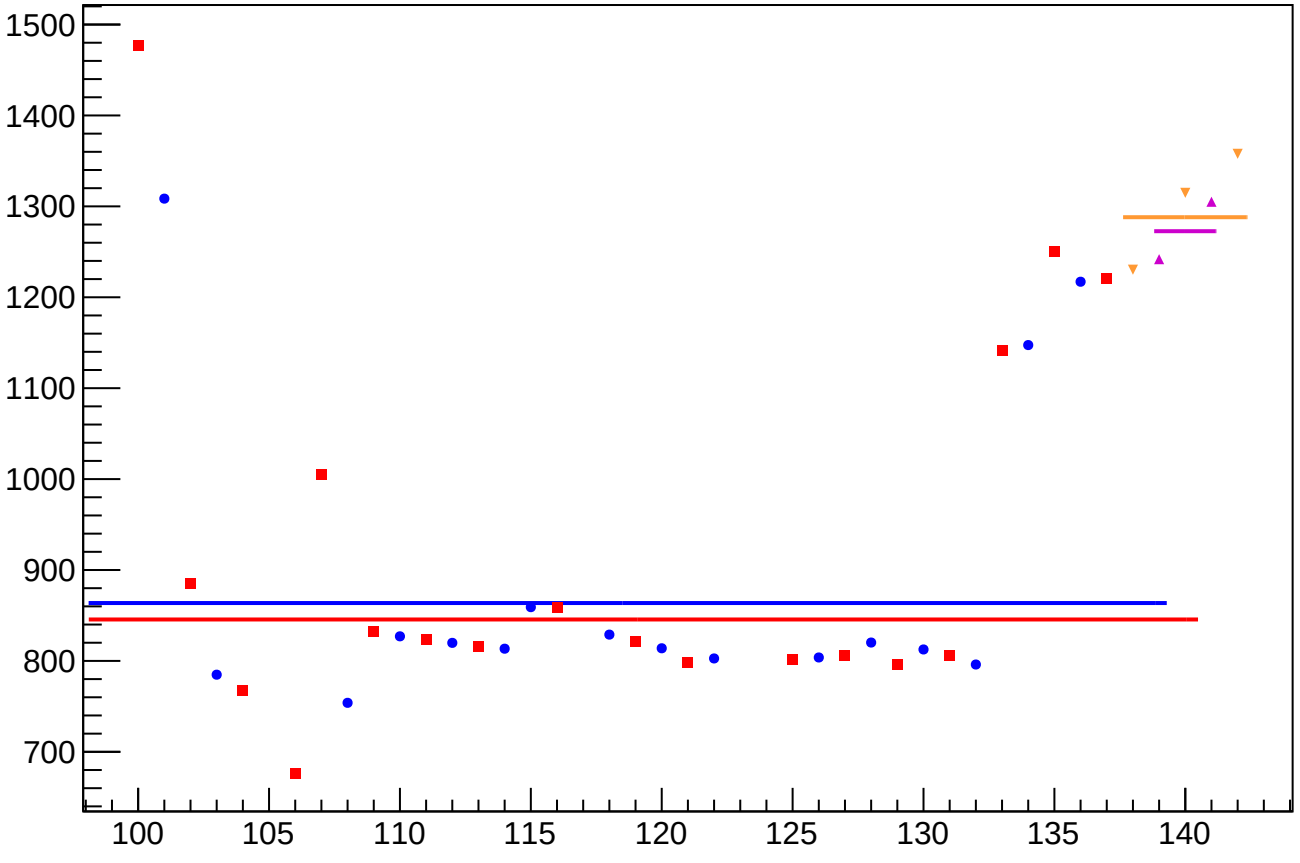
Left In: 396.916+/-968.181 χ^2/NDF:0.3/1

+ sign -147.619+/-306.587 χ^2/NDF: 23.5/18

All: 22.845+/-216.368 χ^2/NDF: 48.8/38

- sign 191.988+/-305.397 χ^2/NDF: 24.7/19

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

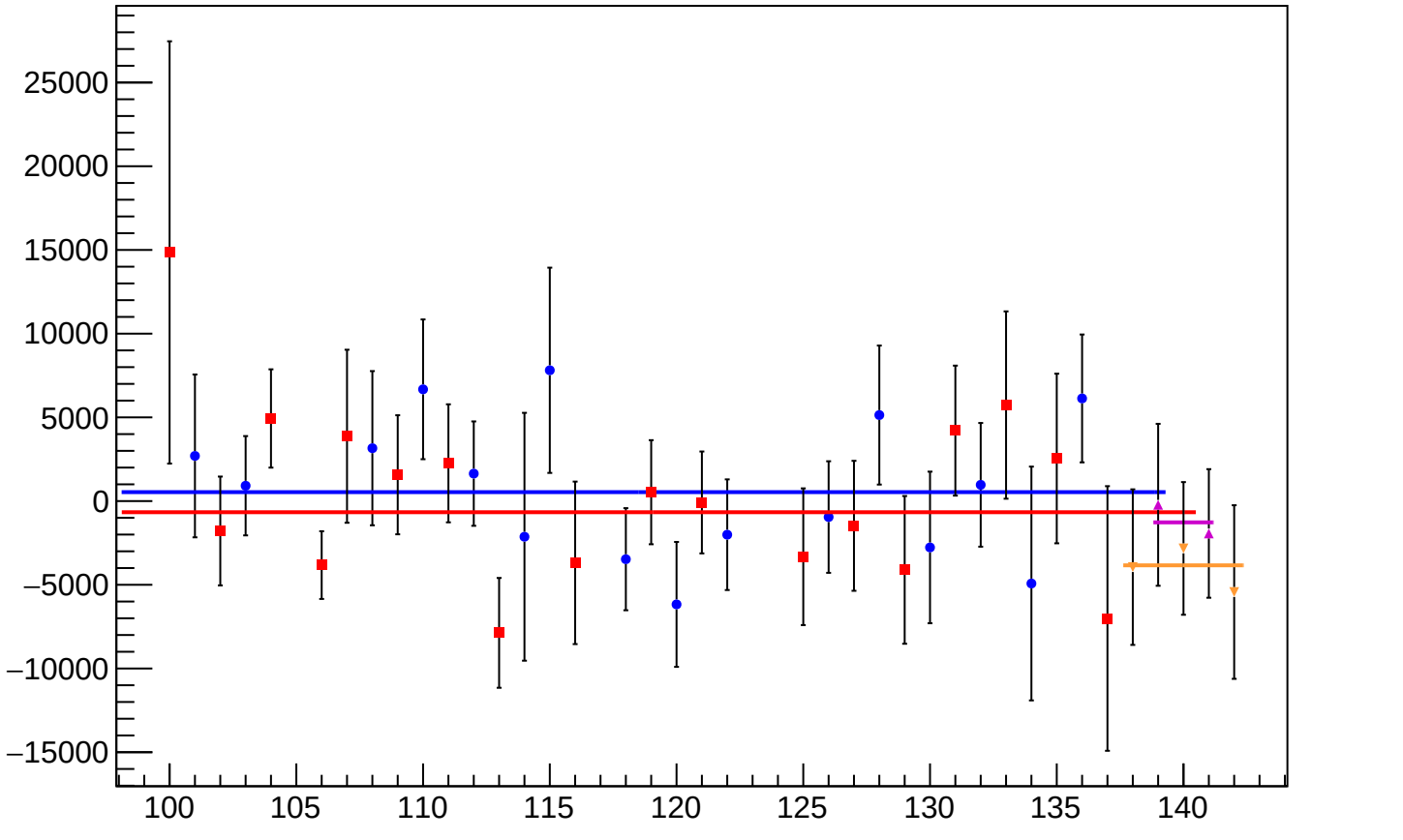
Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1272.683+/-0.685 χ^2/NDF:2127.1/1

+ sign 913.224+/-0.217 χ^2/NDF: 809263.1/18

All: 899.981+/-0.152 χ^2/NDF: 1477861.1/38

- sign 887.133+/-0.214 χ^2/NDF: 661246.2/19



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3837.763+/-2606.087 χ^2/NDF:0.2/2

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

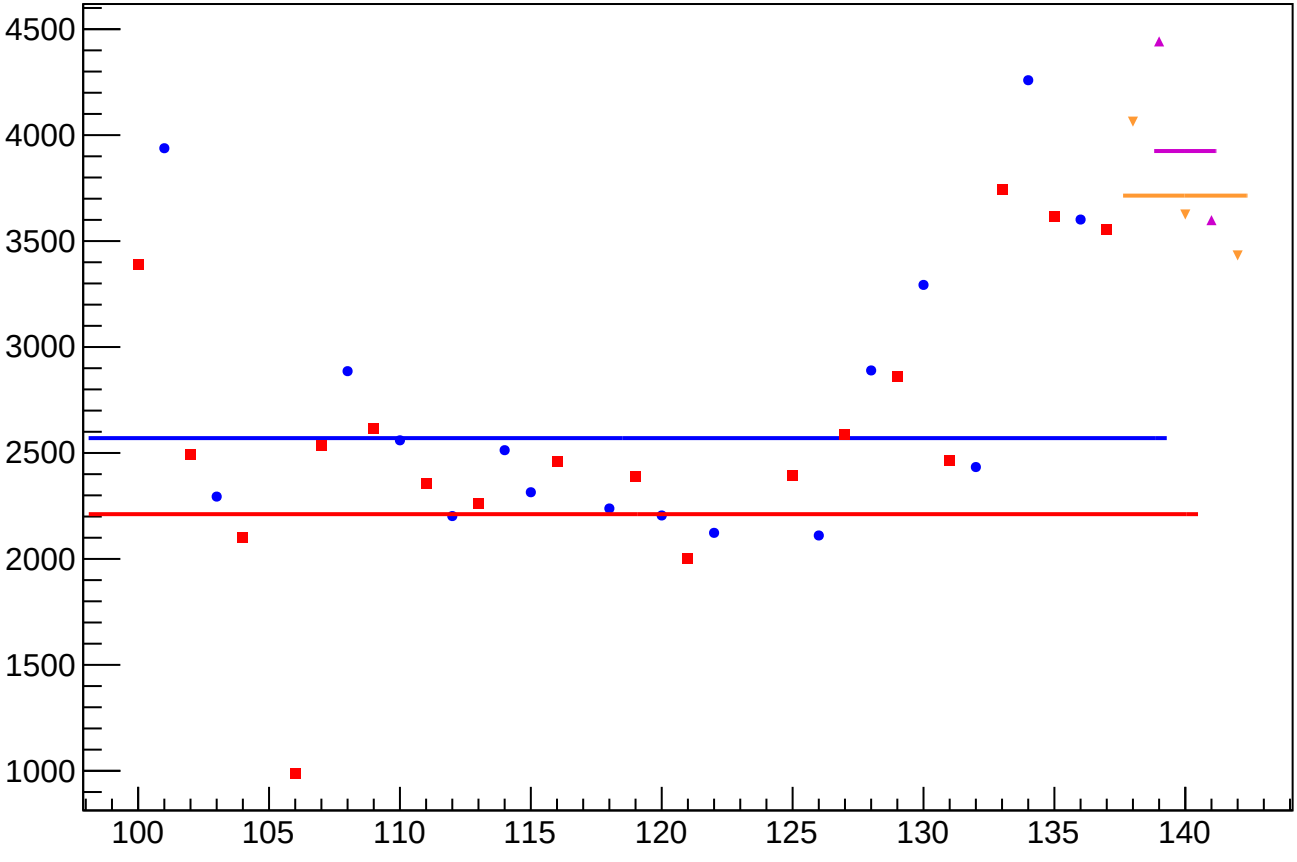
Left In: -1272.122+/-3007.420 χ^2/NDF:0.1/1

+ sign -8.420+/-918.346 χ^2/NDF: 17.3/18

All: -395.247+/-616.288 χ^2/NDF: 37.7/38

- sign -712.196+/-831.271 χ^2/NDF: 20.1/19

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3714.528+/-1.843 χ^2/NDF:18230.3/2

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

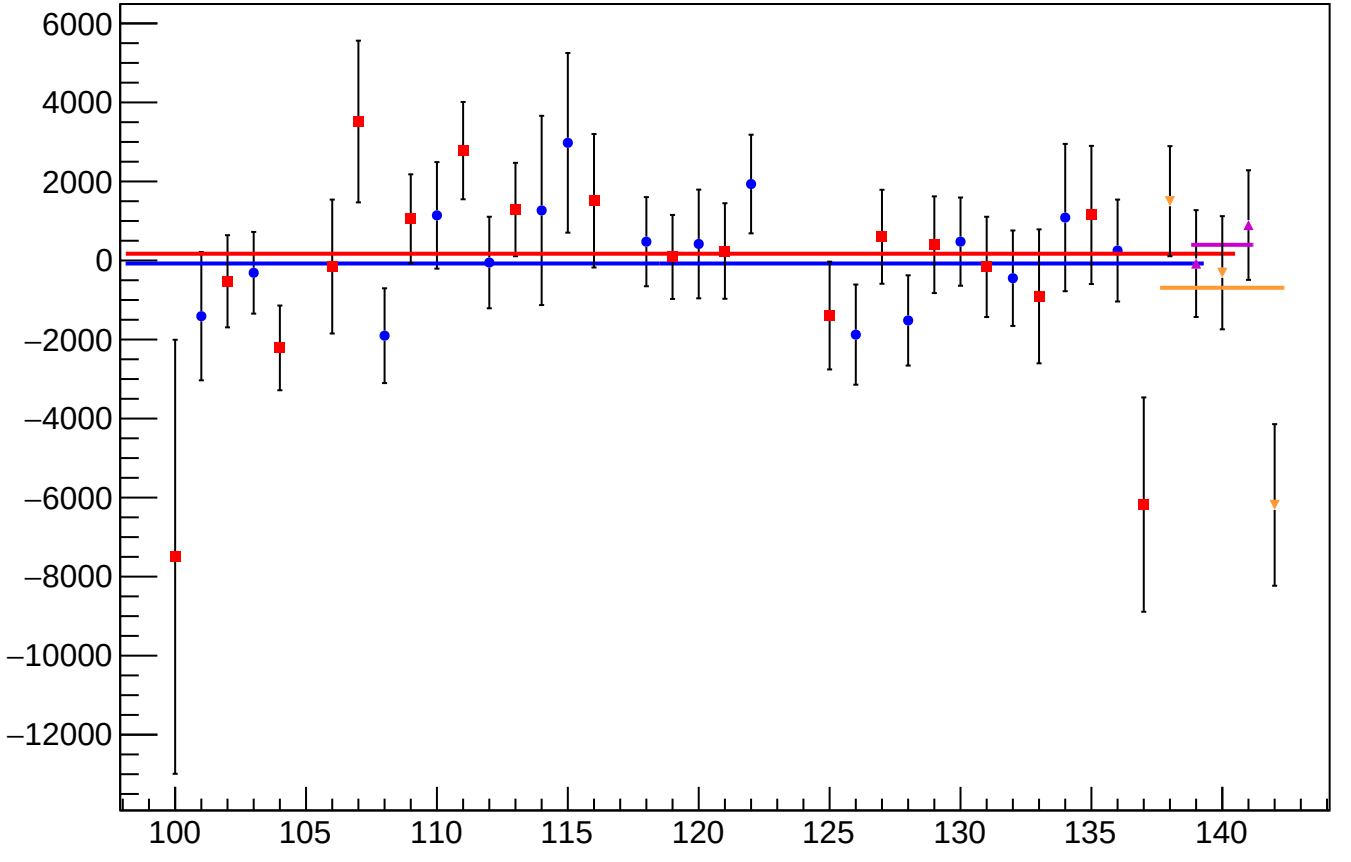
Left In: 3924.953+/-2.127 χ^2/NDF:37314.7/1

+ sign 2712.240+/-0.649 χ^2/NDF: 1018477.5/18

All: 2508.847+/-0.436 χ^2/NDF: 3098139.5/38

- sign 2342.196+/-0.588 χ^2/NDF: 1901175.1/19

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -689.857+/-897.152 χ^2/NDF:9.8/2

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

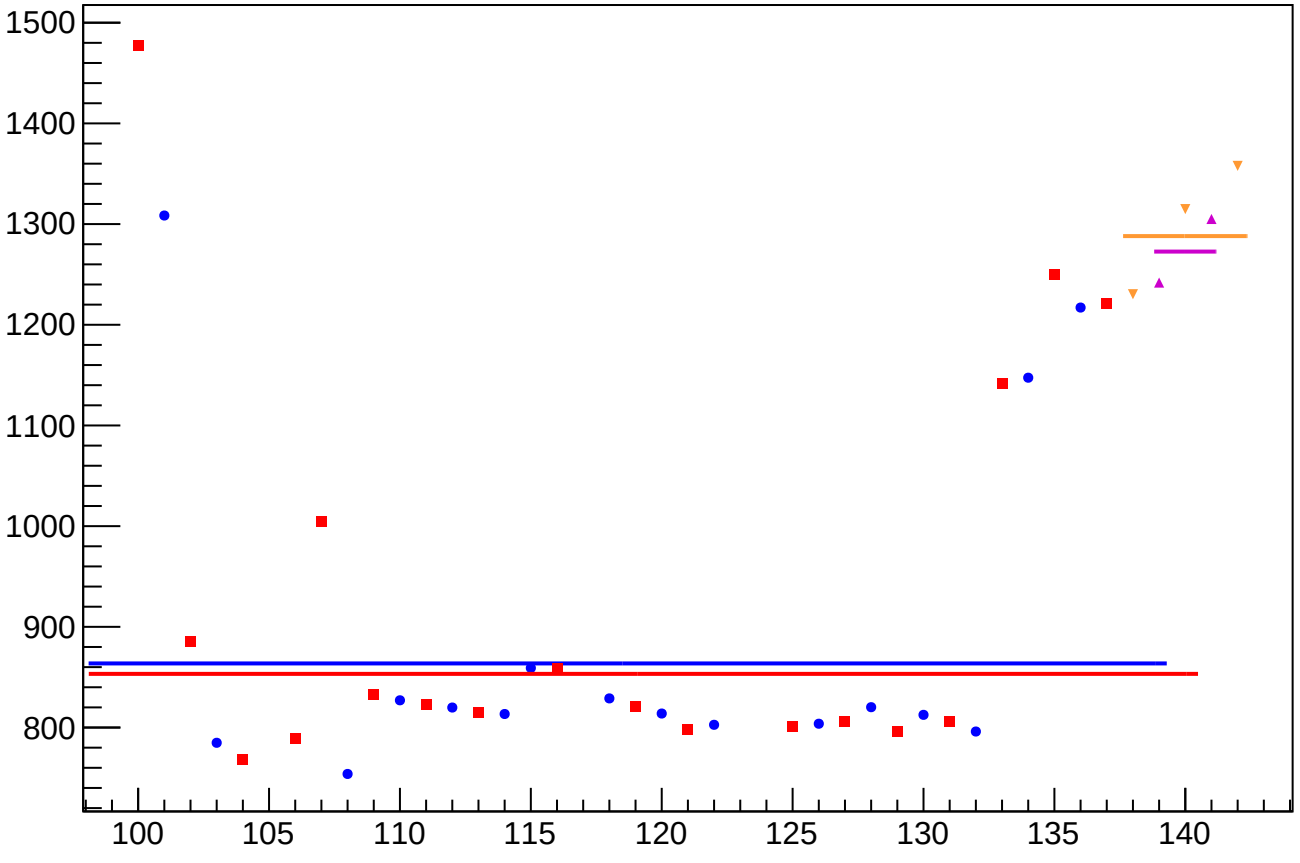
Left In: 396.815+/-968.181 χ^2/NDF:0.3/1

+ sign -147.707+/-306.587 χ^2/NDF: 23.5/18

All: 23.534+/-216.369 χ^2/NDF: 48.8/38

- sign 193.453+/-305.401 χ^2/NDF: 24.7/19

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

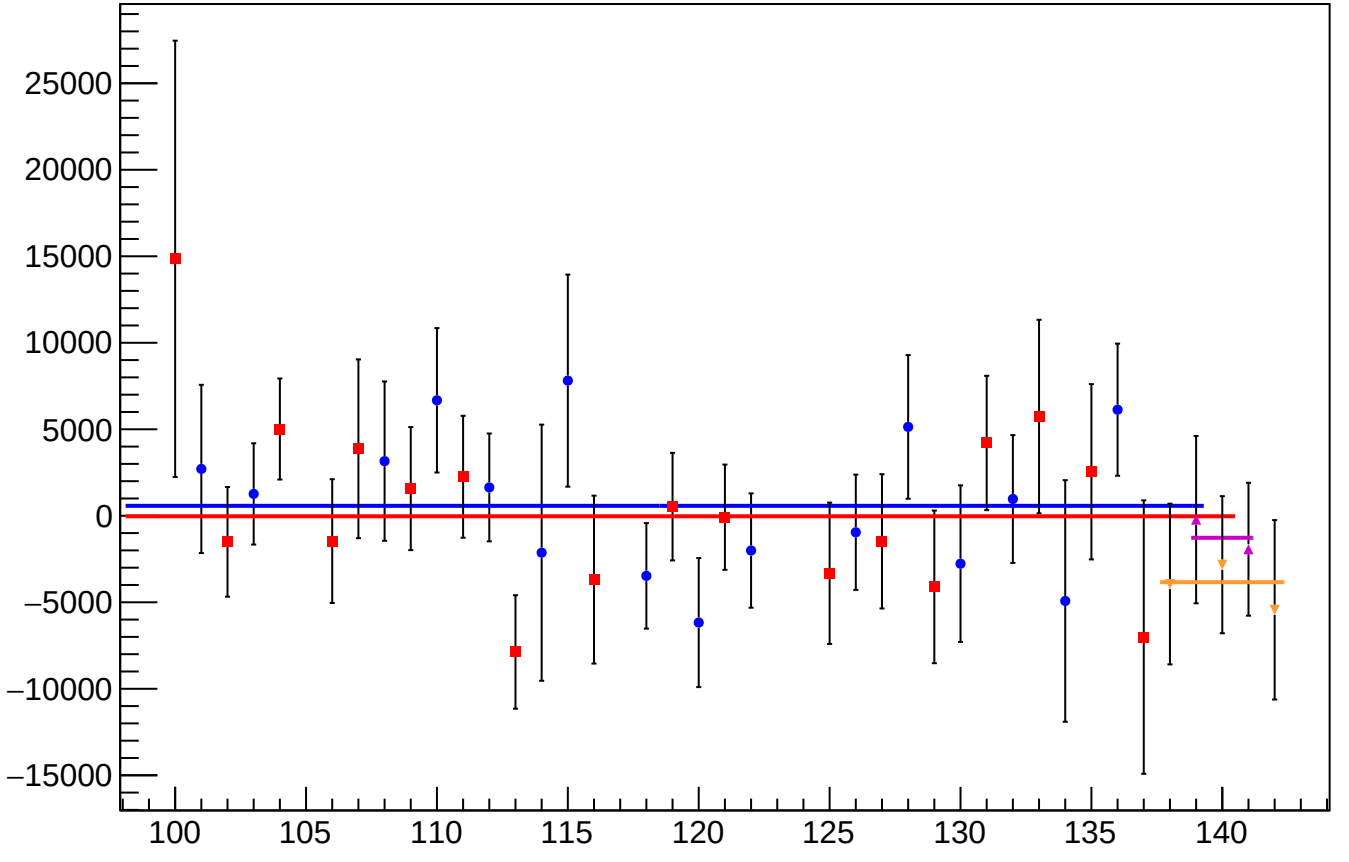
Left In: 1272.683+/-0.685 χ^2/NDF:2127.1/1

+ sign 913.224+/-0.217 χ^2/NDF: 809262.9/18

All: 903.849+/-0.153 χ^2/NDF: 1428746.9/38

- sign 894.632+/-0.215 χ^2/NDF: 615775.2/19

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3838.045+/-2606.092 χ^2/NDF:0.2/2

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

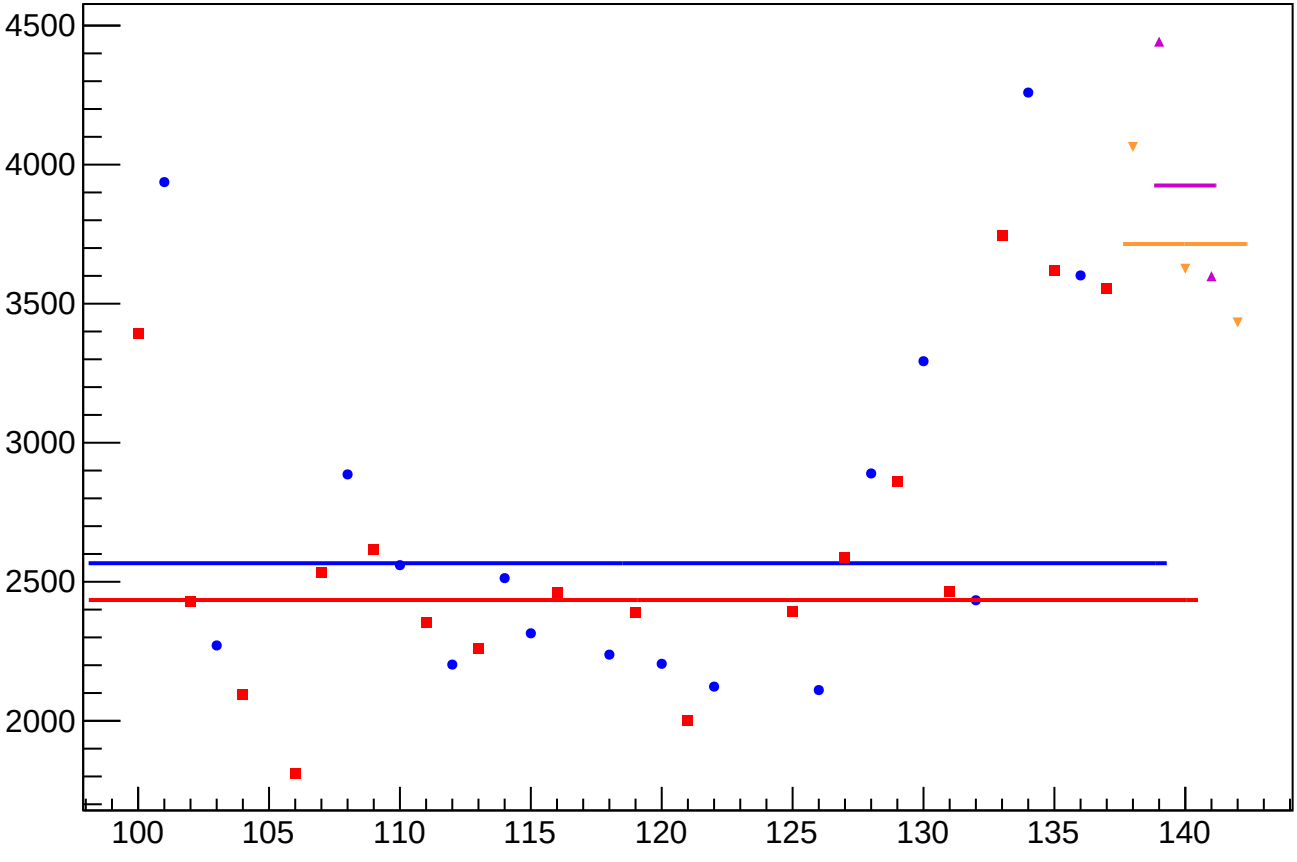
Left In: -1272.185+/-3007.418 χ^2/NDF:0.1/1

+ sign 28.382+/-917.170 χ^2/NDF: 17.4/18

All: -56.782+/-635.590 χ^2/NDF: 34.8/38

- sign -135.469+/-881.605 χ^2/NDF: 17.4/19

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3714.536+/-1.843 χ^2/NDF:18228.7/2

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

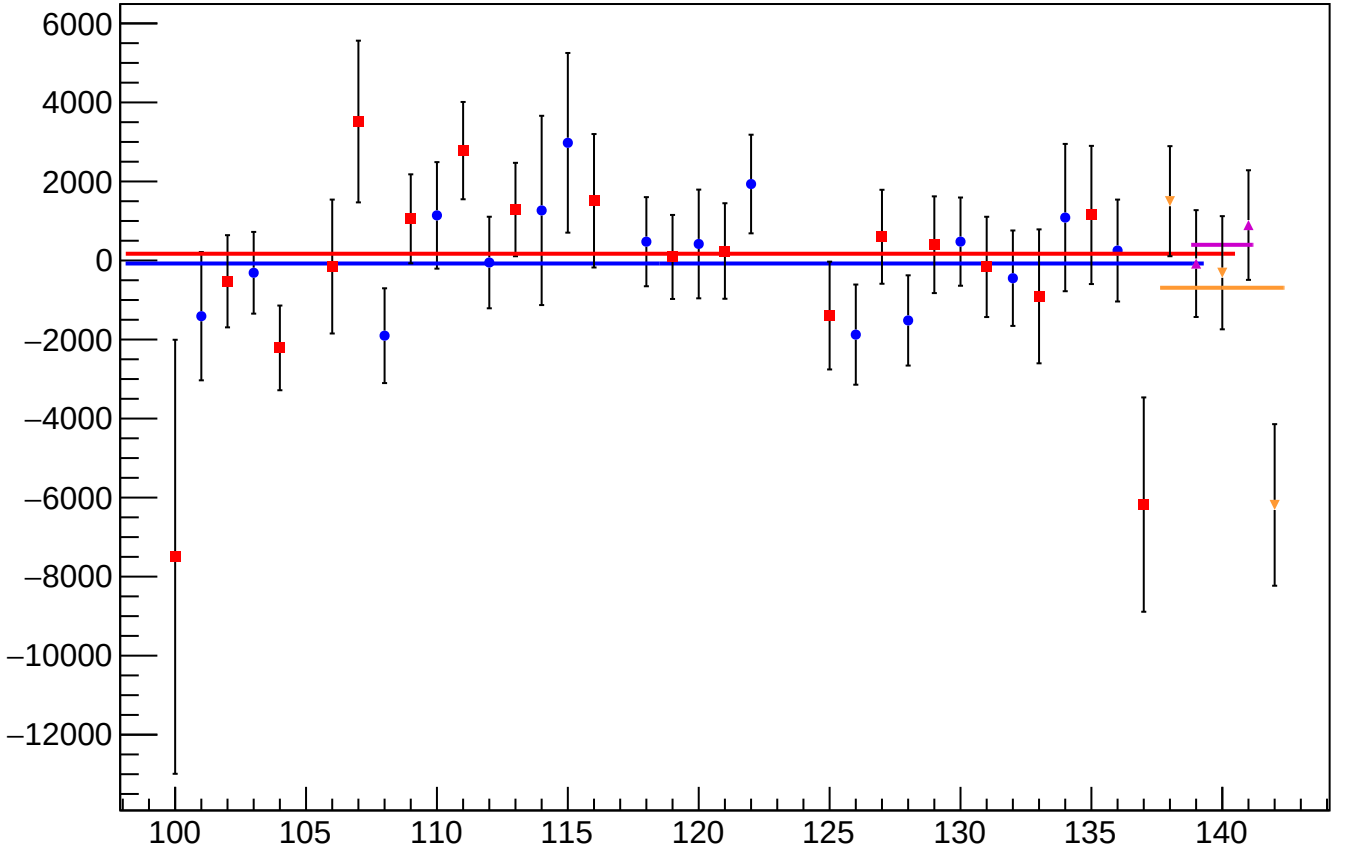
Left In: 3924.949+/-2.127 χ^2/NDF:37314.3/1

+ sign 2708.896+/-0.649 χ^2/NDF: 1024007.8/18

All: 2632.812+/-0.449 χ^2/NDF: 1970931.0/38

- sign 2562.515+/-0.623 χ^2/NDF: 920444.0/19

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -689.857+/-897.152 χ^2/NDF:9.8/2

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

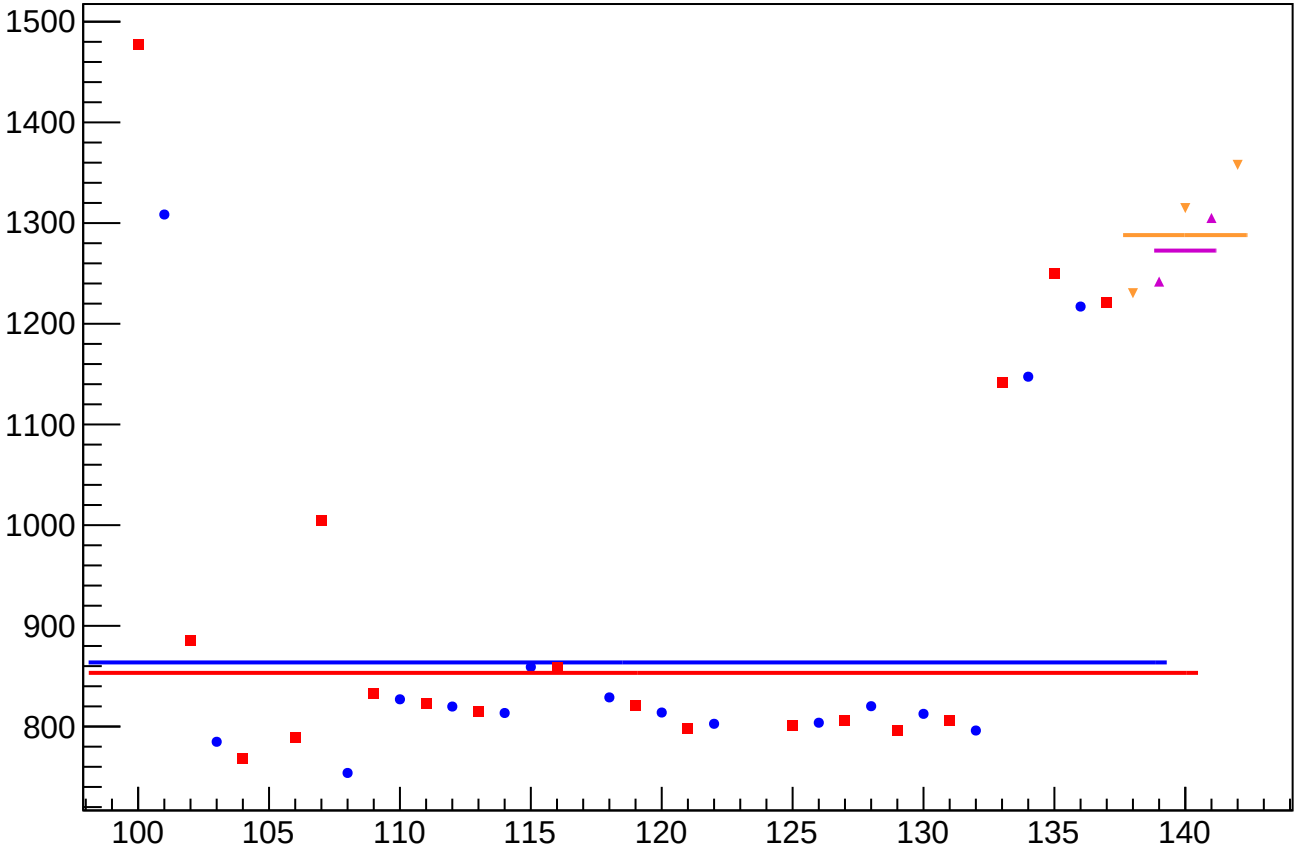
Left In: 396.815+/-968.181 χ^2/NDF:0.3/1

+ sign -147.707+/-306.587 χ^2/NDF: 23.5/18

All: 23.534+/-216.369 χ^2/NDF: 48.8/38

- sign 193.453+/-305.401 χ^2/NDF: 24.7/19

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

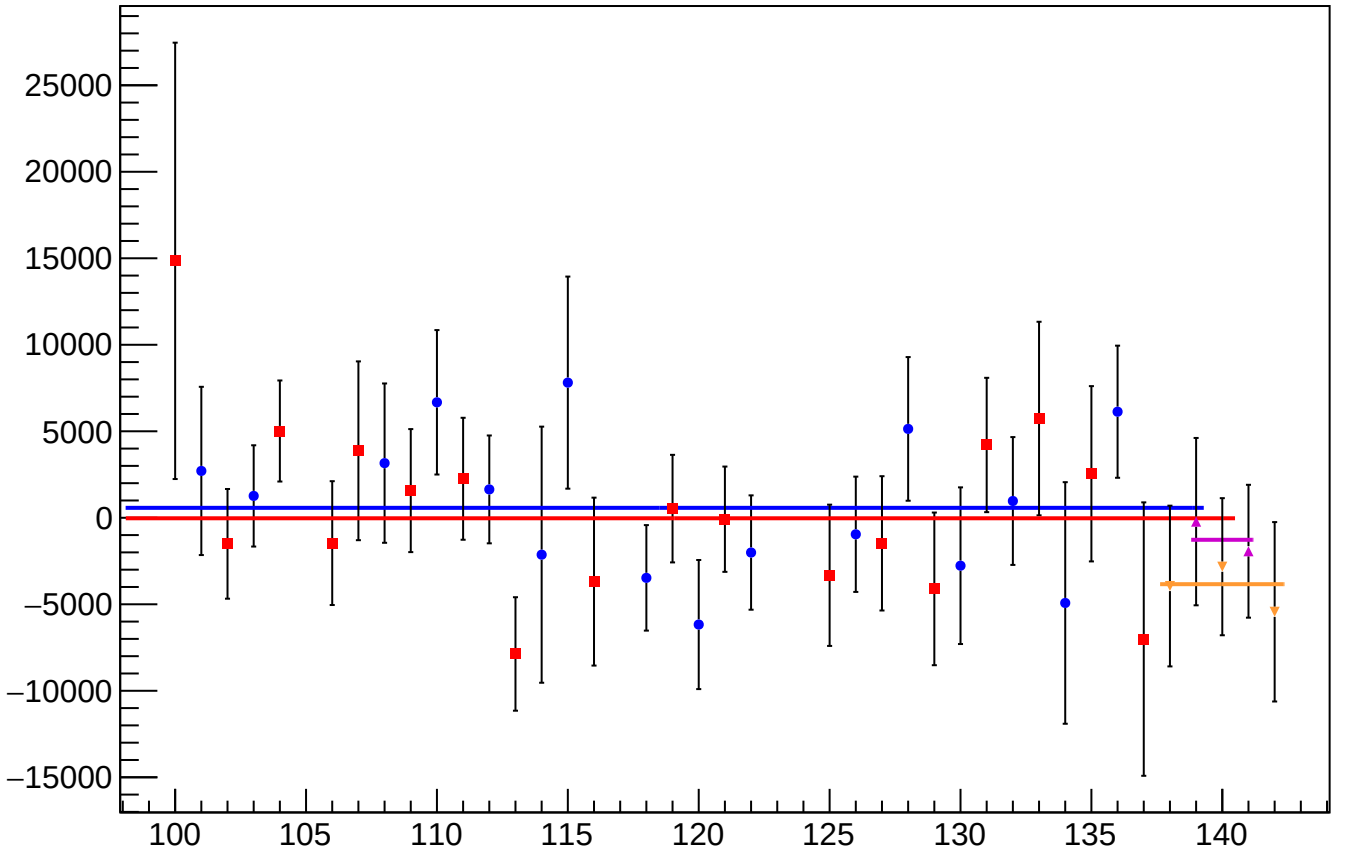
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1272.683+/-0.685 χ^2/NDF:2127.1/1

+ sign 913.224+/-0.217 χ^2/NDF: 809262.9/18

All: 903.849+/-0.153 χ^2/NDF: 1428746.9/38

- sign 894.632+/-0.215 χ^2/NDF: 615775.2/19



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3838.045+/-2606.092 χ^2/NDF:0.2/2

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

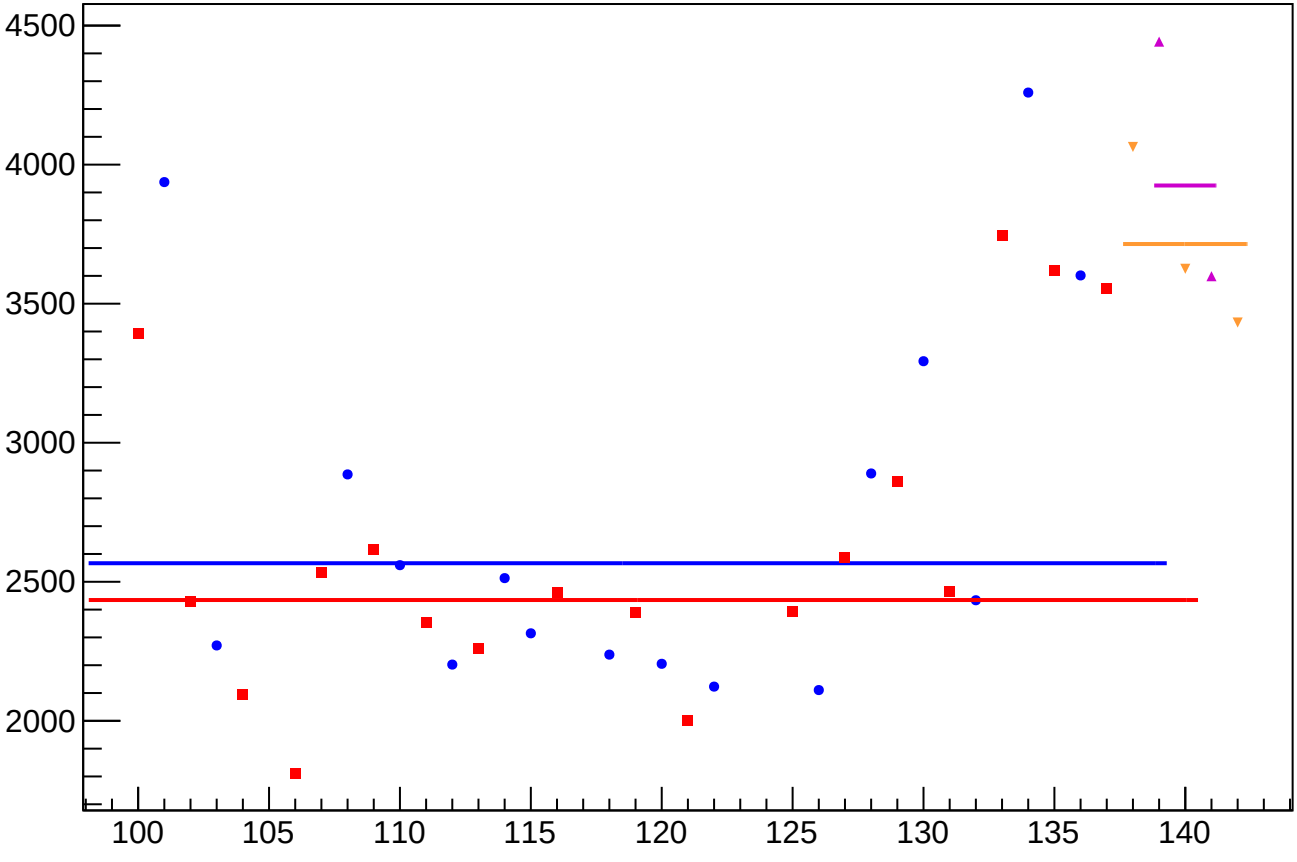
Left In: -1272.185+/-3007.418 χ^2/NDF:0.1/1

+ sign 28.382+/-917.170 χ^2/NDF: 17.4/18

All: -56.782+/-635.590 χ^2/NDF: 34.8/38

- sign -135.469+/-881.605 χ^2/NDF: 17.4/19

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3714.536+/-1.843 χ^2/NDF:18228.7/2

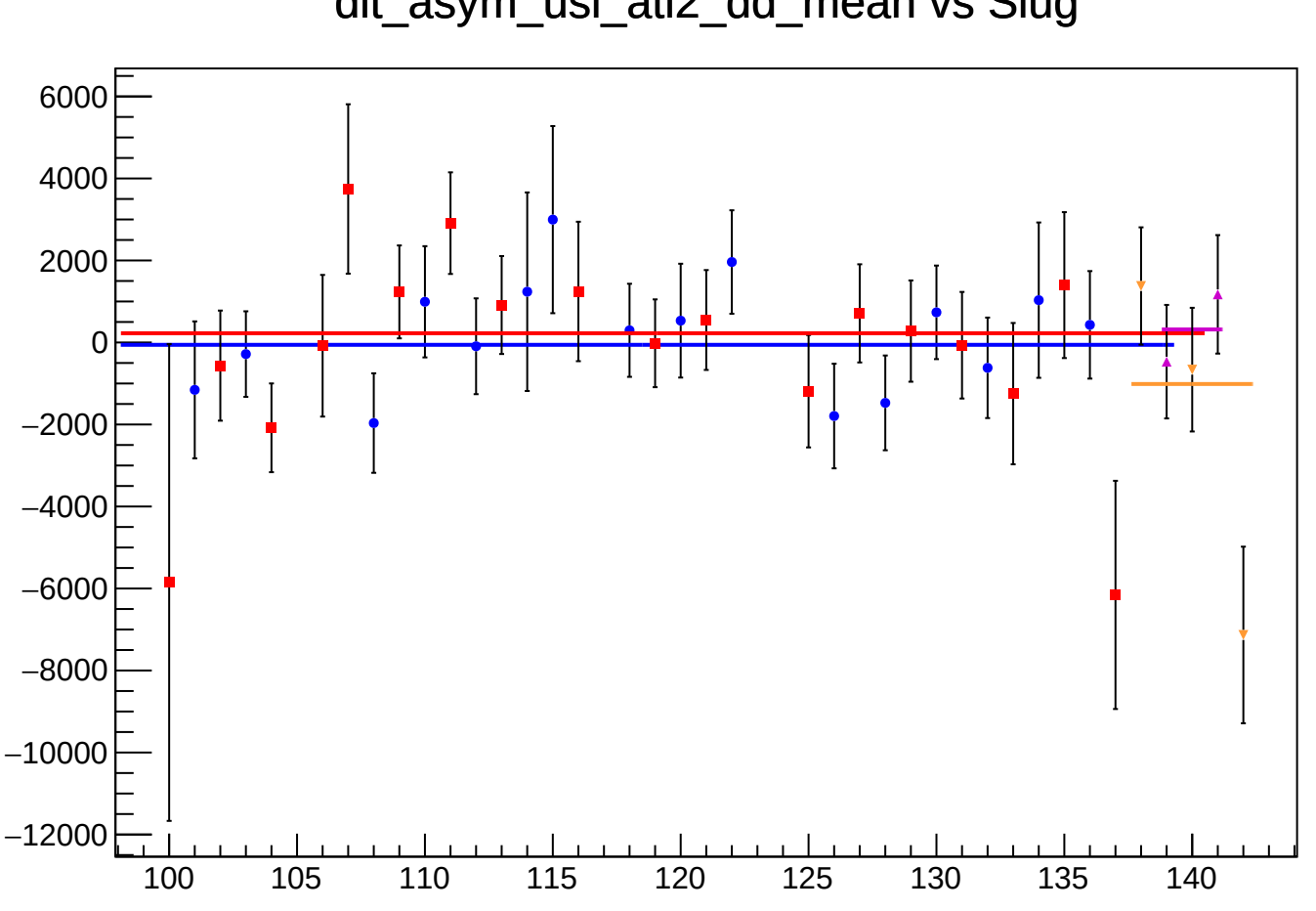
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3924.949+/-2.127 χ^2/NDF:37314.3/1

+ sign 2708.896+/-0.649 χ^2/NDF: 1024007.8/18

All: 2632.812+/-0.449 χ^2/NDF: 1970931.0/38

- sign 2562.515+/-0.623 χ^2/NDF: 920444.0/19



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1012.327+/-935.164 χ^2/NDF:10.9/2

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

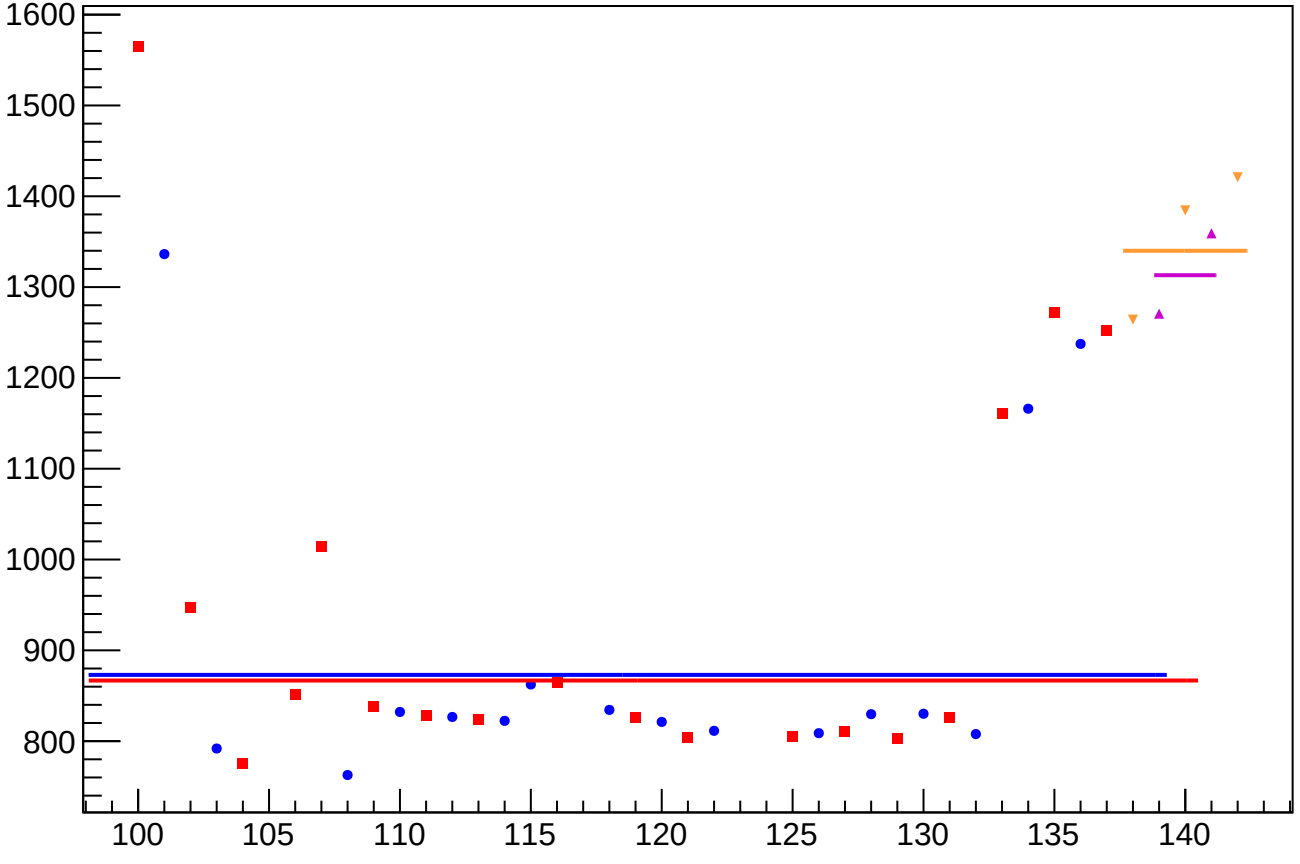
Left In: 318.081+/-999.569 χ^2/NDF:0.7/1

+ sign -163.023+/-311.267 χ^2/NDF: 24.8/18

All: 35.717+/-220.255 χ^2/NDF: 49.2/38

- sign 235.022+/-311.709 χ^2/NDF: 23.6/19

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1339.983+/-0.661 χ^2/NDF:10180.7/2

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

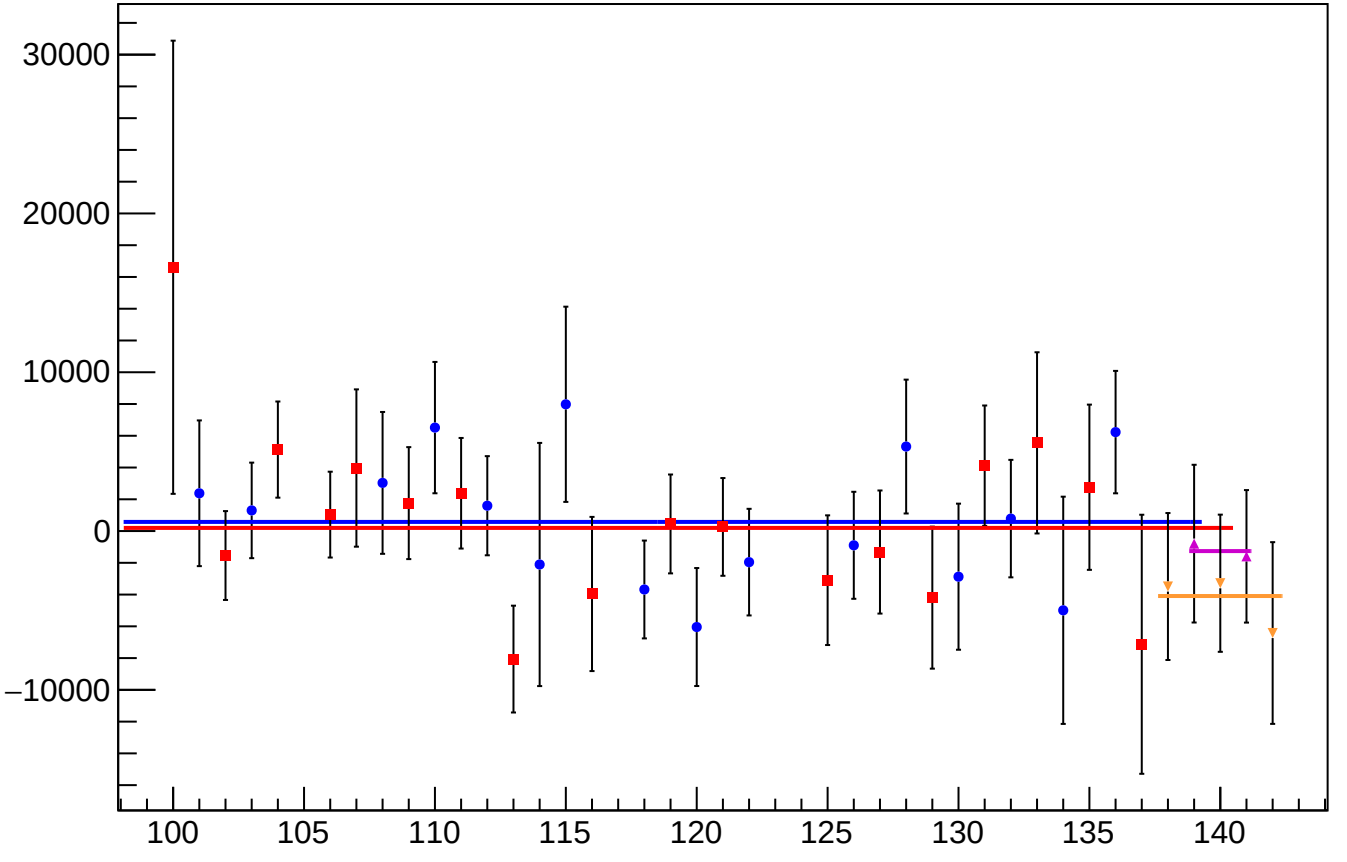
Left In: 1313.081+/-0.707 χ^2/NDF:3911.4/1

+ sign 924.710+/-0.220 χ^2/NDF: 870802.6/18

All: 917.407+/-0.156 χ^2/NDF: 1527325.5/38

- sign 910.096+/-0.220 χ^2/NDF: 654319.8/19

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -4091.382+/-2764.309 χ^2/NDF:0.2/2

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

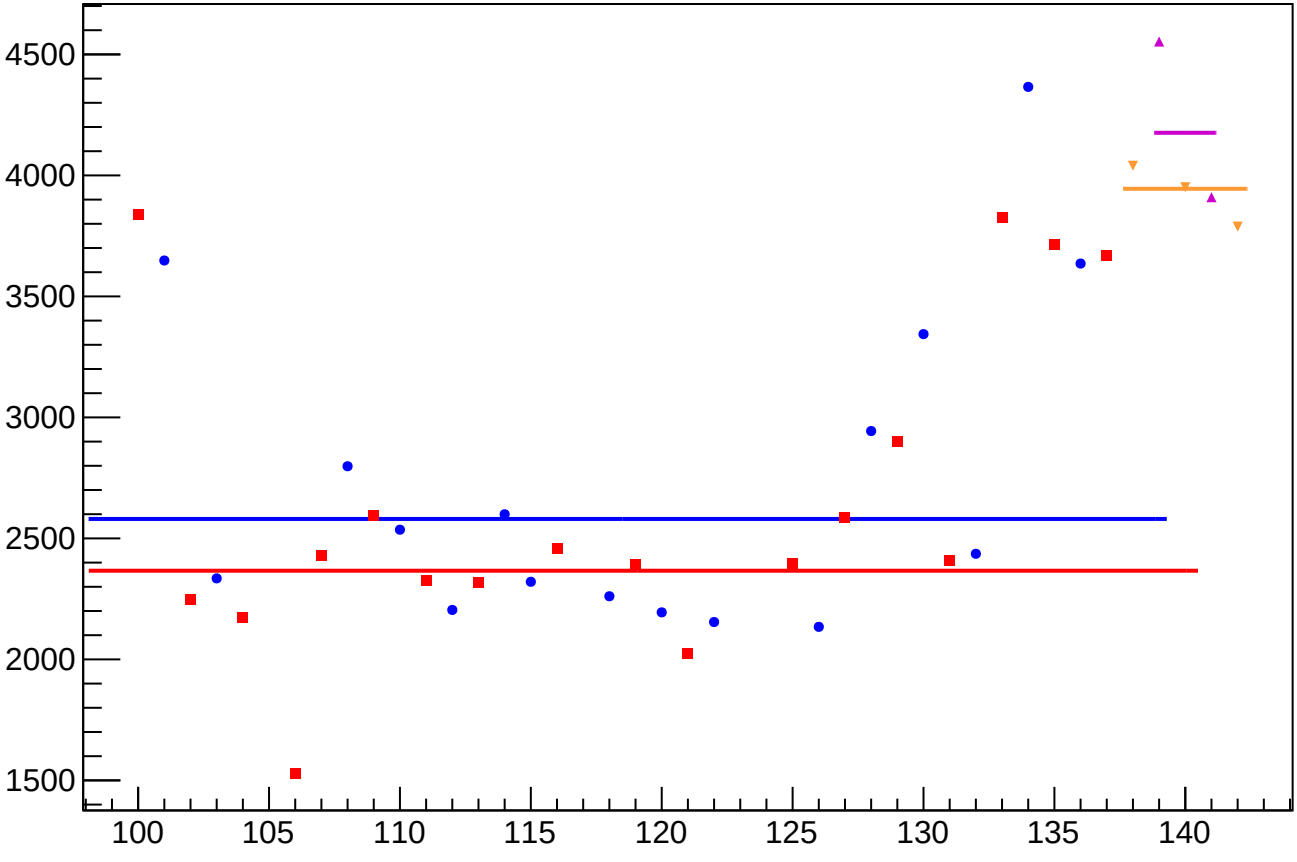
Left In: -1261.607+/-3194.469 χ^2/NDF:0.0/1

+ sign 49.611+/-927.762 χ^2/NDF: 17.4/18

All: 72.339+/-631.114 χ^2/NDF: 34.8/38

- sign 91.916+/-861.030 χ^2/NDF: 17.4/19

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3944.805+/-1.955 χ^2/NDF:2345.2/2

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

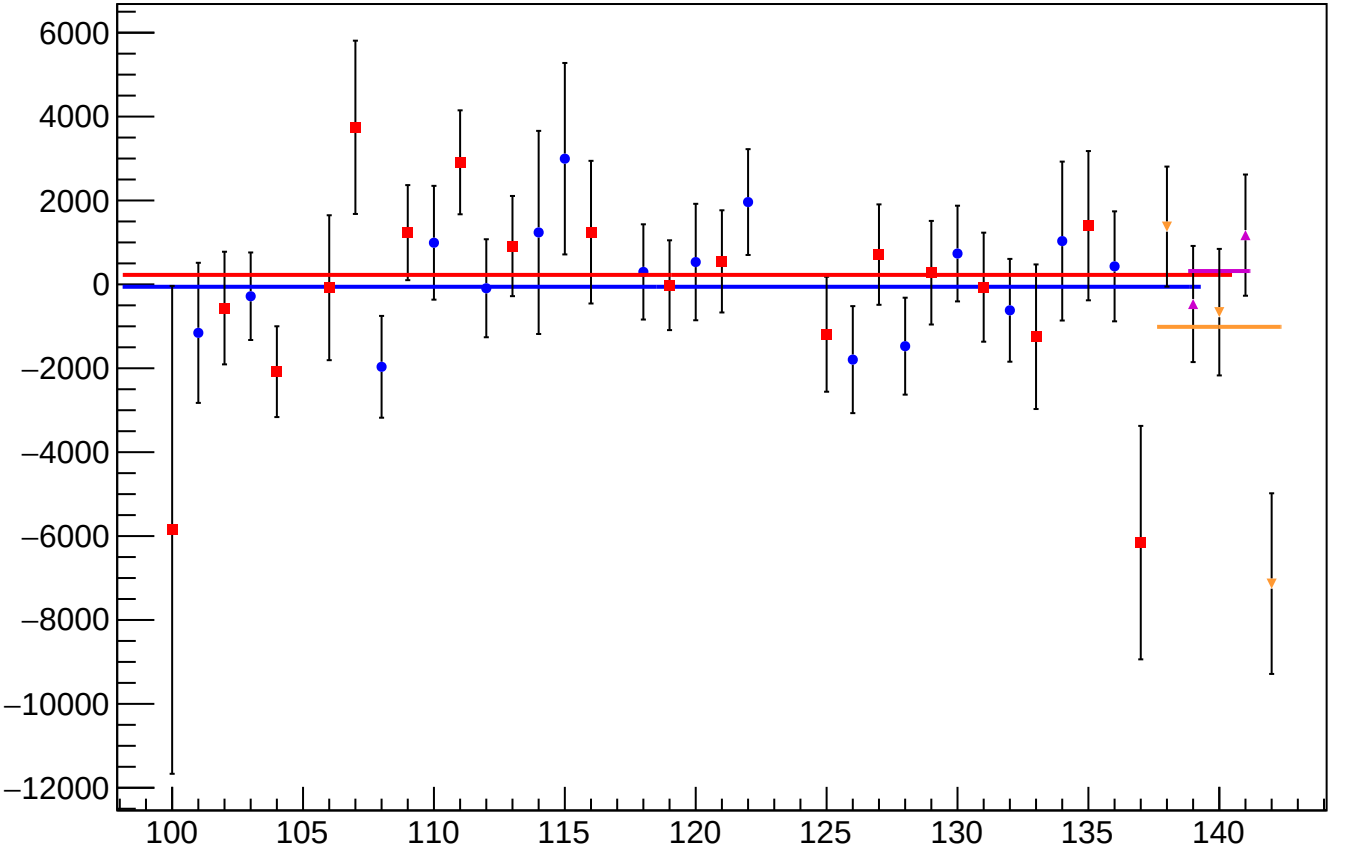
Left In: 4176.145+/-2.259 χ^2/NDF:19674.0/1

+ sign 2734.068+/-0.656 χ^2/NDF: 1051872.6/18

All: 2607.181+/-0.446 χ^2/NDF: 2348132.1/38

- sign 2497.890+/-0.609 χ^2/NDF: 1226626.4/19

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1012.338+/-935.164 χ^2/NDF:10.9/2

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

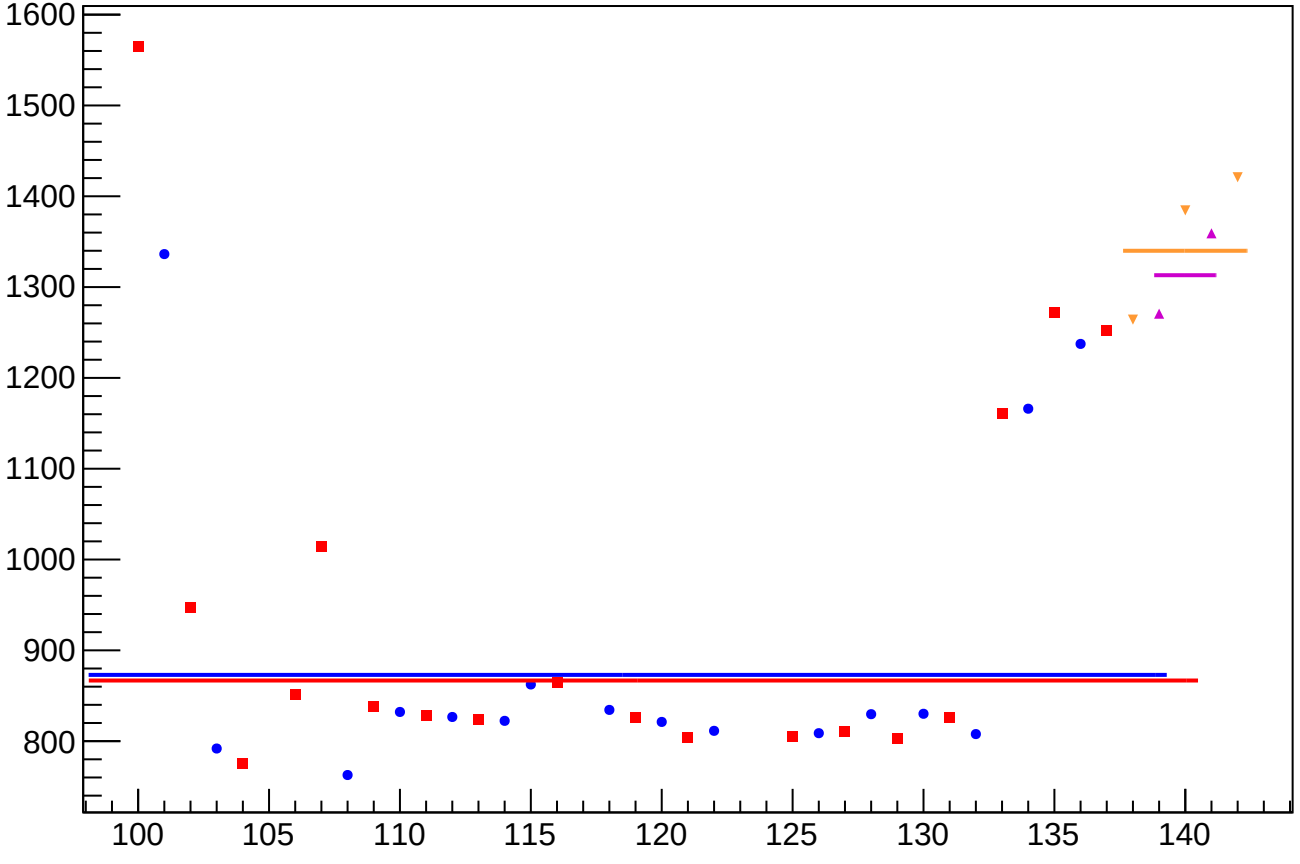
Left In: 318.079+/-999.570 χ^2/NDF:0.7/1

+ sign -163.026+/-311.267 χ^2/NDF: 24.8/18

All: 35.716+/-220.255 χ^2/NDF: 49.2/38

- sign 235.025+/-311.709 χ^2/NDF: 23.6/19

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1339.984+/-0.661 χ^2/NDF:10181.0/2

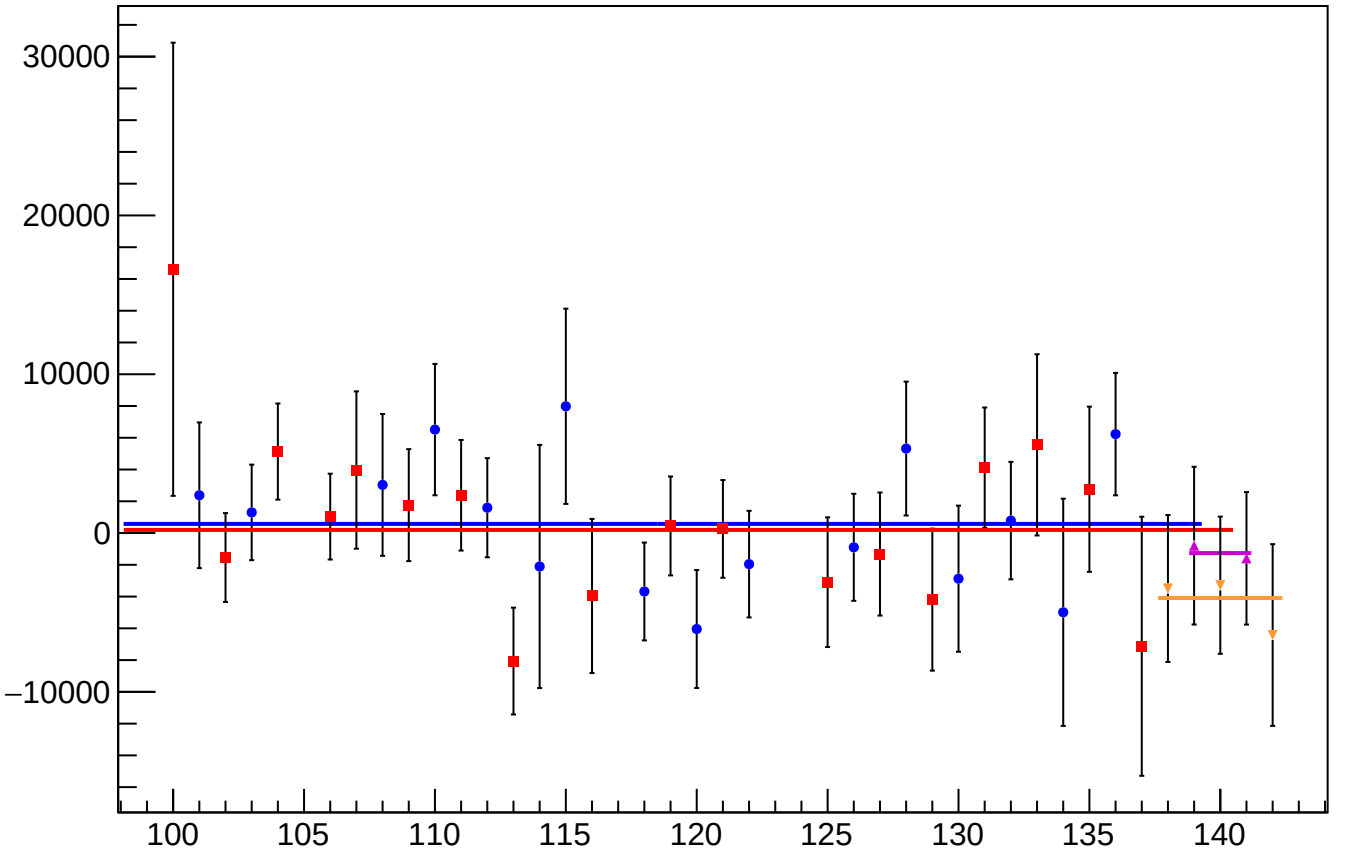
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1313.082+/-0.707 χ^2/NDF:3911.4/1

+ sign 924.711+/-0.220 χ^2/NDF: 870804.0/18

All: 917.407+/-0.156 χ^2/NDF: 1527328.4/38

- sign 910.097+/-0.220 χ^2/NDF: 654321.3/19



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -4091.402+/-2764.318 χ^2/NDF:0.2/2

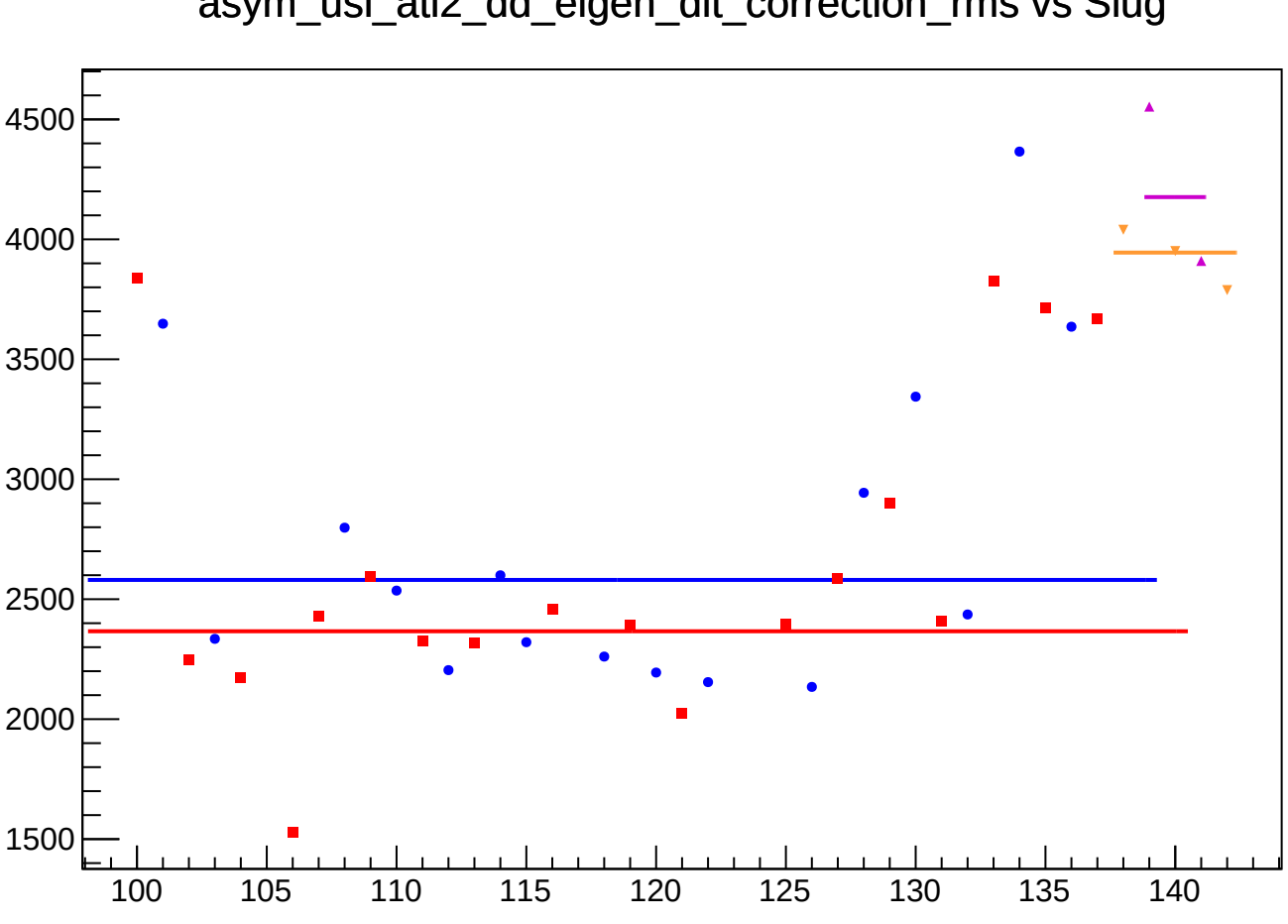
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -1261.609+/-3194.477 χ^2/NDF:0.0/1

+ sign 49.610+/-927.759 χ^2/NDF: 17.4/18

All: 72.340+/-631.113 χ^2/NDF: 34.8/38

- sign 91.918+/-861.028 χ^2/NDF: 17.4/19



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3944.816+/-1.955 χ^2/NDF:2345.2/2

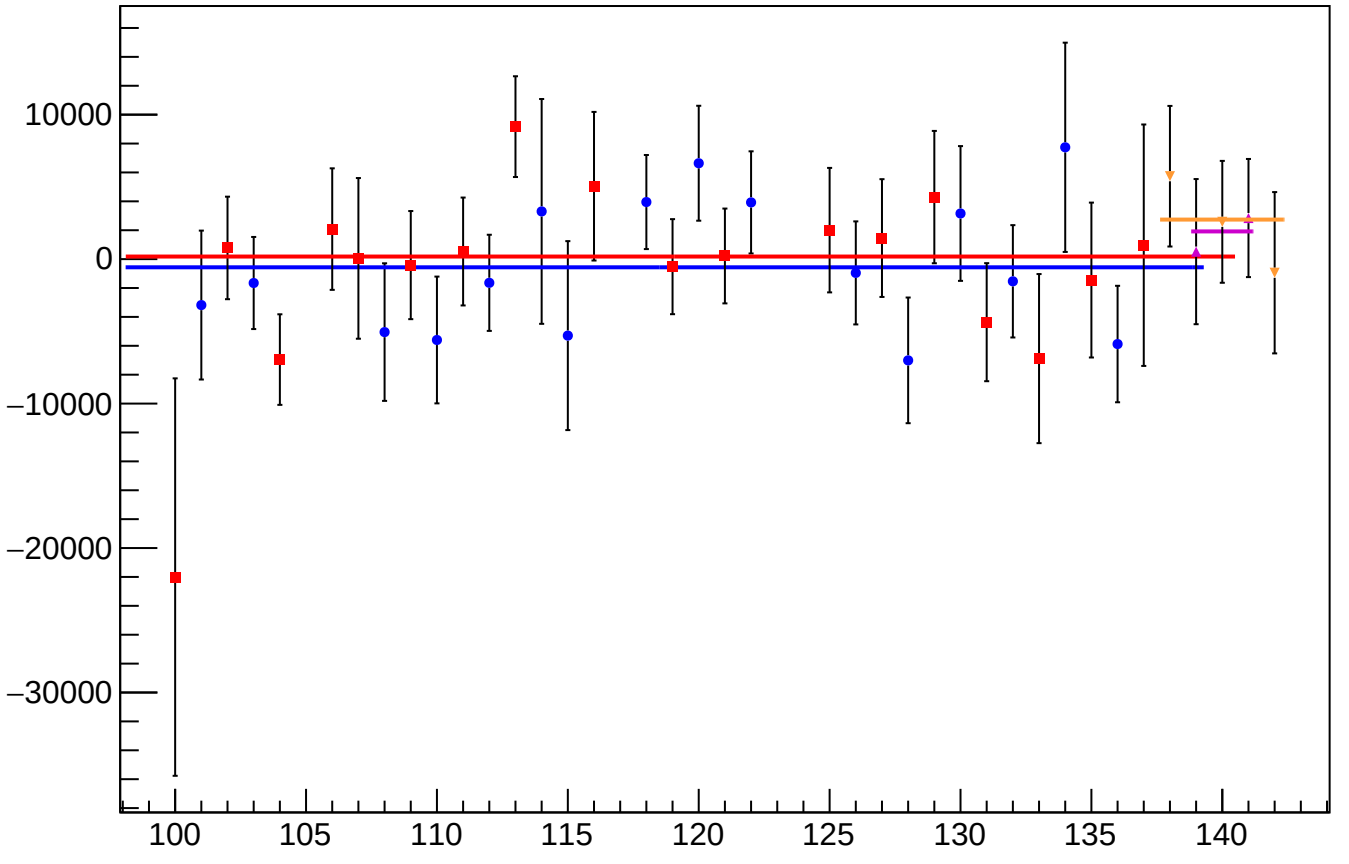
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4176.154+/-2.259 χ^2/NDF:19674.7/1

+ sign 2734.061+/-0.656 χ^2/NDF: 1051890.5/18

All: 2607.173+/-0.446 χ^2/NDF: 2348162.7/38

- sign 2497.883+/-0.609 χ^2/NDF: 1226639.3/19



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2736.747+/-2767.981 χ^2/NDF:0.8/2

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

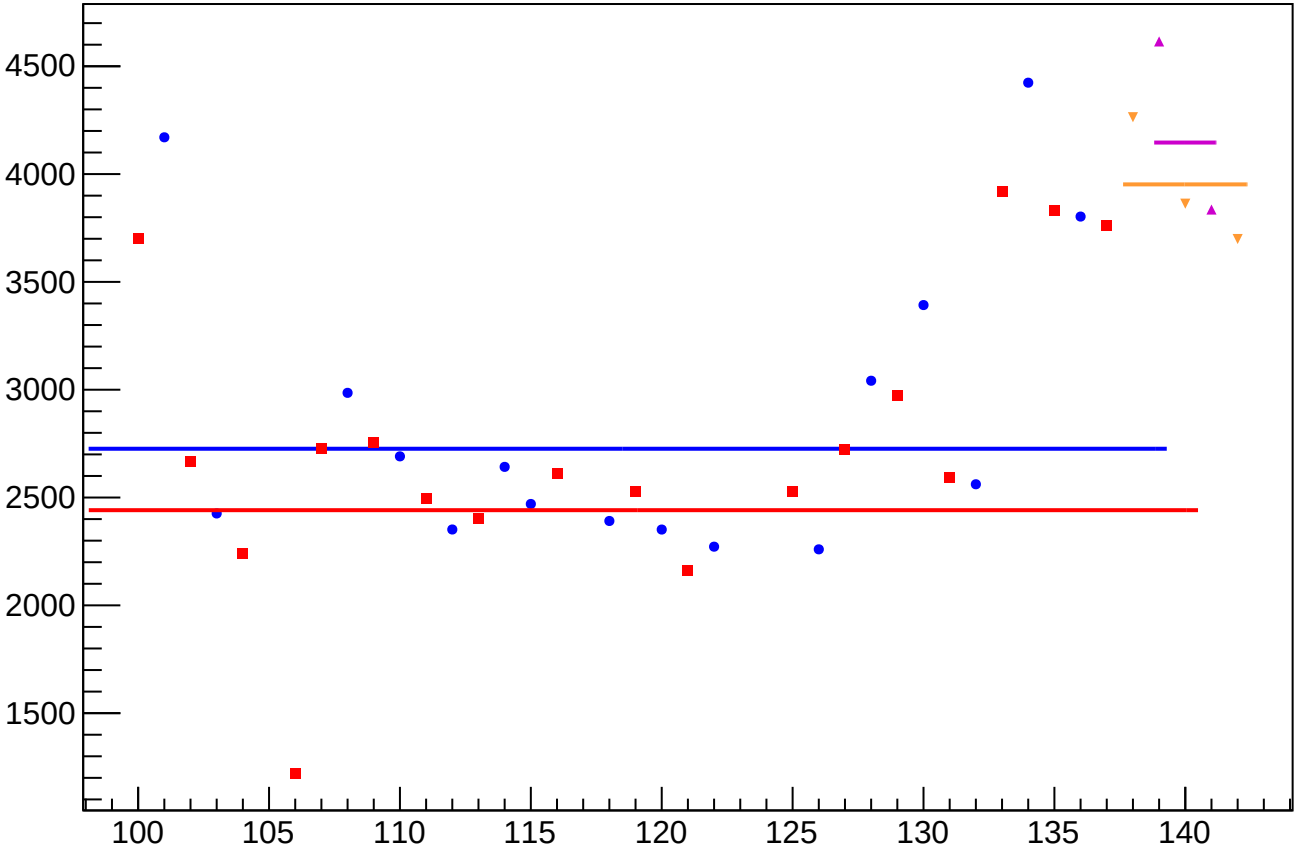
Left In: 1917.423+/-3171.590 χ^2/NDF:0.1/1

+ sign -157.299+/-973.807 χ^2/NDF: 18.3/18

All: 95.313+/-677.665 χ^2/NDF: 38.3/38

- sign 332.512+/-943.632 χ^2/NDF: 19.9/19

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3952.189+/-1.957 χ^2/NDF:13214.6/2

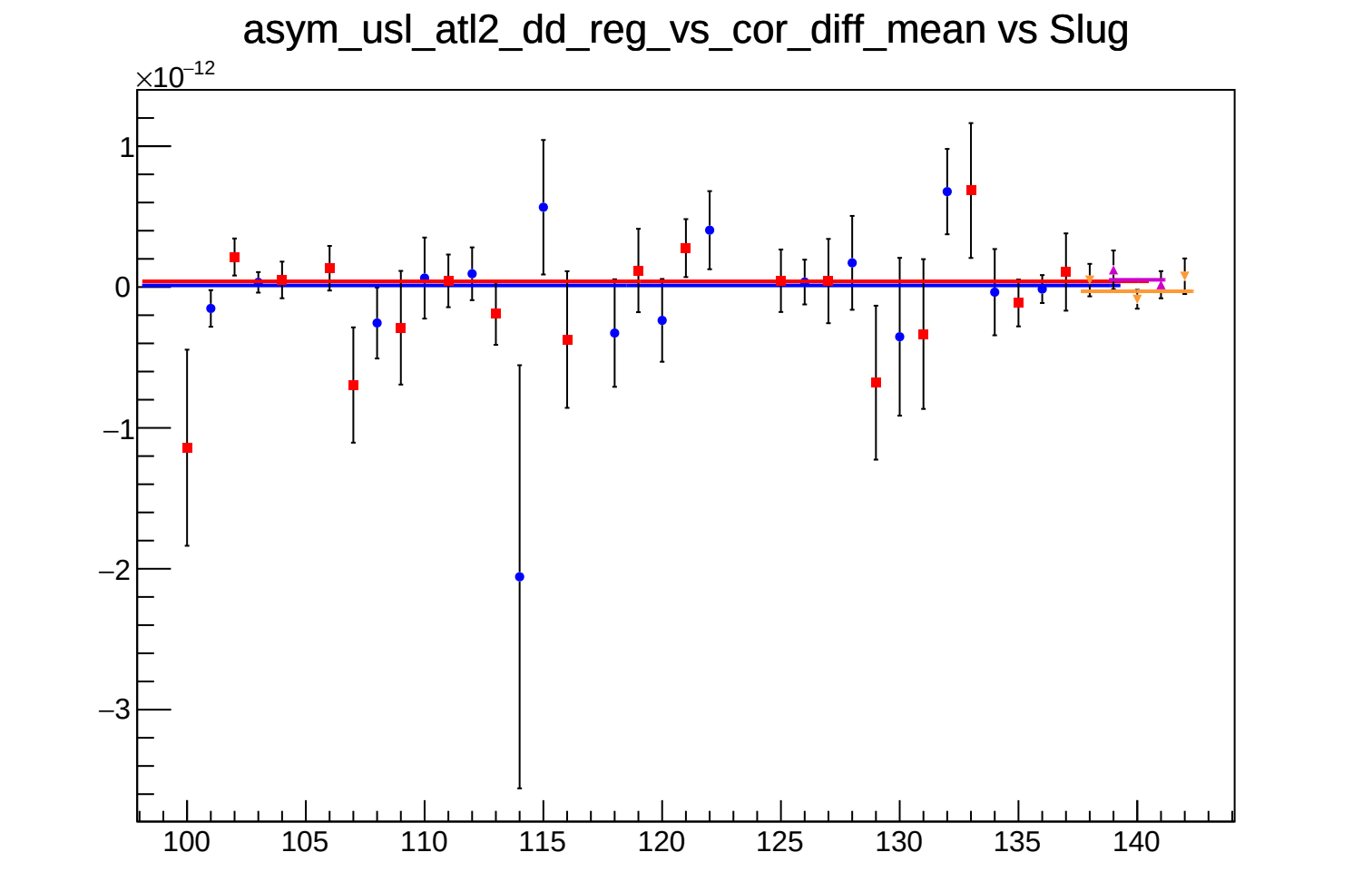
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4146.221+/-2.243 χ^2/NDF:28962.0/1

\+ sign 2877.969+/-0.689 χ^2/NDF: 980068.2/18

All: 2717.875+/-0.468 χ^2/NDF: 2531750.7/38

\- sign 2579.890+/-0.639 χ^2/NDF: 1451037.4/19



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/2

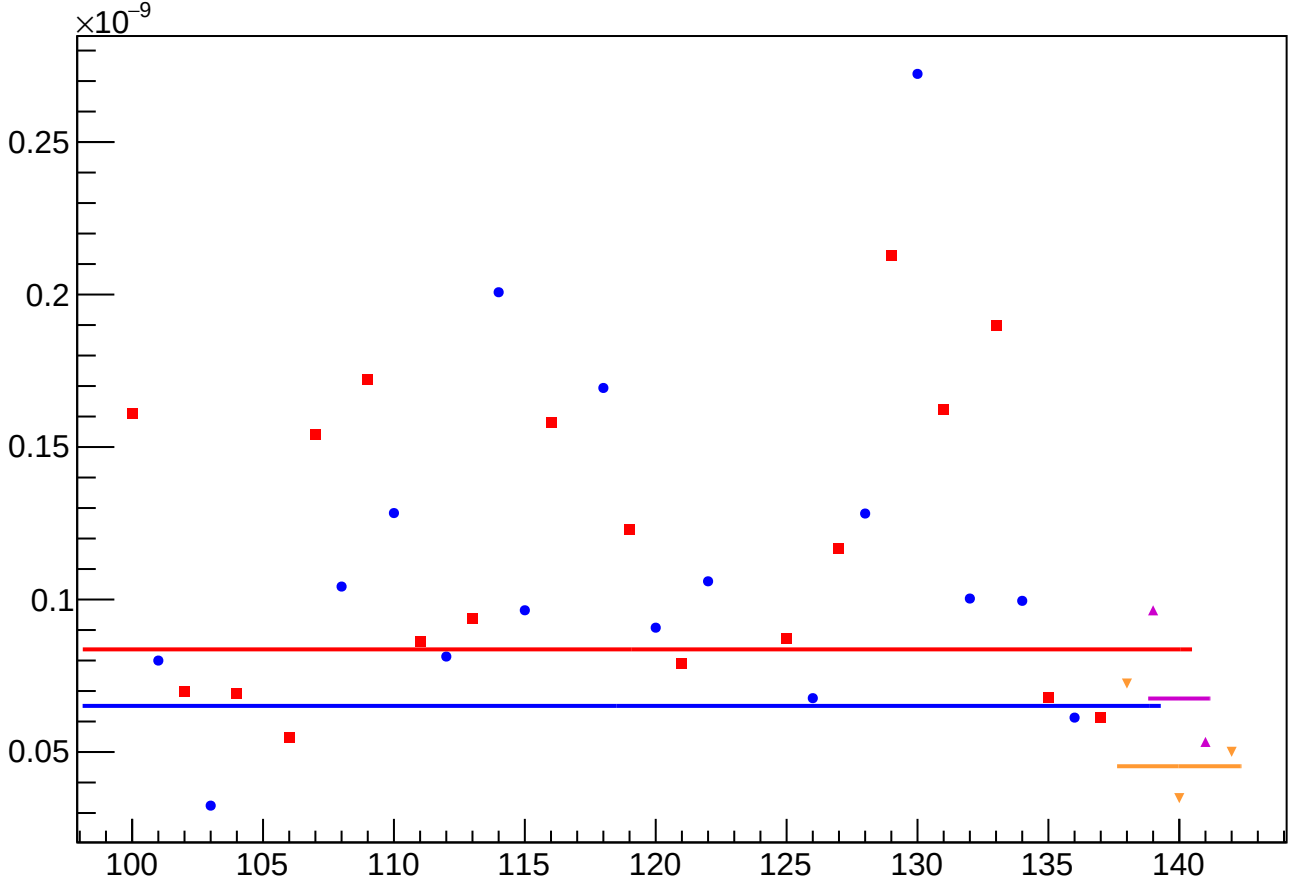
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 17.6/18

All: 0.000+/-0.000 χ^2/NDF: 35.8/38

- sign 0.000+/-0.000 χ^2/NDF: 17.4/19



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:162386.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

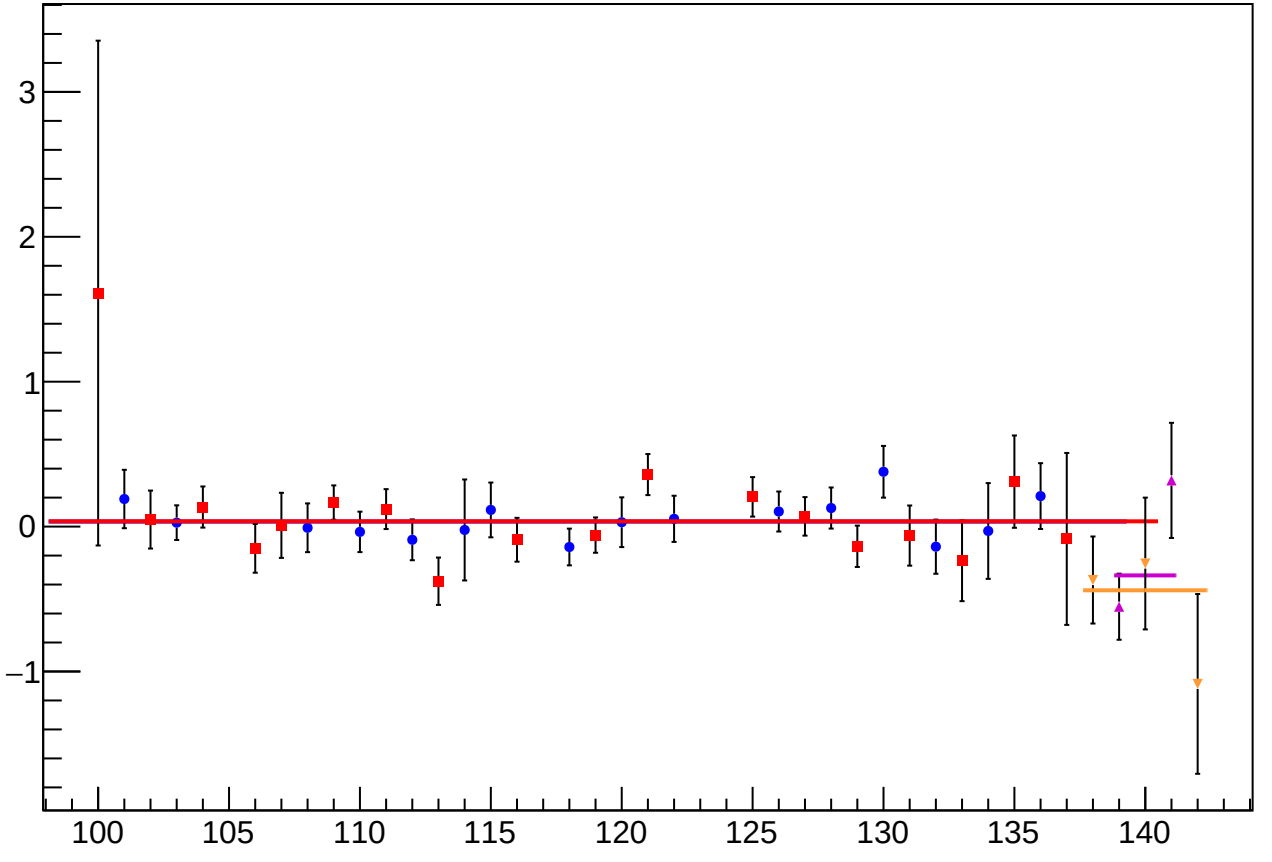
Left In: 0.000+/-0.000 χ^2/NDF:132148.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 1551342.4/18

All: 0.000+/-0.000 χ^2/NDF: 2734942.9/38

- sign 0.000+/-0.000 χ^2/NDF: 880887.7/19

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: -0.440+/-0.232 χ^2/NDF:1.3/2

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

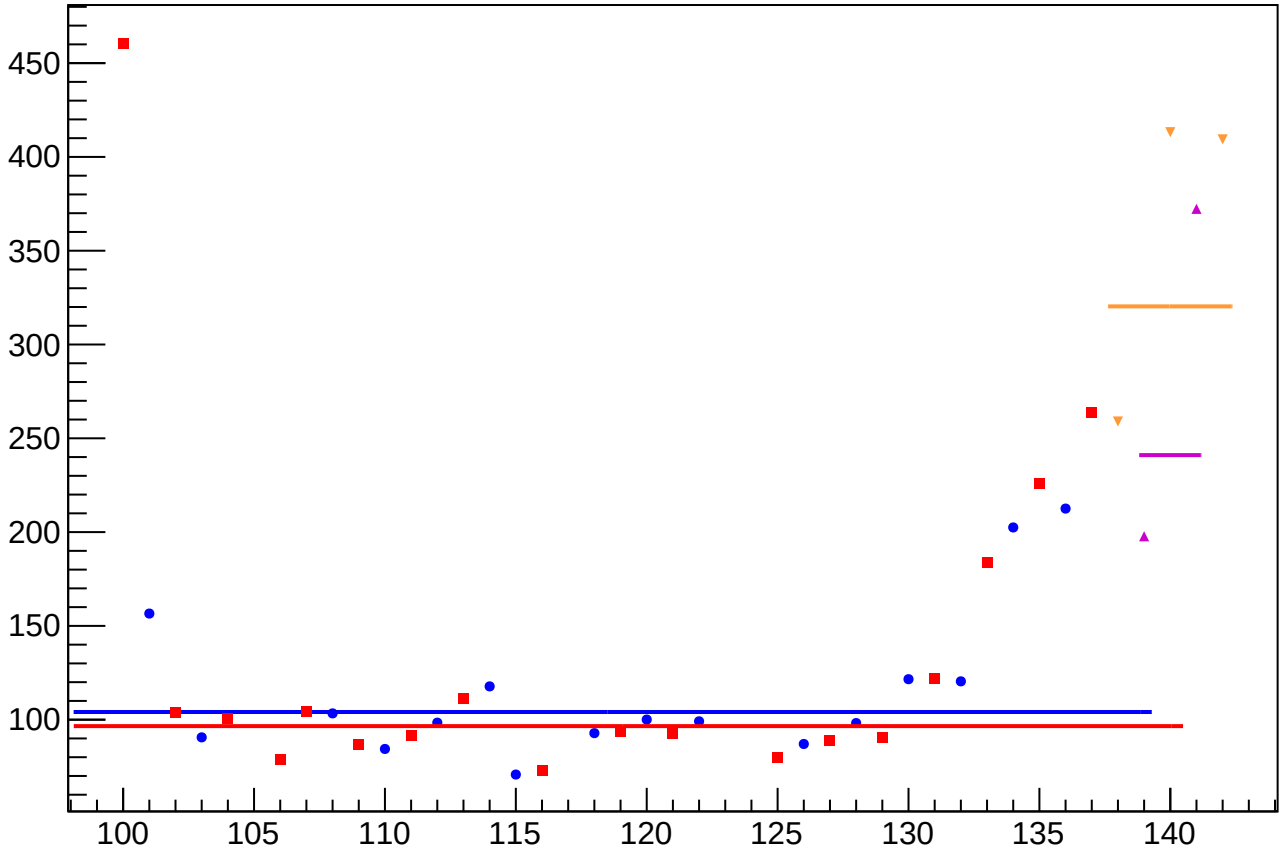
Left In: -0.337+/-0.198 χ^2/NDF:3.6/1

+ sign 0.021+/-0.040 χ^2/NDF: 15.1/18

All: 0.022+/-0.028 χ^2/NDF: 44.2/38

- sign 0.022+/-0.038 χ^2/NDF: 29.1/19

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 320.322+/-0.164 χ^2/NDF:208087.4/2

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

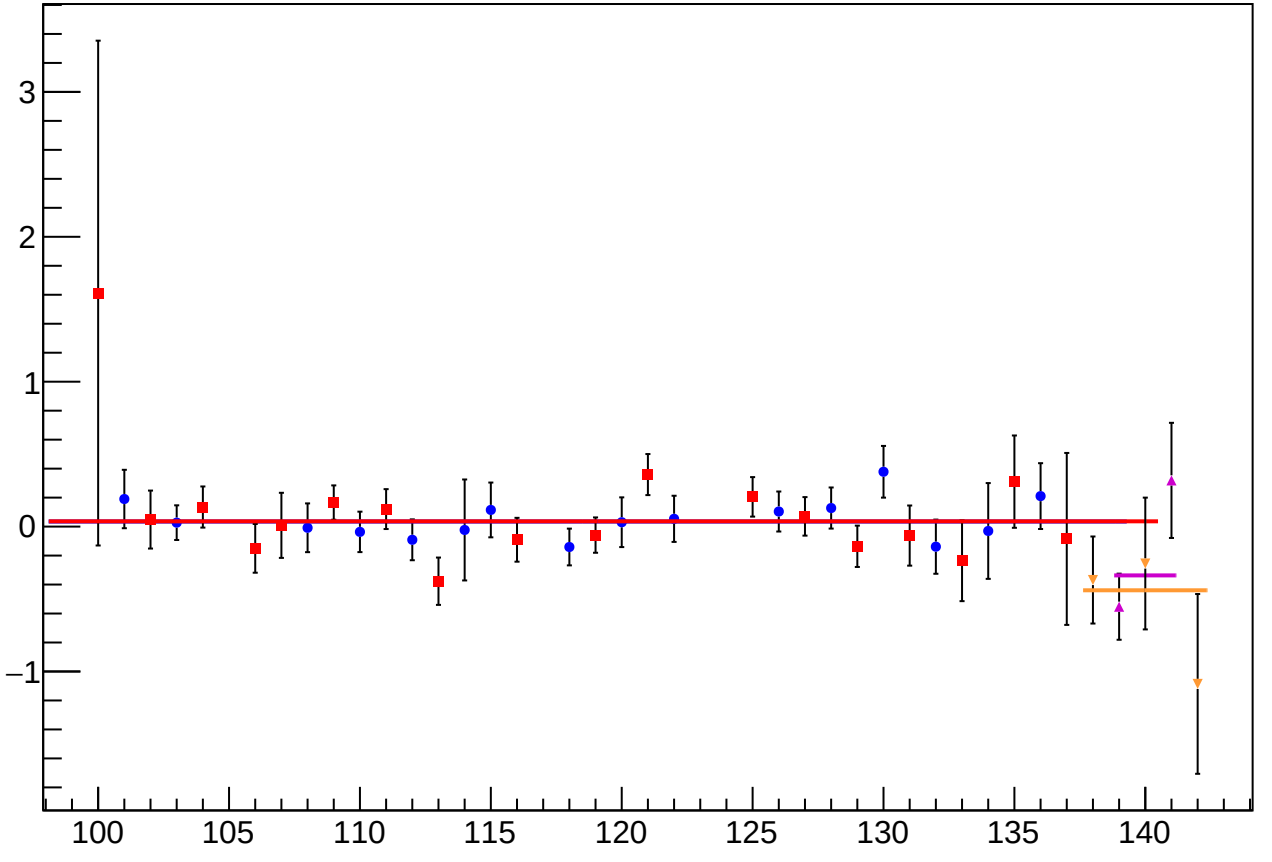
Left In: 241.042+/-0.140 χ^2/NDF:290247.1/1

+ sign 110.636+/-0.029 χ^2/NDF: 2877205.6/18

All: 106.045+/-0.020 χ^2/NDF: 5198809.0/38

- sign 101.947+/-0.027 χ^2/NDF: 2272724.9/19

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.440+/-0.232 χ^2/NDF:1.3/2

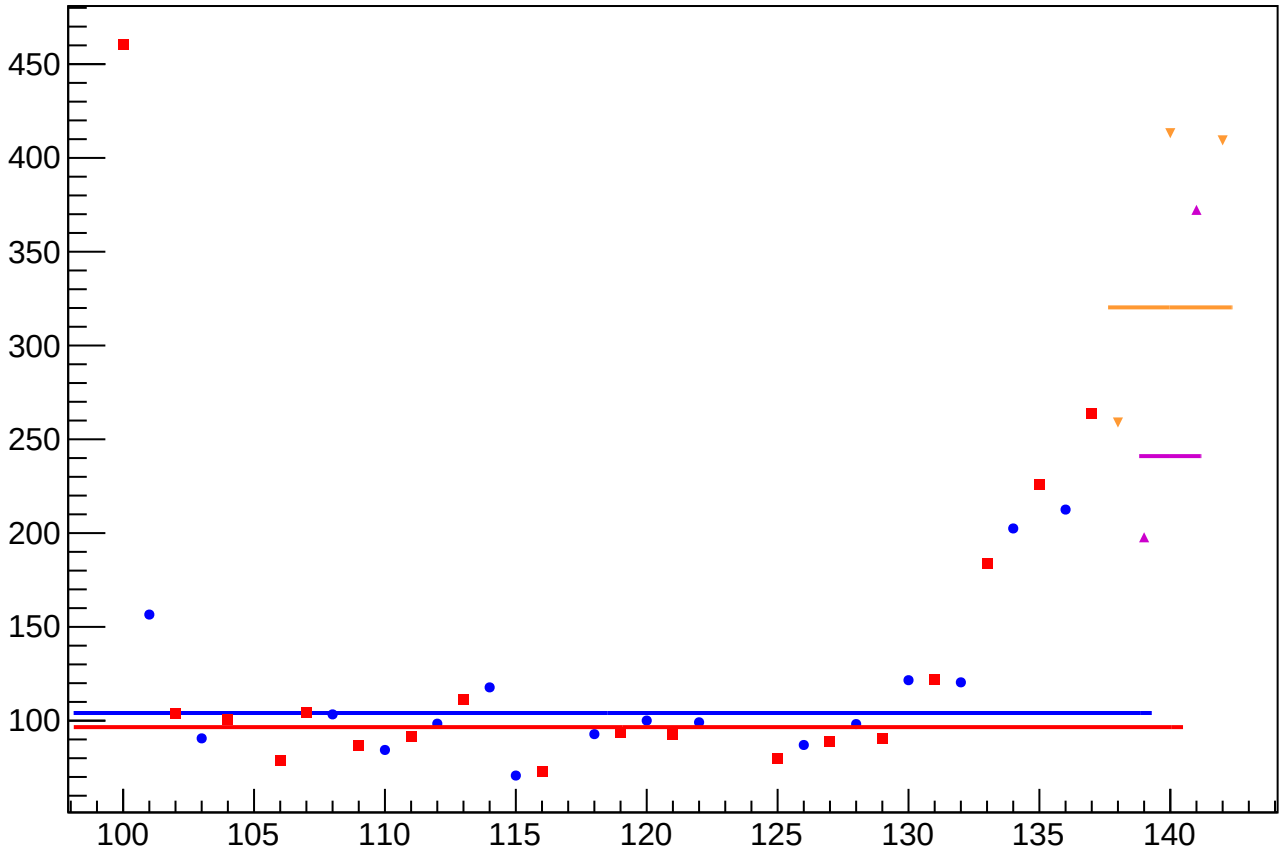
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.337+/-0.198 χ^2/NDF:3.6/1

+ sign 0.021+/-0.040 χ^2/NDF: 15.1/18

All: 0.022+/-0.028 χ^2/NDF: 44.2/38

- sign 0.022+/-0.038 χ^2/NDF: 29.1/19



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 320.322+/-0.164 χ^2/NDF:208087.4/2

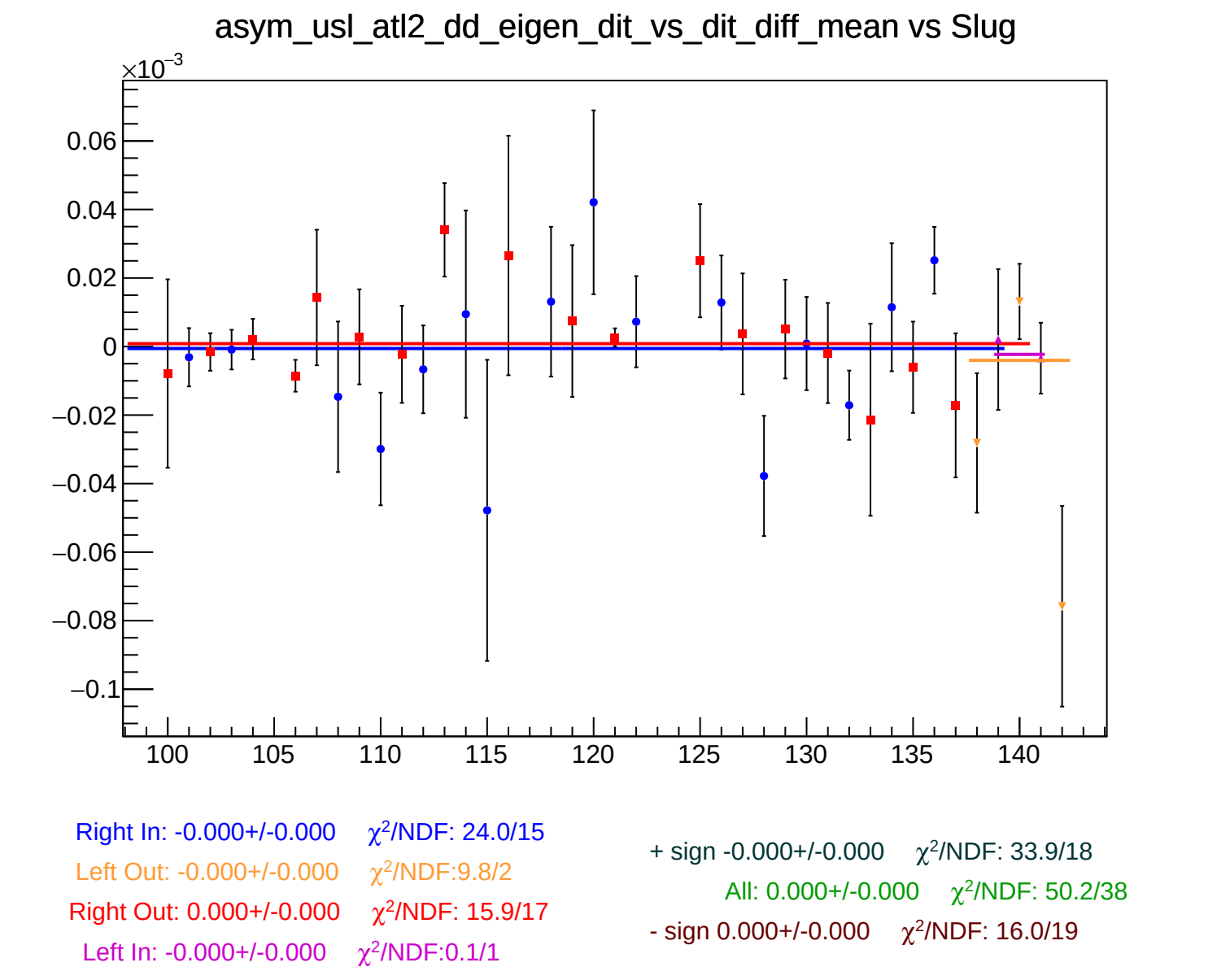
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

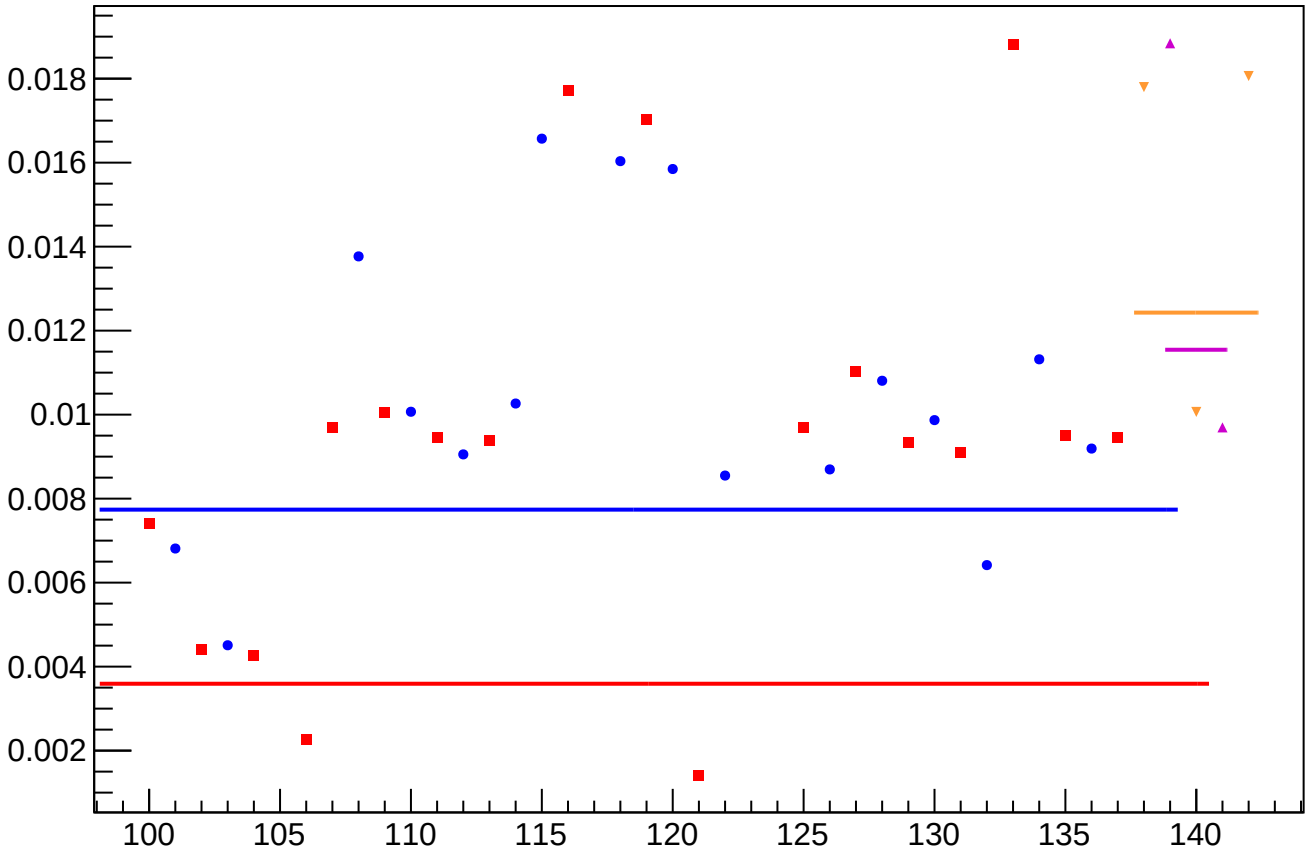
Left In: 241.042+/-0.140 χ^2/NDF:290247.1/1

+ sign 110.636+/-0.029 χ^2/NDF: 2877205.6/18

All: 106.045+/-0.020 χ^2/NDF: 5198809.0/38

- sign 101.947+/-0.027 χ^2/NDF: 2272724.9/19


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/2
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
+ sign -0.000+/-0.000 χ²/NDF: 33.9/18
All: 0.000+/-0.000 χ²/NDF: 50.2/38
- sign 0.000+/-0.000 χ²/NDF: 16.0/19



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:305485.7/2

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

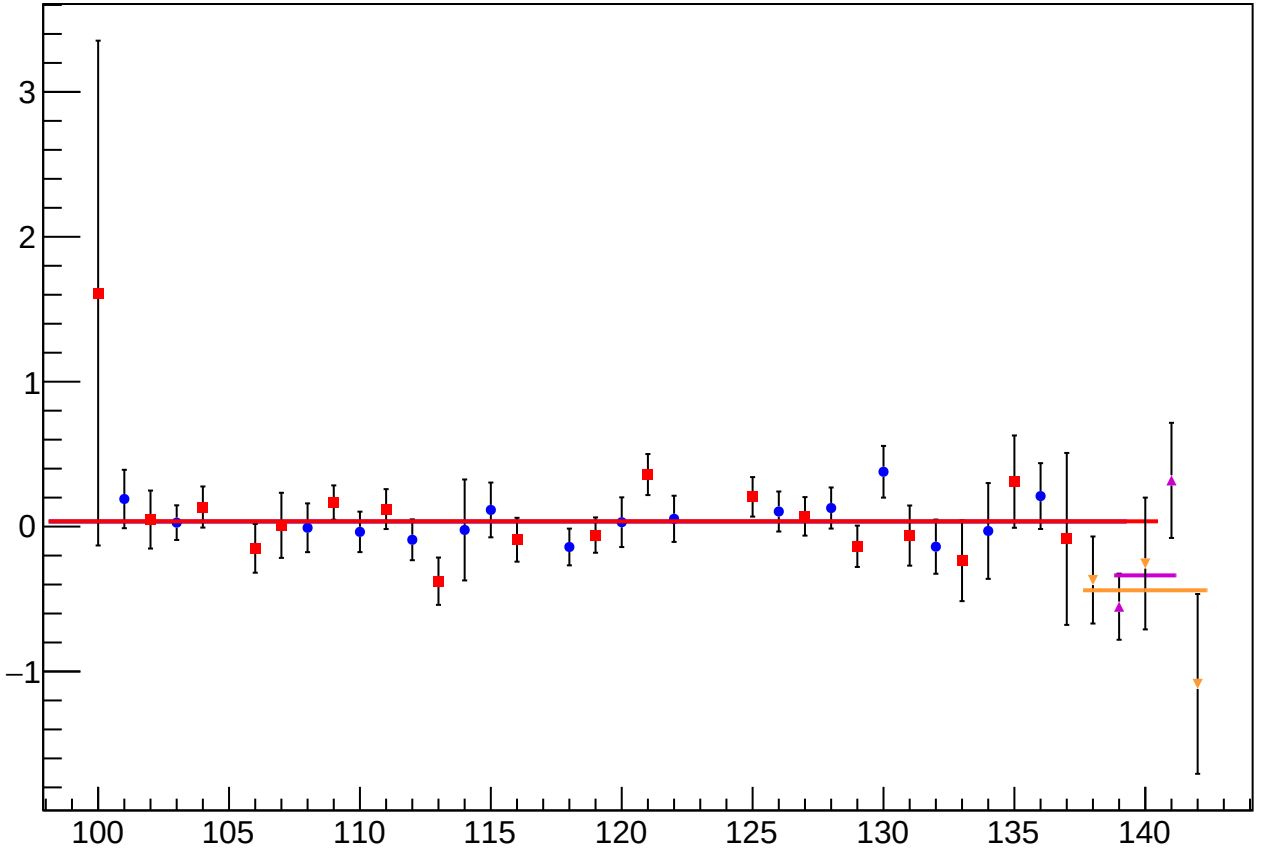
Left In: 0.012+/-0.000 χ^2/NDF:316237.6/1

+ sign 0.008+/-0.000 χ^2/NDF: 2474326.1/18

All: 0.005+/-0.000 χ^2/NDF: 13710589.9/38

- sign 0.004+/-0.000 χ^2/NDF: 8107197.5/19

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.440+/-0.232 χ^2/NDF:1.3/2

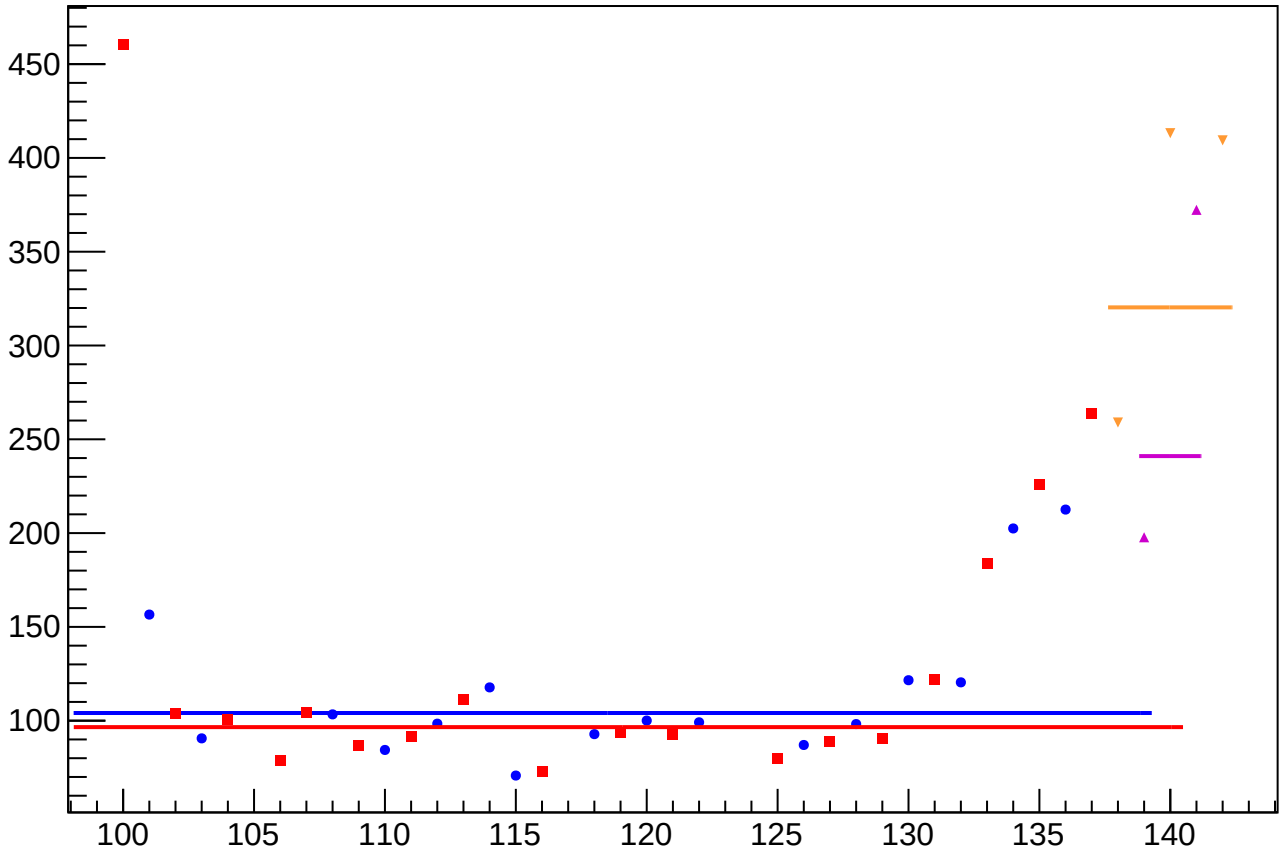
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.337+/-0.198 χ^2/NDF:3.6/1

+ sign 0.021+/-0.040 χ^2/NDF: 15.1/18

All: 0.022+/-0.028 χ^2/NDF: 44.2/38

- sign 0.022+/-0.038 χ^2/NDF: 29.1/19



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 320.325+/-0.164 χ^2/NDF:208097.0/2

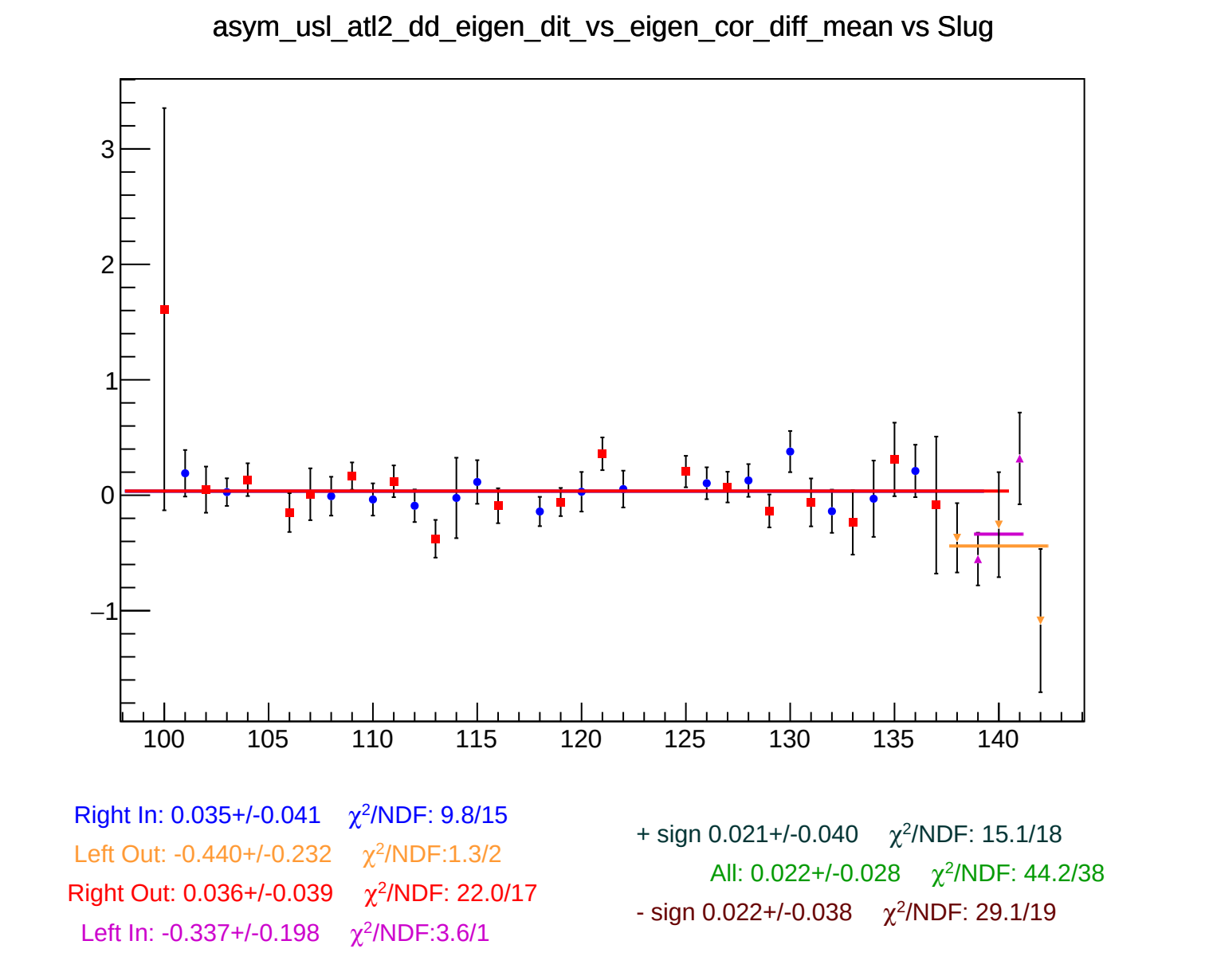
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

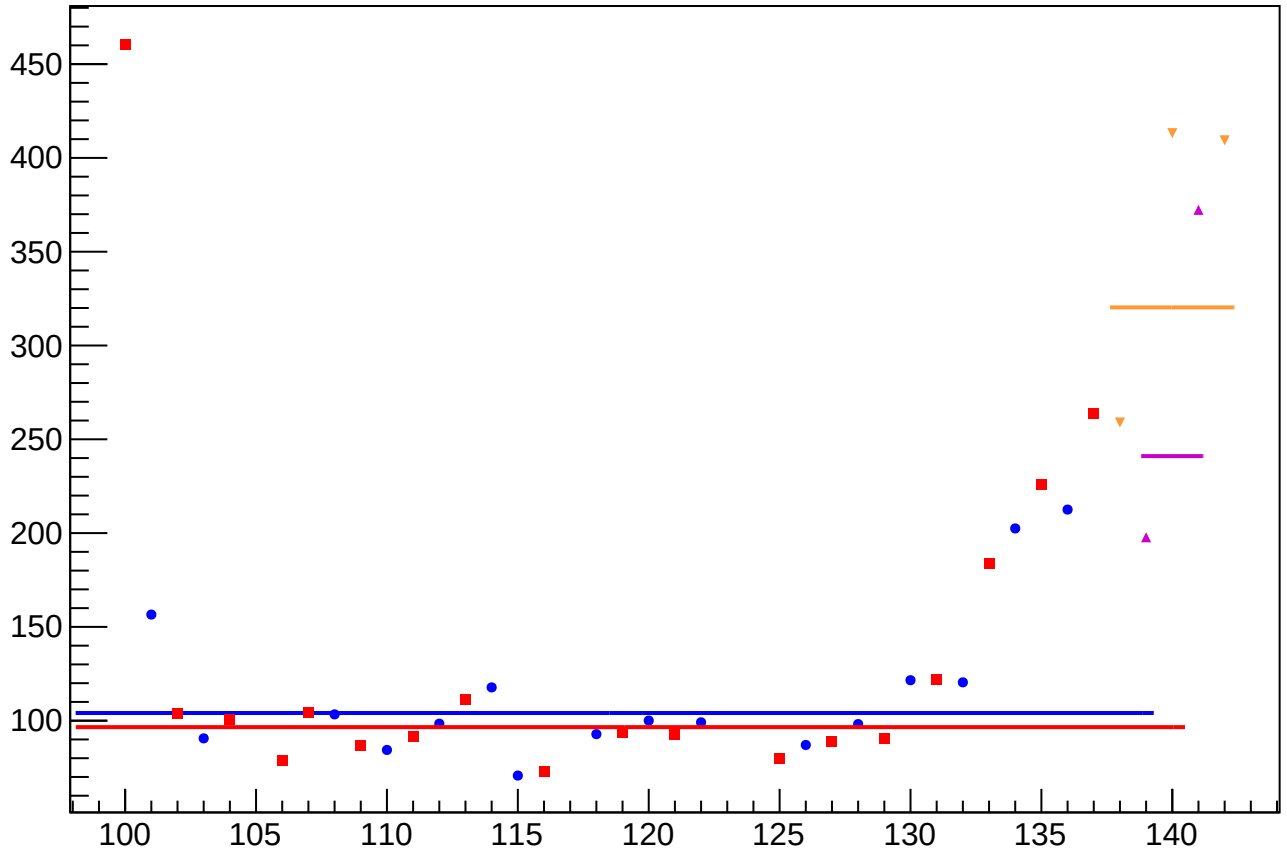
Left In: 241.049+/-0.140 χ^2/NDF:290234.7/1

+ sign 110.637+/-0.029 χ^2/NDF: 2877170.5/18

All: 106.046+/-0.020 χ^2/NDF: 5198708.5/38

- sign 101.948+/-0.027 χ^2/NDF: 2272665.4/19


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.440+/-0.232 χ²/NDF:1.3/2
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.337+/-0.198 χ²/NDF:3.6/1
+ sign 0.021+/-0.040 χ²/NDF: 15.1/18
All: 0.022+/-0.028 χ²/NDF: 44.2/38
- sign 0.022+/-0.038 χ²/NDF: 29.1/19



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 320.325+/-0.164 χ^2/NDF:208097.0/2

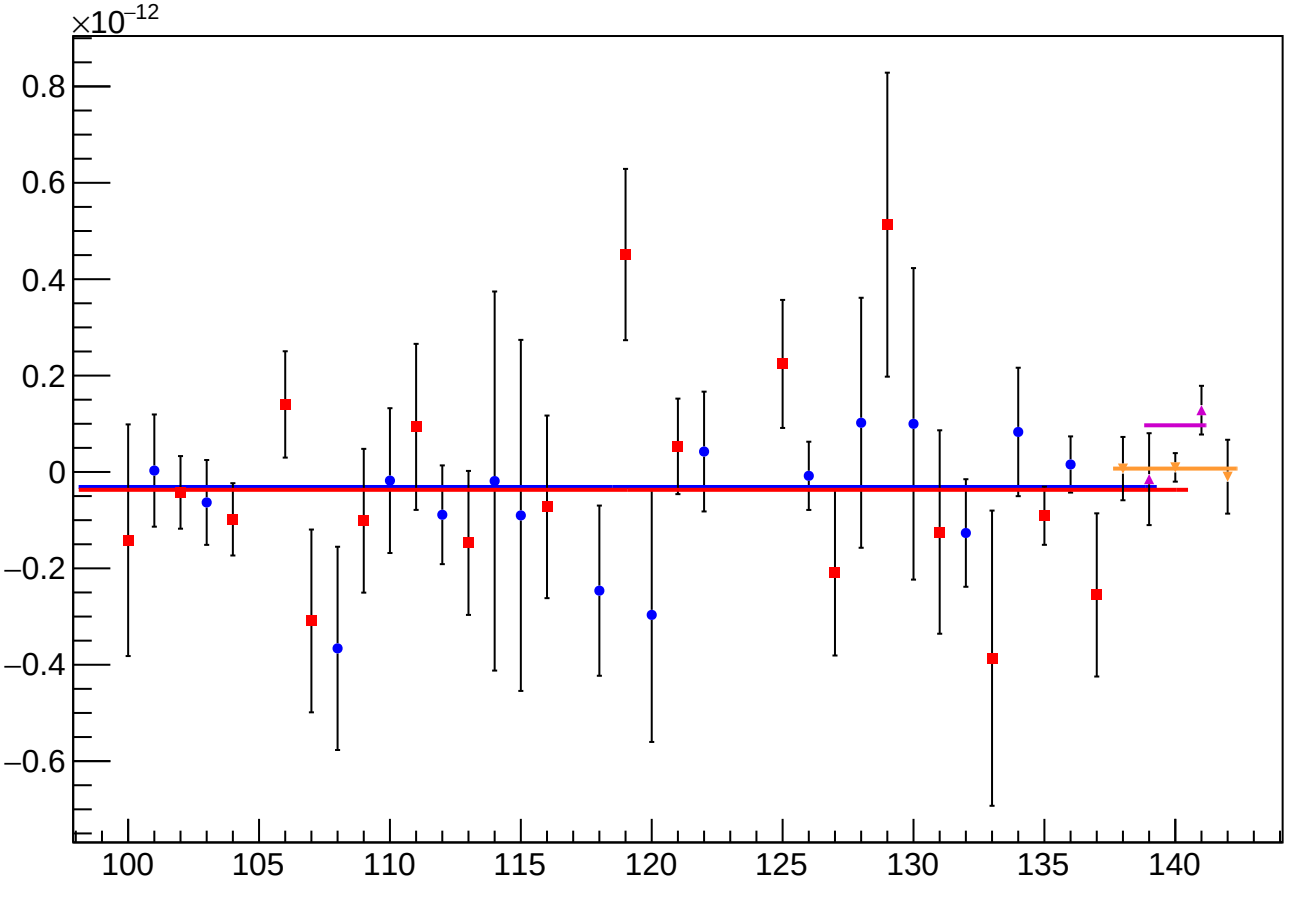
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 241.049+/-0.140 χ^2/NDF:290234.7/1

+ sign 110.637+/-0.029 χ^2/NDF: 2877170.5/18

All: 106.046+/-0.020 χ^2/NDF: 5198708.5/38

- sign 101.948+/-0.027 χ^2/NDF: 2272665.4/19



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/2

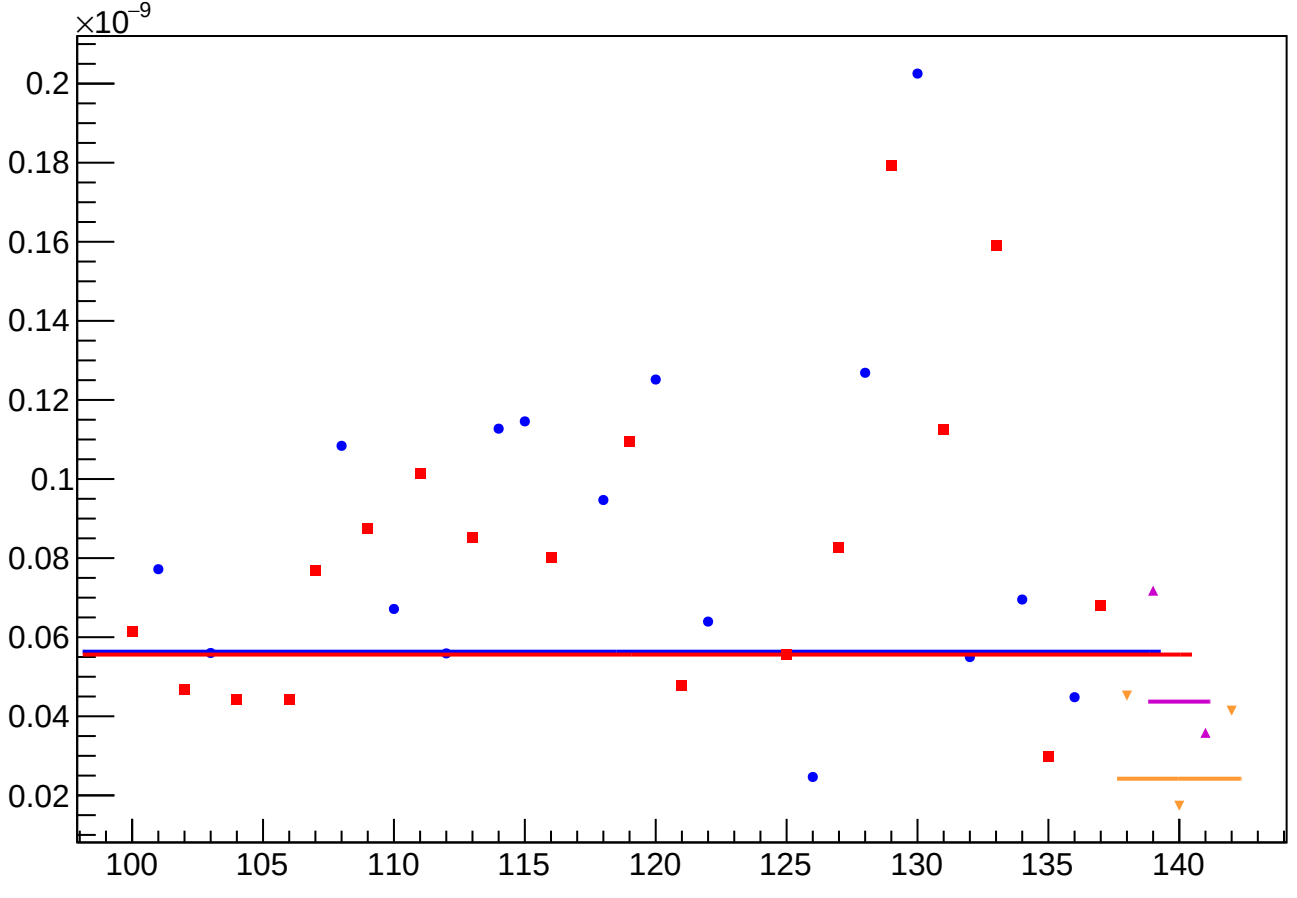
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.8/1

+ sign -0.000+/-0.000 χ^2/NDF: 9.6/18

All: -0.000+/-0.000 χ^2/NDF: 44.9/38

- sign 0.000+/-0.000 χ^2/NDF: 35.2/19



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:411804.3/2

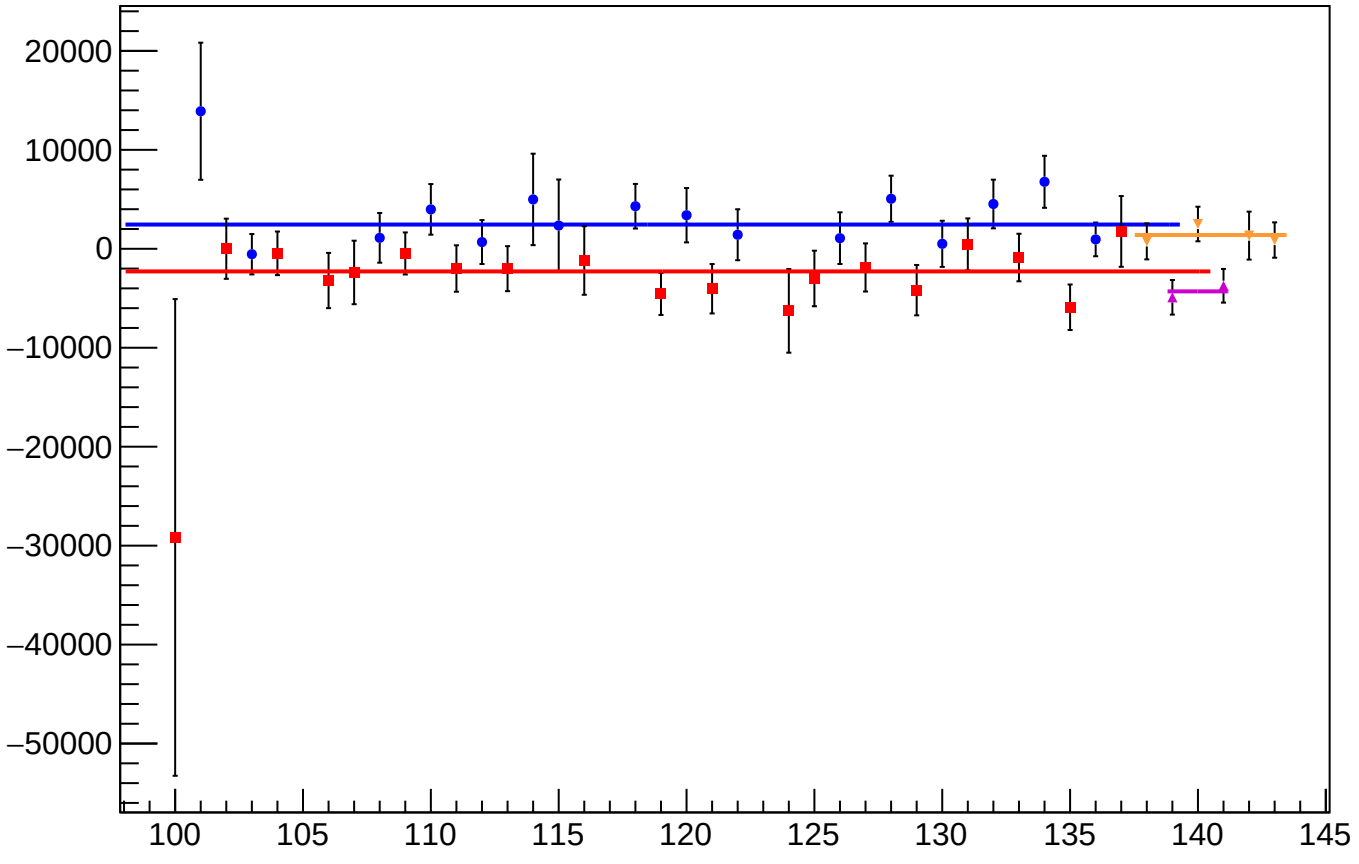
Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:222000.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 3350260.0/18

All: 0.000+/-0.000 χ^2/NDF: 5863240.9/38

- sign 0.000+/-0.000 χ^2/NDF: 2089866.7/19



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.679+/-947.550 χ^2/NDF:0.6/3

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

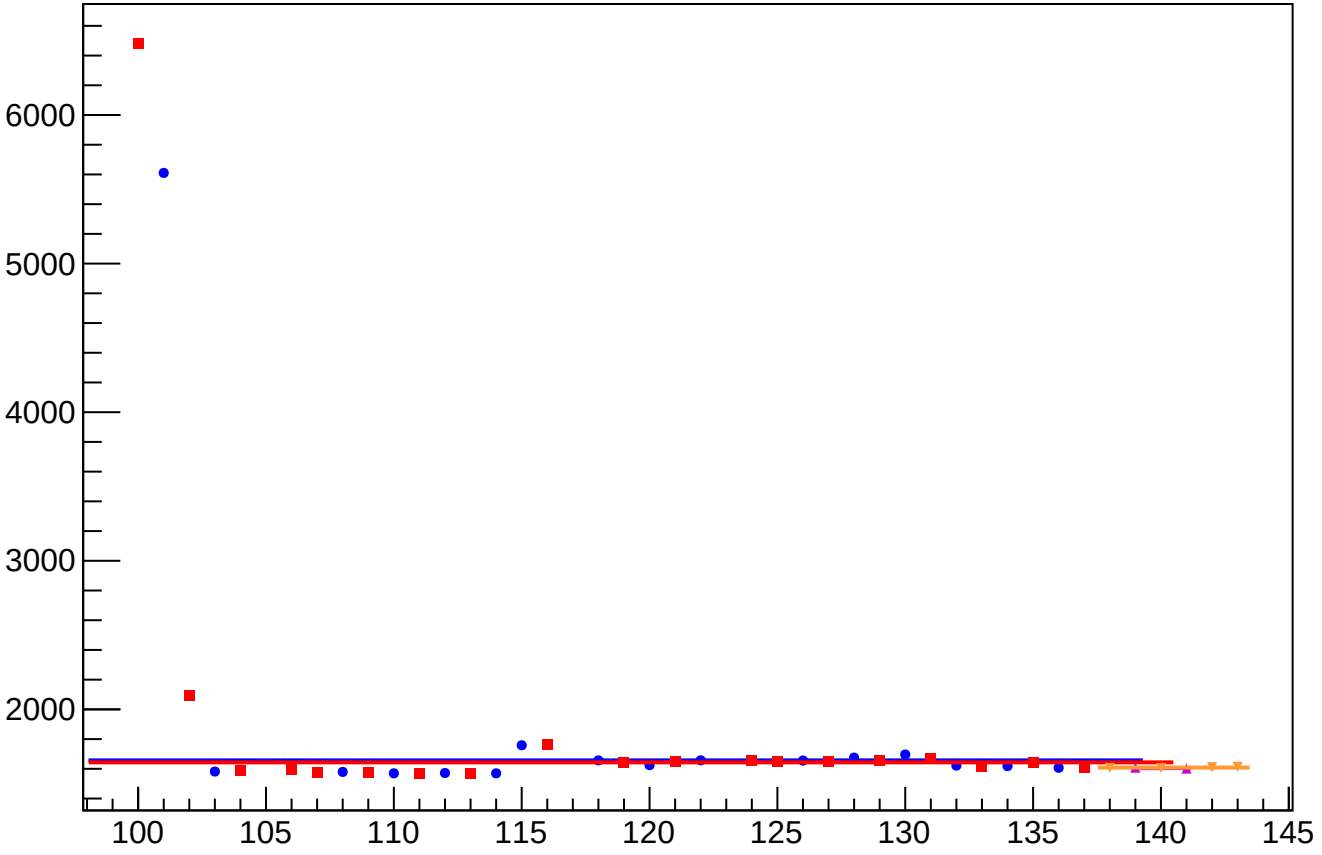
Left In: -4304.384+/-1219.507 χ^2/NDF:0.2/1

+ sign 2125.685+/-524.761 χ^2/NDF: 15.3/19

All: -191.051+/-377.999 χ^2/NDF: 70.1/40

- sign -2689.504+/-544.953 χ^2/NDF: 14.3/20

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

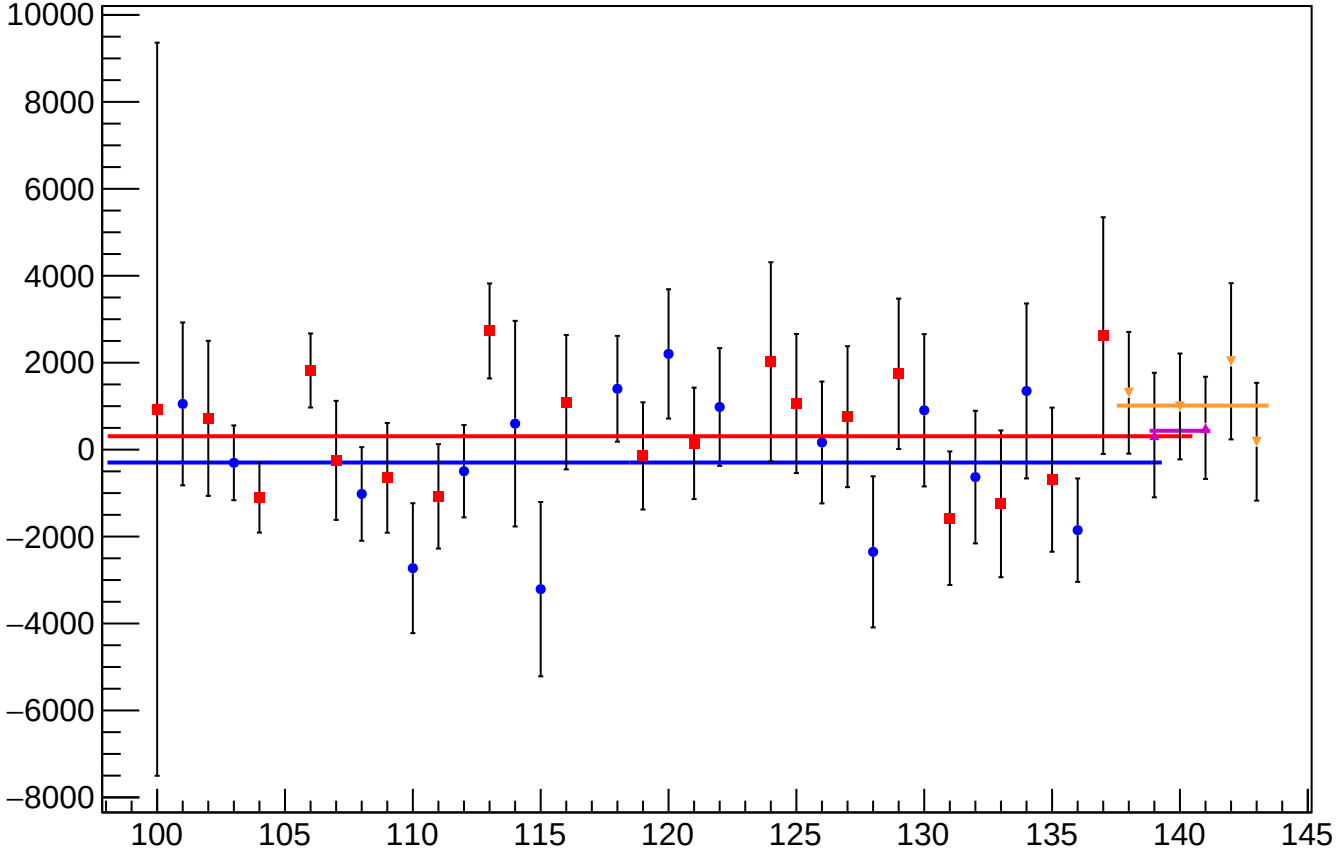
Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

+ sign 1641.864+/-0.371 χ^2/NDF: 669859.7/19

All: 1638.904+/-0.267 χ^2/NDF: 808610.1/40

- sign 1635.712+/-0.385 χ^2/NDF: 138618.1/20

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 1013.137+/-700.408 χ^2/NDF:0.7/3

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

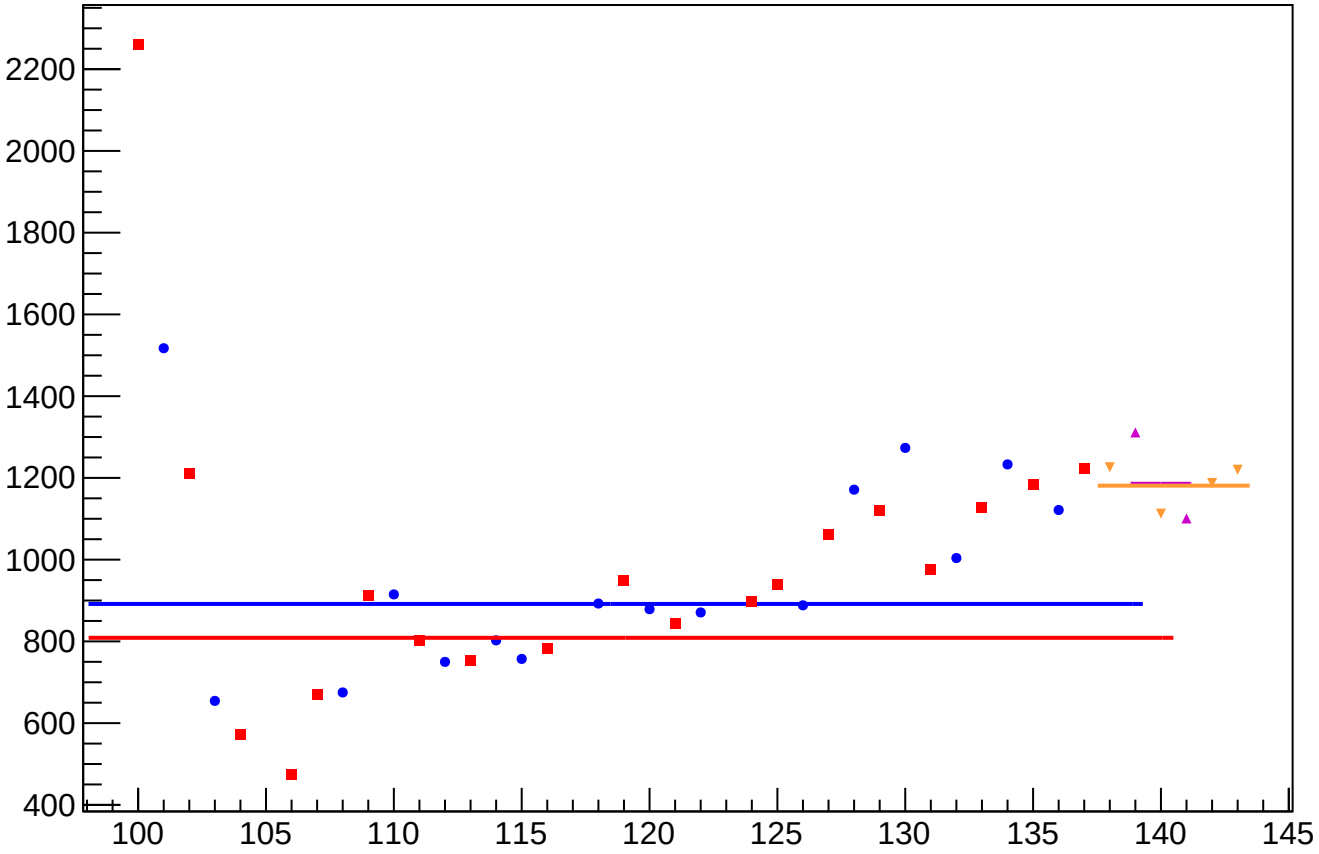
Left In: 434.032+/-909.075 χ^2/NDF:0.0/1

\+ sign -42.615+/-308.361 χ^2/NDF: 19.5/19

All: 146.702+/-213.513 χ^2/NDF: 39.0/40

\- sign 321.061+/-295.929 χ^2/NDF: 18.7/20

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 1181.029+/-0.495 χ^2/NDF:10057.6/3

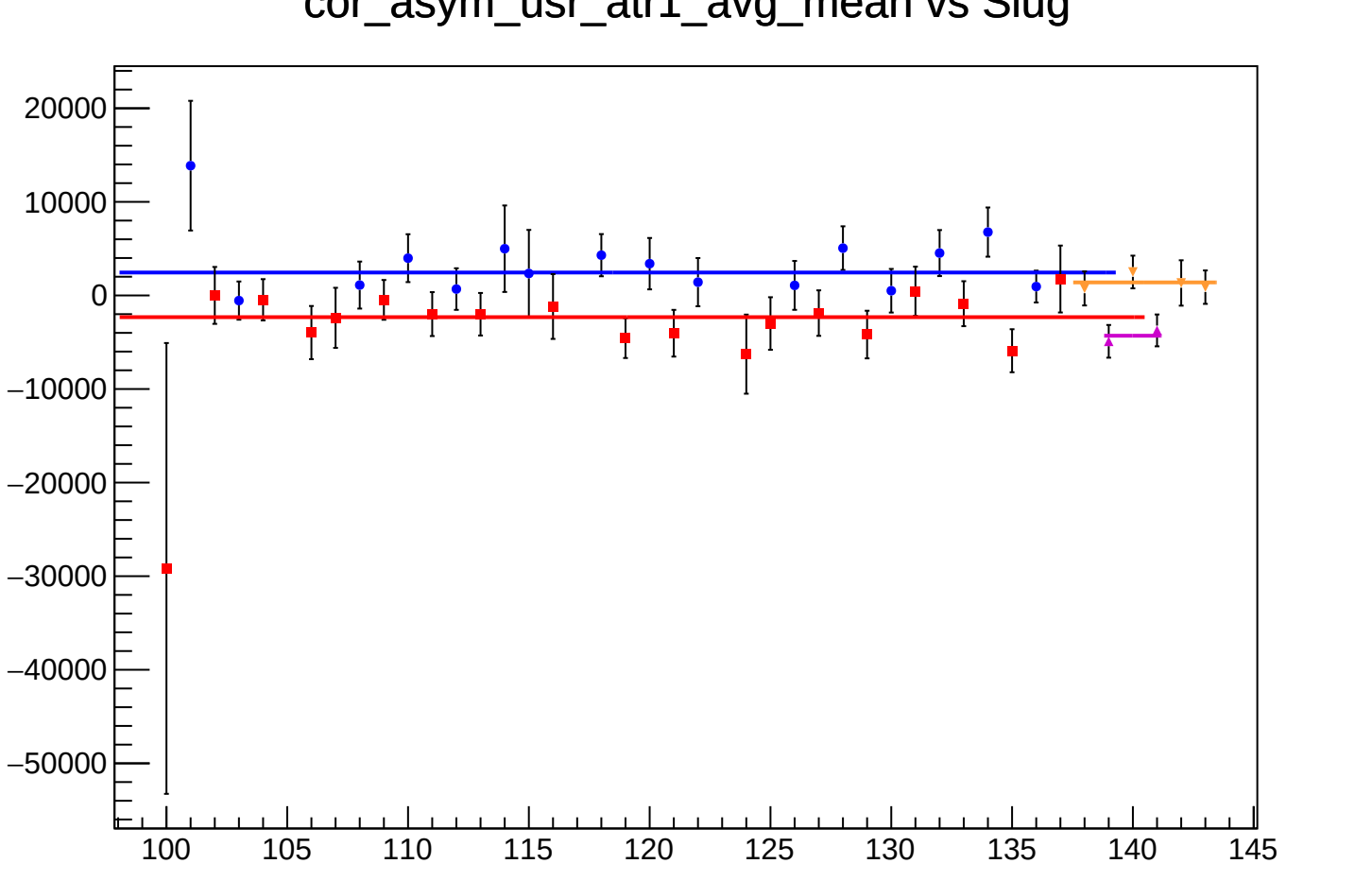
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 1185.604+/-0.643 χ^2/NDF:25776.3/1

+ sign 947.726+/-0.218 χ^2/NDF: 1079213.0/19

All: 896.196+/-0.151 χ^2/NDF: 2603299.9/40

- sign 848.738+/-0.209 χ^2/NDF: 1416798.1/20



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.770+/-947.550 χ^2/NDF:0.6/3

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

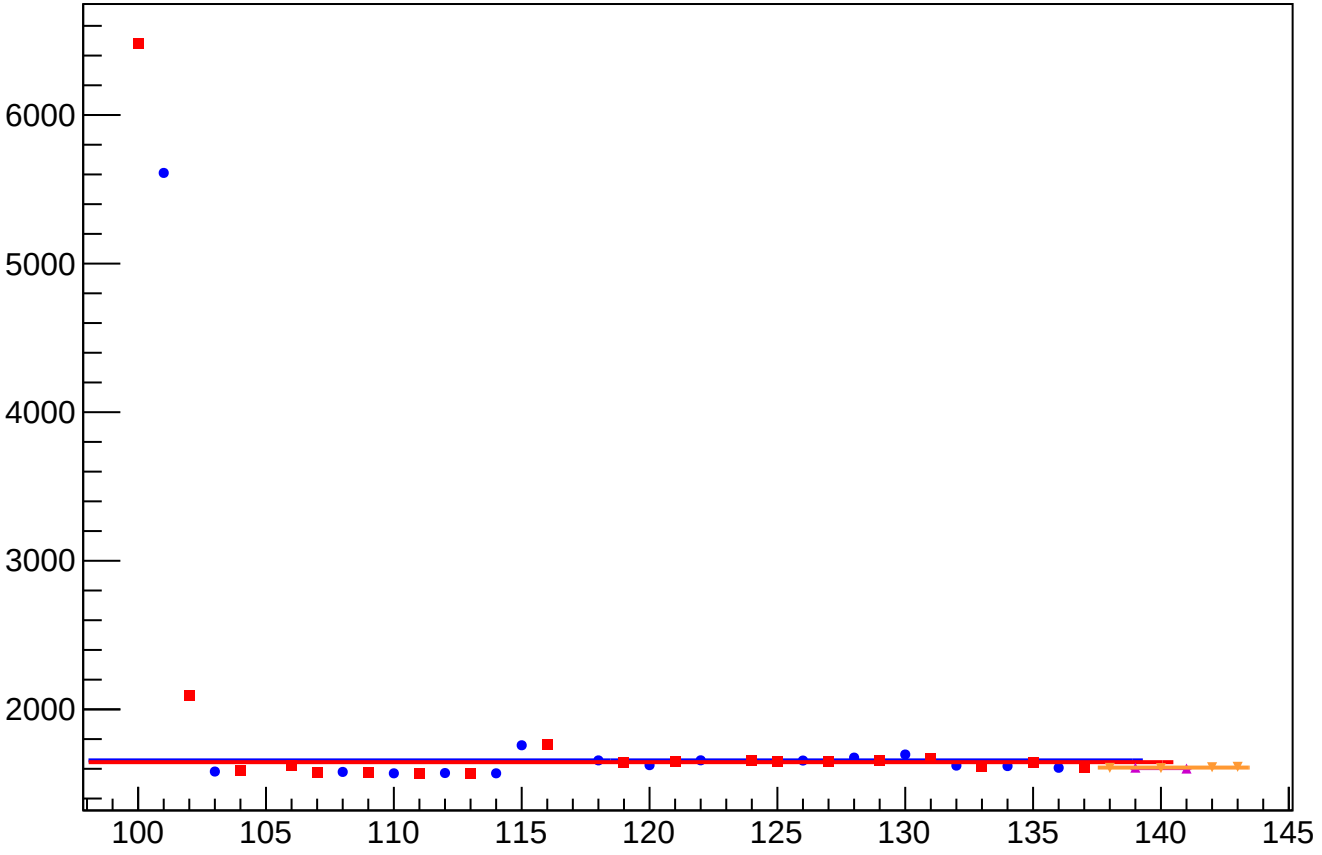
Left In: -4304.696+/-1219.507 χ^2/NDF:0.2/1

+ sign 2125.325+/-524.761 χ^2/NDF: 15.3/19

All: -203.023+/-378.118 χ^2/NDF: 70.7/40

- sign -2717.299+/-545.311 χ^2/NDF: 14.4/20

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

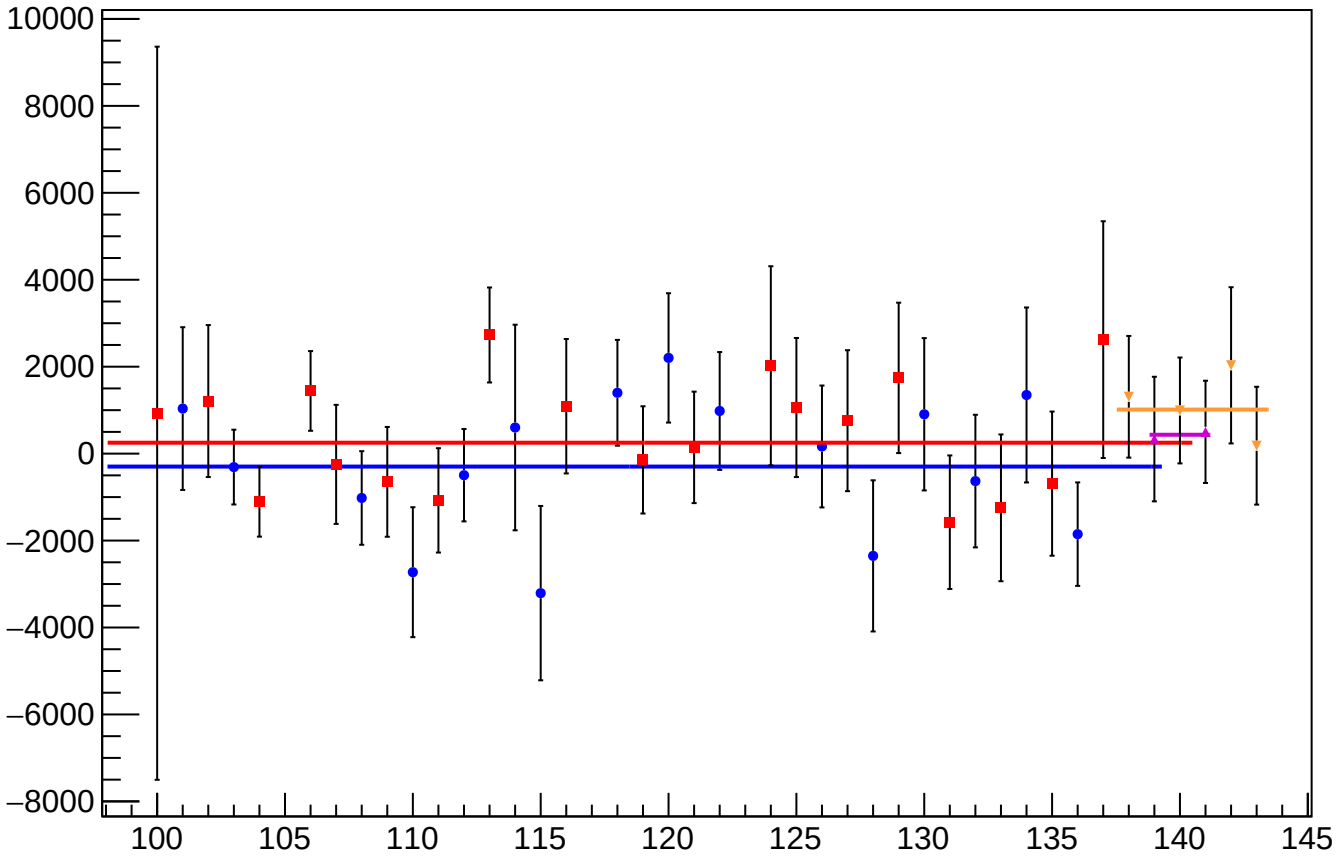
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

\+ sign 1641.864+/-0.371 χ^2/NDF: 669859.3/19

All: 1639.402+/-0.267 χ^2/NDF: 808163.8/40

\- sign 1636.744+/-0.386 χ^2/NDF: 138213.0/20



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1013.217+/-700.403 χ^2/NDF:0.7/3

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

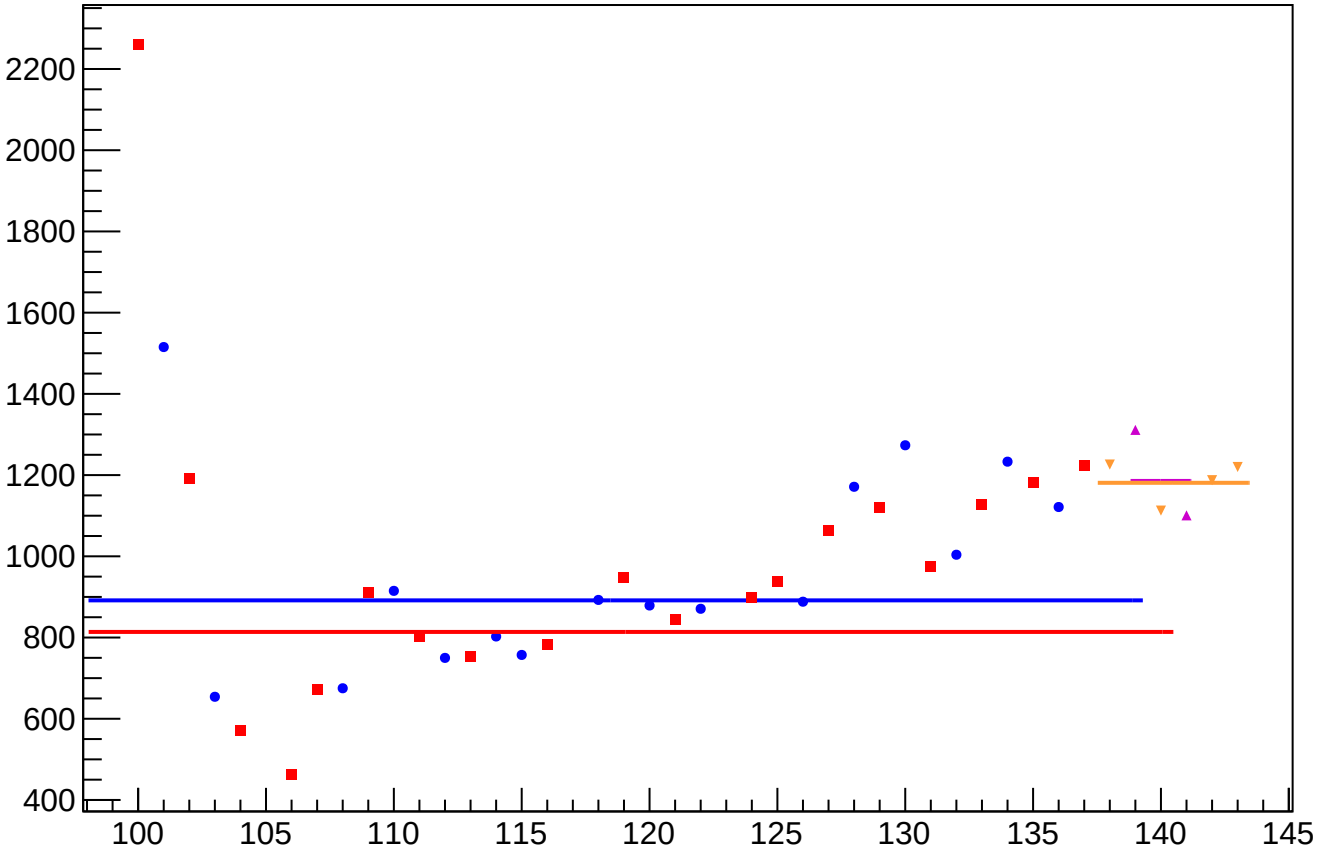
Left In: 434.262+/-909.076 χ^2/NDF:0.0/1

\+ sign -43.734+/-308.328 χ^2/NDF: 19.5/19

All: 118.816+/-214.376 χ^2/NDF: 37.4/40

\- sign 270.934+/-298.270 χ^2/NDF: 17.3/20

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1181.019+/-0.495 χ^2/NDF:10057.7/3

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

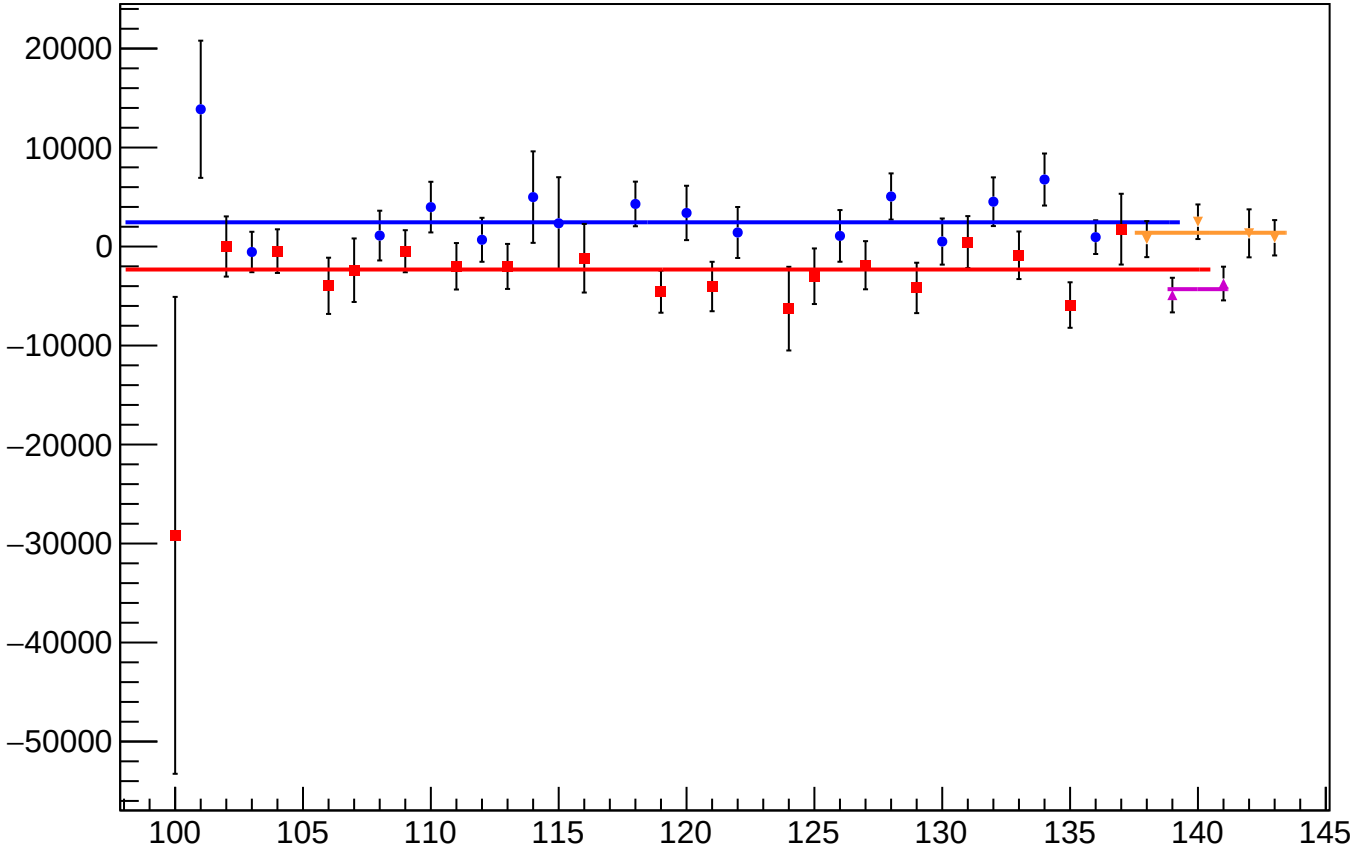
Left In: 1185.604+/-0.643 χ^2/NDF:25781.4/1

+ sign 947.632+/-0.218 χ^2/NDF: 1079161.1/19

All: 899.177+/-0.152 χ^2/NDF: 2552075.9/40

- sign 853.831+/-0.211 χ^2/NDF: 1377294.4/20

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.770+/-947.550 χ^2/NDF:0.6/3

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

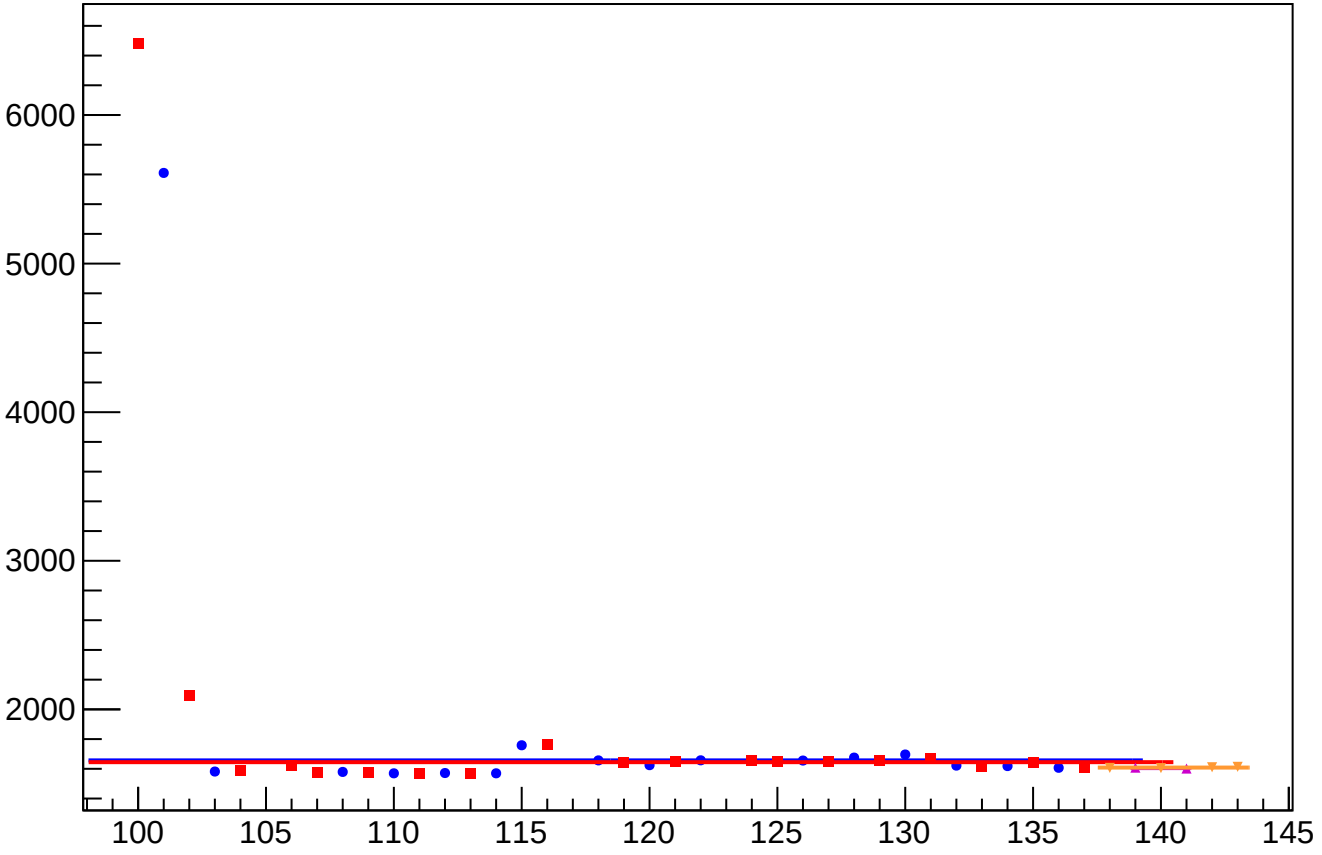
Left In: -4304.696+/-1219.507 χ^2/NDF:0.2/1

+ sign 2125.325+/-524.761 χ^2/NDF: 15.3/19

All: -203.023+/-378.118 χ^2/NDF: 70.7/40

- sign -2717.299+/-545.311 χ^2/NDF: 14.4/20

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

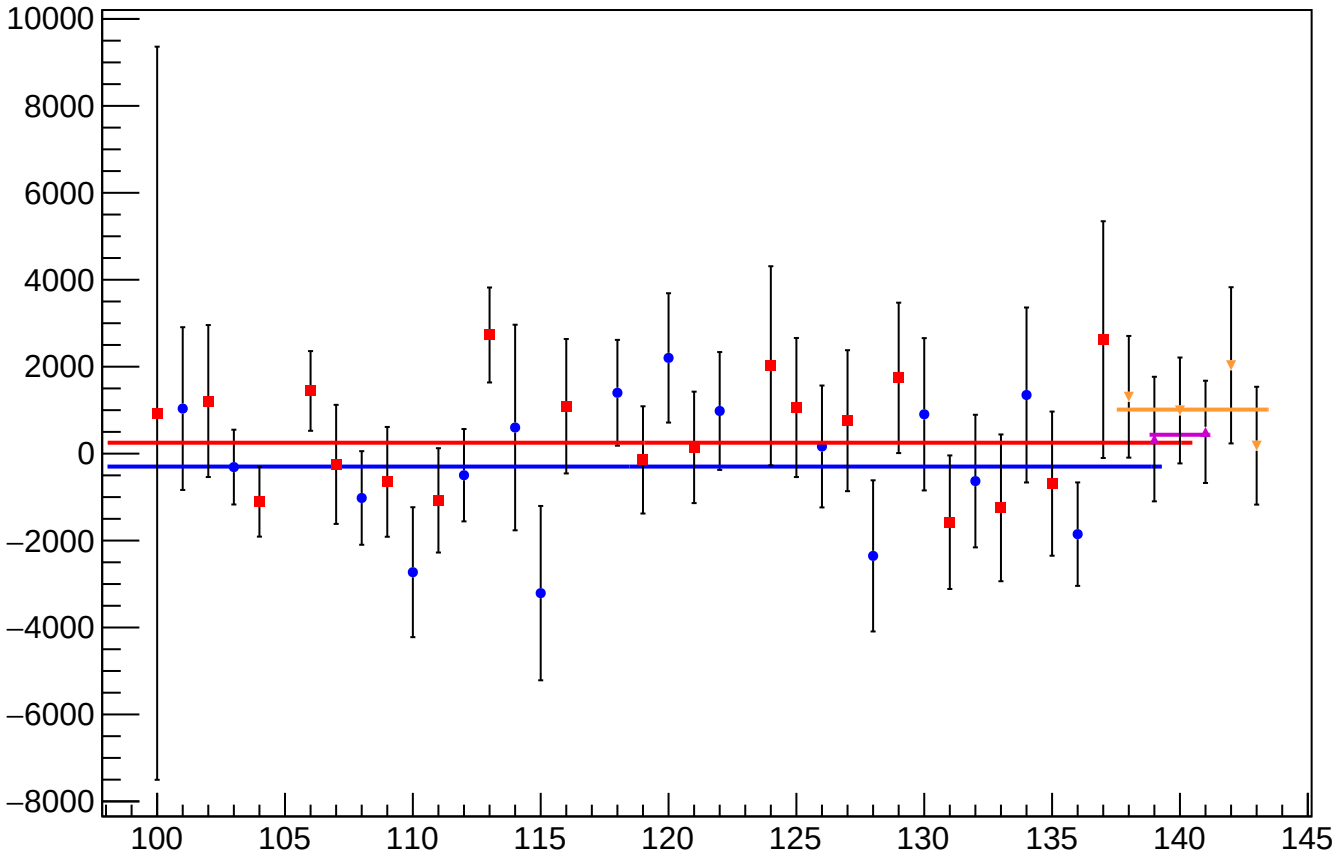
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

\+ sign 1641.864+/-0.371 χ^2/NDF: 669859.3/19

All: 1639.402+/-0.267 χ^2/NDF: 808163.8/40

\- sign 1636.744+/-0.386 χ^2/NDF: 138213.0/20



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1013.217+/-700.403 χ^2/NDF:0.7/3

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

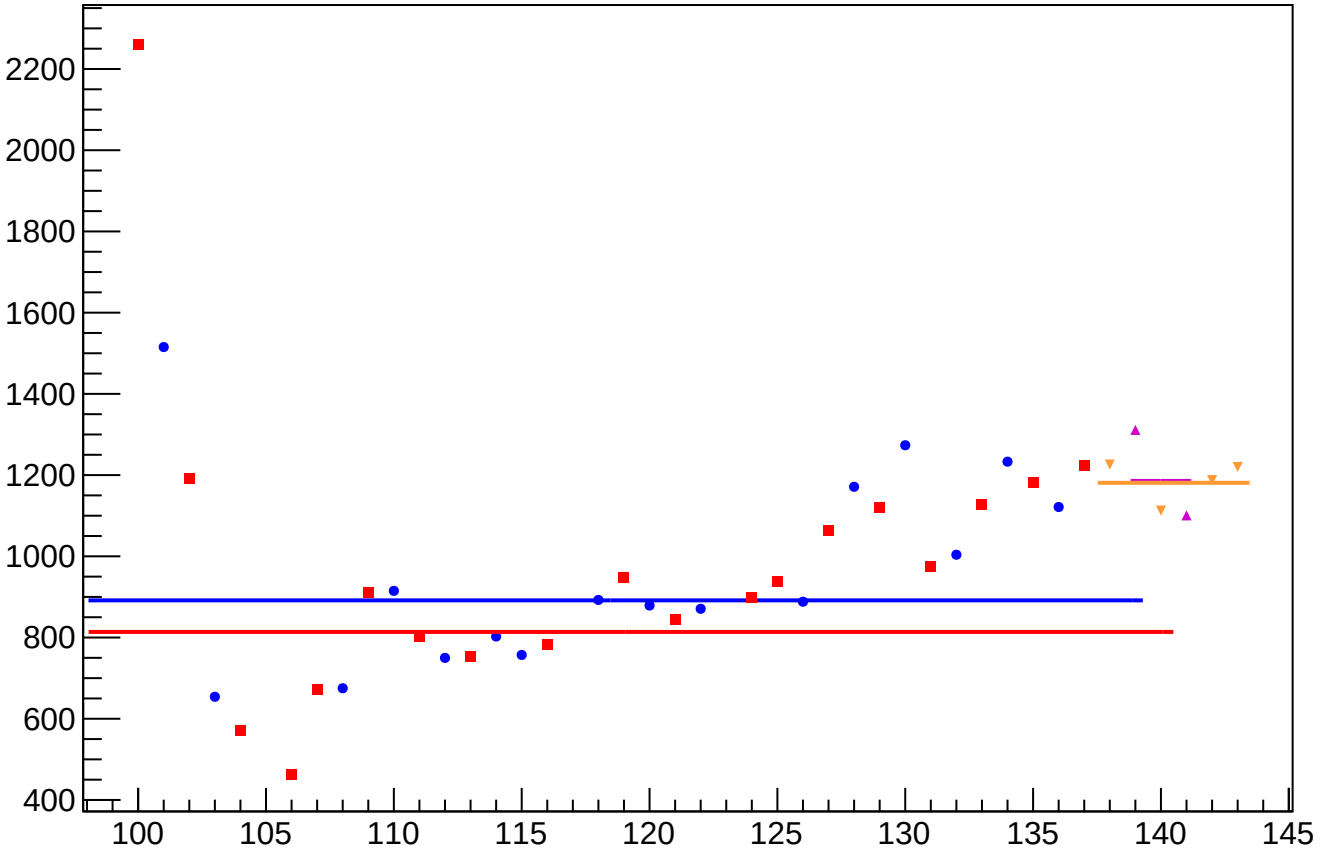
Left In: 434.262+/-909.076 χ^2/NDF:0.0/1

+ sign -43.734+/-308.328 χ^2/NDF: 19.5/19

All: 118.816+/-214.376 χ^2/NDF: 37.4/40

- sign 270.934+/-298.270 χ^2/NDF: 17.3/20

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1181.019+/-0.495 χ^2/NDF:10057.7/3

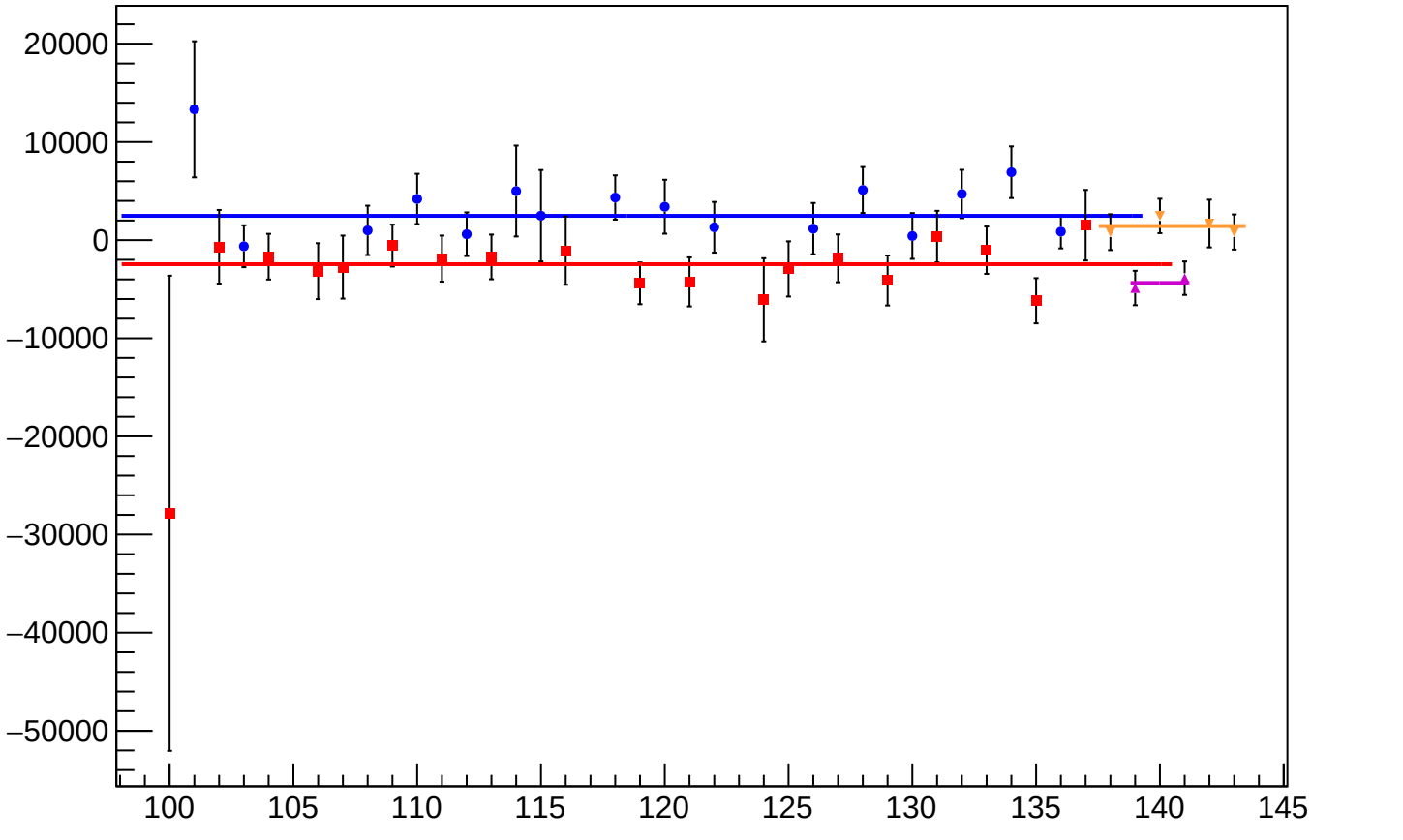
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1185.604+/-0.643 χ^2/NDF:25781.4/1

+ sign 947.632+/-0.218 χ^2/NDF: 1079161.1/19

All: 899.177+/-0.152 χ^2/NDF: 2552075.9/40

- sign 853.831+/-0.211 χ^2/NDF: 1377294.4/20



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1437.283+/-950.255 χ^2/NDF:0.6/3

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

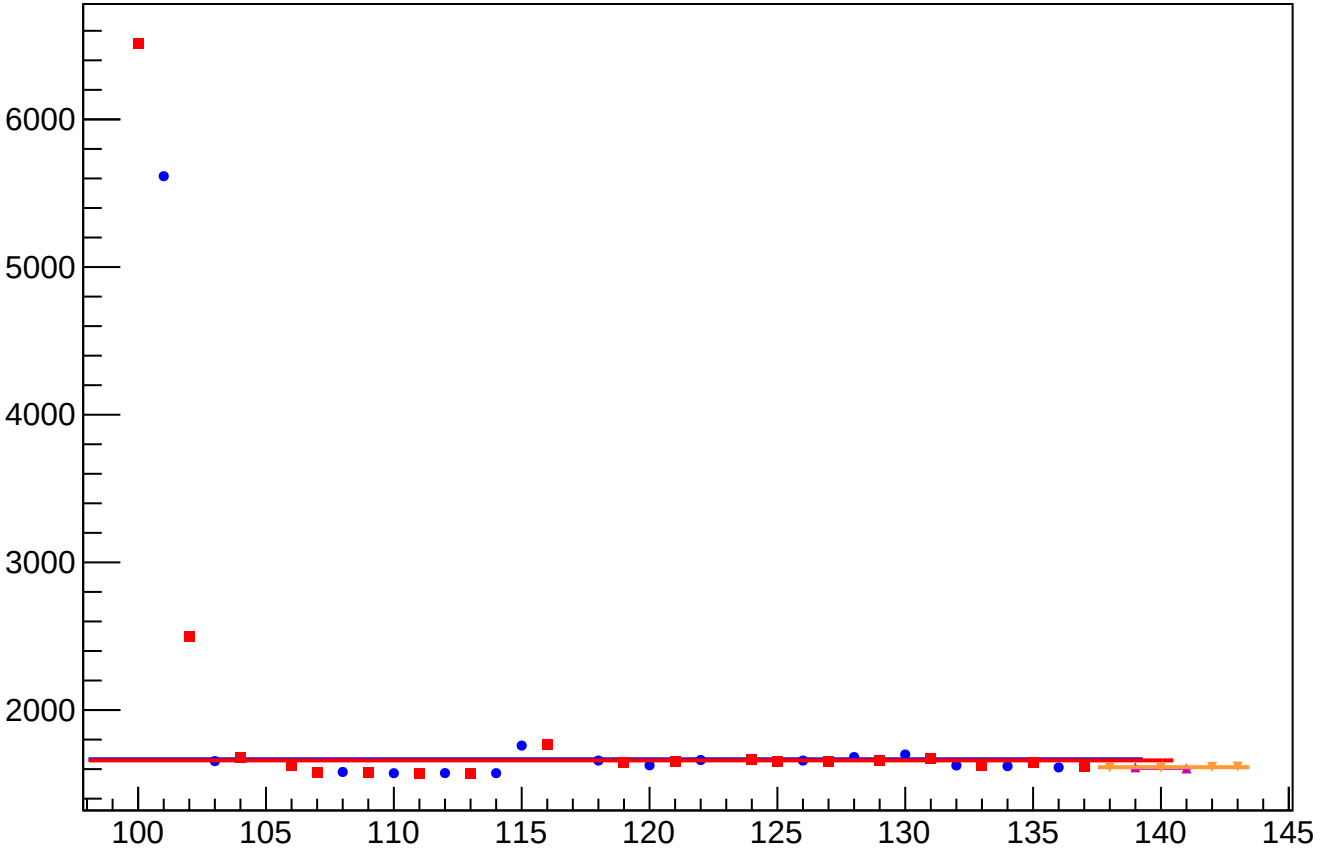
Left In: -4362.204+/-1222.203 χ^2/NDF:0.2/1

+ sign 2155.608+/-527.315 χ^2/NDF: 15.6/19

All: -230.849+/-381.023 χ^2/NDF: 71.2/40

- sign -2838.132+/-551.173 χ^2/NDF: 12.7/20

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.945+/-0.672 χ^2/NDF:22.6/3

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

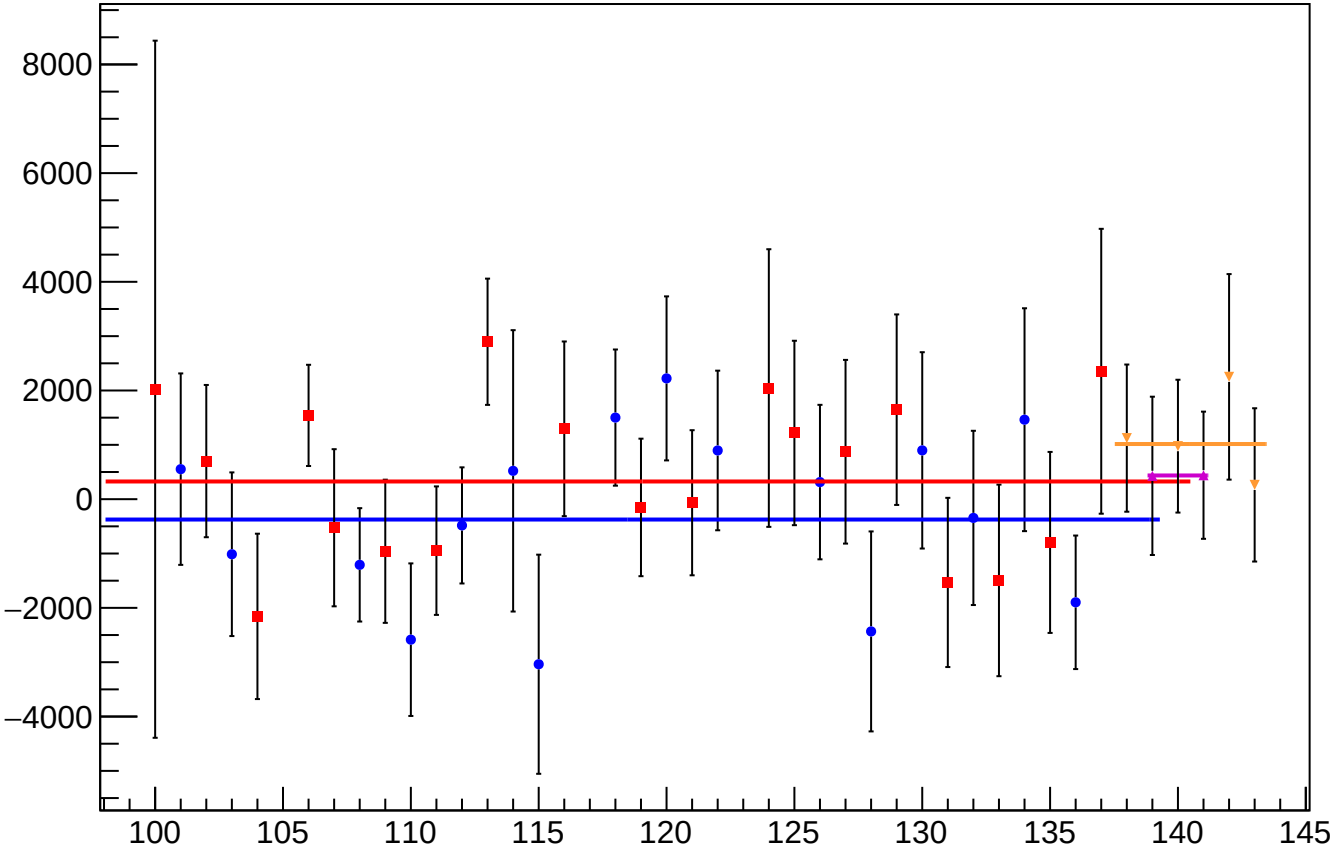
Left In: 1608.256+/-0.864 χ^2/NDF:19.7/1

+ sign 1649.939+/-0.373 χ^2/NDF: 667317.1/19

All: 1649.339+/-0.269 χ^2/NDF: 863312.8/40

- sign 1648.684+/-0.390 χ^2/NDF: 195990.3/20

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 1015.083+/-707.626 χ^2/NDF:0.7/3

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

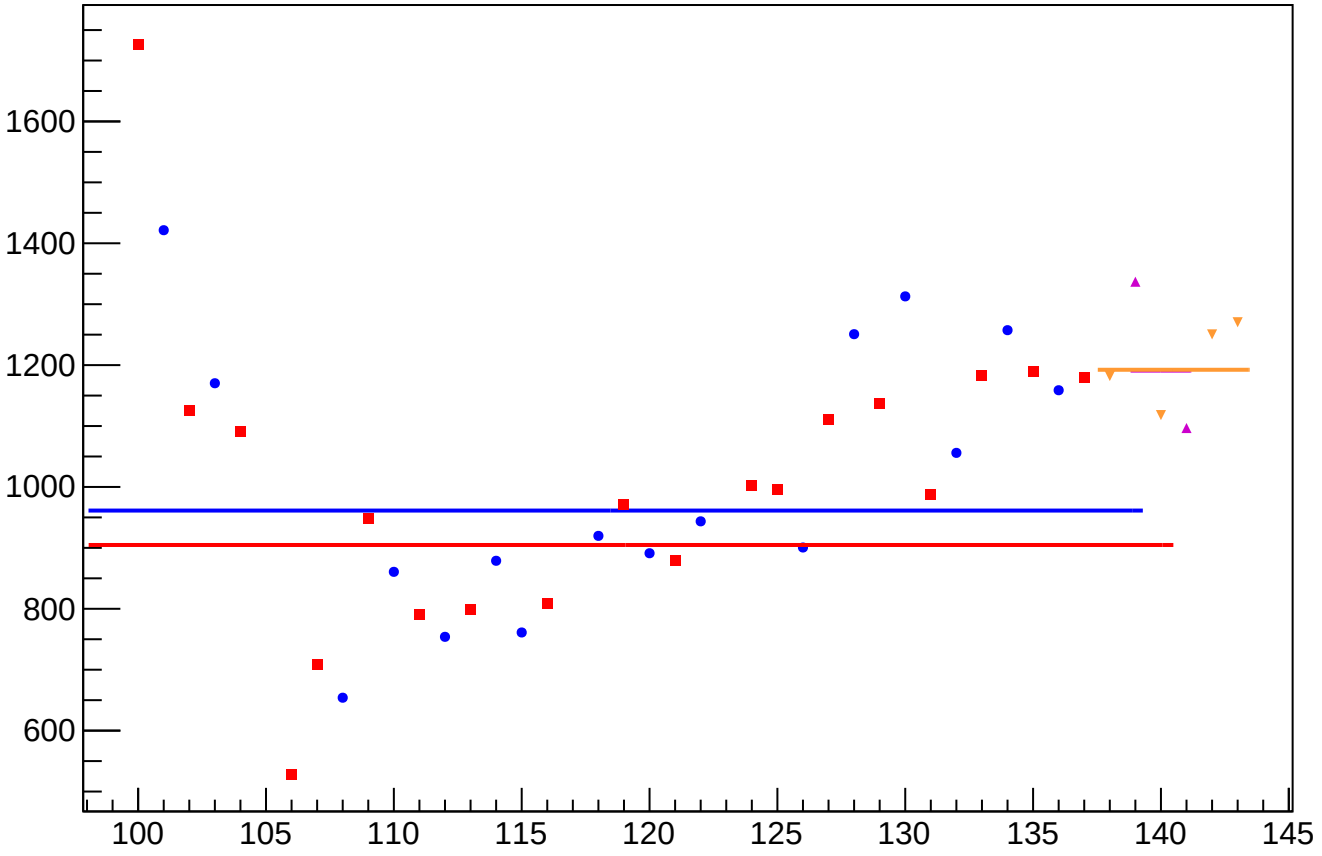
Left In: 436.270+/-912.262 χ^2/NDF:0.0/1

+ sign -78.831+/-326.450 χ^2/NDF: 19.5/19

All: 134.944+/-228.193 χ^2/NDF: 37.7/40

- sign 339.204+/-319.102 χ^2/NDF: 17.4/20

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1192.362+/-0.500 χ^2/NDF:15526.9/3

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

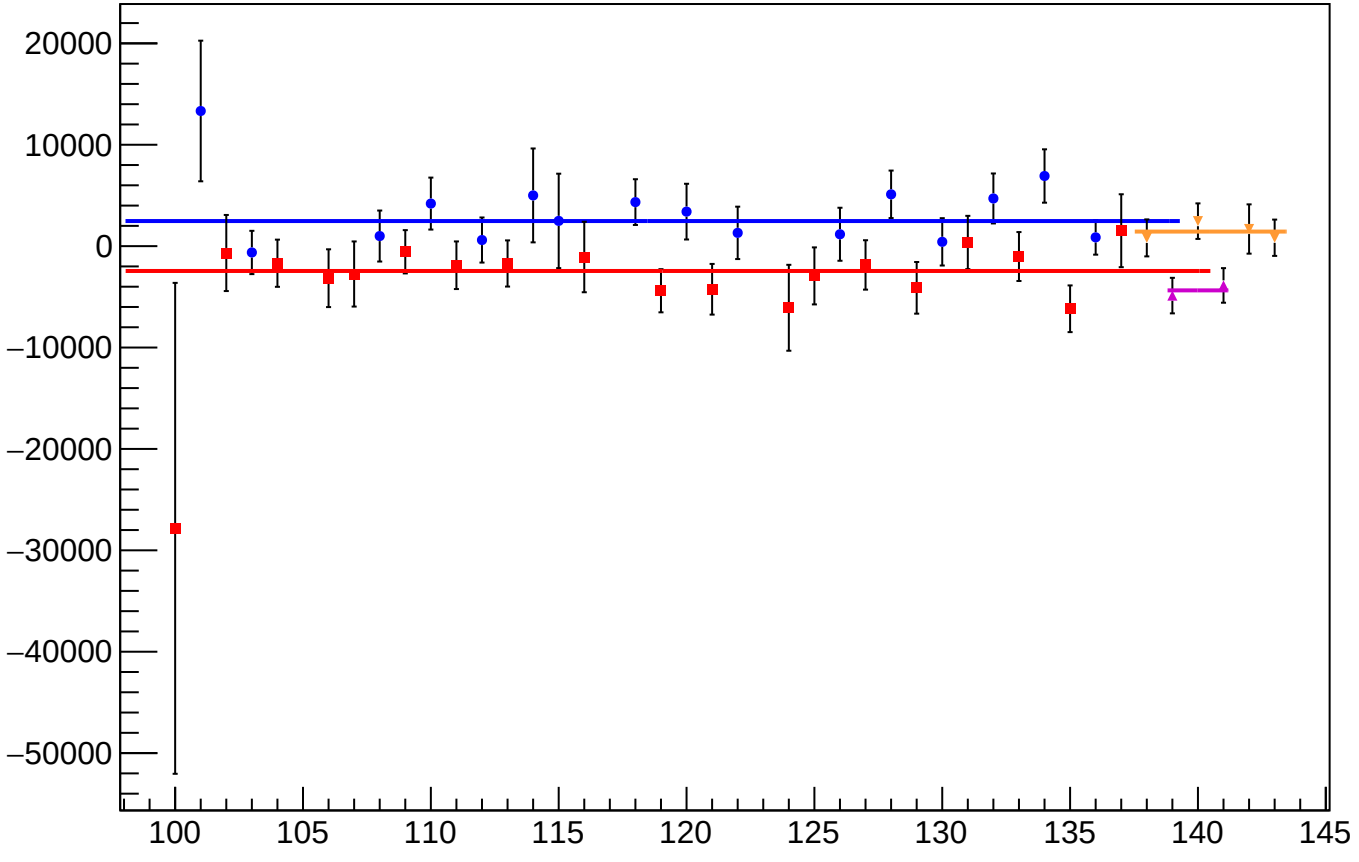
Left In: 1190.967+/-0.645 χ^2/NDF:33048.4/1

+ sign 1010.431+/-0.231 χ^2/NDF: 875346.5/19

All: 974.290+/-0.161 χ^2/NDF: 1865613.3/40

- sign 939.758+/-0.226 χ^2/NDF: 942332.3/20

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1437.284+/-950.255 χ^2/NDF:0.6/3

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

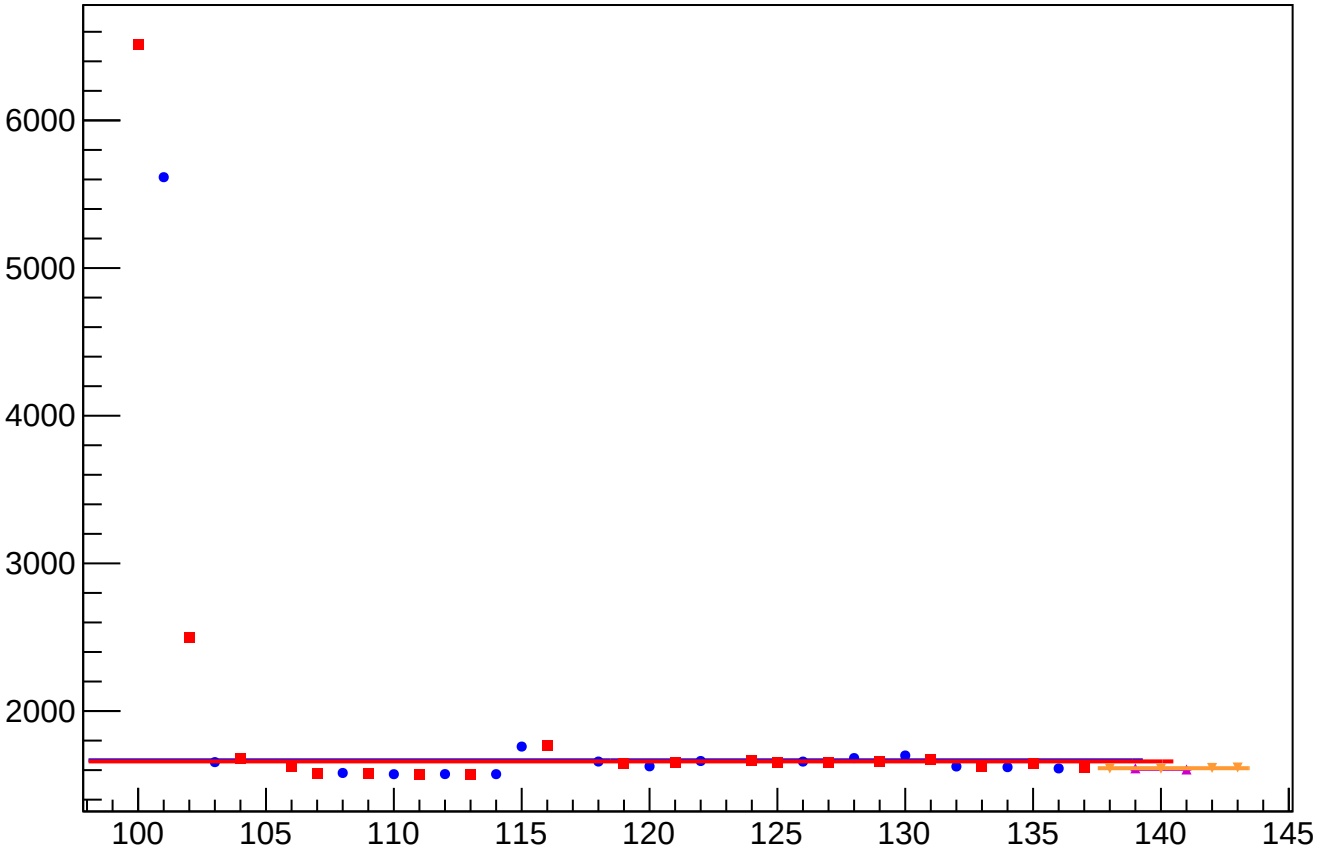
Left In: -4362.199+/-1222.203 χ^2/NDF:0.2/1

+ sign 2155.607+/-527.315 χ^2/NDF: 15.6/19

All: -230.849+/-381.023 χ^2/NDF: 71.2/40

- sign -2838.131+/-551.173 χ^2/NDF: 12.7/20

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.945+/-0.672 χ^2/NDF:22.6/3

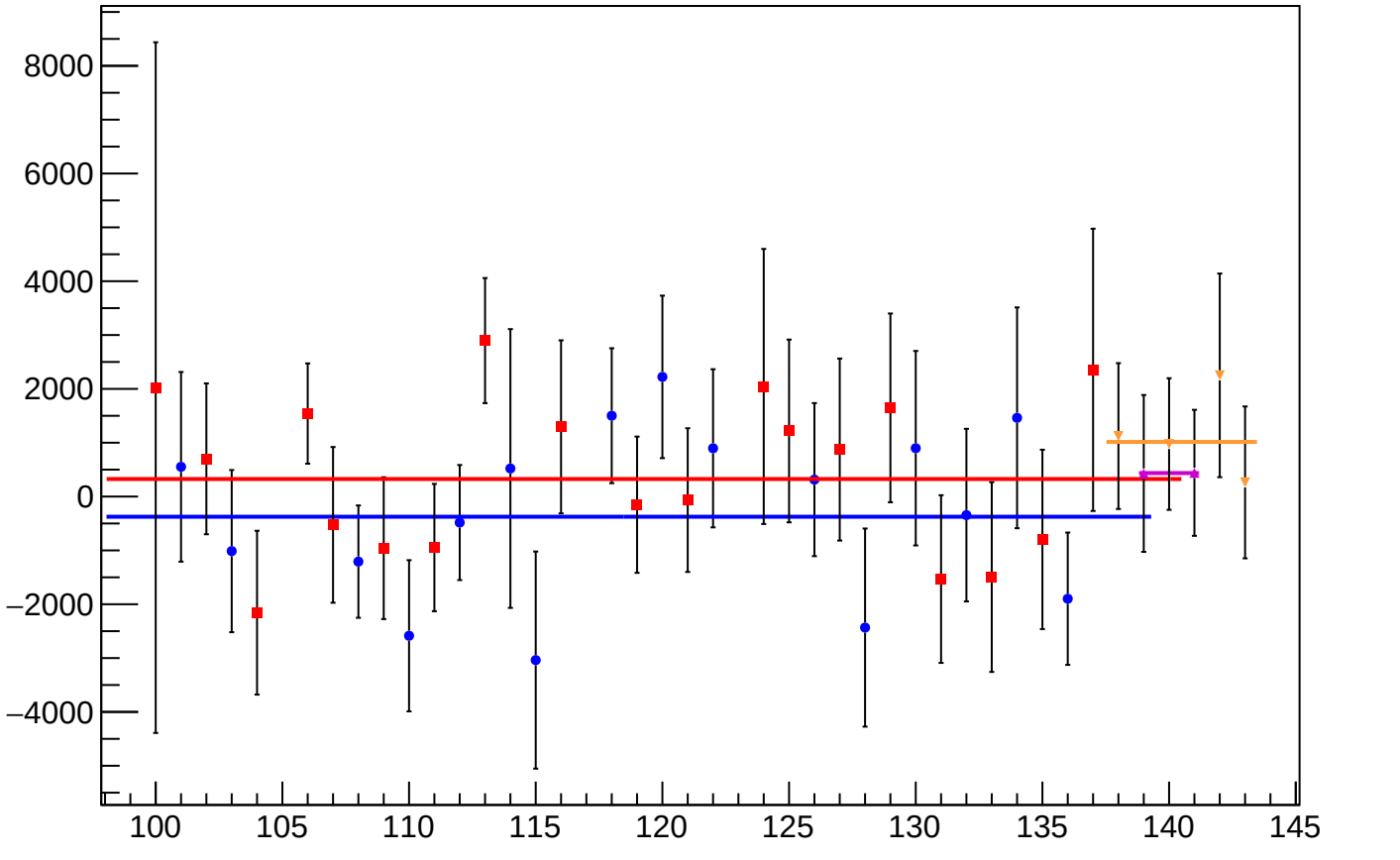
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.256+/-0.864 χ^2/NDF:19.7/1

+ sign 1649.939+/-0.373 χ^2/NDF: 667317.1/19

All: 1649.339+/-0.269 χ^2/NDF: 863312.6/40

- sign 1648.684+/-0.390 χ^2/NDF: 195990.1/20



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 1015.084+/-707.627 χ^2/NDF:0.7/3

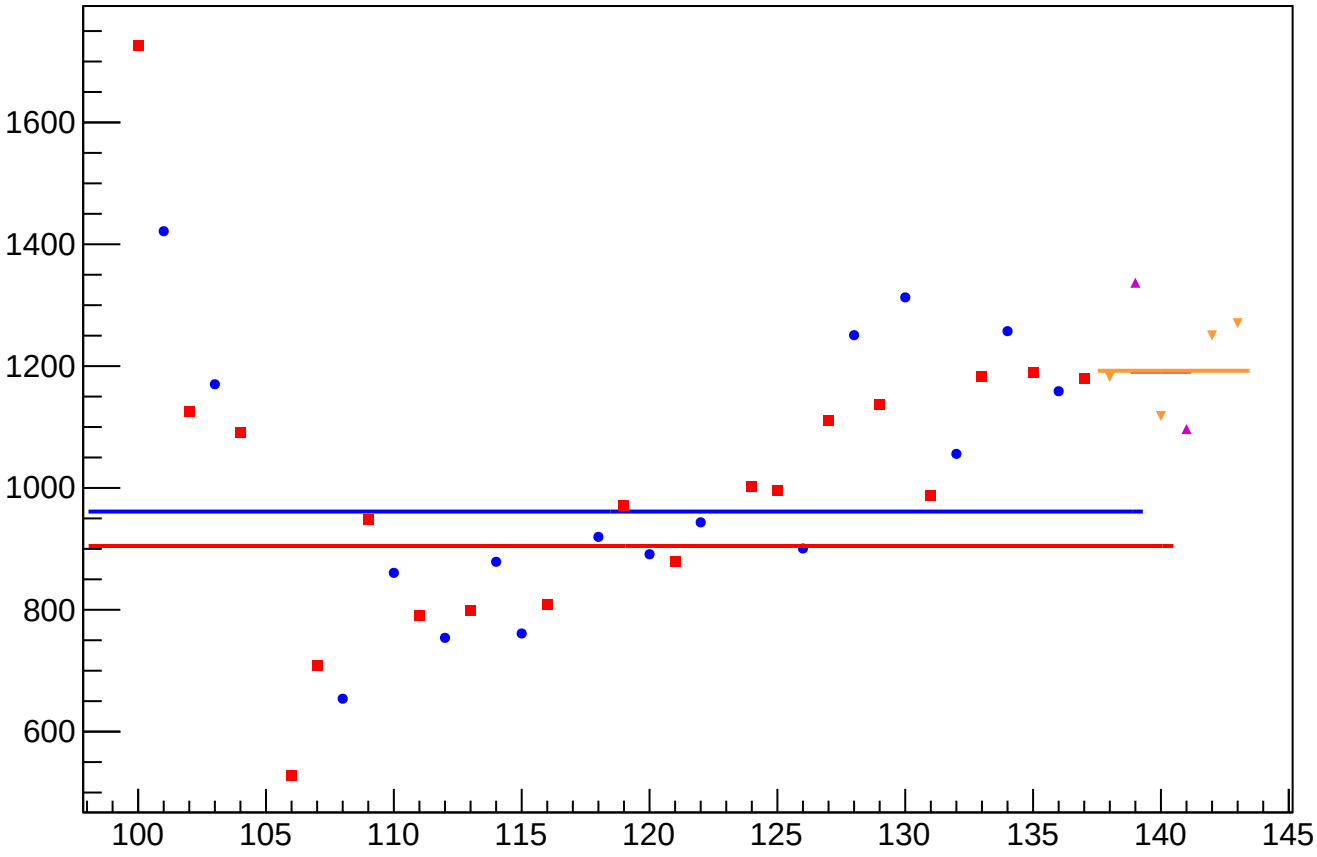
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 436.274+/-912.264 χ^2/NDF:0.0/1

+ sign -78.832+/-326.450 χ^2/NDF: 19.5/19

All: 134.943+/-228.193 χ^2/NDF: 37.7/40

- sign 339.203+/-319.102 χ^2/NDF: 17.4/20



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1192.364+/-0.500 χ^2/NDF:15526.9/3

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

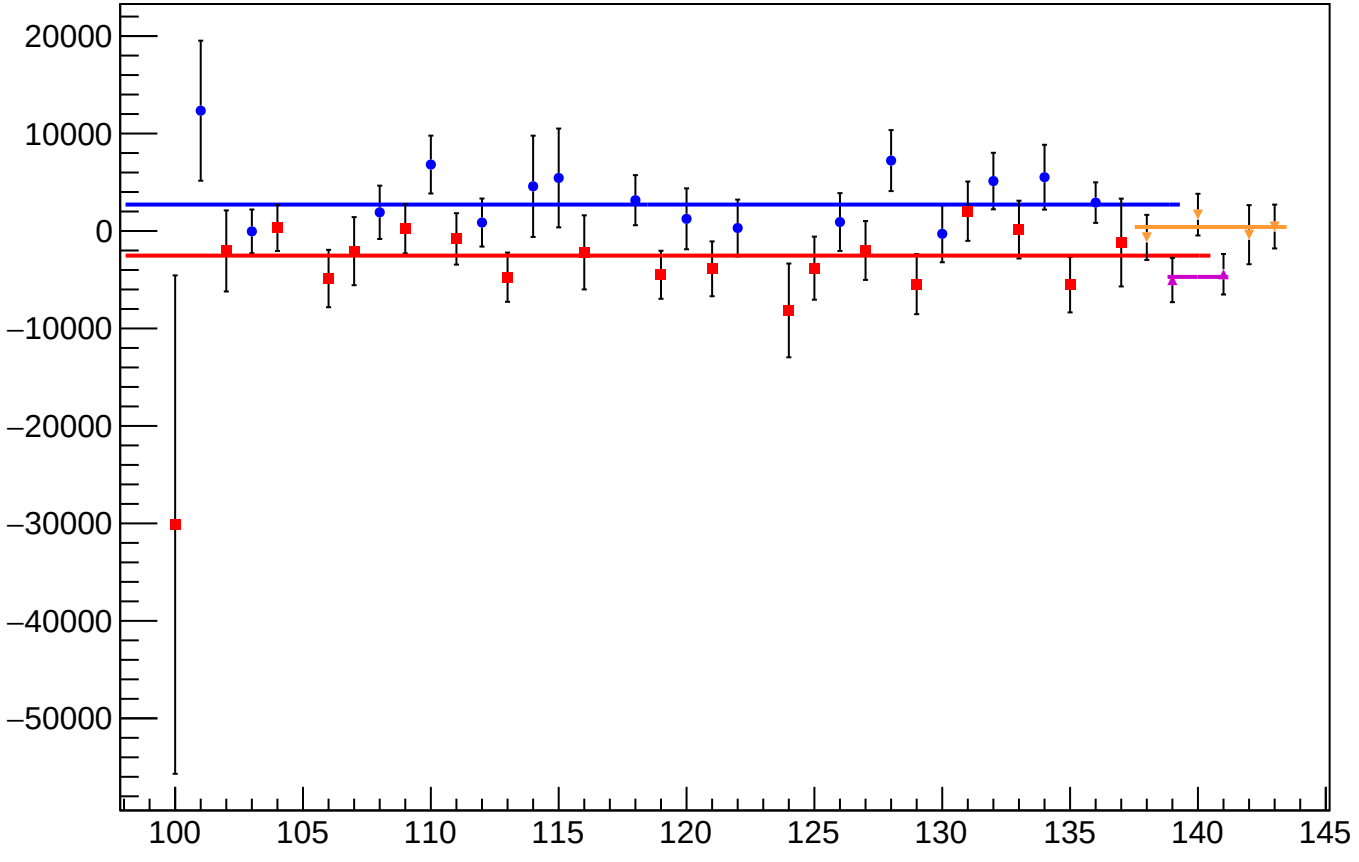
Left In: 1190.969+/-0.645 χ^2/NDF:33048.6/1

+ sign 1010.428+/-0.231 χ^2/NDF: 875363.3/19

All: 974.288+/-0.161 χ^2/NDF: 1865632.5/40

- sign 939.756+/-0.226 χ^2/NDF: 942335.5/20

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 412.551+/-1185.356 χ^2/NDF:0.6/3

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

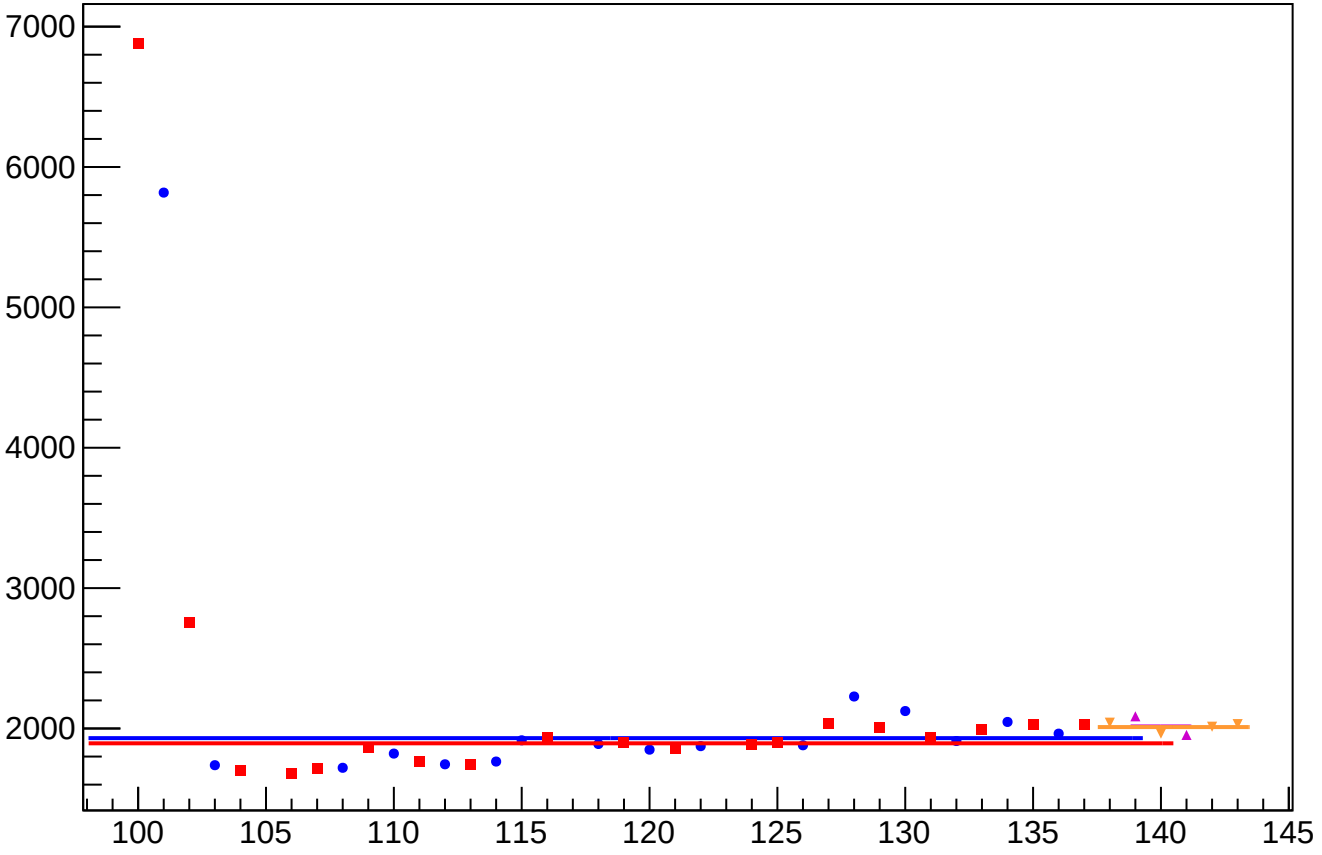
Left In: -4708.931+/-1533.186 χ^2/NDF:0.0/1

+ sign 2072.874+/-624.714 χ^2/NDF: 15.5/19

All: -351.058+/-447.595 χ^2/NDF: 61.4/40

- sign -2907.912+/-641.614 χ^2/NDF: 15.0/20

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 2010.073+/-0.838 χ^2/NDF:1505.9/3

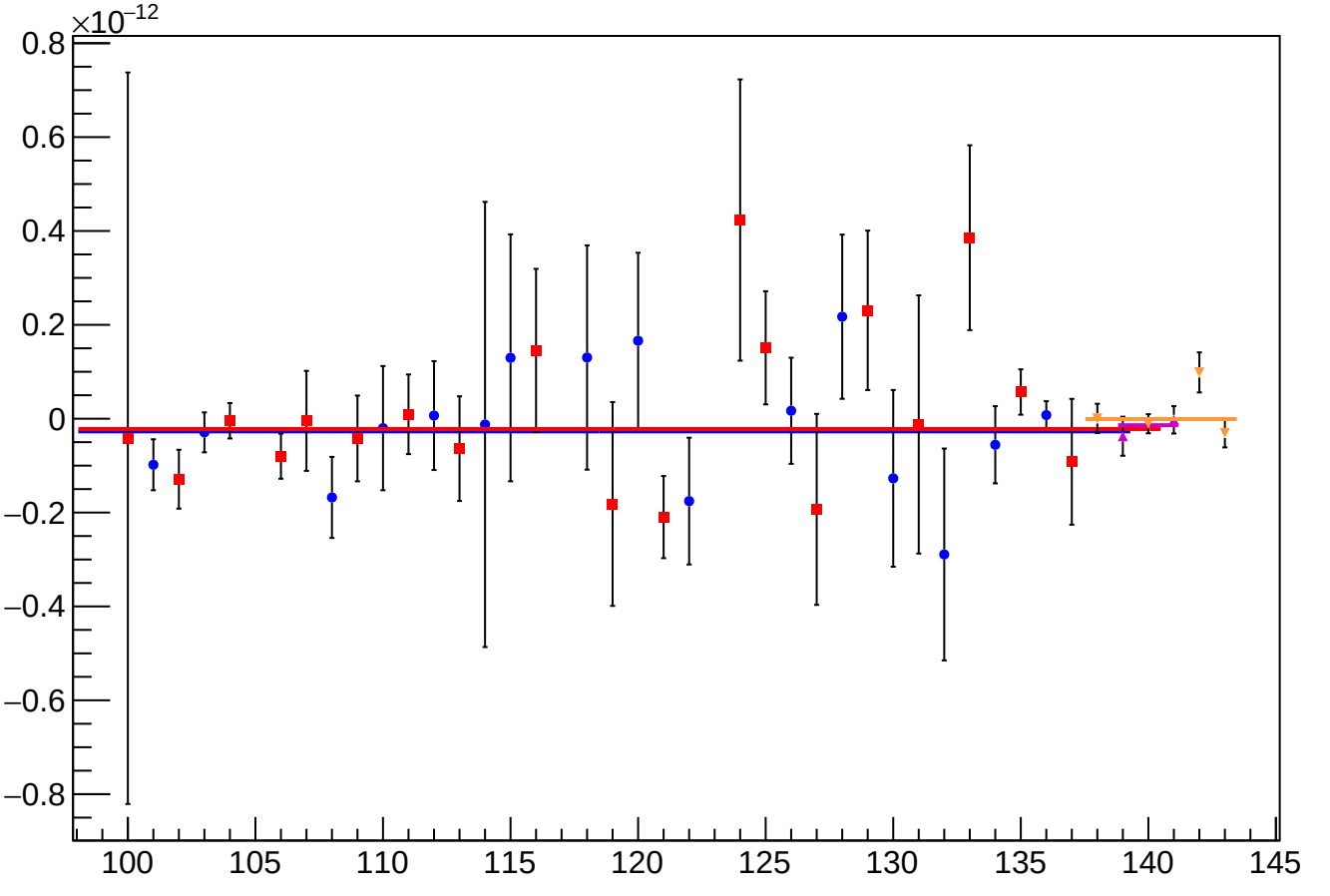
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 2014.598+/-1.084 χ^2/NDF:3711.7/1

+ sign 1953.144+/-0.442 χ^2/NDF: 669120.3/19

All: 1934.779+/-0.316 χ^2/NDF: 907072.8/40

- sign 1915.408+/-0.454 χ^2/NDF: 234401.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/3

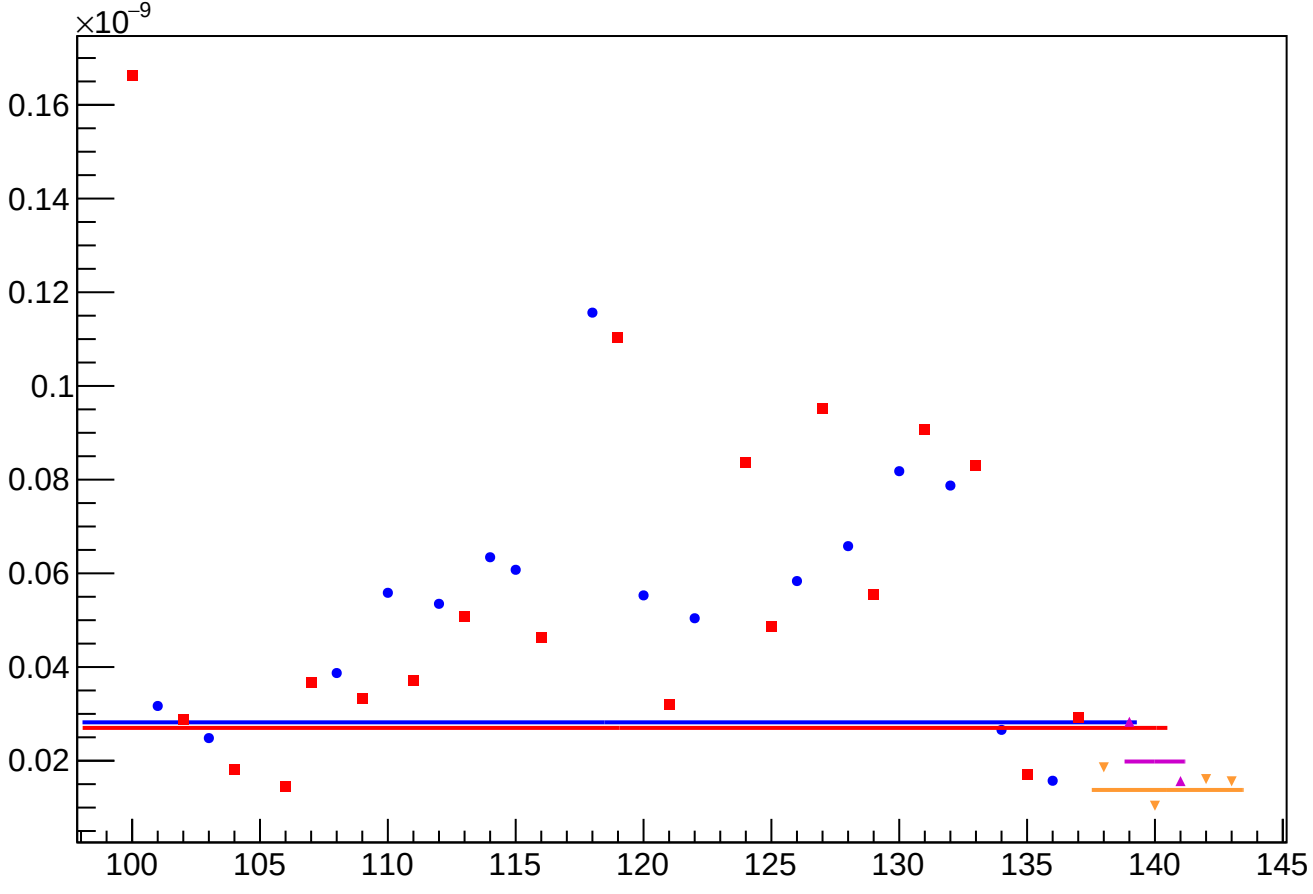
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.6/19

All: -0.000+/-0.000 χ^2/NDF: 46.7/40

- sign -0.000+/-0.000 χ^2/NDF: 25.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:115792.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

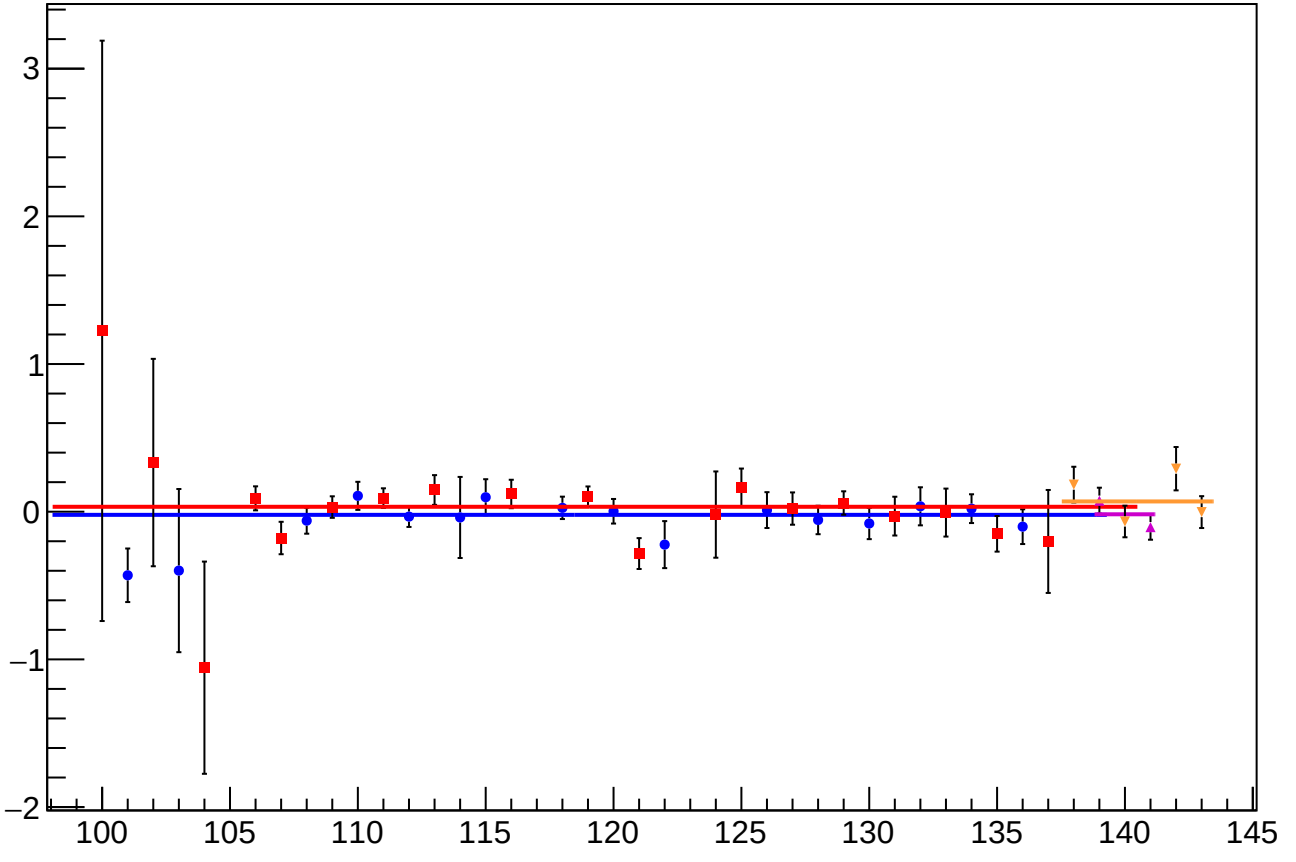
Left In: 0.000+/-0.000 χ^2/NDF:124426.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 2343626.2/19

All: 0.000+/-0.000 χ^2/NDF: 4294240.7/40

- sign 0.000+/-0.000 χ^2/NDF: 1789636.8/20

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: 0.070+/-0.059 χ^2/NDF:5.2/3

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

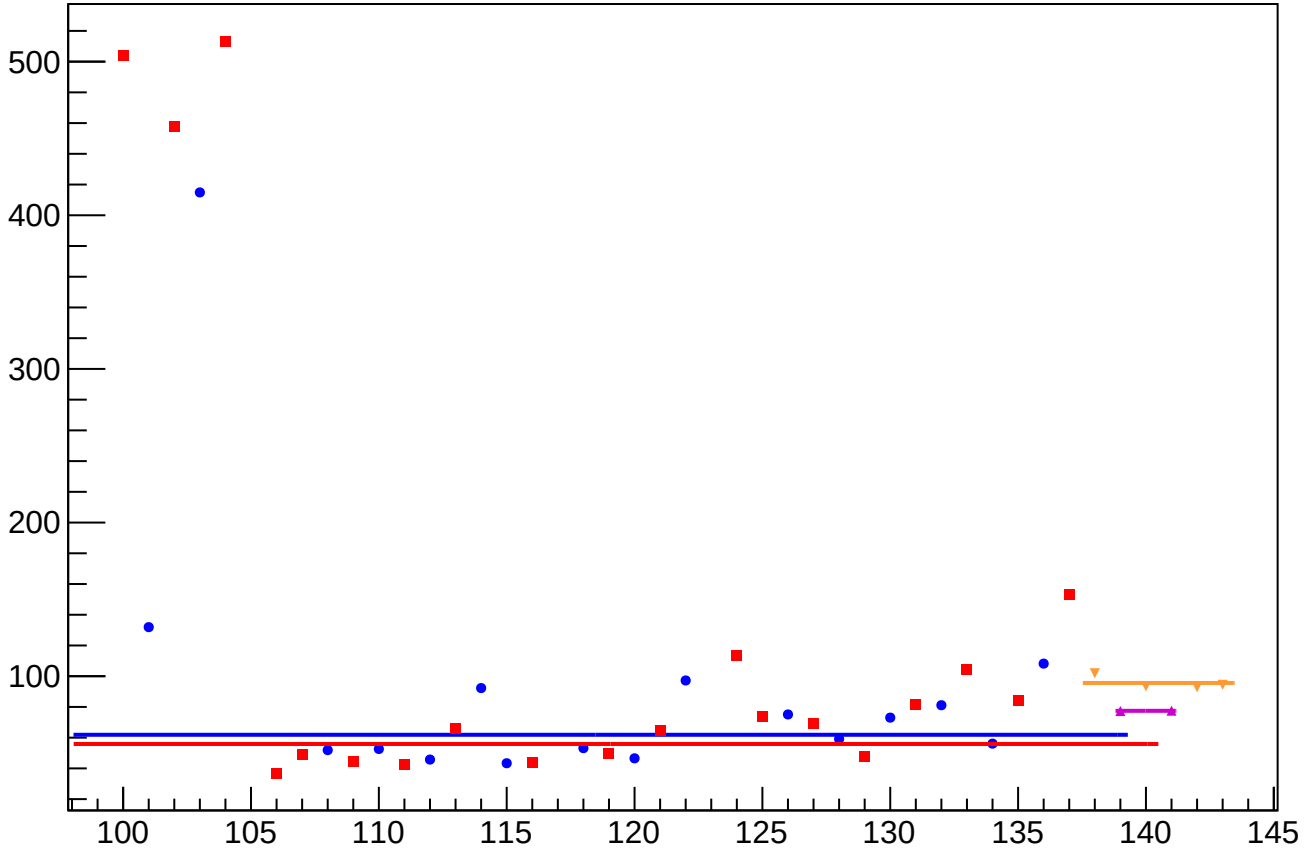
Left In: -0.018+/-0.061 χ^2/NDF:2.1/1

+ sign -0.006+/-0.024 χ^2/NDF: 19.2/19

All: 0.011+/-0.017 χ^2/NDF: 47.3/40

- sign 0.026+/-0.023 χ^2/NDF: 27.1/20

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: 95.607+/-0.042 χ^2/NDF:7250.3/3

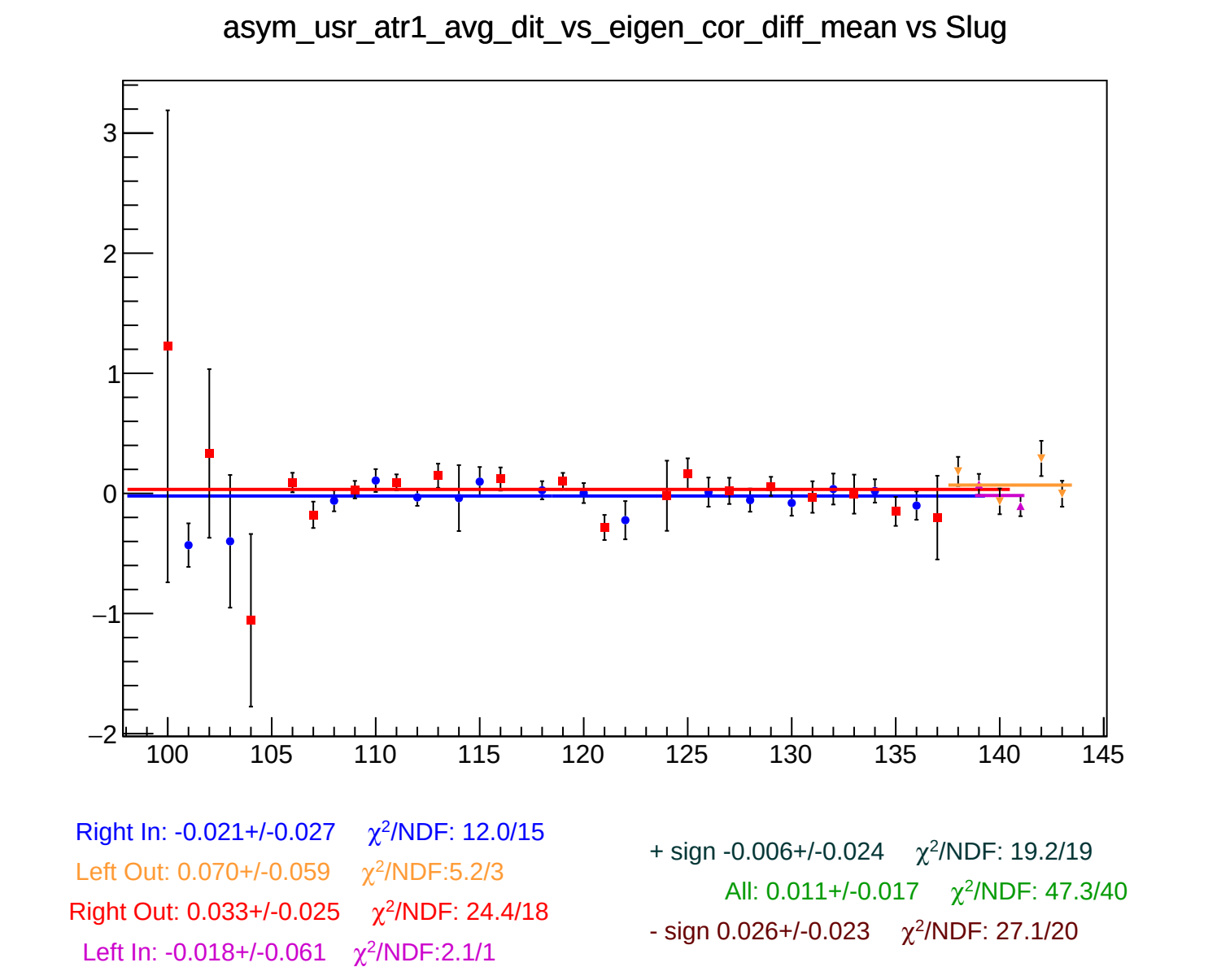
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 77.474+/-0.043 χ^2/NDF:6.9/1

+ sign 67.570+/-0.017 χ^2/NDF: 2489875.2/19

All: 62.969+/-0.012 χ^2/NDF: 5431618.1/40

- sign 58.885+/-0.016 χ^2/NDF: 2805427.4/20


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug
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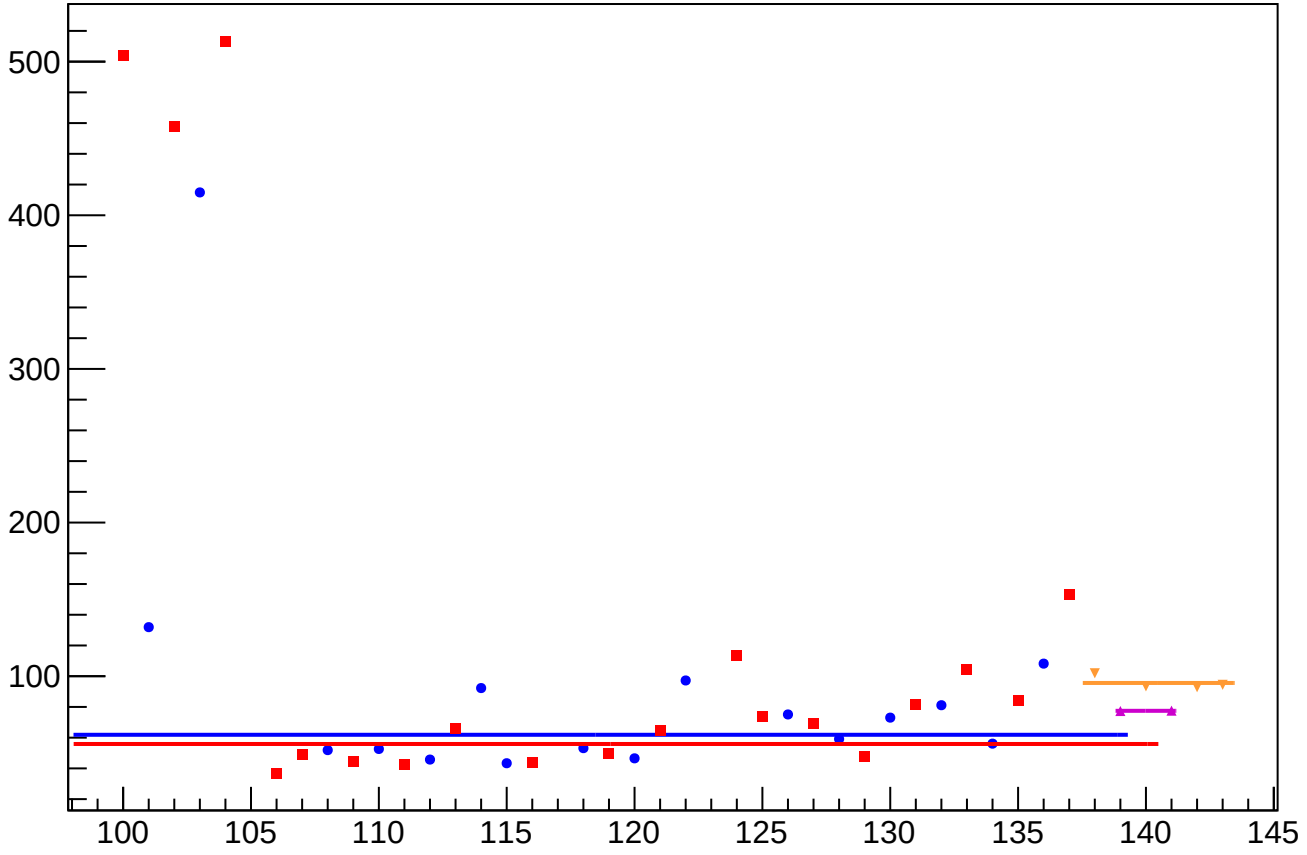
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: 0.070+/-0.059 χ²/NDF:5.2/3
Right Out: 0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.018+/-0.061 χ²/NDF:2.1/1
+ sign -0.006+/-0.024 χ²/NDF: 19.2/19
All: 0.011+/-0.017 χ²/NDF: 47.3/40
- sign 0.026+/-0.023 χ²/NDF: 27.1/20

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: 95.607+/-0.042 χ^2/NDF:7250.3/3

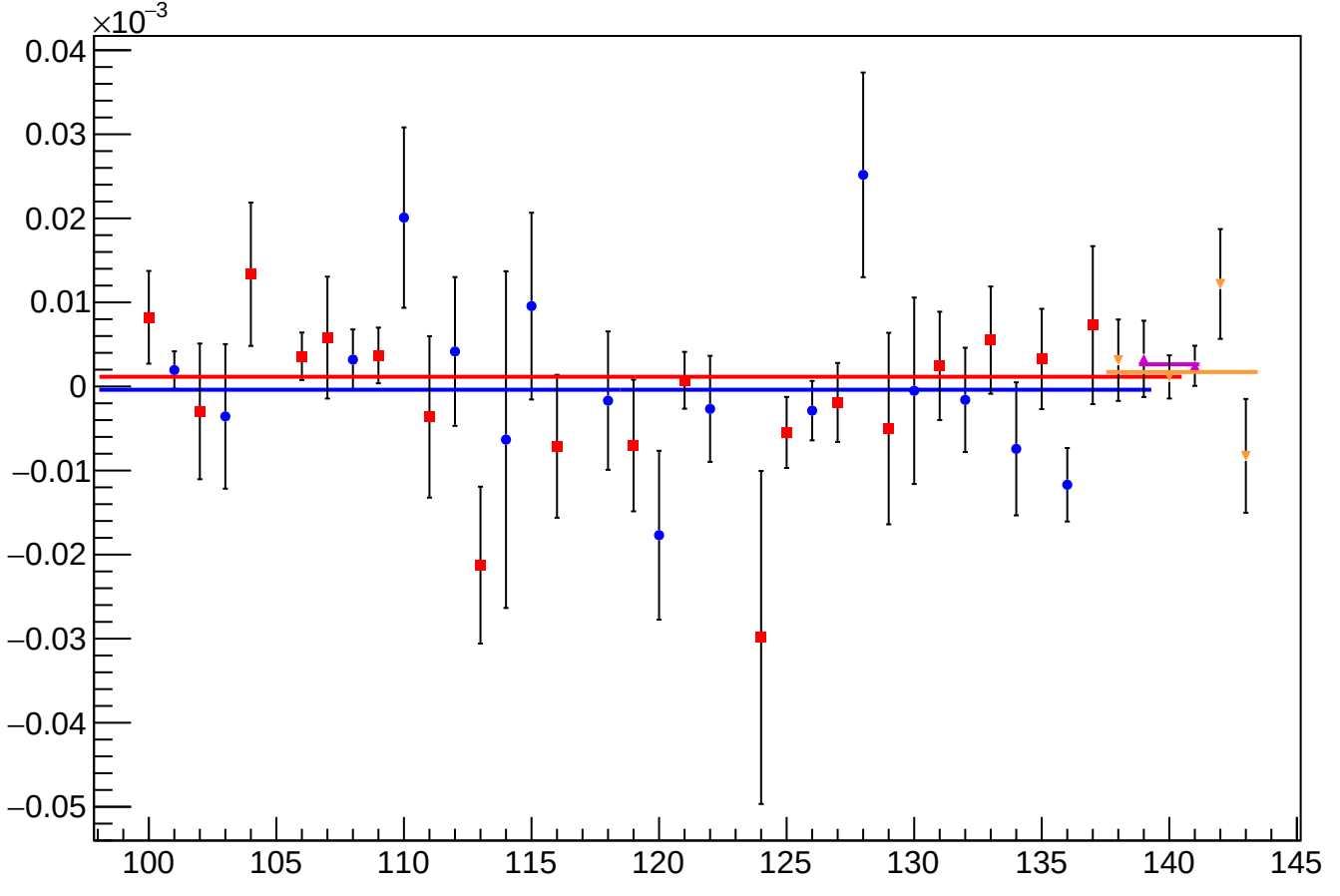
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 77.474+/-0.043 χ^2/NDF:6.9/1

+ sign 67.570+/-0.017 χ^2/NDF: 2489875.2/19

All: 62.969+/-0.012 χ^2/NDF: 5431618.1/40

- sign 58.885+/-0.016 χ^2/NDF: 2805427.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.9/3

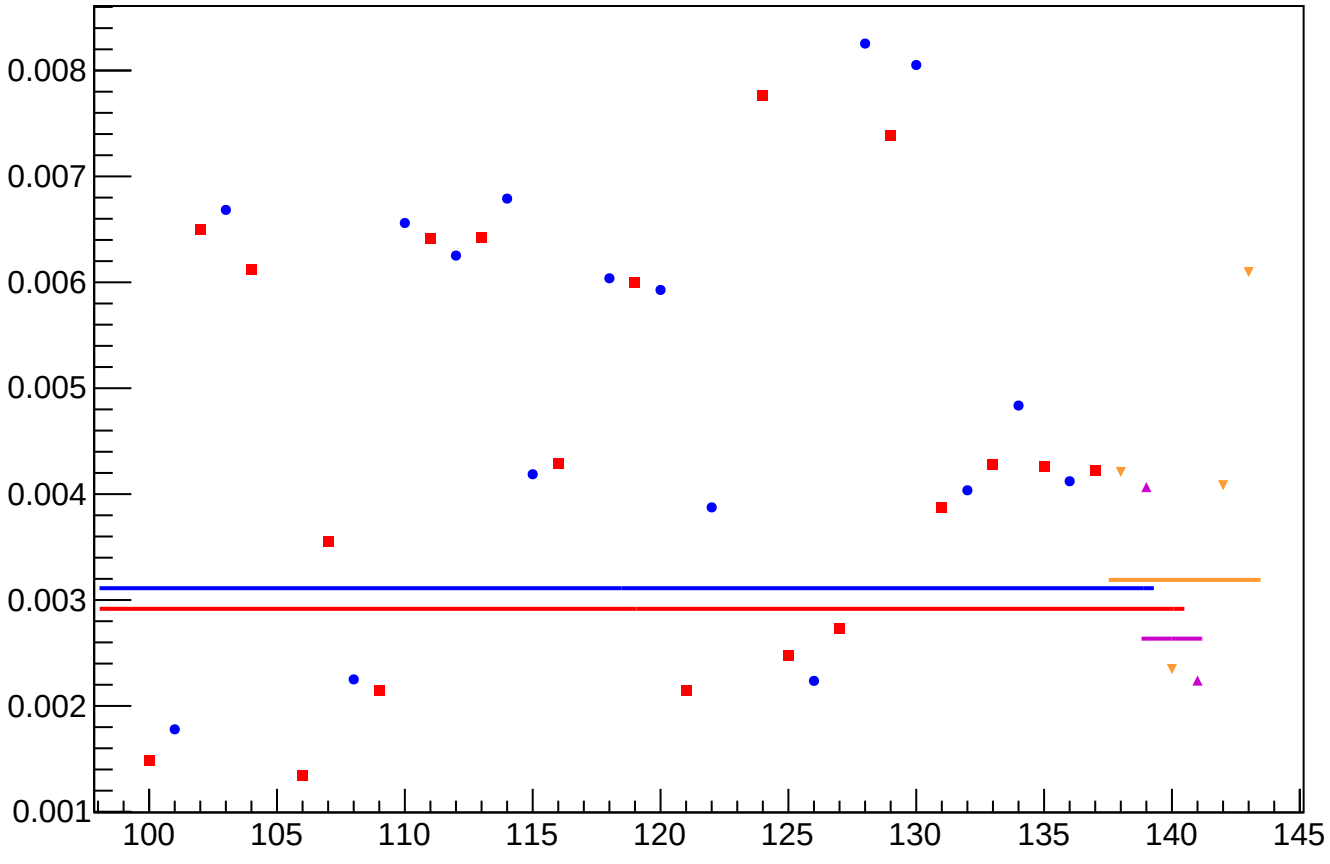
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/19

All: 0.000+/-0.000 χ^2/NDF: 49.7/40

- sign 0.000+/-0.000 χ^2/NDF: 20.8/20



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:709728.7/3

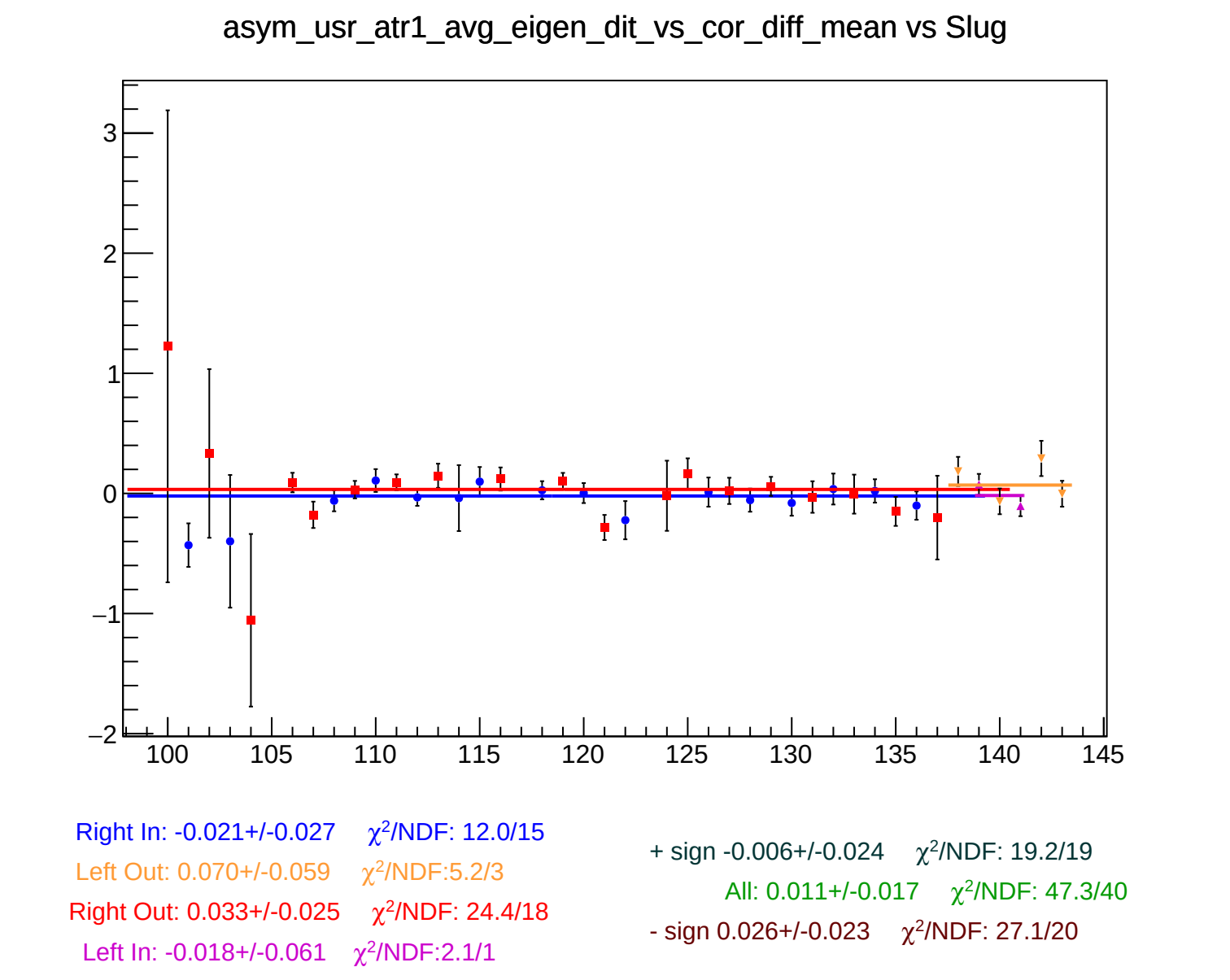
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.003+/-0.000 χ^2/NDF:253783.9/1

+ sign 0.003+/-0.000 χ^2/NDF: 3995726.2/19

All: 0.003+/-0.000 χ^2/NDF: 7641877.3/40

- sign 0.003+/-0.000 χ^2/NDF: 3575597.8/20


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug
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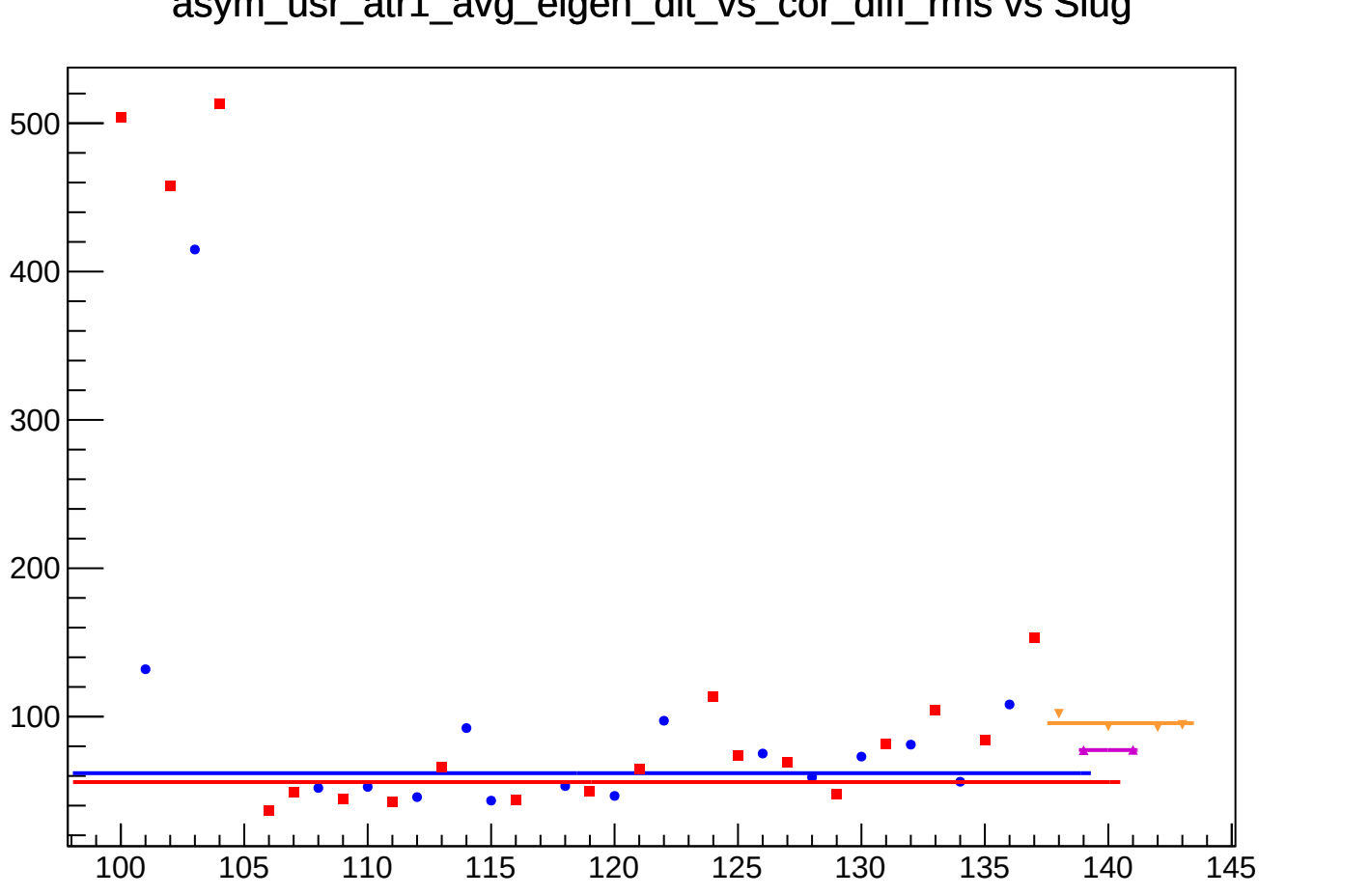
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: 0.070+/-0.059 χ²/NDF:5.2/3
Right Out: 0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.018+/-0.061 χ²/NDF:2.1/1
+ sign -0.006+/-0.024 χ²/NDF: 19.2/19
All: 0.011+/-0.017 χ²/NDF: 47.3/40
- sign 0.026+/-0.023 χ²/NDF: 27.1/20



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 95.608+/-0.042 χ^2/NDF:7250.8/3

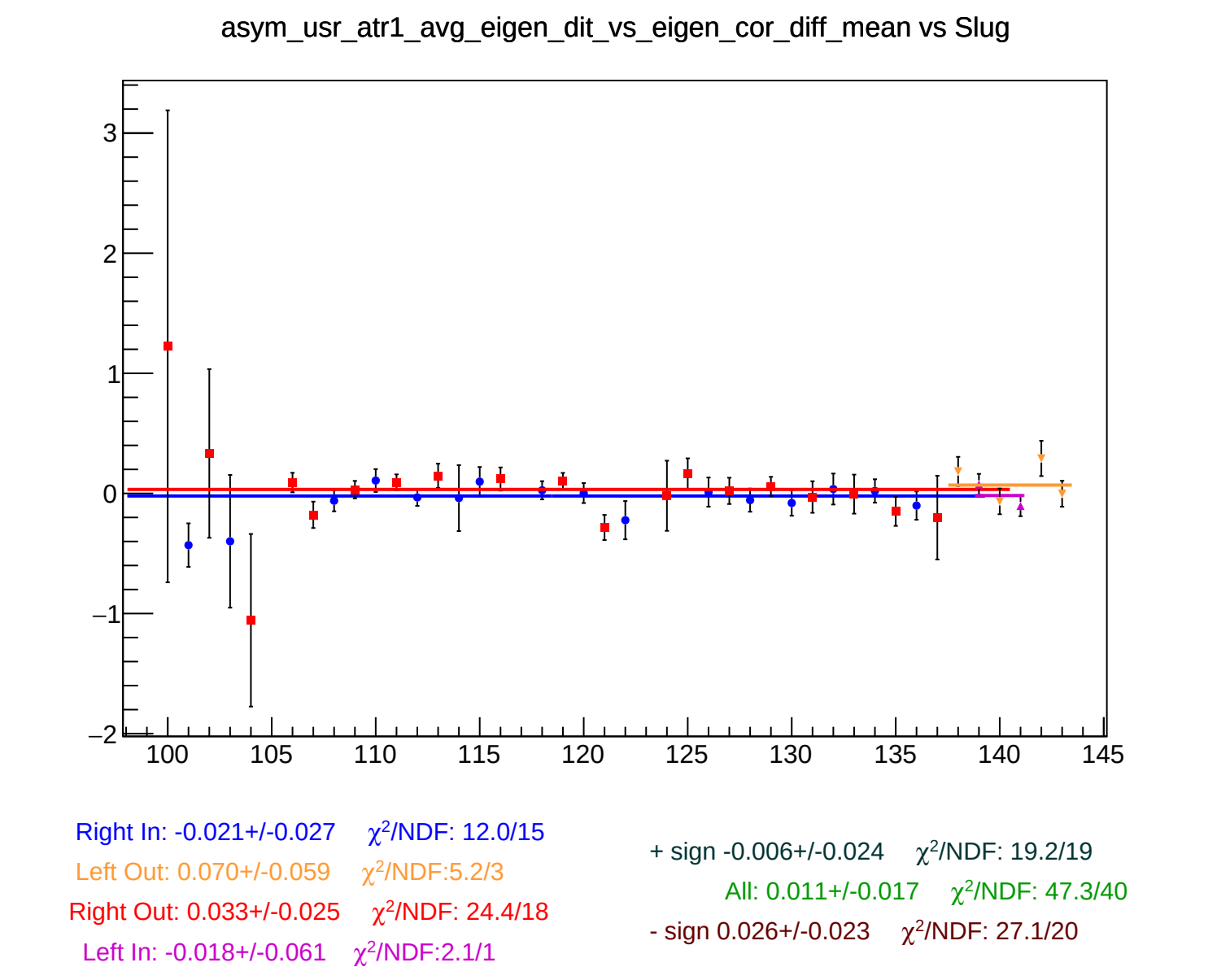
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 77.475+/-0.043 χ^2/NDF:6.8/1

+ sign 67.569+/-0.017 χ^2/NDF: 2489856.7/19

All: 62.969+/-0.012 χ^2/NDF: 5431584.2/40

- sign 58.884+/-0.016 χ^2/NDF: 2805405.5/20


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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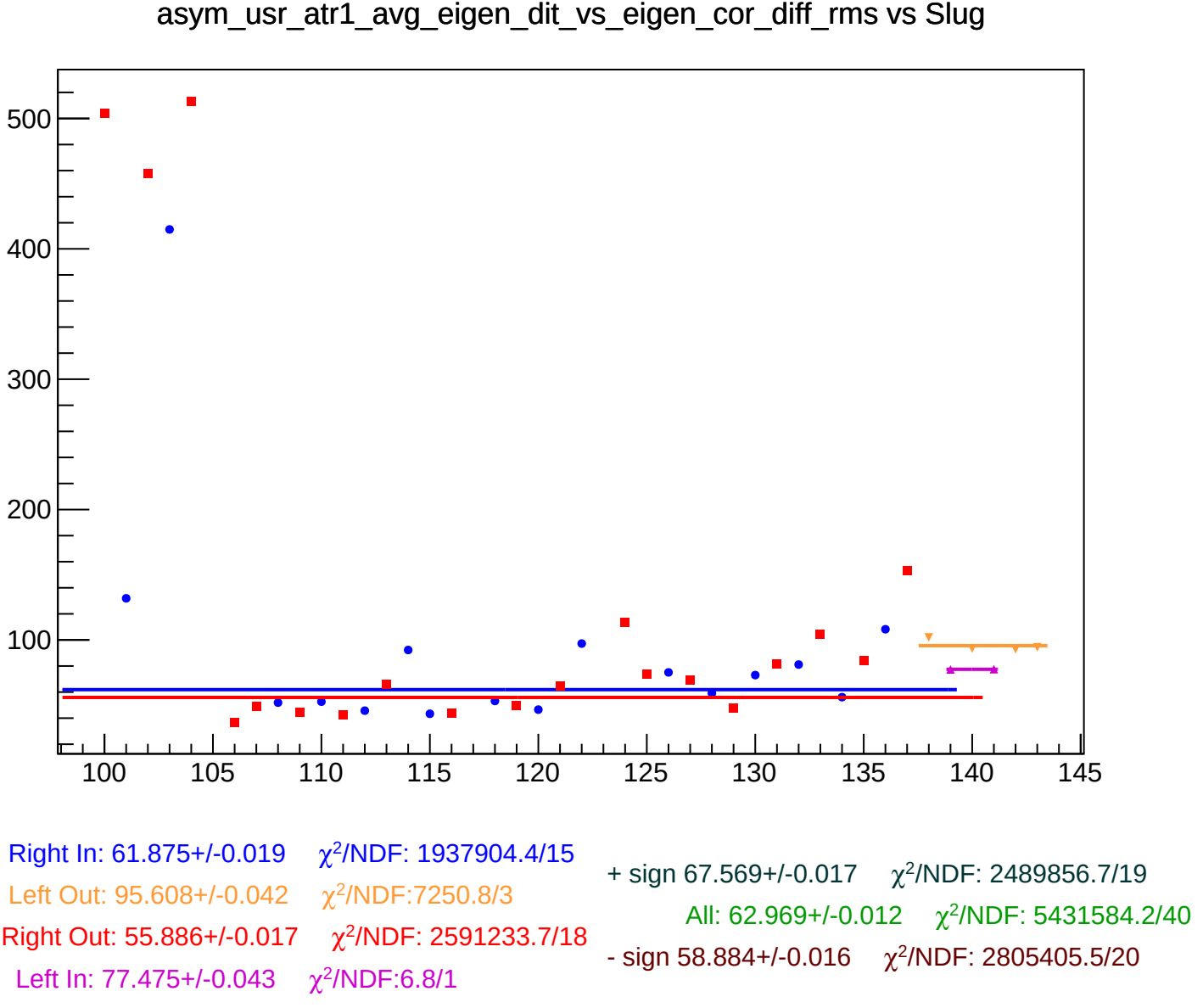
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: 0.070+/-0.059 χ²/NDF:5.2/3
Right Out: 0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.018+/-0.061 χ²/NDF:2.1/1
+ sign -0.006+/-0.024 χ²/NDF: 19.2/19
All: 0.011+/-0.017 χ²/NDF: 47.3/40
- sign 0.026+/-0.023 χ²/NDF: 27.1/20


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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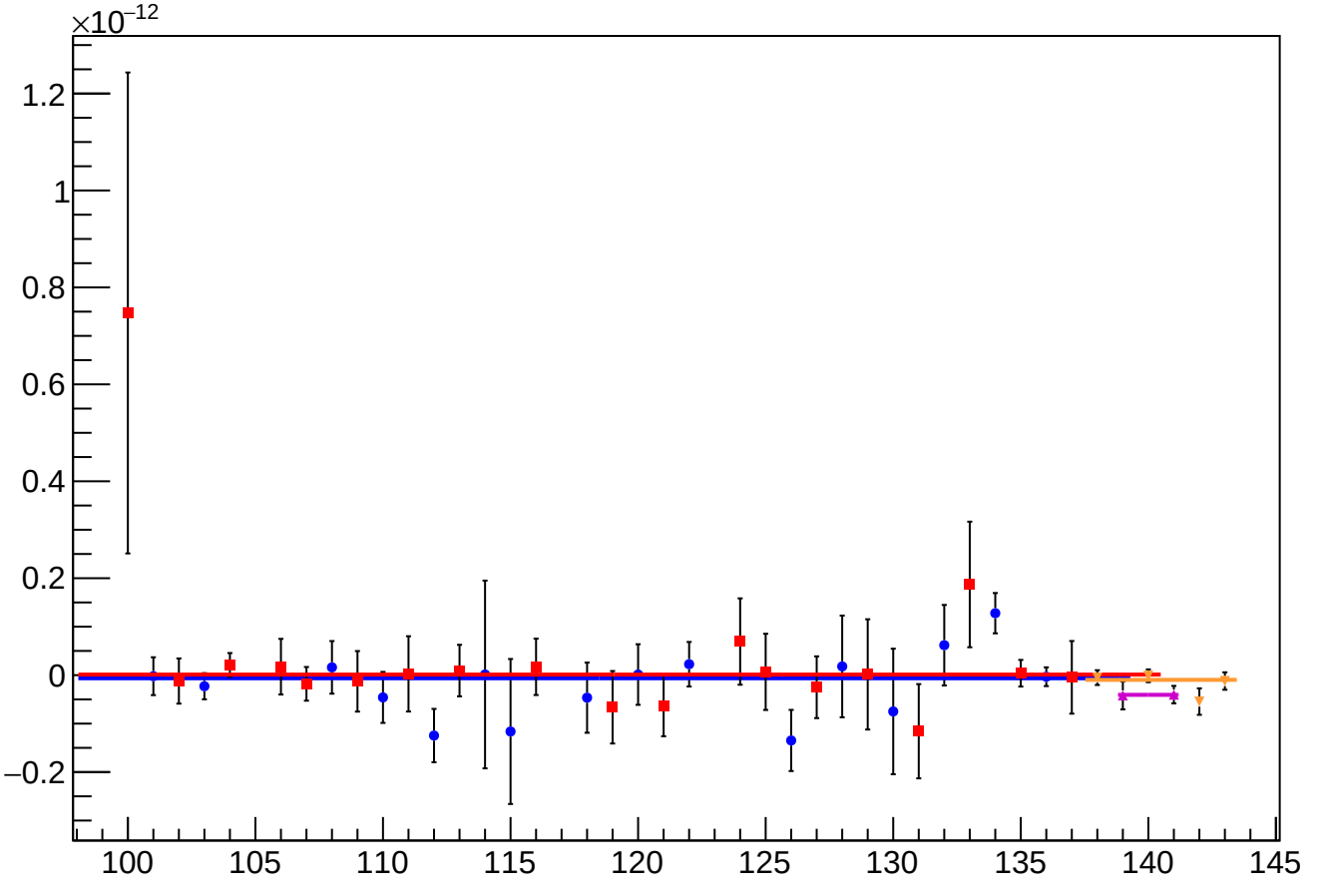
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 95.608+/-0.042 χ²/NDF:7250.8/3
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 77.475+/-0.043 χ²/NDF:6.8/1
+ sign 67.569+/-0.017 χ²/NDF: 2489856.7/19
All: 62.969+/-0.012 χ²/NDF: 5431584.2/40
- sign 58.884+/-0.016 χ²/NDF: 2805405.5/20



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/3

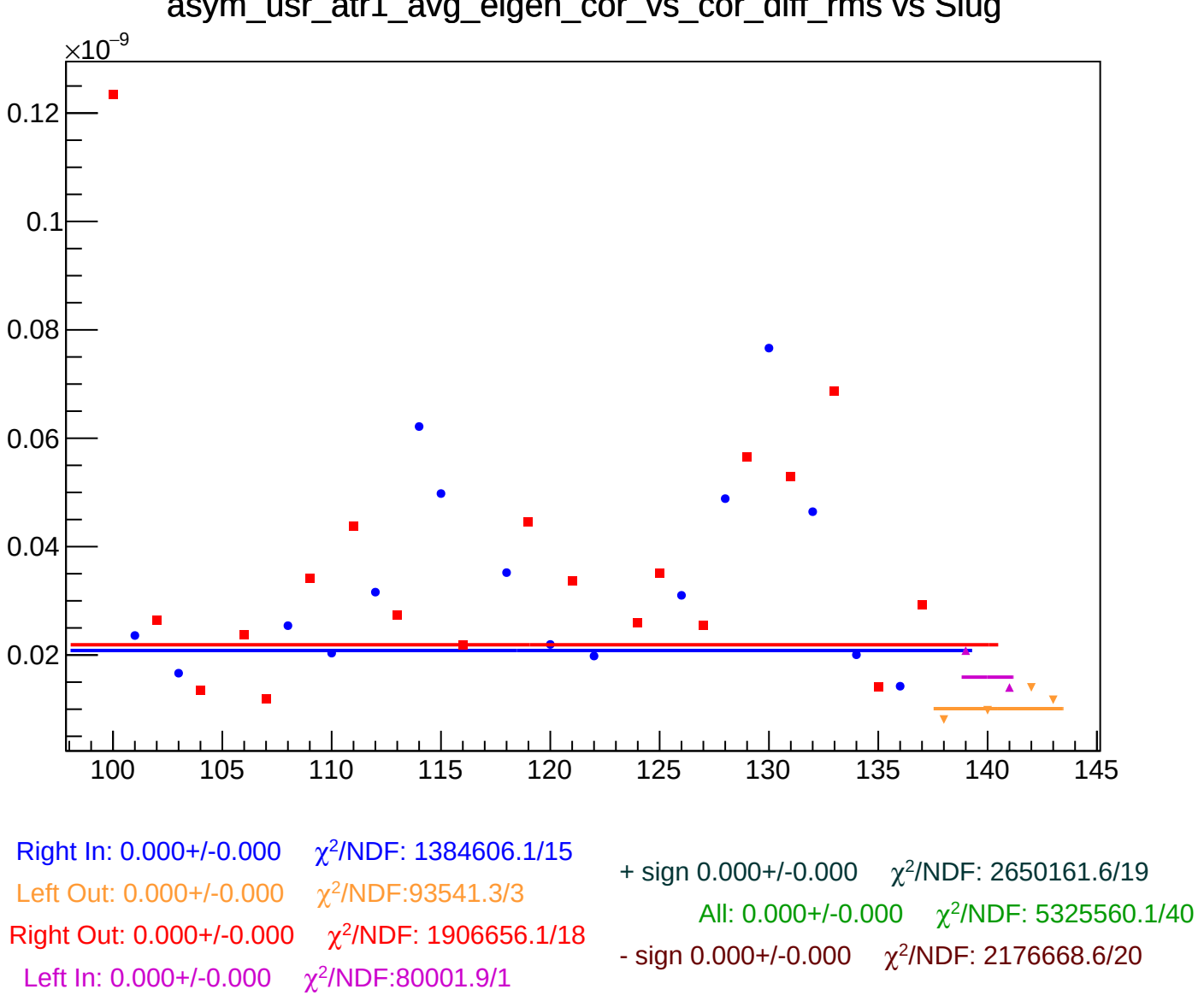
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 25.9/19

All: -0.000+/-0.000 χ^2/NDF: 40.5/40

- sign -0.000+/-0.000 χ^2/NDF: 14.4/20


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug
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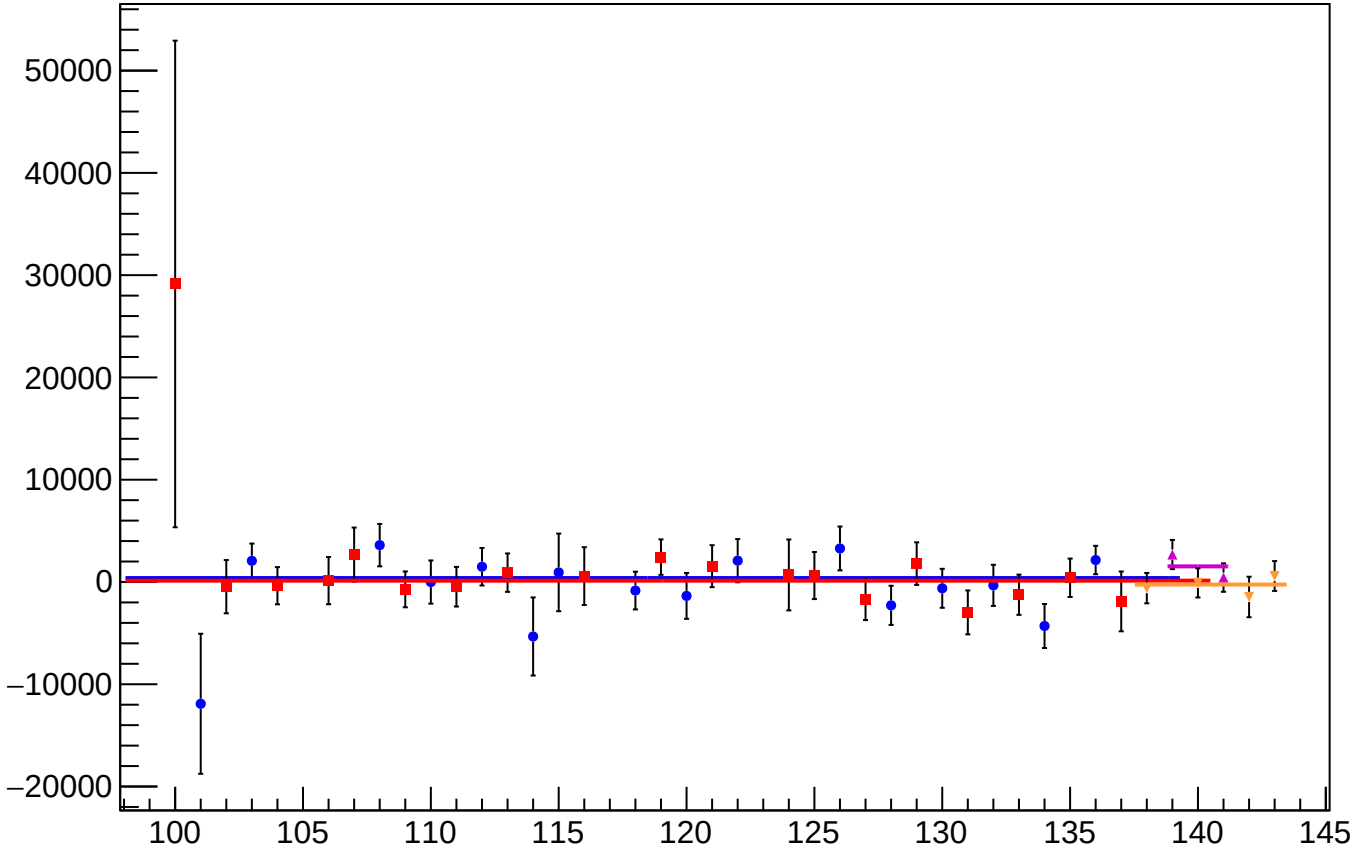
Right In: 0.000+/-0.000 χ²/NDF: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:93541.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:80001.9/1
+ sign 0.000+/-0.000 χ²/NDF: 2650161.6/19
All: 0.000+/-0.000 χ²/NDF: 5325560.1/40
- sign 0.000+/-0.000 χ²/NDF: 2176668.6/20

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -250.480+/-773.273 χ^2/NDF:0.8/3

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

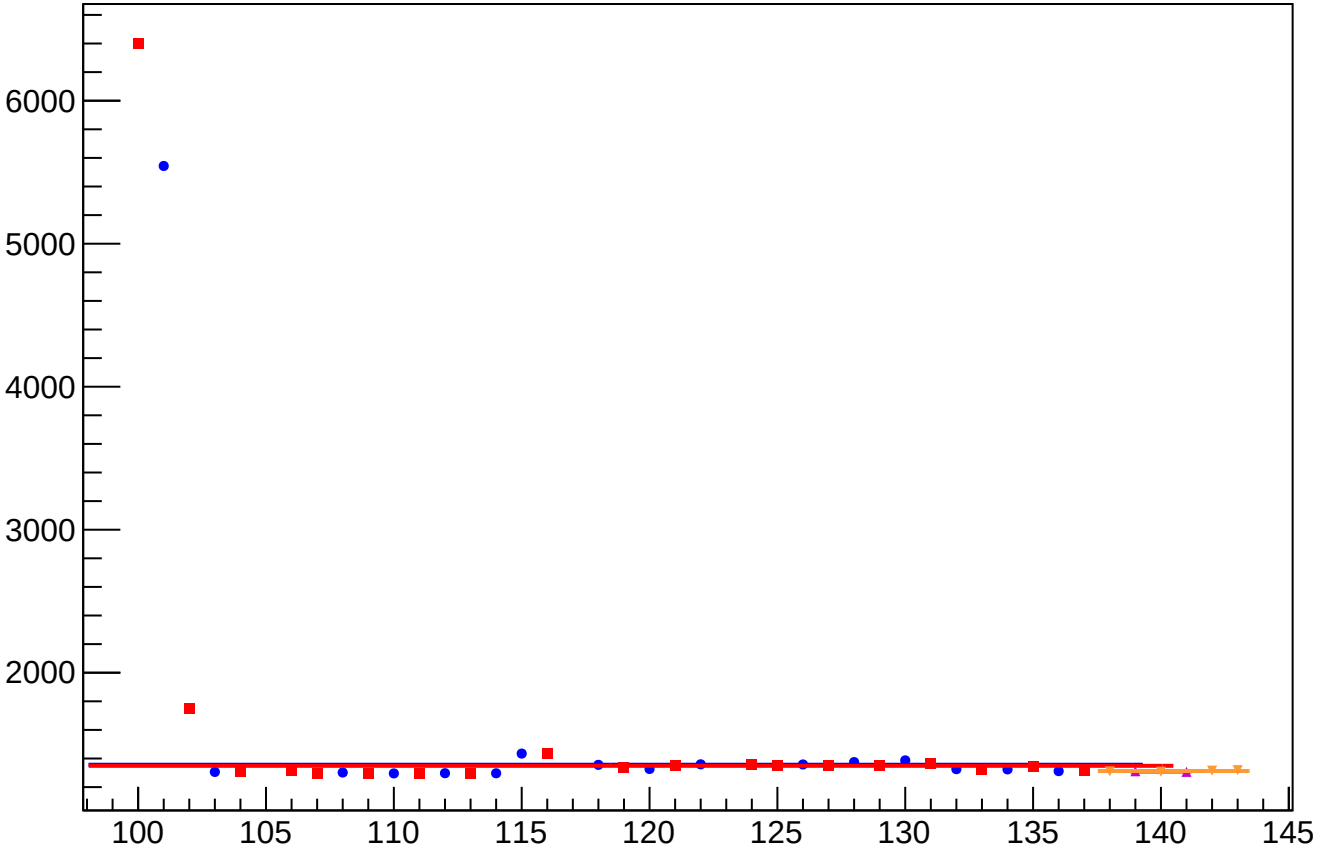
Left In: 1526.990+/-994.584 χ^2/NDF:1.3/1

+ sign 185.791+/-430.242 χ^2/NDF: 22.8/19

All: 294.021+/-310.125 χ^2/NDF: 35.7/40

- sign 411.072+/-447.431 χ^2/NDF: 12.8/20

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

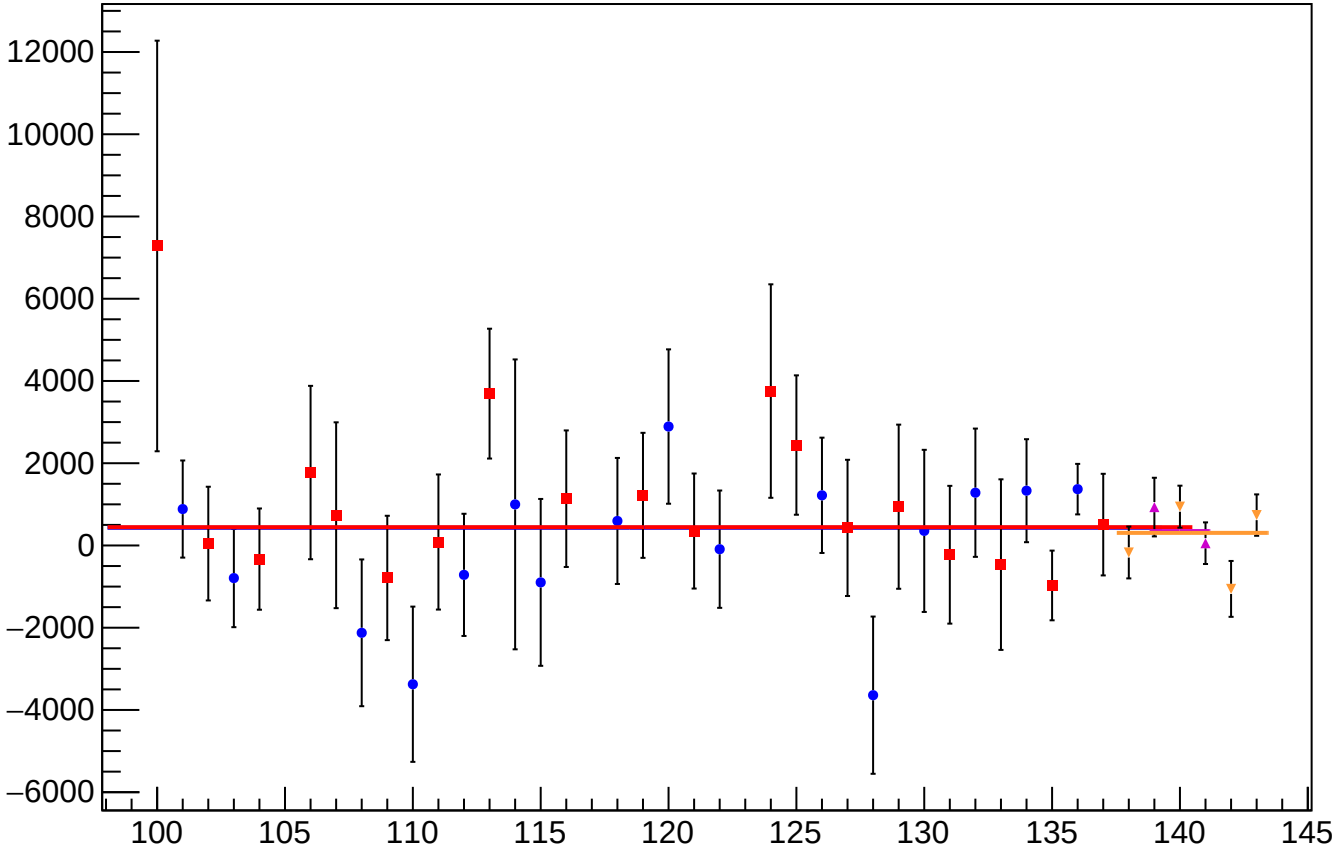
Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

+ sign 1342.824+/-0.304 χ^2/NDF: 764769.7/19

All: 1341.878+/-0.219 χ^2/NDF: 914661.4/40

- sign 1340.855+/-0.316 χ^2/NDF: 149871.6/20

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 306.375+/-283.100 χ^2/NDF:6.9/3

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

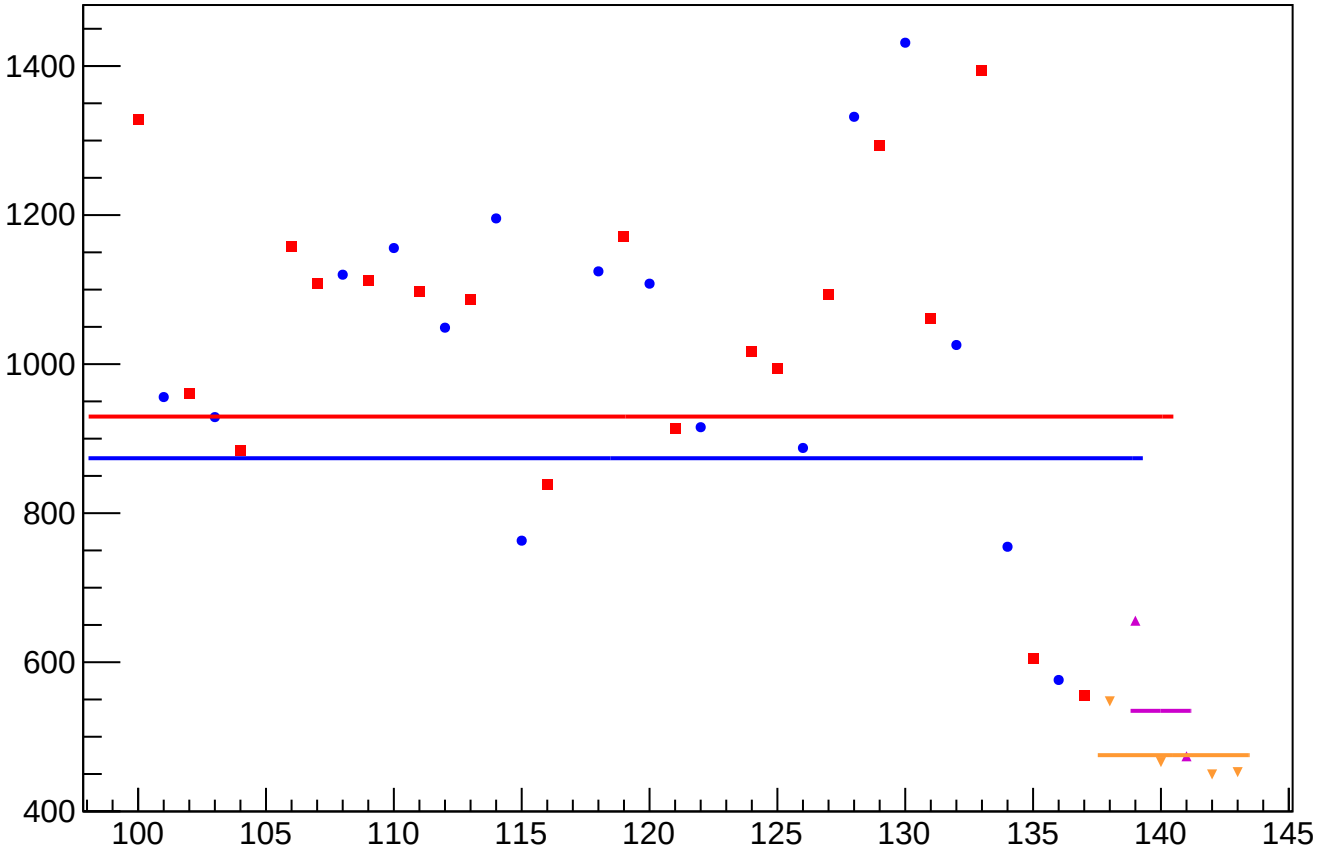
Left In: 349.563+/-412.767 χ^2/NDF:1.0/1

+ sign 357.413+/-217.152 χ^2/NDF: 25.2/19

All: 375.795+/-169.068 χ^2/NDF: 40.6/40

- sign 404.088+/-269.408 χ^2/NDF: 15.4/20

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 475.289+/-0.200 χ^2/NDF:33968.6/3

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

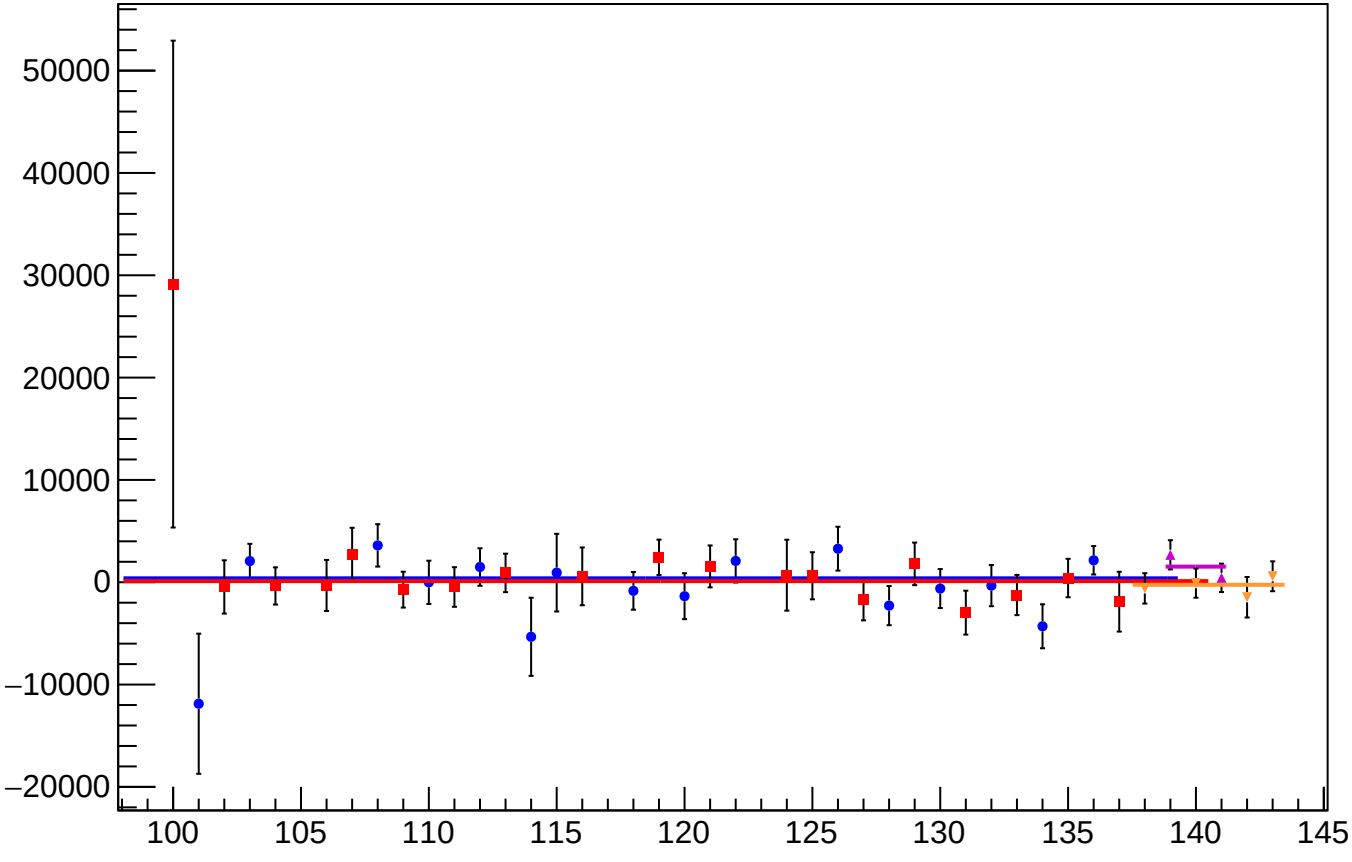
Left In: 534.769+/-0.292 χ^2/NDF:86570.0/1

+ sign 639.303+/-0.154 χ^2/NDF: 2679616.4/19

All: 687.397+/-0.120 χ^2/NDF: 4925817.8/40

- sign 761.422+/-0.191 χ^2/NDF: 1997098.2/20

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -250.630+/-773.273 χ^2/NDF:0.8/3

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

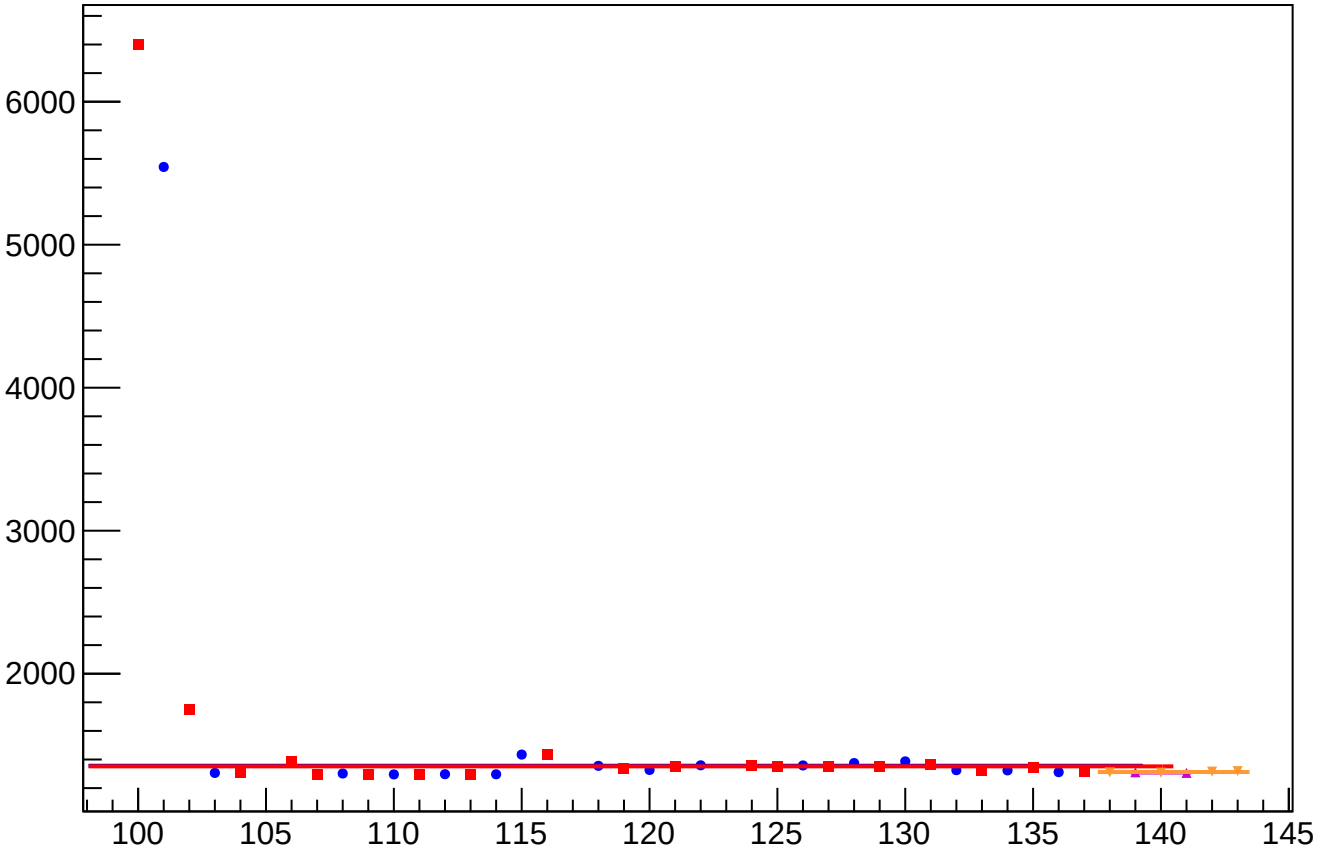
Left In: 1527.157+/-994.584 χ^2/NDF:1.3/1

\+ sign 185.957+/-430.242 χ^2/NDF: 22.7/19

All: 287.823+/-310.530 χ^2/NDF: 35.7/40

\- sign 398.590+/-448.647 χ^2/NDF: 12.9/20

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

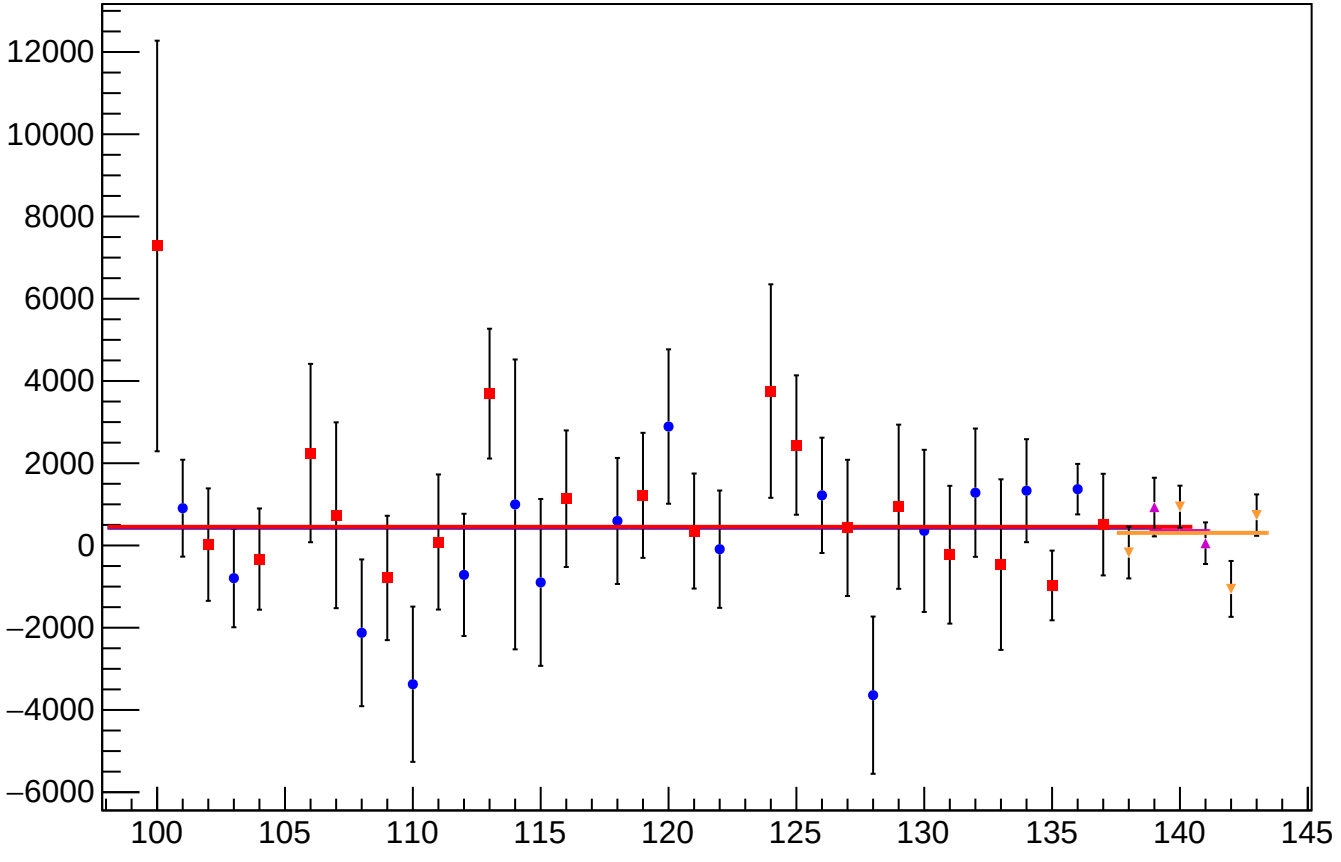
Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

+ sign 1342.824+/-0.304 χ^2/NDF: 764768.8/19

All: 1343.046+/-0.220 χ^2/NDF: 915116.1/40

- sign 1343.287+/-0.317 χ^2/NDF: 150346.2/20

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 306.262+/-283.103 χ^2/NDF:6.9/3

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

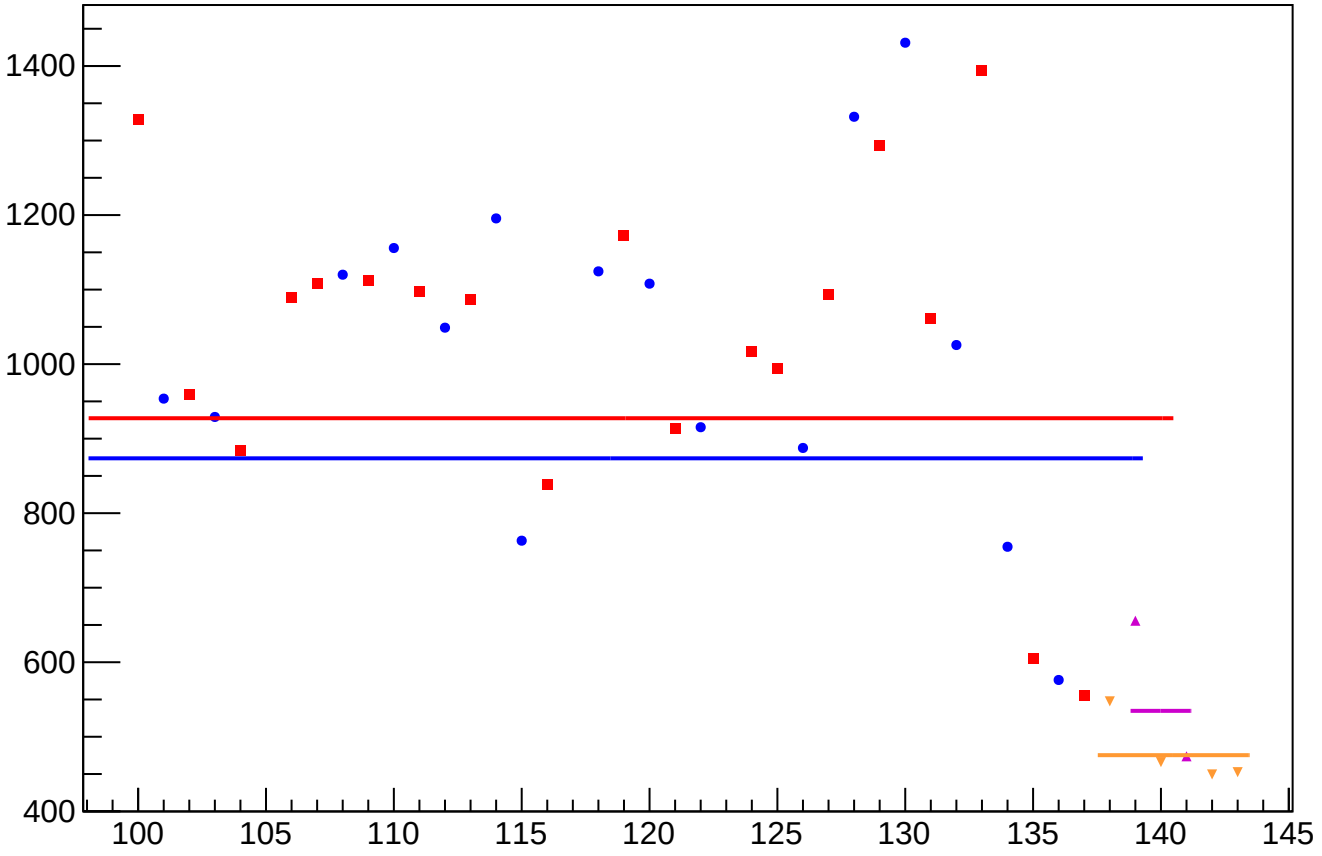
Left In: 349.563+/-412.752 χ^2/NDF:1.0/1

\+ sign 358.086+/-217.138 χ^2/NDF: 25.2/19

All: 378.119+/-169.061 χ^2/NDF: 41.0/40

\- sign 408.955+/-269.406 χ^2/NDF: 15.7/20

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 475.295+/-0.200 χ^2/NDF:33973.6/3

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

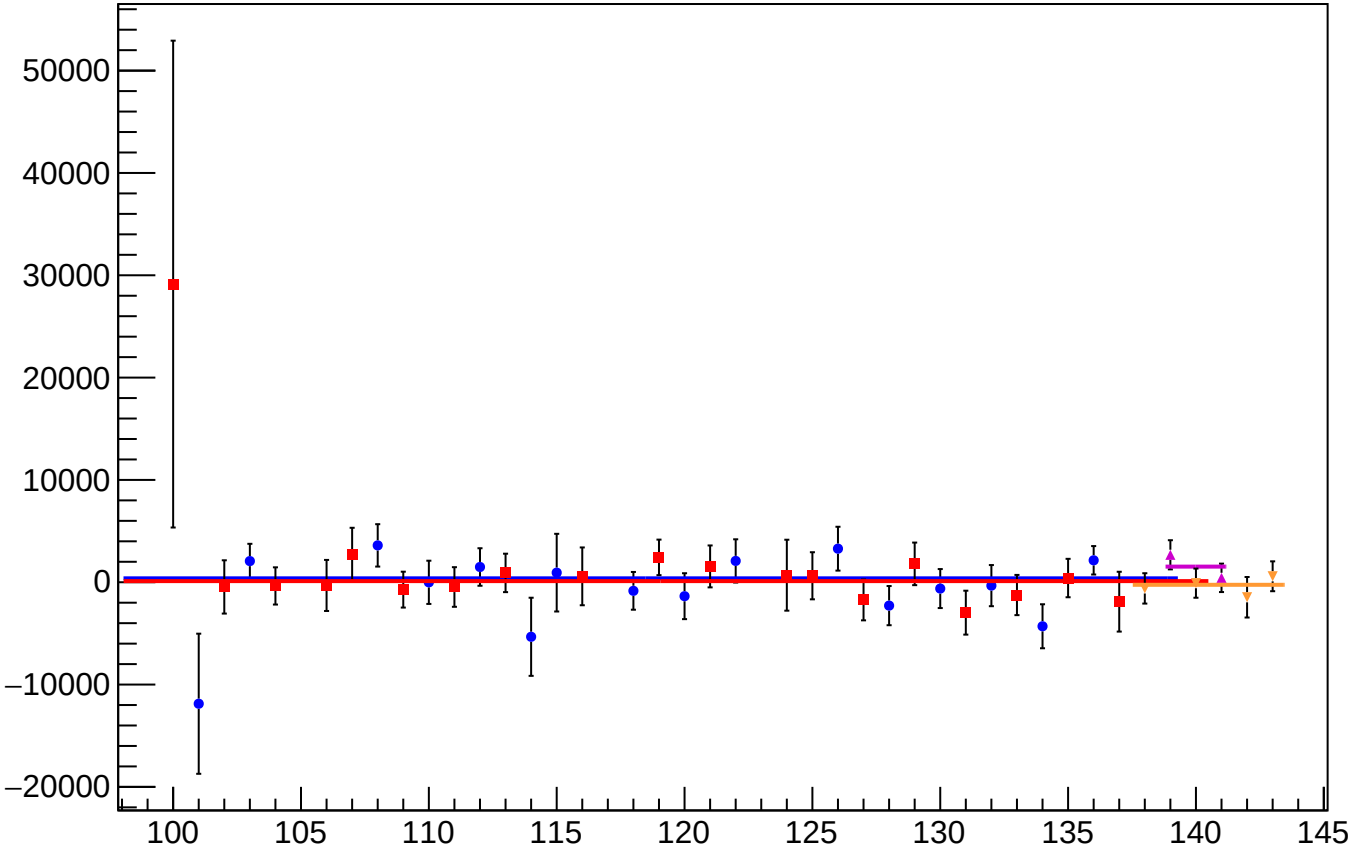
Left In: 534.750+/-0.292 χ^2/NDF:86573.2/1

+ sign 639.289+/-0.154 χ^2/NDF: 2678389.9/19

All: 686.874+/-0.120 χ^2/NDF: 4895149.6/40

- sign 760.125+/-0.190 χ^2/NDF: 1972850.1/20

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -250.630+/-773.273 χ^2/NDF:0.8/3

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

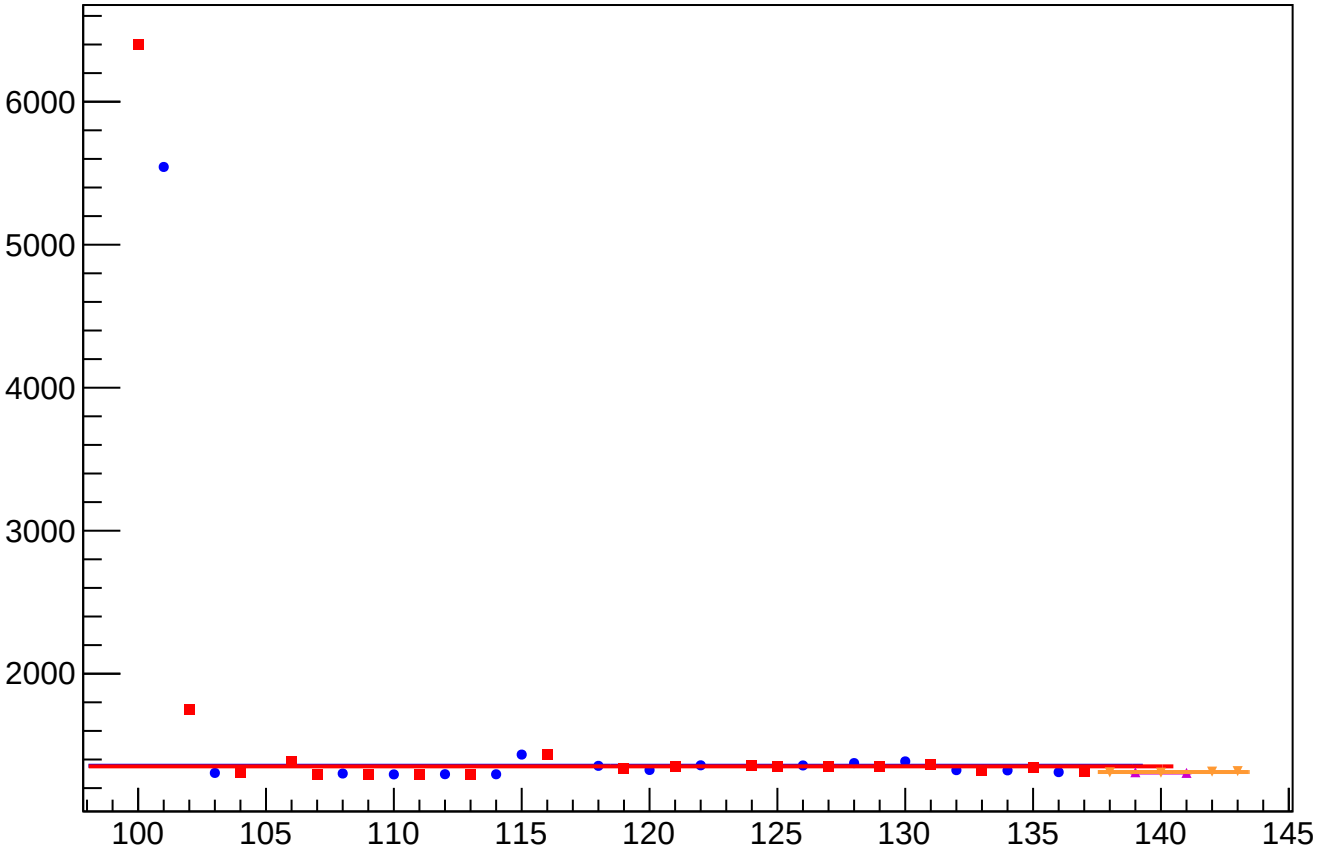
Left In: 1527.157+/-994.584 χ^2/NDF:1.3/1

+ sign 185.957+/-430.242 χ^2/NDF: 22.7/19

All: 287.823+/-310.530 χ^2/NDF: 35.7/40

- sign 398.590+/-448.647 χ^2/NDF: 12.9/20

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

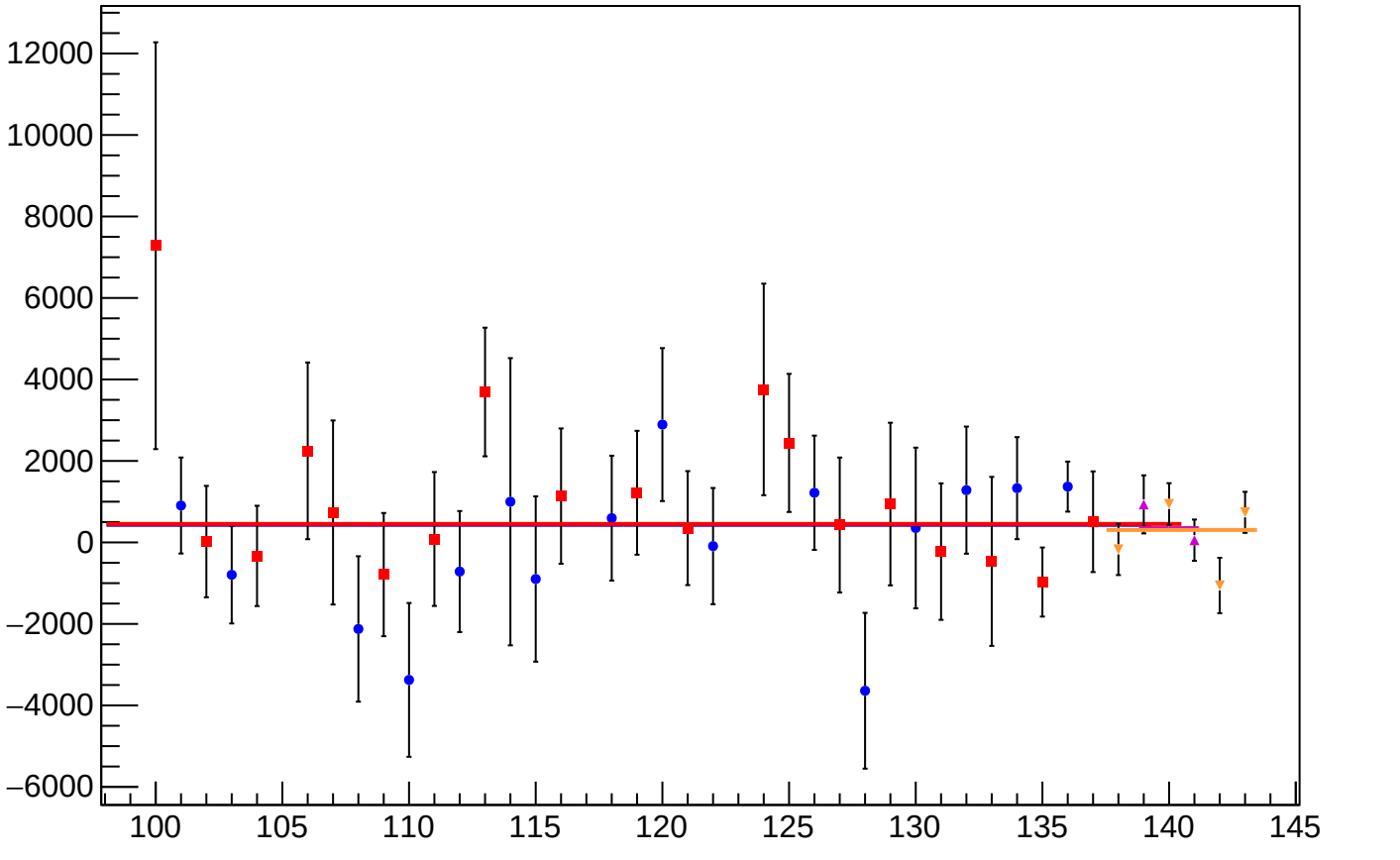
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

+ sign 1342.824+/-0.304 χ^2/NDF: 764768.8/19

All: 1343.046+/-0.220 χ^2/NDF: 915116.1/40

- sign 1343.287+/-0.317 χ^2/NDF: 150346.2/20



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 306.262+/-283.103 χ^2/NDF:6.9/3

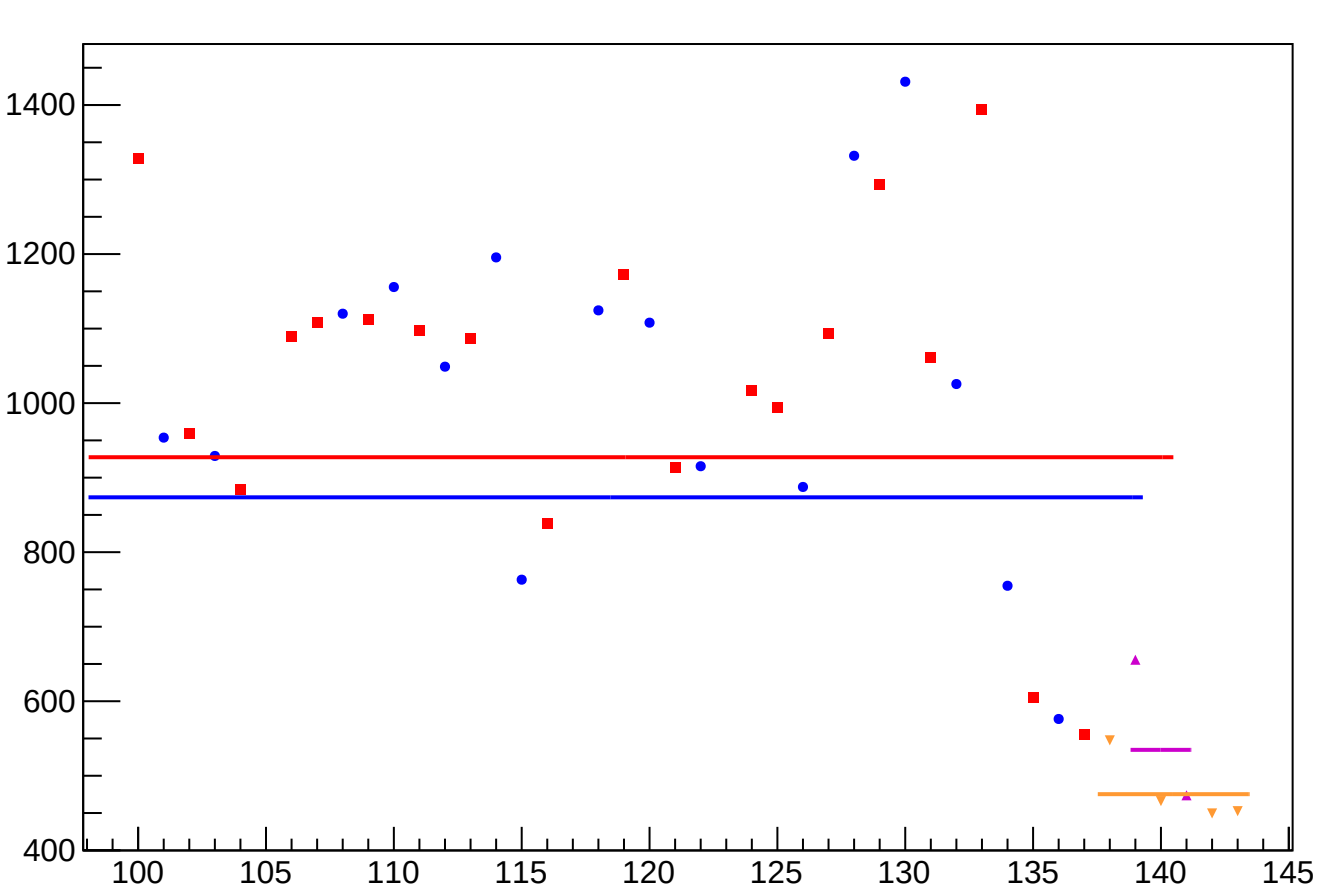
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 349.563+/-412.752 χ^2/NDF:1.0/1

+ sign 358.086+/-217.138 χ^2/NDF: 25.2/19

All: 378.119+/-169.061 χ^2/NDF: 41.0/40

- sign 408.955+/-269.406 χ^2/NDF: 15.7/20



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 475.295+/-0.200 χ^2/NDF:33973.6/3

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

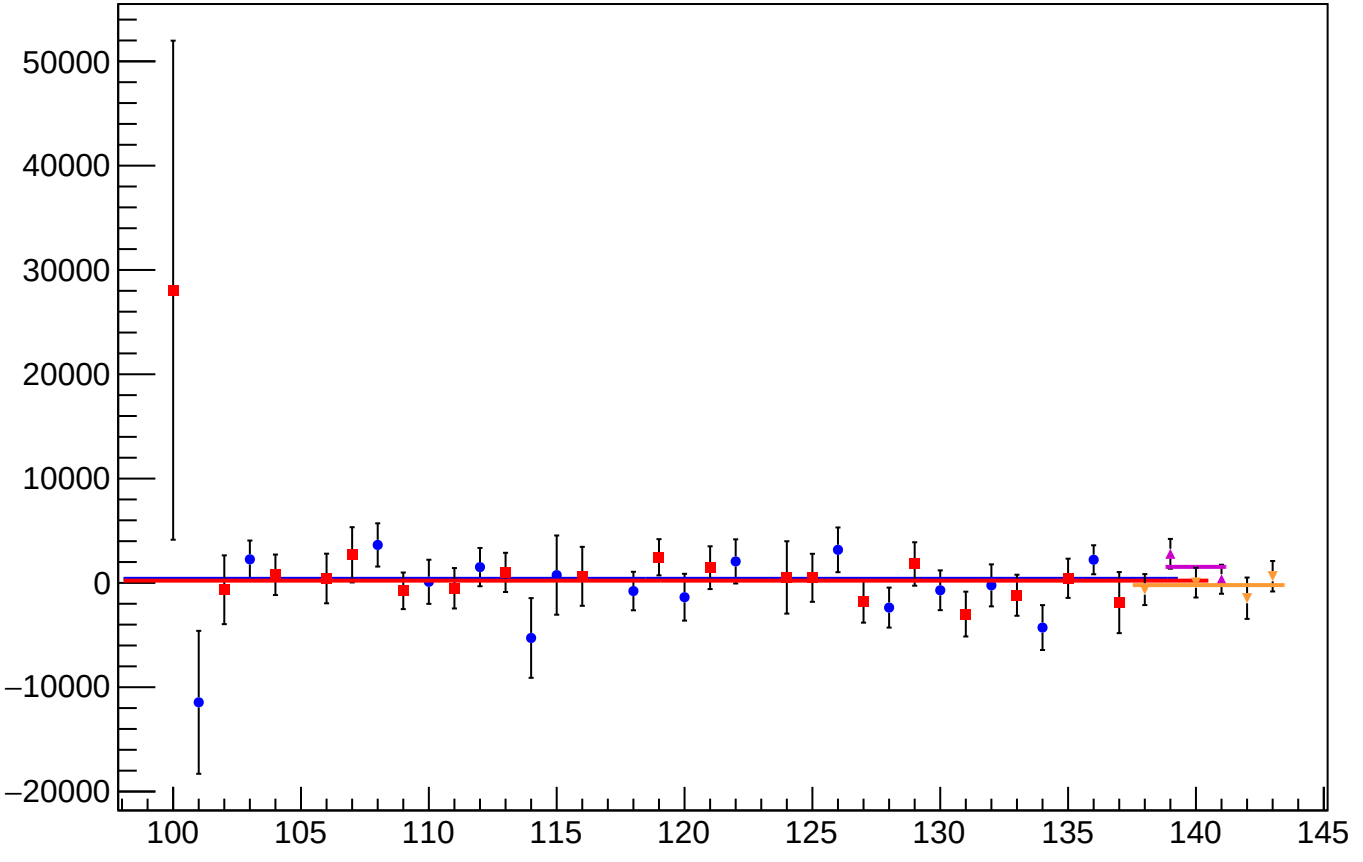
Left In: 534.750+/-0.292 χ^2/NDF:86573.2/1

+ sign 639.289+/-0.154 χ^2/NDF: 2678389.9/19

All: 686.874+/-0.120 χ^2/NDF: 4895149.6/40

- sign 760.125+/-0.190 χ^2/NDF: 1972850.1/20

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -211.295+/-773.827 χ^2/NDF:0.9/3

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

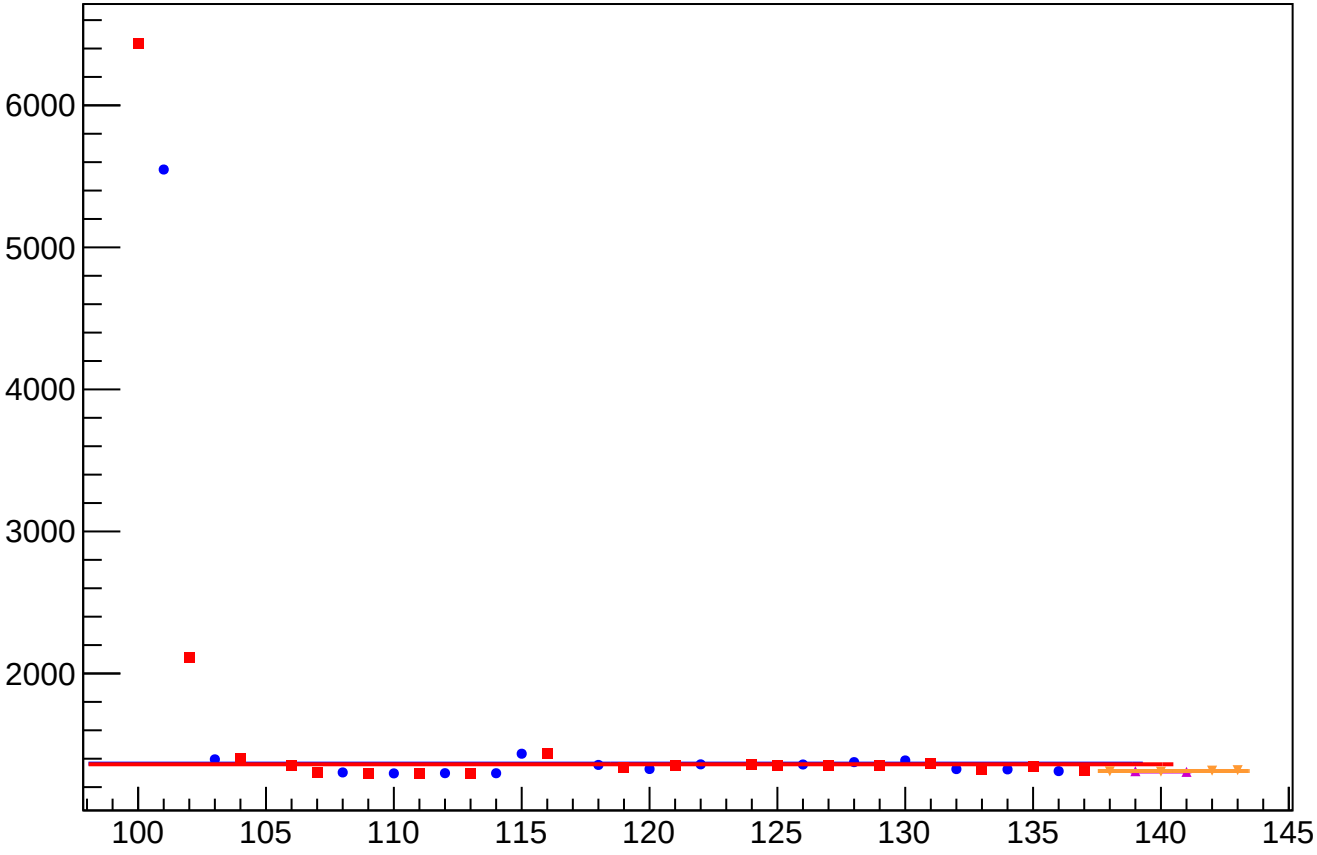
Left In: 1537.640+/-995.287 χ^2/NDF:1.5/1

\+ sign 202.335+/-432.266 χ^2/NDF: 22.7/19

All: 340.008+/-312.540 χ^2/NDF: 35.7/40

\- sign 490.817+/-452.419 χ^2/NDF: 12.9/20

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.492+/-0.547 χ^2/NDF:56.8/3

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

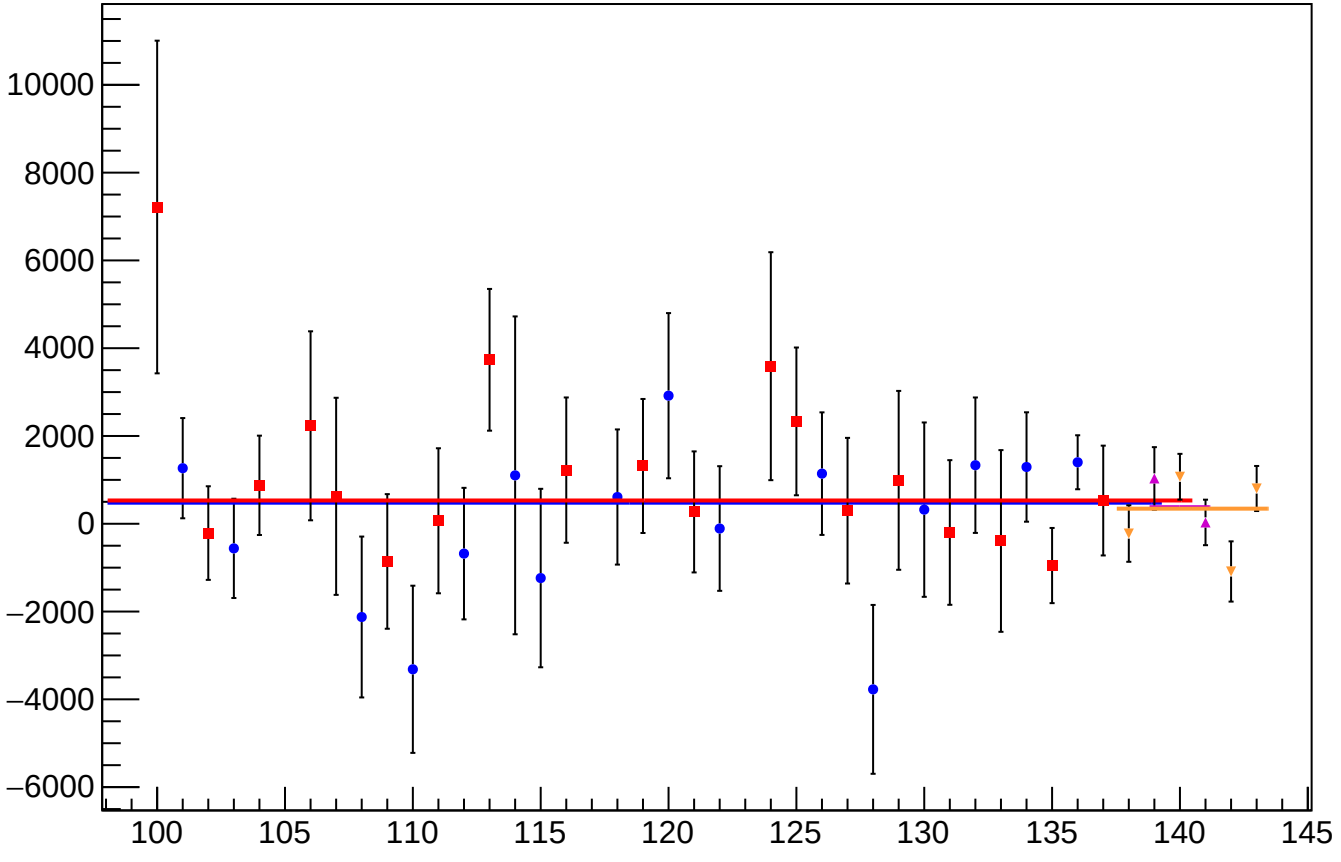
Left In: 1309.775+/-0.704 χ^2/NDF:11.7/1

+ sign 1349.135+/-0.306 χ^2/NDF: 765169.2/19

All: 1349.659+/-0.221 χ^2/NDF: 974667.9/40

- sign 1350.234+/-0.320 χ^2/NDF: 209492.5/20

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 344.157+/-288.616 χ^2/NDF:7.9/3

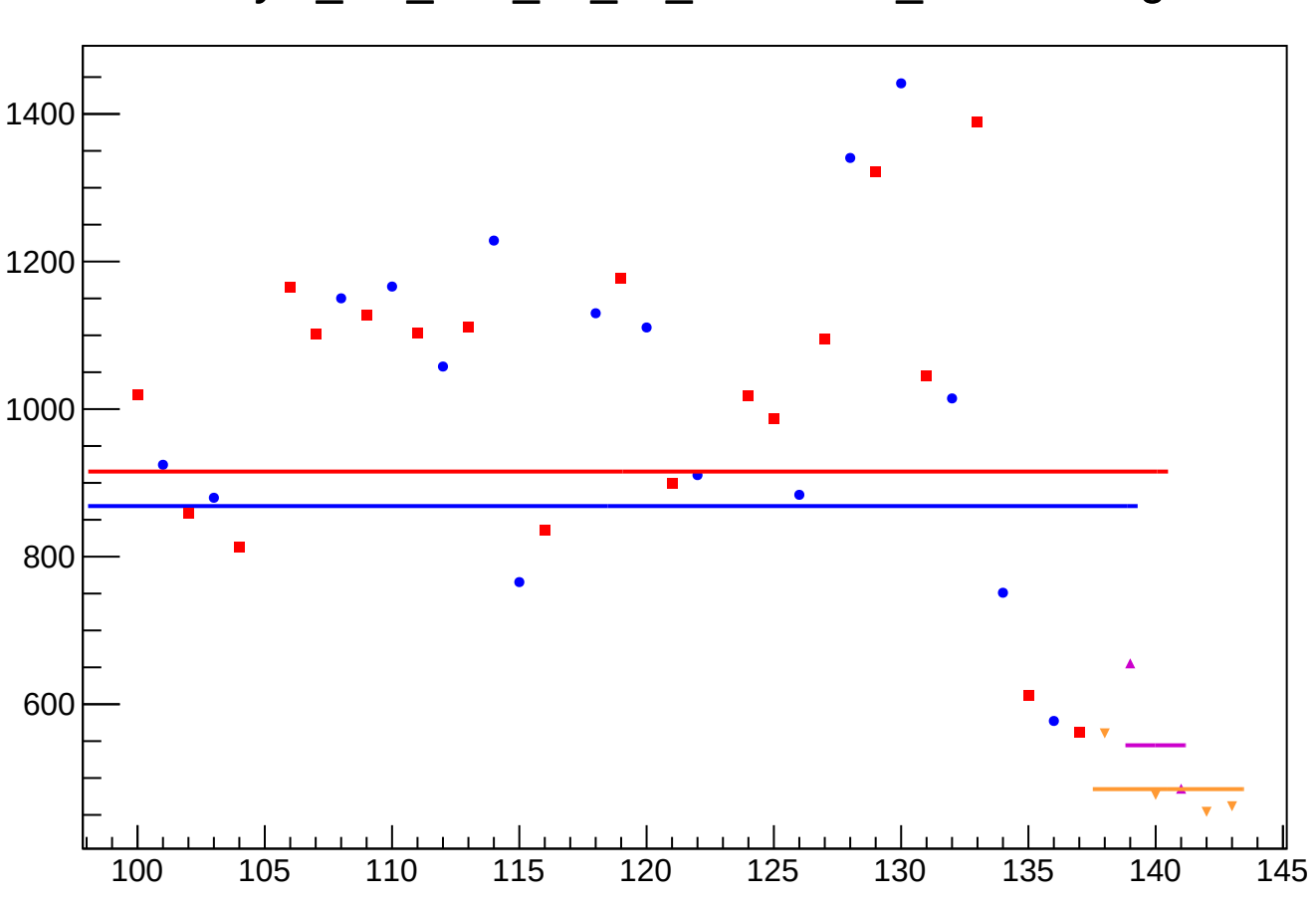
Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: 377.590+/-419.248 χ^2/NDF:1.3/1

+ sign 401.900+/-219.079 χ^2/NDF: 26.6/19

All: 428.727+/-169.339 χ^2/NDF: 43.6/40

- sign 468.545+/-266.906 χ^2/NDF: 17.0/20



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 484.945+/-0.204 χ^2/NDF:36176.5/3

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

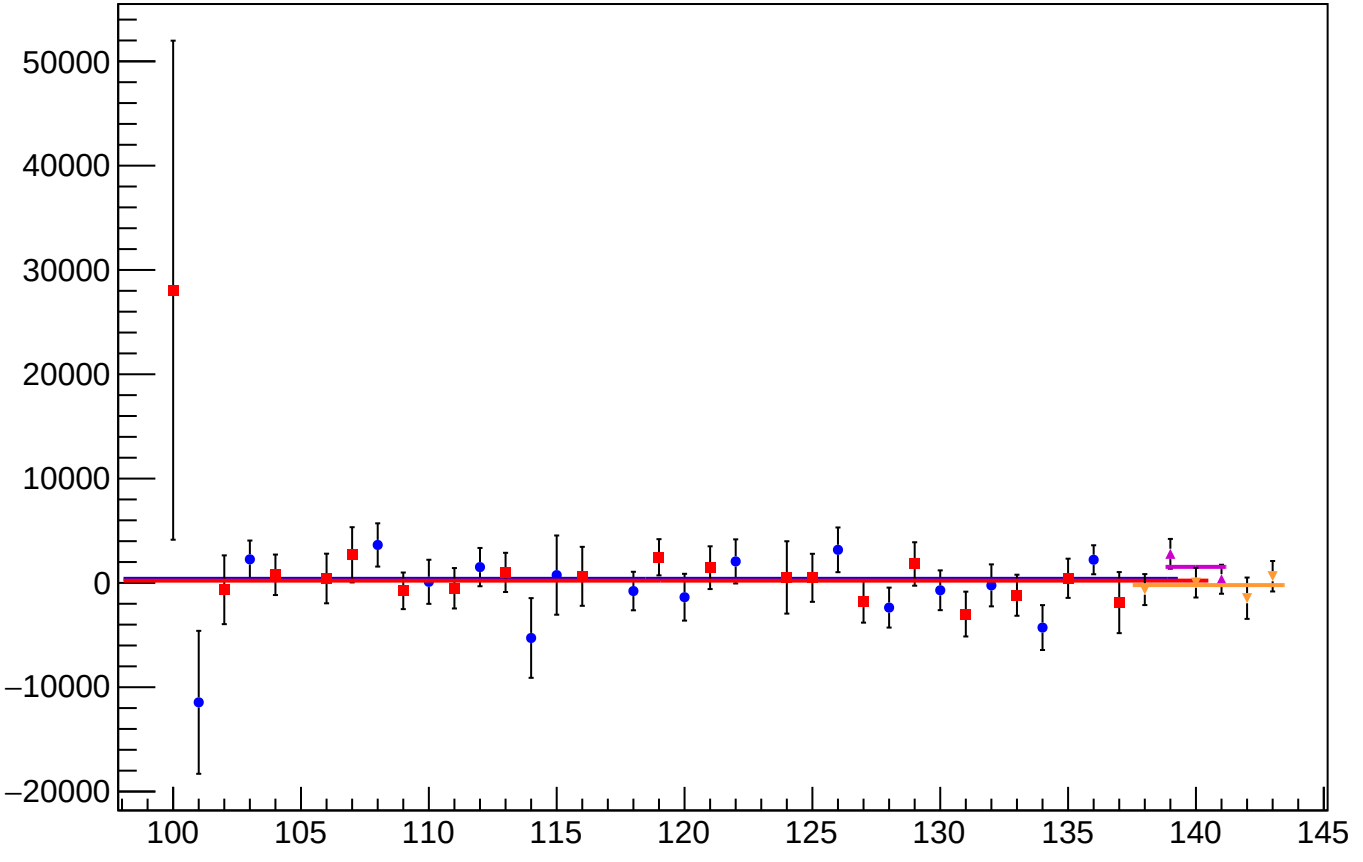
Left In: 544.371+/-0.296 χ^2/NDF:74347.5/1

+ sign 647.532+/-0.155 χ^2/NDF: 2555084.7/19

All: 694.816+/-0.120 χ^2/NDF: 4651135.2/40

- sign 764.999+/-0.189 χ^2/NDF: 1864598.0/20

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -211.295+/-773.827 χ^2/NDF:0.9/3

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

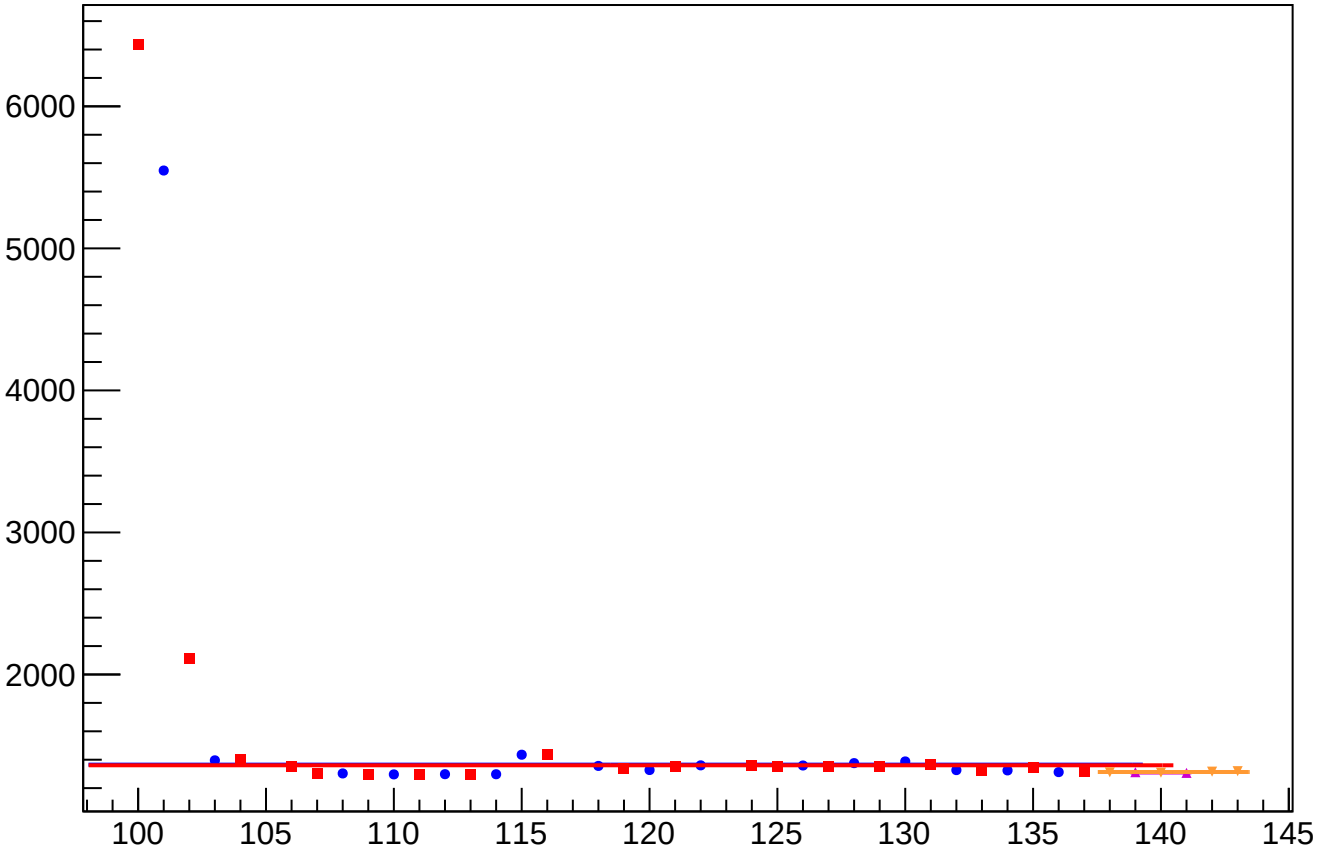
Left In: 1537.642+/-995.287 χ^2/NDF:1.5/1

\+ sign 202.335+/-432.266 χ^2/NDF: 22.7/19

All: 340.008+/-312.540 χ^2/NDF: 35.7/40

\- sign 490.817+/-452.419 χ^2/NDF: 12.9/20

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.492+/-0.547 χ^2/NDF:56.8/3

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

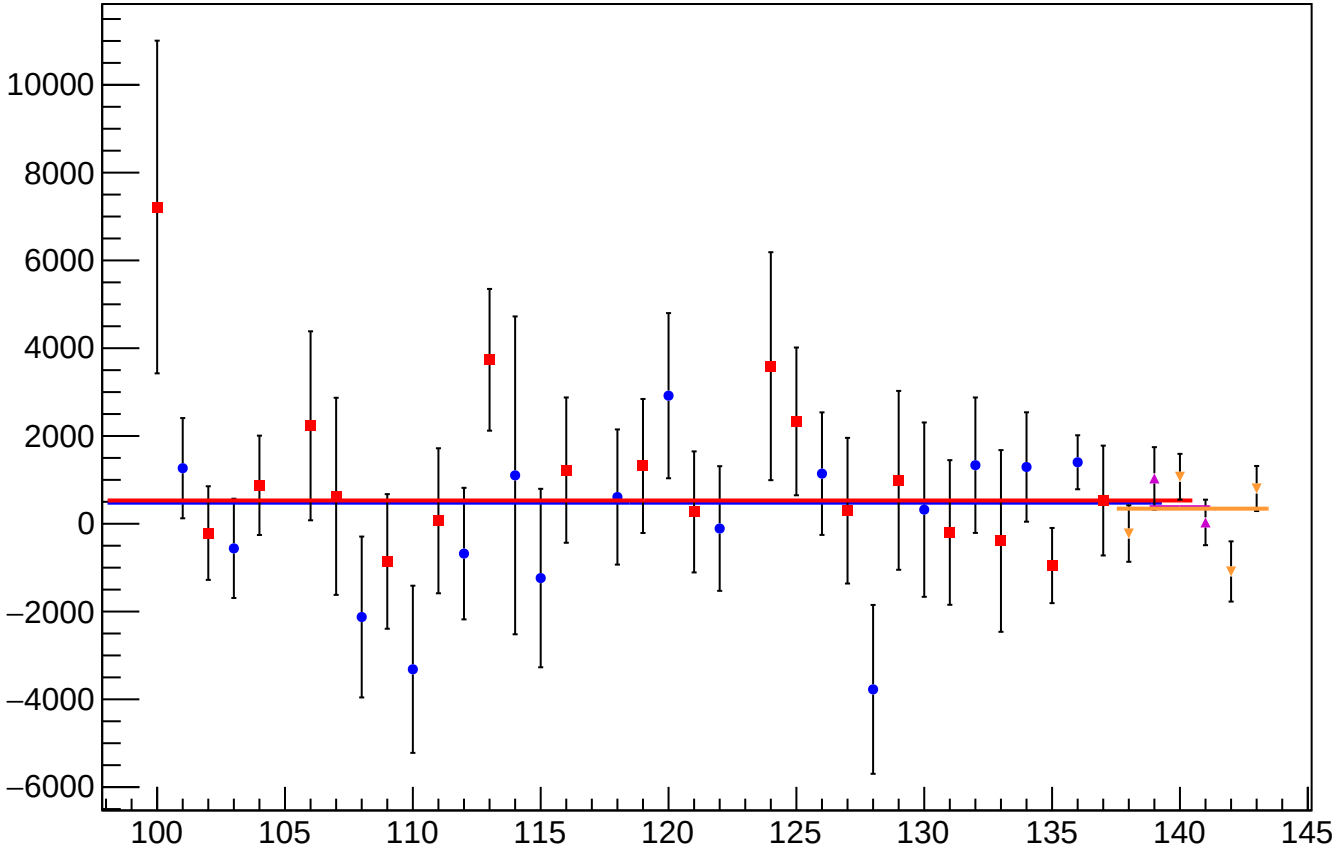
Left In: 1309.775+/-0.704 χ^2/NDF:11.7/1

+ sign 1349.135+/-0.306 χ^2/NDF: 765169.2/19

All: 1349.659+/-0.221 χ^2/NDF: 974667.8/40

- sign 1350.234+/-0.320 χ^2/NDF: 209492.4/20

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 344.161+/-288.616 χ^2/NDF:7.9/3

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

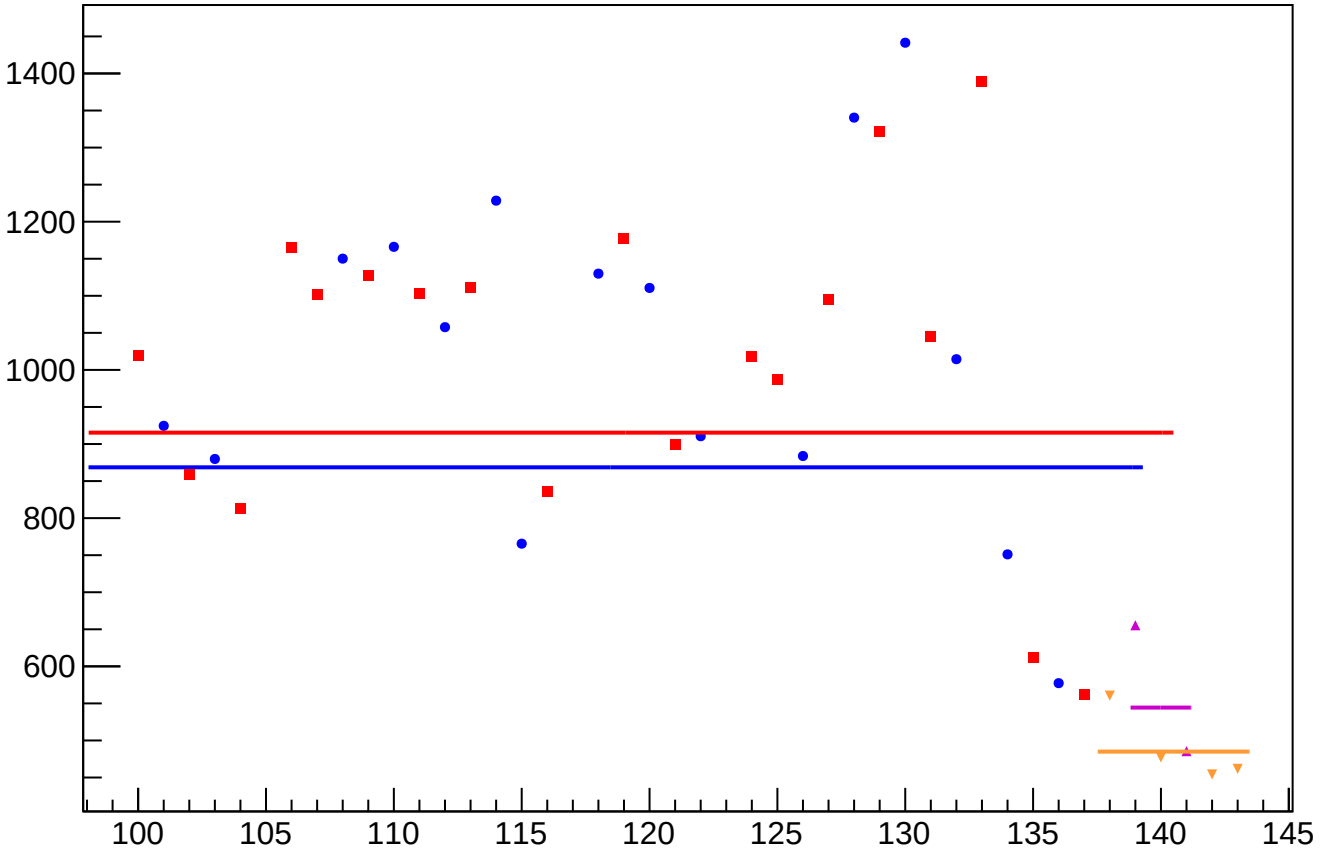
Left In: 377.589+/-419.248 χ^2/NDF:1.3/1

\+ sign 401.902+/-219.079 χ^2/NDF: 26.6/19

All: 428.728+/-169.339 χ^2/NDF: 43.6/40

\- sign 468.545+/-266.905 χ^2/NDF: 17.0/20

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 484.945+/-0.204 χ^2/NDF:36177.3/3

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

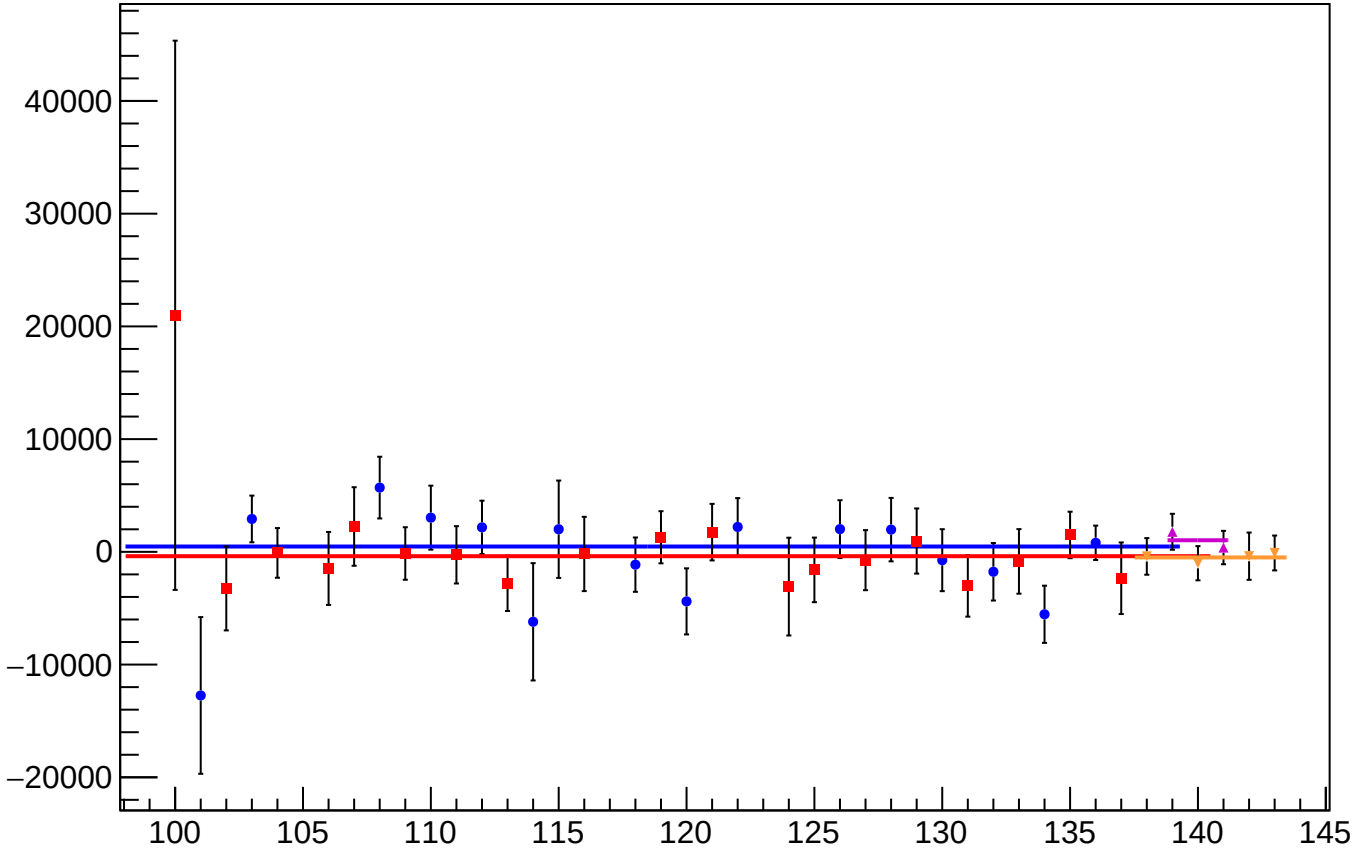
Left In: 544.371+/-0.296 χ^2/NDF:74350.5/1

+ sign 647.532+/-0.155 χ^2/NDF: 2555065.9/19

All: 694.816+/-0.120 χ^2/NDF: 4651110.3/40

- sign 764.999+/-0.189 χ^2/NDF: 1864594.1/20

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -494.780+/-827.751 χ^2/NDF:0.2/3

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

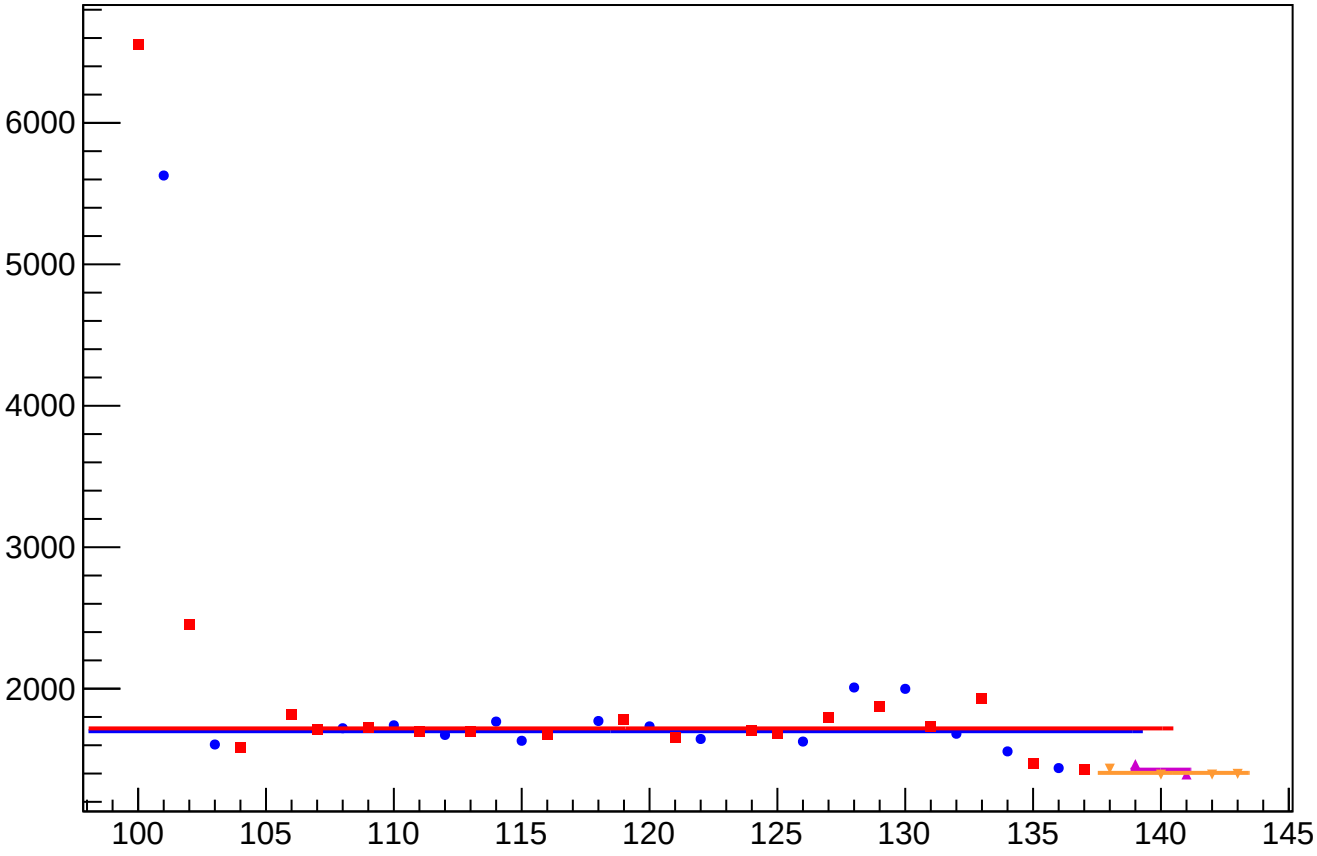
Left In: 1029.582+/-1085.155 χ^2/NDF:0.4/1

+ sign 104.697+/-510.851 χ^2/NDF: 23.7/19

All: 48.110+/-375.099 χ^2/NDF: 32.7/40

- sign -18.090+/-552.539 χ^2/NDF: 8.9/20

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1404.757+/-0.585 χ^2/NDF:907.5/3

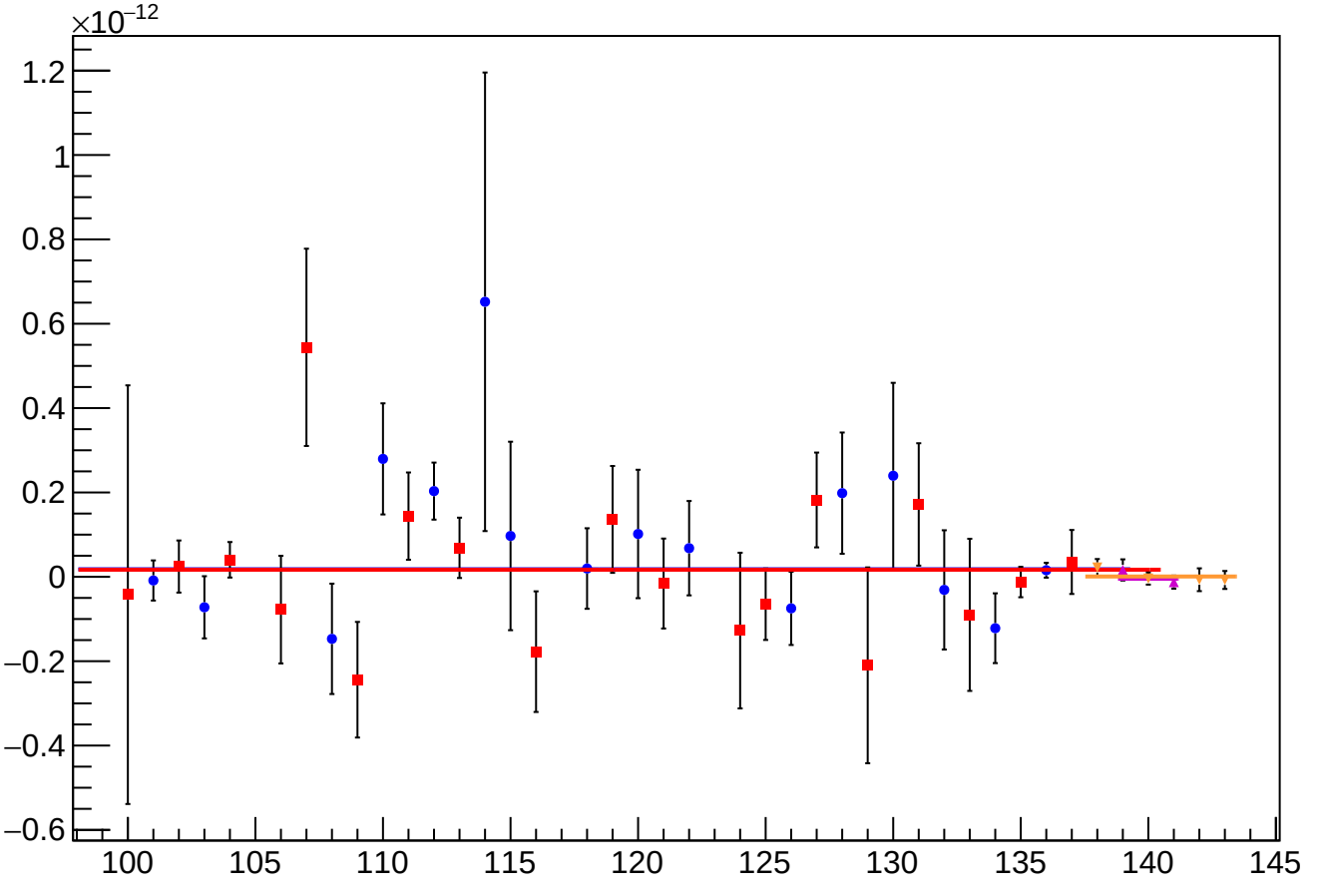
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1427.513+/-0.767 χ^2/NDF:2249.5/1

+ sign 1587.132+/-0.361 χ^2/NDF: 919821.2/19

All: 1613.112+/-0.265 χ^2/NDF: 1274014.2/40

- sign 1643.504+/-0.391 χ^2/NDF: 342969.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/3

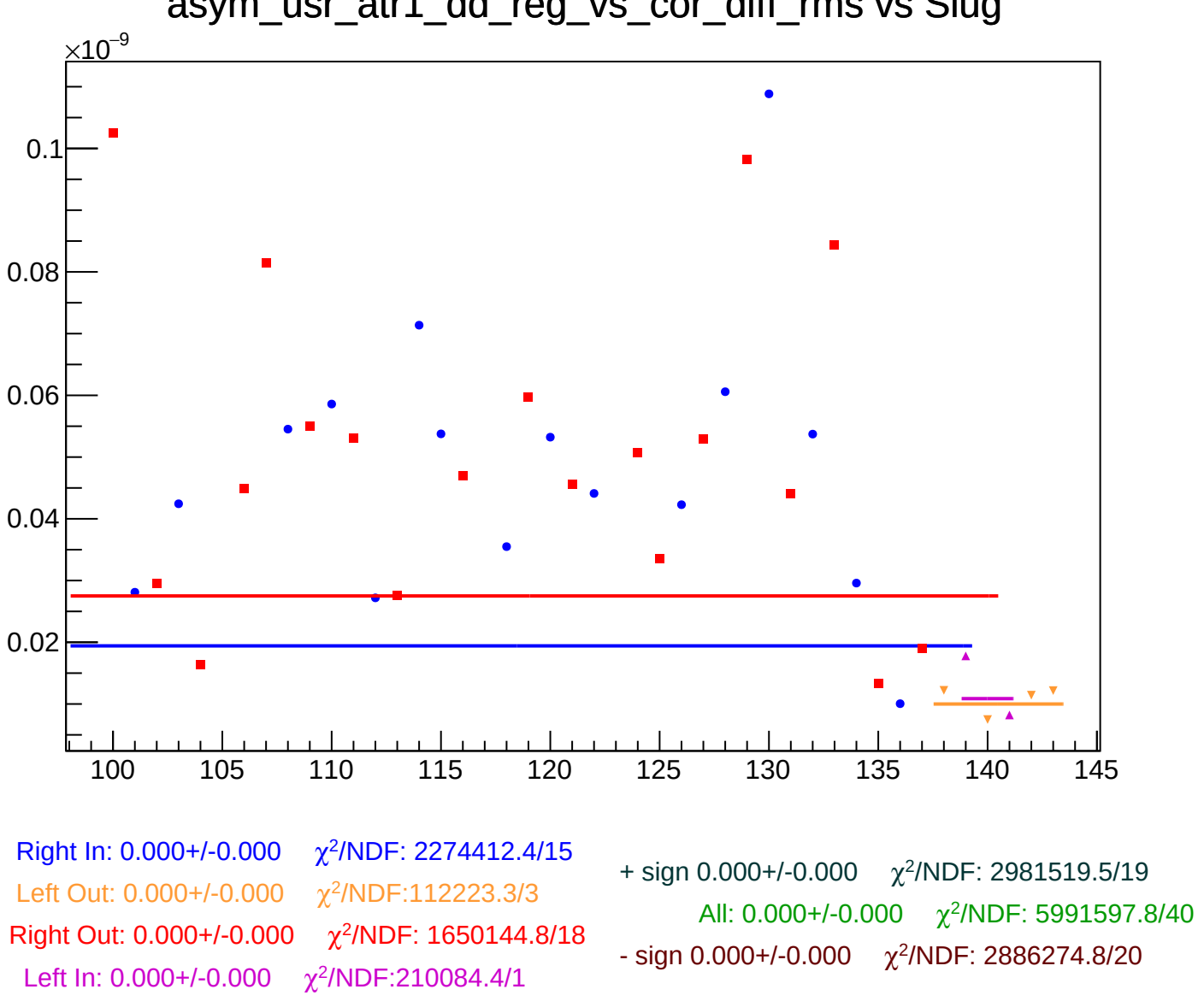
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

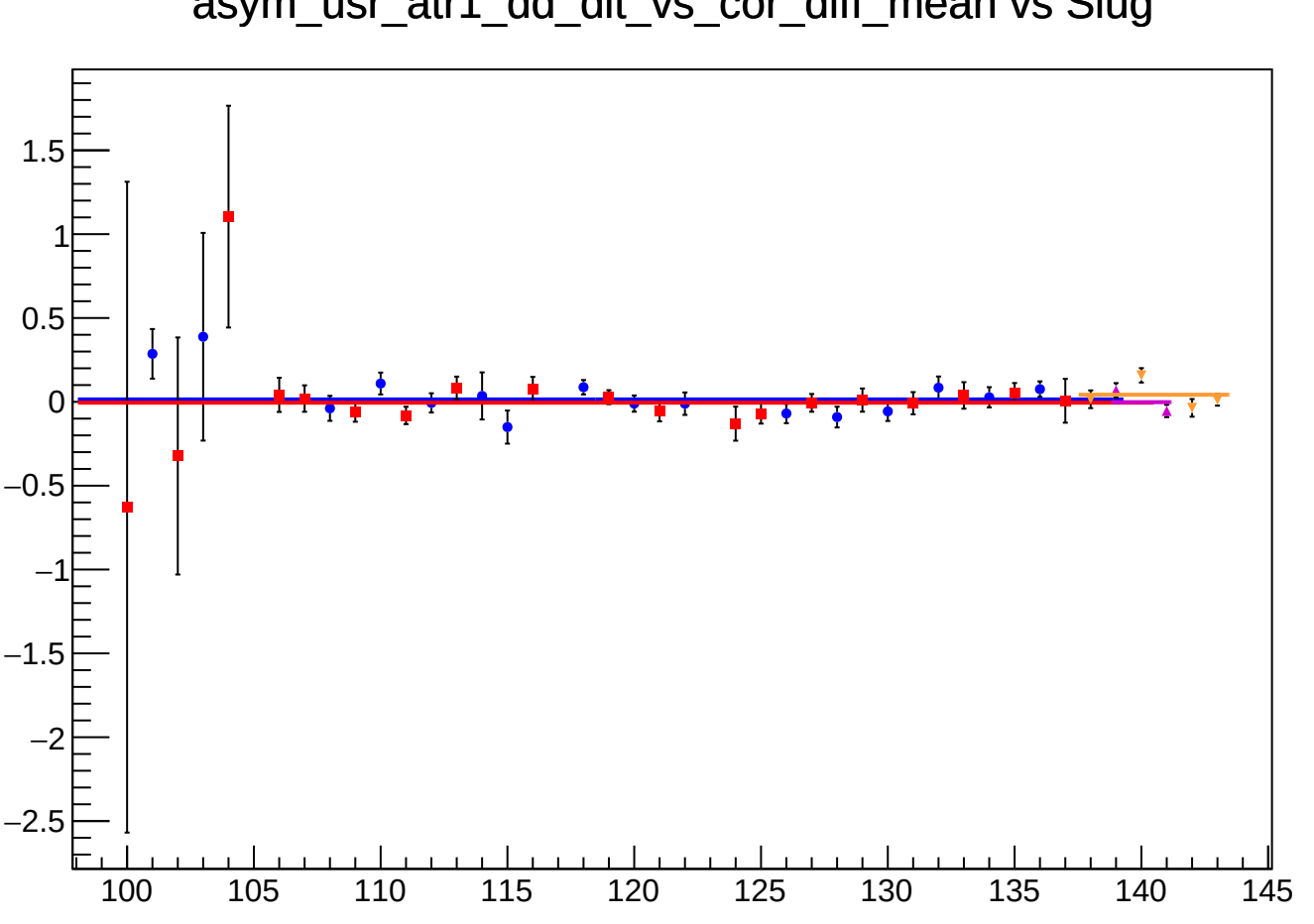
Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/19

All: 0.000+/-0.000 χ^2/NDF: 49.2/40

- sign 0.000+/-0.000 χ^2/NDF: 23.1/20


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:112223.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 1650144.8/18
Left In: 0.000+/-0.000 χ²/NDF:210084.4/1
+ sign 0.000+/-0.000 χ²/NDF: 2981519.5/19
All: 0.000+/-0.000 χ²/NDF: 5991597.8/40
- sign 0.000+/-0.000 χ²/NDF: 2886274.8/20



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.042+/-0.022 χ^2/NDF:10.5/3

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

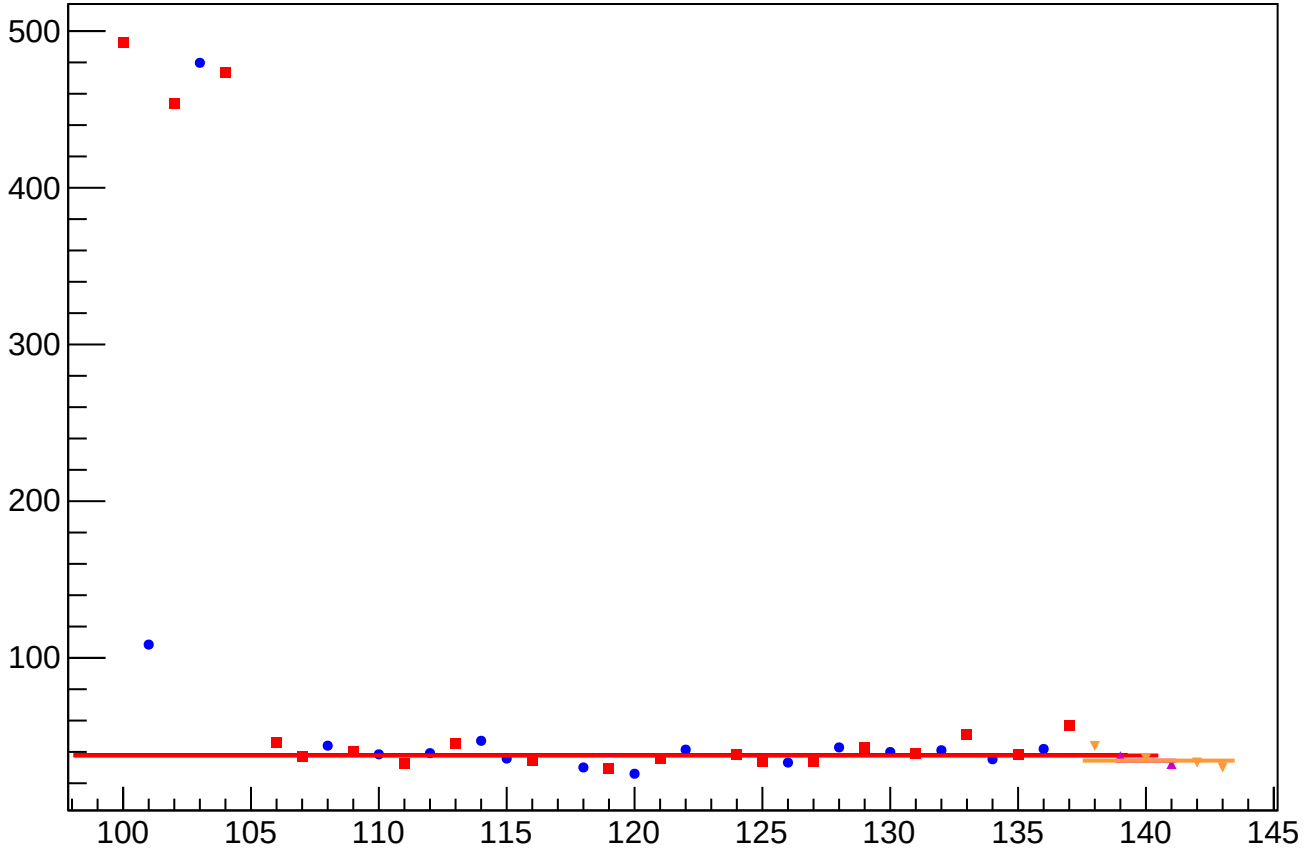
Left In: -0.002+/-0.028 χ^2/NDF:4.7/1

+ sign 0.024+/-0.013 χ^2/NDF: 33.6/19

All: 0.011+/-0.009 χ^2/NDF: 55.4/40

- sign -0.004+/-0.014 χ^2/NDF: 19.6/20

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: 34.451+/-0.016 χ^2/NDF:97930.5/3

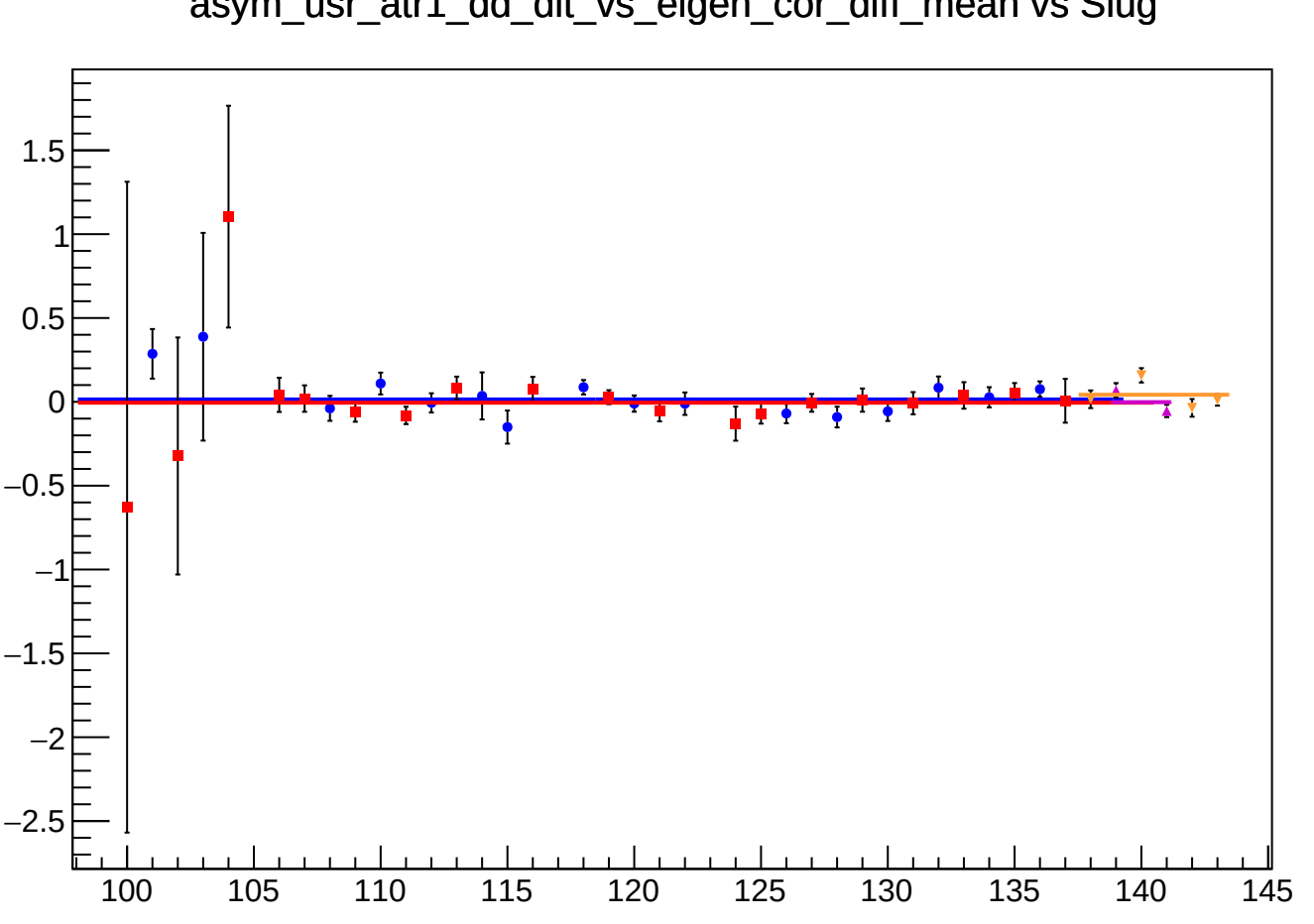
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.414+/-0.020 χ^2/NDF:15191.9/1

+ sign 36.737+/-0.009 χ^2/NDF: 1870762.8/19

All: 36.806+/-0.007 χ^2/NDF: 3851579.7/40

- sign 36.887+/-0.010 χ^2/NDF: 1980692.1/20



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.042+/-0.022 χ^2/NDF:10.5/3

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

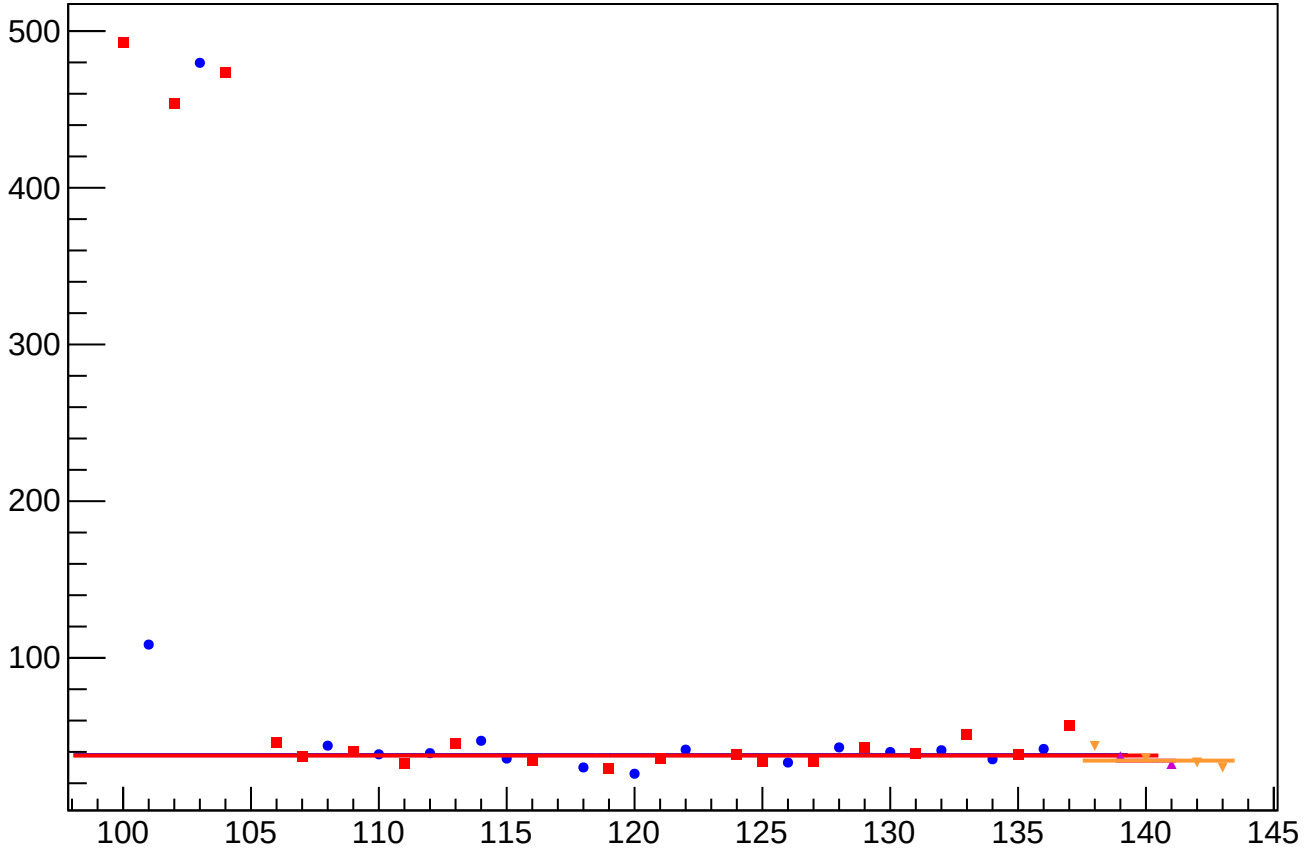
Left In: -0.002+/-0.028 χ^2/NDF:4.7/1

+ sign 0.024+/-0.013 χ^2/NDF: 33.6/19

All: 0.011+/-0.009 χ^2/NDF: 55.4/40

- sign -0.004+/-0.014 χ^2/NDF: 19.6/20

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: 34.451+/-0.016 χ^2/NDF:97930.5/3

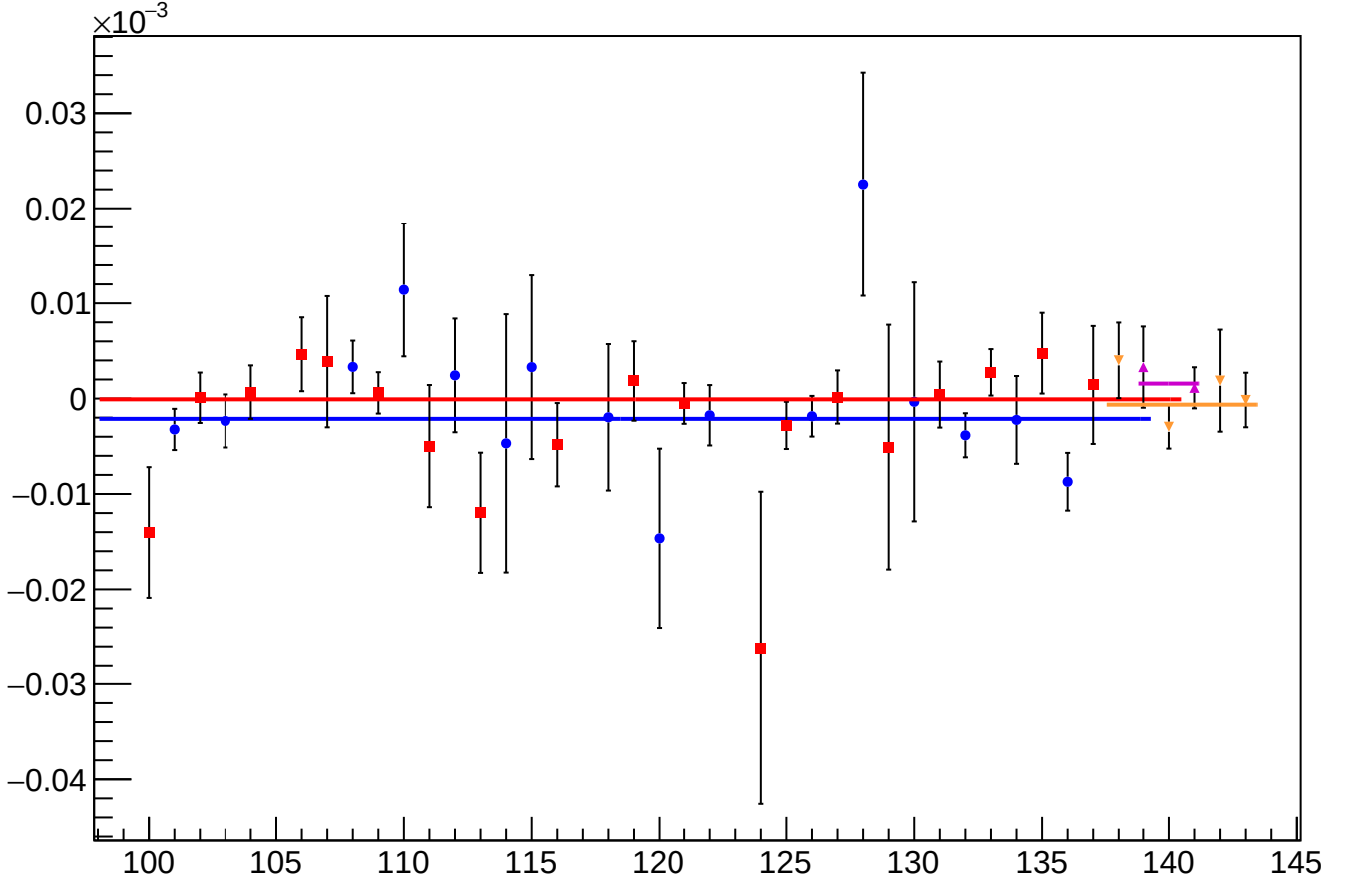
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.414+/-0.020 χ^2/NDF:15191.9/1

\+ sign 36.737+/-0.009 χ^2/NDF: 1870762.8/19

All: 36.806+/-0.007 χ^2/NDF: 3851579.7/40

\- sign 36.887+/-0.010 χ^2/NDF: 1980692.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/3

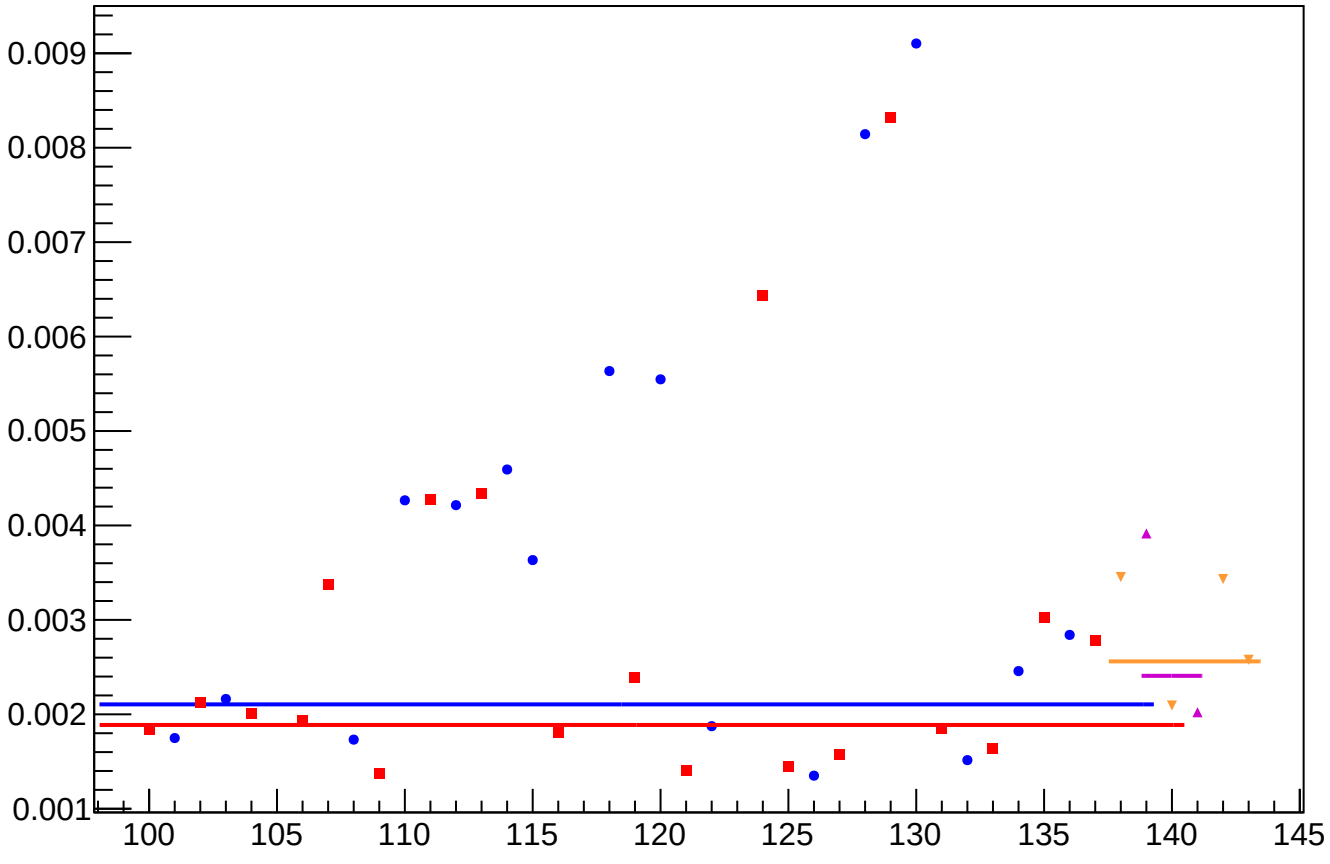
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/19

All: -0.000+/-0.000 χ^2/NDF: 46.2/40

- sign 0.000+/-0.000 χ^2/NDF: 19.2/20



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:237861.2/3

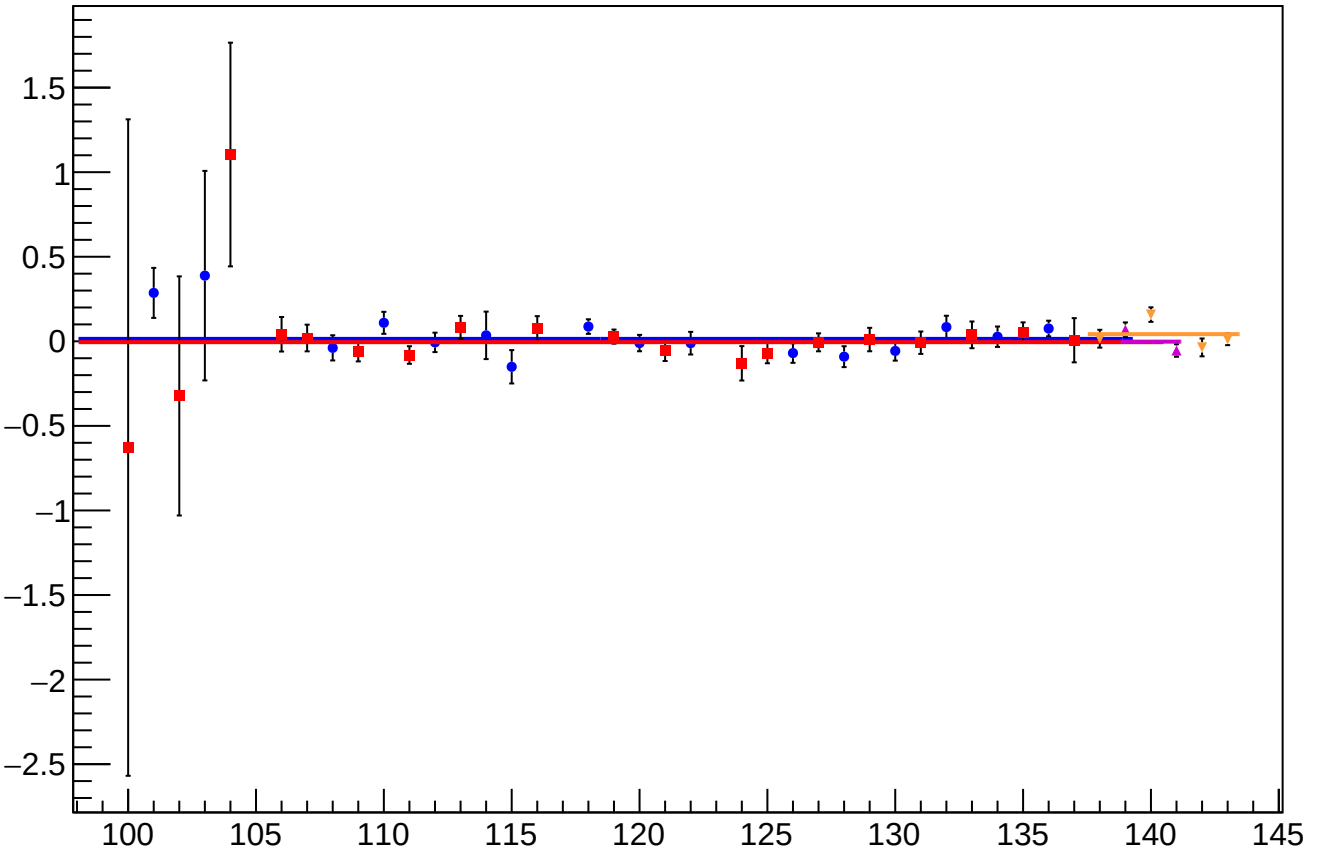
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:314422.3/1

+ sign 0.002+/-0.000 χ^2/NDF: 3383722.1/19

All: 0.002+/-0.000 χ^2/NDF: 5831044.1/40

- sign 0.002+/-0.000 χ^2/NDF: 2331802.6/20



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.042+/-0.022 χ^2/NDF:10.5/3

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

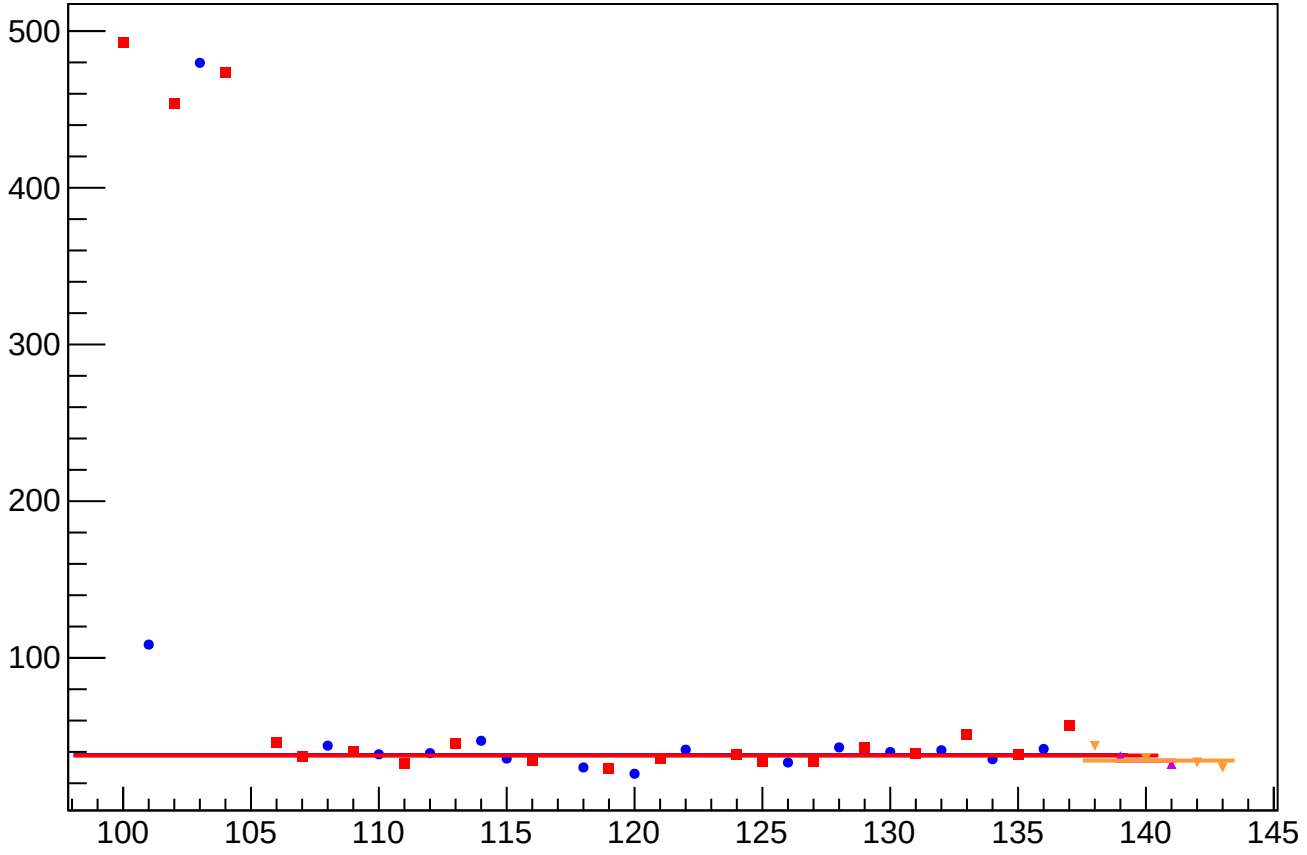
Left In: -0.002+/-0.028 χ^2/NDF:4.7/1

+ sign 0.024+/-0.013 χ^2/NDF: 33.6/19

All: 0.011+/-0.009 χ^2/NDF: 55.4/40

- sign -0.004+/-0.014 χ^2/NDF: 19.6/20

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.451+/-0.016 χ^2/NDF:97956.6/3

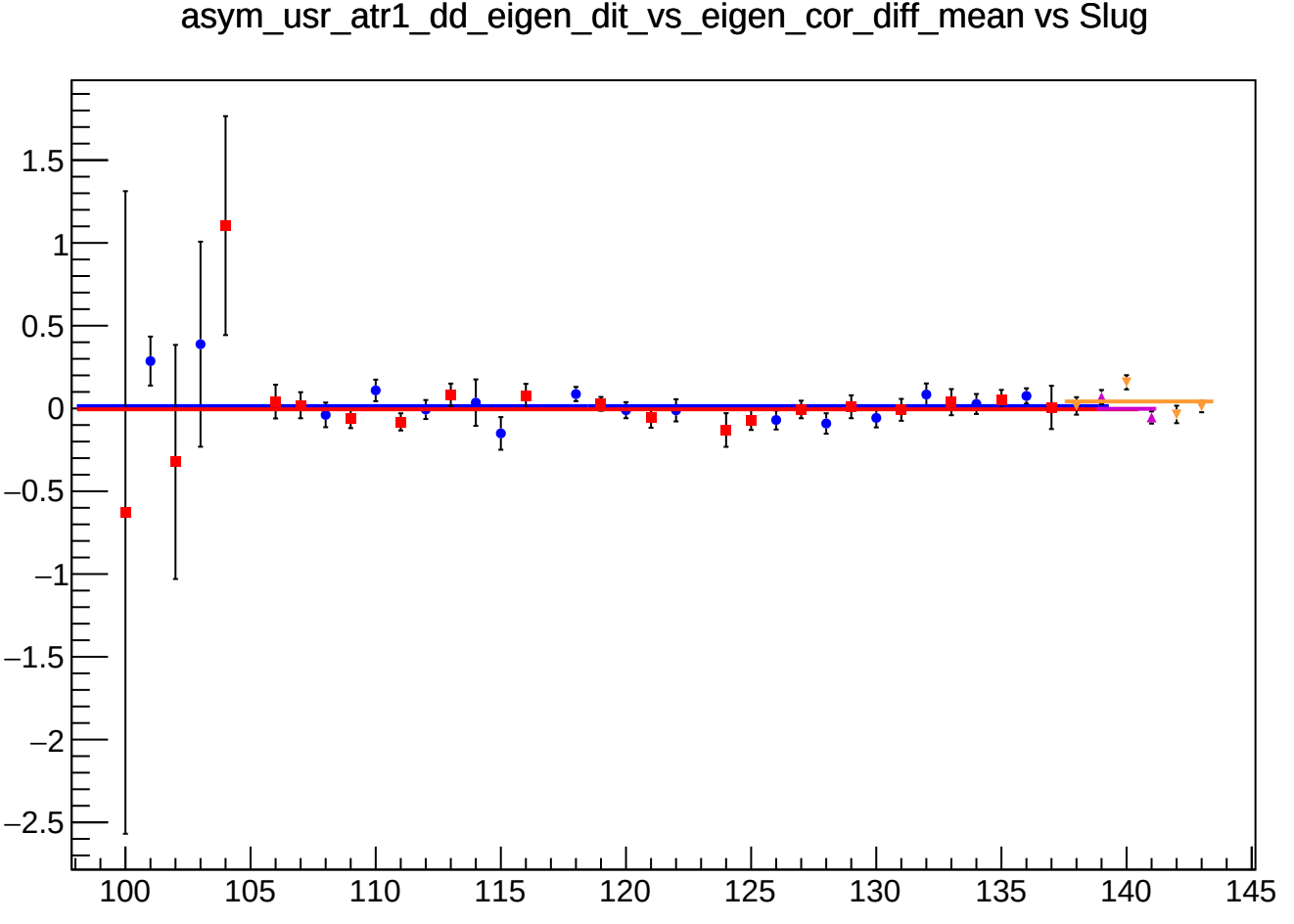
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.413+/-0.020 χ^2/NDF:15191.6/1

+ sign 36.736+/-0.009 χ^2/NDF: 1870796.8/19

All: 36.805+/-0.007 χ^2/NDF: 3851682.8/40

- sign 36.886+/-0.010 χ^2/NDF: 1980762.2/20



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.042+/-0.022 χ^2/NDF:10.5/3

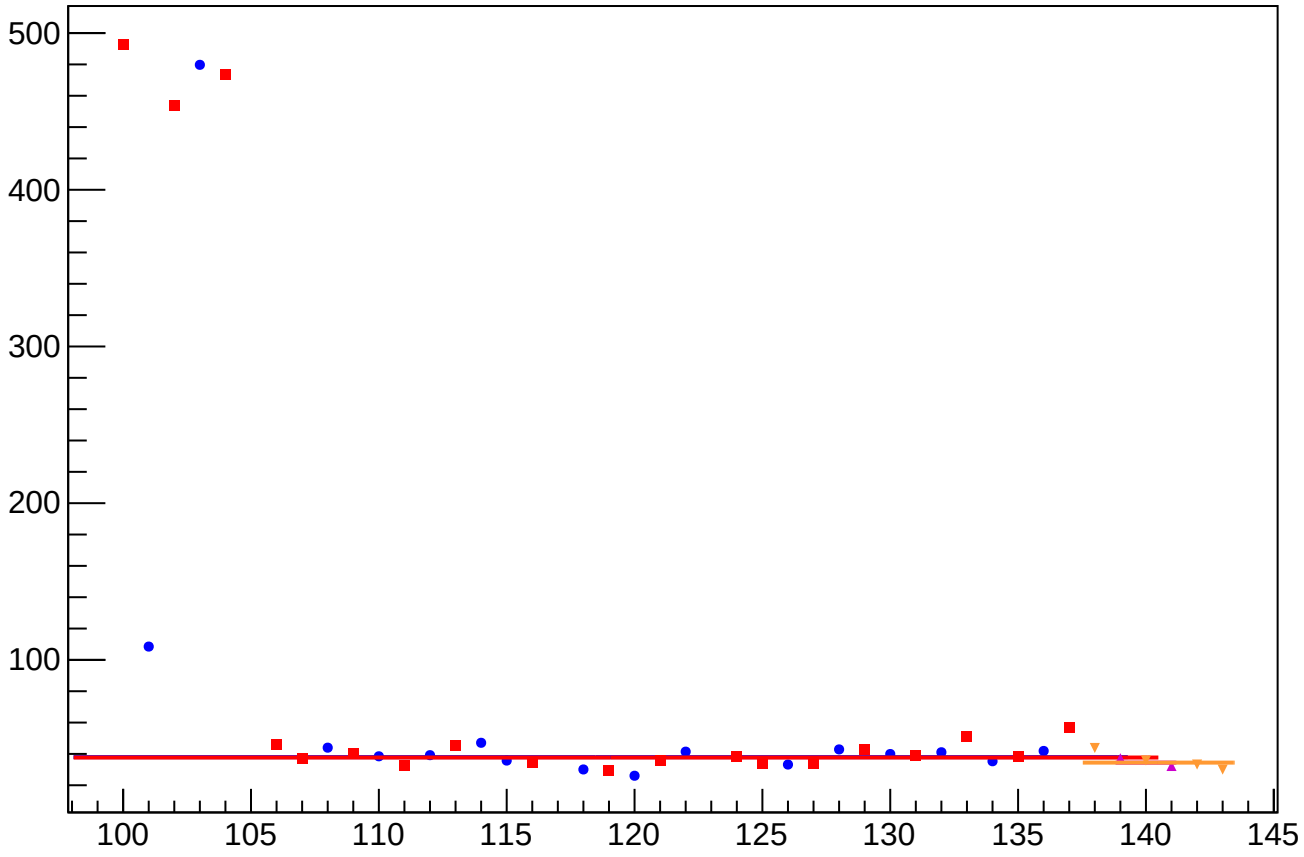
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.002+/-0.028 χ^2/NDF:4.7/1

+ sign 0.024+/-0.013 χ^2/NDF: 33.6/19

All: 0.011+/-0.009 χ^2/NDF: 55.4/40

- sign -0.004+/-0.014 χ^2/NDF: 19.6/20



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.451+/-0.016 χ^2/NDF:97956.6/3

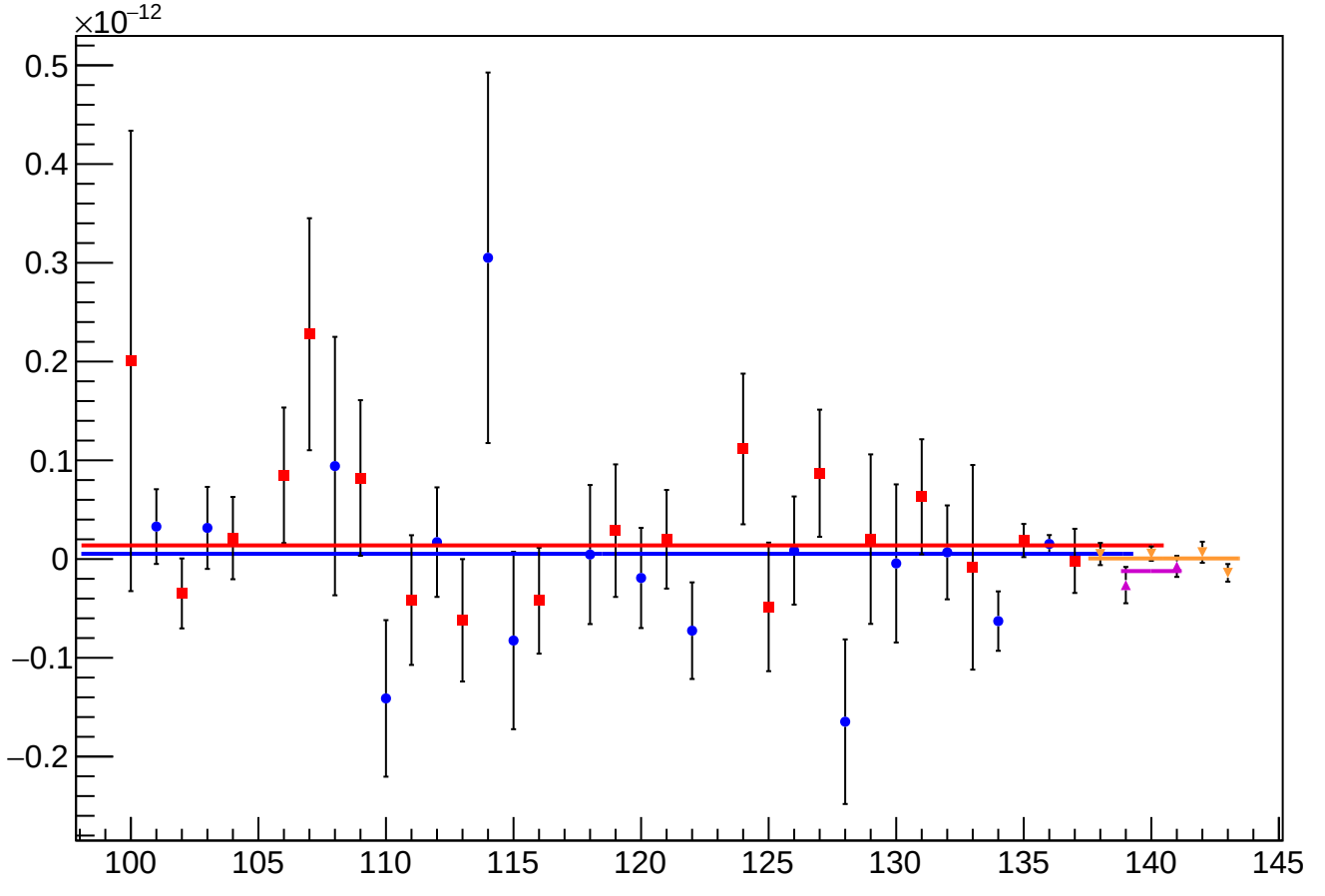
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.413+/-0.020 χ^2/NDF:15191.6/1

+ sign 36.736+/-0.009 χ^2/NDF: 1870796.8/19

All: 36.805+/-0.007 χ^2/NDF: 3851682.8/40

- sign 36.886+/-0.010 χ^2/NDF: 1980762.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/3

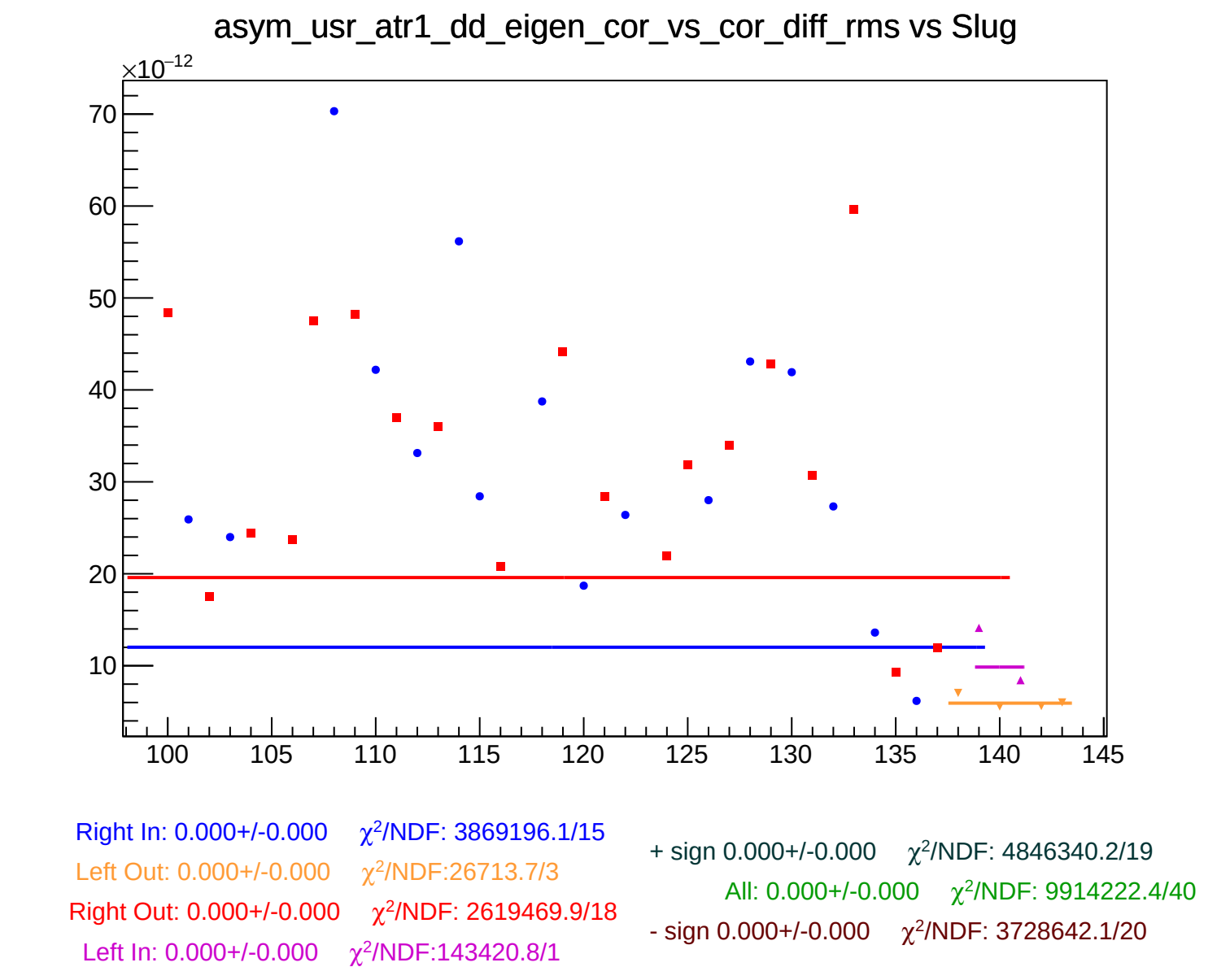
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 25.6/19

All: 0.000+/-0.000 χ^2/NDF: 45.9/40

- sign -0.000+/-0.000 χ^2/NDF: 20.2/20


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
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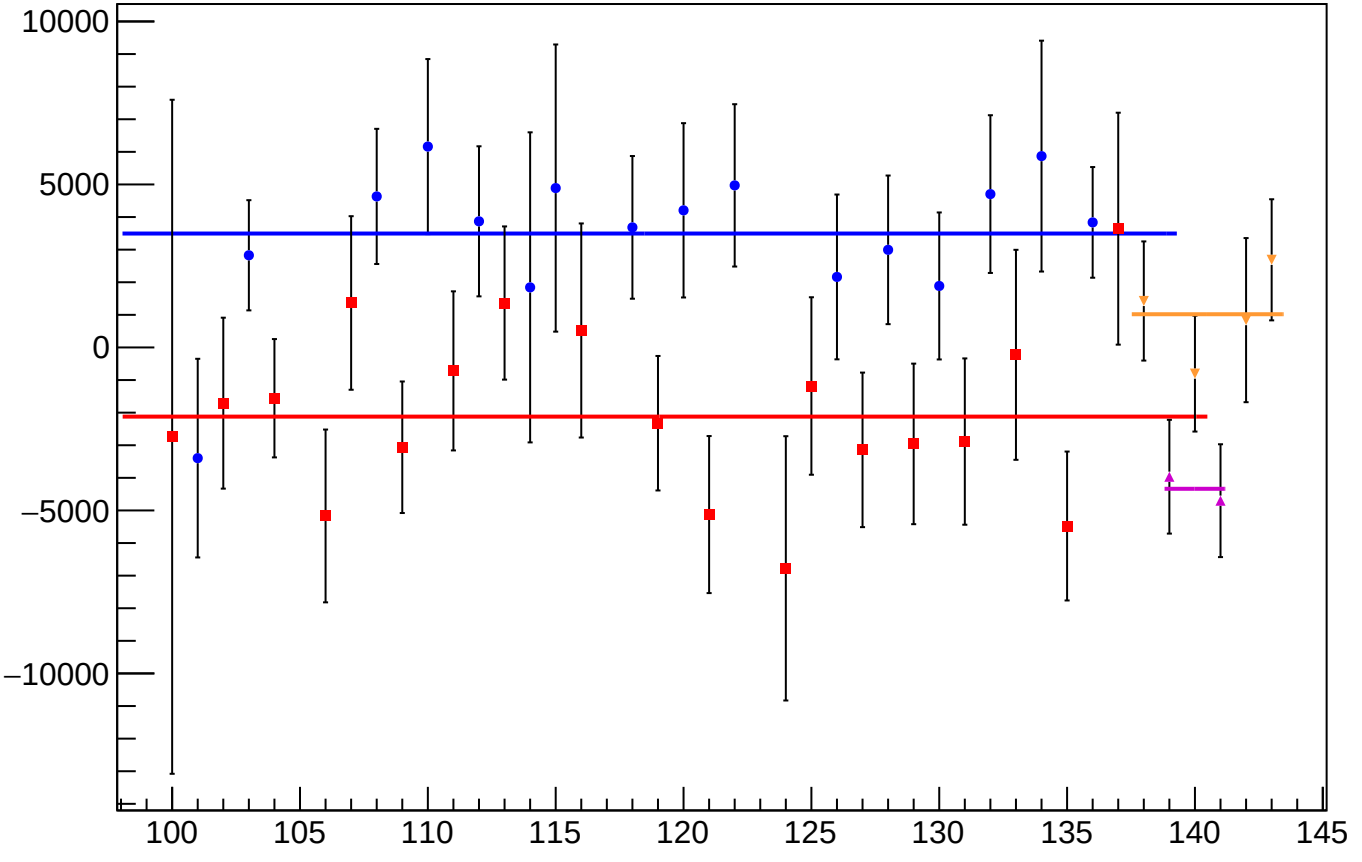
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:26713.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:143420.8/1
+ sign 0.000+/-0.000 χ²/NDF: 4846340.2/19
All: 0.000+/-0.000 χ²/NDF: 9914222.4/40
- sign 0.000+/-0.000 χ²/NDF: 3728642.1/20

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.966+/-969.642 χ^2/NDF:1.9/3

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

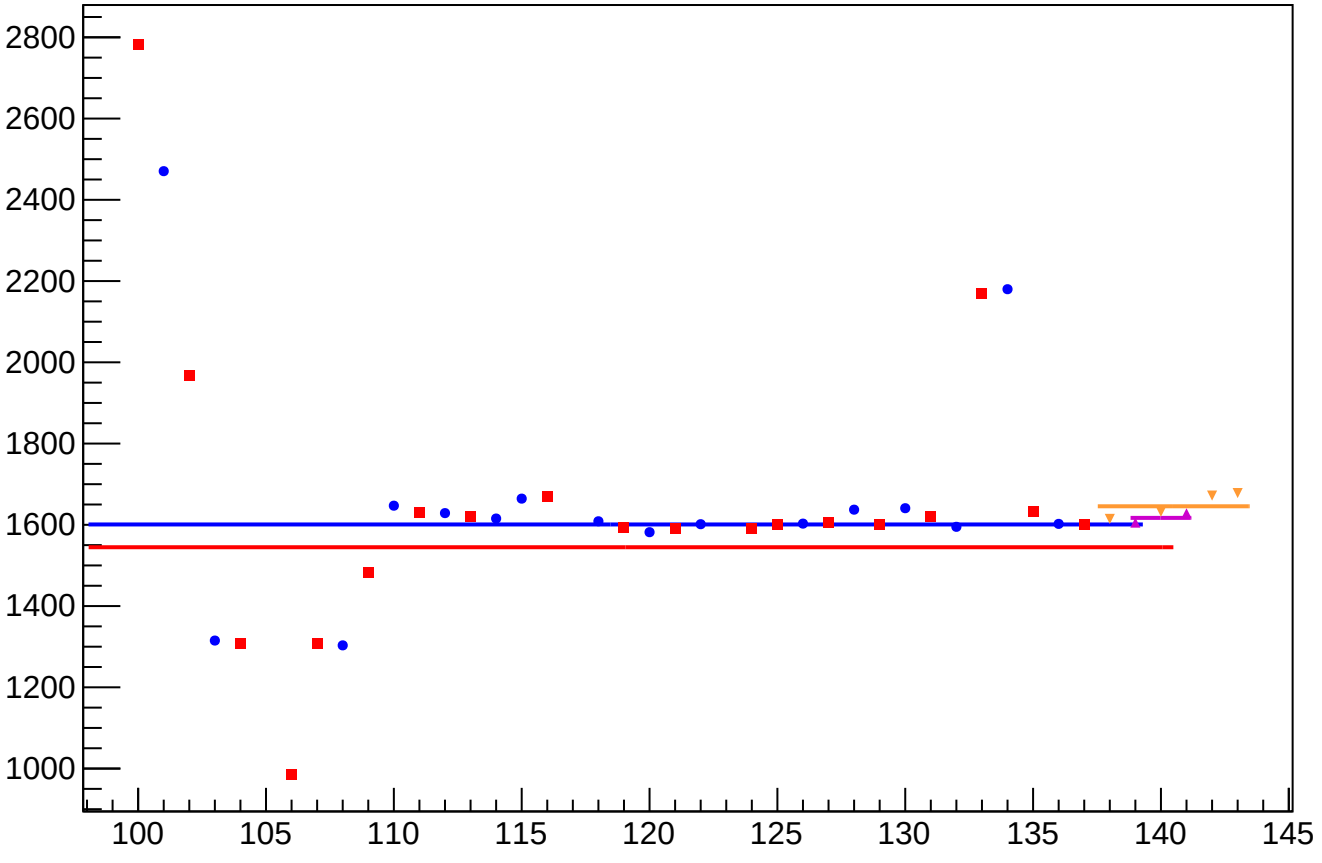
Left In: -4336.023+/-1228.887 χ^2/NDF:0.1/1

+ sign 2807.031+/-510.947 χ^2/NDF: 15.4/19

All: 234.987+/-367.888 χ^2/NDF: 85.9/40

- sign -2533.791+/-530.128 χ^2/NDF: 17.8/20

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1645.619+/-0.686 χ^2/NDF:1525.2/3

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

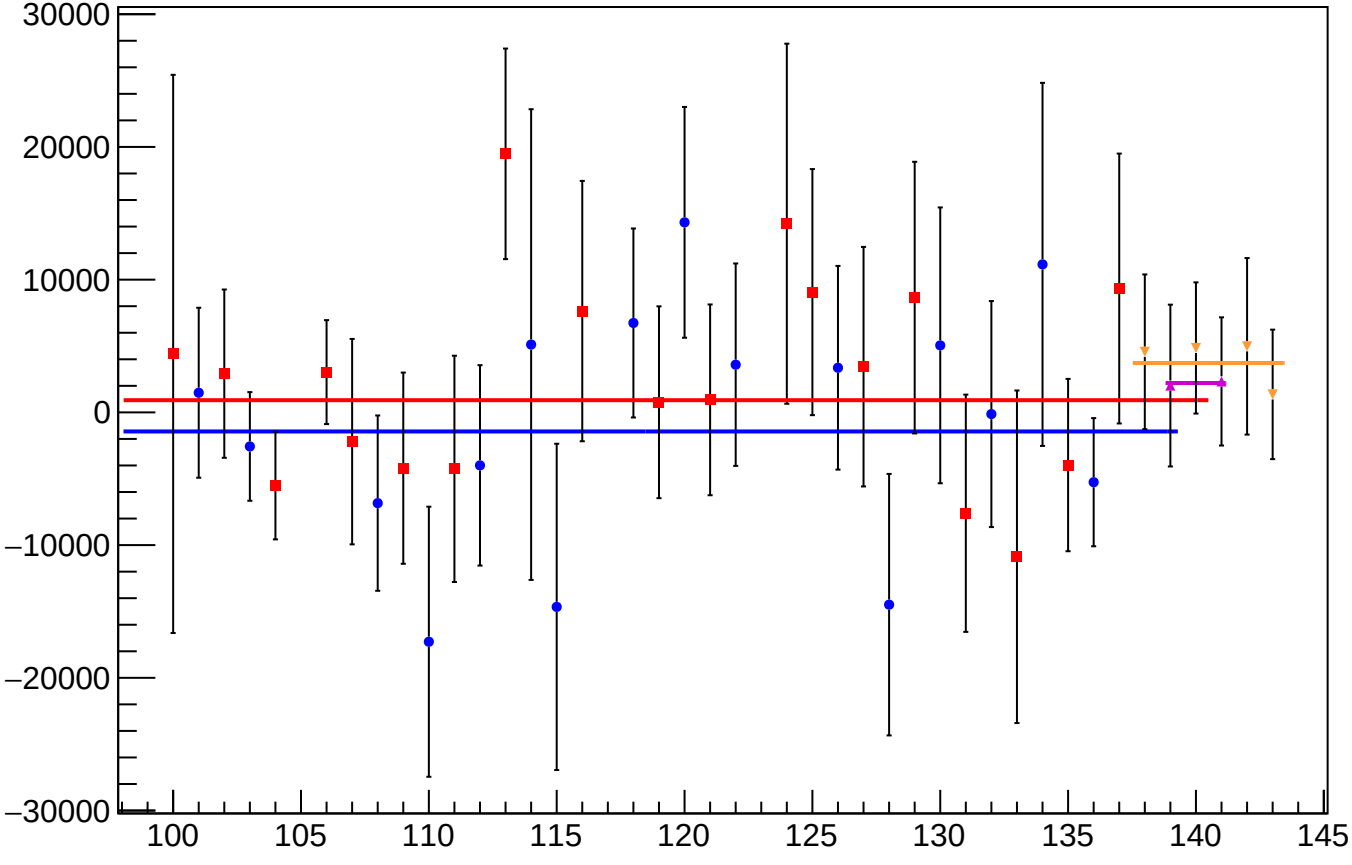
Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

+ sign 1613.303+/-0.361 χ^2/NDF: 322014.8/19

All: 1586.237+/-0.258 χ^2/NDF: 715467.9/40

- sign 1557.890+/-0.370 χ^2/NDF: 381963.3/20

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 3722.381+/-2721.620 χ^2/NDF:0.3/3

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

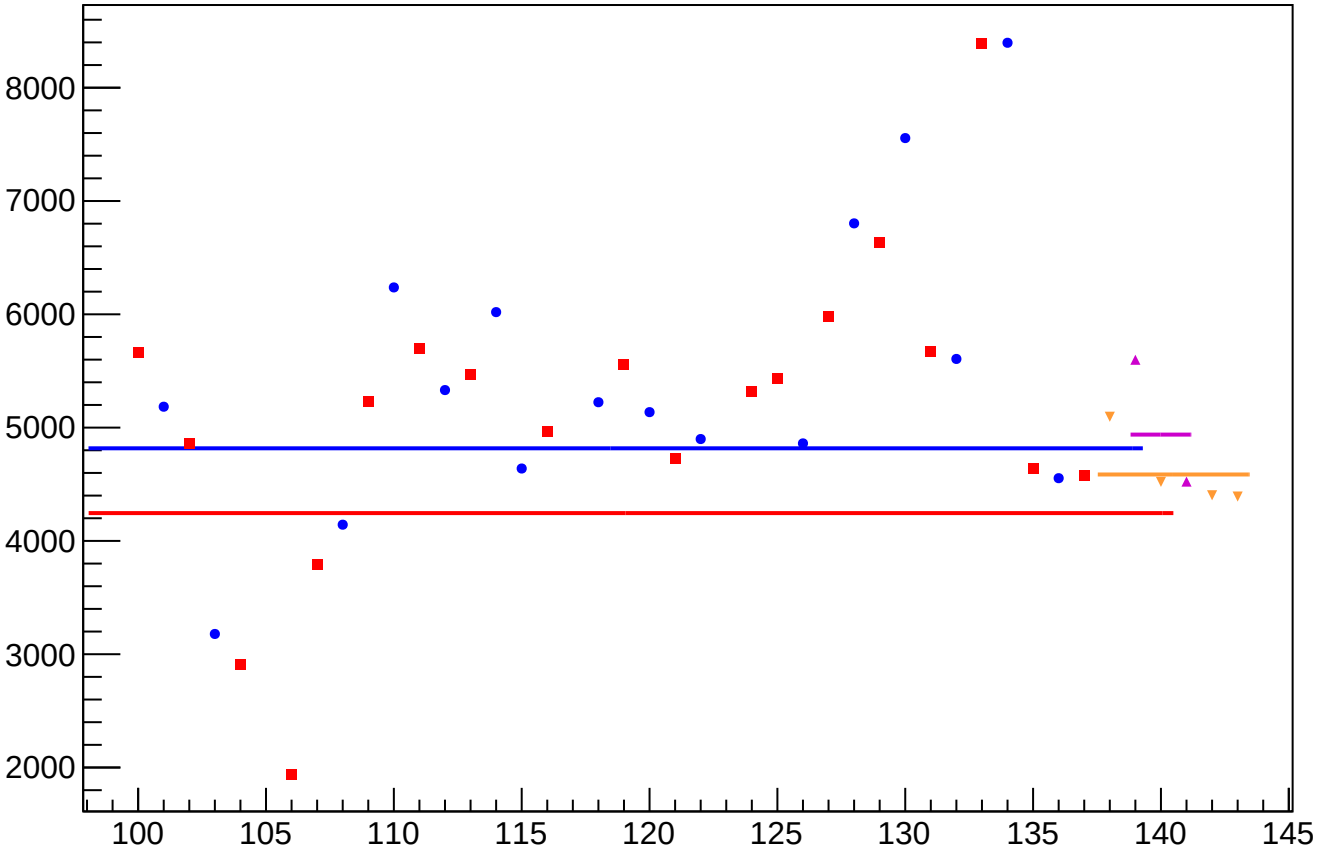
Left In: 2212.211+/-3785.032 χ^2/NDF:0.0/1

+ sign 191.366+/-1529.028 χ^2/NDF: 16.7/19

All: 660.772+/-1080.589 χ^2/NDF: 32.3/40

- sign 1129.142+/-1527.340 χ^2/NDF: 15.4/20

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4586.280+/-1.924 χ^2/NDF:20350.6/3

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

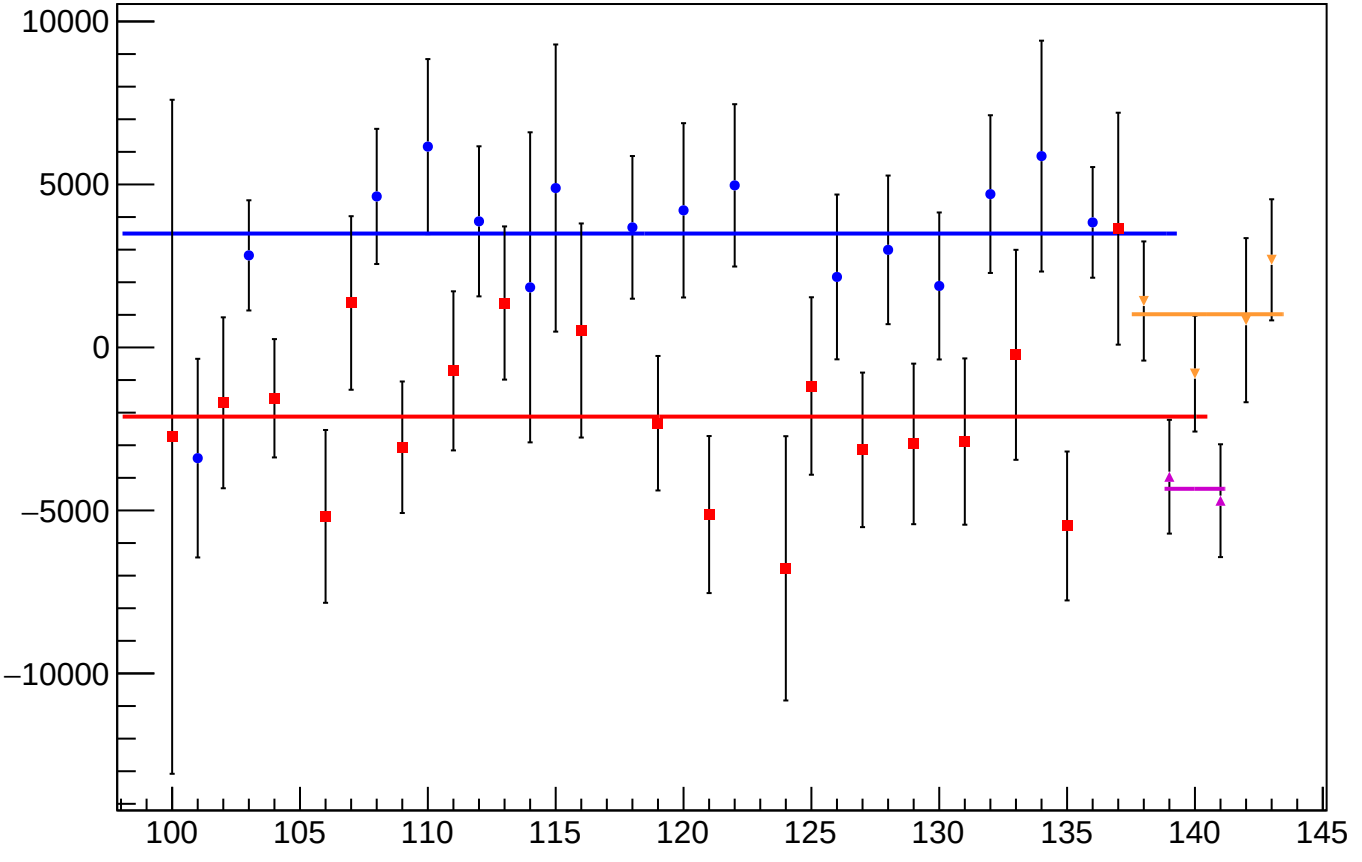
Left In: 4938.326+/-2.676 χ^2/NDF:38248.2/1

\+ sign 4744.414+/-1.081 χ^2/NDF: 825647.5/19

All: 4551.164+/-0.764 χ^2/NDF: 2666972.9/40

\- sign 4358.340+/-1.080 χ^2/NDF: 1777500.8/20

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.815+/-969.642 χ^2/NDF:1.9/3

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

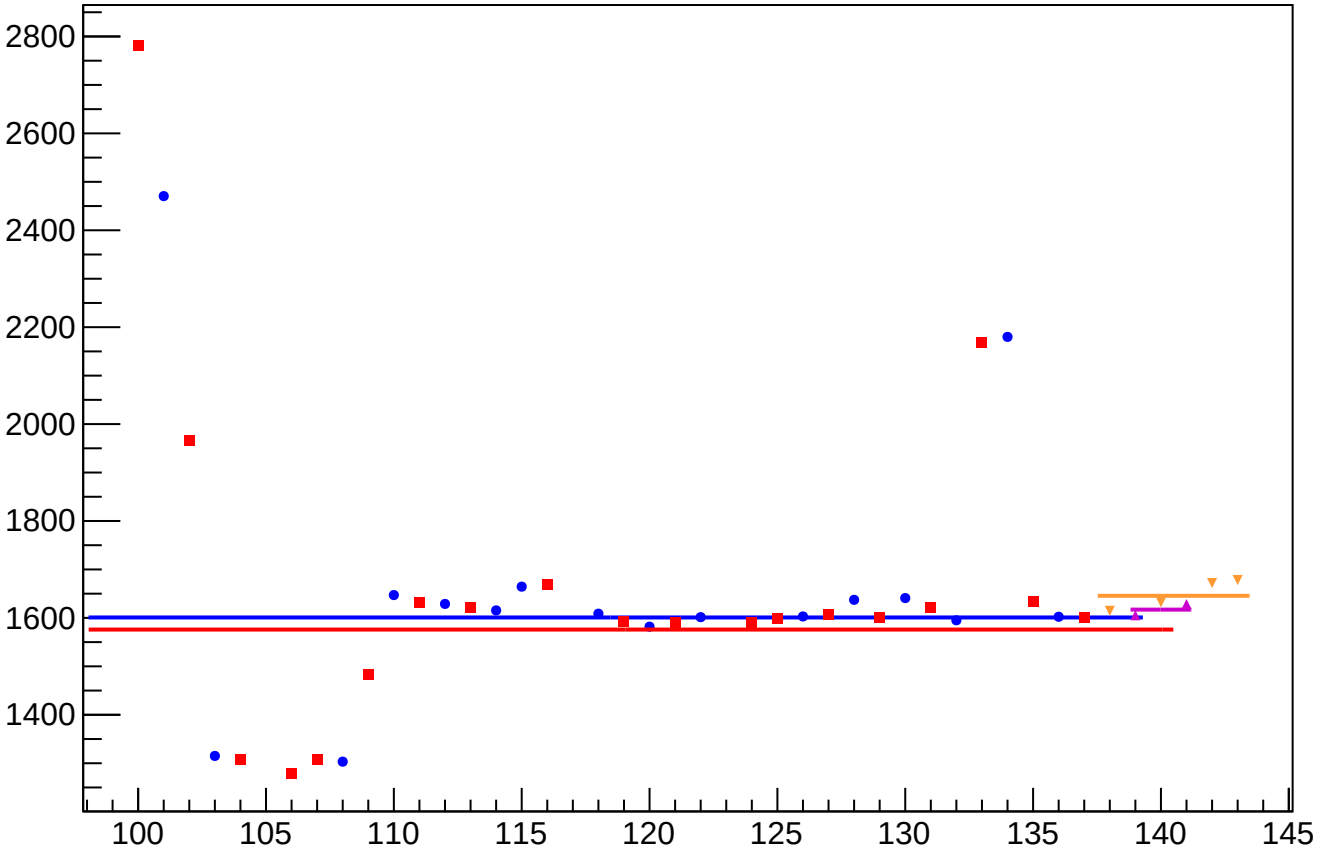
Left In: -4336.227+/-1228.887 χ^2/NDF:0.1/1

+ sign 2806.748+/-510.947 χ^2/NDF: 15.4/19

All: 234.834+/-367.889 χ^2/NDF: 85.9/40

- sign -2533.825+/-530.130 χ^2/NDF: 17.8/20

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1645.620+/-0.686 χ^2/NDF:1525.2/3

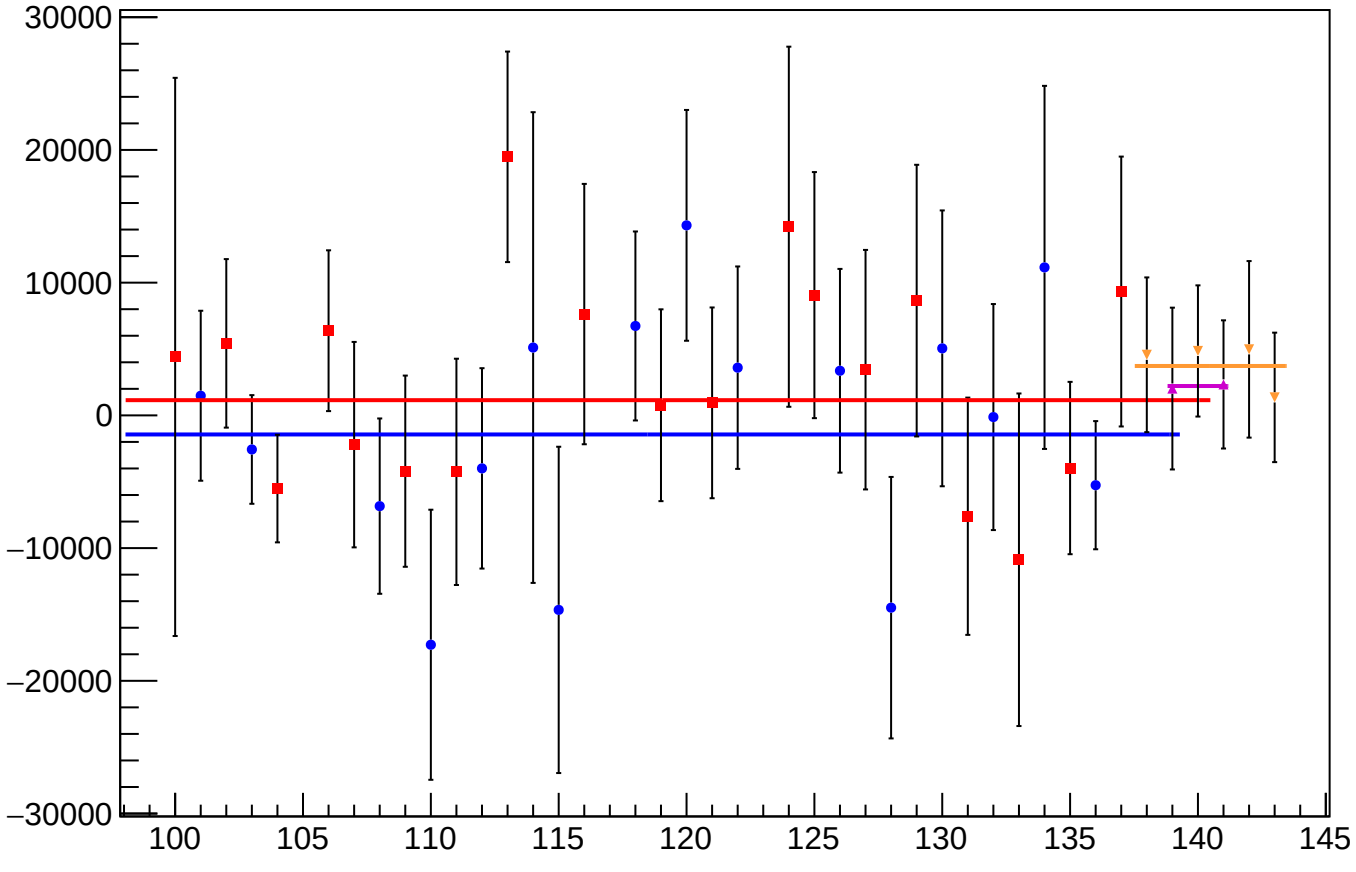
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

+ sign 1613.303+/-0.361 χ^2/NDF: 322013.9/19

All: 1598.907+/-0.260 χ^2/NDF: 570634.7/40

- sign 1583.510+/-0.374 χ^2/NDF: 245335.3/20



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3722.163+/-2721.608 χ^2/NDF:0.3/3

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

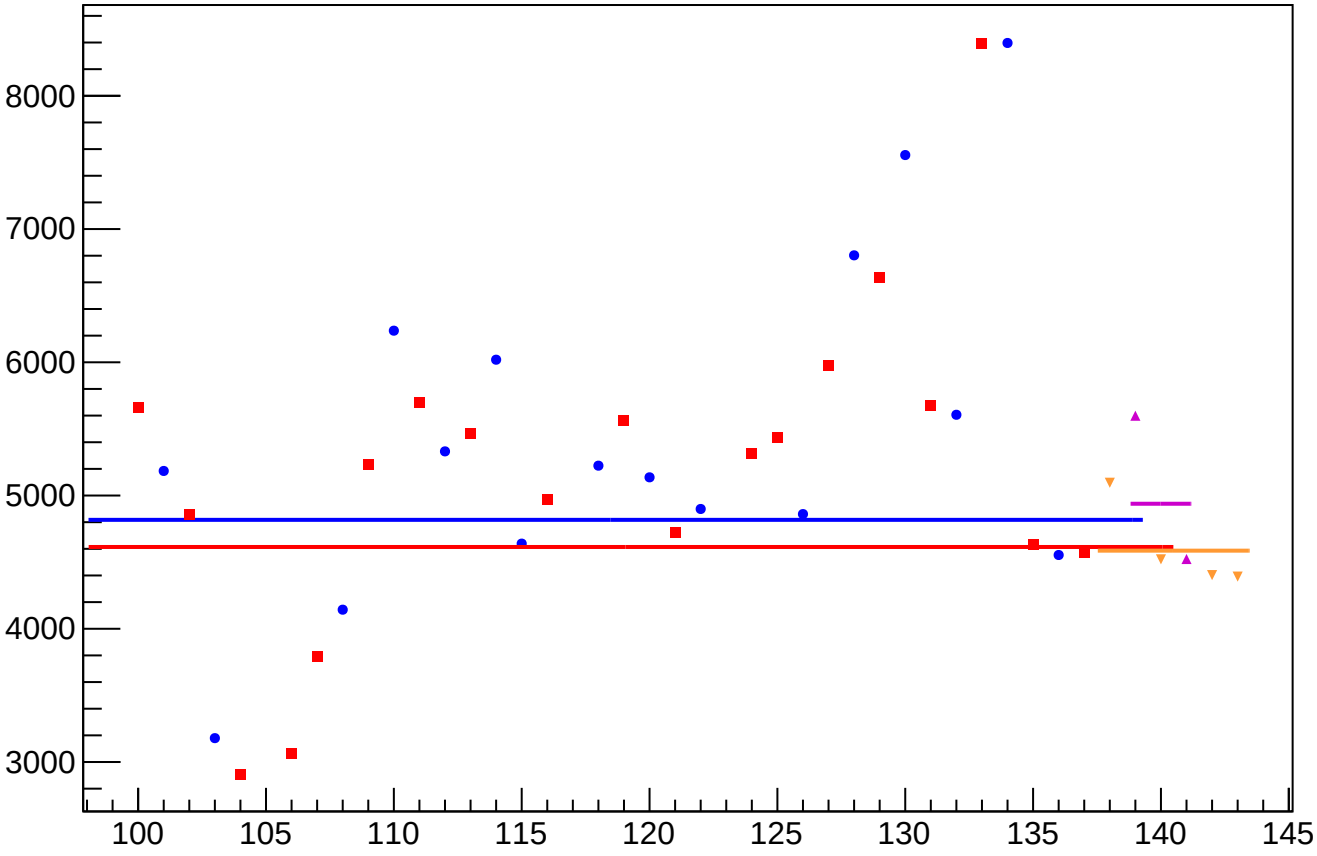
Left In: 2212.197+/-3785.027 χ^2/NDF:0.0/1

+ sign 191.185+/-1529.047 χ^2/NDF: 16.7/19

All: 737.983+/-1105.405 χ^2/NDF: 33.2/40

- sign 1336.643+/-1599.917 χ^2/NDF: 16.3/20

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4586.259+/-1.924 χ^2/NDF:20351.9/3

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

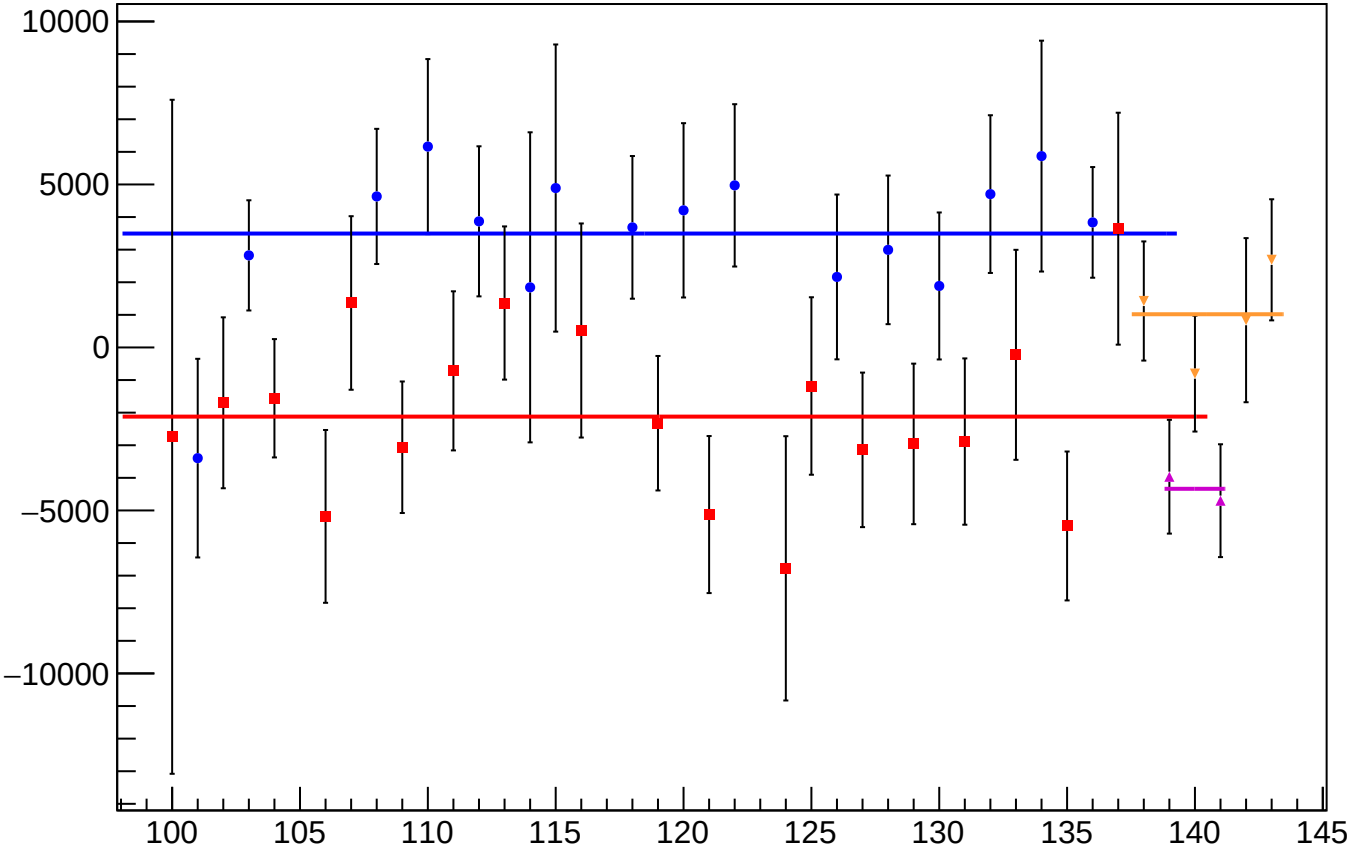
Left In: 4938.319+/-2.676 χ^2/NDF:38249.0/1

+ sign 4744.498+/-1.081 χ^2/NDF: 825464.3/19

All: 4709.806+/-0.782 χ^2/NDF: 1855899.5/40

- sign 4671.824+/-1.131 χ^2/NDF: 1028278.5/20

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.815+/-969.642 χ^2/NDF:1.9/3

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

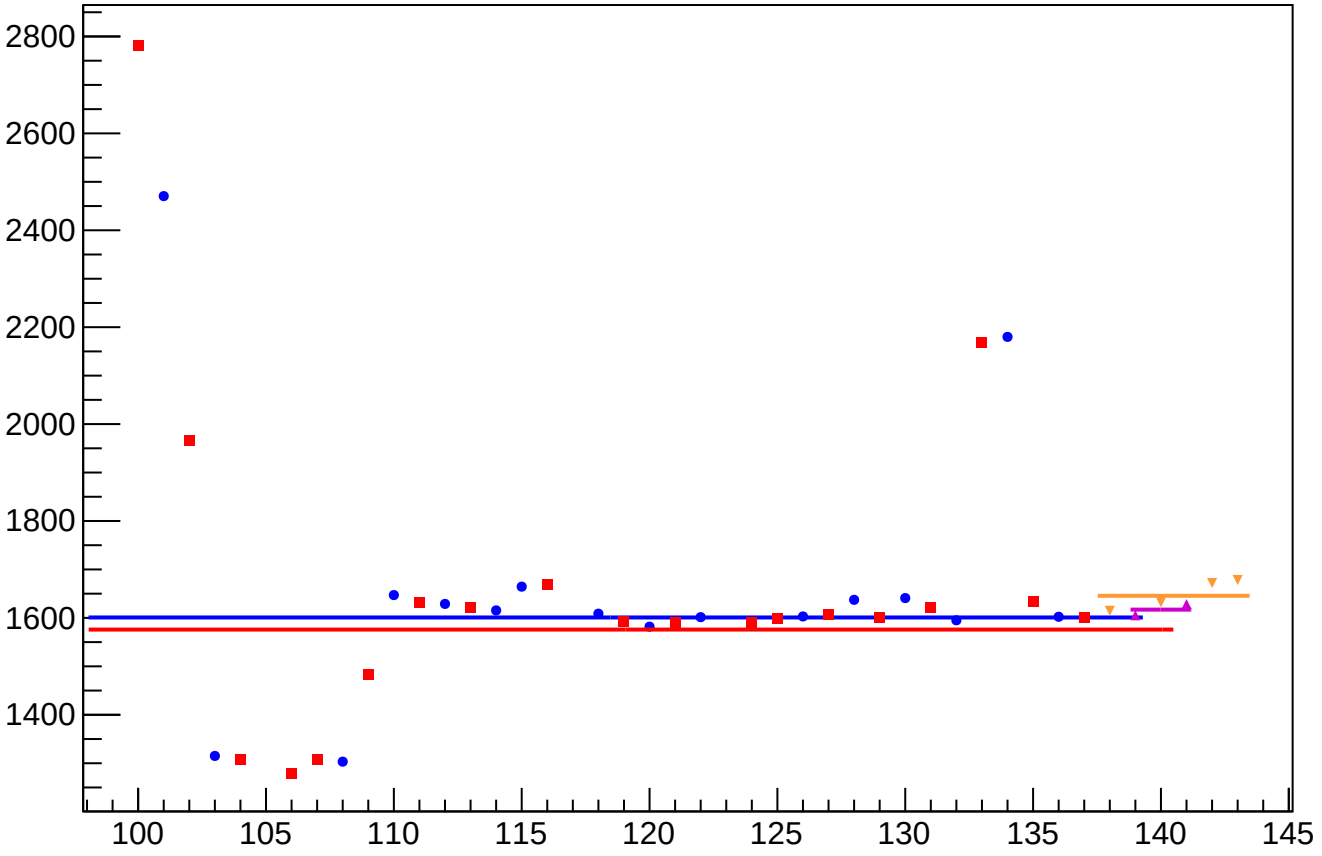
Left In: -4336.227+/-1228.887 χ^2/NDF:0.1/1

+ sign 2806.748+/-510.947 χ^2/NDF: 15.4/19

All: 234.834+/-367.889 χ^2/NDF: 85.9/40

- sign -2533.825+/-530.130 χ^2/NDF: 17.8/20

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1645.620+/-0.686 χ^2/NDF:1525.2/3

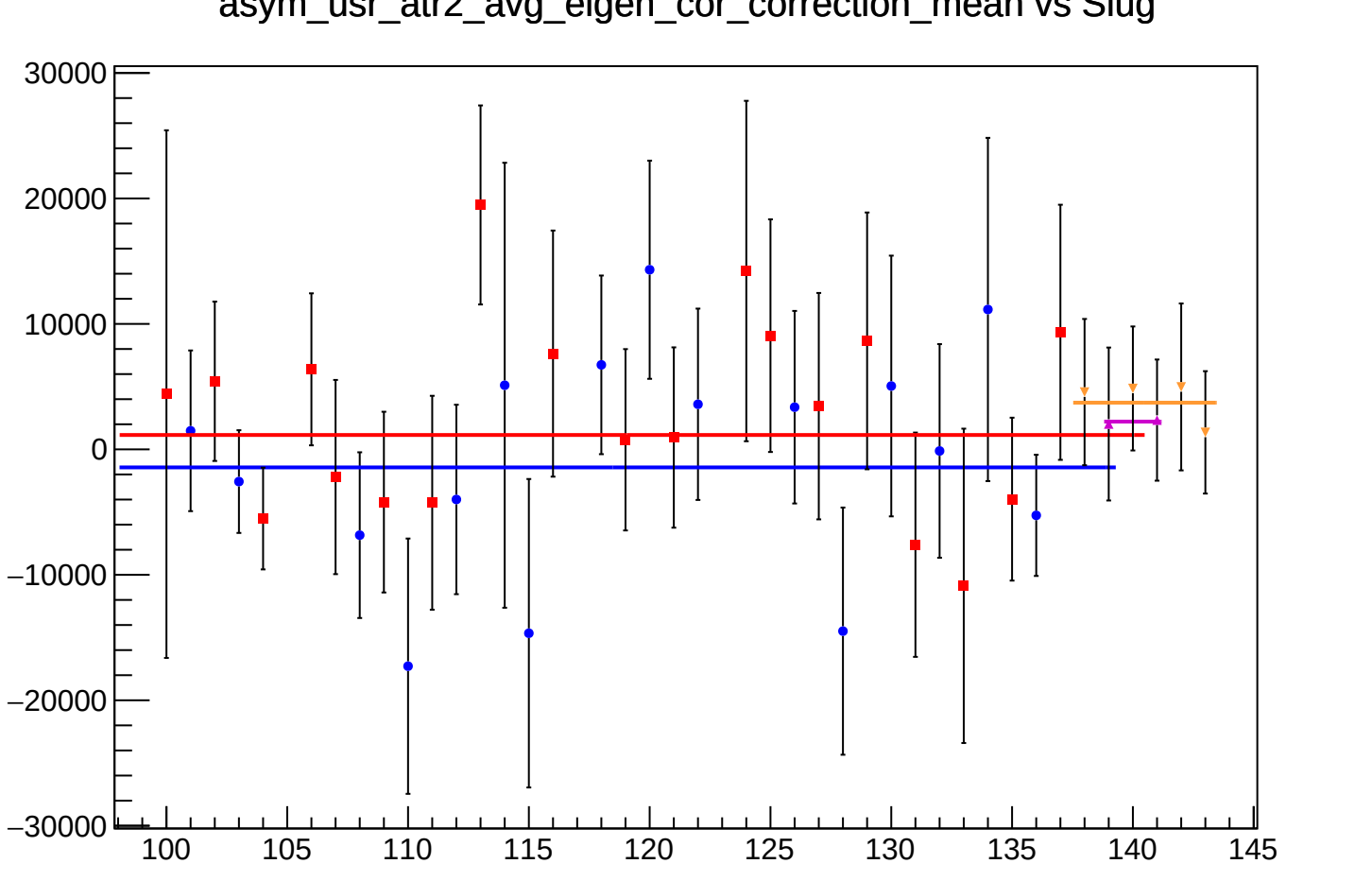
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

+ sign 1613.303+/-0.361 χ^2/NDF: 322013.9/19

All: 1598.907+/-0.260 χ^2/NDF: 570634.7/40

- sign 1583.510+/-0.374 χ^2/NDF: 245335.3/20



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3722.163+/-2721.608 χ^2/NDF:0.3/3

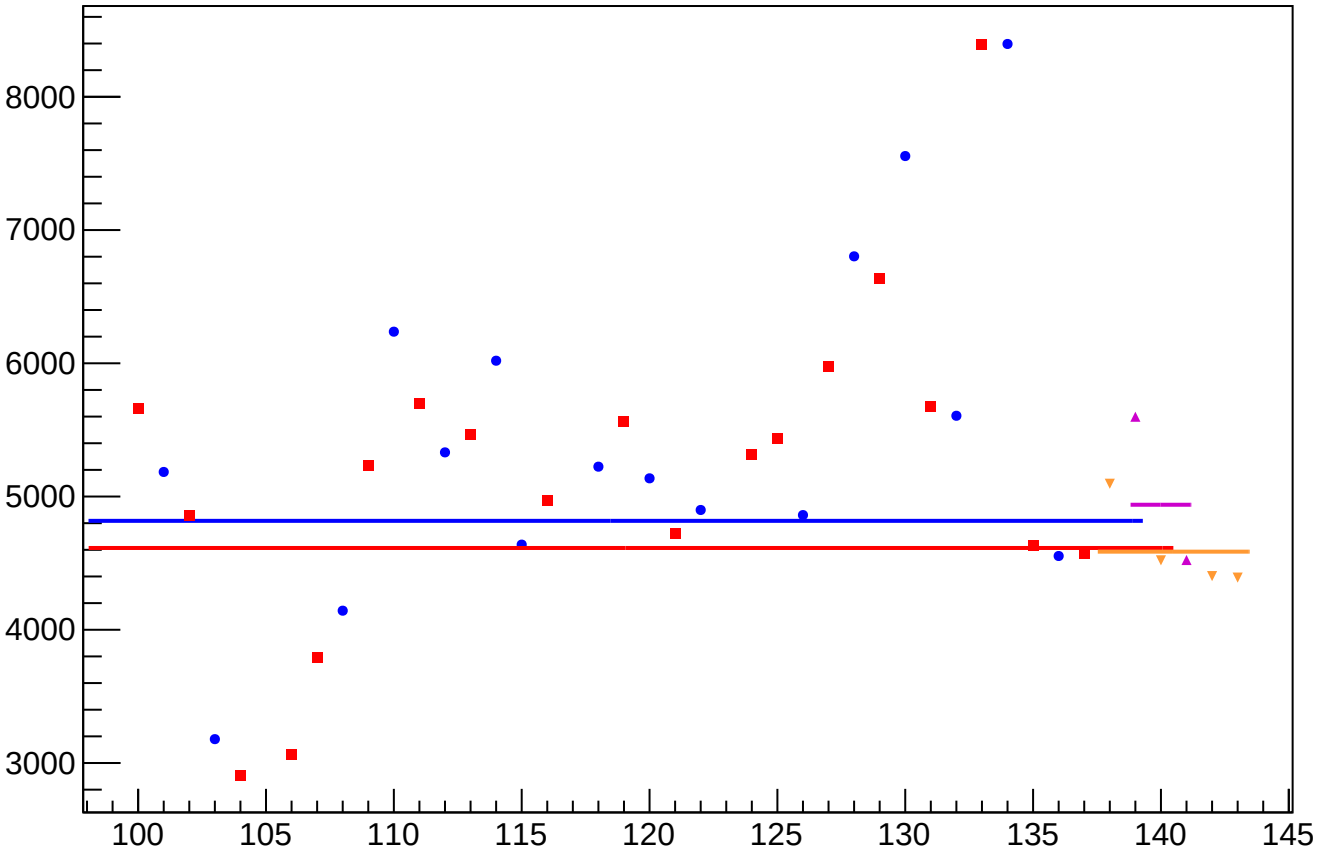
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 2212.197+/-3785.027 χ^2/NDF:0.0/1

+ sign 191.185+/-1529.047 χ^2/NDF: 16.7/19

All: 737.983+/-1105.405 χ^2/NDF: 33.2/40

- sign 1336.643+/-1599.917 χ^2/NDF: 16.3/20



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4586.259+/-1.924 χ^2/NDF:20351.9/3

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

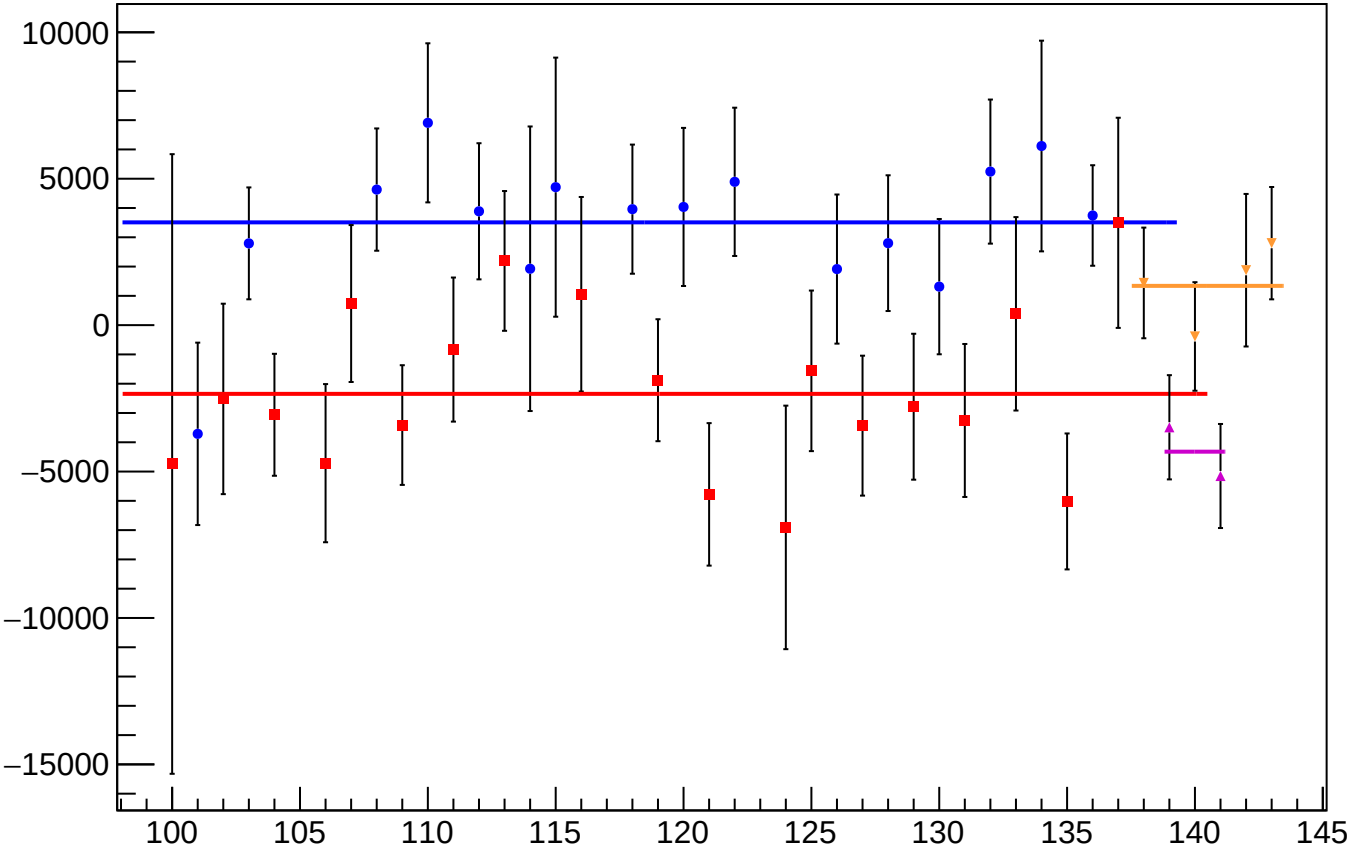
Left In: 4938.319+/-2.676 χ^2/NDF:38249.0/1

+ sign 4744.498+/-1.081 χ^2/NDF: 825464.3/19

All: 4709.806+/-0.782 χ^2/NDF: 1855899.5/40

- sign 4671.824+/-1.131 χ^2/NDF: 1028278.5/20

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1341.168+/-1004.804 χ^2/NDF:1.5/3

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

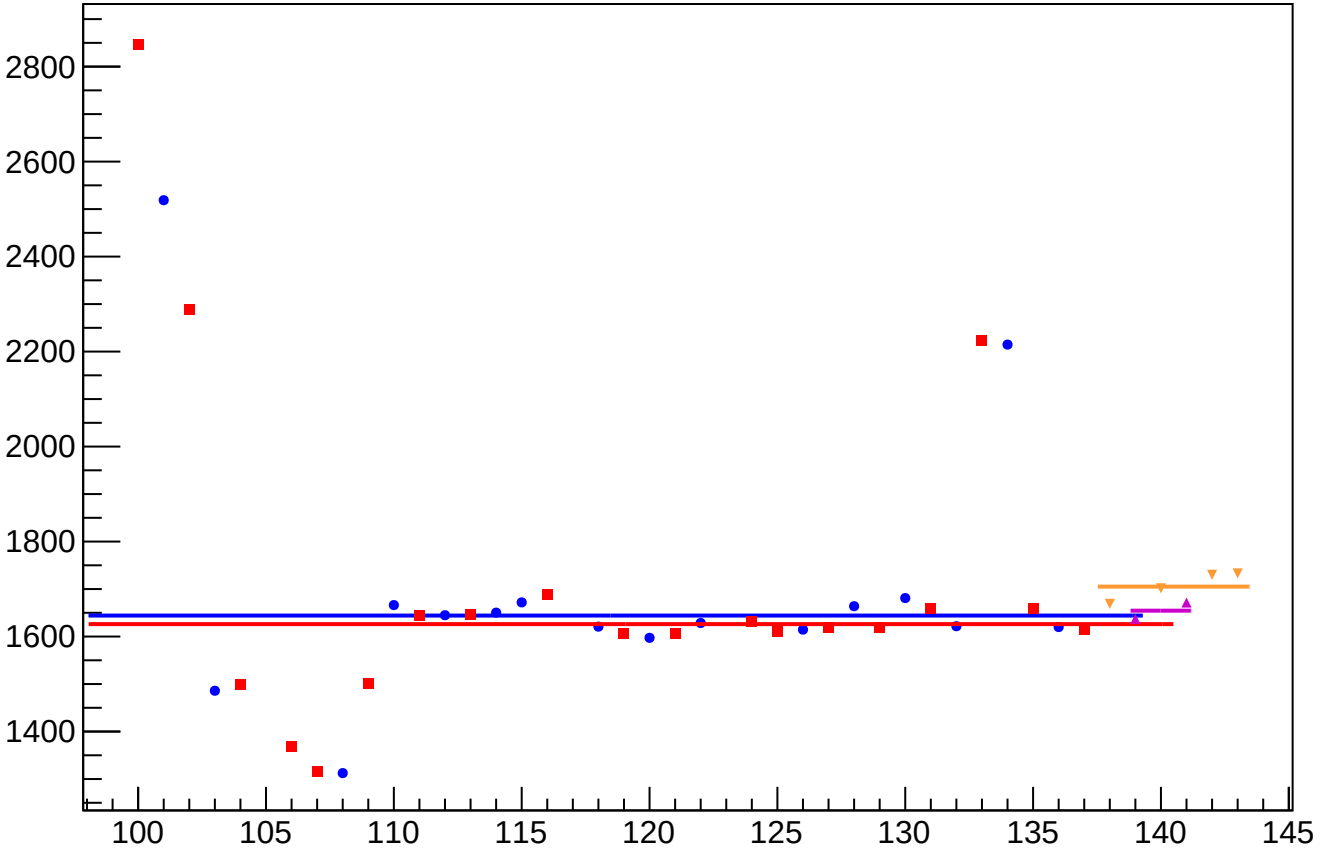
Left In: -4321.213+/-1257.450 χ^2/NDF:0.4/1

+ sign 2916.171+/-525.615 χ^2/NDF: 15.3/19

All: 210.224+/-379.004 χ^2/NDF: 90.0/40

- sign -2720.481+/-547.009 χ^2/NDF: 19.5/20

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1705.137+/-0.711 χ^2/NDF:1349.8/3

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

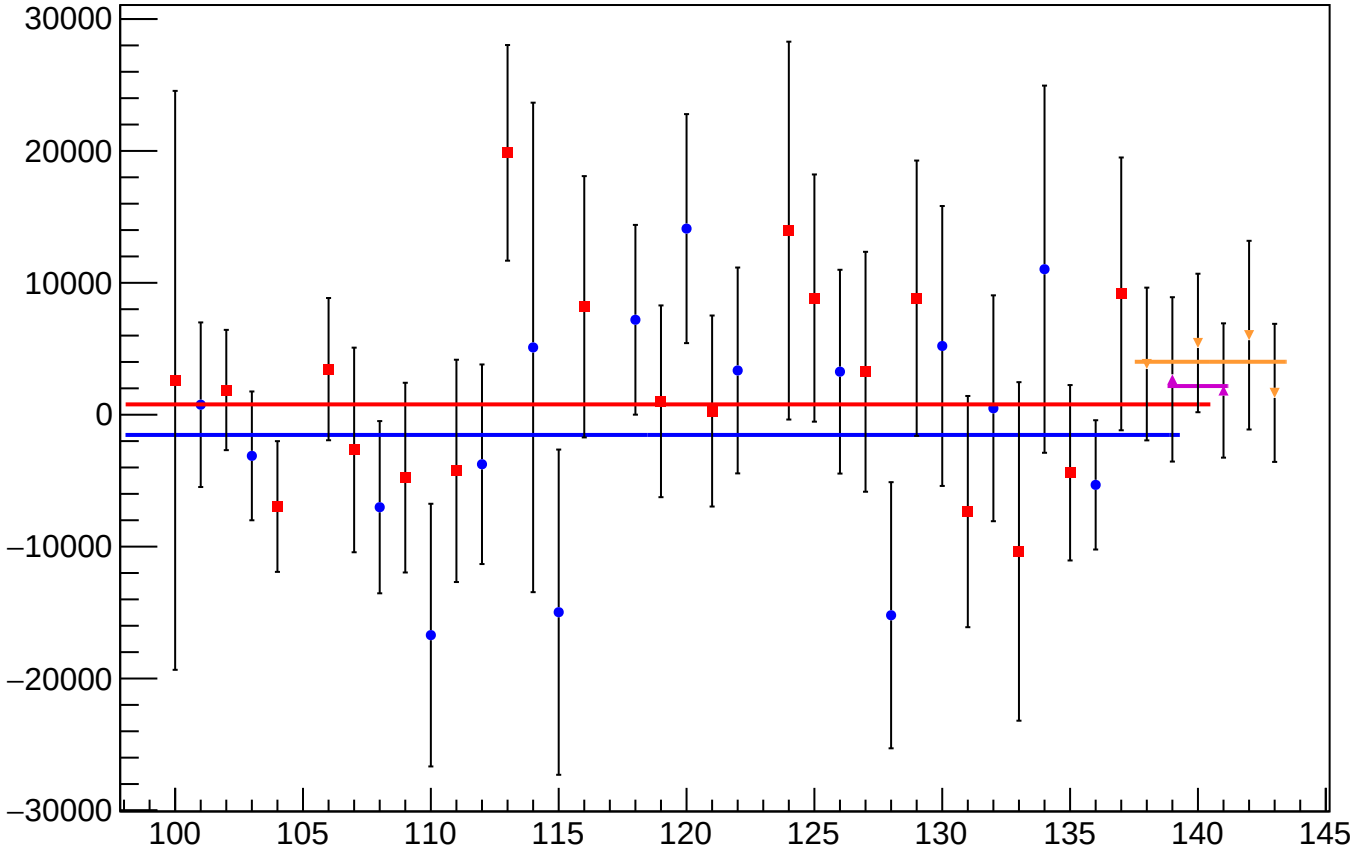
Left In: 1654.482+/-0.889 χ^2/NDF:374.9/1

+ sign 1660.873+/-0.372 χ^2/NDF: 281511.1/19

All: 1646.773+/-0.268 χ^2/NDF: 523343.1/40

- sign 1631.524+/-0.387 χ^2/NDF: 238836.1/20

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4015.120+/-2861.059 χ^2/NDF:0.4/3

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

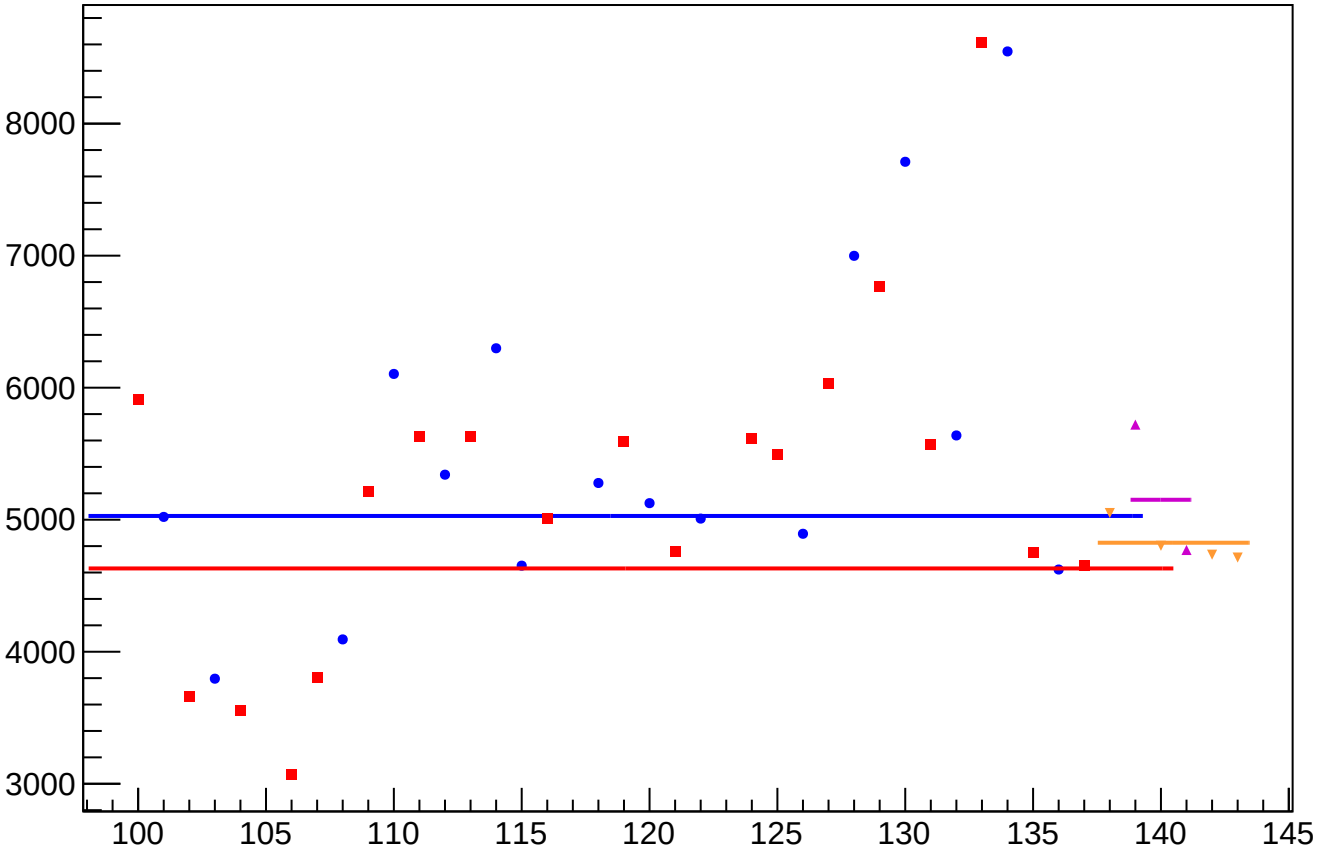
Left In: 2174.182+/-3942.647 χ^2/NDF:0.0/1

\+ sign 182.689+/-1590.726 χ^2/NDF: 16.8/19

All: 595.688+/-1127.523 χ^2/NDF: 32.1/40

\- sign 1012.692+/-1598.419 χ^2/NDF: 15.2/20

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4825.653+/-2.023 χ^2/NDF:4300.8/3

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

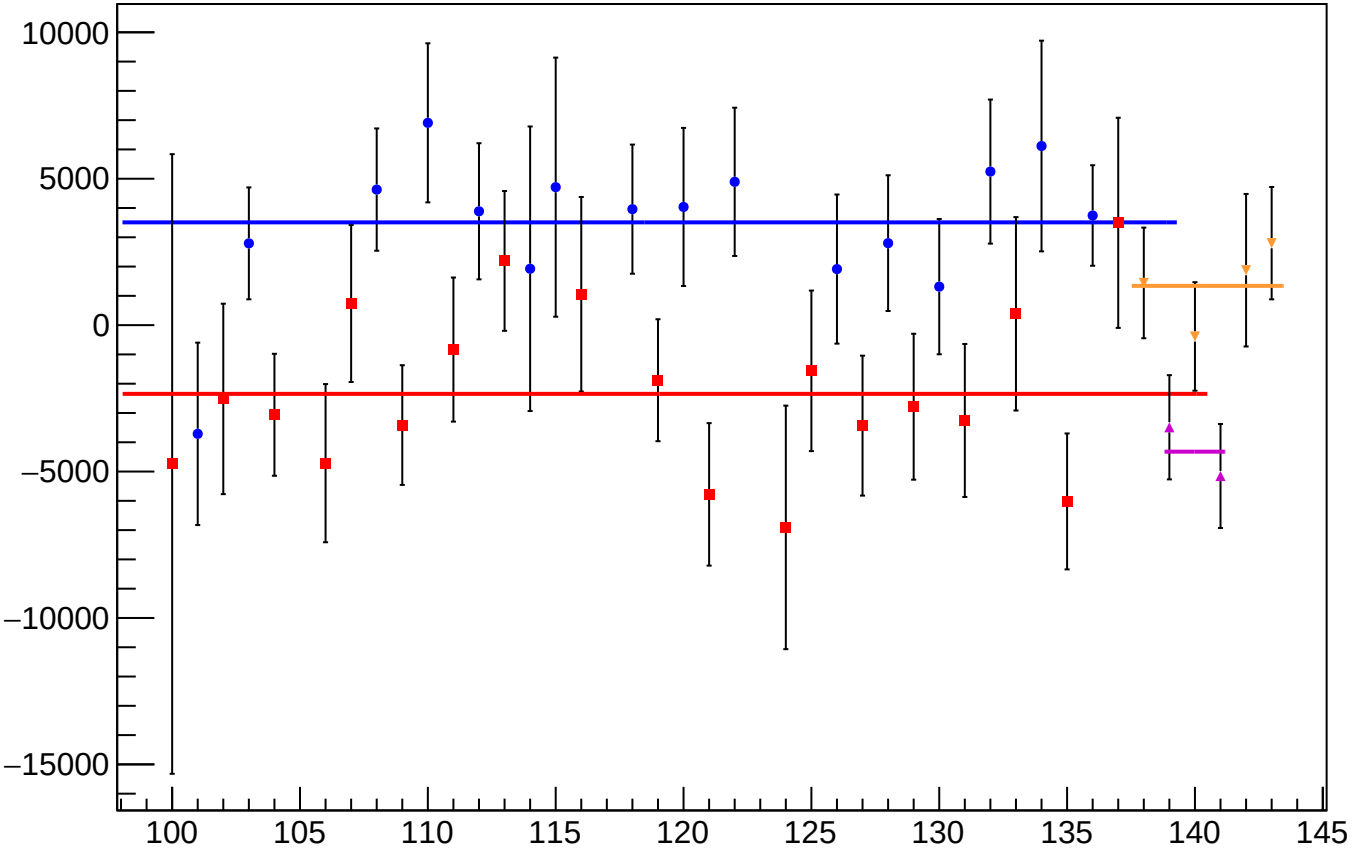
Left In: 5151.014+/-2.788 χ^2/NDF:27852.6/1

\+ sign 4965.759+/-1.125 χ^2/NDF: 576712.4/19

All: 4841.676+/-0.797 χ^2/NDF: 1521621.7/40

\- sign 4716.389+/-1.130 χ^2/NDF: 920452.4/20

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1341.165+/-1004.805 χ^2/NDF:1.5/3

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

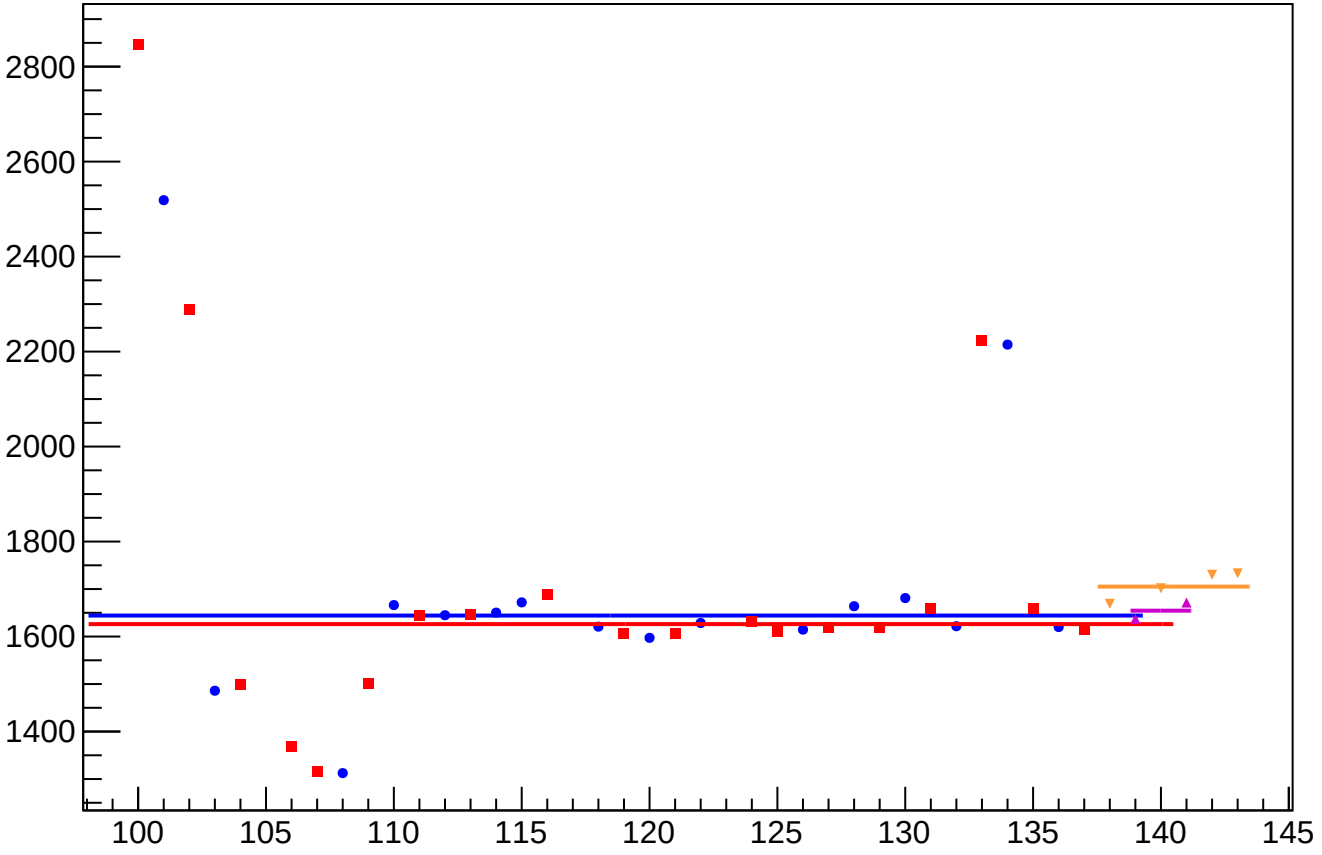
Left In: -4321.190+/-1257.451 χ^2/NDF:0.4/1

+ sign 2916.173+/-525.615 χ^2/NDF: 15.3/19

All: 210.225+/-379.004 χ^2/NDF: 90.0/40

- sign -2720.481+/-547.009 χ^2/NDF: 19.5/20

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1705.138+/-0.711 χ^2/NDF:1349.9/3

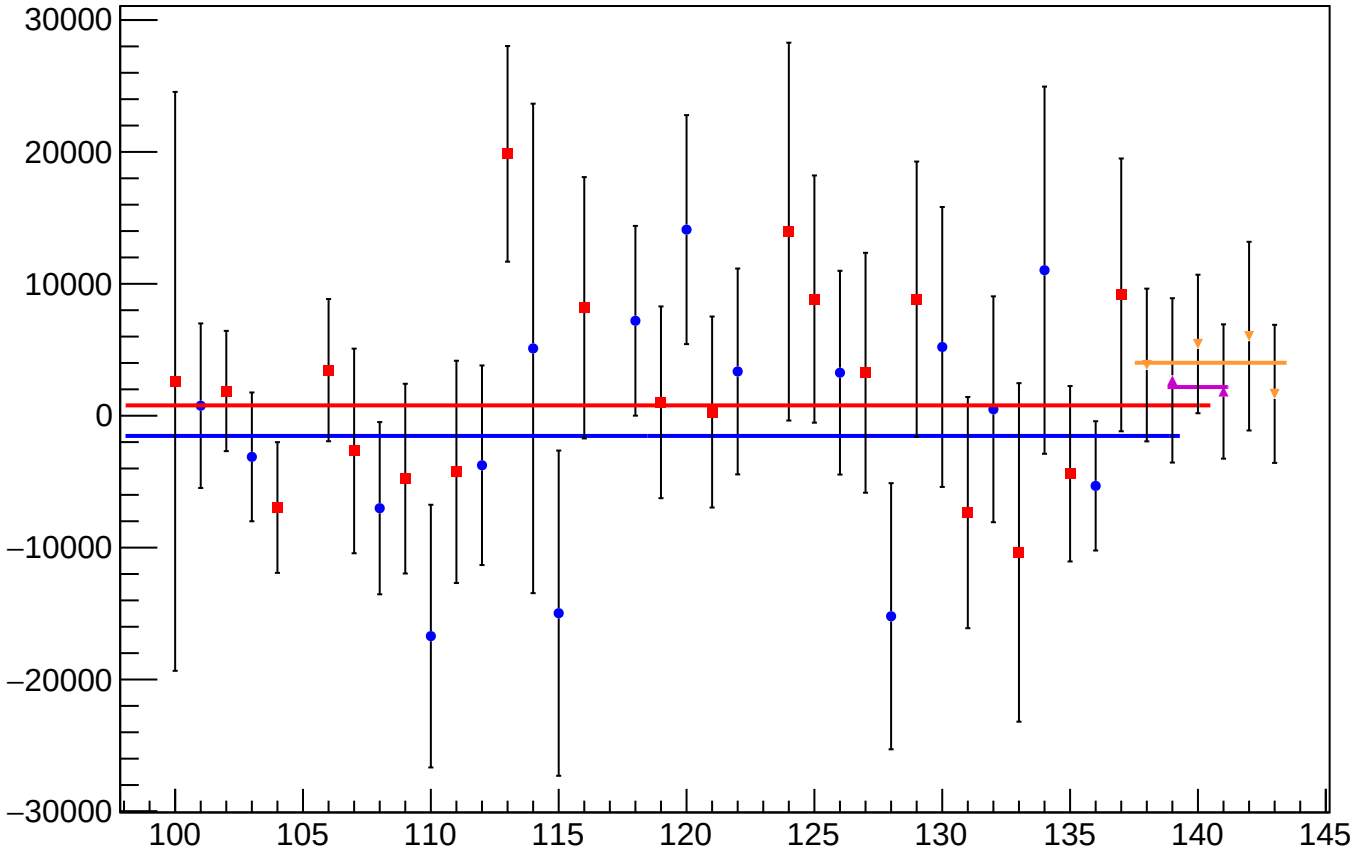
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1654.482+/-0.889 χ^2/NDF:374.9/1

+ sign 1660.873+/-0.372 χ^2/NDF: 281511.6/19

All: 1646.773+/-0.268 χ^2/NDF: 523343.2/40

- sign 1631.523+/-0.387 χ^2/NDF: 238835.7/20



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4015.124+/-2861.063 χ^2/NDF:0.4/3

Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

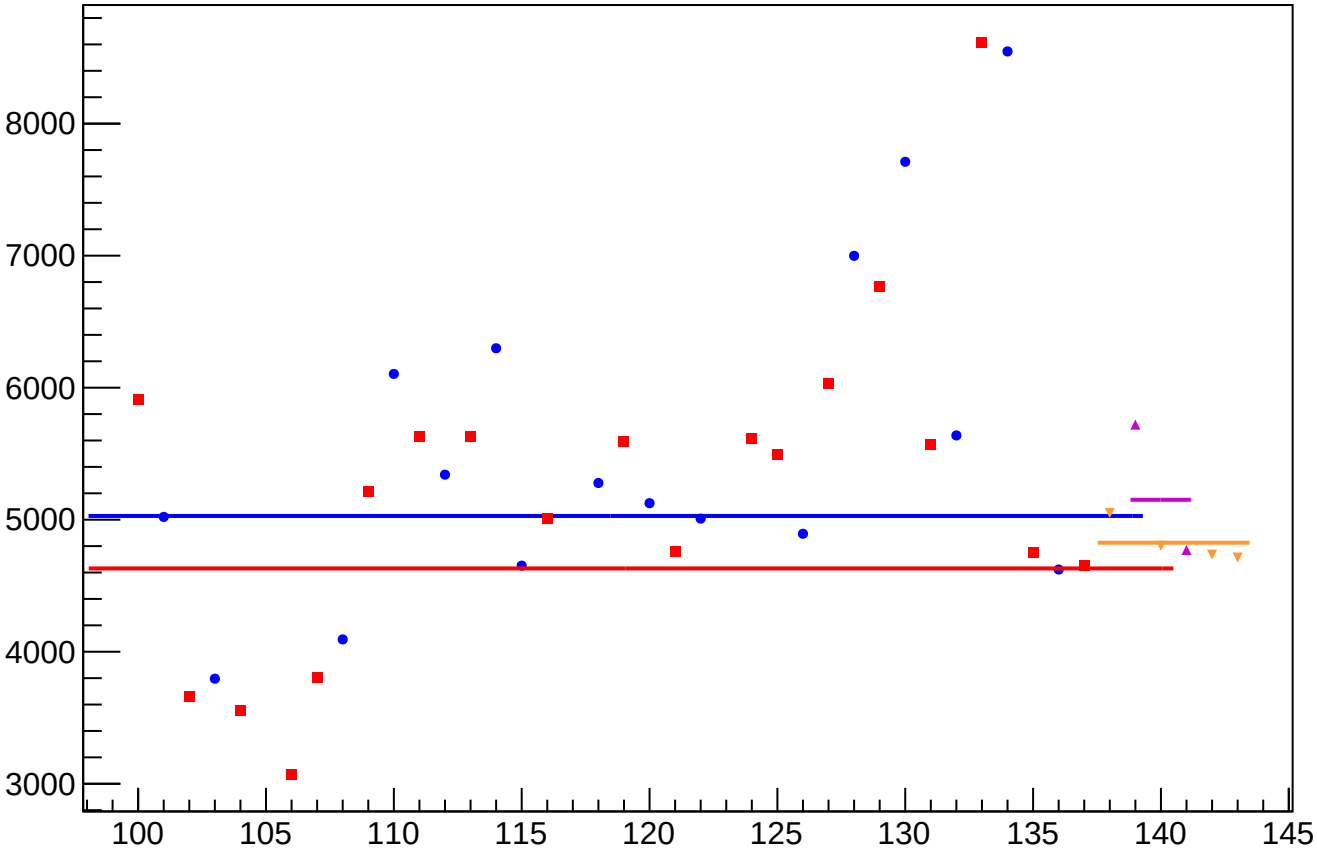
Left In: 2174.203+/-3942.652 χ^2/NDF:0.0/1

+ sign 182.694+/-1590.725 χ^2/NDF: 16.8/19

All: 595.693+/-1127.522 χ^2/NDF: 32.1/40

- sign 1012.695+/-1598.417 χ^2/NDF: 15.2/20

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4825.659+/-2.023 χ^2/NDF:4300.9/3

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

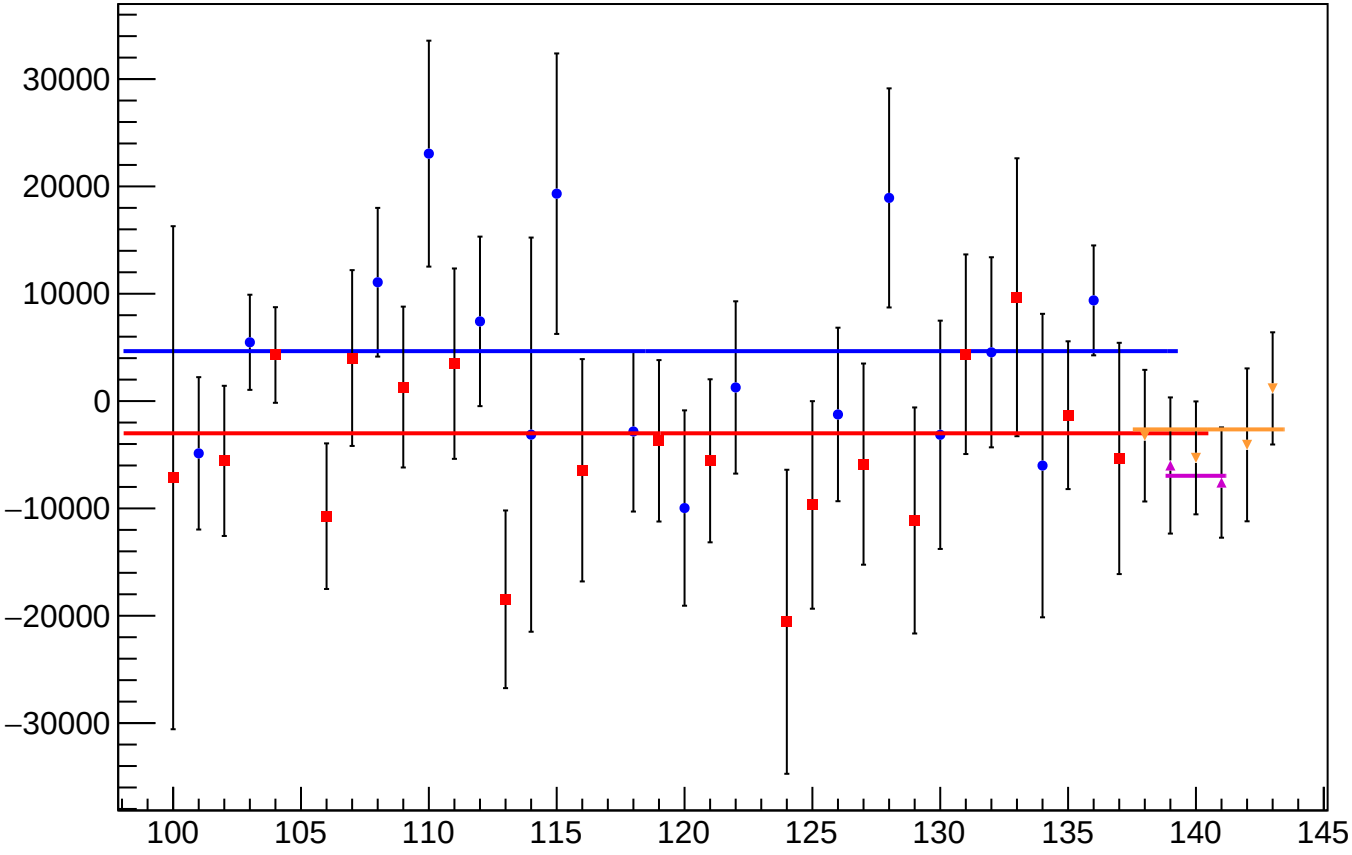
Left In: 5151.019+/-2.788 χ^2/NDF:27853.4/1

+ sign 4965.757+/-1.125 χ^2/NDF: 576705.3/19

All: 4841.672+/-0.797 χ^2/NDF: 1521611.2/40

- sign 4716.384+/-1.130 χ^2/NDF: 920448.5/20

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -2638.186+/-2898.231 χ^2/NDF:0.8/3

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

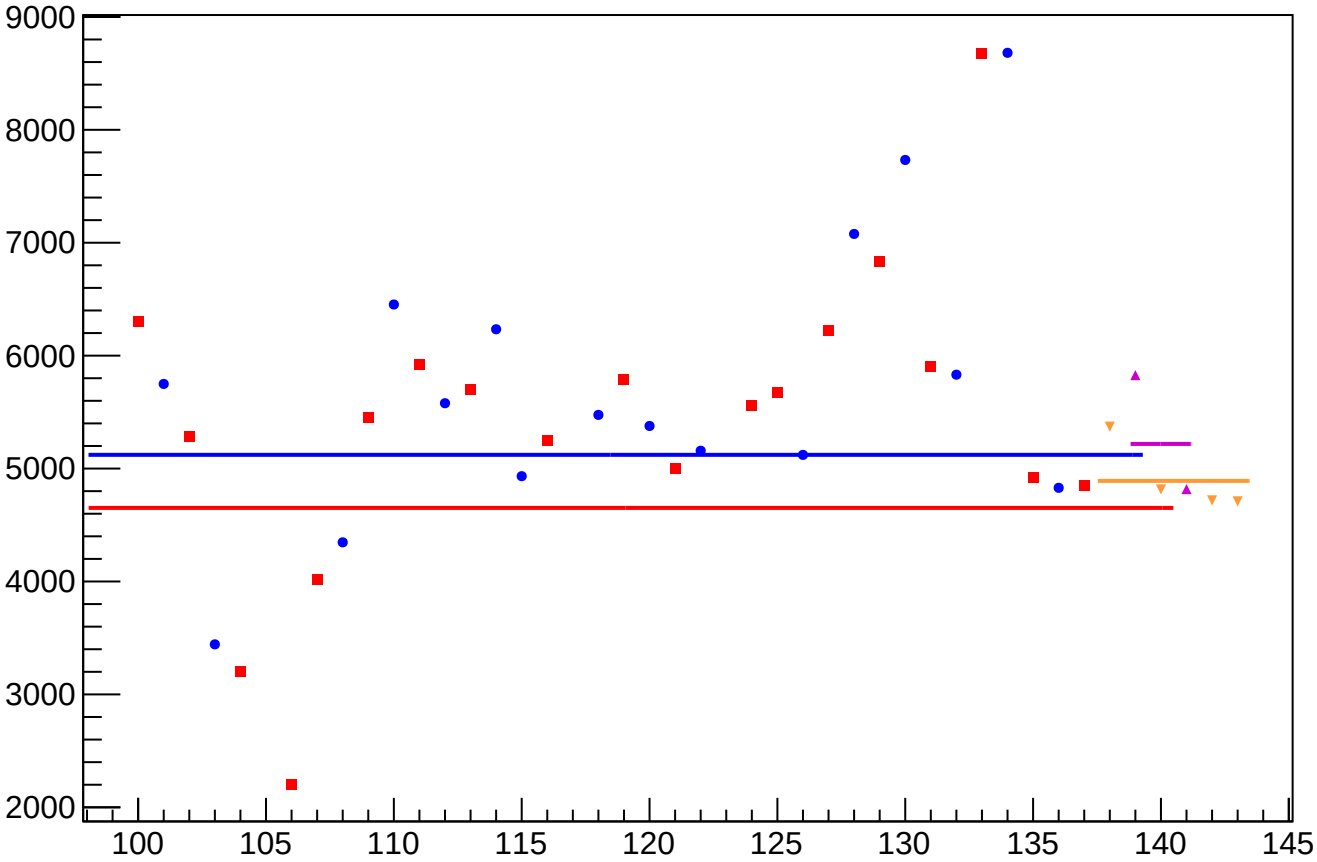
Left In: -6960.212+/-3992.757 χ^2/NDF:0.0/1

+ sign 2367.371+/-1622.728 χ^2/NDF: 20.7/19

All: -530.101+/-1174.787 χ^2/NDF: 42.1/40

- sign -3721.227+/-1702.974 χ^2/NDF: 14.7/20

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4891.099+/-2.049 χ^2/NDF:16256.1/3

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

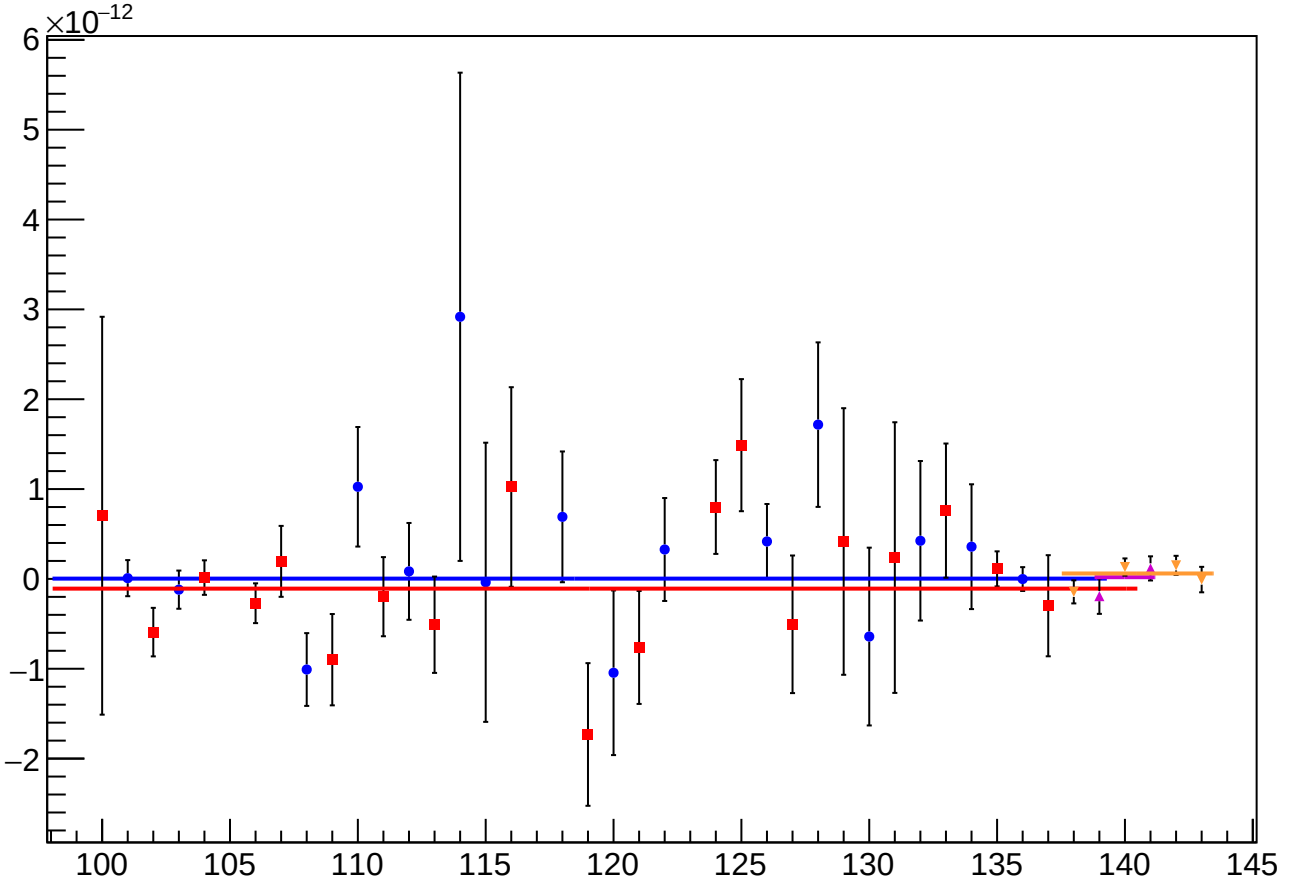
Left In: 5218.189+/-2.823 χ^2/NDF:30588.9/1

+ sign 5049.370+/-1.147 χ^2/NDF: 745314.2/19

All: 4901.282+/-0.818 χ^2/NDF: 2188016.9/40

- sign 4748.352+/-1.166 χ^2/NDF: 1408845.7/20

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:4.1/3

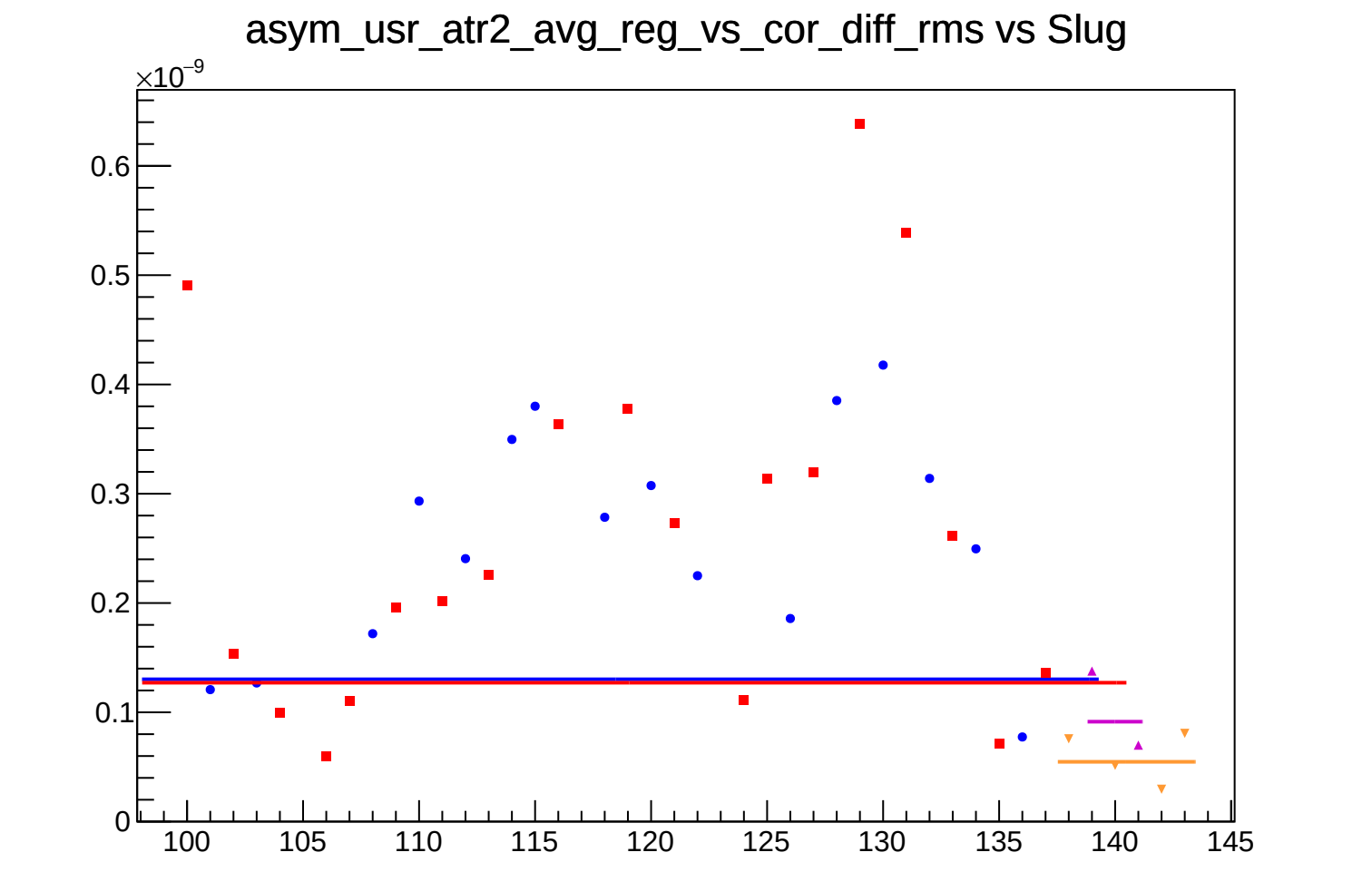
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 22.4/19

All: 0.000+/-0.000 χ^2/NDF: 51.4/40

- sign -0.000+/-0.000 χ^2/NDF: 27.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:235115.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

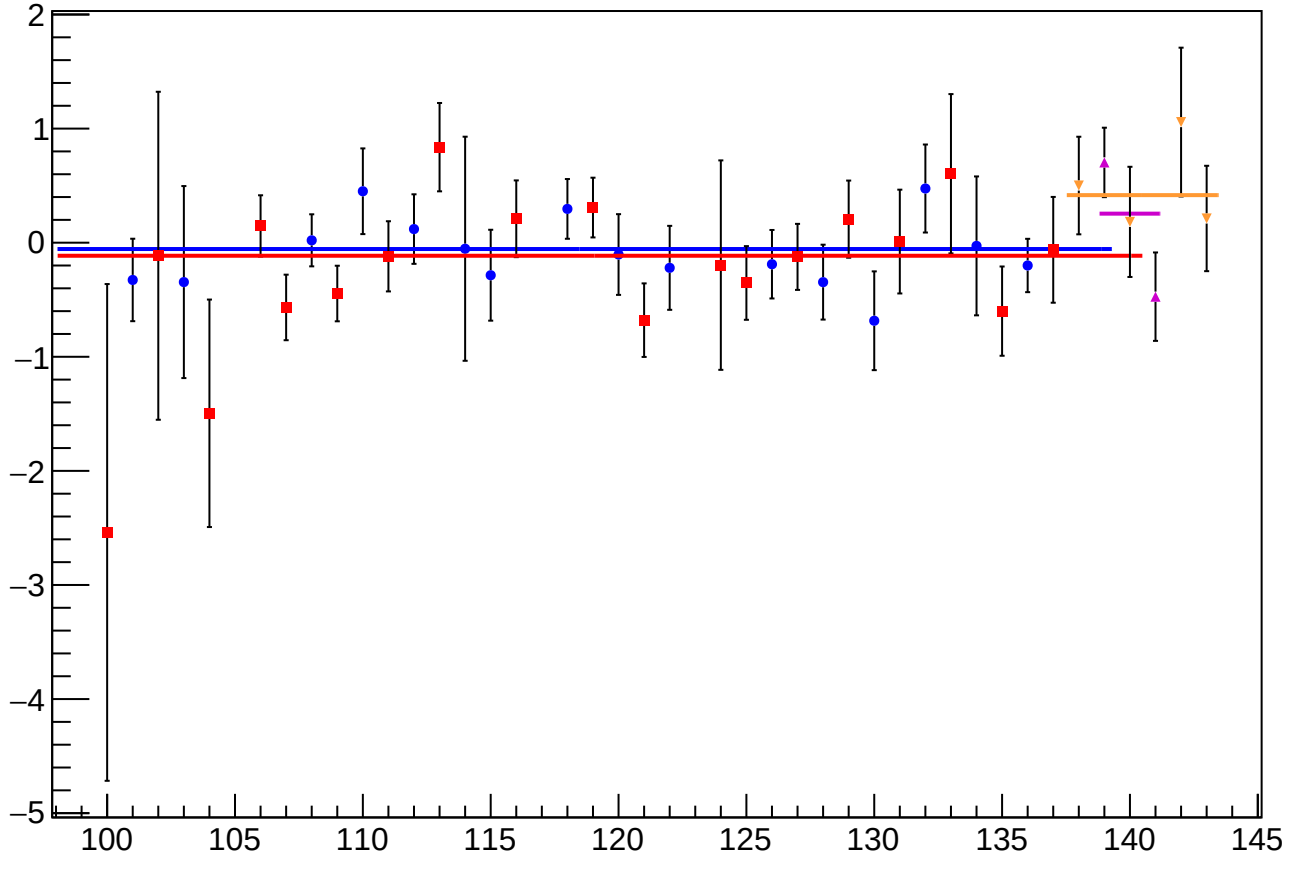
Left In: 0.000+/-0.000 χ^2/NDF:160917.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 2626883.5/19

All: 0.000+/-0.000 χ^2/NDF: 5000088.4/40

- sign 0.000+/-0.000 χ^2/NDF: 2020108.9/20

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.417+/-0.244 χ^2/NDF:1.4/3

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

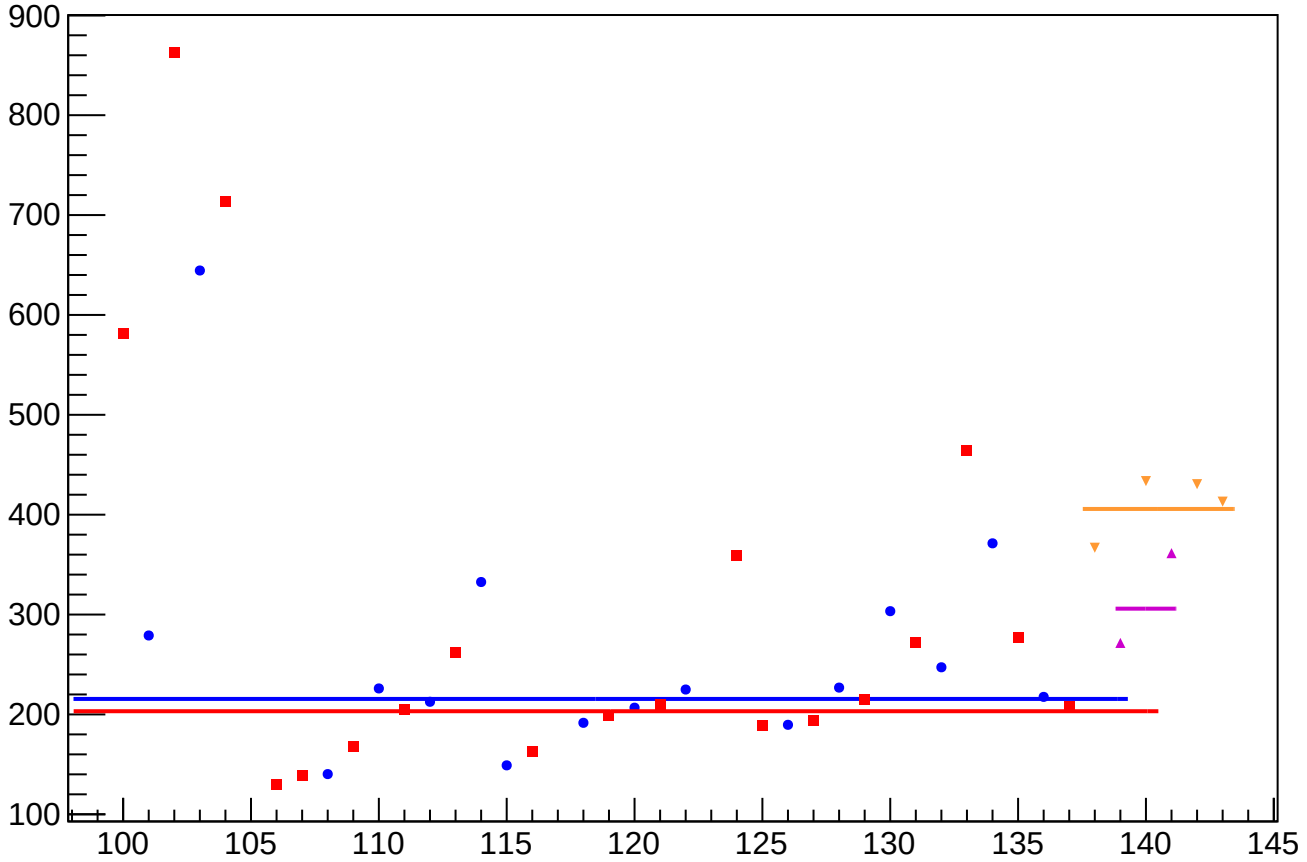
Left In: 0.255+/-0.239 χ^2/NDF:5.7/1

+ sign -0.004+/-0.081 χ^2/NDF: 15.4/19

All: -0.040+/-0.056 χ^2/NDF: 48.9/40

- sign -0.075+/-0.079 χ^2/NDF: 33.1/20

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 405.735+/-0.173 χ^2/NDF:26555.5/3

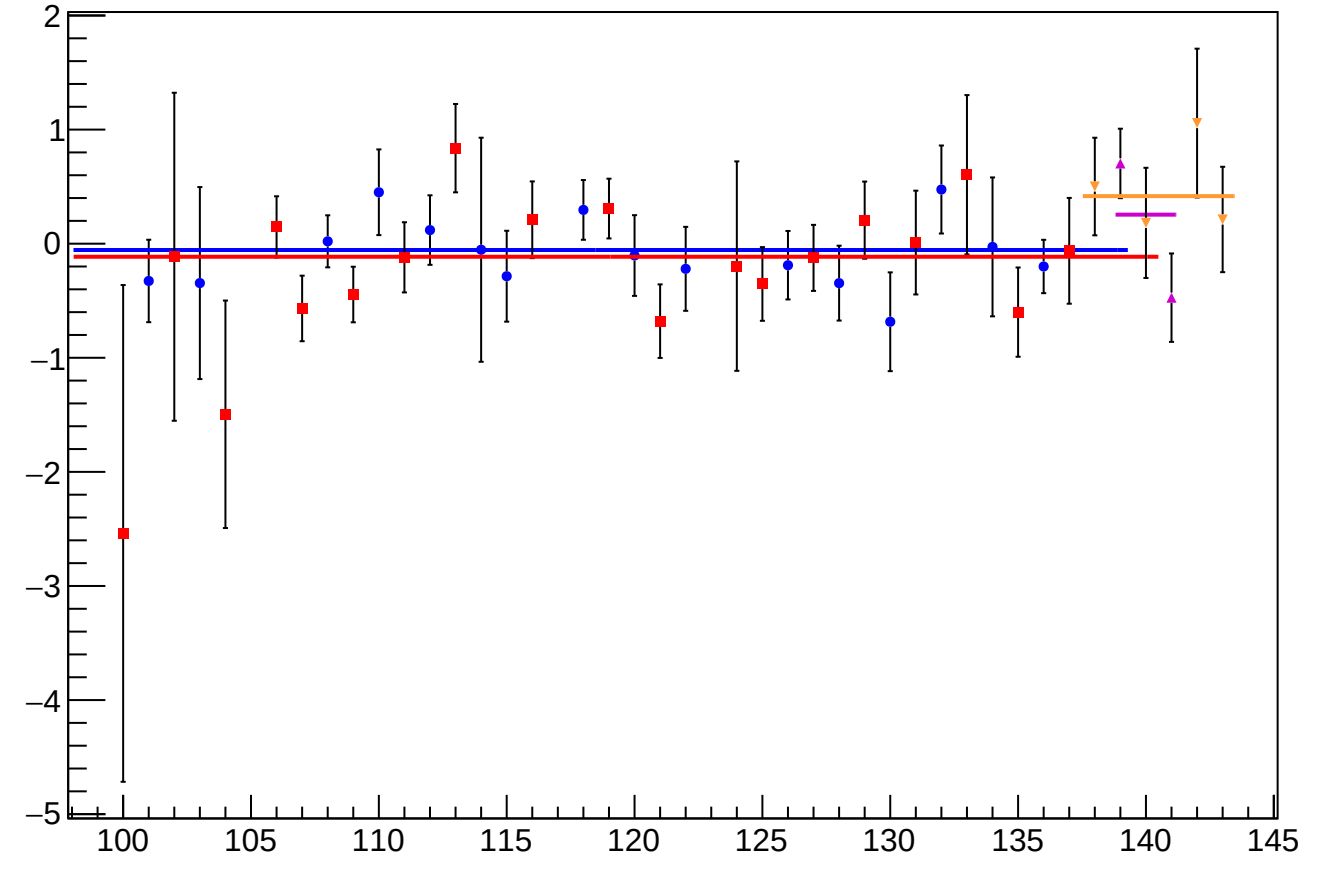
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 305.902+/-0.169 χ^2/NDF:66549.7/1

+ sign 236.307+/-0.057 χ^2/NDF: 2257888.0/19

All: 225.010+/-0.040 χ^2/NDF: 4565003.5/40

- sign 214.284+/-0.056 χ^2/NDF: 2230641.5/20



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.417+/-0.244 χ^2/NDF:1.4/3

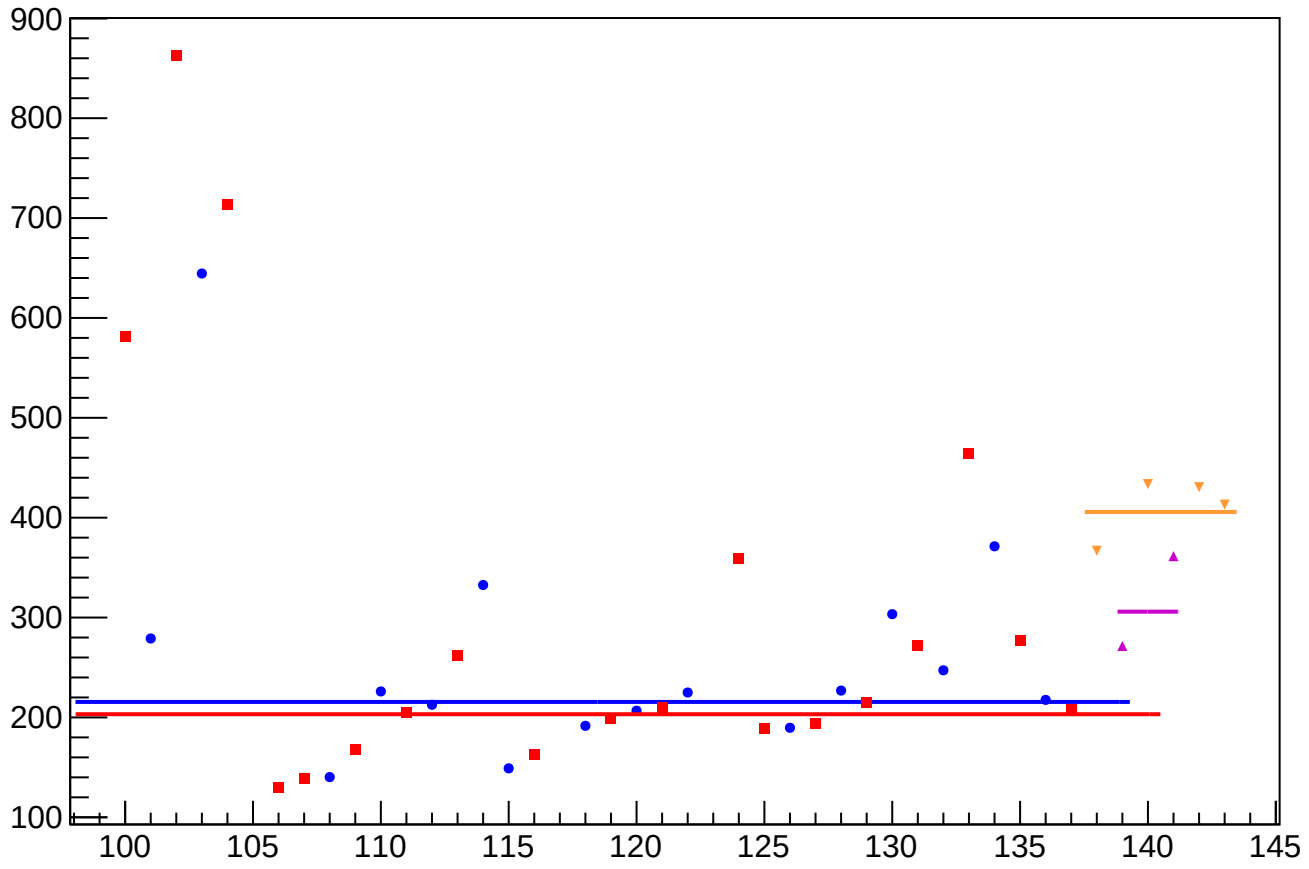
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.255+/-0.239 χ^2/NDF:5.7/1

\+ sign -0.004+/-0.081 χ^2/NDF: 15.4/19

All: -0.040+/-0.056 χ^2/NDF: 48.9/40

\- sign -0.075+/-0.079 χ^2/NDF: 33.1/20



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 405.735+/-0.173 χ^2/NDF:26555.5/3

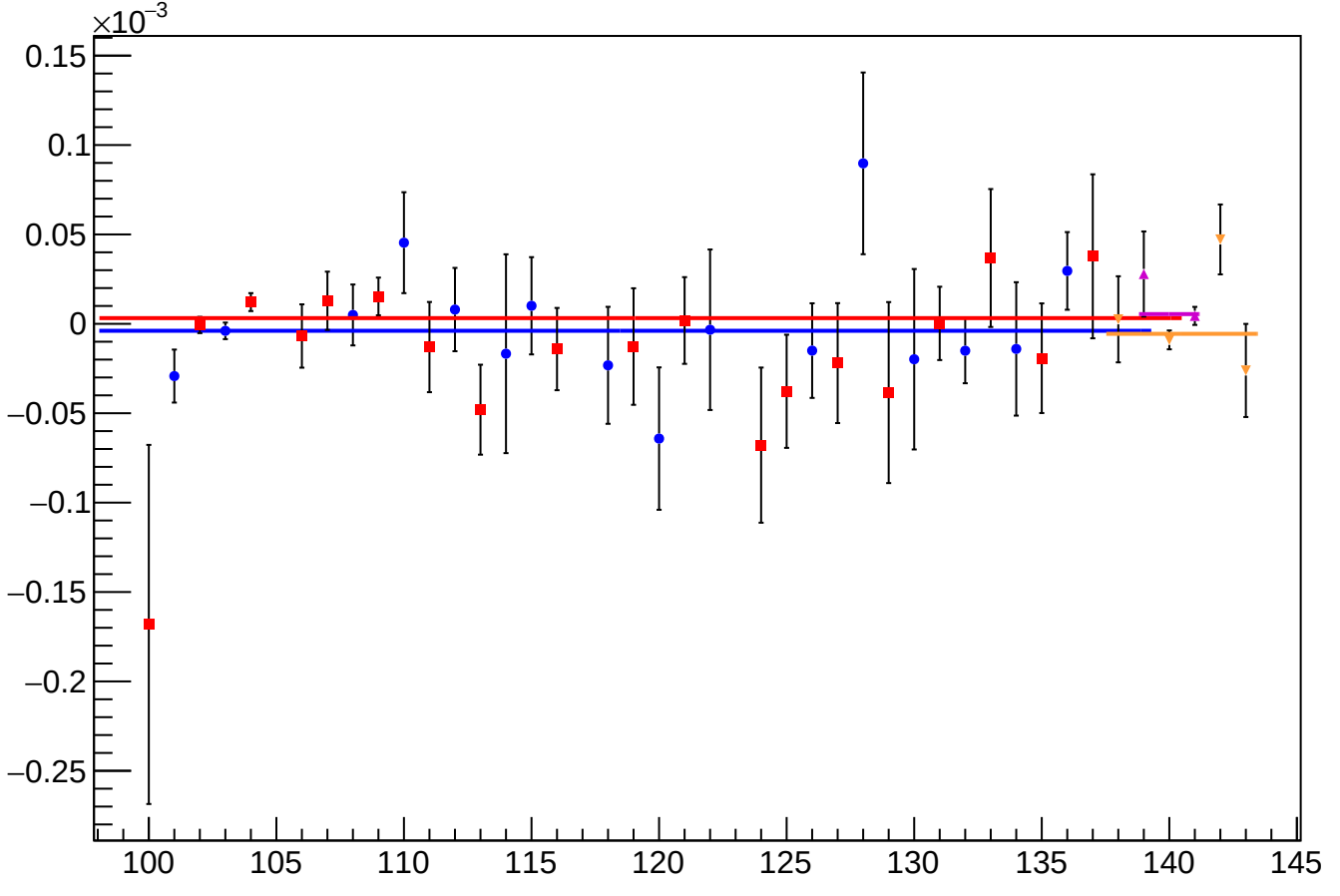
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 305.902+/-0.169 χ^2/NDF:66549.7/1

+ sign 236.307+/-0.057 χ^2/NDF: 2257888.0/19

All: 225.010+/-0.040 χ^2/NDF: 4565003.5/40

- sign 214.284+/-0.056 χ^2/NDF: 2230641.5/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/3

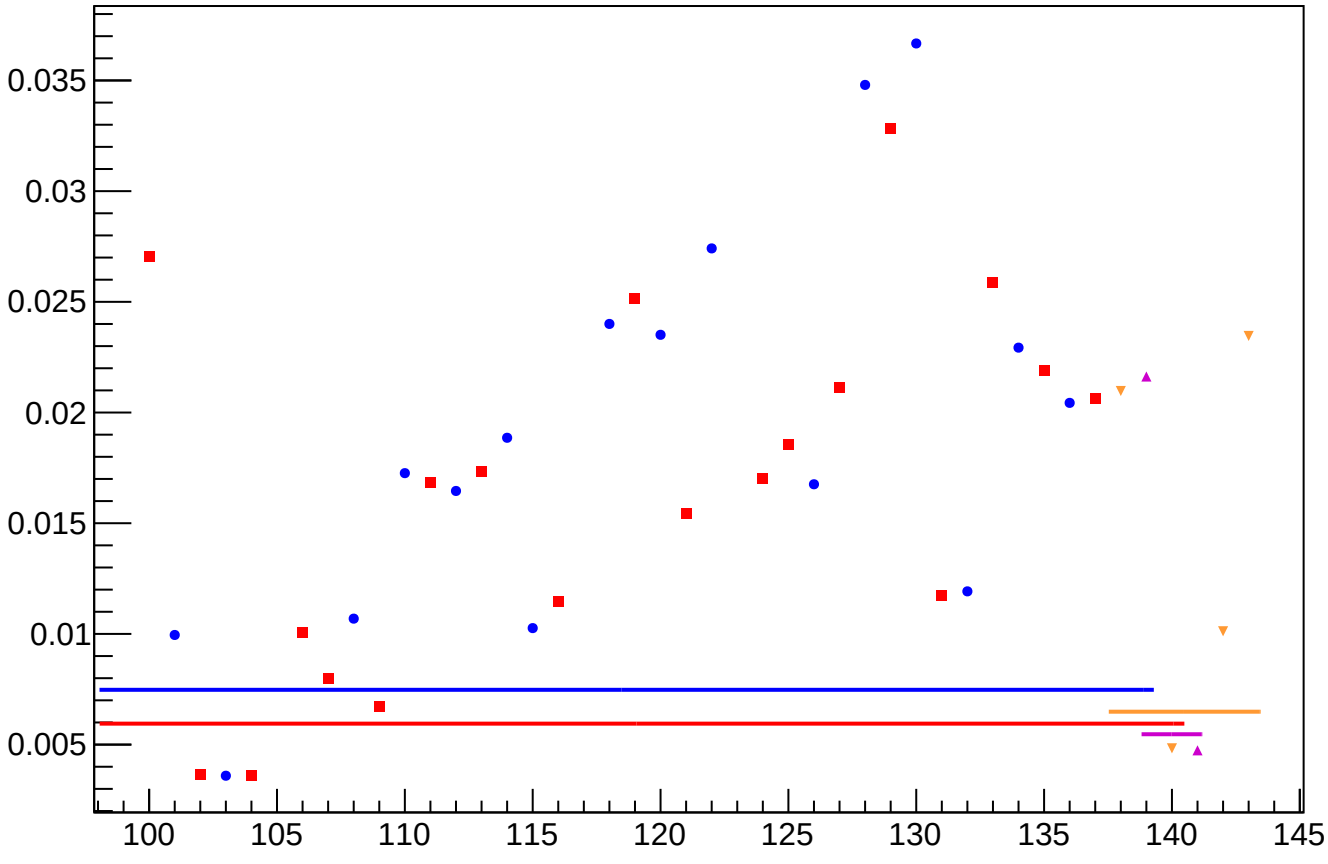
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/19

All: 0.000+/-0.000 χ^2/NDF: 51.7/40

- sign 0.000+/-0.000 χ^2/NDF: 22.7/20



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.006+/-0.000 χ^2/NDF:1839468.8/3

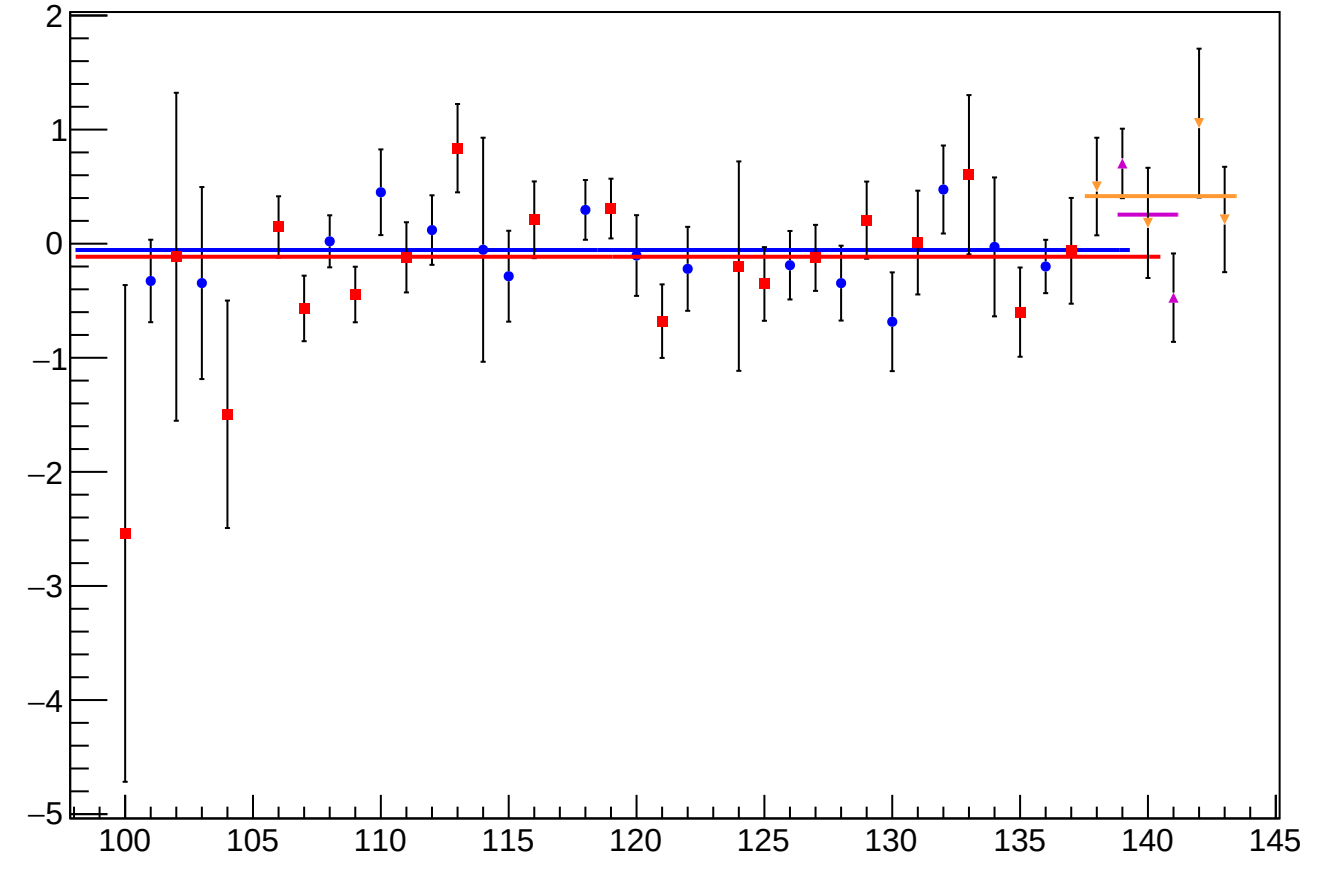
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.005+/-0.000 χ^2/NDF:963410.2/1

+ sign 0.007+/-0.000 χ^2/NDF: 7966756.2/19

All: 0.006+/-0.000 χ^2/NDF: 15093512.7/40

- sign 0.006+/-0.000 χ^2/NDF: 6911412.7/20



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.417+/-0.244 χ^2/NDF:1.4/3

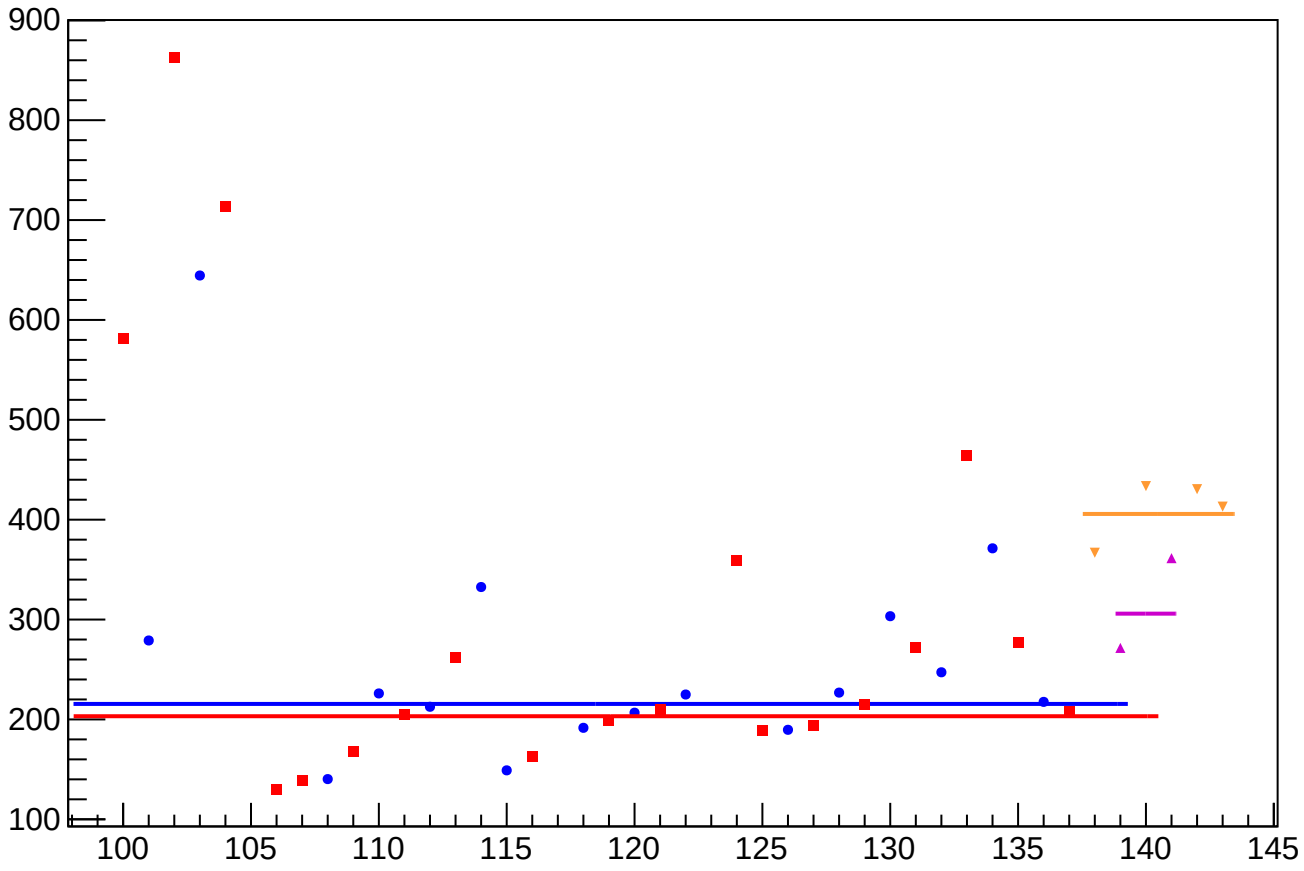
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.255+/-0.239 χ^2/NDF:5.7/1

+ sign -0.004+/-0.081 χ^2/NDF: 15.4/19

All: -0.040+/-0.056 χ^2/NDF: 48.9/40

- sign -0.075+/-0.079 χ^2/NDF: 33.1/20



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 405.740+/-0.173 χ^2/NDF:26552.1/3

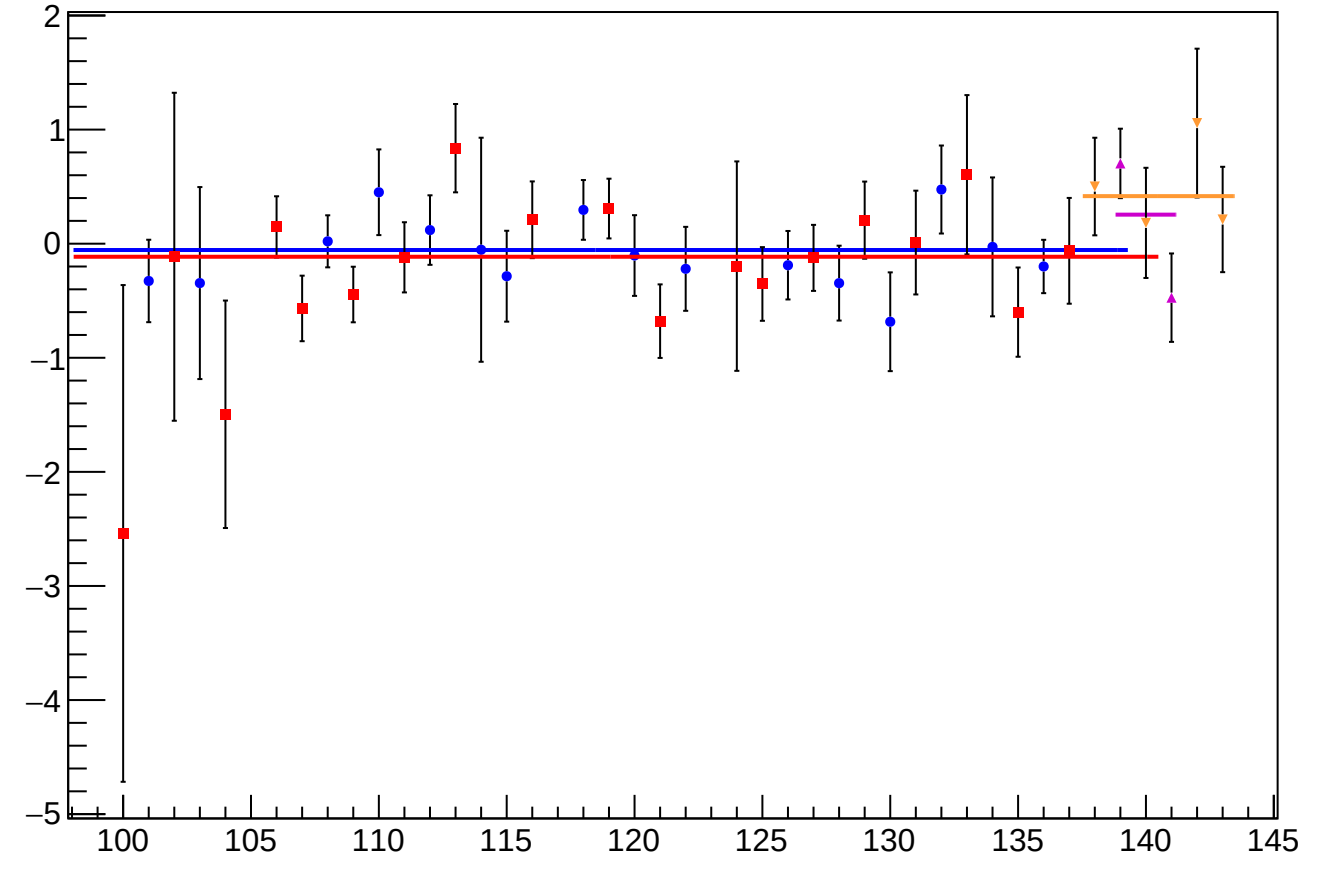
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 305.906+/-0.169 χ^2/NDF:66540.8/1

+ sign 236.306+/-0.057 χ^2/NDF: 2257905.5/19

All: 225.009+/-0.040 χ^2/NDF: 4565023.7/40

- sign 214.283+/-0.056 χ^2/NDF: 2230642.9/20



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.417+/-0.244 χ^2/NDF:1.4/3

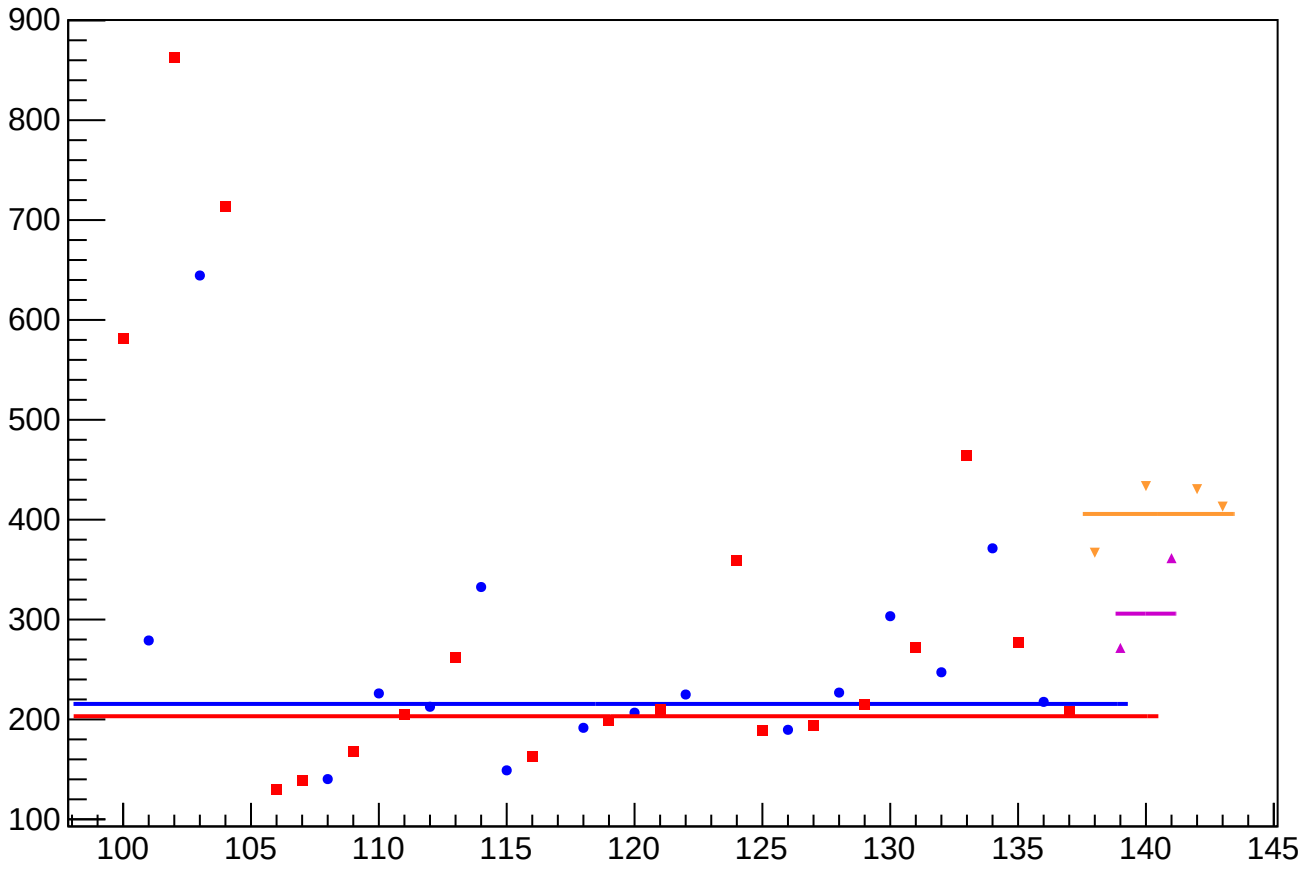
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.255+/-0.239 χ^2/NDF:5.7/1

+ sign -0.004+/-0.081 χ^2/NDF: 15.4/19

All: -0.040+/-0.056 χ^2/NDF: 48.9/40

- sign -0.075+/-0.079 χ^2/NDF: 33.1/20



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 405.740+/-0.173 χ^2/NDF:26552.1/3

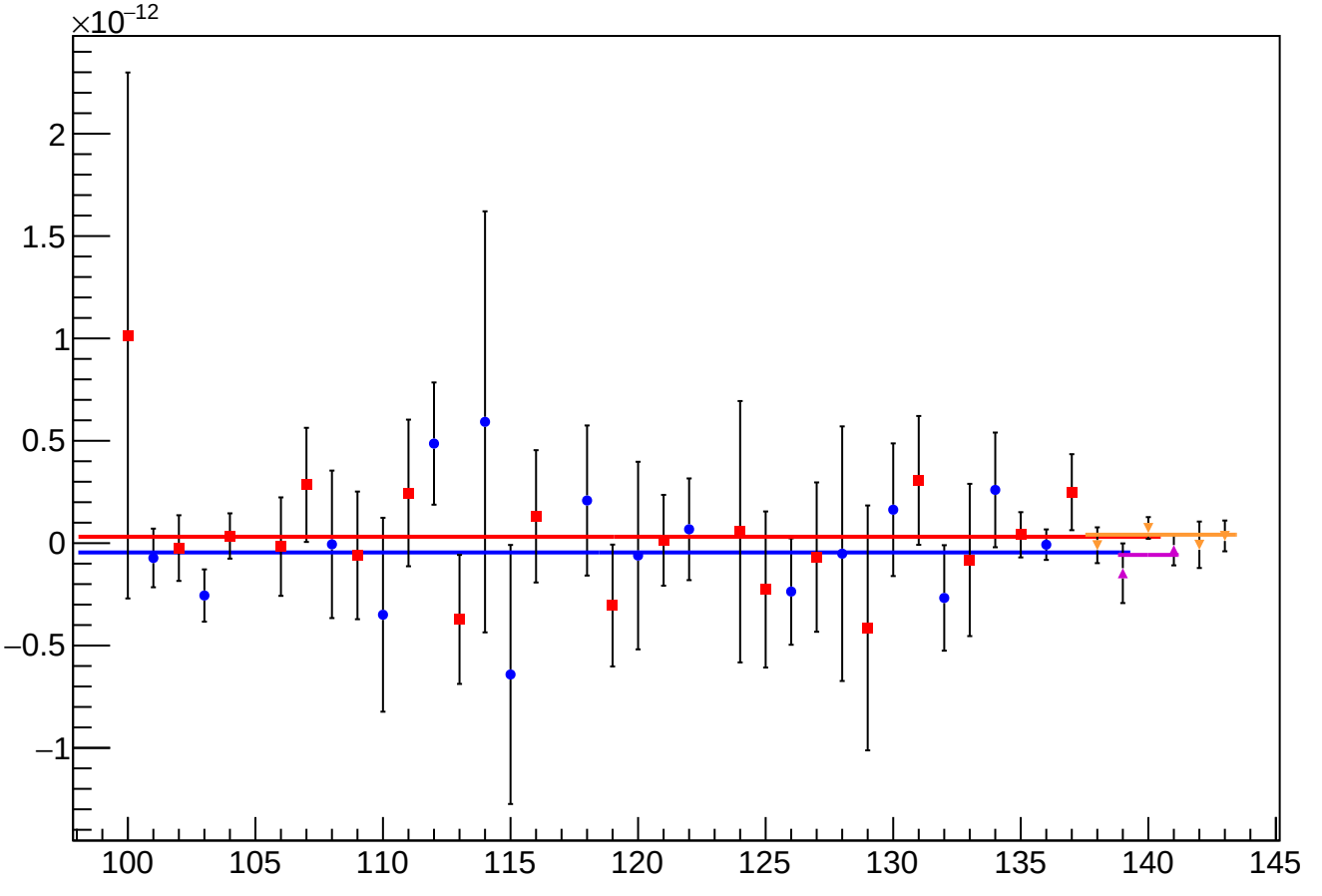
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 305.906+/-0.169 χ^2/NDF:66540.8/1

+ sign 236.306+/-0.057 χ^2/NDF: 2257905.5/19

All: 225.009+/-0.040 χ^2/NDF: 4565023.7/40

- sign 214.283+/-0.056 χ^2/NDF: 2230642.9/20



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

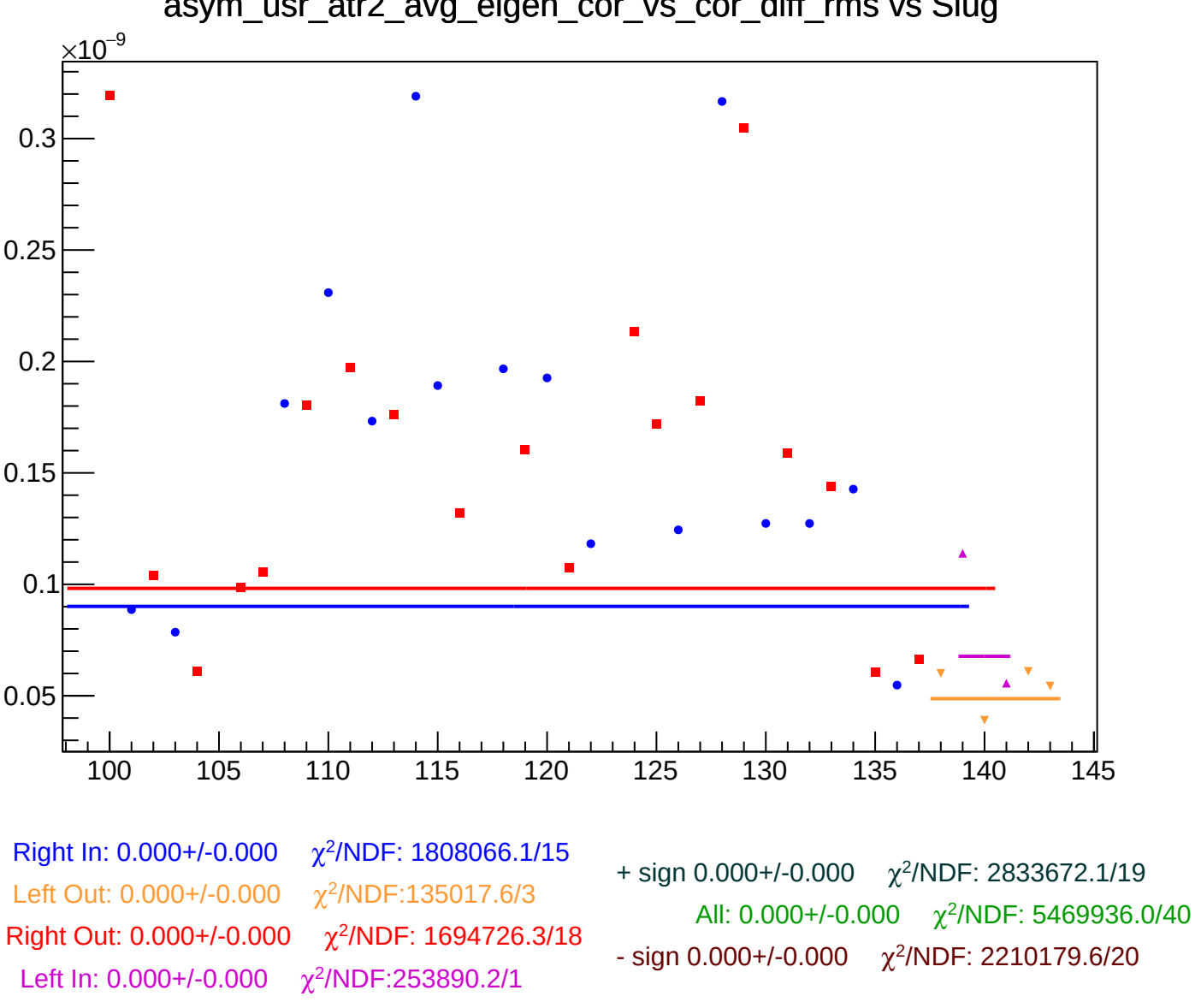
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

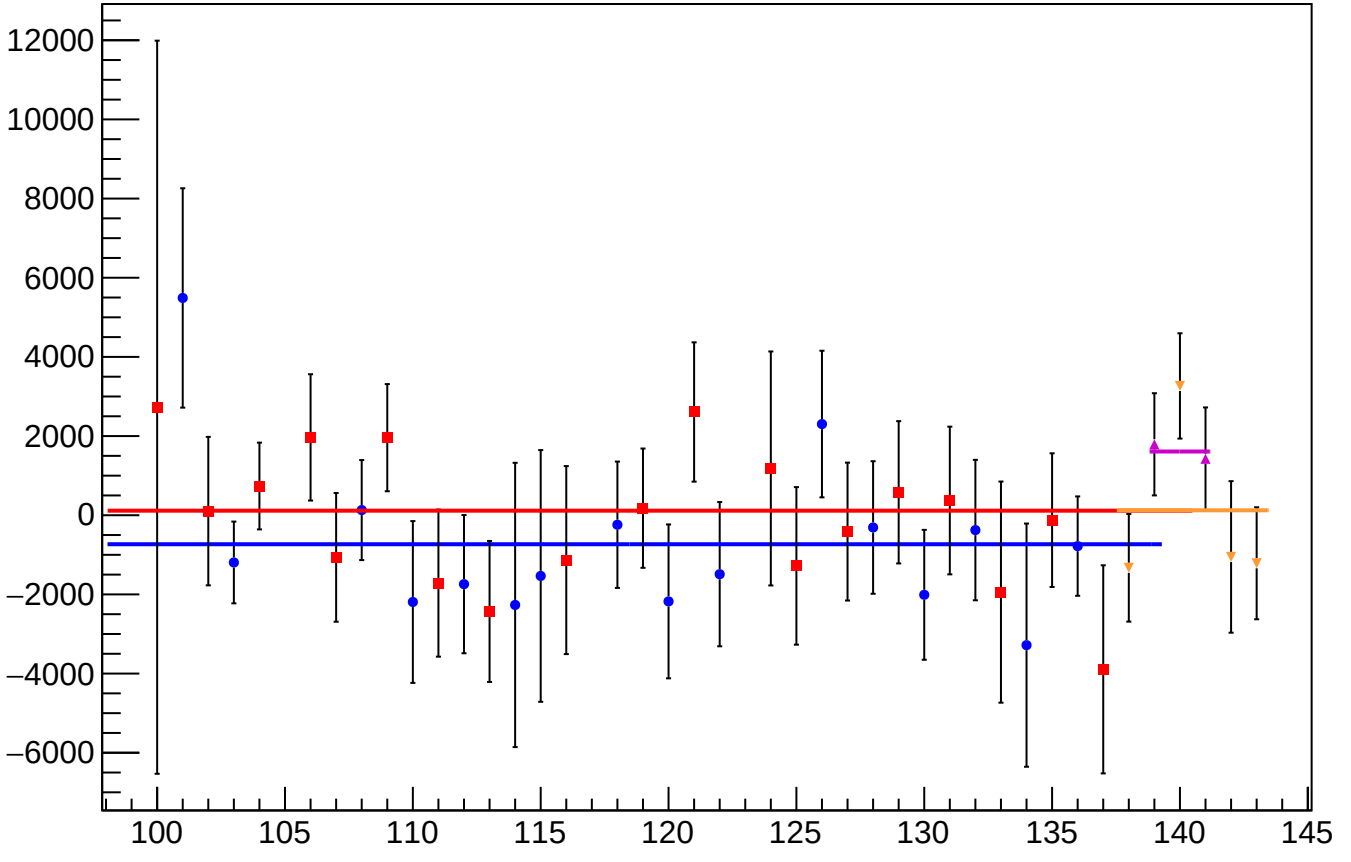
+ sign 0.000+/-0.000 χ^2/NDF: 14.3/19

All: 0.000+/-0.000 χ^2/NDF: 24.4/40

- sign -0.000+/-0.000 χ^2/NDF: 9.9/20


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:135017.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 1694726.3/18
Left In: 0.000+/-0.000 χ²/NDF:253890.2/1
+ sign 0.000+/-0.000 χ²/NDF: 2833672.1/19
All: 0.000+/-0.000 χ²/NDF: 5469936.0/40
- sign 0.000+/-0.000 χ²/NDF: 2210179.6/20

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 124.582+/-729.542 χ^2/NDF:8.0/3

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

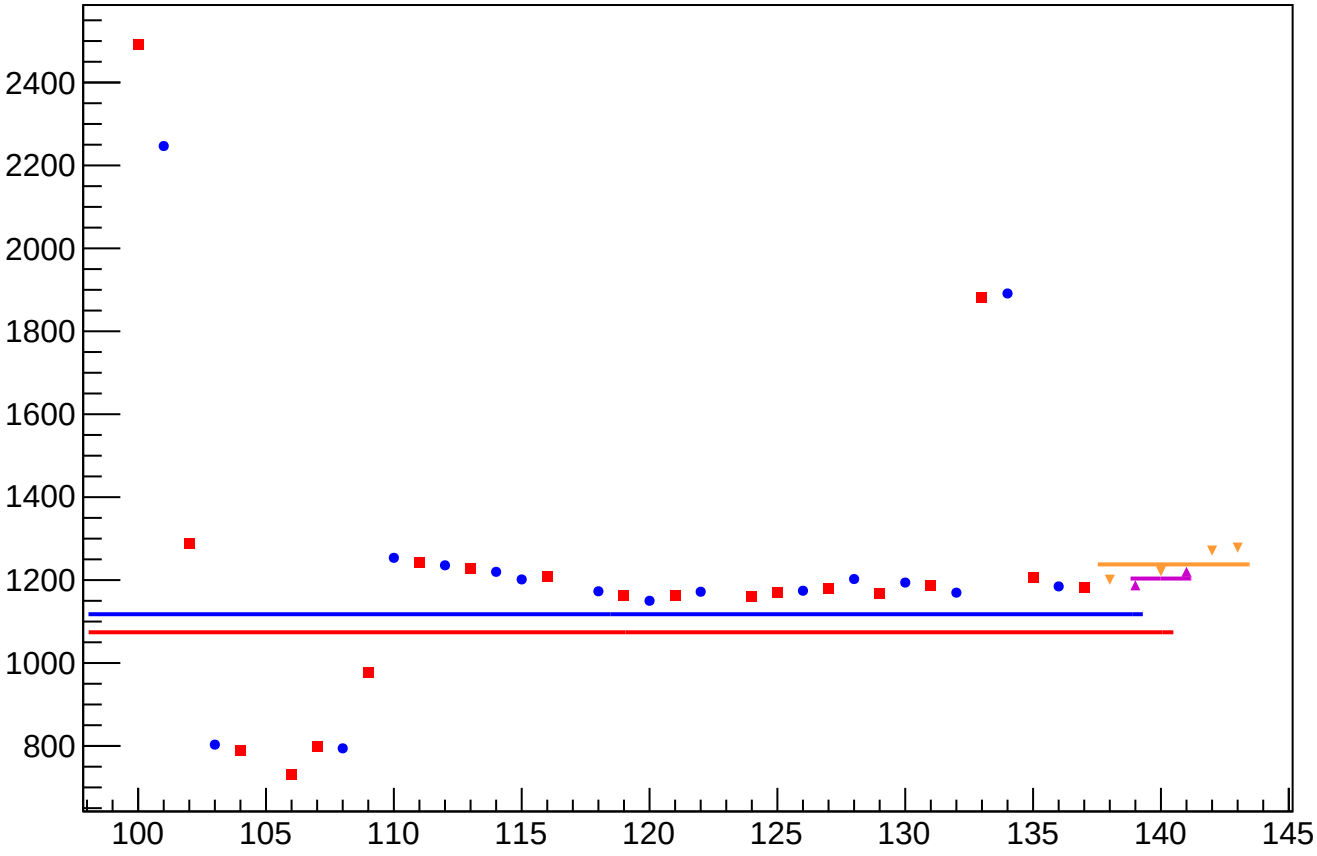
Left In: 1610.015+/-914.807 χ^2/NDF:0.0/1

+ sign -513.695+/-368.765 χ^2/NDF: 20.7/19

All: -81.218+/-263.013 χ^2/NDF: 38.9/40

- sign 366.563+/-375.233 χ^2/NDF: 15.4/20

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1237.828+/-0.516 χ^2/NDF:4020.5/3

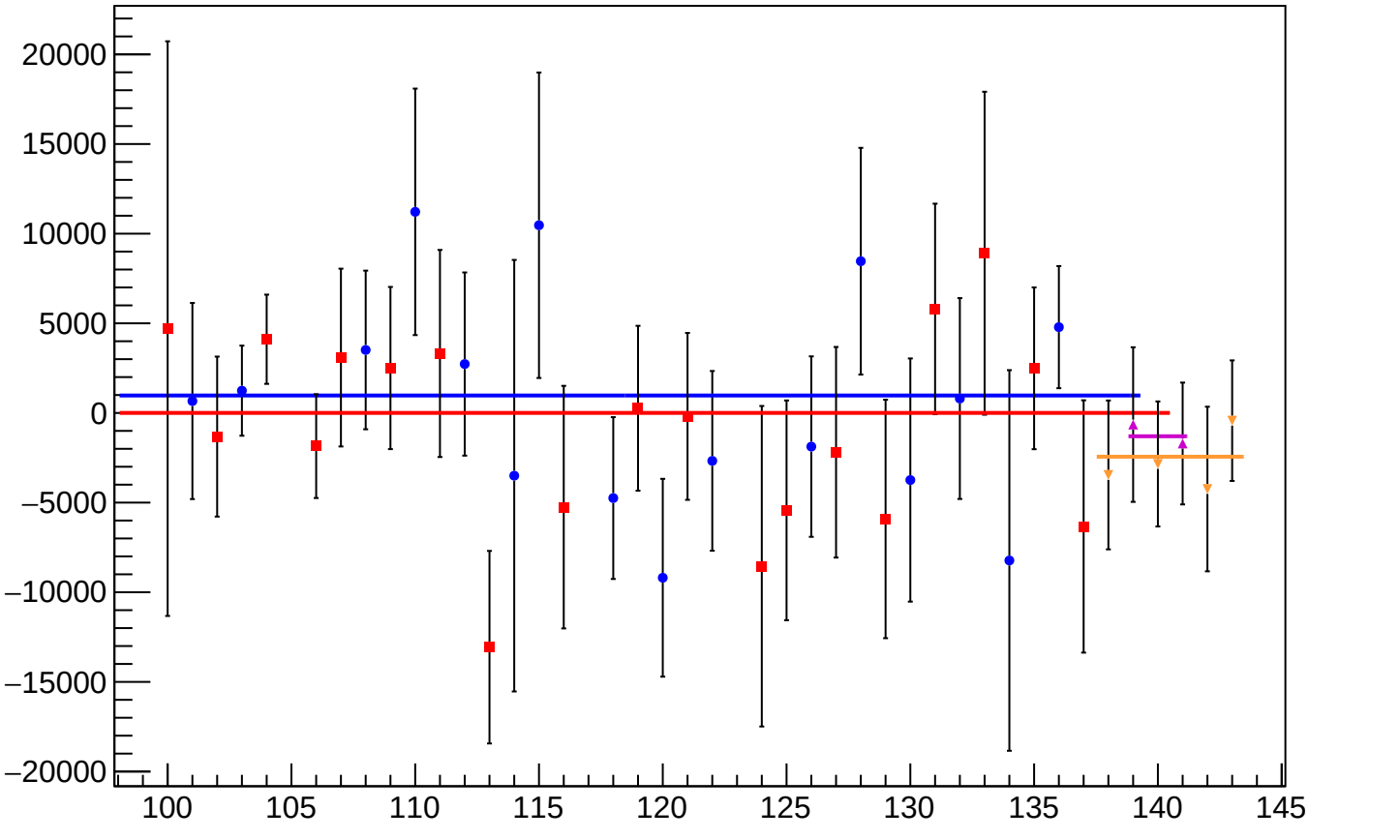
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1203.699+/-0.647 χ^2/NDF:638.3/1

+ sign 1148.381+/-0.261 χ^2/NDF: 864238.4/19

All: 1122.289+/-0.185 χ^2/NDF: 1568077.0/40

- sign 1095.645+/-0.263 χ^2/NDF: 683601.2/20



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -2439.917+/-1902.631 χ^2/NDF:0.6/3

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

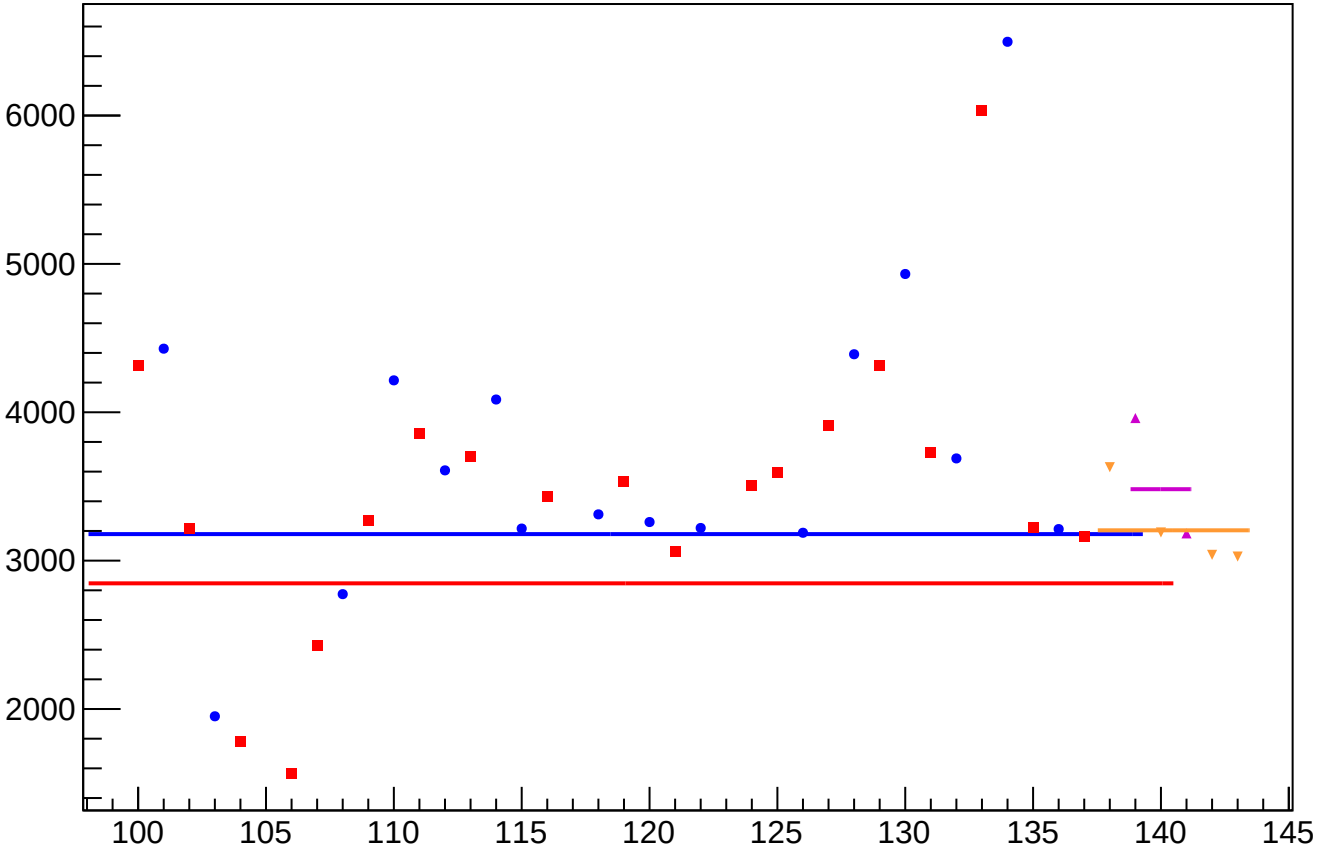
Left In: -1299.509+/-2668.627 χ^2/NDF:0.0/1

+ sign -35.585+/-1034.576 χ^2/NDF: 16.7/19

All: -113.470+/-729.199 χ^2/NDF: 33.5/40

- sign -190.358+/-1027.943 χ^2/NDF: 16.8/20

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3204.412+/-1.345 χ^2/NDF:29171.5/3

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

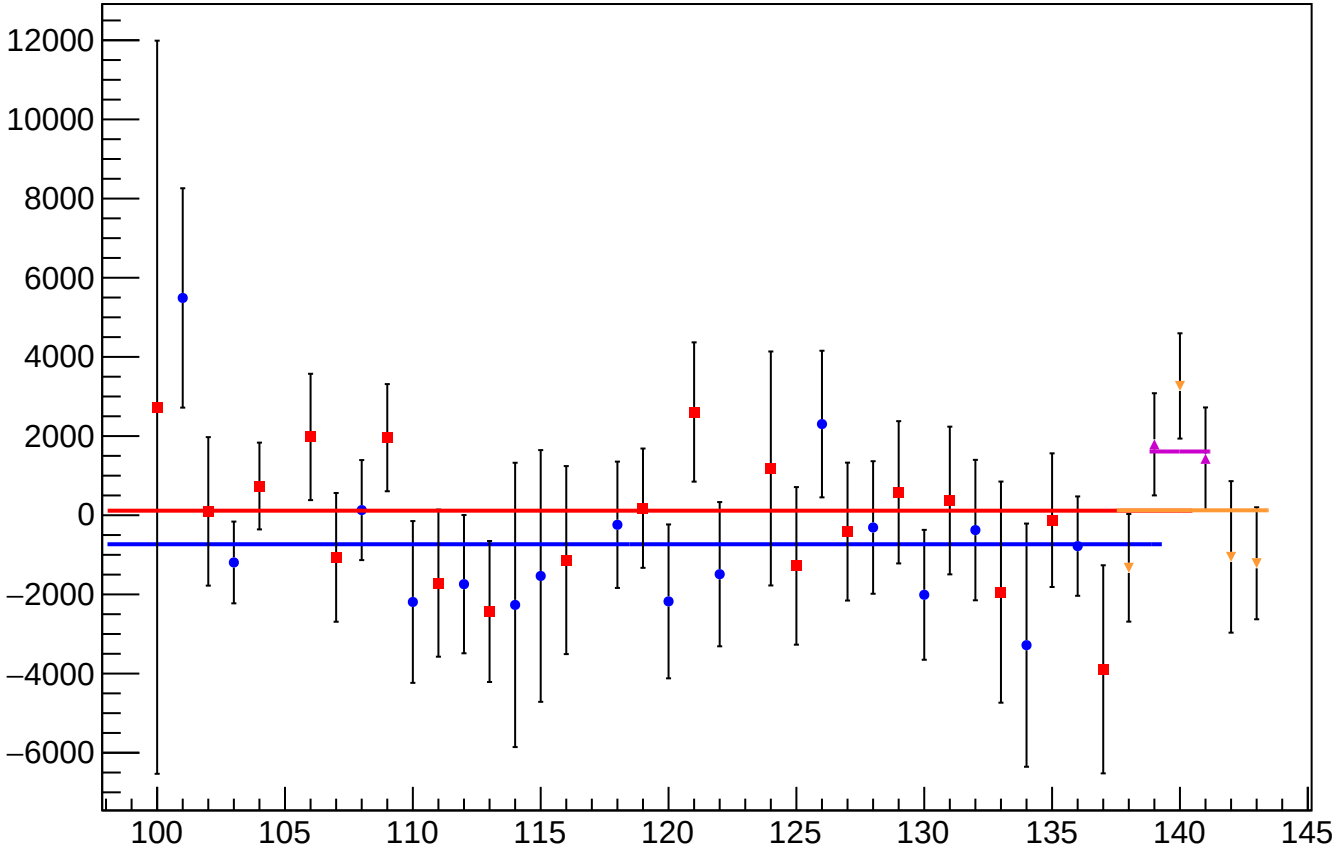
Left In: 3481.561+/-1.887 χ^2/NDF:40121.5/1

+ sign 3186.422+/-0.732 χ^2/NDF: 1121102.2/19

All: 3063.006+/-0.516 χ^2/NDF: 2825243.0/40

- sign 2941.167+/-0.727 χ^2/NDF: 1647582.4/20

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 124.667+/-729.542 χ^2/NDF:8.0/3

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

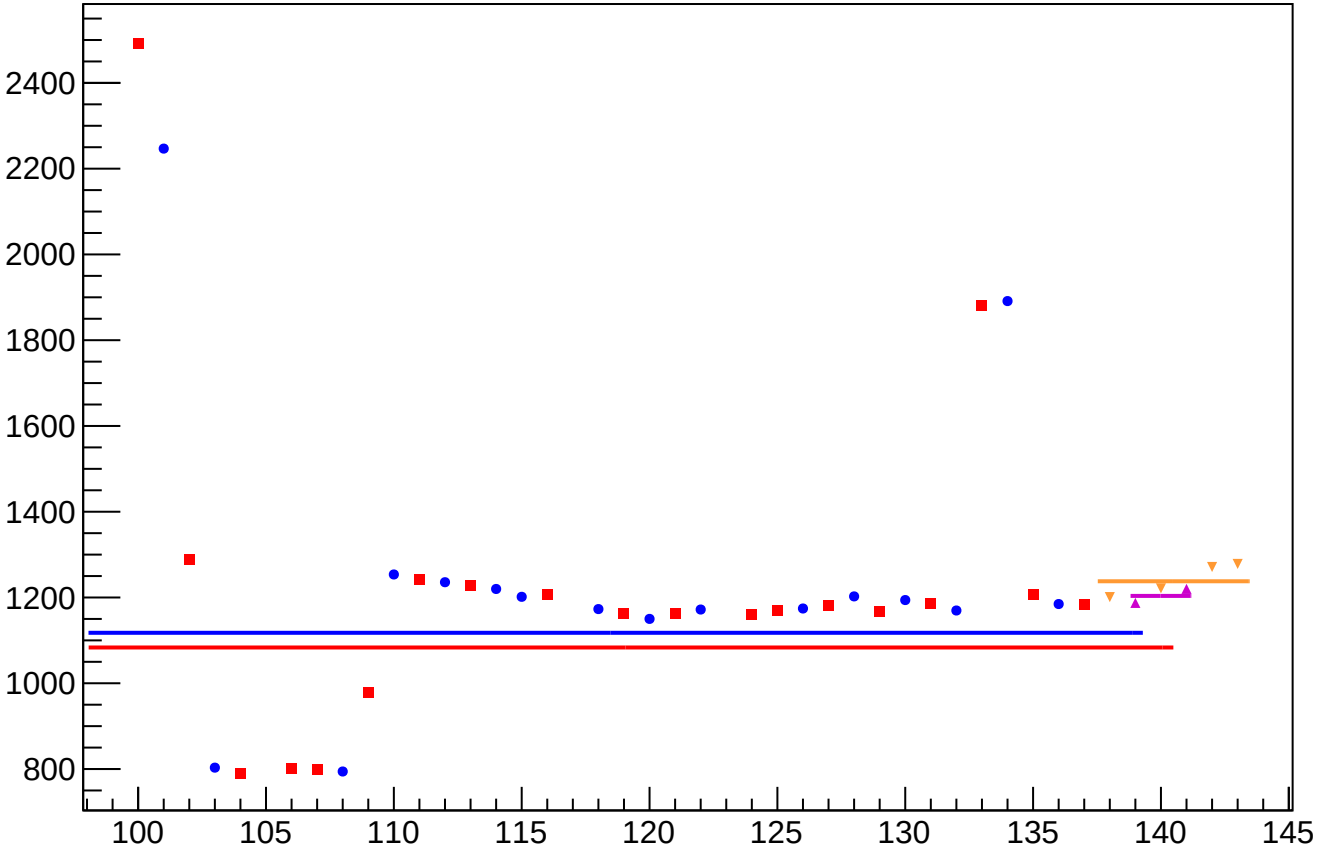
Left In: 1610.073+/-914.807 χ^2/NDF:0.0/1

+ sign -513.625+/-368.765 χ^2/NDF: 20.7/19

All: -81.070+/-263.014 χ^2/NDF: 38.9/40

- sign 366.799+/-375.236 χ^2/NDF: 15.4/20

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1237.828+/-0.516 χ^2/NDF:4020.5/3

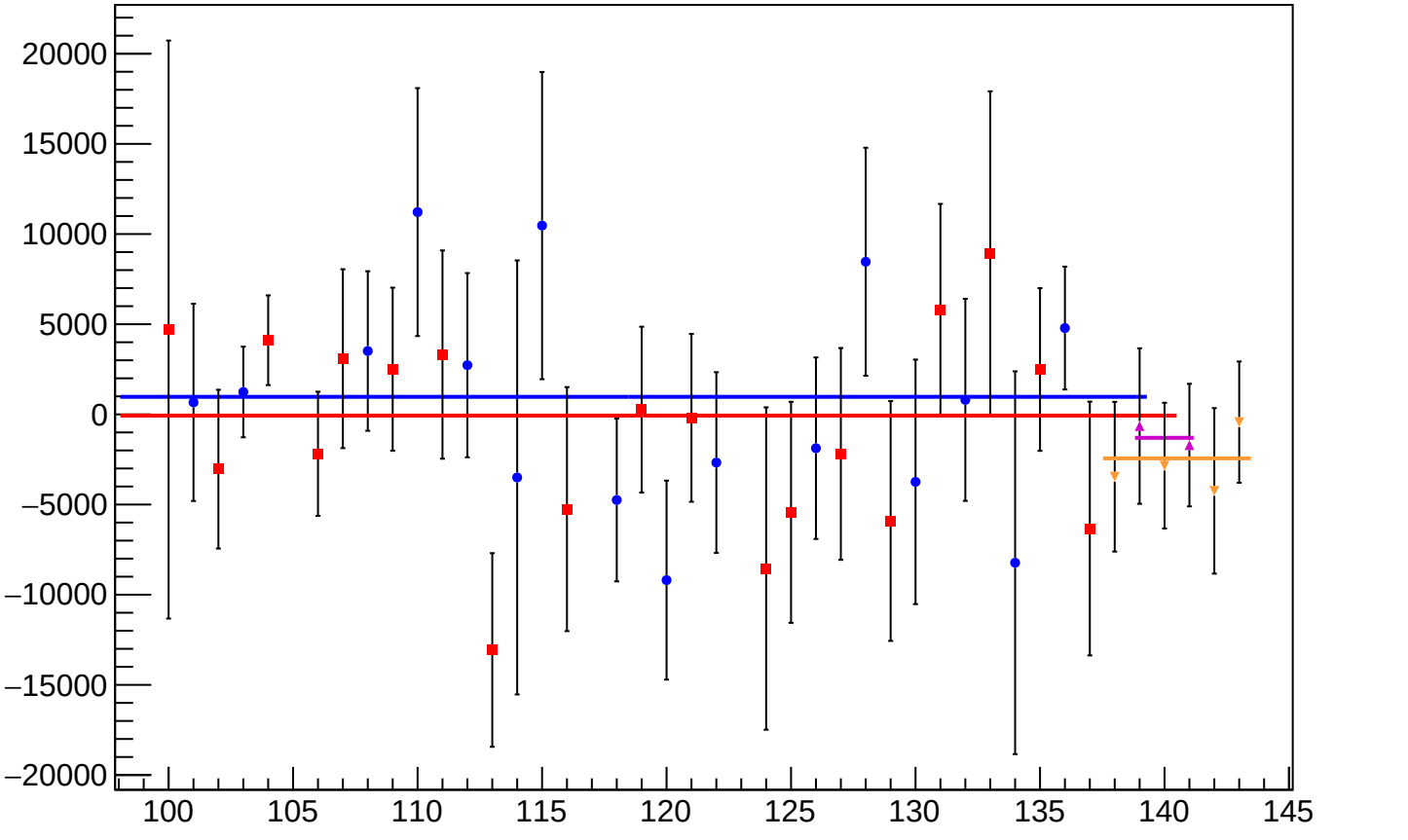
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1203.699+/-0.647 χ^2/NDF:638.3/1

+ sign 1148.381+/-0.261 χ^2/NDF: 864234.5/19

All: 1126.341+/-0.186 χ^2/NDF: 1503183.2/40

- sign 1103.593+/-0.265 χ^2/NDF: 624430.1/20



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2439.791+/-1902.623 χ^2/NDF:0.6/3

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

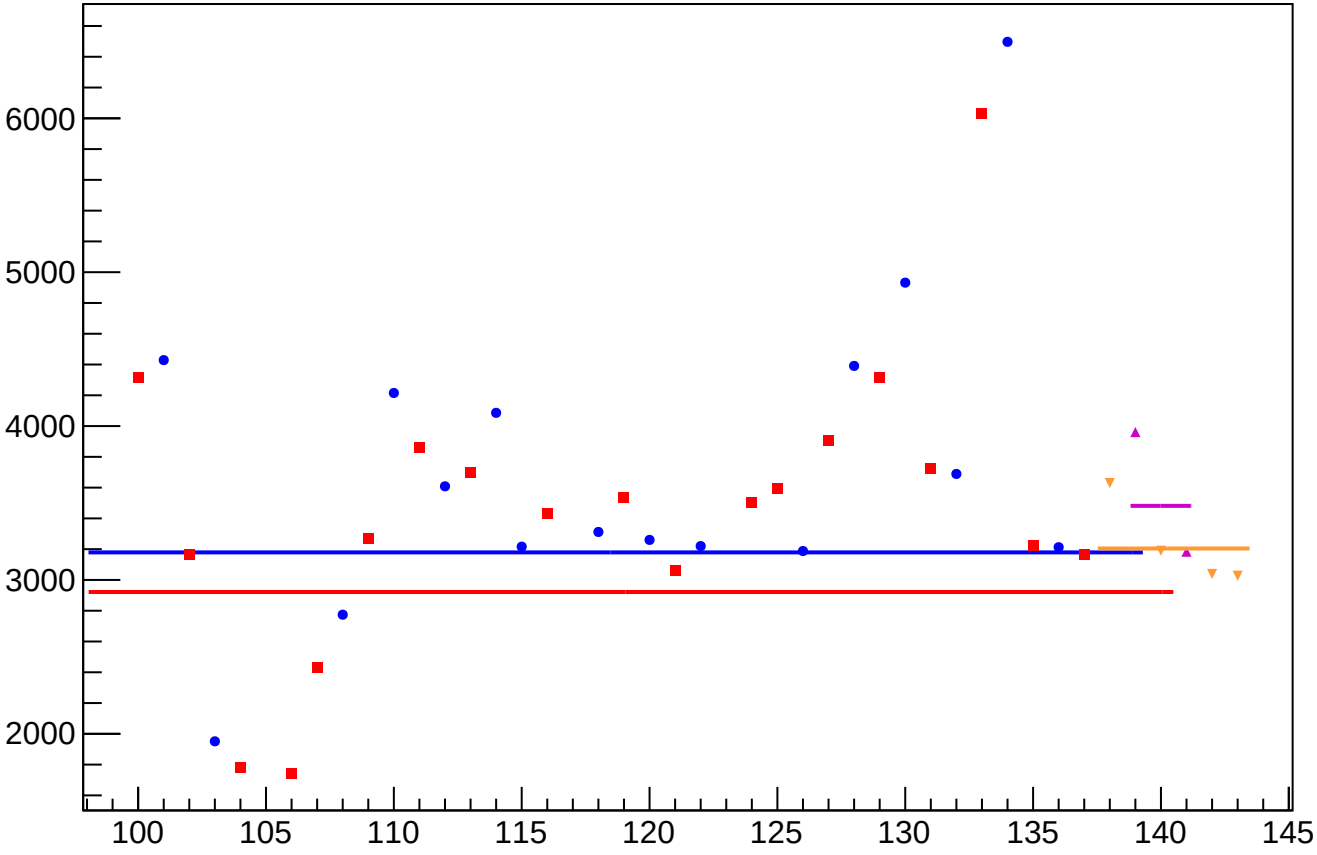
Left In: -1299.475+/-2668.627 χ^2/NDF:0.0/1

+ sign -35.963+/-1034.604 χ^2/NDF: 16.7/19

All: -145.049+/-735.819 χ^2/NDF: 33.8/40

- sign -256.703+/-1046.710 χ^2/NDF: 17.2/20

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3204.398+/-1.345 χ^2/NDF:29172.6/3

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

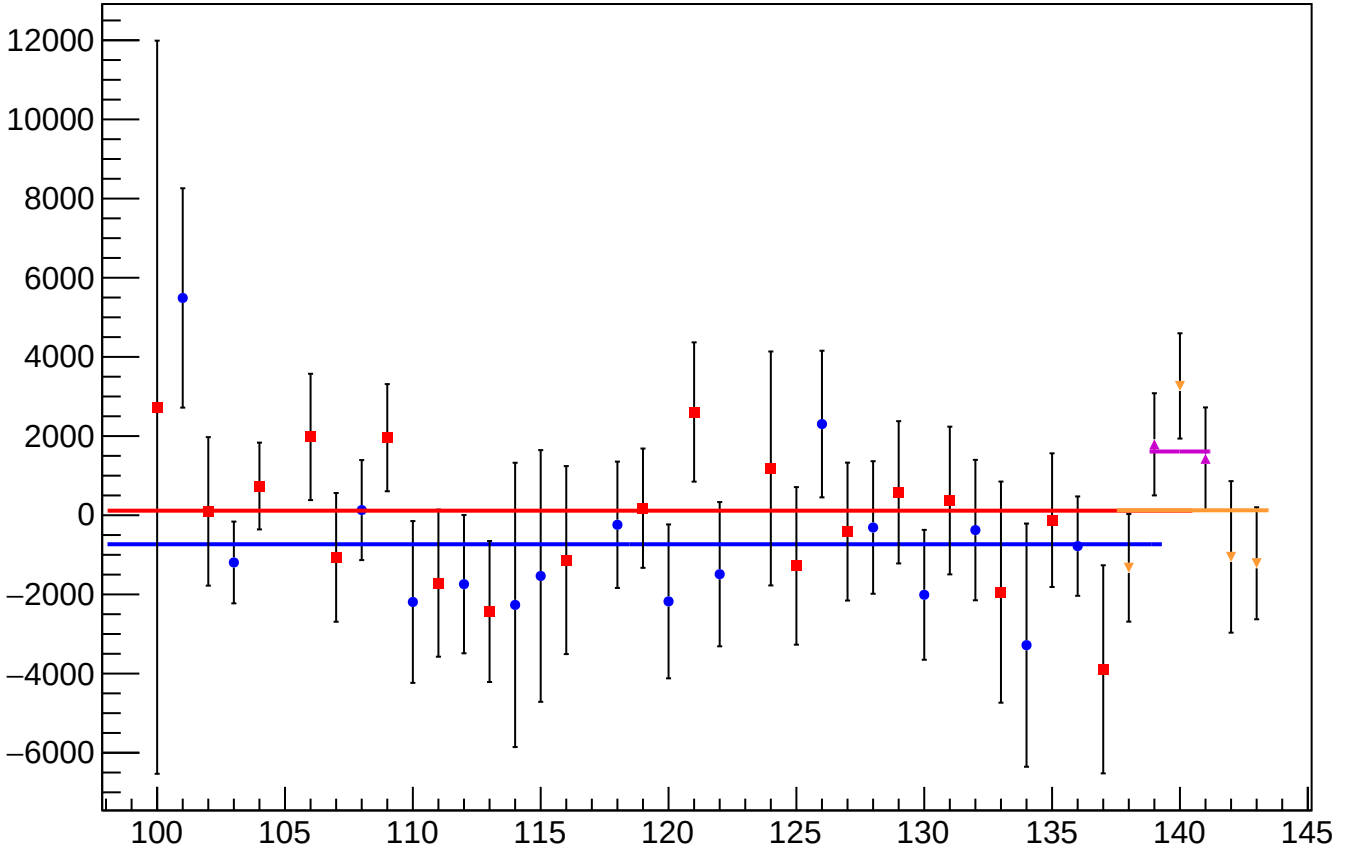
Left In: 3481.560+/-1.887 χ^2/NDF:40121.4/1

+ sign 3186.548+/-0.732 χ^2/NDF: 1120659.0/19

All: 3098.204+/-0.520 χ^2/NDF: 2577679.0/40

- sign 3007.780+/-0.740 χ^2/NDF: 1427511.5/20

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 124.667+/-729.542 χ^2/NDF:8.0/3

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

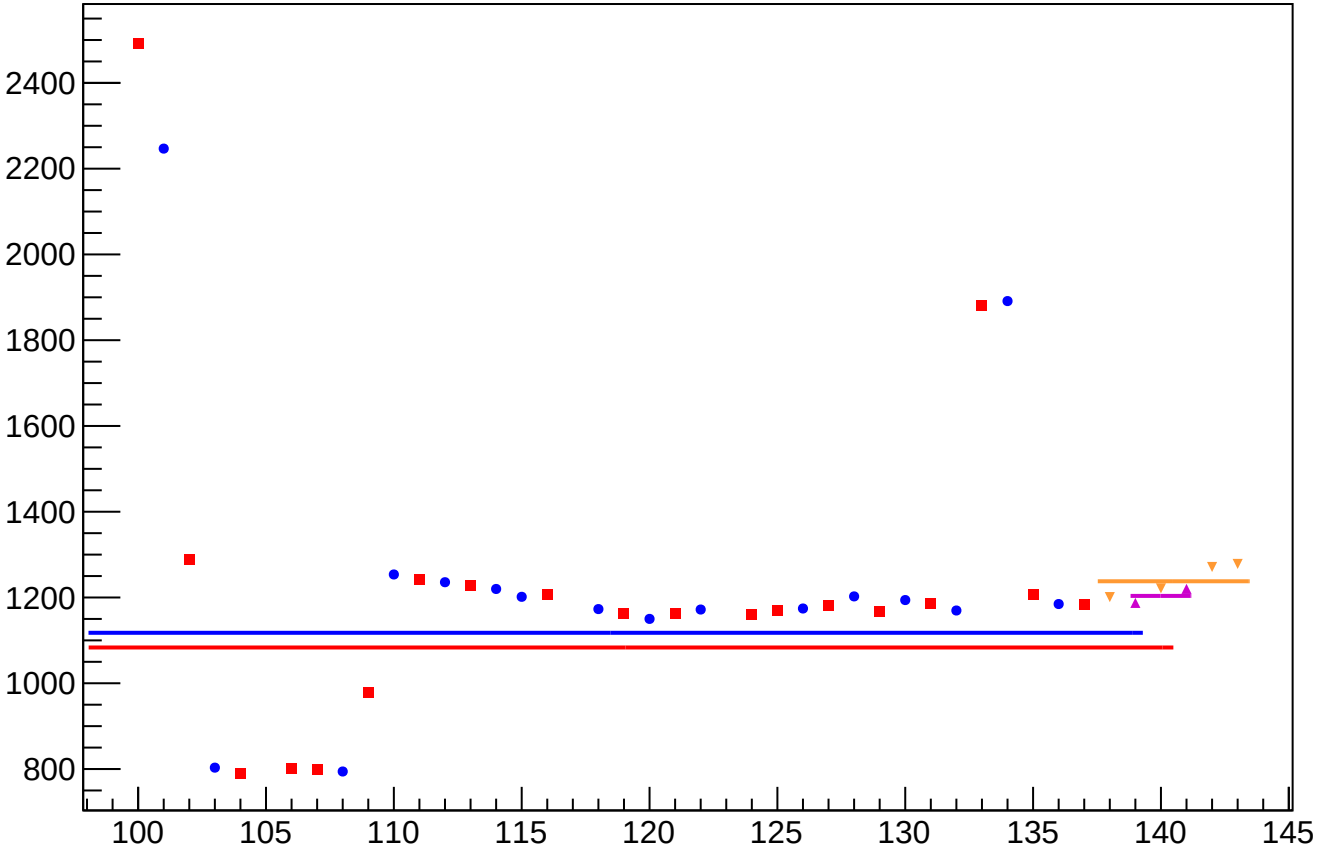
Left In: 1610.073+/-914.807 χ^2/NDF:0.0/1

+ sign -513.625+/-368.765 χ^2/NDF: 20.7/19

All: -81.070+/-263.014 χ^2/NDF: 38.9/40

- sign 366.799+/-375.236 χ^2/NDF: 15.4/20

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1237.828+/-0.516 χ^2/NDF:4020.5/3

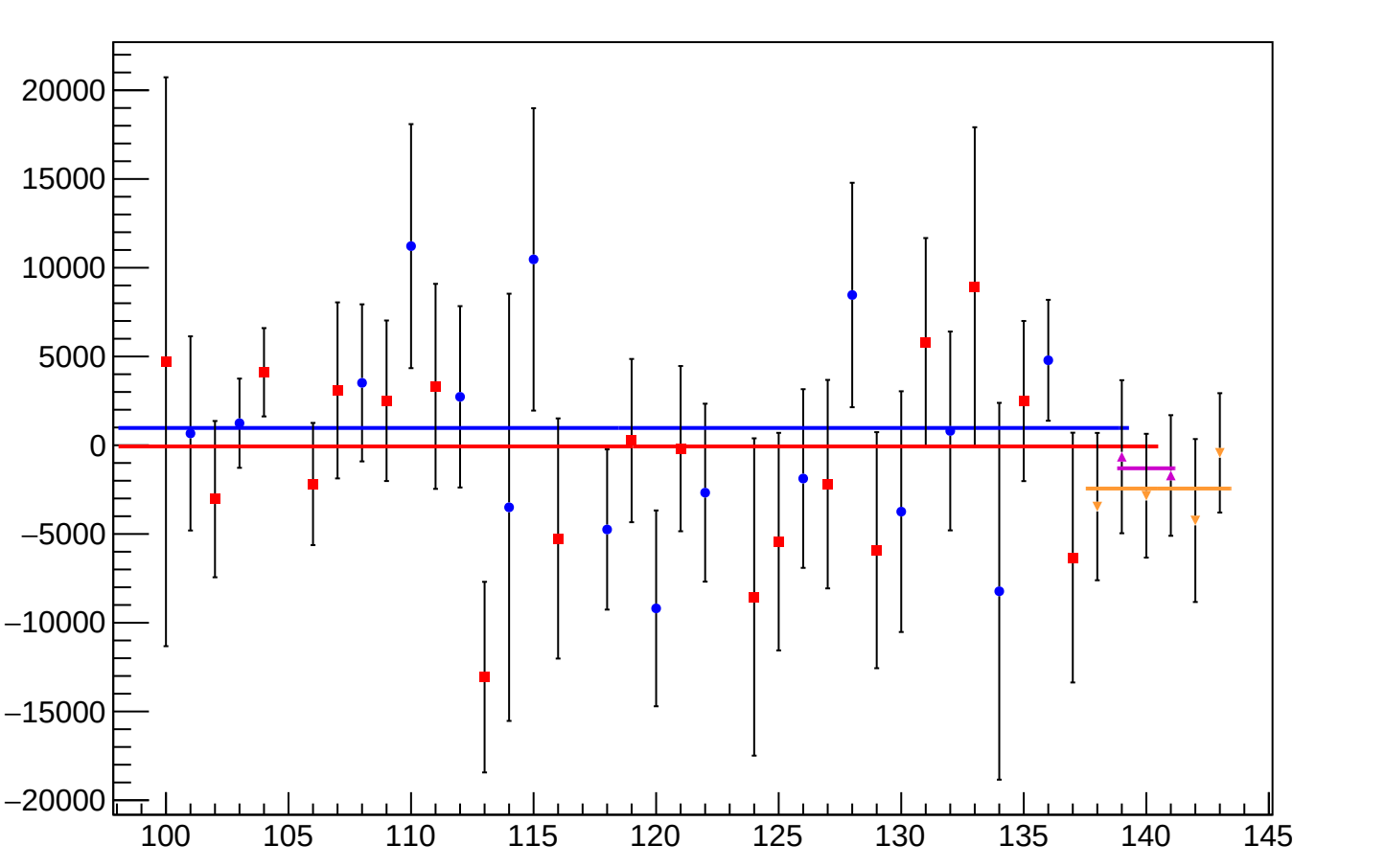
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1203.699+/-0.647 χ^2/NDF:638.3/1

+ sign 1148.381+/-0.261 χ^2/NDF: 864234.5/19

All: 1126.341+/-0.186 χ^2/NDF: 1503183.2/40

- sign 1103.593+/-0.265 χ^2/NDF: 624430.1/20



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2439.791+/-1902.623 χ^2/NDF:0.6/3

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

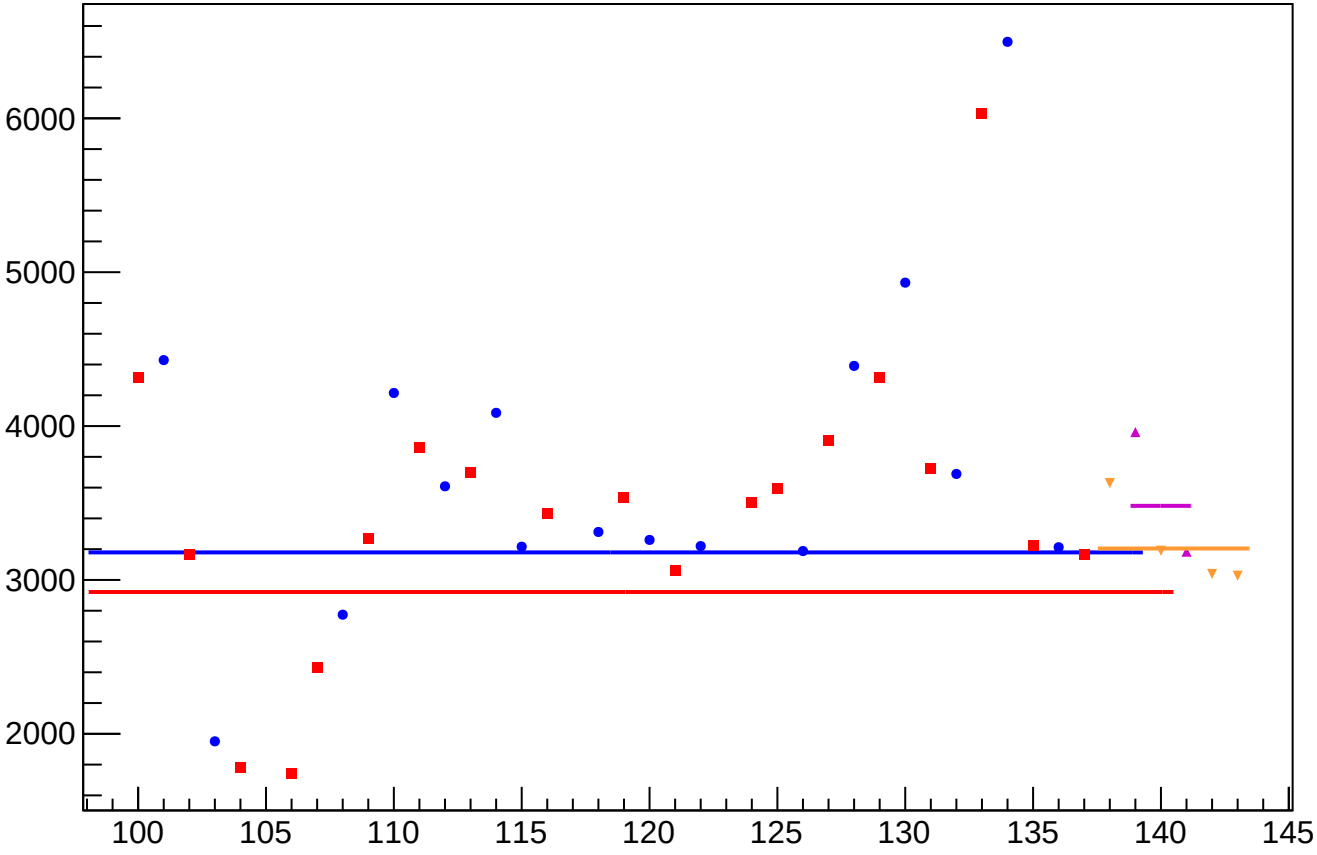
Left In: -1299.475+/-2668.627 χ^2/NDF:0.0/1

+ sign -35.963+/-1034.604 χ^2/NDF: 16.7/19

All: -145.049+/-735.819 χ^2/NDF: 33.8/40

- sign -256.703+/-1046.710 χ^2/NDF: 17.2/20

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3204.398+/-1.345 χ^2/NDF:29172.6/3

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

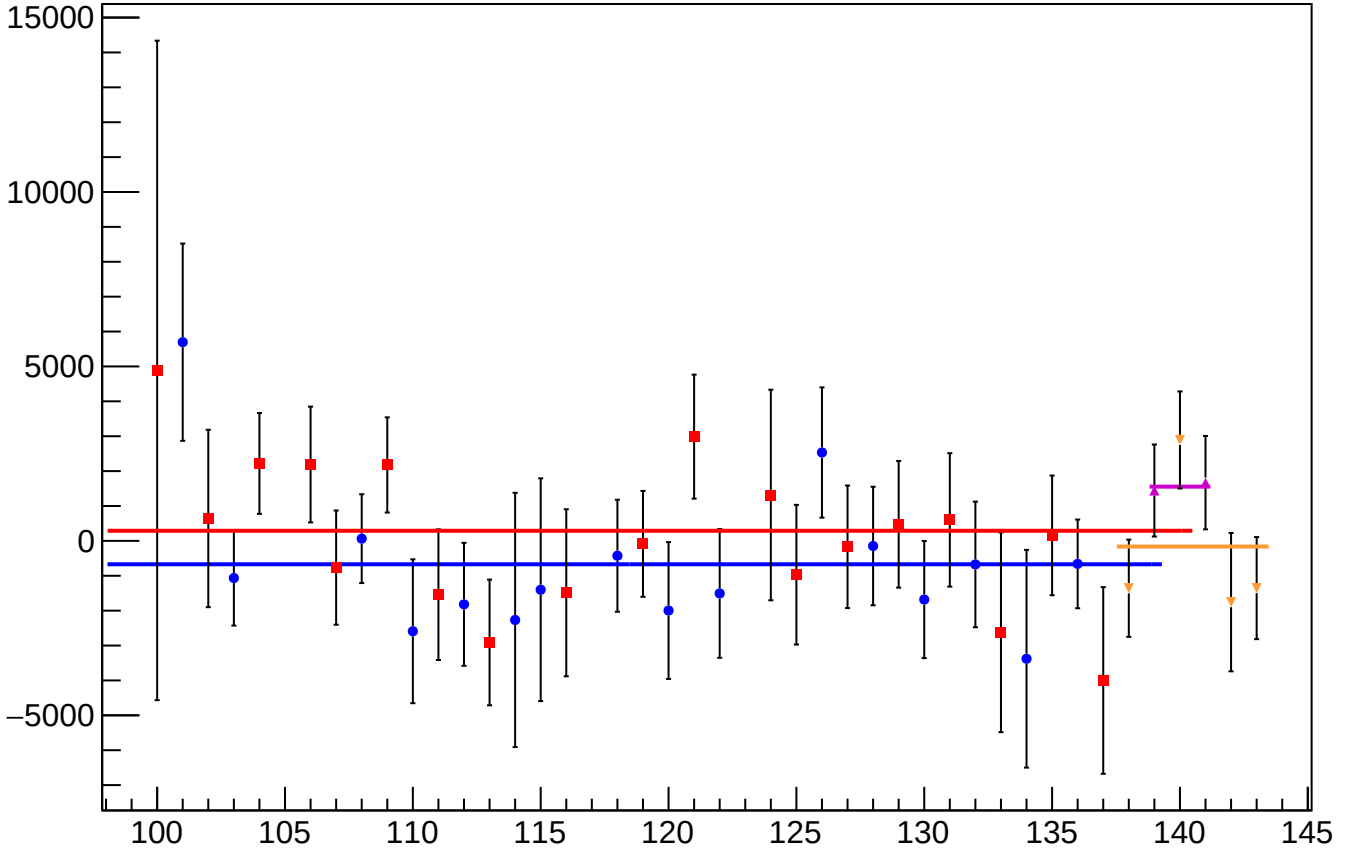
Left In: 3481.560+/-1.887 χ^2/NDF:40121.4/1

+ sign 3186.548+/-0.732 χ^2/NDF: 1120659.0/19

All: 3098.204+/-0.520 χ^2/NDF: 2577679.0/40

- sign 3007.780+/-0.740 χ^2/NDF: 1427511.5/20

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: -162.191+/-755.306 χ^2/NDF:6.9/3

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

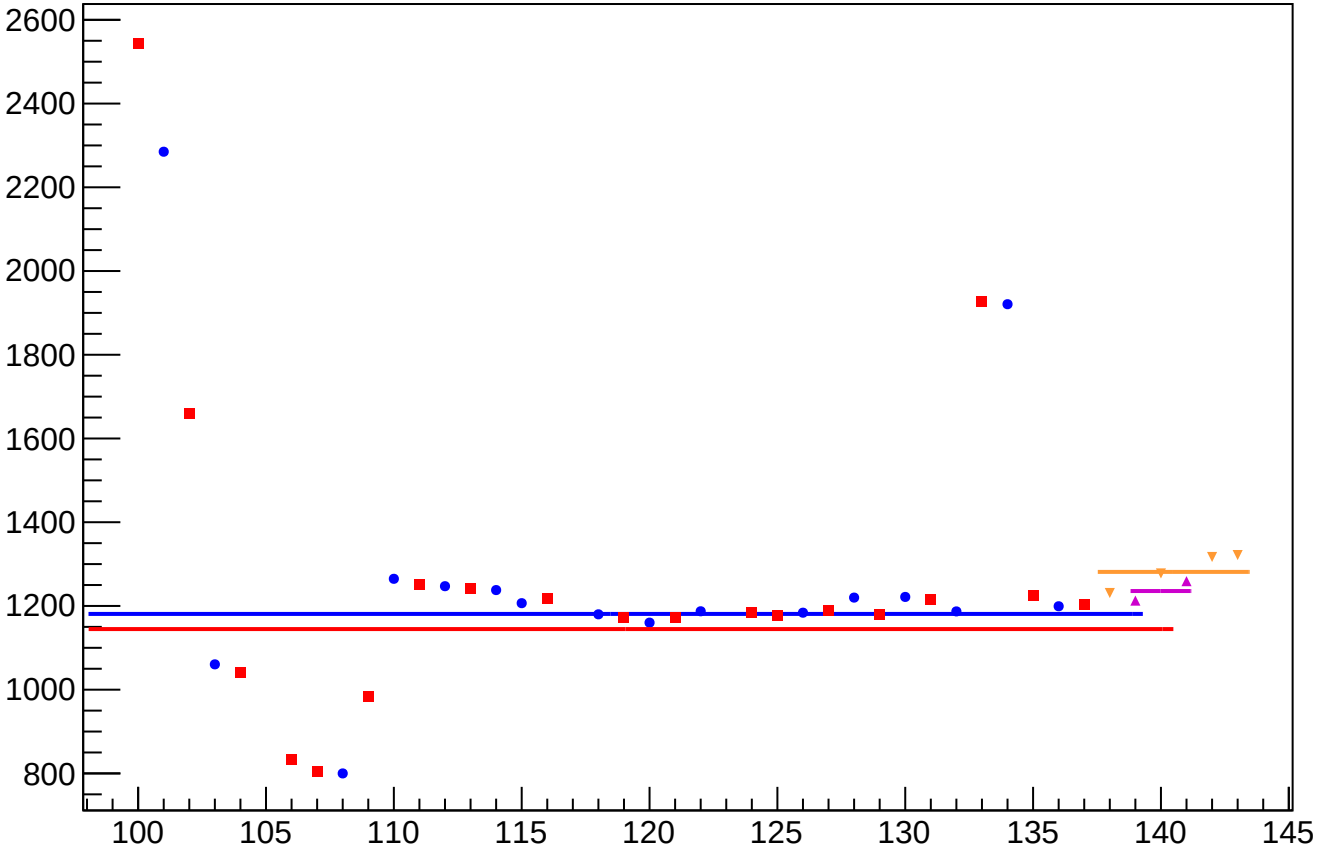
Left In: 1554.721+/-939.224 χ^2/NDF:0.0/1

+ sign -538.229+/-385.636 χ^2/NDF: 19.1/19

All: -24.206+/-275.695 χ^2/NDF: 41.1/40

- sign 513.145+/-394.290 χ^2/NDF: 18.4/20

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1281.340+/-0.534 χ^2/NDF:4790.0/3

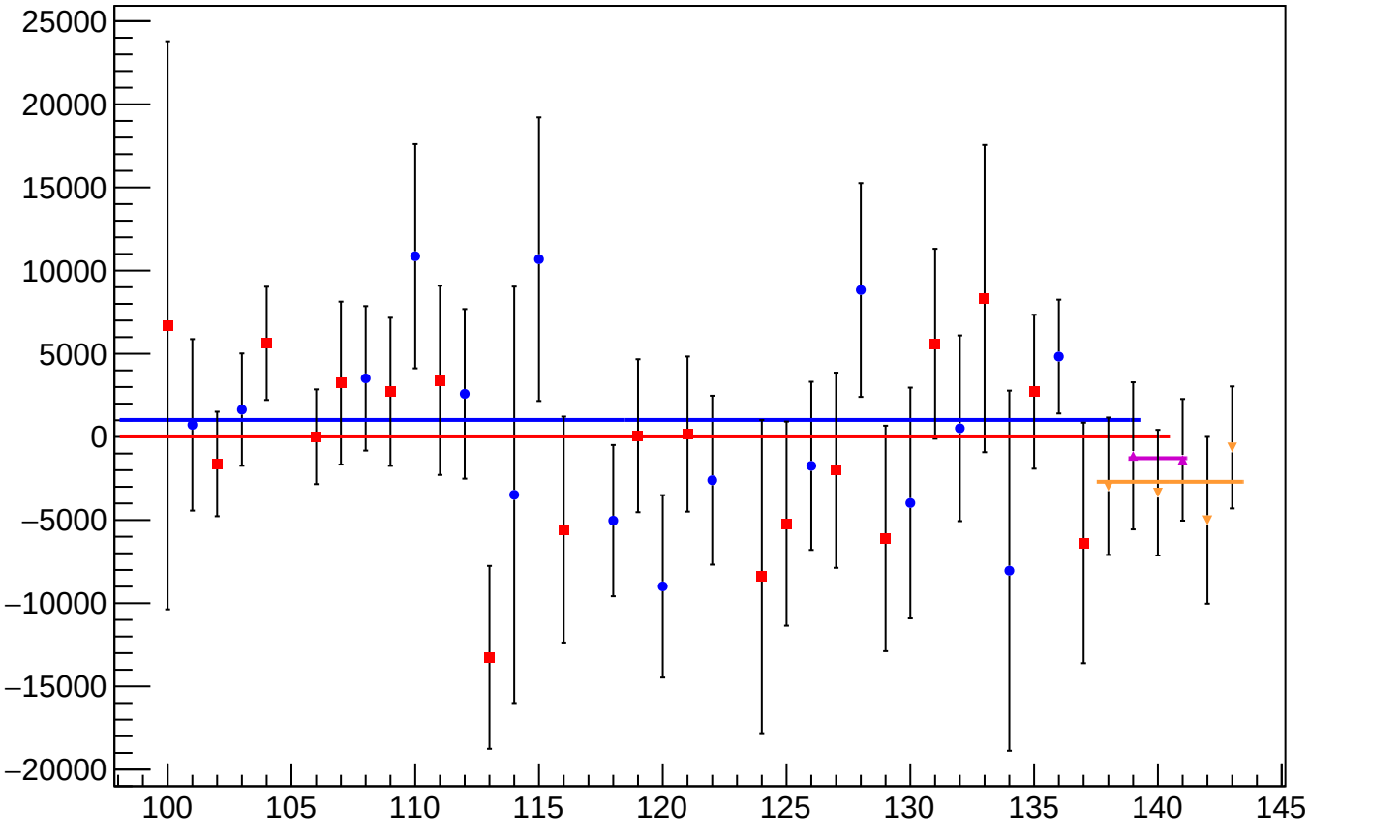
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1235.640+/-0.664 χ^2/NDF:1222.8/1

+ sign 1207.124+/-0.273 χ^2/NDF: 652787.1/19

All: 1184.456+/-0.195 χ^2/NDF: 1181290.8/40

- sign 1160.778+/-0.279 χ^2/NDF: 514375.6/20



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2698.073+/-2029.586 χ^2/NDF:0.6/3

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

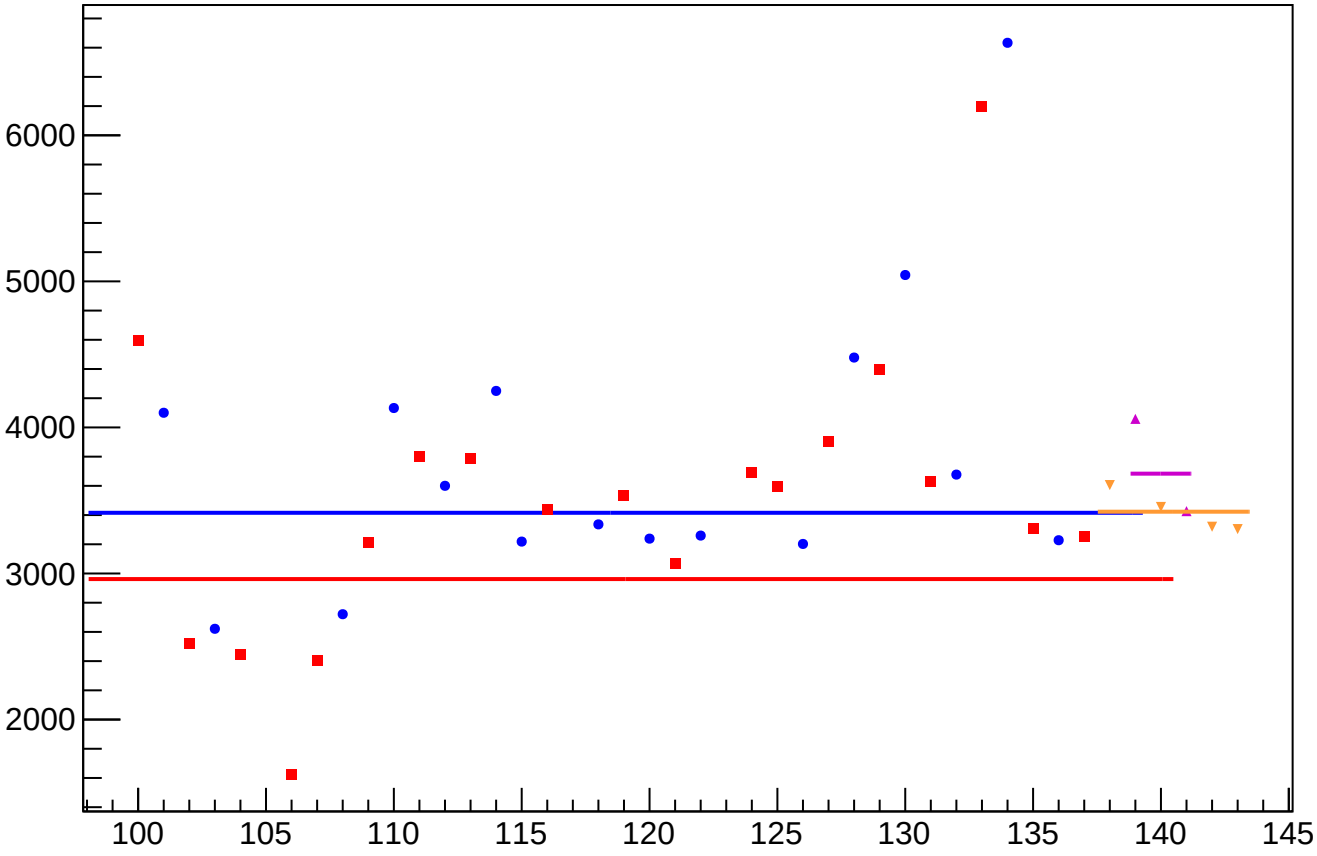
Left In: -1280.365+/-2818.391 χ^2/NDF:0.0/1

\+ sign -63.777+/-1096.142 χ^2/NDF: 16.8/19

All: -109.579+/-758.036 χ^2/NDF: 33.1/40

\- sign -151.560+/-1049.433 χ^2/NDF: 16.3/20

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3423.055+/-1.435 χ^2/NDF:6992.2/3

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

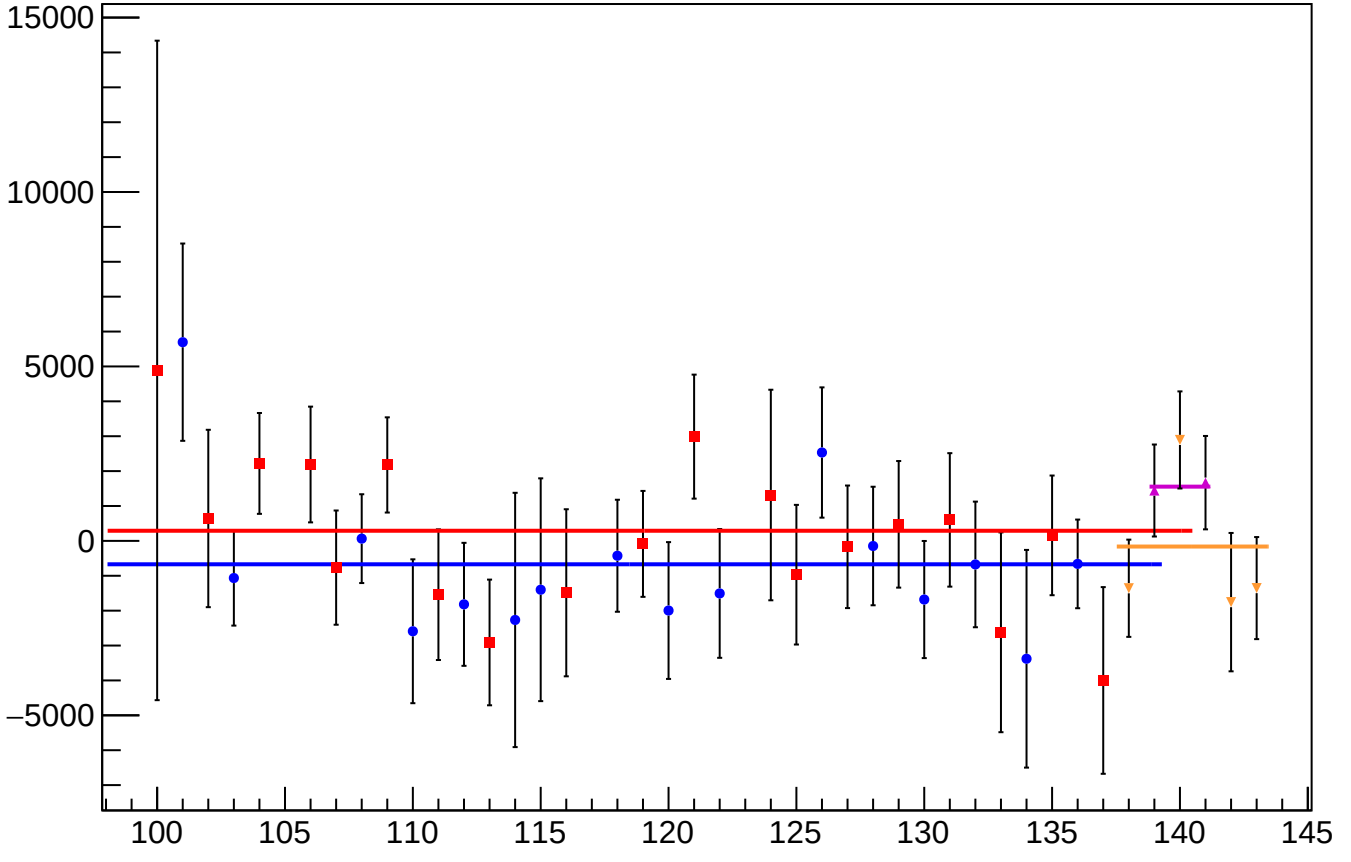
Left In: 3683.462+/-1.993 χ^2/NDF:24237.5/1

+ sign 3417.771+/-0.775 χ^2/NDF: 599355.3/19

All: 3232.068+/-0.536 χ^2/NDF: 2015816.4/40

- sign 3061.854+/-0.742 χ^2/NDF: 1306443.0/20

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: -162.190+/-755.306 χ^2/NDF:6.9/3

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

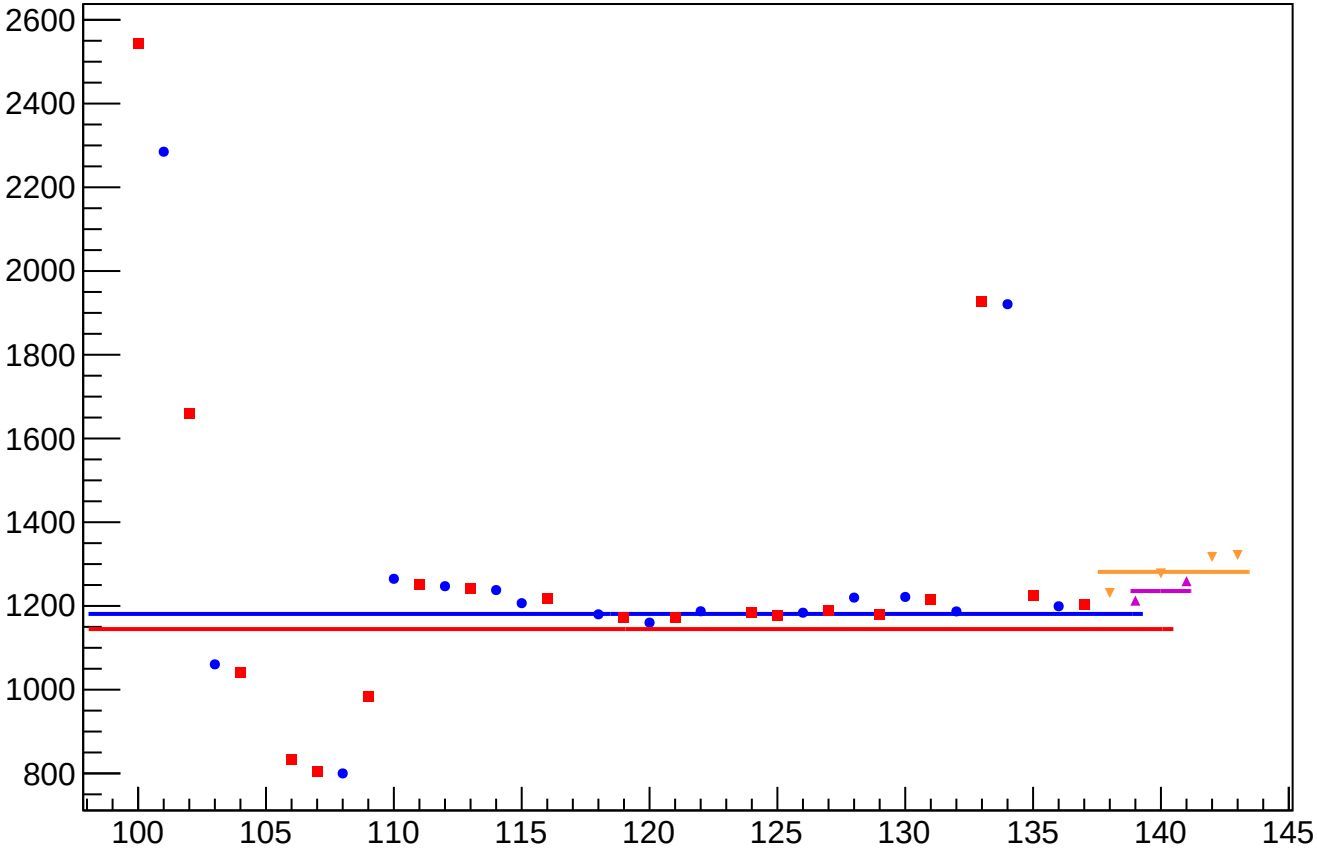
Left In: 1554.705+/-939.224 χ^2/NDF:0.0/1

+ sign -538.232+/-385.636 χ^2/NDF: 19.1/19

All: -24.207+/-275.695 χ^2/NDF: 41.1/40

- sign 513.147+/-394.290 χ^2/NDF: 18.4/20

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1281.340+/-0.534 χ^2/NDF:4790.0/3

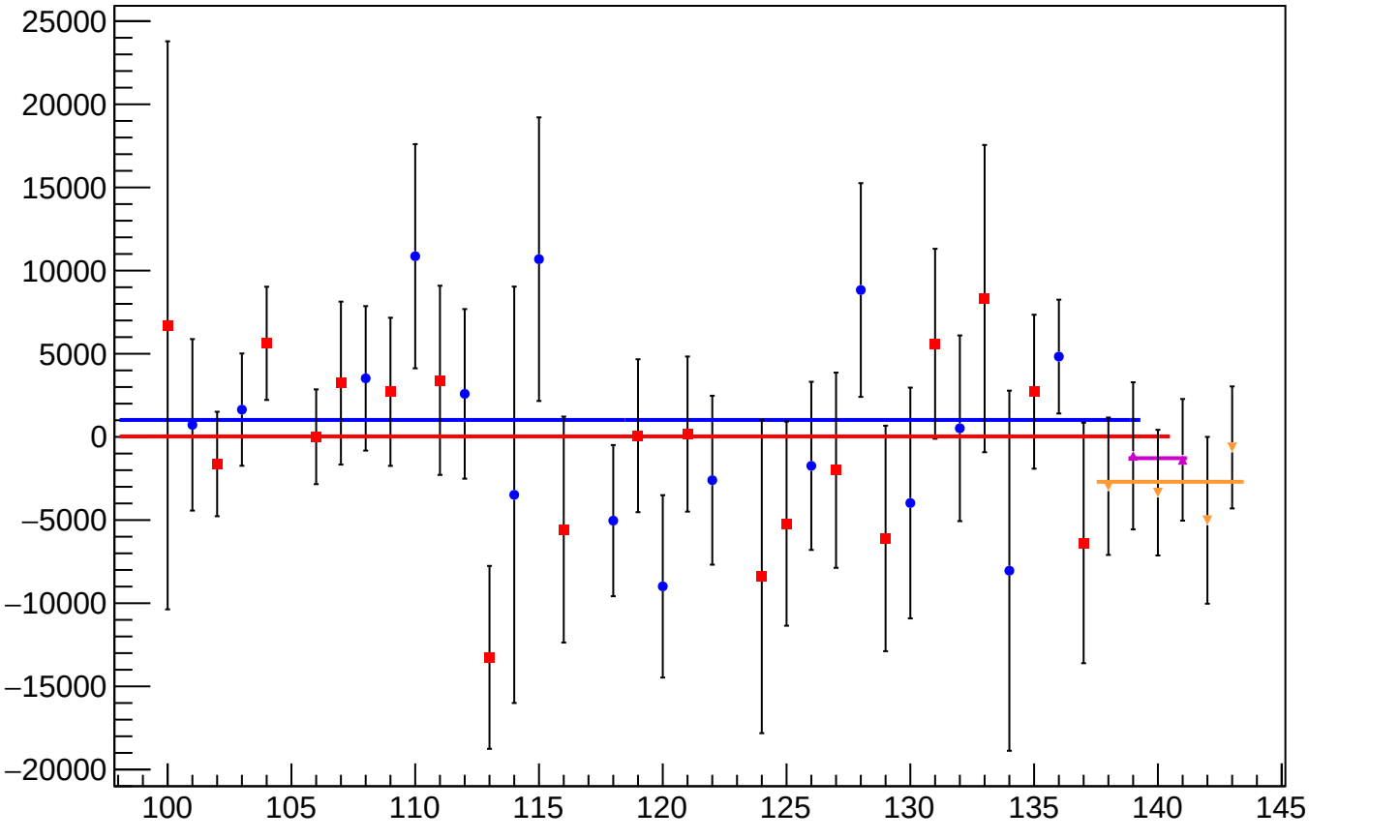
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1235.641+/-0.664 χ^2/NDF:1222.7/1

+ sign 1207.124+/-0.273 χ^2/NDF: 652787.8/19

All: 1184.457+/-0.195 χ^2/NDF: 1181290.8/40

- sign 1160.778+/-0.279 χ^2/NDF: 514375.1/20



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2698.077+/-2029.588 χ^2/NDF:0.6/3

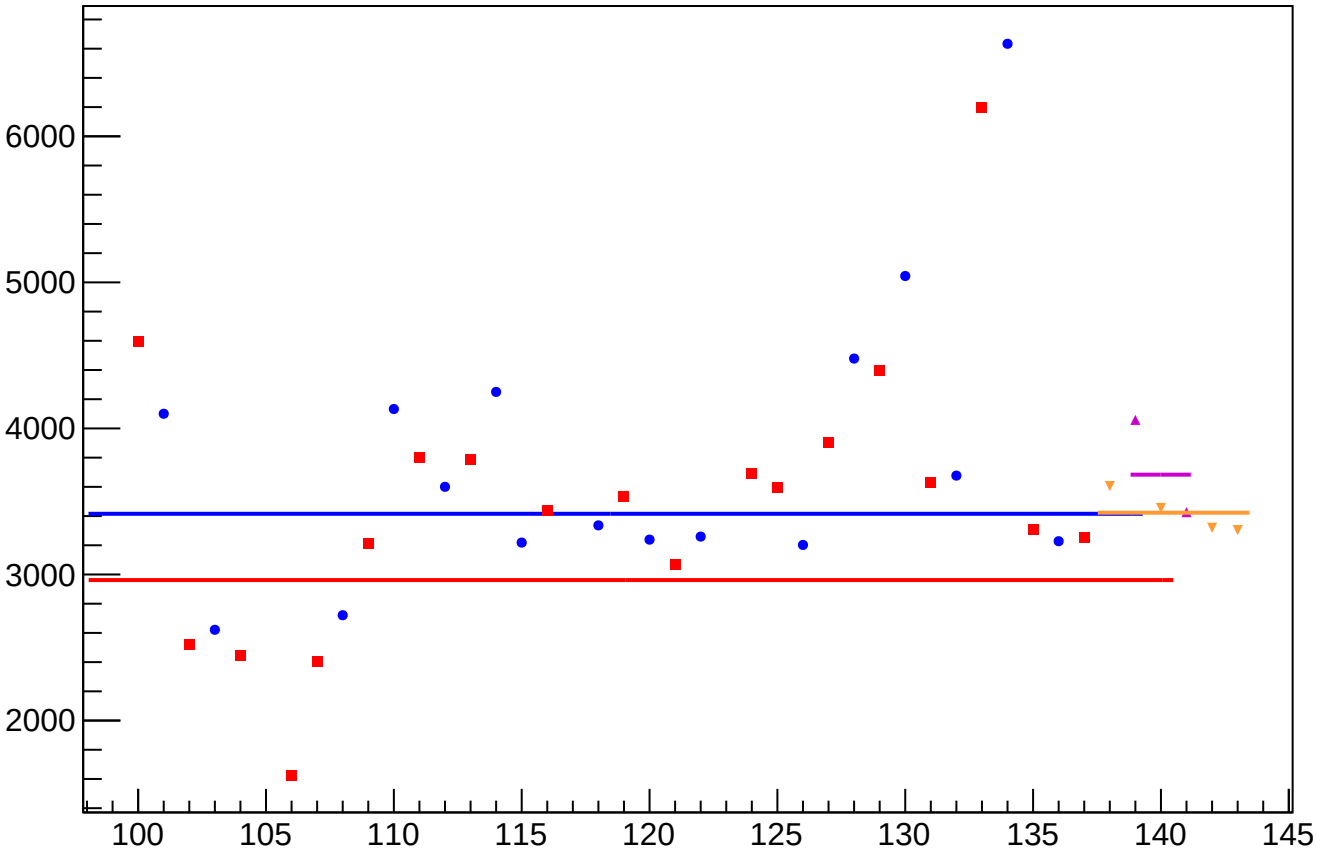
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -1280.383+/-2818.392 χ^2/NDF:0.0/1

\+ sign -63.788+/-1096.142 χ^2/NDF: 16.8/19

All: -109.582+/-758.036 χ^2/NDF: 33.1/40

\- sign -151.557+/-1049.431 χ^2/NDF: 16.3/20



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3423.058+/-1.435 χ^2/NDF:6992.0/3

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

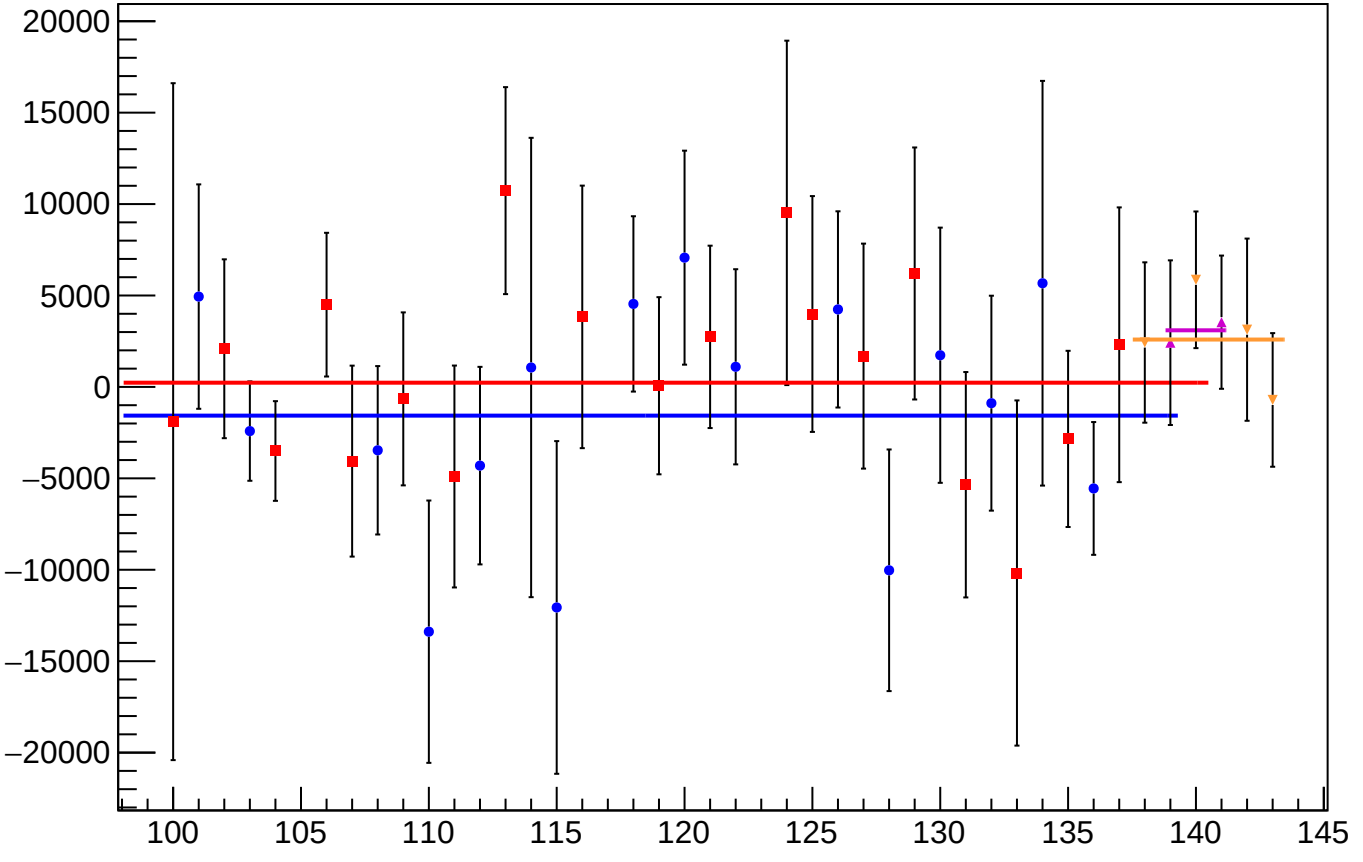
Left In: 3683.463+/-1.993 χ^2/NDF:24238.1/1

+ sign 3417.769+/-0.775 χ^2/NDF: 599350.2/19

All: 3232.064+/-0.536 χ^2/NDF: 2015815.3/40

- sign 3061.849+/-0.742 χ^2/NDF: 1306445.1/20

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2590.734+/-2046.373 χ^2/NDF:1.6/3

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

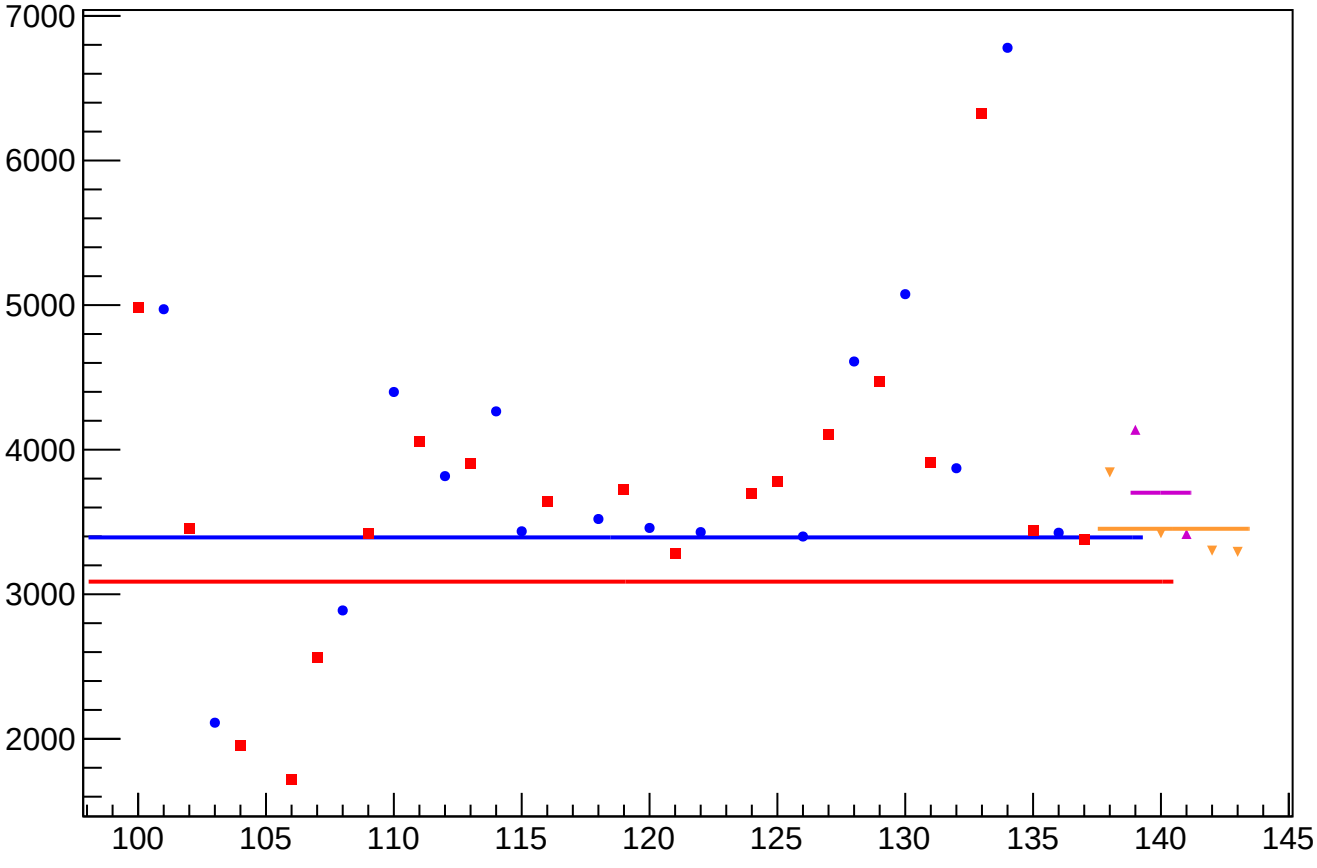
Left In: 3096.706+/-2832.269 χ^2/NDF:0.0/1

+ sign -356.576+/-1105.050 χ^2/NDF: 19.0/19

All: 154.111+/-787.938 χ^2/NDF: 33.6/40

- sign 682.287+/-1123.813 χ^2/NDF: 14.1/20

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3452.944+/-1.447 χ^2/NDF:21615.1/3

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

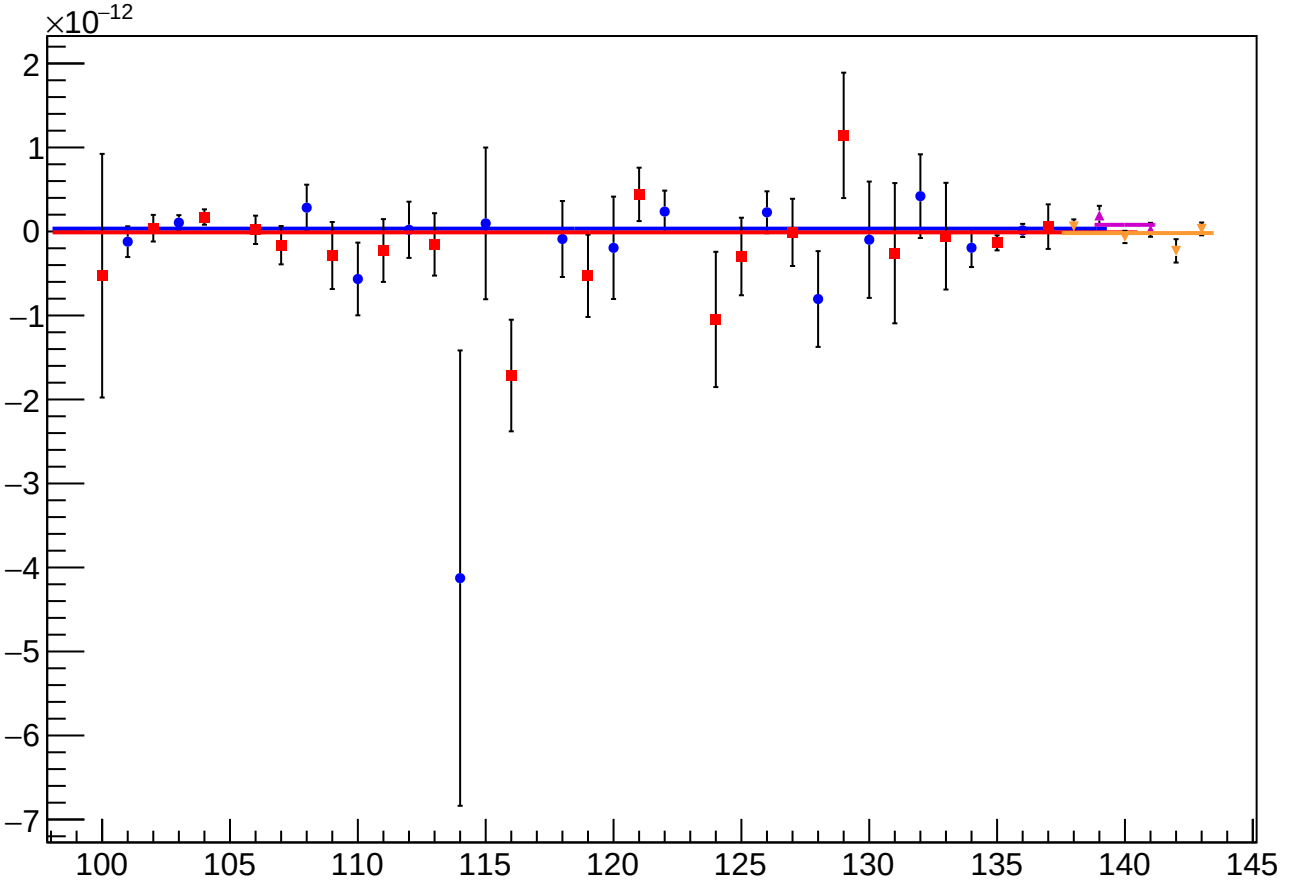
Left In: 3702.238+/-2.003 χ^2/NDF:30959.7/1

+ sign 3410.739+/-0.781 χ^2/NDF: 1071523.6/19

All: 3296.363+/-0.553 χ^2/NDF: 2553653.7/40

- sign 3181.398+/-0.783 χ^2/NDF: 1439168.6/20

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/3

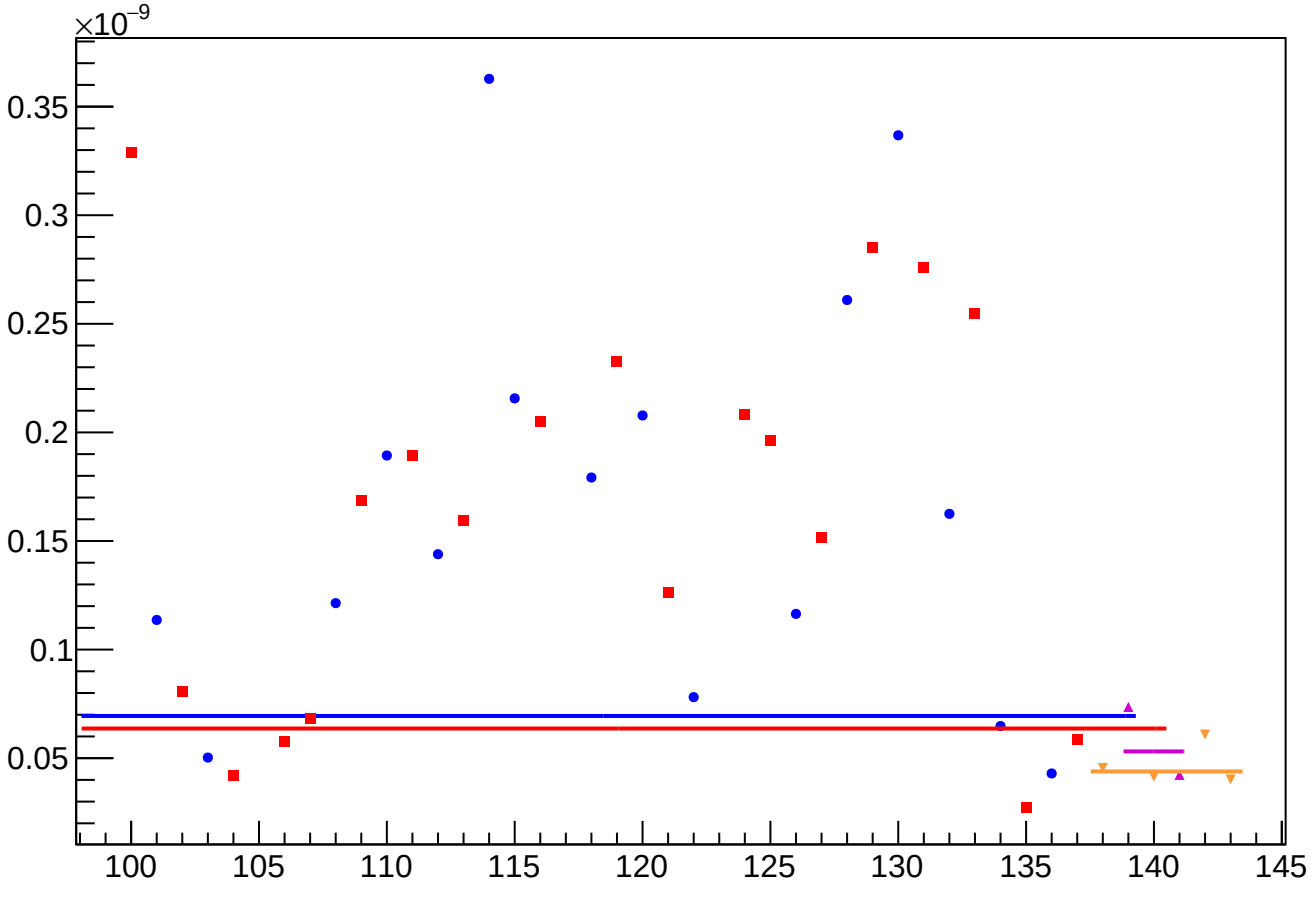
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/19

All: 0.000+/-0.000 χ^2/NDF: 41.1/40

- sign 0.000+/-0.000 χ^2/NDF: 24.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:37495.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

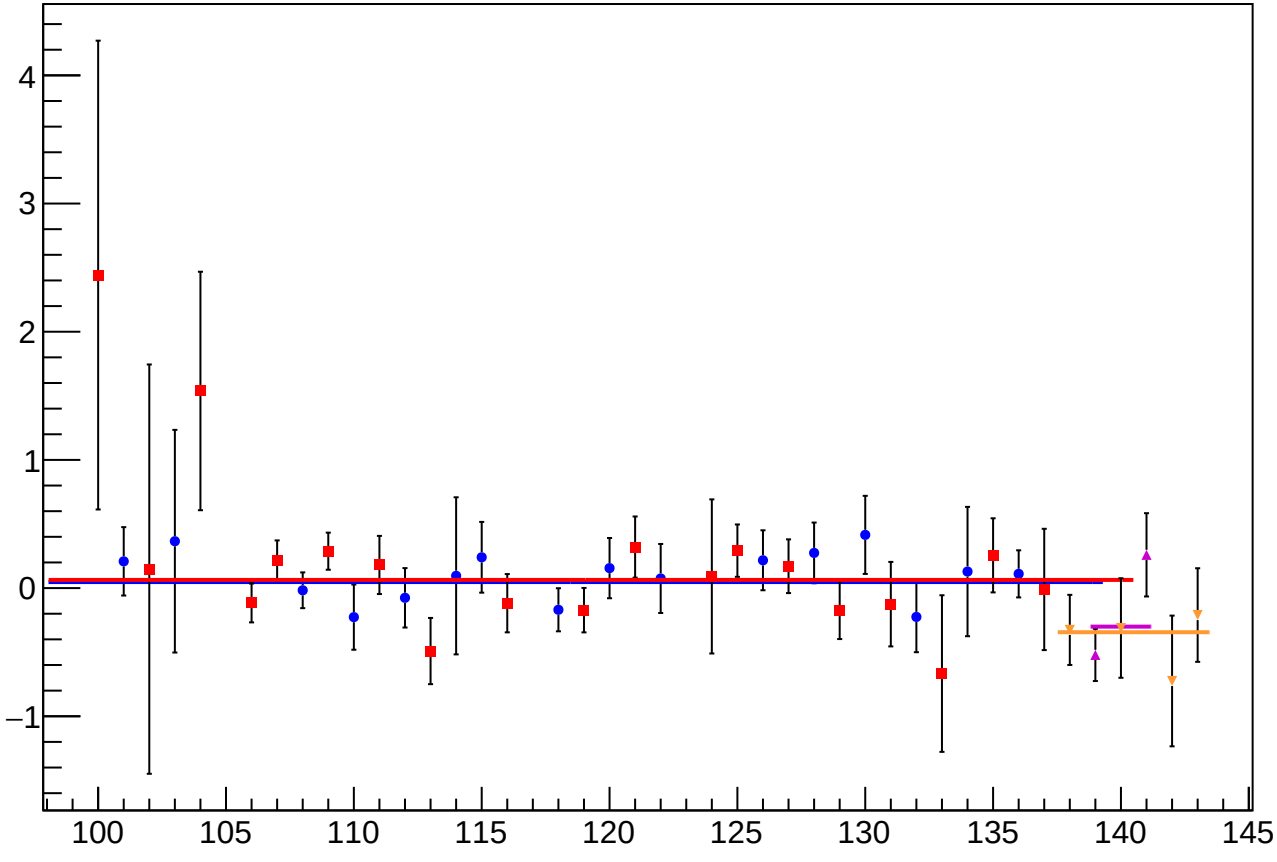
Left In: 0.000+/-0.000 χ^2/NDF:98410.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 2078252.5/19

All: 0.000+/-0.000 χ^2/NDF: 4478718.4/40

- sign 0.000+/-0.000 χ^2/NDF: 2380821.9/20

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: -0.344+/-0.179 χ^2/NDF:0.7/3

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

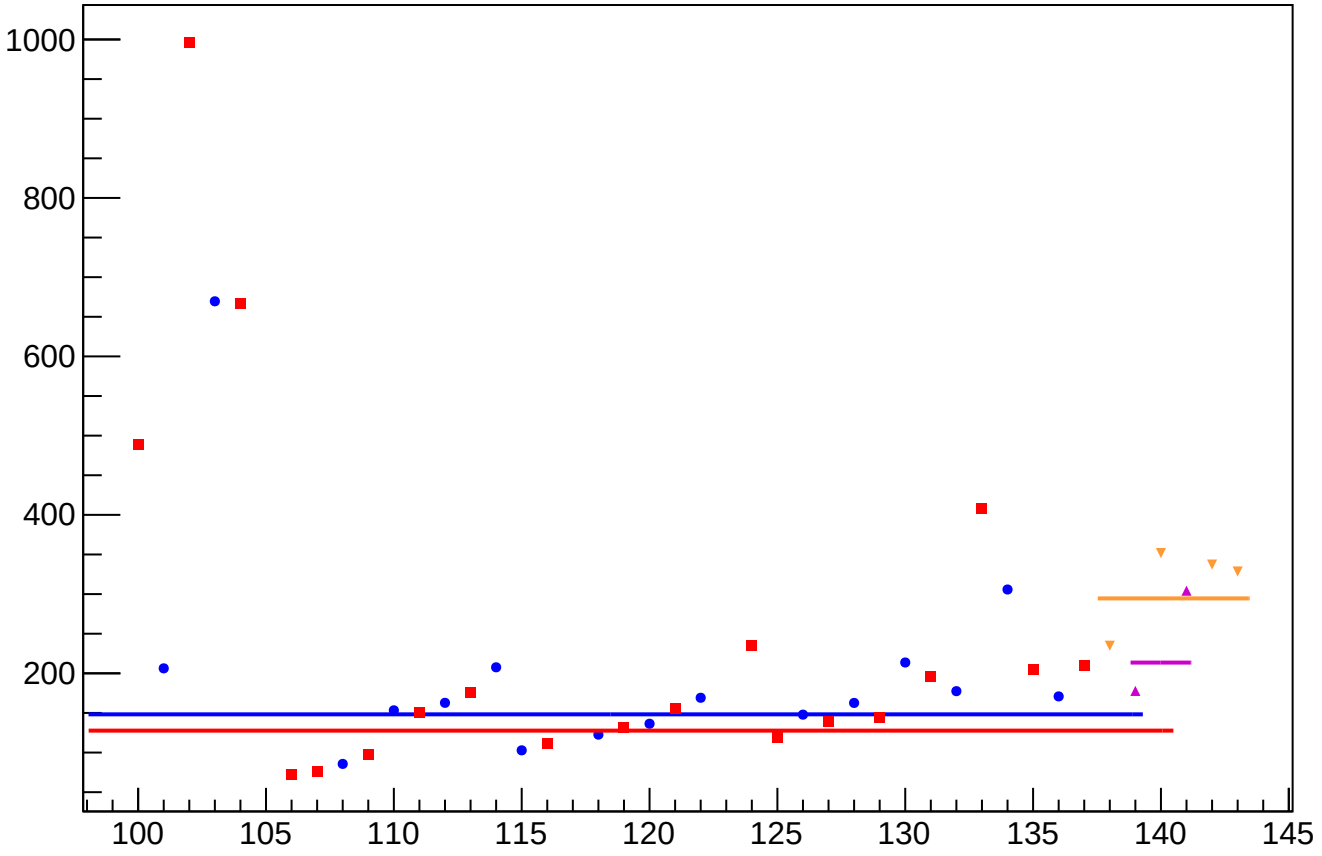
Left In: -0.301+/-0.173 χ^2/NDF:4.1/1

+ sign 0.007+/-0.057 χ^2/NDF: 13.6/19

All: 0.020+/-0.038 χ^2/NDF: 44.1/40

- sign 0.031+/-0.052 χ^2/NDF: 30.4/20

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: 294.554+/-0.126 χ^2/NDF:170083.1/3

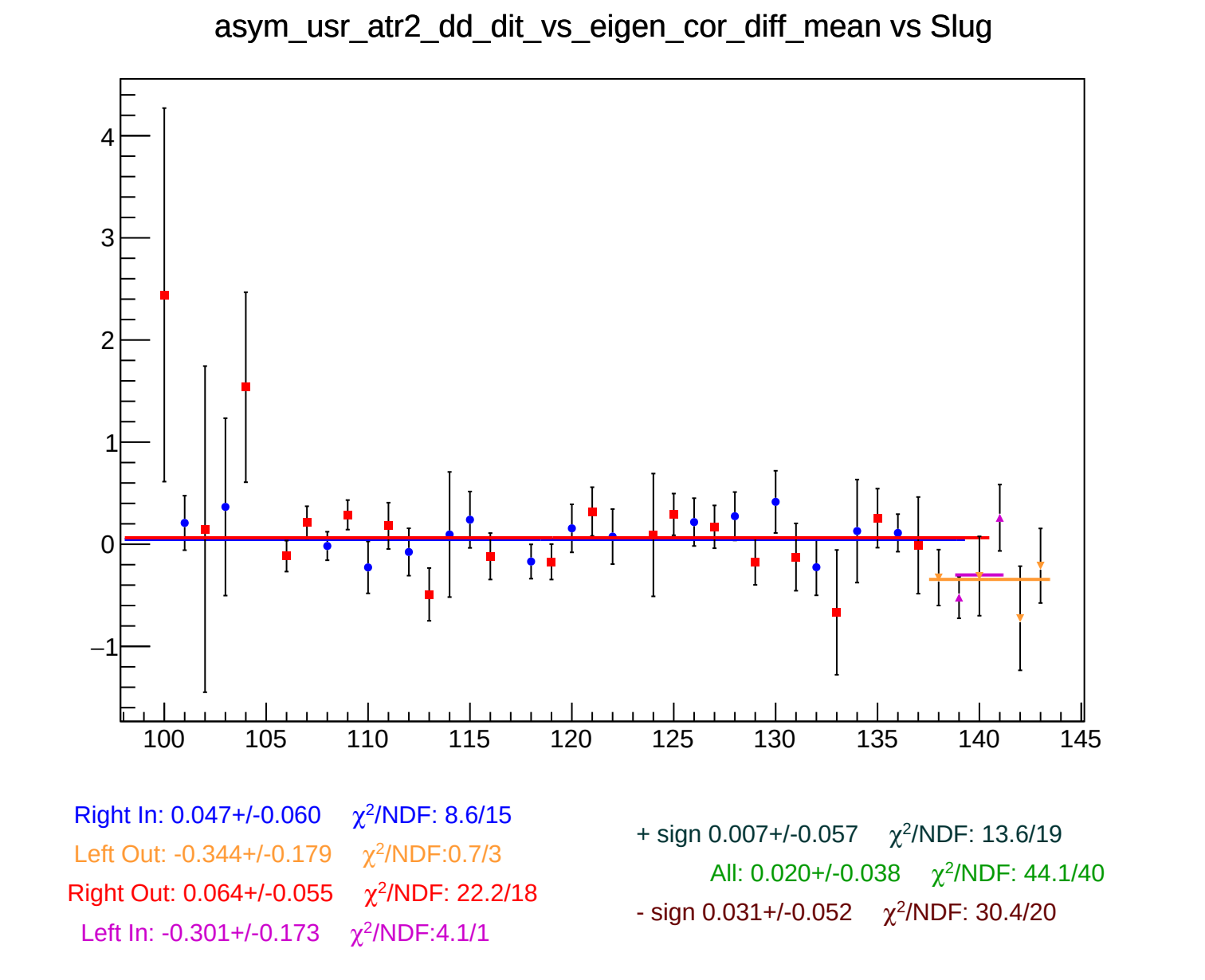
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 213.564+/-0.122 χ^2/NDF:217379.2/1

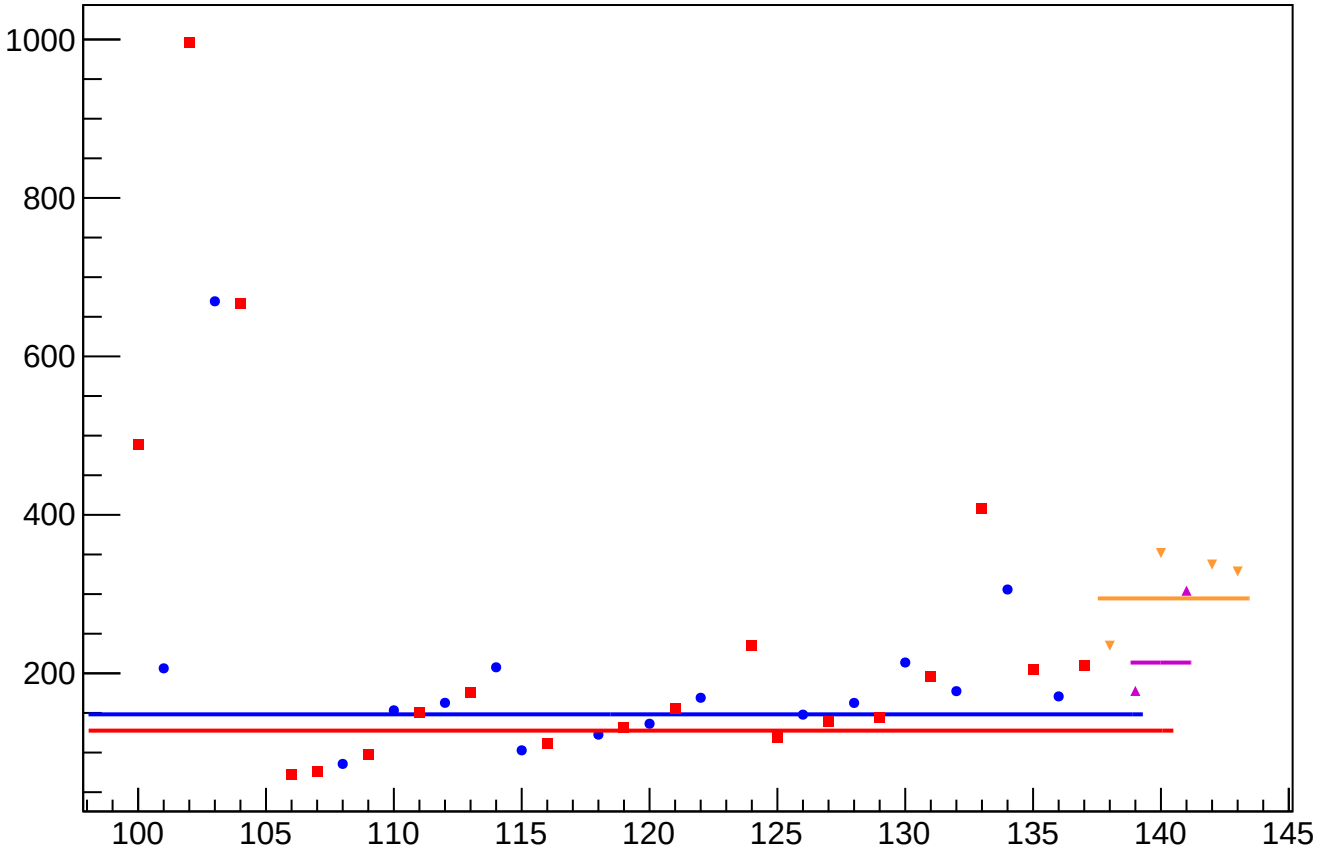
\+ sign 163.093+/-0.040 χ^2/NDF: 3086281.0/19

All: 148.091+/-0.027 χ^2/NDF: 6850481.6/40

\- sign 135.504+/-0.037 χ^2/NDF: 3508516.4/20


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
145
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.344+/-0.179 χ²/NDF:0.7/3
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.301+/-0.173 χ²/NDF:4.1/1
+ sign 0.007+/-0.057 χ²/NDF: 13.6/19
All: 0.020+/-0.038 χ²/NDF: 44.1/40
- sign 0.031+/-0.052 χ²/NDF: 30.4/20

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 294.554+/-0.126 χ^2/NDF:170083.1/3

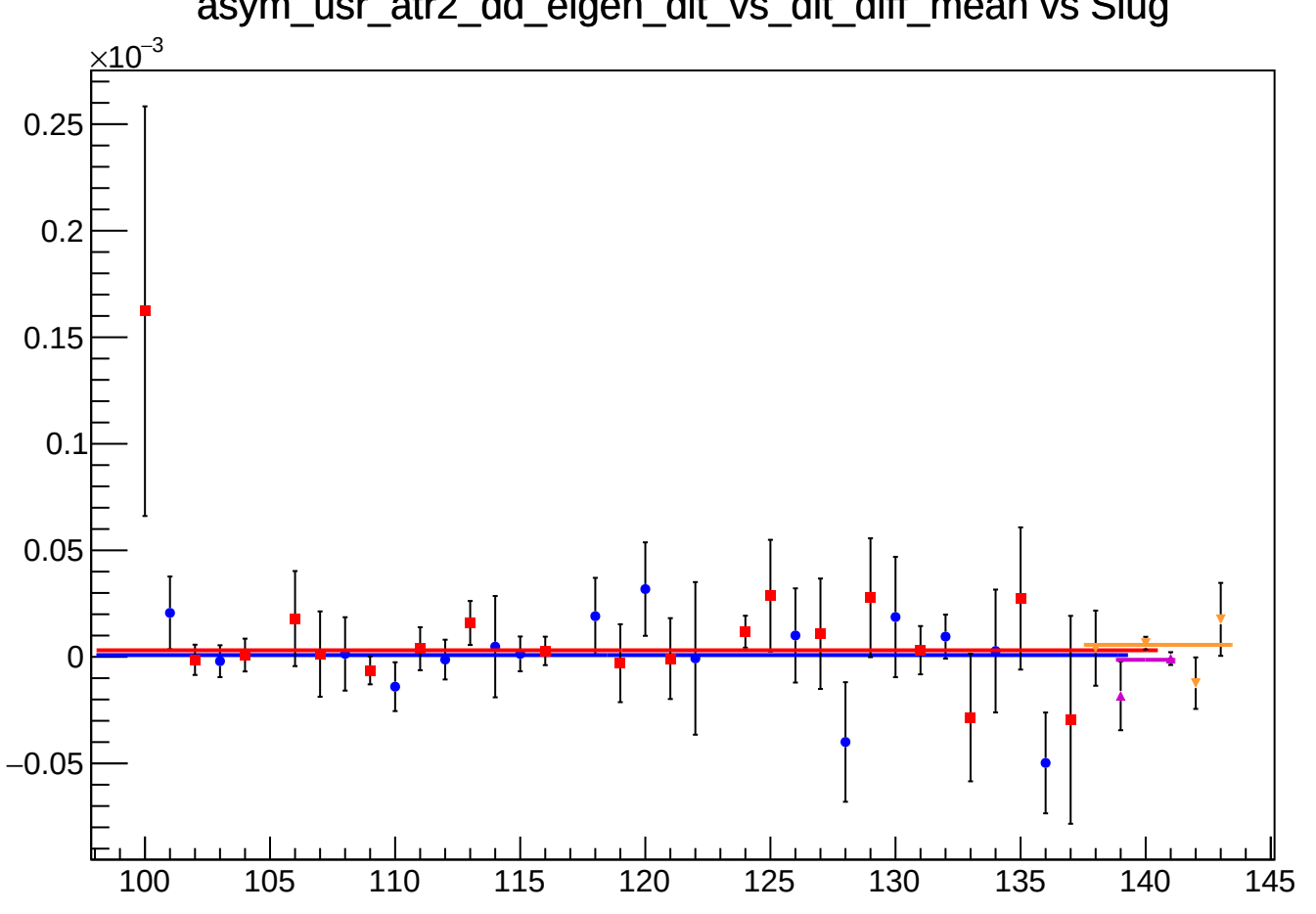
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 213.564+/-0.122 χ^2/NDF:217379.2/1

\+ sign 163.093+/-0.040 χ^2/NDF: 3086281.0/19

All: 148.091+/-0.027 χ^2/NDF: 6850481.6/40

\- sign 135.504+/-0.037 χ^2/NDF: 3508516.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/3

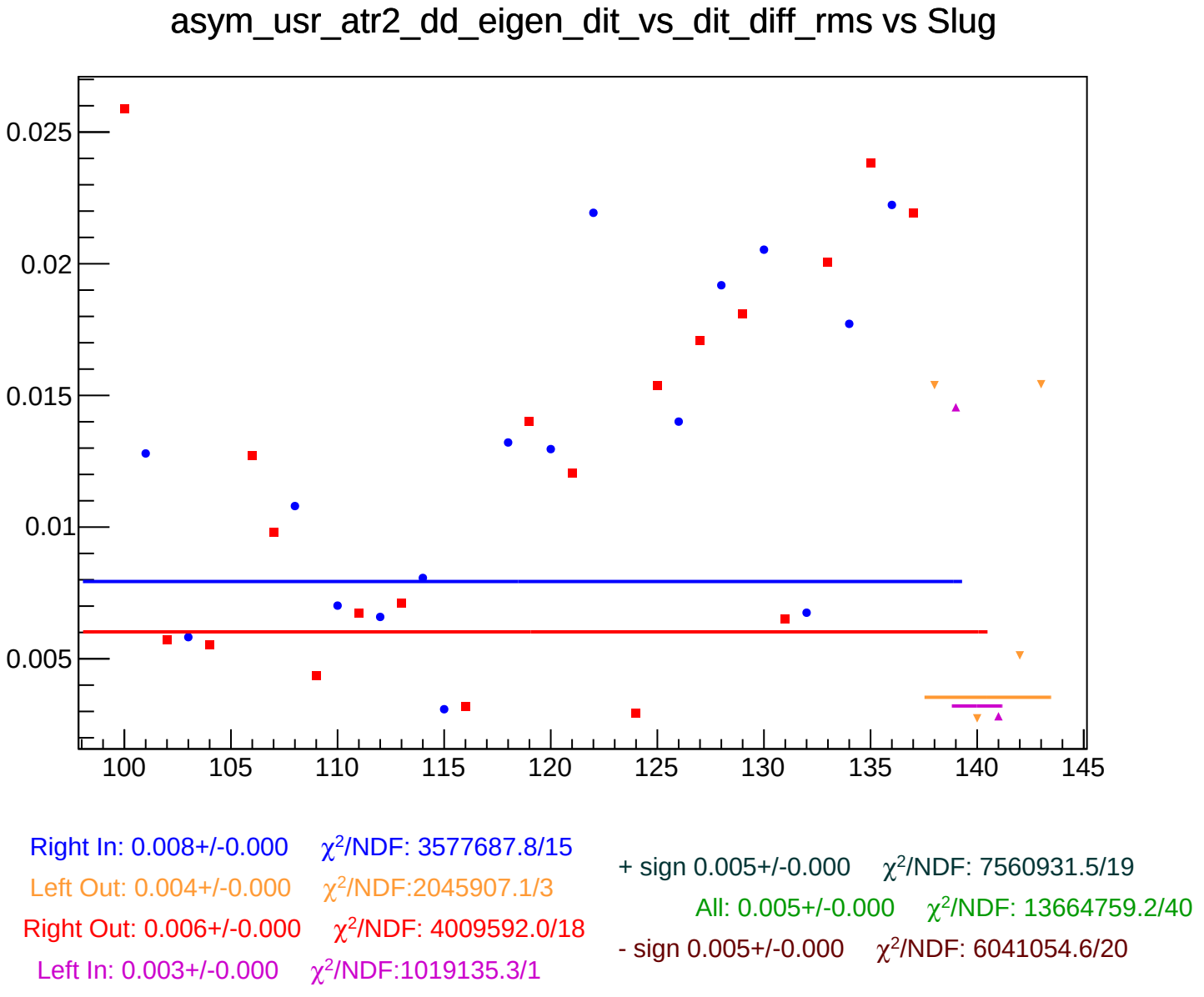
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

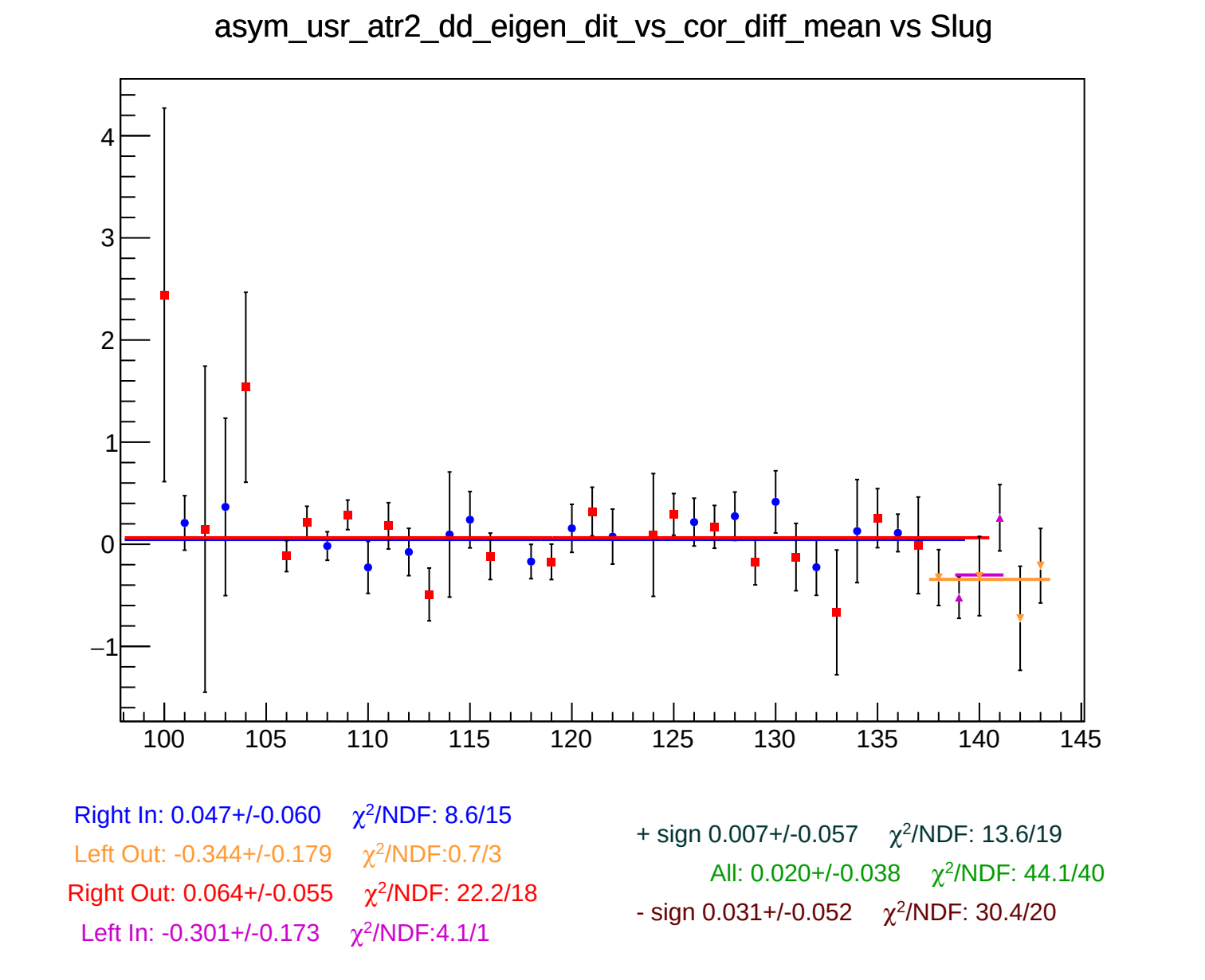
Left In: -0.000+/-0.000 χ^2/NDF:1.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/19

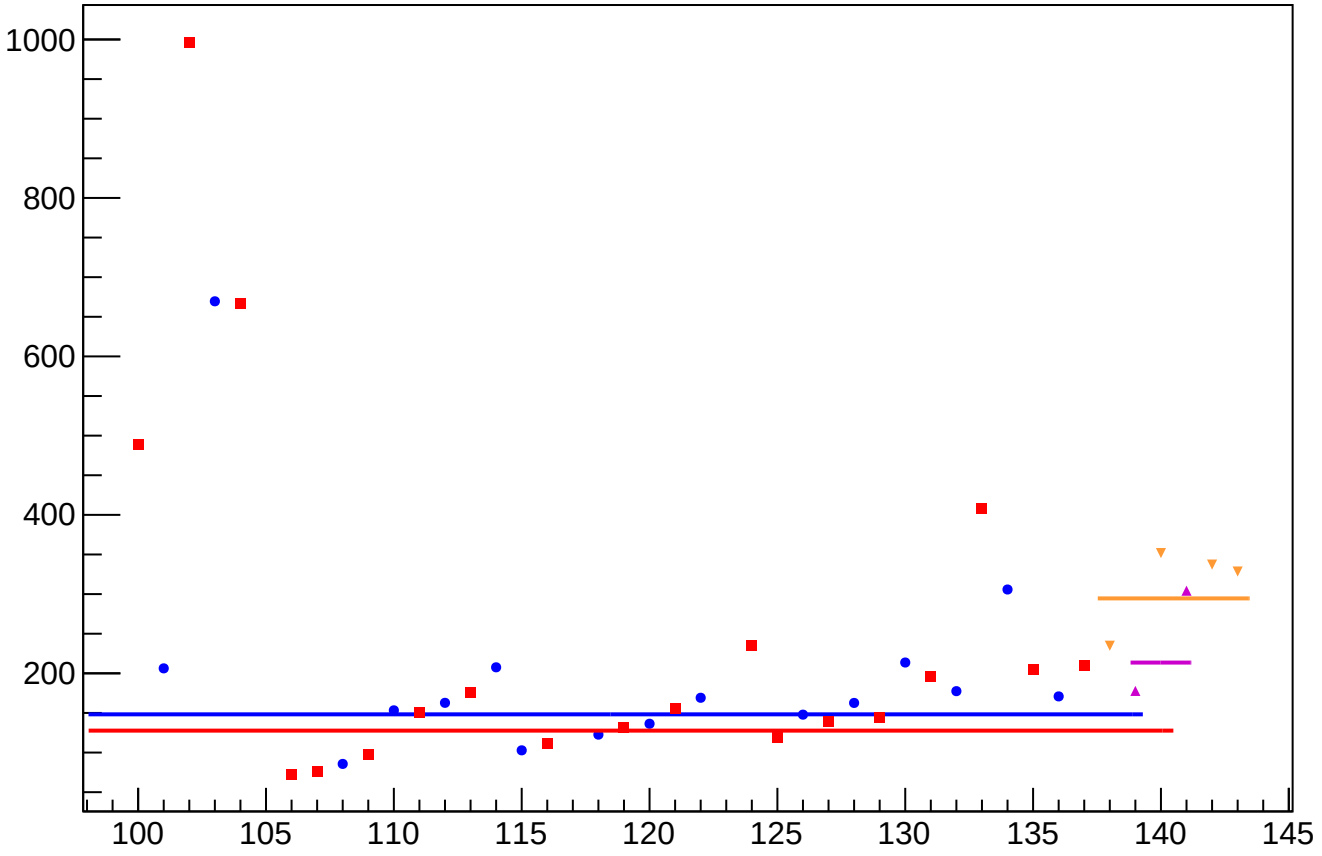
All: 0.000+/-0.000 χ^2/NDF: 34.1/40

- sign 0.000+/-0.000 χ^2/NDF: 15.1/20


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
105
110
115
120
125
130
135
140
145
Right In: 0.008+/-0.000 χ²/NDF: 3577687.8/15
Left Out: 0.004+/-0.000 χ²/NDF:2045907.1/3
Right Out: 0.006+/-0.000 χ²/NDF: 4009592.0/18
Left In: 0.003+/-0.000 χ²/NDF:1019135.3/1
+ sign 0.005+/-0.000 χ²/NDF: 7560931.5/19
All: 0.005+/-0.000 χ²/NDF: 13664759.2/40
- sign 0.005+/-0.000 χ²/NDF: 6041054.6/20


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
145
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.344+/-0.179 χ²/NDF:0.7/3
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.301+/-0.173 χ²/NDF:4.1/1
+ sign 0.007+/-0.057 χ²/NDF: 13.6/19
All: 0.020+/-0.038 χ²/NDF: 44.1/40
- sign 0.031+/-0.052 χ²/NDF: 30.4/20

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: 294.558+/-0.126 χ^2/NDF:170068.1/3

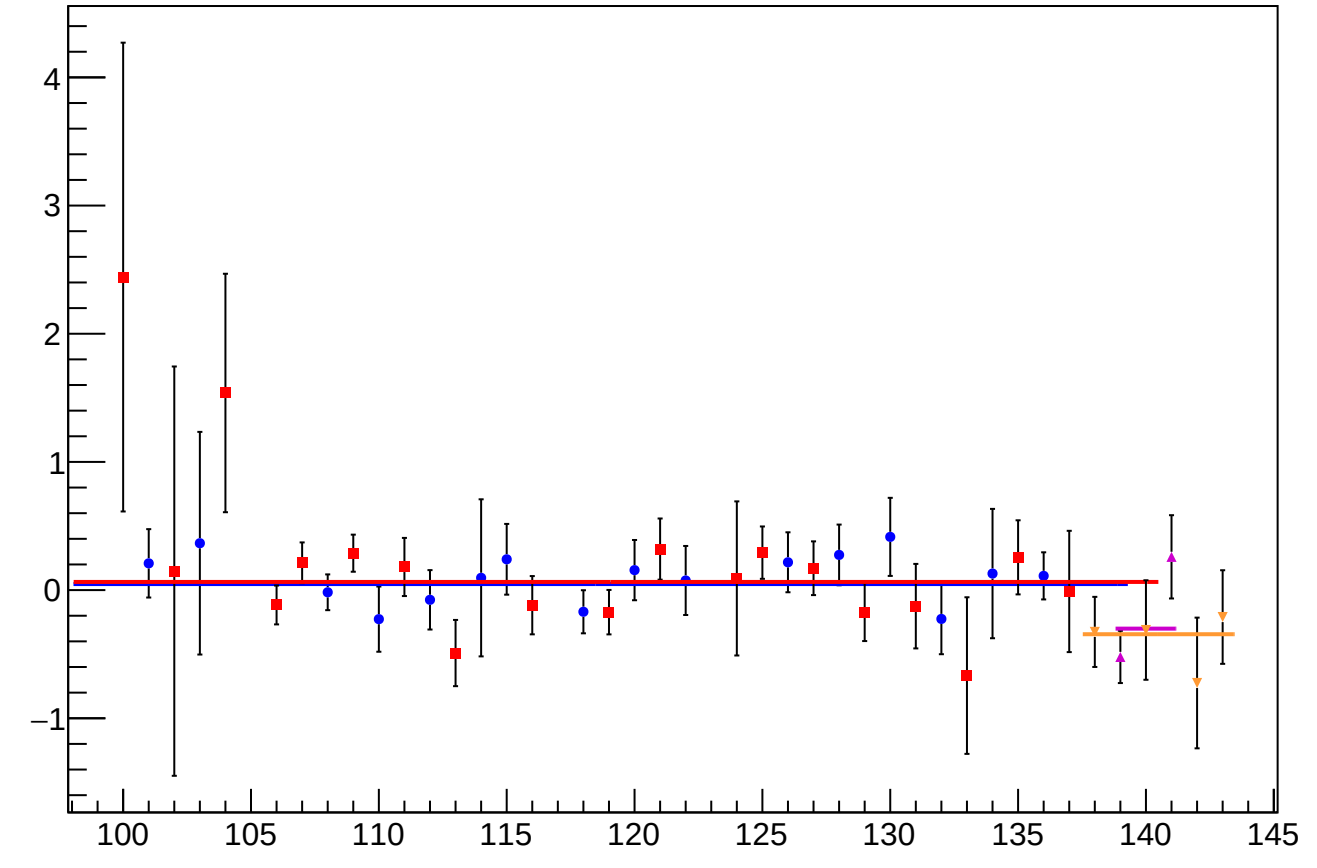
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 213.567+/-0.122 χ^2/NDF:217362.6/1

+ sign 163.091+/-0.040 χ^2/NDF: 3086428.3/19

All: 148.090+/-0.027 χ^2/NDF: 6850576.7/40

- sign 135.504+/-0.037 χ^2/NDF: 3508509.9/20



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.344+/-0.179 χ^2/NDF:0.7/3

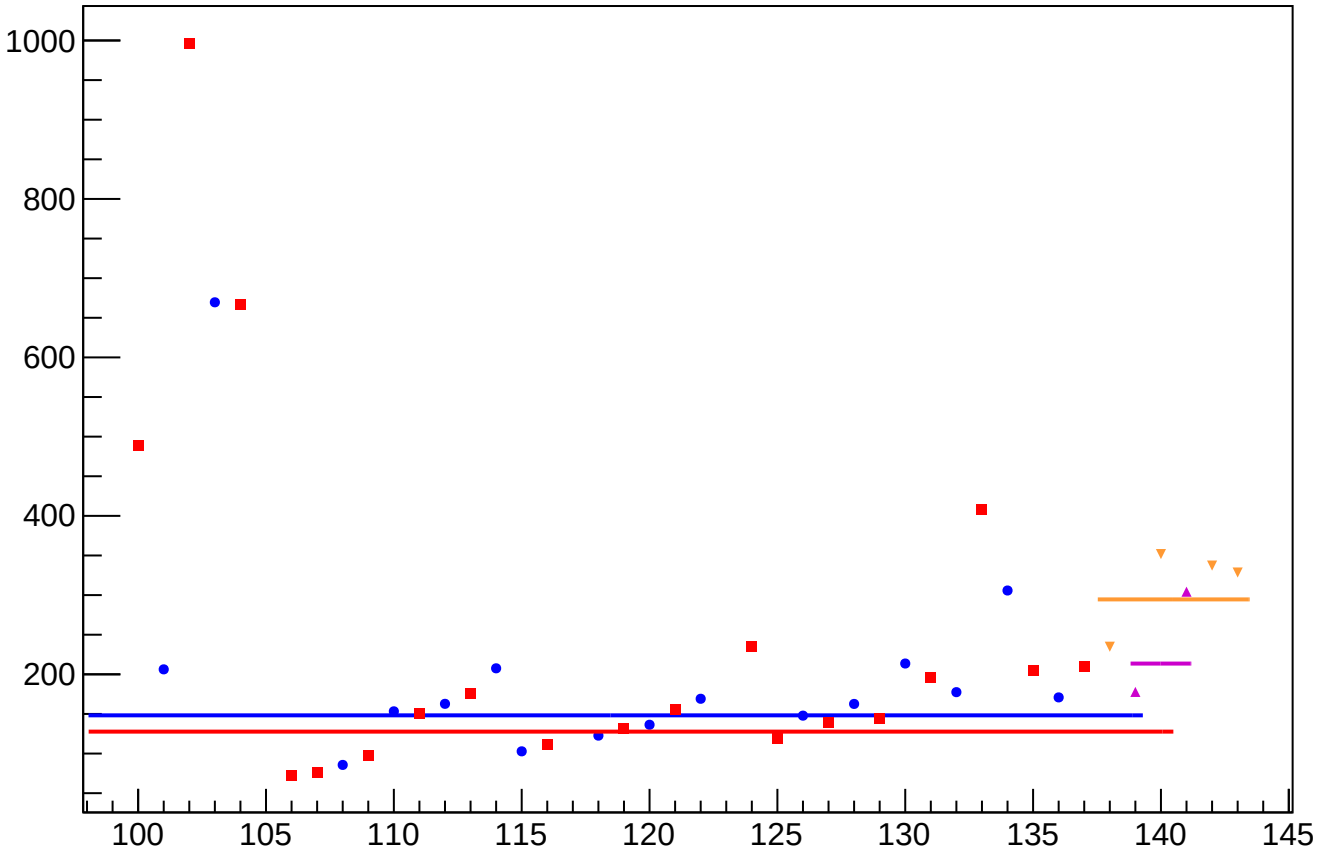
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.301+/-0.173 χ^2/NDF:4.1/1

+ sign 0.007+/-0.057 χ^2/NDF: 13.6/19

All: 0.020+/-0.038 χ^2/NDF: 44.1/40

- sign 0.031+/-0.052 χ^2/NDF: 30.4/20



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 294.558+/-0.126 χ^2/NDF:170068.1/3

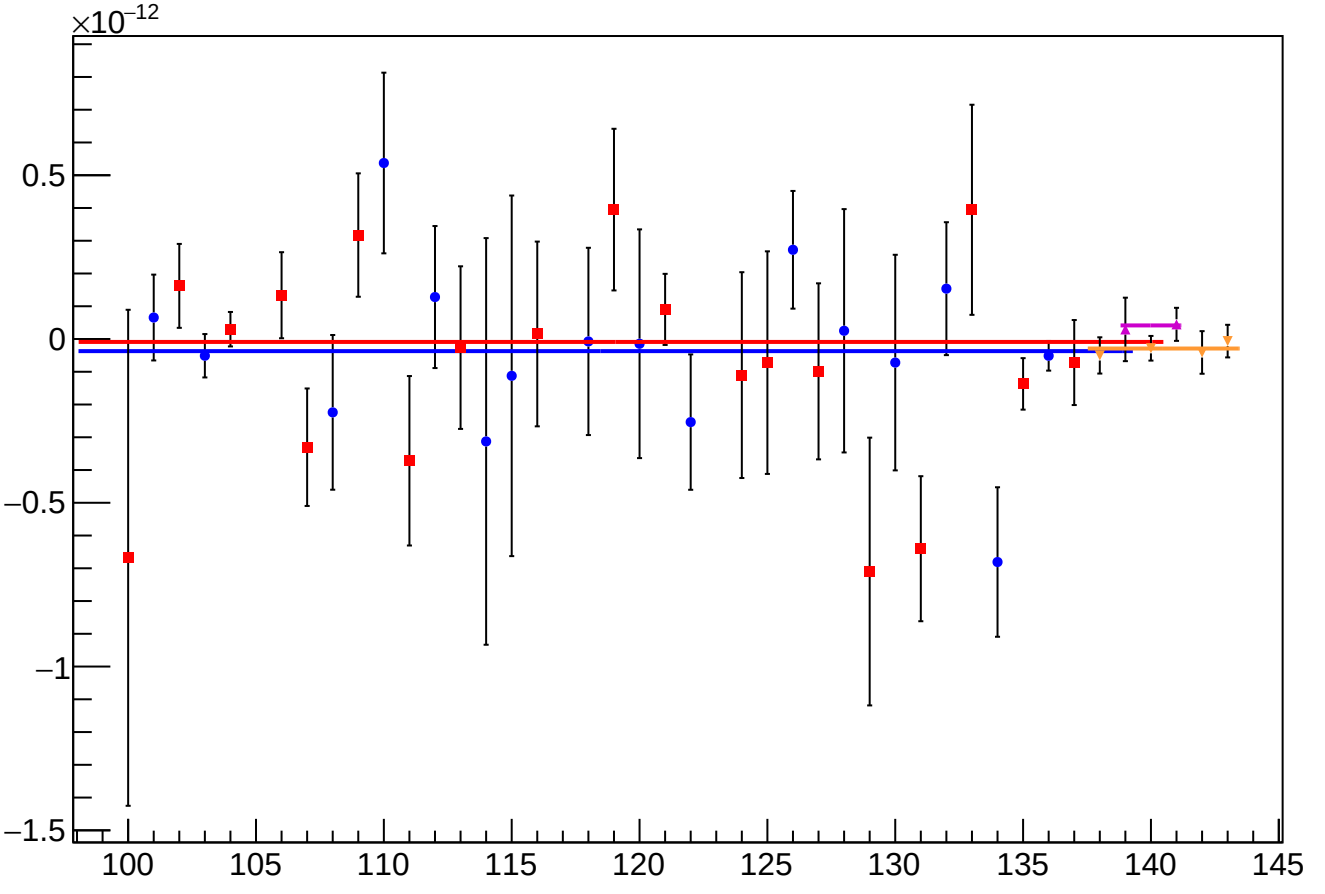
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 213.567+/-0.122 χ^2/NDF:217362.6/1

+ sign 163.091+/-0.040 χ^2/NDF: 3086428.3/19

All: 148.090+/-0.027 χ^2/NDF: 6850576.7/40

- sign 135.504+/-0.037 χ^2/NDF: 3508509.9/20



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/3

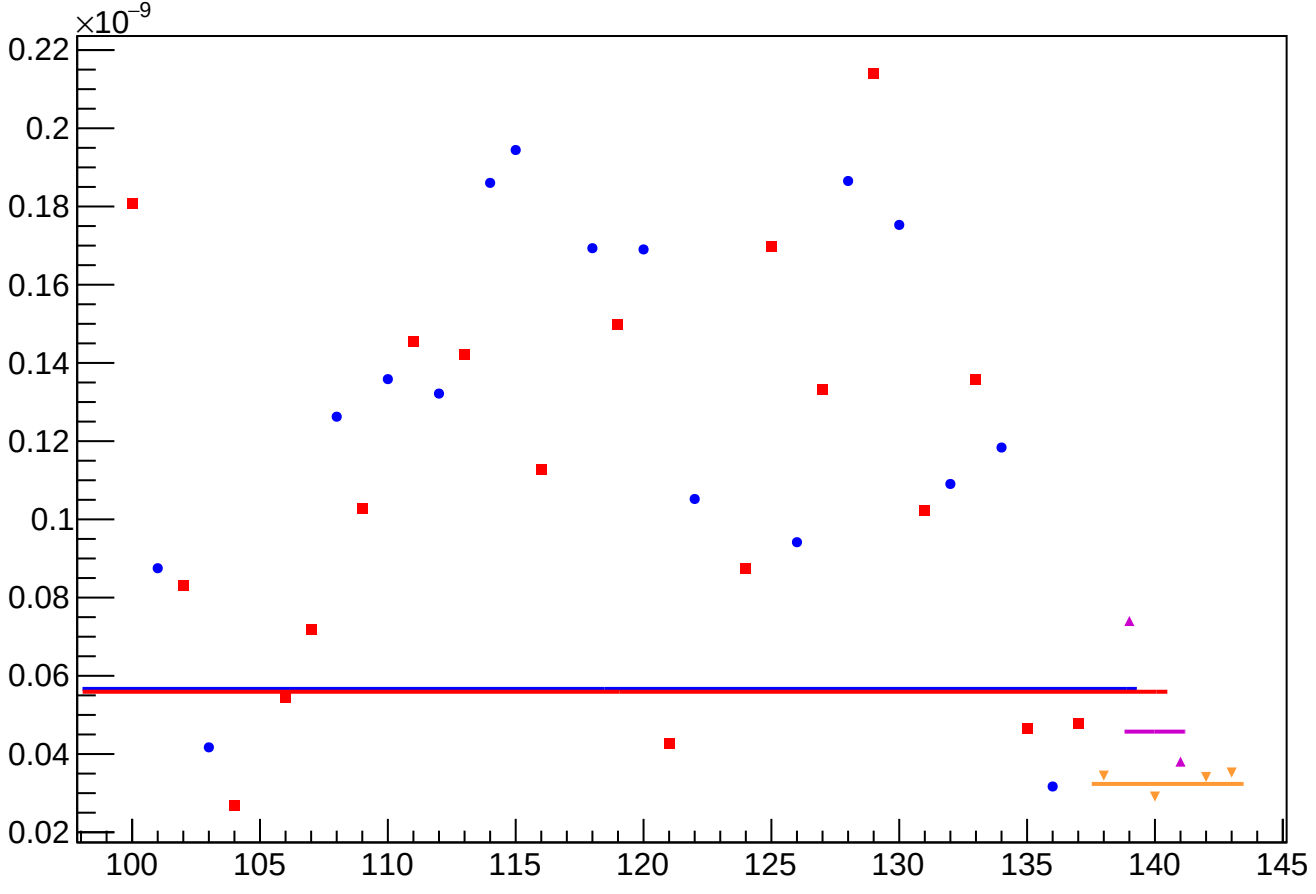
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/19

All: -0.000+/-0.000 χ^2/NDF: 54.1/40

- sign 0.000+/-0.000 χ^2/NDF: 32.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26059.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

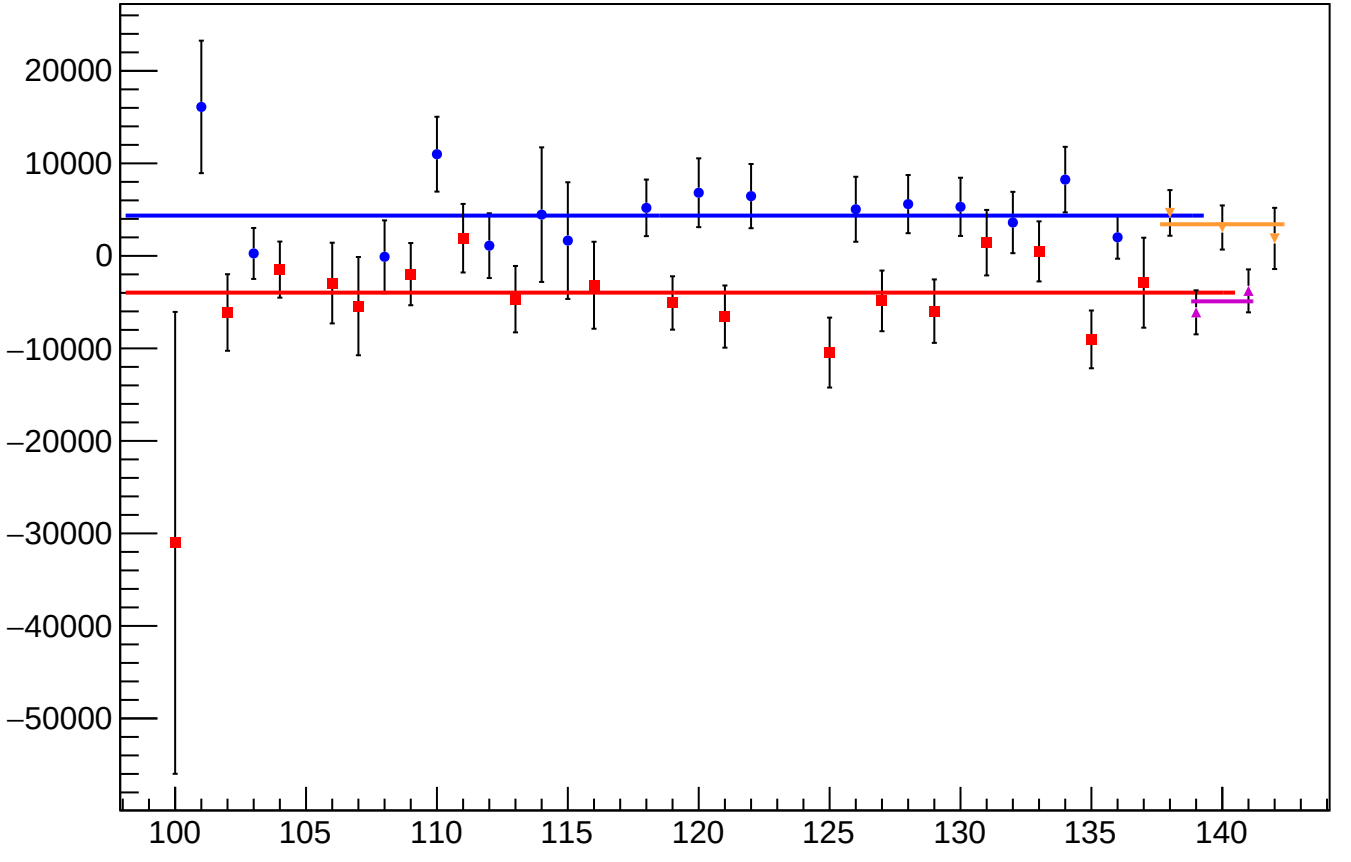
Left In: 0.000+/-0.000 χ^2/NDF:216583.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 3862484.7/19

All: 0.000+/-0.000 χ^2/NDF: 7118831.1/40

- sign 0.000+/-0.000 χ^2/NDF: 3018231.9/20

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3417.963+/-1522.613 χ^2/NDF:0.5/2

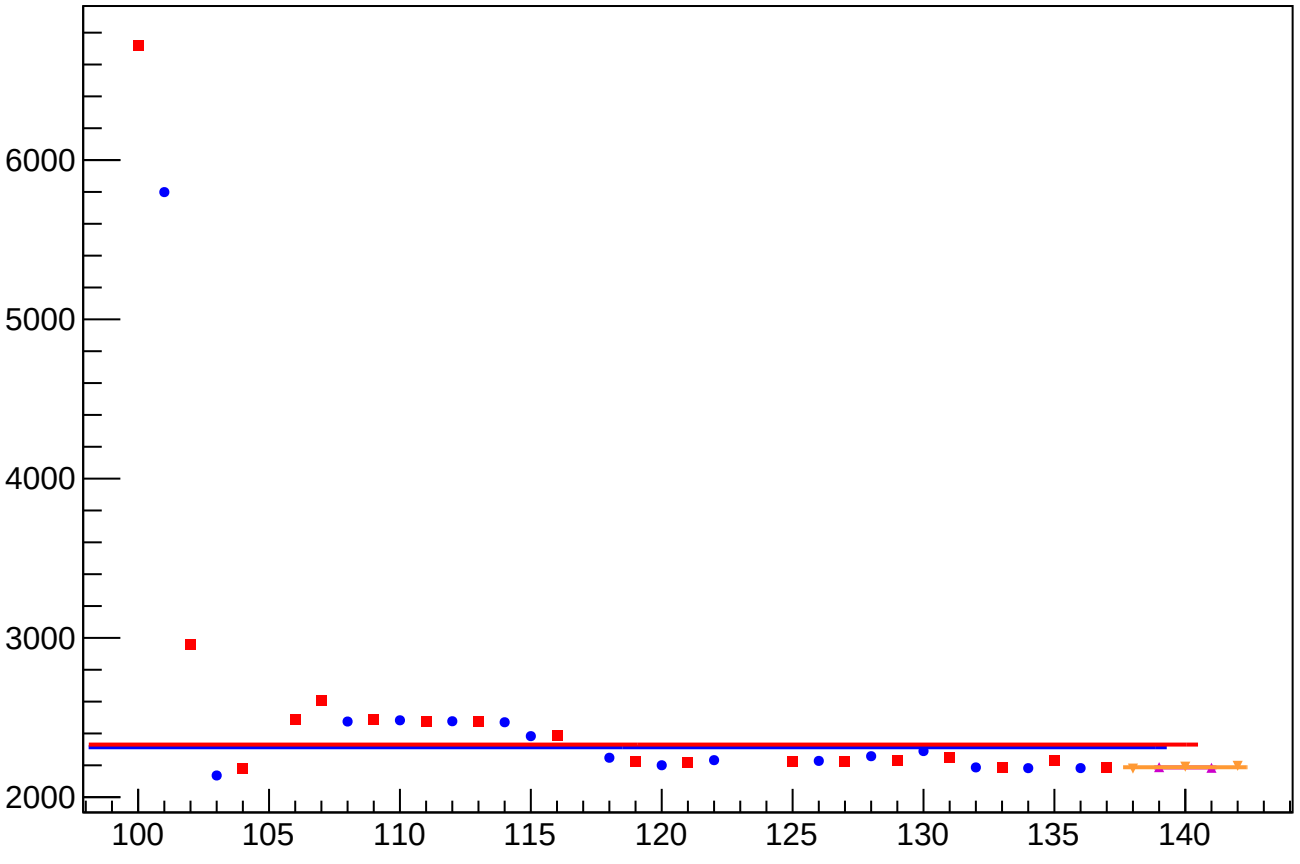
Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: -4913.579+/-1661.827 χ^2/NDF:0.5/1

+ sign 4121.821+/-758.752 χ^2/NDF: 14.1/18

All: 43.558+/-541.029 χ^2/NDF: 89.8/38

- sign -4174.774+/-771.672 χ^2/NDF: 16.9/19



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

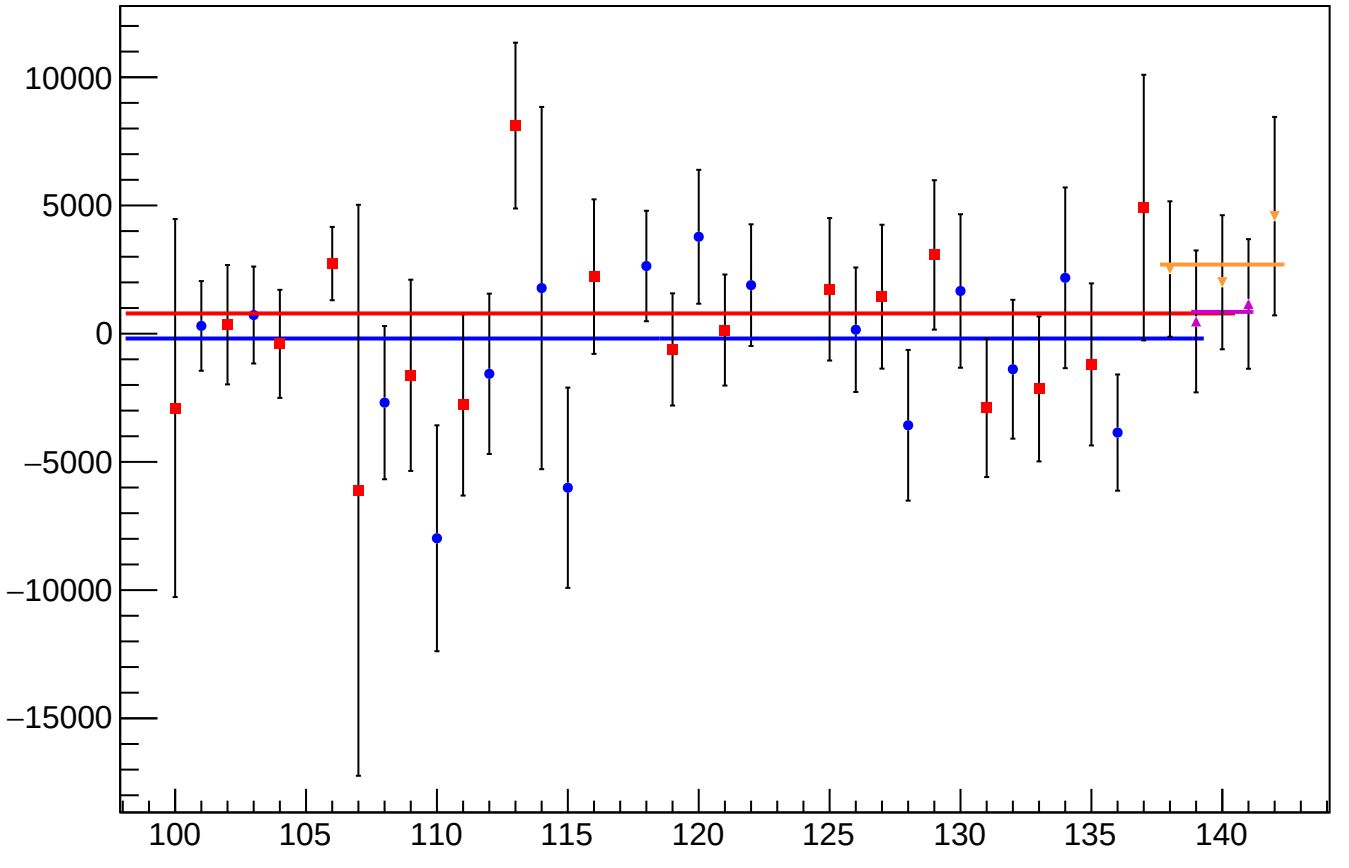
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

+ sign 2282.236+/-0.537 χ^2/NDF: 522635.5/18

All: 2290.592+/-0.383 χ^2/NDF: 686058.5/38

- sign 2299.234+/-0.546 χ^2/NDF: 162929.6/19



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 2695.807+/-1674.922 χ^2/NDF:0.3/2

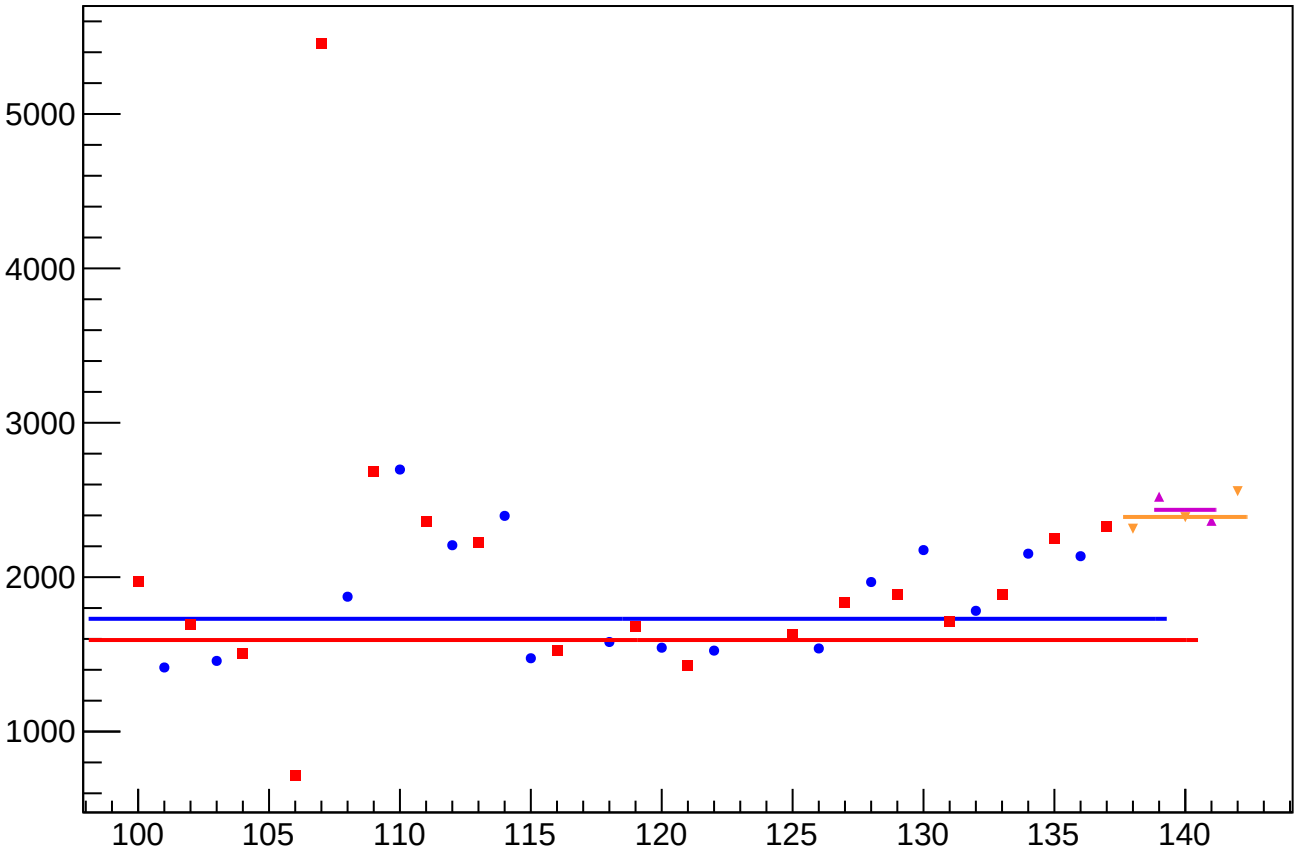
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 849.306+/-1865.800 χ^2/NDF:0.0/1

\+ sign 197.333+/-612.704 χ^2/NDF: 19.3/18

All: 502.179+/-429.069 χ^2/NDF: 34.7/38

\- sign 795.543+/-601.054 χ^2/NDF: 14.9/19



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 2390.003+/-1.184 χ^2/NDF:5381.6/2

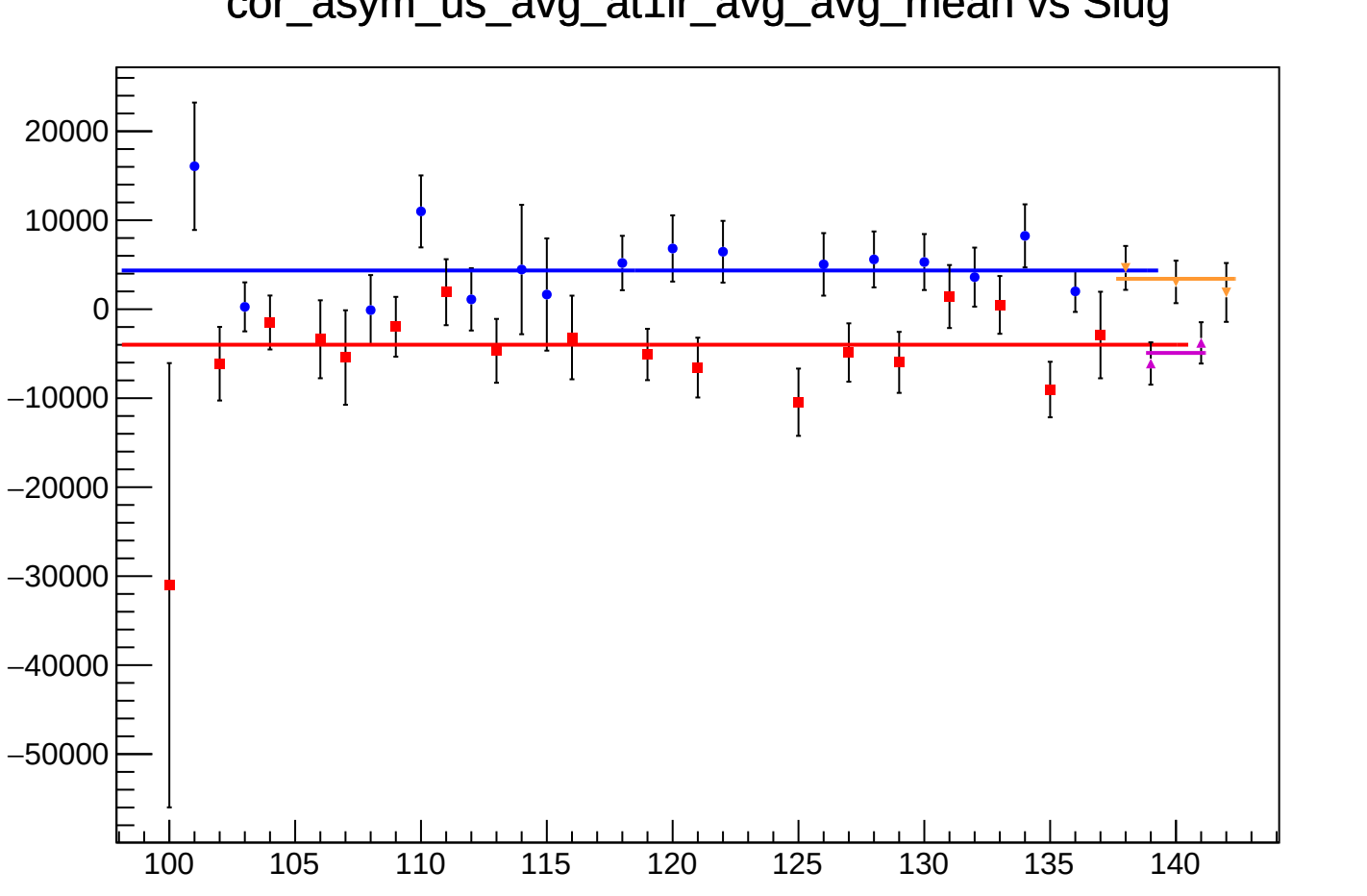
Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 2436.140+/-1.319 χ^2/NDF:3471.0/1

+ sign 1818.569+/-0.433 χ^2/NDF: 753072.7/18

All: 1748.128+/-0.303 χ^2/NDF: 2730804.9/38

- sign 1680.340+/-0.425 χ^2/NDF: 1925857.8/19



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3418.006+/-1522.613 χ^2/NDF:0.5/2

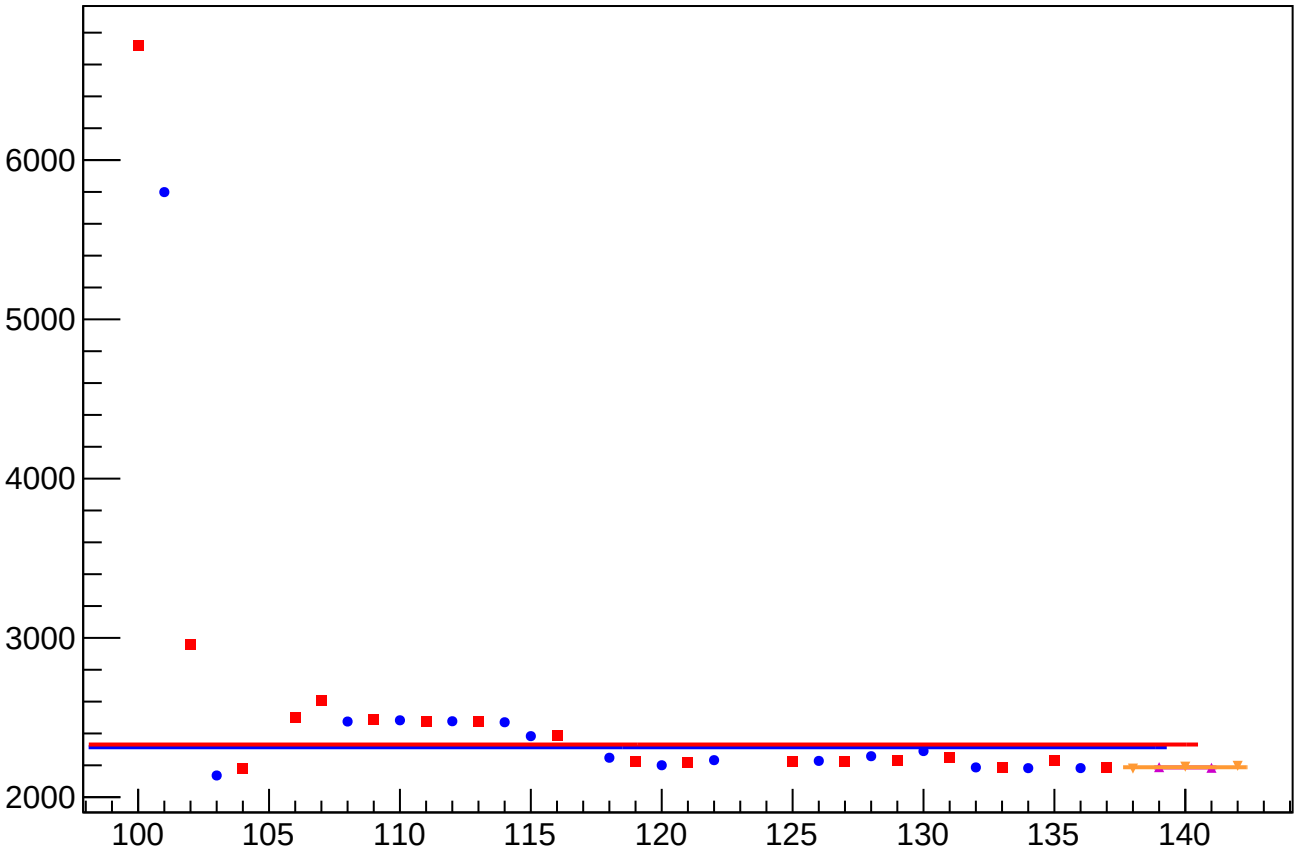
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4914.143+/-1661.827 χ^2/NDF:0.5/1

+ sign 4121.321+/-758.752 χ^2/NDF: 14.1/18

All: 36.760+/-541.065 χ^2/NDF: 89.9/38

- sign -4189.229+/-771.776 χ^2/NDF: 16.9/19



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

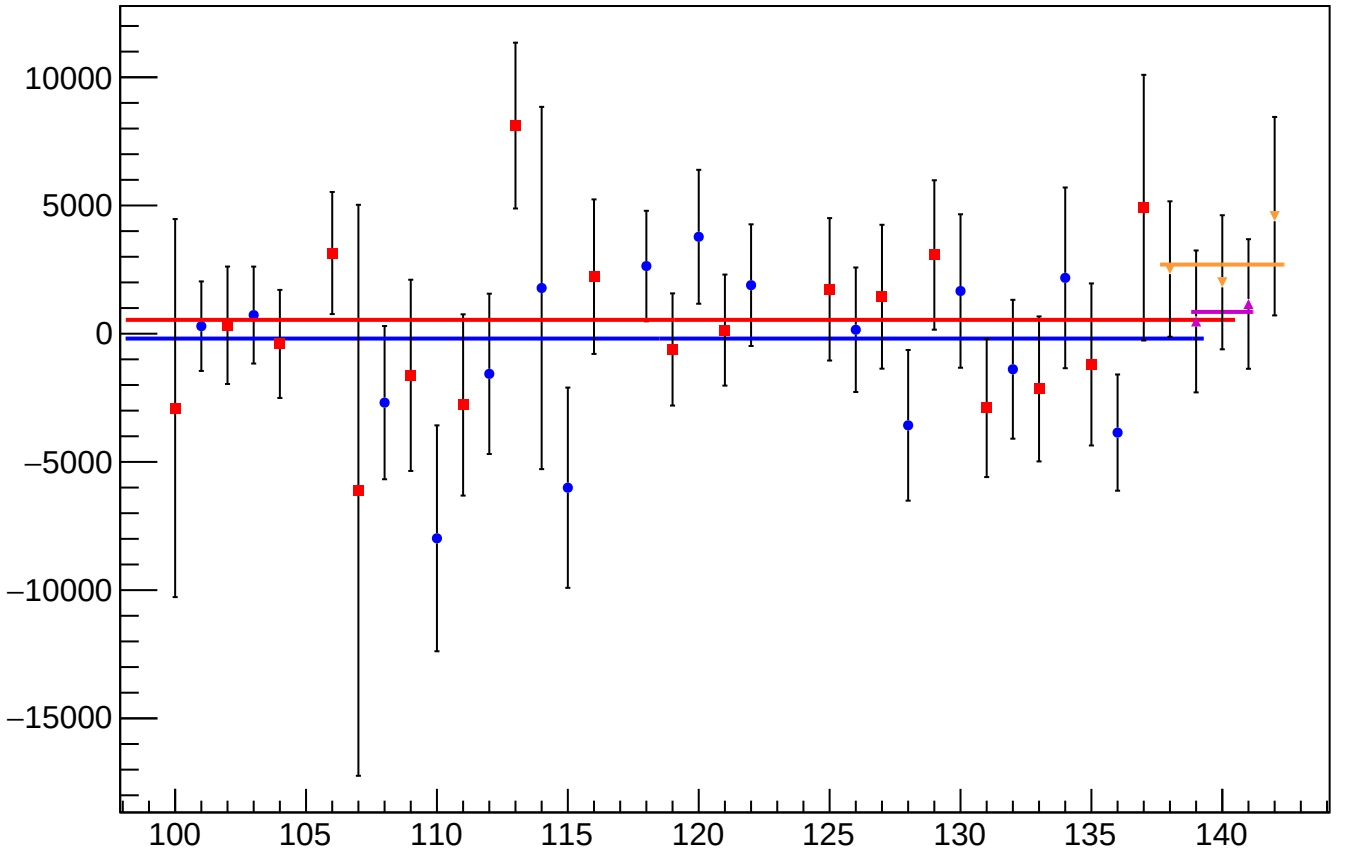
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

+ sign 2282.236+/-0.537 χ^2/NDF: 522636.0/18

All: 2290.729+/-0.383 χ^2/NDF: 686480.9/38

- sign 2299.515+/-0.546 χ^2/NDF: 163335.1/19



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 2695.810+/-1674.916 χ^2/NDF:0.3/2

Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

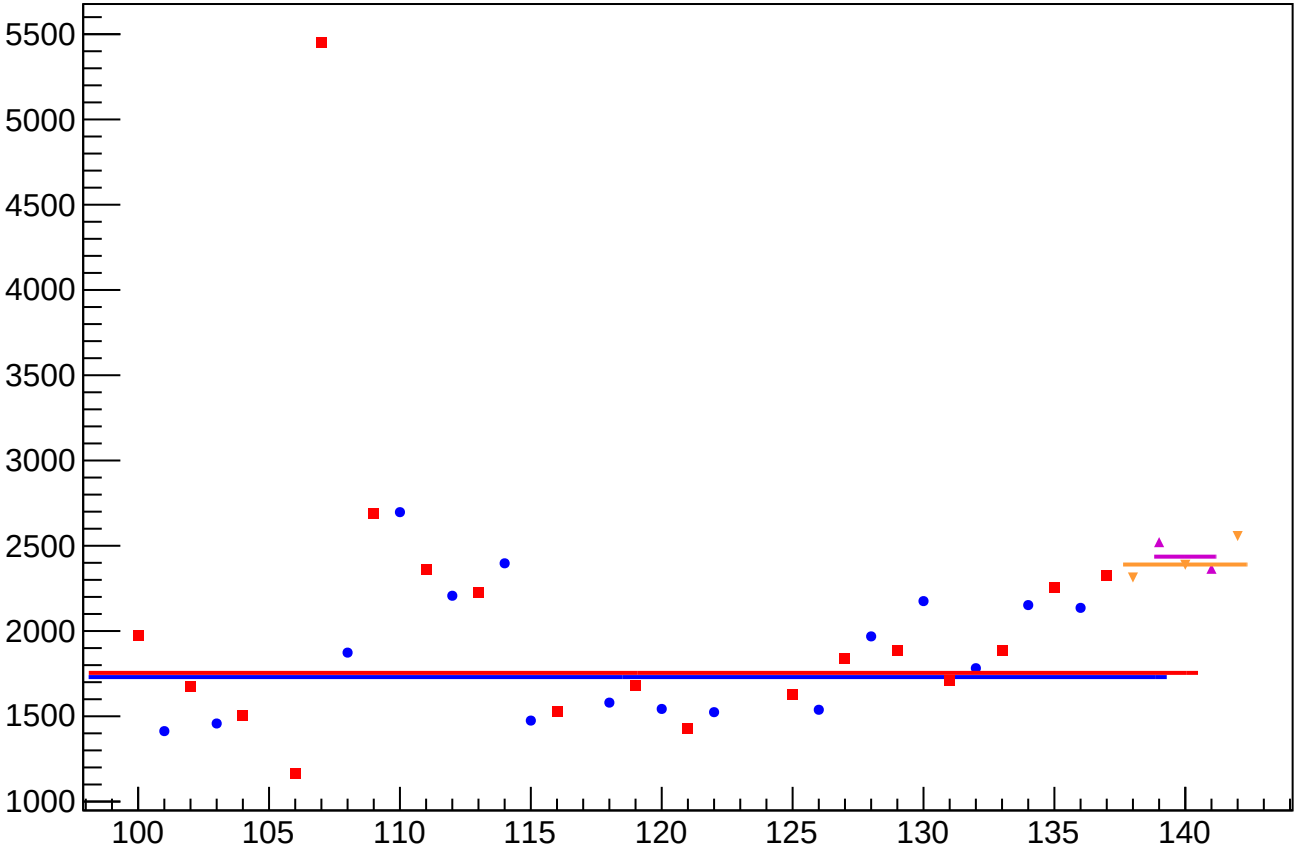
Left In: 849.383+/-1865.803 χ^2/NDF:0.0/1

+ sign 196.249+/-612.600 χ^2/NDF: 19.3/18

All: 378.437+/-441.684 χ^2/NDF: 33.5/38

- sign 575.681+/-637.410 χ^2/NDF: 14.0/19

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2389.994+/-1.184 χ^2/NDF:5380.2/2

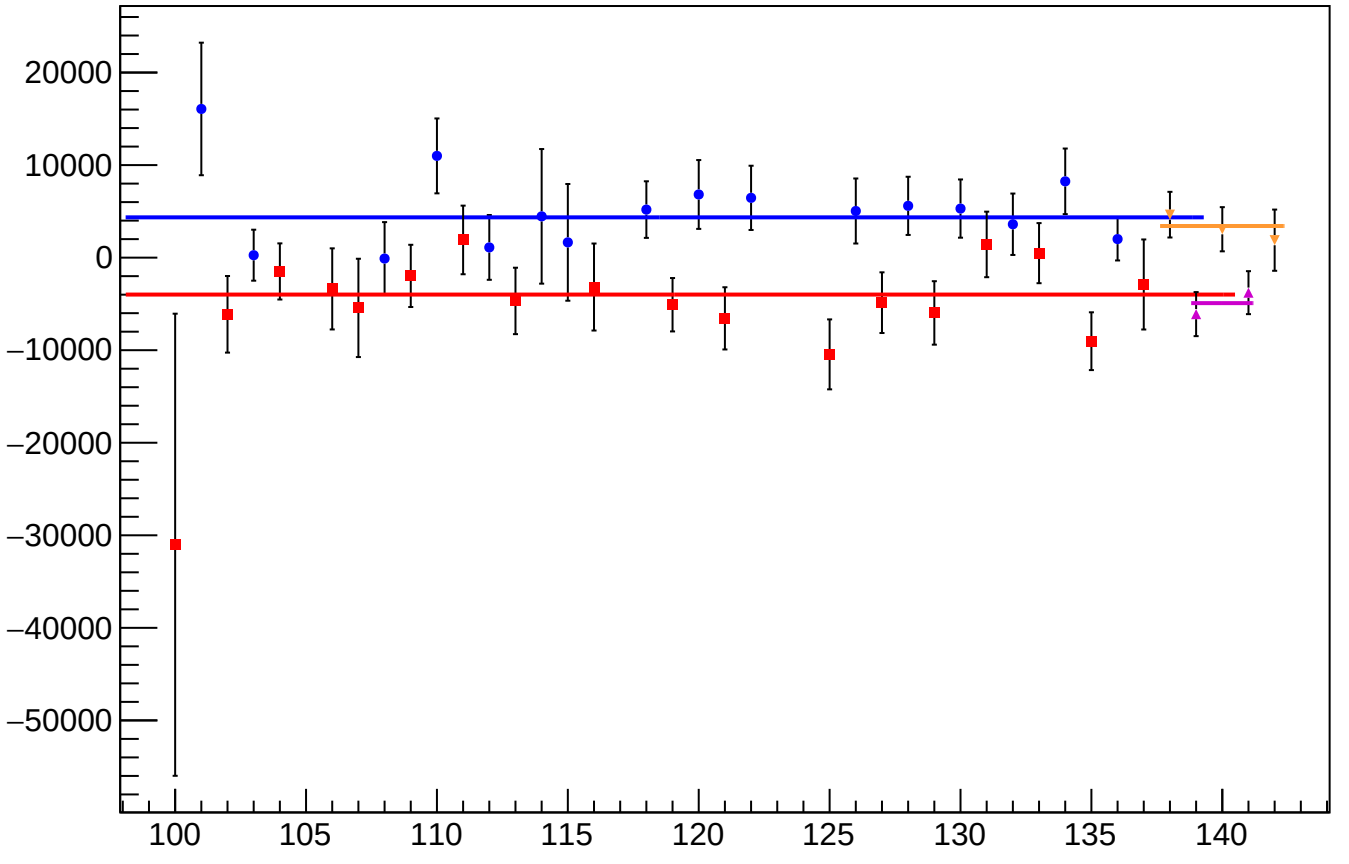
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2436.142+/-1.319 χ^2/NDF:3472.2/1

+ sign 1818.201+/-0.433 χ^2/NDF: 754363.3/18

All: 1825.824+/-0.312 χ^2/NDF: 1745256.2/38

- sign 1834.077+/-0.451 χ^2/NDF: 990247.9/19



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3418.006+/-1522.613 χ^2/NDF:0.5/2

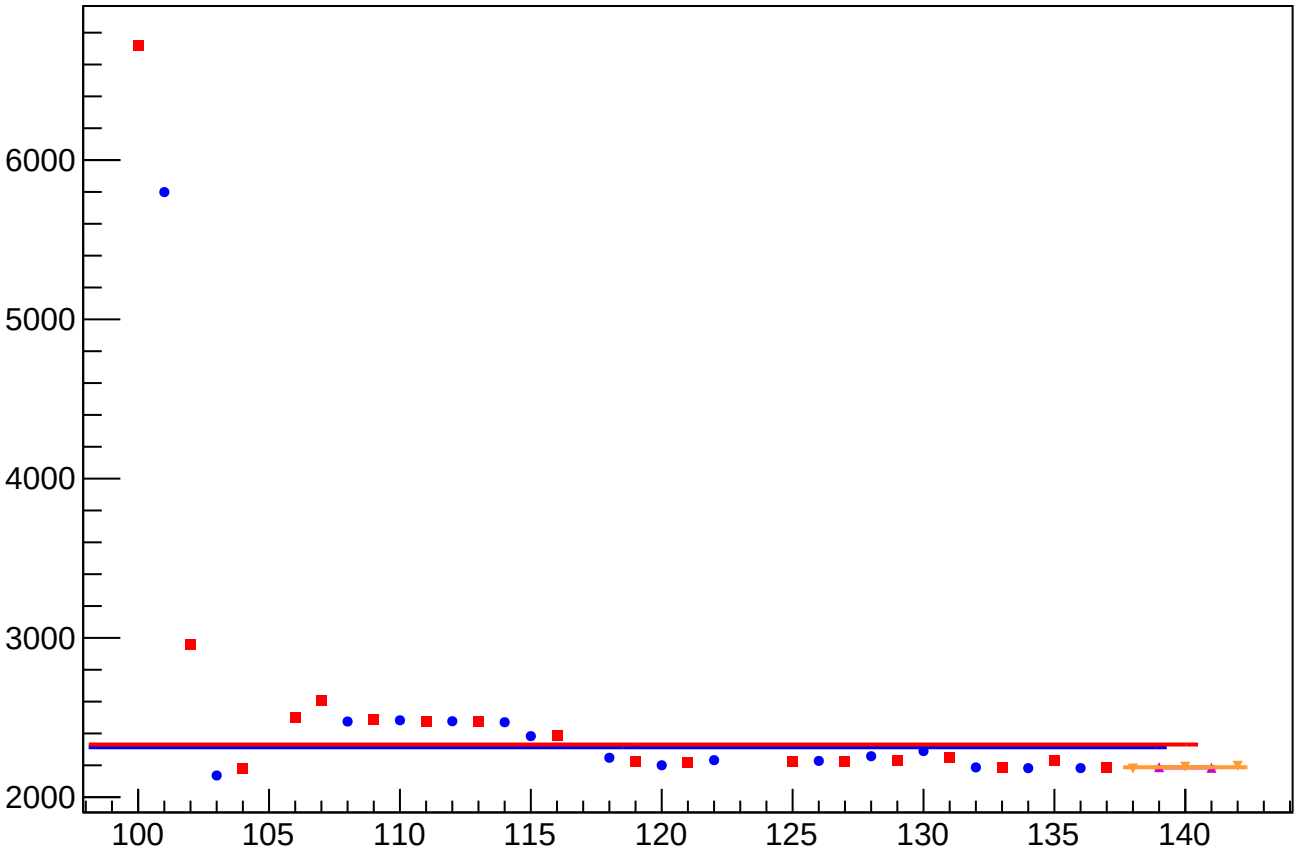
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4914.143+/-1661.827 χ^2/NDF:0.5/1

+ sign 4121.321+/-758.752 χ^2/NDF: 14.1/18

All: 36.760+/-541.065 χ^2/NDF: 89.9/38

- sign -4189.229+/-771.776 χ^2/NDF: 16.9/19



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

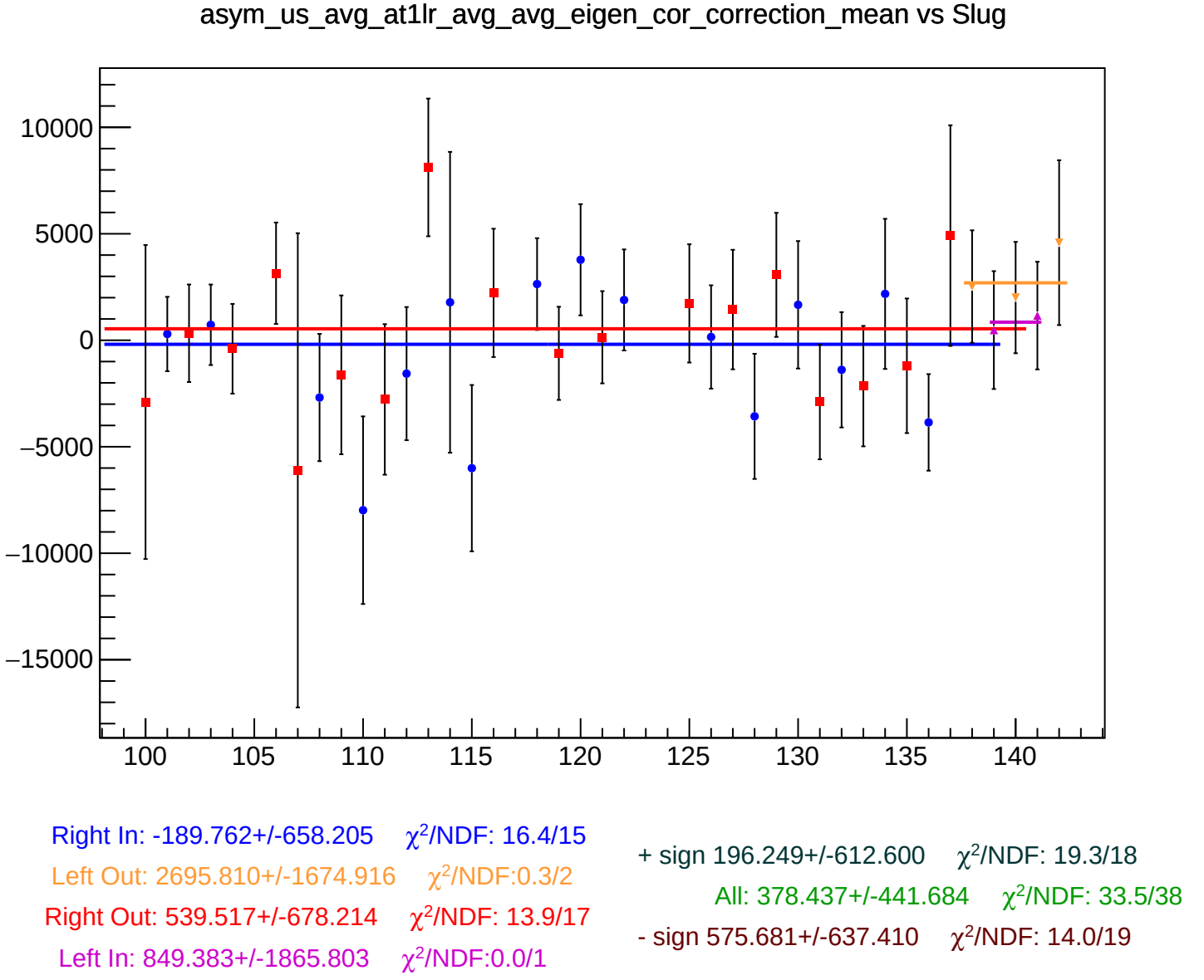
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

+ sign 2282.236+/-0.537 χ^2/NDF: 522636.0/18

All: 2290.729+/-0.383 χ^2/NDF: 686480.9/38

- sign 2299.515+/-0.546 χ^2/NDF: 163335.1/19


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
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−5000
−10000
−15000
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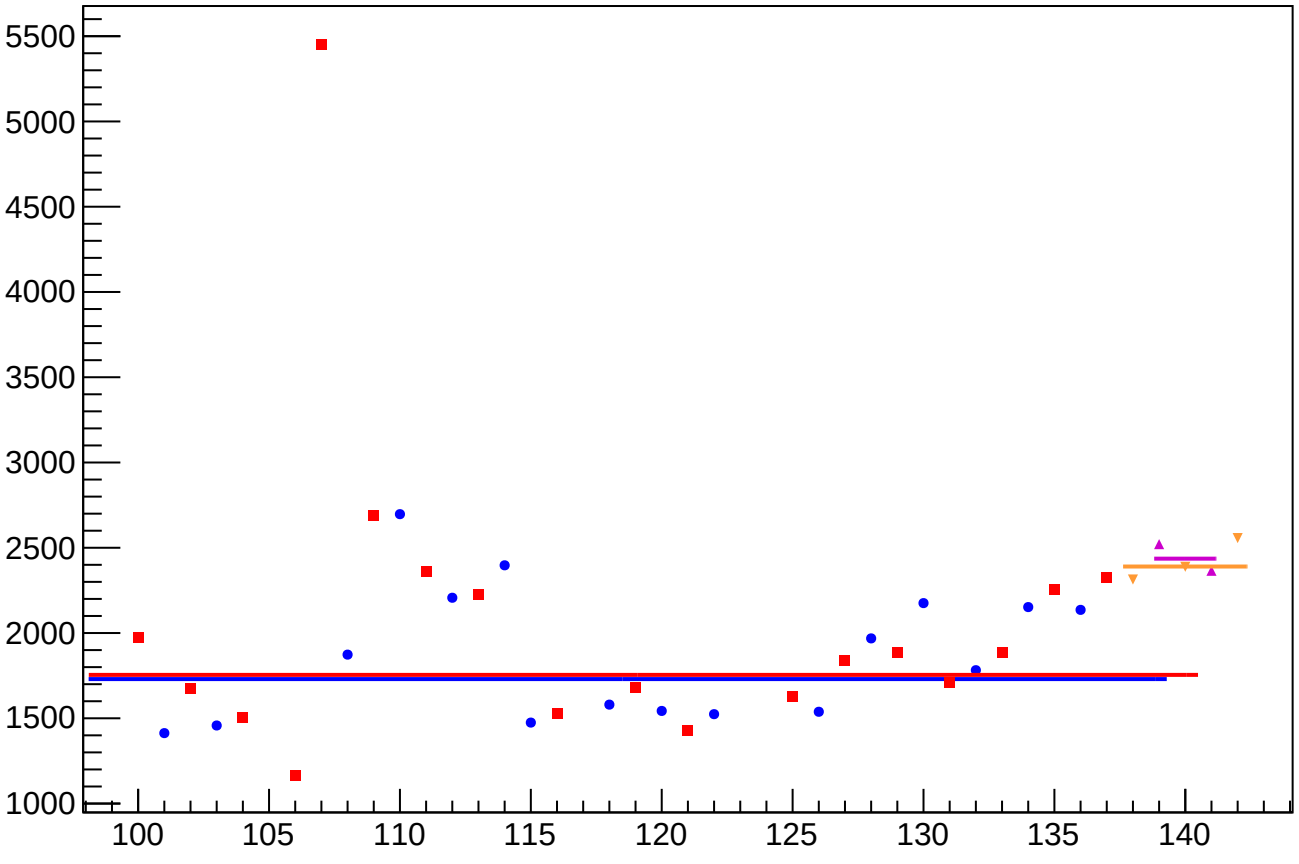
110
115
120
125
130
135
140
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 2695.810+/-1674.916 χ²/NDF:0.3/2
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 849.383+/-1865.803 χ²/NDF:0.0/1
+ sign 196.249+/-612.600 χ²/NDF: 19.3/18
All: 378.437+/-441.684 χ²/NDF: 33.5/38
- sign 575.681+/-637.410 χ²/NDF: 14.0/19



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2389.994+/-1.184 χ^2/NDF:5380.2/2

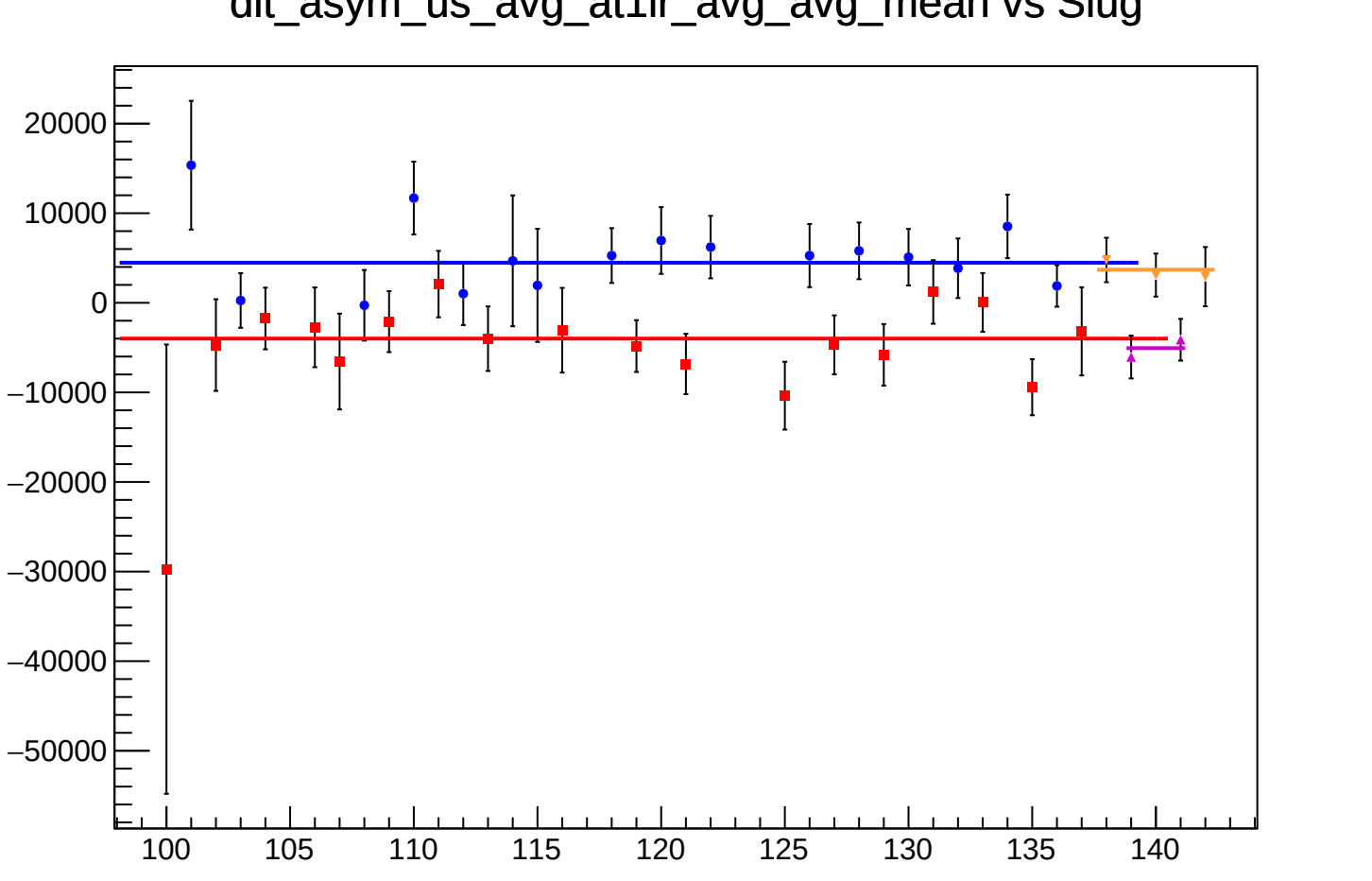
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2436.142+/-1.319 χ^2/NDF:3472.2/1

+ sign 1818.201+/-0.433 χ^2/NDF: 754363.3/18

All: 1825.824+/-0.312 χ^2/NDF: 1745256.2/38

- sign 1834.077+/-0.451 χ^2/NDF: 990247.9/19



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3696.761+/-1528.781 χ^2/NDF:0.3/2

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

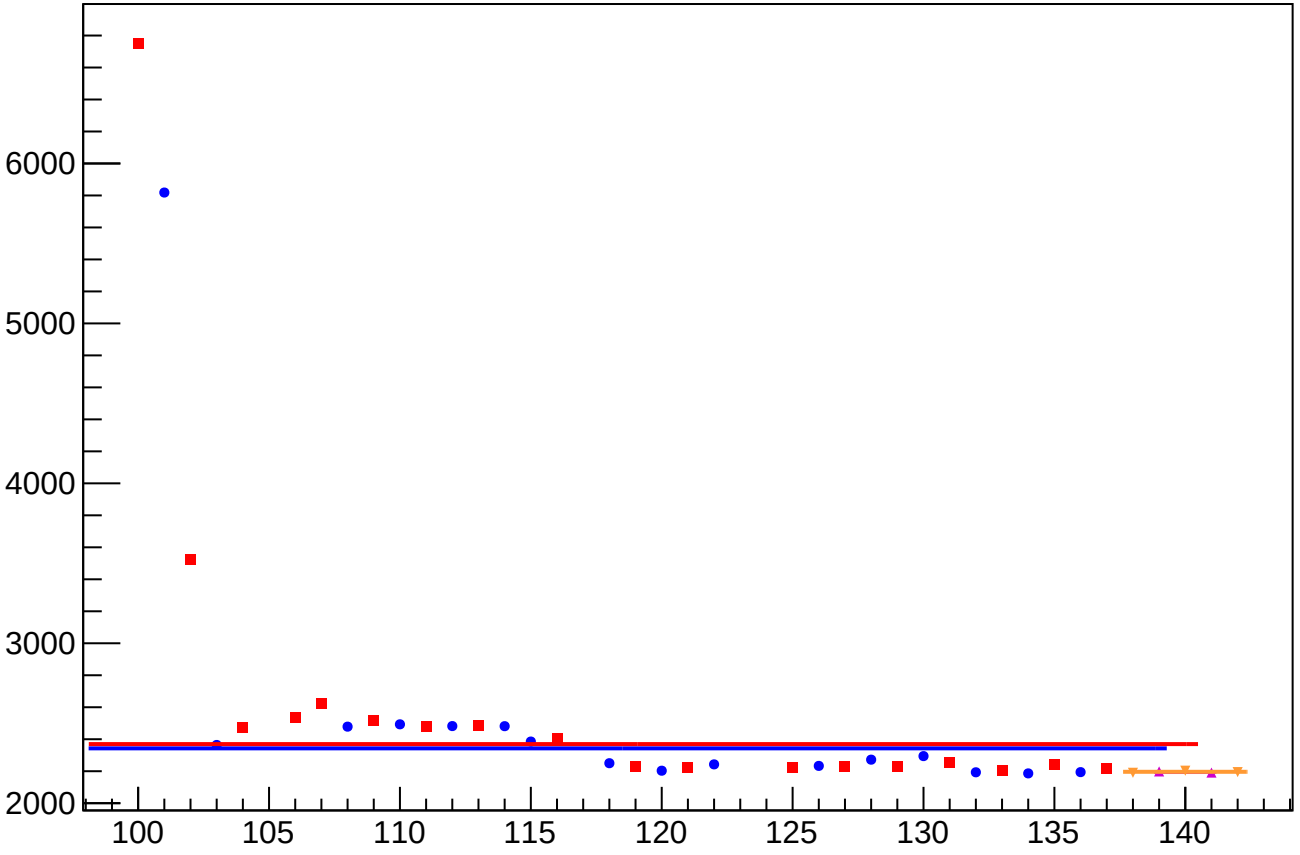
Left In: -5062.663+/-1668.505 χ^2/NDF:0.3/1

+ sign 4280.372+/-766.625 χ^2/NDF: 14.1/18

All: 127.930+/-548.662 χ^2/NDF: 90.3/38

- sign -4232.302+/-785.571 χ^2/NDF: 16.1/19

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.327+/-1.081 χ^2/NDF:29.7/2

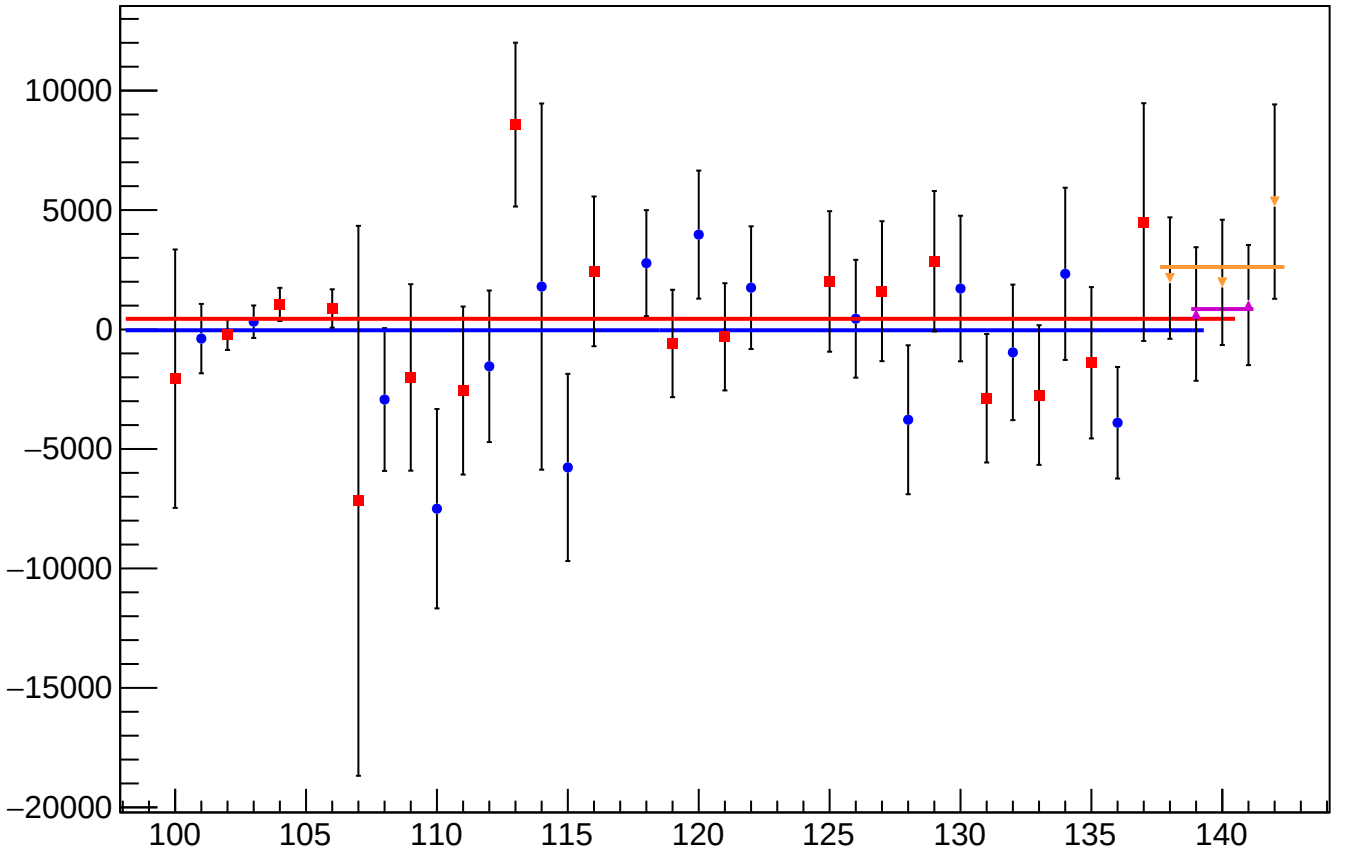
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2194.994+/-1.180 χ^2/NDF:9.6/1

+ sign 2306.053+/-0.542 χ^2/NDF: 516659.9/18

All: 2318.160+/-0.388 χ^2/NDF: 744881.5/38

- sign 2330.873+/-0.555 χ^2/NDF: 227199.0/19



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 2616.717+/-1665.385 χ^2/NDF:0.5/2

Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

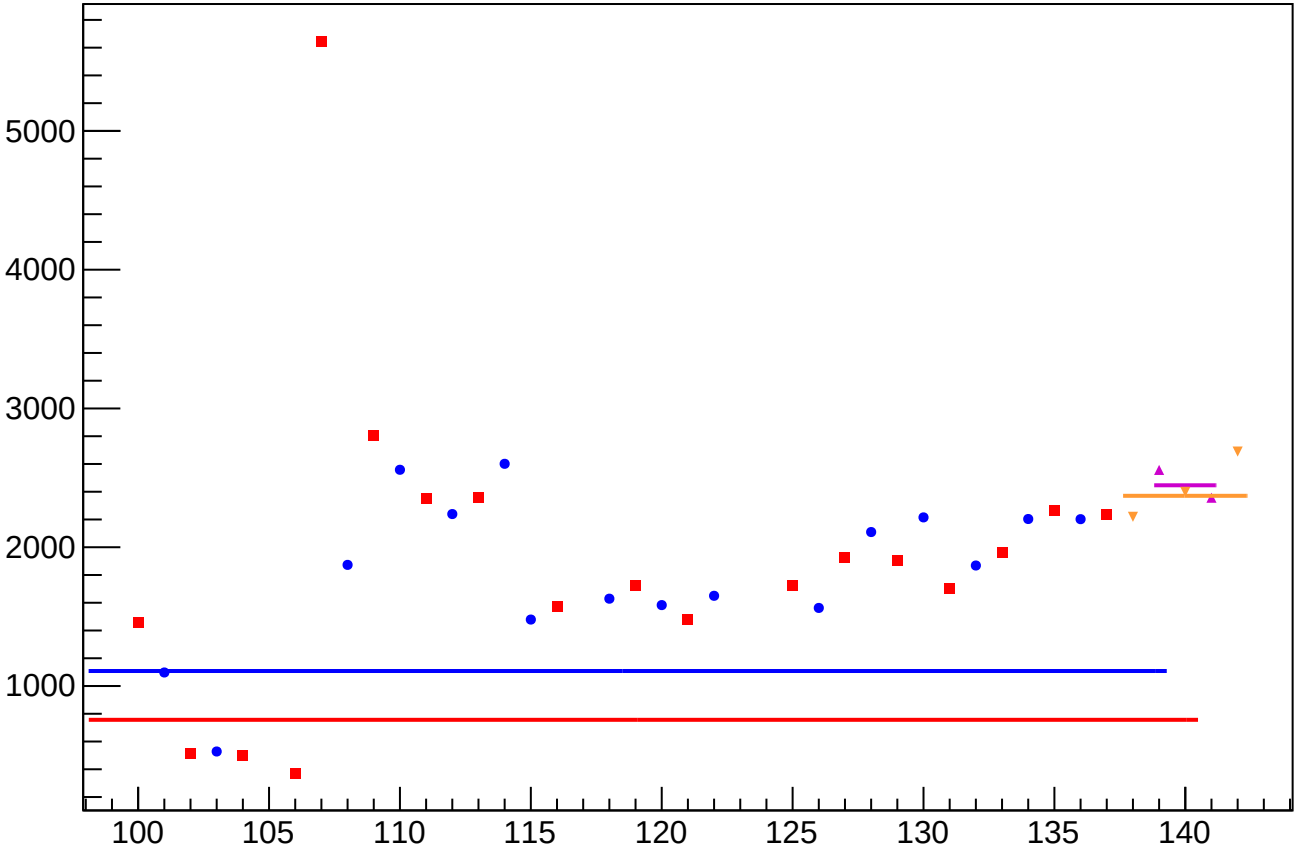
Left In: 856.449+/-1869.678 χ^2/NDF:0.0/1

\+ sign 175.897+/-465.946 χ^2/NDF: 19.2/18

All: 357.235+/-282.852 χ^2/NDF: 34.6/38

\- sign 463.055+/-355.939 χ^2/NDF: 15.1/19

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2370.622+/-1.178 χ^2/NDF:19595.7/2

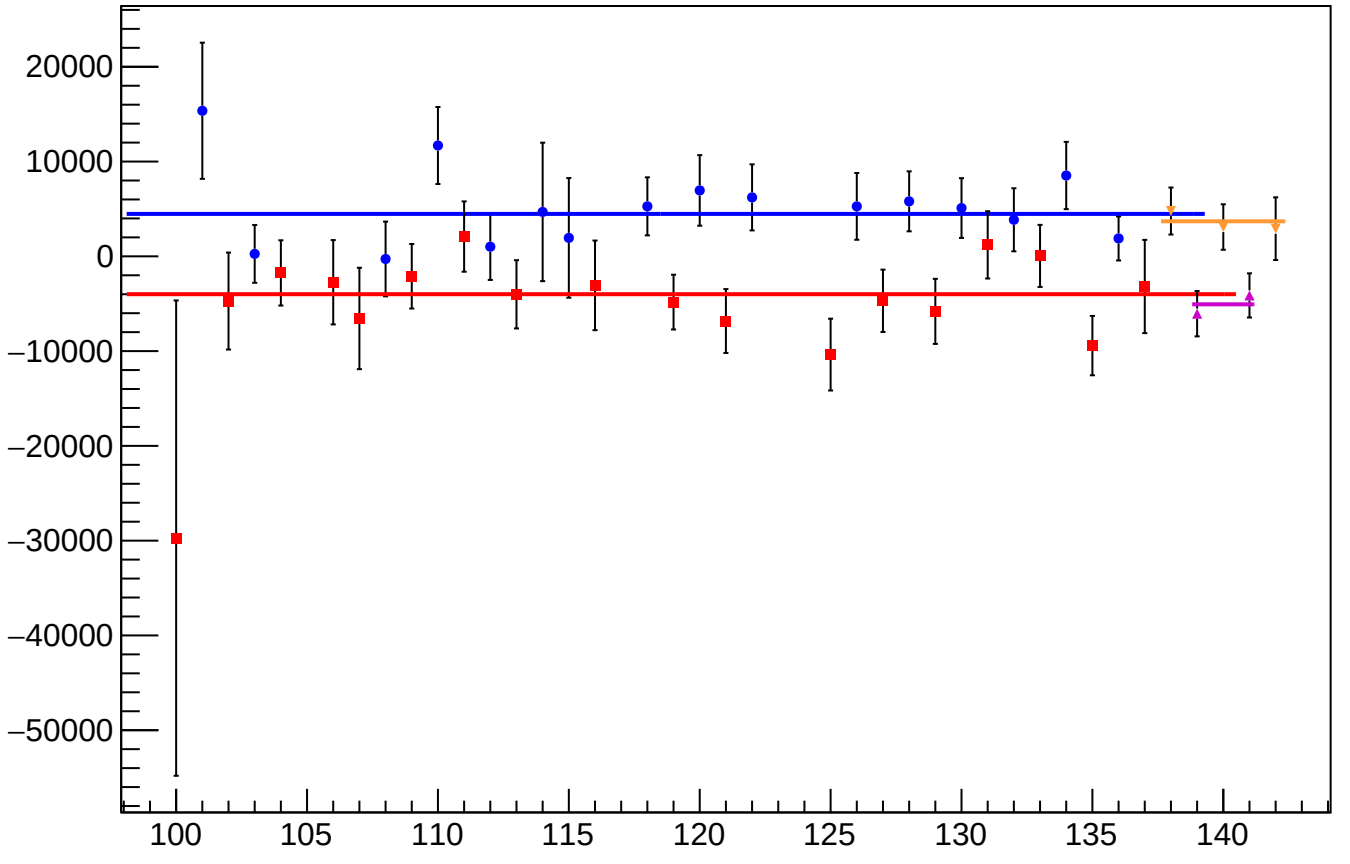
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2446.479+/-1.322 χ^2/NDF:5679.4/1

+ sign 1206.964+/-0.329 χ^2/NDF: 4825452.2/18

All: 961.129+/-0.200 χ^2/NDF: 12890920.3/38

- sign 817.671+/-0.252 χ^2/NDF: 7183850.7/19



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3696.766+/-1528.781 χ^2/NDF:0.3/2

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

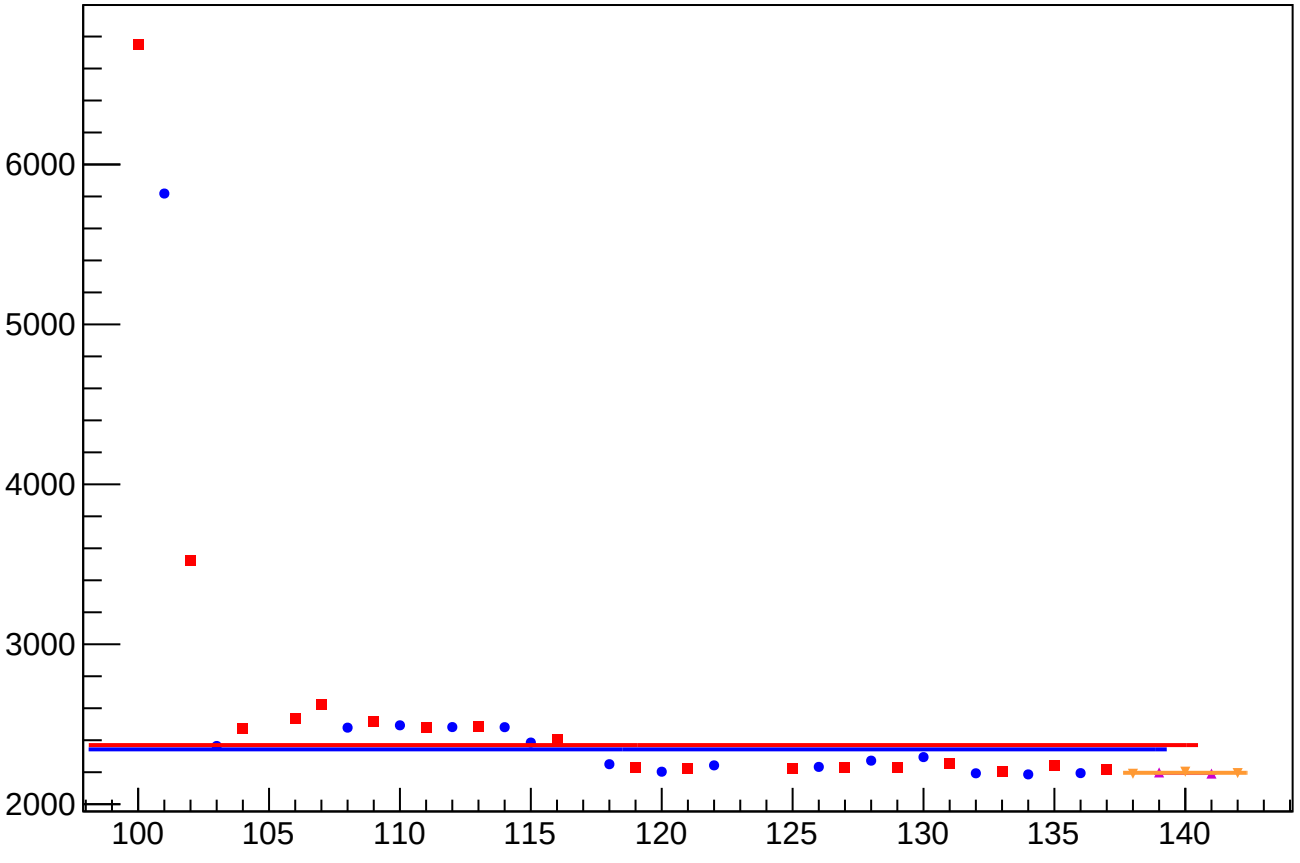
Left In: -5062.660+/-1668.505 χ^2/NDF:0.3/1

+ sign 4280.371+/-766.624 χ^2/NDF: 14.1/18

All: 127.931+/-548.661 χ^2/NDF: 90.3/38

- sign -4232.298+/-785.571 χ^2/NDF: 16.1/19

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: 2196.327+/-1.081 χ^2/NDF:29.7/2

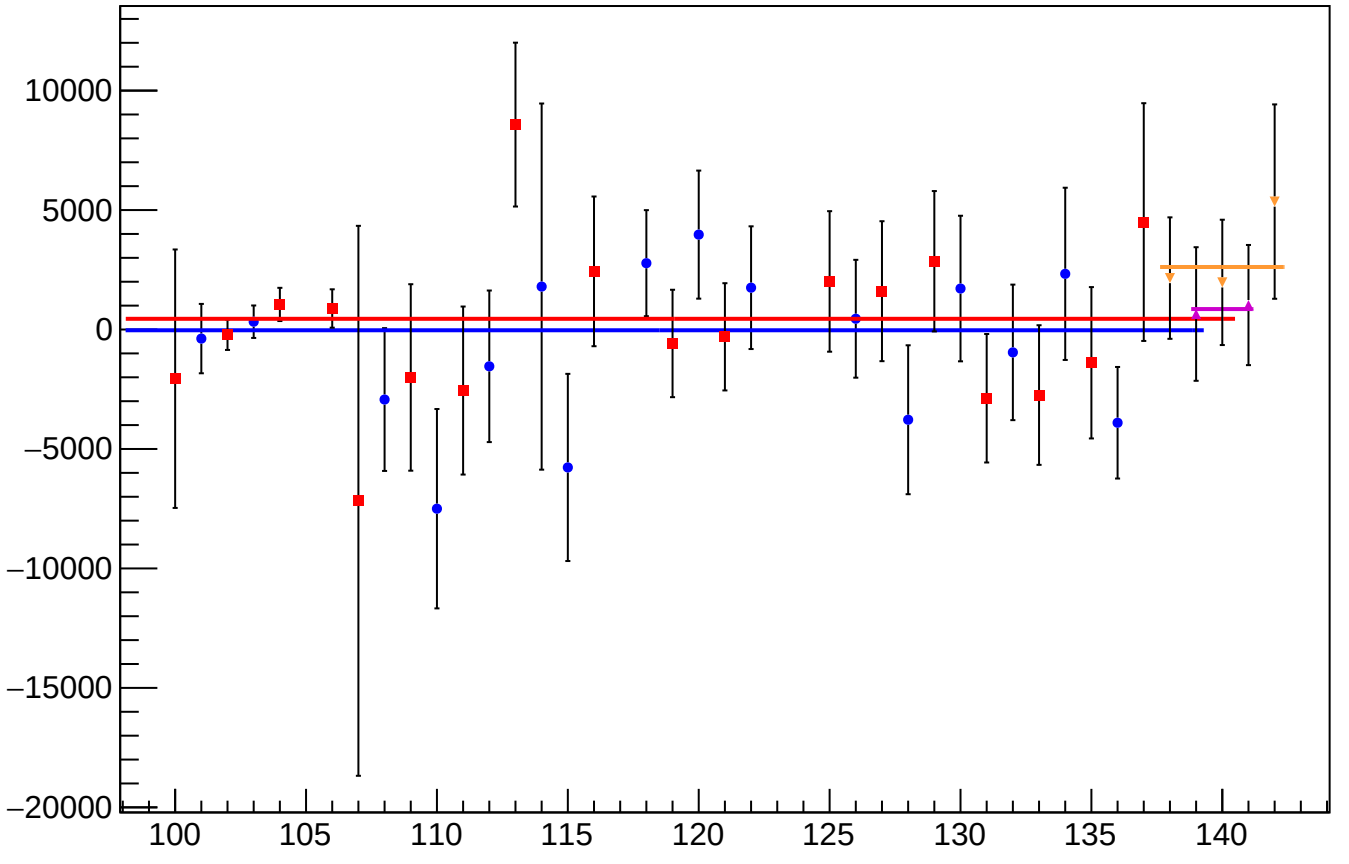
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2194.994+/-1.180 χ^2/NDF:9.6/1

+ sign 2306.052+/-0.542 χ^2/NDF: 516659.8/18

All: 2318.160+/-0.388 χ^2/NDF: 744880.3/38

- sign 2330.872+/-0.555 χ^2/NDF: 227197.8/19



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 2616.724+/-1665.388 χ^2/NDF:0.5/2

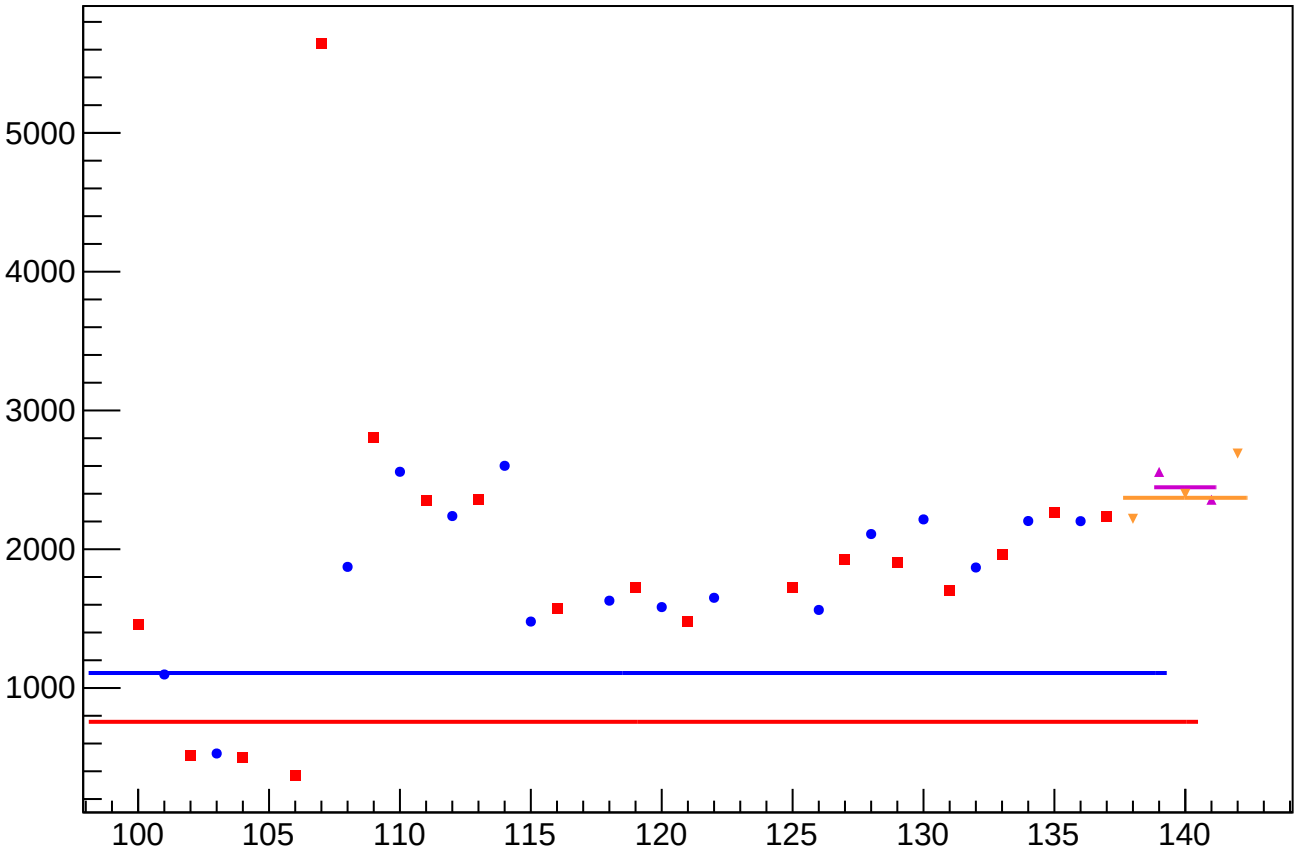
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 856.453+/-1869.681 χ^2/NDF:0.0/1

+ sign 175.893+/-465.949 χ^2/NDF: 19.2/18

All: 357.234+/-282.855 χ^2/NDF: 34.6/38

- sign 463.059+/-355.944 χ^2/NDF: 15.1/19



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2370.626+/-1.178 χ^2/NDF:19595.8/2

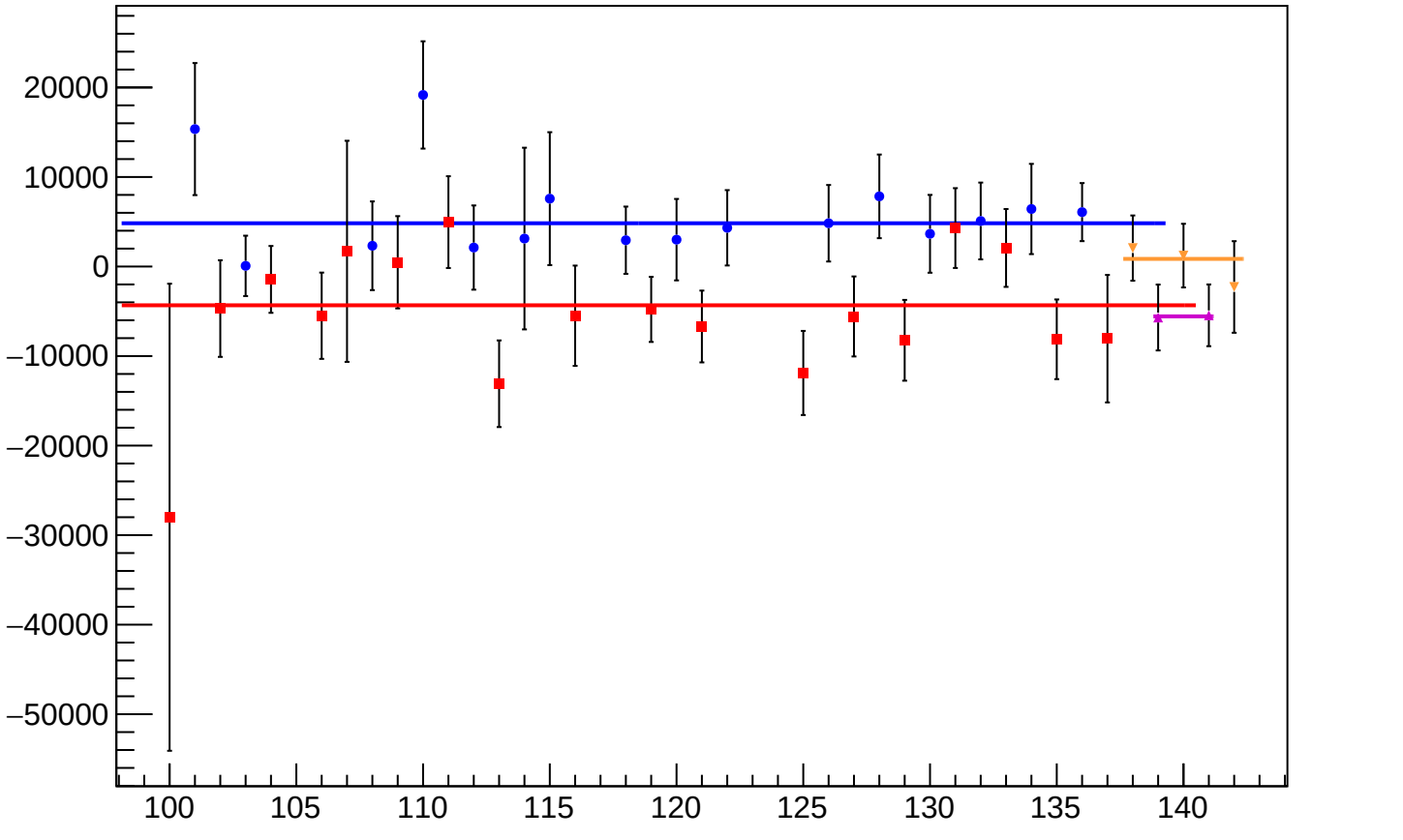
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2446.483+/-1.322 χ^2/NDF:5679.4/1

+ sign 1206.975+/-0.329 χ^2/NDF: 4825363.0/18

All: 961.144+/-0.200 χ^2/NDF: 12890645.0/38

- sign 817.687+/-0.252 χ^2/NDF: 7183705.4/19



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 852.294+/-2278.214 χ^2/NDF:0.5/2

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

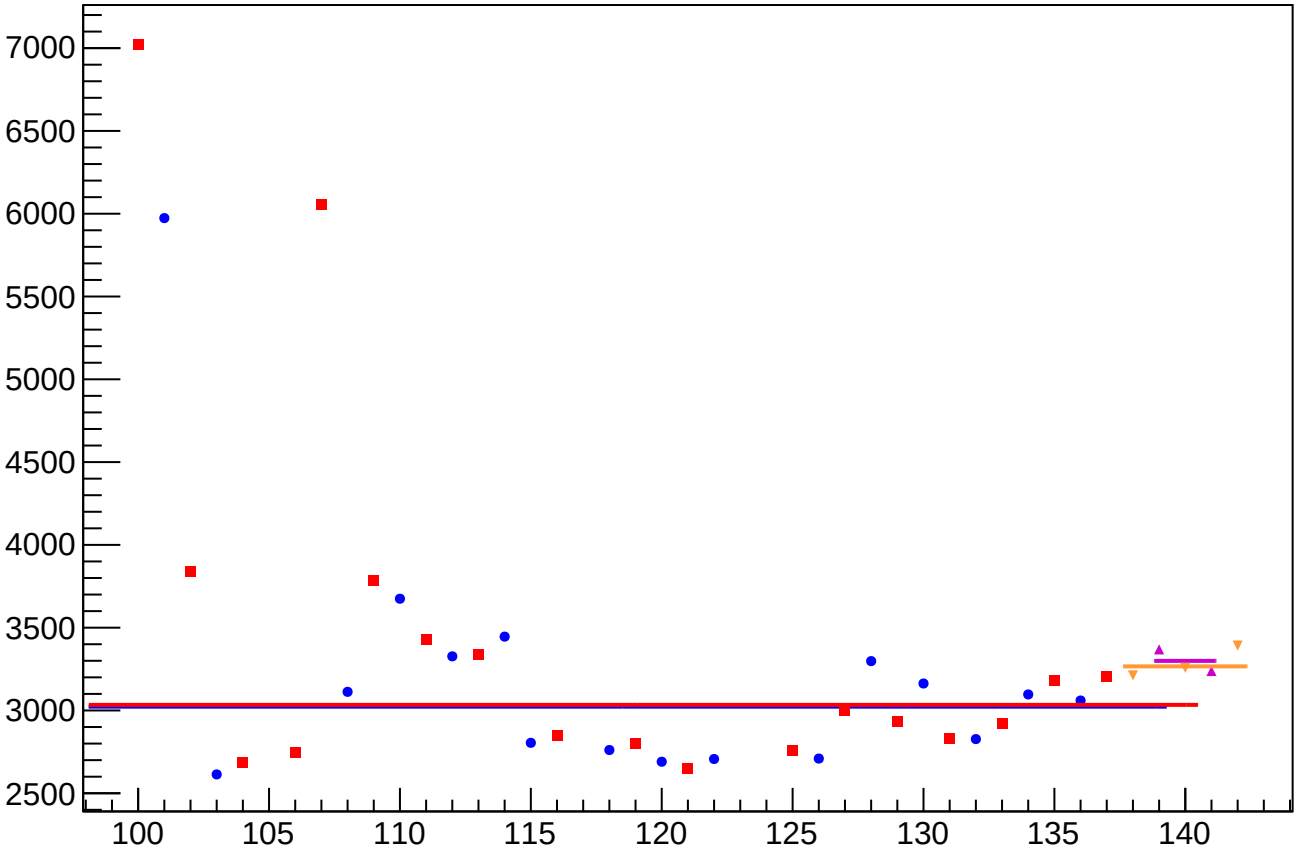
Left In: -5565.460+/-2515.337 χ^2/NDF:0.0/1

+ sign 4033.669+/-1021.299 χ^2/NDF: 14.6/18

All: -168.498+/-729.295 χ^2/NDF: 69.3/38

- sign -4540.762+/-1041.764 χ^2/NDF: 20.1/19

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3266.281+/-1.611 χ^2/NDF:1663.1/2

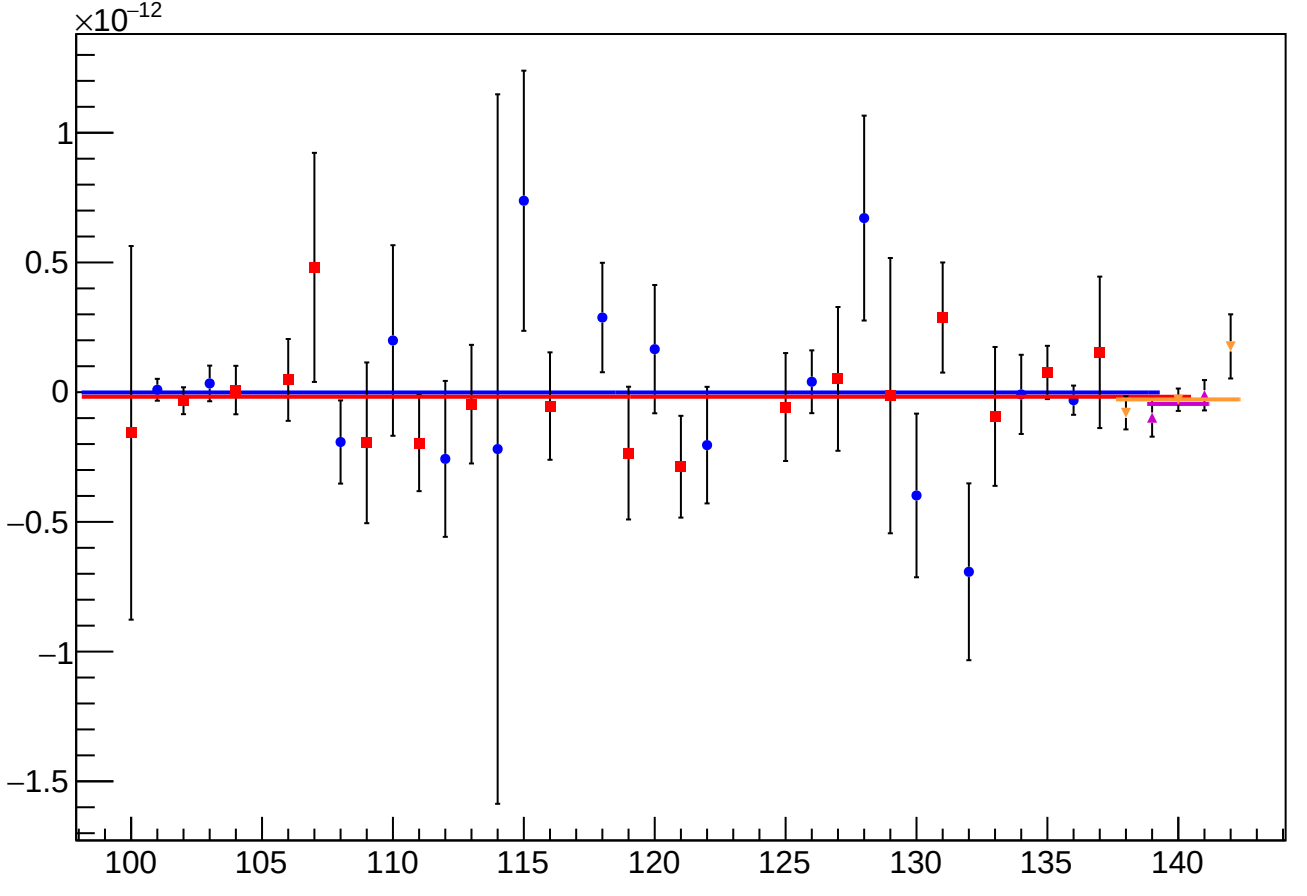
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3299.420+/-1.779 χ^2/NDF:1344.2/1

+ sign 3071.945+/-0.722 χ^2/NDF: 463581.9/18

All: 3075.608+/-0.516 χ^2/NDF: 826120.9/38

- sign 3079.419+/-0.737 χ^2/NDF: 362486.6/19



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/2

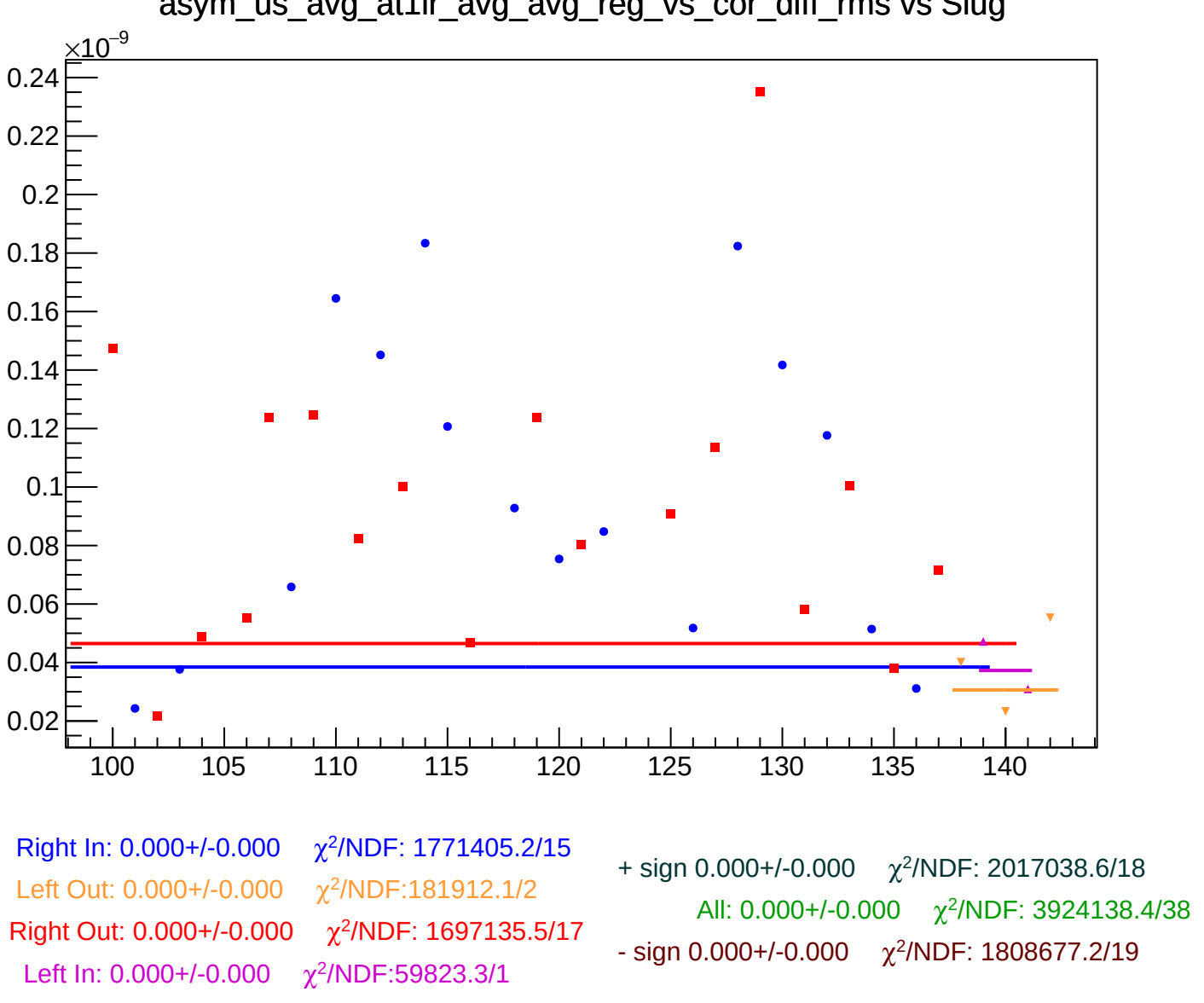
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

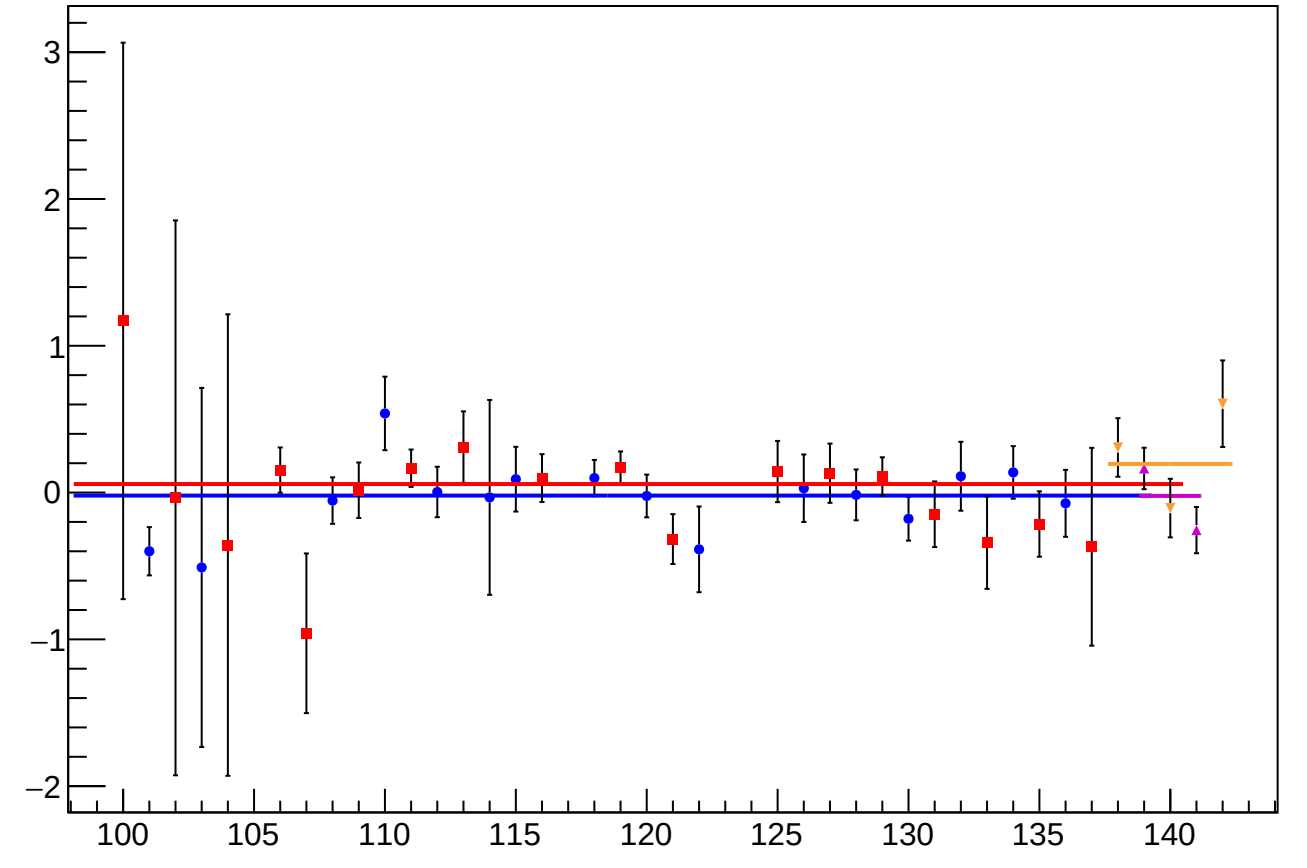
Left In: -0.000+/-0.000 χ^2/NDF:0.8/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.9/18

All: -0.000+/-0.000 χ^2/NDF: 31.1/38

- sign -0.000+/-0.000 χ^2/NDF: 10.1/19


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:181912.1/2
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:59823.3/1
+ sign 0.000+/-0.000 χ²/NDF: 2017038.6/18
All: 0.000+/-0.000 χ²/NDF: 3924138.4/38
- sign 0.000+/-0.000 χ²/NDF: 1808677.2/19



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.195+/-0.127 χ^2/NDF:4.5/2

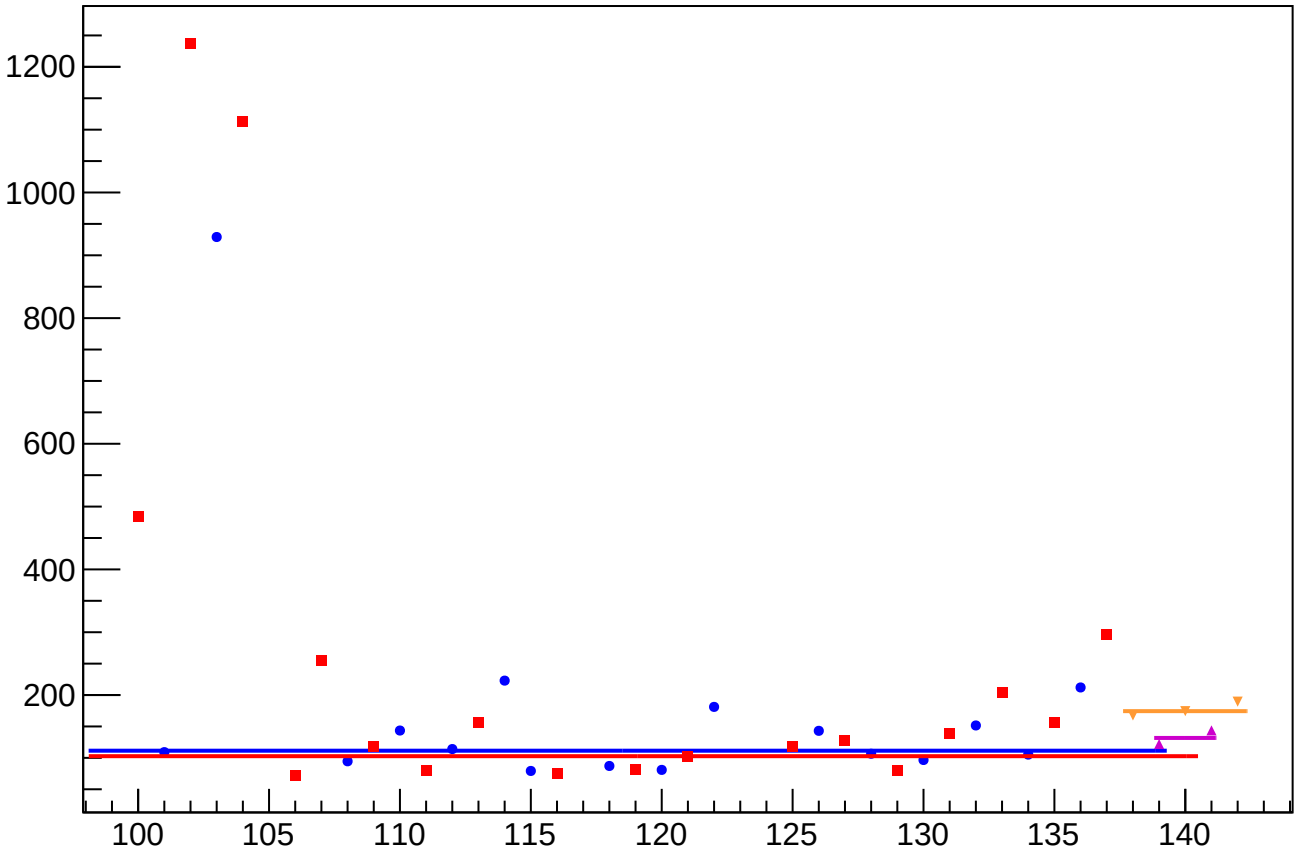
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.023+/-0.105 χ^2/NDF:3.9/1

\+ sign 0.006+/-0.045 χ^2/NDF: 22.7/18

All: 0.026+/-0.031 χ^2/NDF: 44.3/38

\- sign 0.045+/-0.042 χ^2/NDF: 21.3/19



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 174.378+/-0.090 χ^2/NDF:7643.0/2

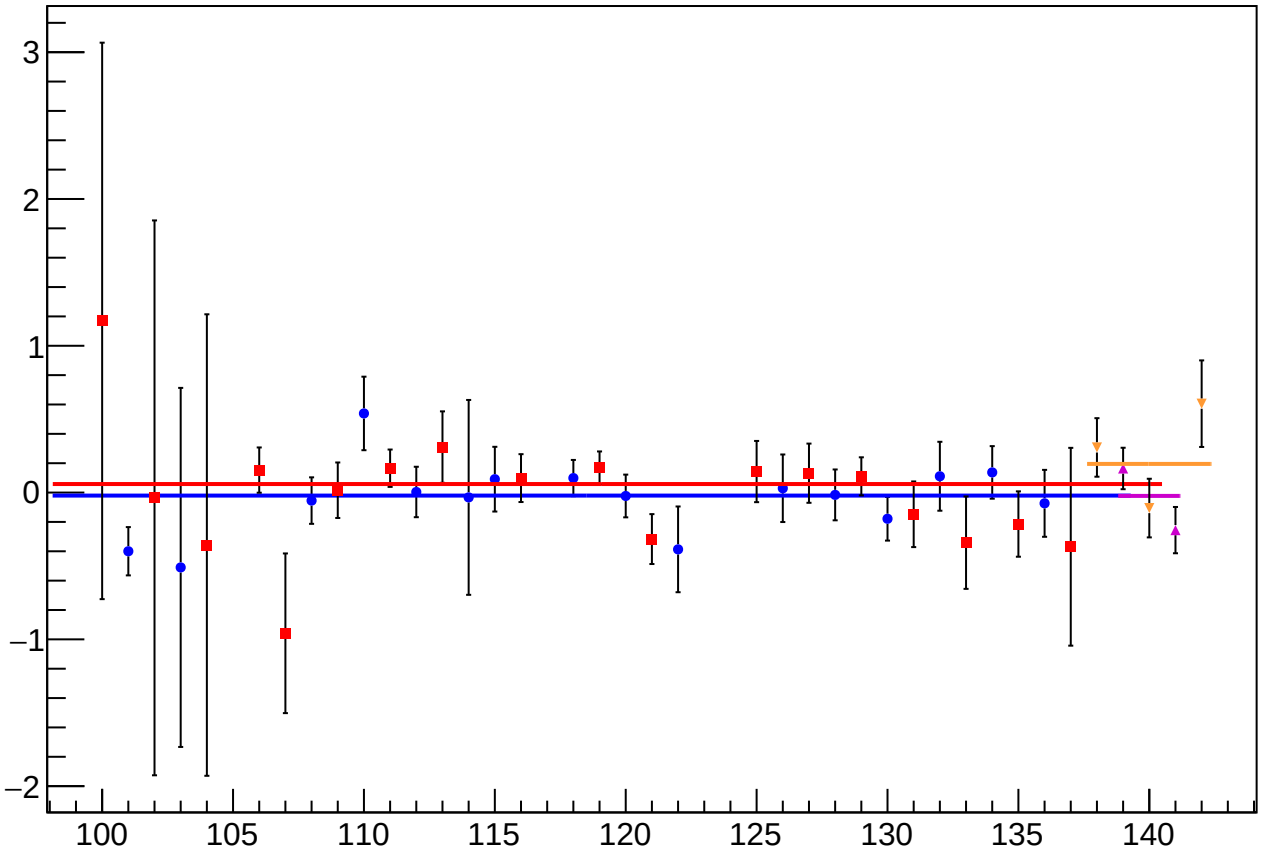
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 131.713+/-0.074 χ^2/NDF:21014.3/1

+ sign 119.141+/-0.032 χ^2/NDF: 2276421.2/18

All: 112.982+/-0.022 χ^2/NDF: 5324552.2/38

- sign 107.404+/-0.030 χ^2/NDF: 2975473.9/19



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.195+/-0.127 χ^2/NDF:4.5/2

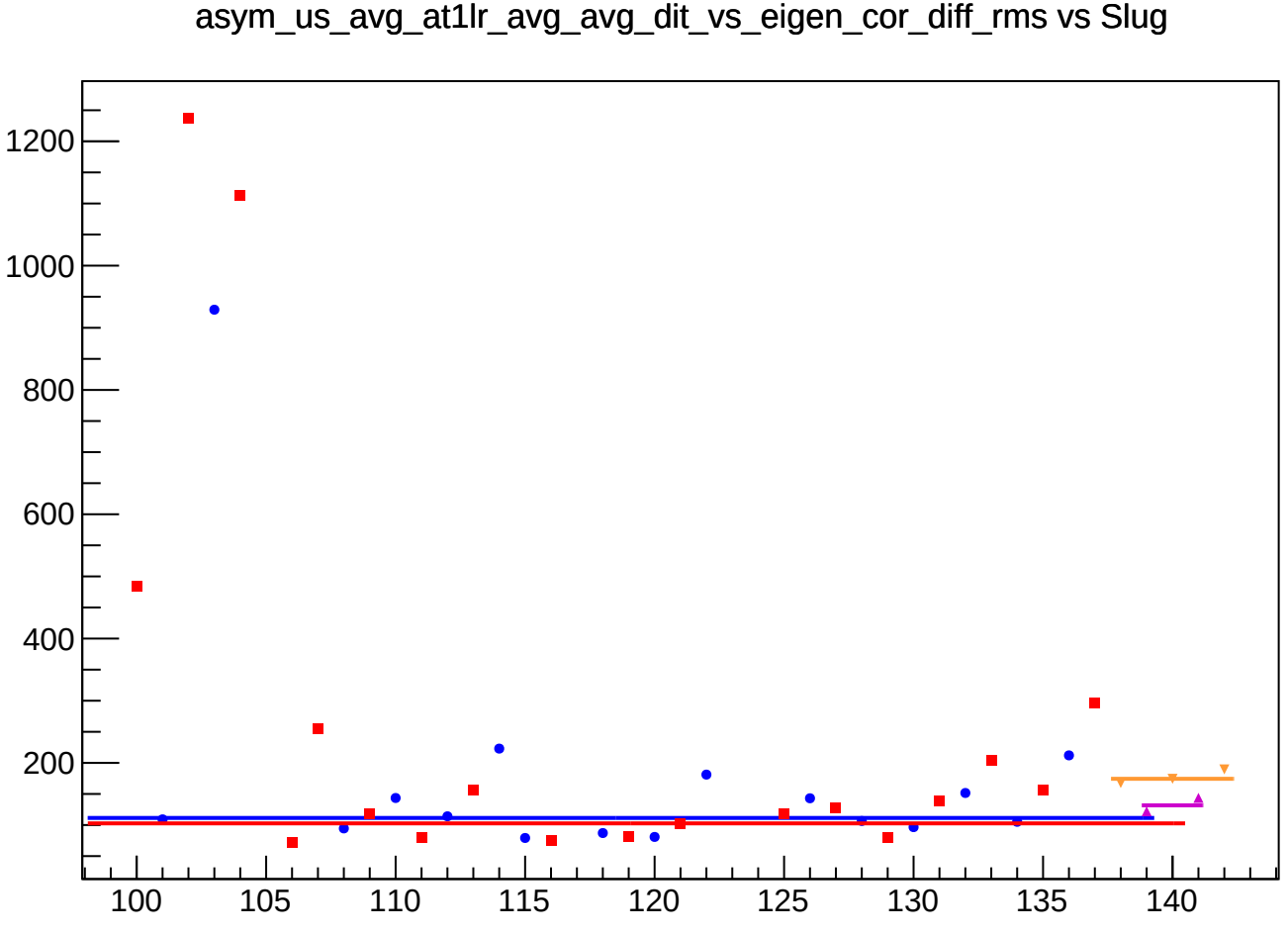
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.023+/-0.105 χ^2/NDF:3.9/1

+ sign 0.006+/-0.045 χ^2/NDF: 22.7/18

All: 0.026+/-0.031 χ^2/NDF: 44.3/38

- sign 0.045+/-0.042 χ^2/NDF: 21.3/19



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 174.378+/-0.090 χ^2/NDF:7643.0/2

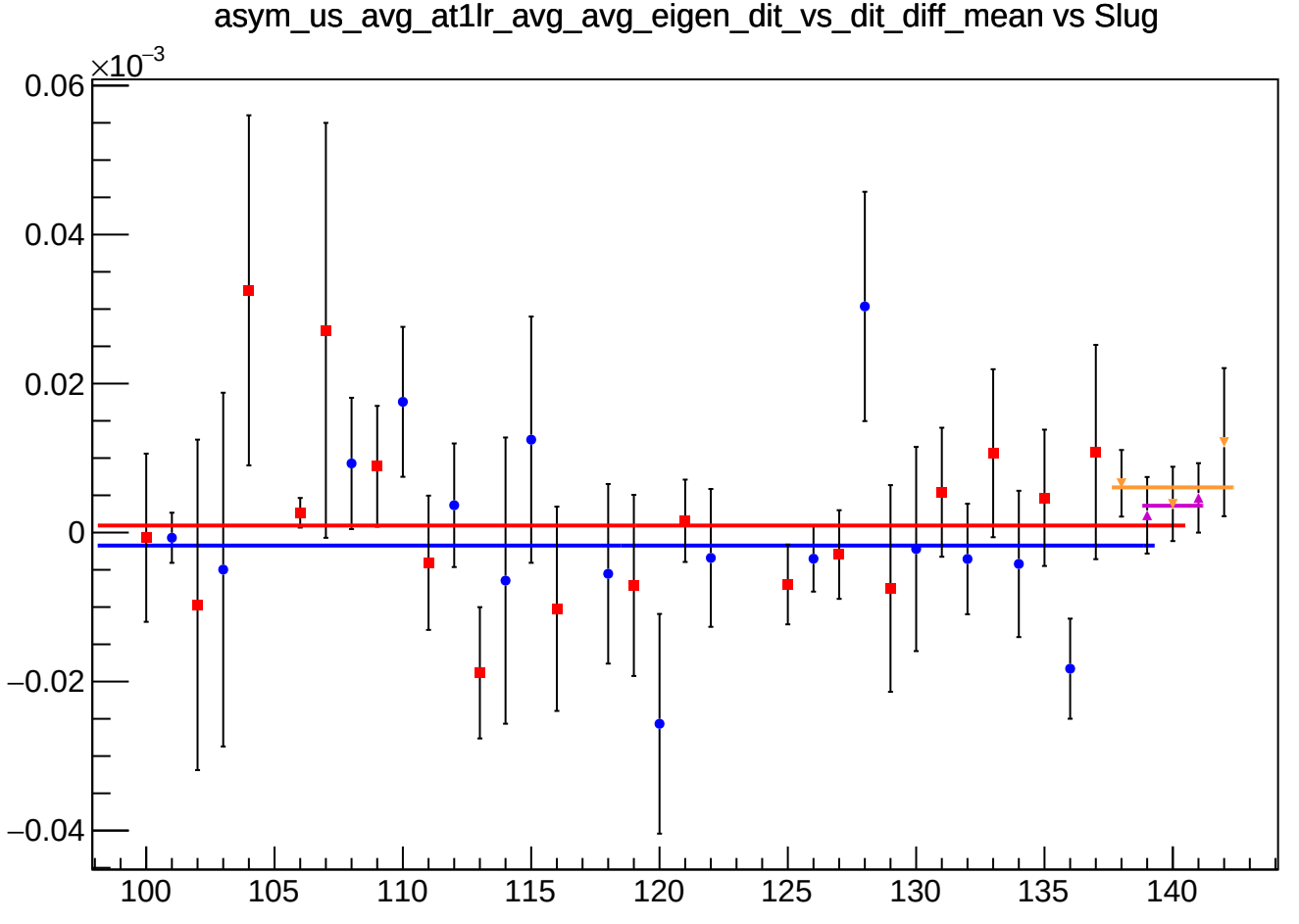
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 131.713+/-0.074 χ^2/NDF:21014.3/1

+ sign 119.141+/-0.032 χ^2/NDF: 2276421.2/18

All: 112.982+/-0.022 χ^2/NDF: 5324552.2/38

- sign 107.404+/-0.030 χ^2/NDF: 2975473.9/19



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/2

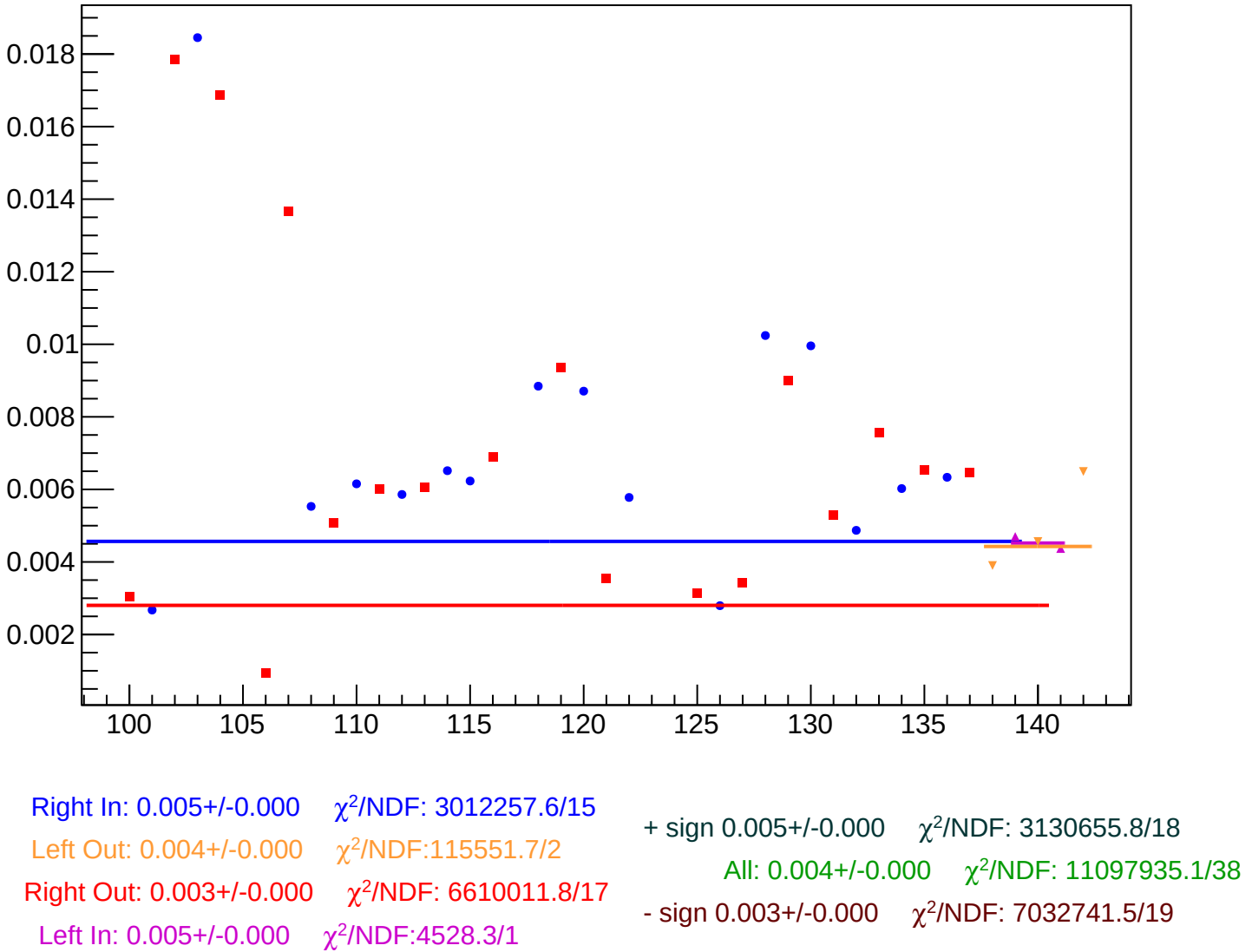
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

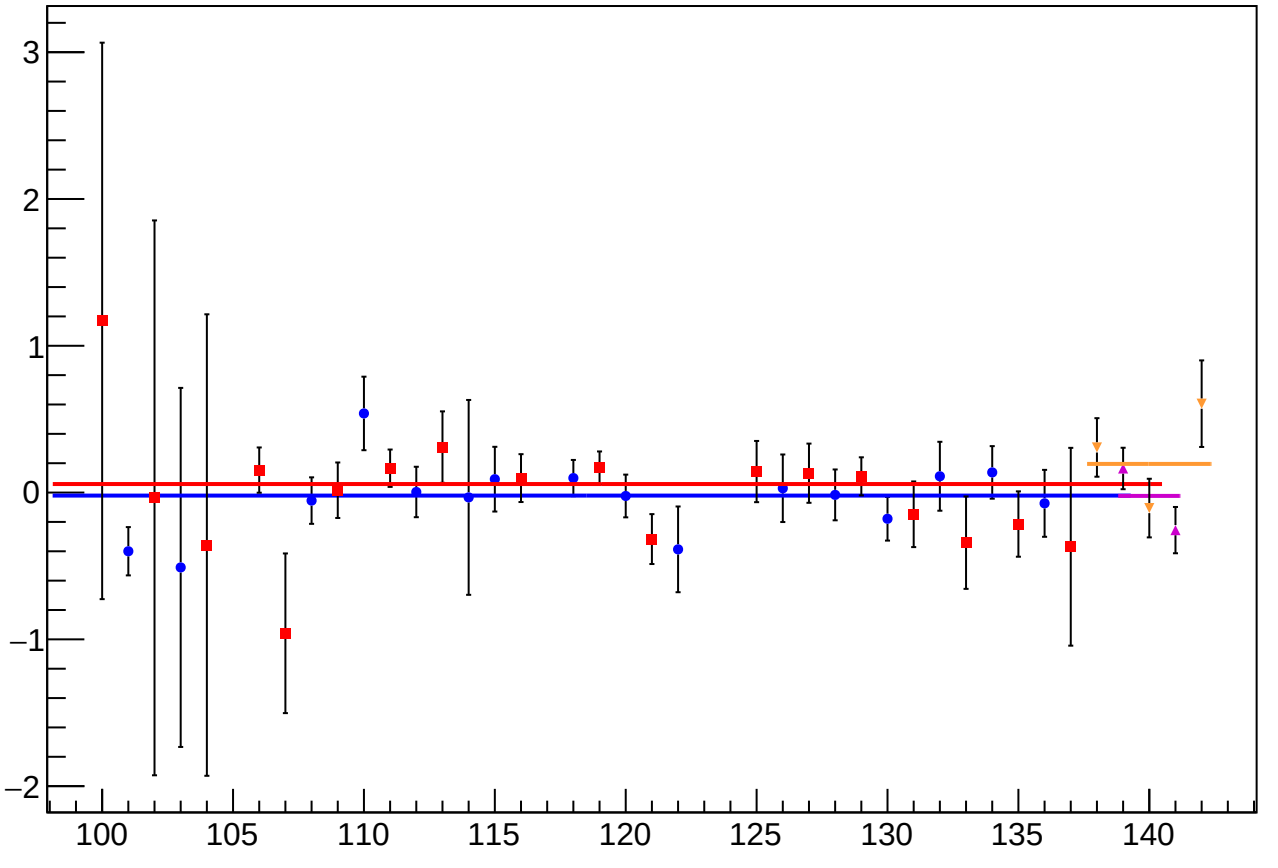
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/18

All: 0.000+/-0.000 χ^2/NDF: 41.6/38

- sign 0.000+/-0.000 χ^2/NDF: 16.3/19


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
140
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:115551.7/2
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.005+/-0.000 χ²/NDF:4528.3/1
+ sign 0.005+/-0.000 χ²/NDF: 3130655.8/18
All: 0.004+/-0.000 χ²/NDF: 11097935.1/38
- sign 0.003+/-0.000 χ²/NDF: 7032741.5/19



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.195+/-0.127 χ^2/NDF:4.5/2

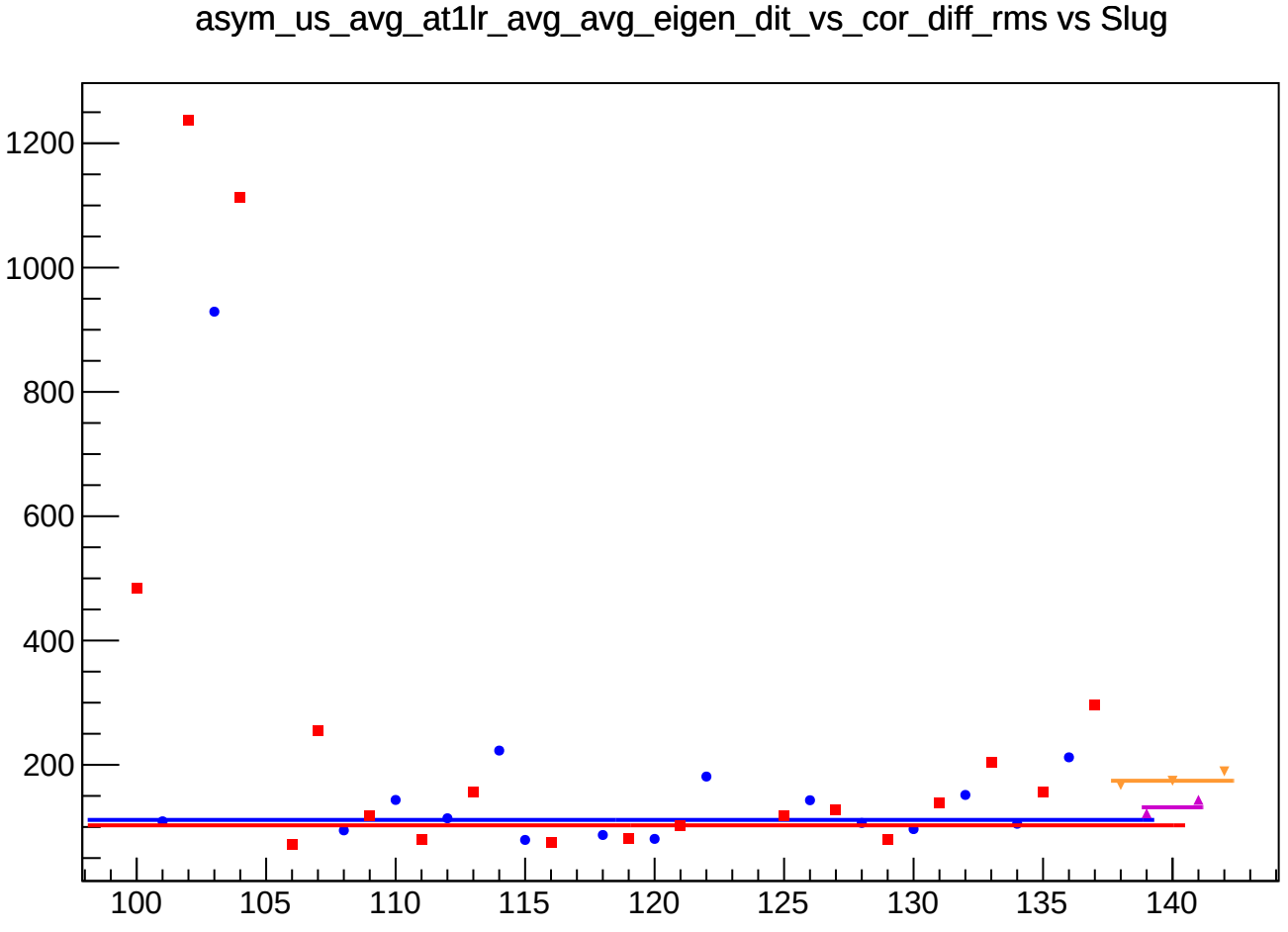
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.023+/-0.105 χ^2/NDF:3.9/1

+ sign 0.006+/-0.045 χ^2/NDF: 22.7/18

All: 0.026+/-0.031 χ^2/NDF: 44.3/38

- sign 0.045+/-0.042 χ^2/NDF: 21.3/19



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 174.378+/-0.090 χ^2/NDF:7643.9/2

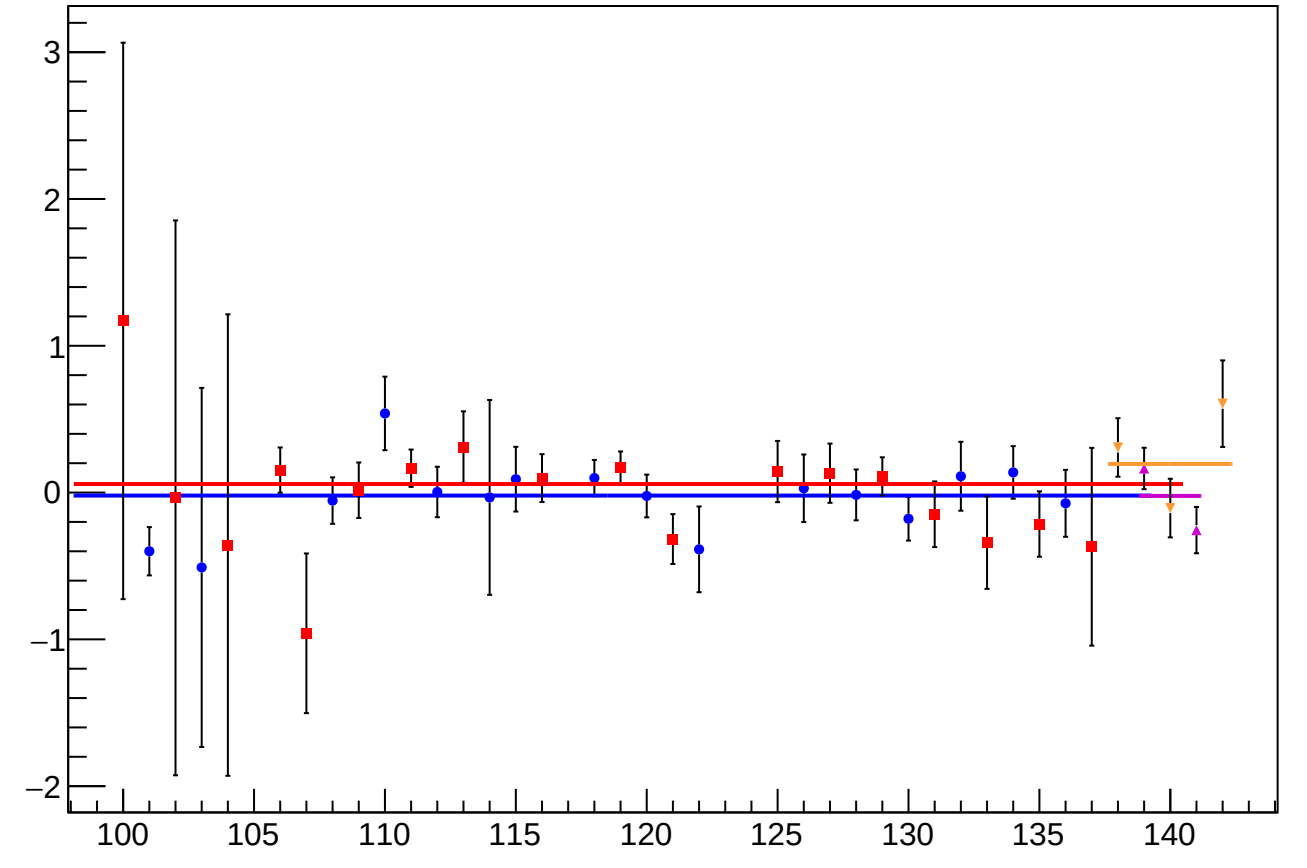
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 131.713+/-0.074 χ^2/NDF:21011.0/1

+ sign 119.138+/-0.032 χ^2/NDF: 2276508.3/18

All: 112.980+/-0.022 χ^2/NDF: 5324637.9/38

- sign 107.402+/-0.030 χ^2/NDF: 2975485.9/19



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.195+/-0.127 χ^2/NDF:4.5/2

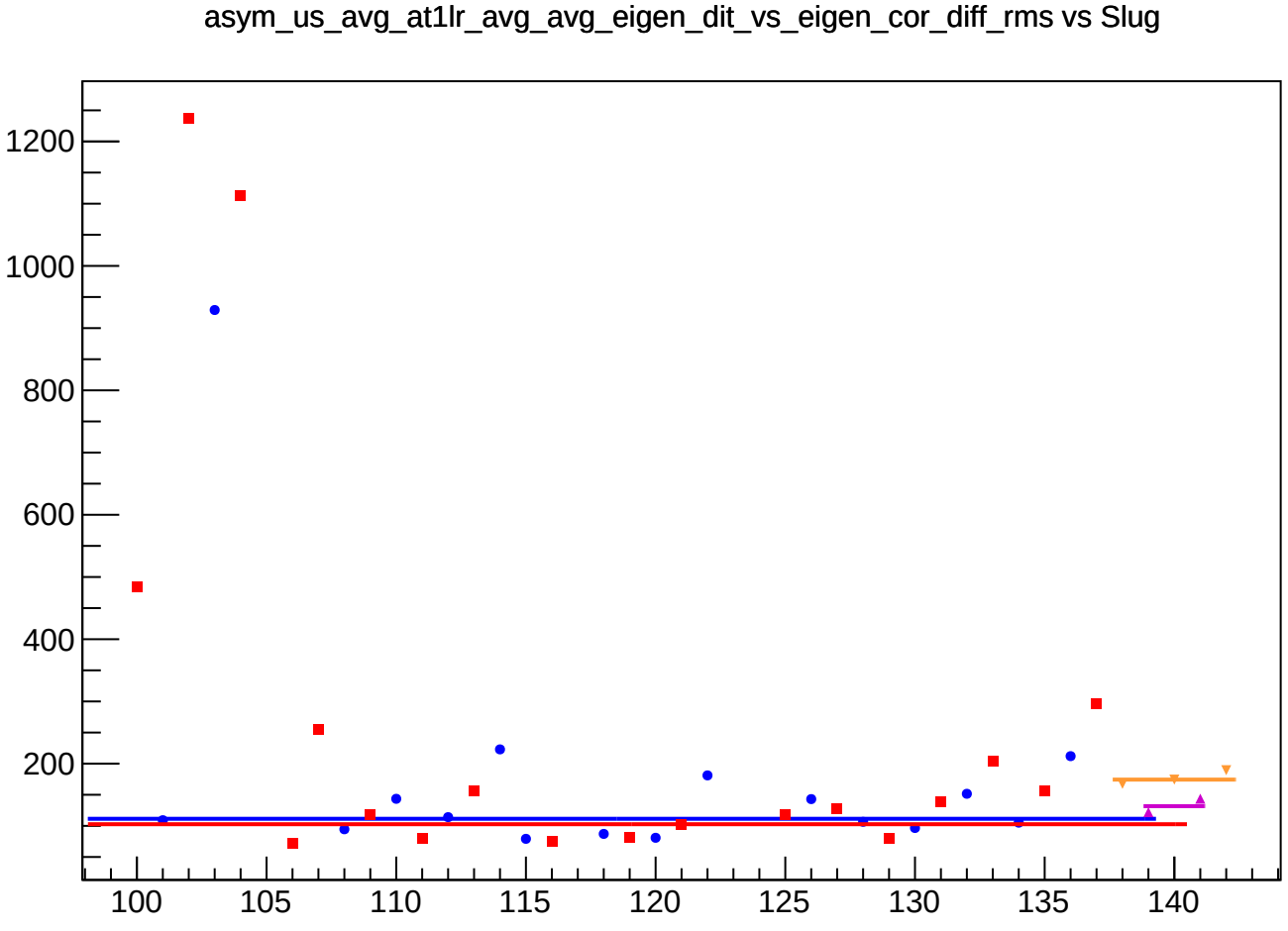
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.023+/-0.105 χ^2/NDF:3.9/1

\+ sign 0.006+/-0.045 χ^2/NDF: 22.7/18

All: 0.026+/-0.031 χ^2/NDF: 44.3/38

\- sign 0.045+/-0.042 χ^2/NDF: 21.3/19



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 174.378+/-0.090 χ^2/NDF:7643.9/2

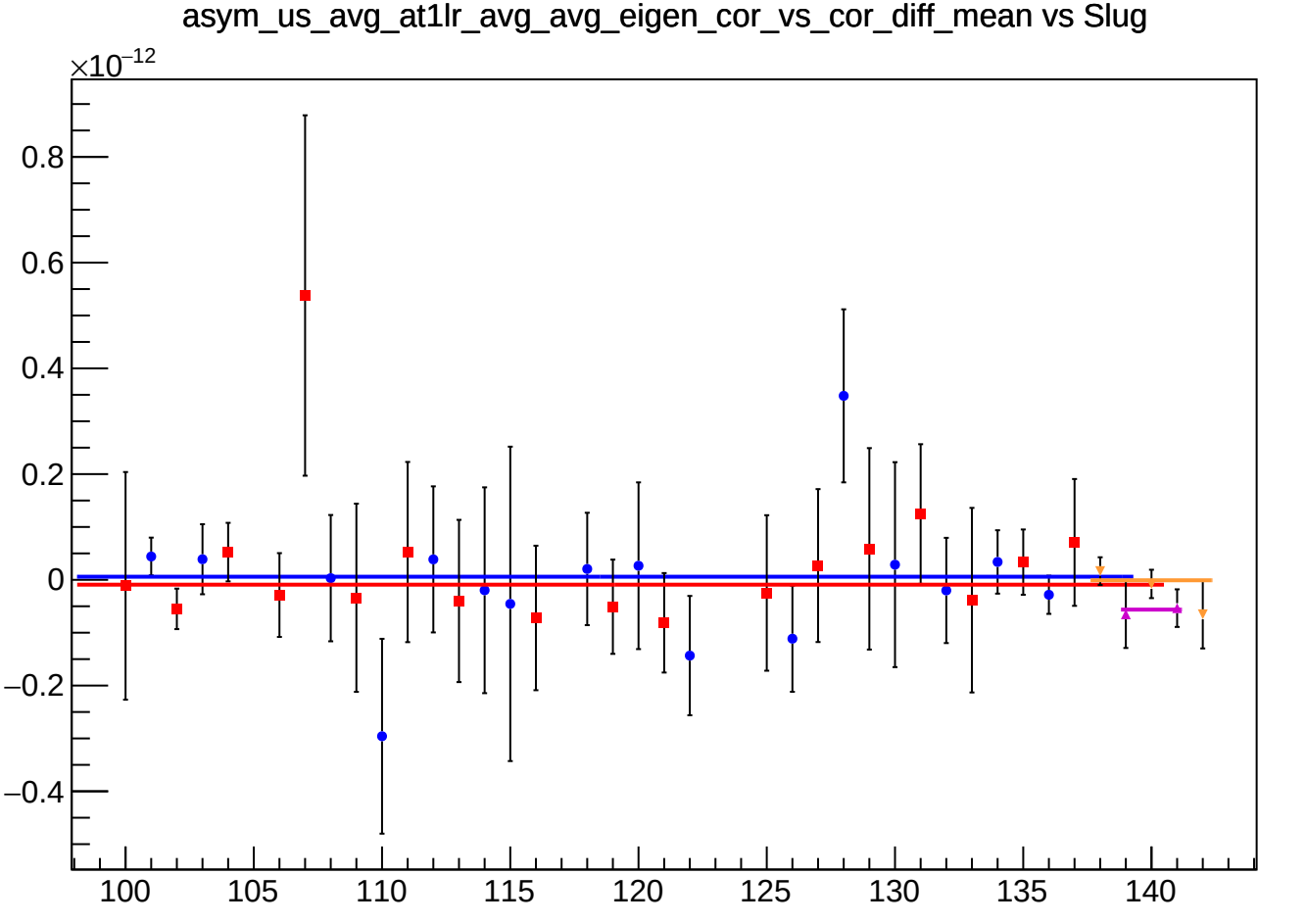
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 131.713+/-0.074 χ^2/NDF:21011.0/1

+ sign 119.138+/-0.032 χ^2/NDF: 2276508.3/18

All: 112.980+/-0.022 χ^2/NDF: 5324637.9/38

- sign 107.402+/-0.030 χ^2/NDF: 2975485.9/19



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/2

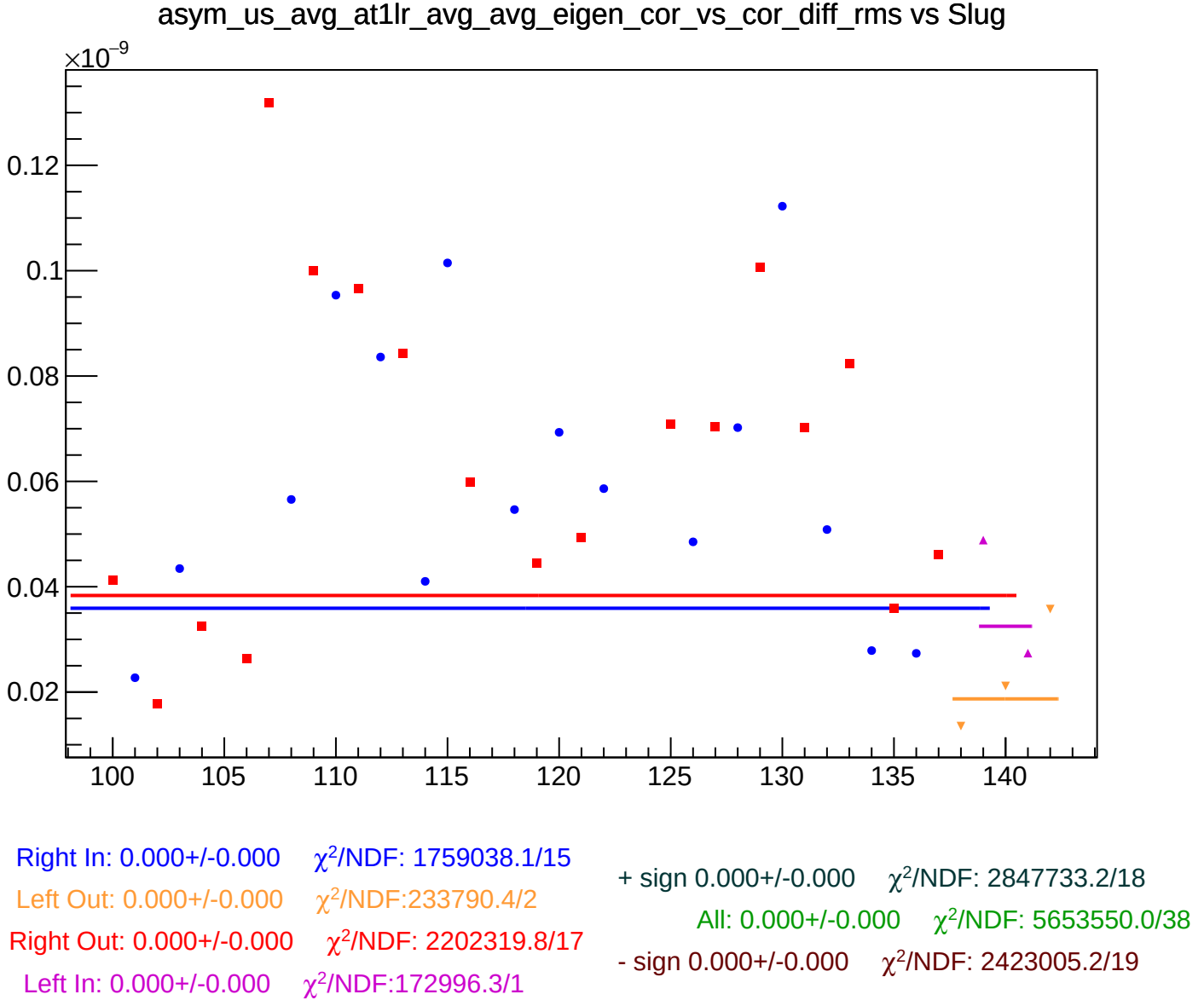
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

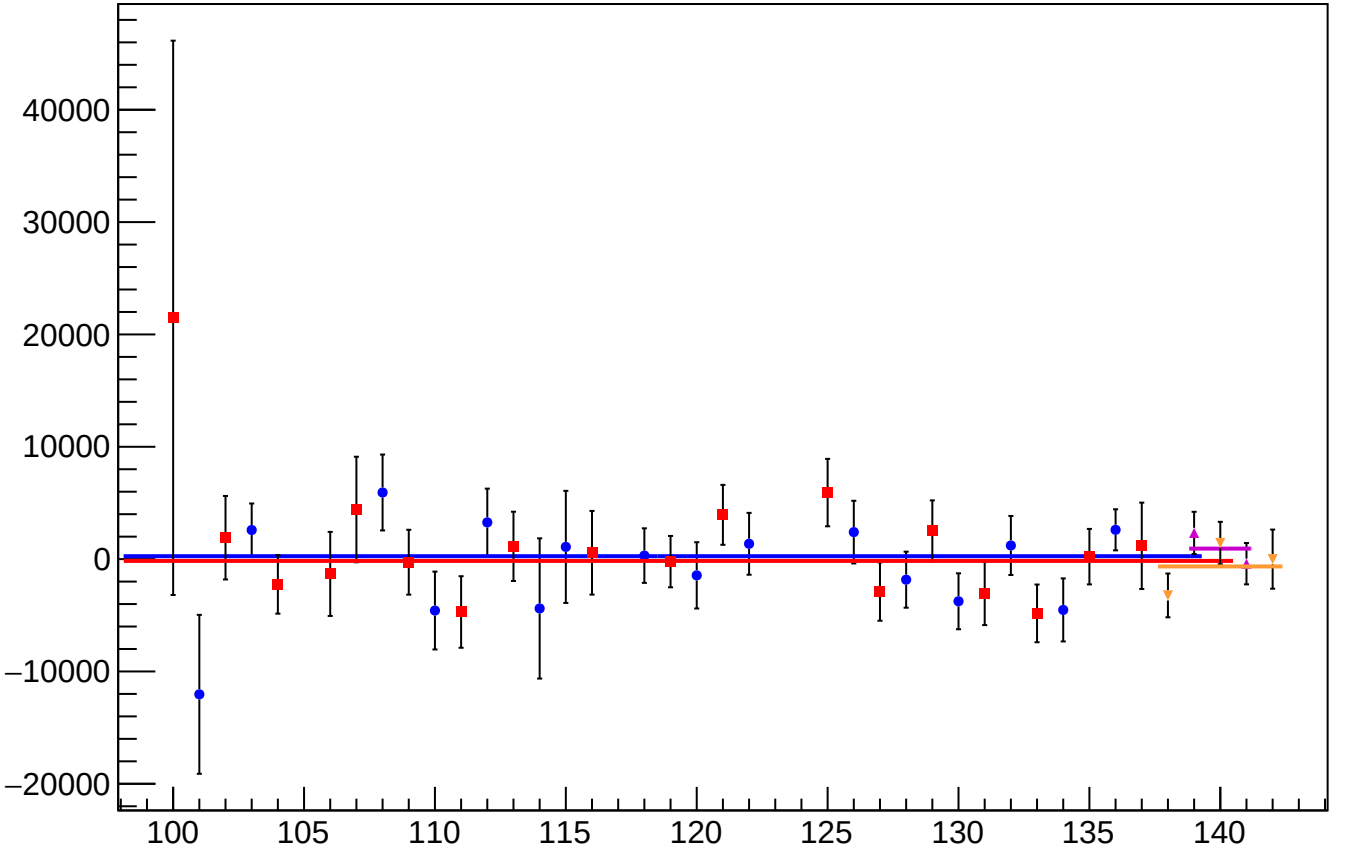
+ sign 0.000+/-0.000 χ^2/NDF: 14.5/18

All: -0.000+/-0.000 χ^2/NDF: 26.2/38

- sign -0.000+/-0.000 χ^2/NDF: 10.3/19


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
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:233790.4/2
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:172996.3/1
+ sign 0.000+/-0.000 χ²/NDF: 2847733.2/18
All: 0.000+/-0.000 χ²/NDF: 5653550.0/38
- sign 0.000+/-0.000 χ²/NDF: 2423005.2/19

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -651.063+/-1205.093 χ^2/NDF:3.0/2

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

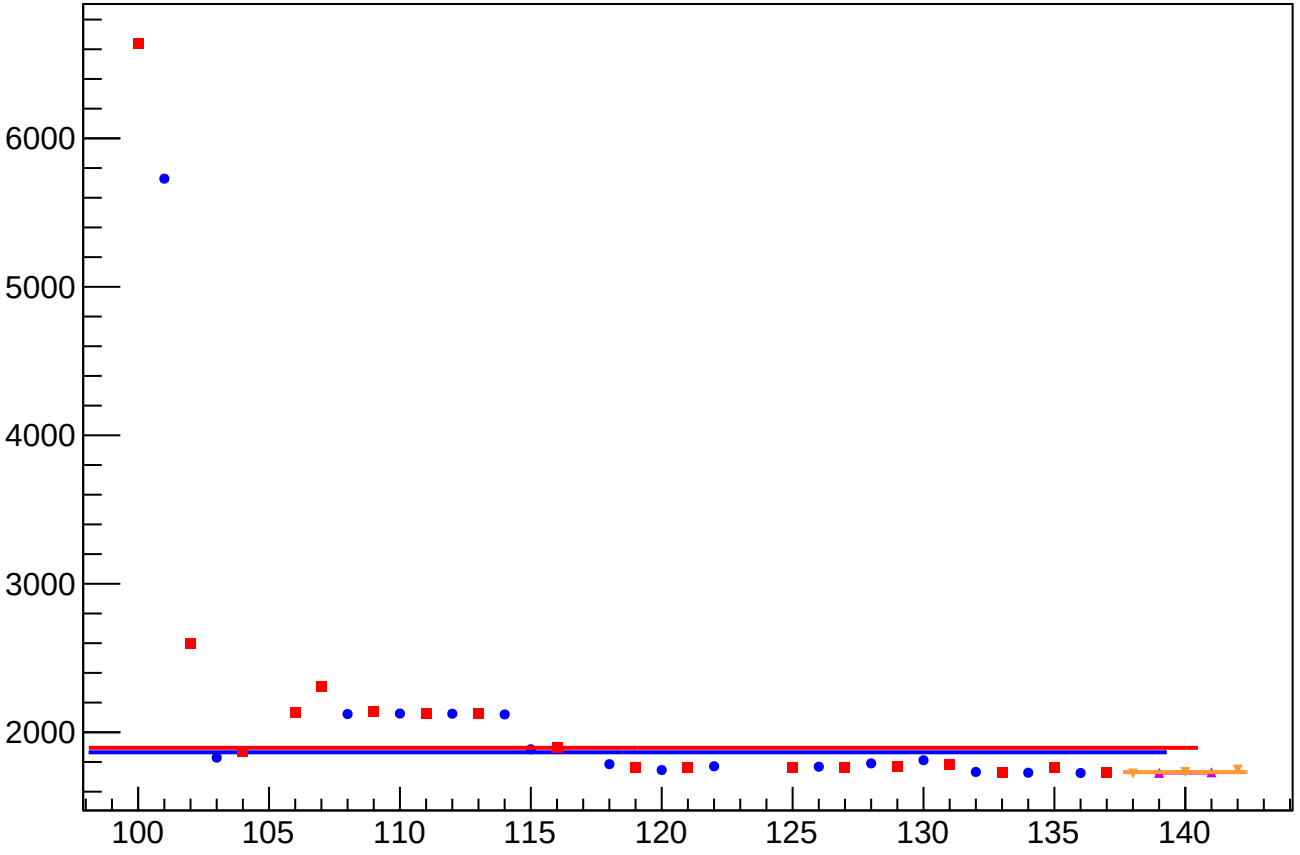
Left In: 935.193+/-1313.674 χ^2/NDF:1.1/1

\+ sign 25.021+/-611.532 χ^2/NDF: 22.9/18

All: 56.428+/-437.507 χ^2/NDF: 42.6/38

\- sign 89.358+/-626.184 χ^2/NDF: 19.7/19

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

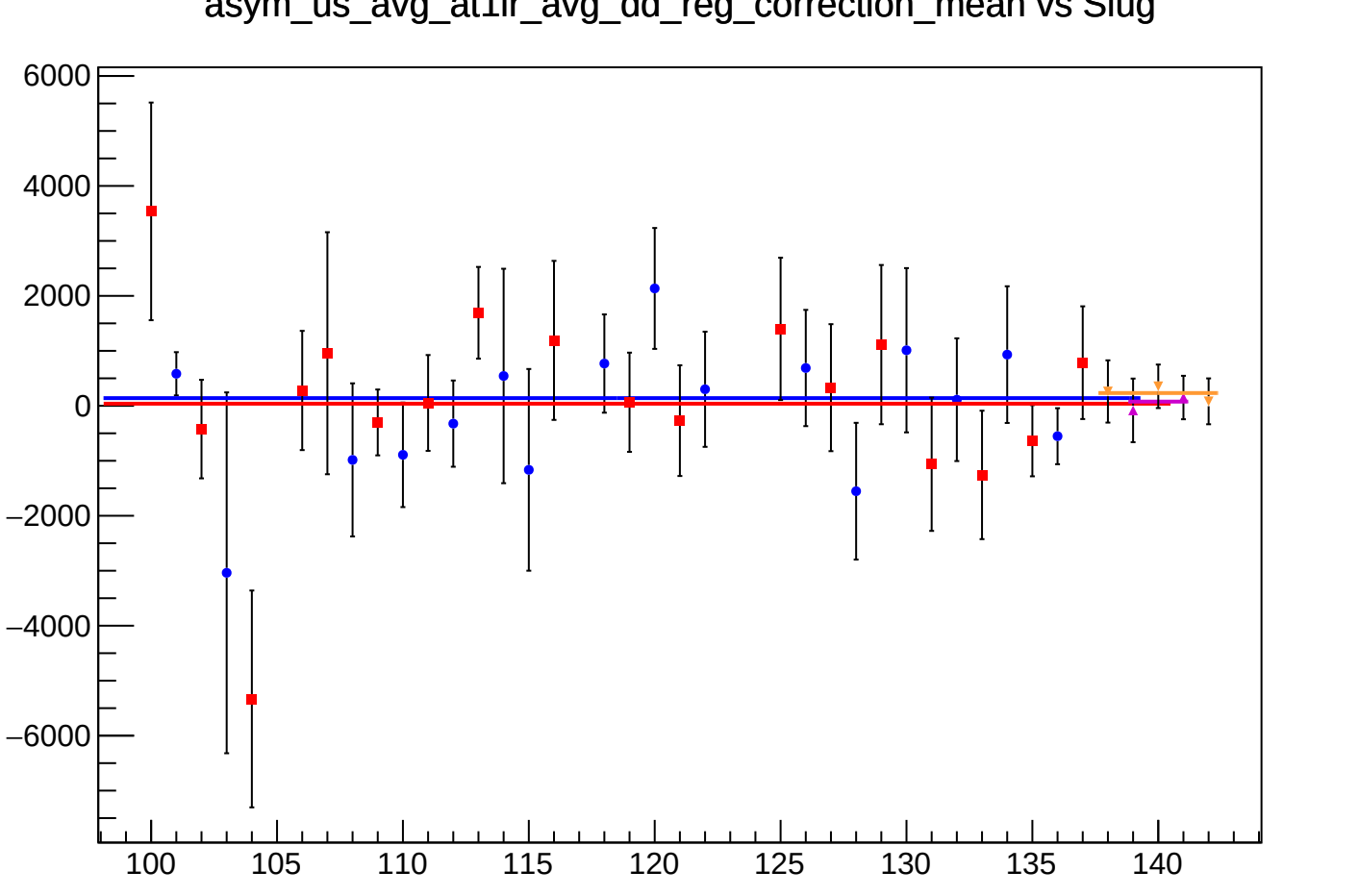
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

+ sign 1830.797+/-0.432 χ^2/NDF: 691078.7/18

All: 1843.792+/-0.309 χ^2/NDF: 968570.1/38

- sign 1857.417+/-0.443 χ^2/NDF: 275641.3/19



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 232.688+/-256.090 χ^2/NDF:0.2/2

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

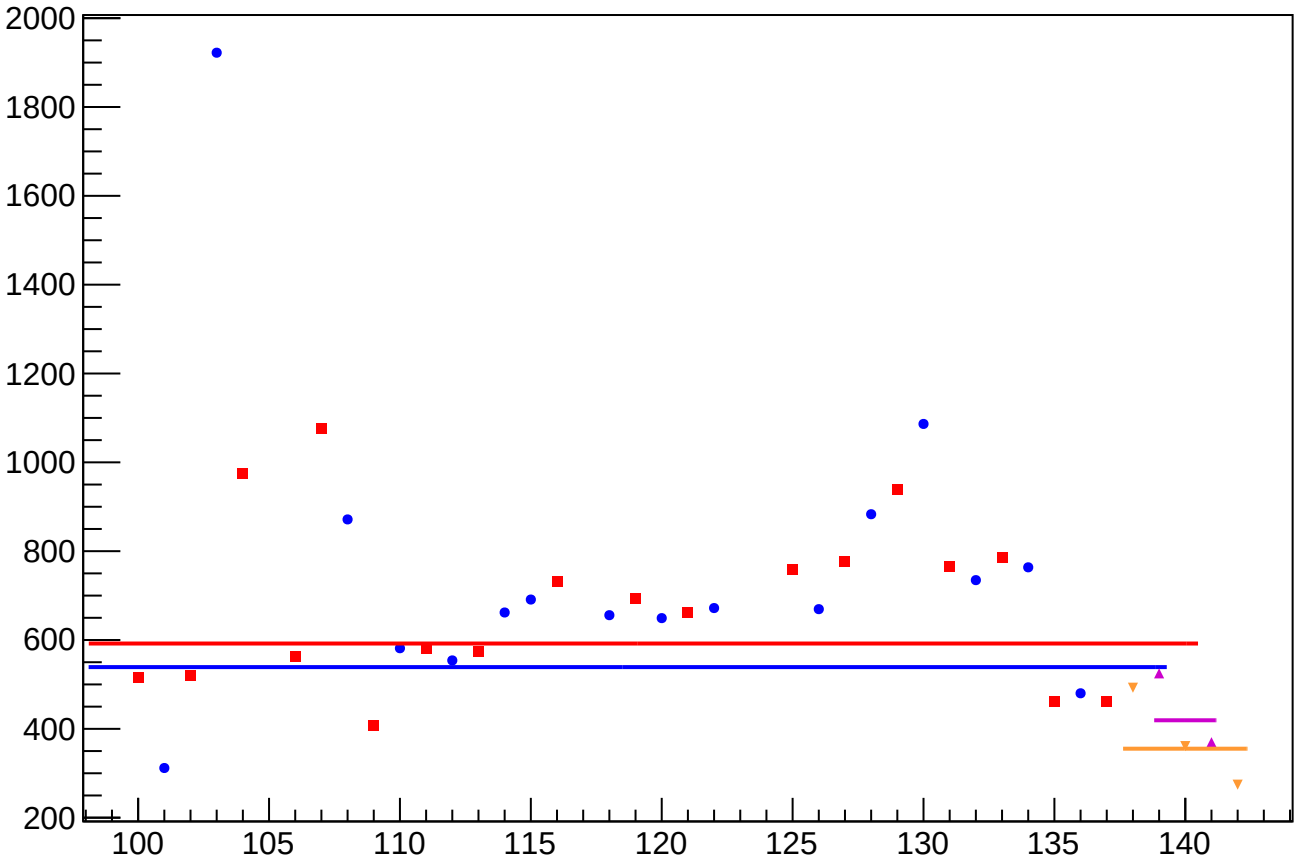
Left In: 76.263+/-326.421 χ^2/NDF:0.1/1

\+ sign 179.263+/-166.921 χ^2/NDF: 13.8/18

All: 124.500+/-126.096 χ^2/NDF: 35.5/38

\- sign 51.710+/-192.444 χ^2/NDF: 21.5/19

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 355.318+/-0.181 χ^2/NDF:193287.2/2

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

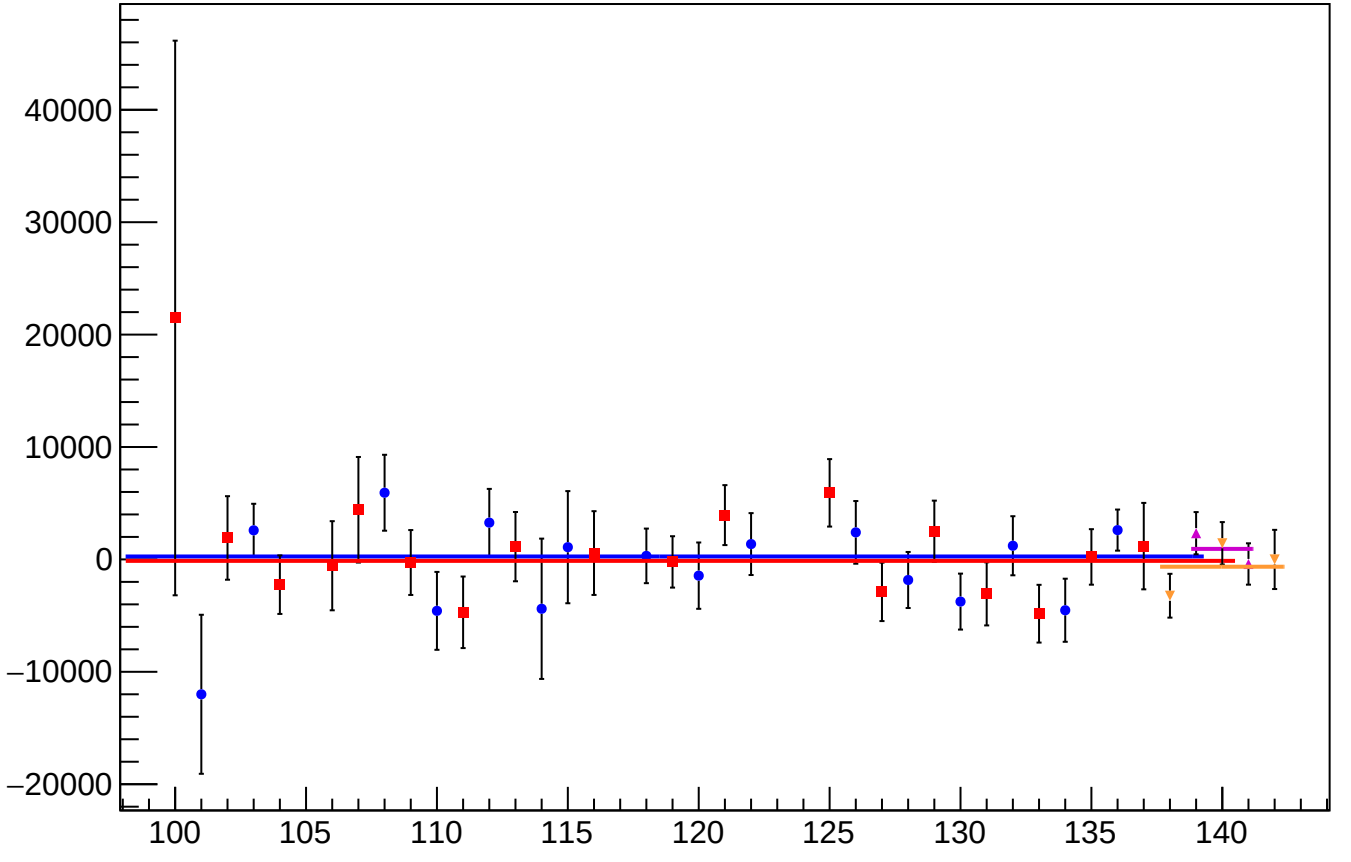
Left In: 419.292+/-0.231 χ^2/NDF:97824.0/1

+ sign 460.972+/-0.118 χ^2/NDF: 2639743.4/18

All: 491.483+/-0.089 χ^2/NDF: 4101978.0/38

- sign 532.037+/-0.136 χ^2/NDF: 1306597.0/19

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -651.124+/-1205.093 χ^2/NDF:3.0/2

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

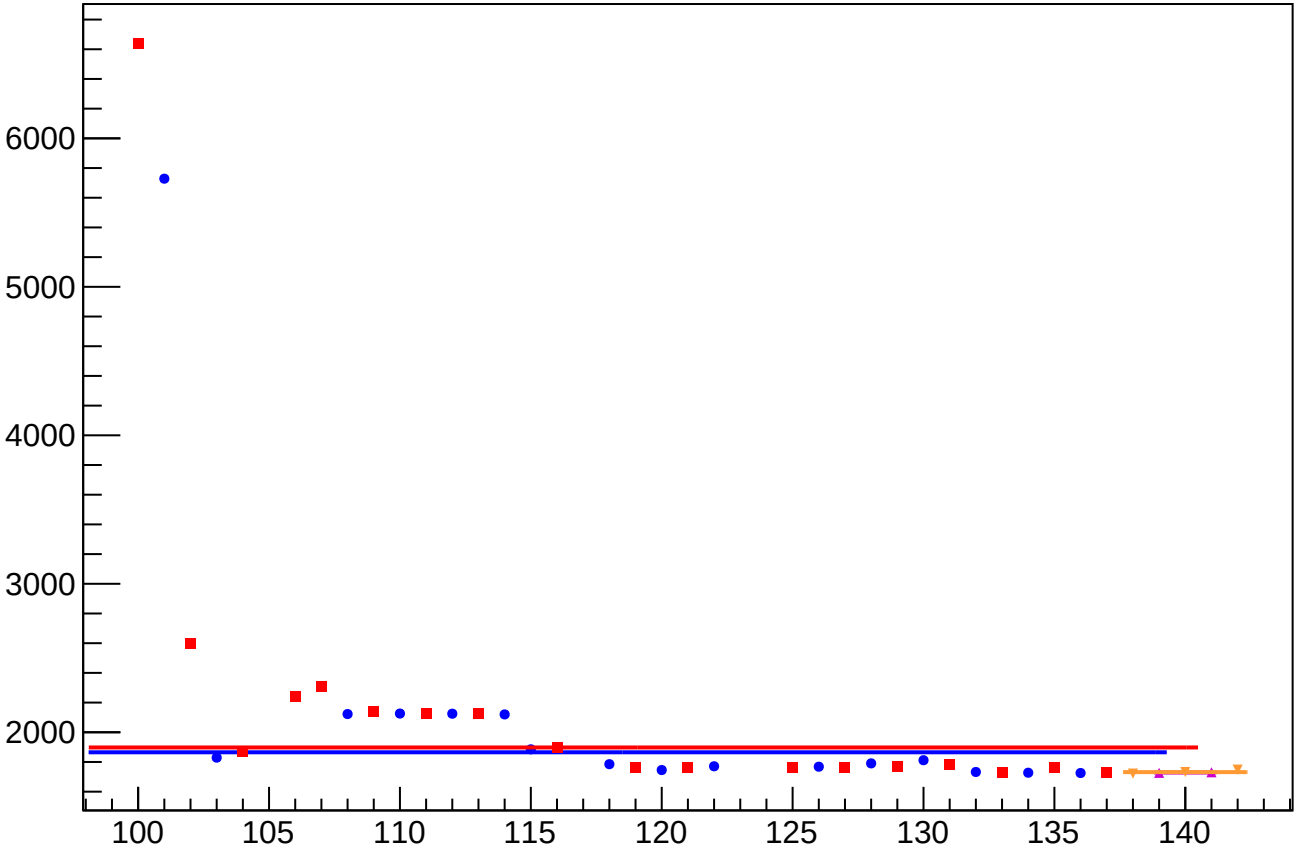
Left In: 935.609+/-1313.674 χ^2/NDF:1.1/1

+ sign 25.144+/-611.532 χ^2/NDF: 22.9/18

All: 67.878+/-437.833 χ^2/NDF: 42.5/38

- sign 112.821+/-627.141 χ^2/NDF: 19.6/19

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

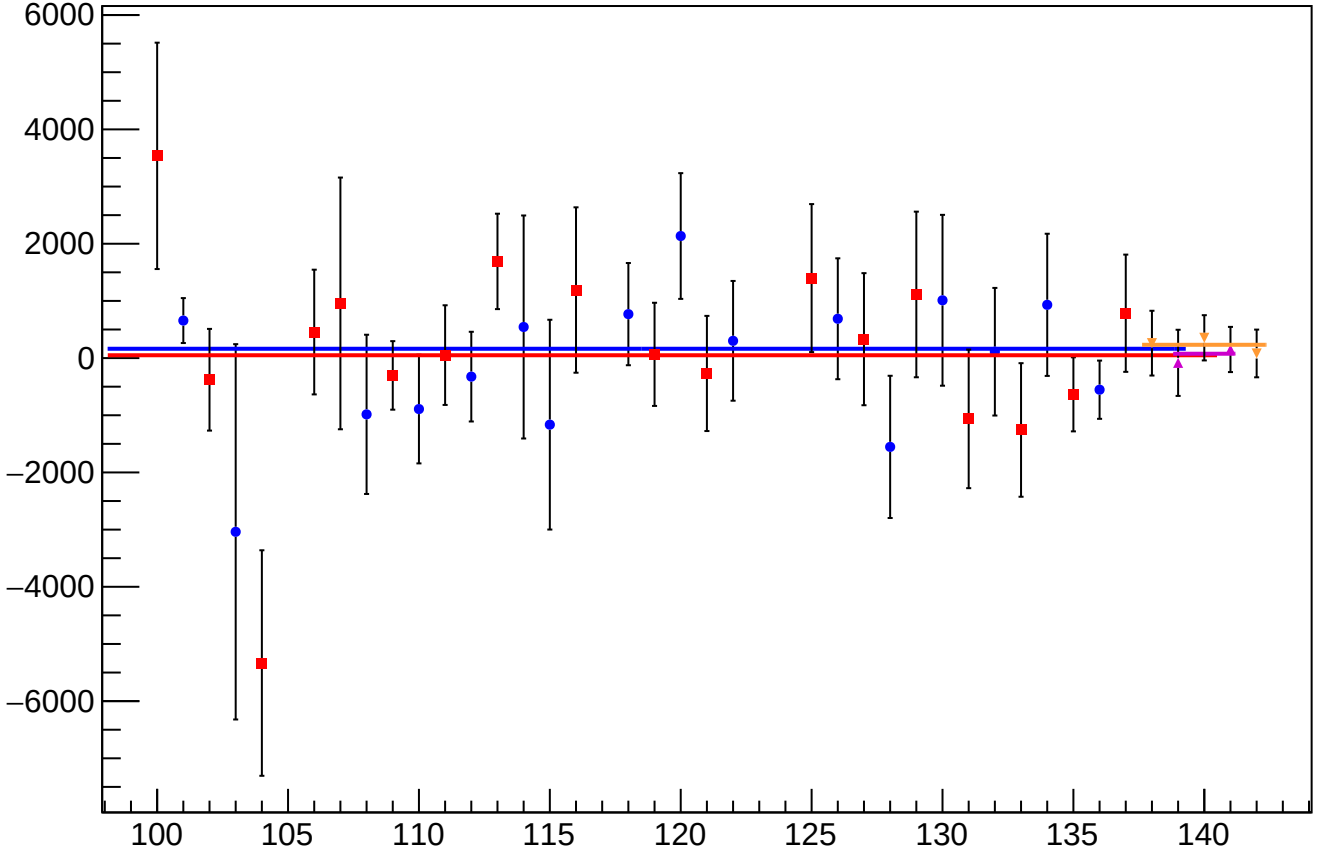
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

\+ sign 1830.796+/-0.432 χ^2/NDF: 691078.6/18

All: 1844.637+/-0.310 χ^2/NDF: 976463.6/38

\- sign 1859.194+/-0.443 χ^2/NDF: 283283.0/19



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 232.563+/-256.094 χ^2/NDF:0.2/2

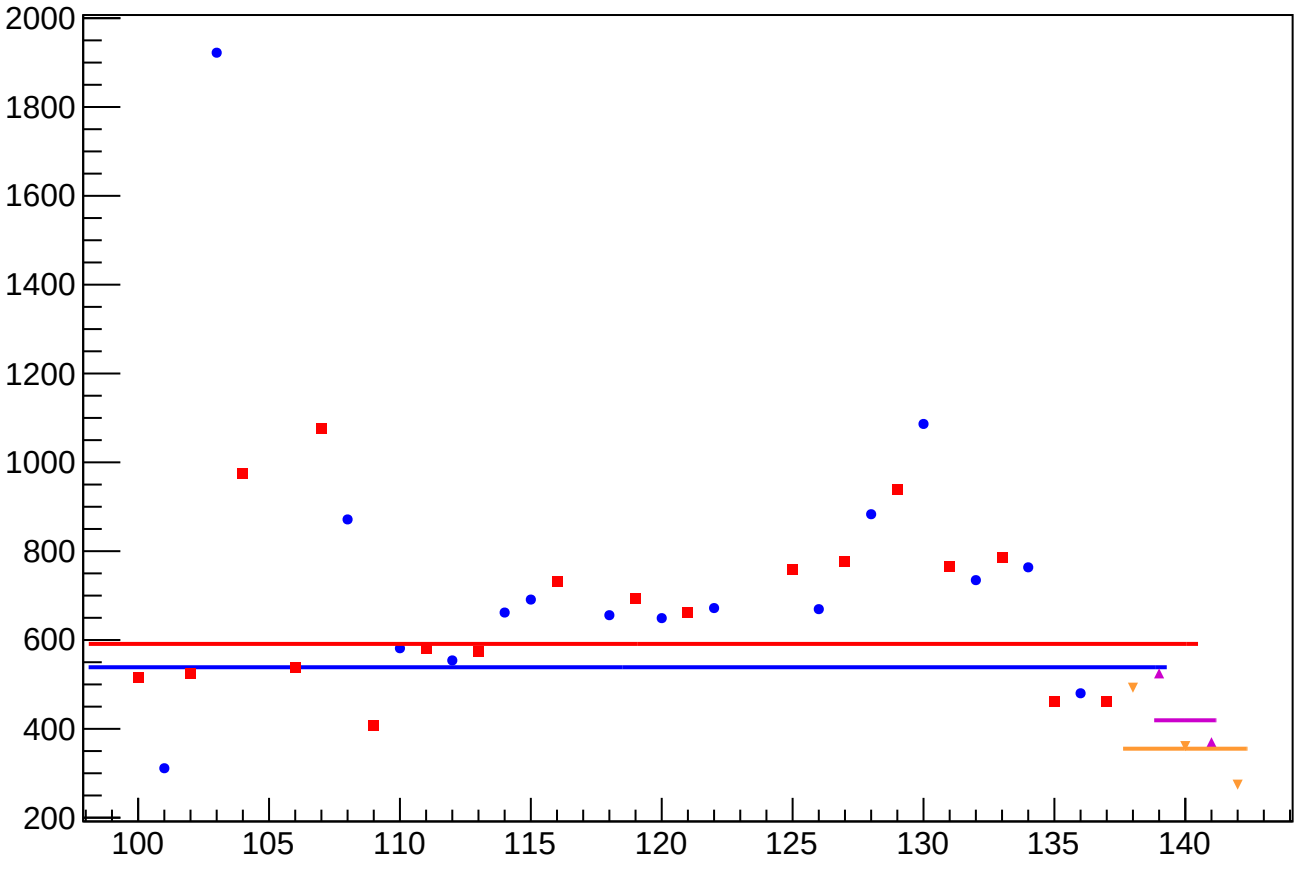
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 76.137+/-326.408 χ^2/NDF:0.1/1

+ sign 192.627+/-166.889 χ^2/NDF: 14.2/18

All: 135.186+/-126.073 χ^2/NDF: 36.0/38

- sign 58.833+/-192.412 χ^2/NDF: 21.6/19



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 355.327+/-0.181 χ^2/NDF:193285.2/2

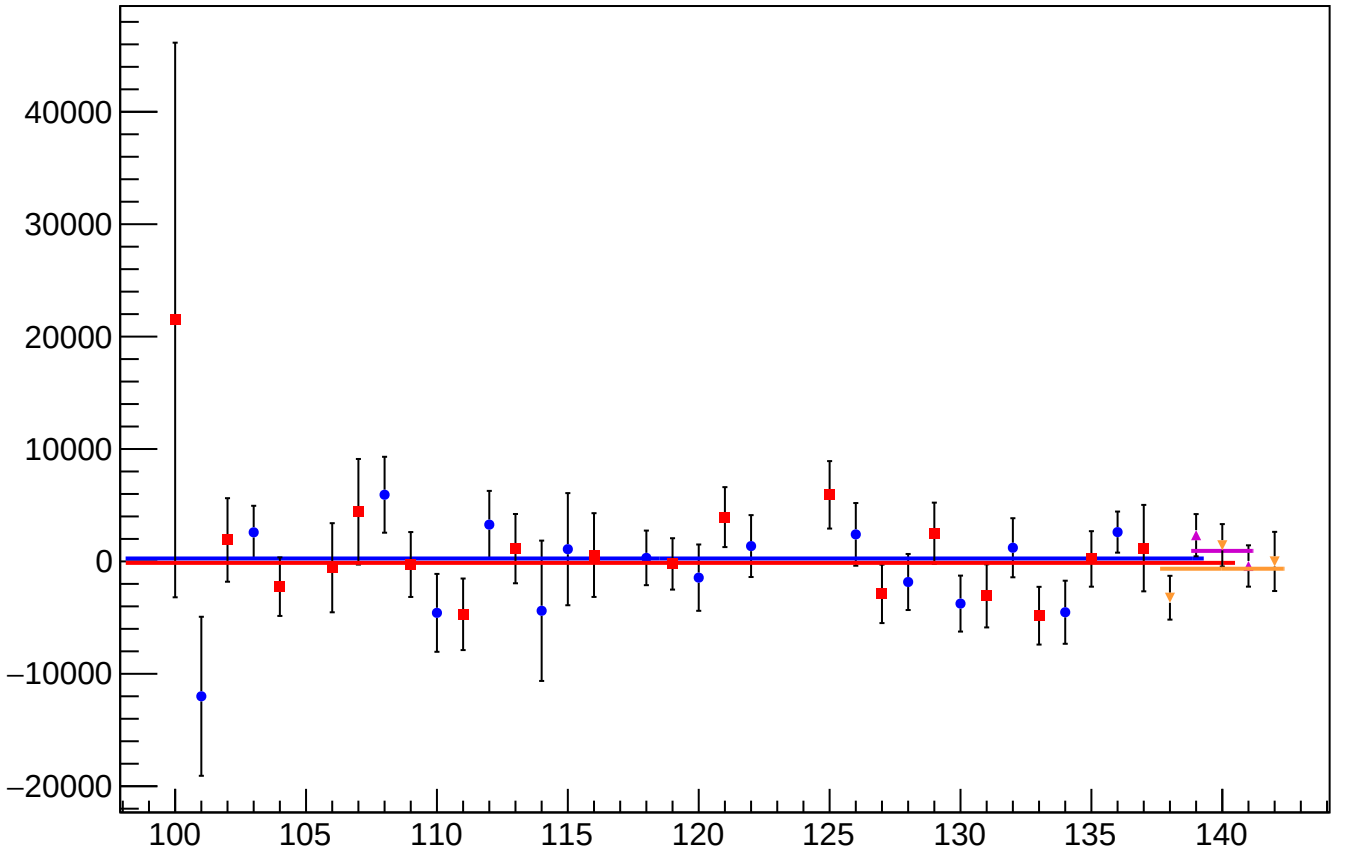
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 419.276+/-0.231 χ^2/NDF:97821.2/1

+ sign 460.828+/-0.118 χ^2/NDF: 2642153.4/18

All: 491.163+/-0.089 χ^2/NDF: 4100649.9/38

- sign 531.485+/-0.136 χ^2/NDF: 1304584.8/19



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -651.124+/-1205.093 χ^2/NDF:3.0/2

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

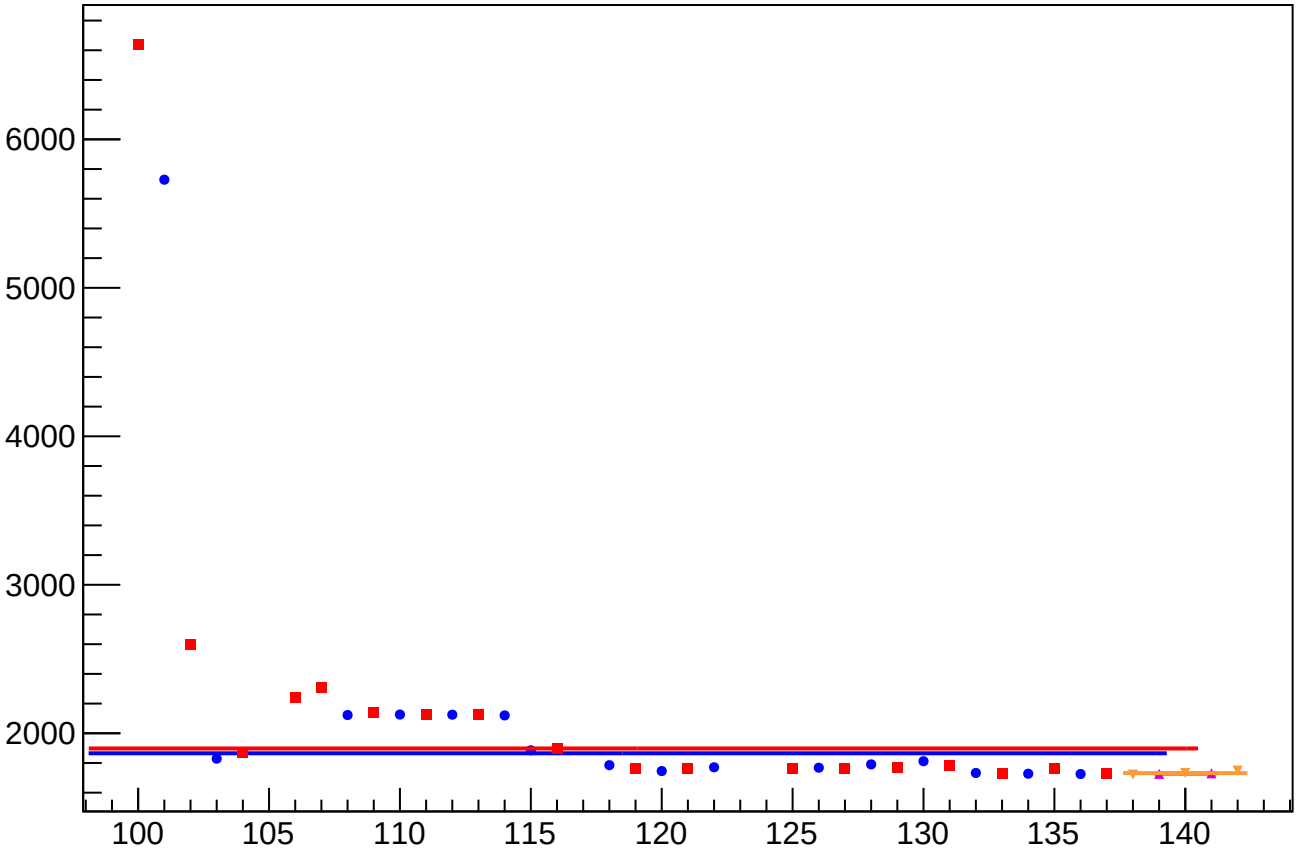
Left In: 935.609+/-1313.674 χ^2/NDF:1.1/1

+ sign 25.144+/-611.532 χ^2/NDF: 22.9/18

All: 67.878+/-437.833 χ^2/NDF: 42.5/38

- sign 112.821+/-627.141 χ^2/NDF: 19.6/19

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

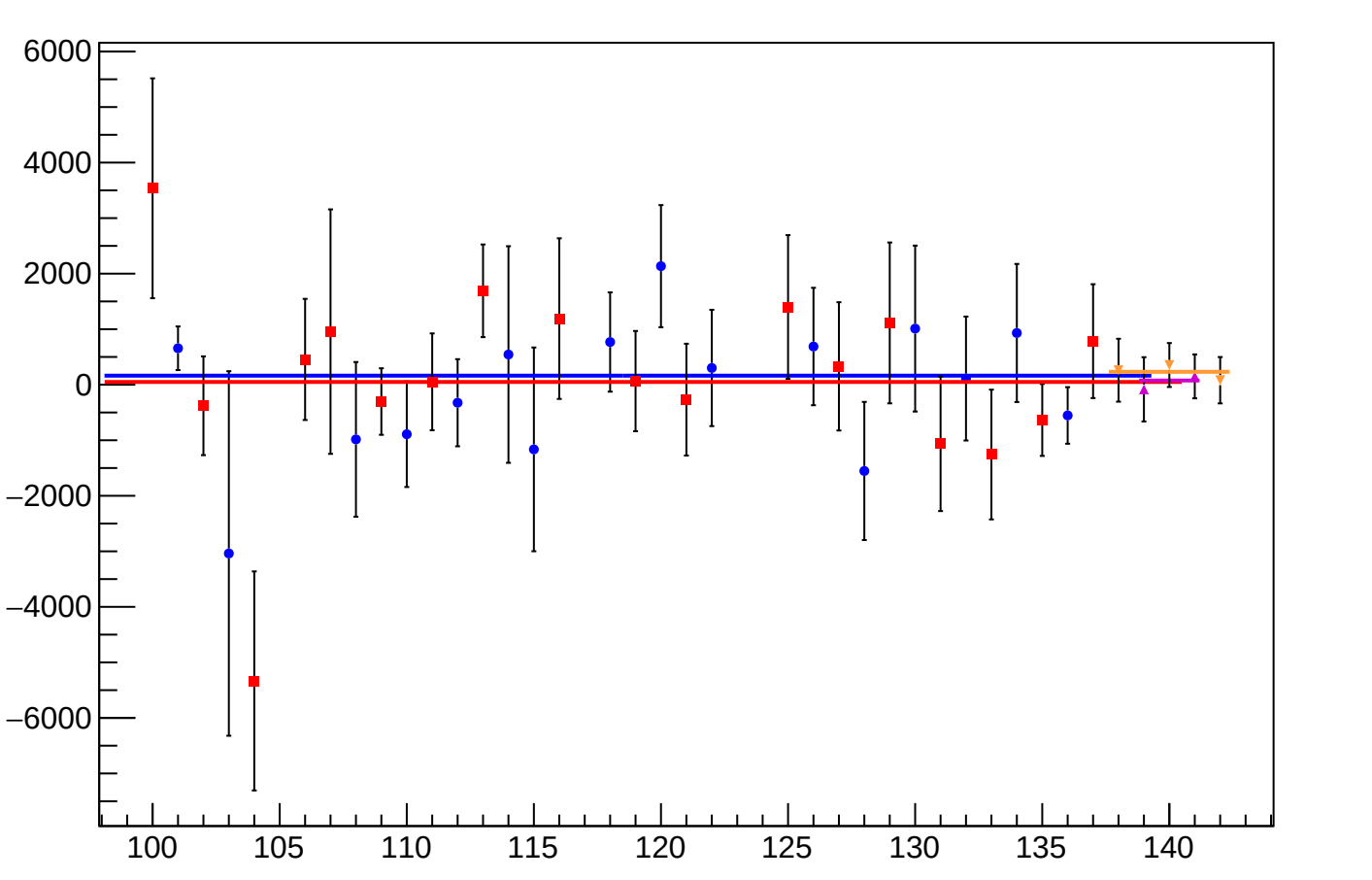
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

+ sign 1830.796+/-0.432 χ^2/NDF: 691078.6/18

All: 1844.637+/-0.310 χ^2/NDF: 976463.6/38

- sign 1859.194+/-0.443 χ^2/NDF: 283283.0/19



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 232.563+/-256.094 χ^2/NDF:0.2/2

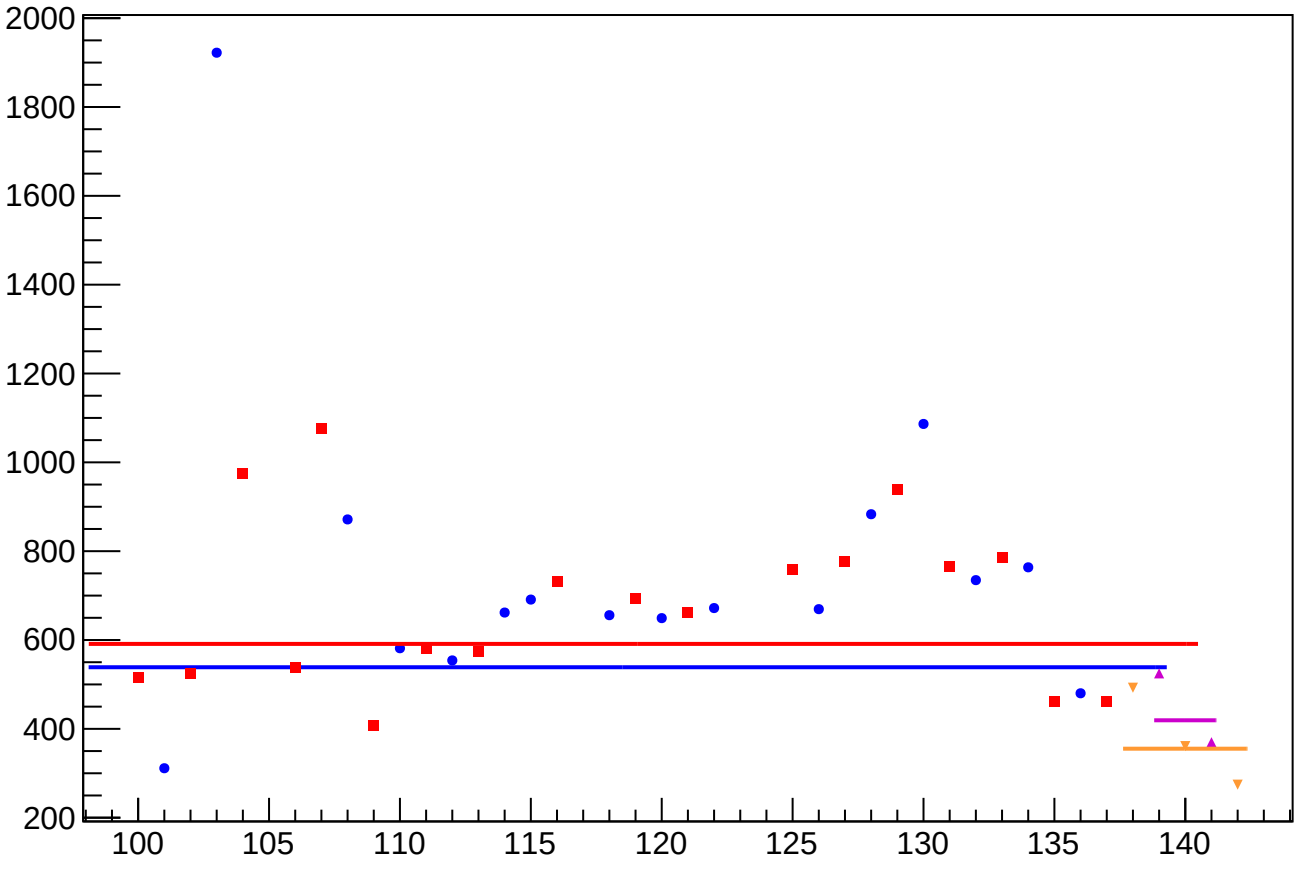
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 76.137+/-326.408 χ^2/NDF:0.1/1

+ sign 192.627+/-166.889 χ^2/NDF: 14.2/18

All: 135.186+/-126.073 χ^2/NDF: 36.0/38

- sign 58.833+/-192.412 χ^2/NDF: 21.6/19



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 355.327+/-0.181 χ^2/NDF:193285.2/2

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

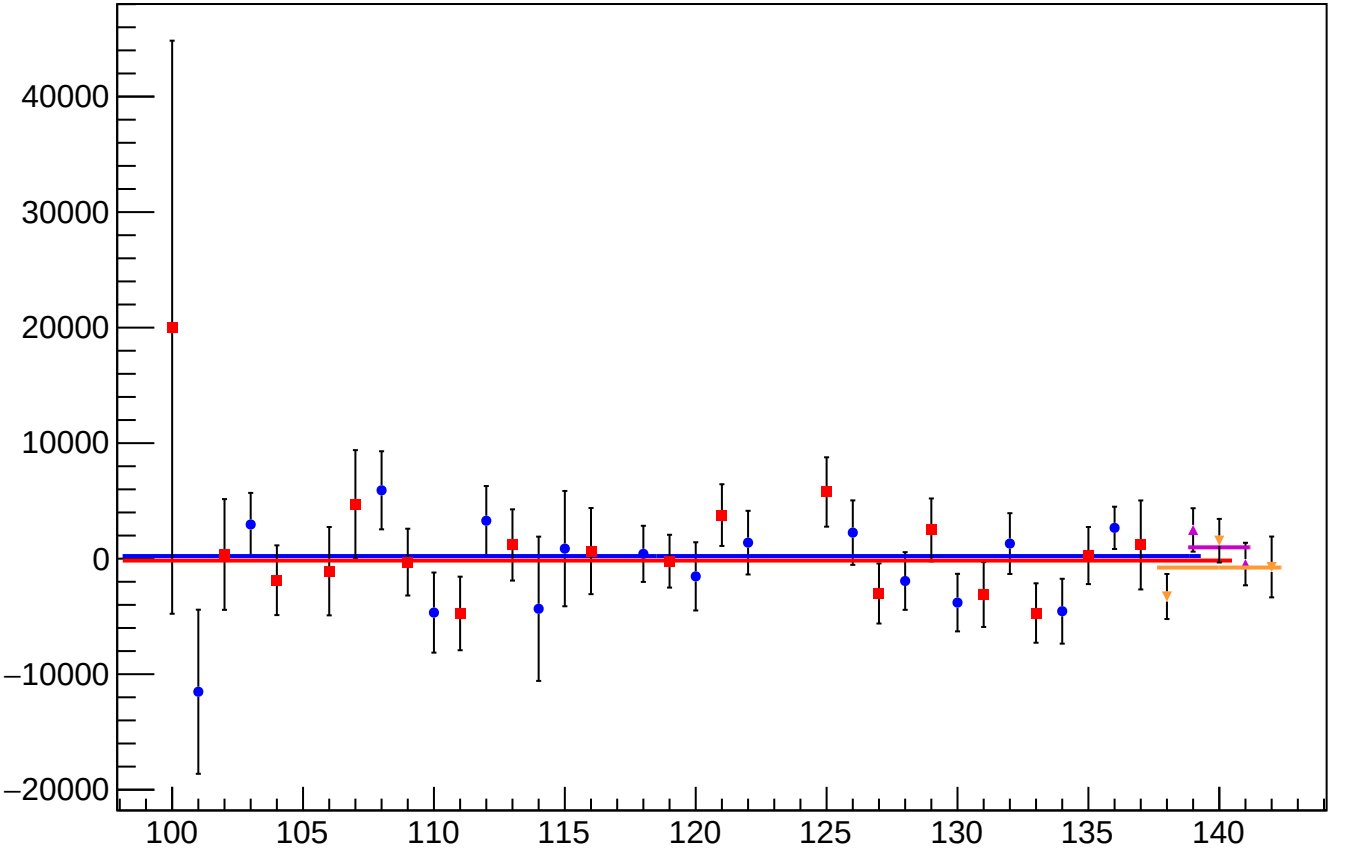
Left In: 419.276+/-0.231 χ^2/NDF:97821.2/1

+ sign 460.828+/-0.118 χ^2/NDF: 2642153.4/18

All: 491.163+/-0.089 χ^2/NDF: 4100649.9/38

- sign 531.485+/-0.136 χ^2/NDF: 1304584.8/19

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -767.293+/-1205.650 χ^2/NDF:3.2/2

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

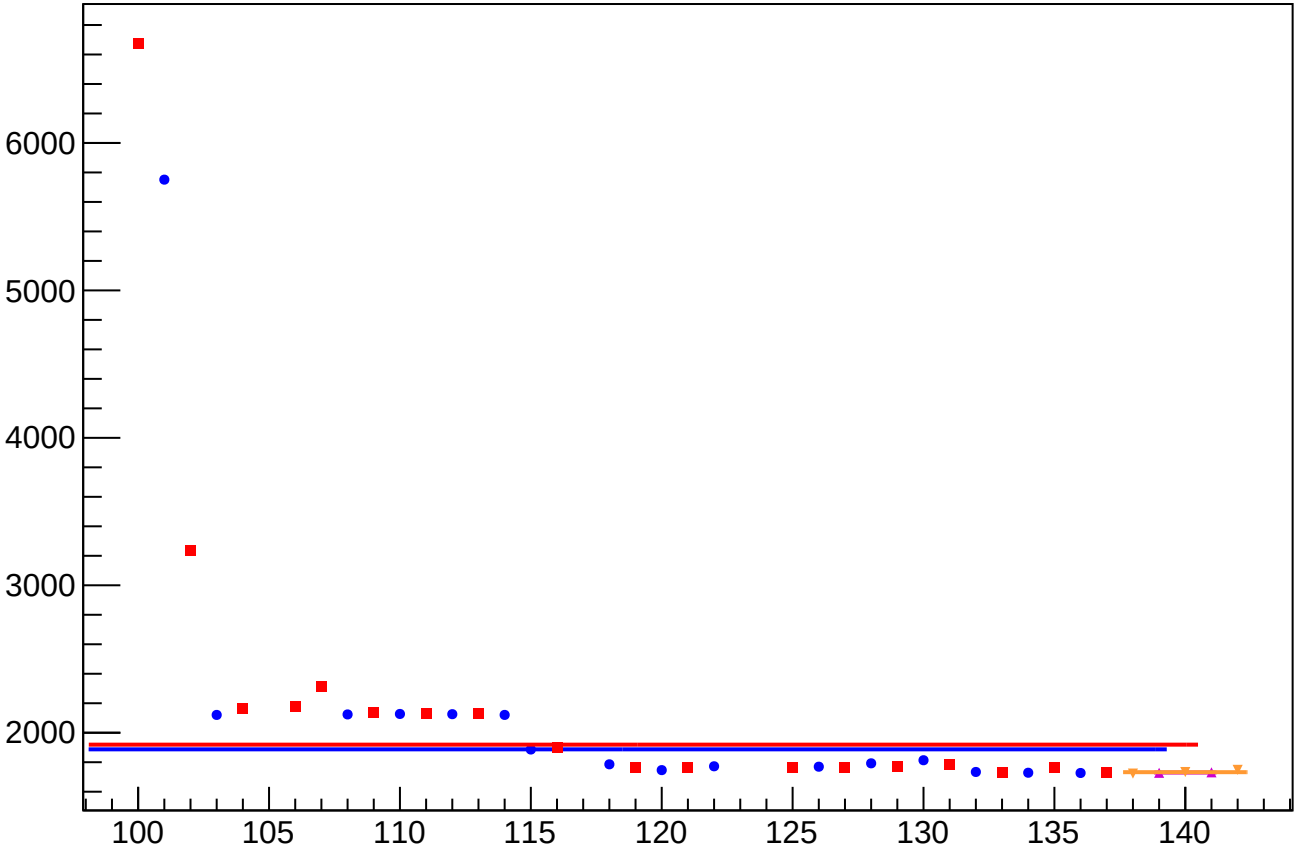
Left In: 980.938+/-1314.597 χ^2/NDF:1.3/1

+ sign -34.179+/-617.246 χ^2/NDF: 23.1/18

All: 32.761+/-442.734 χ^2/NDF: 42.0/38

- sign 103.693+/-635.390 χ^2/NDF: 18.9/19

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1732.479+/-0.853 χ^2/NDF:120.3/2

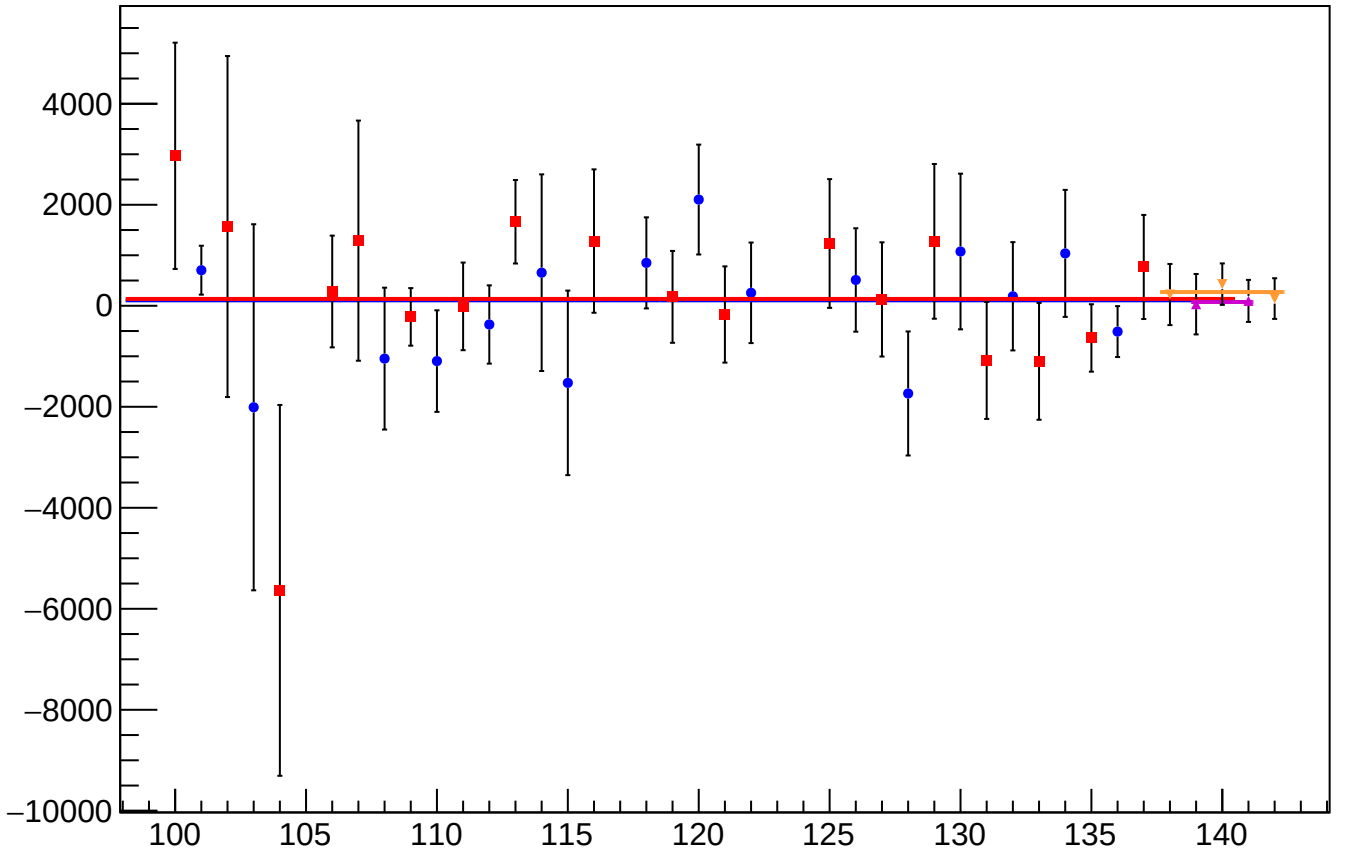
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1729.943+/-0.930 χ^2/NDF:3.0/1

+ sign 1846.728+/-0.436 χ^2/NDF: 713901.8/18

All: 1860.435+/-0.313 χ^2/NDF: 1100259.7/38

- sign 1874.960+/-0.449 χ^2/NDF: 384326.6/19



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 271.899+/-259.601 χ^2/NDF:0.3/2

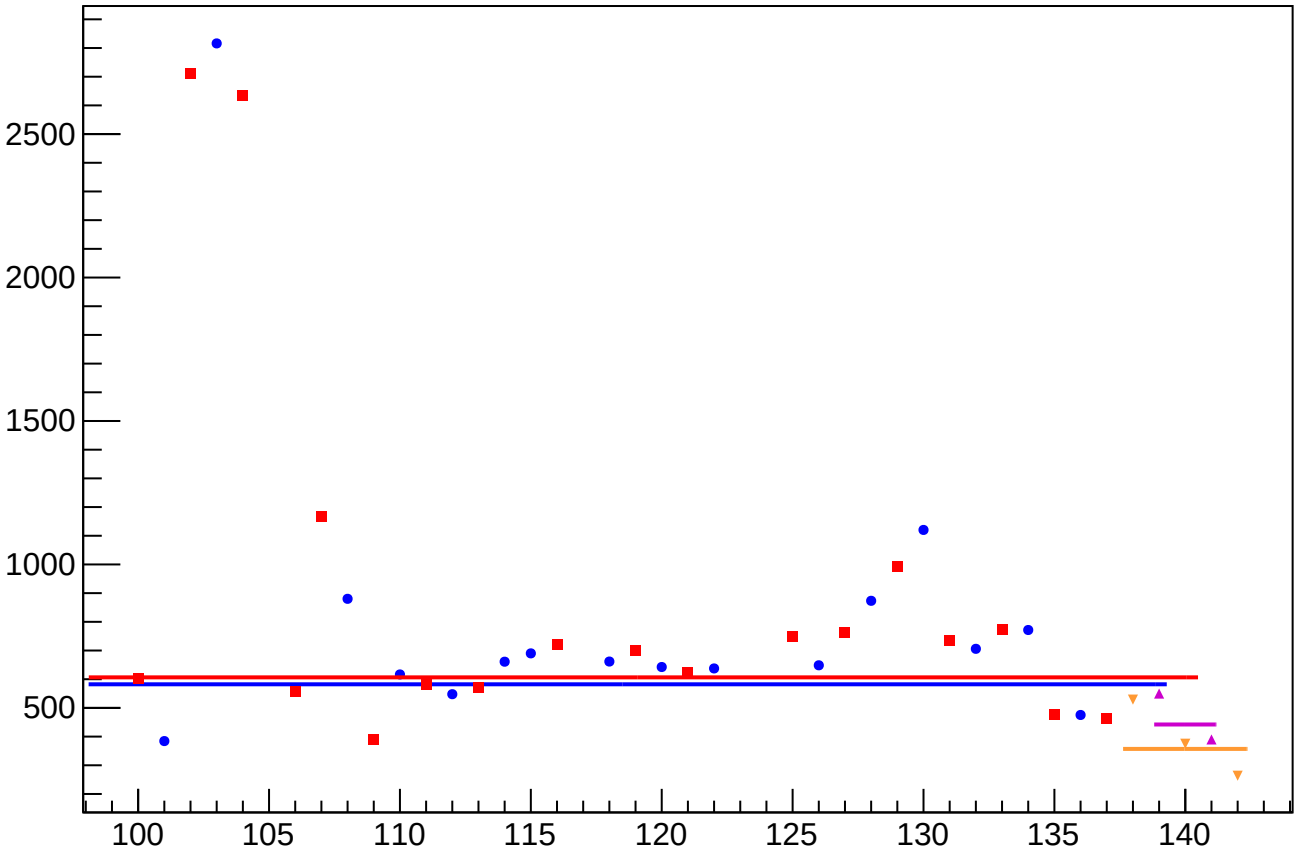
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 75.333+/-341.769 χ^2/NDF:0.0/1

+ sign 180.748+/-172.867 χ^2/NDF: 14.6/18

All: 152.521+/-130.679 χ^2/NDF: 29.1/38

- sign 114.880+/-199.622 χ^2/NDF: 14.4/19



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 357.070+/-0.184 χ^2/NDF:272724.1/2

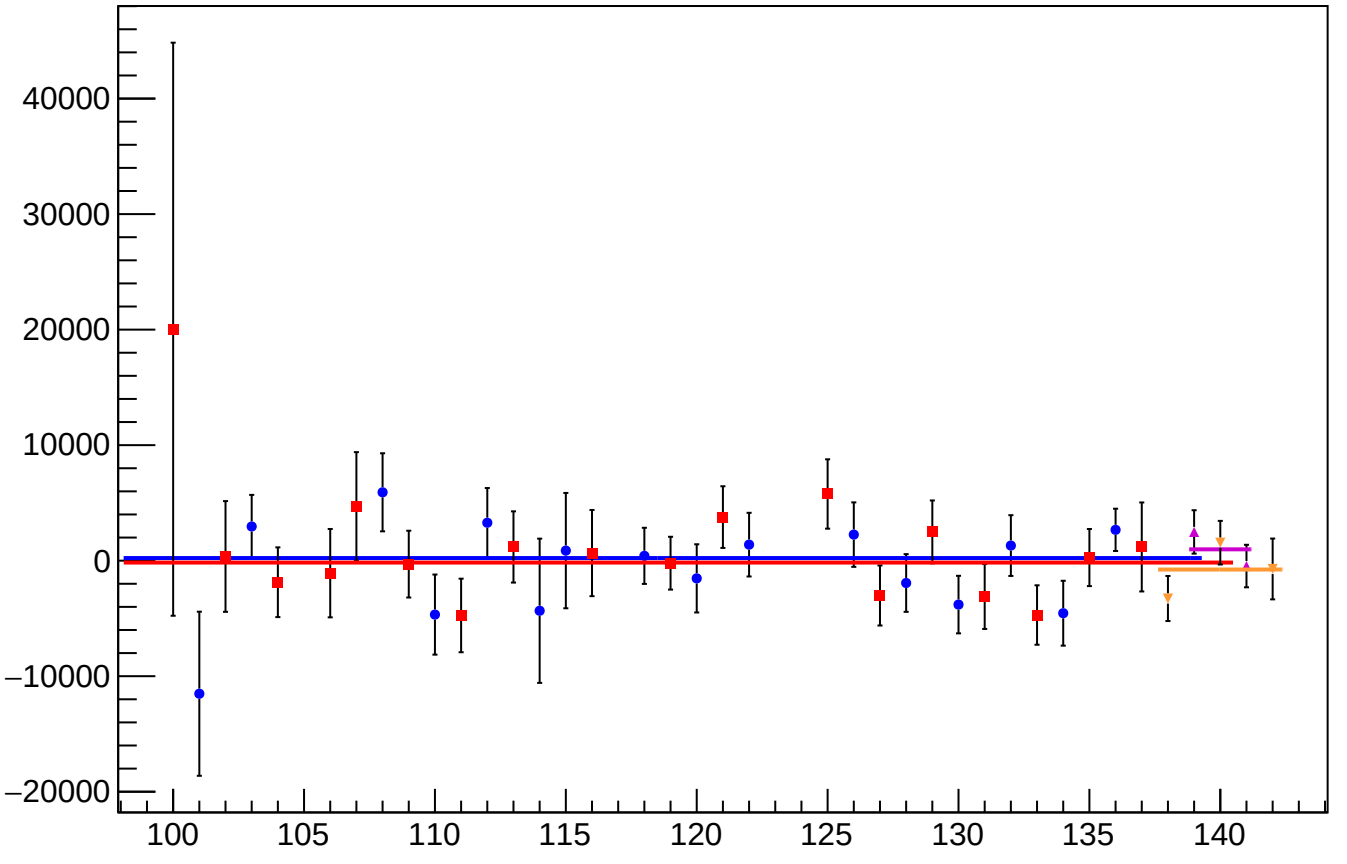
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 442.180+/-0.242 χ^2/NDF:96214.4/1

+ sign 482.413+/-0.122 χ^2/NDF: 2864715.2/18

All: 511.552+/-0.092 χ^2/NDF: 5596351.3/38

- sign 550.409+/-0.141 χ^2/NDF: 2599031.5/19



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -767.293+/-1205.650 χ^2/NDF:3.2/2

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

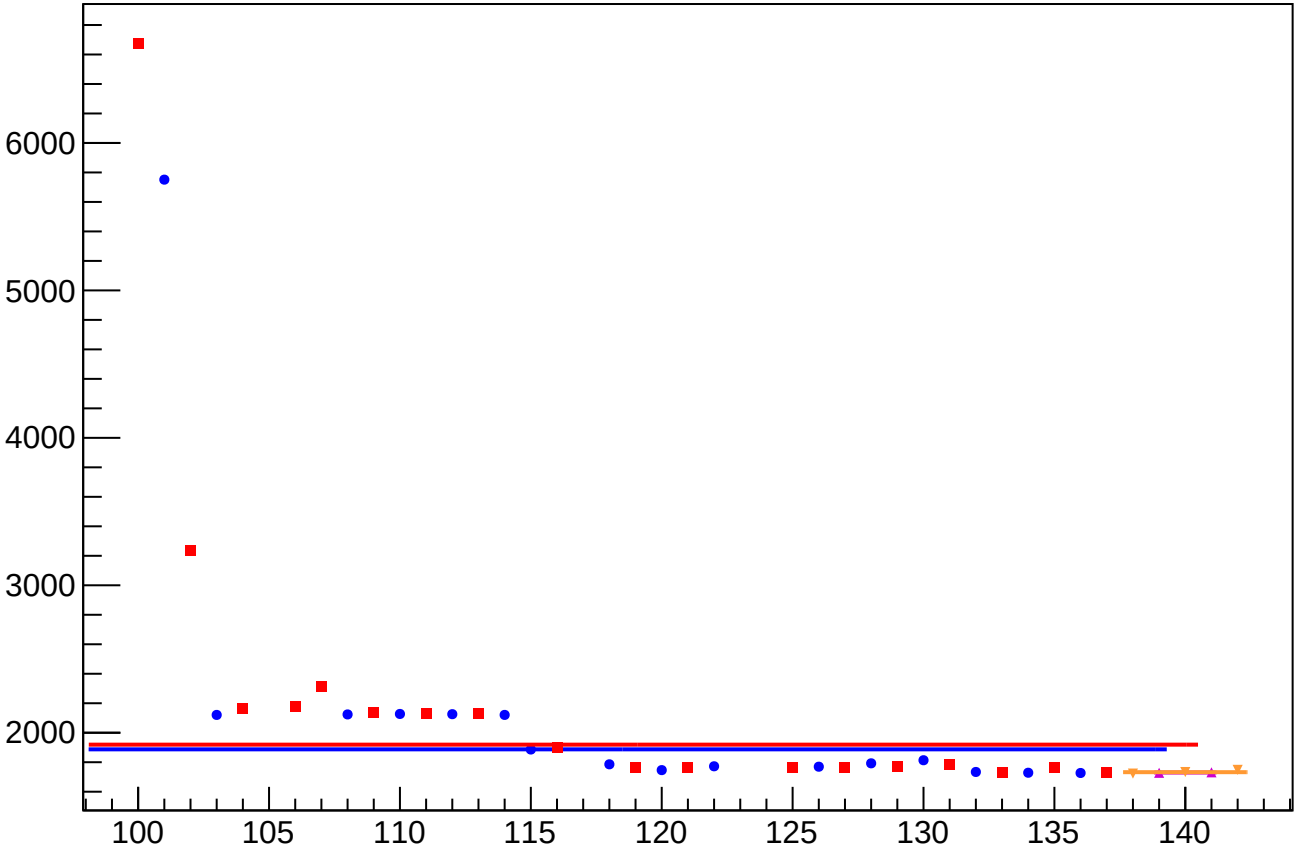
Left In: 980.938+/-1314.597 χ^2/NDF:1.3/1

\+ sign -34.178+/-617.246 χ^2/NDF: 23.1/18

All: 32.761+/-442.734 χ^2/NDF: 42.0/38

\- sign 103.693+/-635.390 χ^2/NDF: 18.9/19

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: 1732.479+/-0.853 χ^2/NDF:120.3/2

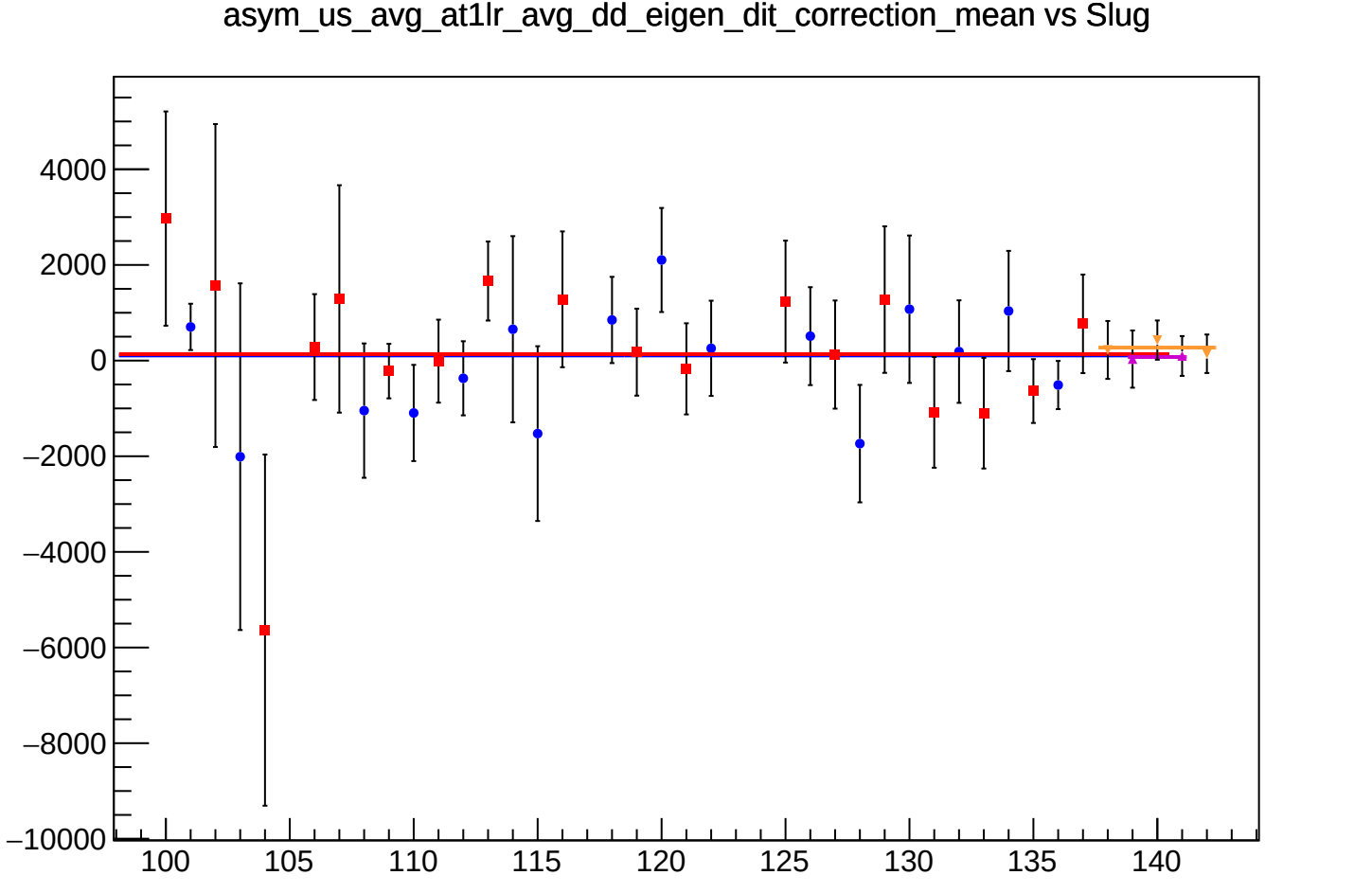
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1729.943+/-0.930 χ^2/NDF:3.0/1

+ sign 1846.728+/-0.436 χ^2/NDF: 713901.4/18

All: 1860.435+/-0.313 χ^2/NDF: 1100258.6/38

- sign 1874.960+/-0.449 χ^2/NDF: 384325.8/19



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 271.895+/-259.603 χ^2/NDF:0.3/2

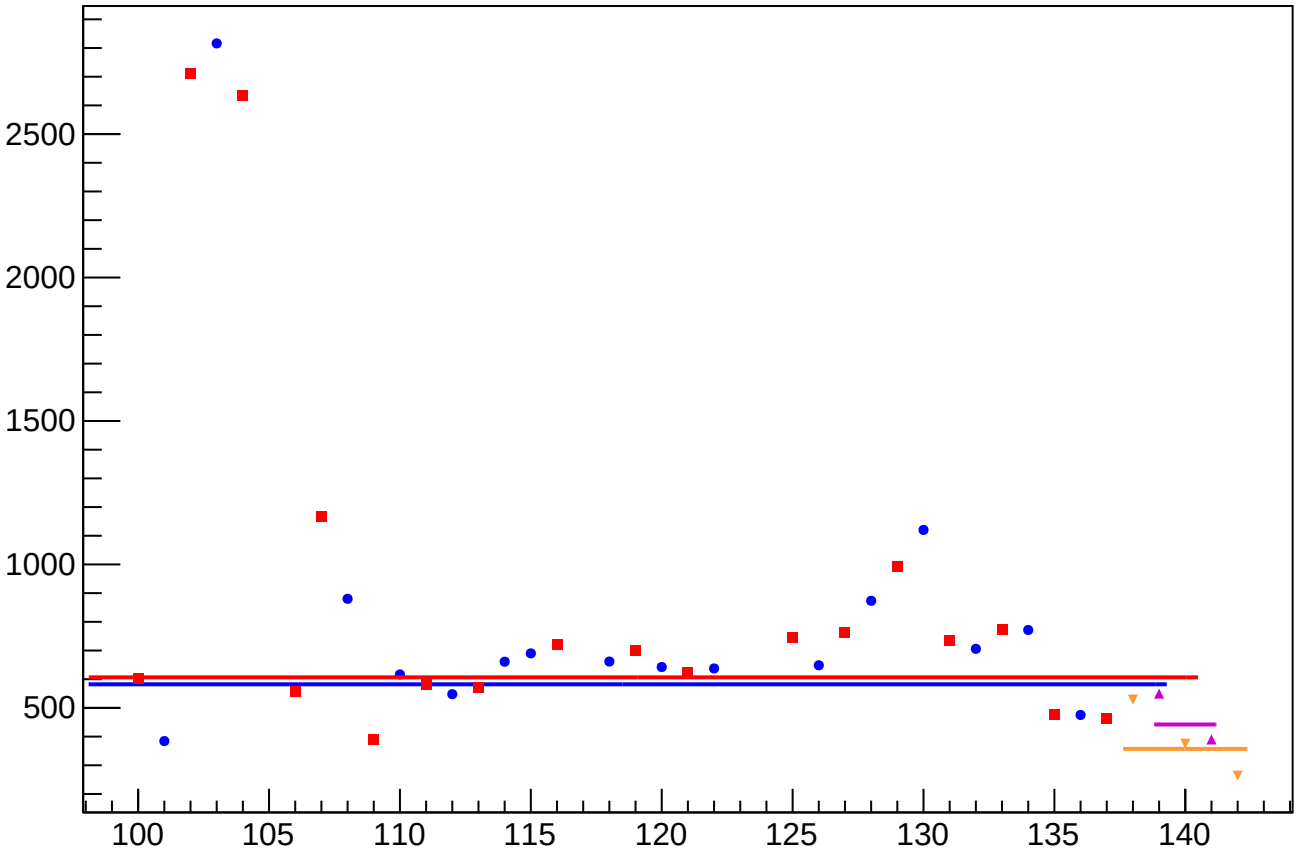
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 75.333+/-341.771 χ^2/NDF:0.0/1

+ sign 180.744+/-172.867 χ^2/NDF: 14.6/18

All: 152.518+/-130.679 χ^2/NDF: 29.1/38

- sign 114.879+/-199.622 χ^2/NDF: 14.4/19



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 357.073+/-0.184 χ^2/NDF:272719.9/2

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

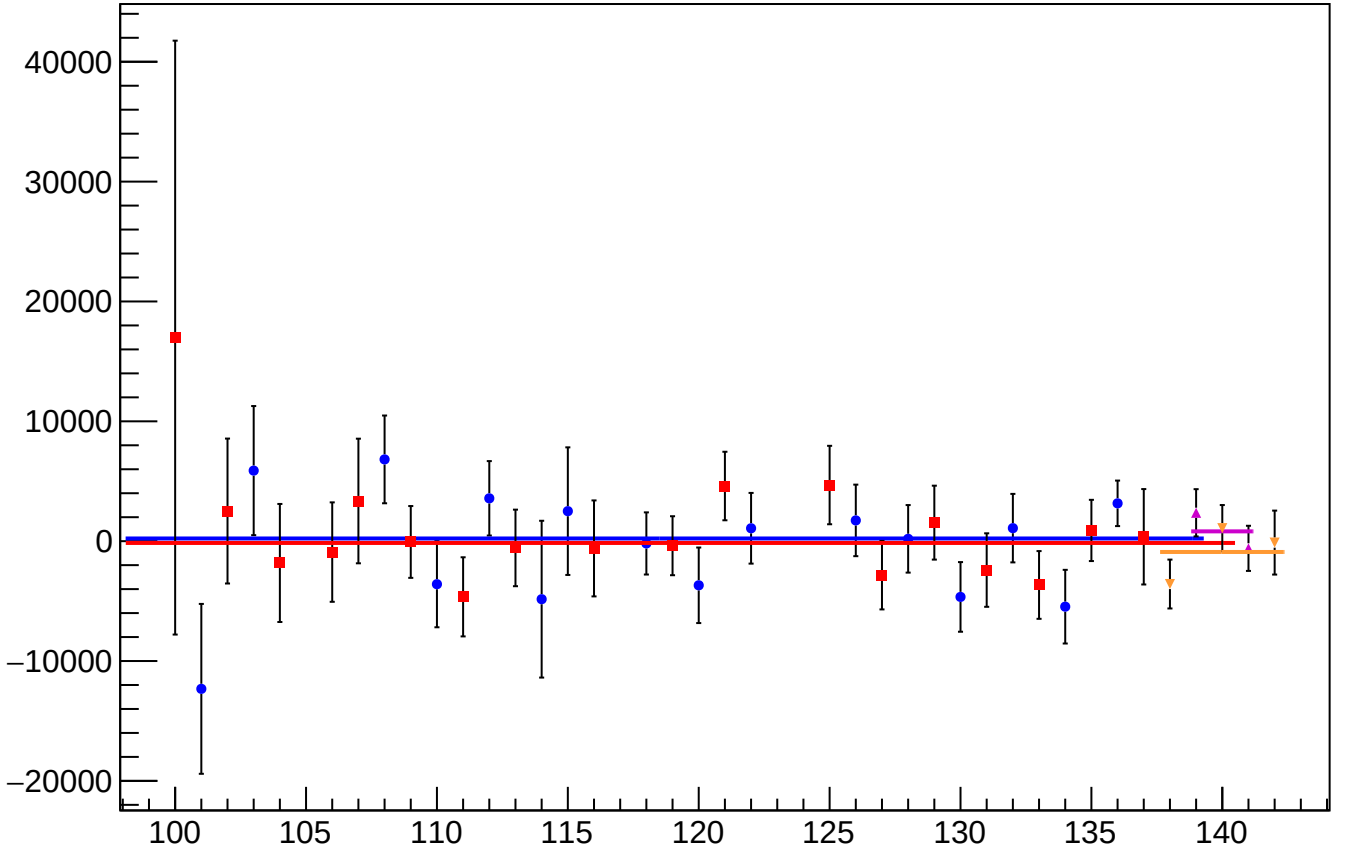
Left In: 442.181+/-0.242 χ^2/NDF:96215.9/1

+ sign 482.415+/-0.122 χ^2/NDF: 2864663.3/18

All: 511.552+/-0.092 χ^2/NDF: 5596286.9/38

- sign 550.408+/-0.141 χ^2/NDF: 2599028.7/19

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -901.407+/-1240.682 χ^2/NDF:2.9/2

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

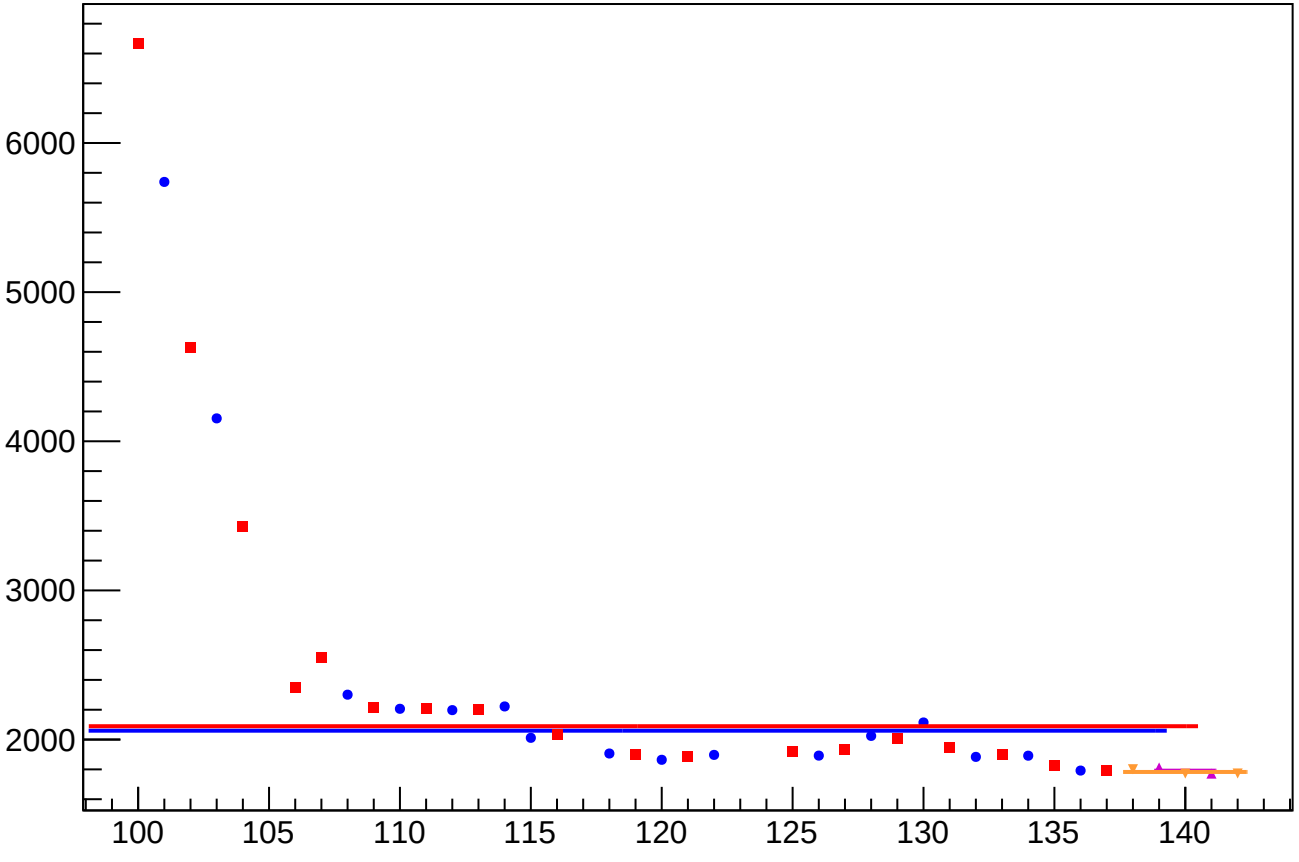
Left In: 818.389+/-1361.333 χ^2/NDF:1.2/1

+ sign -101.271+/-667.383 χ^2/NDF: 24.6/18

All: -4.663+/-478.351 χ^2/NDF: 37.8/38

- sign 97.404+/-685.981 χ^2/NDF: 13.1/19

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1782.752+/-0.877 χ^2/NDF:251.1/2

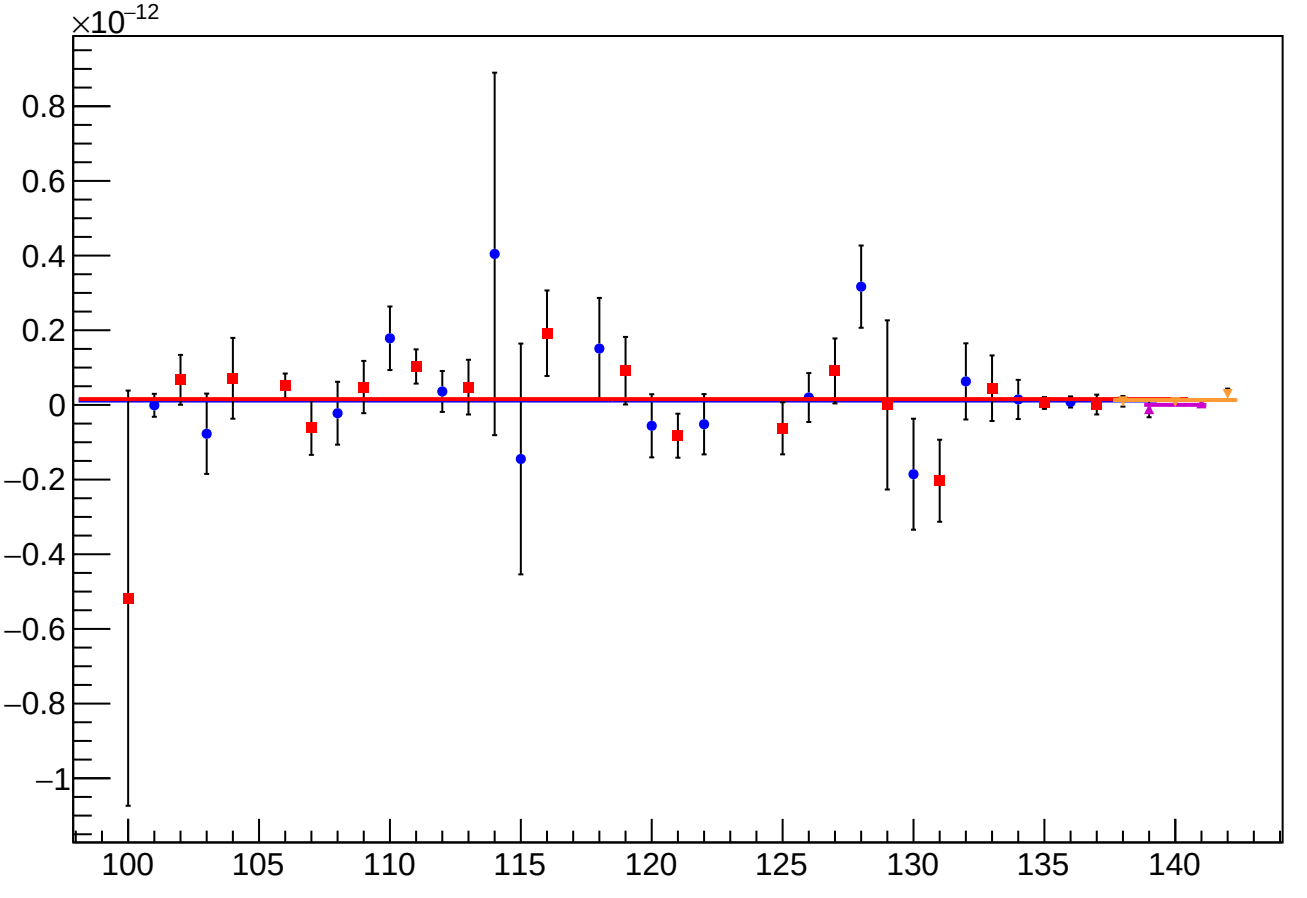
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1791.329+/-0.963 χ^2/NDF:453.1/1

+ sign 1979.419+/-0.472 χ^2/NDF: 1010841.0/18

All: 1996.123+/-0.338 χ^2/NDF: 1766909.8/38

- sign 2013.771+/-0.485 χ^2/NDF: 753492.1/19



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/2

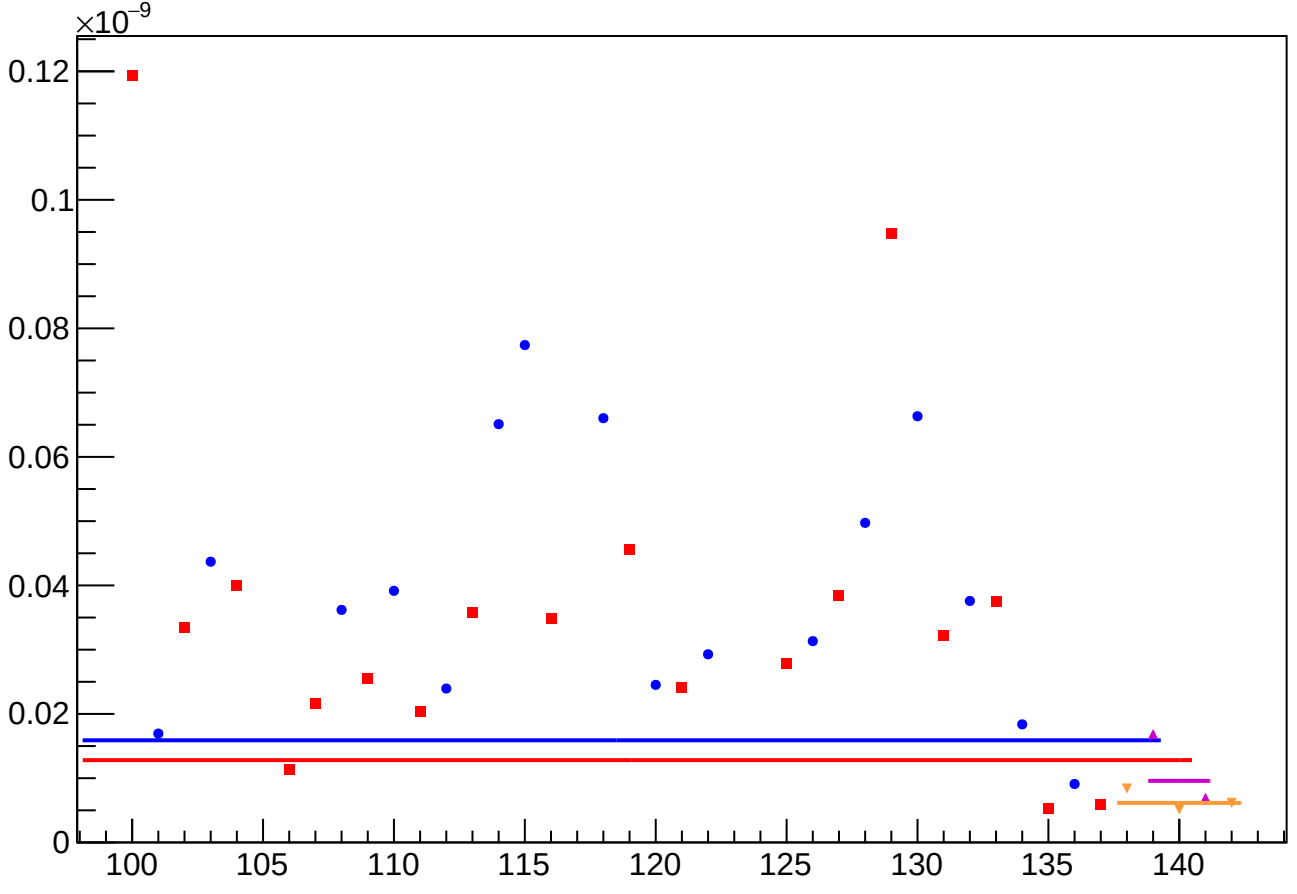
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 19.7/18

All: 0.000+/-0.000 χ^2/NDF: 41.9/38

- sign 0.000+/-0.000 χ^2/NDF: 22.1/19



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:72228.5/2

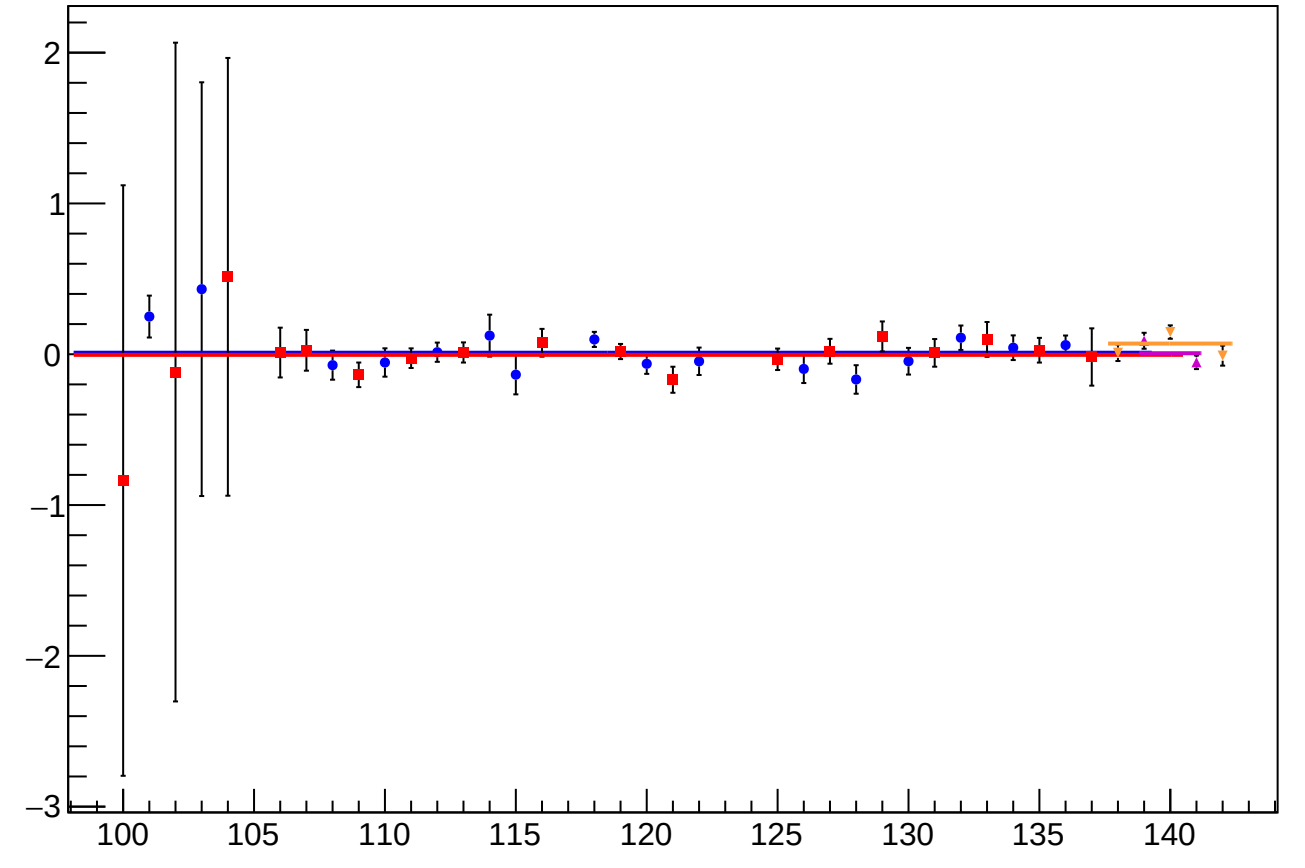
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:300562.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 3047047.6/18

All: 0.000+/-0.000 χ^2/NDF: 6053756.7/38

- sign 0.000+/-0.000 χ^2/NDF: 2873023.5/19



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.071+/-0.031 χ^2/NDF:5.6/2

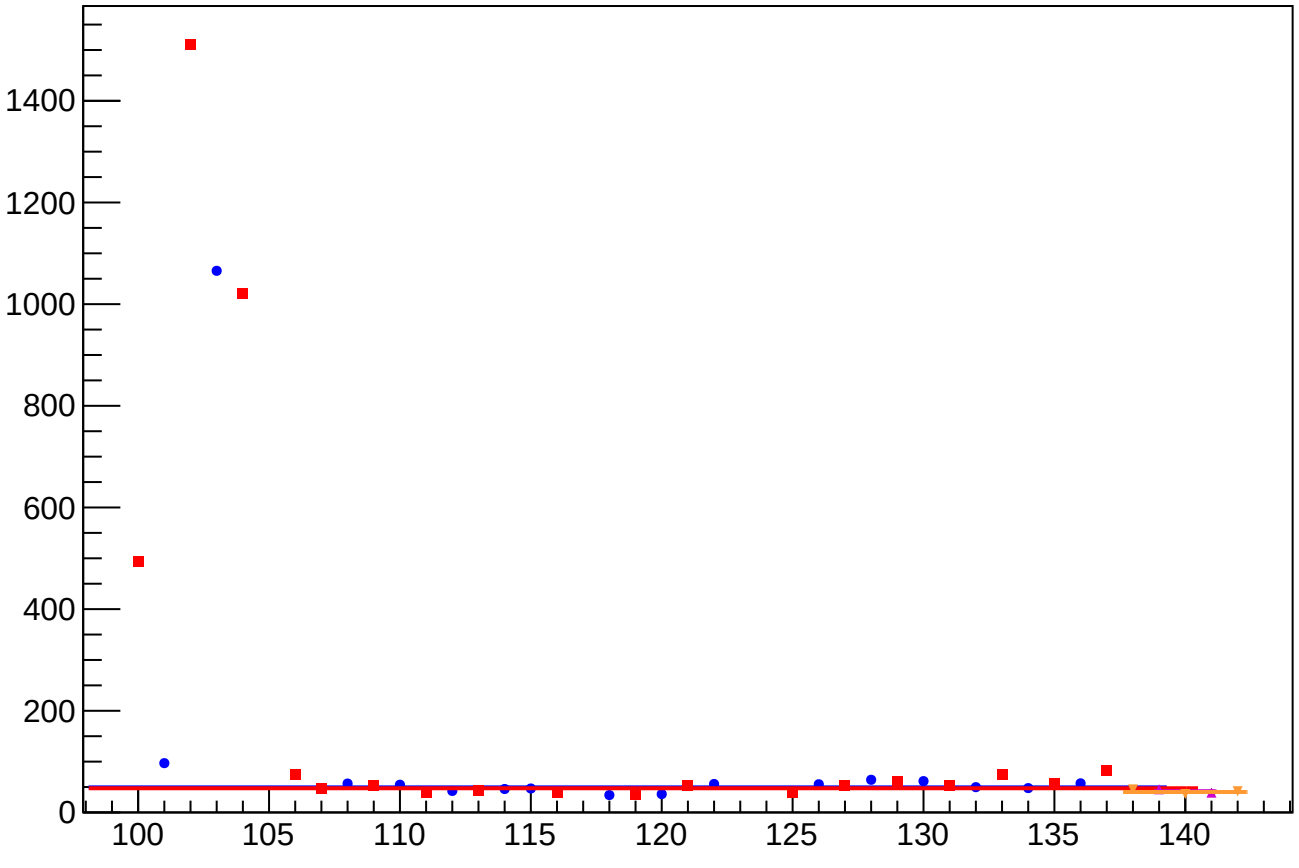
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.007+/-0.034 χ^2/NDF:4.2/1

+ sign 0.029+/-0.017 χ^2/NDF: 26.7/18

All: 0.015+/-0.013 χ^2/NDF: 43.0/38

- sign -0.001+/-0.018 χ^2/NDF: 14.8/19



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 40.267+/-0.022 χ^2/NDF:33098.0/2

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

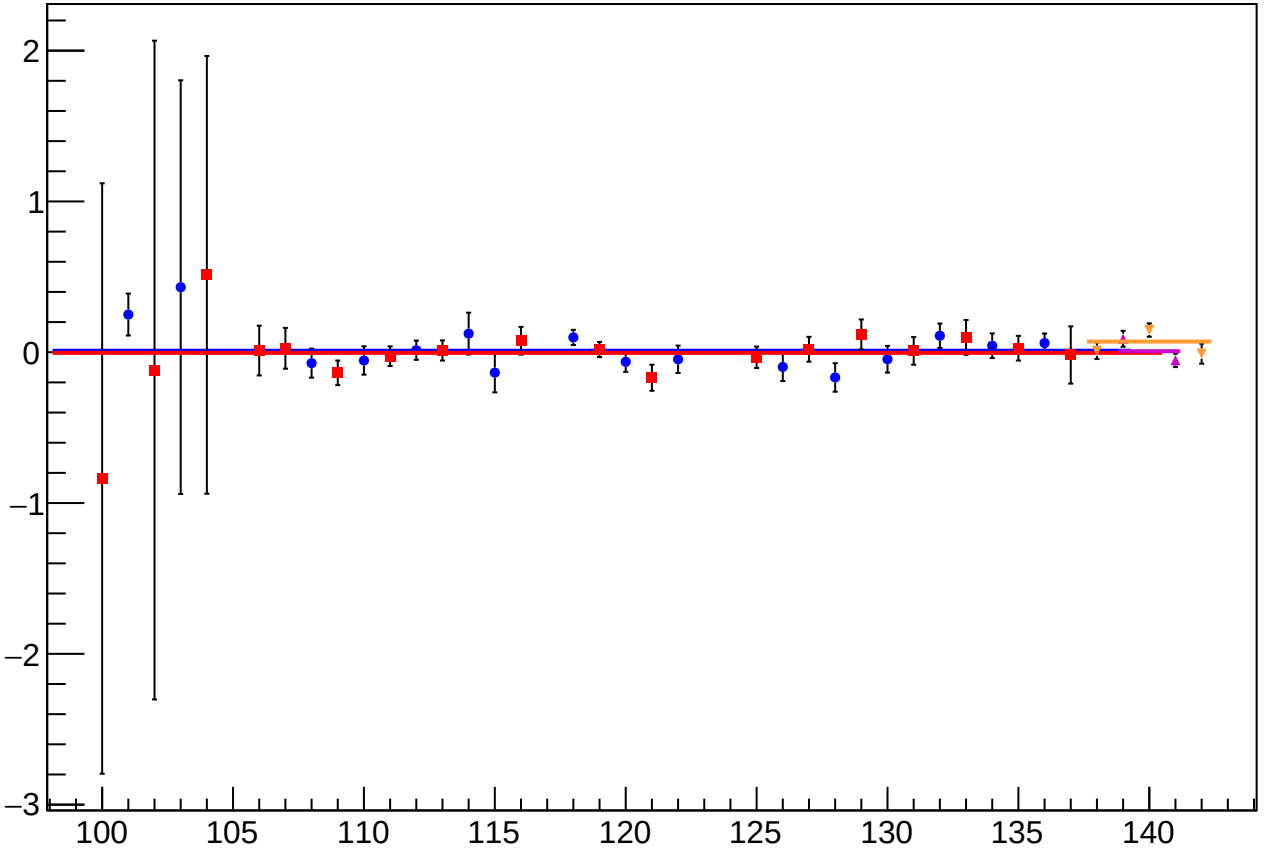
Left In: 41.815+/-0.024 χ^2/NDF:17743.2/1

+ sign 46.446+/-0.012 χ^2/NDF: 1929268.4/18

All: 46.221+/-0.009 χ^2/NDF: 4406737.9/38

- sign 45.971+/-0.013 χ^2/NDF: 2476752.7/19

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: 0.071+/-0.031 χ^2/NDF:5.6/2

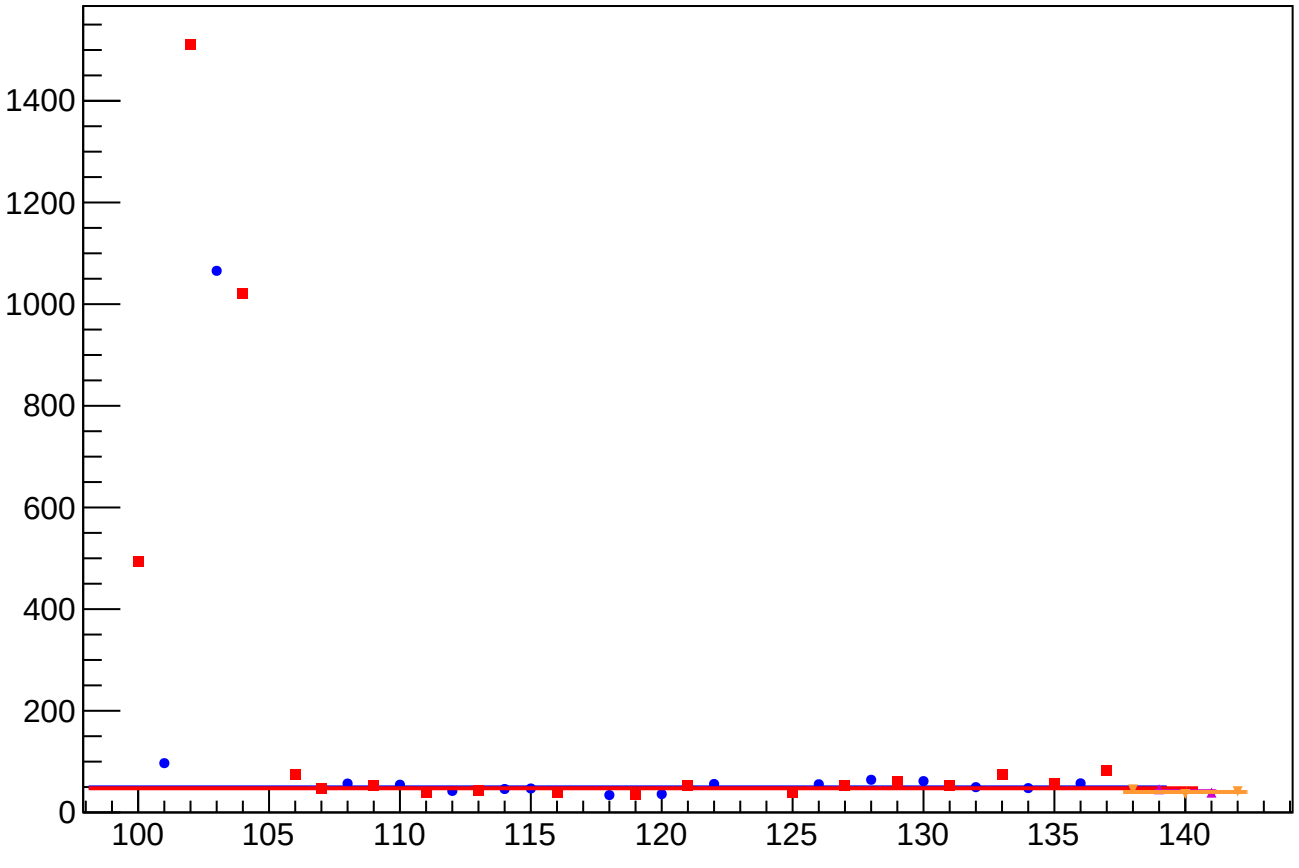
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.007+/-0.034 χ^2/NDF:4.2/1

+ sign 0.029+/-0.017 χ^2/NDF: 26.7/18

All: 0.015+/-0.013 χ^2/NDF: 43.0/38

- sign -0.001+/-0.018 χ^2/NDF: 14.8/19



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 40.267+/-0.022 χ^2/NDF:33098.0/2

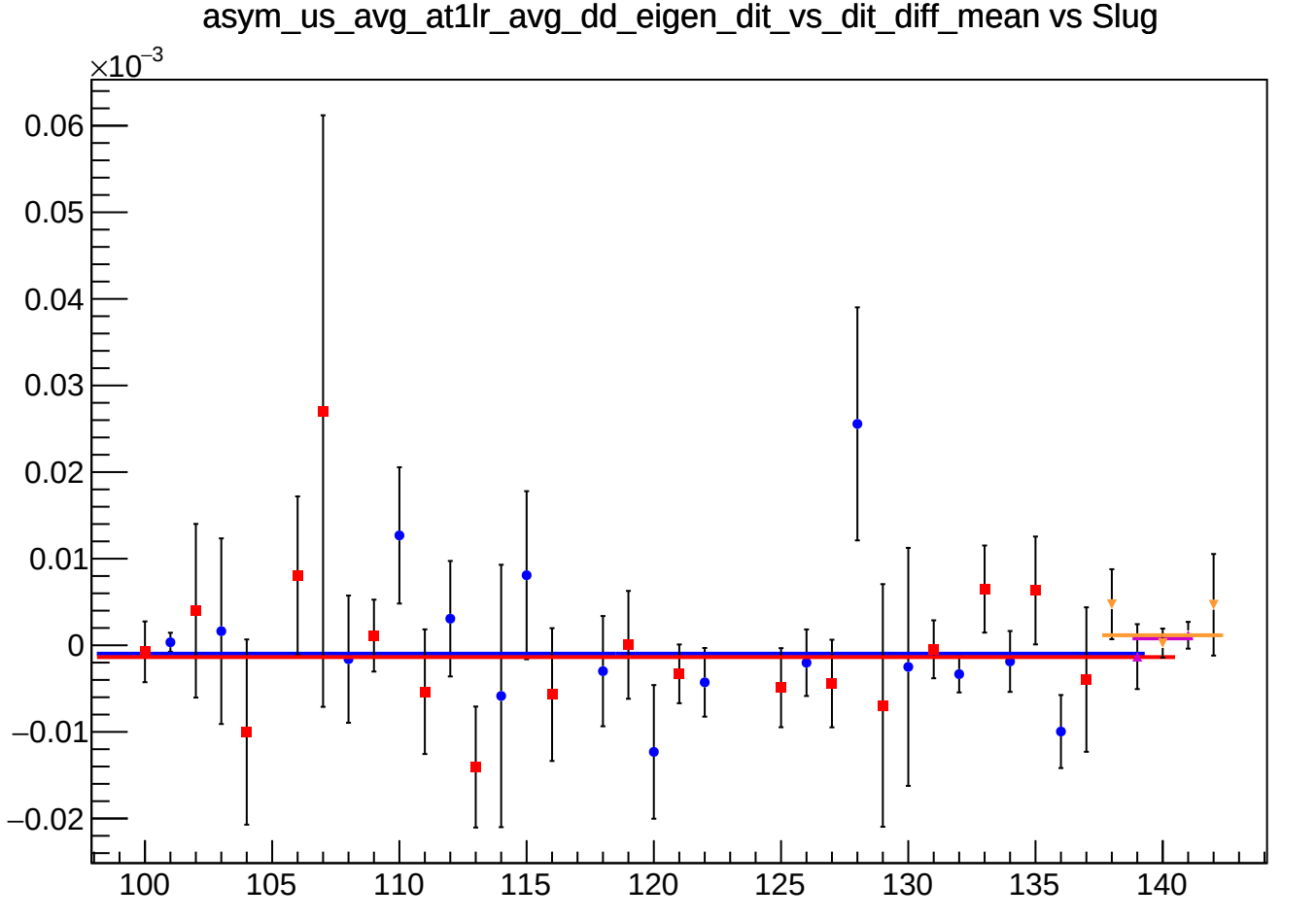
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

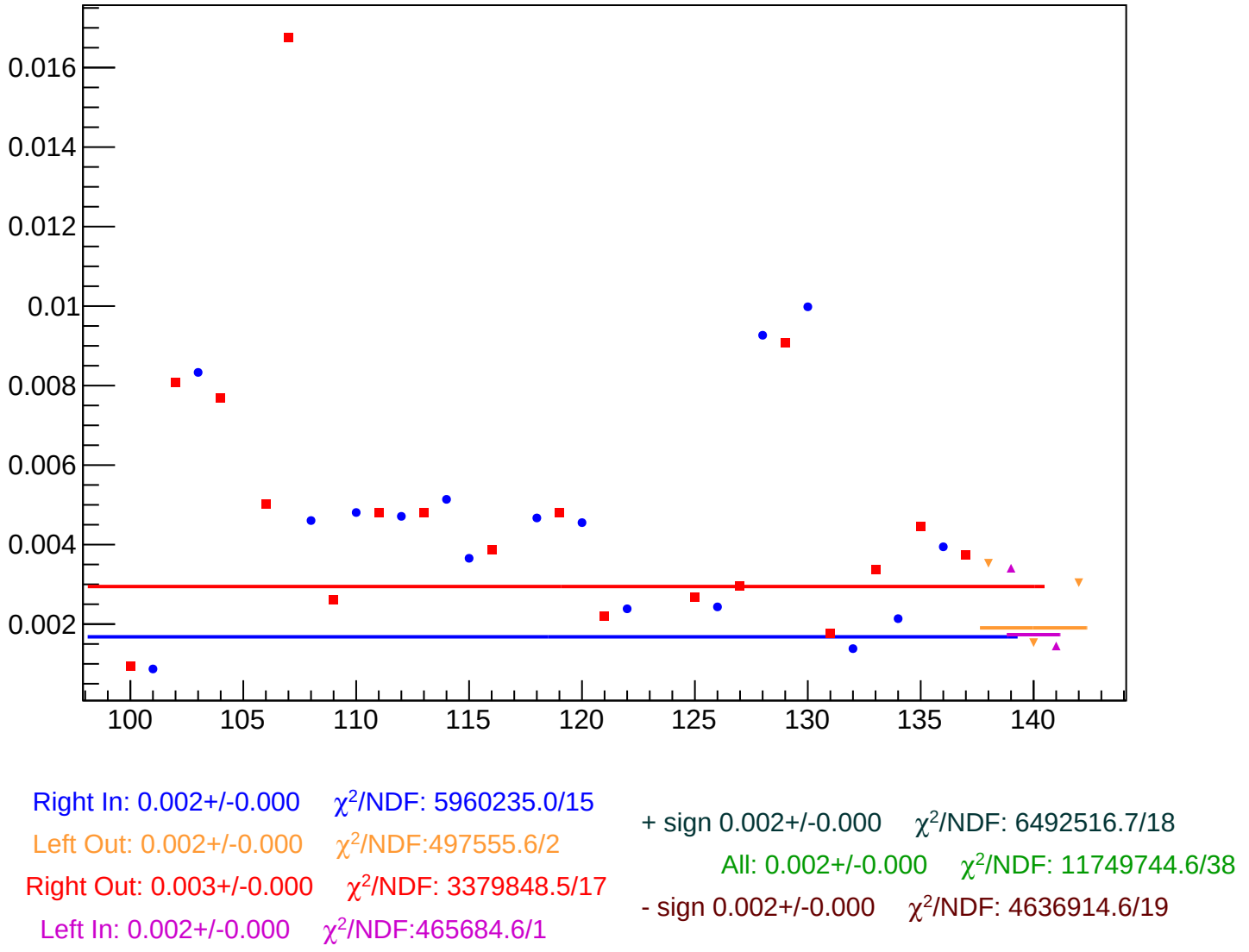
Left In: 41.815+/-0.024 χ^2/NDF:17743.2/1

+ sign 46.446+/-0.012 χ^2/NDF: 1929268.4/18

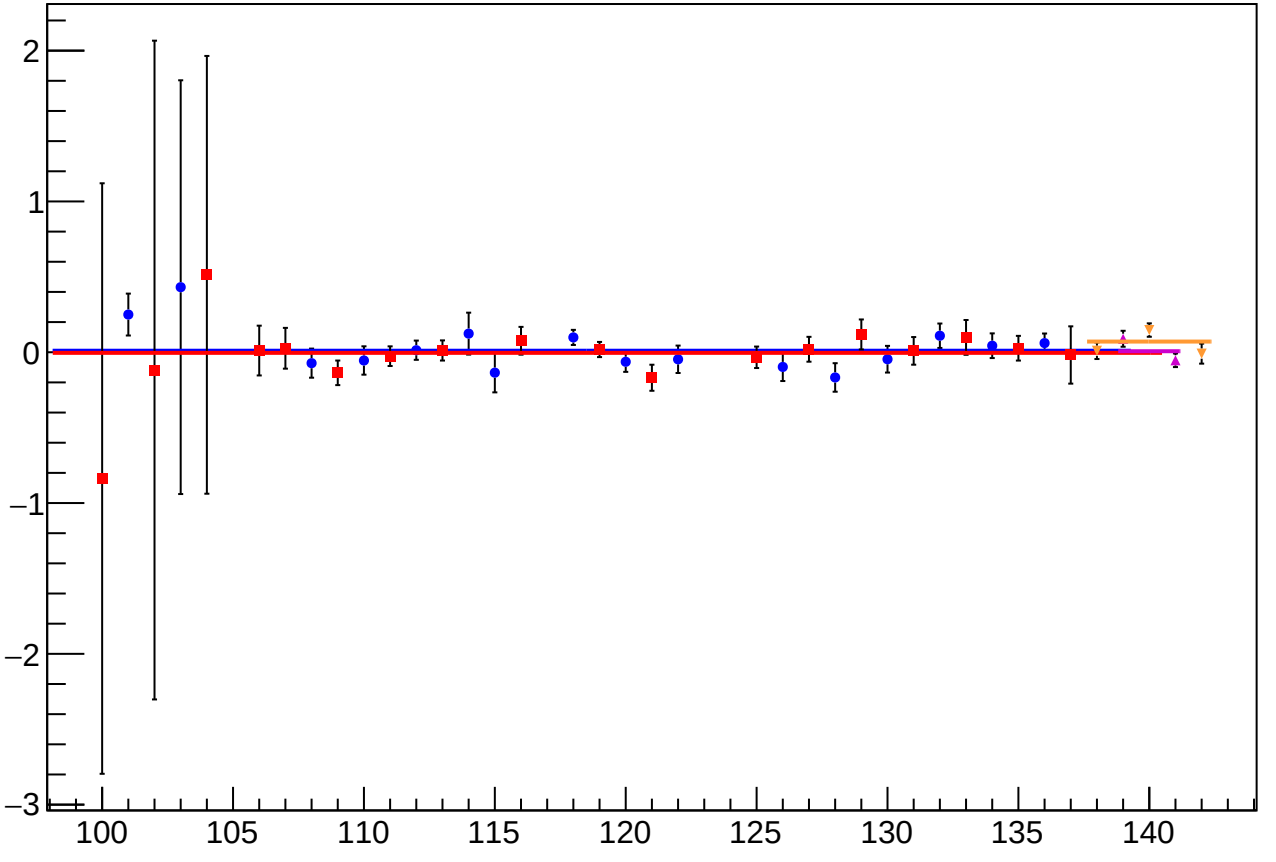
All: 46.221+/-0.009 χ^2/NDF: 4406737.9/38

- sign 45.971+/-0.013 χ^2/NDF: 2476752.7/19


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1.4/2
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:0.4/1
+ sign -0.000+/-0.000 χ²/NDF: 21.6/18
All: -0.000+/-0.000 χ²/NDF: 35.9/38
- sign -0.000+/-0.000 χ²/NDF: 14.3/19


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
140
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.002+/-0.000 χ²/NDF:497555.6/2
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:465684.6/1
+ sign 0.002+/-0.000 χ²/NDF: 6492516.7/18
All: 0.002+/-0.000 χ²/NDF: 11749744.6/38
- sign 0.002+/-0.000 χ²/NDF: 4636914.6/19

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: 0.071+/-0.031 χ^2/NDF:5.6/2

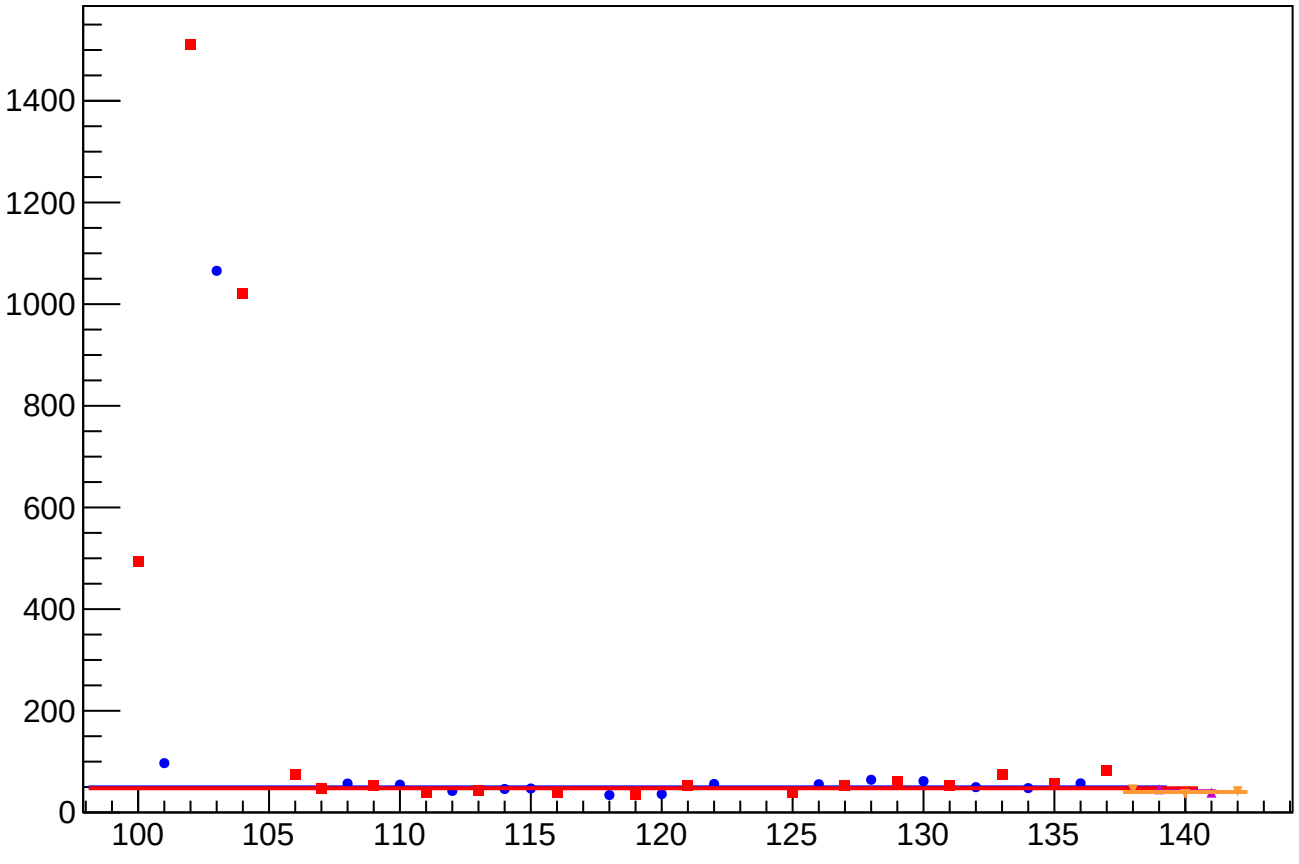
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.007+/-0.034 χ^2/NDF:4.2/1

+ sign 0.029+/-0.017 χ^2/NDF: 26.7/18

All: 0.015+/-0.013 χ^2/NDF: 43.0/38

- sign -0.001+/-0.018 χ^2/NDF: 14.8/19



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 40.267+/-0.022 χ^2/NDF:33105.8/2

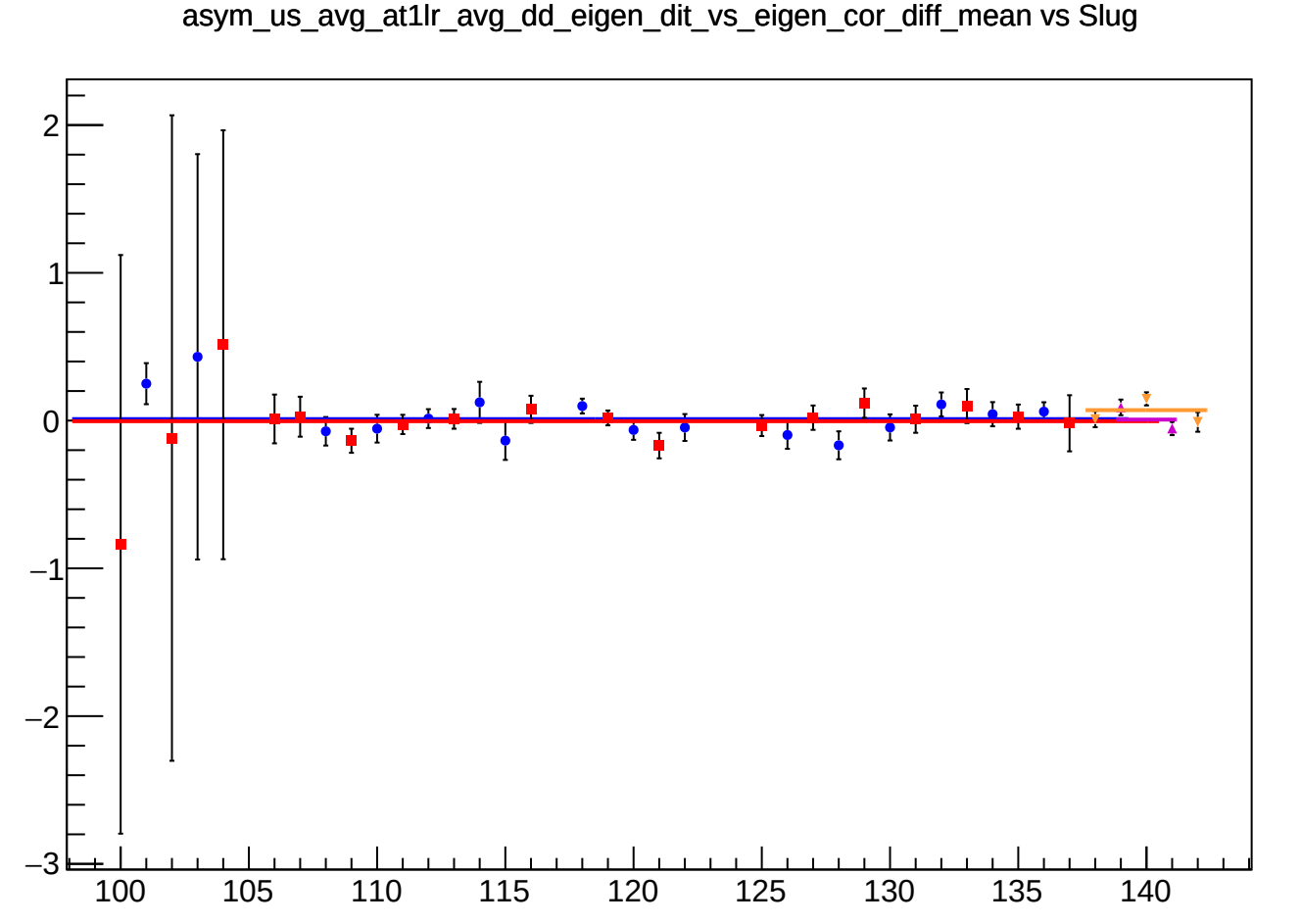
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.814+/-0.024 χ^2/NDF:17742.4/1

+ sign 46.447+/-0.012 χ^2/NDF: 1929208.5/18

All: 46.221+/-0.009 χ^2/NDF: 4406710.4/38

- sign 45.970+/-0.013 χ^2/NDF: 2476781.8/19



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.071+/-0.031 χ^2/NDF:5.6/2

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

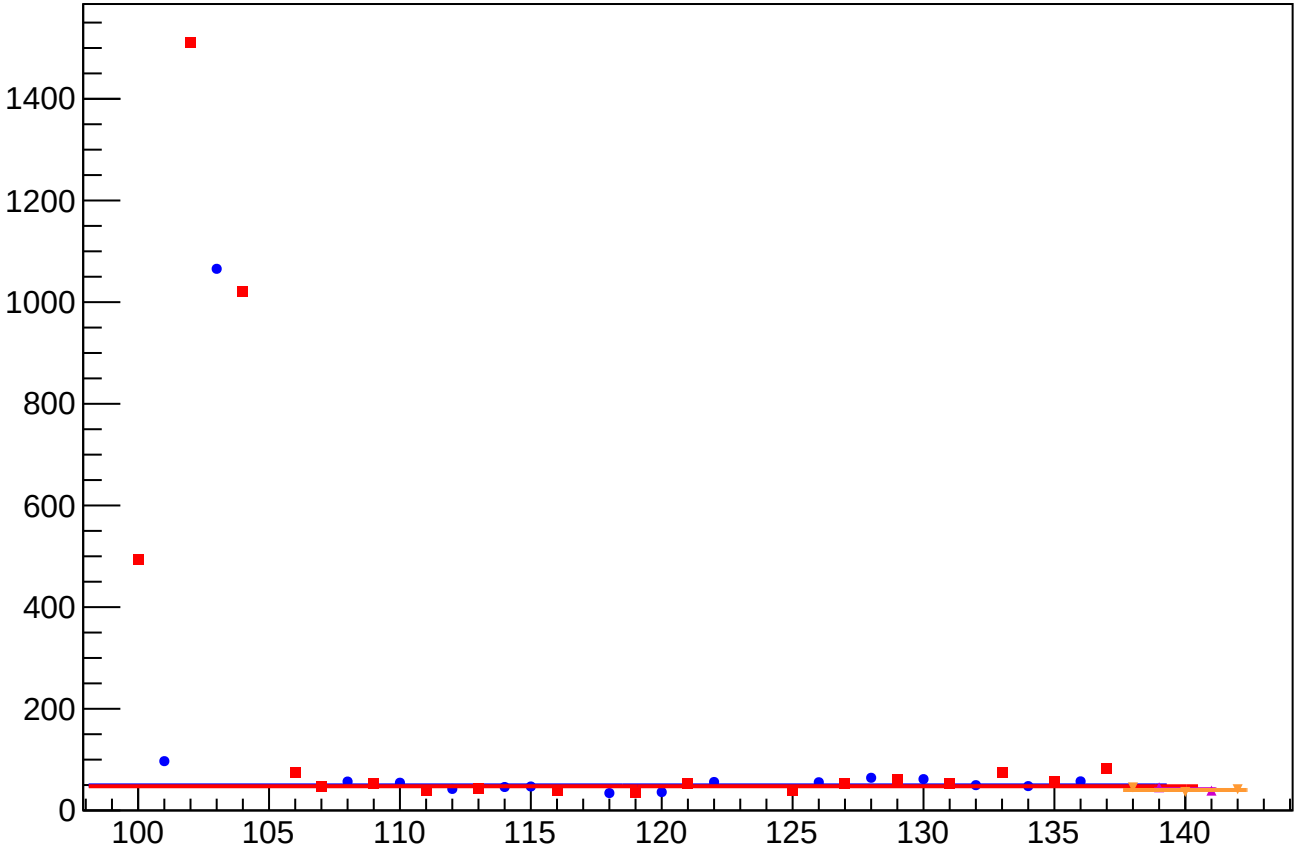
Left In: 0.007+/-0.034 χ^2/NDF:4.2/1

+ sign 0.029+/-0.017 χ^2/NDF: 26.7/18

All: 0.015+/-0.013 χ^2/NDF: 43.0/38

- sign -0.001+/-0.018 χ^2/NDF: 14.8/19

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 40.267+/-0.022 χ^2/NDF:33105.8/2

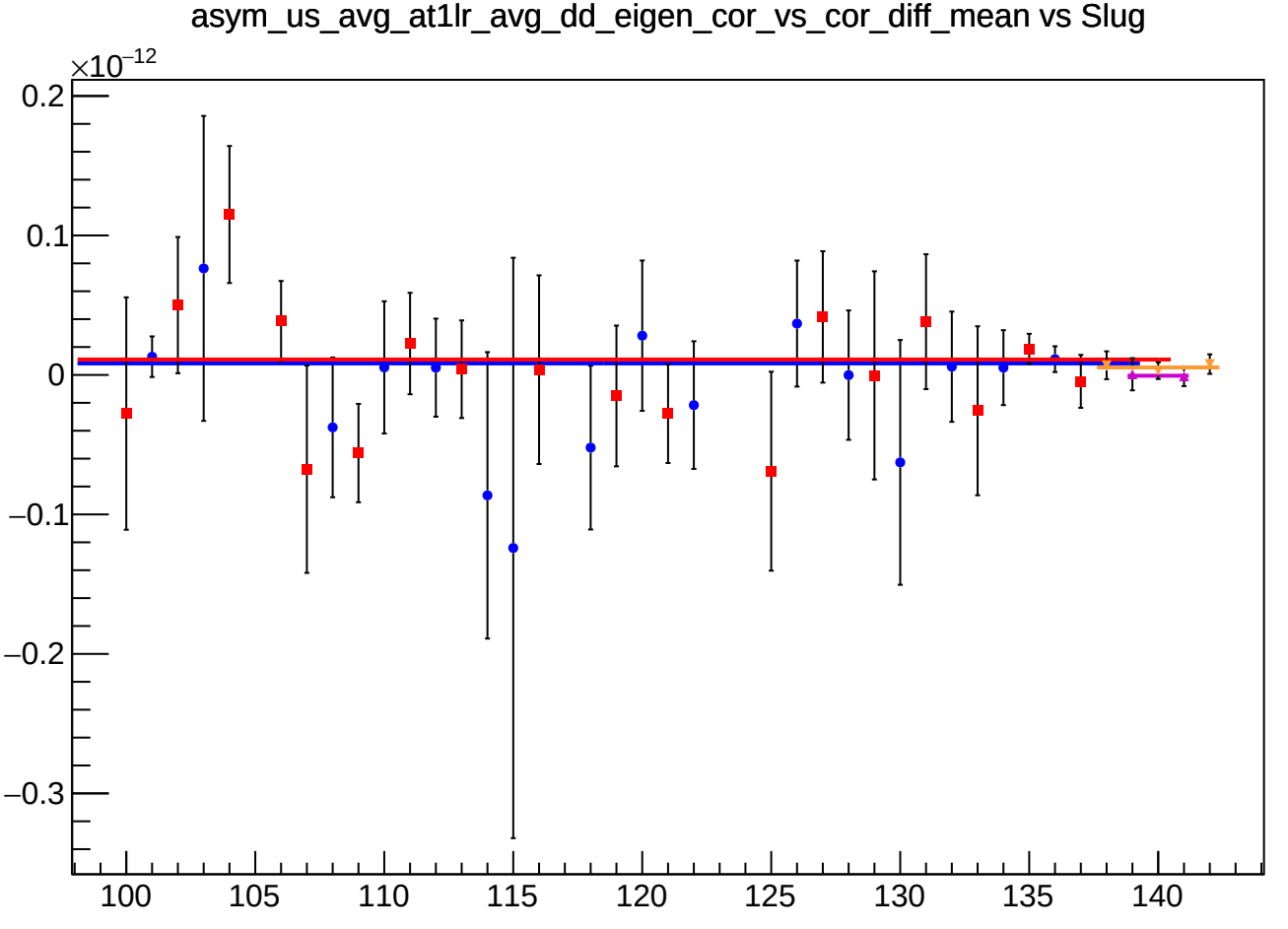
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.814+/-0.024 χ^2/NDF:17742.4/1

+ sign 46.447+/-0.012 χ^2/NDF: 1929208.5/18

All: 46.221+/-0.009 χ^2/NDF: 4406710.4/38

- sign 45.970+/-0.013 χ^2/NDF: 2476781.8/19



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/2

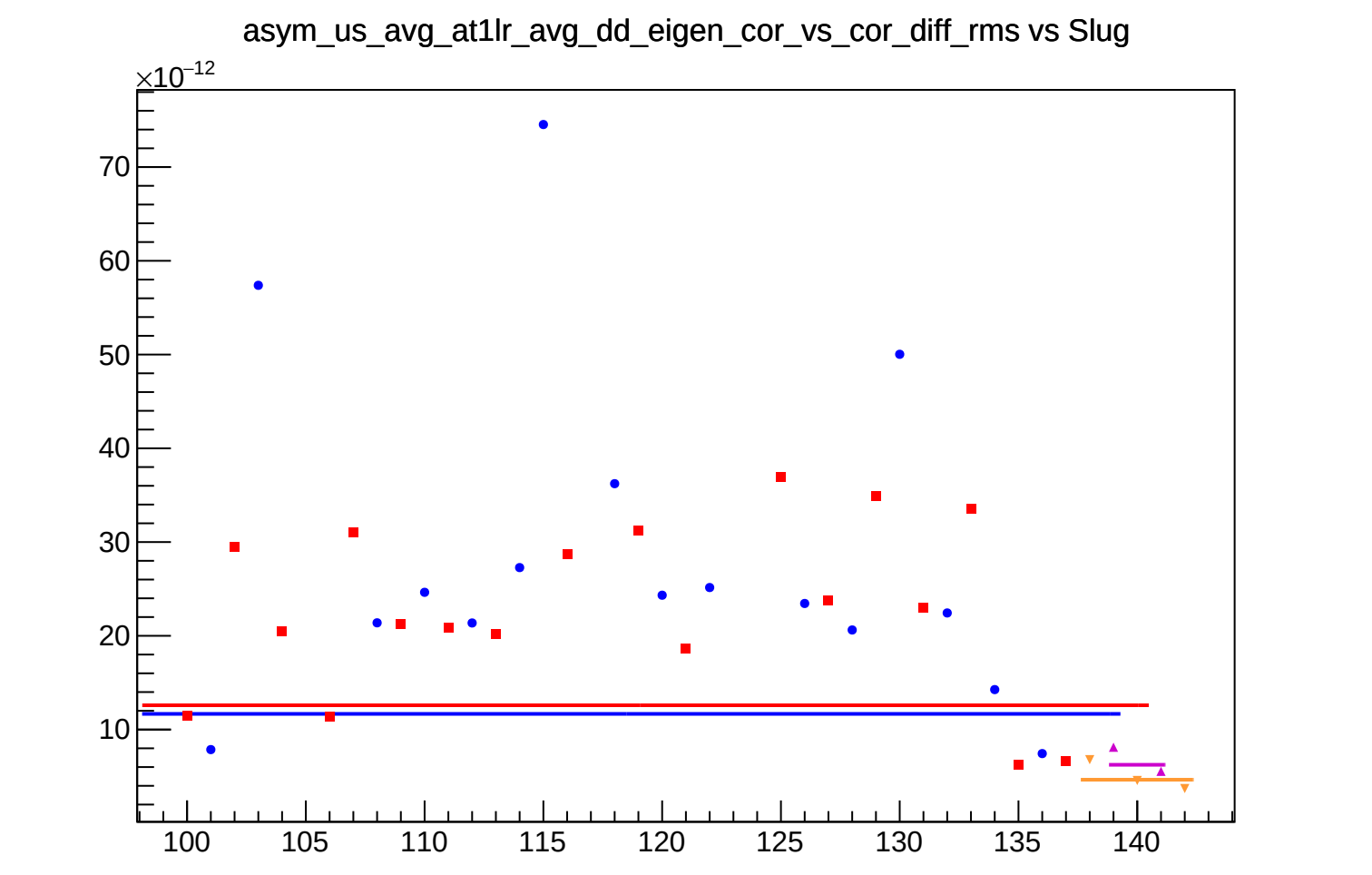
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 5.9/18

All: 0.000+/-0.000 χ^2/NDF: 23.7/38

- sign 0.000+/-0.000 χ^2/NDF: 17.7/19



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:128617.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

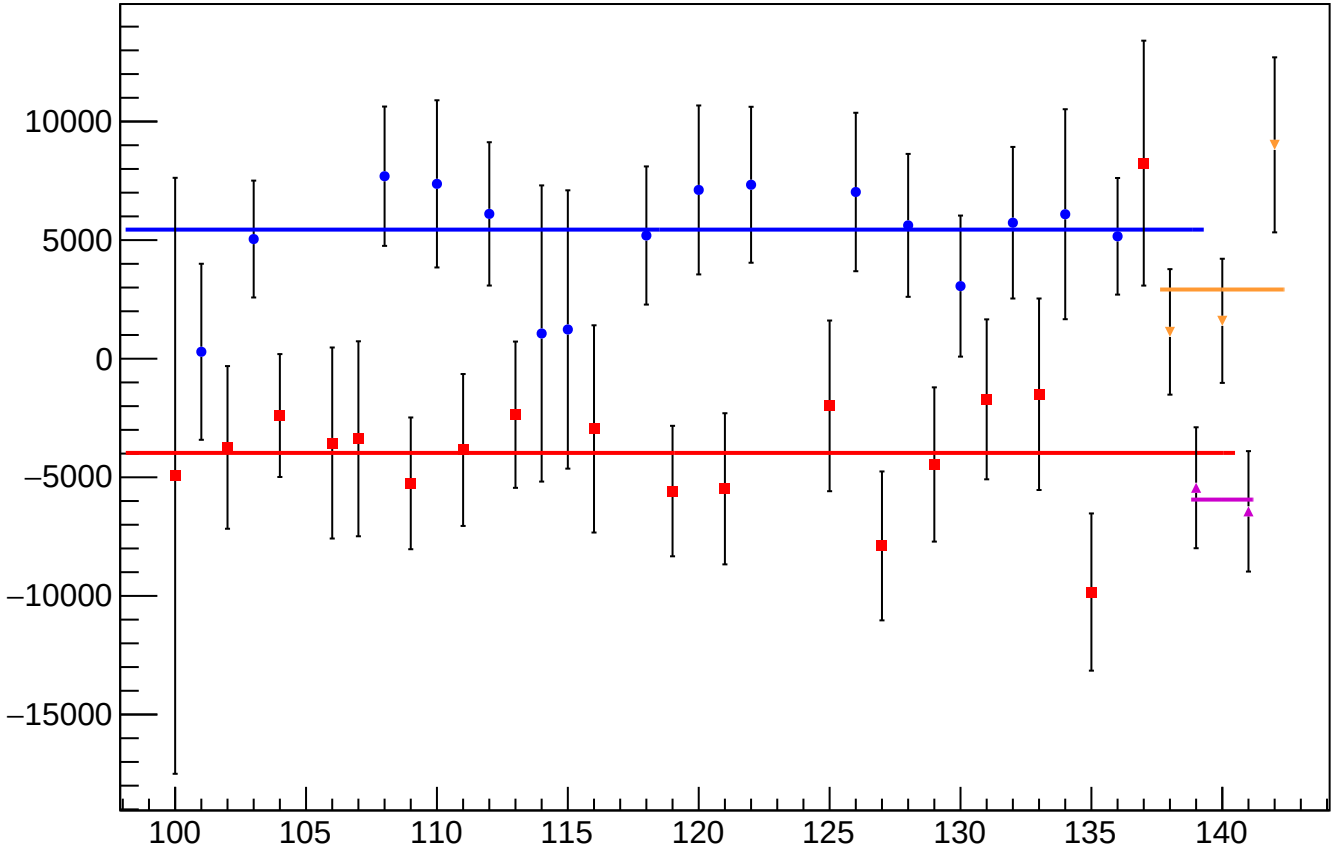
Left In: 0.000+/-0.000 χ^2/NDF:72456.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 4637107.9/18

All: 0.000+/-0.000 χ^2/NDF: 8843001.8/38

- sign 0.000+/-0.000 χ^2/NDF: 3908688.8/19

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2917.048+/-1661.288 χ^2/NDF:3.4/2

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

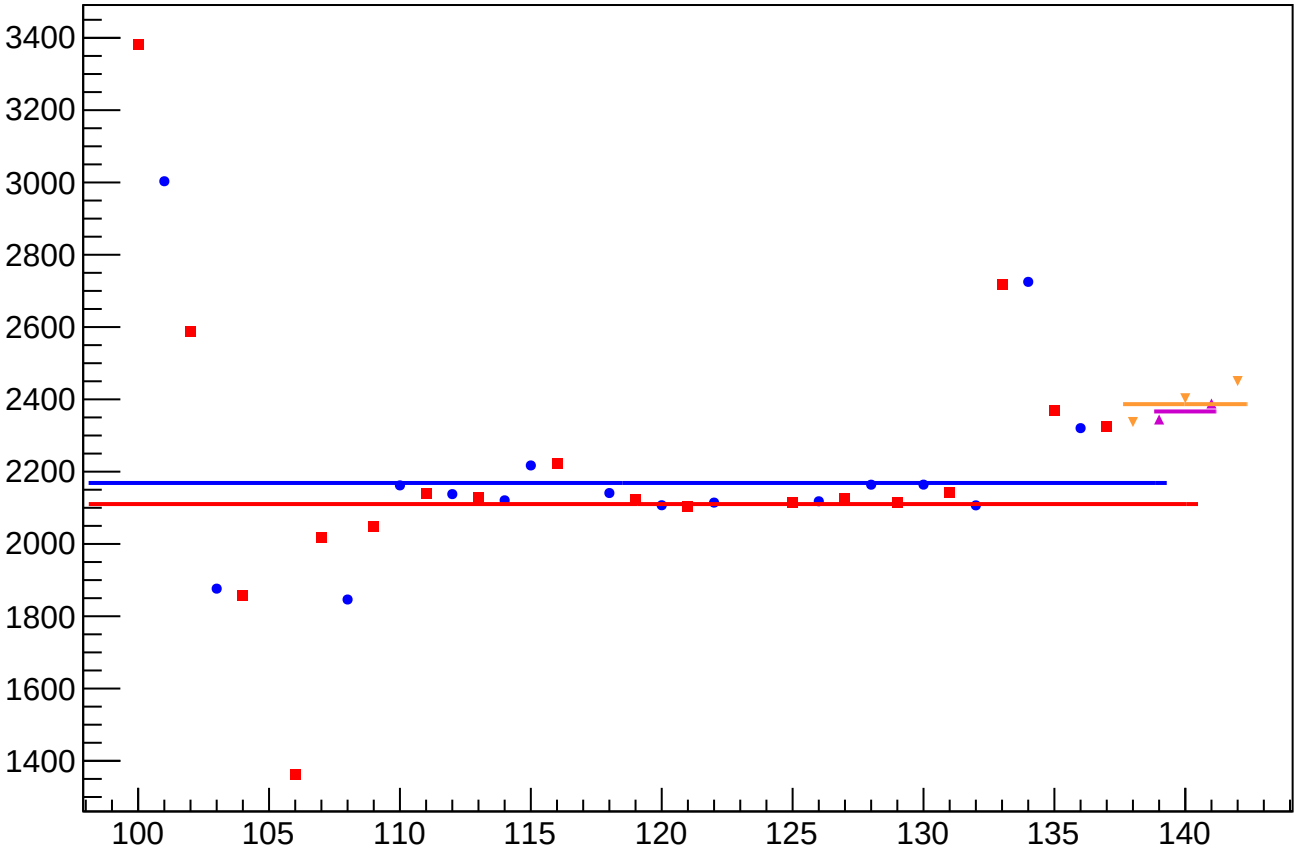
Left In: -5939.791+/-1799.067 χ^2/NDF:0.1/1

+ sign 4954.857+/-729.907 χ^2/NDF: 10.7/18

All: 376.148+/-518.908 χ^2/NDF: 104.3/38

- sign -4302.769+/-737.851 χ^2/NDF: 14.0/19

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2386.741+/-1.175 χ^2/NDF:1373.8/2

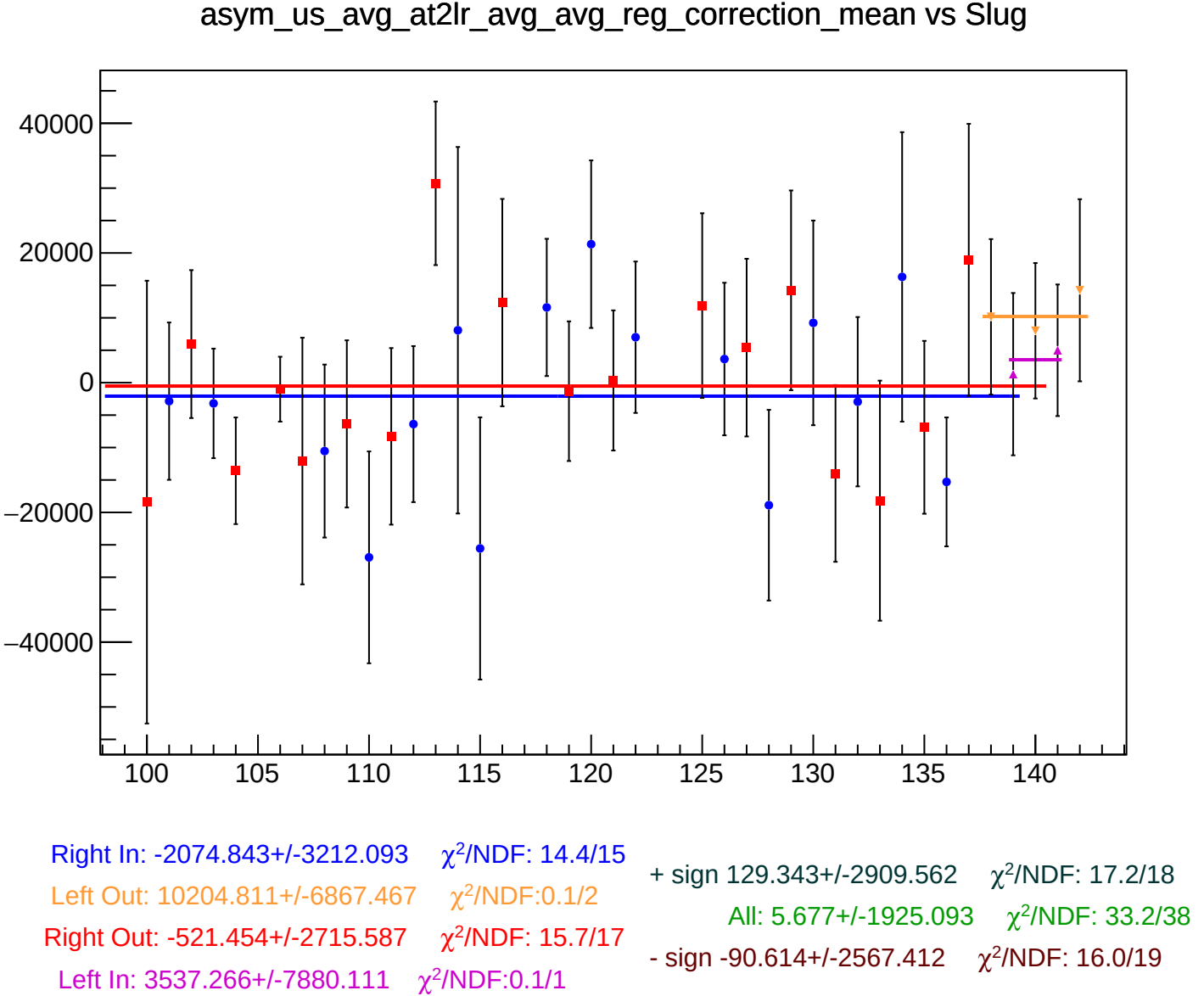
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2366.546+/-1.272 χ^2/NDF:301.7/1

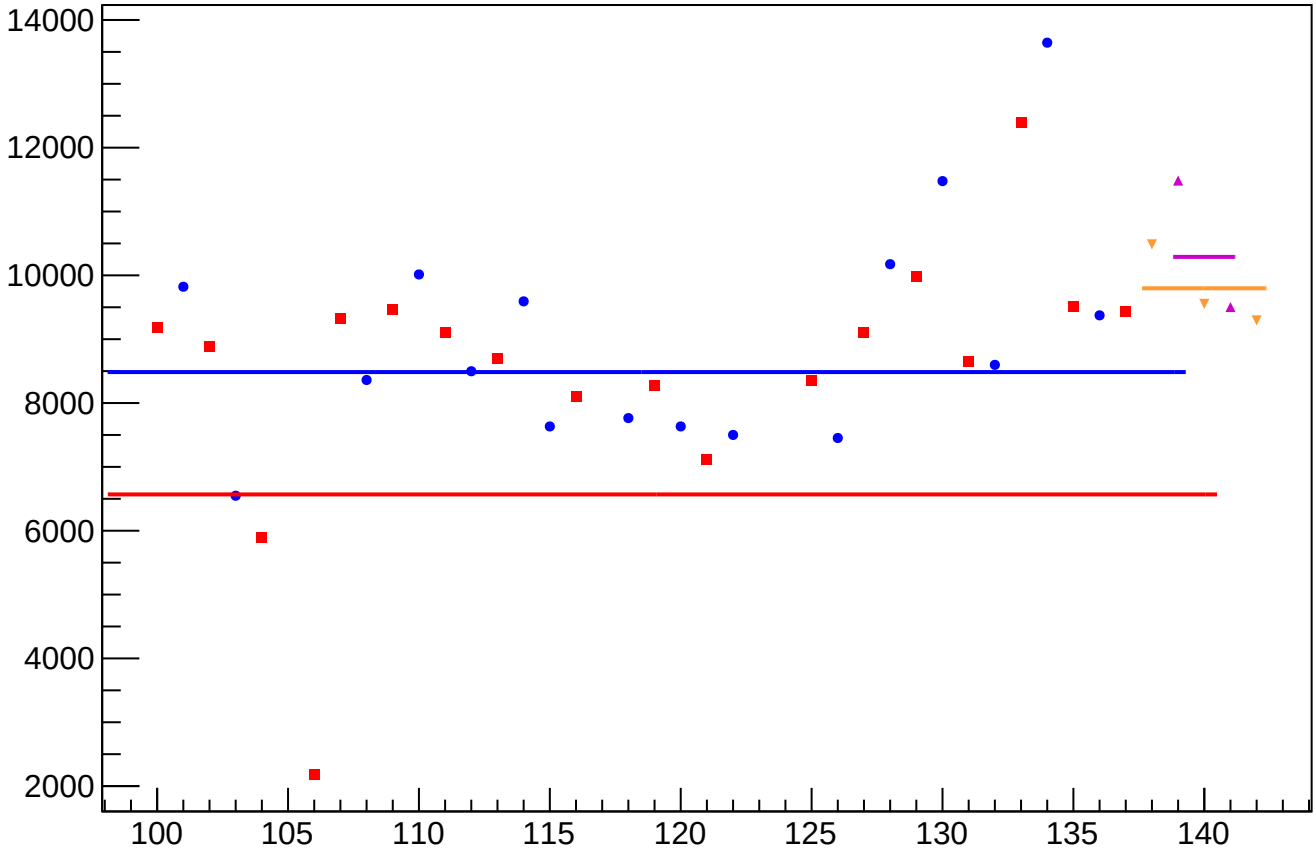
+ sign 2210.803+/-0.516 χ^2/NDF: 224831.0/18

All: 2181.488+/-0.364 χ^2/NDF: 532894.0/38

- sign 2152.321+/-0.515 χ^2/NDF: 301627.1/19


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
105
110
115
120
125
130
135
140
Right In: -2074.843+/-3212.093 χ²/NDF: 14.4/15
Left Out: 10204.811+/-6867.467 χ²/NDF:0.1/2
Right Out: -521.454+/-2715.587 χ²/NDF: 15.7/17
Left In: 3537.266+/-7880.111 χ²/NDF:0.1/1
+ sign 129.343+/-2909.562 χ²/NDF: 17.2/18
All: 5.677+/-1925.093 χ²/NDF: 33.2/38
- sign -90.614+/-2567.412 χ²/NDF: 16.0/19

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9797.461+/-4.856 χ^2/NDF:10250.6/2

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

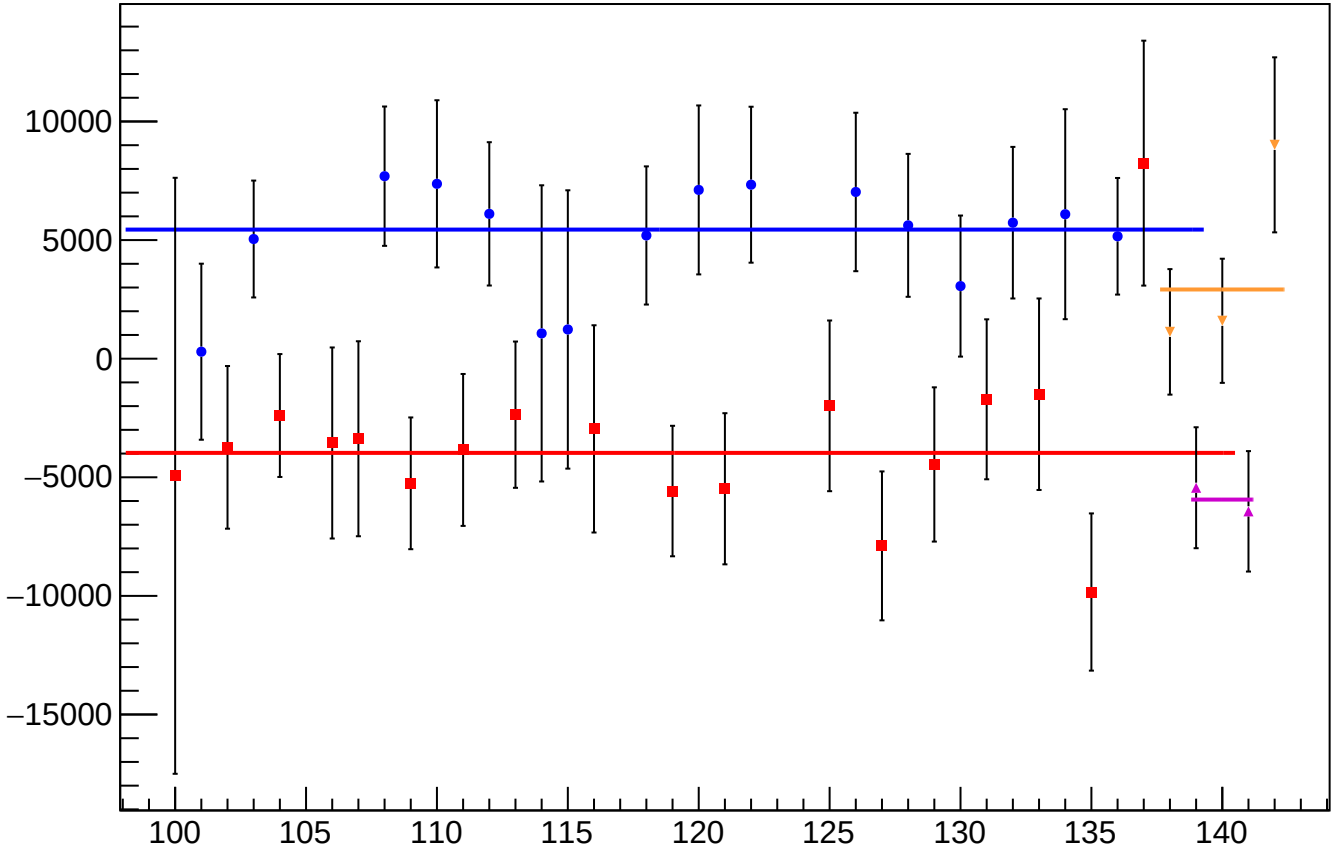
Left In: 10289.491+/-5.572 χ^2/NDF:30246.4/1

+ sign 8720.585+/-2.057 χ^2/NDF: 492892.9/18

All: 7732.803+/-1.361 χ^2/NDF: 3900590.5/38

- sign 6963.677+/-1.815 χ^2/NDF: 2997696.5/19

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2917.078+/-1661.288 χ^2/NDF:3.4/2

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

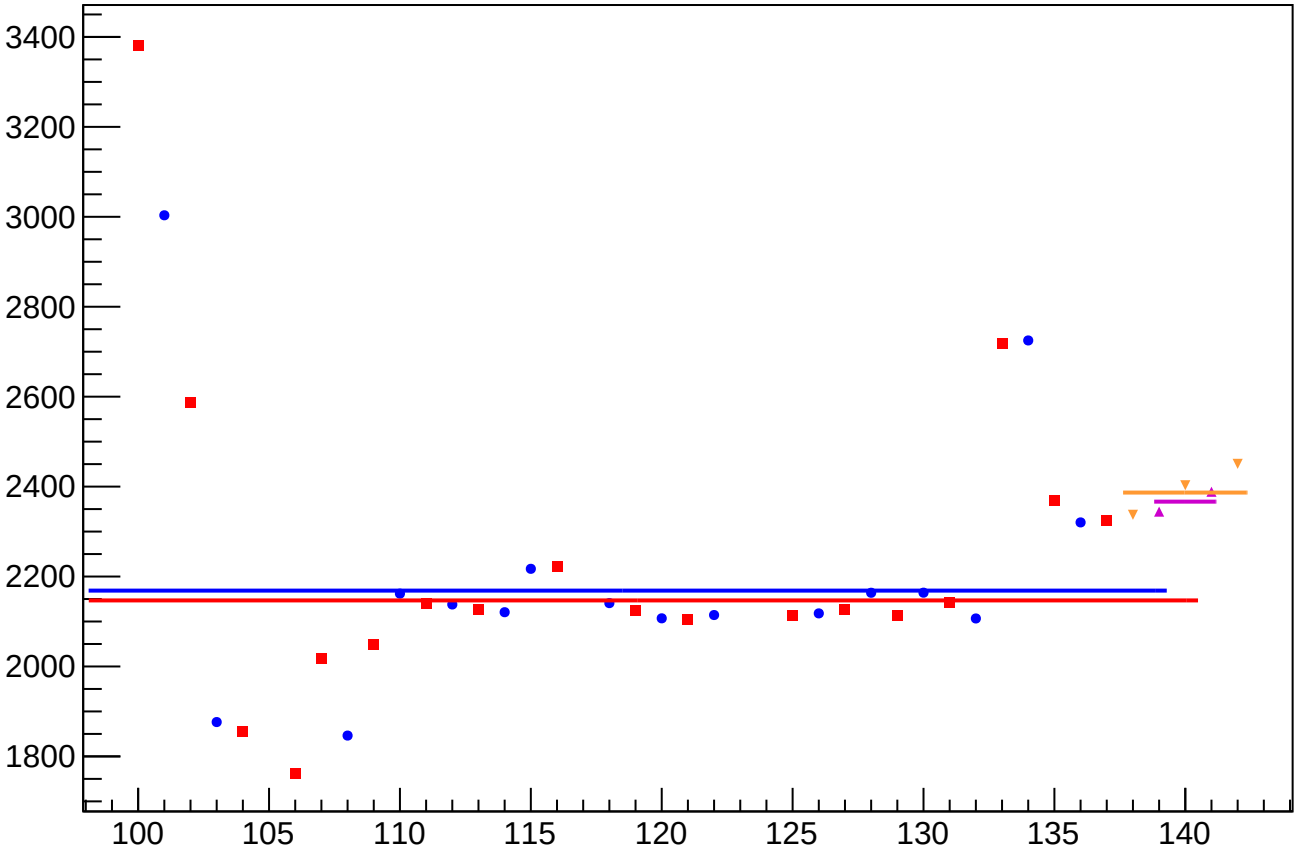
Left In: -5939.911+/-1799.067 χ^2/NDF:0.1/1

+ sign 4954.977+/-729.907 χ^2/NDF: 10.7/18

All: 376.305+/-518.908 χ^2/NDF: 104.3/38

- sign -4302.574+/-737.851 χ^2/NDF: 14.0/19

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2386.742+/-1.175 χ^2/NDF:1373.8/2

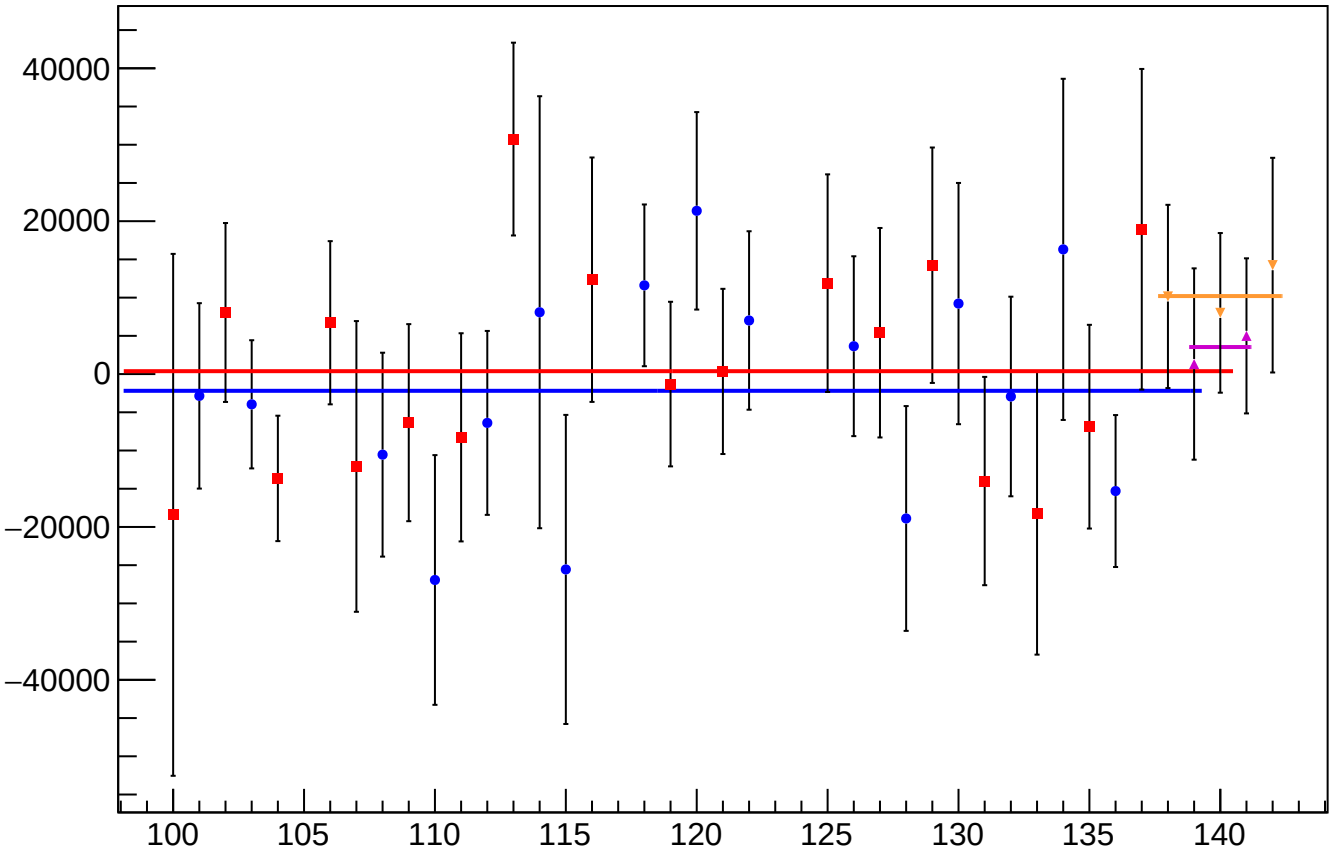
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2366.546+/-1.272 χ^2/NDF:301.7/1

+ sign 2210.803+/-0.516 χ^2/NDF: 224831.4/18

All: 2197.258+/-0.366 χ^2/NDF: 409111.6/38

- sign 2183.531+/-0.520 χ^2/NDF: 182893.4/19



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 10204.876+/-6867.456 χ^2/NDF:0.1/2

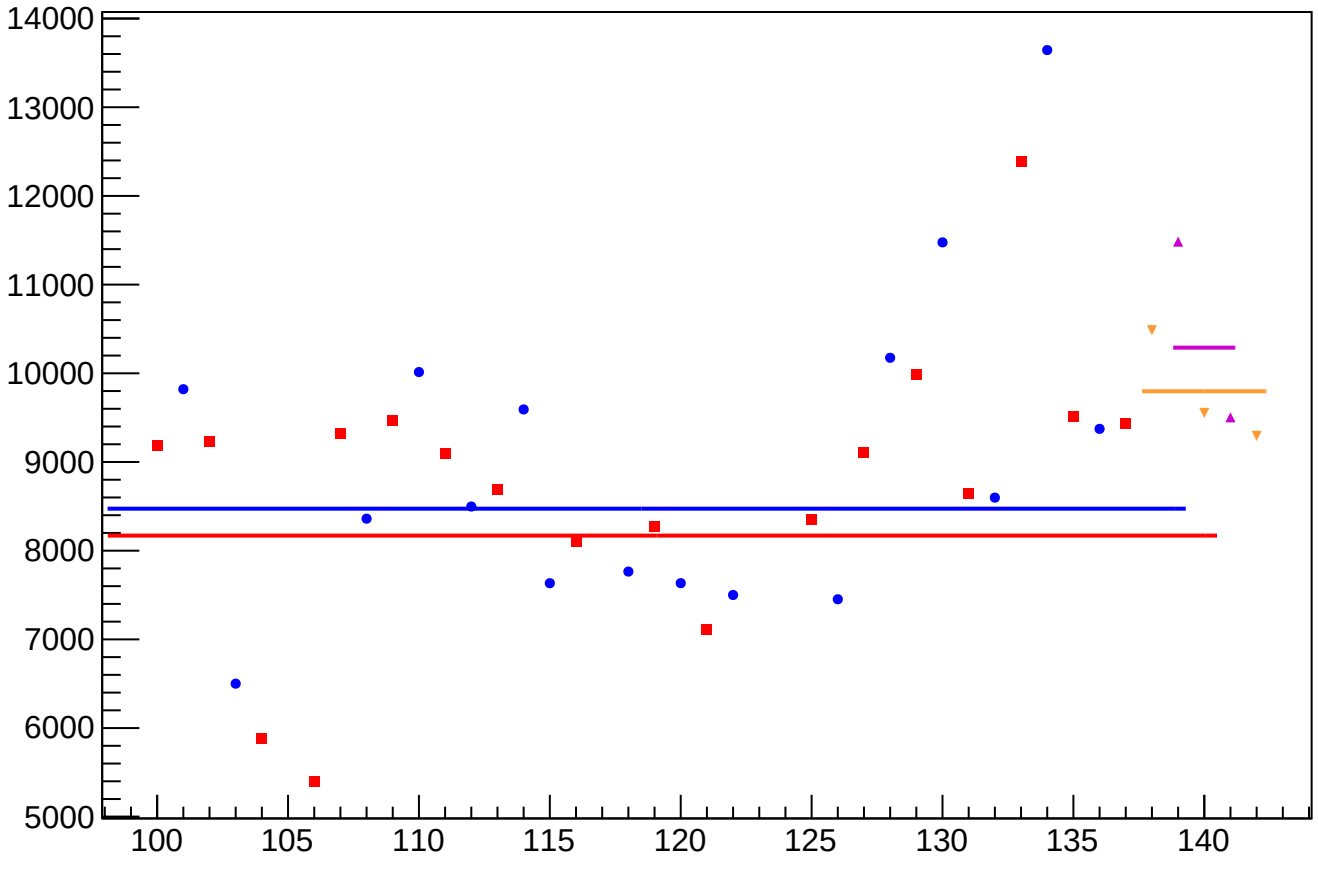
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 3537.347+/-7880.101 χ^2/NDF:0.1/1

\+ sign 31.428+/-2906.908 χ^2/NDF: 17.3/18

All: 419.899+/-2047.620 χ^2/NDF: 33.8/38

\- sign 802.474+/-2884.763 χ^2/NDF: 16.5/19



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9797.445+/-4.856 χ^2/NDF:10251.0/2

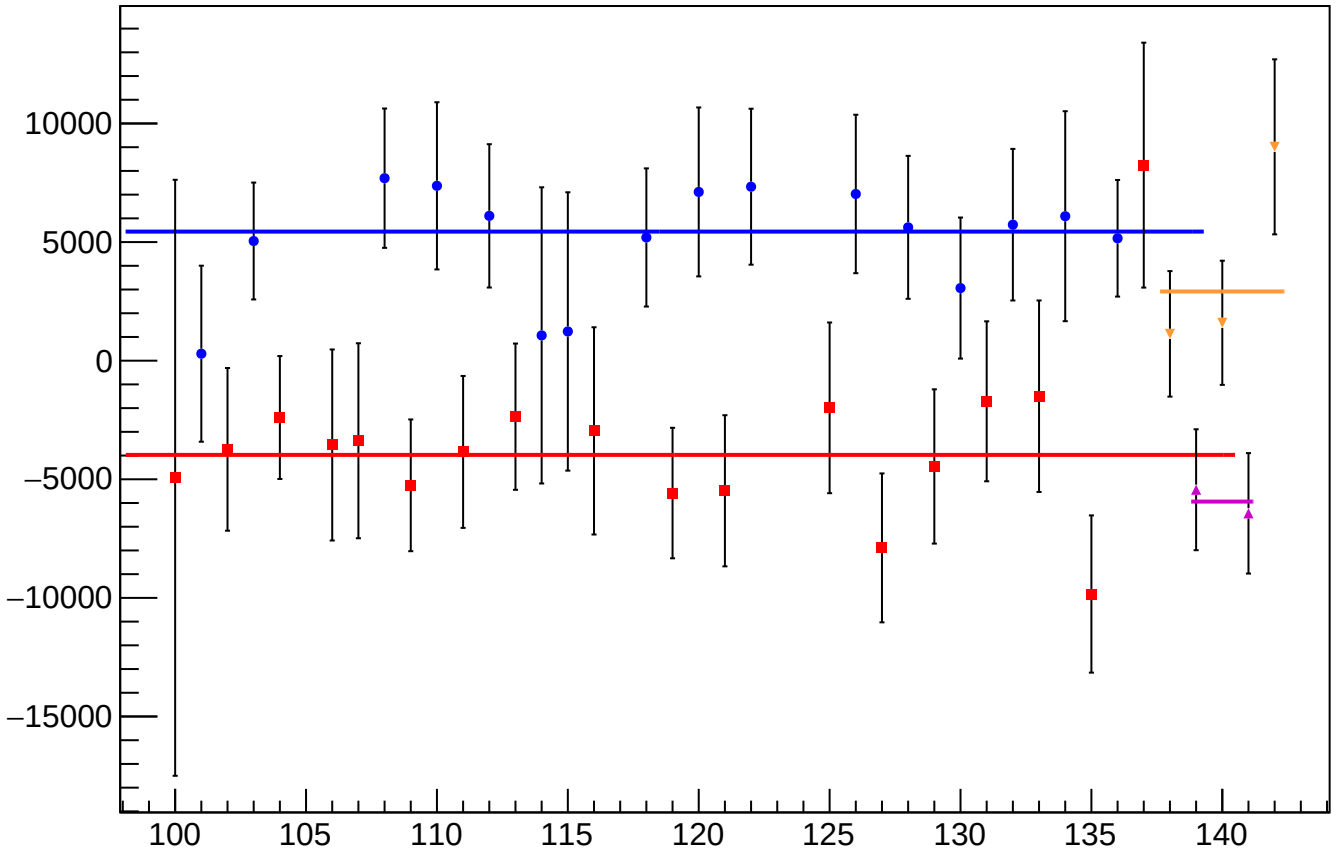
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10289.476+/-5.572 χ^2/NDF:30246.8/1

+ sign 8710.914+/-2.055 χ^2/NDF: 500789.9/18

All: 8581.508+/-1.448 χ^2/NDF: 1204121.0/38

- sign 8454.067+/-2.040 χ^2/NDF: 695464.3/19



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2917.078+/-1661.288 χ^2/NDF:3.4/2

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

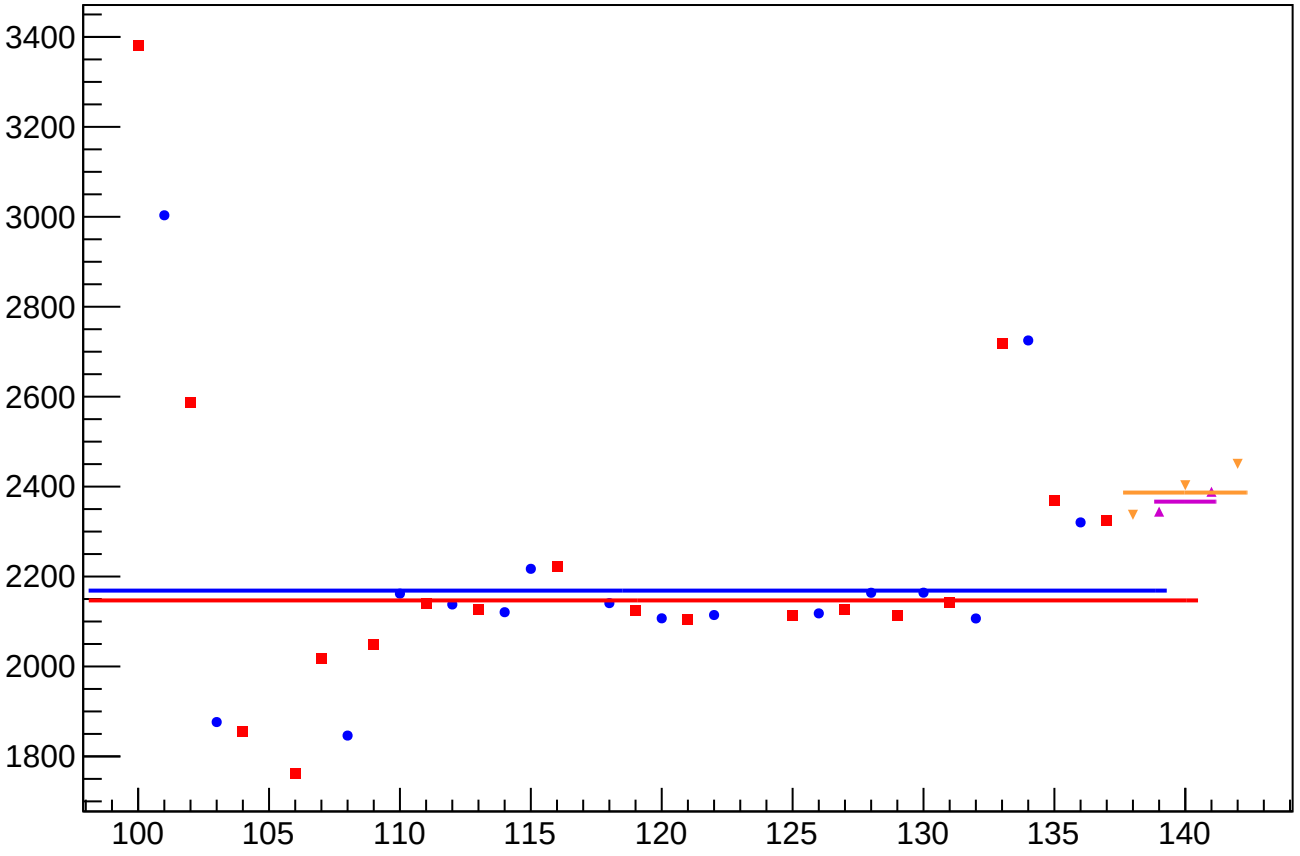
Left In: -5939.911+/-1799.067 χ^2/NDF:0.1/1

+ sign 4954.977+/-729.907 χ^2/NDF: 10.7/18

All: 376.305+/-518.908 χ^2/NDF: 104.3/38

- sign -4302.574+/-737.851 χ^2/NDF: 14.0/19

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: 2386.742+/-1.175 χ^2/NDF:1373.8/2

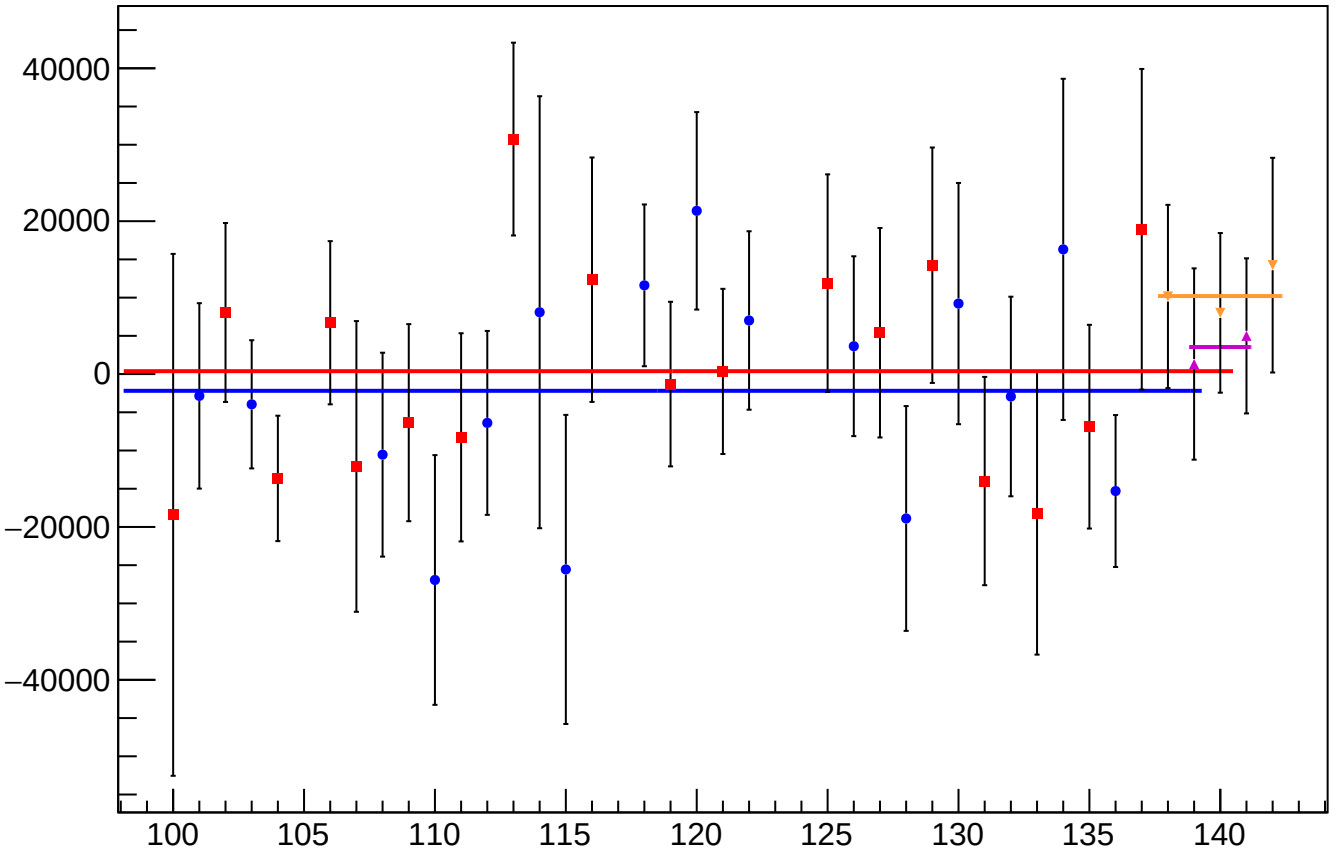
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2366.546+/-1.272 χ^2/NDF:301.7/1

+ sign 2210.803+/-0.516 χ^2/NDF: 224831.4/18

All: 2197.258+/-0.366 χ^2/NDF: 409111.6/38

- sign 2183.531+/-0.520 χ^2/NDF: 182893.4/19



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 10204.876+/-6867.456 χ^2/NDF:0.1/2

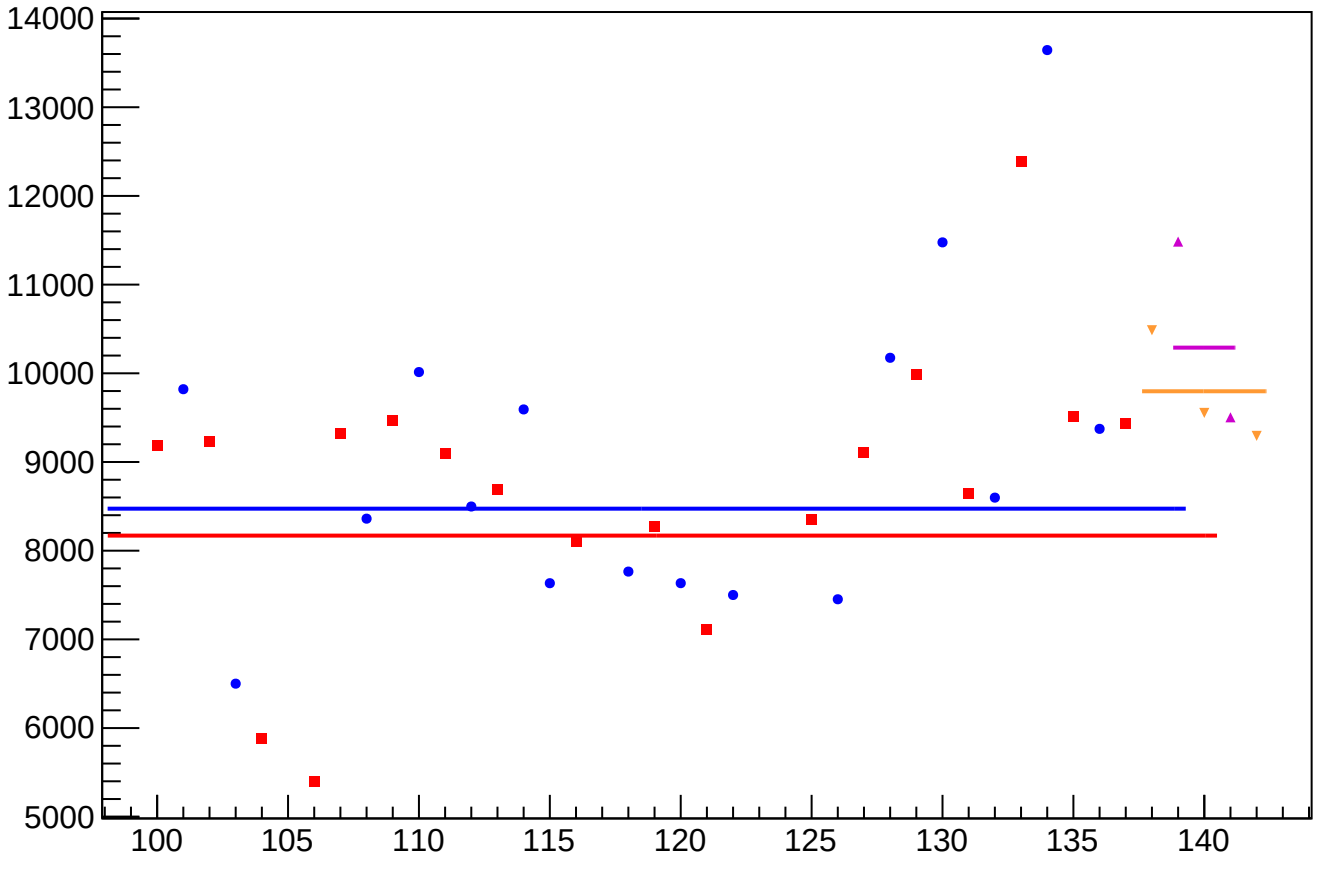
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 3537.347+/-7880.101 χ^2/NDF:0.1/1

+ sign 31.428+/-2906.908 χ^2/NDF: 17.3/18

All: 419.899+/-2047.620 χ^2/NDF: 33.8/38

- sign 802.474+/-2884.763 χ^2/NDF: 16.5/19



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9797.445+/-4.856 χ^2/NDF:10251.0/2

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

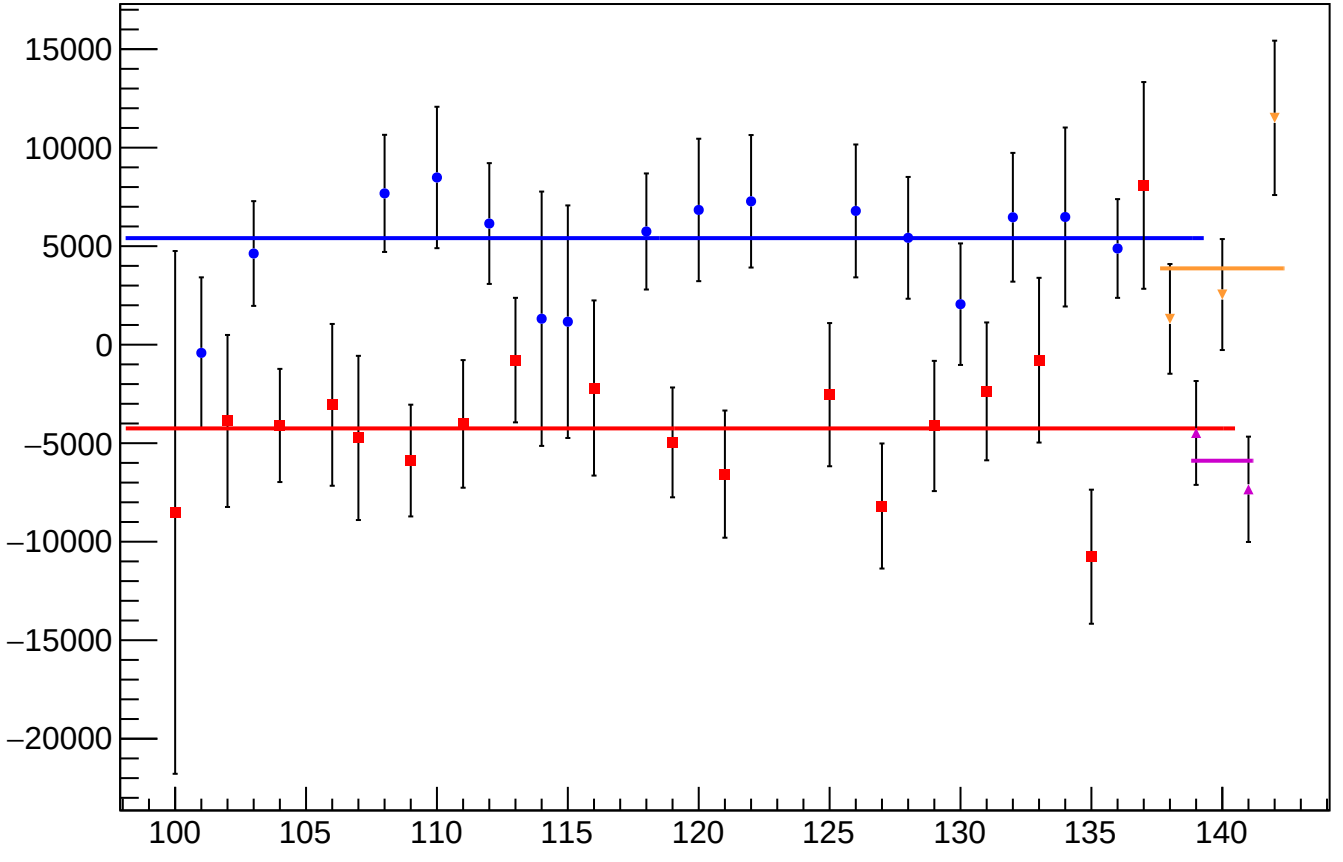
Left In: 10289.476+/-5.572 χ^2/NDF:30246.8/1

+ sign 8710.914+/-2.055 χ^2/NDF: 500789.9/18

All: 8581.508+/-1.448 χ^2/NDF: 1204121.0/38

- sign 8454.067+/-2.040 χ^2/NDF: 695464.3/19

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 3872.446+/-1767.245 χ^2/NDF:4.9/2

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

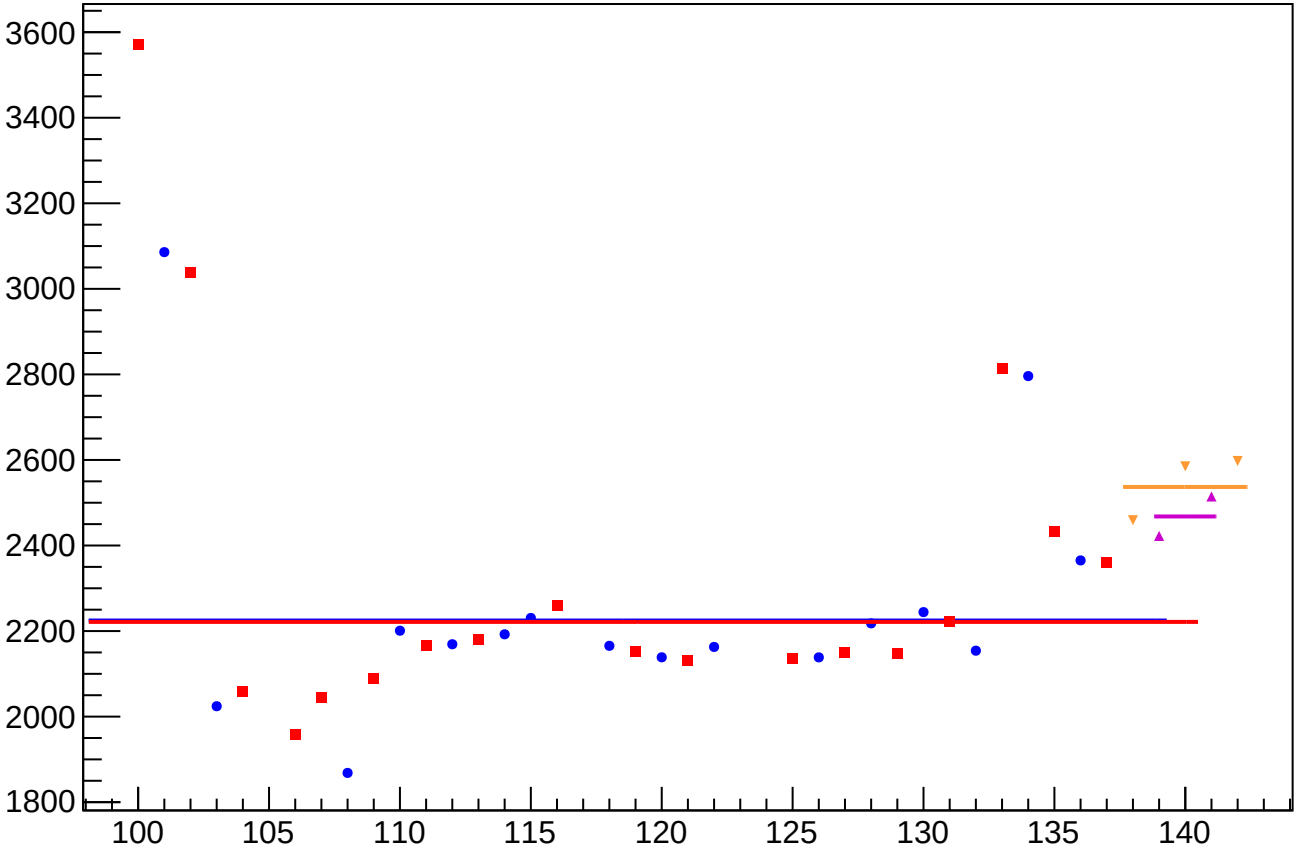
Left In: -5890.245+/-1876.875 χ^2/NDF:0.6/1

+ sign 5128.370+/-754.001 χ^2/NDF: 12.2/18

All: 380.054+/-537.423 χ^2/NDF: 108.5/38

- sign -4523.274+/-766.209 χ^2/NDF: 15.7/19

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2536.862+/-1.250 χ^2/NDF:2625.2/2

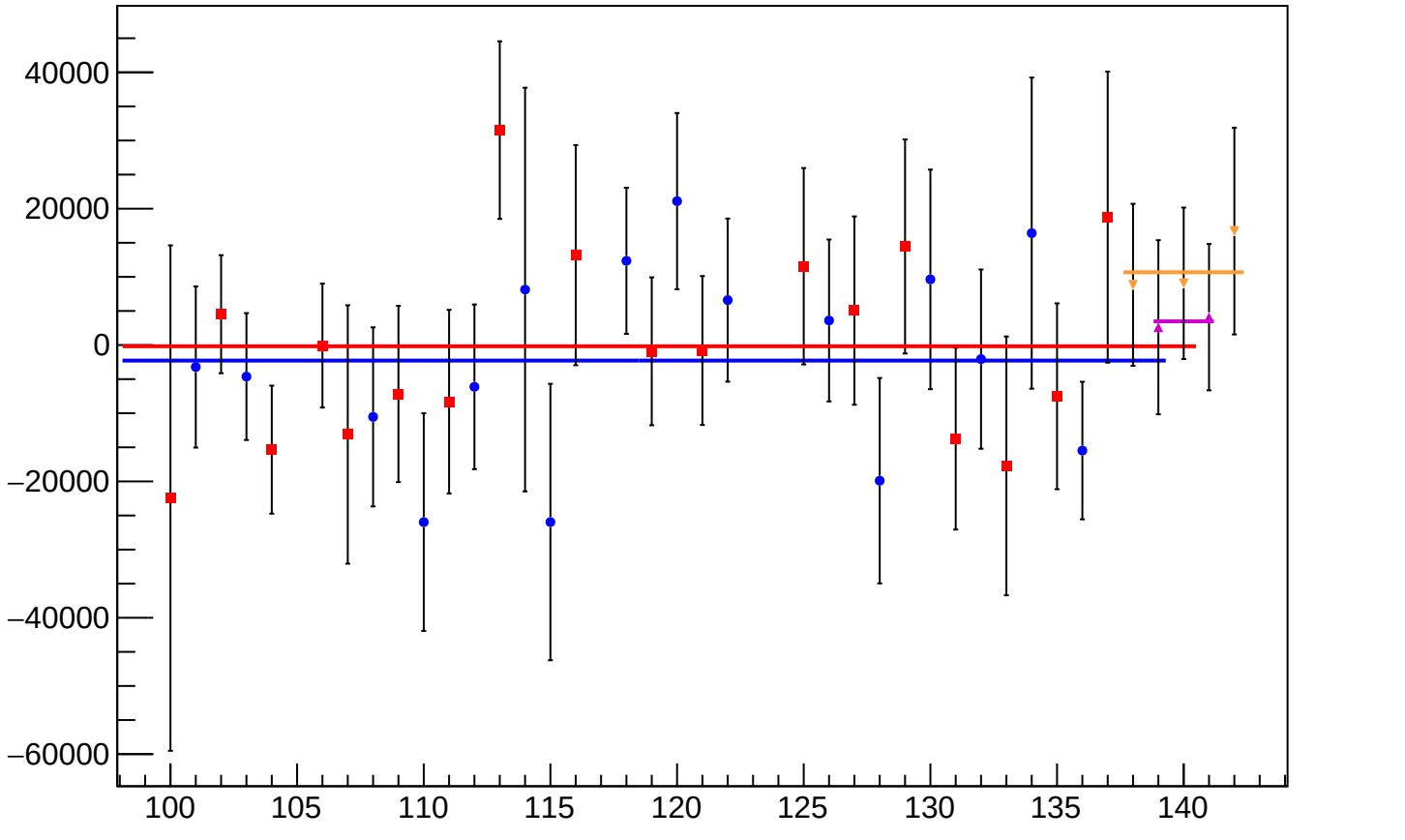
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2467.906+/-1.327 χ^2/NDF:1206.9/1

+ sign 2281.453+/-0.533 χ^2/NDF: 238375.8/18

All: 2272.105+/-0.380 χ^2/NDF: 438901.6/38

- sign 2262.461+/-0.542 χ^2/NDF: 199901.1/19



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 10677.887+/-7154.001 χ^2/NDF:0.2/2

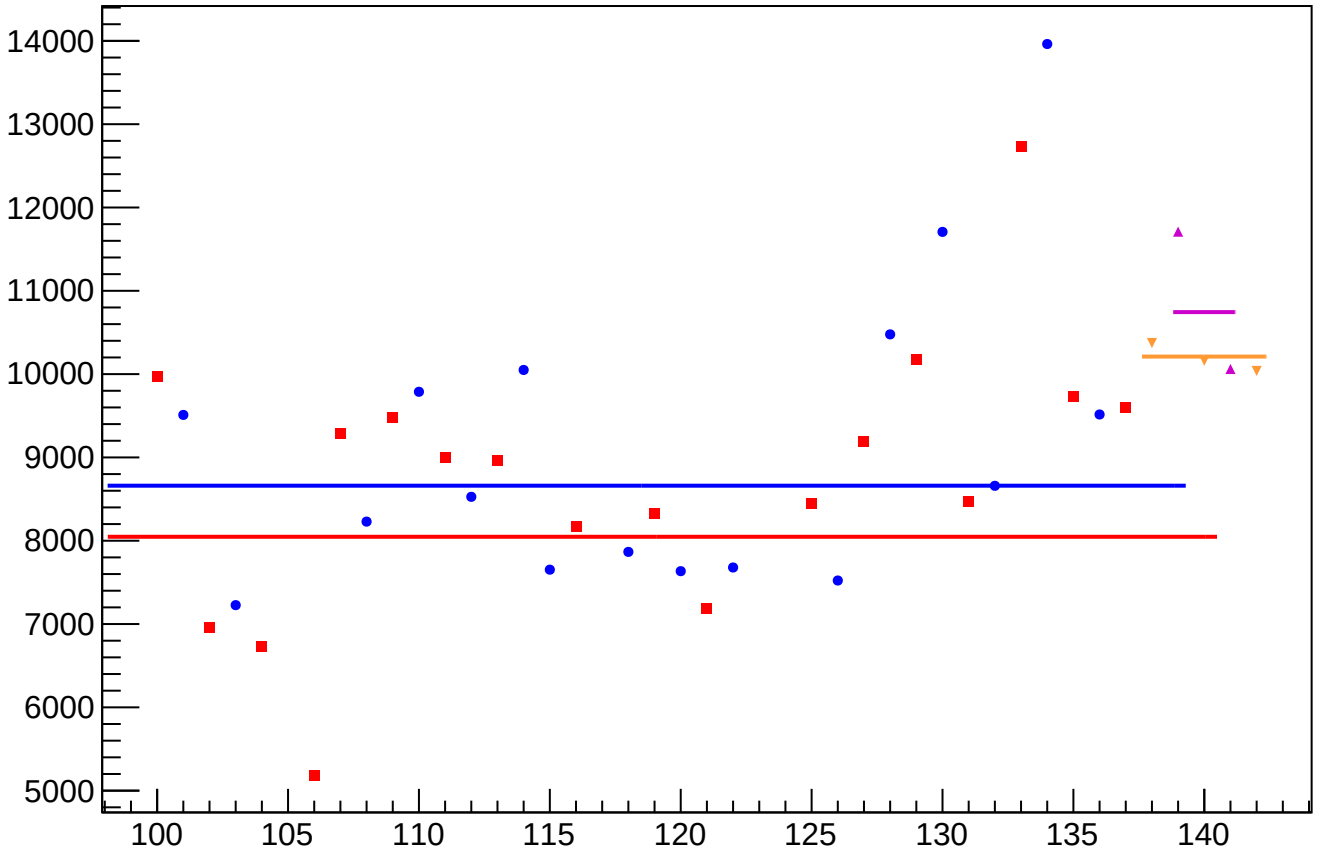
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 3478.895+/-8218.042 χ^2/NDF:0.0/1

+ sign -37.330+/-2975.361 χ^2/NDF: 17.4/18

All: 118.834+/-2057.144 χ^2/NDF: 33.2/38

- sign 261.850+/-2847.343 χ^2/NDF: 15.8/19



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10210.485+/-5.059 χ^2/NDF:673.9/2

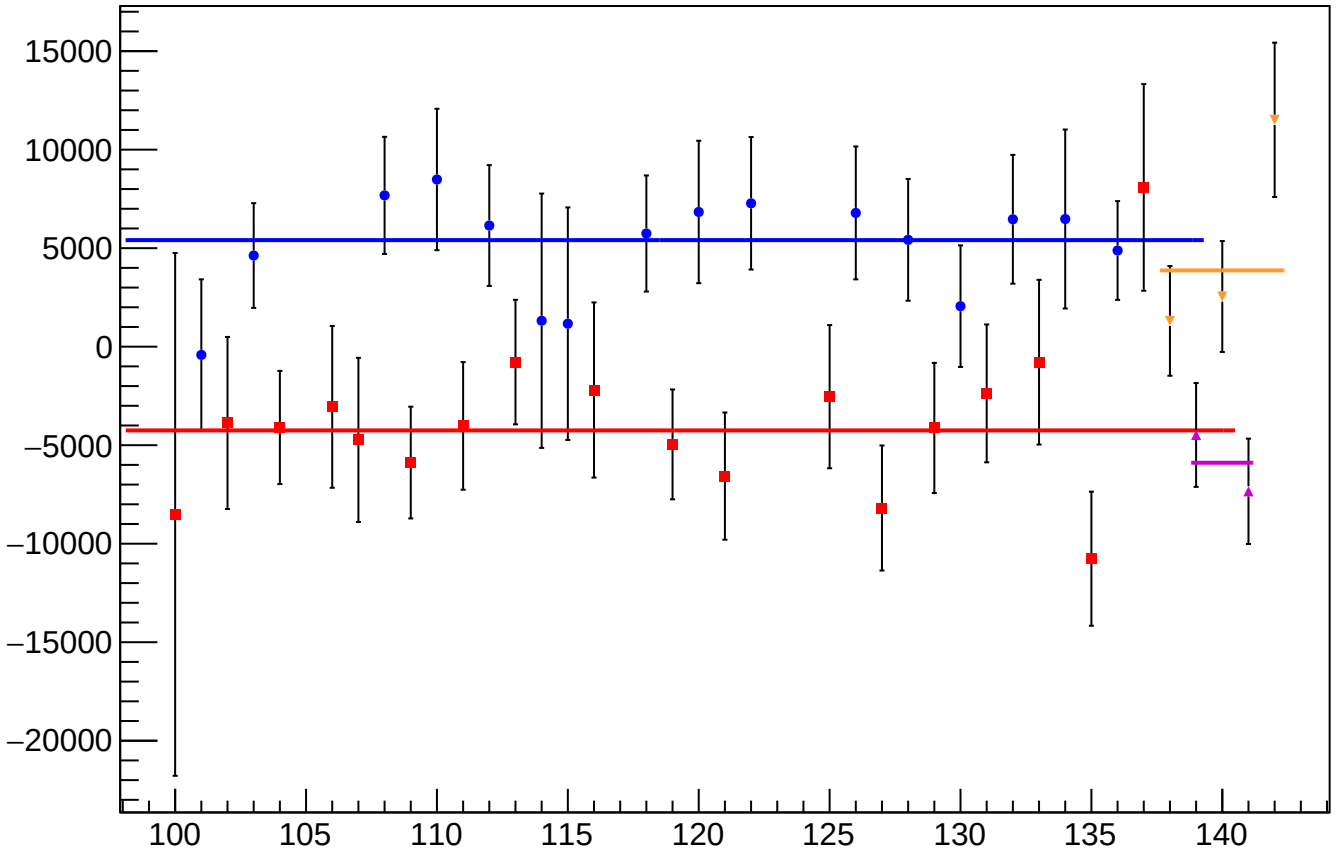
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10744.285+/-5.811 χ^2/NDF:19527.3/1

+ sign 8928.800+/-2.104 χ^2/NDF: 436256.2/18

All: 8637.746+/-1.455 χ^2/NDF: 1240529.5/38

- sign 8371.199+/-2.013 χ^2/NDF: 767608.8/19



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 3872.465+/-1767.246 χ^2/NDF:4.9/2

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

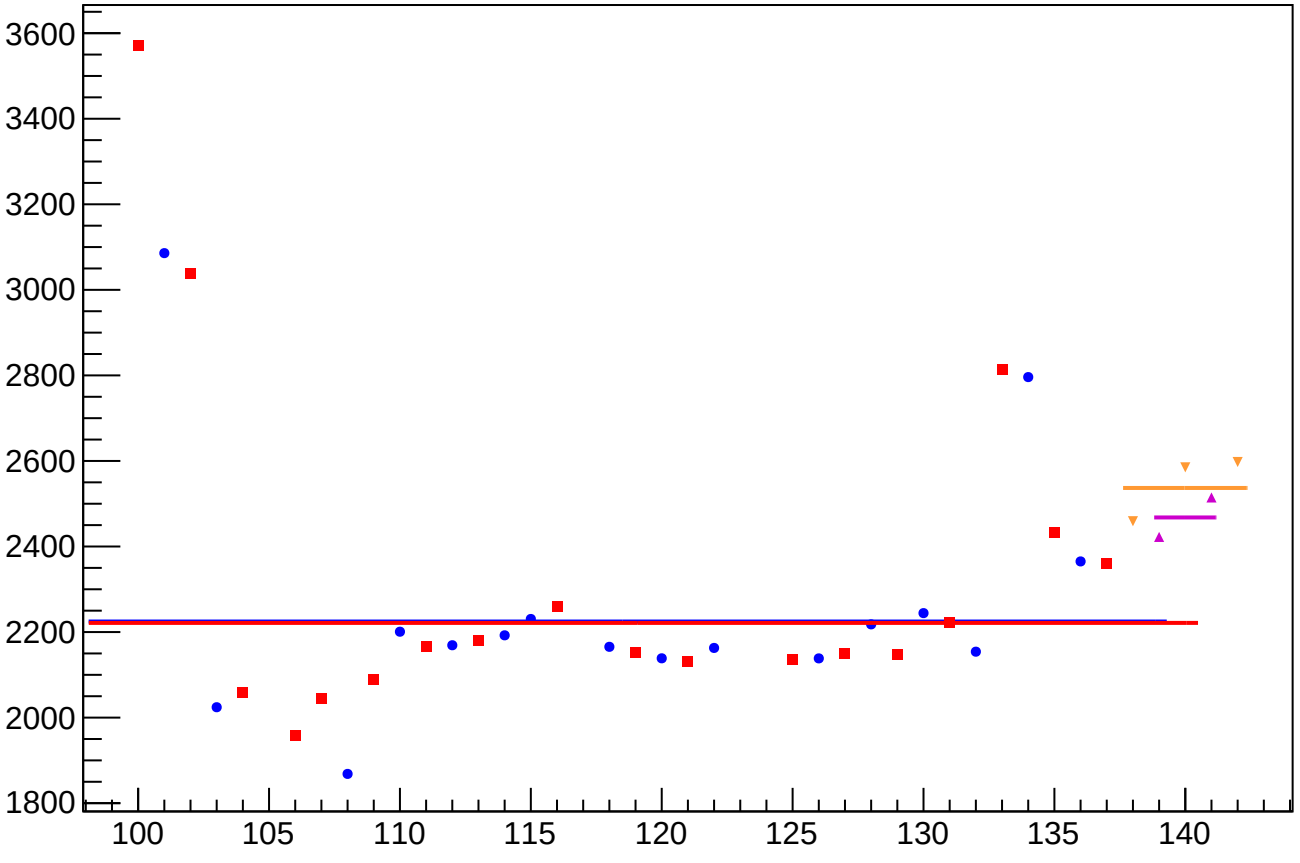
Left In: -5890.216+/-1876.877 χ^2/NDF:0.6/1

+ sign 5128.375+/-754.001 χ^2/NDF: 12.2/18

All: 380.057+/-537.423 χ^2/NDF: 108.5/38

- sign -4523.273+/-766.209 χ^2/NDF: 15.7/19

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: 2536.864+/-1.250 χ^2/NDF:2625.3/2

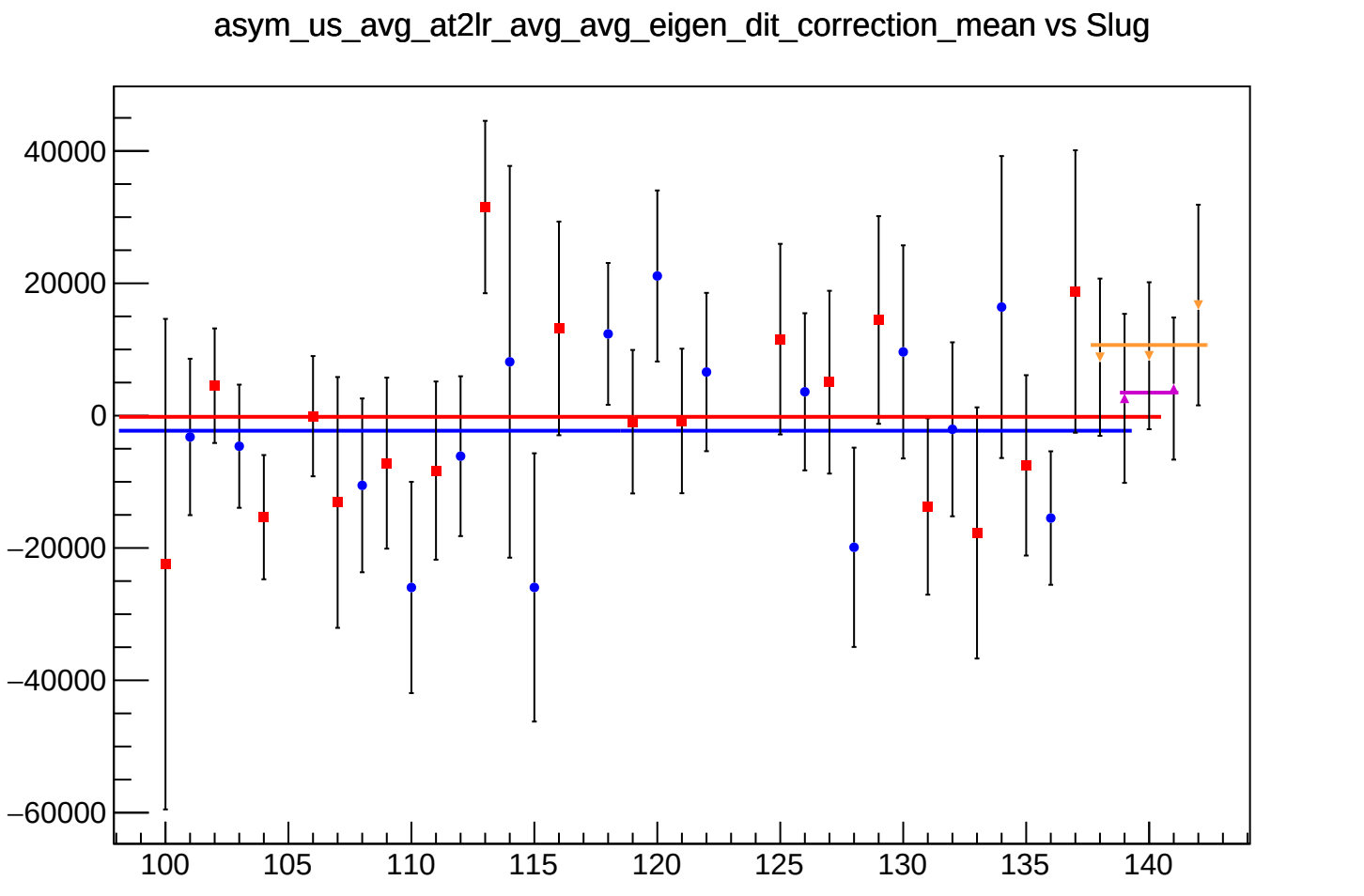
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2467.908+/-1.327 χ^2/NDF:1206.8/1

+ sign 2281.453+/-0.533 χ^2/NDF: 238377.0/18

All: 2272.104+/-0.380 χ^2/NDF: 438903.4/38

- sign 2262.461+/-0.542 χ^2/NDF: 199901.8/19



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 10677.920+/-7154.014 χ^2/NDF:0.2/2

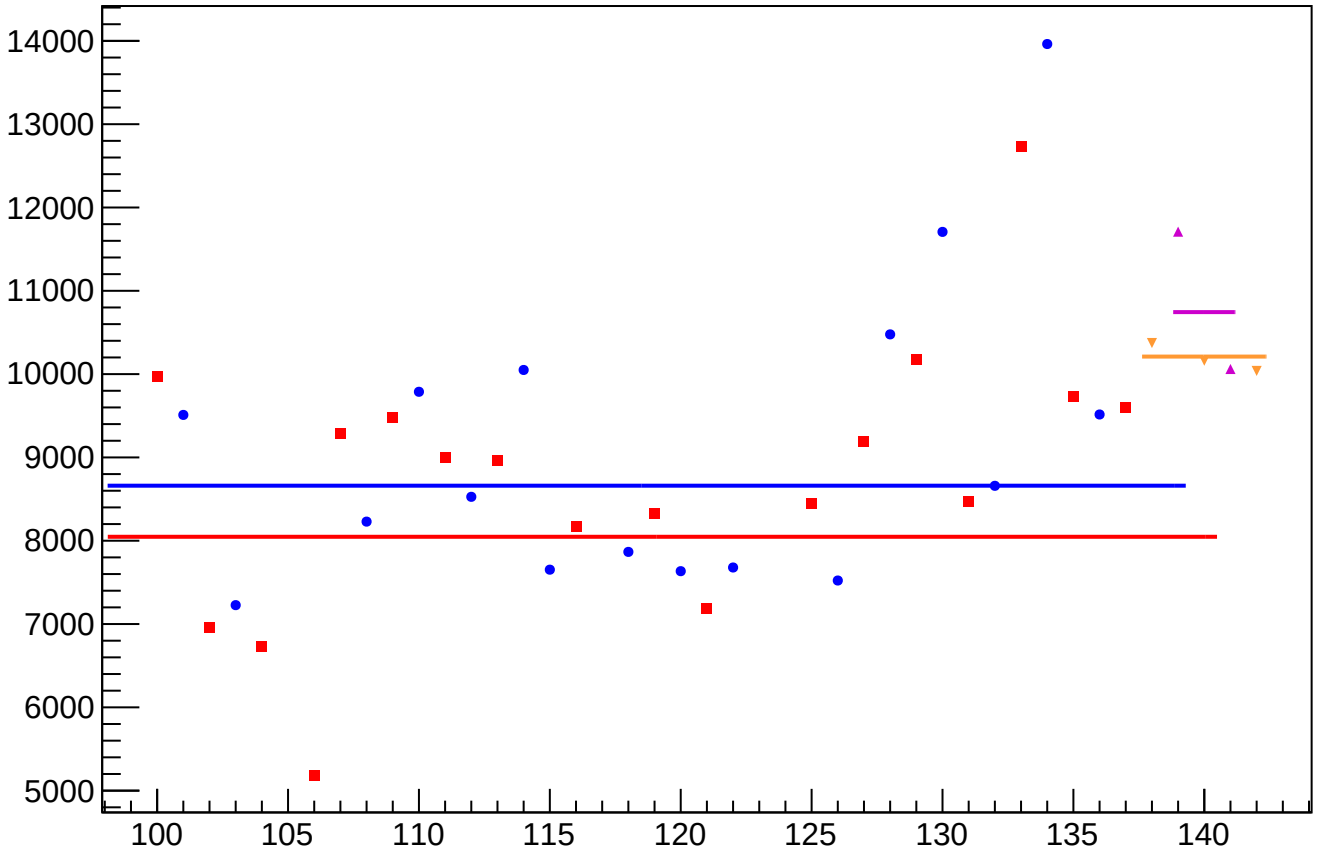
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 3478.919+/-8218.055 χ^2/NDF:0.0/1

+ sign -37.321+/-2975.356 χ^2/NDF: 17.4/18

All: 118.836+/-2057.141 χ^2/NDF: 33.2/38

- sign 261.845+/-2847.338 χ^2/NDF: 15.8/19



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10210.502+/-5.059 χ^2/NDF:673.9/2

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

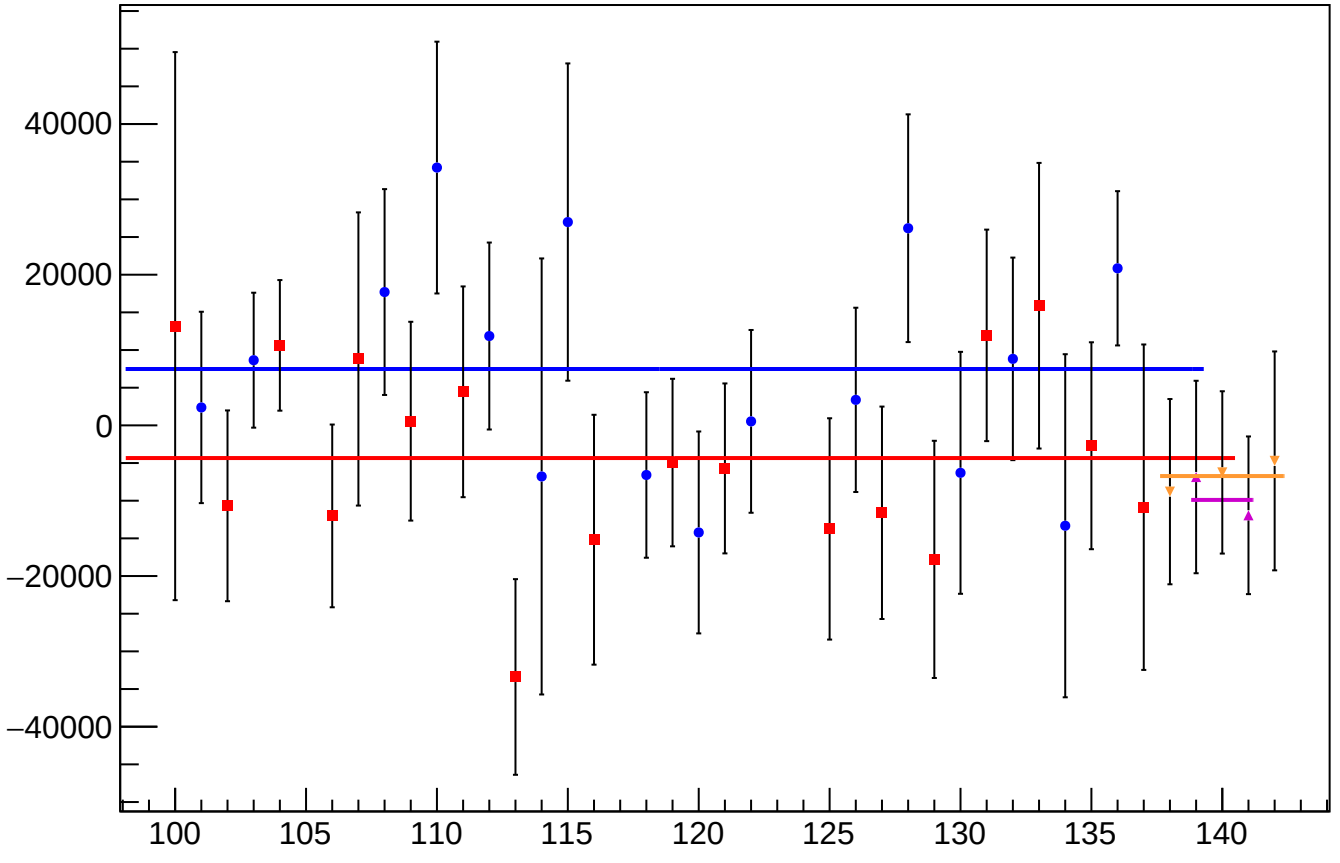
Left In: 10744.301+/-5.811 χ^2/NDF:19527.8/1

+ sign 8928.783+/-2.104 χ^2/NDF: 436262.1/18

All: 8637.730+/-1.455 χ^2/NDF: 1240538.7/38

- sign 8371.184+/-2.013 χ^2/NDF: 767611.9/19

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -6728.205+/-7077.115 χ^2/NDF:0.0/2

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

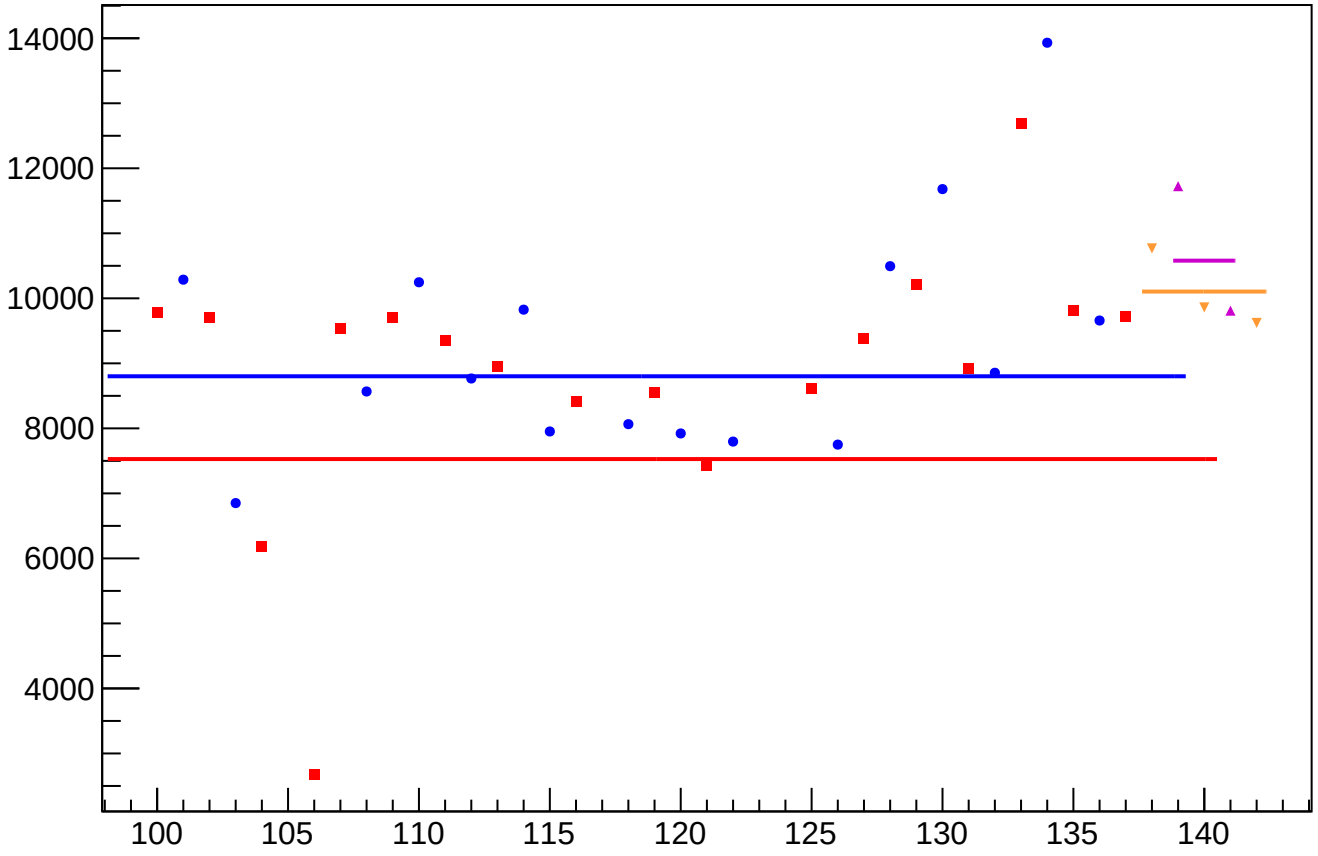
Left In: -9895.639+/-8095.759 χ^2/NDF:0.1/1

+ sign 4904.814+/-3013.791 χ^2/NDF: 17.4/18

All: -106.893+/-2129.781 χ^2/NDF: 37.7/38

- sign -5106.476+/-3010.144 χ^2/NDF: 14.8/19

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10104.271+/-5.004 χ^2/NDF:9061.5/2

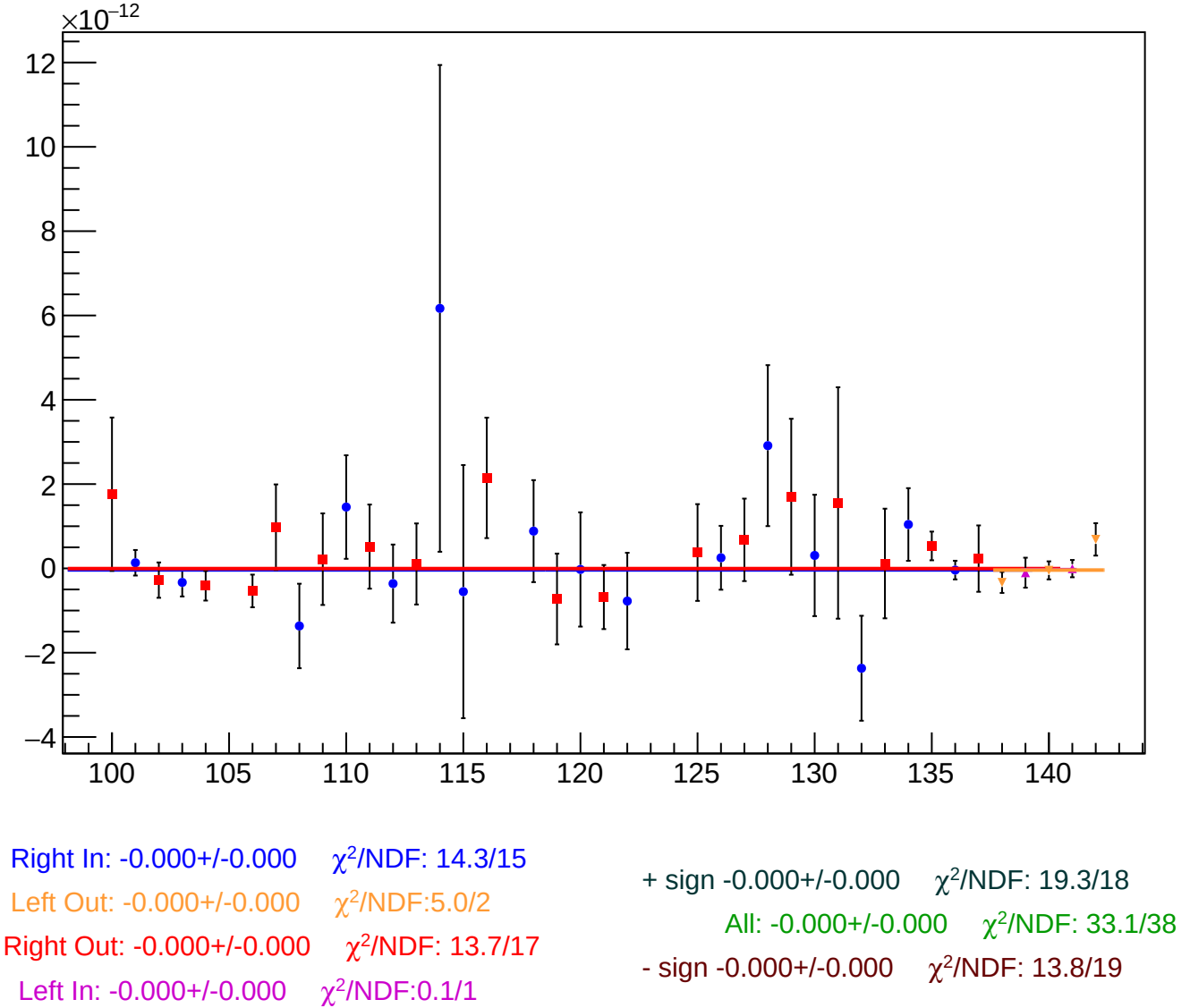
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

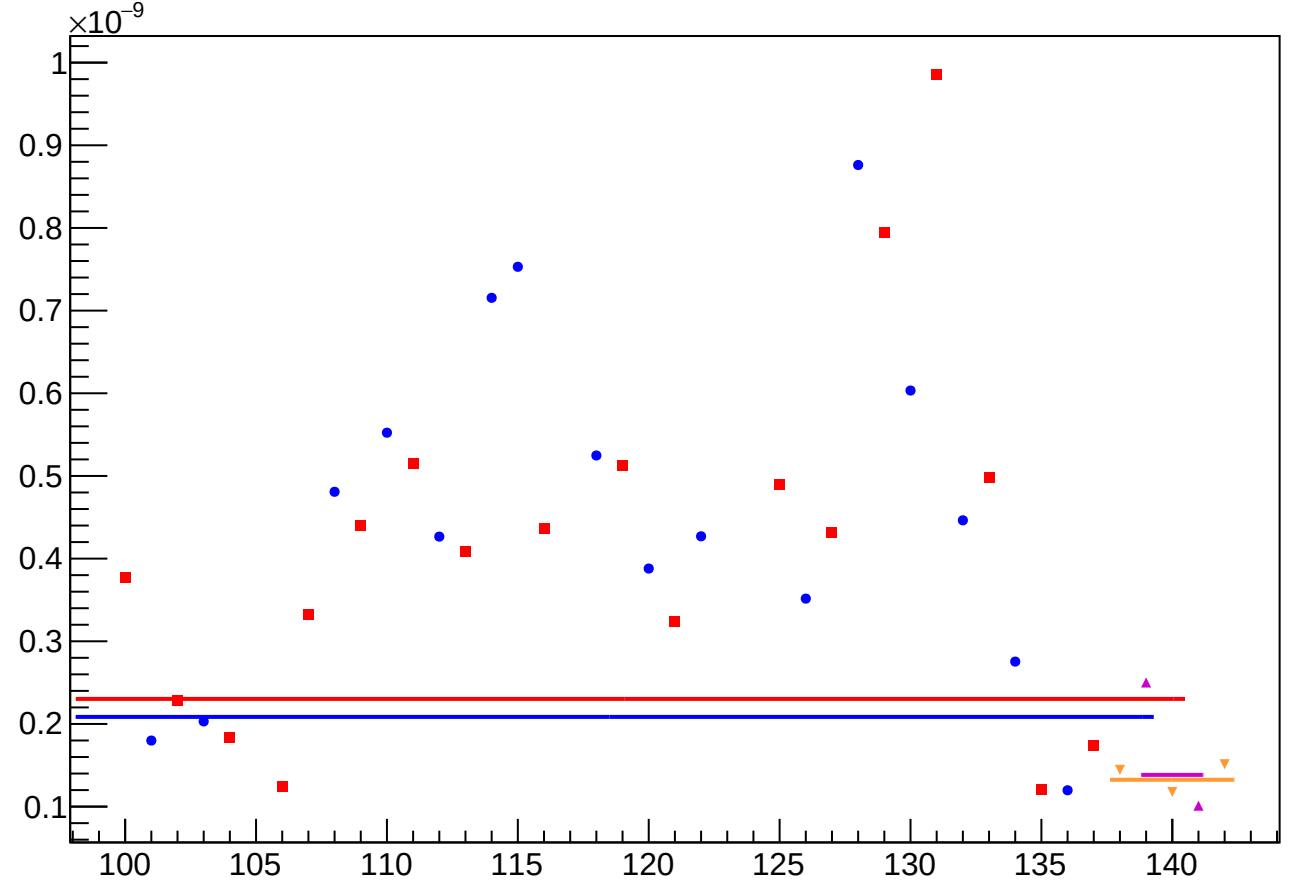
Left In: 10579.421+/-5.725 χ^2/NDF:26891.3/1

+ sign 9037.403+/-2.131 χ^2/NDF: 459155.2/18

All: 8430.355+/-1.456 χ^2/NDF: 2545257.0/38

- sign 7898.392+/-1.995 χ^2/NDF: 1933849.7/19


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: -0.000+/-0.000 χ²/NDF:5.0/2
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/17
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
+ sign -0.000+/-0.000 χ²/NDF: 19.3/18
All: -0.000+/-0.000 χ²/NDF: 33.1/38
- sign -0.000+/-0.000 χ²/NDF: 13.8/19



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18944.6/2

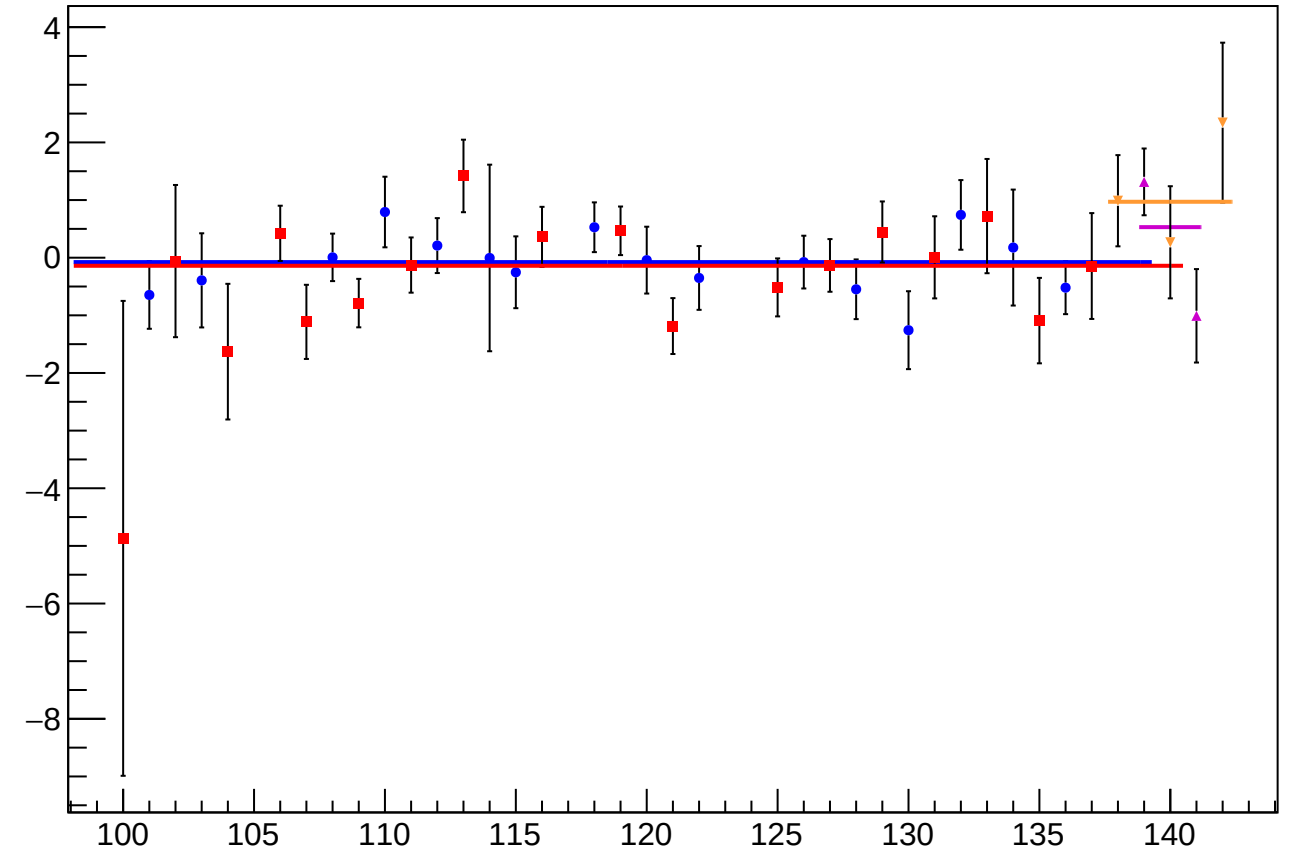
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:264024.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 1924138.7/18

All: 0.000+/-0.000 χ^2/NDF: 4076788.0/38

- sign 0.000+/-0.000 χ^2/NDF: 2127192.1/19



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.970+/-0.561 χ^2/NDF:1.5/2

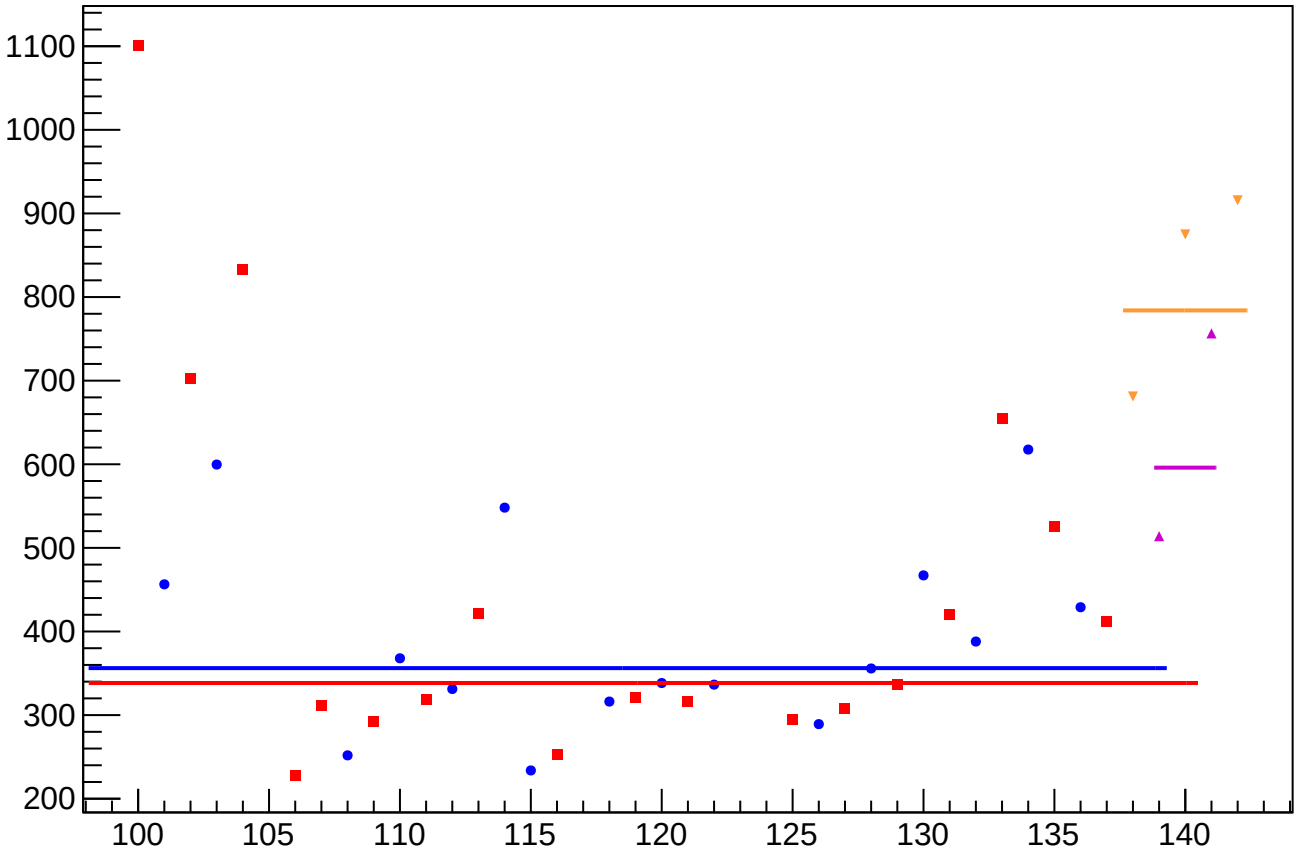
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.530+/-0.471 χ^2/NDF:5.4/1

+ sign -0.015+/-0.136 χ^2/NDF: 17.3/18

All: -0.052+/-0.095 χ^2/NDF: 51.7/38

- sign -0.087+/-0.132 χ^2/NDF: 34.3/19



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 784.039+/-0.397 χ^2/NDF:69348.4/2

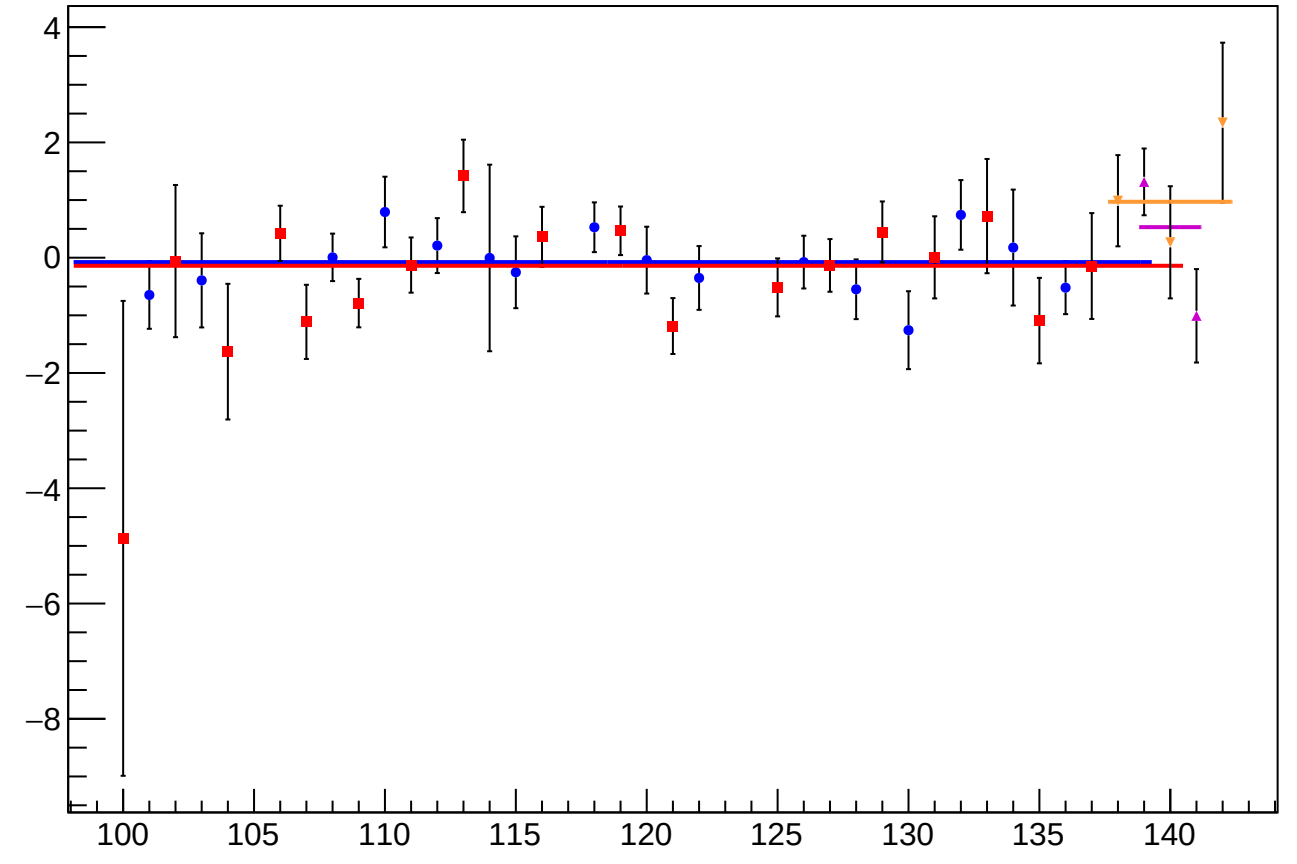
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 595.952+/-0.333 χ^2/NDF:118507.2/1

+ sign 381.213+/-0.096 χ^2/NDF: 1948462.9/18

All: 369.700+/-0.067 χ^2/NDF: 3848592.5/38

- sign 358.747+/-0.094 χ^2/NDF: 1872058.9/19



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.970+/-0.561 χ^2/NDF:1.5/2

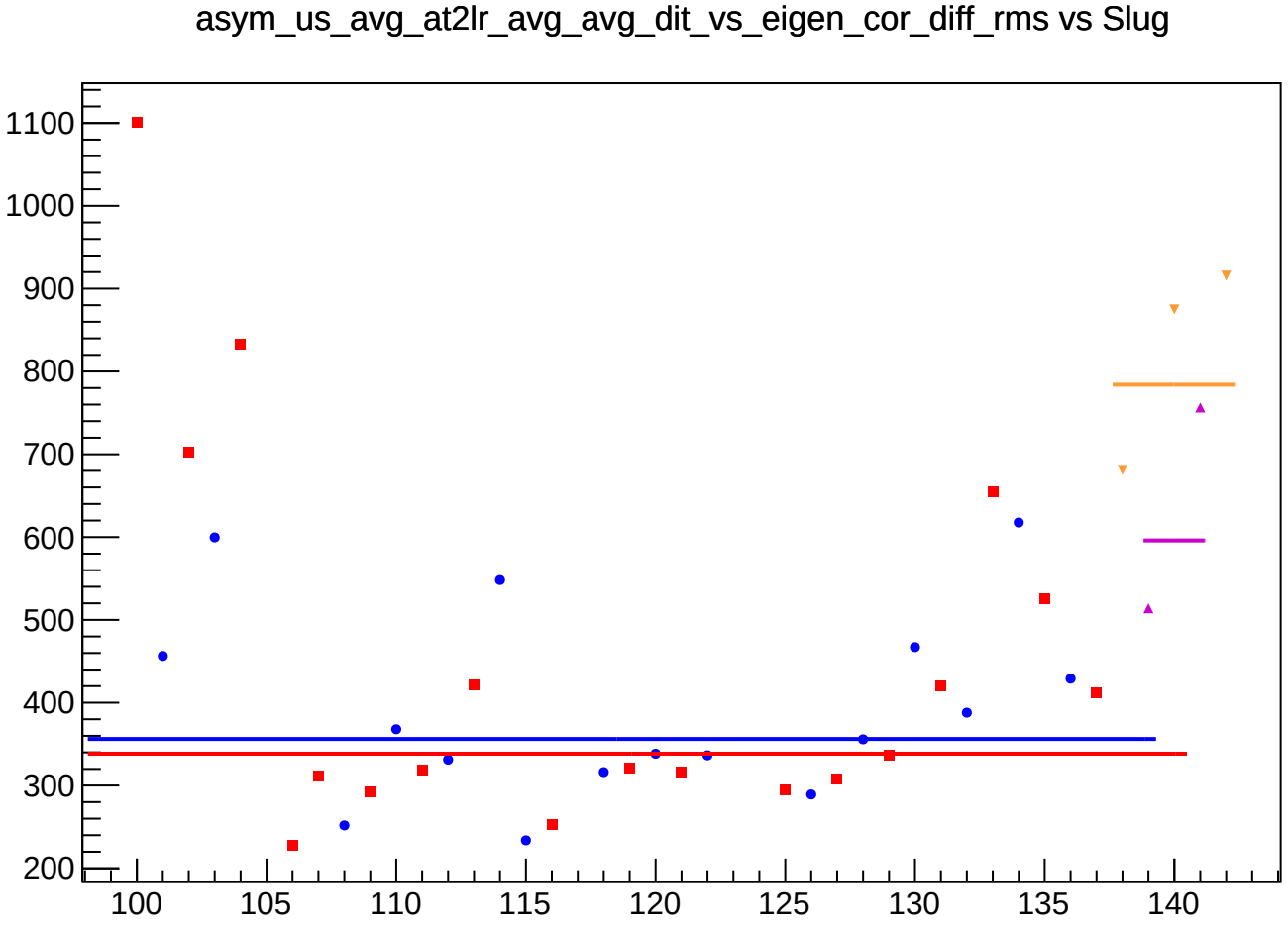
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.530+/-0.471 χ^2/NDF:5.4/1

+ sign -0.015+/-0.136 χ^2/NDF: 17.3/18

All: -0.052+/-0.095 χ^2/NDF: 51.7/38

- sign -0.087+/-0.132 χ^2/NDF: 34.3/19



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 784.039+/-0.397 χ^2/NDF:69348.4/2

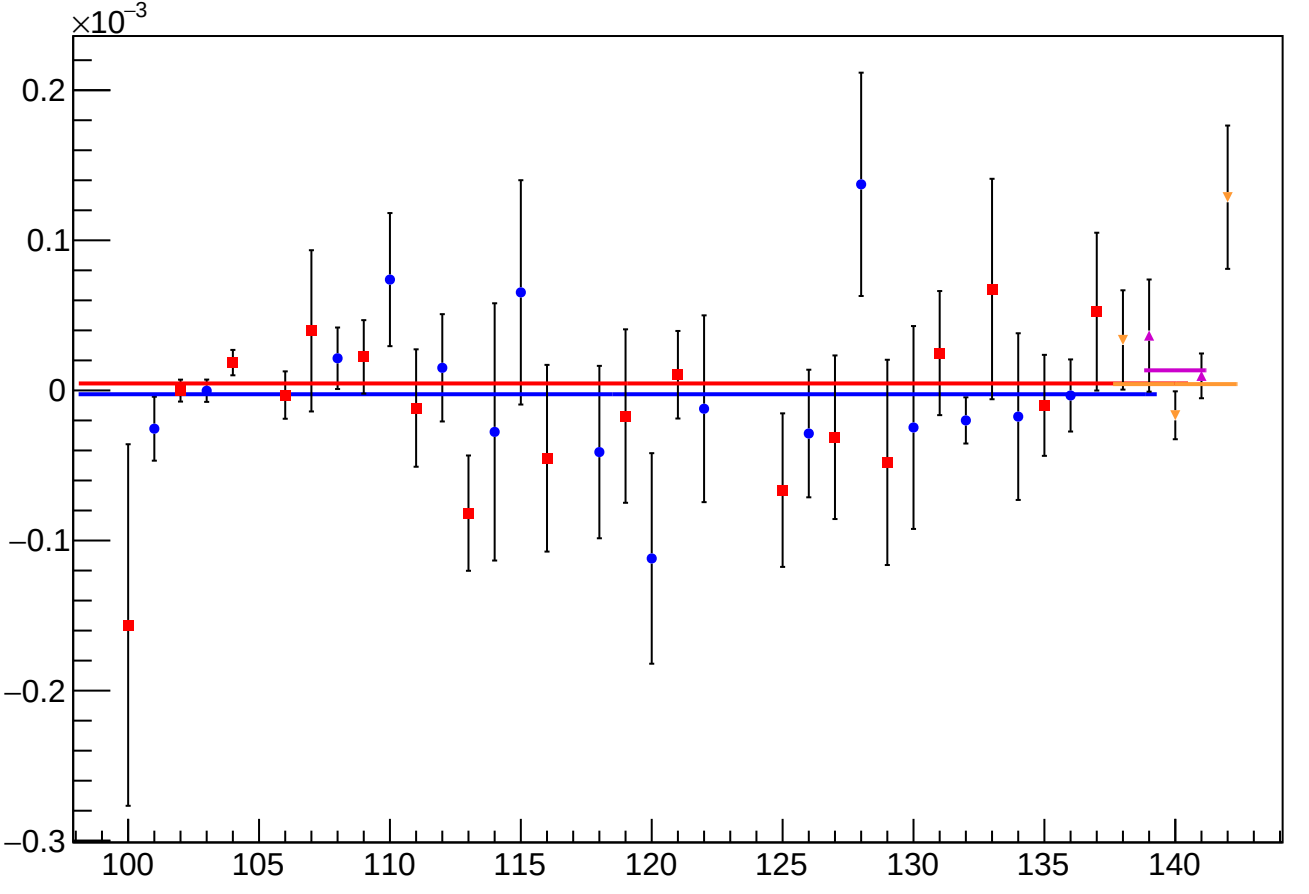
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 595.952+/-0.333 χ^2/NDF:118507.2/1

+ sign 381.213+/-0.096 χ^2/NDF: 1948462.9/18

All: 369.700+/-0.067 χ^2/NDF: 3848592.5/38

- sign 358.747+/-0.094 χ^2/NDF: 1872058.9/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/2

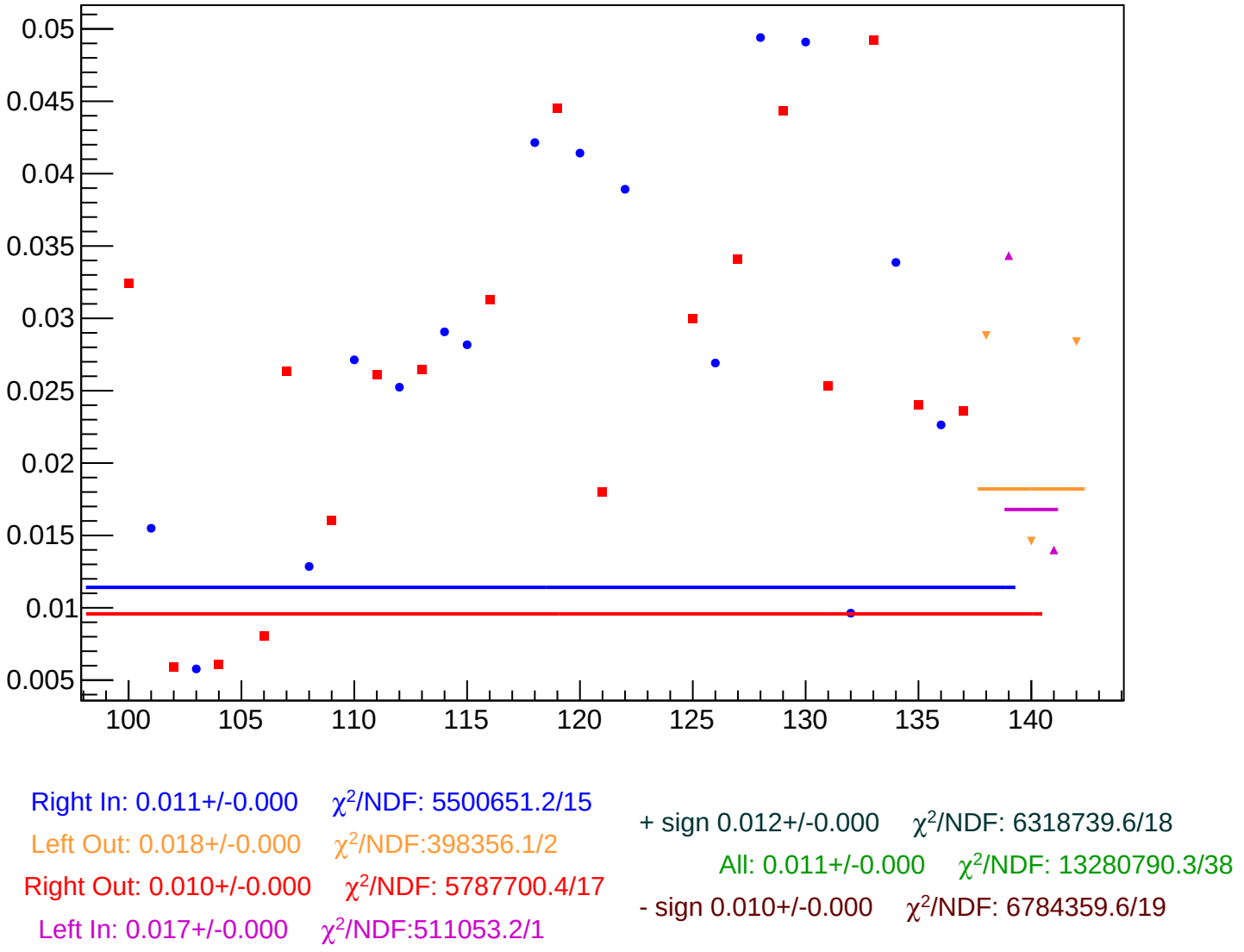
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

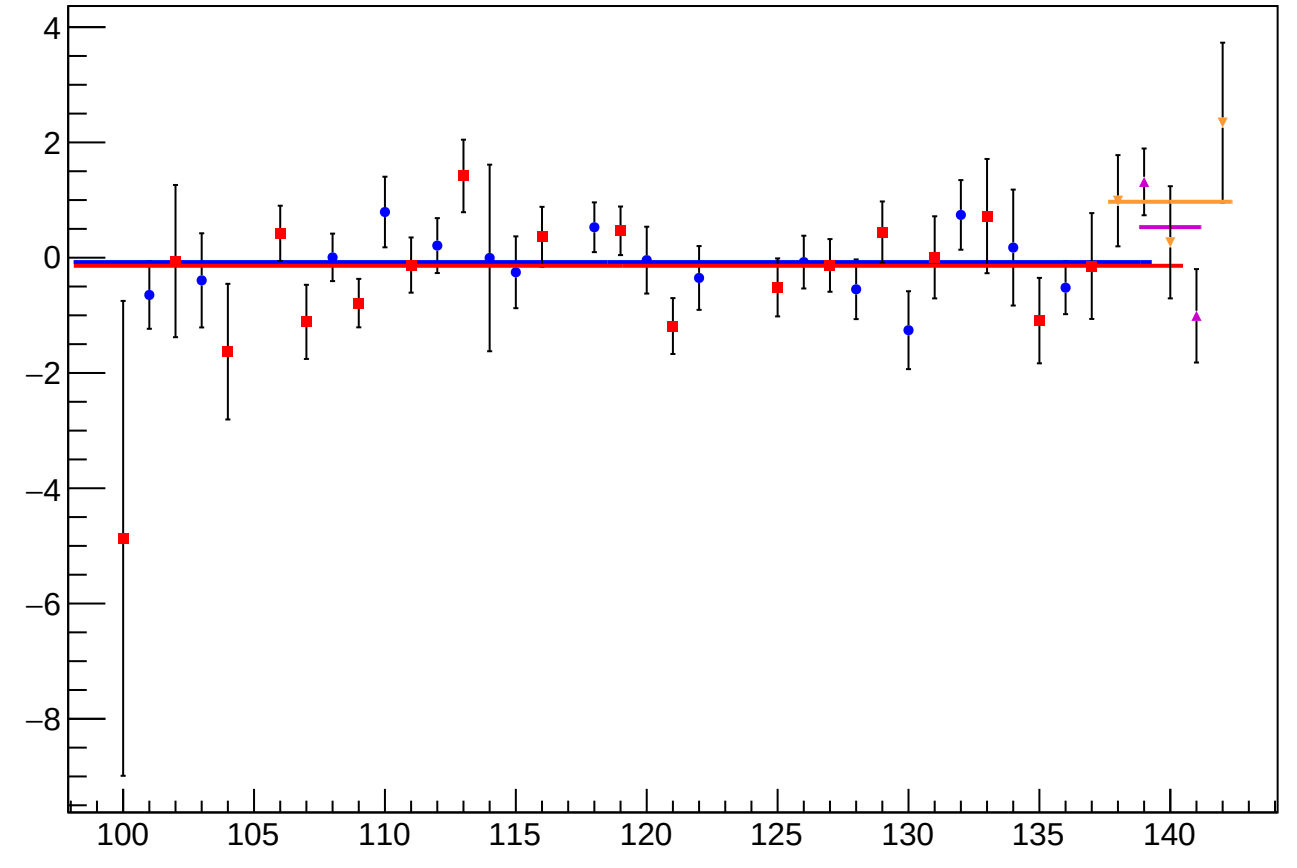
Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/18

All: 0.000+/-0.000 χ^2/NDF: 43.5/38

- sign 0.000+/-0.000 χ^2/NDF: 17.9/19


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
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.018+/-0.000 χ²/NDF:398356.1/2
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.017+/-0.000 χ²/NDF:511053.2/1
+ sign 0.012+/-0.000 χ²/NDF: 6318739.6/18
All: 0.011+/-0.000 χ²/NDF: 13280790.3/38
- sign 0.010+/-0.000 χ²/NDF: 6784359.6/19



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.970+/-0.561 χ^2/NDF:1.5/2

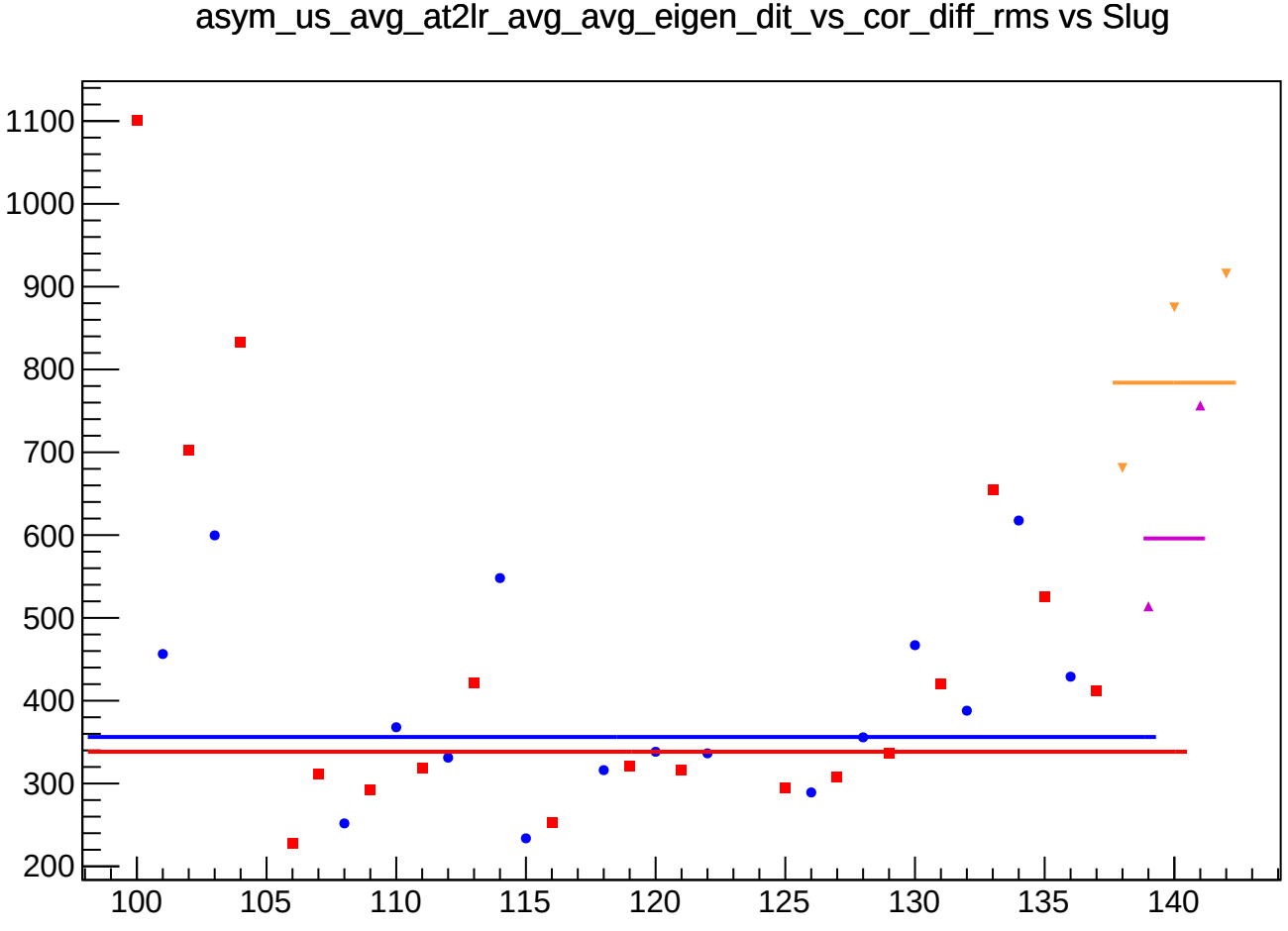
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.530+/-0.471 χ^2/NDF:5.4/1

+ sign -0.015+/-0.136 χ^2/NDF: 17.3/18

All: -0.052+/-0.095 χ^2/NDF: 51.7/38

- sign -0.087+/-0.132 χ^2/NDF: 34.3/19



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 784.046+/-0.397 χ^2/NDF:69348.6/2

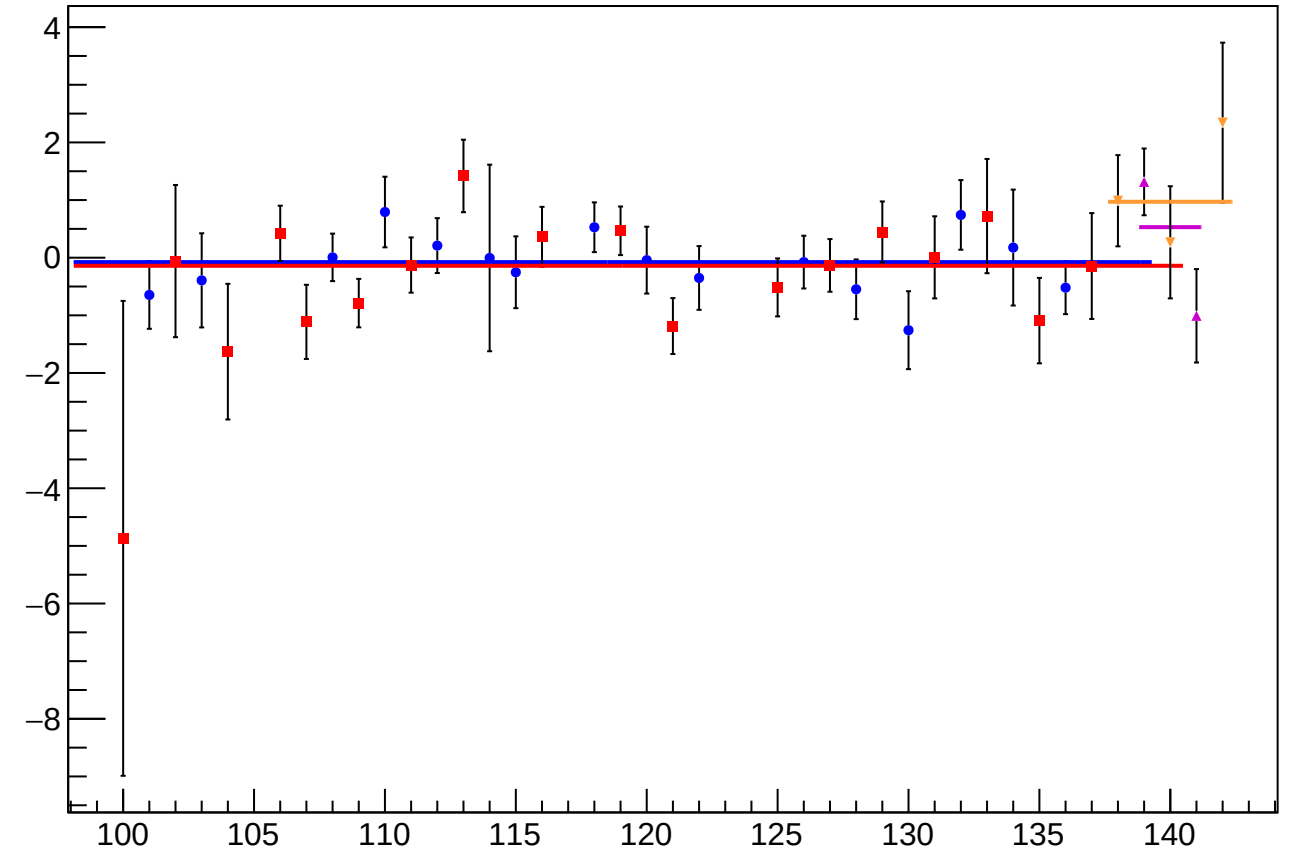
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 595.963+/-0.333 χ^2/NDF:118497.3/1

+ sign 381.211+/-0.096 χ^2/NDF: 1948456.4/18

All: 369.698+/-0.067 χ^2/NDF: 3848595.7/38

- sign 358.745+/-0.094 χ^2/NDF: 1872067.4/19



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.970+/-0.561 χ^2/NDF:1.5/2

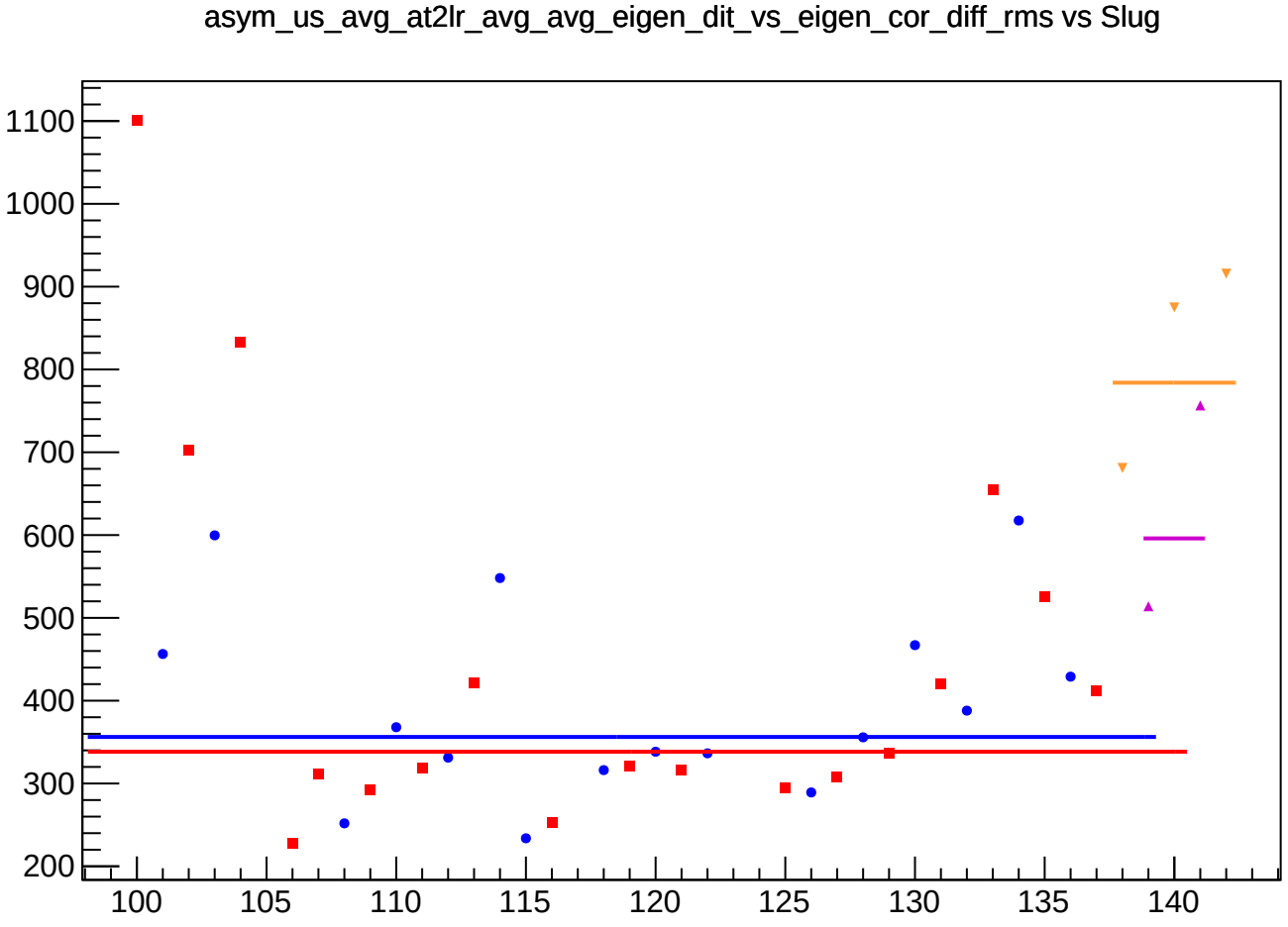
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.530+/-0.471 χ^2/NDF:5.4/1

+ sign -0.015+/-0.136 χ^2/NDF: 17.3/18

All: -0.052+/-0.095 χ^2/NDF: 51.7/38

- sign -0.087+/-0.132 χ^2/NDF: 34.3/19



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 784.046+/-0.397 χ^2/NDF:69348.6/2

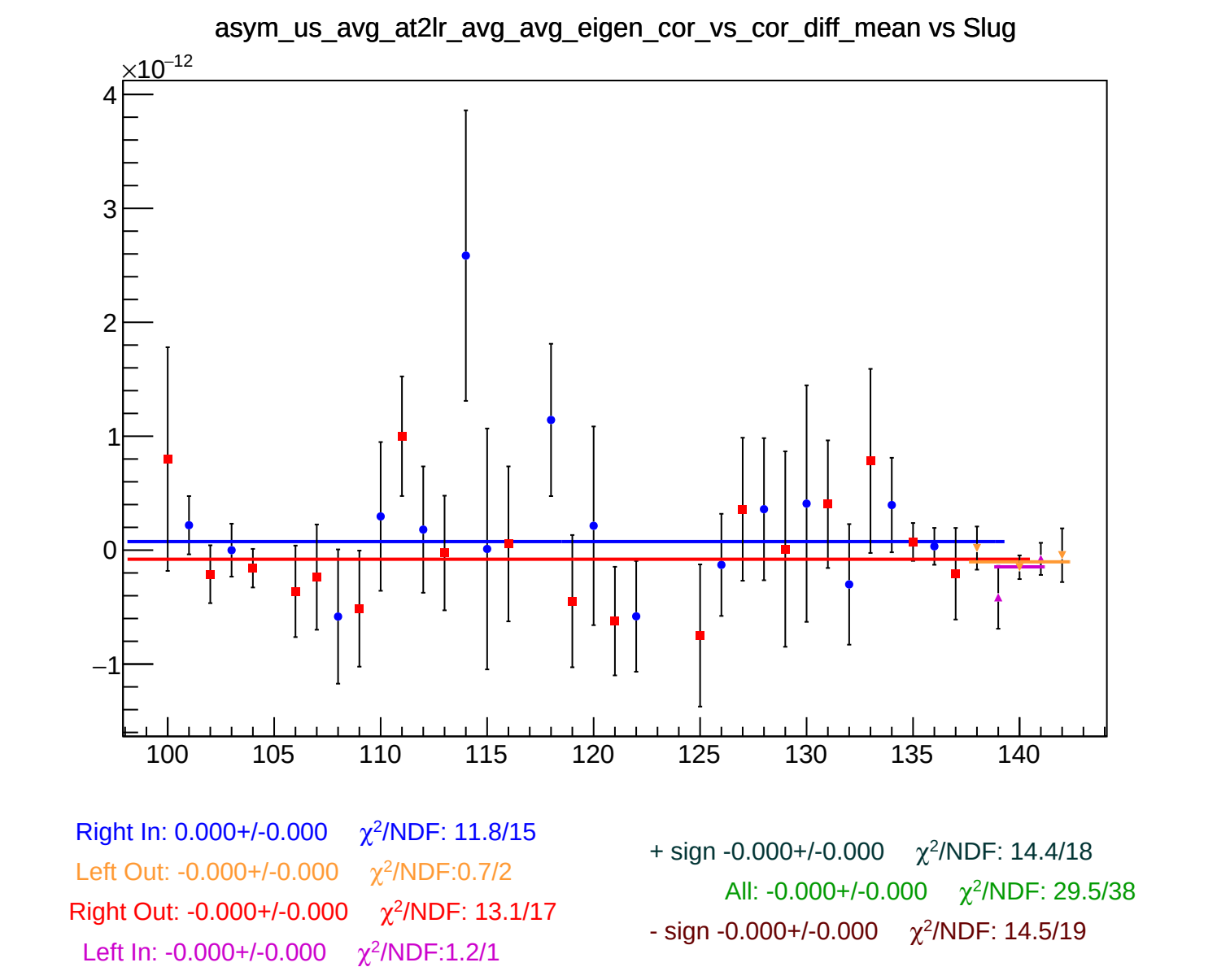
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

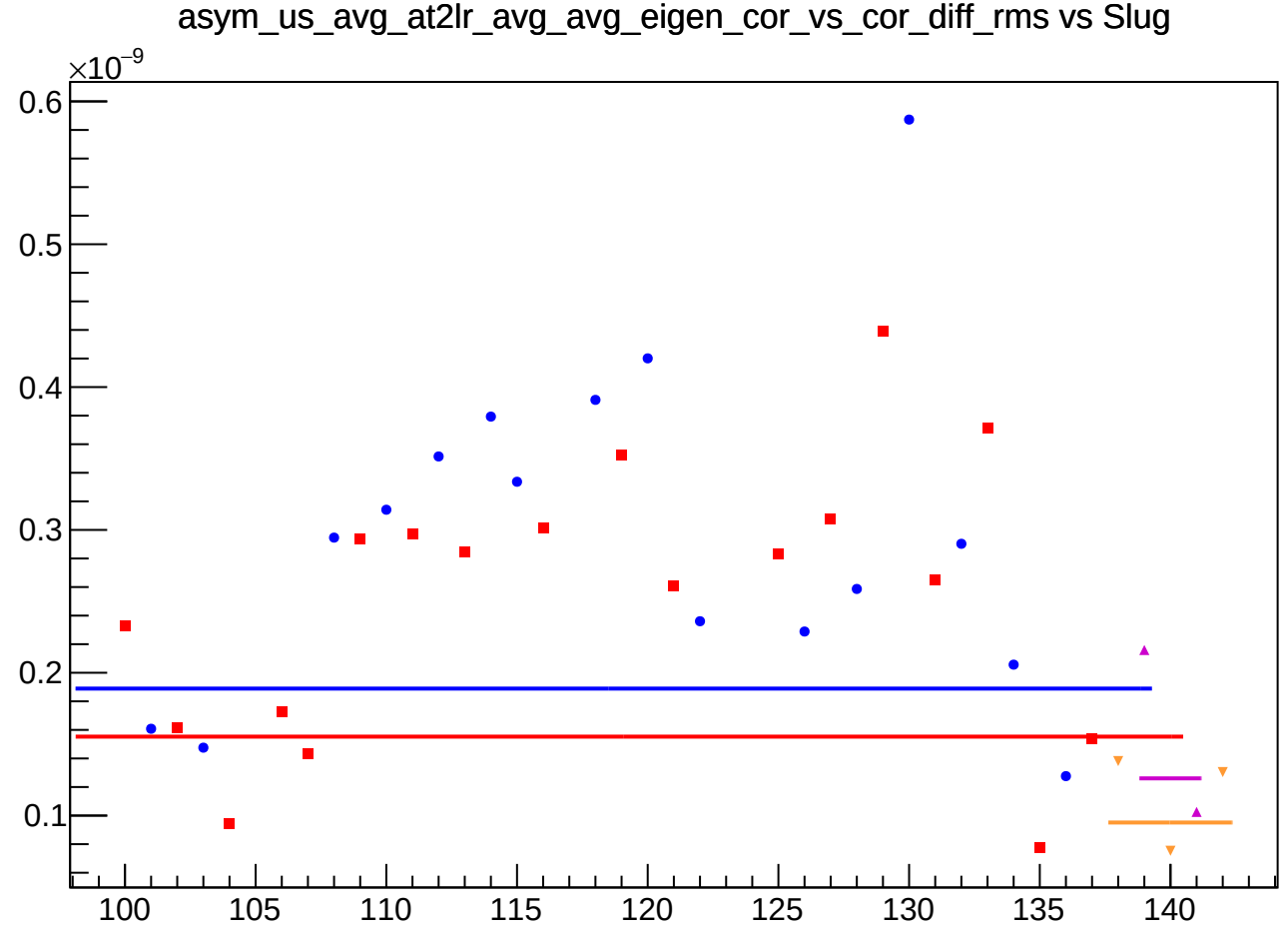
Left In: 595.963+/-0.333 χ^2/NDF:118497.3/1

+ sign 381.211+/-0.096 χ^2/NDF: 1948456.4/18

All: 369.698+/-0.067 χ^2/NDF: 3848595.7/38

- sign 358.745+/-0.094 χ^2/NDF: 1872067.4/19


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:0.7/2
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: -0.000+/-0.000 χ²/NDF:1.2/1
+ sign -0.000+/-0.000 χ²/NDF: 14.4/18
All: -0.000+/-0.000 χ²/NDF: 29.5/38
- sign -0.000+/-0.000 χ²/NDF: 14.5/19



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:220461.2/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

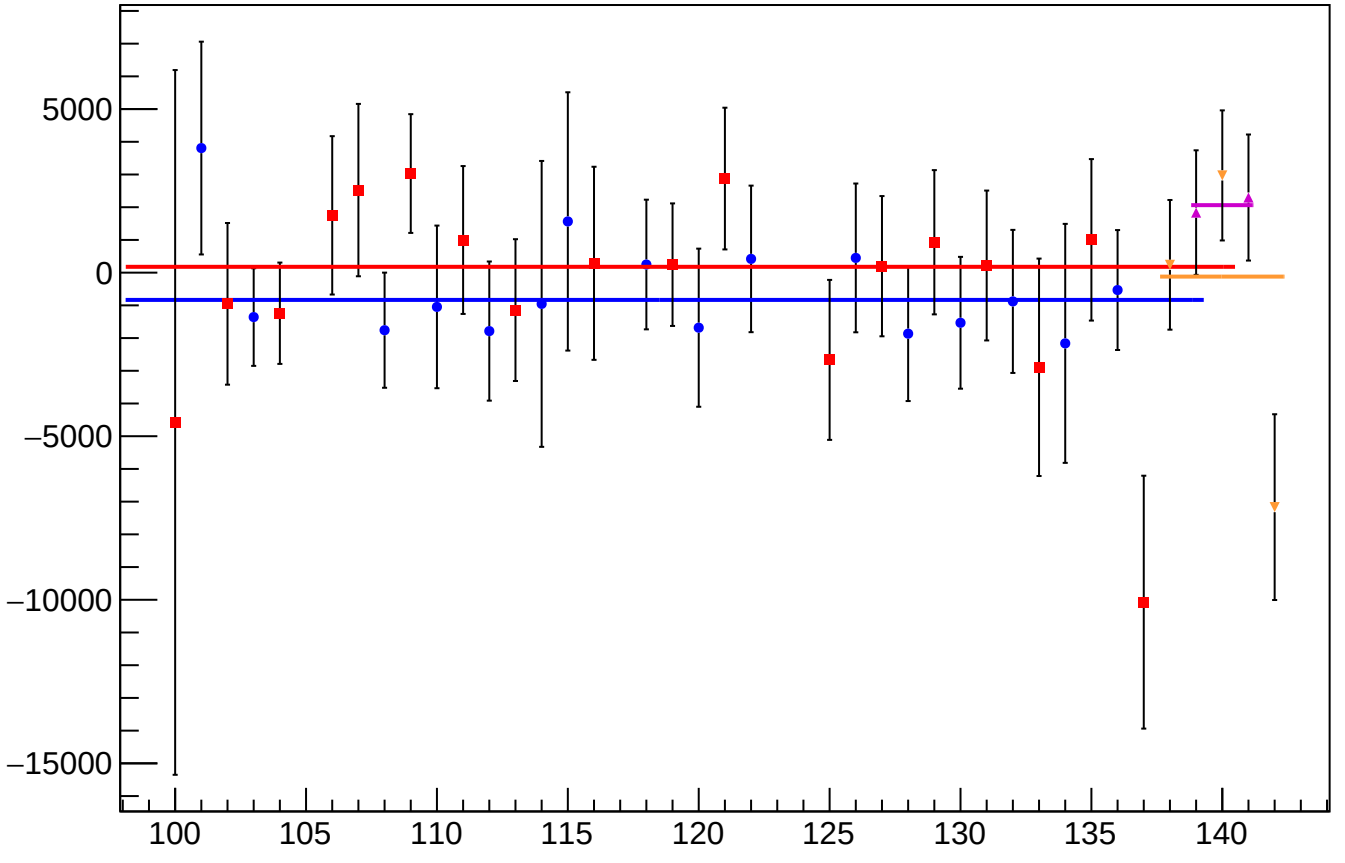
Left In: 0.000+/-0.000 χ^2/NDF:267922.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 2806004.2/18

All: 0.000+/-0.000 χ^2/NDF: 5370148.8/38

- sign 0.000+/-0.000 χ^2/NDF: 2542678.9/19

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: -120.970+/-1258.326 χ^2/NDF:8.6/2

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

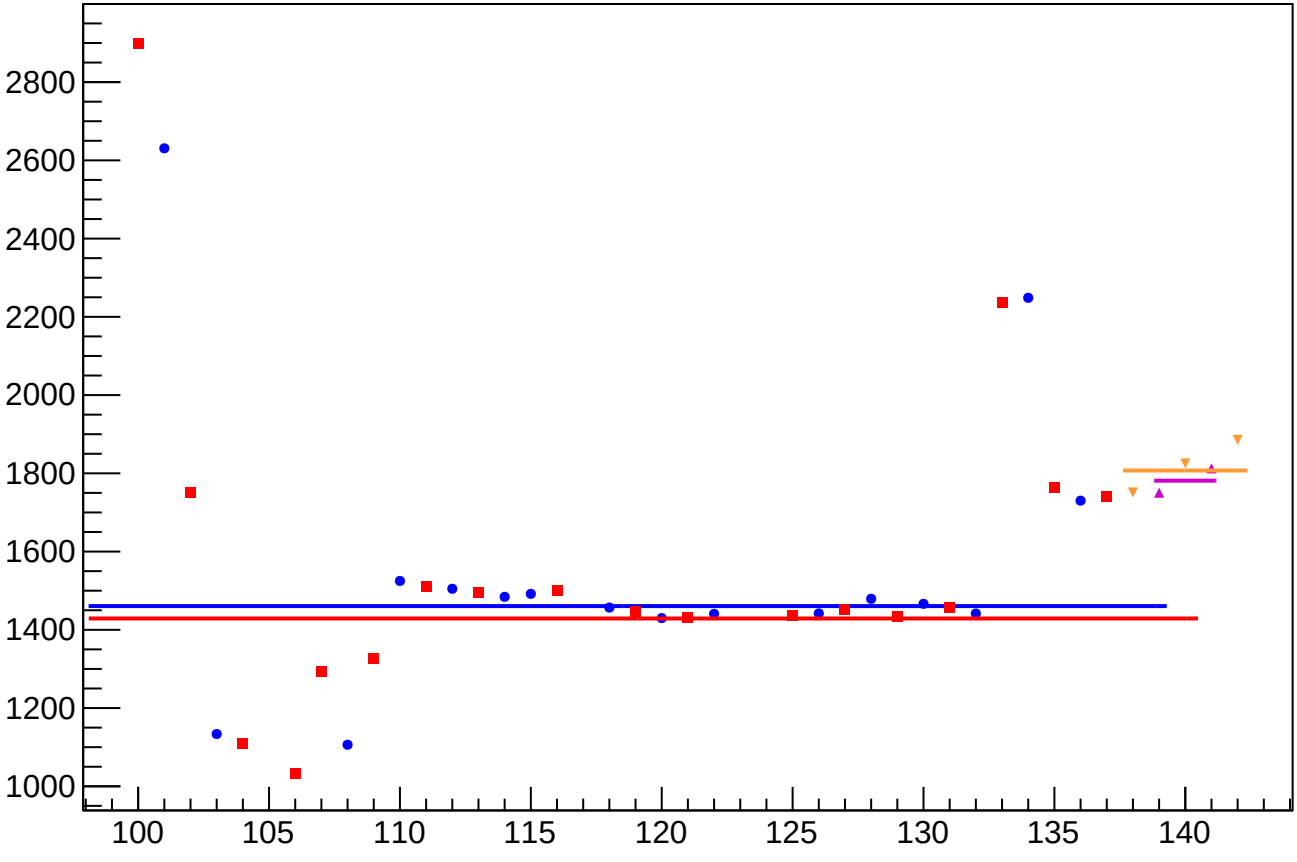
Left In: 2063.278+/-1354.289 χ^2/NDF:0.0/1

+ sign -717.502+/-507.673 χ^2/NDF: 13.5/18

All: -137.272+/-359.041 χ^2/NDF: 34.2/38

- sign 443.357+/-507.848 χ^2/NDF: 18.1/19

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1807.239+/-0.890 χ^2/NDF:3298.9/2

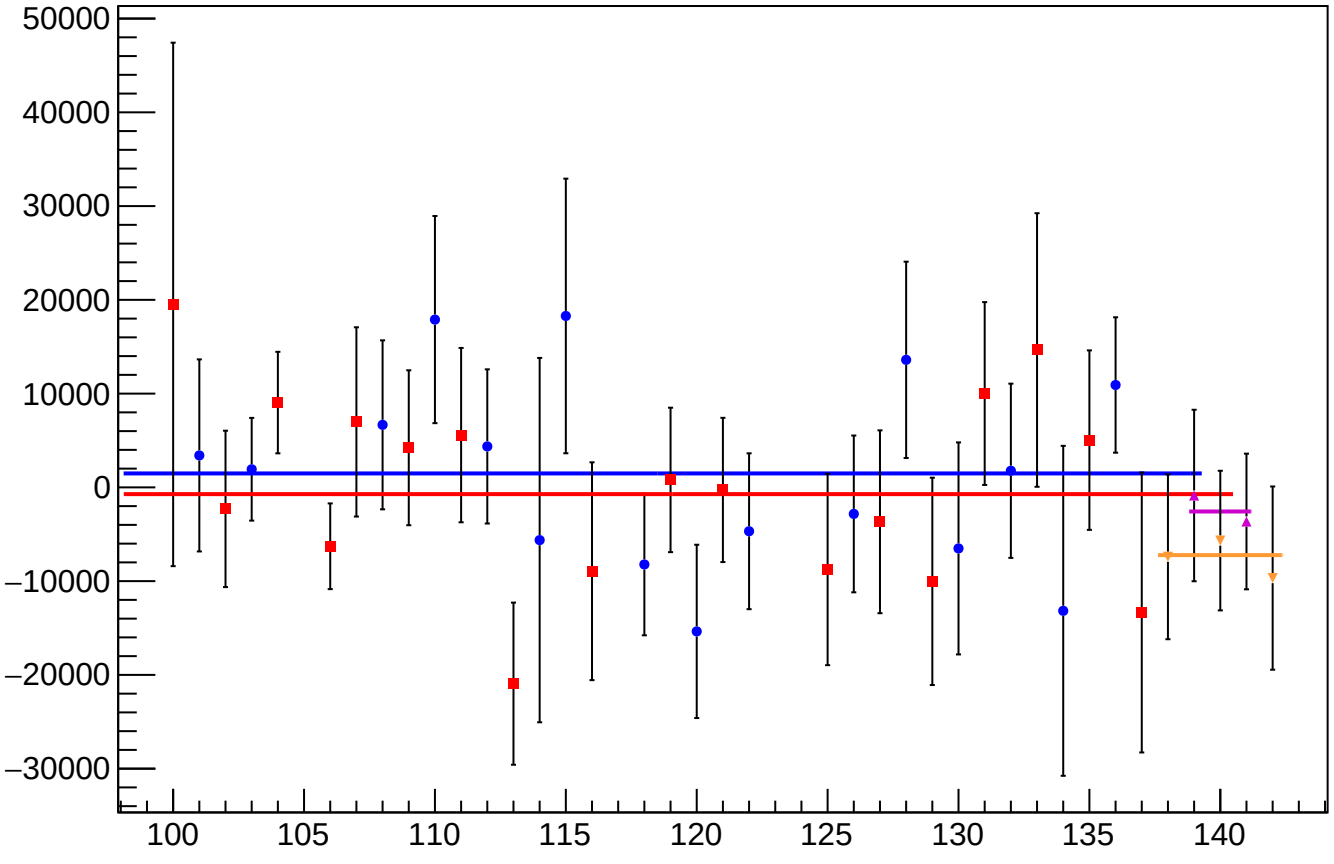
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1781.237+/-0.958 χ^2/NDF:1052.9/1

+ sign 1517.068+/-0.359 χ^2/NDF: 706065.4/18

All: 1497.342+/-0.253 χ^2/NDF: 1240946.1/38

- sign 1477.852+/-0.357 χ^2/NDF: 528877.8/19



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -7225.394+/-4911.844 χ^2/NDF:0.1/2

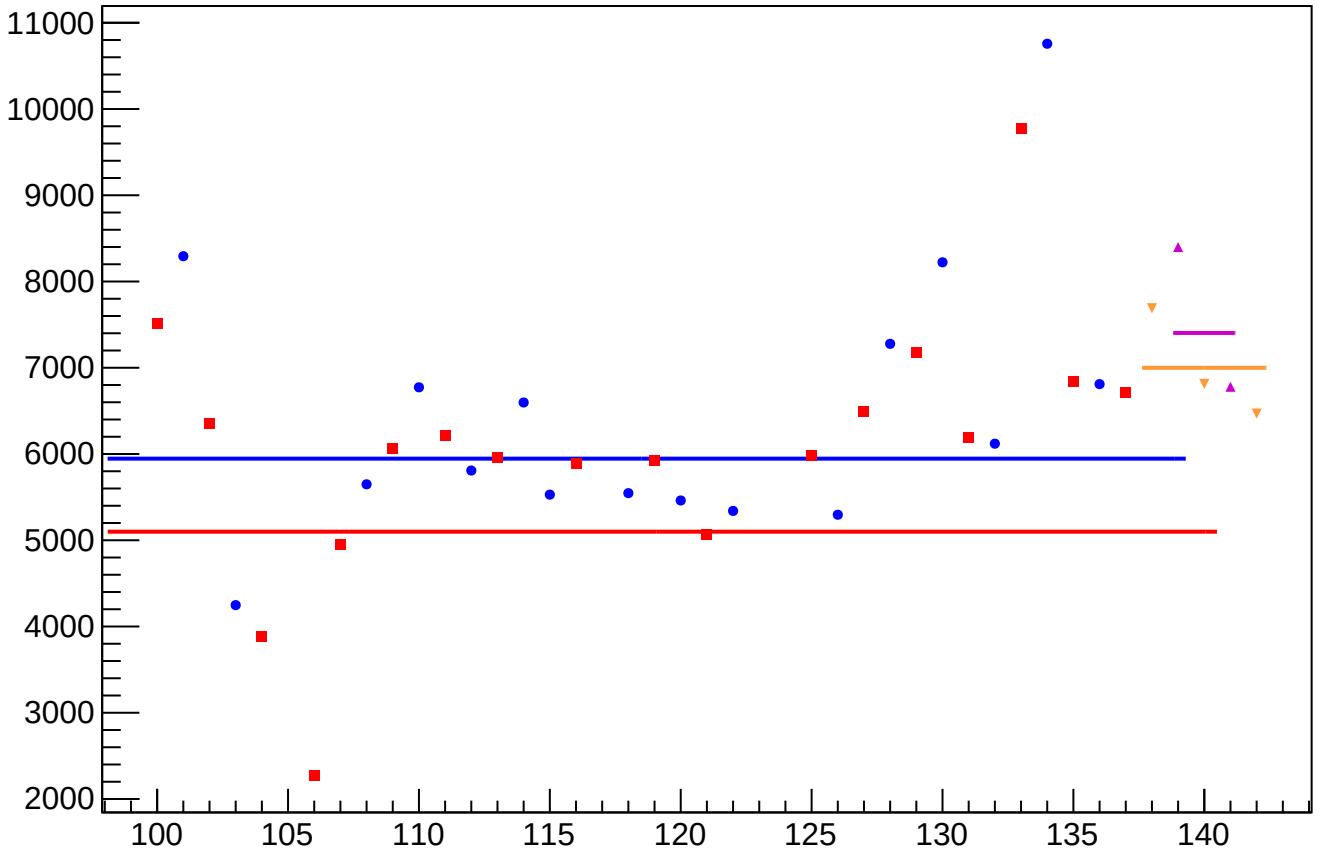
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -2571.631+/-5673.761 χ^2/NDF:0.1/1

\+ sign -43.759+/-2059.114 χ^2/NDF: 16.9/18

All: -521.708+/-1394.752 χ^2/NDF: 34.7/38

\- sign -926.903+/-1895.929 χ^2/NDF: 17.7/19



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6999.598+/-3.473 χ^2/NDF:19508.1/2

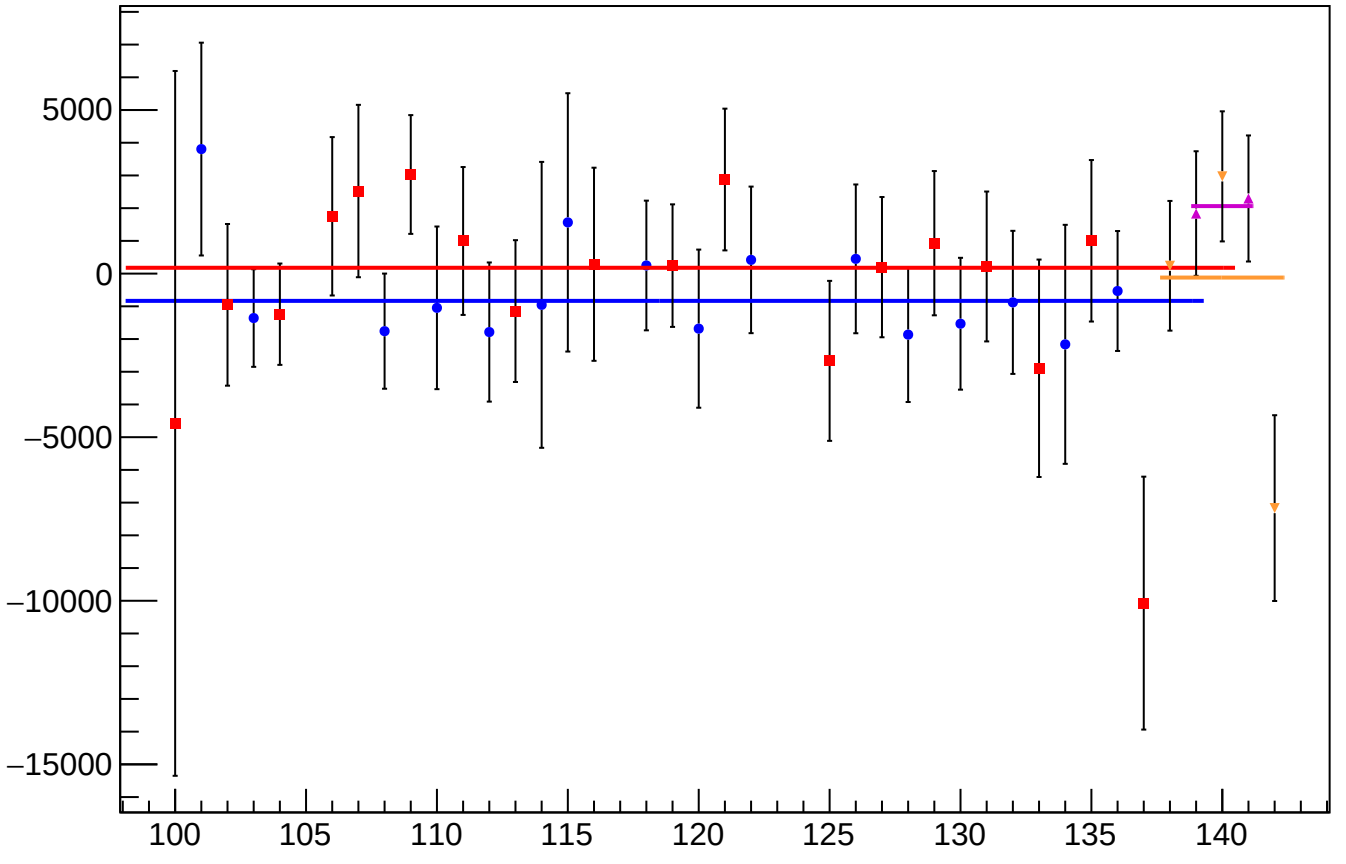
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7403.613+/-4.012 χ^2/NDF:38623.8/1

+ sign 6131.226+/-1.456 χ^2/NDF: 736478.0/18

All: 5712.043+/-0.986 χ^2/NDF: 2701658.4/38

- sign 5356.668+/-1.341 χ^2/NDF: 1812027.3/19



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: -121.010+/-1258.326 χ^2/NDF:8.6/2

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

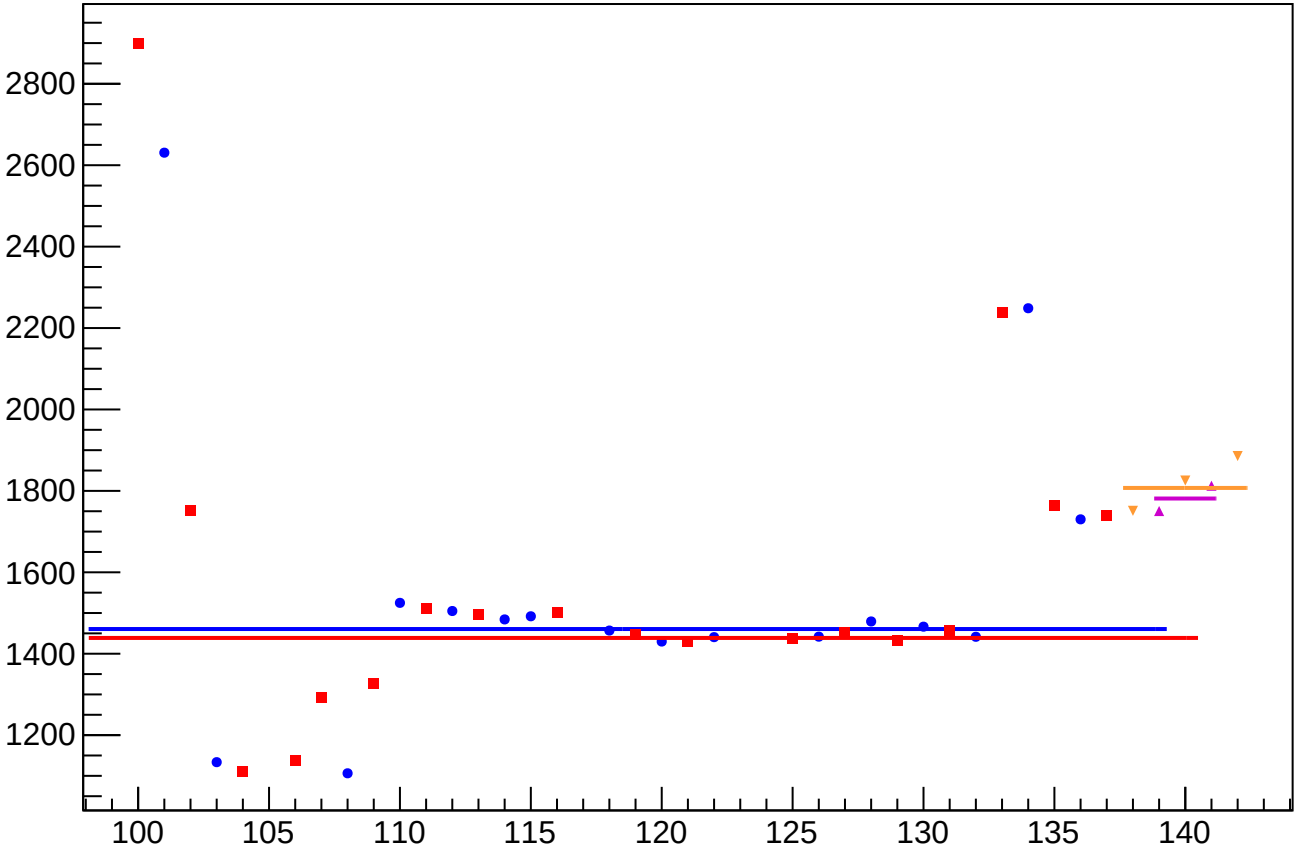
Left In: 2063.243+/-1354.289 χ^2/NDF:0.0/1

+ sign -717.561+/-507.673 χ^2/NDF: 13.5/18

All: -137.373+/-359.041 χ^2/NDF: 34.2/38

- sign 443.215+/-507.848 χ^2/NDF: 18.1/19

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1807.239+/-0.890 χ^2/NDF:3298.9/2

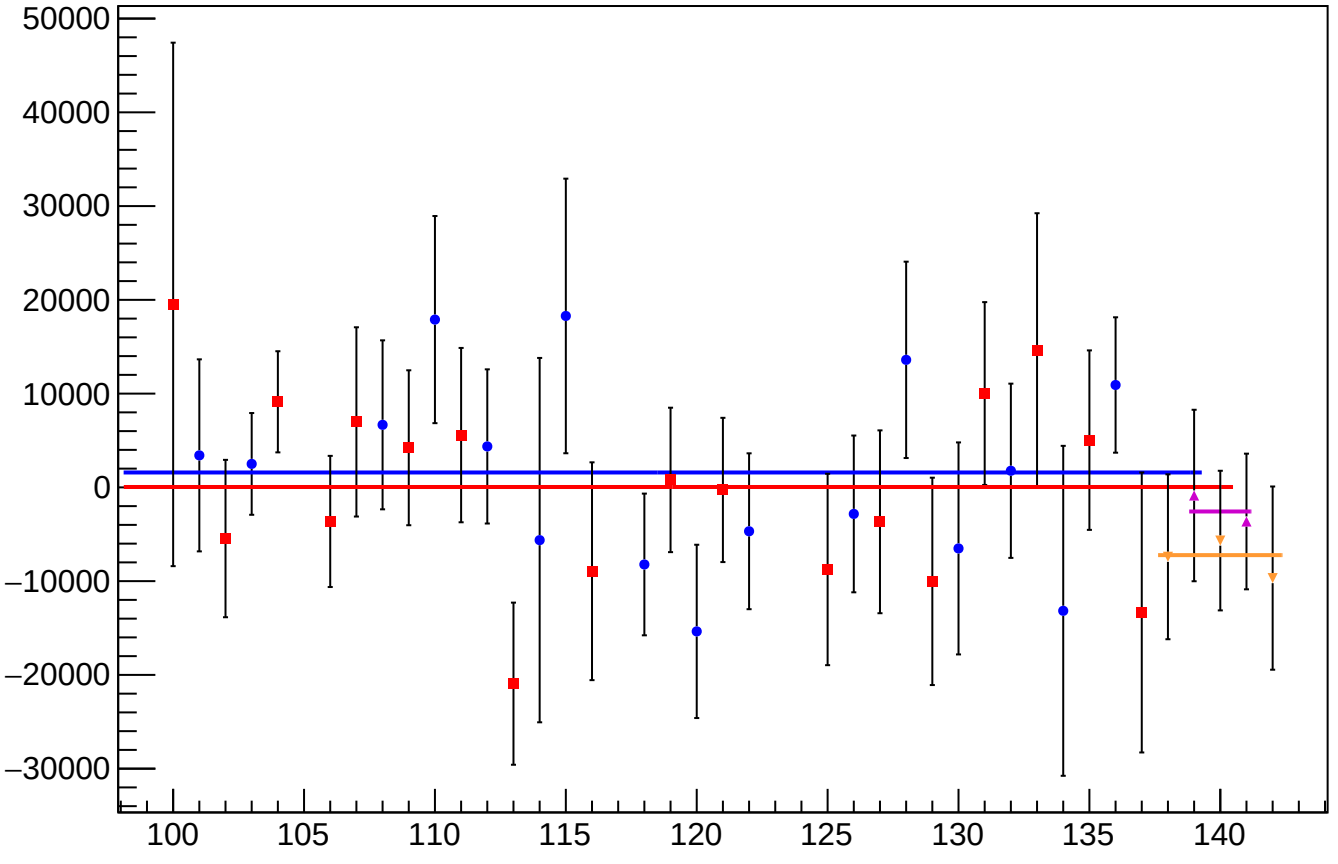
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1781.237+/-0.958 χ^2/NDF:1052.9/1

+ sign 1517.068+/-0.359 χ^2/NDF: 706065.8/18

All: 1501.876+/-0.254 χ^2/NDF: 1194053.2/38

- sign 1486.733+/-0.358 χ^2/NDF: 484411.2/19



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -7225.469+/-4911.839 χ^2/NDF:0.1/2

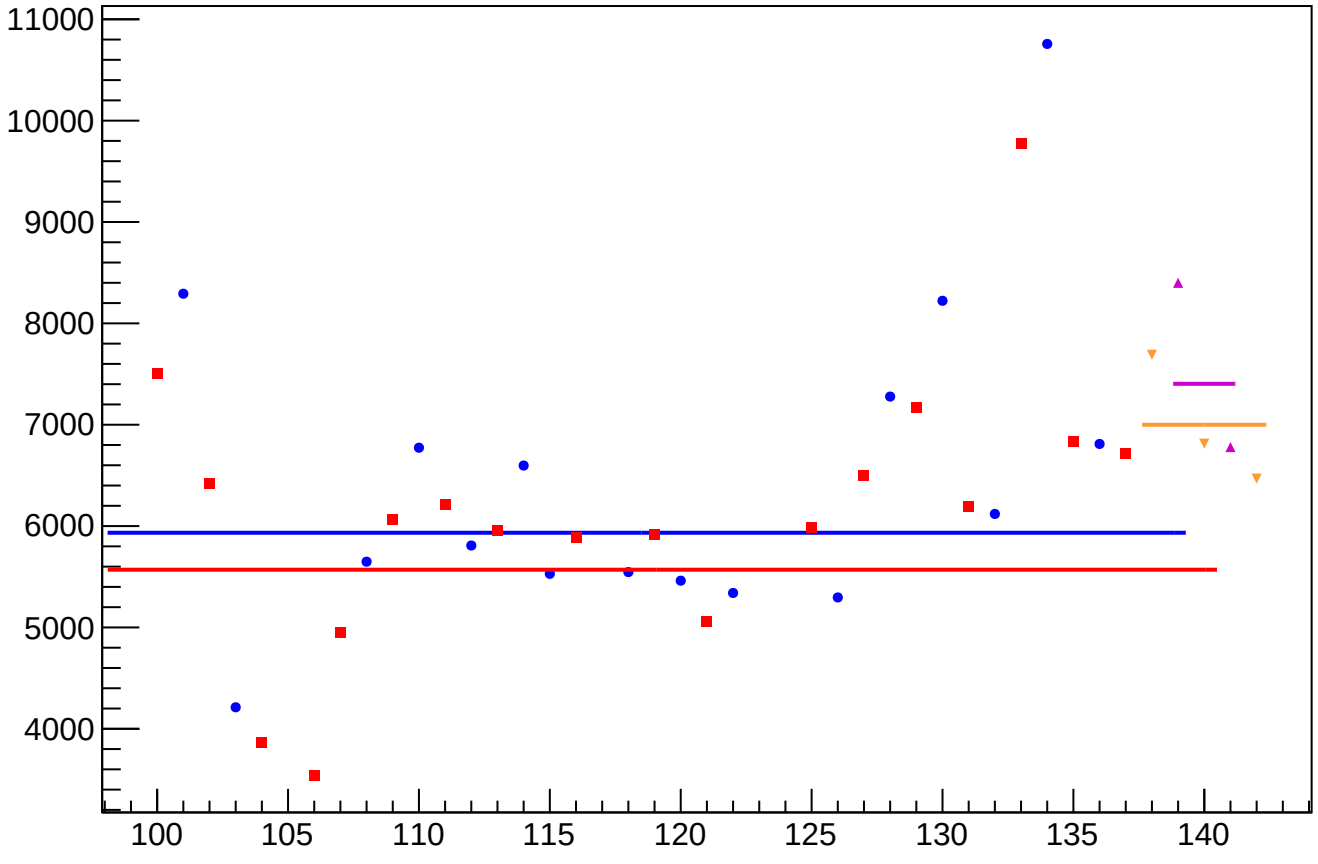
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2571.690+/-5673.758 χ^2/NDF:0.1/1

\+ sign 43.895+/-2056.293 χ^2/NDF: 17.0/18

All: -124.291+/-1432.449 χ^2/NDF: 33.7/38

\- sign -282.854+/-1996.603 χ^2/NDF: 16.7/19



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6999.591+/-3.473 χ^2/NDF:19507.8/2

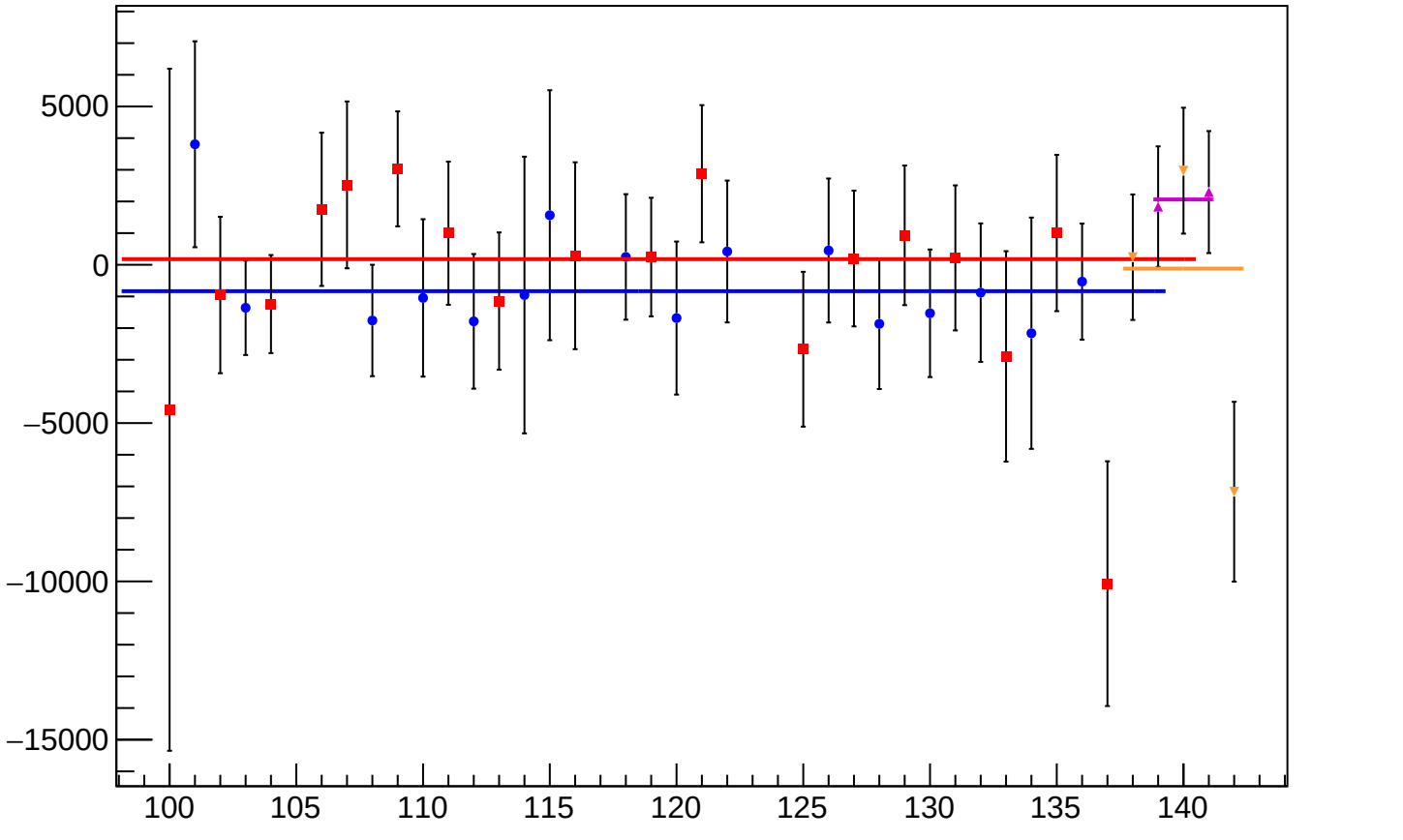
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7403.610+/-4.012 χ^2/NDF:38623.4/1

+ sign 6120.927+/-1.454 χ^2/NDF: 750192.1/18

All: 5954.049+/-1.013 χ^2/NDF: 1721549.4/38

- sign 5796.719+/-1.412 χ^2/NDF: 945766.6/19



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: -121.010+/-1258.326 χ^2/NDF:8.6/2

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

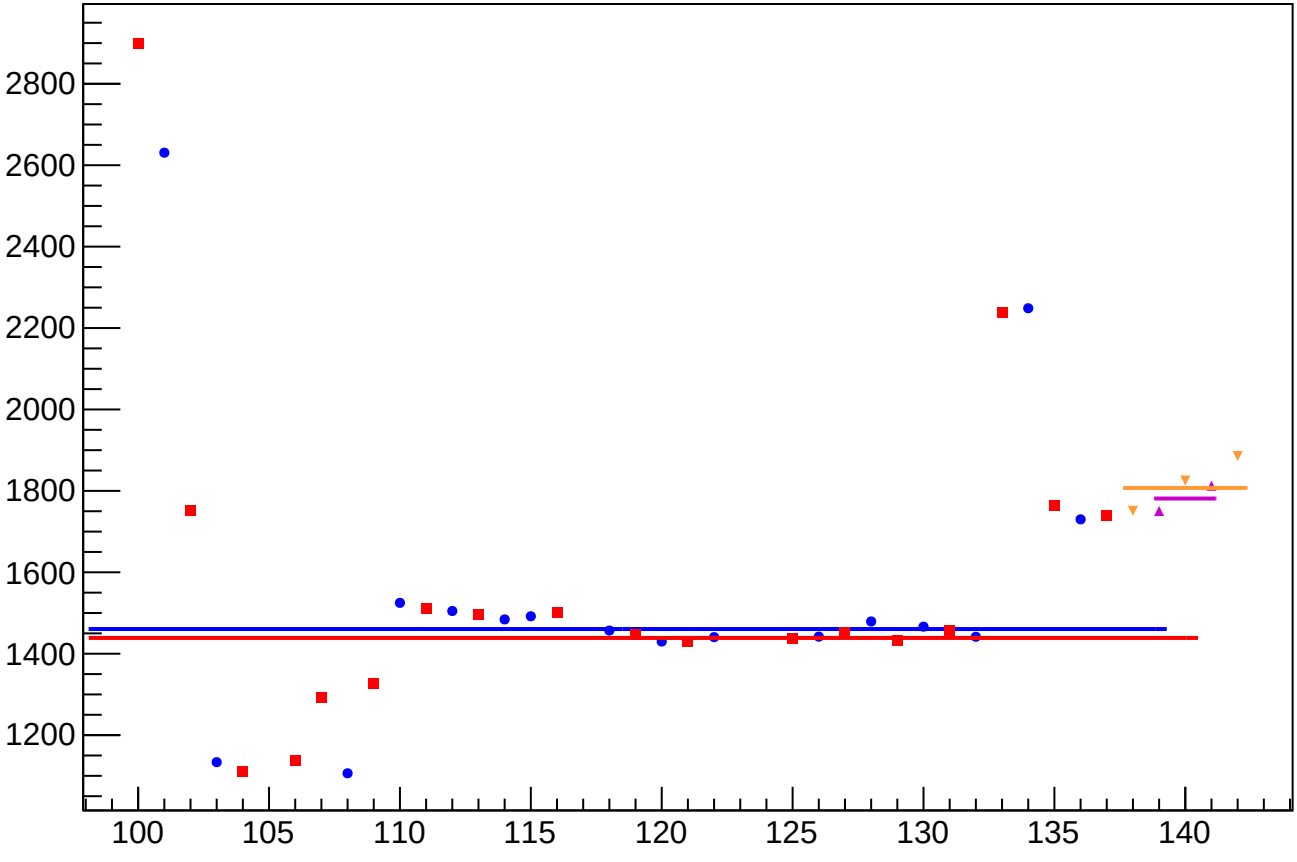
Left In: 2063.243+/-1354.289 χ^2/NDF:0.0/1

+ sign -717.561+/-507.673 χ^2/NDF: 13.5/18

All: -137.373+/-359.041 χ^2/NDF: 34.2/38

- sign 443.215+/-507.848 χ^2/NDF: 18.1/19

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: 1807.239+/-0.890 χ^2/NDF:3298.9/2

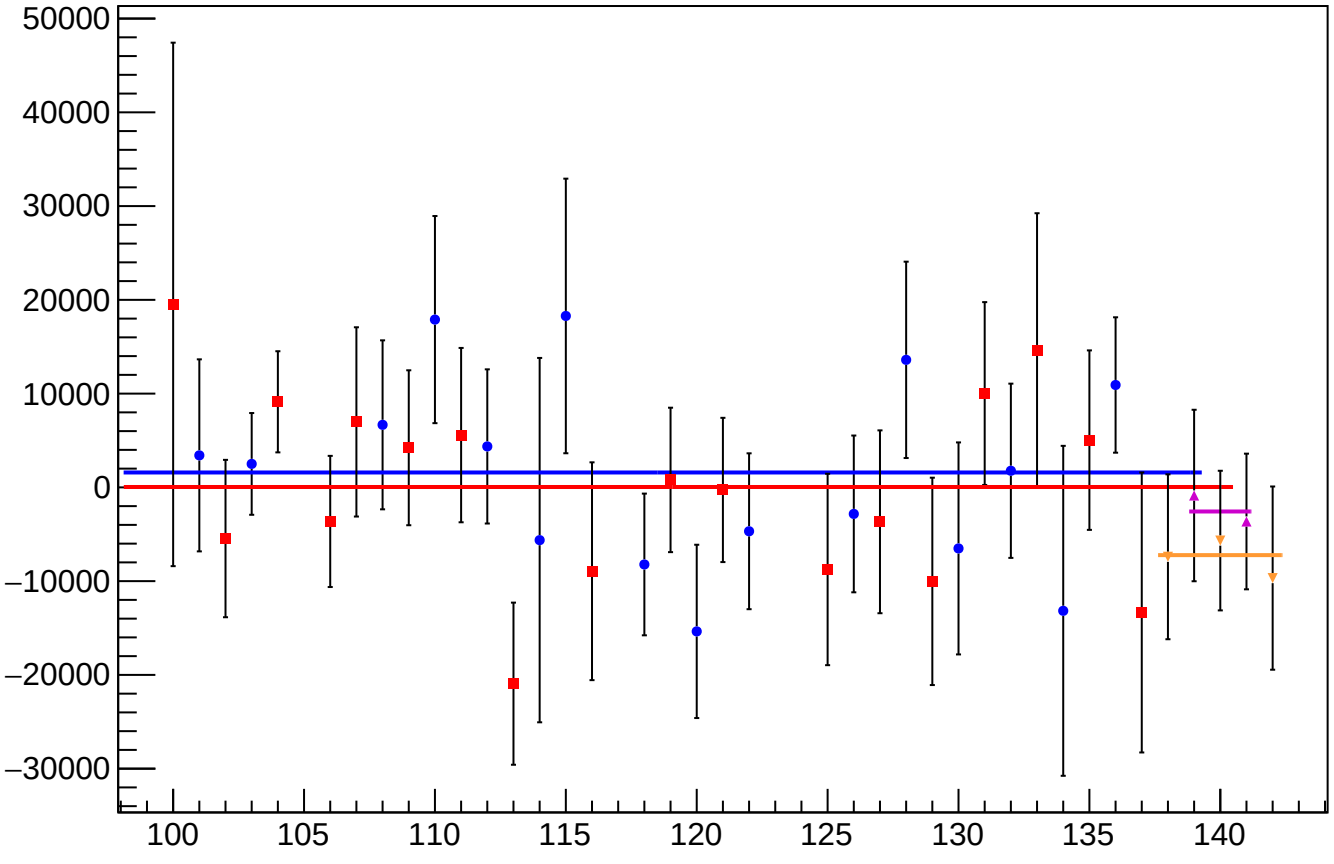
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1781.237+/-0.958 χ^2/NDF:1052.9/1

+ sign 1517.068+/-0.359 χ^2/NDF: 706065.8/18

All: 1501.876+/-0.254 χ^2/NDF: 1194053.2/38

- sign 1486.733+/-0.358 χ^2/NDF: 484411.2/19



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -7225.469+/-4911.839 χ^2/NDF:0.1/2

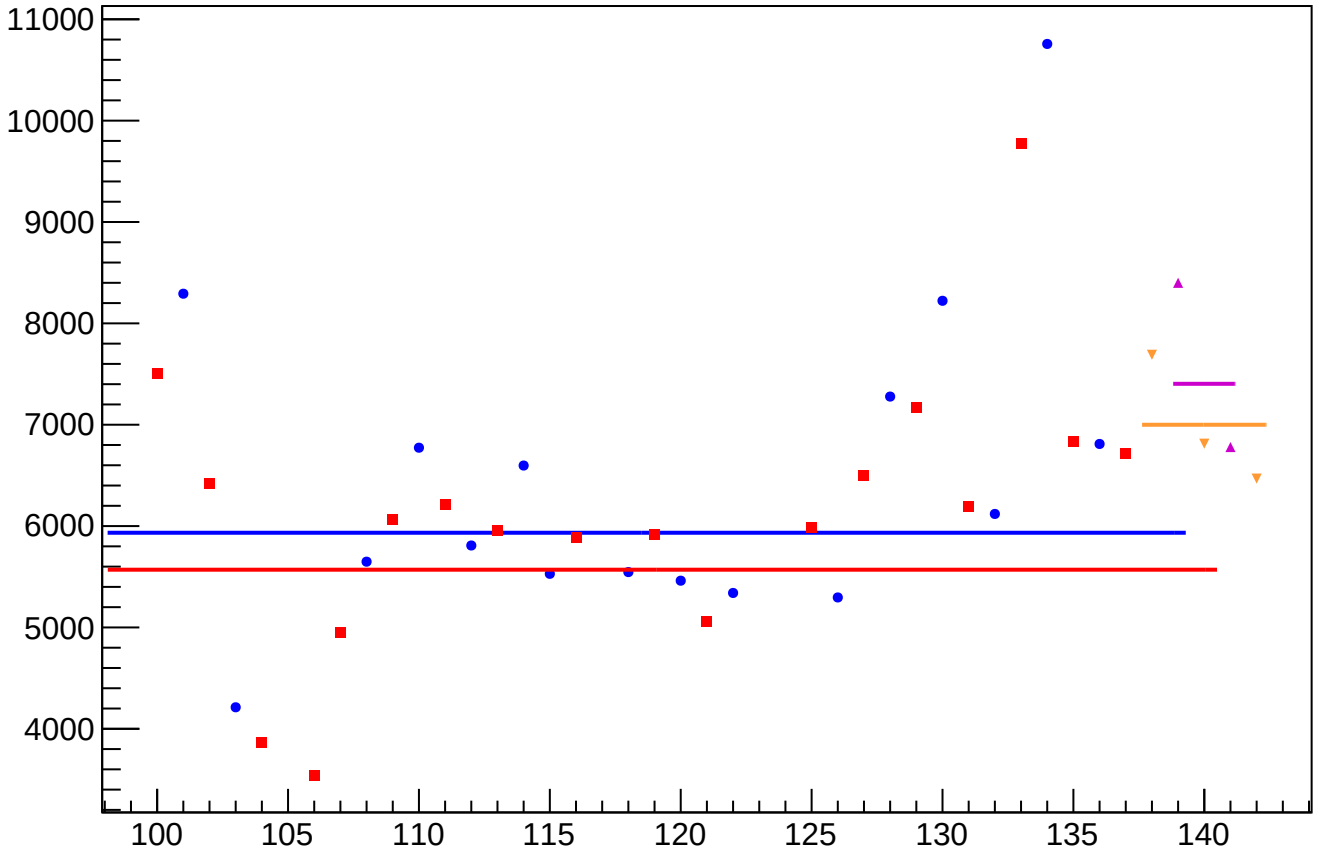
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2571.690+/-5673.758 χ^2/NDF:0.1/1

+ sign 43.895+/-2056.293 χ^2/NDF: 17.0/18

All: -124.291+/-1432.449 χ^2/NDF: 33.7/38

- sign -282.854+/-1996.603 χ^2/NDF: 16.7/19



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6999.591+/-3.473 χ^2/NDF:19507.8/2

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

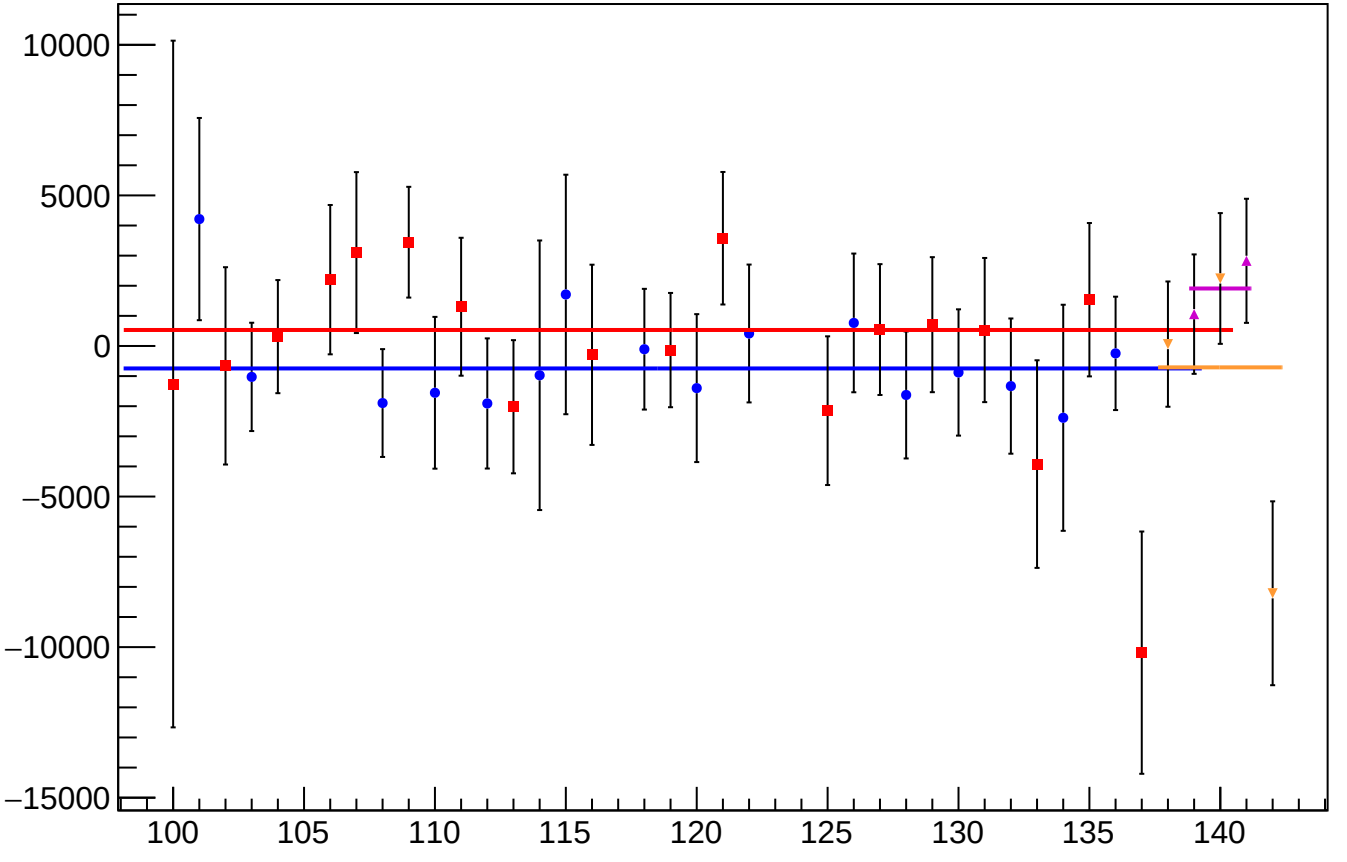
Left In: 7403.610+/-4.012 χ^2/NDF:38623.4/1

+ sign 6120.927+/-1.454 χ^2/NDF: 750192.1/18

All: 5954.049+/-1.013 χ^2/NDF: 1721549.4/38

- sign 5796.719+/-1.412 χ^2/NDF: 945766.6/19

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: -710.265+/-1347.722 χ^2/NDF:8.0/2

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

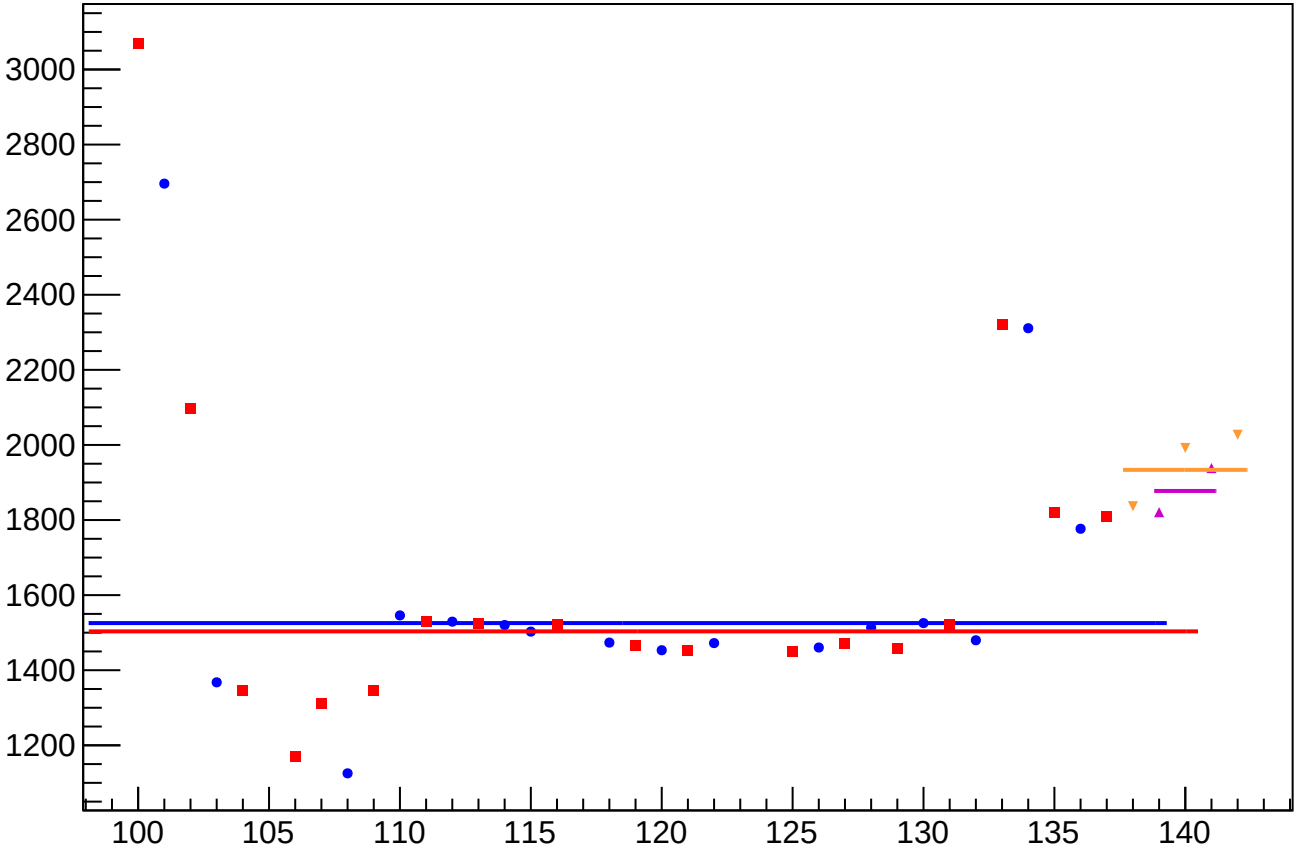
Left In: 1909.047+/-1428.797 χ^2/NDF:0.4/1

+ sign -740.374+/-531.263 χ^2/NDF: 12.8/18

All: -11.589+/-376.454 χ^2/NDF: 35.5/38

- sign 723.392+/-533.516 χ^2/NDF: 18.9/19

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1933.688+/-0.953 χ^2/NDF:7657.2/2

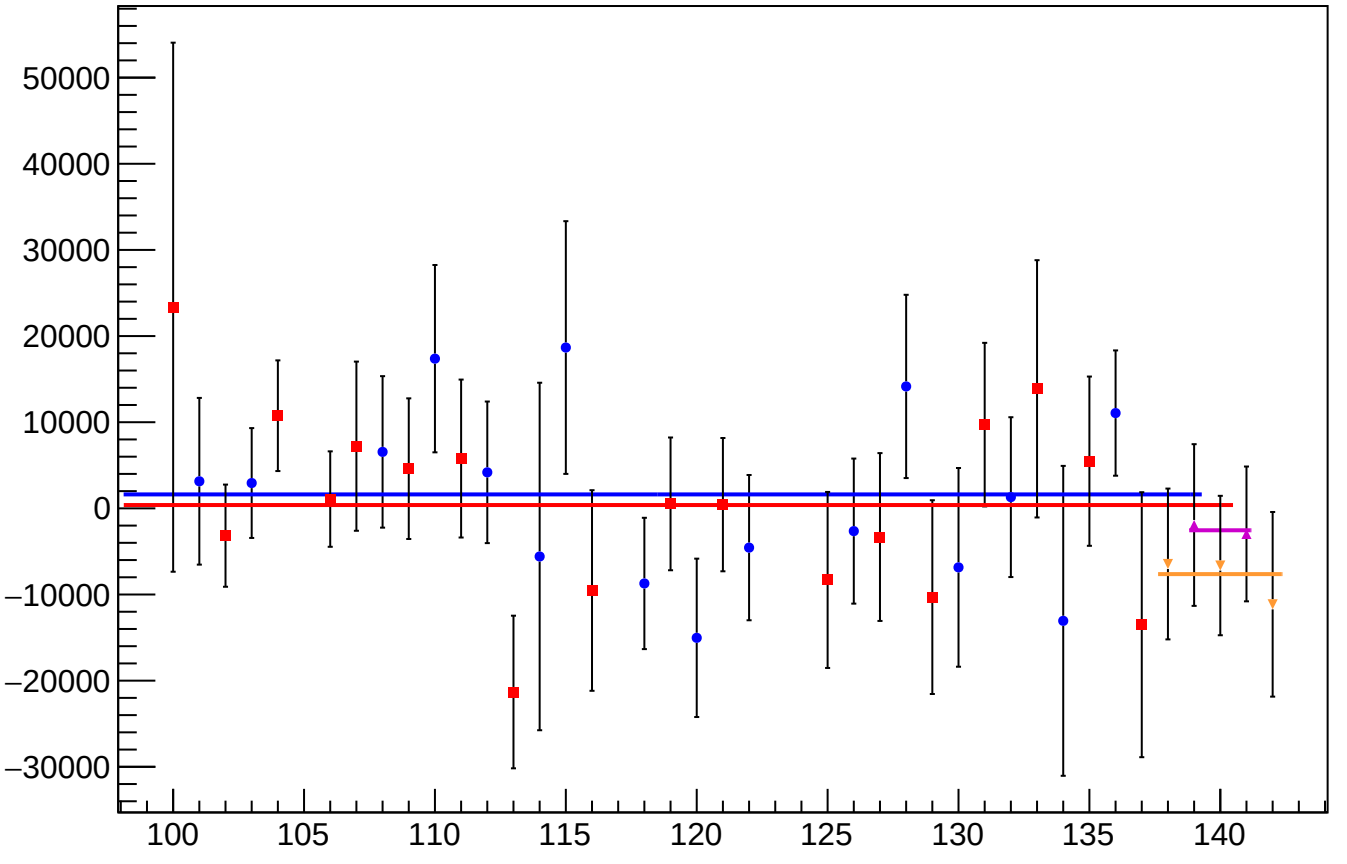
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1877.432+/-1.010 χ^2/NDF:3378.3/1

+ sign 1588.958+/-0.376 χ^2/NDF: 650913.7/18

All: 1572.323+/-0.266 χ^2/NDF: 1114673.5/38

- sign 1555.555+/-0.377 χ^2/NDF: 459822.2/19



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -7631.774+/-5196.844 χ^2/NDF:0.1/2

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

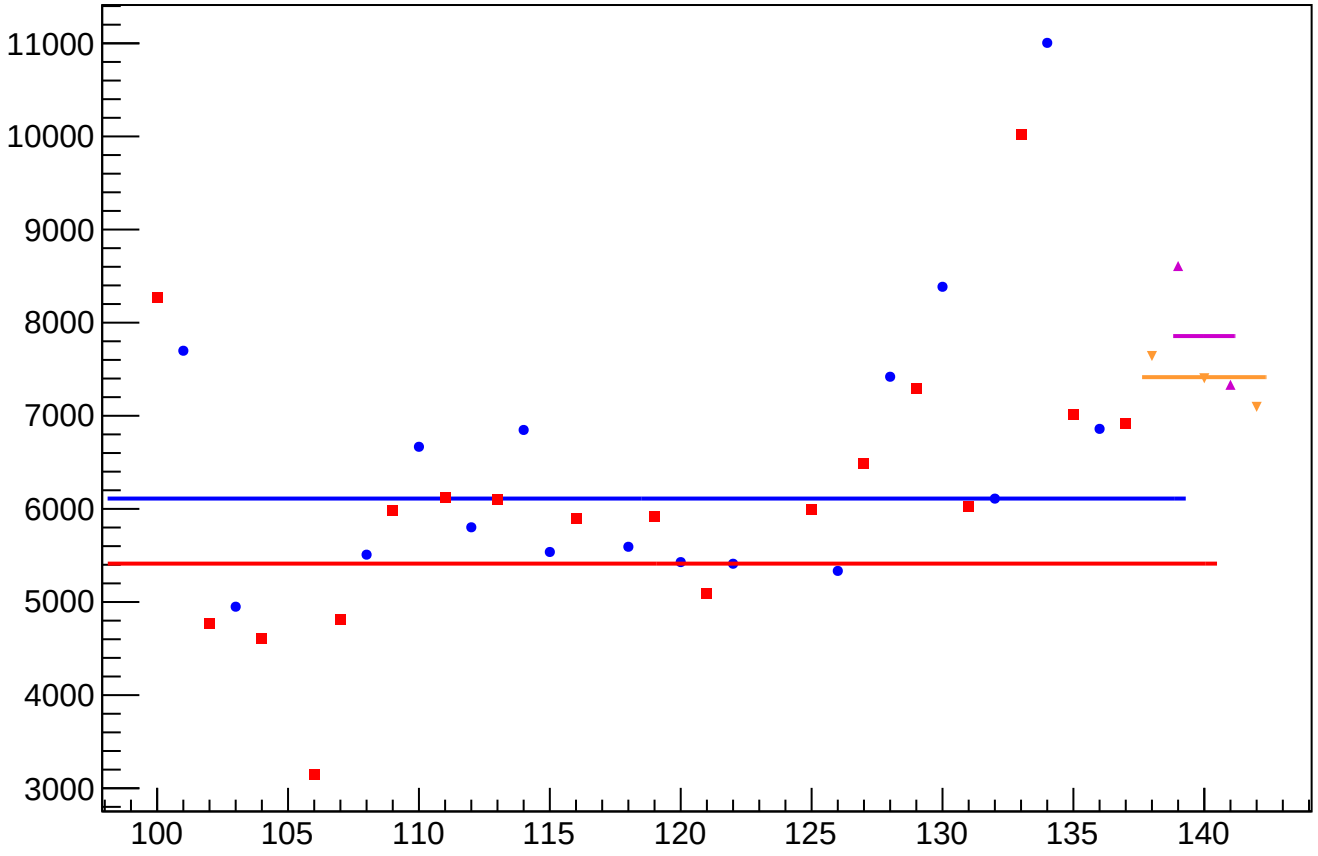
Left In: -2544.088+/-6010.067 χ^2/NDF:0.0/1

+ sign 82.582+/-2118.507 χ^2/NDF: 17.0/18

All: 79.922+/-1434.515 χ^2/NDF: 33.3/38

- sign 77.670+/-1949.442 χ^2/NDF: 16.2/19

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7414.817+/-3.675 χ^2/NDF:3121.0/2

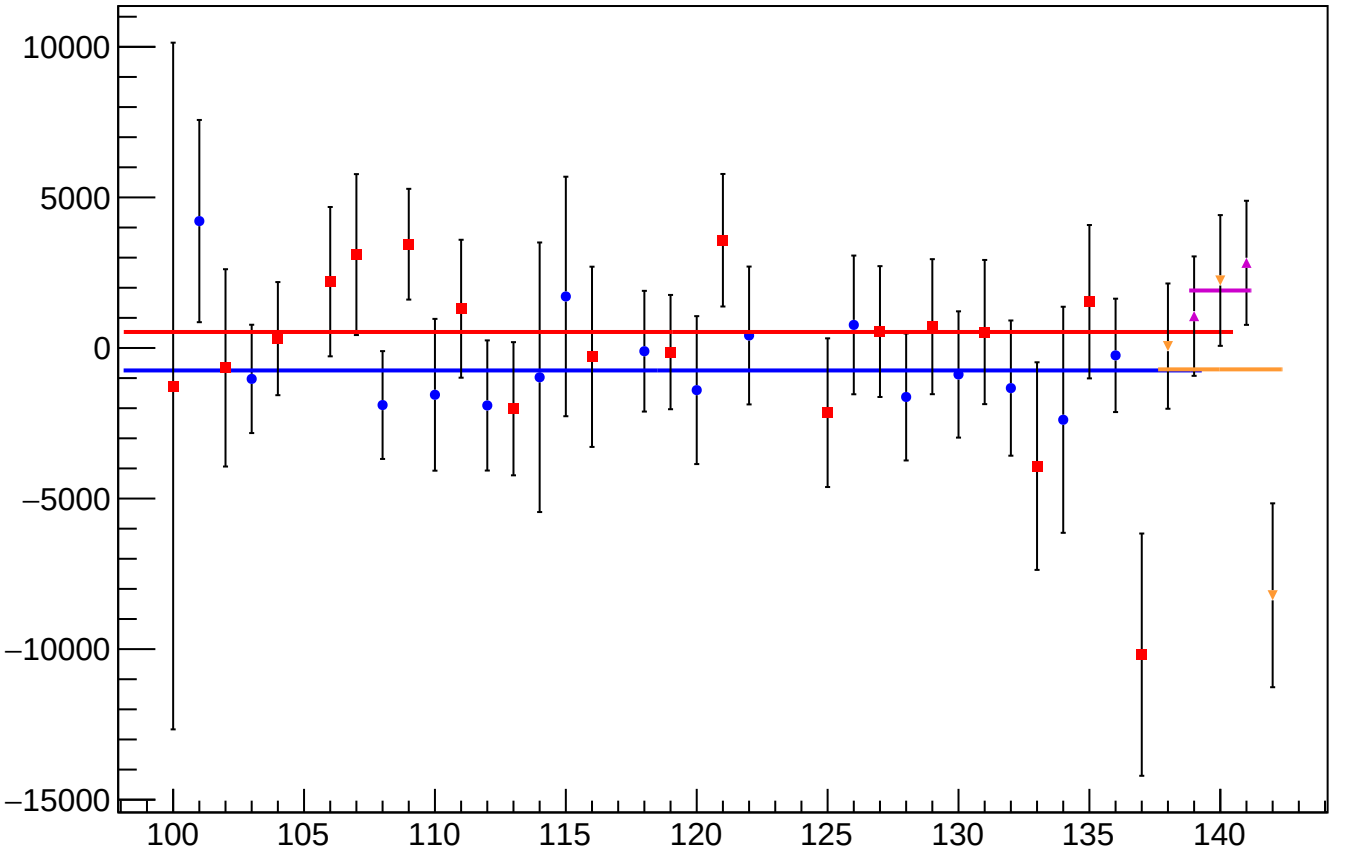
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7856.054+/-4.250 χ^2/NDF:21792.4/1

+ sign 6327.700+/-1.498 χ^2/NDF: 579744.3/18

All: 5971.232+/-1.014 χ^2/NDF: 1823520.5/38

- sign 5669.389+/-1.378 χ^2/NDF: 1139202.7/19



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: -710.282+/-1347.724 χ^2/NDF:8.0/2

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

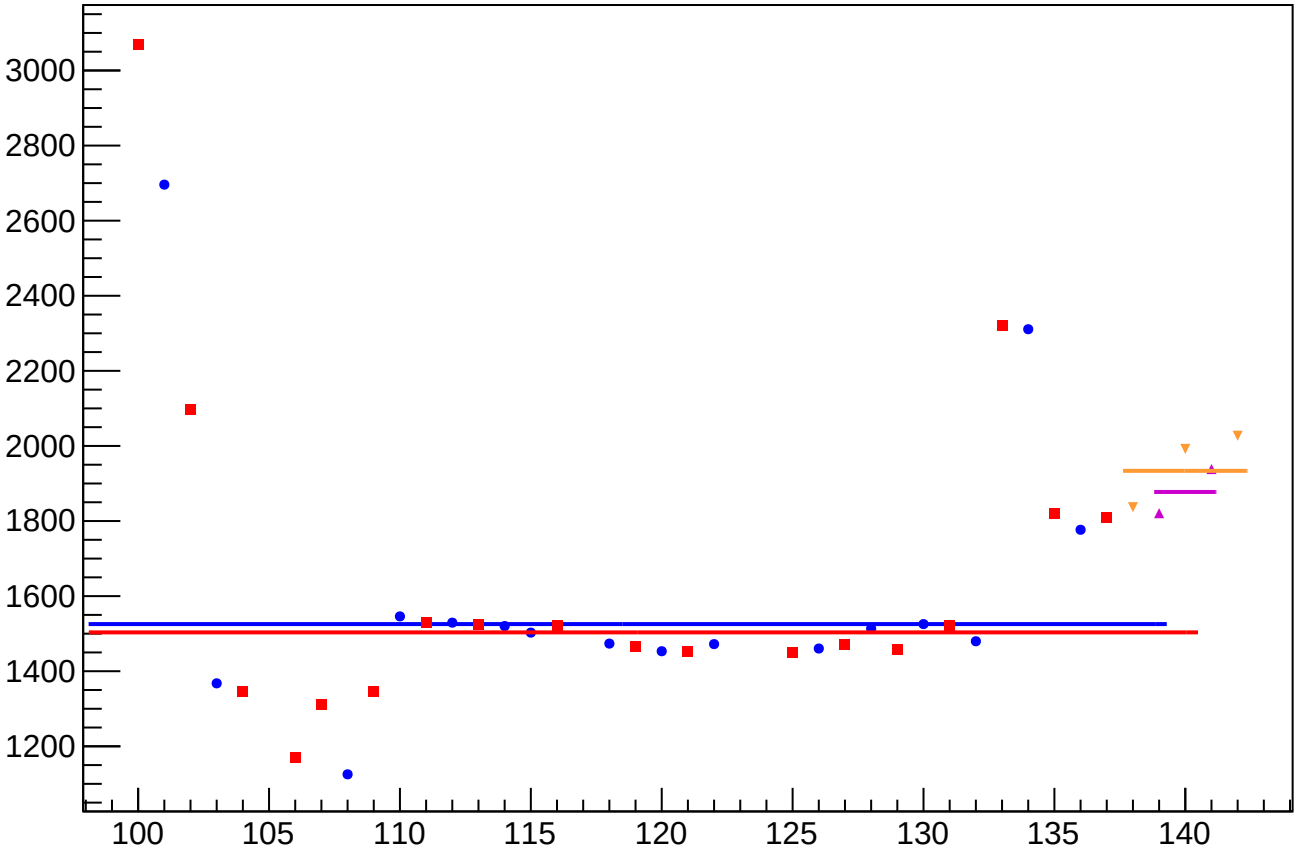
Left In: 1909.027+/-1428.798 χ^2/NDF:0.4/1

+ sign -740.381+/-531.263 χ^2/NDF: 12.8/18

All: -11.589+/-376.454 χ^2/NDF: 35.5/38

- sign 723.397+/-533.517 χ^2/NDF: 18.9/19

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: 1933.690+/-0.953 χ^2/NDF:7657.3/2

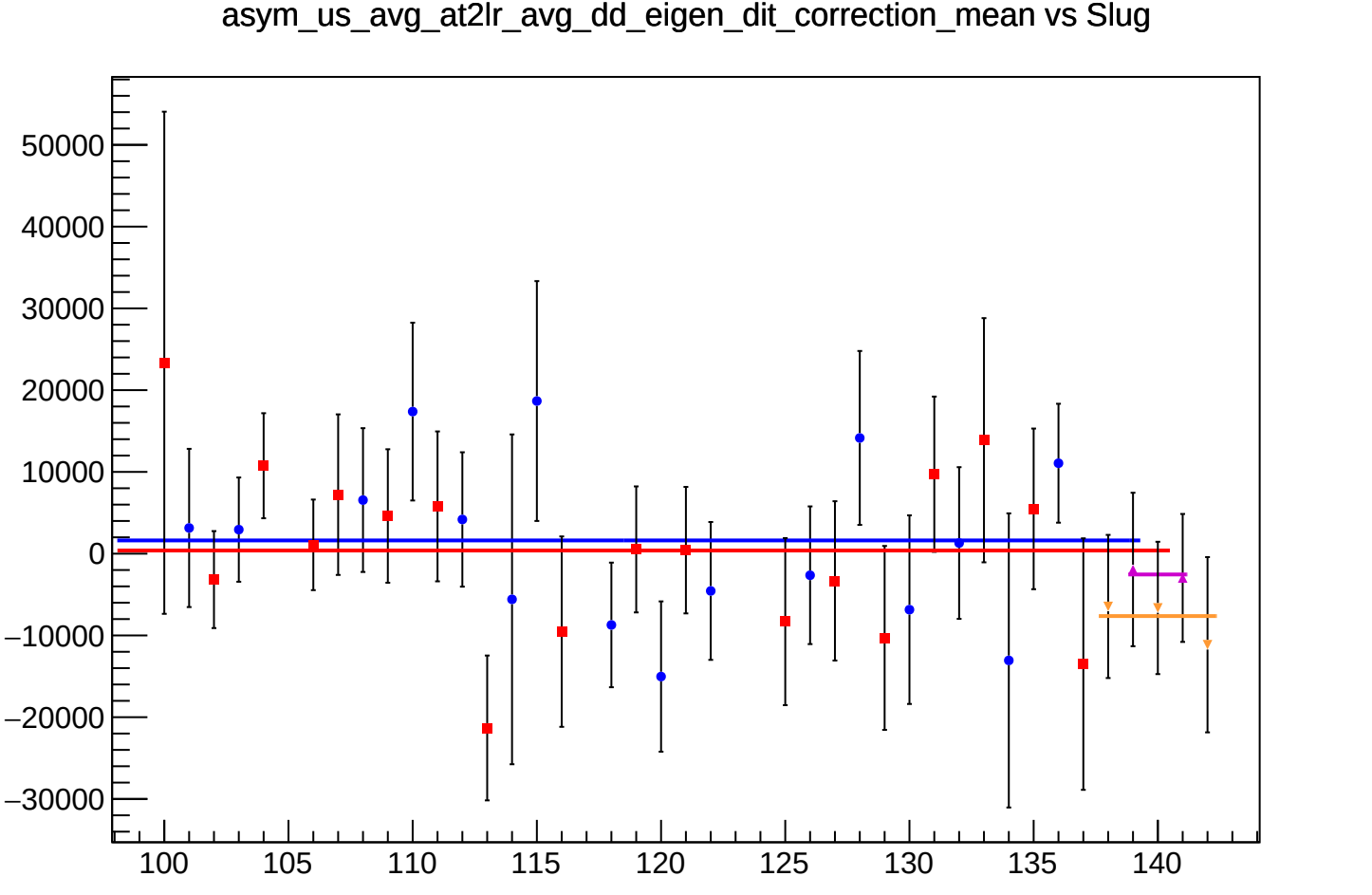
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1877.434+/-1.010 χ^2/NDF:3378.1/1

+ sign 1588.958+/-0.376 χ^2/NDF: 650914.3/18

All: 1572.323+/-0.266 χ^2/NDF: 1114675.2/38

- sign 1555.555+/-0.377 χ^2/NDF: 459823.4/19



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -7631.802+/-5196.852 χ^2/NDF:0.1/2

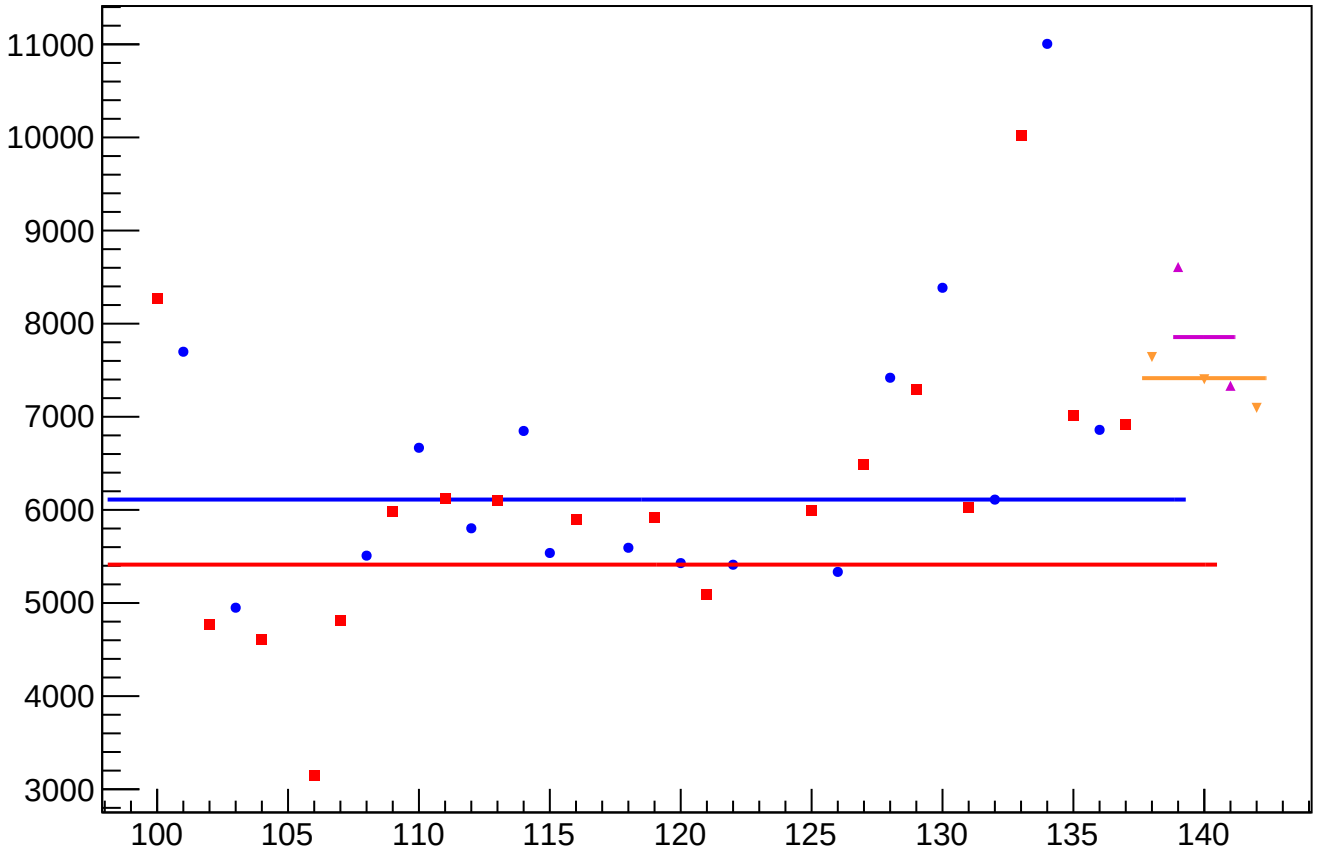
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -2544.108+/-6010.075 χ^2/NDF:0.0/1

+ sign 82.570+/-2118.504 χ^2/NDF: 17.0/18

All: 79.920+/-1434.512 χ^2/NDF: 33.3/38

- sign 77.675+/-1949.439 χ^2/NDF: 16.2/19



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7414.828+/-3.675 χ^2/NDF:3121.1/2

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

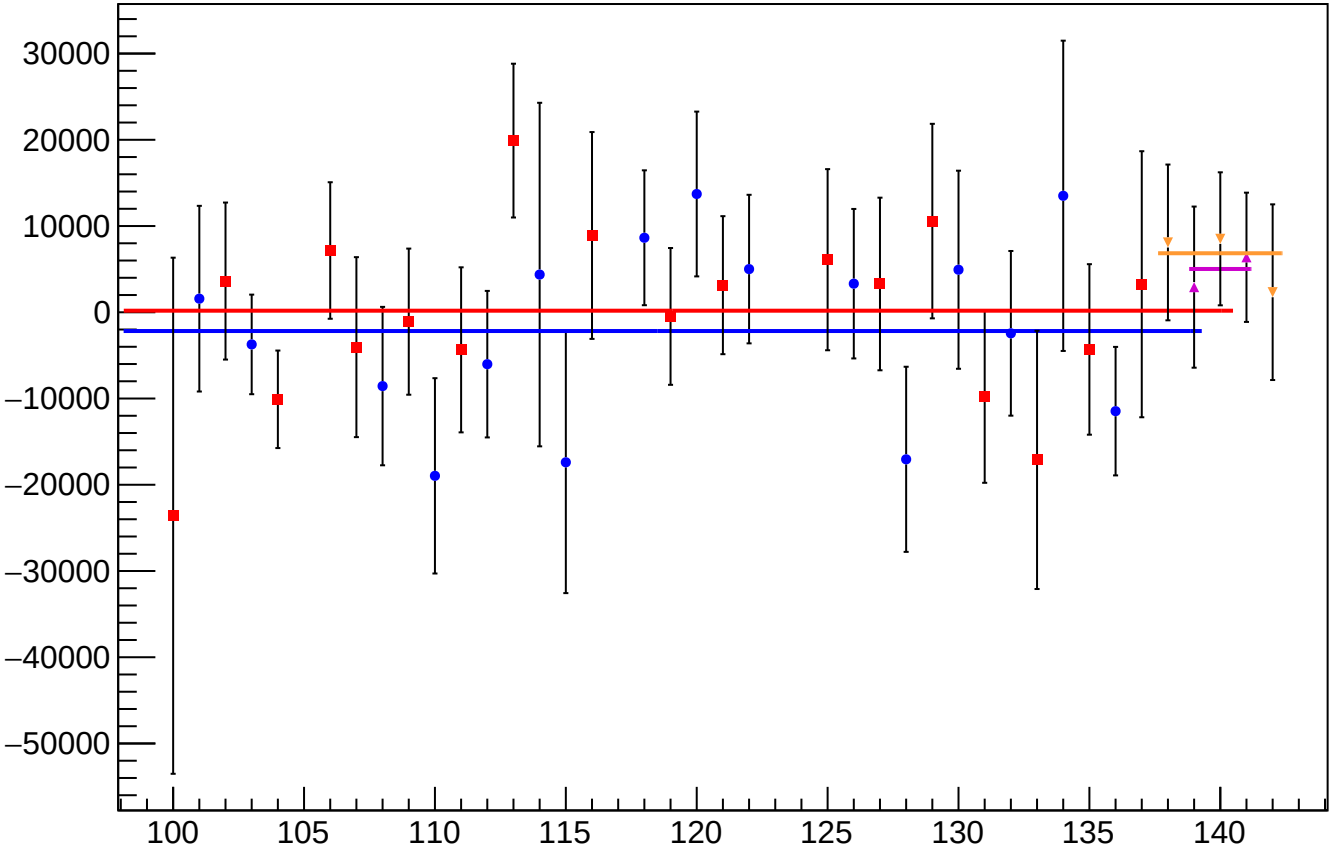
Left In: 7856.065+/-4.250 χ^2/NDF:21793.0/1

+ sign 6327.689+/-1.498 χ^2/NDF: 579750.4/18

All: 5971.221+/-1.014 χ^2/NDF: 1823532.3/38

- sign 5669.378+/-1.378 χ^2/NDF: 1139208.2/19

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 6844.295+/-5082.448 χ^2/NDF:0.3/2

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

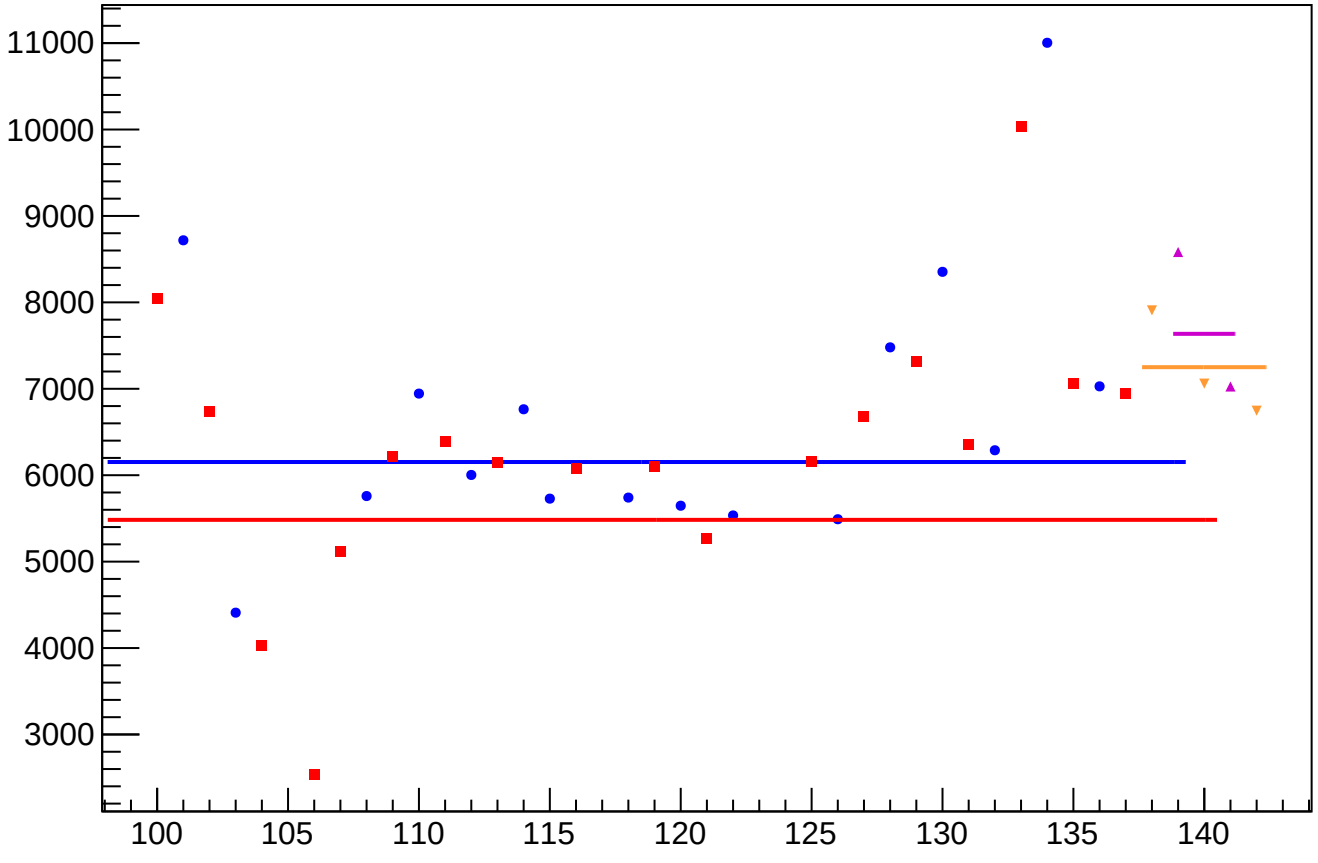
Left In: 5021.311+/-5845.821 χ^2/NDF:0.1/1

\+ sign -588.203+/-2131.277 χ^2/NDF: 17.4/18

All: 120.679+/-1489.546 χ^2/NDF: 33.0/38

\- sign 797.575+/-2082.638 χ^2/NDF: 15.3/19

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7250.096+/-3.594 χ^2/NDF:16702.0/2

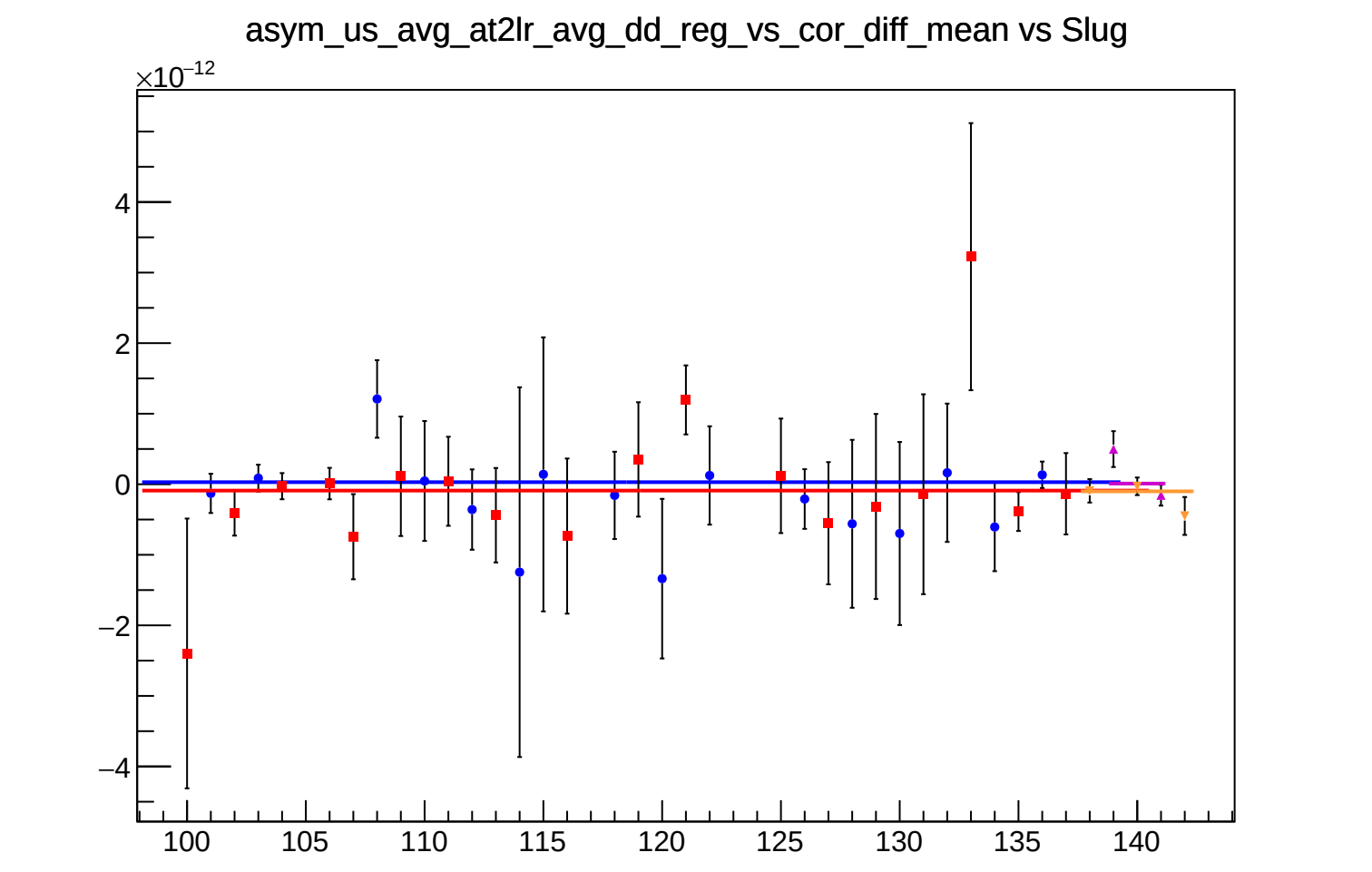
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7635.837+/-4.134 χ^2/NDF:33764.3/1

+ sign 6345.663+/-1.507 χ^2/NDF: 717575.8/18

All: 6025.913+/-1.036 χ^2/NDF: 2224266.9/38

- sign 5739.561+/-1.426 χ^2/NDF: 1421359.3/19



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/2

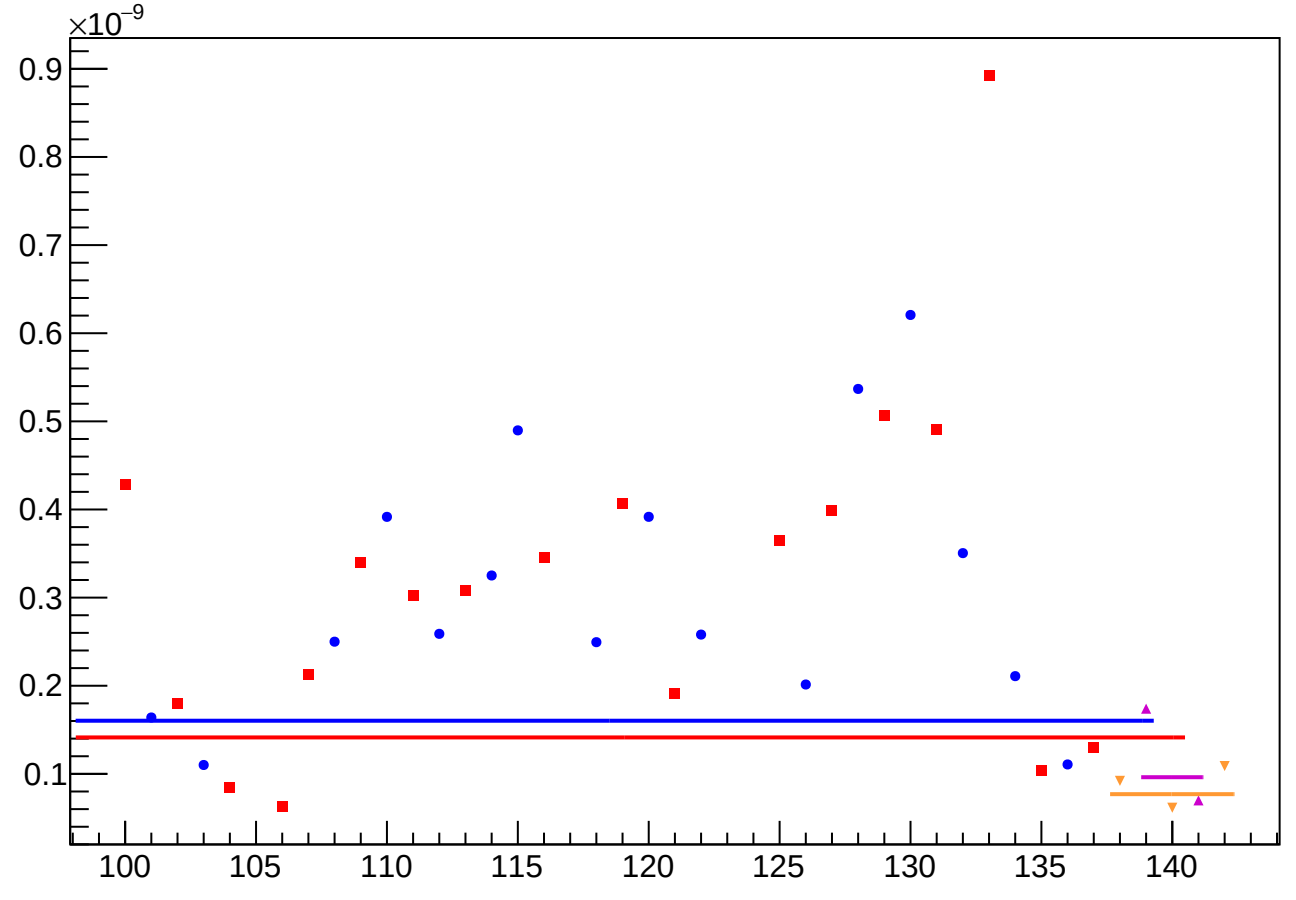
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:4.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 12.4/18

All: -0.000+/-0.000 χ^2/NDF: 34.2/38

- sign -0.000+/-0.000 χ^2/NDF: 21.8/19



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:75087.2/2

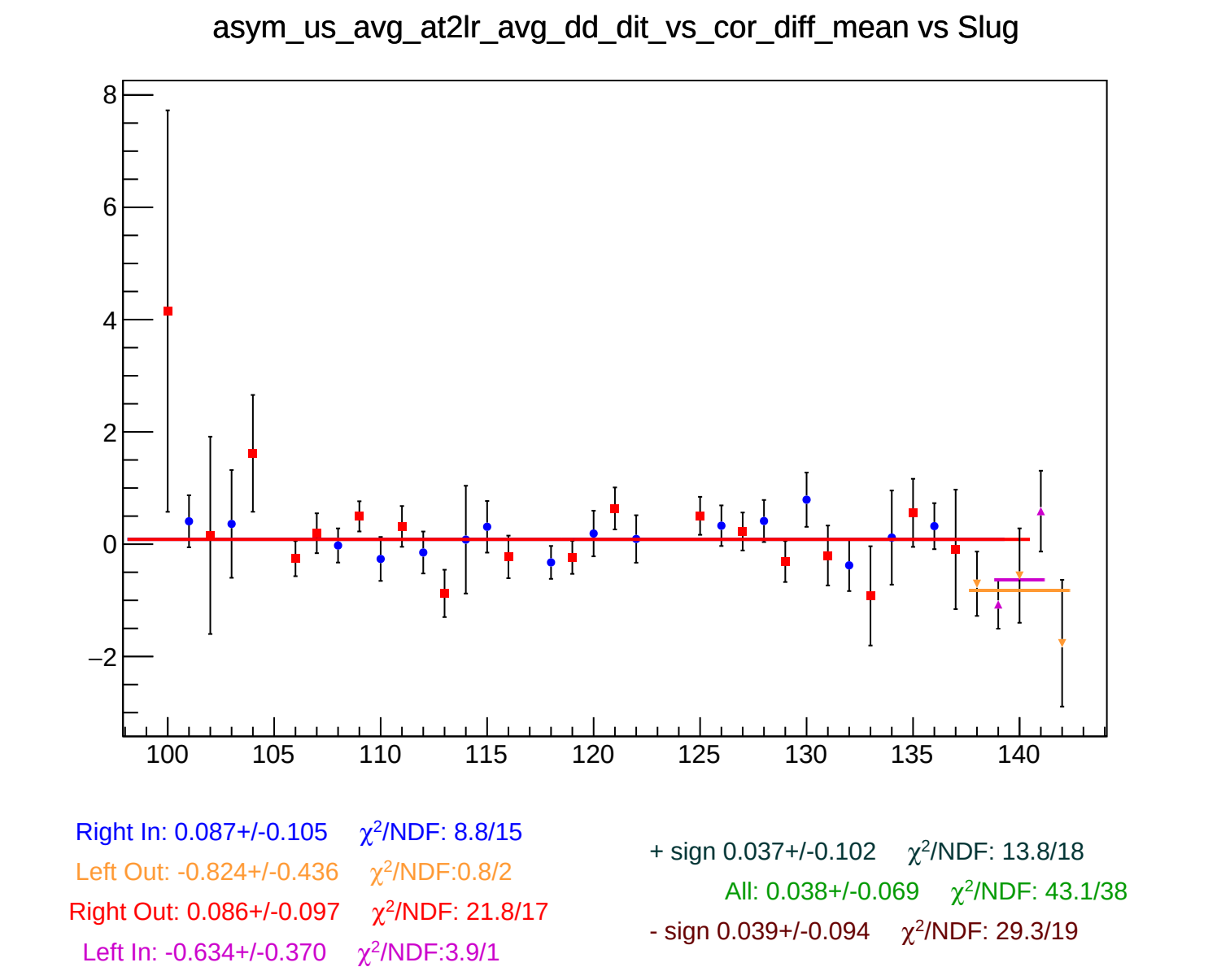
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

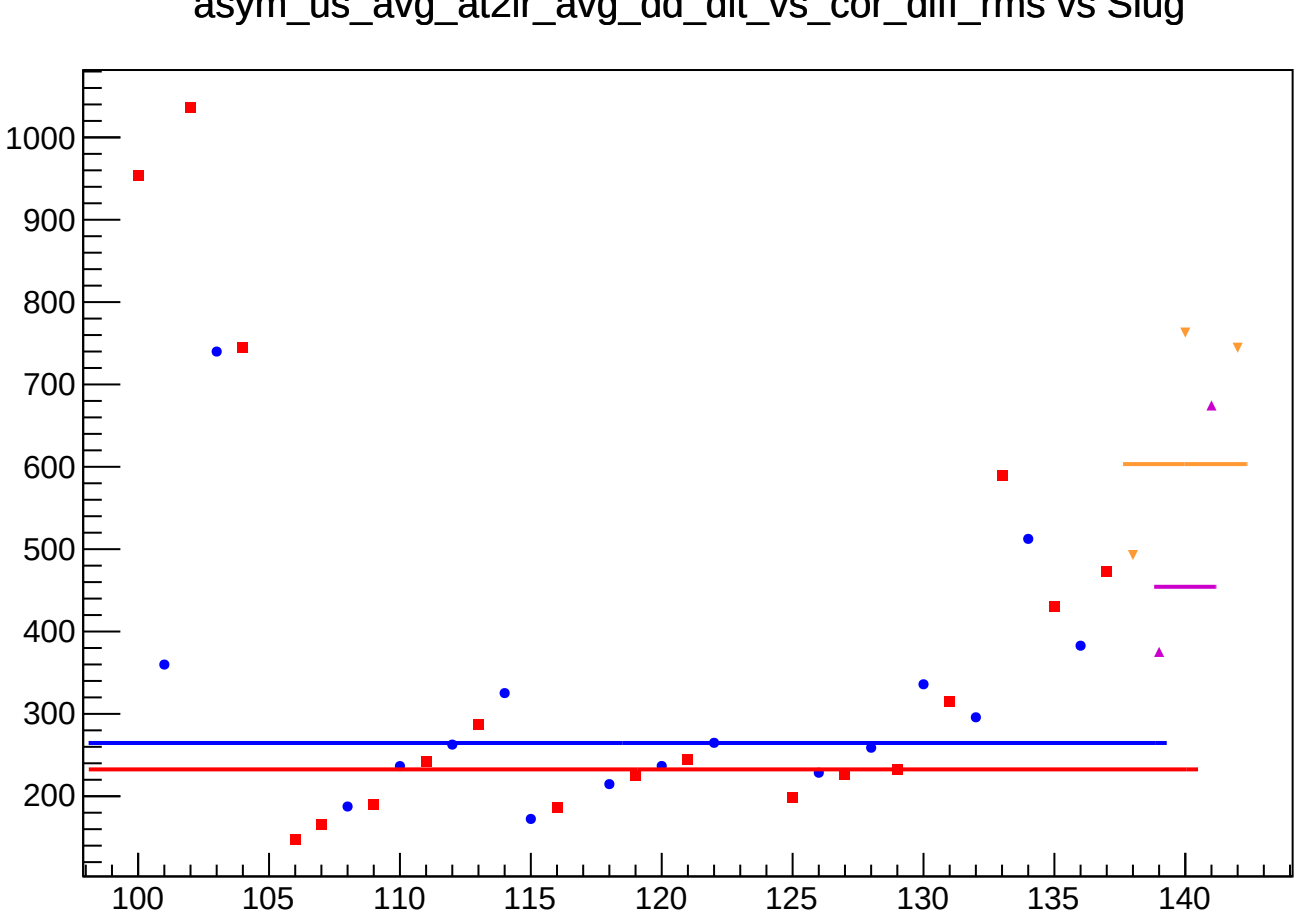
Left In: 0.000+/-0.000 χ^2/NDF:250898.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 2116561.3/18

All: 0.000+/-0.000 χ^2/NDF: 4700723.9/38

- sign 0.000+/-0.000 χ^2/NDF: 2568808.7/19


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
105
110
115
120
125
130
135
140
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.824+/-0.436 χ²/NDF:0.8/2
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.634+/-0.370 χ²/NDF:3.9/1
+ sign 0.037+/-0.102 χ²/NDF: 13.8/18
All: 0.038+/-0.069 χ²/NDF: 43.1/38
- sign 0.039+/-0.094 χ²/NDF: 29.3/19



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.317+/-0.309 χ^2/NDF:177937.4/2

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

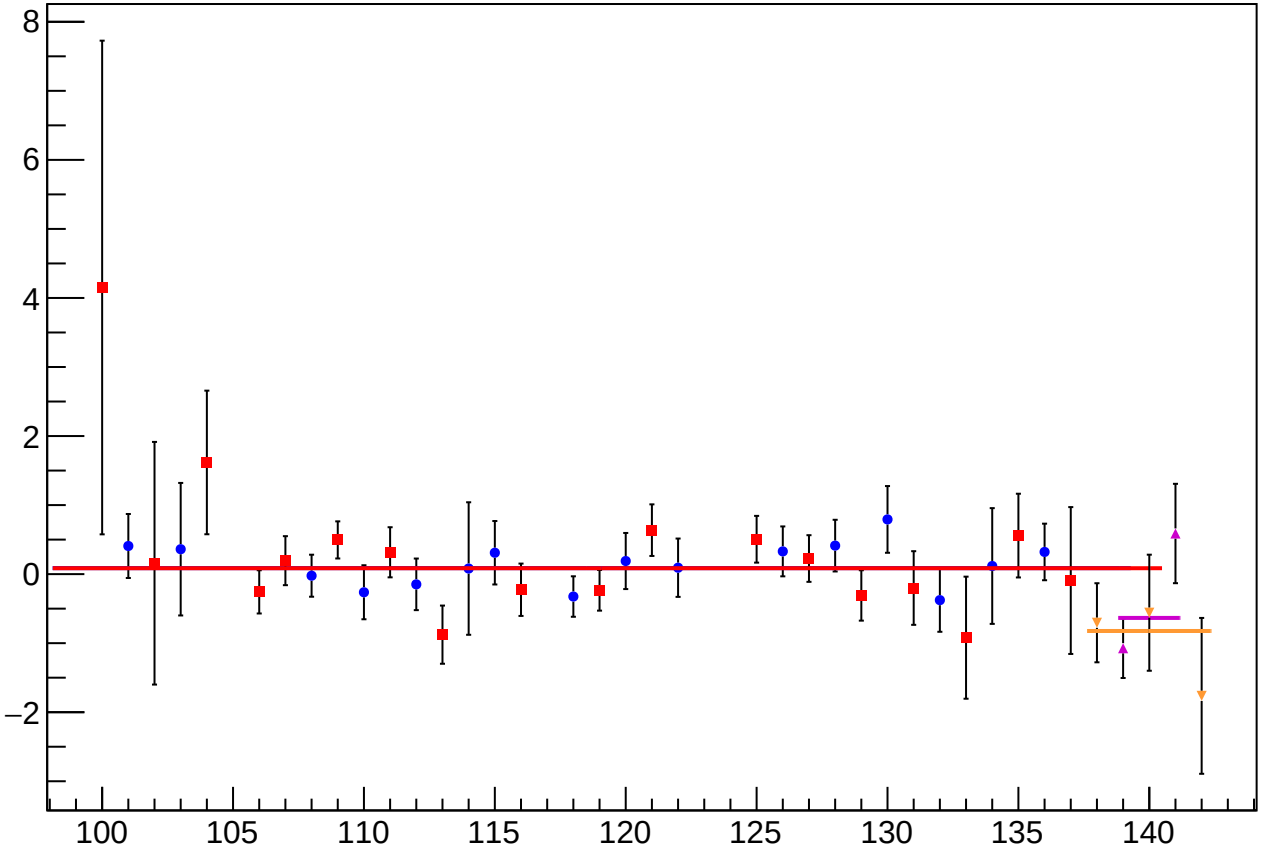
Left In: 454.317+/-0.262 χ^2/NDF:254373.8/1

+ sign 283.220+/-0.072 χ^2/NDF: 2599974.9/18

All: 263.606+/-0.049 χ^2/NDF: 5695287.5/38

- sign 246.952+/-0.067 χ^2/NDF: 2958993.9/19

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.824+/-0.436 χ^2/NDF:0.8/2

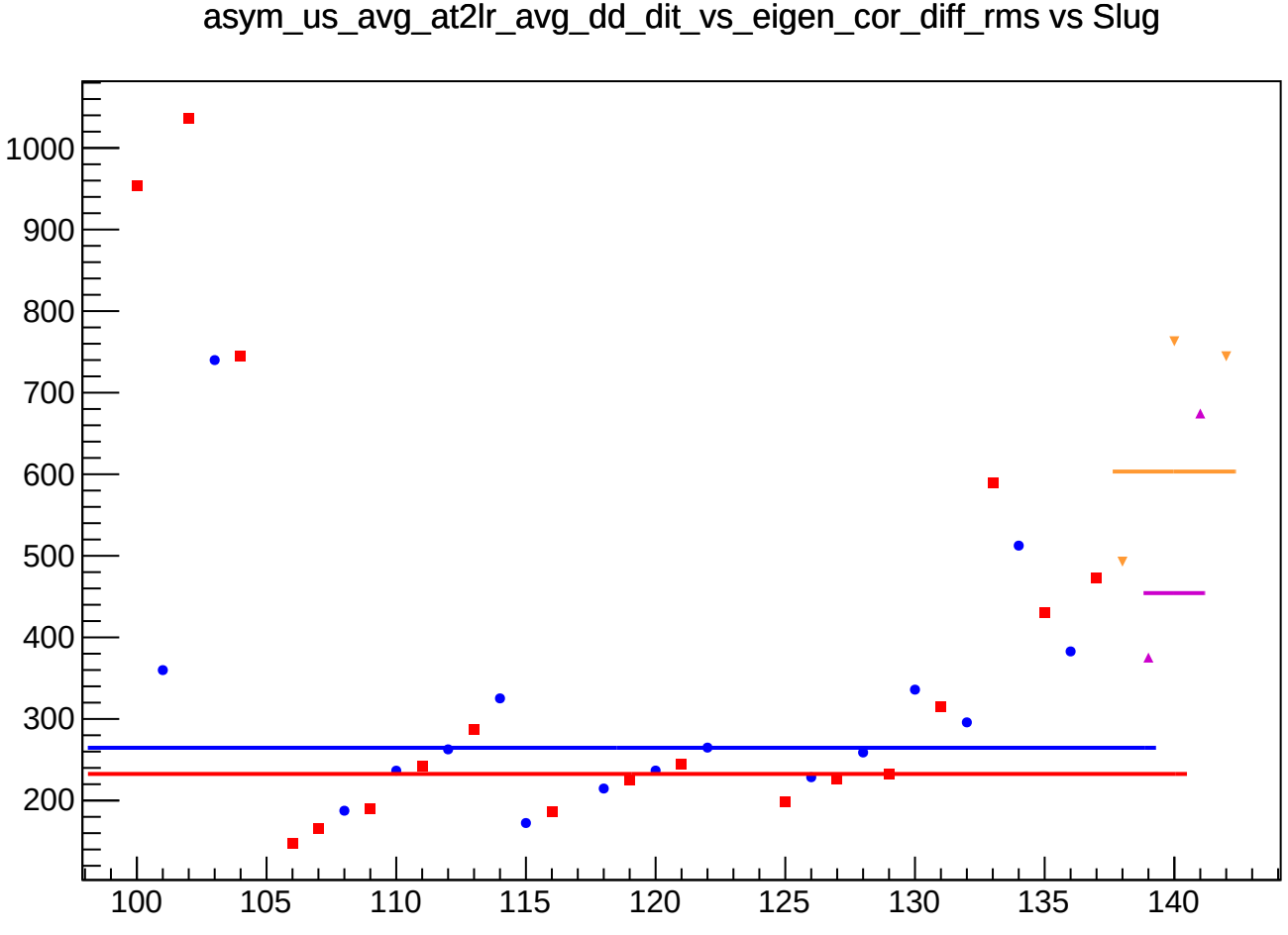
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.634+/-0.370 χ^2/NDF:3.9/1

+ sign 0.037+/-0.102 χ^2/NDF: 13.8/18

All: 0.038+/-0.069 χ^2/NDF: 43.1/38

- sign 0.039+/-0.094 χ^2/NDF: 29.3/19



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.317+/-0.309 χ^2/NDF:177937.4/2

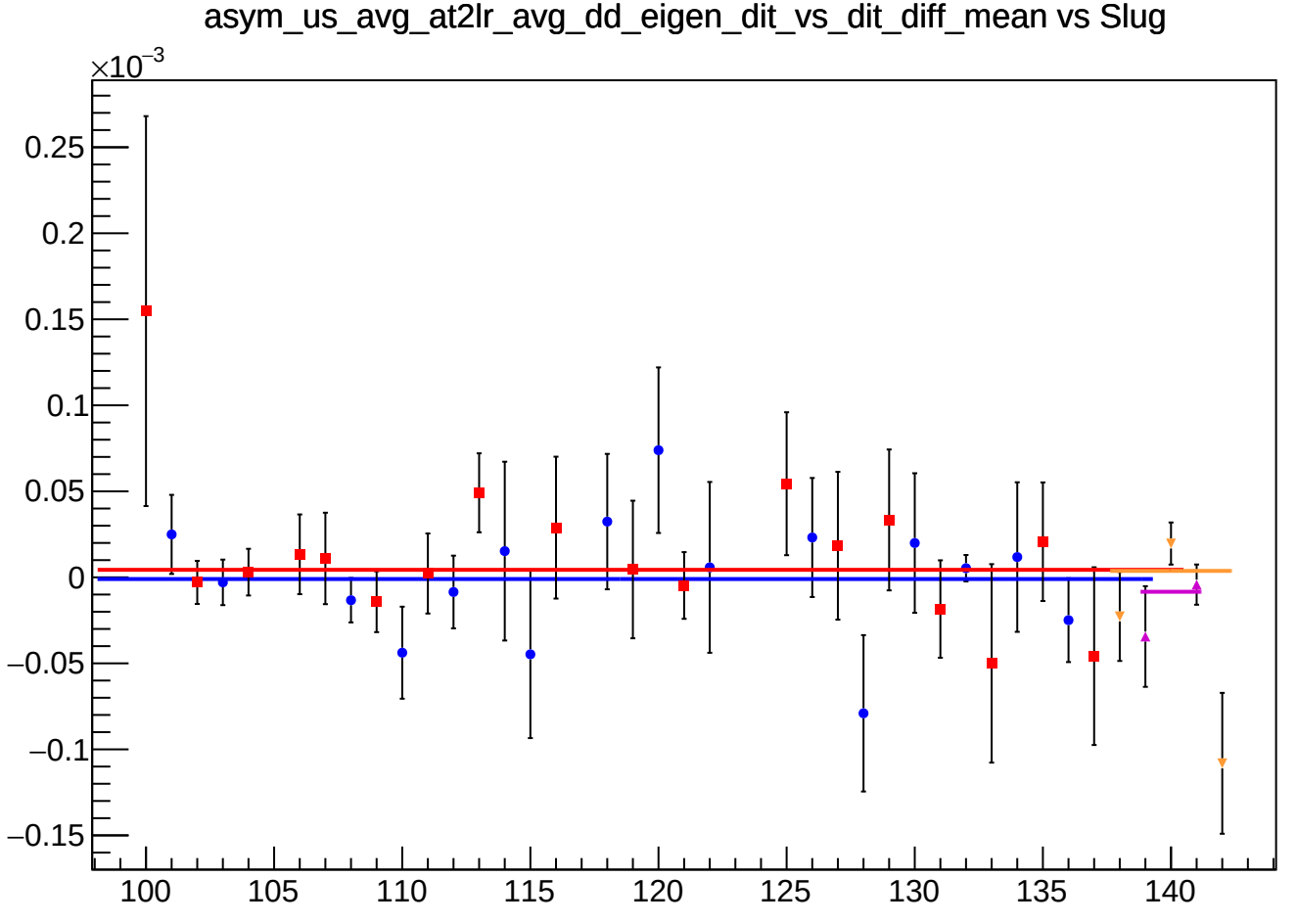
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 454.317+/-0.262 χ^2/NDF:254373.8/1

+ sign 283.220+/-0.072 χ^2/NDF: 2599974.9/18

All: 263.606+/-0.049 χ^2/NDF: 5695287.5/38

- sign 246.952+/-0.067 χ^2/NDF: 2958993.9/19



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/2

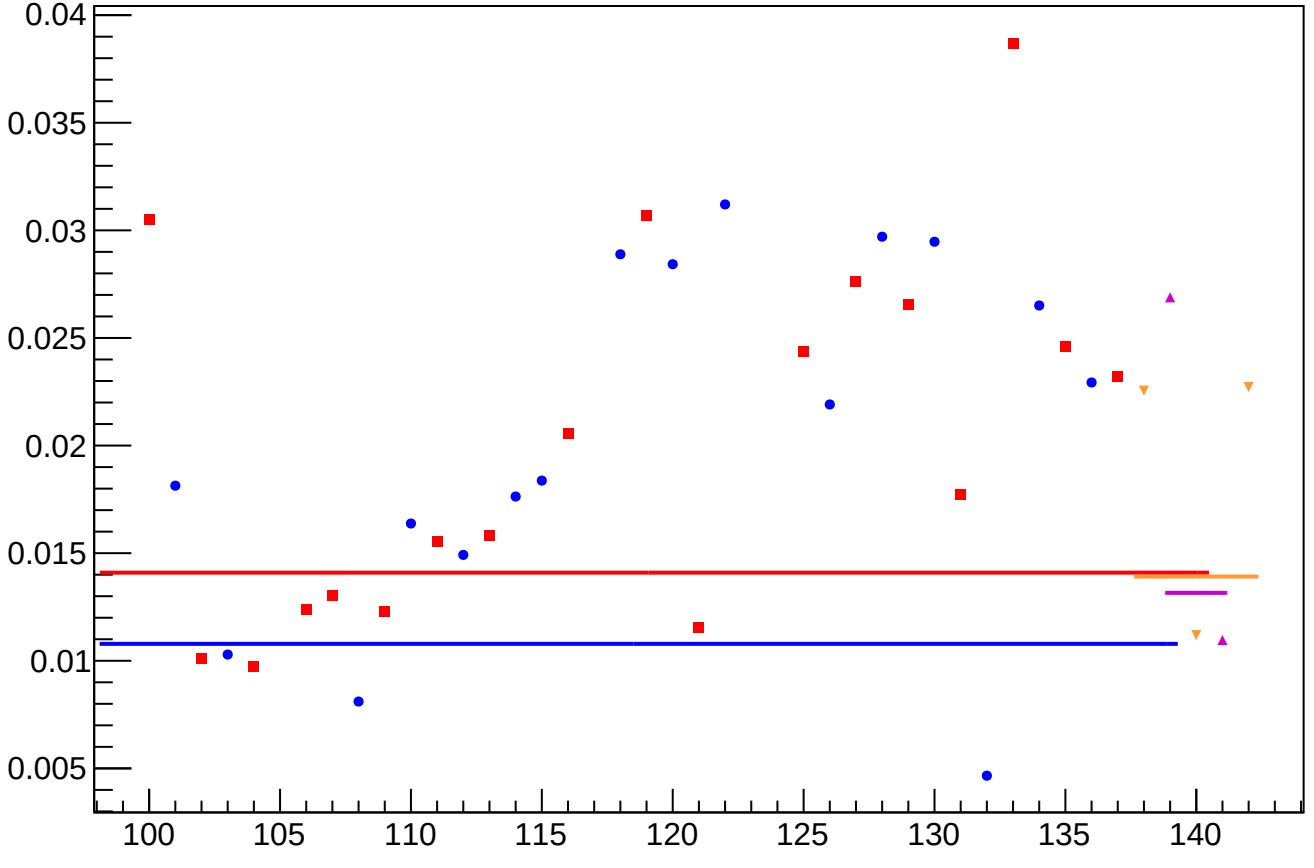
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/18

All: 0.000+/-0.000 χ^2/NDF: 39.4/38

- sign 0.000+/-0.000 χ^2/NDF: 14.6/19



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.014+/-0.000 χ^2/NDF:413617.0/2

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

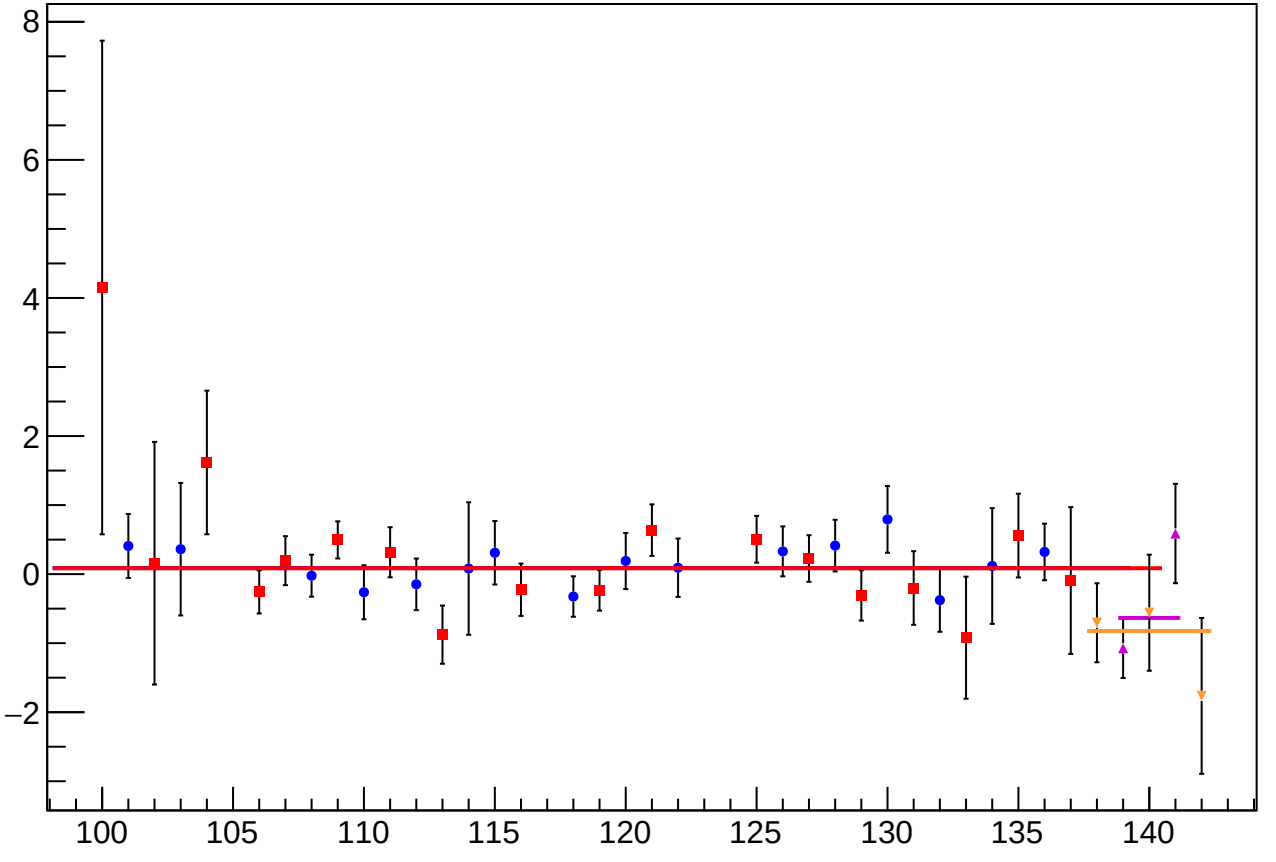
Left In: 0.013+/-0.000 χ^2/NDF:511023.5/1

+ sign 0.011+/-0.000 χ^2/NDF: 5134584.7/18

All: 0.012+/-0.000 χ^2/NDF: 8025104.0/38

- sign 0.014+/-0.000 χ^2/NDF: 2607671.1/19

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: -0.824+/-0.436 χ^2/NDF:0.8/2

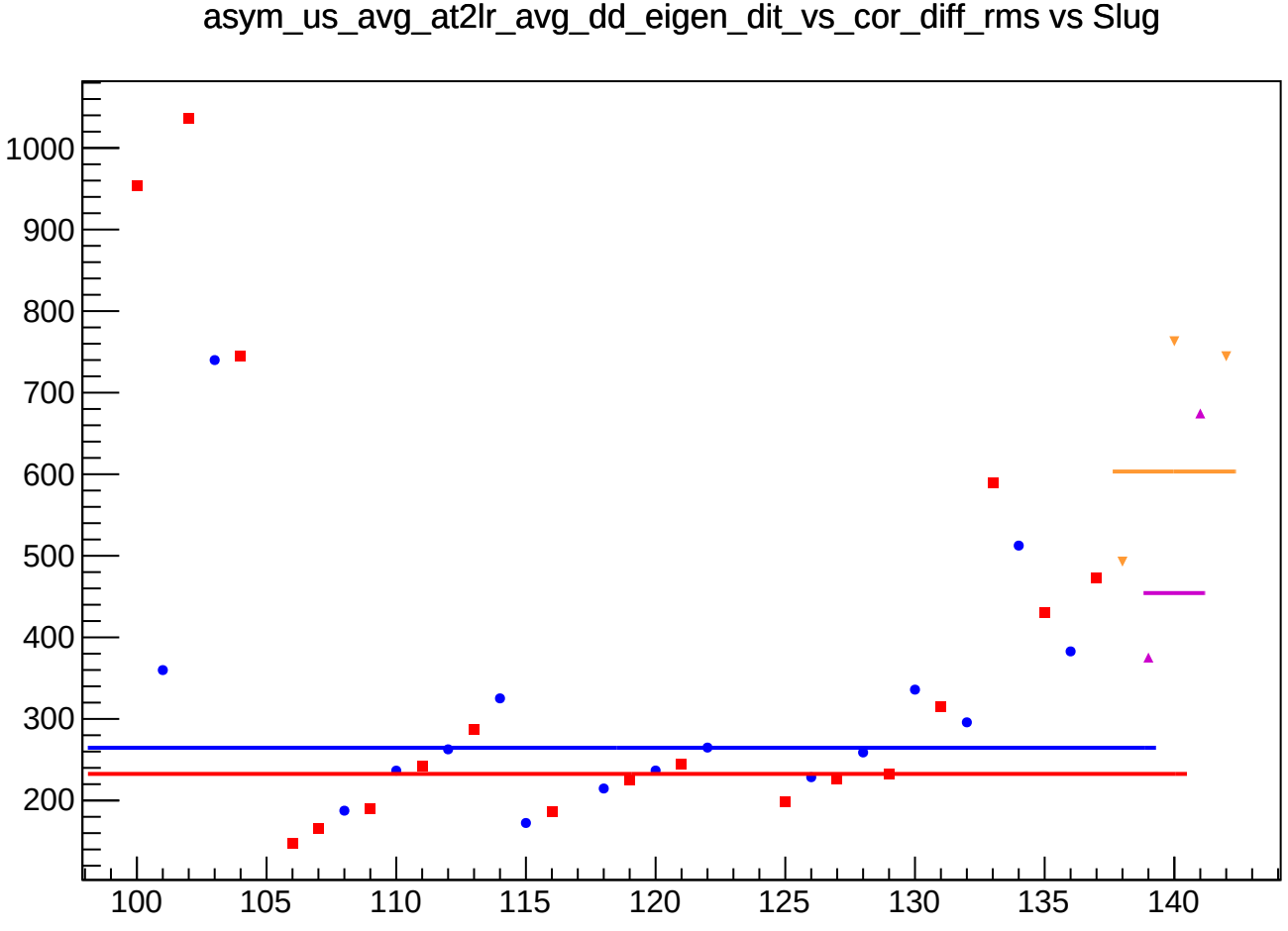
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.634+/-0.370 χ^2/NDF:3.9/1

+ sign 0.037+/-0.102 χ^2/NDF: 13.8/18

All: 0.038+/-0.069 χ^2/NDF: 43.1/38

- sign 0.039+/-0.094 χ^2/NDF: 29.3/19



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.323+/-0.309 χ^2/NDF:177933.5/2

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

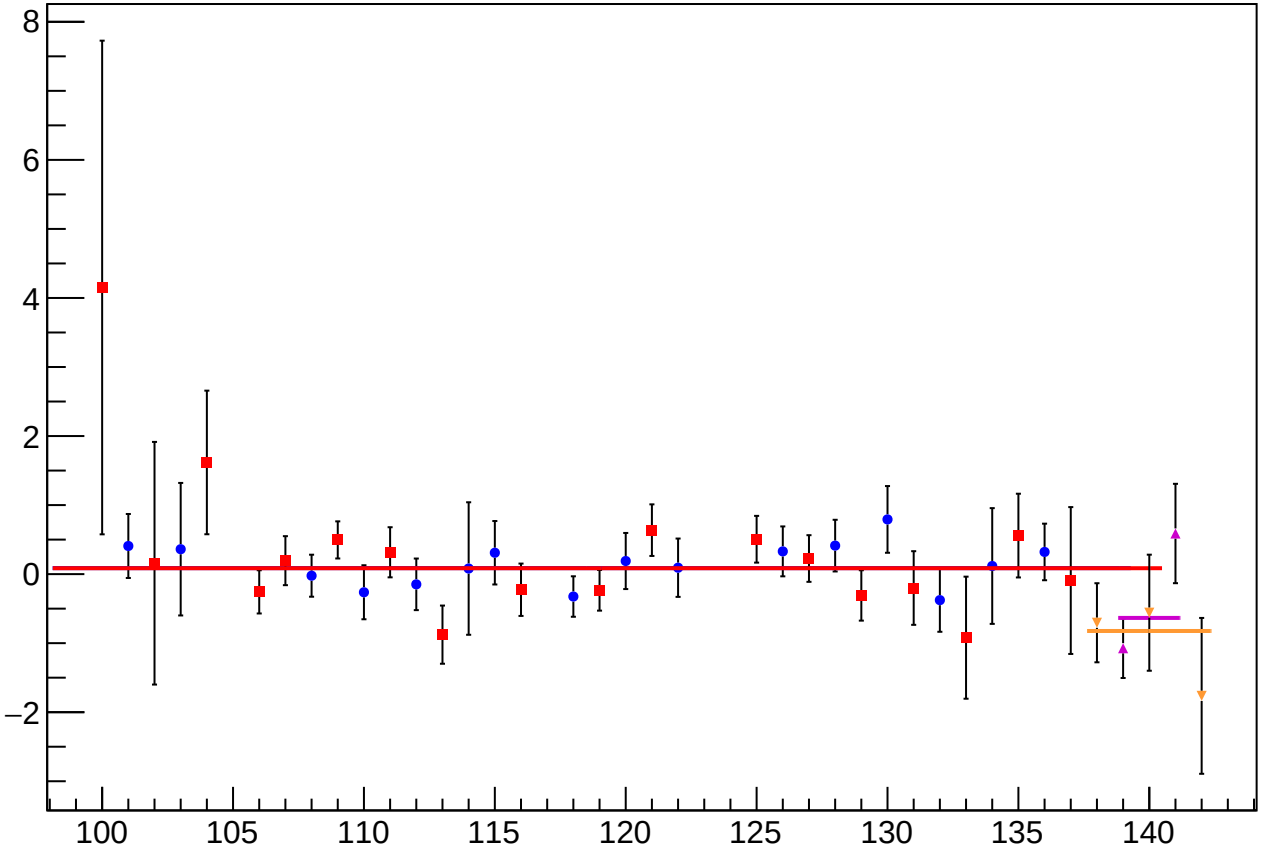
Left In: 454.326+/-0.262 χ^2/NDF:254359.0/1

+ sign 283.219+/-0.072 χ^2/NDF: 2599965.9/18

All: 263.606+/-0.049 χ^2/NDF: 5695277.1/38

- sign 246.953+/-0.067 χ^2/NDF: 2959000.2/19

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.824+/-0.436 χ^2/NDF:0.8/2

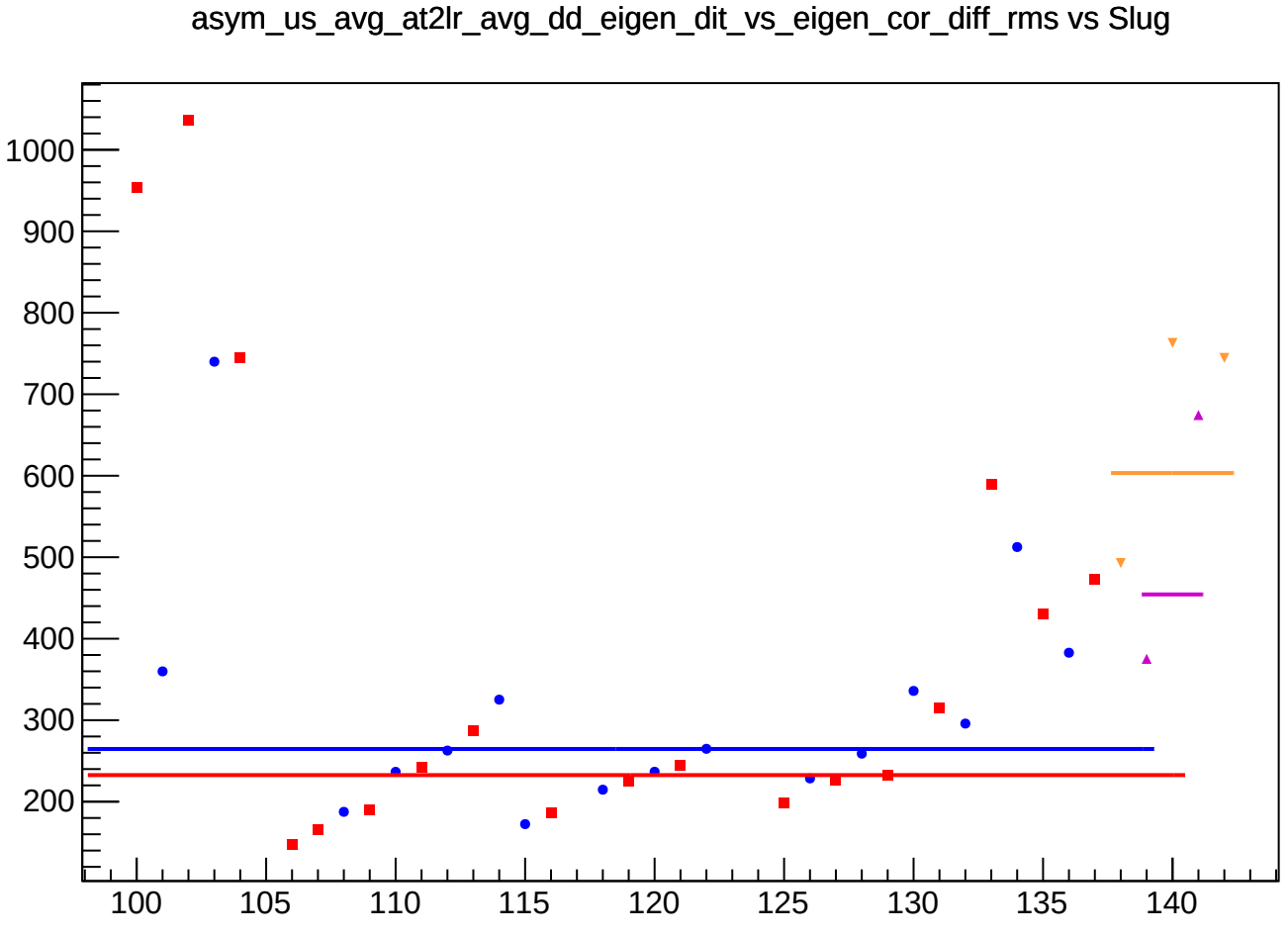
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.634+/-0.370 χ^2/NDF:3.9/1

+ sign 0.037+/-0.102 χ^2/NDF: 13.8/18

All: 0.038+/-0.069 χ^2/NDF: 43.1/38

- sign 0.039+/-0.094 χ^2/NDF: 29.3/19



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.323+/-0.309 χ^2/NDF:177933.5/2

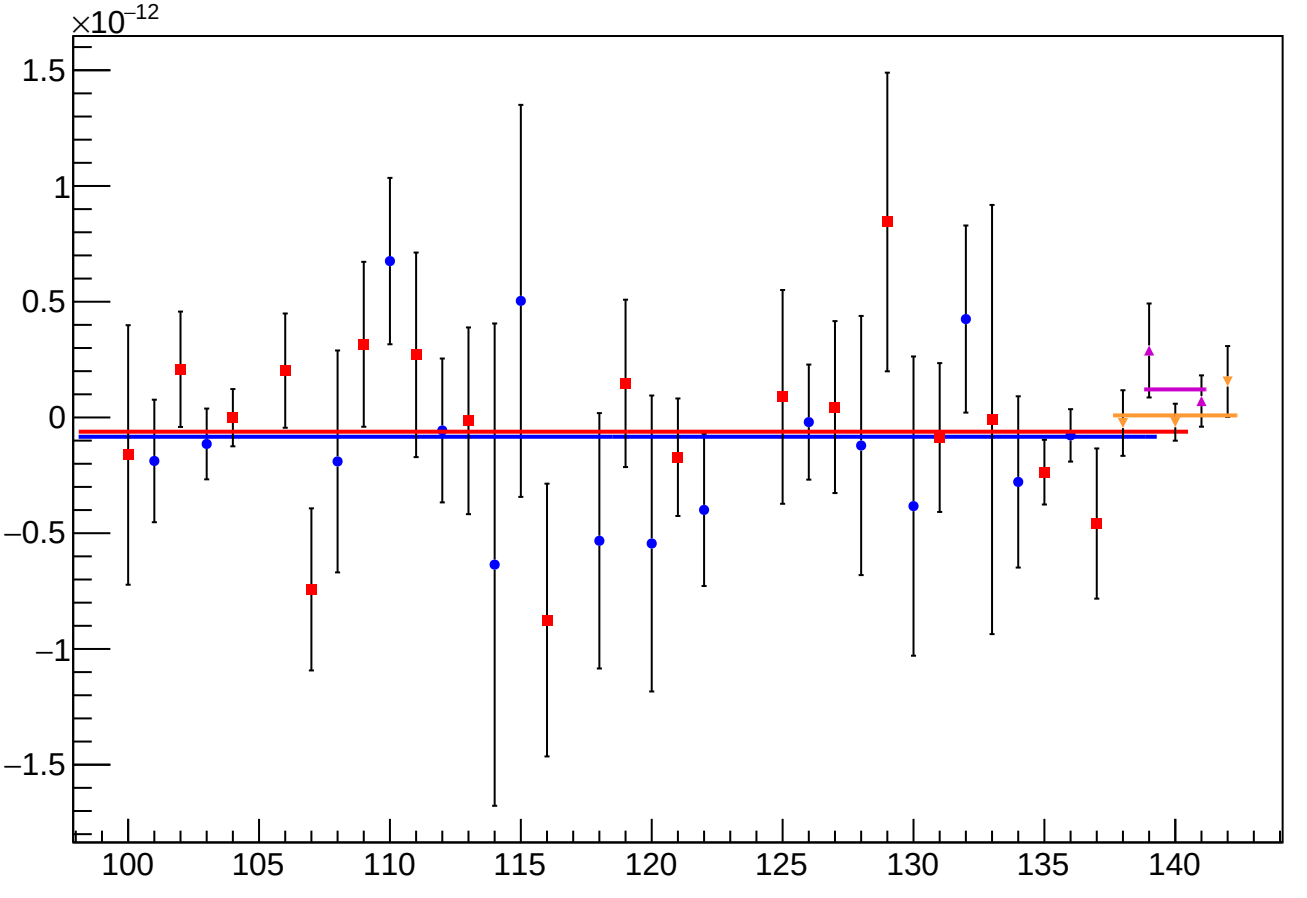
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 454.326+/-0.262 χ^2/NDF:254359.0/1

+ sign 283.219+/-0.072 χ^2/NDF: 2599965.9/18

All: 263.606+/-0.049 χ^2/NDF: 5695277.1/38

- sign 246.953+/-0.067 χ^2/NDF: 2959000.2/19



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/2

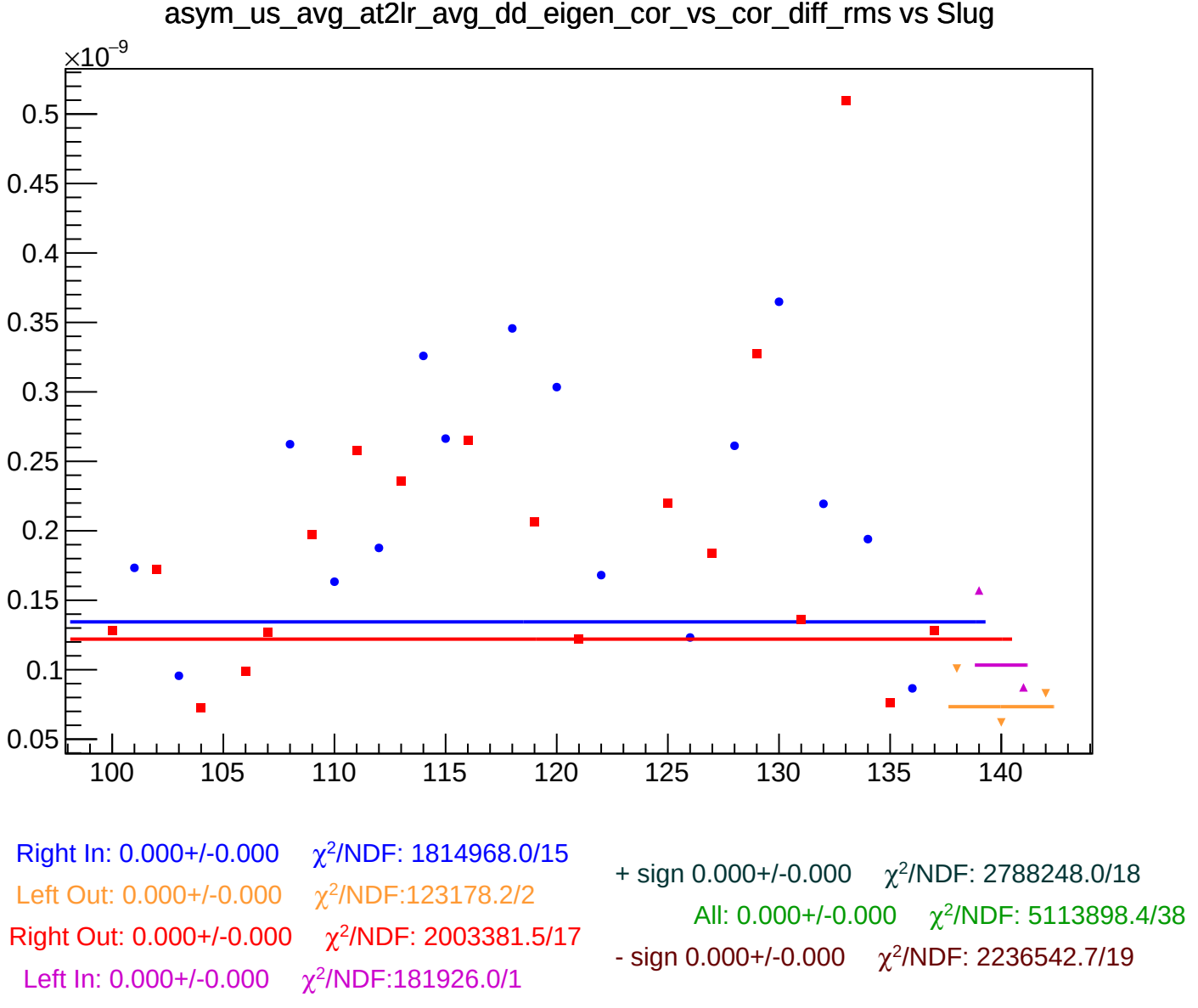
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

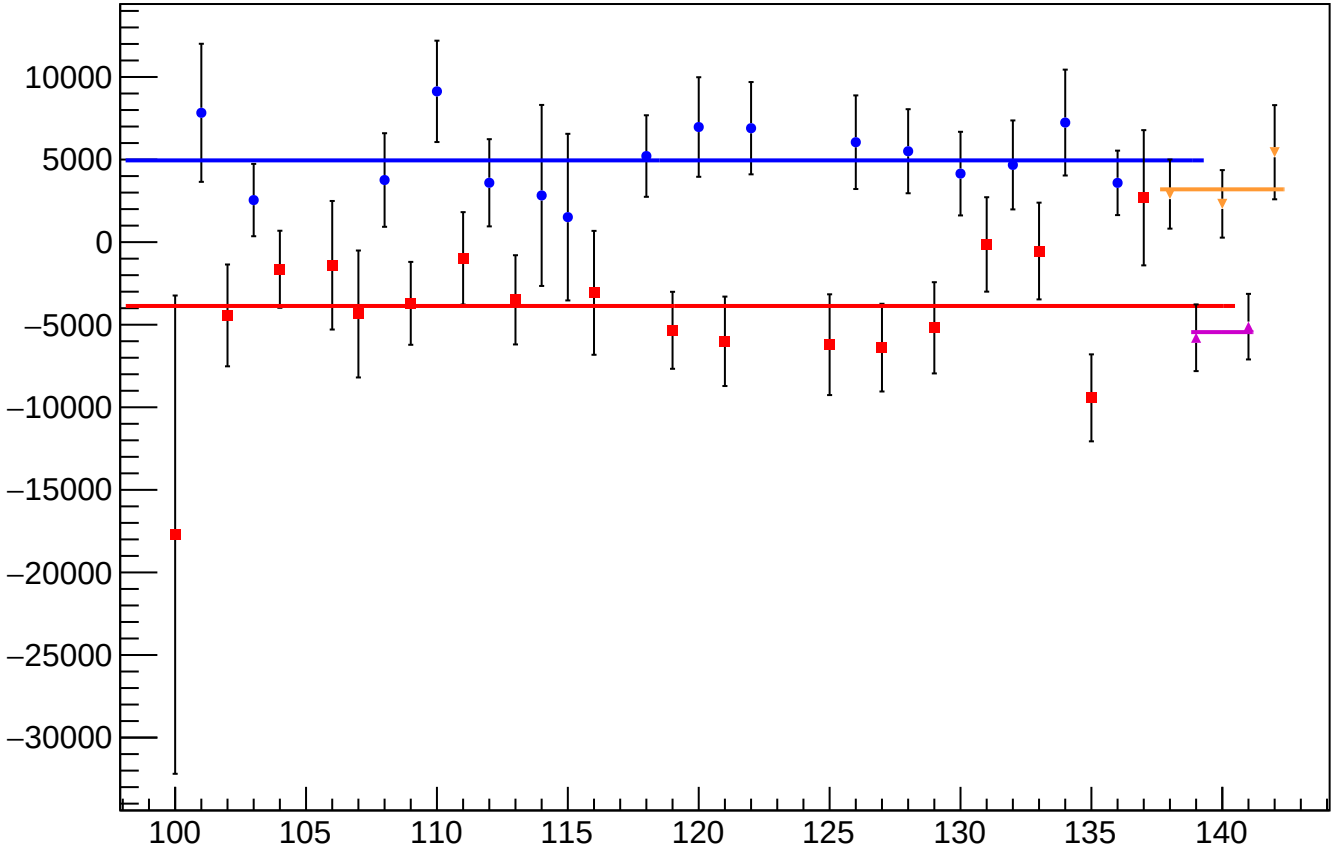
+ sign -0.000+/-0.000 χ^2/NDF: 11.8/18

All: -0.000+/-0.000 χ^2/NDF: 31.0/38

- sign -0.000+/-0.000 χ^2/NDF: 19.1/19


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:123178.2/2
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:181926.0/1
+ sign 0.000+/-0.000 χ²/NDF: 2788248.0/18
All: 0.000+/-0.000 χ²/NDF: 5113898.4/38
- sign 0.000+/-0.000 χ²/NDF: 2236542.7/19

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.365+/-1301.168 χ^2/NDF:0.8/2

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

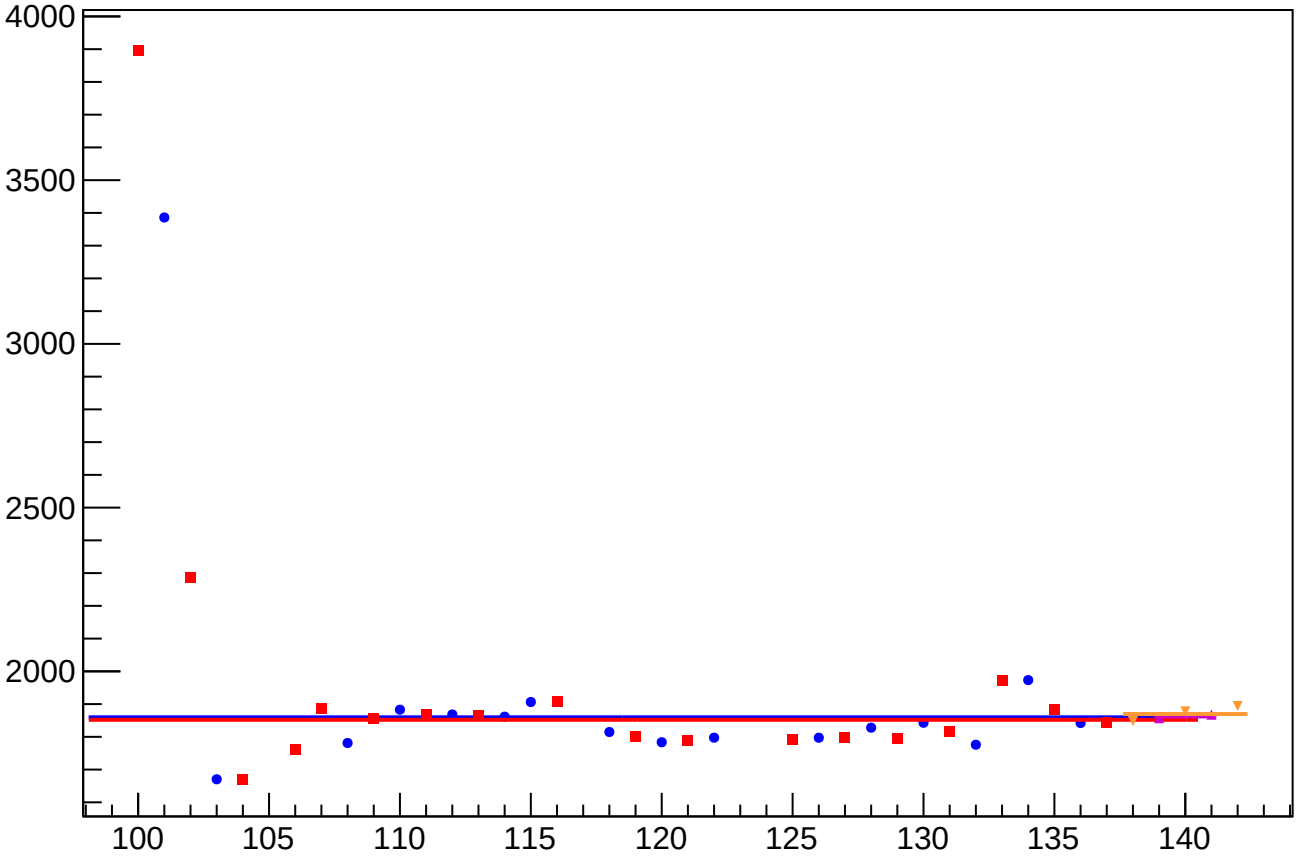
Left In: -5447.924+/-1415.728 χ^2/NDF:0.1/1

+ sign 4557.783+/-615.728 χ^2/NDF: 9.1/18

All: 253.706+/-438.434 χ^2/NDF: 125.4/38

- sign -4173.070+/-624.442 χ^2/NDF: 17.2/19

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1869.632+/-0.920 χ^2/NDF:388.7/2

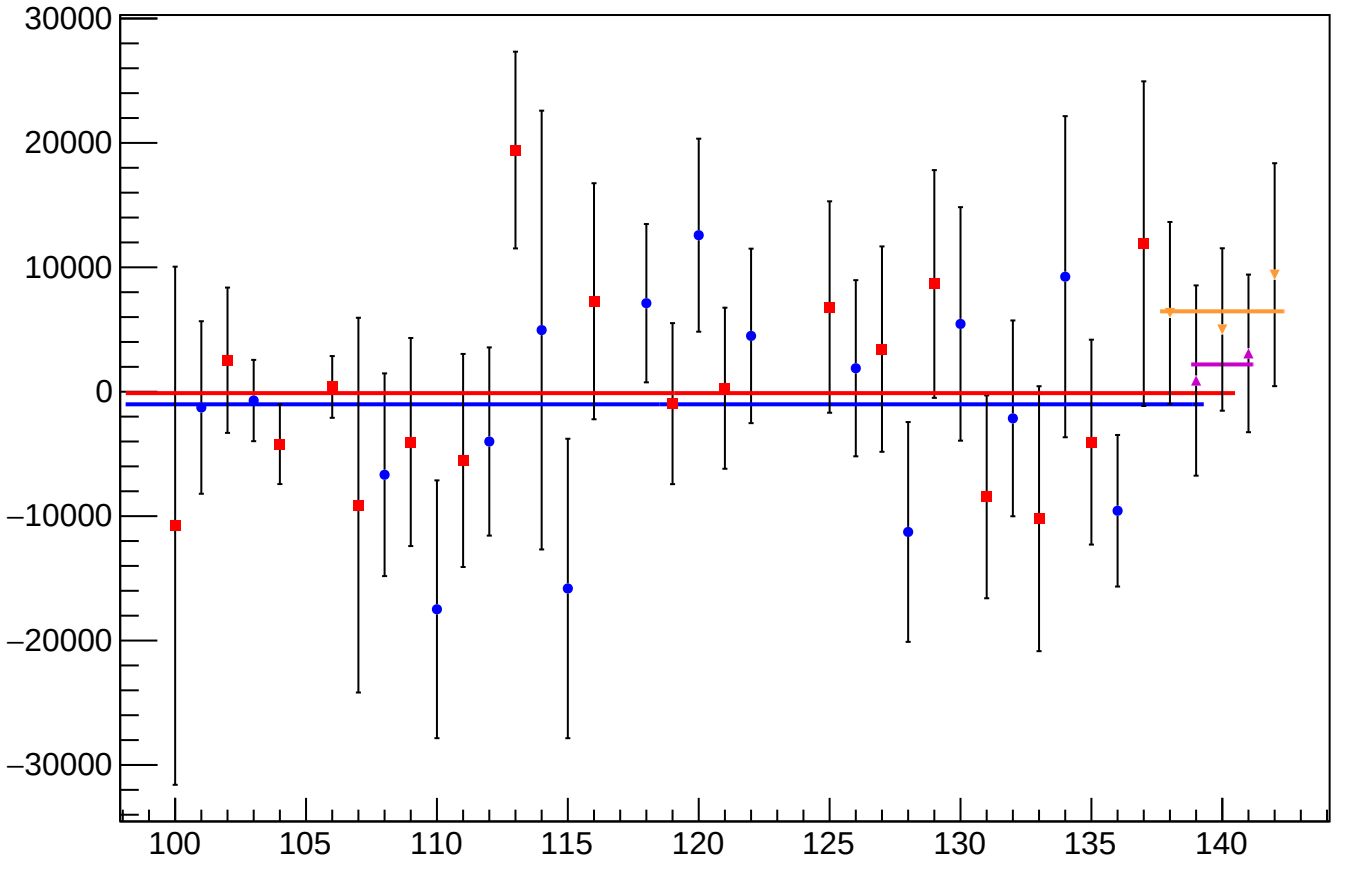
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1862.361+/-1.001 χ^2/NDF:28.9/1

+ sign 1861.776+/-0.435 χ^2/NDF: 292817.2/18

All: 1857.962+/-0.310 χ^2/NDF: 395299.3/38

- sign 1854.058+/-0.440 χ^2/NDF: 102326.8/19



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 6463.163+/-4278.679 χ^2/NDF:0.2/2

Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

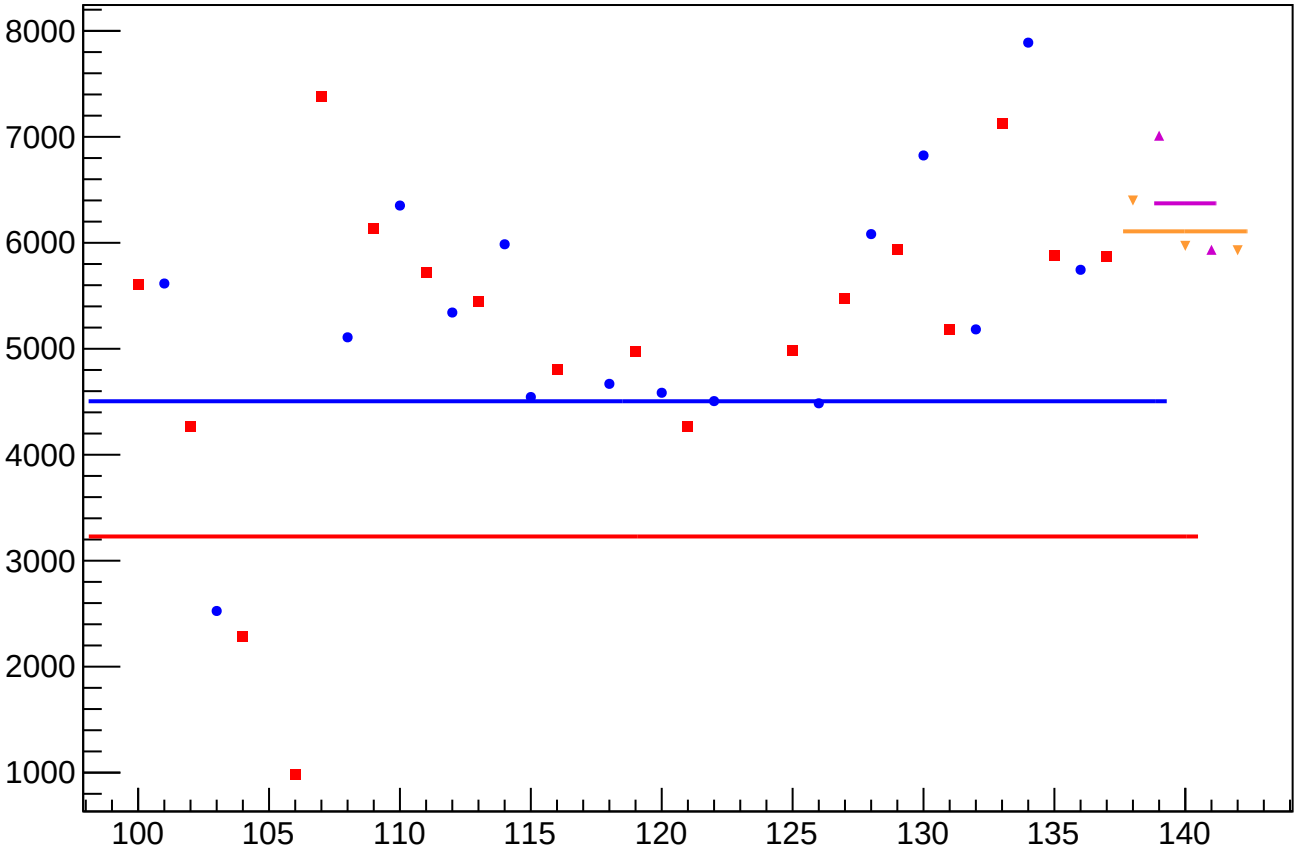
Left In: 2193.915+/-4878.343 χ^2/NDF:0.0/1

\+ sign 75.636+/-1630.980 χ^2/NDF: 17.5/18

All: 74.185+/-1053.393 χ^2/NDF: 32.4/38

\- sign 73.146+/-1379.777 χ^2/NDF: 14.9/19

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6108.212+/-3.025 χ^2/NDF:4839.0/2

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

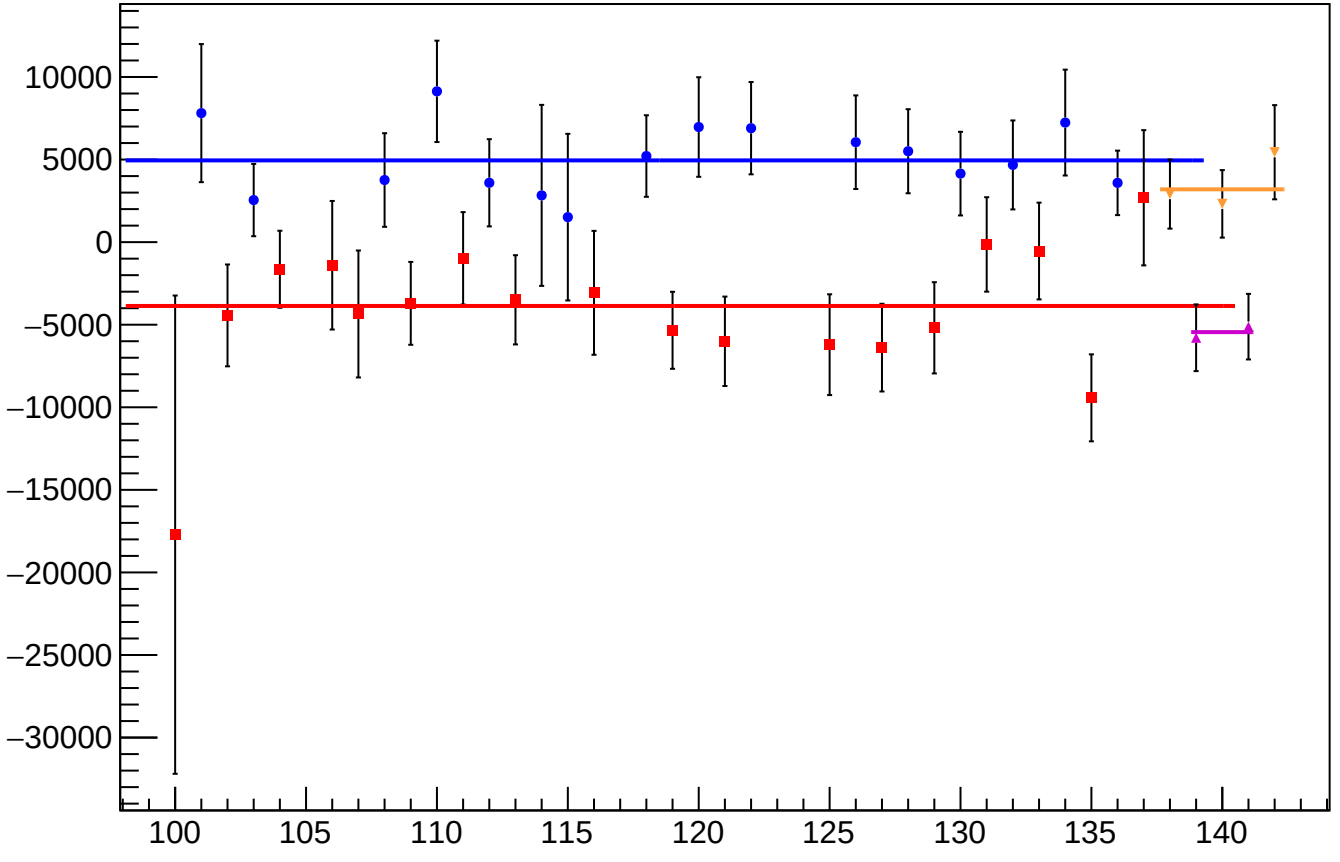
Left In: 6372.573+/-3.450 χ^2/NDF:23510.4/1

+ sign 4737.772+/-1.153 χ^2/NDF: 1566003.4/18

All: 4004.735+/-0.745 χ^2/NDF: 7003293.9/38

- sign 3480.113+/-0.976 χ^2/NDF: 4744149.5/19

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.397+/-1301.168 χ^2/NDF:0.8/2

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

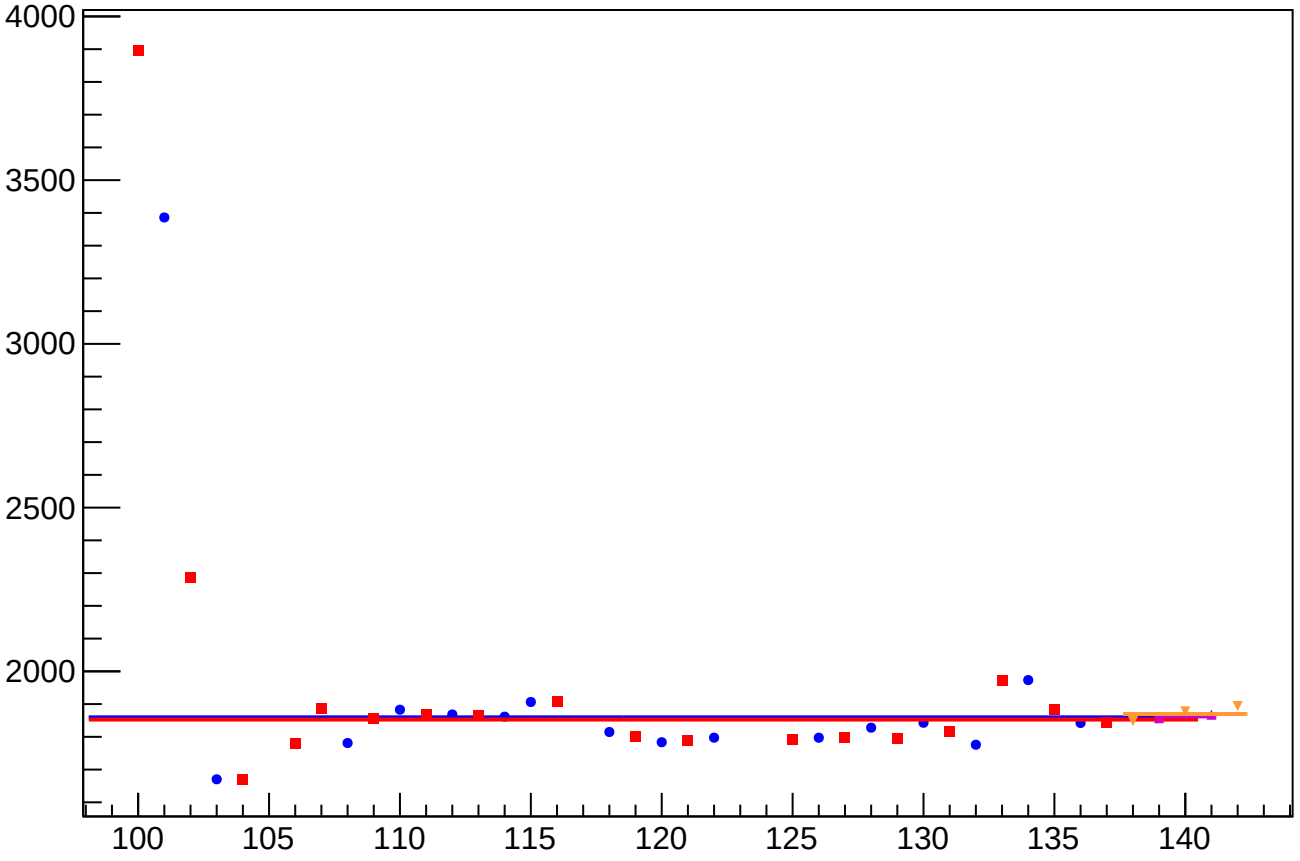
Left In: -5448.265+/-1415.728 χ^2/NDF:0.1/1

+ sign 4557.416+/-615.728 χ^2/NDF: 9.1/18

All: 253.572+/-438.434 χ^2/NDF: 125.4/38

- sign -4172.964+/-624.442 χ^2/NDF: 17.2/19

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1869.632+/-0.920 χ^2/NDF:388.7/2

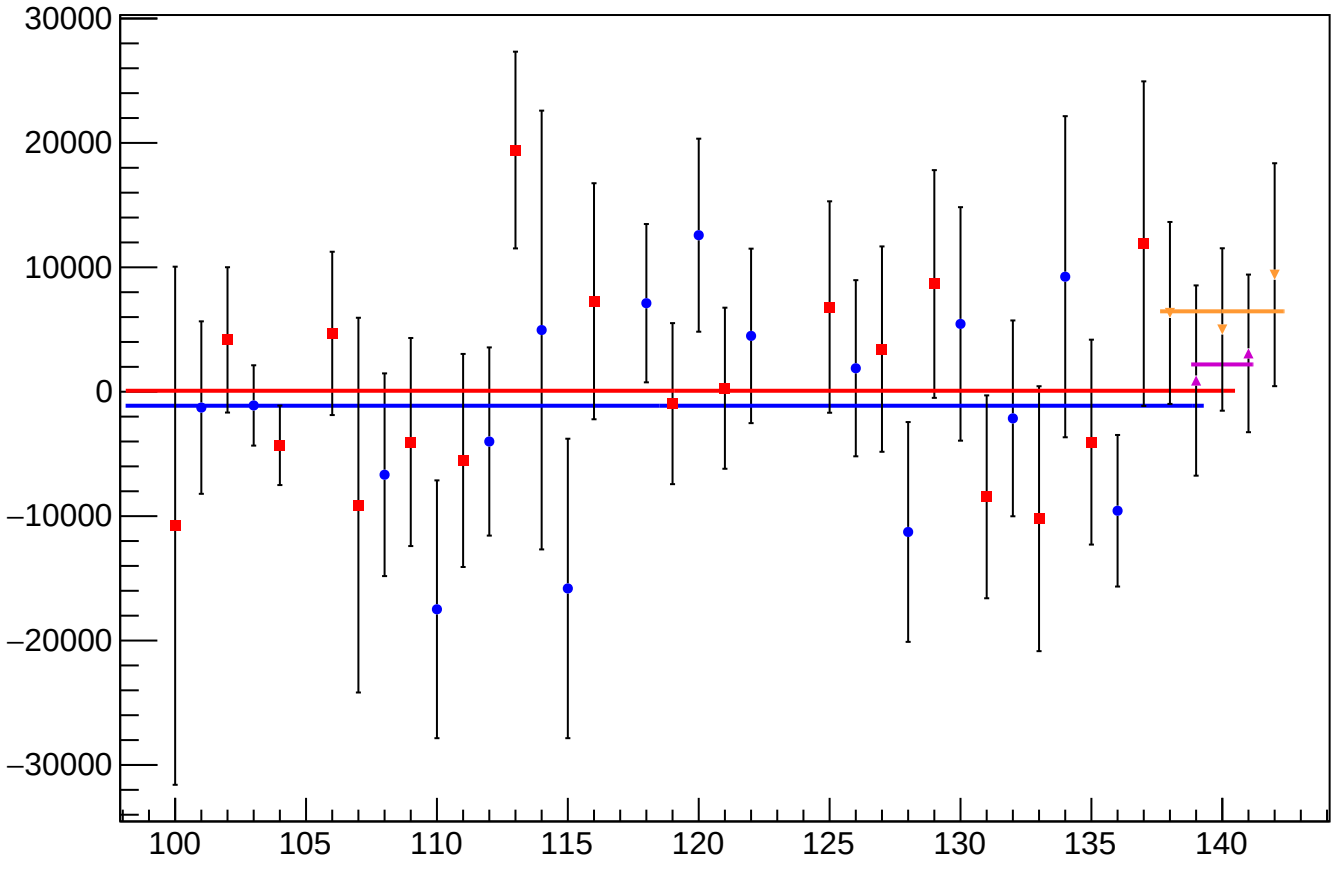
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1862.361+/-1.001 χ^2/NDF:28.9/1

+ sign 1861.776+/-0.435 χ^2/NDF: 292819.1/18

All: 1858.244+/-0.310 χ^2/NDF: 394805.7/38

- sign 1854.628+/-0.441 χ^2/NDF: 101853.5/19



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 6463.196+/-4278.671 χ^2/NDF:0.2/2

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

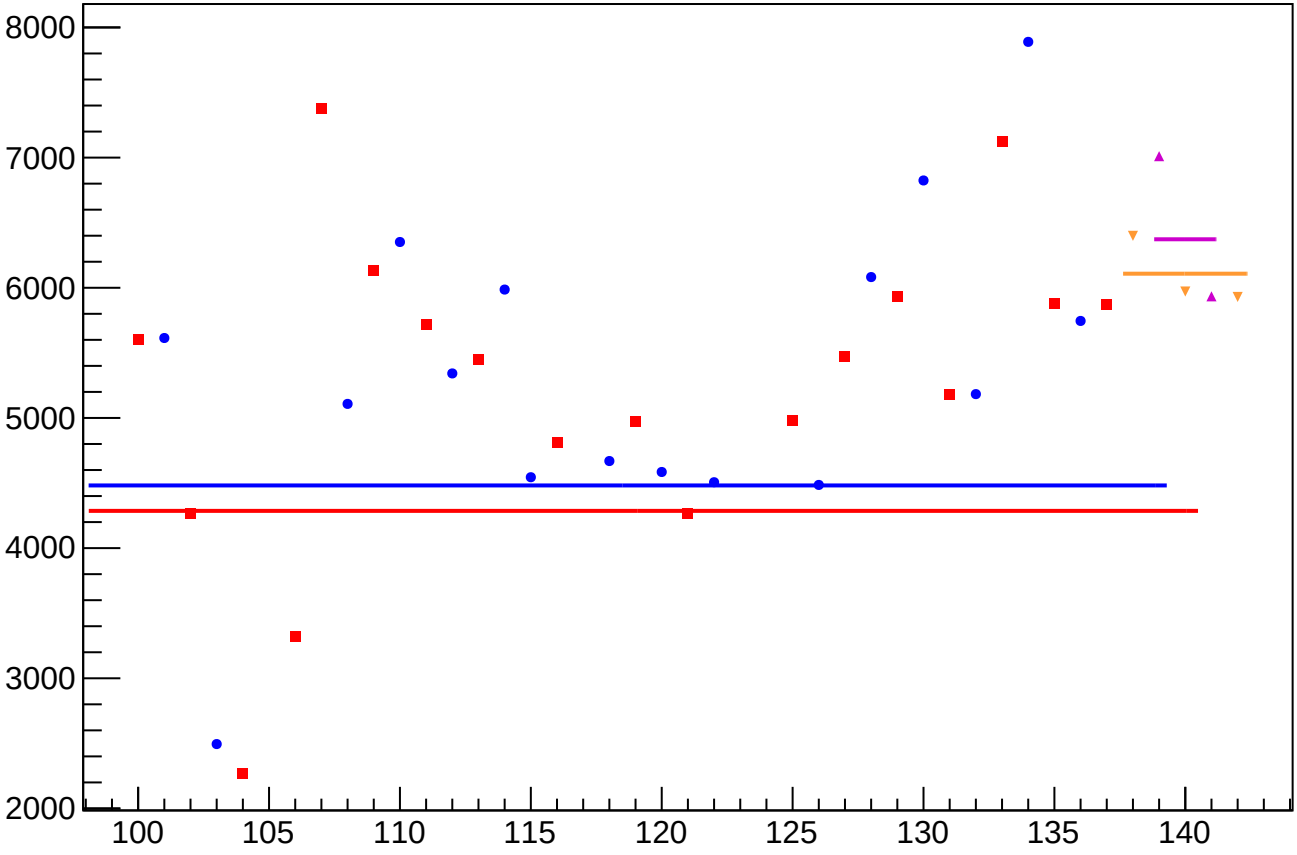
Left In: 2194.000+/-4878.340 χ^2/NDF:0.0/1

+ sign -29.615+/-1625.995 χ^2/NDF: 17.6/18

All: 141.119+/-1143.112 χ^2/NDF: 33.4/38

- sign 307.965+/-1607.376 χ^2/NDF: 15.8/19

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: 6108.199+/-3.025 χ^2/NDF:4839.5/2

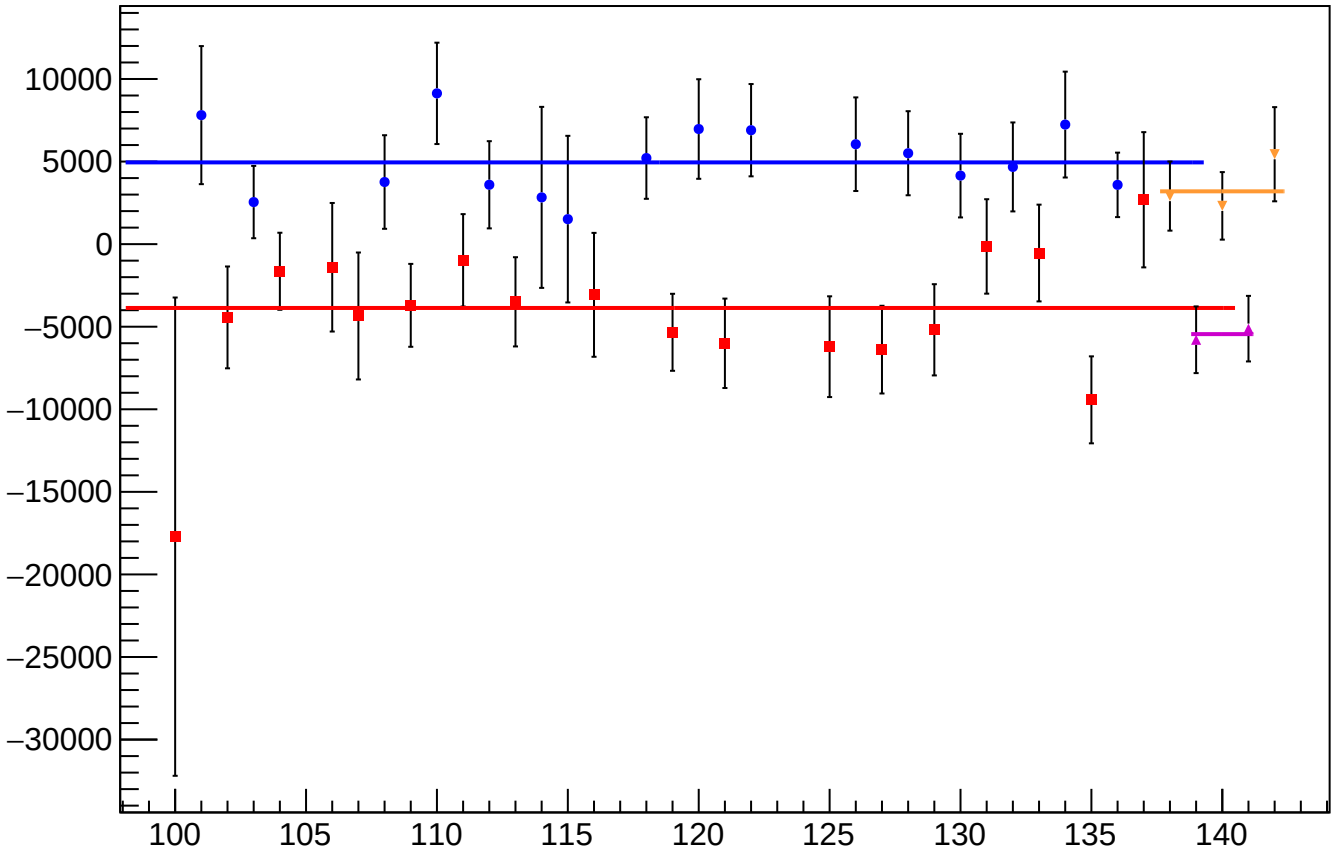
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6372.566+/-3.450 χ^2/NDF:23511.4/1

+ sign 4716.440+/-1.150 χ^2/NDF: 1614425.6/18

All: 4613.366+/-0.808 χ^2/NDF: 3529808.0/38

- sign 4512.640+/-1.137 χ^2/NDF: 1899491.8/19



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.397+/-1301.168 χ^2/NDF:0.8/2

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

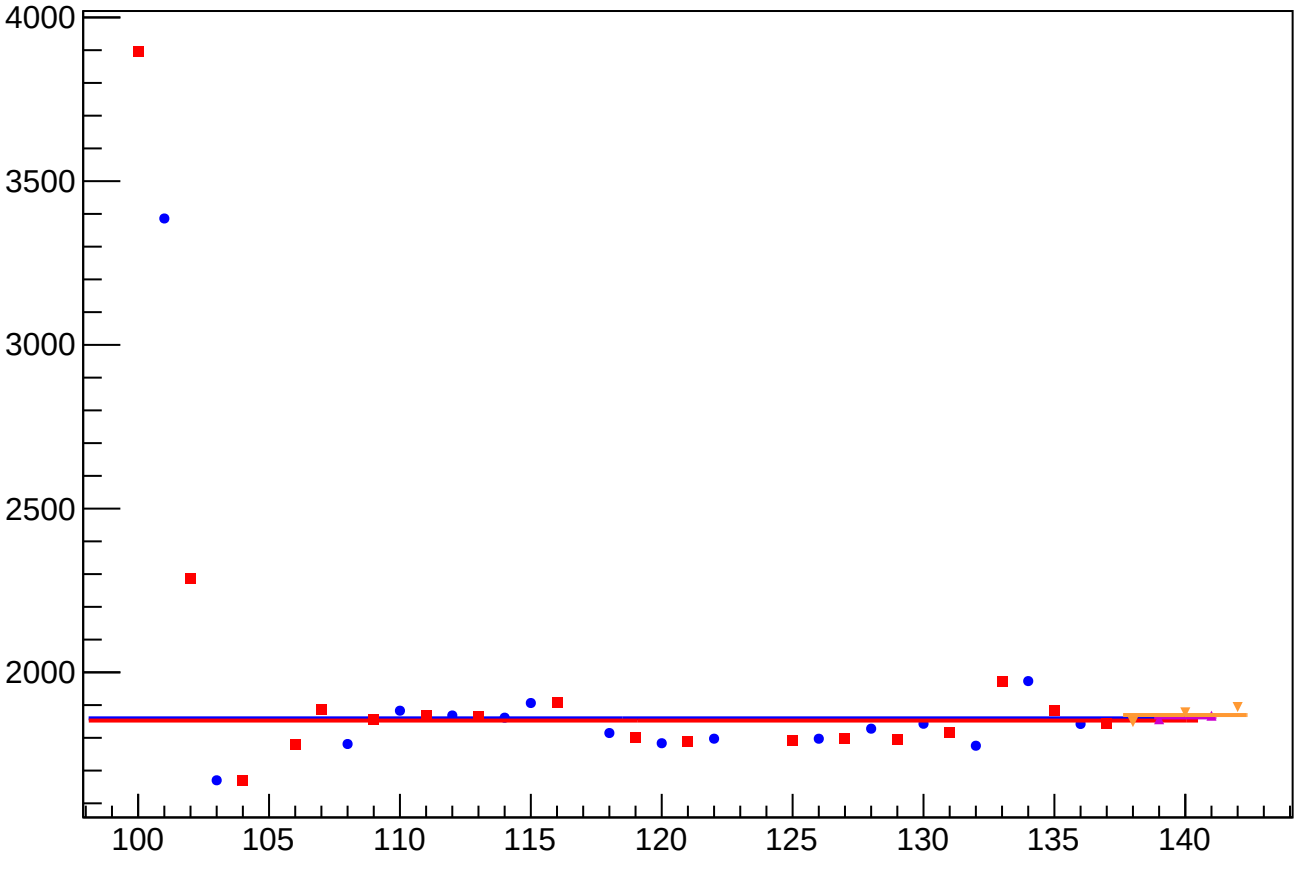
Left In: -5448.265+/-1415.728 χ^2/NDF:0.1/1

+ sign 4557.416+/-615.728 χ^2/NDF: 9.1/18

All: 253.572+/-438.434 χ^2/NDF: 125.4/38

- sign -4172.964+/-624.442 χ^2/NDF: 17.2/19

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: 1869.632+/-0.920 χ^2/NDF:388.7/2

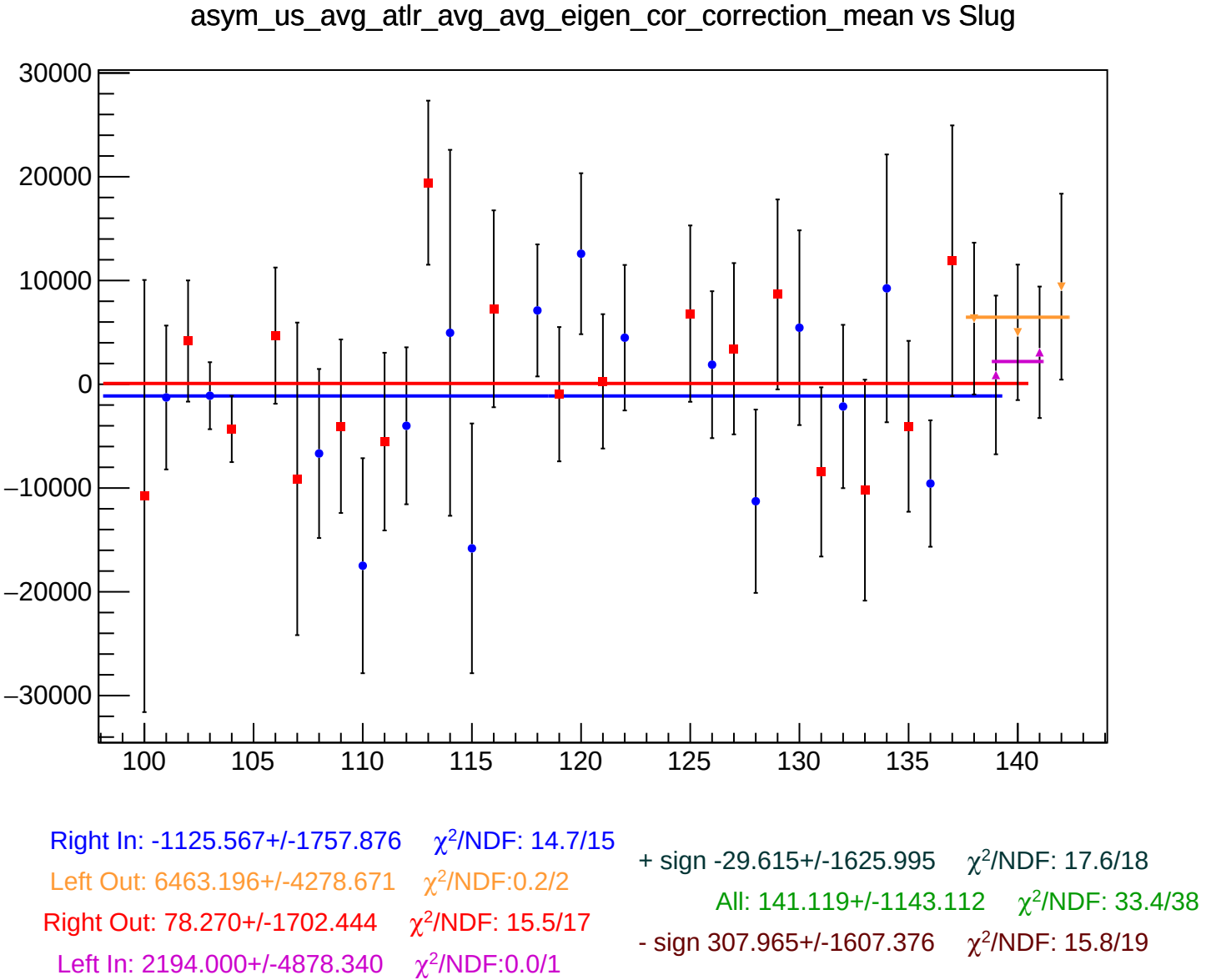
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

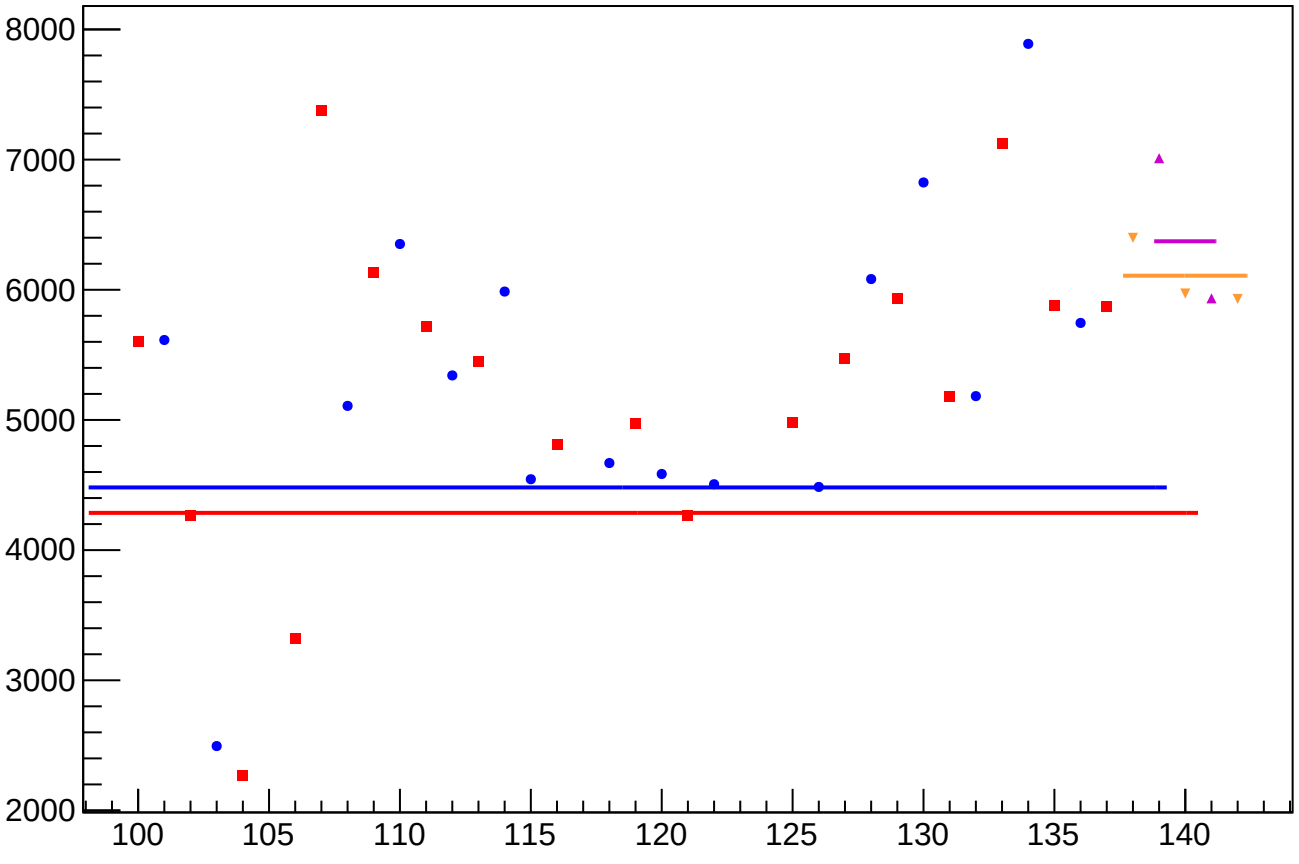
Left In: 1862.361+/-1.001 χ^2/NDF:28.9/1

+ sign 1861.776+/-0.435 χ^2/NDF: 292819.1/18

All: 1858.244+/-0.310 χ^2/NDF: 394805.7/38

- sign 1854.628+/-0.441 χ^2/NDF: 101853.5/19


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
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 6463.196+/-4278.671 χ²/NDF:0.2/2
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 2194.000+/-4878.340 χ²/NDF:0.0/1
+ sign -29.615+/-1625.995 χ²/NDF: 17.6/18
All: 141.119+/-1143.112 χ²/NDF: 33.4/38
- sign 307.965+/-1607.376 χ²/NDF: 15.8/19



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6108.199+/-3.025 χ^2/NDF:4839.5/2

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

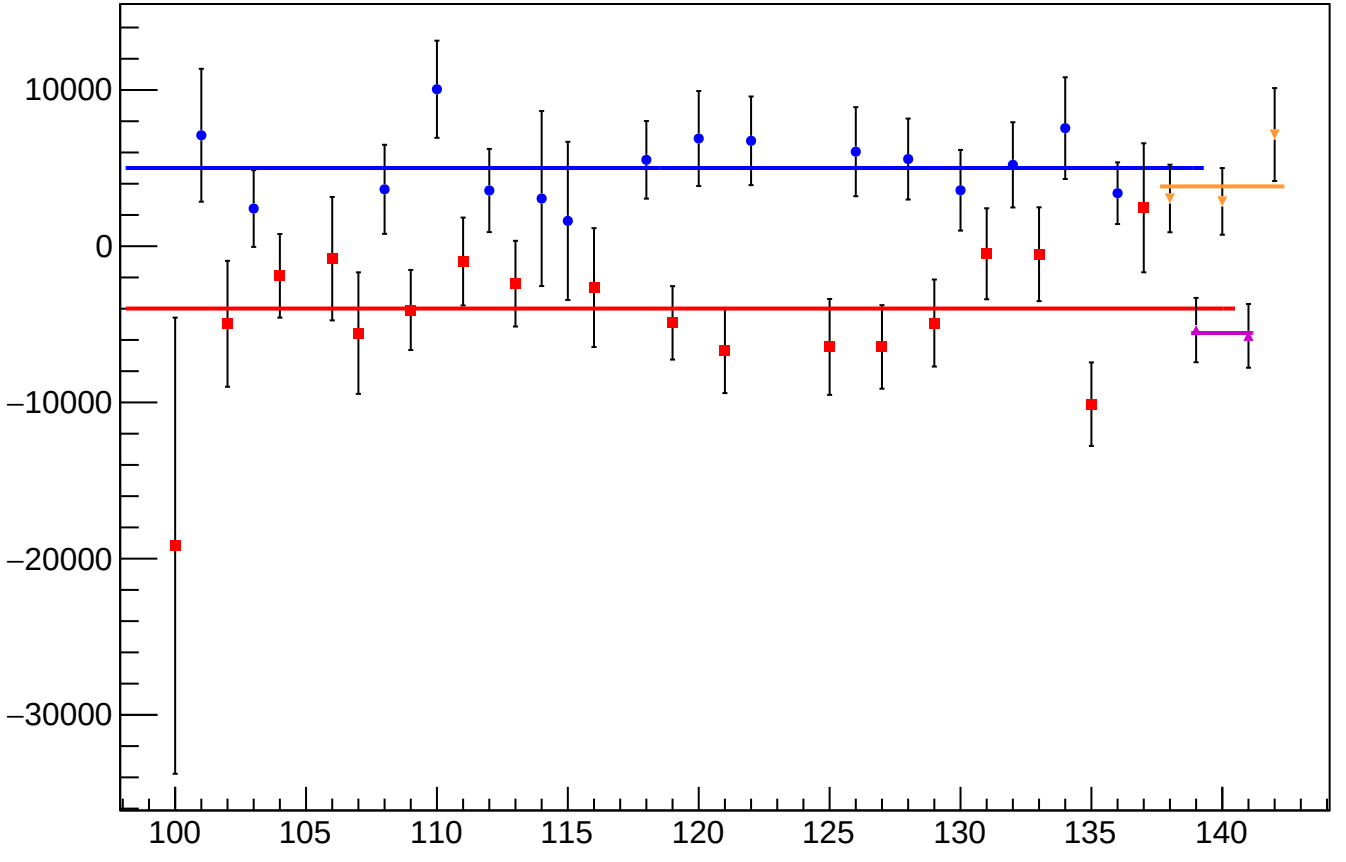
Left In: 6372.566+/-3.450 χ^2/NDF:23511.4/1

+ sign 4716.440+/-1.150 χ^2/NDF: 1614425.6/18

All: 4613.366+/-0.808 χ^2/NDF: 3529808.0/38

- sign 4512.640+/-1.137 χ^2/NDF: 1899491.8/19

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3827.878+/-1352.486 χ^2/NDF:1.6/2

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

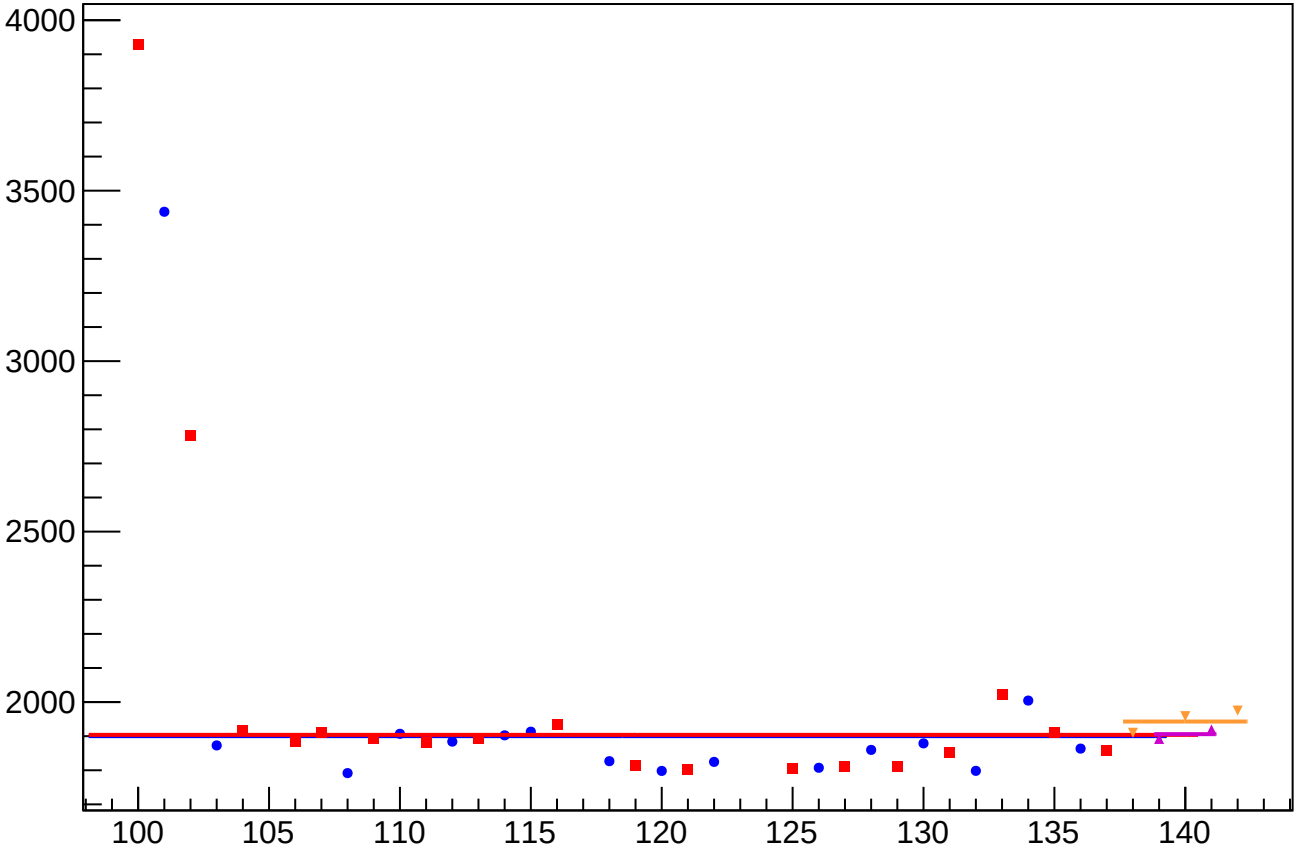
Left In: -5554.352+/-1449.157 χ^2/NDF:0.0/1

+ sign 4750.218+/-631.457 χ^2/NDF: 9.8/18

All: 315.590+/-450.911 χ^2/NDF: 128.8/38

- sign -4298.389+/-644.099 χ^2/NDF: 18.3/19

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1942.941+/-0.956 χ^2/NDF:807.7/2

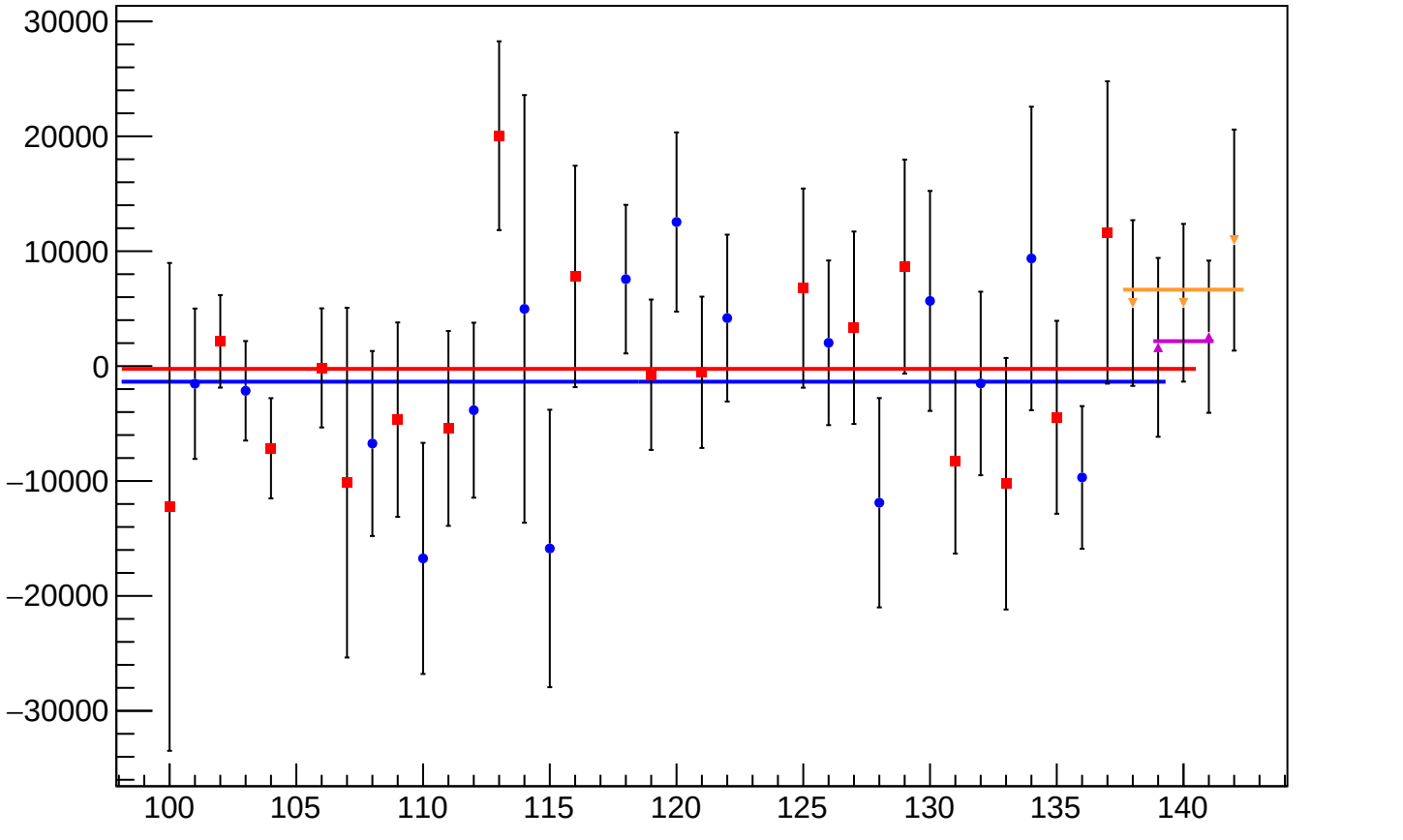
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1905.912+/-1.025 χ^2/NDF:181.5/1

+ sign 1909.448+/-0.447 χ^2/NDF: 280824.4/18

All: 1906.892+/-0.319 χ^2/NDF: 431191.9/38

- sign 1904.238+/-0.455 χ^2/NDF: 150300.7/19



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 6654.386+/-4416.229 χ^2/NDF:0.3/2

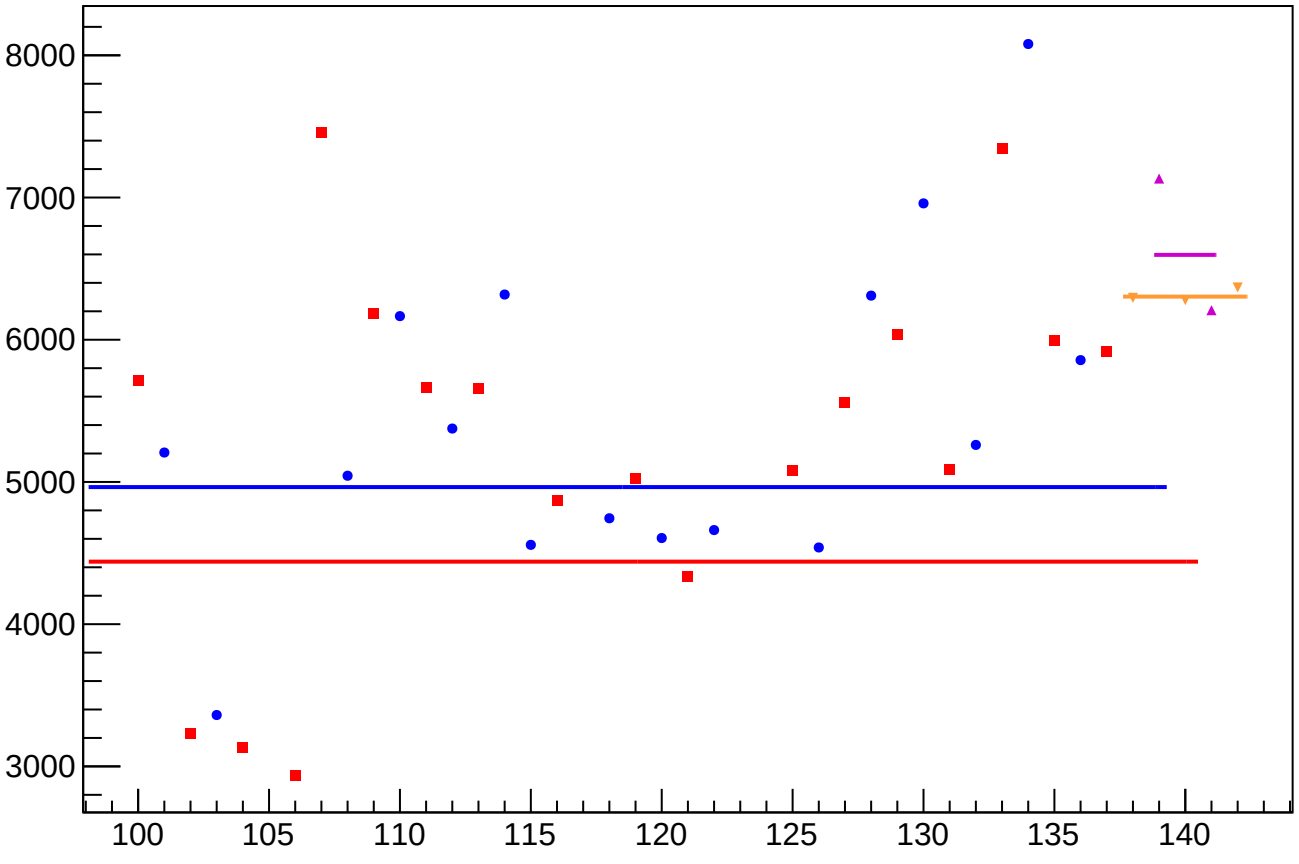
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 2168.976+/-5044.333 χ^2/NDF:0.0/1

+ sign -109.842+/-1742.215 χ^2/NDF: 17.7/18

All: -46.726+/-1187.057 χ^2/NDF: 33.7/38

- sign 7.964+/-1621.754 χ^2/NDF: 15.9/19



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6303.339+/-3.123 χ^2/NDF:117.7/2

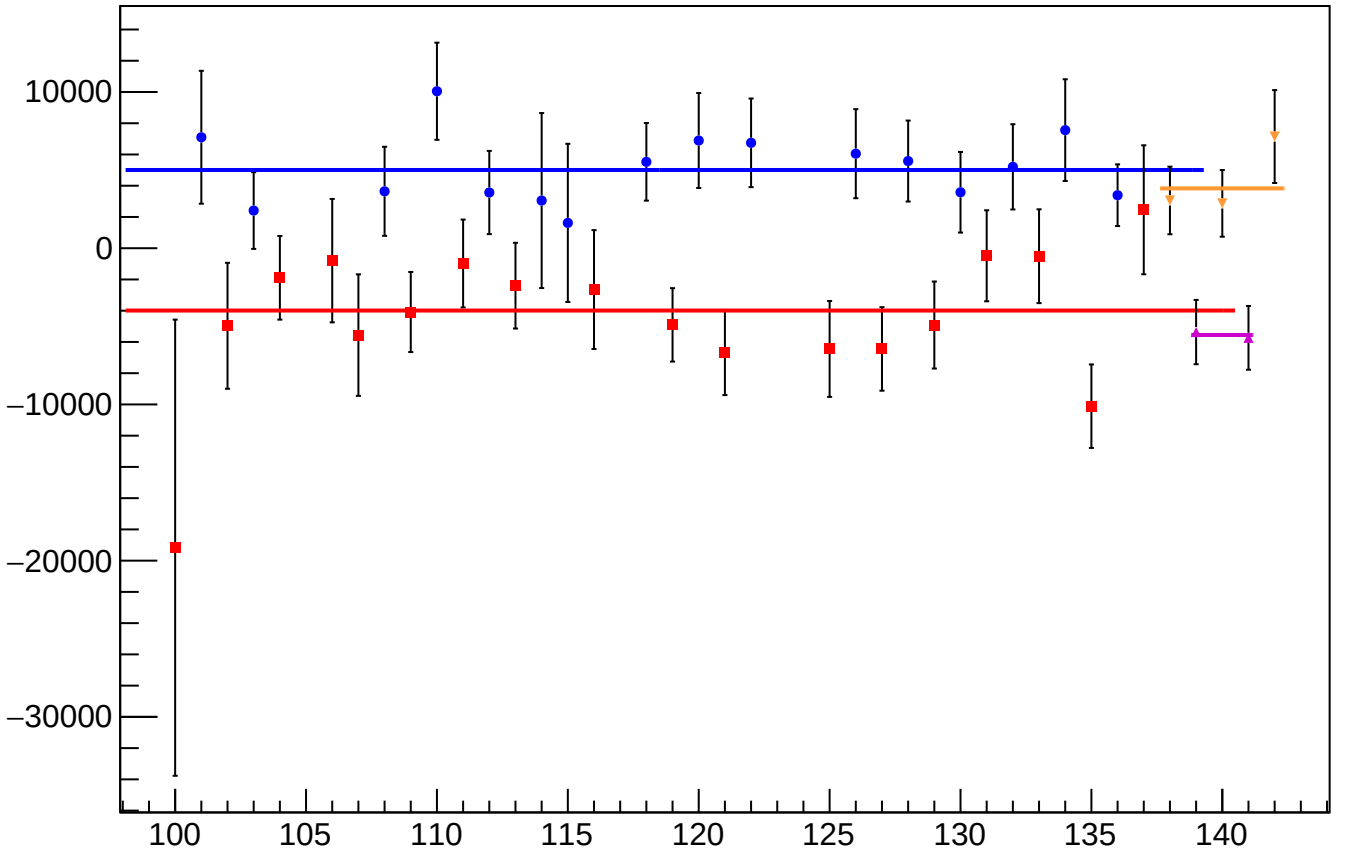
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6596.748+/-3.567 χ^2/NDF:16408.6/1

+ sign 5172.443+/-1.232 χ^2/NDF: 782819.4/18

All: 4899.306+/-0.839 χ^2/NDF: 2377410.6/38

- sign 4662.635+/-1.147 χ^2/NDF: 1502839.6/19



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3827.892+/-1352.487 χ^2/NDF:1.6/2

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

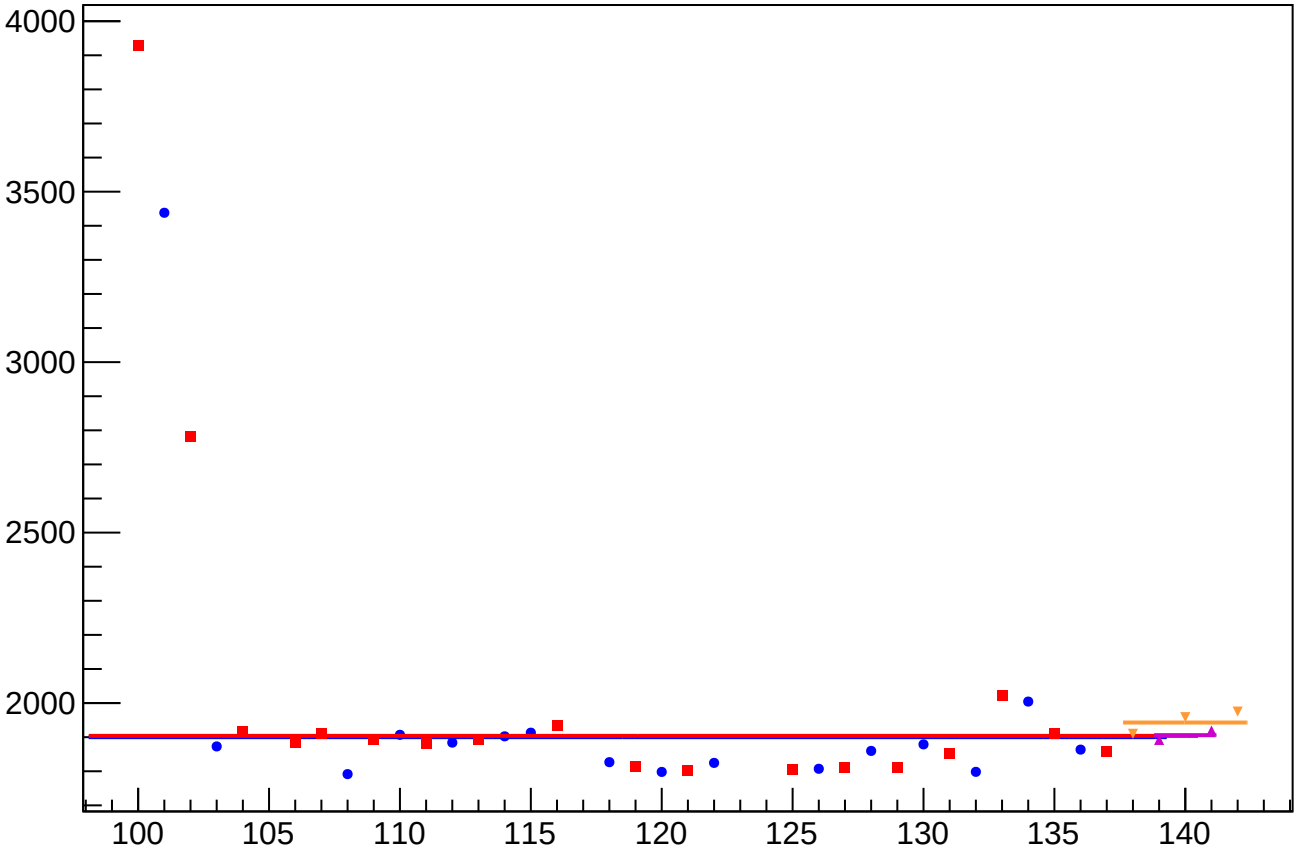
Left In: -5554.336+/-1449.157 χ^2/NDF:0.0/1

+ sign 4750.220+/-631.457 χ^2/NDF: 9.8/18

All: 315.593+/-450.911 χ^2/NDF: 128.8/38

- sign -4298.385+/-644.099 χ^2/NDF: 18.3/19

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: 1942.942+/-0.956 χ^2/NDF:807.8/2

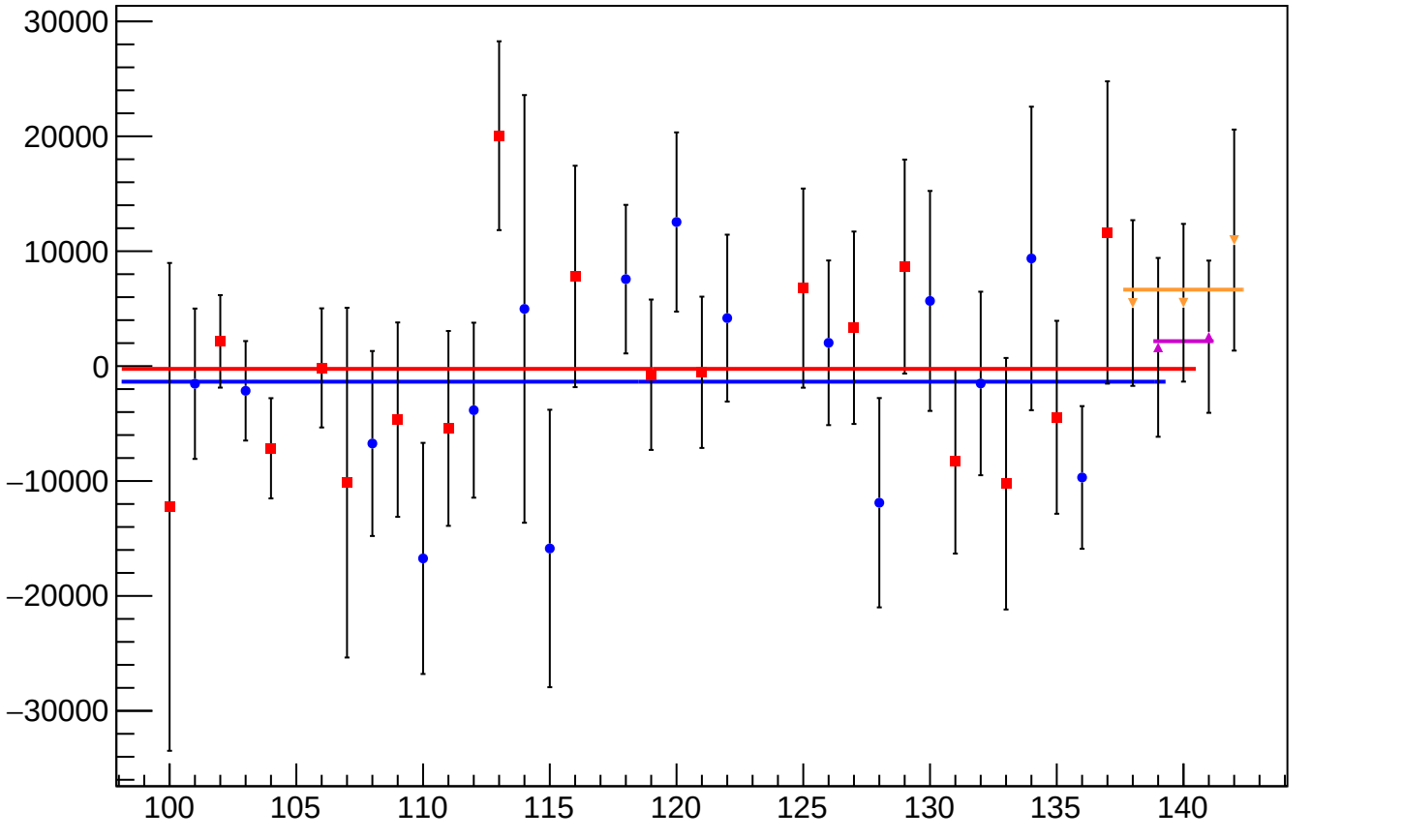
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1905.913+/-1.025 χ^2/NDF:181.5/1

+ sign 1909.447+/-0.447 χ^2/NDF: 280824.8/18

All: 1906.892+/-0.319 χ^2/NDF: 431191.5/38

- sign 1904.238+/-0.455 χ^2/NDF: 150300.0/19



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 6654.405+/-4416.237 χ^2/NDF:0.3/2

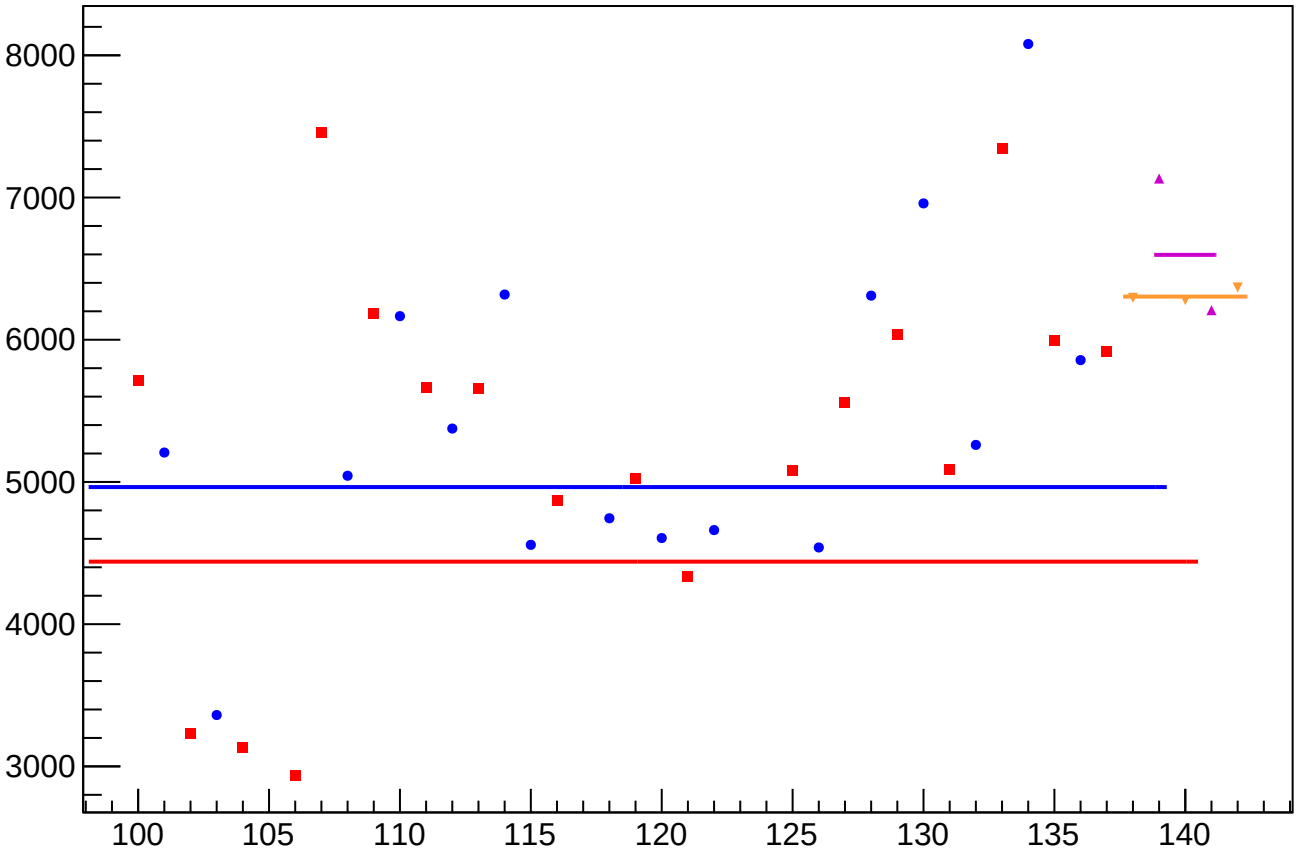
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 2168.990+/-5044.342 χ^2/NDF:0.0/1

+ sign -109.840+/-1742.212 χ^2/NDF: 17.7/18

All: -46.726+/-1187.054 χ^2/NDF: 33.7/38

- sign 7.962+/-1621.751 χ^2/NDF: 15.9/19



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6303.350+/-3.123 χ^2/NDF:117.7/2

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

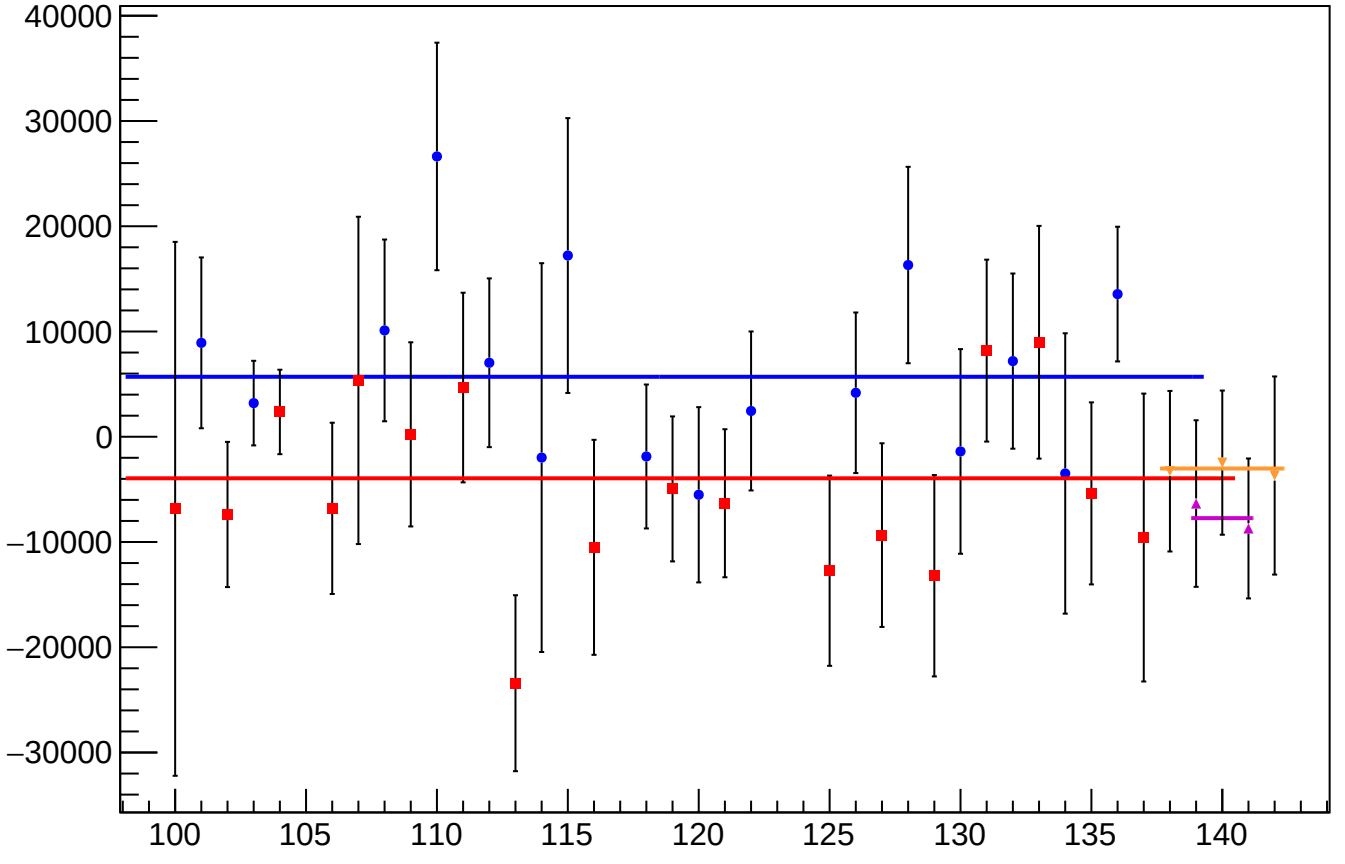
Left In: 6596.758+/-3.567 χ^2/NDF:16409.0/1

+ sign 5172.432+/-1.232 χ^2/NDF: 782827.2/18

All: 4899.296+/-0.839 χ^2/NDF: 2377424.5/38

- sign 4662.624+/-1.147 χ^2/NDF: 1502845.4/19

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -3018.861+/-4481.204 χ^2/NDF:0.0/2

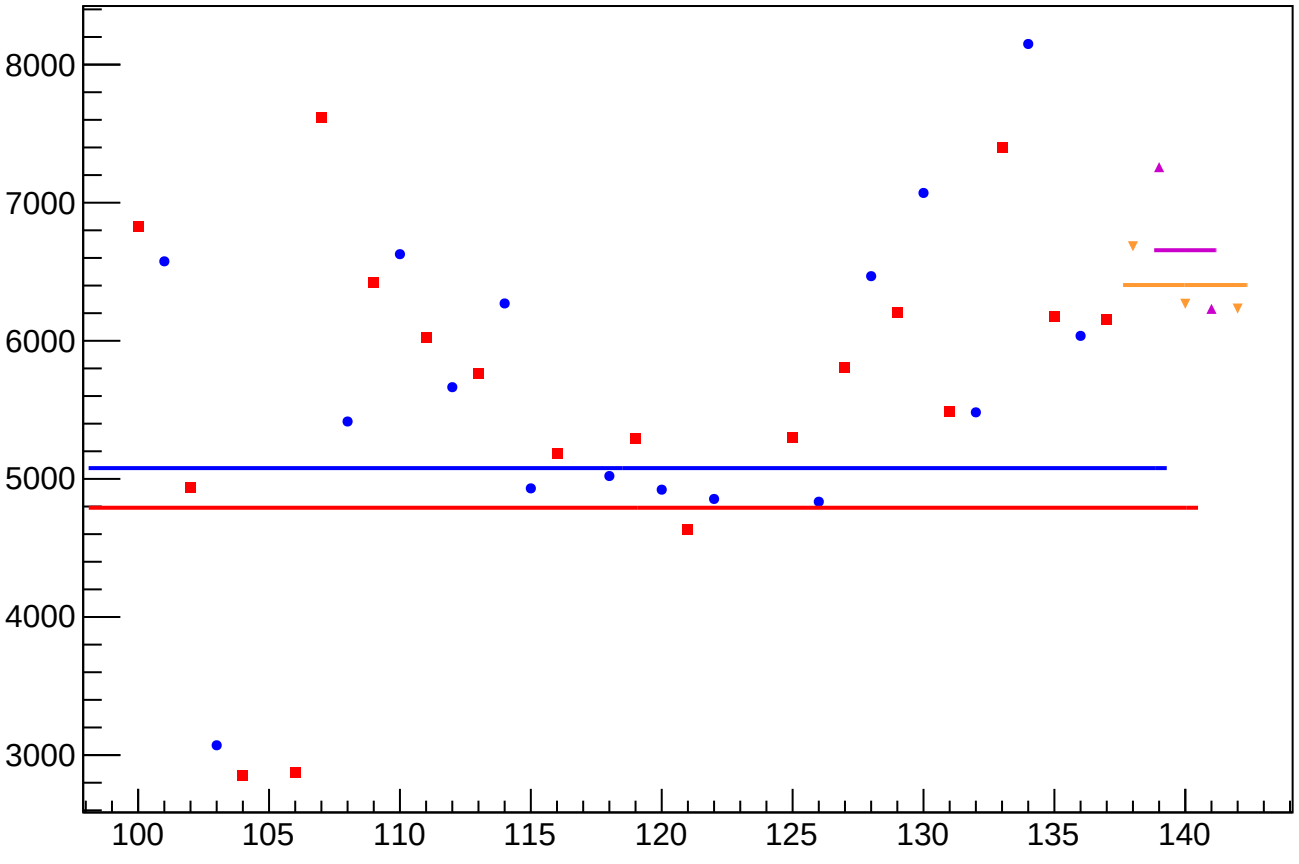
Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: -7734.199+/-5089.884 χ^2/NDF:0.1/1

+ sign 4298.504+/-1795.141 χ^2/NDF: 15.8/18

All: -56.999+/-1269.983 χ^2/NDF: 44.3/38

- sign -4421.113+/-1796.915 χ^2/NDF: 16.7/19



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6403.904+/-3.169 χ^2/NDF:4150.1/2

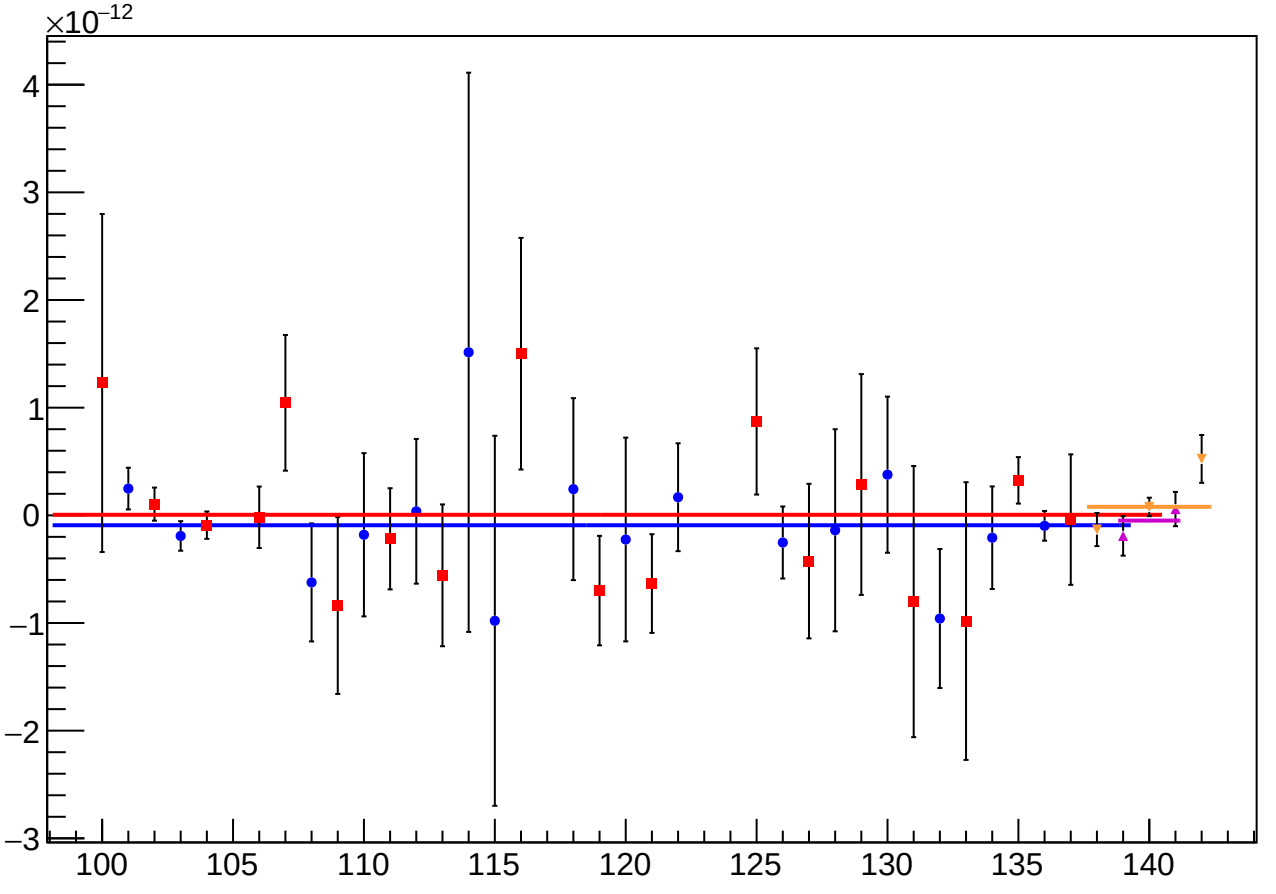
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6655.970+/-3.599 χ^2/NDF:19715.3/1

+ sign 5290.900+/-1.269 χ^2/NDF: 1070319.1/18

All: 5150.840+/-0.890 χ^2/NDF: 2512614.5/38

- sign 5015.422+/-1.248 χ^2/NDF: 1418348.5/19



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/2

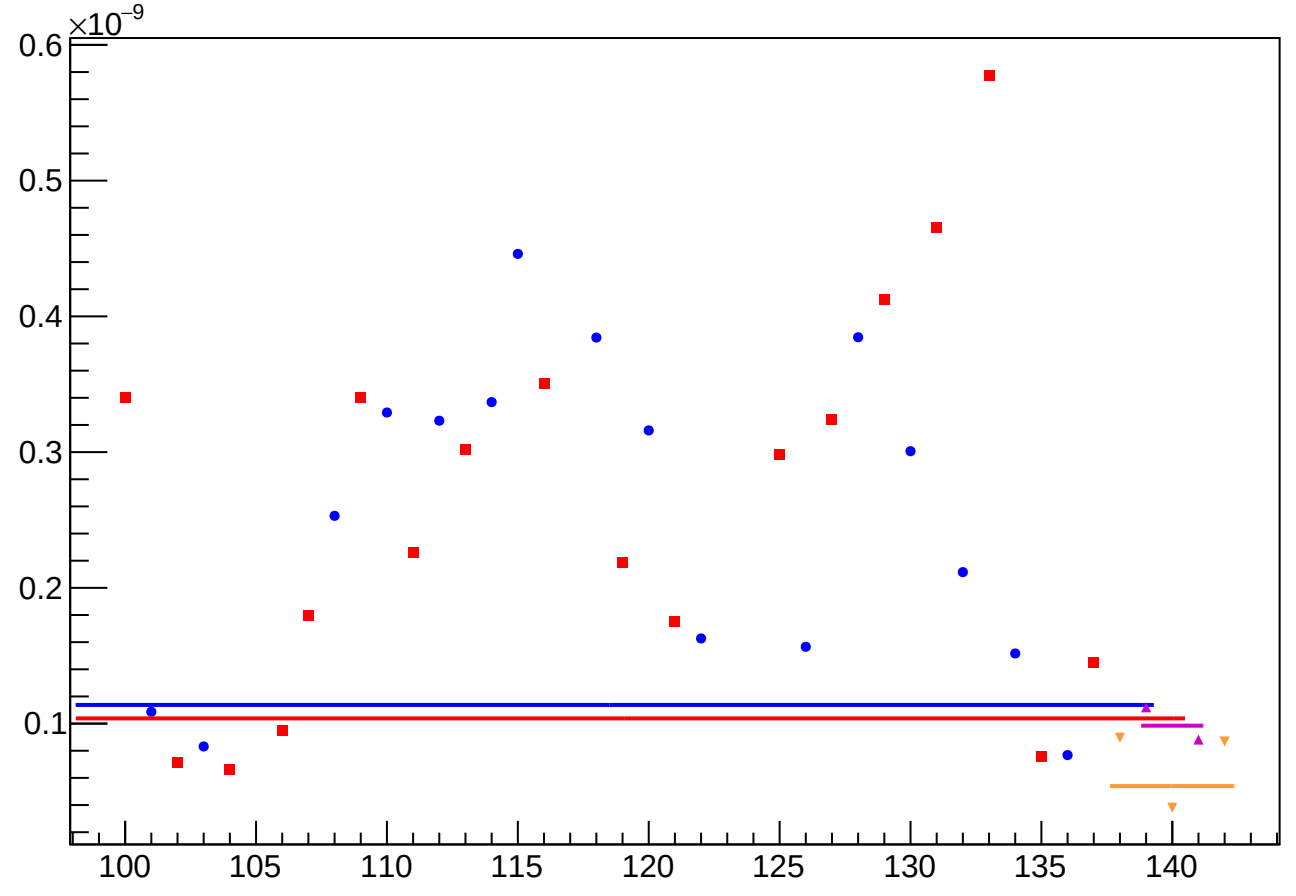
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 16.7/18

All: -0.000+/-0.000 χ^2/NDF: 35.3/38

- sign -0.000+/-0.000 χ^2/NDF: 18.6/19



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:219358.9/2

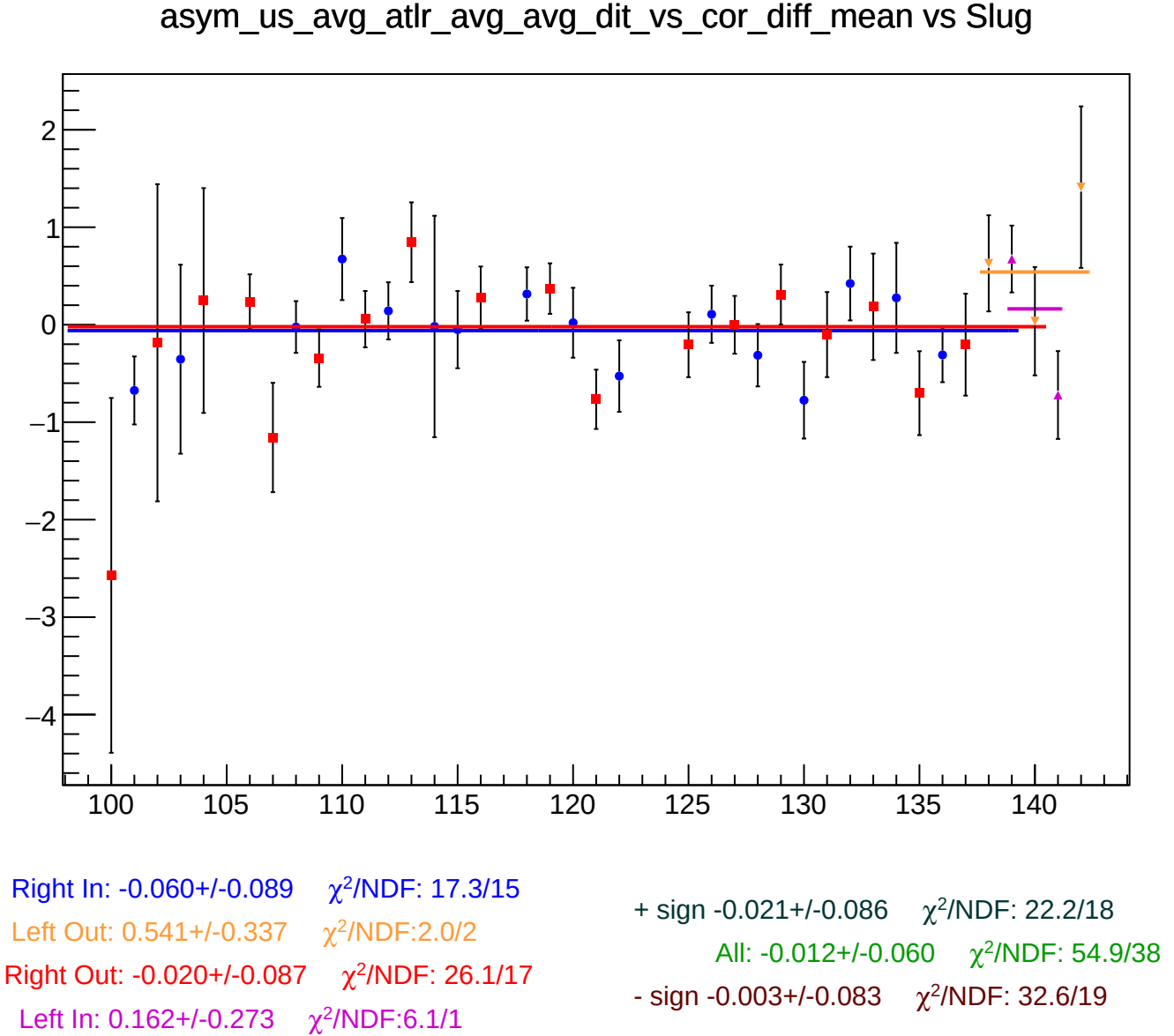
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:19209.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 2388393.6/18

All: 0.000+/-0.000 χ^2/NDF: 4626320.9/38

- sign 0.000+/-0.000 χ^2/NDF: 2109575.5/19



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.541+/-0.337 χ^2/NDF:2.0/2

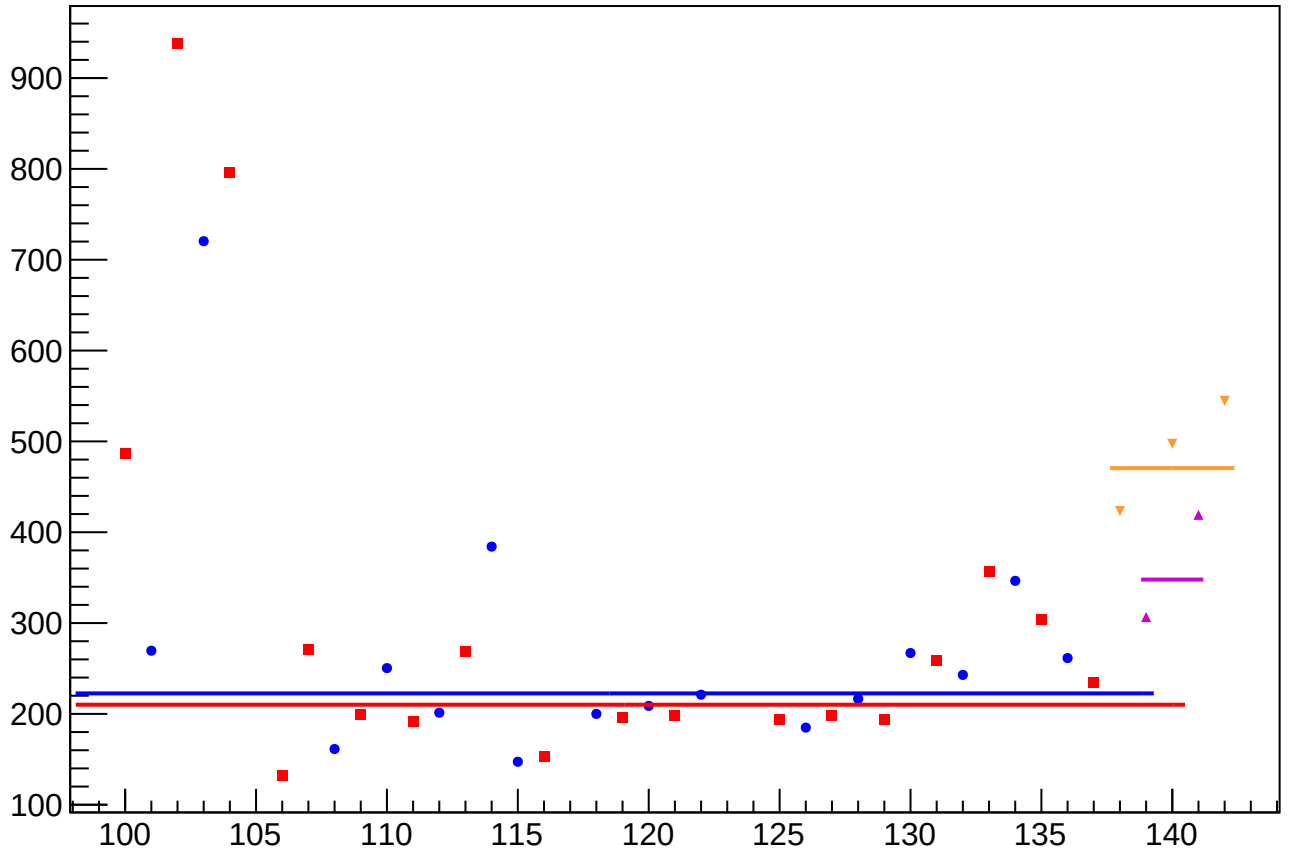
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.162+/-0.273 χ^2/NDF:6.1/1

+ sign -0.021+/-0.086 χ^2/NDF: 22.2/18

All: -0.012+/-0.060 χ^2/NDF: 54.9/38

- sign -0.003+/-0.083 χ^2/NDF: 32.6/19



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 470.577+/-0.238 χ^2/NDF:38999.5/2

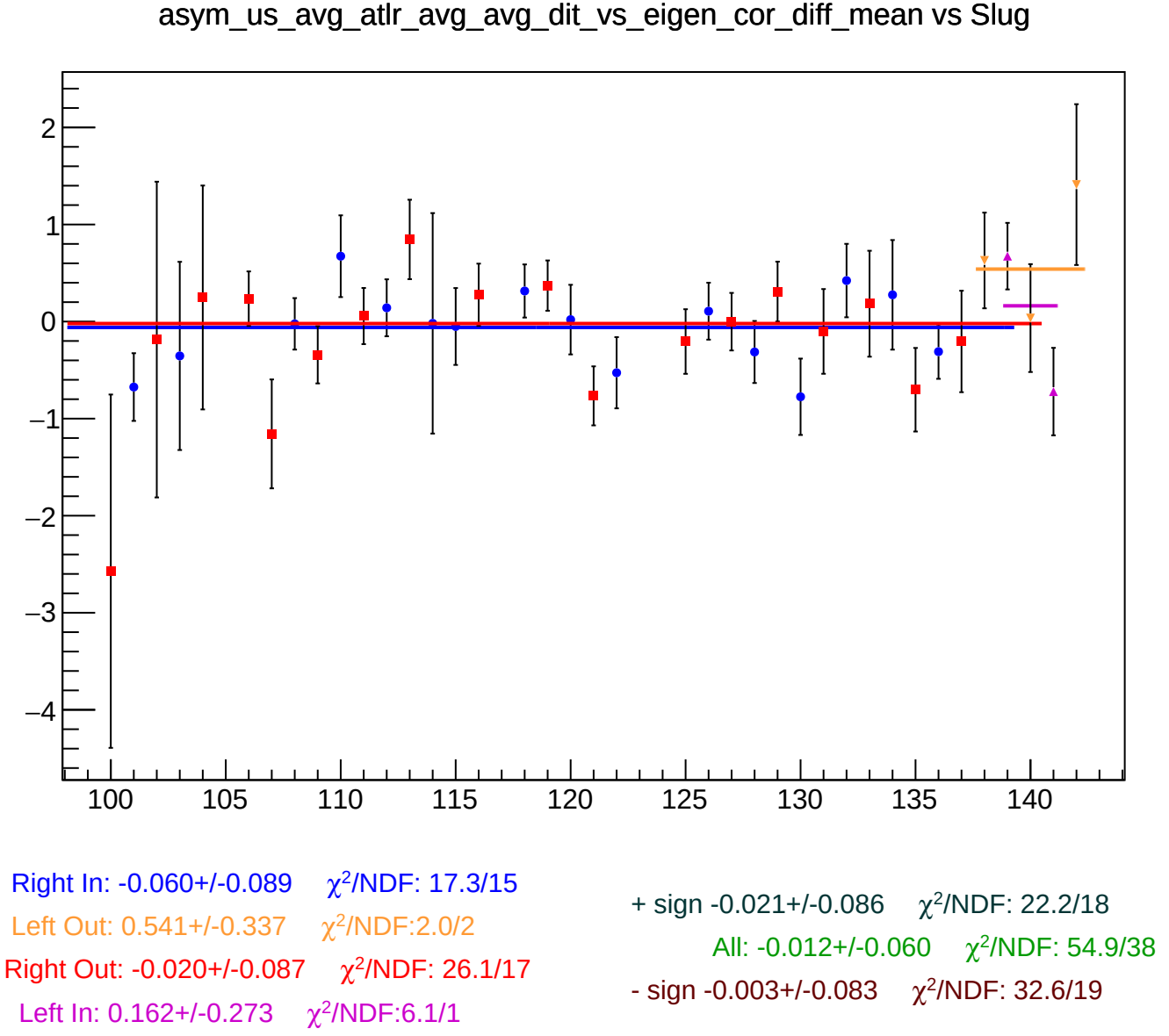
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

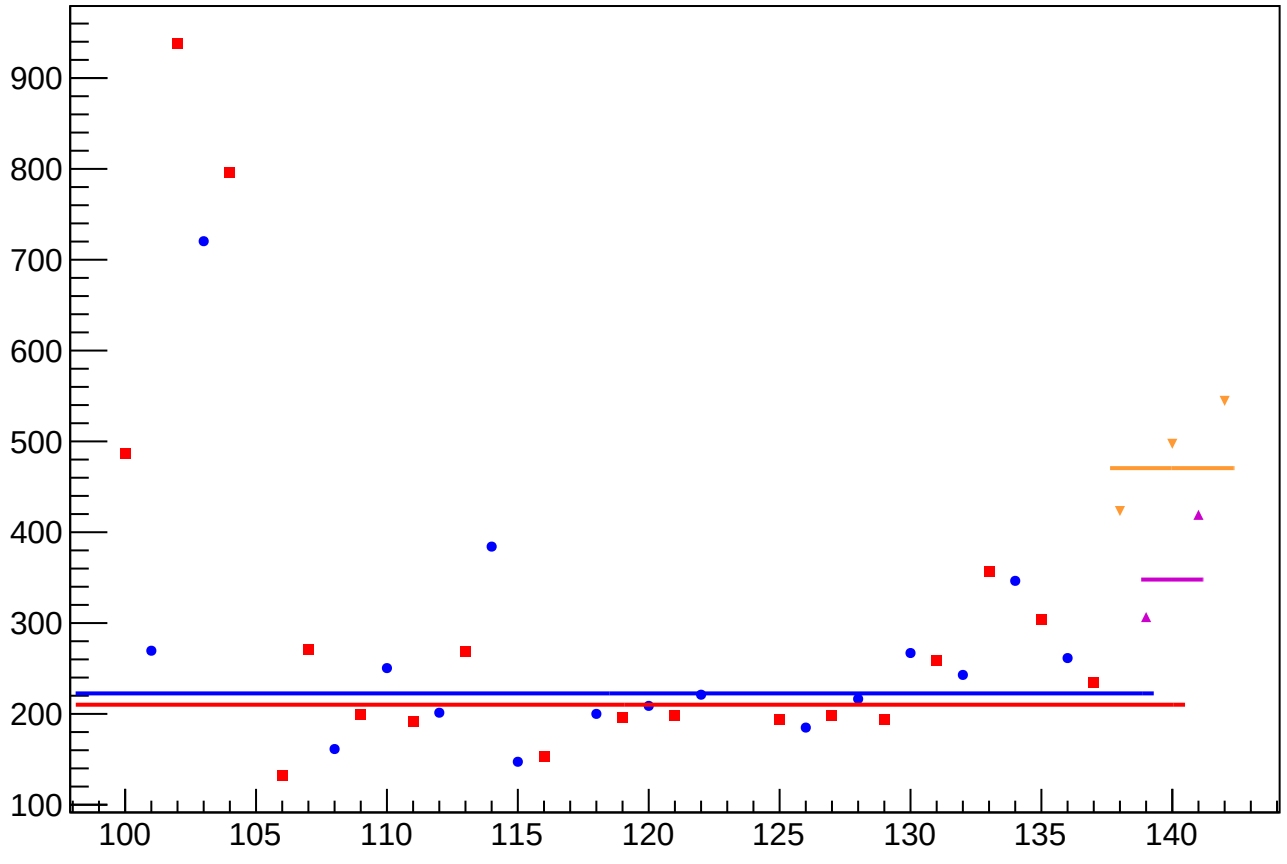
Left In: 347.896+/-0.193 χ^2/NDF:79019.5/1

+ sign 238.633+/-0.061 χ^2/NDF: 2071519.7/18

All: 230.562+/-0.042 χ^2/NDF: 4195906.9/38

- sign 222.950+/-0.059 χ^2/NDF: 2089948.5/19


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.541+/-0.337 χ²/NDF:2.0/2
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.162+/-0.273 χ²/NDF:6.1/1
+ sign -0.021+/-0.086 χ²/NDF: 22.2/18
All: -0.012+/-0.060 χ²/NDF: 54.9/38
- sign -0.003+/-0.083 χ²/NDF: 32.6/19



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 470.577+/-0.238 χ^2/NDF:38999.5/2

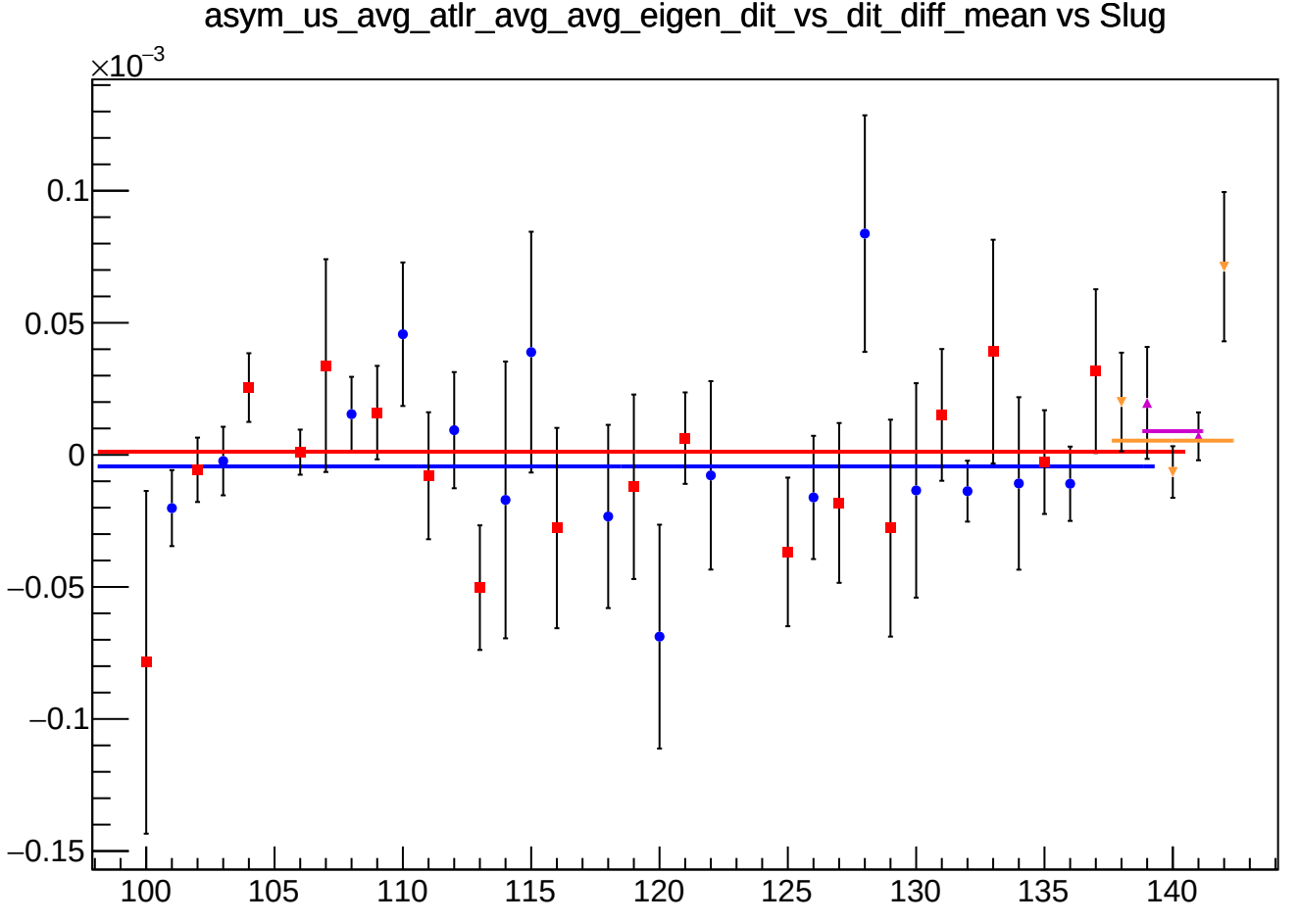
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 347.896+/-0.193 χ^2/NDF:79019.5/1

+ sign 238.633+/-0.061 χ^2/NDF: 2071519.7/18

All: 230.562+/-0.042 χ^2/NDF: 4195906.9/38

- sign 222.950+/-0.059 χ^2/NDF: 2089948.5/19



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/2

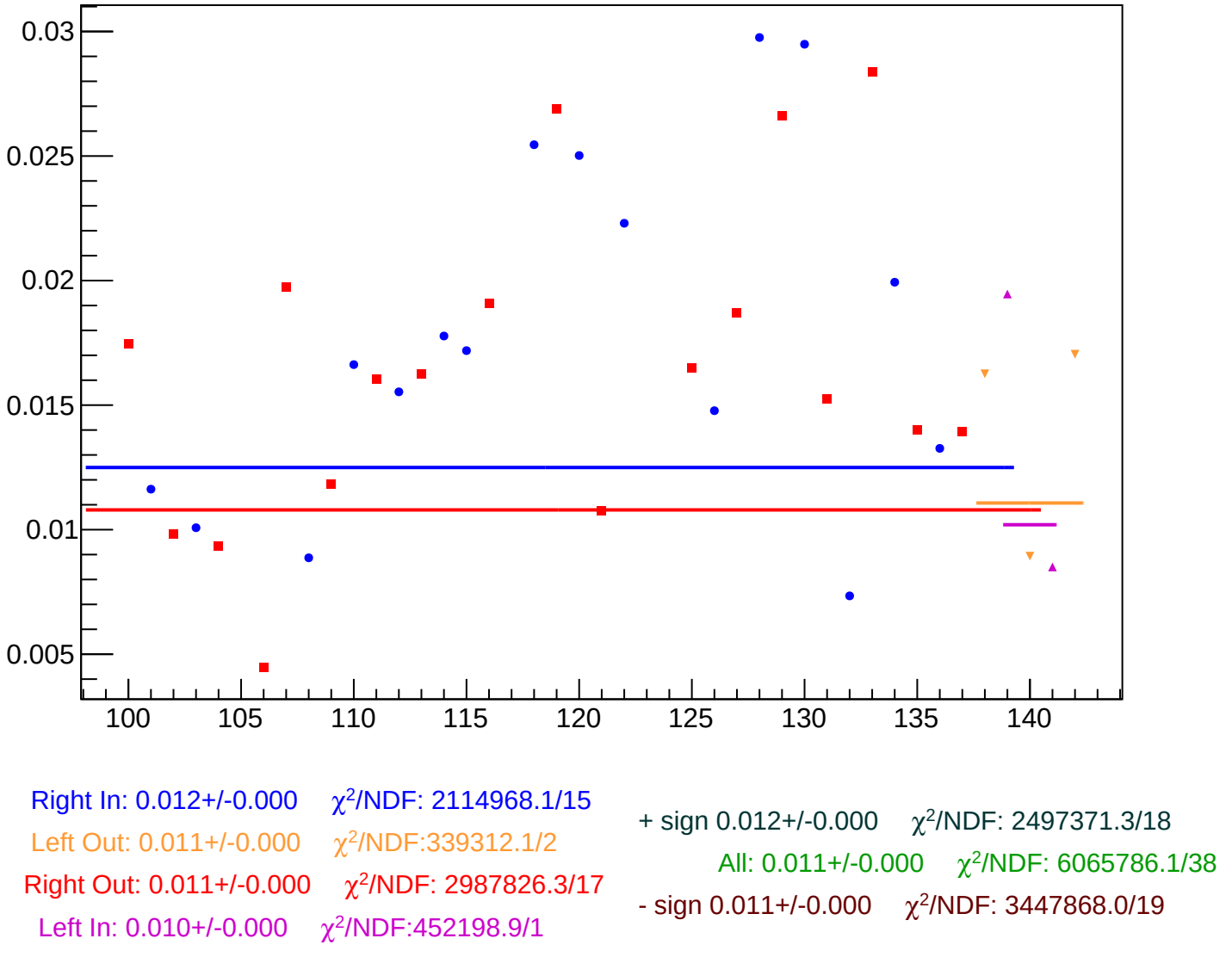
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/18

All: 0.000+/-0.000 χ^2/NDF: 43.0/38

- sign 0.000+/-0.000 χ^2/NDF: 18.2/19


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
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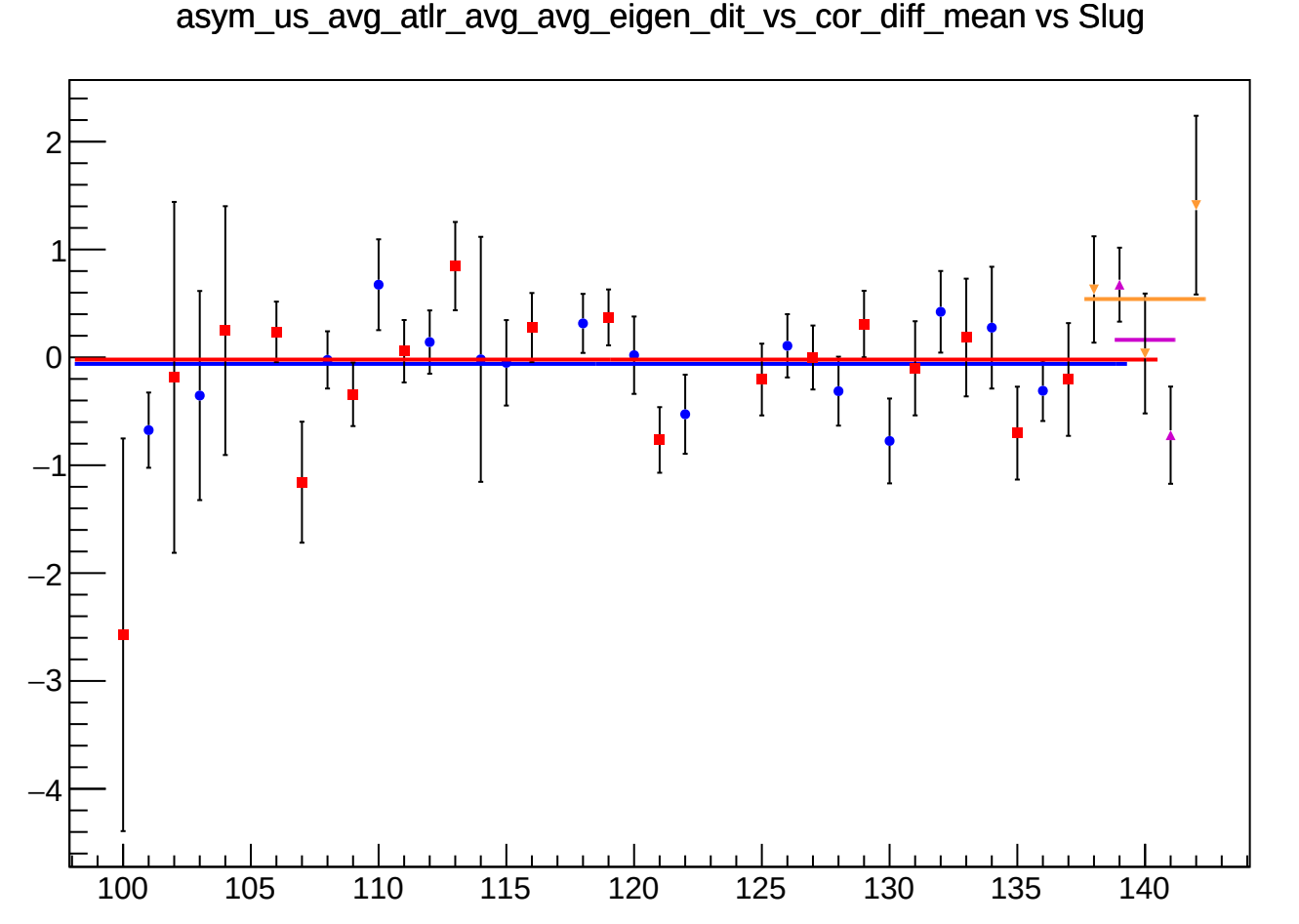
135
140
Right In: 0.012+/-0.000 χ²/NDF: 2114968.1/15
Left Out: 0.011+/-0.000 χ²/NDF:339312.1/2
Right Out: 0.011+/-0.000 χ²/NDF: 2987826.3/17
Left In: 0.010+/-0.000 χ²/NDF:452198.9/1
+ sign 0.012+/-0.000 χ²/NDF: 2497371.3/18
All: 0.011+/-0.000 χ²/NDF: 6065786.1/38
- sign 0.011+/-0.000 χ²/NDF: 3447868.0/19



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.541+/-0.337 χ^2/NDF:2.0/2

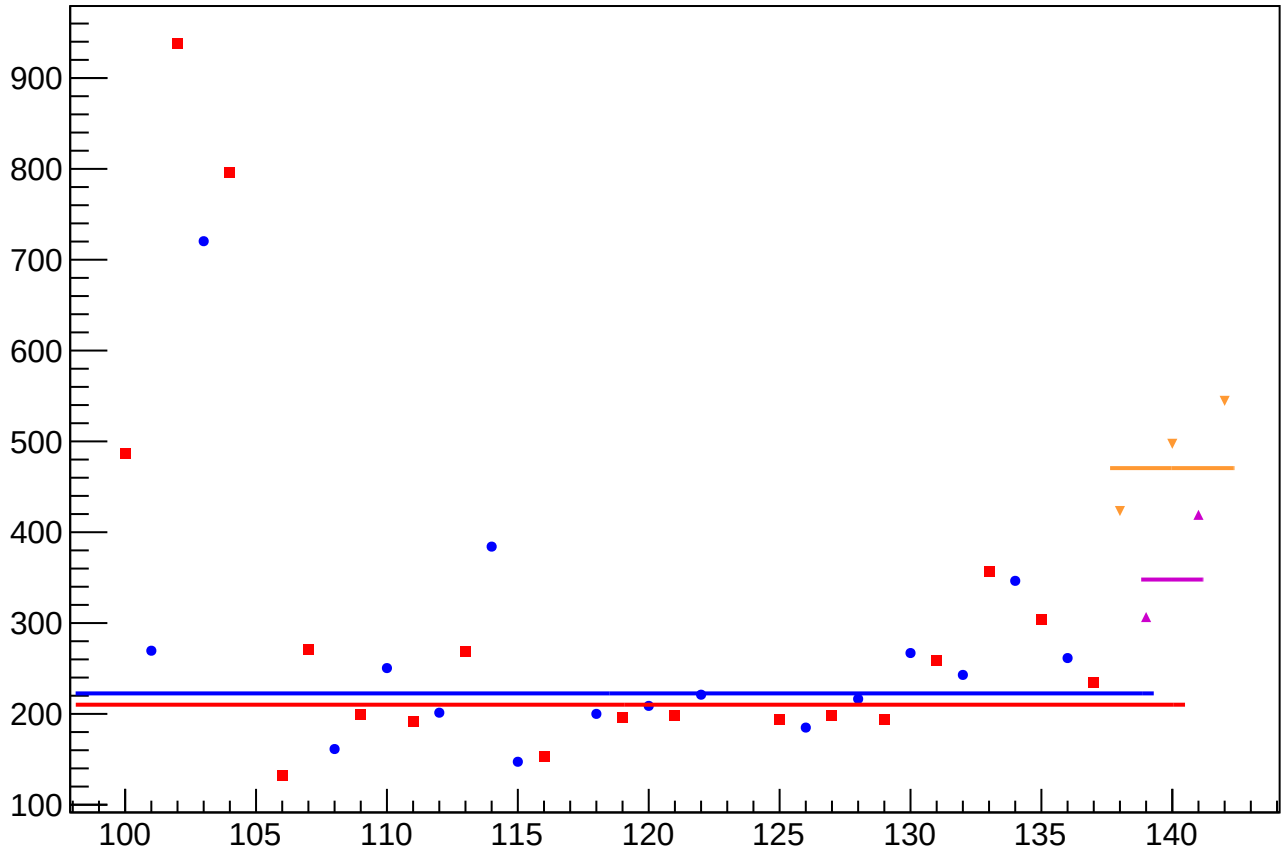
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.162+/-0.273 χ^2/NDF:6.1/1

\+ sign -0.021+/-0.086 χ^2/NDF: 22.2/18

All: -0.012+/-0.060 χ^2/NDF: 54.9/38

\- sign -0.003+/-0.083 χ^2/NDF: 32.6/19



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 470.581+/-0.238 χ^2/NDF:39000.3/2

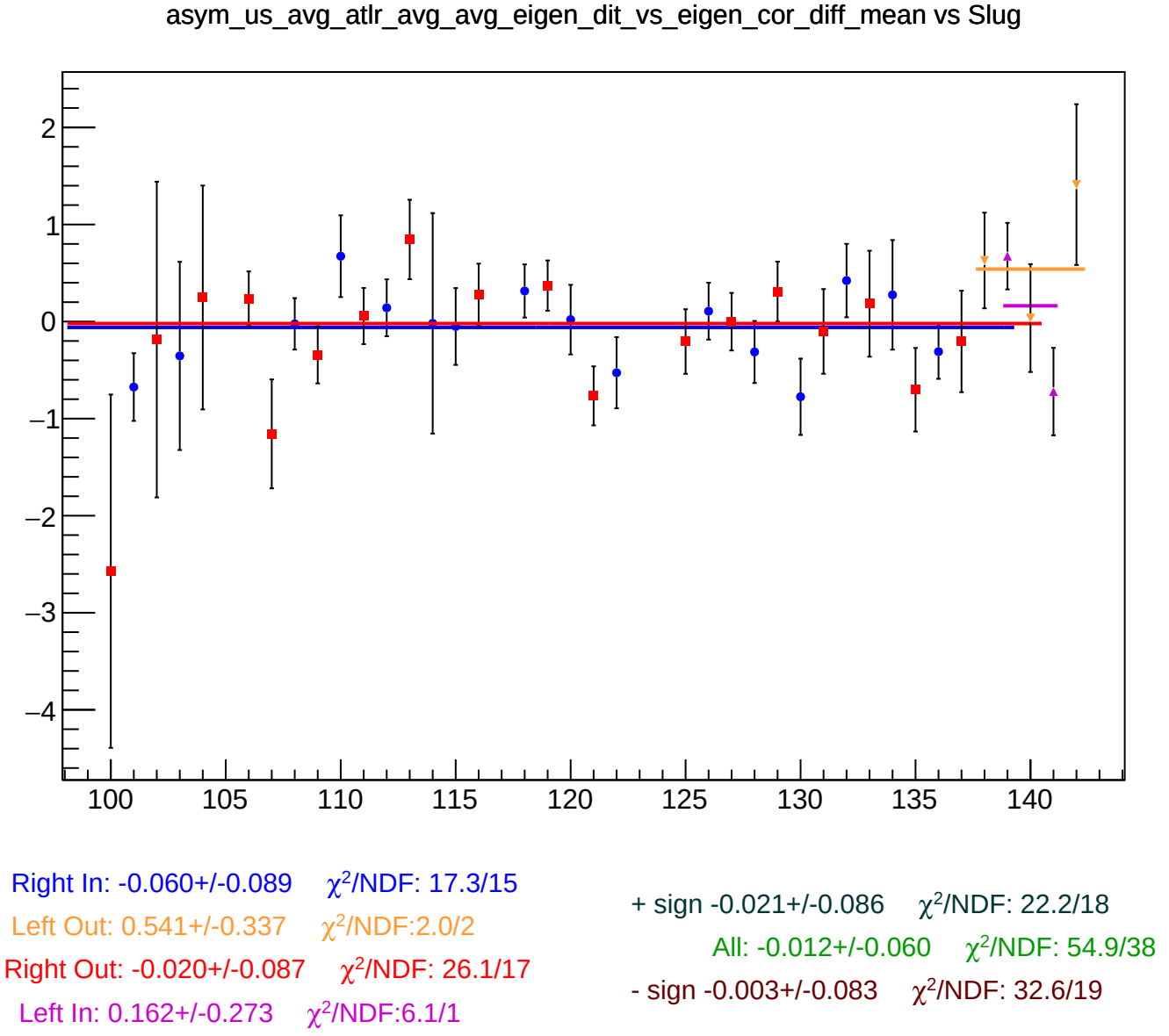
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 347.902+/-0.193 χ^2/NDF:79010.5/1

+ sign 238.631+/-0.061 χ^2/NDF: 2071537.8/18

All: 230.560+/-0.042 χ^2/NDF: 4195947.1/38

- sign 222.948+/-0.059 χ^2/NDF: 2089967.7/19


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
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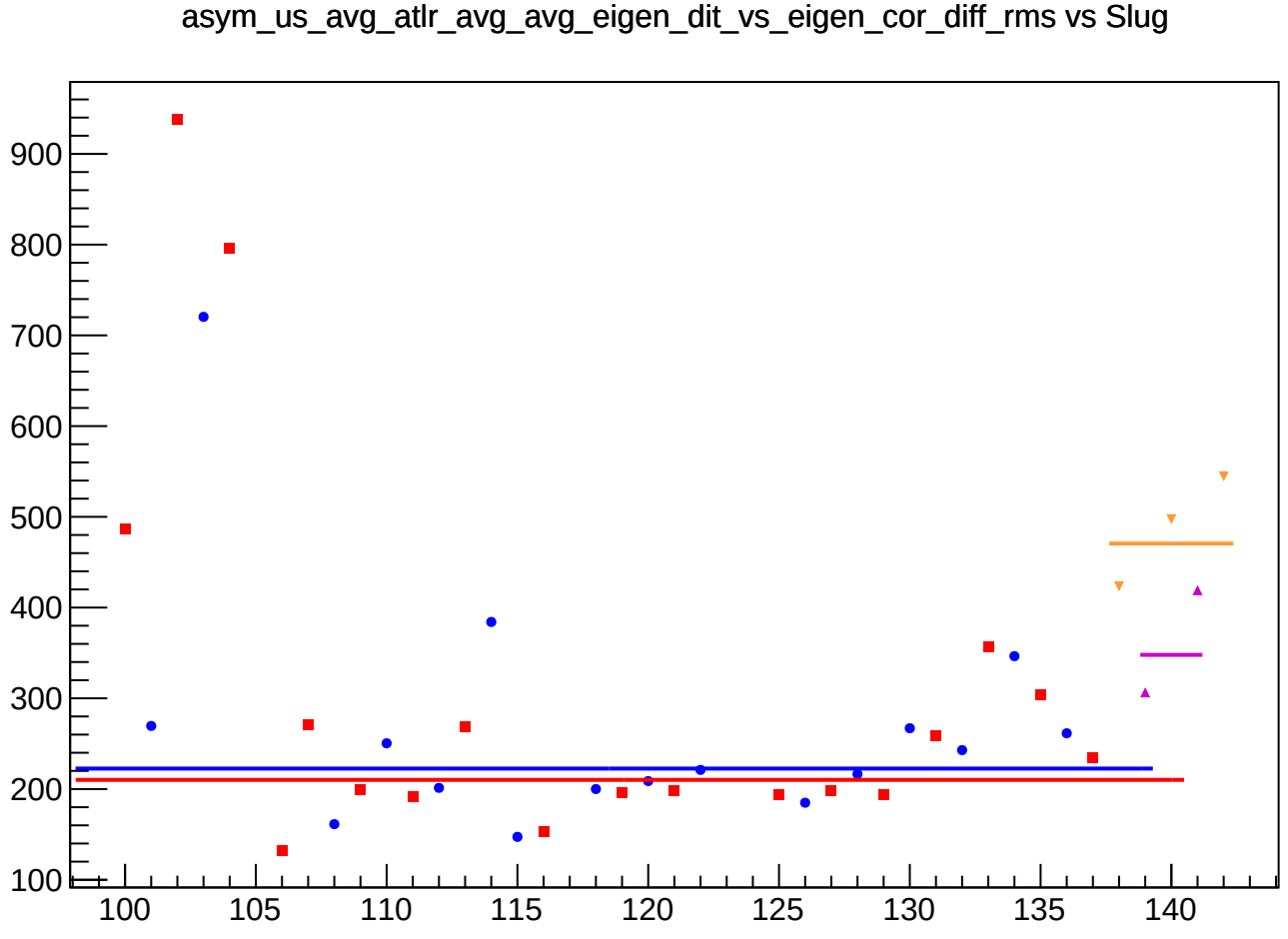
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.541+/-0.337 χ²/NDF:2.0/2
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.162+/-0.273 χ²/NDF:6.1/1
+ sign -0.021+/-0.086 χ²/NDF: 22.2/18
All: -0.012+/-0.060 χ²/NDF: 54.9/38
- sign -0.003+/-0.083 χ²/NDF: 32.6/19



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 470.581+/-0.238 χ^2/NDF:39000.3/2

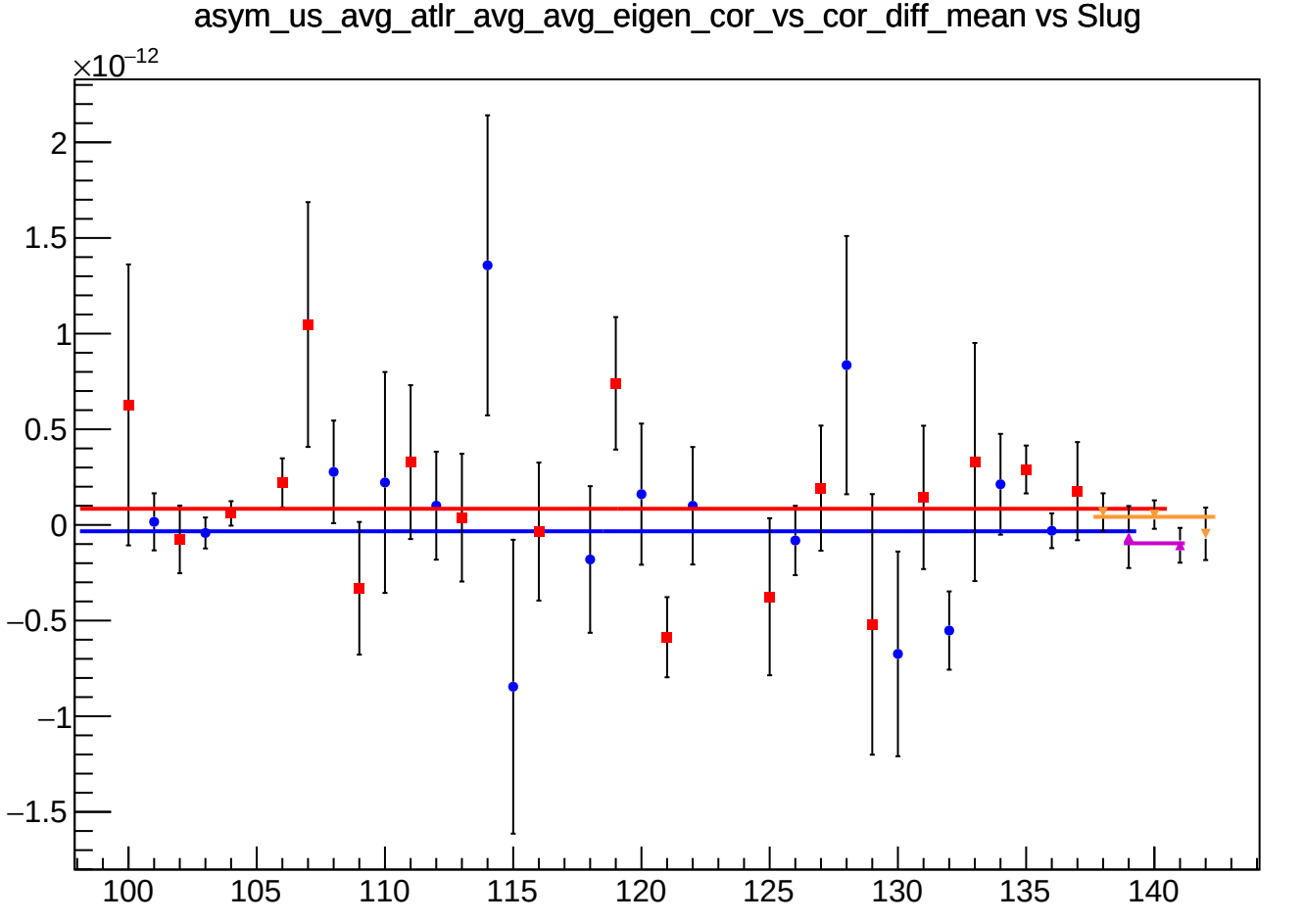
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 347.902+/-0.193 χ^2/NDF:79010.5/1

+ sign 238.631+/-0.061 χ^2/NDF: 2071537.8/18

All: 230.560+/-0.042 χ^2/NDF: 4195947.1/38

- sign 222.948+/-0.059 χ^2/NDF: 2089967.7/19



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/2

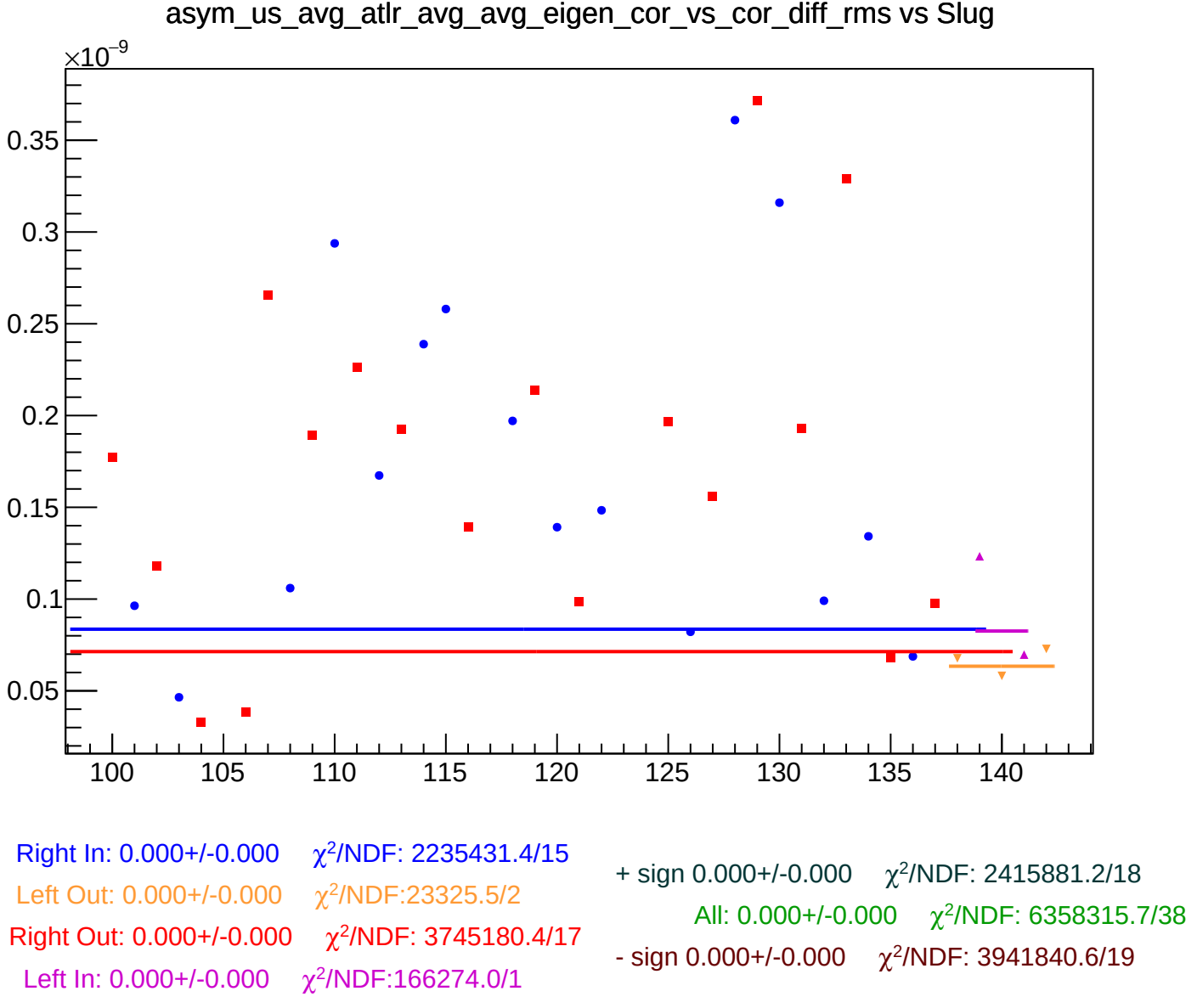
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.8/18

All: 0.000+/-0.000 χ^2/NDF: 49.3/38

- sign 0.000+/-0.000 χ^2/NDF: 29.8/19


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
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115
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125
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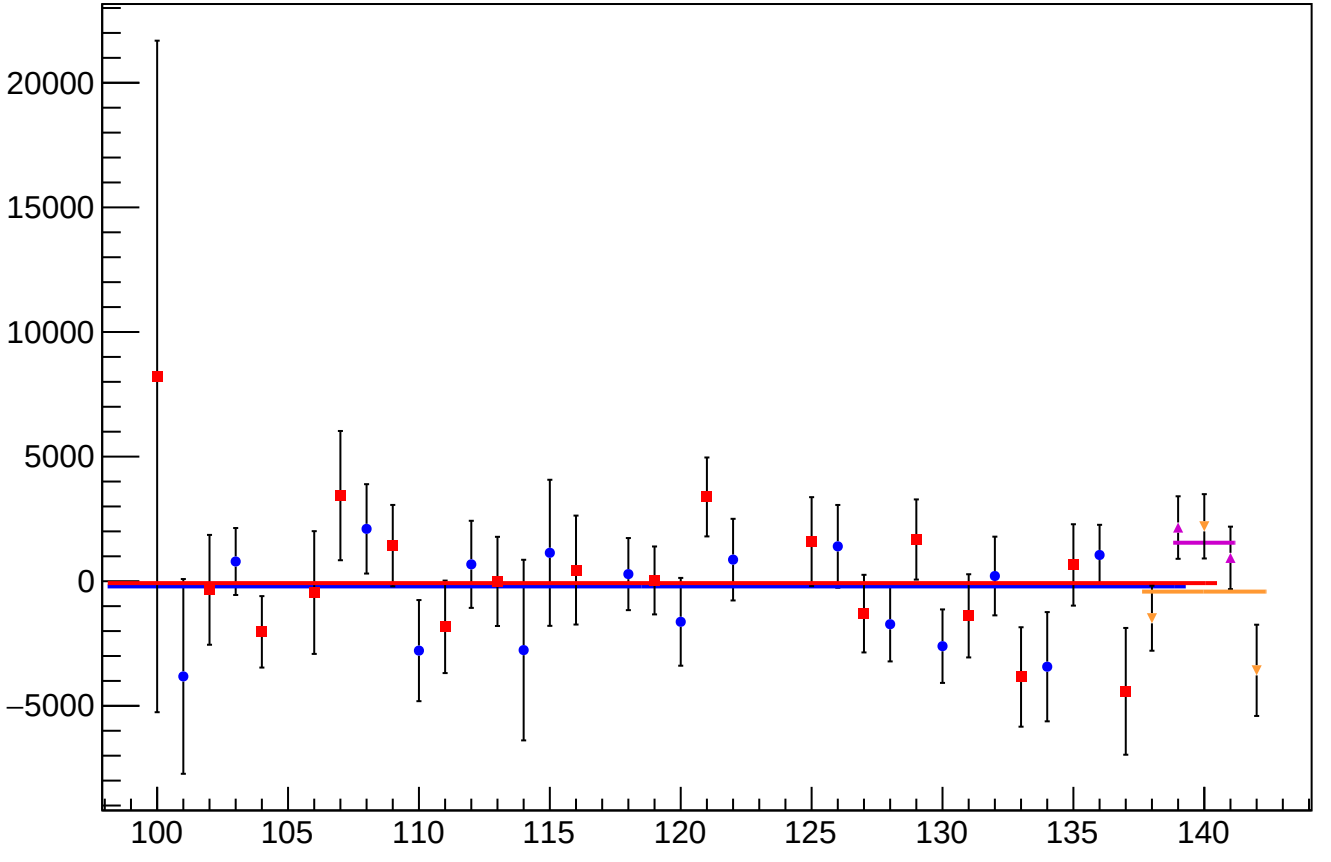
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:23325.5/2
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:166274.0/1
+ sign 0.000+/-0.000 χ²/NDF: 2415881.2/18
All: 0.000+/-0.000 χ²/NDF: 6358315.7/38
- sign 0.000+/-0.000 χ²/NDF: 3941840.6/19

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: -416.024+/-819.745 χ^2/NDF:7.8/2

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

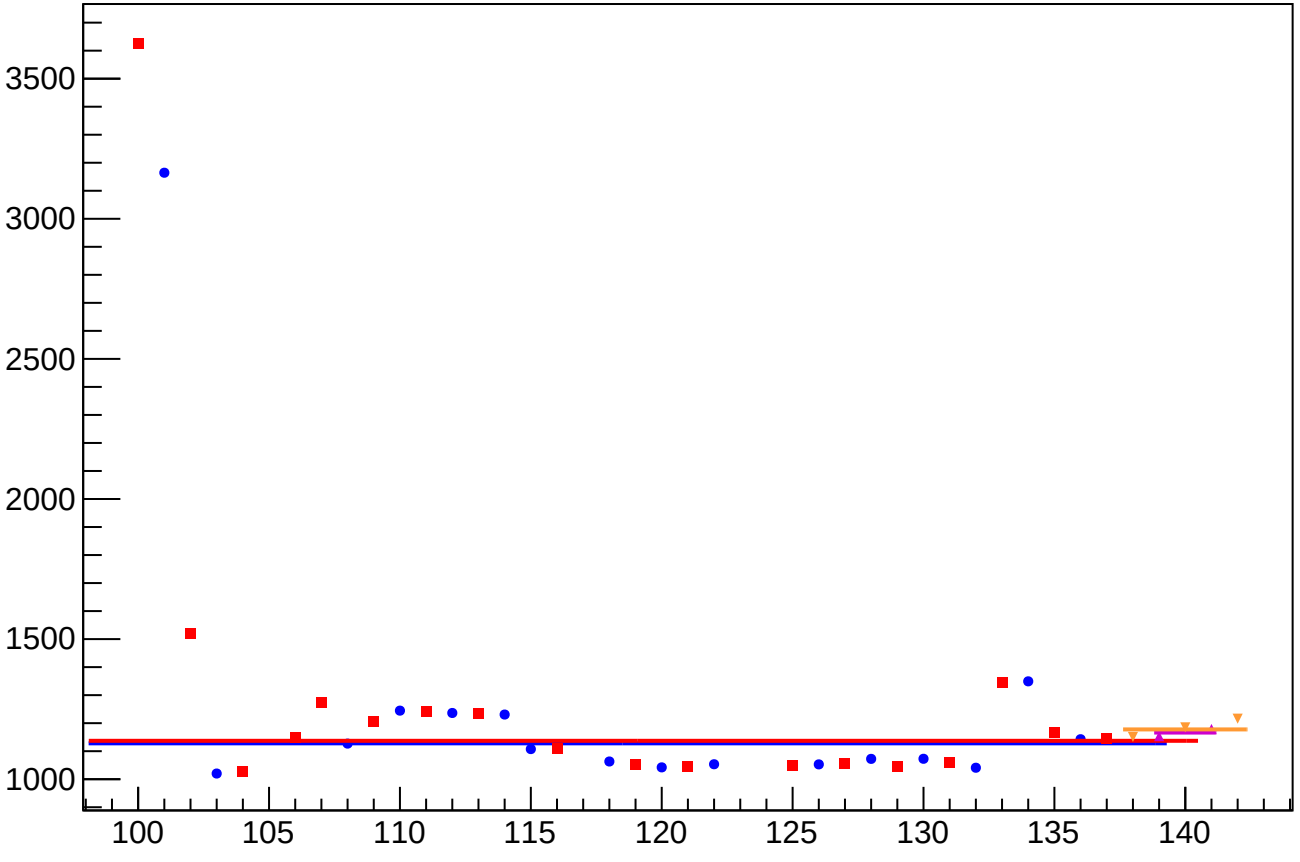
Left In: 1544.692+/-886.721 χ^2/NDF:0.5/1

+ sign -253.015+/-380.204 χ^2/NDF: 22.6/18

All: -14.231+/-271.374 χ^2/NDF: 47.2/38

- sign 233.755+/-387.461 χ^2/NDF: 23.8/19

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1177.671+/-0.580 χ^2/NDF:1795.3/2

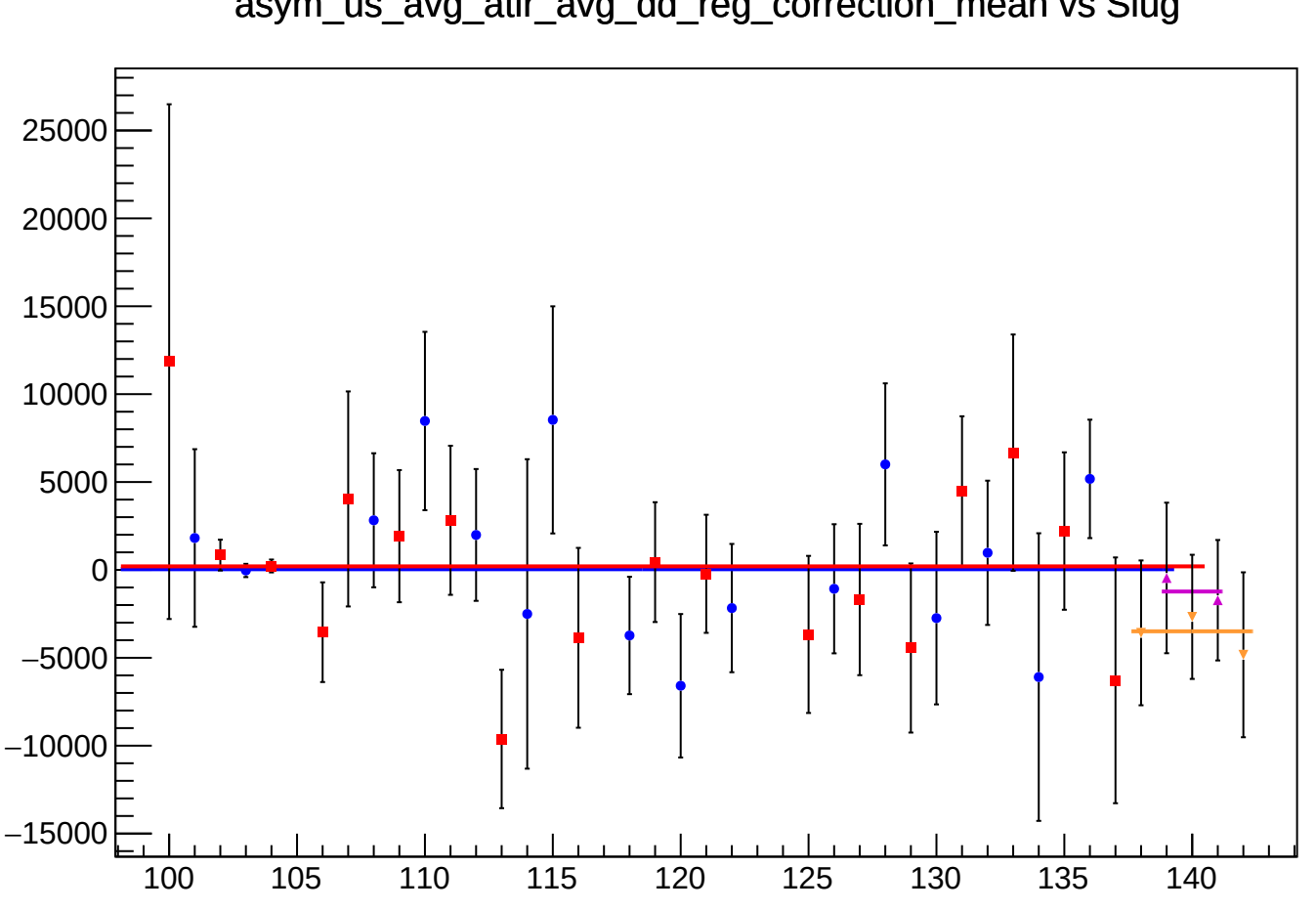
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

\+ sign 1138.691+/-0.269 χ^2/NDF: 628951.6/18

All: 1140.633+/-0.192 χ^2/NDF: 851351.7/38

\- sign 1142.644+/-0.274 χ^2/NDF: 222293.8/19



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -3493.322+/-2328.025 χ^2/NDF:0.1/2

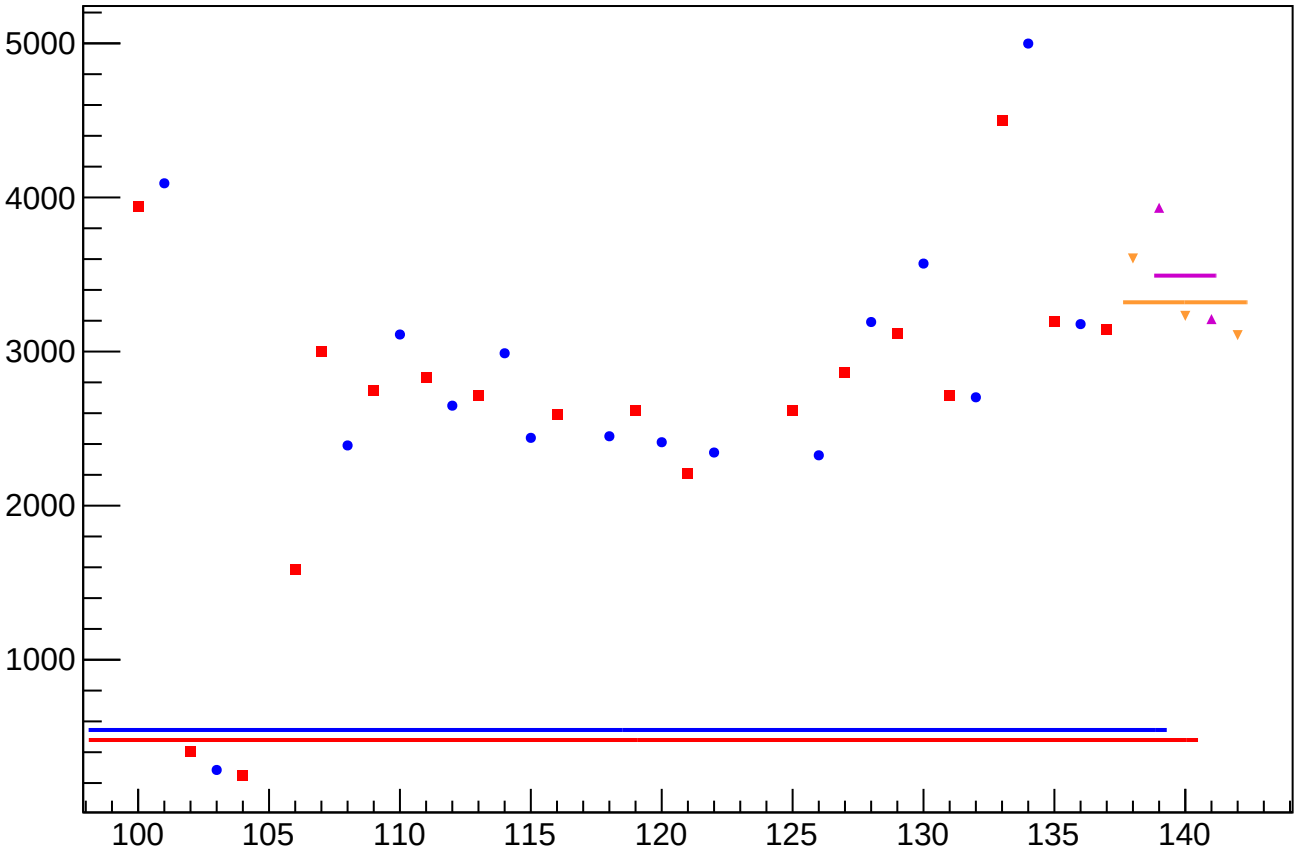
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -1230.121+/-2675.516 χ^2/NDF:0.1/1

+ sign -43.130+/-353.504 χ^2/NDF: 17.2/18

All: 80.051+/-237.329 χ^2/NDF: 33.4/38

- sign 181.131+/-320.226 χ^2/NDF: 16.0/19



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3319.716+/-1.646 χ^2/NDF:14905.6/2

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

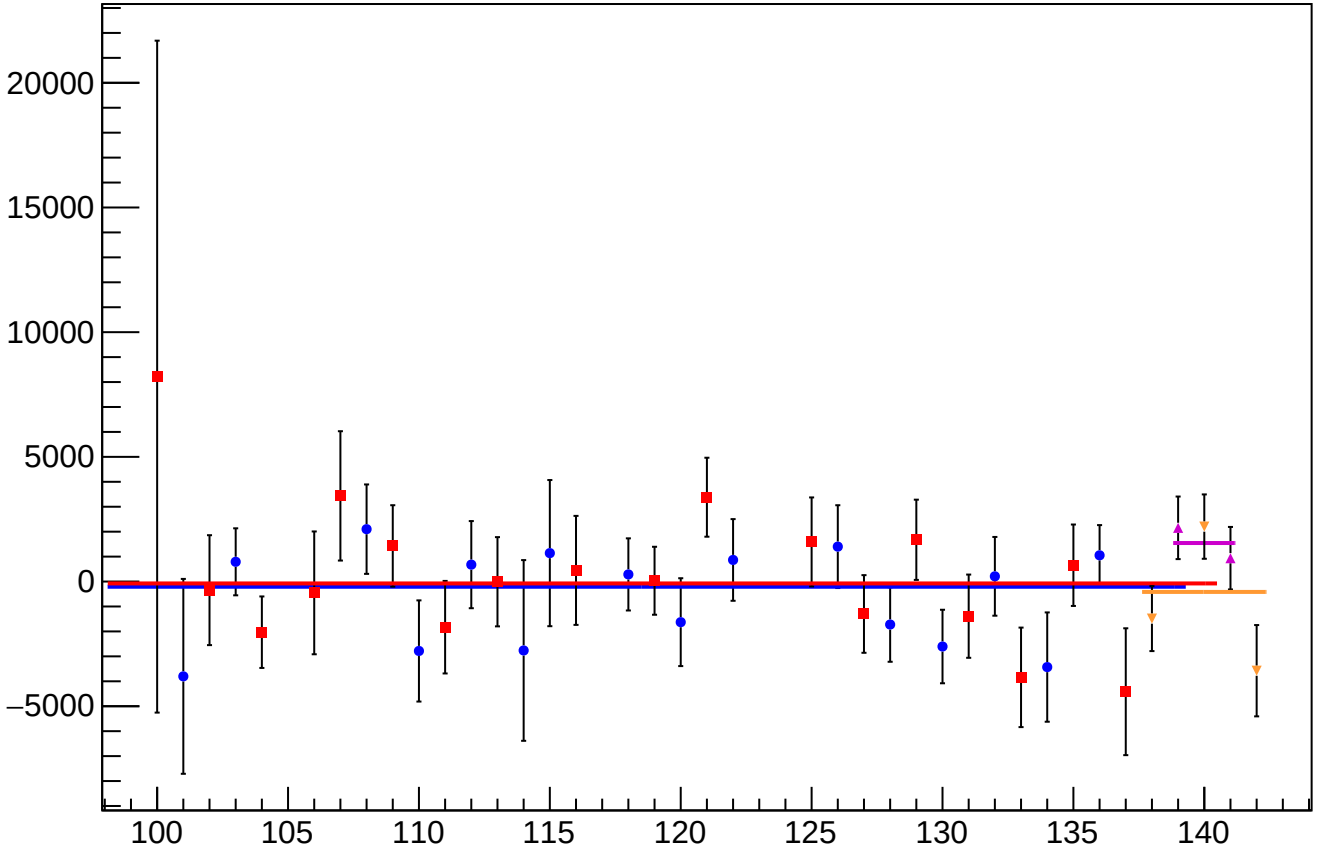
Left In: 3492.715+/-1.892 χ^2/NDF:34682.6/1

+ sign 608.329+/-0.250 χ^2/NDF: 12474828.0/18

All: 561.142+/-0.168 χ^2/NDF: 24263180.3/38

- sign 522.421+/-0.226 χ^2/NDF: 11723473.8/19

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -416.068+/-819.745 χ^2/NDF:7.8/2

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

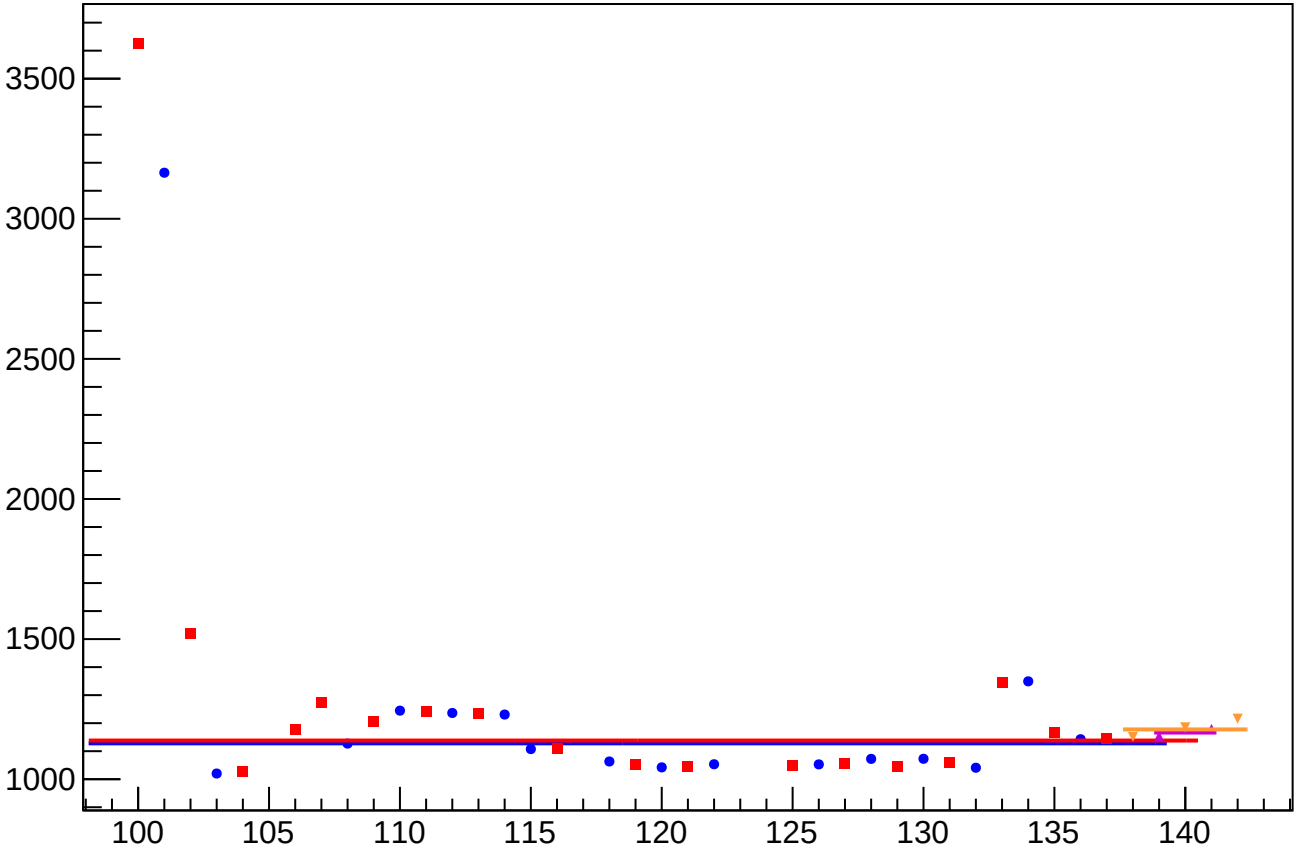
Left In: 1544.884+/-886.721 χ^2/NDF:0.5/1

+ sign -252.845+/-380.204 χ^2/NDF: 22.6/18

All: -14.185+/-271.374 χ^2/NDF: 47.2/38

- sign 233.674+/-387.461 χ^2/NDF: 23.8/19

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1177.671+/-0.580 χ^2/NDF:1795.3/2

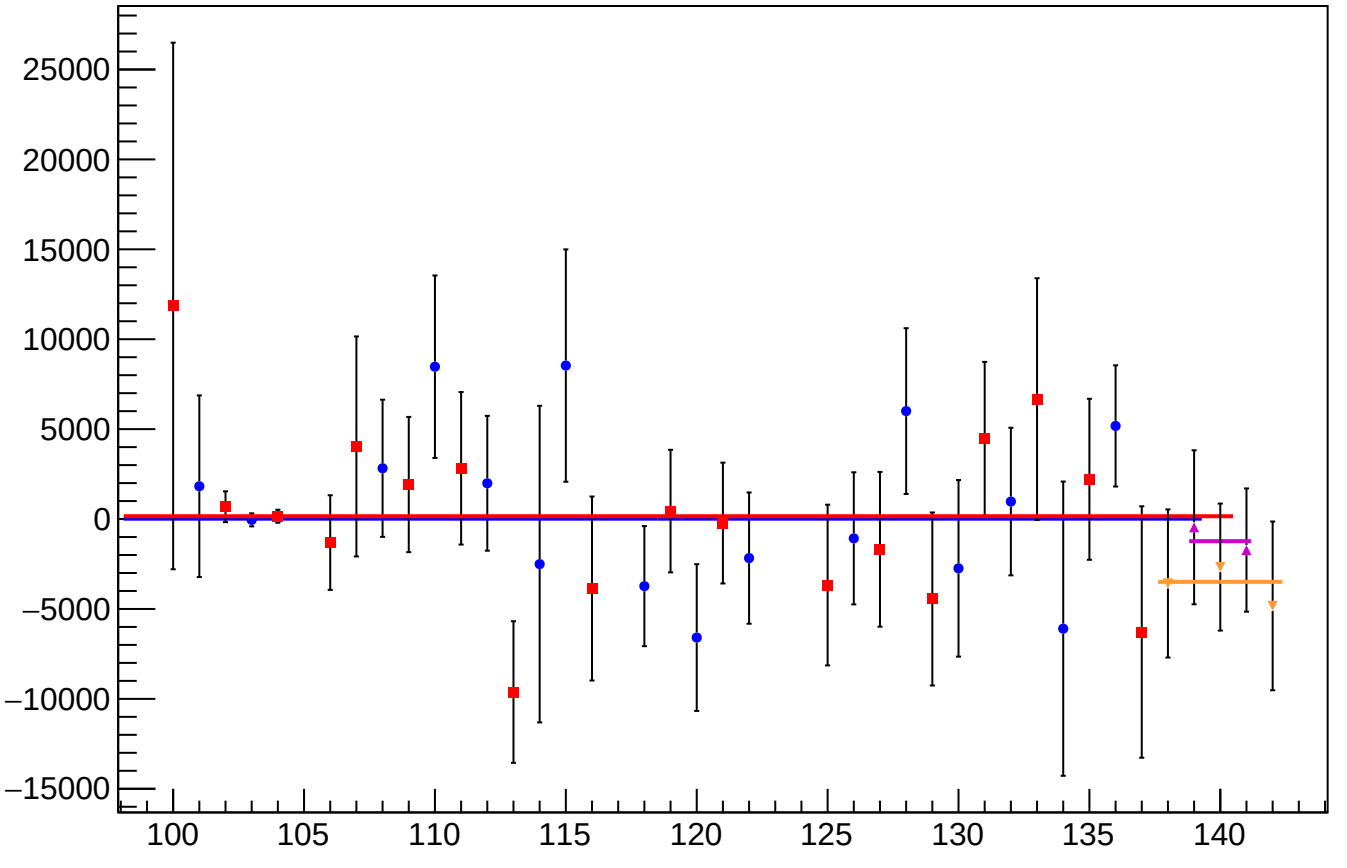
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

\+ sign 1138.691+/-0.269 χ^2/NDF: 628952.8/18

All: 1141.017+/-0.192 χ^2/NDF: 851822.4/38

\- sign 1143.431+/-0.274 χ^2/NDF: 222717.0/19



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3493.360+/-2328.023 χ^2/NDF:0.1/2

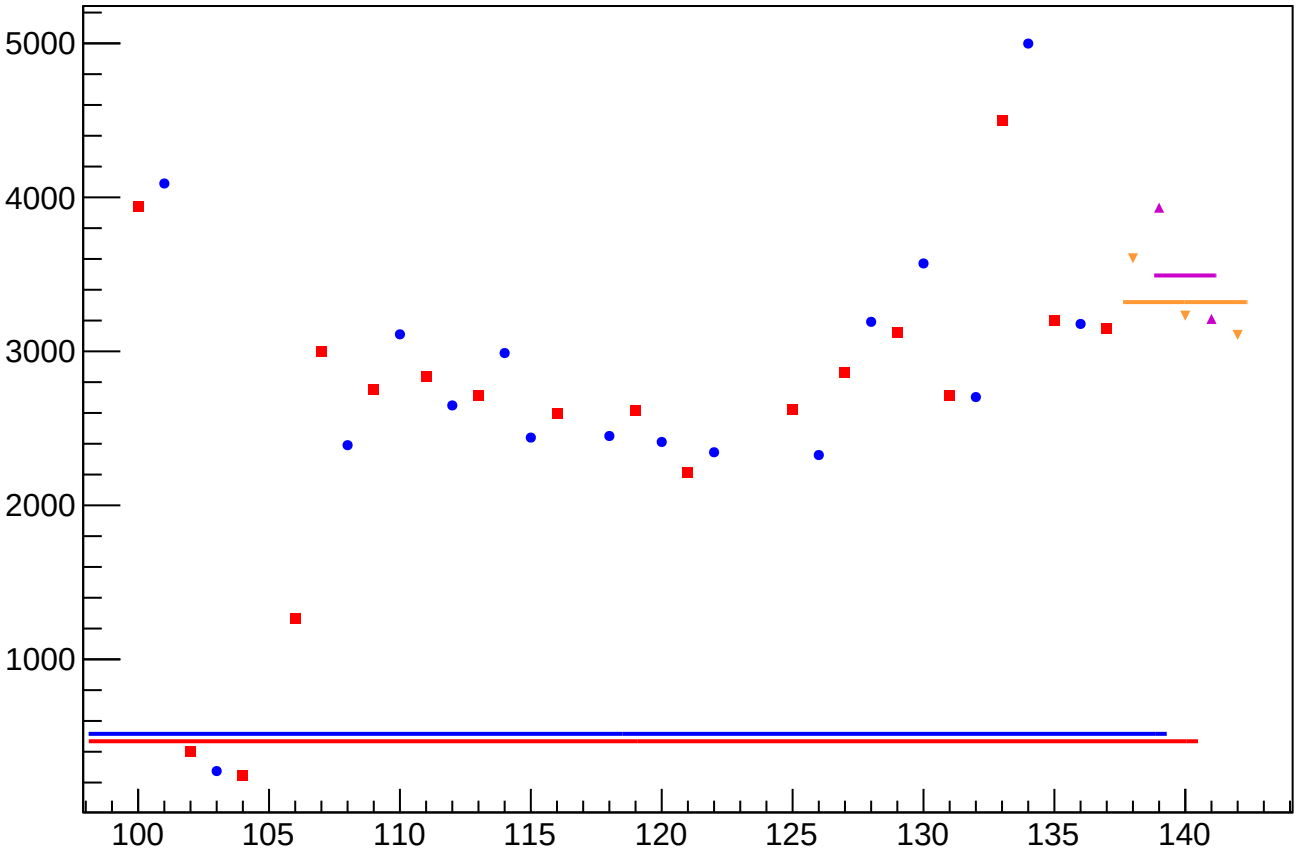
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -1230.183+/-2675.520 χ^2/NDF:0.1/1

+ sign -53.688+/-340.814 χ^2/NDF: 17.2/18

All: 49.099+/-231.389 χ^2/NDF: 31.7/38

- sign 136.994+/-315.158 χ^2/NDF: 14.3/19



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3319.712+/-1.646 χ^2/NDF:14905.1/2

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

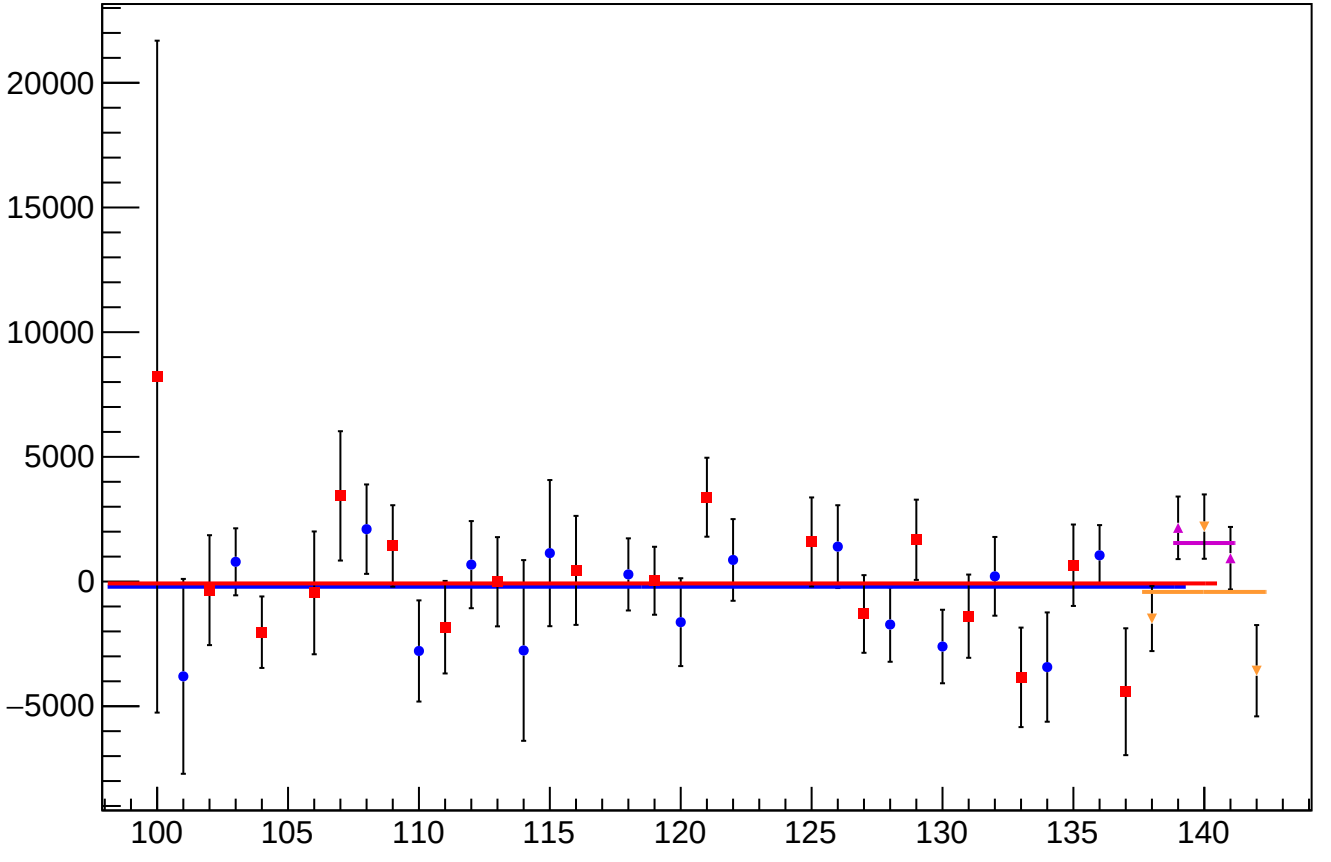
Left In: 3492.720+/-1.892 χ^2/NDF:34682.7/1

+ sign 576.379+/-0.241 χ^2/NDF: 12687635.1/18

All: 540.612+/-0.164 χ^2/NDF: 24394971.1/38

- sign 510.027+/-0.223 χ^2/NDF: 11666473.1/19

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: -416.068+/-819.745 χ^2/NDF:7.8/2

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

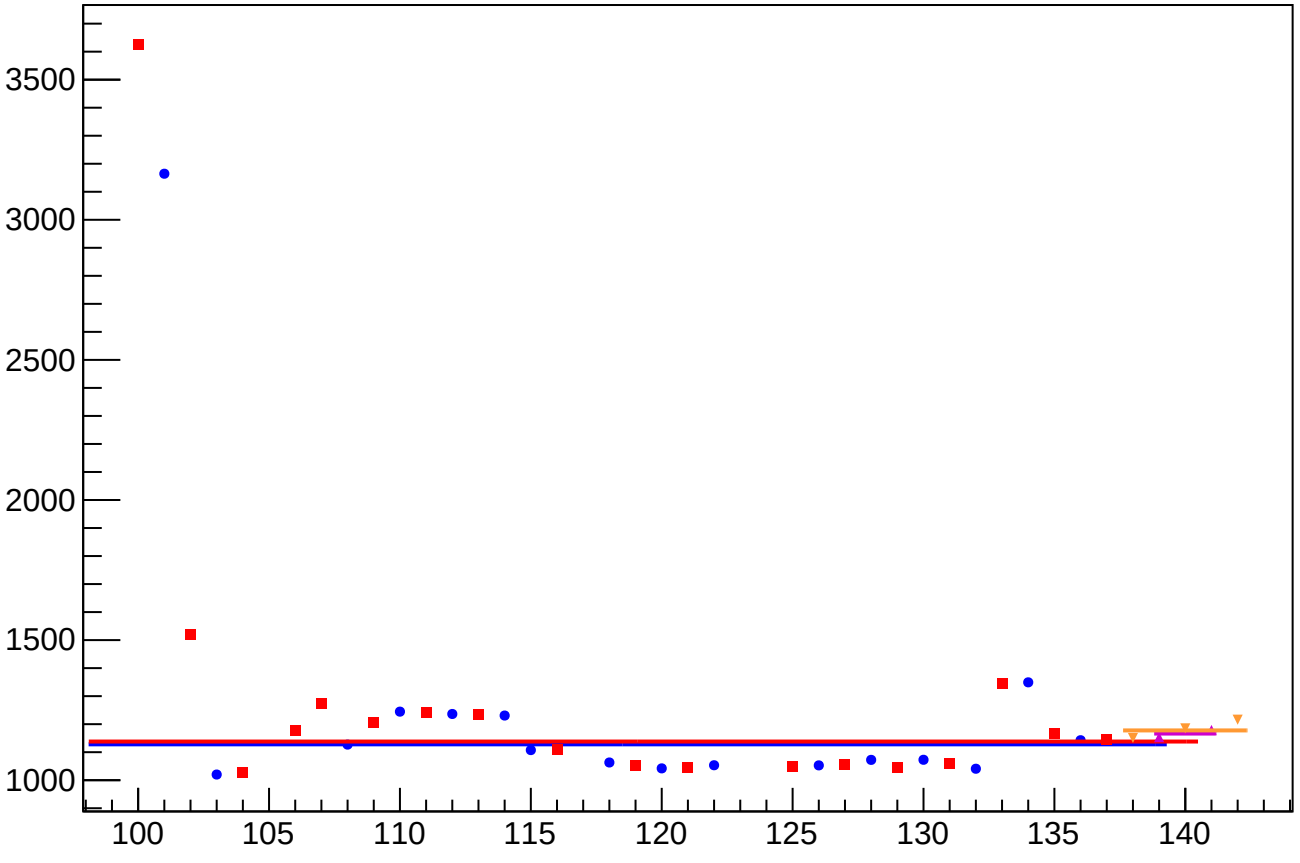
Left In: 1544.884+/-886.721 χ^2/NDF:0.5/1

+ sign -252.845+/-380.204 χ^2/NDF: 22.6/18

All: -14.185+/-271.374 χ^2/NDF: 47.2/38

- sign 233.674+/-387.461 χ^2/NDF: 23.8/19

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: 1177.671+/-0.580 χ^2/NDF:1795.3/2

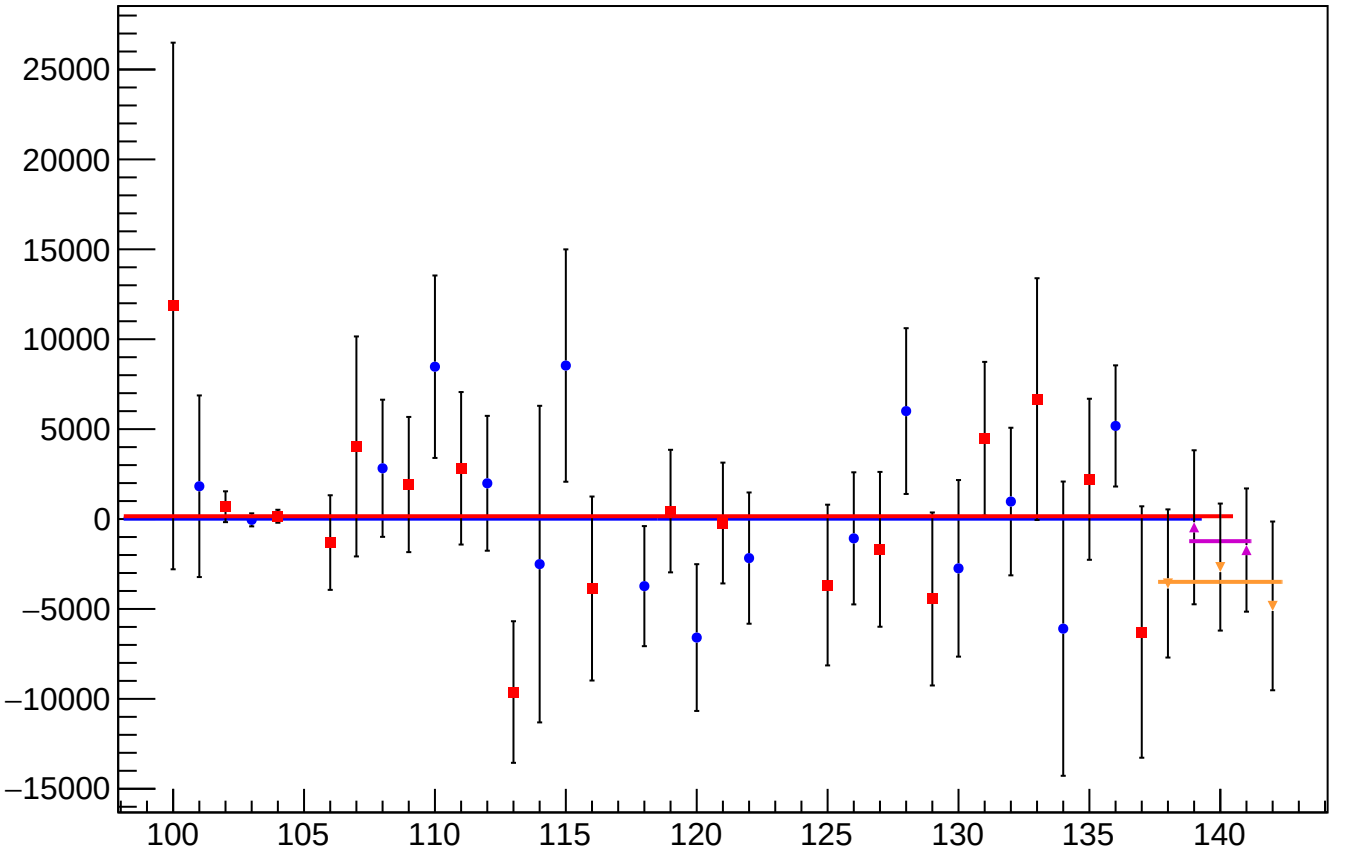
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

\+ sign 1138.691+/-0.269 χ^2/NDF: 628952.8/18

All: 1141.017+/-0.192 χ^2/NDF: 851822.4/38

\- sign 1143.431+/-0.274 χ^2/NDF: 222717.0/19



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3493.360+/-2328.023 χ^2/NDF:0.1/2

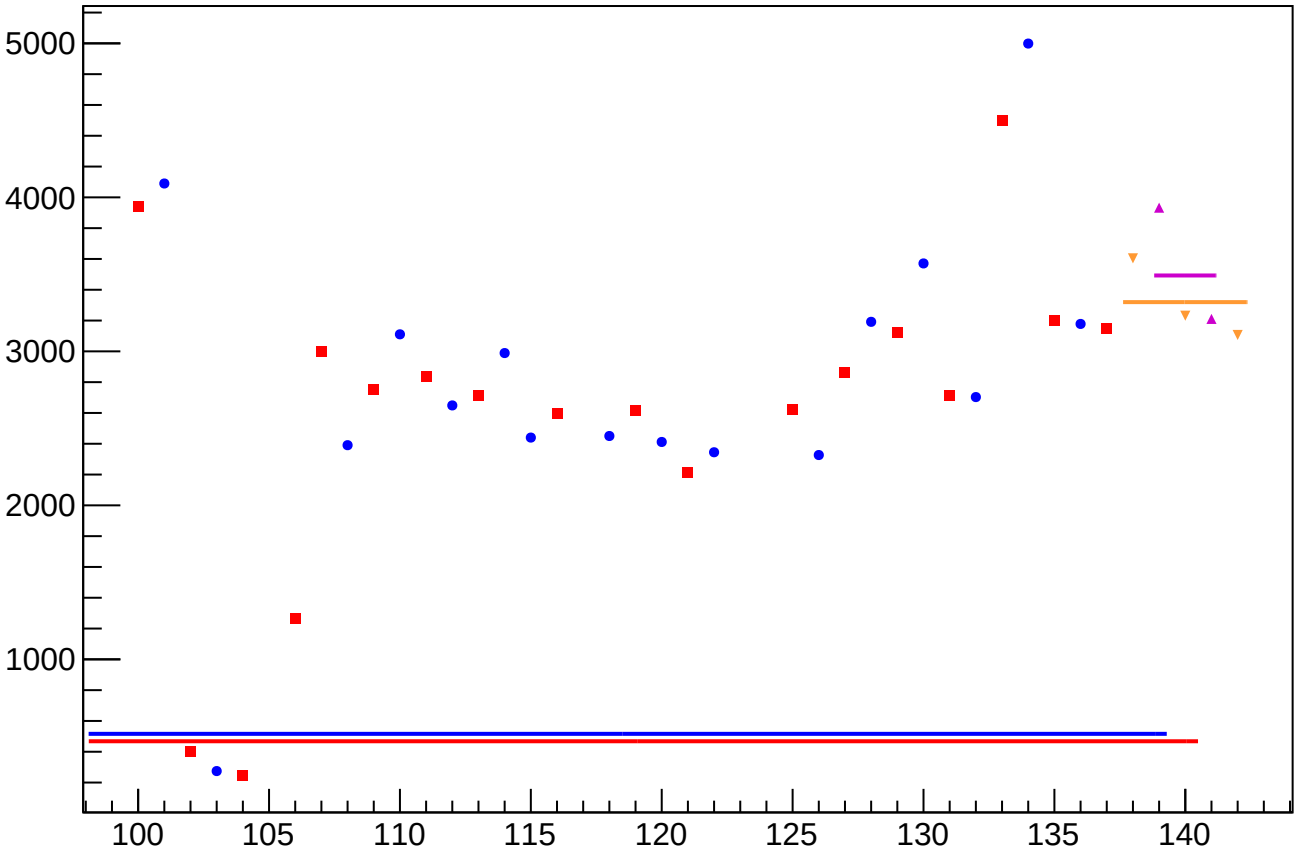
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -1230.183+/-2675.520 χ^2/NDF:0.1/1

+ sign -53.688+/-340.814 χ^2/NDF: 17.2/18

All: 49.099+/-231.389 χ^2/NDF: 31.7/38

- sign 136.994+/-315.158 χ^2/NDF: 14.3/19



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3319.712+/-1.646 χ^2/NDF:14905.1/2

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

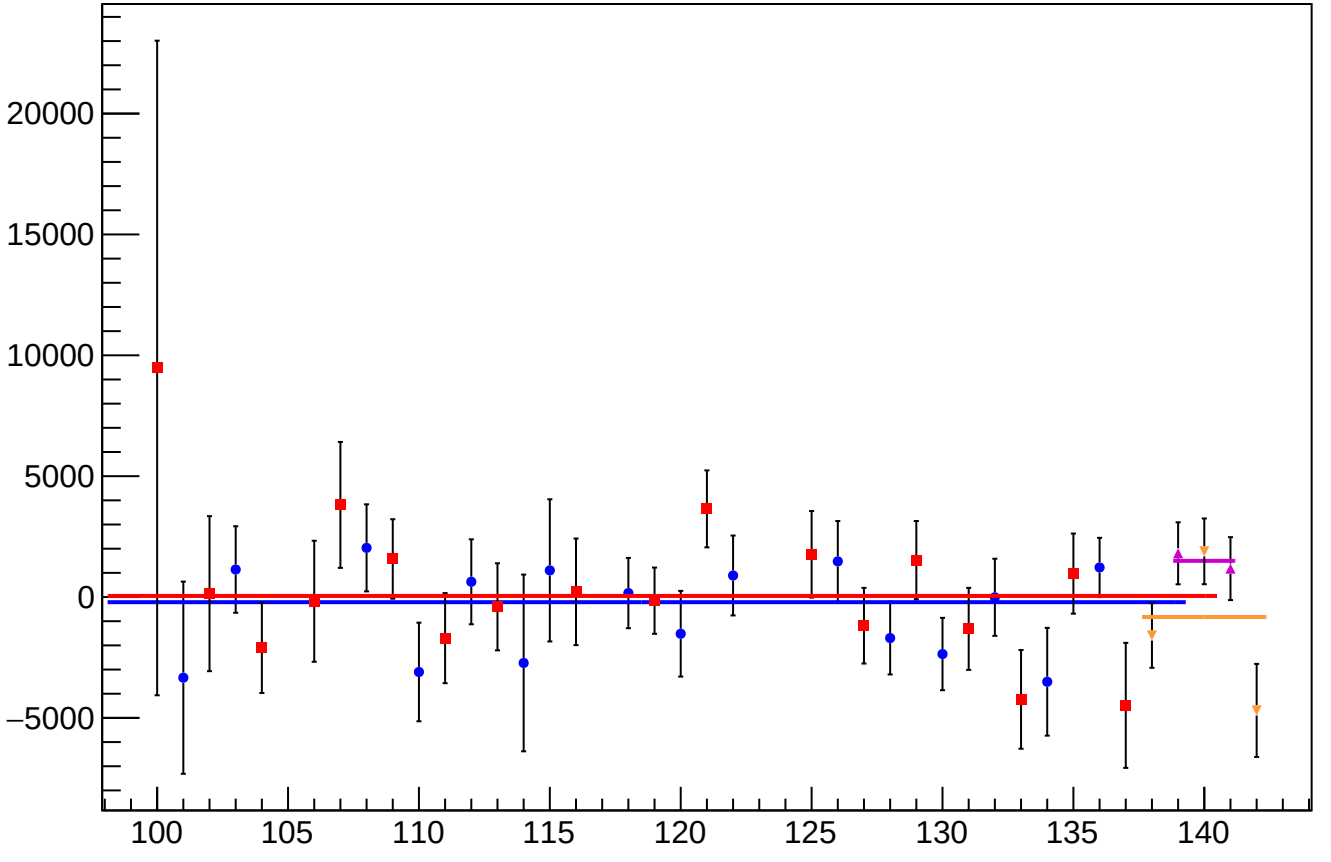
Left In: 3492.720+/-1.892 χ^2/NDF:34682.7/1

+ sign 576.379+/-0.241 χ^2/NDF: 12687635.1/18

All: 540.612+/-0.164 χ^2/NDF: 24394971.1/38

- sign 510.027+/-0.223 χ^2/NDF: 11666473.1/19

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: -826.280+/-854.385 χ^2/NDF:8.3/2

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

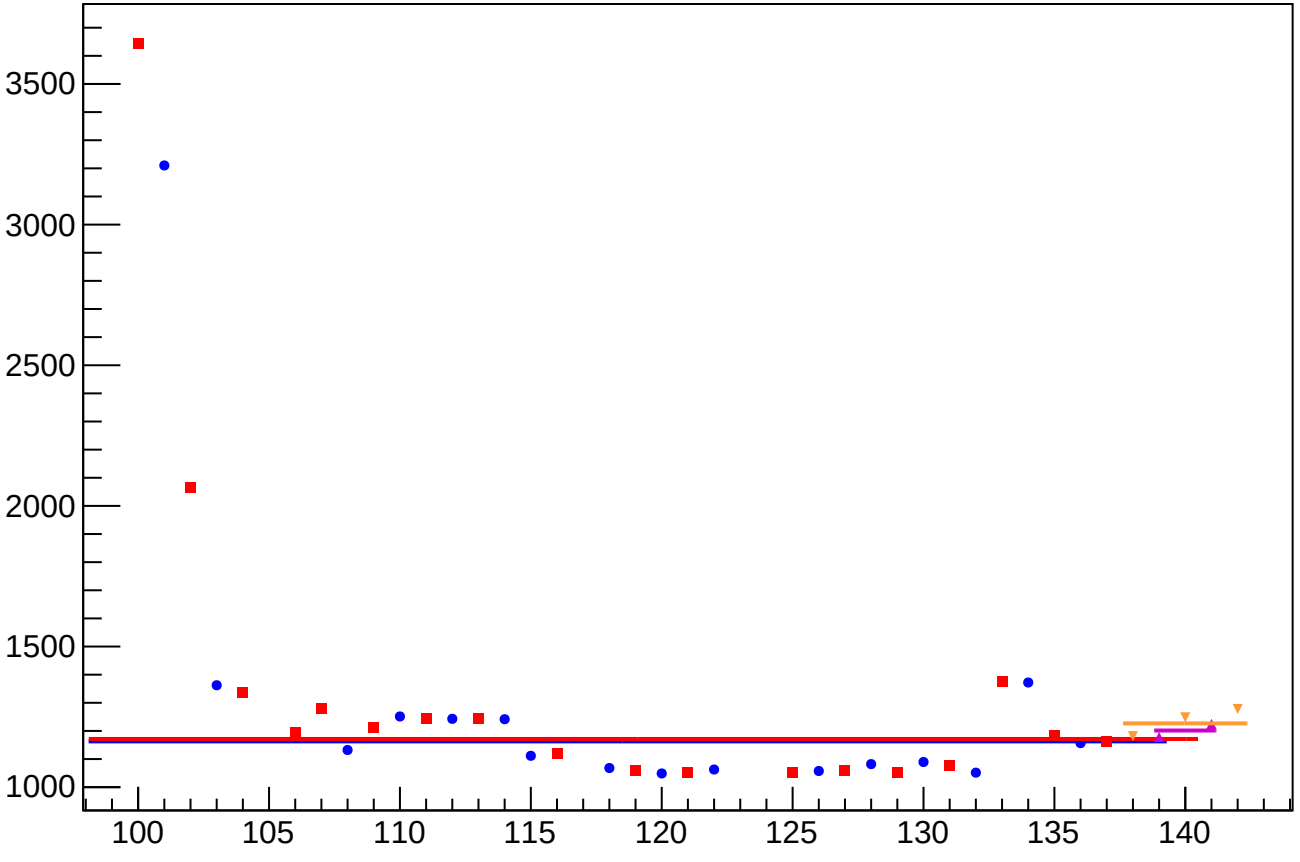
Left In: 1497.252+/-913.669 χ^2/NDF:0.1/1

+ sign -342.859+/-393.057 χ^2/NDF: 23.1/18

All: -15.627+/-280.933 χ^2/NDF: 48.3/38

- sign 326.124+/-401.683 χ^2/NDF: 23.8/19

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1226.798+/-0.604 χ^2/NDF:4223.3/2

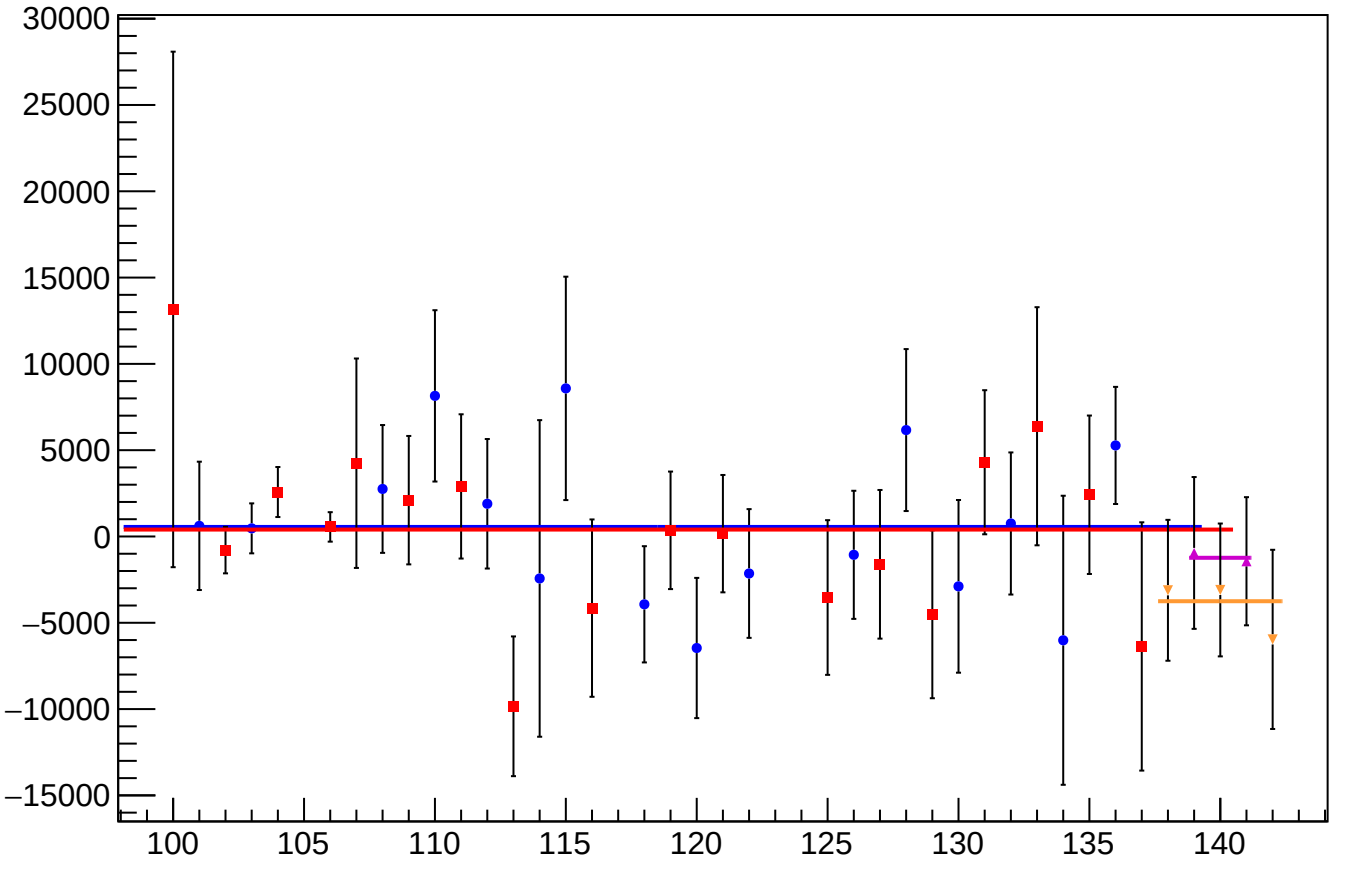
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1201.450+/-0.646 χ^2/NDF:1282.0/1

+ sign 1176.385+/-0.278 χ^2/NDF: 648409.2/18

All: 1176.794+/-0.199 χ^2/NDF: 983079.7/38

- sign 1177.220+/-0.284 χ^2/NDF: 334666.1/19



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -3751.017+/-2464.341 χ^2/NDF:0.2/2

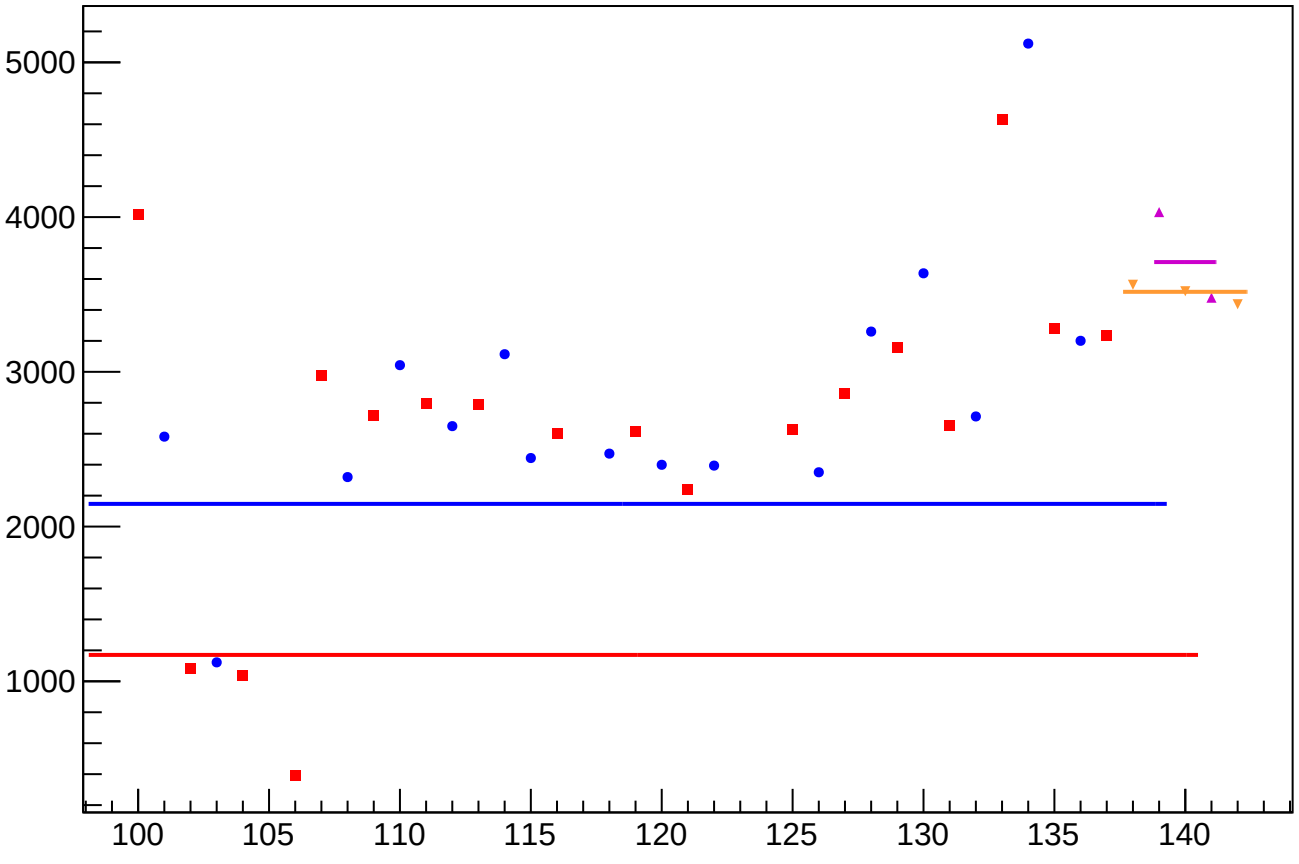
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -1234.778+/-2836.827 χ^2/NDF:0.0/1

+ sign 71.562+/-823.836 χ^2/NDF: 17.3/18

All: 254.741+/-460.258 χ^2/NDF: 34.4/38

- sign 337.858+/-554.938 χ^2/NDF: 17.0/19



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3517.098+/-1.743 χ^2/NDF:731.7/2

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

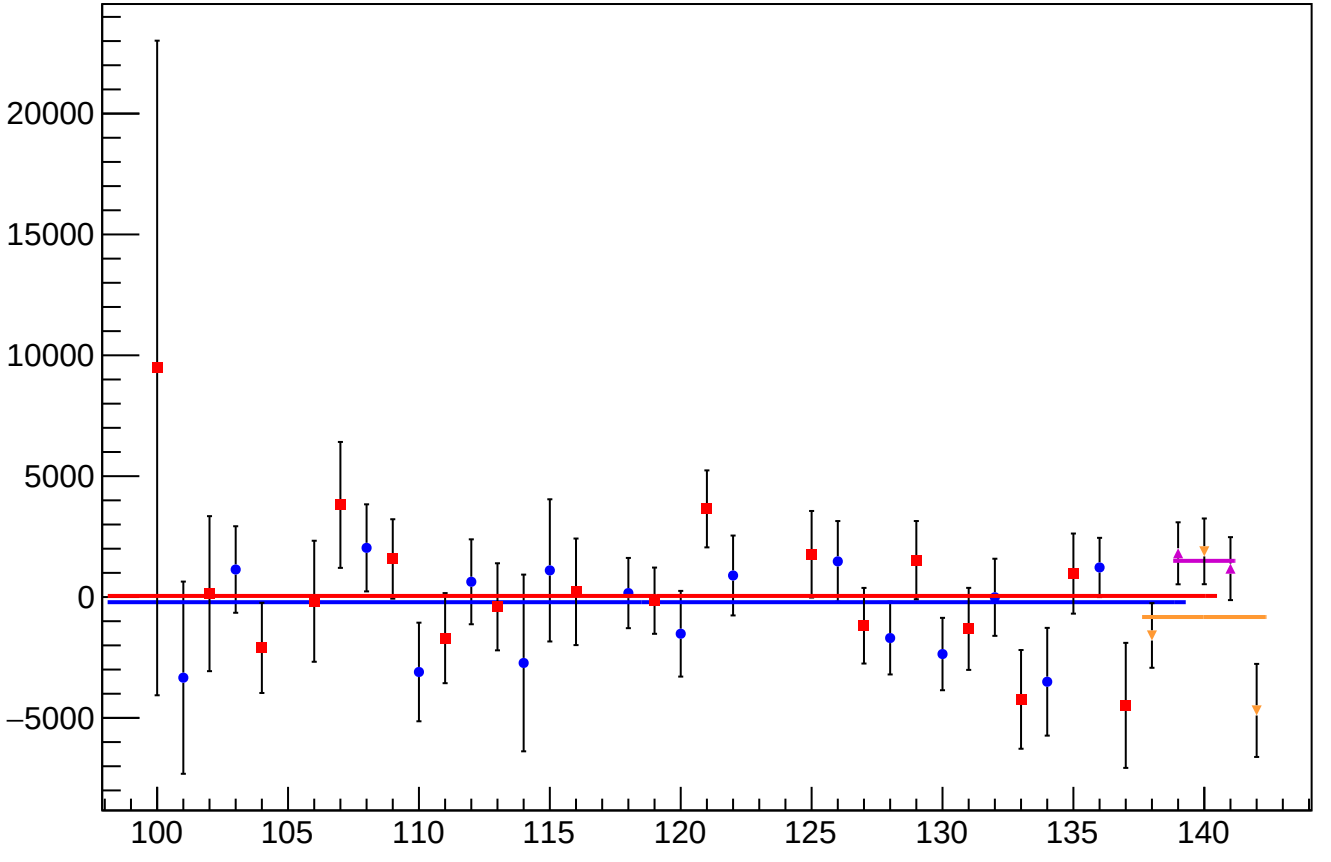
Left In: 3709.382+/-2.006 χ^2/NDF:18479.1/1

+ sign 2299.779+/-0.583 χ^2/NDF: 2524877.7/18

All: 1589.850+/-0.325 χ^2/NDF: 12060462.0/3

- sign 1267.726+/-0.392 χ^2/NDF: 7376518.6/19

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: -826.290+/-854.385 χ^2/NDF:8.3/2

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

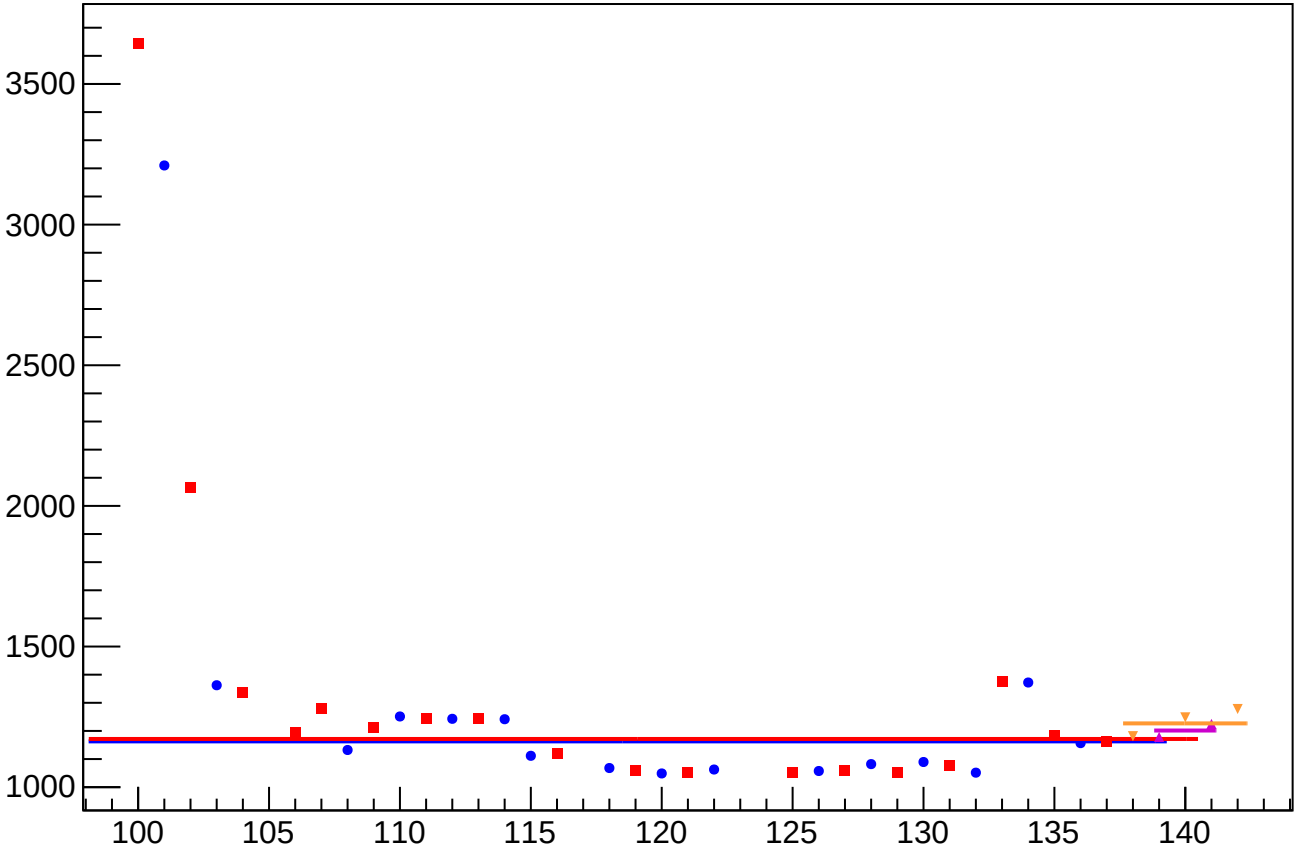
Left In: 1497.241+/-913.669 χ^2/NDF:0.1/1

+ sign -342.863+/-393.057 χ^2/NDF: 23.1/18

All: -15.629+/-280.933 χ^2/NDF: 48.3/38

- sign 326.124+/-401.683 χ^2/NDF: 23.8/19

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: 1226.799+/-0.604 χ^2/NDF:4223.4/2

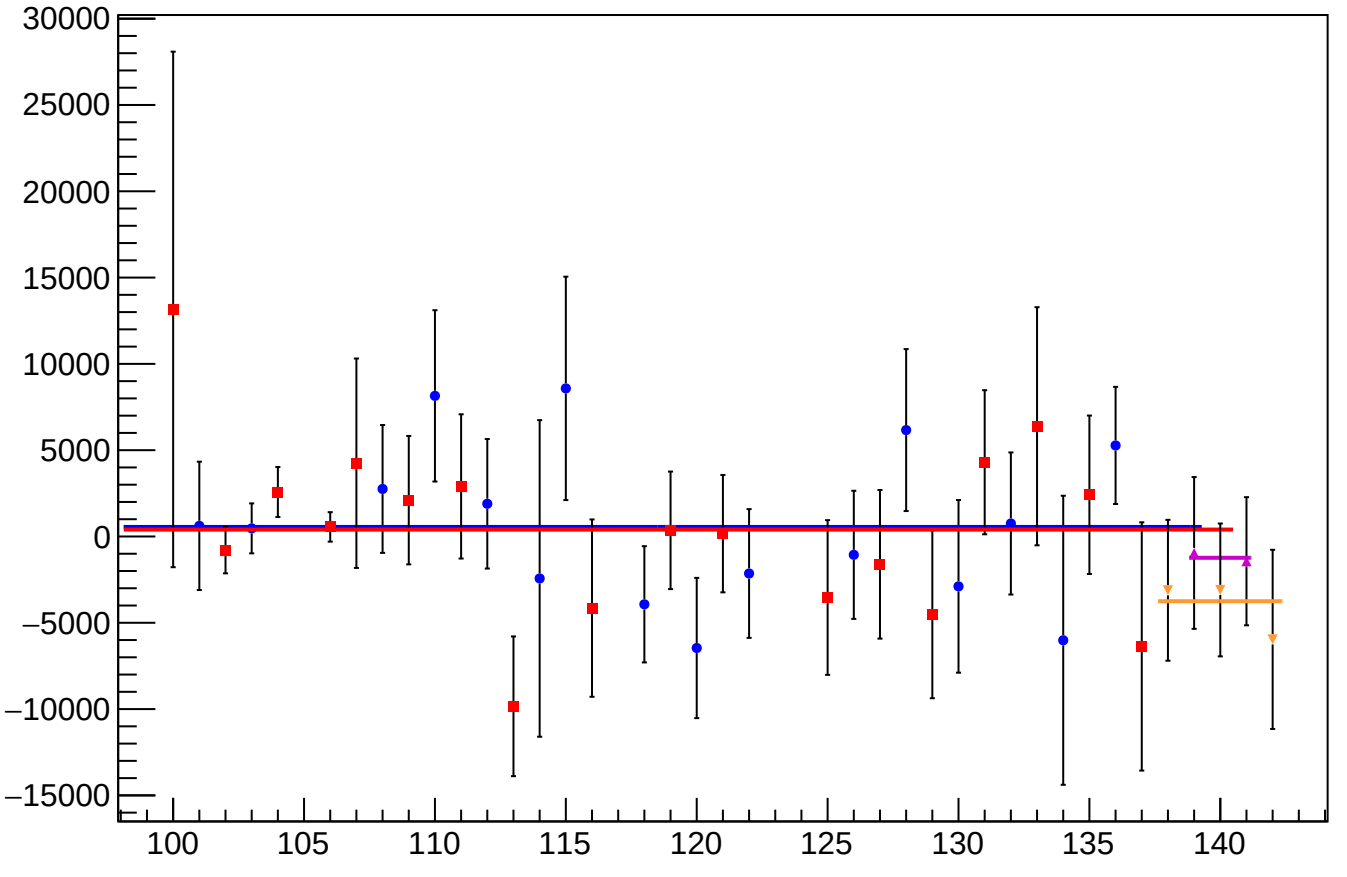
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1201.451+/-0.646 χ^2/NDF:1282.0/1

+ sign 1176.385+/-0.278 χ^2/NDF: 648409.6/18

All: 1176.794+/-0.199 χ^2/NDF: 983079.7/38

- sign 1177.220+/-0.284 χ^2/NDF: 334665.8/19



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -3751.031+/-2464.344 χ^2/NDF:0.2/2

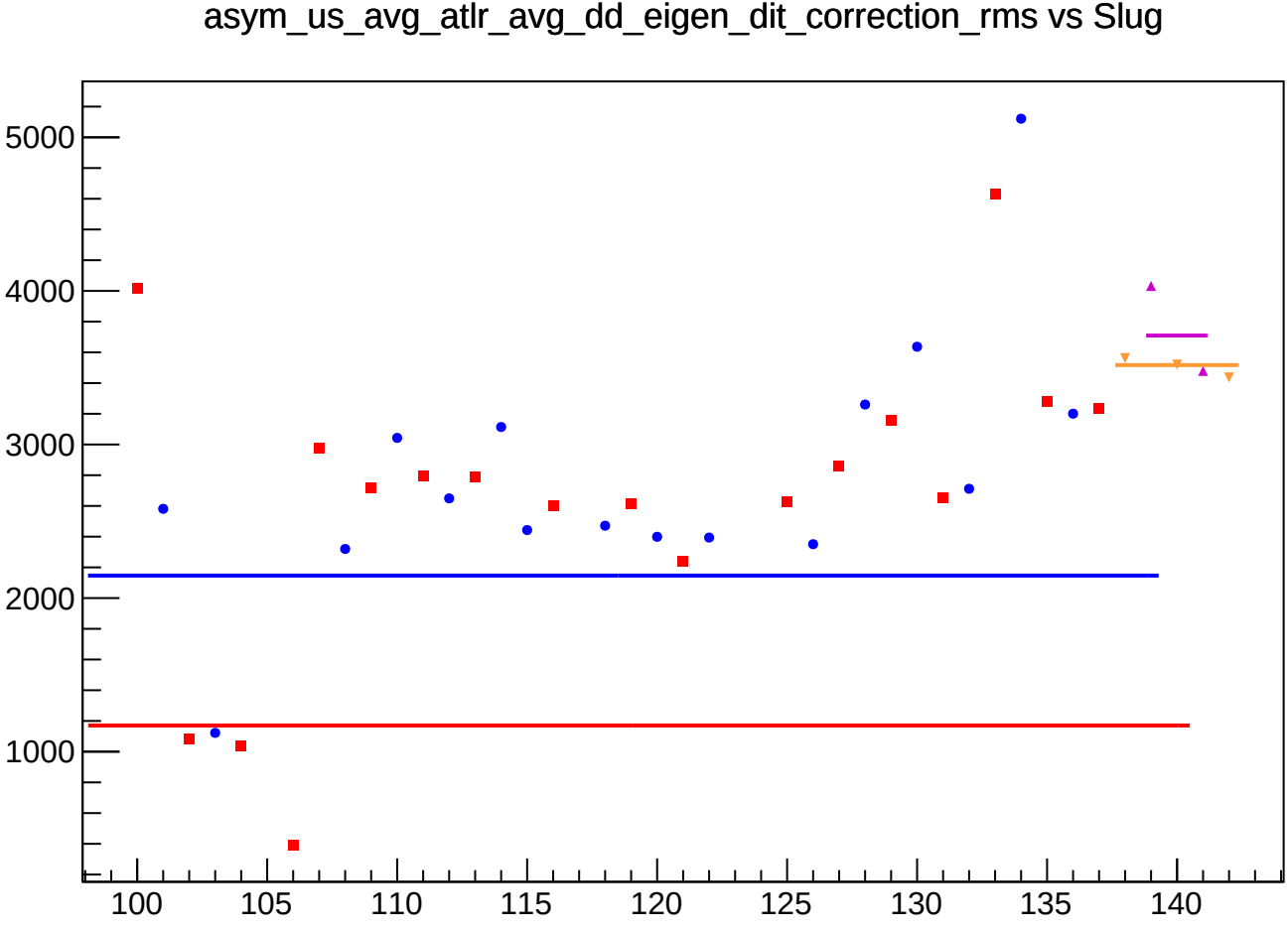
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -1234.788+/-2836.830 χ^2/NDF:0.0/1

+ sign 71.557+/-823.835 χ^2/NDF: 17.3/18

All: 254.743+/-460.254 χ^2/NDF: 34.4/38

- sign 337.860+/-554.932 χ^2/NDF: 17.0/19



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3517.103+/-1.743 χ^2/NDF:731.7/2

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

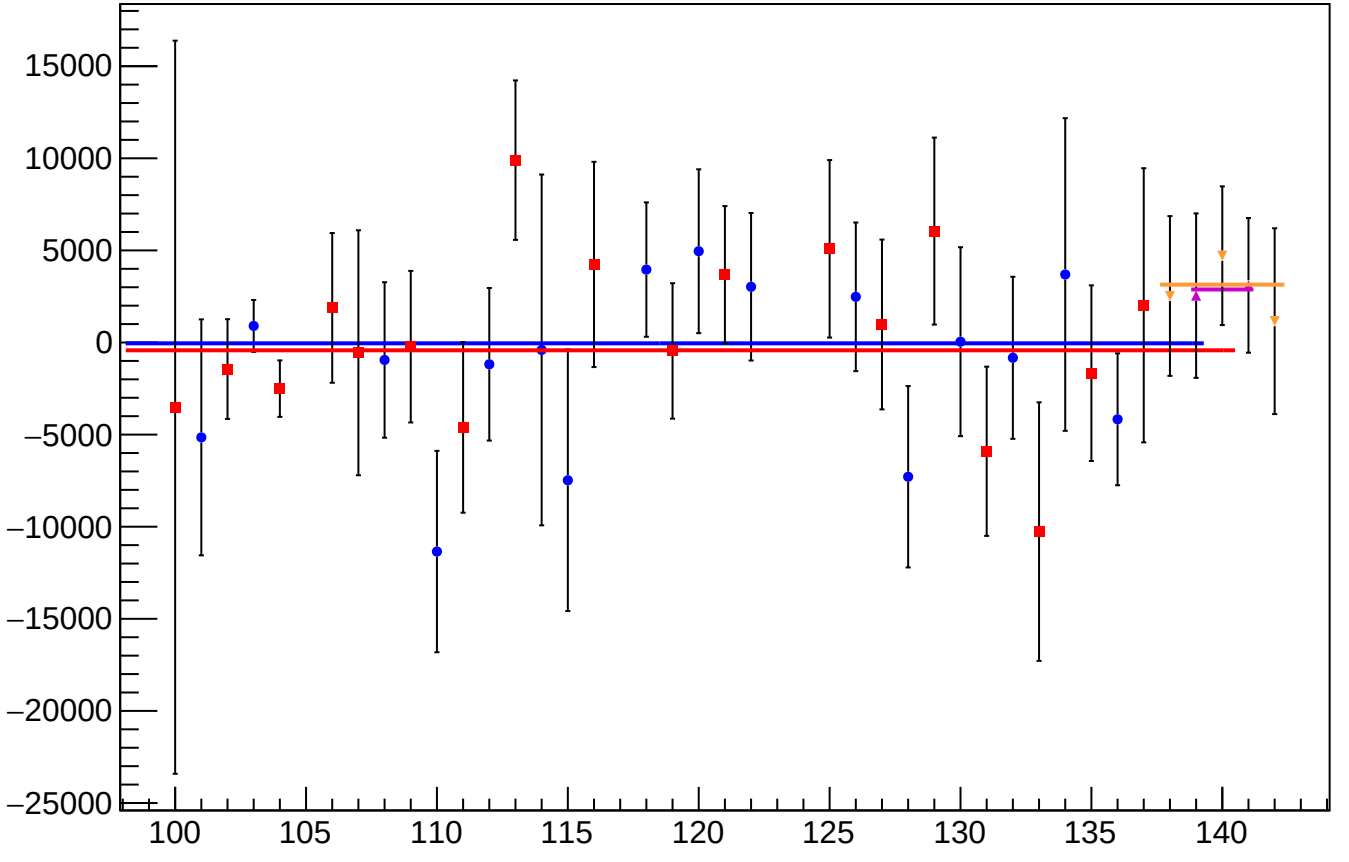
Left In: 3709.386+/-2.006 χ^2/NDF:18479.7/1

+ sign 2299.776+/-0.583 χ^2/NDF: 2524878.6/18

All: 1589.827+/-0.325 χ^2/NDF: 12060730.6/3

- sign 1267.701+/-0.392 χ^2/NDF: 7376676.9/19

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 3141.316+/-2476.723 χ^2/NDF:0.3/2

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

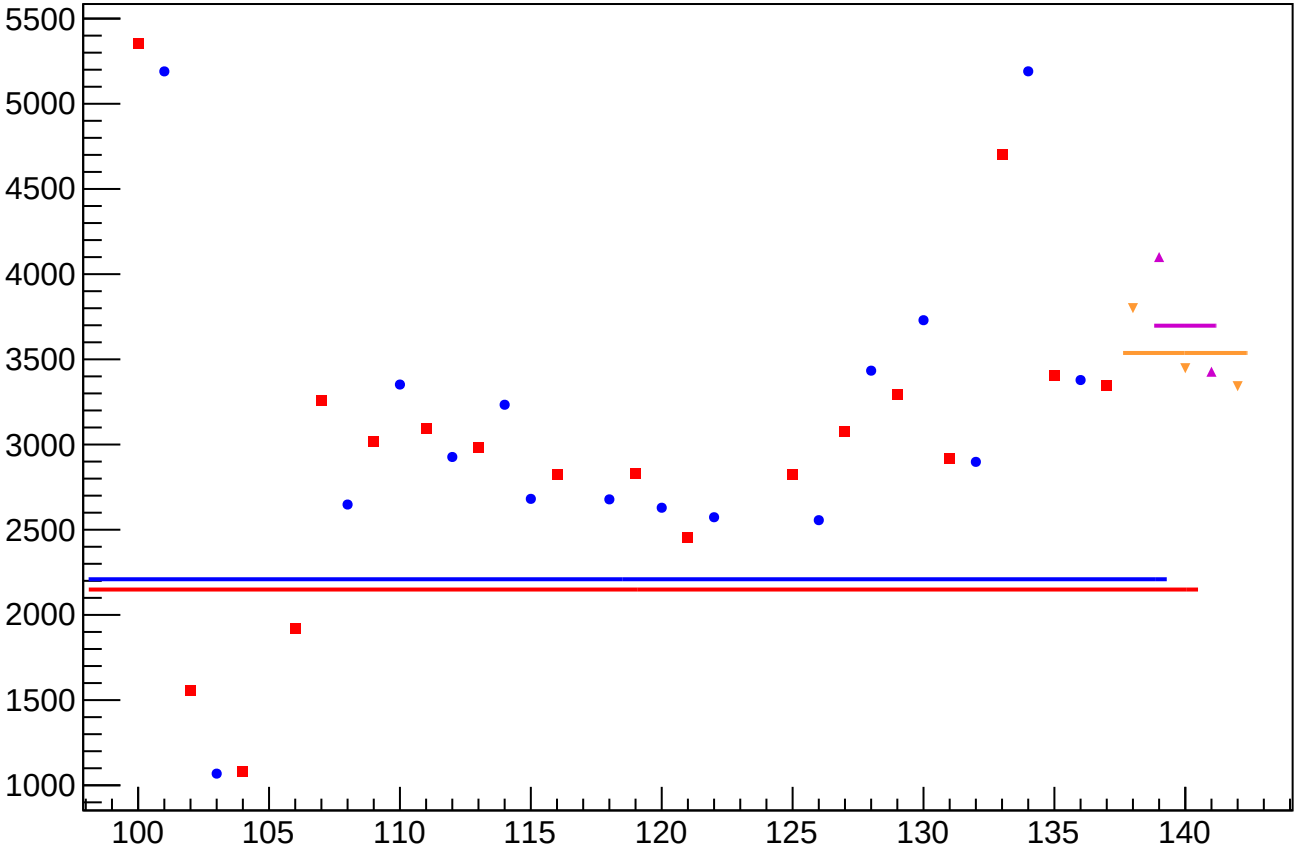
Left In: 2878.448+/-2827.826 χ^2/NDF:0.0/1

+ sign 341.998+/-863.029 χ^2/NDF: 15.6/18

All: 107.886+/-607.319 χ^2/NDF: 34.3/38

- sign -121.775+/-854.786 χ^2/NDF: 18.6/19

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3537.441+/-1.751 χ^2/NDF:11482.5/2

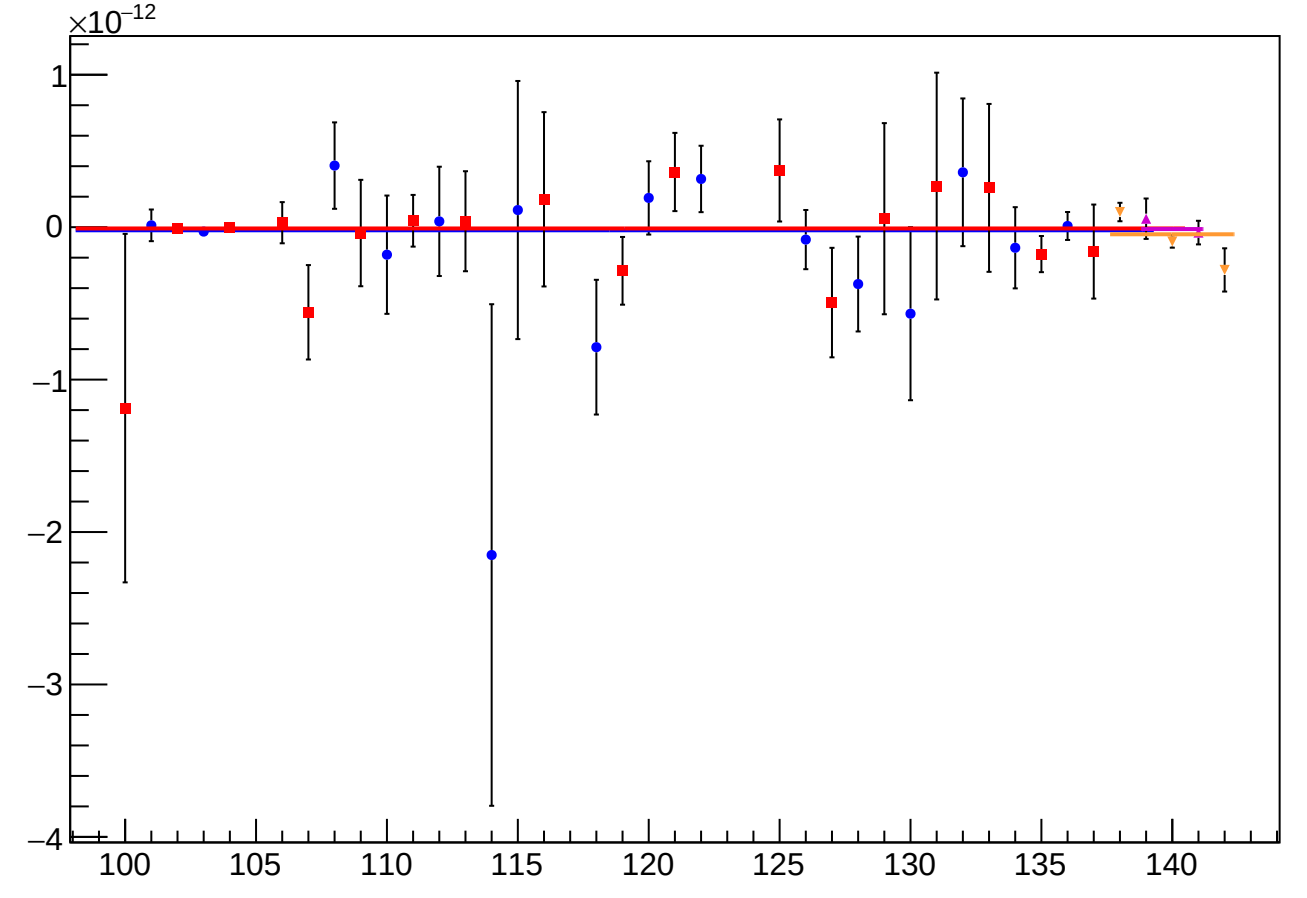
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3697.570+/-2.000 χ^2/NDF:27221.7/1

+ sign 2370.608+/-0.610 χ^2/NDF: 3353615.3/18

All: 2329.745+/-0.429 χ^2/NDF: 6204605.7/38

- sign 2289.833+/-0.603 χ^2/NDF: 2842127.5/19



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/2

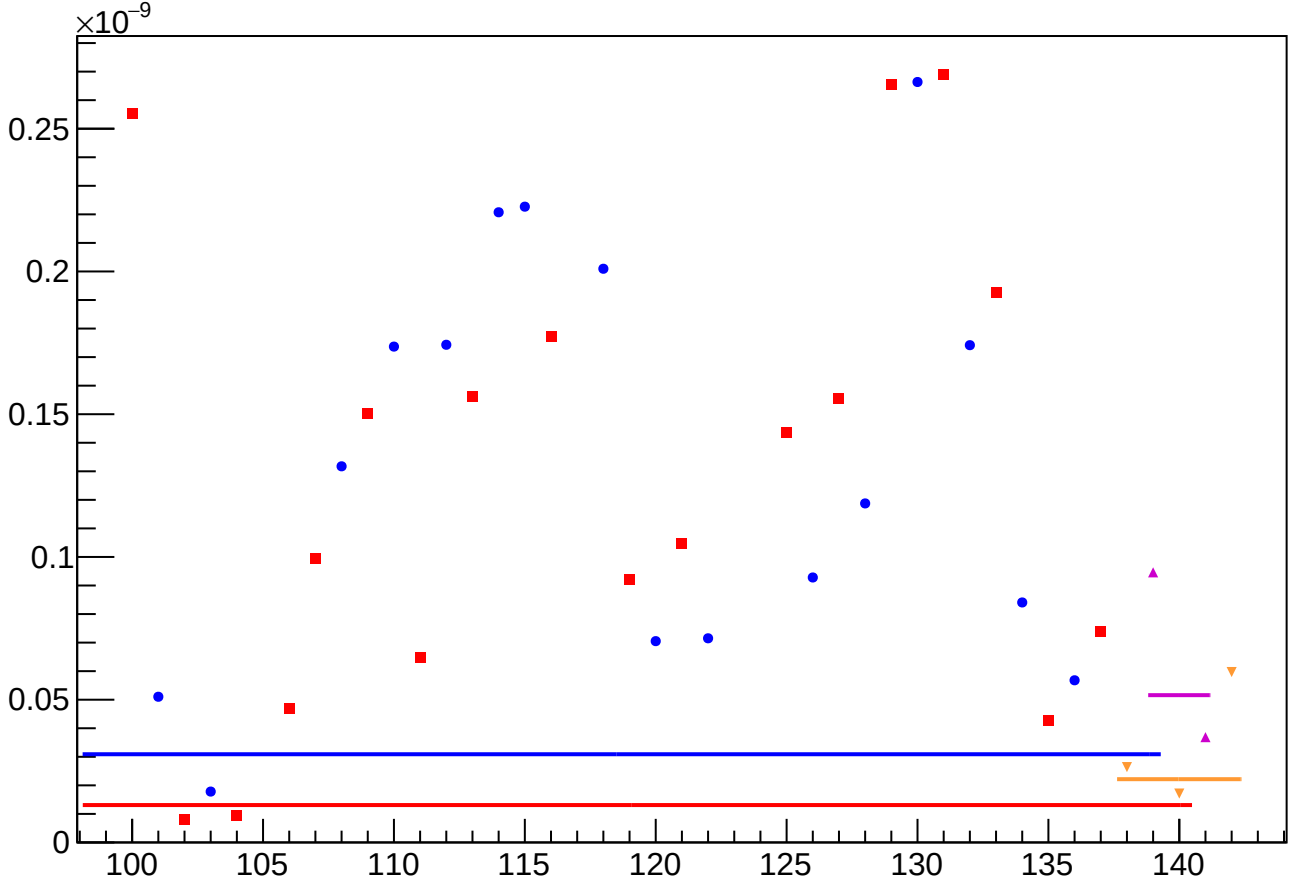
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/18

All: -0.000+/-0.000 χ^2/NDF: 39.1/38

- sign -0.000+/-0.000 χ^2/NDF: 14.3/19



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:180092.6/2

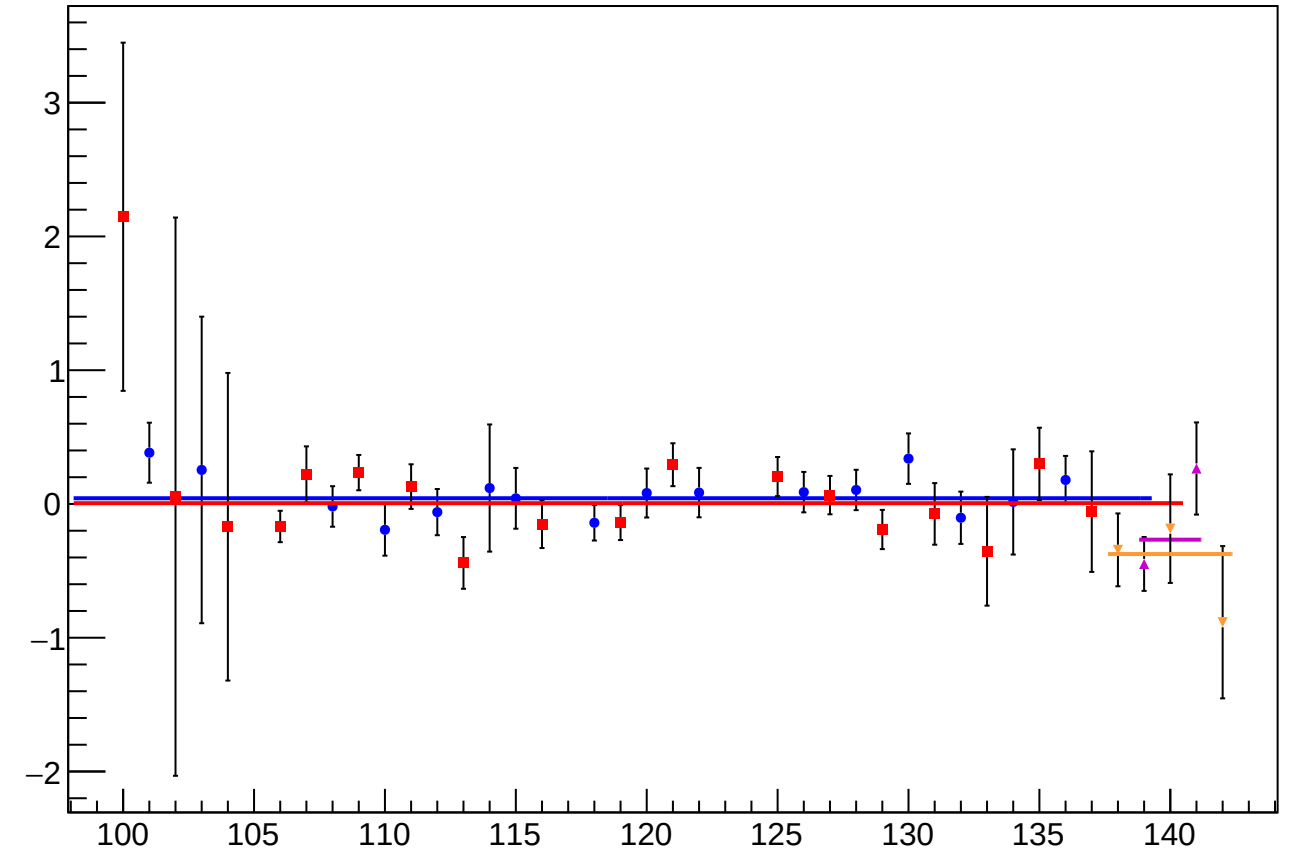
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:282744.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 3266756.3/18

All: 0.000+/-0.000 χ^2/NDF: 8363051.0/38

- sign 0.000+/-0.000 χ^2/NDF: 4572964.7/19



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.374+/-0.210 χ^2/NDF:1.0/2

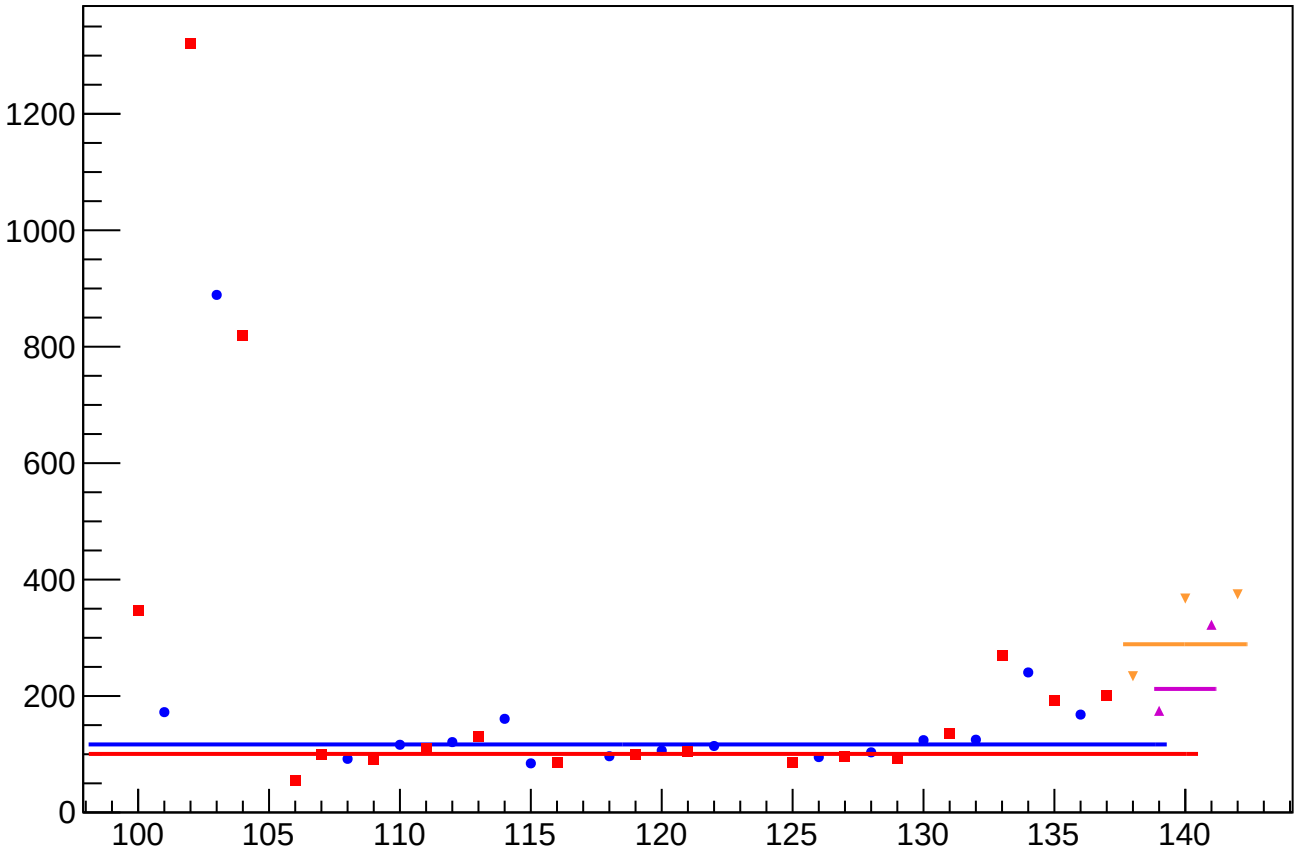
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.267+/-0.174 χ^2/NDF:3.2/1

+ sign 0.023+/-0.046 χ^2/NDF: 15.0/18

All: 0.005+/-0.031 χ^2/NDF: 46.9/38

- sign -0.010+/-0.042 χ^2/NDF: 31.5/19



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.935+/-0.149 χ^2/NDF:201602.6/2

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

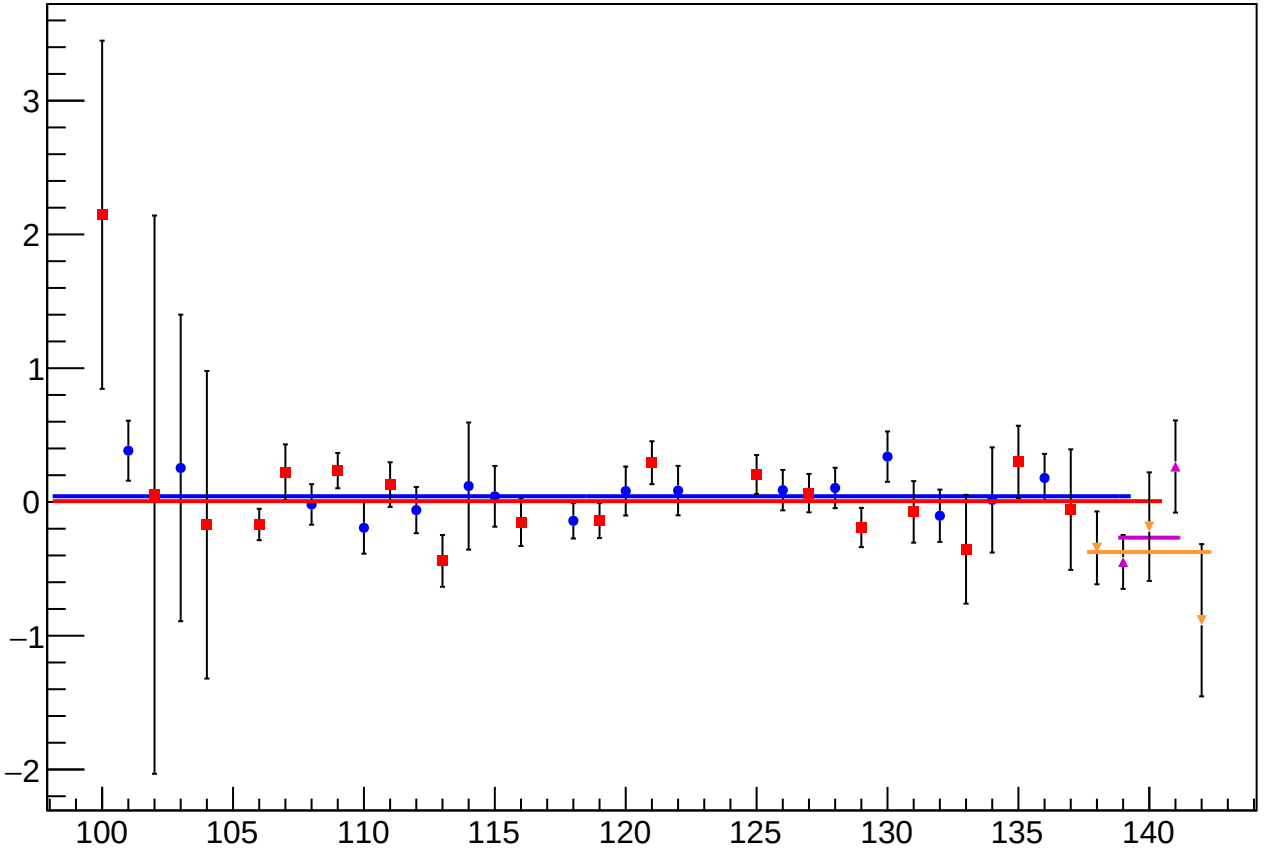
Left In: 212.187+/-0.123 χ^2/NDF:274447.8/1

+ sign 125.194+/-0.033 χ^2/NDF: 3098427.6/18

All: 115.282+/-0.022 χ^2/NDF: 6981318.0/38

- sign 107.091+/-0.030 χ^2/NDF: 3715495.5/19

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.374+/-0.210 χ^2/NDF:1.0/2

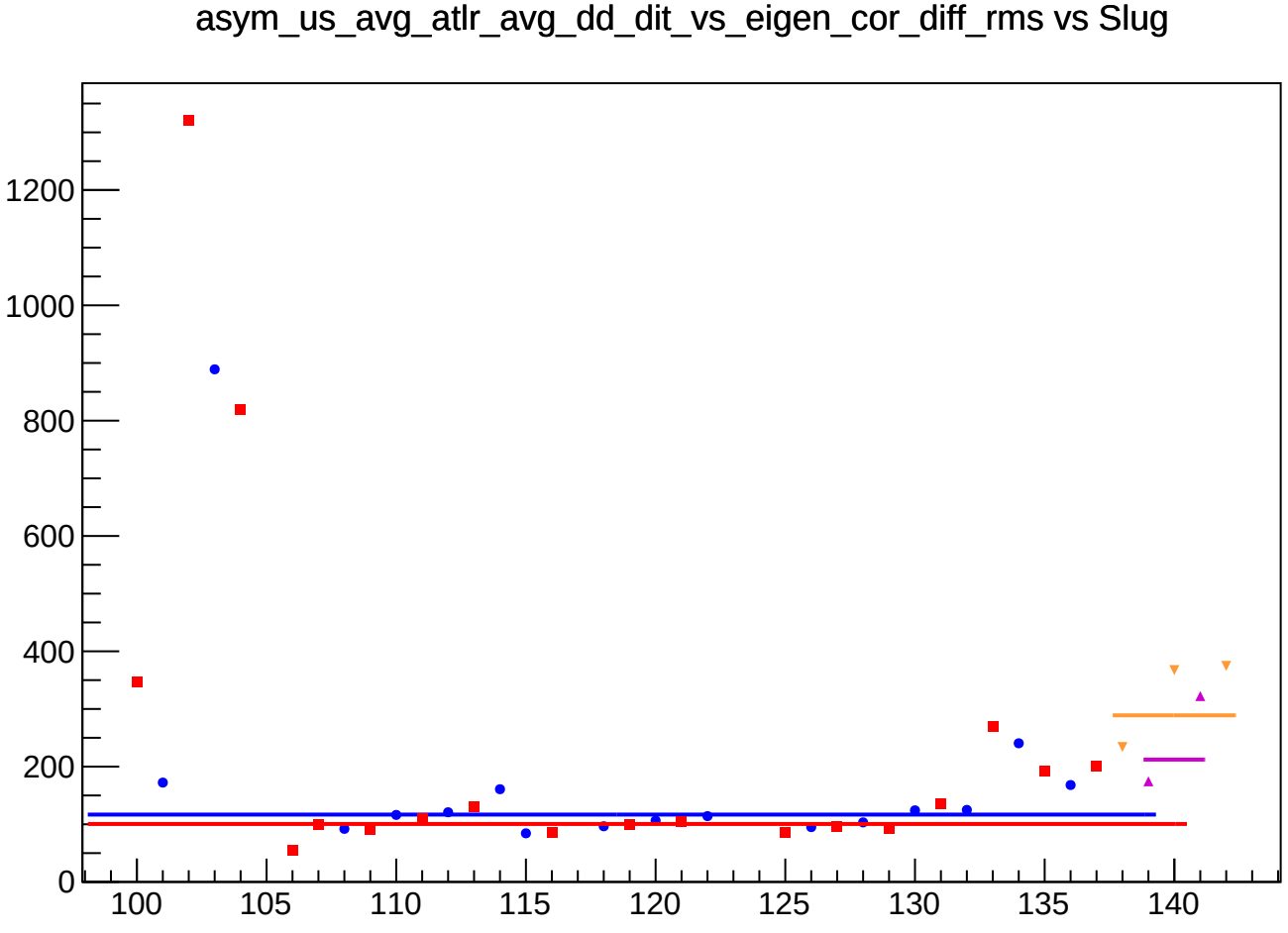
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.267+/-0.174 χ^2/NDF:3.2/1

+ sign 0.023+/-0.046 χ^2/NDF: 15.0/18

All: 0.005+/-0.031 χ^2/NDF: 46.9/38

- sign -0.010+/-0.042 χ^2/NDF: 31.5/19



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.935+/-0.149 χ^2/NDF:201602.6/2

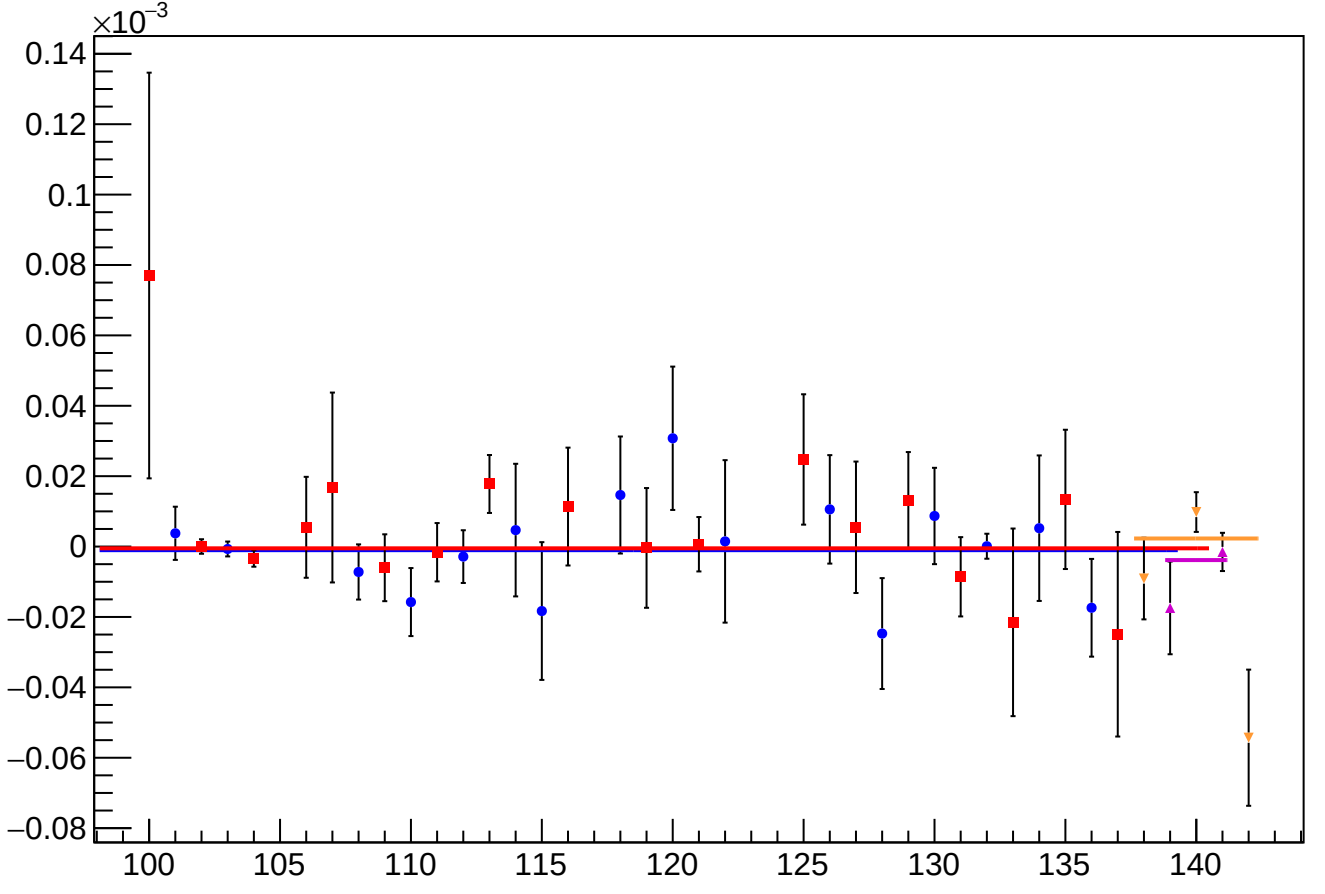
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 212.187+/-0.123 χ^2/NDF:274447.8/1

+ sign 125.194+/-0.033 χ^2/NDF: 3098427.6/18

All: 115.282+/-0.022 χ^2/NDF: 6981318.0/38

- sign 107.091+/-0.030 χ^2/NDF: 3715495.5/19



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/2

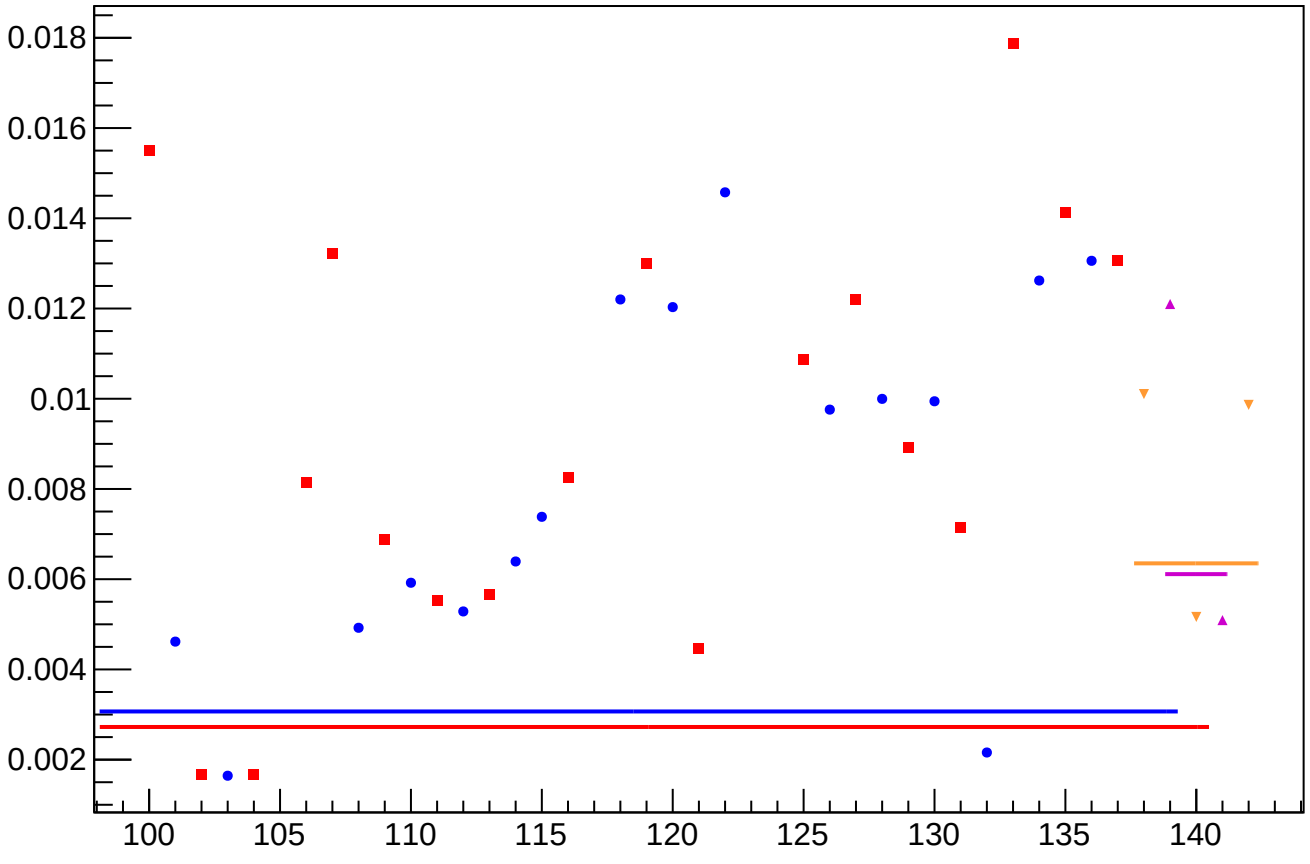
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 24.3/18

All: -0.000+/-0.000 χ^2/NDF: 41.0/38

- sign -0.000+/-0.000 χ^2/NDF: 16.7/19



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:363807.2/2

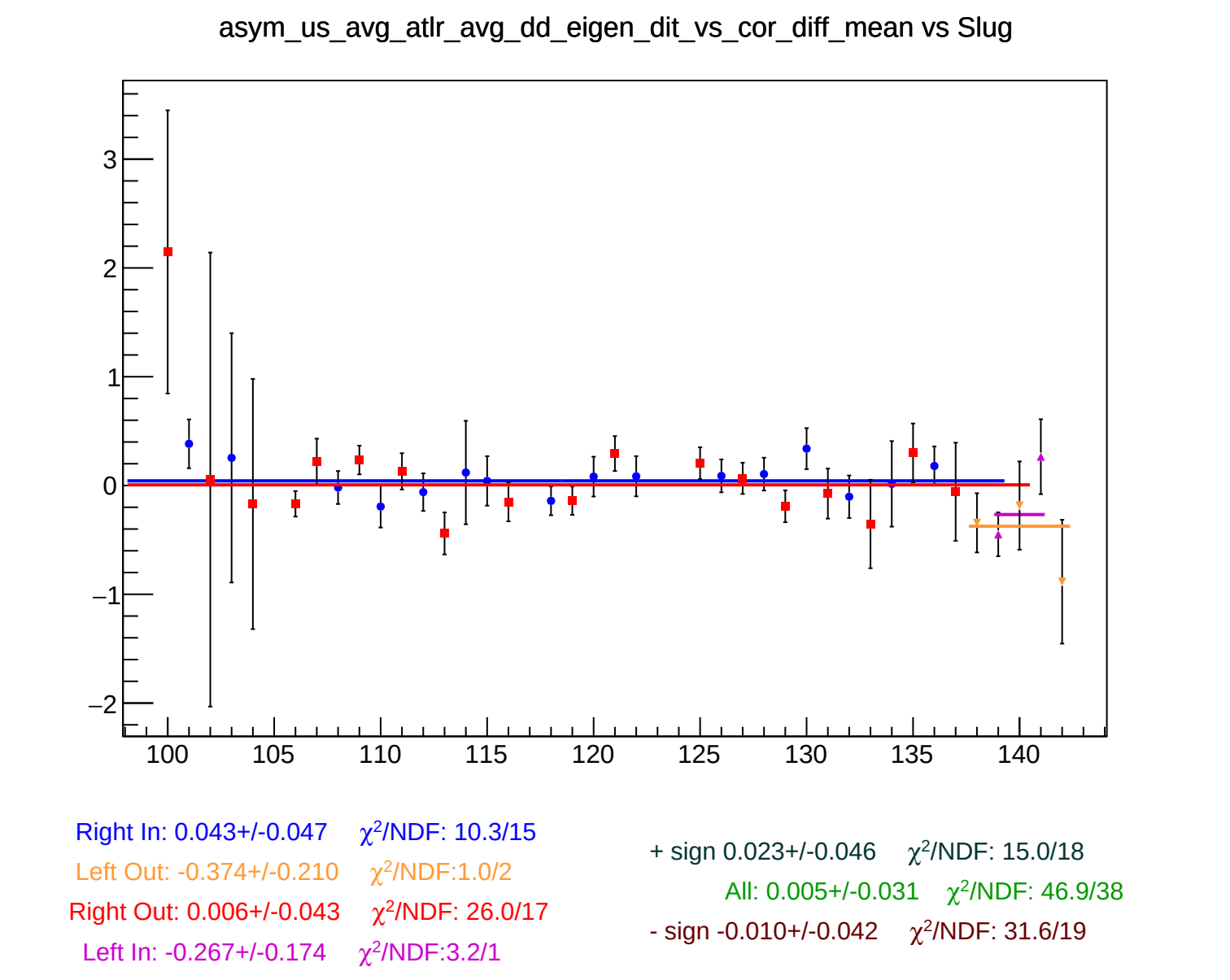
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

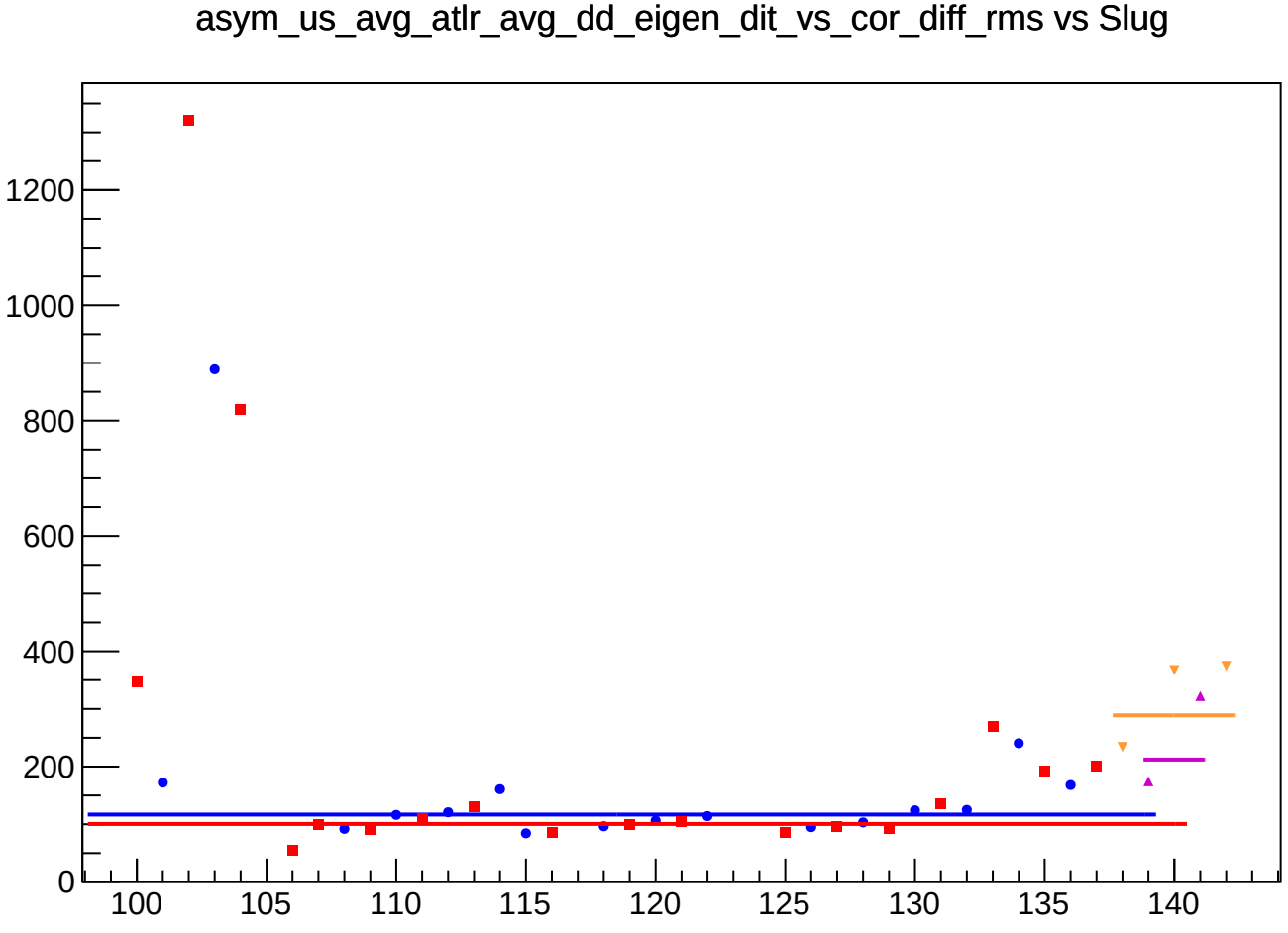
Left In: 0.006+/-0.000 χ^2/NDF:484002.8/1

+ sign 0.003+/-0.000 χ^2/NDF: 7138318.9/18

All: 0.003+/-0.000 χ^2/NDF: 15263559.3/38

- sign 0.003+/-0.000 χ^2/NDF: 8042973.6/19


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.374+/-0.210 χ²/NDF:1.0/2
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.267+/-0.174 χ²/NDF:3.2/1
+ sign 0.023+/-0.046 χ²/NDF: 15.0/18
All: 0.005+/-0.031 χ²/NDF: 46.9/38
- sign -0.010+/-0.042 χ²/NDF: 31.6/19



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.938+/-0.149 χ^2/NDF:201598.0/2

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

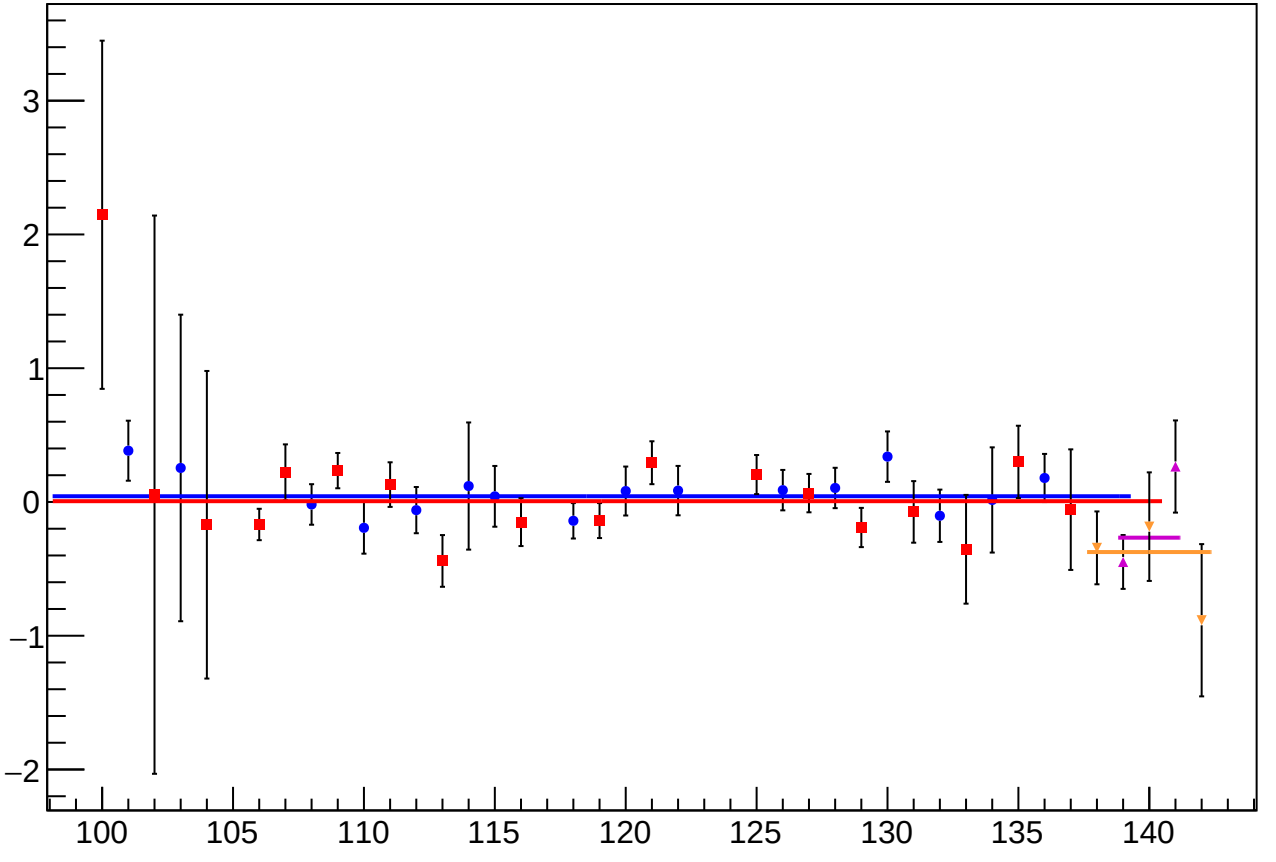
Left In: 212.192+/-0.123 χ^2/NDF:274430.1/1

+ sign 125.194+/-0.033 χ^2/NDF: 3098448.8/18

All: 115.282+/-0.022 χ^2/NDF: 6981468.8/38

- sign 107.090+/-0.030 χ^2/NDF: 3715608.7/19

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.374+/-0.210 χ^2/NDF:1.0/2

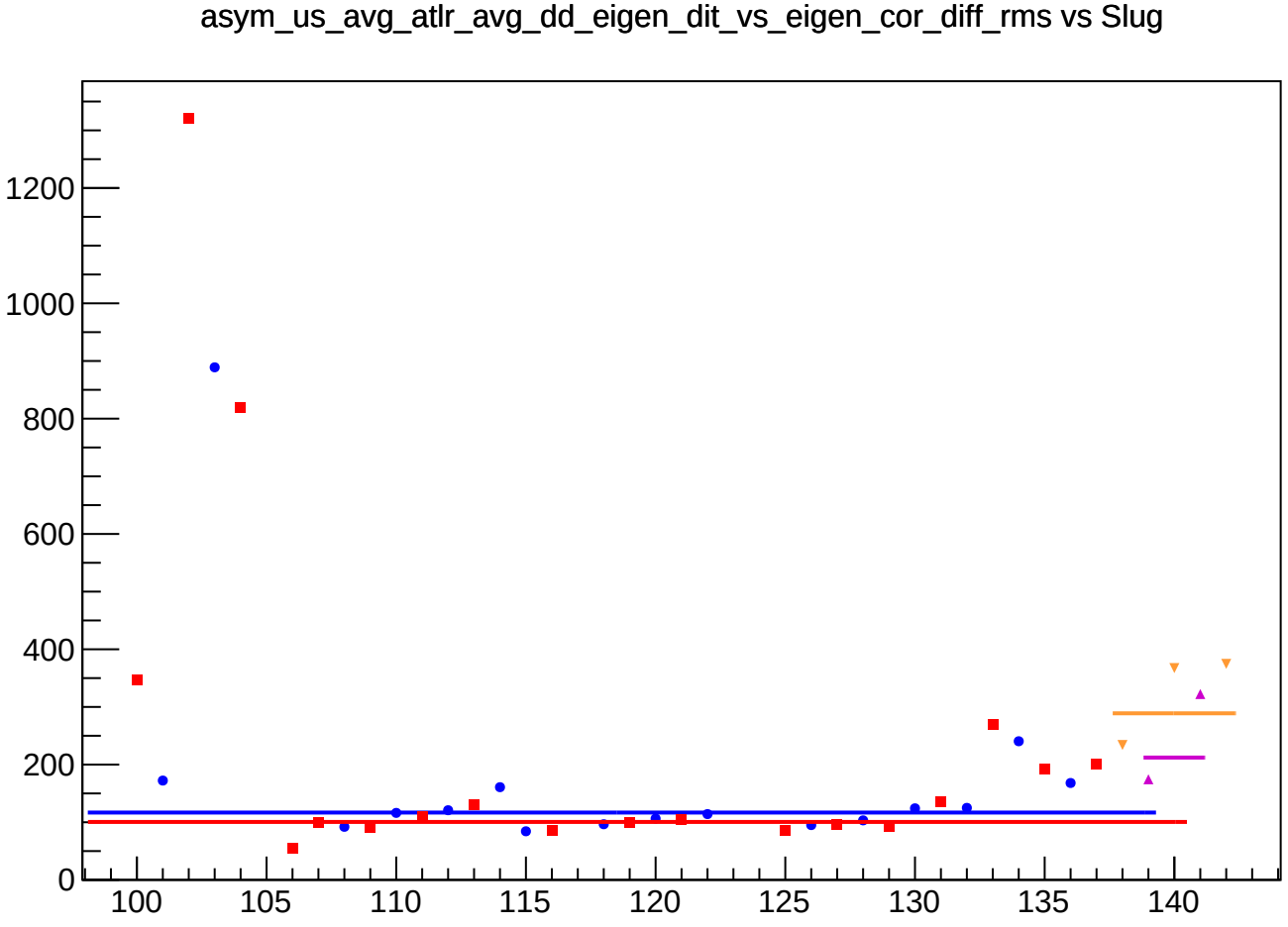
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.267+/-0.174 χ^2/NDF:3.2/1

+ sign 0.023+/-0.046 χ^2/NDF: 15.0/18

All: 0.005+/-0.031 χ^2/NDF: 46.9/38

- sign -0.010+/-0.042 χ^2/NDF: 31.6/19



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.938+/-0.149 χ^2/NDF:201598.0/2

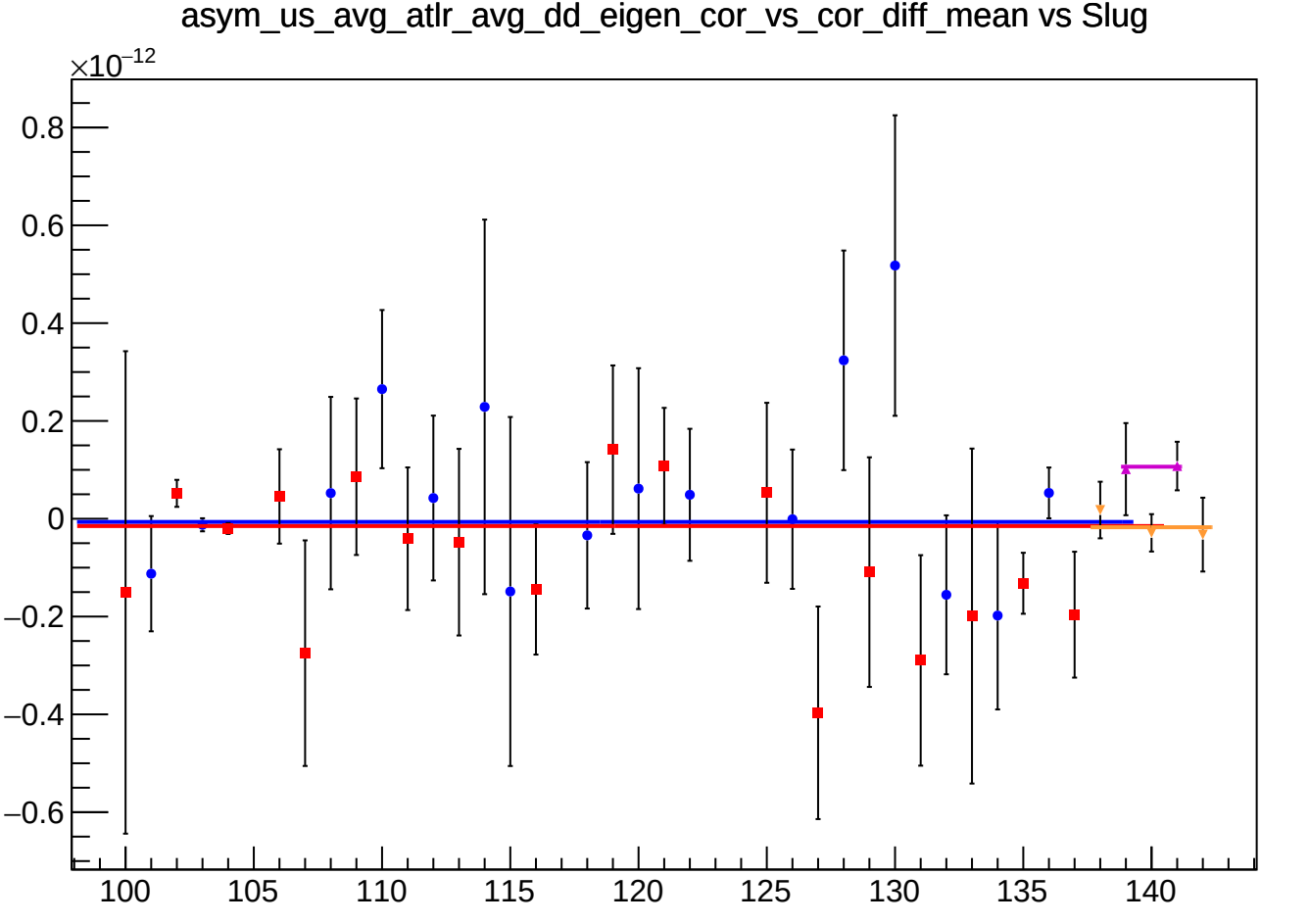
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

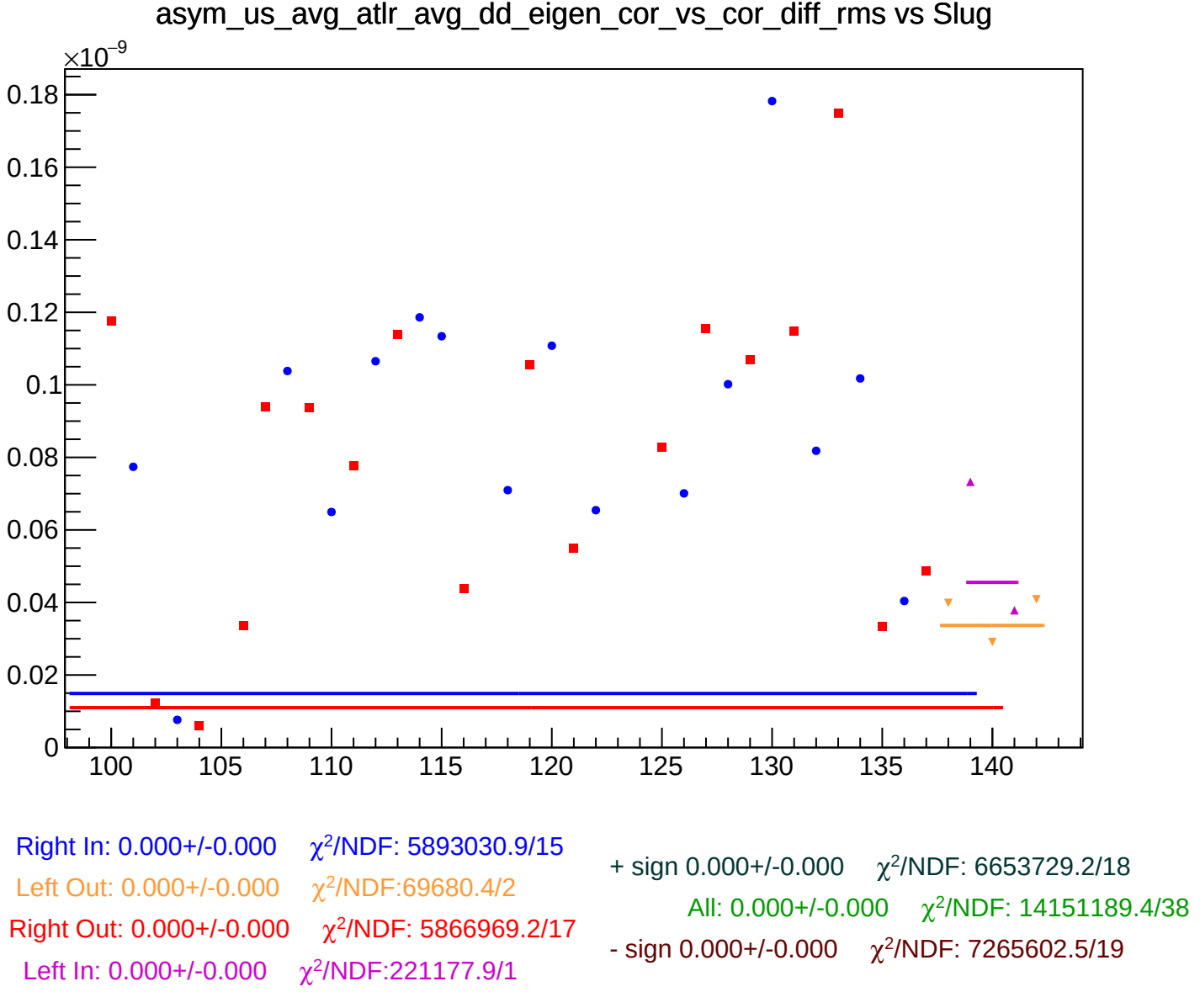
Left In: 212.192+/-0.123 χ^2/NDF:274430.1/1

+ sign 125.194+/-0.033 χ^2/NDF: 3098448.8/18

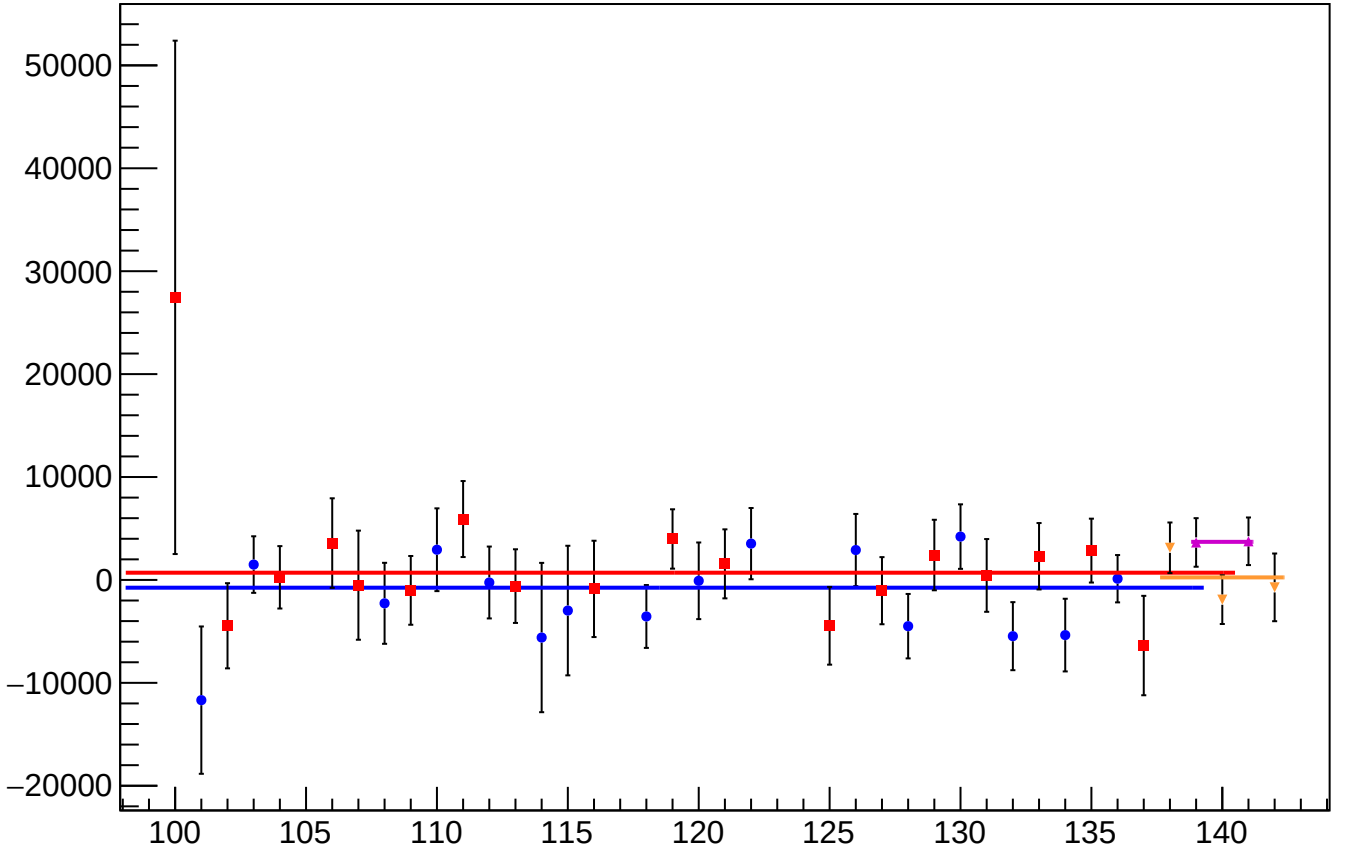
All: 115.282+/-0.022 χ^2/NDF: 6981468.8/38

- sign 107.090+/-0.030 χ^2/NDF: 3715608.7/19


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:0.5/2
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/1
+ sign -0.000+/-0.000 χ²/NDF: 13.6/18
All: -0.000+/-0.000 χ²/NDF: 42.8/38
- sign -0.000+/-0.000 χ²/NDF: 29.2/19


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:69680.4/2
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:221177.9/1
+ sign 0.000+/-0.000 χ²/NDF: 6653729.2/18
All: 0.000+/-0.000 χ²/NDF: 14151189.4/38
- sign 0.000+/-0.000 χ²/NDF: 7265602.5/19

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: 245.668+/-1513.687 χ^2/NDF:2.3/2

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

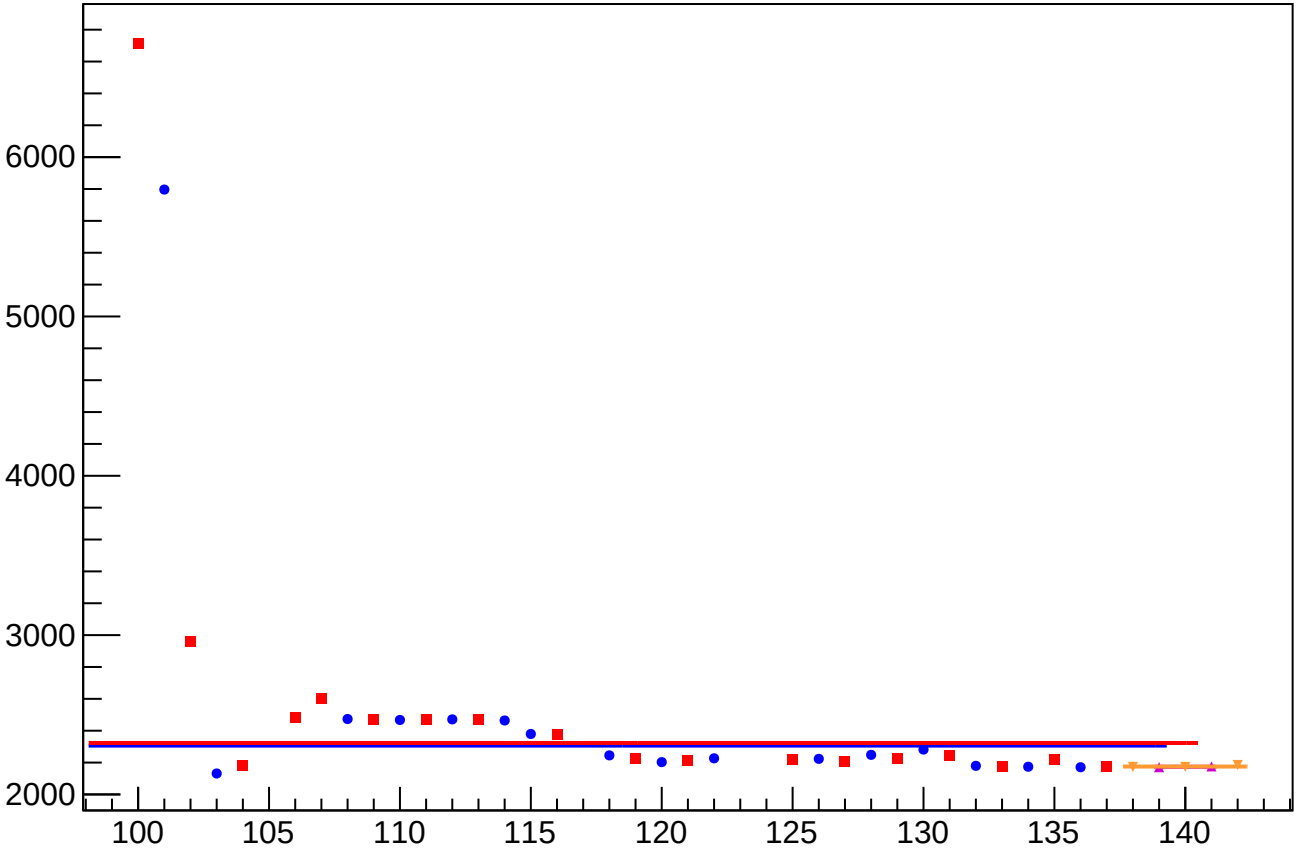
Left In: 3700.254+/-1651.617 χ^2/NDF:0.0/1

+ sign -504.849+/-756.015 χ^2/NDF: 18.5/18

All: 407.909+/-539.047 χ^2/NDF: 36.4/38

- sign 1351.802+/-768.801 χ^2/NDF: 14.9/19

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2175.172+/-1.070 χ^2/NDF:21.7/2

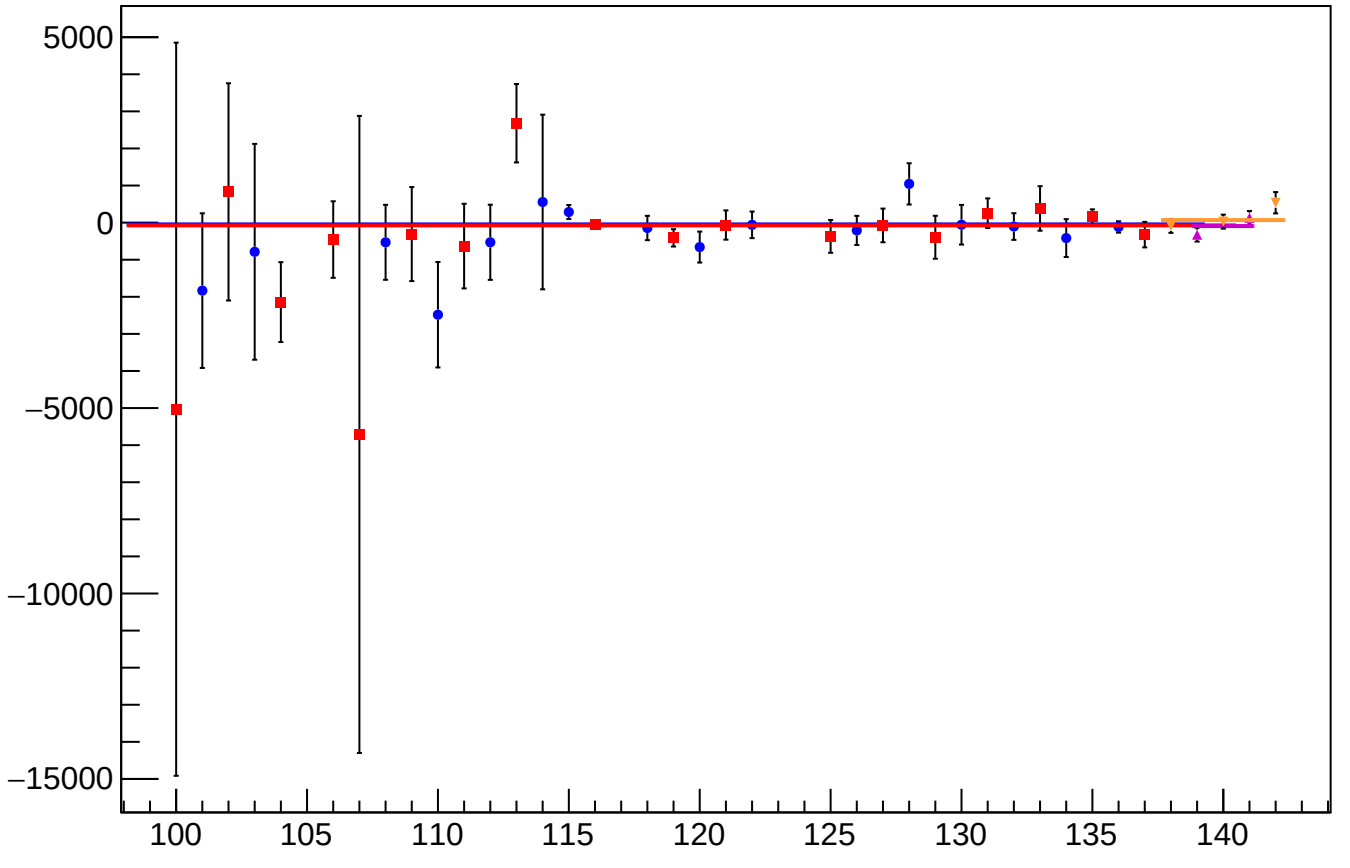
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2173.501+/-1.168 χ^2/NDF:4.5/1

+ sign 2273.847+/-0.535 χ^2/NDF: 525495.9/18

All: 2282.091+/-0.381 χ^2/NDF: 690609.0/38

- sign 2290.615+/-0.544 χ^2/NDF: 164629.4/19



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: 68.908+/-120.729 χ^2/NDF:3.4/2

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

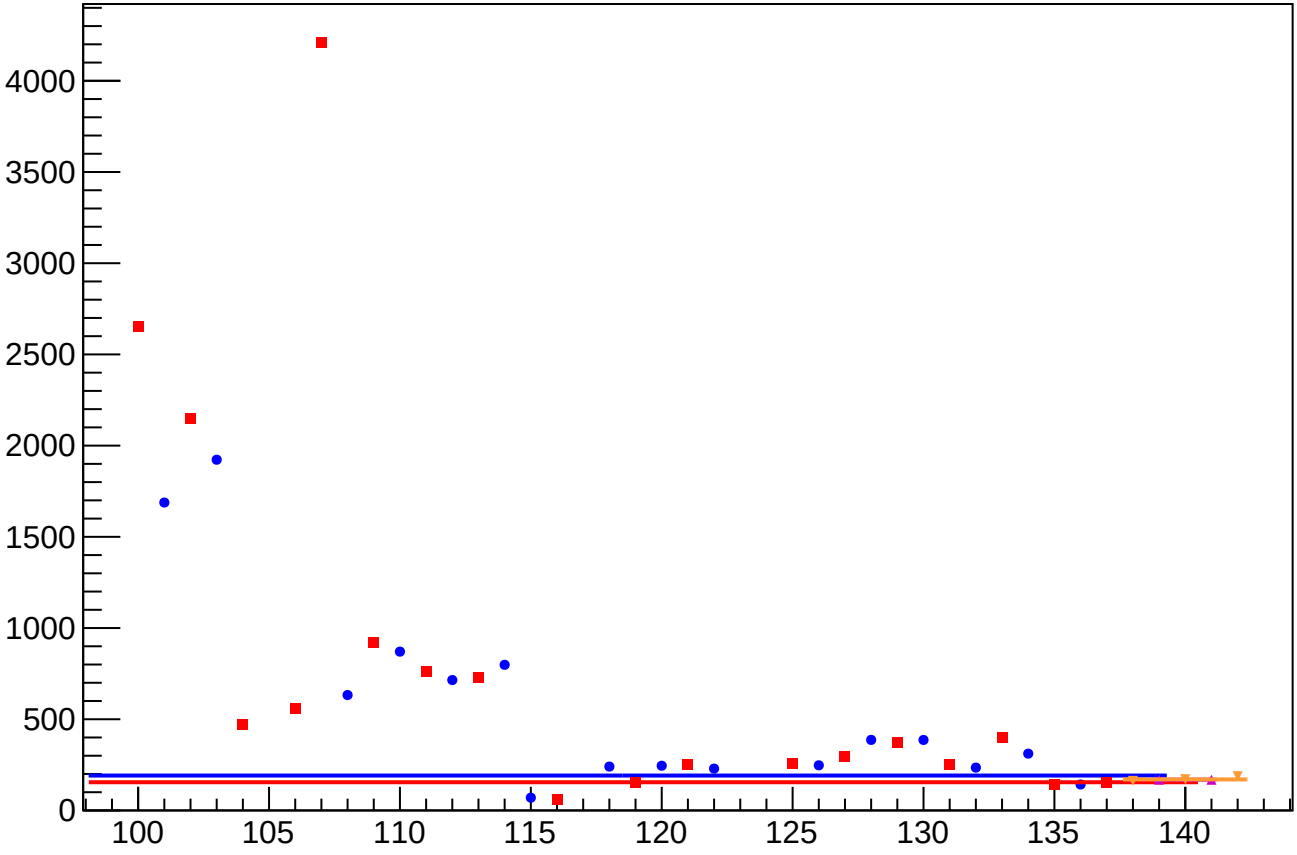
Left In: -92.577+/-130.637 χ^2/NDF:3.0/1

+ sign -5.648+/-72.625 χ^2/NDF: 18.4/18

All: -44.062+/-50.282 χ^2/NDF: 39.6/38

- sign -79.429+/-69.684 χ^2/NDF: 20.7/19

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 170.141+/-0.085 χ^2/NDF:11016.0/2

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

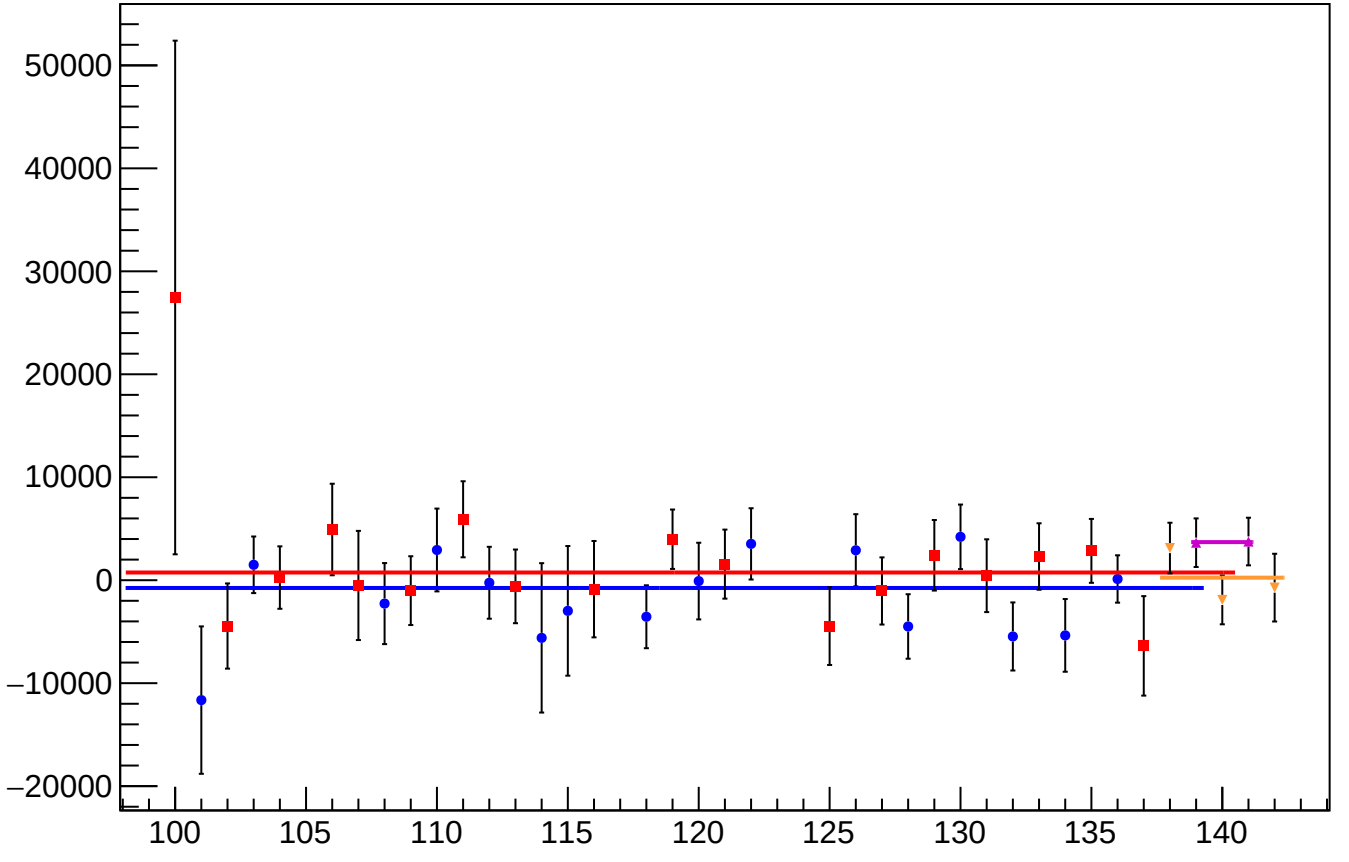
Left In: 168.694+/-0.092 χ^2/NDF:3.2/1

+ sign 183.695+/-0.051 χ^2/NDF: 5115263.7/18

All: 170.663+/-0.036 χ^2/NDF: 11409712.4/38

- sign 158.665+/-0.049 χ^2/NDF: 6170764.8/19

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 245.756+/-1513.687 χ^2/NDF:2.3/2

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

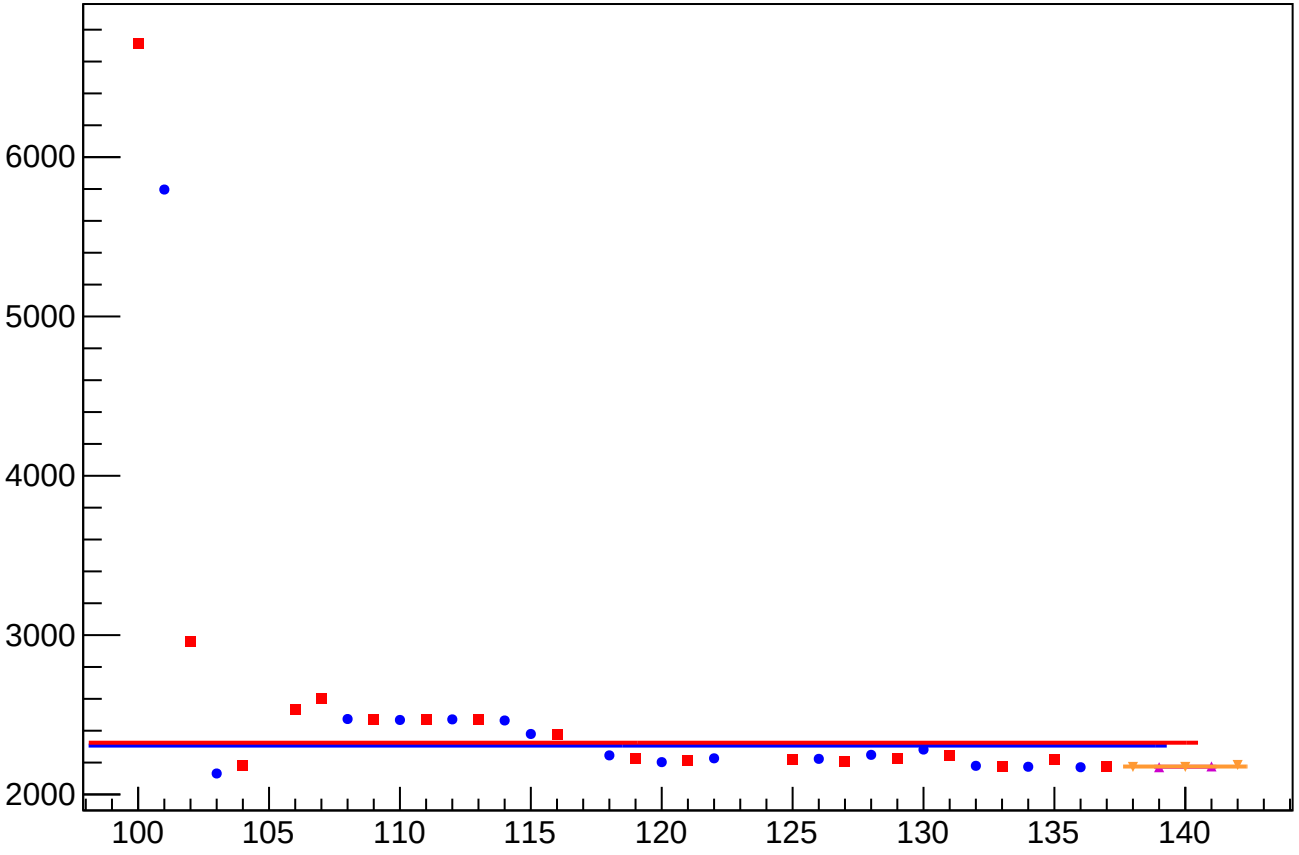
Left In: 3700.313+/-1651.617 χ^2/NDF:0.0/1

+ sign -504.099+/-756.015 χ^2/NDF: 18.5/18

All: 426.236+/-539.219 χ^2/NDF: 36.9/38

- sign 1389.554+/-769.300 χ^2/NDF: 15.3/19

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2175.172+/-1.070 χ^2/NDF:21.7/2

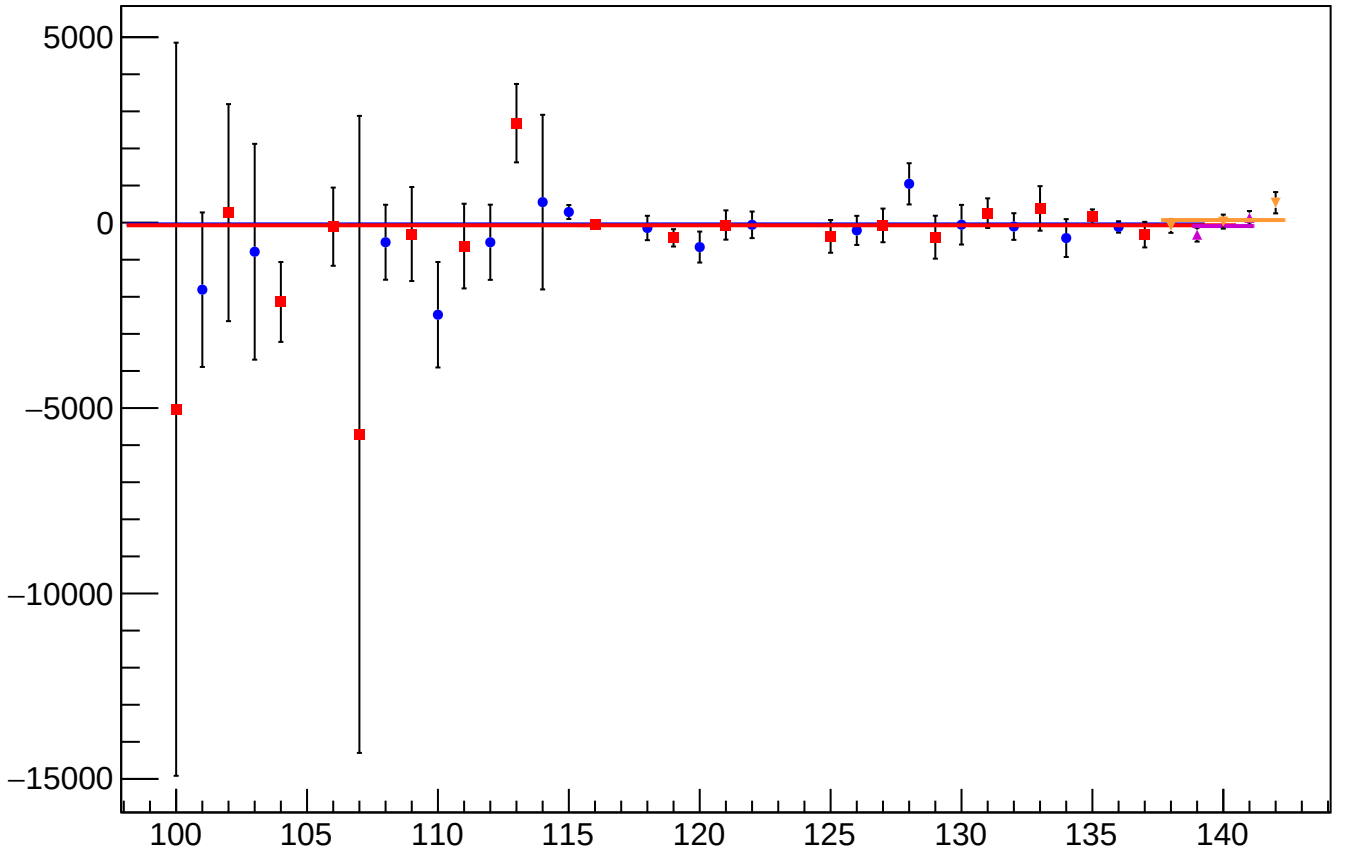
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2173.501+/-1.168 χ^2/NDF:4.5/1

+ sign 2273.848+/-0.535 χ^2/NDF: 525496.2/18

All: 2282.709+/-0.381 χ^2/NDF: 692760.8/38

- sign 2291.885+/-0.544 χ^2/NDF: 166705.3/19



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: 69.051+/-120.728 χ^2/NDF:3.4/2

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

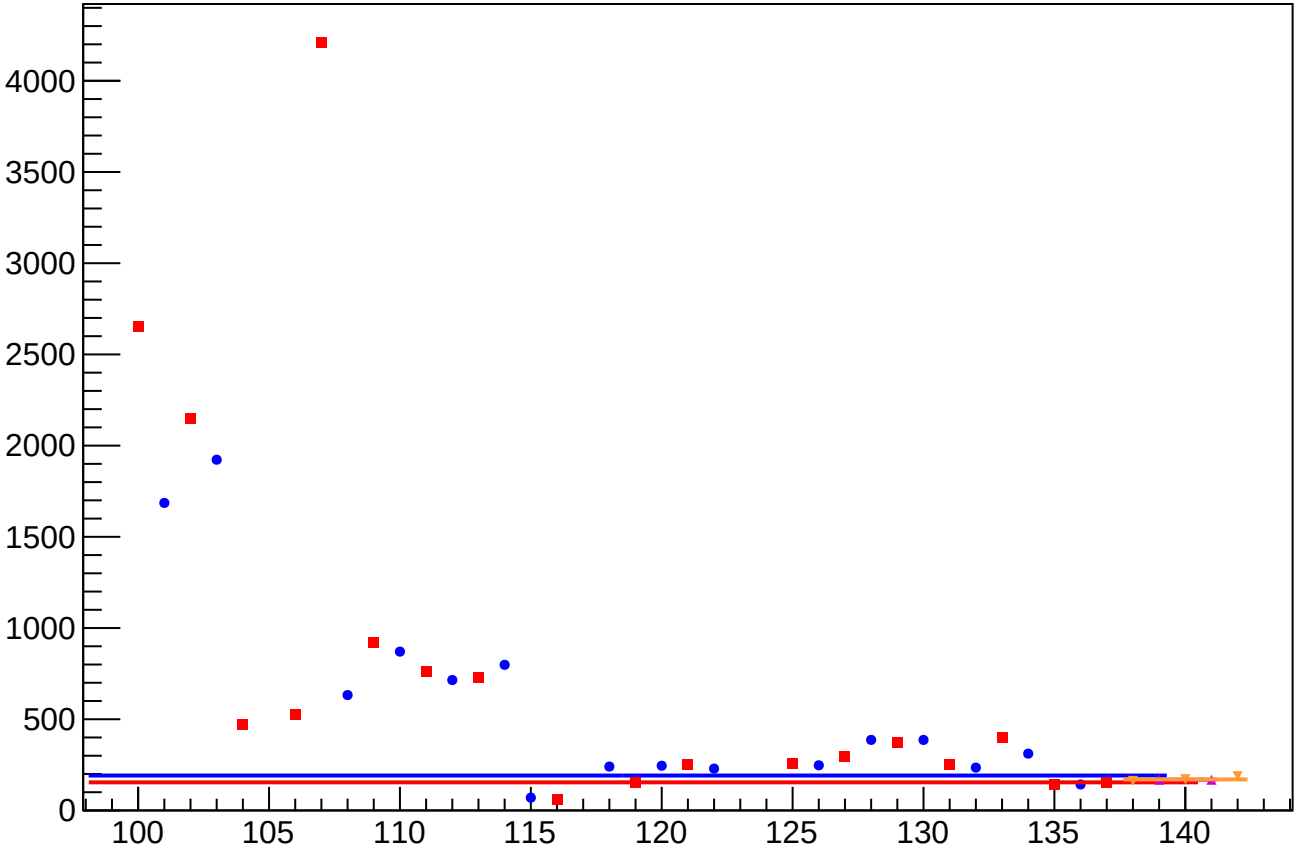
Left In: -92.876+/-130.642 χ^2/NDF:3.0/1

+ sign -5.614+/-72.628 χ^2/NDF: 18.4/18

All: -43.361+/-50.269 χ^2/NDF: 39.4/38

- sign -78.075+/-69.648 χ^2/NDF: 20.5/19

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: 170.141+/-0.085 χ^2/NDF:11055.9/2

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

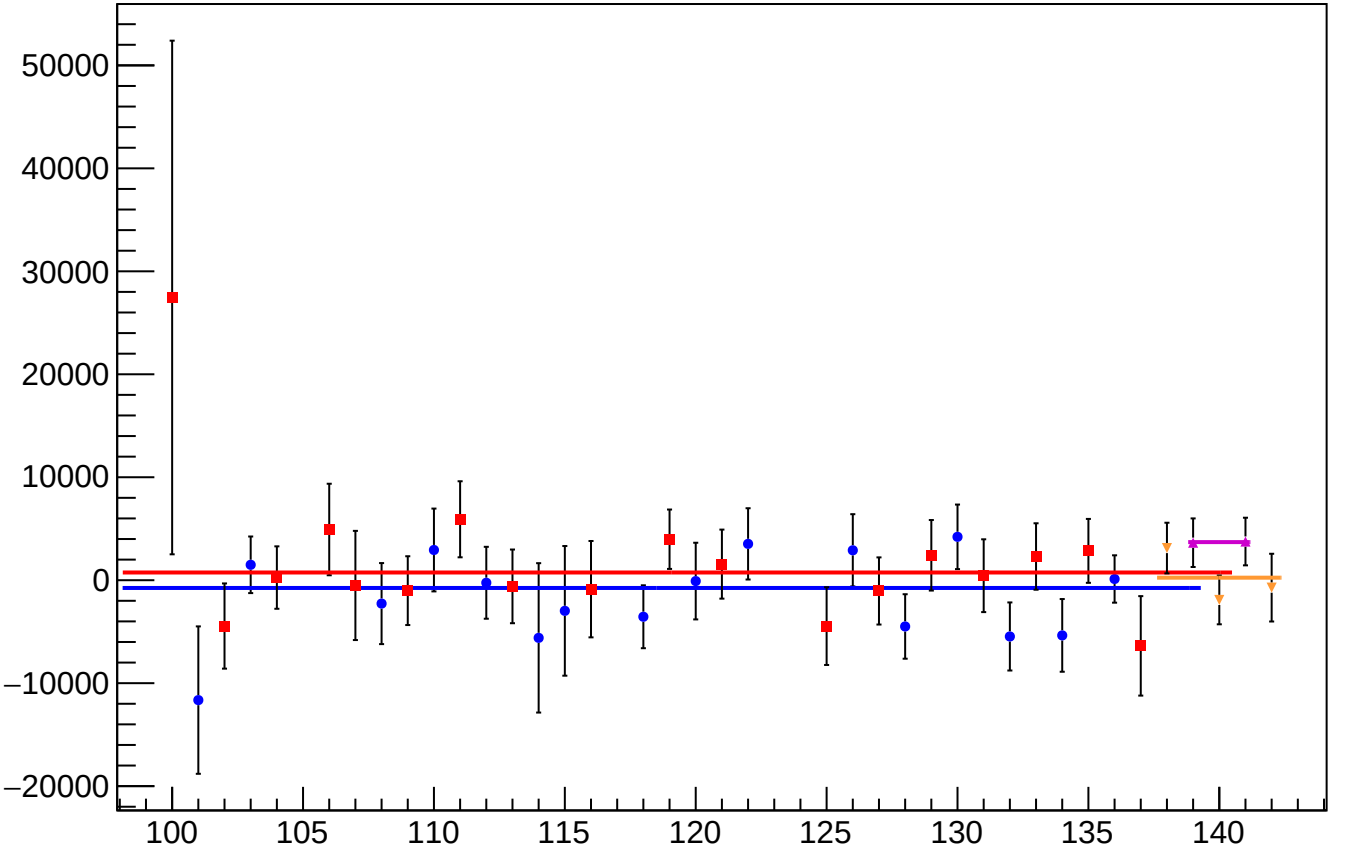
Left In: 168.698+/-0.092 χ^2/NDF:3.4/1

+ sign 183.710+/-0.051 χ^2/NDF: 5114249.7/18

All: 170.454+/-0.036 χ^2/NDF: 11368629.0/38

- sign 158.264+/-0.049 χ^2/NDF: 6126492.4/19

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: 245.756+/-1513.687 χ^2/NDF:2.3/2

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

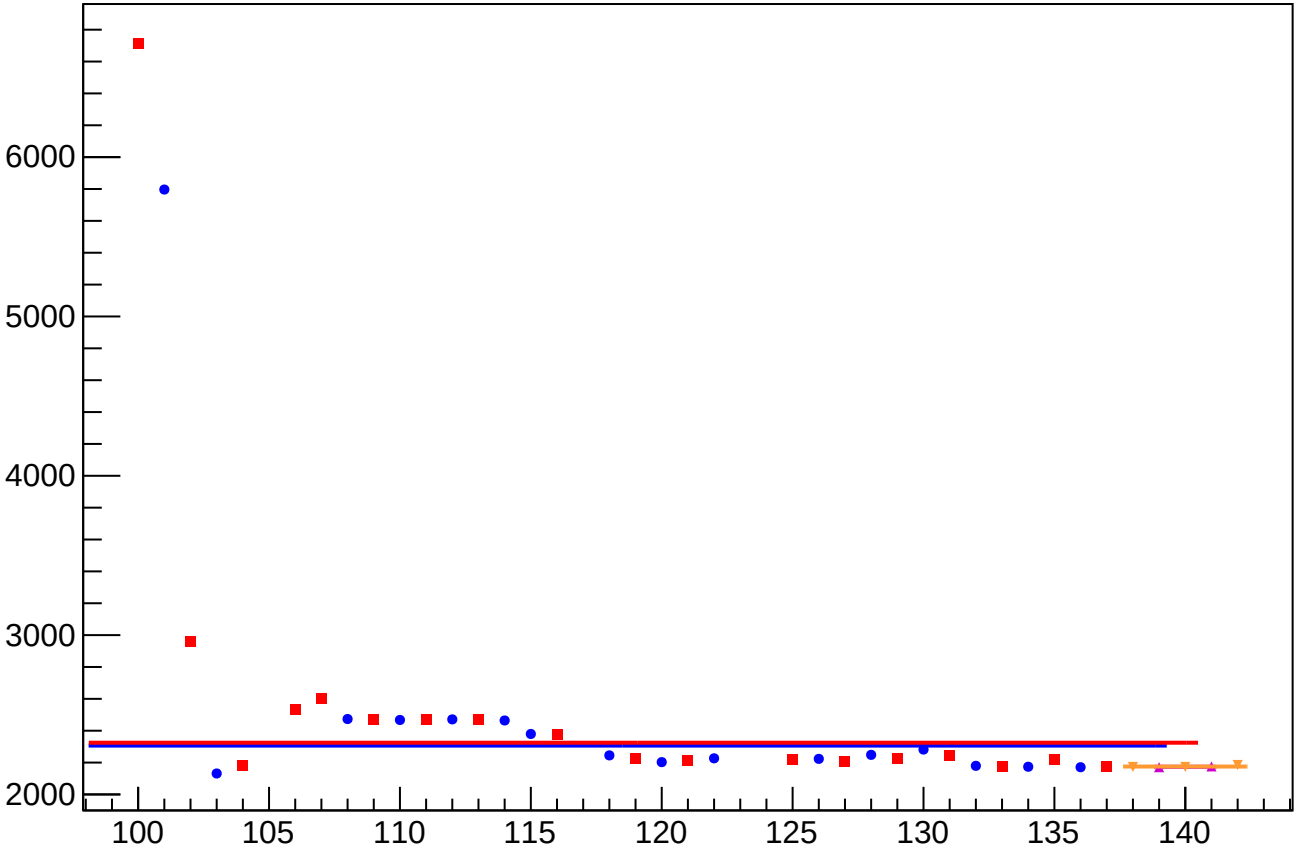
Left In: 3700.313+/-1651.617 χ^2/NDF:0.0/1

+ sign -504.099+/-756.015 χ^2/NDF: 18.5/18

All: 426.236+/-539.219 χ^2/NDF: 36.9/38

- sign 1389.554+/-769.300 χ^2/NDF: 15.3/19

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: 2175.172+/-1.070 χ^2/NDF:21.7/2

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

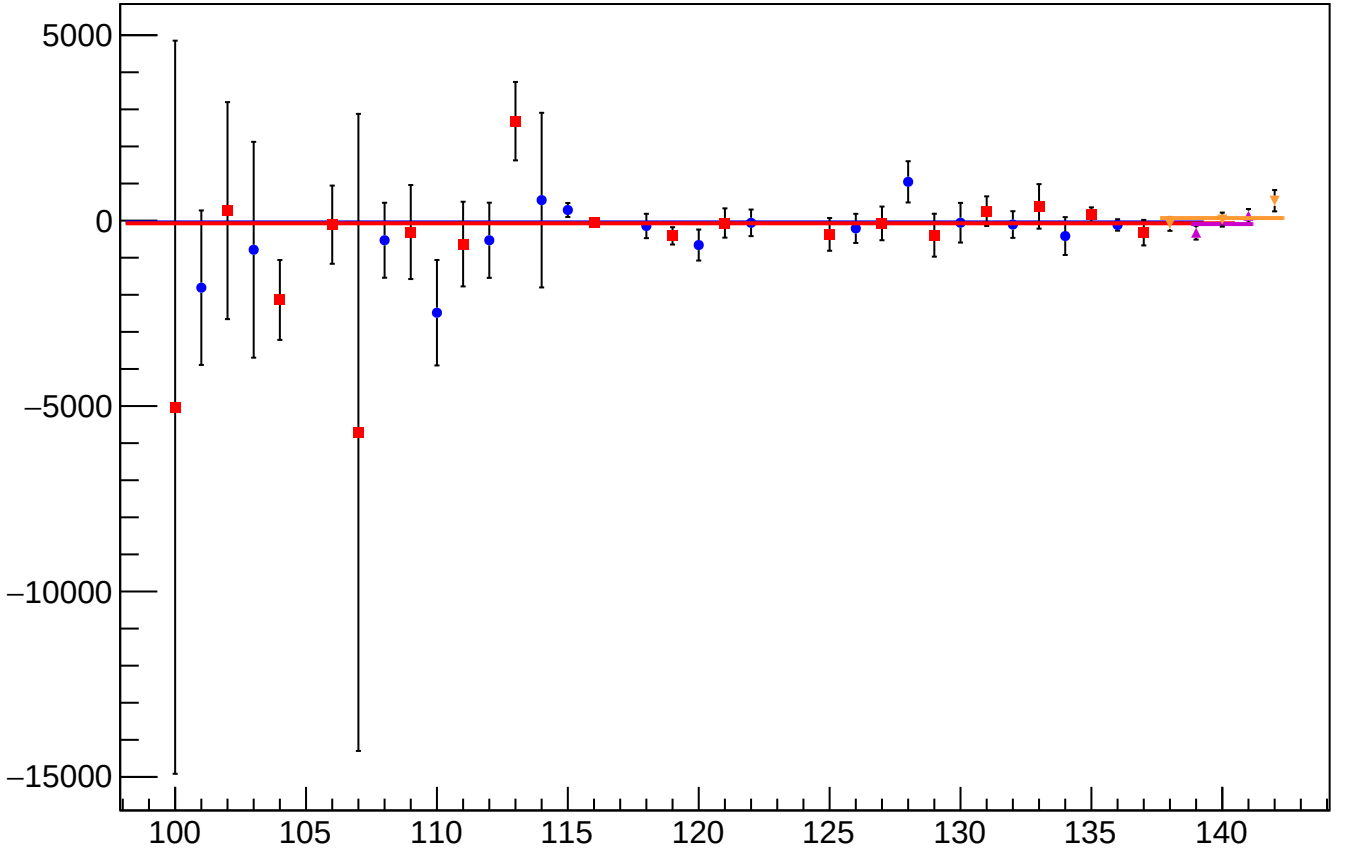
Left In: 2173.501+/-1.168 χ^2/NDF:4.5/1

+ sign 2273.848+/-0.535 χ^2/NDF: 525496.2/18

All: 2282.709+/-0.381 χ^2/NDF: 692760.8/38

- sign 2291.885+/-0.544 χ^2/NDF: 166705.3/19

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: 69.051+/-120.728 χ^2/NDF:3.4/2

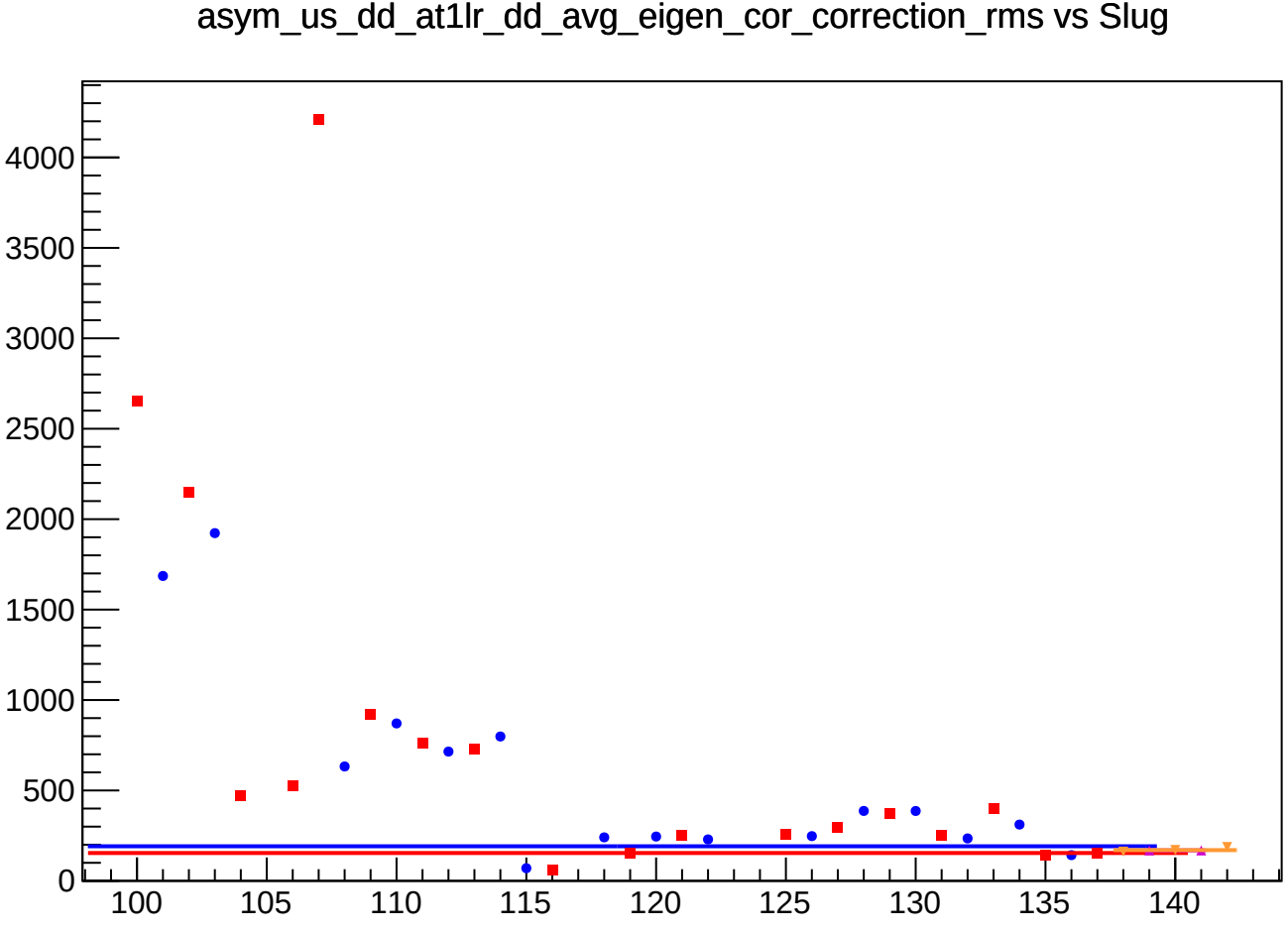
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -92.876+/-130.642 χ^2/NDF:3.0/1

+ sign -5.614+/-72.628 χ^2/NDF: 18.4/18

All: -43.361+/-50.269 χ^2/NDF: 39.4/38

- sign -78.075+/-69.648 χ^2/NDF: 20.5/19



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 170.141+/-0.085 χ^2/NDF:11055.9/2

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

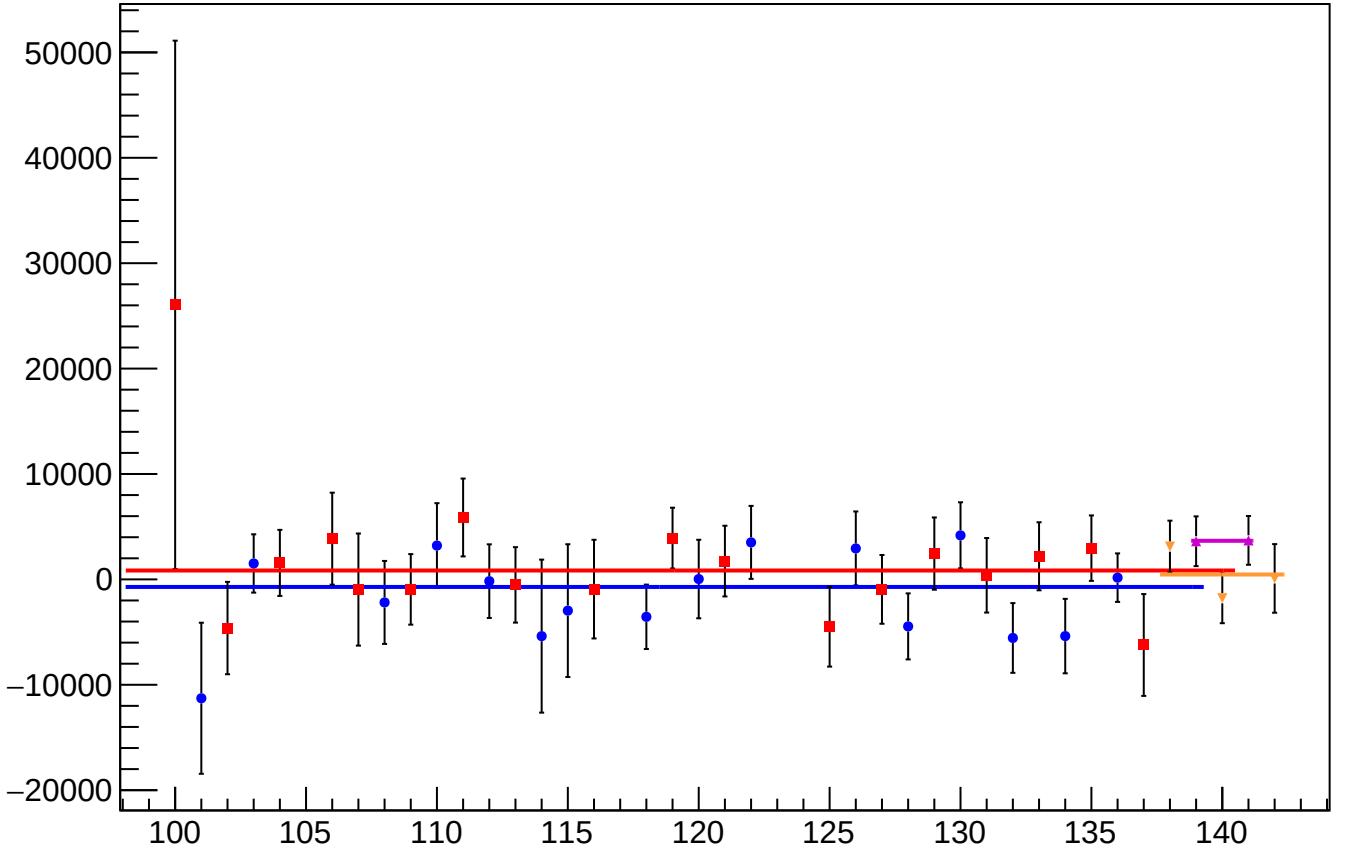
Left In: 168.698+/-0.092 χ^2/NDF:3.4/1

+ sign 183.710+/-0.051 χ^2/NDF: 5114249.7/18

All: 170.454+/-0.036 χ^2/NDF: 11368629.0/38

- sign 158.264+/-0.049 χ^2/NDF: 6126492.4/19

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: 463.540+/-1510.771 χ^2/NDF:2.1/2

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

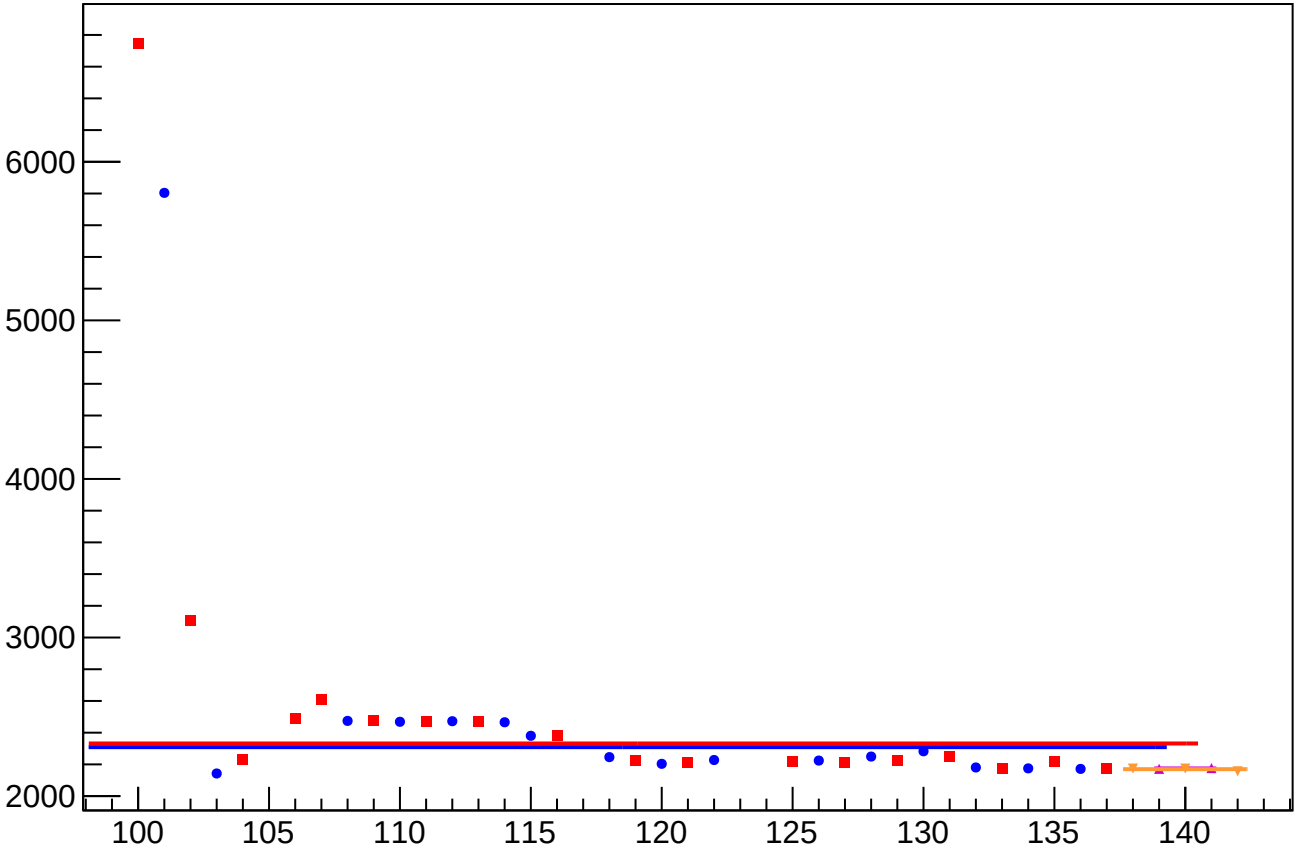
Left In: 3661.141+/-1652.219 χ^2/NDF:0.0/1

+ sign -421.310+/-756.226 χ^2/NDF: 18.4/18

All: 498.634+/-540.319 χ^2/NDF: 35.8/38

- sign 1458.054+/-772.281 χ^2/NDF: 14.4/19

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2169.756+/-1.068 χ^2/NDF:43.5/2

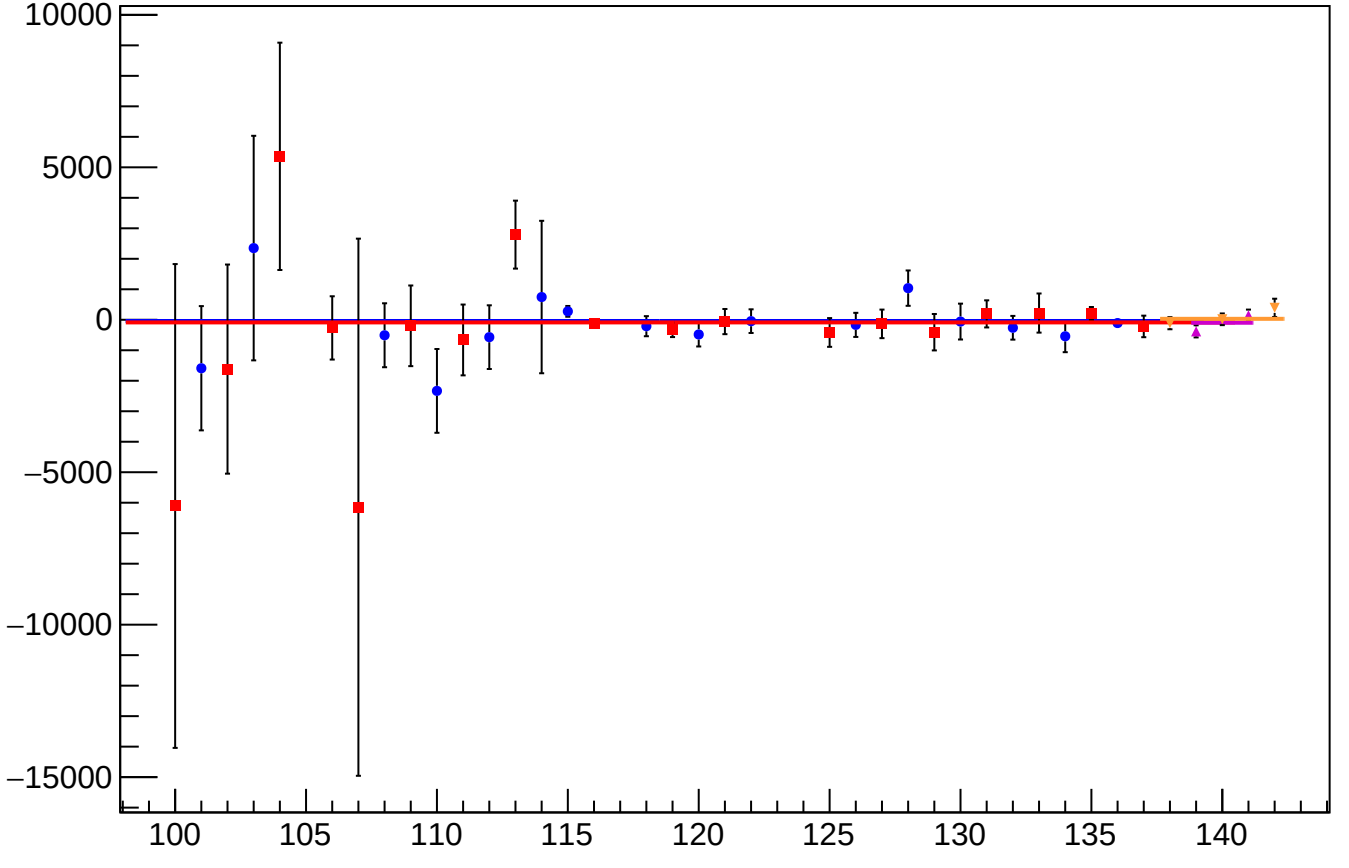
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2174.293+/-1.168 χ^2/NDF:3.9/1

+ sign 2273.916+/-0.535 χ^2/NDF: 526470.9/18

All: 2285.424+/-0.382 χ^2/NDF: 708956.3/38

- sign 2297.426+/-0.546 χ^2/NDF: 181539.2/19



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: 30.960+/-125.347 χ^2/NDF:2.0/2

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

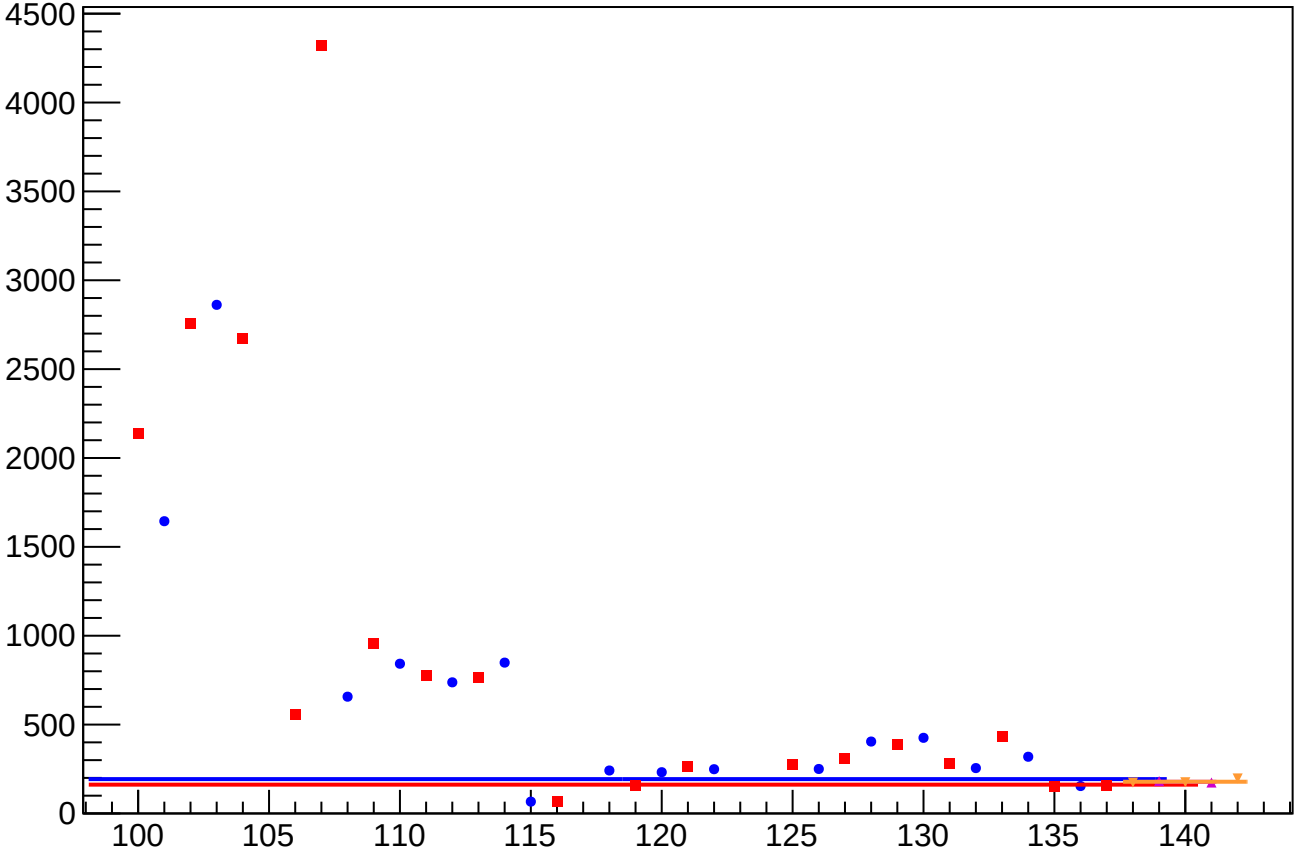
Left In: -97.450+/-135.776 χ^2/NDF:3.8/1

+ sign -15.091+/-74.381 χ^2/NDF: 16.2/18

All: -53.170+/-51.993 χ^2/NDF: 35.5/38

- sign -89.553+/-72.705 χ^2/NDF: 18.7/19

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 178.449+/-0.089 χ^2/NDF:9275.6/2

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

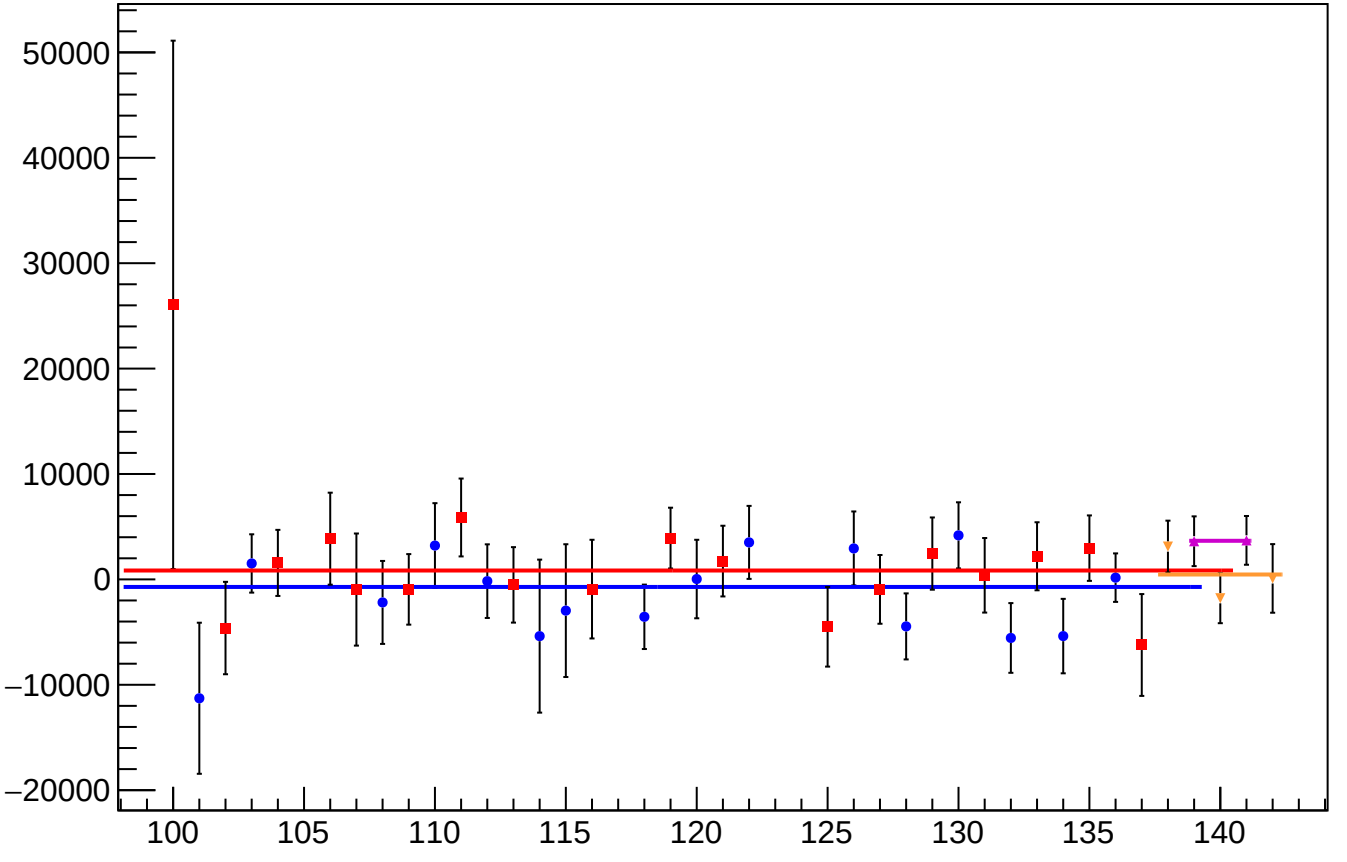
Left In: 177.899+/-0.096 χ^2/NDF:1779.4/1

+ sign 188.042+/-0.053 χ^2/NDF: 5645202.7/18

All: 177.097+/-0.037 χ^2/NDF: 12821424.2/38

- sign 166.640+/-0.051 χ^2/NDF: 7091548.3/19

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: 463.540+/-1510.771 χ^2/NDF:2.1/2

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

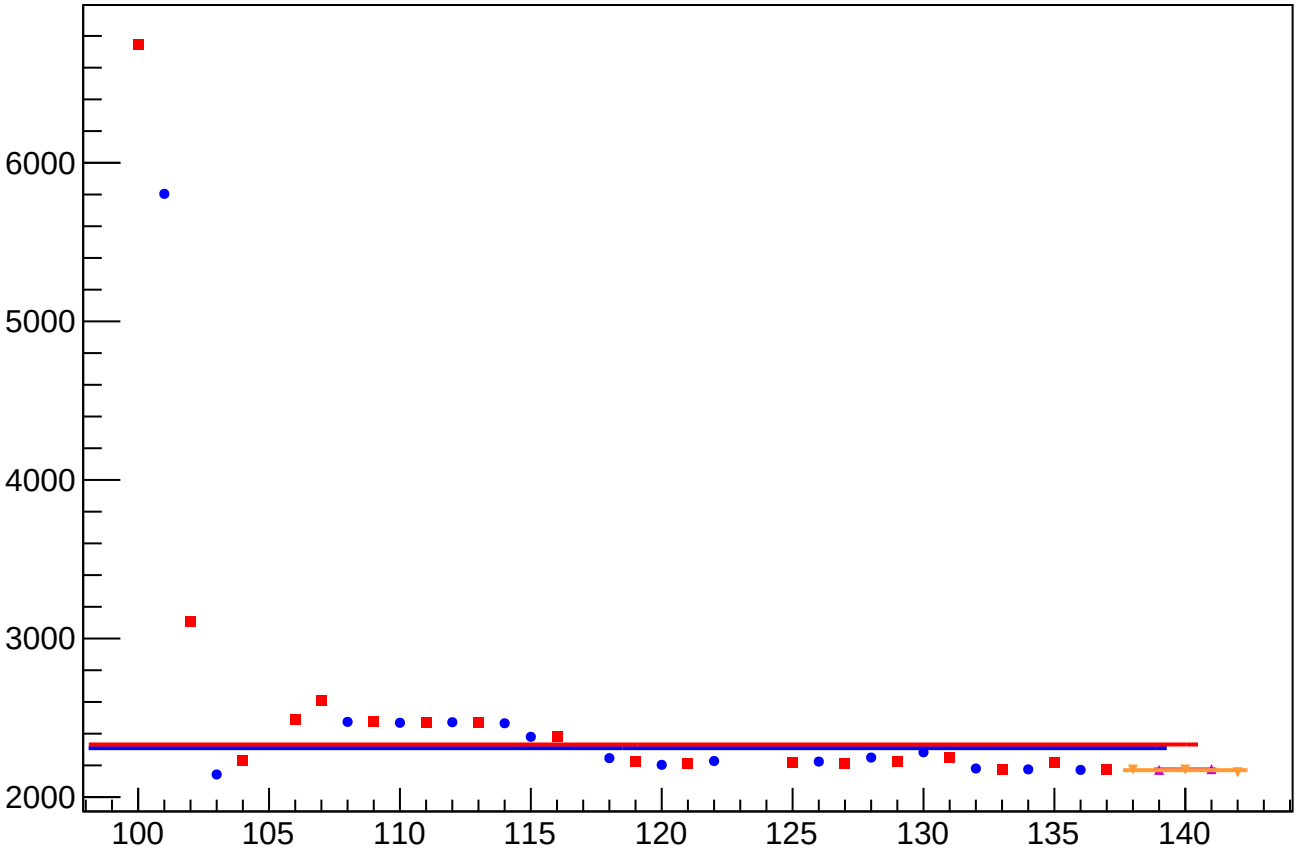
Left In: 3661.136+/-1652.219 χ^2/NDF:0.0/1

+ sign -421.311+/-756.226 χ^2/NDF: 18.4/18

All: 498.634+/-540.319 χ^2/NDF: 35.8/38

- sign 1458.054+/-772.281 χ^2/NDF: 14.4/19

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: 2169.756+/-1.068 χ^2/NDF:43.5/2

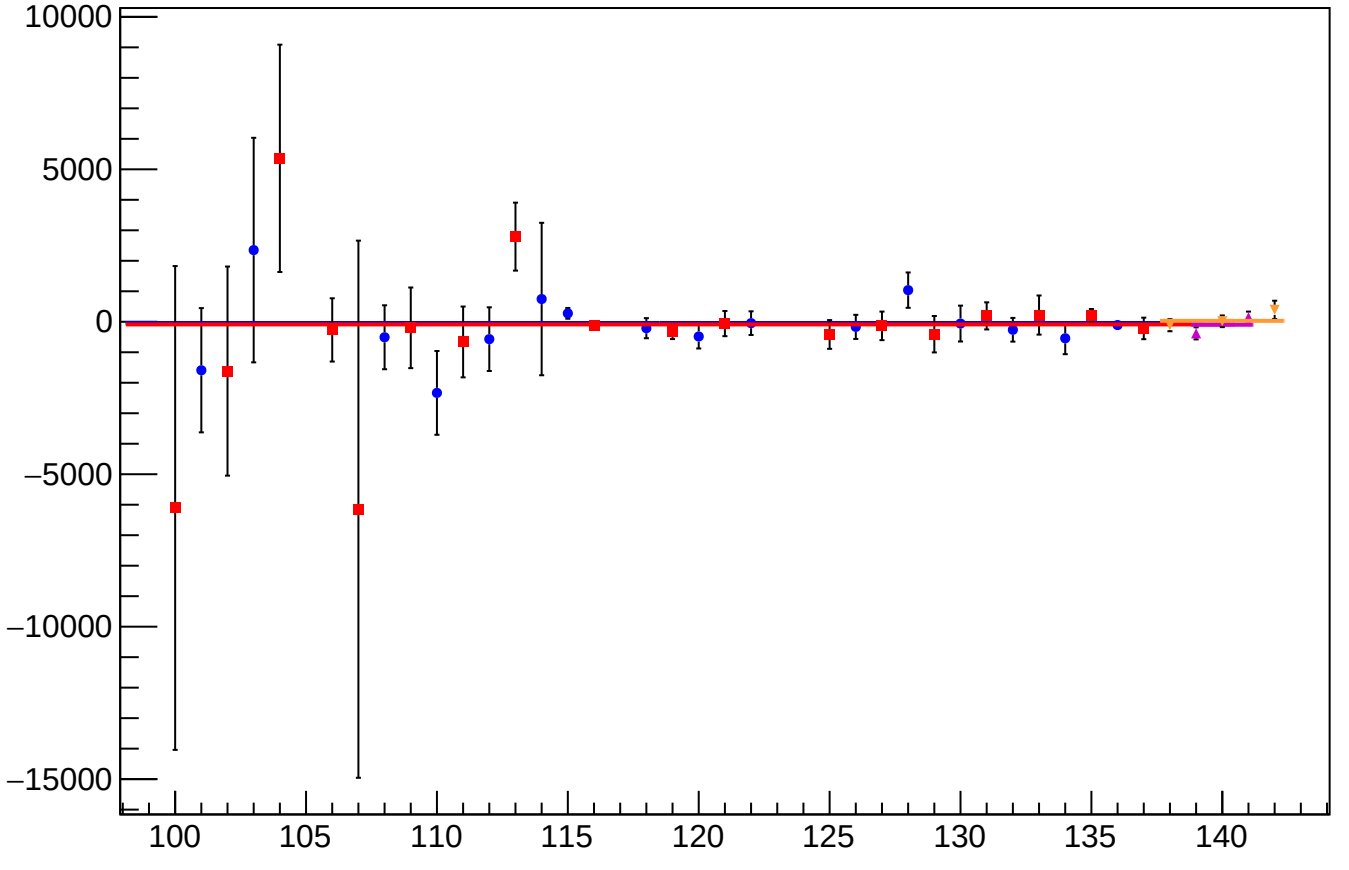
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2174.293+/-1.168 χ^2/NDF:3.9/1

+ sign 2273.916+/-0.535 χ^2/NDF: 526470.9/18

All: 2285.424+/-0.382 χ^2/NDF: 708956.2/38

- sign 2297.426+/-0.546 χ^2/NDF: 181539.1/19



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: 30.963+/-125.348 χ^2/NDF:2.0/2

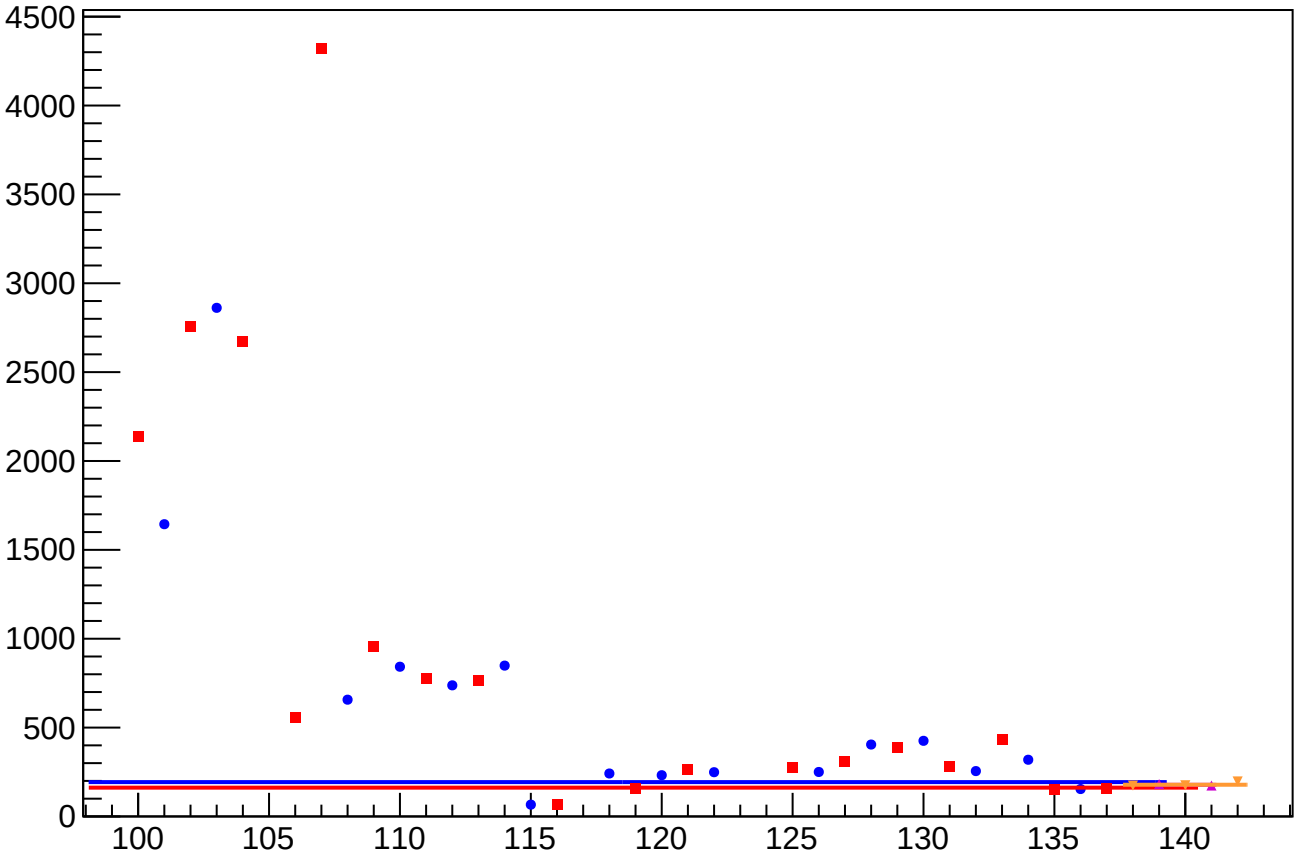
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -97.446+/-135.777 χ^2/NDF:3.8/1

\+ sign -15.088+/-74.381 χ^2/NDF: 16.2/18

All: -53.169+/-51.992 χ^2/NDF: 35.5/38

\- sign -89.553+/-72.705 χ^2/NDF: 18.7/19



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 178.450+/-0.089 χ^2/NDF:9272.8/2

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

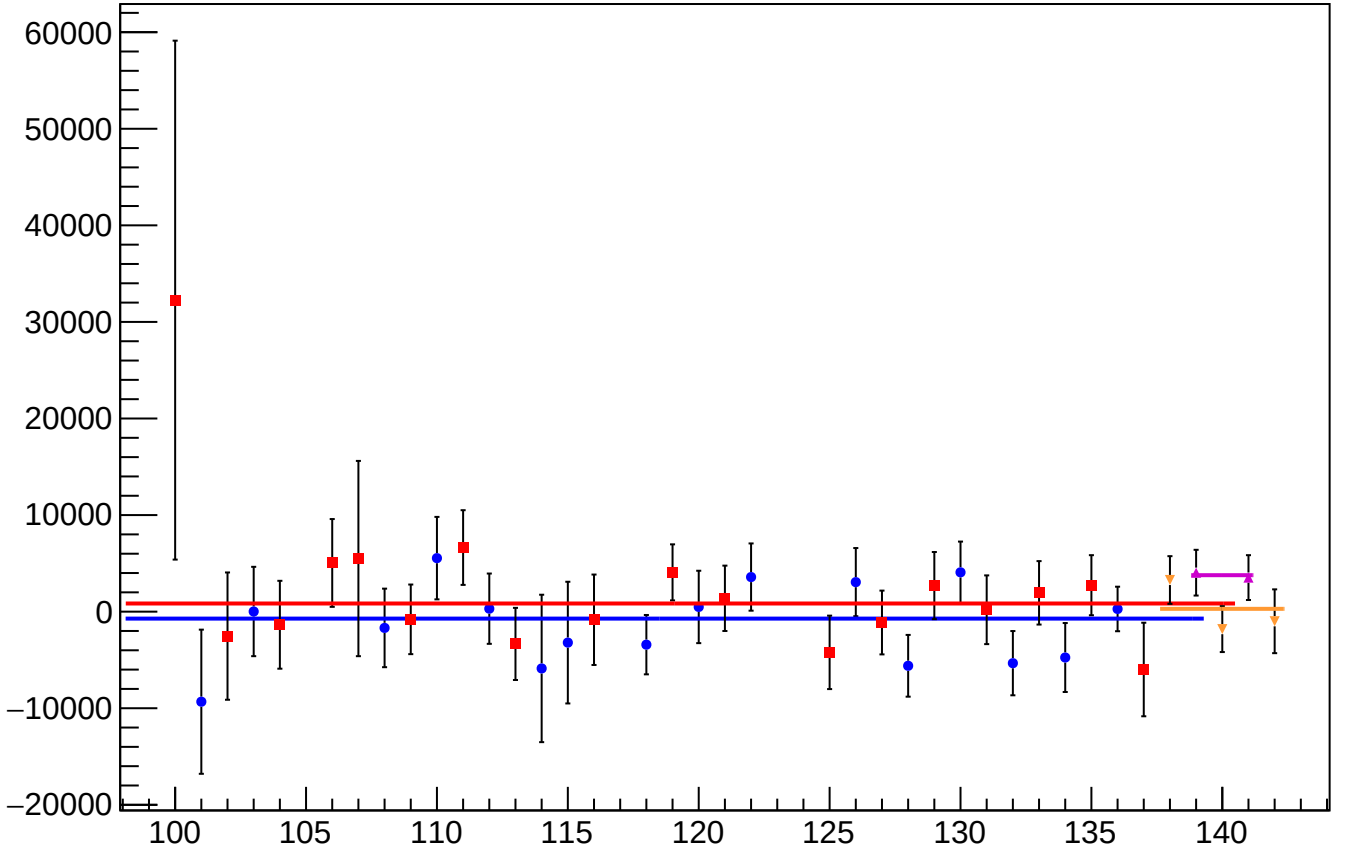
Left In: 177.900+/-0.096 χ^2/NDF:1781.2/1

+ sign 188.041+/-0.053 χ^2/NDF: 5645228.1/18

All: 177.096+/-0.037 χ^2/NDF: 12821523.1/38

- sign 166.639+/-0.051 χ^2/NDF: 7091617.3/19

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: 291.362+/-1519.229 χ^2/NDF:2.4/2

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

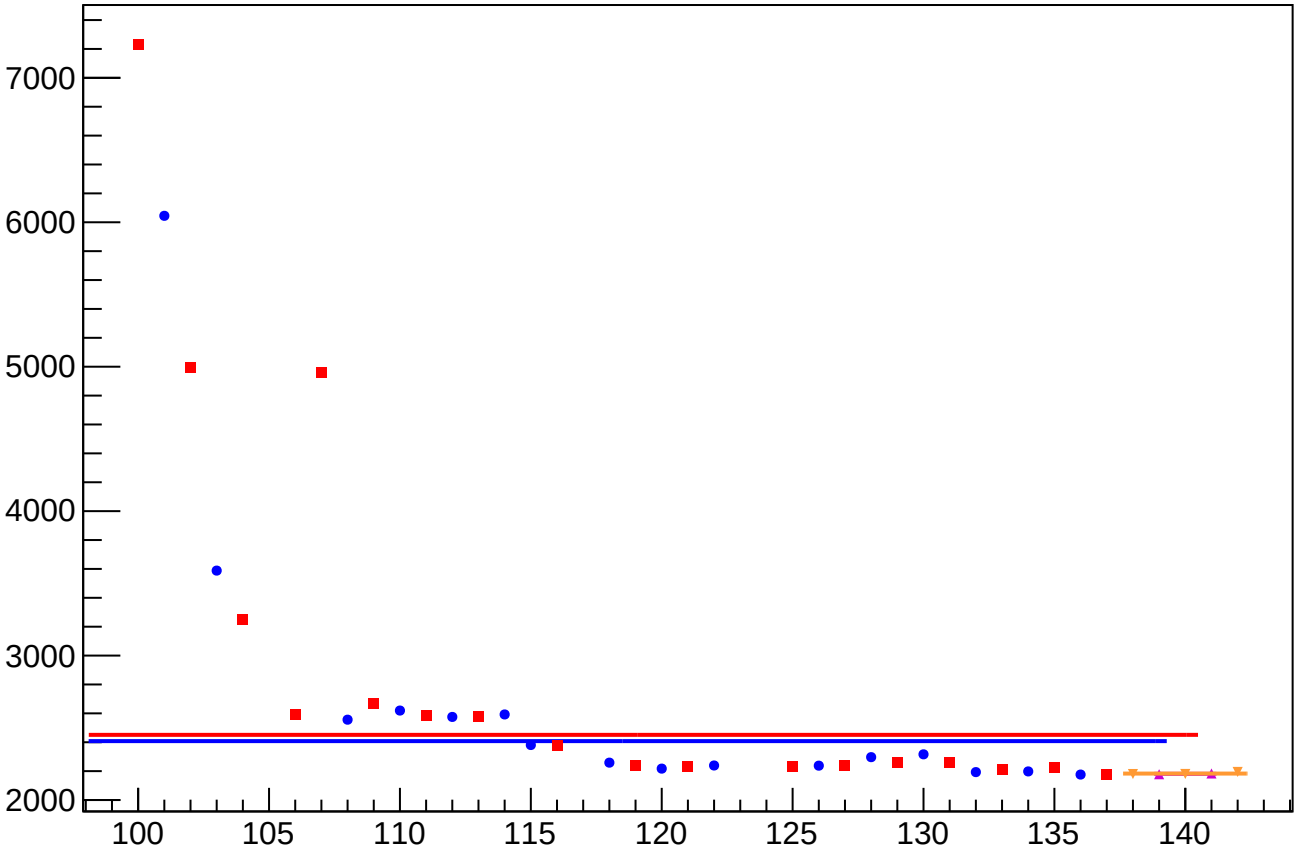
Left In: 3776.186+/-1657.478 χ^2/NDF:0.0/1

+ sign -449.942+/-784.588 χ^2/NDF: 18.5/18

All: 515.616+/-563.622 χ^2/NDF: 37.0/38

- sign 1545.218+/-810.191 χ^2/NDF: 15.3/19

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2183.135+/-1.074 χ^2/NDF:29.2/2

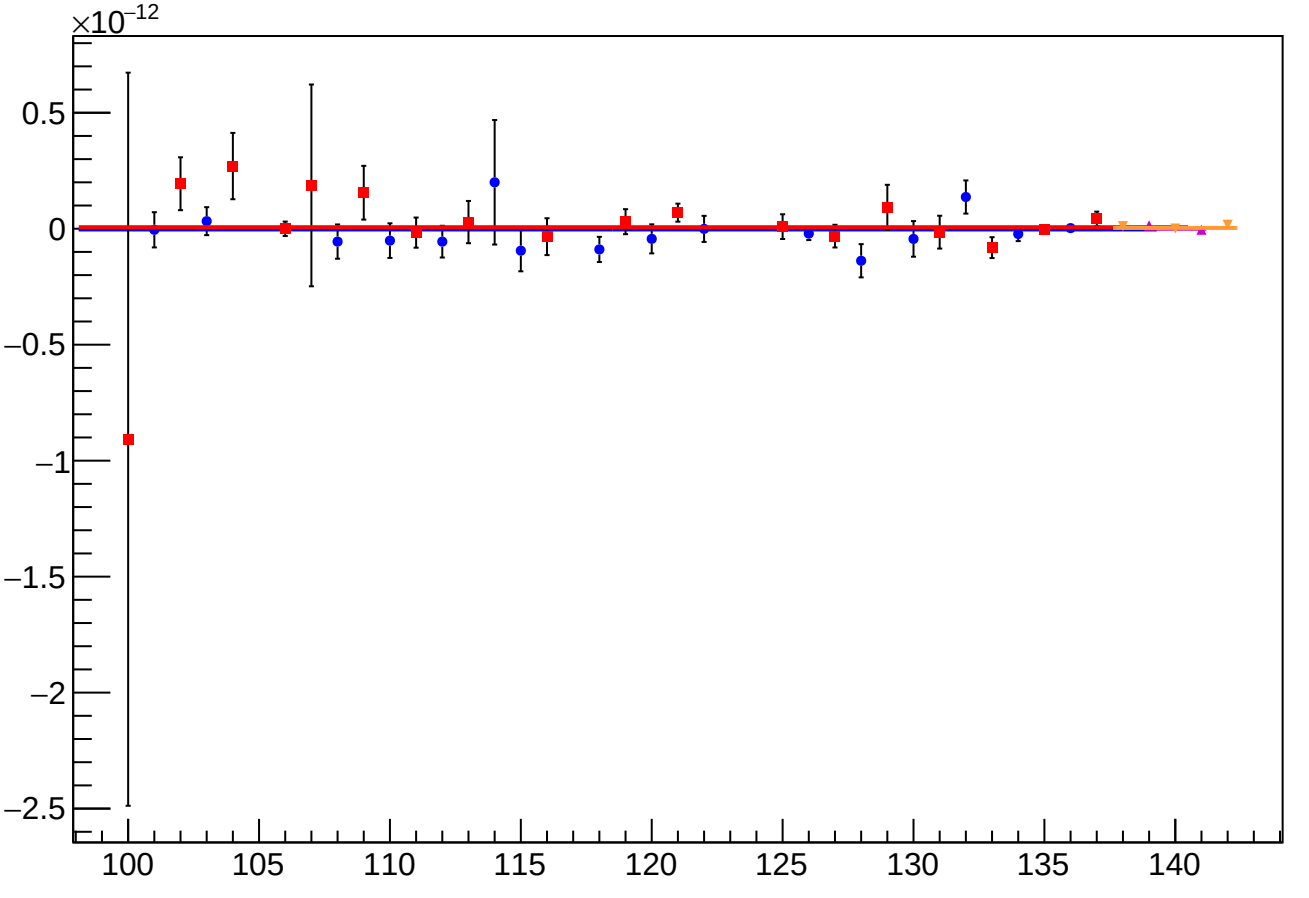
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2181.211+/-1.172 χ^2/NDF:5.0/1

+ sign 2347.876+/-0.555 χ^2/NDF: 708991.4/18

All: 2366.656+/-0.399 χ^2/NDF: 1385348.5/38

- sign 2386.682+/-0.573 χ^2/NDF: 673989.3/19



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/2

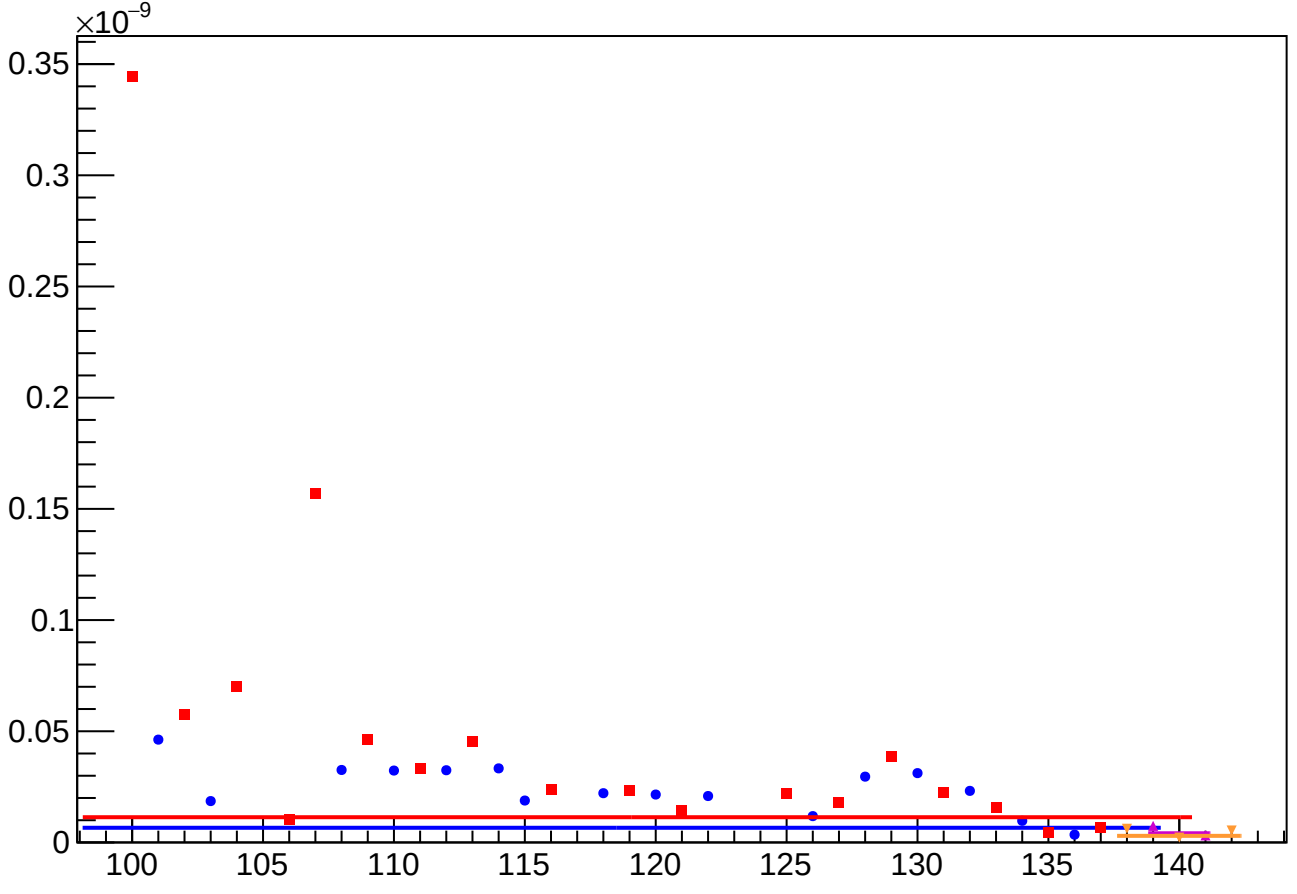
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:2.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.6/18

All: 0.000+/-0.000 χ^2/NDF: 39.8/38

- sign 0.000+/-0.000 χ^2/NDF: 21.2/19



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:350156.8/2

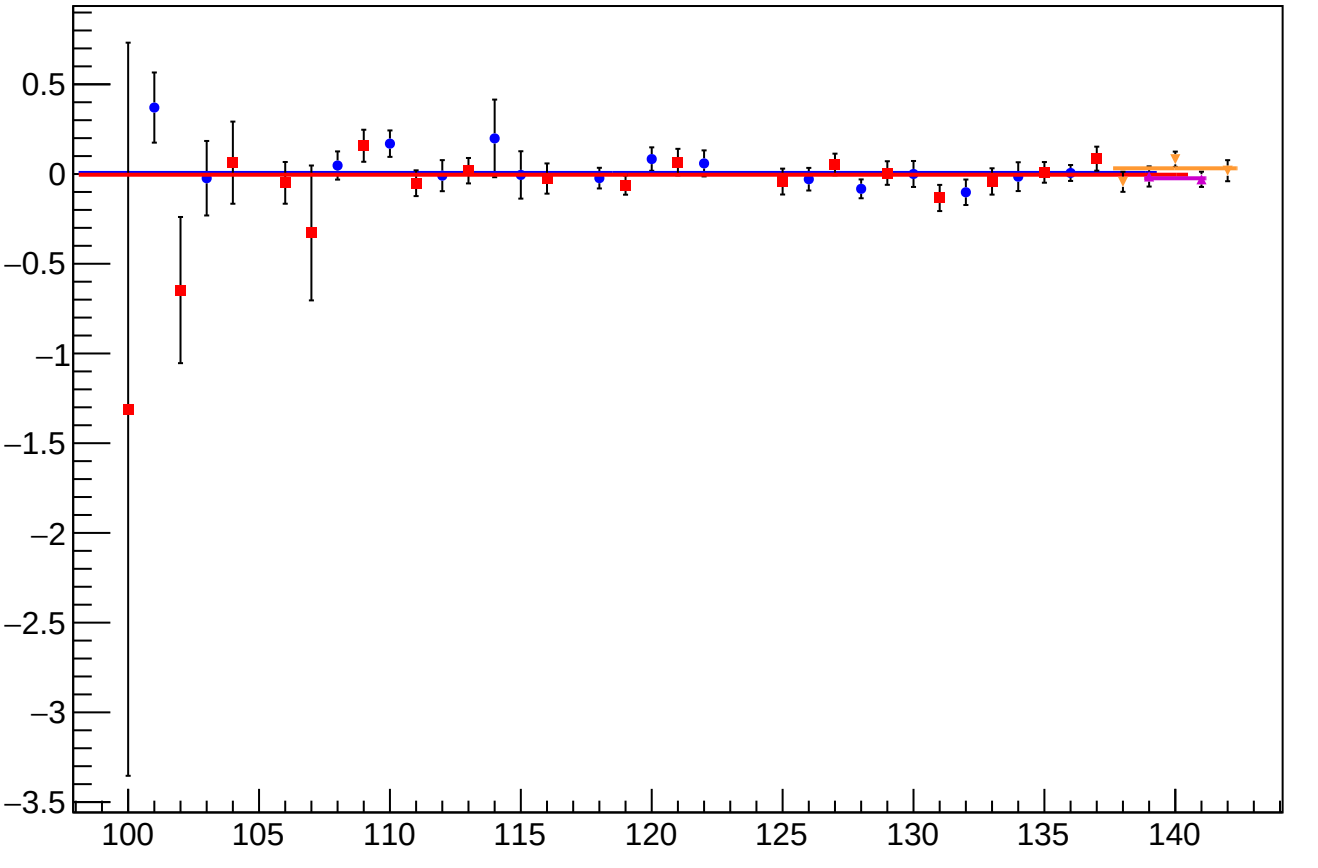
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:200514.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 3704590.3/18

All: 0.000+/-0.000 χ^2/NDF: 7669954.0/38

- sign 0.000+/-0.000 χ^2/NDF: 3715048.4/19



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

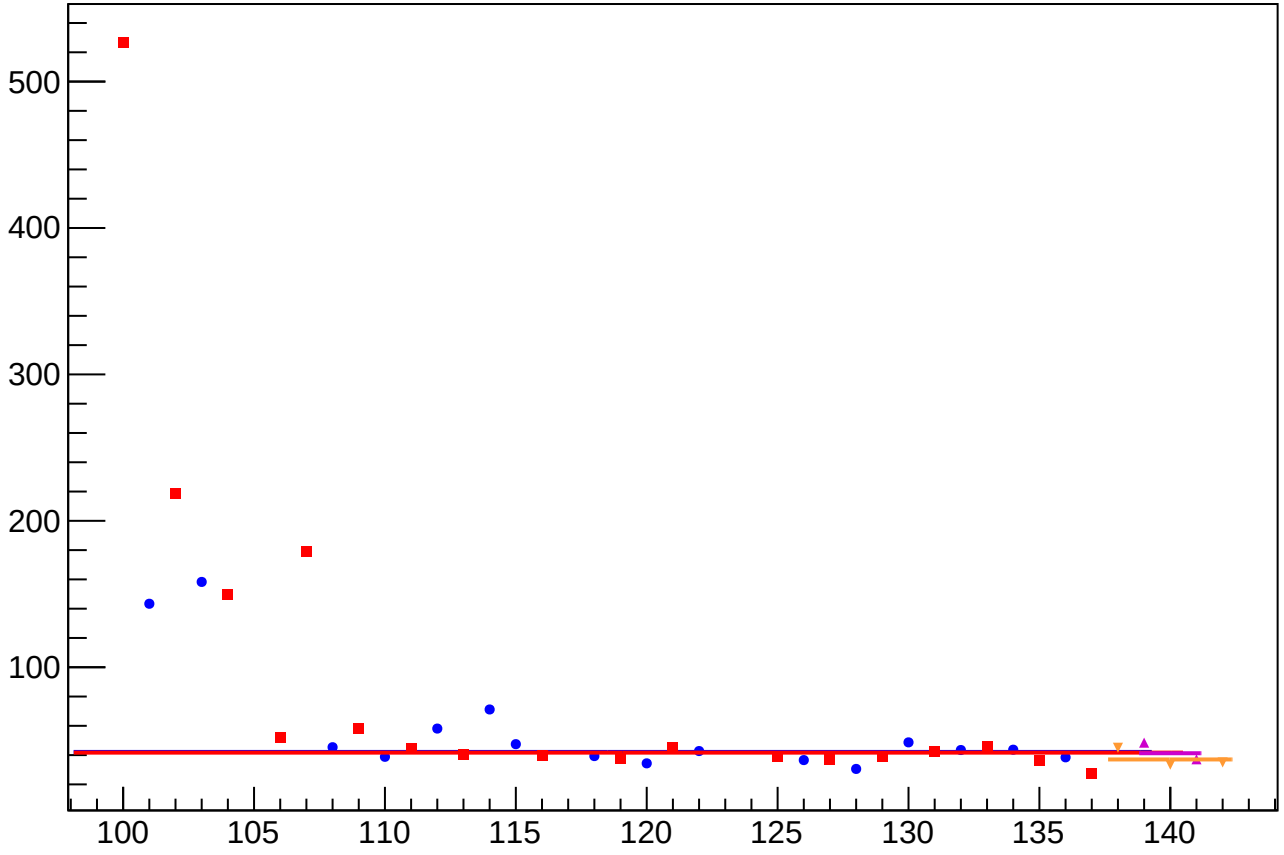
Left In: -0.024+/-0.034 χ^2/NDF:0.1/1

+ sign 0.013+/-0.016 χ^2/NDF: 21.0/18

All: 0.003+/-0.011 χ^2/NDF: 38.6/38

- sign -0.008+/-0.016 χ^2/NDF: 16.6/19

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: 37.030+/-0.021 χ^2/NDF:57241.4/2

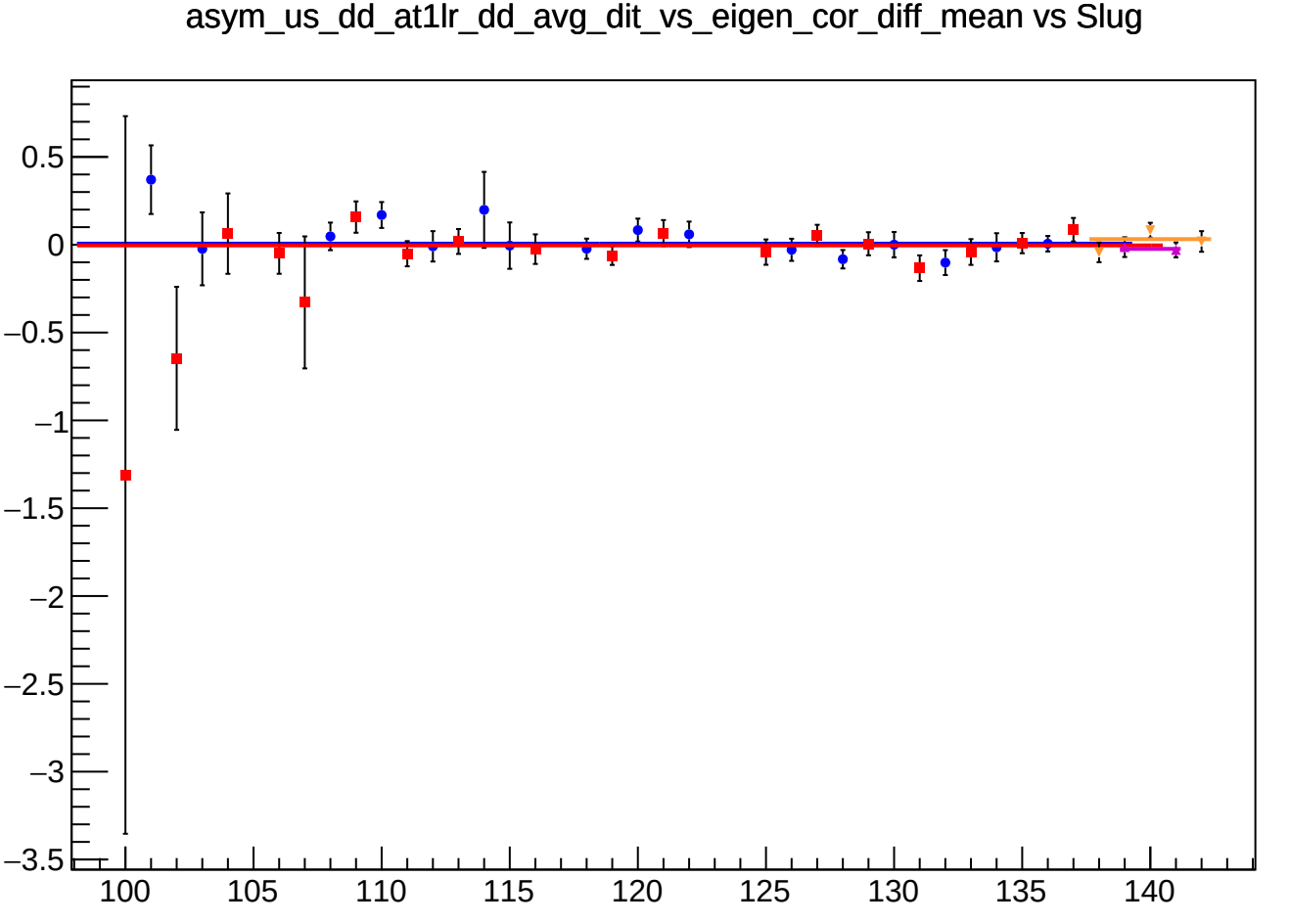
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.280+/-0.024 χ^2/NDF:51877.6/1

+ sign 40.731+/-0.011 χ^2/NDF: 1555793.9/18

All: 41.142+/-0.008 χ^2/NDF: 3052061.6/38

- sign 41.597+/-0.012 χ^2/NDF: 1493309.1/19



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.032+/-0.029 χ^2/NDF:3.3/2

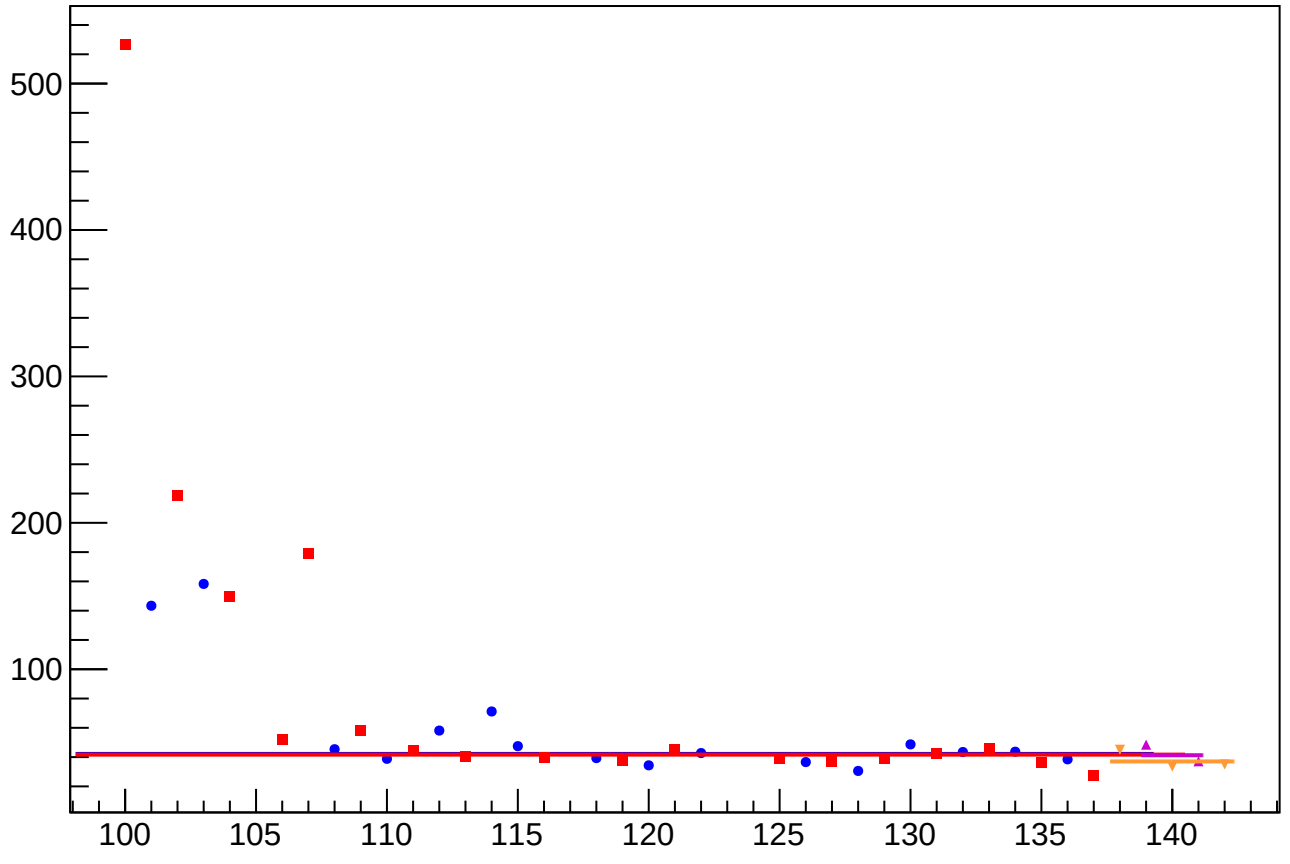
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.024+/-0.034 χ^2/NDF:0.1/1

+ sign 0.013+/-0.016 χ^2/NDF: 21.0/18

All: 0.003+/-0.011 χ^2/NDF: 38.6/38

- sign -0.008+/-0.016 χ^2/NDF: 16.6/19



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.030+/-0.021 χ^2/NDF:57241.4/2

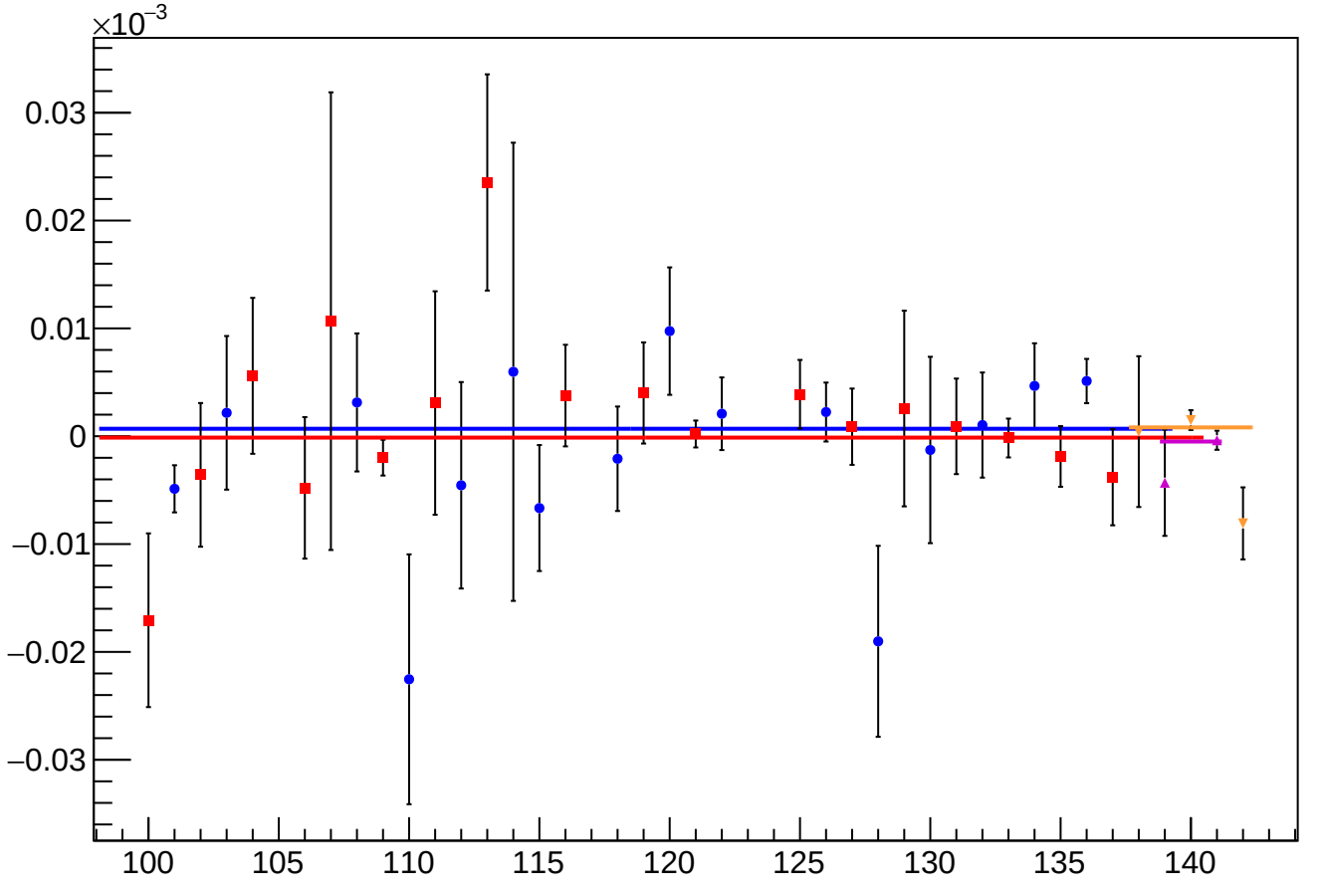
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.280+/-0.024 χ^2/NDF:51877.6/1

+ sign 40.731+/-0.011 χ^2/NDF: 1555793.9/18

All: 41.142+/-0.008 χ^2/NDF: 3052061.6/38

- sign 41.597+/-0.012 χ^2/NDF: 1493309.1/19



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/2

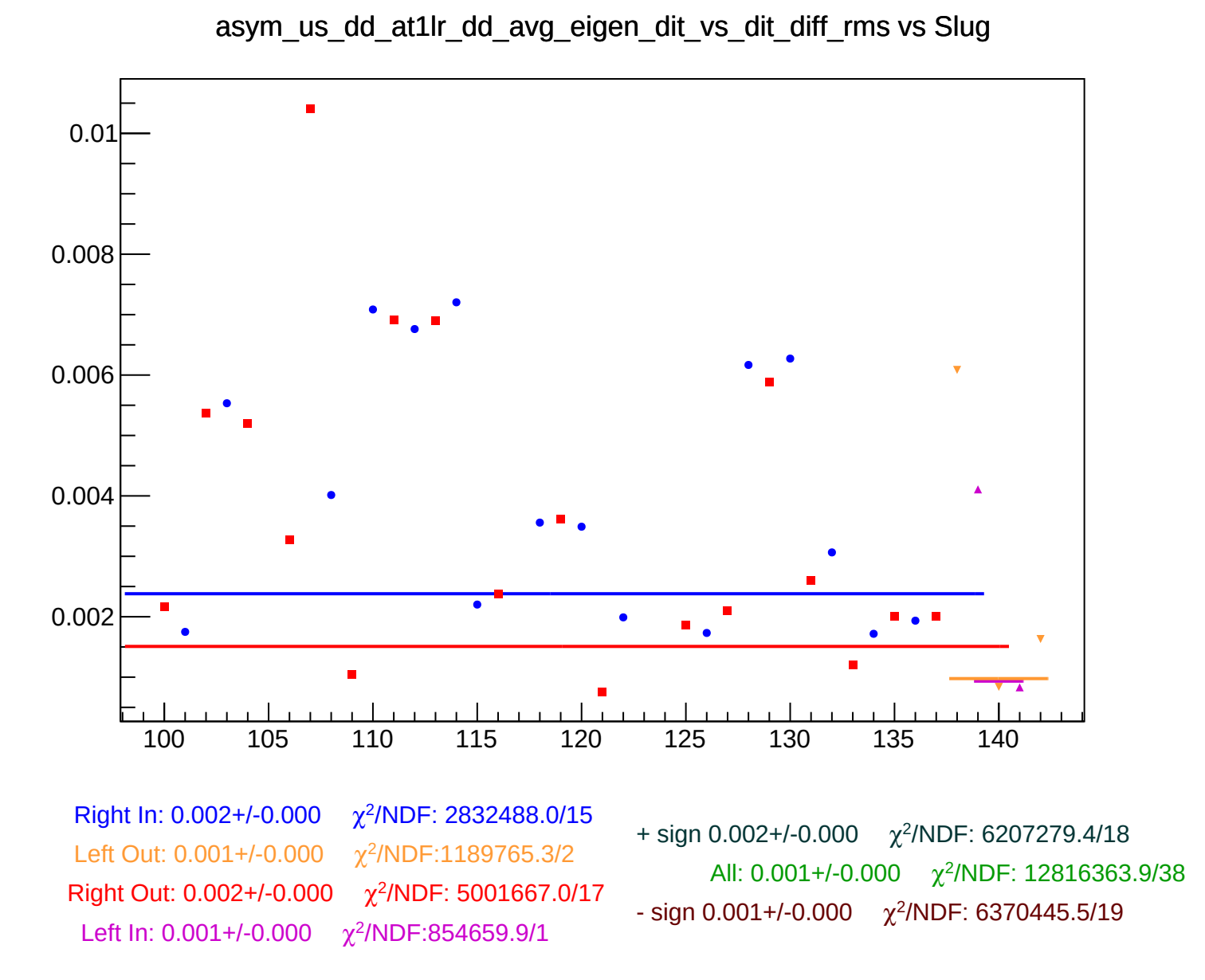
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

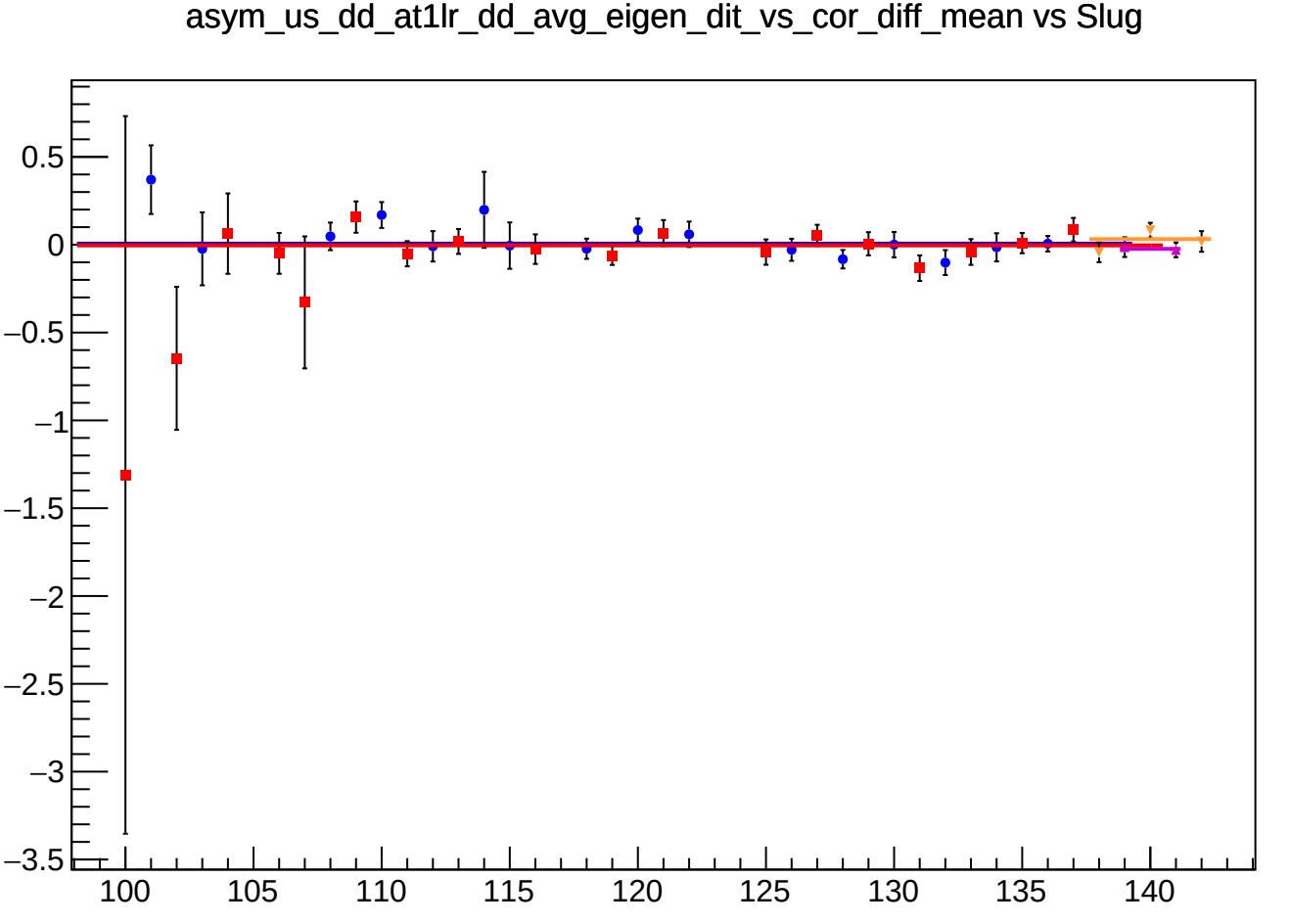
Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 34.1/18

All: 0.000+/-0.000 χ^2/NDF: 53.7/38

- sign -0.000+/-0.000 χ^2/NDF: 18.1/19


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
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:1189765.3/2
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:854659.9/1
+ sign 0.002+/-0.000 χ²/NDF: 6207279.4/18
All: 0.001+/-0.000 χ²/NDF: 12816363.9/38
- sign 0.001+/-0.000 χ²/NDF: 6370445.5/19



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.032+/-0.029 χ^2/NDF:3.3/2

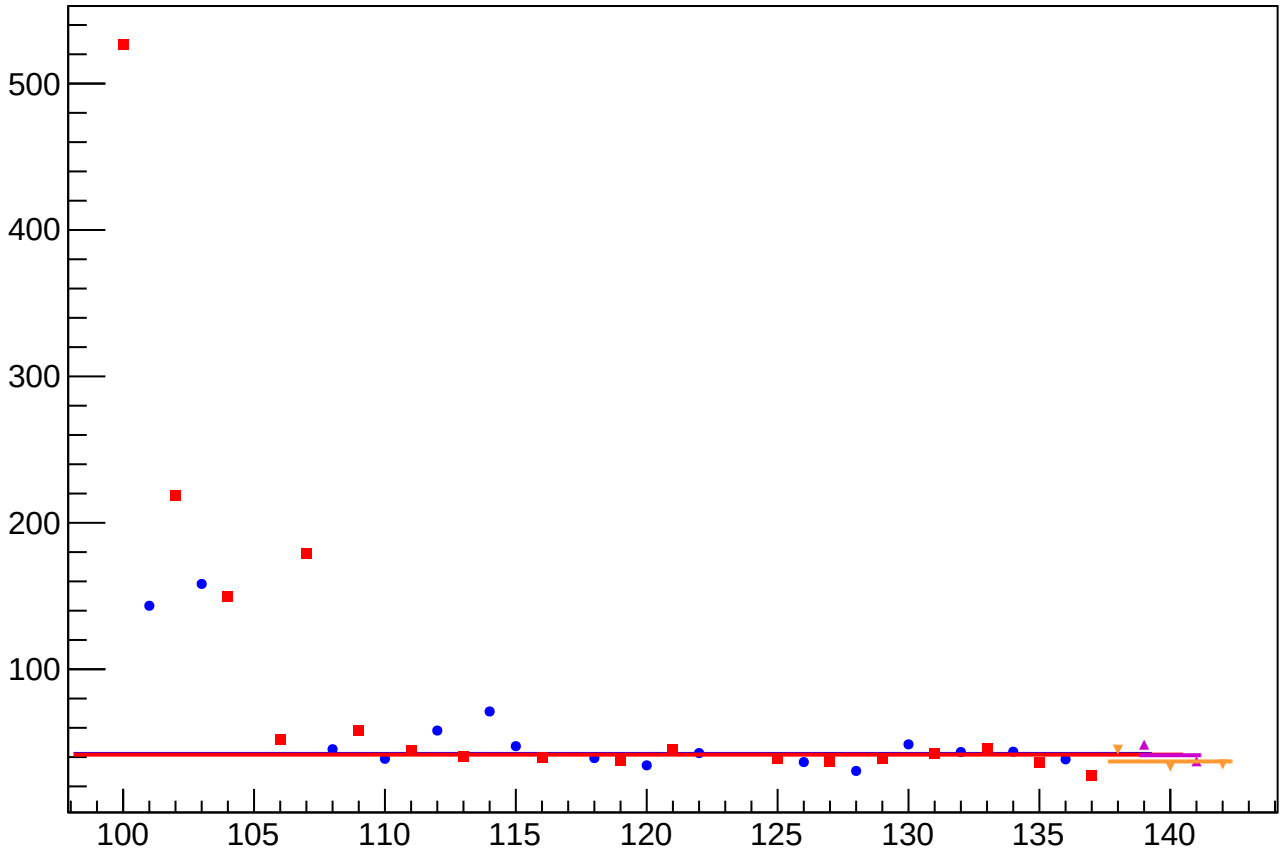
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.024+/-0.034 χ^2/NDF:0.1/1

+ sign 0.013+/-0.016 χ^2/NDF: 21.0/18

All: 0.003+/-0.011 χ^2/NDF: 38.6/38

- sign -0.008+/-0.016 χ^2/NDF: 16.6/19



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.030+/-0.021 χ^2/NDF:57224.7/2

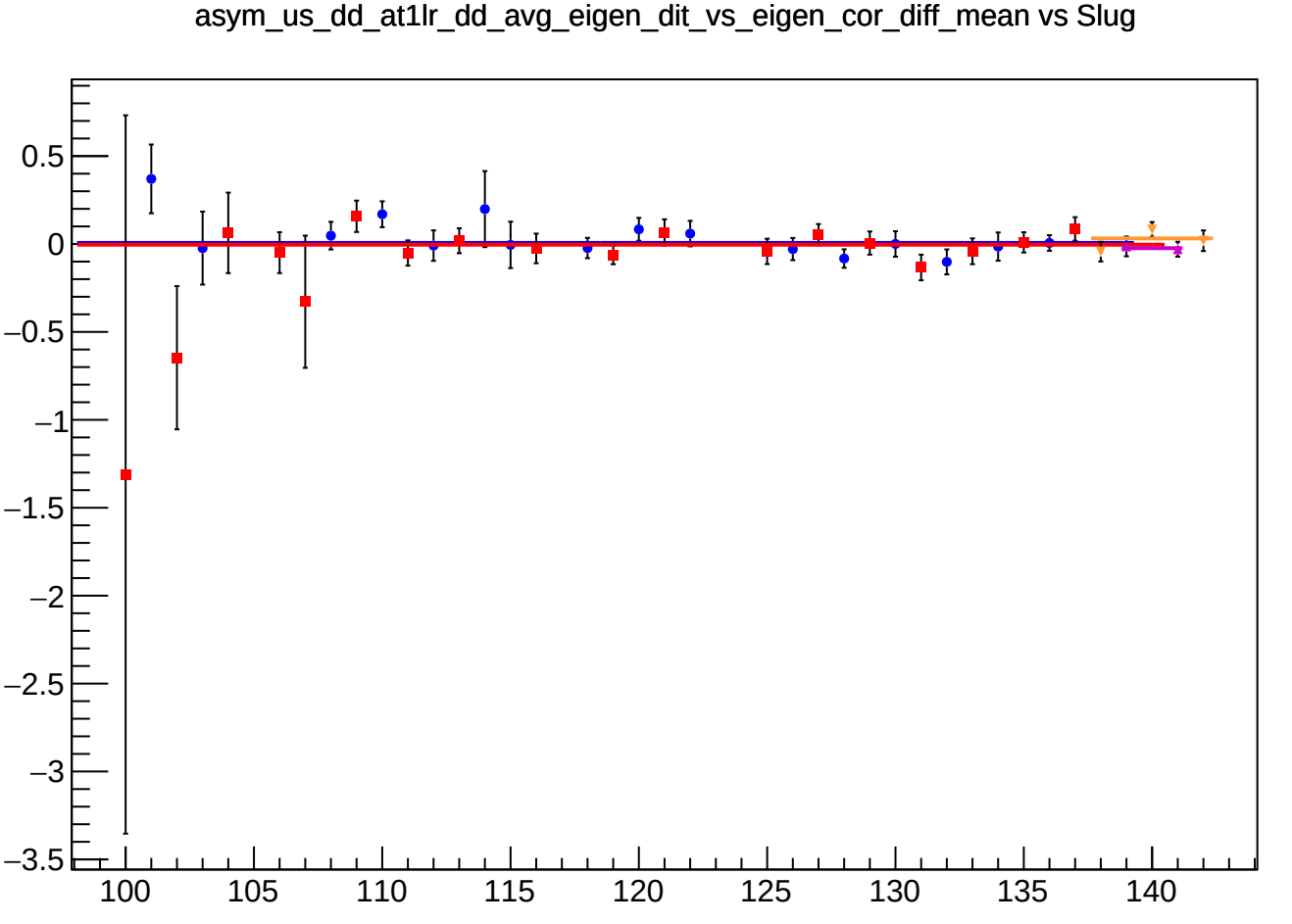
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.280+/-0.024 χ^2/NDF:51884.0/1

+ sign 40.730+/-0.011 χ^2/NDF: 1555941.5/18

All: 41.142+/-0.008 χ^2/NDF: 3052210.0/38

- sign 41.597+/-0.012 χ^2/NDF: 1493296.3/19



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.032+/-0.029 χ^2/NDF:3.3/2

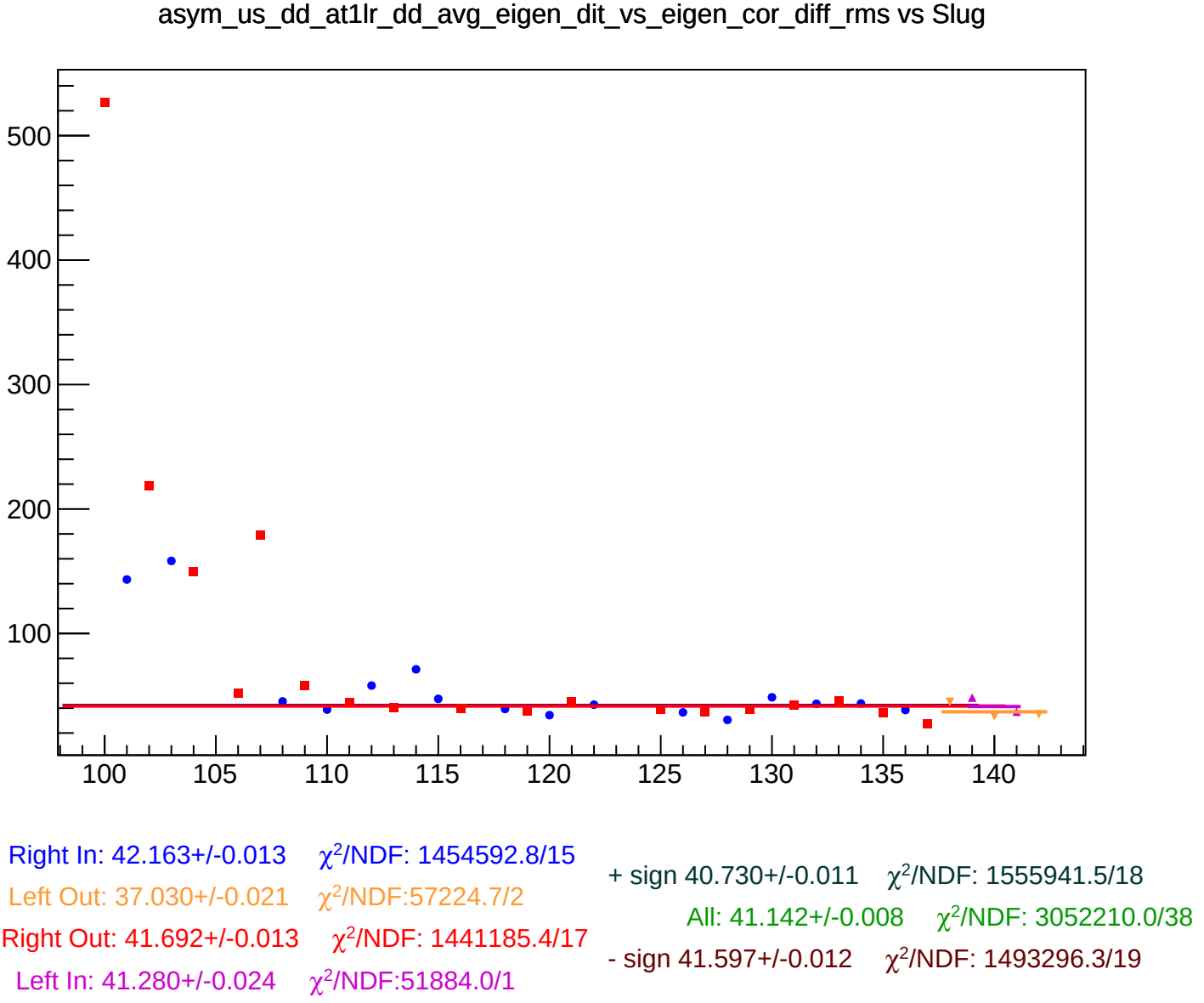
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

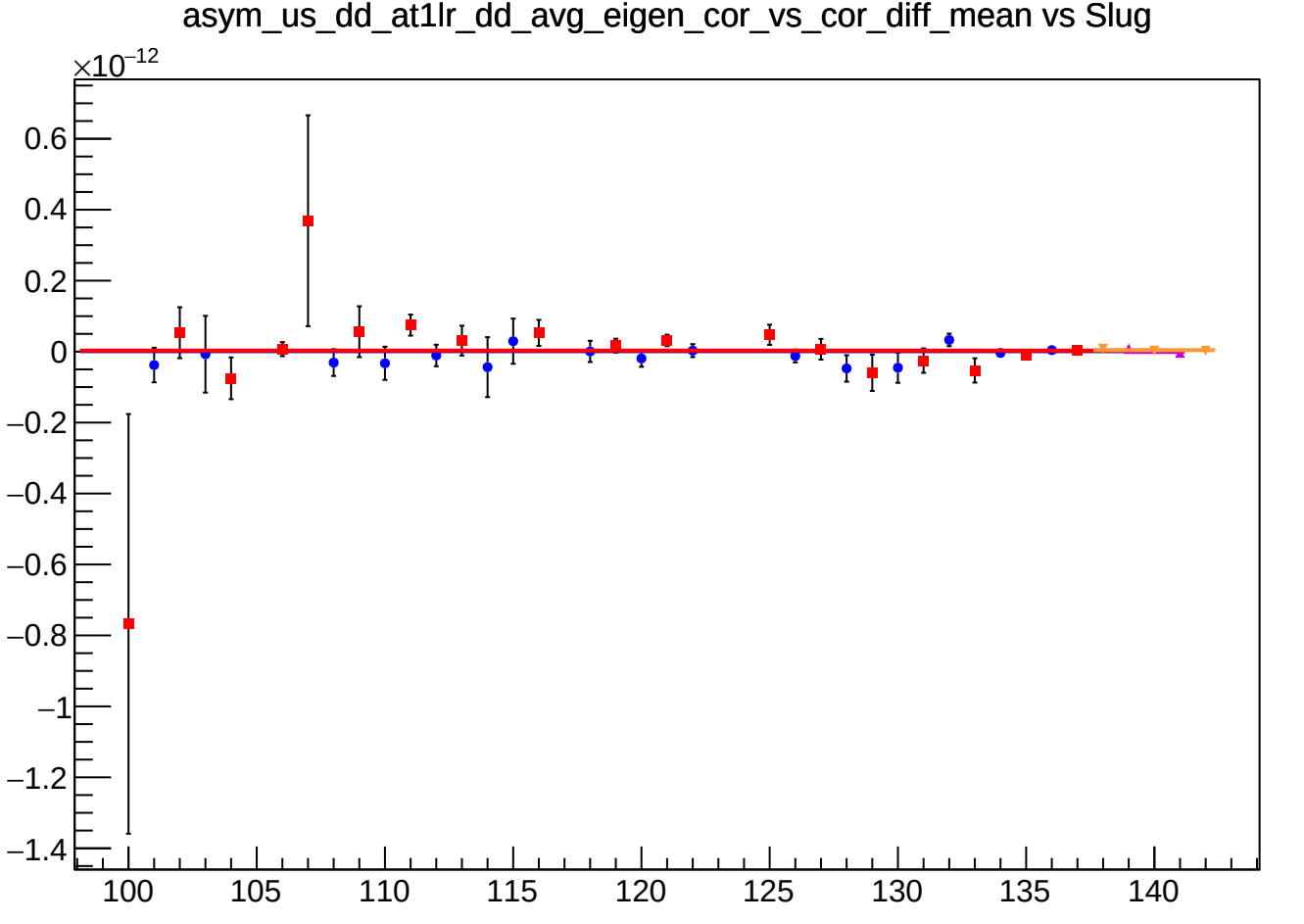
Left In: -0.024+/-0.034 χ^2/NDF:0.1/1

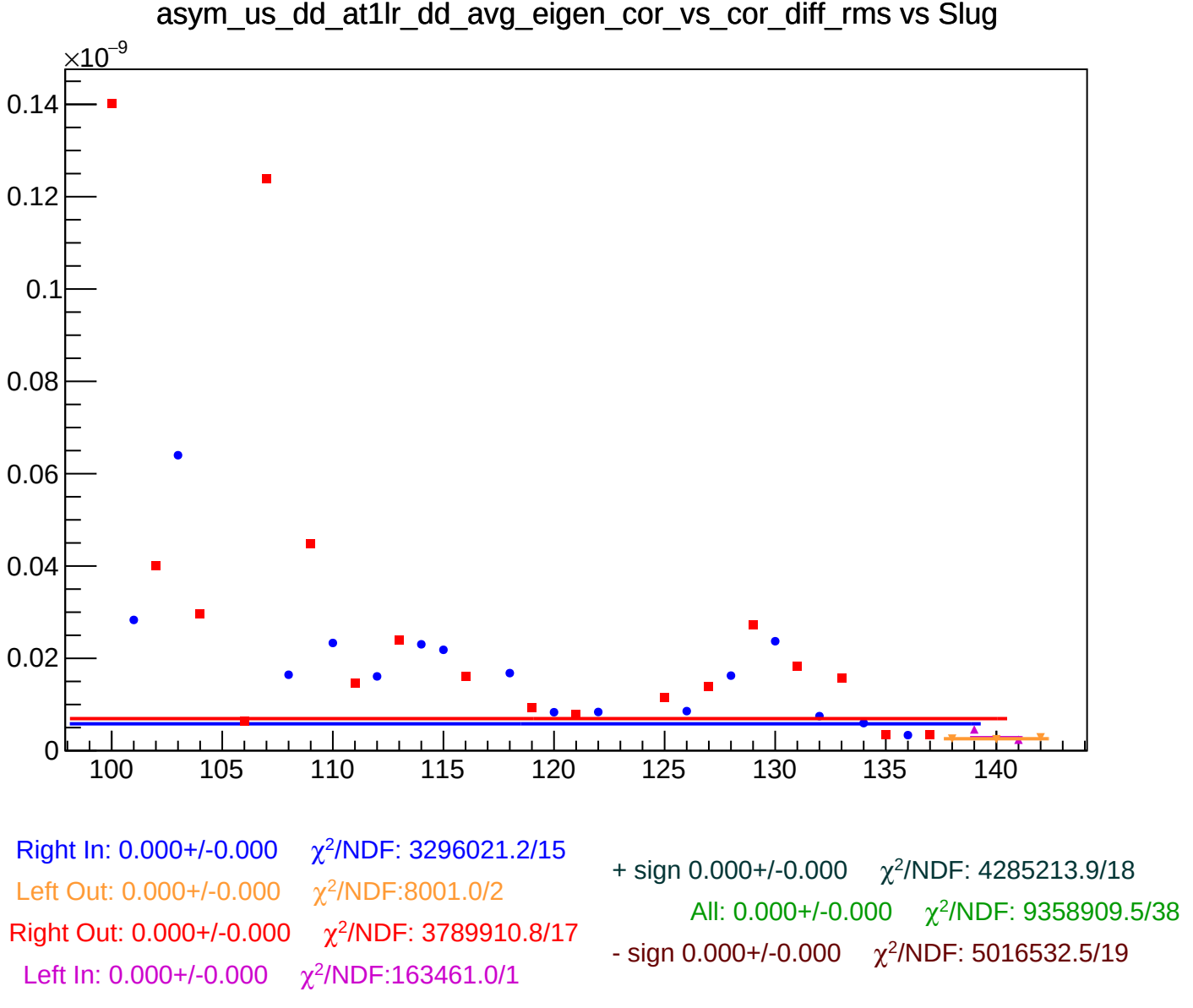
+ sign 0.013+/-0.016 χ^2/NDF: 21.0/18

All: 0.003+/-0.011 χ^2/NDF: 38.6/38

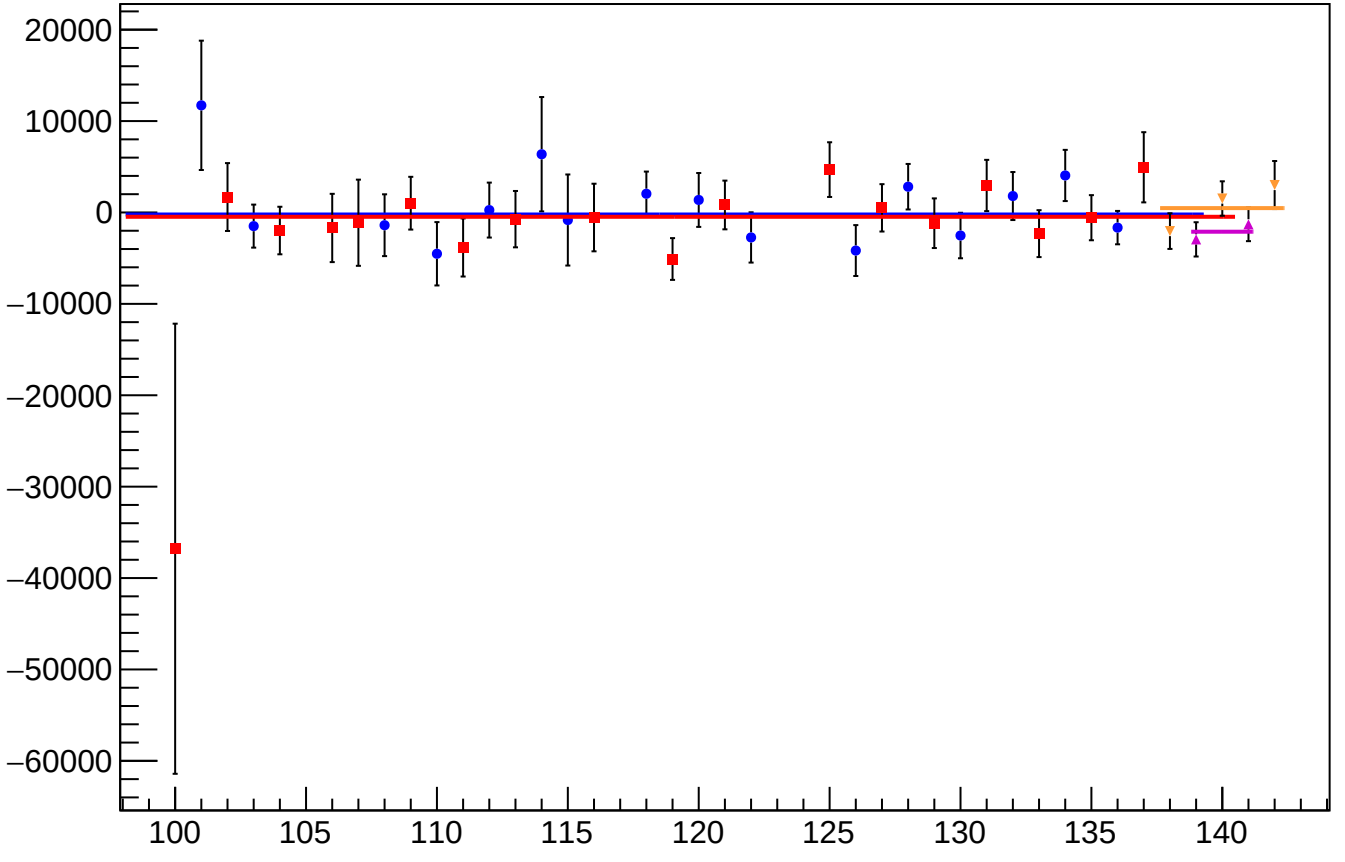
- sign -0.008+/-0.016 χ^2/NDF: 16.6/19


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
105
110
115
120
125
130
135
140
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 37.030+/-0.021 χ²/NDF:57224.7/2
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 41.280+/-0.024 χ²/NDF:51884.0/1
+ sign 40.730+/-0.011 χ²/NDF: 1555941.5/18
All: 41.142+/-0.008 χ²/NDF: 3052210.0/38
- sign 41.597+/-0.012 χ²/NDF: 1493296.3/19


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
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1.0/2
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: -0.000+/-0.000 χ²/NDF:2.6/1
+ sign 0.000+/-0.000 χ²/NDF: 12.0/18
All: 0.000+/-0.000 χ²/NDF: 44.8/38
- sign 0.000+/-0.000 χ²/NDF: 31.9/19


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
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:8001.0/2
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:163461.0/1
+ sign 0.000+/-0.000 χ²/NDF: 4285213.9/18
All: 0.000+/-0.000 χ²/NDF: 9358909.5/38
- sign 0.000+/-0.000 χ²/NDF: 5016532.5/19

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 476.702+/-1204.465 χ^2/NDF:2.9/2

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

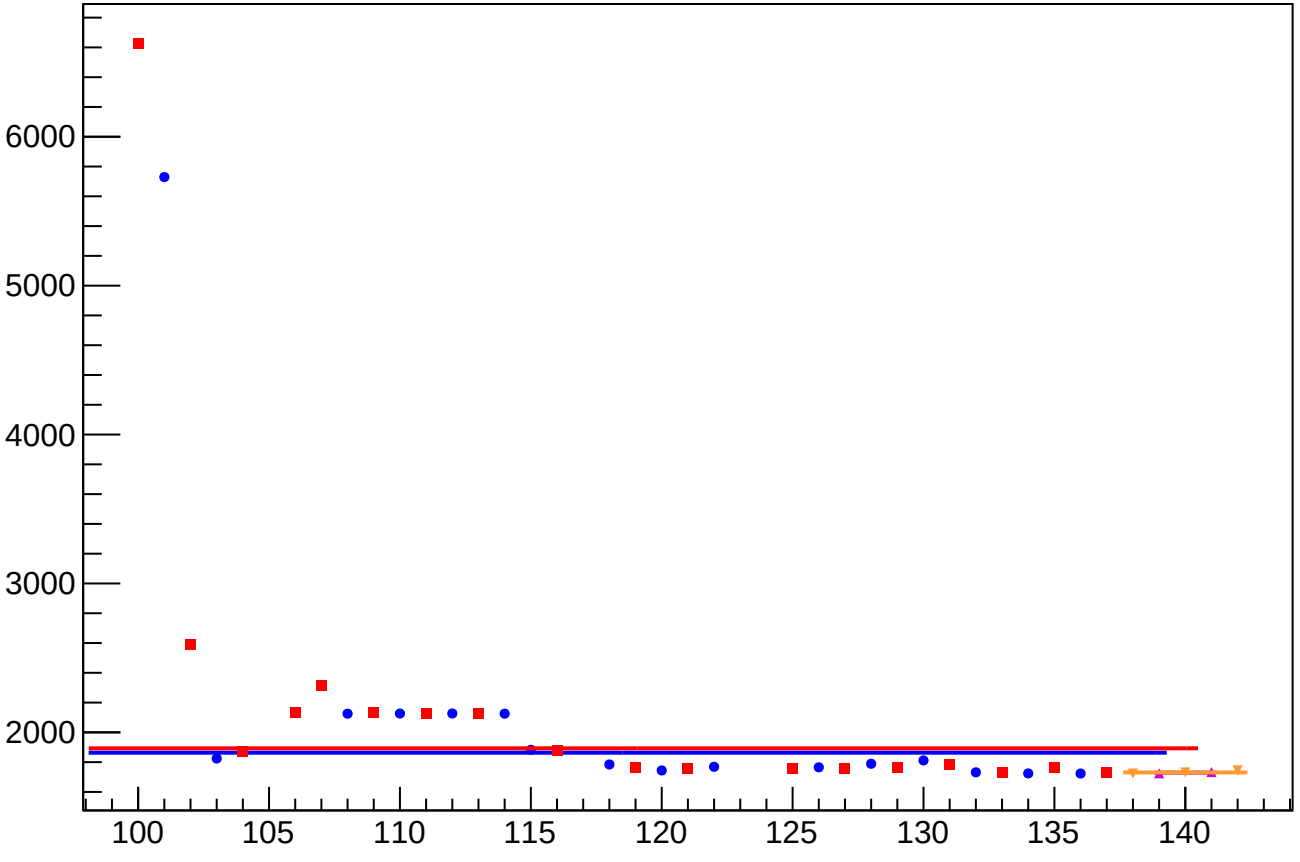
Left In: -2106.078+/-1314.234 χ^2/NDF:0.4/1

+ sign -42.871+/-611.099 χ^2/NDF: 19.0/18

All: -433.349+/-437.174 χ^2/NDF: 37.3/38

- sign -842.677+/-625.675 χ^2/NDF: 17.5/19

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1730.804+/-0.852 χ^2/NDF:89.7/2

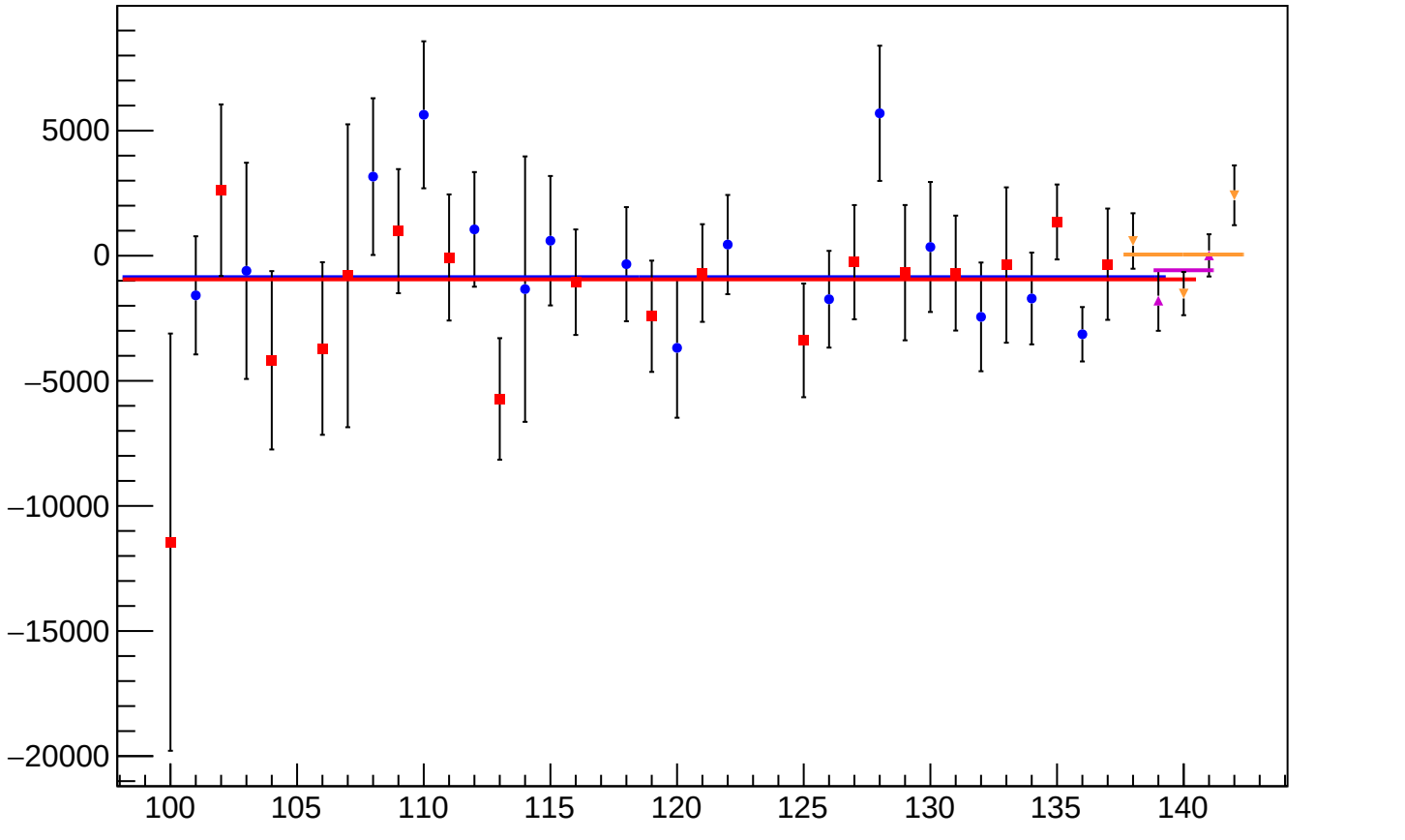
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1729.507+/-0.929 χ^2/NDF:21.2/1

+ sign 1829.402+/-0.432 χ^2/NDF: 692803.3/18

All: 1842.310+/-0.309 χ^2/NDF: 970062.4/38

- sign 1855.841+/-0.442 χ^2/NDF: 275431.4/19



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: 48.111+/-591.903 χ^2/NDF:7.4/2

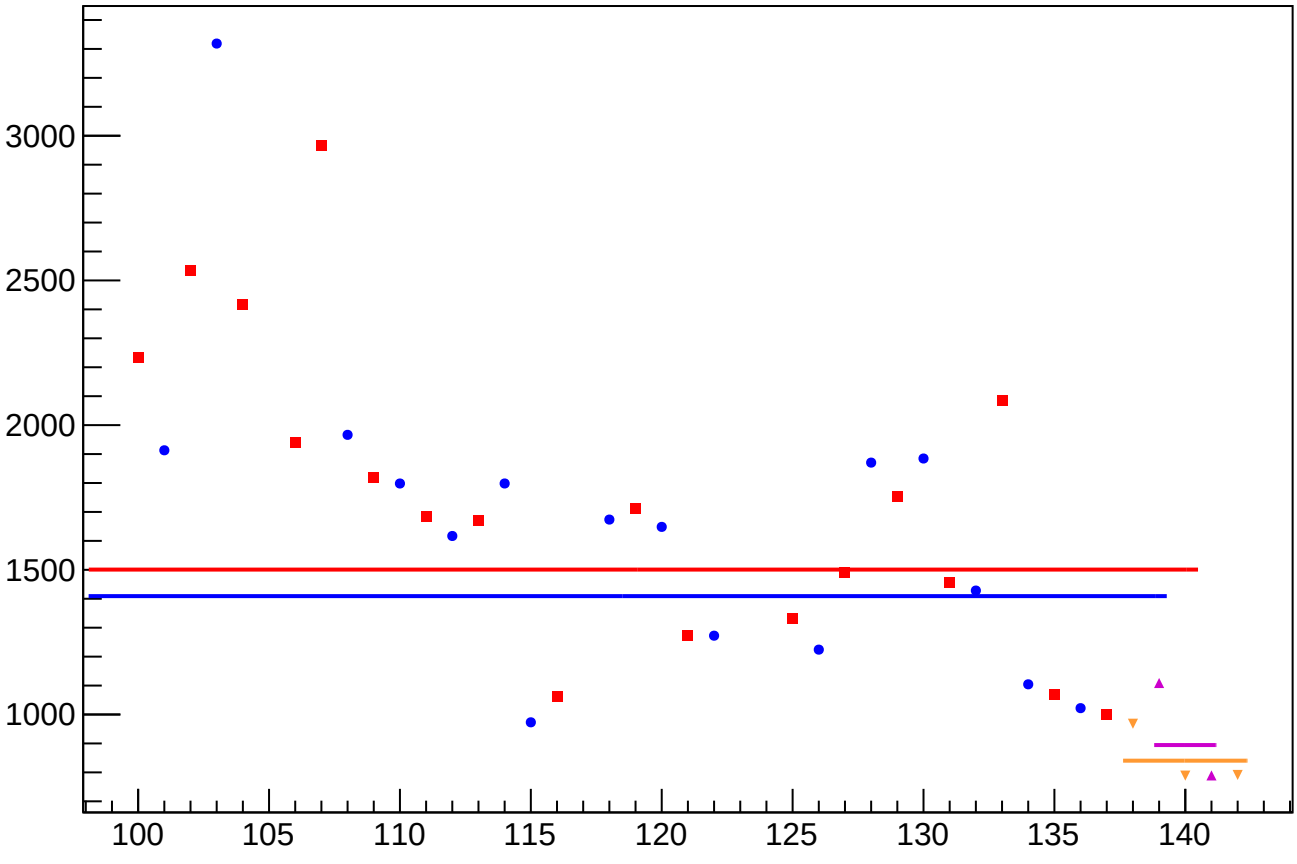
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -580.671+/-691.364 χ^2/NDF:1.5/1

\+ sign -437.942+/-402.827 χ^2/NDF: 29.3/18

All: -597.471+/-298.979 χ^2/NDF: 44.2/38

\- sign -793.135+/-446.121 χ^2/NDF: 14.6/19



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 840.462+/-0.419 χ^2/NDF:37068.3/2

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

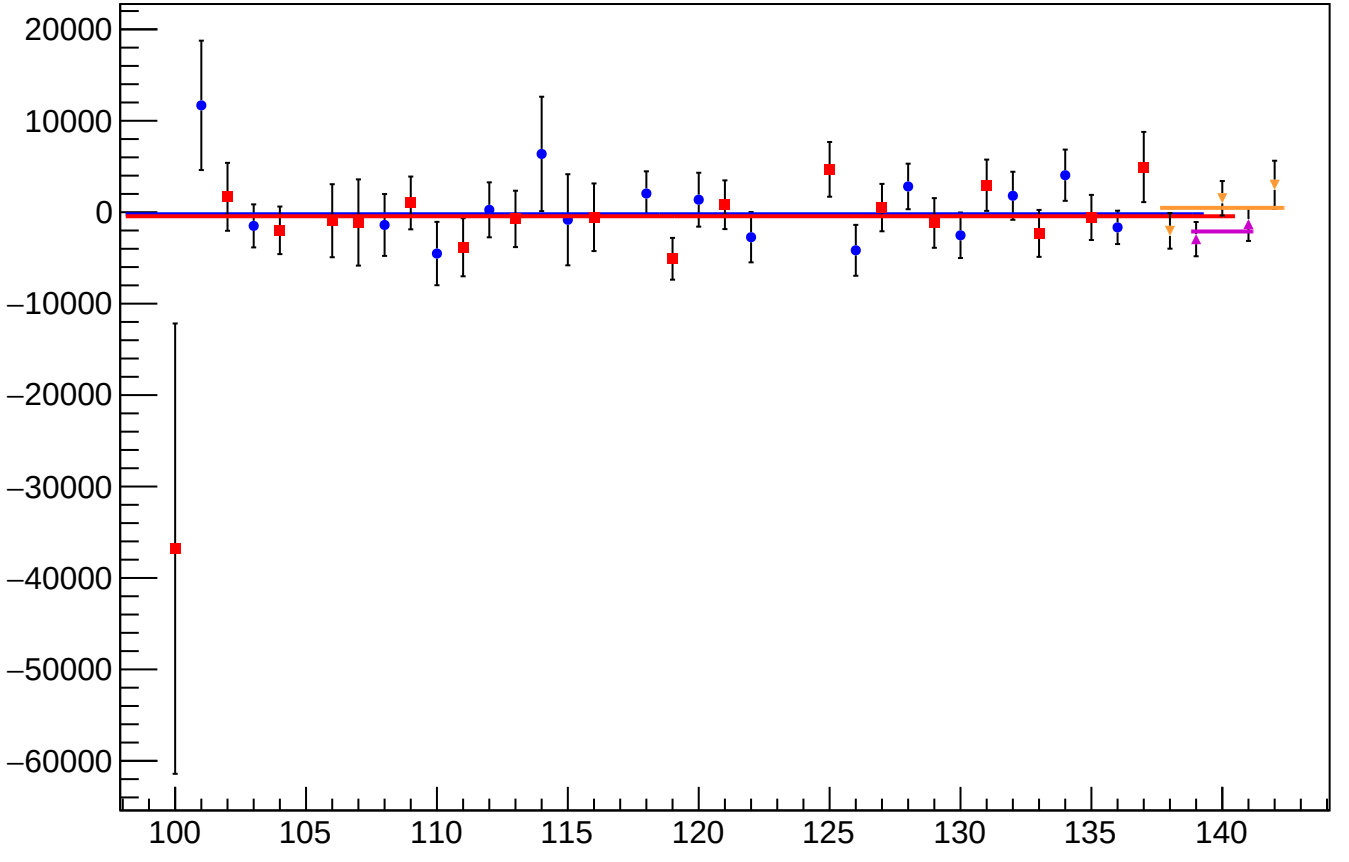
Left In: 894.456+/-0.489 χ^2/NDF:94174.9/1

+ sign 1145.725+/-0.285 χ^2/NDF: 2195687.1/18

All: 1191.808+/-0.211 χ^2/NDF: 4276717.3/38

- sign 1248.330+/-0.315 χ^2/NDF: 2022751.6/19

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 476.774+/-1204.465 χ^2/NDF:2.9/2

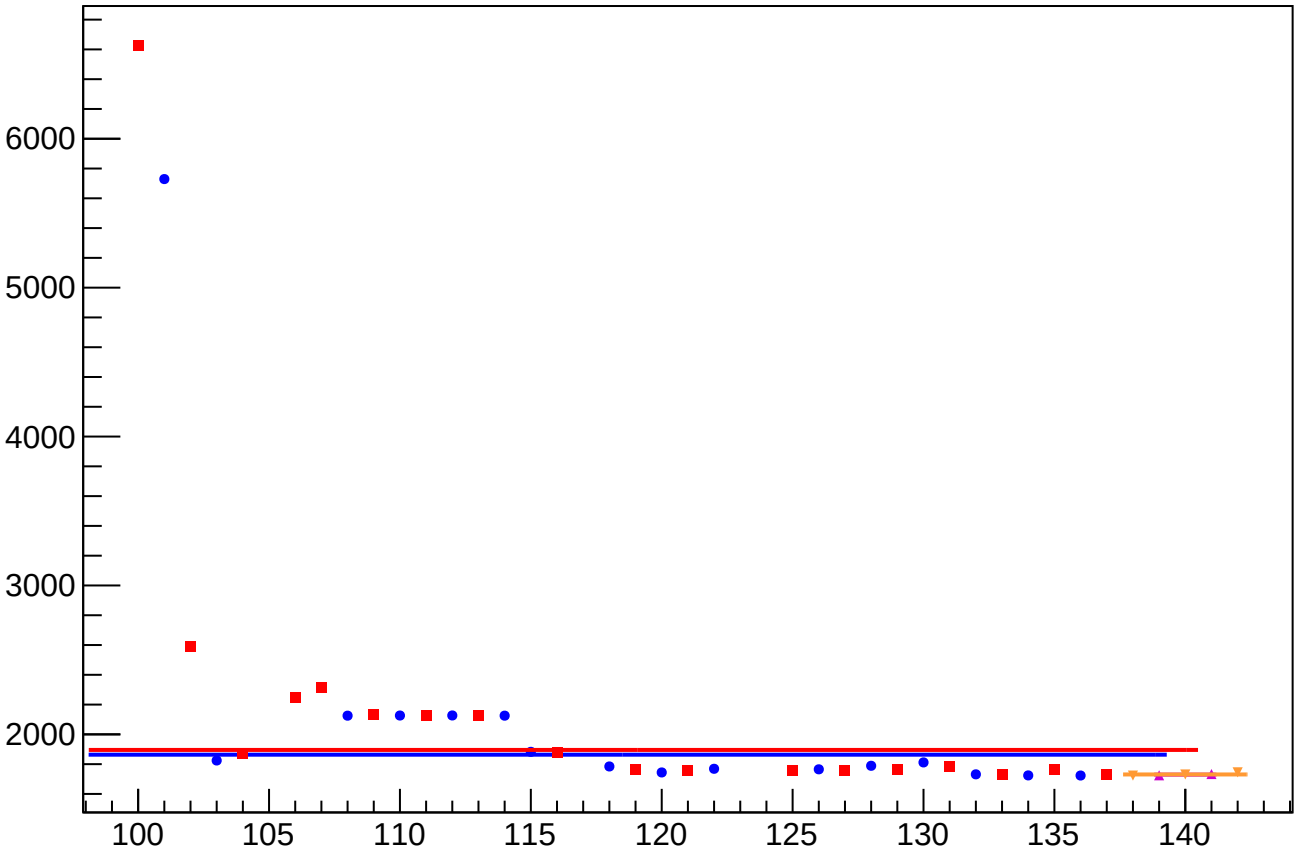
Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: -2105.997+/-1314.234 χ^2/NDF:0.4/1

+ sign -43.427+/-611.099 χ^2/NDF: 19.0/18

All: -422.494+/-437.550 χ^2/NDF: 37.2/38

- sign -821.261+/-626.778 χ^2/NDF: 17.4/19



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1730.804+/-0.852 χ^2/NDF:89.7/2

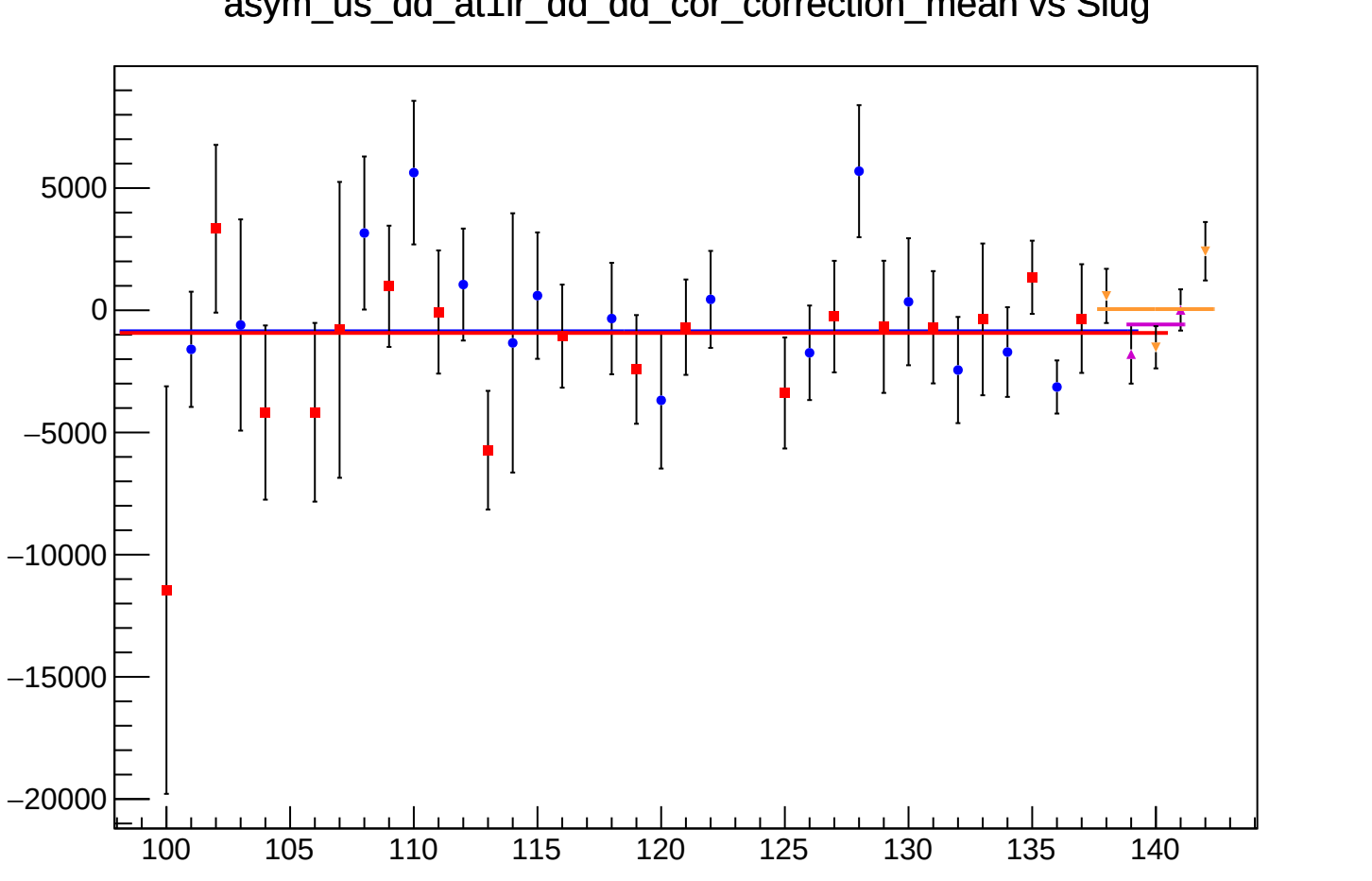
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1729.507+/-0.929 χ^2/NDF:21.2/1

+ sign 1829.402+/-0.432 χ^2/NDF: 692803.1/18

All: 1843.211+/-0.309 χ^2/NDF: 978737.9/38

- sign 1857.739+/-0.443 χ^2/NDF: 283839.1/19



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 48.037+/-591.911 χ^2/NDF:7.4/2

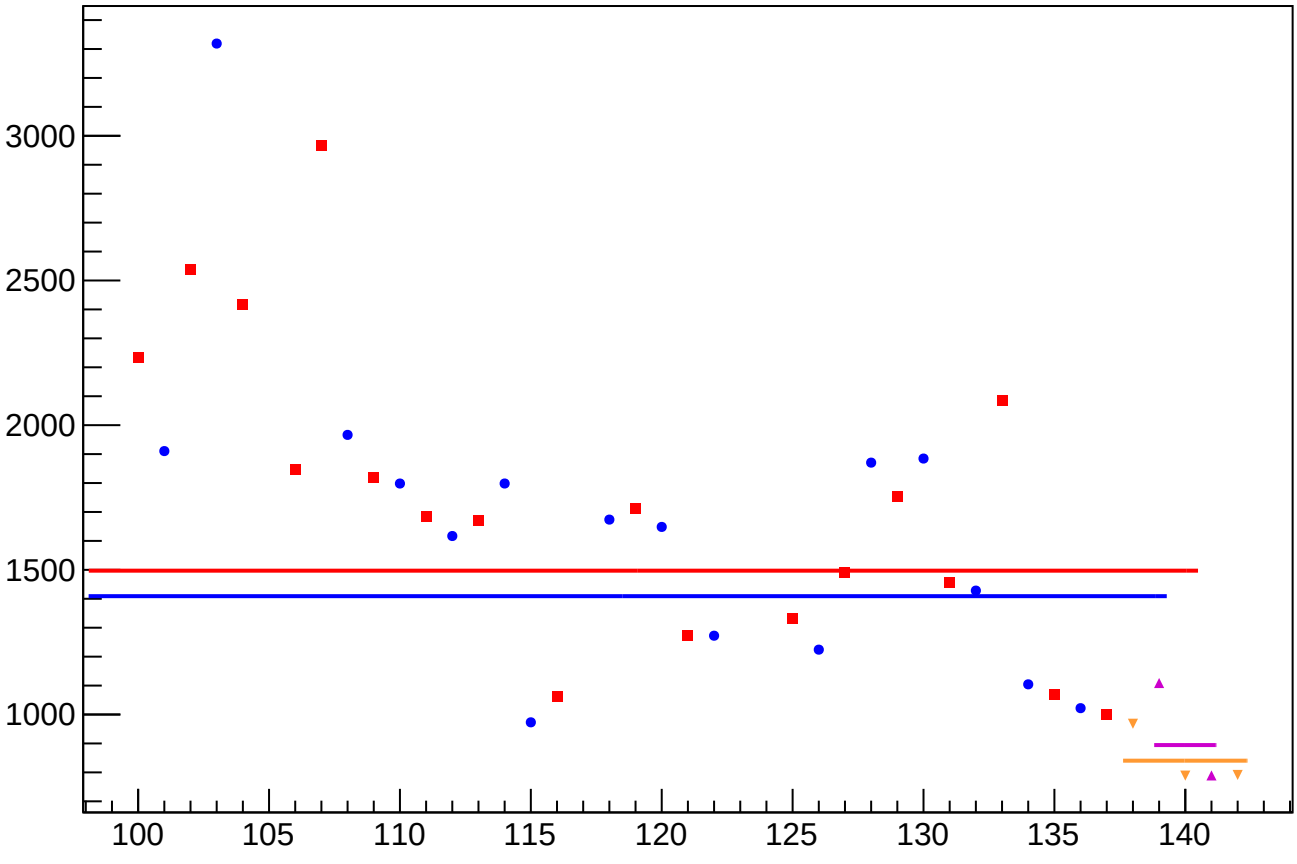
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -580.715+/-691.350 χ^2/NDF:1.5/1

+ sign -438.458+/-402.812 χ^2/NDF: 29.3/18

All: -592.889+/-299.095 χ^2/NDF: 44.8/38

- sign -782.656+/-446.527 χ^2/NDF: 15.2/19



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 840.475+/-0.419 χ^2/NDF:37055.8/2

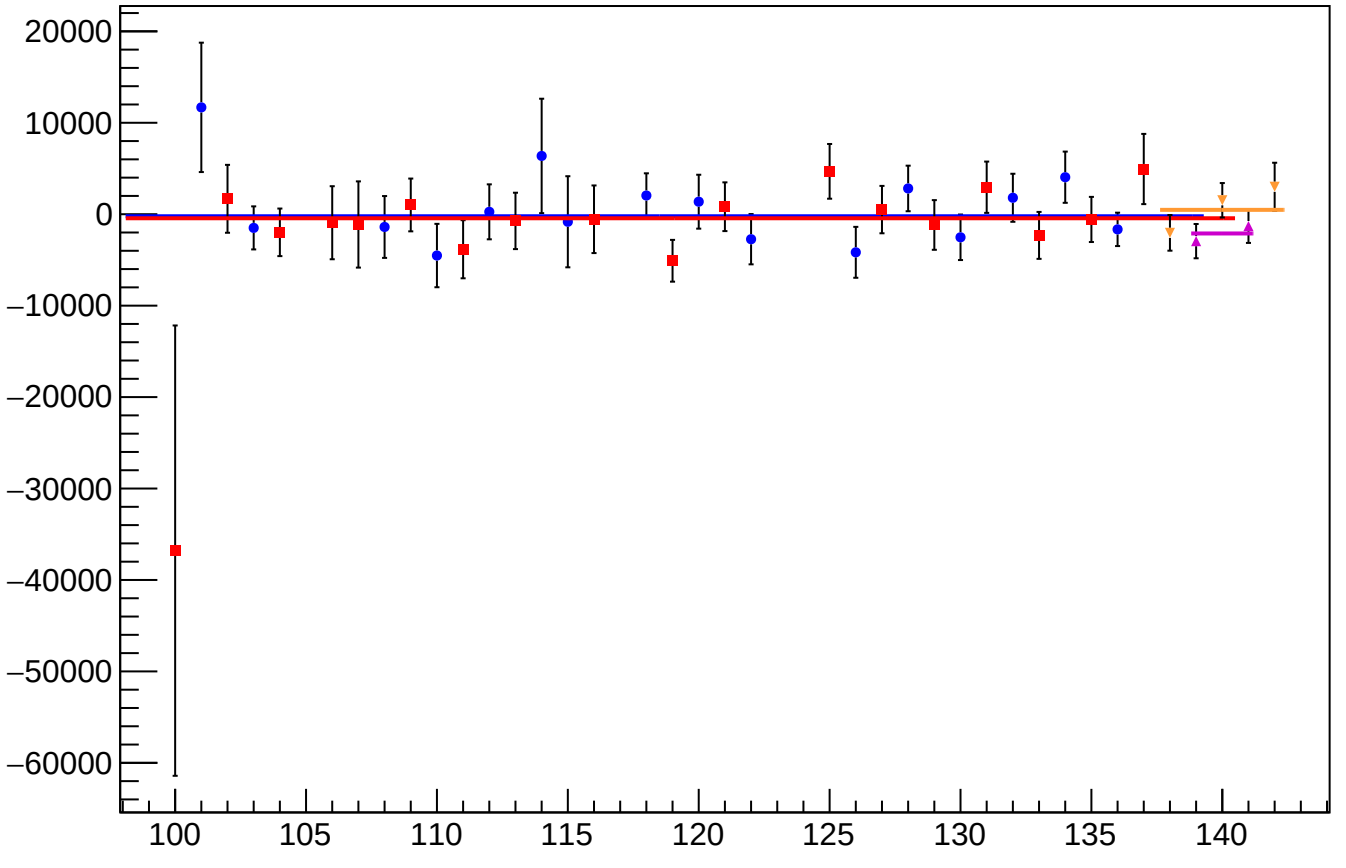
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 894.436+/-0.489 χ^2/NDF:94180.9/1

+ sign 1145.715+/-0.285 χ^2/NDF: 2194775.3/18

All: 1190.585+/-0.211 χ^2/NDF: 4248335.6/38

- sign 1245.723+/-0.316 χ^2/NDF: 1998247.8/19



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 476.774+/-1204.465 χ^2/NDF:2.9/2

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

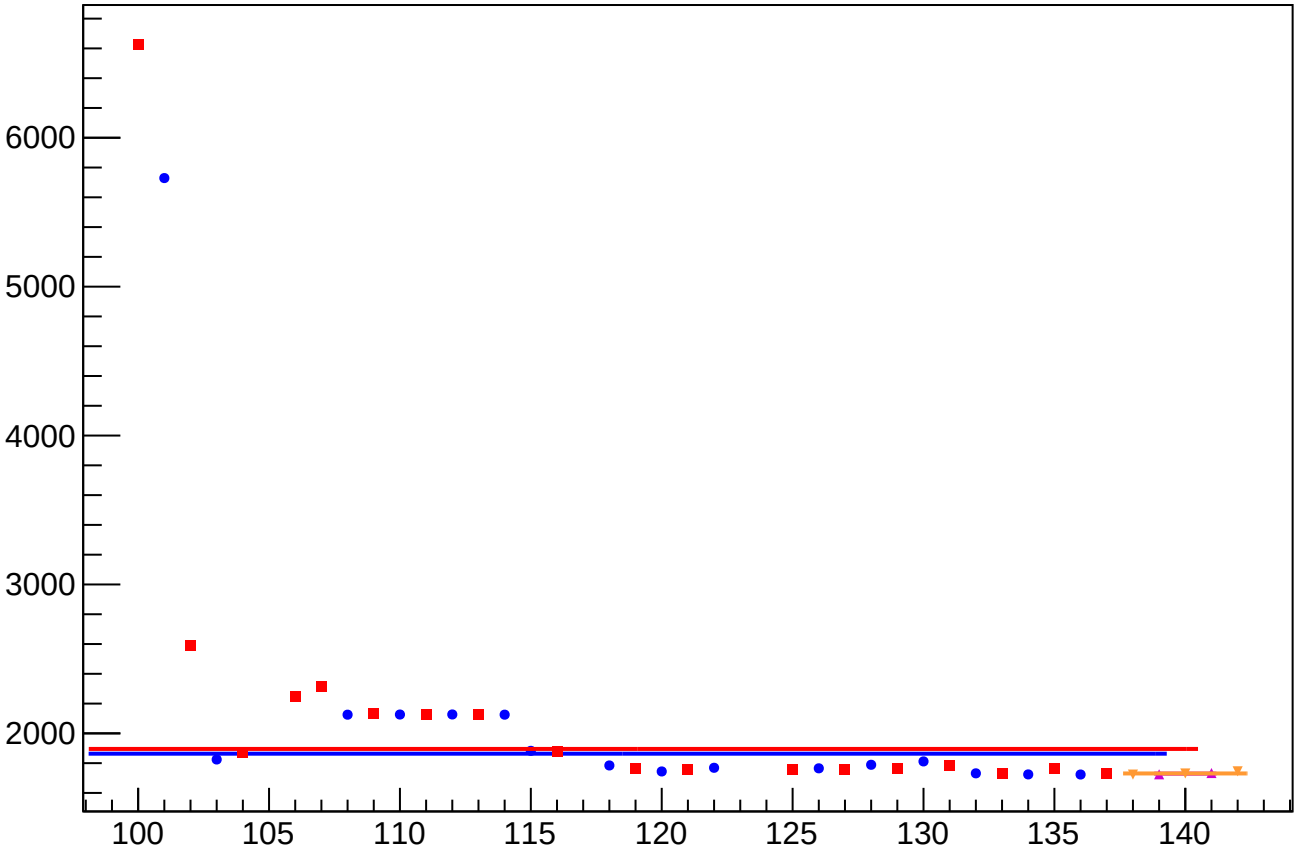
Left In: -2105.997+/-1314.234 χ^2/NDF:0.4/1

+ sign -43.427+/-611.099 χ^2/NDF: 19.0/18

All: -422.494+/-437.550 χ^2/NDF: 37.2/38

- sign -821.261+/-626.778 χ^2/NDF: 17.4/19

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: 1730.804+/-0.852 χ^2/NDF:89.7/2

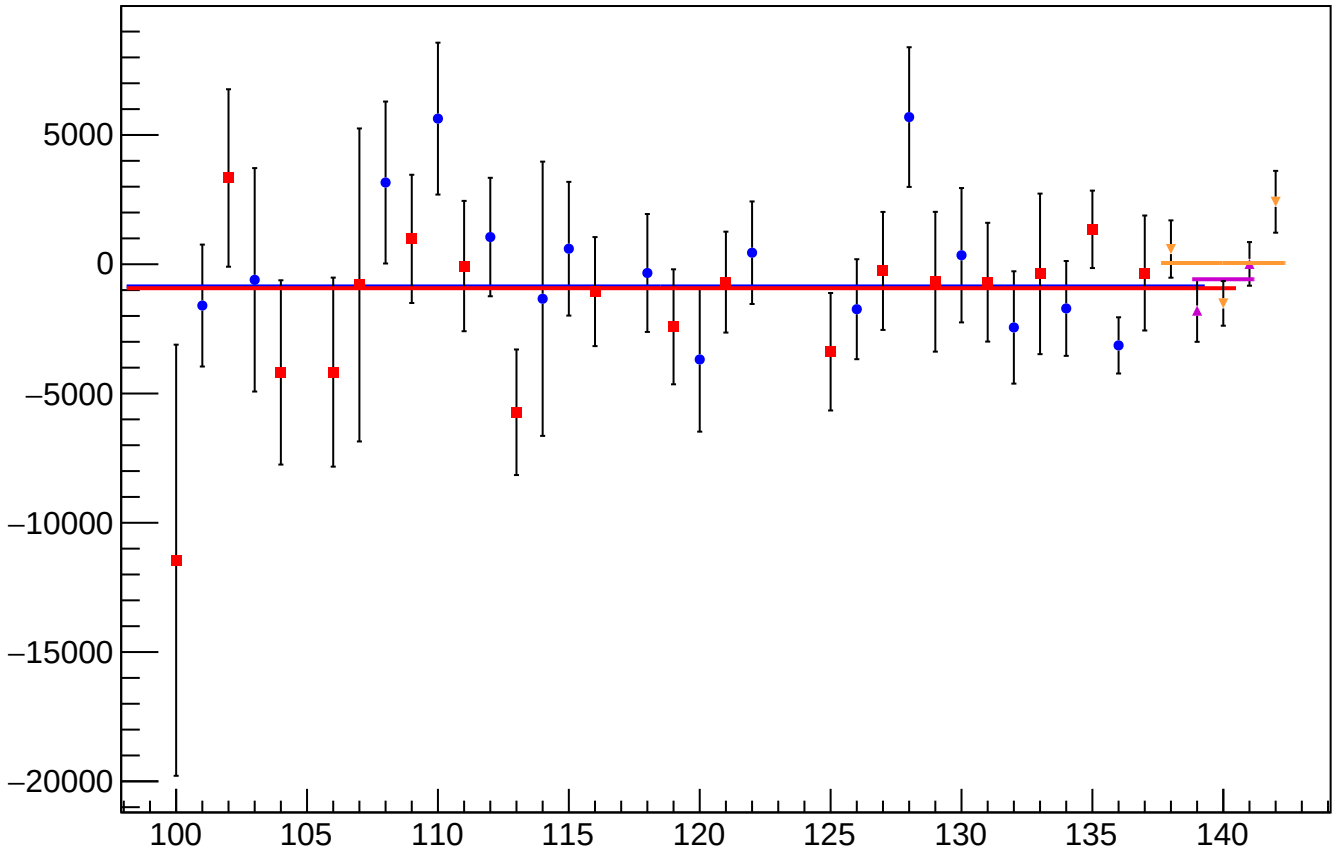
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1729.507+/-0.929 χ^2/NDF:21.2/1

+ sign 1829.402+/-0.432 χ^2/NDF: 692803.1/18

All: 1843.211+/-0.309 χ^2/NDF: 978737.9/38

- sign 1857.739+/-0.443 χ^2/NDF: 283839.1/19



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 48.037+/-591.911 χ^2/NDF:7.4/2

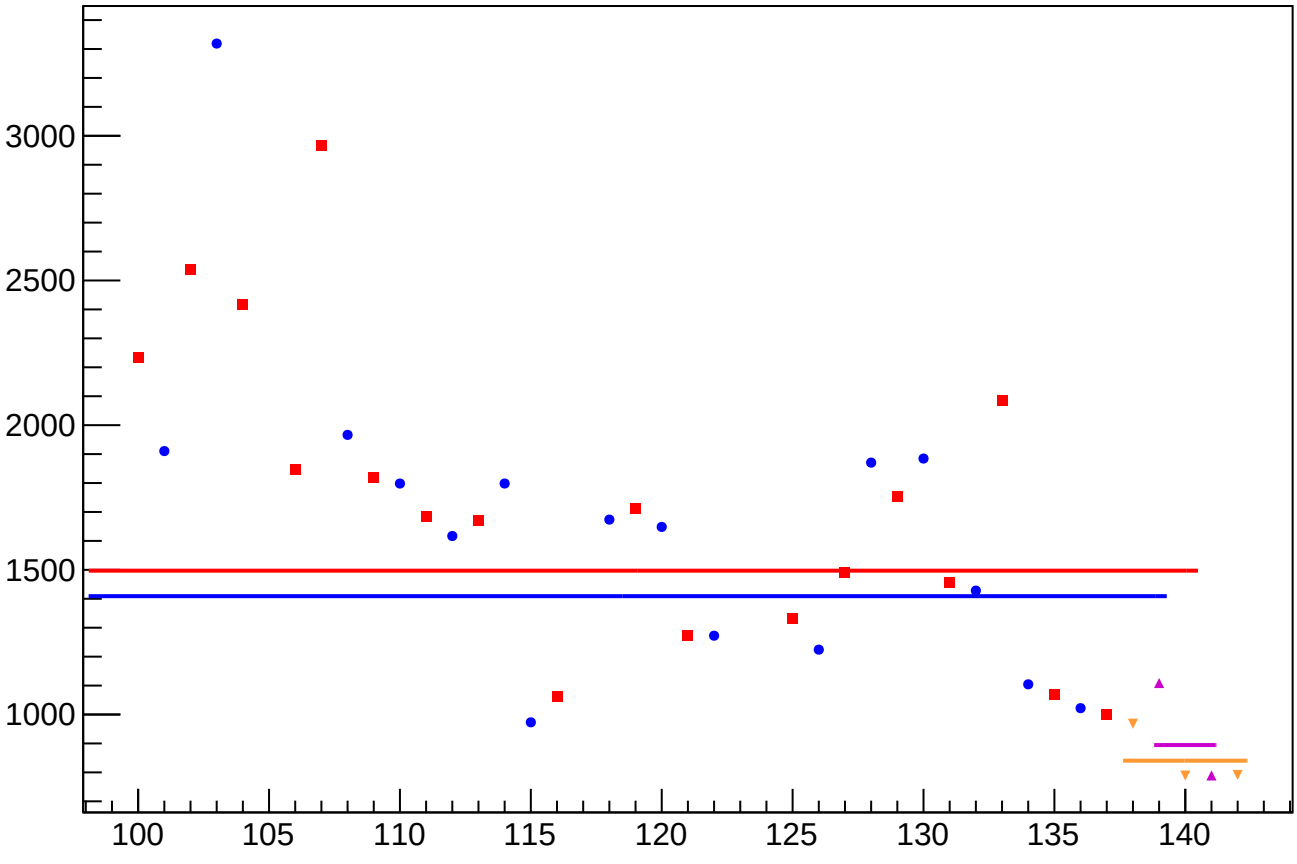
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -580.715+/-691.350 χ^2/NDF:1.5/1

+ sign -438.458+/-402.812 χ^2/NDF: 29.3/18

All: -592.889+/-299.095 χ^2/NDF: 44.8/38

- sign -782.656+/-446.527 χ^2/NDF: 15.2/19



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 840.475+/-0.419 χ^2/NDF:37055.8/2

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

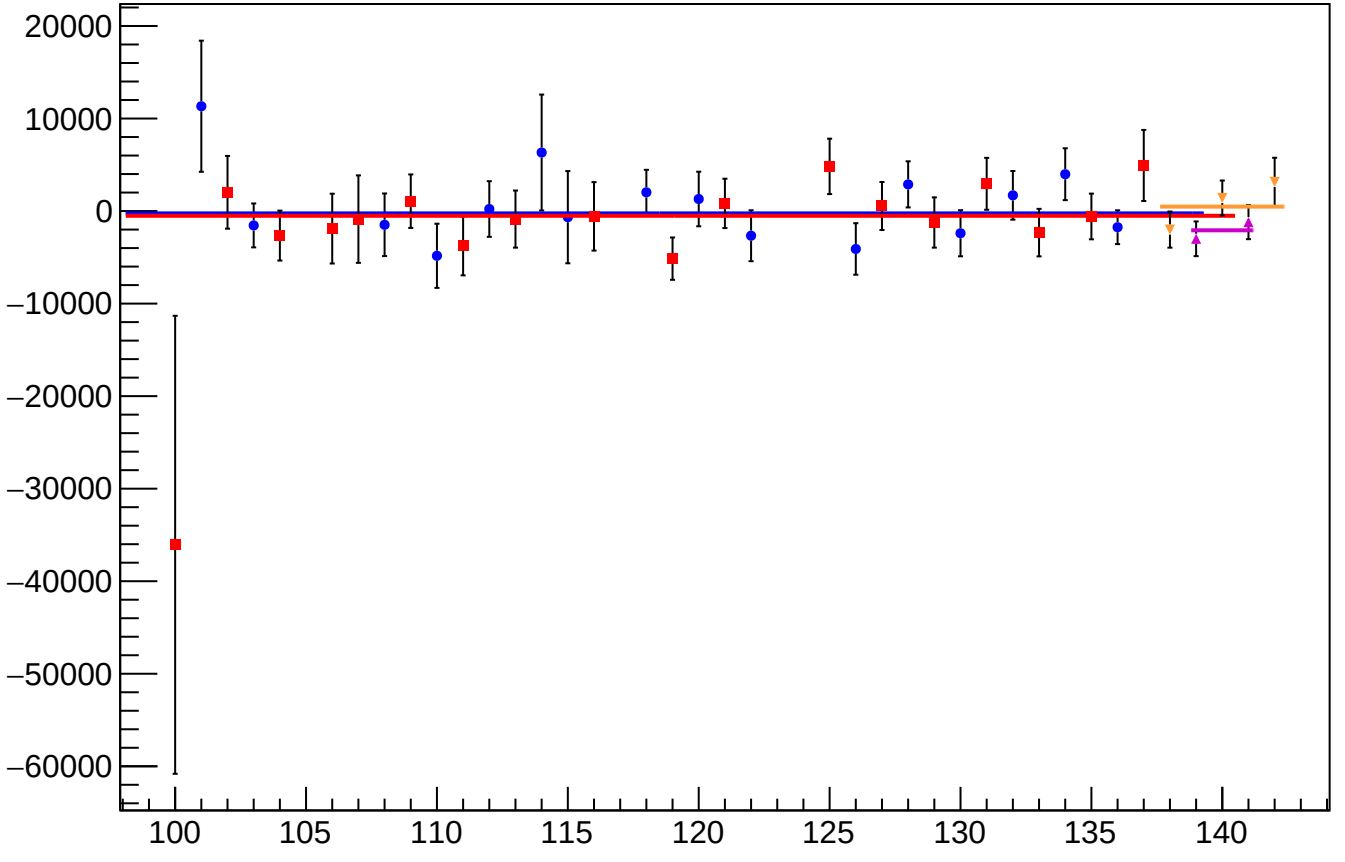
Left In: 894.436+/-0.489 χ^2/NDF:94180.9/1

+ sign 1145.715+/-0.285 χ^2/NDF: 2194775.3/18

All: 1190.585+/-0.211 χ^2/NDF: 4248335.6/38

- sign 1245.723+/-0.316 χ^2/NDF: 1998247.8/19

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 481.033+/-1204.181 χ^2/NDF:2.9/2

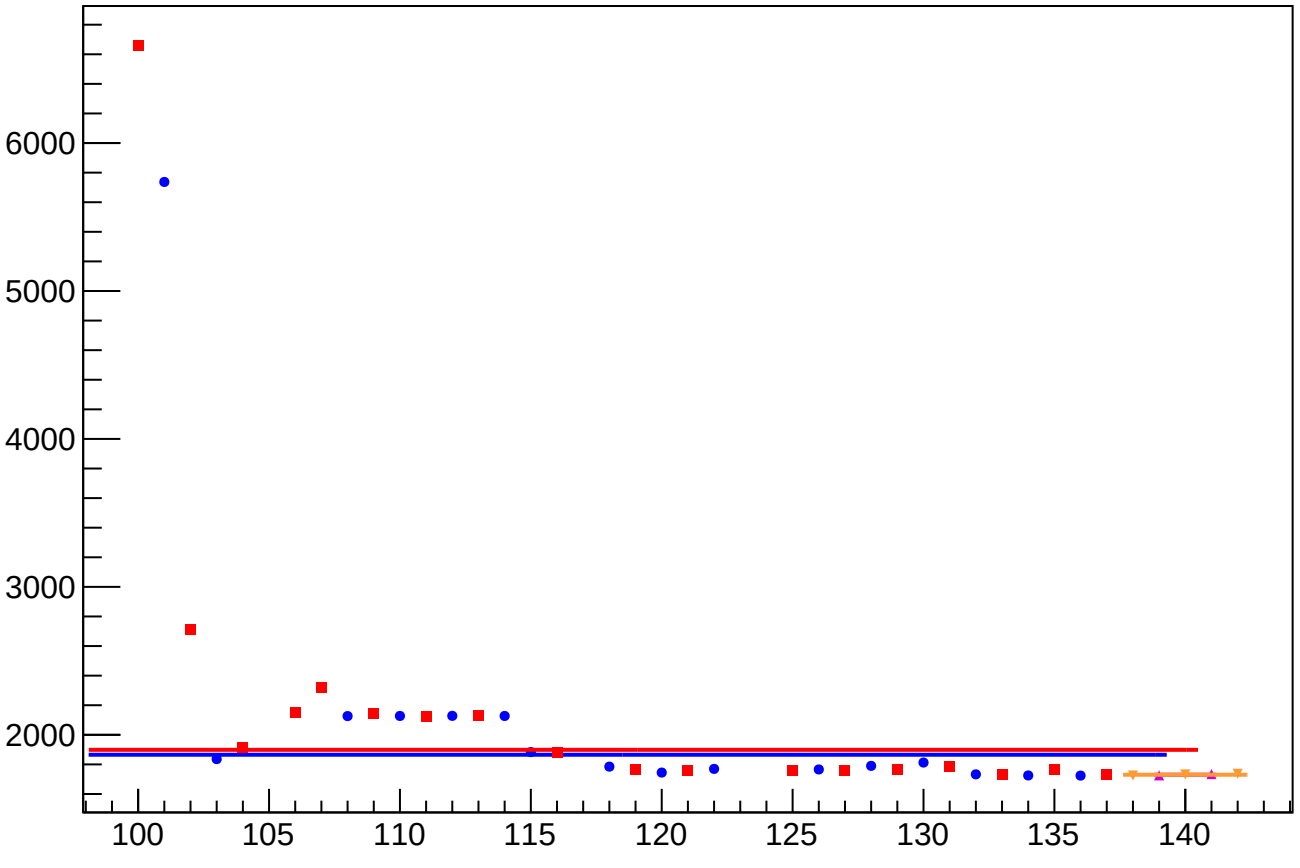
Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: -2079.112+/-1314.862 χ^2/NDF:0.5/1

+ sign -62.933+/-611.587 χ^2/NDF: 18.8/18

All: -454.788+/-438.293 χ^2/NDF: 37.6/38

- sign -868.529+/-628.436 χ^2/NDF: 18.0/19



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1730.168+/-0.851 χ^2/NDF:29.7/2

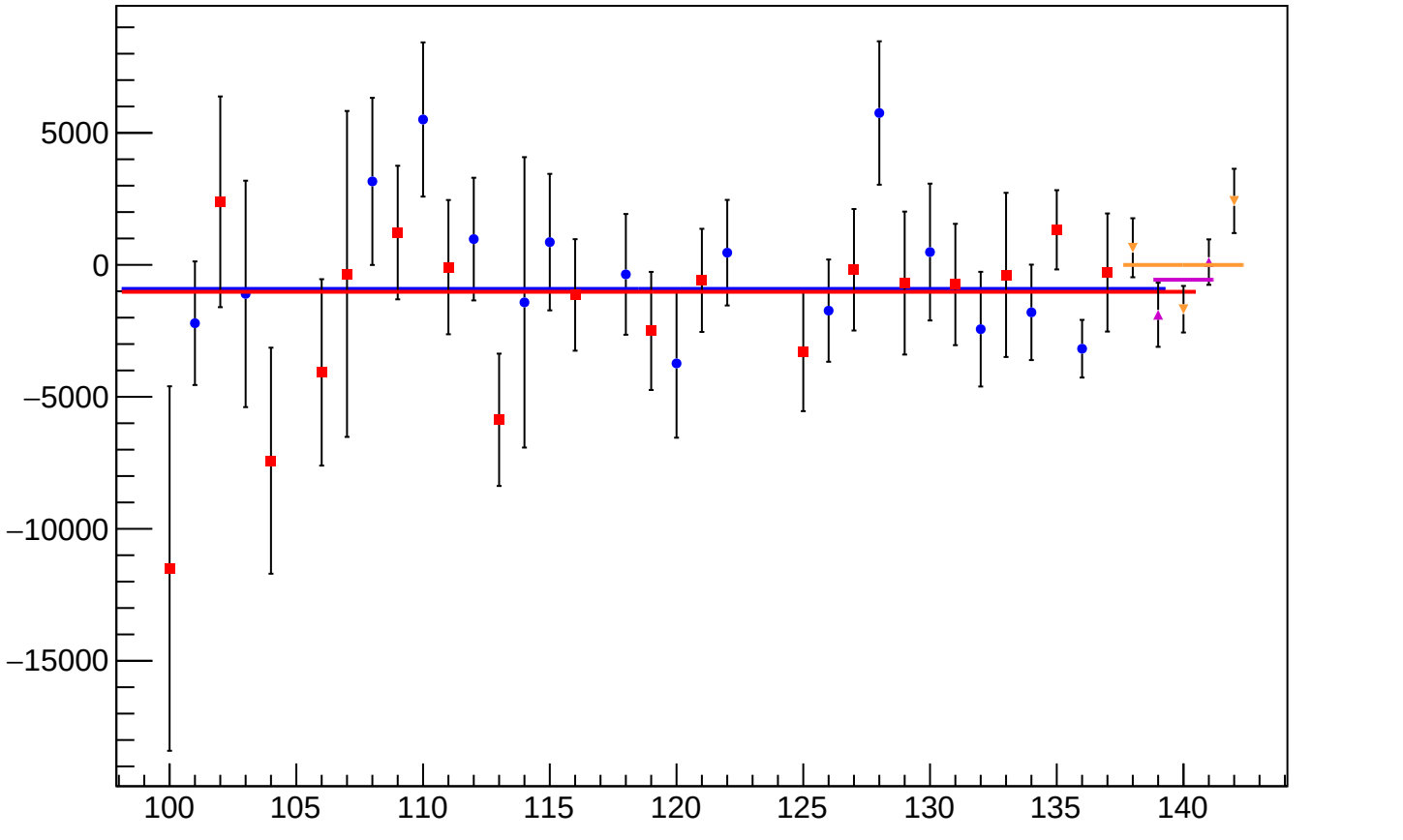
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1730.333+/-0.930 χ^2/NDF:20.8/1

+ sign 1830.547+/-0.432 χ^2/NDF: 693747.4/18

All: 1844.953+/-0.310 χ^2/NDF: 990432.8/38

- sign 1860.164+/-0.444 χ^2/NDF: 294403.9/19



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -2.792+/-601.933 χ^2/NDF:7.9/2

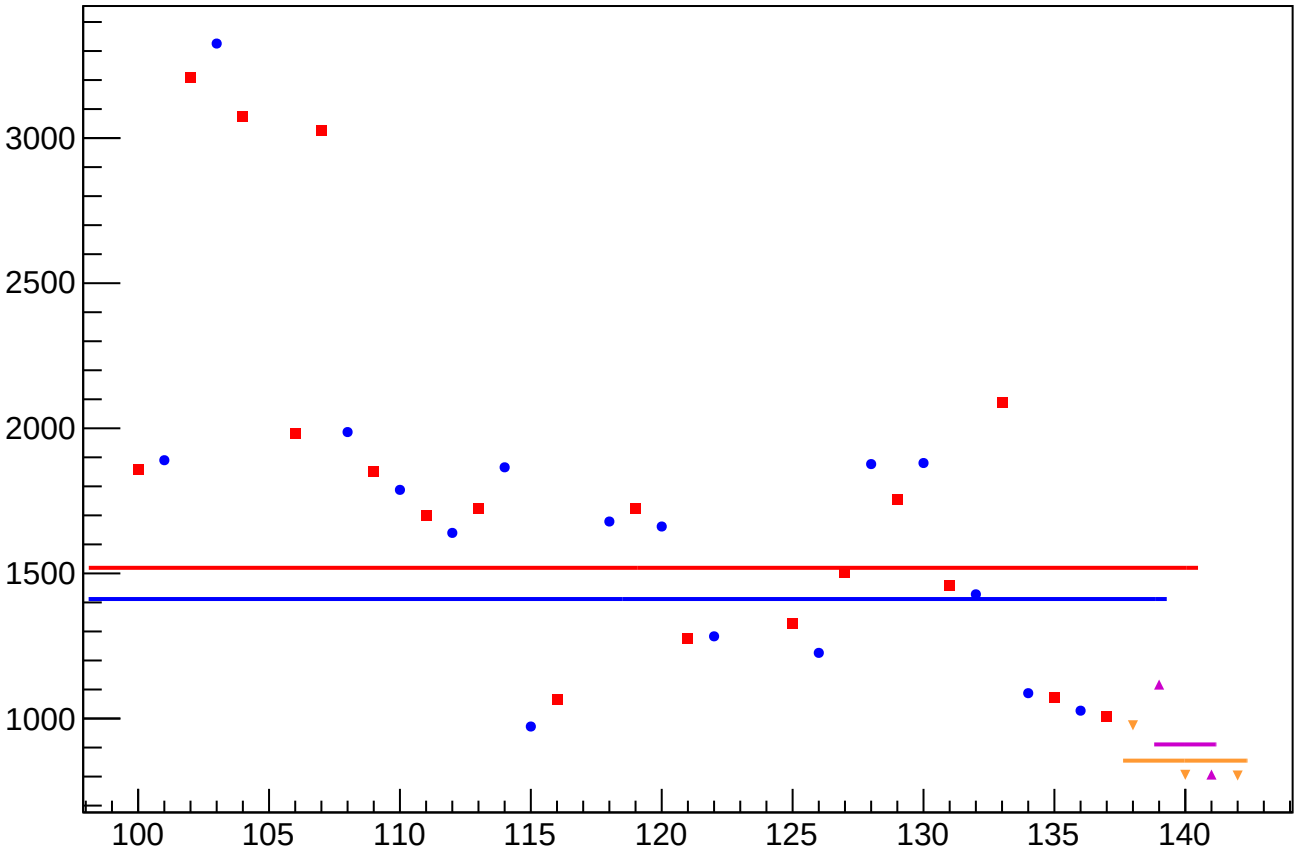
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -563.490+/-702.842 χ^2/NDF:1.8/1

+ sign -497.049+/-406.366 χ^2/NDF: 30.1/18

All: -645.993+/-302.375 χ^2/NDF: 47.4/38

- sign -830.761+/-452.606 χ^2/NDF: 17.0/19



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 854.902+/-0.426 χ^2/NDF:33425.5/2

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

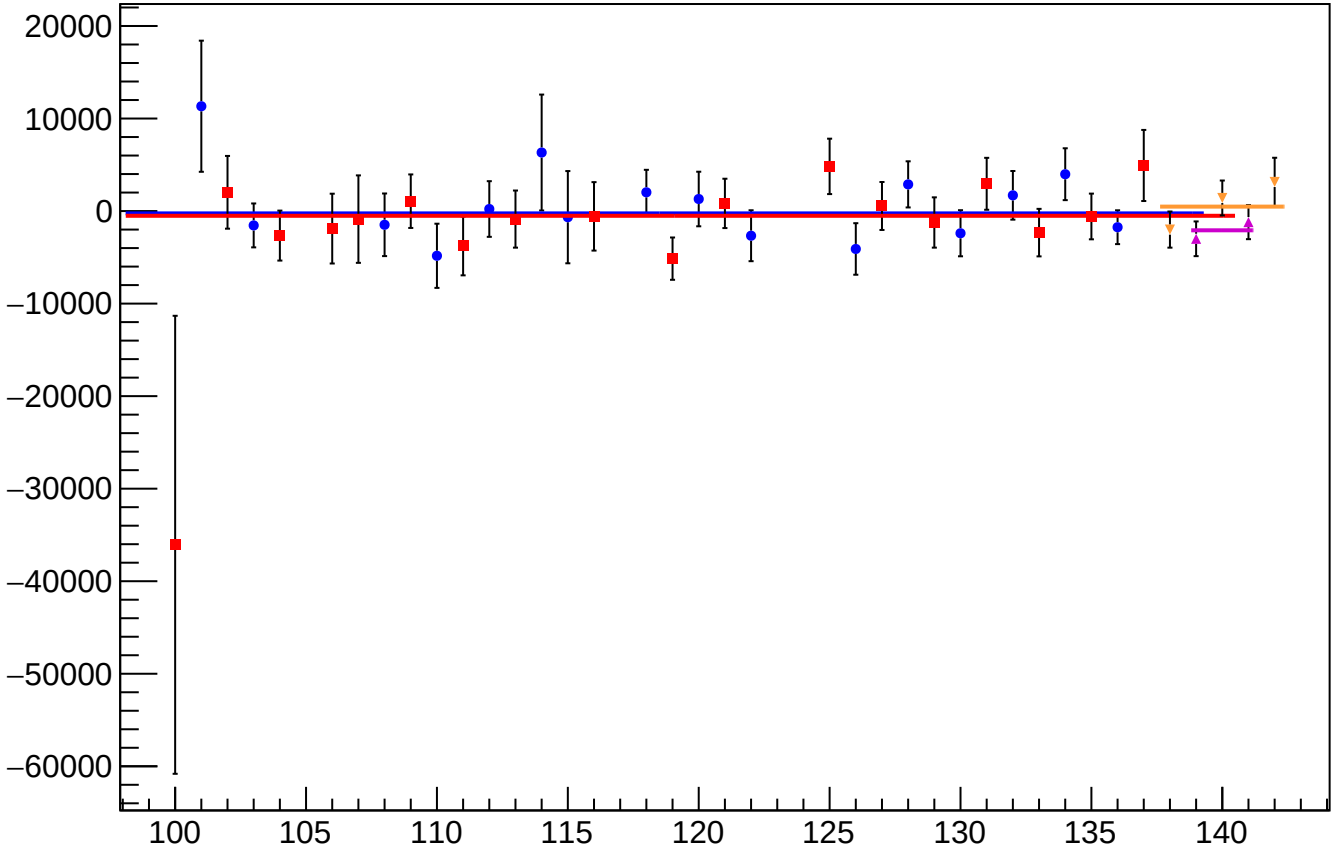
Left In: 910.754+/-0.497 χ^2/NDF:86689.7/1

+ sign 1157.959+/-0.287 χ^2/NDF: 2142691.4/18

All: 1206.602+/-0.214 χ^2/NDF: 4531326.5/38

- sign 1266.944+/-0.320 χ^2/NDF: 2324429.3/19

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: 481.034+/-1204.181 χ^2/NDF:2.9/2

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

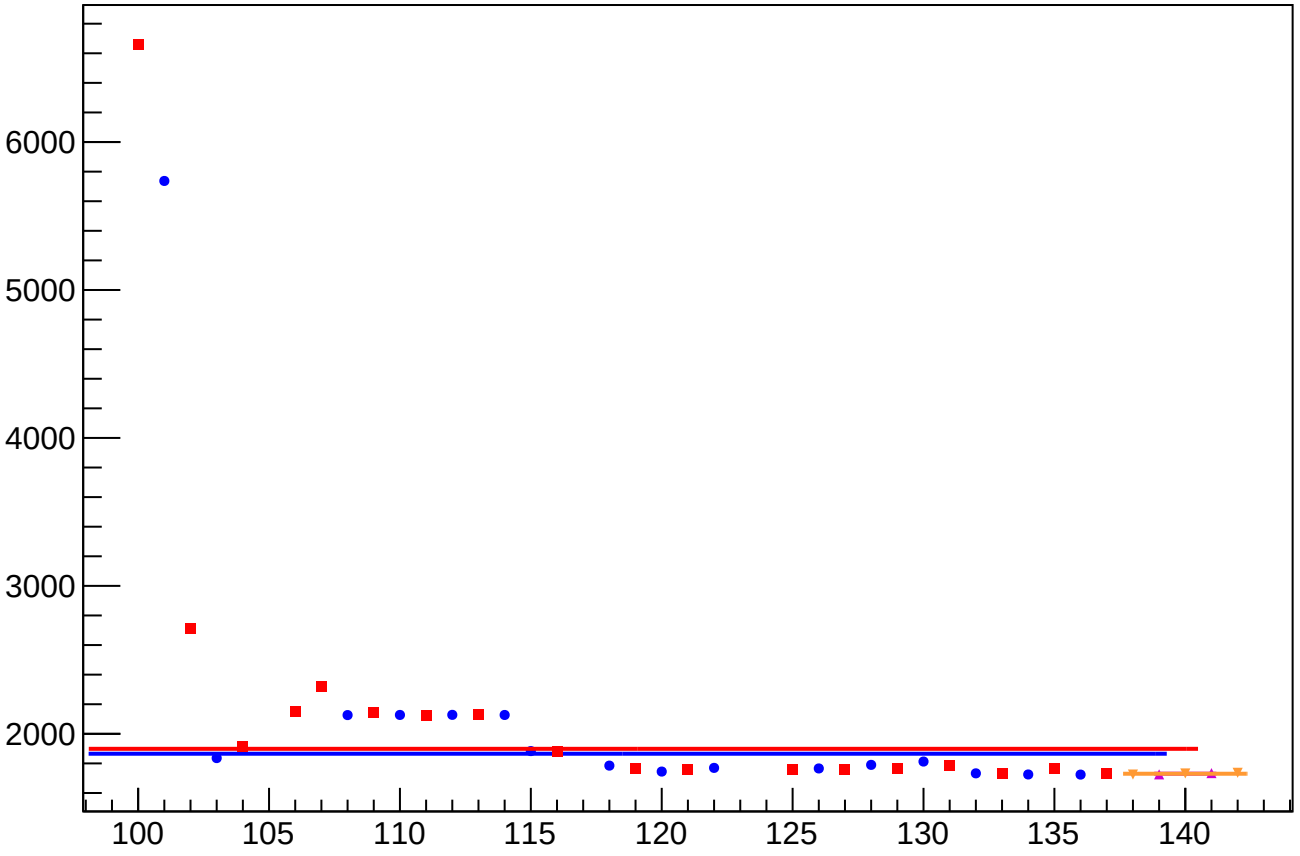
Left In: -2079.117+/-1314.862 χ^2/NDF:0.5/1

+ sign -62.932+/-611.587 χ^2/NDF: 18.8/18

All: -454.787+/-438.293 χ^2/NDF: 37.6/38

- sign -868.530+/-628.436 χ^2/NDF: 18.0/19

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: 1730.168+/-0.851 χ^2/NDF:29.7/2

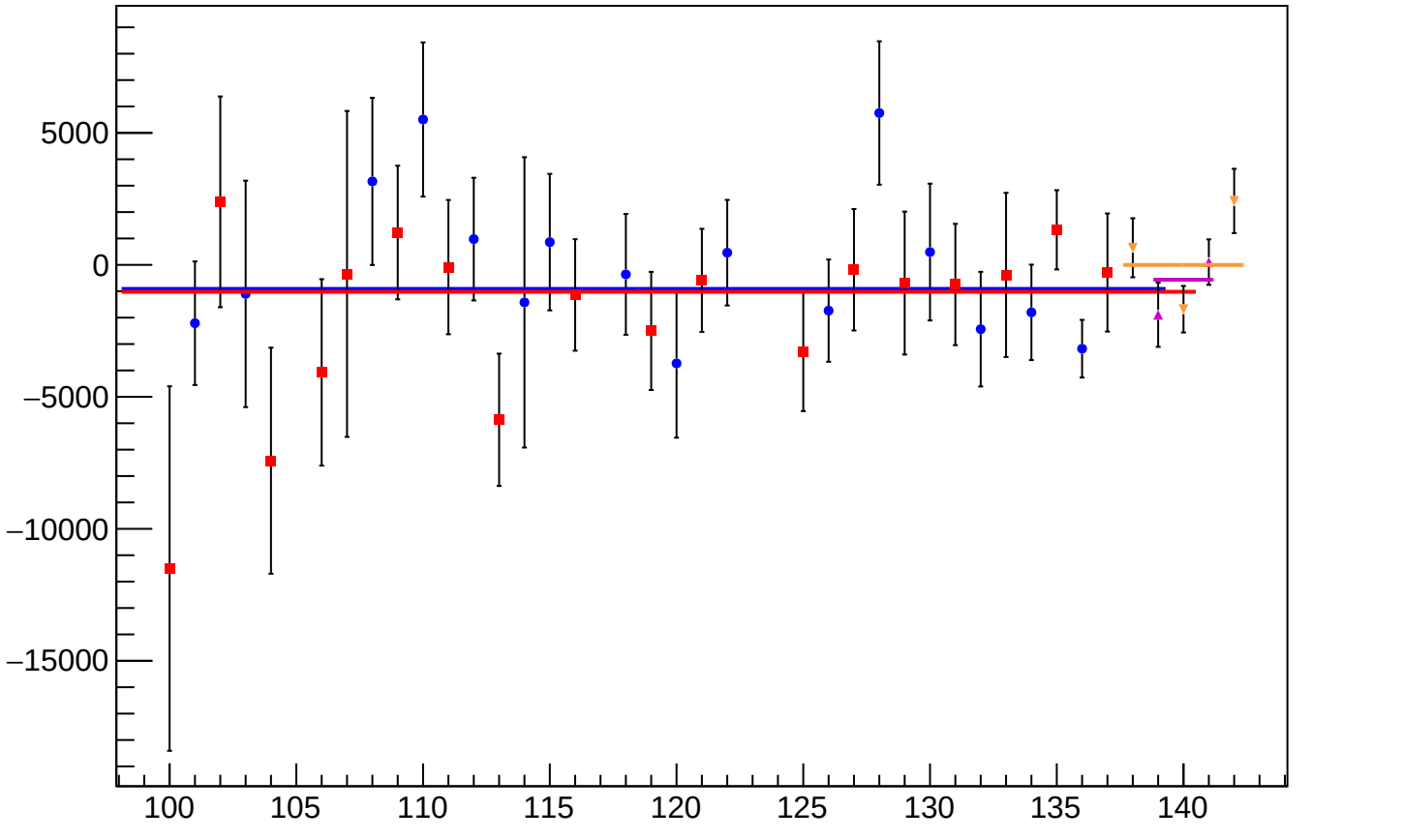
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1730.333+/-0.930 χ^2/NDF:20.8/1

+ sign 1830.547+/-0.432 χ^2/NDF: 693747.3/18

All: 1844.953+/-0.310 χ^2/NDF: 990432.5/38

- sign 1860.164+/-0.444 χ^2/NDF: 294403.7/19



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -2.797+/-601.933 χ^2/NDF:7.9/2

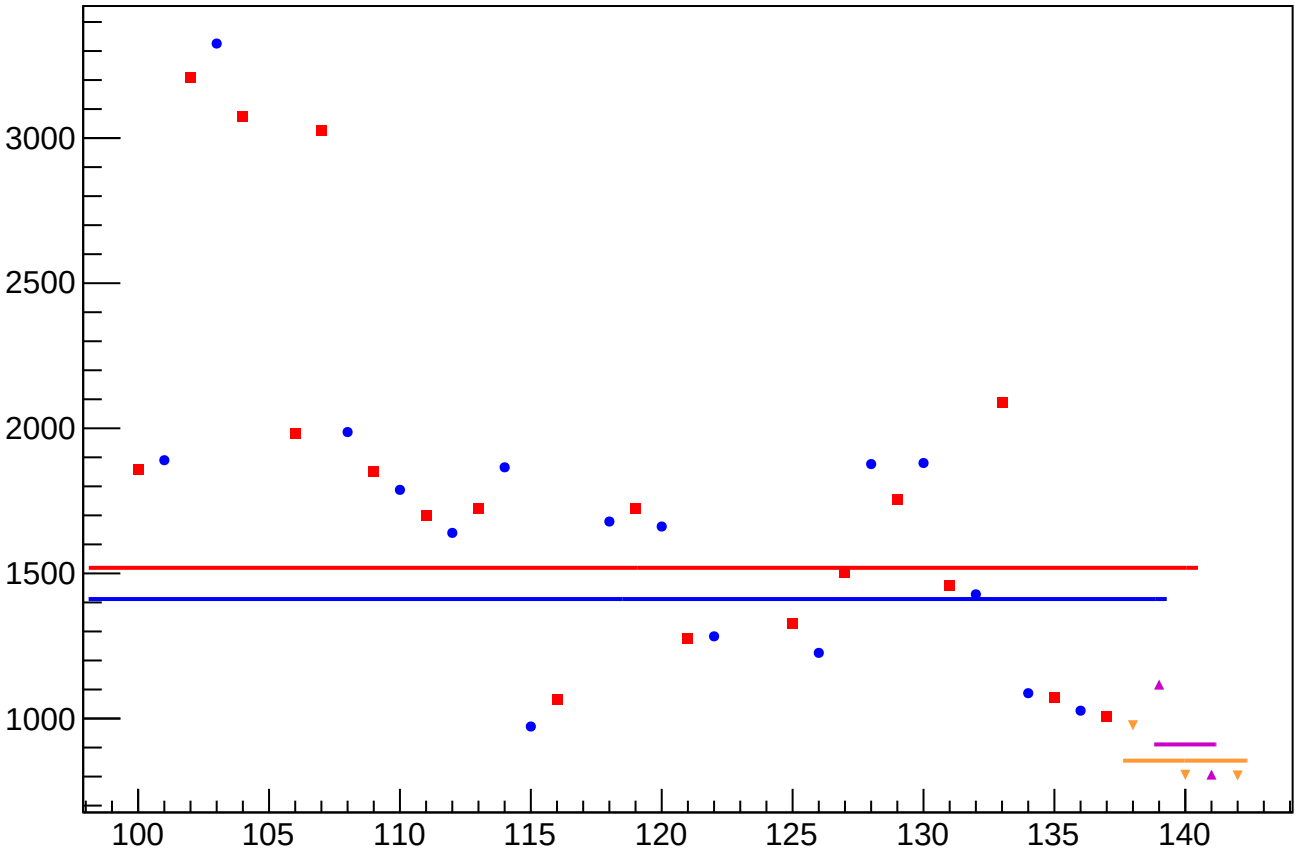
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -563.487+/-702.841 χ^2/NDF:1.8/1

+ sign -497.049+/-406.365 χ^2/NDF: 30.1/18

All: -645.992+/-302.374 χ^2/NDF: 47.4/38

- sign -830.760+/-452.606 χ^2/NDF: 17.0/19



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 854.902+/-0.426 χ^2/NDF:33427.2/2

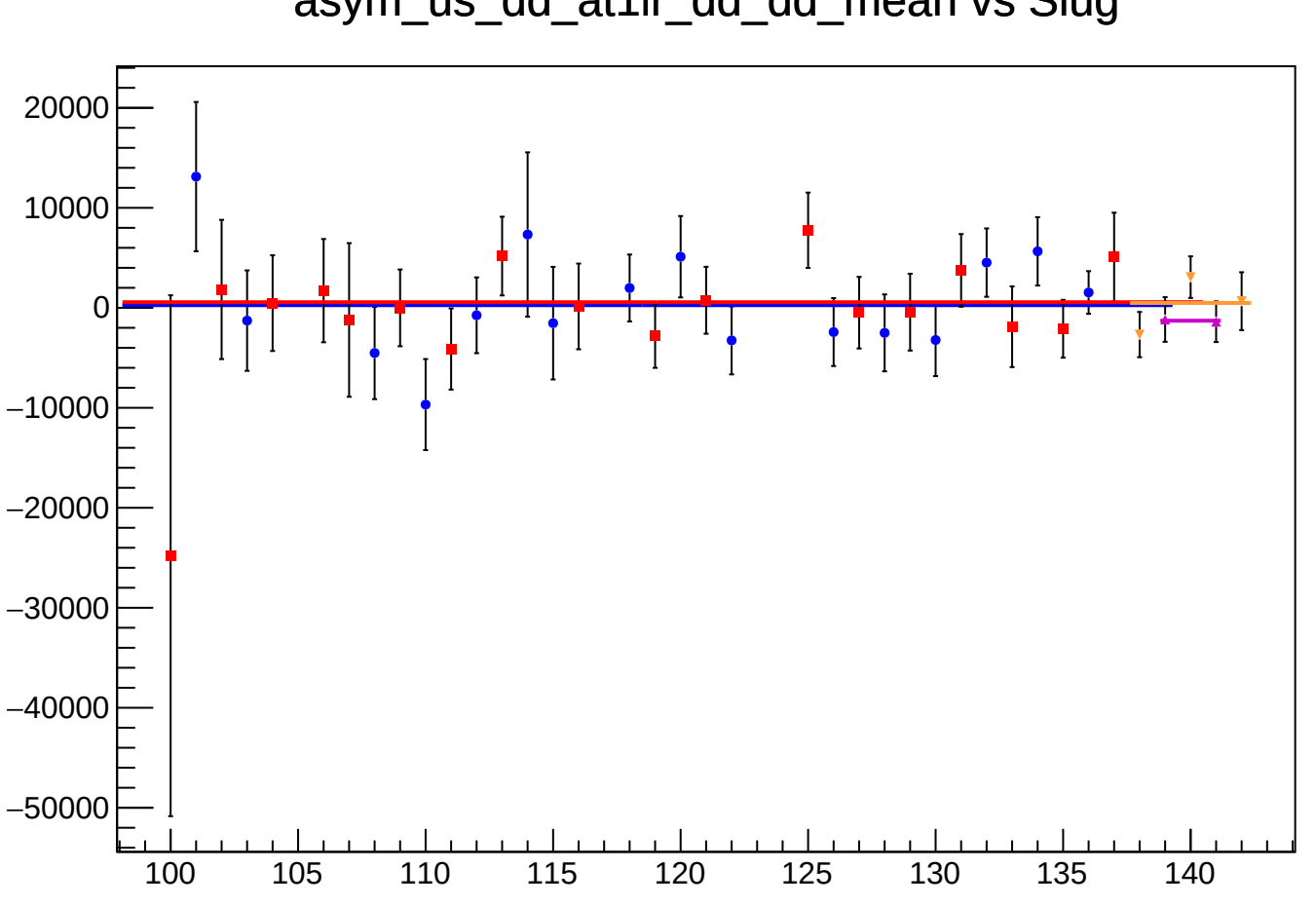
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 910.752+/-0.497 χ^2/NDF:86693.3/1

+ sign 1157.958+/-0.287 χ^2/NDF: 2142688.2/18

All: 1206.600+/-0.214 χ^2/NDF: 4531329.6/38

- sign 1266.942+/-0.320 χ^2/NDF: 2324435.6/19



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 486.863+/-1353.238 χ^2/NDF:3.5/2

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

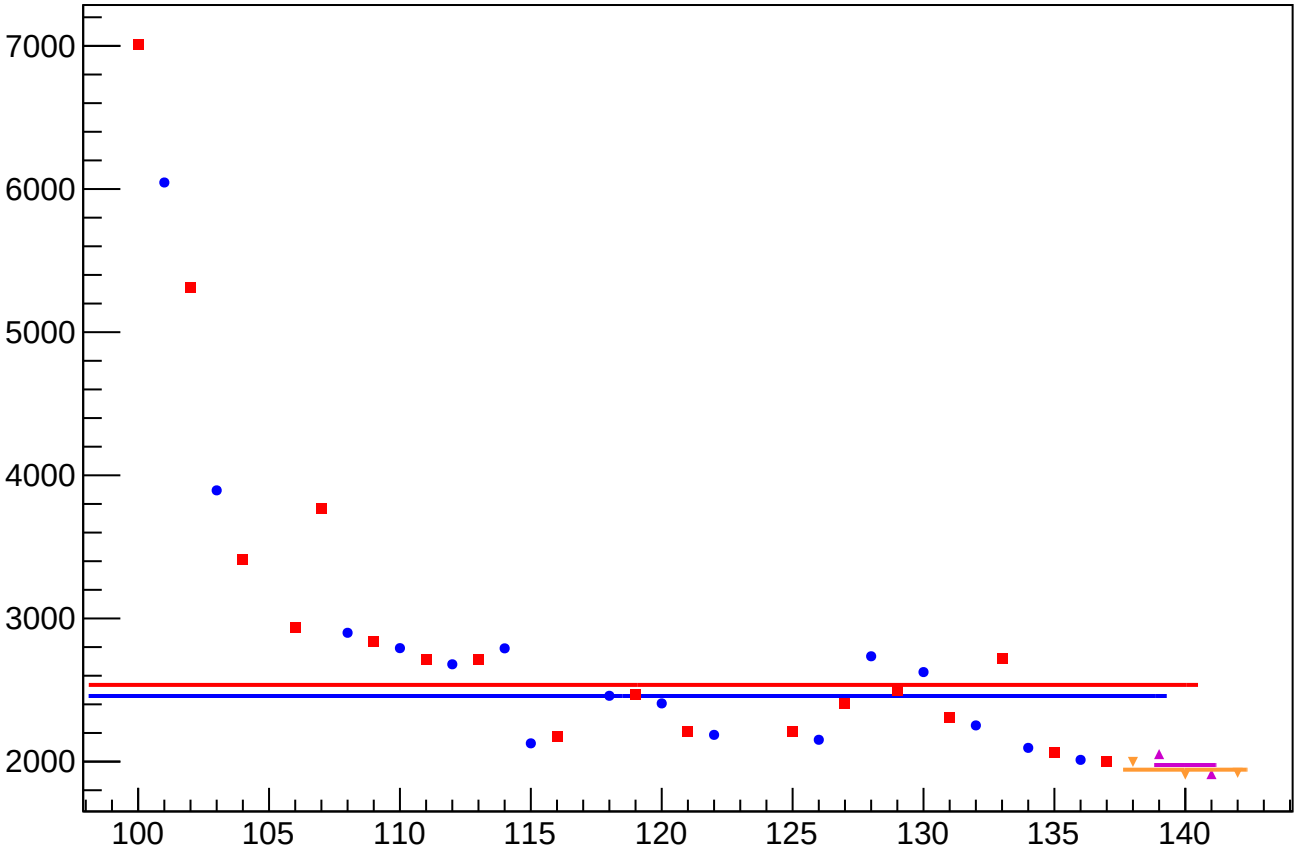
Left In: -1288.806+/-1502.780 χ^2/NDF:0.0/1

+ sign 336.999+/-773.116 χ^2/NDF: 22.5/18

All: 187.240+/-559.515 χ^2/NDF: 35.5/38

- sign 22.536+/-810.774 χ^2/NDF: 12.8/19

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1943.604+/-0.957 χ^2/NDF:1811.4/2

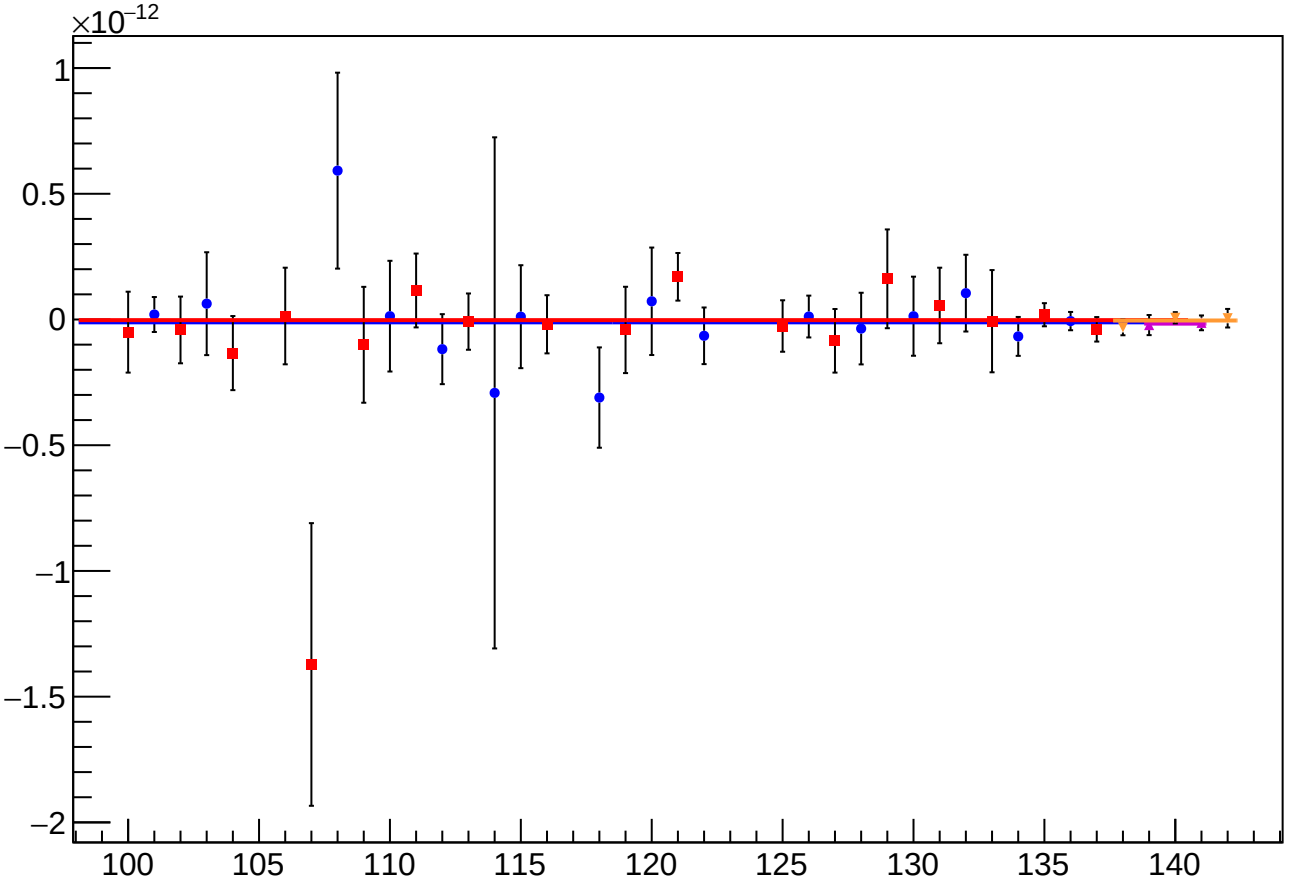
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1976.203+/-1.063 χ^2/NDF:4286.6/1

+ sign 2290.328+/-0.547 χ^2/NDF: 1029613.9/18

All: 2329.653+/-0.396 χ^2/NDF: 1914693.4/38

- sign 2372.902+/-0.573 χ^2/NDF: 874213.9/19



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.1/2

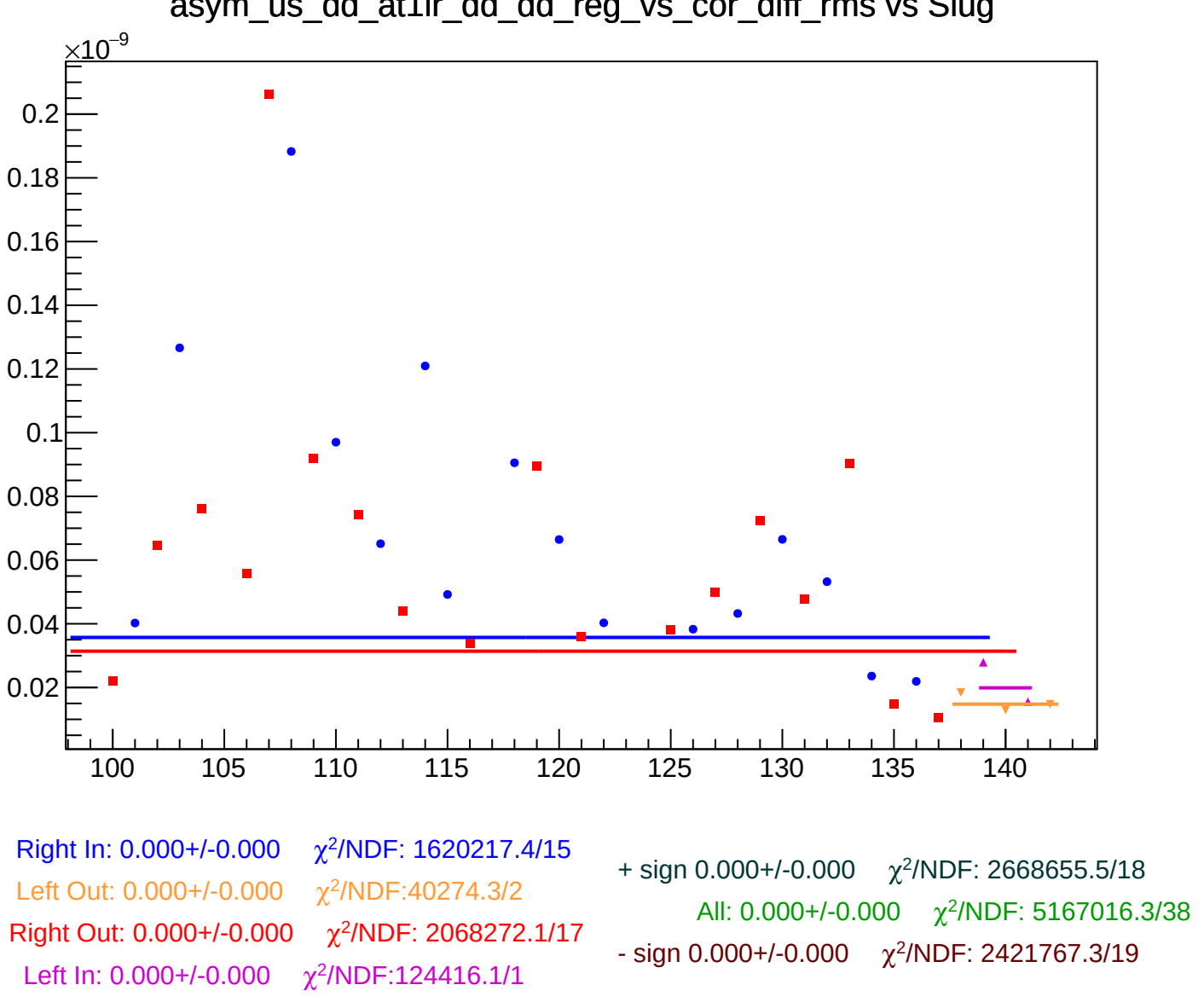
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

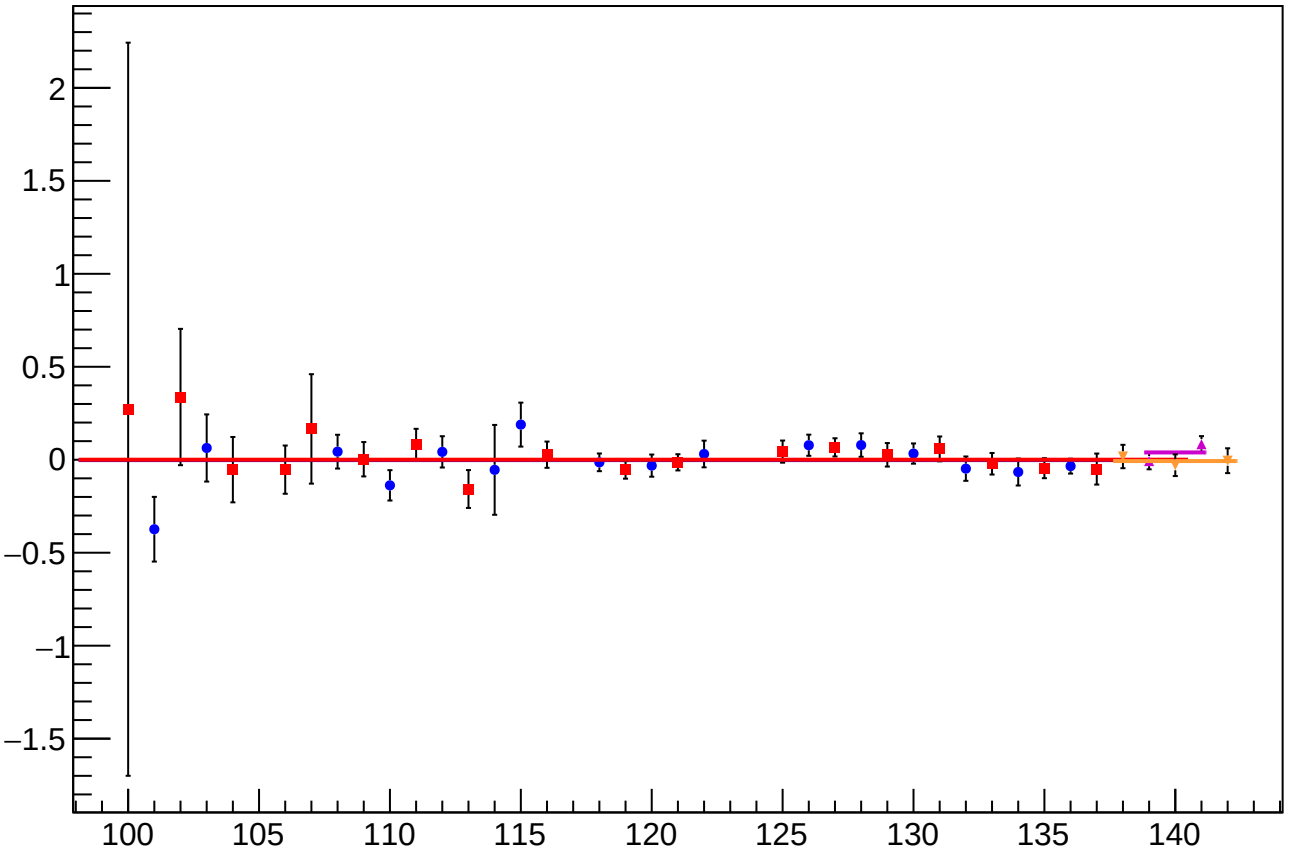
Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 8.4/18

All: -0.000+/-0.000 χ^2/NDF: 21.9/38

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


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:40274.3/2
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:124416.1/1
+ sign 0.000+/-0.000 χ²/NDF: 2668655.5/18
All: 0.000+/-0.000 χ²/NDF: 5167016.3/38
- sign 0.000+/-0.000 χ²/NDF: 2421767.3/19



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.036 χ^2/NDF:0.3/2

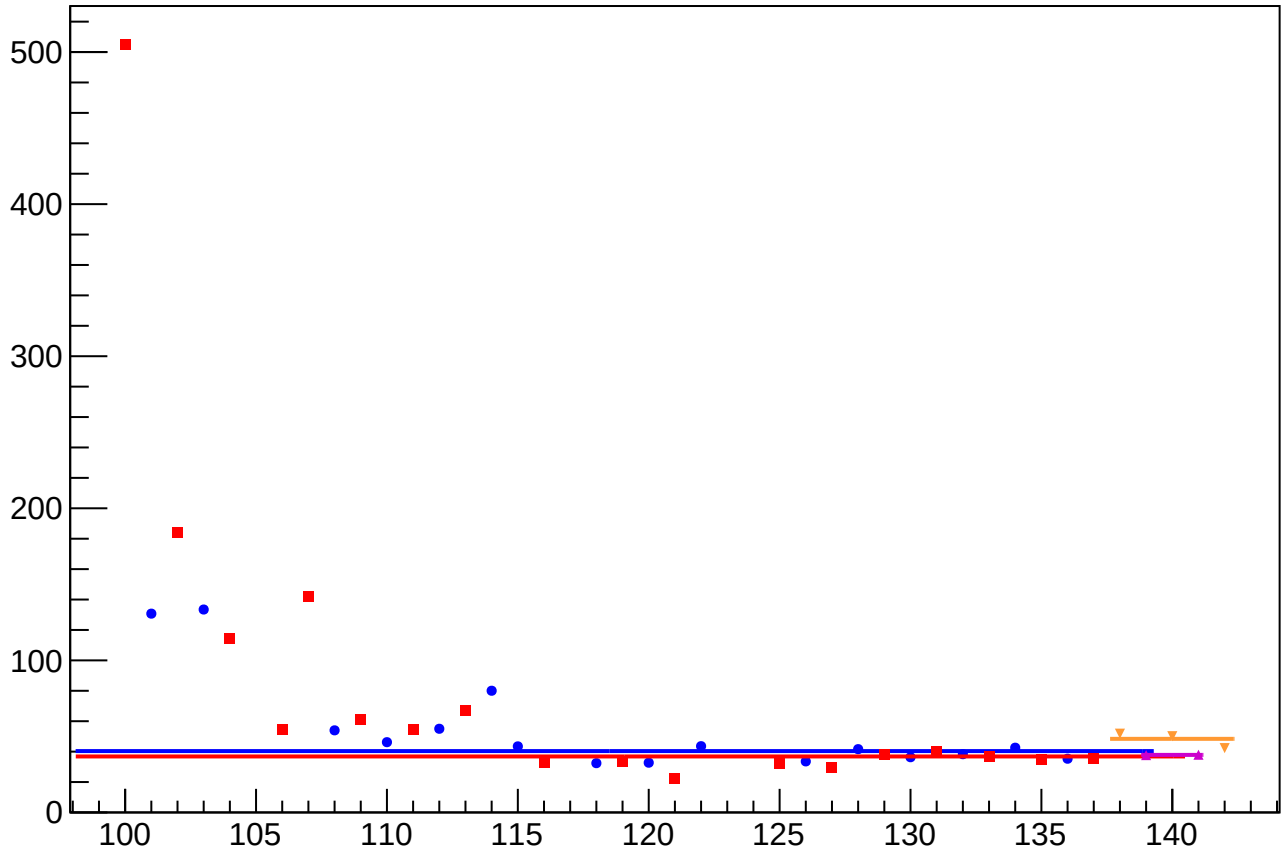
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.039+/-0.031 χ^2/NDF:2.1/1

+ sign -0.003+/-0.015 χ^2/NDF: 17.4/18

All: 0.003+/-0.011 χ^2/NDF: 32.0/38

- sign 0.009+/-0.015 χ^2/NDF: 14.3/19



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 48.403+/-0.025 χ^2/NDF:24255.6/2

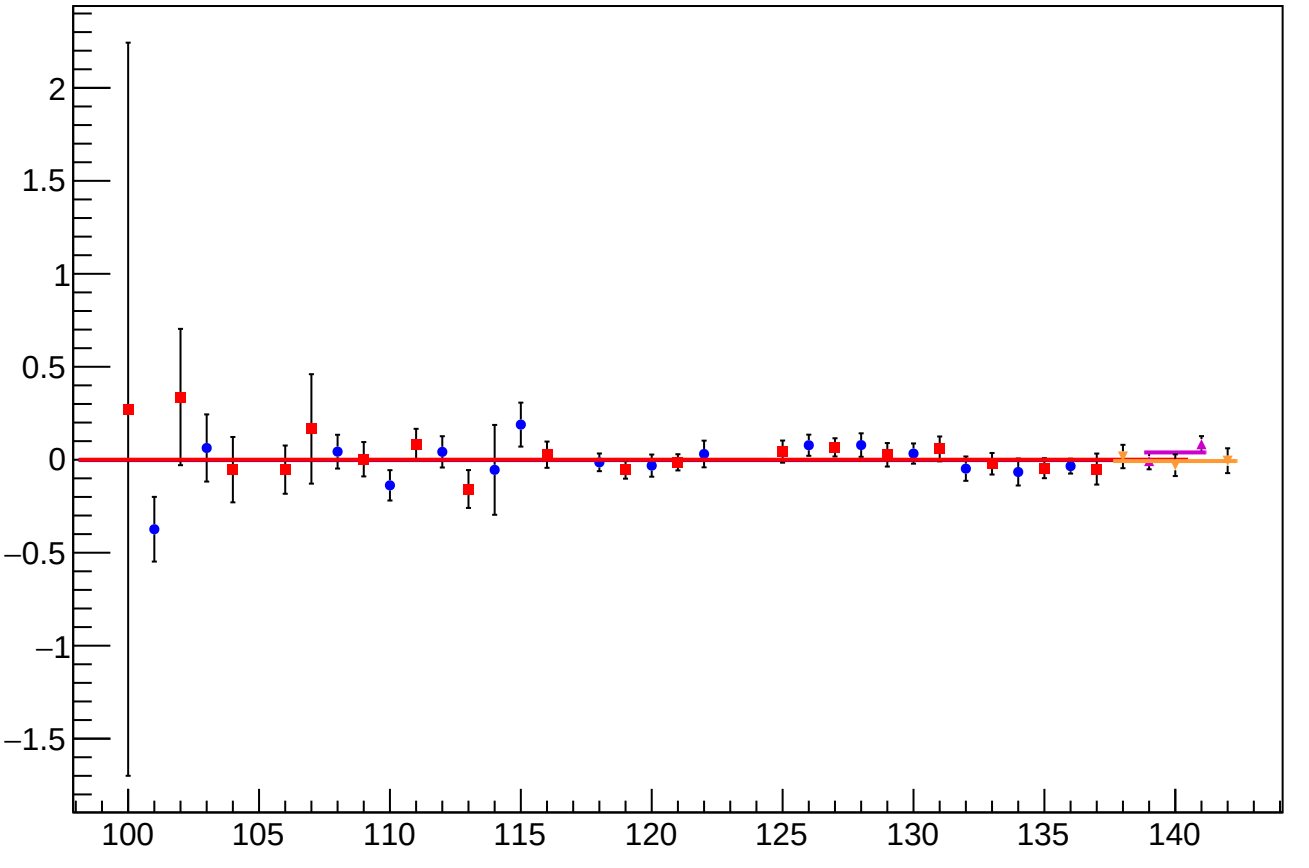
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.845+/-0.022 χ^2/NDF:31.7/1

+ sign 41.831+/-0.011 χ^2/NDF: 1516021.5/18

All: 39.323+/-0.008 χ^2/NDF: 3455460.8/38

- sign 37.053+/-0.010 χ^2/NDF: 1838833.9/19



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.036 χ^2/NDF:0.3/2

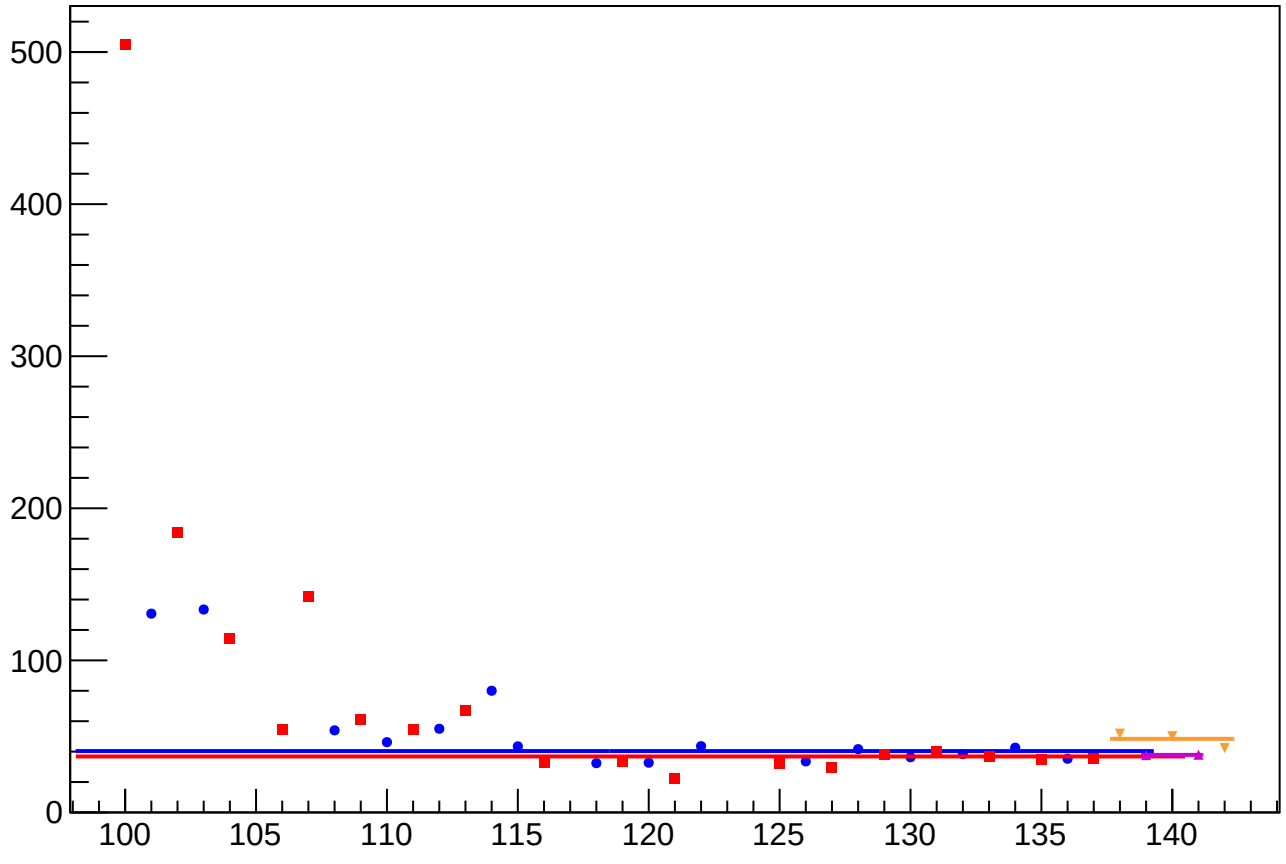
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.039+/-0.031 χ^2/NDF:2.1/1

+ sign -0.003+/-0.015 χ^2/NDF: 17.4/18

All: 0.003+/-0.011 χ^2/NDF: 32.0/38

- sign 0.009+/-0.015 χ^2/NDF: 14.3/19



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 48.403+/-0.025 χ^2/NDF:24255.6/2

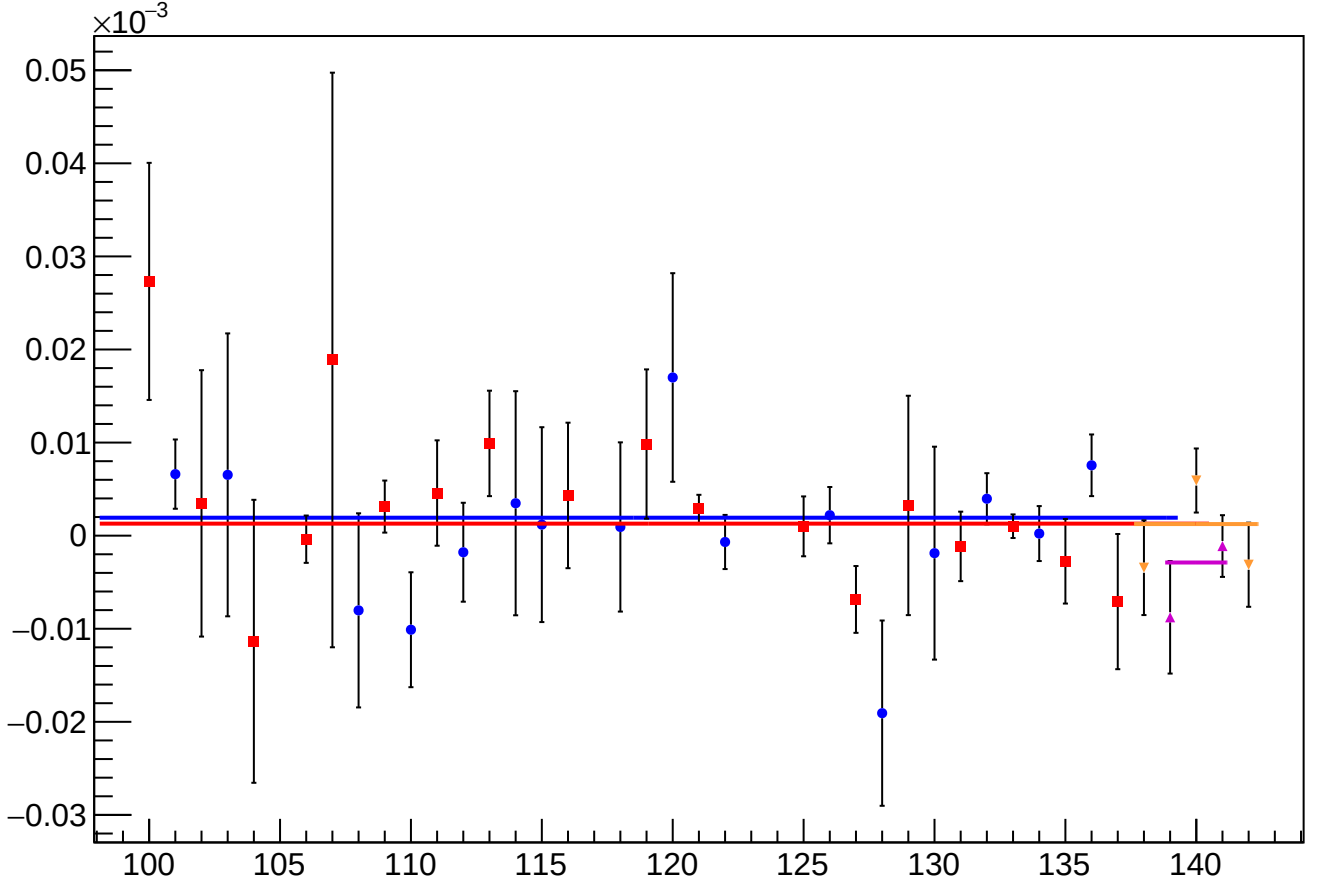
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.845+/-0.022 χ^2/NDF:31.7/1

+ sign 41.831+/-0.011 χ^2/NDF: 1516021.5/18

All: 39.323+/-0.008 χ^2/NDF: 3455460.8/38

- sign 37.053+/-0.010 χ^2/NDF: 1838833.9/19



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/2

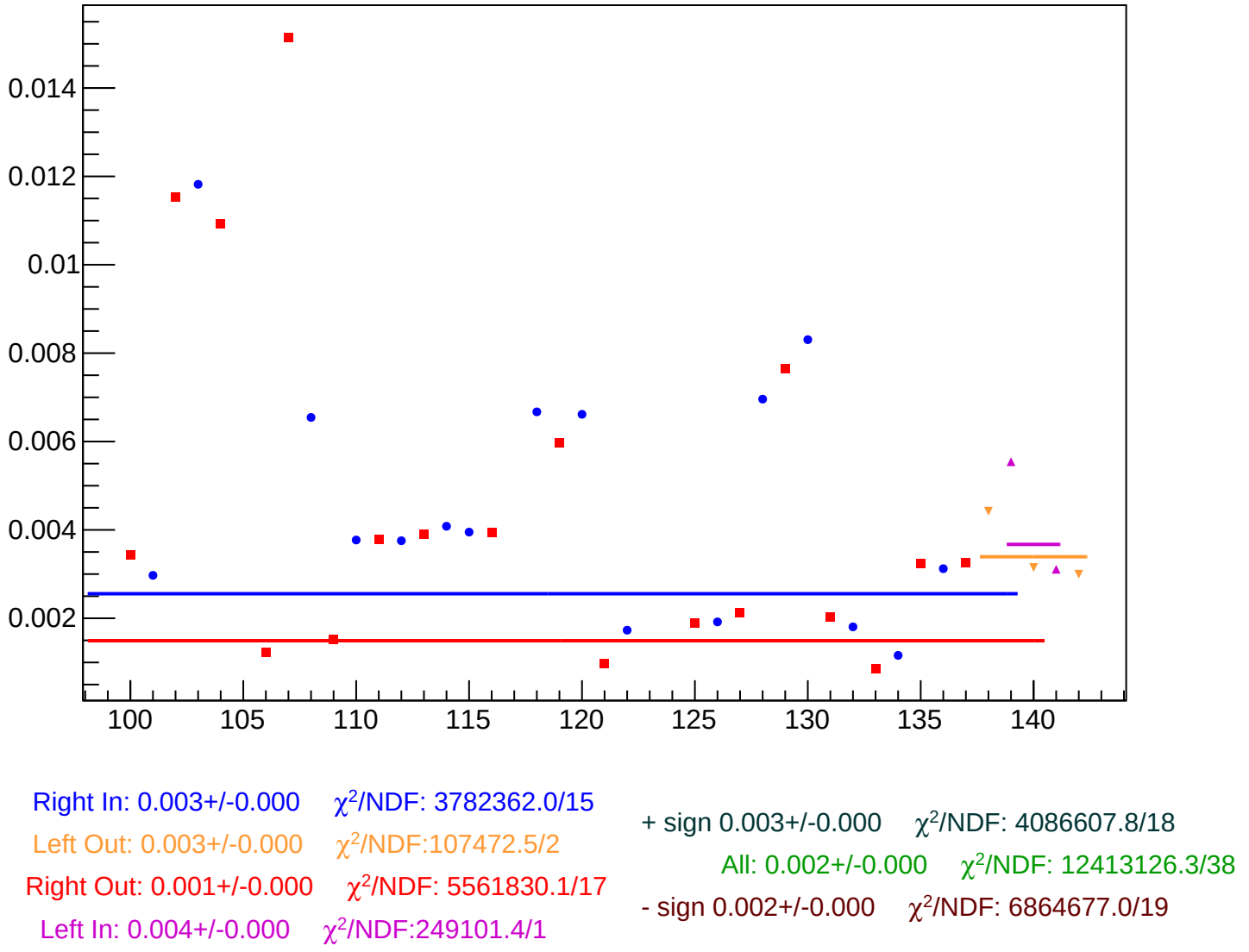
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

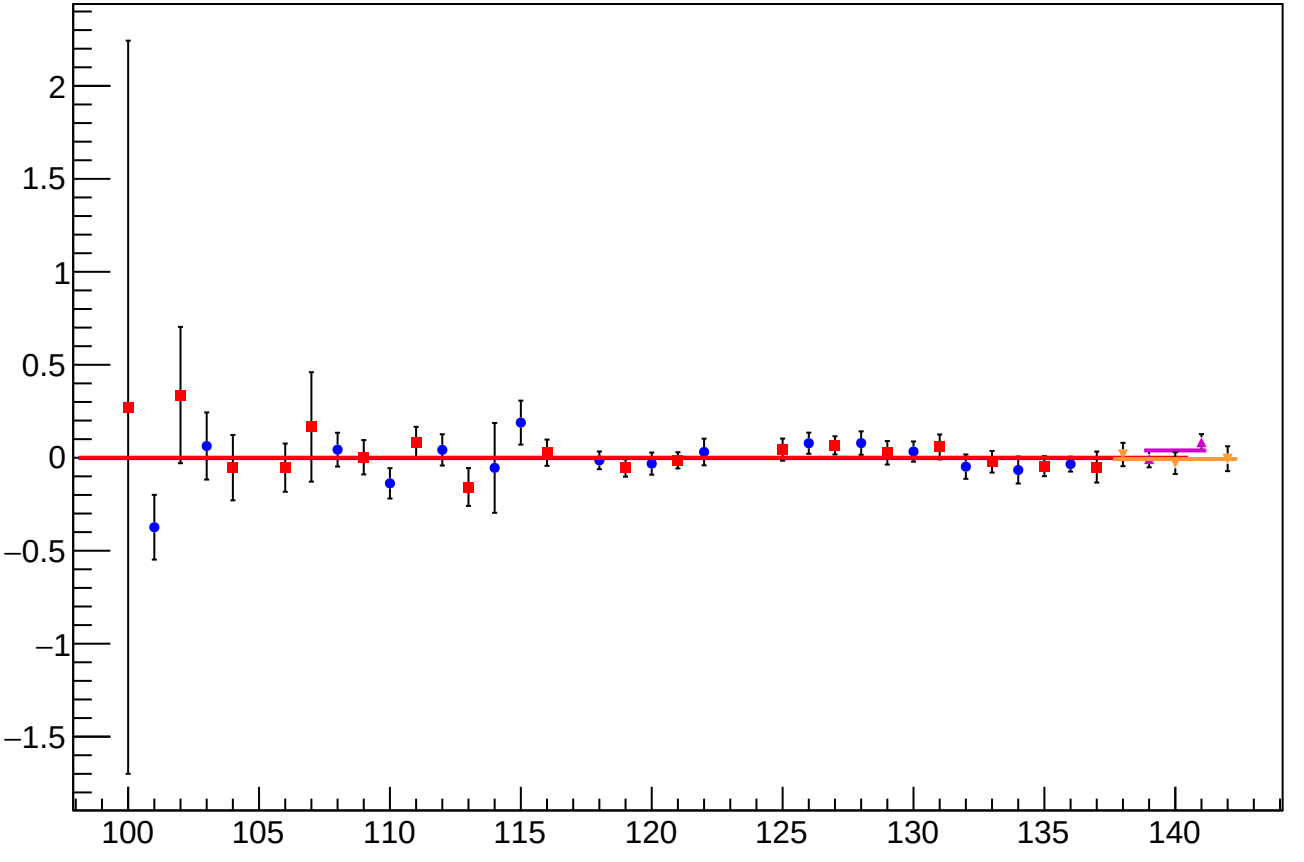
+ sign 0.000+/-0.000 χ^2/NDF: 21.6/18

All: 0.000+/-0.000 χ^2/NDF: 44.0/38

- sign 0.000+/-0.000 χ^2/NDF: 22.0/19


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
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.003+/-0.000 χ²/NDF:107472.5/2
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:249101.4/1
+ sign 0.003+/-0.000 χ²/NDF: 4086607.8/18
All: 0.002+/-0.000 χ²/NDF: 12413126.3/38
- sign 0.002+/-0.000 χ²/NDF: 6864677.0/19

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: -0.007+/-0.036 χ^2/NDF:0.3/2

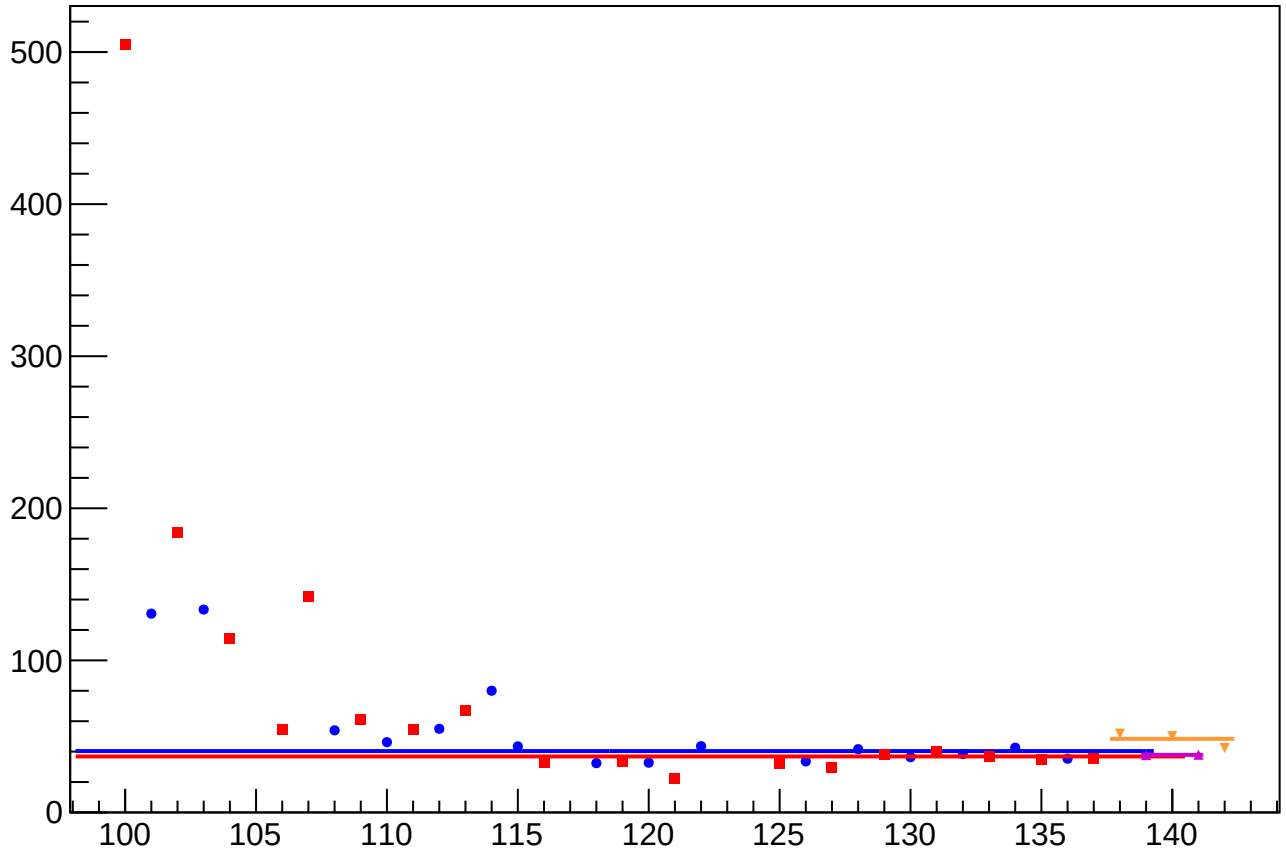
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.039+/-0.031 χ^2/NDF:2.1/1

+ sign -0.003+/-0.015 χ^2/NDF: 17.4/18

All: 0.003+/-0.011 χ^2/NDF: 32.0/38

- sign 0.009+/-0.015 χ^2/NDF: 14.3/19



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 48.403+/-0.025 χ^2/NDF:24259.1/2

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

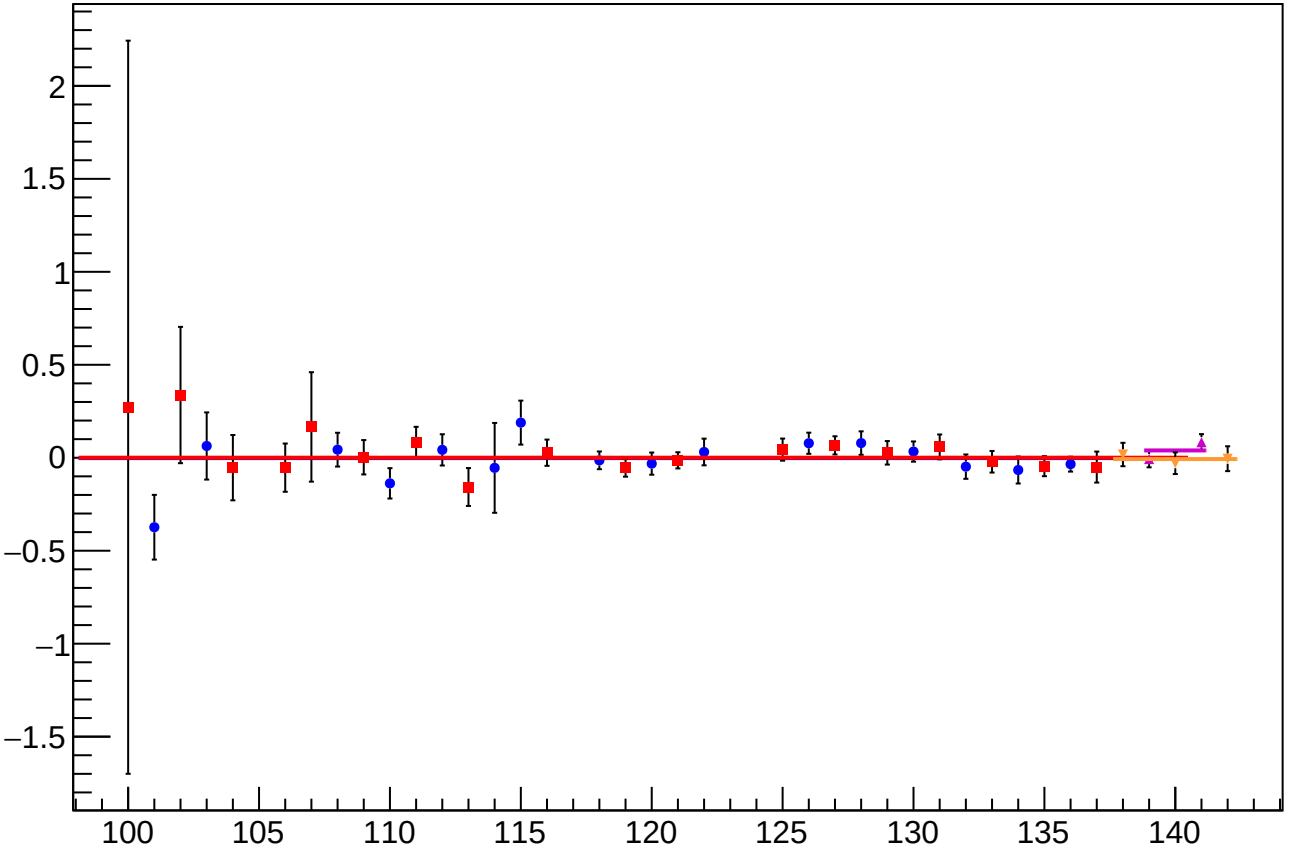
Left In: 37.845+/-0.022 χ^2/NDF:31.3/1

+ sign 41.831+/-0.011 χ^2/NDF: 1515909.3/18

All: 39.323+/-0.008 χ^2/NDF: 3455393.0/38

- sign 37.053+/-0.010 χ^2/NDF: 1838830.6/19

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: -0.007+/-0.036 χ^2/NDF:0.3/2

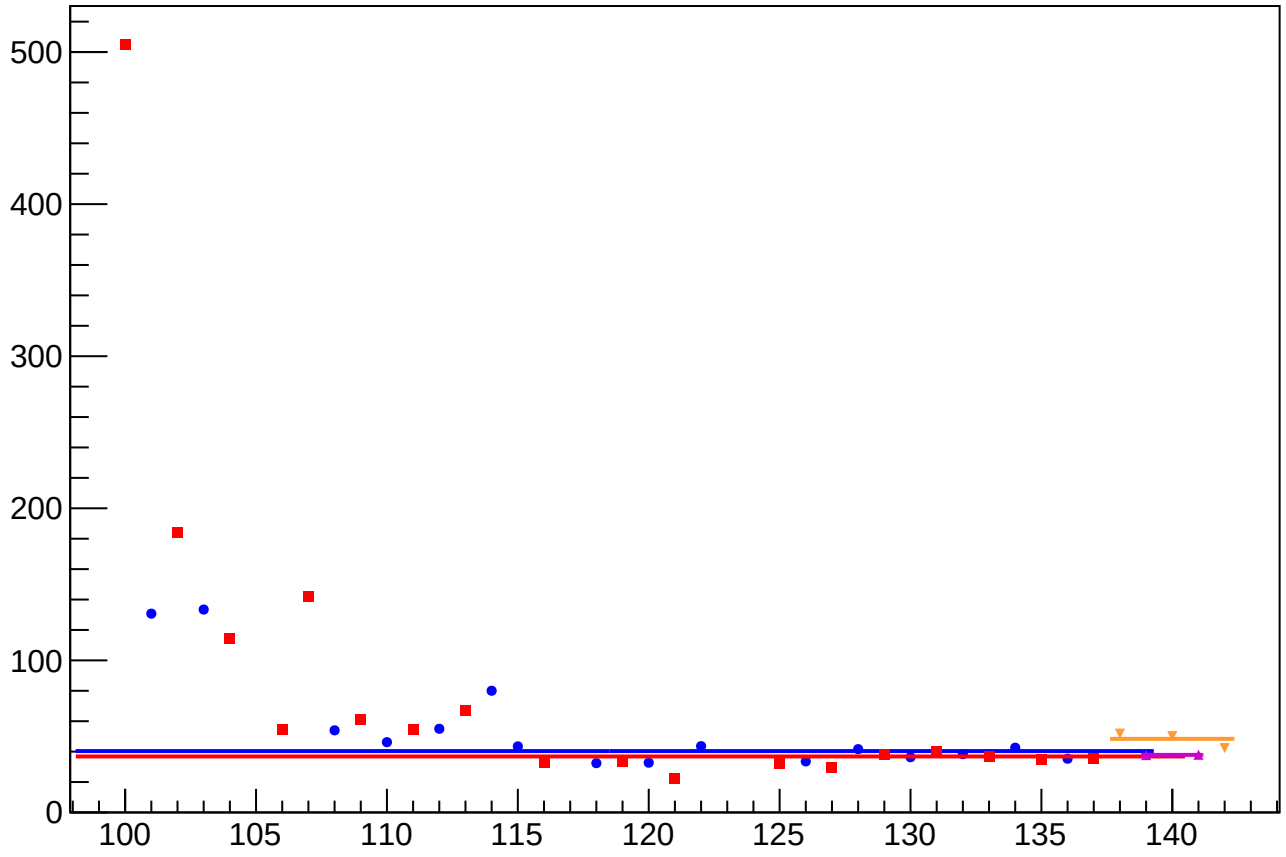
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.039+/-0.031 χ^2/NDF:2.1/1

+ sign -0.003+/-0.015 χ^2/NDF: 17.4/18

All: 0.003+/-0.011 χ^2/NDF: 32.0/38

- sign 0.009+/-0.015 χ^2/NDF: 14.3/19



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 48.403+/-0.025 χ^2/NDF:24259.1/2

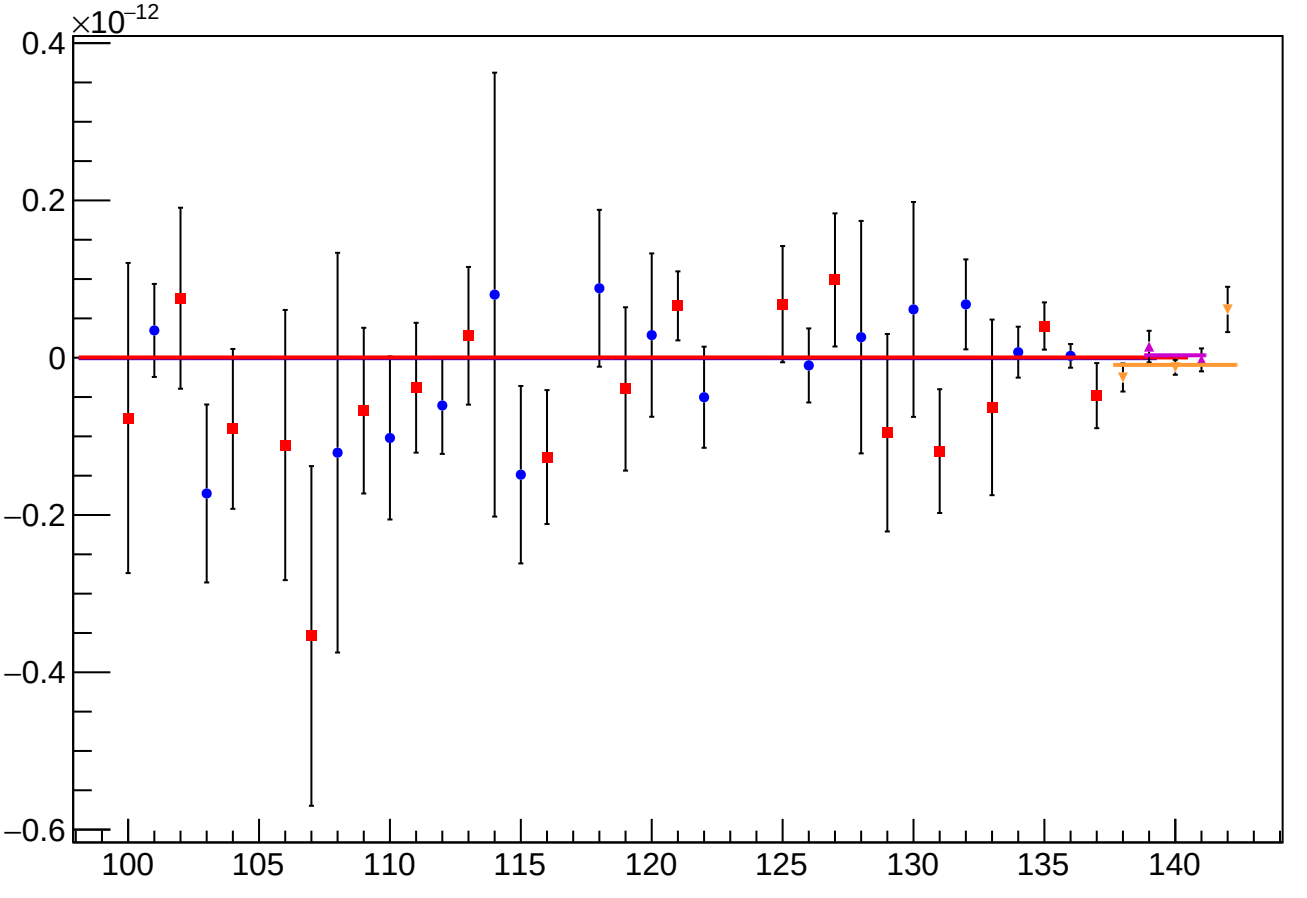
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.845+/-0.022 χ^2/NDF:31.3/1

+ sign 41.831+/-0.011 χ^2/NDF: 1515909.3/18

All: 39.323+/-0.008 χ^2/NDF: 3455393.0/38

- sign 37.053+/-0.010 χ^2/NDF: 1838830.6/19



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/2

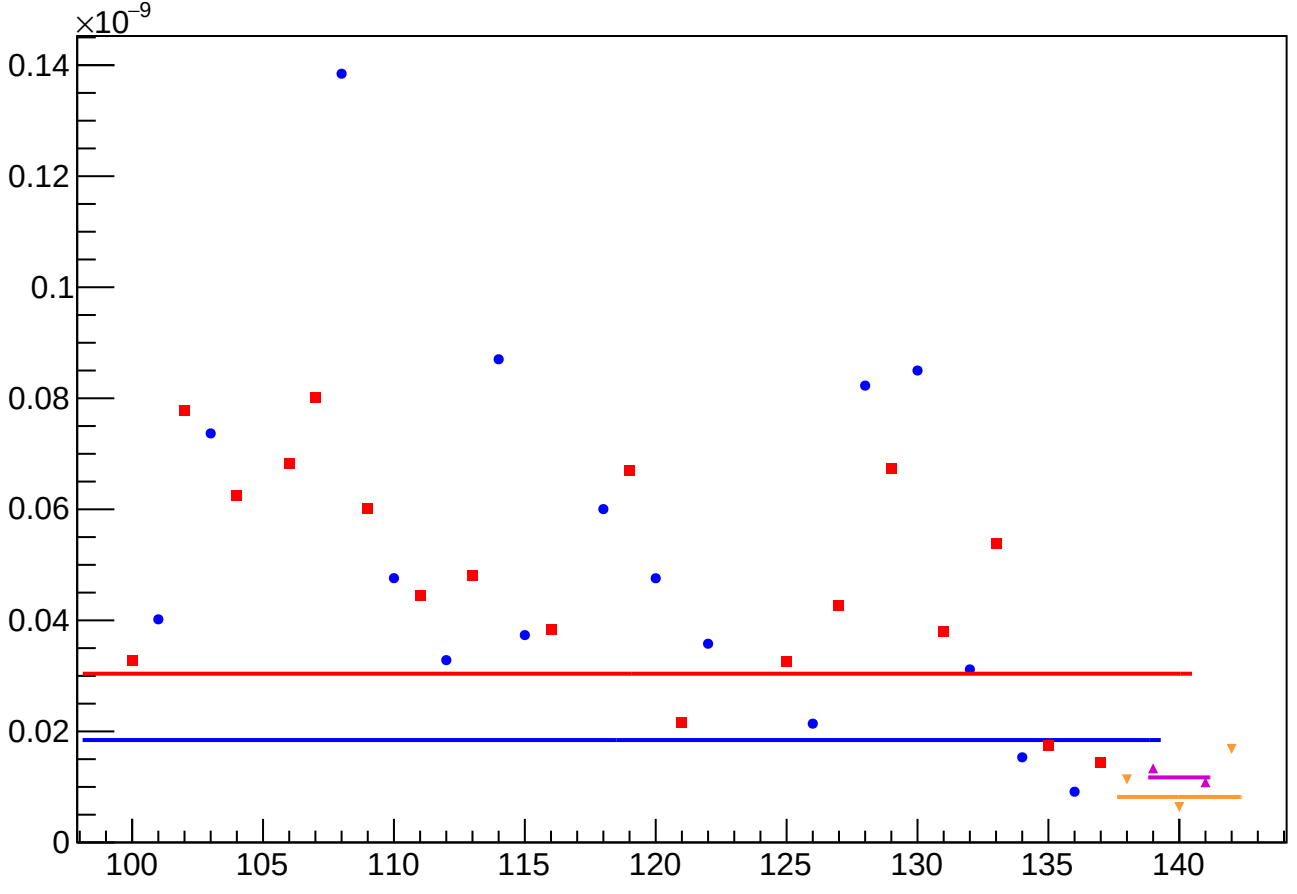
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

+ sign -0.000+/-0.000 χ^2/NDF: 17.2/18

All: -0.000+/-0.000 χ^2/NDF: 36.5/38

- sign 0.000+/-0.000 χ^2/NDF: 18.8/19



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:317304.7/2

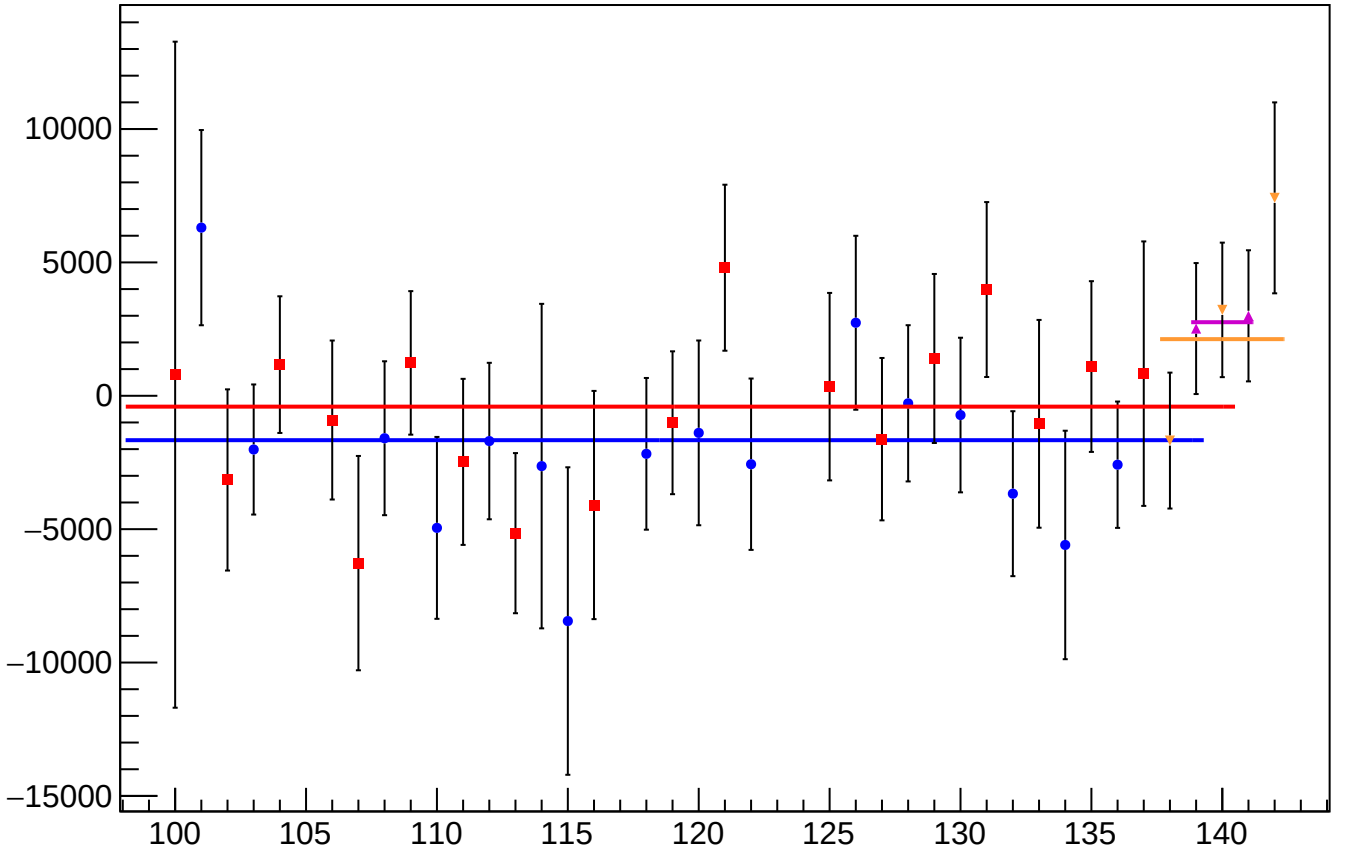
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:20298.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 5401261.5/18

All: 0.000+/-0.000 χ^2/NDF: 10137803.3/38

- sign 0.000+/-0.000 χ^2/NDF: 4107622.6/19



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2123.612+/-1602.445 χ^2/NDF:4.6/2

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

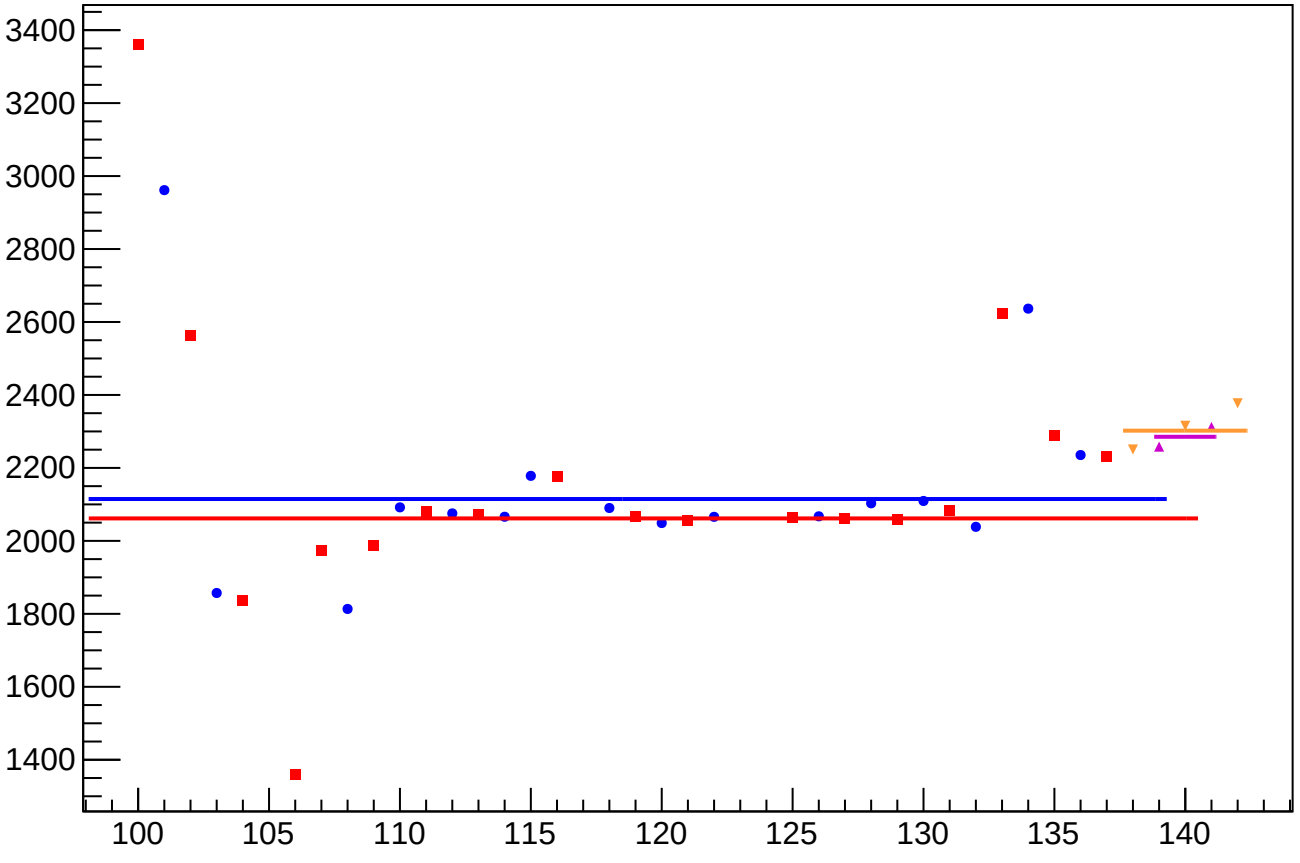
Left In: 2758.695+/-1737.050 χ^2/NDF:0.0/1

+ sign -920.410+/-710.131 χ^2/NDF: 19.9/18

All: -399.109+/-501.878 χ^2/NDF: 36.5/38

- sign 121.112+/-709.395 χ^2/NDF: 15.5/19

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2302.149+/-1.133 χ^2/NDF:1755.4/2

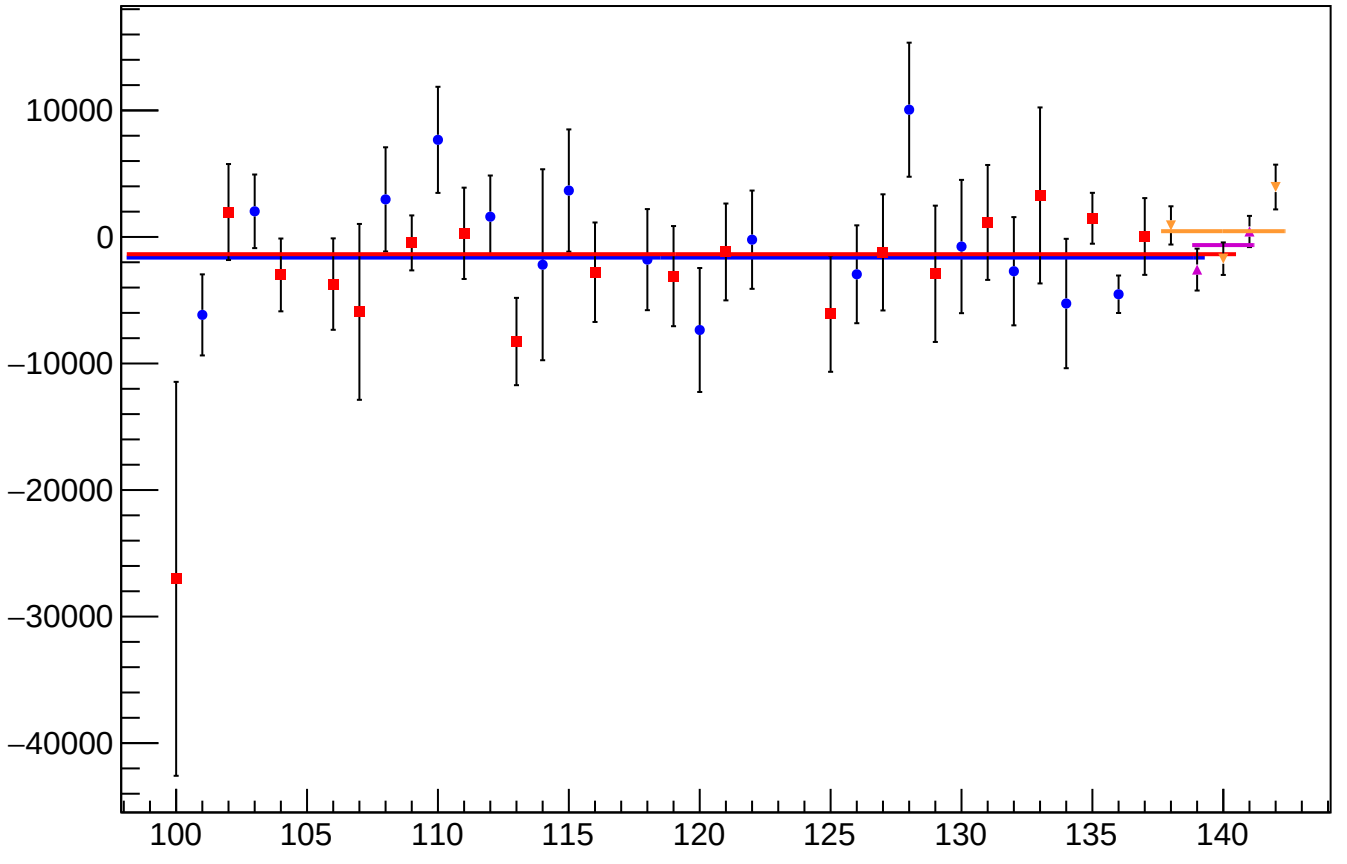
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

+ sign 2151.557+/-0.502 χ^2/NDF: 213655.7/18

All: 2125.192+/-0.355 χ^2/NDF: 496488.0/38

- sign 2098.882+/-0.502 χ^2/NDF: 277324.4/19



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: 455.995+/-856.711 χ^2/NDF:6.8/2

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

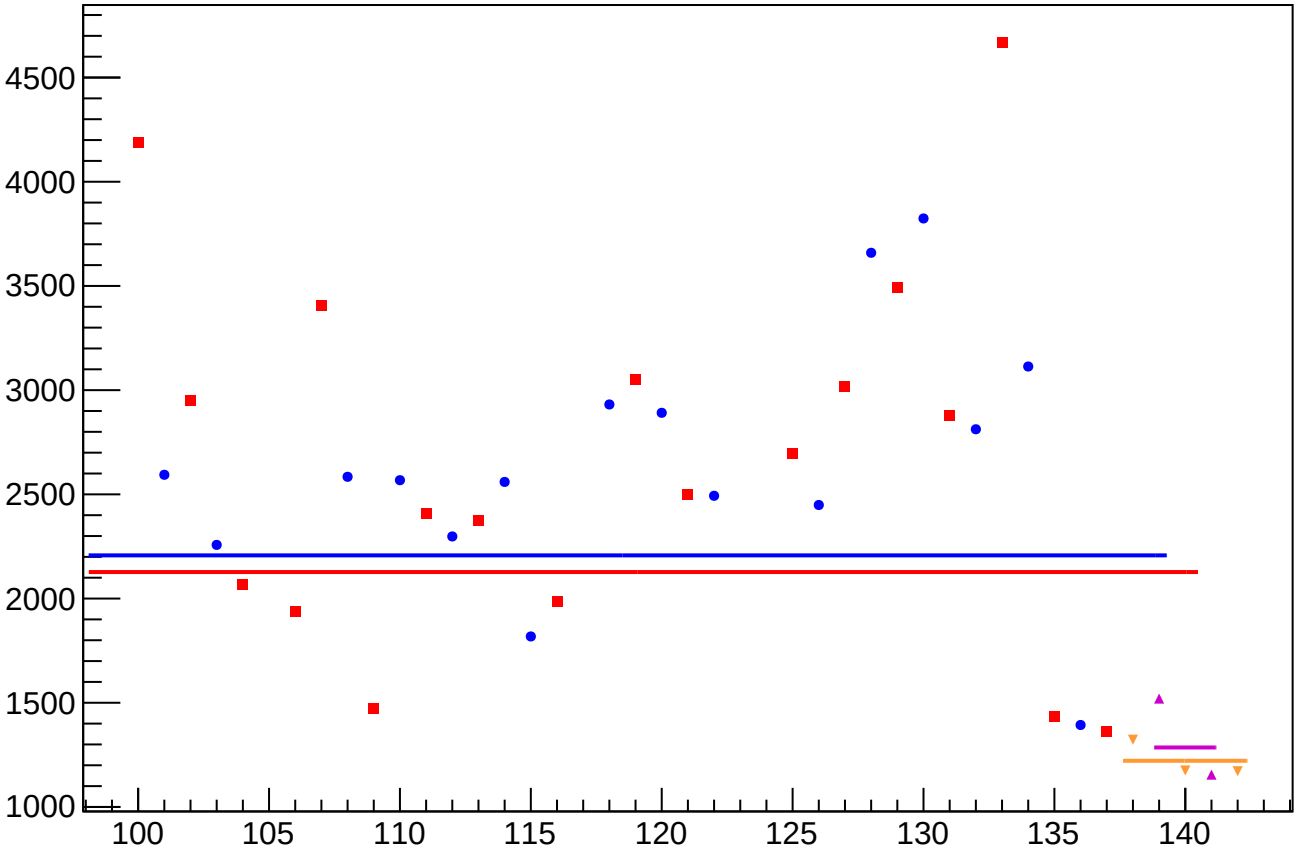
Left In: -641.736+/-989.131 χ^2/NDF:2.1/1

+ sign -580.315+/-607.793 χ^2/NDF: 32.6/18

All: -807.584+/-440.870 χ^2/NDF: 48.8/38

- sign -1059.937+/-640.457 χ^2/NDF: 15.9/19

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1221.608+/-0.606 χ^2/NDF:13206.6/2

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

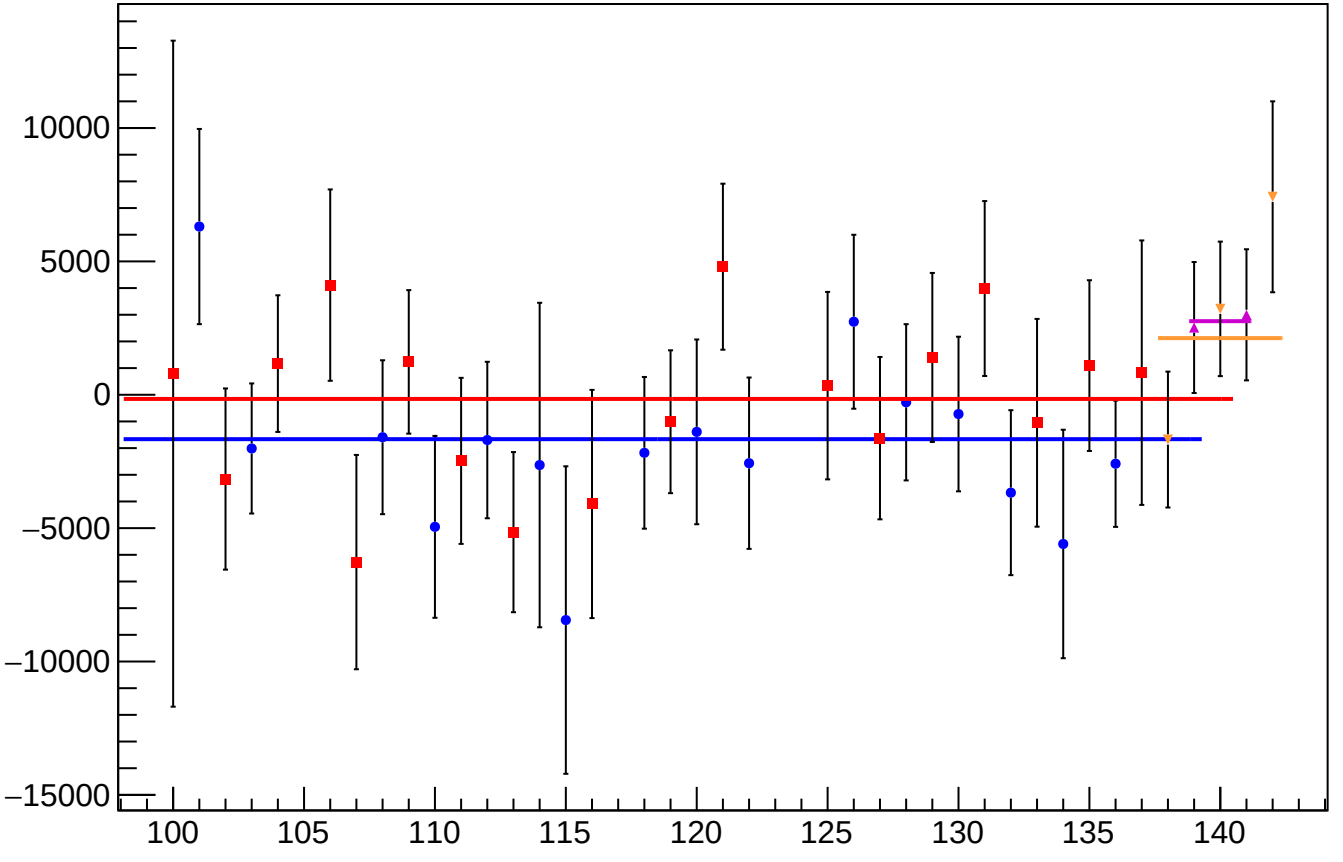
Left In: 1285.400+/-0.699 χ^2/NDF:62476.7/1

+ sign 1711.160+/-0.430 χ^2/NDF: 2577335.8/18

All: 1741.074+/-0.312 χ^2/NDF: 4949390.8/38

- sign 1774.290+/-0.453 χ^2/NDF: 2361830.5/19

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2124.061+/-1602.445 χ^2/NDF:4.6/2

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

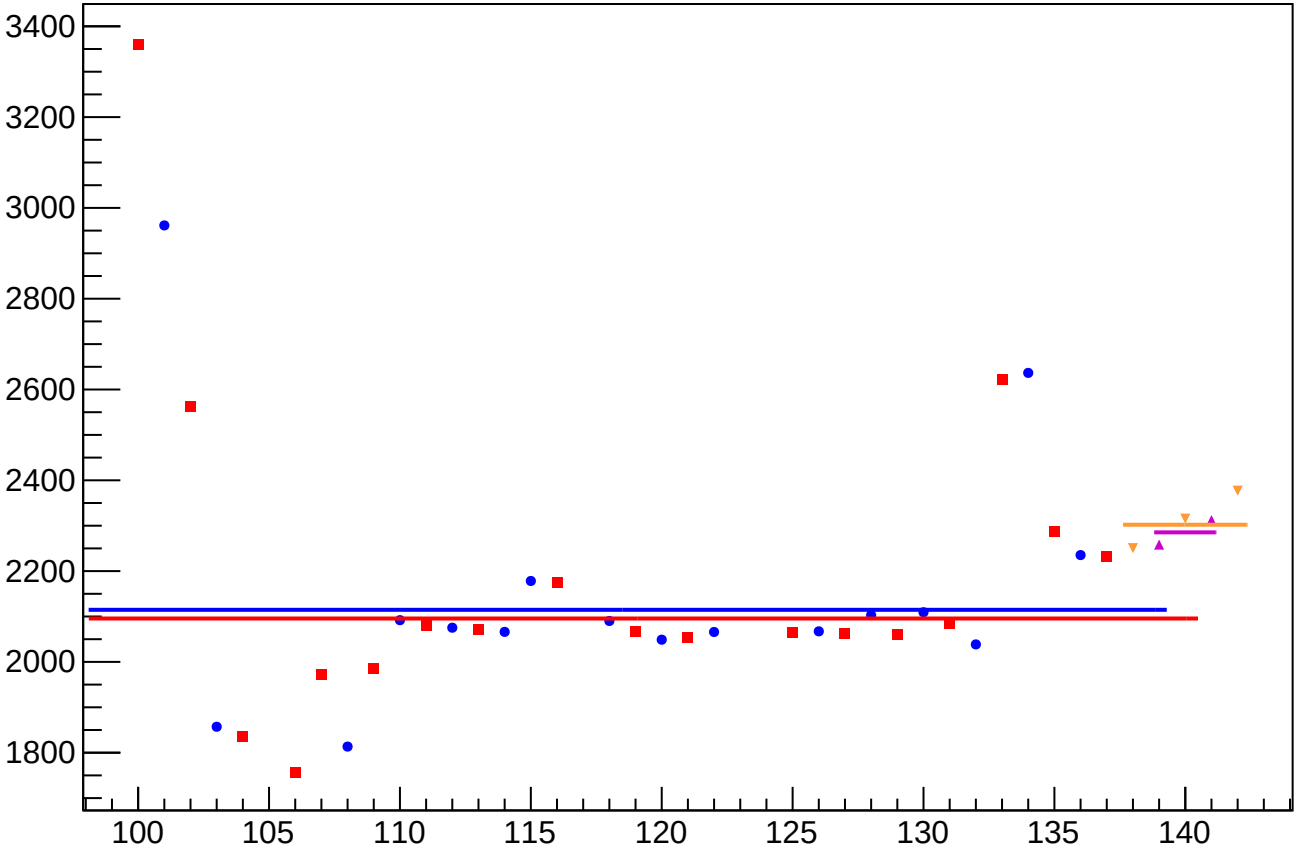
Left In: 2758.996+/-1737.050 χ^2/NDF:0.0/1

+ sign -920.263+/-710.131 χ^2/NDF: 19.9/18

All: -295.532+/-504.099 χ^2/NDF: 38.0/38

- sign 339.051+/-715.709 χ^2/NDF: 16.6/19

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2302.149+/-1.133 χ^2/NDF:1755.4/2

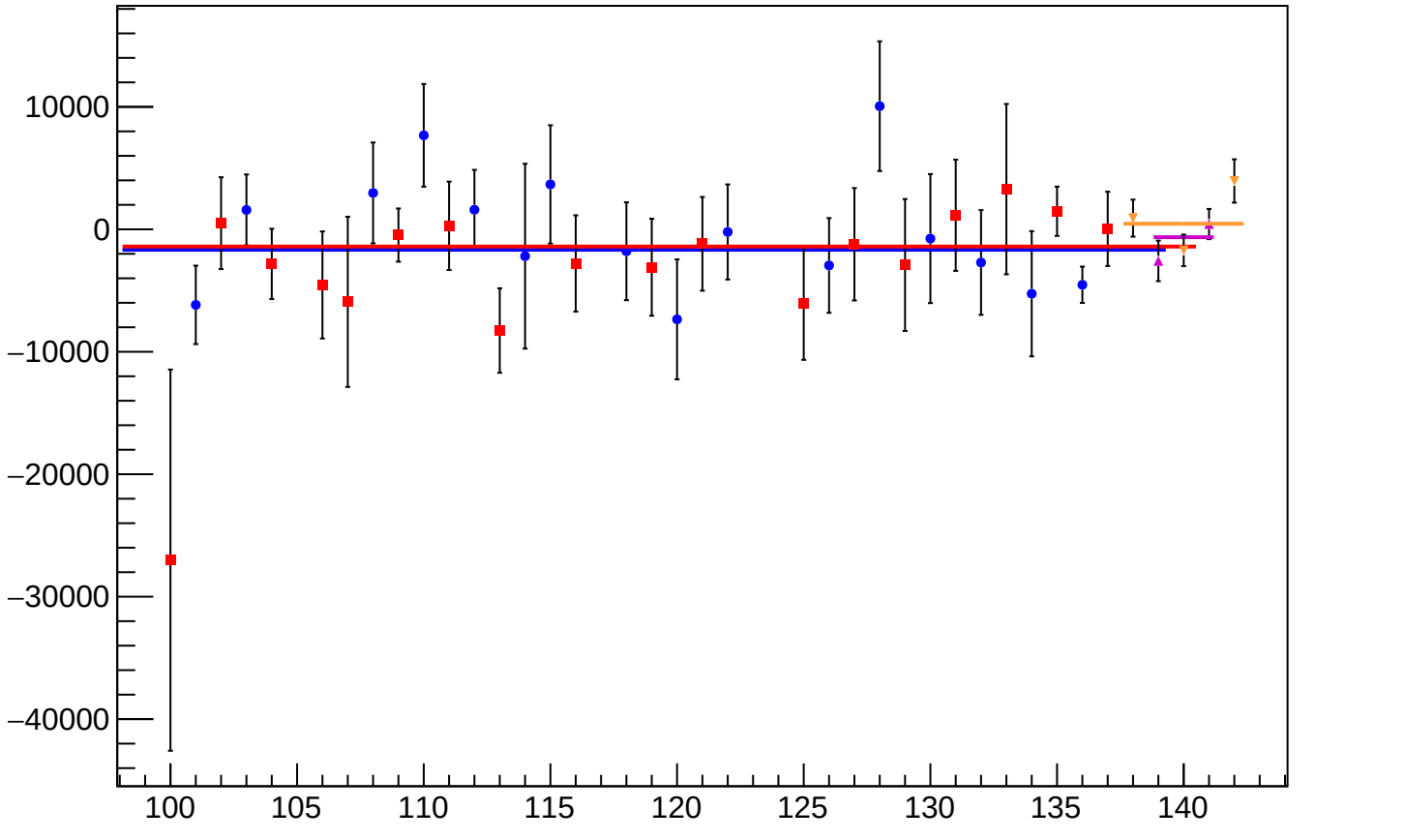
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

+ sign 2151.556+/-0.502 χ^2/NDF: 213656.1/18

All: 2139.775+/-0.356 χ^2/NDF: 384419.6/38

- sign 2127.808+/-0.506 χ^2/NDF: 169653.8/19



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: 455.834+/-856.730 χ^2/NDF:6.8/2

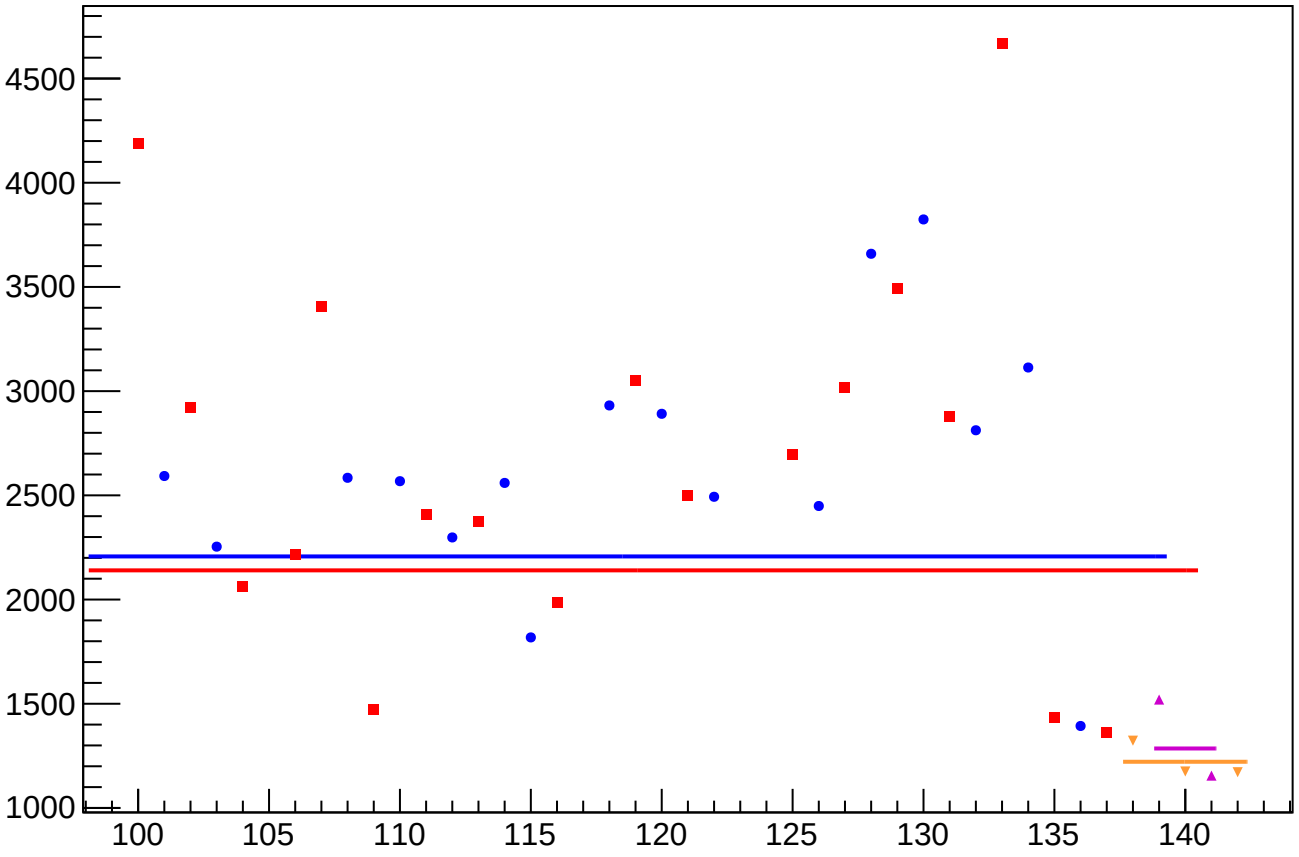
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -641.880+/-989.112 χ^2/NDF:2.1/1

+ sign -599.656+/-607.698 χ^2/NDF: 32.4/18

All: -827.949+/-441.784 χ^2/NDF: 48.1/38

- sign -1083.839+/-643.381 χ^2/NDF: 15.4/19



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1221.638+/-0.606 χ^2/NDF:13197.1/2

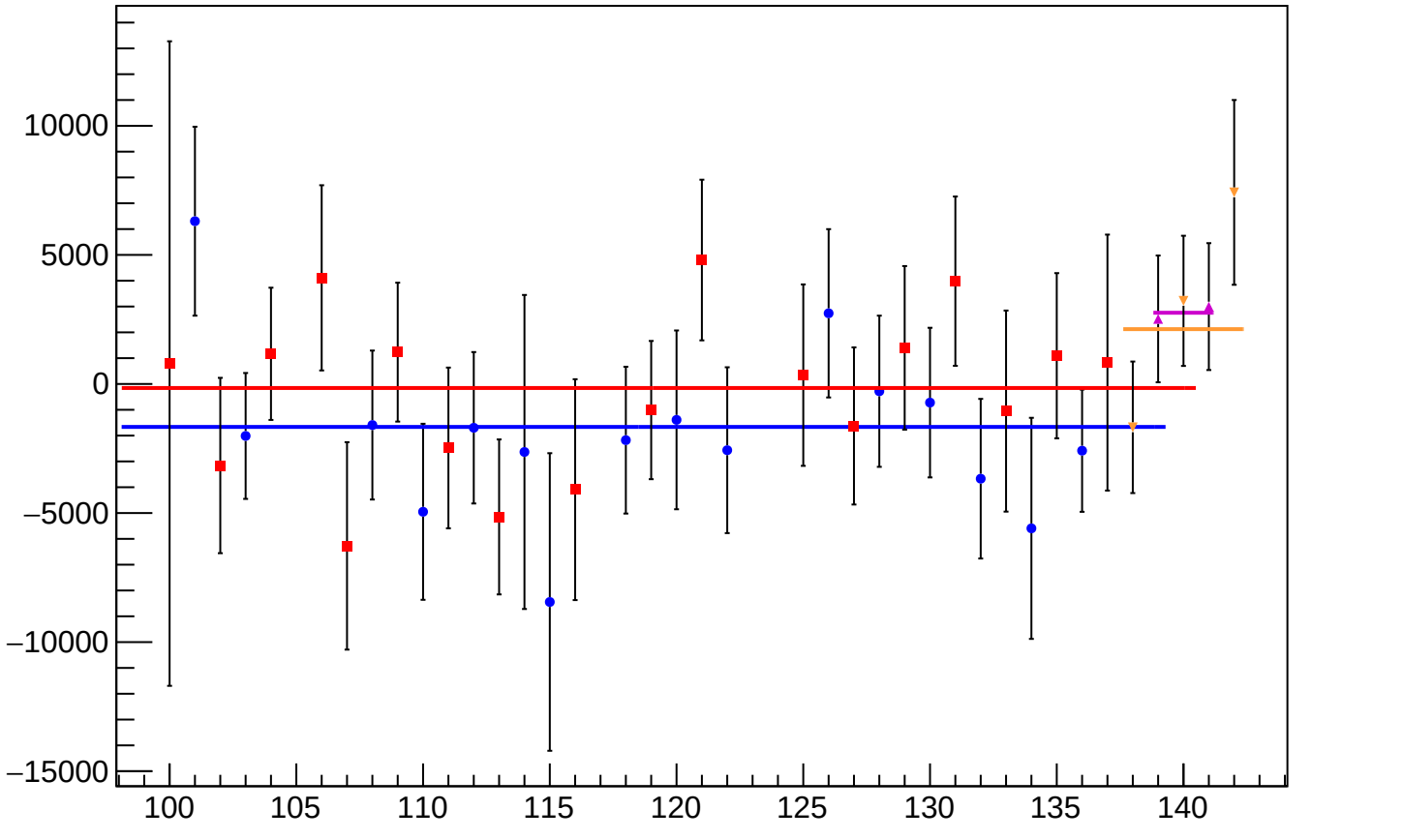
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1285.373+/-0.699 χ^2/NDF:62491.4/1

+ sign 1711.185+/-0.430 χ^2/NDF: 2576527.0/18

All: 1742.896+/-0.312 χ^2/NDF: 4960429.2/38

- sign 1778.440+/-0.455 χ^2/NDF: 2372352.0/19



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2124.061+/-1602.445 χ^2/NDF:4.6/2

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

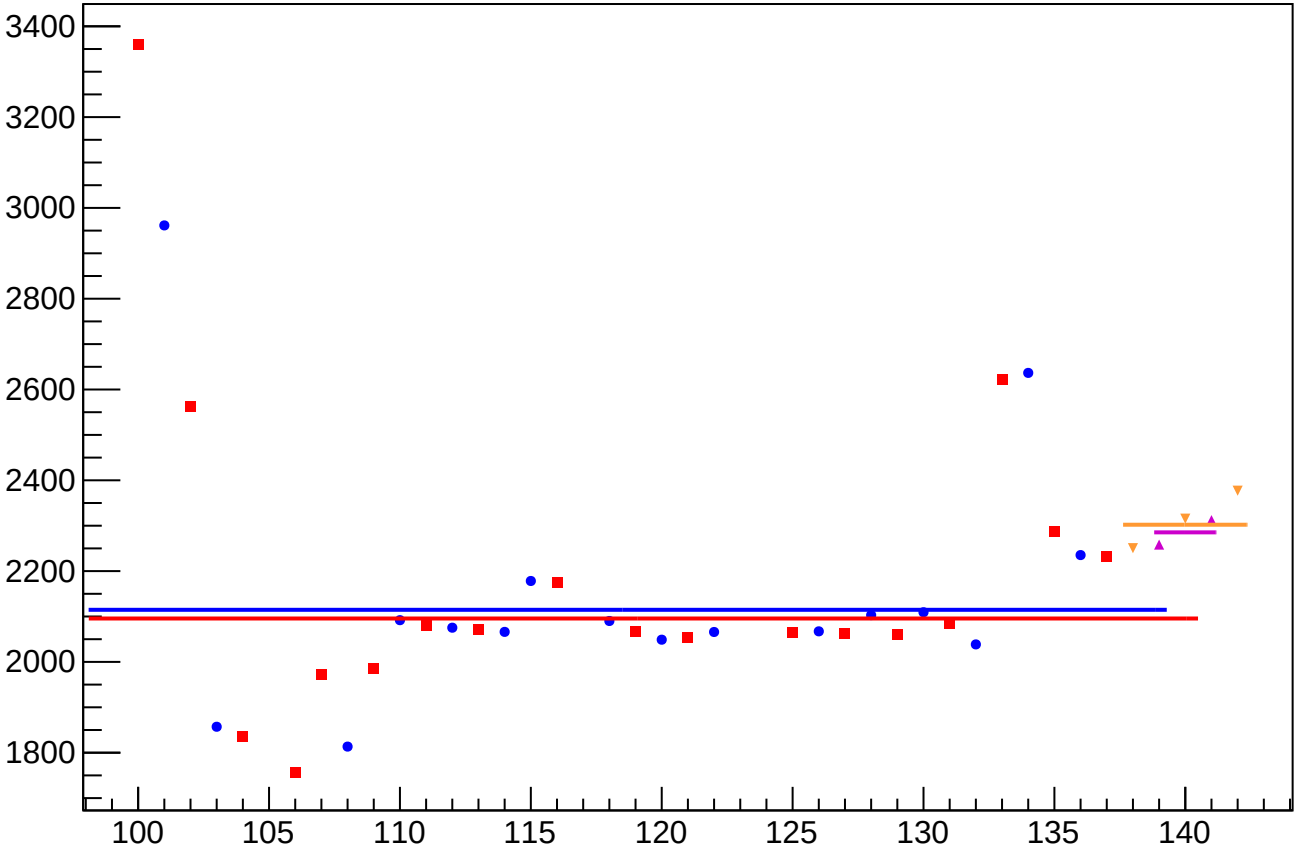
Left In: 2758.996+/-1737.050 χ^2/NDF:0.0/1

+ sign -920.263+/-710.131 χ^2/NDF: 19.9/18

All: -295.532+/-504.099 χ^2/NDF: 38.0/38

- sign 339.051+/-715.709 χ^2/NDF: 16.6/19

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: 2302.149+/-1.133 χ^2/NDF:1755.4/2

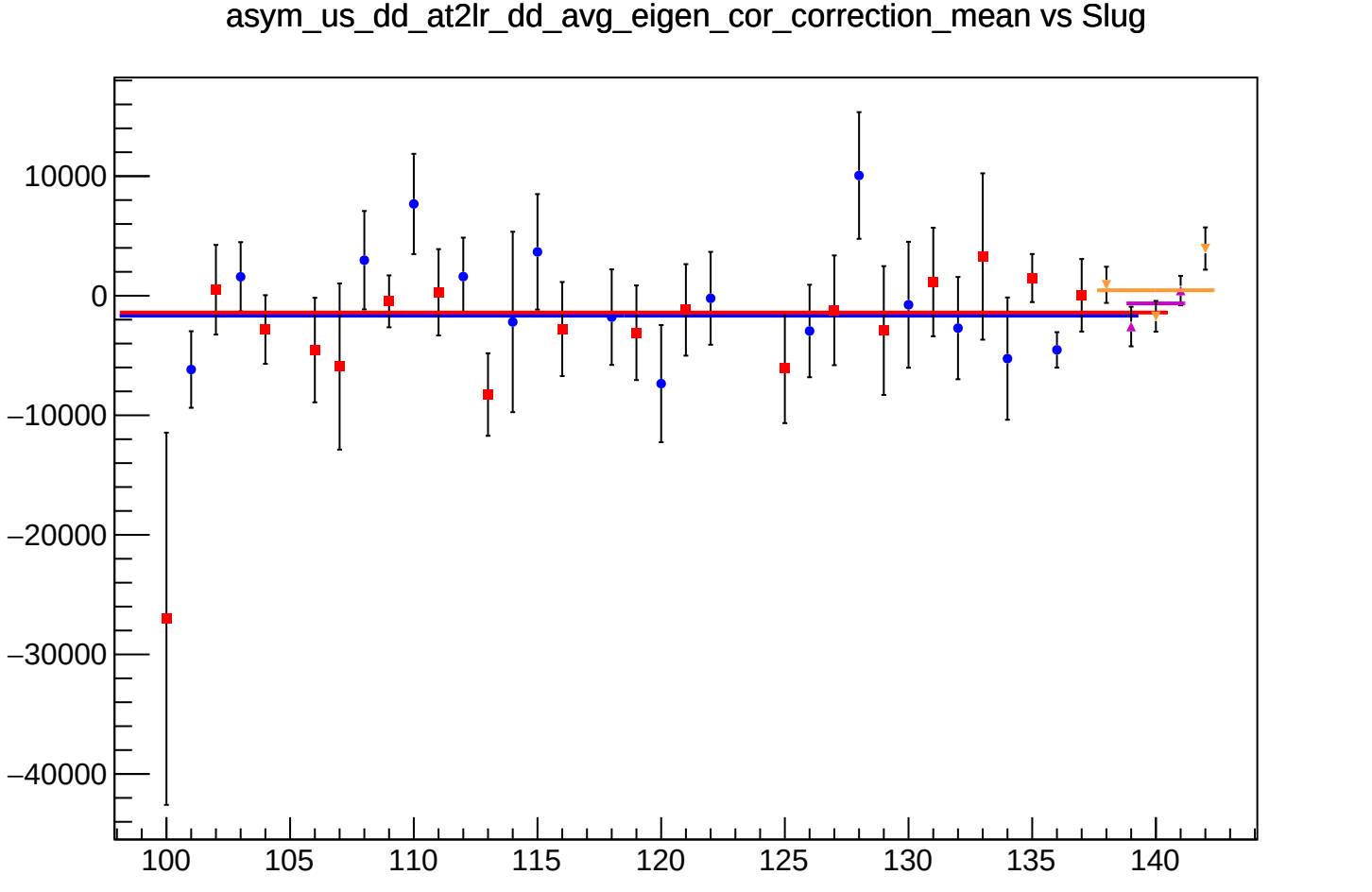
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

+ sign 2151.556+/-0.502 χ^2/NDF: 213656.1/18

All: 2139.775+/-0.356 χ^2/NDF: 384419.6/38

- sign 2127.808+/-0.506 χ^2/NDF: 169653.8/19



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: 455.834+/-856.730 χ^2/NDF:6.8/2

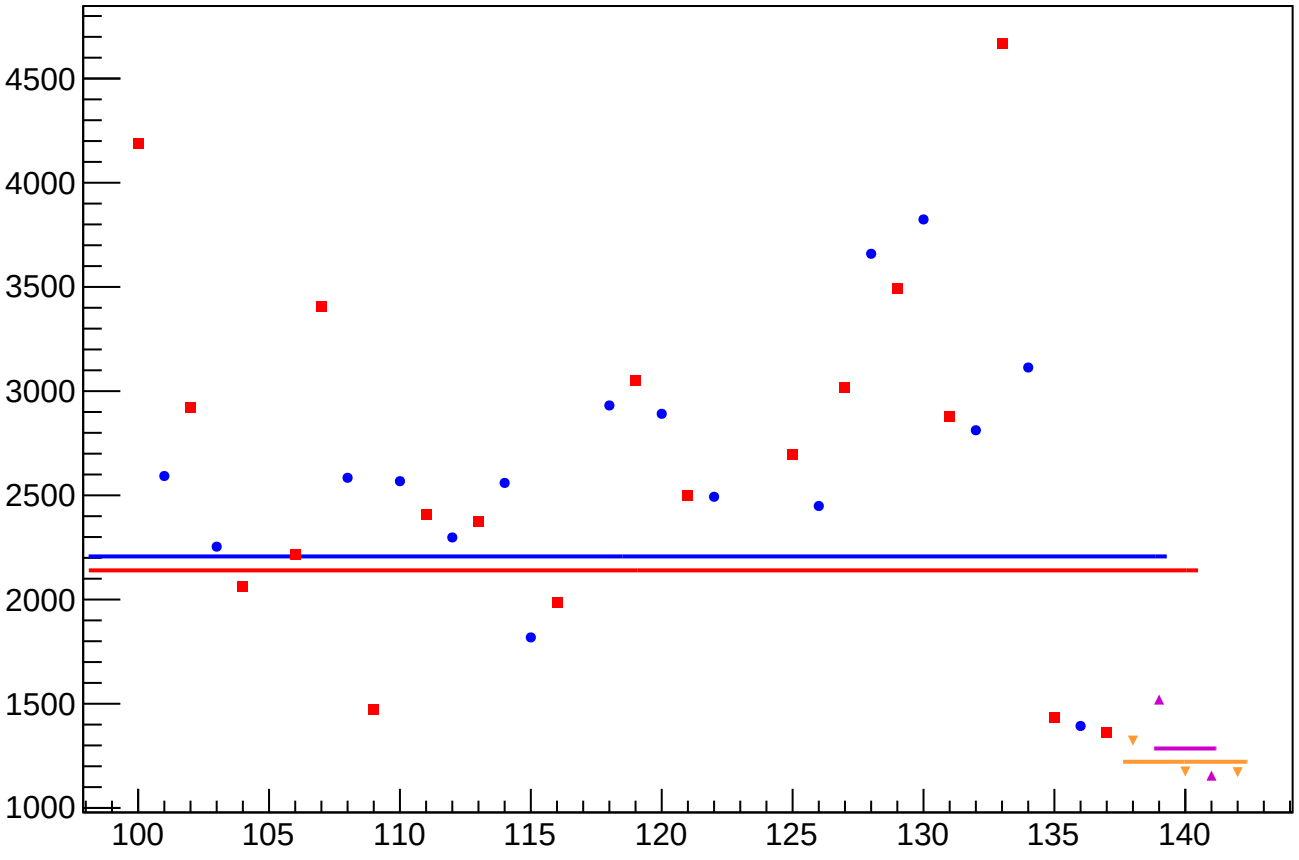
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -641.880+/-989.112 χ^2/NDF:2.1/1

+ sign -599.656+/-607.698 χ^2/NDF: 32.4/18

All: -827.949+/-441.784 χ^2/NDF: 48.1/38

- sign -1083.839+/-643.381 χ^2/NDF: 15.4/19



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1221.638+/-0.606 χ^2/NDF:13197.1/2

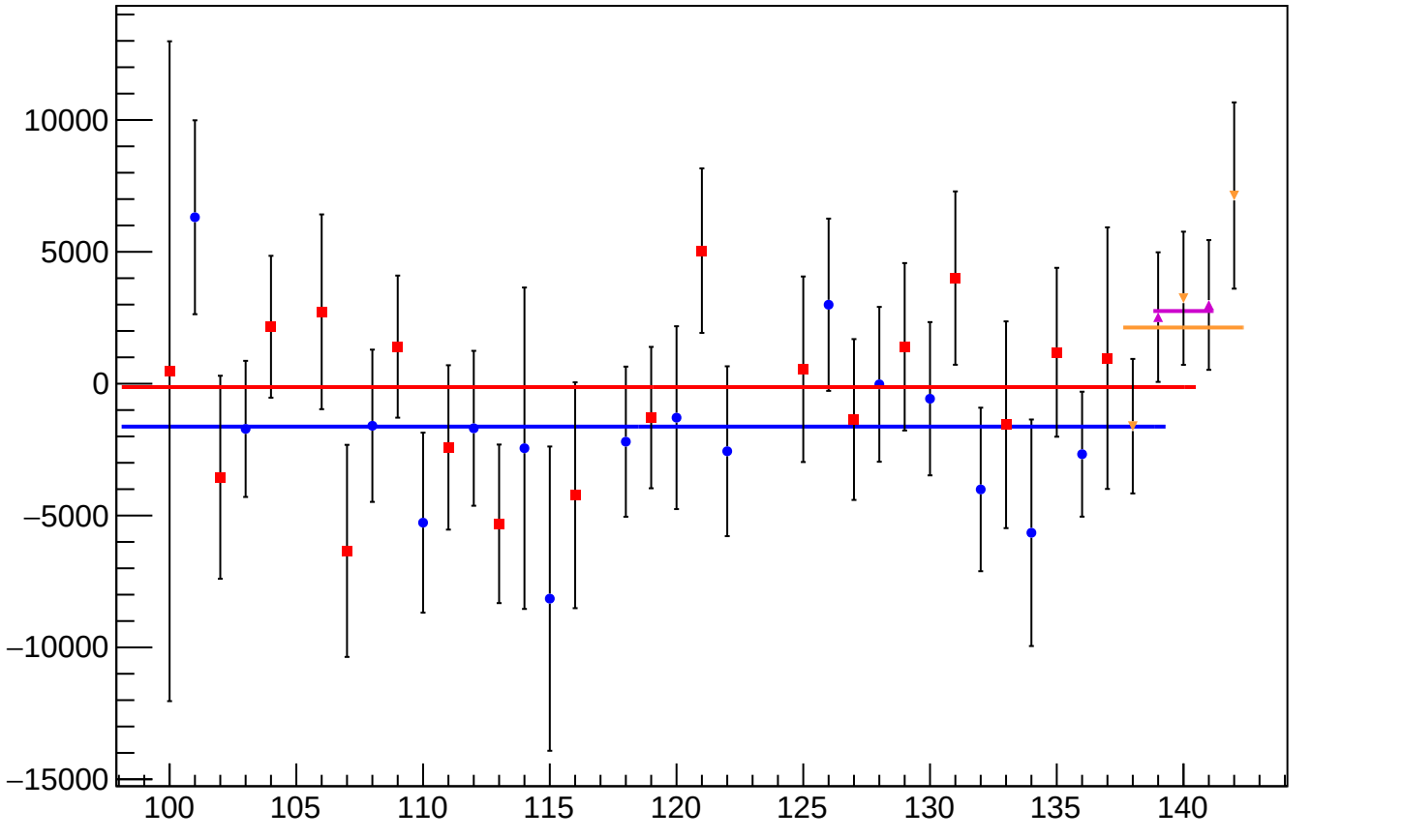
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1285.373+/-0.699 χ^2/NDF:62491.4/1

+ sign 1711.185+/-0.430 χ^2/NDF: 2576527.0/18

All: 1742.896+/-0.312 χ^2/NDF: 4960429.2/38

- sign 1778.440+/-0.455 χ^2/NDF: 2372352.0/19



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2130.552+/-1599.549 χ^2/NDF:4.4/2

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

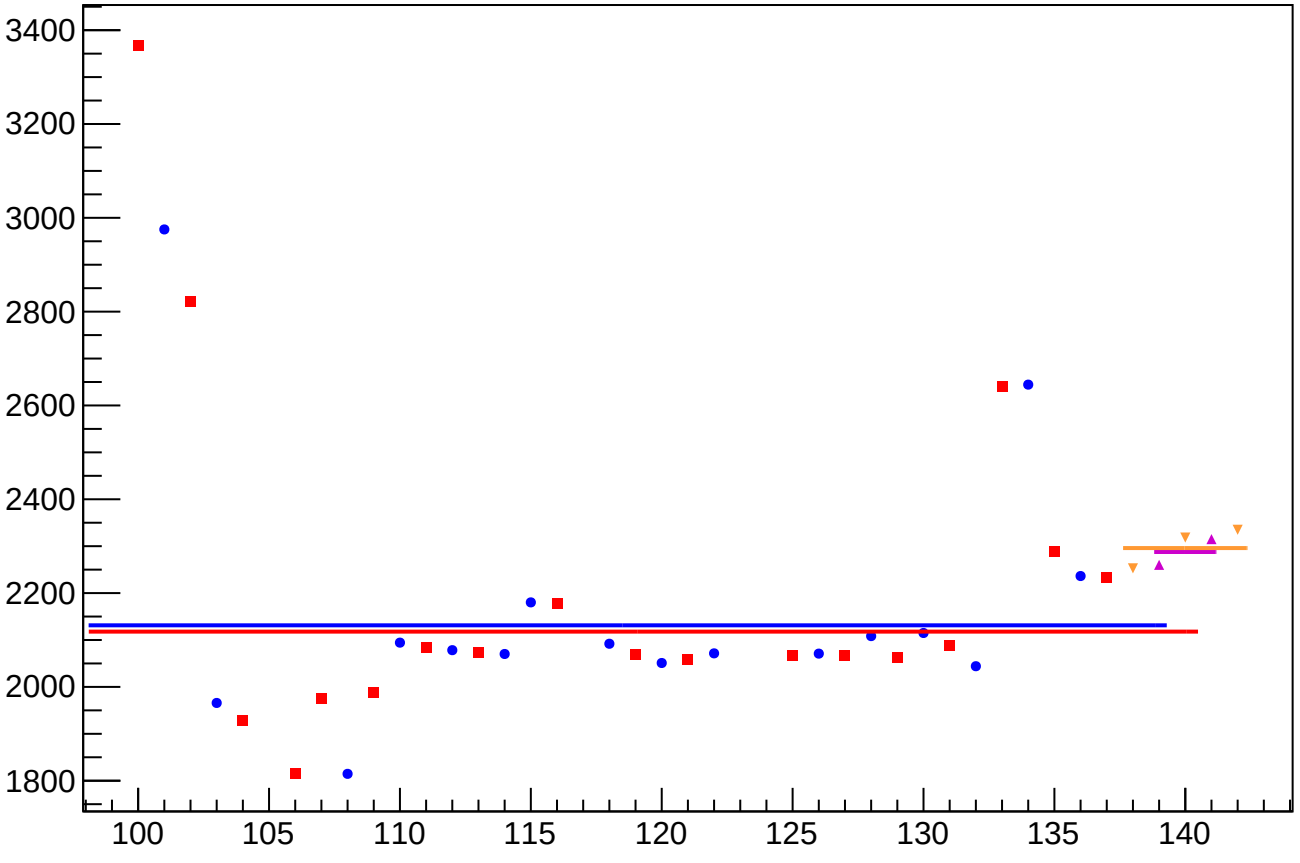
Left In: 2755.207+/-1738.804 χ^2/NDF:0.0/1

+ sign -878.715+/-714.045 χ^2/NDF: 20.1/18

All: -262.066+/-508.282 χ^2/NDF: 38.5/38

- sign 371.353+/-723.690 χ^2/NDF: 16.8/19

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2295.976+/-1.131 χ^2/NDF:975.7/2

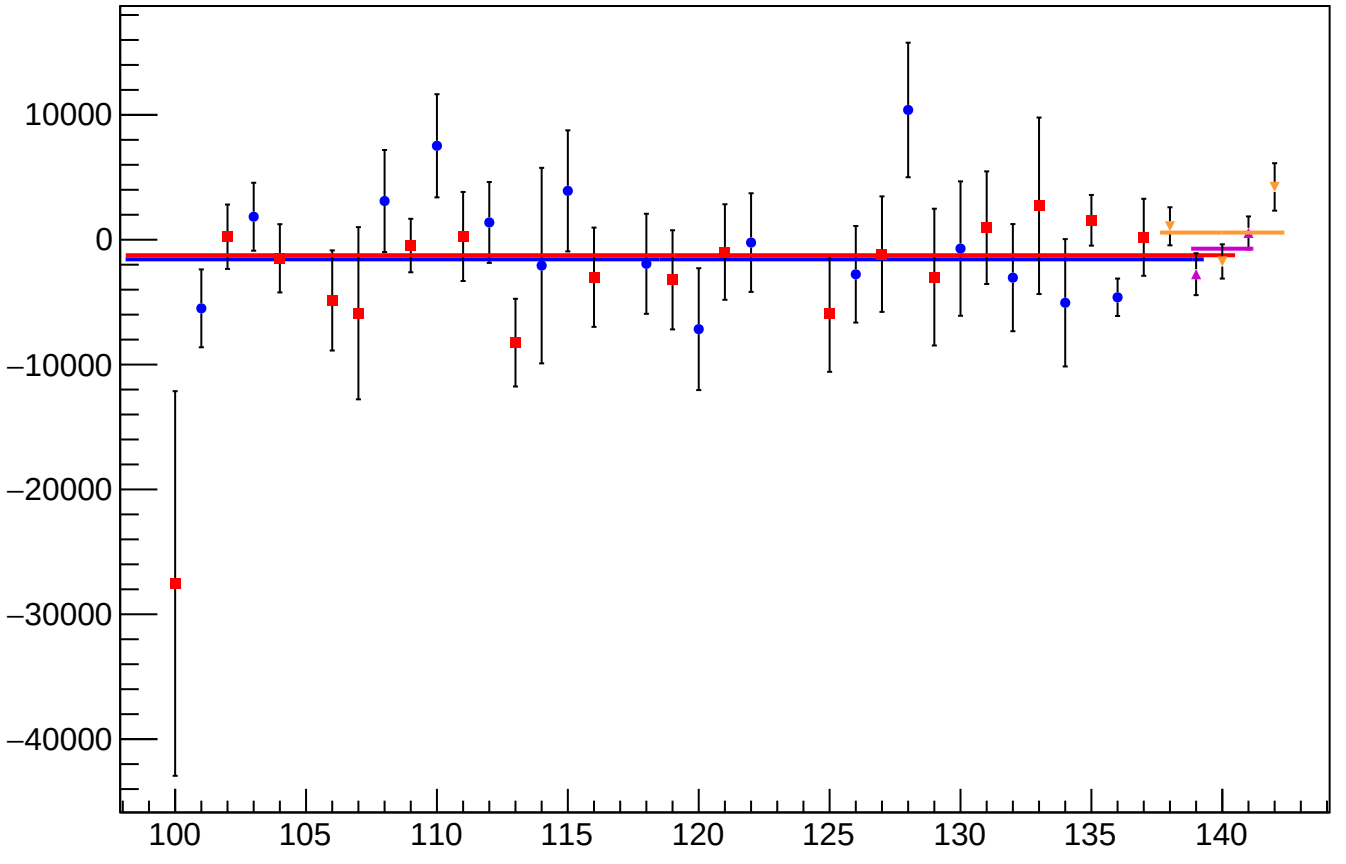
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2287.614+/-1.230 χ^2/NDF:496.5/1

+ sign 2164.115+/-0.505 χ^2/NDF: 193893.2/18

All: 2155.806+/-0.359 χ^2/NDF: 374320.1/38

- sign 2147.271+/-0.512 χ^2/NDF: 179878.0/19



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: 573.023+/-898.615 χ^2/NDF:6.7/2

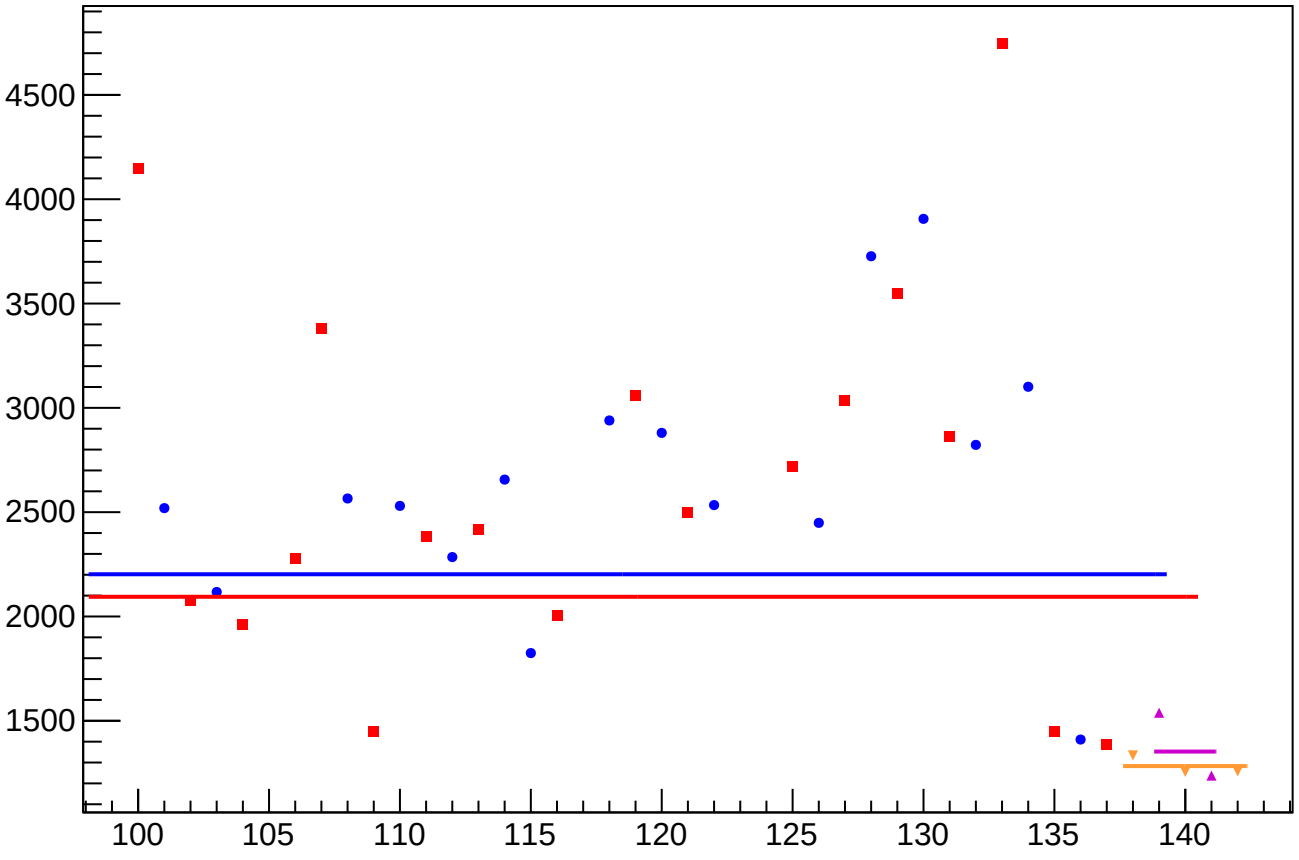
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -718.593+/-1037.432 χ^2/NDF:2.4/1

+ sign -546.389+/-621.222 χ^2/NDF: 32.2/18

All: -784.711+/-446.839 χ^2/NDF: 48.1/38

- sign -1040.196+/-643.201 χ^2/NDF: 15.6/19



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1282.996+/-0.635 χ^2/NDF:3439.5/2

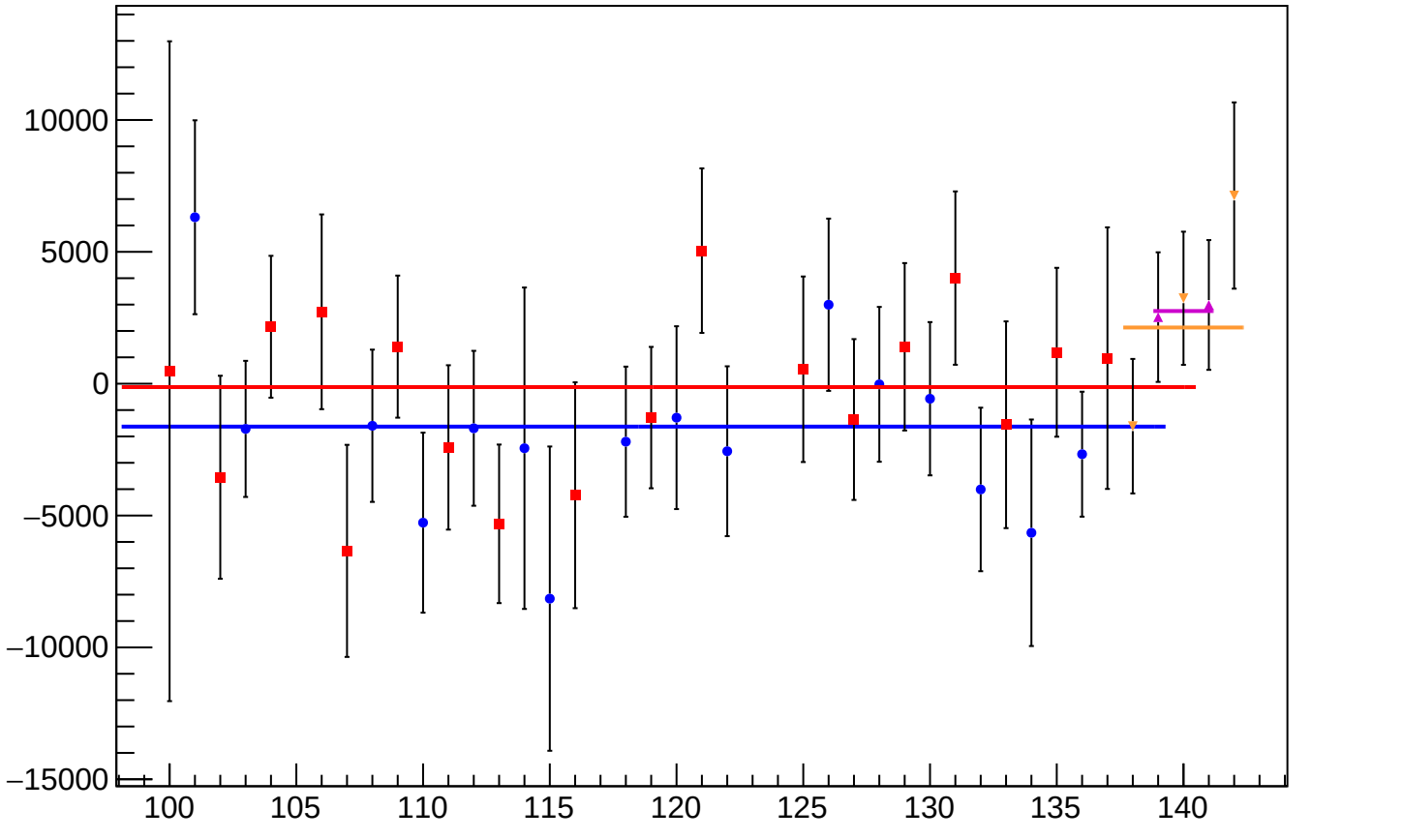
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1352.550+/-0.734 χ^2/NDF:39851.9/1

+ sign 1762.996+/-0.439 χ^2/NDF: 2319405.7/18

All: 1785.327+/-0.316 χ^2/NDF: 4367940.4/38

- sign 1809.266+/-0.455 χ^2/NDF: 2043179.9/19



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2130.562+/-1599.549 χ^2/NDF:4.4/2

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

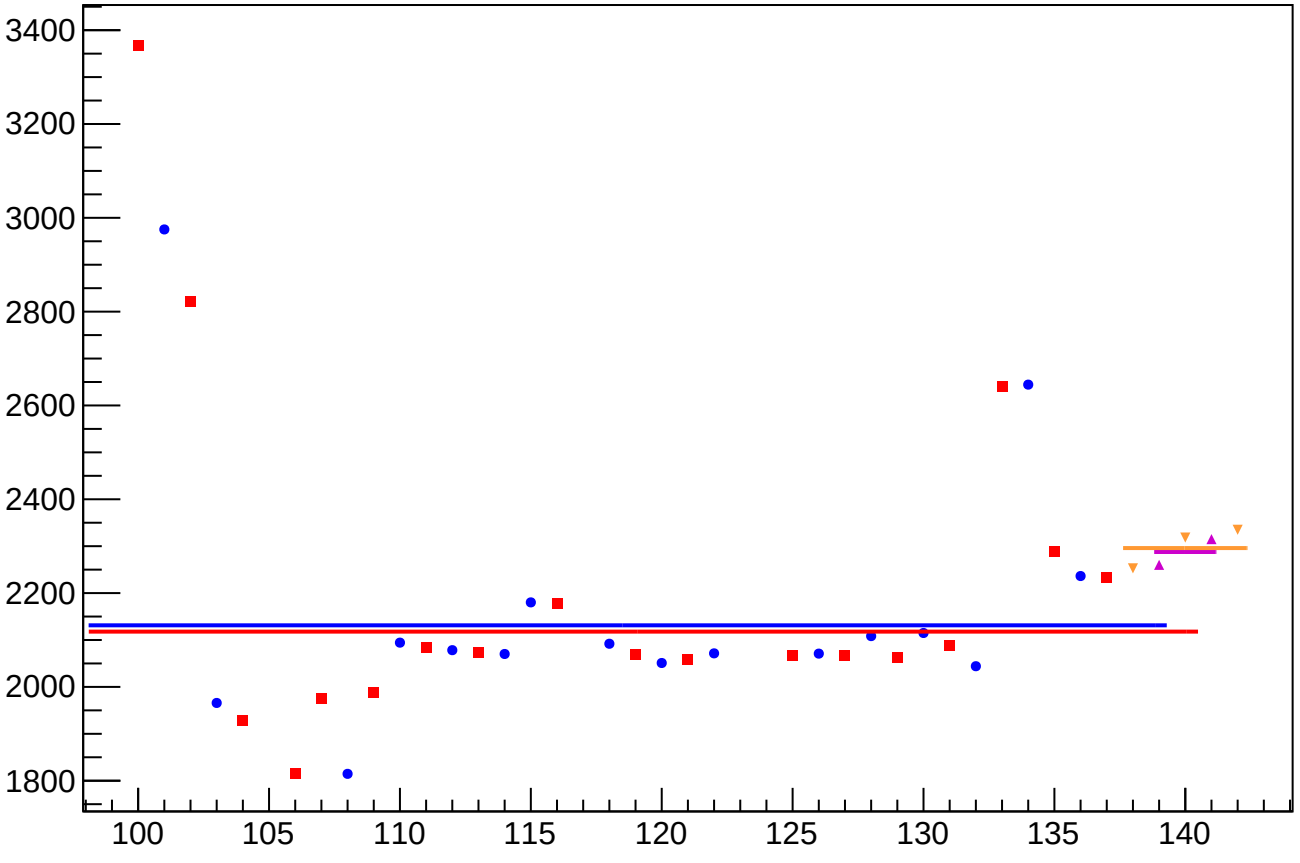
Left In: 2755.184+/-1738.805 χ^2/NDF:0.0/1

+ sign -878.715+/-714.045 χ^2/NDF: 20.1/18

All: -262.065+/-508.282 χ^2/NDF: 38.5/38

- sign 371.354+/-723.690 χ^2/NDF: 16.8/19

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: 2295.976+/-1.131 χ^2/NDF:975.7/2

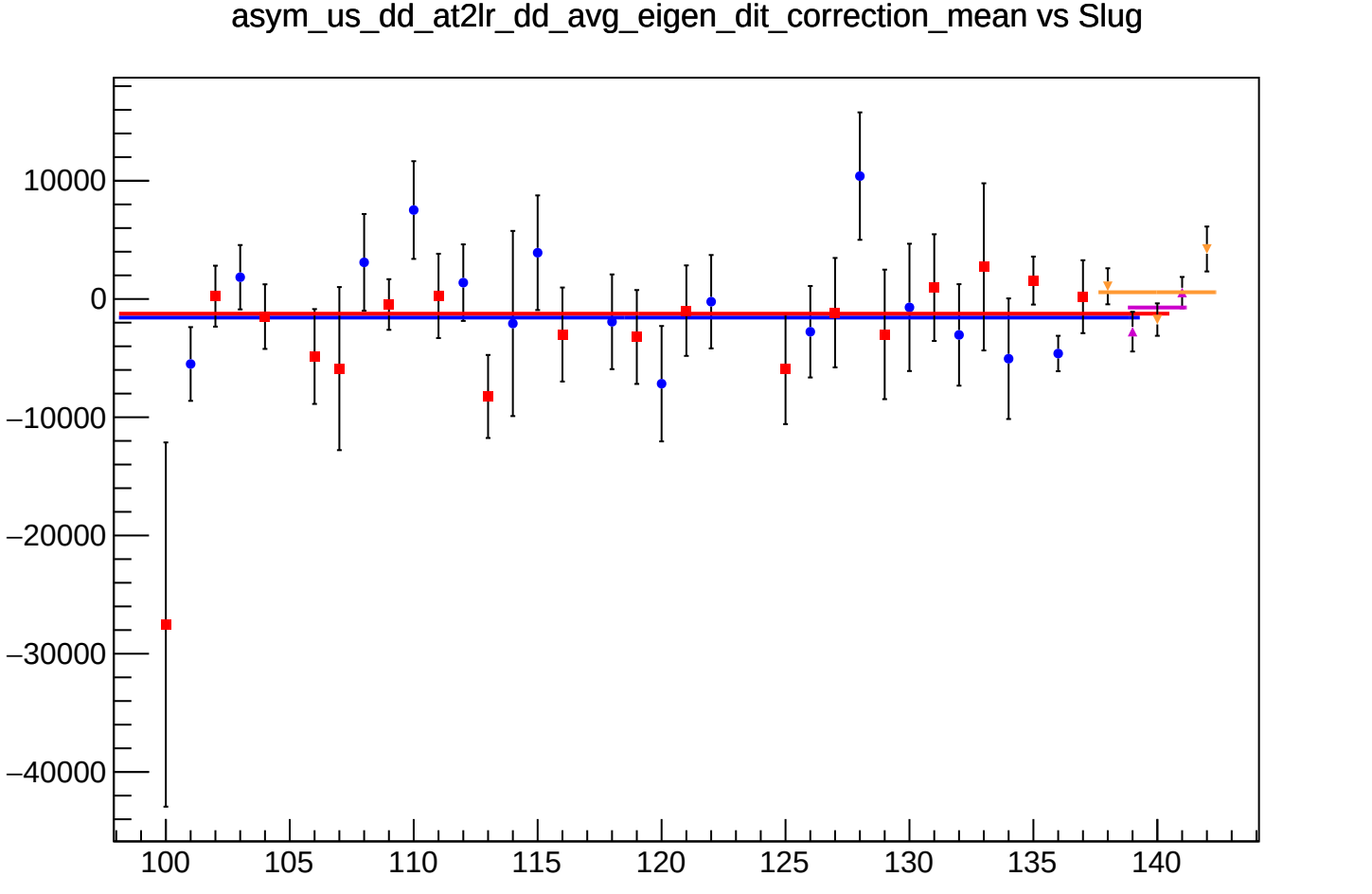
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2287.614+/-1.230 χ^2/NDF:496.5/1

+ sign 2164.115+/-0.505 χ^2/NDF: 193893.2/18

All: 2155.806+/-0.359 χ^2/NDF: 374320.1/38

- sign 2147.271+/-0.512 χ^2/NDF: 179877.9/19



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: 573.030+/-898.624 χ^2/NDF:6.7/2

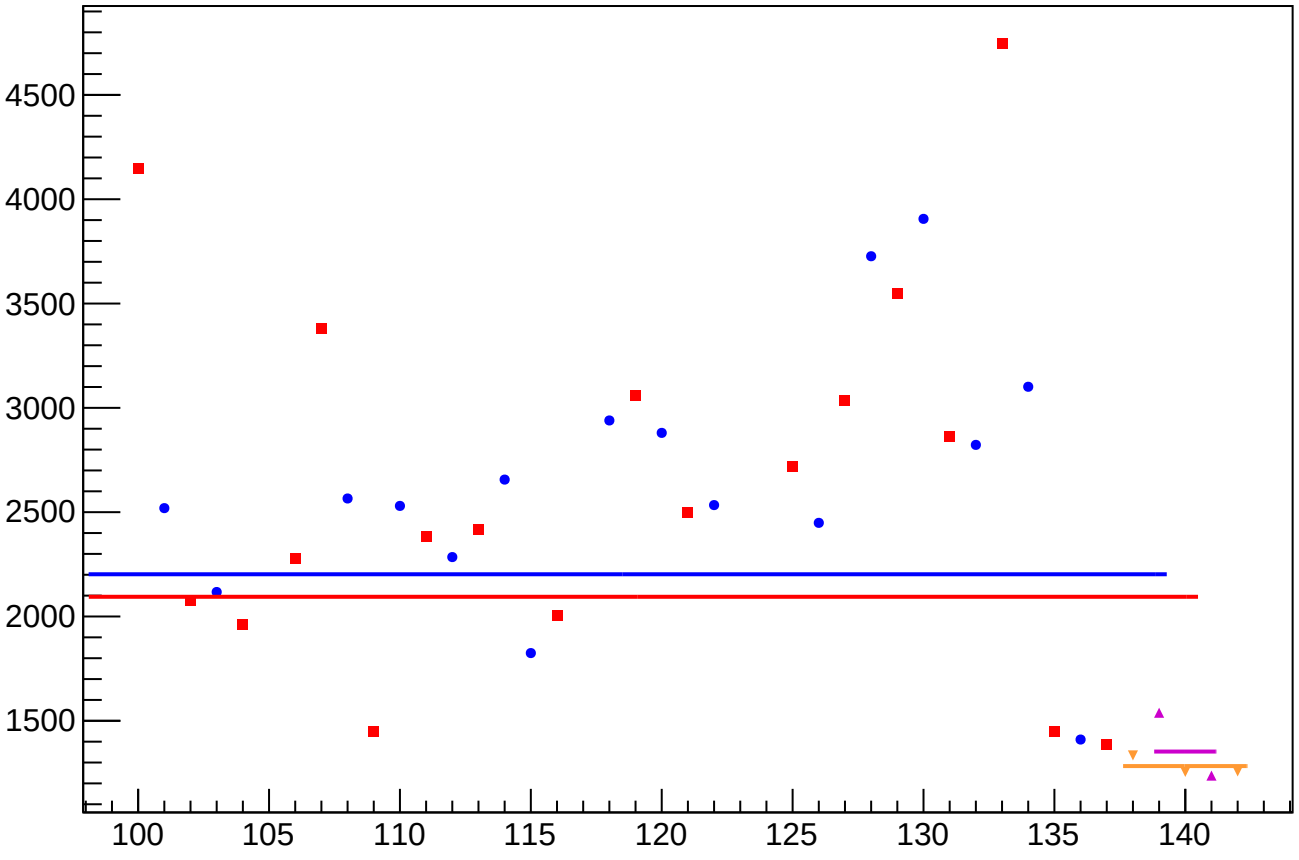
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -718.585+/-1037.442 χ^2/NDF:2.4/1

+ sign -546.384+/-621.226 χ^2/NDF: 32.2/18

All: -784.712+/-446.841 χ^2/NDF: 48.1/38

- sign -1040.203+/-643.205 χ^2/NDF: 15.6/19



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1283.007+/-0.635 χ^2/NDF:3441.7/2

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

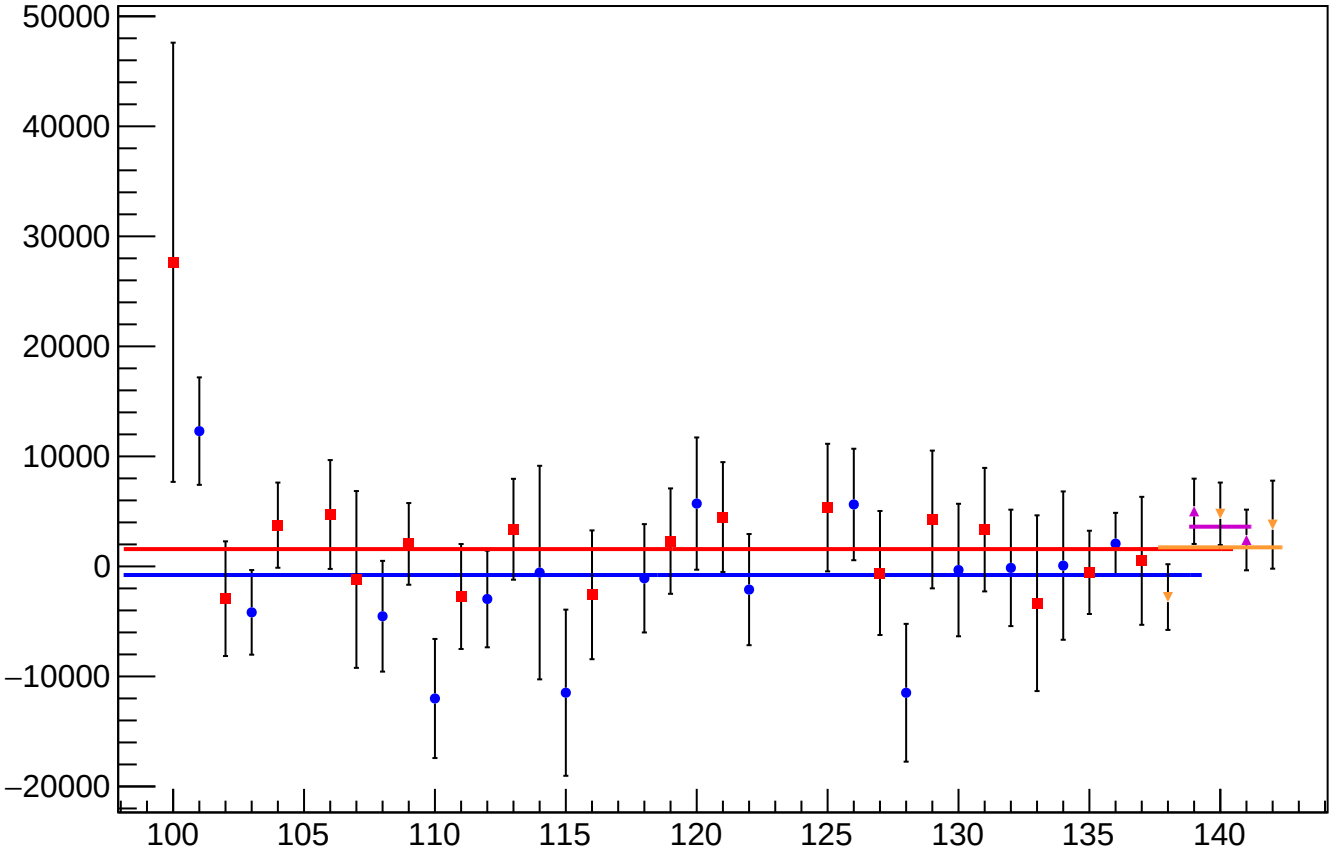
Left In: 1352.562+/-0.734 χ^2/NDF:39857.5/1

+ sign 1763.011+/-0.439 χ^2/NDF: 2319335.3/18

All: 1785.342+/-0.316 χ^2/NDF: 4367819.1/38

- sign 1809.281+/-0.455 χ^2/NDF: 2043129.3/19

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1732.430+/-1829.324 χ^2/NDF:3.7/2

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

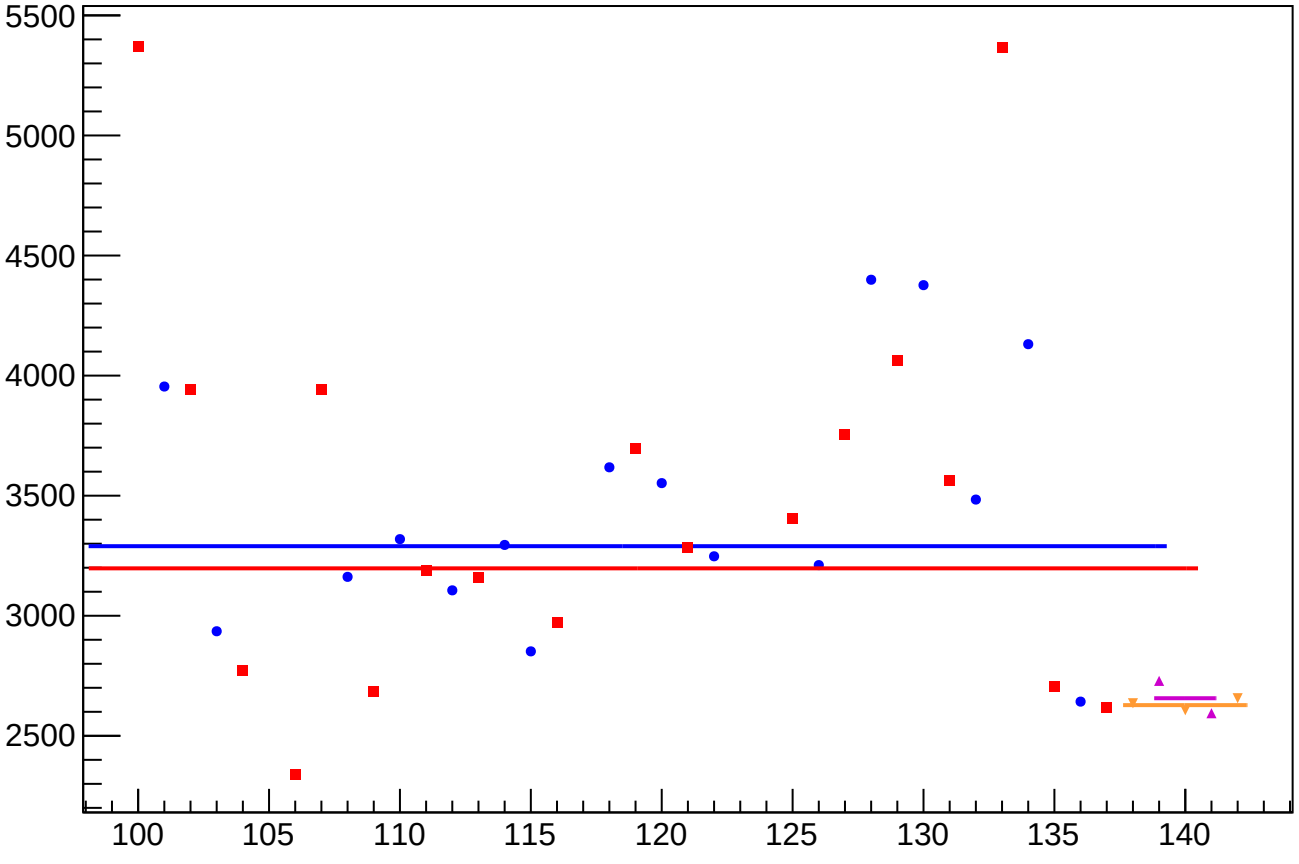
Left In: 3610.260+/-2020.089 χ^2/NDF:0.4/1

+ sign 11.356+/-1027.386 χ^2/NDF: 26.9/18

All: 1048.122+/-732.162 χ^2/NDF: 36.9/38

- sign 2118.020+/-1043.673 χ^2/NDF: 7.9/19

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2627.862+/-1.294 χ^2/NDF:231.2/2

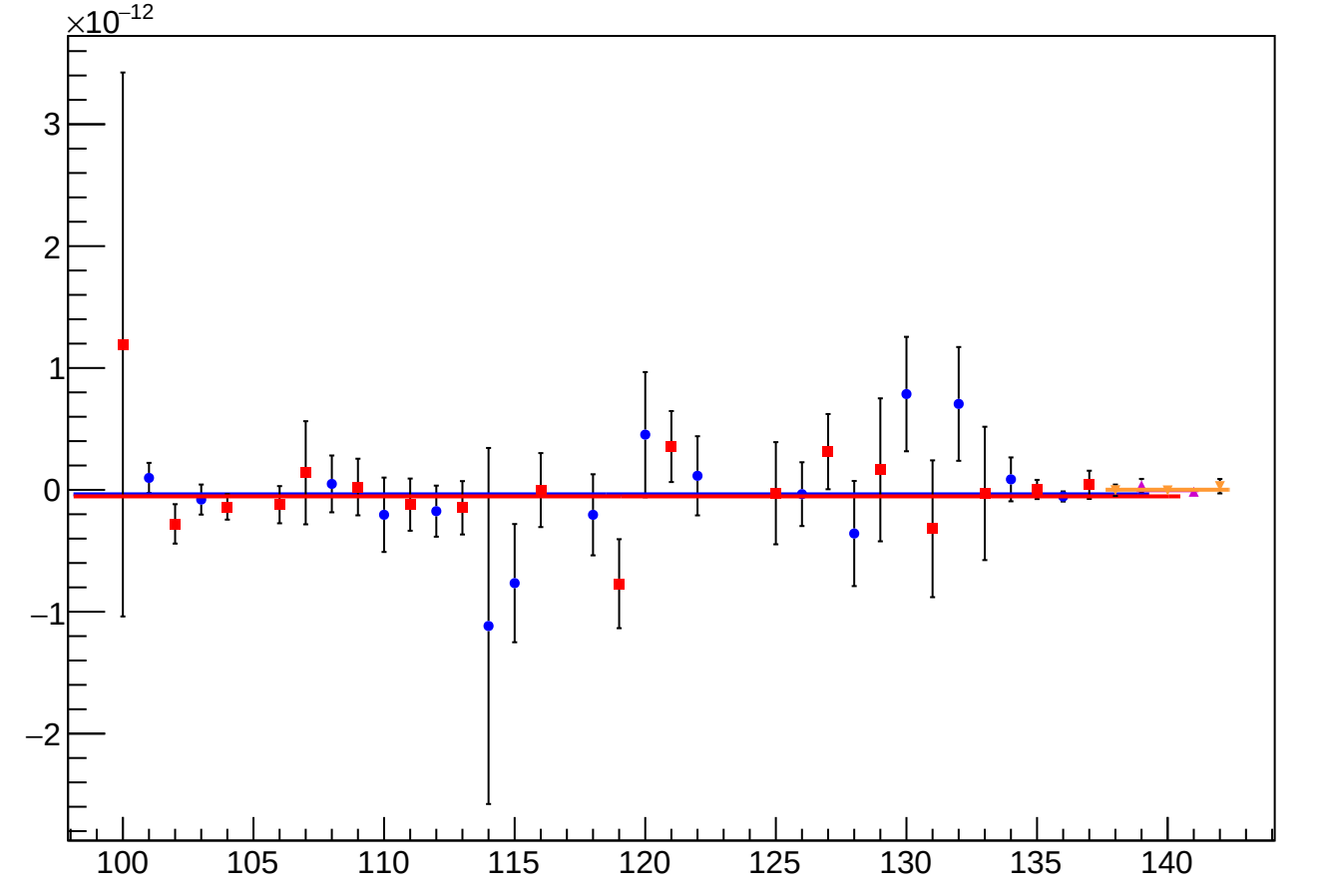
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2656.549+/-1.428 χ^2/NDF:2214.0/1

+ sign 3080.938+/-0.726 χ^2/NDF: 527036.3/18

All: 3067.198+/-0.518 χ^2/NDF: 1135000.3/38

- sign 3053.019+/-0.738 χ^2/NDF: 607237.2/19



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/2

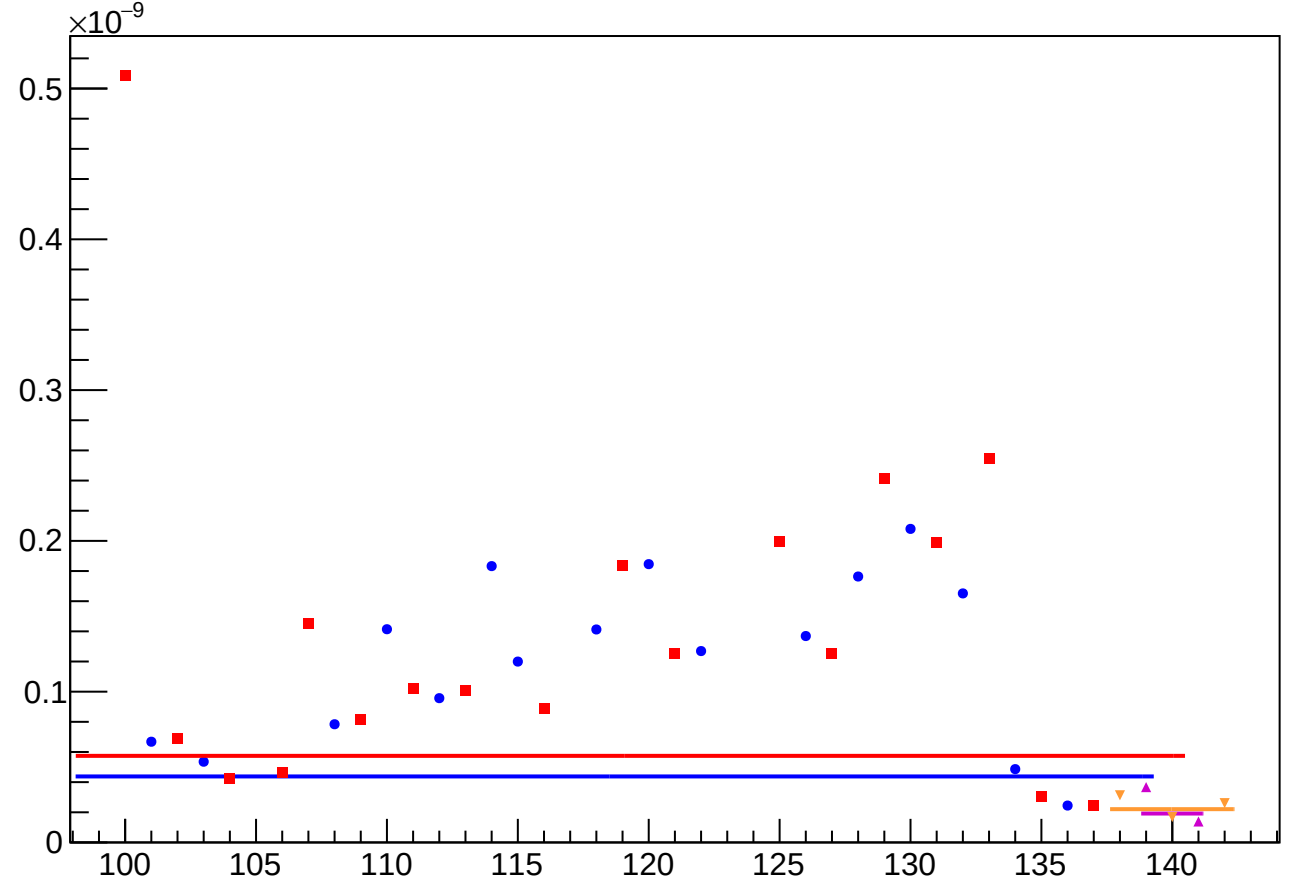
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

+ sign -0.000+/-0.000 χ^2/NDF: 14.3/18

All: -0.000+/-0.000 χ^2/NDF: 28.6/38

- sign -0.000+/-0.000 χ^2/NDF: 14.3/19



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:141859.3/2

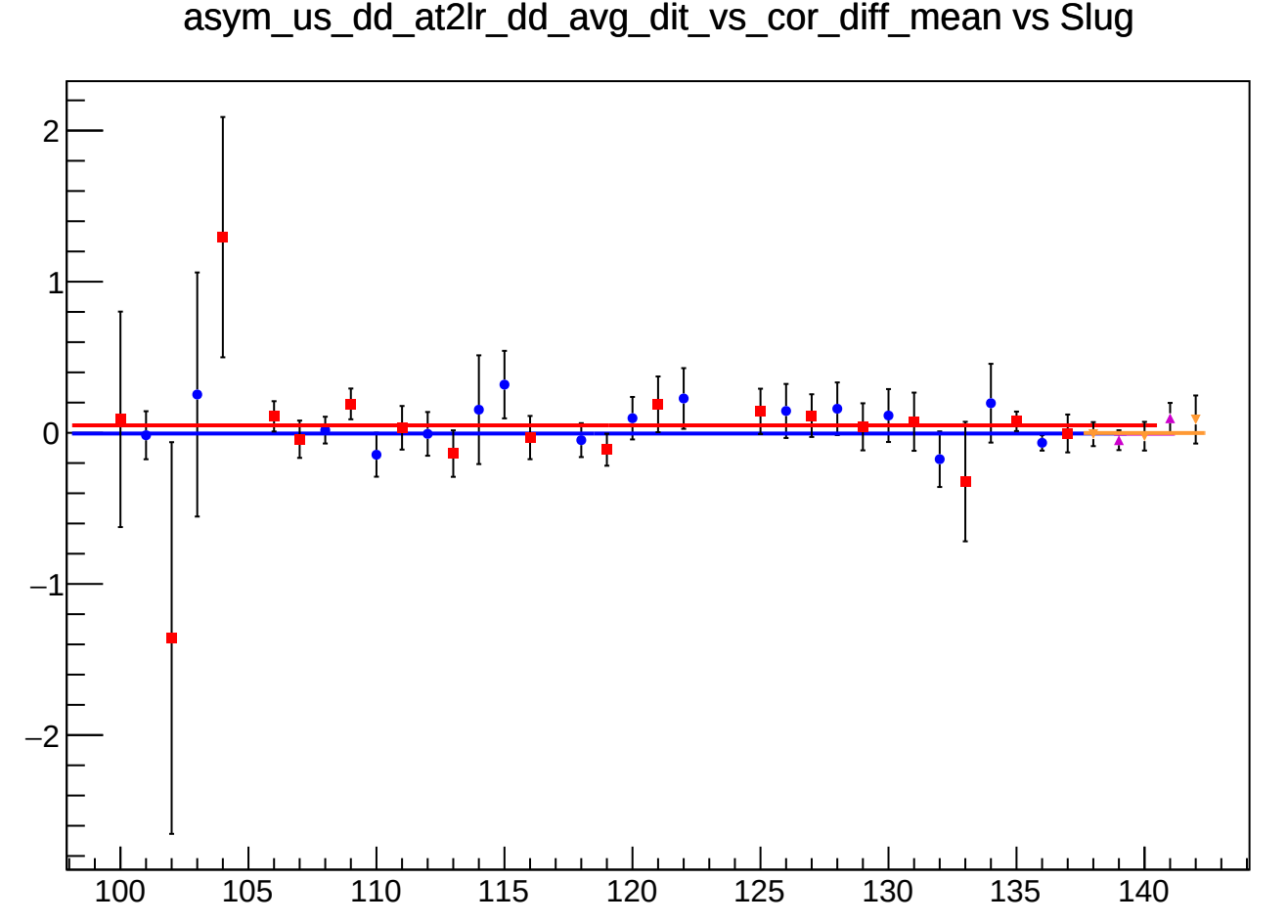
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:284228.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 2908332.6/18

All: 0.000+/-0.000 χ^2/NDF: 6436484.5/38

- sign 0.000+/-0.000 χ^2/NDF: 3528119.5/19



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.001+/-0.057 χ^2/NDF:0.4/2

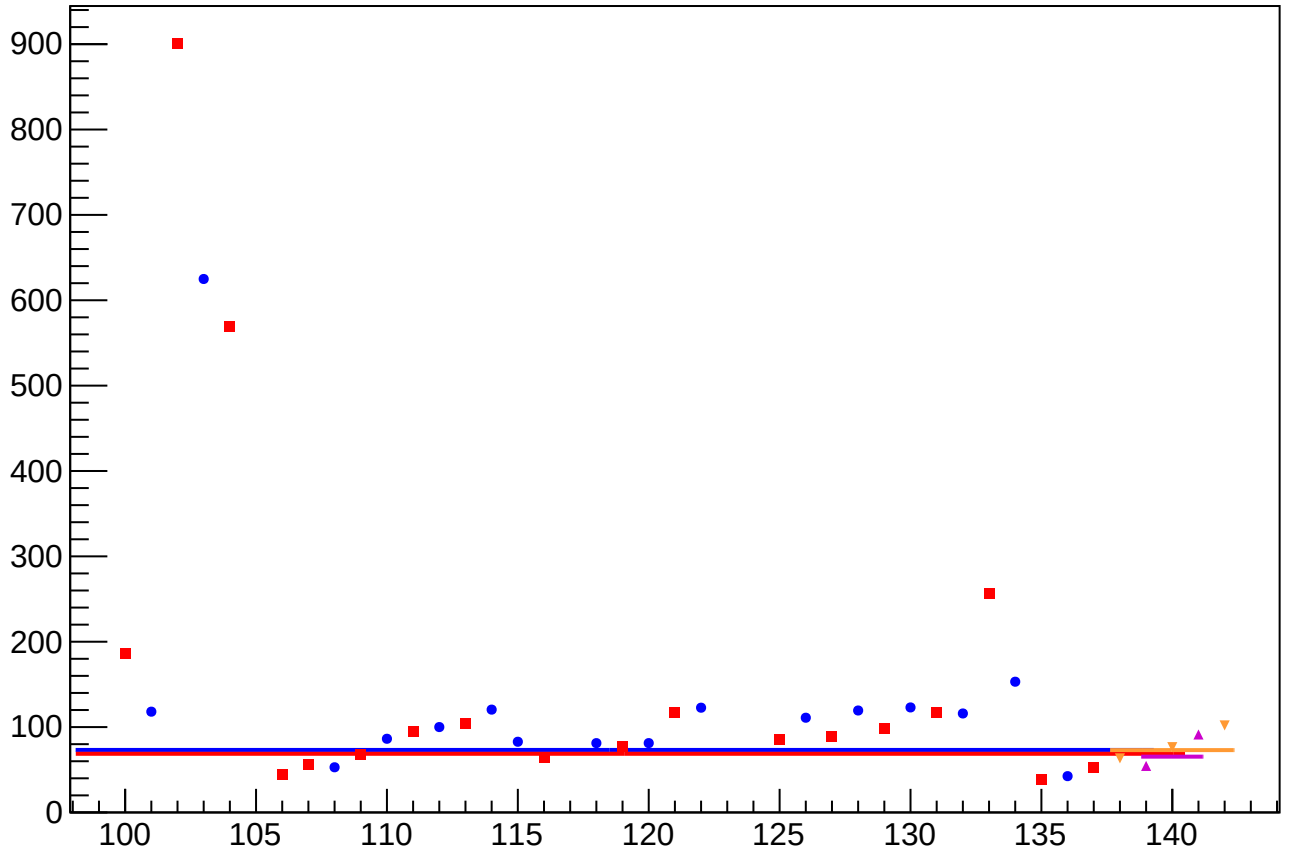
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.006+/-0.055 χ^2/NDF:1.4/1

+ sign -0.004+/-0.028 χ^2/NDF: 10.7/18

All: 0.016+/-0.020 χ^2/NDF: 26.9/38

- sign 0.036+/-0.027 χ^2/NDF: 15.2/19



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 73.032+/-0.040 χ^2/NDF:98255.4/2

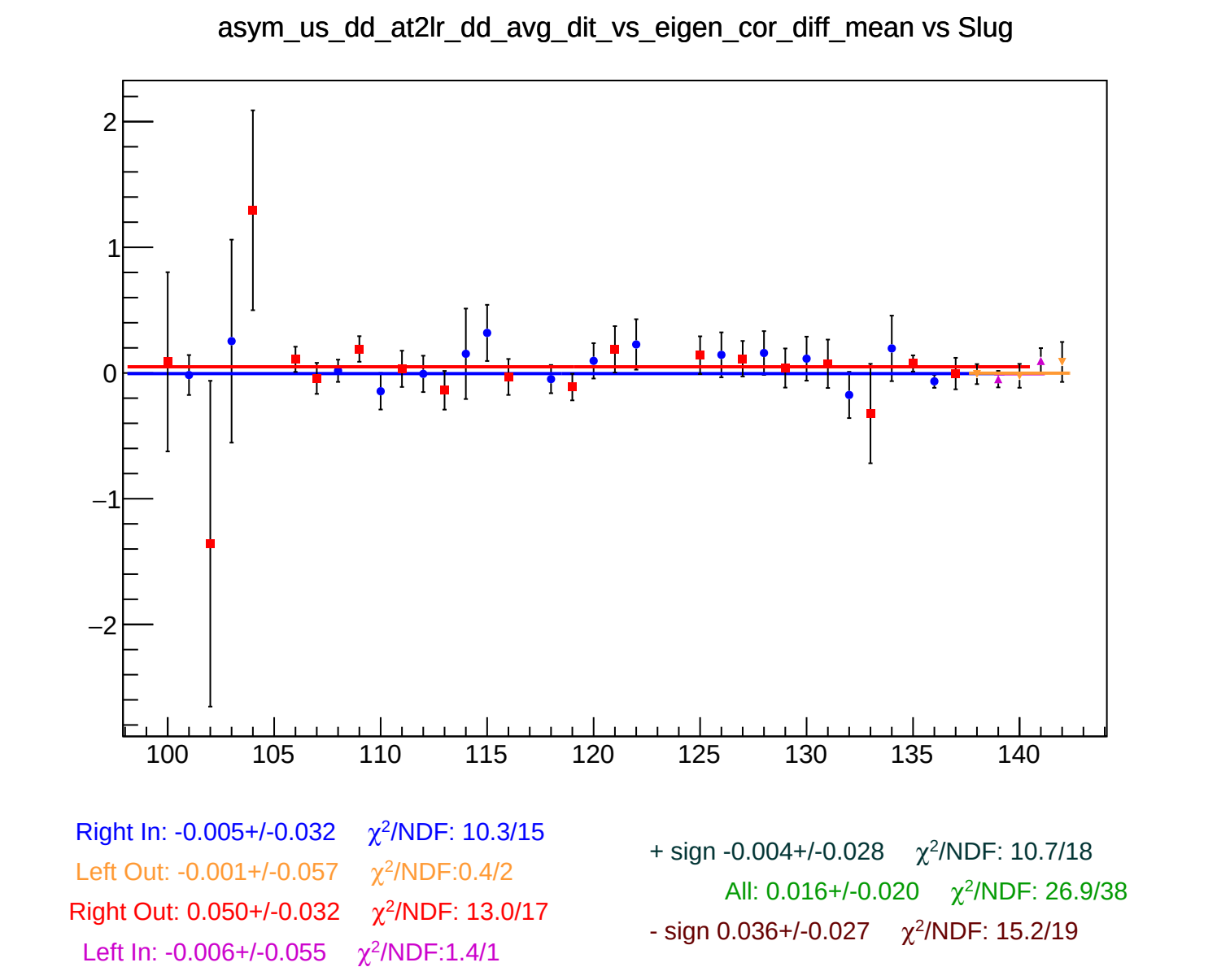
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 65.372+/-0.039 χ^2/NDF:185222.5/1

+ sign 73.185+/-0.020 χ^2/NDF: 2952875.8/18

All: 70.484+/-0.014 χ^2/NDF: 6511755.8/38

- sign 67.894+/-0.019 χ^2/NDF: 3522521.8/19


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
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−1
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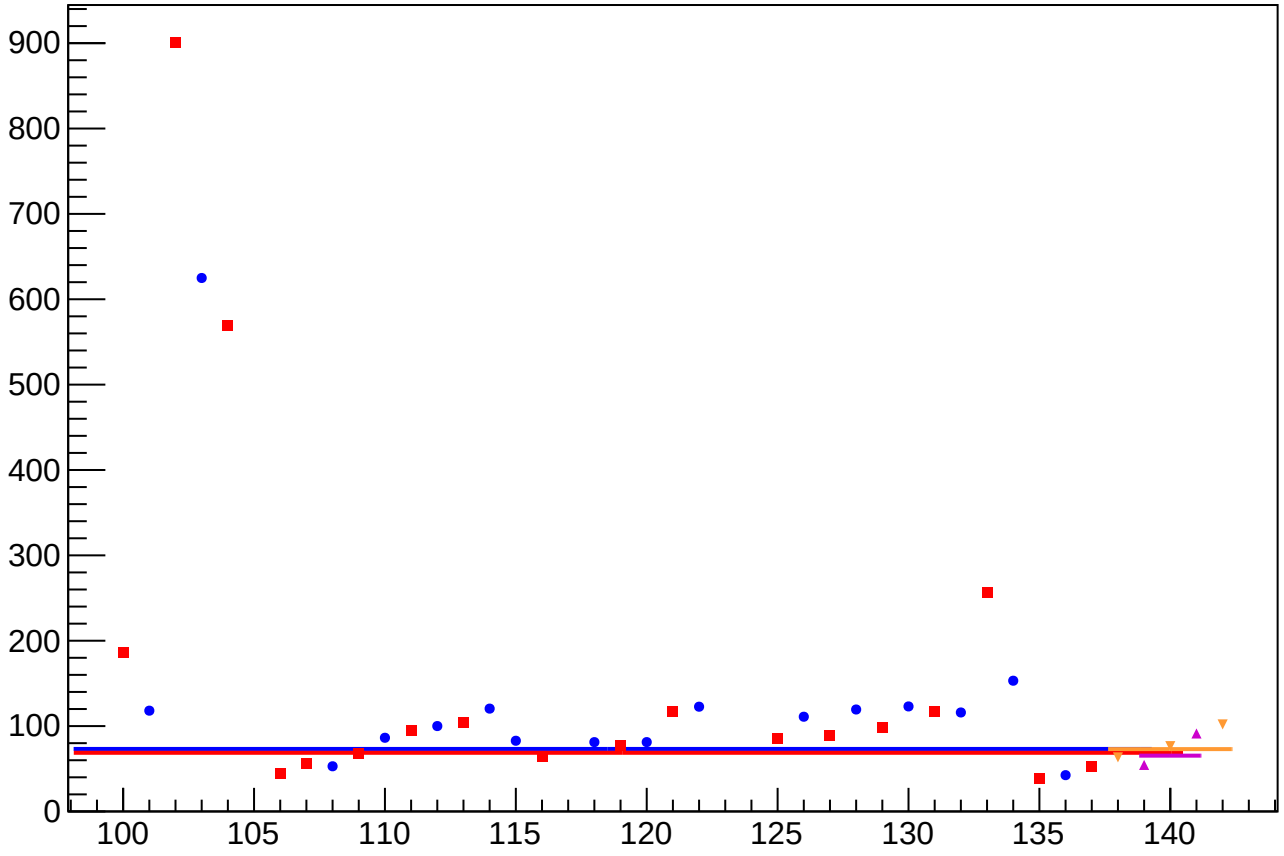
115
120
125
130
135
140
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.001+/-0.057 χ²/NDF:0.4/2
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.006+/-0.055 χ²/NDF:1.4/1
+ sign -0.004+/-0.028 χ²/NDF: 10.7/18
All: 0.016+/-0.020 χ²/NDF: 26.9/38
- sign 0.036+/-0.027 χ²/NDF: 15.2/19

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 73.032+/-0.040 χ^2/NDF:98255.4/2

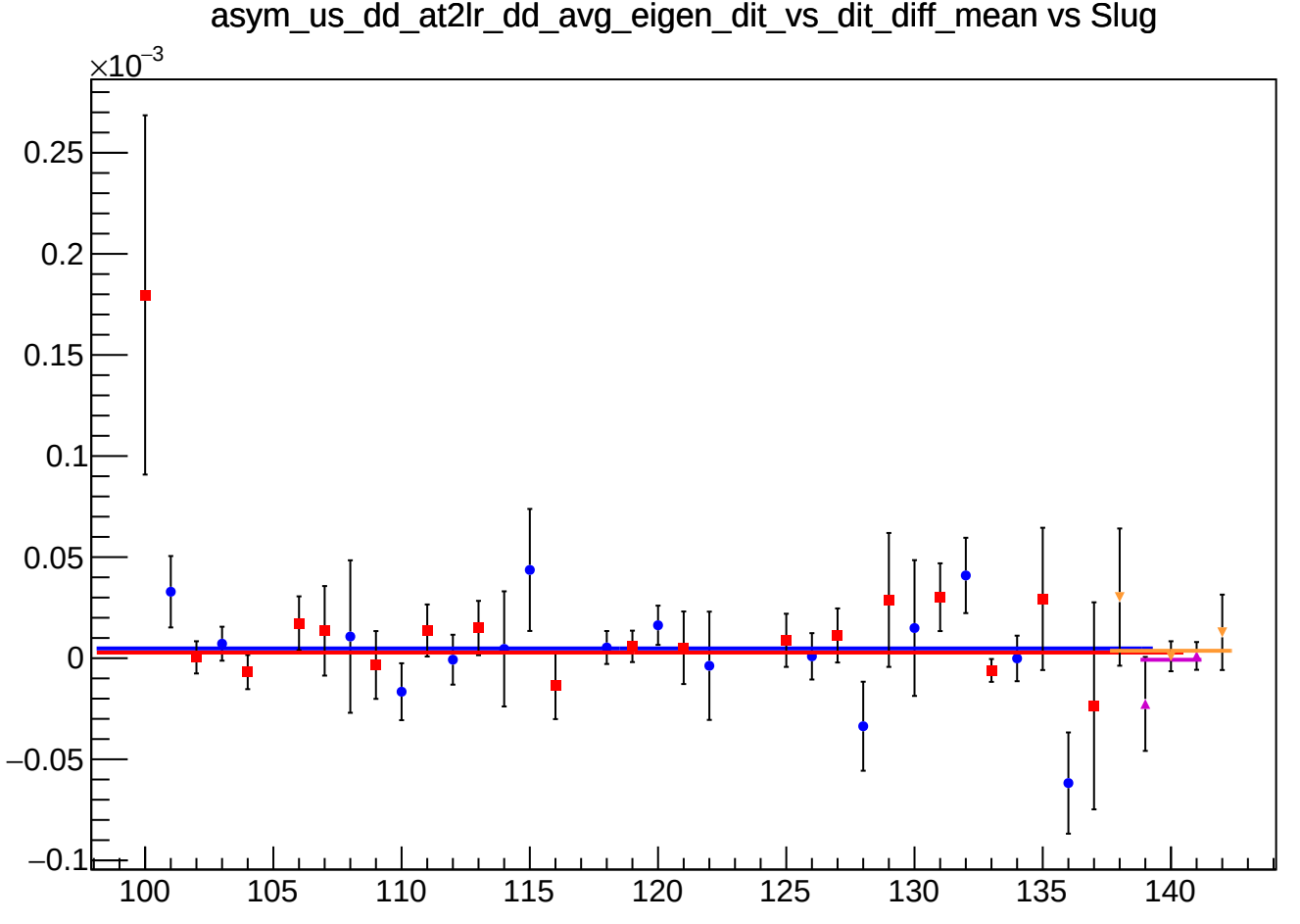
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 65.372+/-0.039 χ^2/NDF:185222.5/1

+ sign 73.185+/-0.020 χ^2/NDF: 2952875.8/18

All: 70.484+/-0.014 χ^2/NDF: 6511755.8/38

- sign 67.894+/-0.019 χ^2/NDF: 3522521.8/19



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/2

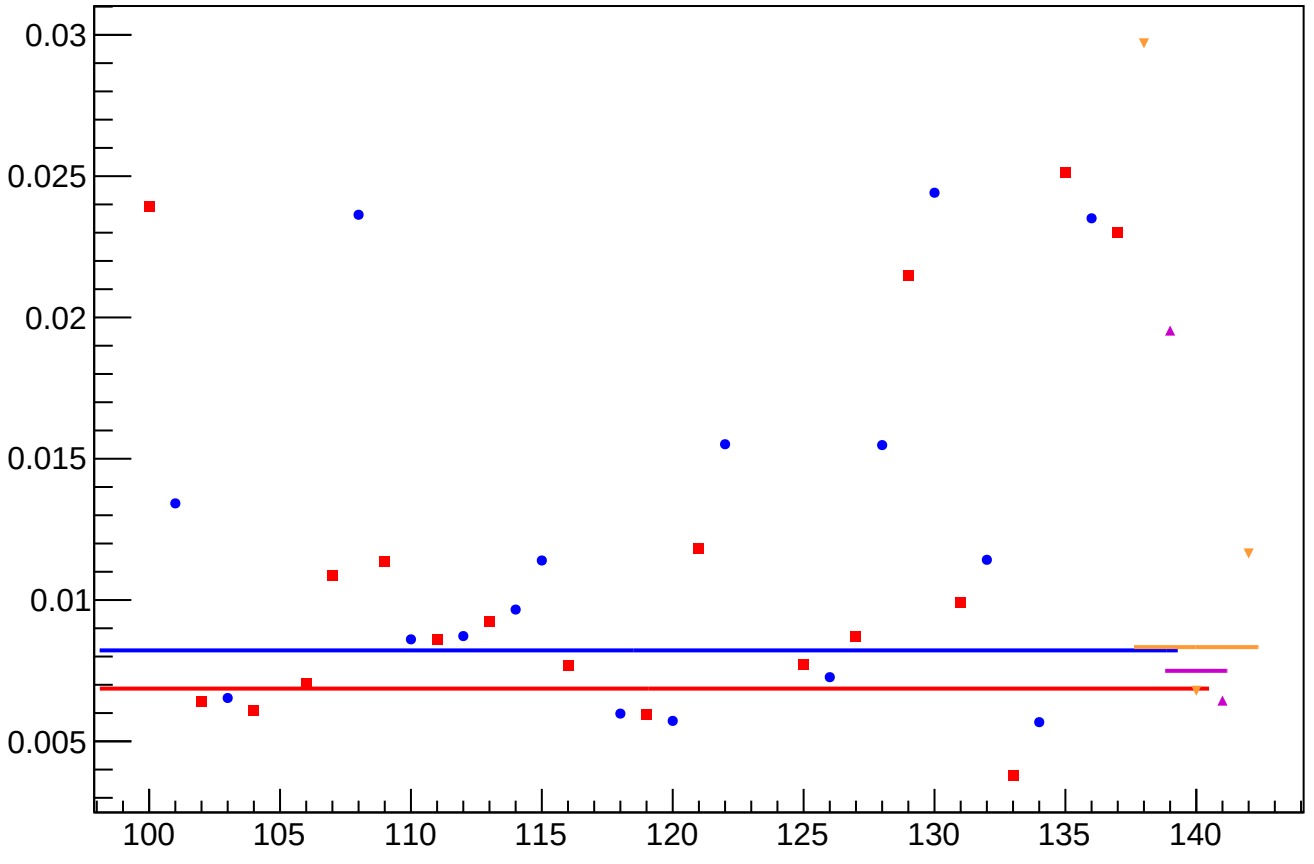
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/18

All: 0.000+/-0.000 χ^2/NDF: 41.9/38

- sign 0.000+/-0.000 χ^2/NDF: 18.0/19



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:942813.1/2

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

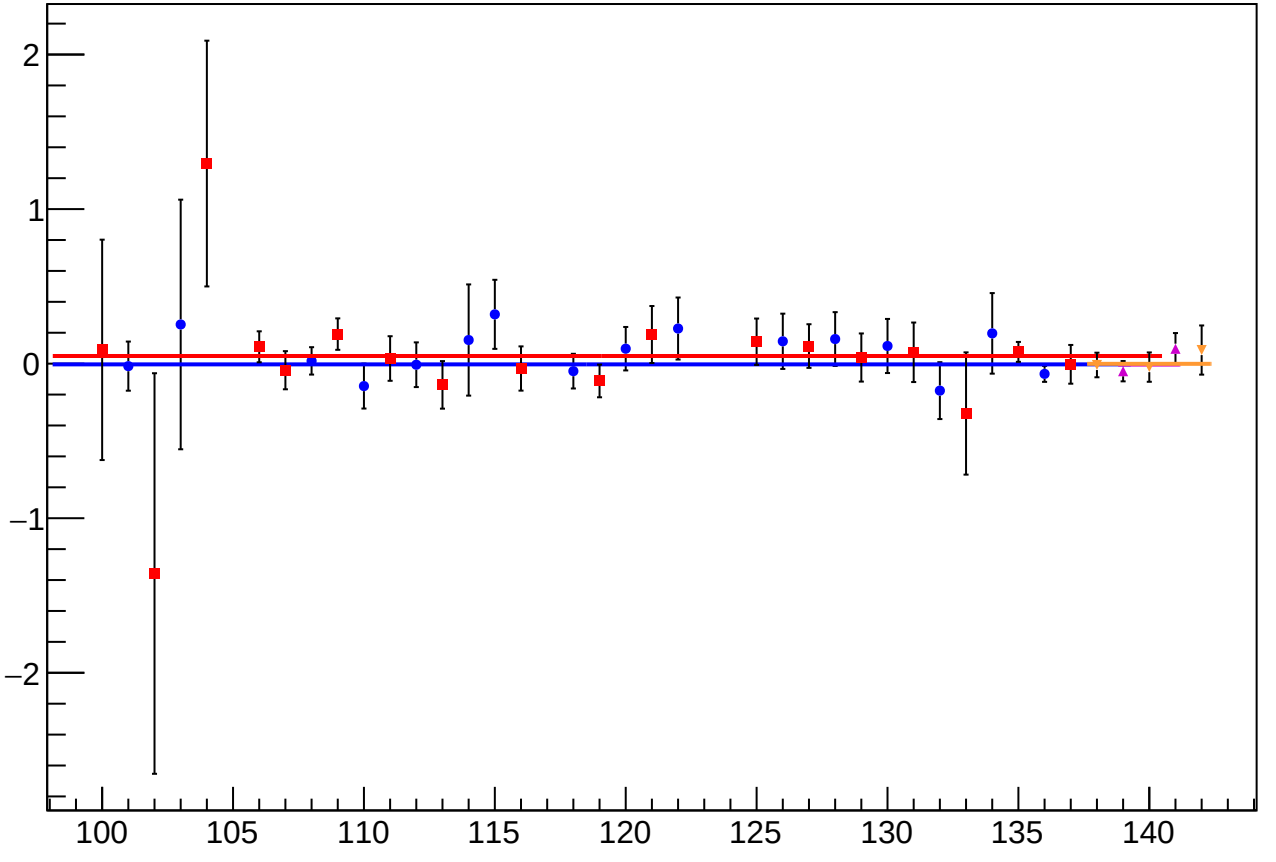
Left In: 0.007+/-0.000 χ^2/NDF:583996.4/1

+ sign 0.008+/-0.000 χ^2/NDF: 3599454.7/18

All: 0.007+/-0.000 χ^2/NDF: 6824592.6/38

- sign 0.007+/-0.000 χ^2/NDF: 3025815.0/19

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.001+/-0.057 χ^2/NDF:0.4/2

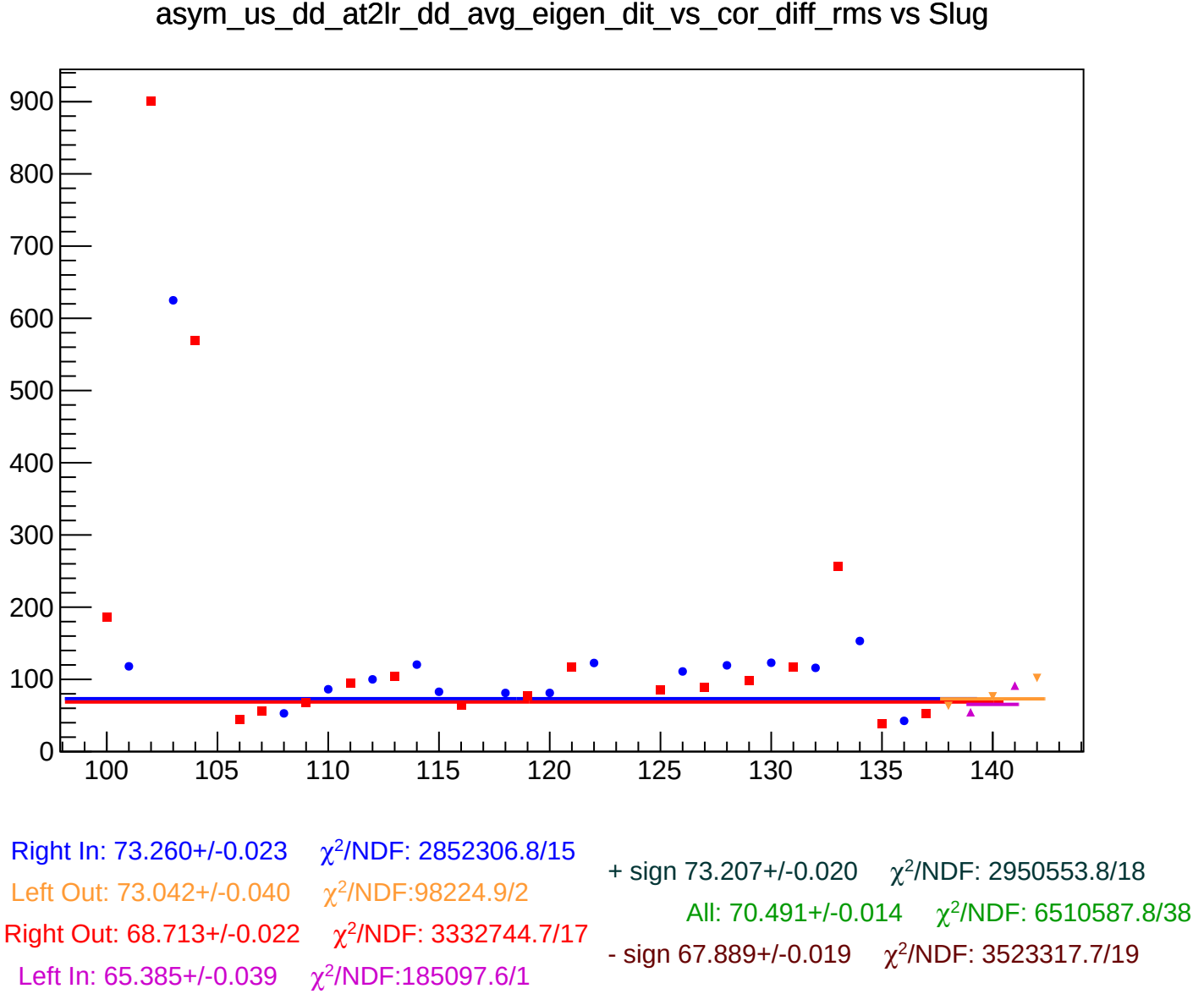
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.006+/-0.055 χ^2/NDF:1.4/1

+ sign -0.004+/-0.028 χ^2/NDF: 10.7/18

All: 0.016+/-0.020 χ^2/NDF: 26.9/38

- sign 0.036+/-0.027 χ^2/NDF: 15.2/19


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
900
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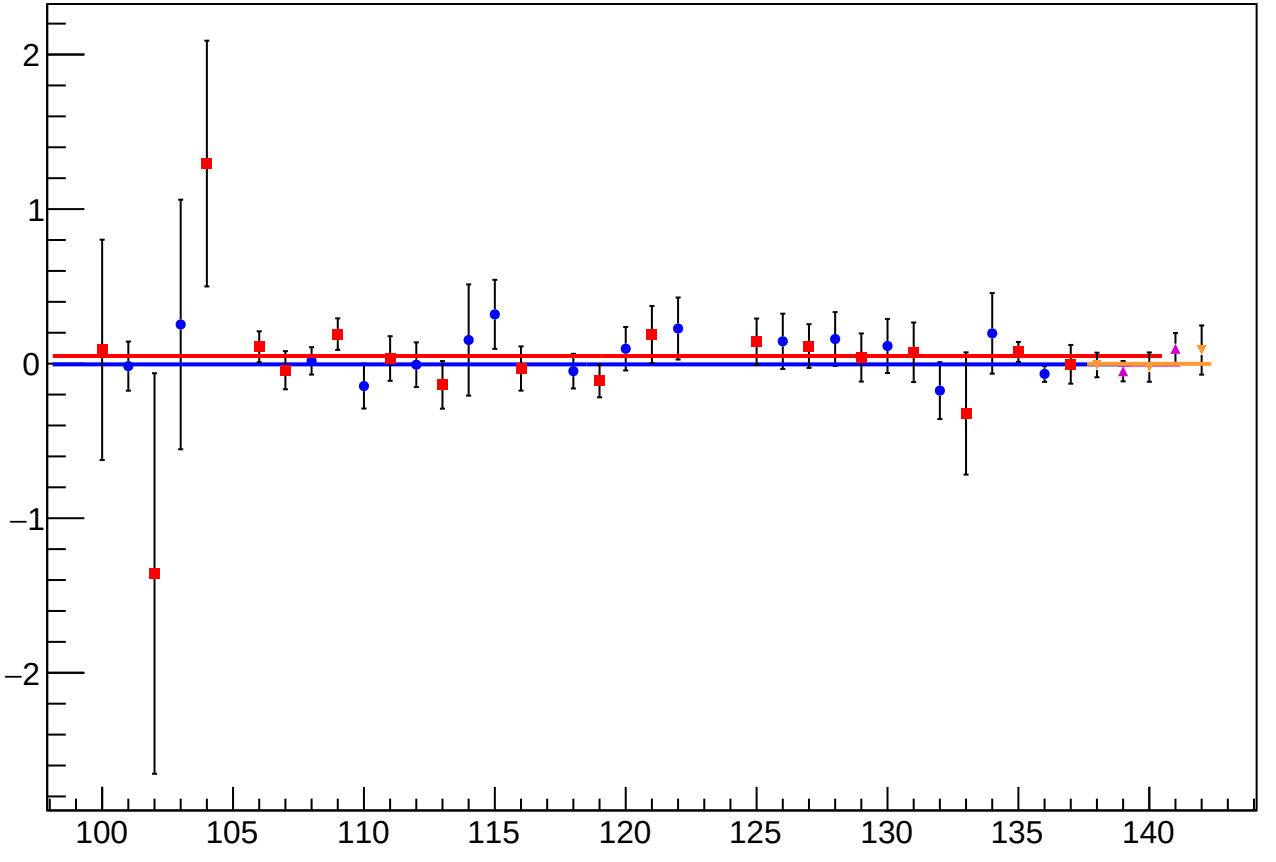
135
140
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 73.042+/-0.040 χ²/NDF:98224.9/2
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 65.385+/-0.039 χ²/NDF:185097.6/1
+ sign 73.207+/-0.020 χ²/NDF: 2950553.8/18
All: 70.491+/-0.014 χ²/NDF: 6510587.8/38
- sign 67.889+/-0.019 χ²/NDF: 3523317.7/19

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

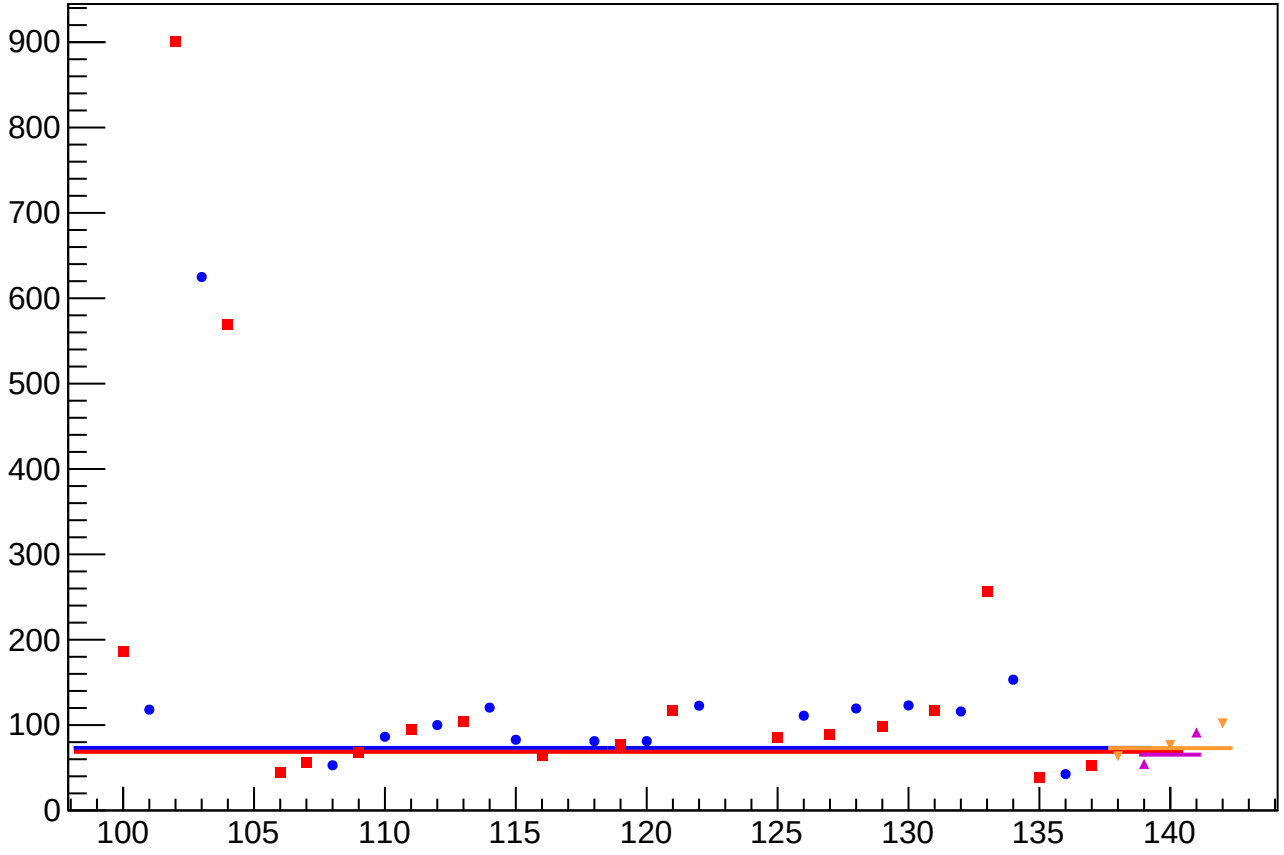
Left In: -0.006+/-0.055 χ^2/NDF:1.4/1

+ sign -0.004+/-0.028 χ^2/NDF: 10.7/18

All: 0.016+/-0.020 χ^2/NDF: 26.9/38

- sign 0.036+/-0.027 χ^2/NDF: 15.2/19

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 73.042+/-0.040 χ^2/NDF:98224.9/2

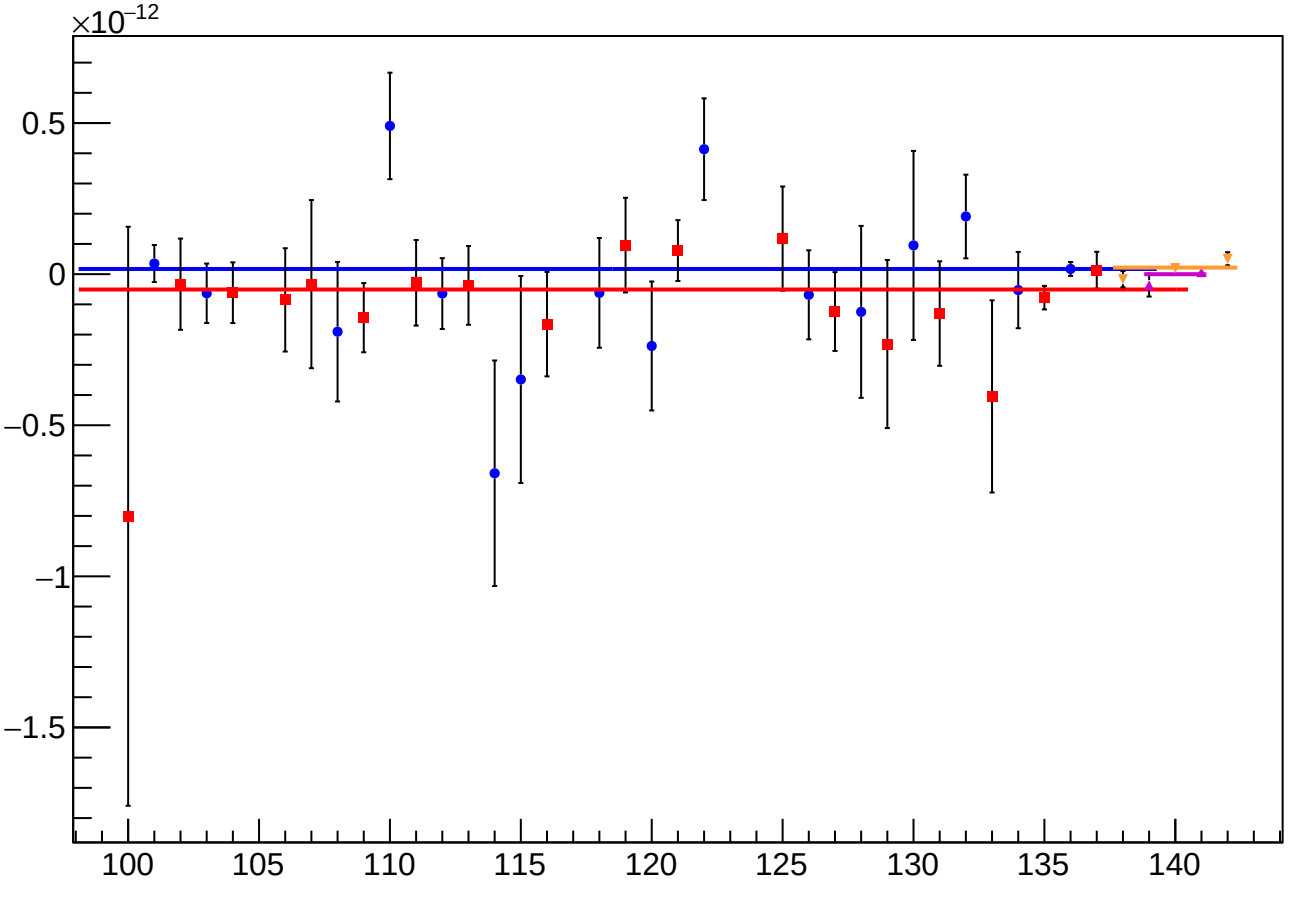
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 65.385+/-0.039 χ^2/NDF:185097.6/1

+ sign 73.207+/-0.020 χ^2/NDF: 2950553.8/18

All: 70.491+/-0.014 χ^2/NDF: 6510587.8/38

- sign 67.889+/-0.019 χ^2/NDF: 3523317.7/19



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/2

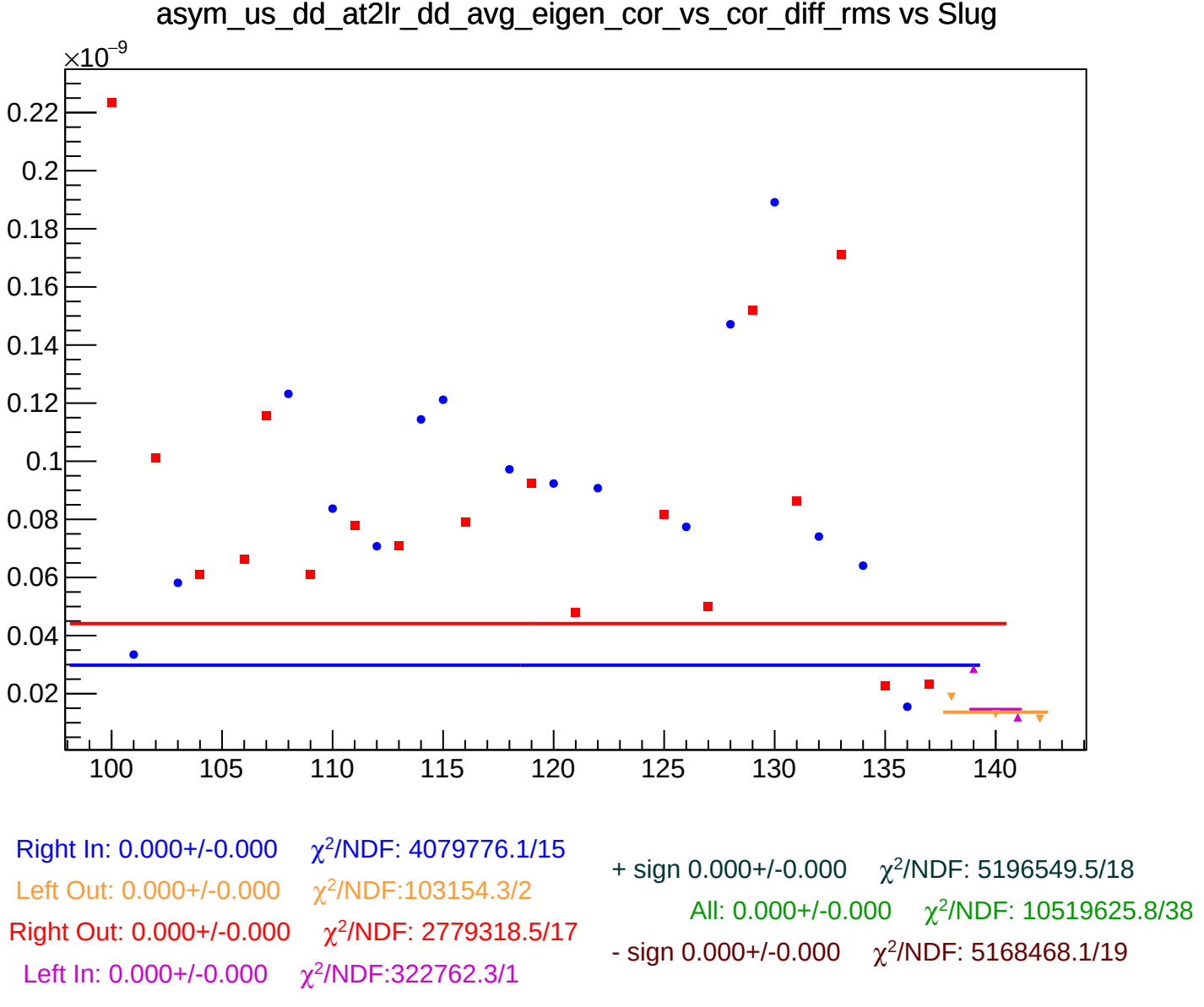
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/18

All: 0.000+/-0.000 χ^2/NDF: 44.8/38

- sign -0.000+/-0.000 χ^2/NDF: 13.2/19


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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0.2
0.18
0.16
0.14
0.12
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0.02
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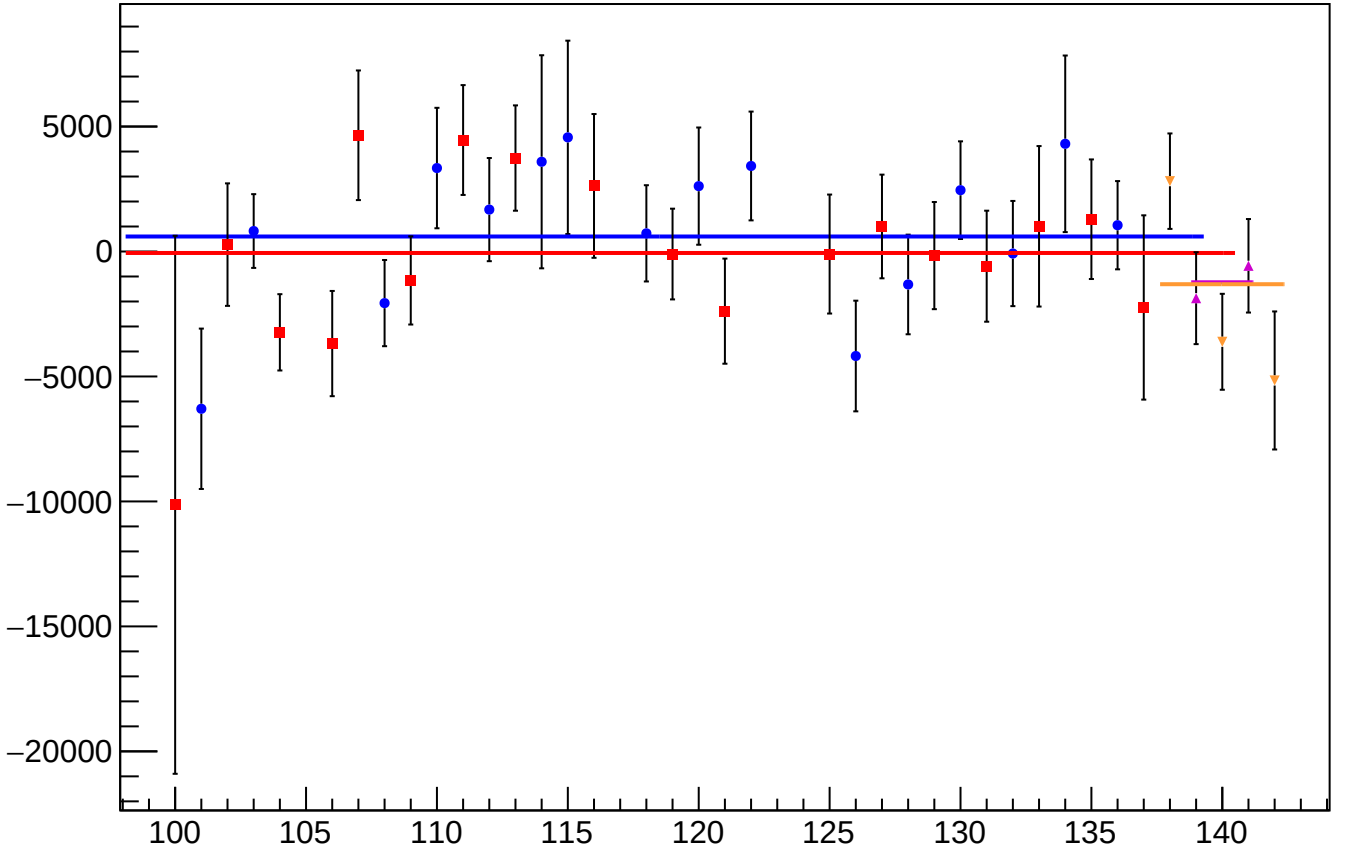
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:103154.3/2
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:322762.3/1
+ sign 0.000+/-0.000 χ²/NDF: 5196549.5/18
All: 0.000+/-0.000 χ²/NDF: 10519625.8/38
- sign 0.000+/-0.000 χ²/NDF: 5168468.1/19

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1308.671+/-1215.536 χ^2/NDF:8.0/2

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

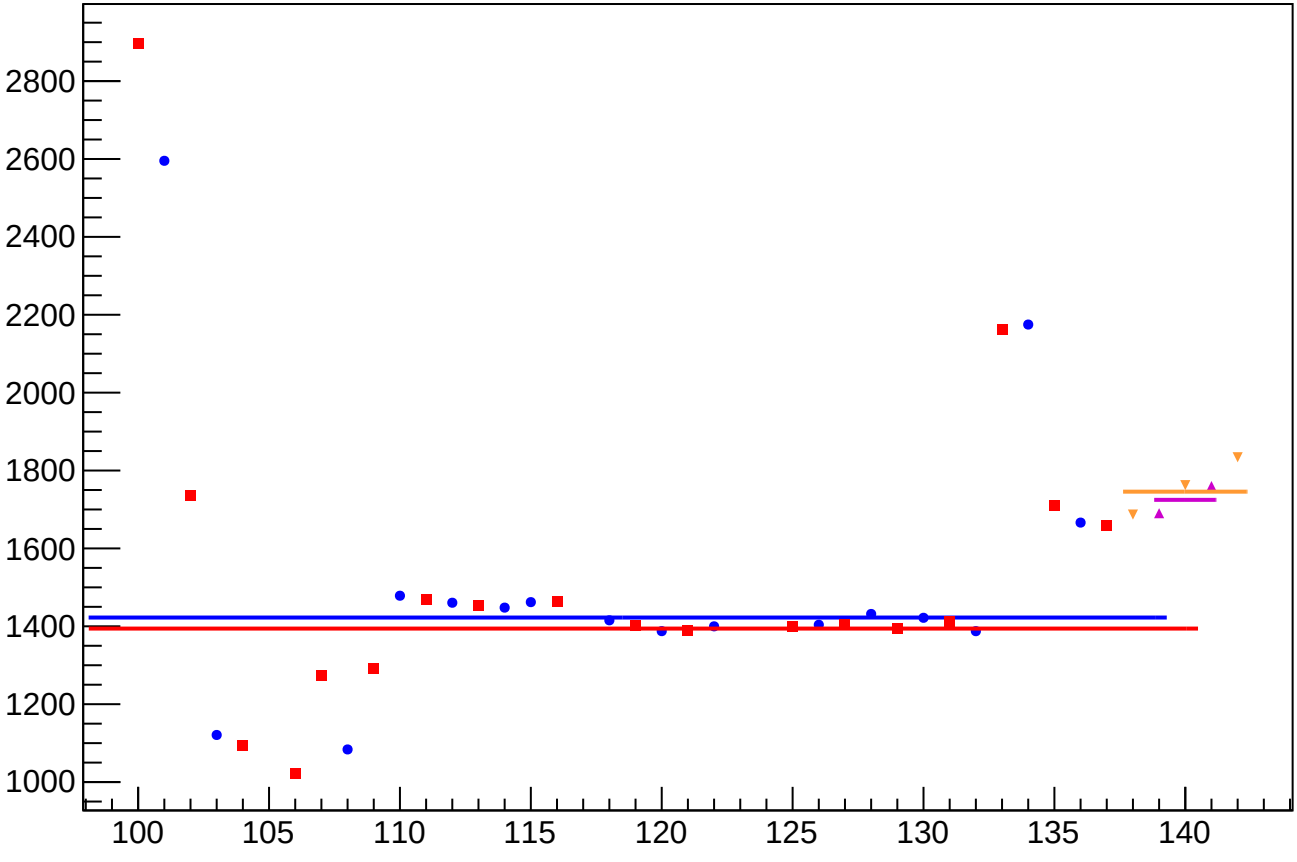
Left In: -1231.079+/-1311.336 χ^2/NDF:0.2/1

+ sign 285.470+/-493.535 χ^2/NDF: 30.4/18

All: 29.825+/-348.277 χ^2/NDF: 54.4/38

- sign -223.765+/-491.547 χ^2/NDF: 23.5/19

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1745.740+/-0.860 χ^2/NDF:4094.1/2

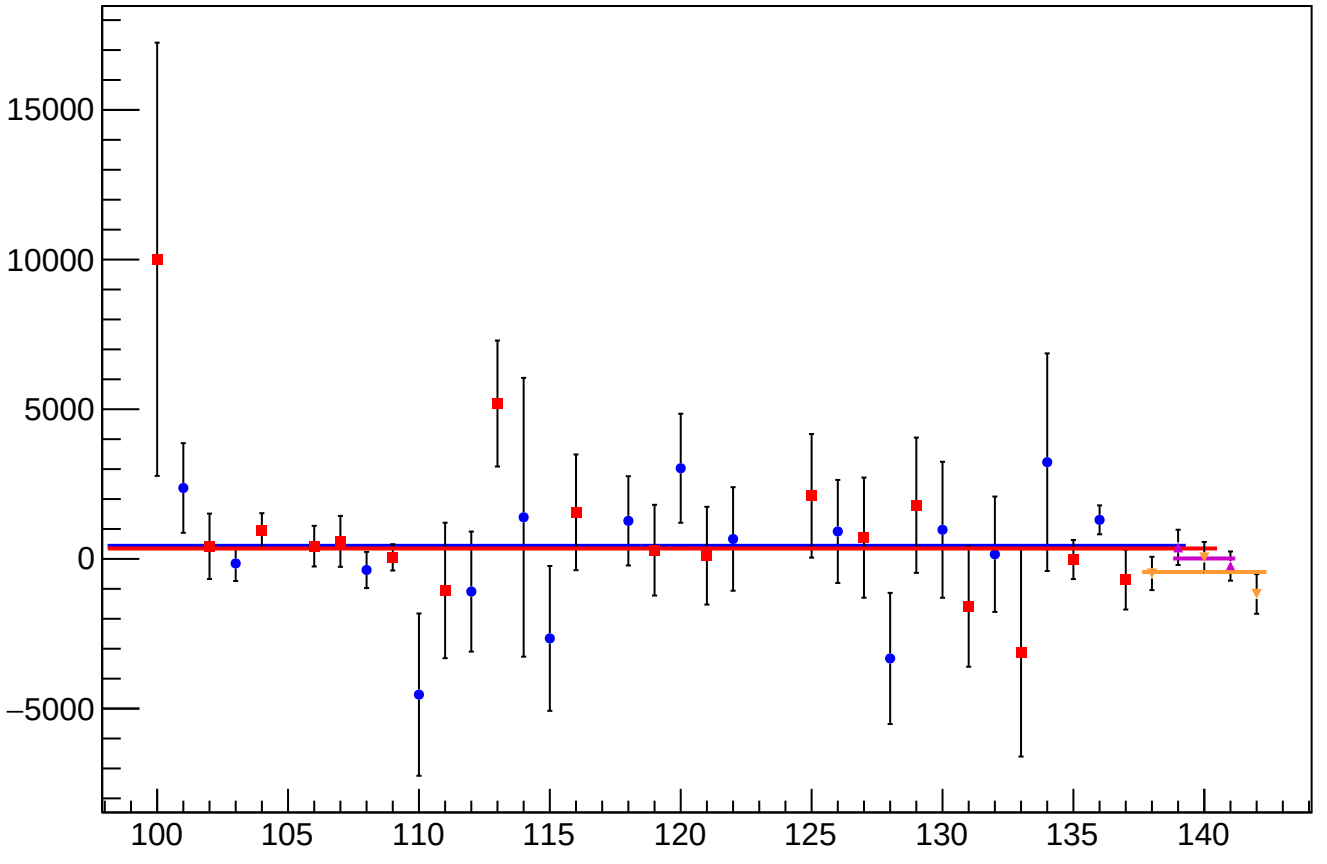
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1724.705+/-0.927 χ^2/NDF:1414.0/1

+ sign 1475.800+/-0.349 χ^2/NDF: 682458.3/18

All: 1458.135+/-0.246 χ^2/NDF: 1191855.4/38

- sign 1440.613+/-0.348 χ^2/NDF: 504293.7/19



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -438.269+/-328.957 χ^2/NDF:2.1/2

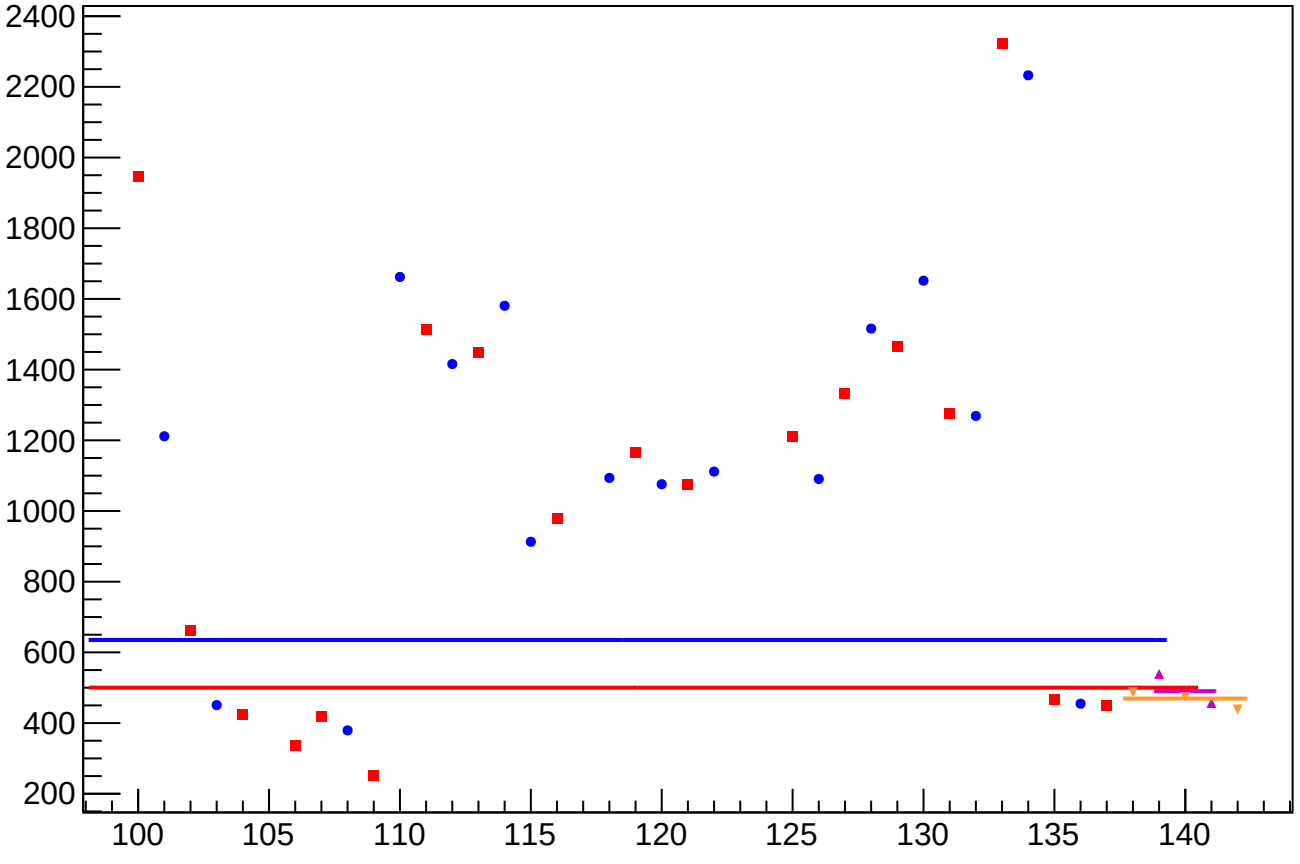
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 14.734+/-375.745 χ^2/NDF:0.7/1

+ sign 75.243+/-211.400 χ^2/NDF: 25.6/18

All: 171.009+/-144.696 χ^2/NDF: 41.1/38

- sign 255.423+/-198.475 χ^2/NDF: 15.2/19



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 469.450+/-0.233 χ^2/NDF:6517.1/2

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

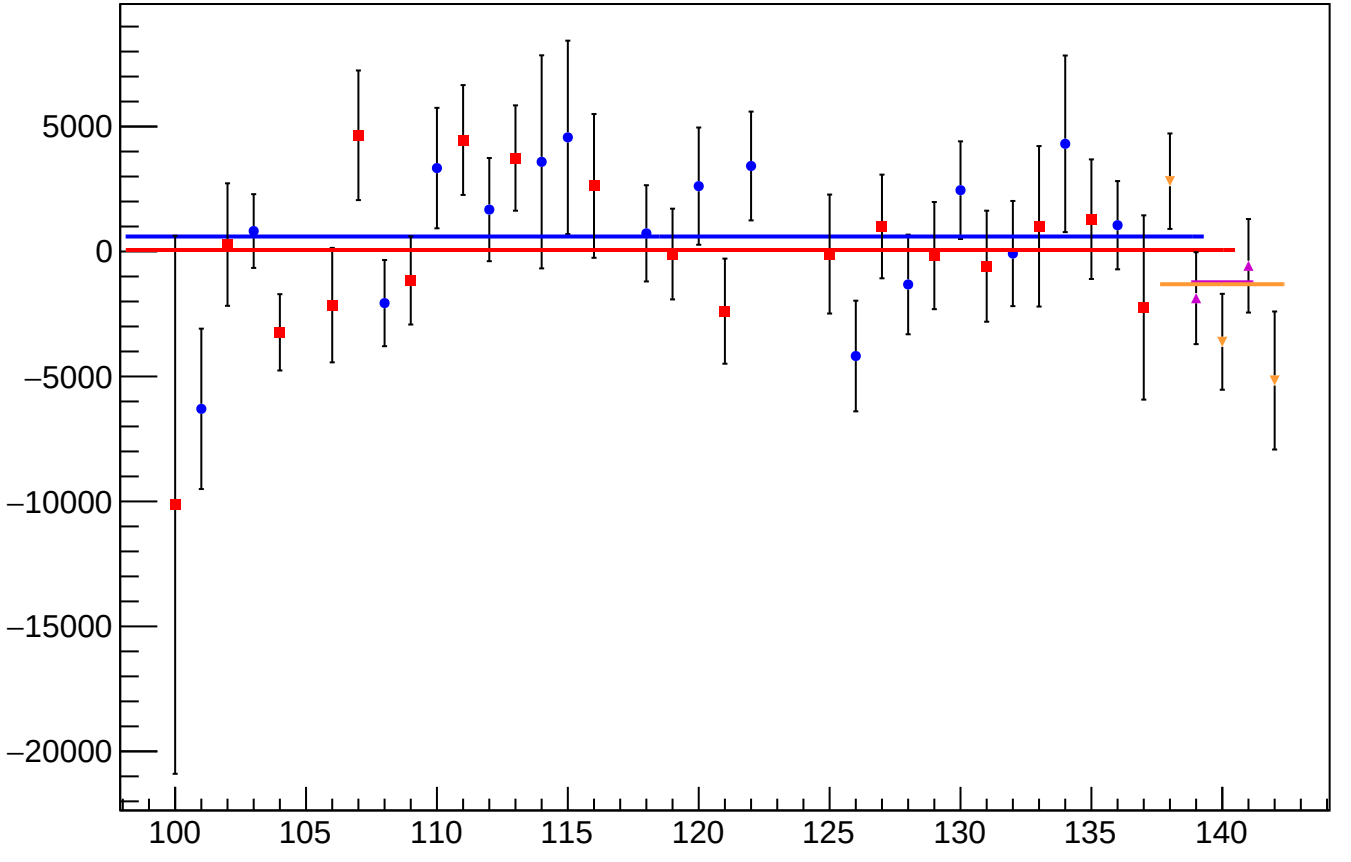
Left In: 490.299+/-0.266 χ^2/NDF:23065.0/1

+ sign 566.710+/-0.149 χ^2/NDF: 4056929.9/18

All: 529.904+/-0.102 χ^2/NDF: 8504164.8/38

- sign 497.460+/-0.140 χ^2/NDF: 4333165.6/19

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1308.953+/-1215.536 χ^2/NDF:8.0/2

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

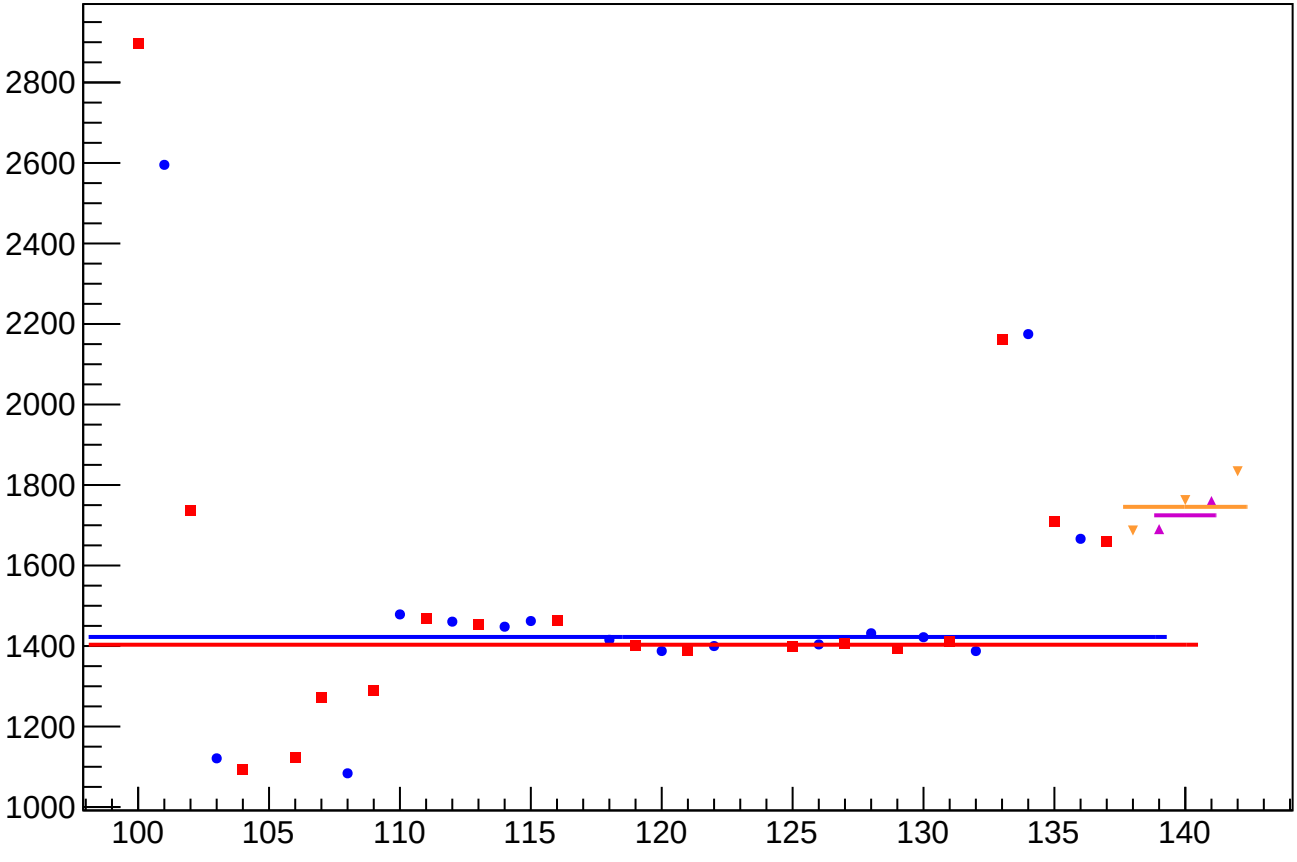
Left In: -1231.240+/-1311.336 χ^2/NDF:0.2/1

+ sign 285.318+/-493.535 χ^2/NDF: 30.4/18

All: 81.368+/-349.017 χ^2/NDF: 52.2/38

- sign -122.664+/-493.633 χ^2/NDF: 21.4/19

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1745.740+/-0.860 χ^2/NDF:4094.1/2

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

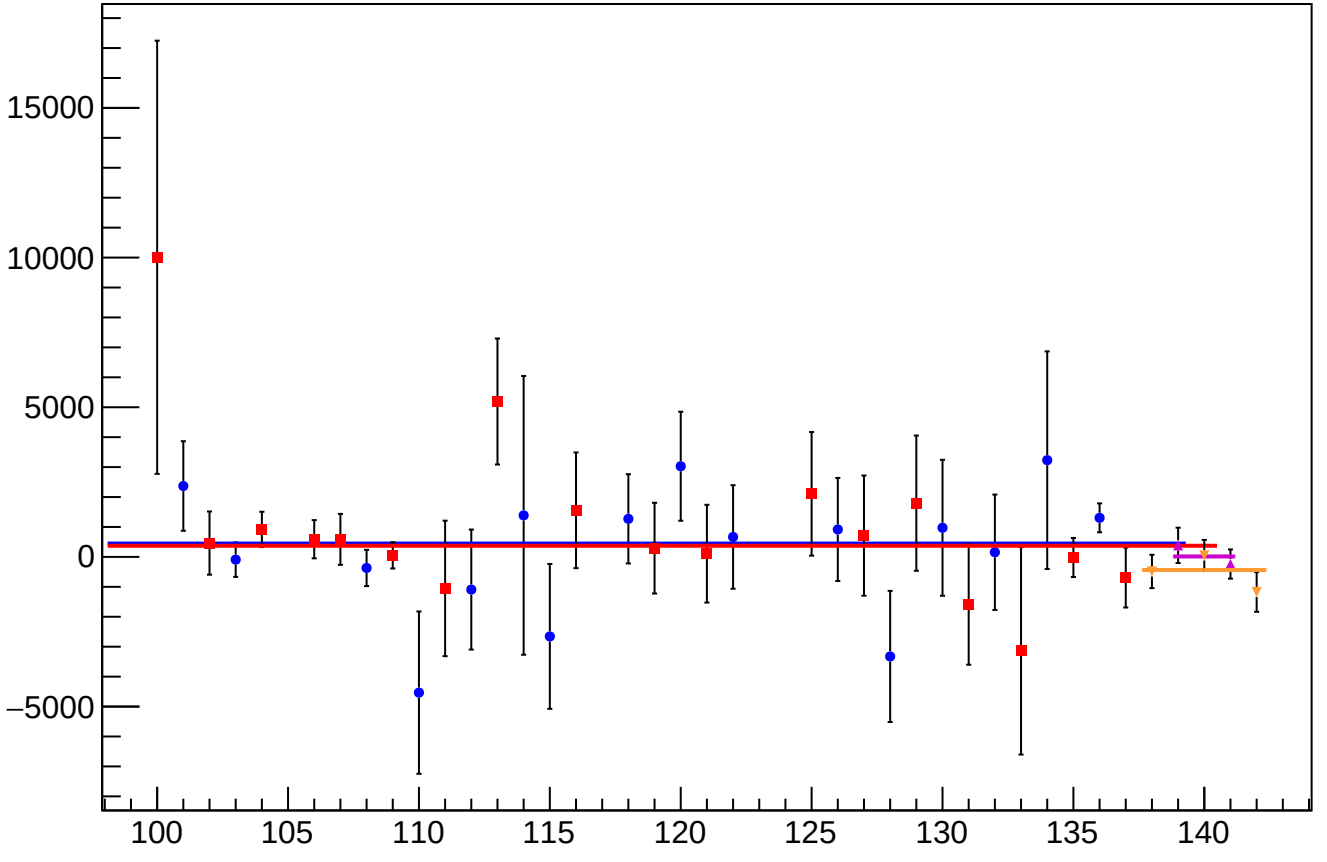
Left In: 1724.705+/-0.927 χ^2/NDF:1414.0/1

+ sign 1475.800+/-0.349 χ^2/NDF: 682458.6/18

All: 1462.290+/-0.247 χ^2/NDF: 1149155.9/38

- sign 1448.775+/-0.349 χ^2/NDF: 463699.6/19

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -438.460+/-328.977 χ^2/NDF:2.1/2

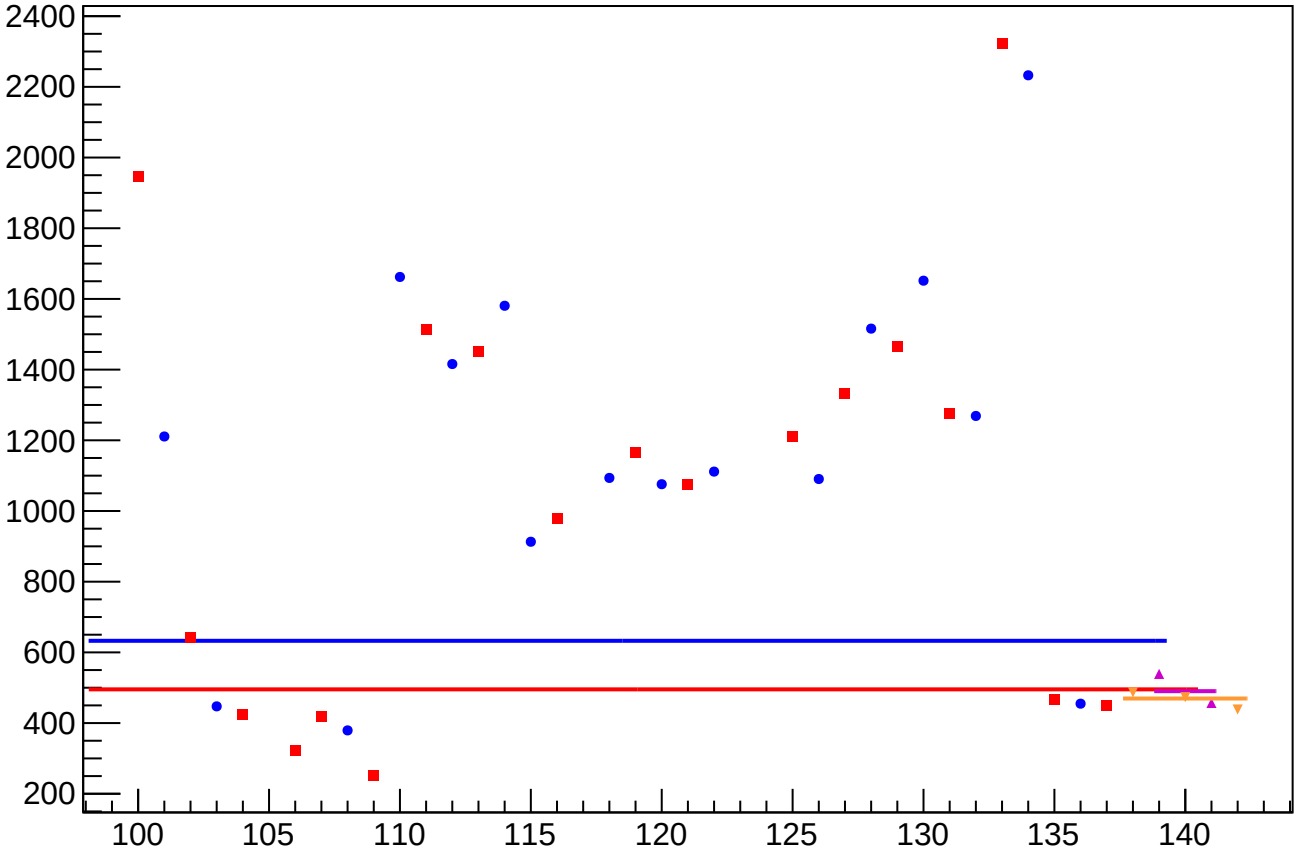
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 14.984+/-375.737 χ^2/NDF:0.7/1

+ sign 82.080+/-210.873 χ^2/NDF: 25.6/18

All: 184.690+/-143.956 χ^2/NDF: 41.3/38

- sign 274.246+/-197.003 χ^2/NDF: 15.3/19



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 469.481+/-0.233 χ^2/NDF:6503.0/2

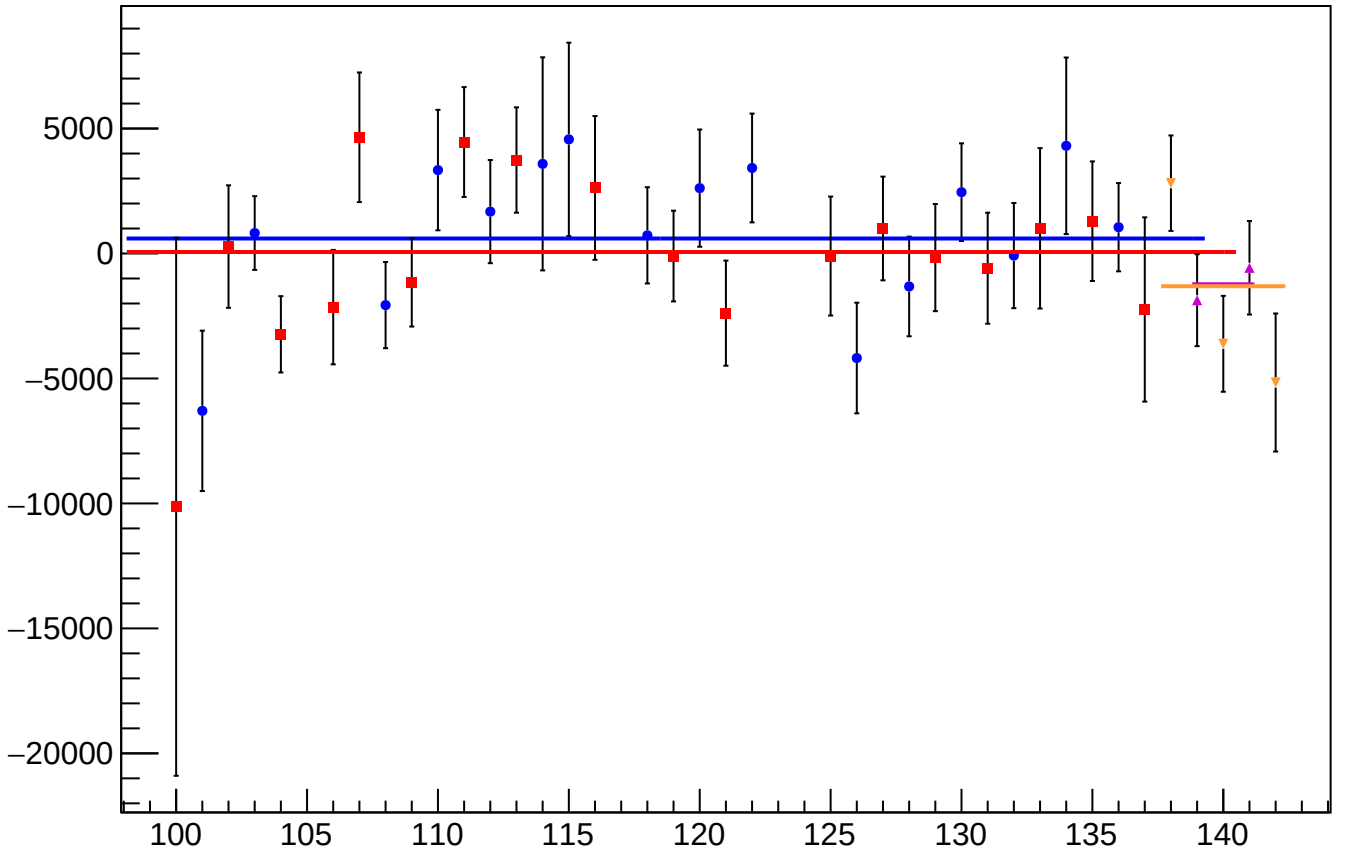
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 490.287+/-0.266 χ^2/NDF:23070.6/1

+ sign 565.668+/-0.149 χ^2/NDF: 4064455.8/18

All: 527.389+/-0.102 χ^2/NDF: 8548701.1/38

- sign 493.980+/-0.139 χ^2/NDF: 4360821.8/19



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1308.953+/-1215.536 χ^2/NDF:8.0/2

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

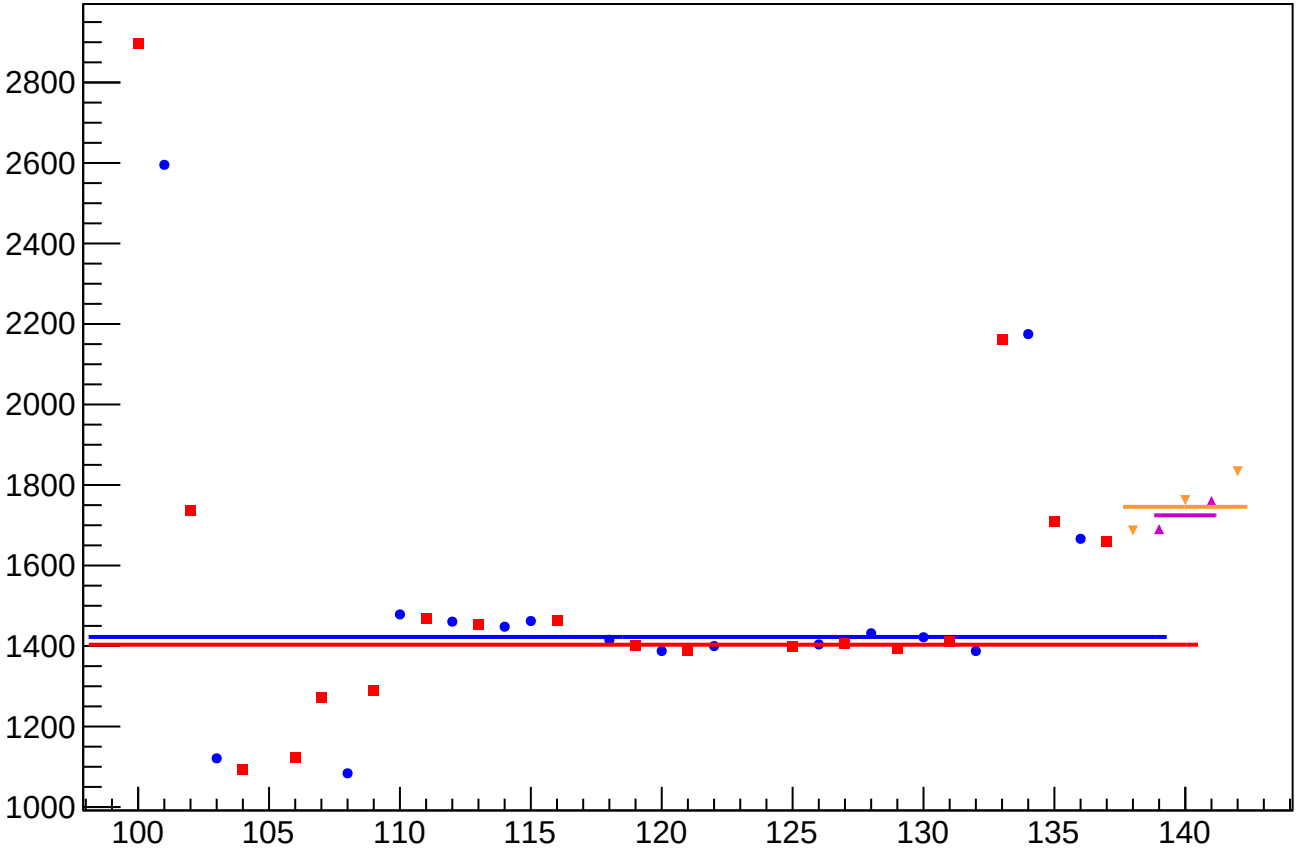
Left In: -1231.240+/-1311.336 χ^2/NDF:0.2/1

+ sign 285.318+/-493.535 χ^2/NDF: 30.4/18

All: 81.368+/-349.017 χ^2/NDF: 52.2/38

- sign -122.664+/-493.633 χ^2/NDF: 21.4/19

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: 1745.740+/-0.860 χ^2/NDF:4094.1/2

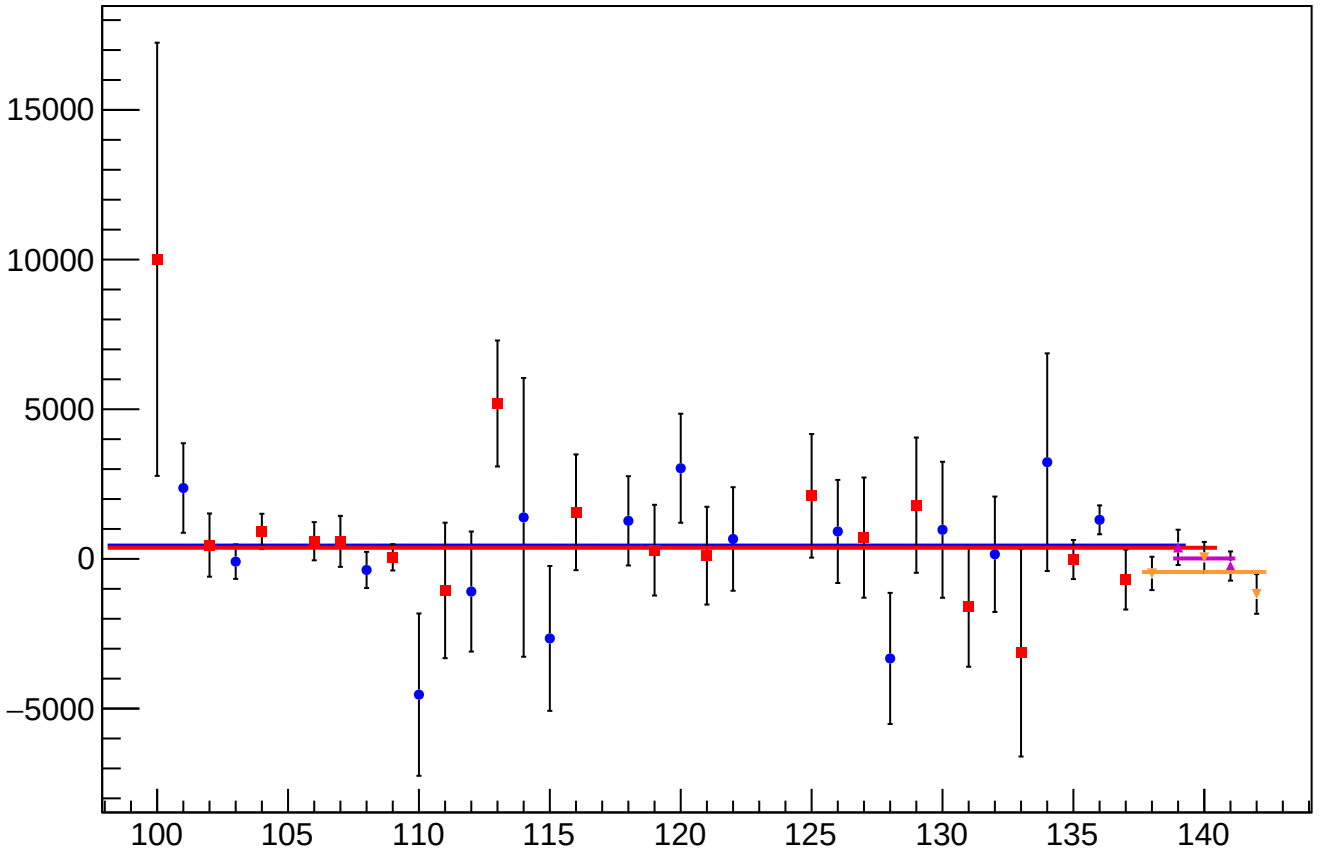
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1724.705+/-0.927 χ^2/NDF:1414.0/1

+ sign 1475.800+/-0.349 χ^2/NDF: 682458.6/18

All: 1462.290+/-0.247 χ^2/NDF: 1149155.9/38

- sign 1448.775+/-0.349 χ^2/NDF: 463699.6/19



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -438.460+/-328.977 χ^2/NDF:2.1/2

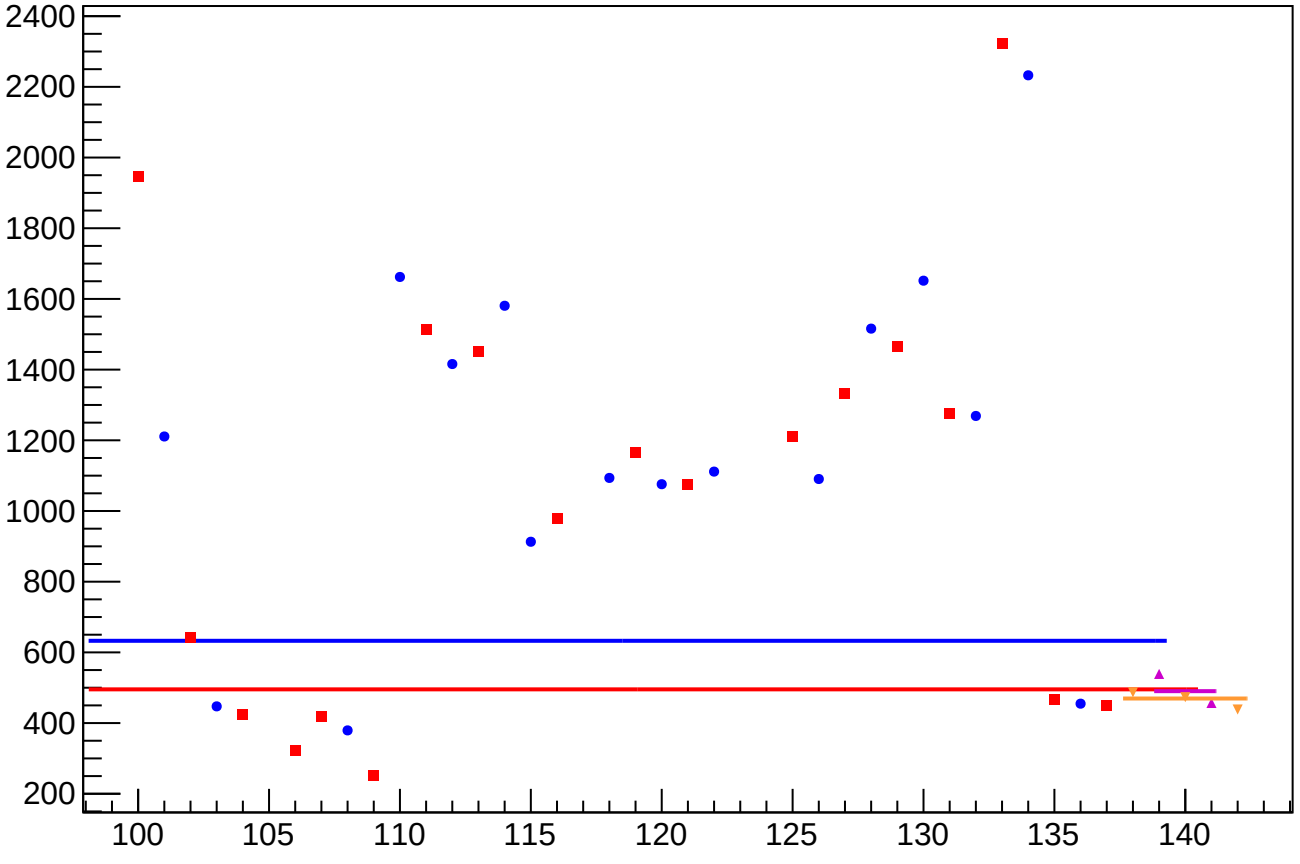
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 14.984+/-375.737 χ^2/NDF:0.7/1

+ sign 82.080+/-210.873 χ^2/NDF: 25.6/18

All: 184.690+/-143.956 χ^2/NDF: 41.3/38

- sign 274.246+/-197.003 χ^2/NDF: 15.3/19



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 469.481+/-0.233 χ^2/NDF:6503.0/2

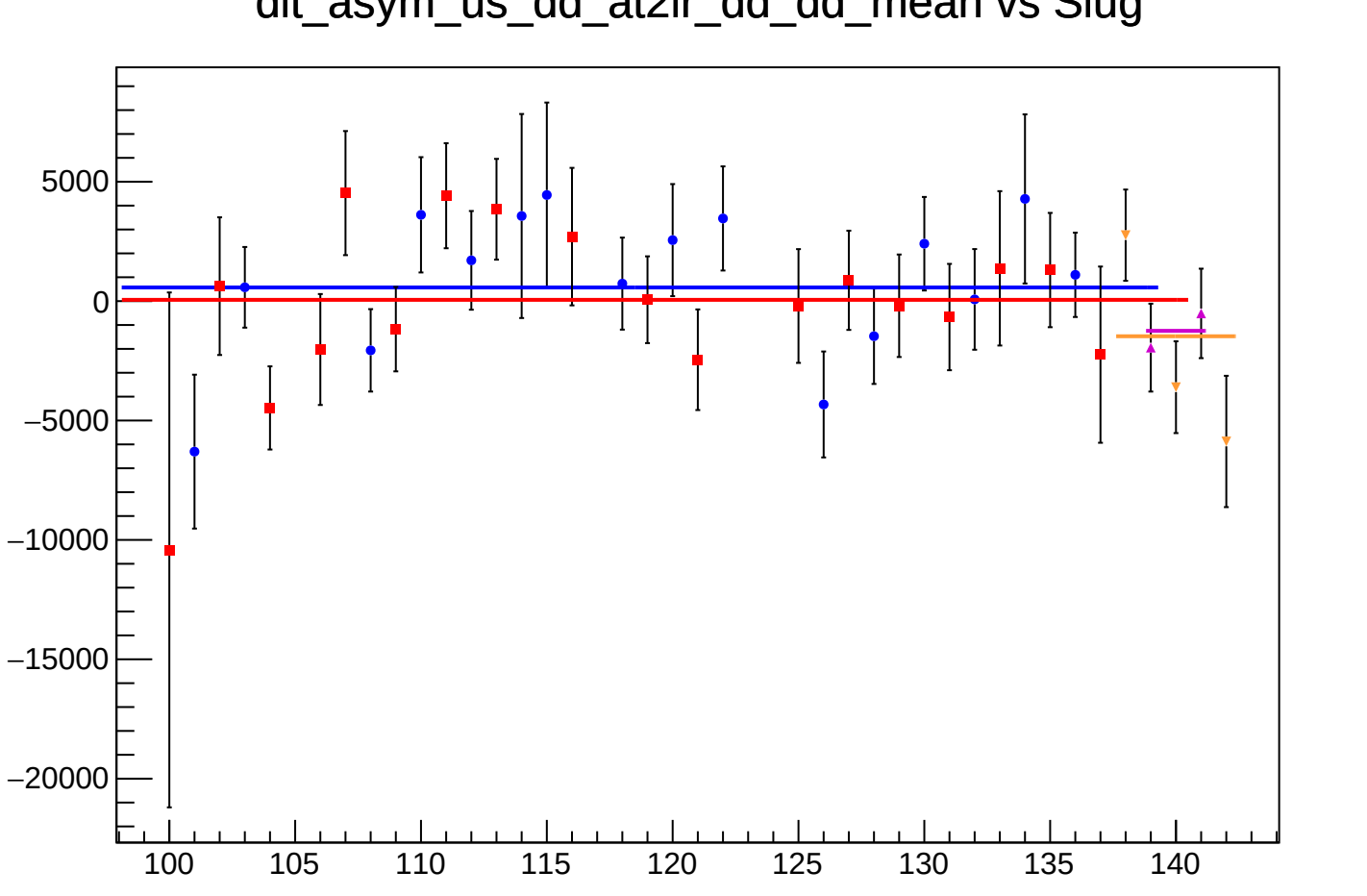
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 490.287+/-0.266 χ^2/NDF:23070.6/1

+ sign 565.668+/-0.149 χ^2/NDF: 4064455.8/18

All: 527.389+/-0.102 χ^2/NDF: 8548701.1/38

- sign 493.980+/-0.139 χ^2/NDF: 4360821.8/19



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1471.142+/-1215.378 χ^2/NDF:8.7/2

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

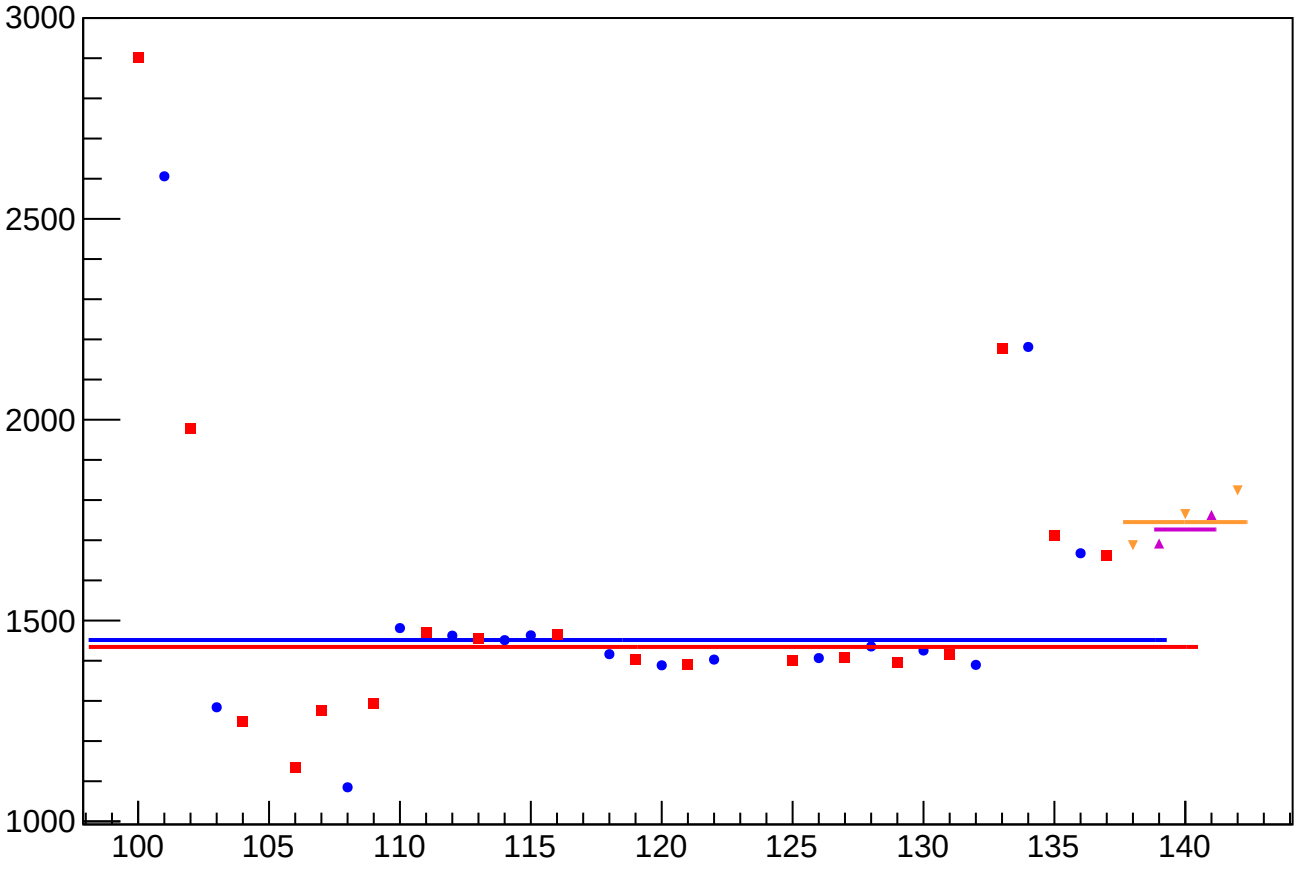
Left In: -1243.823+/-1312.917 χ^2/NDF:0.3/1

+ sign 225.331+/-500.807 χ^2/NDF: 31.8/18

All: 45.095+/-355.119 χ^2/NDF: 55.7/38

- sign -137.181+/-503.633 χ^2/NDF: 23.6/19

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1745.166+/-0.859 χ^2/NDF:3677.7/2

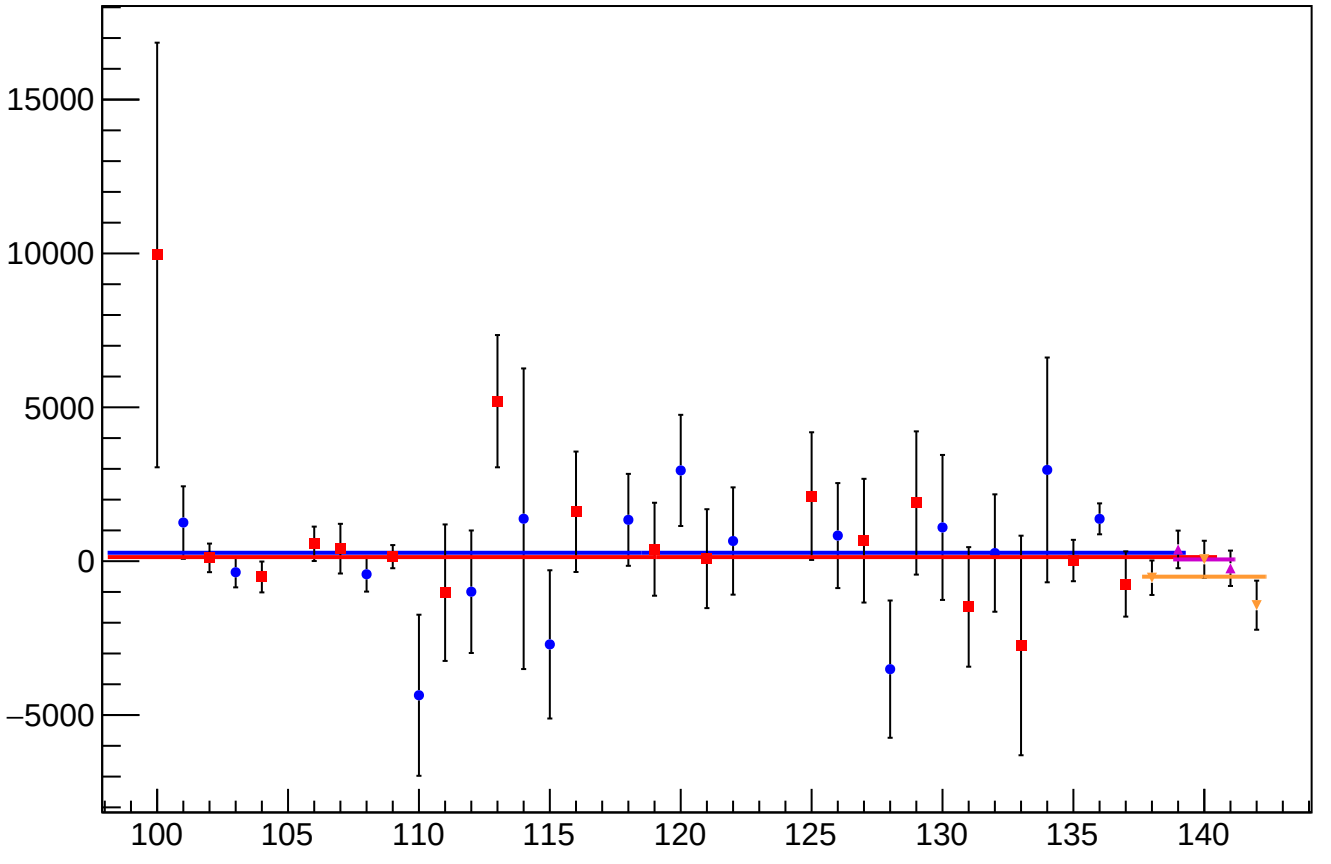
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1726.722+/-0.928 χ^2/NDF:1463.7/1

+ sign 1501.428+/-0.354 χ^2/NDF: 588401.6/18

All: 1489.455+/-0.251 χ^2/NDF: 1005357.7/38

- sign 1477.347+/-0.356 χ^2/NDF: 414657.1/19



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -503.681+/-364.505 χ^2/NDF:2.2/2

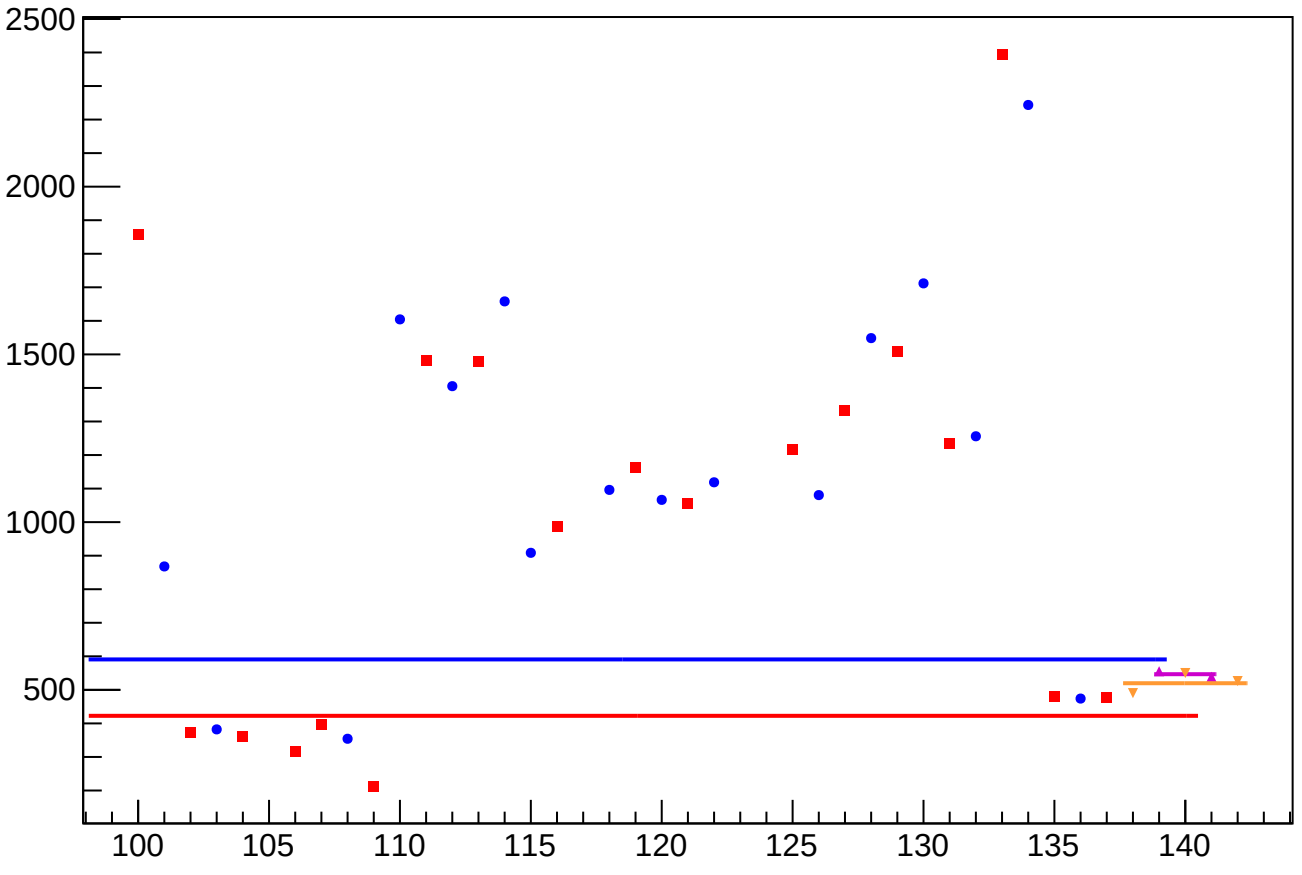
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 56.813+/-418.640 χ^2/NDF:0.5/1

+ sign 10.664+/-211.959 χ^2/NDF: 25.5/18

All: 74.331+/-136.067 χ^2/NDF: 40.6/38

- sign 118.960+/-177.459 χ^2/NDF: 15.0/19



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 519.795+/-0.258 χ^2/NDF:10784.3/2

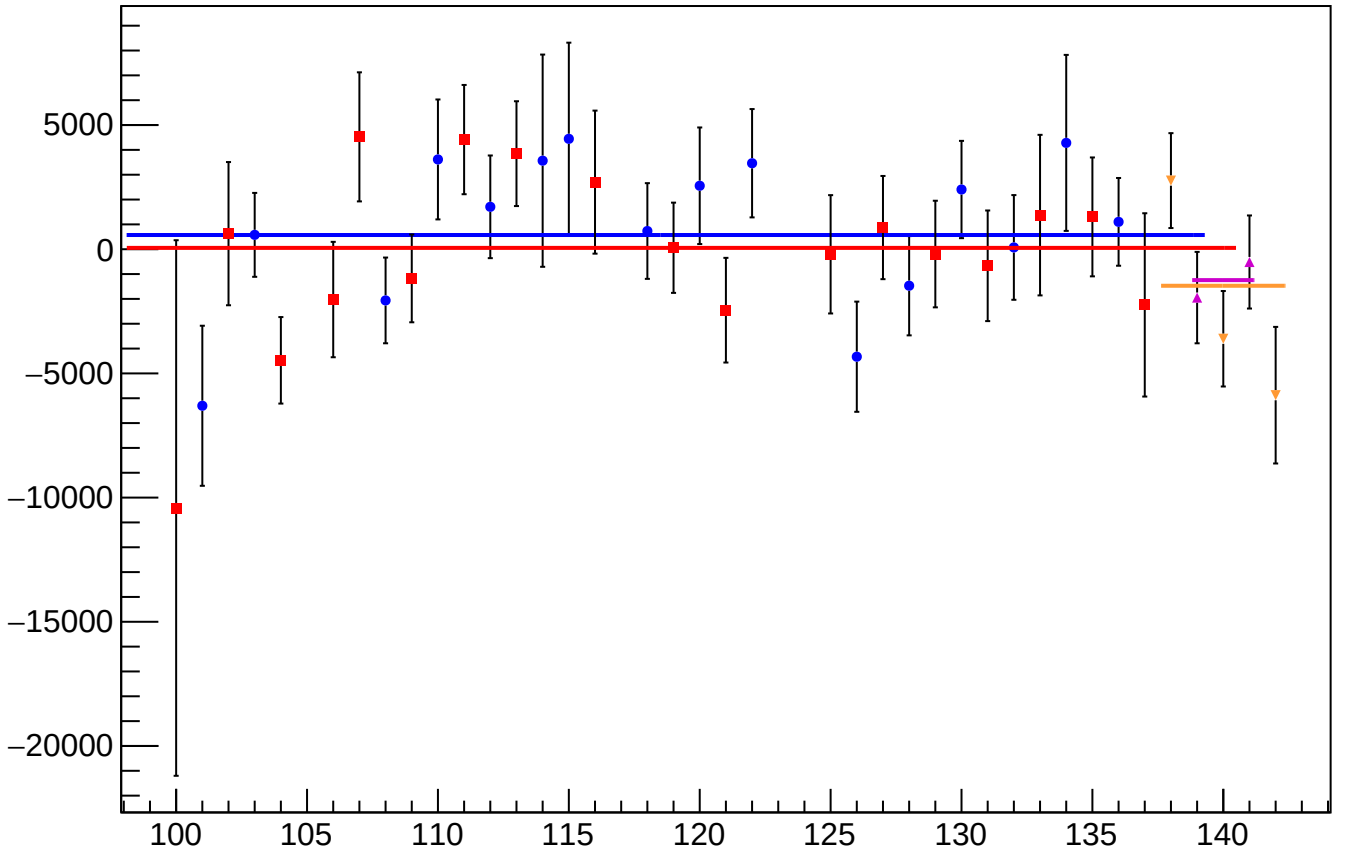
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 546.725+/-0.296 χ^2/NDF:783.0/1

+ sign 566.757+/-0.150 χ^2/NDF: 3946444.7/18

All: 495.133+/-0.096 χ^2/NDF: 9337853.9/38

- sign 444.927+/-0.125 χ^2/NDF: 5002957.7/19



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1471.154+/-1215.378 χ^2/NDF:8.7/2

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

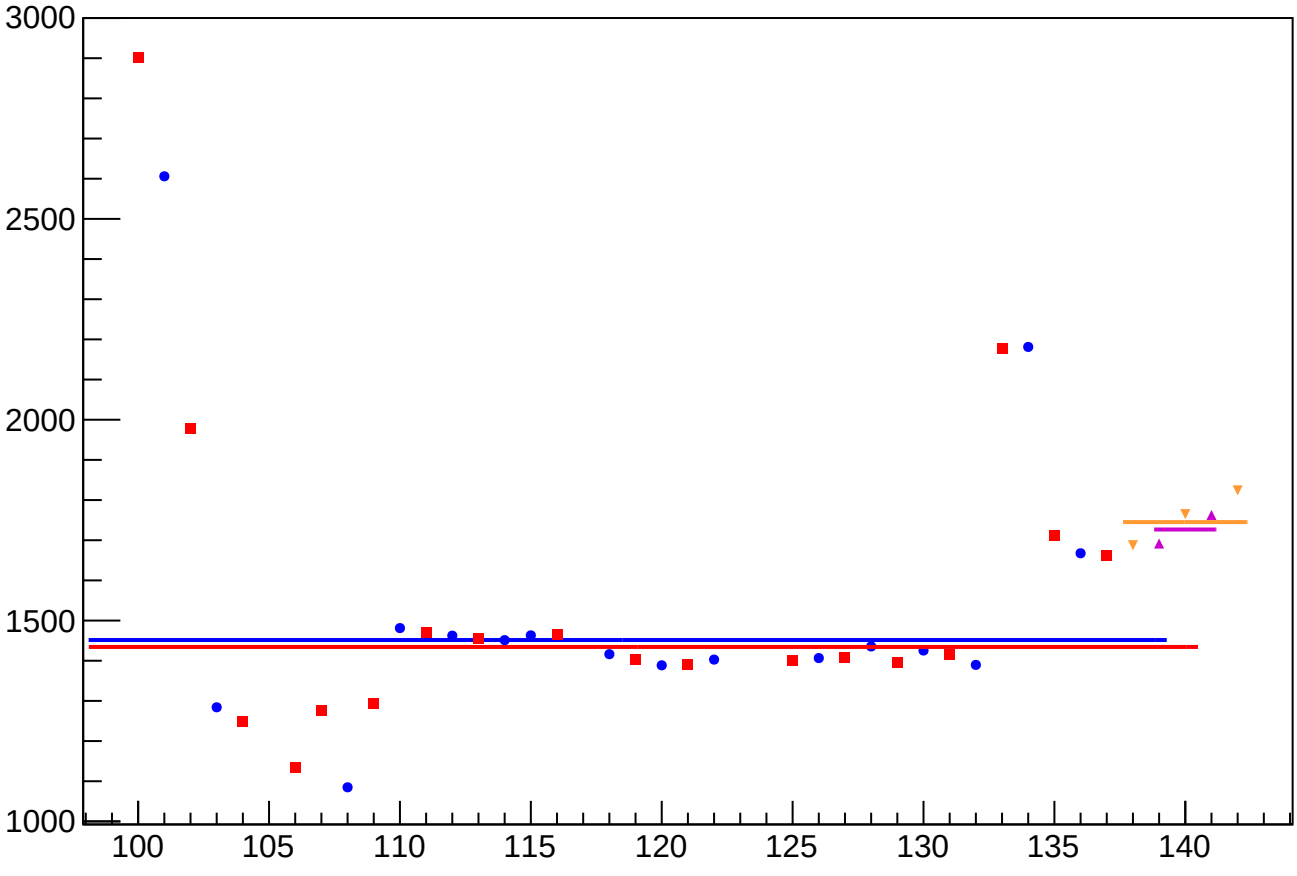
Left In: -1243.809+/-1312.917 χ^2/NDF:0.3/1

\+ sign 225.330+/-500.807 χ^2/NDF: 31.8/18

All: 45.094+/-355.119 χ^2/NDF: 55.7/38

\- sign -137.181+/-503.633 χ^2/NDF: 23.6/19

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1745.166+/-0.859 χ^2/NDF:3677.7/2

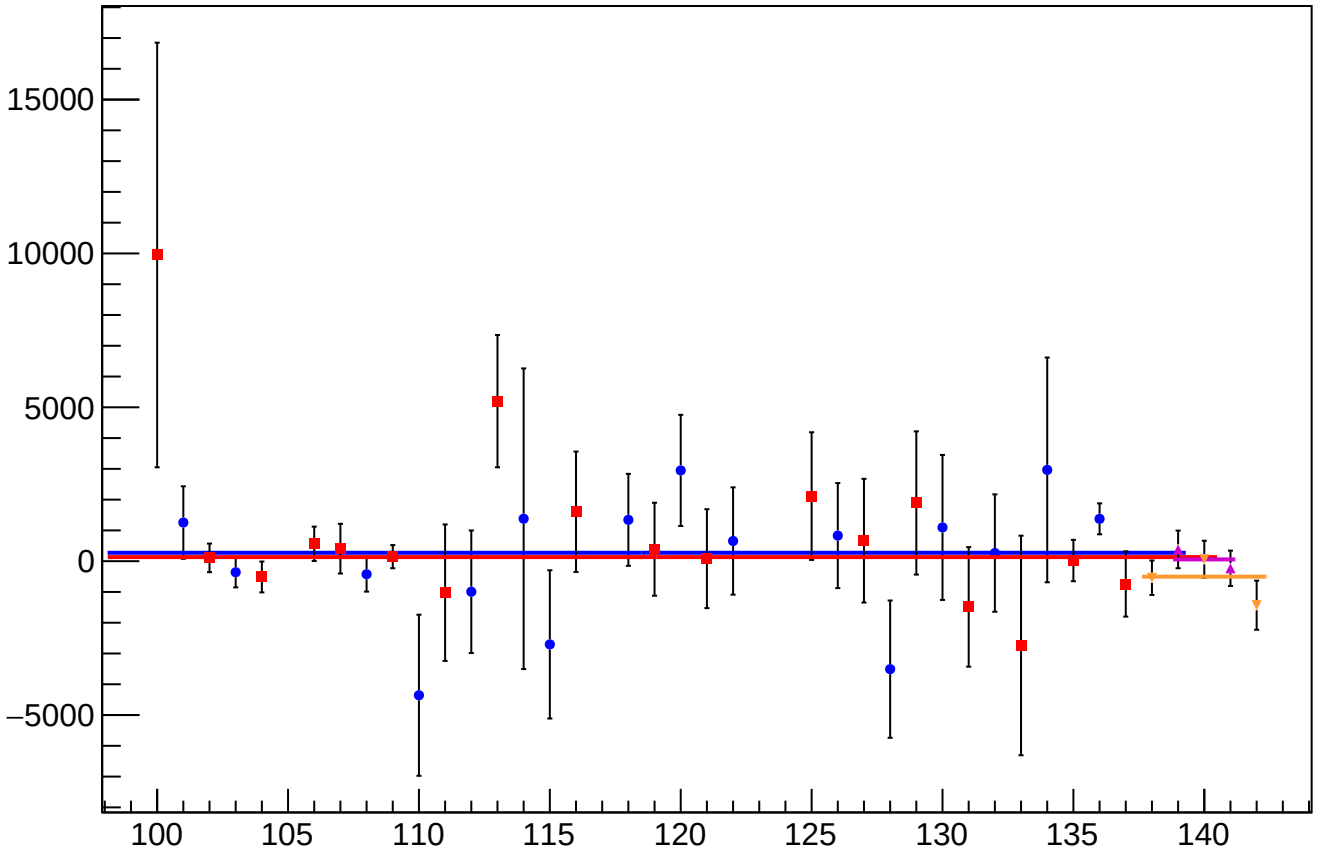
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1726.722+/-0.928 χ^2/NDF:1463.7/1

+ sign 1501.428+/-0.354 χ^2/NDF: 588401.3/18

All: 1489.455+/-0.251 χ^2/NDF: 1005357.7/38

- sign 1477.347+/-0.356 χ^2/NDF: 414657.3/19



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -503.692+/-364.516 χ^2/NDF:2.2/2

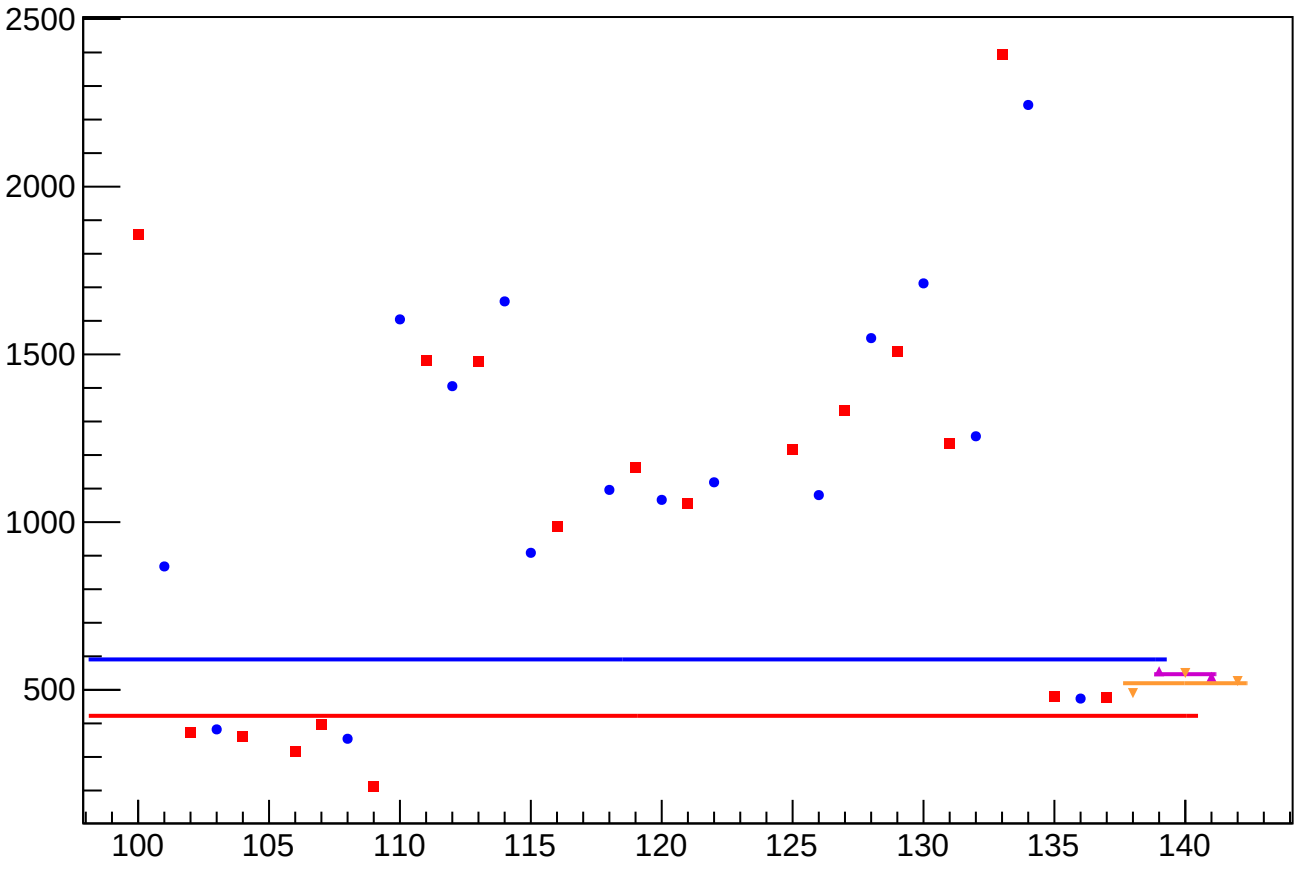
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 56.825+/-418.651 χ^2/NDF:0.5/1

\+ sign 10.664+/-211.961 χ^2/NDF: 25.5/18

All: 74.330+/-136.068 χ^2/NDF: 40.6/38

\- sign 118.958+/-177.461 χ^2/NDF: 15.0/19



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 519.811+/-0.258 χ^2/NDF:10779.1/2

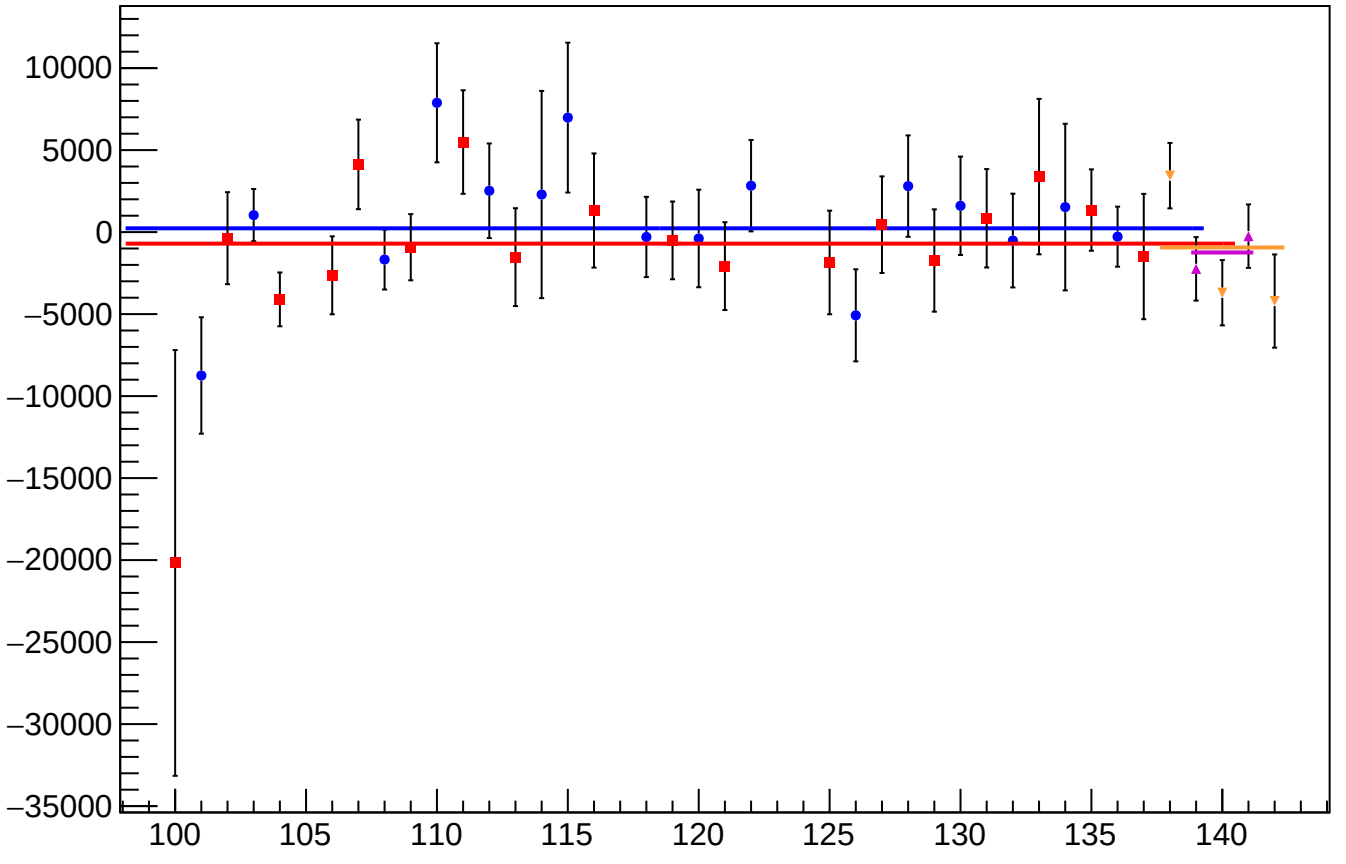
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 546.740+/-0.296 χ^2/NDF:784.3/1

+ sign 566.762+/-0.150 χ^2/NDF: 3946441.4/18

All: 495.139+/-0.096 χ^2/NDF: 9337767.9/38

- sign 444.934+/-0.125 χ^2/NDF: 5002892.3/19



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -936.680+/-1262.248 χ^2/NDF:8.1/2

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

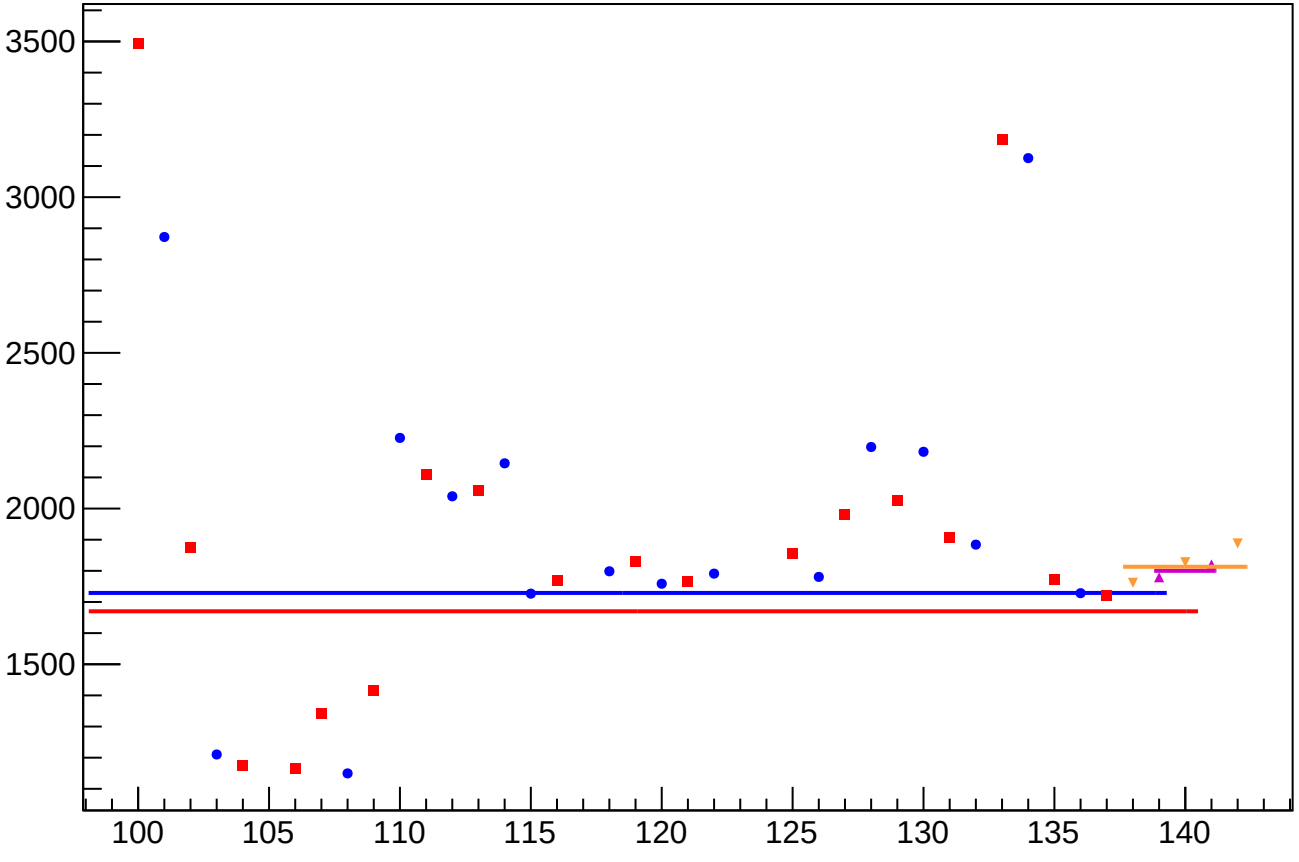
Left In: -1243.598+/-1368.459 χ^2/NDF:0.5/1

+ sign -23.614+/-589.203 χ^2/NDF: 29.5/18

All: -414.746+/-415.454 χ^2/NDF: 48.0/38

- sign -801.497+/-585.894 χ^2/NDF: 17.7/19

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1813.095+/-0.893 χ^2/NDF:2825.7/2

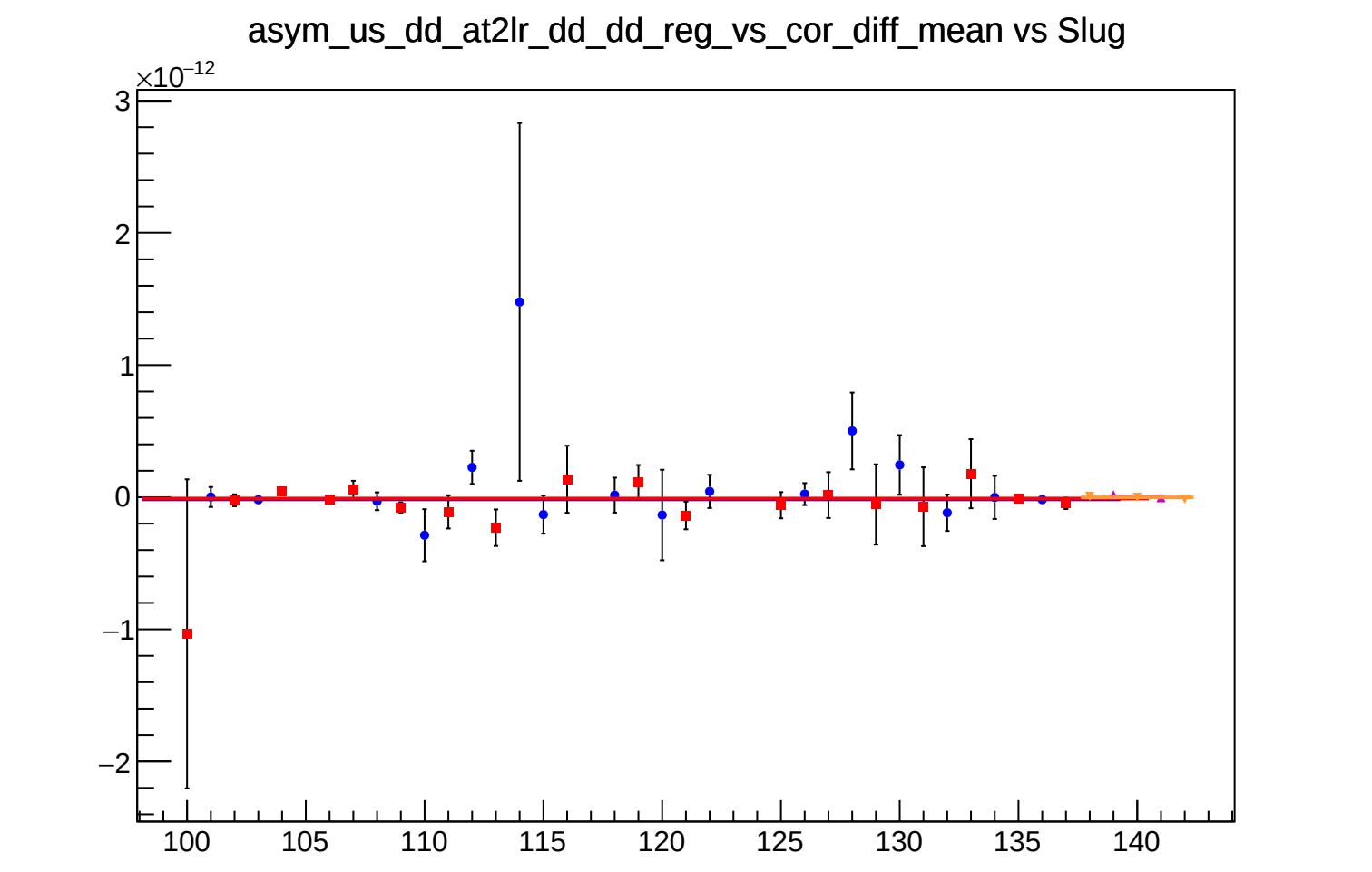
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1800.046+/-0.968 χ^2/NDF:454.8/1

+ sign 1747.362+/-0.417 χ^2/NDF: 951839.6/18

All: 1720.472+/-0.294 χ^2/NDF: 1719769.2/38

- sign 1693.884+/-0.414 χ^2/NDF: 759645.0/19



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/2

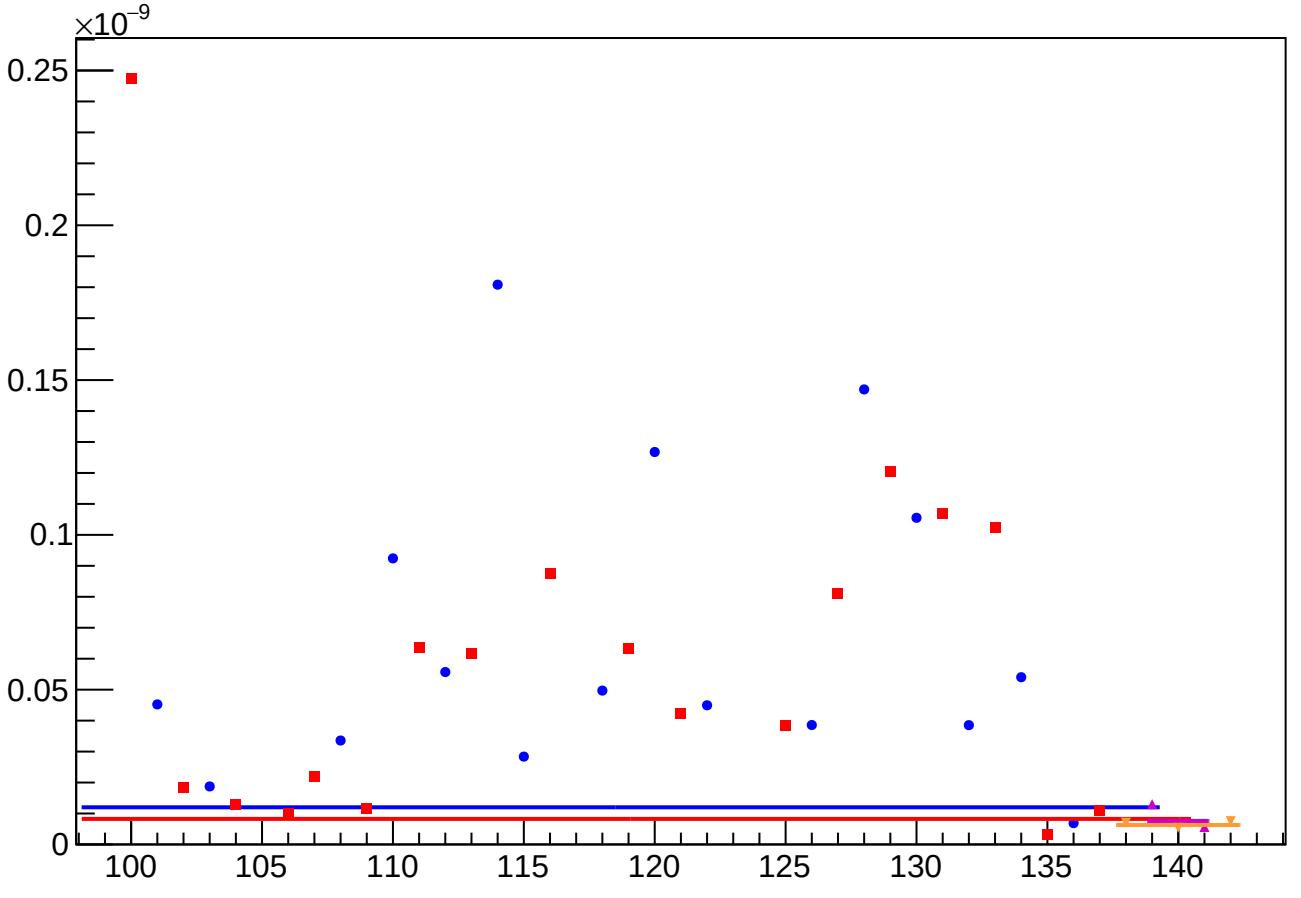
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 15.7/18

All: -0.000+/-0.000 χ^2/NDF: 34.4/38

- sign -0.000+/-0.000 χ^2/NDF: 18.7/19



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:33142.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

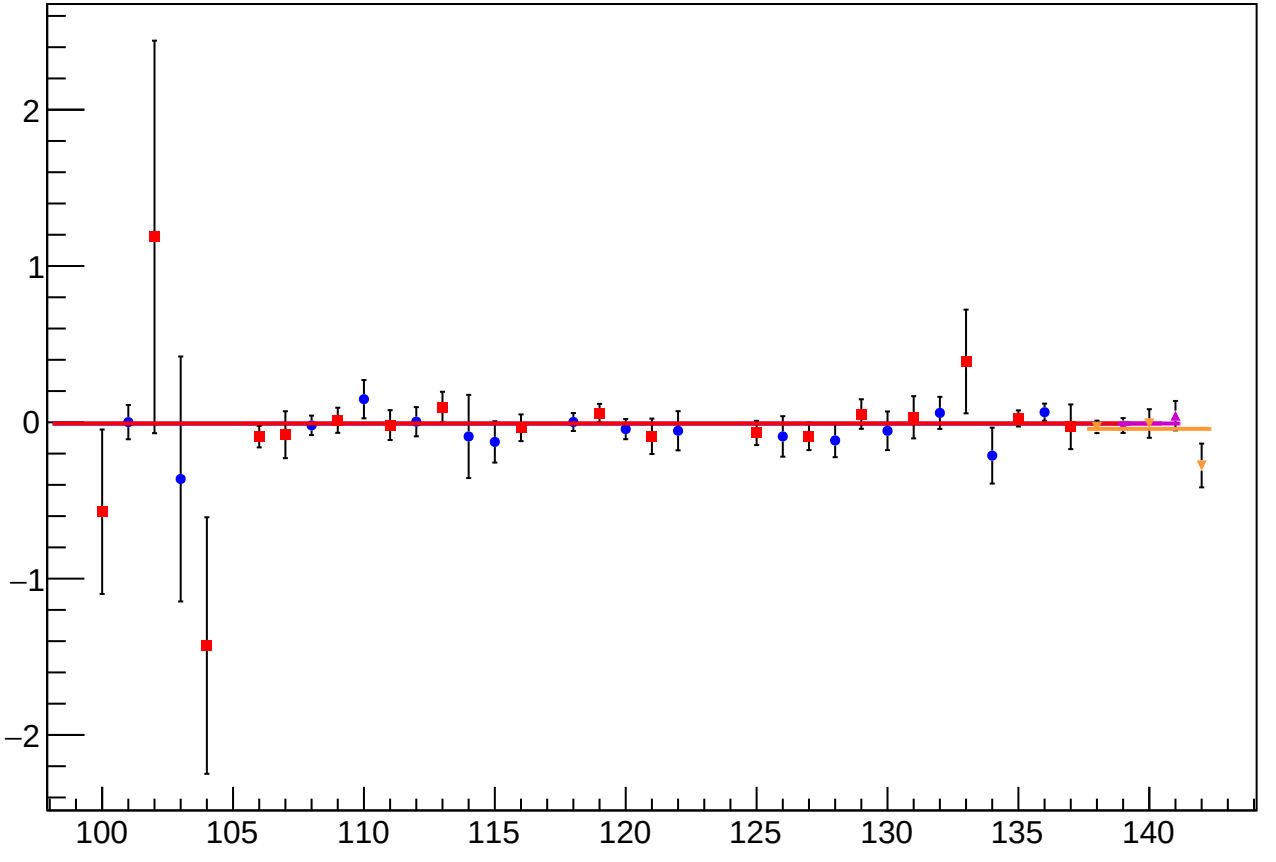
Left In: 0.000+/-0.000 χ^2/NDF:262921.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 3879118.4/18

All: 0.000+/-0.000 χ^2/NDF: 7659147.2/38

- sign 0.000+/-0.000 χ^2/NDF: 3778733.9/19

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.042+/-0.035 χ^2/NDF:3.0/2

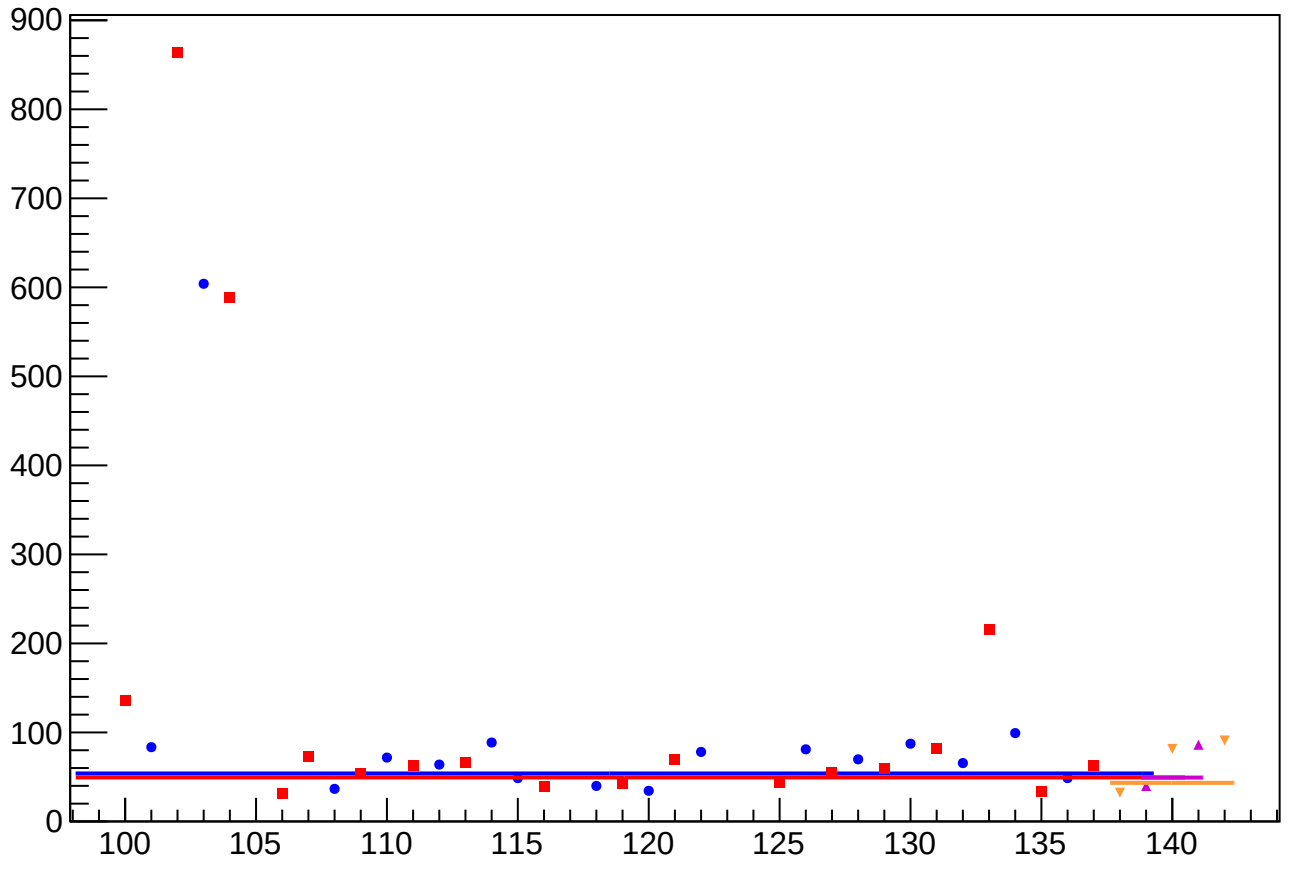
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.042 χ^2/NDF:0.4/1

+ sign -0.018+/-0.019 χ^2/NDF: 12.0/18

All: -0.013+/-0.014 χ^2/NDF: 26.2/38

- sign -0.007+/-0.020 χ^2/NDF: 14.0/19



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 43.380+/-0.025 χ^2/NDF:732486.7/2

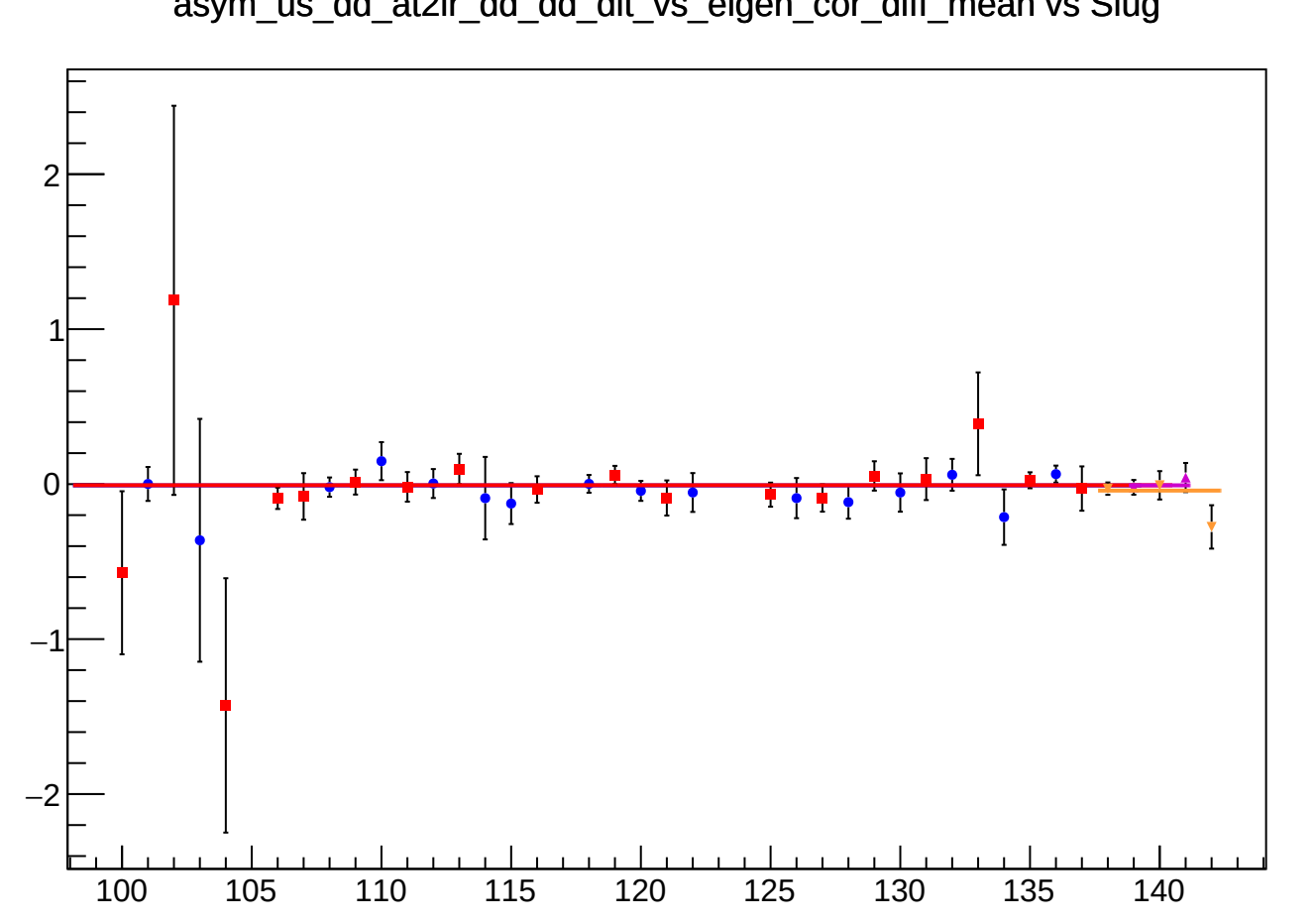
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.274+/-0.030 χ^2/NDF:387259.2/1

\+ sign 50.776+/-0.014 χ^2/NDF: 3071253.5/18

All: 50.094+/-0.010 χ^2/NDF: 6481304.6/38

\- sign 49.388+/-0.014 χ^2/NDF: 3404997.0/19



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.042+/-0.035 χ^2/NDF:3.0/2

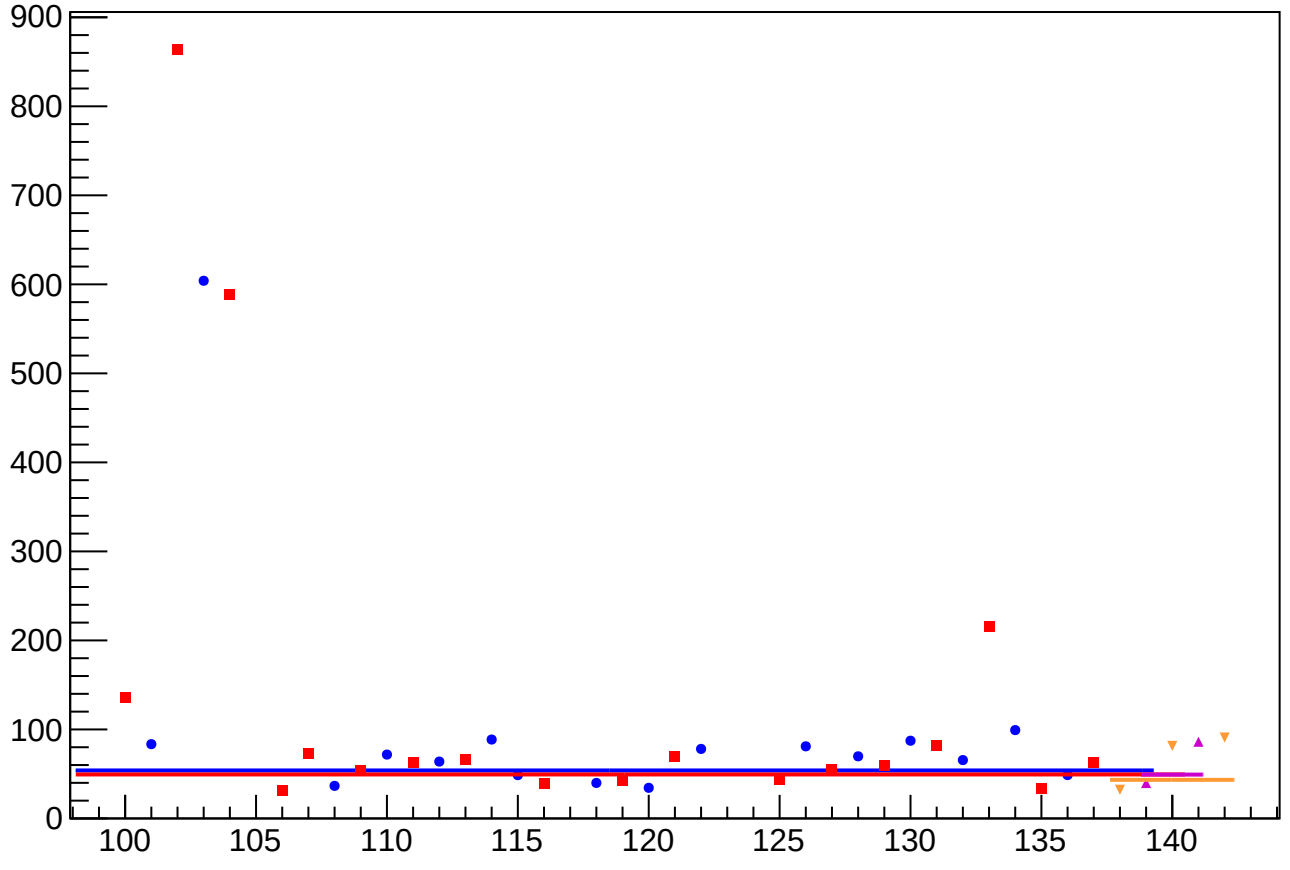
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.042 χ^2/NDF:0.4/1

+ sign -0.018+/-0.019 χ^2/NDF: 12.0/18

All: -0.013+/-0.014 χ^2/NDF: 26.2/38

- sign -0.007+/-0.020 χ^2/NDF: 14.0/19



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 43.380+/-0.025 χ^2/NDF:732486.7/2

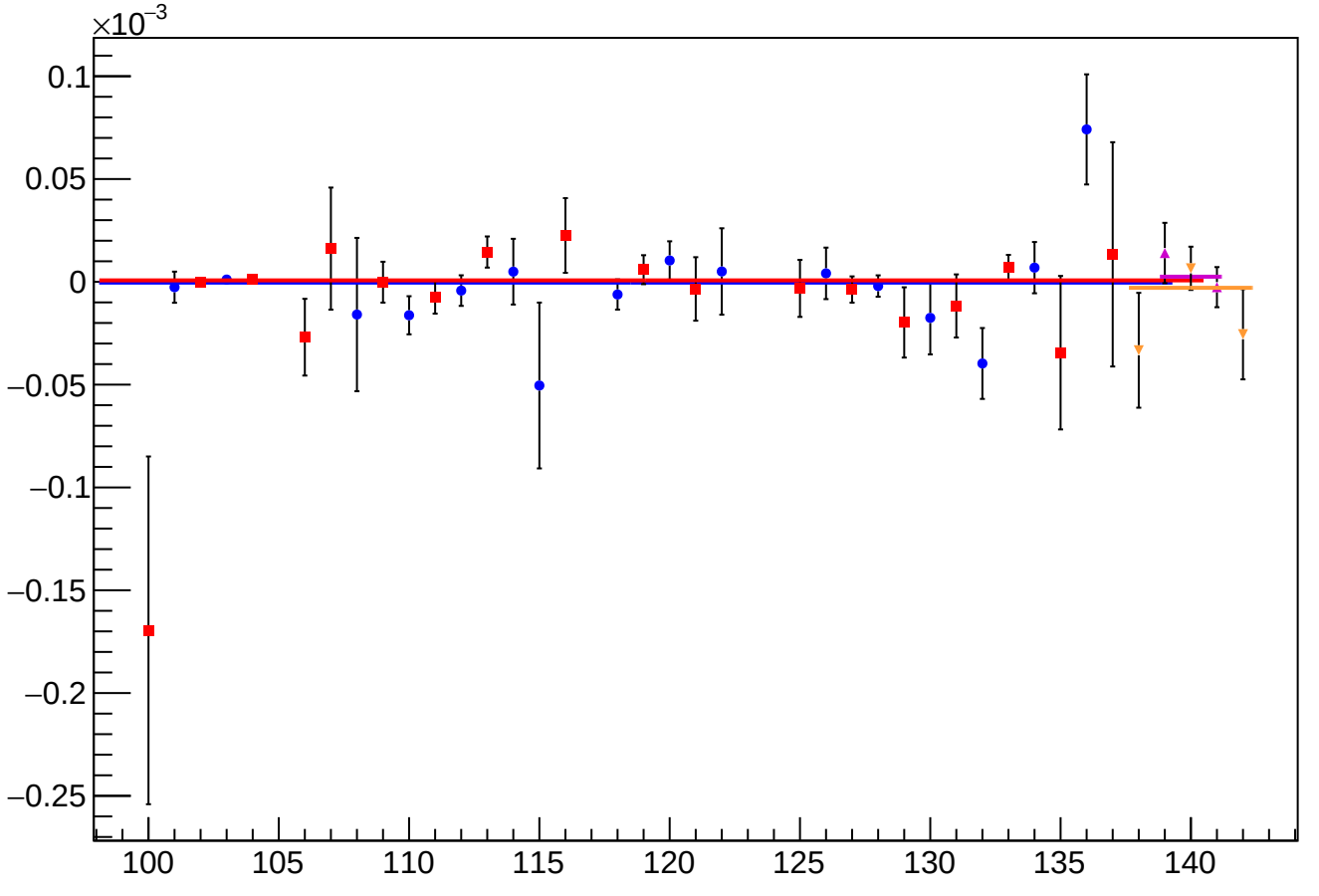
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.274+/-0.030 χ^2/NDF:387259.2/1

+ sign 50.776+/-0.014 χ^2/NDF: 3071253.5/18

All: 50.094+/-0.010 χ^2/NDF: 6481304.6/38

- sign 49.388+/-0.014 χ^2/NDF: 3404997.0/19



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

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

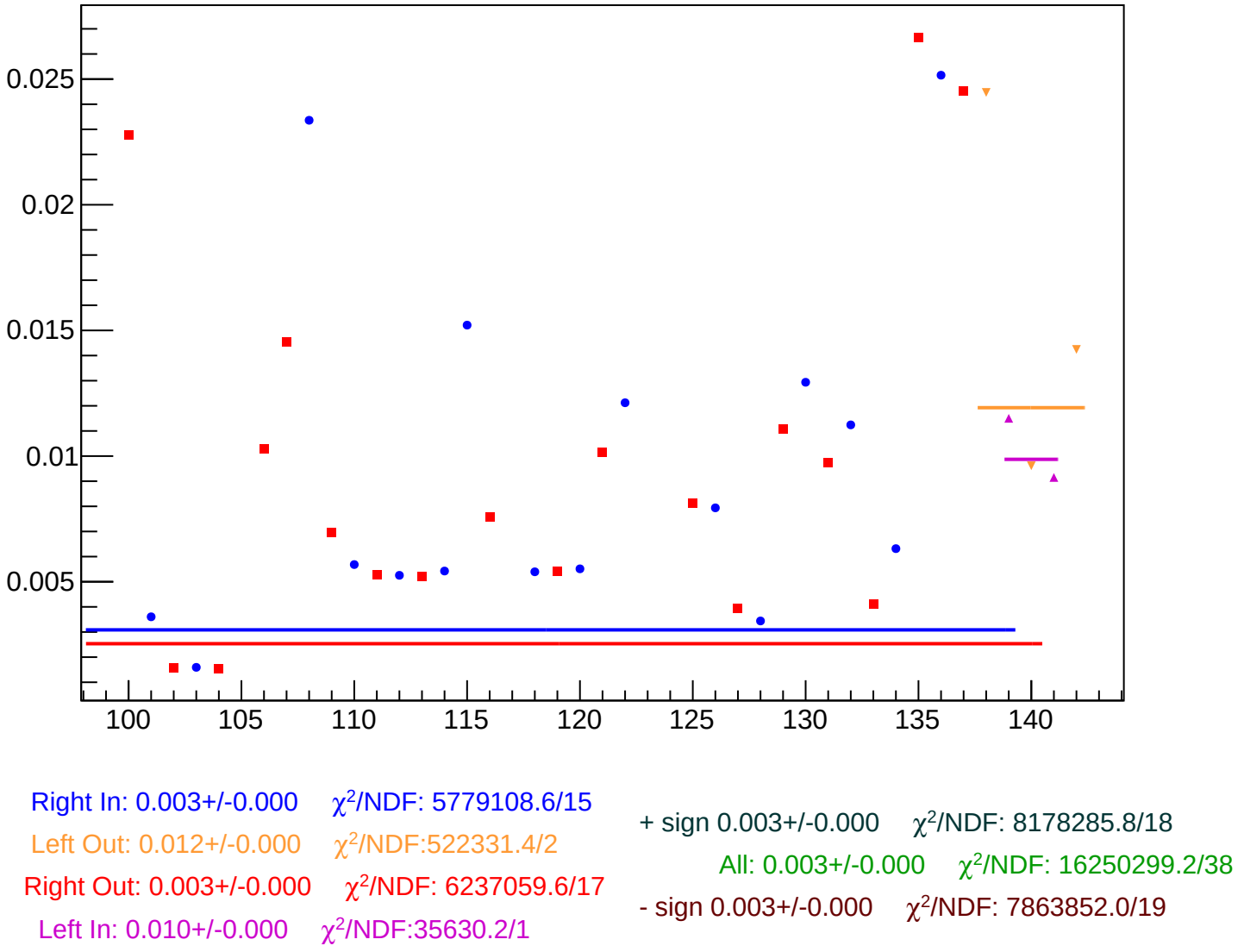
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

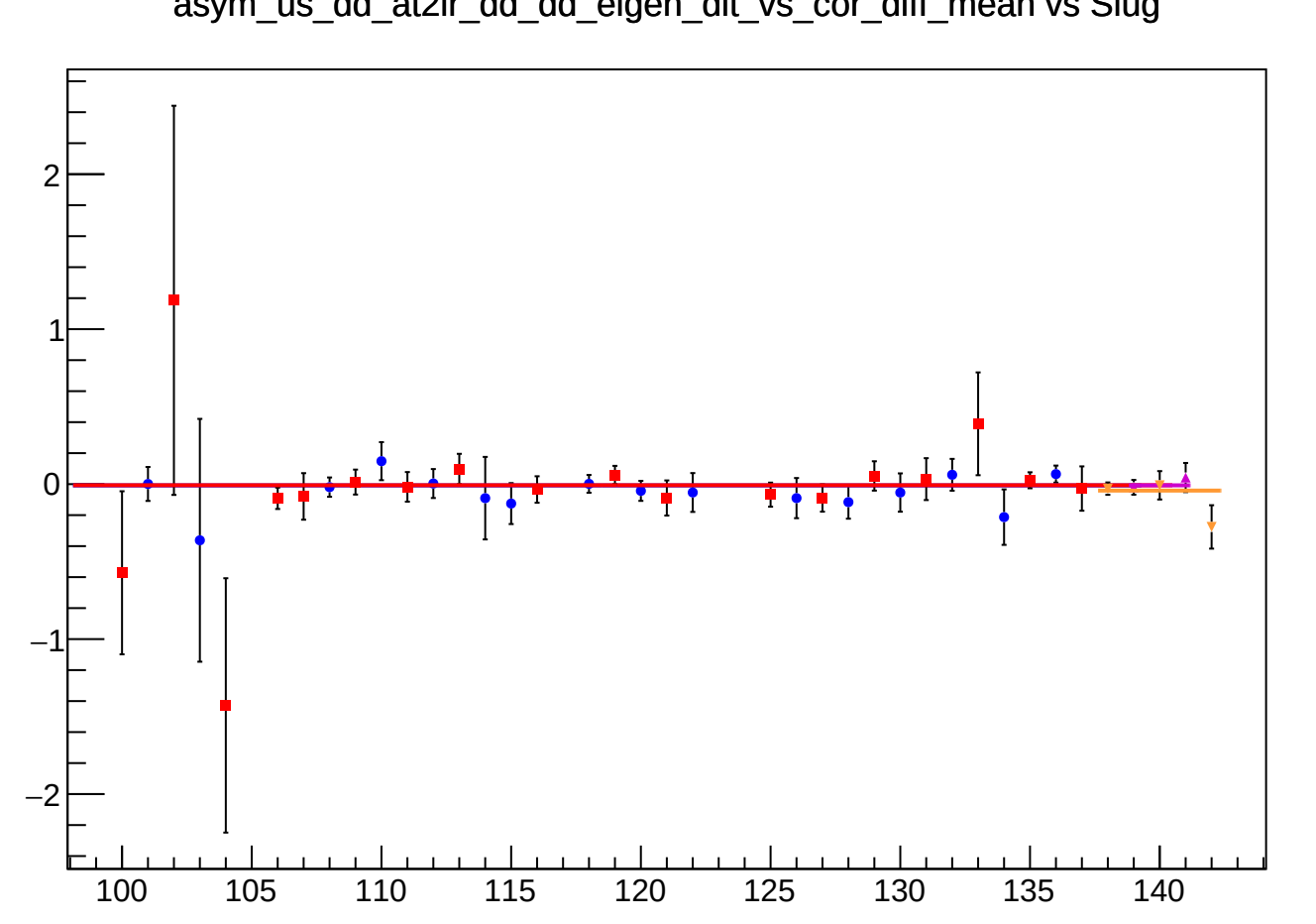
Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 25.2/18

All: 0.000+/-0.000 χ^2/NDF: 44.4/38

- sign 0.000+/-0.000 χ^2/NDF: 18.8/19


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
105
110
115
120
125
130
135
140
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.012+/-0.000 χ²/NDF:522331.4/2
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.010+/-0.000 χ²/NDF:35630.2/1
+ sign 0.003+/-0.000 χ²/NDF: 8178285.8/18
All: 0.003+/-0.000 χ²/NDF: 16250299.2/38
- sign 0.003+/-0.000 χ²/NDF: 7863852.0/19



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.042+/-0.035 χ^2/NDF:3.0/2

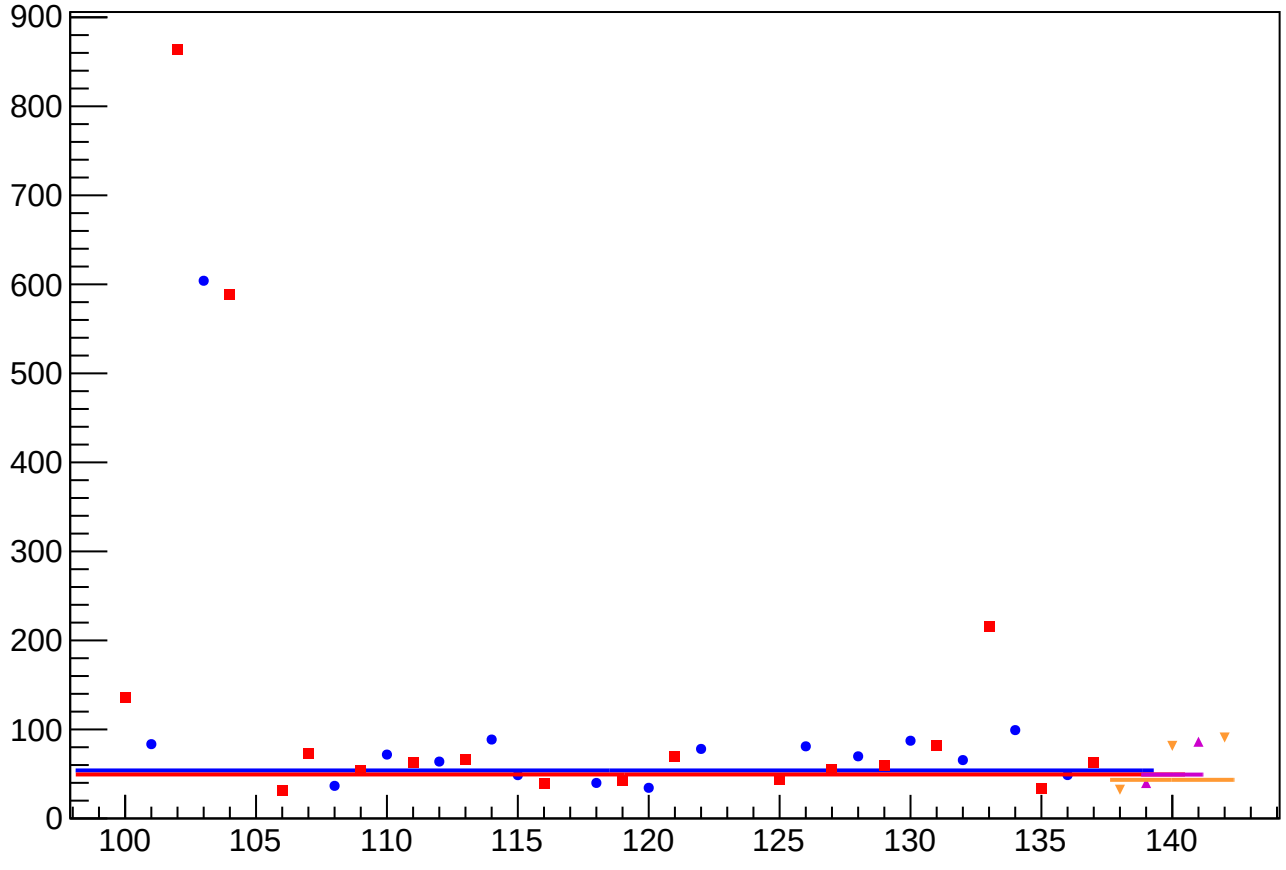
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.042 χ^2/NDF:0.4/1

+ sign -0.018+/-0.019 χ^2/NDF: 12.0/18

All: -0.013+/-0.014 χ^2/NDF: 26.2/38

- sign -0.007+/-0.020 χ^2/NDF: 14.0/19



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 43.390+/-0.025 χ^2/NDF:732331.3/2

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

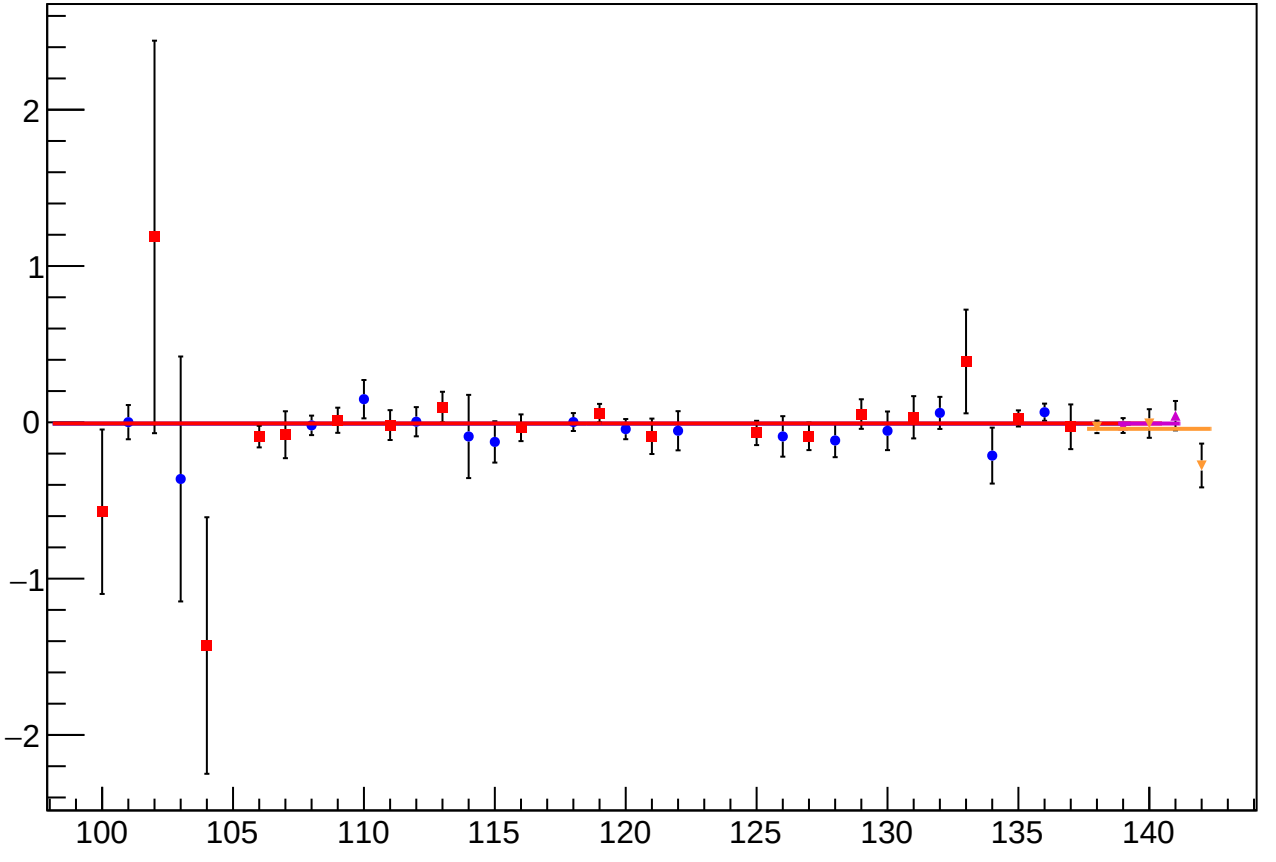
Left In: 49.277+/-0.030 χ^2/NDF:387286.6/1

+ sign 50.782+/-0.014 χ^2/NDF: 3070514.6/18

All: 50.098+/-0.010 χ^2/NDF: 6480338.8/38

- sign 49.391+/-0.014 χ^2/NDF: 3404745.1/19

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.042+/-0.035 χ^2/NDF:3.0/2

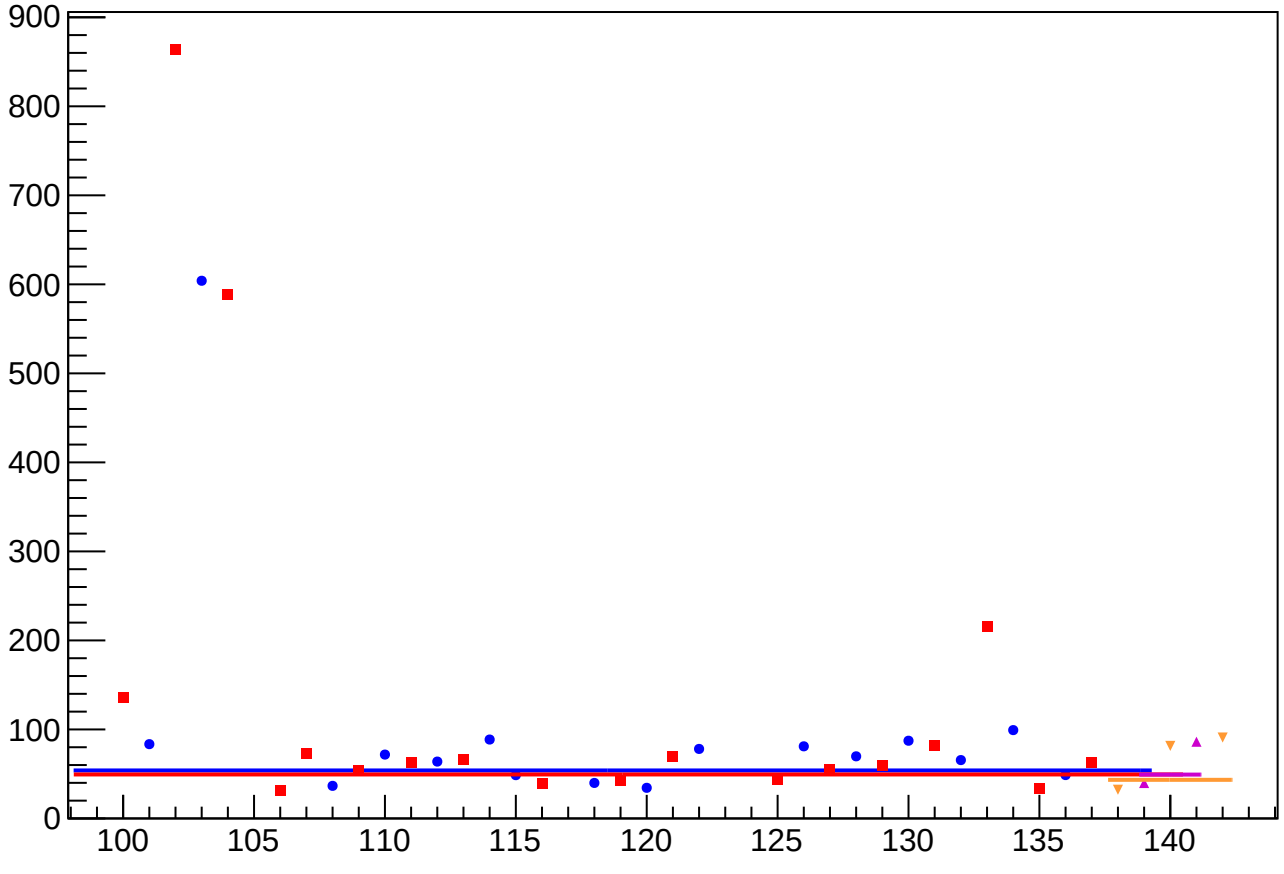
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.042 χ^2/NDF:0.4/1

+ sign -0.018+/-0.019 χ^2/NDF: 12.0/18

All: -0.013+/-0.014 χ^2/NDF: 26.2/38

- sign -0.007+/-0.020 χ^2/NDF: 14.0/19



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 43.390+/-0.025 χ^2/NDF:732331.3/2

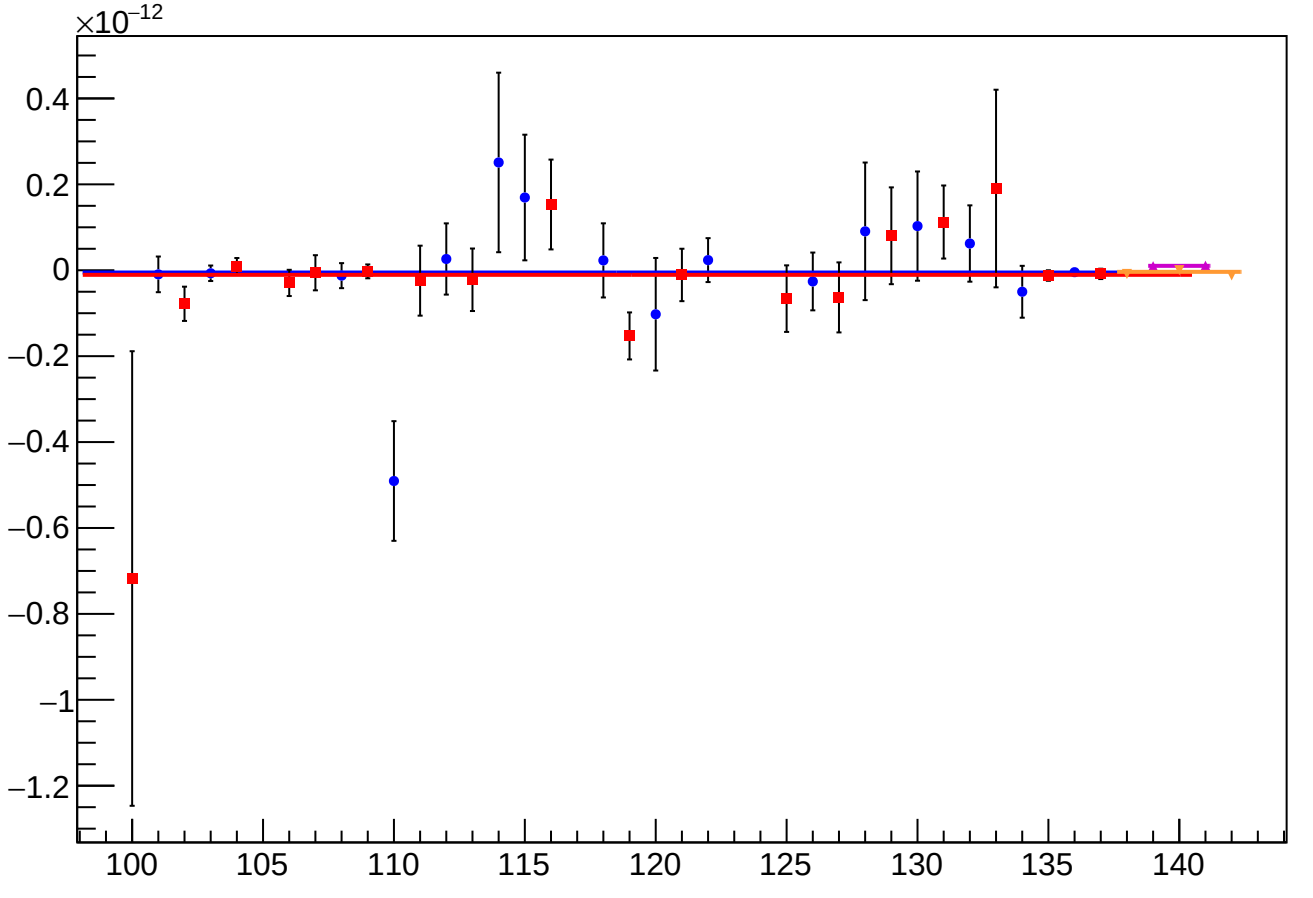
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.277+/-0.030 χ^2/NDF:387286.6/1

+ sign 50.782+/-0.014 χ^2/NDF: 3070514.6/18

All: 50.098+/-0.010 χ^2/NDF: 6480338.8/38

- sign 49.391+/-0.014 χ^2/NDF: 3404745.1/19



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/2

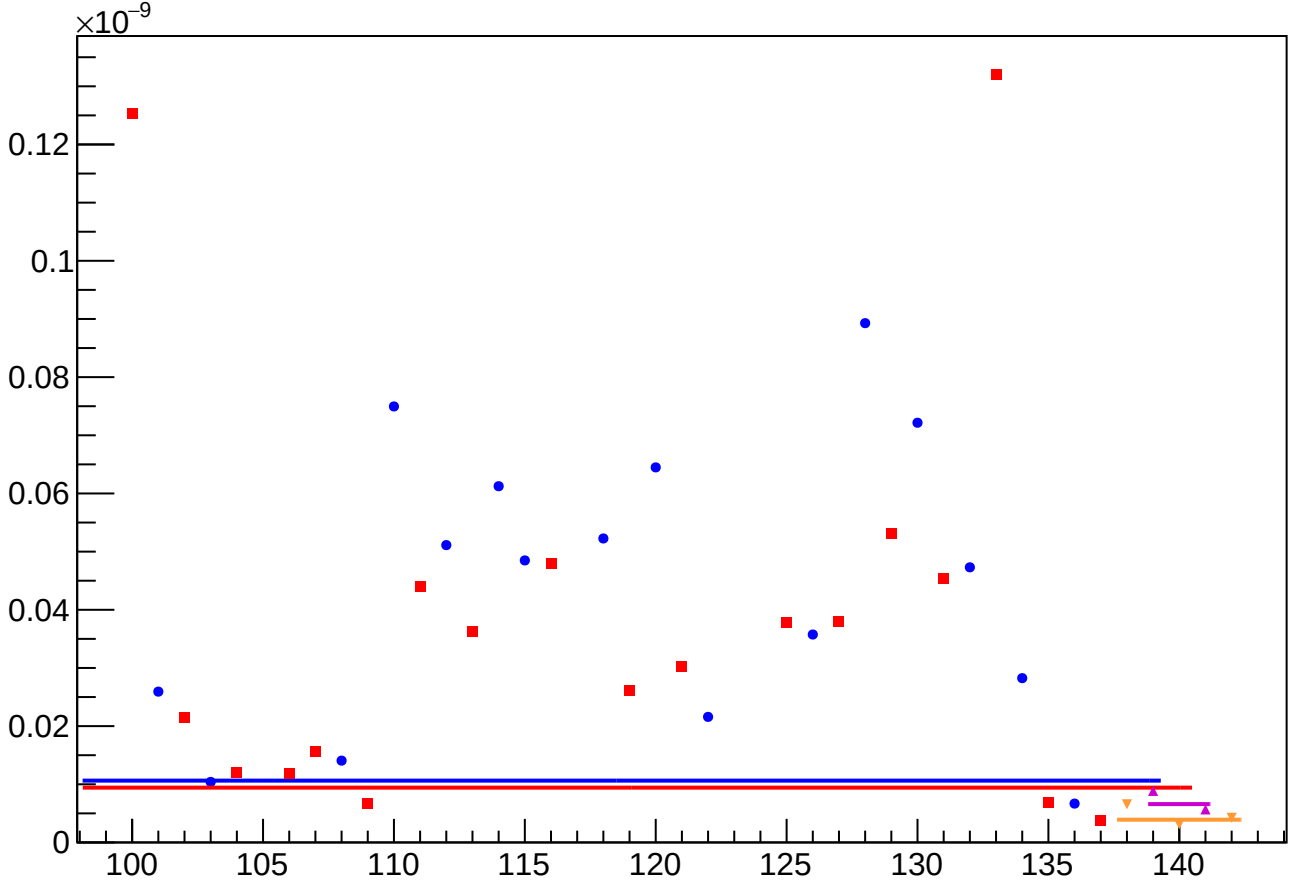
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.7/18

All: -0.000+/-0.000 χ^2/NDF: 47.1/38

- sign 0.000+/-0.000 χ^2/NDF: 25.7/19



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:235101.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

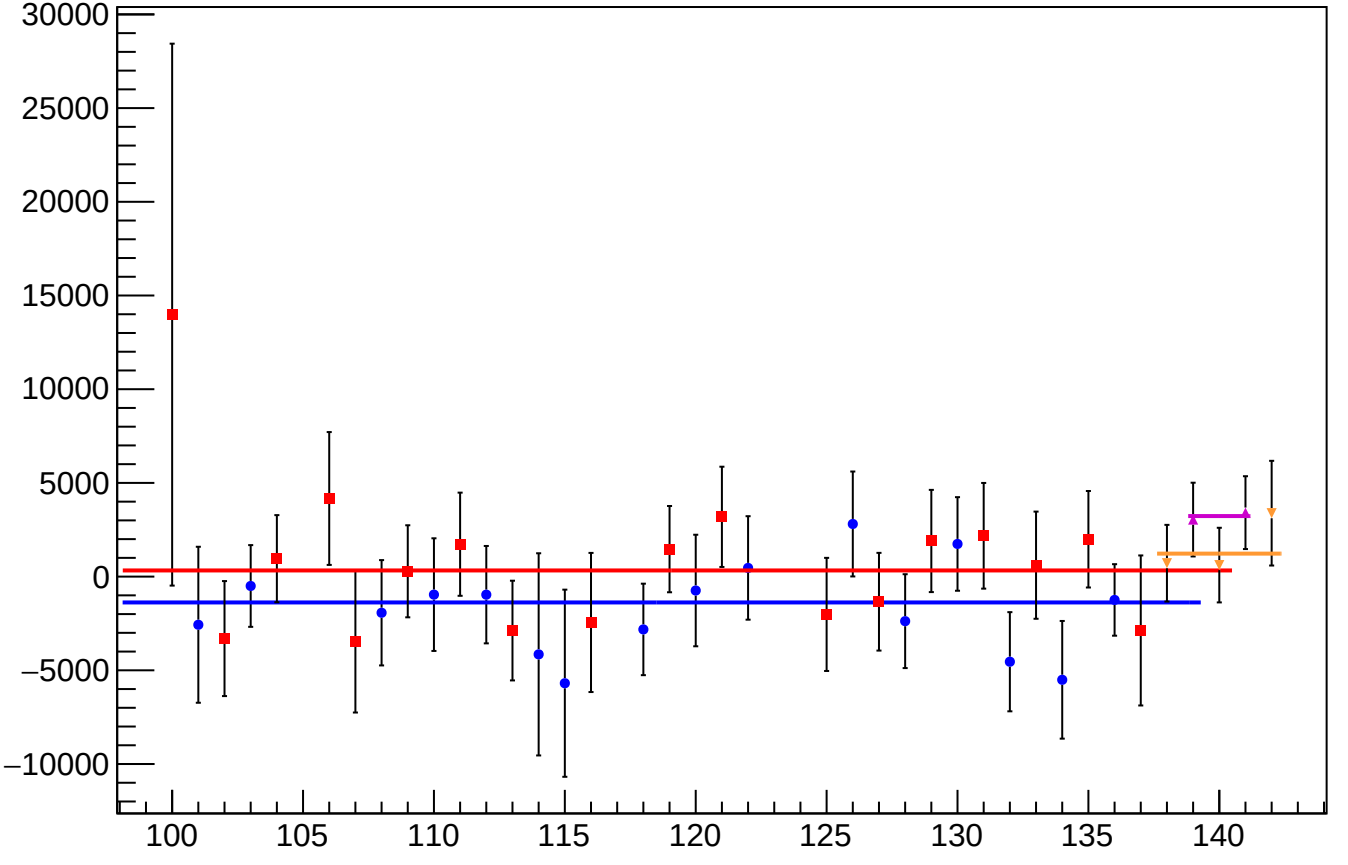
Left In: 0.000+/-0.000 χ^2/NDF:115022.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 6290627.9/18

All: 0.000+/-0.000 χ^2/NDF: 11058544.3/38

- sign 0.000+/-0.000 χ^2/NDF: 4350306.7/19

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1226.601+/-1270.680 χ^2/NDF:0.8/2

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

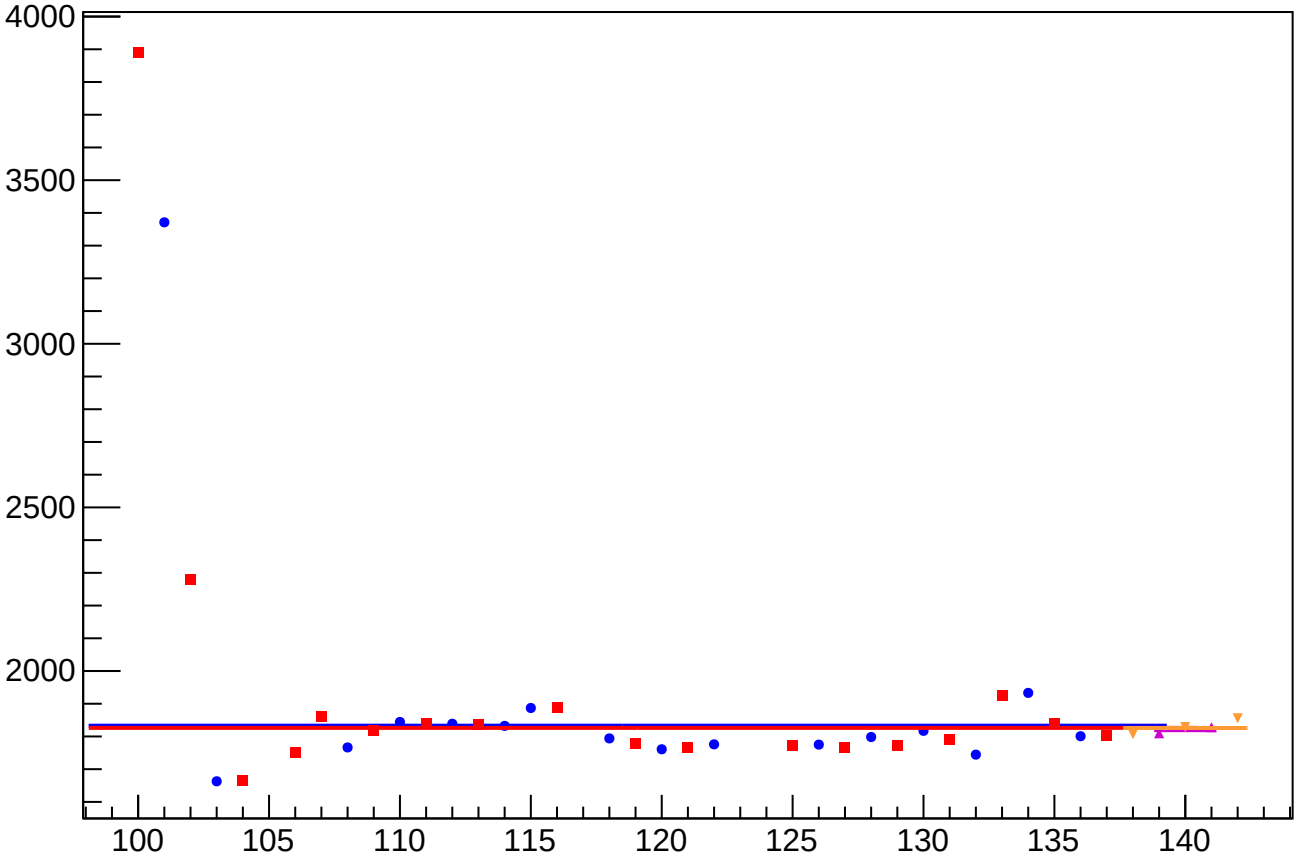
Left In: 3230.694+/-1382.489 χ^2/NDF:0.0/1

+ sign -786.755+/-605.710 χ^2/NDF: 13.3/18

All: 46.196+/-430.851 χ^2/NDF: 31.7/38

- sign 899.283+/-612.987 χ^2/NDF: 14.6/19

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1825.868+/-0.899 χ^2/NDF:395.4/2

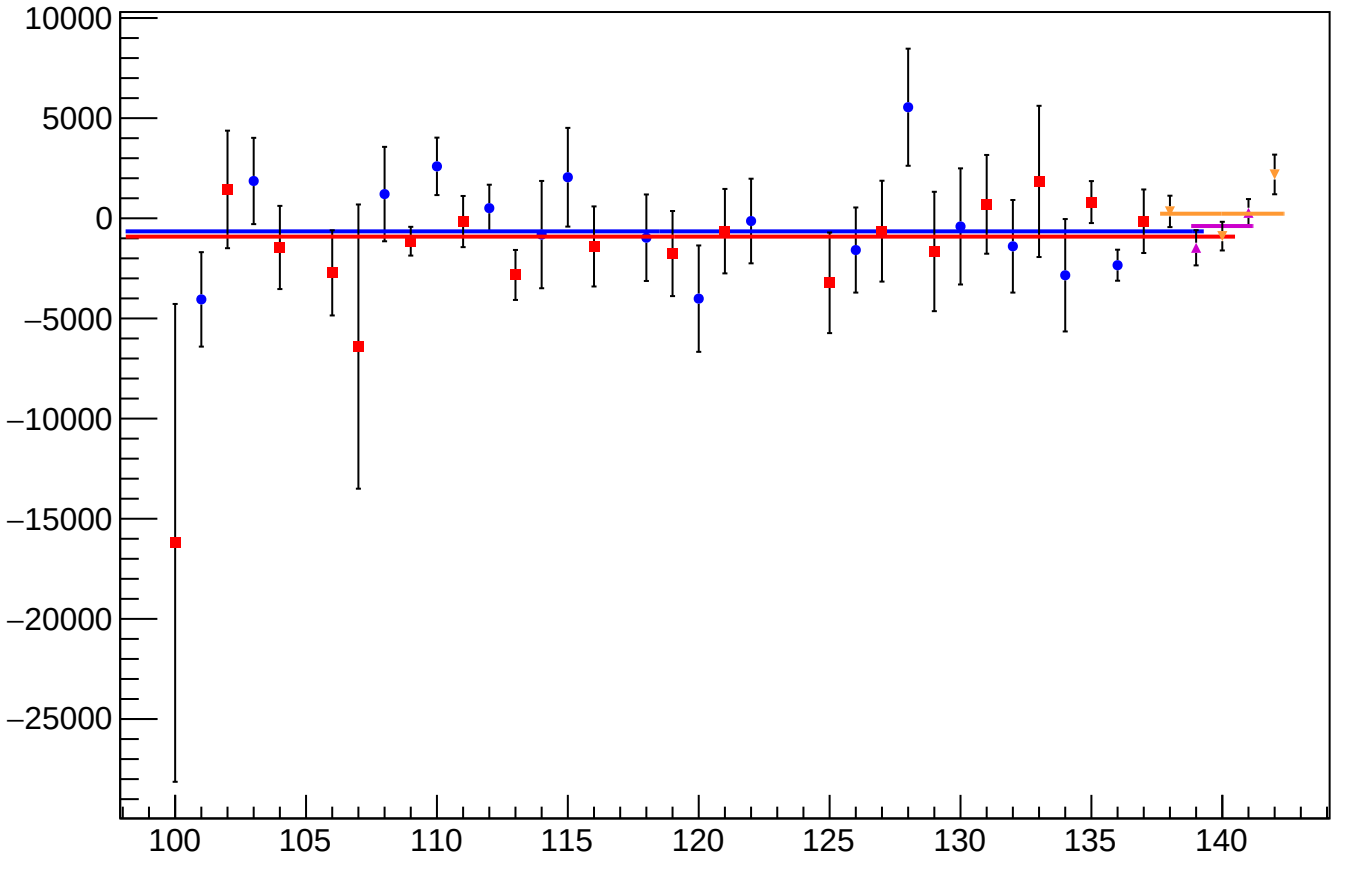
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

+ sign 1831.338+/-0.428 χ^2/NDF: 295882.7/18

All: 1828.121+/-0.305 χ^2/NDF: 399133.5/38

- sign 1824.826+/-0.433 χ^2/NDF: 103136.6/19



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: 229.626+/-466.283 χ^2/NDF:6.4/2

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

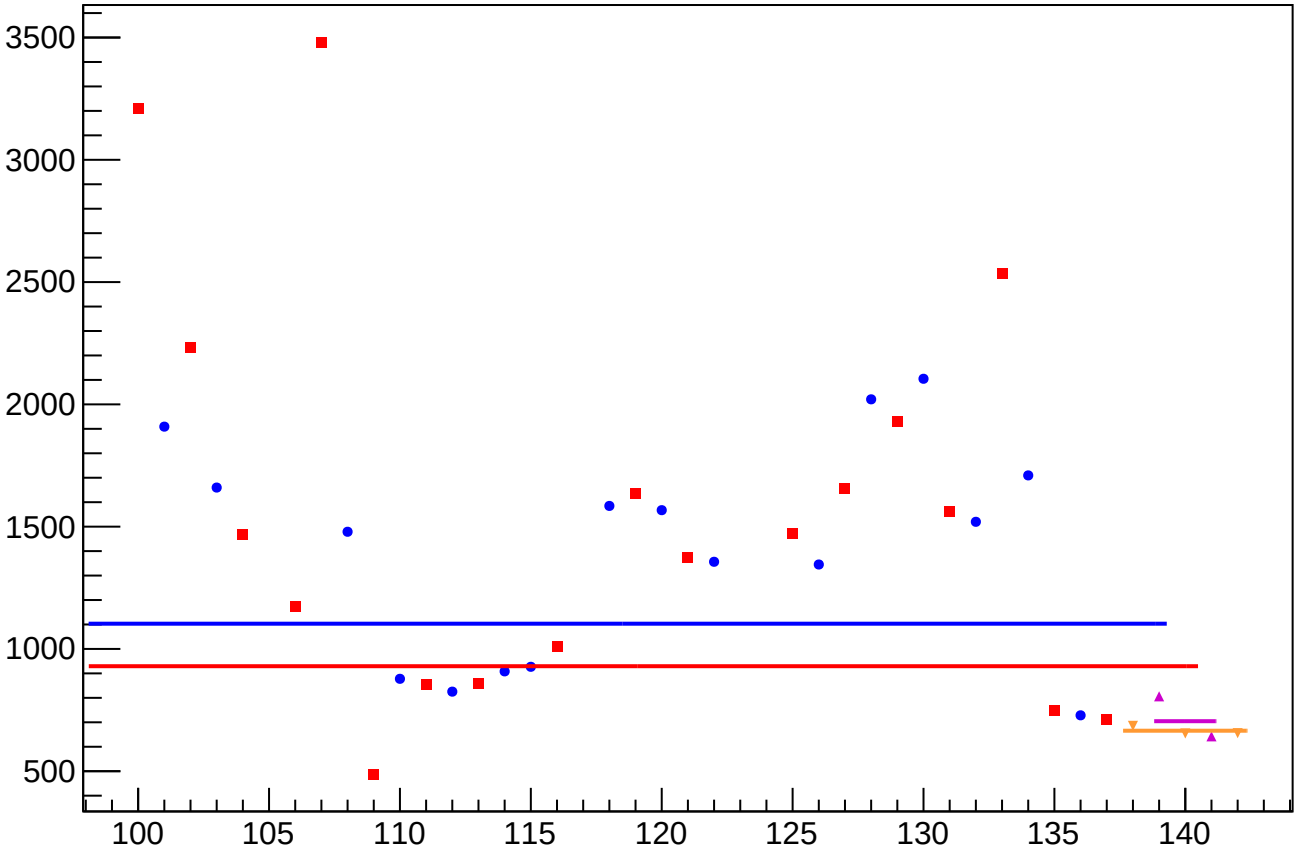
Left In: -385.724+/-540.884 χ^2/NDF:2.5/1

+ sign -234.577+/-320.834 χ^2/NDF: 31.5/18

All: -485.210+/-225.912 χ^2/NDF: 47.3/38

- sign -731.683+/-318.160 χ^2/NDF: 14.6/19

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 665.597+/-0.330 χ^2/NDF:1993.3/2

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

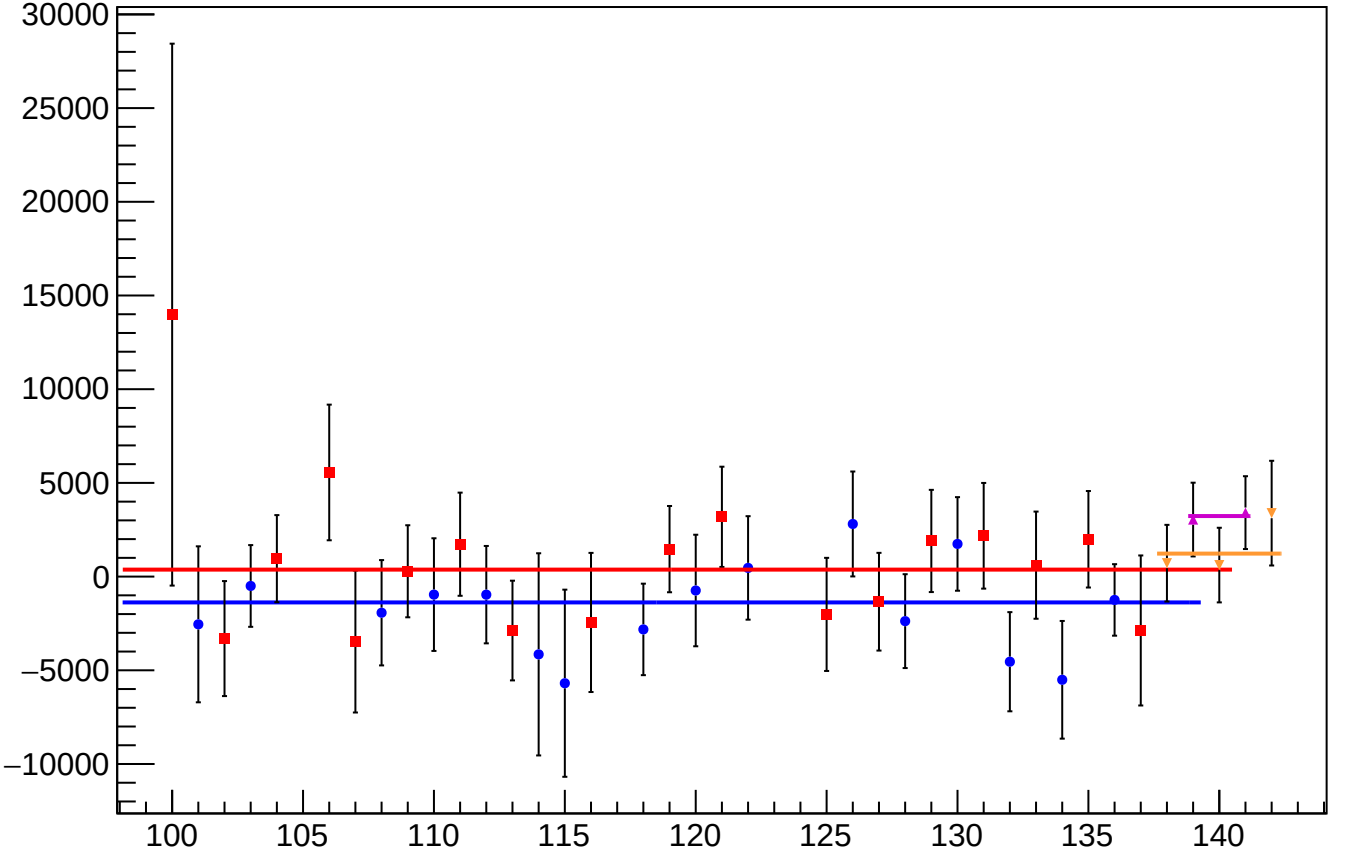
Left In: 704.510+/-0.382 χ^2/NDF:43042.9/1

\+ sign 896.014+/-0.227 χ^2/NDF: 2807661.3/18

All: 873.600+/-0.160 χ^2/NDF: 6150188.1/38

\- sign 851.559+/-0.225 χ^2/NDF: 3323166.7/19

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1226.873+/-1270.680 χ^2/NDF:0.8/2

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

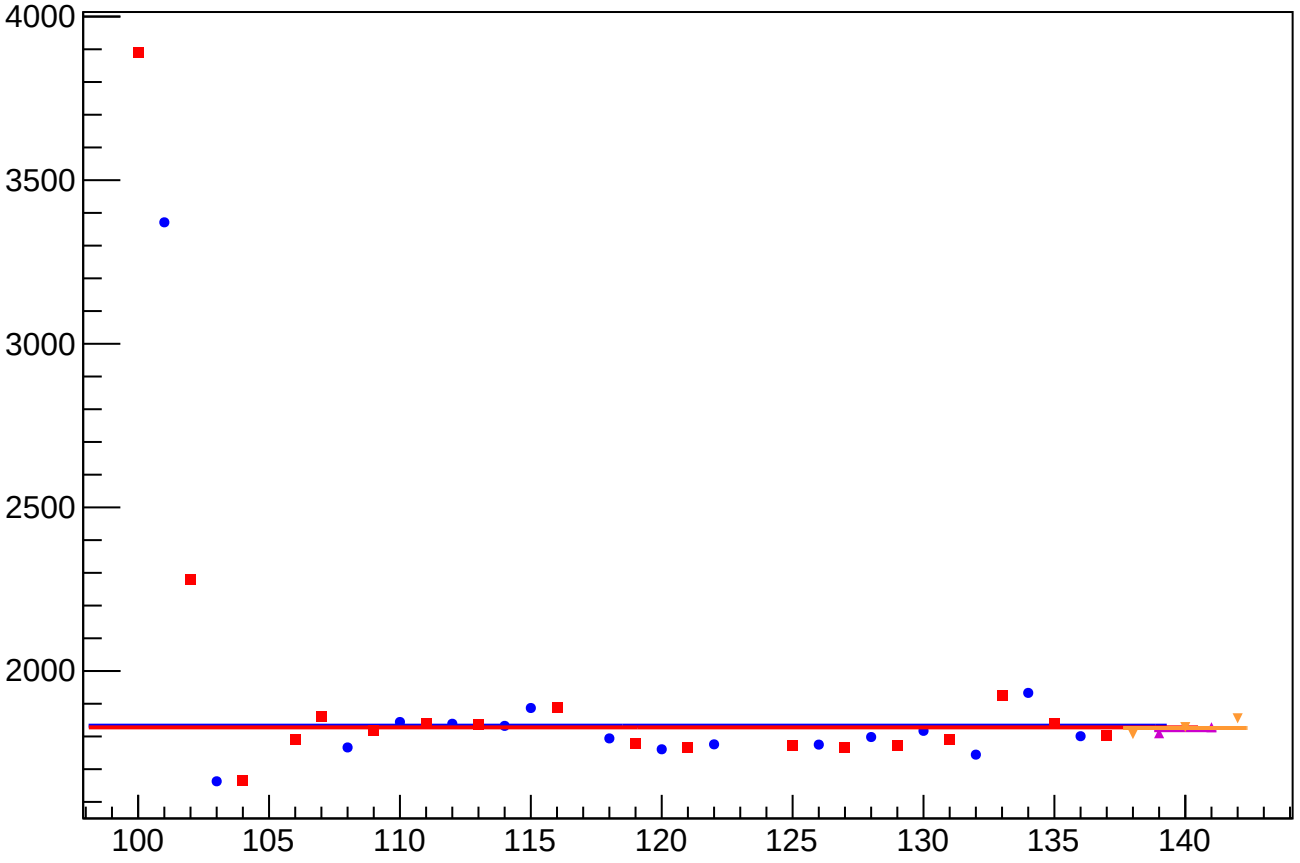
Left In: 3230.873+/-1382.489 χ^2/NDF:0.0/1

+ sign -786.210+/-605.710 χ^2/NDF: 13.3/18

All: 63.673+/-430.981 χ^2/NDF: 32.7/38

- sign 935.165+/-613.362 χ^2/NDF: 15.4/19

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1825.868+/-0.899 χ^2/NDF:395.4/2

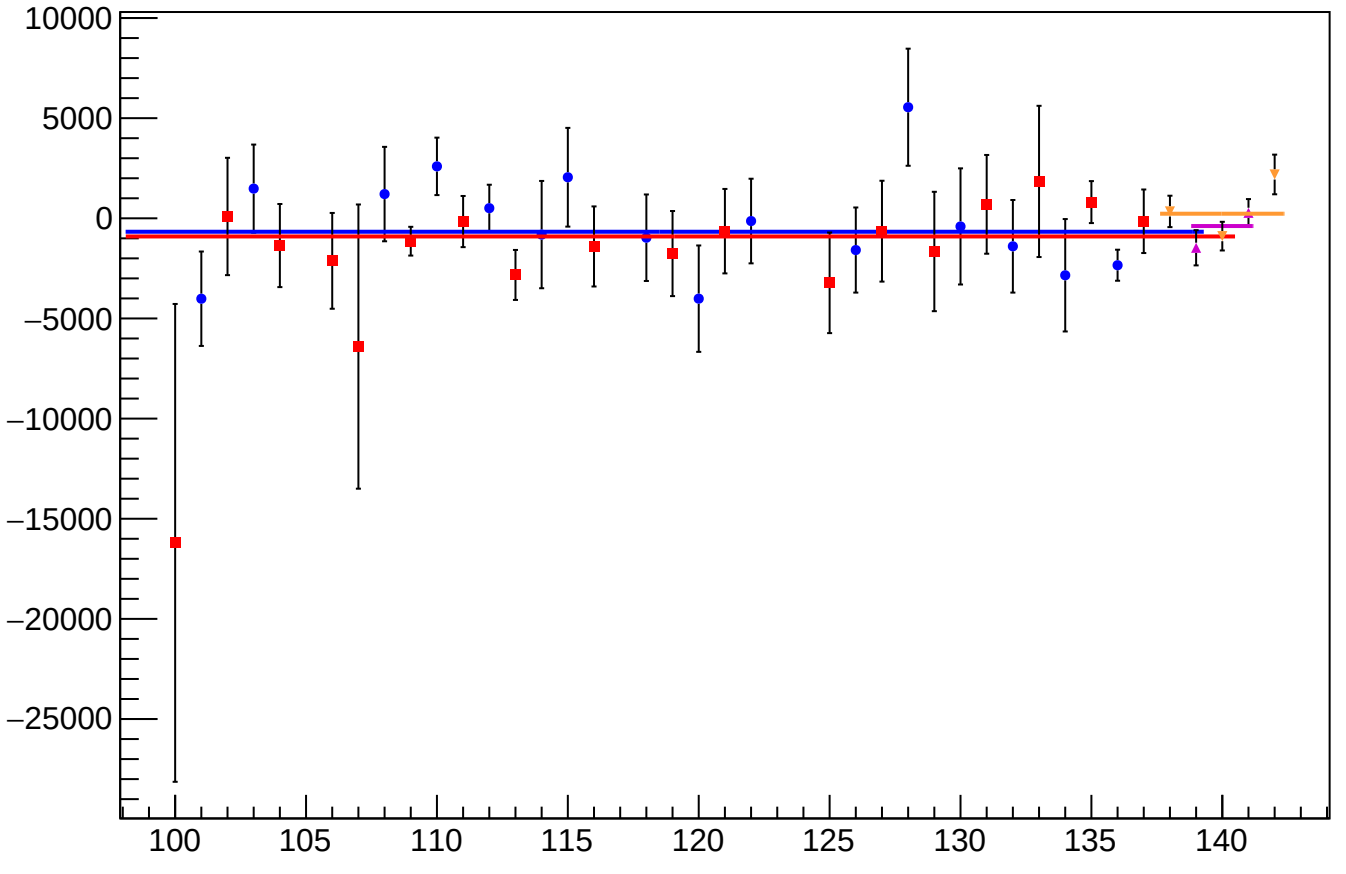
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

+ sign 1831.338+/-0.428 χ^2/NDF: 295884.6/18

All: 1828.748+/-0.305 χ^2/NDF: 398379.7/38

- sign 1826.091+/-0.434 χ^2/NDF: 102421.1/19



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 229.543+/-466.288 χ^2/NDF:6.4/2

Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

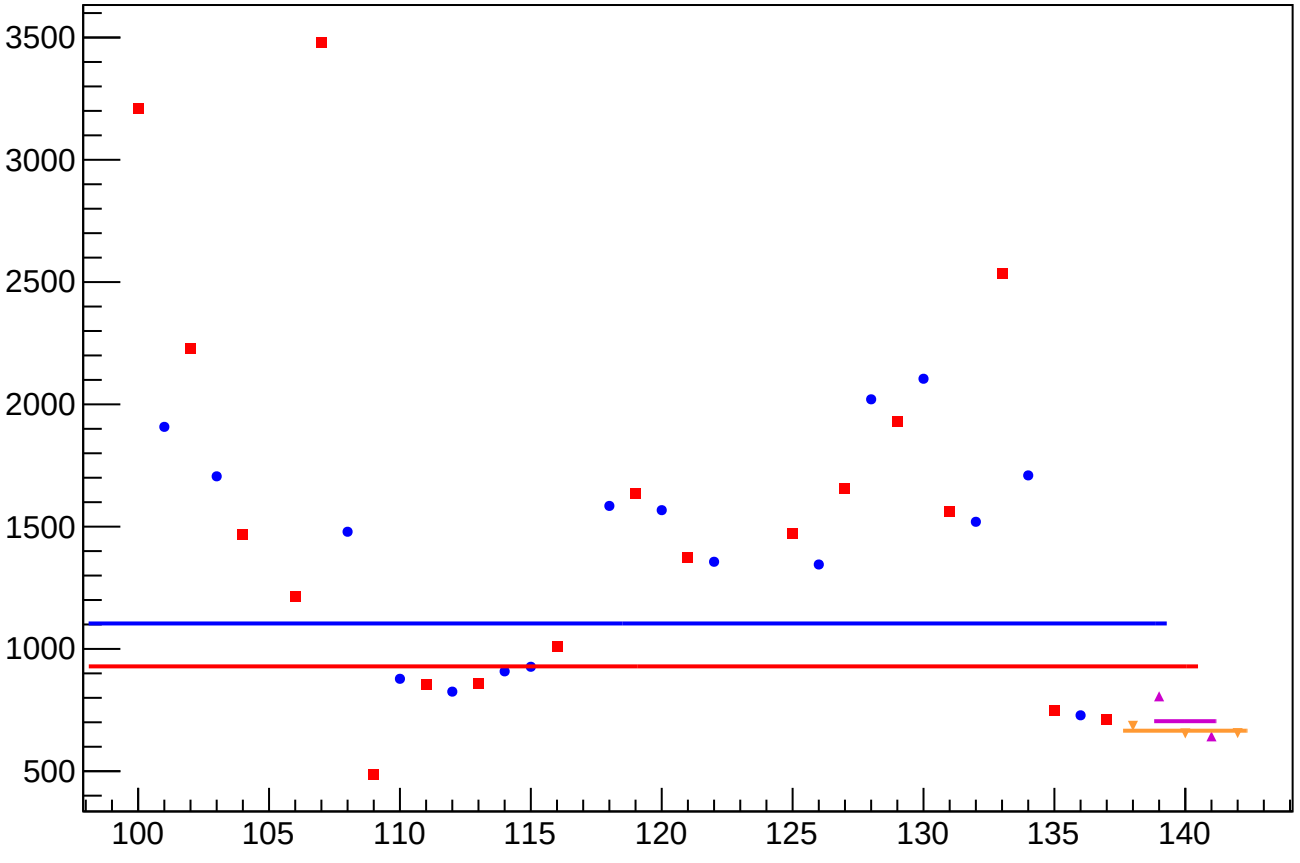
Left In: -385.782+/-540.878 χ^2/NDF:2.4/1

+ sign -244.037+/-320.977 χ^2/NDF: 31.1/18

All: -486.127+/-226.225 χ^2/NDF: 45.8/38

- sign -725.084+/-318.894 χ^2/NDF: 13.6/19

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 665.607+/-0.330 χ^2/NDF:1990.5/2

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

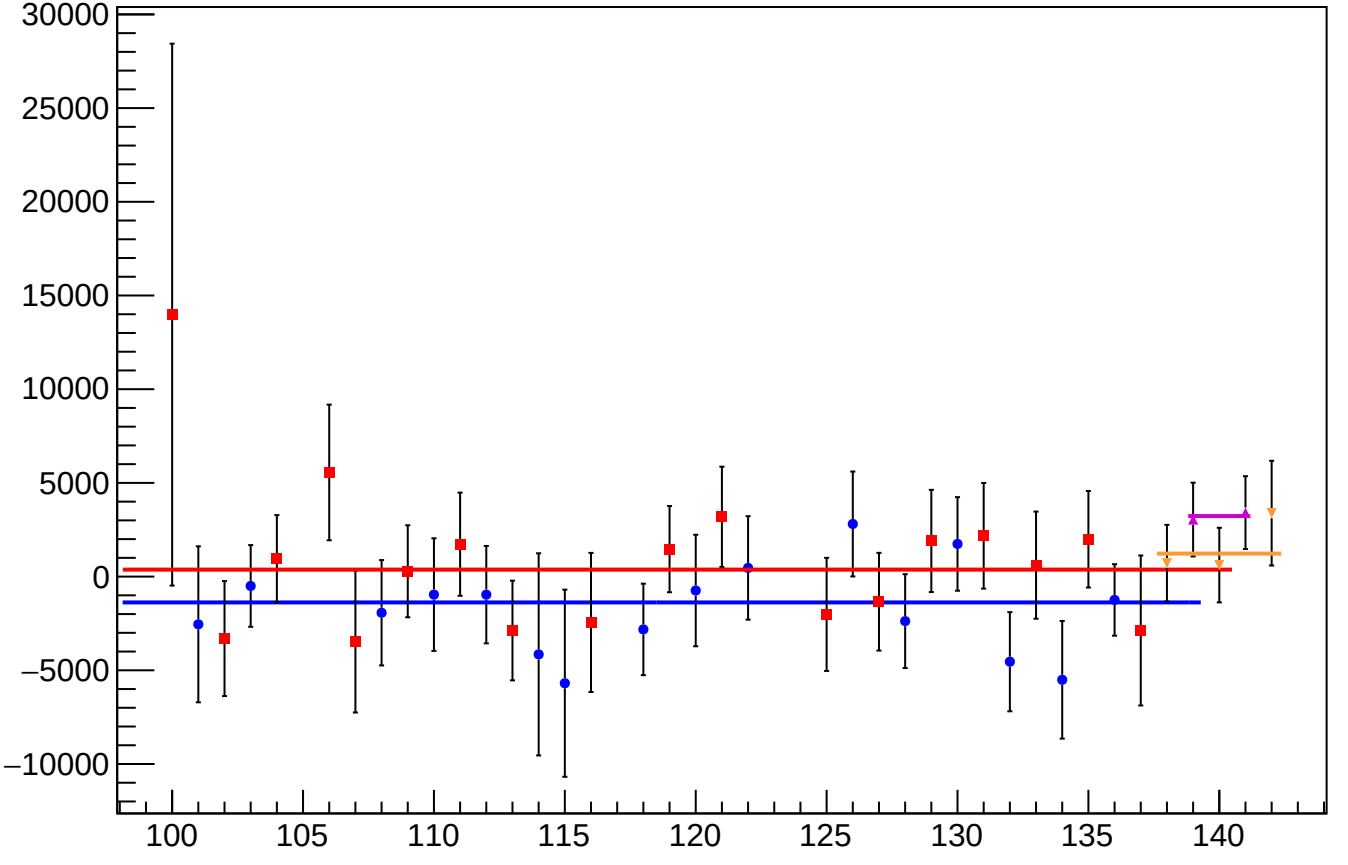
Left In: 704.500+/-0.382 χ^2/NDF:43057.4/1

+ sign 896.322+/-0.227 χ^2/NDF: 2827073.3/18

All: 873.372+/-0.160 χ^2/NDF: 6168873.5/38

- sign 850.719+/-0.225 χ^2/NDF: 3321483.1/19

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: 1226.873+/-1270.680 χ^2/NDF:0.8/2

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

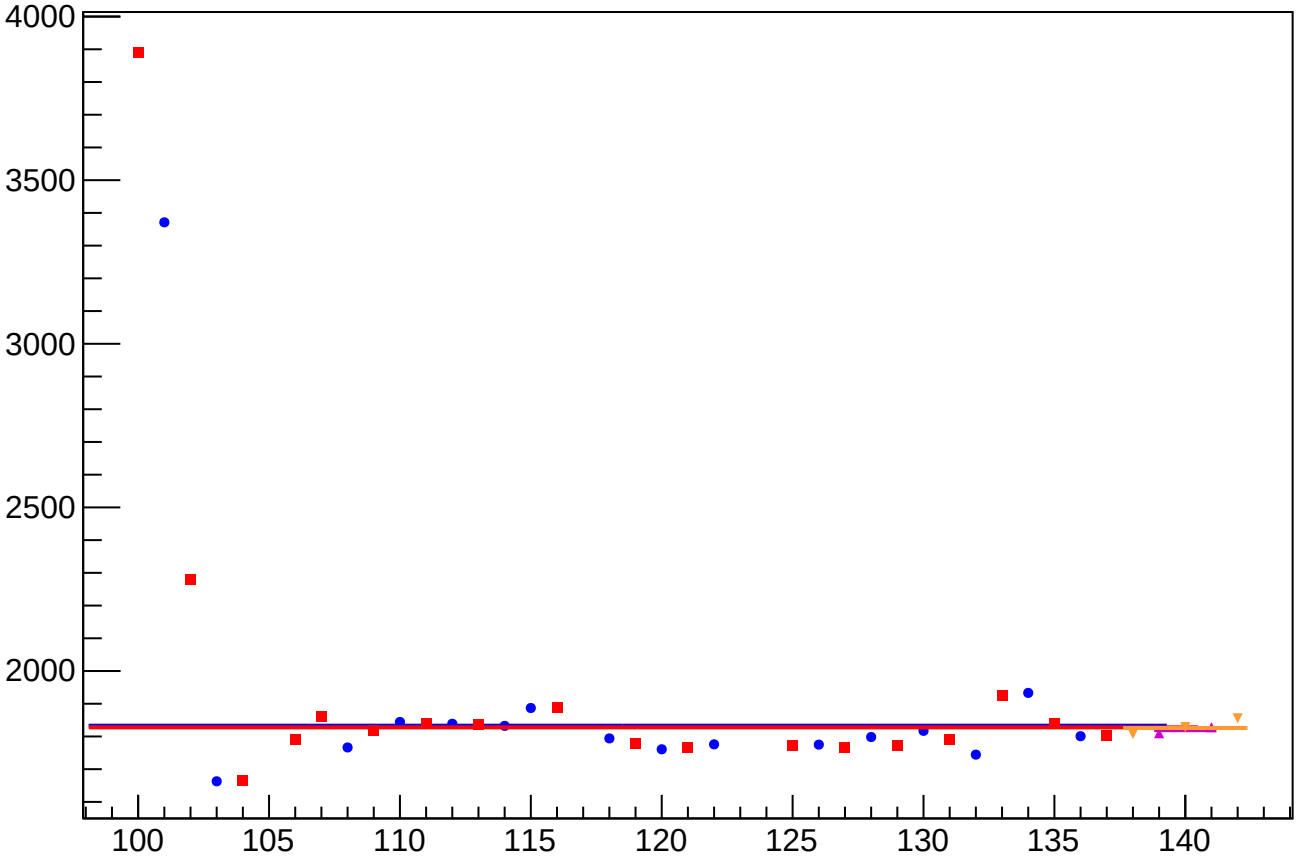
Left In: 3230.873+/-1382.489 χ^2/NDF:0.0/1

+ sign -786.210+/-605.710 χ^2/NDF: 13.3/18

All: 63.673+/-430.981 χ^2/NDF: 32.7/38

- sign 935.165+/-613.362 χ^2/NDF: 15.4/19

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: 1825.868+/-0.899 χ^2/NDF:395.4/2

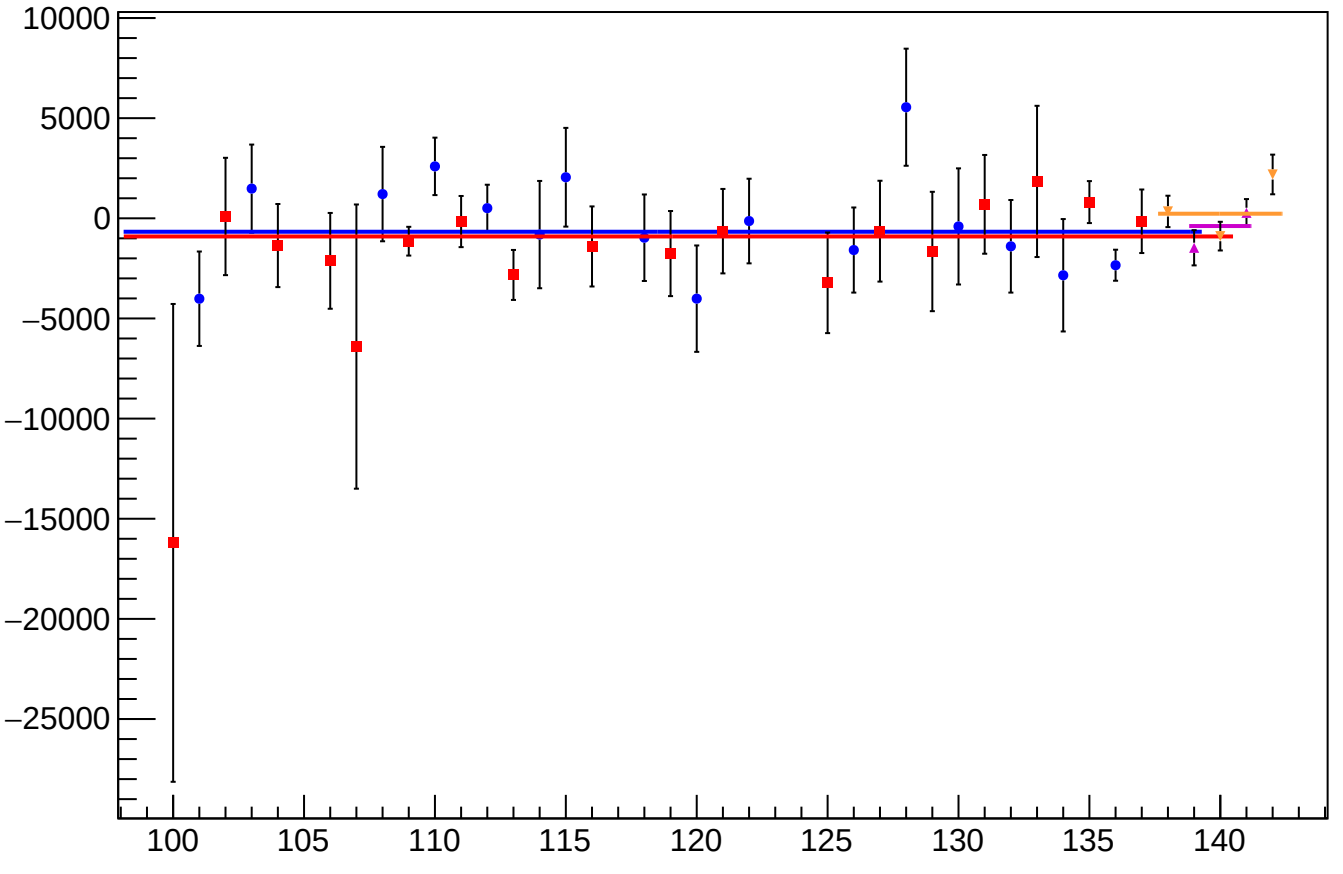
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

+ sign 1831.338+/-0.428 χ^2/NDF: 295884.6/18

All: 1828.748+/-0.305 χ^2/NDF: 398379.7/38

- sign 1826.091+/-0.434 χ^2/NDF: 102421.1/19



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 229.543+/-466.288 χ^2/NDF:6.4/2

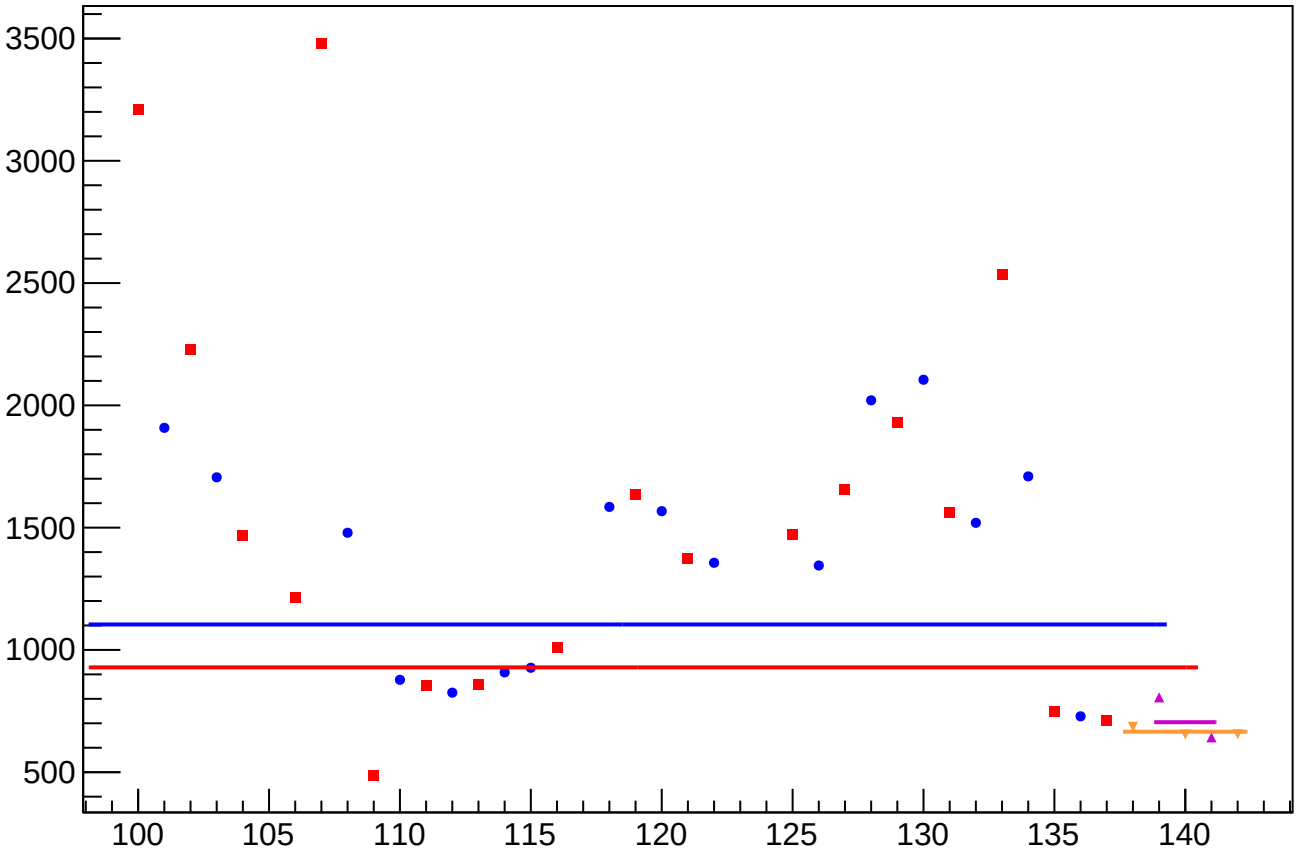
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -385.782+/-540.878 χ^2/NDF:2.4/1

\+ sign -244.037+/-320.977 χ^2/NDF: 31.1/18

All: -486.127+/-226.225 χ^2/NDF: 45.8/38

\- sign -725.084+/-318.894 χ^2/NDF: 13.6/19



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 665.607+/-0.330 χ^2/NDF:1990.5/2

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

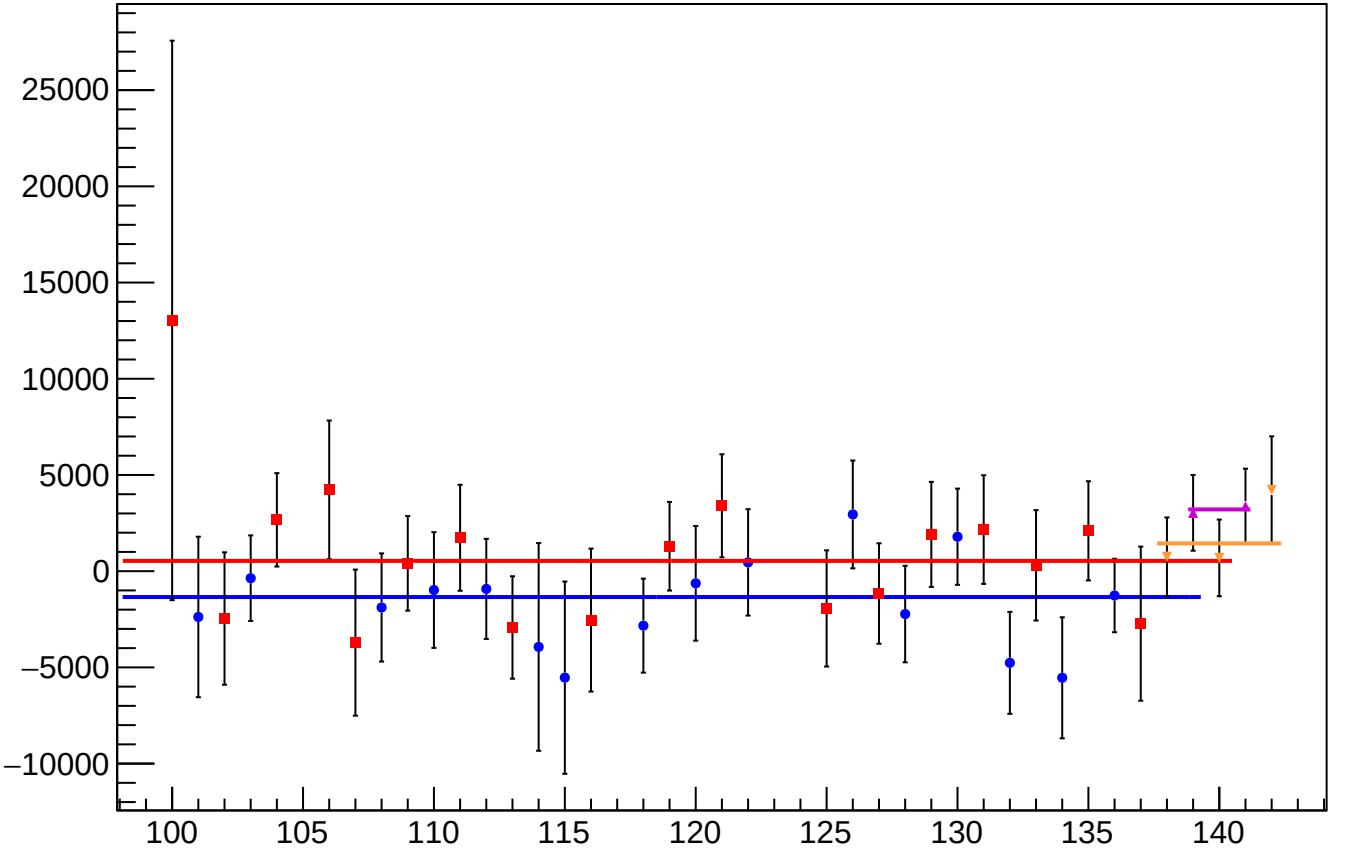
Left In: 704.500+/-0.382 χ^2/NDF:43057.4/1

\+ sign 896.322+/-0.227 χ^2/NDF: 2827073.3/18

All: 873.372+/-0.160 χ^2/NDF: 6168873.5/38

\- sign 850.719+/-0.225 χ^2/NDF: 3321483.1/19

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 1443.606+/-1271.200 χ^2/NDF:1.2/2

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

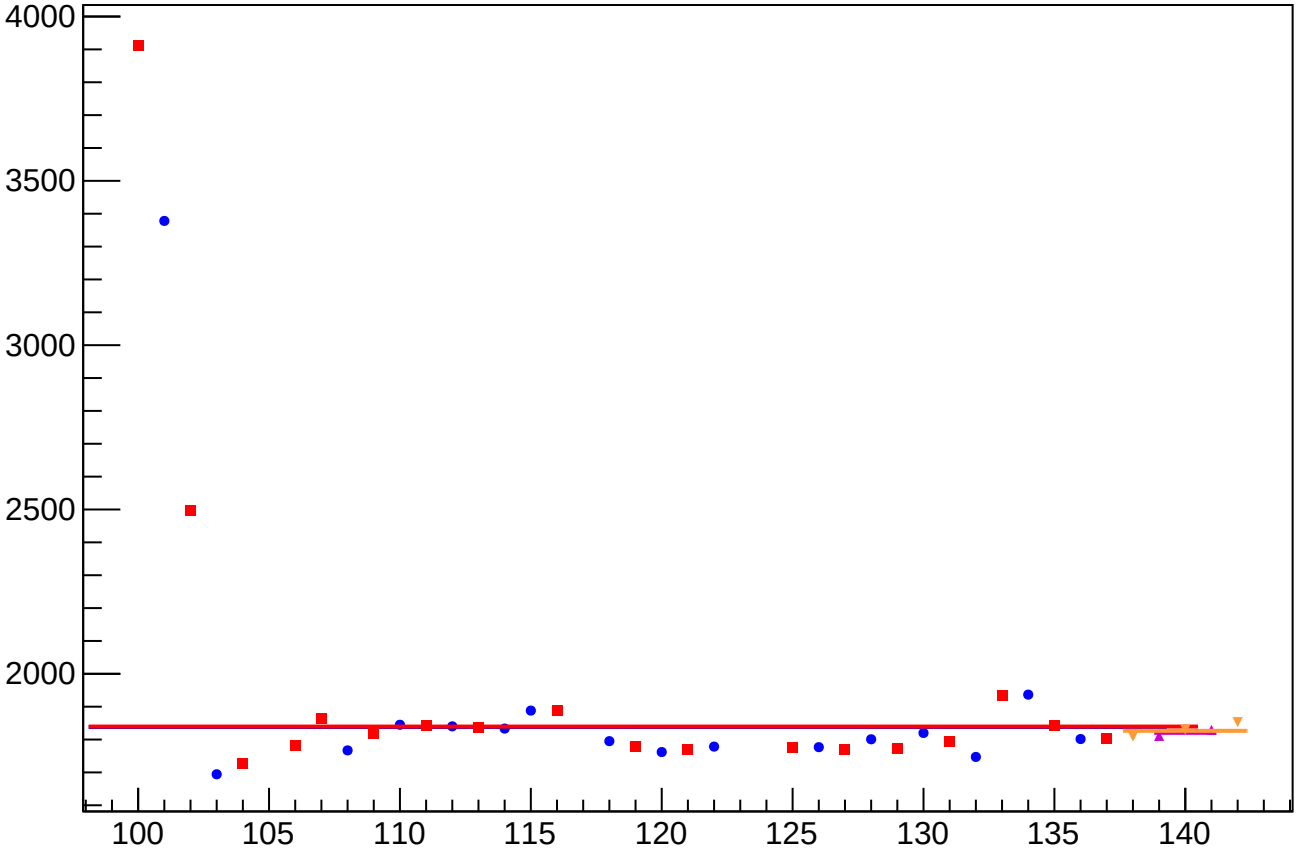
Left In: 3208.997+/-1383.435 χ^2/NDF:0.0/1

+ sign -708.235+/-607.063 χ^2/NDF: 14.6/18

All: 163.914+/-433.127 χ^2/NDF: 32.9/38

- sign 1068.230+/-618.156 χ^2/NDF: 14.1/19

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1826.553+/-0.899 χ^2/NDF:334.3/2

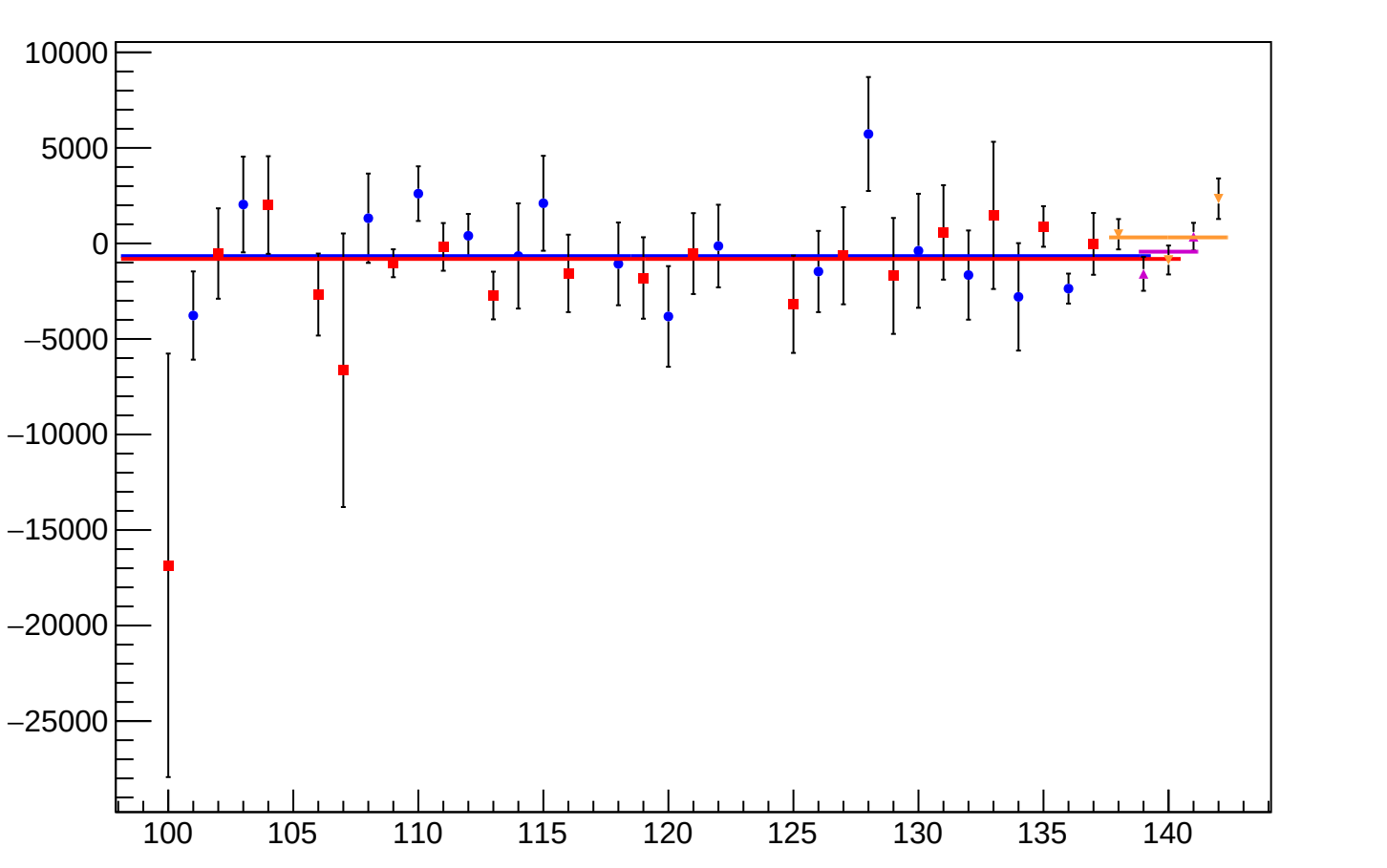
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1820.419+/-0.978 χ^2/NDF:87.7/1

+ sign 1835.512+/-0.429 χ^2/NDF: 292447.0/18

All: 1835.606+/-0.306 χ^2/NDF: 421093.5/38

- sign 1835.704+/-0.437 χ^2/NDF: 128646.4/19



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: 315.994+/-486.843 χ^2/NDF:6.1/2

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

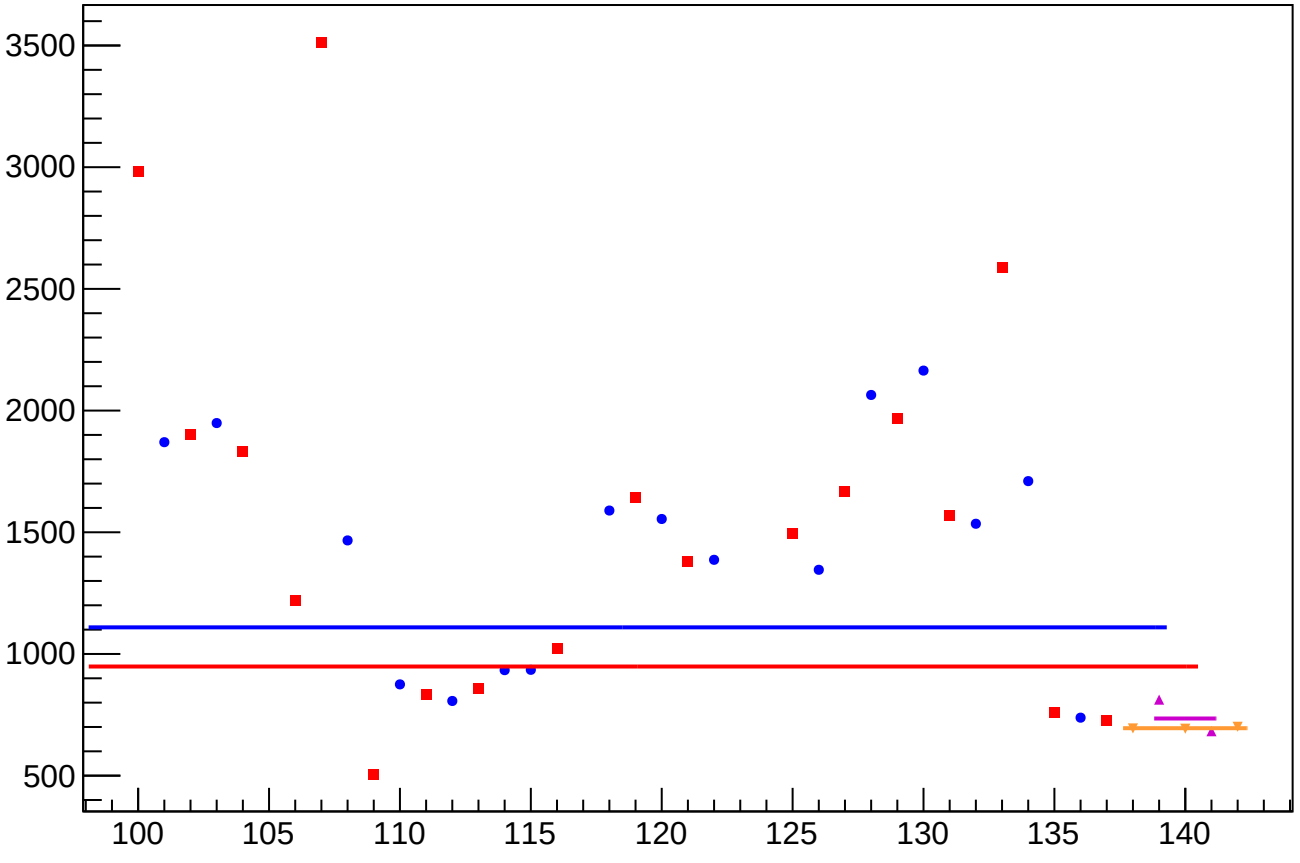
Left In: -432.033+/-562.705 χ^2/NDF:2.9/1

+ sign -216.656+/-328.824 χ^2/NDF: 31.1/18

All: -454.322+/-230.967 χ^2/NDF: 47.5/38

- sign -685.769+/-324.493 χ^2/NDF: 15.4/19

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 695.001+/-0.344 χ^2/NDF:79.9/2

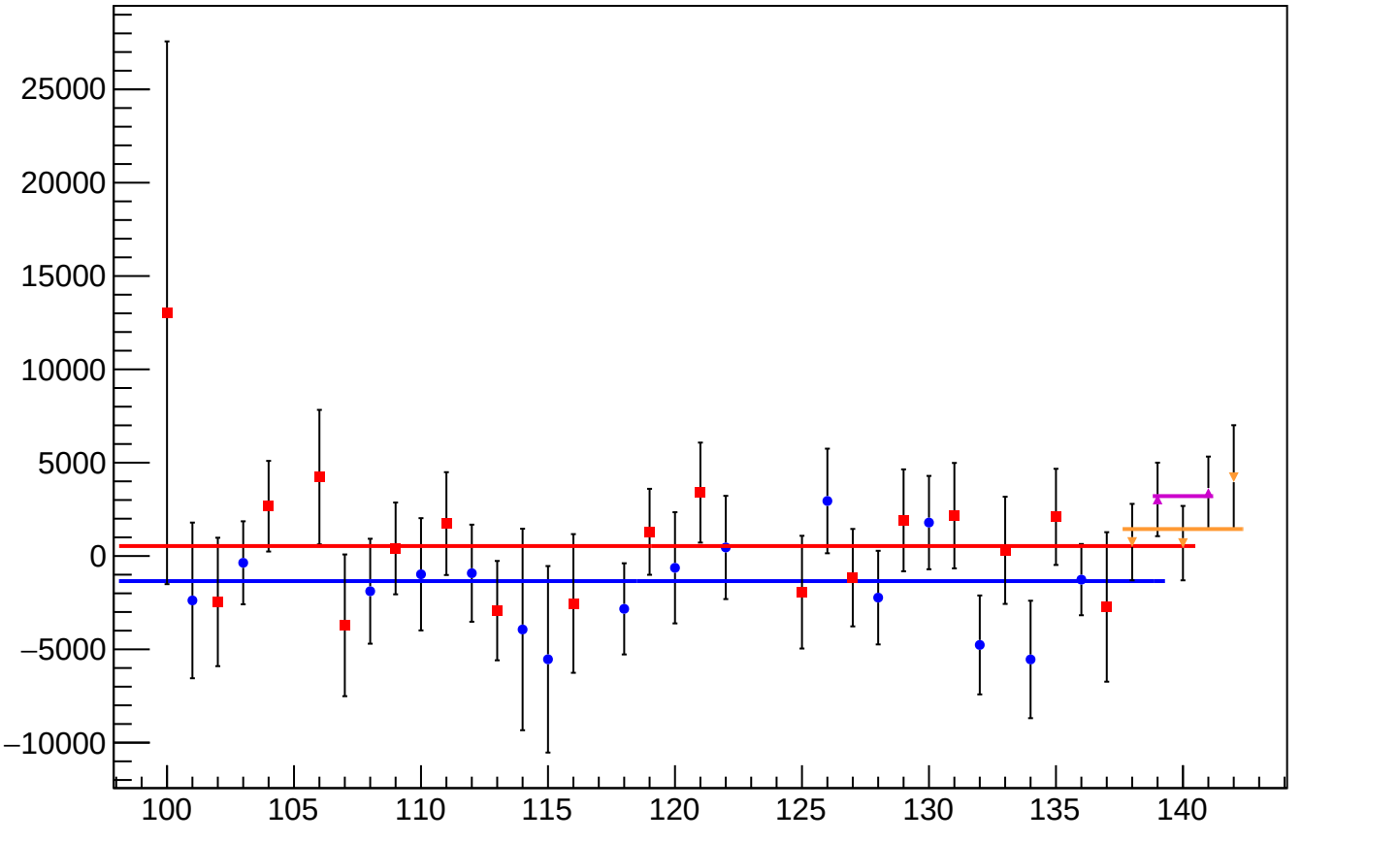
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 734.858+/-0.398 χ^2/NDF:25592.2/1

+ sign 920.333+/-0.233 χ^2/NDF: 2761314.2/18

All: 898.589+/-0.163 χ^2/NDF: 6050155.1/38

- sign 877.413+/-0.229 χ^2/NDF: 3271578.0/19



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 1443.611+/-1271.200 χ^2/NDF:1.2/2

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

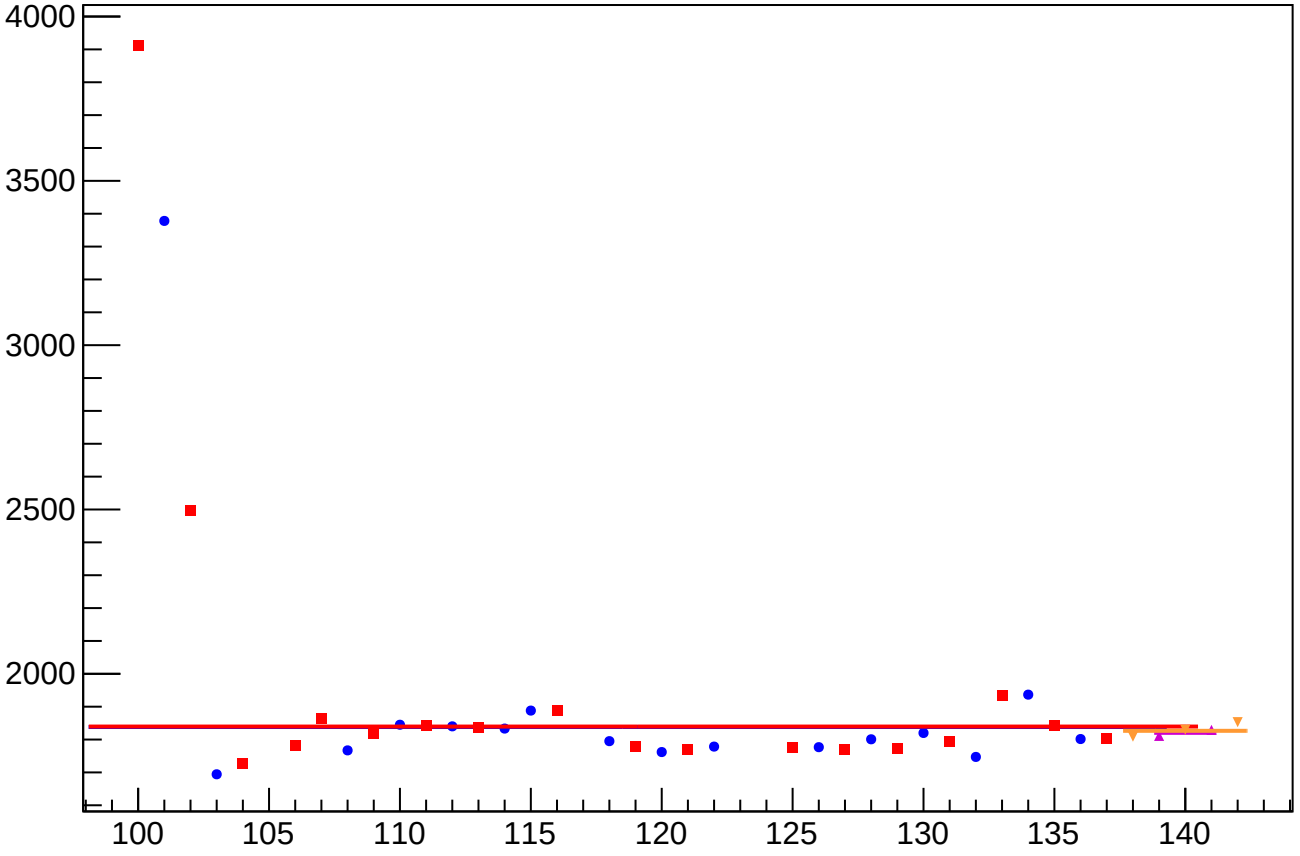
Left In: 3208.983+/-1383.435 χ^2/NDF:0.0/1

+ sign -708.236+/-607.063 χ^2/NDF: 14.6/18

All: 163.914+/-433.127 χ^2/NDF: 32.9/38

- sign 1068.231+/-618.156 χ^2/NDF: 14.1/19

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: 1826.553+/-0.899 χ^2/NDF:334.3/2

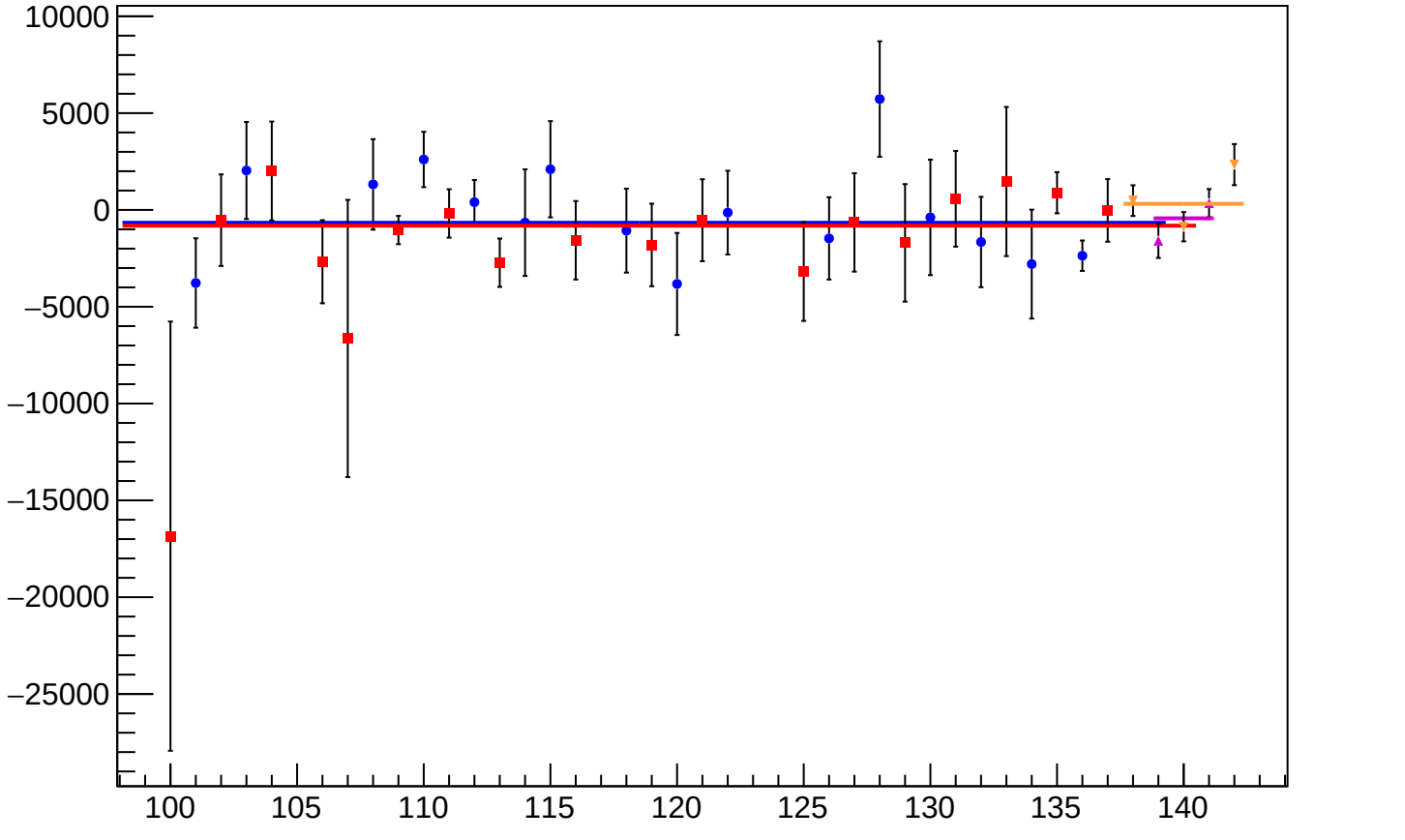
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1820.419+/-0.978 χ^2/NDF:87.7/1

+ sign 1835.512+/-0.429 χ^2/NDF: 292447.0/18

All: 1835.606+/-0.306 χ^2/NDF: 421093.5/38

- sign 1835.704+/-0.437 χ^2/NDF: 128646.4/19



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: 315.999+/-486.848 χ^2/NDF:6.1/2

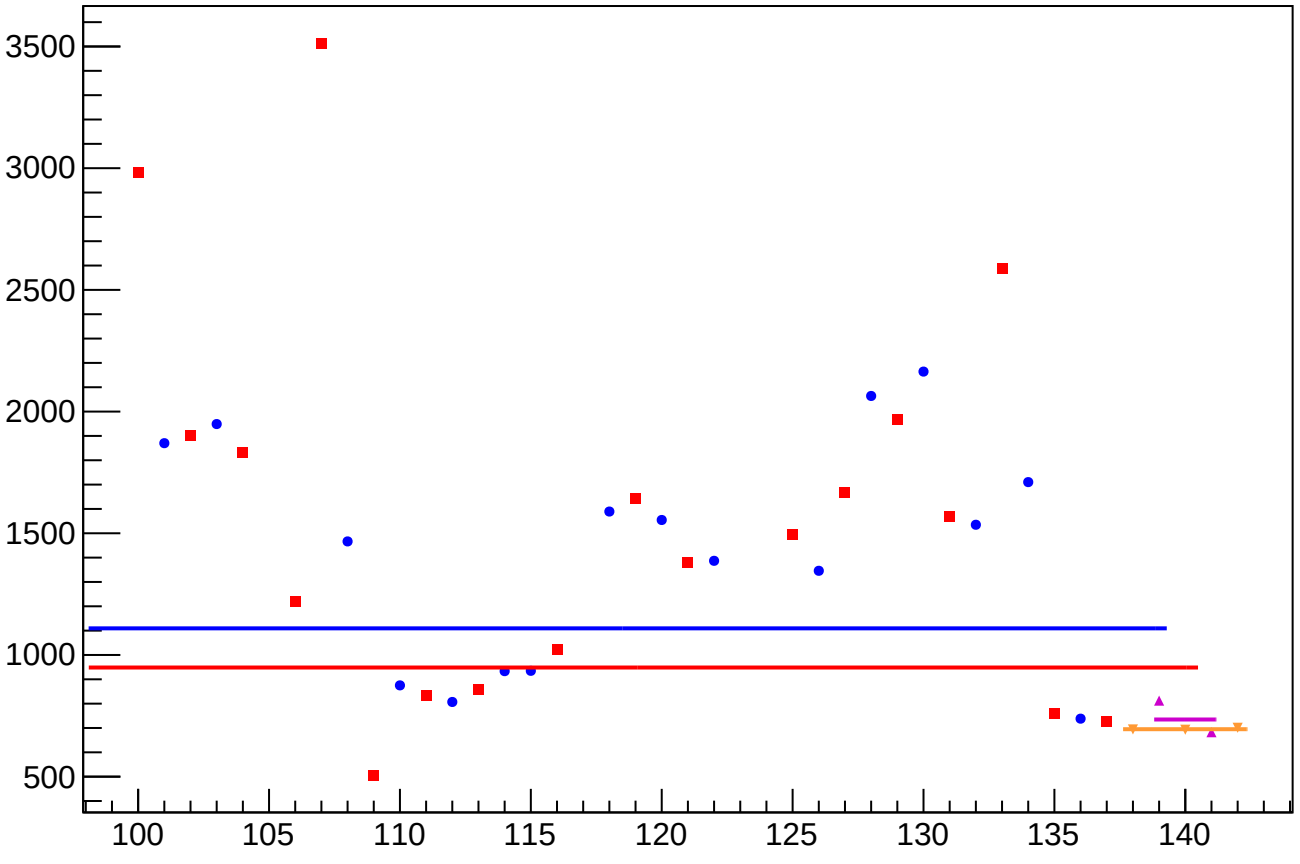
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -432.026+/-562.711 χ^2/NDF:2.9/1

+ sign -216.651+/-328.825 χ^2/NDF: 31.1/18

All: -454.321+/-230.968 χ^2/NDF: 47.5/38

- sign -685.772+/-324.495 χ^2/NDF: 15.4/19



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 695.008+/-0.344 χ^2/NDF:79.8/2

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

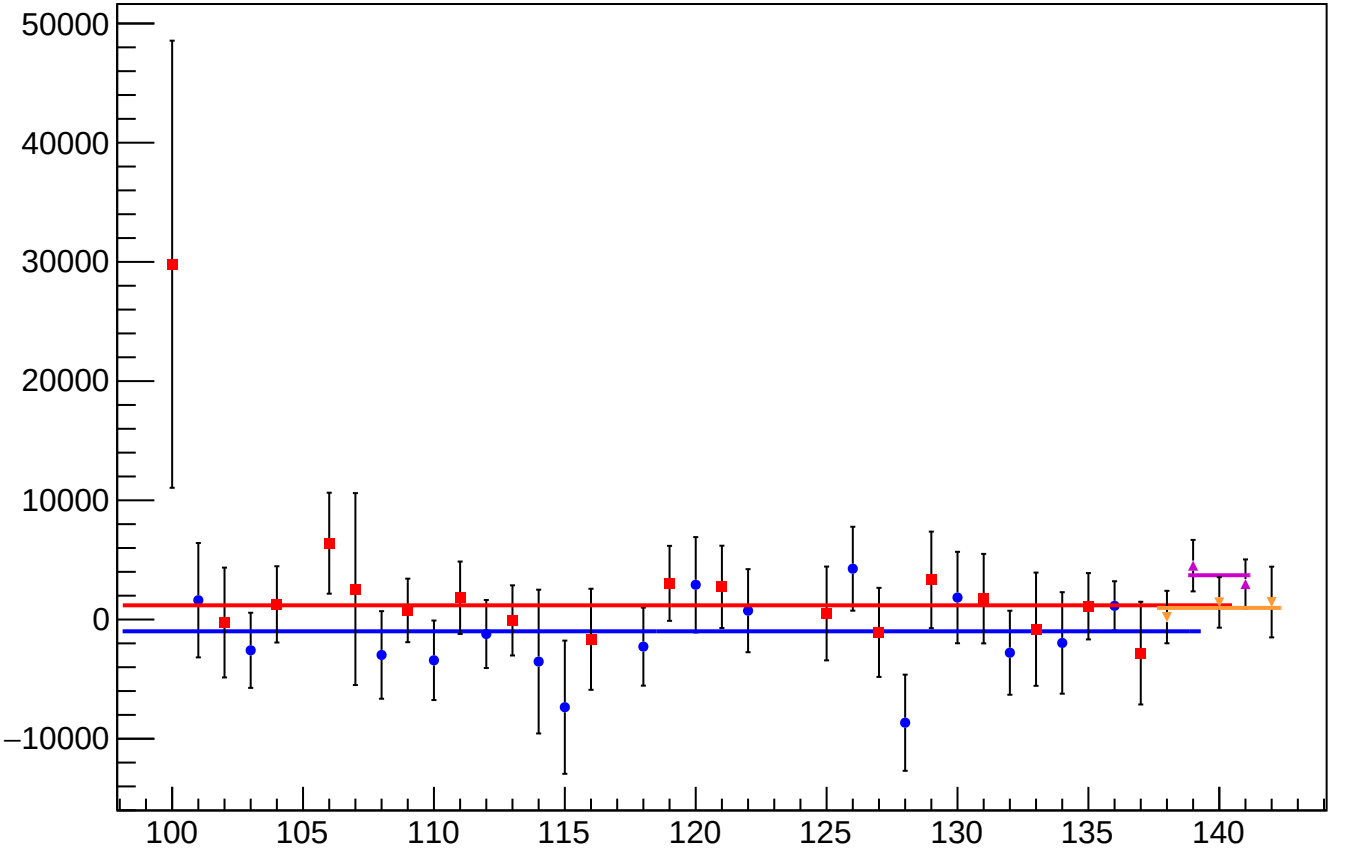
Left In: 734.865+/-0.398 χ^2/NDF:25597.6/1

+ sign 920.340+/-0.233 χ^2/NDF: 2761248.4/18

All: 898.594+/-0.163 χ^2/NDF: 6050058.6/38

- sign 877.418+/-0.229 χ^2/NDF: 3271545.9/19

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 974.420+/-1357.636 χ^2/NDF:0.2/2

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

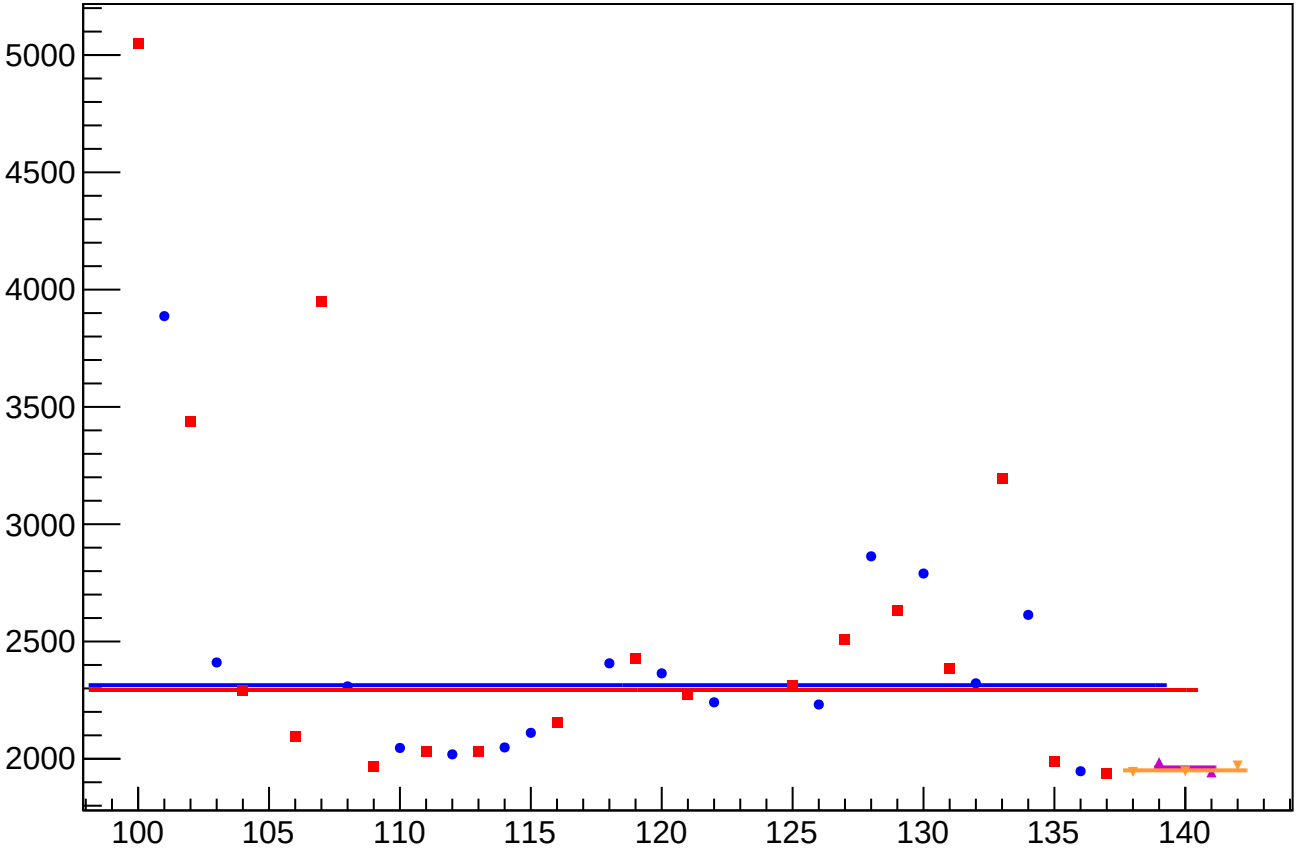
Left In: 3714.564+/-1492.087 χ^2/NDF:0.3/1

+ sign -412.822+/-734.791 χ^2/NDF: 13.7/18

All: 684.138+/-525.503 χ^2/NDF: 27.6/38

- sign 1832.625+/-751.851 χ^2/NDF: 9.4/19

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1950.736+/-0.960 χ^2/NDF:121.7/2

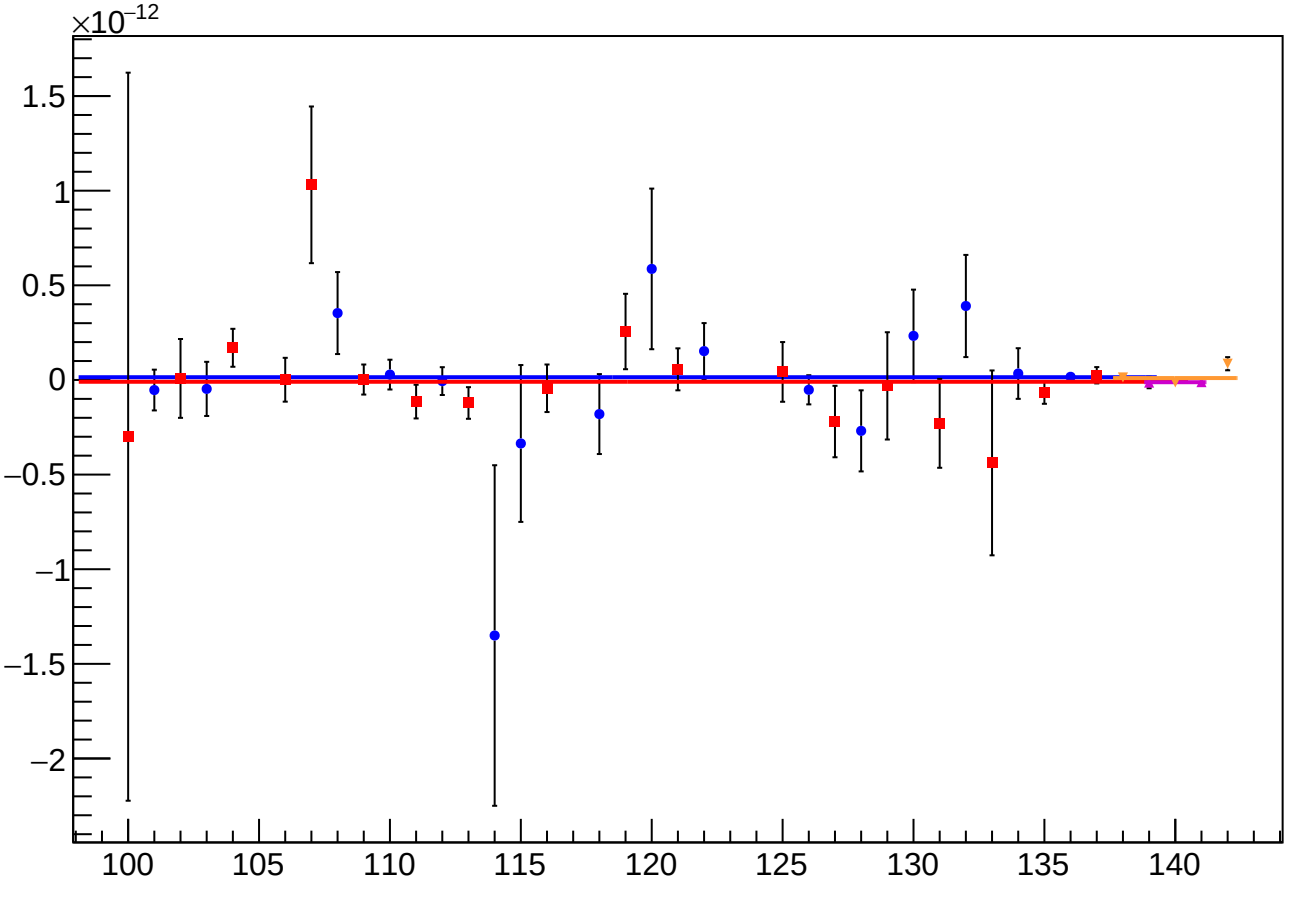
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.119+/-1.055 χ^2/NDF:428.5/1

+ sign 2207.407+/-0.520 χ^2/NDF: 503978.6/18

All: 2208.403+/-0.372 χ^2/NDF: 1030675.3/38

- sign 2209.446+/-0.532 χ^2/NDF: 526689.1/19



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/2

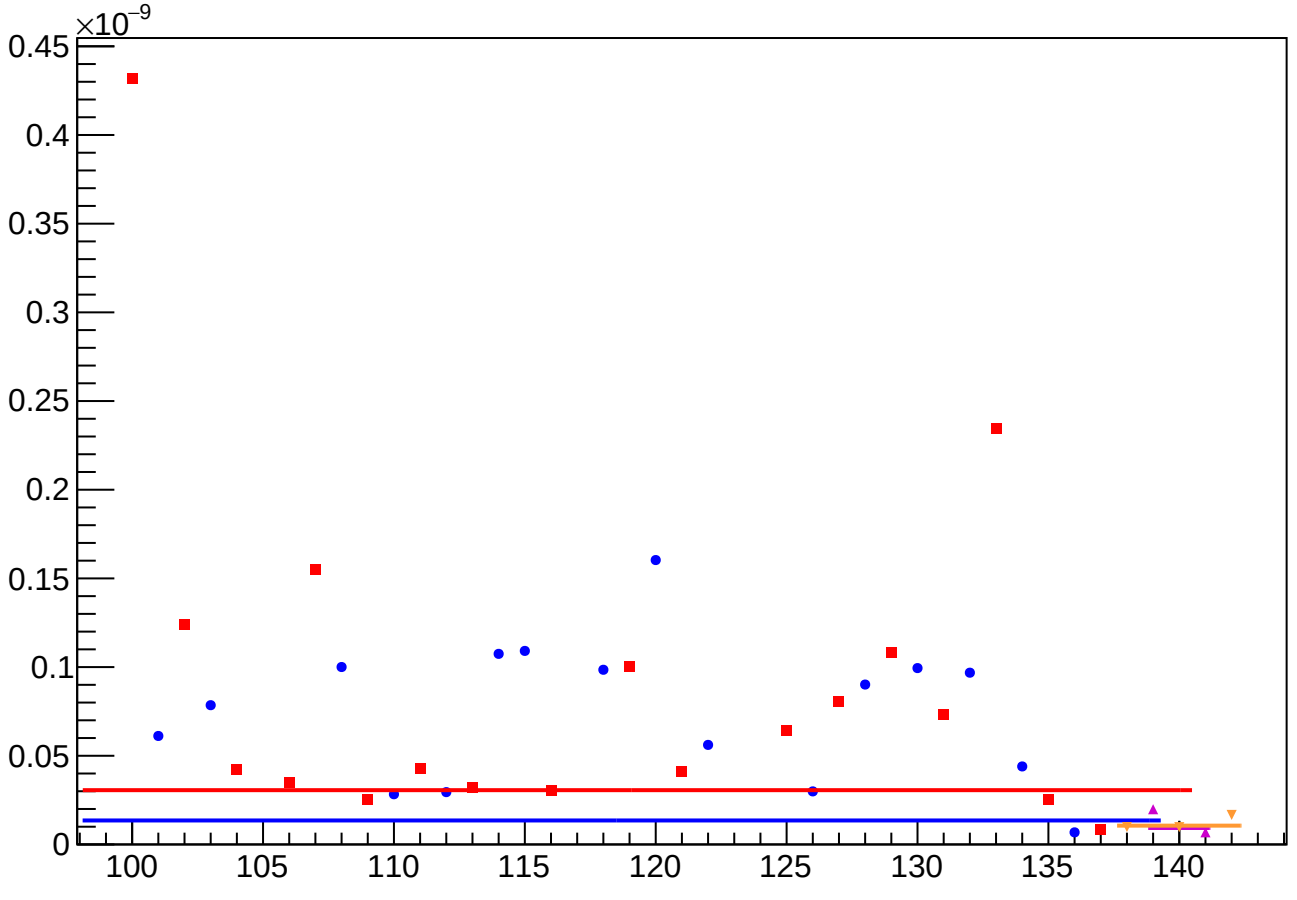
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.5/18

All: 0.000+/-0.000 χ^2/NDF: 43.5/38

- sign -0.000+/-0.000 χ^2/NDF: 19.5/19



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:68592.3/2

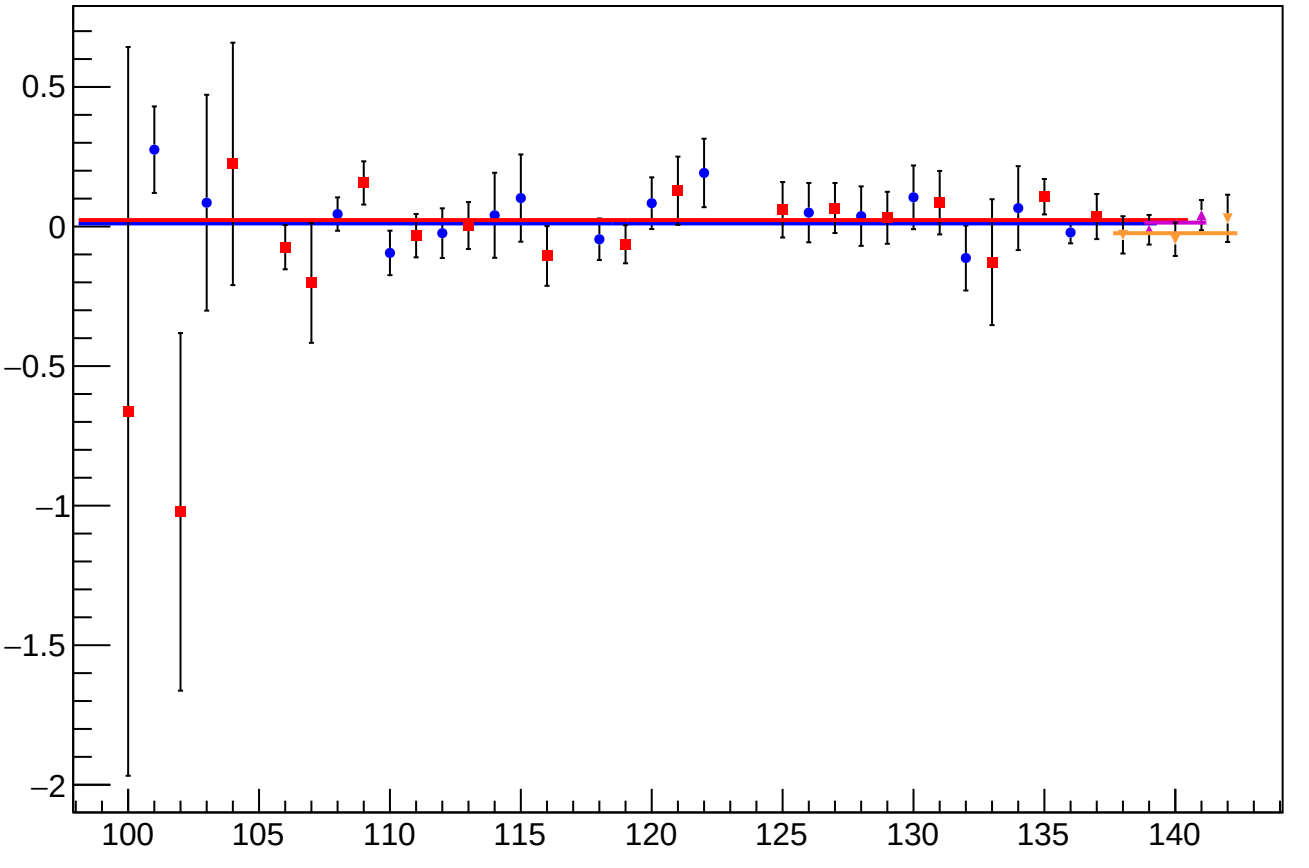
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:304805.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 3534700.2/18

All: 0.000+/-0.000 χ^2/NDF: 7448946.7/38

- sign 0.000+/-0.000 χ^2/NDF: 3867565.6/19



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.039 χ^2/NDF:0.5/2

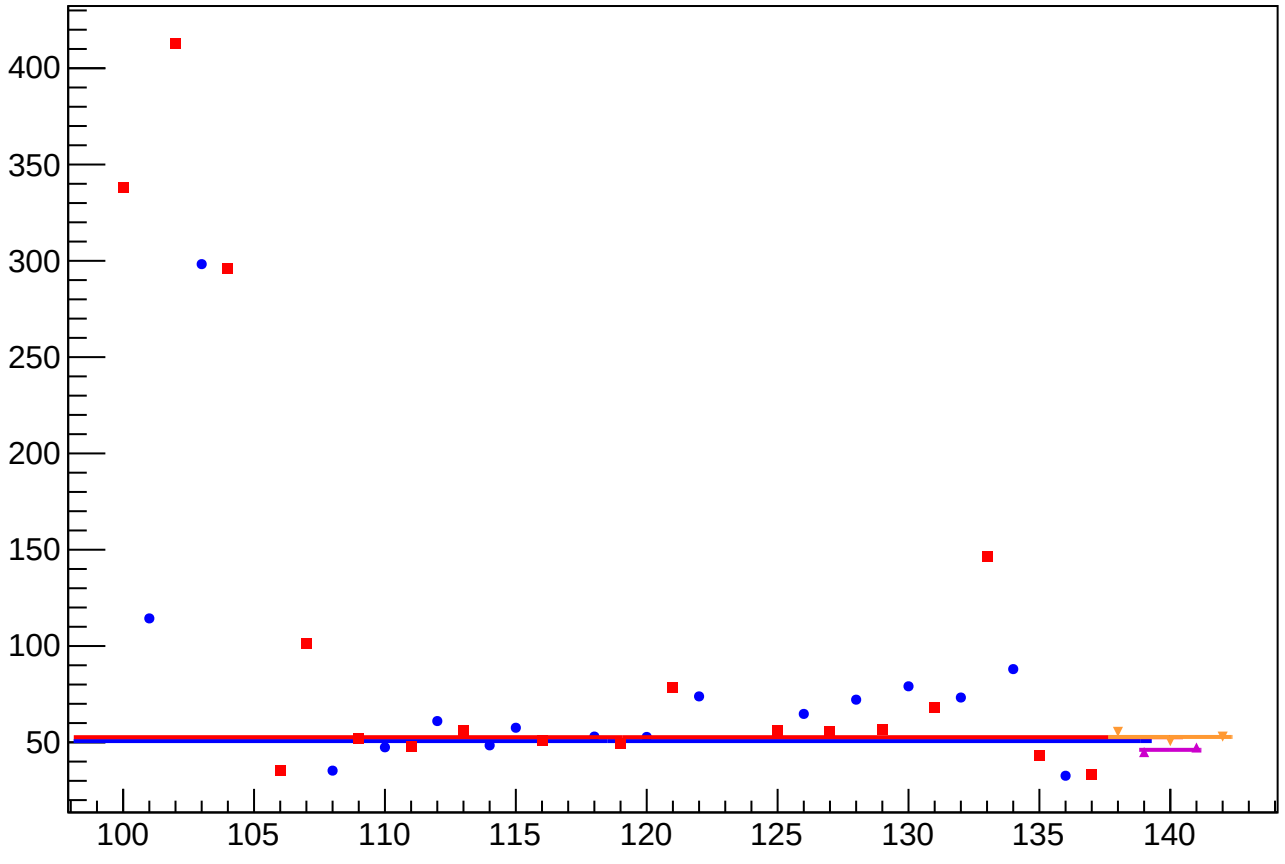
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.014+/-0.038 χ^2/NDF:0.5/1

+ sign 0.003+/-0.019 χ^2/NDF: 12.9/18

All: 0.011+/-0.014 χ^2/NDF: 29.8/38

- sign 0.021+/-0.020 χ^2/NDF: 16.5/19



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 52.788+/-0.028 χ^2/NDF:5841.3/2

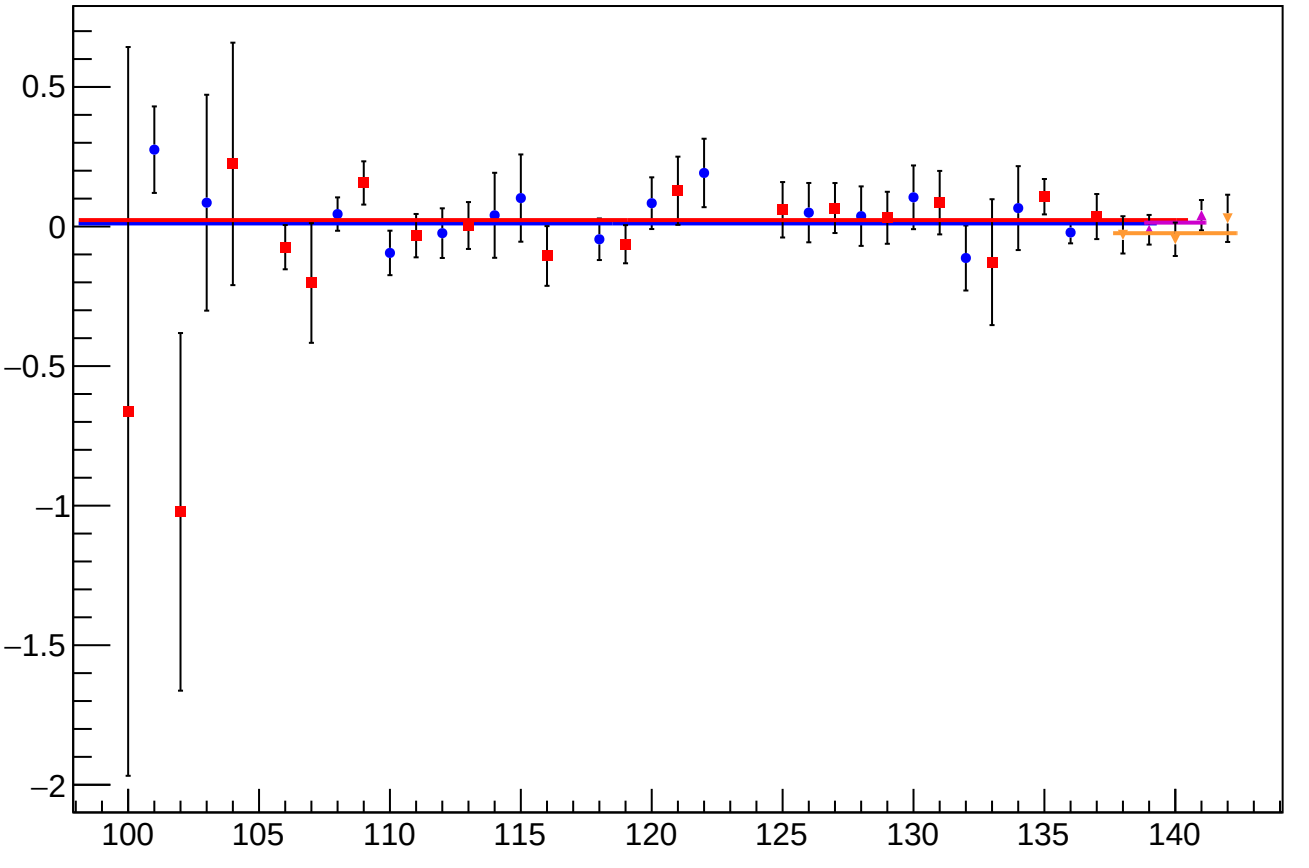
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.099+/-0.027 χ^2/NDF:1954.0/1

+ sign 51.149+/-0.014 χ^2/NDF: 2276802.1/18

All: 51.024+/-0.010 χ^2/NDF: 4534505.1/38

- sign 50.892+/-0.014 χ^2/NDF: 2257527.3/19



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.039 χ^2/NDF:0.5/2

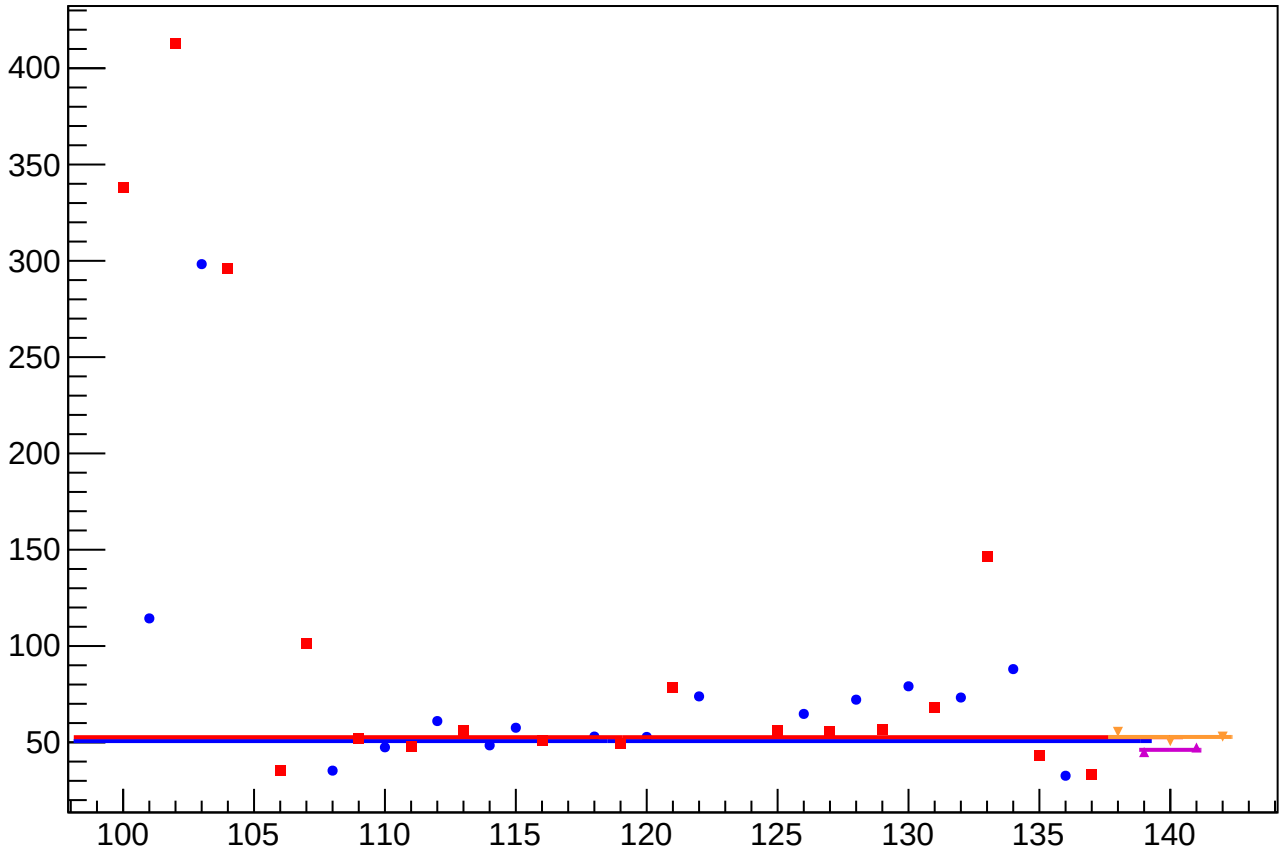
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.014+/-0.038 χ^2/NDF:0.5/1

\+ sign 0.003+/-0.019 χ^2/NDF: 12.9/18

All: 0.011+/-0.014 χ^2/NDF: 29.8/38

\- sign 0.021+/-0.020 χ^2/NDF: 16.5/19



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 52.788+/-0.028 χ^2/NDF:5841.3/2

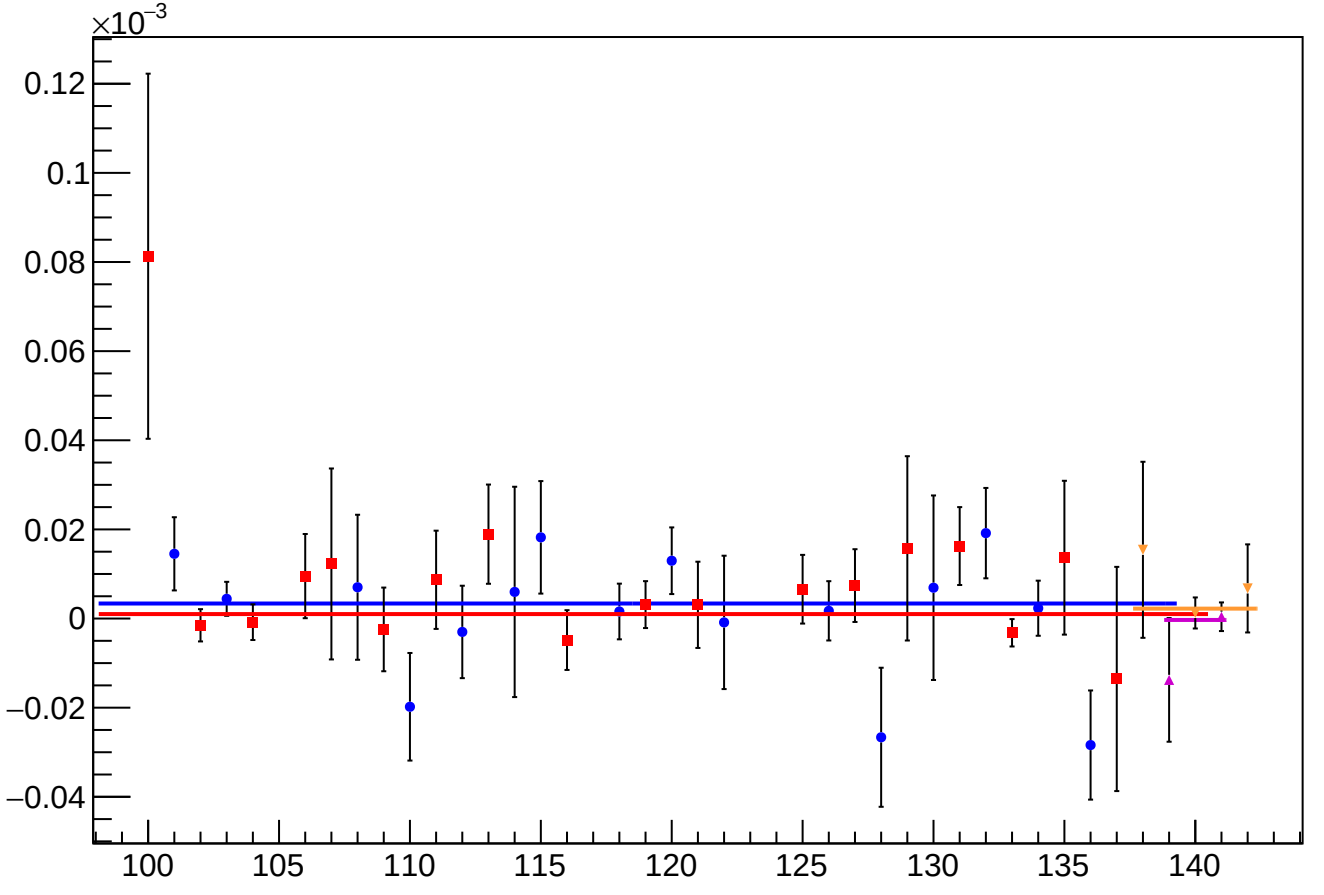
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.099+/-0.027 χ^2/NDF:1954.0/1

+ sign 51.149+/-0.014 χ^2/NDF: 2276802.1/18

All: 51.024+/-0.010 χ^2/NDF: 4534505.1/38

- sign 50.892+/-0.014 χ^2/NDF: 2257527.3/19



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/2

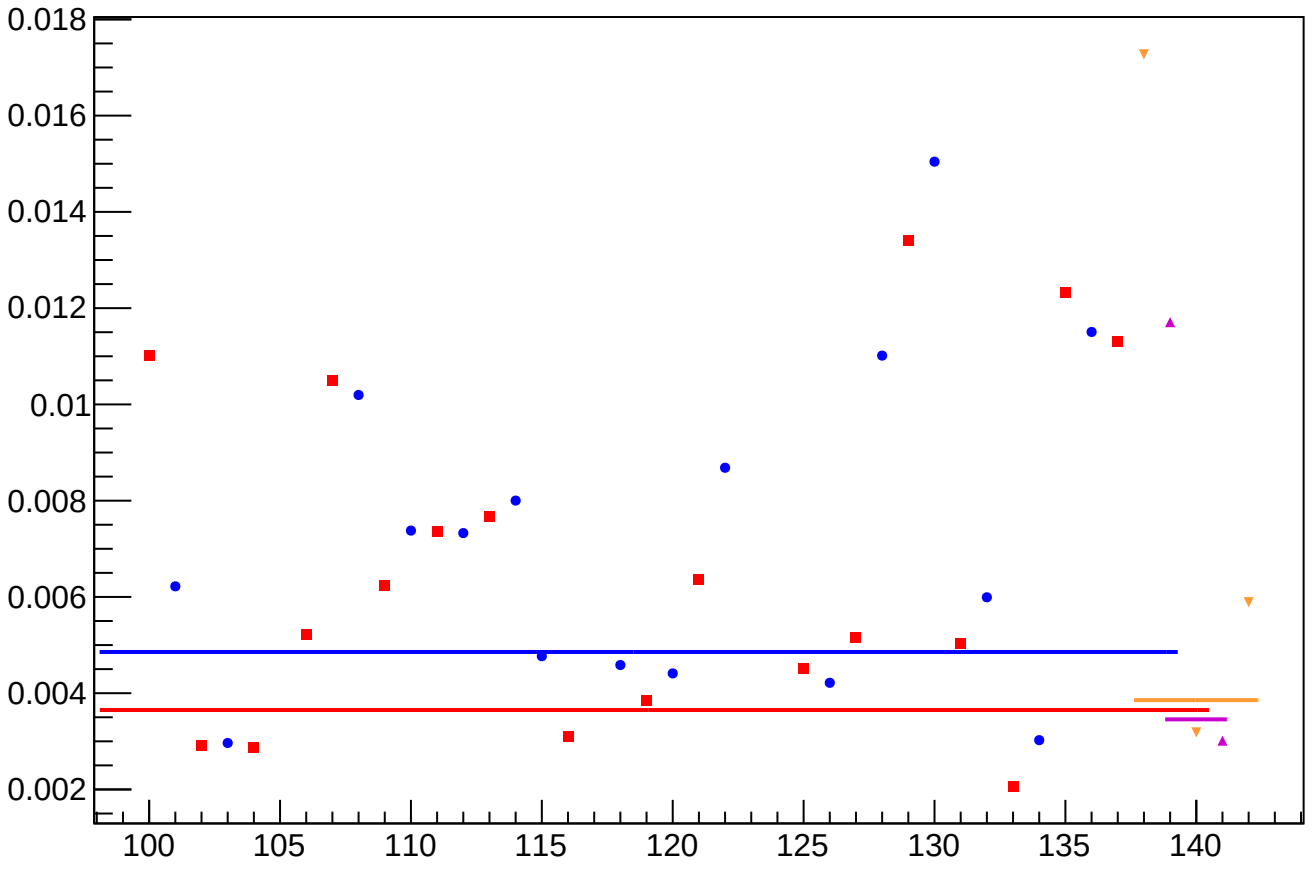
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 23.0/18

All: 0.000+/-0.000 χ^2/NDF: 42.5/38

- sign 0.000+/-0.000 χ^2/NDF: 18.4/19



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1081737.2/2

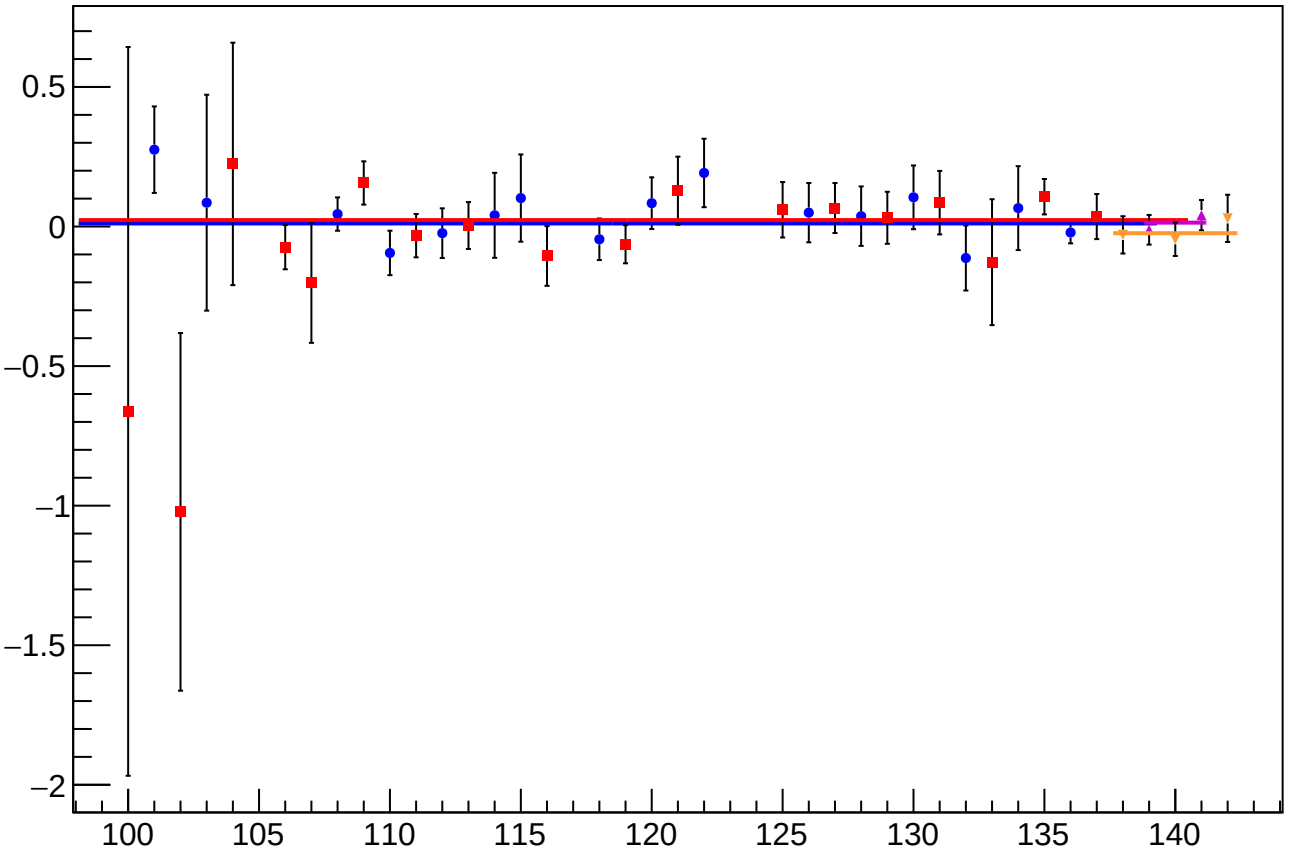
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.003+/-0.000 χ^2/NDF:745481.1/1

+ sign 0.005+/-0.000 χ^2/NDF: 3961846.8/18

All: 0.004+/-0.000 χ^2/NDF: 8183569.2/38

- sign 0.004+/-0.000 χ^2/NDF: 3860473.9/19



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.039 χ^2/NDF:0.5/2

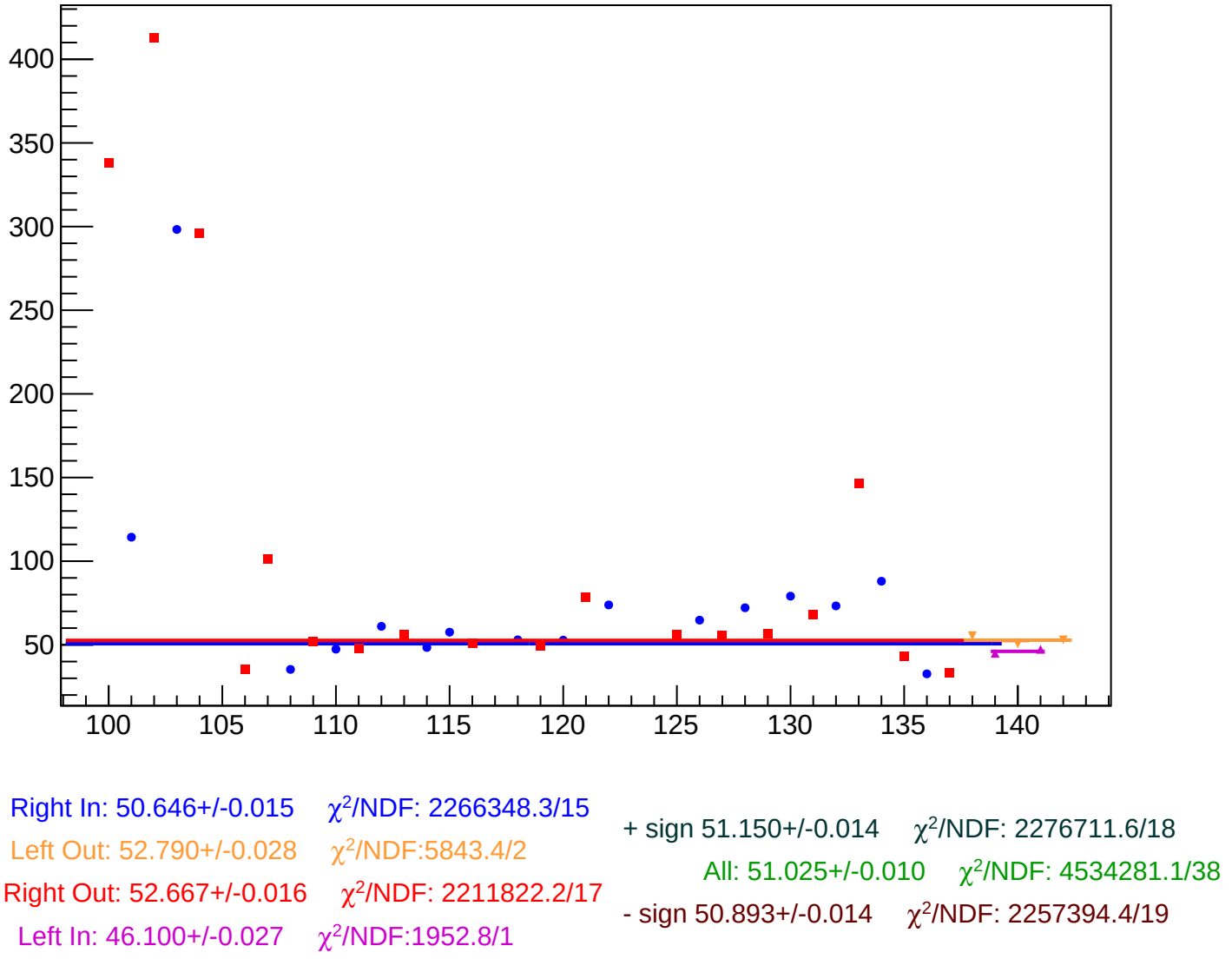
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

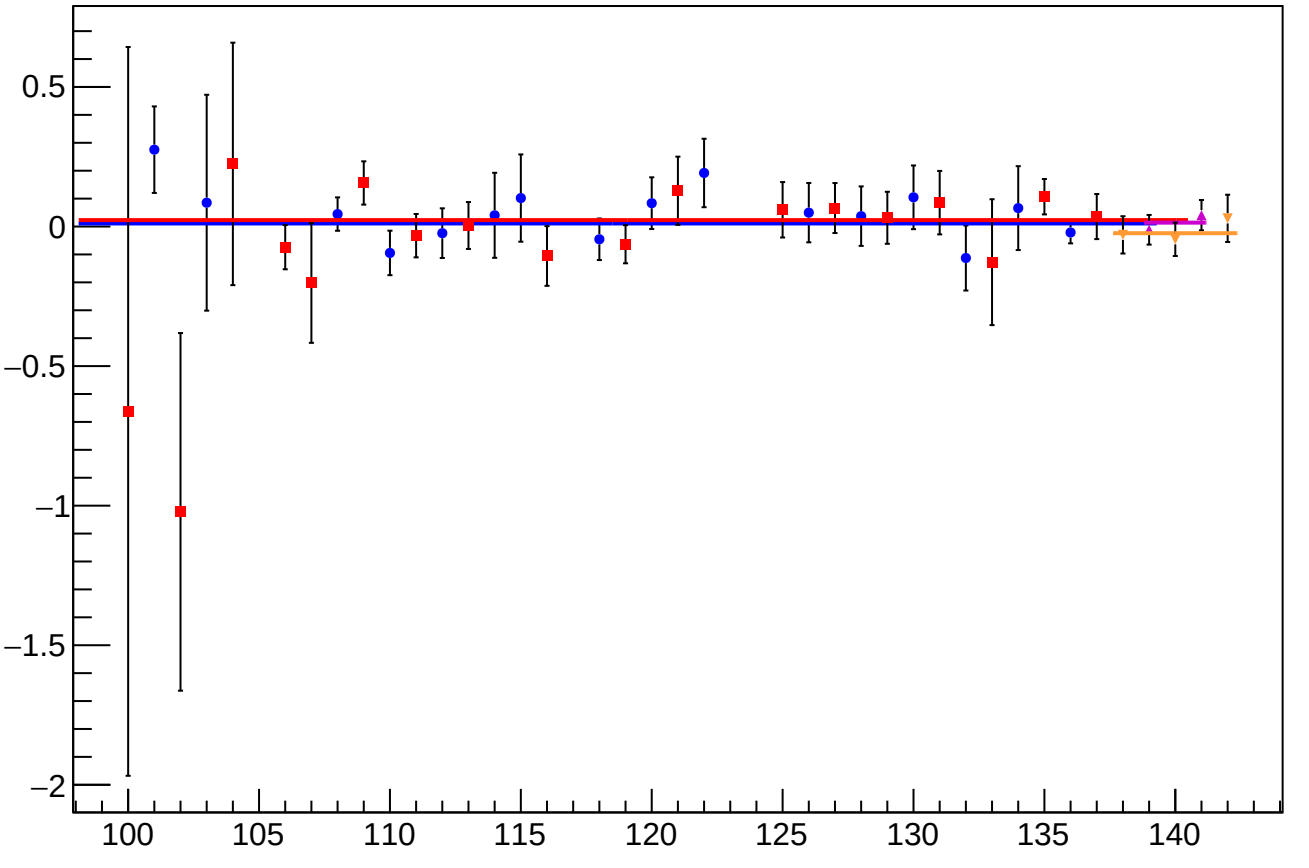
Left In: 0.014+/-0.038 χ^2/NDF:0.5/1

+ sign 0.003+/-0.019 χ^2/NDF: 12.9/18

All: 0.011+/-0.014 χ^2/NDF: 29.8/38

- sign 0.021+/-0.020 χ^2/NDF: 16.5/19


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
105
110
115
120
125
130
135
140
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 52.790+/-0.028 χ²/NDF:5843.4/2
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 46.100+/-0.027 χ²/NDF:1952.8/1
+ sign 51.150+/-0.014 χ²/NDF: 2276711.6/18
All: 51.025+/-0.010 χ²/NDF: 4534281.1/38
- sign 50.893+/-0.014 χ²/NDF: 2257394.4/19



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.039 χ^2/NDF:0.5/2

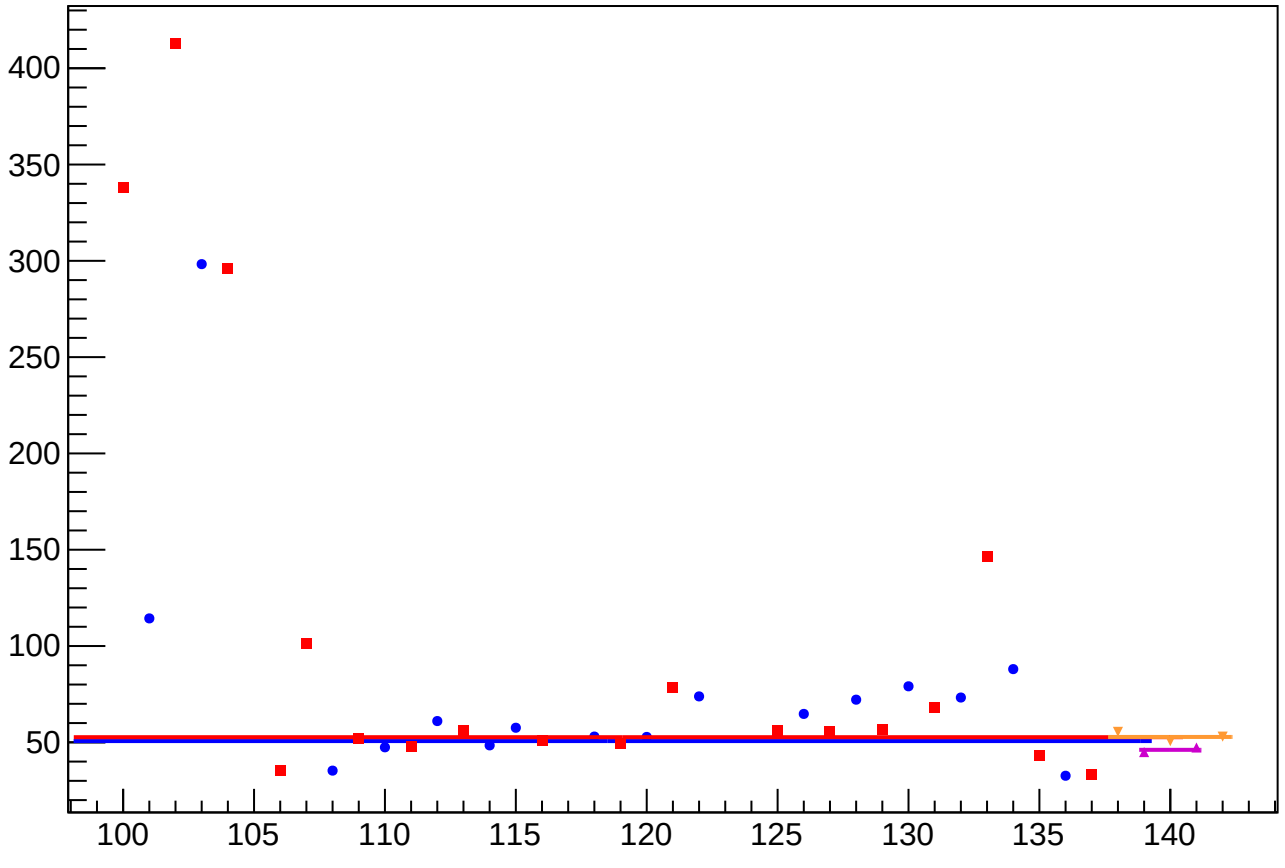
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.014+/-0.038 χ^2/NDF:0.5/1

+ sign 0.003+/-0.019 χ^2/NDF: 12.9/18

All: 0.011+/-0.014 χ^2/NDF: 29.8/38

- sign 0.021+/-0.020 χ^2/NDF: 16.5/19



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 52.790+/-0.028 χ^2/NDF:5843.4/2

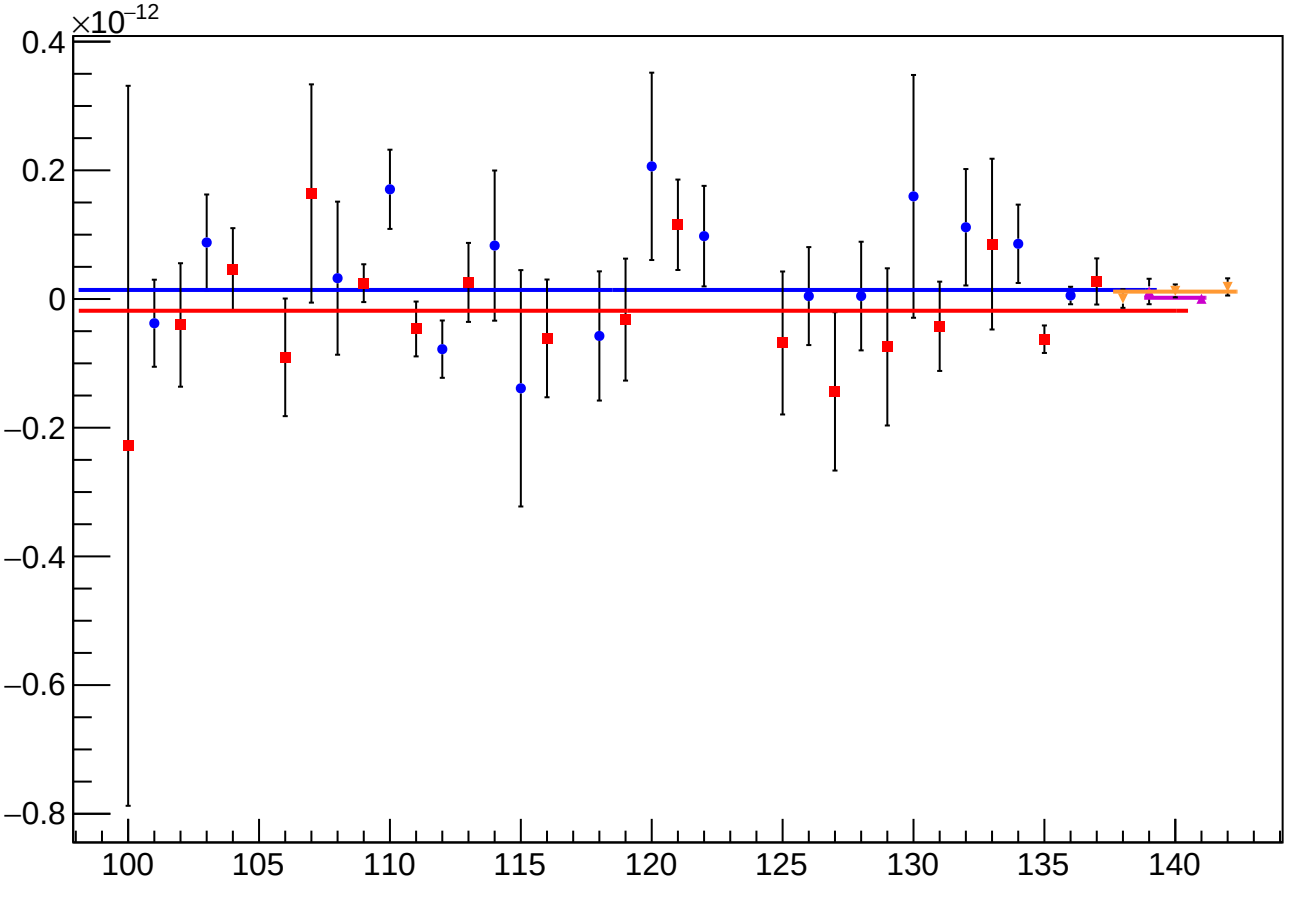
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.100+/-0.027 χ^2/NDF:1952.8/1

+ sign 51.150+/-0.014 χ^2/NDF: 2276711.6/18

All: 51.025+/-0.010 χ^2/NDF: 4534281.1/38

- sign 50.893+/-0.014 χ^2/NDF: 2257394.4/19



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/2

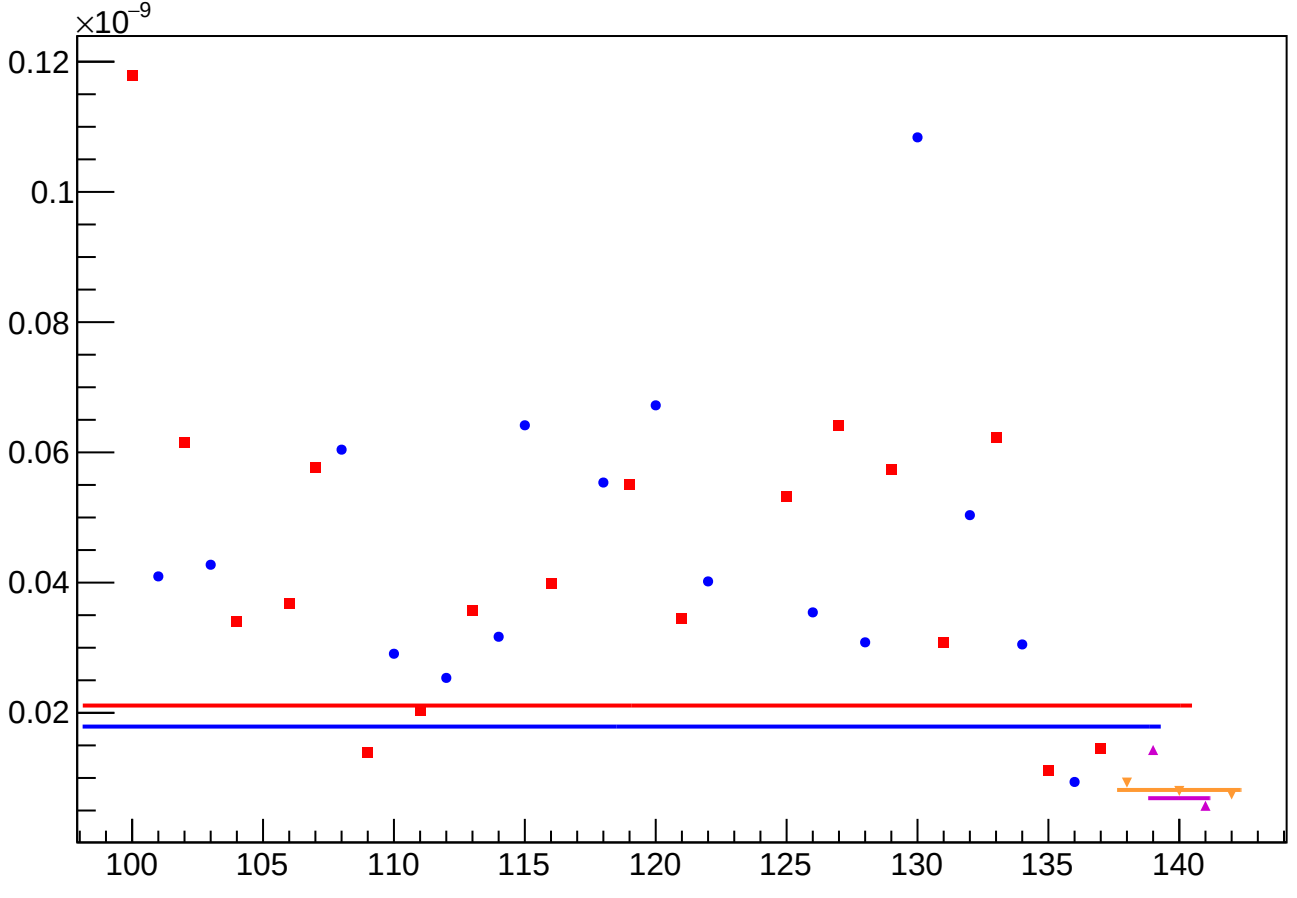
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/18

All: 0.000+/-0.000 χ^2/NDF: 44.6/38

- sign -0.000+/-0.000 χ^2/NDF: 20.2/19



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18066.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

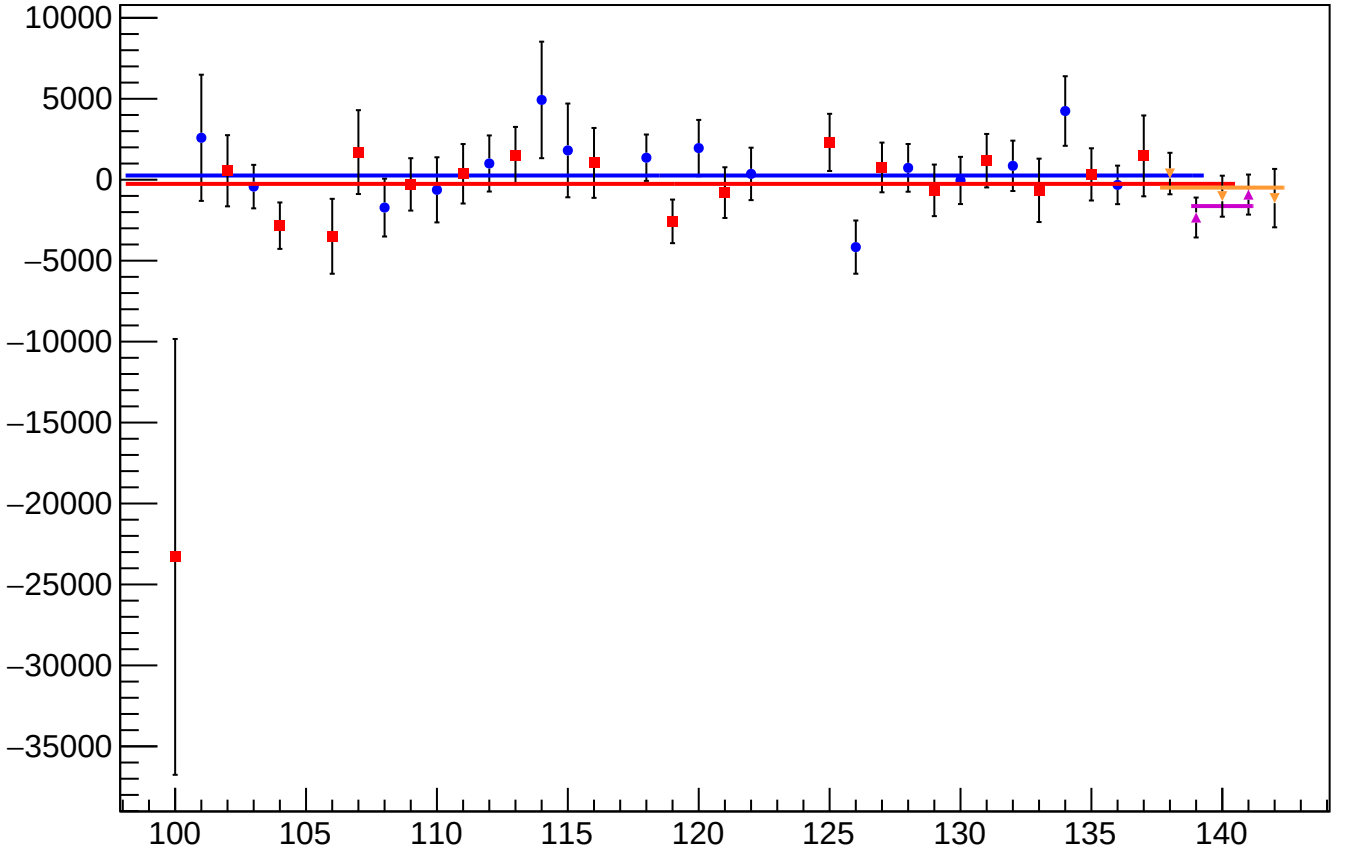
Left In: 0.000+/-0.000 χ^2/NDF:324380.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 4483873.8/18

All: 0.000+/-0.000 χ^2/NDF: 9359448.1/38

- sign 0.000+/-0.000 χ^2/NDF: 4871830.9/19

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -487.016+/-805.918 χ^2/NDF:0.8/2

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

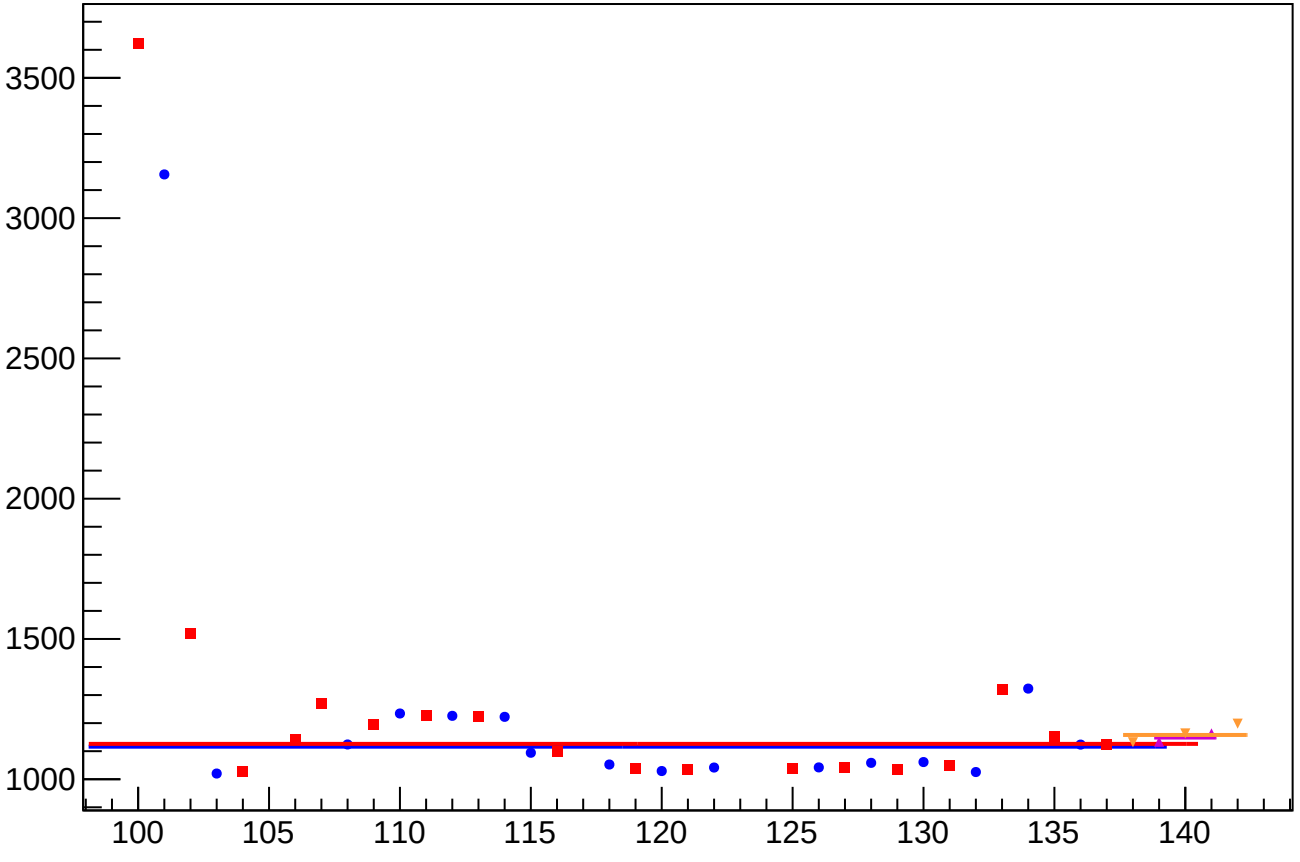
Left In: -1627.616+/-873.084 χ^2/NDF:0.7/1

+ sign 98.288+/-375.692 χ^2/NDF: 18.4/18

All: -204.889+/-268.098 χ^2/NDF: 39.7/38

- sign -519.482+/-382.701 χ^2/NDF: 20.0/19

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1157.811+/-0.570 χ^2/NDF:1856.7/2

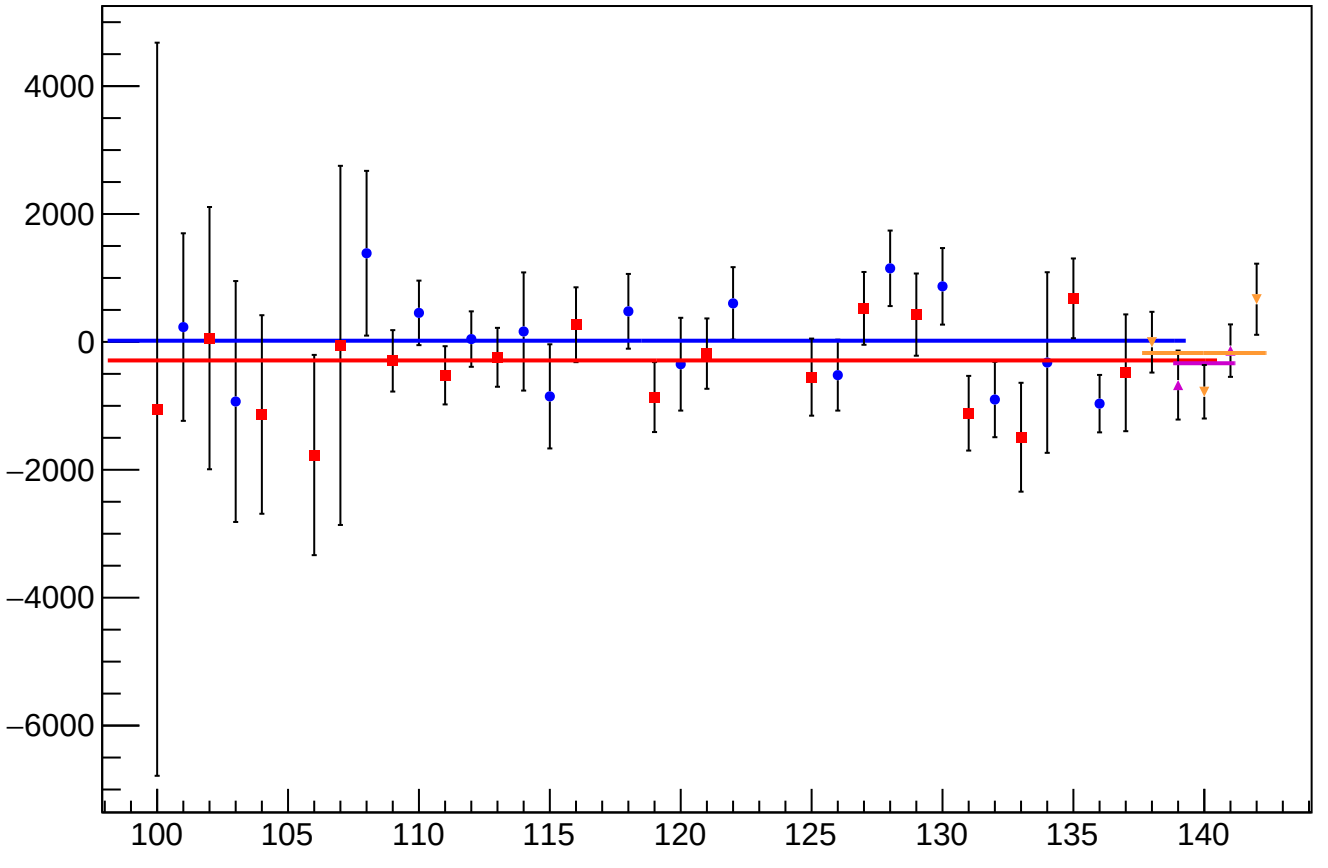
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

\+ sign 1125.156+/-0.266 χ^2/NDF: 629442.8/18

All: 1127.706+/-0.190 χ^2/NDF: 853397.1/38

\- sign 1130.353+/-0.271 χ^2/NDF: 223766.6/19



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -173.471+/-273.399 χ^2/NDF:4.5/2

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

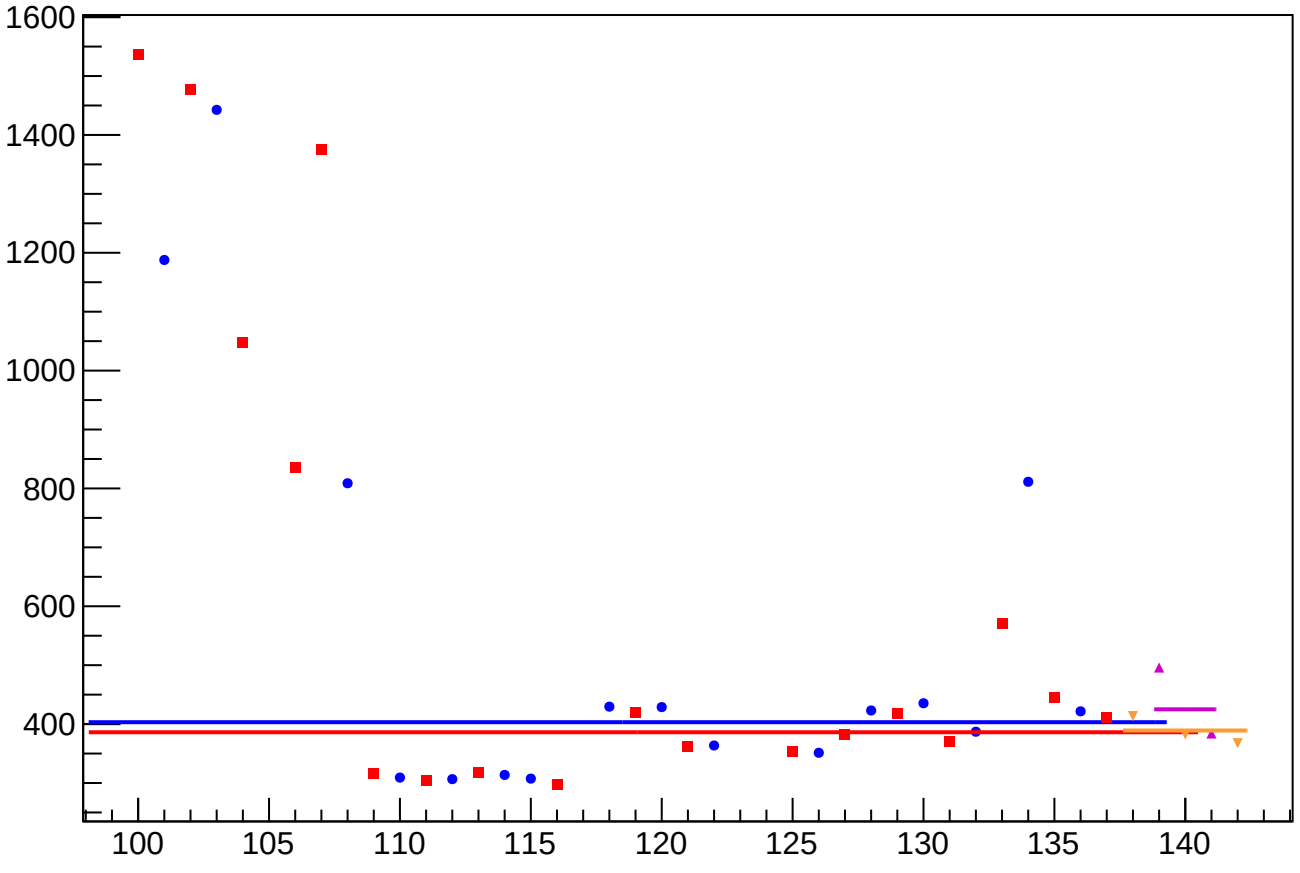
Left In: -333.774+/-326.579 χ^2/NDF:0.6/1

+ sign -31.062+/-138.884 χ^2/NDF: 24.1/18

All: -162.656+/-98.912 χ^2/NDF: 40.0/38

- sign -298.105+/-140.904 χ^2/NDF: 14.1/19

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: 389.109+/-0.193 χ^2/NDF:8834.6/2

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

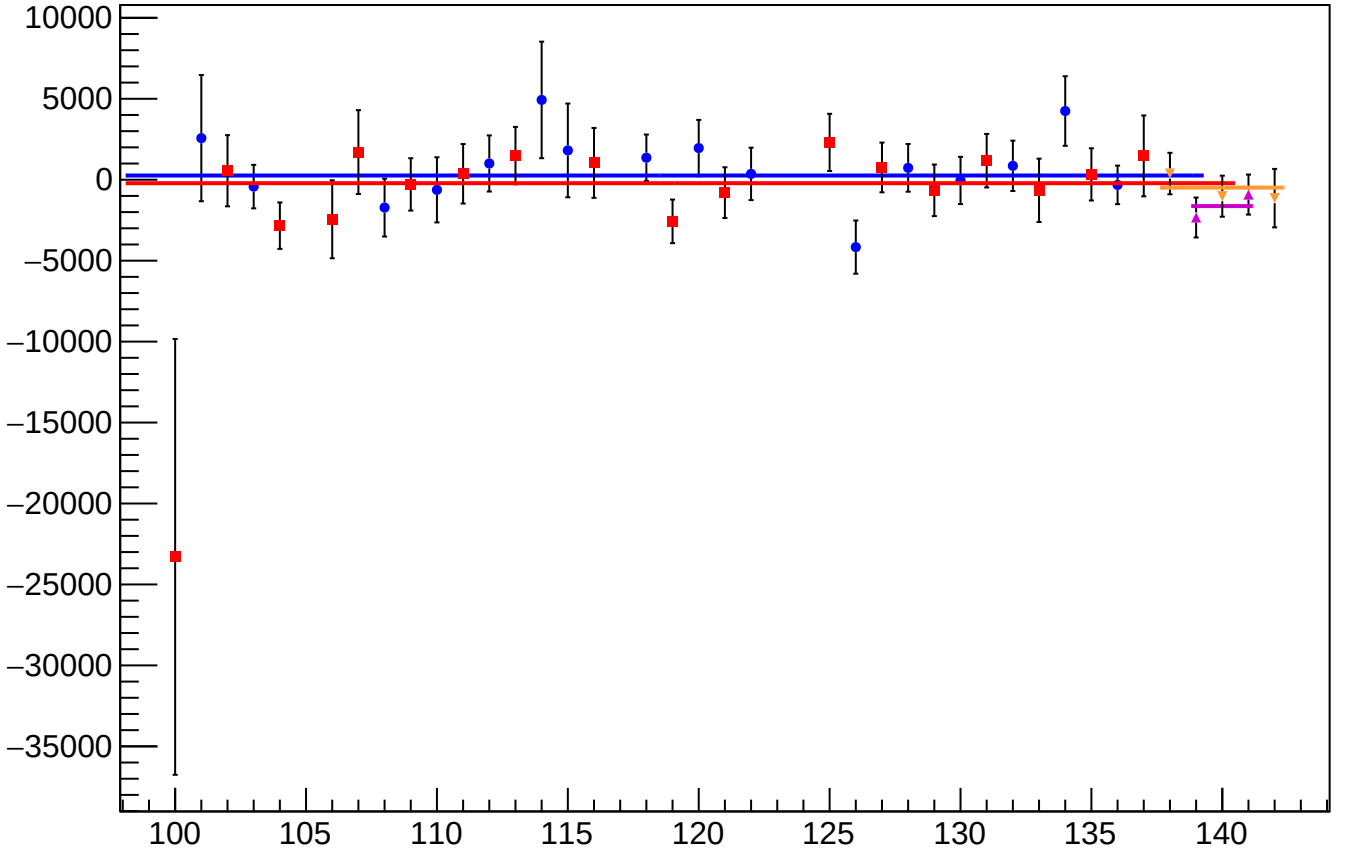
Left In: 425.072+/-0.231 χ^2/NDF:54549.6/1

+ sign 399.559+/-0.098 χ^2/NDF: 1821205.4/18

All: 396.520+/-0.070 χ^2/NDF: 3659936.9/38

- sign 393.392+/-0.100 χ^2/NDF: 1836788.1/19

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -487.125+/-805.918 χ^2/NDF:0.8/2

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

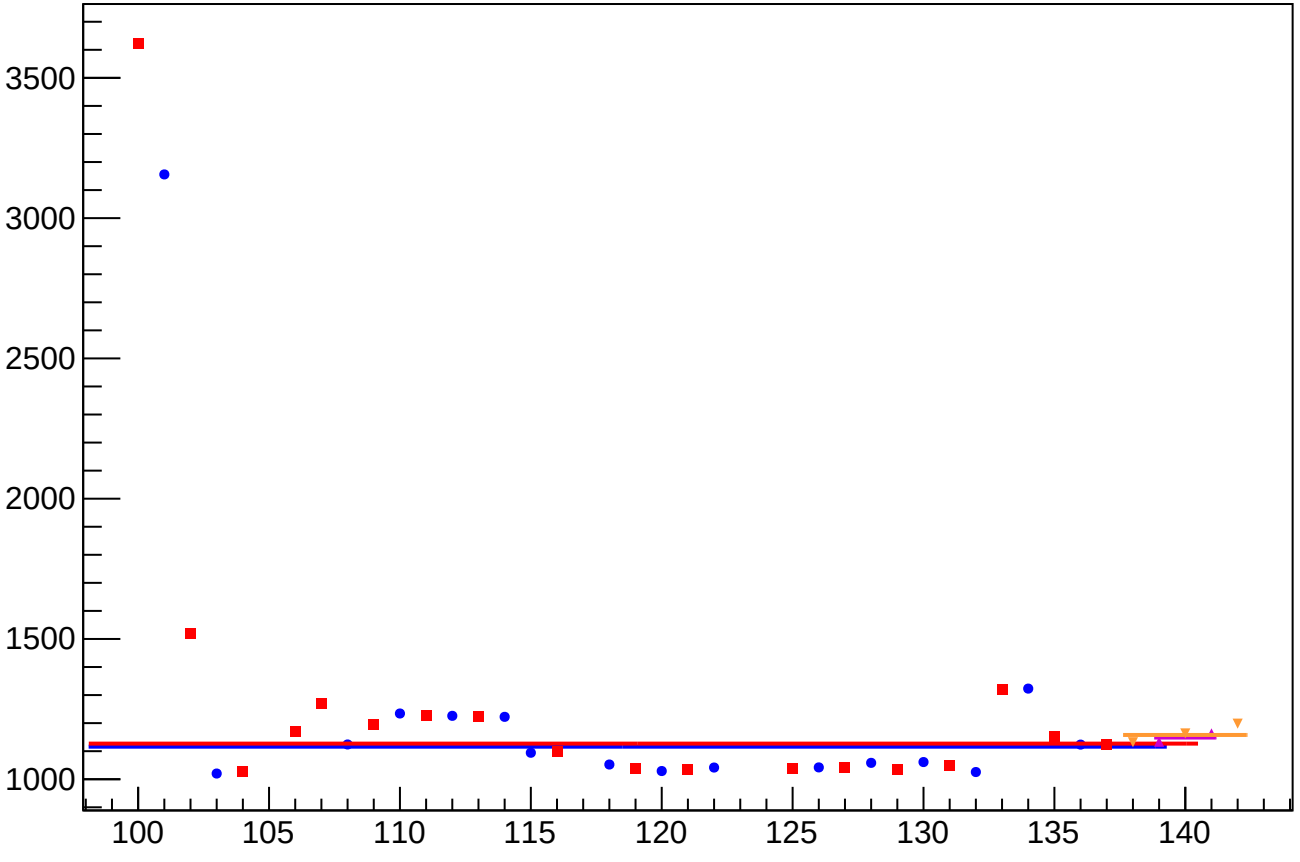
Left In: -1627.654+/-873.084 χ^2/NDF:0.7/1

+ sign 97.966+/-375.693 χ^2/NDF: 18.4/18

All: -188.603+/-268.237 χ^2/NDF: 38.6/38

- sign -486.591+/-383.105 χ^2/NDF: 19.0/19

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1157.811+/-0.570 χ^2/NDF:1856.7/2

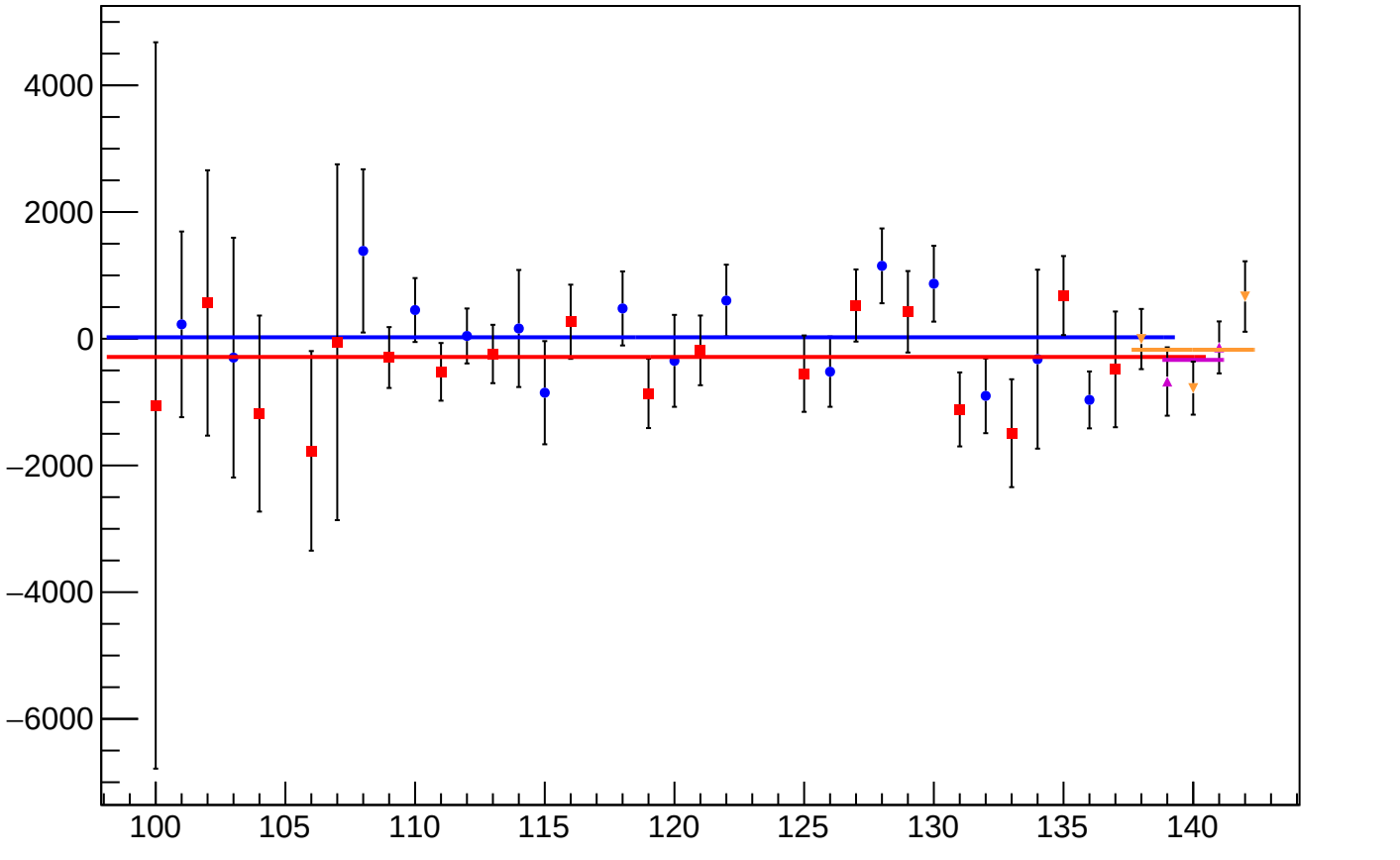
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

+ sign 1125.156+/-0.266 χ^2/NDF: 629443.8/18

All: 1128.082+/-0.190 χ^2/NDF: 854003.1/38

- sign 1131.125+/-0.271 χ^2/NDF: 224311.8/19



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -173.823+/-273.401 χ^2/NDF:4.5/2

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

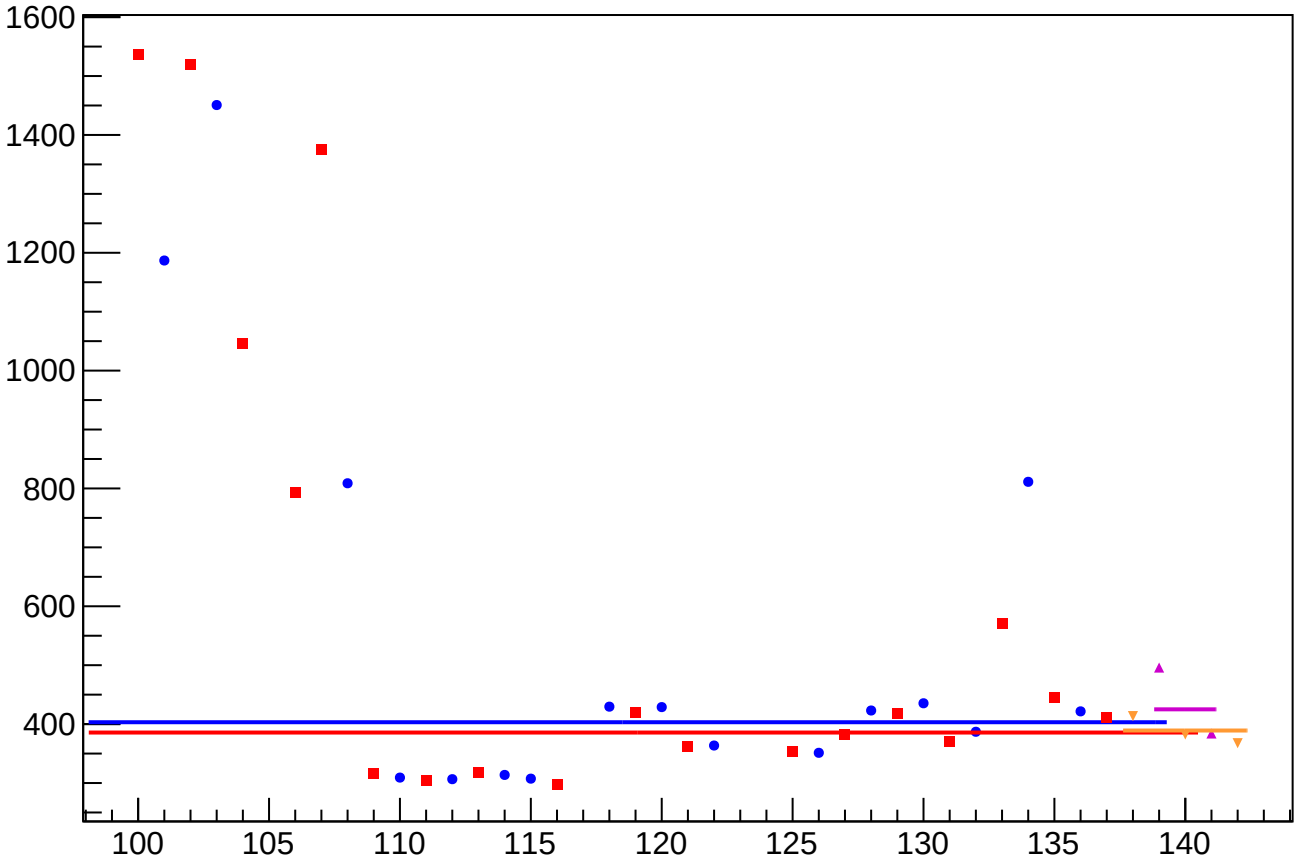
Left In: -334.029+/-326.576 χ^2/NDF:0.6/1

+ sign -27.848+/-138.885 χ^2/NDF: 23.9/18

All: -160.099+/-98.918 χ^2/NDF: 40.0/38

- sign -296.257+/-140.920 χ^2/NDF: 14.3/19

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: 389.112+/-0.193 χ^2/NDF:8826.0/2

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

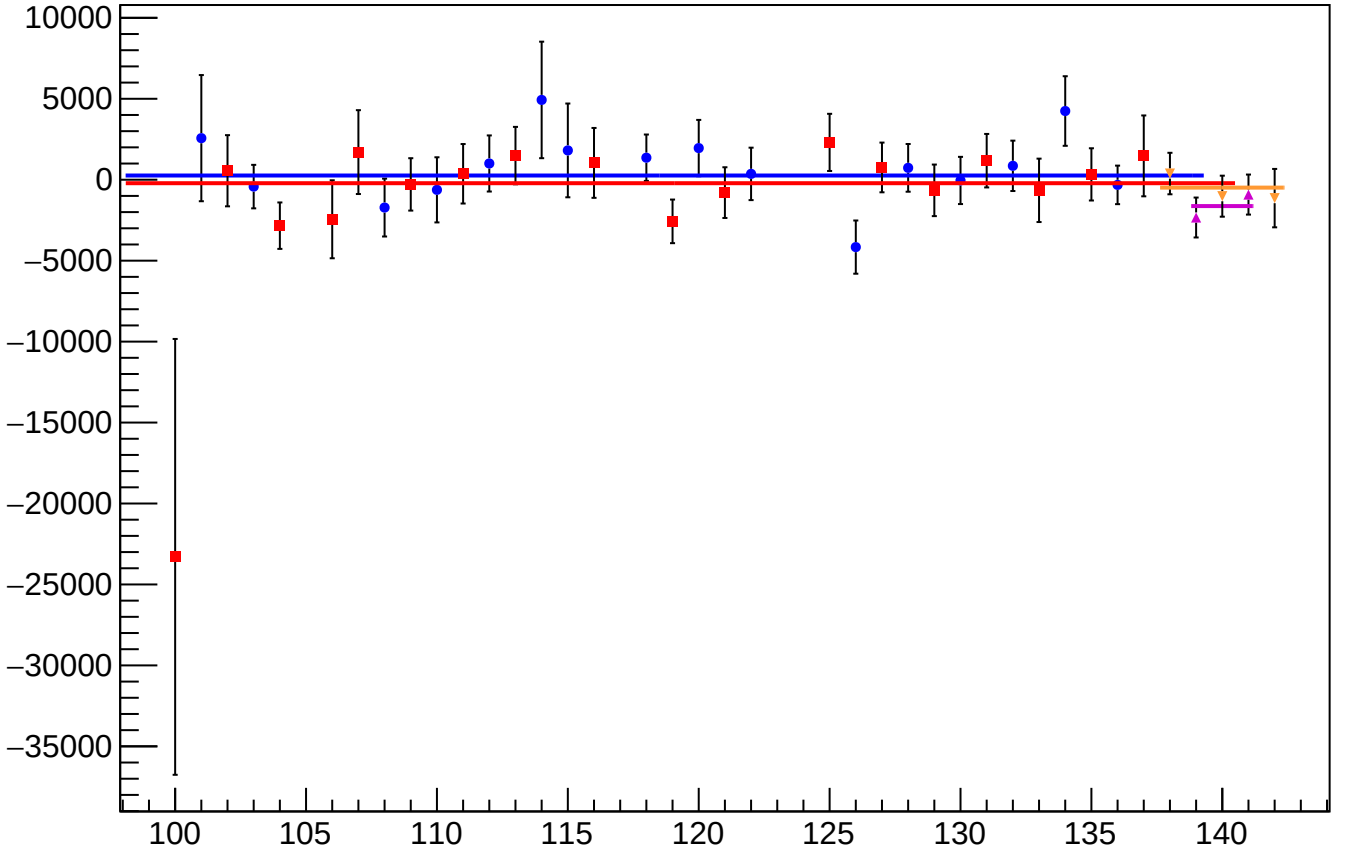
Left In: 425.068+/-0.231 χ^2/NDF:54537.9/1

+ sign 399.551+/-0.098 χ^2/NDF: 1824866.9/18

All: 396.331+/-0.070 χ^2/NDF: 3652413.3/38

- sign 393.015+/-0.100 χ^2/NDF: 1825363.8/19

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: -487.125+/-805.918 χ^2/NDF:0.8/2

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

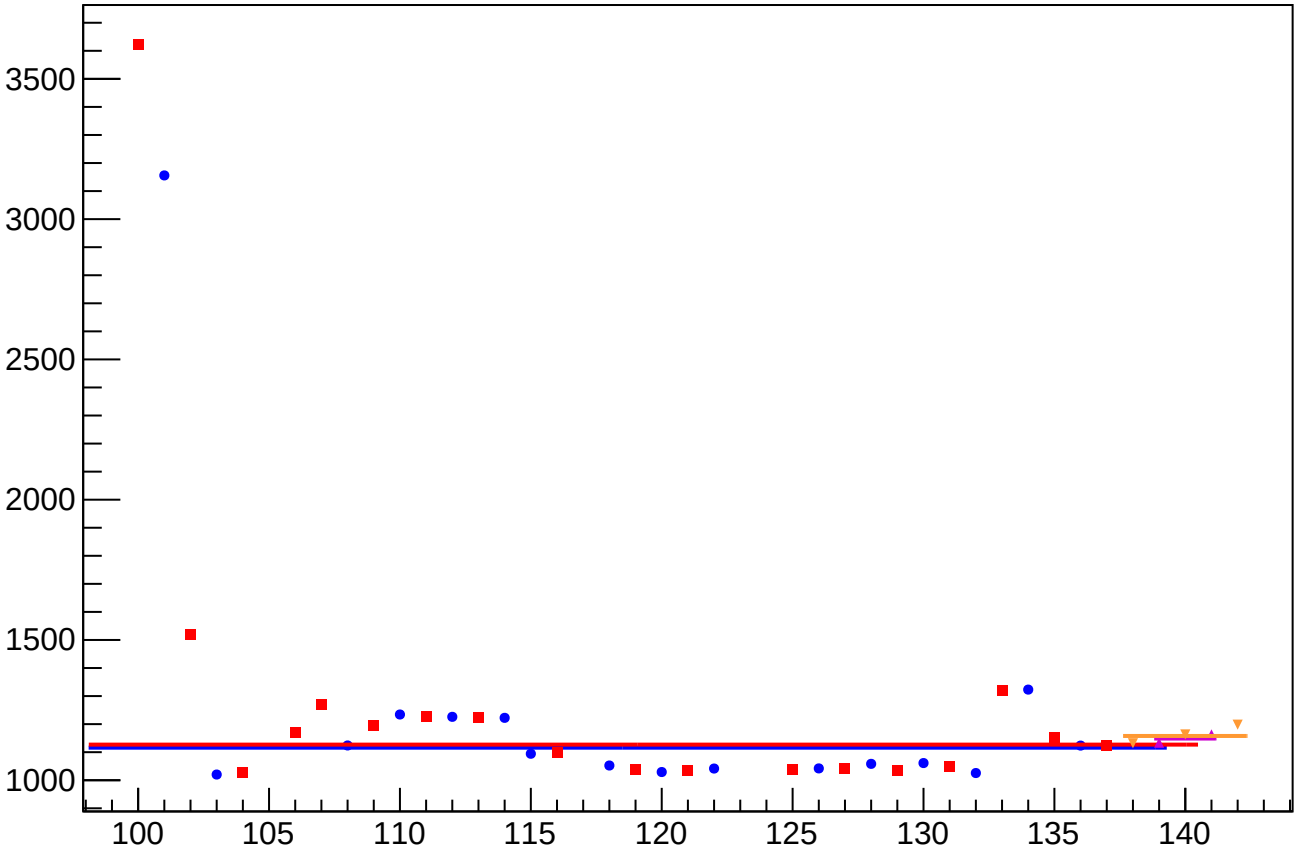
Left In: -1627.654+/-873.084 χ^2/NDF:0.7/1

+ sign 97.966+/-375.693 χ^2/NDF: 18.4/18

All: -188.603+/-268.237 χ^2/NDF: 38.6/38

- sign -486.591+/-383.105 χ^2/NDF: 19.0/19

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: 1157.811+/-0.570 χ^2/NDF:1856.7/2

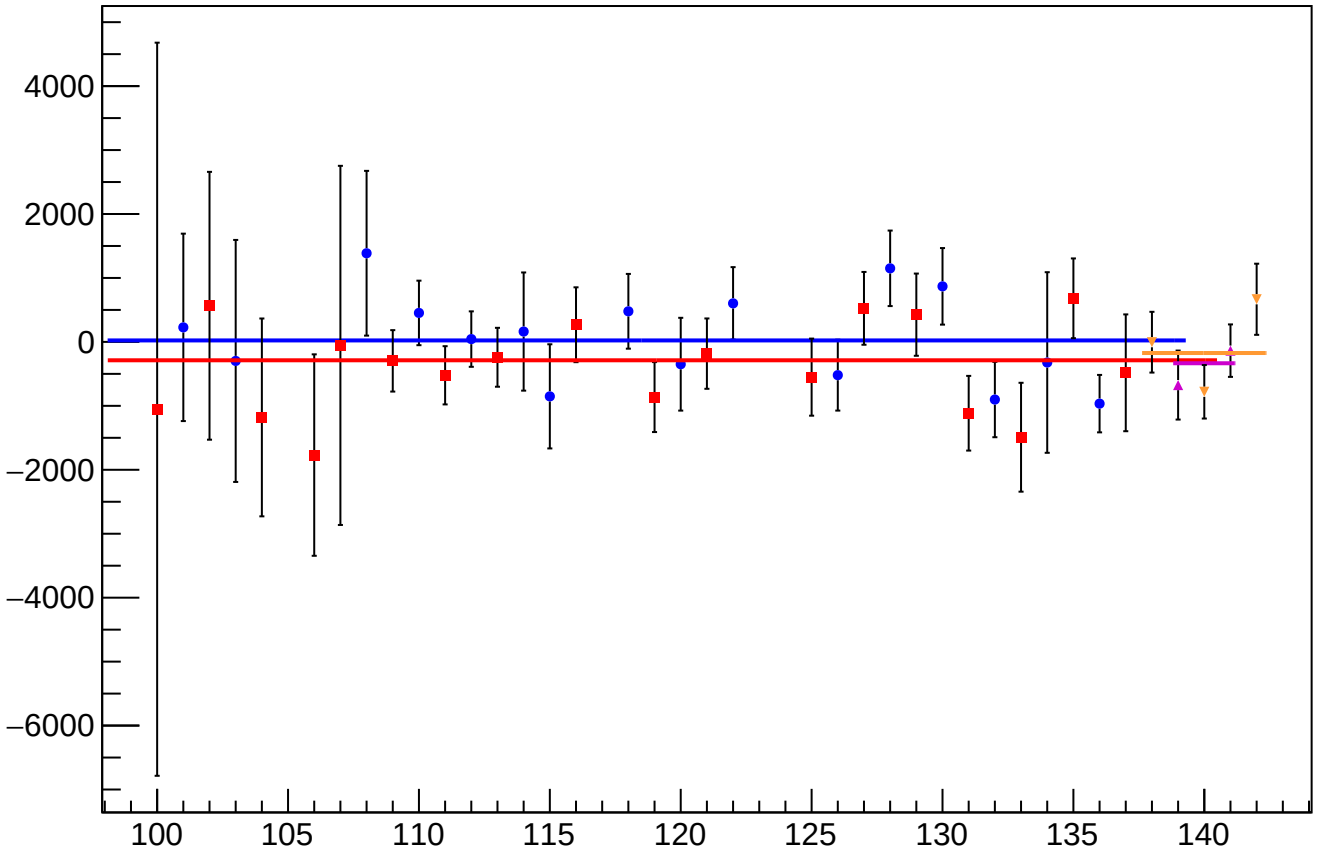
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

+ sign 1125.156+/-0.266 χ^2/NDF: 629443.8/18

All: 1128.082+/-0.190 χ^2/NDF: 854003.1/38

- sign 1131.125+/-0.271 χ^2/NDF: 224311.8/19



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -173.823+/-273.401 χ^2/NDF:4.5/2

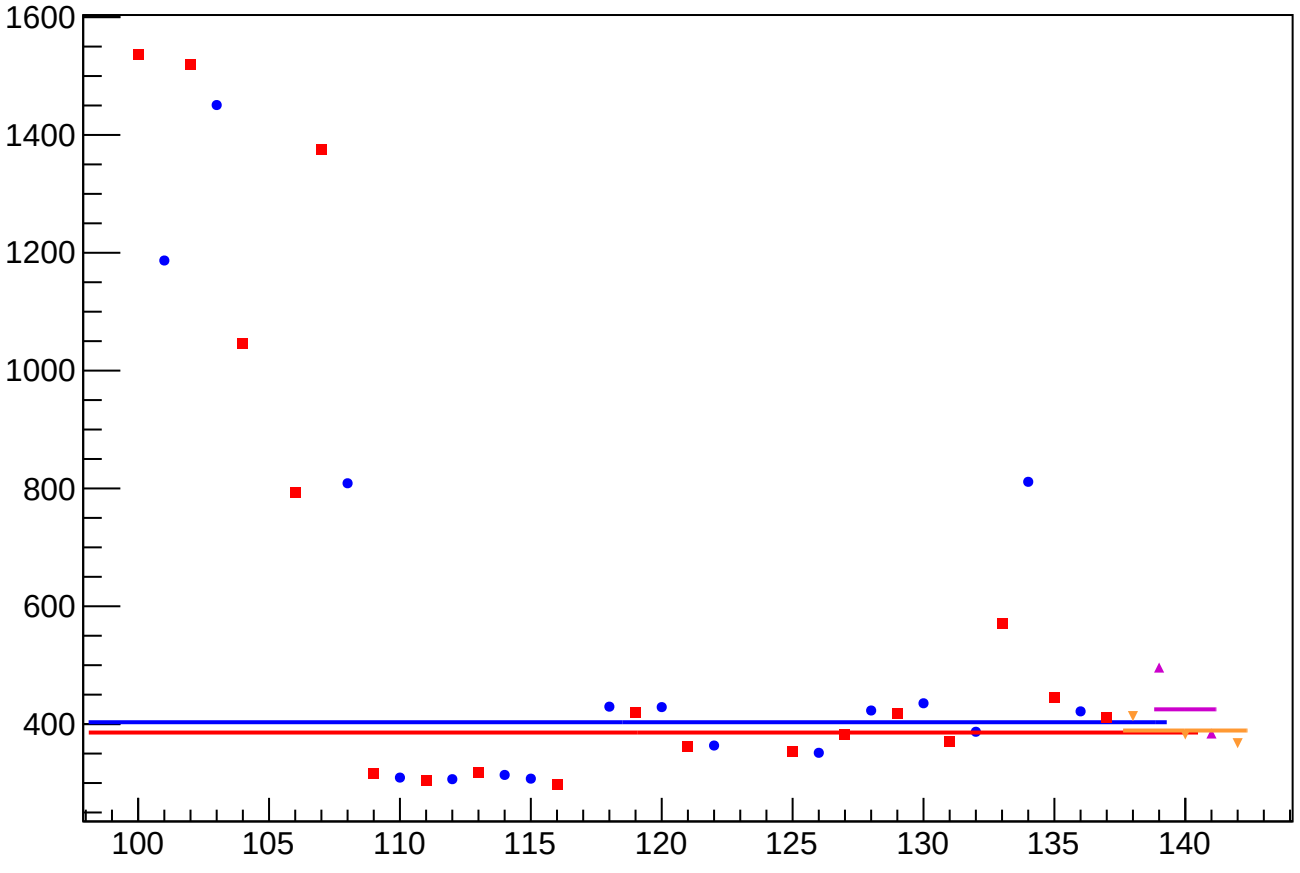
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -334.029+/-326.576 χ^2/NDF:0.6/1

\+ sign -27.848+/-138.885 χ^2/NDF: 23.9/18

All: -160.099+/-98.918 χ^2/NDF: 40.0/38

\- sign -296.257+/-140.920 χ^2/NDF: 14.3/19



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 389.112+/-0.193 χ^2/NDF:8826.0/2

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

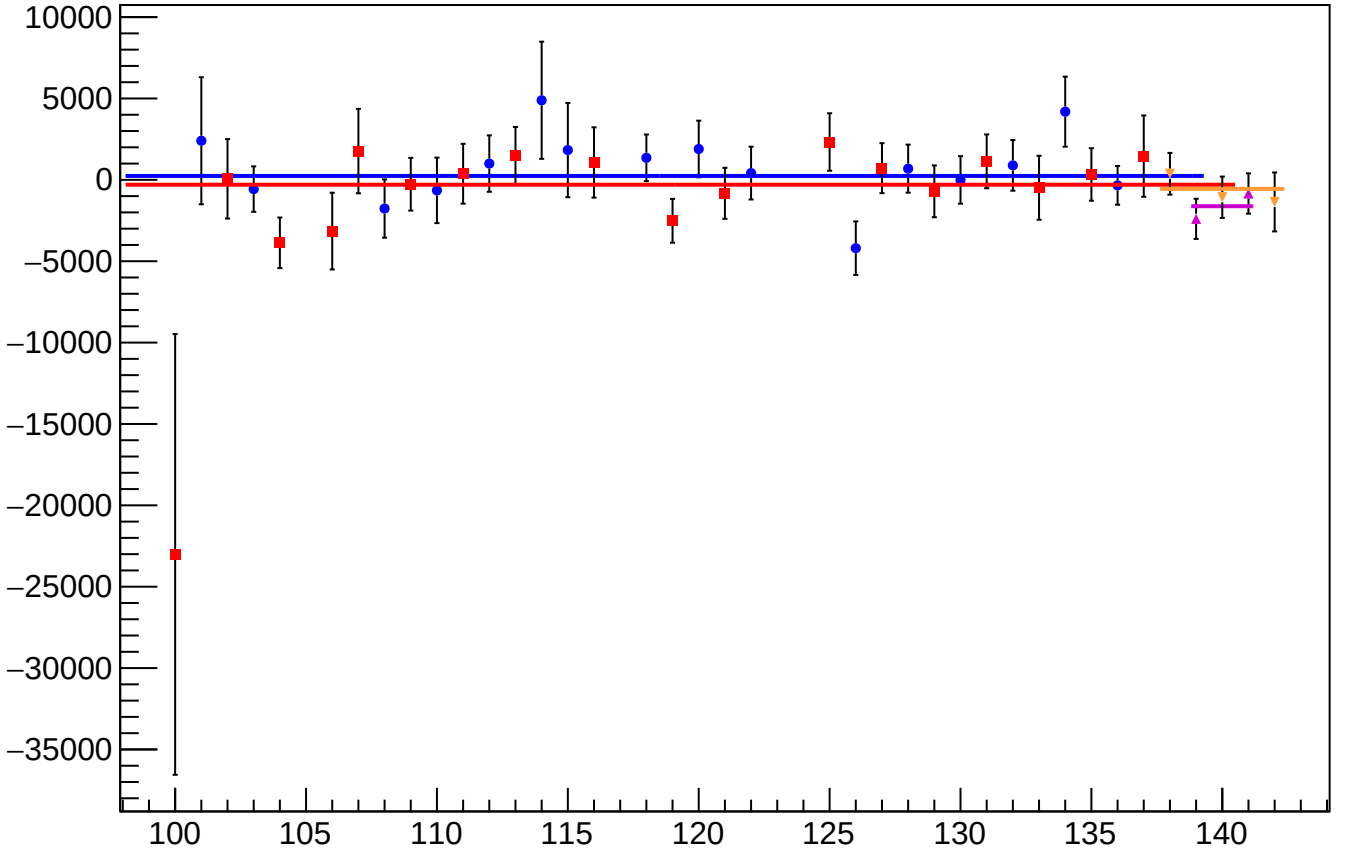
Left In: 425.068+/-0.231 χ^2/NDF:54537.9/1

+ sign 399.551+/-0.098 χ^2/NDF: 1824866.9/18

All: 396.331+/-0.070 χ^2/NDF: 3652413.3/38

- sign 393.015+/-0.100 χ^2/NDF: 1825363.8/19

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -554.322+/-807.192 χ^2/NDF:0.9/2

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

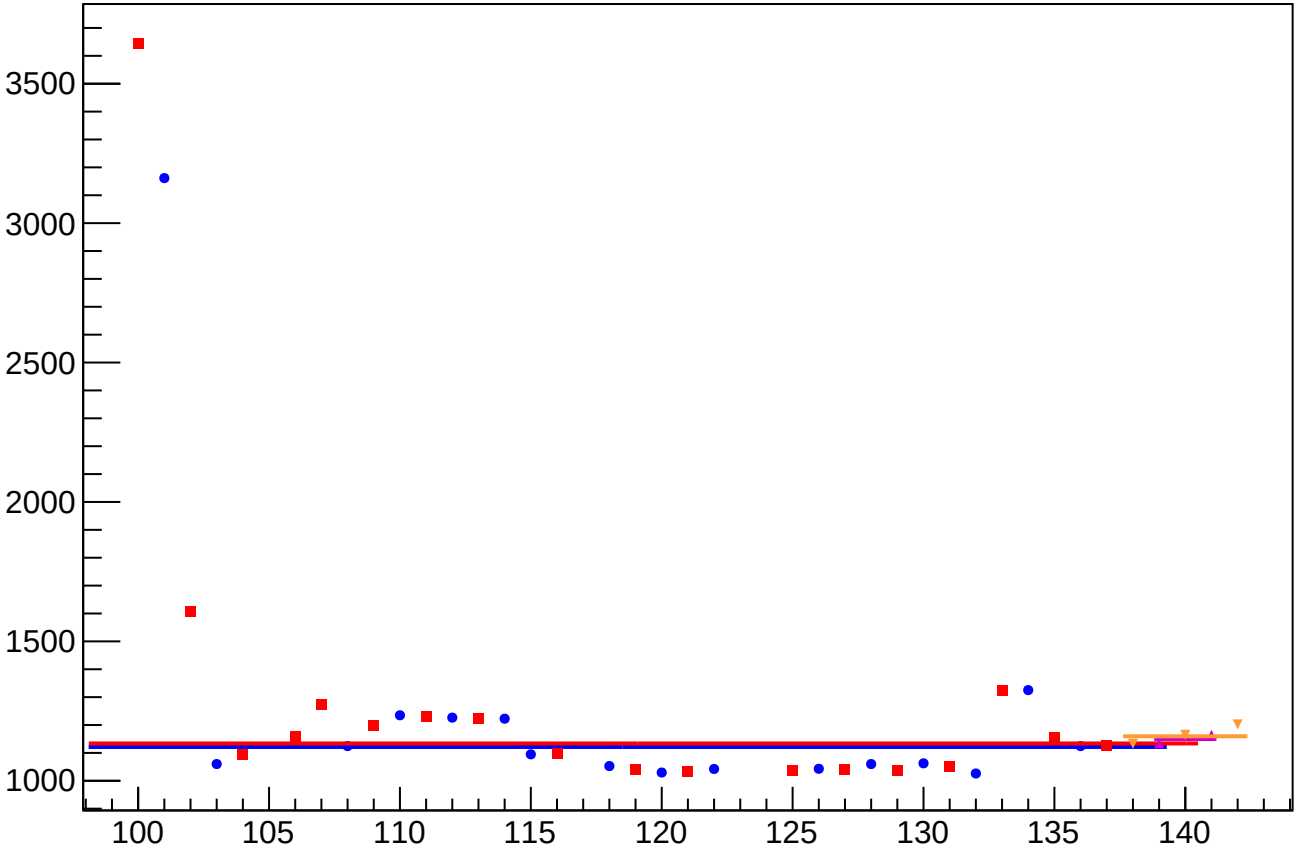
Left In: -1619.417+/-873.939 χ^2/NDF:0.8/1

+ sign 67.228+/-377.161 χ^2/NDF: 18.6/18

All: -237.365+/-269.893 χ^2/NDF: 41.2/38

- sign -557.031+/-386.380 χ^2/NDF: 21.3/19

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1159.588+/-0.571 χ^2/NDF:2005.2/2

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

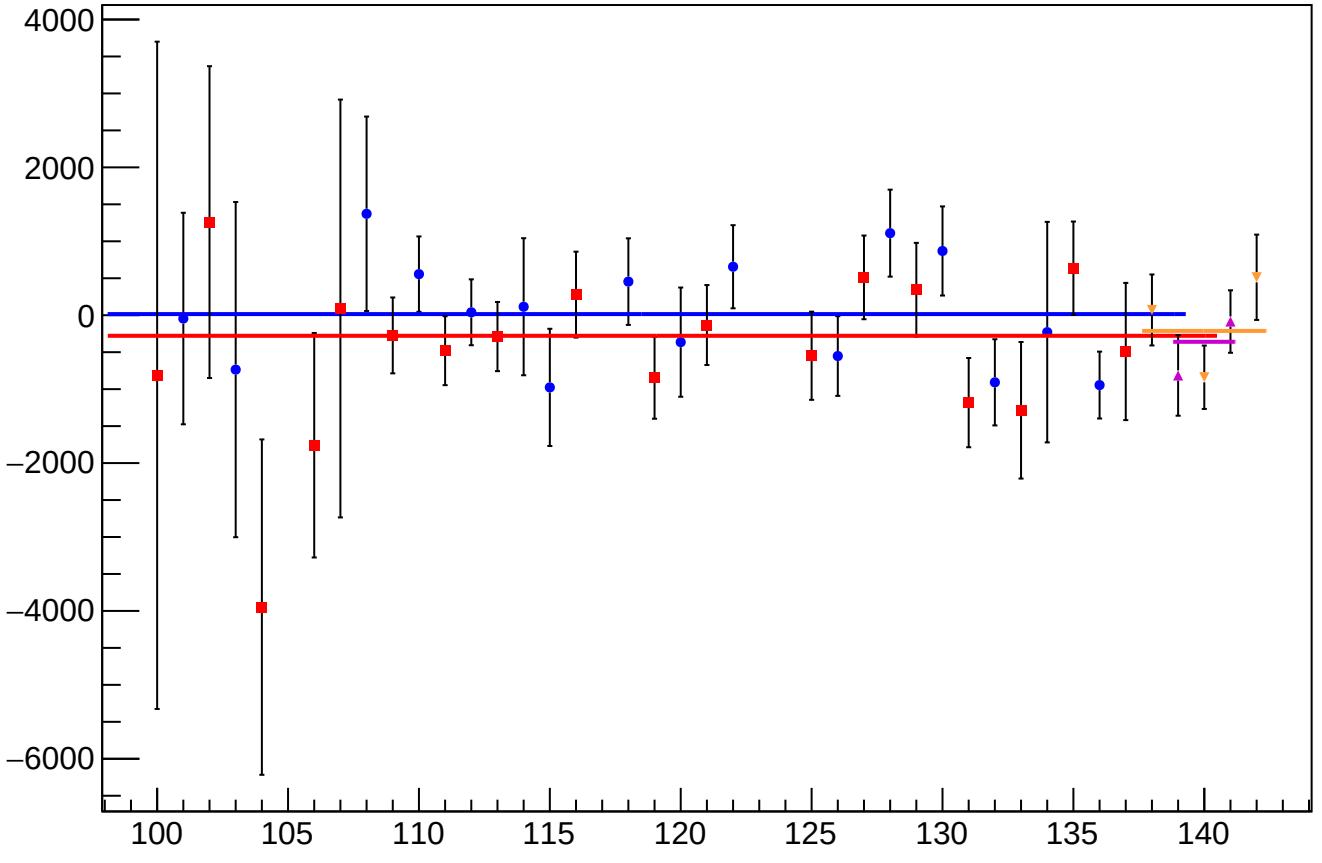
Left In: 1149.689+/-0.618 χ^2/NDF:588.8/1

\+ sign 1129.654+/-0.267 χ^2/NDF: 622552.1/18

All: 1133.243+/-0.191 χ^2/NDF: 851492.4/38

\- sign 1137.010+/-0.273 χ^2/NDF: 228569.2/19

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: -212.186+/-279.772 χ^2/NDF:4.1/2

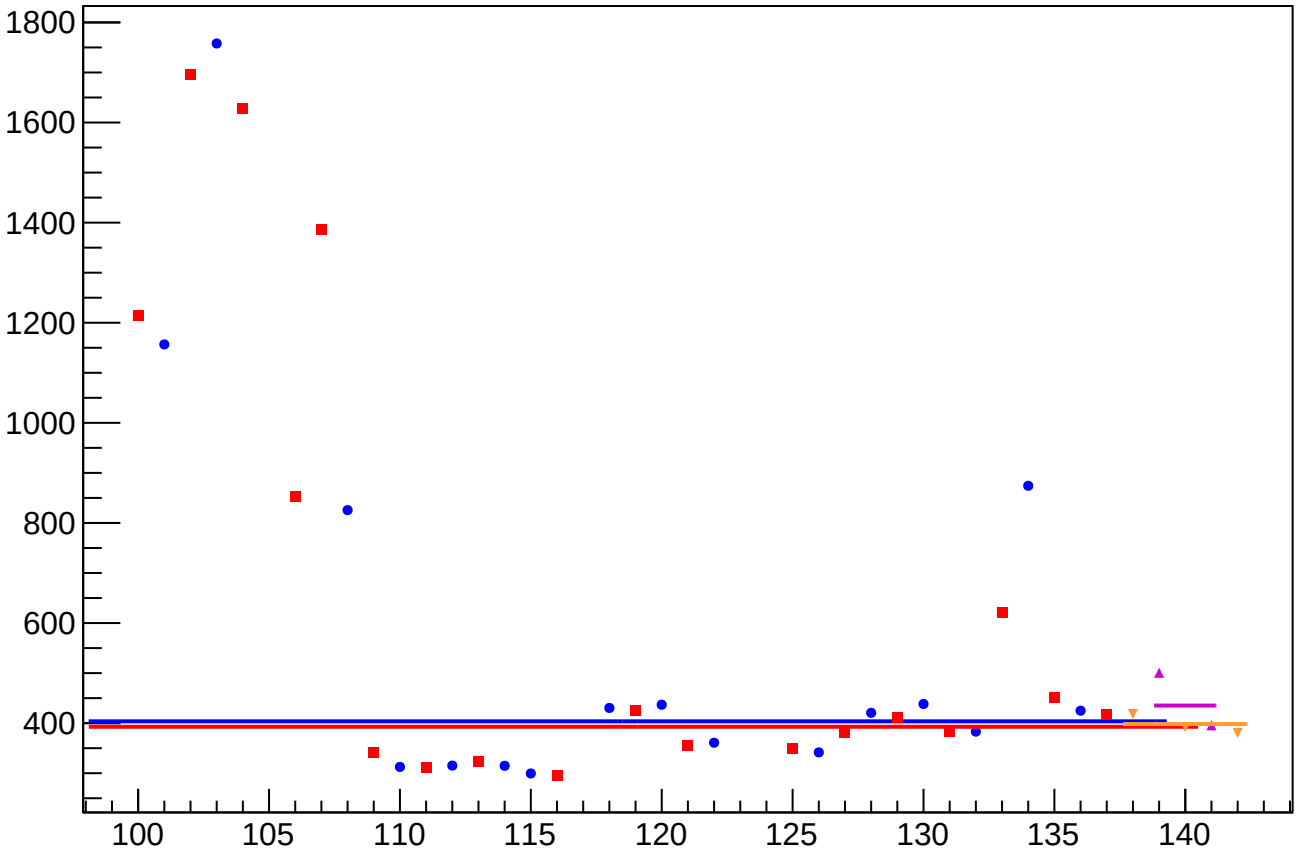
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -359.433+/-333.826 χ^2/NDF:1.1/1

\+ sign -41.746+/-140.093 χ^2/NDF: 24.2/18

All: -164.539+/-100.217 χ^2/NDF: 42.0/38

\- sign -293.236+/-143.422 χ^2/NDF: 16.2/19



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 398.204+/-0.198 χ^2/NDF:5782.5/2

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

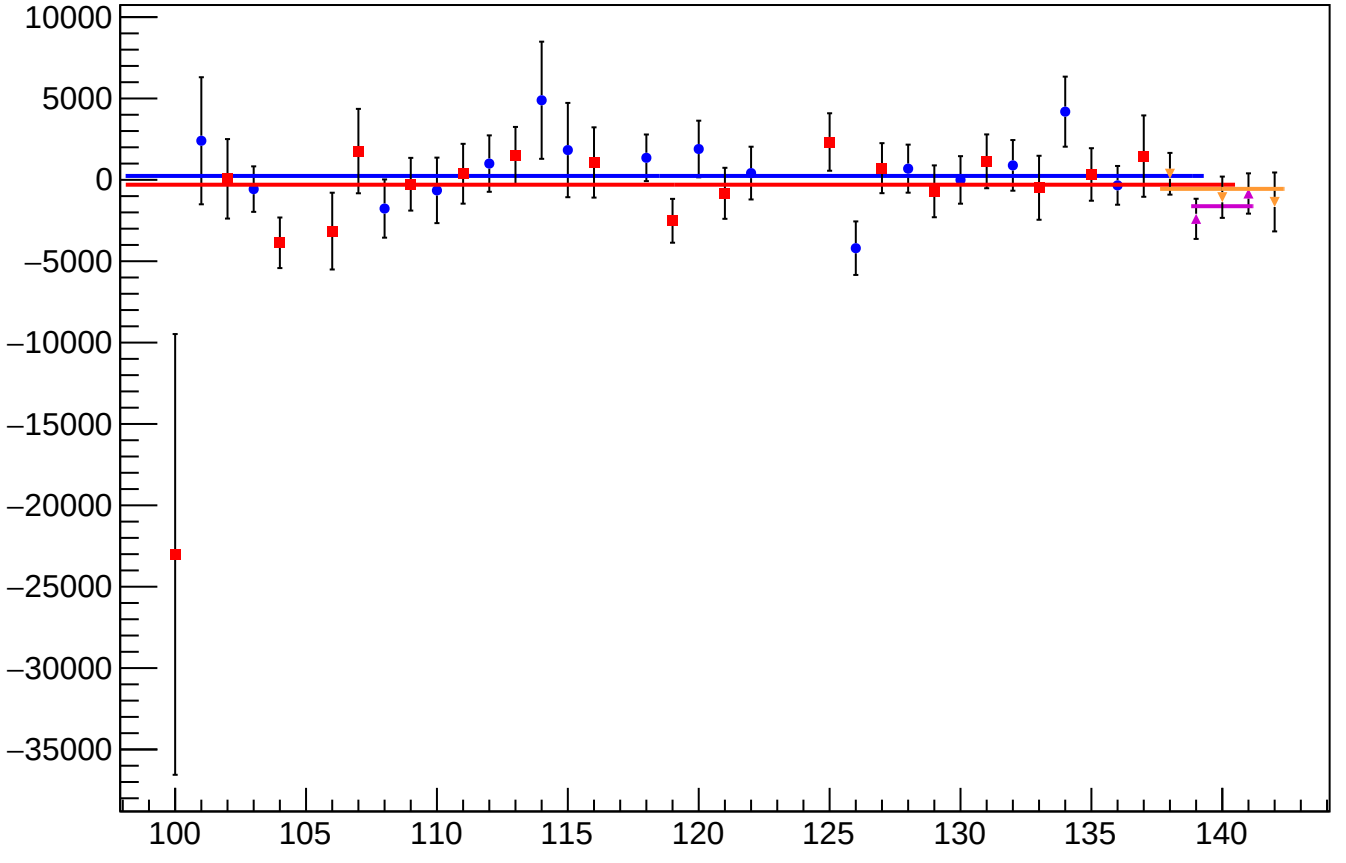
Left In: 435.151+/-0.236 χ^2/NDF:46374.0/1

+ sign 402.289+/-0.099 χ^2/NDF: 1935949.0/18

All: 401.481+/-0.071 χ^2/NDF: 4212138.0/38

- sign 400.634+/-0.101 χ^2/NDF: 2276052.8/19

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: -554.328+/-807.192 χ^2/NDF:0.9/2

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

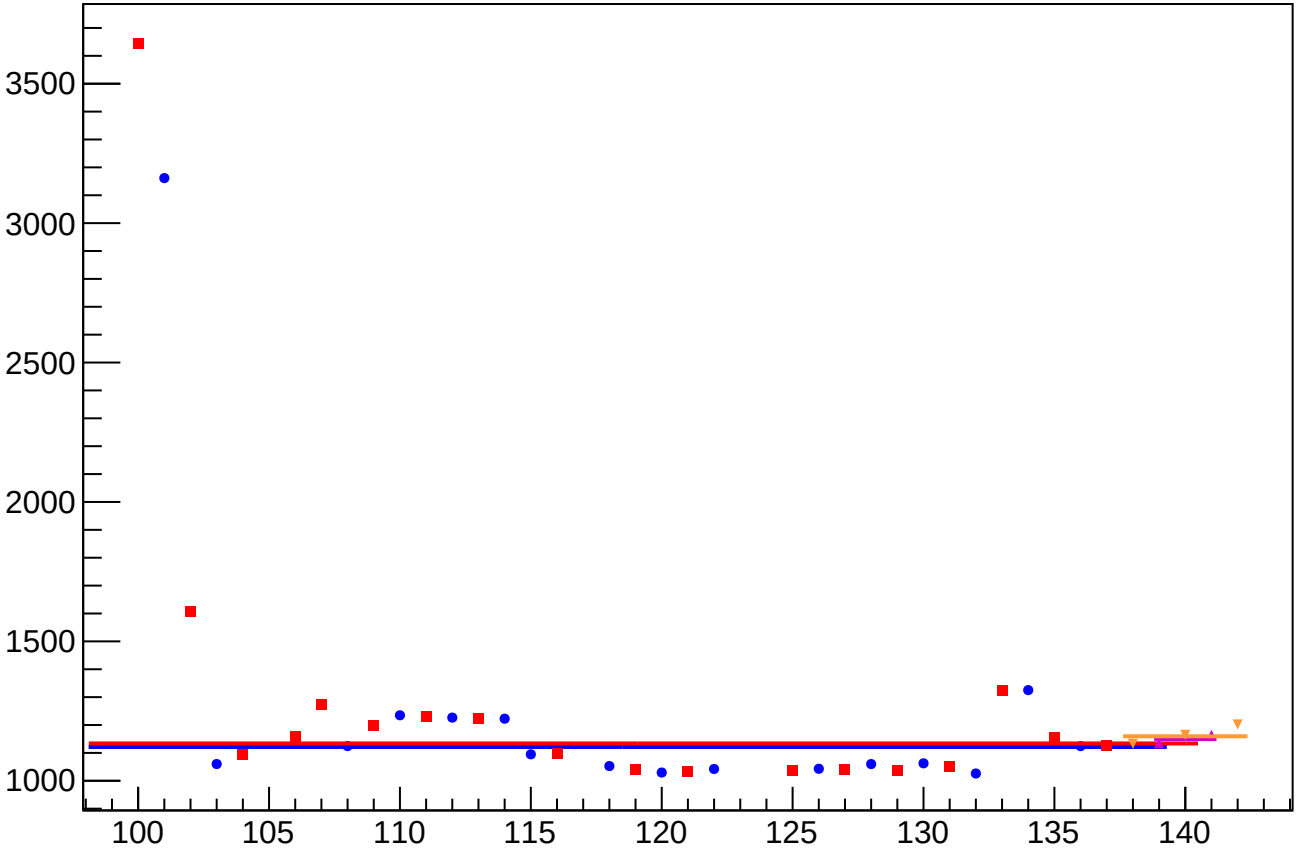
Left In: -1619.412+/-873.939 χ^2/NDF:0.8/1

+ sign 67.228+/-377.161 χ^2/NDF: 18.6/18

All: -237.365+/-269.893 χ^2/NDF: 41.2/38

- sign -557.031+/-386.380 χ^2/NDF: 21.3/19

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: 1159.588+/-0.571 χ^2/NDF:2005.2/2

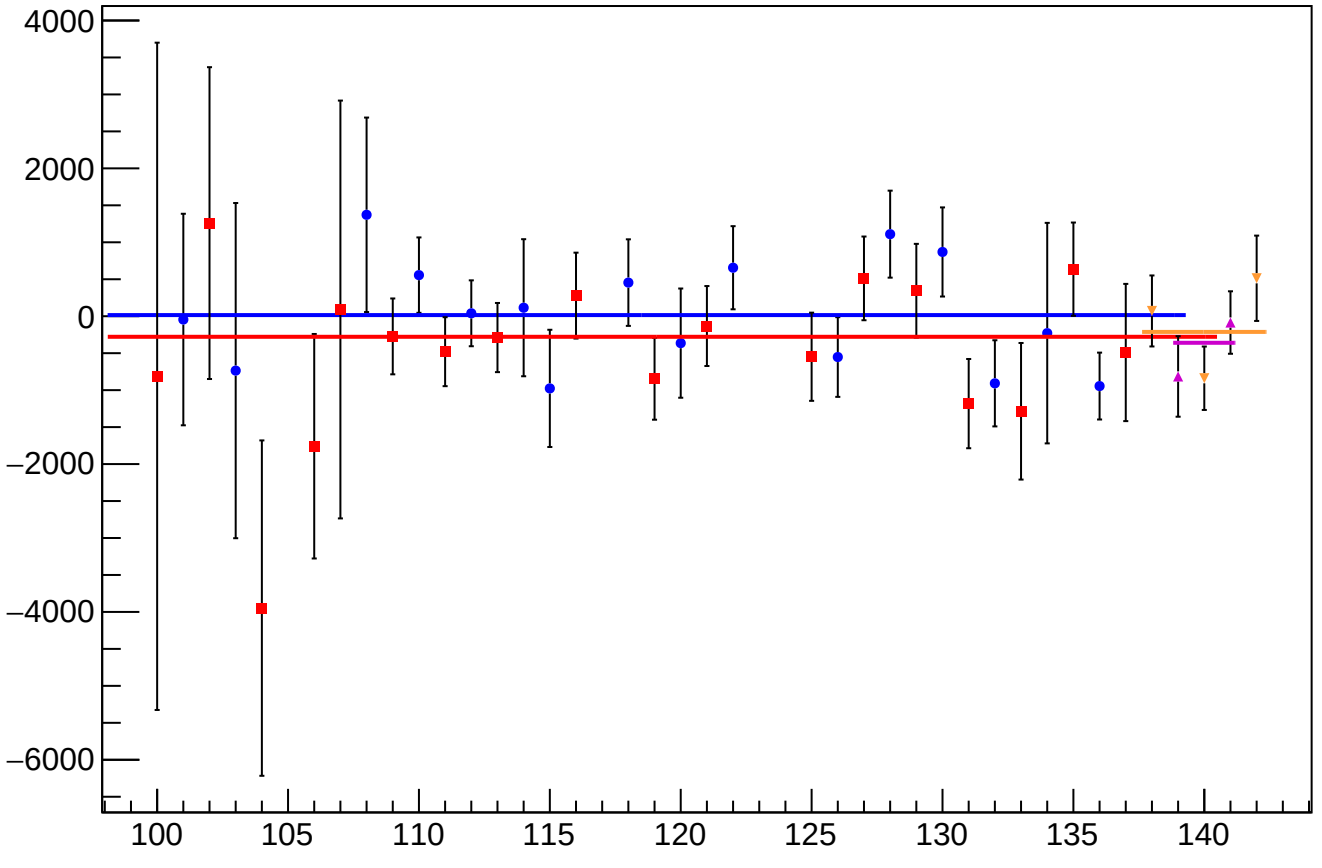
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1149.689+/-0.618 χ^2/NDF:588.8/1

+ sign 1129.654+/-0.267 χ^2/NDF: 622552.1/18

All: 1133.243+/-0.191 χ^2/NDF: 851492.5/38

- sign 1137.010+/-0.273 χ^2/NDF: 228569.3/19



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -212.196+/-279.772 χ^2/NDF:4.1/2

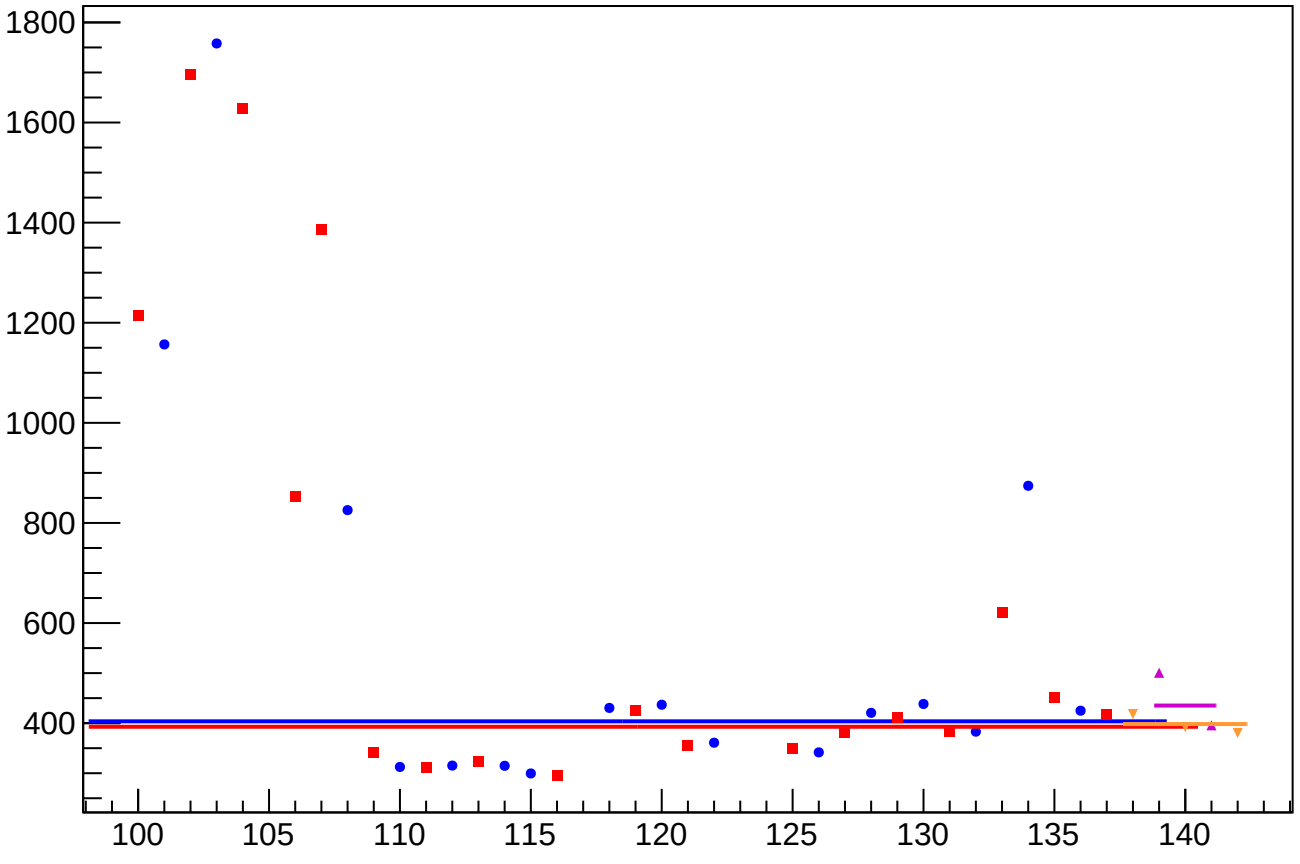
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -359.434+/-333.826 χ^2/NDF:1.1/1

\+ sign -41.751+/-140.092 χ^2/NDF: 24.2/18

All: -164.540+/-100.216 χ^2/NDF: 42.0/38

\- sign -293.234+/-143.421 χ^2/NDF: 16.2/19



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 398.204+/-0.198 χ^2/NDF:5779.9/2

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

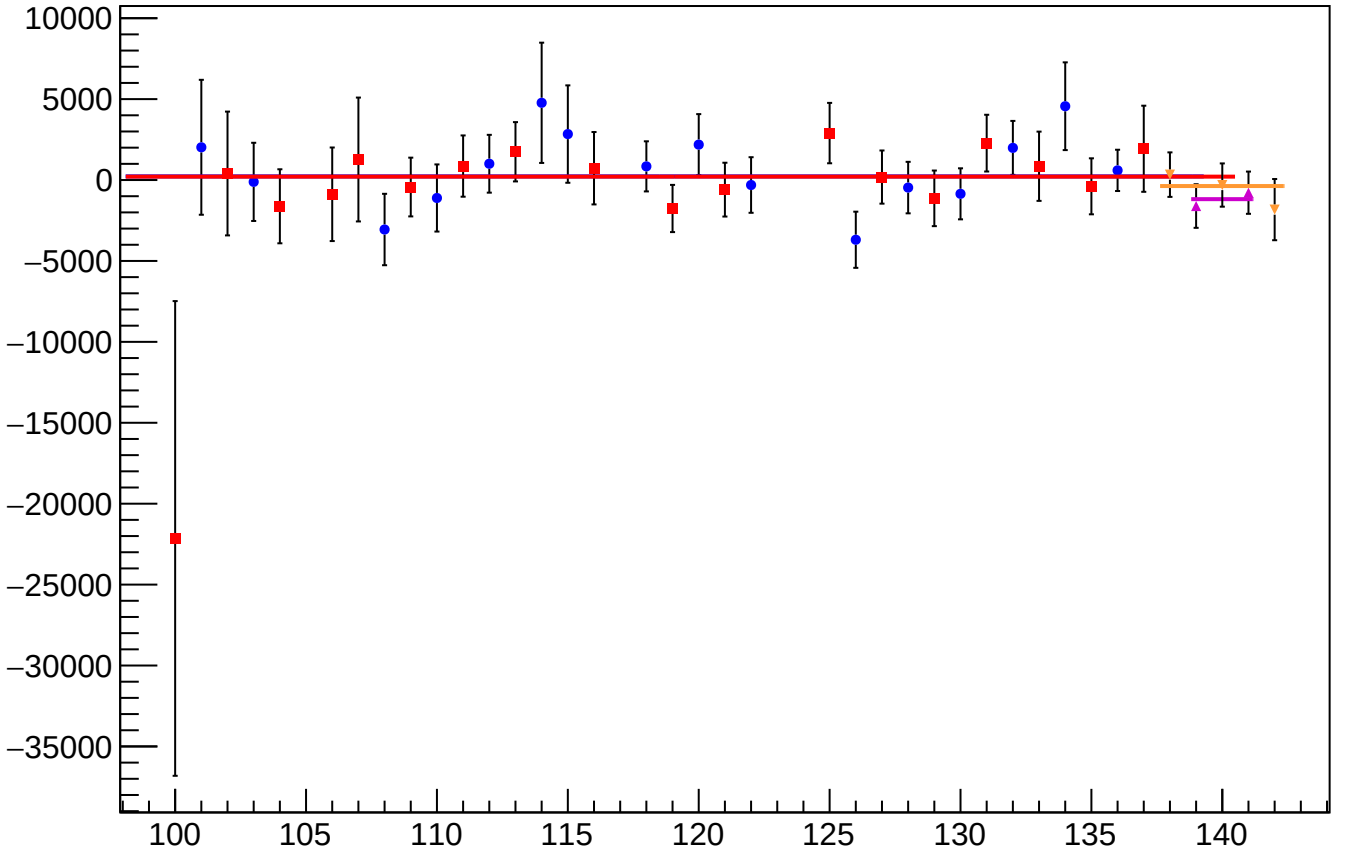
Left In: 435.150+/-0.236 χ^2/NDF:46372.8/1

+ sign 402.287+/-0.099 χ^2/NDF: 1935942.6/18

All: 401.478+/-0.071 χ^2/NDF: 4212140.1/38

- sign 400.631+/-0.101 χ^2/NDF: 2276061.1/19

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: -371.566+/-854.840 χ^2/NDF:0.9/2

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

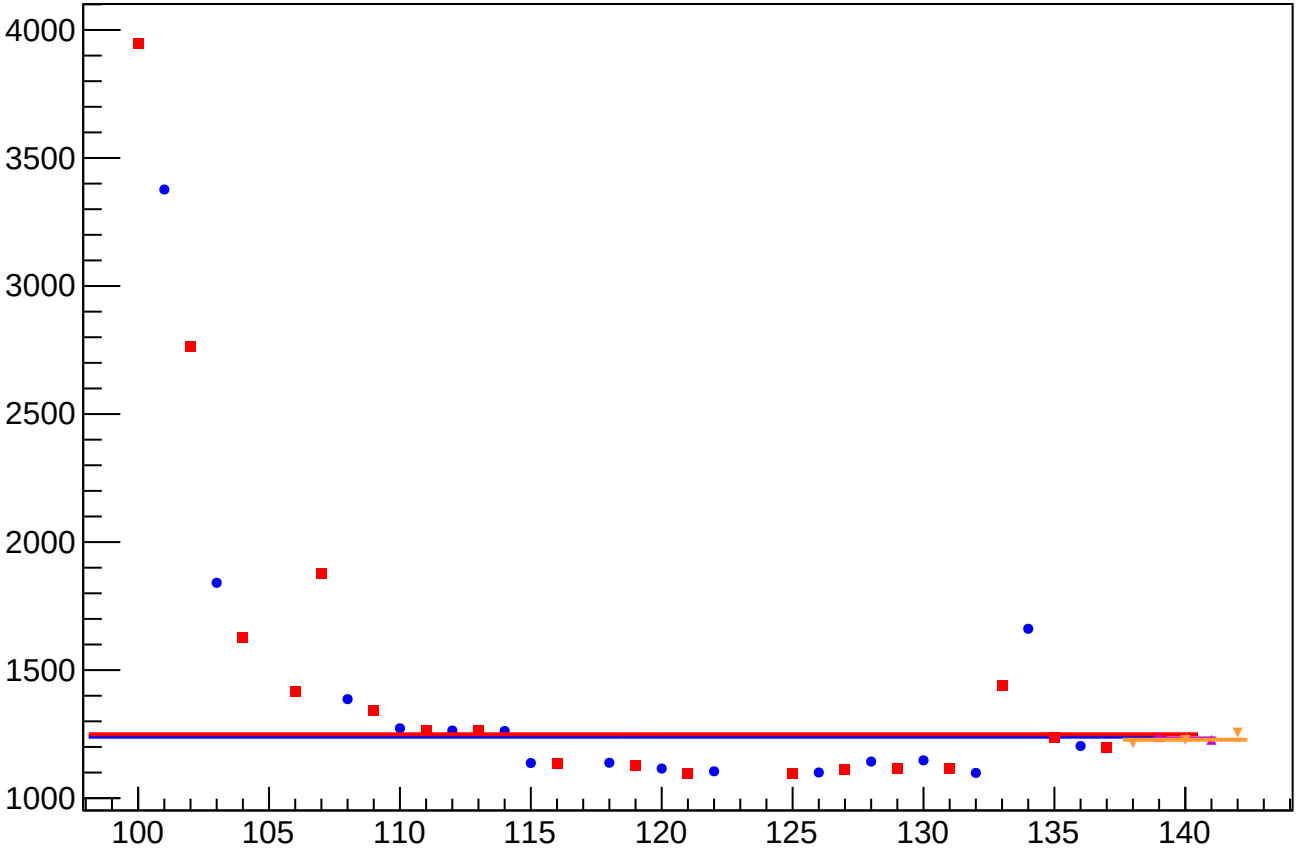
Left In: -1181.681+/-937.373 χ^2/NDF:0.2/1

+ sign 84.320+/-414.911 χ^2/NDF: 17.4/18

All: 5.619+/-297.129 χ^2/NDF: 30.3/38

- sign -77.228+/-425.703 χ^2/NDF: 12.9/19

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1228.207+/-0.604 χ^2/NDF:627.2/2

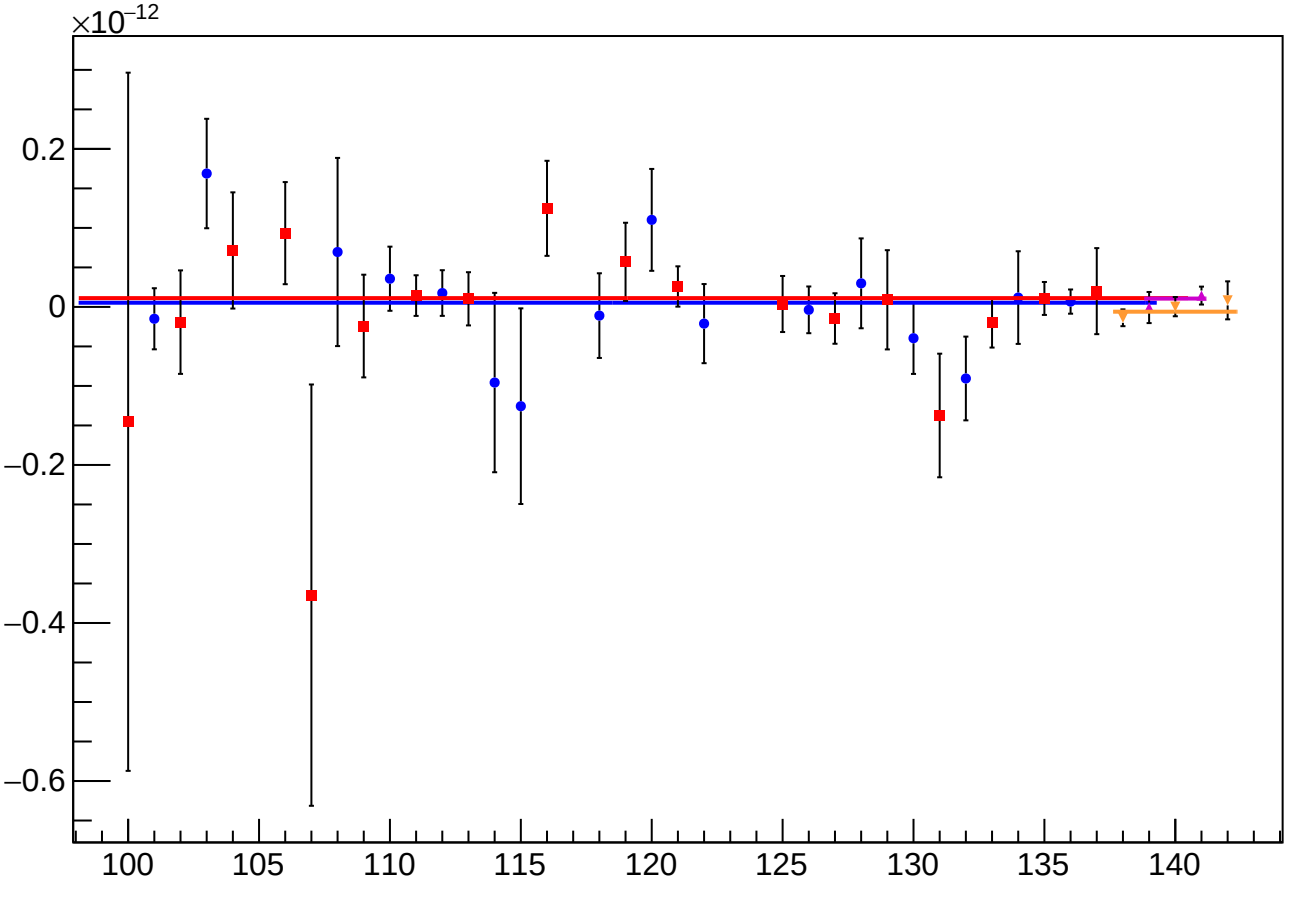
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1233.296+/-0.663 χ^2/NDF:66.3/1

+ sign 1237.329+/-0.293 χ^2/NDF: 783604.8/18

All: 1241.595+/-0.210 χ^2/NDF: 1390673.6/38

- sign 1246.087+/-0.301 χ^2/NDF: 606634.6/19



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/2

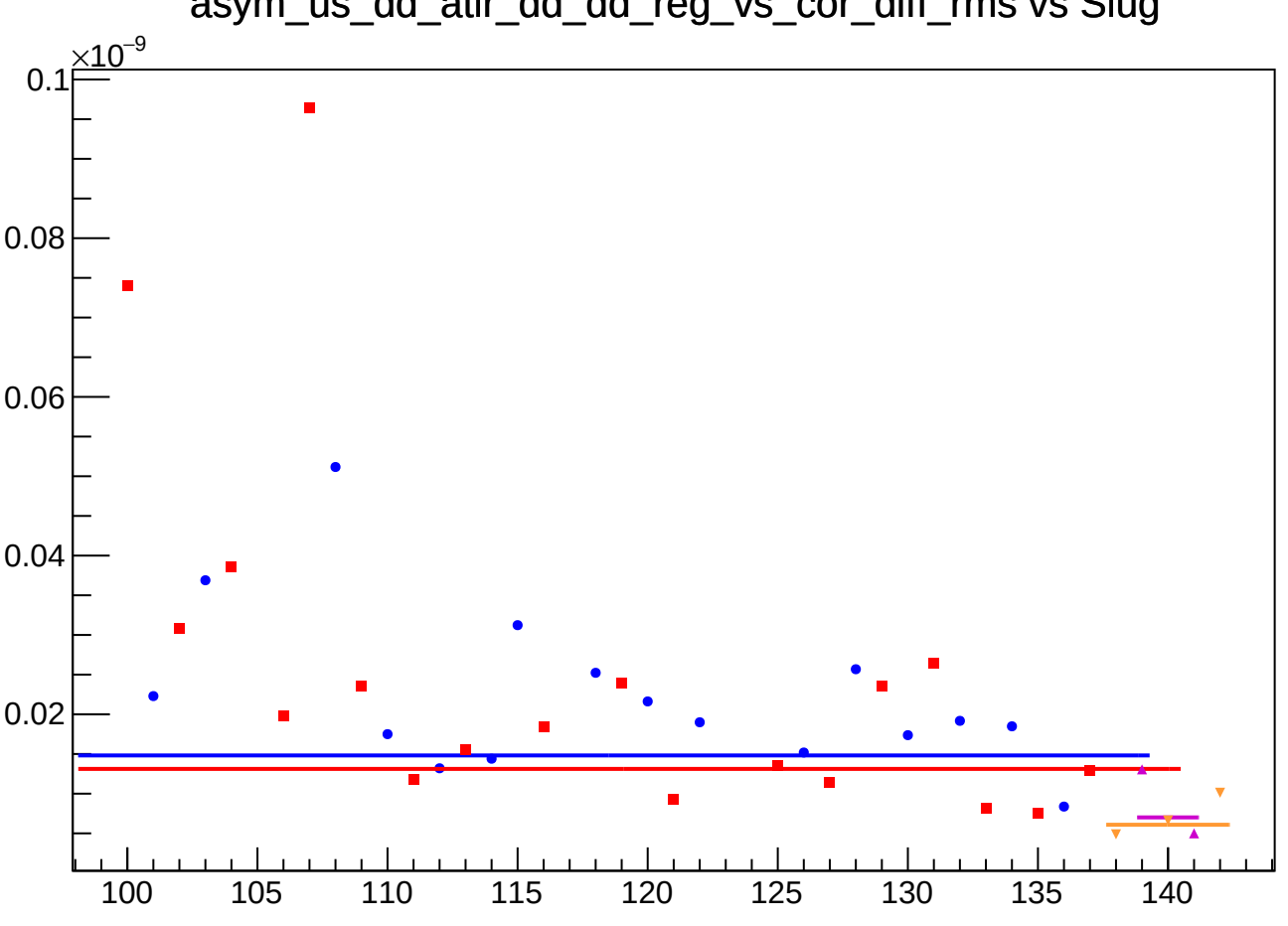
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.4/18

All: 0.000+/-0.000 χ^2/NDF: 35.8/38

- sign 0.000+/-0.000 χ^2/NDF: 15.5/19



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:86096.8/2

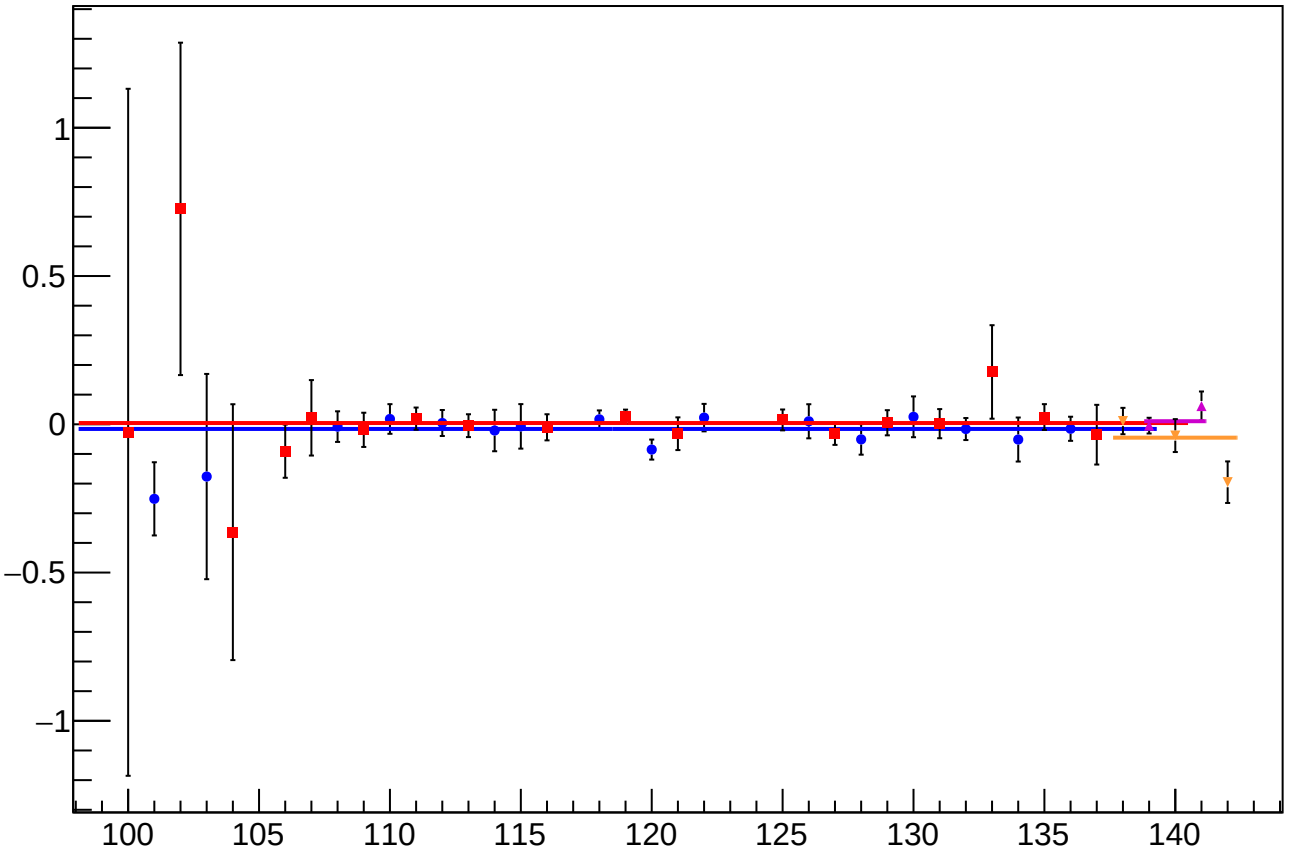
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:252163.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 2179104.9/18

All: 0.000+/-0.000 χ^2/NDF: 4033546.9/38

- sign 0.000+/-0.000 χ^2/NDF: 1839404.1/19



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

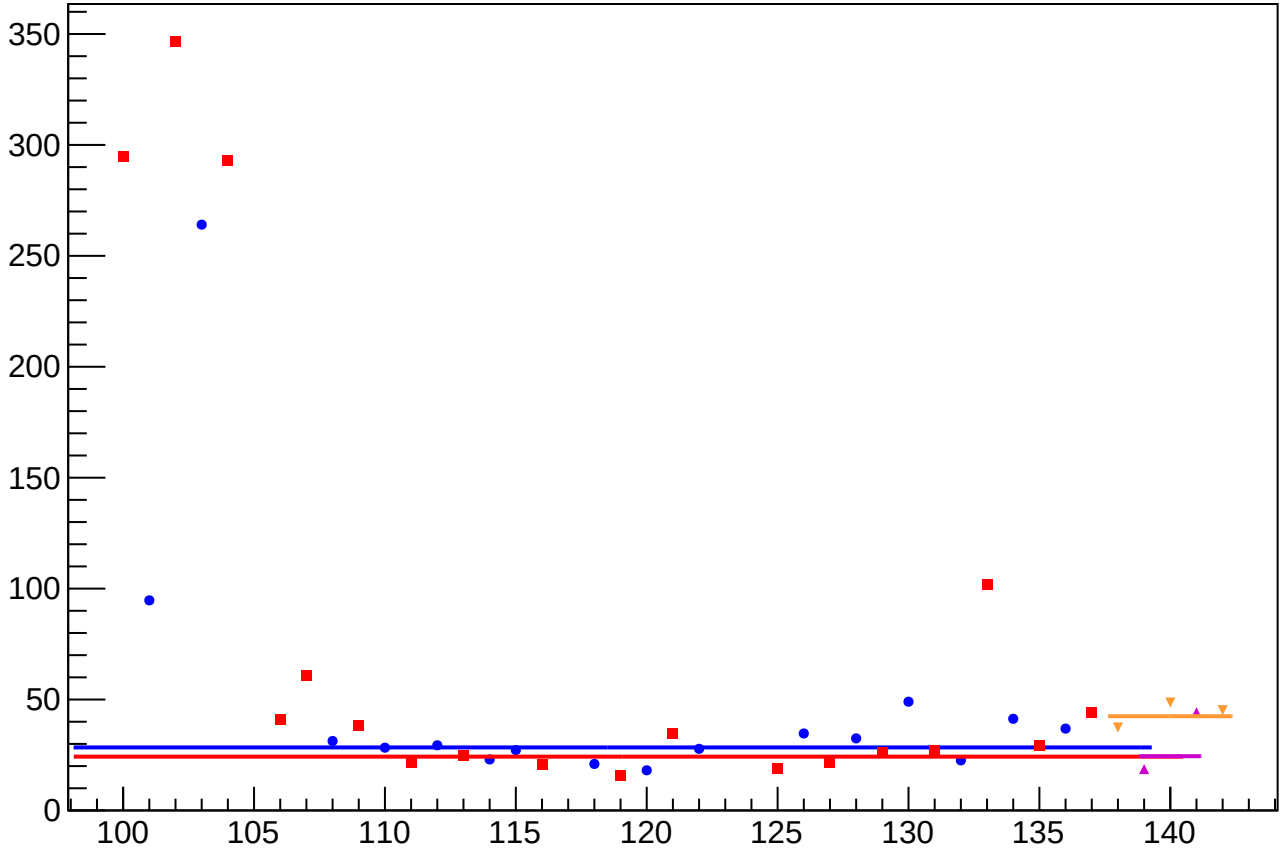
Left In: 0.010+/-0.023 χ^2/NDF:1.4/1

+ sign -0.020+/-0.011 χ^2/NDF: 18.9/18

All: -0.006+/-0.008 χ^2/NDF: 30.8/38

- sign 0.005+/-0.010 χ^2/NDF: 9.3/19

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: 42.471+/-0.022 χ^2/NDF:53875.2/2

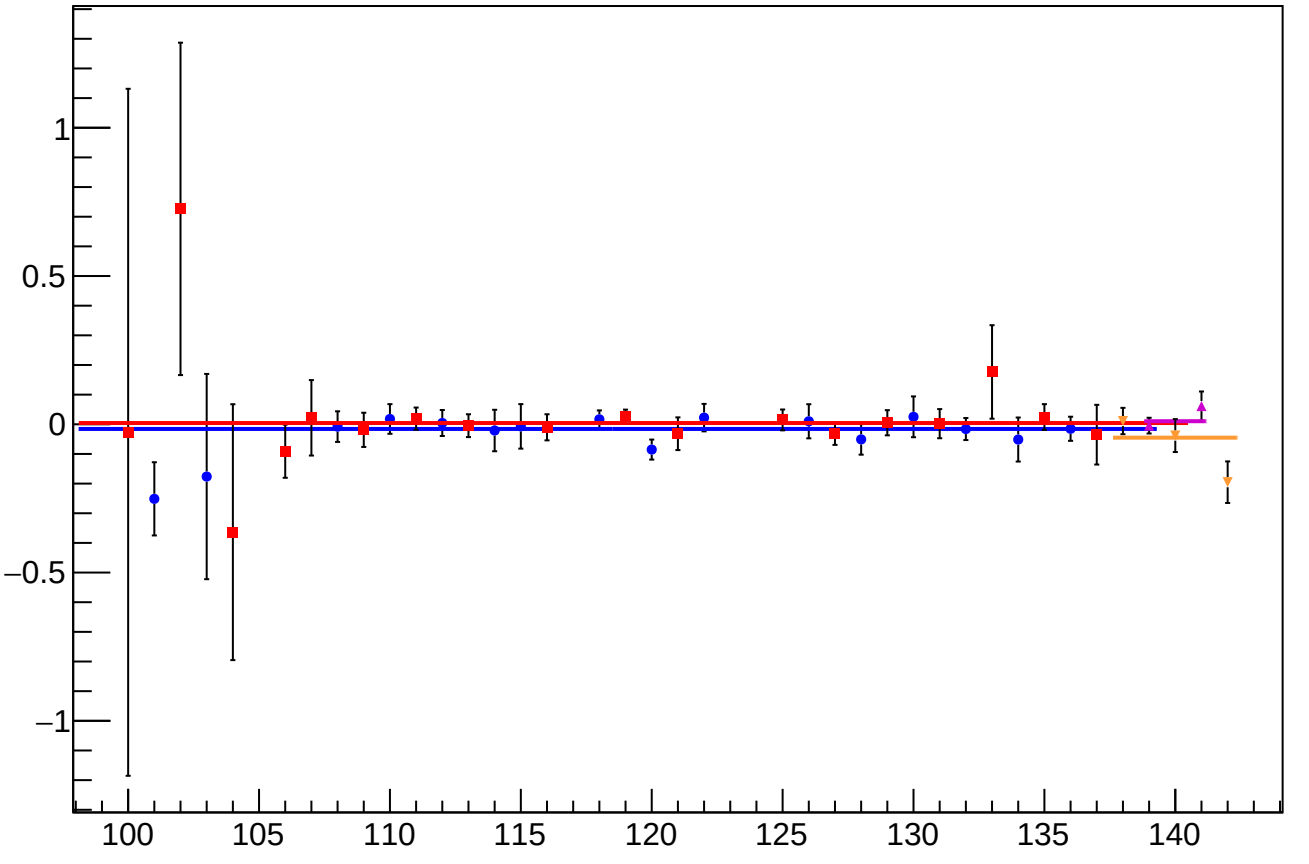
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 24.451+/-0.016 χ^2/NDF:421301.8/1

+ sign 30.314+/-0.008 χ^2/NDF: 2652741.6/18

All: 26.979+/-0.005 χ^2/NDF: 6294242.5/38

- sign 24.293+/-0.007 χ^2/NDF: 3334884.2/19



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.045+/-0.031 χ^2/NDF:6.2/2

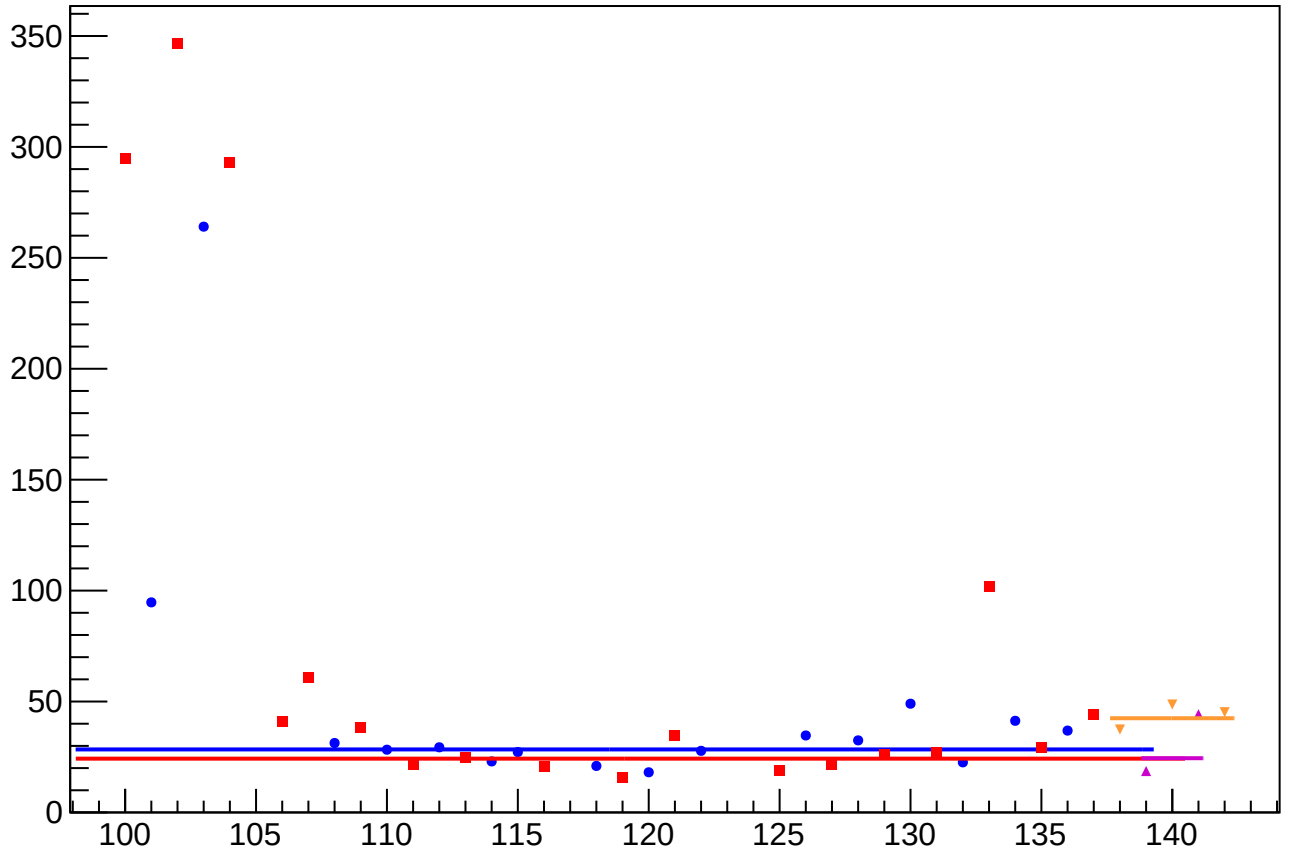
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.023 χ^2/NDF:1.4/1

+ sign -0.020+/-0.011 χ^2/NDF: 18.9/18

All: -0.006+/-0.008 χ^2/NDF: 30.8/38

- sign 0.005+/-0.010 χ^2/NDF: 9.3/19



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 42.471+/-0.022 χ^2/NDF:53875.2/2

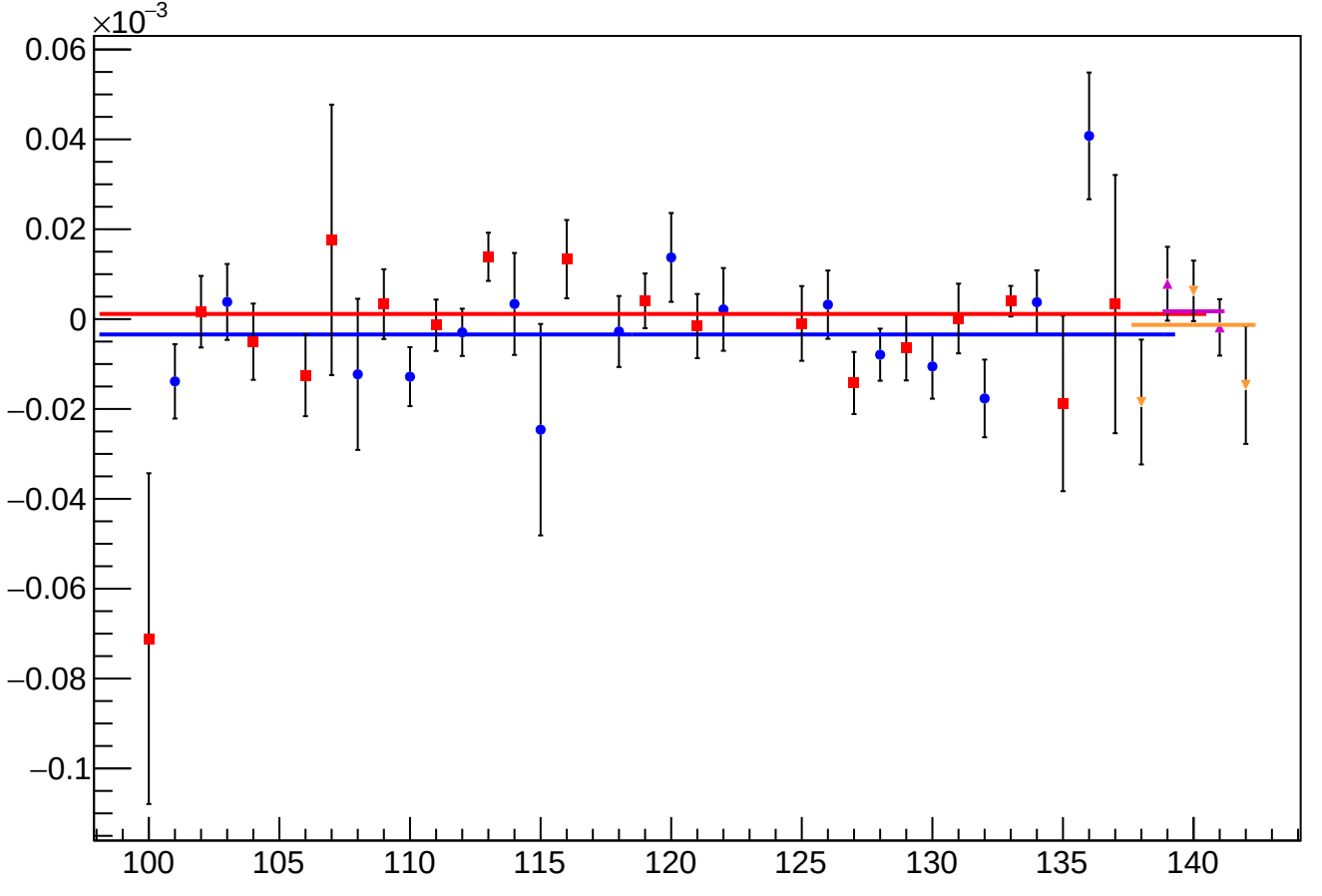
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 24.451+/-0.016 χ^2/NDF:421301.8/1

+ sign 30.314+/-0.008 χ^2/NDF: 2652741.6/18

All: 26.979+/-0.005 χ^2/NDF: 6294242.5/38

- sign 24.293+/-0.007 χ^2/NDF: 3334884.2/19



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/2

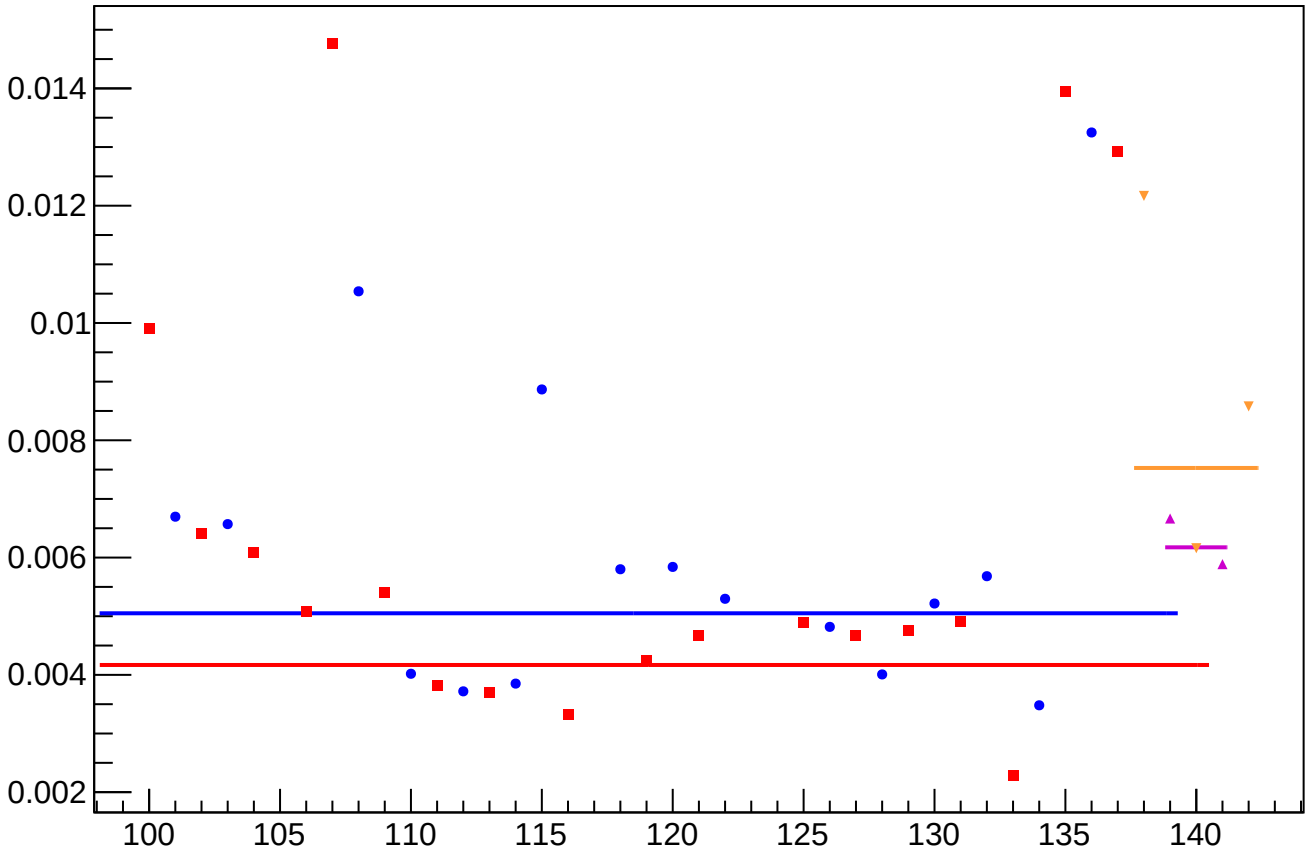
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/18

All: -0.000+/-0.000 χ^2/NDF: 56.1/38

- sign 0.000+/-0.000 χ^2/NDF: 23.9/19



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:318527.0/2

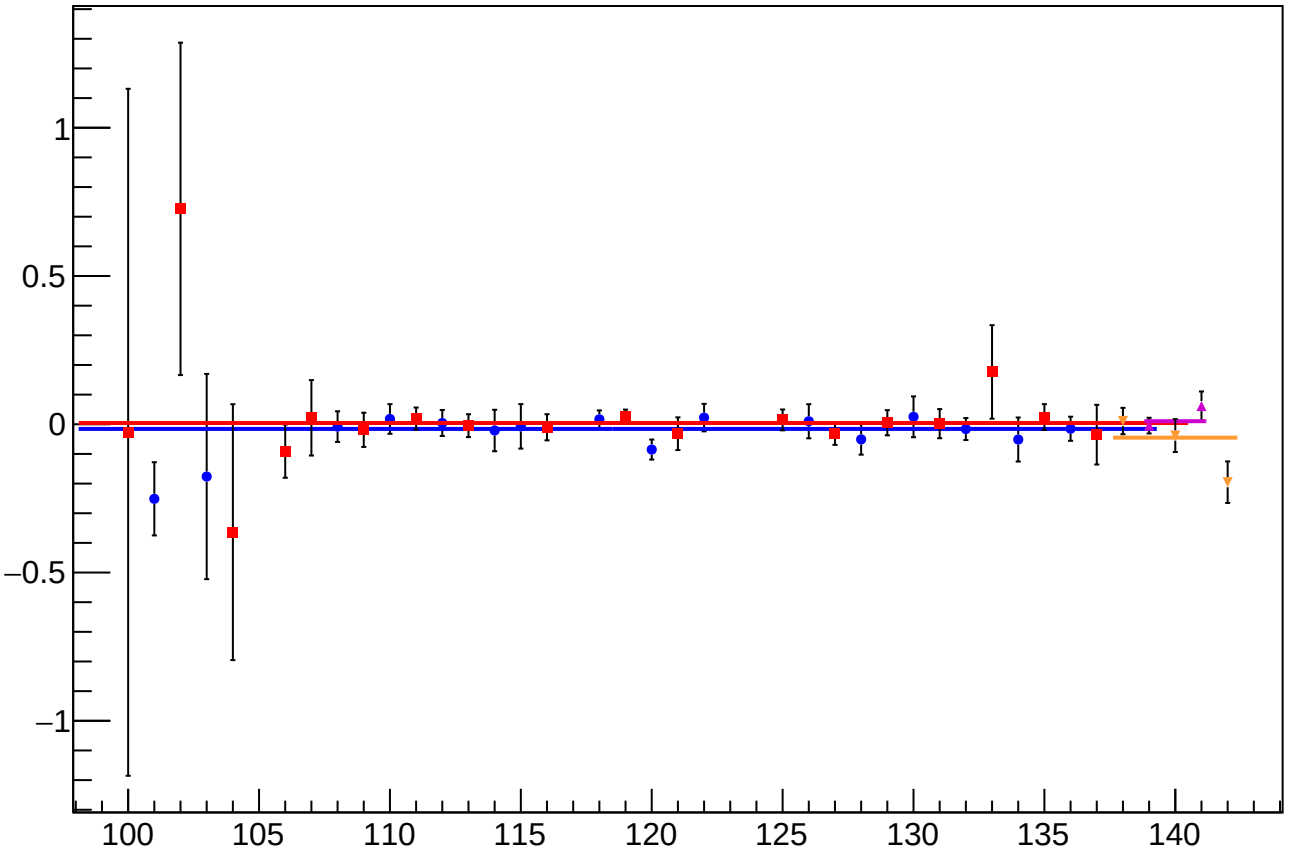
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.006+/-0.000 χ^2/NDF:11314.8/1

+ sign 0.005+/-0.000 χ^2/NDF: 2170035.7/18

All: 0.005+/-0.000 χ^2/NDF: 4815841.2/38

- sign 0.004+/-0.000 χ^2/NDF: 2342972.0/19



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.045+/-0.031 χ^2/NDF:6.2/2

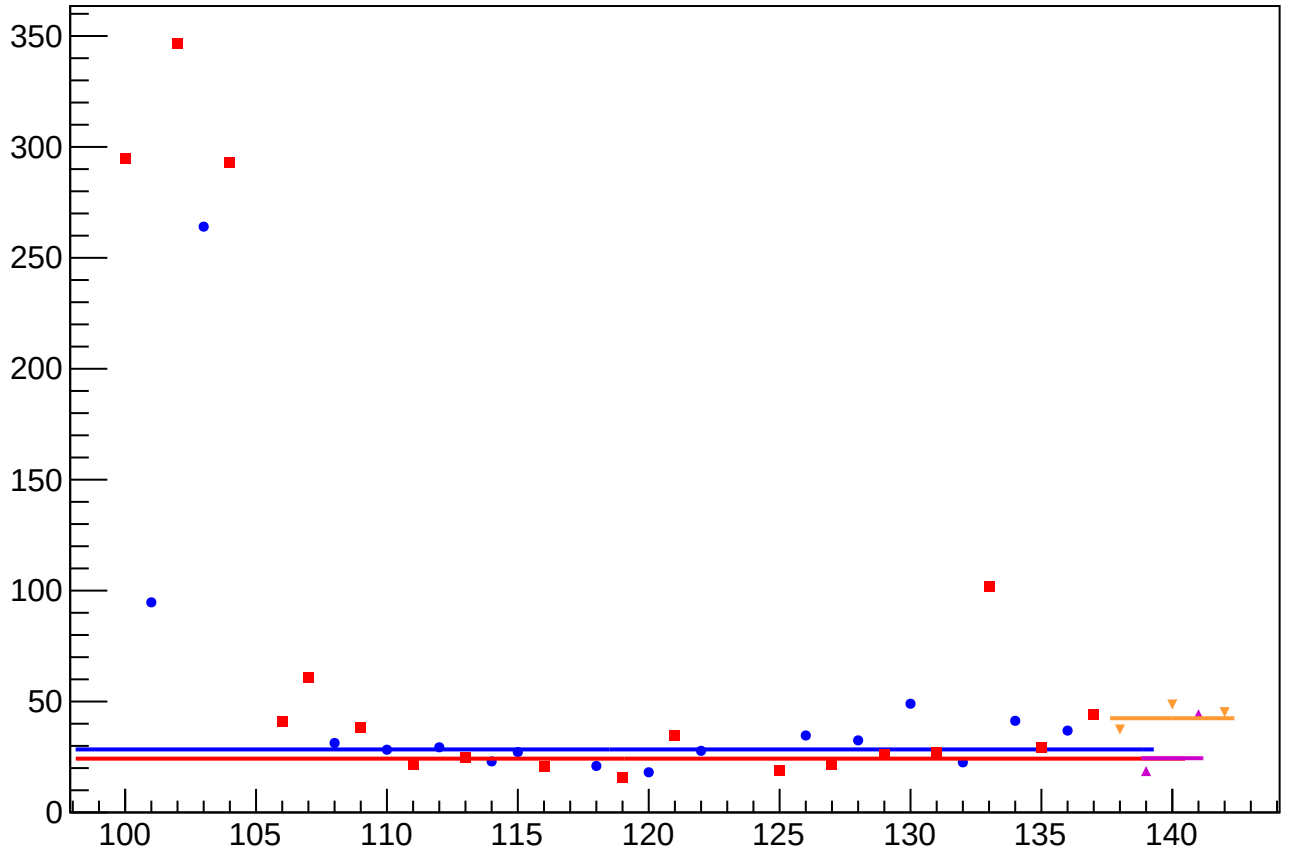
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.023 χ^2/NDF:1.4/1

+ sign -0.020+/-0.011 χ^2/NDF: 18.9/18

All: -0.006+/-0.008 χ^2/NDF: 30.8/38

- sign 0.005+/-0.010 χ^2/NDF: 9.3/19



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 42.472+/-0.022 χ^2/NDF:53921.2/2

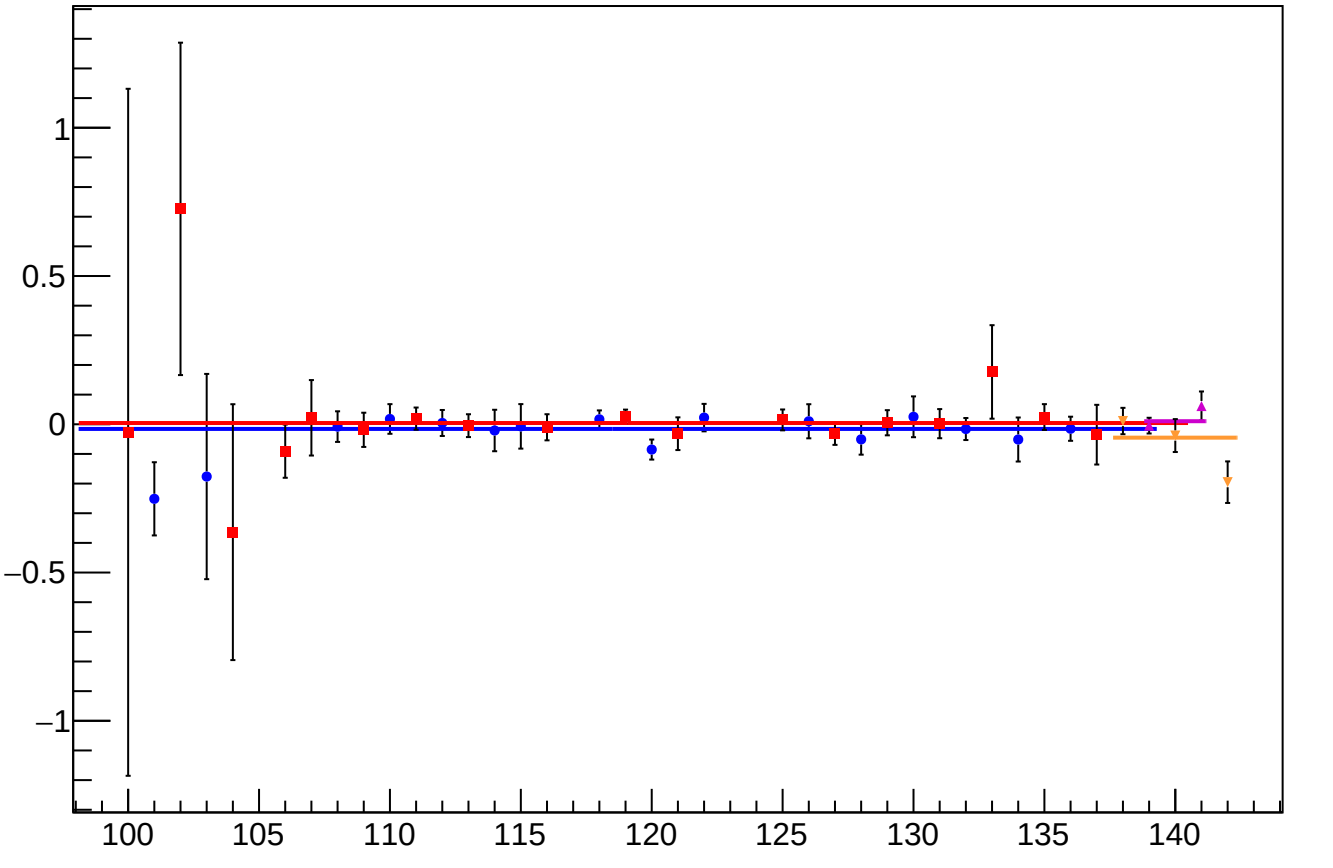
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 24.448+/-0.016 χ^2/NDF:421484.4/1

+ sign 30.314+/-0.008 χ^2/NDF: 2652877.9/18

All: 26.978+/-0.005 χ^2/NDF: 6294996.9/38

- sign 24.292+/-0.007 χ^2/NDF: 3335306.5/19



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

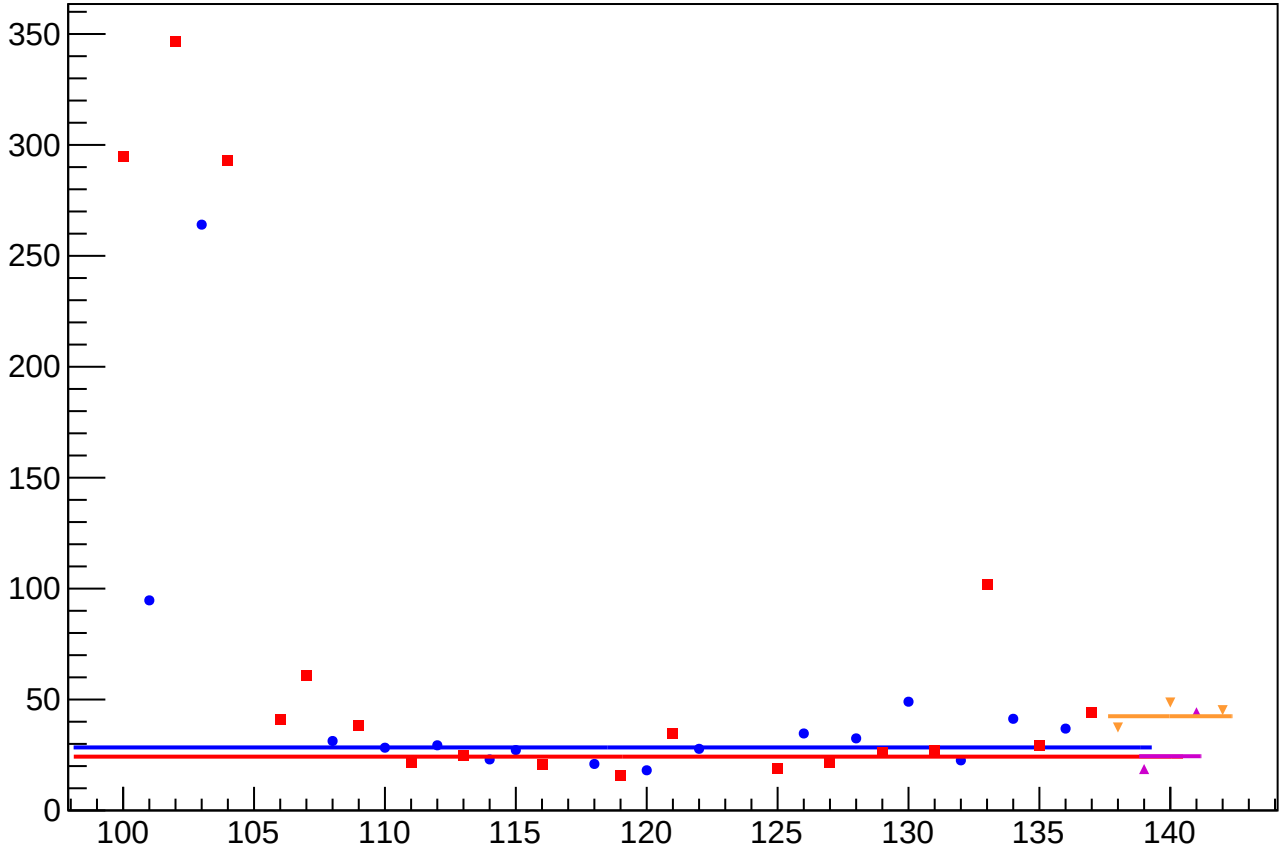
Left In: 0.010+/-0.023 χ^2/NDF:1.4/1

+ sign -0.020+/-0.011 χ^2/NDF: 18.9/18

All: -0.006+/-0.008 χ^2/NDF: 30.8/38

- sign 0.005+/-0.010 χ^2/NDF: 9.3/19

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 42.472+/-0.022 χ^2/NDF:53921.2/2

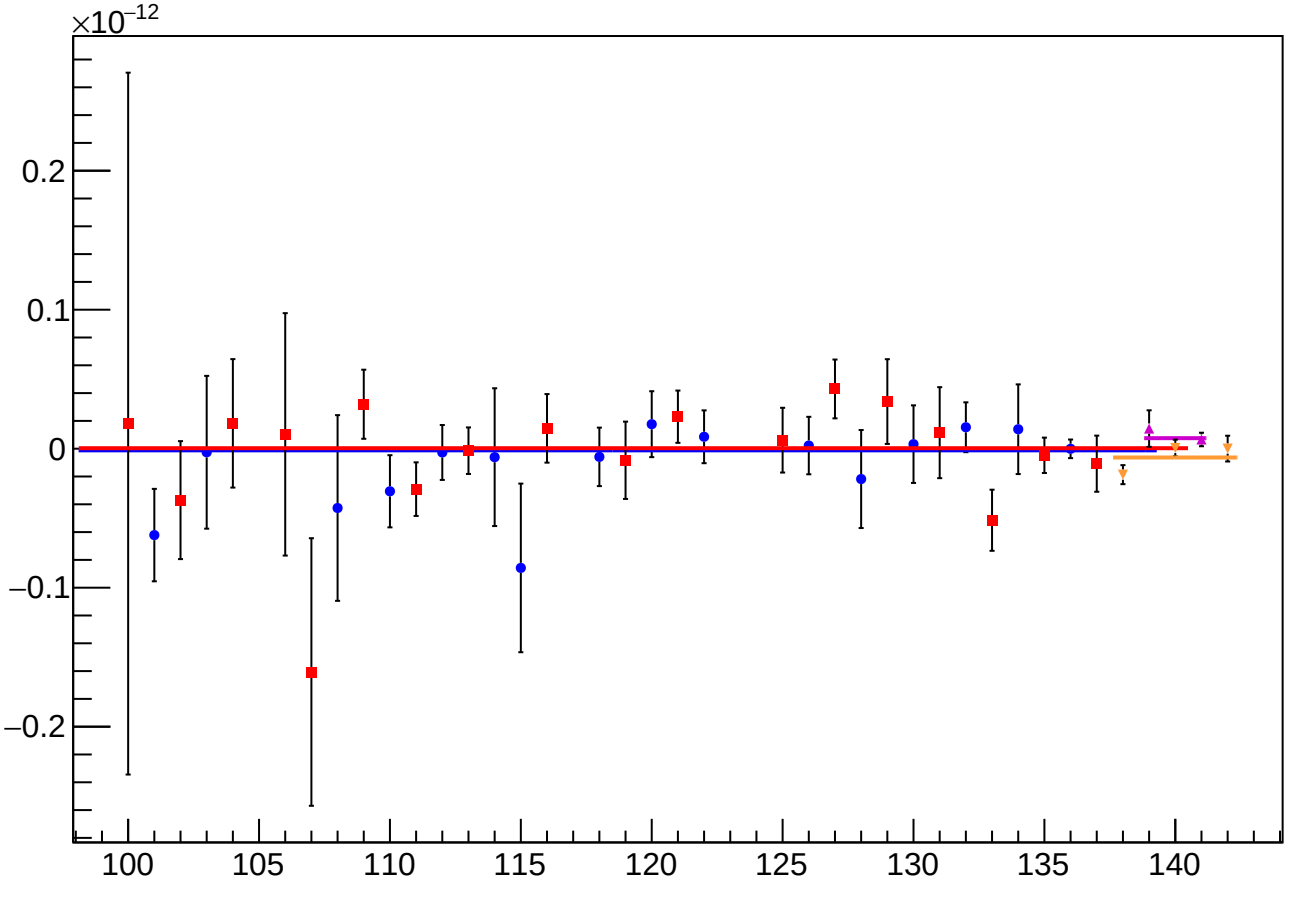
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 24.448+/-0.016 χ^2/NDF:421484.4/1

+ sign 30.314+/-0.008 χ^2/NDF: 2652877.9/18

All: 26.978+/-0.005 χ^2/NDF: 6294996.9/38

- sign 24.292+/-0.007 χ^2/NDF: 3335306.5/19



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/2

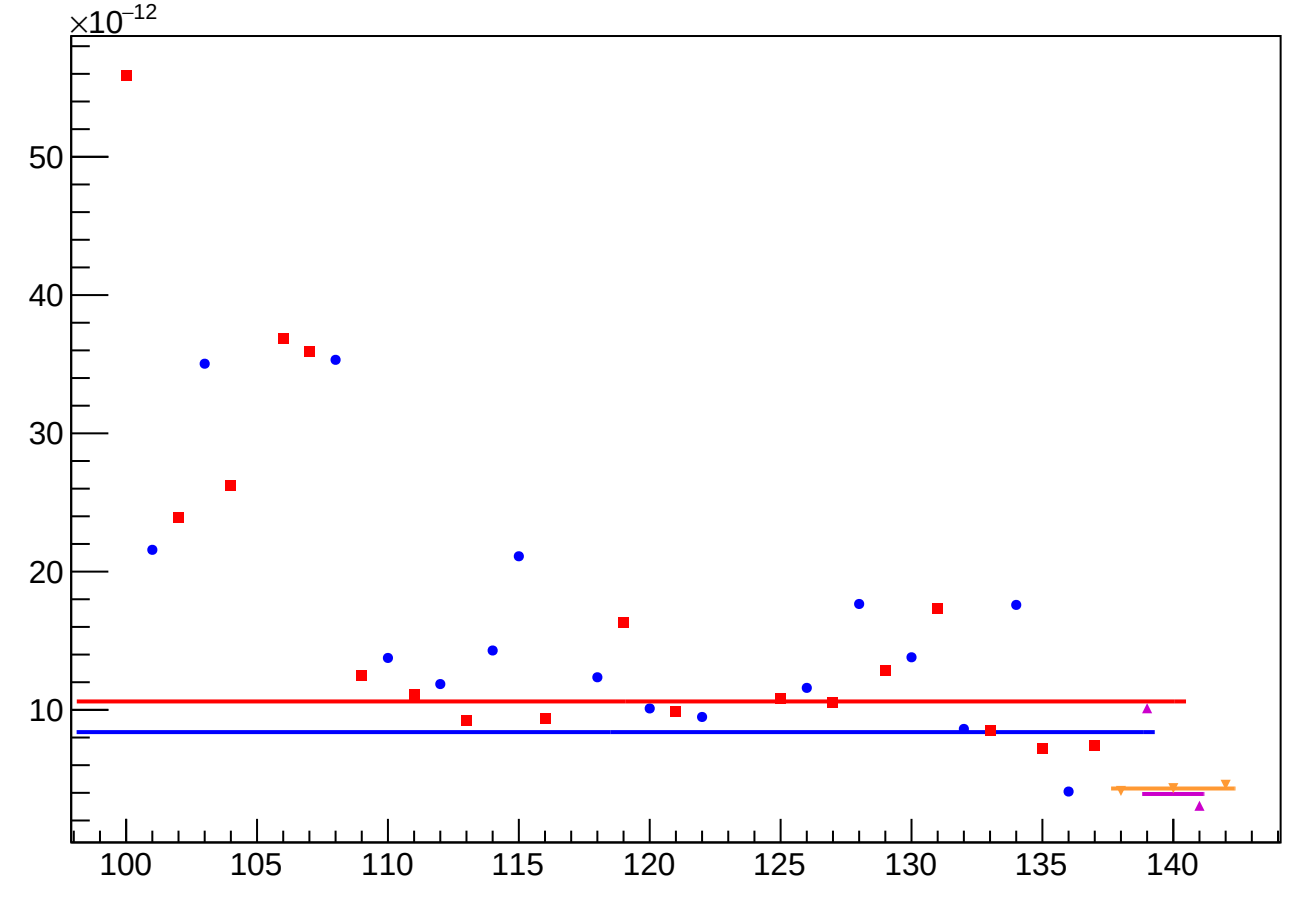
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 15.1/18

All: -0.000+/-0.000 χ^2/NDF: 41.1/38

- sign 0.000+/-0.000 χ^2/NDF: 22.4/19



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3033.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

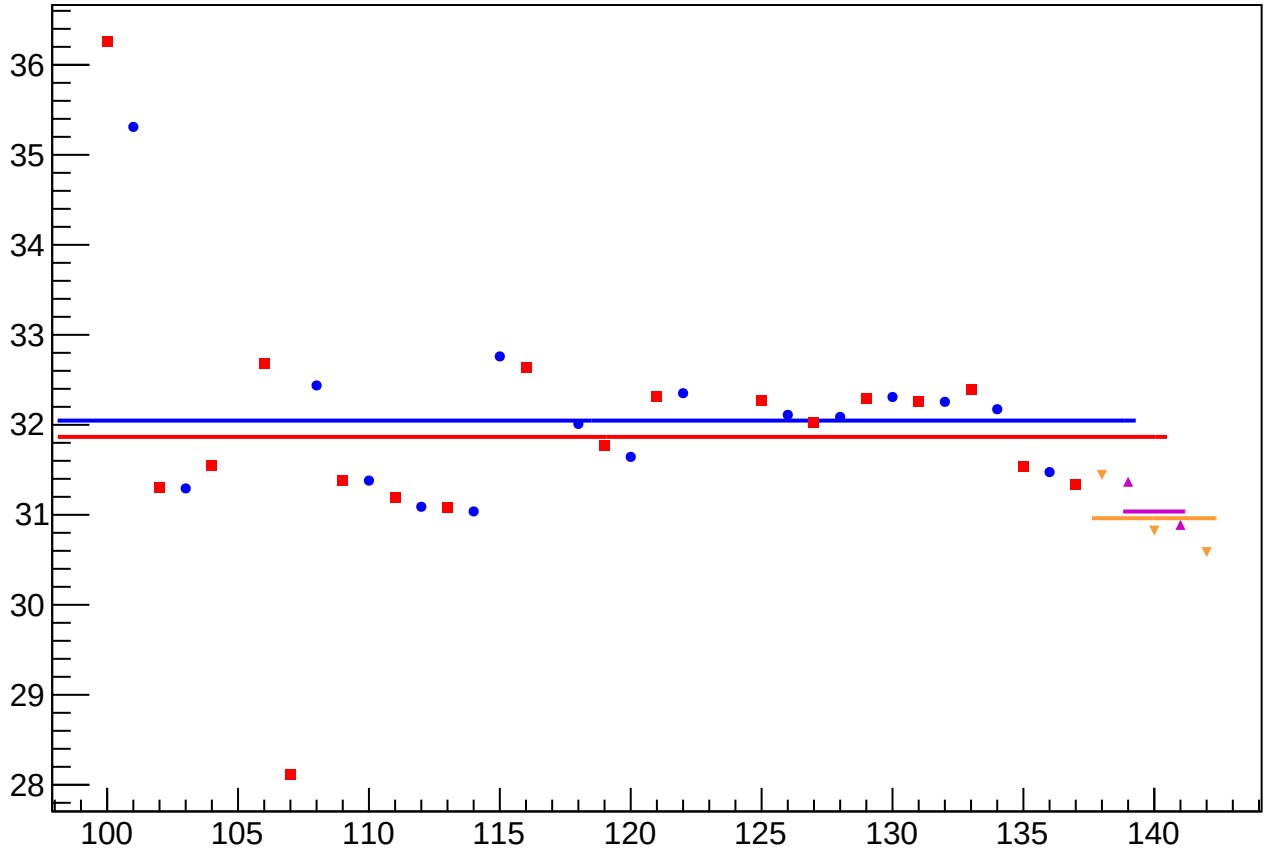
Left In: 0.000+/-0.000 χ^2/NDF:507331.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 3559600.0/18

All: 0.000+/-0.000 χ^2/NDF: 7039807.5/38

- sign 0.000+/-0.000 χ^2/NDF: 3452441.0/19

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 30.962+/-0.000 χ^2/NDF:25946324.0/2

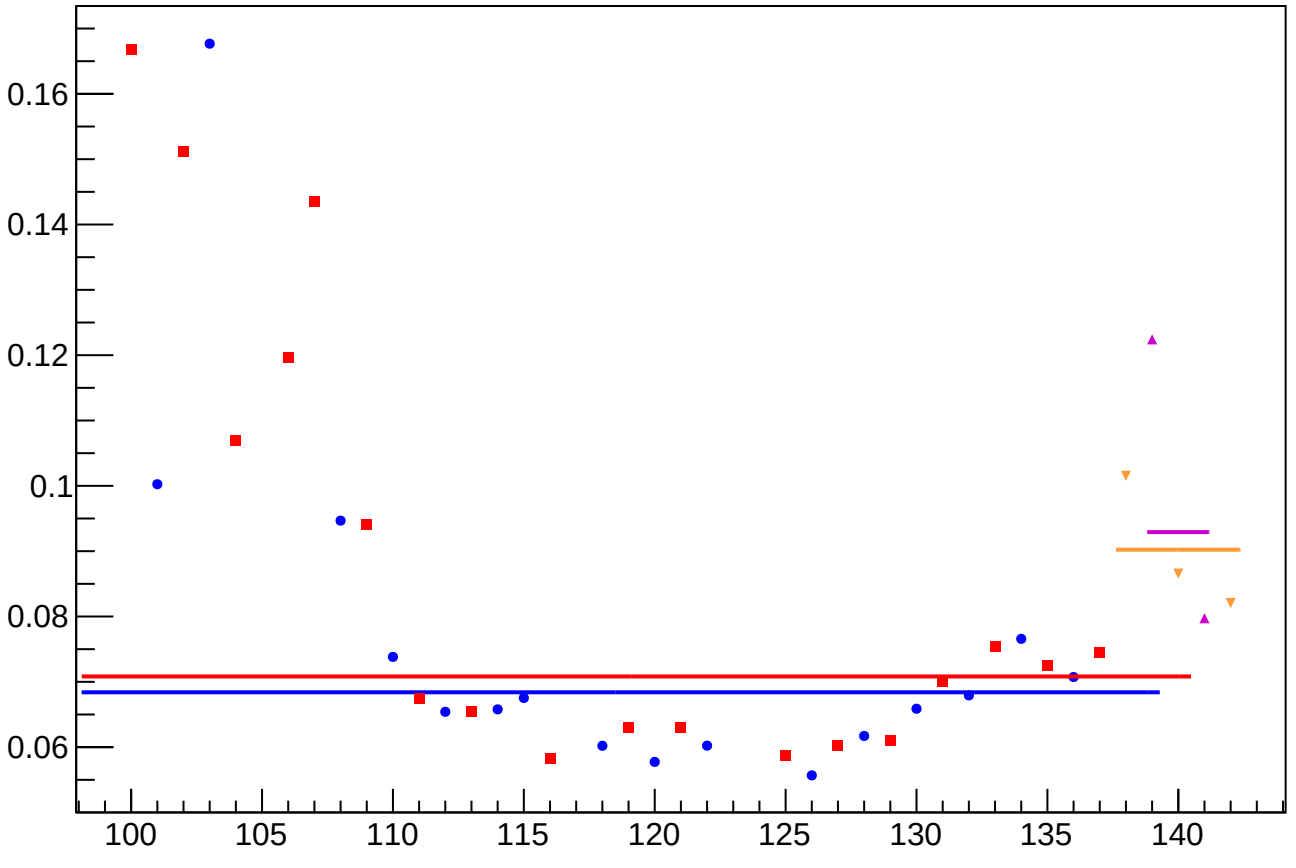
Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.037+/-0.000 χ^2/NDF:8330094.3/1

+ sign 31.894+/-0.000 χ^2/NDF: 1146352071.3/18

All: 31.833+/-0.000 χ^2/NDF: 1755561691.1/3

- sign 31.766+/-0.000 χ^2/NDF: 597047819.0/19



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.090+/-0.000 χ^2/NDF:27831.8/2

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

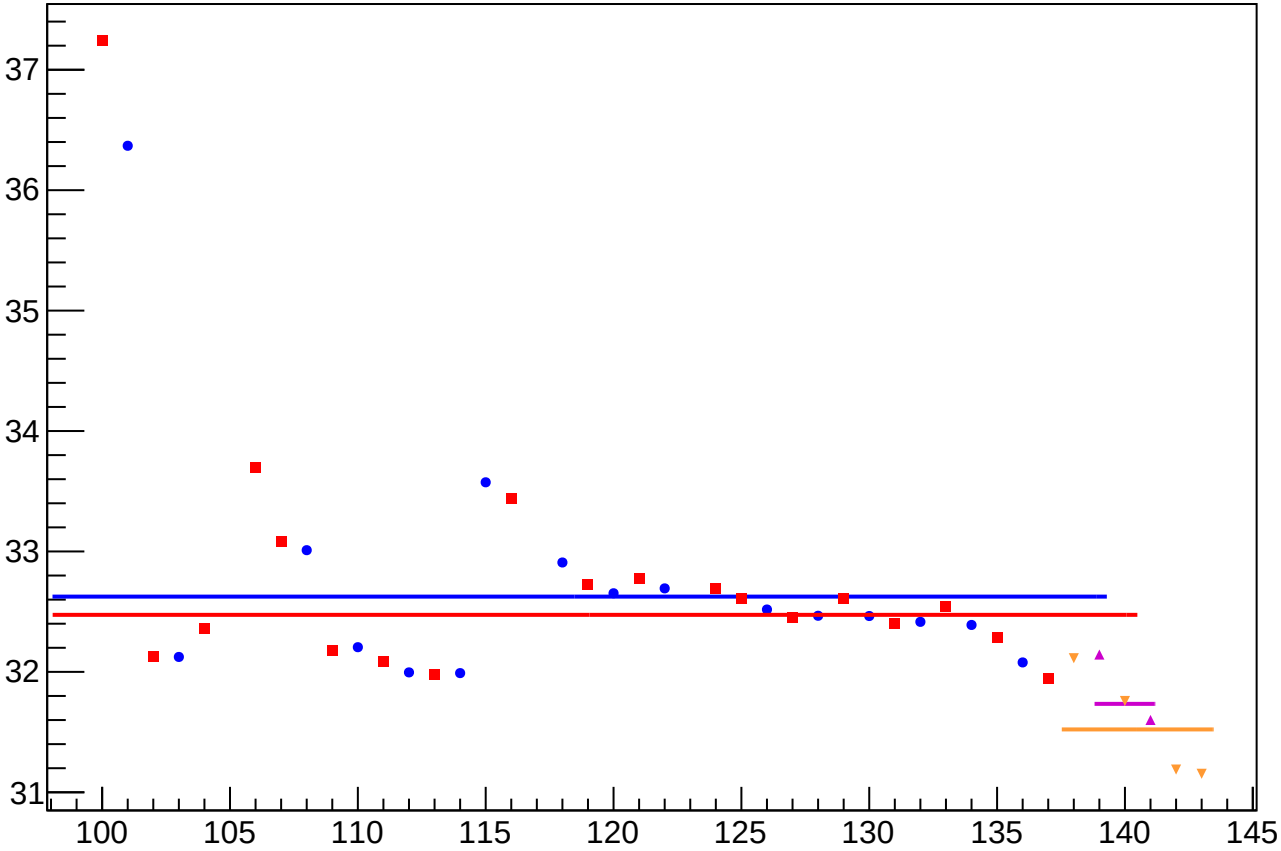
Left In: 0.093+/-0.000 χ^2/NDF:132308.1/1

+ sign 0.071+/-0.000 χ^2/NDF: 910557.3/18

All: 0.072+/-0.000 χ^2/NDF: 2063117.4/38

- sign 0.073+/-0.000 χ^2/NDF: 1146556.4/19

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.522+/-0.000 χ^2/NDF:55297577.8/3

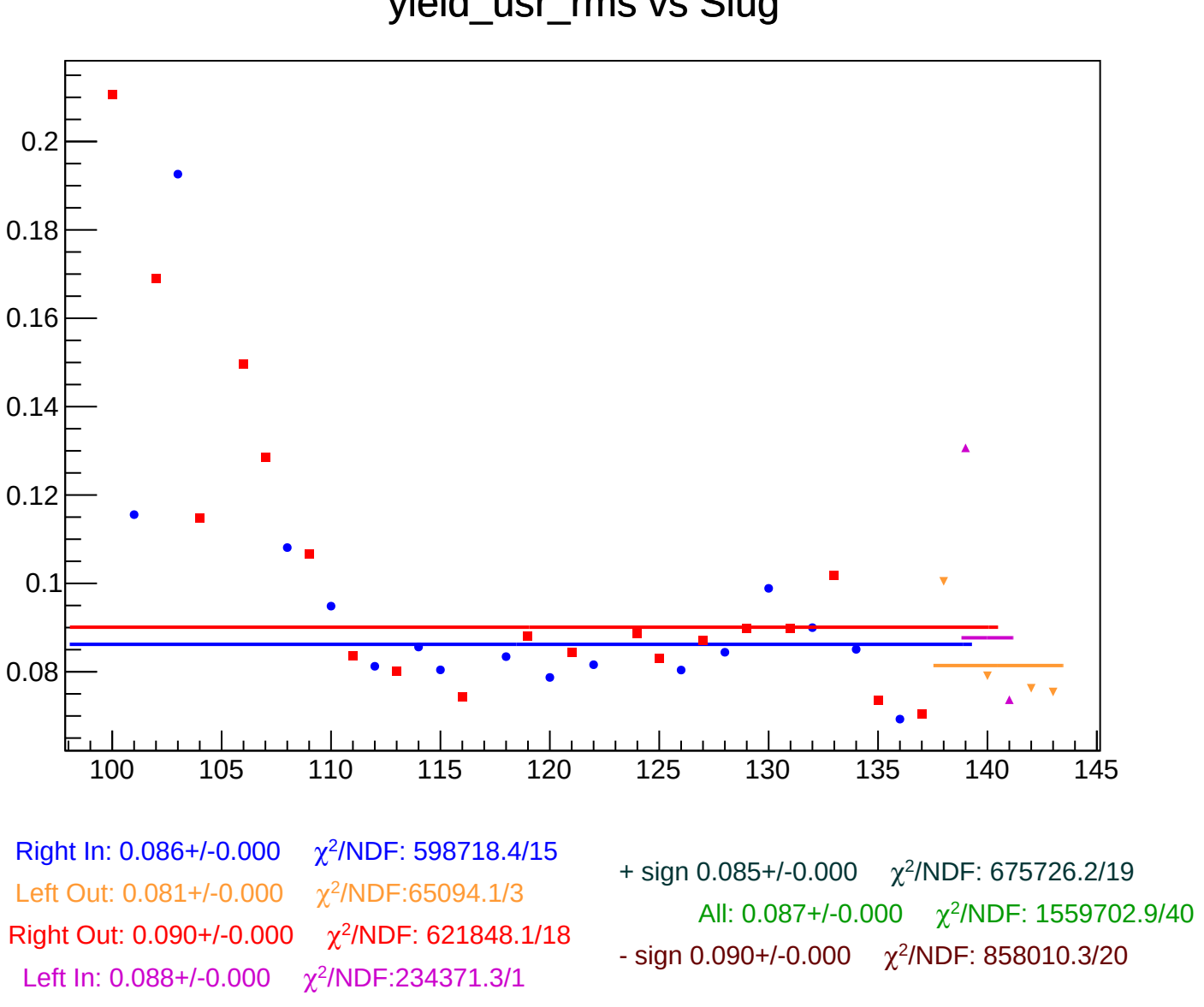
Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 31.734+/-0.000 χ^2/NDF:10637073.9/1

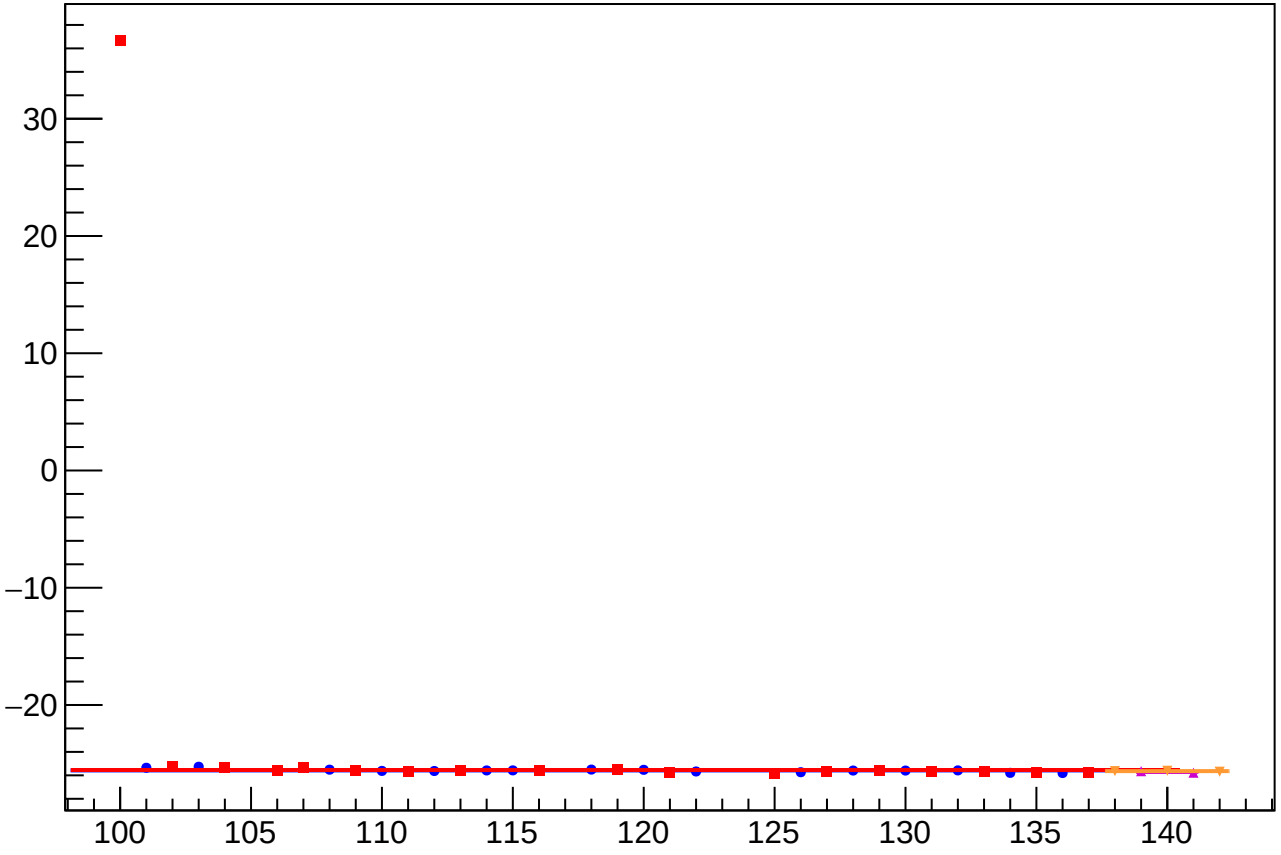
+ sign 32.287+/-0.000 χ^2/NDF: 1109516884.9/19

All: 32.305+/-0.000 χ^2/NDF: 1363259547.6/4

- sign 32.328+/-0.000 χ^2/NDF: 252810444.7/20


yield_usr_rms vs Slug
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
105
110
115
120
125
130
135
140
145
Right In: 0.086+/-0.000 χ²/NDF: 598718.4/15
Left Out: 0.081+/-0.000 χ²/NDF:65094.1/3
Right Out: 0.090+/-0.000 χ²/NDF: 621848.1/18
Left In: 0.088+/-0.000 χ²/NDF:234371.3/1
+ sign 0.085+/-0.000 χ²/NDF: 675726.2/19
All: 0.087+/-0.000 χ²/NDF: 1559702.9/40
- sign 0.090+/-0.000 χ²/NDF: 858010.3/20

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.640+/-0.000 χ^2/NDF:1004891.1/2

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

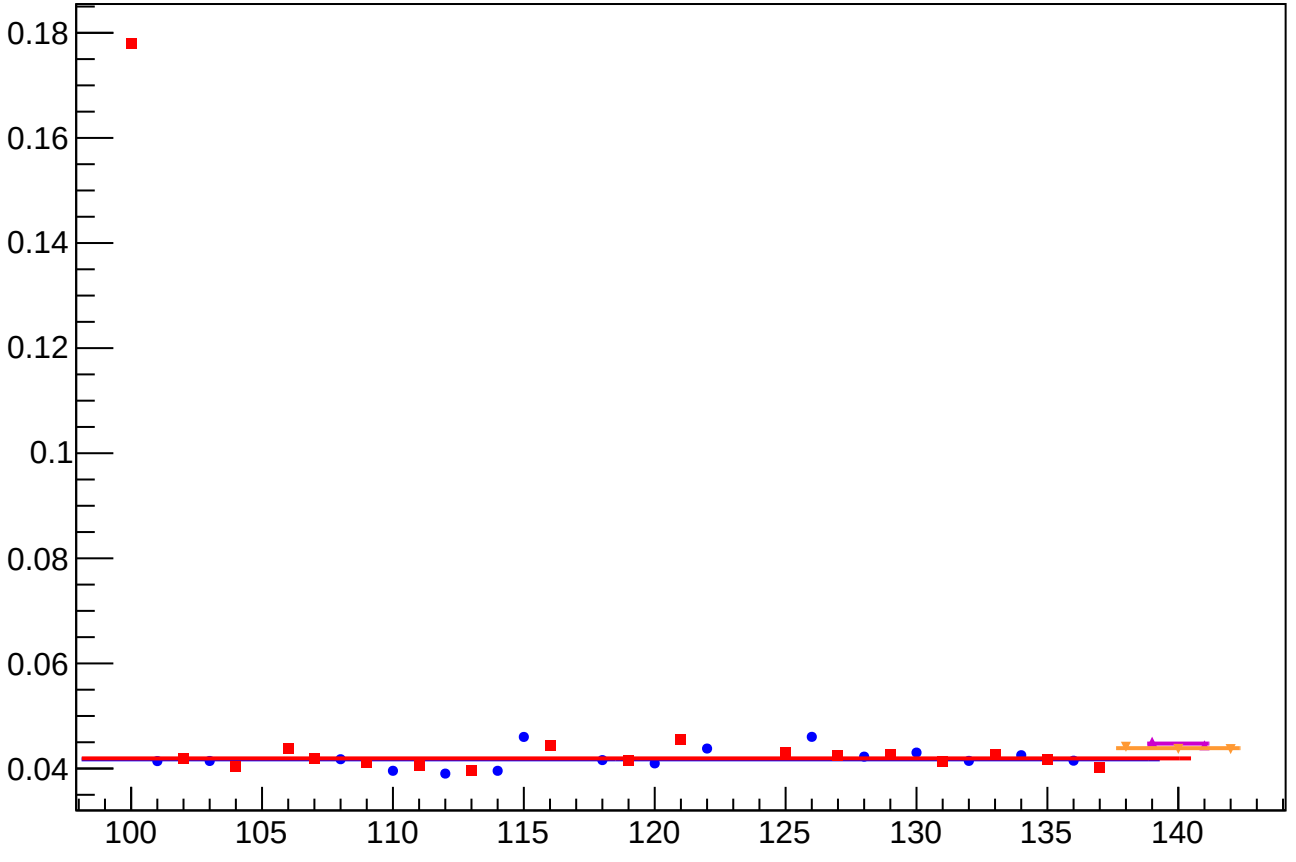
Left In: -25.713+/-0.000 χ^2/NDF:3534861.2/1

+ sign -25.591+/-0.000 χ^2/NDF: 102477067.8/18

All: -25.582+/-0.000 χ^2/NDF: 9034539118.6/

- sign -25.573+/-0.000 χ^2/NDF: 8931176107.6/19

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:87.8/2

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

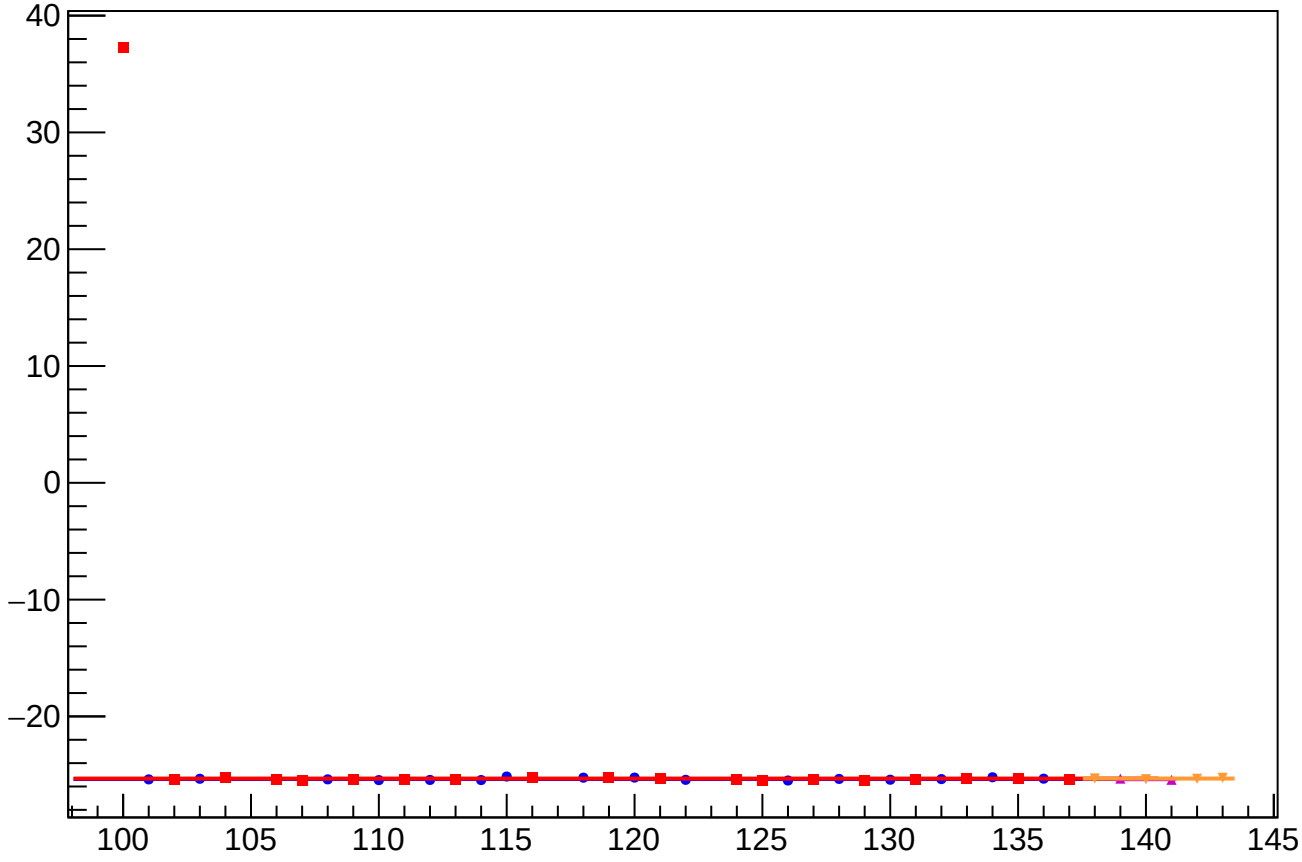
Left In: 0.045+/-0.000 χ^2/NDF:198.8/1

+ sign 0.042+/-0.000 χ^2/NDF: 28440.0/18

All: 0.042+/-0.000 χ^2/NDF: 140259.1/38

- sign 0.042+/-0.000 χ^2/NDF: 111556.9/19

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.320+/-0.000 χ^2/NDF:1637382.9/3

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

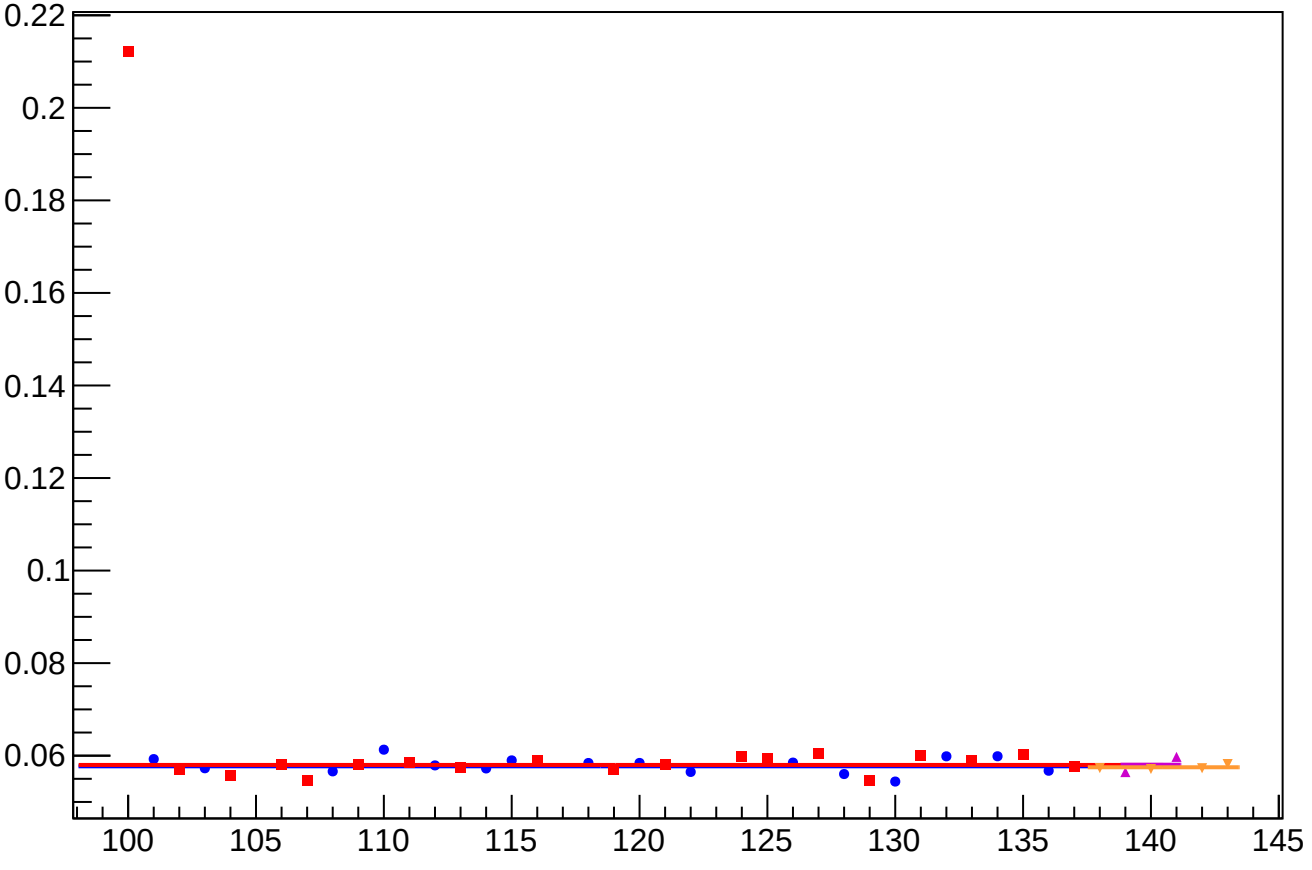
Left In: -25.374+/-0.000 χ^2/NDF:1260403.8/1

+ sign -25.349+/-0.000 χ^2/NDF: 15887604.2/19

All: -25.341+/-0.000 χ^2/NDF: 6333540199.7/

- sign -25.332+/-0.000 χ^2/NDF: 6317251024.2/20

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:318.2/3

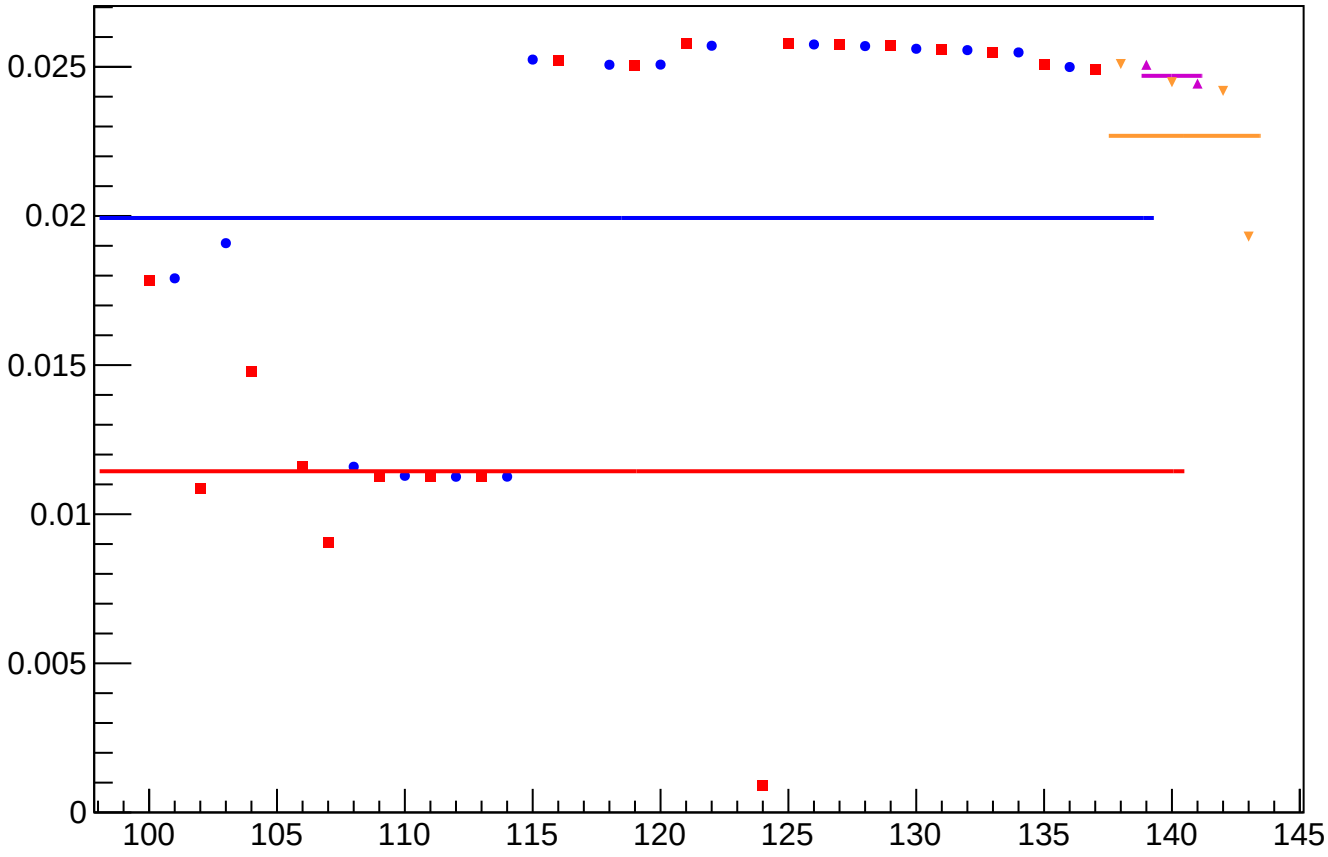
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:2665.7/1

+ sign 0.058+/-0.000 χ^2/NDF: 12132.7/19

All: 0.058+/-0.000 χ^2/NDF: 103853.3/40

- sign 0.058+/-0.000 χ^2/NDF: 91350.7/20



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.023+/-0.000 χ^2/NDF:3283544502.3/3

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

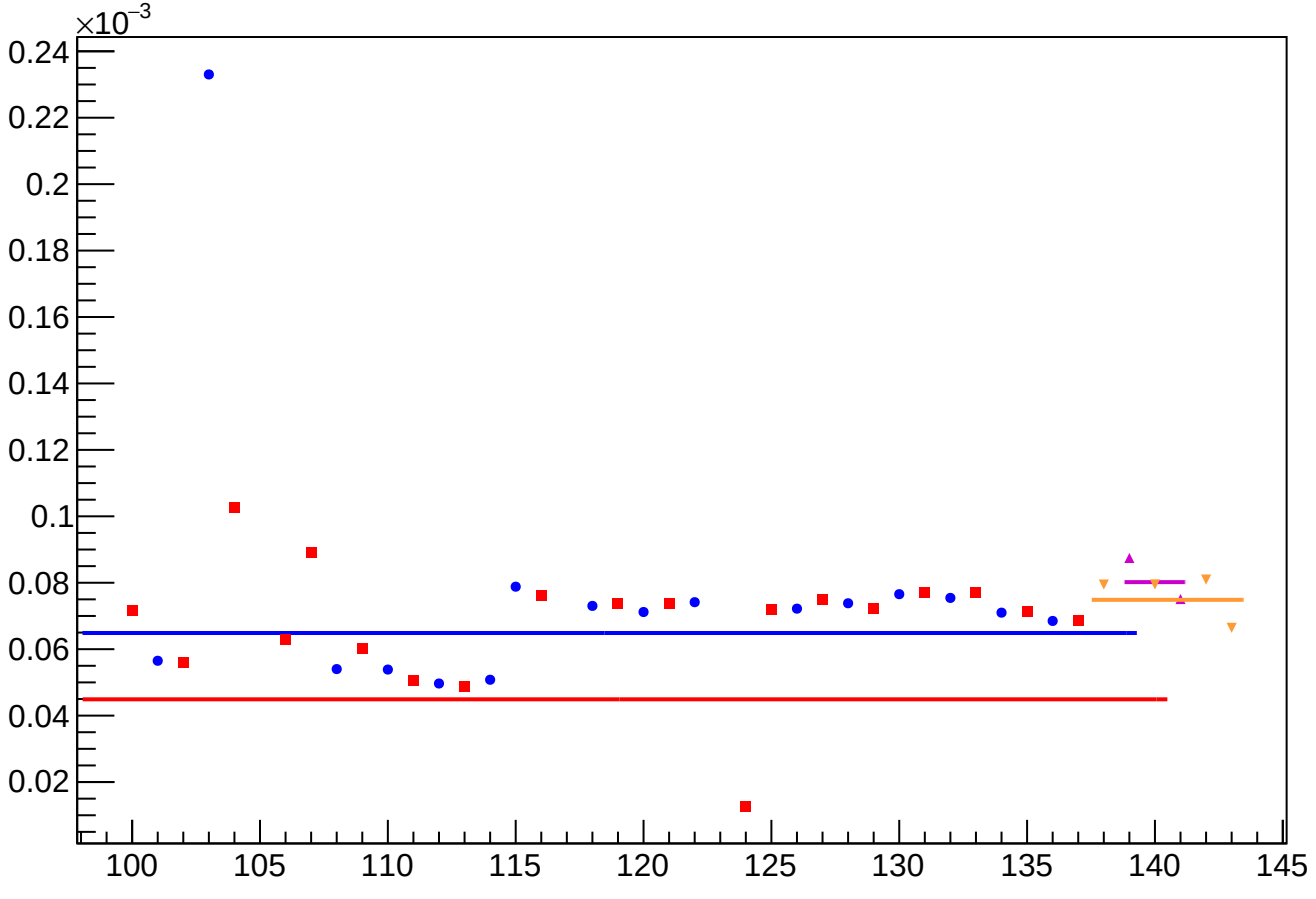
Left In: 0.025+/-0.000 χ^2/NDF:24524695.0/1

+ sign 0.021+/-0.000 χ^2/NDF: 68556565951.7/19

All: 0.016+/-0.000 χ^2/NDF: 437200210913.7

- sign 0.013+/-0.000 χ^2/NDF: 294692973088.0/20

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:40545.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

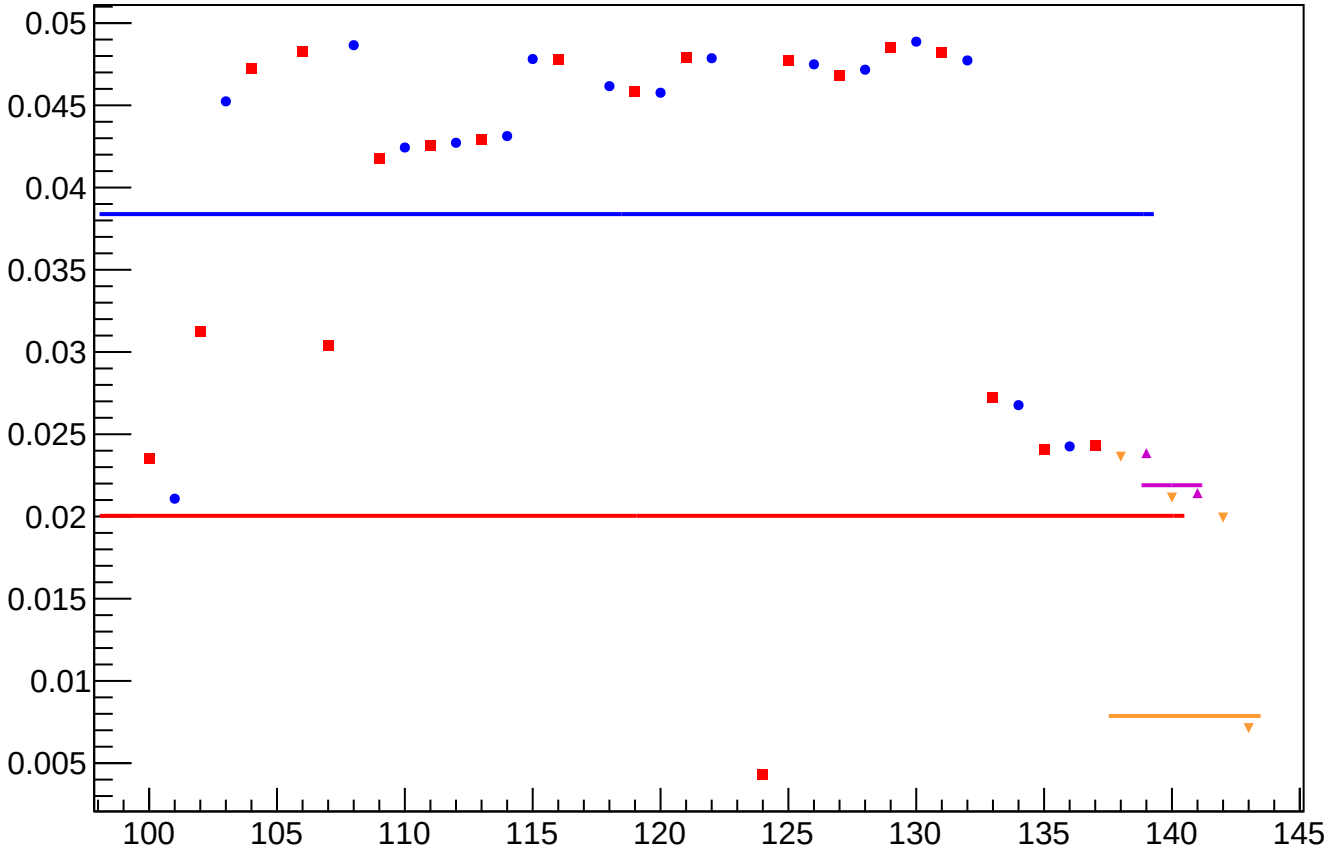
Left In: 0.000+/-0.000 χ^2/NDF:18919.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 931195.3/19

All: 0.000+/-0.000 χ^2/NDF: 6156178.0/40

- sign 0.000+/-0.000 χ^2/NDF: 4367067.6/20

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:4656424279.4/3

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

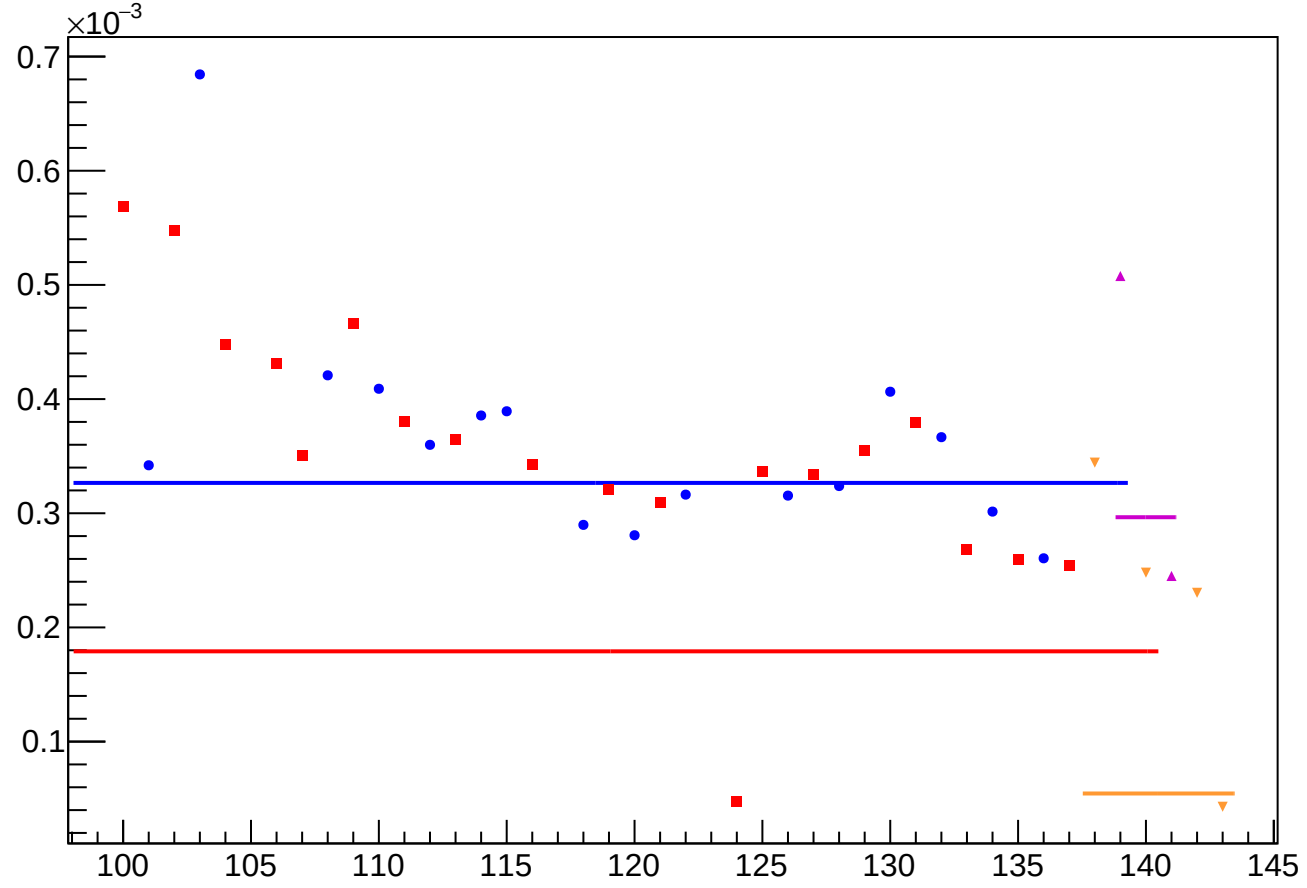
Left In: 0.022+/-0.000 χ^2/NDF:14768641.0/1

+ sign 0.011+/-0.000 χ^2/NDF: 60568122148.3/19

All: 0.013+/-0.000 χ^2/NDF: 111443136901.9

- sign 0.020+/-0.000 χ^2/NDF: 42248284154.5/20

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2356784.5/3

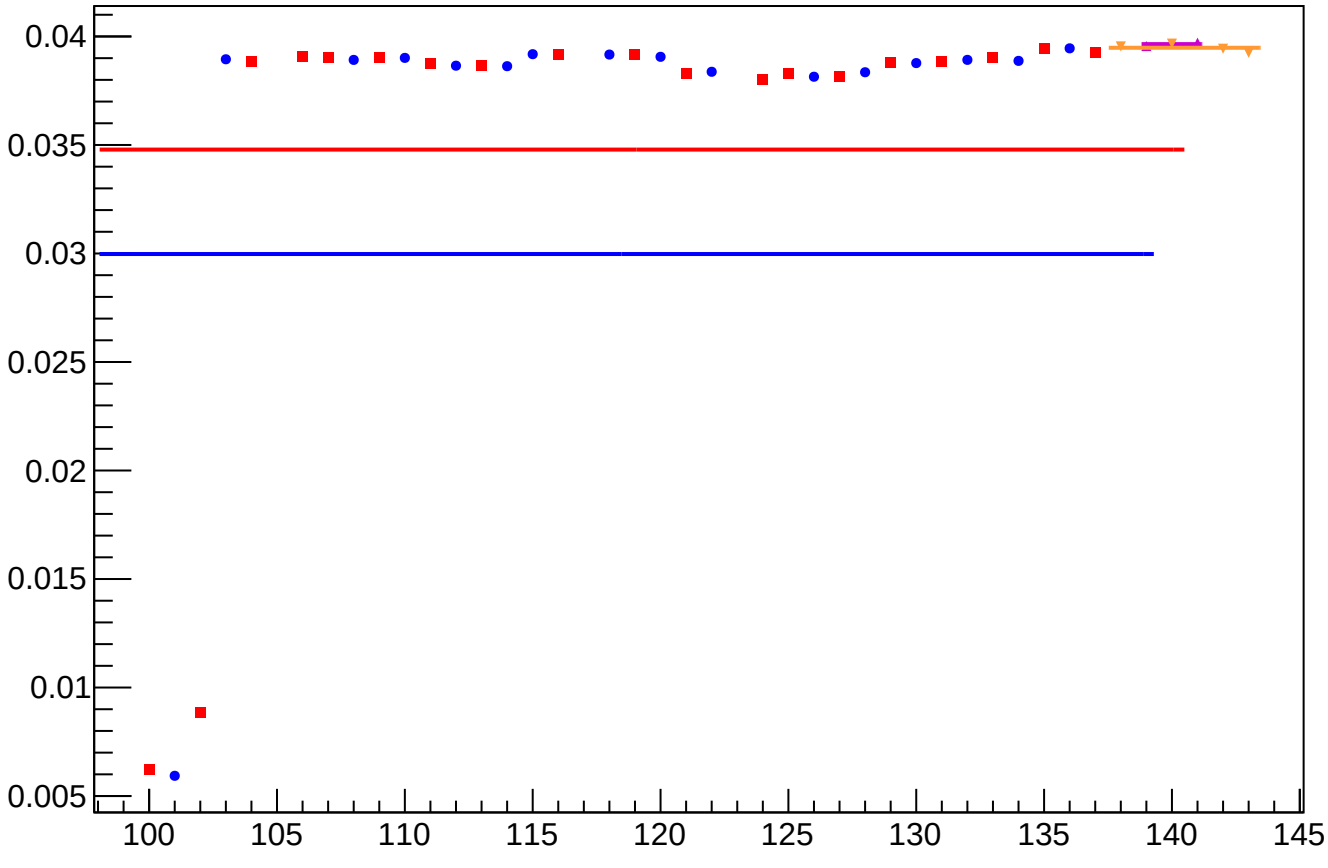
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

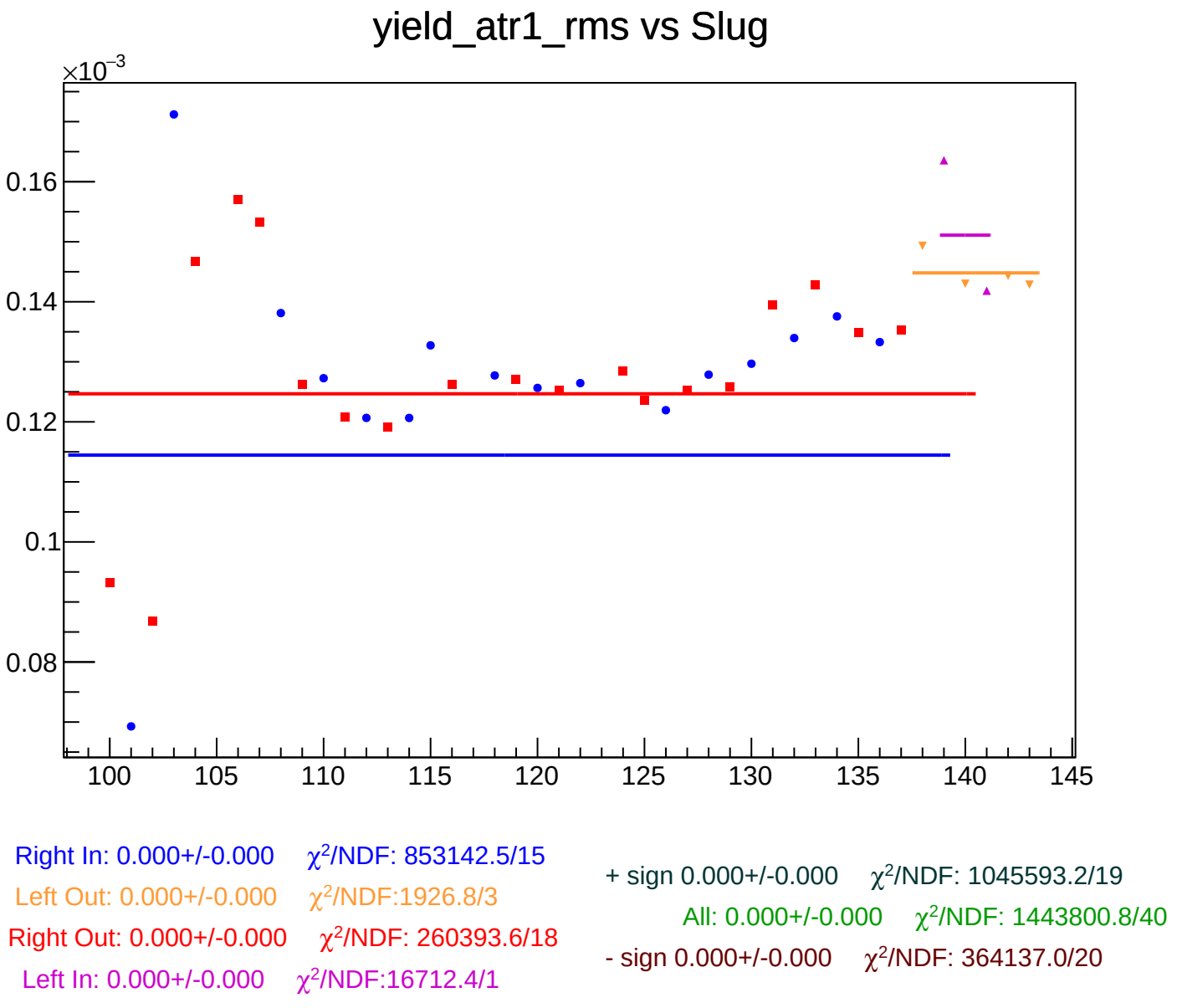
Left In: 0.000+/-0.000 χ^2/NDF:344618.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 10700879.4/19

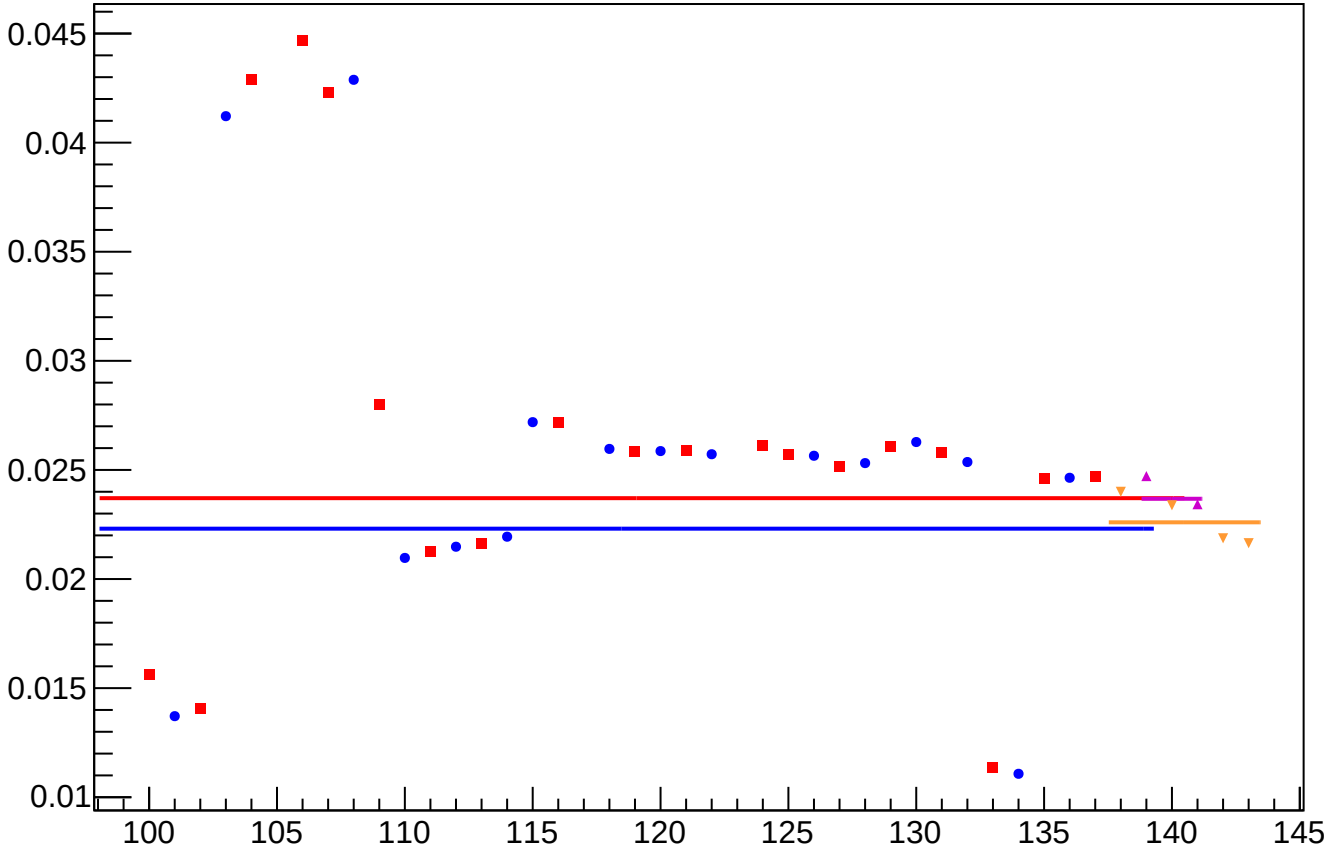
All: 0.000+/-0.000 χ^2/NDF: 19585712.4/40

- sign 0.000+/-0.000 χ^2/NDF: 6392594.0/20


yield_atr1_mean vs Slug
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: 0.030+/-0.000 χ²/NDF: 108275706275.7/15
Left Out: 0.039+/-0.000 χ²/NDF:3574090.2/3
Right Out: 0.035+/-0.000 χ²/NDF: 47263545471.6/18
Left In: 0.040+/-0.000 χ²/NDF:425389.9/1
+ sign 0.032+/-0.000 χ²/NDF: 117621186525.4/19
All: 0.034+/-0.000 χ²/NDF: 169969614949.6
- sign 0.035+/-0.000 χ²/NDF: 48736259081.4/20


yield_atr1_rms vs Slug
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1926.8/3
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:16712.4/1
+ sign 0.000+/-0.000 χ²/NDF: 1045593.2/19
All: 0.000+/-0.000 χ²/NDF: 1443800.8/40
- sign 0.000+/-0.000 χ²/NDF: 364137.0/20

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.023+/-0.000 χ^2/NDF:38320111.7/3

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

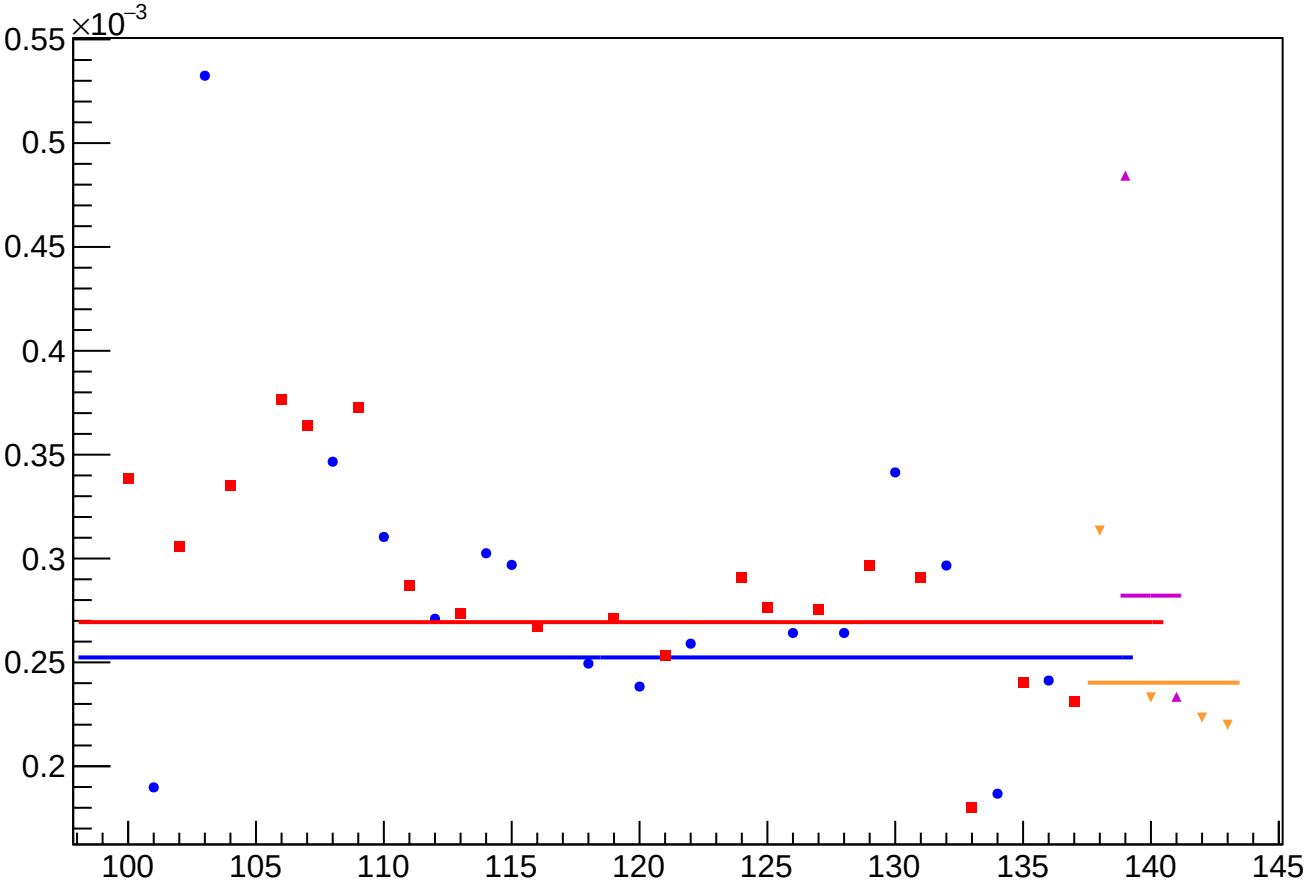
Left In: 0.024+/-0.000 χ^2/NDF:4635774.1/1

+ sign 0.022+/-0.000 χ^2/NDF: 5053266878.3/19

All: 0.023+/-0.000 χ^2/NDF: 10743231592.8/4

- sign 0.024+/-0.000 χ^2/NDF: 5586511936.0/20

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:91529.0/3

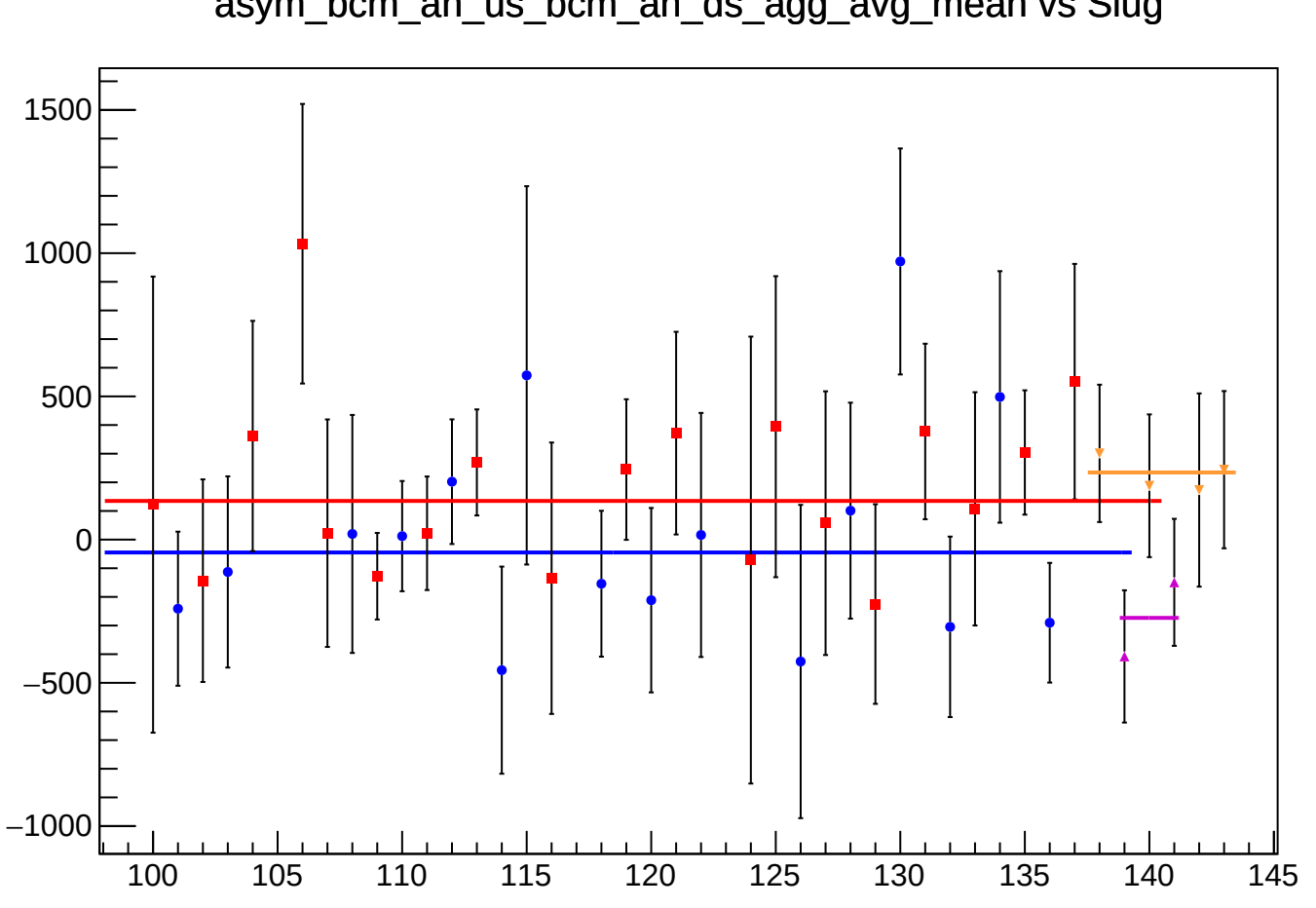
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:350994.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 807979.4/19

All: 0.000+/-0.000 χ^2/NDF: 1672614.9/40

- sign 0.000+/-0.000 χ^2/NDF: 802193.7/20



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 234.425+/-134.146 χ^2/NDF:0.1/3

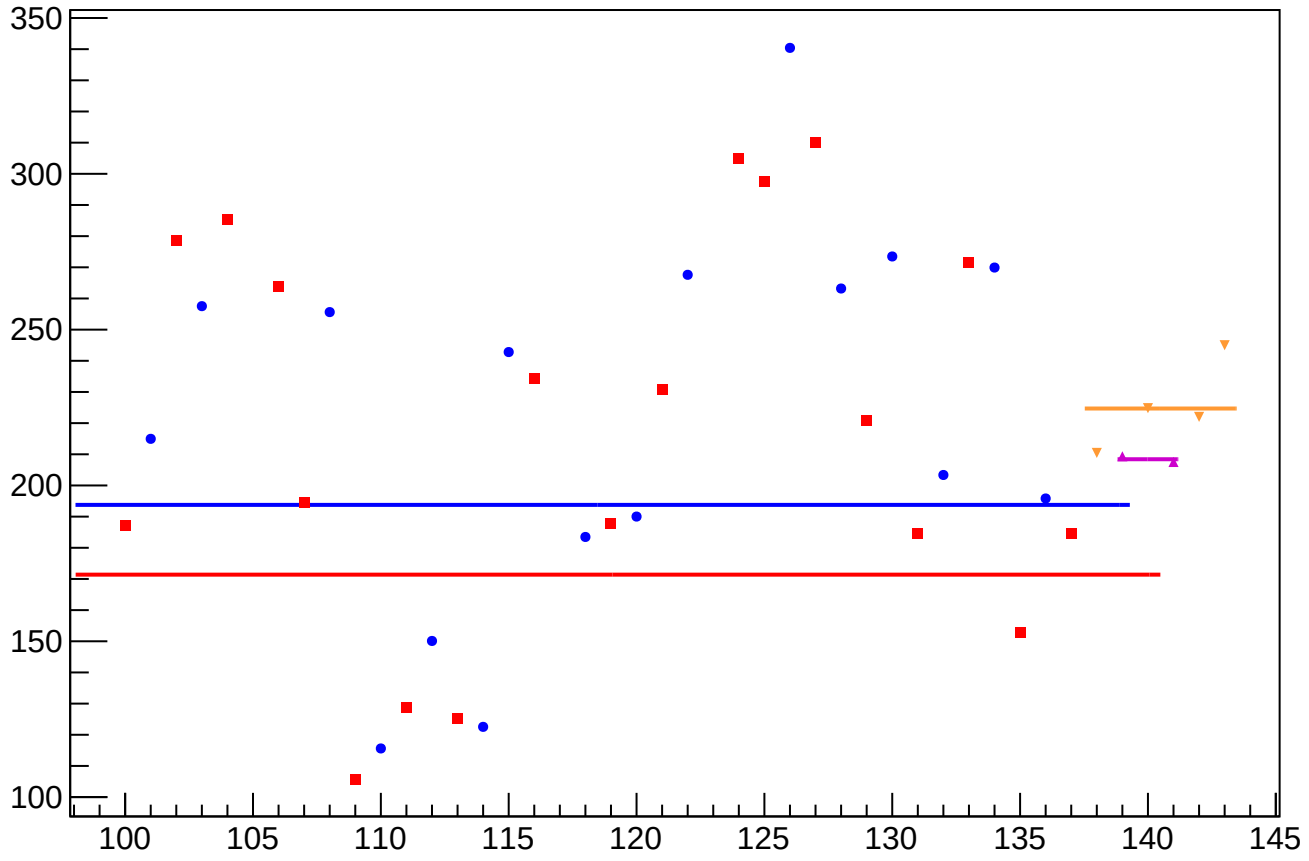
Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: -273.267+/-159.901 χ^2/NDF:0.7/1

\+ sign 23.227+/-66.255 χ^2/NDF: 18.9/19

All: 49.184+/-45.512 χ^2/NDF: 38.3/40

\- sign 72.373+/-62.625 χ^2/NDF: 19.1/20



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 224.690+/-0.095 χ^2/NDF:18141.6/3

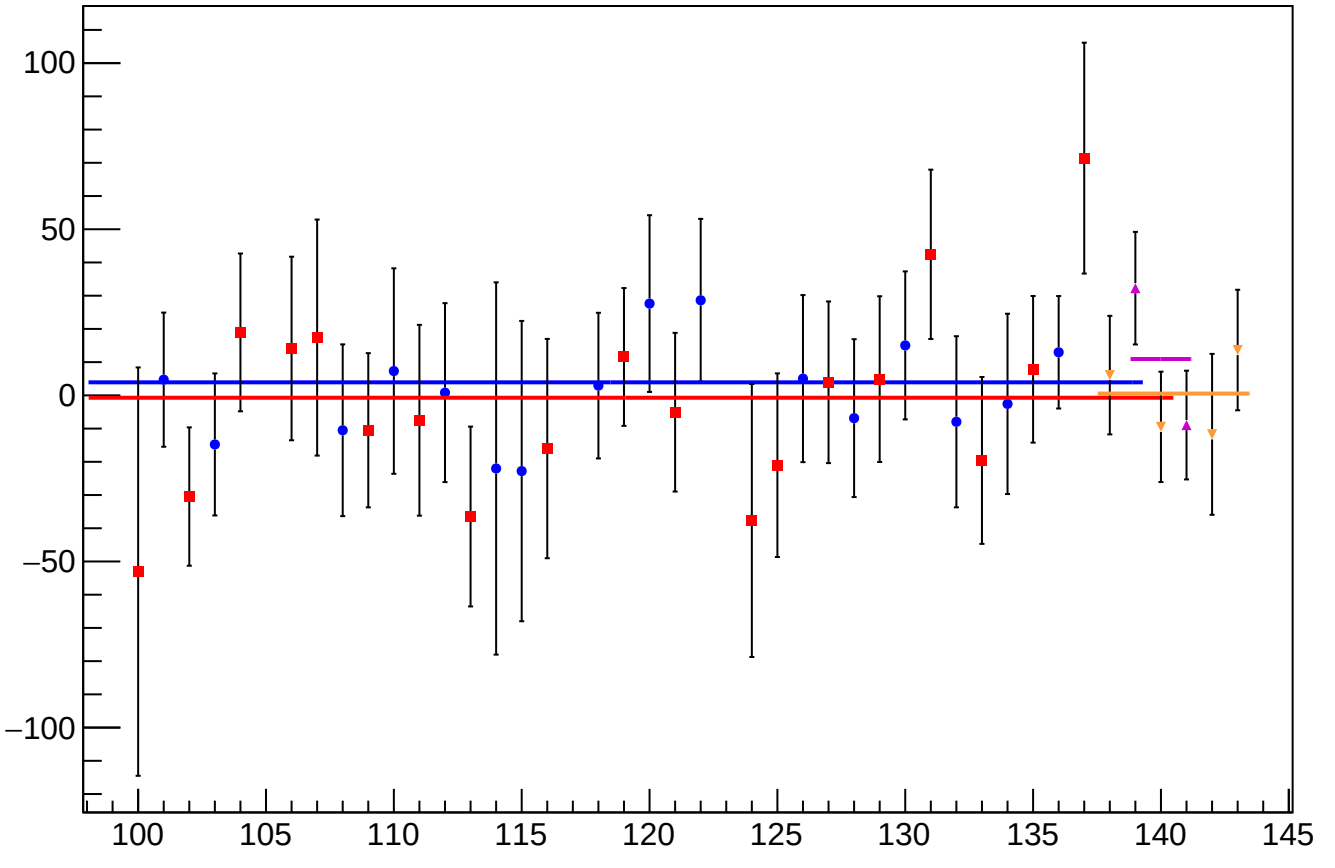
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 208.414+/-0.113 χ^2/NDF:64.8/1

+ sign 201.311+/-0.047 χ^2/NDF: 1146583.8/19

All: 188.504+/-0.032 χ^2/NDF: 3037036.2/40

- sign 177.062+/-0.044 χ^2/NDF: 1748963.1/20



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.541+/-9.321 χ^2/NDF:1.2/3

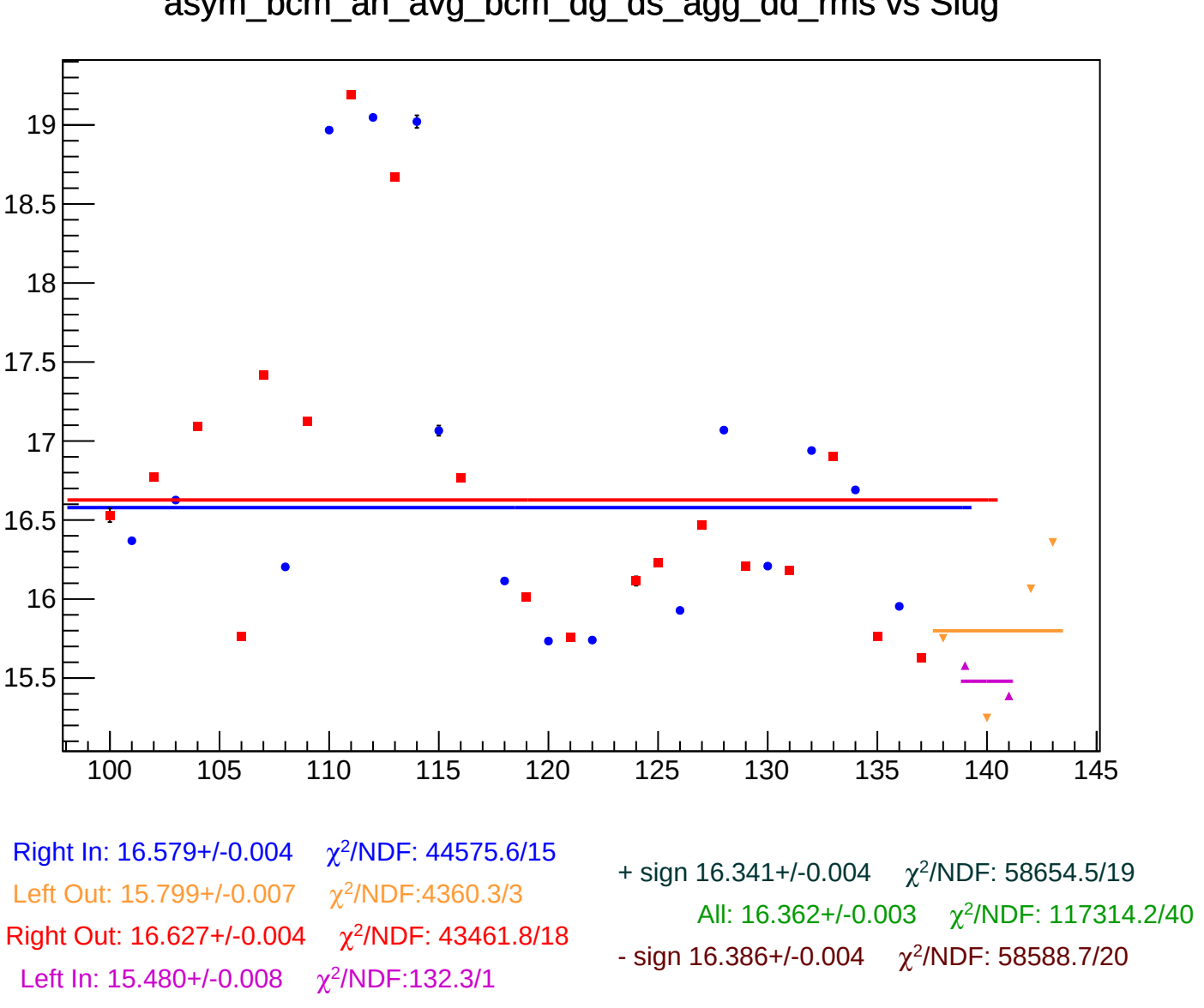
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

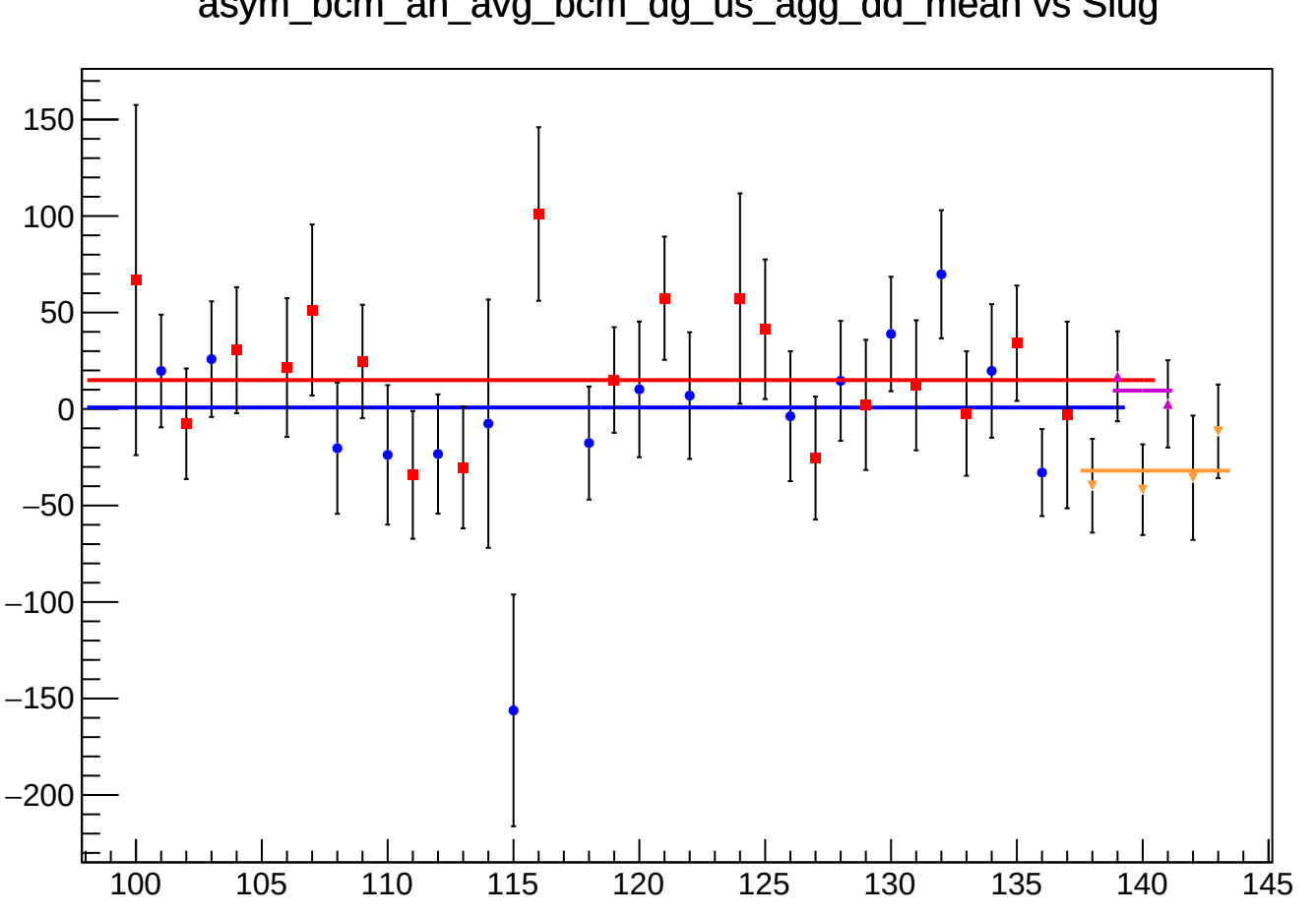
Left In: 10.943+/-11.772 χ^2/NDF:3.1/1

+ sign 2.892+/-5.146 χ^2/NDF: 5.8/19

All: 2.343+/-3.725 χ^2/NDF: 25.6/40

- sign 1.739+/-5.400 χ^2/NDF: 19.7/20


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18.5
18
17.5
17
16.5
16
15.5
100
105
110
115
120
125
130
135
140
145
Right In: 16.579+/-0.004 χ²/NDF: 44575.6/15
Left Out: 15.799+/-0.007 χ²/NDF:4360.3/3
Right Out: 16.627+/-0.004 χ²/NDF: 43461.8/18
Left In: 15.480+/-0.008 χ²/NDF:132.3/1
+ sign 16.341+/-0.004 χ²/NDF: 58654.5/19
All: 16.362+/-0.003 χ²/NDF: 117314.2/40
- sign 16.386+/-0.004 χ²/NDF: 58588.7/20



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -31.926+/-12.735 χ^2/NDF:1.0/3

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

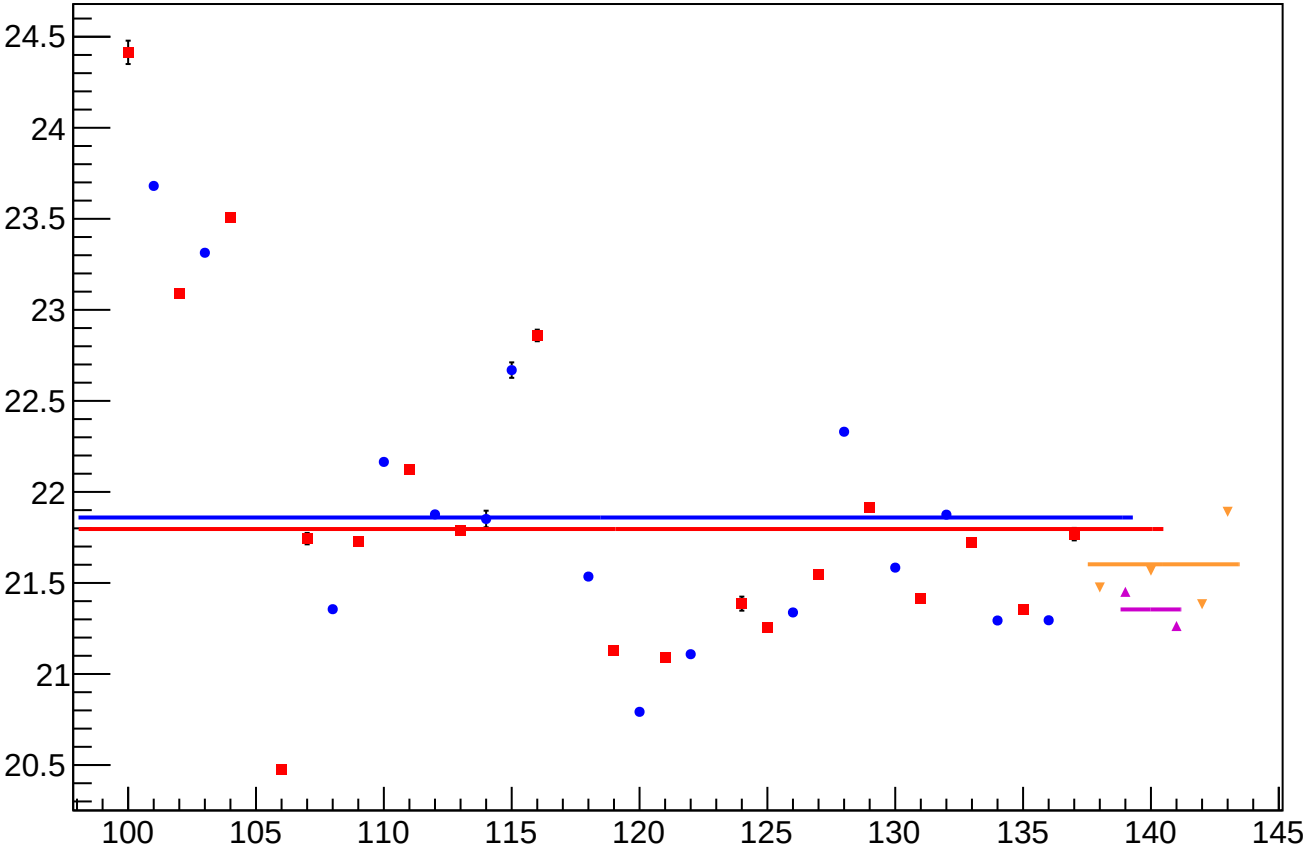
Left In: 9.583+/-16.231 χ^2/NDF:0.2/1

\+ sign -8.674+/-6.849 χ^2/NDF: 24.3/19

All: 2.158+/-4.944 χ^2/NDF: 45.2/40

\- sign 13.936+/-7.142 χ^2/NDF: 15.7/20

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: 21.602+/-0.009 χ^2/NDF:434.5/3

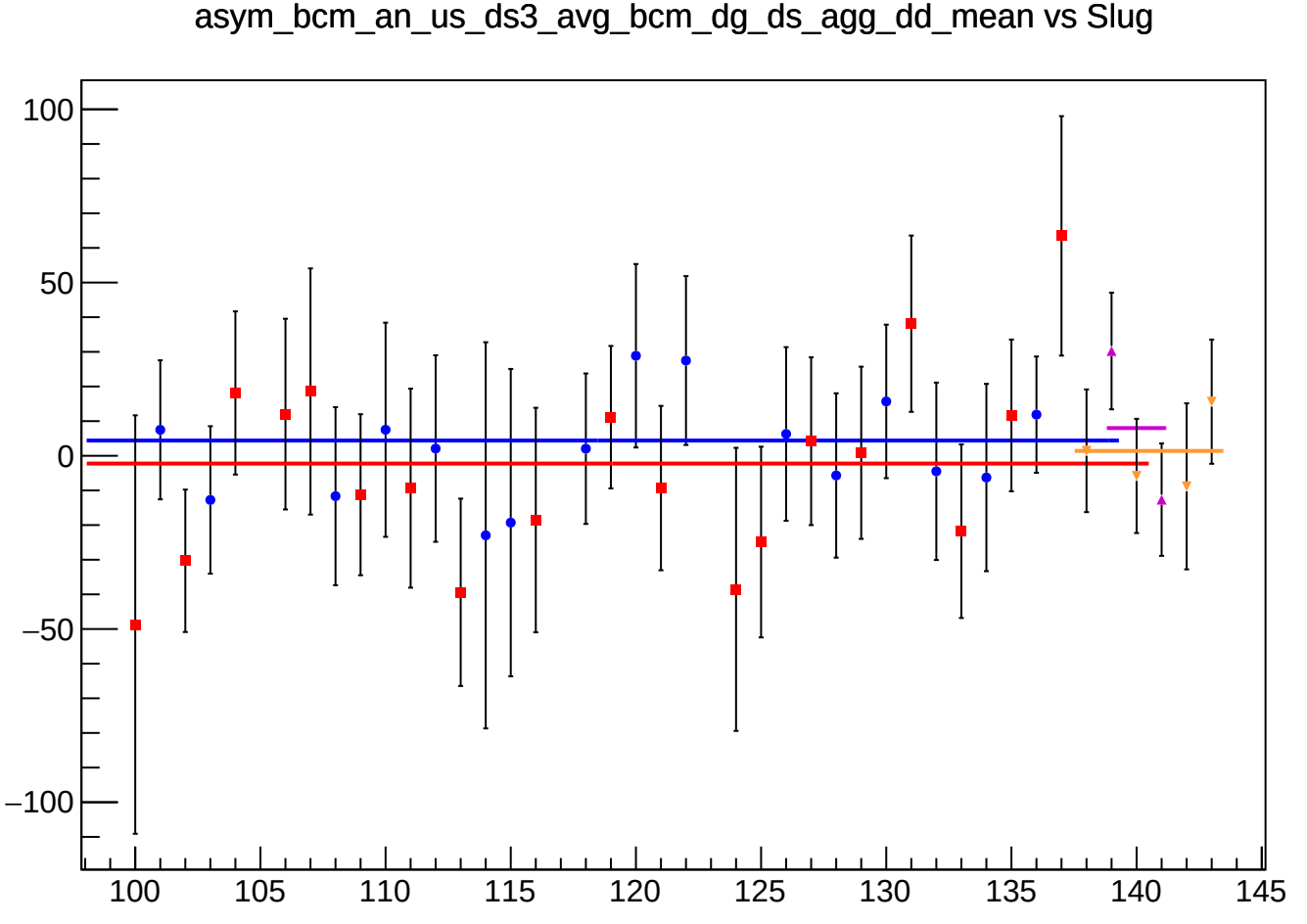
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.355+/-0.011 χ^2/NDF:66.9/1

+ sign 21.785+/-0.005 χ^2/NDF: 20481.9/19

All: 21.749+/-0.003 χ^2/NDF: 40717.6/40

- sign 21.711+/-0.005 χ^2/NDF: 20122.5/20



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 1.405+/-9.235 χ^2/NDF:1.0/3

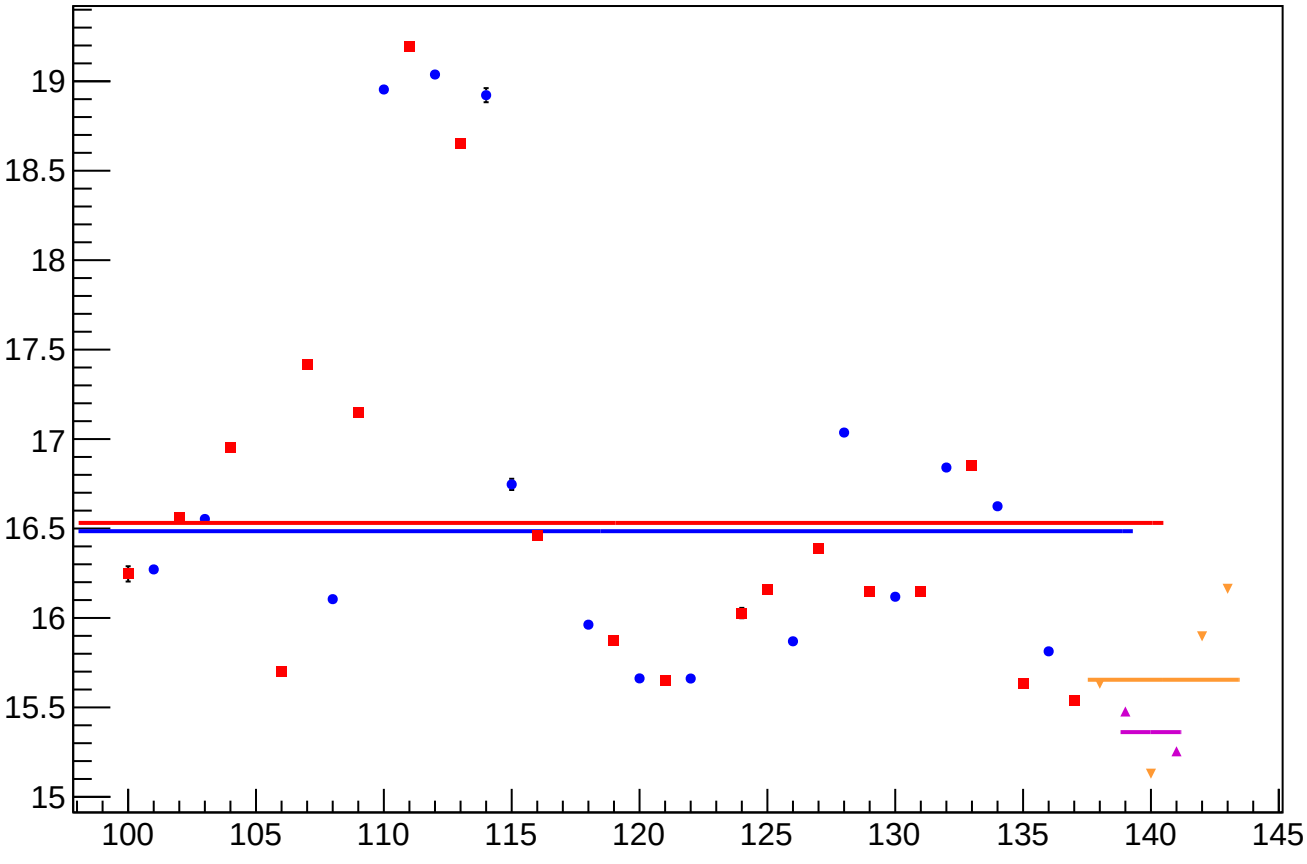
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 7.998+/-11.682 χ^2/NDF:3.4/1

+ sign 3.485+/-5.111 χ^2/NDF: 5.4/19

All: 1.789+/-3.701 χ^2/NDF: 25.0/40

- sign -0.082+/-5.367 χ^2/NDF: 19.4/20



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.655+/-0.007 χ^2/NDF:3847.8/3

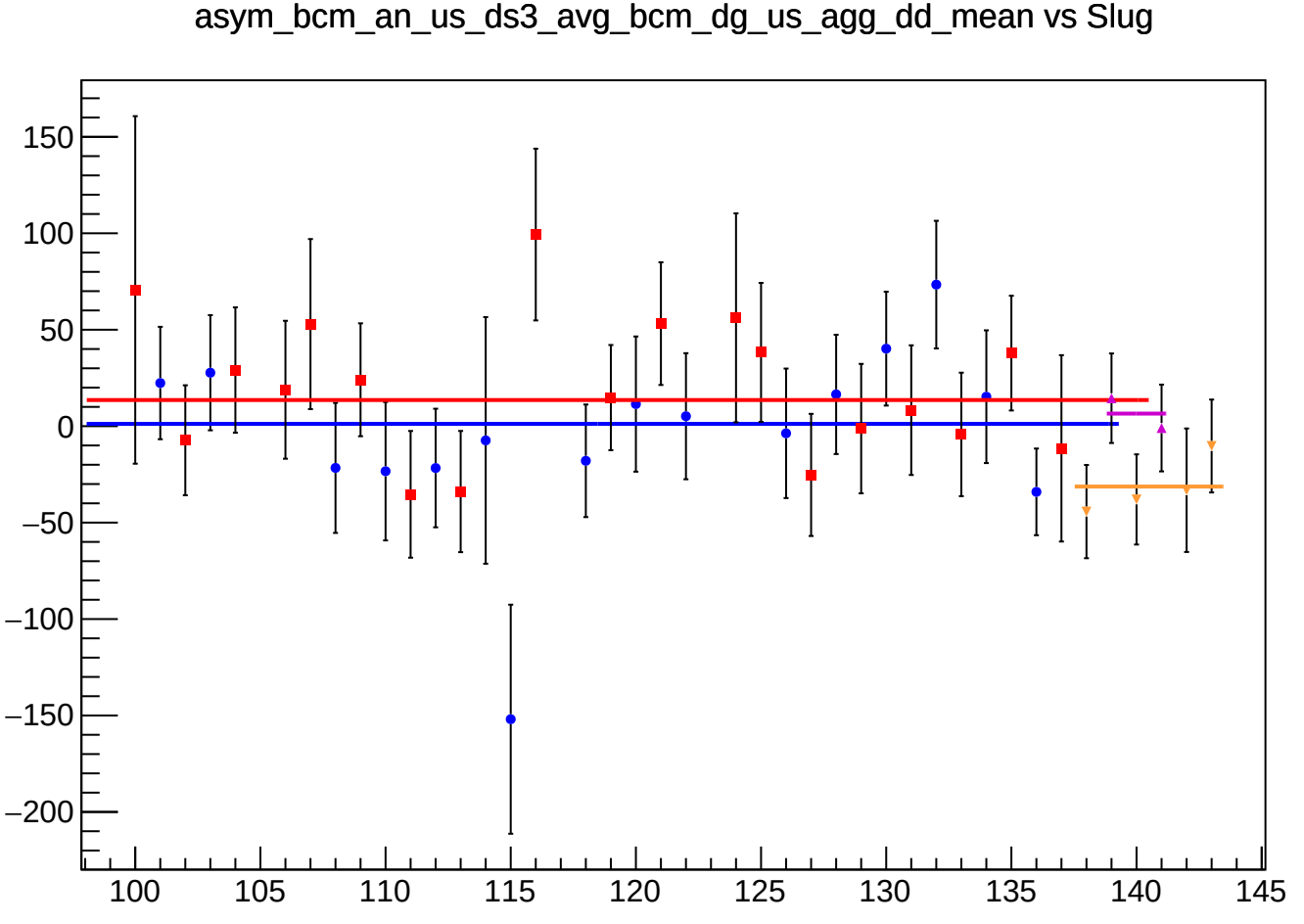
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.362+/-0.008 χ^2/NDF:181.1/1

+ sign 16.231+/-0.004 χ^2/NDF: 62253.1/19

All: 16.256+/-0.003 χ^2/NDF: 124823.0/40

- sign 16.284+/-0.004 χ^2/NDF: 62464.5/20



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -31.308+/-12.657 χ^2/NDF:1.1/3

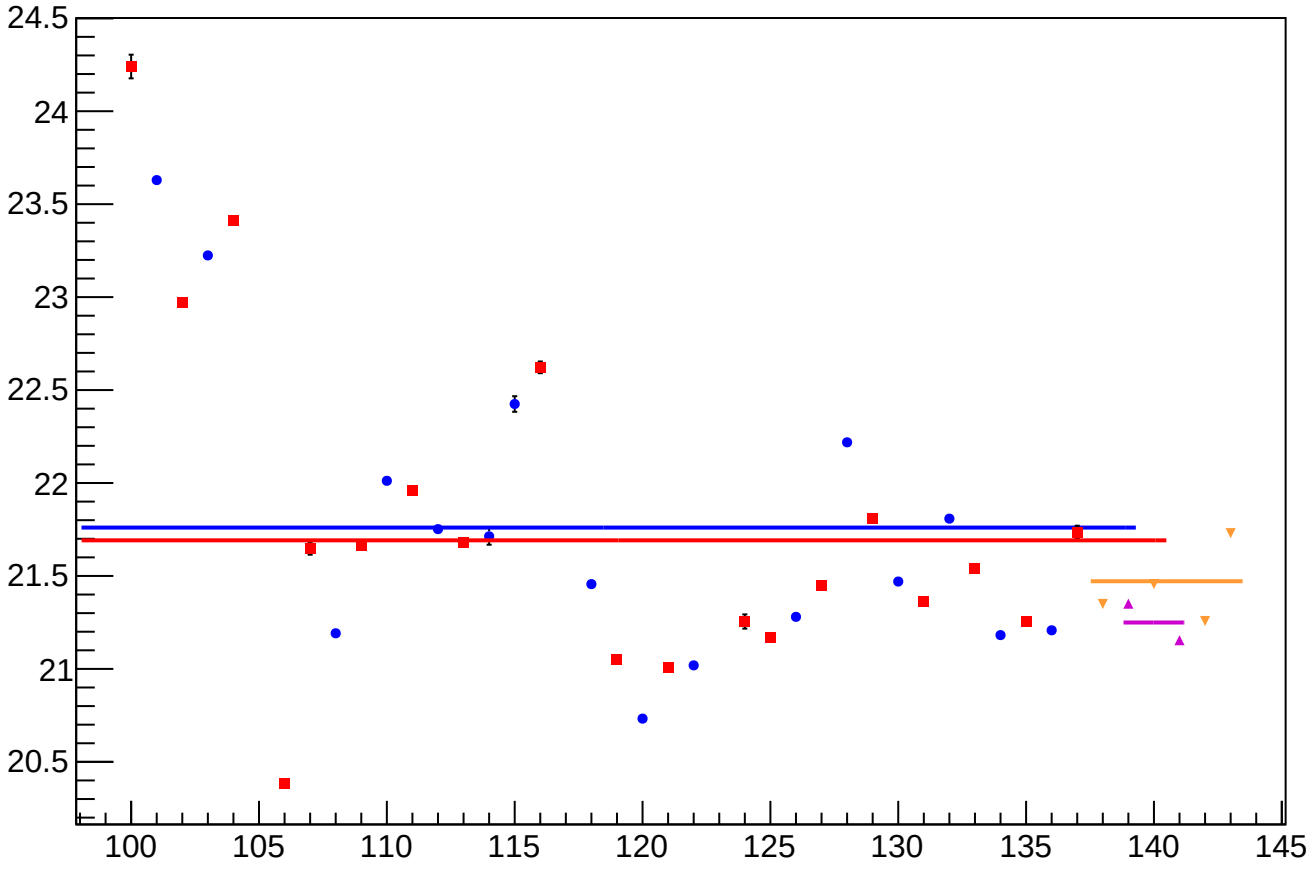
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 6.524+/-16.152 χ^2/NDF:0.2/1

\+ sign -8.236+/-6.815 χ^2/NDF: 25.2/19

All: 1.548+/-4.919 χ^2/NDF: 45.8/40

\- sign 12.189+/-7.107 χ^2/NDF: 16.3/20



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.472+/-0.009 χ^2/NDF:371.8/3

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

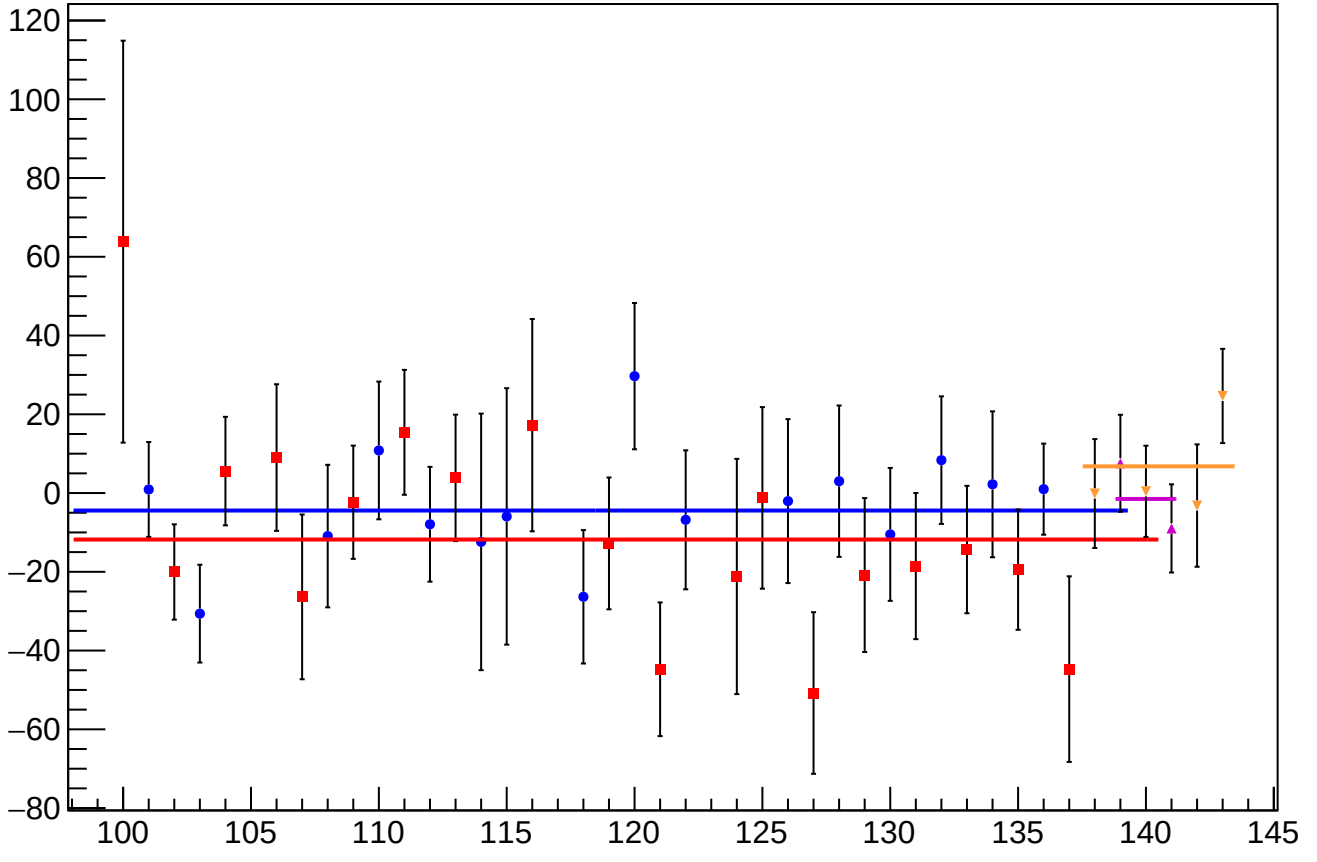
Left In: 21.250+/-0.011 χ^2/NDF:74.0/1

+ sign 21.677+/-0.005 χ^2/NDF: 20856.3/19

All: 21.643+/-0.003 χ^2/NDF: 40571.6/40

- sign 21.606+/-0.005 χ^2/NDF: 19612.6/20

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: 6.788+/-6.479 χ^2/NDF:3.2/3

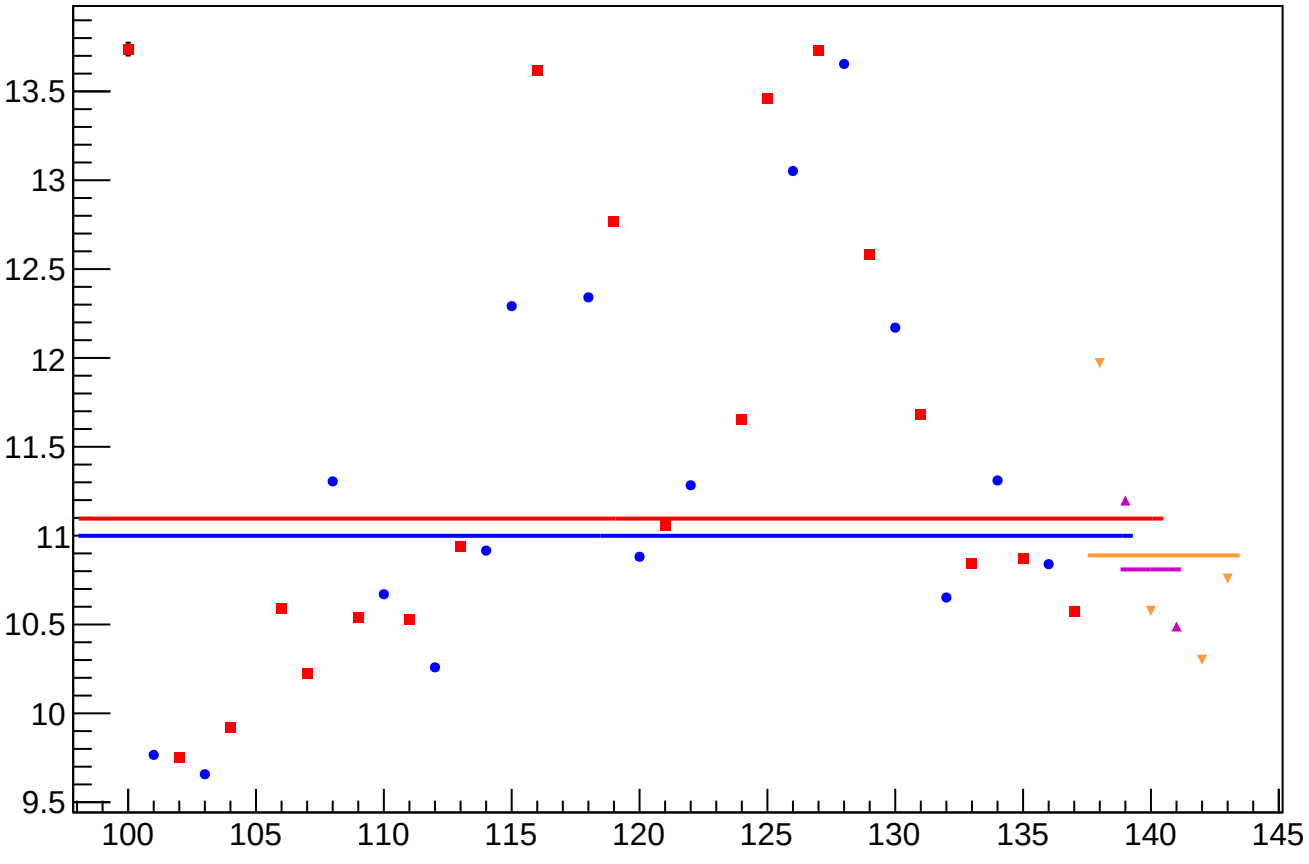
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.496+/-8.286 χ^2/NDF:1.0/1

+ sign -1.195+/-3.483 χ^2/NDF: 17.3/19

All: -5.260+/-2.527 χ^2/NDF: 44.2/40

- sign -9.781+/-3.673 χ^2/NDF: 24.0/20



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.889+/-0.005 χ^2/NDF:16804.9/3

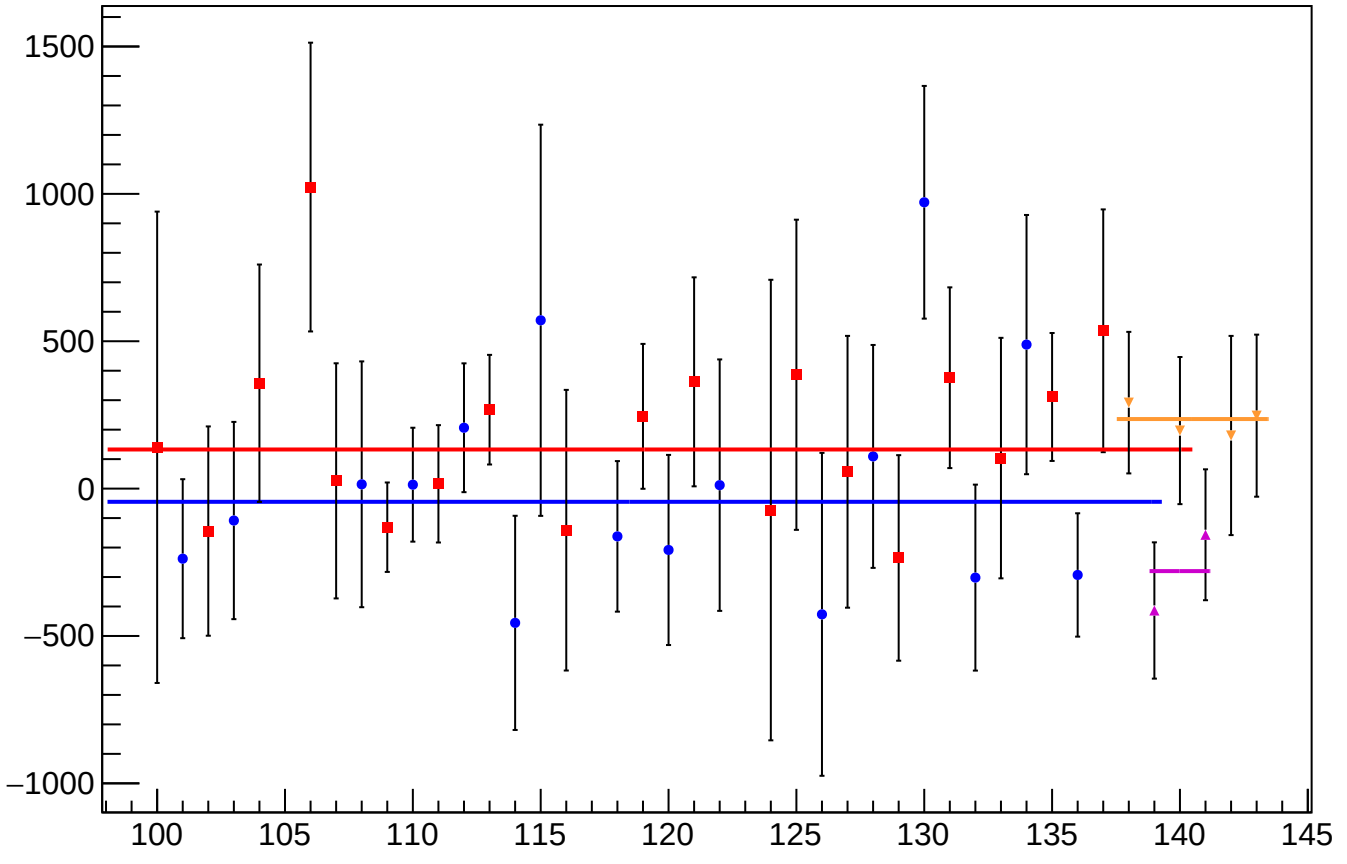
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.810+/-0.006 χ^2/NDF:3622.0/1

+ sign 10.967+/-0.002 χ^2/NDF: 153377.3/19

All: 11.002+/-0.002 χ^2/NDF: 322235.1/40

- sign 11.040+/-0.003 χ^2/NDF: 168446.1/20



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 236.018+/-134.378 χ^2/NDF:0.1/3

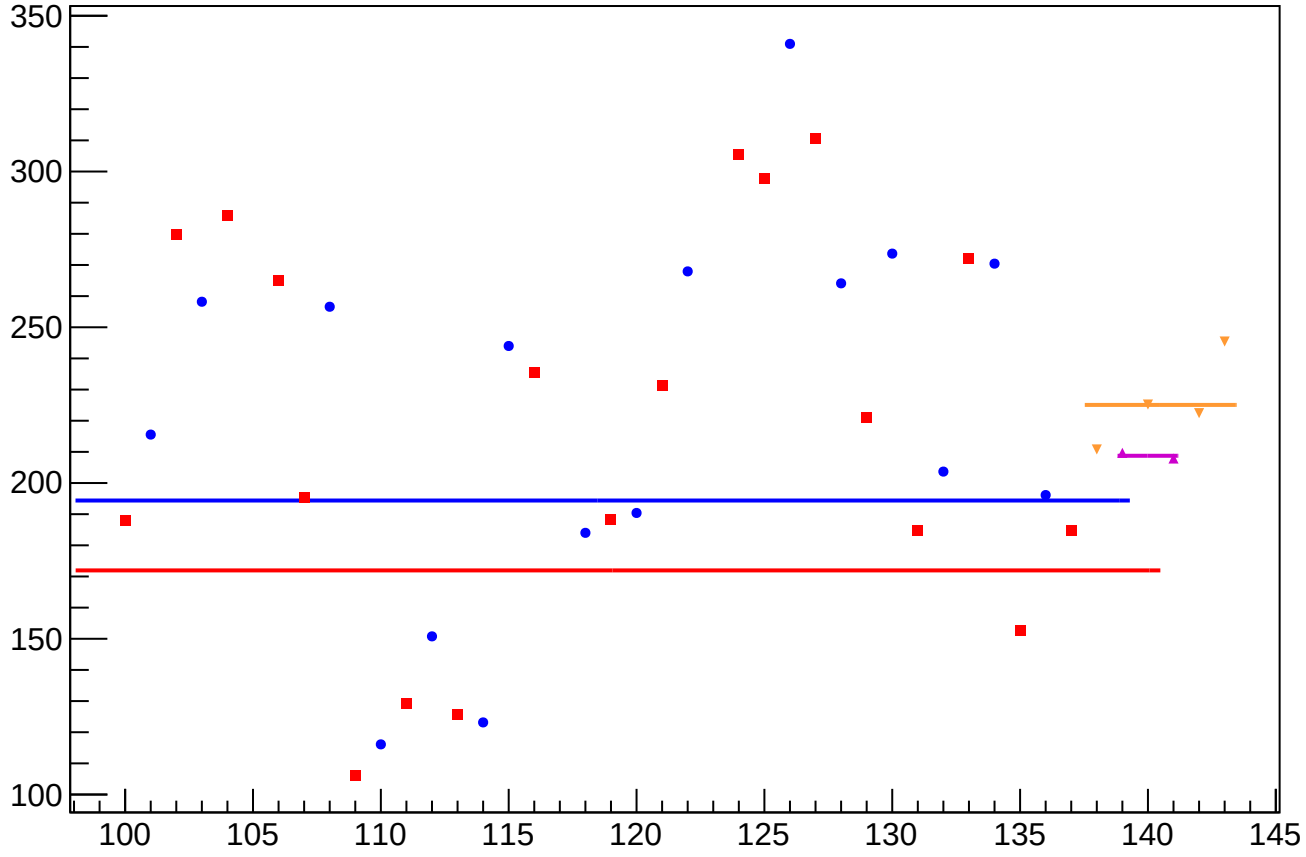
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -279.905+/-160.159 χ^2/NDF:0.6/1

\+ sign 23.833+/-66.432 χ^2/NDF: 18.8/19

All: 47.833+/-45.637 χ^2/NDF: 38.2/40

\- sign 69.283+/-62.802 χ^2/NDF: 19.1/20



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 225.077+/-0.095 χ^2/NDF:18167.5/3

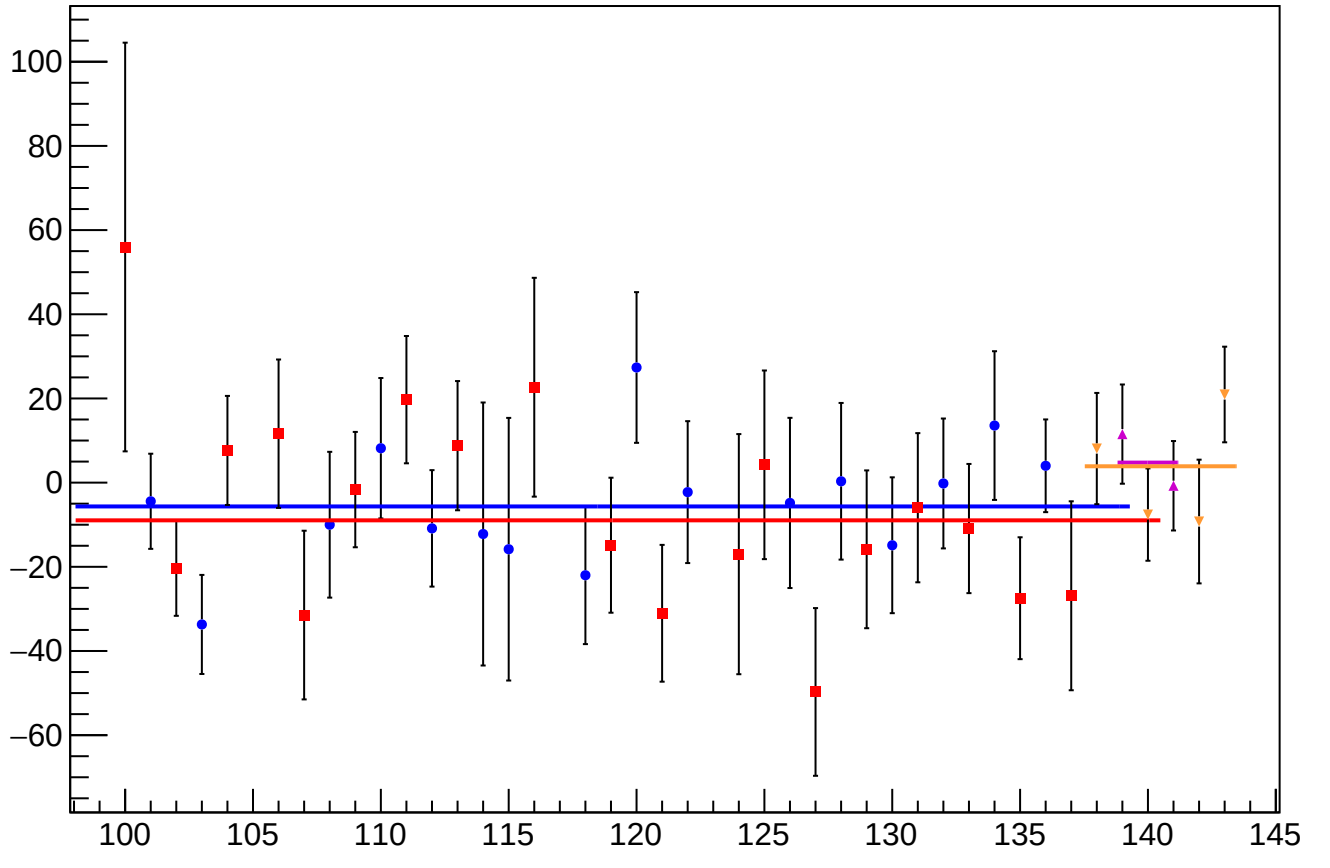
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 208.750+/-0.113 χ^2/NDF:65.1/1

+ sign 201.886+/-0.047 χ^2/NDF: 1139027.4/19

All: 189.065+/-0.032 χ^2/NDF: 3020860.4/40

- sign 177.607+/-0.044 χ^2/NDF: 1740767.9/20



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 3.886+/-6.152 χ^2/NDF:4.2/3

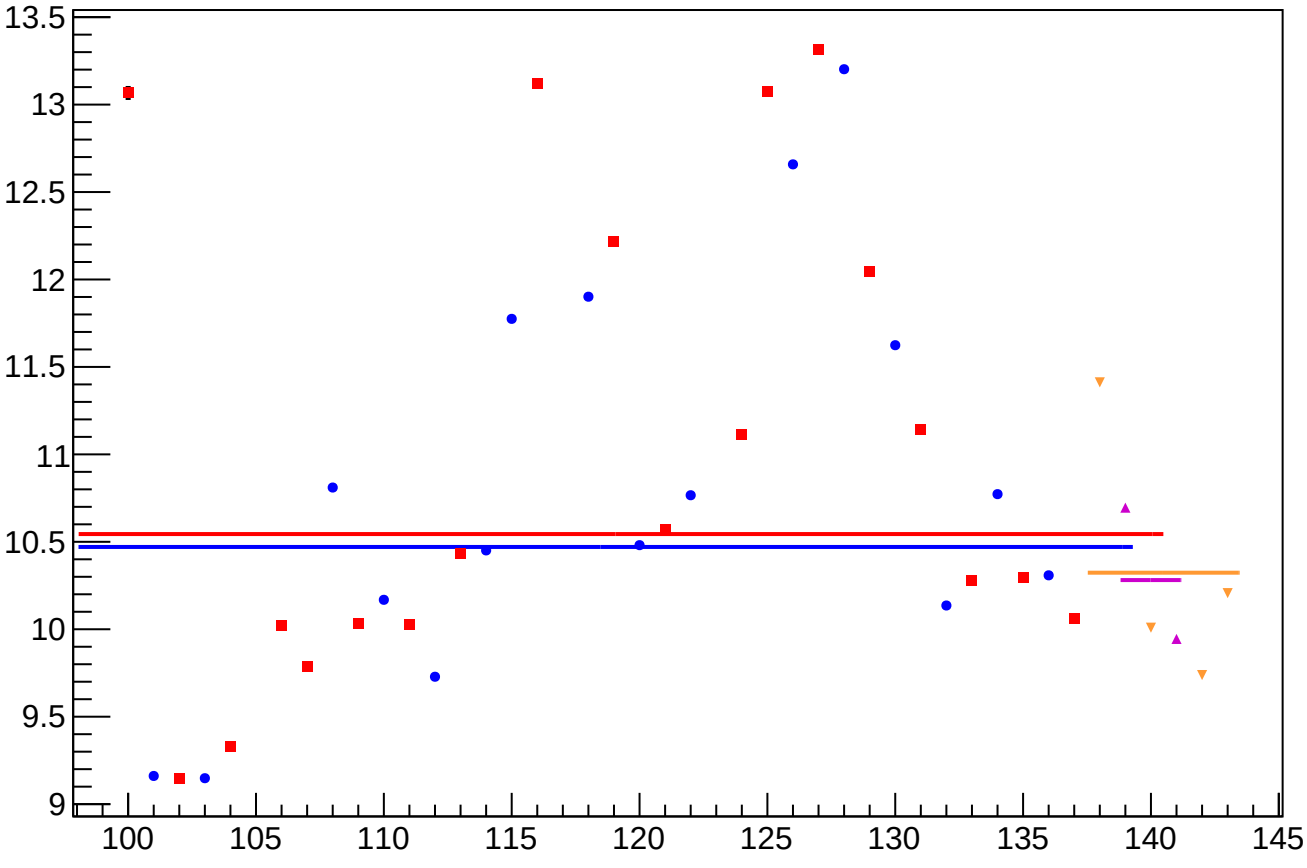
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 4.757+/-7.892 χ^2/NDF:0.6/1

\+ sign -2.883+/-3.317 χ^2/NDF: 19.6/19

All: -4.486+/-2.407 χ^2/NDF: 45.9/40

\- sign -6.267+/-3.497 χ^2/NDF: 25.8/20



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.323+/-0.004 χ^2/NDF:18594.2/3

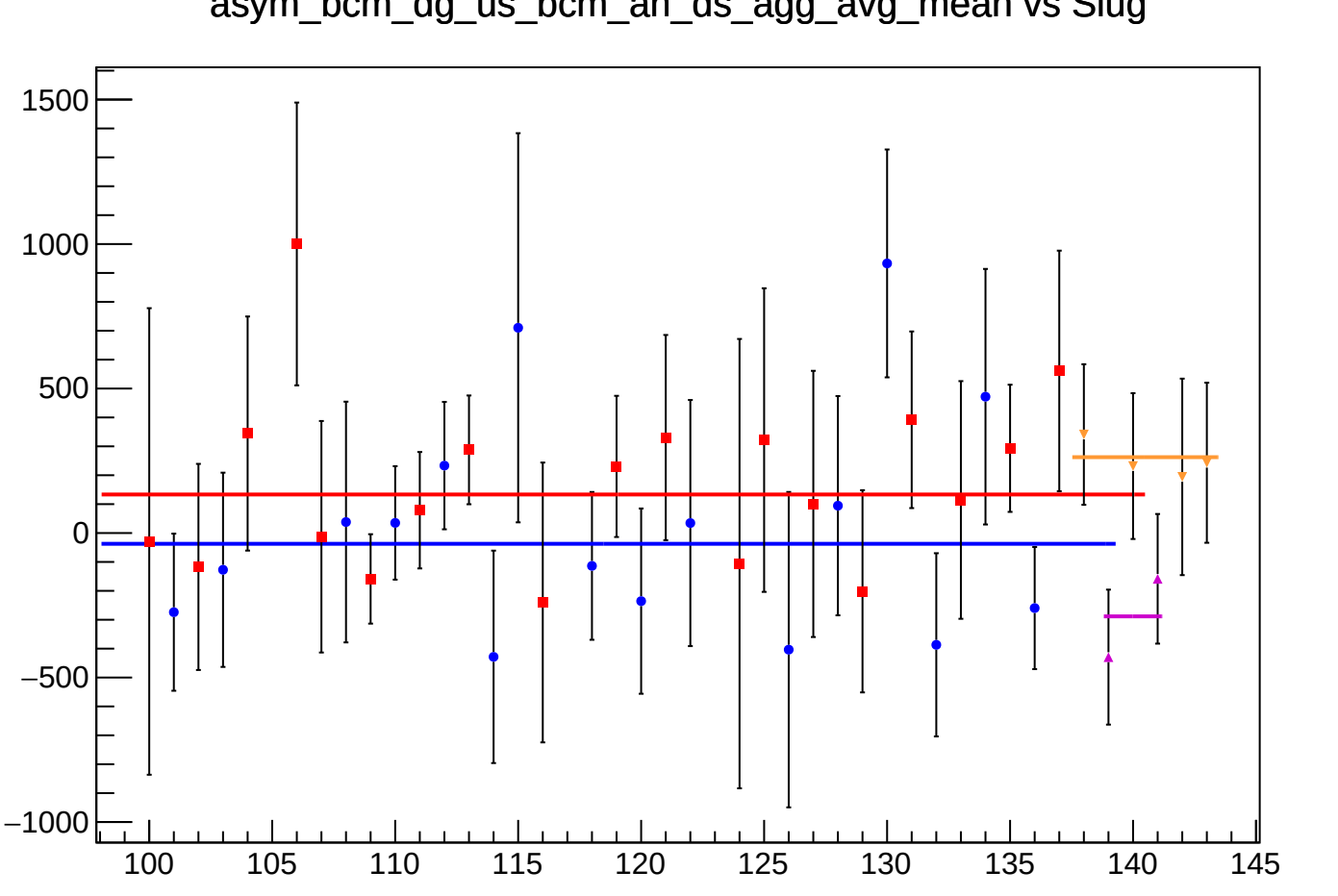
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.281+/-0.006 χ^2/NDF:4473.6/1

+ sign 10.428+/-0.002 χ^2/NDF: 176771.2/19

All: 10.459+/-0.002 χ^2/NDF: 370174.3/40

- sign 10.493+/-0.002 χ^2/NDF: 193040.7/20



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 262.497+/-135.702 χ^2/NDF:0.2/3

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

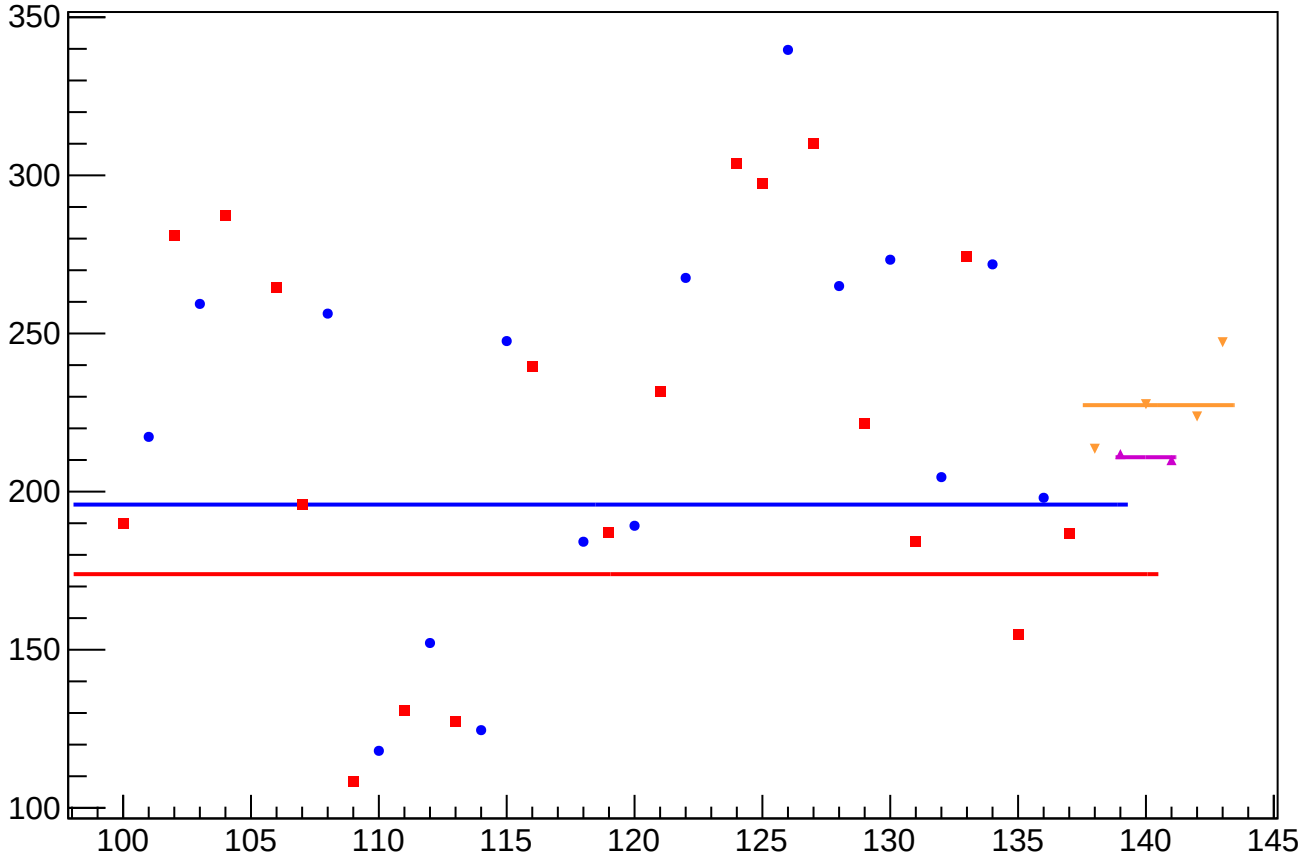
Left In: -288.365+/-161.769 χ^2/NDF:0.7/1

\+ sign 35.639+/-66.914 χ^2/NDF: 19.5/19

All: 53.039+/-46.015 χ^2/NDF: 39.0/40

\- sign 68.649+/-63.378 χ^2/NDF: 19.4/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 227.340+/-0.096 χ^2/NDF:16962.9/3

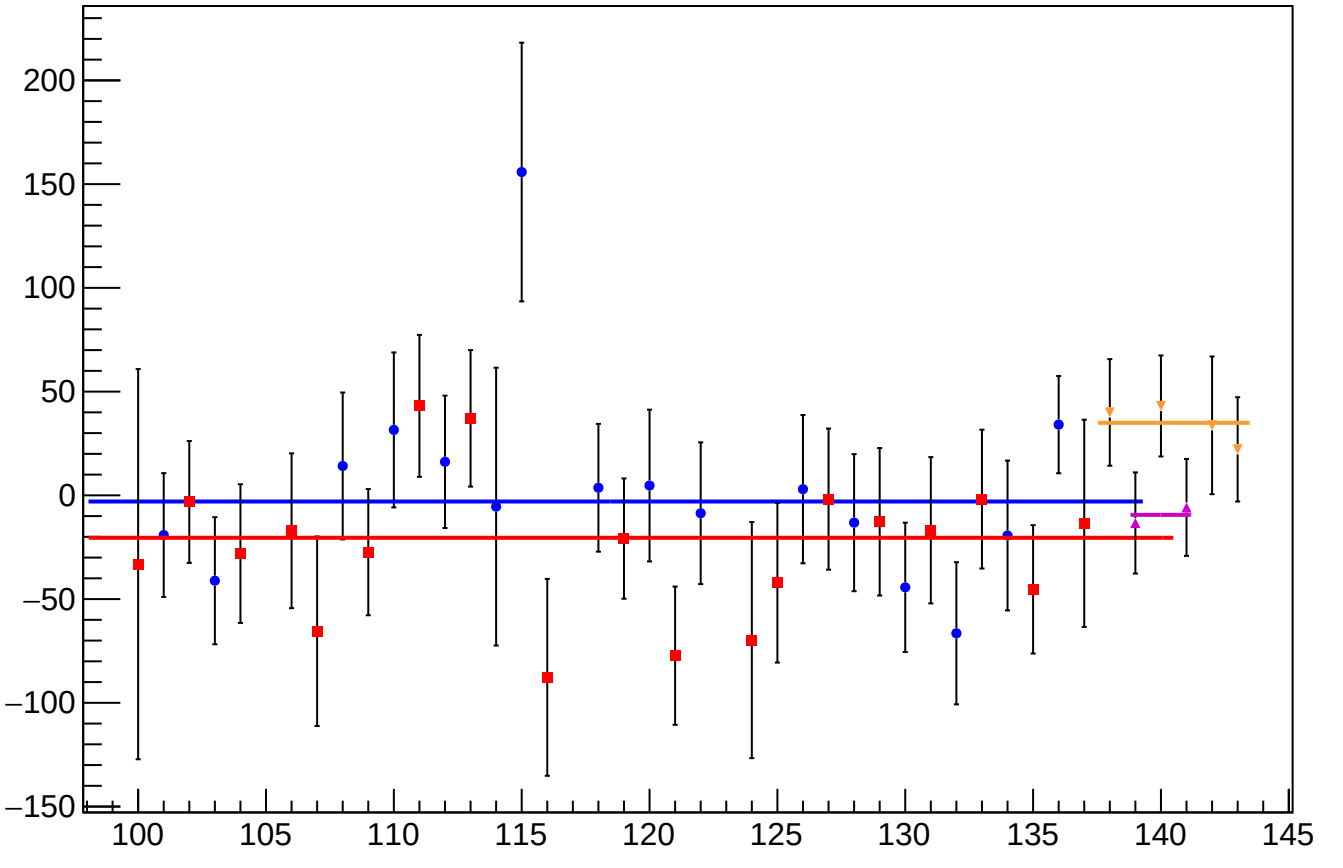
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 210.877+/-0.114 χ^2/NDF:69.6/1

+ sign 203.544+/-0.047 χ^2/NDF: 1109231.4/19

All: 190.911+/-0.033 χ^2/NDF: 2932609.1/40

- sign 179.577+/-0.045 χ^2/NDF: 1688127.2/20



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 34.951+/-13.253 χ^2/NDF:0.4/3

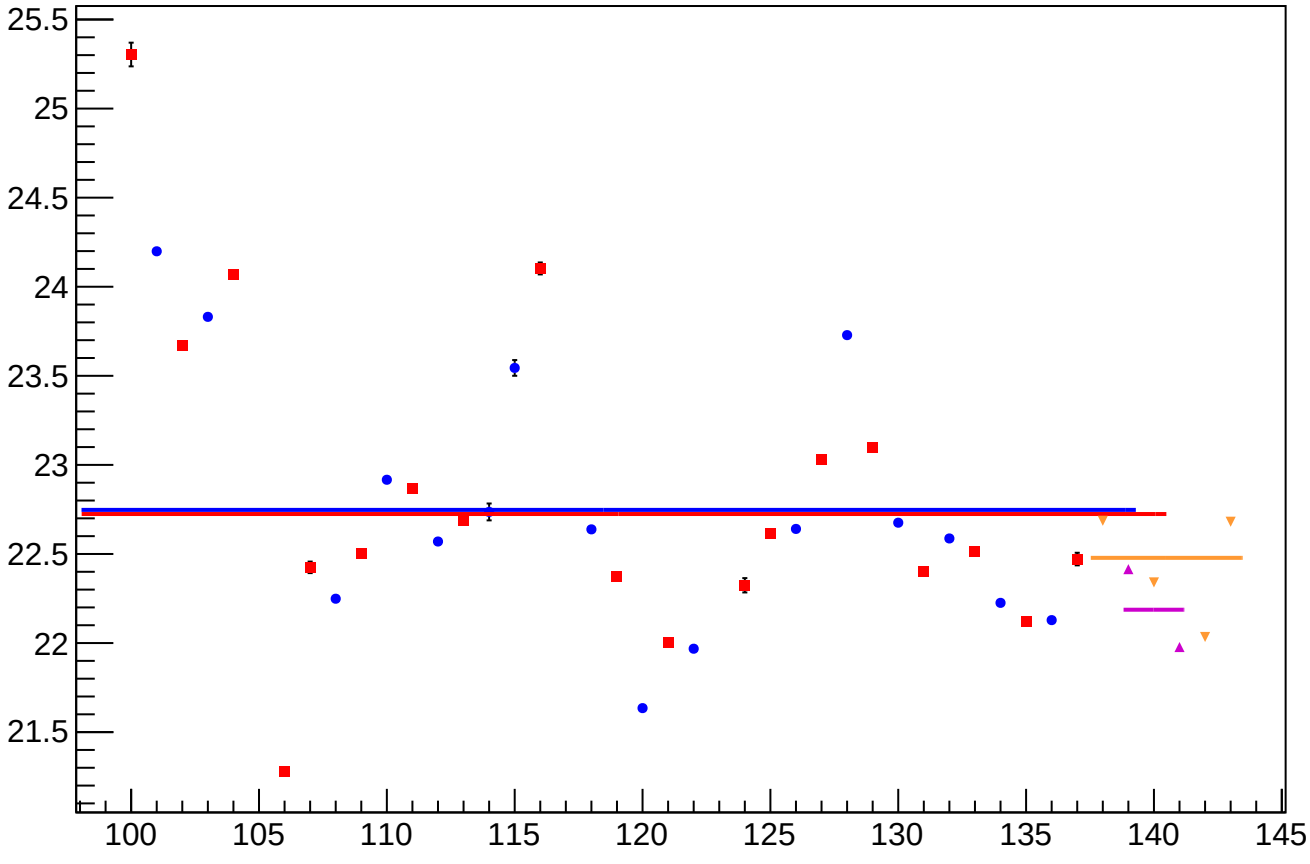
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: -9.404+/-16.865 χ^2/NDF:0.0/1

\+ sign 8.000+/-7.127 χ^2/NDF: 24.2/19

All: -4.587+/-5.147 χ^2/NDF: 46.4/40

\- sign -18.305+/-7.441 χ^2/NDF: 15.7/20



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.478+/-0.009 χ^2/NDF:683.7/3

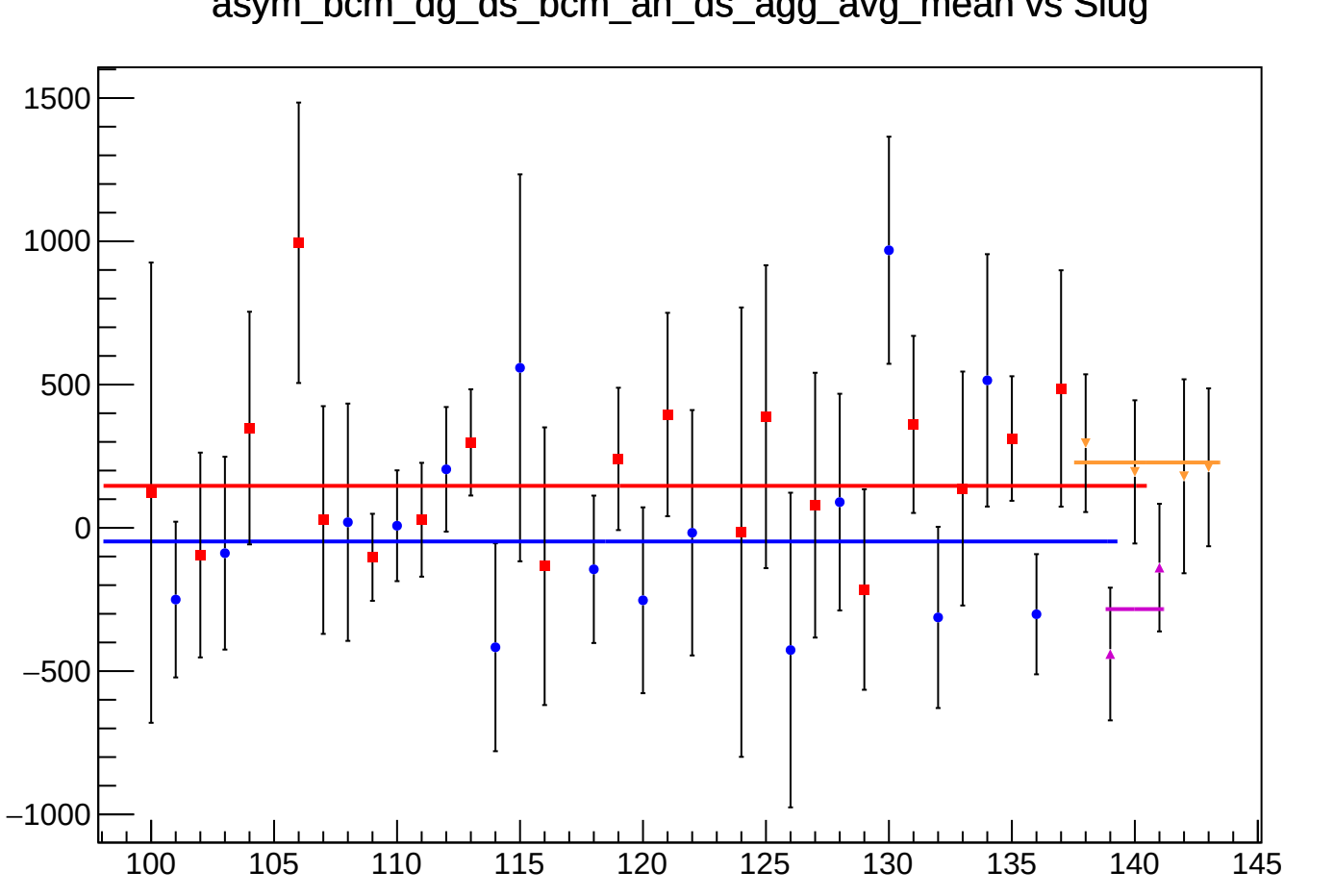
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.187+/-0.012 χ^2/NDF:335.3/1

\+ sign 22.670+/-0.005 χ^2/NDF: 15893.0/19

All: 22.646+/-0.004 χ^2/NDF: 32399.9/40

\- sign 22.620+/-0.005 χ^2/NDF: 16459.9/20



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 228.110+/-134.573 χ^2/NDF:0.1/3

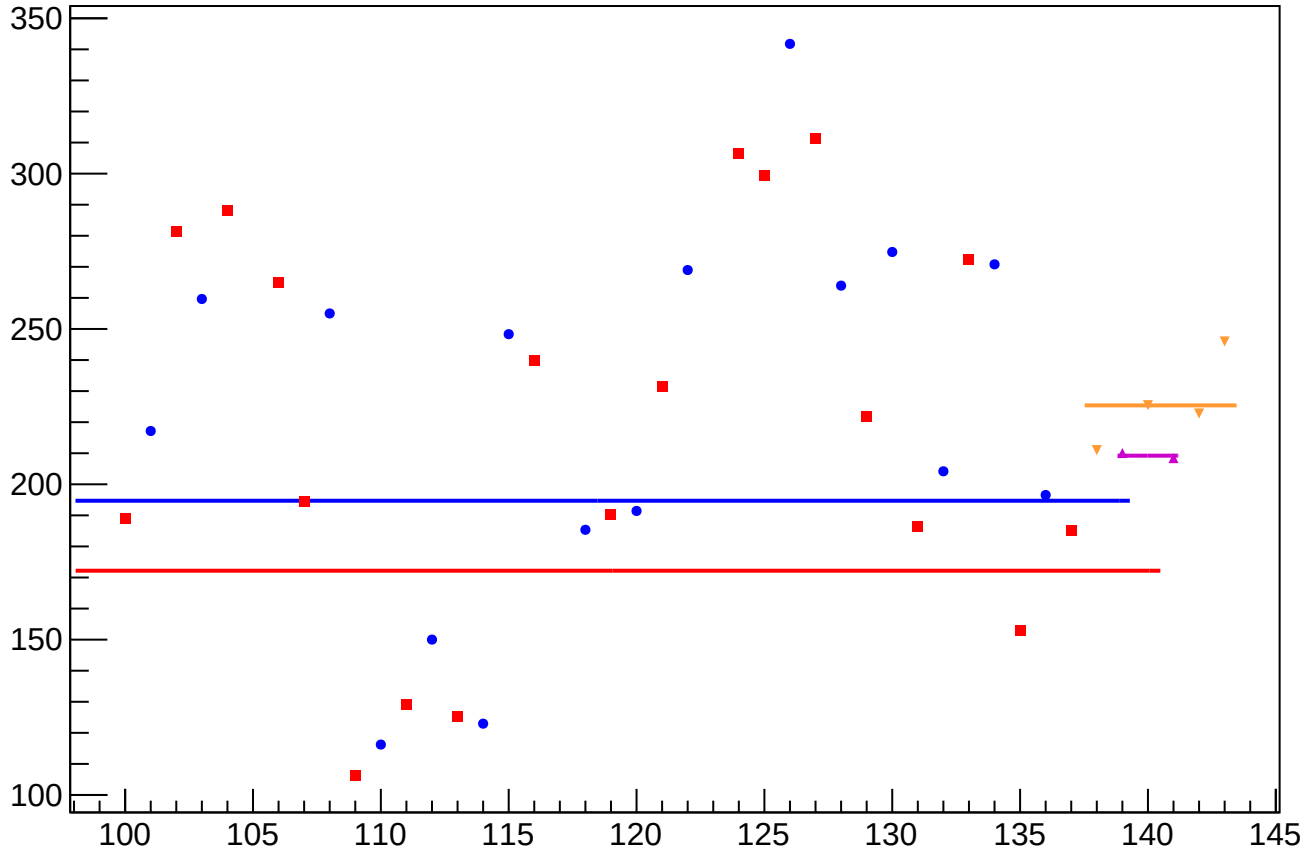
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -283.621+/-160.511 χ^2/NDF:0.9/1

\+ sign 19.889+/-66.552 χ^2/NDF: 18.7/19

All: 51.872+/-45.723 χ^2/NDF: 37.7/40

\- sign 80.461+/-62.923 χ^2/NDF: 18.5/20



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 225.402+/-0.095 χ^2/NDF:18436.8/3

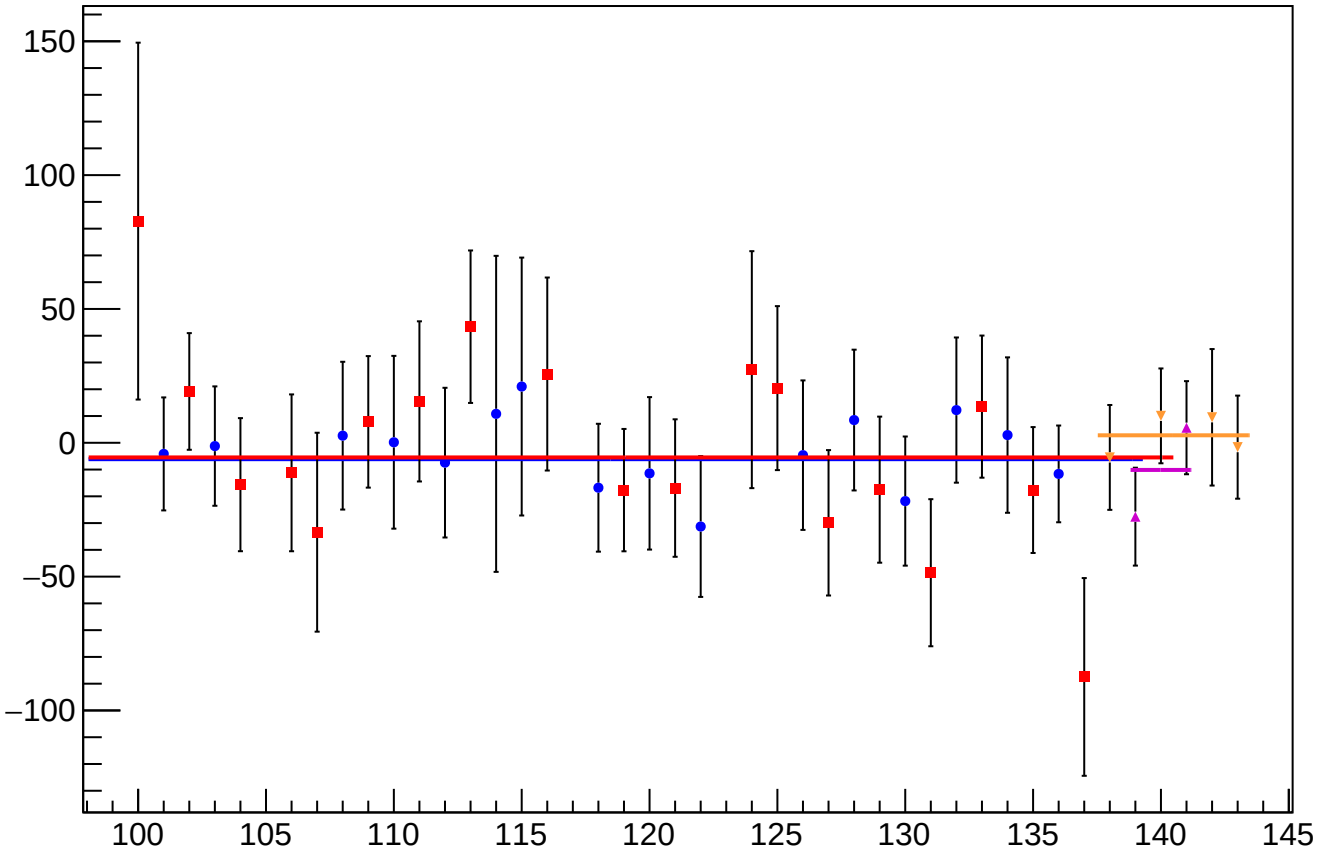
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 209.217+/-0.113 χ^2/NDF:52.3/1

+ sign 202.215+/-0.047 χ^2/NDF: 1149323.6/19

All: 189.364+/-0.032 χ^2/NDF: 3051760.9/40

- sign 177.877+/-0.044 χ^2/NDF: 1761212.1/20



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 2.798+/-9.986 χ^2/NDF:0.5/3

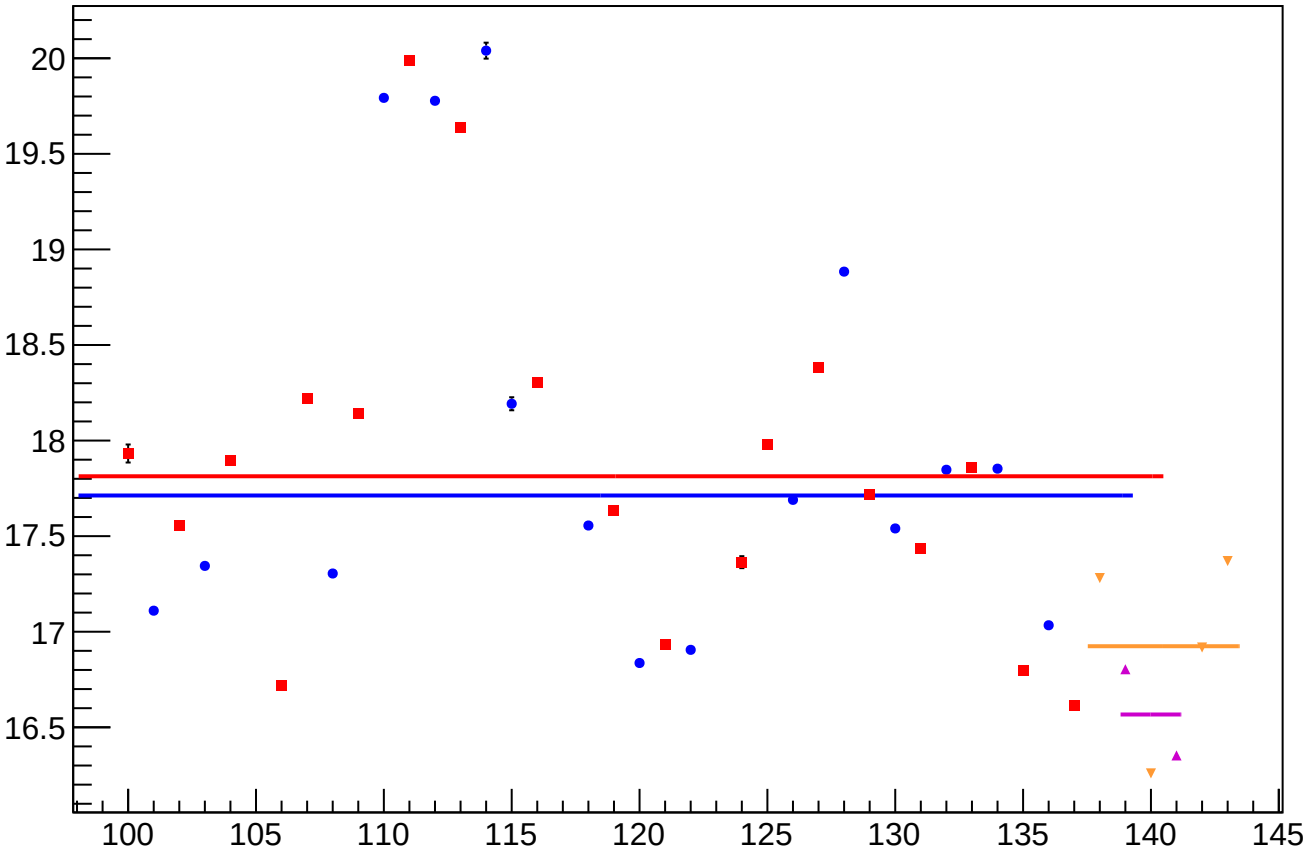
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -10.143+/-12.602 χ^2/NDF:1.7/1

+ sign -3.413+/-5.502 χ^2/NDF: 4.1/19

All: -4.858+/-3.986 χ^2/NDF: 25.3/40

- sign -6.454+/-5.783 χ^2/NDF: 21.0/20



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.924+/-0.007 χ^2/NDF:4554.6/3

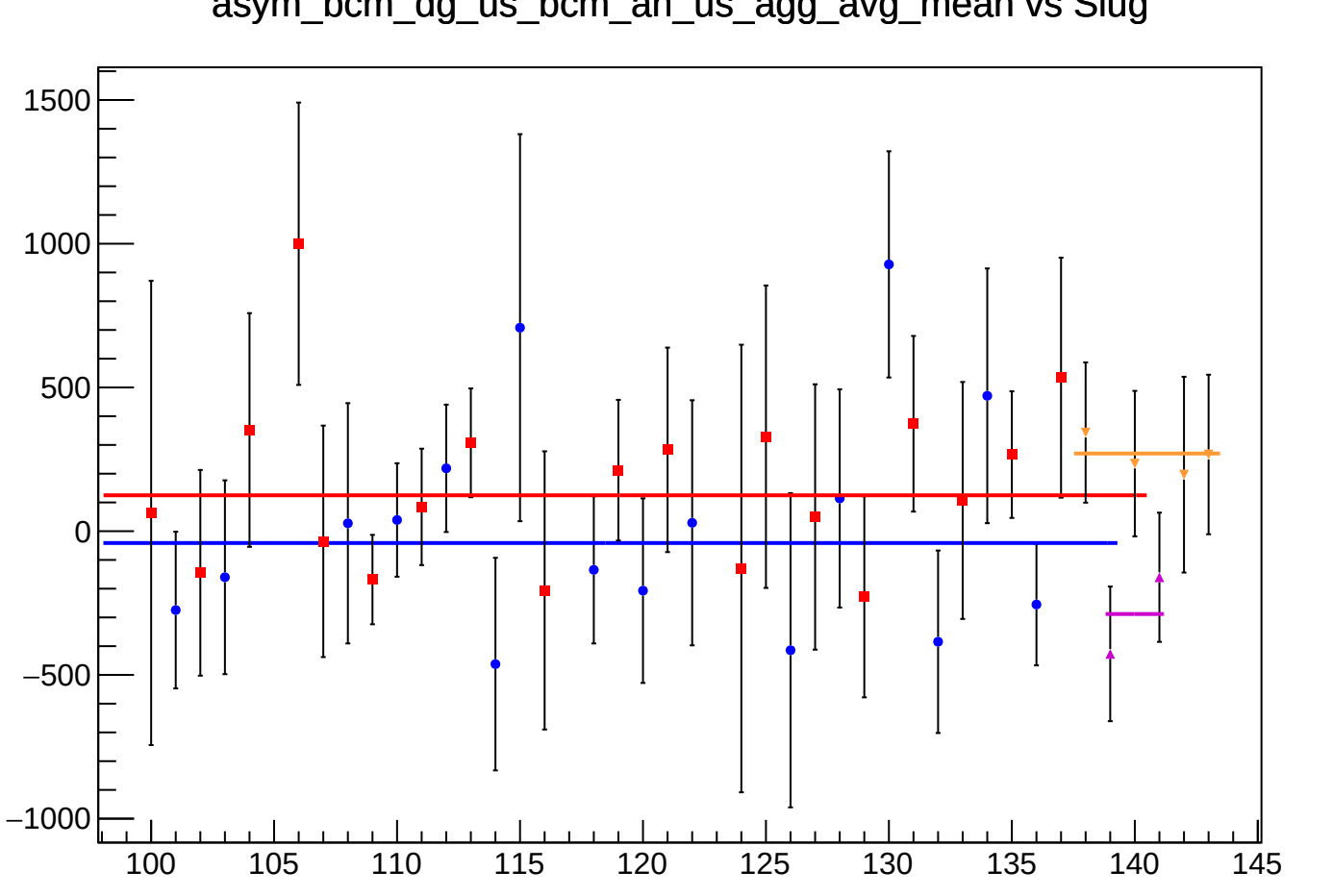
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.567+/-0.009 χ^2/NDF:638.7/1

+ sign 17.473+/-0.004 χ^2/NDF: 49222.3/19

All: 17.510+/-0.003 χ^2/NDF: 98202.6/40

- sign 17.551+/-0.004 χ^2/NDF: 48791.8/20



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 270.176+/-136.014 χ^2/NDF:0.2/3

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

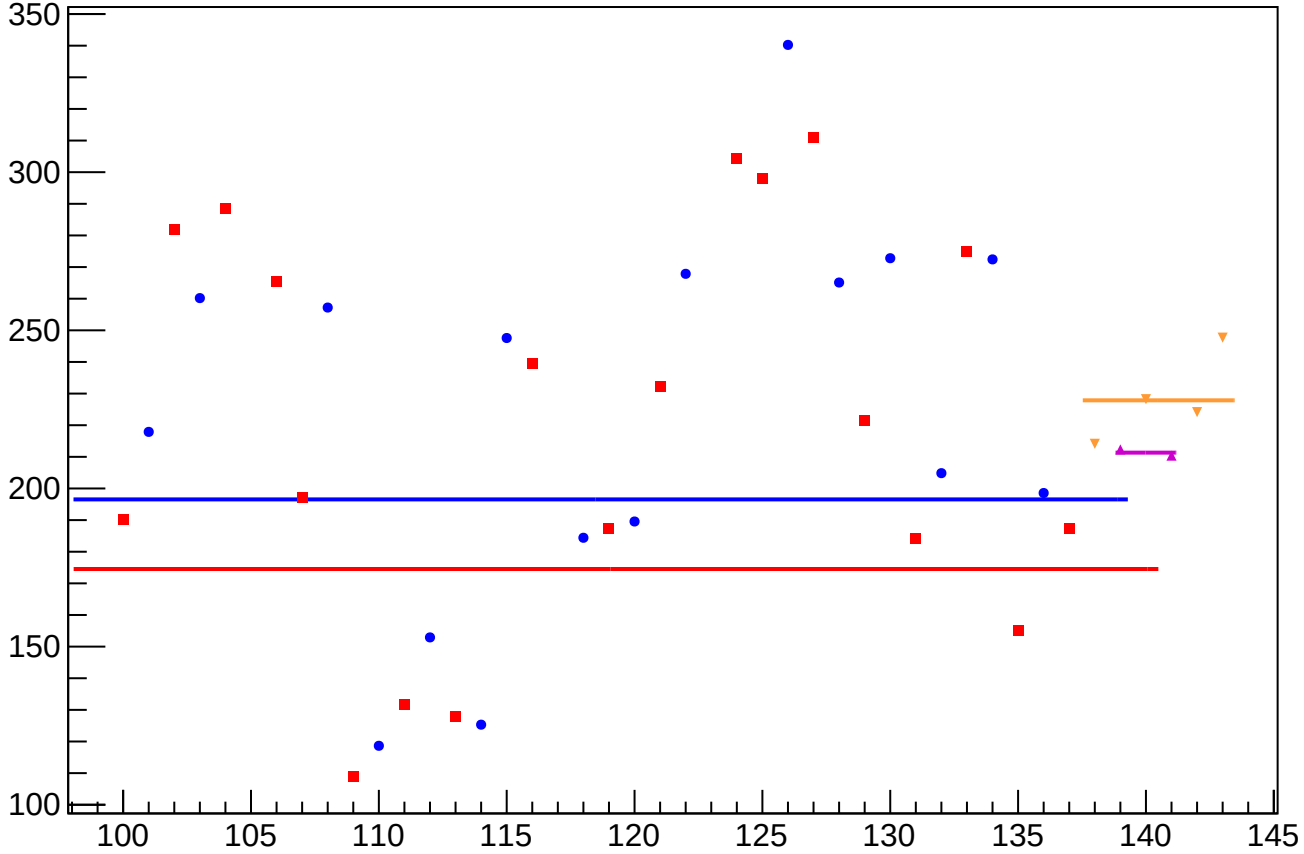
Left In: -288.142+/-162.116 χ^2/NDF:0.7/1

+ sign 34.644+/-67.099 χ^2/NDF: 19.7/19

All: 48.722+/-46.149 χ^2/NDF: 38.9/40

- sign 61.359+/-63.573 χ^2/NDF: 19.0/20

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 227.867+/-0.096 χ^2/NDF:16793.6/3

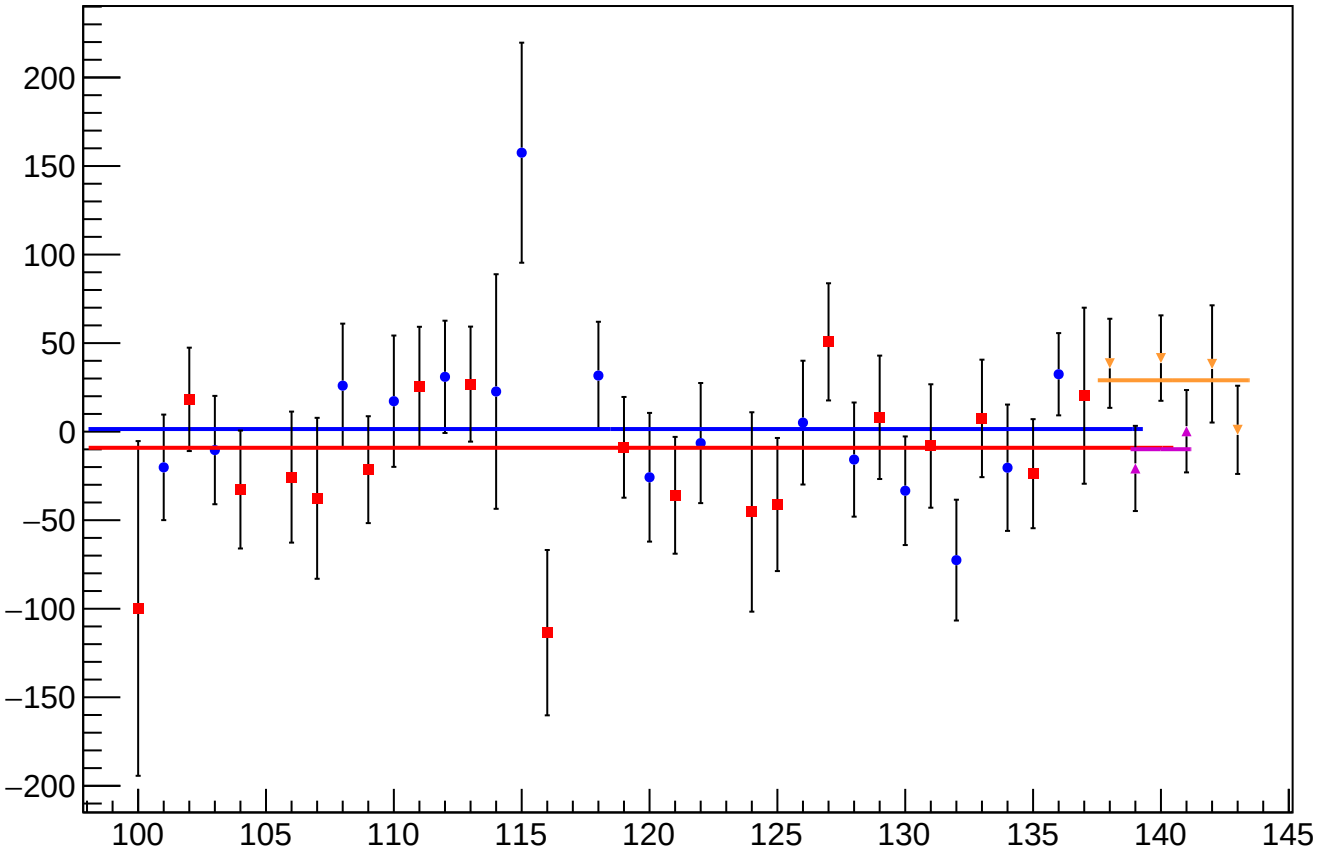
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 211.330+/-0.115 χ^2/NDF:73.6/1

+ sign 204.166+/-0.047 χ^2/NDF: 1097827.9/19

All: 191.535+/-0.033 χ^2/NDF: 2908264.3/40

- sign 180.197+/-0.045 χ^2/NDF: 1675959.1/20



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 29.011+/-13.105 χ^2/NDF:1.8/3

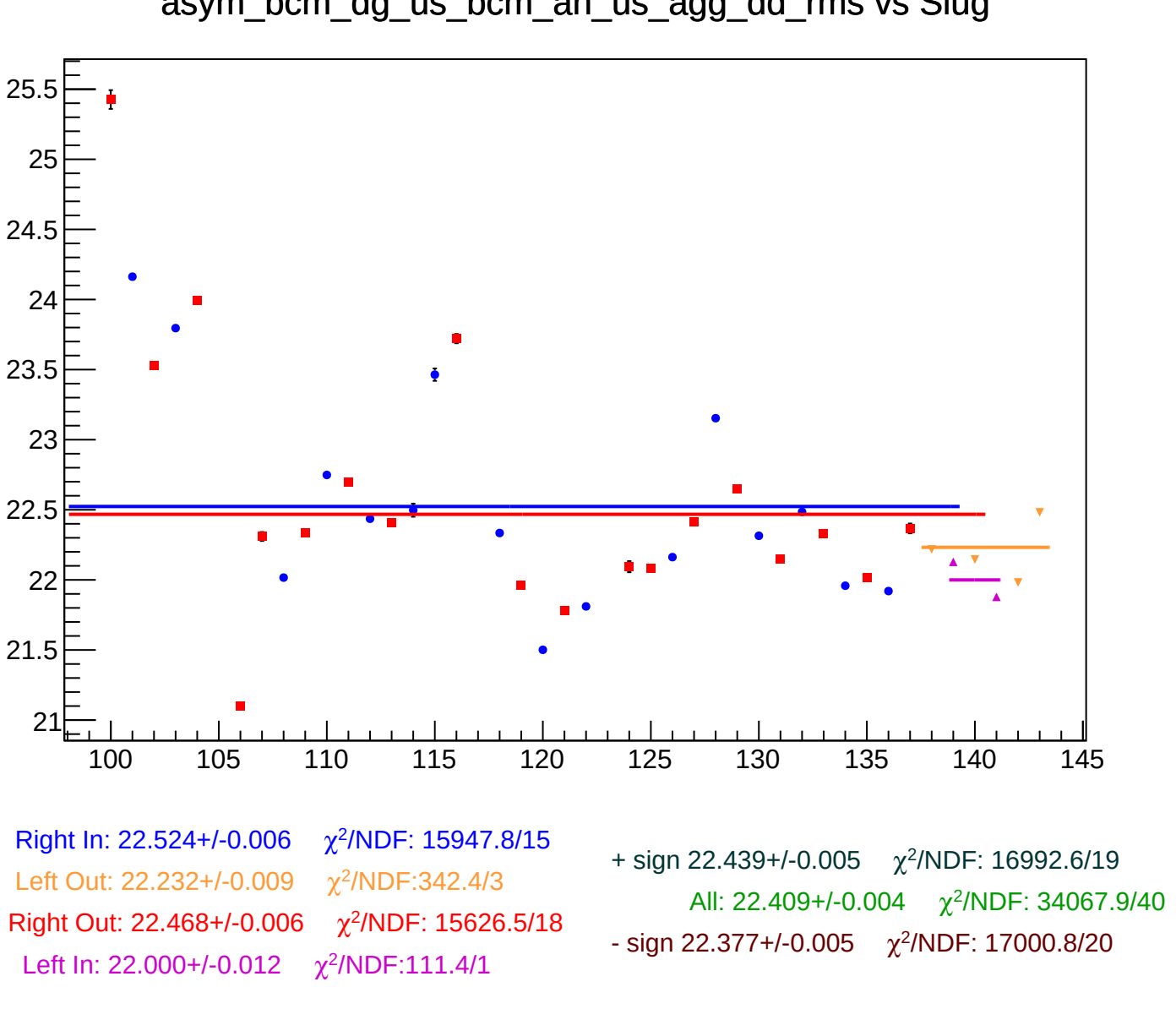
Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

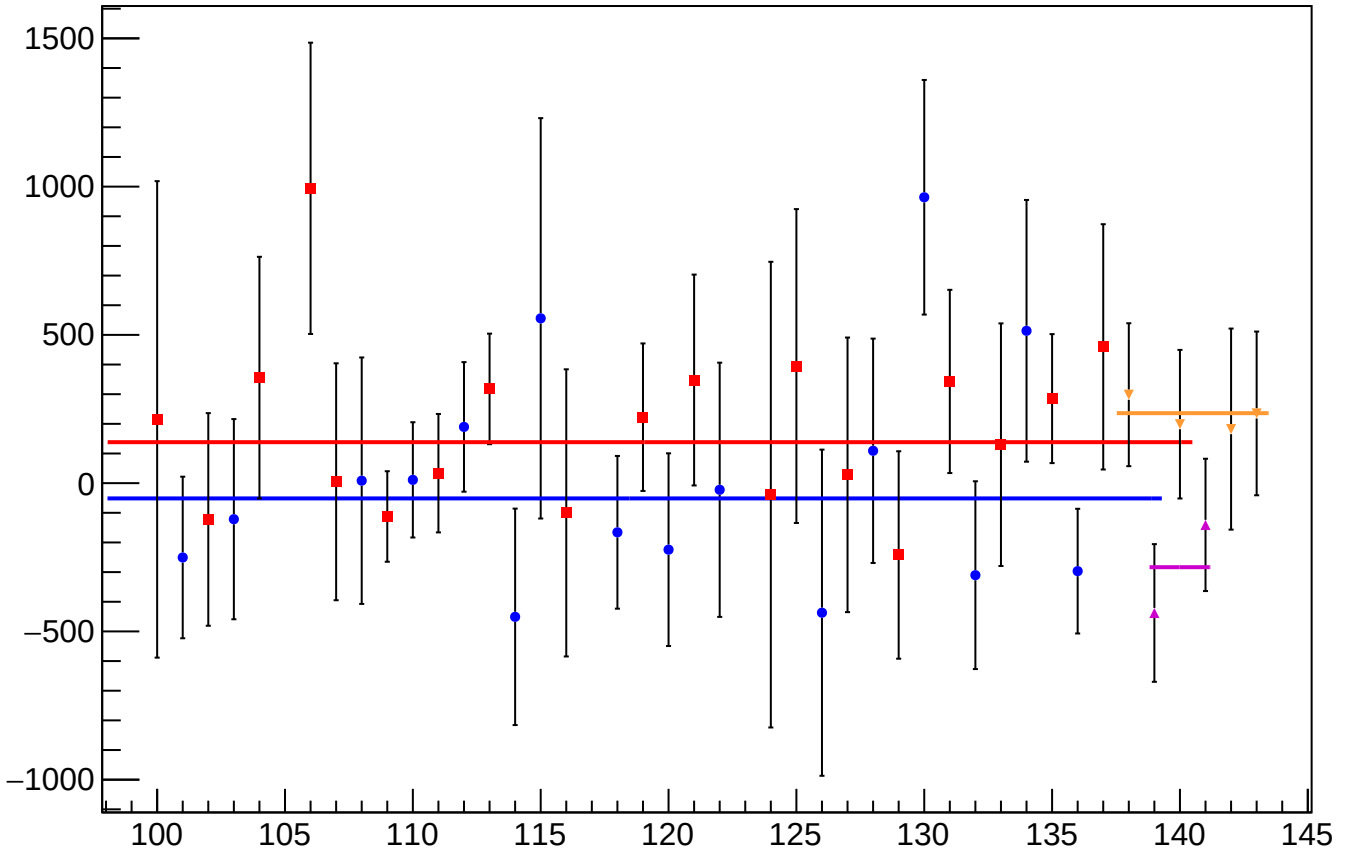
Left In: -9.911+/-16.721 χ^2/NDF:0.4/1

+ sign 9.454+/-7.054 χ^2/NDF: 23.6/19

All: 0.491+/-5.093 χ^2/NDF: 43.8/40

- sign -9.268+/-7.361 χ^2/NDF: 16.9/20


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21
100
105
110
115
120
125
130
135
140
145
Right In: 22.524+/-0.006 χ2/NDF: 15947.8/15
Left Out: 22.232+/-0.009 χ2/NDF:342.4/3
Right Out: 22.468+/-0.006 χ2/NDF: 15626.5/18
Left In: 22.000+/-0.012 χ2/NDF:111.4/1
+ sign 22.439+/-0.005 χ2/NDF: 16992.6/19
All: 22.409+/-0.004 χ2/NDF: 34067.9/40
- sign 22.377+/-0.005 χ2/NDF: 17000.8/20



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 236.027+/-134.887 χ^2/NDF:0.1/3

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

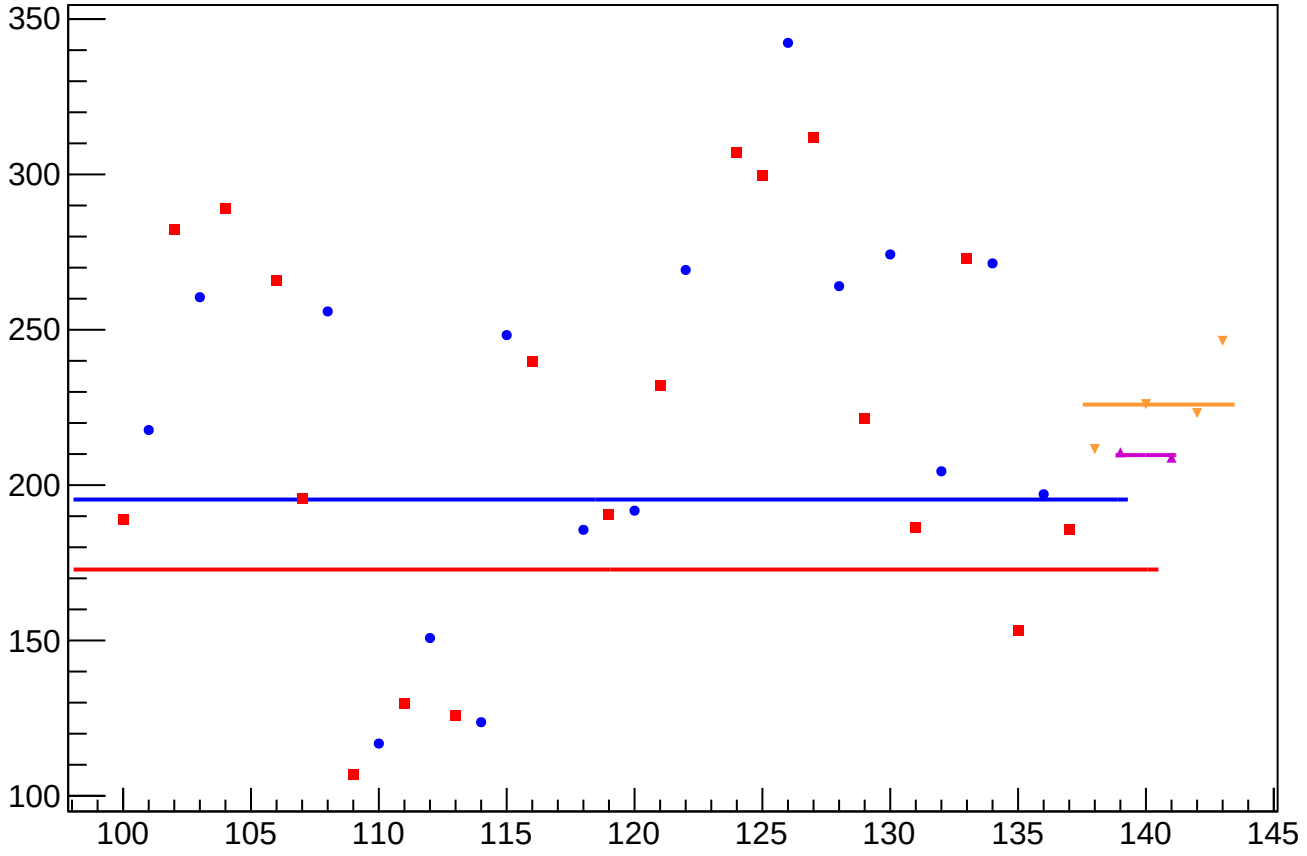
Left In: -283.409+/-160.860 χ^2/NDF:0.9/1

+ sign 18.894+/-66.739 χ^2/NDF: 18.9/19

All: 47.596+/-45.859 χ^2/NDF: 37.5/40

- sign 73.270+/-63.121 χ^2/NDF: 18.3/20

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: 225.930+/-0.095 χ^2/NDF:18246.9/3

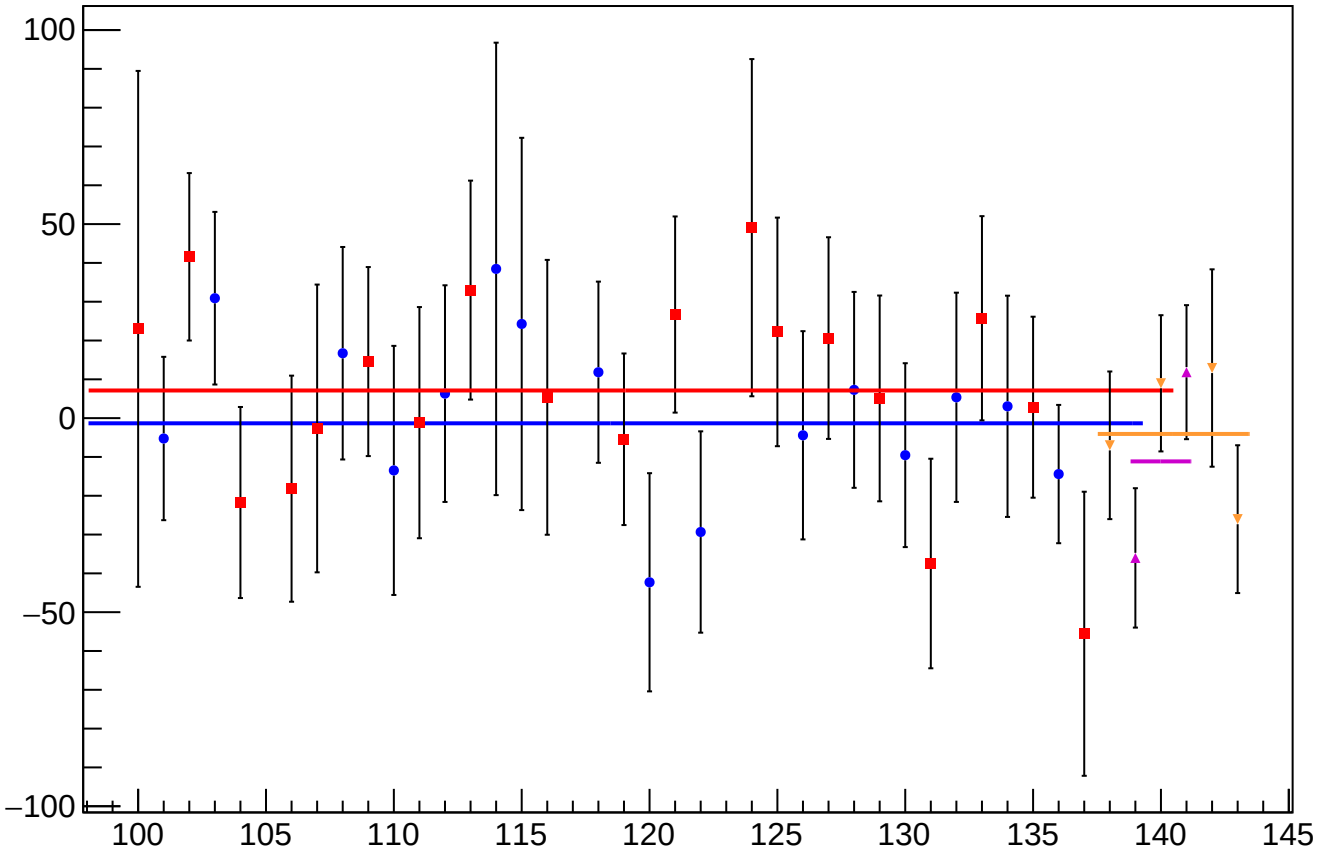
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 209.674+/-0.114 χ^2/NDF:56.0/1

+ sign 202.844+/-0.047 χ^2/NDF: 1137254.2/19

All: 189.999+/-0.032 χ^2/NDF: 3025836.6/40

- sign 178.509+/-0.045 χ^2/NDF: 1748217.1/20



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -4.073+/-9.847 χ^2/NDF:2.4/3

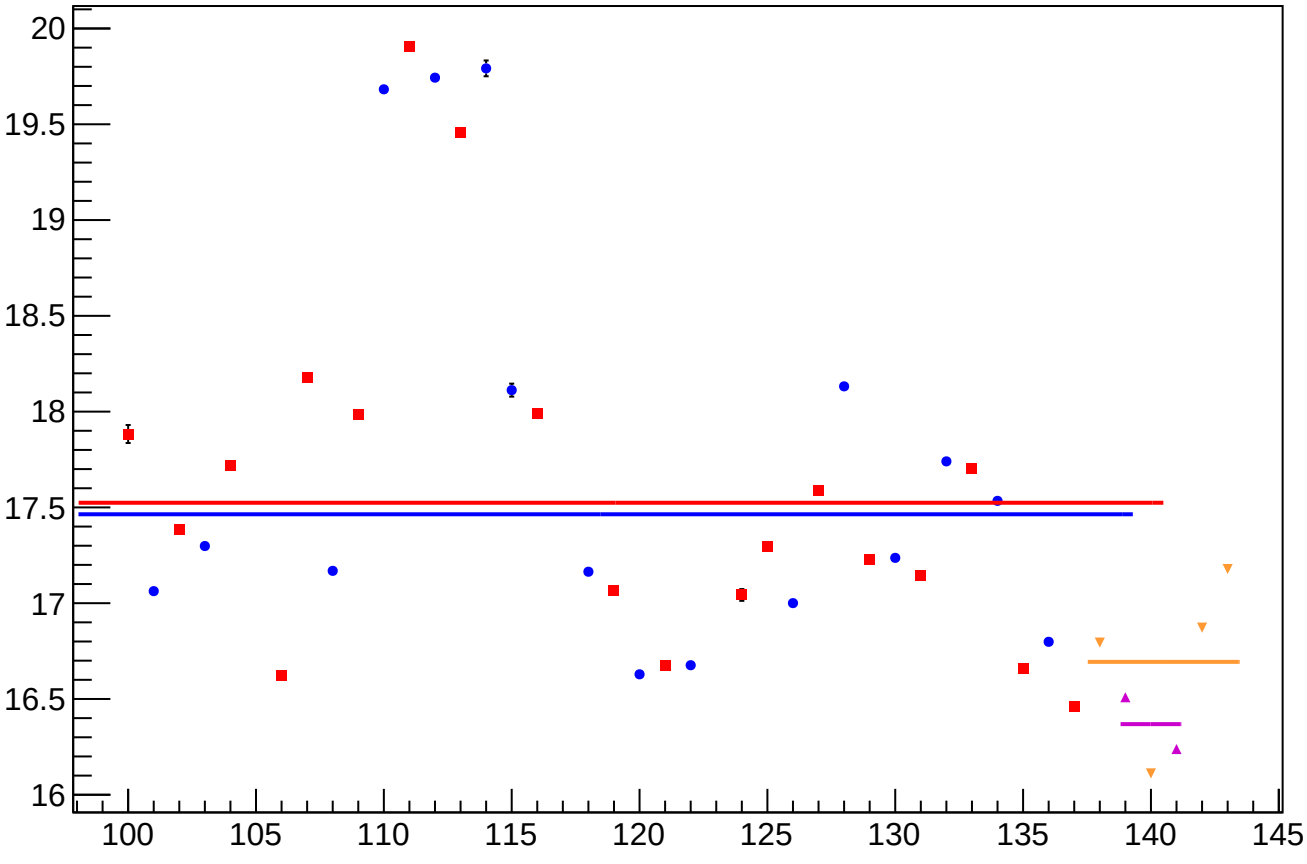
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -11.147+/-12.447 χ^2/NDF:3.7/1

+ sign -2.163+/-5.424 χ^2/NDF: 10.4/19

All: 0.438+/-3.927 χ^2/NDF: 30.7/40

- sign 3.304+/-5.693 χ^2/NDF: 19.8/20



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.694+/-0.007 χ^2/NDF:3651.8/3

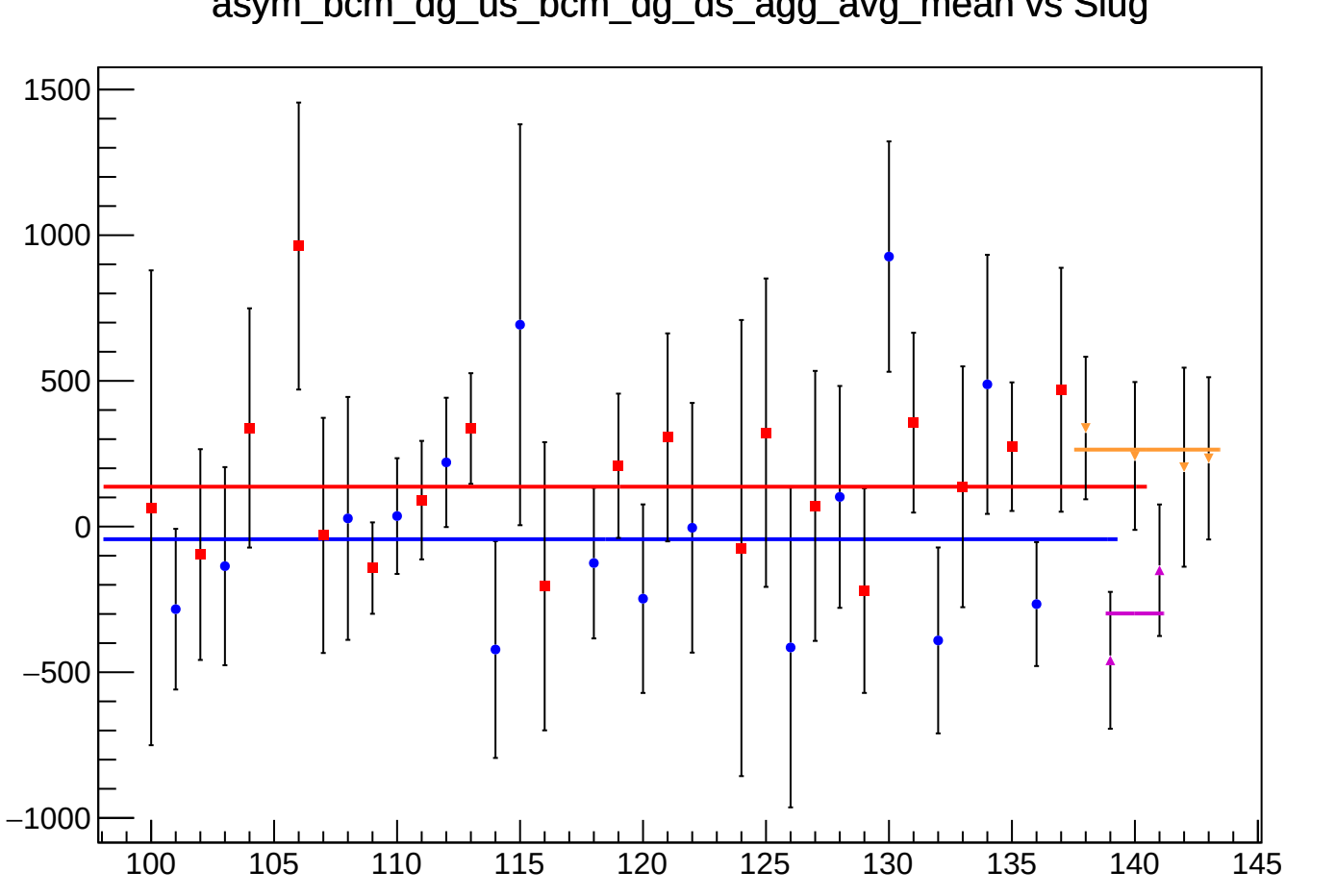
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.369+/-0.009 χ^2/NDF:235.5/1

\+ sign 17.230+/-0.004 χ^2/NDF: 48830.6/19

All: 17.255+/-0.003 χ^2/NDF: 97513.4/40

\- sign 17.283+/-0.004 χ^2/NDF: 48594.8/20



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 264.048+/-136.446 χ^2/NDF:0.1/3

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

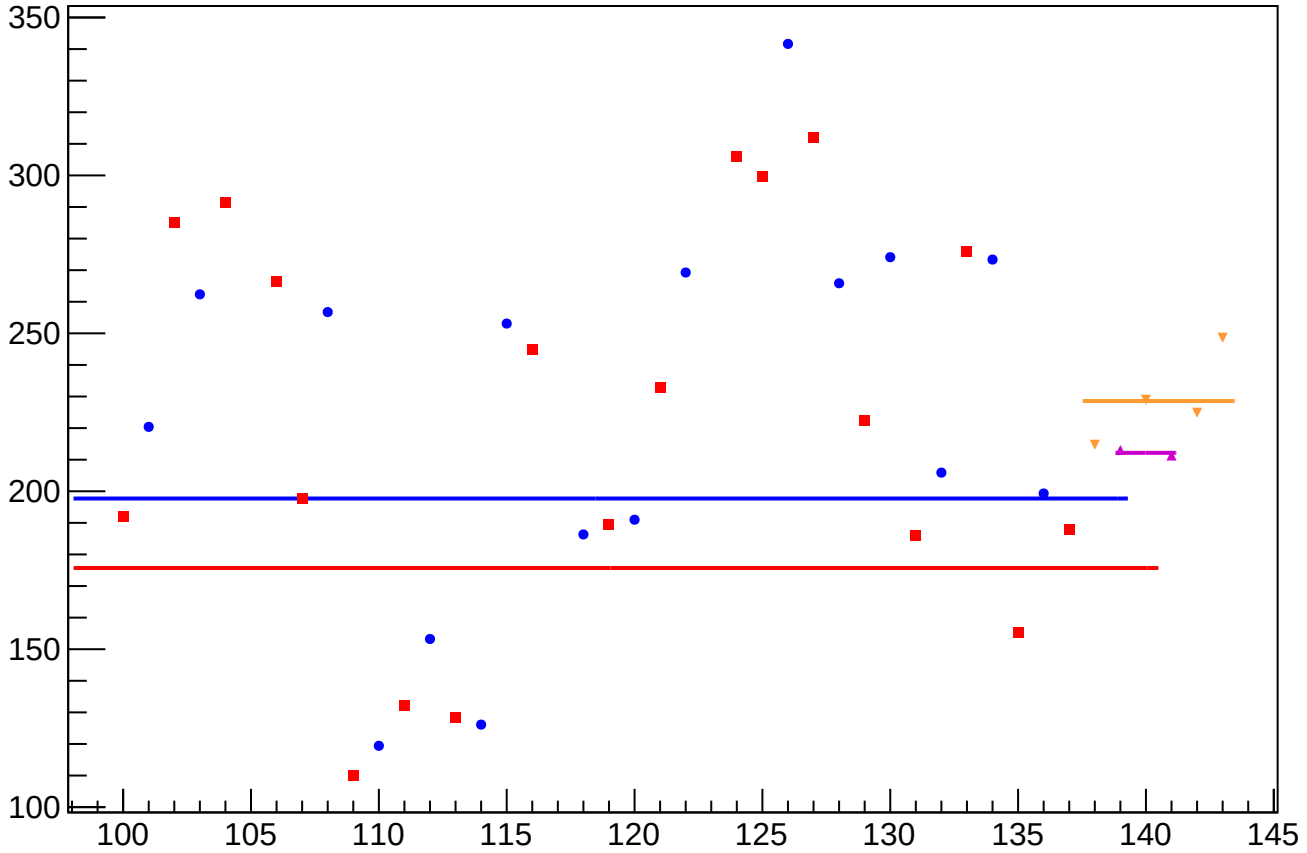
Left In: -298.354+/-162.753 χ^2/NDF:0.9/1

\+ sign 31.728+/-67.444 χ^2/NDF: 19.4/19

All: 51.654+/-46.409 χ^2/NDF: 38.1/40

\- sign 69.576+/-63.960 χ^2/NDF: 18.5/20

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: 228.589+/-0.096 χ^2/NDF:17000.9/3

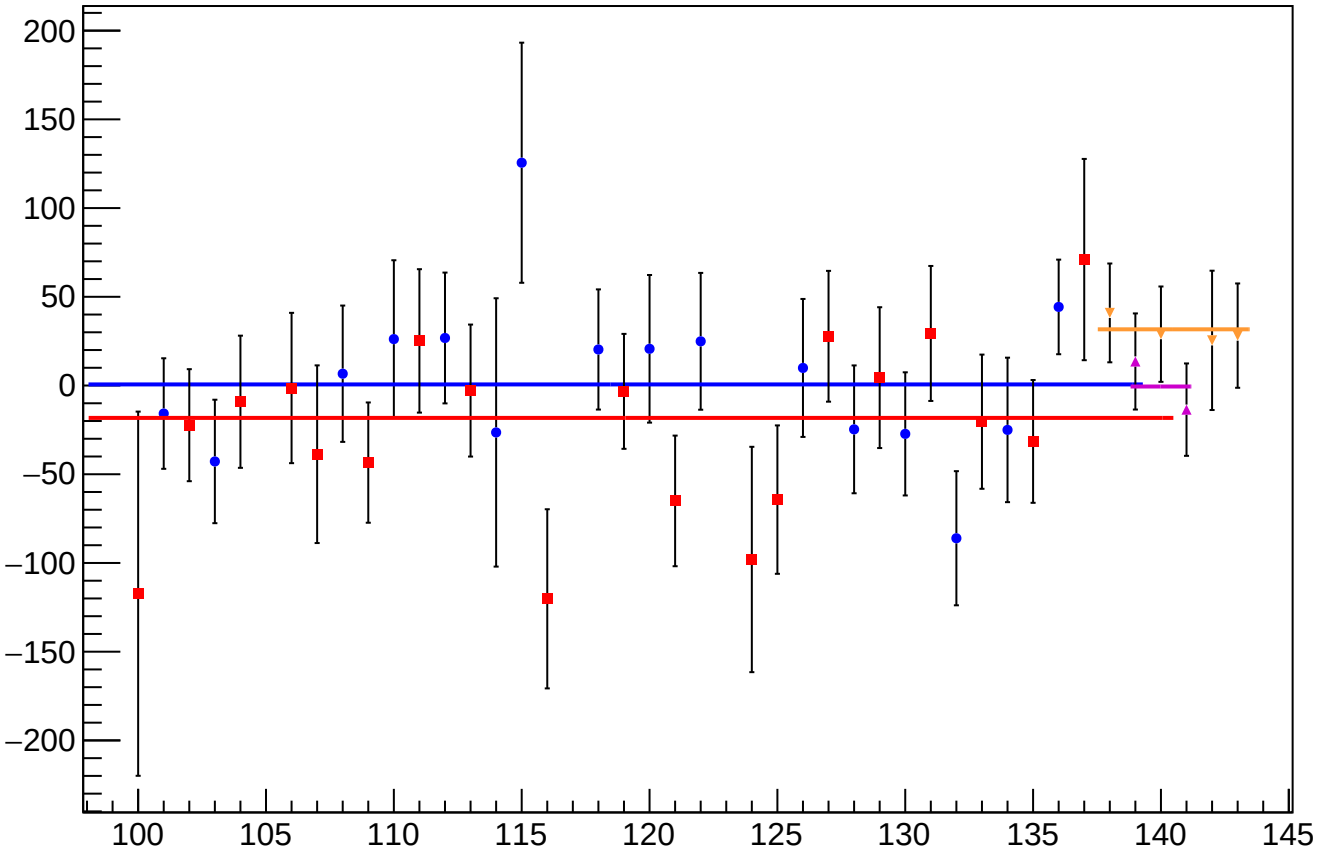
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 212.169+/-0.115 χ^2/NDF:57.7/1

+ sign 205.252+/-0.048 χ^2/NDF: 1094745.6/19

All: 192.666+/-0.033 χ^2/NDF: 2902507.1/40

- sign 181.345+/-0.045 χ^2/NDF: 1675454.0/20



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.674+/-14.938 χ^2/NDF:0.2/3

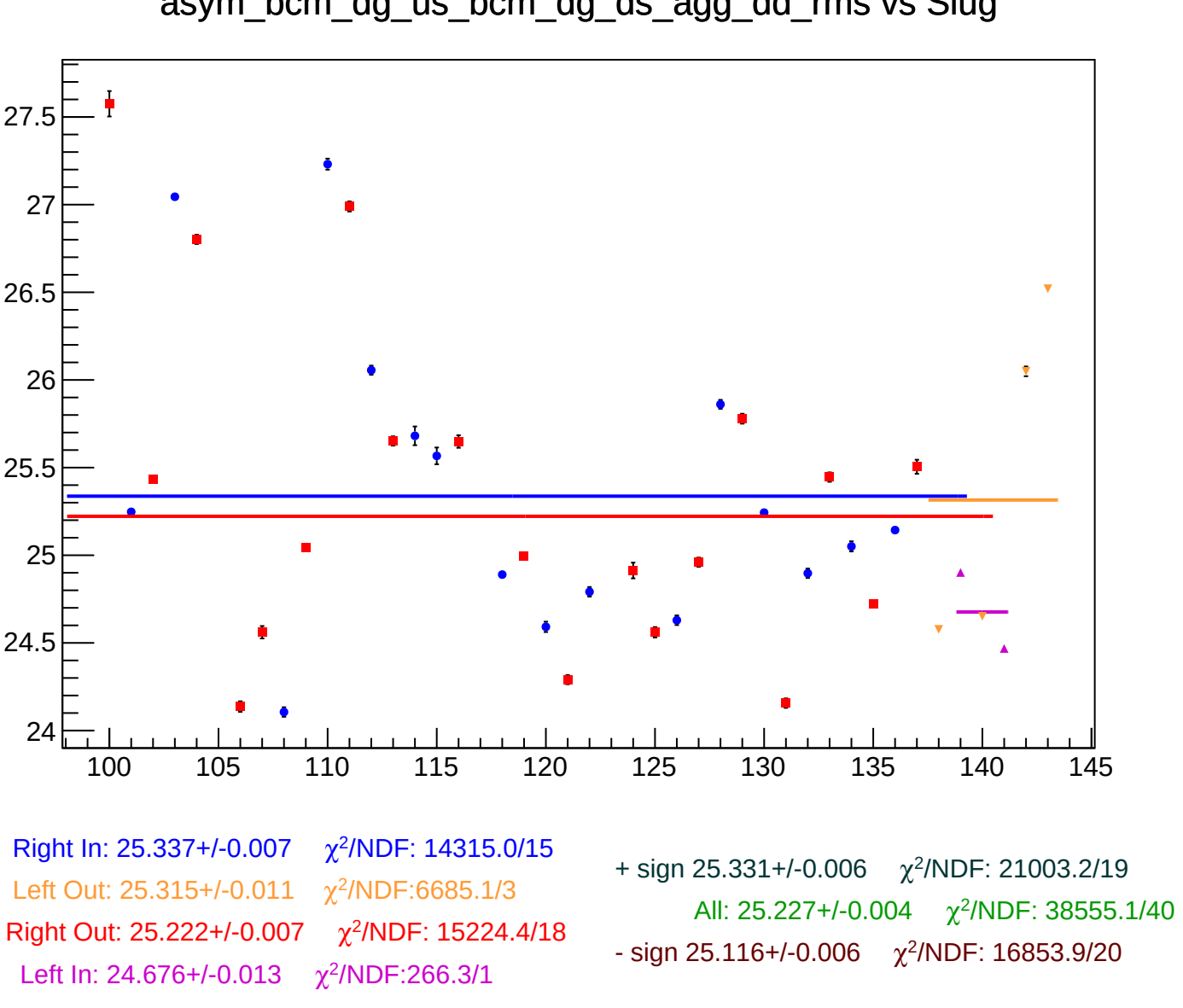
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

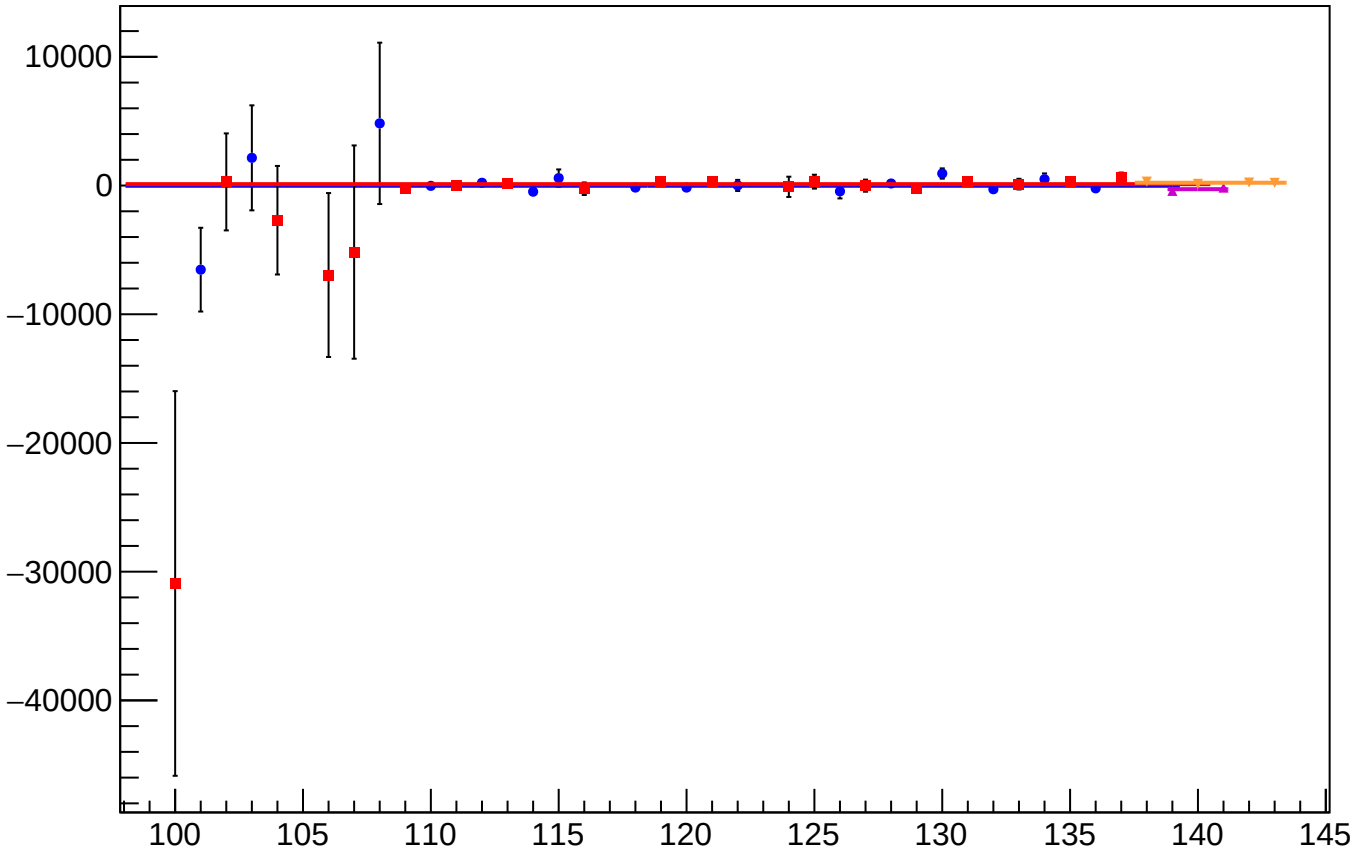
Left In: -0.557+/-18.770 χ^2/NDF:0.5/1

+ sign 9.457+/-7.969 χ^2/NDF: 20.0/19

All: -2.234+/-5.737 χ^2/NDF: 43.7/40

- sign -14.816+/-8.267 χ^2/NDF: 19.2/20


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
105
110
115
120
125
130
135
140
145
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.315+/-0.011 χ²/NDF:6685.1/3
Right Out: 25.222+/-0.007 χ²/NDF: 15224.4/18
Left In: 24.676+/-0.013 χ²/NDF:266.3/1
+ sign 25.331+/-0.006 χ²/NDF: 21003.2/19
All: 25.227+/-0.004 χ²/NDF: 38555.1/40
- sign 25.116+/-0.006 χ²/NDF: 16853.9/20



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 219.395+/-136.864 χ^2/NDF:0.2/3

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

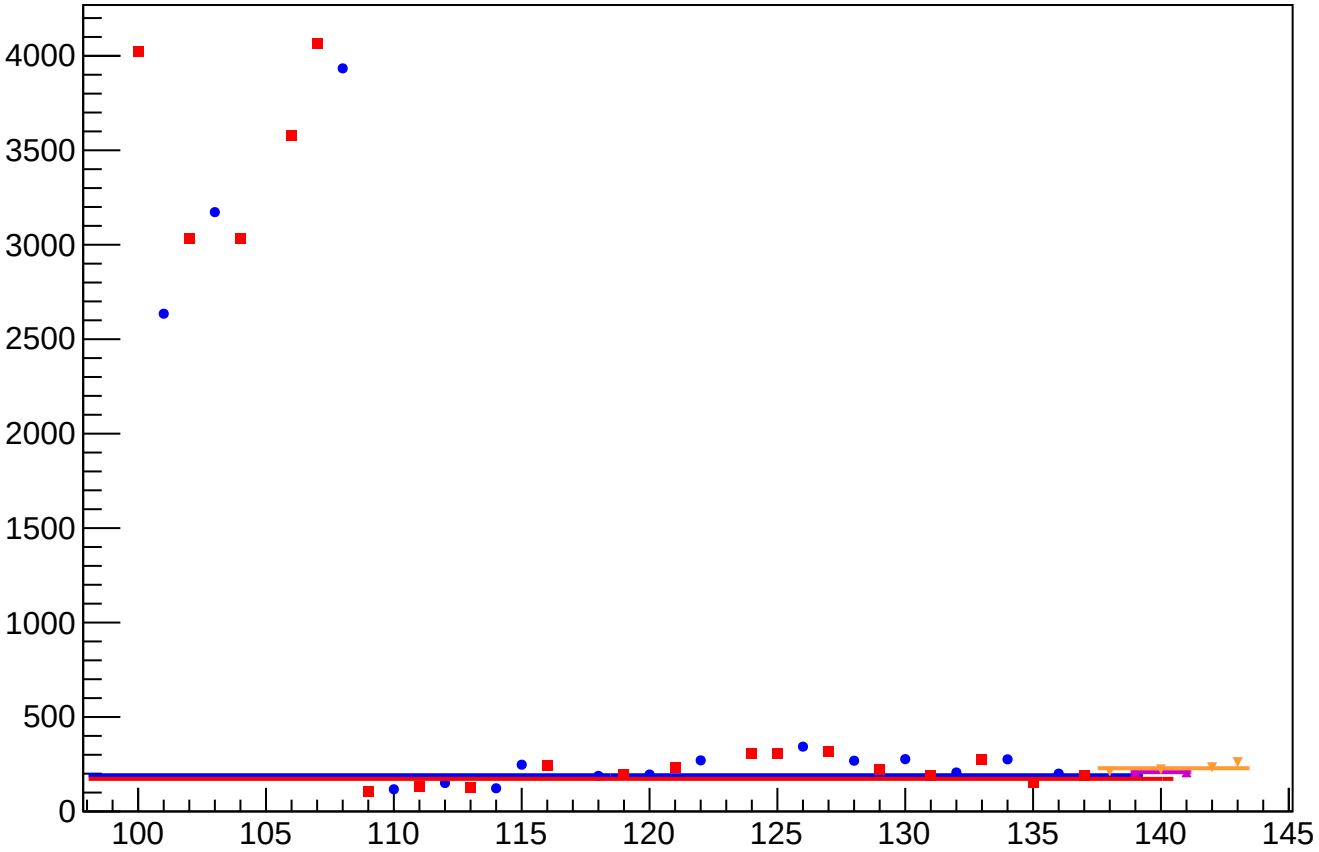
Left In: -282.019+/-159.884 χ^2/NDF:0.6/1

+ sign 49.586+/-72.024 χ^2/NDF: 20.7/19

All: 41.351+/-50.262 χ^2/NDF: 40.2/40

- sign 33.533+/-70.174 χ^2/NDF: 19.5/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 228.768+/-0.097 χ^2/NDF:36861.4/3

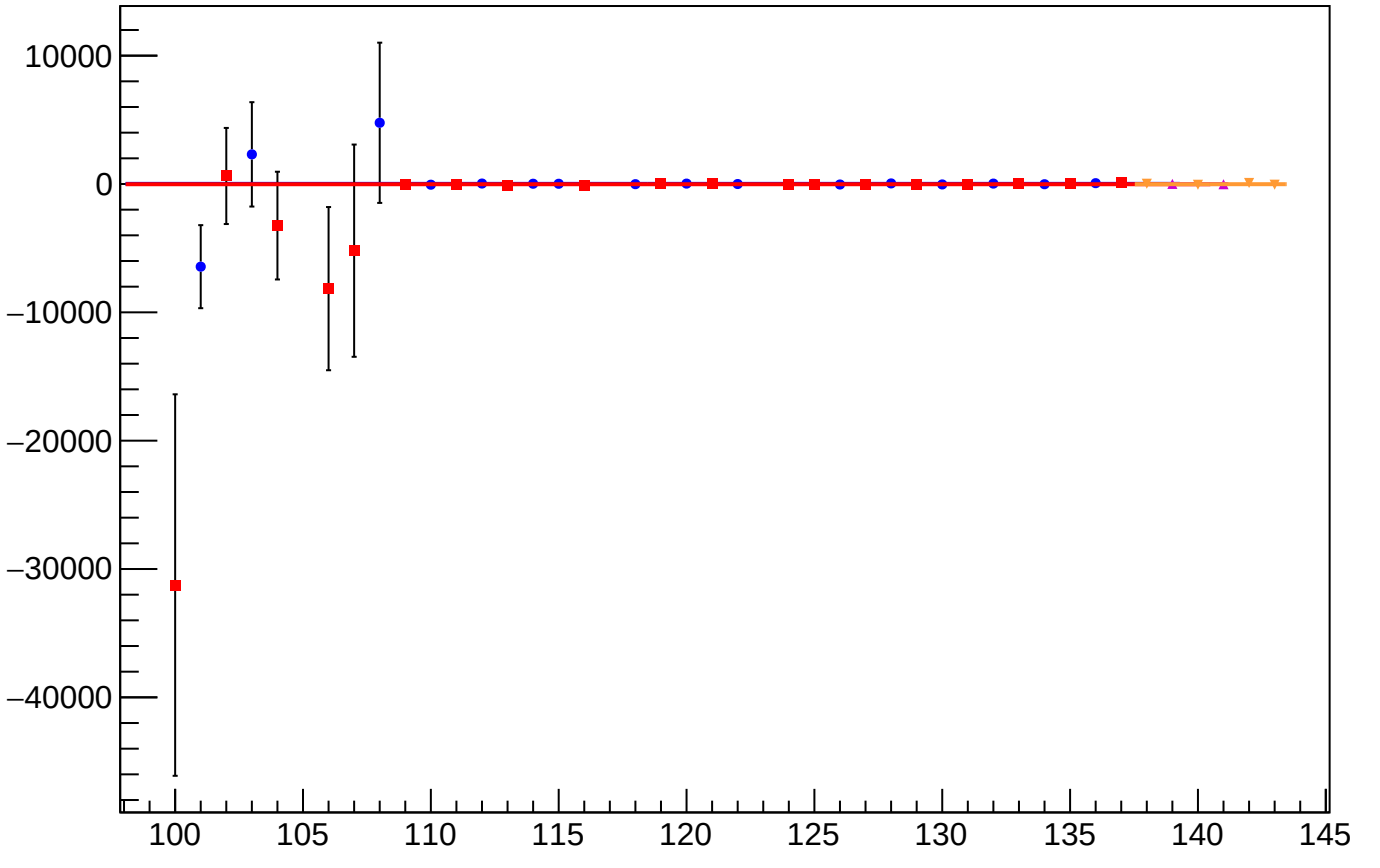
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 208.243+/-0.113 χ^2/NDF:37.7/1

+ sign 201.991+/-0.051 χ^2/NDF: 3964539.2/19

All: 190.379+/-0.036 χ^2/NDF: 8449921.4/40

- sign 179.355+/-0.050 χ^2/NDF: 4384039.1/20



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -14.862+/-17.361 χ^2/NDF:9.0/3

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

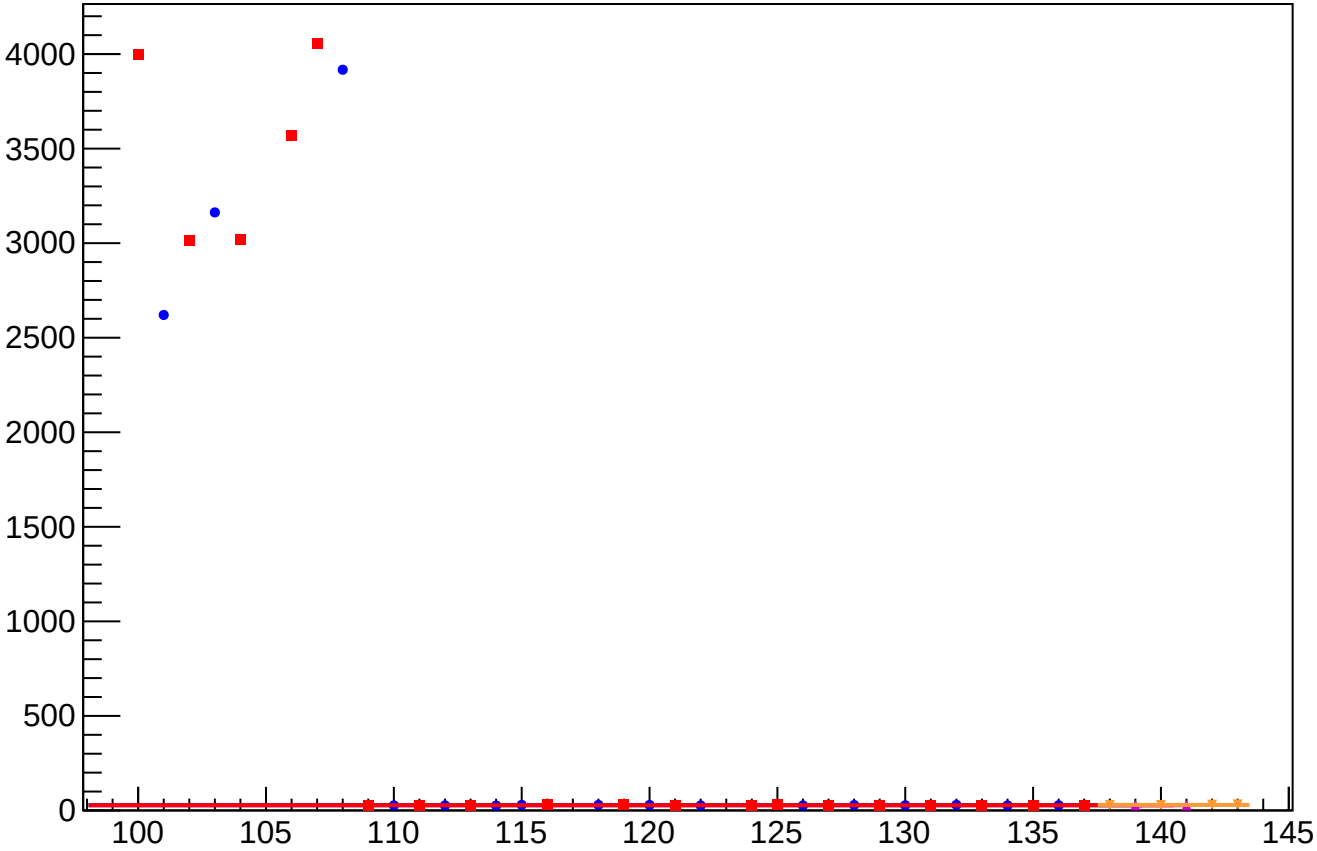
Left In: -4.630+/-21.012 χ^2/NDF:0.4/1

+ sign 1.957+/-9.694 χ^2/NDF: 26.3/19

All: -5.954+/-7.057 χ^2/NDF: 53.2/40

- sign -14.872+/-10.292 χ^2/NDF: 25.5/20

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: 29.265+/-0.012 χ^2/NDF:16667.8/3

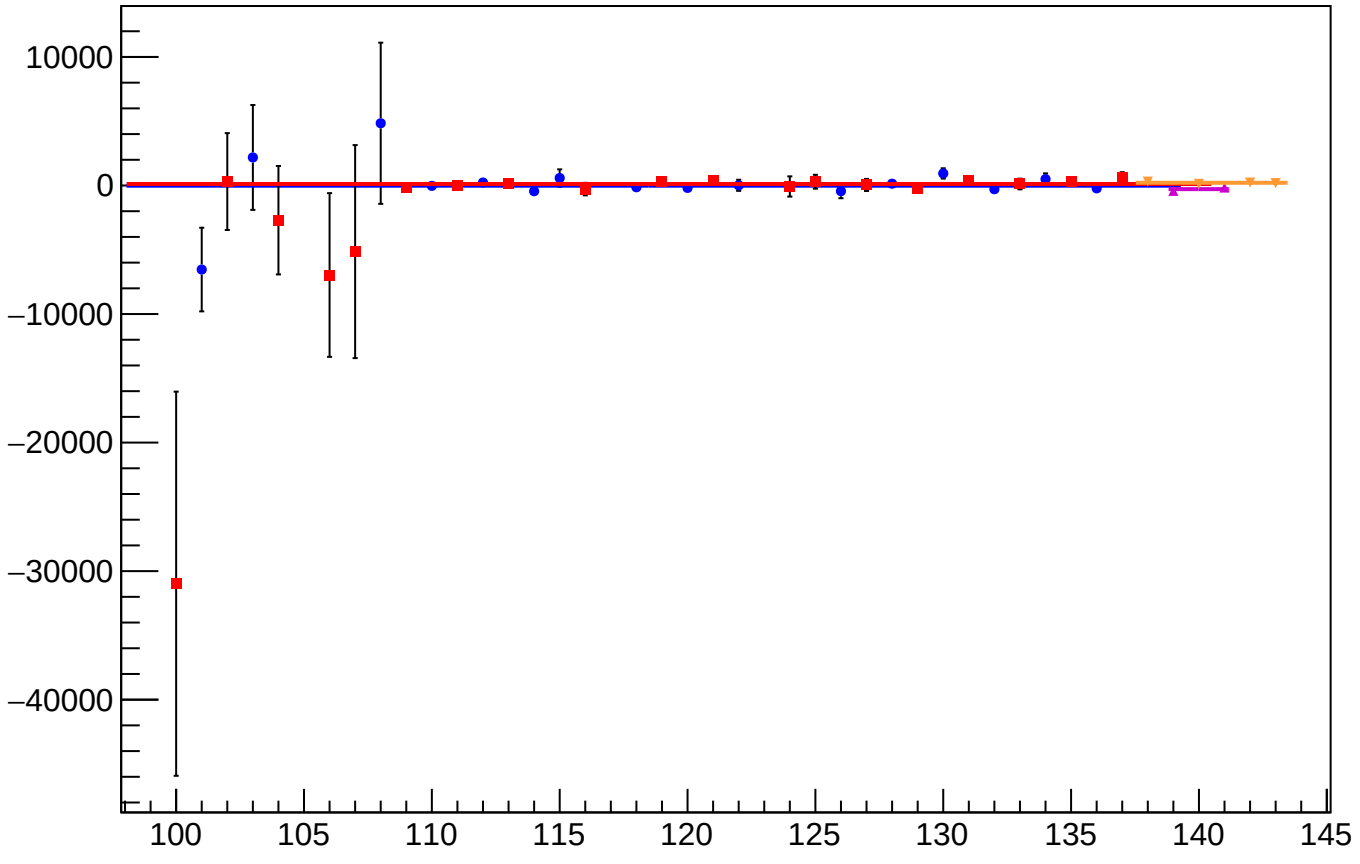
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 27.574+/-0.015 χ^2/NDF:722.4/1

+ sign 28.148+/-0.007 χ^2/NDF: 3294208.2/19

All: 27.864+/-0.005 χ^2/NDF: 6853814.1/40

- sign 27.544+/-0.007 χ^2/NDF: 3555957.0/20



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 211.981+/-136.547 χ^2/NDF:0.3/3

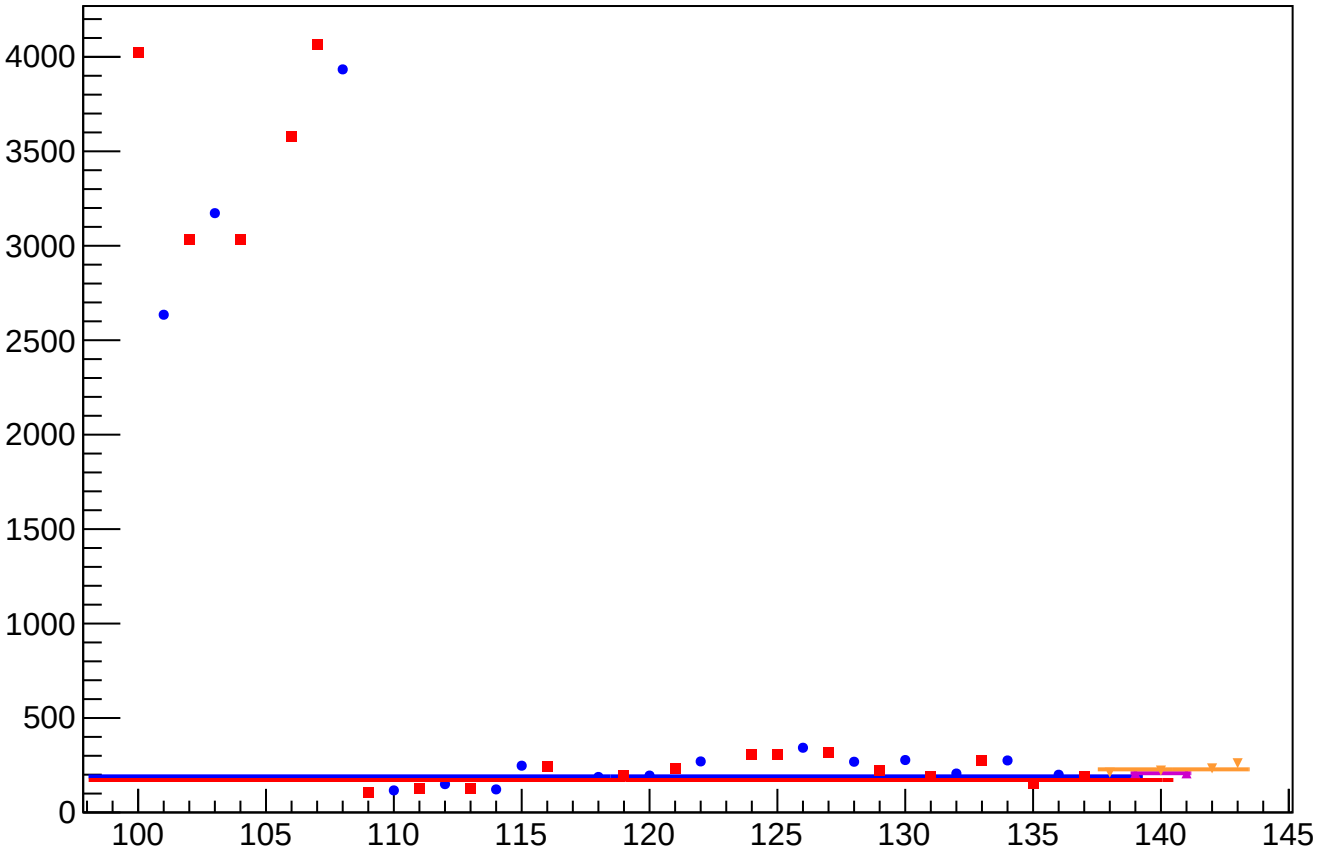
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -282.328+/-159.537 χ^2/NDF:0.7/1

\+ sign 49.135+/-71.826 χ^2/NDF: 20.5/19

All: 44.981+/-50.121 χ^2/NDF: 40.7/40

\- sign 41.039+/-69.973 χ^2/NDF: 20.2/20



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 228.231+/-0.097 χ^2/NDF:37226.2/3

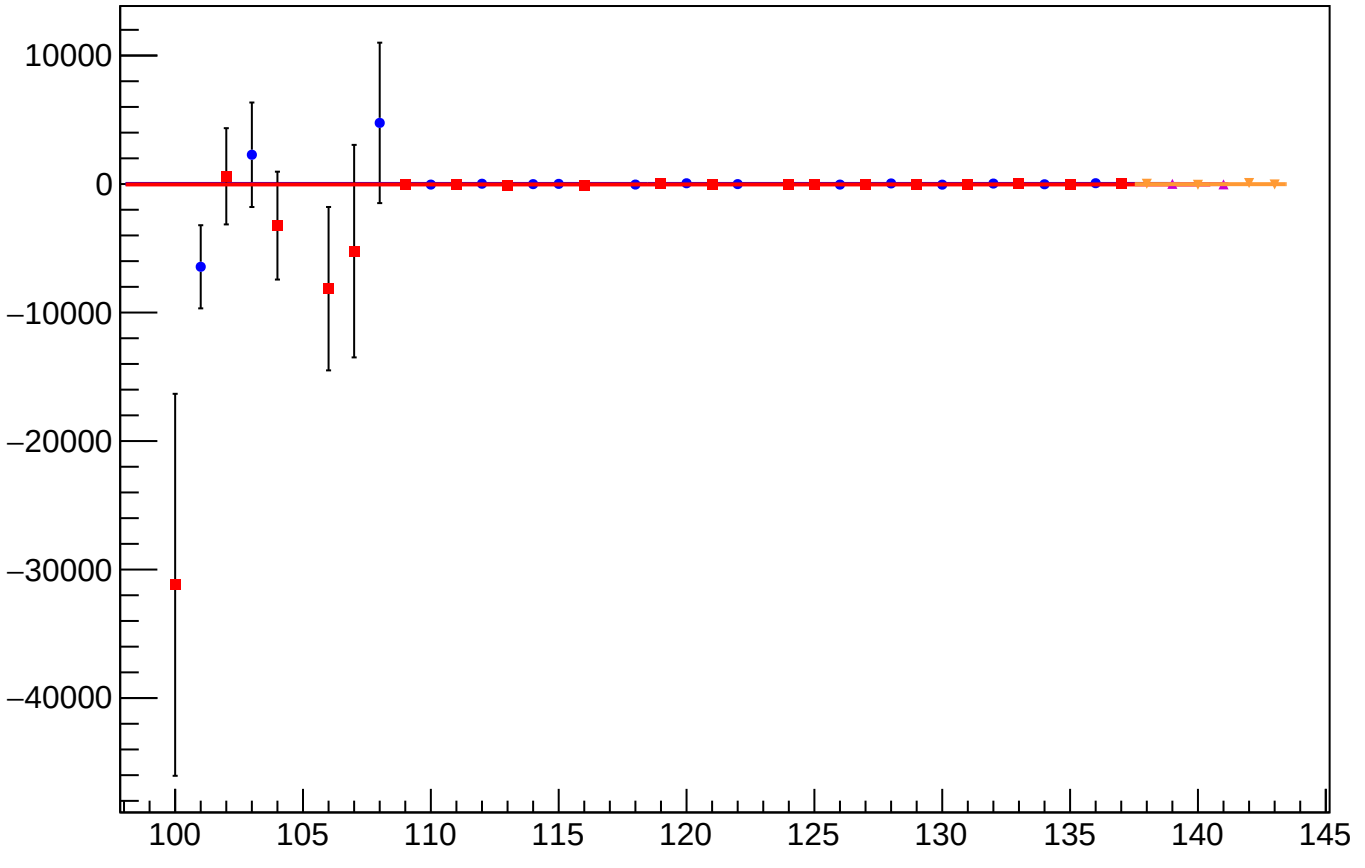
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 207.790+/-0.113 χ^2/NDF:34.7/1

+ sign 201.352+/-0.051 χ^2/NDF: 3978322.3/19

All: 189.757+/-0.035 χ^2/NDF: 8476714.6/40

- sign 178.752+/-0.049 χ^2/NDF: 4396799.8/20



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.615+/-17.460 χ^2/NDF:7.6/3

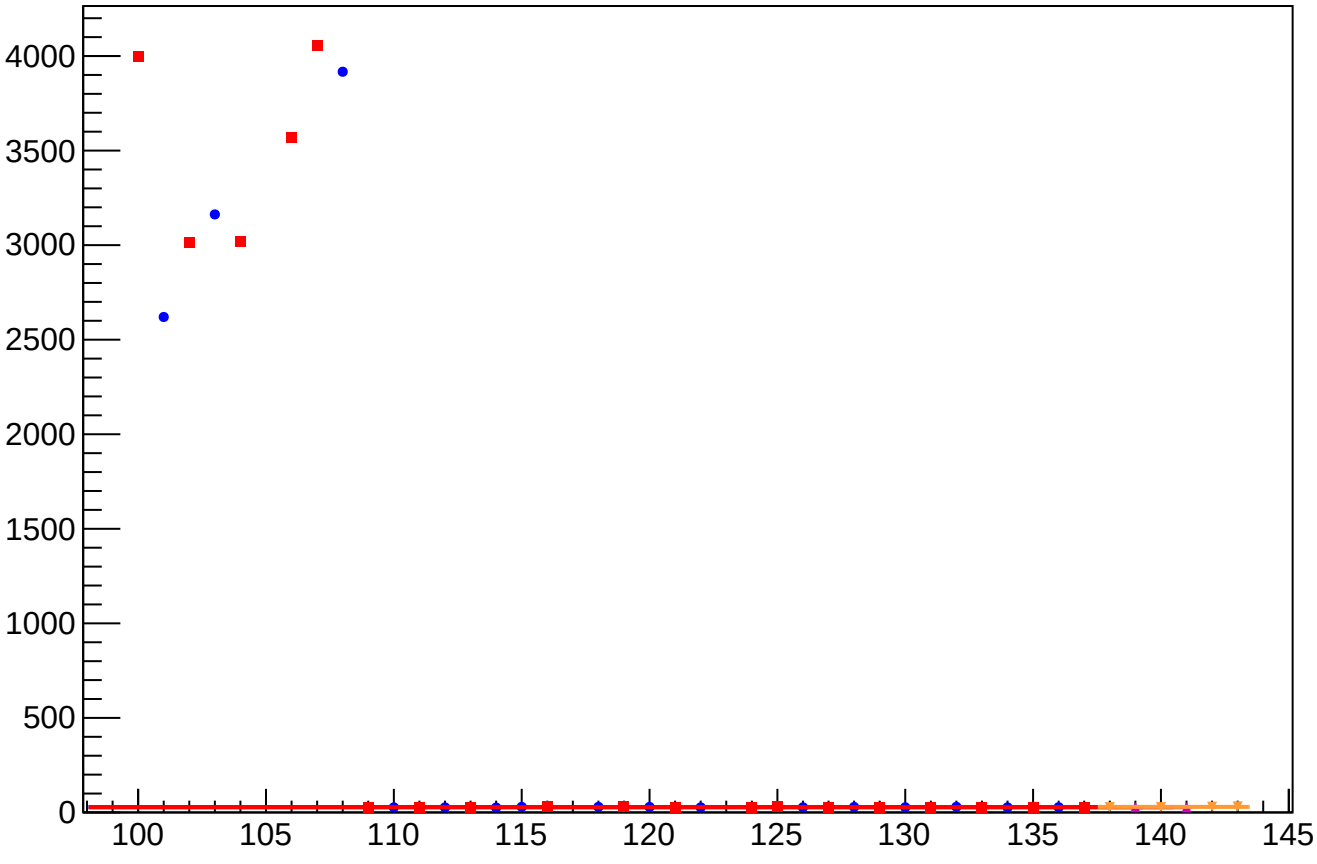
Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: -5.222+/-21.079 χ^2/NDF:0.9/1

+ sign 1.462+/-9.756 χ^2/NDF: 26.5/19

All: -10.849+/-7.104 χ^2/NDF: 51.7/40

- sign -24.740+/-10.364 χ^2/NDF: 21.9/20



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.431+/-0.012 χ^2/NDF:17054.8/3

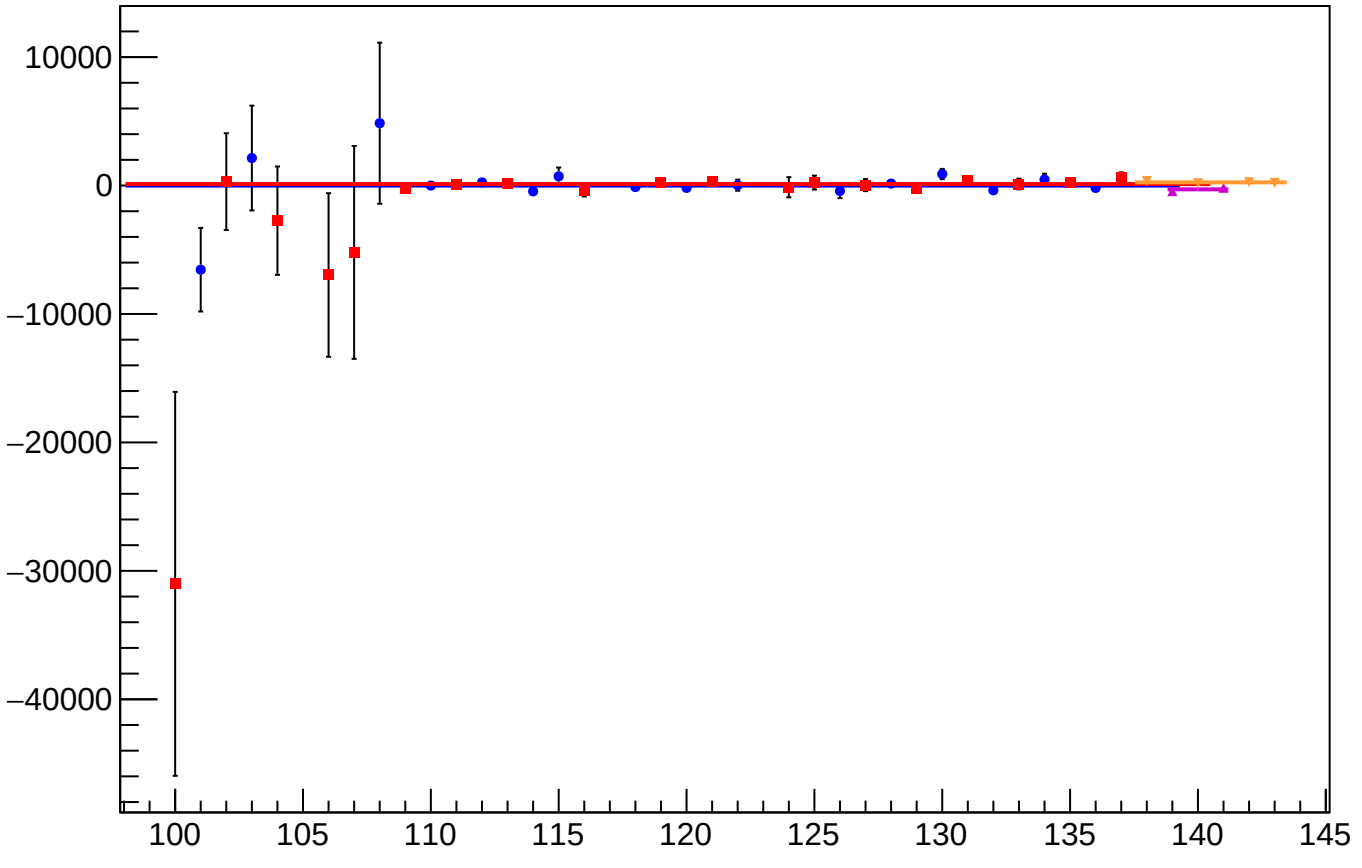
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 27.662+/-0.015 χ^2/NDF:913.0/1

+ sign 28.326+/-0.007 χ^2/NDF: 3294584.7/19

All: 28.047+/-0.005 χ^2/NDF: 6857696.8/40

- sign 27.731+/-0.007 χ^2/NDF: 3559618.6/20



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 247.801+/-138.417 χ^2/NDF:0.2/3

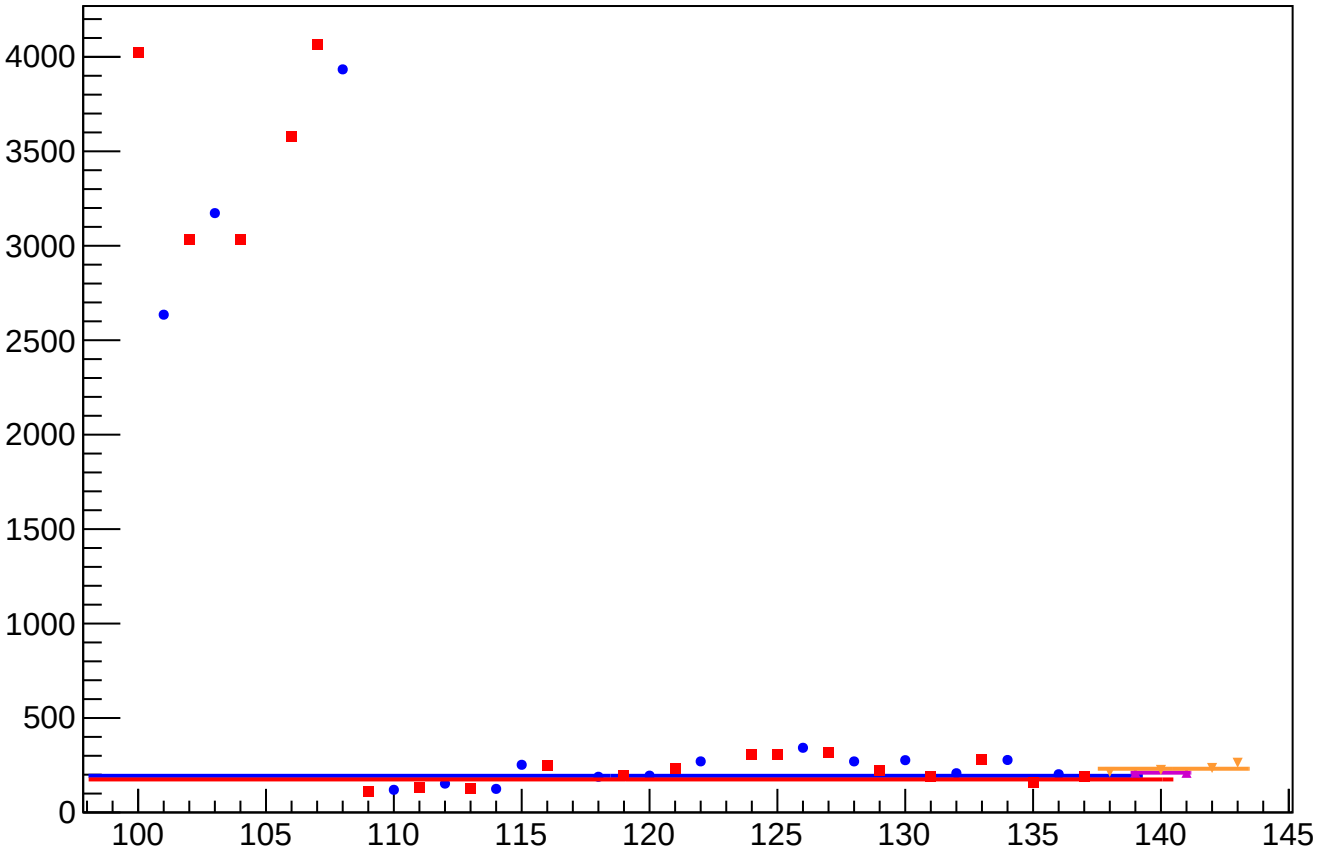
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -296.721+/-161.722 χ^2/NDF:0.7/1

+ sign 66.423+/-72.746 χ^2/NDF: 20.9/19

All: 51.018+/-50.792 χ^2/NDF: 40.7/40

- sign 36.365+/-70.949 χ^2/NDF: 19.7/20



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 231.426+/-0.098 χ^2/NDF:34822.4/3

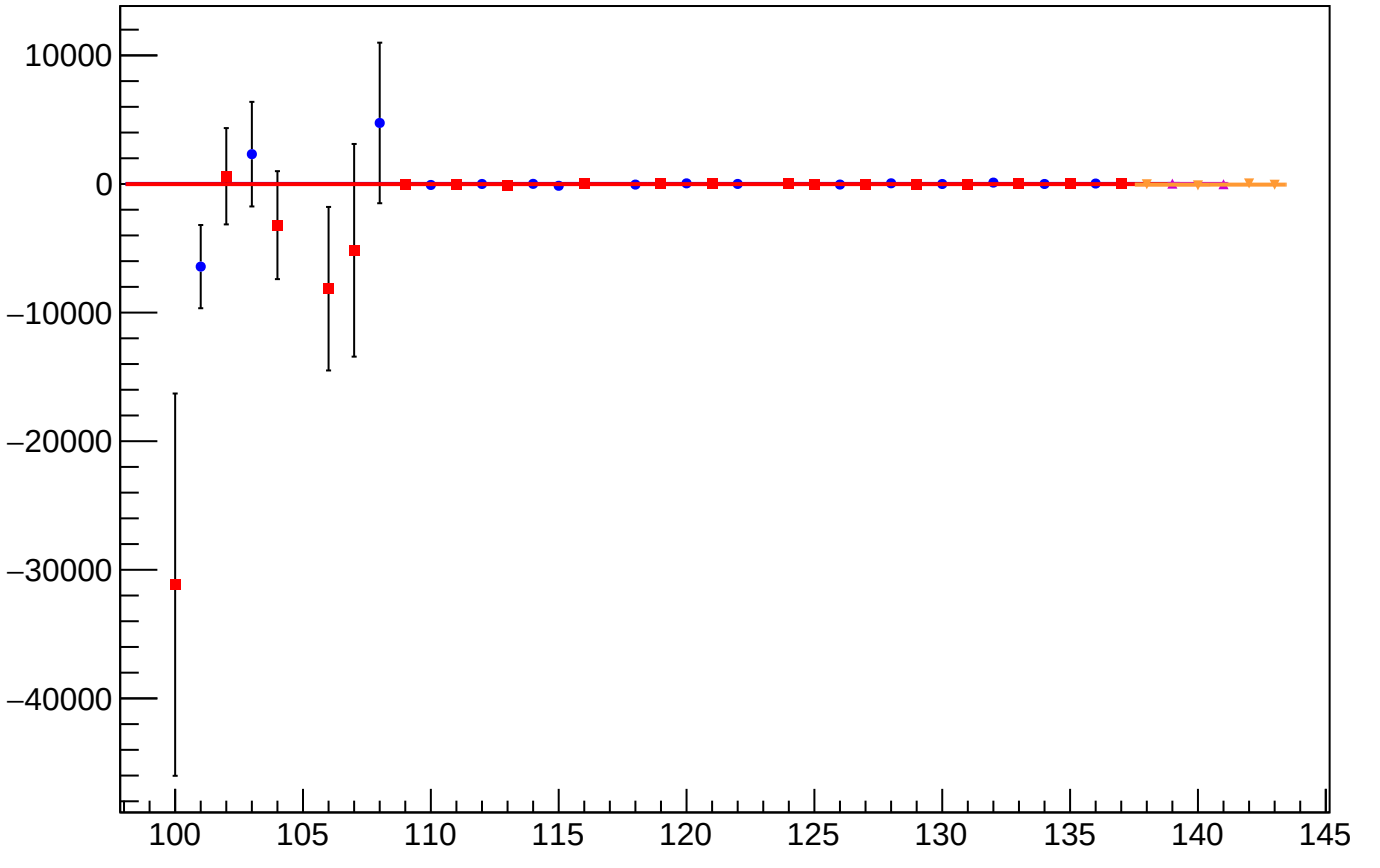
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 210.667+/-0.114 χ^2/NDF:38.8/1

+ sign 204.299+/-0.051 χ^2/NDF: 3925423.0/19

All: 192.710+/-0.036 χ^2/NDF: 8363352.4/40

- sign 181.687+/-0.050 χ^2/NDF: 4338894.8/20



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -48.357+/-20.804 χ^2/NDF:5.8/3

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

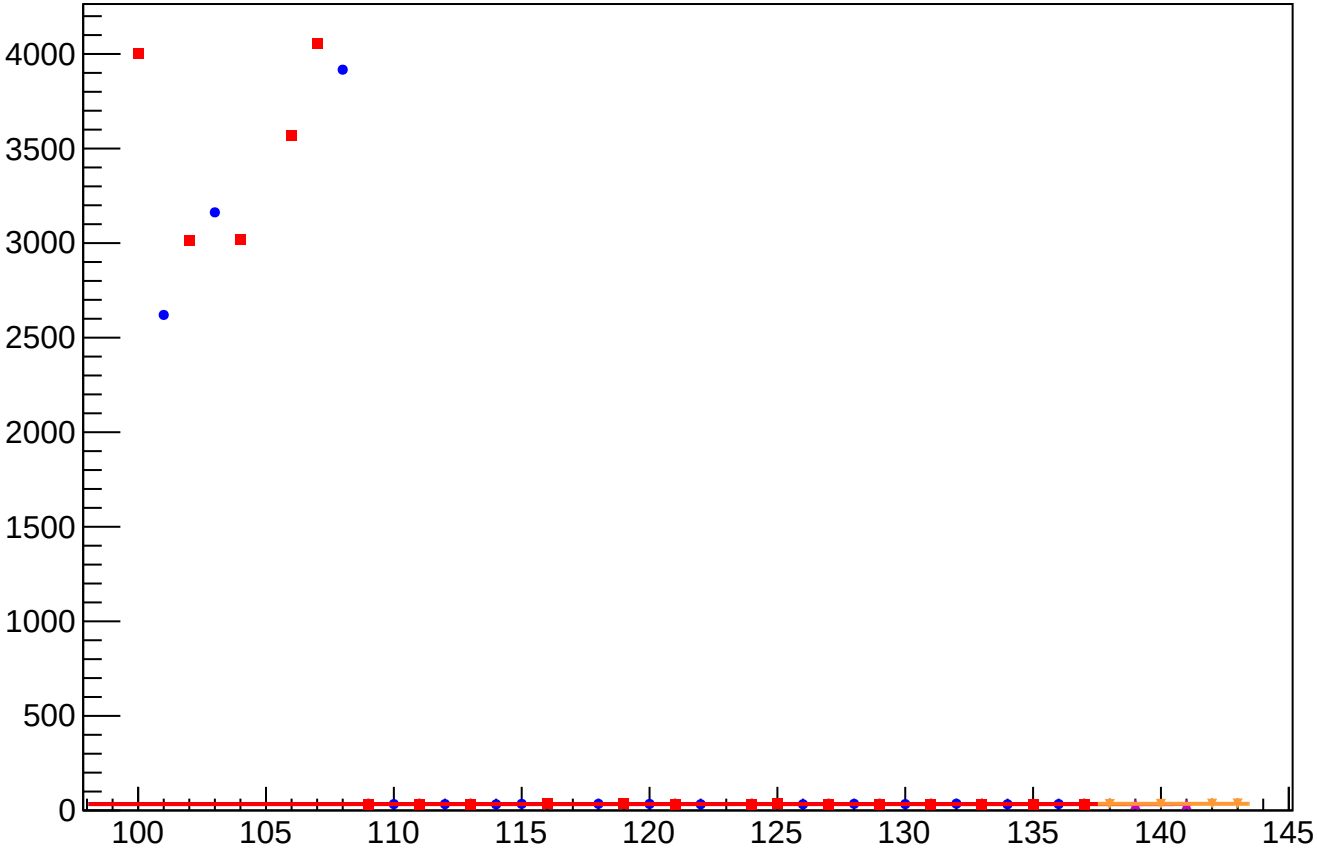
Left In: 6.341+/-25.719 χ^2/NDF:0.8/1

\+ sign -11.681+/-11.788 χ^2/NDF: 27.9/19

All: -9.068+/-8.604 χ^2/NDF: 52.5/40

\- sign -6.089+/-12.586 χ^2/NDF: 24.5/20

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: 35.168+/-0.015 χ^2/NDF:6182.8/3

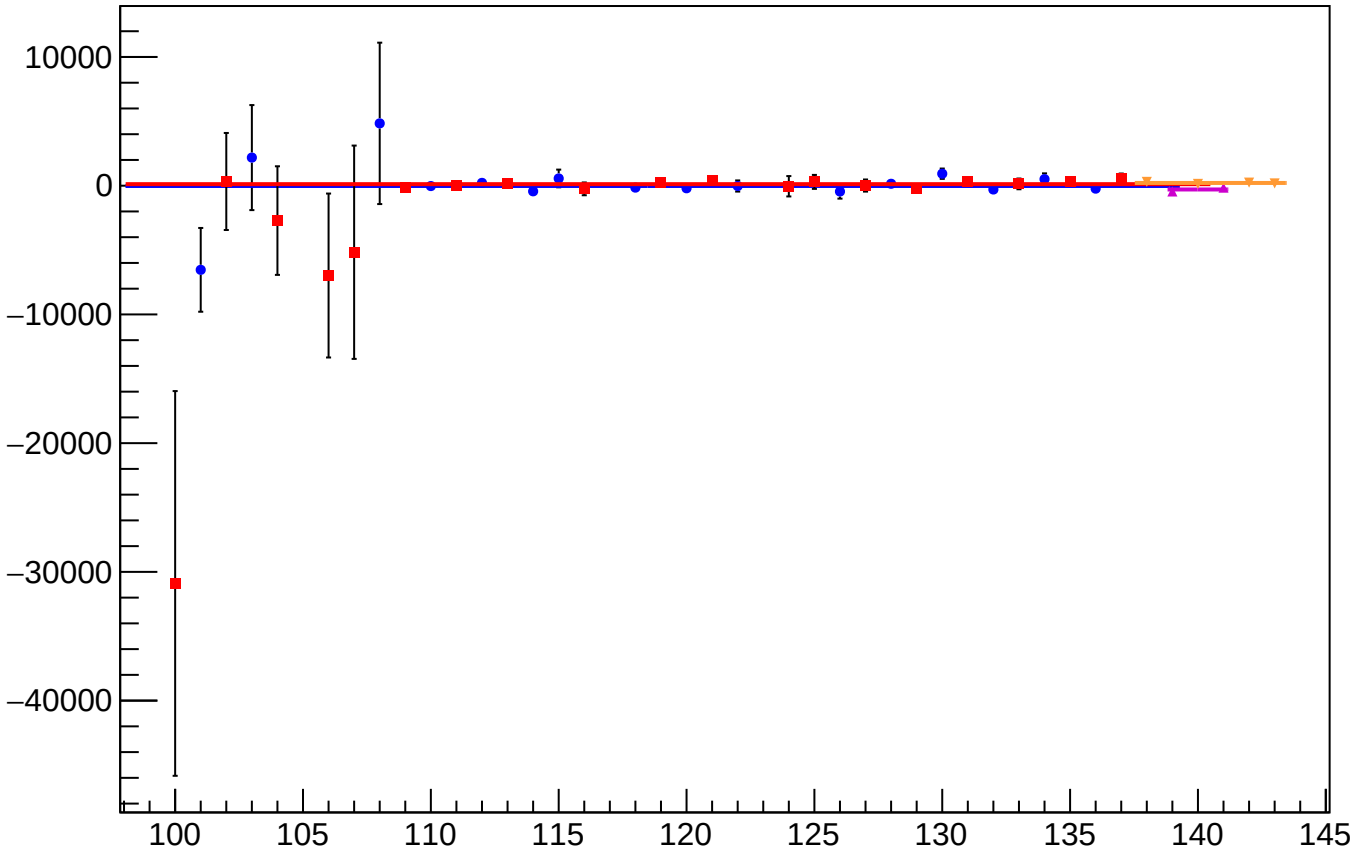
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 33.785+/-0.018 χ^2/NDF:318.8/1

+ sign 34.307+/-0.008 χ^2/NDF: 3255611.8/19

All: 34.042+/-0.006 χ^2/NDF: 6784560.0/40

- sign 33.740+/-0.009 χ^2/NDF: 3526790.6/20



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 213.262+/-137.260 χ^2/NDF:0.2/3

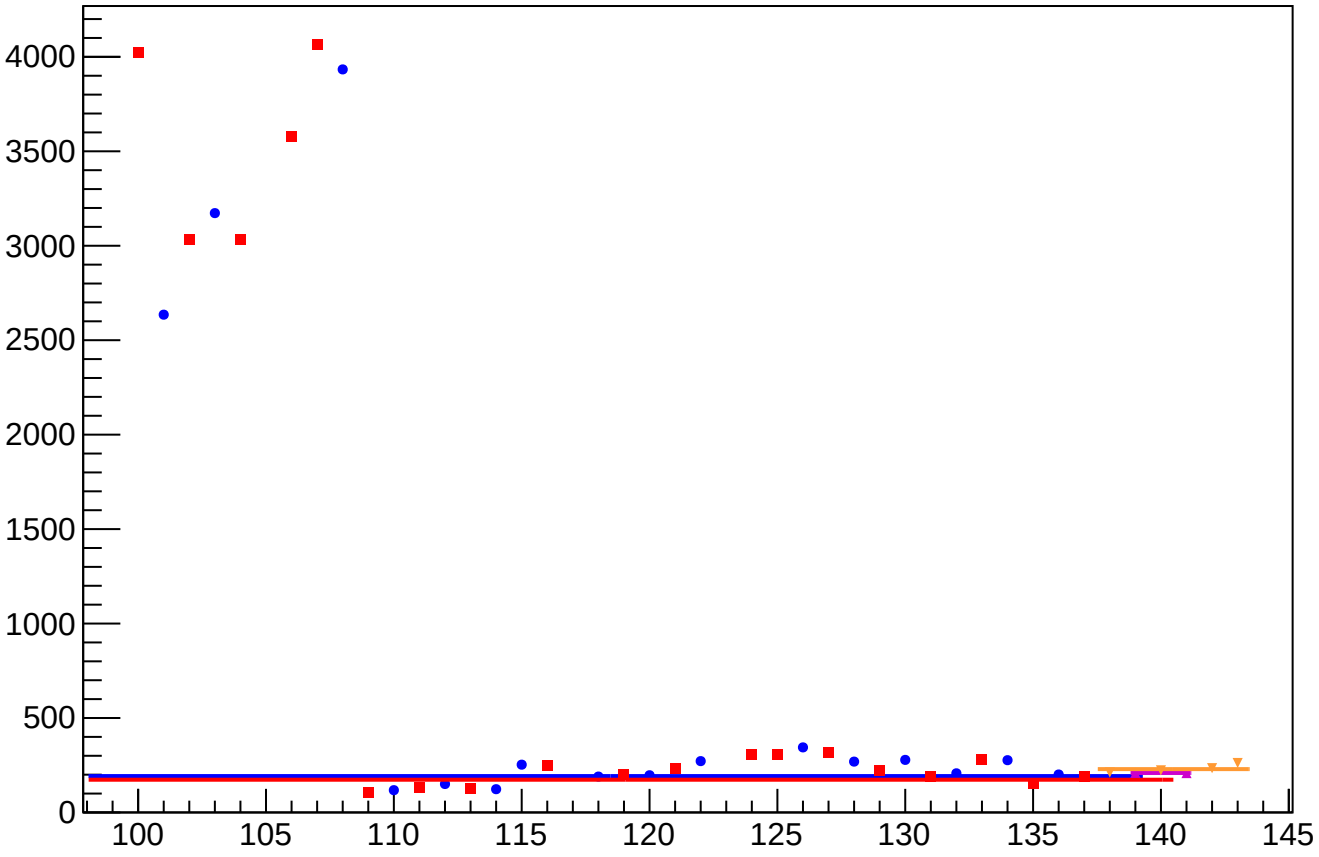
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -293.298+/-160.466 χ^2/NDF:0.8/1

\+ sign 45.072+/-72.304 χ^2/NDF: 20.5/19

All: 42.575+/-50.470 χ^2/NDF: 40.0/40

\- sign 40.201+/-70.482 χ^2/NDF: 19.5/20



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.425+/-0.097 χ^2/NDF:37321.5/3

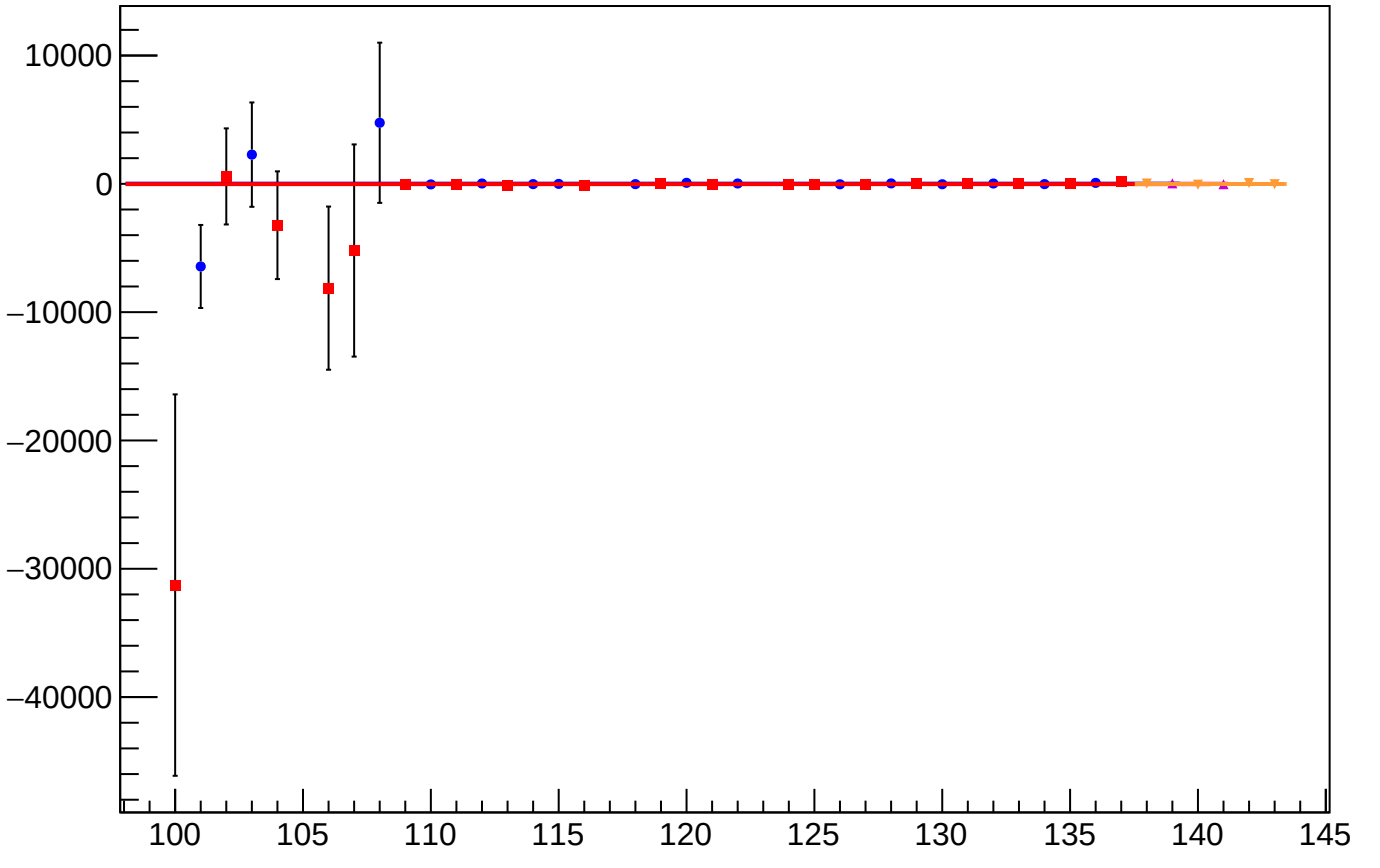
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 209.007+/-0.113 χ^2/NDF:27.7/1

+ sign 202.789+/-0.051 χ^2/NDF: 3964346.0/19

All: 191.180+/-0.036 χ^2/NDF: 8452513.5/40

- sign 180.148+/-0.050 χ^2/NDF: 4387603.0/20



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.388+/-19.013 χ^2/NDF:6.1/3

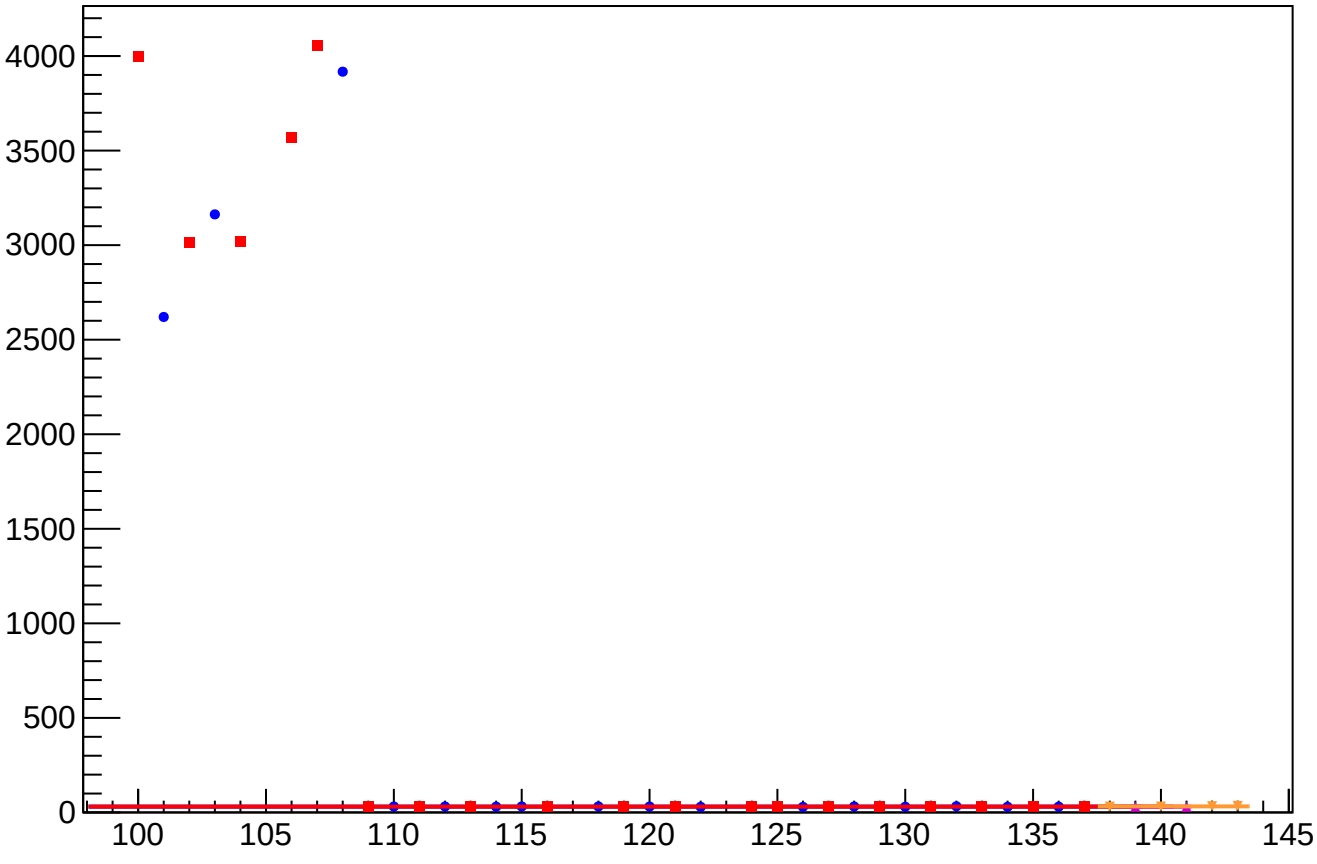
Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 4.885+/-23.139 χ^2/NDF:2.1/1

+ sign 5.344+/-10.766 χ^2/NDF: 22.9/19

All: -4.829+/-7.844 χ^2/NDF: 56.7/40

- sign -16.342+/-11.453 χ^2/NDF: 31.9/20



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.085+/-0.013 χ^2/NDF:14979.3/3

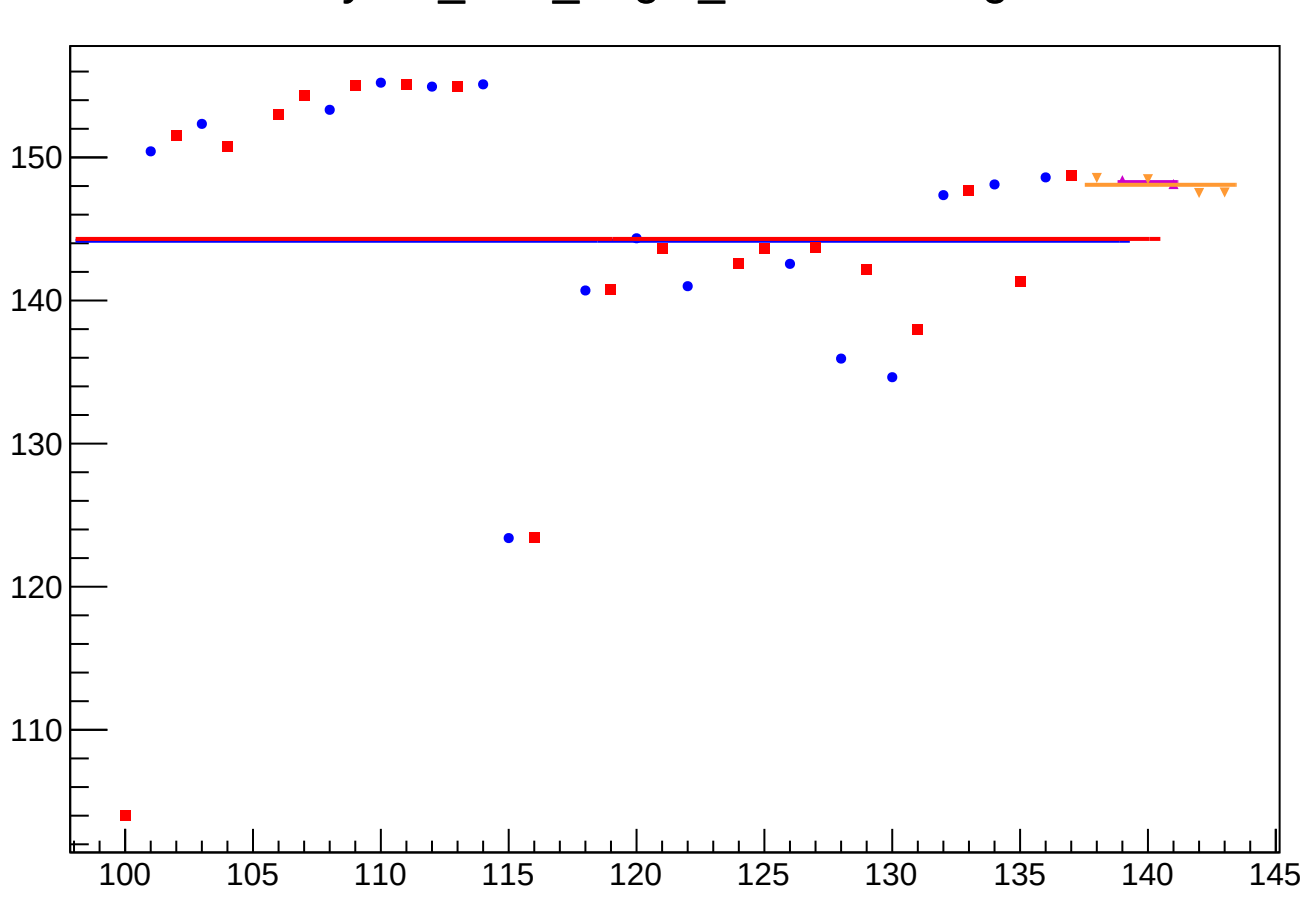
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 30.386+/-0.016 χ^2/NDF:488.1/1

+ sign 31.299+/-0.008 χ^2/NDF: 3272616.3/19

All: 31.009+/-0.006 χ^2/NDF: 6812861.8/40

- sign 30.681+/-0.008 χ^2/NDF: 3537153.4/20



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.087+/-0.000 χ^2/NDF:7289381.5/3

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

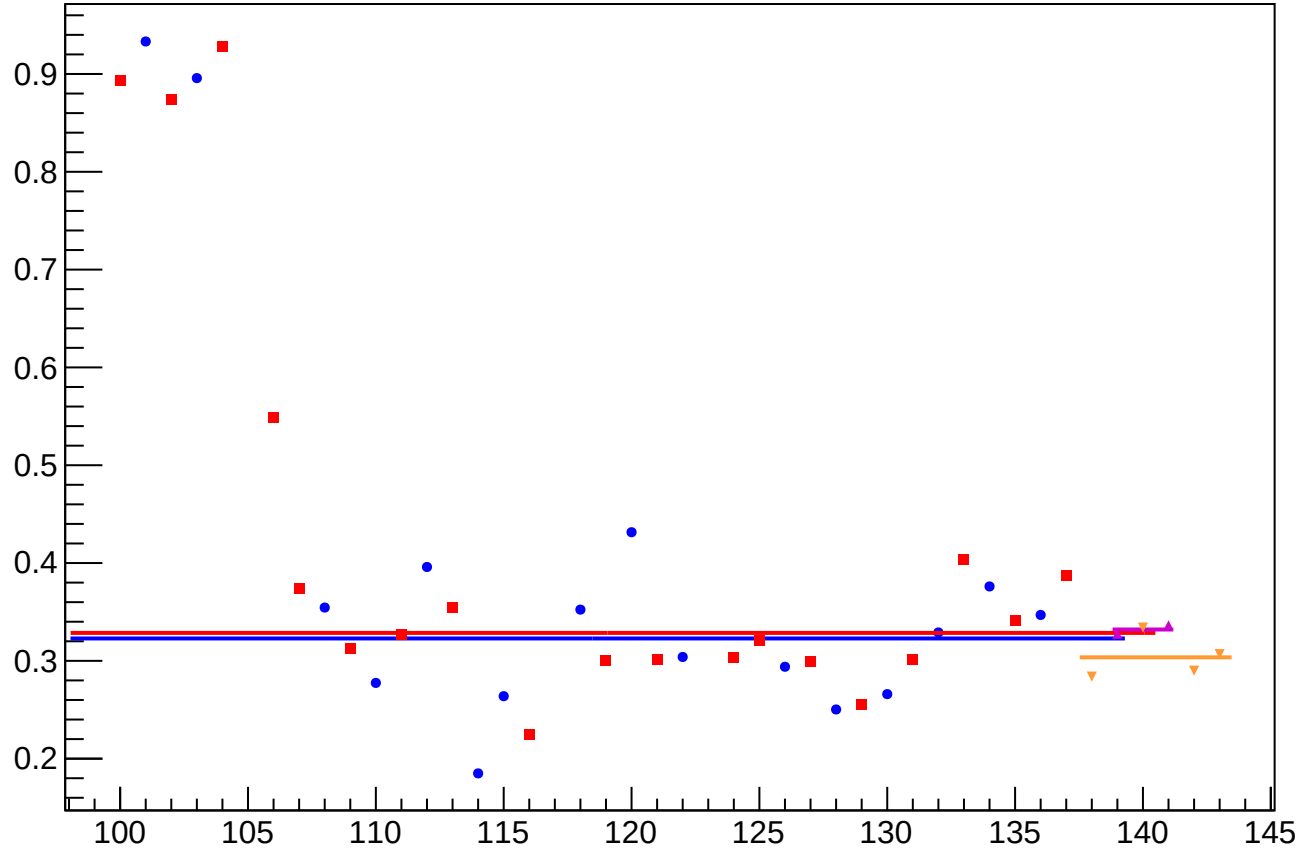
Left In: 148.275+/-0.000 χ^2/NDF:278038.9/1

+ sign 145.524+/-0.000 χ^2/NDF: 4032748249.5/19

All: 145.352+/-0.000 χ^2/NDF: 8491511554.7

- sign 145.144+/-0.000 χ^2/NDF: 4453113809.2/20

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.304+/-0.000 χ^2/NDF:22985.4/3

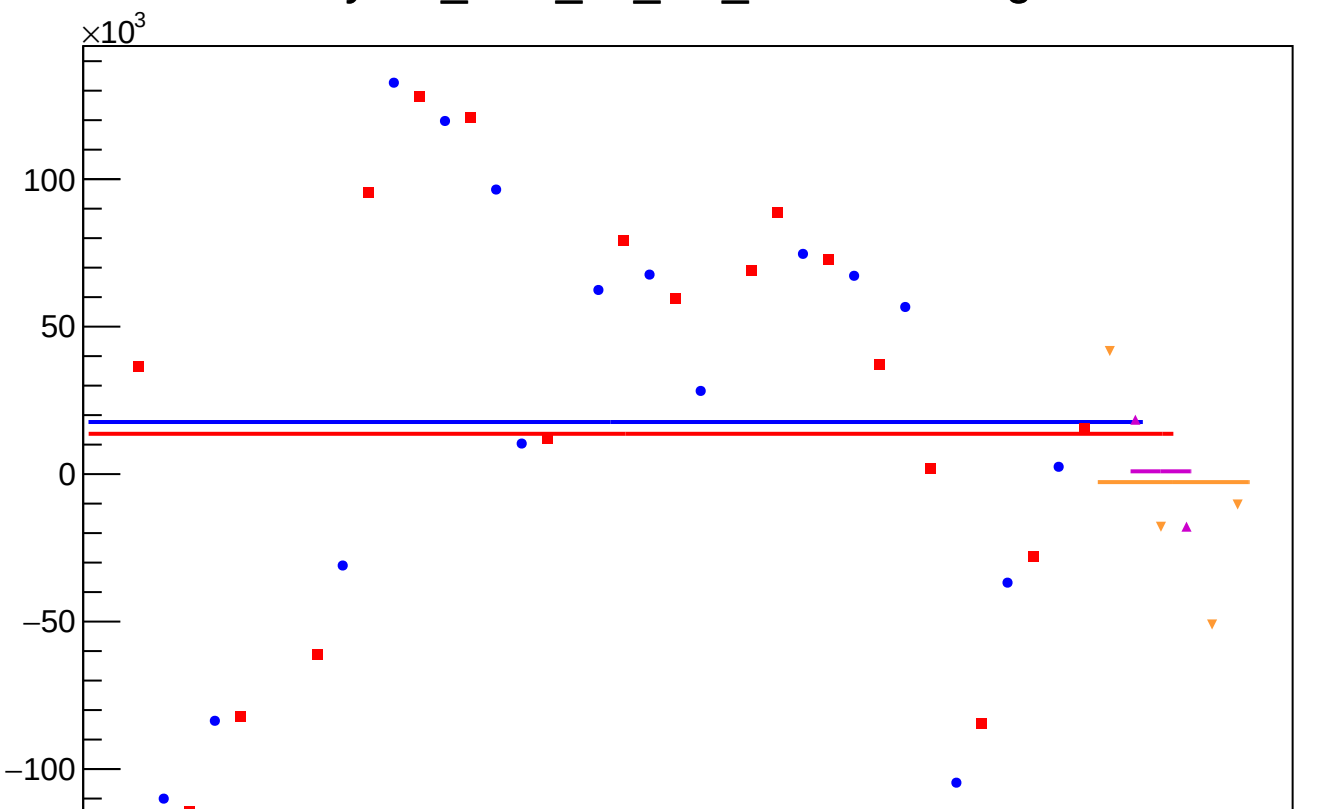
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.332+/-0.000 χ^2/NDF:575.0/1

+ sign 0.316+/-0.000 χ^2/NDF: 1433653.6/19

All: 0.322+/-0.000 χ^2/NDF: 2752075.2/40

- sign 0.329+/-0.000 χ^2/NDF: 1305012.0/20



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -2711.618+/-3.004 χ^2/NDF:120194604.2/3

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

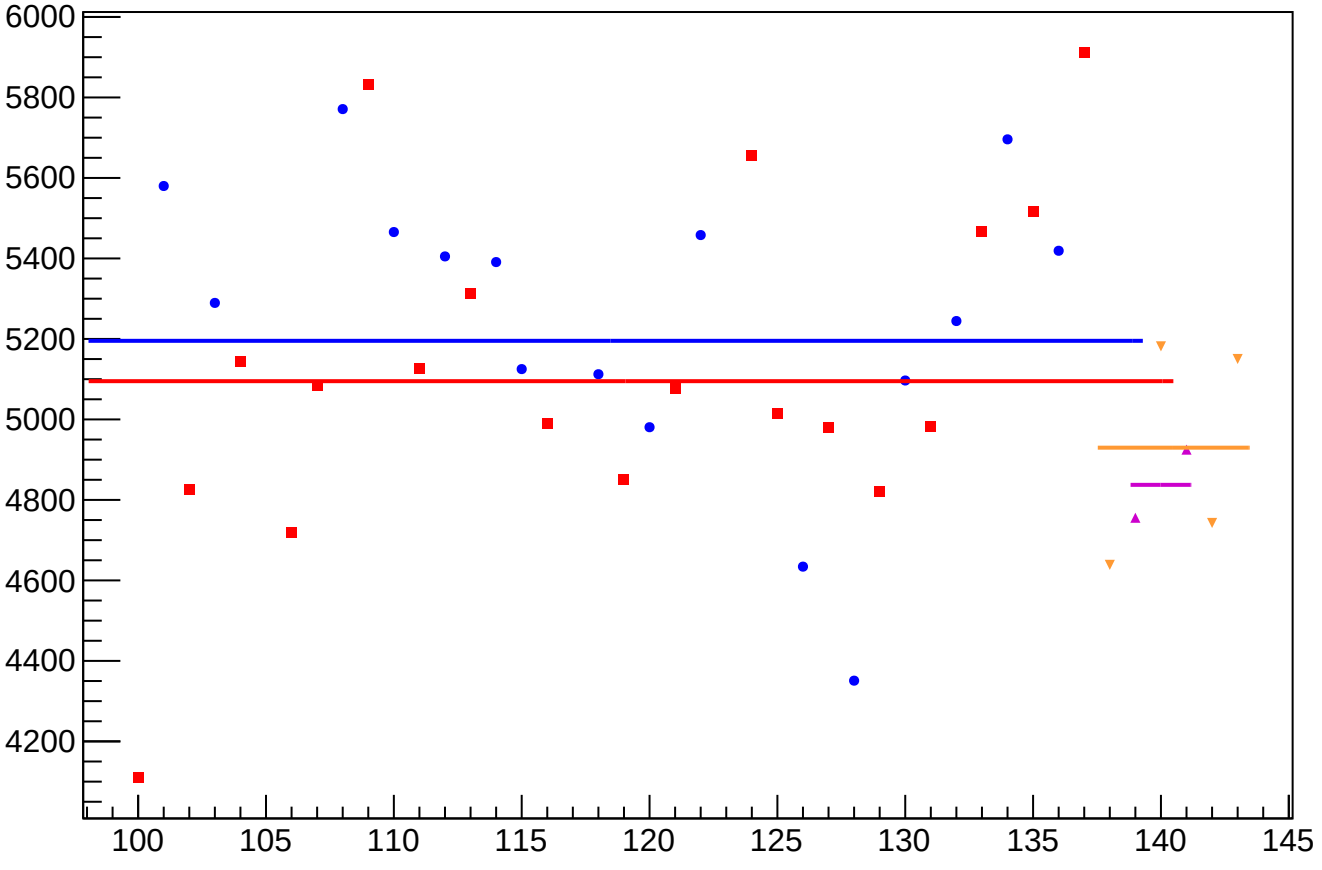
Left In: 942.558+/-3.821 χ^2/NDF:22491248.6/1

+ sign 11381.573+/-1.668 χ^2/NDF: 1550757905.8/1

All: 11240.499+/-1.197 χ^2/NDF: 343907145

- sign 11090.640+/-1.719 χ^2/NDF: 1888298795.1/2

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4929.813+/-2.124 χ^2/NDF:13659.4/3

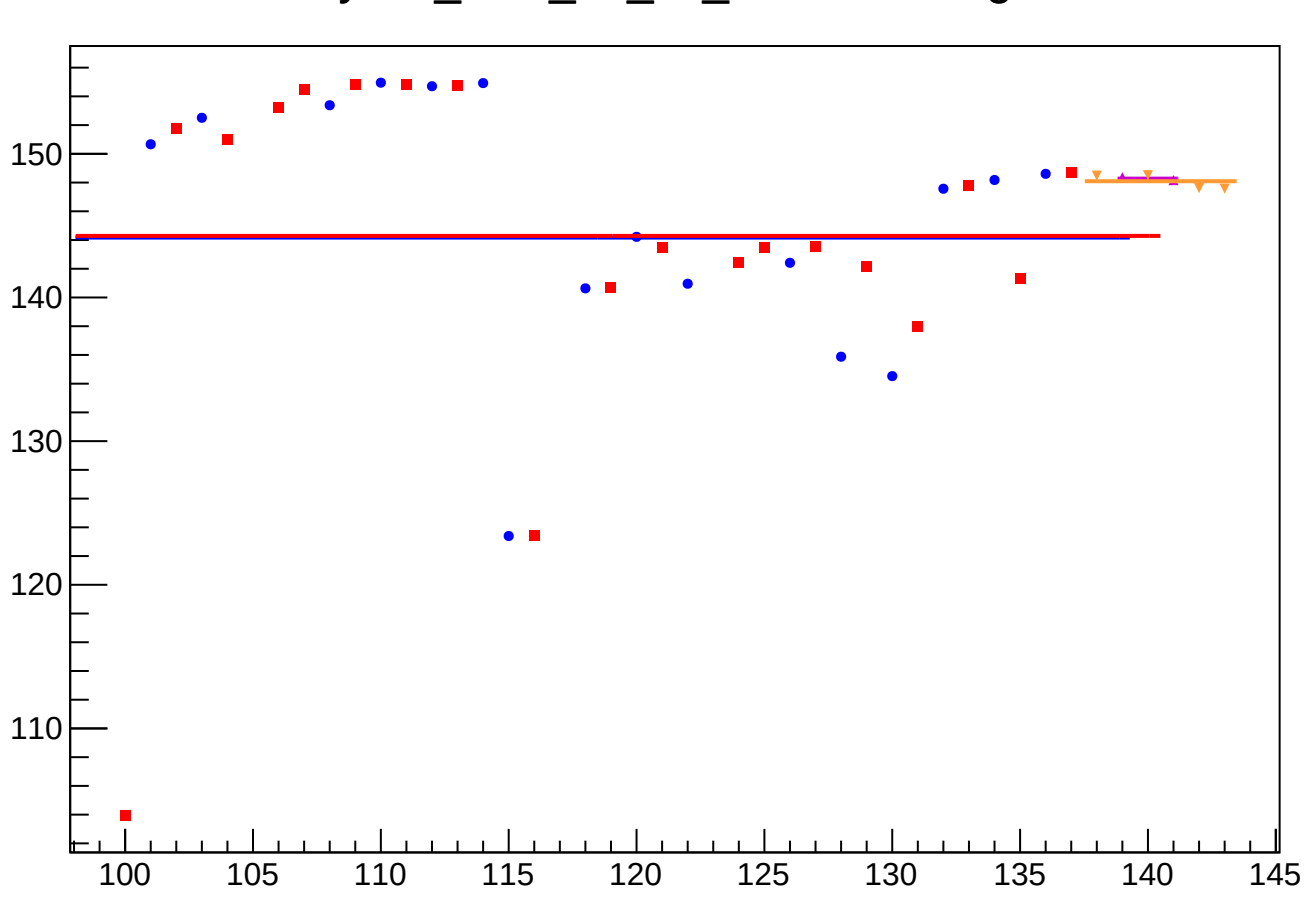
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4837.430+/-2.702 χ^2/NDF:979.7/1

\+ sign 5113.443+/-1.179 χ^2/NDF: 101631.2/19

All: 5079.236+/-0.846 χ^2/NDF: 170709.3/40

\- sign 5042.898+/-1.216 χ^2/NDF: 67343.2/20



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.094+/-0.000 χ^2/NDF:6095990.2/3

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

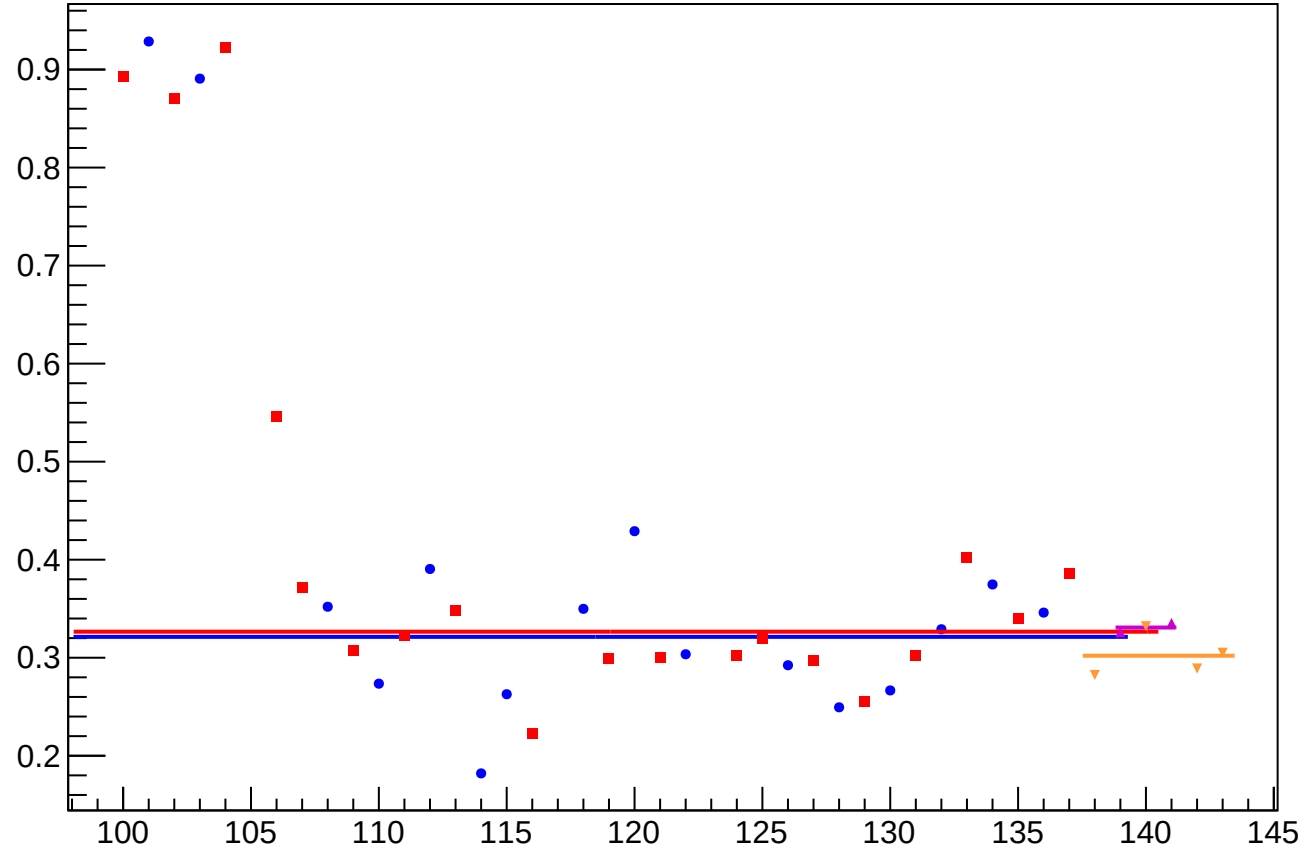
Left In: 148.274+/-0.000 χ^2/NDF:167279.3/1

+ sign 145.524+/-0.000 χ^2/NDF: 4076597853.5/19

All: 145.345+/-0.000 χ^2/NDF: 8564731662.9

- sign 145.127+/-0.000 χ^2/NDF: 4481881321.7/20

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.302+/-0.000 χ^2/NDF:22681.6/3

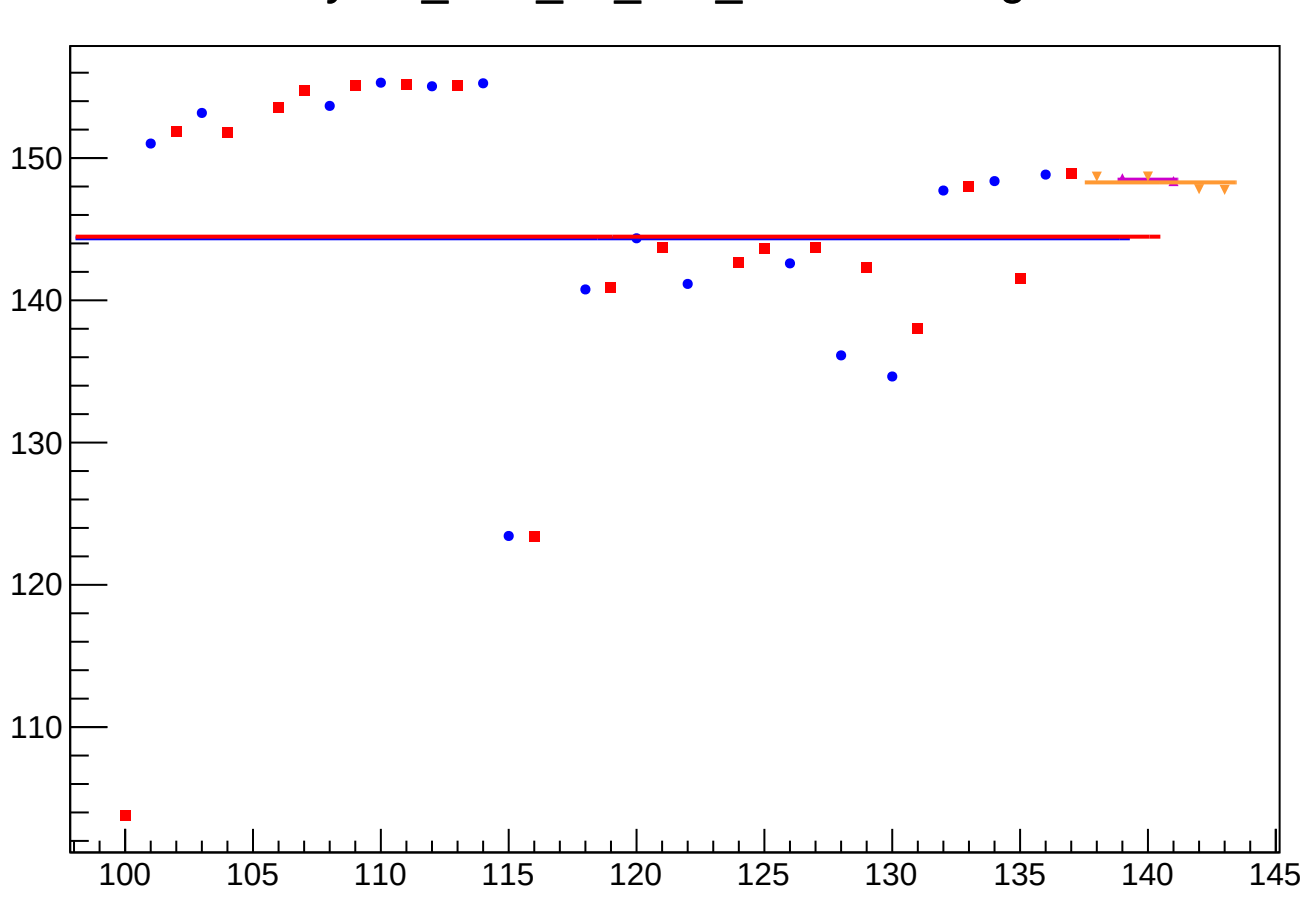
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.331+/-0.000 χ^2/NDF:664.6/1

+ sign 0.315+/-0.000 χ^2/NDF: 1433671.9/19

All: 0.320+/-0.000 χ^2/NDF: 2750514.3/40

- sign 0.327+/-0.000 χ^2/NDF: 1303829.8/20



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.289+/-0.000 χ^2/NDF:6219271.0/3

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

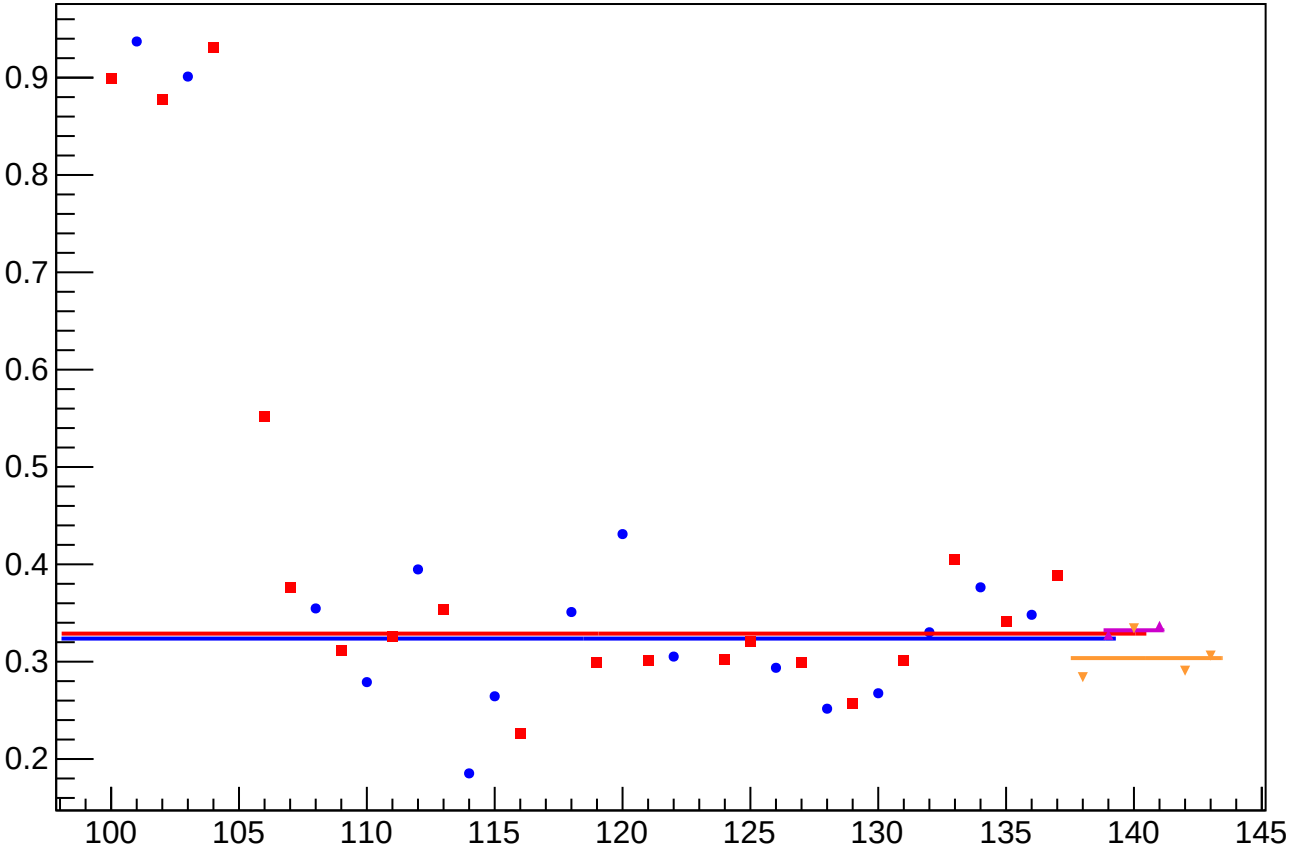
Left In: 148.482+/-0.000 χ^2/NDF:149776.9/1

+ sign 145.718+/-0.000 χ^2/NDF: 4067822330.9/19

All: 145.539+/-0.000 χ^2/NDF: 8547596656.5

- sign 145.322+/-0.000 χ^2/NDF: 4473632718.5/20

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.304+/-0.000 χ^2/NDF:22821.6/3

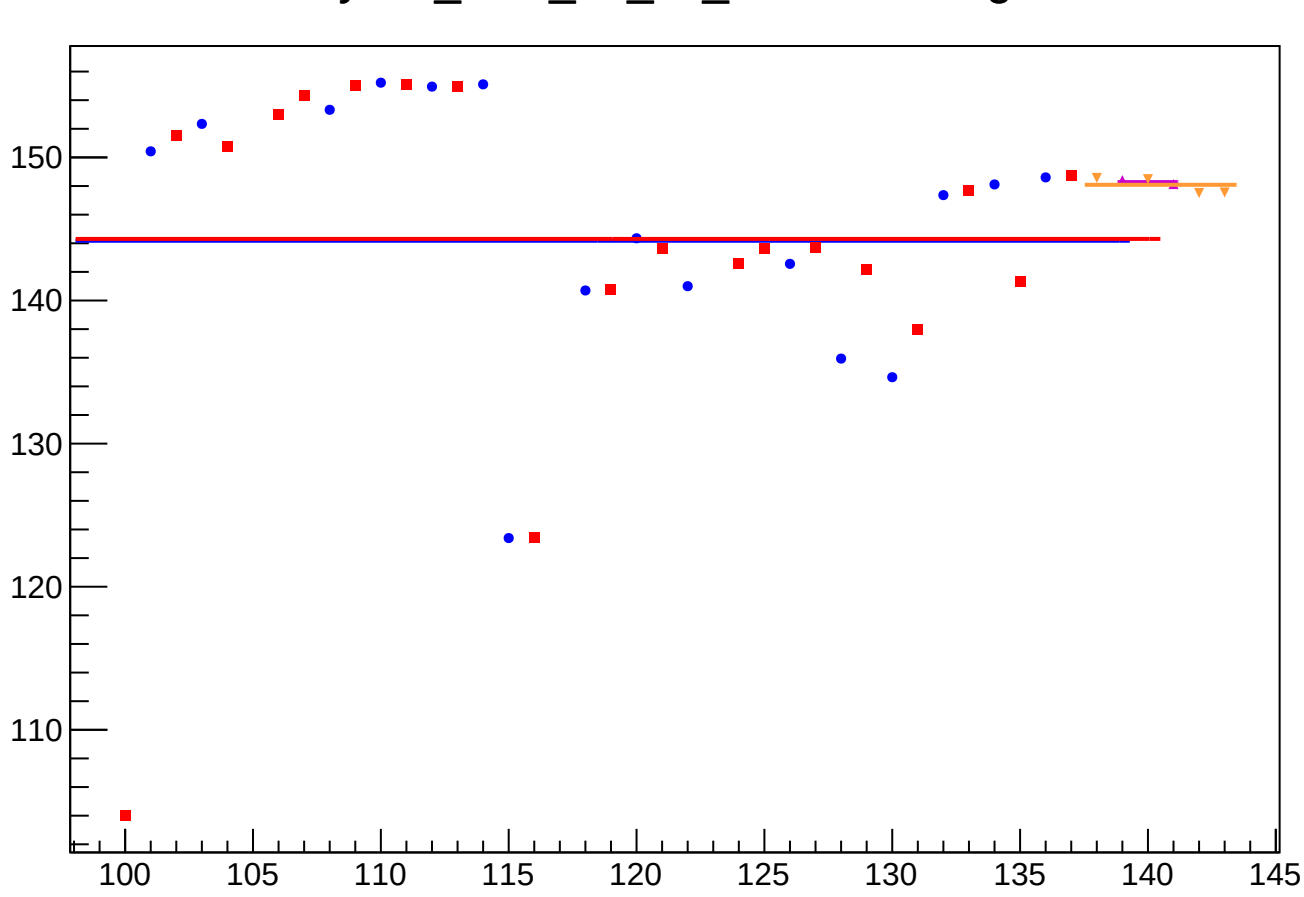
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.332+/-0.000 χ^2/NDF:641.2/1

+ sign 0.317+/-0.000 χ^2/NDF: 1430972.3/19

All: 0.323+/-0.000 χ^2/NDF: 2747877.0/40

- sign 0.330+/-0.000 χ^2/NDF: 1304143.6/20



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.087+/-0.000 χ^2/NDF:7289381.5/3

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

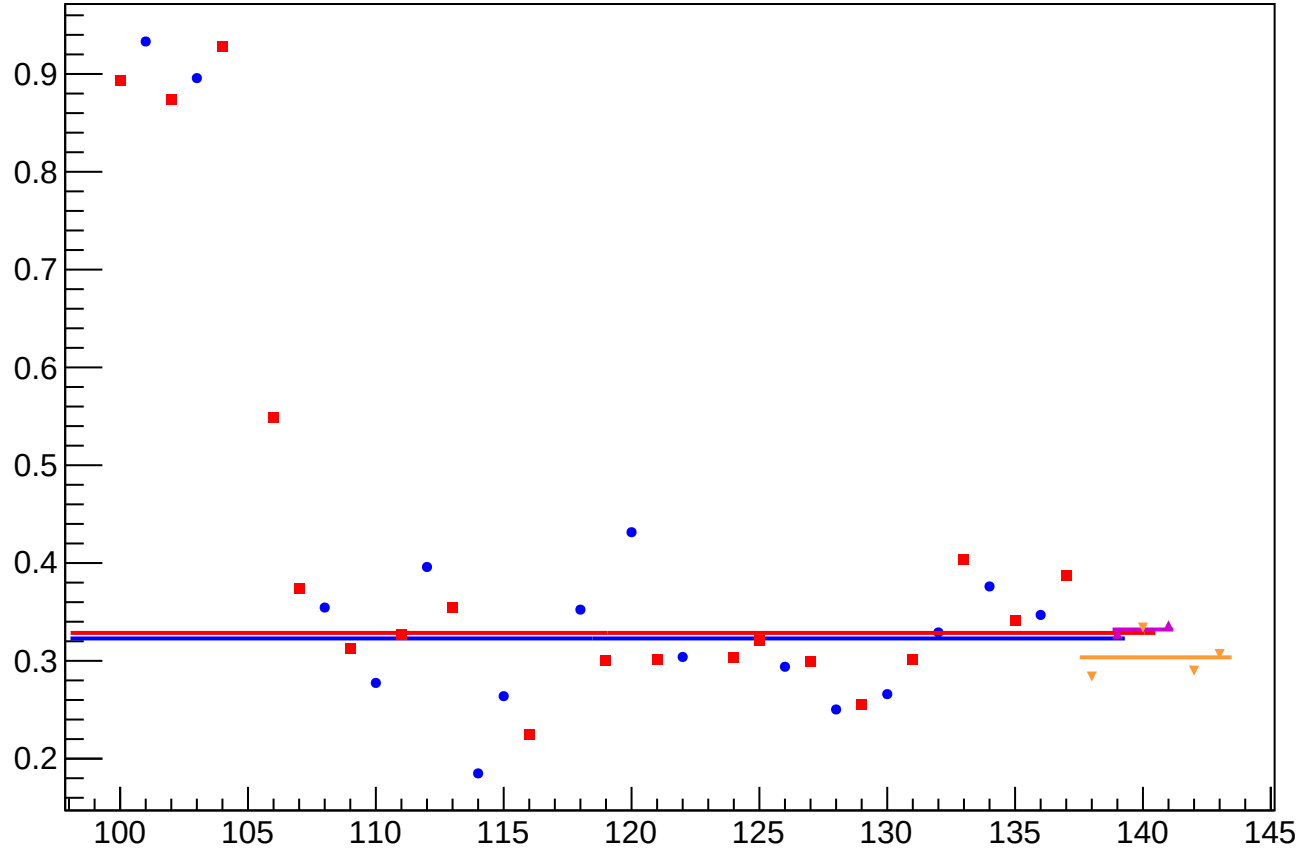
Left In: 148.275+/-0.000 χ^2/NDF:278038.9/1

+ sign 145.524+/-0.000 χ^2/NDF: 4032748249.5/19

All: 145.352+/-0.000 χ^2/NDF: 8491511554.7

- sign 145.144+/-0.000 χ^2/NDF: 4453113809.2/20

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.304+/-0.000 χ^2/NDF:22985.4/3

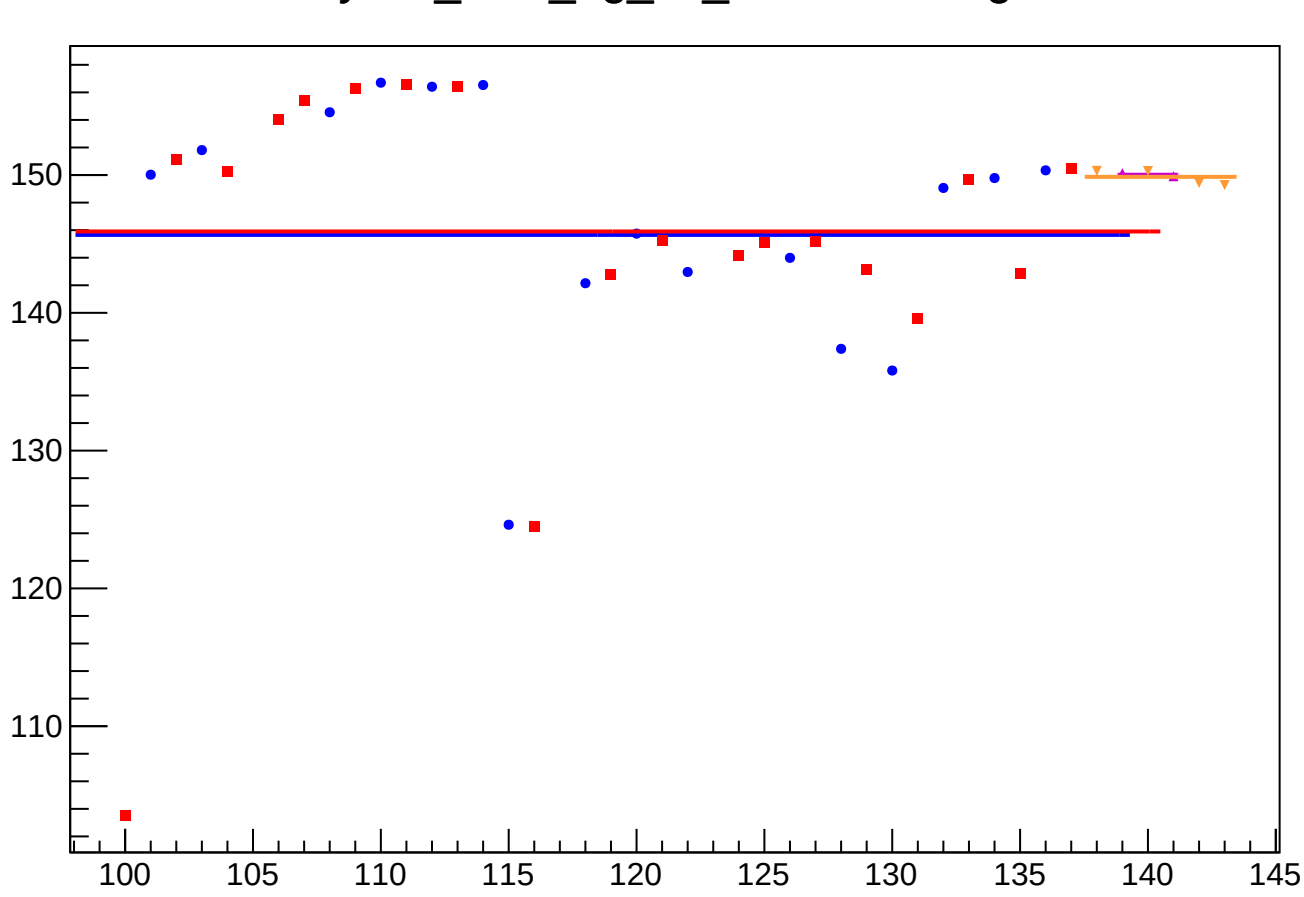
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.332+/-0.000 χ^2/NDF:575.0/1

+ sign 0.316+/-0.000 χ^2/NDF: 1433653.6/19

All: 0.322+/-0.000 χ^2/NDF: 2752075.2/40

- sign 0.329+/-0.000 χ^2/NDF: 1305012.0/20



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.870+/-0.000 χ^2/NDF:5947311.1/3

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

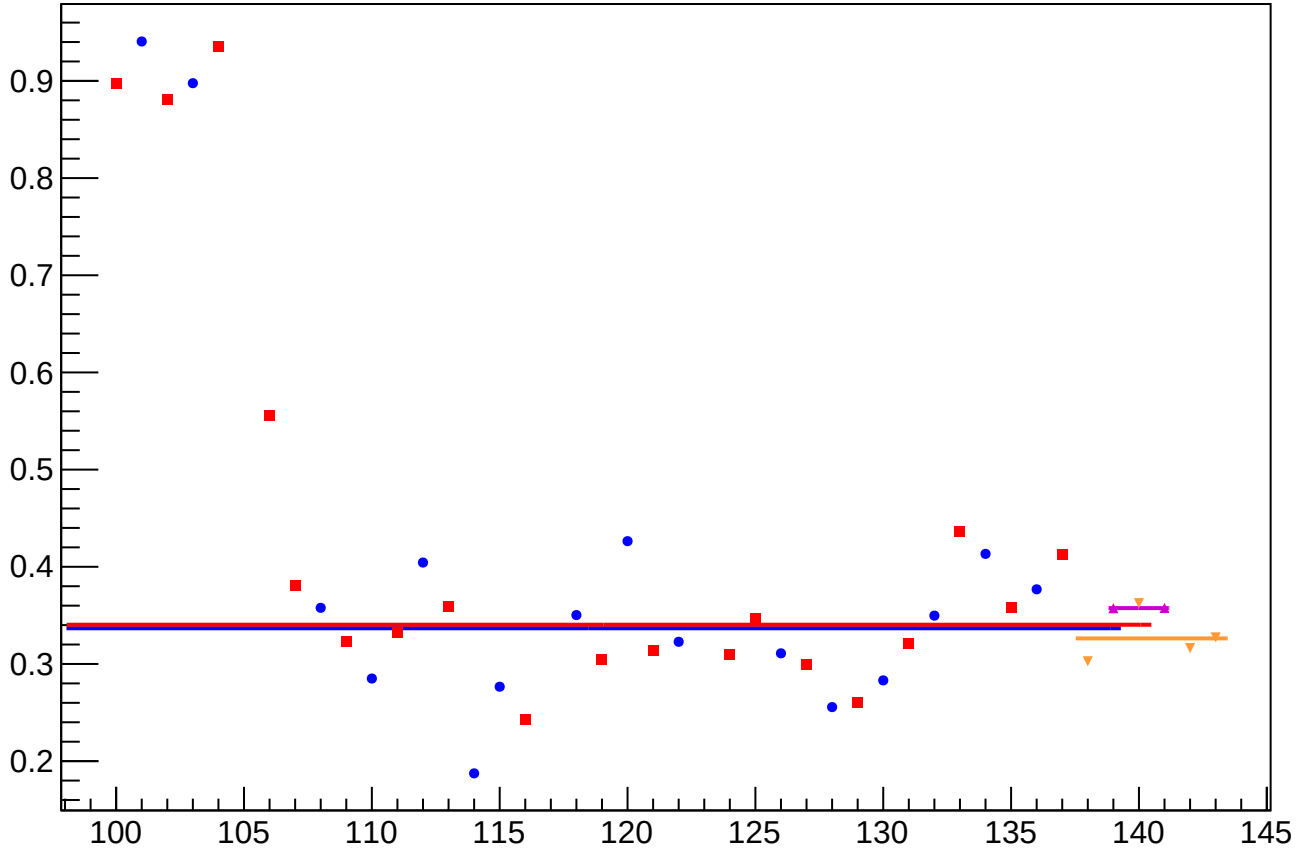
Left In: 150.023+/-0.000 χ^2/NDF:158885.0/1

+ sign 147.039+/-0.000 χ^2/NDF: 3792833634.1/19

All: 146.894+/-0.000 χ^2/NDF: 7836294322.1

- sign 146.720+/-0.000 χ^2/NDF: 4039841791.3/20

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.326+/-0.000 χ^2/NDF:26111.4/3

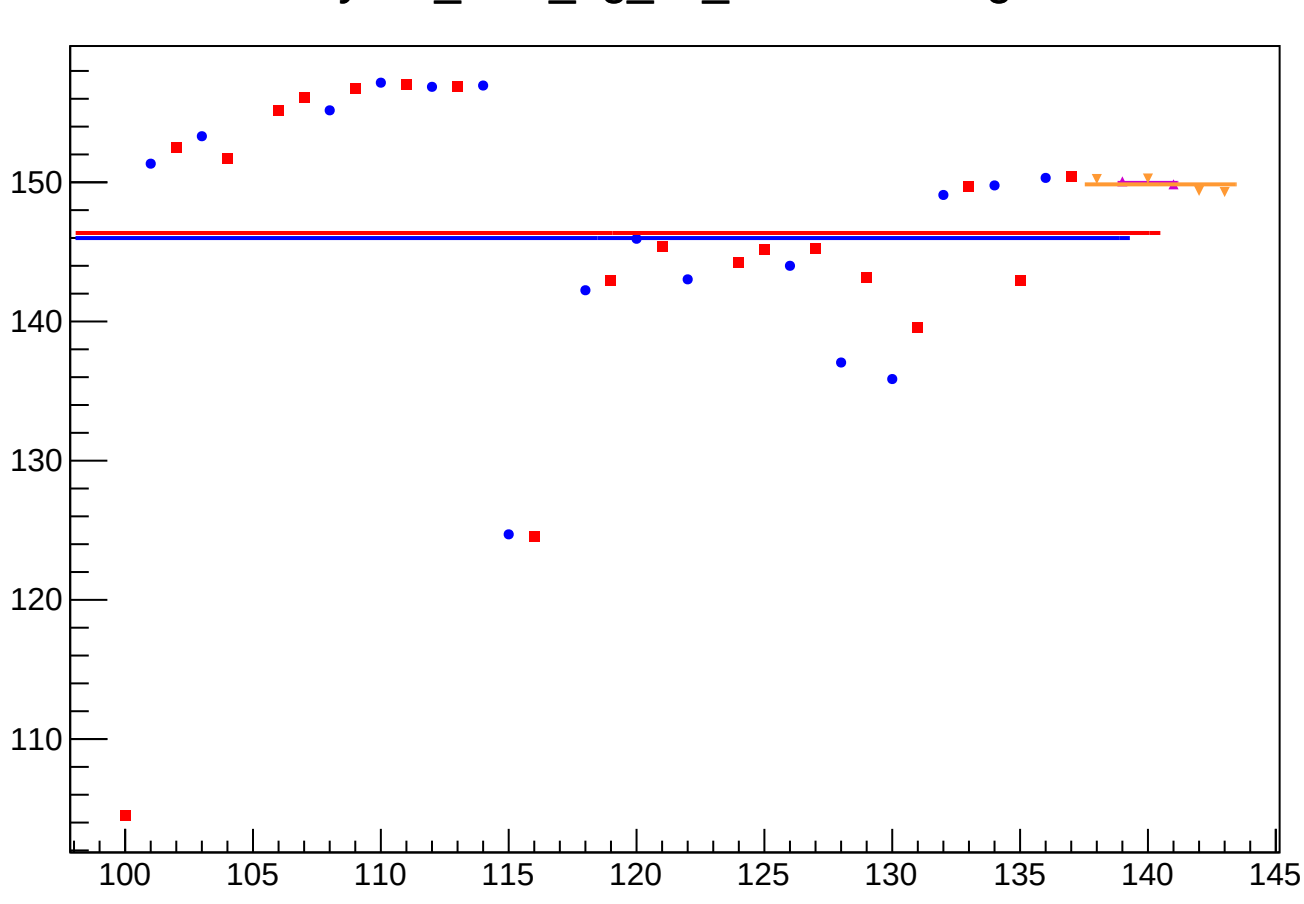
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.357+/-0.000 χ^2/NDF:0.5/1

+ sign 0.333+/-0.000 χ^2/NDF: 1400368.0/19

All: 0.338+/-0.000 χ^2/NDF: 2688975.1/40

- sign 0.344+/-0.000 χ^2/NDF: 1280821.9/20



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.851+/-0.000 χ^2/NDF:5287996.2/3

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

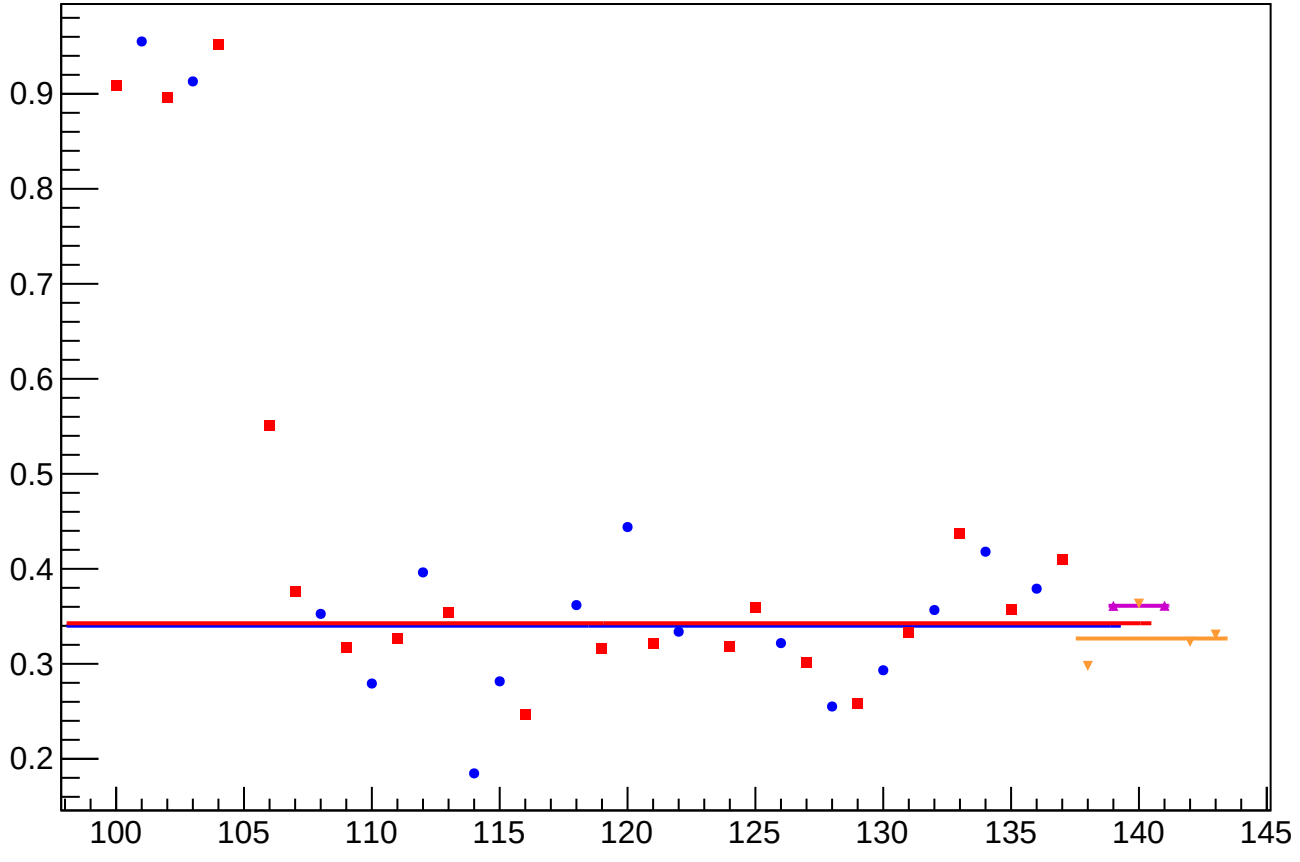
Left In: 149.957+/-0.000 χ^2/NDF:140475.0/1

+ sign 147.272+/-0.000 χ^2/NDF: 3879713466.3/19

All: 147.178+/-0.000 χ^2/NDF: 7976364923.2

- sign 147.067+/-0.000 χ^2/NDF: 4095187050.4/20

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.327+/-0.000 χ^2/NDF:30552.6/3

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

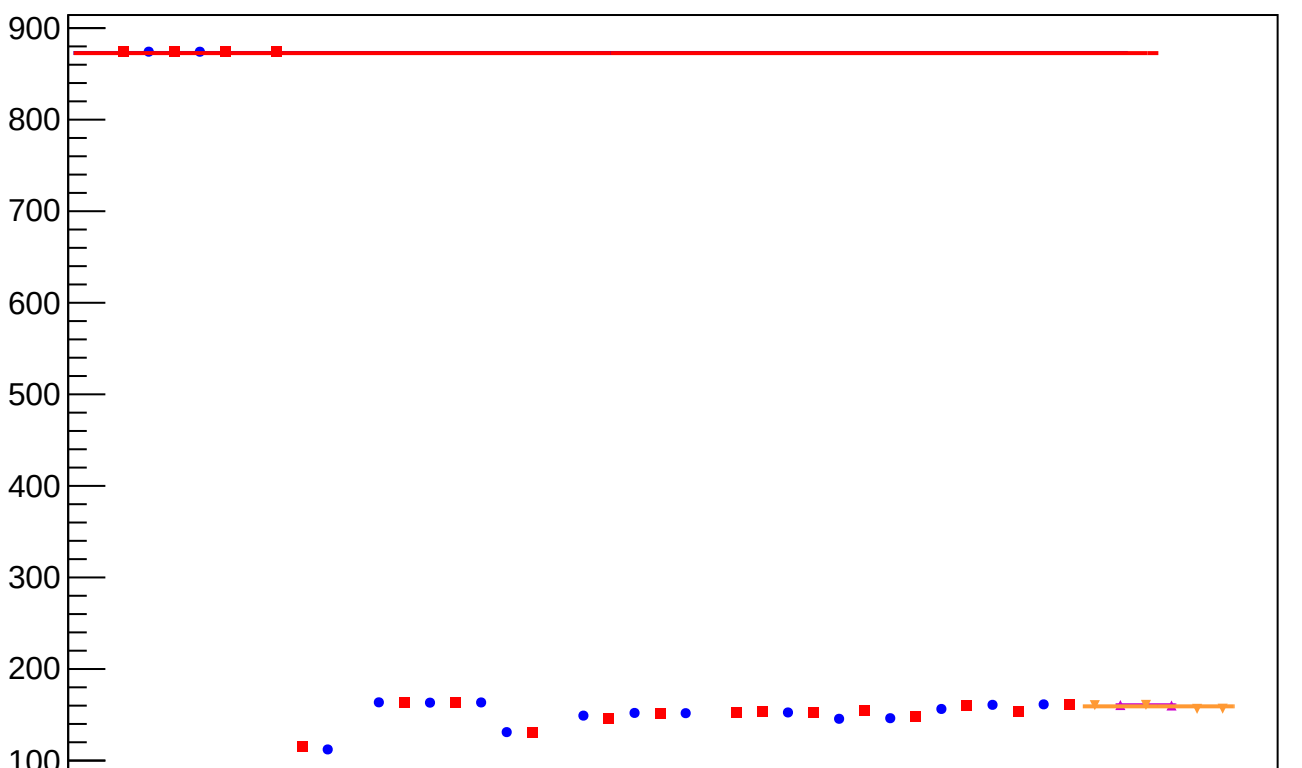
Left In: 0.361+/-0.000 χ^2/NDF:0.1/1

+ sign 0.336+/-0.000 χ^2/NDF: 1429951.3/19

All: 0.341+/-0.000 χ^2/NDF: 2715524.1/40

- sign 0.346+/-0.000 χ^2/NDF: 1277632.4/20

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 159.220+/-0.000 χ^2/NDF:19257126.3/3

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

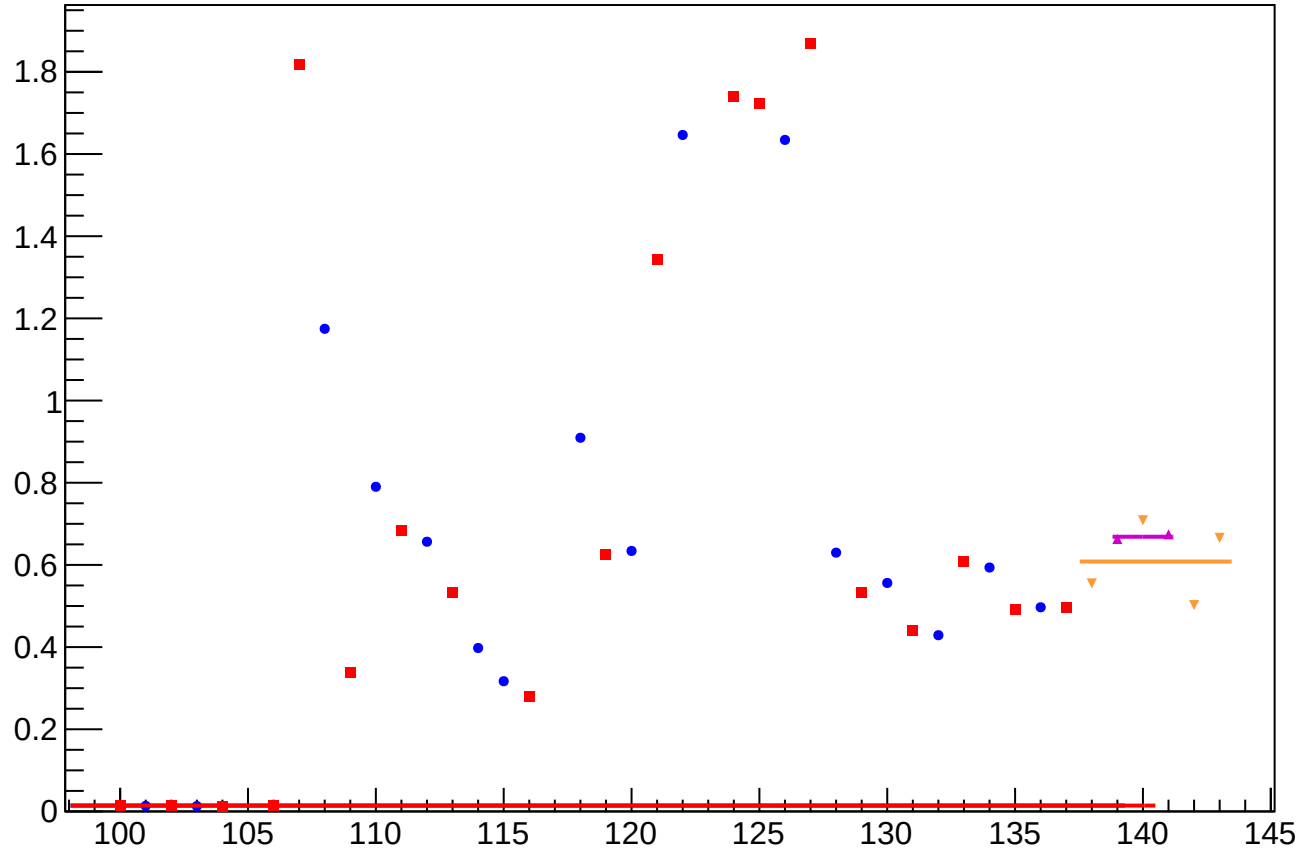
Left In: 160.433+/-0.001 χ^2/NDF:187293.8/1

+ sign 872.306+/-0.000 χ^2/NDF: 9815961188496.1

All: 872.358+/-0.000 χ^2/NDF: 20574105089

- sign 872.404+/-0.000 χ^2/NDF: 10758107254132.4

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.608+/-0.000 χ^2/NDF:64008.9/3

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

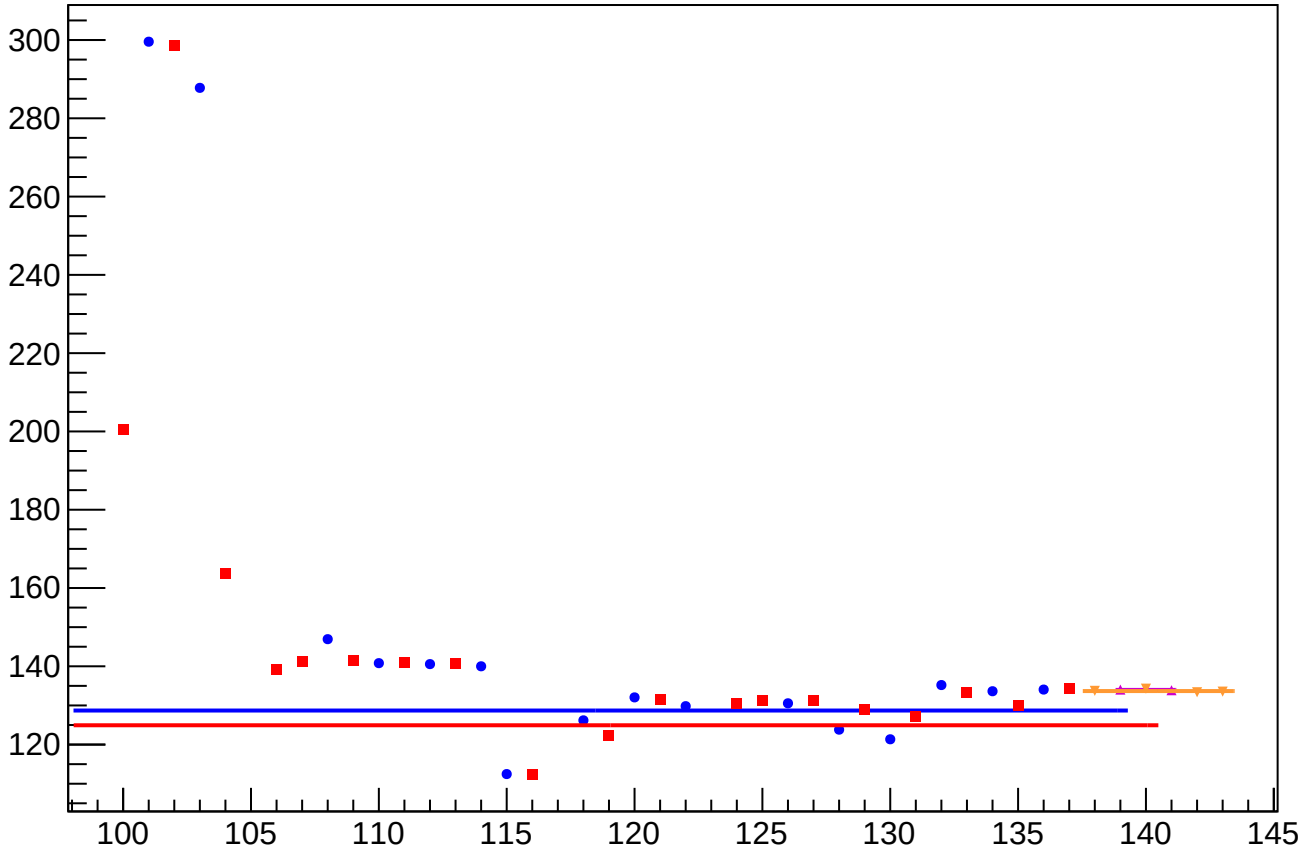
Left In: 0.669+/-0.000 χ^2/NDF:201.1/1

+ sign 0.015+/-0.000 χ^2/NDF: 13321261.3/19

All: 0.015+/-0.000 χ^2/NDF: 25417619.4/40

- sign 0.014+/-0.000 χ^2/NDF: 12095573.6/20

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.674+/-0.000 χ^2/NDF:938316.0/3

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

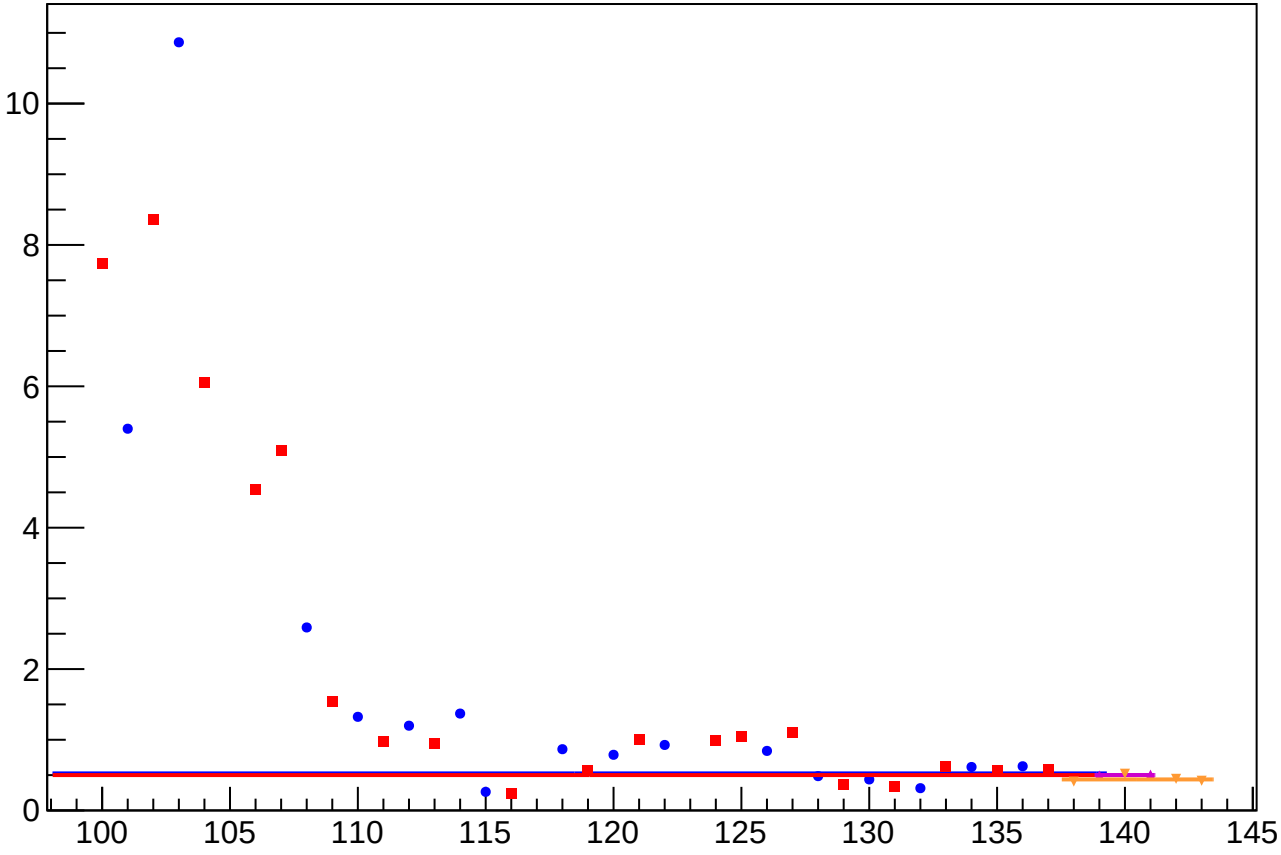
Left In: 133.967+/-0.000 χ^2/NDF:27813.9/1

+ sign 130.895+/-0.000 χ^2/NDF: 1802968762.9/19

All: 129.212+/-0.000 χ^2/NDF: 3619219342.9

- sign 126.999+/-0.000 χ^2/NDF: 1659415678.1/20

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.439+/-0.000 χ^2/NDF:30971.3/3

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

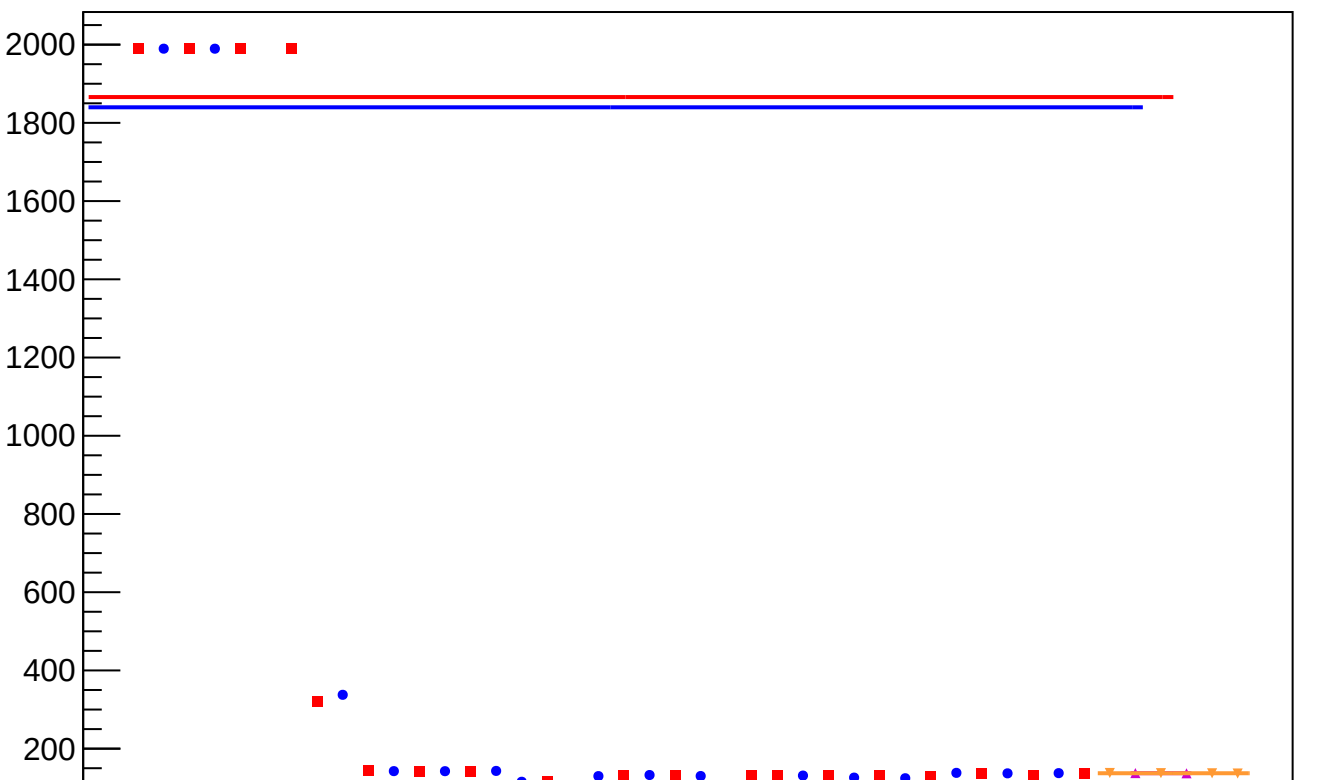
Left In: 0.502+/-0.000 χ^2/NDF:309.3/1

+ sign 0.486+/-0.000 χ^2/NDF: 4254770.4/19

All: 0.493+/-0.000 χ^2/NDF: 9143433.4/40

- sign 0.501+/-0.000 χ^2/NDF: 4884454.1/20

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.149+/-0.000 χ^2/NDF:7256714.7/3

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

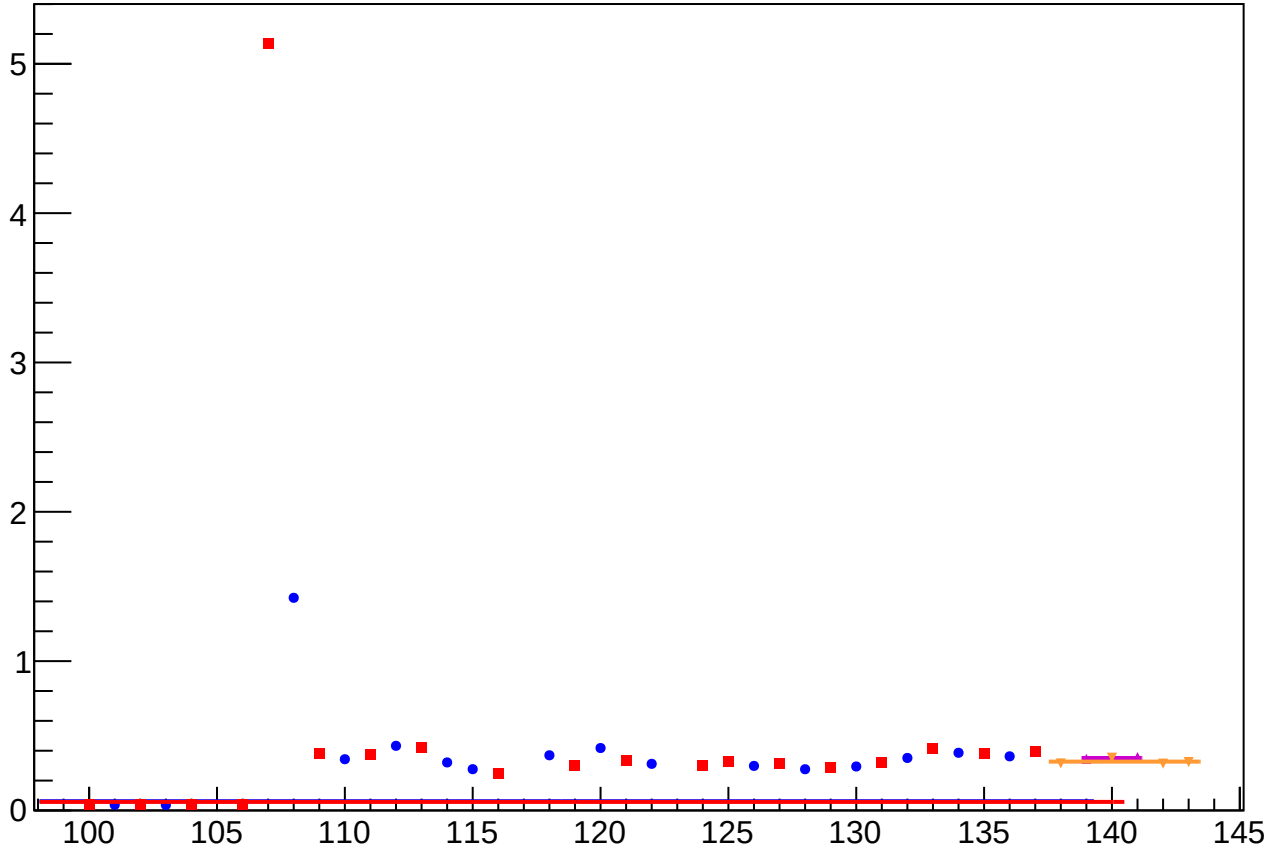
Left In: 137.306+/-0.000 χ^2/NDF:967280.8/1

+ sign 1765.383+/-0.000 χ^2/NDF: 2181621288991

All: 1800.633+/-0.000 χ^2/NDF: 4019165622

- sign 1831.574+/-0.000 χ^2/NDF: 18236291595894

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.327+/-0.000 χ^2/NDF:13054.6/3

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

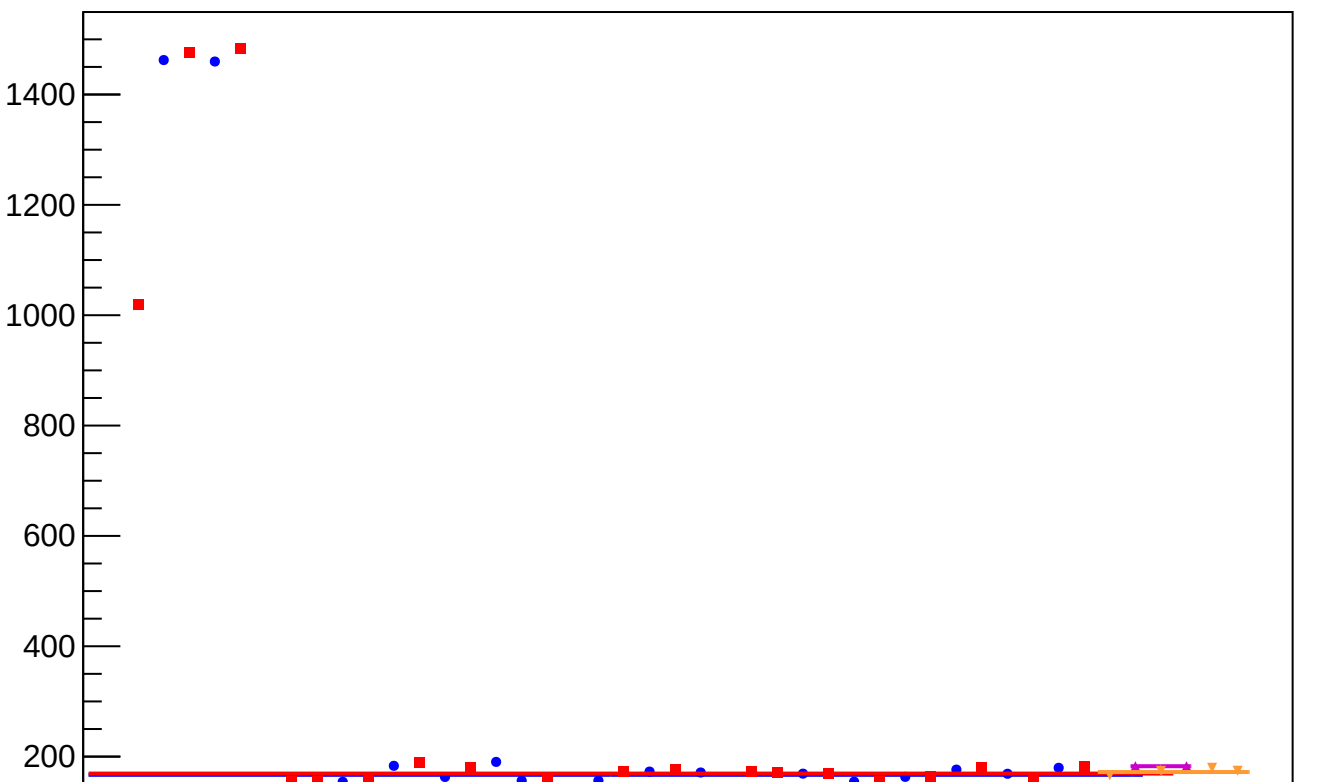
Left In: 0.351+/-0.000 χ^2/NDF:946.9/1

+ sign 0.073+/-0.000 χ^2/NDF: 11694691.9/19

All: 0.068+/-0.000 χ^2/NDF: 21796442.6/40

- sign 0.063+/-0.000 χ^2/NDF: 10035330.6/20

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 172.041+/-0.001 χ^2/NDF:55629593.9/3

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

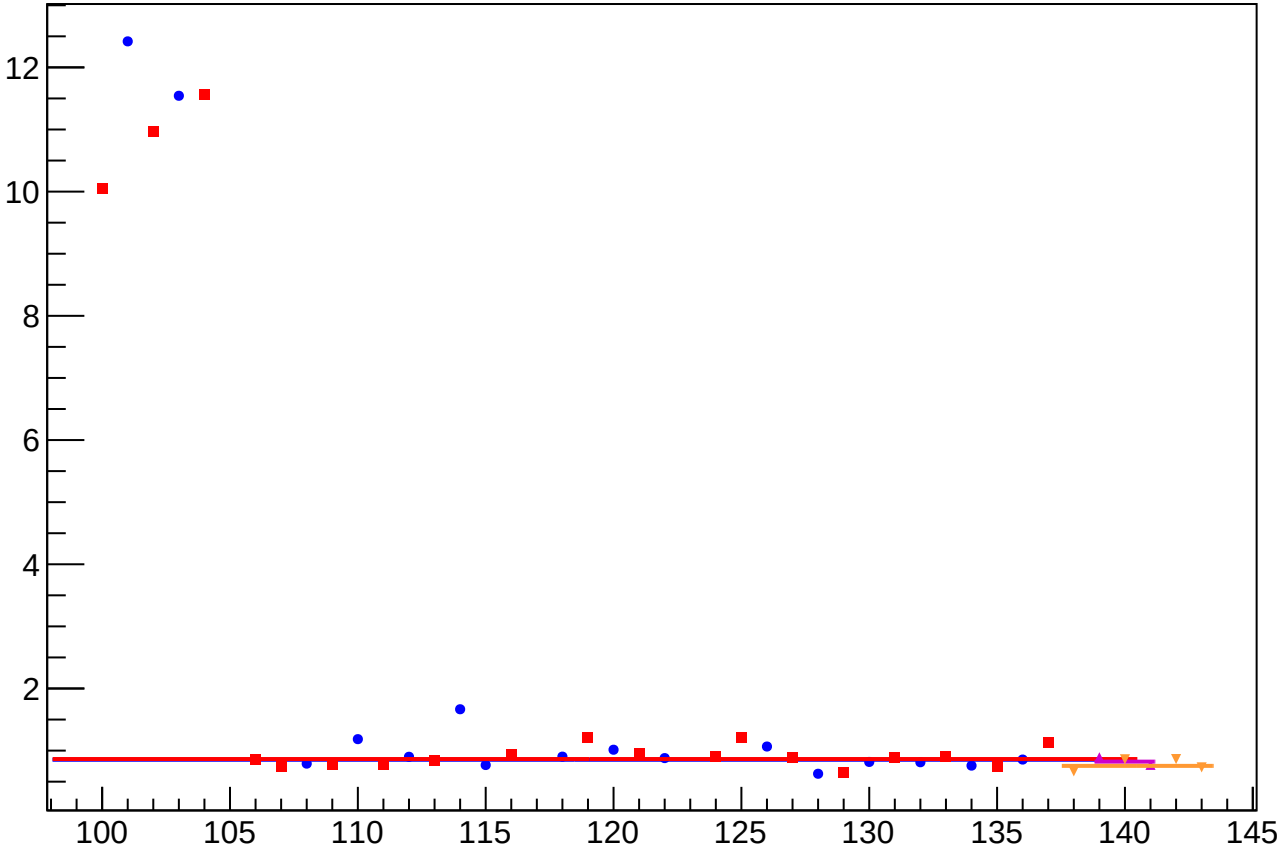
Left In: 182.589+/-0.001 χ^2/NDF:1335.8/1

+ sign 168.640+/-0.000 χ^2/NDF: 14713779709.4/19

All: 170.144+/-0.000 χ^2/NDF: 31259985530.

- sign 171.880+/-0.000 χ^2/NDF: 16508061094.6/20

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.754+/-0.000 χ^2/NDF:35216.0/3

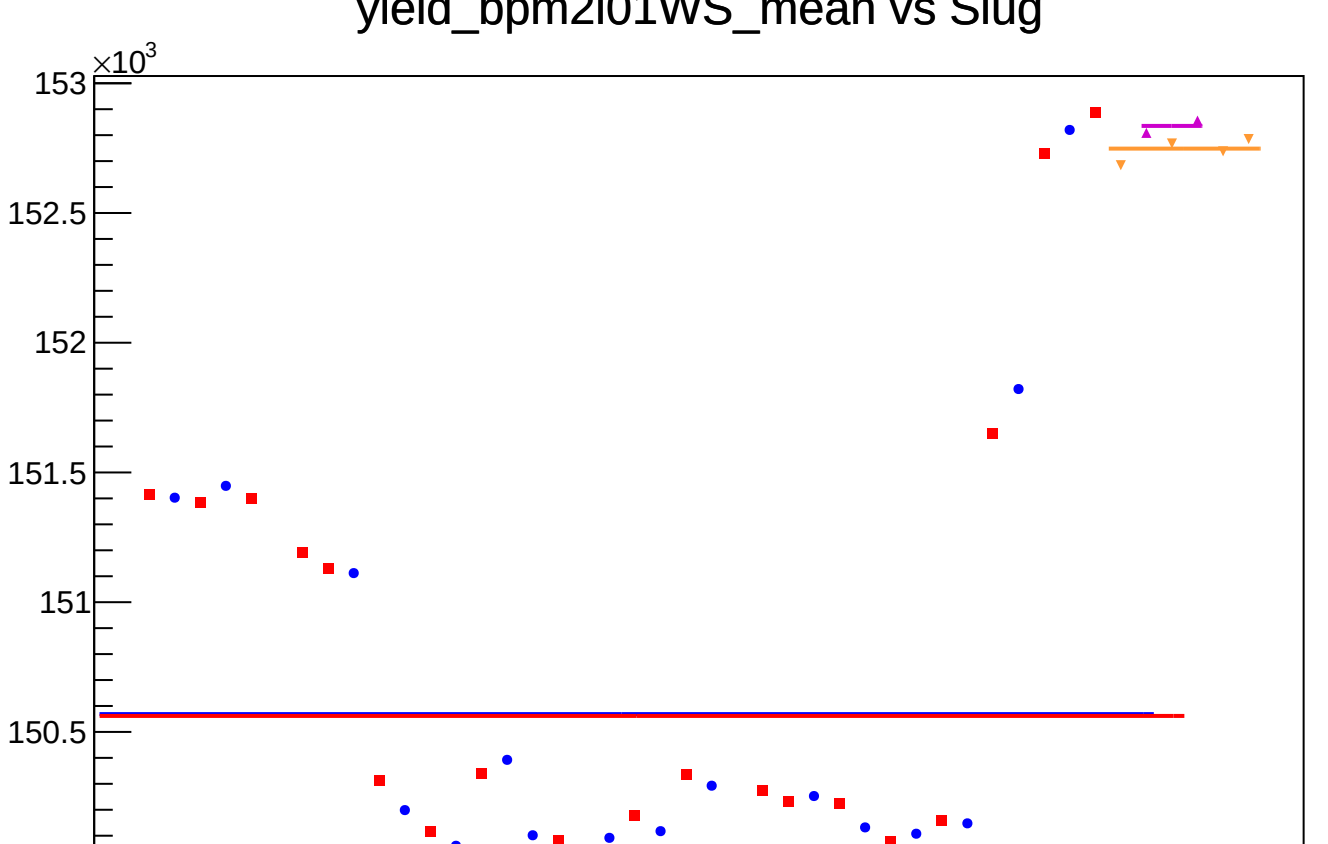
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.822+/-0.001 χ^2/NDF:9777.1/1

+ sign 0.821+/-0.000 χ^2/NDF: 2370908.8/19

All: 0.837+/-0.000 χ^2/NDF: 4602587.5/40

- sign 0.856+/-0.000 χ^2/NDF: 2222784.5/20



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152748.129+/-0.101 χ^2/NDF:150068.0/3

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

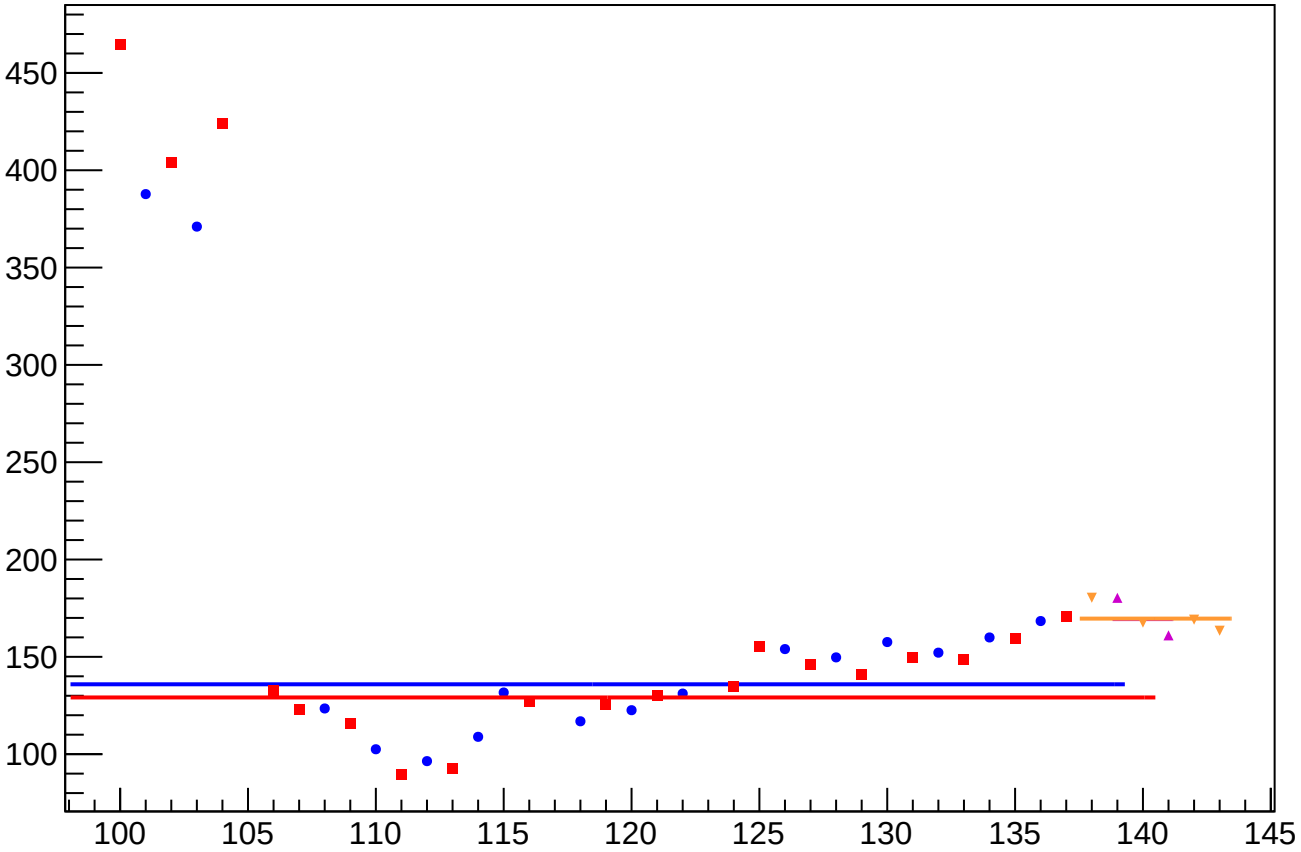
Left In: 152835.584+/-0.130 χ^2/NDF:32542.5/1

+ sign 151057.927+/-0.048 χ^2/NDF: 594879890.8/1

All: 150960.732+/-0.034 χ^2/NDF: 10668583

- sign 150866.130+/-0.047 χ^2/NDF: 463918199.1/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 169.640+/-0.072 χ^2/NDF:7983.7/3

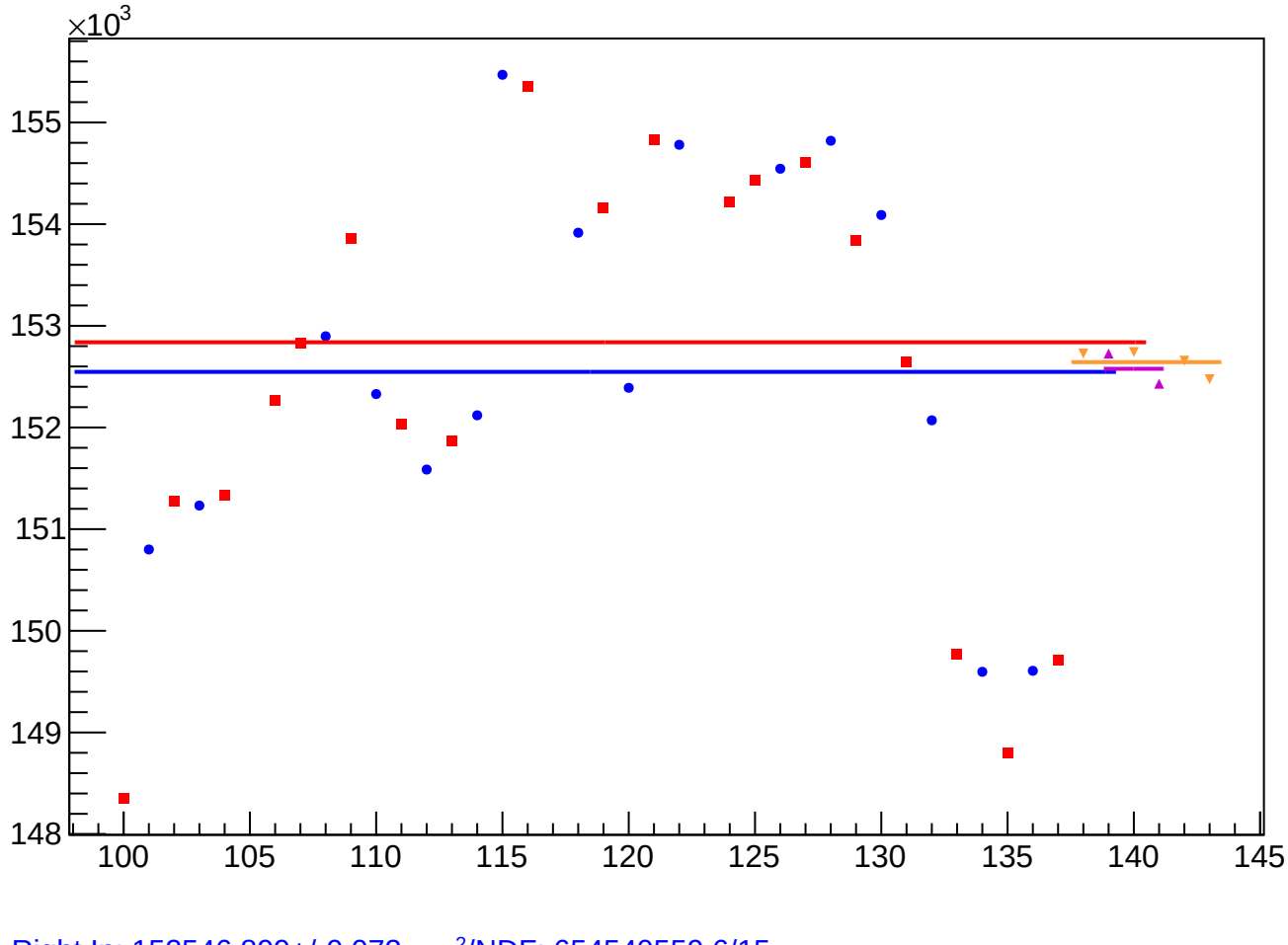
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 169.395+/-0.092 χ^2/NDF:10871.4/1

+ sign 143.472+/-0.034 χ^2/NDF: 1595744.2/19

All: 138.936+/-0.024 χ^2/NDF: 3423068.8/40

- sign 134.522+/-0.034 χ^2/NDF: 1792225.1/20



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152642.697+/-0.107 χ^2/NDF:1135075.2/3

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

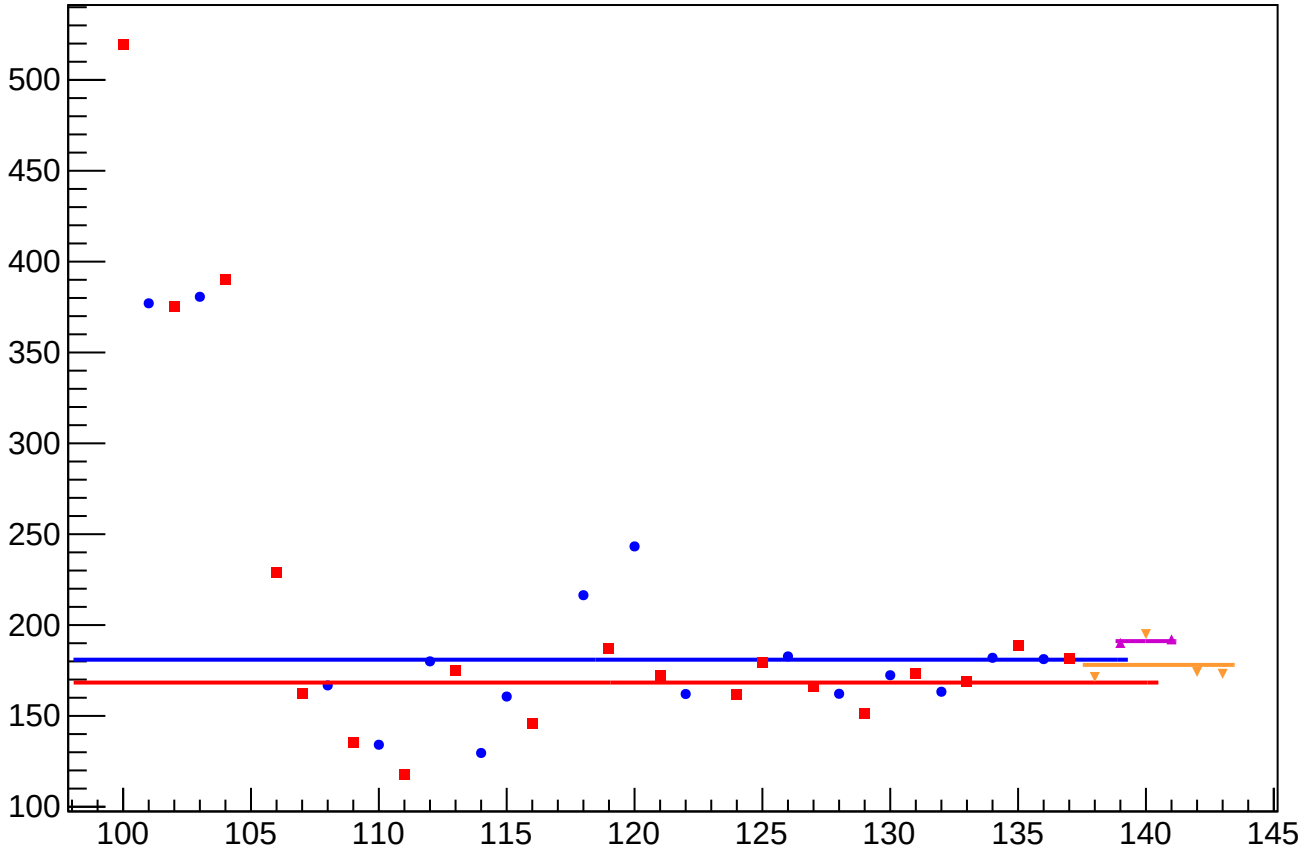
Left In: 152577.162+/-0.146 χ^2/NDF:1028613.8/1

+ sign 152577.036+/-0.060 χ^2/NDF: 656223139.5/1

All: 152684.089+/-0.043 χ^2/NDF: 14031867

- sign 152793.096+/-0.061 χ^2/NDF: 740563880.4/2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 178.074+/-0.076 χ^2/NDF:16026.8/3

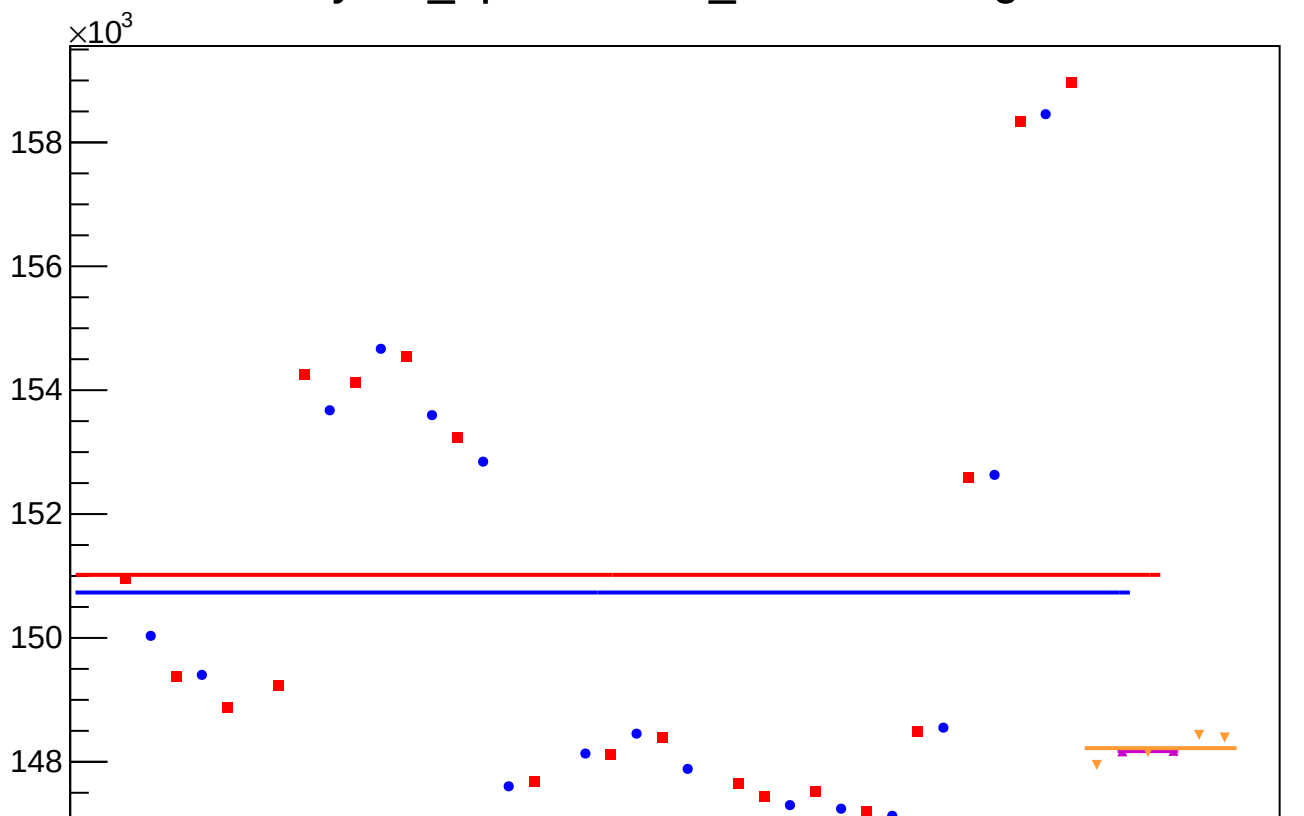
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 191.163+/-0.103 χ^2/NDF:90.9/1

+ sign 180.037+/-0.043 χ^2/NDF: 924763.7/19

All: 176.188+/-0.030 χ^2/NDF: 2070737.9/40

- sign 172.268+/-0.043 χ^2/NDF: 1129424.9/20



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148220.446+/-0.105 χ^2/NDF:3278546.4/3

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

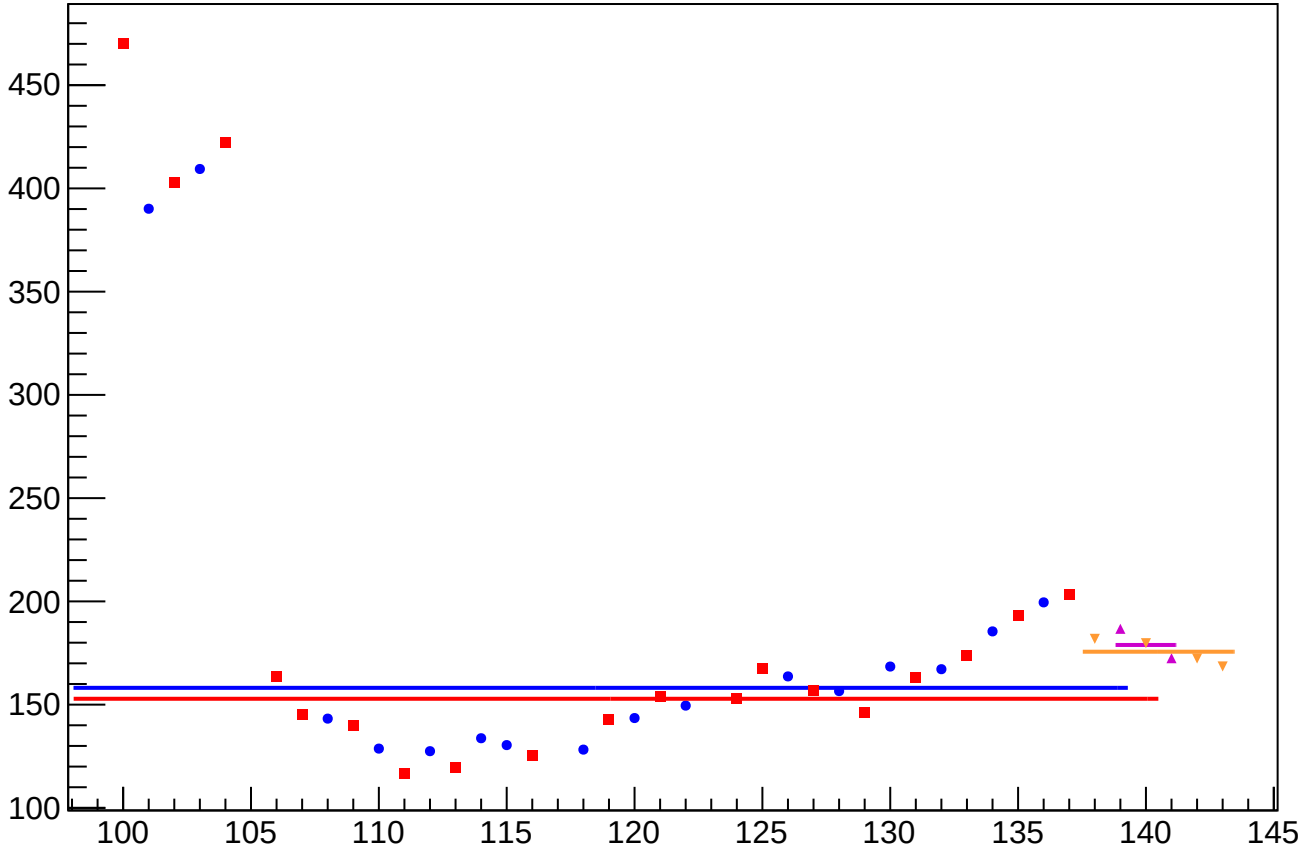
Left In: 148173.306+/-0.137 χ^2/NDF:933.4/1

+ sign 150070.925+/-0.054 χ^2/NDF: 3707843738.0

All: 150310.371+/-0.039 χ^2/NDF: 73966342

- sign 150558.915+/-0.055 χ^2/NDF: 3648683628.4/

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 175.627+/-0.074 χ^2/NDF:5806.8/3

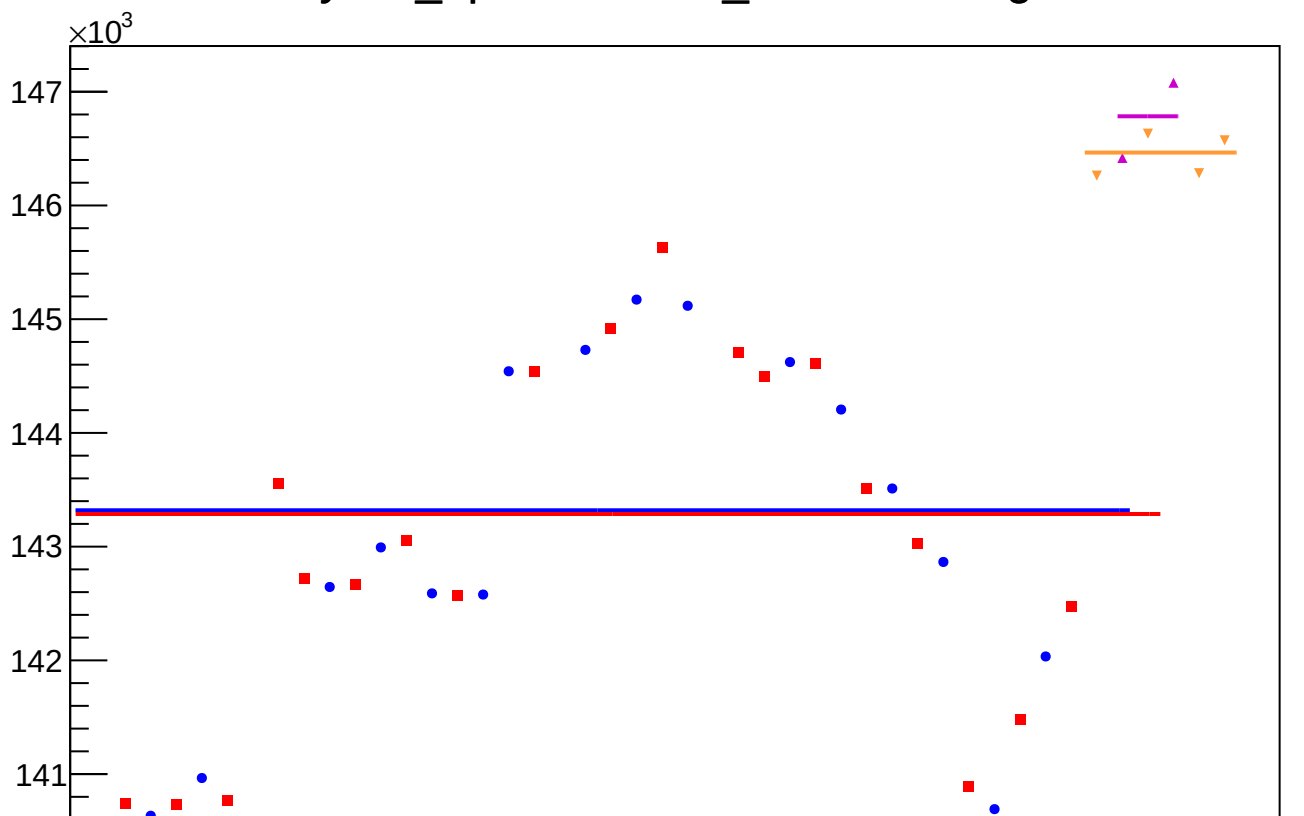
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 178.899+/-0.097 χ^2/NDF:5364.5/1

+ sign 162.748+/-0.038 χ^2/NDF: 1242264.8/19

All: 159.952+/-0.027 χ^2/NDF: 2583620.2/40

- sign 157.050+/-0.039 χ^2/NDF: 1330420.4/20



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146465.142+/-0.104 χ^2/NDF:2488551.4/3

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

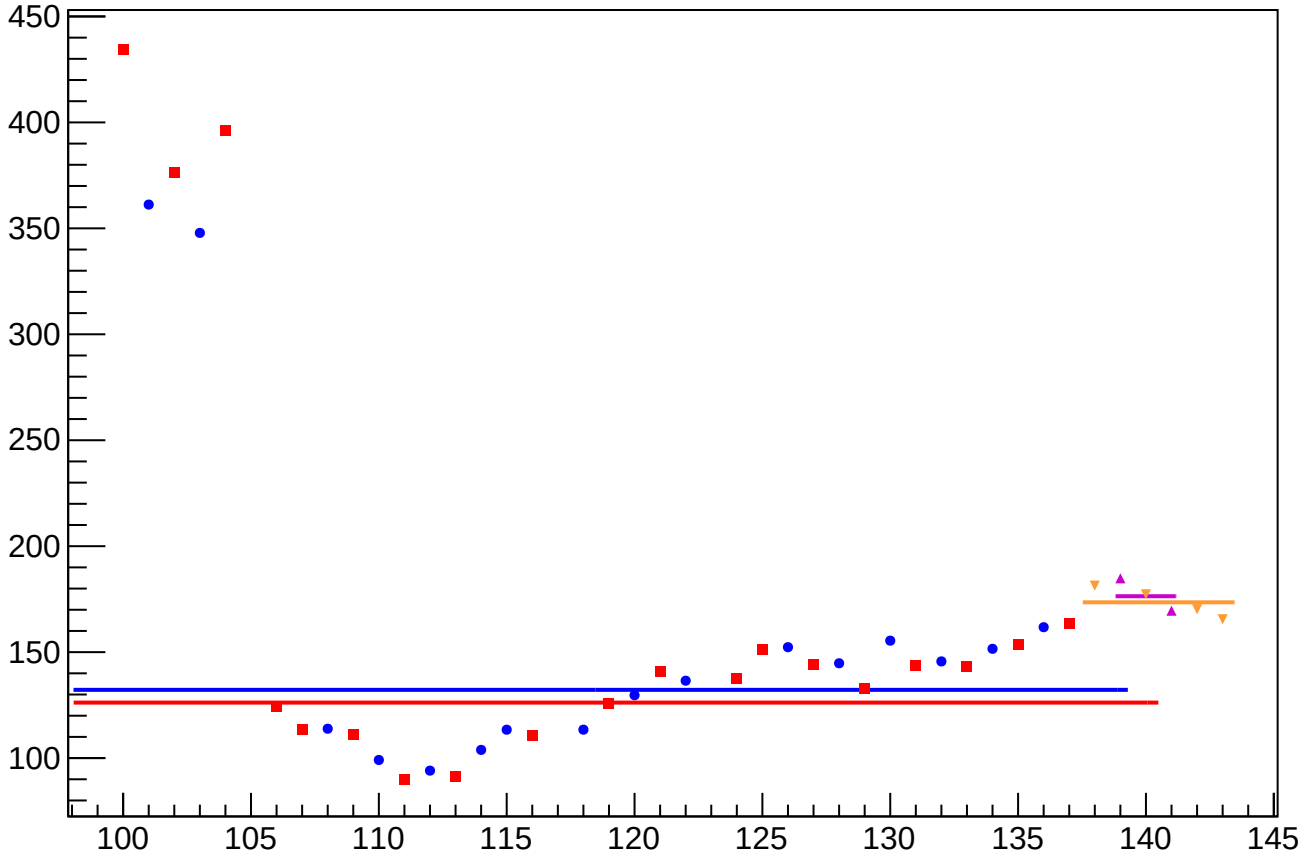
Left In: 146784.069+/-0.135 χ^2/NDF:5949951.8/1

+ sign 143972.698+/-0.047 χ^2/NDF: 1289648238.1

All: 143837.132+/-0.033 χ^2/NDF: 25243998

- sign 143705.266+/-0.047 χ^2/NDF: 1218539406.8/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 173.511+/-0.073 χ^2/NDF:7648.8/3

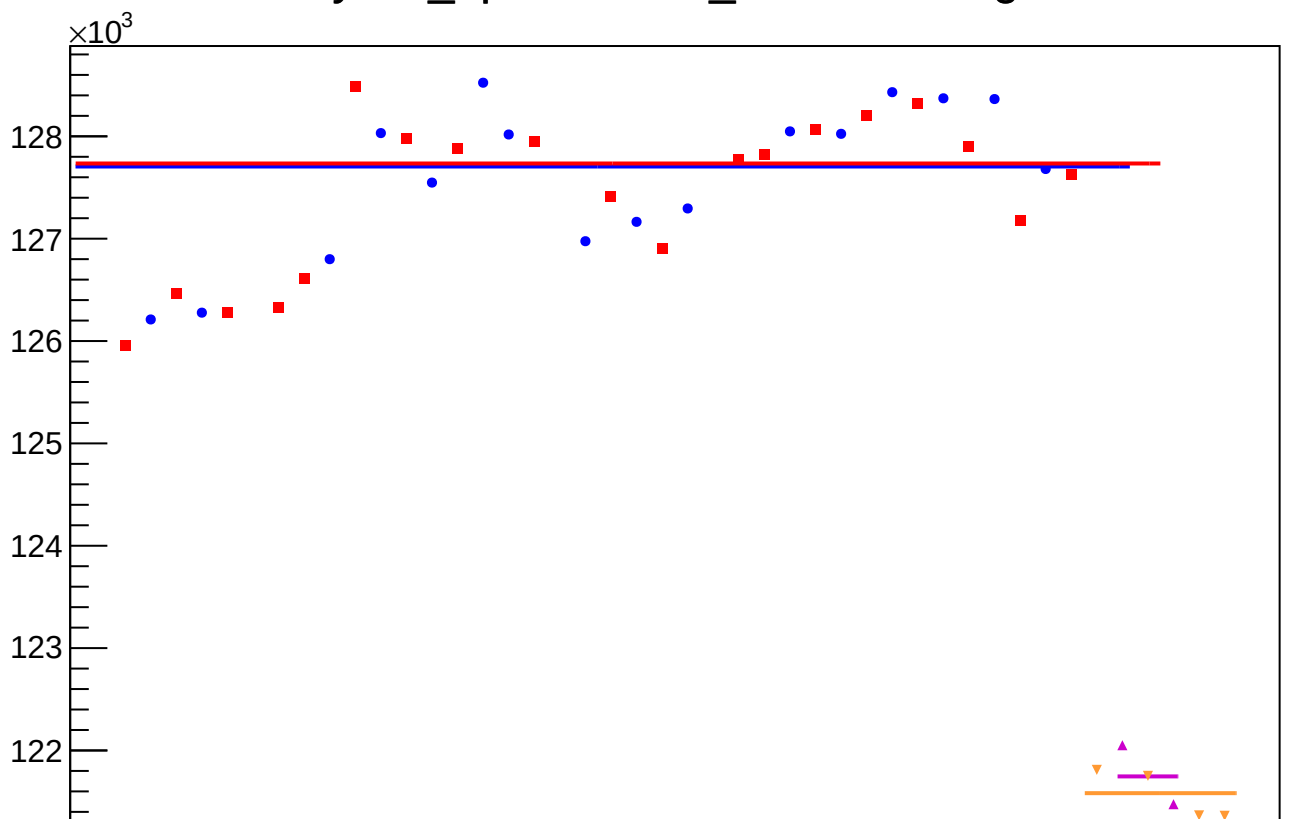
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 176.389+/-0.095 χ^2/NDF:6350.4/1

+ sign 140.780+/-0.033 χ^2/NDF: 1637863.3/19

All: 136.428+/-0.023 χ^2/NDF: 3466636.3/40

- sign 132.196+/-0.033 χ^2/NDF: 1795362.4/20



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121582.829+/-0.092 χ^2/NDF:5144601.6/3

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

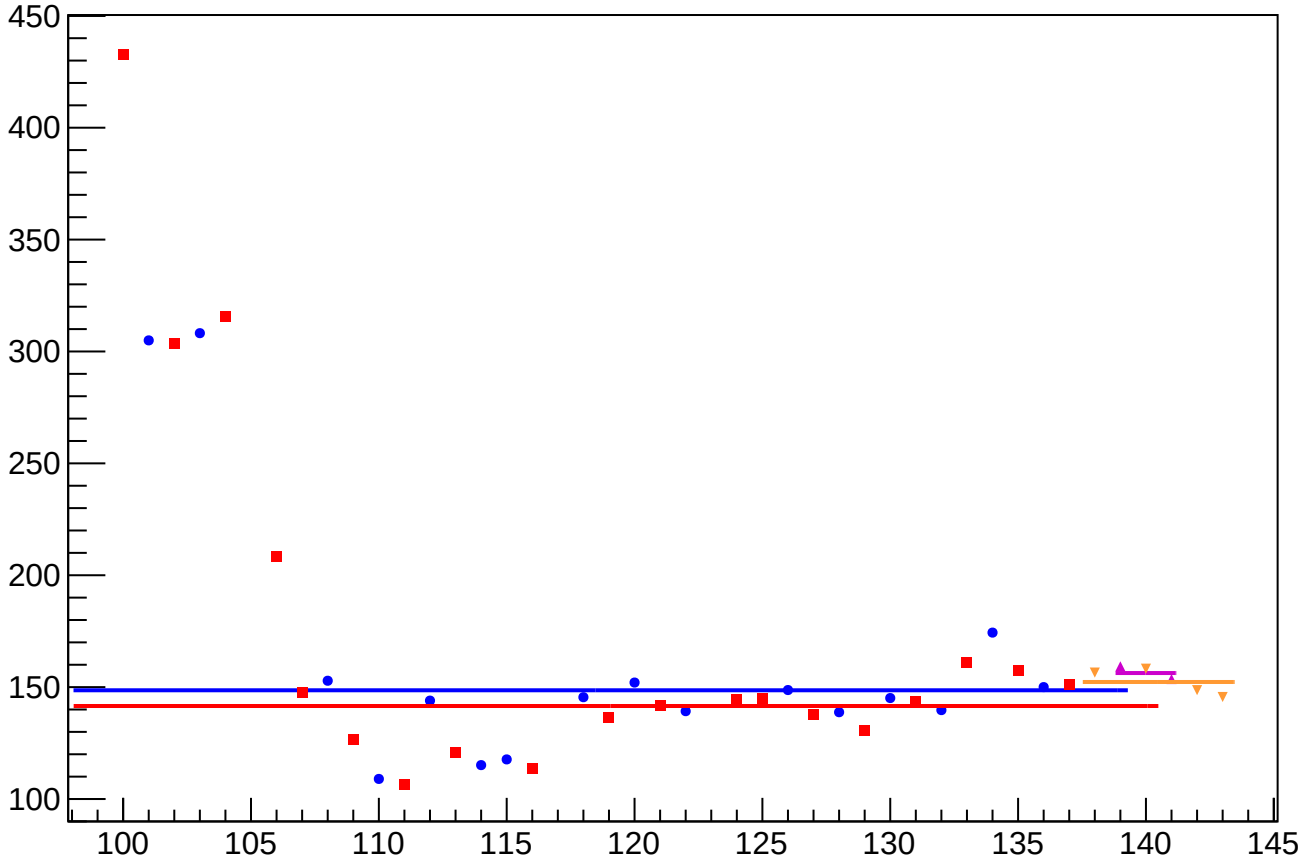
Left In: 121746.469+/-0.120 χ^2/NDF:5742424.9/1

+ sign 125955.050+/-0.049 χ^2/NDF: 3249652727.0

All: 126322.304+/-0.035 χ^2/NDF: 55350340

- sign 126698.082+/-0.050 χ^2/NDF: 2173405249.4/

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 152.299+/-0.065 χ^2/NDF:7090.6/3

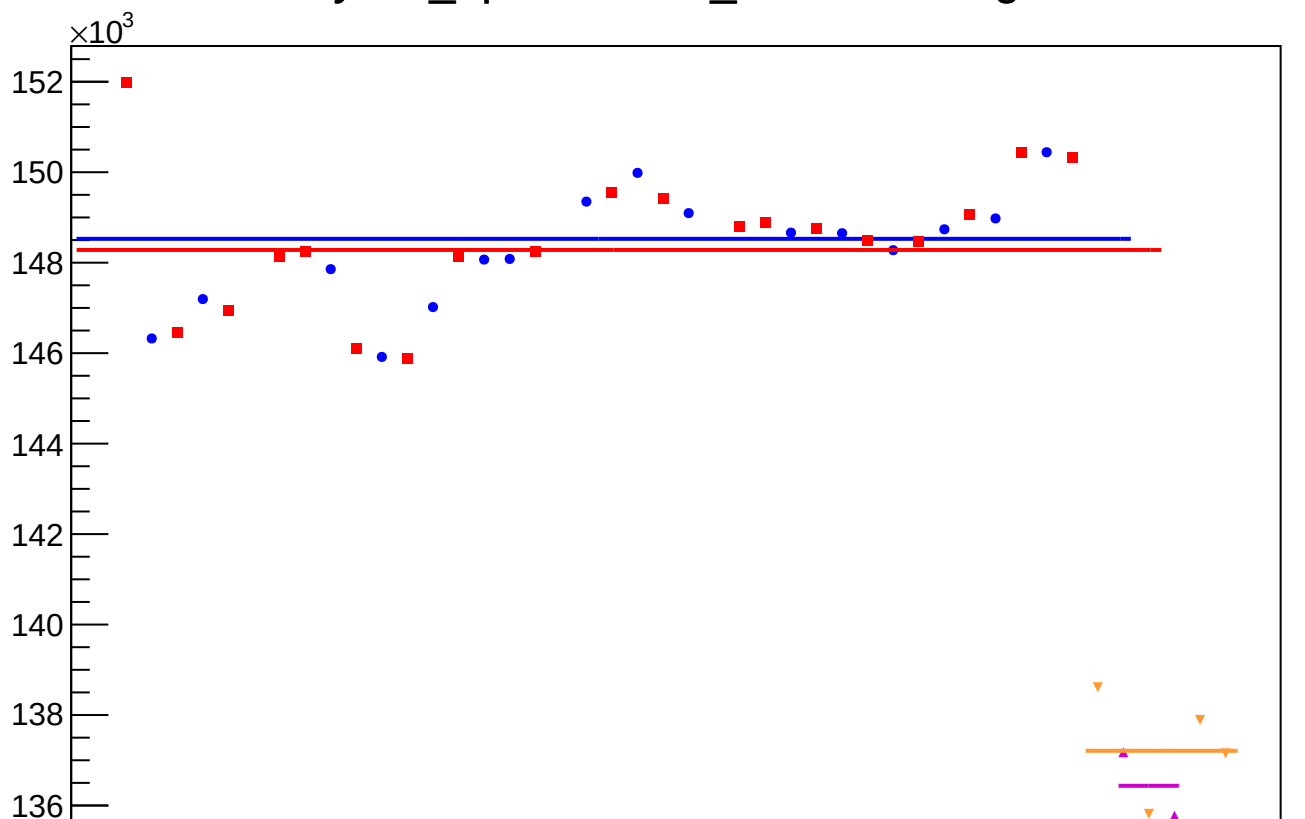
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 156.298+/-0.085 χ^2/NDF:1119.5/1

+ sign 149.652+/-0.035 χ^2/NDF: 837093.3/19

All: 146.915+/-0.025 χ^2/NDF: 1876807.8/40

- sign 144.113+/-0.035 χ^2/NDF: 1027268.9/20



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137209.007+/-0.136 χ^2/NDF:61376542.0/3

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

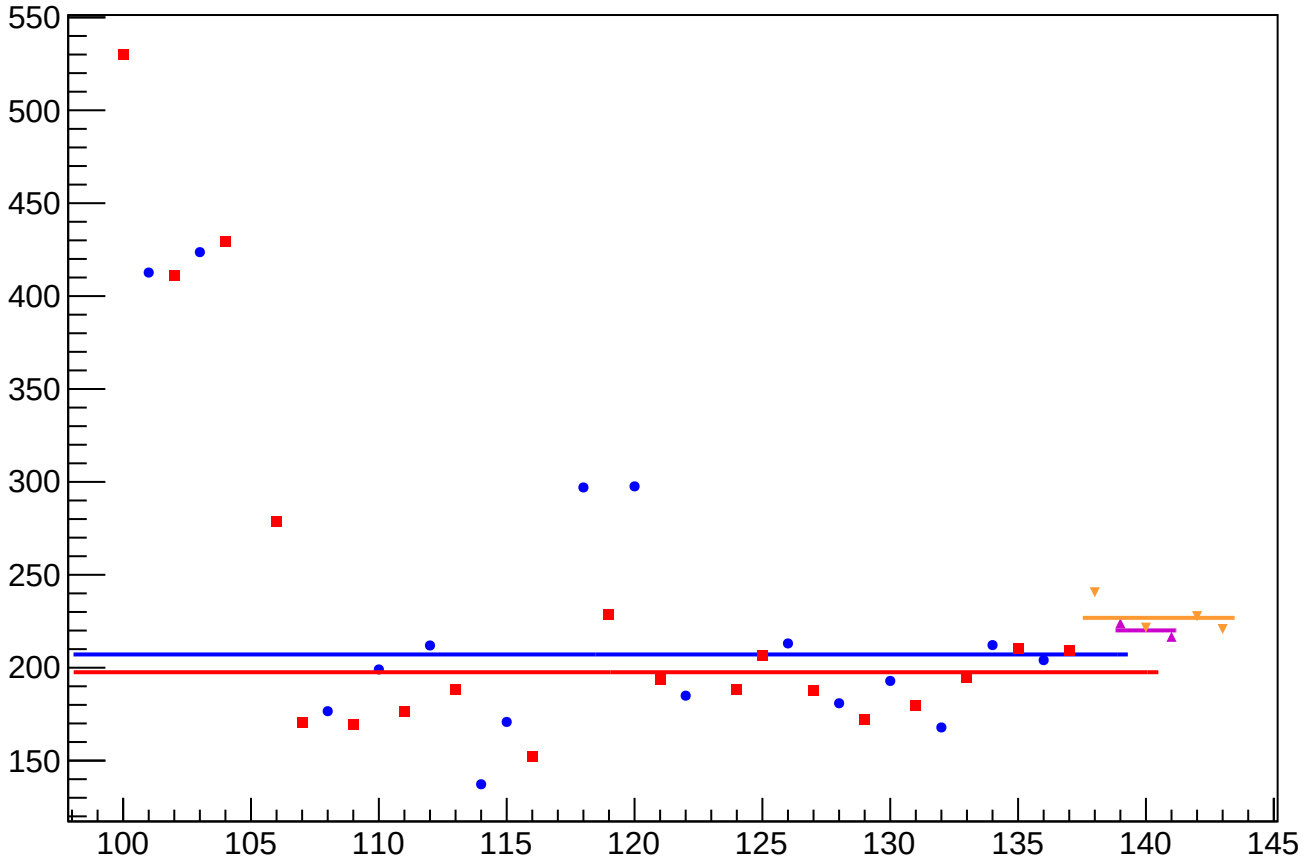
Left In: 136436.198+/-0.168 χ^2/NDF:17346779.2/1

+ sign 145515.324+/-0.070 χ^2/NDF: 5348756941.5

All: 145885.777+/-0.049 χ^2/NDF: 98151605

- sign 146251.351+/-0.070 χ^2/NDF: 4411066140.5/

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 226.836+/-0.096 χ^2/NDF:7039.9/3

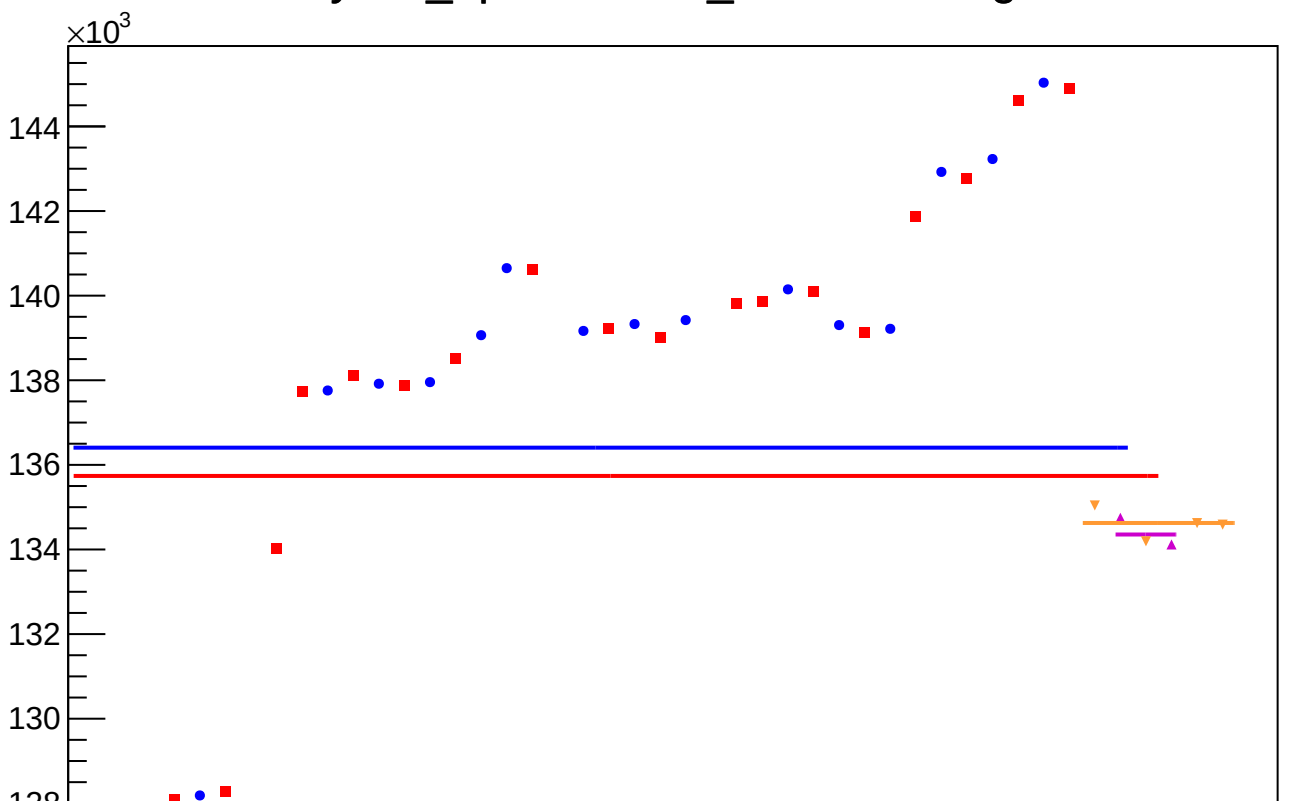
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 220.077+/-0.119 χ^2/NDF:923.8/1

+ sign 212.378+/-0.050 χ^2/NDF: 1010027.4/19

All: 206.867+/-0.035 χ^2/NDF: 1969034.5/40

- sign 201.429+/-0.049 χ^2/NDF: 934514.9/20



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134626.576+/-0.311 χ^2/NDF:1019287.1/3

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

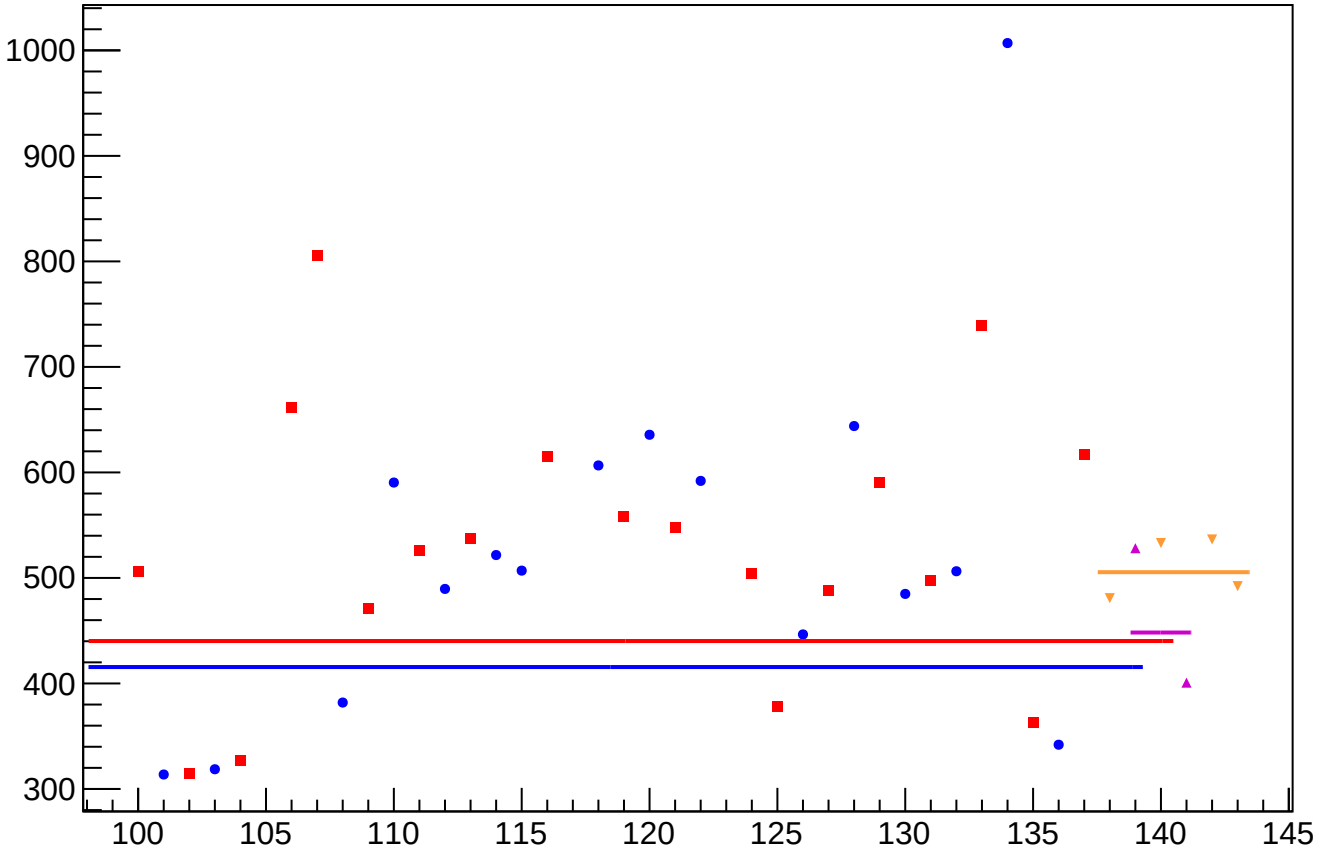
Left In: 134353.931+/-0.394 χ^2/NDF:600089.9/1

+ sign 136001.633+/-0.148 χ^2/NDF: 1603481309.4

All: 135774.824+/-0.109 χ^2/NDF: 27936168

- sign 135506.346+/-0.161 χ^2/NDF: 1185017489.1/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 505.456+/-0.220 χ^2/NDF:11674.2/3

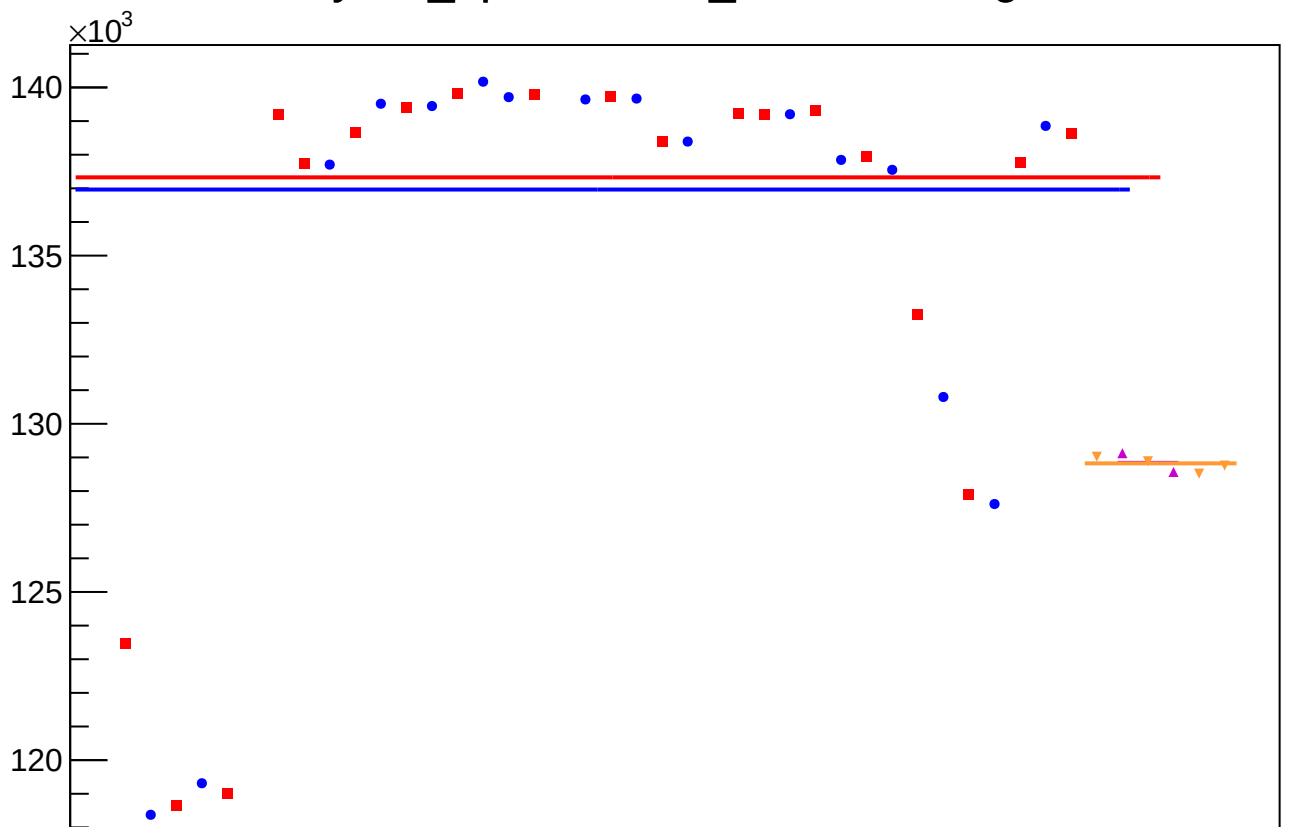
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 448.264+/-0.278 χ^2/NDF:48966.4/1

+ sign 436.015+/-0.105 χ^2/NDF: 1172785.1/19

All: 438.557+/-0.077 χ^2/NDF: 2134522.9/40

- sign 441.566+/-0.114 χ^2/NDF: 960451.8/20



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128823.561+/-0.099 χ^2/NDF:2781357.3/3

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

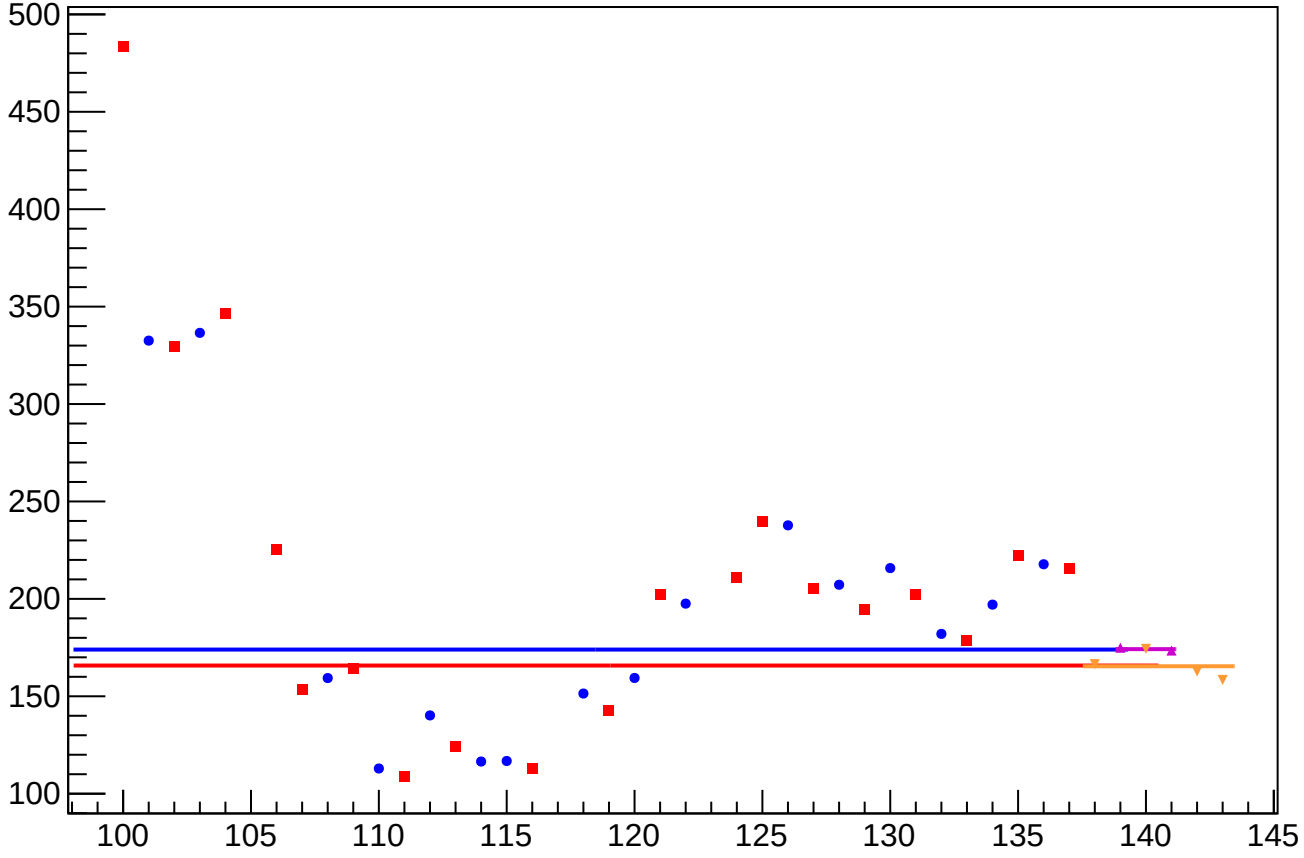
Left In: 128838.202+/-0.133 χ^2/NDF:4370733.1/1

+ sign 134283.143+/-0.057 χ^2/NDF: 10301329815.

All: 134955.856+/-0.041 χ^2/NDF: 19594492

- sign 135671.149+/-0.059 χ^2/NDF: 9006731433.3/

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 165.412+/-0.070 χ^2/NDF:7609.0/3

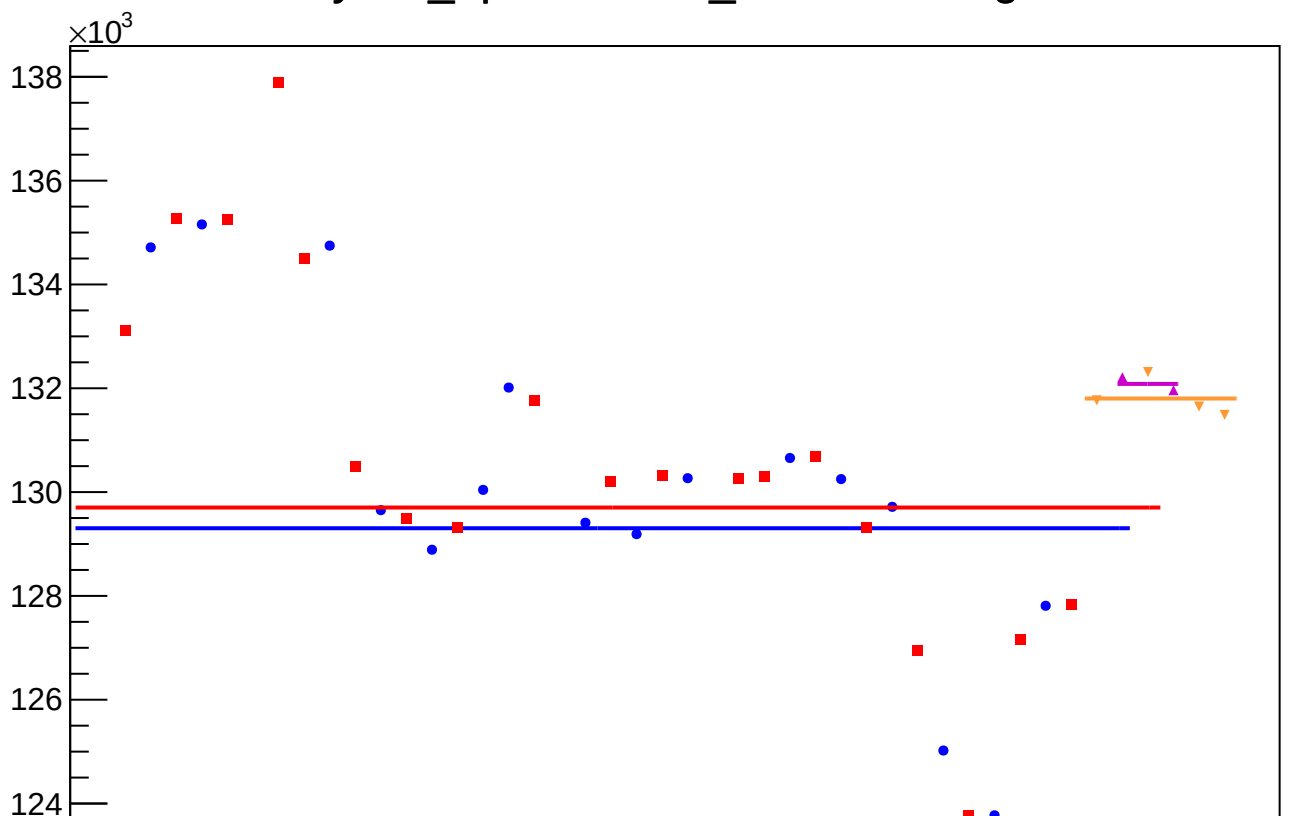
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 174.192+/-0.094 χ^2/NDF:59.0/1

+ sign 171.159+/-0.040 χ^2/NDF: 1206052.7/19

All: 169.348+/-0.029 χ^2/NDF: 2649837.6/40

- sign 167.422+/-0.042 χ^2/NDF: 1439632.4/20



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131802.612+/-0.098 χ^2/NDF:10788180.3/3

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

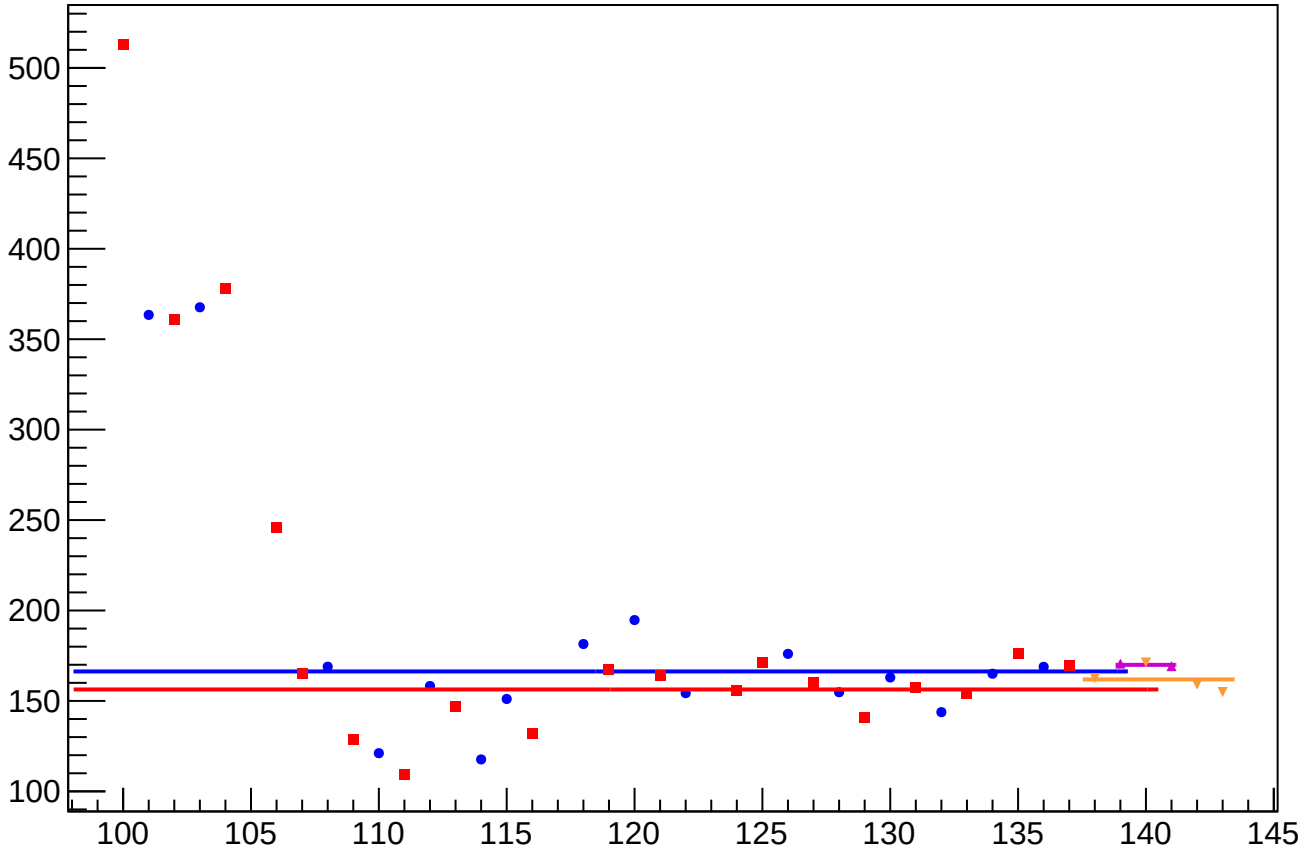
Left In: 132083.984+/-0.130 χ^2/NDF:915437.1/1

+ sign 130091.398+/-0.055 χ^2/NDF: 2110017626.4

All: 130114.409+/-0.039 χ^2/NDF: 41628820

- sign 130138.137+/-0.056 χ^2/NDF: 2052506075.8/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 161.891+/-0.069 χ^2/NDF:8280.1/3

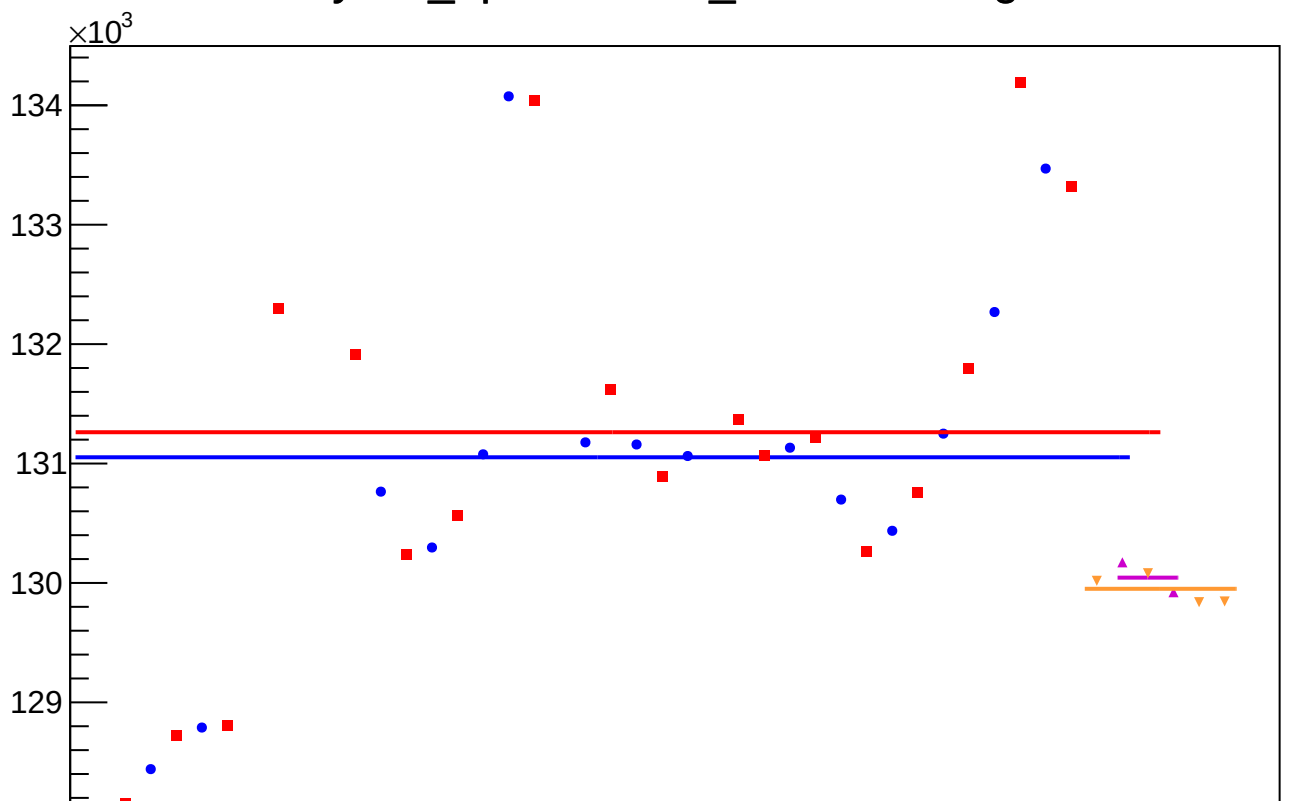
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 169.946+/-0.092 χ^2/NDF:58.7/1

+ sign 164.912+/-0.039 χ^2/NDF: 949026.4/19

All: 161.915+/-0.028 χ^2/NDF: 2151977.4/40

- sign 158.824+/-0.039 χ^2/NDF: 1190790.0/20



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129950.989+/-0.093 χ^2/NDF:1268683.8/3

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

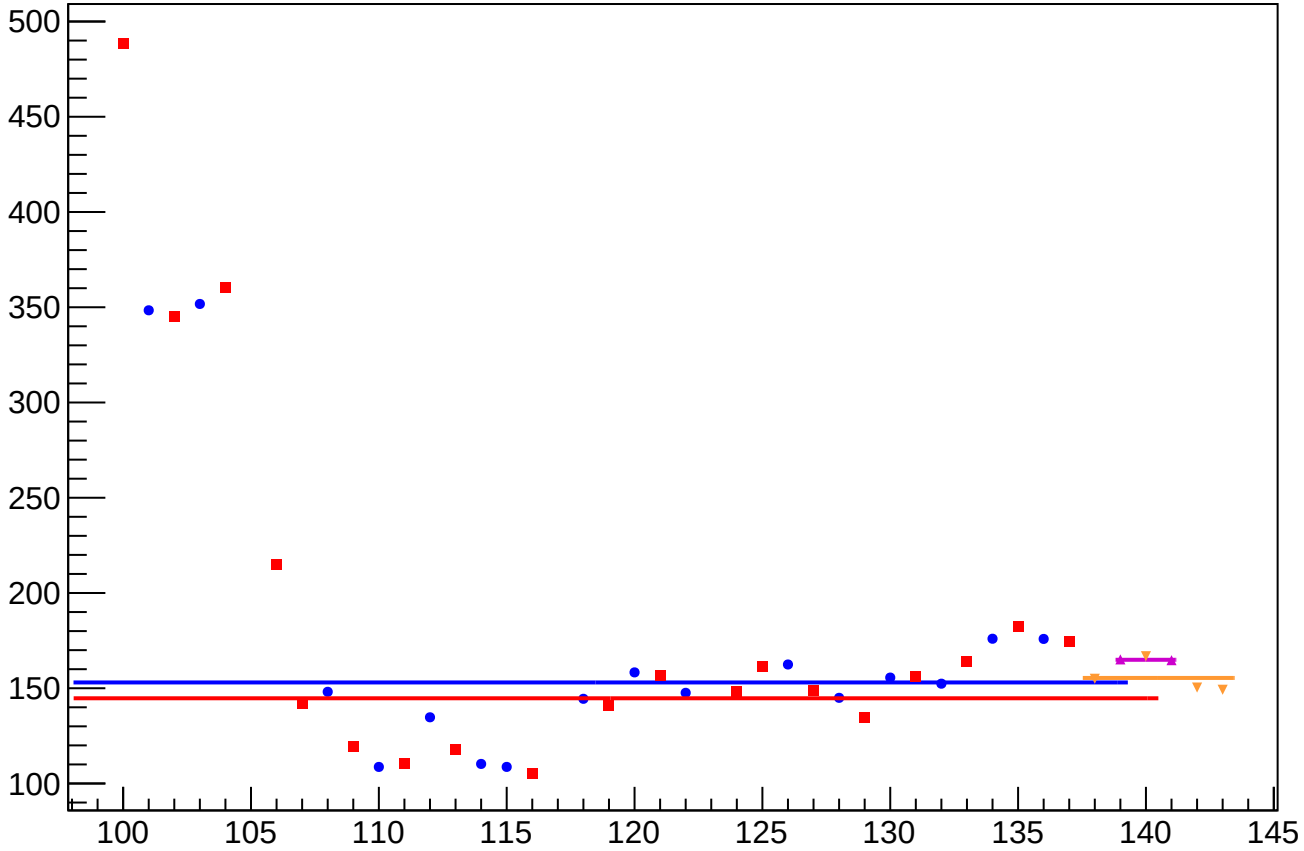
Left In: 130044.419+/-0.126 χ^2/NDF:985340.1/1

+ sign 130725.482+/-0.051 χ^2/NDF: 622908555.1/1

All: 130888.841+/-0.036 χ^2/NDF: 13267653

- sign 131057.608+/-0.052 χ^2/NDF: 682873946.6/2

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 155.407+/-0.066 χ^2/NDF:11209.6/3

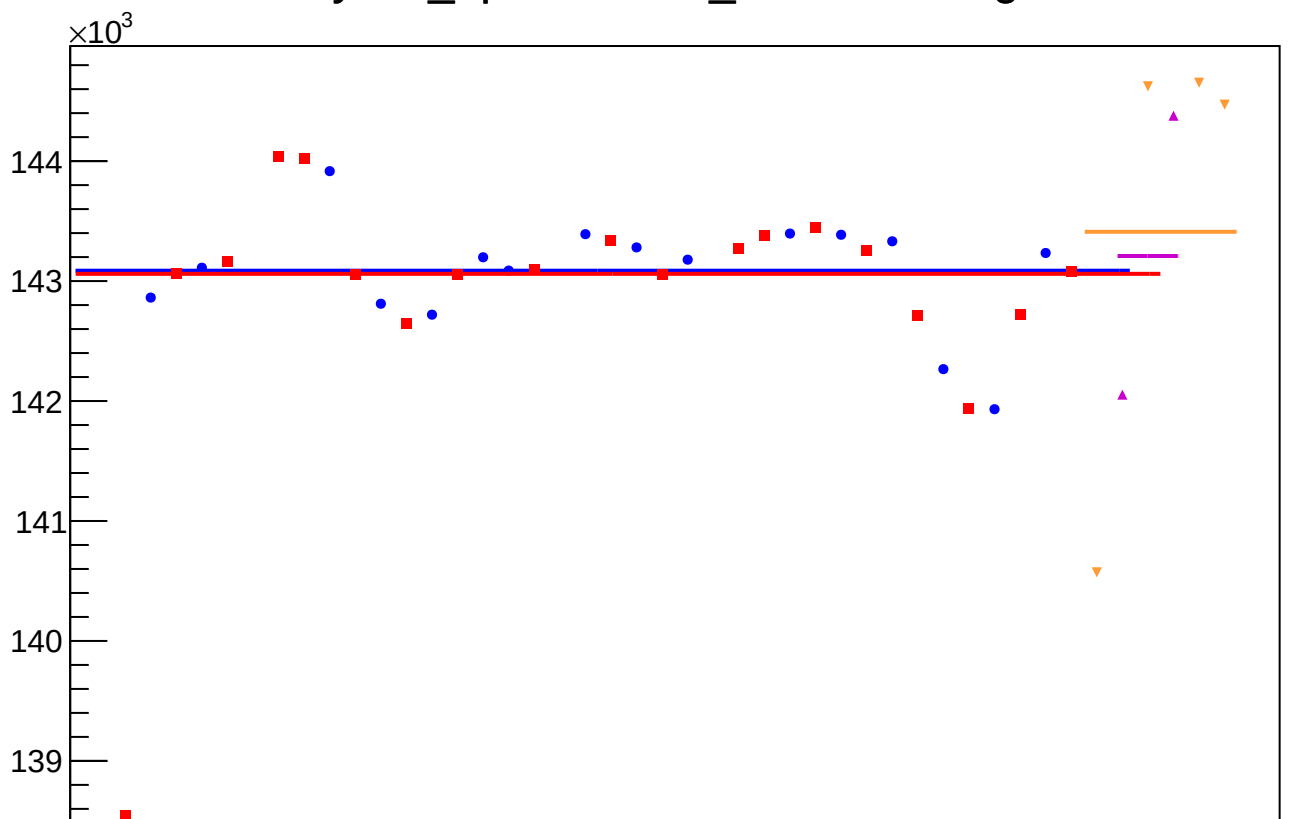
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 164.937+/-0.089 χ^2/NDF:5.4/1

+ sign 153.744+/-0.036 χ^2/NDF: 1071582.3/19

All: 150.981+/-0.026 χ^2/NDF: 2389754.2/40

- sign 148.126+/-0.037 χ^2/NDF: 1306162.3/20



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 143410.933+/-0.112 χ^2/NDF:263584213.1/3

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

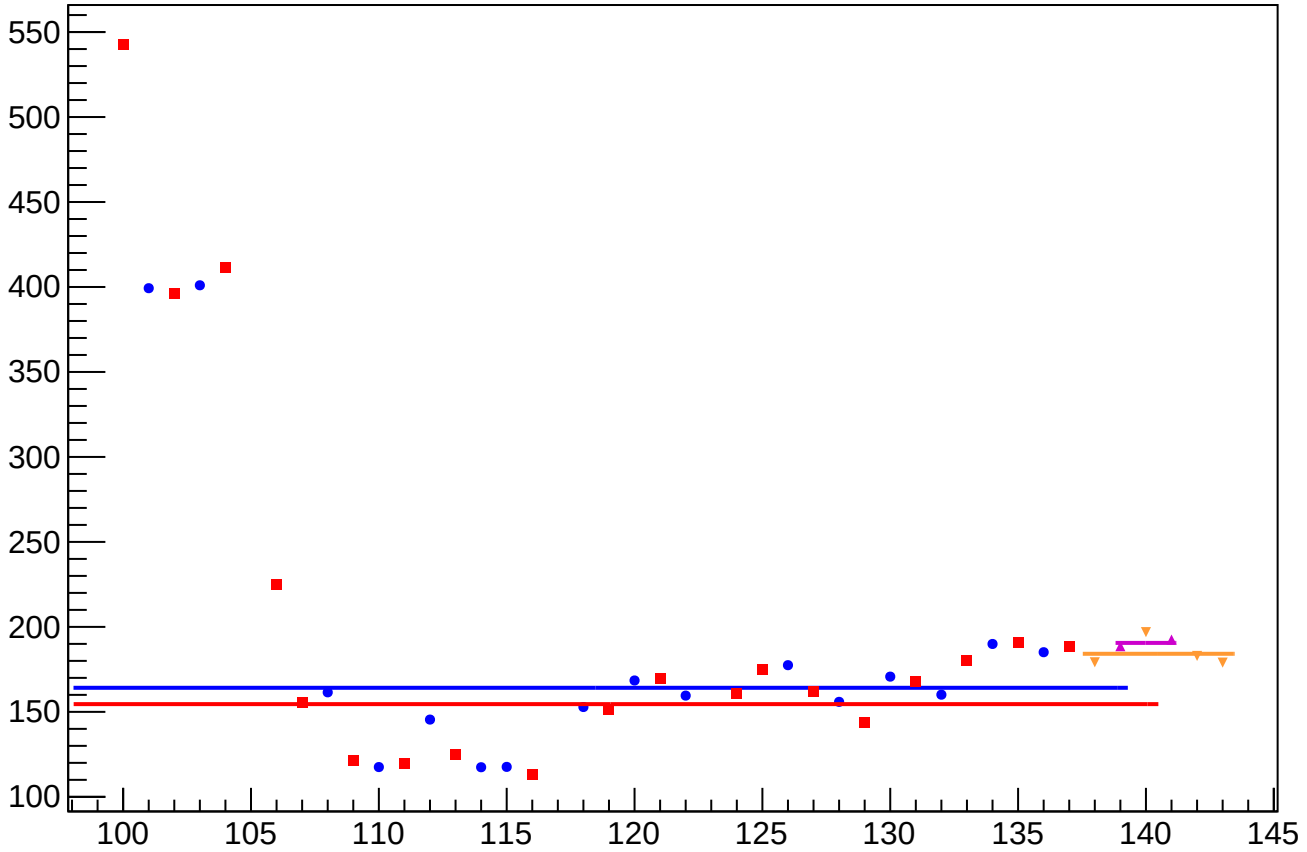
Left In: 143208.876+/-0.147 χ^2/NDF:62909951.2/1

+ sign 143168.838+/-0.056 χ^2/NDF: 316619162.7/1

All: 143125.283+/-0.040 χ^2/NDF: 43331925

- sign 143081.998+/-0.056 χ^2/NDF: 115503407.1/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 184.173+/-0.079 χ^2/NDF:9089.3/3

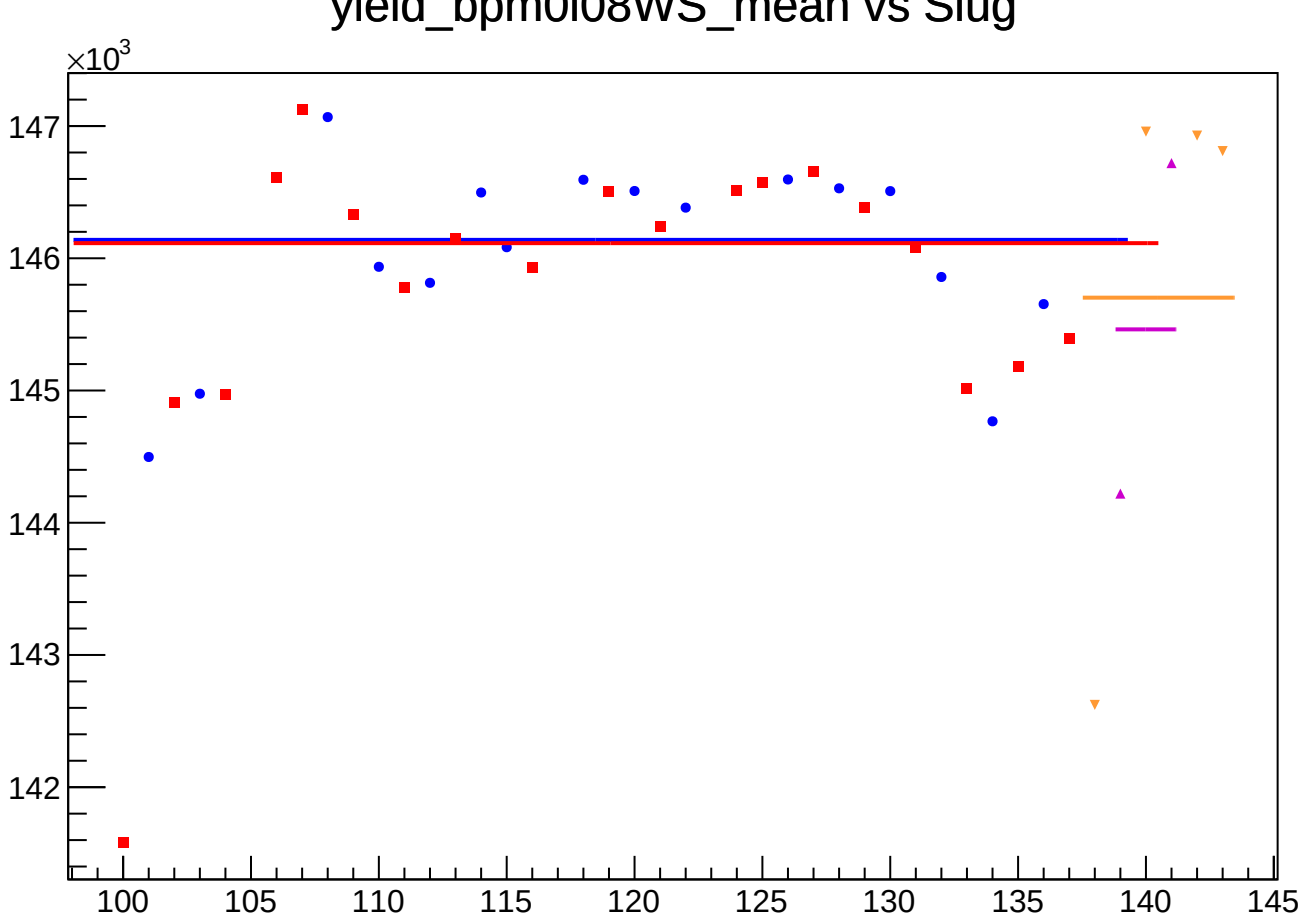
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 190.575+/-0.104 χ^2/NDF:360.2/1

+ sign 169.245+/-0.040 χ^2/NDF: 1186828.5/19

All: 164.520+/-0.028 χ^2/NDF: 2685303.2/40

- sign 159.824+/-0.040 χ^2/NDF: 1470307.4/20



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145702.202+/-0.109 χ^2/NDF:306209020.3/3

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

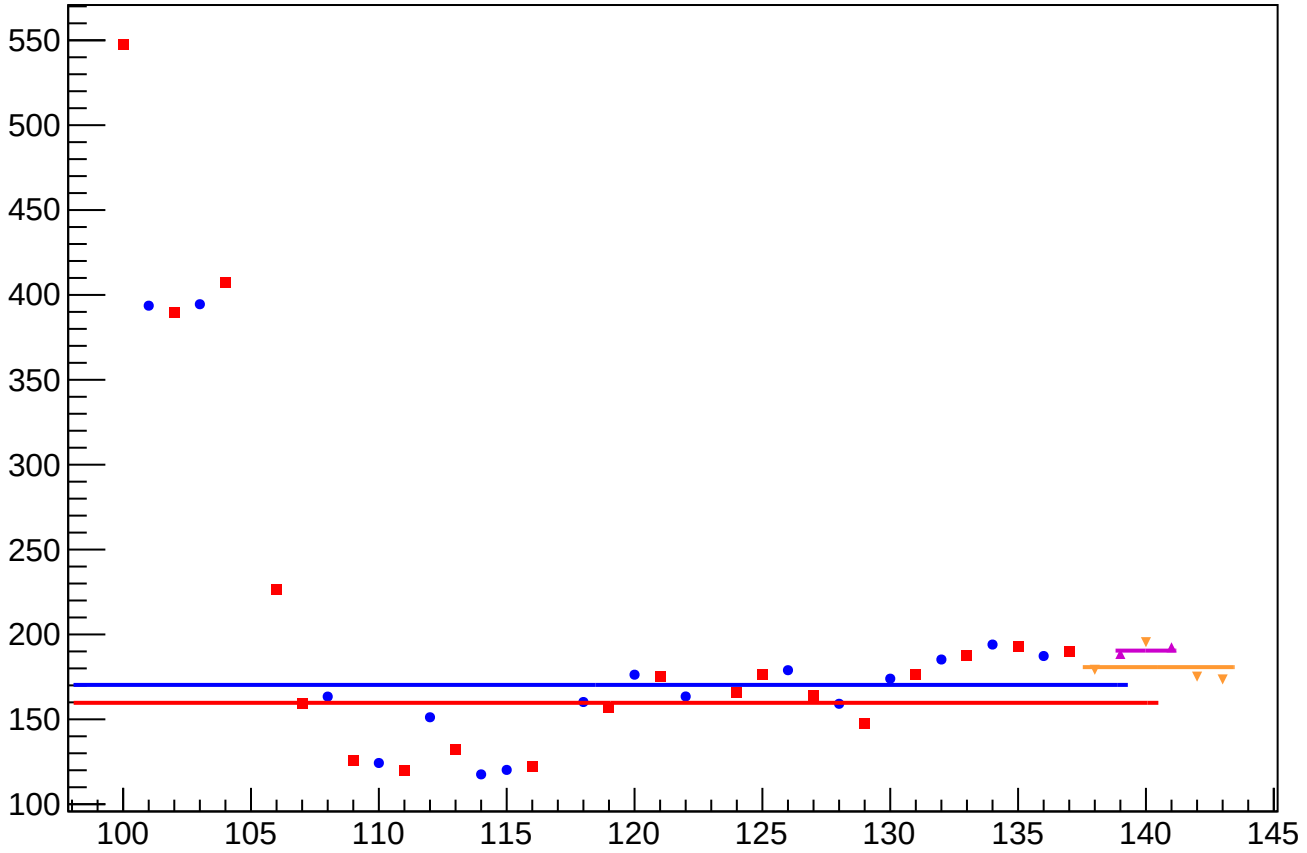
Left In: 145462.385+/-0.146 χ^2/NDF:72964200.4/1

+ sign 146018.764+/-0.057 χ^2/NDF: 389523807.0/1

All: 146016.324+/-0.041 χ^2/NDF: 55239489

- sign 146013.876+/-0.057 χ^2/NDF: 162867462.0/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 180.749+/-0.077 χ^2/NDF:12634.9/3

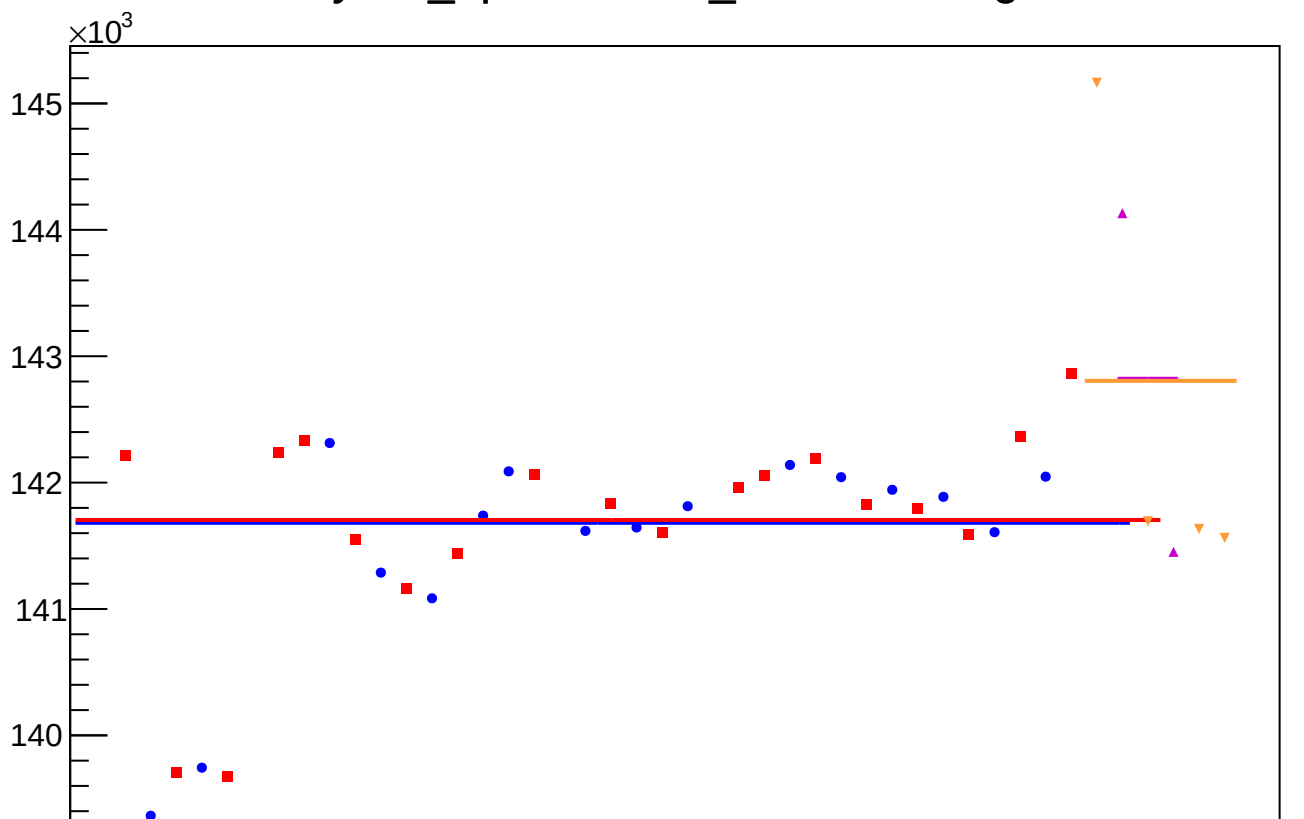
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 190.474+/-0.103 χ^2/NDF:357.6/1

+ sign 173.165+/-0.041 χ^2/NDF: 1083572.8/19

All: 168.824+/-0.029 χ^2/NDF: 2472901.8/40

- sign 164.467+/-0.041 χ^2/NDF: 1366374.9/20



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142805.180+/-0.123 χ^2/NDF:182720595.3/3

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

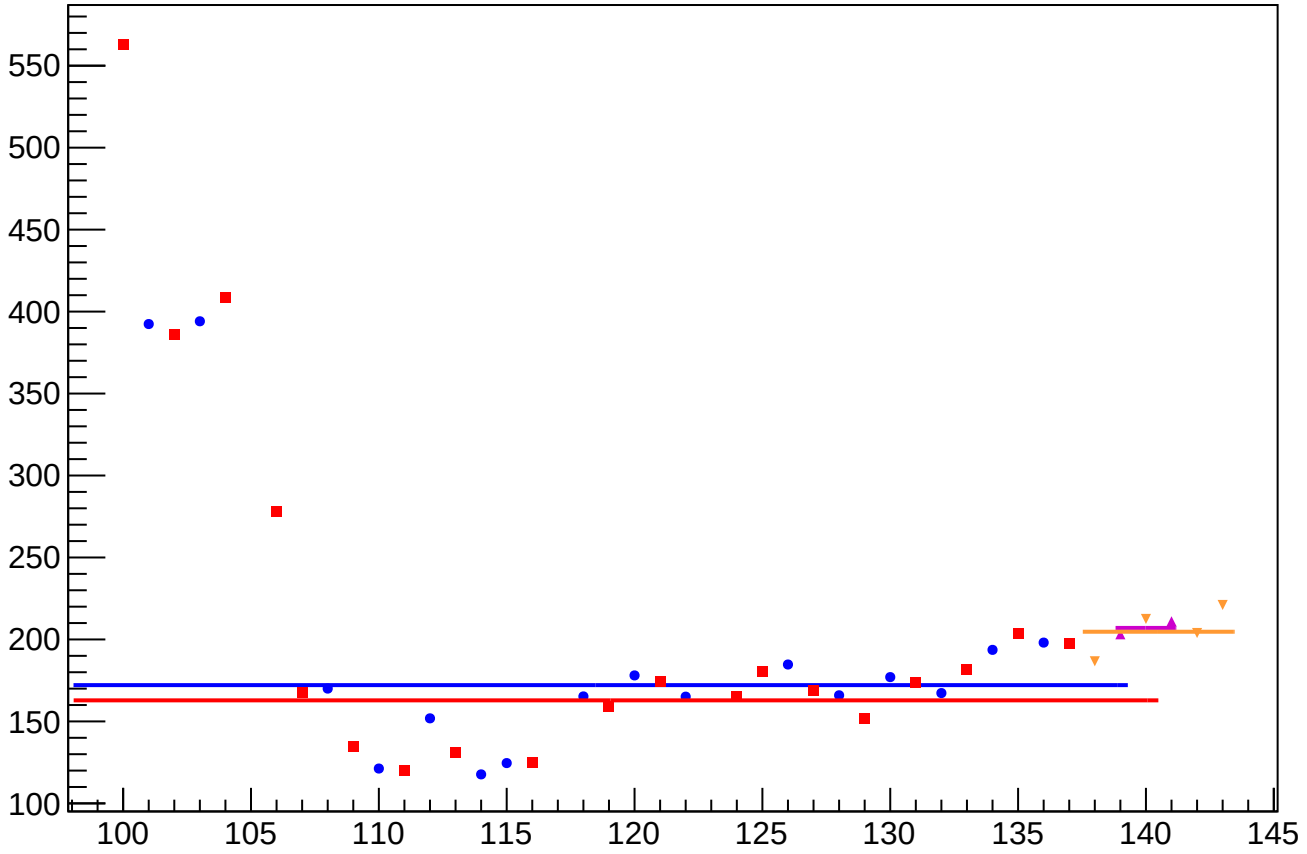
Left In: 142821.549+/-0.159 χ^2/NDF:71081598.5/1

+ sign 141945.891+/-0.060 χ^2/NDF: 310653457.2/1

All: 141902.214+/-0.042 χ^2/NDF: 49090568

- sign 141859.278+/-0.059 χ^2/NDF: 179191146.5/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 204.703+/-0.087 χ^2/NDF:25079.1/3

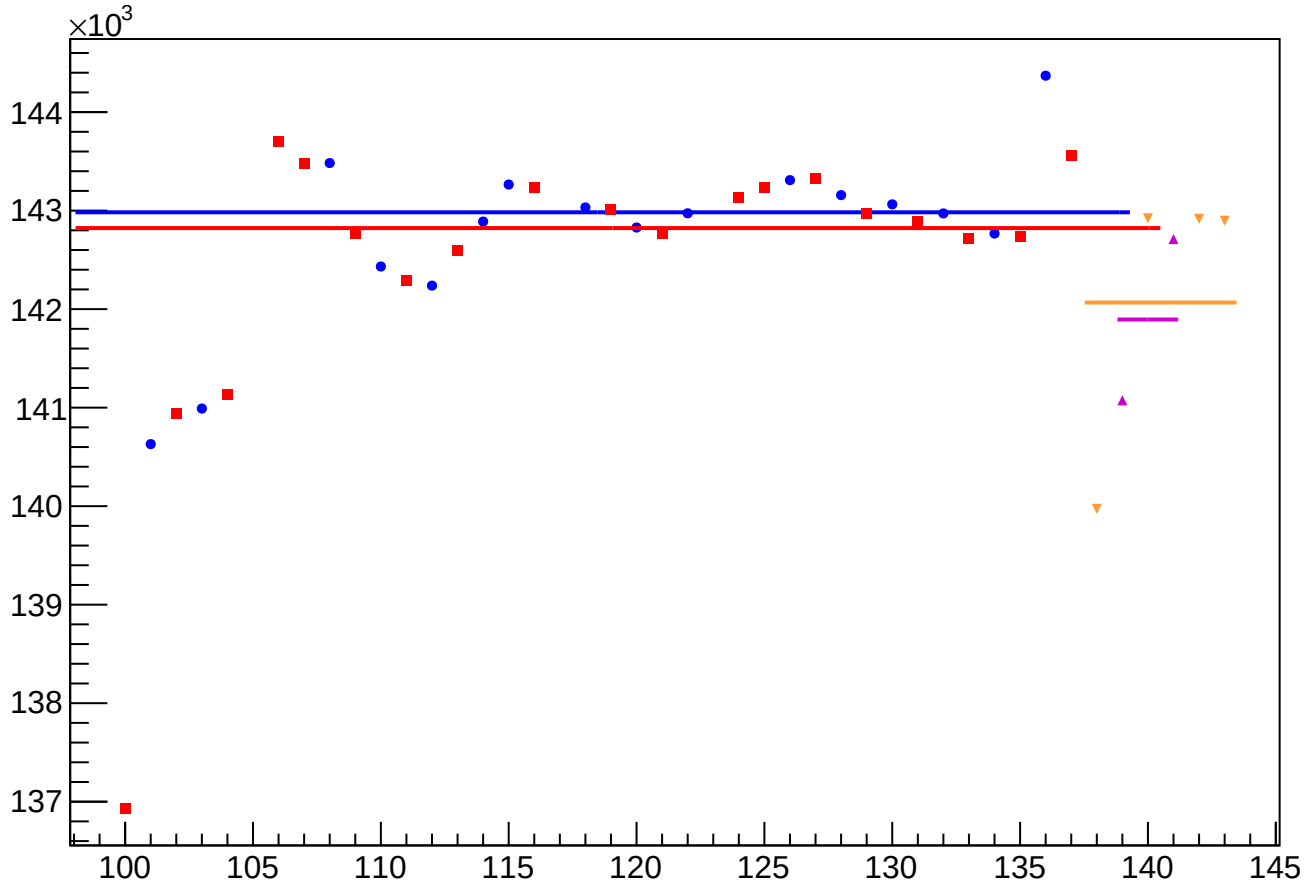
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 207.029+/-0.112 χ^2/NDF:1243.8/1

+ sign 179.793+/-0.042 χ^2/NDF: 1200623.8/19

All: 174.339+/-0.030 χ^2/NDF: 2673985.5/40

- sign 168.978+/-0.042 χ^2/NDF: 1440270.5/20



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142067.080+/-0.106 χ^2/NDF:157419013.0/3

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

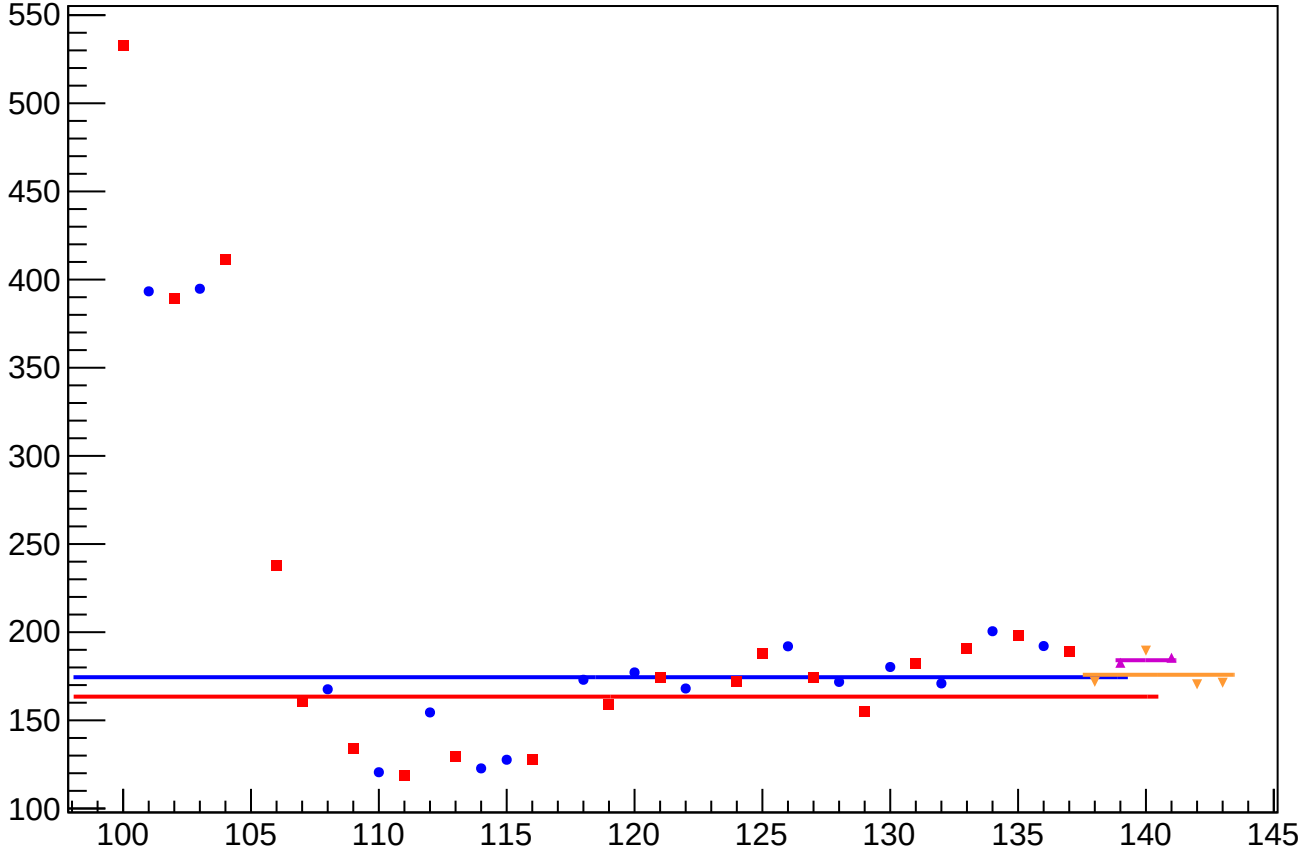
Left In: 141894.528+/-0.141 χ^2/NDF:33608583.8/1

+ sign 142709.553+/-0.058 χ^2/NDF: 317554402.8/1

All: 142687.097+/-0.041 χ^2/NDF: 45091153

- sign 142664.305+/-0.058 χ^2/NDF: 133053851.5/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 175.850+/-0.075 χ^2/NDF:11045.9/3

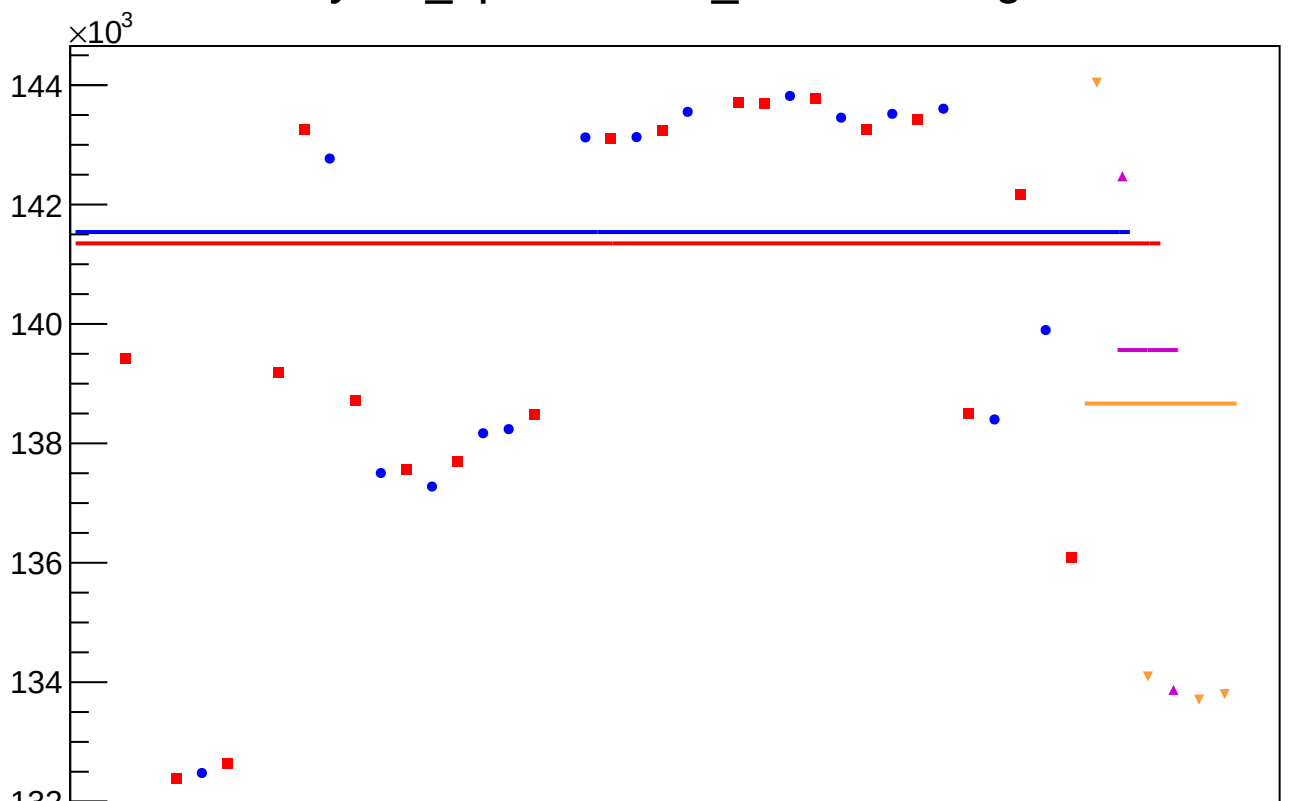
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 184.098+/-0.100 χ^2/NDF:203.6/1

+ sign 174.880+/-0.041 χ^2/NDF: 1060411.6/19

All: 170.956+/-0.029 χ^2/NDF: 2397134.1/40

- sign 166.973+/-0.041 χ^2/NDF: 1318199.3/20



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138666.920+/-0.166 χ^2/NDF:931981699.0/3

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

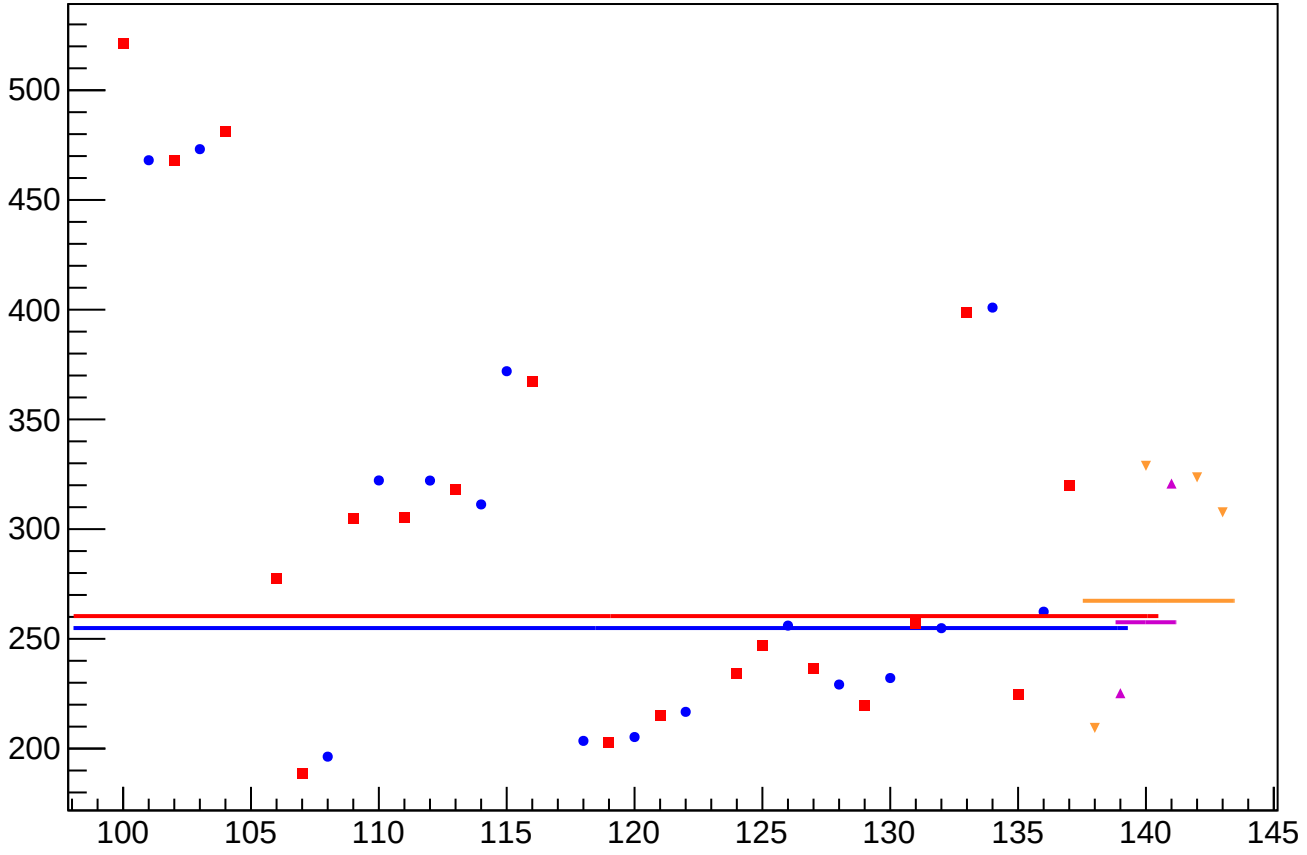
Left In: 139562.865+/-0.204 χ^2/NDF:399495000.3/1

+ sign 140765.545+/-0.086 χ^2/NDF: 2098477411.6

All: 140875.297+/-0.062 χ^2/NDF: 34898193

- sign 140996.419+/-0.091 χ^2/NDF: 1387929130.8/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 267.349+/-0.117 χ^2/NDF:220153.4/3

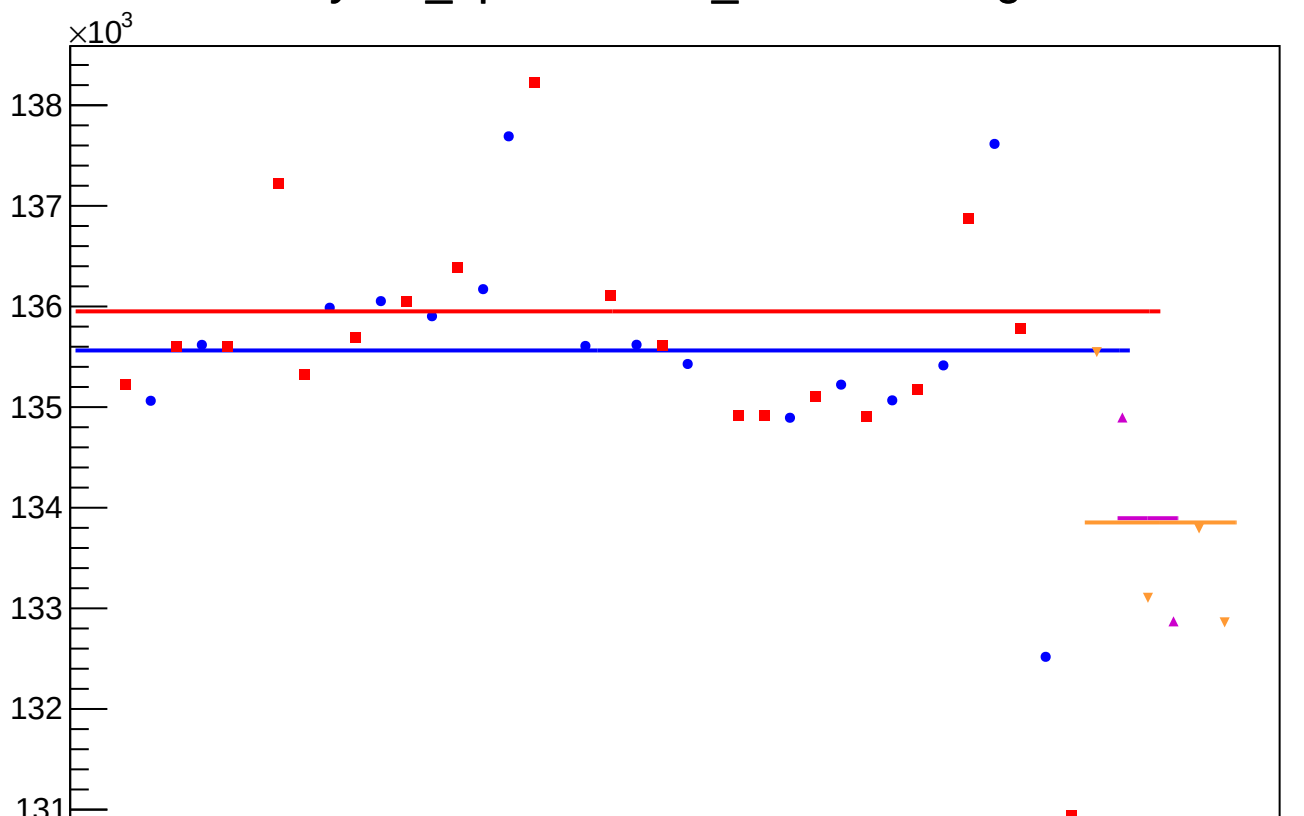
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 257.566+/-0.144 χ^2/NDF:98542.5/1

\+ sign 258.268+/-0.061 χ^2/NDF: 1178297.9/19

All: 259.003+/-0.044 χ^2/NDF: 2270751.2/40

\- sign 259.815+/-0.064 χ^2/NDF: 1092147.0/20



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133853.592+/-0.114 χ^2/NDF:97375396.8/3

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

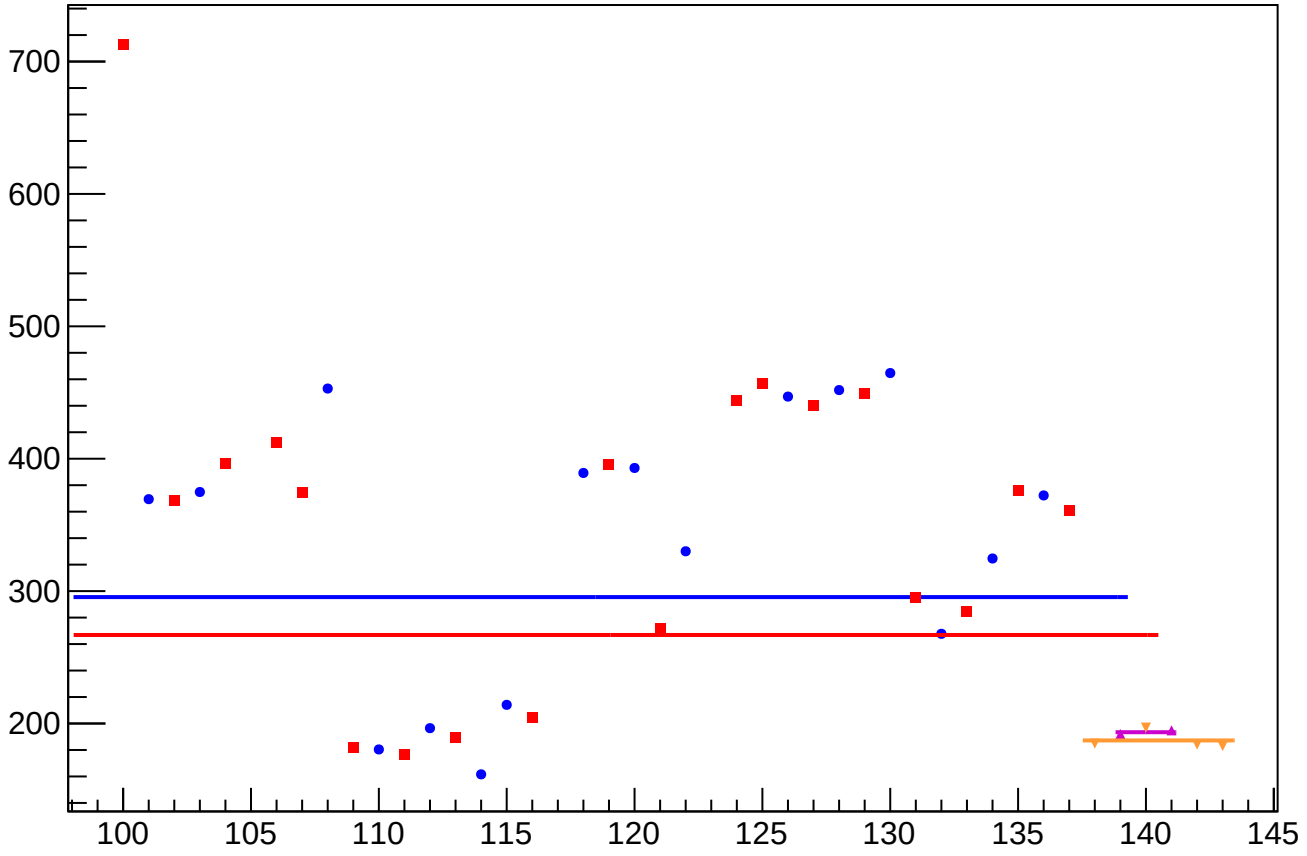
Left In: 133895.839+/-0.149 χ^2/NDF:46105658.0/1

+ sign 134675.739+/-0.082 χ^2/NDF: 299832083.0/1

All: 134951.630+/-0.060 χ^2/NDF: 58728603

- sign 135258.752+/-0.087 χ^2/NDF: 263577919.5/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 187.210+/-0.081 χ^2/NDF:4975.3/3

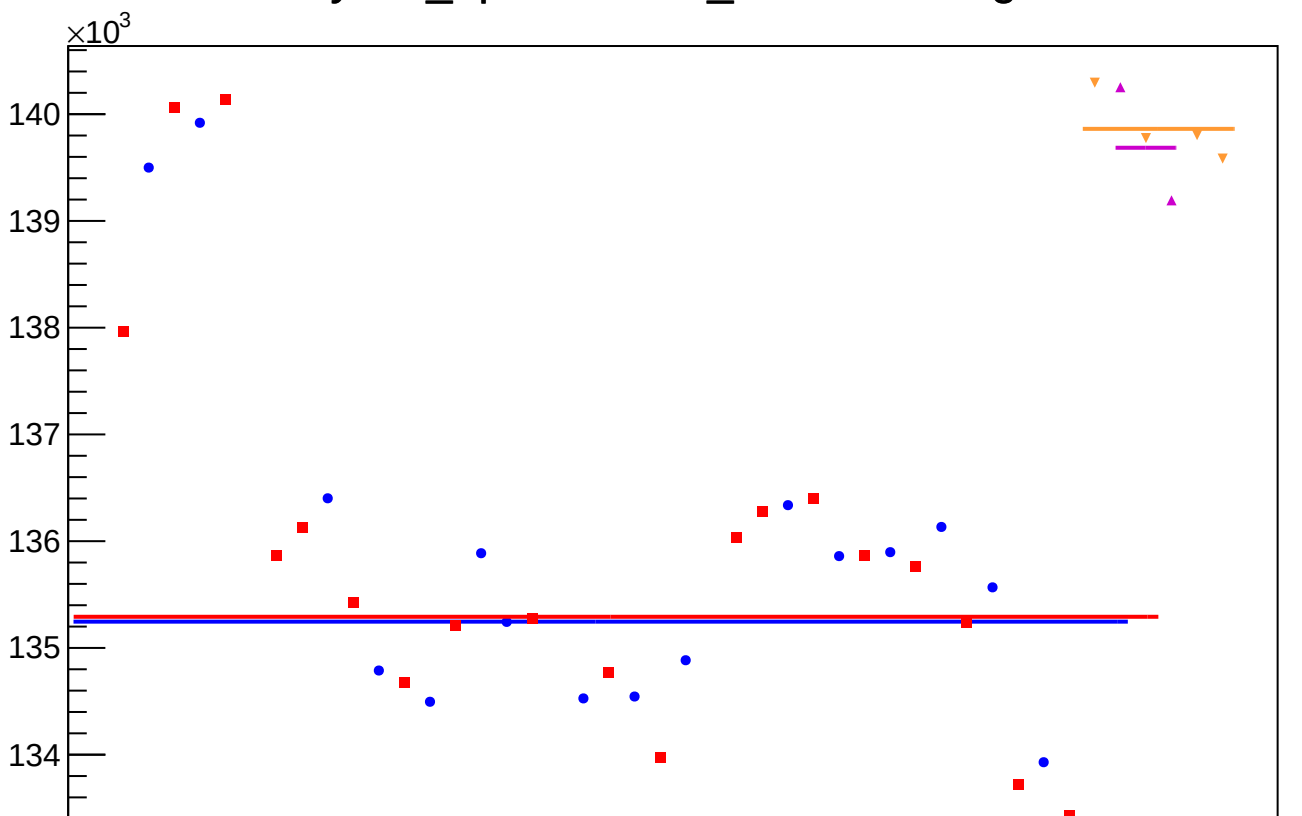
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 193.422+/-0.105 χ^2/NDF:178.0/1

+ sign 239.282+/-0.058 χ^2/NDF: 2316291.8/19

All: 240.622+/-0.042 χ^2/NDF: 4317057.8/40

- sign 242.115+/-0.061 χ^2/NDF: 1999638.5/20



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 139862.434+/-0.105 χ^2/NDF:6999882.4/3

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

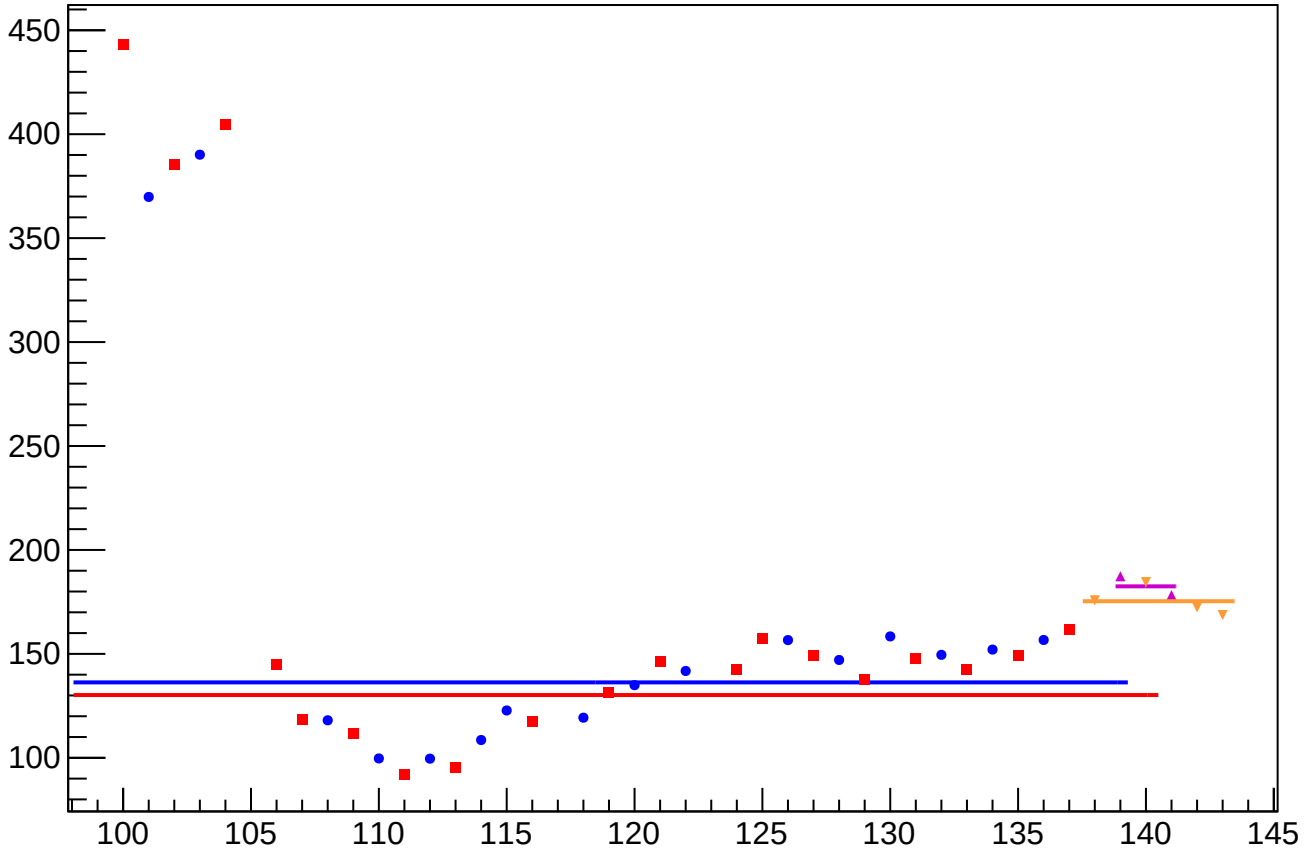
Left In: 139685.403+/-0.139 χ^2/NDF:14351704.0/1

+ sign 136231.070+/-0.049 χ^2/NDF: 1913514437.4

All: 136027.149+/-0.034 χ^2/NDF: 32169364

- sign 135823.364+/-0.049 χ^2/NDF: 1268128121.5/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 175.342+/-0.074 χ^2/NDF:6745.0/3

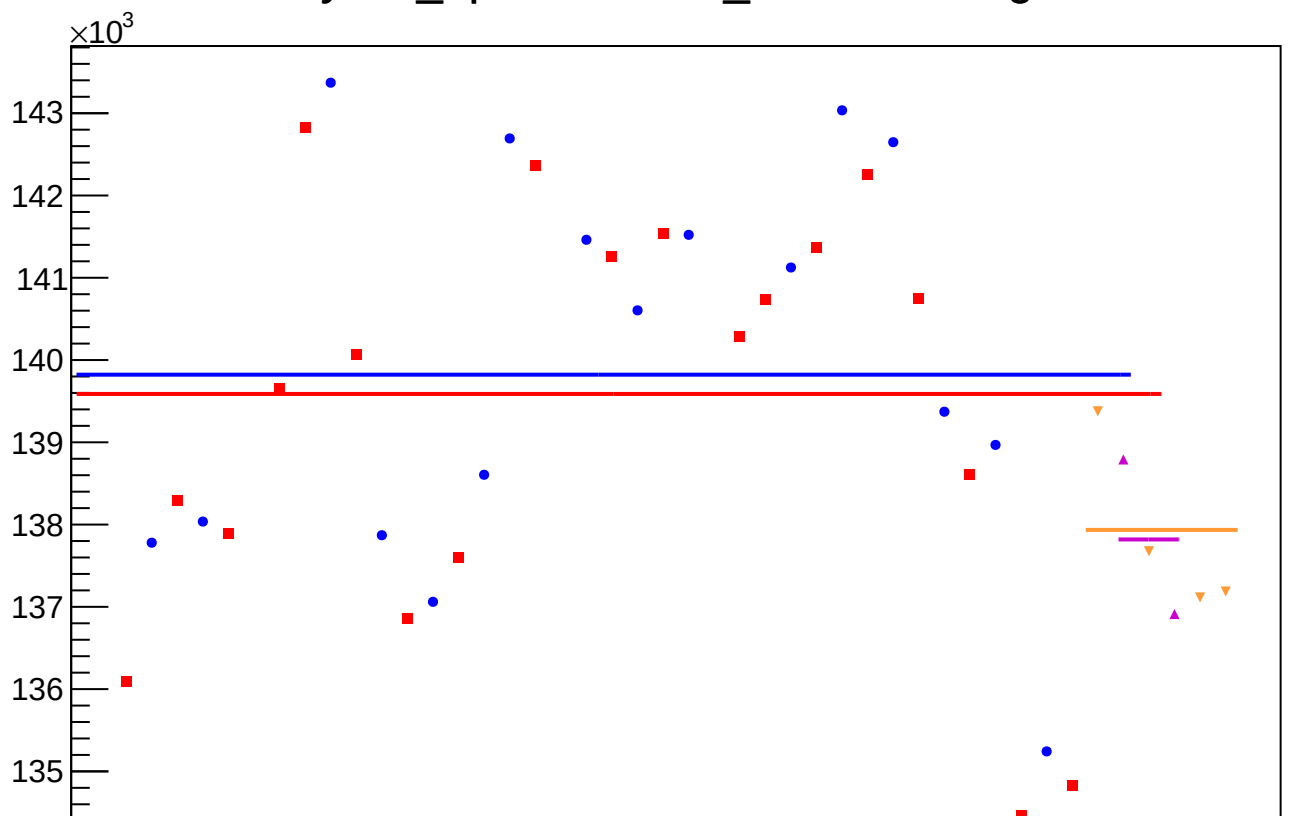
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 182.487+/-0.099 χ^2/NDF:2093.2/1

+ sign 144.617+/-0.034 χ^2/NDF: 1608156.5/19

All: 140.573+/-0.024 χ^2/NDF: 3405808.9/40

- sign 136.531+/-0.034 χ^2/NDF: 1769882.7/20



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137935.063+/-0.106 χ^2/NDF:79335565.3/3

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

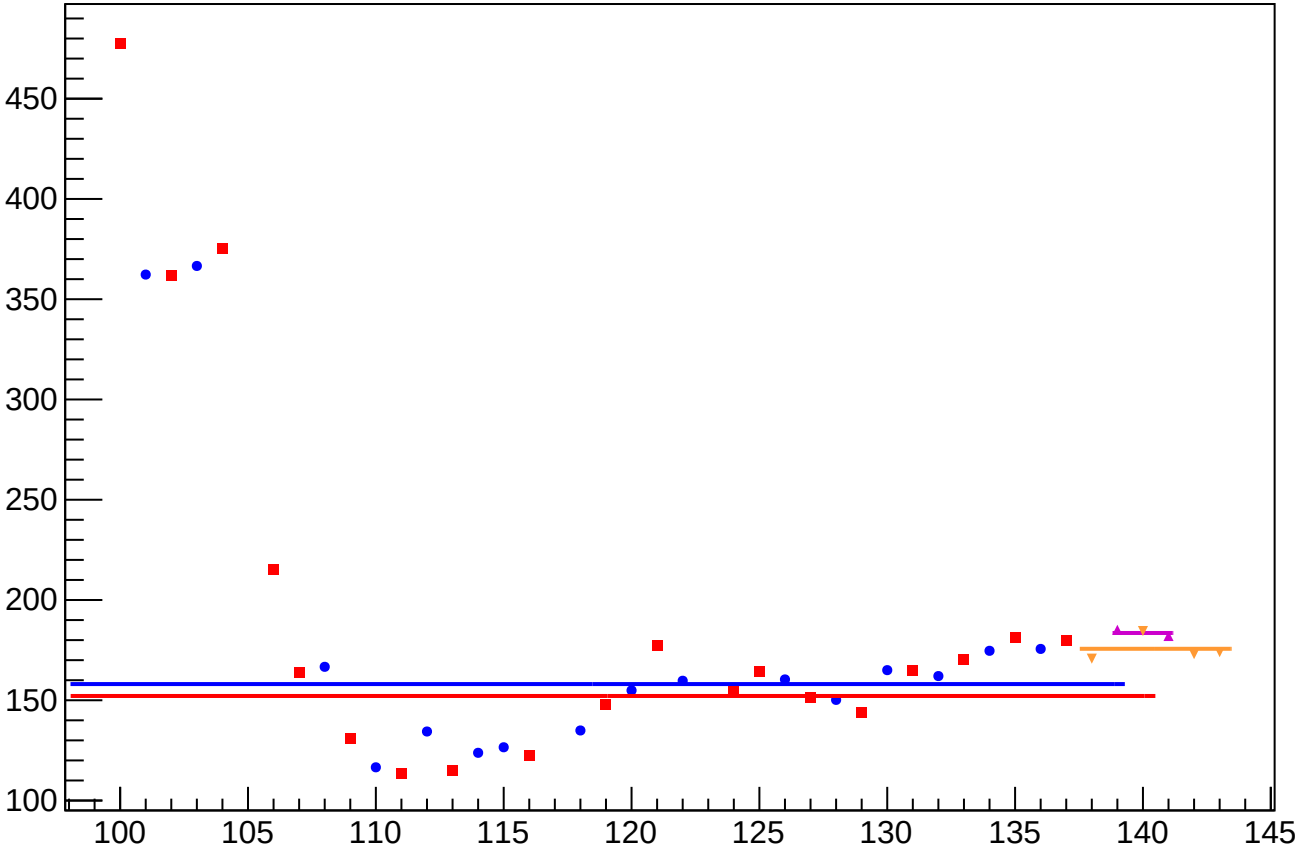
Left In: 137819.209+/-0.141 χ^2/NDF:44584425.8/1

+ sign 139332.234+/-0.054 χ^2/NDF: 1978682494.5

All: 139325.018+/-0.038 χ^2/NDF: 36402920

- sign 139317.501+/-0.055 χ^2/NDF: 1661572905.0/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 175.671+/-0.075 χ^2/NDF:5282.5/3

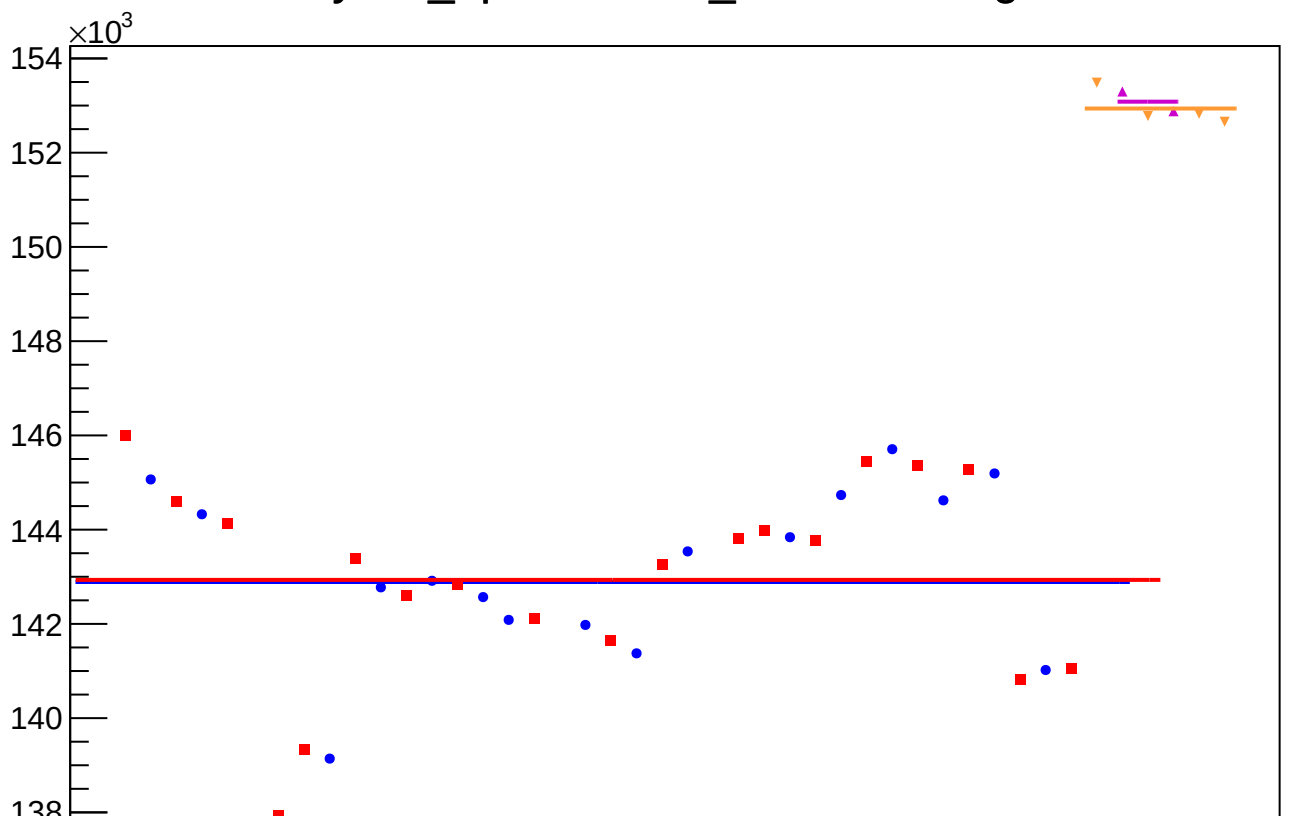
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 183.554+/-0.099 χ^2/NDF:241.5/1

+ sign 162.646+/-0.038 χ^2/NDF: 1064222.6/19

All: 159.852+/-0.027 χ^2/NDF: 2389092.9/40

- sign 156.941+/-0.039 χ^2/NDF: 1313880.4/20



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 152937.414+/-0.109 χ^2/NDF:9490994.0/3

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

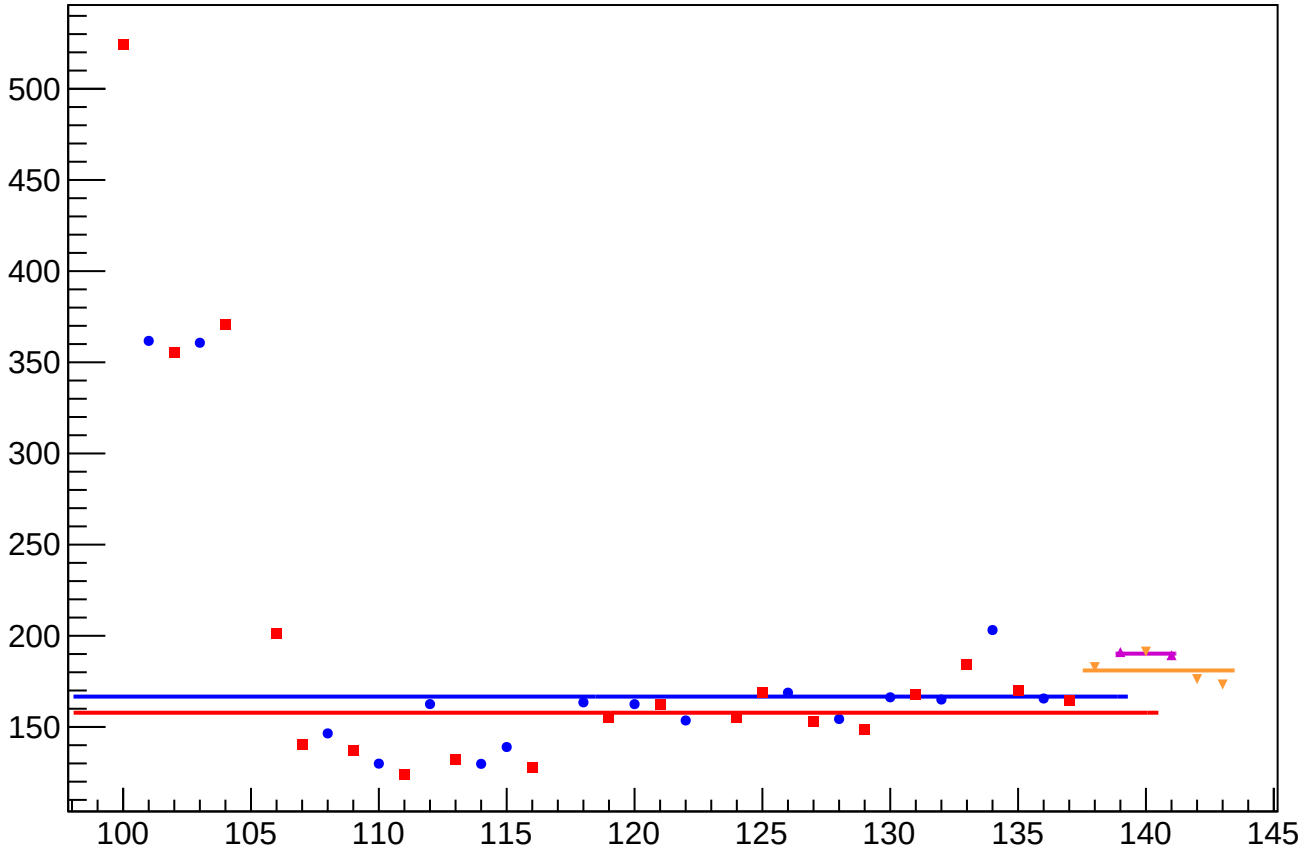
Left In: 153082.890+/-0.146 χ^2/NDF:2062512.8/1

+ sign 145553.769+/-0.056 χ^2/NDF: 6977885684.3

All: 145014.515+/-0.040 χ^2/NDF: 12063041

- sign 144467.774+/-0.057 χ^2/NDF: 4900441461.9/

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 180.998+/-0.077 χ^2/NDF:8459.9/3

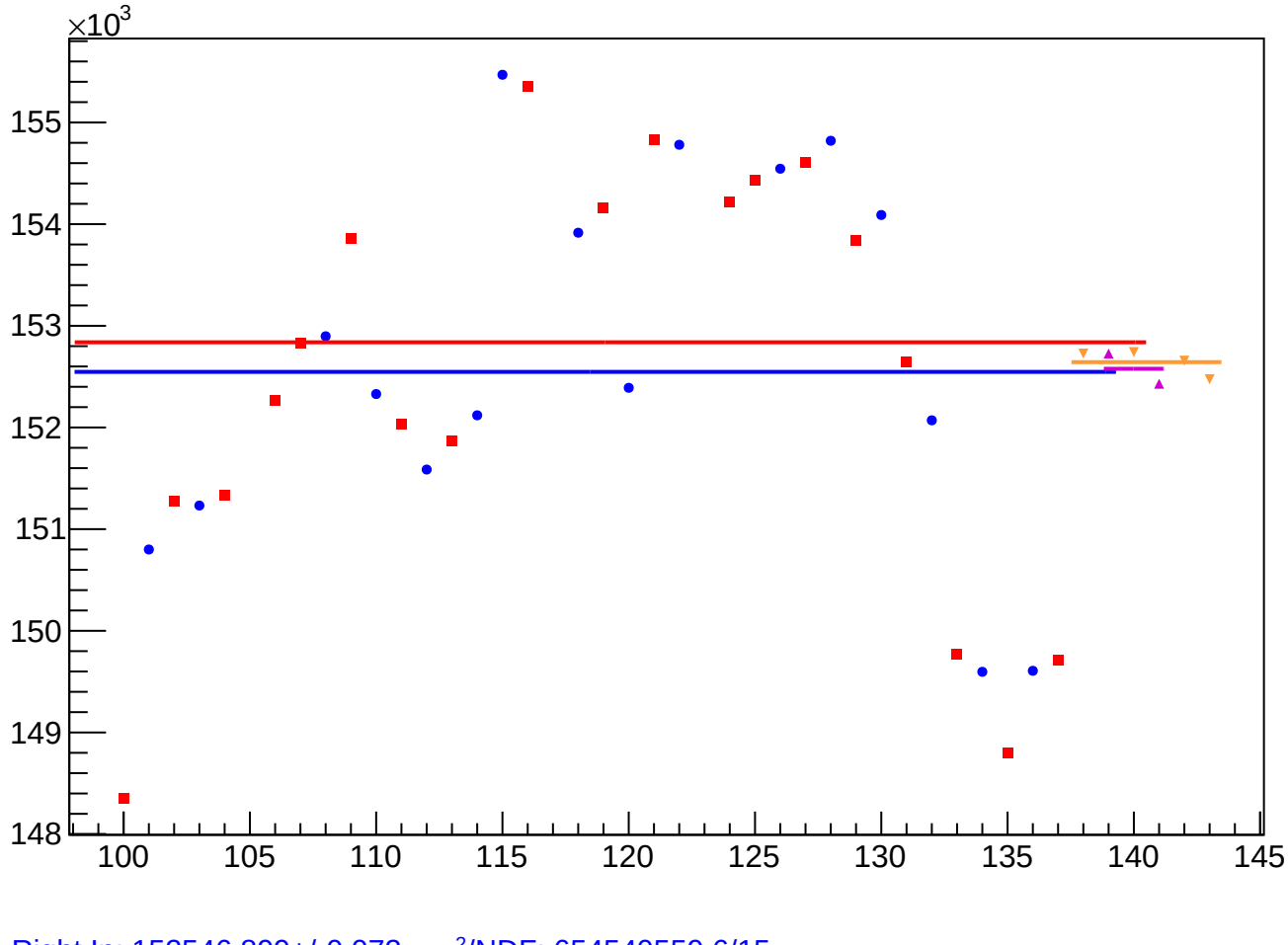
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 190.217+/-0.103 χ^2/NDF:67.8/1

+ sign 170.459+/-0.040 χ^2/NDF: 897316.3/19

All: 166.610+/-0.028 χ^2/NDF: 2022379.6/40

- sign 162.707+/-0.040 χ^2/NDF: 1106238.7/20



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152642.697+/-0.107 χ^2/NDF:1135075.2/3

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

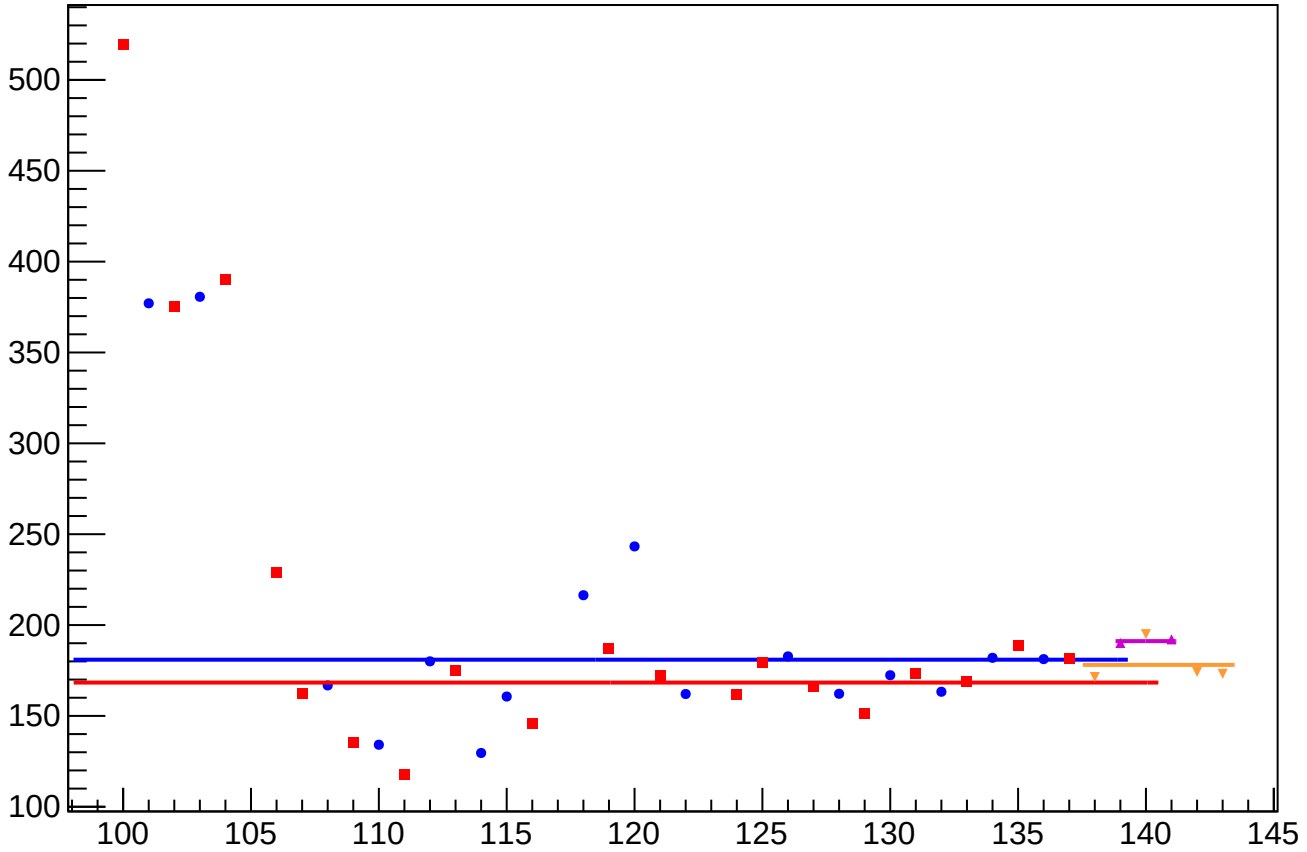
Left In: 152577.162+/-0.146 χ^2/NDF:1028613.8/1

+ sign 152577.036+/-0.060 χ^2/NDF: 656223139.5/1

All: 152684.089+/-0.043 χ^2/NDF: 14031867

- sign 152793.096+/-0.061 χ^2/NDF: 740563880.4/2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 178.074+/-0.076 χ^2/NDF:16026.8/3

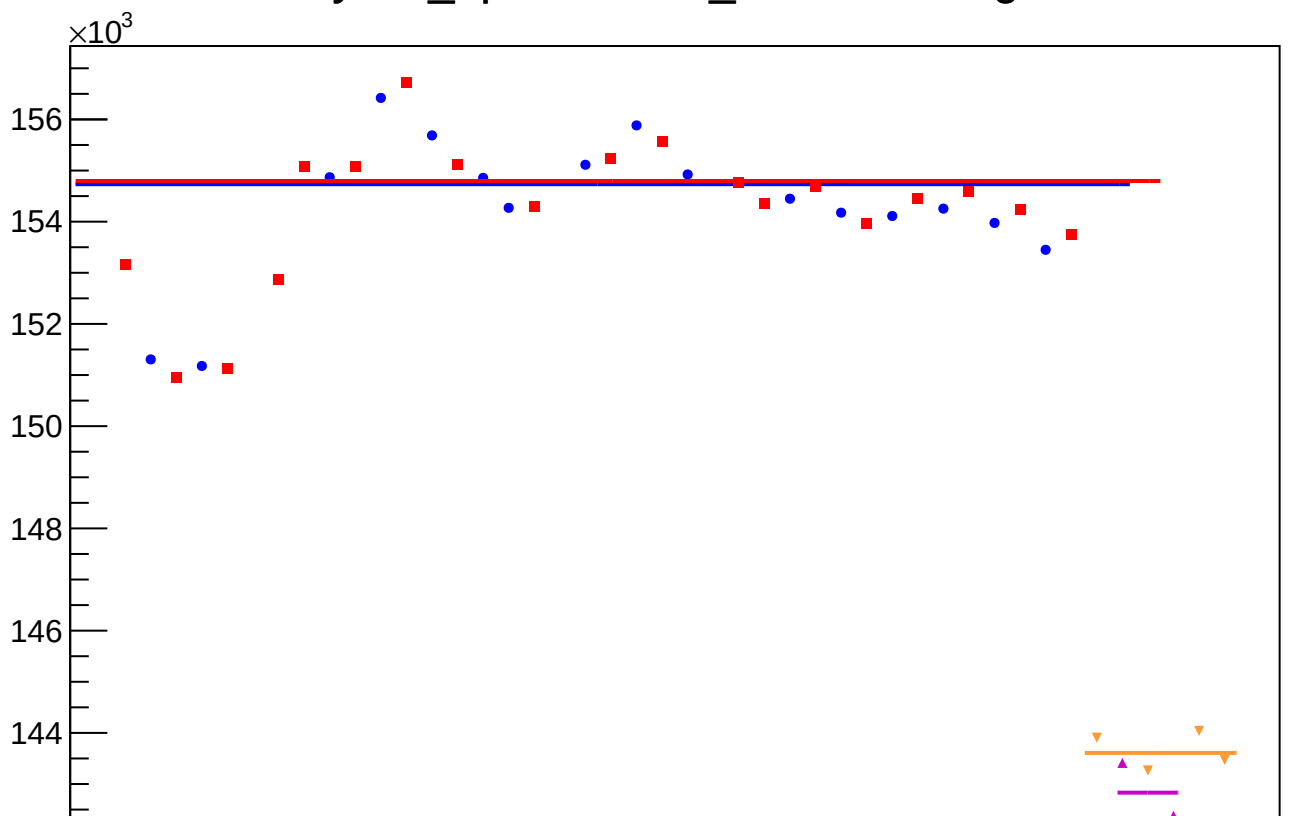
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 191.163+/-0.103 χ^2/NDF:90.9/1

+ sign 180.037+/-0.043 χ^2/NDF: 924763.7/19

All: 176.188+/-0.030 χ^2/NDF: 2070737.9/40

- sign 172.268+/-0.043 χ^2/NDF: 1129424.9/20



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143608.753+/-0.102 χ^2/NDF:8625427.8/3

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

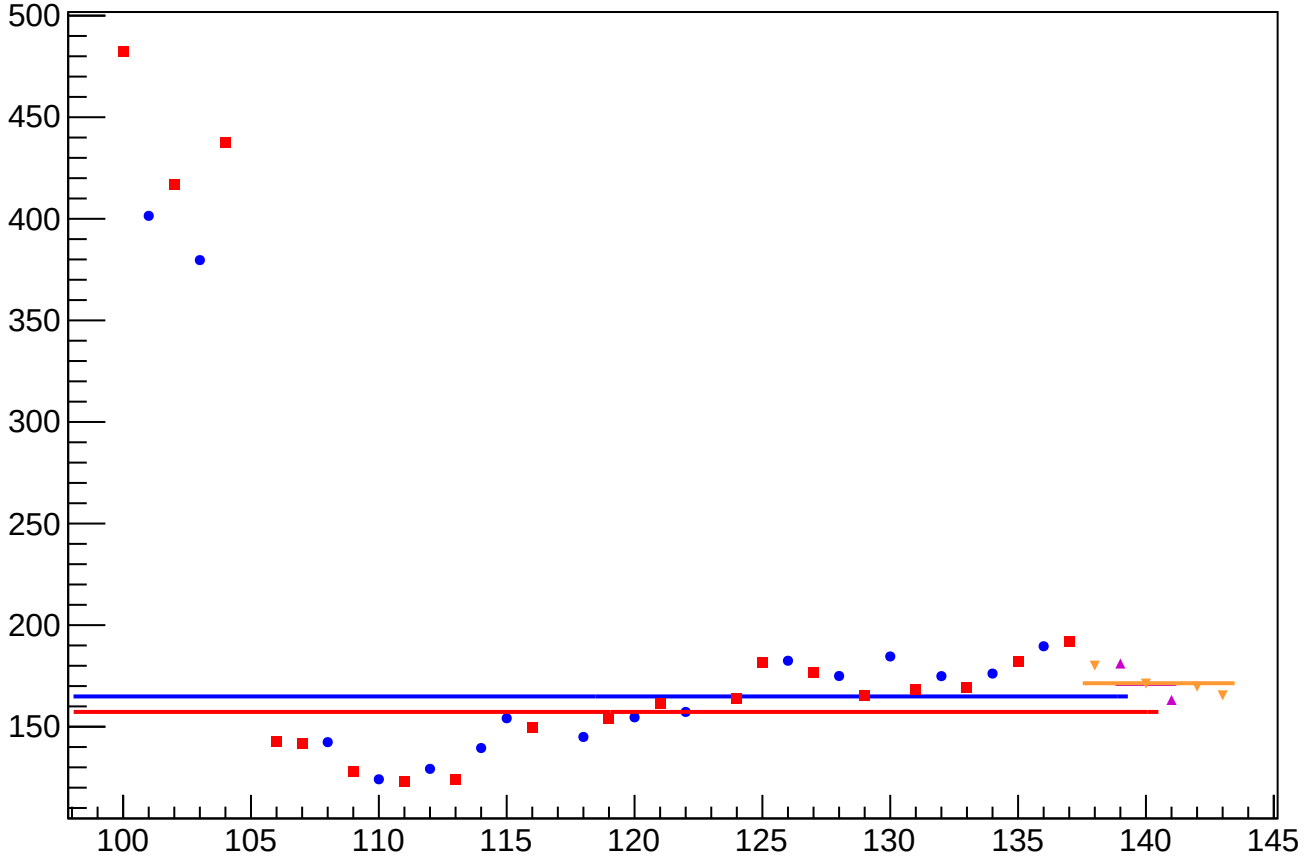
Left In: 142831.278+/-0.131 χ^2/NDF:15370112.5/1

+ sign 151528.403+/-0.055 χ^2/NDF: 8670731980.5

All: 152089.647+/-0.039 χ^2/NDF: 16060342

- sign 152657.678+/-0.055 χ^2/NDF: 7180155112.5/

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 171.402+/-0.072 χ^2/NDF:5690.9/3

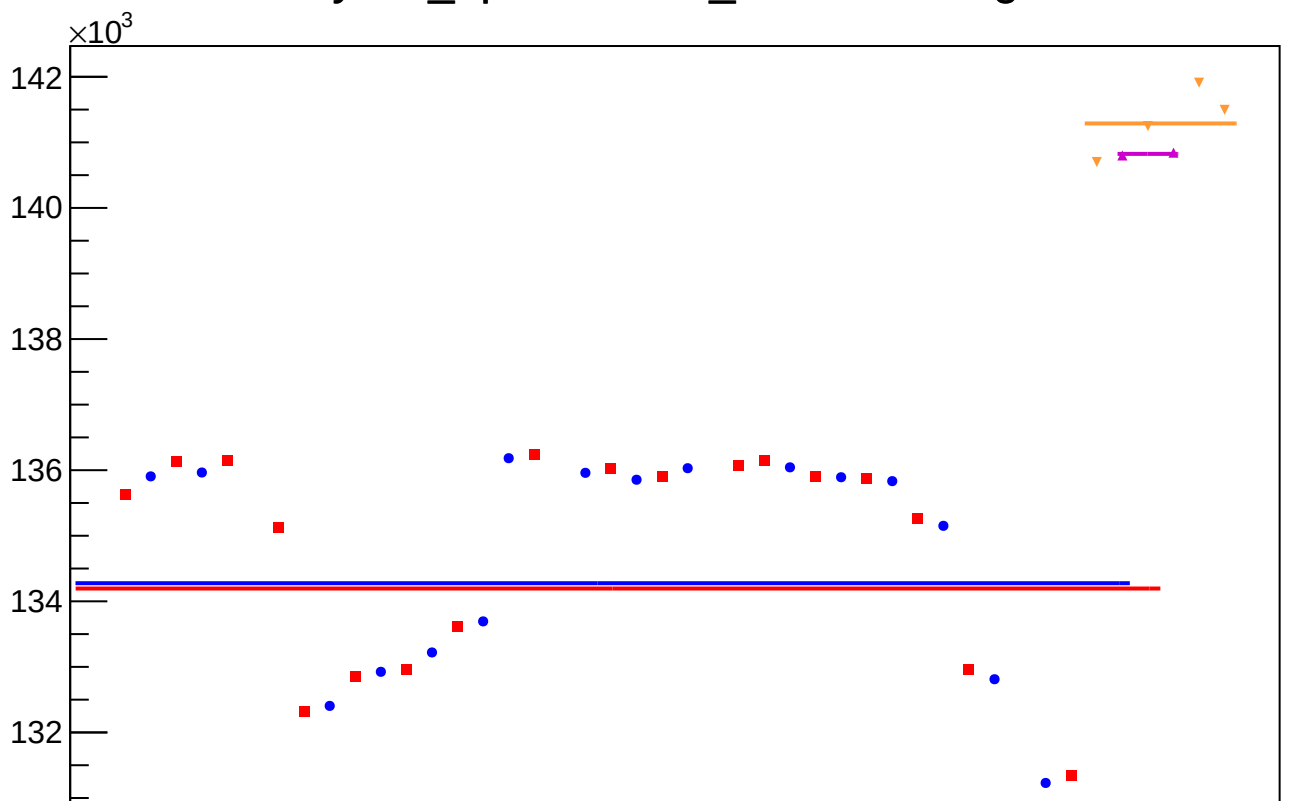
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 171.031+/-0.093 χ^2/NDF:9219.7/1

+ sign 166.778+/-0.039 χ^2/NDF: 1084140.5/19

All: 163.280+/-0.028 χ^2/NDF: 2382577.8/40

- sign 159.740+/-0.039 χ^2/NDF: 1282167.6/20



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 141288.436+/-0.100 χ^2/NDF:15973185.5/3

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

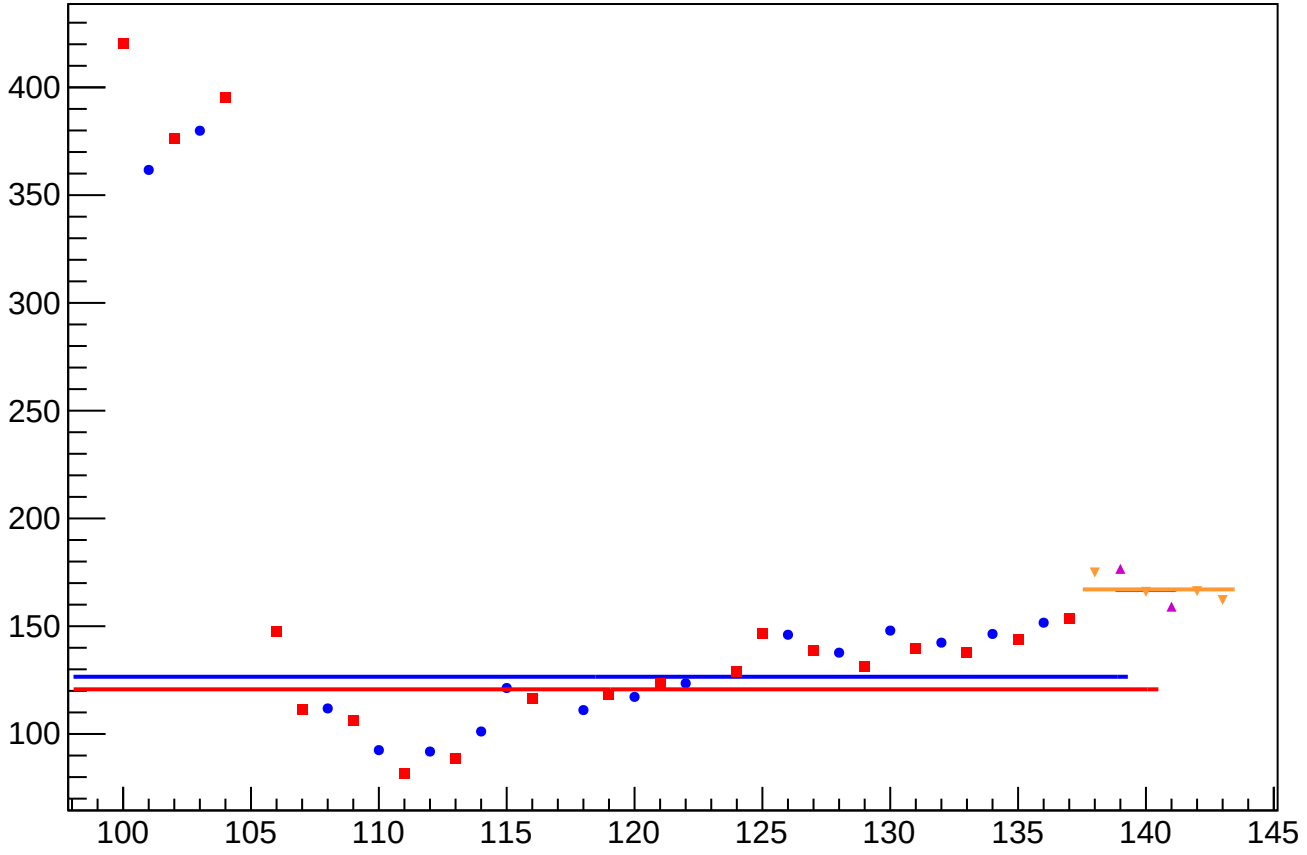
Left In: 140824.445+/-0.128 χ^2/NDF:27555.5/1

+ sign 135716.025+/-0.045 χ^2/NDF: 5067641912.3

All: 135362.260+/-0.032 χ^2/NDF: 87542128

- sign 135014.651+/-0.045 χ^2/NDF: 3565699440.9/

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 167.080+/-0.071 χ^2/NDF:4653.9/3

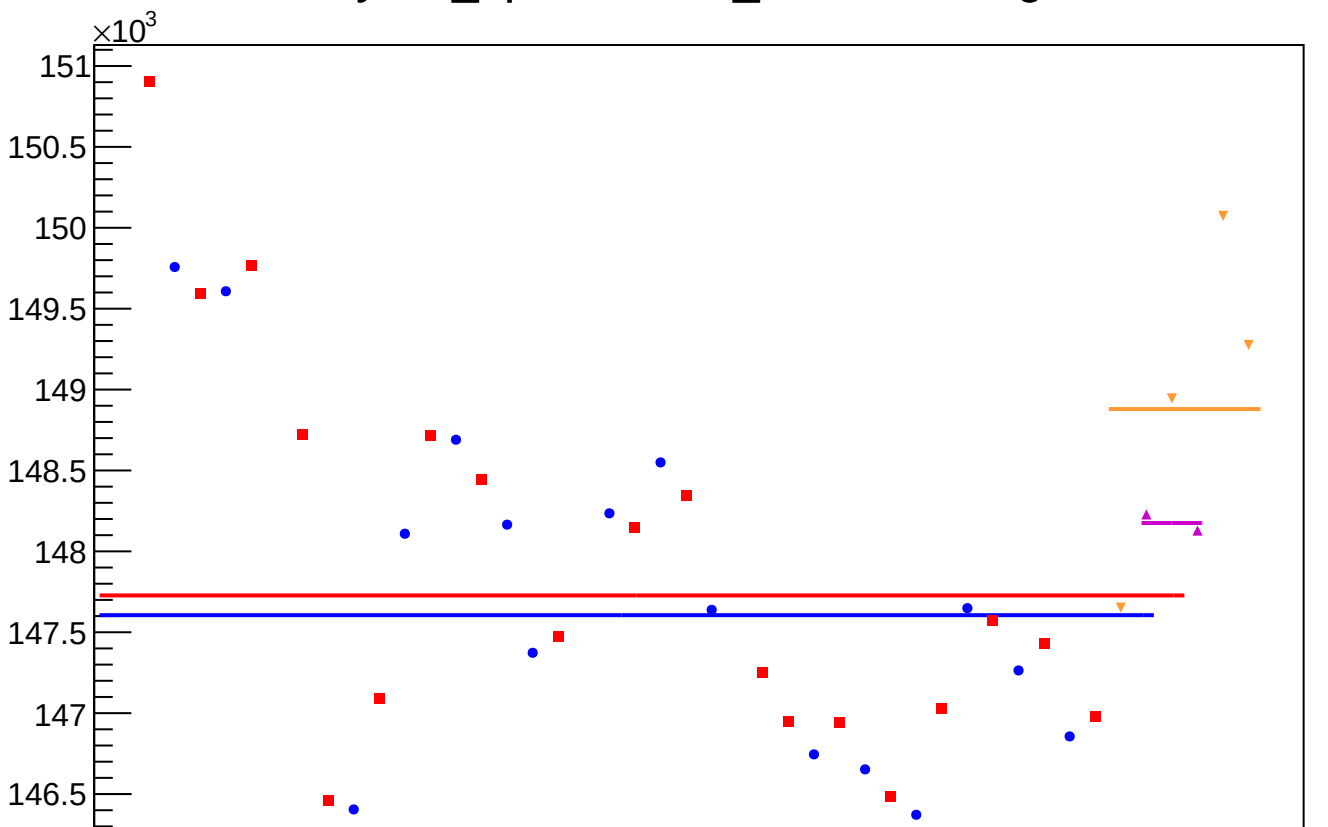
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 166.776+/-0.090 χ^2/NDF:9276.7/1

+ sign 134.873+/-0.032 χ^2/NDF: 1743226.9/19

All: 130.607+/-0.023 χ^2/NDF: 3648186.5/40

- sign 126.415+/-0.032 χ^2/NDF: 1869805.9/20



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 148879.603+/-0.120 χ^2/NDF:46651397.0/3

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

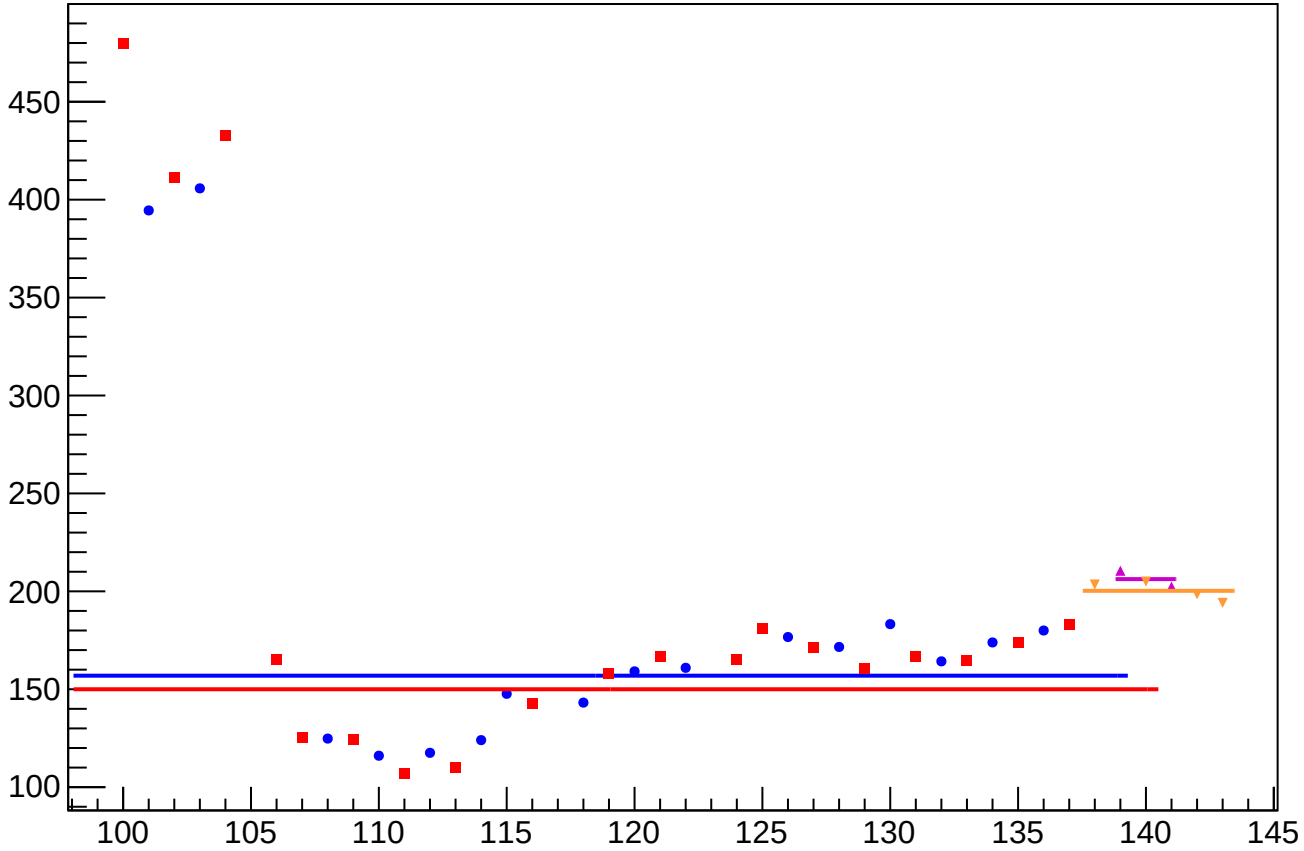
Left In: 148175.320+/-0.158 χ^2/NDF:100003.0/1

+ sign 147878.090+/-0.055 χ^2/NDF: 336108060.3/1

All: 147830.121+/-0.039 χ^2/NDF: 53957793

- sign 147782.479+/-0.055 χ^2/NDF: 201975099.2/2

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 200.270+/-0.085 χ^2/NDF:2919.6/3

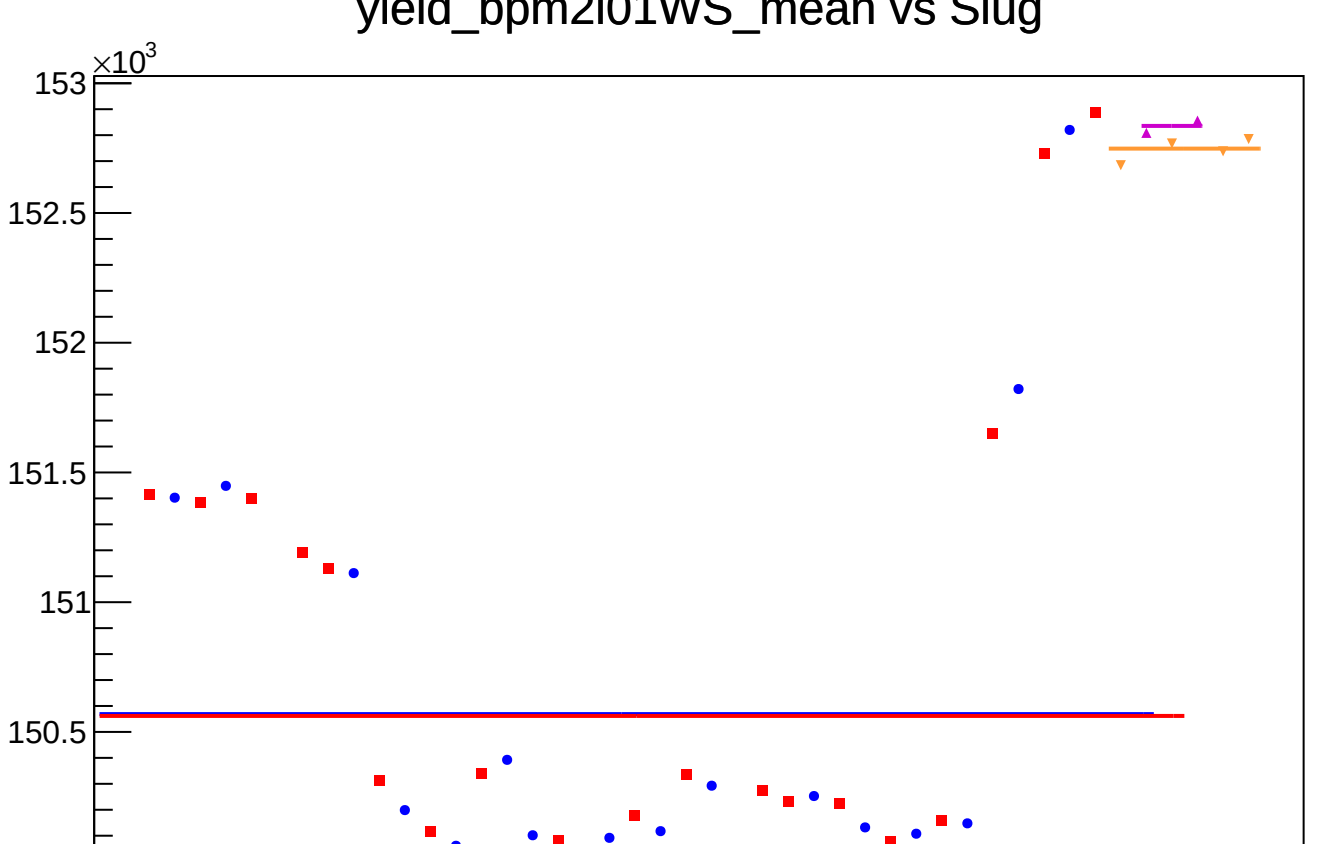
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 206.244+/-0.111 χ^2/NDF:1306.9/1

+ sign 166.197+/-0.039 χ^2/NDF: 1474580.0/19

All: 161.527+/-0.028 χ^2/NDF: 3181502.1/40

- sign 156.889+/-0.039 χ^2/NDF: 1678586.6/20



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152748.129+/-0.101 χ^2/NDF:150068.0/3

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

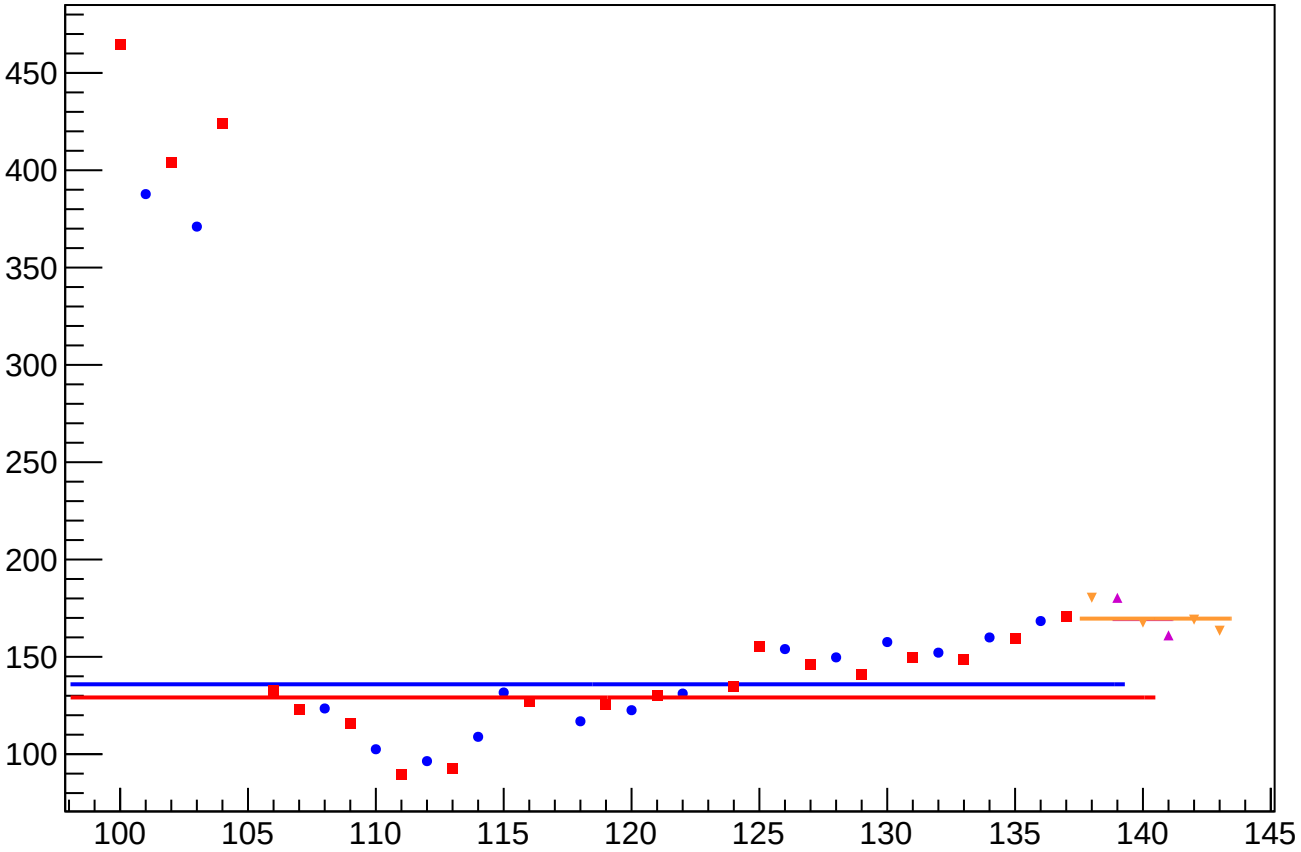
Left In: 152835.584+/-0.130 χ^2/NDF:32542.5/1

+ sign 151057.927+/-0.048 χ^2/NDF: 594879890.8/1

All: 150960.732+/-0.034 χ^2/NDF: 10668583

- sign 150866.130+/-0.047 χ^2/NDF: 463918199.1/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 169.640+/-0.072 χ^2/NDF:7983.7/3

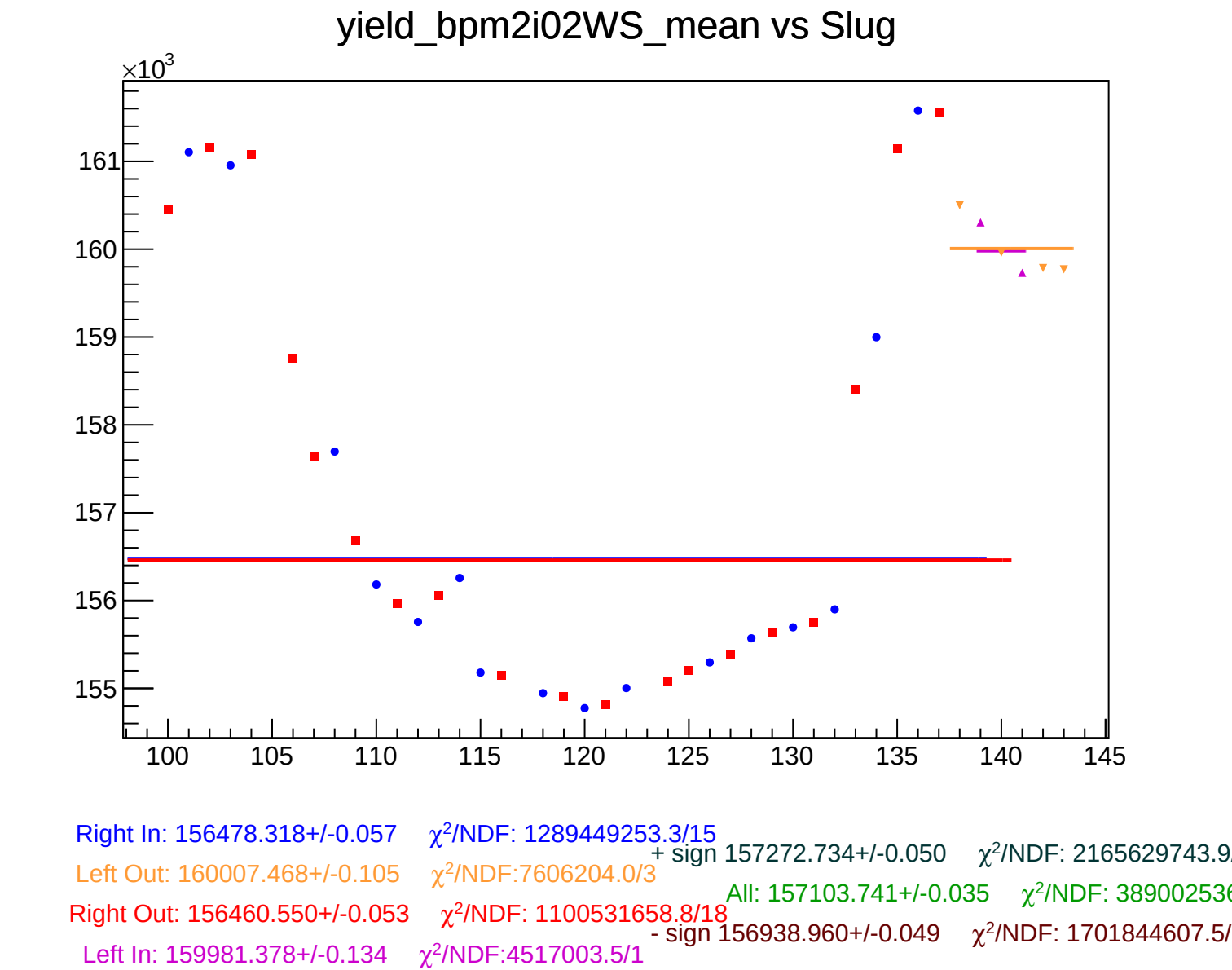
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 169.395+/-0.092 χ^2/NDF:10871.4/1

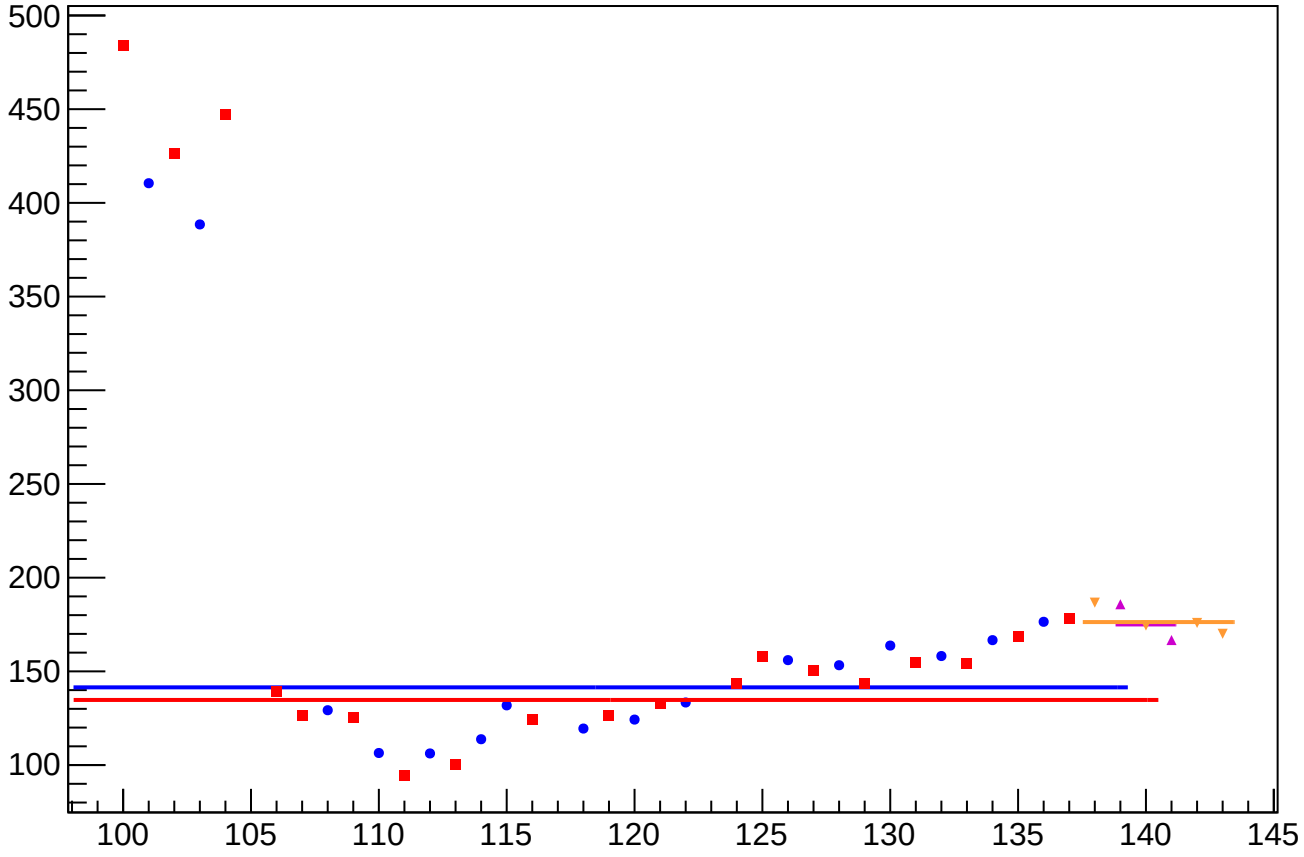
+ sign 143.472+/-0.034 χ^2/NDF: 1595744.2/19

All: 138.936+/-0.024 χ^2/NDF: 3423068.8/40

- sign 134.522+/-0.034 χ^2/NDF: 1792225.1/20


yield_bpm2i02WS_mean vs Slug
×10^3
161
160
159
158
157
156
155
100
105
110
115
120
125
130
135
140
145
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 160007.468+/-0.105 χ²/NDF:7606204.0/3
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 159981.378+/-0.134 χ²/NDF:4517003.5/1
+ sign 157272.734+/-0.050 χ²/NDF: 2165629743.9
All: 157103.741+/-0.035 χ²/NDF: 389002536
- sign 156938.960+/-0.049 χ²/NDF: 1701844607.5/

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 176.309+/-0.075 χ^2/NDF:7061.2/3

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

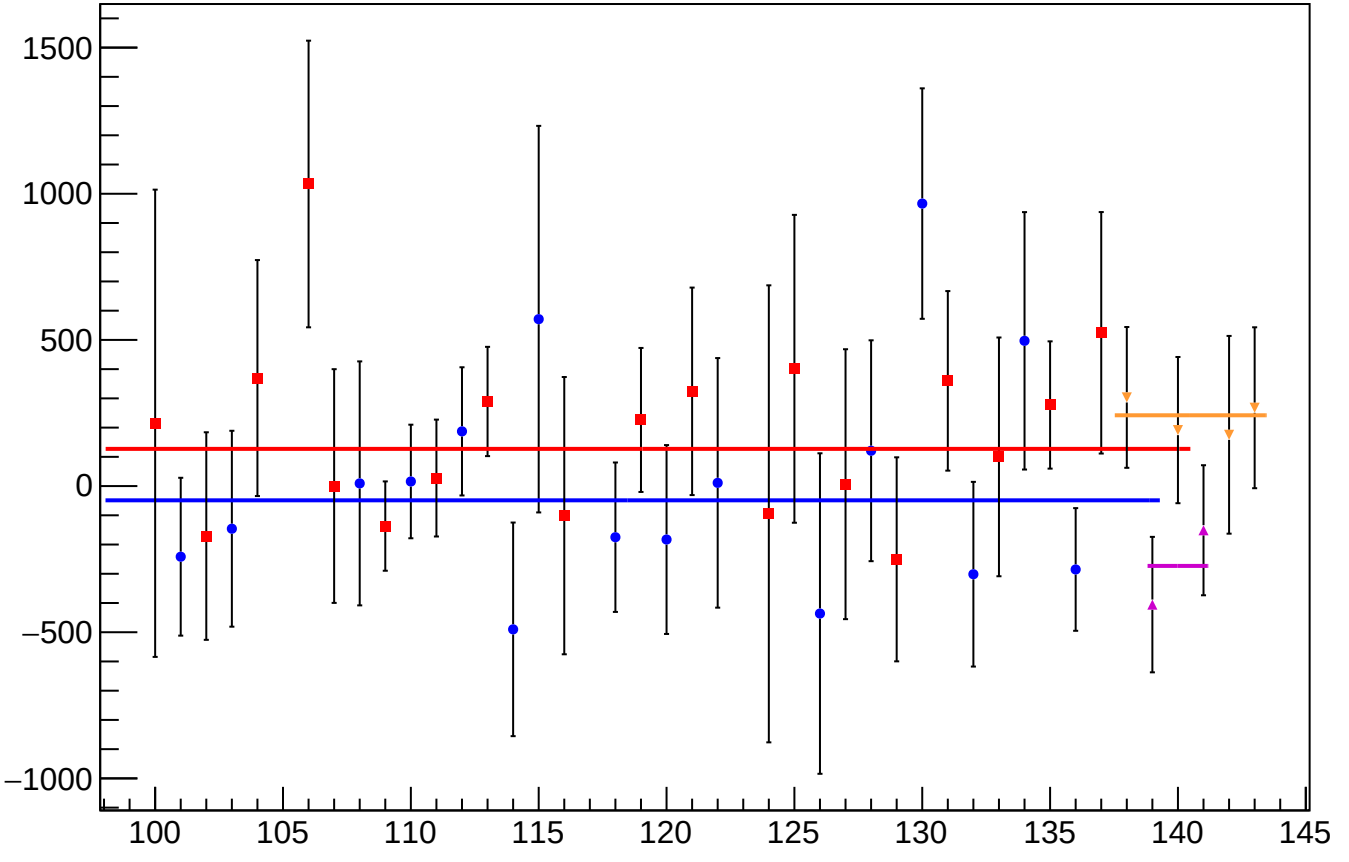
Left In: 175.037+/-0.095 χ^2/NDF:9987.6/1

+ sign 149.312+/-0.035 χ^2/NDF: 1568285.5/19

All: 144.709+/-0.025 χ^2/NDF: 3347081.1/40

- sign 140.220+/-0.035 χ^2/NDF: 1745329.2/20

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 242.177+/-134.637 χ^2/NDF:0.2/3

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

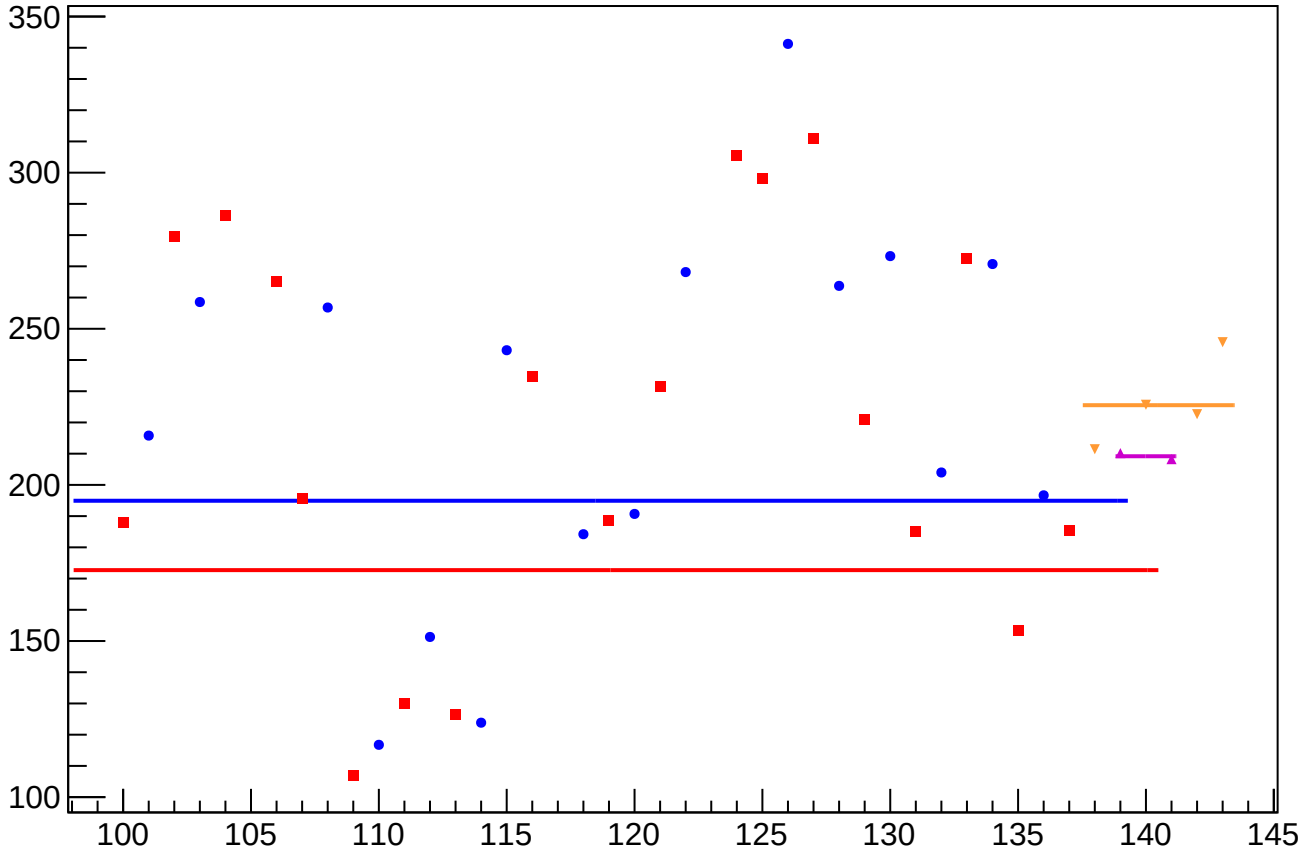
Left In: -273.127+/-160.479 χ^2/NDF:0.6/1

\+ sign 22.381+/-66.573 χ^2/NDF: 19.1/19

All: 45.145+/-45.761 χ^2/NDF: 38.1/40

\- sign 65.534+/-63.005 χ^2/NDF: 18.7/20

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 225.527+/-0.095 χ^2/NDF:17758.4/3

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

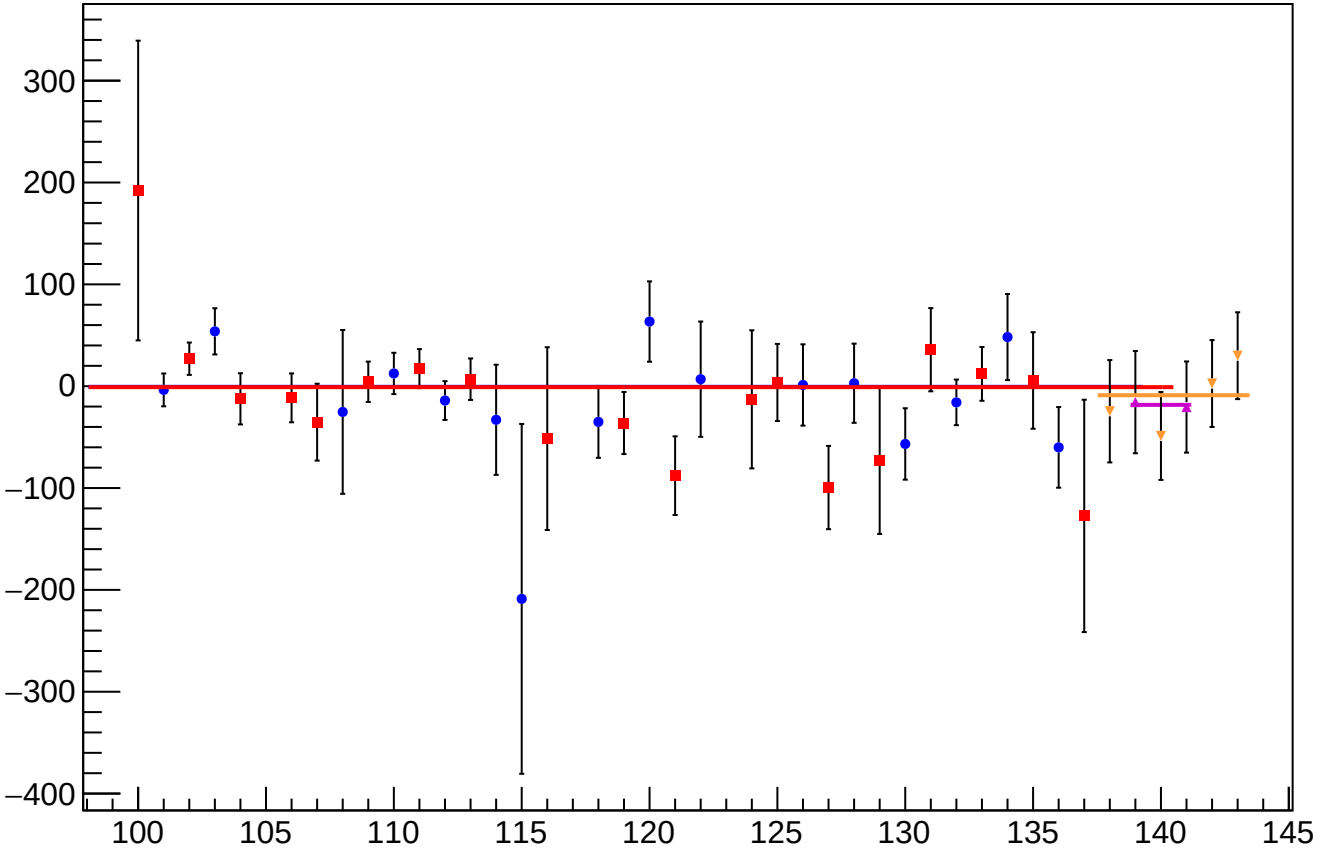
Left In: 209.175+/-0.113 χ^2/NDF:72.5/1

+ sign 202.405+/-0.047 χ^2/NDF: 1124735.1/19

All: 189.703+/-0.032 χ^2/NDF: 2981561.5/40

- sign 178.326+/-0.045 χ^2/NDF: 1718797.9/20

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -8.870+/-22.182 χ^2/NDF:1.9/3

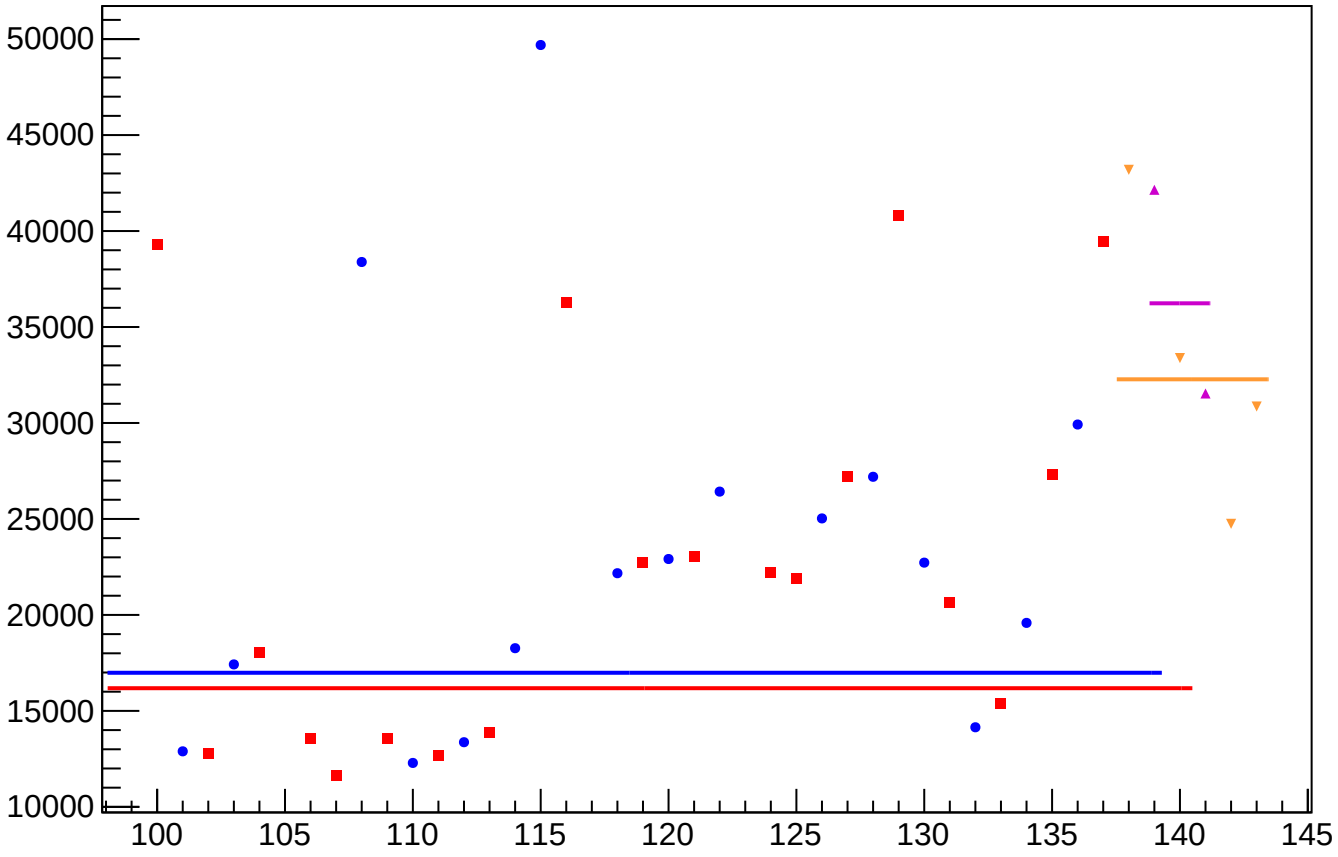
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -18.325+/-33.416 χ^2/NDF:0.0/1

+ sign -1.438+/-6.969 χ^2/NDF: 20.9/19

All: -1.535+/-4.804 χ^2/NDF: 44.2/40

- sign -1.622+/-6.632 χ^2/NDF: 23.3/20



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 32274.827+/-15.685 χ^2/NDF:160203.9/3

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

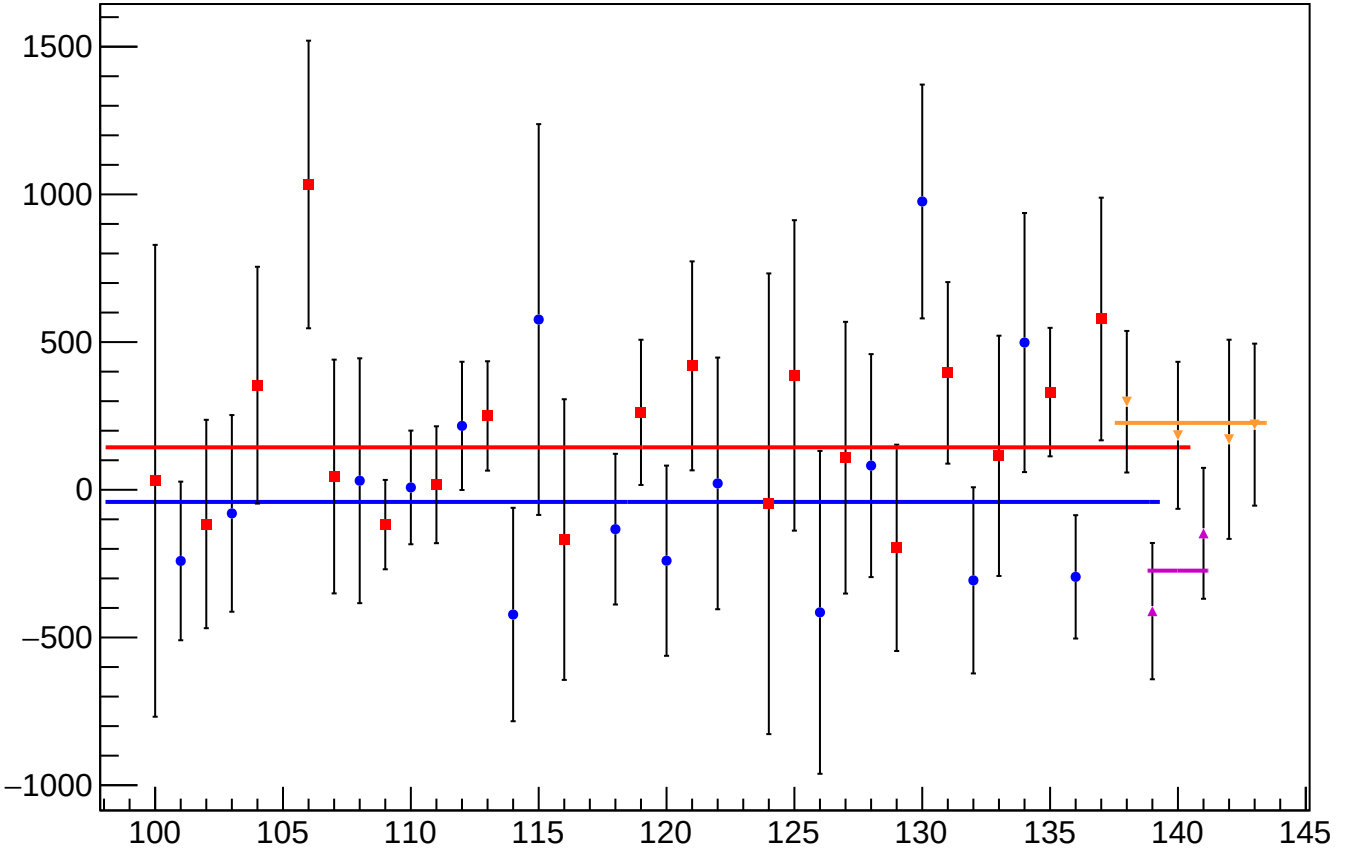
Left In: 36234.824+/-23.629 χ^2/NDF:49766.1/1

+ sign 18495.222+/-4.928 χ^2/NDF: 2210558.5/19

All: 17695.906+/-3.397 χ^2/NDF: 4253809.1/4

- sign 16971.869+/-4.690 χ^2/NDF: 1993103.0/20

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 226.509+/-134.037 χ^2/NDF:0.1/3

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

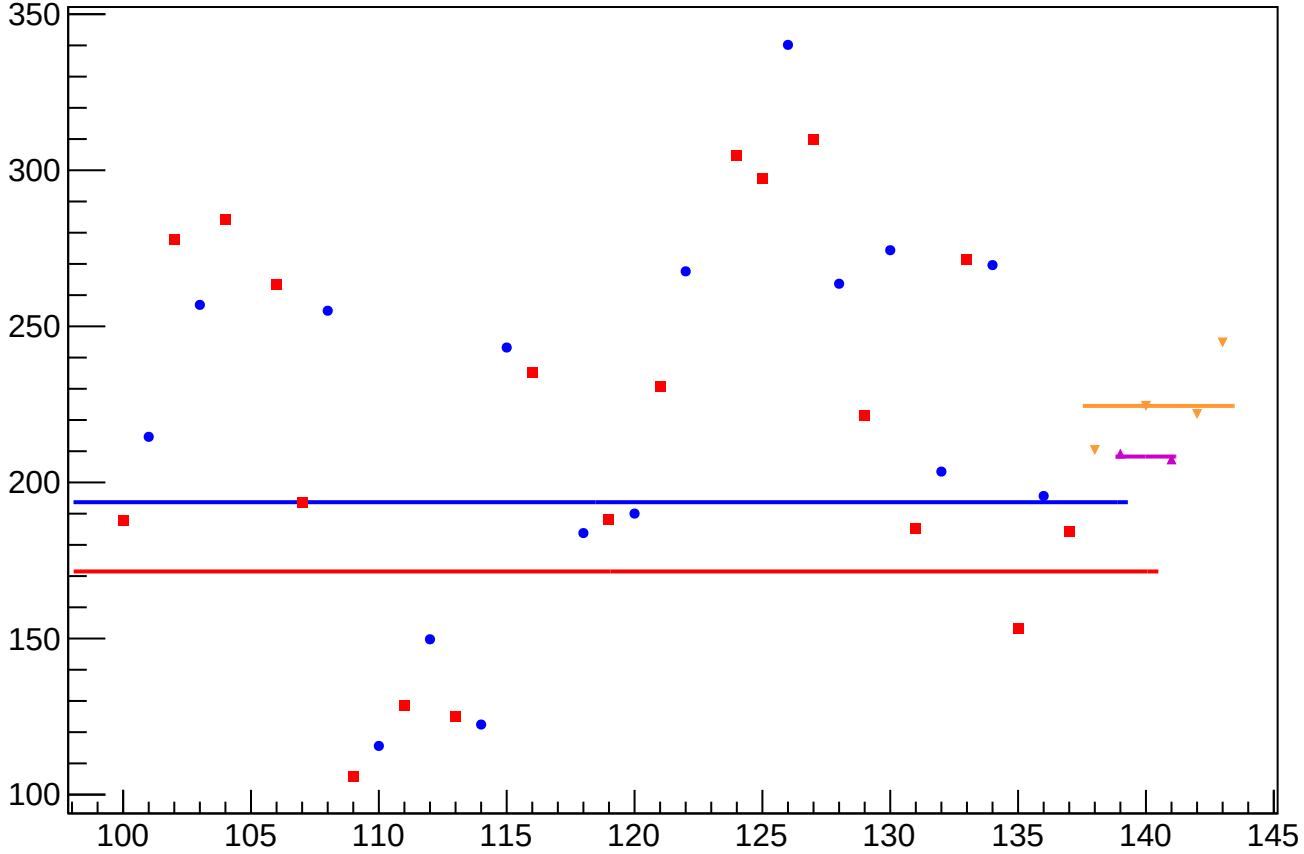
Left In: -273.699+/-159.807 χ^2/NDF:0.7/1

+ sign 24.247+/-66.215 χ^2/NDF: 18.6/19

All: 53.506+/-45.502 χ^2/NDF: 38.5/40

- sign 79.685+/-62.633 χ^2/NDF: 19.5/20

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 224.518+/-0.095 χ^2/NDF:18053.9/3

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

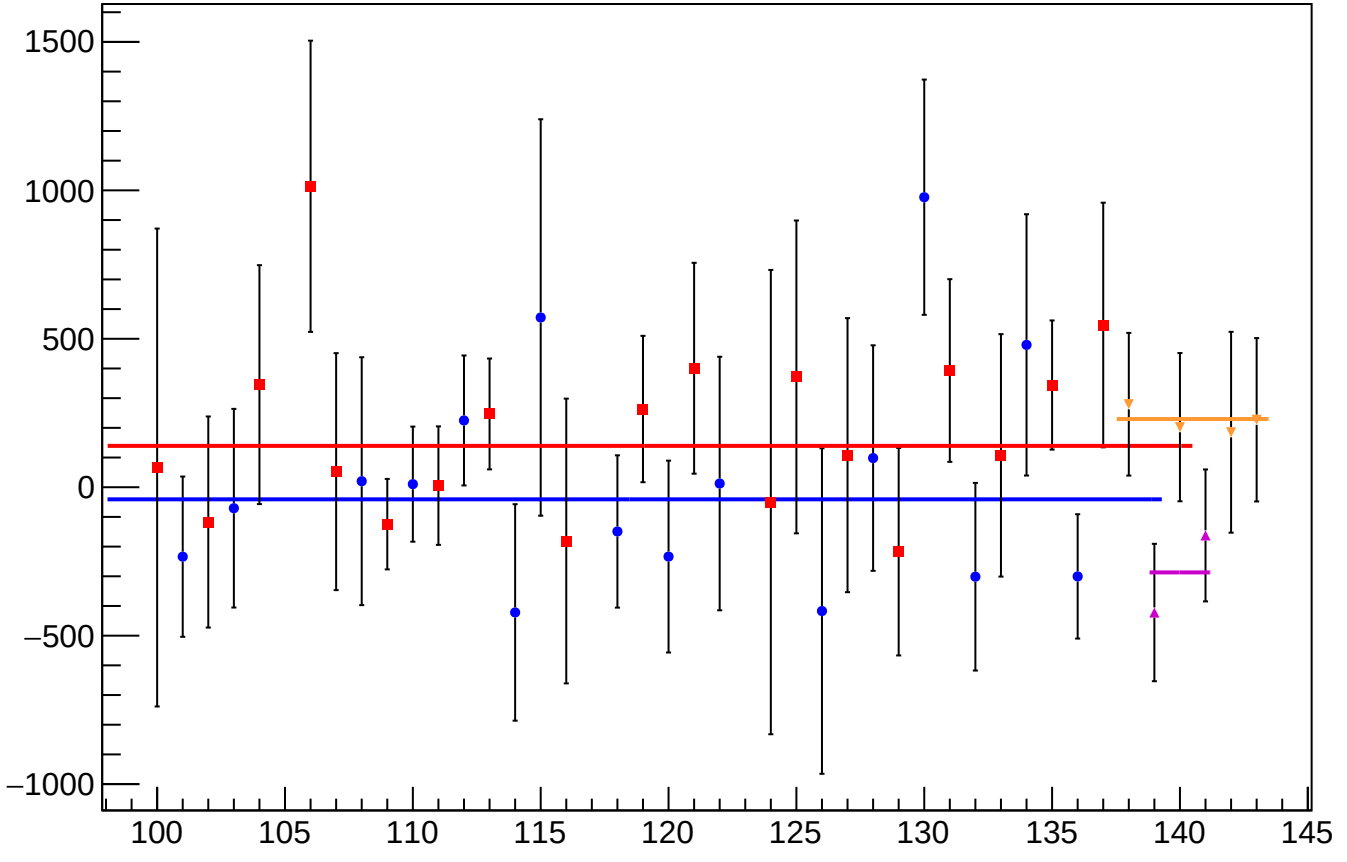
Left In: 208.296+/-0.113 χ^2/NDF:66.8/1

+ sign 201.198+/-0.047 χ^2/NDF: 1147904.2/19

All: 188.500+/-0.032 χ^2/NDF: 3030148.7/40

- sign 177.138+/-0.044 χ^2/NDF: 1742879.3/20

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 229.721+/-134.471 χ^2/NDF:0.1/3

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

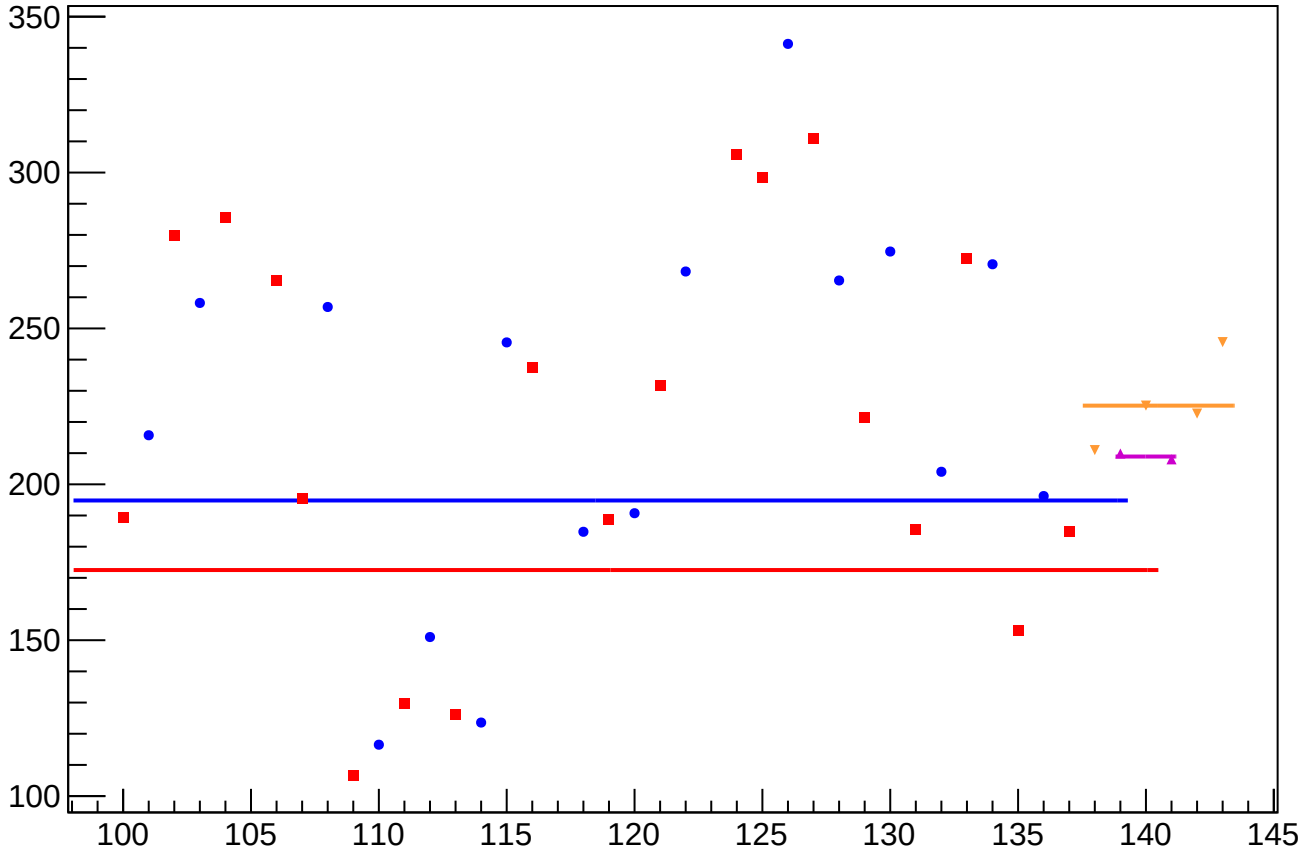
Left In: -286.975+/-160.284 χ^2/NDF:0.7/1

+ sign 25.450+/-66.545 χ^2/NDF: 18.5/19

All: 50.820+/-45.733 χ^2/NDF: 38.3/40

- sign 73.527+/-62.957 χ^2/NDF: 19.5/20

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 225.240+/-0.095 χ^2/NDF:18124.9/3

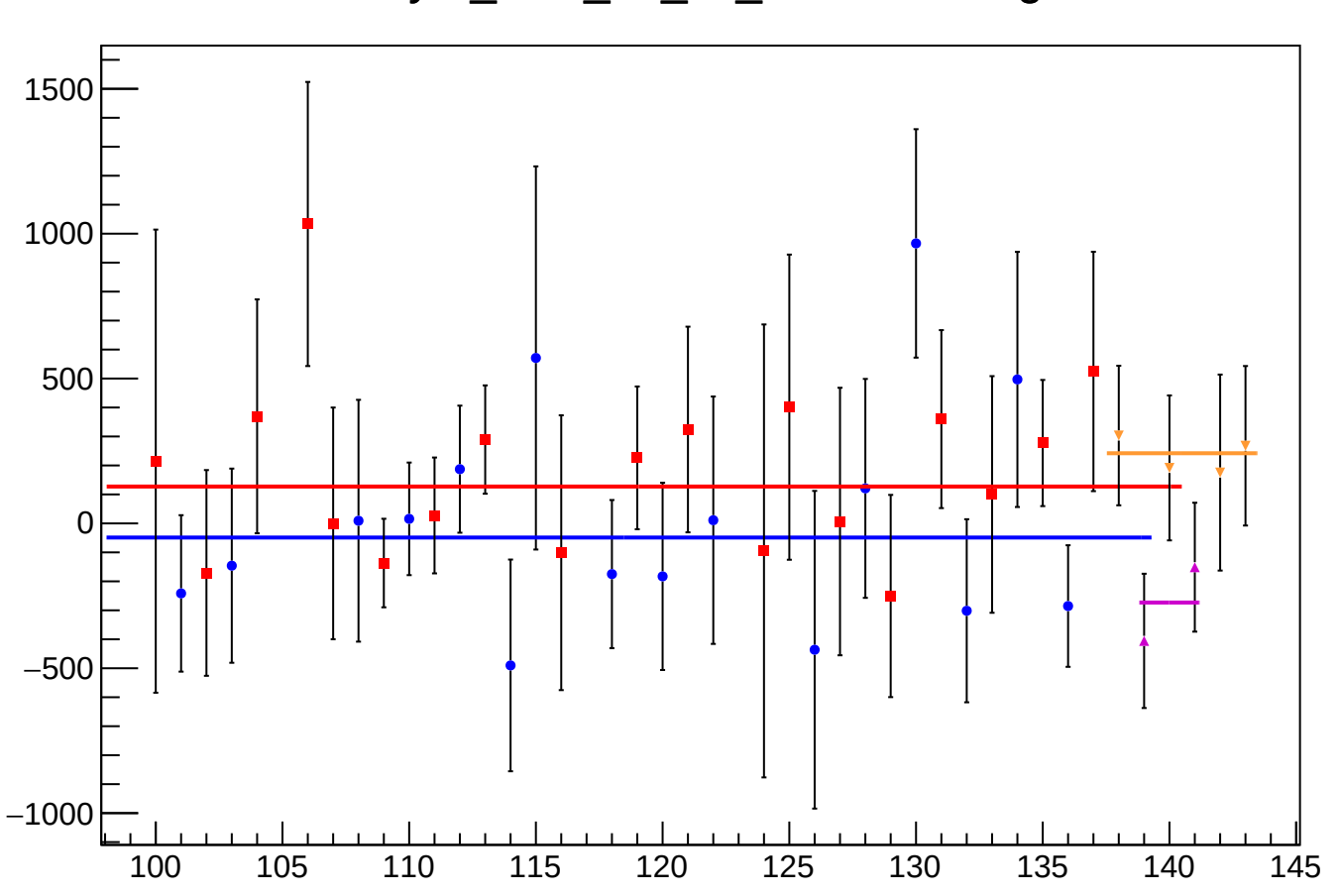
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 208.915+/-0.113 χ^2/NDF:67.7/1

+ sign 202.269+/-0.047 χ^2/NDF: 1134509.9/19

All: 189.528+/-0.032 χ^2/NDF: 3002853.0/40

- sign 178.124+/-0.045 χ^2/NDF: 1729398.8/20



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 242.177+/-134.637 χ^2/NDF:0.2/3

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

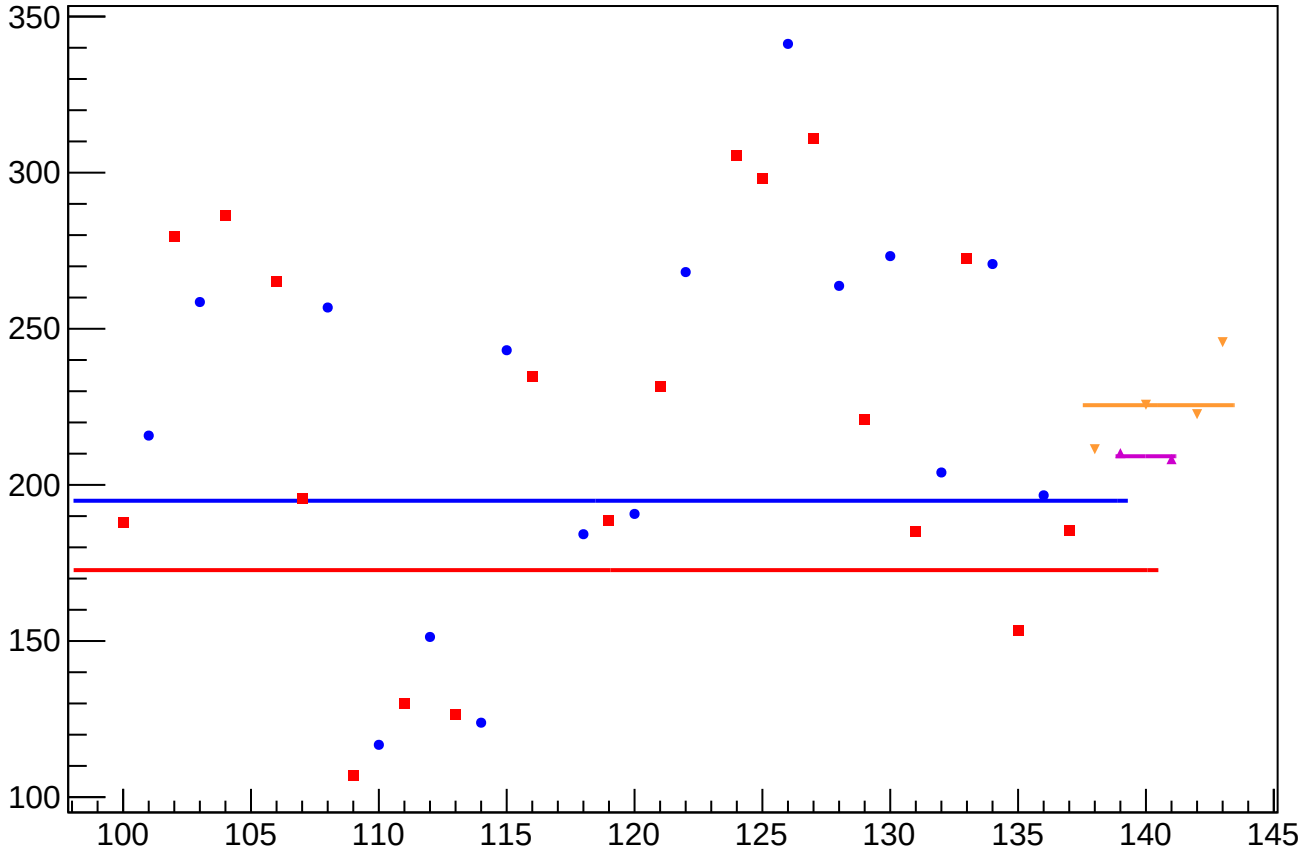
Left In: -273.127+/-160.479 χ^2/NDF:0.6/1

+ sign 22.381+/-66.573 χ^2/NDF: 19.1/19

All: 45.145+/-45.761 χ^2/NDF: 38.1/40

- sign 65.534+/-63.005 χ^2/NDF: 18.7/20

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 225.527+/-0.095 χ^2/NDF:17758.4/3

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

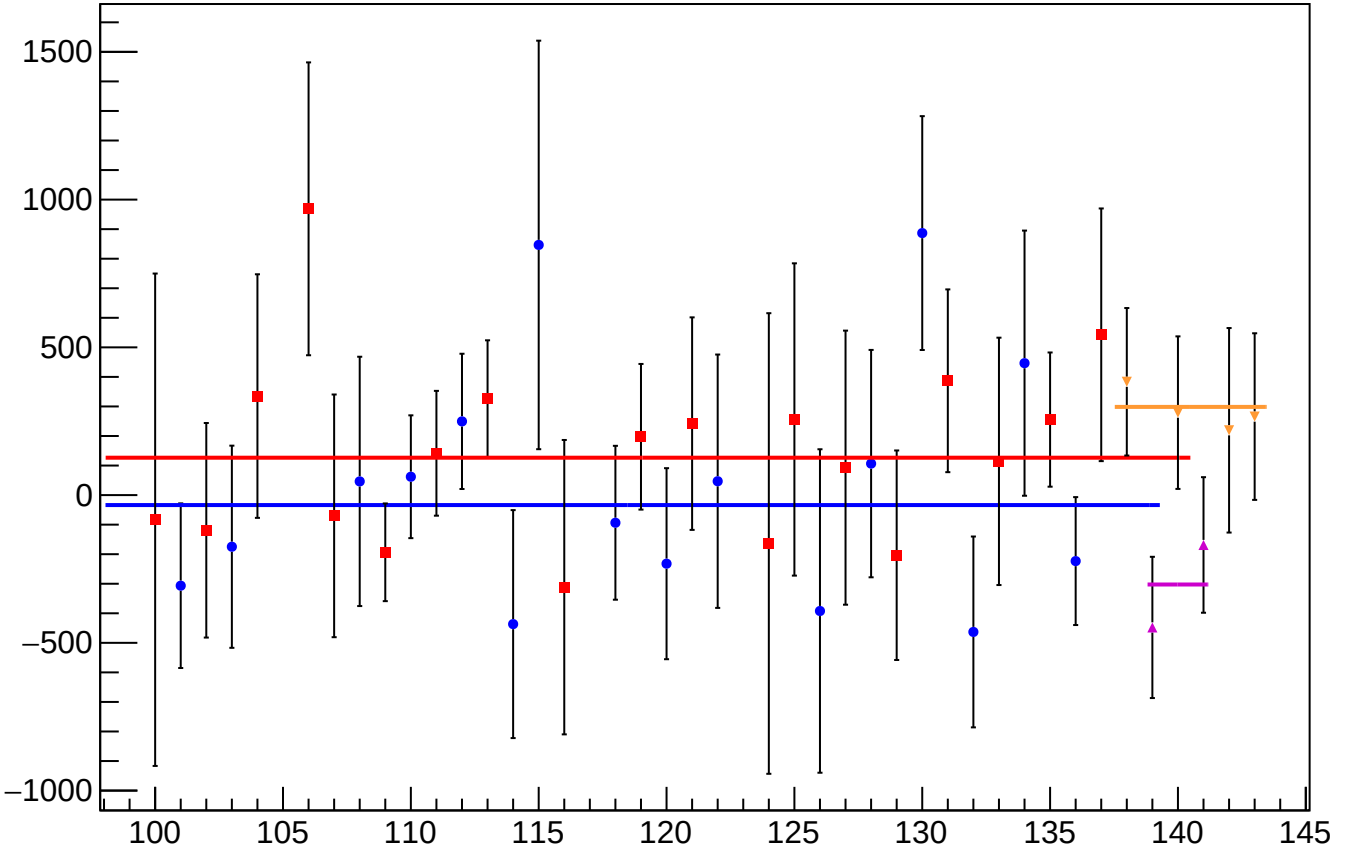
Left In: 209.175+/-0.113 χ^2/NDF:72.5/1

\+ sign 202.405+/-0.047 χ^2/NDF: 1124735.1/19

All: 189.703+/-0.032 χ^2/NDF: 2981561.5/40

\- sign 178.326+/-0.045 χ^2/NDF: 1718797.9/20

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 298.484+/-138.681 χ^2/NDF:0.2/3

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

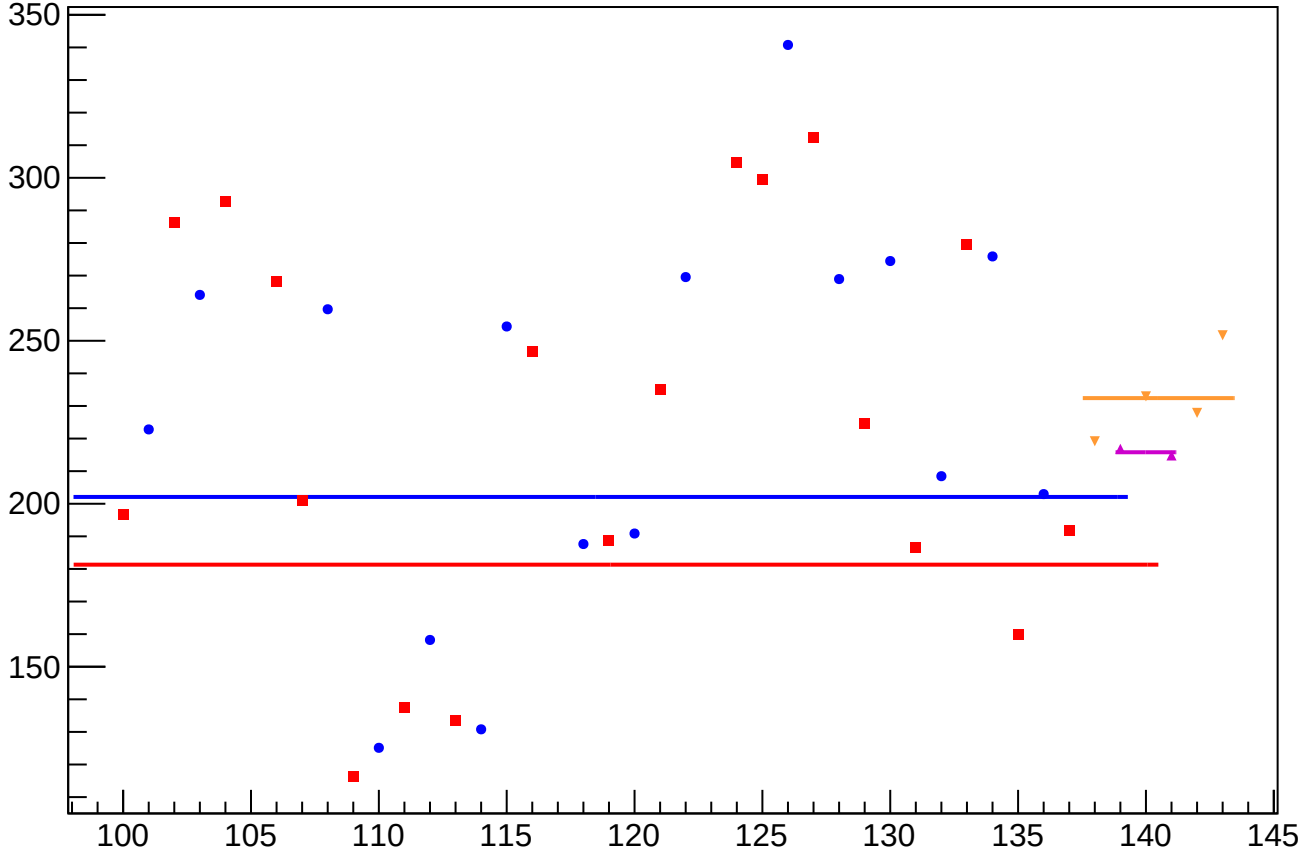
Left In: -302.571+/-165.501 χ^2/NDF:0.7/1

+ sign 47.655+/-68.641 χ^2/NDF: 20.3/19

All: 53.788+/-47.383 χ^2/NDF: 39.3/40

- sign 59.370+/-65.489 χ^2/NDF: 19.1/20

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 232.413+/-0.098 χ^2/NDF:15338.1/3

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

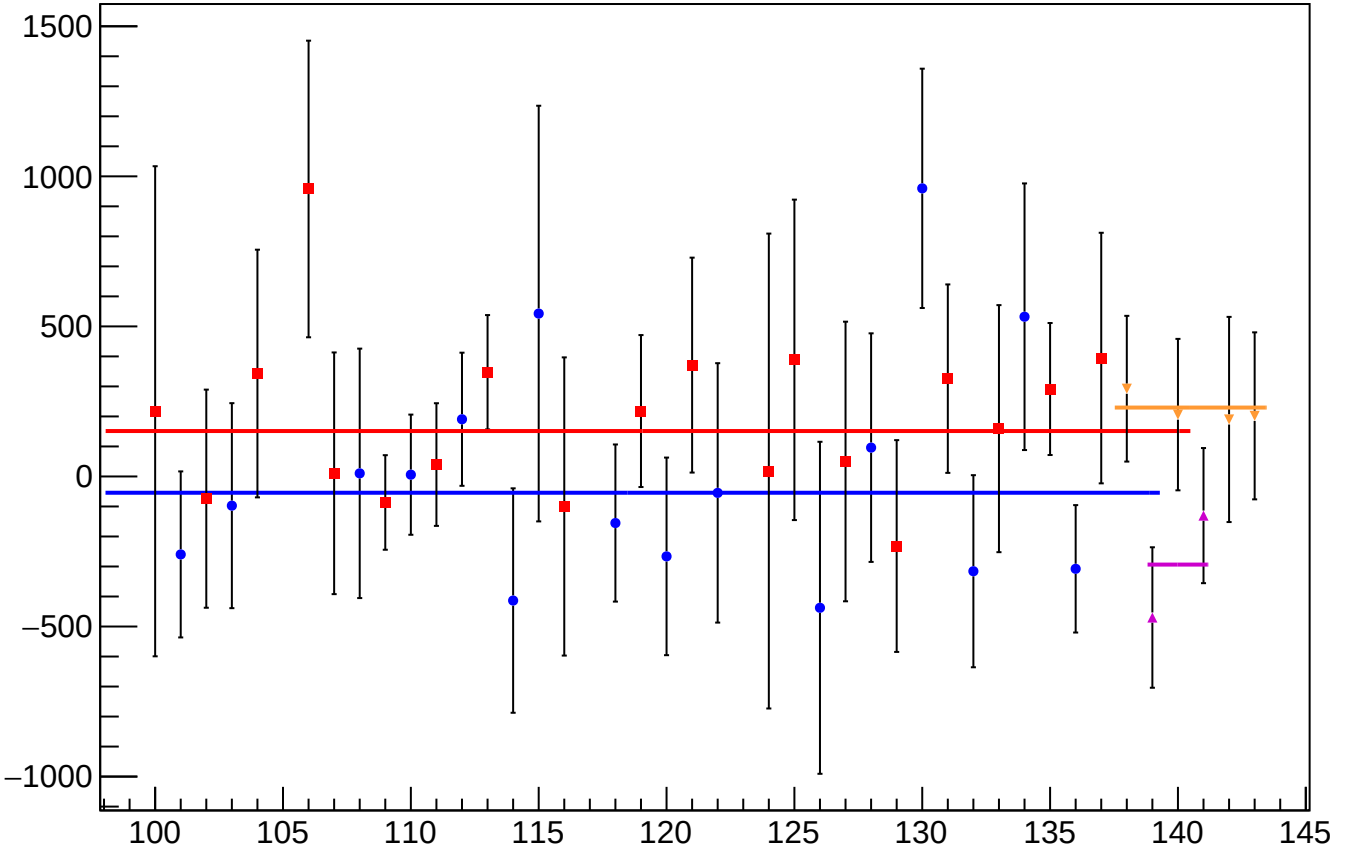
Left In: 215.800+/-0.117 χ^2/NDF:76.5/1

+ sign 209.519+/-0.049 χ^2/NDF: 997789.6/19

All: 197.580+/-0.034 χ^2/NDF: 2627684.6/40

- sign 186.712+/-0.046 χ^2/NDF: 1514315.6/20

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 229.572+/-135.897 χ^2/NDF:0.1/3

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

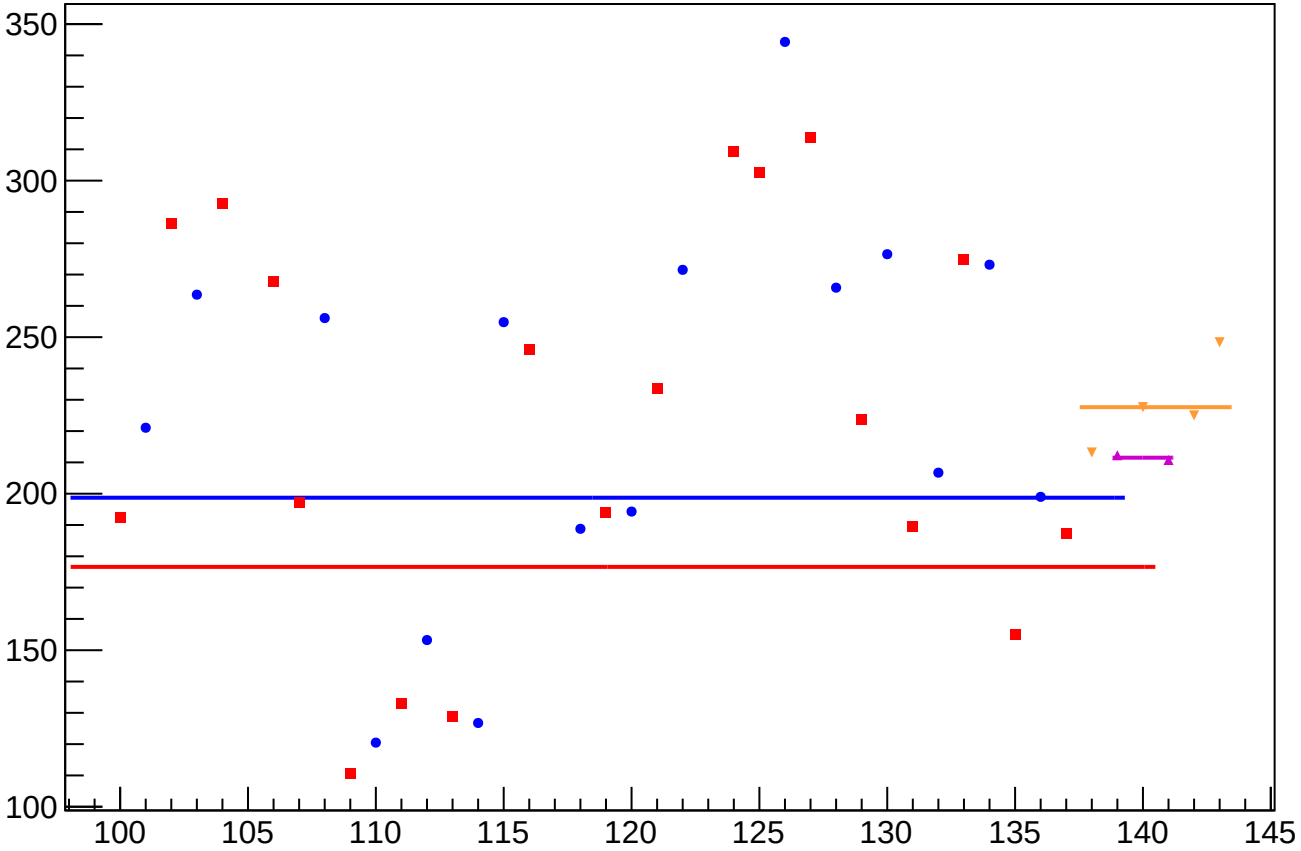
Left In: -293.625+/-162.243 χ^2/NDF:1.1/1

+ sign 16.005+/-67.614 χ^2/NDF: 18.5/19

All: 50.549+/-46.555 χ^2/NDF: 36.6/40

- sign 81.689+/-64.197 χ^2/NDF: 17.7/20

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 227.637+/-0.096 χ^2/NDF:18333.2/3

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

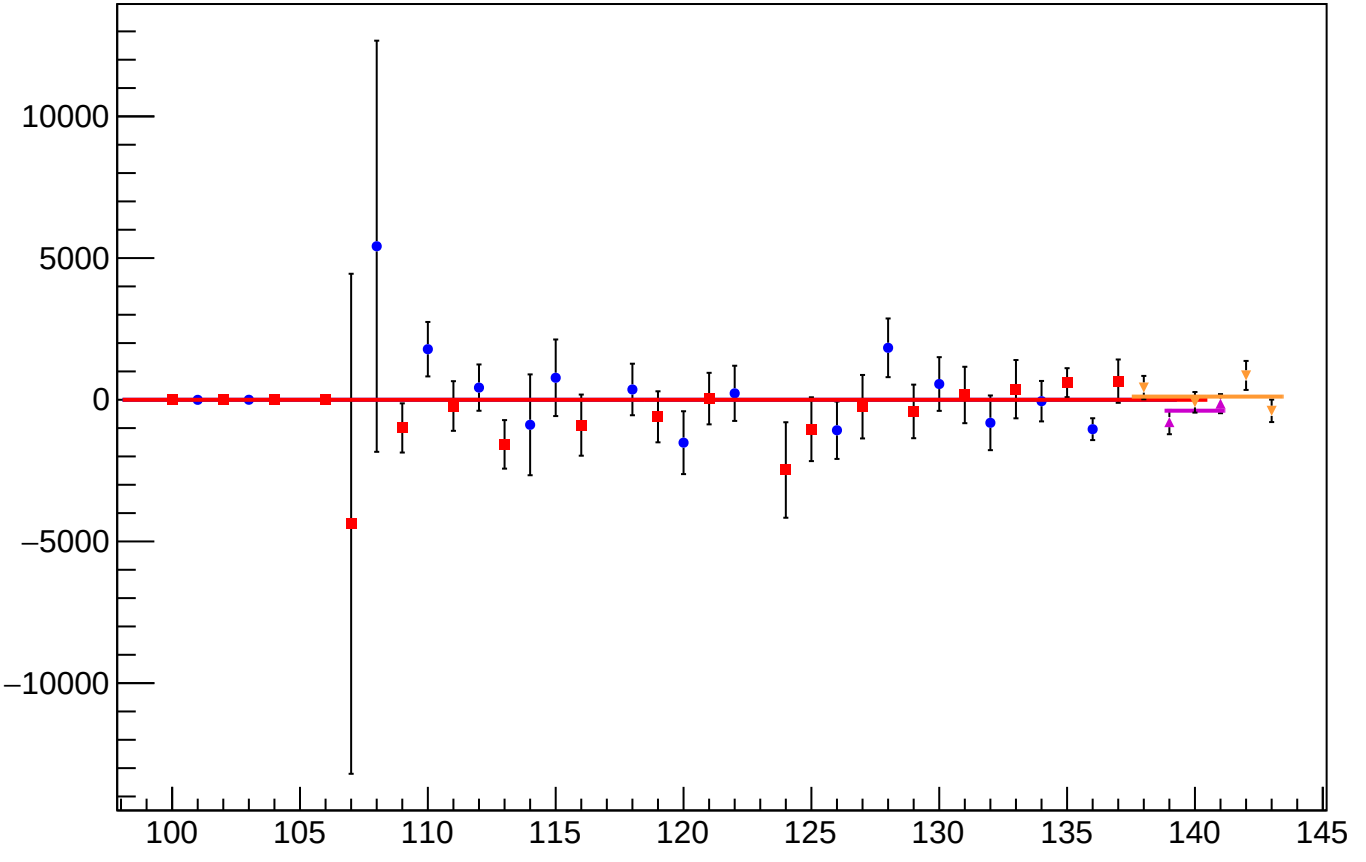
Left In: 211.500+/-0.115 χ^2/NDF:44.0/1

+ sign 205.877+/-0.048 χ^2/NDF: 1080547.1/19

All: 193.363+/-0.033 χ^2/NDF: 2884525.0/40

- sign 182.082+/-0.045 χ^2/NDF: 1673711.8/20

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 111.608+/-205.668 χ^2/NDF:4.6/3

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

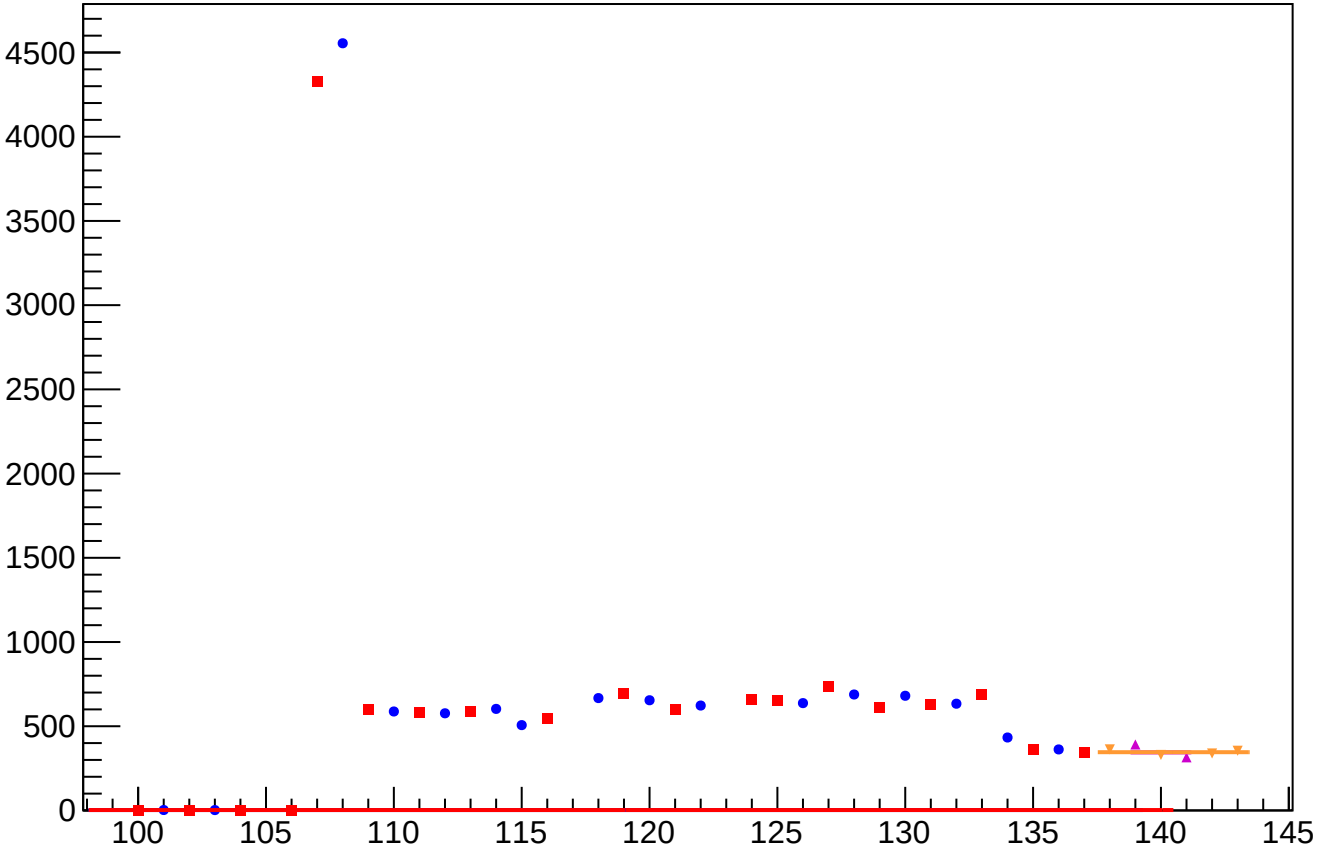
Left In: -386.088+/-264.439 χ^2/NDF:1.4/1

+ sign -1.226+/-2.171 χ^2/NDF: 24.8/19

All: -1.319+/-1.480 χ^2/NDF: 45.2/40

- sign -1.400+/-2.022 χ^2/NDF: 20.4/20

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 345.912+/-0.145 χ^2/NDF:8751.6/3

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

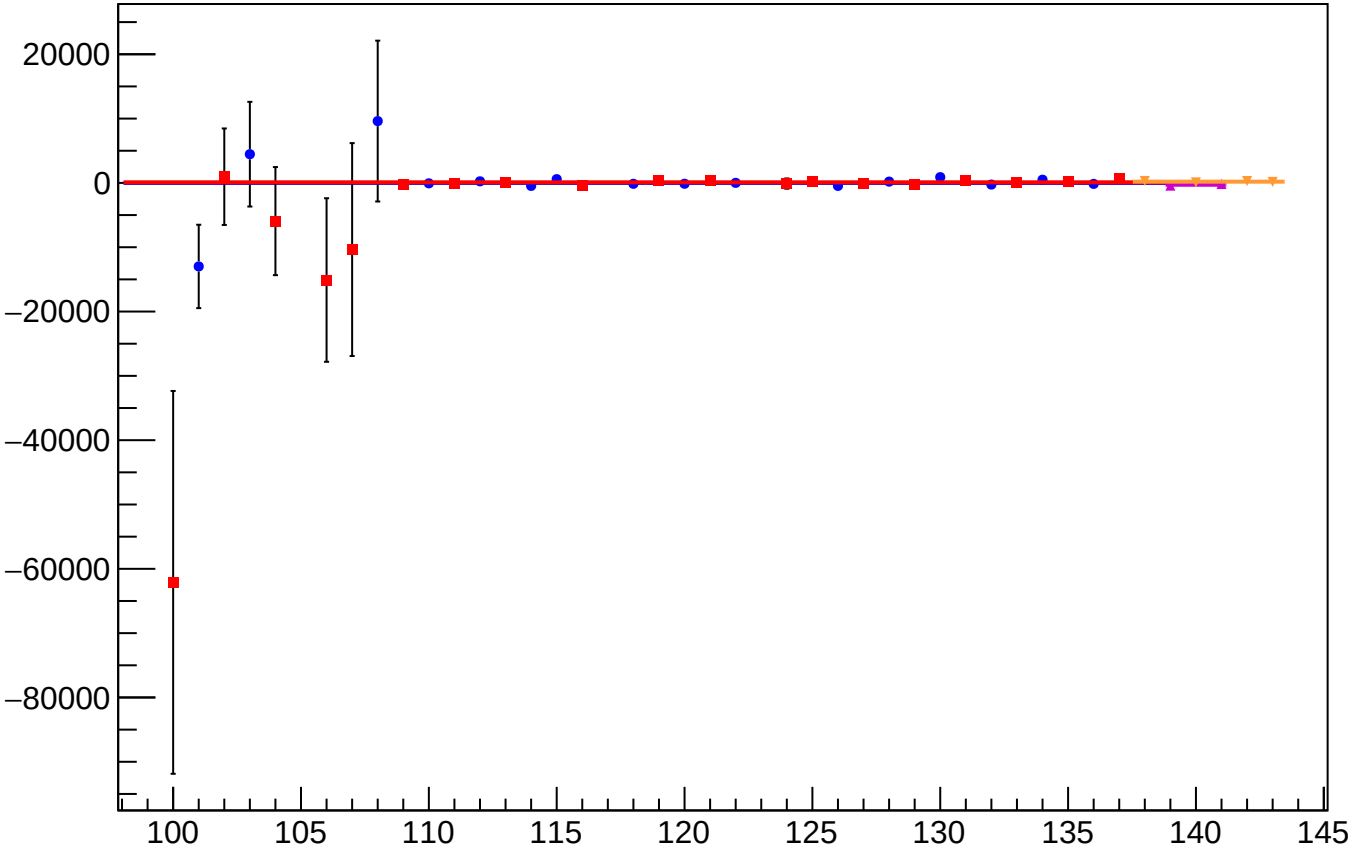
Left In: 344.630+/-0.187 χ^2/NDF:39245.7/1

+ sign 2.515+/-0.002 χ^2/NDF: 17211126.8/19

All: 2.497+/-0.001 χ^2/NDF: 32144424.9/40

- sign 2.482+/-0.001 χ^2/NDF: 14933054.0/20

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 193.177+/-140.419 χ^2/NDF:0.5/3

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

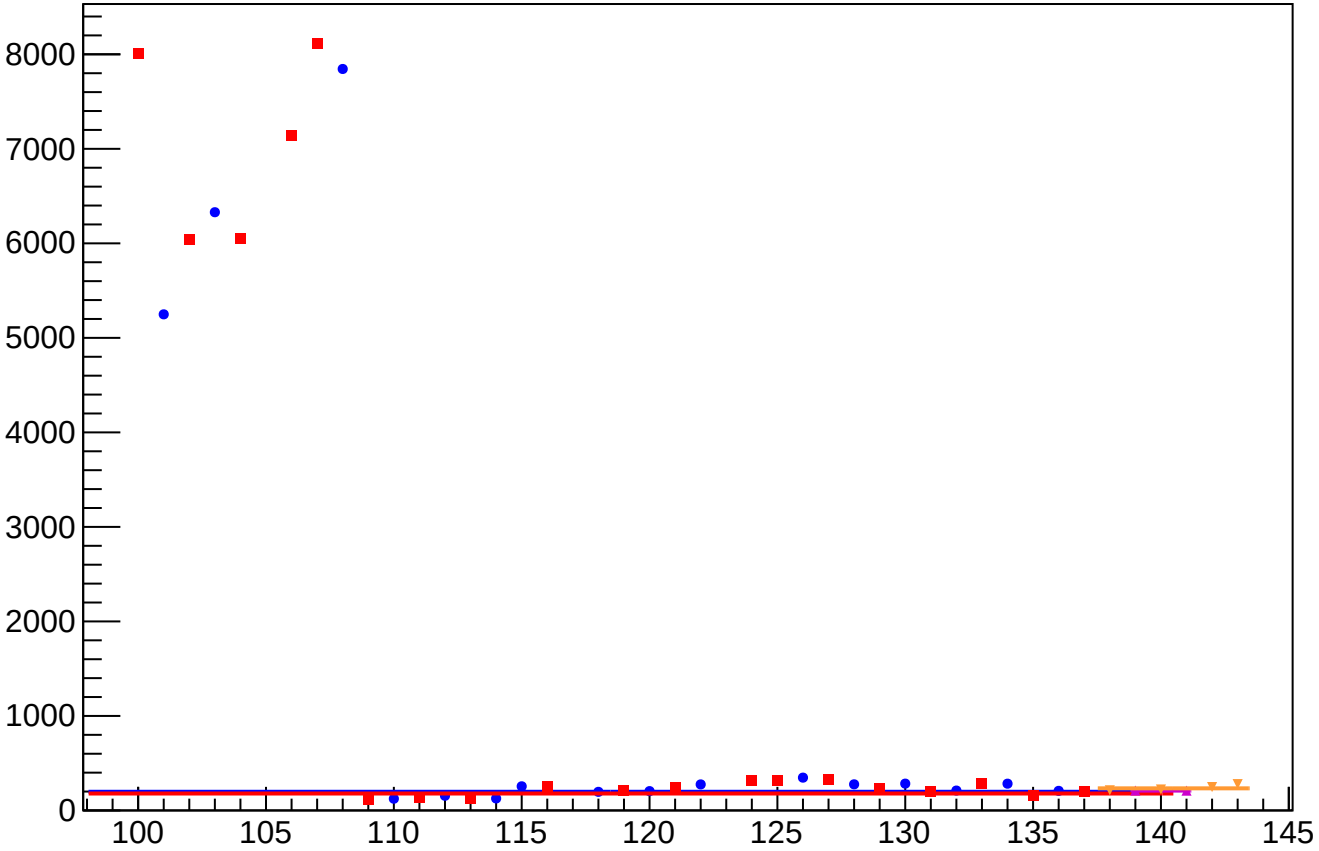
Left In: -287.774+/-161.539 χ^2/NDF:0.6/1

+ sign 54.731+/-74.459 χ^2/NDF: 18.7/19

All: 32.727+/-52.068 χ^2/NDF: 38.6/40

- sign 11.671+/-72.838 χ^2/NDF: 19.8/20

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 233.964+/-0.099 χ^2/NDF:62758.9/3

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

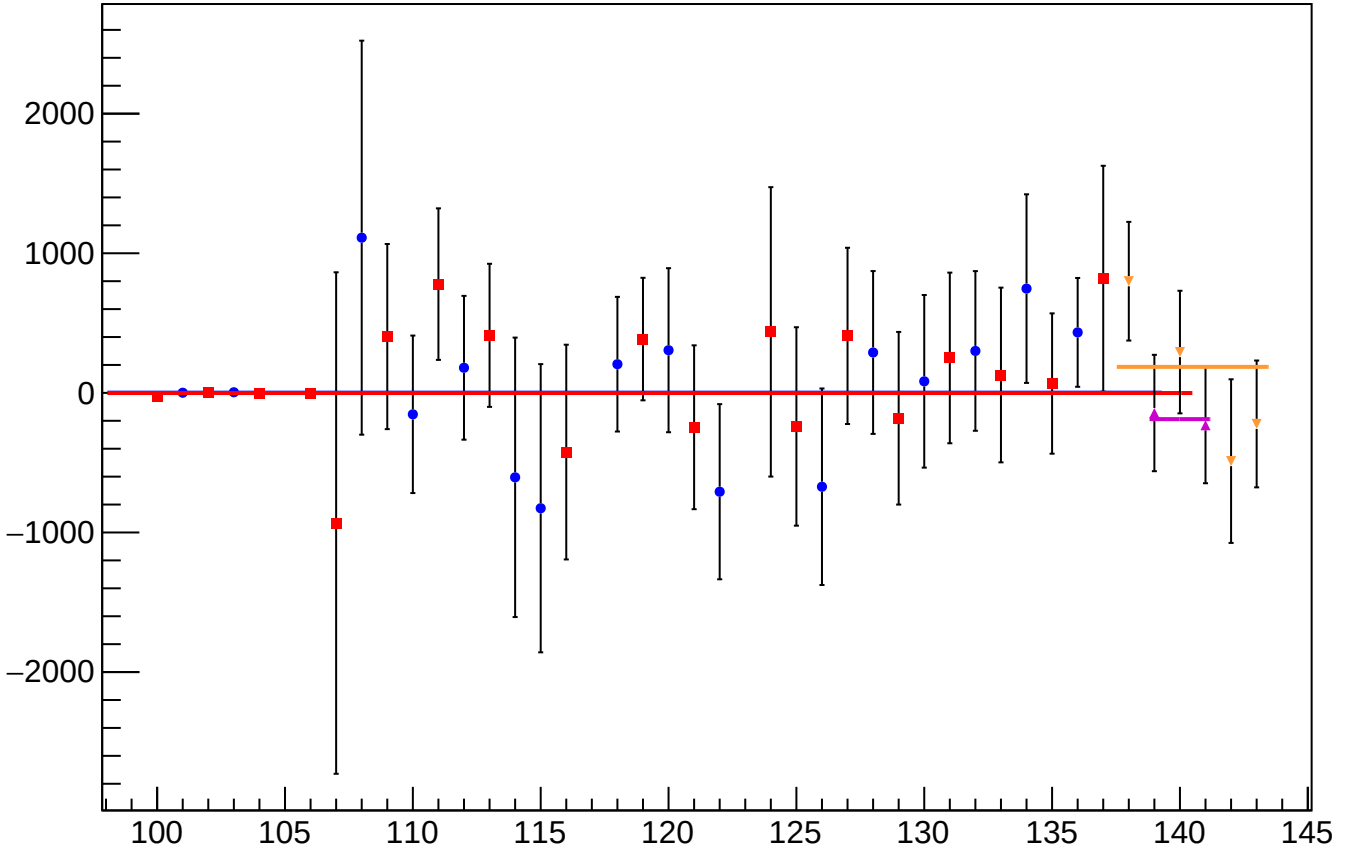
Left In: 210.104+/-0.114 χ^2/NDF:19.8/1

+ sign 207.839+/-0.053 χ^2/NDF: 4116261.4/19

All: 196.435+/-0.037 χ^2/NDF: 8684635.3/40

- sign 185.523+/-0.052 χ^2/NDF: 4476571.4/20

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 186.259+/-232.628 χ^2/NDF:4.3/3

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

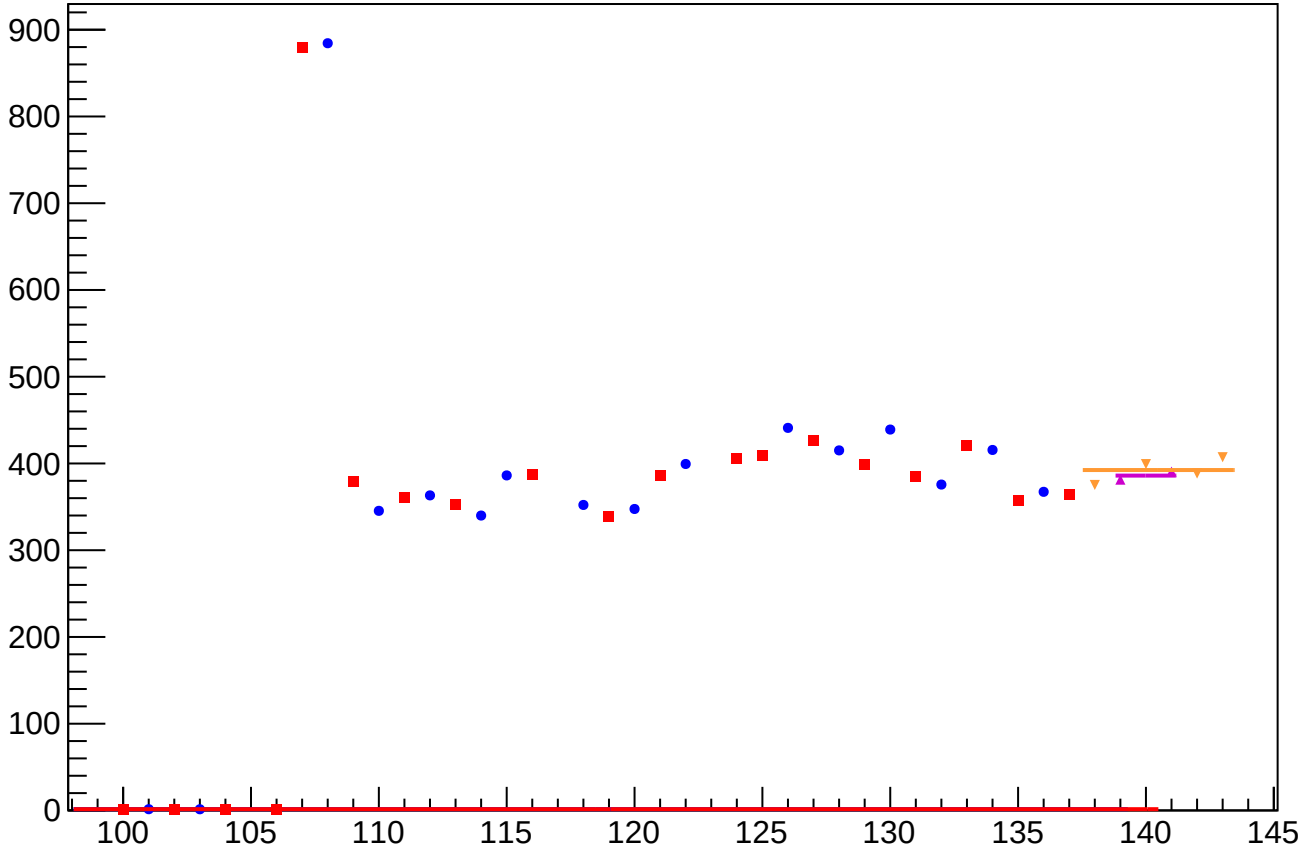
Left In: -188.116+/-294.329 χ^2/NDF:0.0/1

+ sign 1.465+/-1.660 χ^2/NDF: 12.8/19

All: 0.077+/-1.124 χ^2/NDF: 23.7/40

- sign -1.099+/-1.528 χ^2/NDF: 9.6/20

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 392.423+/-0.164 χ^2/NDF:5967.6/3

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

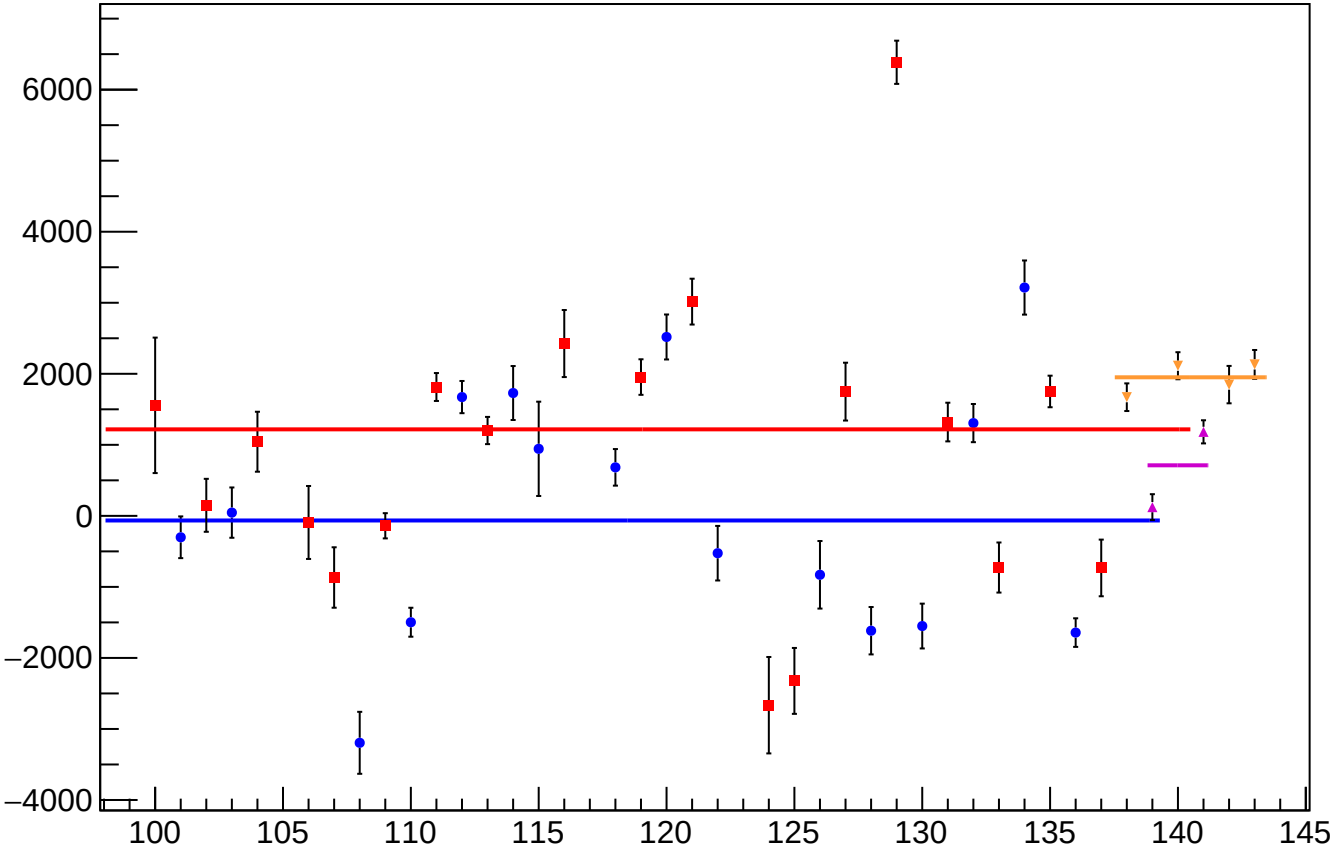
Left In: 386.012+/-0.208 χ^2/NDF:497.5/1

+ sign 1.490+/-0.001 χ^2/NDF: 17389785.2/19

All: 1.483+/-0.001 χ^2/NDF: 32074650.2/40

- sign 1.477+/-0.001 χ^2/NDF: 14684803.0/20

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1950.590+/-103.897 χ^2/NDF:3.8/3

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

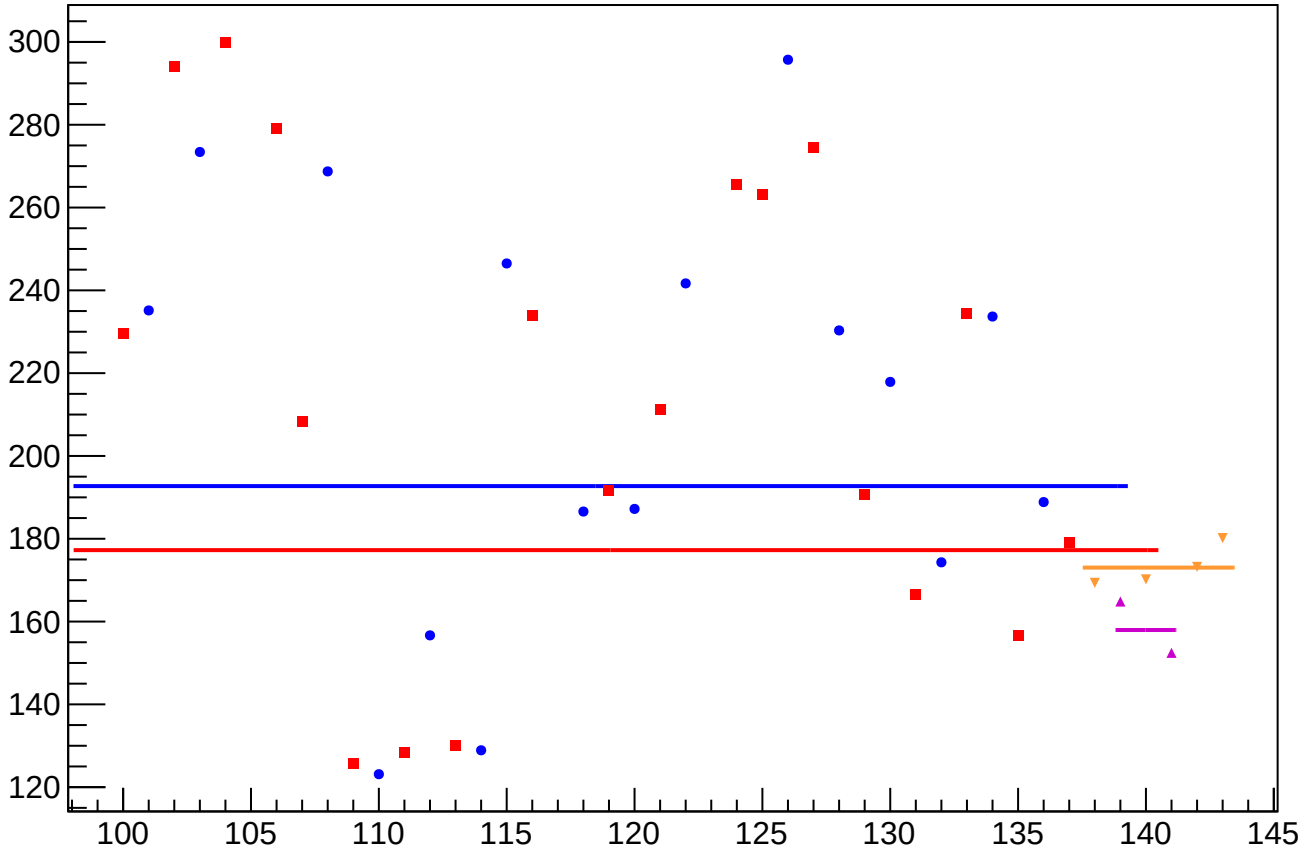
Left In: 711.679+/-121.339 χ^2/NDF:18.8/1

+ sign 624.227+/-60.755 χ^2/NDF: 720.9/19

All: 862.124+/-42.689 χ^2/NDF: 1377.7/40

- sign 1094.103+/-59.995 χ^2/NDF: 626.6/20

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 173.033+/-0.073 χ^2/NDF:3628.8/3

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

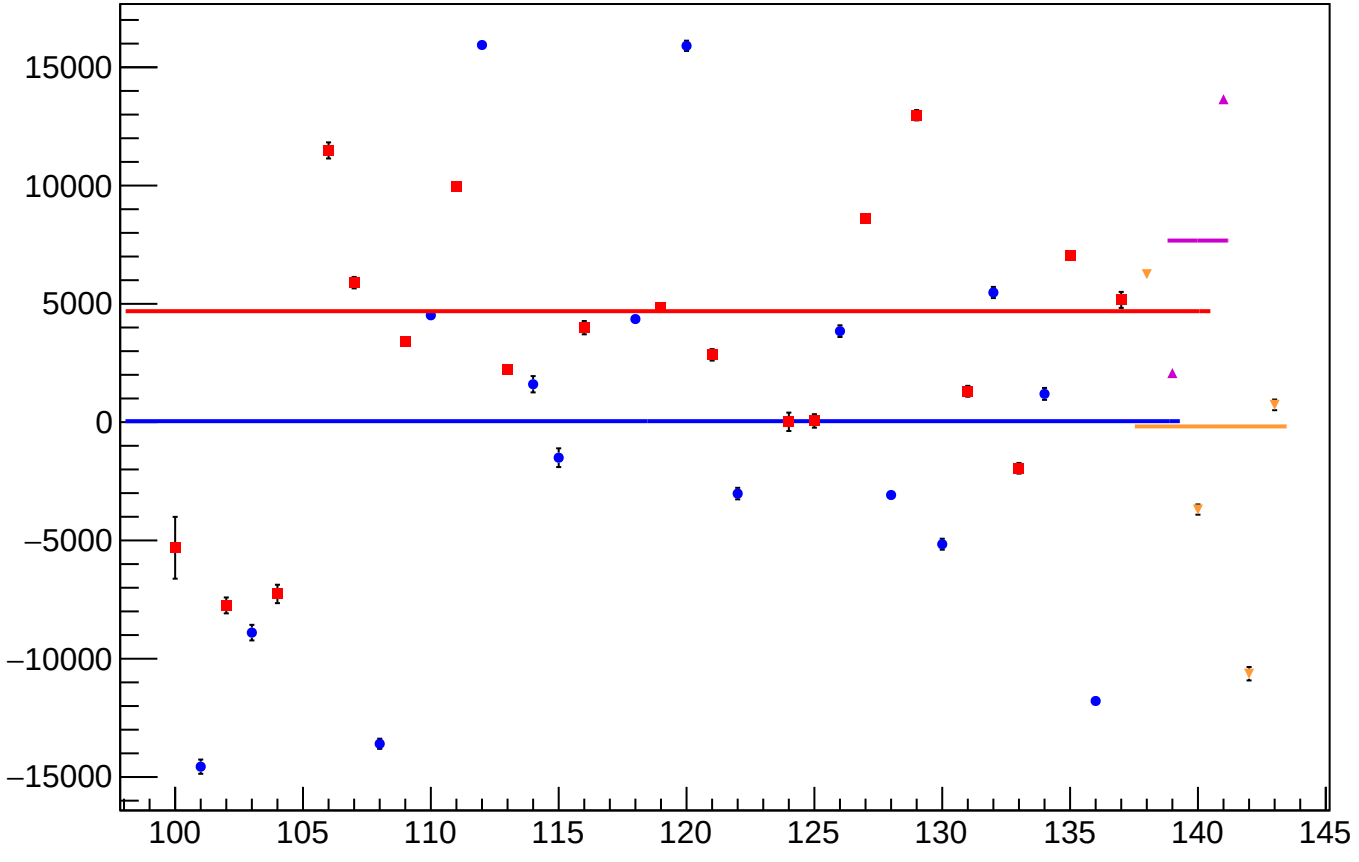
Left In: 157.960+/-0.086 χ^2/NDF:5155.3/1

+ sign 185.987+/-0.043 χ^2/NDF: 810027.0/19

All: 179.177+/-0.030 χ^2/NDF: 2129198.7/40

- sign 172.535+/-0.042 χ^2/NDF: 1269529.0/20

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -181.800+/-110.270 χ^2/NDF:2824.5/3

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

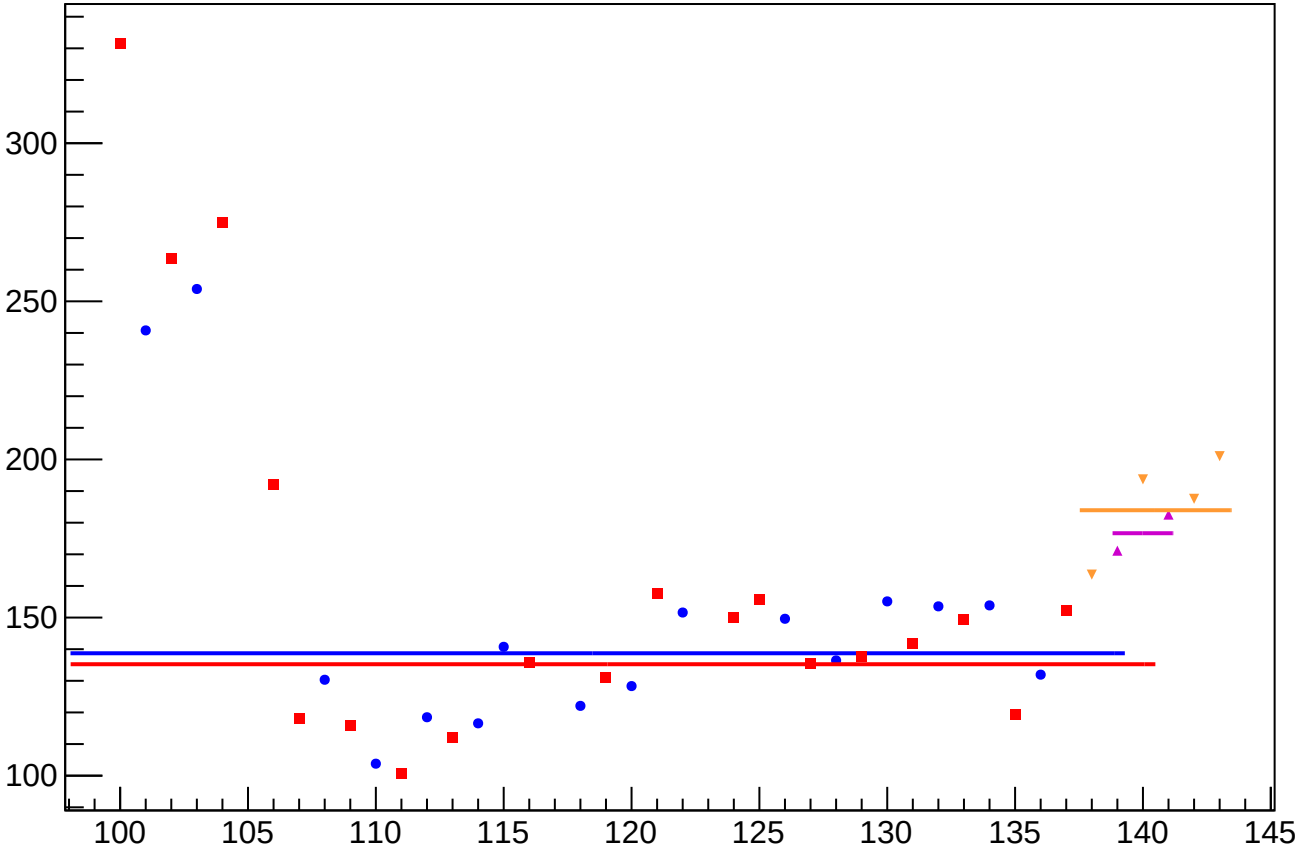
Left In: 7675.269+/-135.766 χ^2/NDF:1815.7/1

+ sign -2.420+/-48.641 χ^2/NDF: 33614.1/19

All: 2535.405+/-34.393 χ^2/NDF: 49090.9/40

- sign 5072.874+/-48.637 χ^2/NDF: 10032.9/20

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 183.941+/-0.078 χ^2/NDF:39822.2/3

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

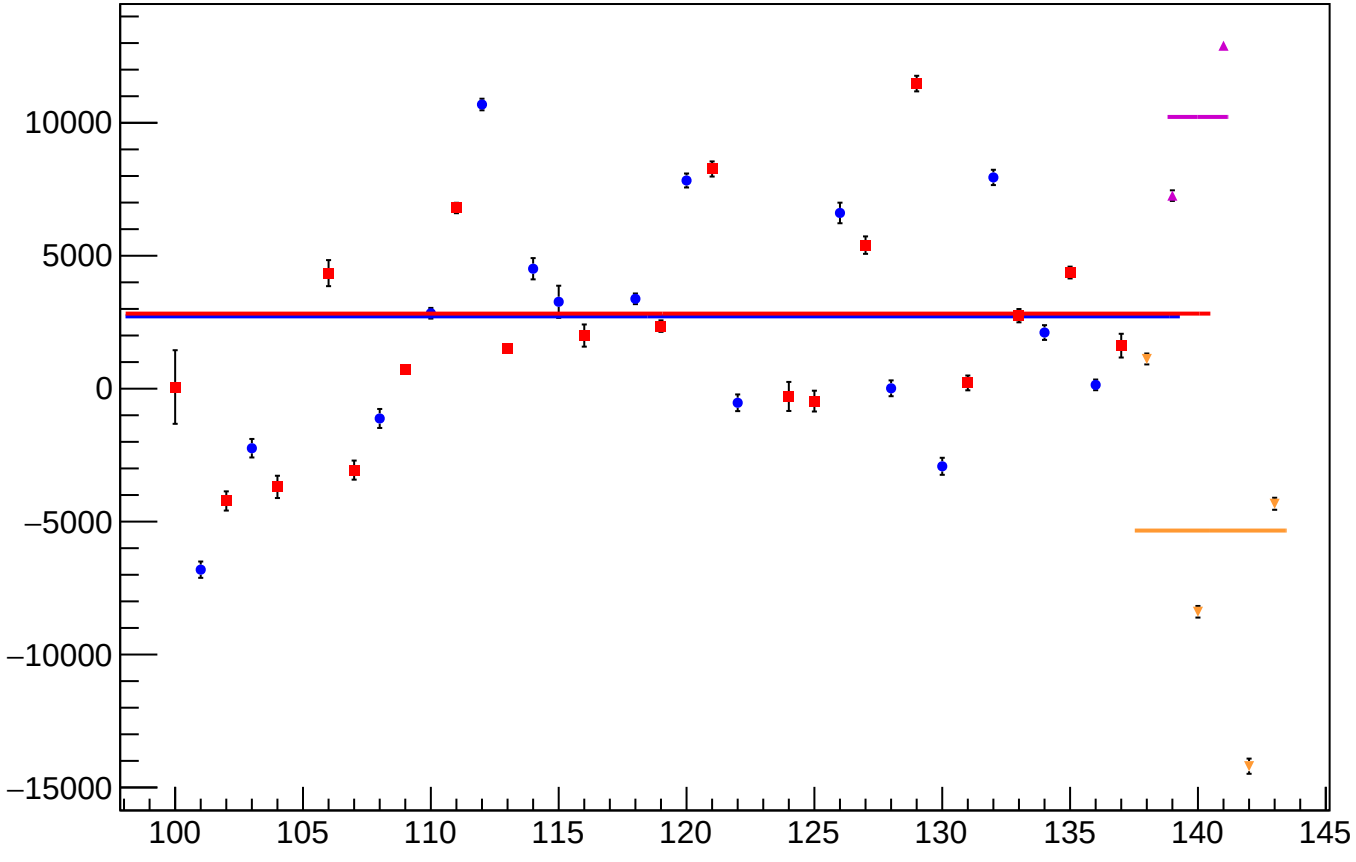
Left In: 176.672+/-0.096 χ^2/NDF:3527.2/1

+ sign 147.513+/-0.034 χ^2/NDF: 968623.5/19

All: 144.037+/-0.024 χ^2/NDF: 2044913.2/40

- sign 140.562+/-0.034 χ^2/NDF: 1055868.3/20

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5336.550+/-114.430 χ^2/NDF:2165.0/3

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

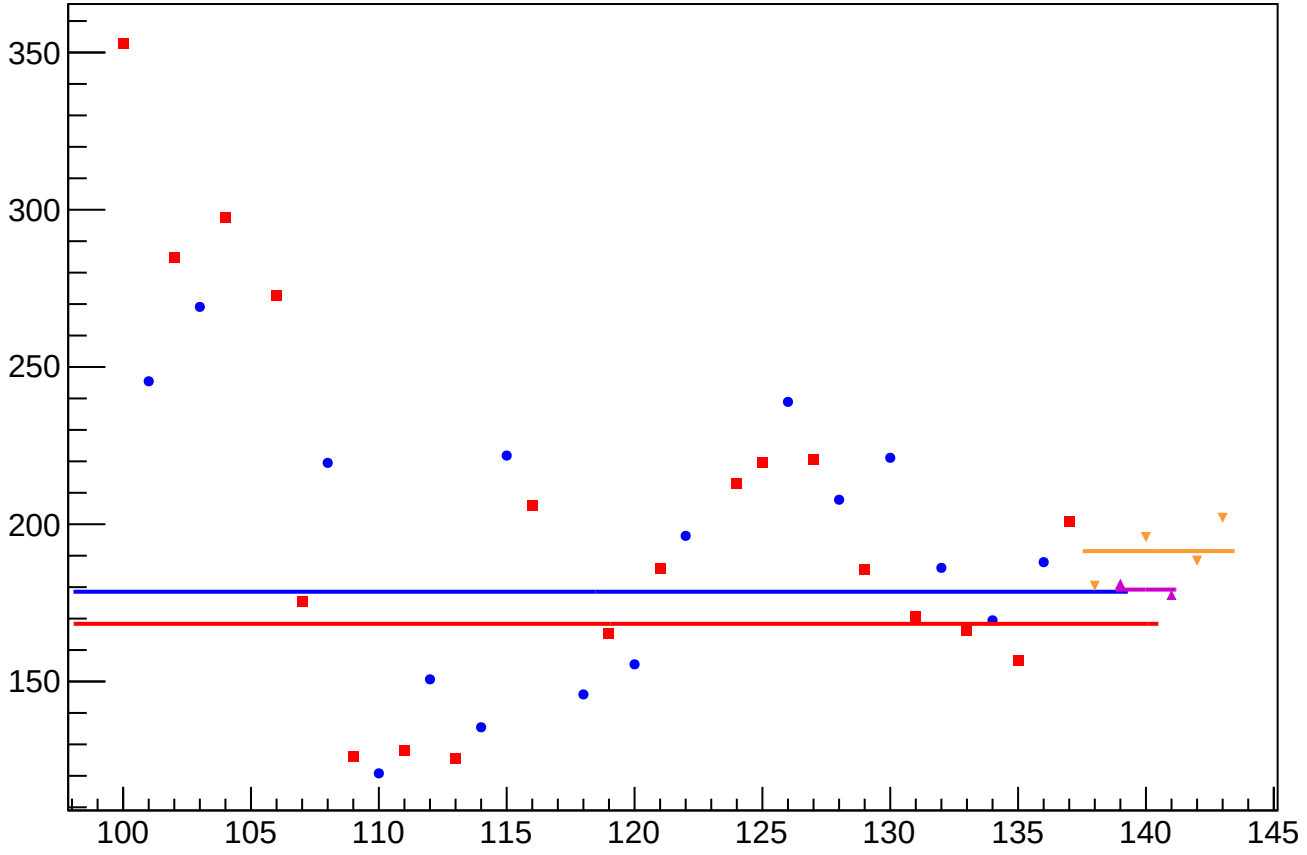
Left In: 10221.655+/-137.394 χ^2/NDF:420.1/1

+ sign 560.426+/-59.244 χ^2/NDF: 9922.5/19

All: 2384.313+/-41.679 χ^2/NDF: 17652.9/40

- sign 4171.552+/-58.646 χ^2/NDF: 5853.9/20

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 191.455+/-0.081 χ^2/NDF:11182.8/3

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

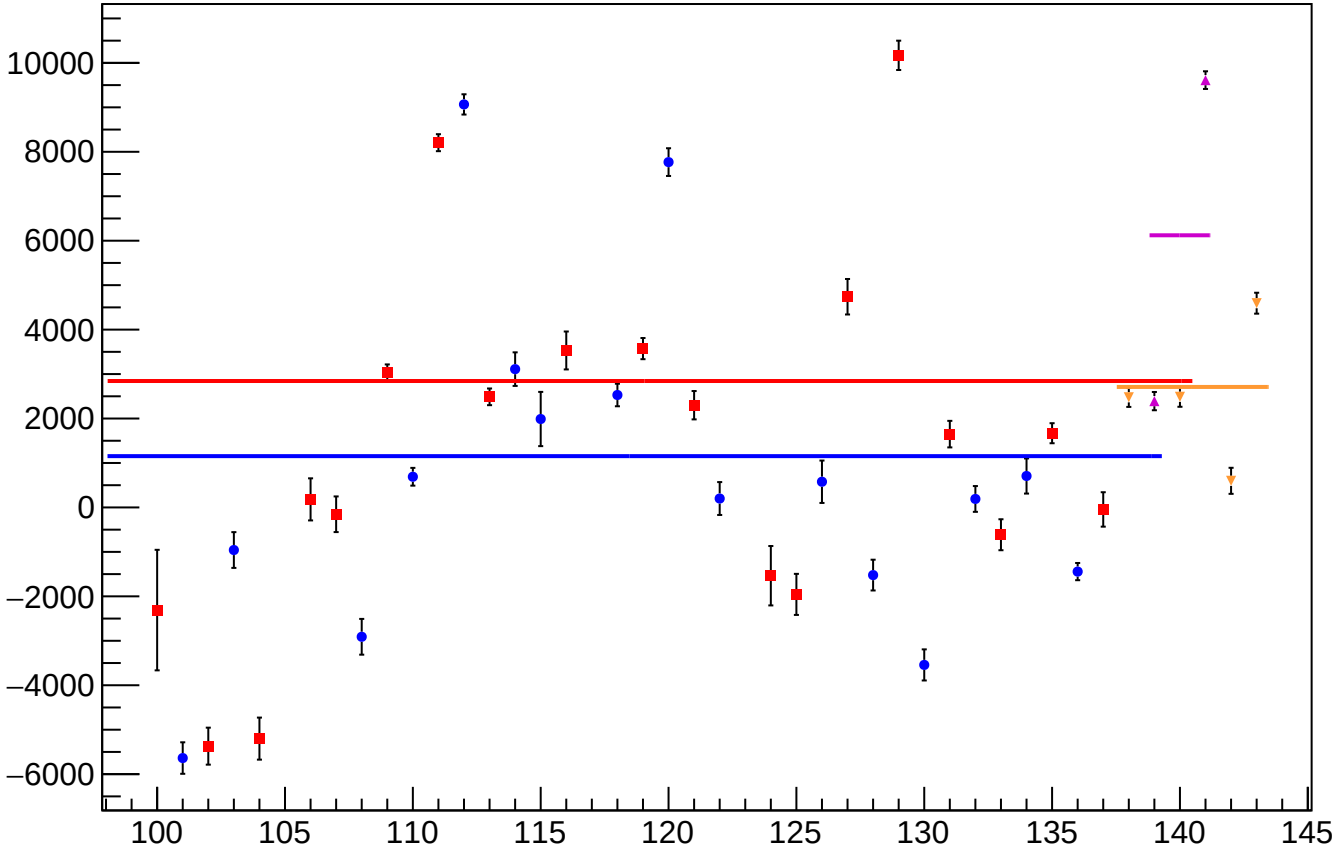
Left In: 179.221+/-0.097 χ^2/NDF:336.9/1

+ sign 182.002+/-0.042 χ^2/NDF: 704392.5/19

All: 176.101+/-0.029 χ^2/NDF: 1733775.7/40

- sign 170.318+/-0.041 χ^2/NDF: 990090.5/20

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2710.363+/-118.765 χ^2/NDF:118.1/3

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

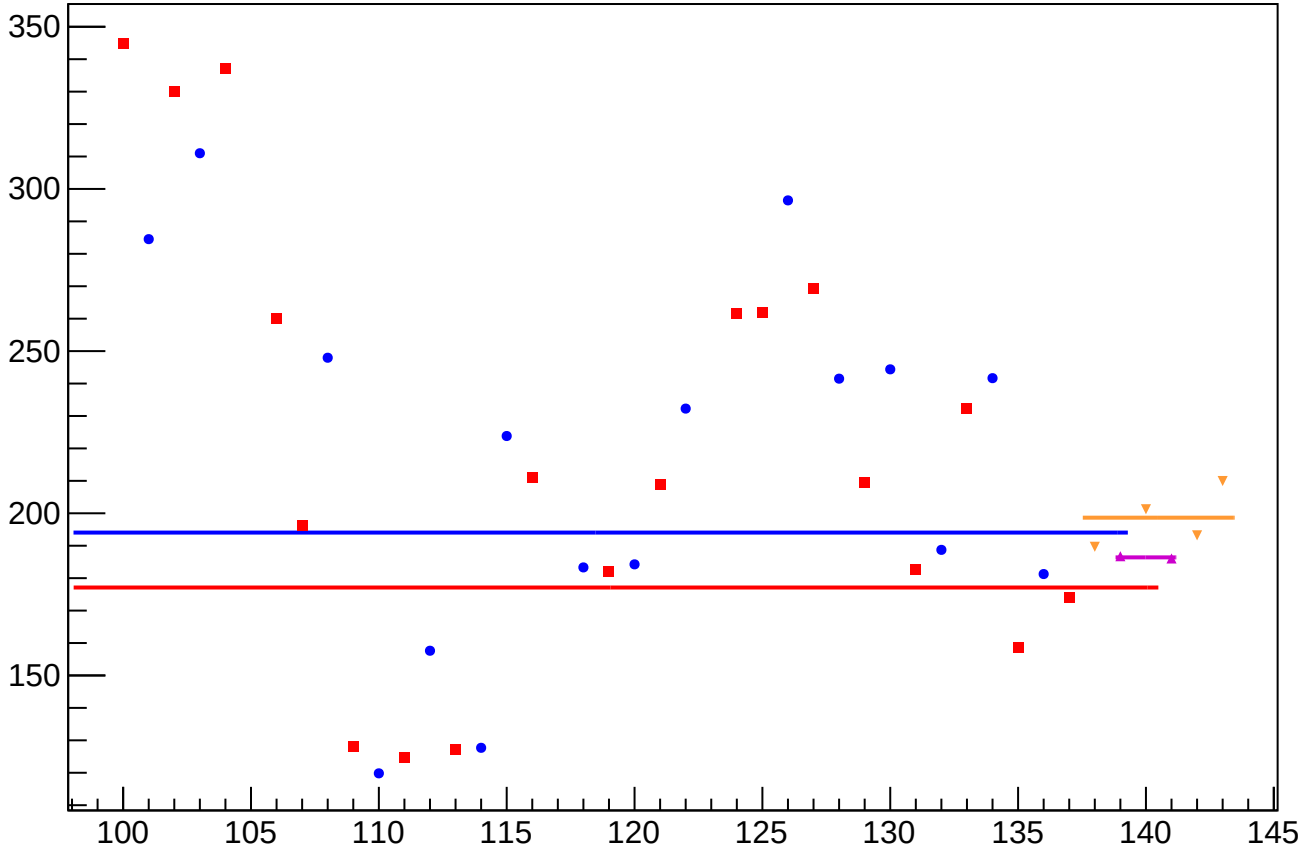
Left In: 6121.840+/-142.841 χ^2/NDF:638.2/1

+ sign 1605.677+/-63.989 χ^2/NDF: 2895.4/19

All: 2561.775+/-44.613 χ^2/NDF: 6847.8/40

- sign 3466.094+/-62.232 χ^2/NDF: 3518.0/20

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 198.647+/-0.084 χ^2/NDF:9005.0/3

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

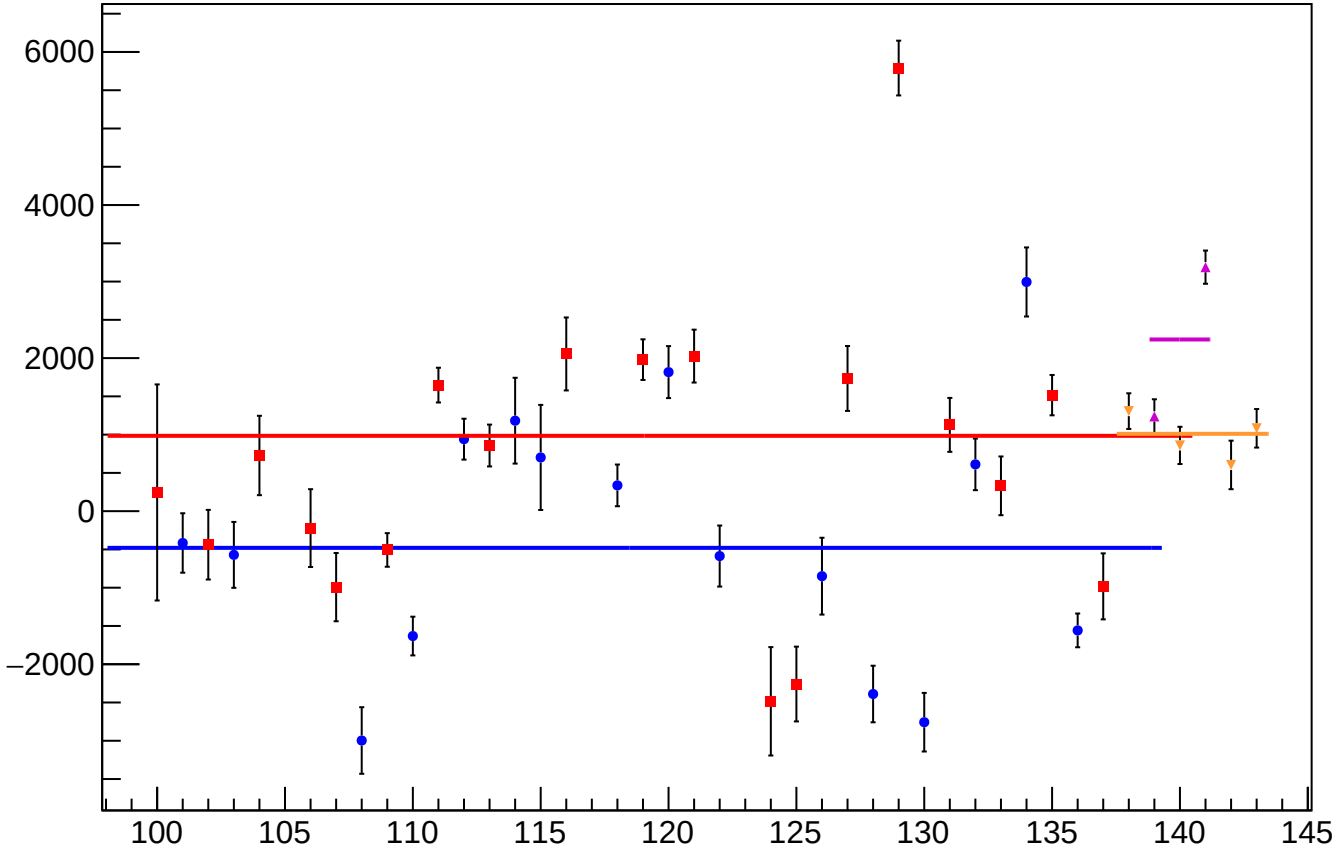
Left In: 186.407+/-0.101 χ^2/NDF:11.7/1

+ sign 195.387+/-0.045 χ^2/NDF: 976915.3/19

All: 186.903+/-0.032 χ^2/NDF: 2411535.3/40

- sign 178.879+/-0.044 χ^2/NDF: 1366214.5/20

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1010.455+/-128.008 χ^2/NDF:3.7/3

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

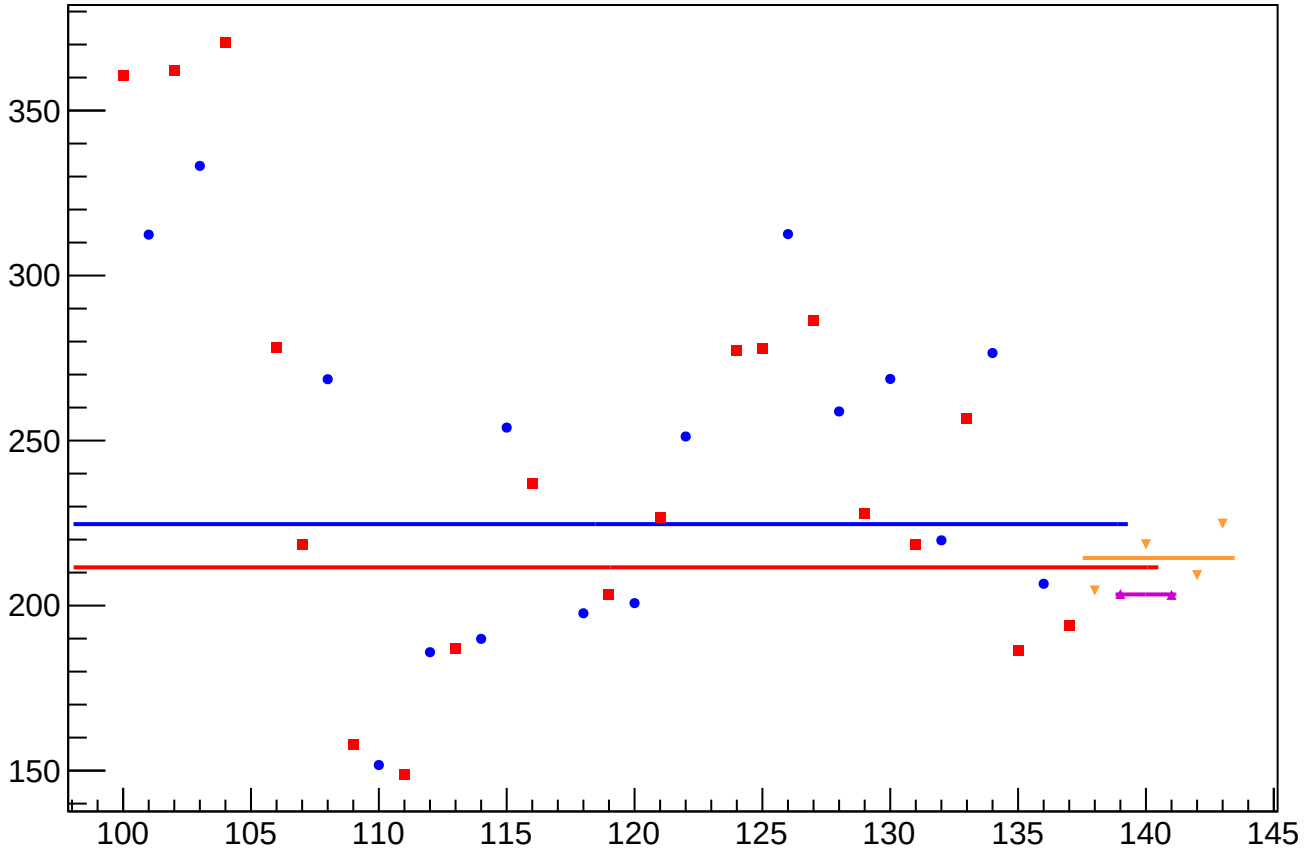
Left In: 2243.328+/-155.681 χ^2/NDF:39.2/1

+ sign -10.921+/-71.776 χ^2/NDF: 402.0/19

All: 620.367+/-50.768 χ^2/NDF: 1045.6/40

- sign 1252.390+/-71.818 χ^2/NDF: 488.8/20

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 214.431+/-0.091 χ^2/NDF:8094.6/3

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

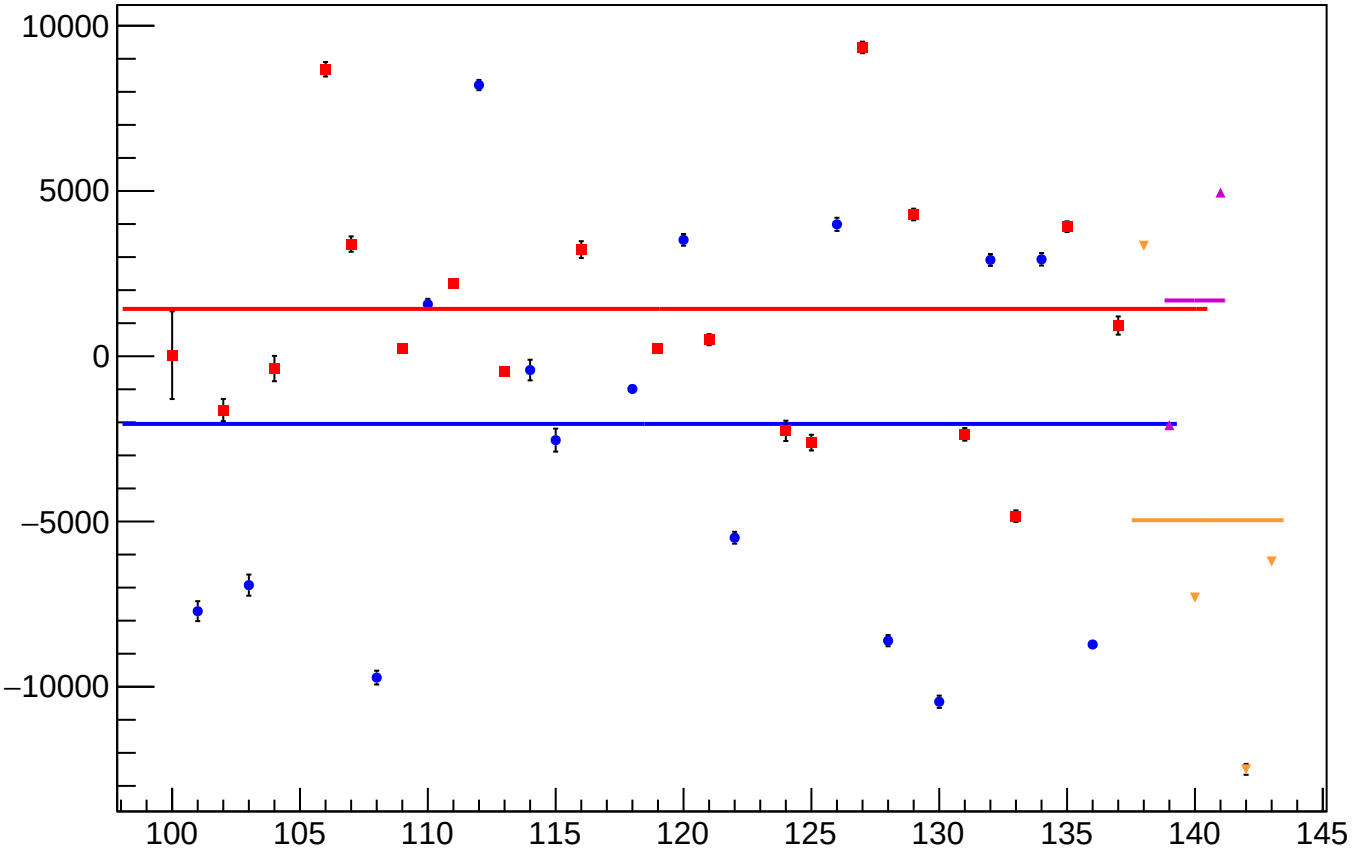
Left In: 203.386+/-0.110 χ^2/NDF:1.4/1

+ sign 221.460+/-0.051 χ^2/NDF: 670082.6/19

All: 215.657+/-0.036 χ^2/NDF: 1633520.4/40

- sign 209.848+/-0.051 χ^2/NDF: 937281.7/20

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4960.490+/-65.950 χ^2/NDF:6786.1/3

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

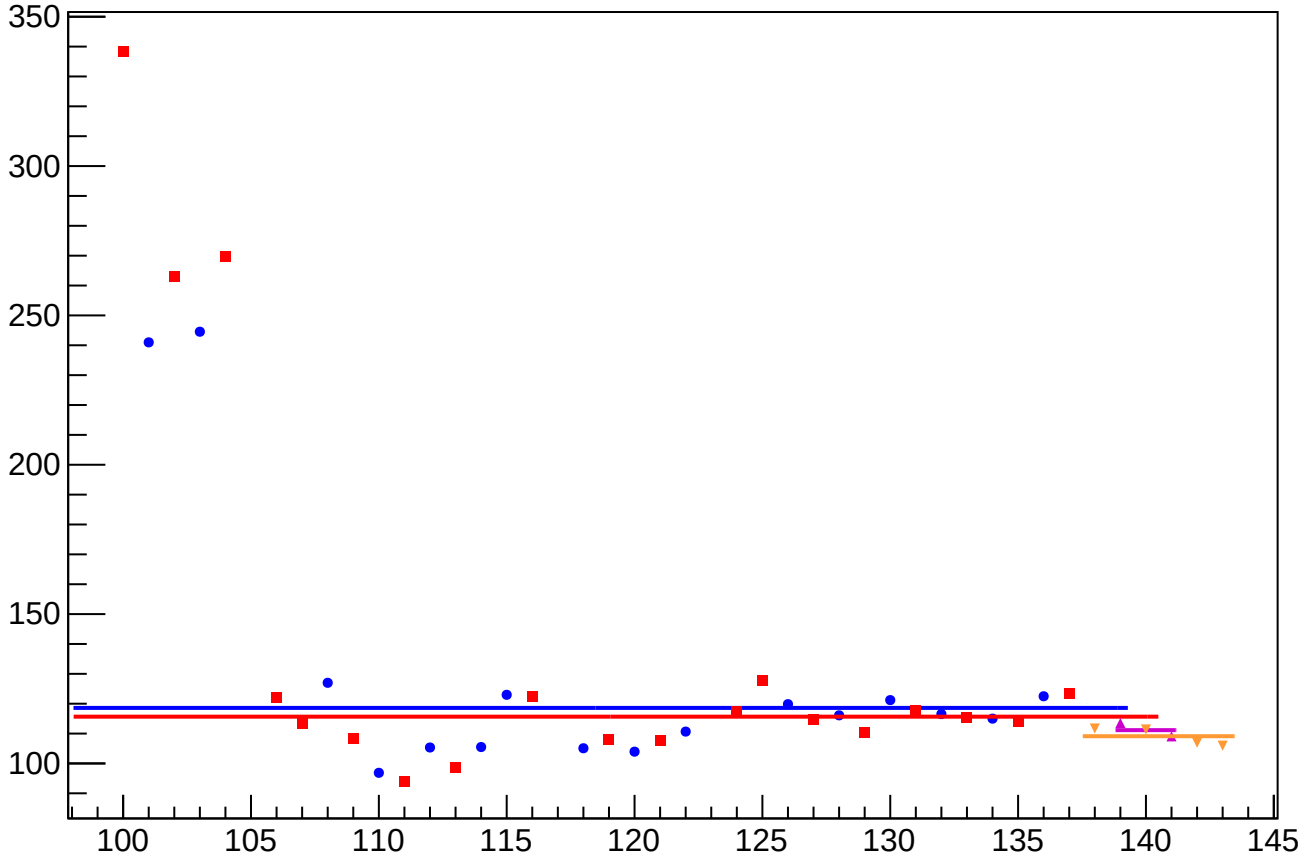
Left In: 1687.601+/-86.208 χ^2/NDF:1657.2/1

+ sign -3020.795+/-38.124 χ^2/NDF: 24794.5/19

All: -858.341+/-27.499 χ^2/NDF: 39552.9/40

- sign 1486.931+/-39.703 χ^2/NDF: 8051.8/20

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 109.113+/-0.047 χ^2/NDF:3199.0/3

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

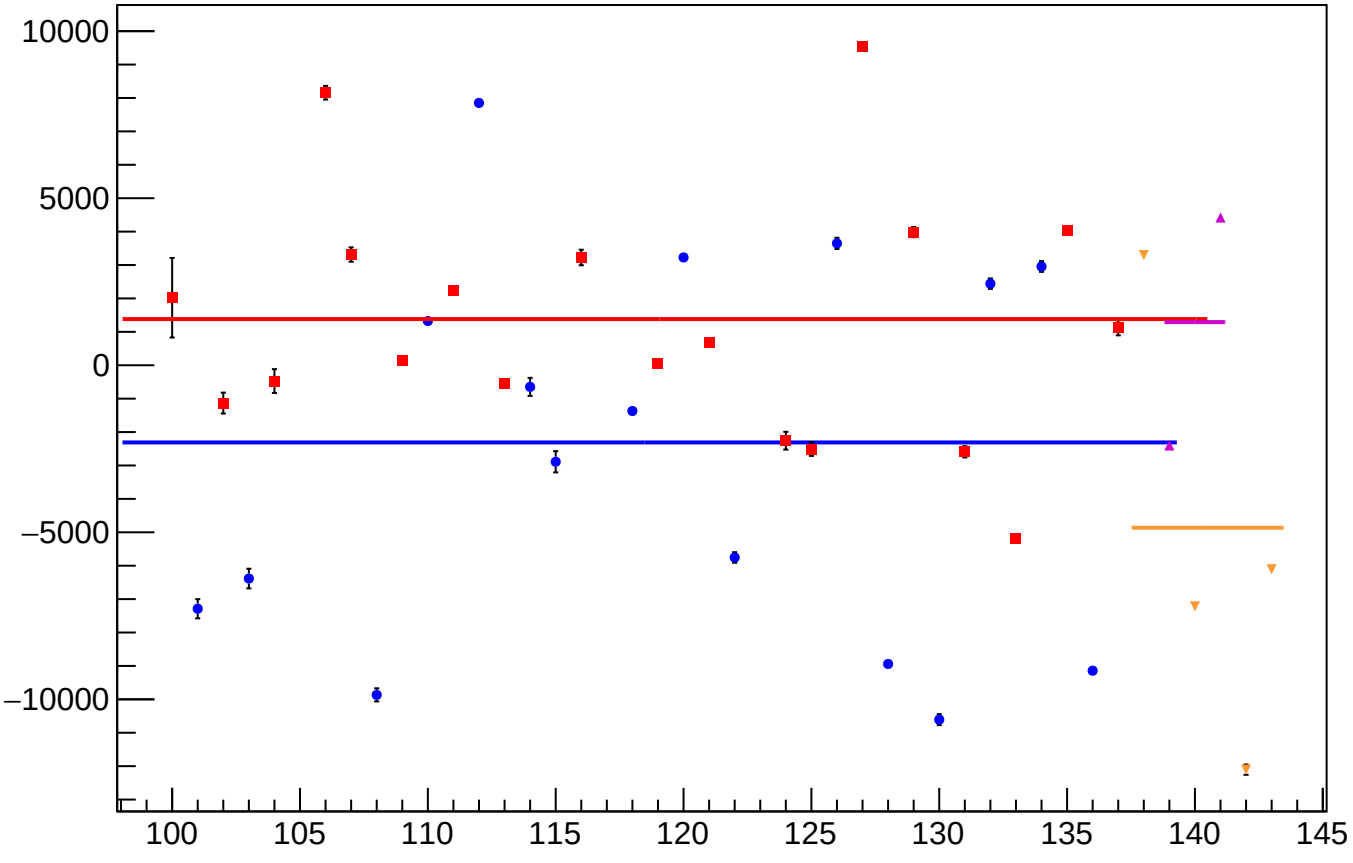
Left In: 111.146+/-0.061 χ^2/NDF:1344.8/1

+ sign 115.427+/-0.027 χ^2/NDF: 764887.8/19

All: 115.079+/-0.019 χ^2/NDF: 1635106.0/40

- sign 114.702+/-0.028 χ^2/NDF: 869871.3/20

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4863.364+/-59.934 χ^2/NDF:7647.3/3

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

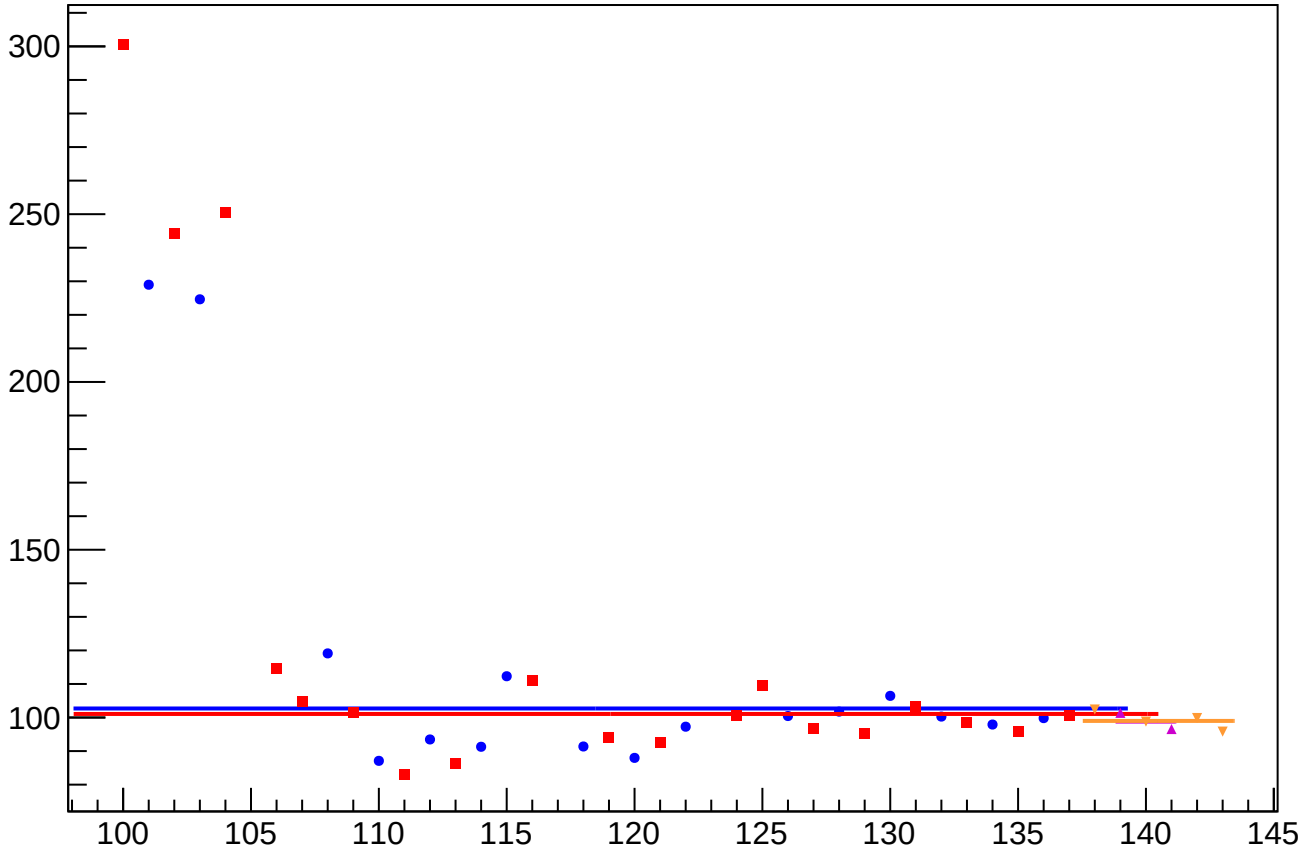
Left In: 1291.619+/-76.749 χ^2/NDF:1961.8/1

+ sign -3117.198+/-33.690 χ^2/NDF: 30567.8/19

All: -963.018+/-24.276 χ^2/NDF: 49613.4/40

- sign 1363.334+/-35.010 χ^2/NDF: 10541.7/20

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 98.990+/-0.042 χ^2/NDF:3478.9/3

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

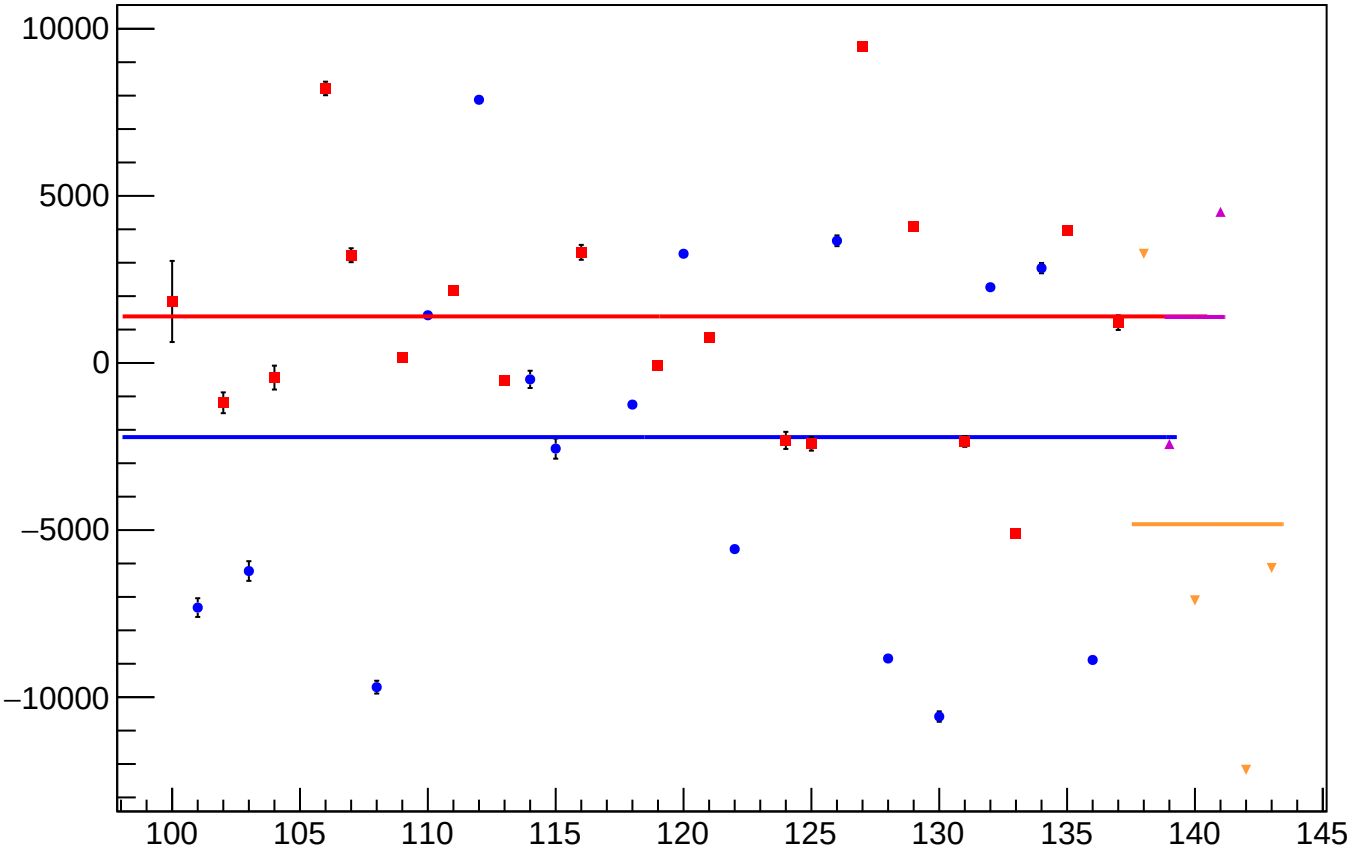
Left In: 98.784+/-0.054 χ^2/NDF:1957.3/1

+ sign 101.523+/-0.024 χ^2/NDF: 834504.5/19

All: 101.074+/-0.017 χ^2/NDF: 1769056.6/40

- sign 100.589+/-0.025 χ^2/NDF: 933812.3/20

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4824.123+/-58.028 χ^2/NDF:8174.8/3

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

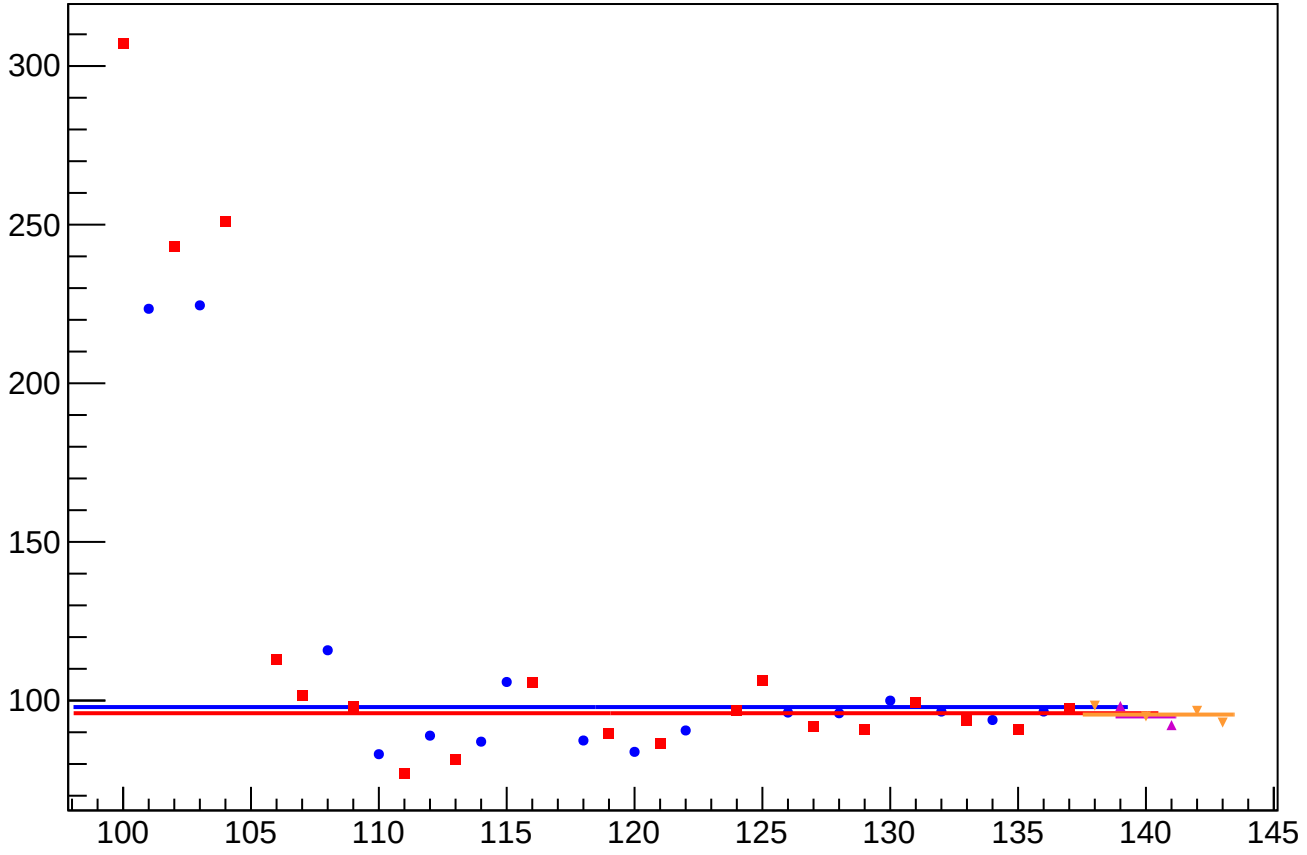
Left In: 1376.193+/-74.026 χ^2/NDF:2182.5/1

+ sign -3030.048+/-32.391 χ^2/NDF: 32604.0/19

All: -895.003+/-23.289 χ^2/NDF: 52933.4/40

- sign 1389.999+/-33.509 χ^2/NDF: 11334.7/20

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 95.580+/-0.041 χ^2/NDF:2554.8/3

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

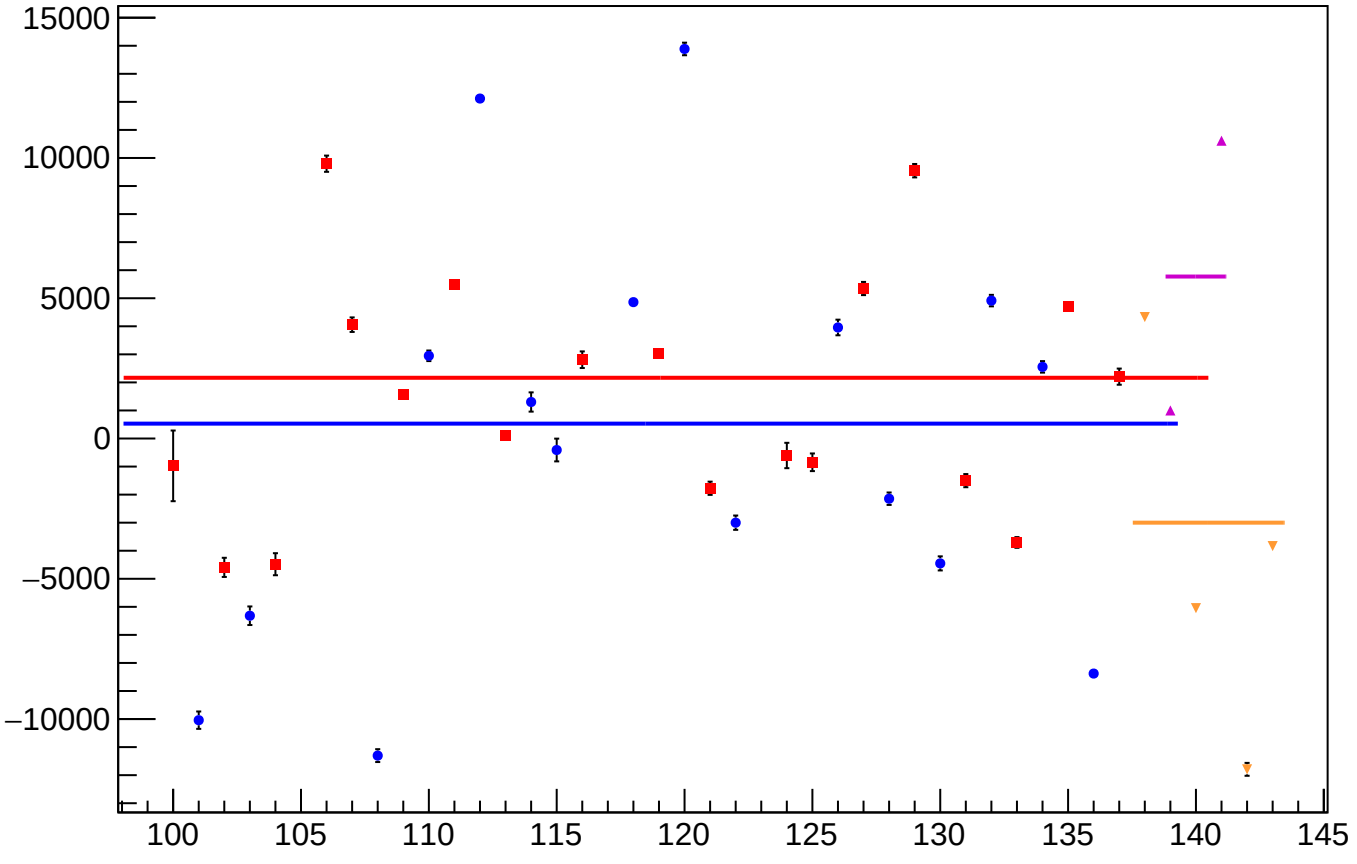
Left In: 94.987+/-0.052 χ^2/NDF:3286.7/1

+ sign 97.207+/-0.023 χ^2/NDF: 872987.0/19

All: 96.526+/-0.016 χ^2/NDF: 1890694.7/40

- sign 95.796+/-0.024 χ^2/NDF: 1015874.3/20

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2999.489+/-87.537 χ^2/NDF:4015.0/3

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

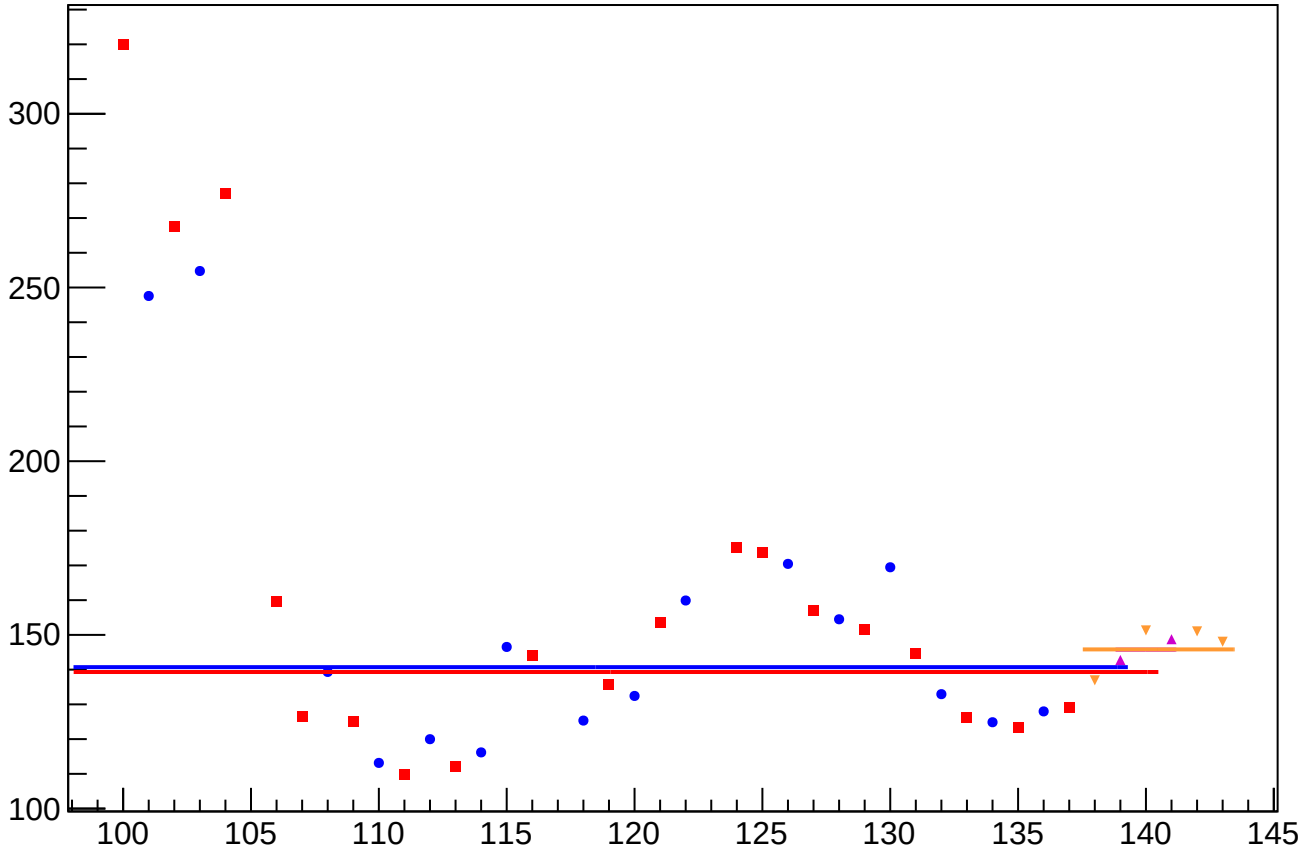
Left In: 5773.827+/-112.308 χ^2/NDF:1832.4/1

+ sign -464.777+/-46.482 χ^2/NDF: 23770.3/19

All: 1121.287+/-33.482 χ^2/NDF: 33831.5/40

- sign 2831.618+/-48.269 χ^2/NDF: 7641.4/20

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 145.823+/-0.062 χ^2/NDF:9948.9/3

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

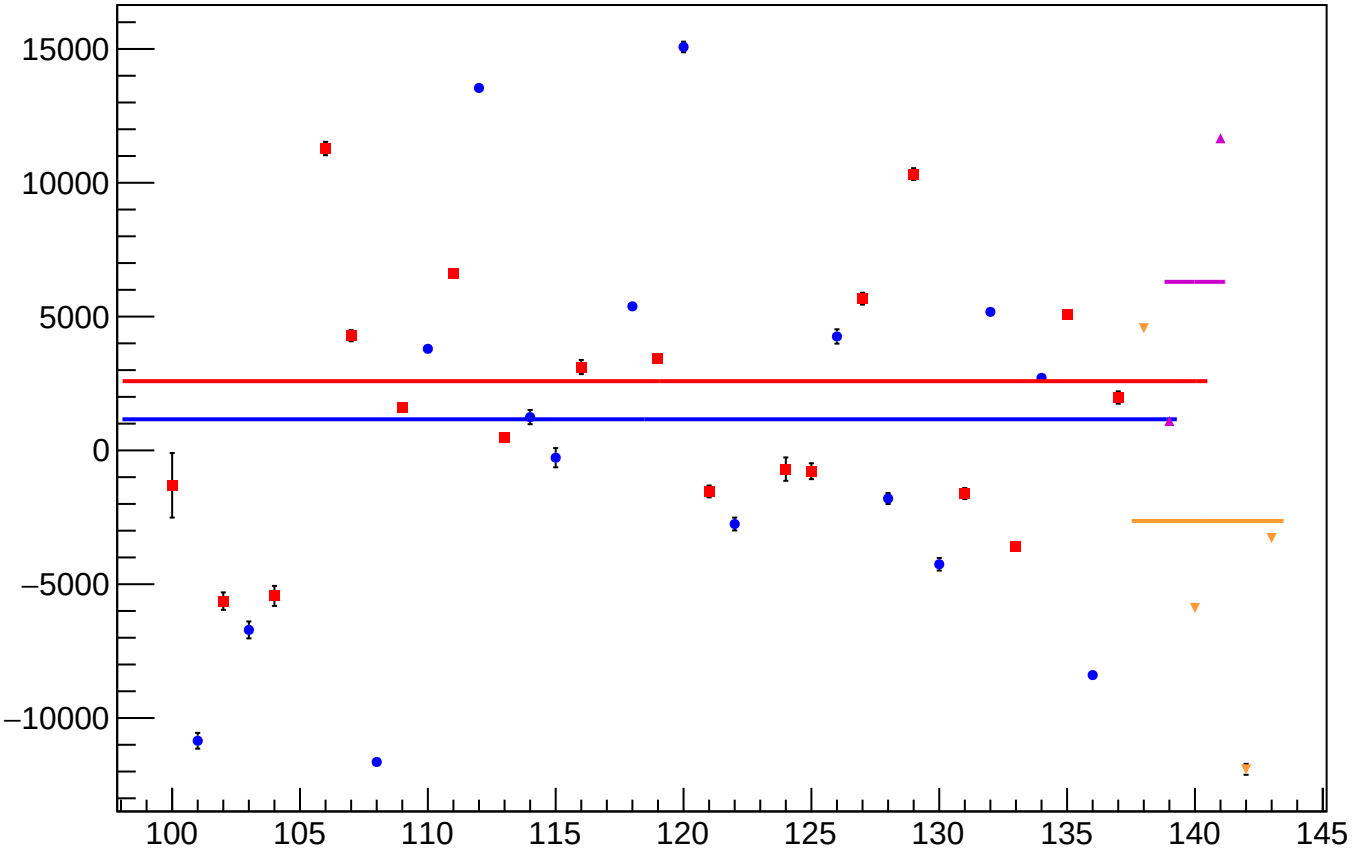
Left In: 145.749+/-0.079 χ^2/NDF:1419.2/1

+ sign 142.155+/-0.033 χ^2/NDF: 690456.2/19

All: 141.361+/-0.024 χ^2/NDF: 1500753.9/40

- sign 140.505+/-0.034 χ^2/NDF: 809085.0/20

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2635.239+/-76.804 χ^2/NDF:5432.0/3

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

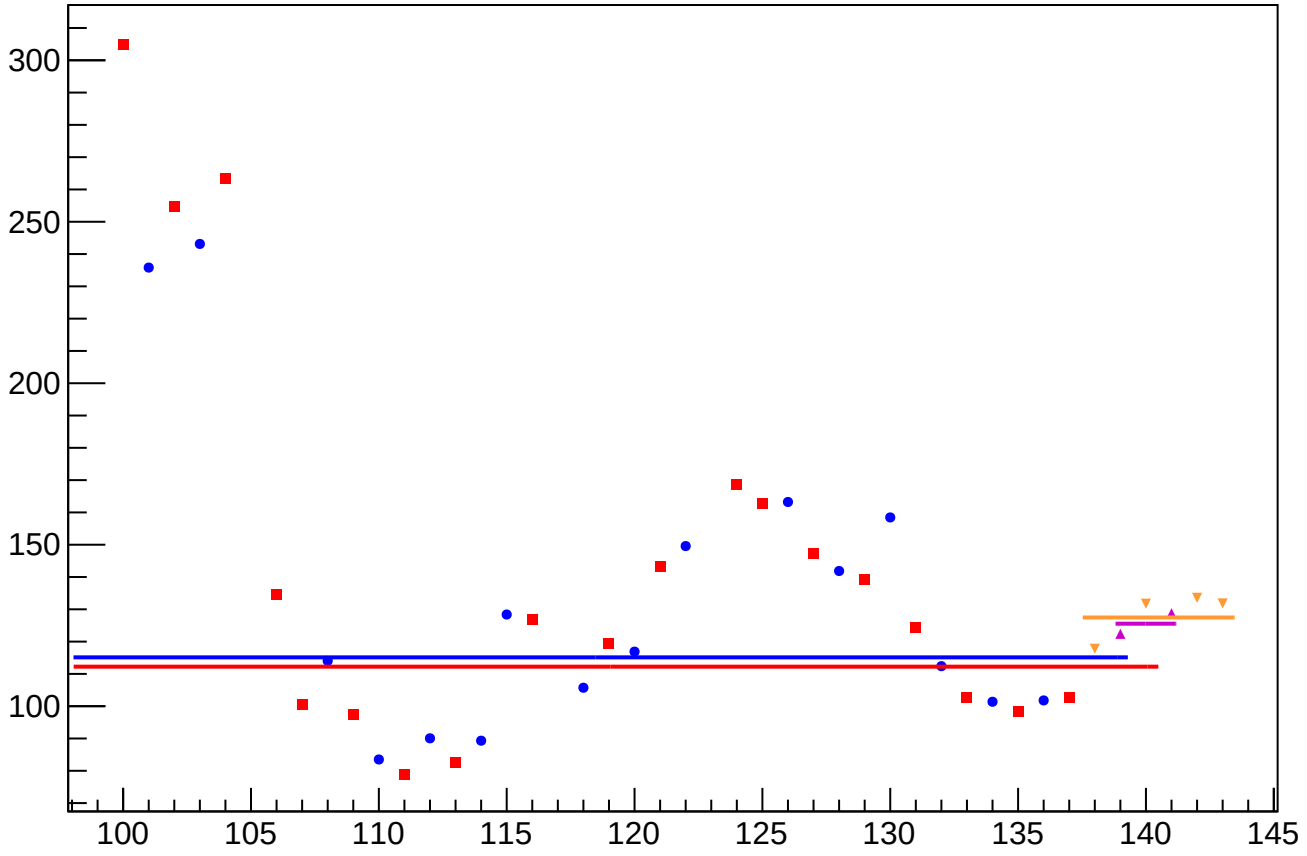
Left In: 6298.621+/-97.059 χ^2/NDF:2961.9/1

+ sign 162.450+/-39.419 χ^2/NDF: 37987.7/19

All: 1661.435+/-28.169 χ^2/NDF: 53215.2/40

- sign 3225.659+/-40.268 χ^2/NDF: 12272.4/20

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 127.467+/-0.054 χ^2/NDF:15511.2/3

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

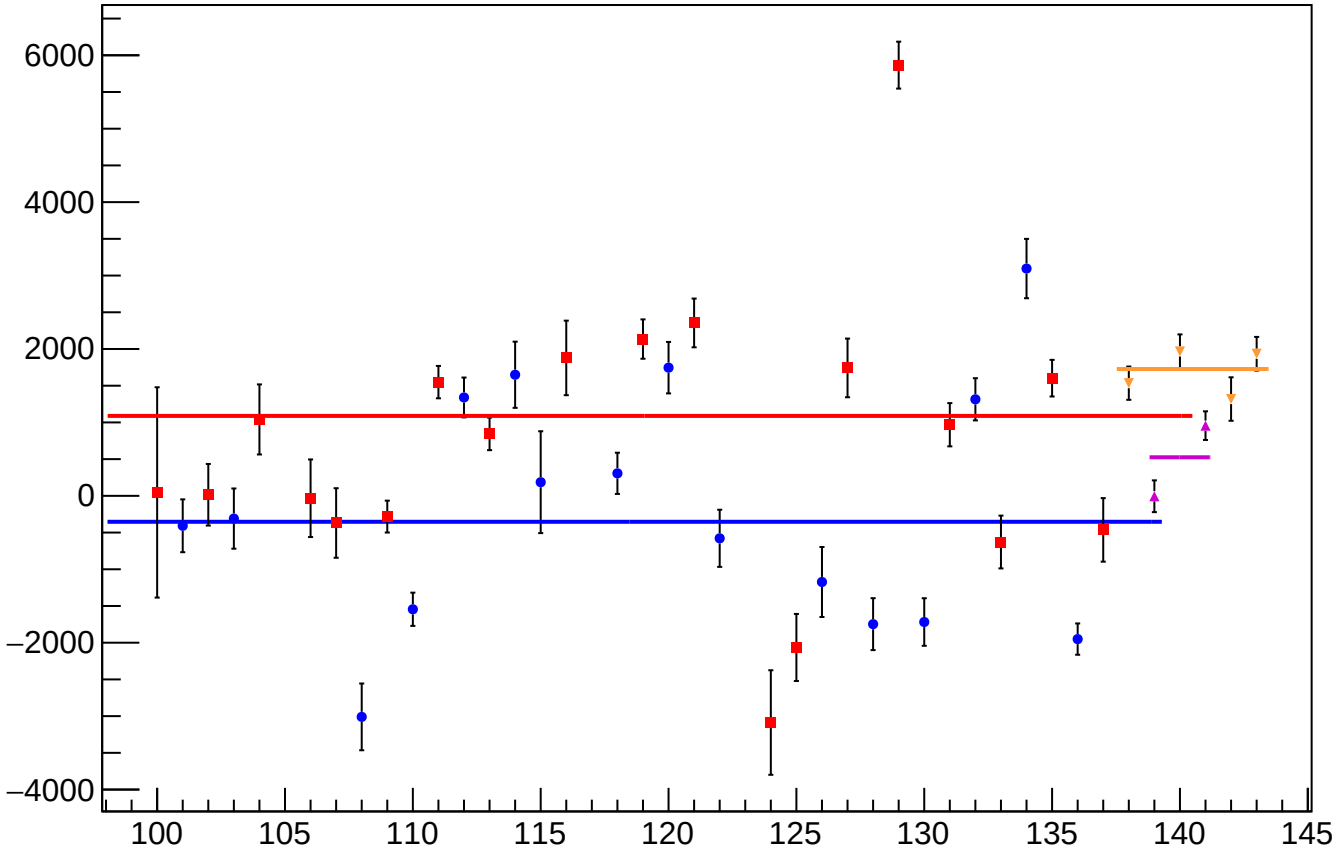
Left In: 125.548+/-0.069 χ^2/NDF:2158.8/1

+ sign 118.377+/-0.028 χ^2/NDF: 1166538.7/19

All: 116.495+/-0.020 χ^2/NDF: 2537288.1/40

- sign 114.532+/-0.028 χ^2/NDF: 1361438.2/20

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1727.099+/-120.870 χ^2/NDF:4.5/3

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

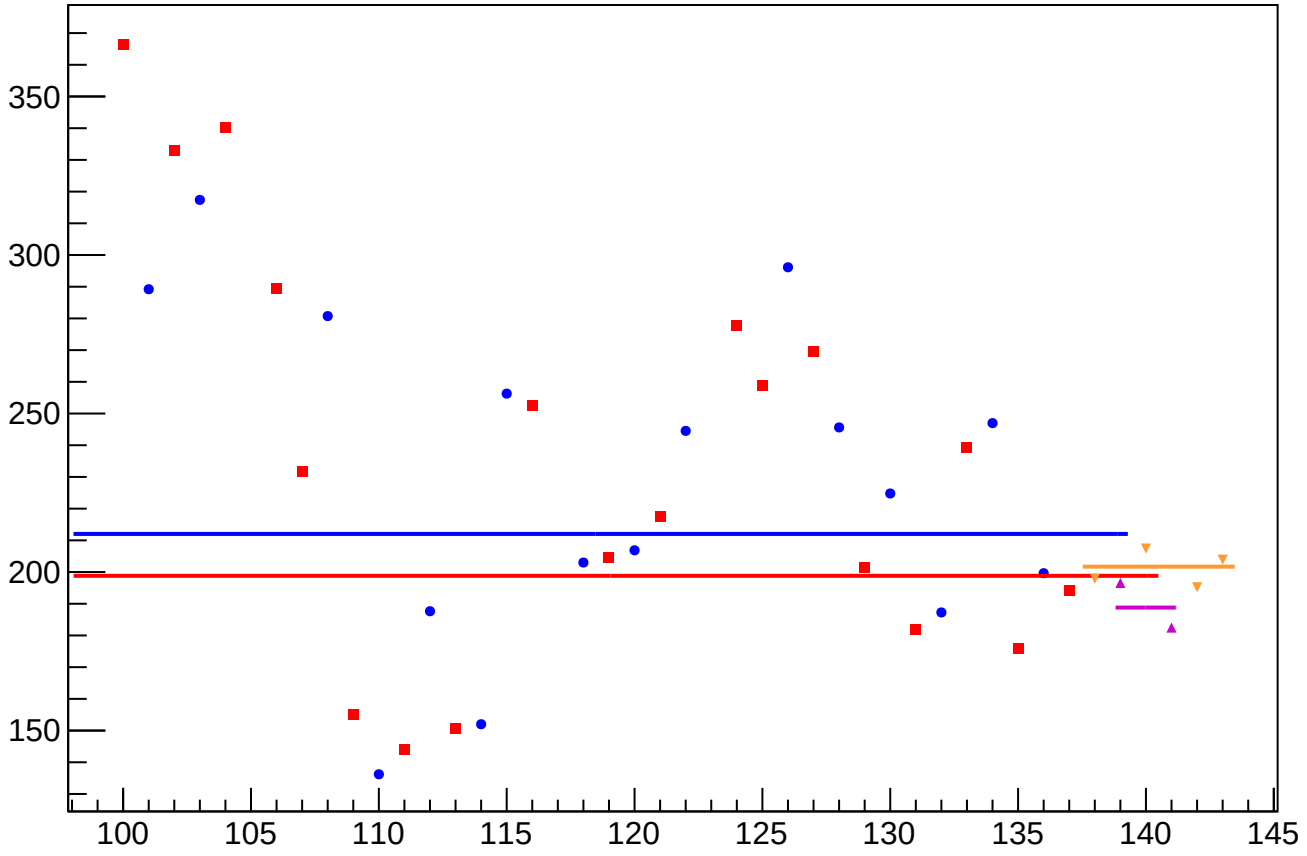
Left In: 525.246+/-144.858 χ^2/NDF:10.9/1

+ sign 304.013+/-67.935 χ^2/NDF: 569.0/19

All: 636.609+/-47.921 χ^2/NDF: 1086.6/40

- sign 966.007+/-67.608 χ^2/NDF: 469.9/20

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 201.705+/-0.085 χ^2/NDF:2912.4/3

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

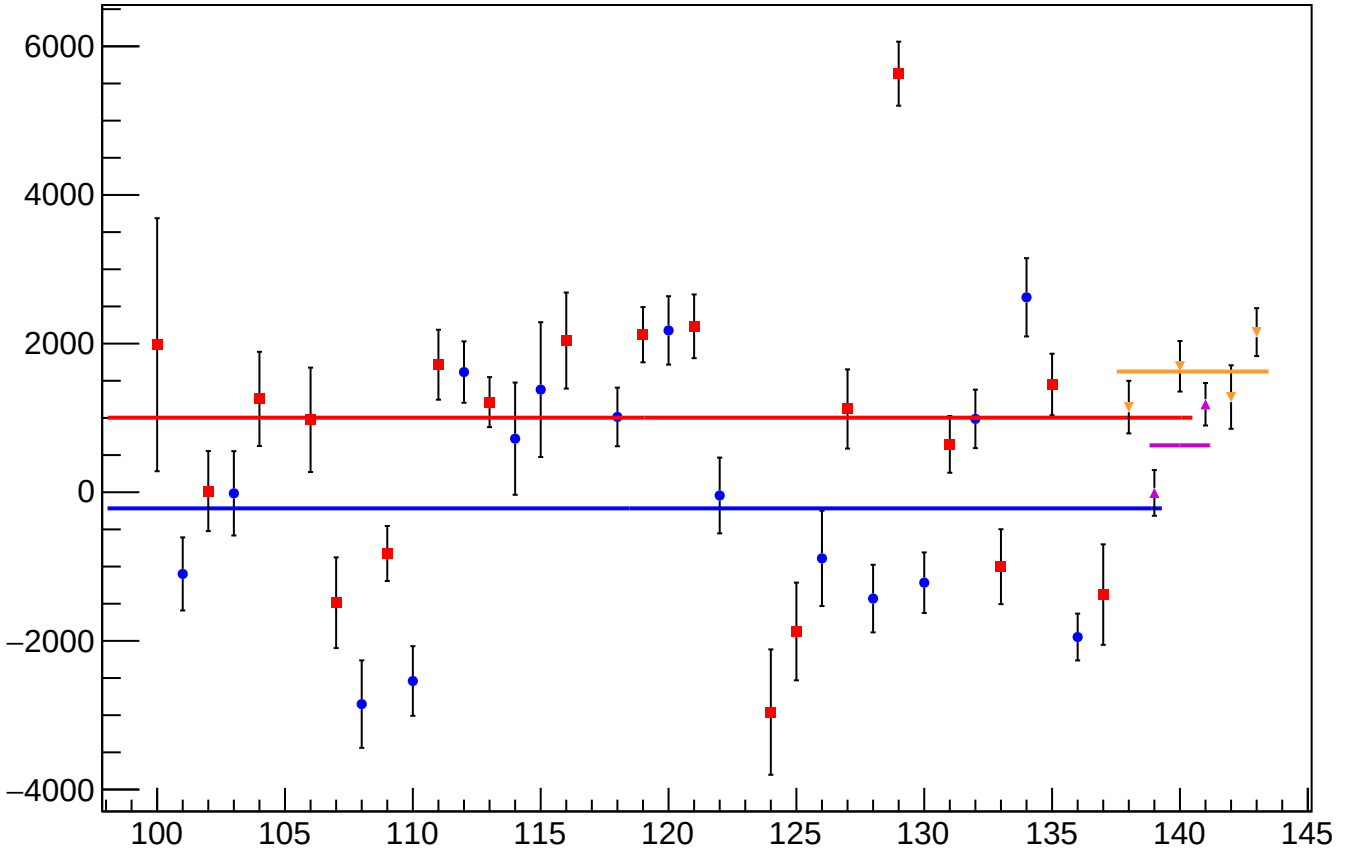
Left In: 188.797+/-0.102 χ^2/NDF:4672.8/1

+ sign 208.767+/-0.048 χ^2/NDF: 703249.3/19

All: 202.668+/-0.034 χ^2/NDF: 1722403.5/40

- sign 196.628+/-0.048 χ^2/NDF: 987075.3/20

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1624.110+/-177.451 χ^2/NDF:5.2/3

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

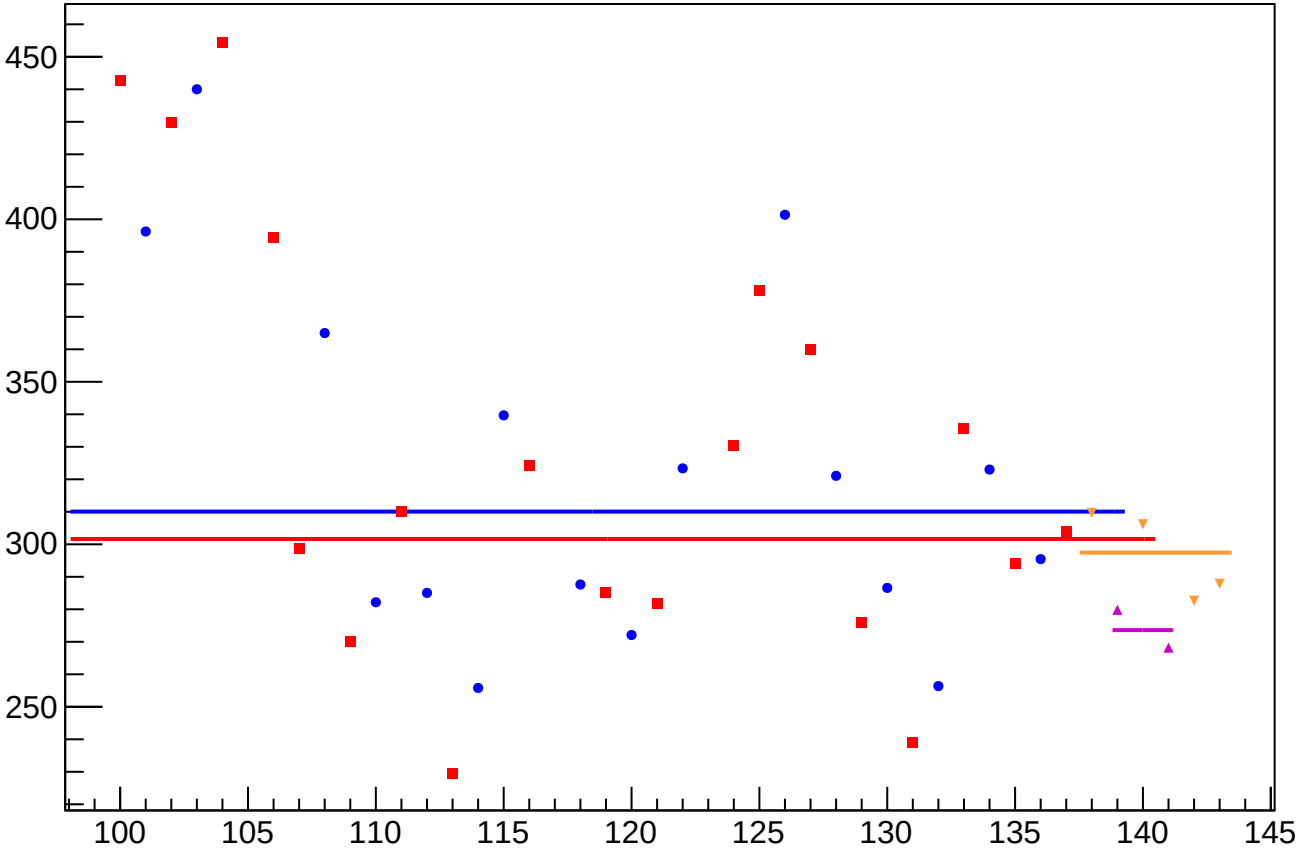
Left In: 631.145+/-209.352 χ^2/NDF:8.1/1

+ sign 346.790+/-98.193 χ^2/NDF: 272.1/19

All: 629.079+/-69.896 χ^2/NDF: 553.7/40

- sign 919.016+/-99.515 χ^2/NDF: 264.9/20

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 297.448+/-0.125 χ^2/NDF:7875.0/3

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

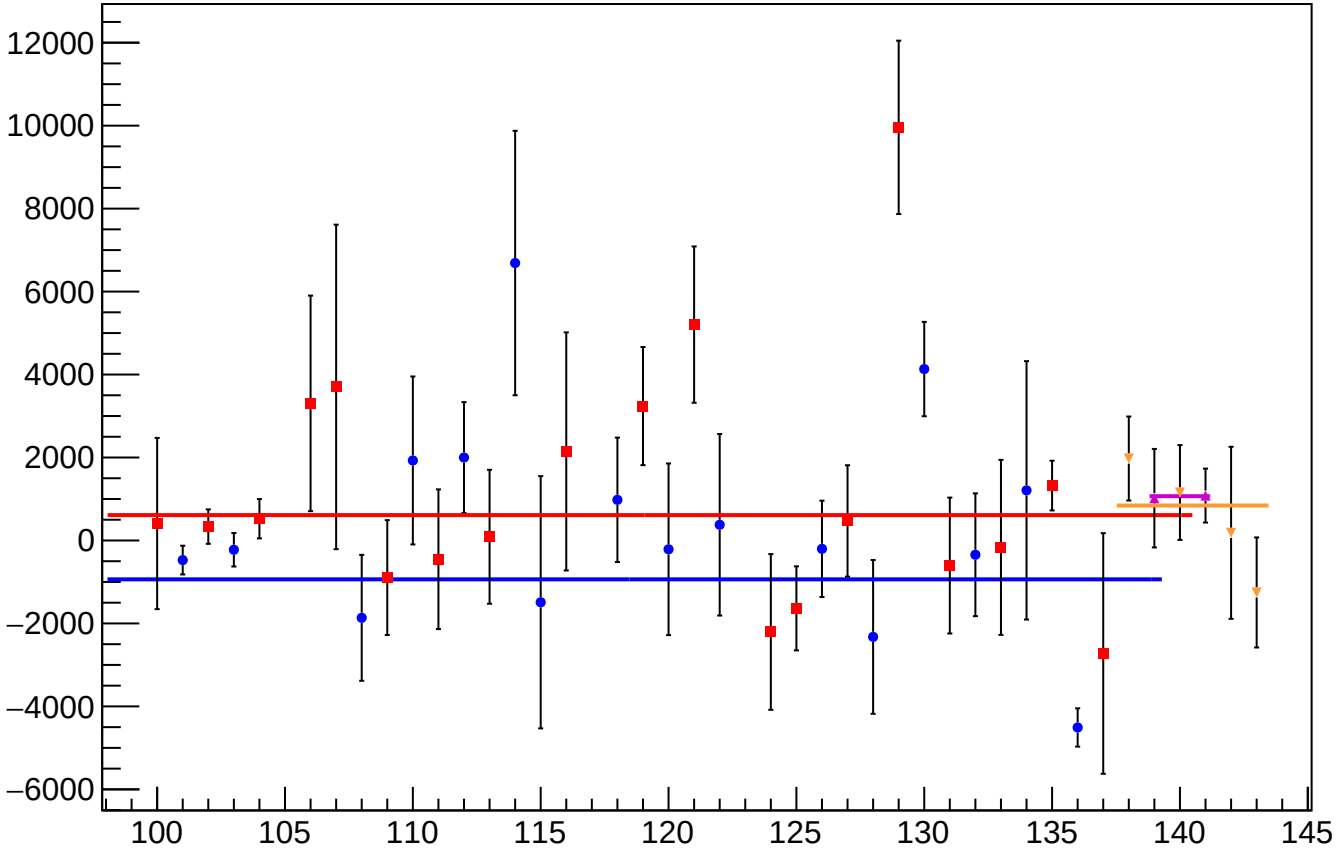
Left In: 273.596+/-0.148 χ^2/NDF:1537.2/1

+ sign 306.200+/-0.069 χ^2/NDF: 338169.7/19

All: 300.823+/-0.049 χ^2/NDF: 899524.0/40

- sign 295.301+/-0.070 χ^2/NDF: 549200.0/20

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 843.271+/-627.110 χ^2/NDF:3.9/3

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

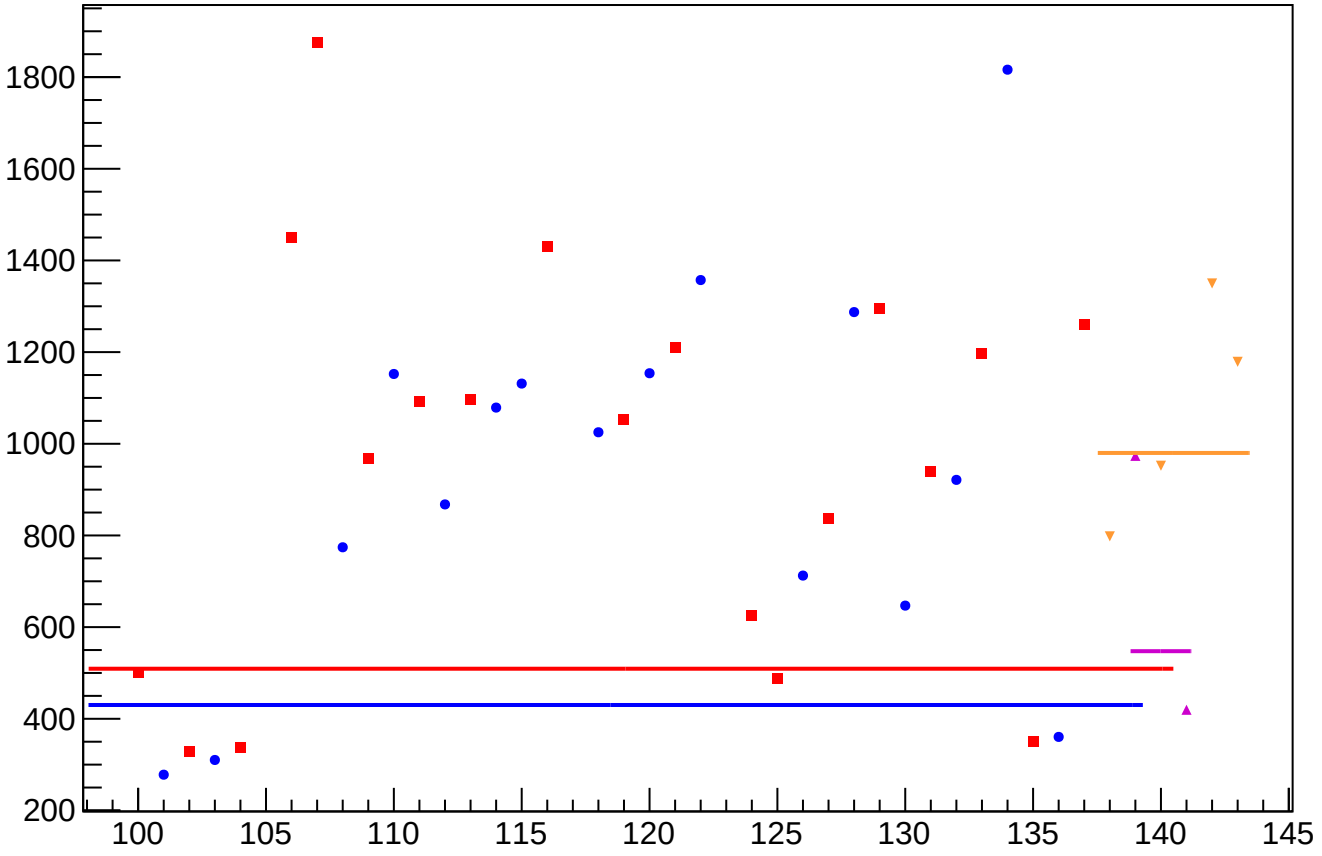
Left In: 1067.334+/-570.142 χ^2/NDF:0.0/1

+ sign -765.508+/-194.610 χ^2/NDF: 112.4/19

All: -118.554+/-144.522 χ^2/NDF: 181.7/40

- sign 676.948+/-215.799 χ^2/NDF: 44.7/20

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 980.009+/-0.443 χ^2/NDF:174372.5/3

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

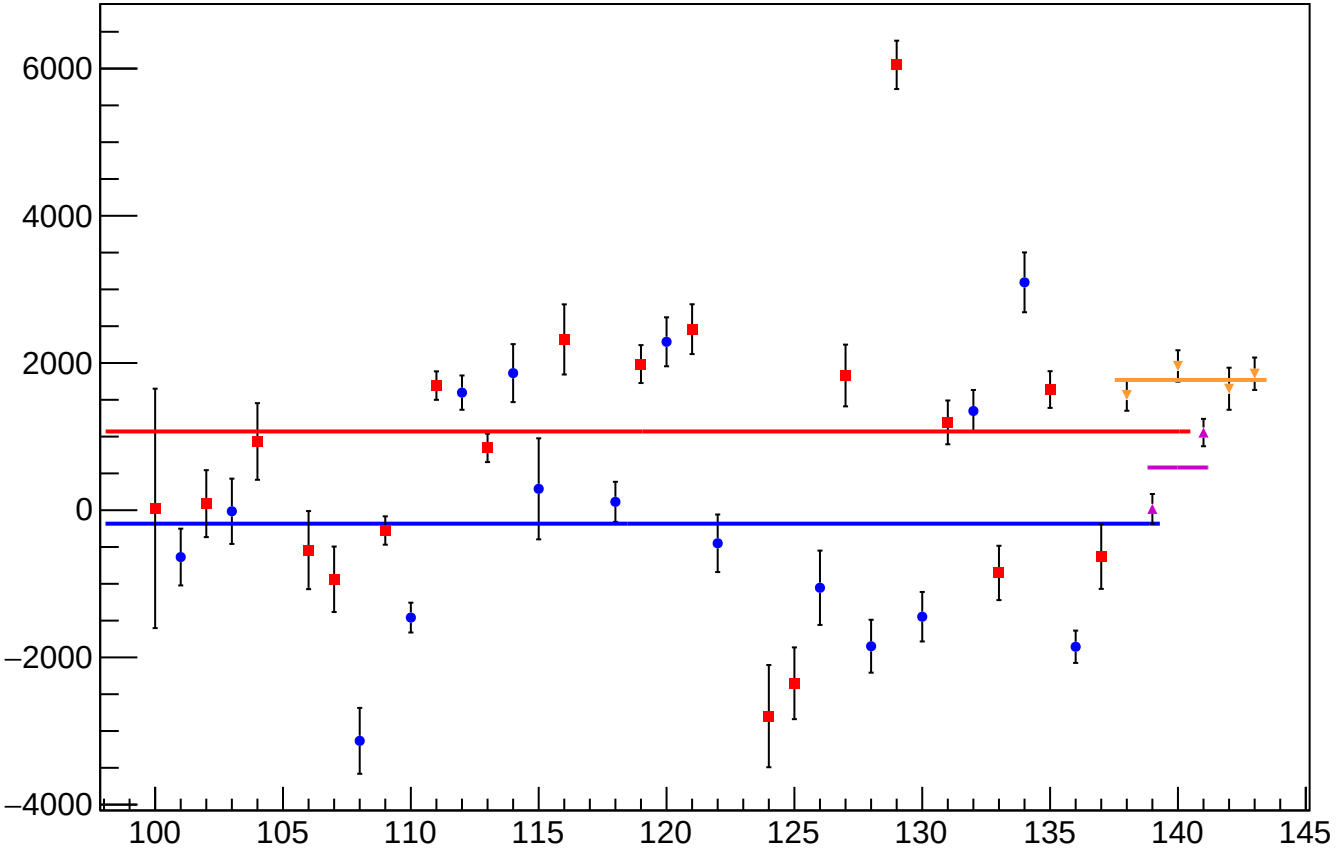
Left In: 547.500+/-0.403 χ^2/NDF:335049.6/1

+ sign 483.067+/-0.138 χ^2/NDF: 5085965.3/19

All: 497.263+/-0.102 χ^2/NDF: 9125884.3/40

- sign 514.718+/-0.153 χ^2/NDF: 4016193.2/20

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1769.850+/-114.160 χ^2/NDF:2.0/3

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

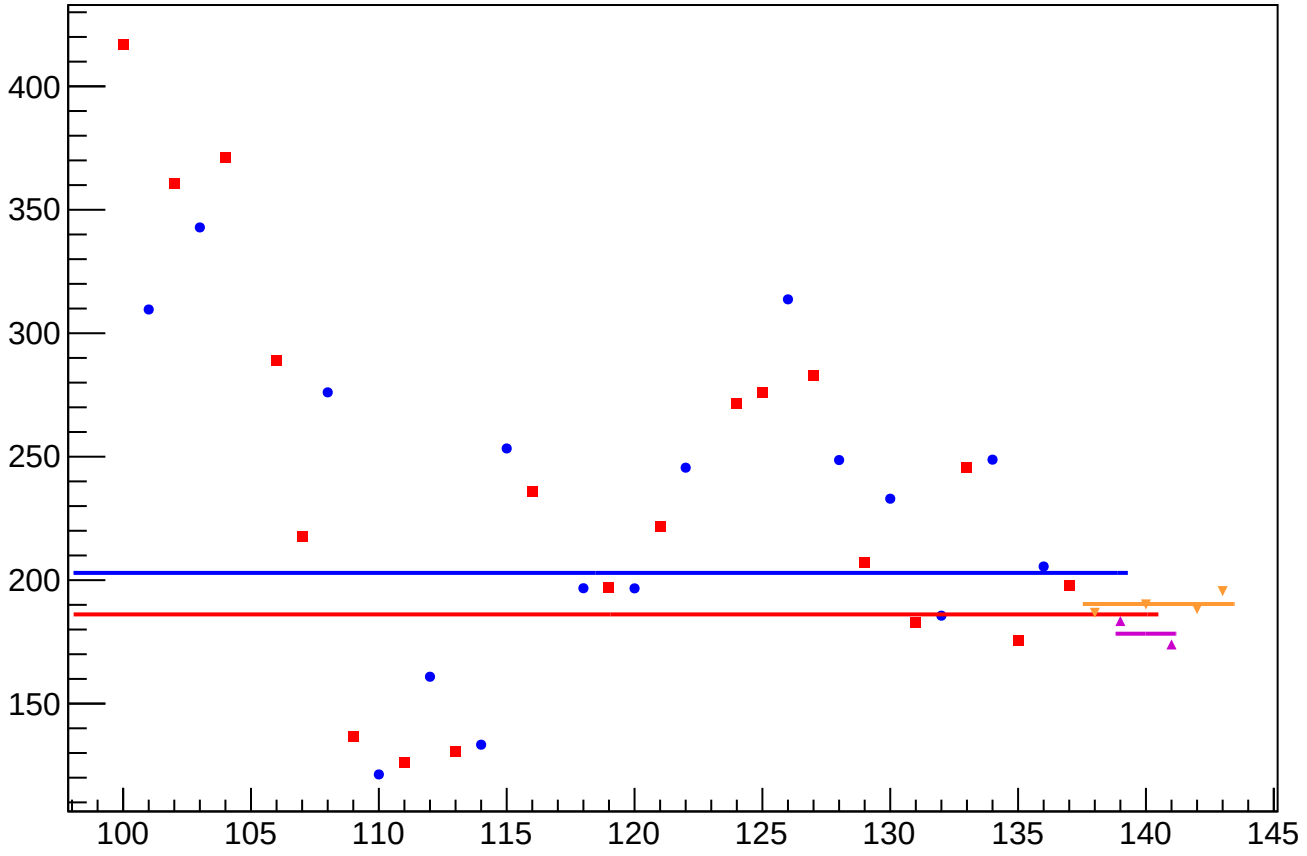
Left In: 580.051+/-136.891 χ^2/NDF:14.2/1

+ sign 458.674+/-65.440 χ^2/NDF: 616.2/19

All: 713.729+/-45.921 χ^2/NDF: 1162.6/40

- sign 961.168+/-64.455 χ^2/NDF: 516.5/20

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 190.342+/-0.081 χ^2/NDF:1787.4/3

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

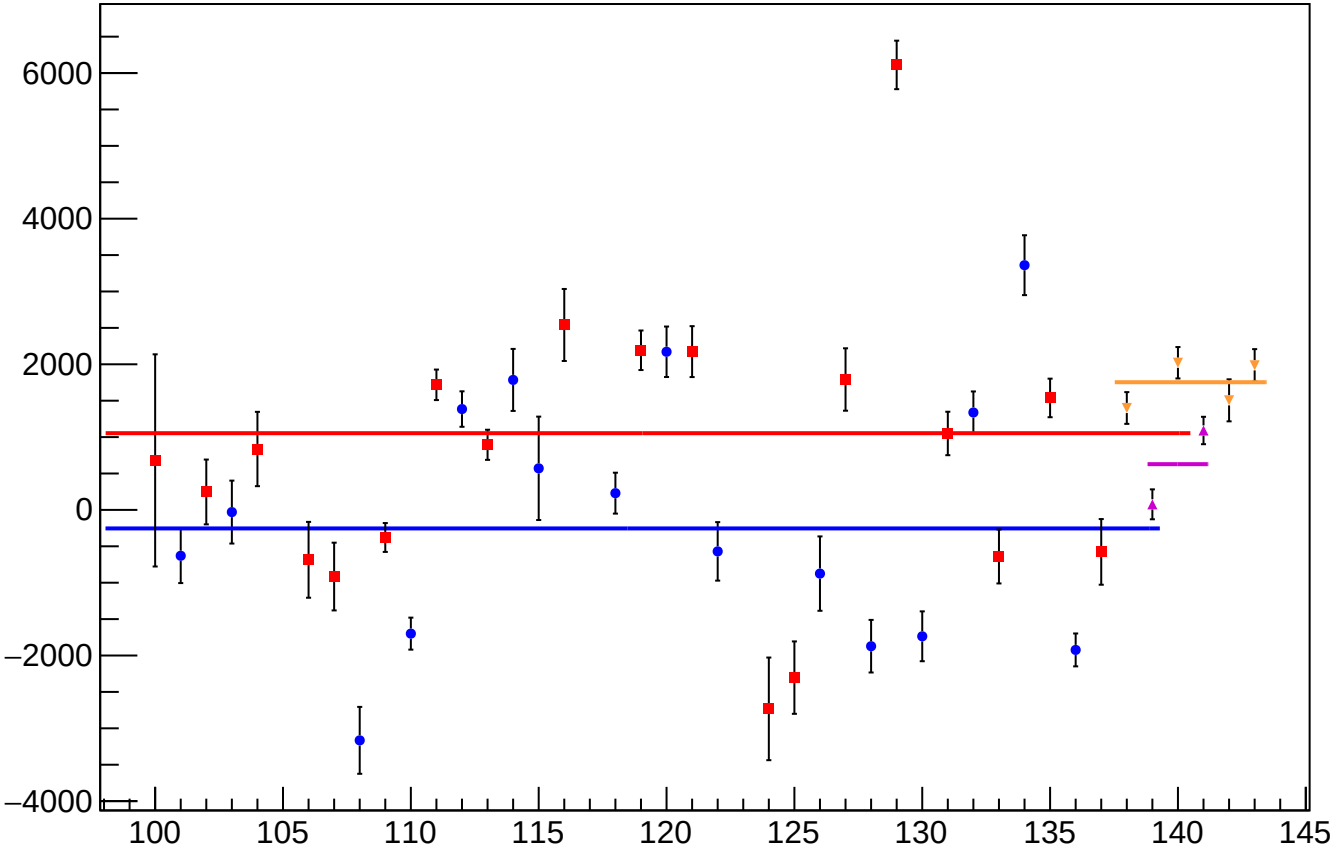
Left In: 178.316+/-0.097 χ^2/NDF:2381.7/1

+ sign 198.801+/-0.046 χ^2/NDF: 1090003.5/19

All: 191.490+/-0.032 χ^2/NDF: 2628305.2/40

- sign 184.397+/-0.046 χ^2/NDF: 1489116.2/20

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1753.767+/-115.685 χ^2/NDF:6.0/3

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

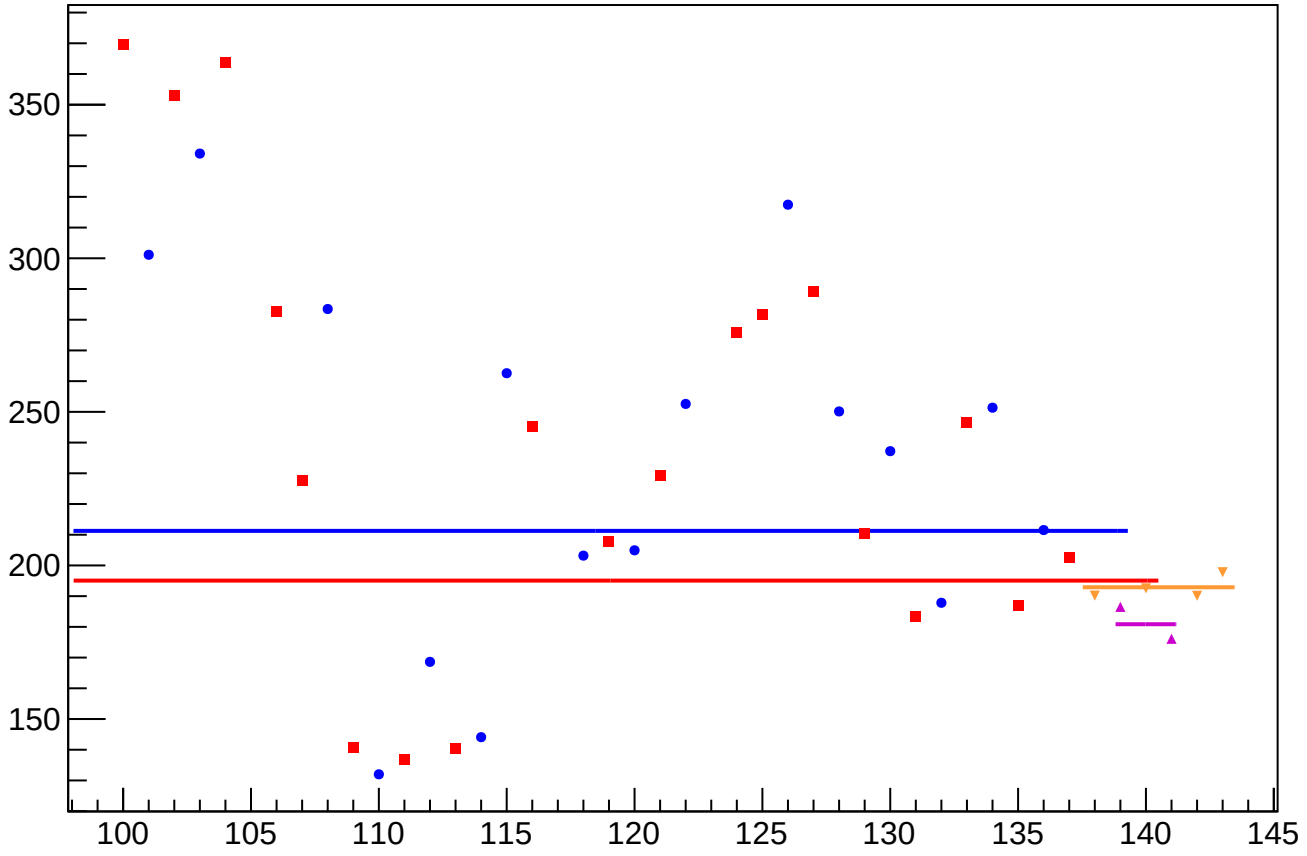
Left In: 628.213+/-138.813 χ^2/NDF:13.2/1

+ sign 422.438+/-67.164 χ^2/NDF: 615.1/19

All: 691.127+/-47.306 χ^2/NDF: 1144.9/40

- sign 955.657+/-66.642 χ^2/NDF: 498.1/20

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 192.897+/-0.082 χ^2/NDF:1468.4/3

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

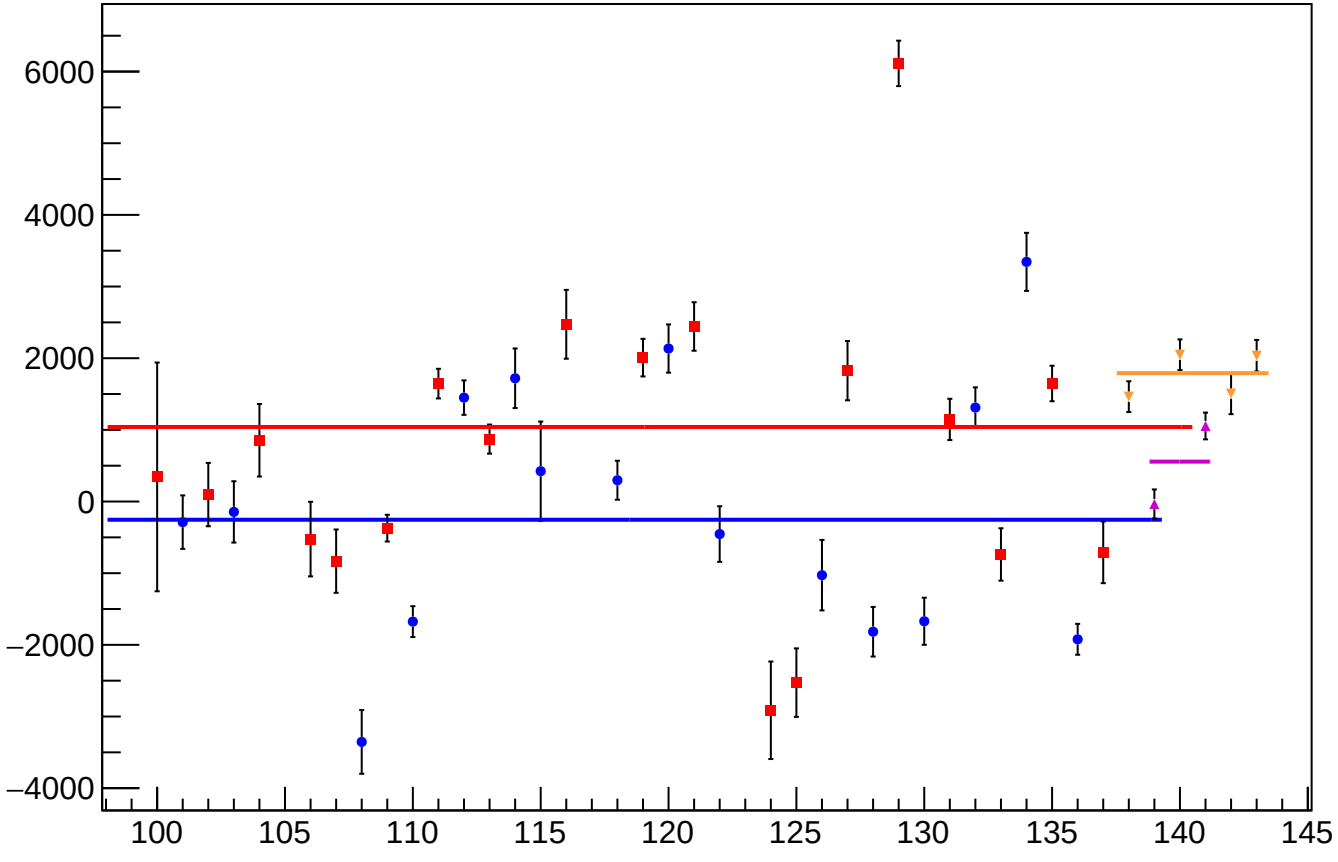
Left In: 180.861+/-0.098 χ^2/NDF:2781.9/1

+ sign 205.066+/-0.047 χ^2/NDF: 919215.2/19

All: 198.375+/-0.033 χ^2/NDF: 2262371.4/40

- sign 191.788+/-0.047 χ^2/NDF: 1303768.0/20

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1791.497+/-114.521 χ^2/NDF:6.0/3

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

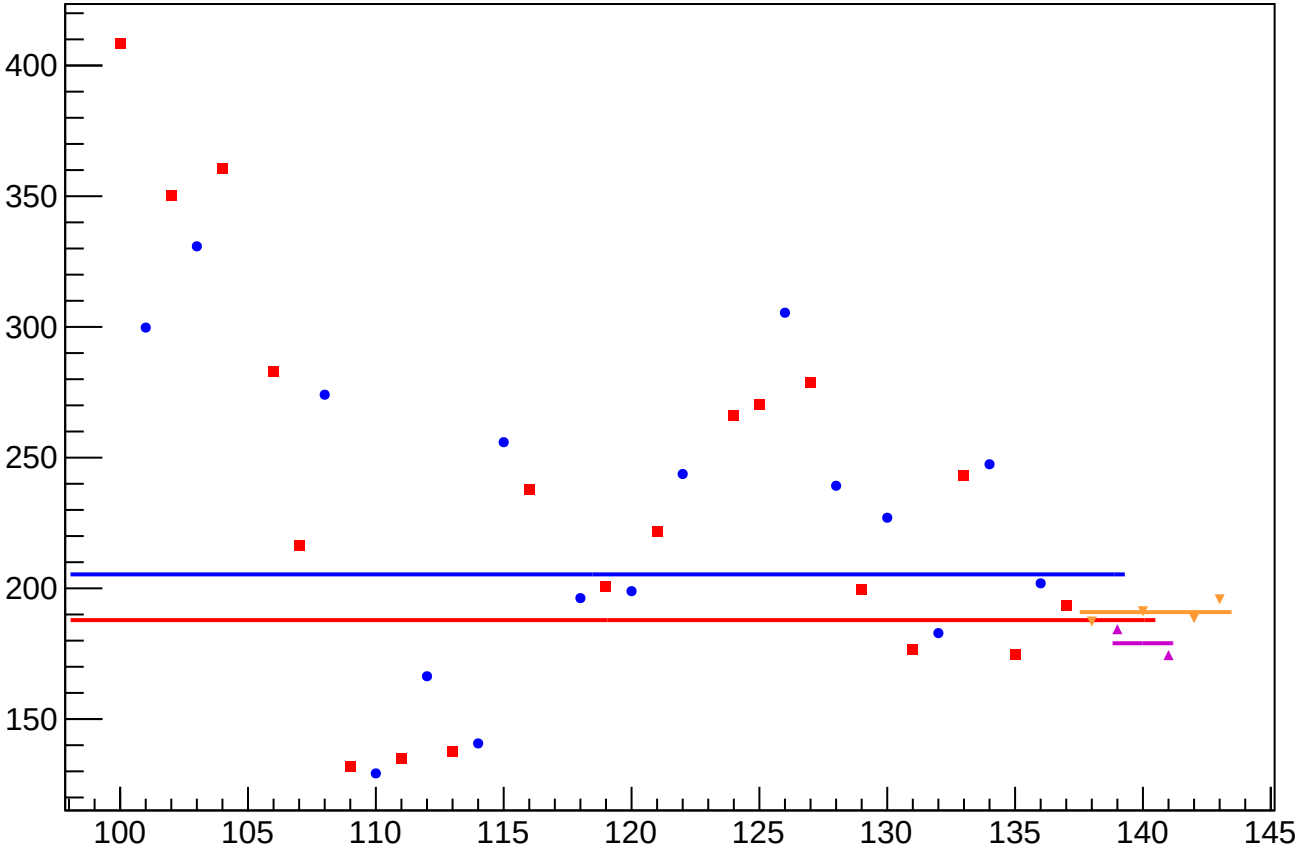
Left In: 556.760+/-137.417 χ^2/NDF:15.6/1

+ sign 419.302+/-65.705 χ^2/NDF: 652.1/19

All: 680.090+/-46.107 χ^2/NDF: 1241.7/40

- sign 933.097+/-64.718 χ^2/NDF: 558.6/20

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 190.909+/-0.081 χ^2/NDF:1690.0/3

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

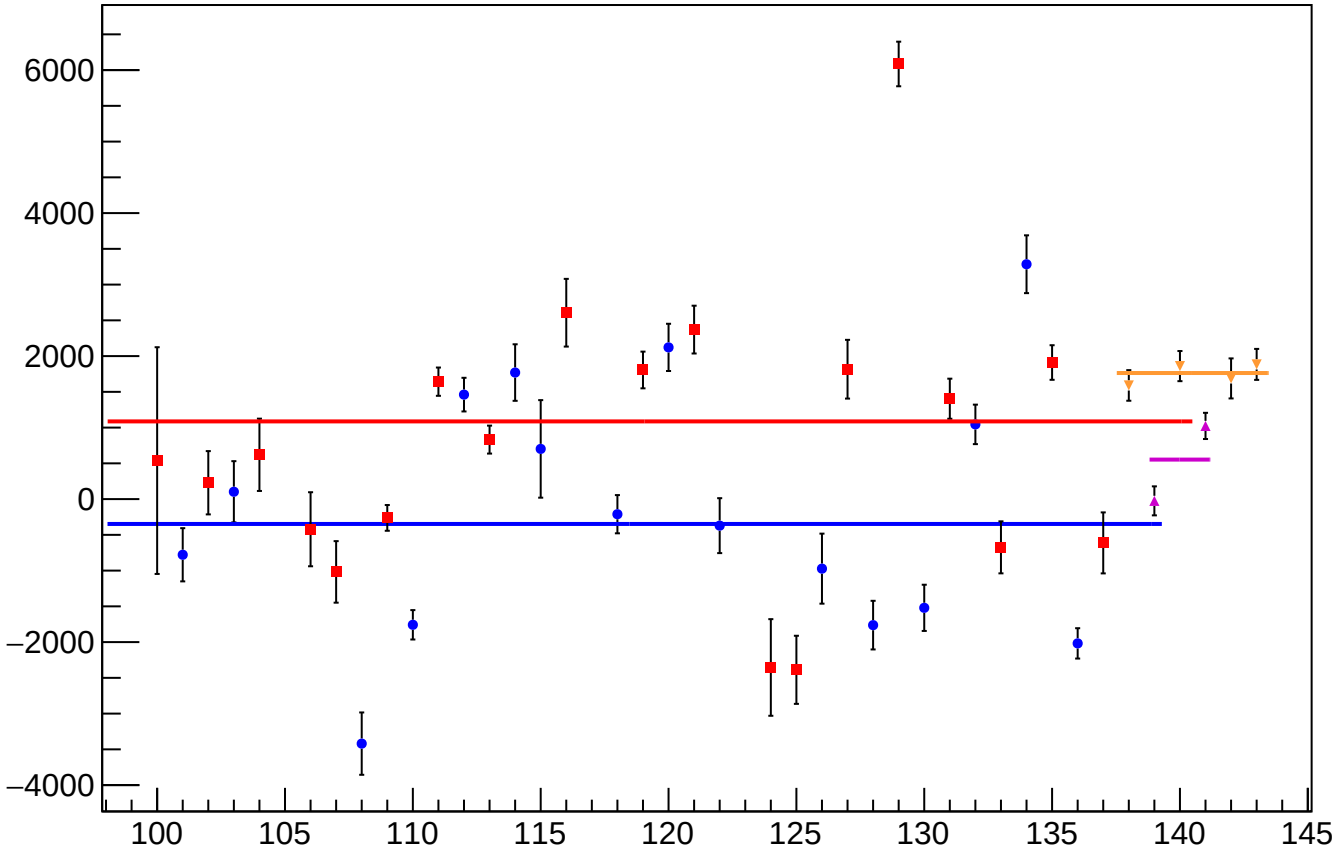
Left In: 179.005+/-0.097 χ^2/NDF:2579.3/1

+ sign 200.591+/-0.046 χ^2/NDF: 900396.1/19

All: 193.127+/-0.033 χ^2/NDF: 2297307.2/40

- sign 185.887+/-0.046 χ^2/NDF: 1346074.3/20

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1763.328+/-112.928 χ^2/NDF:1.3/3

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

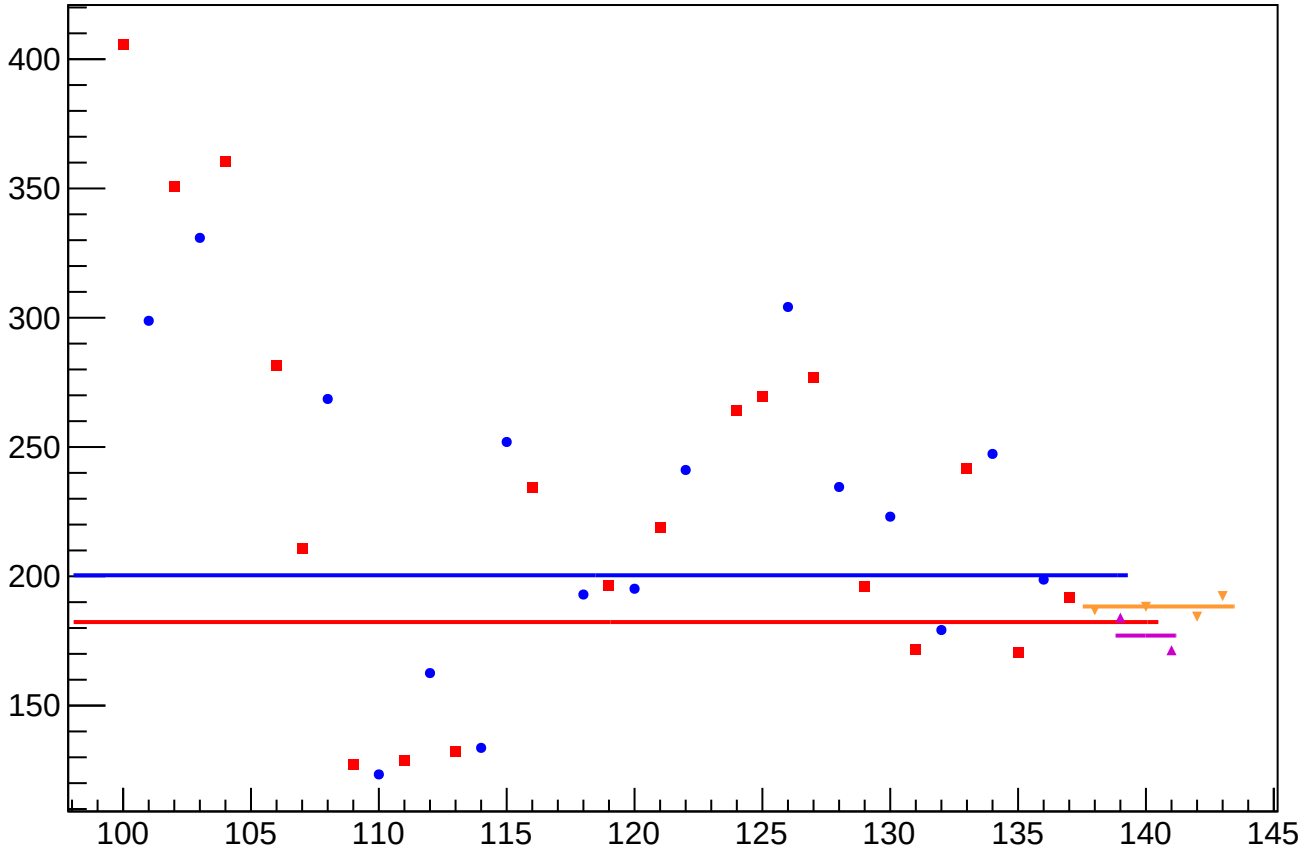
Left In: 552.554+/-135.960 χ^2/NDF:14.7/1

+ sign 340.861+/-64.494 χ^2/NDF: 682.5/19

All: 661.683+/-45.180 χ^2/NDF: 1285.1/40

- sign 970.832+/-63.310 χ^2/NDF: 554.0/20

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 188.324+/-0.080 χ^2/NDF:1180.2/3

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

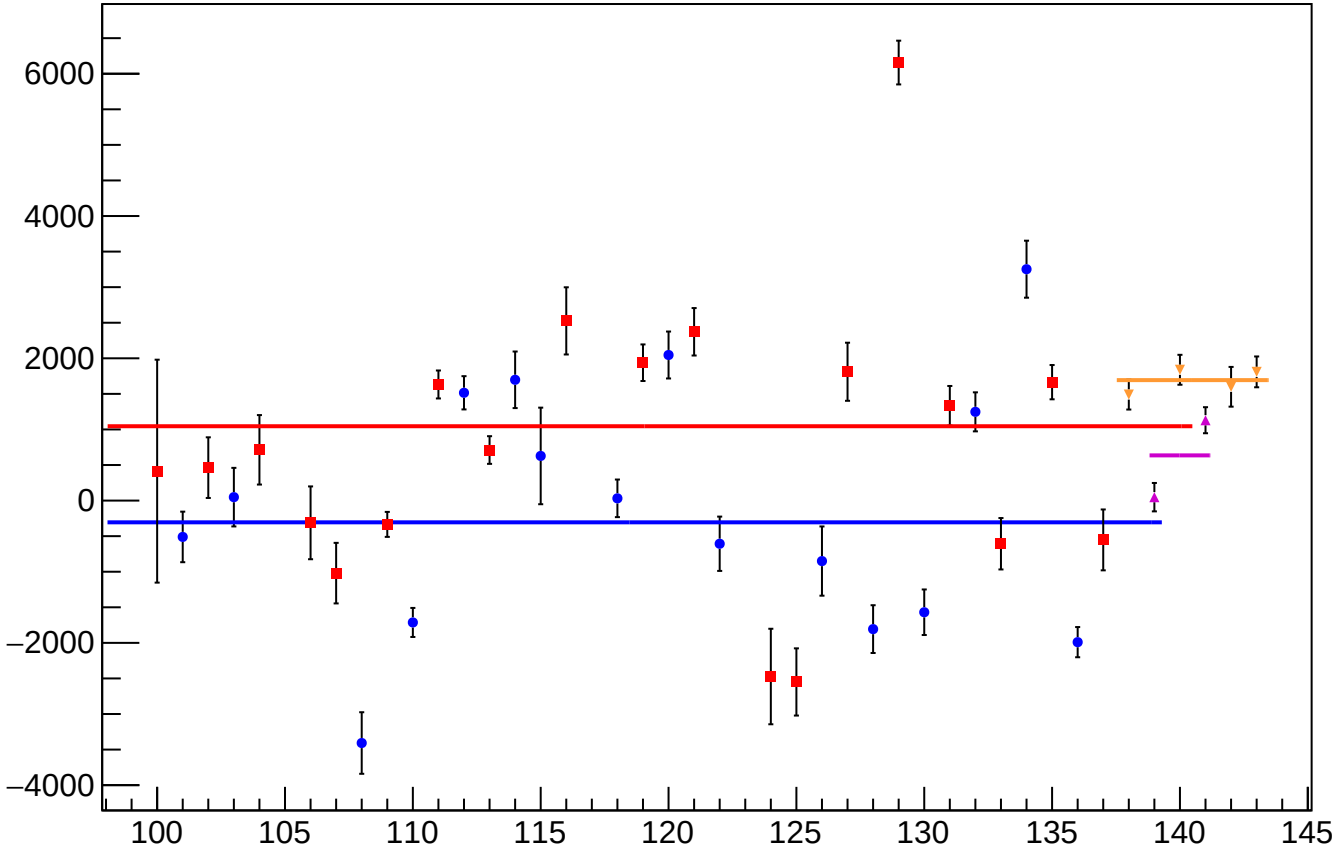
Left In: 177.073+/-0.096 χ^2/NDF:4234.2/1

+ sign 196.460+/-0.046 χ^2/NDF: 975589.0/19

All: 188.672+/-0.032 χ^2/NDF: 2486603.2/40

- sign 181.168+/-0.045 χ^2/NDF: 1453747.8/20

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1693.274+/-112.340 χ^2/NDF:1.8/3

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

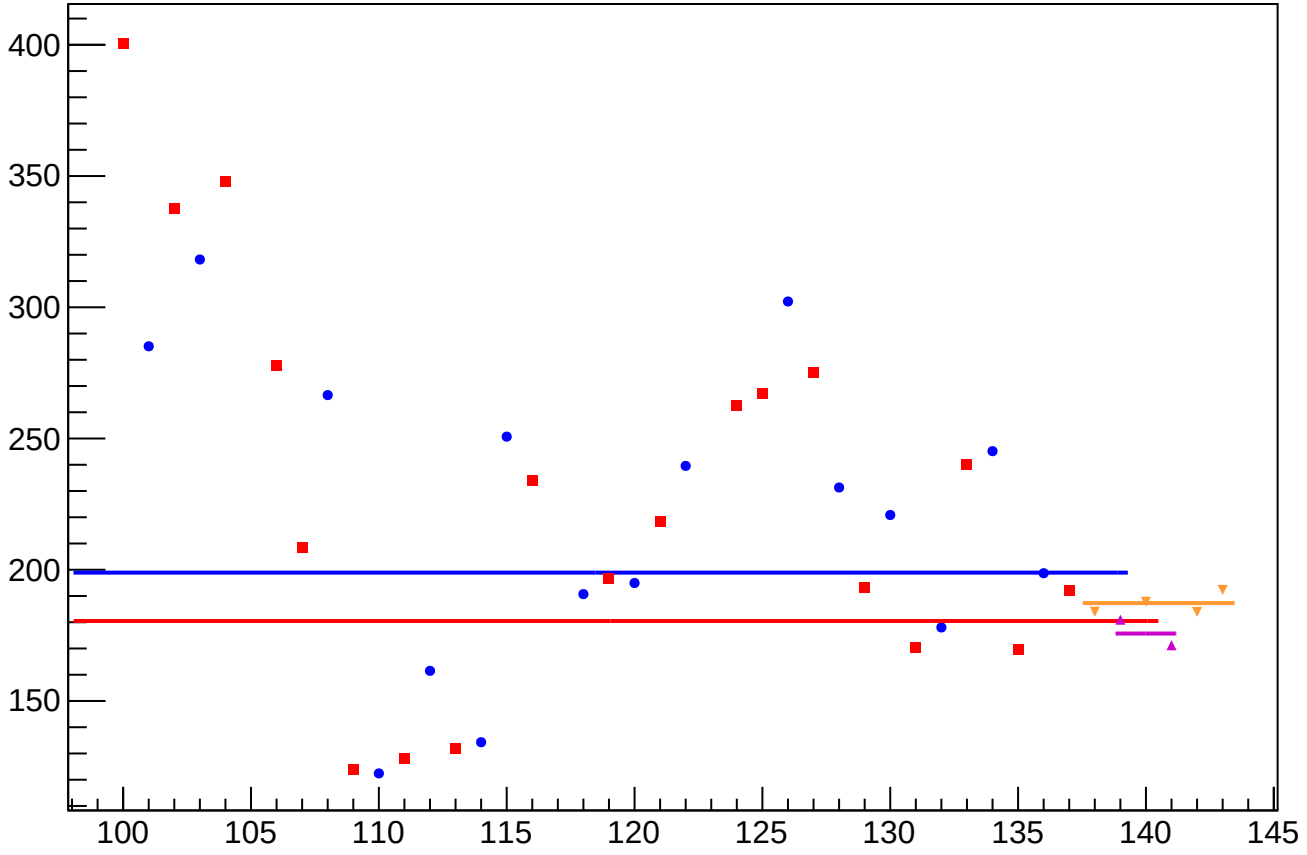
Left In: 635.413+/-134.930 χ^2/NDF:15.9/1

+ sign 343.066+/-63.998 χ^2/NDF: 667.5/19

All: 656.089+/-44.791 χ^2/NDF: 1289.7/40

- sign 956.642+/-62.710 χ^2/NDF: 575.3/20

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 187.308+/-0.079 χ^2/NDF:1860.6/3

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

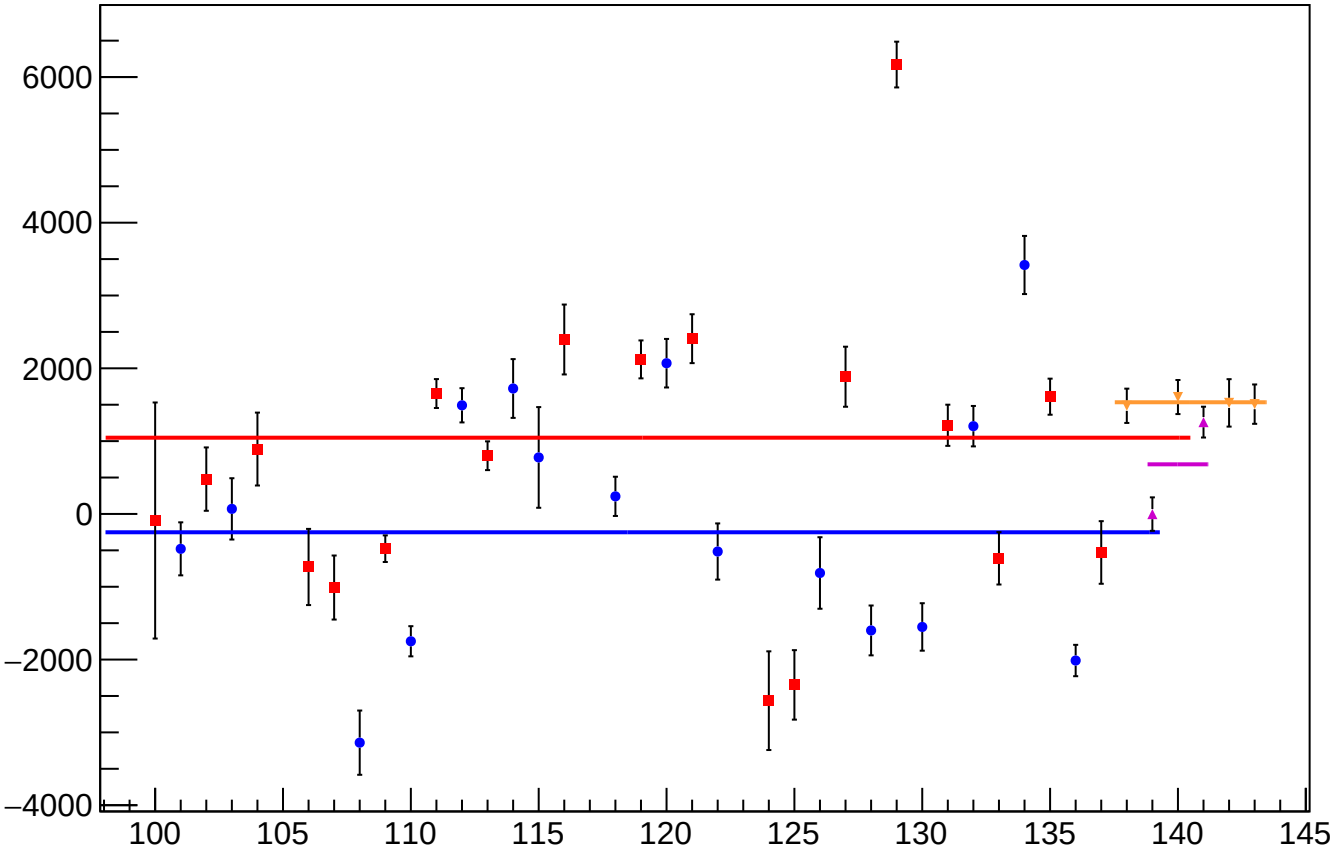
Left In: 175.694+/-0.095 χ^2/NDF:2578.7/1

+ sign 195.140+/-0.045 χ^2/NDF: 929017.1/19

All: 187.131+/-0.032 χ^2/NDF: 2429397.2/40

- sign 179.441+/-0.044 χ^2/NDF: 1438981.1/20

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1533.799+/-129.755 χ^2/NDF:0.1/3

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

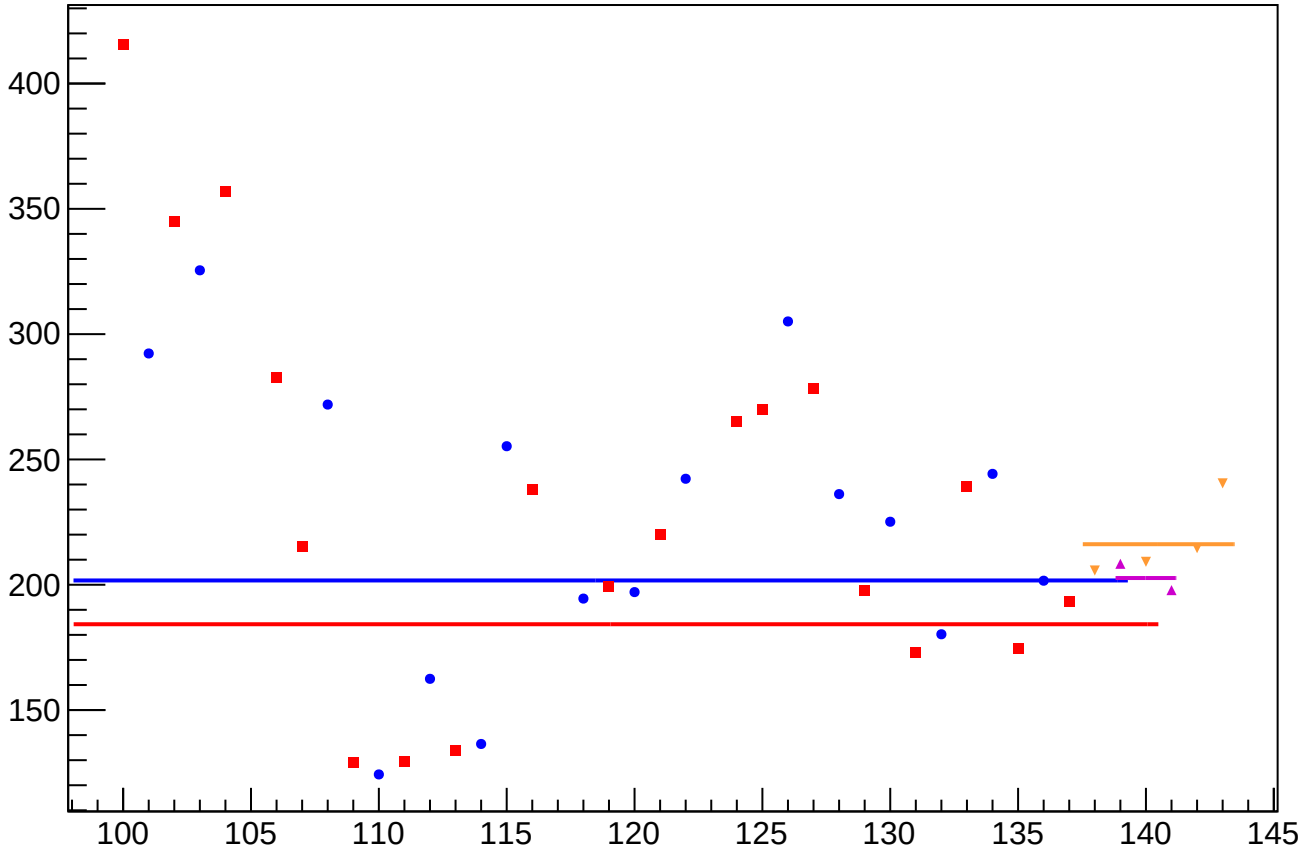
Left In: 681.521+/-155.693 χ^2/NDF:16.3/1

+ sign 230.867+/-67.461 χ^2/NDF: 579.6/19

All: 617.780+/-46.991 χ^2/NDF: 1211.1/40

- sign 982.439+/-65.492 χ^2/NDF: 567.6/20

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 216.178+/-0.092 χ^2/NDF:21952.7/3

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

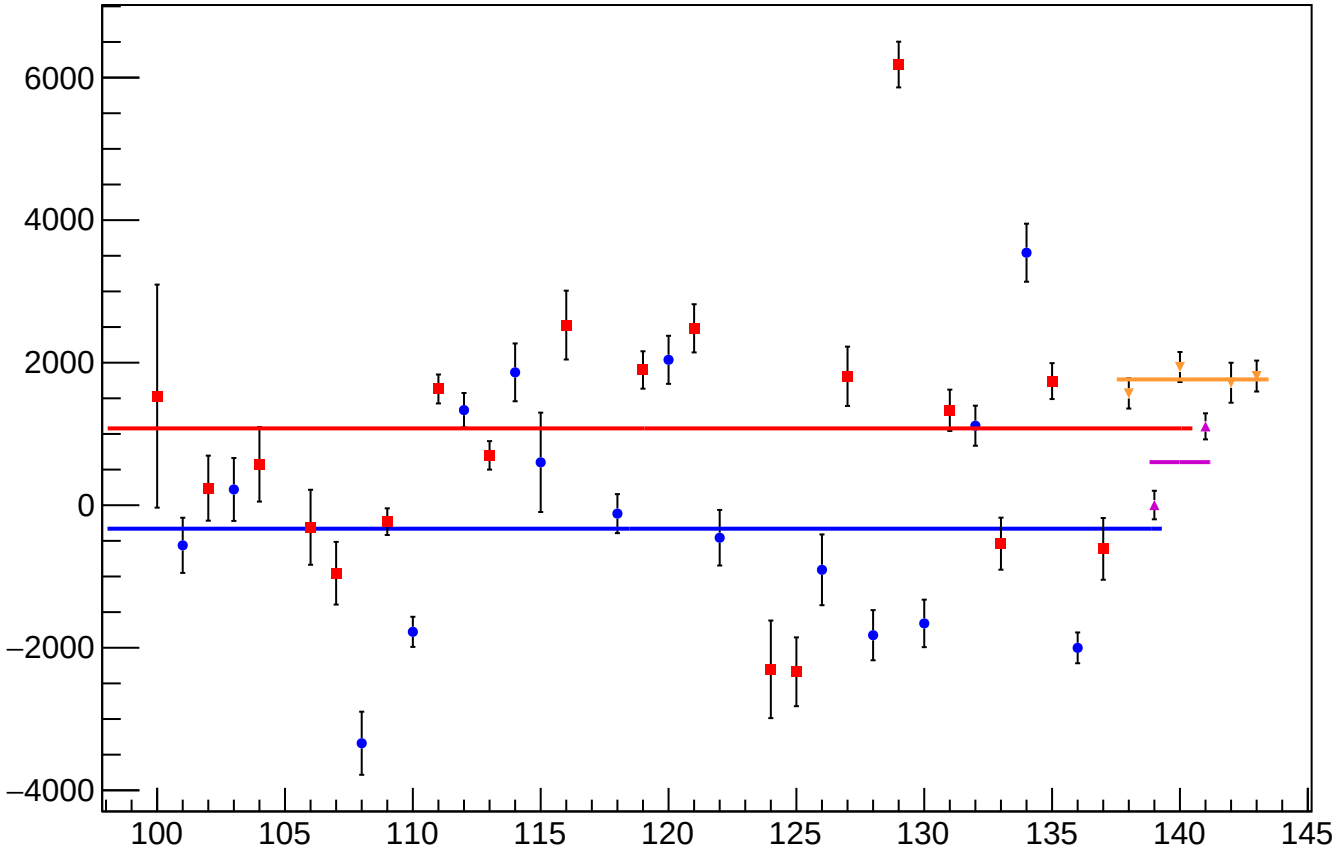
Left In: 202.685+/-0.110 χ^2/NDF:2264.4/1

+ sign 205.623+/-0.048 χ^2/NDF: 964297.5/19

All: 196.297+/-0.033 χ^2/NDF: 2467669.4/40

- sign 187.507+/-0.046 χ^2/NDF: 1429119.5/20

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1764.864+/-112.633 χ^2/NDF:1.6/3

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

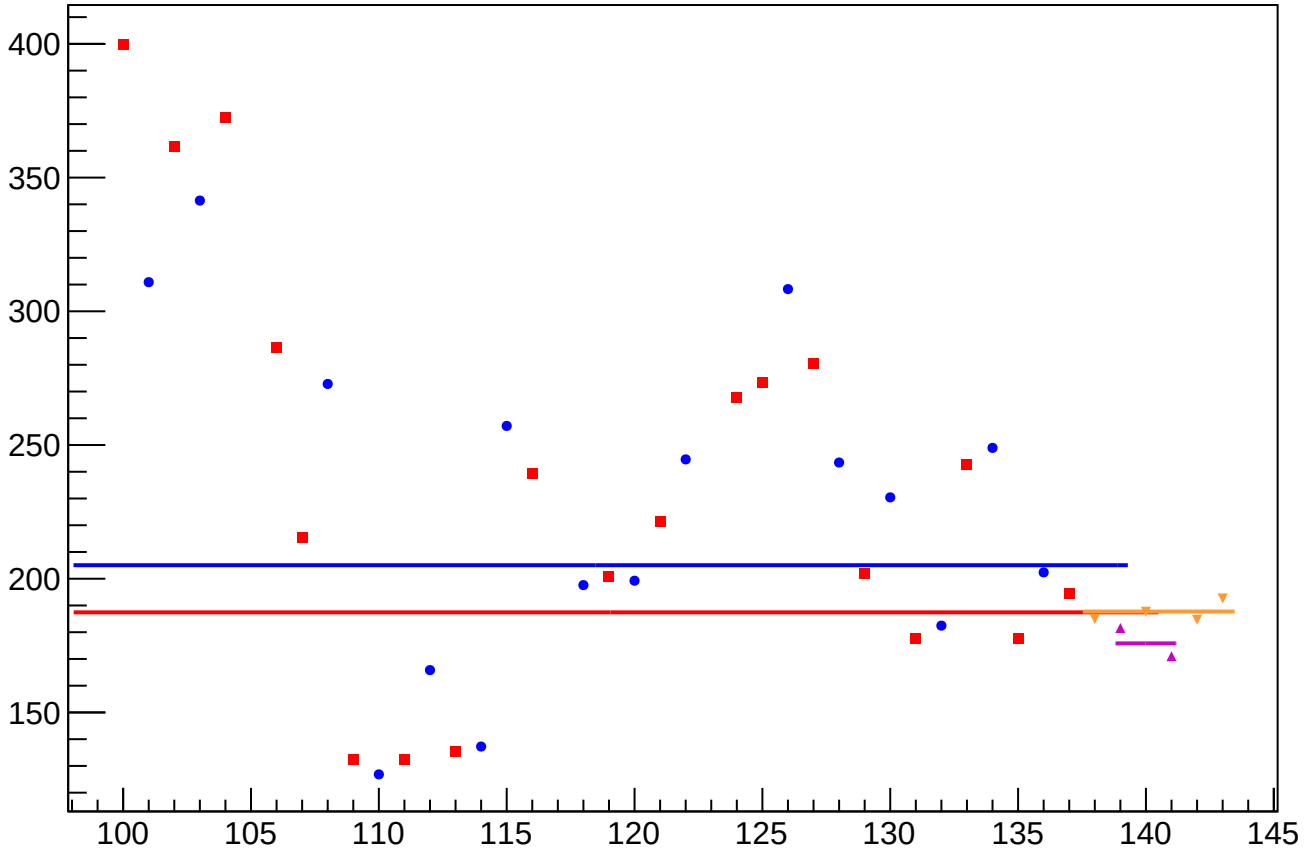
Left In: 604.636+/-135.031 χ^2/NDF:16.6/1

+ sign 377.143+/-65.421 χ^2/NDF: 667.1/19

All: 677.777+/-45.927 χ^2/NDF: 1236.8/40

- sign 969.928+/-64.491 χ^2/NDF: 528.0/20

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 187.727+/-0.080 χ^2/NDF:1605.9/3

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

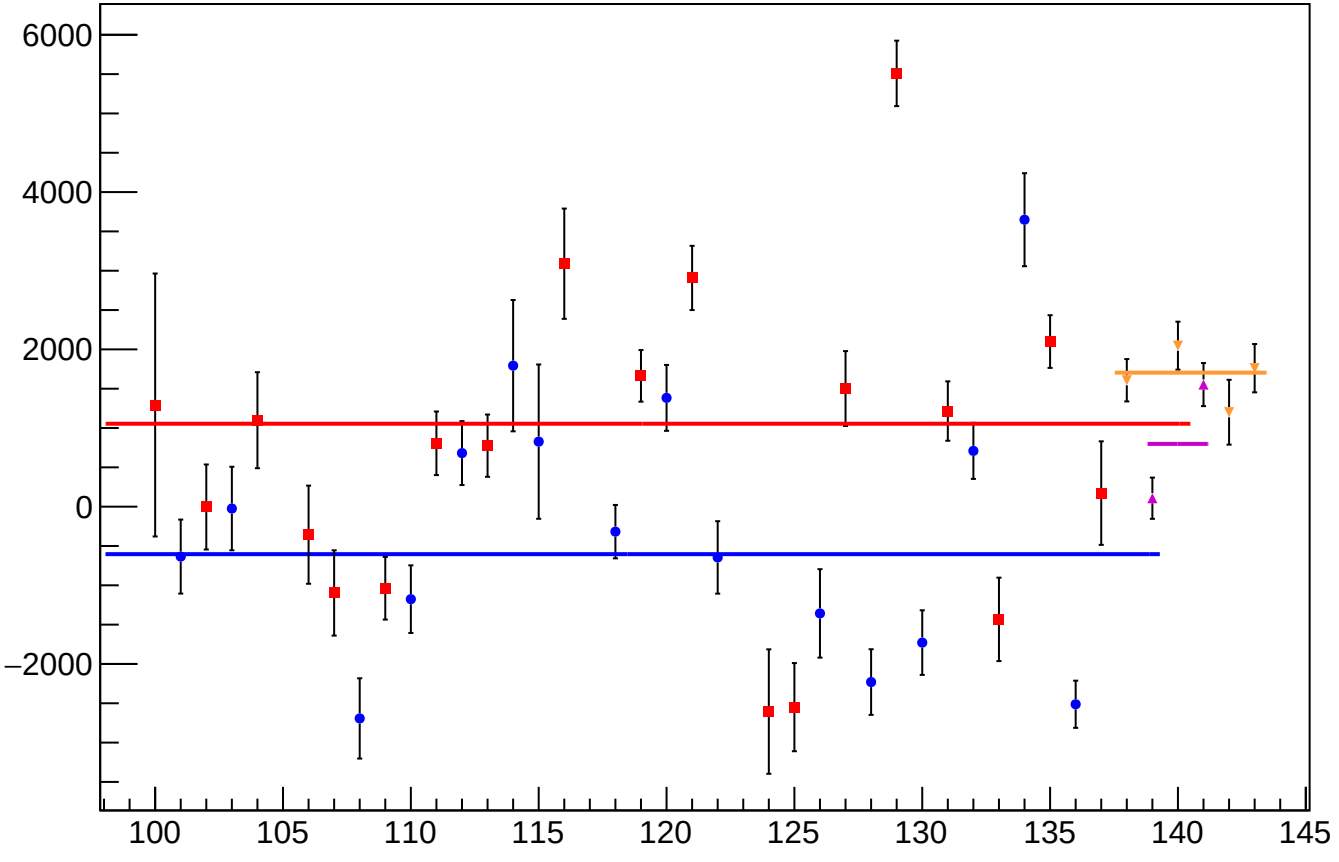
Left In: 175.826+/-0.095 χ^2/NDF:3026.7/1

+ sign 199.208+/-0.046 χ^2/NDF: 996017.1/19

All: 191.893+/-0.032 χ^2/NDF: 2470555.8/40

- sign 184.784+/-0.046 χ^2/NDF: 1425233.0/20

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1703.983+/-156.096 χ^2/NDF:2.9/3

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

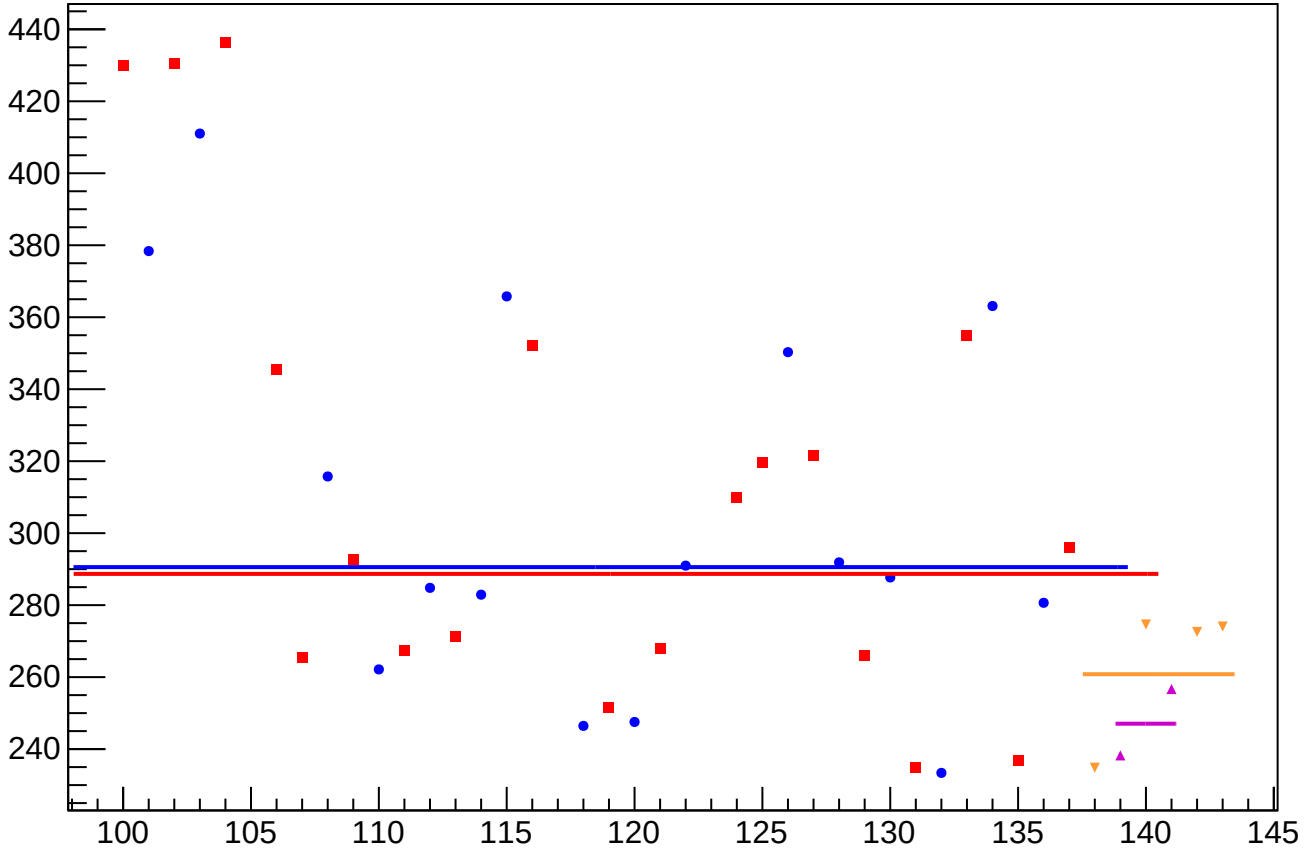
Left In: 797.987+/-189.368 χ^2/NDF:14.5/1

+ sign 168.359+/-90.294 χ^2/NDF: 341.9/19

All: 563.367+/-65.114 χ^2/NDF: 695.4/40

- sign 991.354+/-93.988 χ^2/NDF: 313.6/20

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 260.809+/-0.110 χ^2/NDF:28075.8/3

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

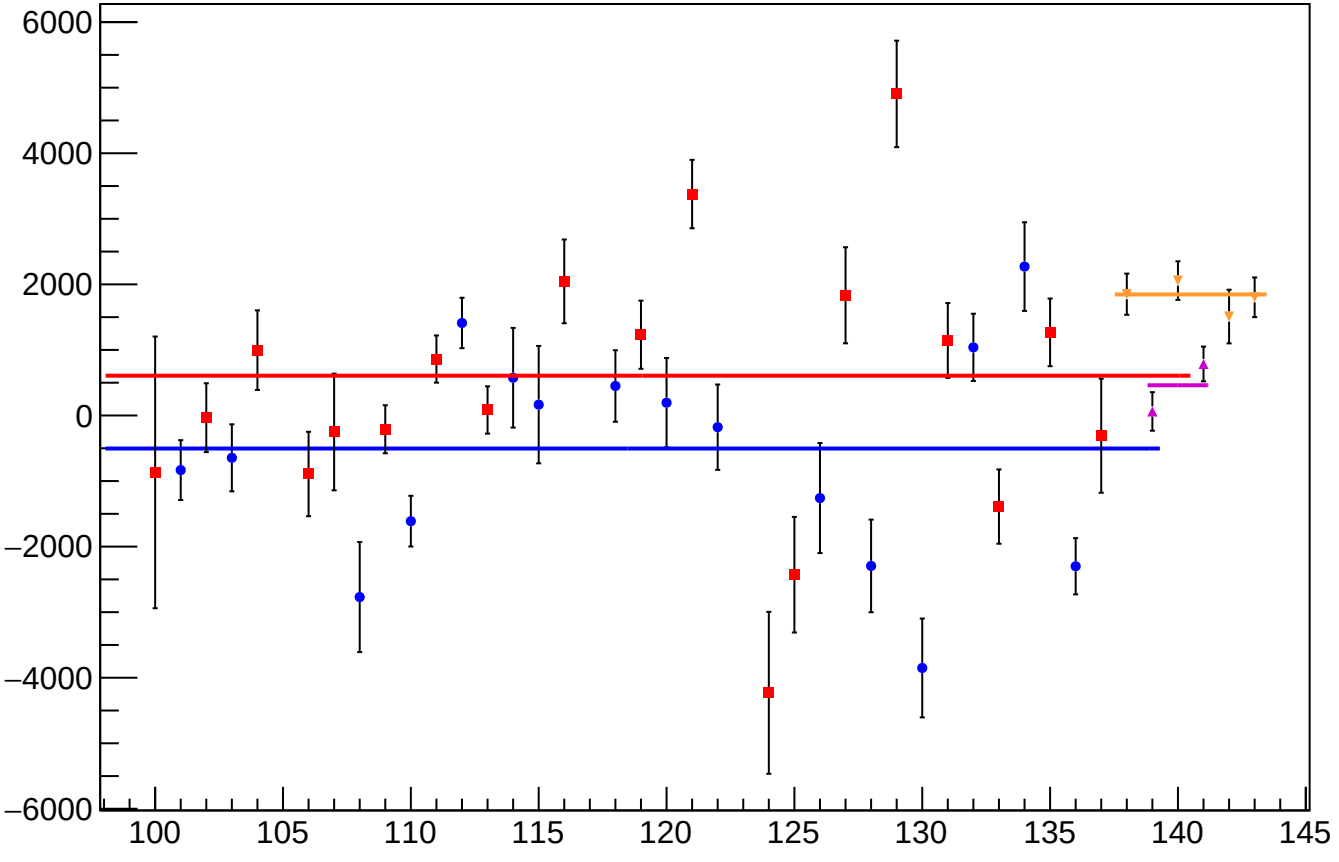
Left In: 247.061+/-0.134 χ^2/NDF:4724.7/1

+ sign 280.609+/-0.064 χ^2/NDF: 436244.7/19

All: 279.564+/-0.046 χ^2/NDF: 1003450.0/40

- sign 278.432+/-0.066 χ^2/NDF: 566647.2/20

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1846.239+/-161.043 χ^2/NDF:1.2/3

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

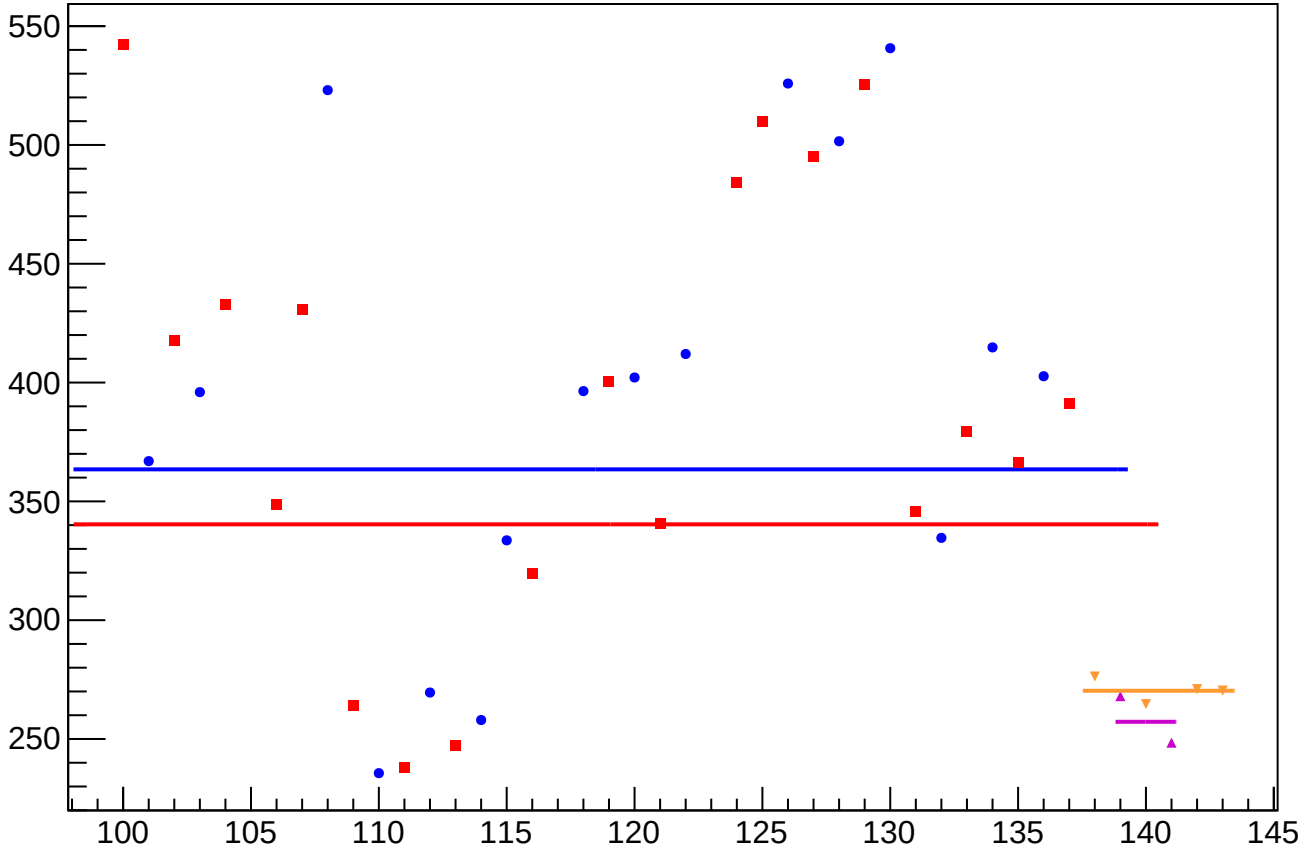
Left In: 461.028+/-196.788 χ^2/NDF:3.4/1

+ sign 508.297+/-105.682 χ^2/NDF: 240.7/19

All: 534.874+/-75.617 χ^2/NDF: 369.7/40

- sign 562.754+/-108.241 χ^2/NDF: 128.9/20

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 270.304+/-0.114 χ^2/NDF:1464.4/3

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

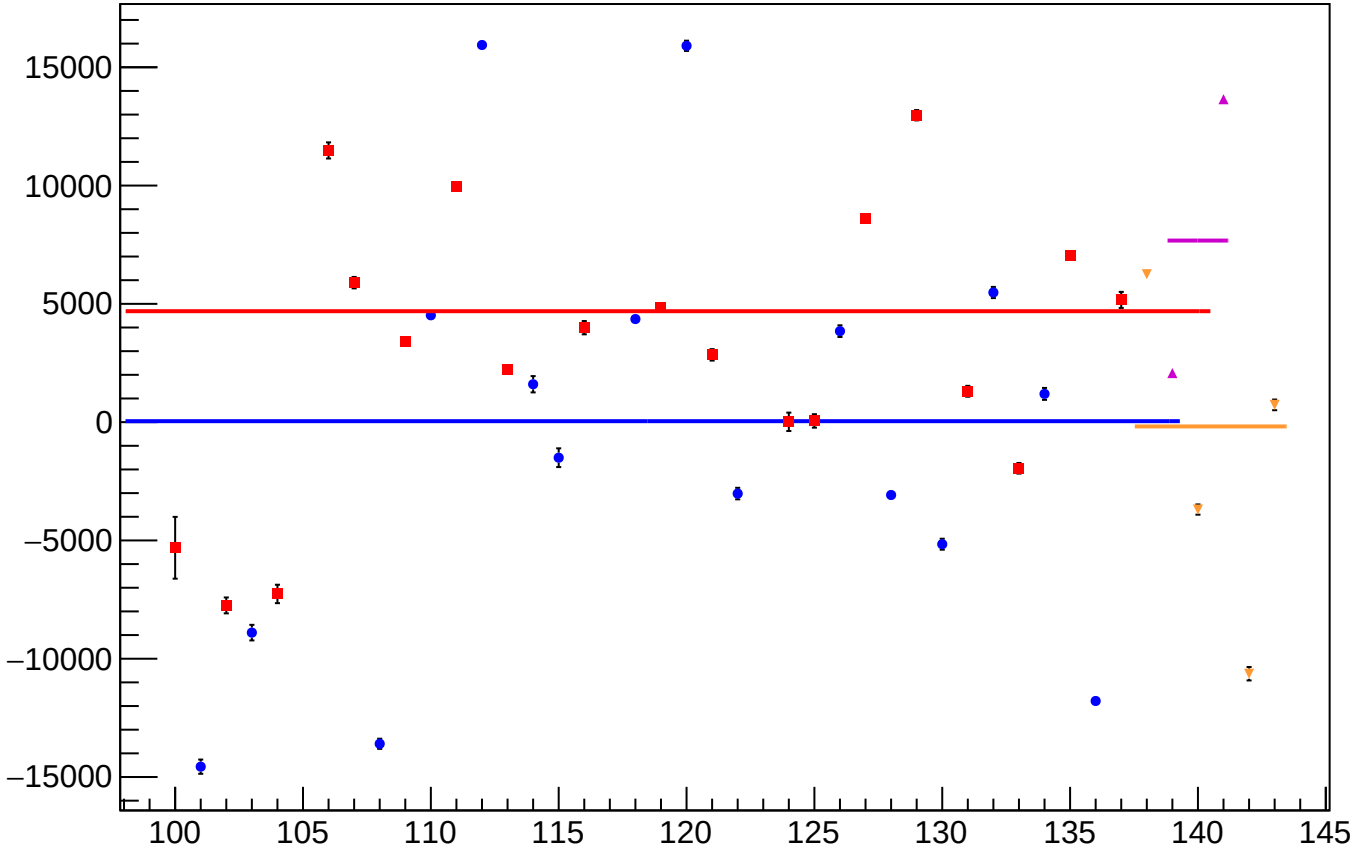
Left In: 257.238+/-0.139 χ^2/NDF:4891.3/1

+ sign 323.349+/-0.075 χ^2/NDF: 1163476.4/19

All: 319.368+/-0.053 χ^2/NDF: 2279120.3/40

- sign 315.193+/-0.077 χ^2/NDF: 1109829.4/20

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -181.800+/-110.270 χ^2/NDF:2824.5/3

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

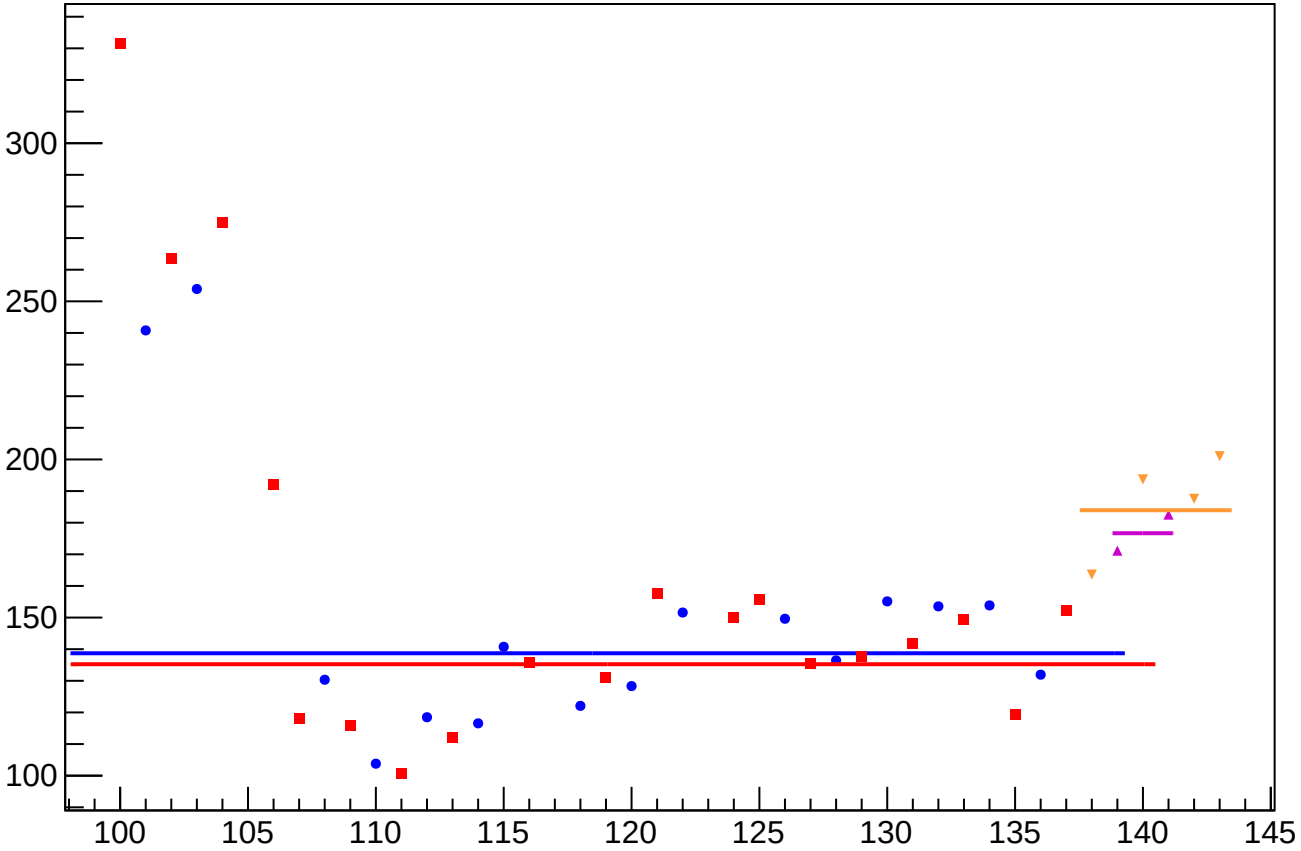
Left In: 7675.269+/-135.766 χ^2/NDF:1815.7/1

+ sign -2.420+/-48.641 χ^2/NDF: 33614.1/19

All: 2535.405+/-34.393 χ^2/NDF: 49090.9/40

- sign 5072.874+/-48.637 χ^2/NDF: 10032.9/20

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 183.941+/-0.078 χ^2/NDF:39822.2/3

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

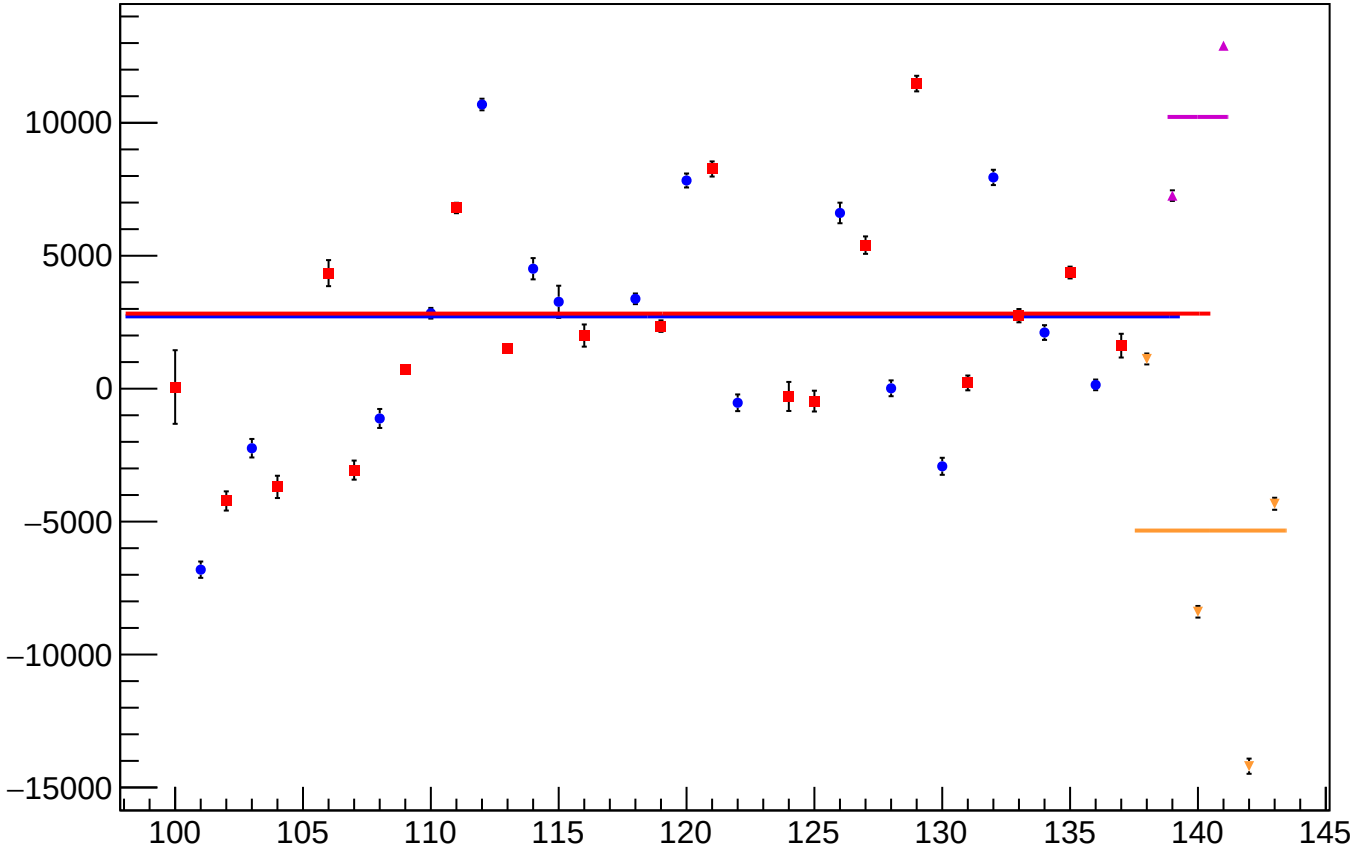
Left In: 176.672+/-0.096 χ^2/NDF:3527.2/1

+ sign 147.513+/-0.034 χ^2/NDF: 968623.5/19

All: 144.037+/-0.024 χ^2/NDF: 2044913.2/40

- sign 140.562+/-0.034 χ^2/NDF: 1055868.3/20

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5336.550+/-114.430 χ^2/NDF:2165.0/3

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

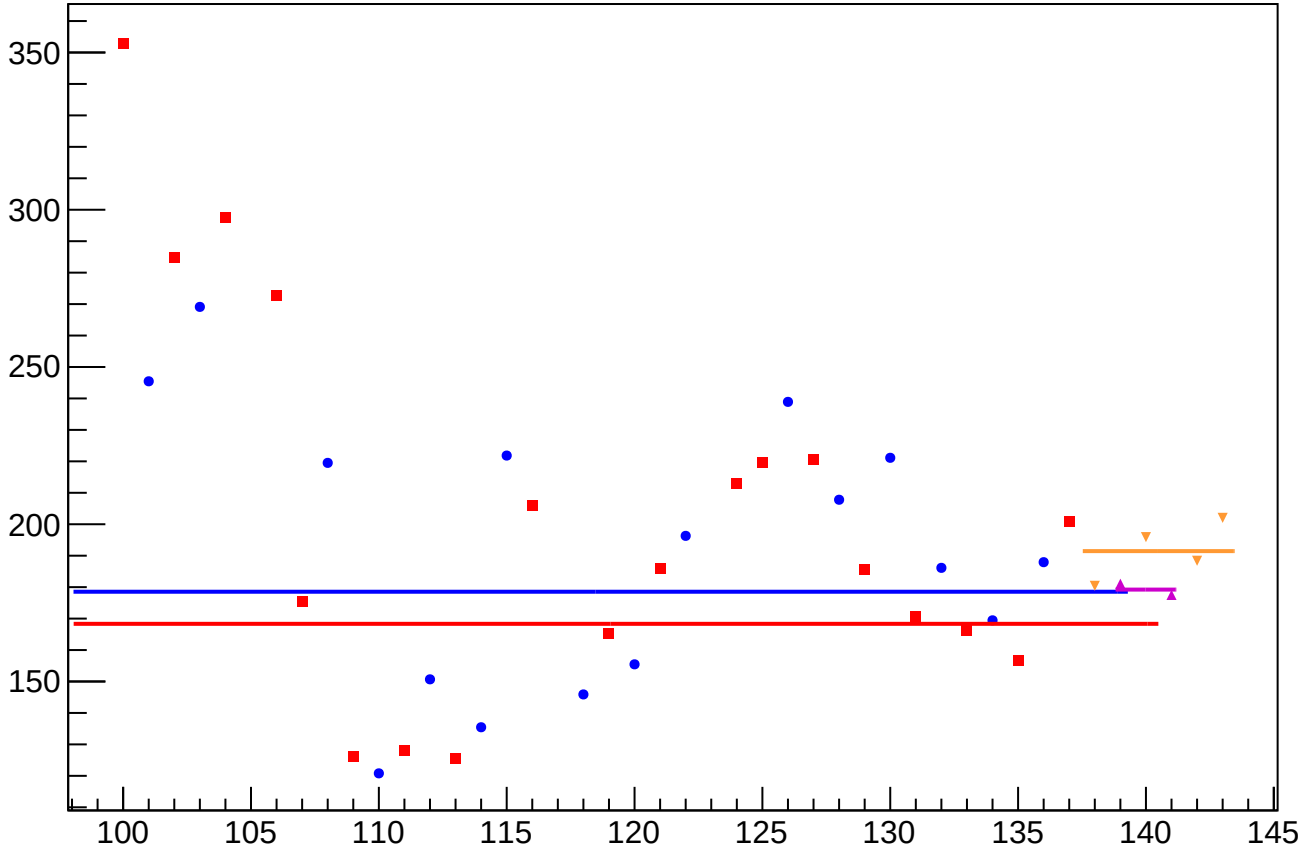
Left In: 10221.655+/-137.394 χ^2/NDF:420.1/1

+ sign 560.426+/-59.244 χ^2/NDF: 9922.5/19

All: 2384.313+/-41.679 χ^2/NDF: 17652.9/40

- sign 4171.552+/-58.646 χ^2/NDF: 5853.9/20

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 191.455+/-0.081 χ^2/NDF:11182.8/3

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

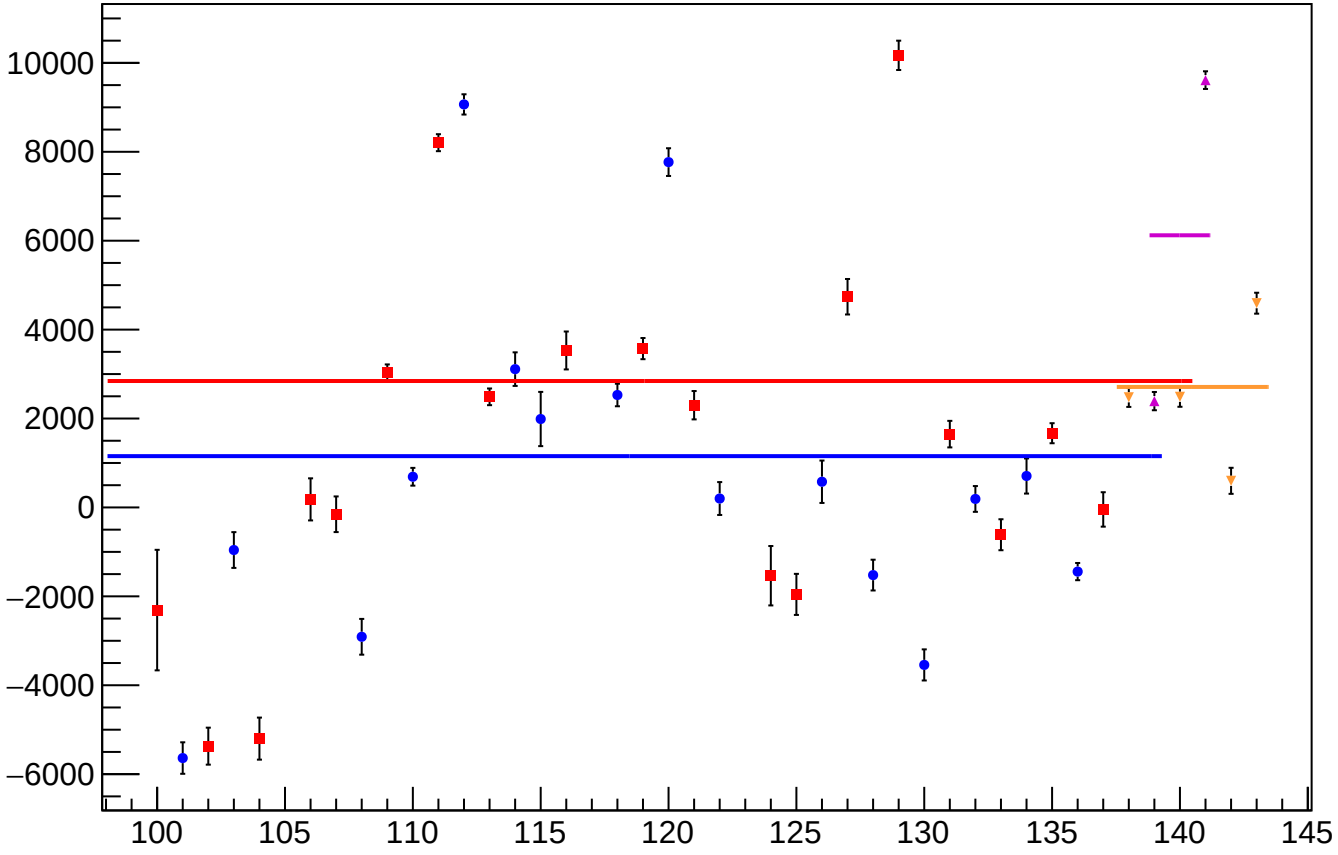
Left In: 179.221+/-0.097 χ^2/NDF:336.9/1

+ sign 182.002+/-0.042 χ^2/NDF: 704392.5/19

All: 176.101+/-0.029 χ^2/NDF: 1733775.7/40

- sign 170.318+/-0.041 χ^2/NDF: 990090.5/20

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2710.363+/-118.765 χ^2/NDF:118.1/3

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

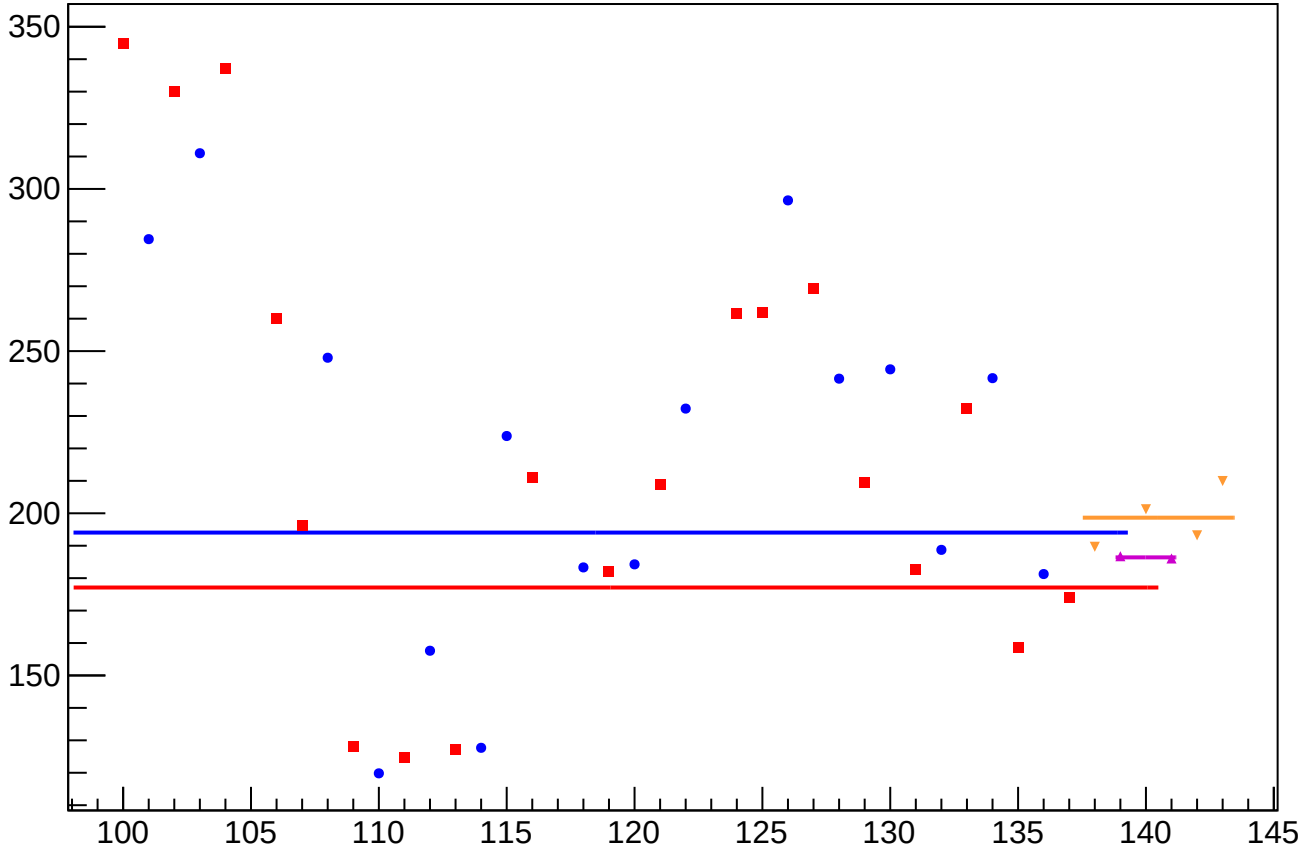
Left In: 6121.840+/-142.841 χ^2/NDF:638.2/1

+ sign 1605.677+/-63.989 χ^2/NDF: 2895.4/19

All: 2561.775+/-44.613 χ^2/NDF: 6847.8/40

- sign 3466.094+/-62.232 χ^2/NDF: 3518.0/20

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 198.647+/-0.084 χ^2/NDF:9005.0/3

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

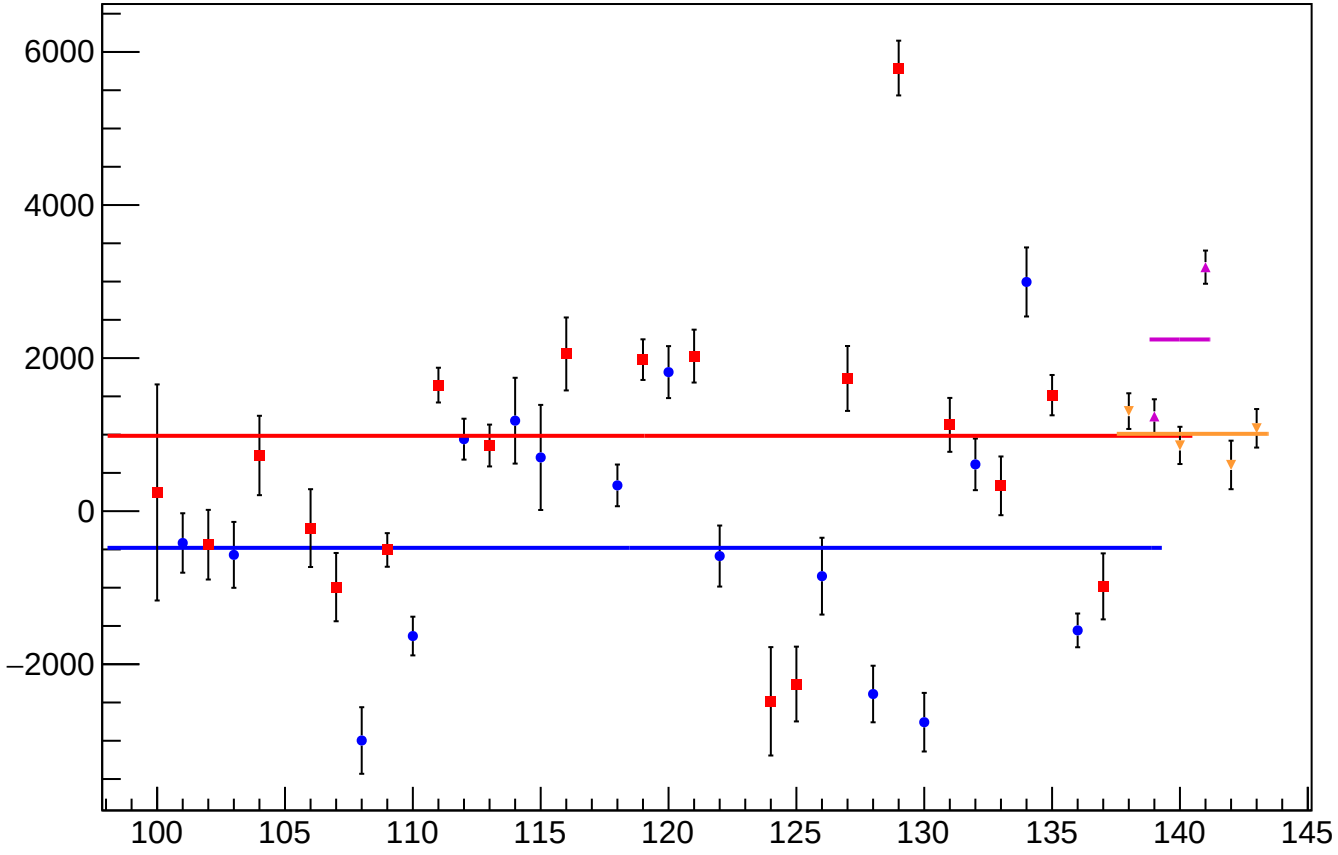
Left In: 186.407+/-0.101 χ^2/NDF:11.7/1

+ sign 195.387+/-0.045 χ^2/NDF: 976915.3/19

All: 186.903+/-0.032 χ^2/NDF: 2411535.3/40

- sign 178.879+/-0.044 χ^2/NDF: 1366214.5/20

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1010.455+/-128.008 χ^2/NDF:3.7/3

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

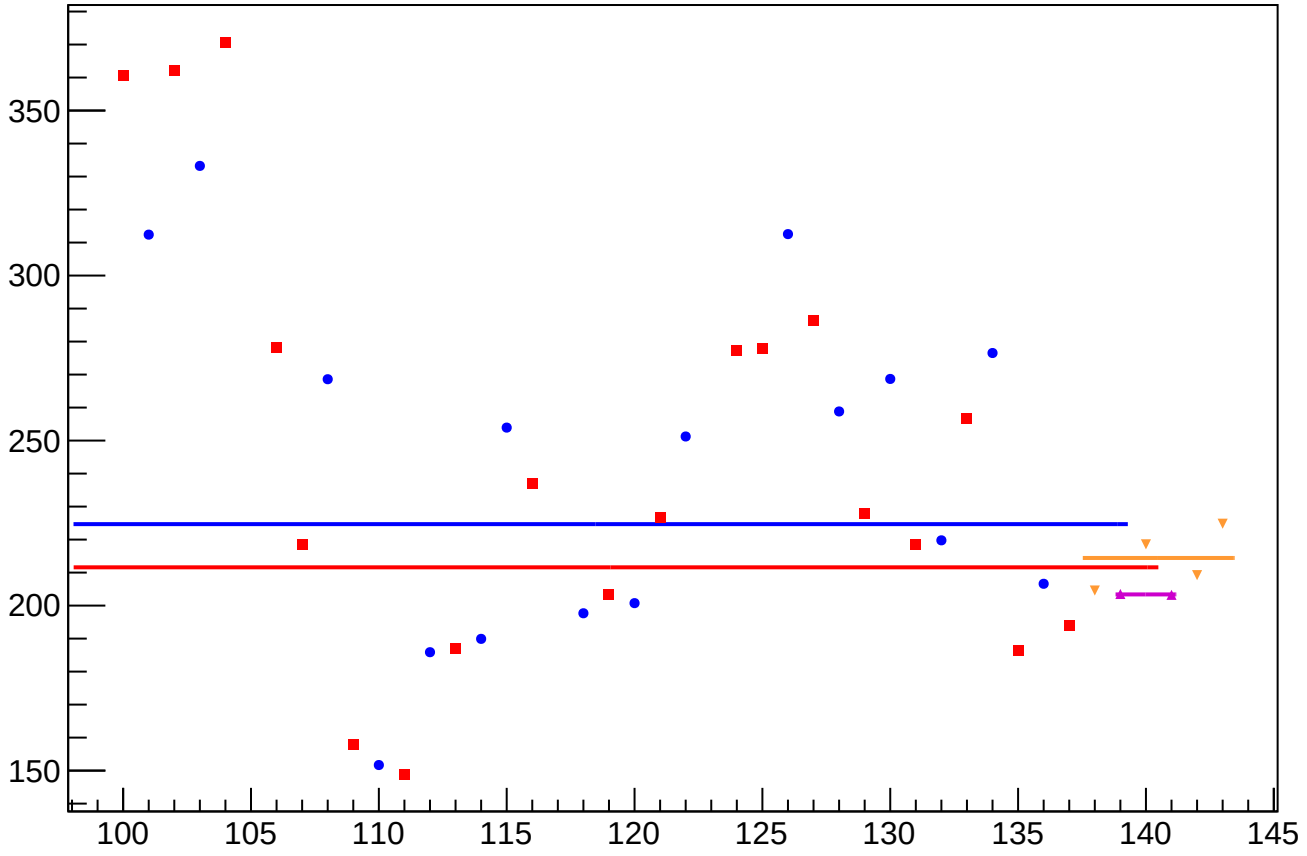
Left In: 2243.328+/-155.681 χ^2/NDF:39.2/1

+ sign -10.921+/-71.776 χ^2/NDF: 402.0/19

All: 620.367+/-50.768 χ^2/NDF: 1045.6/40

- sign 1252.390+/-71.818 χ^2/NDF: 488.8/20

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 214.431+/-0.091 χ^2/NDF:8094.6/3

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

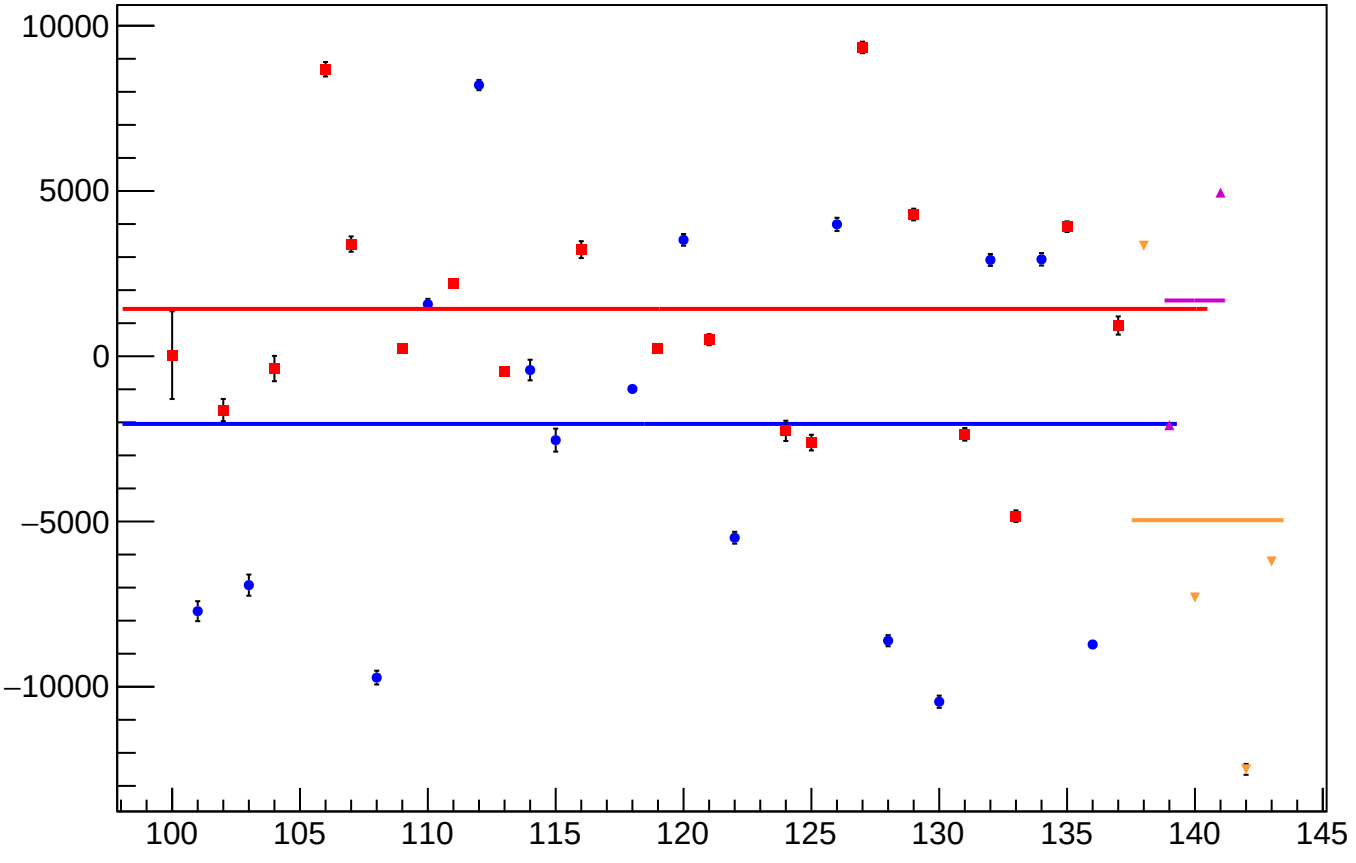
Left In: 203.386+/-0.110 χ^2/NDF:1.4/1

+ sign 221.460+/-0.051 χ^2/NDF: 670082.6/19

All: 215.657+/-0.036 χ^2/NDF: 1633520.4/40

- sign 209.848+/-0.051 χ^2/NDF: 937281.7/20

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4960.490+/-65.950 χ^2/NDF:6786.1/3

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

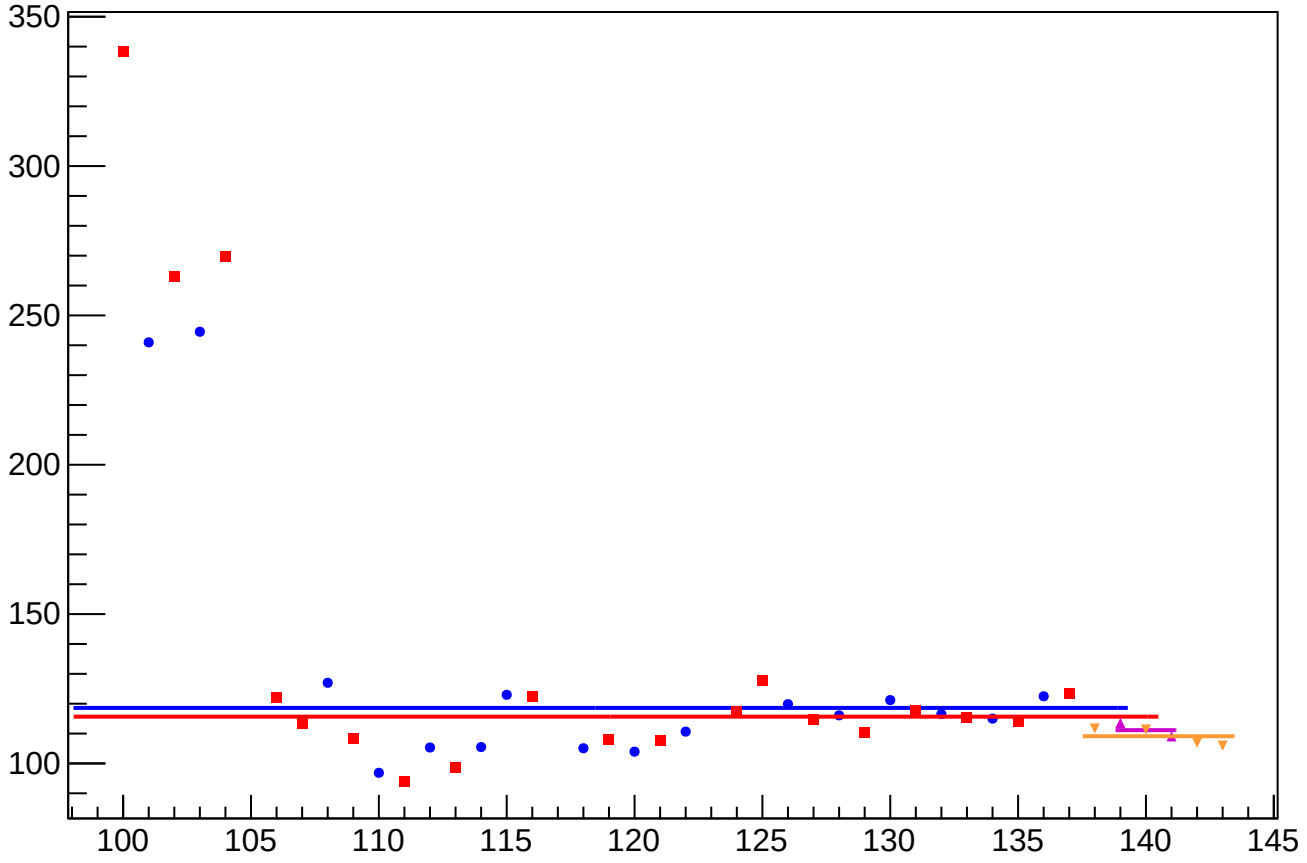
Left In: 1687.601+/-86.208 χ^2/NDF:1657.2/1

+ sign -3020.795+/-38.124 χ^2/NDF: 24794.5/19

All: -858.341+/-27.499 χ^2/NDF: 39552.9/40

- sign 1486.931+/-39.703 χ^2/NDF: 8051.8/20

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 109.113+/-0.047 χ^2/NDF:3199.0/3

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

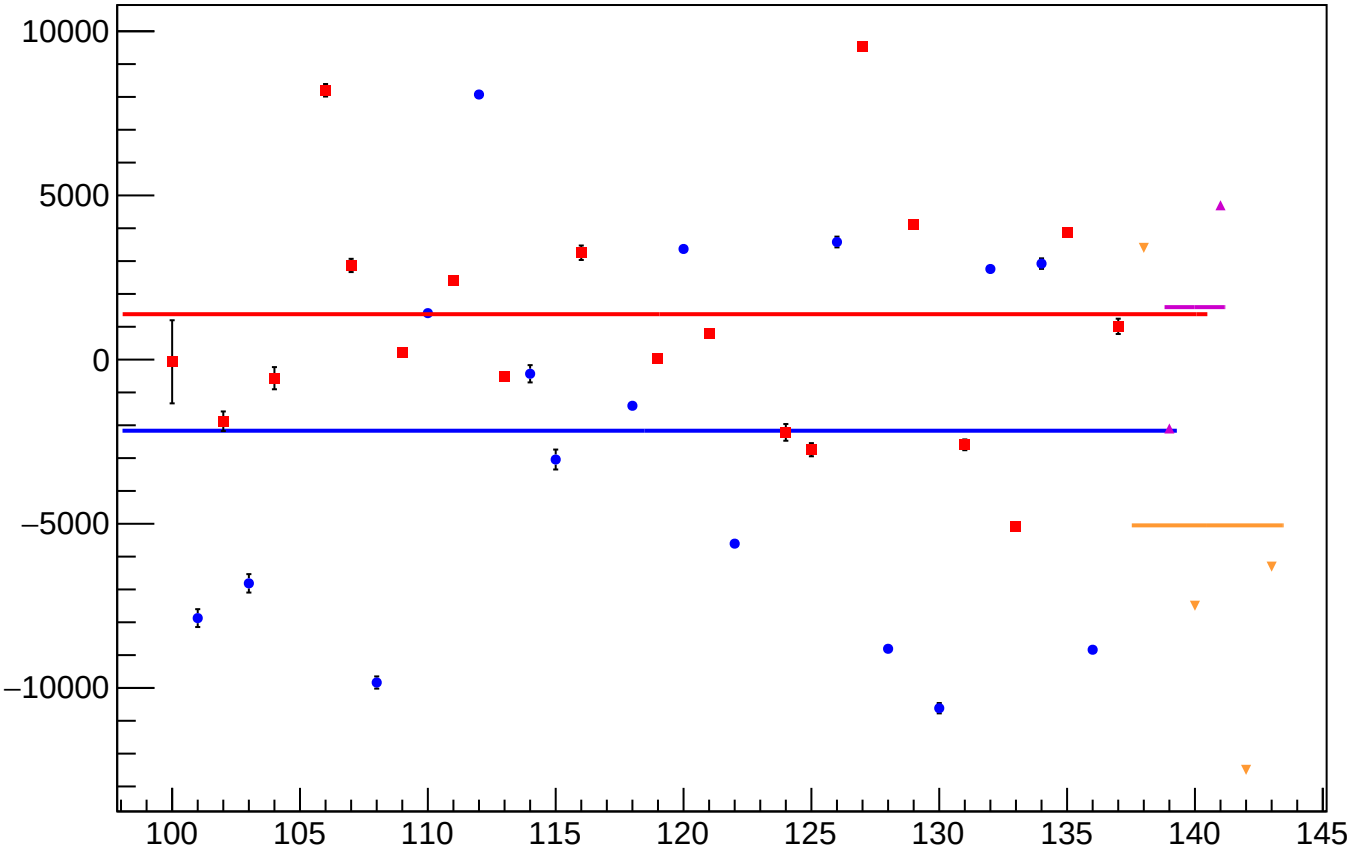
Left In: 111.146+/-0.061 χ^2/NDF:1344.8/1

+ sign 115.427+/-0.027 χ^2/NDF: 764887.8/19

All: 115.079+/-0.019 χ^2/NDF: 1635106.0/40

- sign 114.702+/-0.028 χ^2/NDF: 869871.3/20

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5048.463+/-59.696 χ^2/NDF:8332.2/3

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

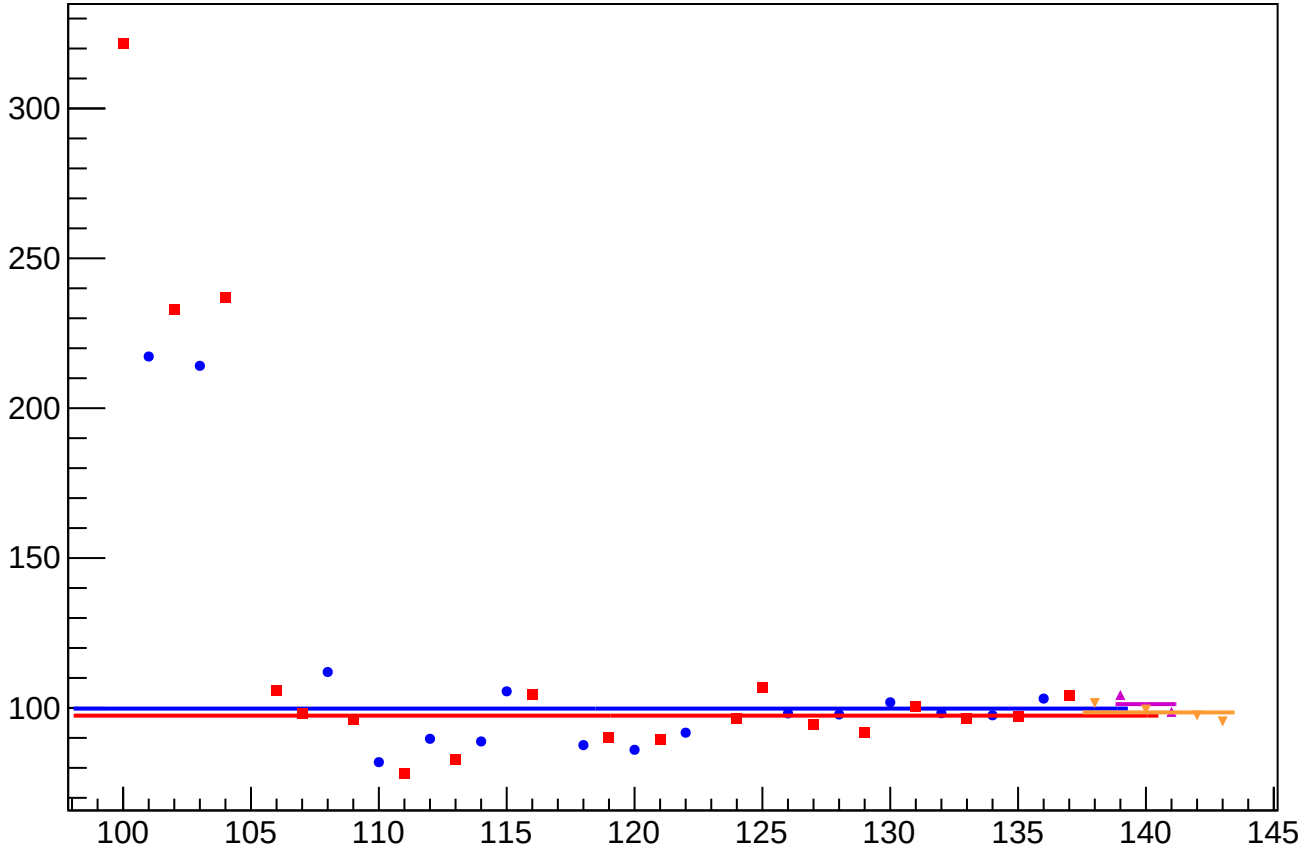
Left In: 1598.164+/-78.658 χ^2/NDF:1852.5/1

+ sign -3047.722+/-33.018 χ^2/NDF: 32825.4/19

All: -890.507+/-23.754 χ^2/NDF: 52680.6/40

- sign 1423.756+/-34.199 χ^2/NDF: 11007.2/20

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 98.500+/-0.042 χ^2/NDF:3204.2/3

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

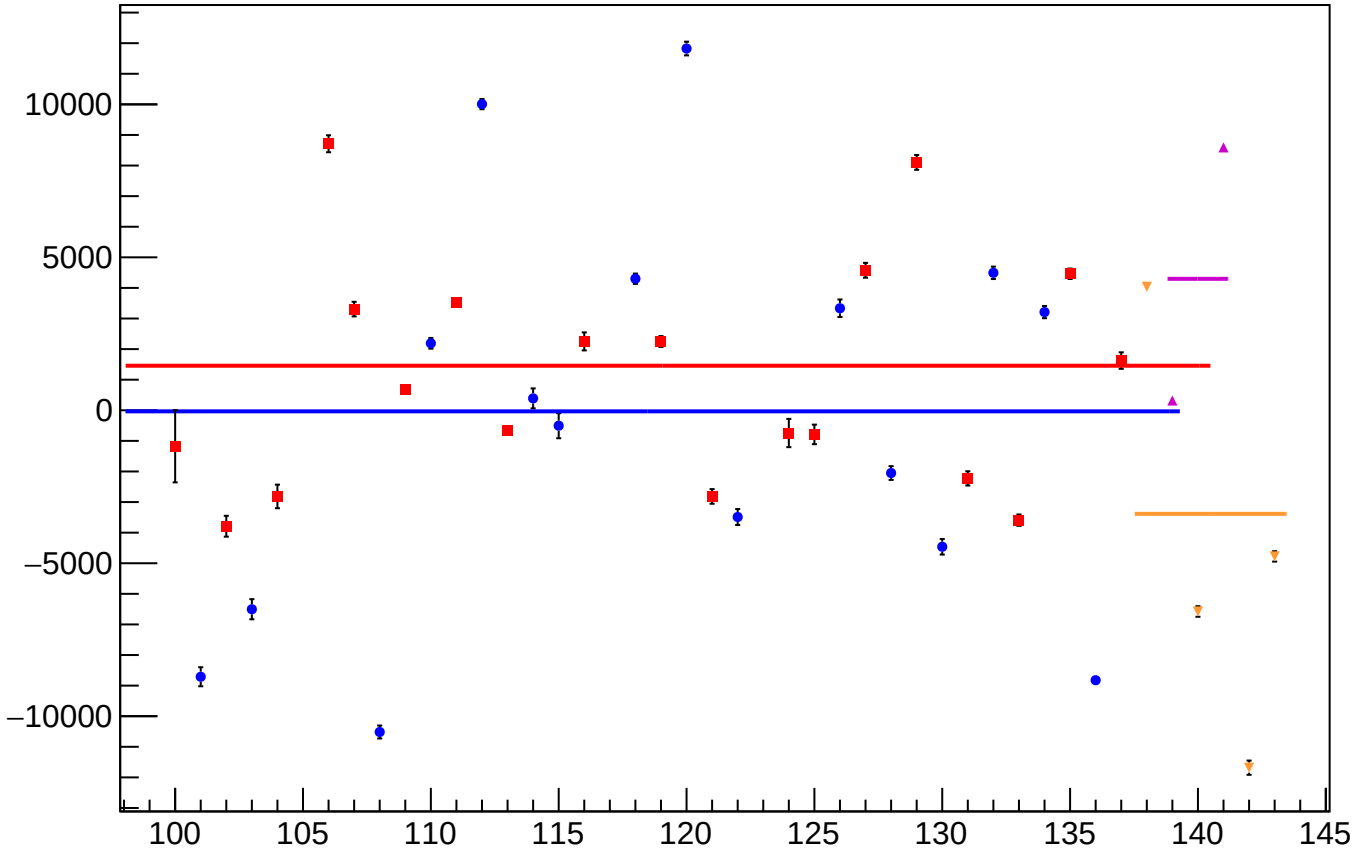
Left In: 101.262+/-0.056 χ^2/NDF:2555.3/1

+ sign 99.385+/-0.023 χ^2/NDF: 812989.7/19

All: 98.790+/-0.017 χ^2/NDF: 1746791.0/40

- sign 98.152+/-0.024 χ^2/NDF: 932457.1/20

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3385.558+/-88.278 χ^2/NDF:3969.5/3

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

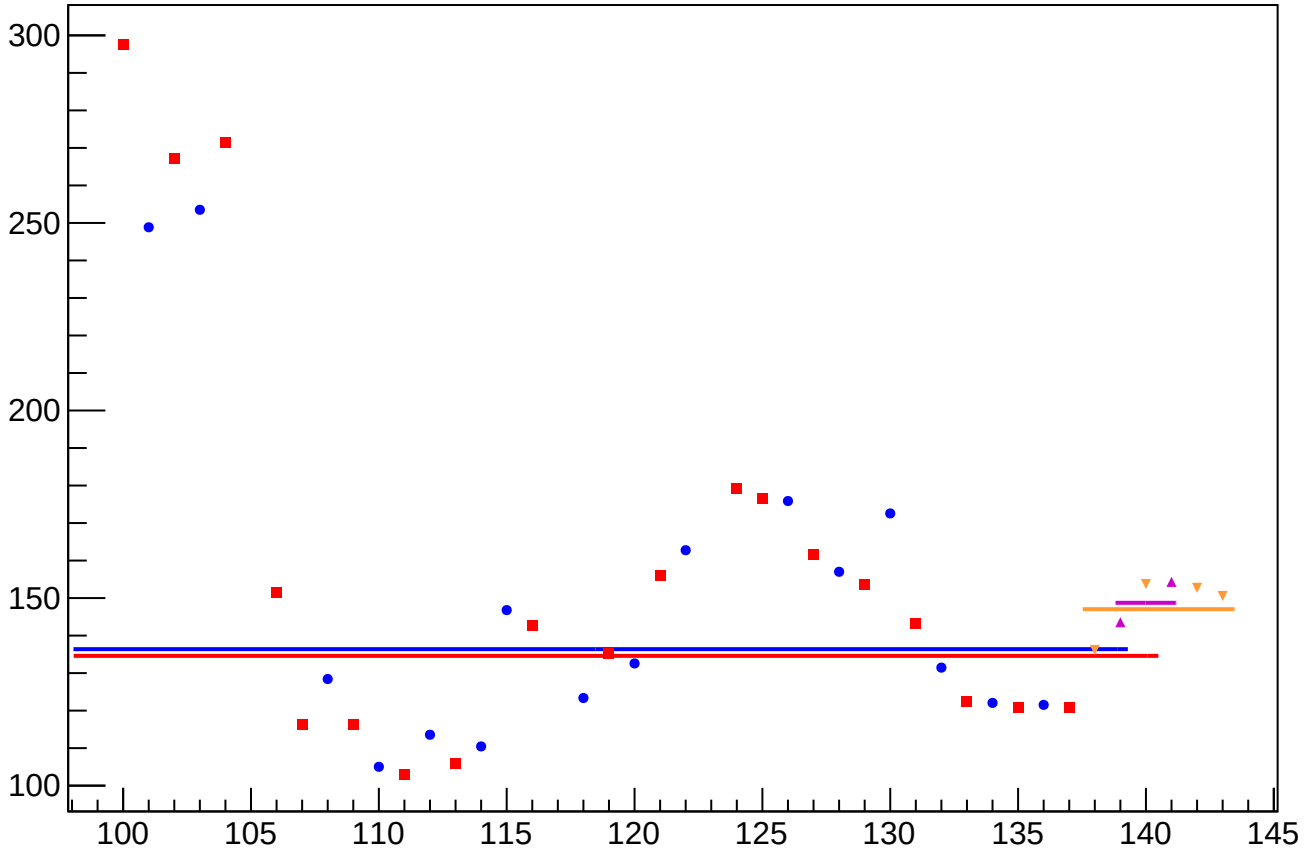
Left In: 4297.752+/-114.633 χ^2/NDF:1300.5/1

+ sign -933.939+/-45.732 χ^2/NDF: 21826.4/19

All: 454.485+/-32.883 χ^2/NDF: 29661.9/40

- sign 1940.676+/-47.315 χ^2/NDF: 5927.1/20

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 147.039+/-0.062 χ^2/NDF:14884.7/3

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

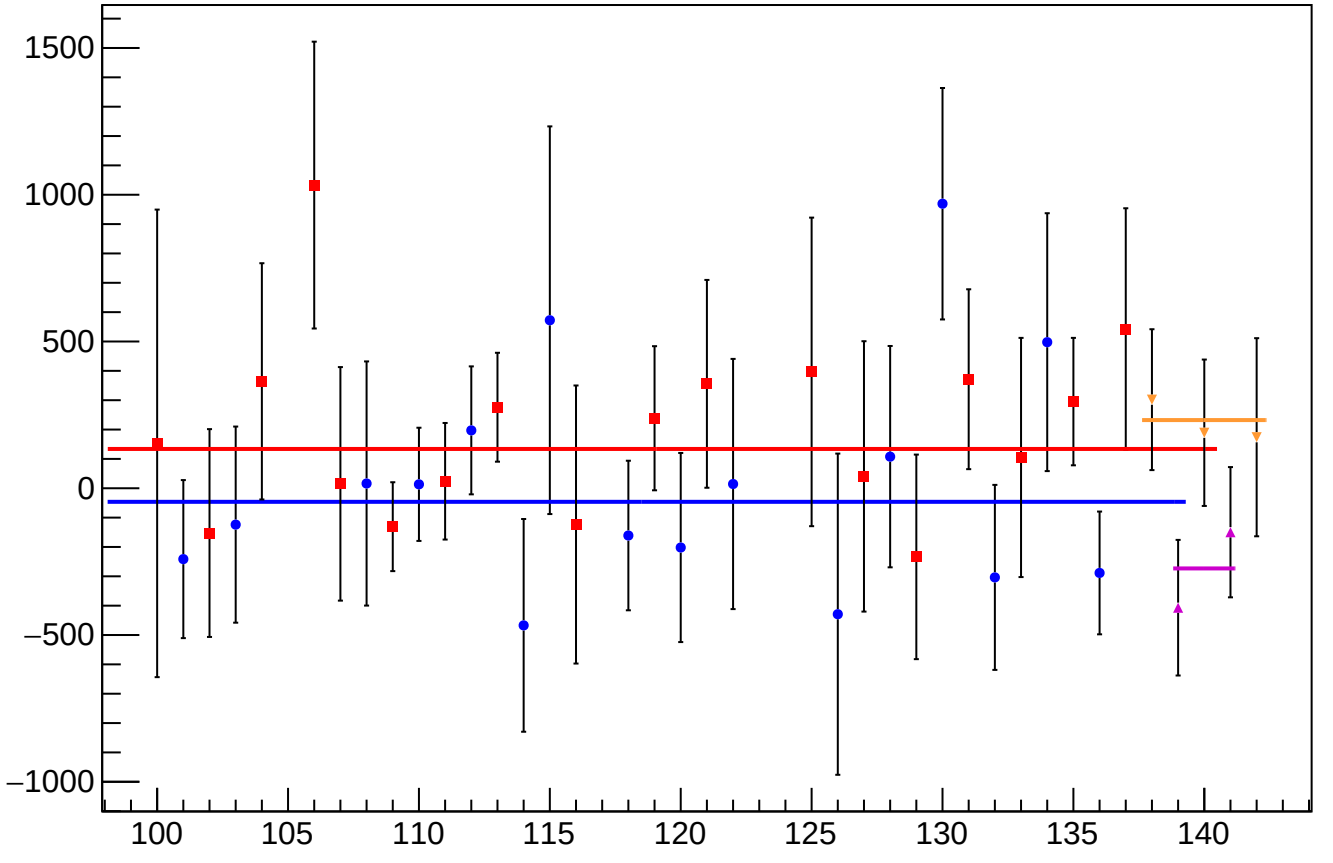
Left In: 148.740+/-0.081 χ^2/NDF:4398.4/1

+ sign 139.243+/-0.032 χ^2/NDF: 833061.4/19

All: 138.163+/-0.023 χ^2/NDF: 1784624.7/40

- sign 137.008+/-0.033 χ^2/NDF: 949255.0/20

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 232.290+/-153.894 χ^2/NDF:0.1/2

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

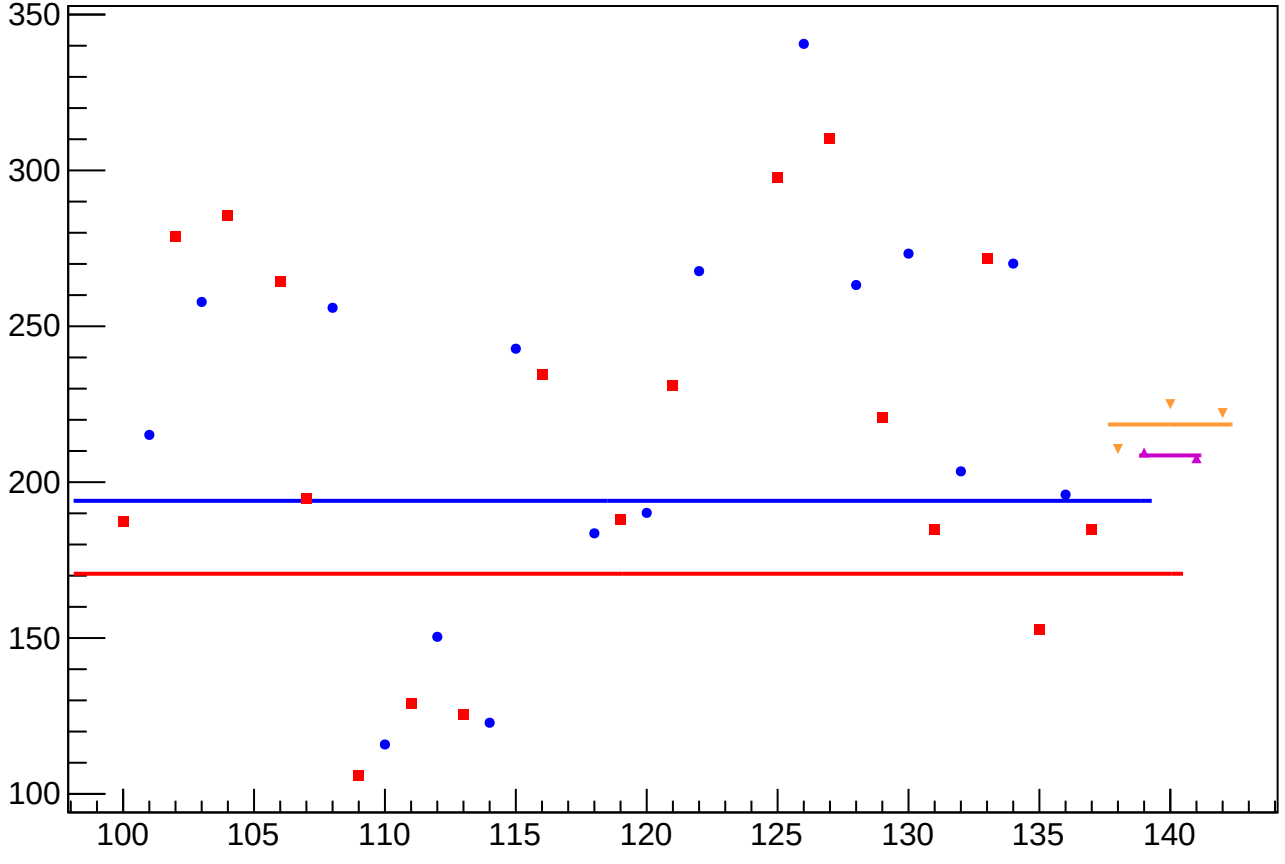
Left In: -273.160+/-160.024 χ^2/NDF:0.6/1

+ sign 8.730+/-68.347 χ^2/NDF: 18.2/18

All: 42.447+/-46.285 χ^2/NDF: 37.6/38

- sign 71.008+/-62.906 χ^2/NDF: 18.9/19

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 218.505+/-0.109 χ^2/NDF:3735.0/2

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

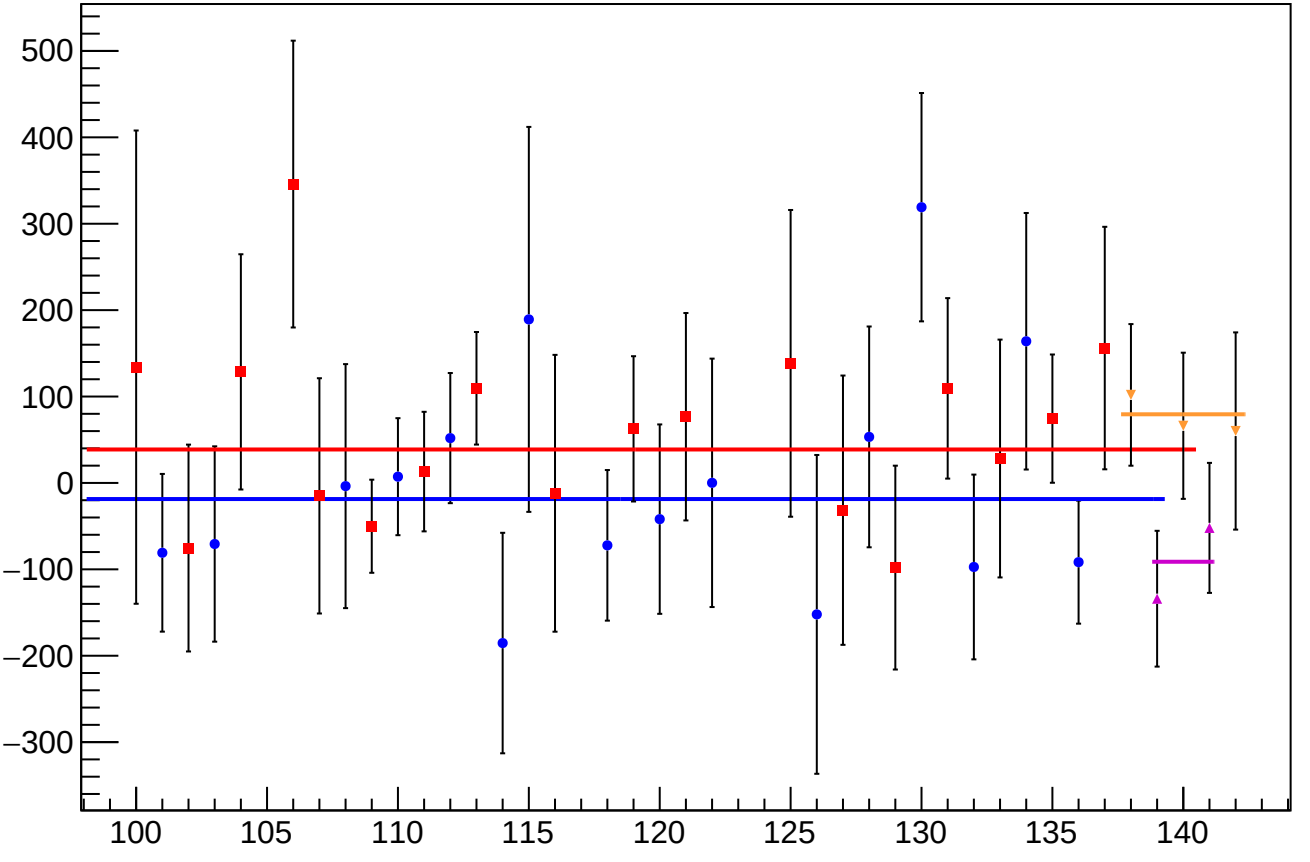
Left In: 208.576+/-0.113 χ^2/NDF:66.3/1

+ sign 198.847+/-0.048 χ^2/NDF: 1087975.6/18

All: 186.742+/-0.033 χ^2/NDF: 2892762.1/38

- sign 176.488+/-0.044 χ^2/NDF: 1688912.8/19

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 79.446+/-52.315 χ^2/NDF:0.1/2

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

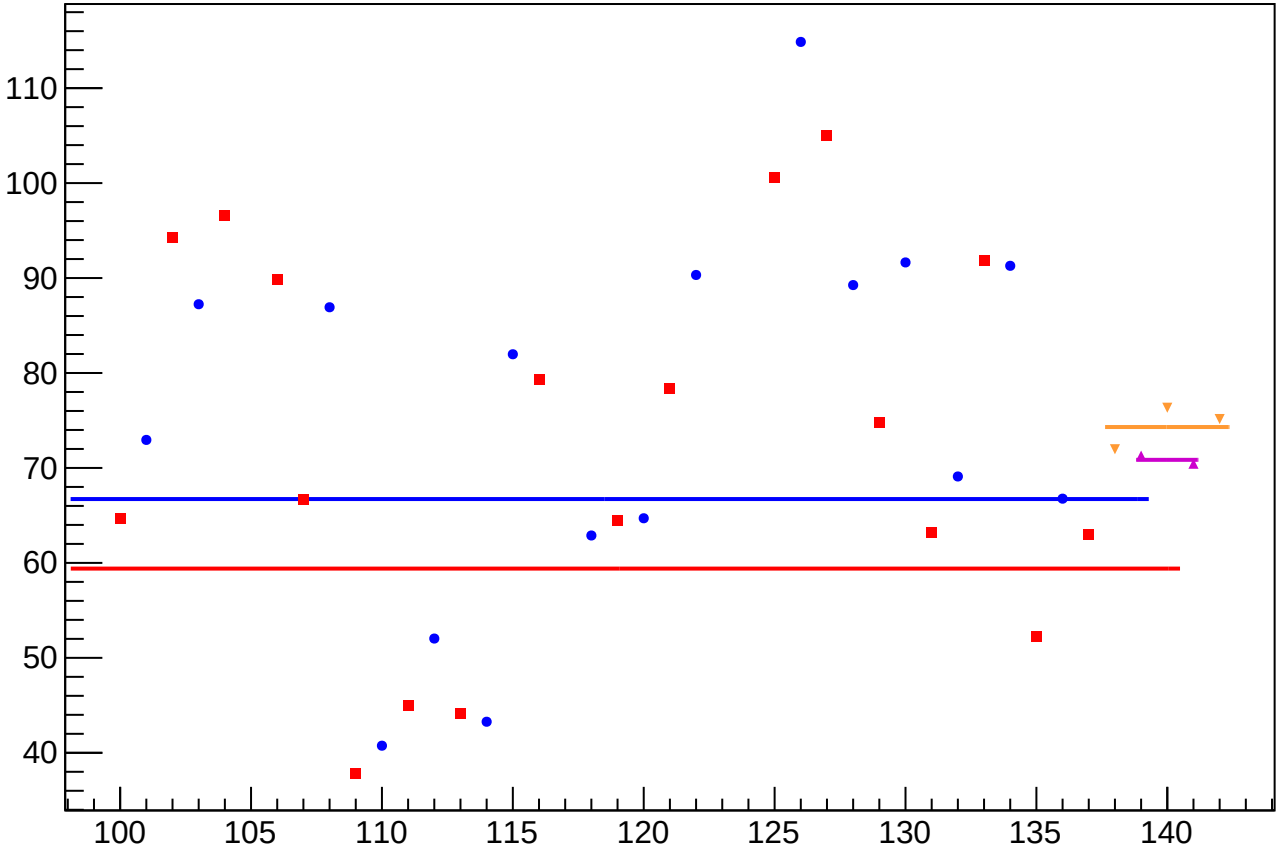
Left In: -91.233+/-54.348 χ^2/NDF:0.6/1

\+ sign 0.931+/-23.371 χ^2/NDF: 18.2/18

All: 10.115+/-15.897 χ^2/NDF: 36.4/38

\- sign 18.024+/-21.687 χ^2/NDF: 18.0/19

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 74.309+/-0.037 χ^2/NDF:2893.9/2

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

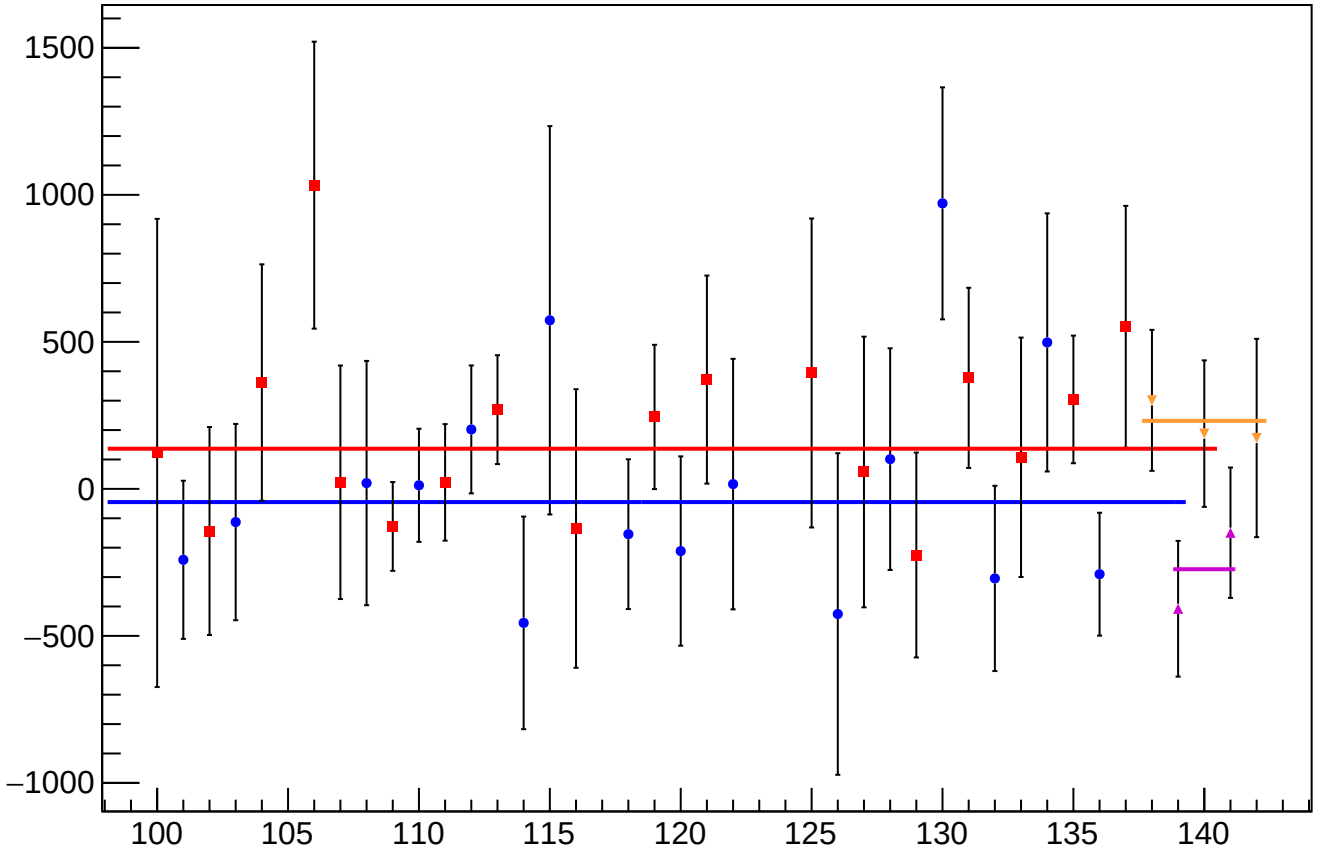
Left In: 70.854+/-0.038 χ^2/NDF:123.0/1

+ sign 68.238+/-0.017 χ^2/NDF: 983585.4/18

All: 64.469+/-0.011 χ^2/NDF: 2600543.0/38

- sign 61.224+/-0.015 χ^2/NDF: 1520170.6/19

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 231.376+/-153.761 χ^2/NDF:0.1/2

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

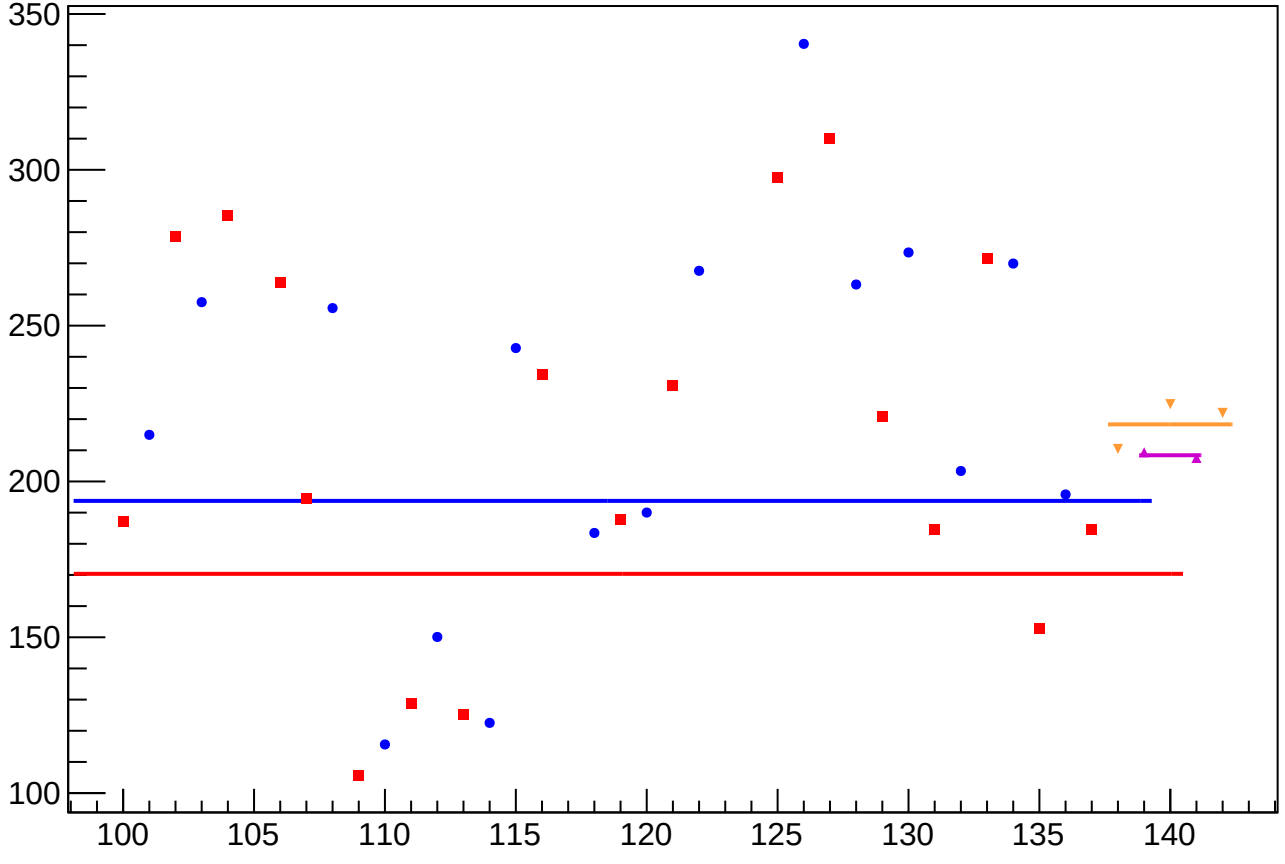
Left In: -273.267+/-159.901 χ^2/NDF:0.7/1

+ sign 9.558+/-68.274 χ^2/NDF: 18.2/18

All: 44.076+/-46.232 χ^2/NDF: 37.7/38

- sign 73.306+/-62.828 χ^2/NDF: 19.1/19

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 218.316+/-0.109 χ^2/NDF:3752.7/2

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

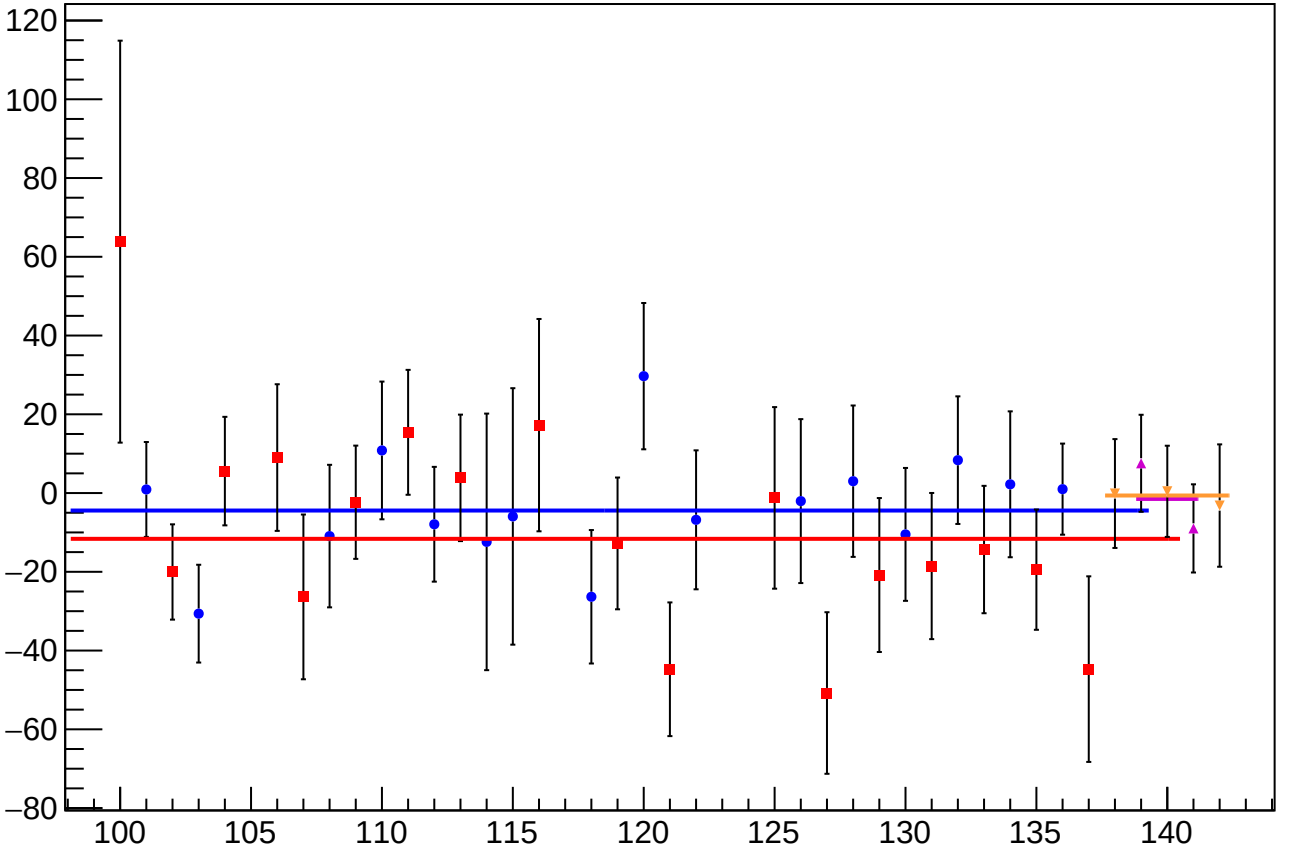
Left In: 208.414+/-0.113 χ^2/NDF:64.8/1

+ sign 198.608+/-0.048 χ^2/NDF: 1092773.0/18

All: 186.492+/-0.033 χ^2/NDF: 2903969.9/38

- sign 176.233+/-0.044 χ^2/NDF: 1694889.4/19

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.623+/-7.707 χ^2/NDF:0.0/2

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

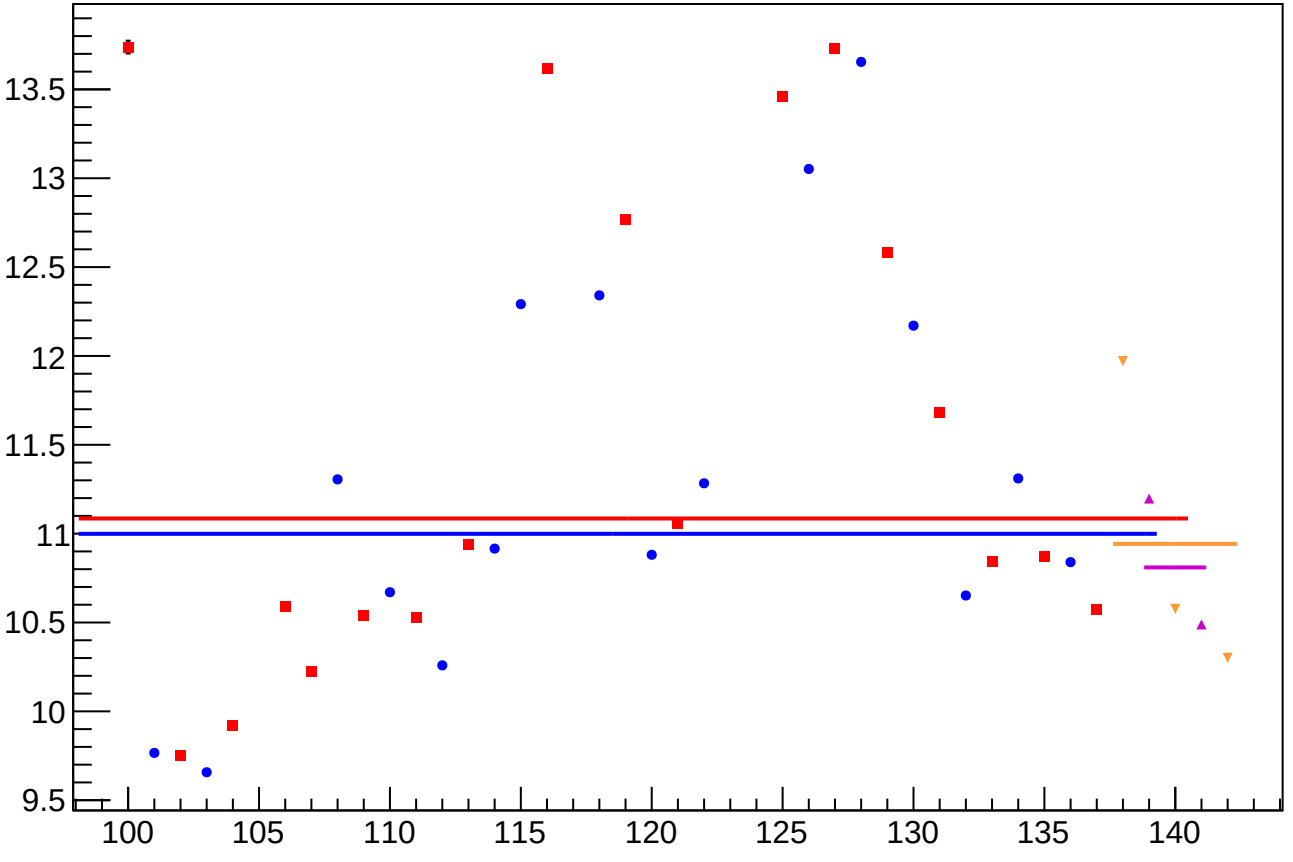
Left In: -1.496+/-8.286 χ^2/NDF:1.0/1

+ sign -3.588+/-3.641 χ^2/NDF: 12.2/18

All: -6.548+/-2.595 χ^2/NDF: 37.4/38

- sign -9.606+/-3.701 χ^2/NDF: 23.8/19

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.942+/-0.005 χ^2/NDF:16471.4/2

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

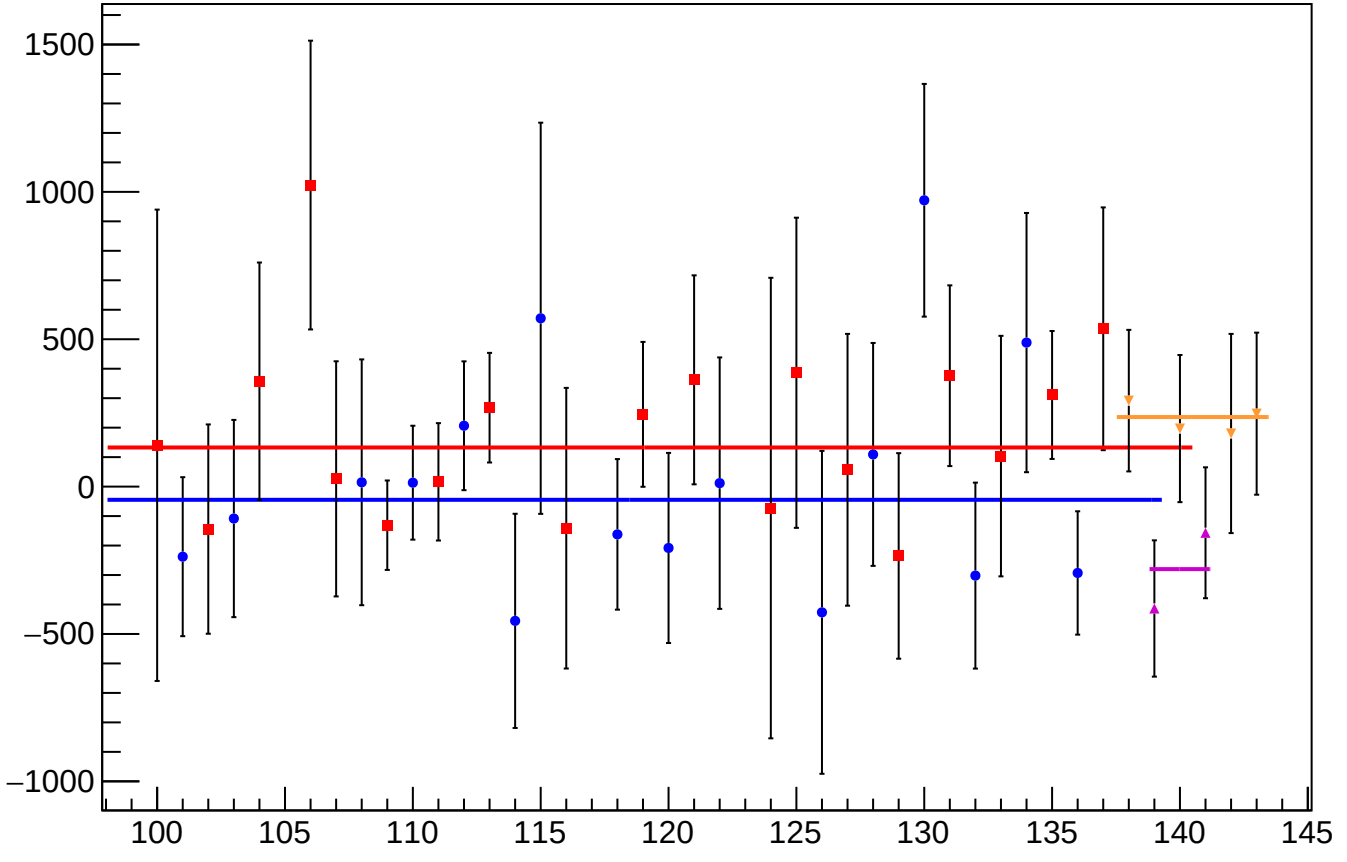
Left In: 10.810+/-0.006 χ^2/NDF:3622.0/1

+ sign 10.986+/-0.003 χ^2/NDF: 152714.2/18

All: 11.008+/-0.002 χ^2/NDF: 320452.5/38

- sign 11.030+/-0.003 χ^2/NDF: 167595.0/19

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 236.018+/-134.378 χ^2/NDF:0.1/3

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

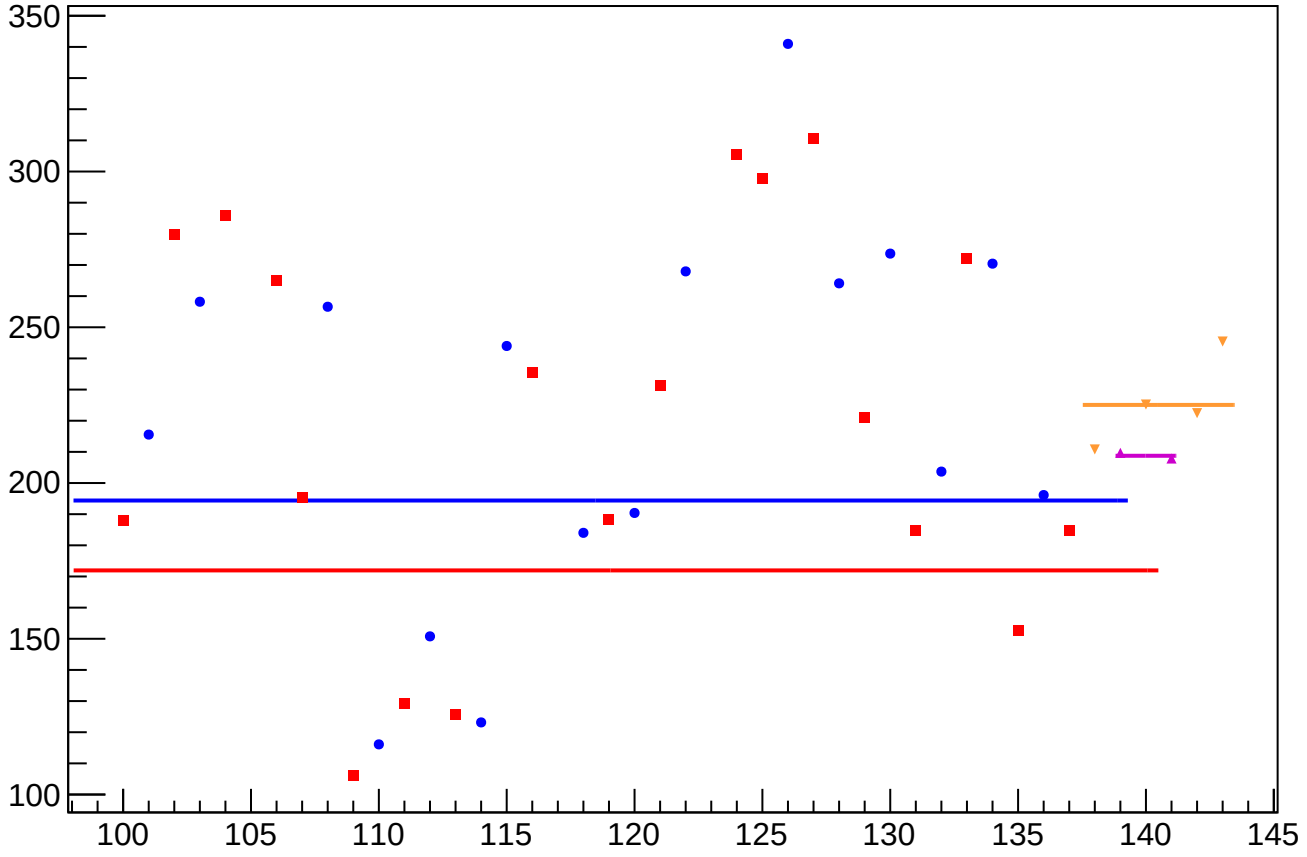
Left In: -279.905+/-160.159 χ^2/NDF:0.6/1

\+ sign 23.833+/-66.432 χ^2/NDF: 18.8/19

All: 47.833+/-45.637 χ^2/NDF: 38.2/40

\- sign 69.283+/-62.802 χ^2/NDF: 19.1/20

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 225.077+/-0.095 χ^2/NDF:18167.5/3

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

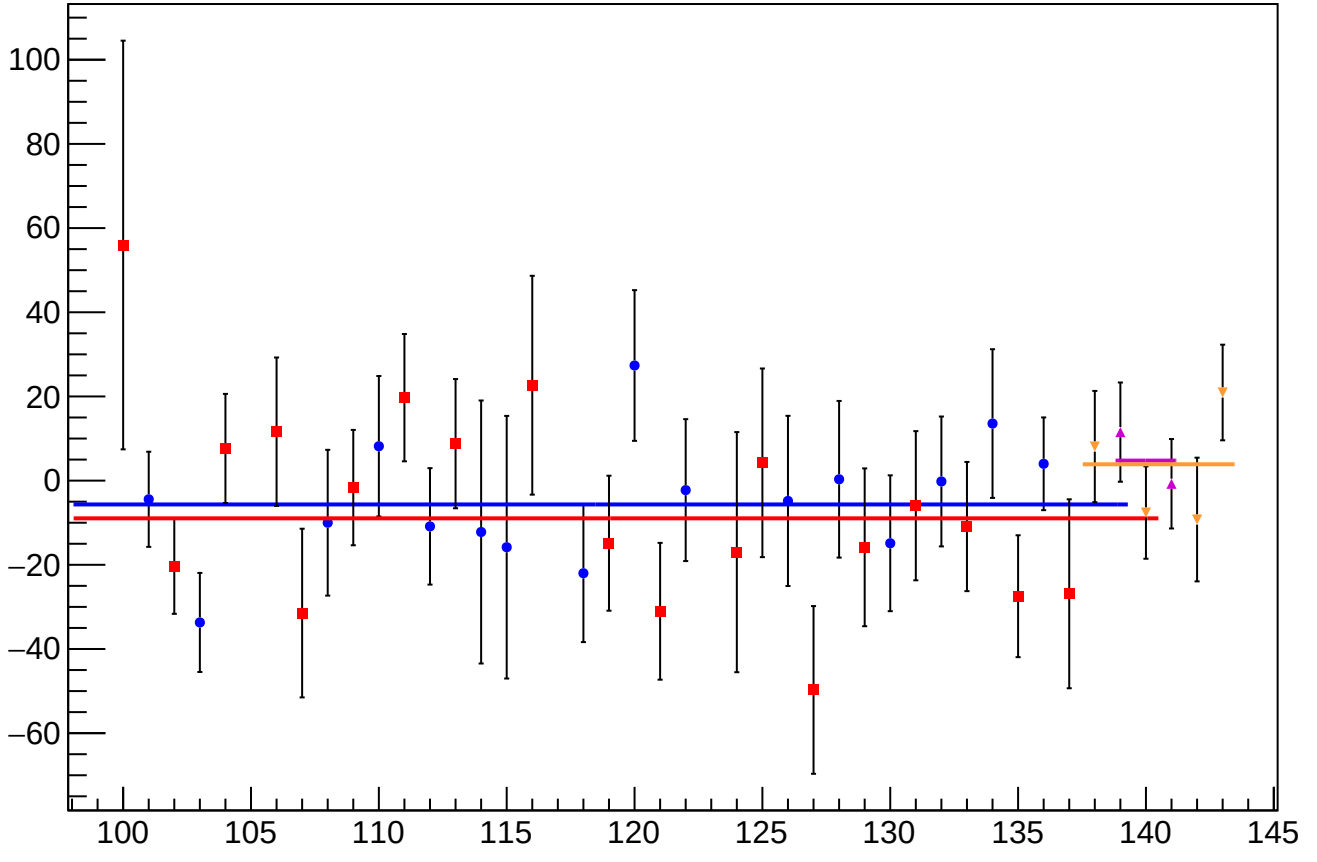
Left In: 208.750+/-0.113 χ^2/NDF:65.1/1

+ sign 201.886+/-0.047 χ^2/NDF: 1139027.4/19

All: 189.065+/-0.032 χ^2/NDF: 3020860.4/40

- sign 177.607+/-0.044 χ^2/NDF: 1740767.9/20

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 3.886+/-6.152 χ^2/NDF:4.2/3

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

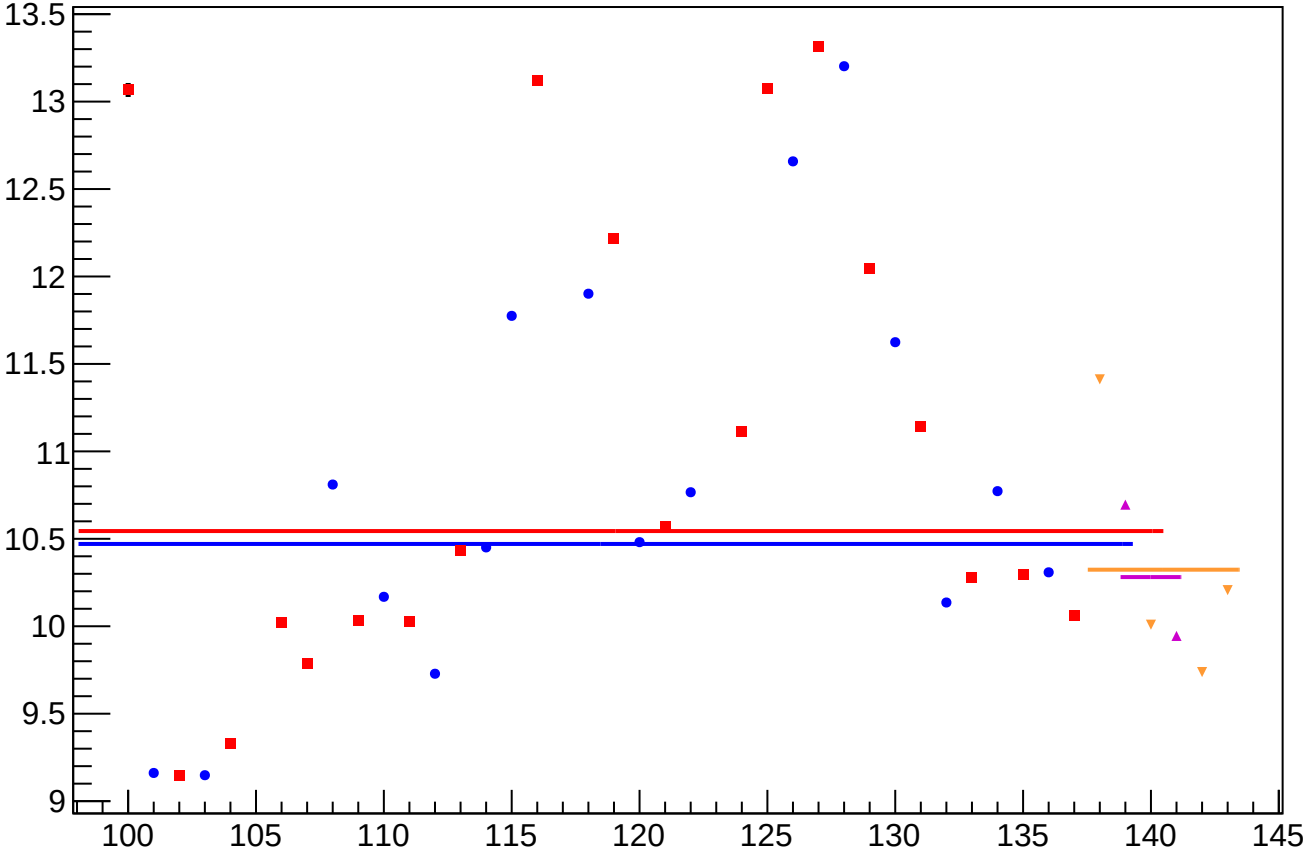
Left In: 4.757+/-7.892 χ^2/NDF:0.6/1

+ sign -2.883+/-3.317 χ^2/NDF: 19.6/19

All: -4.486+/-2.407 χ^2/NDF: 45.9/40

- sign -6.267+/-3.497 χ^2/NDF: 25.8/20

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.323+/-0.004 χ^2/NDF:18594.2/3

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

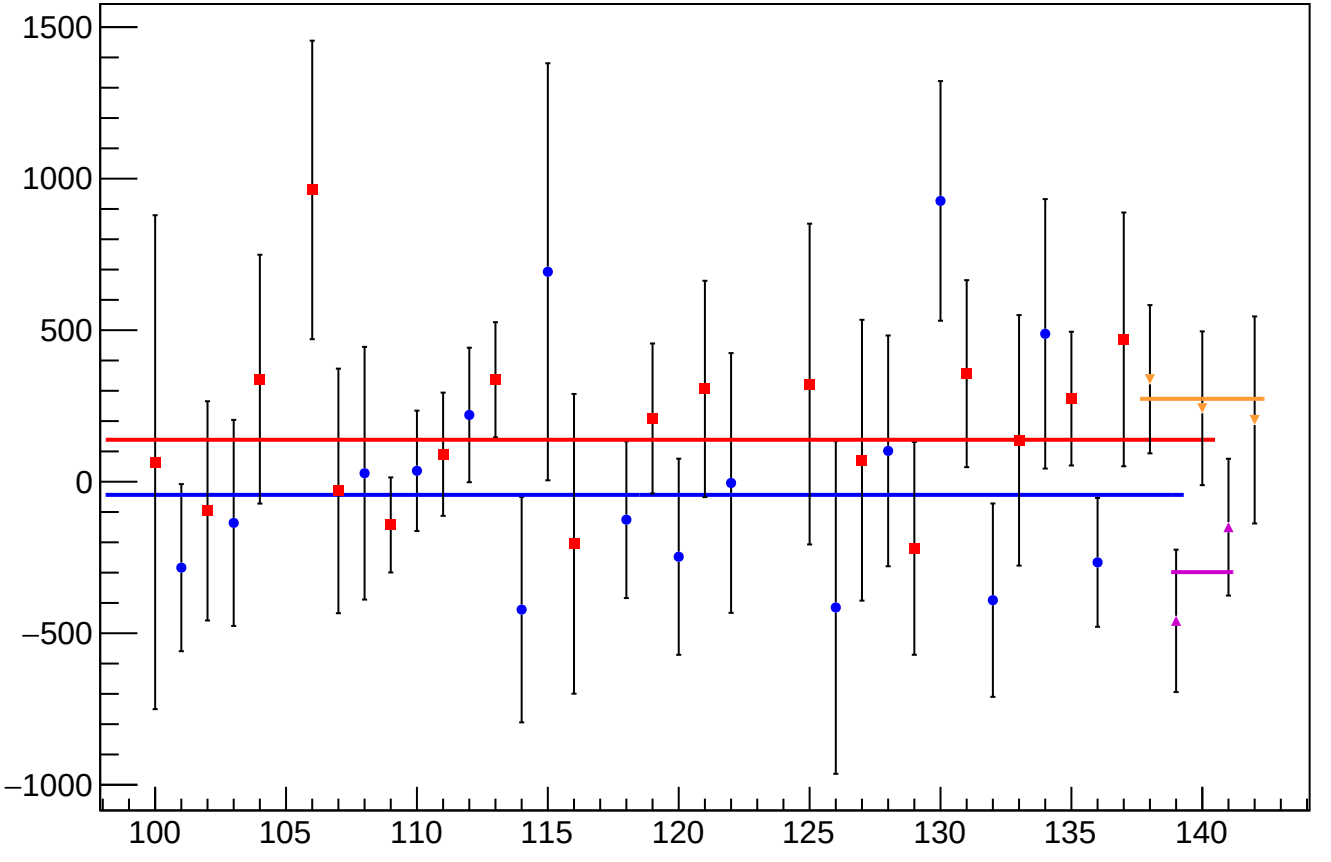
Left In: 10.281+/-0.006 χ^2/NDF:4473.6/1

+ sign 10.428+/-0.002 χ^2/NDF: 176771.2/19

All: 10.459+/-0.002 χ^2/NDF: 370174.3/40

- sign 10.493+/-0.002 χ^2/NDF: 193040.7/20

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 273.498+/-156.517 χ^2/NDF:0.1/2

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

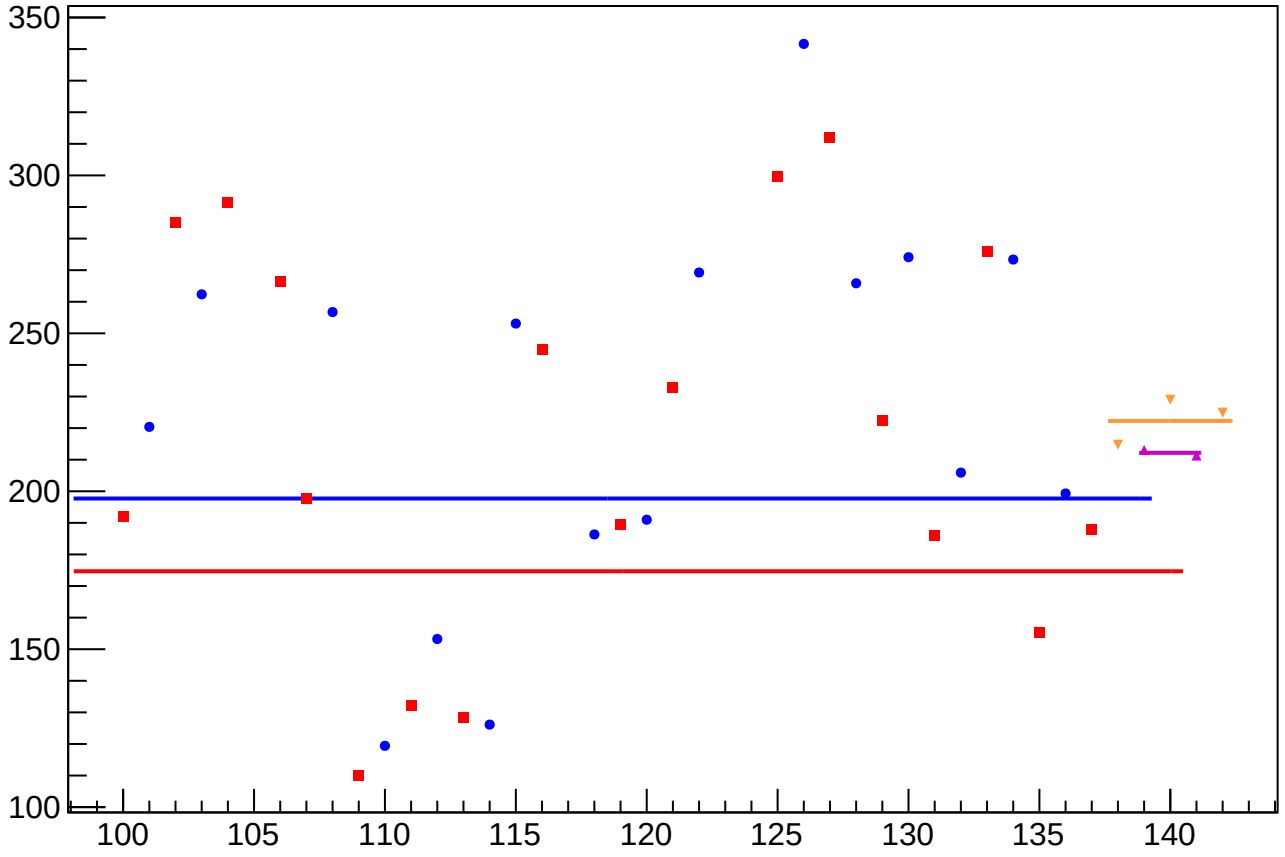
Left In: -298.354+/-162.753 χ^2/NDF:0.9/1

+ sign 19.119+/-69.513 χ^2/NDF: 18.9/18

All: 46.879+/-47.153 χ^2/NDF: 37.6/38

- sign 70.540+/-64.175 χ^2/NDF: 18.4/19

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 222.267+/-0.111 χ^2/NDF:3404.3/2

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

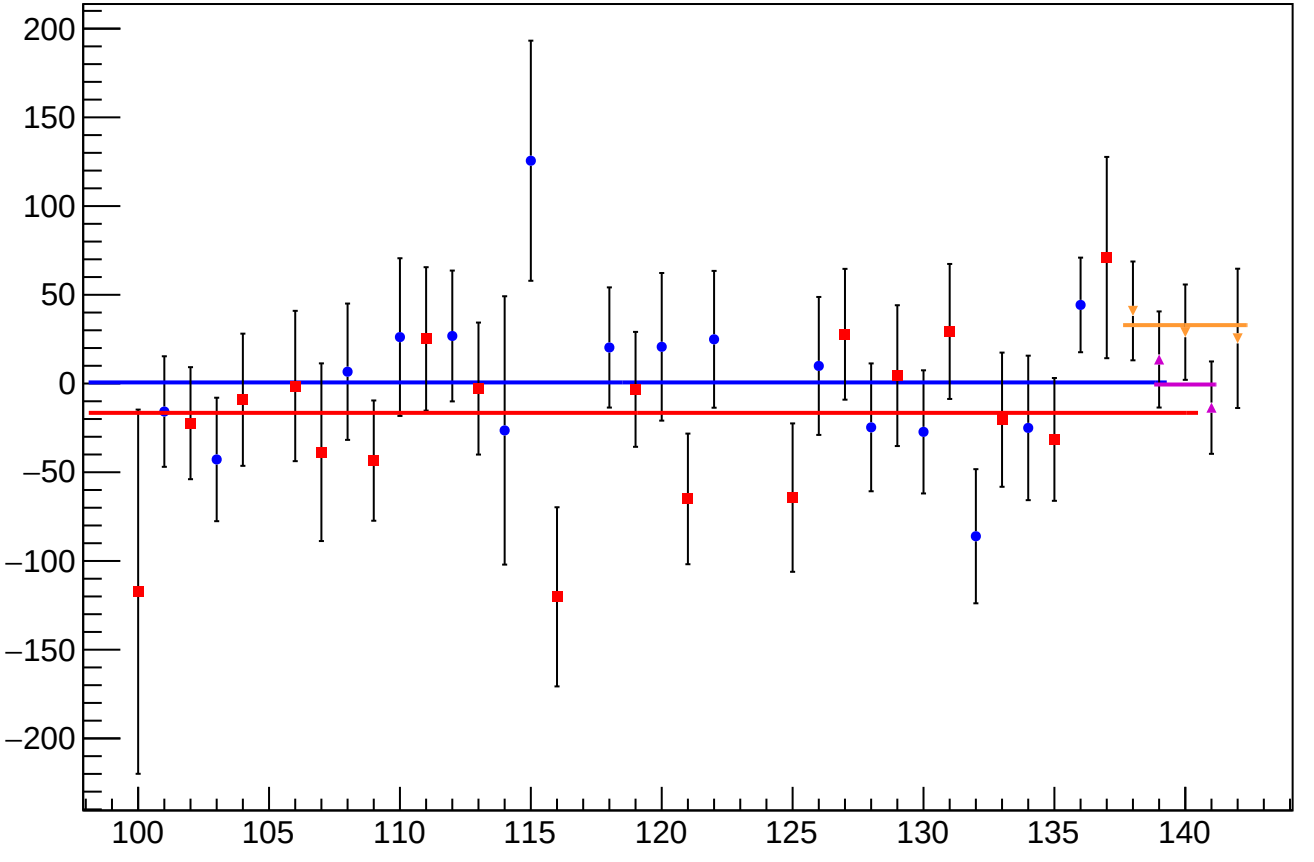
Left In: 212.169+/-0.115 χ^2/NDF:57.7/1

+ sign 202.551+/-0.049 χ^2/NDF: 1043258.3/18

All: 190.651+/-0.033 χ^2/NDF: 2776267.8/38

- sign 180.508+/-0.045 χ^2/NDF: 1624429.0/19

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 32.910+/-17.344 χ^2/NDF:0.1/2

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

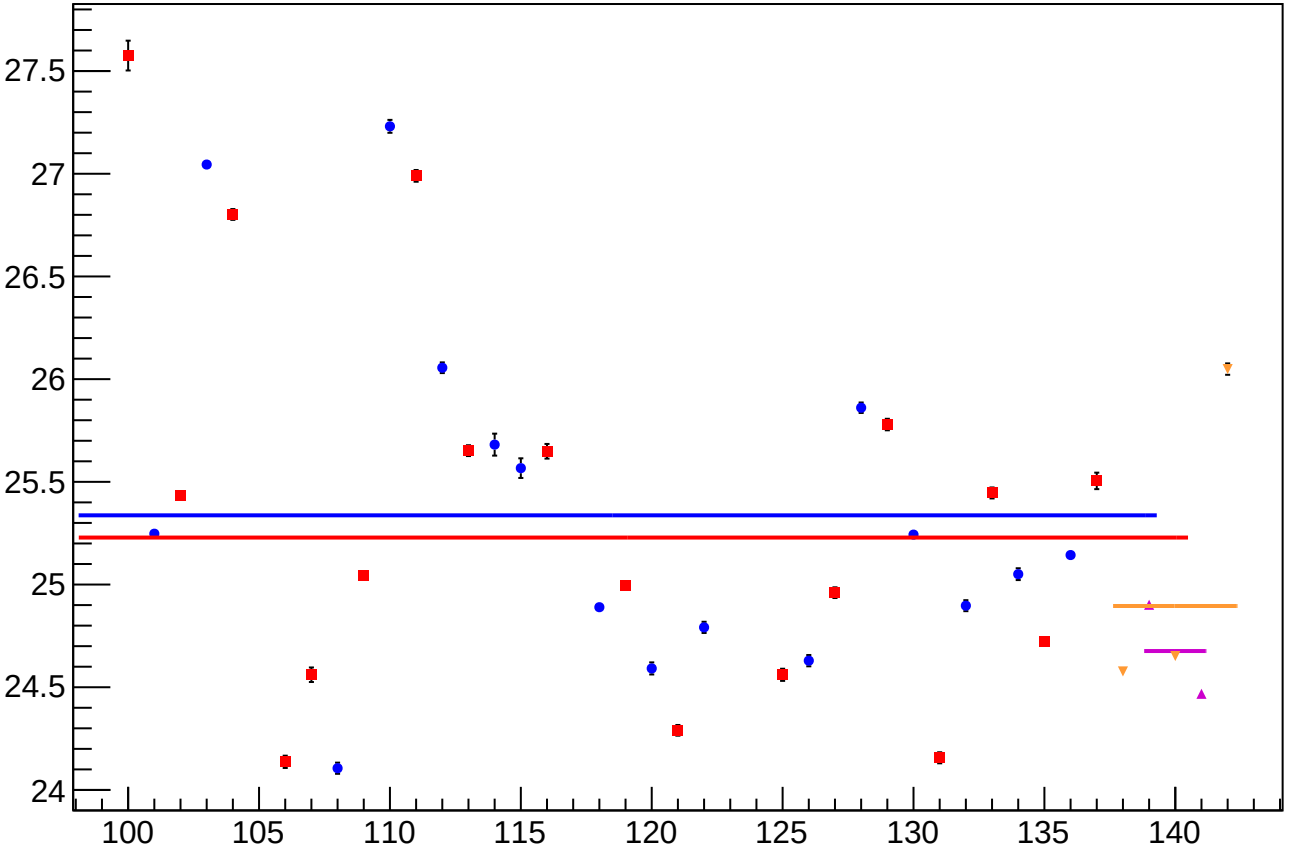
Left In: -0.557+/-18.770 χ^2/NDF:0.5/1

+ sign 7.976+/-8.279 χ^2/NDF: 19.6/18

All: -2.626+/-5.875 χ^2/NDF: 40.3/38

- sign -13.381+/-8.338 χ^2/NDF: 17.5/19

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 24.896+/-0.012 χ^2/NDF:2153.1/2

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

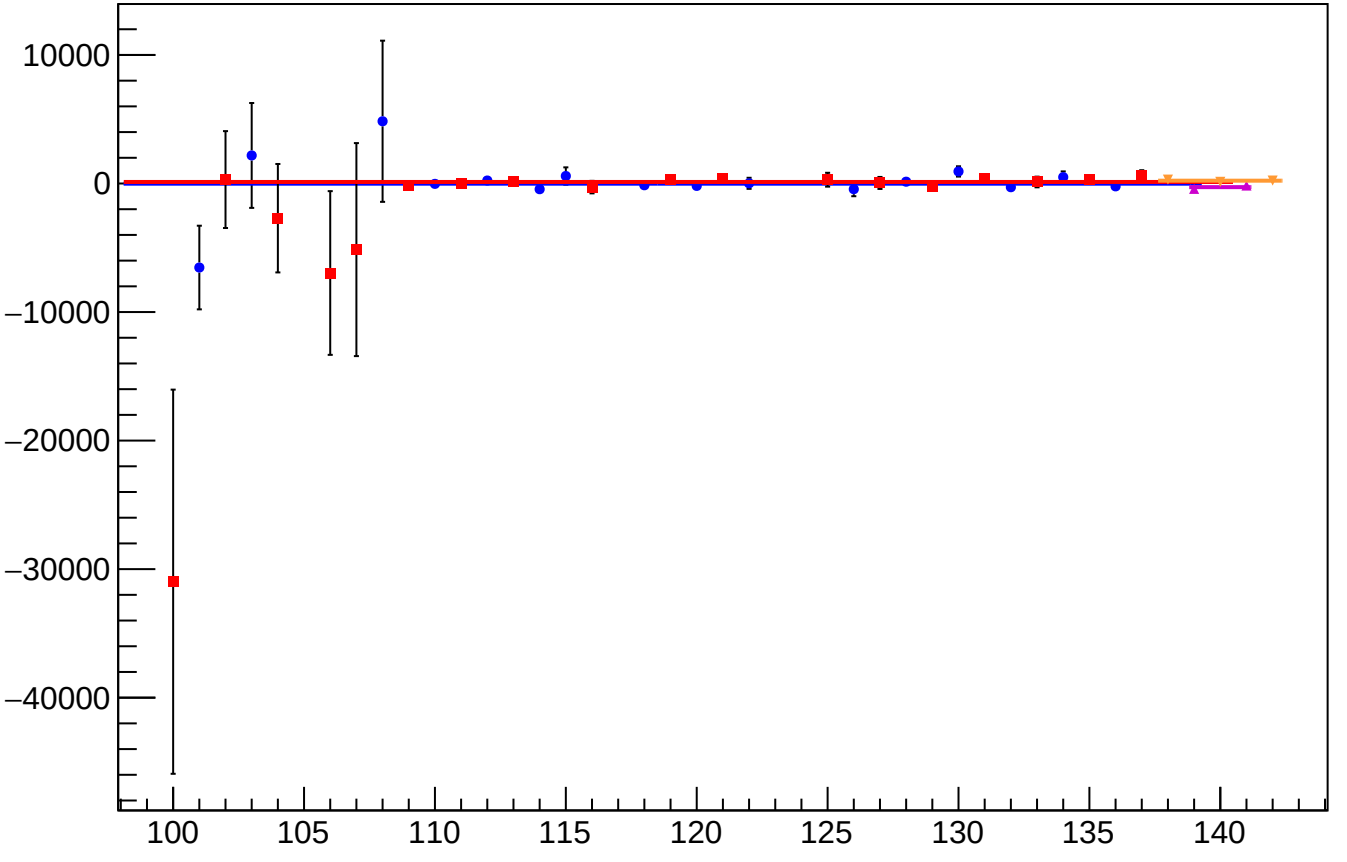
Left In: 24.676+/-0.013 χ^2/NDF:266.3/1

+ sign 25.236+/-0.006 χ^2/NDF: 17468.6/18

All: 25.179+/-0.004 χ^2/NDF: 34498.8/38

- sign 25.120+/-0.006 χ^2/NDF: 16833.1/19

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 219.281+/-154.523 χ^2/NDF:0.3/2

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

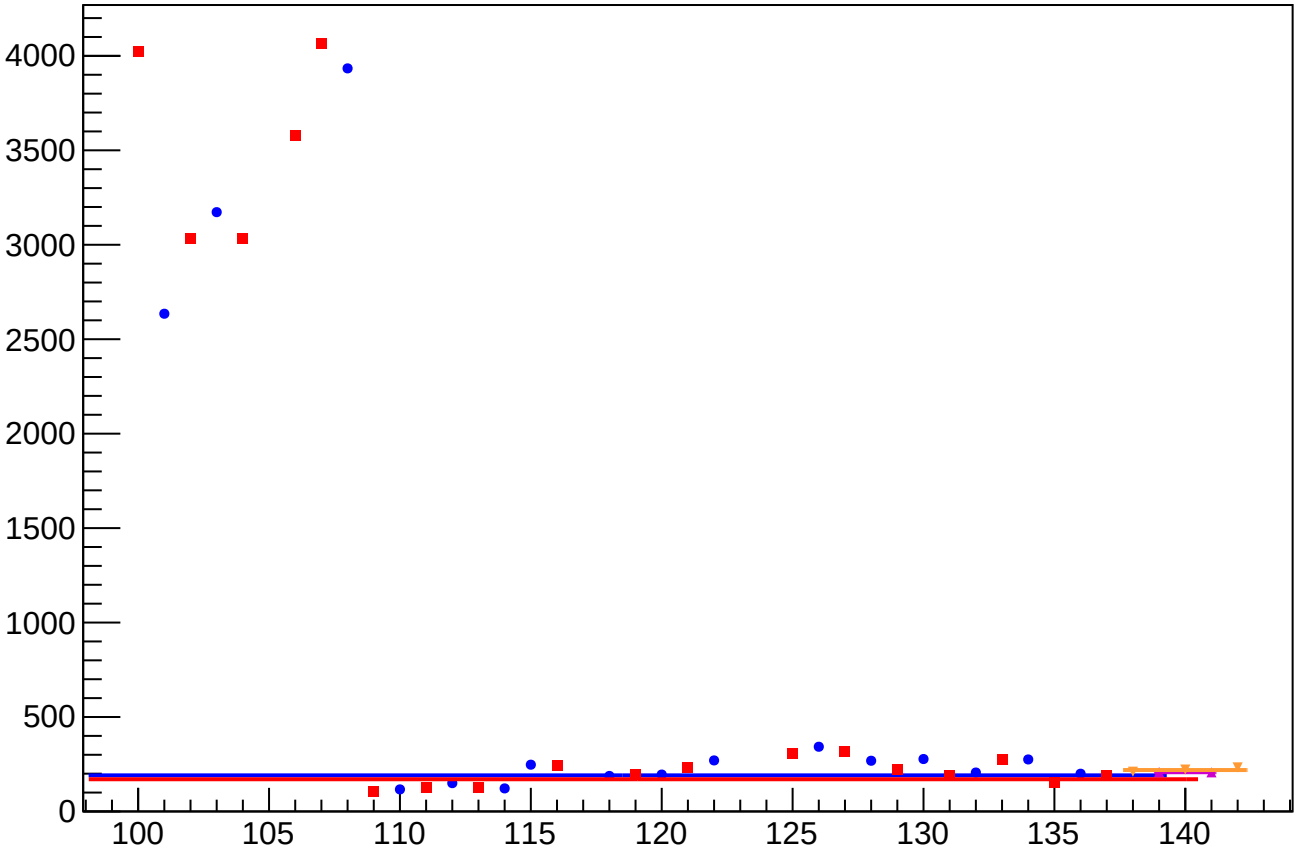
Left In: -282.328+/-159.537 χ^2/NDF:0.7/1

+ sign 40.303+/-74.108 χ^2/NDF: 20.3/18

All: 41.182+/-50.984 χ^2/NDF: 40.5/38

- sign 41.972+/-70.252 χ^2/NDF: 20.2/19

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 219.203+/-0.109 χ^2/NDF:6074.1/2

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

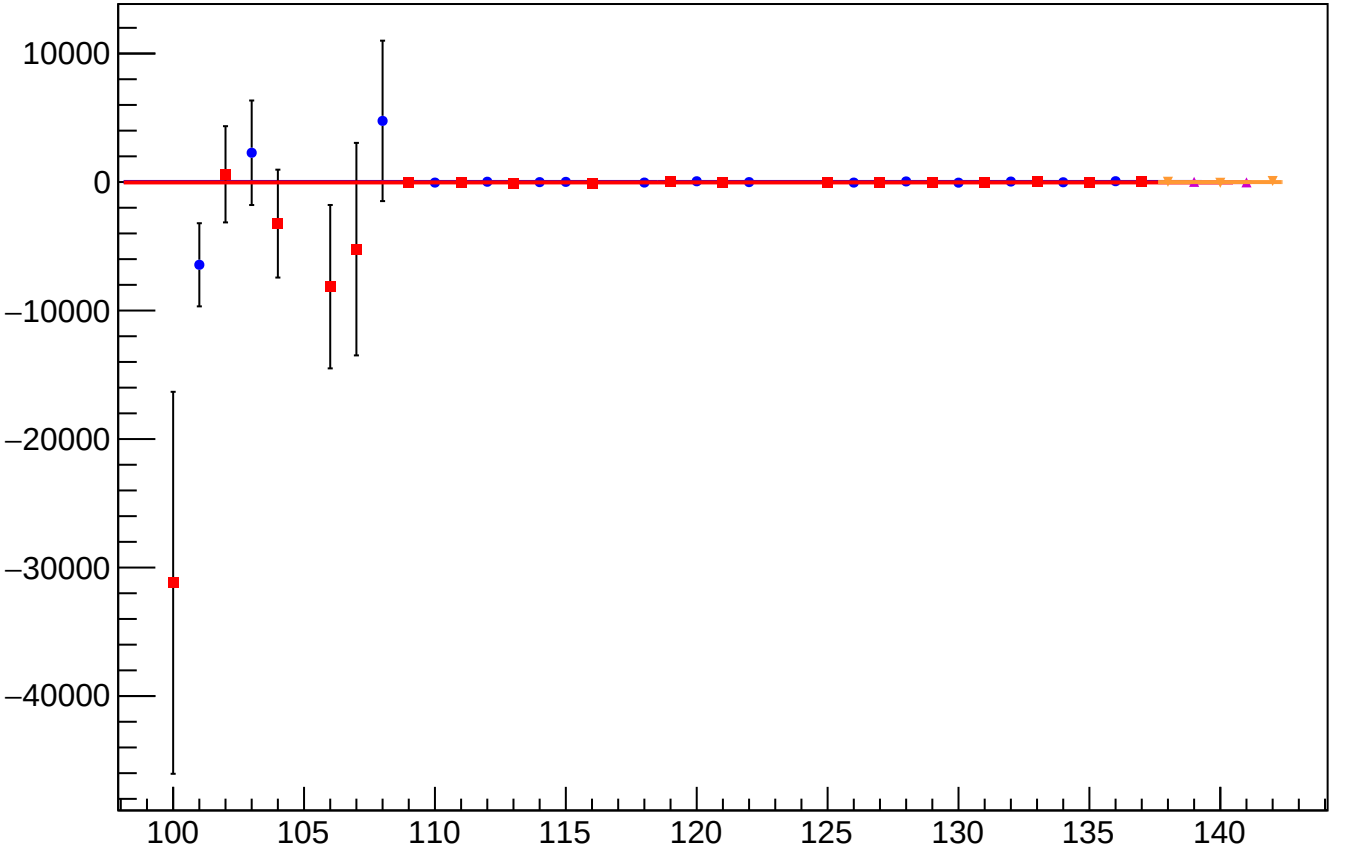
Left In: 207.790+/-0.113 χ^2/NDF:34.7/1

+ sign 197.541+/-0.052 χ^2/NDF: 3891074.8/18

All: 187.104+/-0.036 χ^2/NDF: 8309349.7/38

- sign 177.726+/-0.050 χ^2/NDF: 4342966.9/19

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -2.113+/-20.013 χ^2/NDF:7.0/2

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

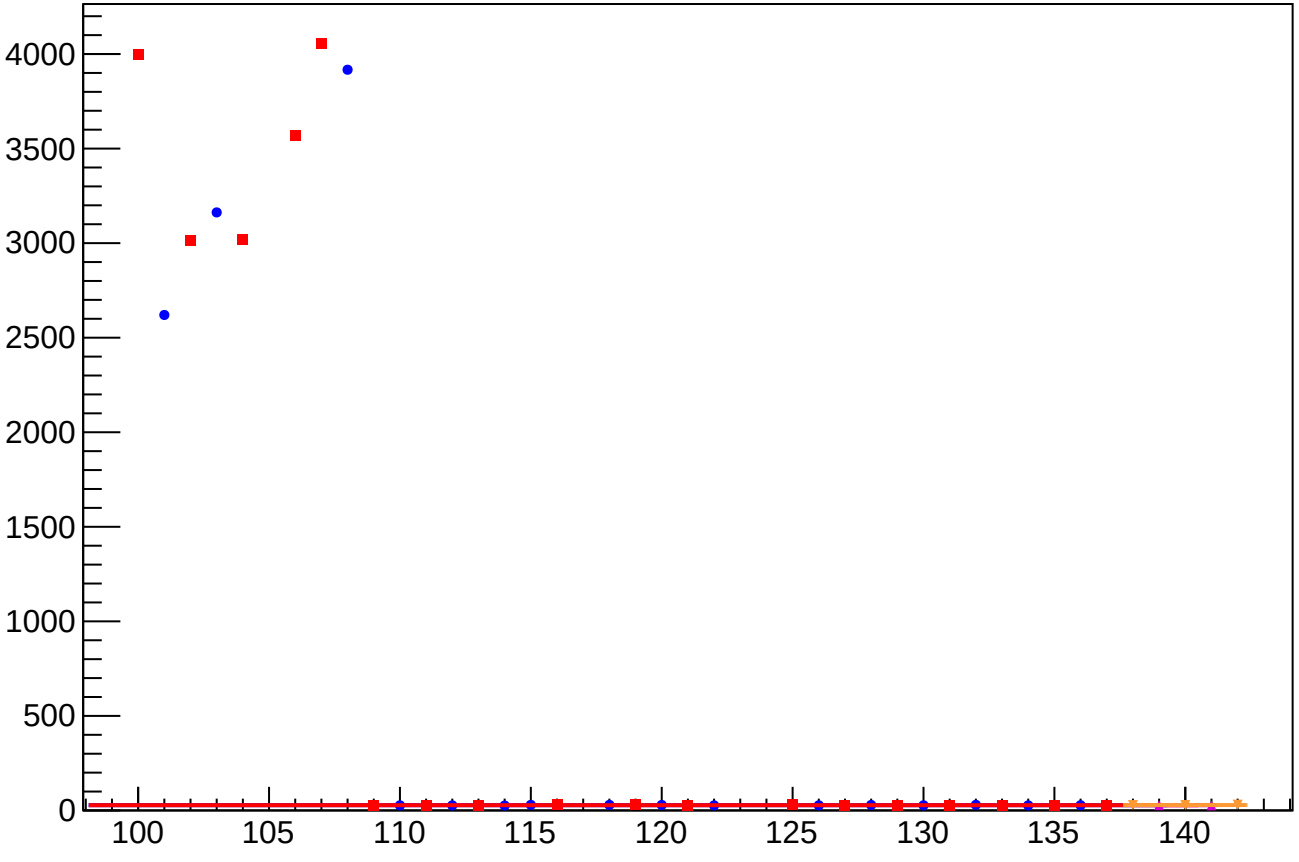
Left In: -5.222+/-21.079 χ^2/NDF:0.9/1

+ sign 4.281+/-10.142 χ^2/NDF: 25.4/18

All: -9.598+/-7.289 χ^2/NDF: 51.1/38

- sign -24.428+/-10.484 χ^2/NDF: 21.8/19

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.616+/-0.014 χ^2/NDF:3175.1/2

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

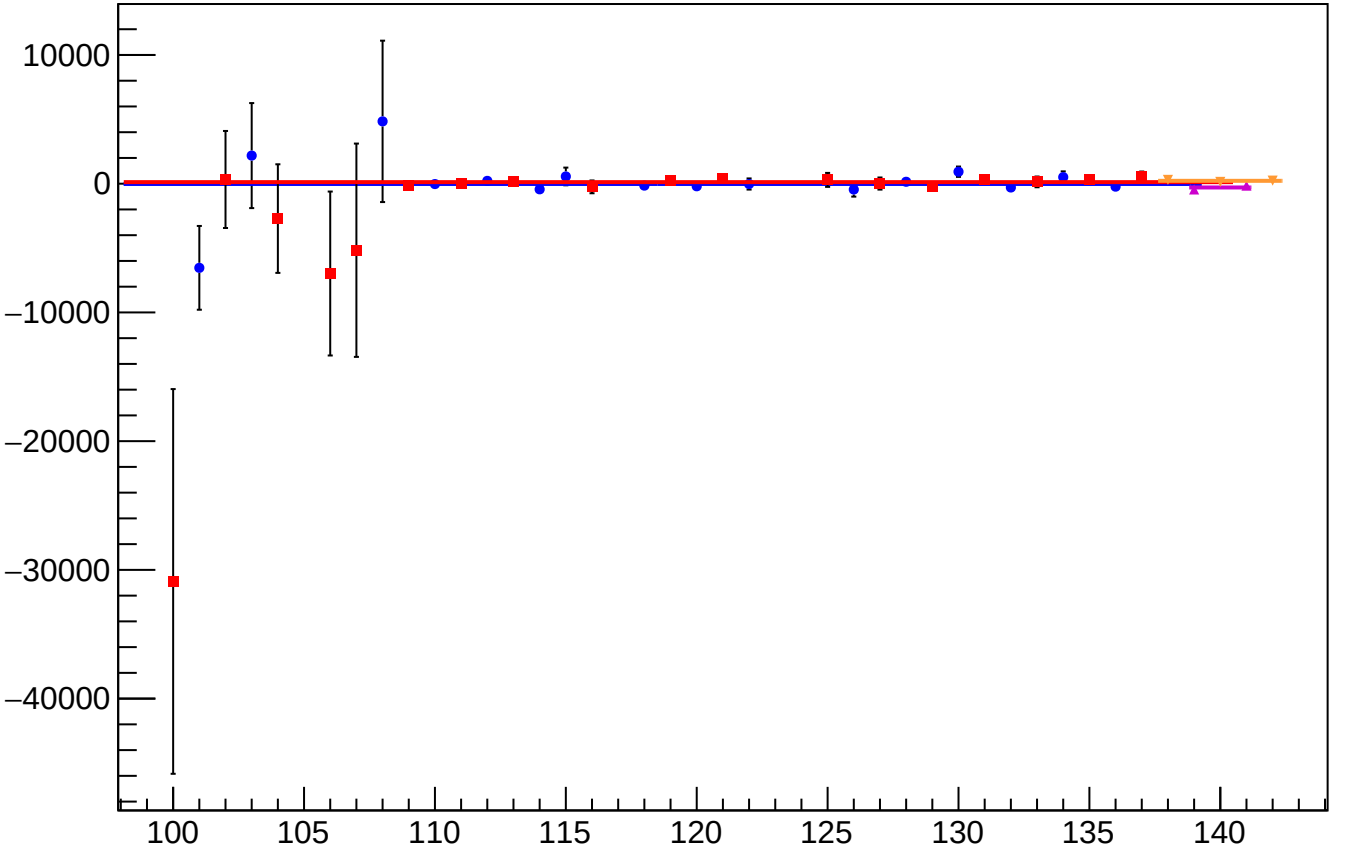
Left In: 27.662+/-0.015 χ^2/NDF:913.0/1

+ sign 28.028+/-0.007 χ^2/NDF: 3271393.3/18

All: 27.893+/-0.005 χ^2/NDF: 6831480.6/38

- sign 27.749+/-0.007 χ^2/NDF: 3559357.6/19

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 223.408+/-155.322 χ^2/NDF:0.2/2

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

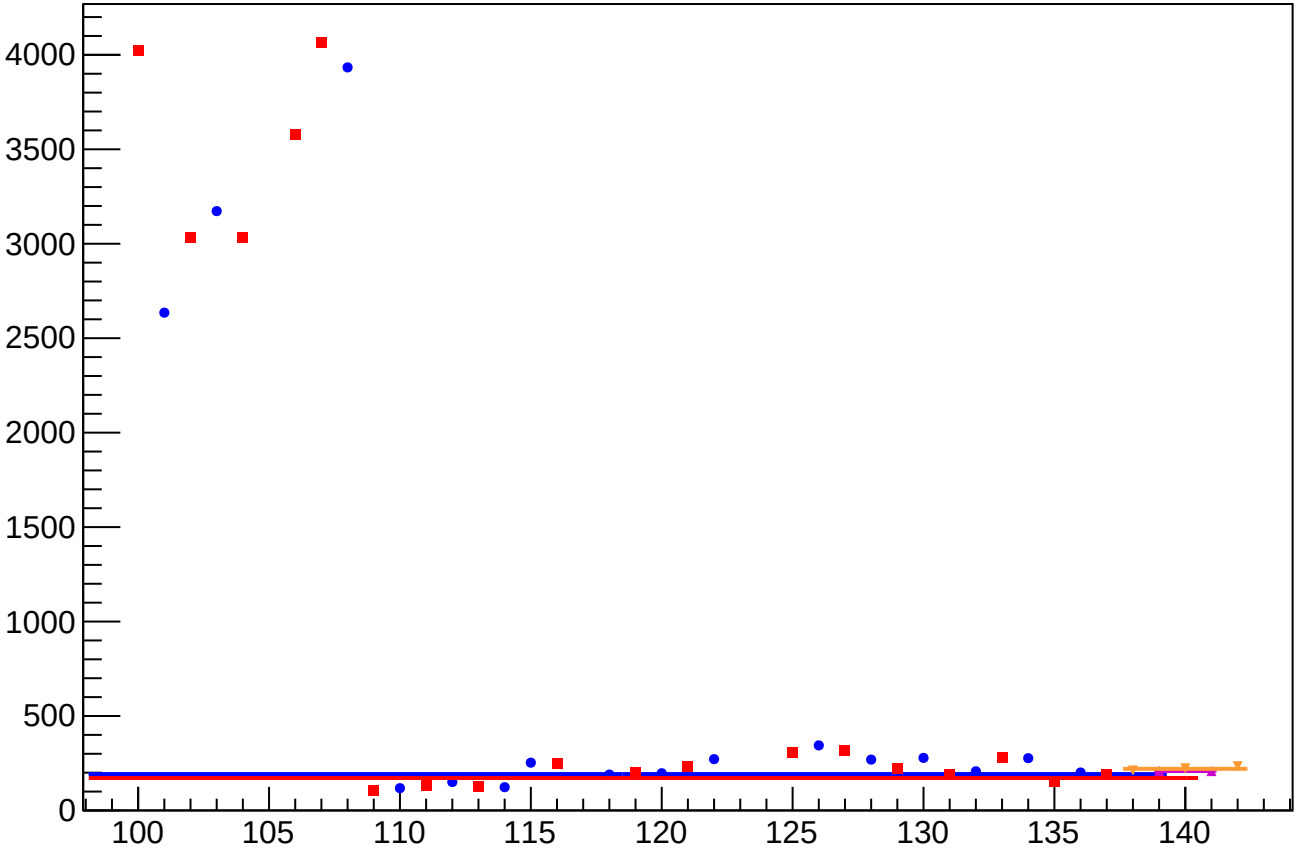
Left In: -293.298+/-160.466 χ^2/NDF:0.8/1

\+ sign 36.528+/-74.607 χ^2/NDF: 20.3/18

All: 38.813+/-51.342 χ^2/NDF: 39.7/38

\- sign 40.869+/-70.763 χ^2/NDF: 19.5/19

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 220.339+/-0.110 χ^2/NDF:6082.2/2

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

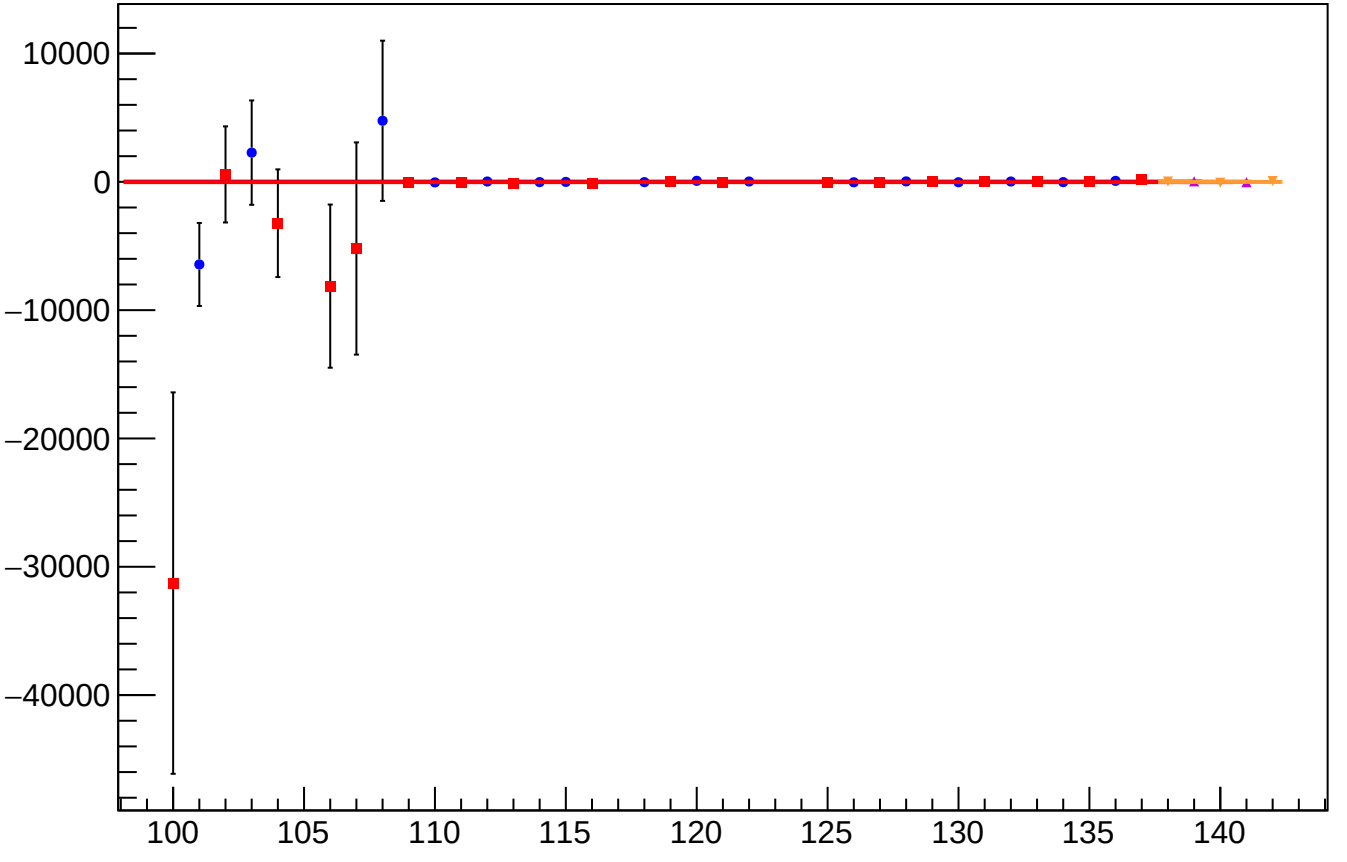
Left In: 209.007+/-0.113 χ^2/NDF:27.7/1

+ sign 198.969+/-0.053 χ^2/NDF: 3878085.5/18

All: 188.518+/-0.036 χ^2/NDF: 8286632.1/38

- sign 179.115+/-0.050 χ^2/NDF: 4333985.7/19

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -6.849+/-21.840 χ^2/NDF:5.9/2

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

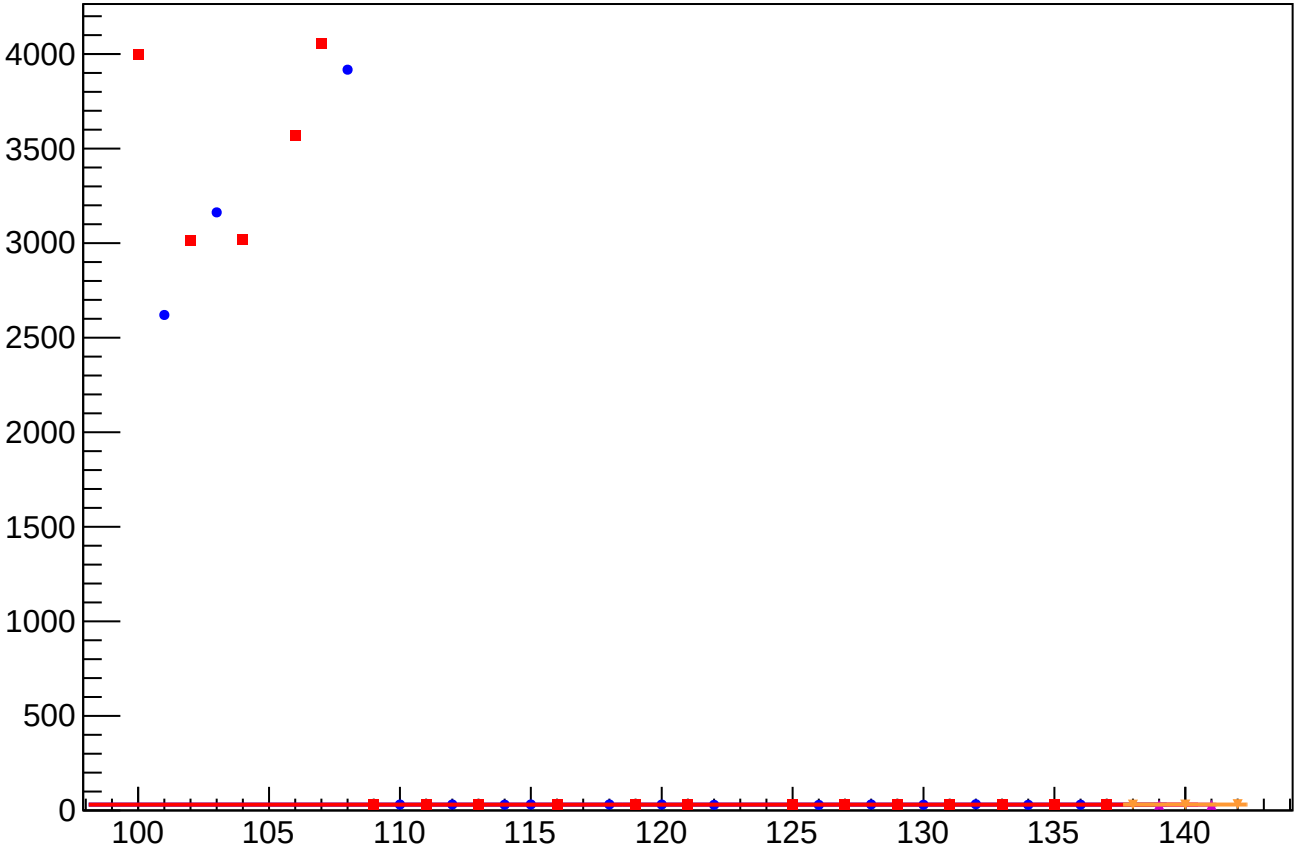
Left In: 4.885+/-23.139 χ^2/NDF:2.1/1

+ sign 8.296+/-11.210 χ^2/NDF: 22.0/18

All: -3.062+/-8.056 χ^2/NDF: 55.6/38

- sign -15.191+/-11.584 χ^2/NDF: 31.5/19

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.252+/-0.015 χ^2/NDF:2956.8/2

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

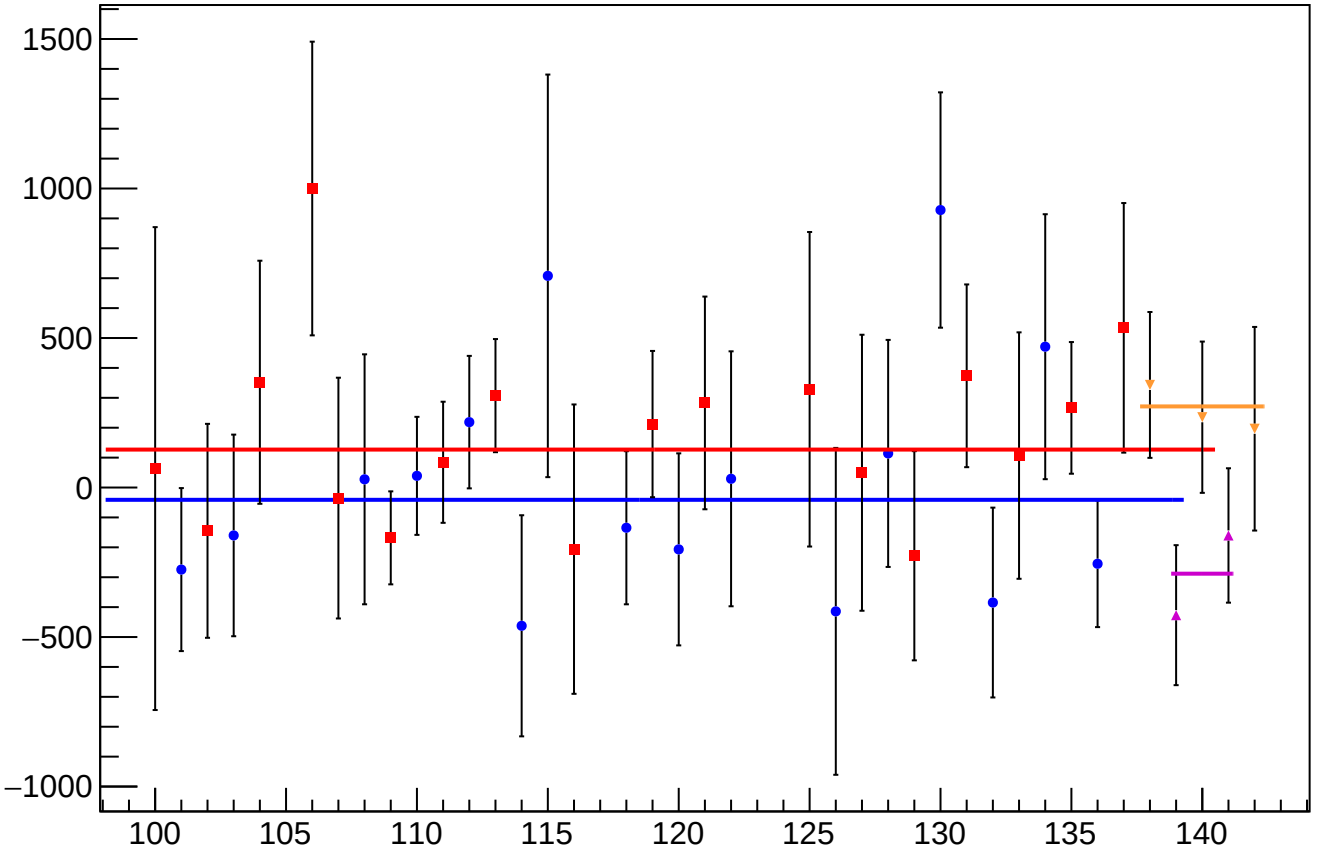
Left In: 30.386+/-0.016 χ^2/NDF:488.1/1

+ sign 31.014+/-0.008 χ^2/NDF: 3255888.1/18

All: 30.862+/-0.006 χ^2/NDF: 6793585.1/38

- sign 30.699+/-0.008 χ^2/NDF: 3536936.8/19

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 271.239+/-156.049 χ^2/NDF:0.2/2

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

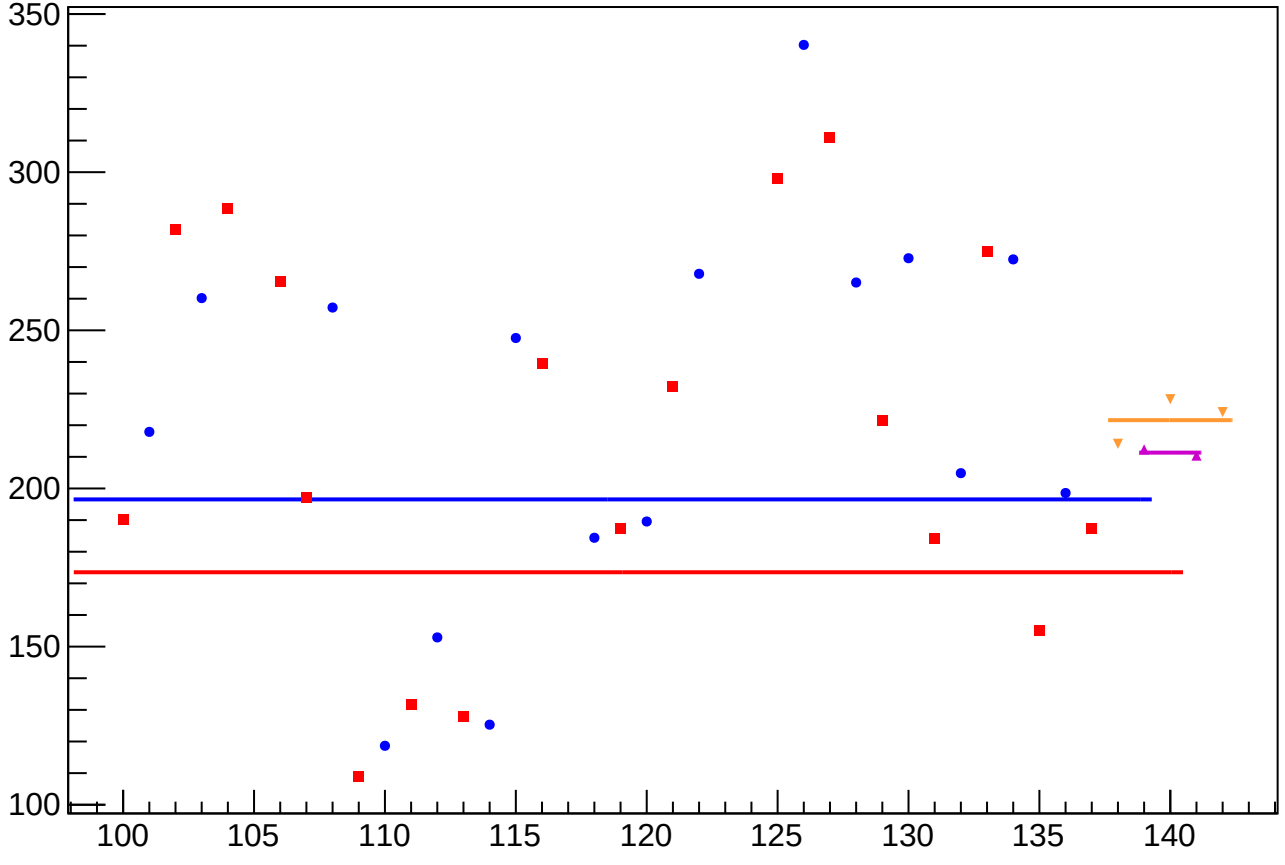
Left In: -288.142+/-162.116 χ^2/NDF:0.7/1

+ sign 20.223+/-69.151 χ^2/NDF: 19.0/18

All: 43.142+/-46.886 χ^2/NDF: 38.2/38

- sign 62.643+/-63.786 χ^2/NDF: 19.0/19

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.598+/-0.110 χ^2/NDF:3362.1/2

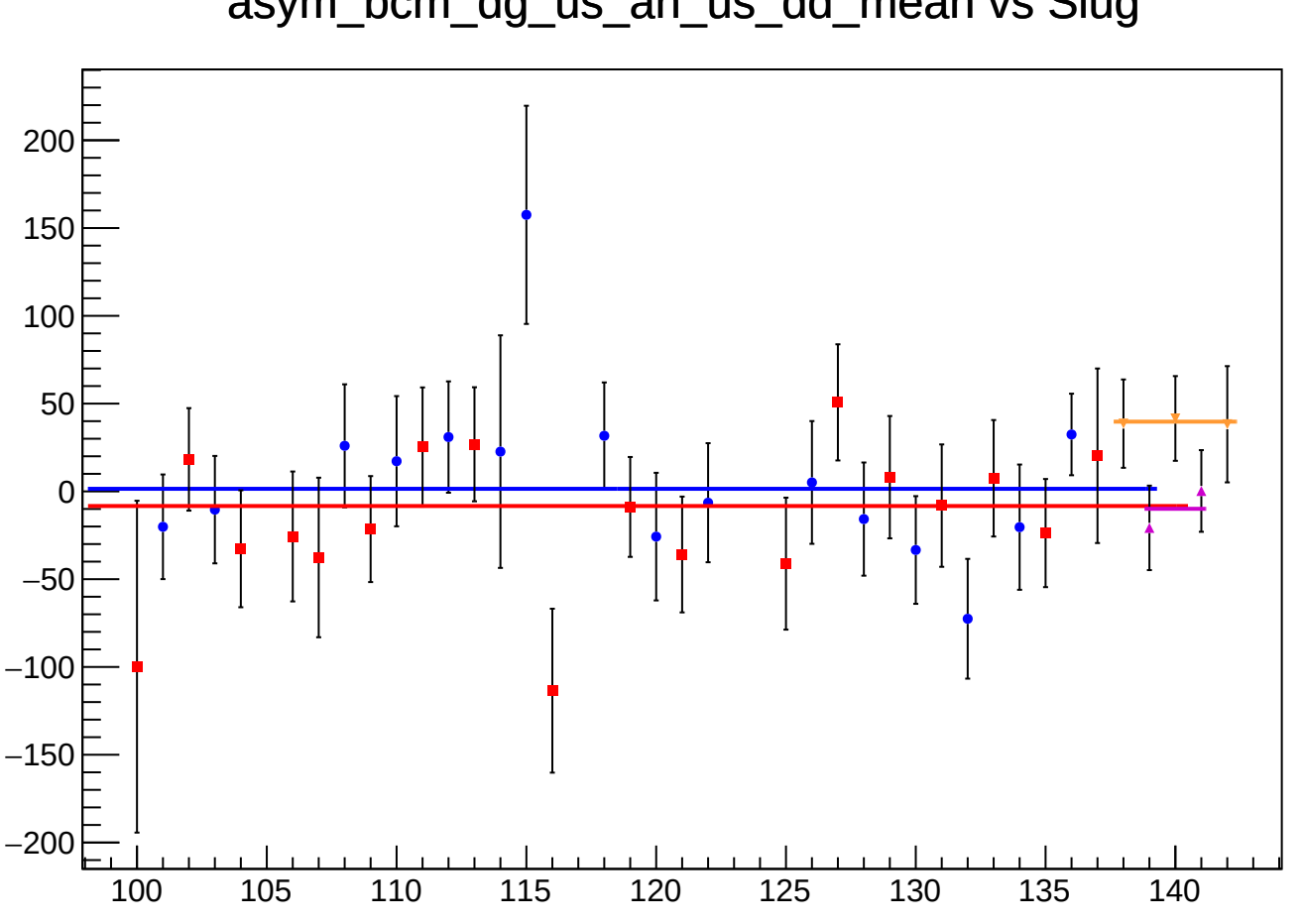
Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 211.330+/-0.115 χ^2/NDF:73.6/1

+ sign 201.462+/-0.049 χ^2/NDF: 1045569.3/18

All: 189.523+/-0.033 χ^2/NDF: 2780713.4/38

- sign 179.364+/-0.045 χ^2/NDF: 1624794.1/19



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 39.724+/-15.410 χ^2/NDF:0.0/2

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

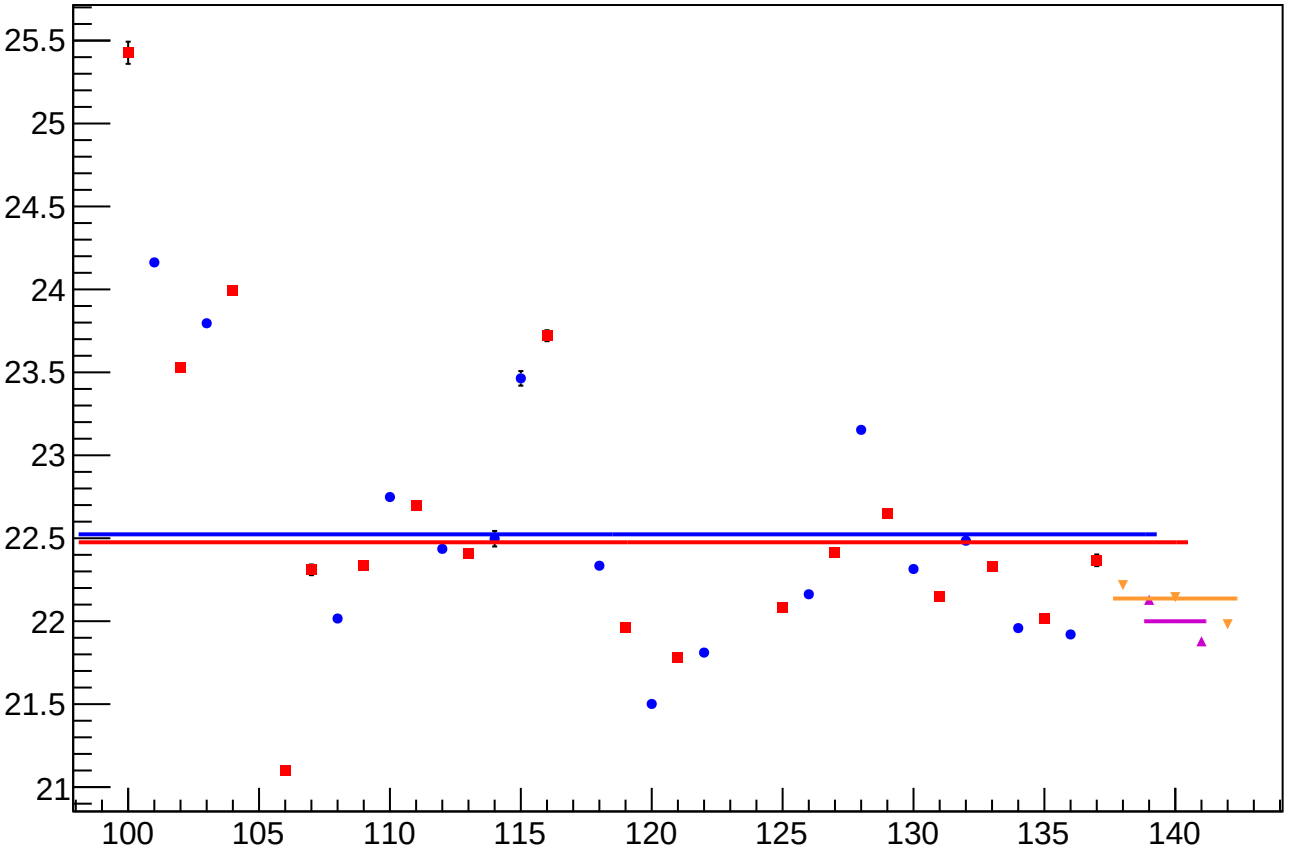
Left In: -9.911+/-16.721 χ^2/NDF:0.4/1

+ sign 10.189+/-7.355 χ^2/NDF: 23.4/18

All: 0.862+/-5.225 χ^2/NDF: 43.1/38

- sign -8.641+/-7.424 χ^2/NDF: 16.4/19

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.137+/-0.011 χ^2/NDF:64.7/2

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

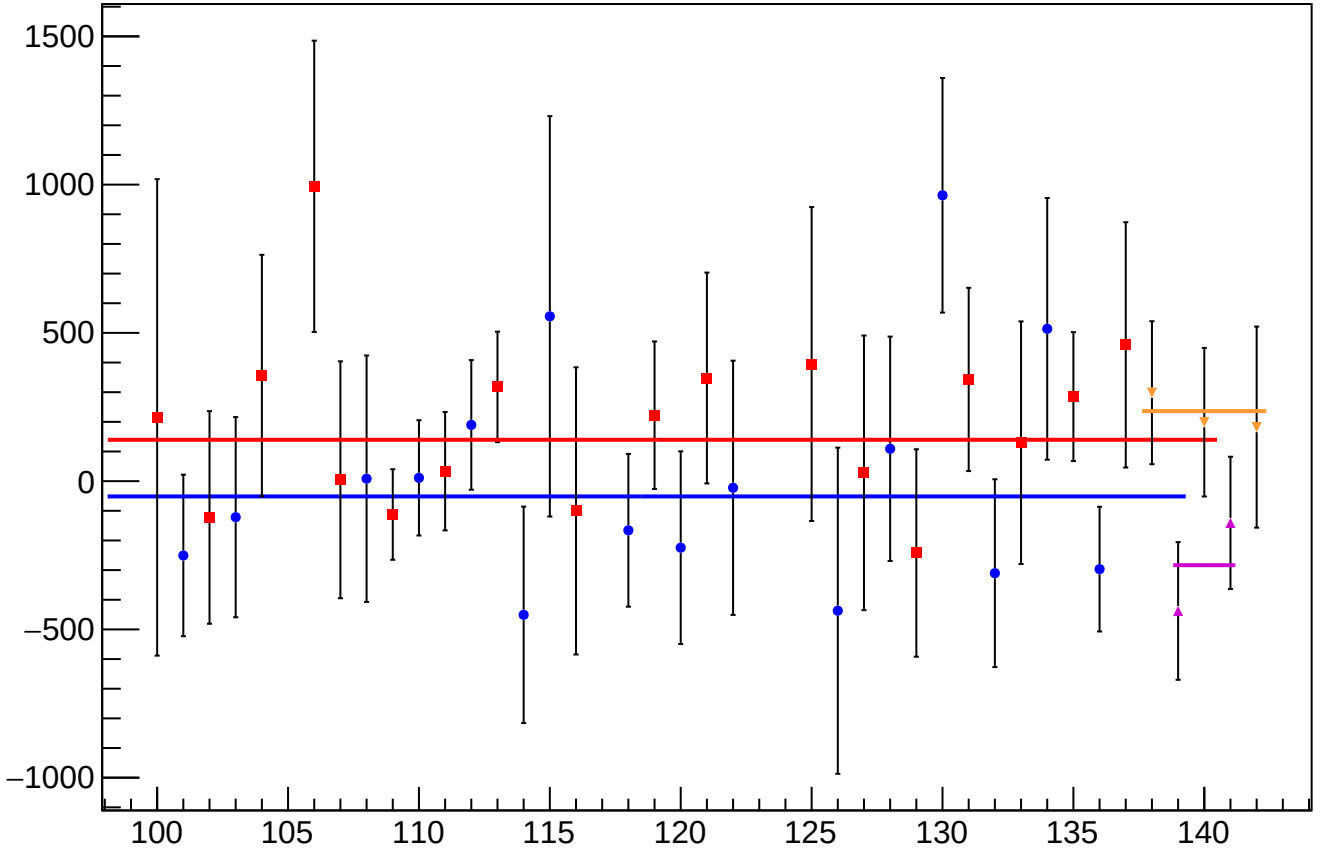
Left In: 22.000+/-0.012 χ^2/NDF:111.4/1

+ sign 22.435+/-0.005 χ^2/NDF: 16986.2/18

All: 22.409+/-0.004 χ^2/NDF: 33988.4/38

- sign 22.382+/-0.005 χ^2/NDF: 16949.5/19

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 236.294+/-154.596 χ^2/NDF:0.1/2

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

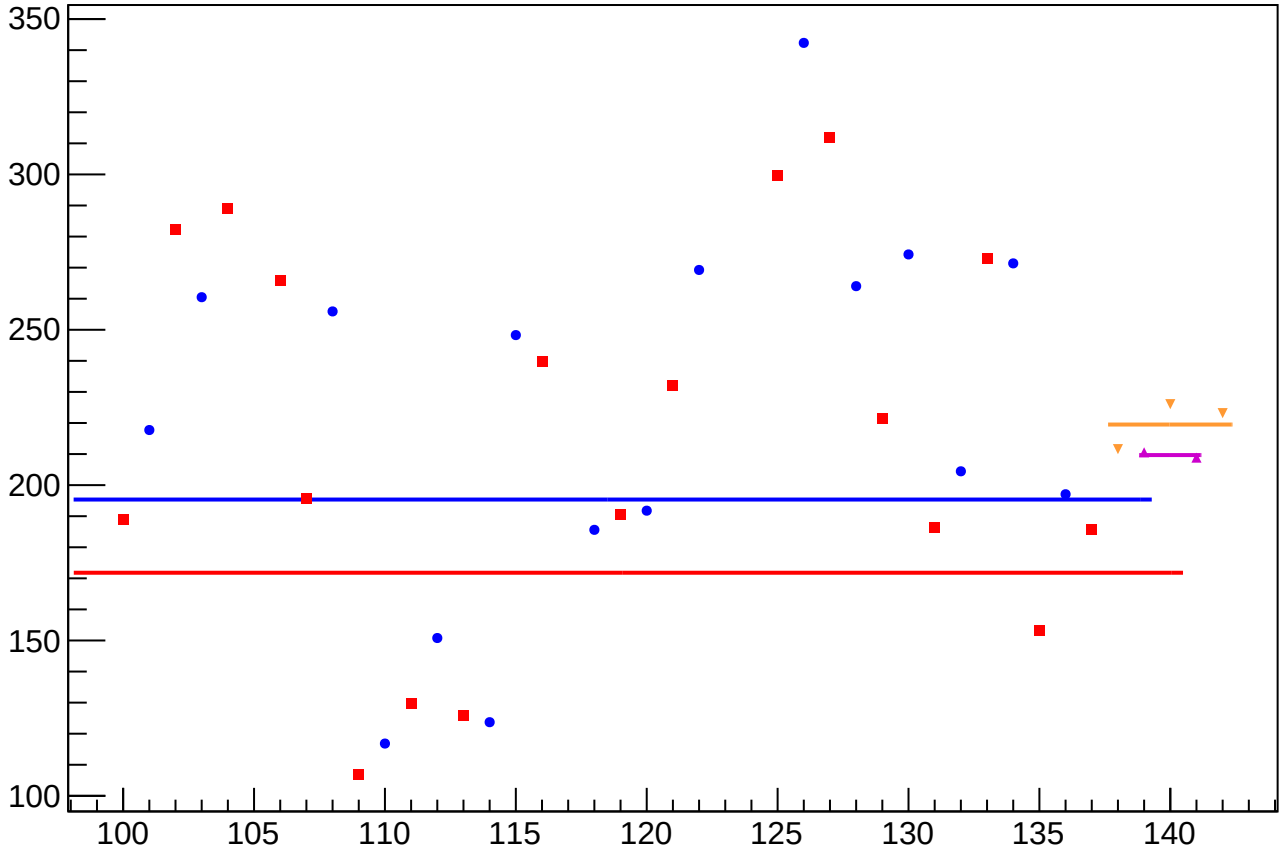
Left In: -283.409+/-160.860 χ^2/NDF:0.9/1

\+ sign 5.470+/-68.779 χ^2/NDF: 18.2/18

All: 42.558+/-46.587 χ^2/NDF: 37.0/38

\- sign 73.998+/-63.326 χ^2/NDF: 18.2/19

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 219.502+/-0.109 χ^2/NDF:3762.5/2

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

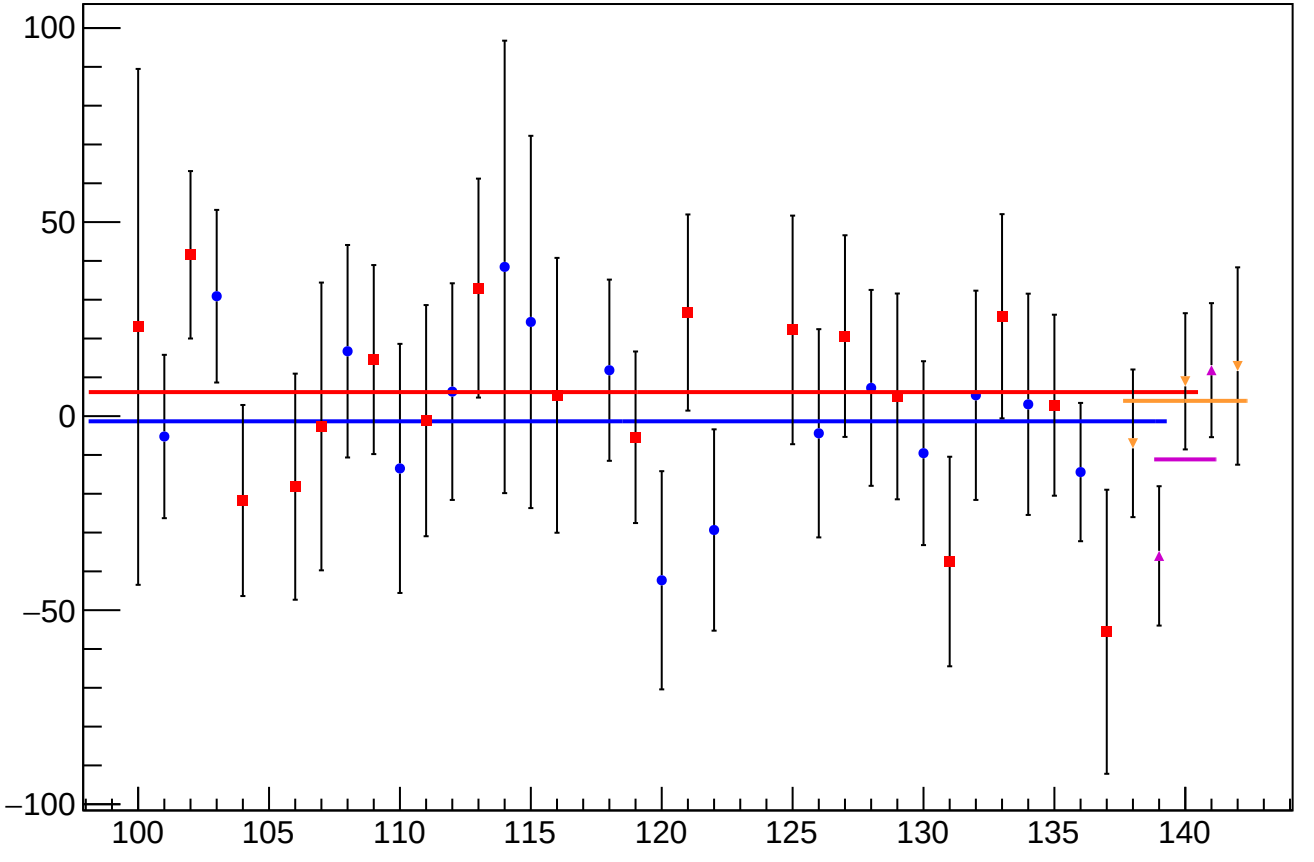
Left In: 209.674+/-0.114 χ^2/NDF:56.0/1

+ sign 200.139+/-0.049 χ^2/NDF: 1084311.4/18

All: 187.981+/-0.033 χ^2/NDF: 2894175.8/38

- sign 177.674+/-0.045 χ^2/NDF: 1694380.9/19

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.939+/-11.504 χ^2/NDF:0.5/2

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

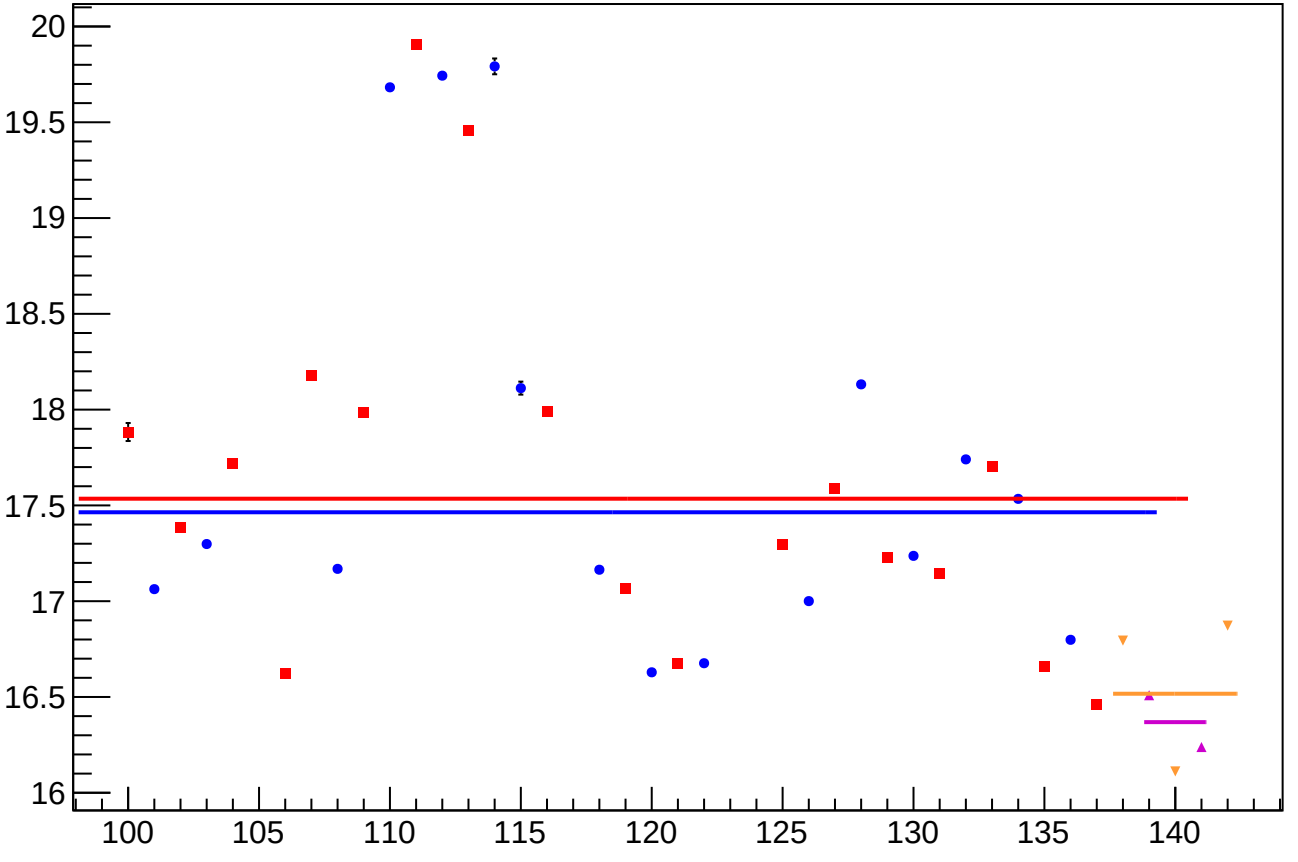
Left In: -11.147+/-12.447 χ^2/NDF:3.7/1

+ sign -0.056+/-5.658 χ^2/NDF: 8.7/18

All: 1.205+/-4.030 χ^2/NDF: 27.5/38

- sign 2.504+/-5.743 χ^2/NDF: 18.7/19

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.517+/-0.008 χ^2/NDF:1883.9/2

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

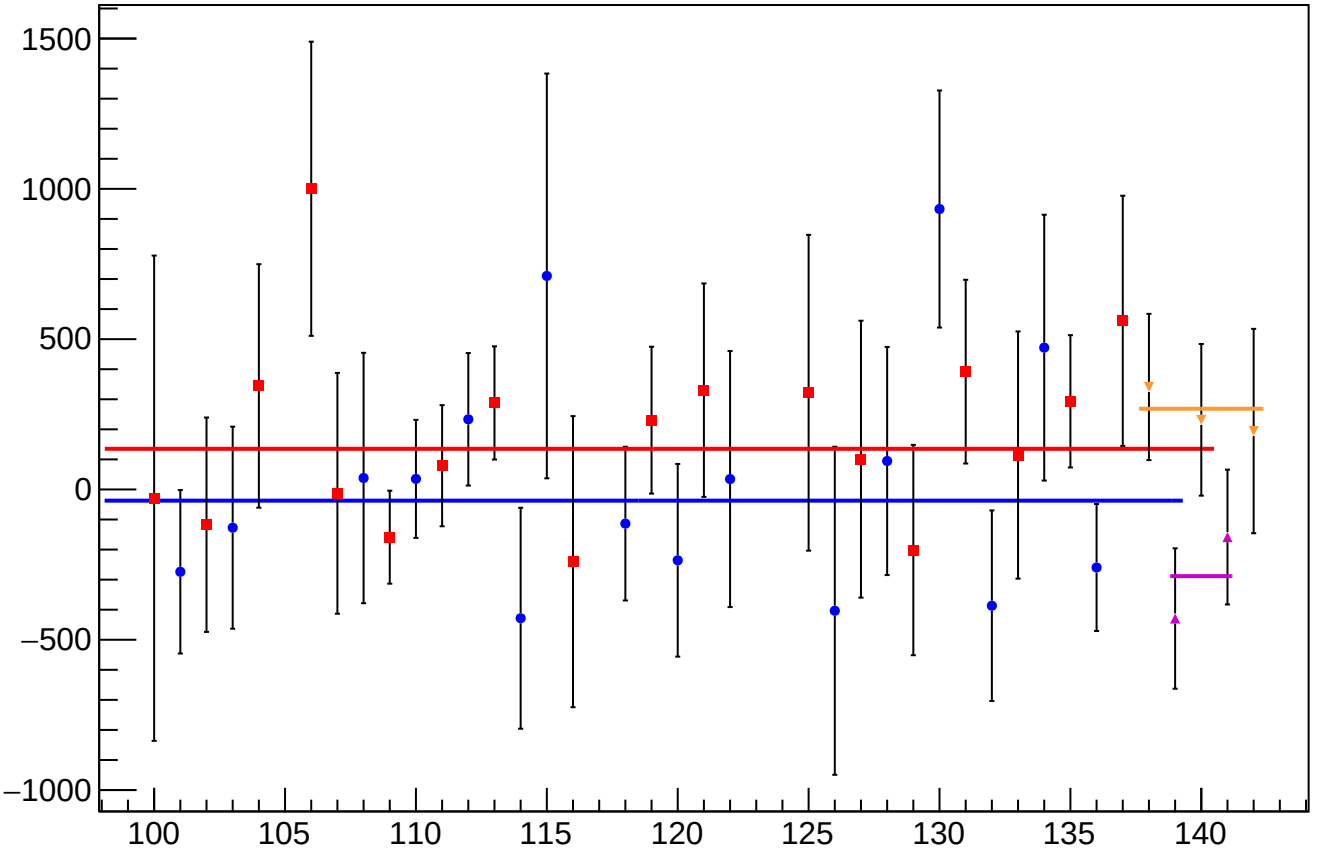
Left In: 16.369+/-0.009 χ^2/NDF:235.5/1

\+ sign 17.235+/-0.004 χ^2/NDF: 48814.4/18

All: 17.260+/-0.003 χ^2/NDF: 97429.7/38

\- sign 17.287+/-0.004 χ^2/NDF: 48533.0/19

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 268.577+/-155.668 χ^2/NDF:0.2/2

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

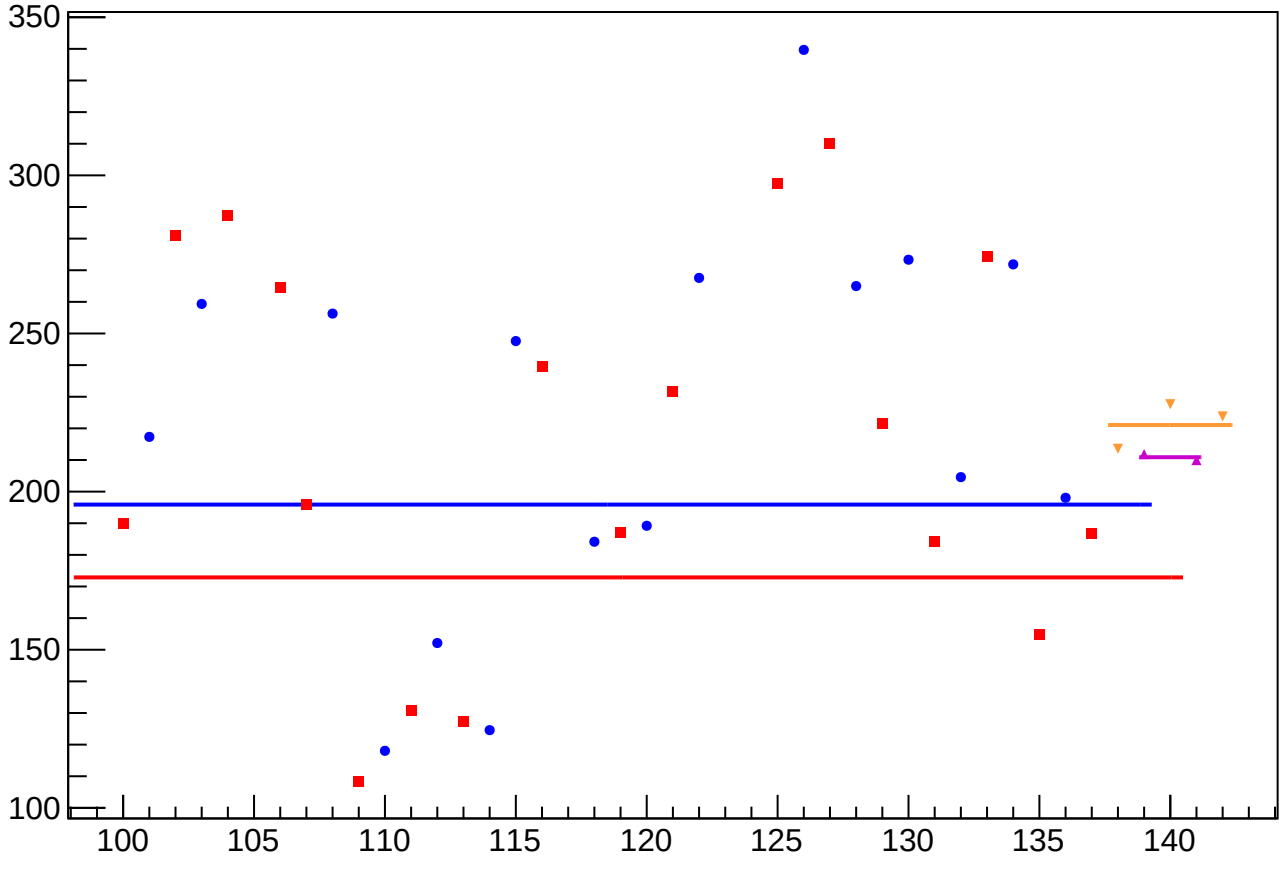
Left In: -288.365+/-161.769 χ^2/NDF:0.7/1

+ sign 22.768+/-68.957 χ^2/NDF: 18.9/18

All: 48.194+/-46.747 χ^2/NDF: 38.5/38

- sign 69.817+/-63.590 χ^2/NDF: 19.3/19

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.057+/-0.110 χ^2/NDF:3392.0/2

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

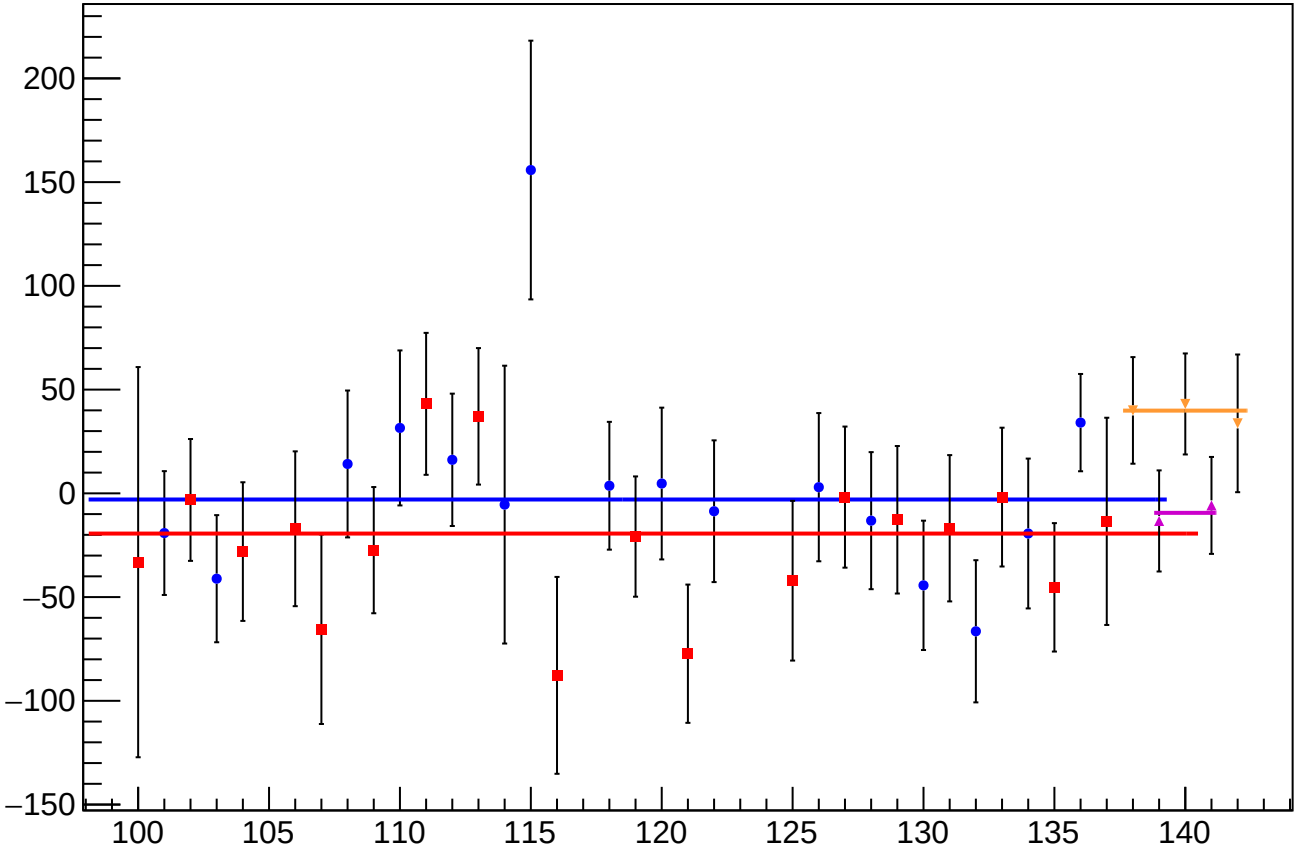
Left In: 210.877+/-0.114 χ^2/NDF:69.6/1

+ sign 200.836+/-0.049 χ^2/NDF: 1056390.6/18

All: 188.898+/-0.033 χ^2/NDF: 2803970.2/38

- sign 178.745+/-0.045 χ^2/NDF: 1636653.2/19

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 39.872+/-15.598 χ^2/NDF:0.1/2

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

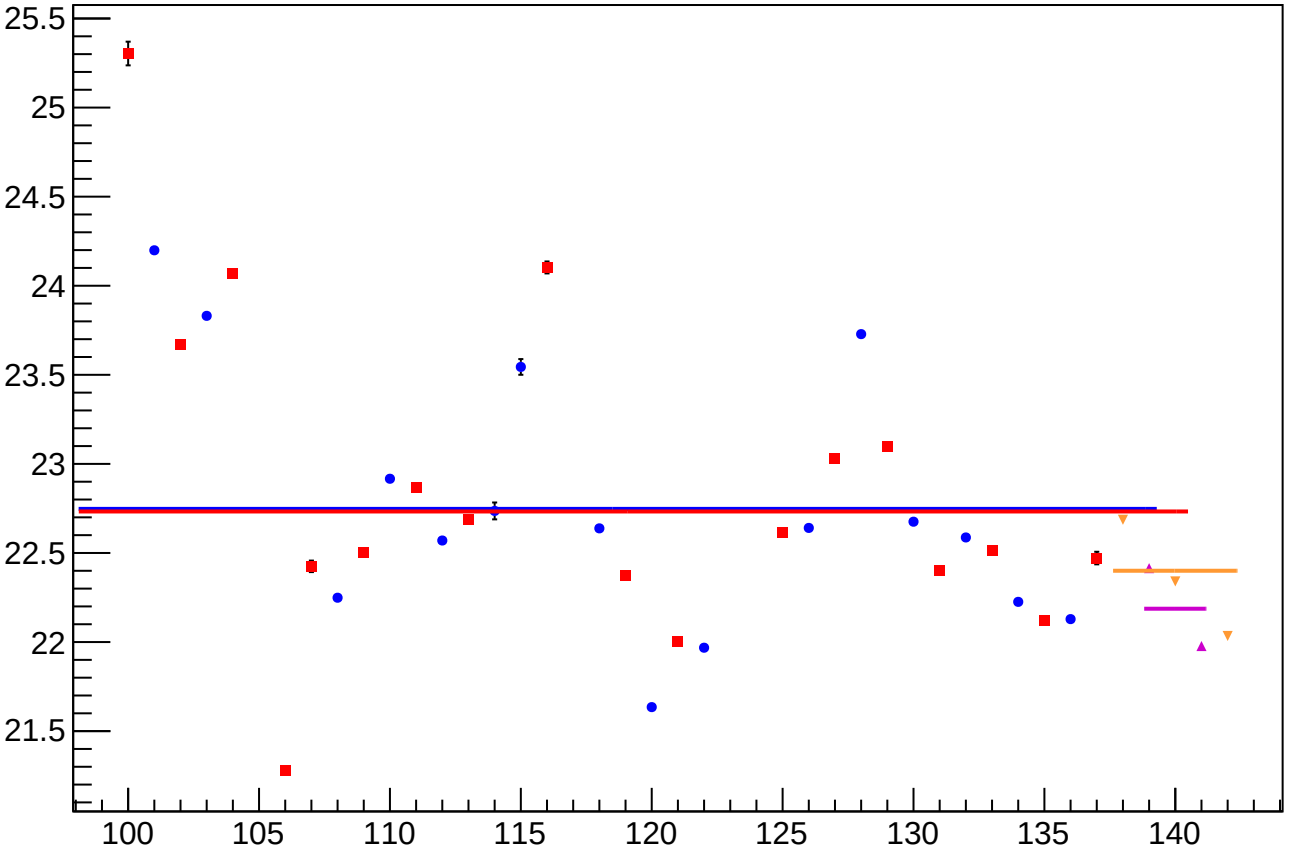
Left In: -9.404+/-16.865 χ^2/NDF:0.0/1

+ sign 6.760+/-7.433 χ^2/NDF: 23.8/18

All: -5.207+/-5.281 χ^2/NDF: 43.9/38

- sign -17.410+/-7.506 χ^2/NDF: 14.9/19

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.400+/-0.011 χ^2/NDF:503.6/2

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

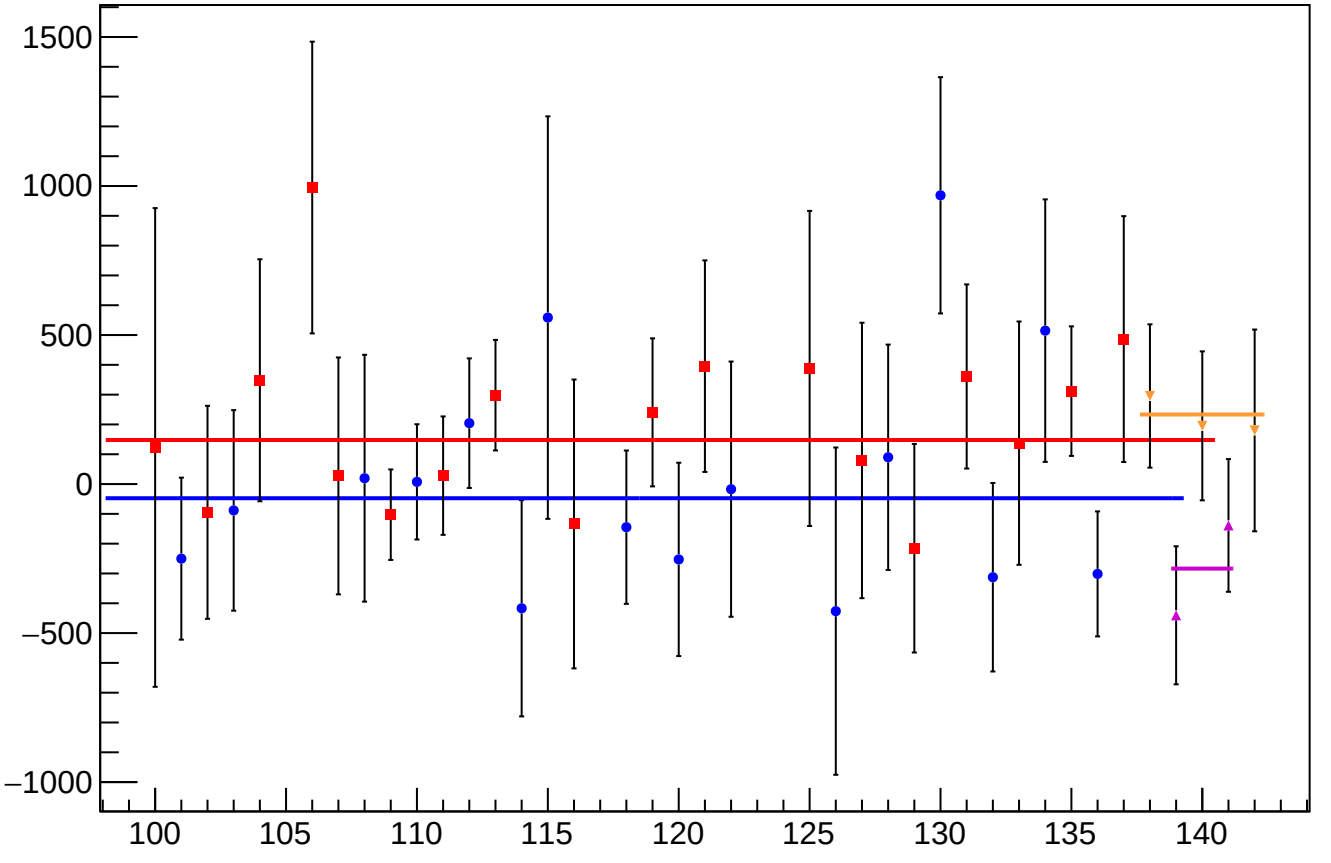
Left In: 22.187+/-0.012 χ^2/NDF:335.3/1

+ sign 22.669+/-0.005 χ^2/NDF: 15892.6/18

All: 22.647+/-0.004 χ^2/NDF: 32332.1/38

- sign 22.625+/-0.005 χ^2/NDF: 16405.1/19

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 233.366+/-154.215 χ^2/NDF:0.1/2

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

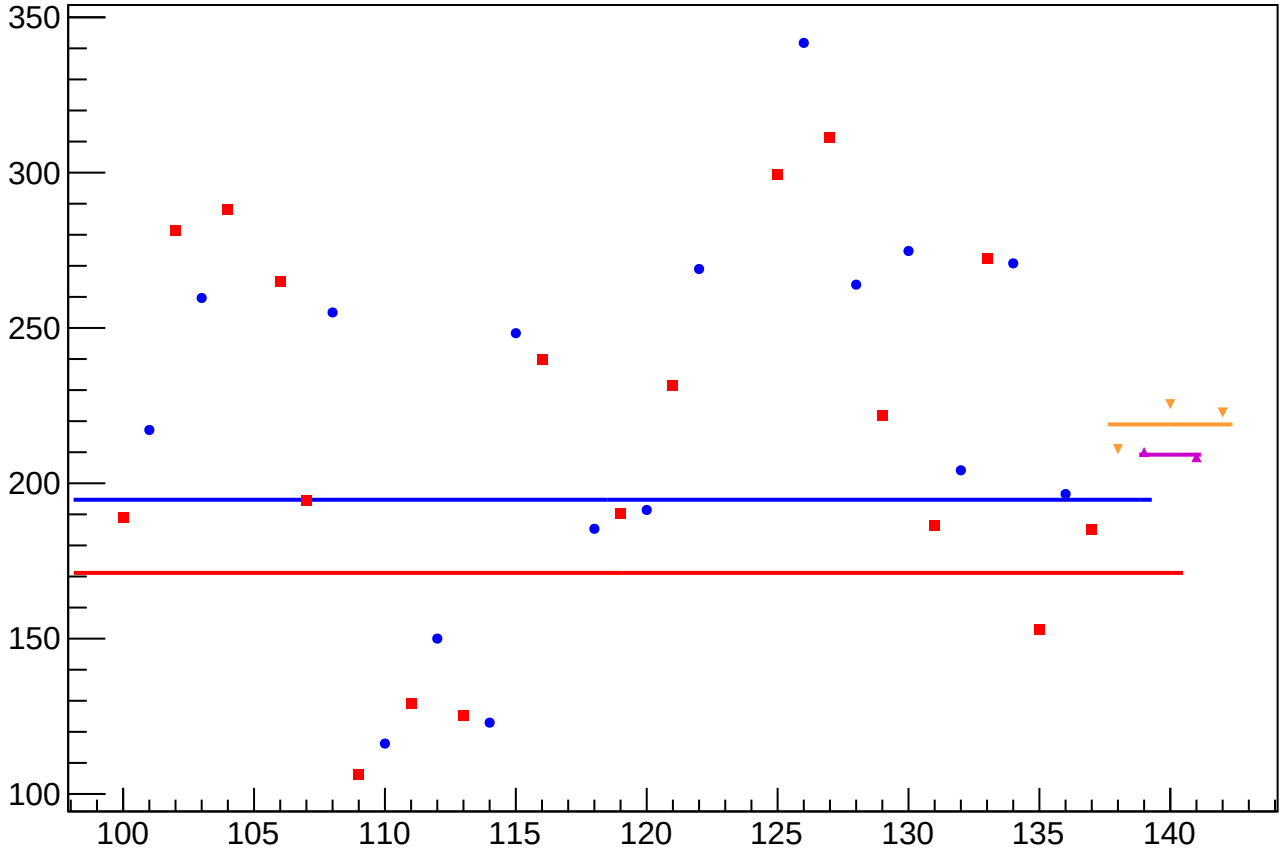
Left In: -283.621+/-160.511 χ^2/NDF:0.9/1

\+ sign 8.030+/-68.582 χ^2/NDF: 18.2/18

All: 47.576+/-46.446 χ^2/NDF: 37.3/38

\- sign 81.080+/-63.127 χ^2/NDF: 18.5/19

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 218.960+/-0.109 χ^2/NDF:3804.8/2

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

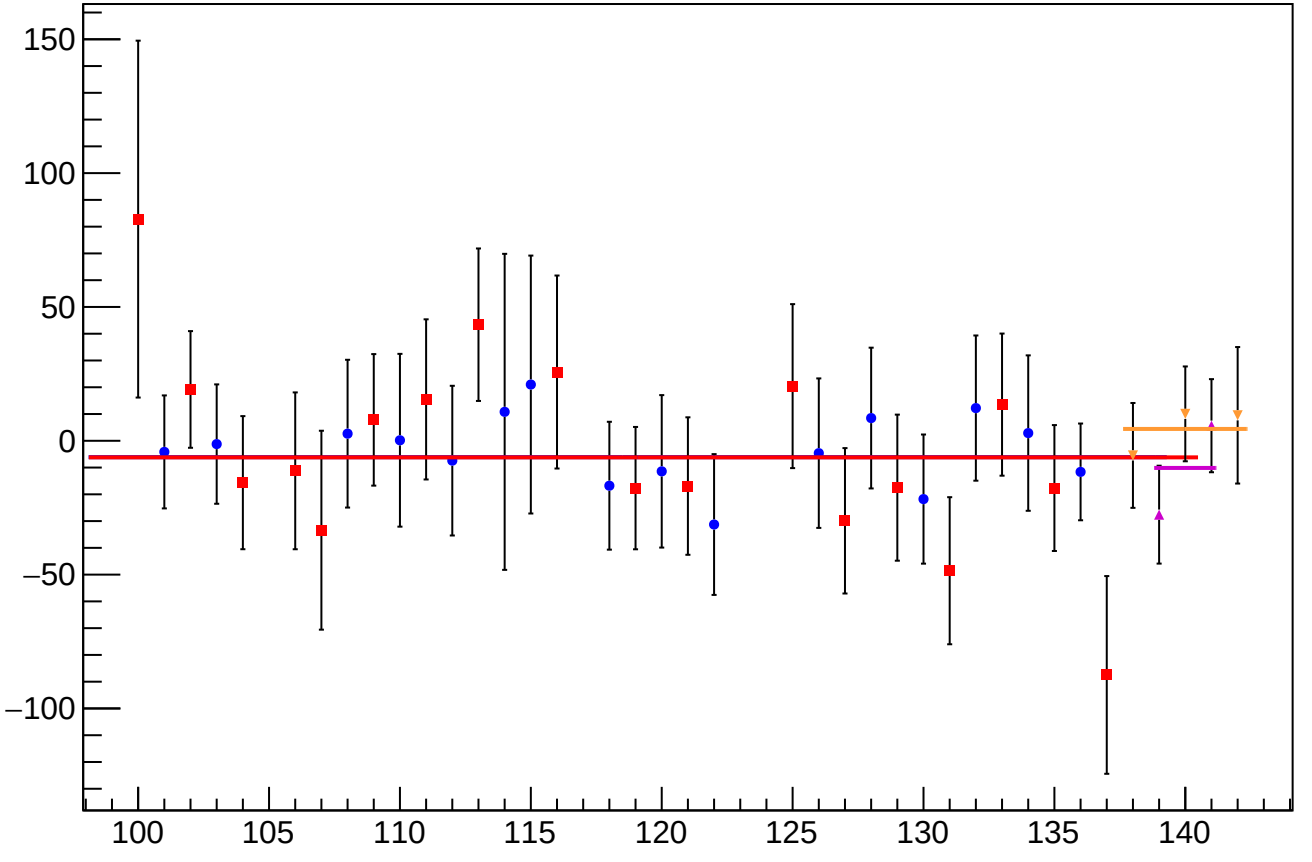
Left In: 209.217+/-0.113 χ^2/NDF:52.3/1

+ sign 199.504+/-0.048 χ^2/NDF: 1095773.9/18

All: 187.345+/-0.033 χ^2/NDF: 2918952.0/38

- sign 177.043+/-0.045 χ^2/NDF: 1707047.5/19

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.427+/-11.679 χ^2/NDF:0.4/2

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

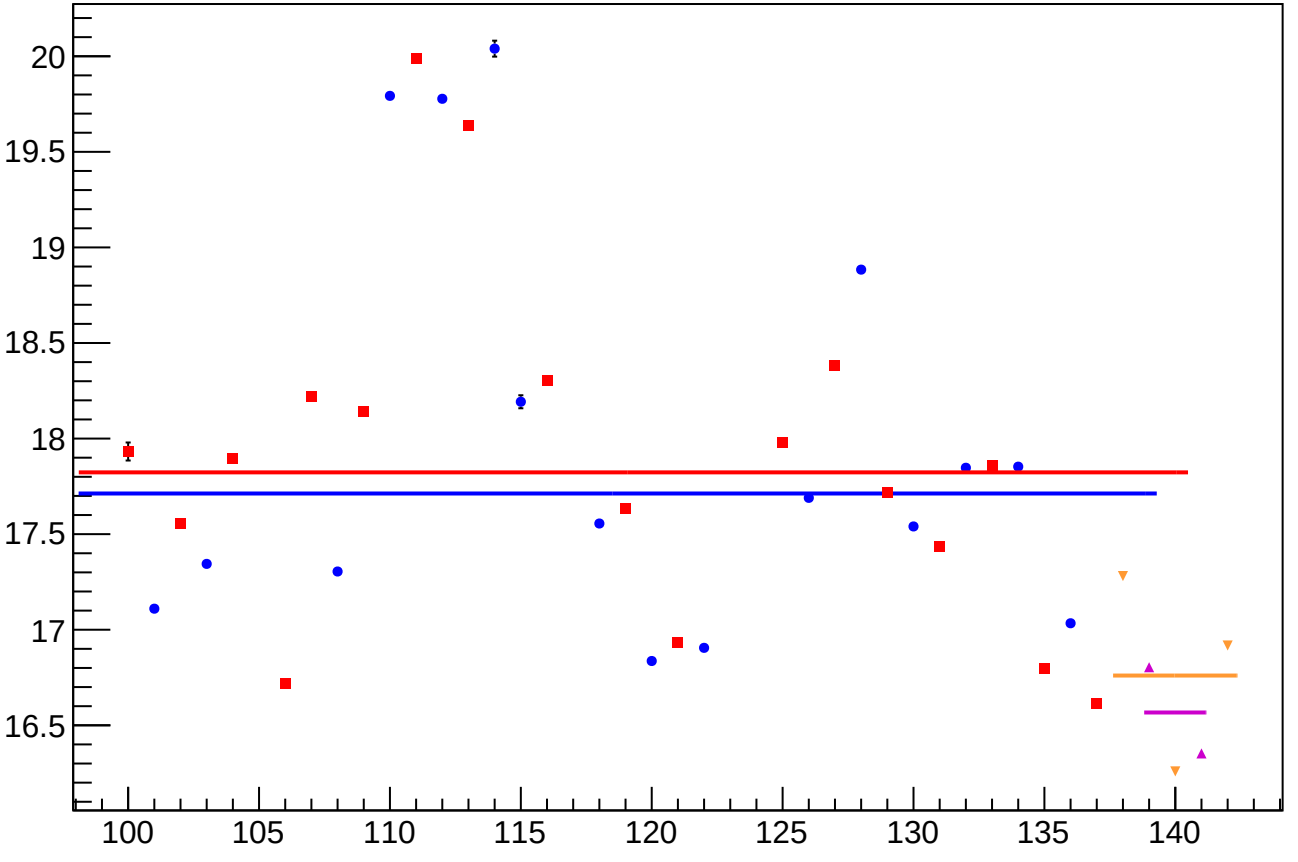
Left In: -10.143+/-12.602 χ^2/NDF:1.7/1

+ sign -3.571+/-5.741 χ^2/NDF: 4.1/18

All: -5.278+/-4.092 χ^2/NDF: 24.8/38

- sign -7.040+/-5.833 χ^2/NDF: 20.4/19

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.760+/-0.008 χ^2/NDF:3090.6/2

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

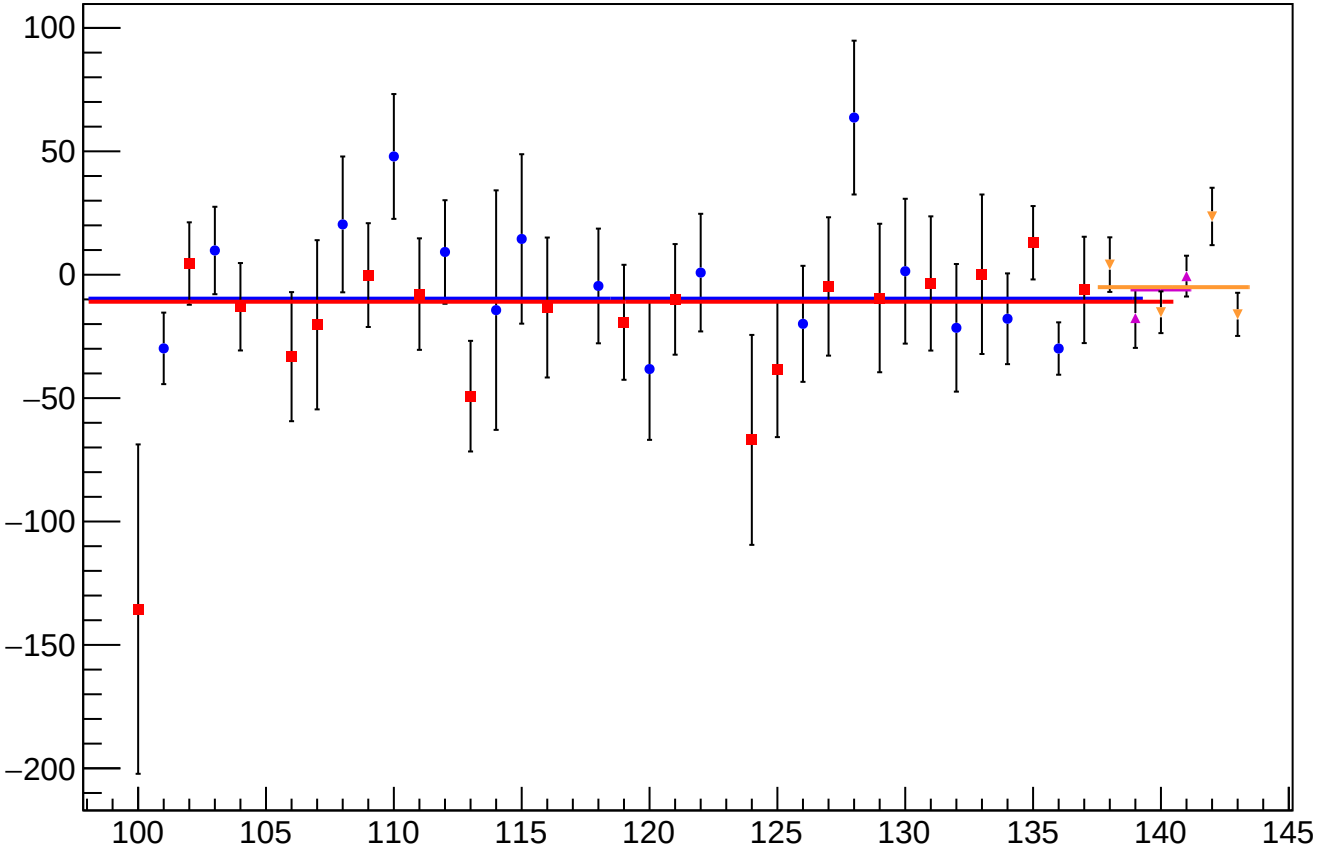
Left In: 16.567+/-0.009 χ^2/NDF:638.7/1

+ sign 17.483+/-0.004 χ^2/NDF: 49159.2/18

All: 17.518+/-0.003 χ^2/NDF: 98067.5/38

- sign 17.554+/-0.004 χ^2/NDF: 48755.5/19

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -5.038+/-4.843 χ^2/NDF:9.8/3

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

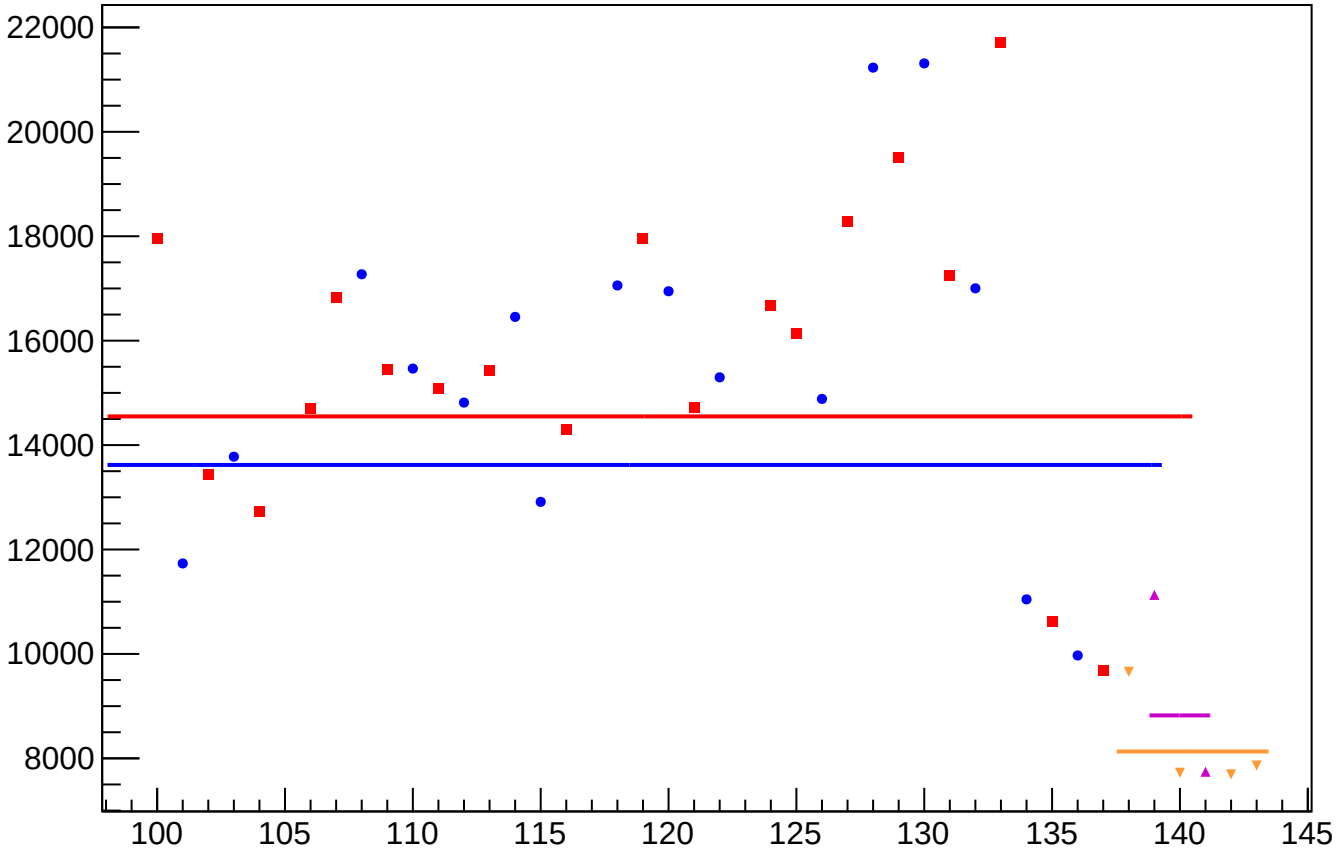
Left In: -5.972+/-6.829 χ^2/NDF:1.3/1

+ sign -7.190+/-3.554 χ^2/NDF: 32.2/19

All: -7.939+/-2.727 χ^2/NDF: 48.1/40

- sign -9.012+/-4.253 χ^2/NDF: 15.7/20

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8131.368+/-3.424 χ^2/NDF:47405.2/3

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

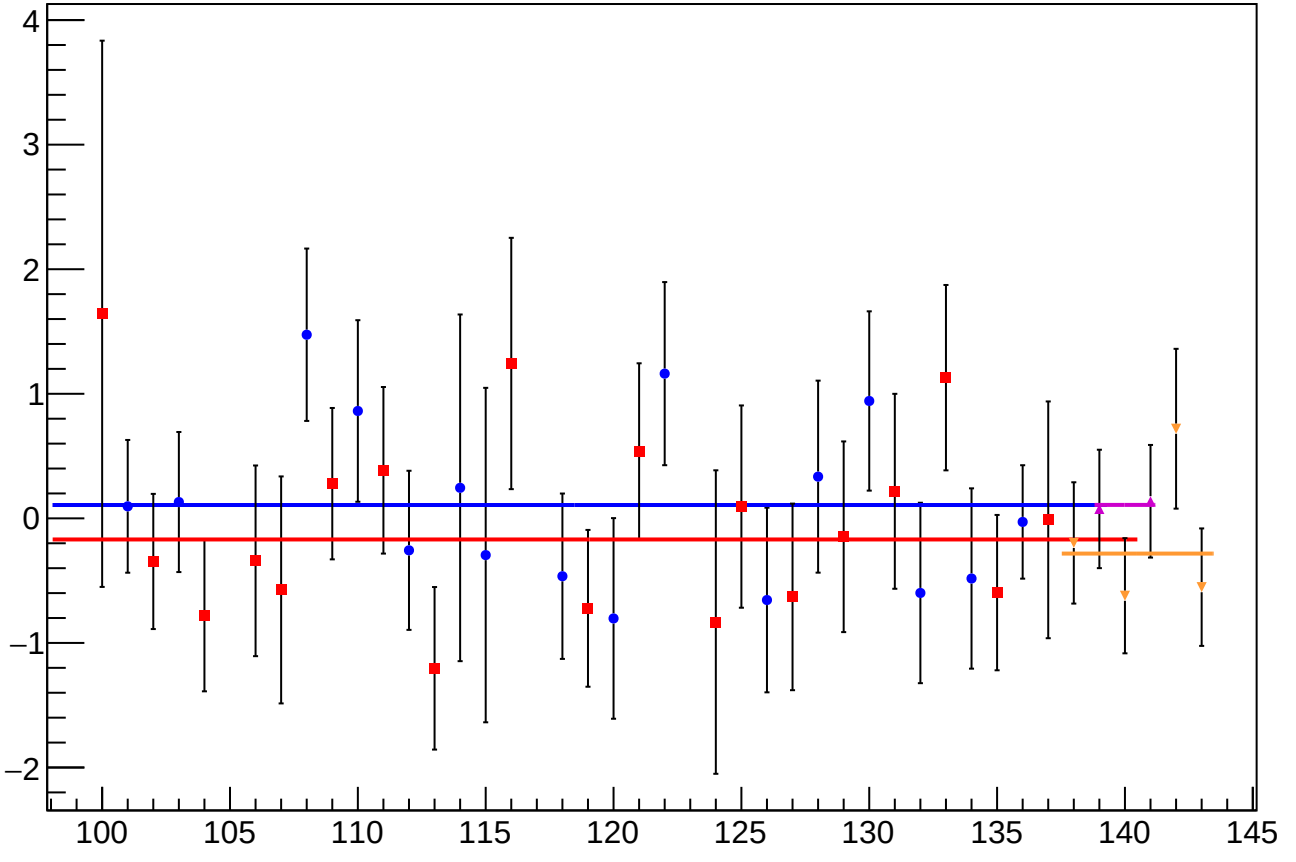
Left In: 8822.370+/-4.829 χ^2/NDF:106752.6/1

+ sign 10664.128+/-2.513 χ^2/NDF: 1979912.4/19

All: 11348.214+/-1.928 χ^2/NDF: 3683936.7/4

- sign 12328.029+/-3.007 χ^2/NDF: 1523768.0/20

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.283+/-0.251 χ^2/NDF:3.3/3

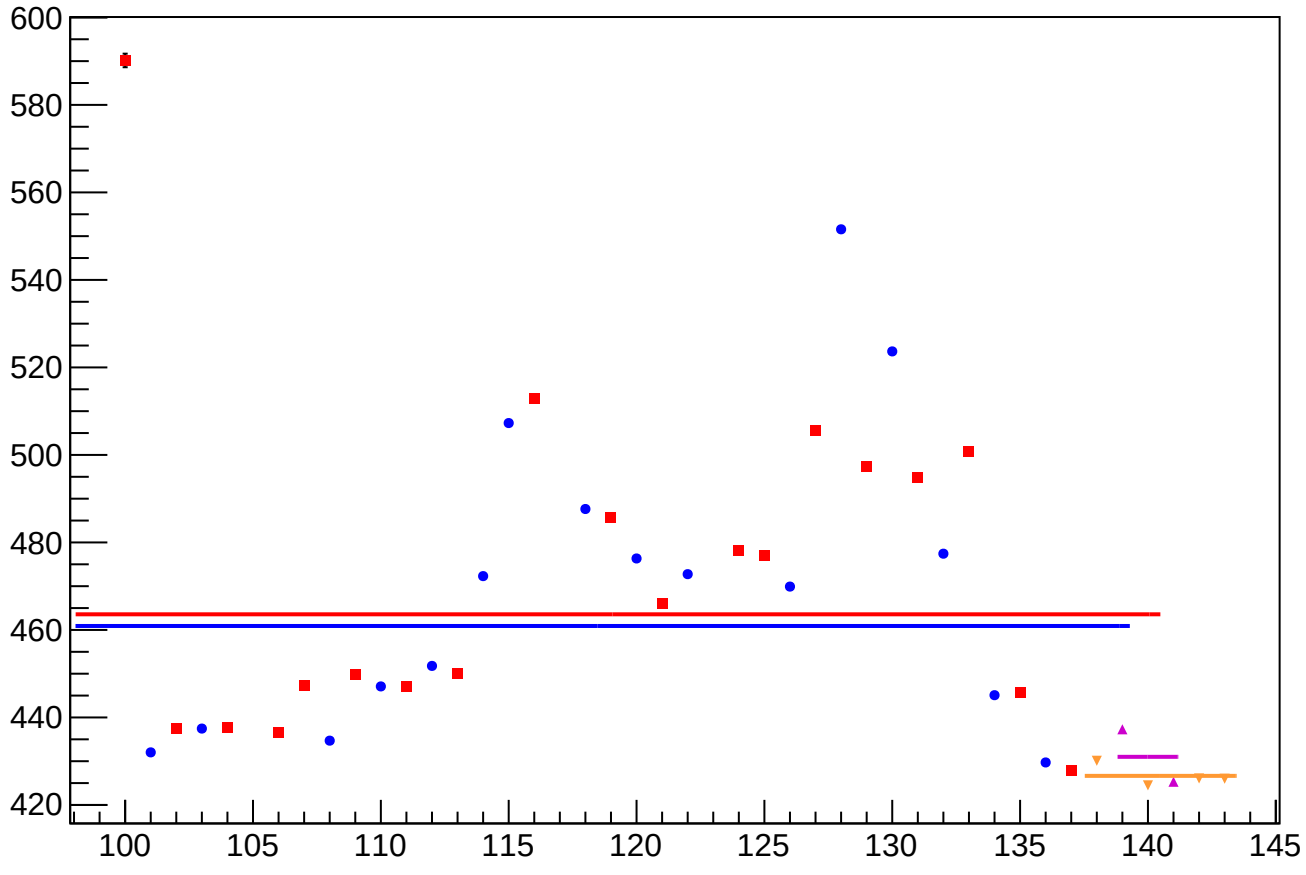
Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.108+/-0.328 χ^2/NDF:0.0/1

+ sign -0.017+/-0.142 χ^2/NDF: 18.7/19

All: -0.061+/-0.103 χ^2/NDF: 33.5/40

- sign -0.111+/-0.150 χ^2/NDF: 14.7/20



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 426.650+/-0.178 χ^2/NDF:150.1/3

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

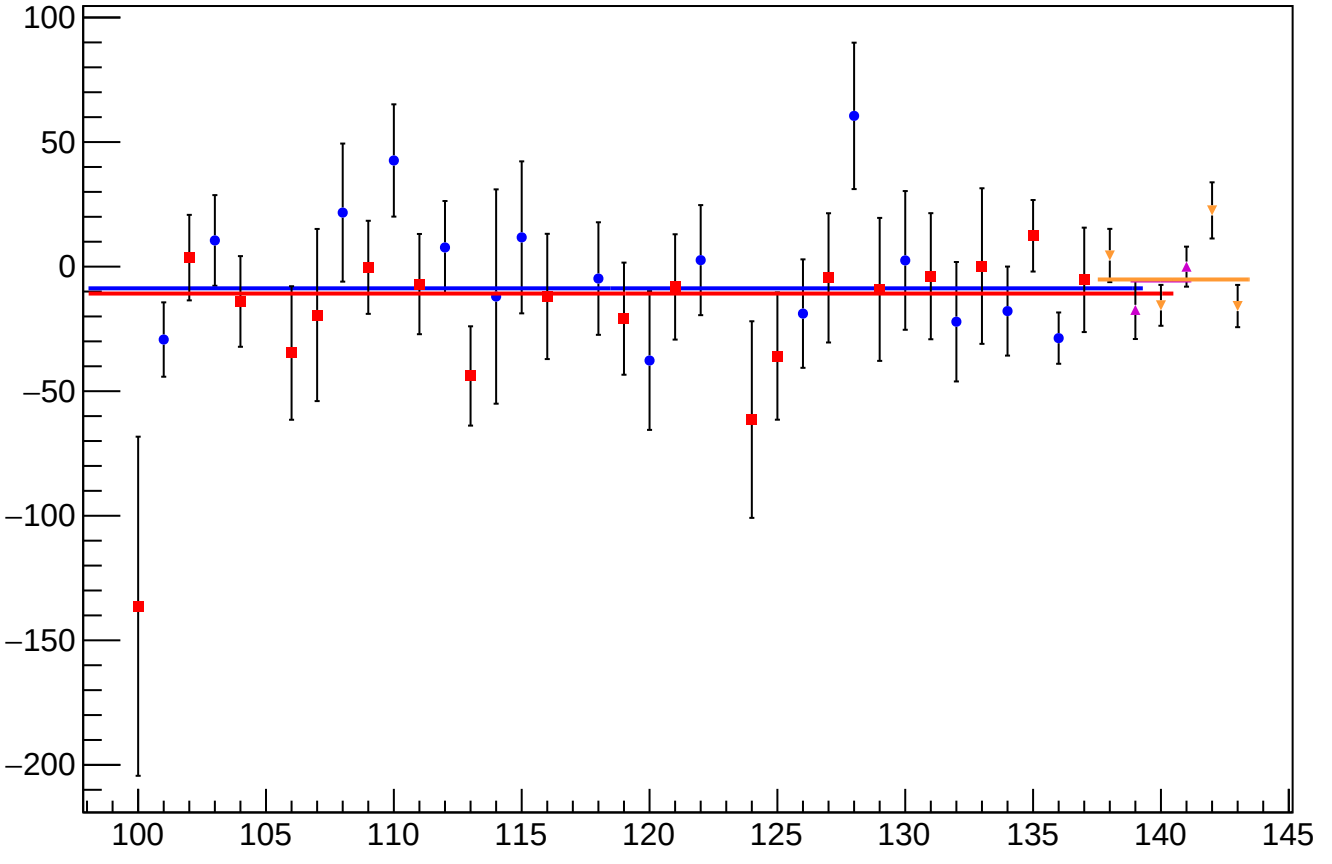
Left In: 431.002+/-0.232 χ^2/NDF:668.2/1

+ sign 450.007+/-0.100 χ^2/NDF: 100406.0/19

All: 453.153+/-0.073 χ^2/NDF: 170945.1/40

- sign 456.697+/-0.106 χ^2/NDF: 68445.3/20

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -5.158+/-4.695 χ^2/NDF:10.0/3

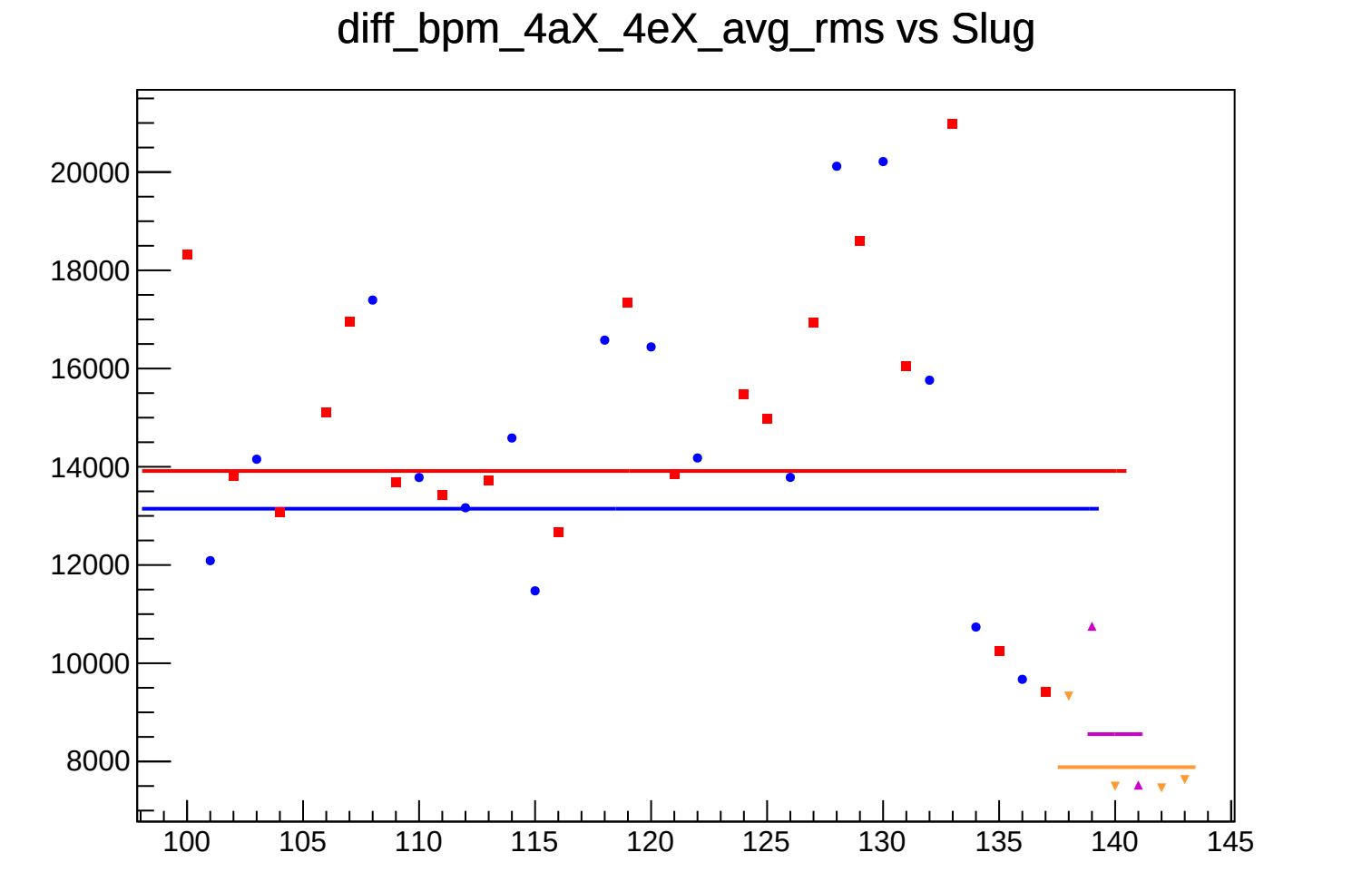
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -5.570+/-6.620 χ^2/NDF:1.5/1

+ sign -6.808+/-3.434 χ^2/NDF: 32.6/19

All: -7.638+/-2.629 χ^2/NDF: 48.5/40

- sign -8.813+/-4.085 χ^2/NDF: 15.8/20



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 7884.263+/-3.320 χ^2/NDF:45664.5/3

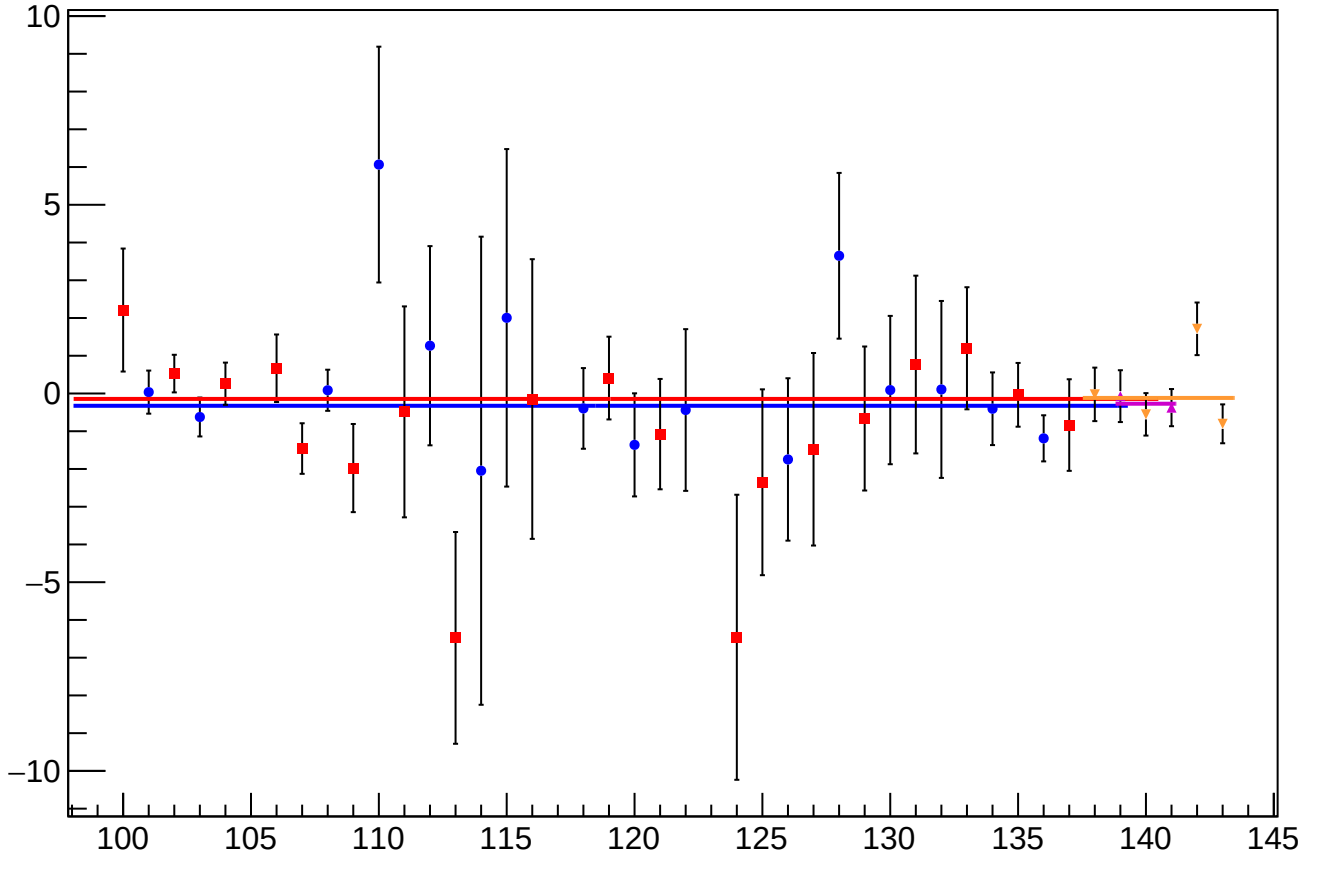
Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8556.704+/-4.681 χ^2/NDF:103936.8/1

+ sign 10330.801+/-2.428 χ^2/NDF: 1896453.5/19

All: 10969.915+/-1.859 χ^2/NDF: 3489937.9/4

- sign 11874.508+/-2.889 χ^2/NDF: 1426140.1/20



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.118+/-0.302 χ^2/NDF:9.3/3

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

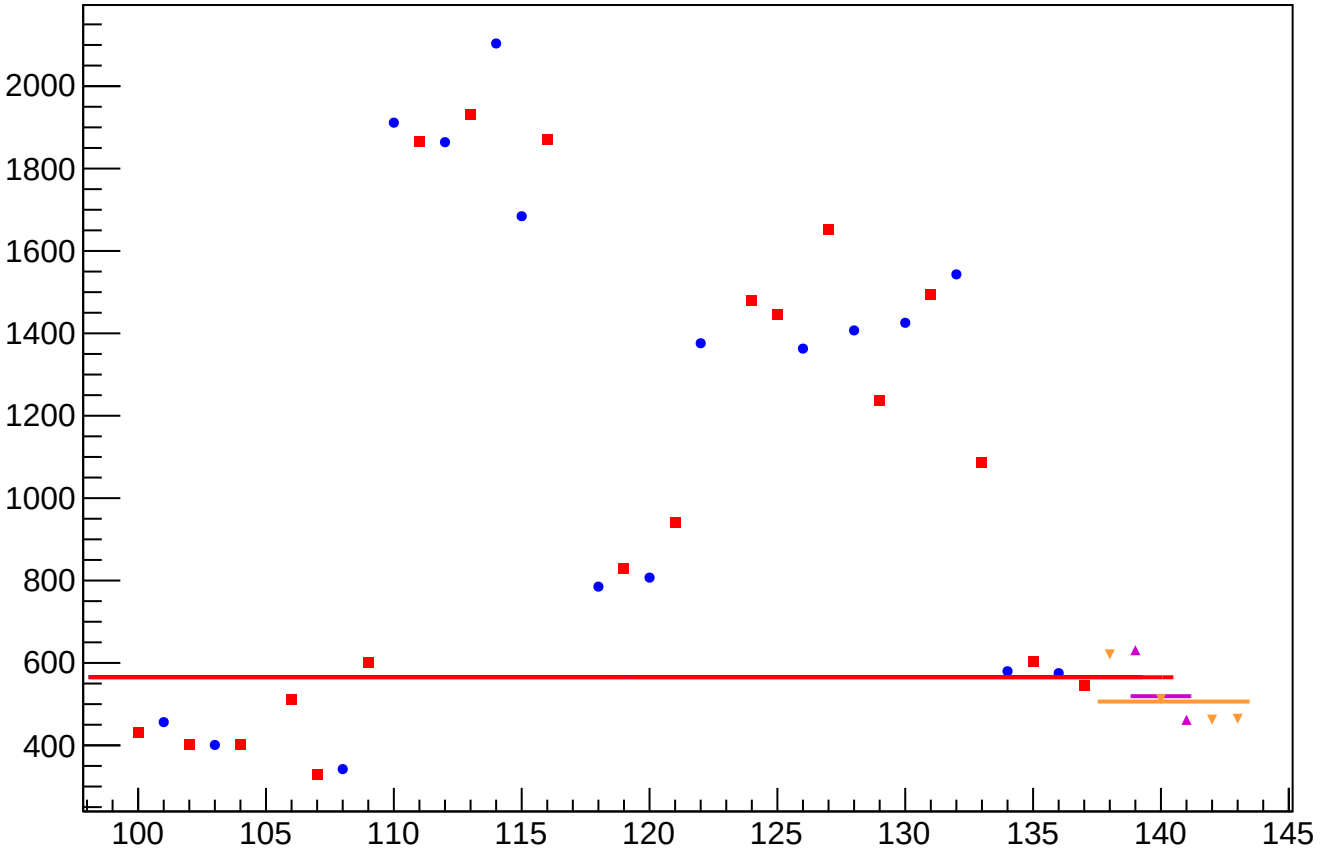
Left In: -0.271+/-0.400 χ^2/NDF:0.1/1

+ sign -0.243+/-0.190 χ^2/NDF: 22.2/19

All: -0.214+/-0.140 χ^2/NDF: 44.9/40

- sign -0.178+/-0.209 χ^2/NDF: 22.7/20

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 506.260+/-0.213 χ^2/NDF:73566.6/3

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

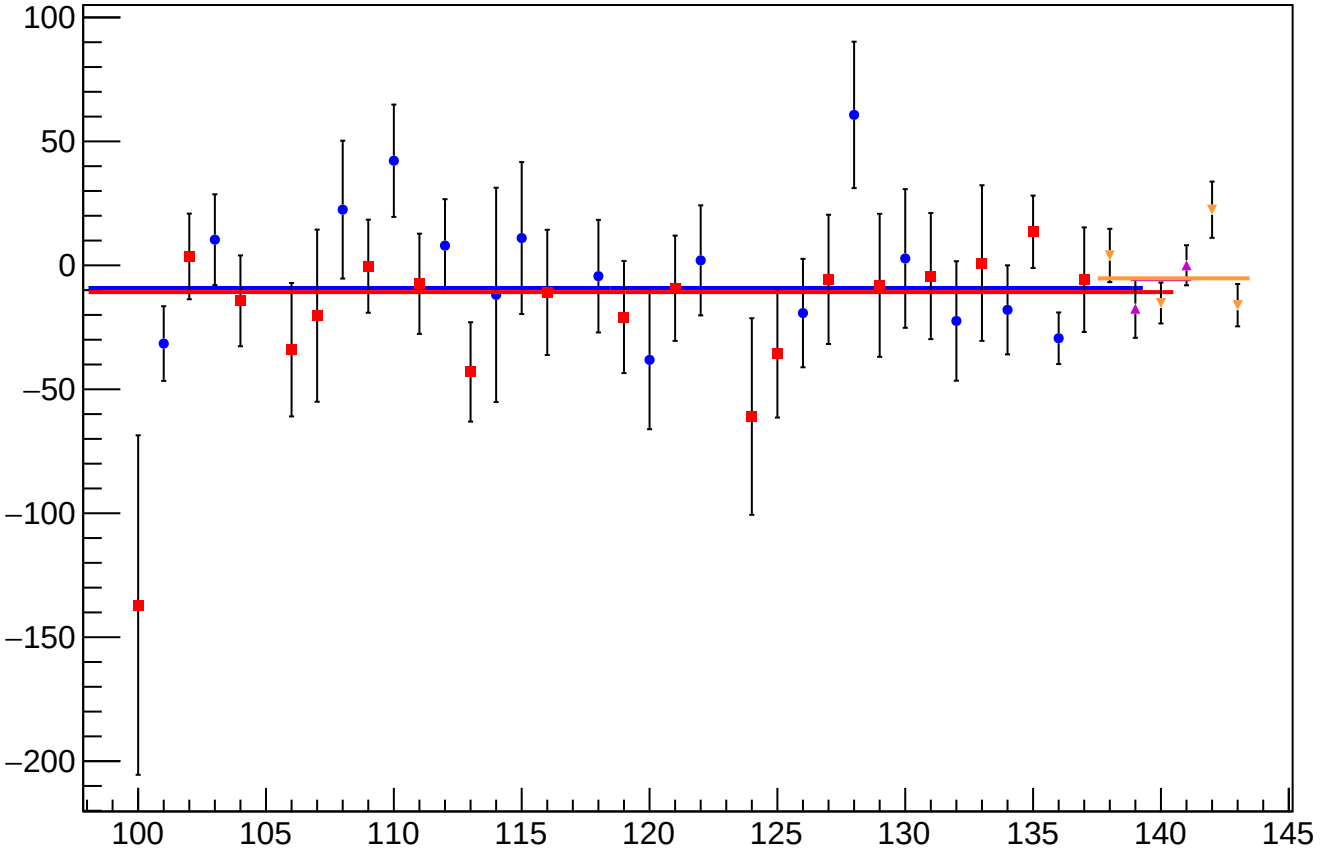
Left In: 519.286+/-0.283 χ^2/NDF:80115.8/1

+ sign 542.092+/-0.134 χ^2/NDF: 3570720.8/19

All: 546.920+/-0.099 χ^2/NDF: 7244504.6/40

- sign 552.749+/-0.147 χ^2/NDF: 3670927.7/20

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -5.240+/-4.724 χ^2/NDF:9.8/3

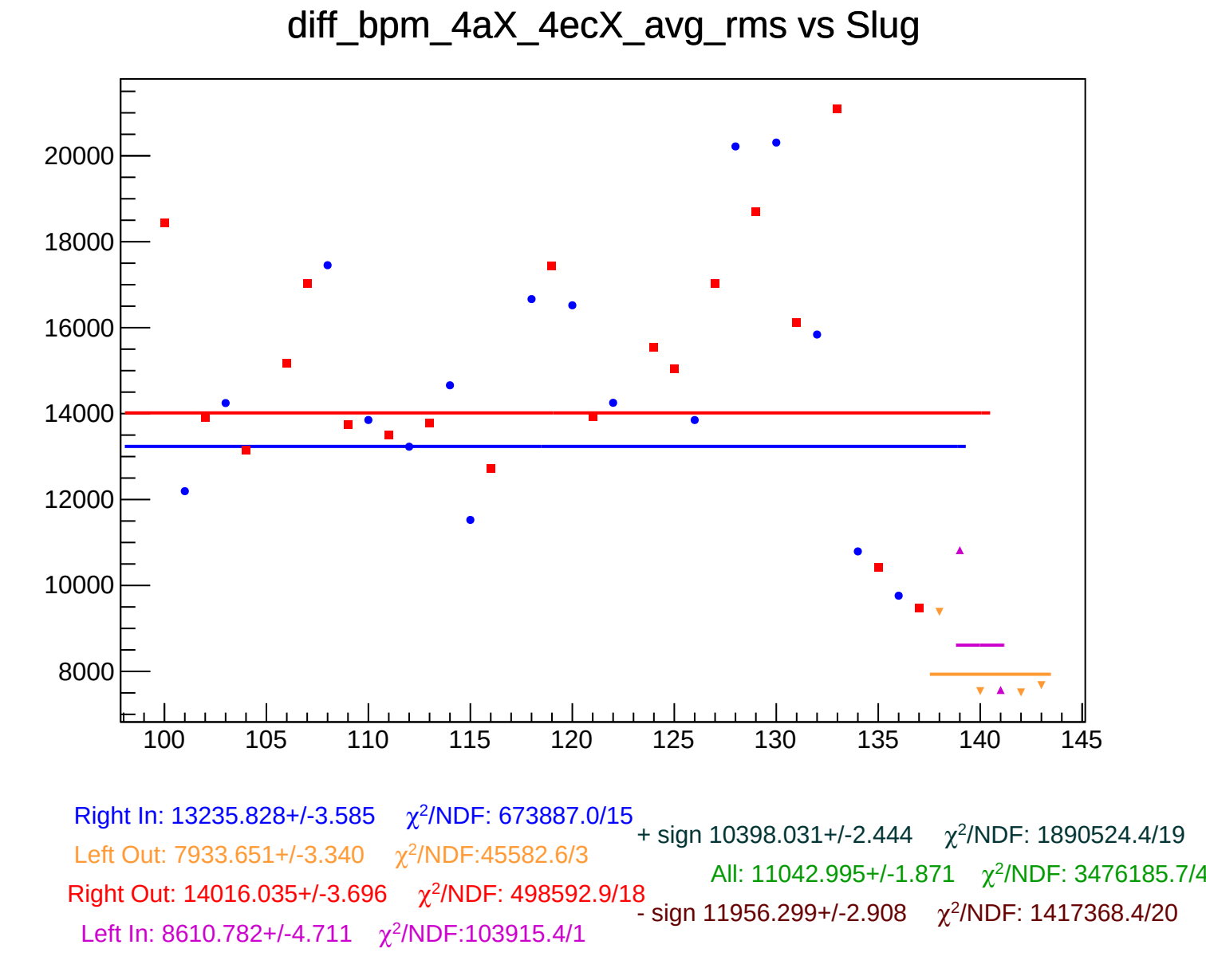
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -5.579+/-6.662 χ^2/NDF:1.5/1

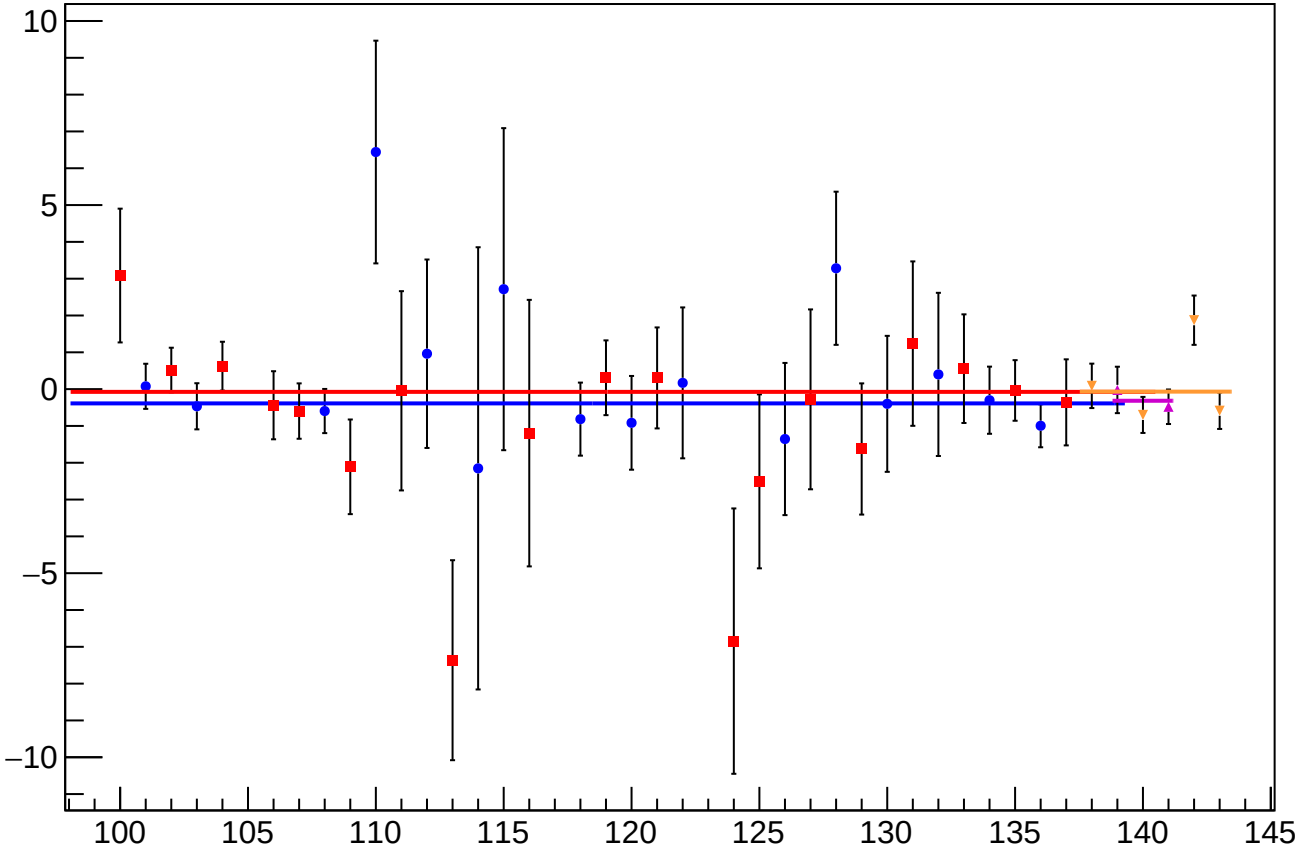
+ sign -7.048+/-3.456 χ^2/NDF: 32.8/19

All: -7.775+/-2.646 χ^2/NDF: 48.5/40

- sign -8.803+/-4.113 χ^2/NDF: 15.6/20


diff_bpm_4aX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
145
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 7933.651+/-3.340 χ²/NDF:45582.6/3
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8610.782+/-4.711 χ²/NDF:103915.4/1
+ sign 10398.031+/-2.444 χ²/NDF: 1890524.4/19
All: 11042.995+/-1.871 χ²/NDF: 3476185.7/4
- sign 11956.299+/-2.908 χ²/NDF: 1417368.4/20

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.068+/-0.275 χ^2/NDF:11.2/3

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

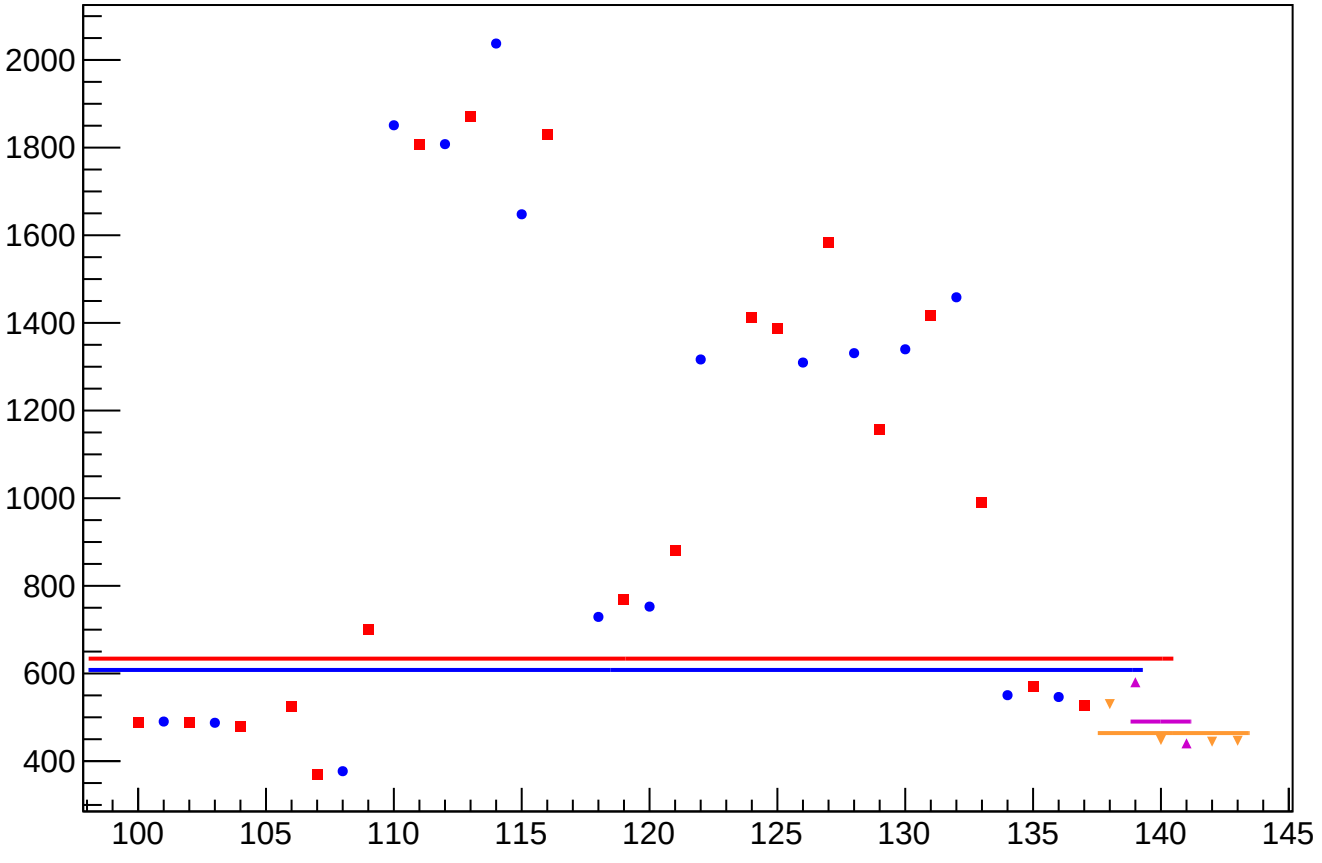
Left In: -0.316+/-0.376 χ^2/NDF:0.3/1

+ sign -0.239+/-0.187 χ^2/NDF: 23.6/19

All: -0.203+/-0.142 χ^2/NDF: 46.0/40

- sign -0.154+/-0.216 χ^2/NDF: 22.3/20

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 464.019+/-0.194 χ^2/NDF:30318.4/3

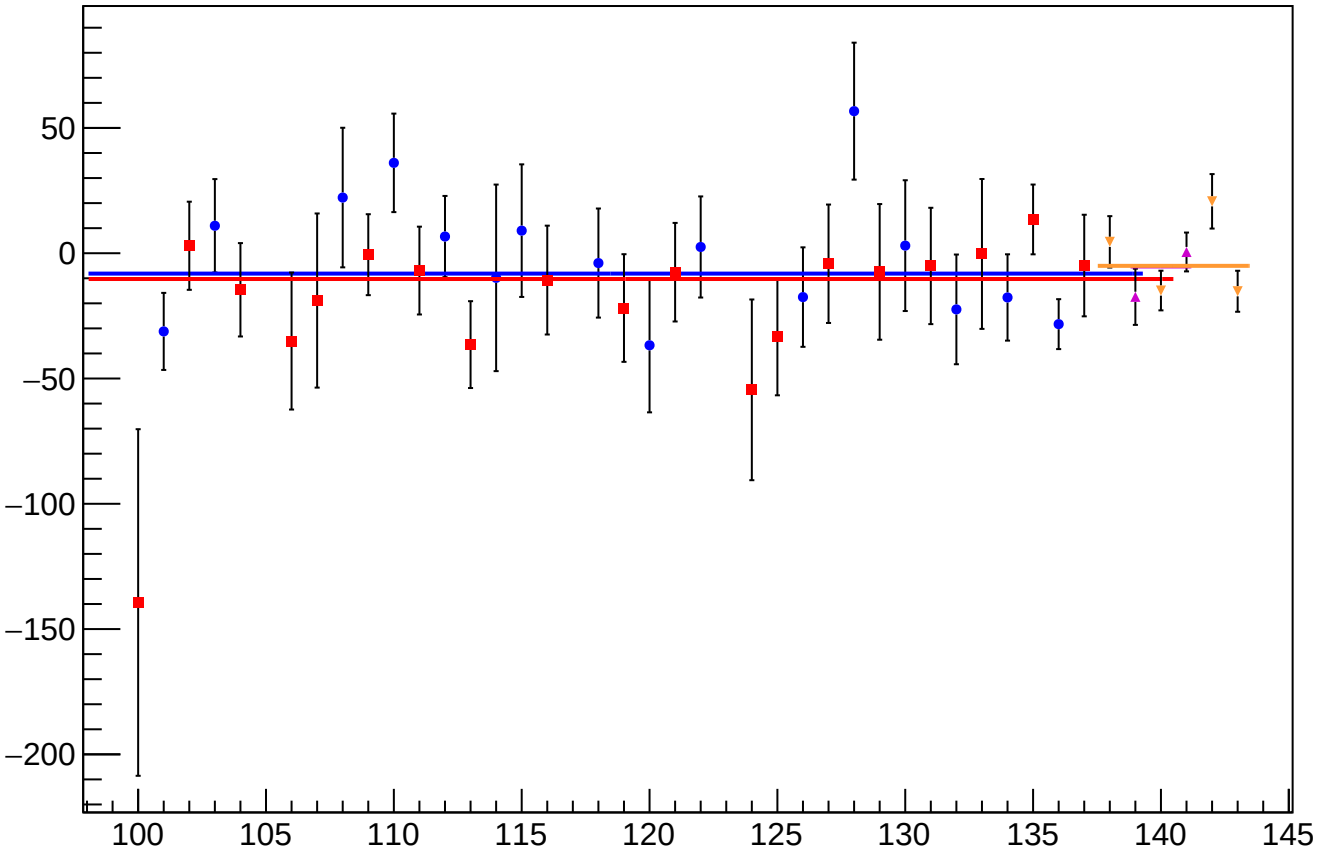
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 490.284+/-0.266 χ^2/NDF:62964.1/1

+ sign 541.251+/-0.132 χ^2/NDF: 3177423.1/19

All: 560.580+/-0.100 χ^2/NDF: 6273508.7/40

- sign 586.403+/-0.153 χ^2/NDF: 3046293.6/20



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -5.036+/-4.523 χ^2/NDF:9.6/3

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

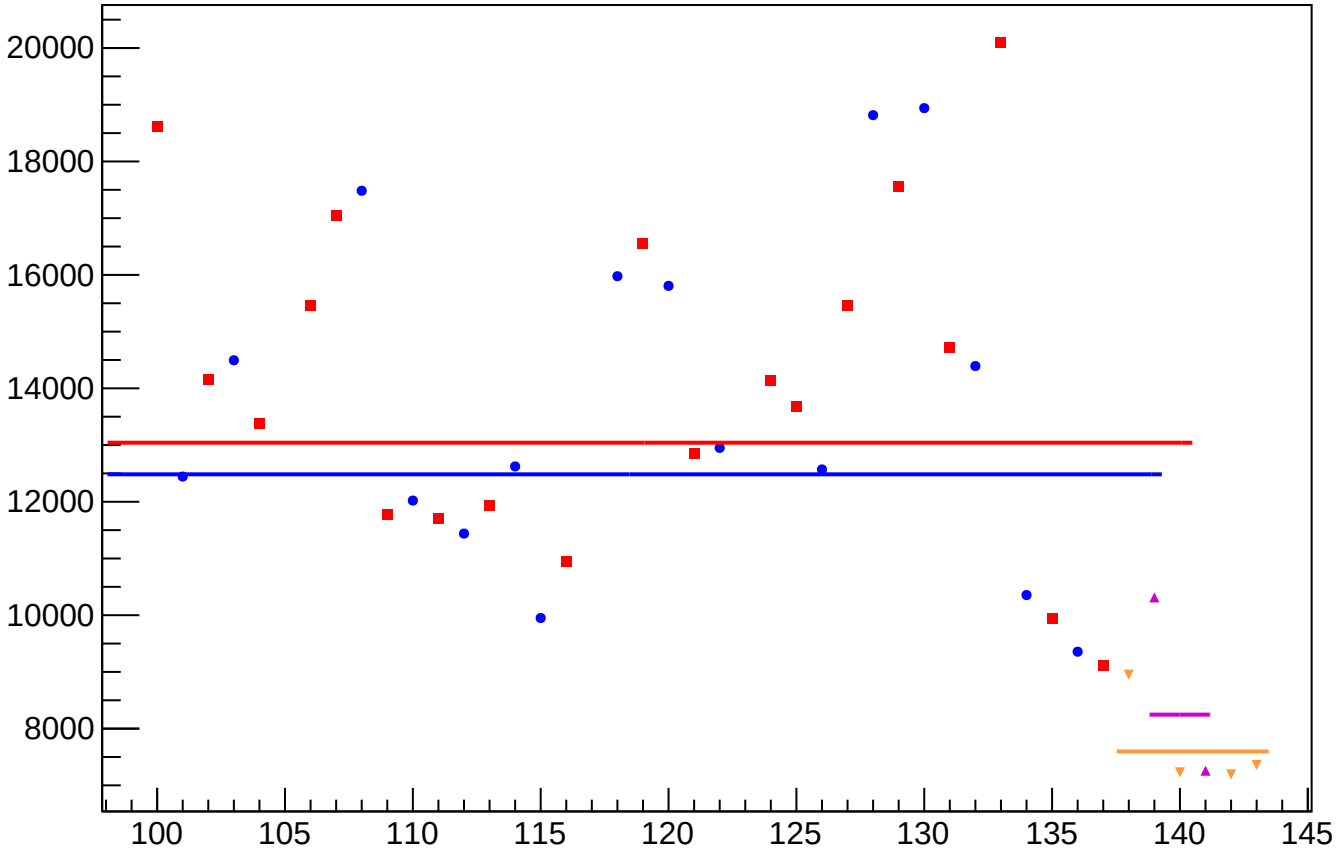
Left In: -5.284+/-6.377 χ^2/NDF:1.7/1

+ sign -6.499+/-3.285 χ^2/NDF: 32.9/19

All: -7.312+/-2.505 χ^2/NDF: 48.9/40

- sign -8.443+/-3.872 χ^2/NDF: 15.8/20

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 7597.538+/-3.198 χ^2/NDF:43675.2/3

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

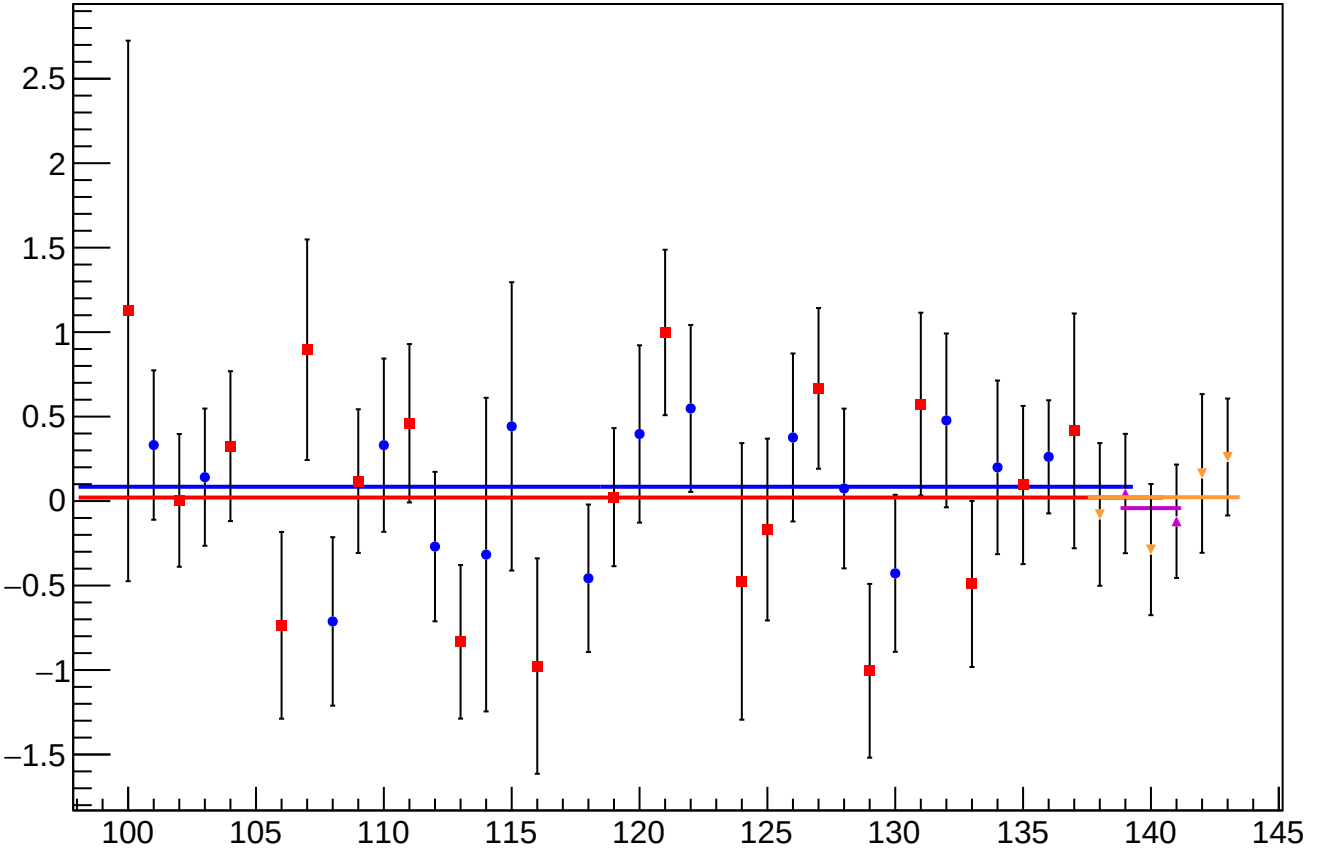
Left In: 8246.765+/-4.509 χ^2/NDF:100457.6/1

+ sign 9906.176+/-2.323 χ^2/NDF: 1818237.0/19

All: 10478.430+/-1.771 χ^2/NDF: 3321903.4/4

- sign 11273.562+/-2.738 χ^2/NDF: 1358637.3/20

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.200 χ^2/NDF:1.3/3

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

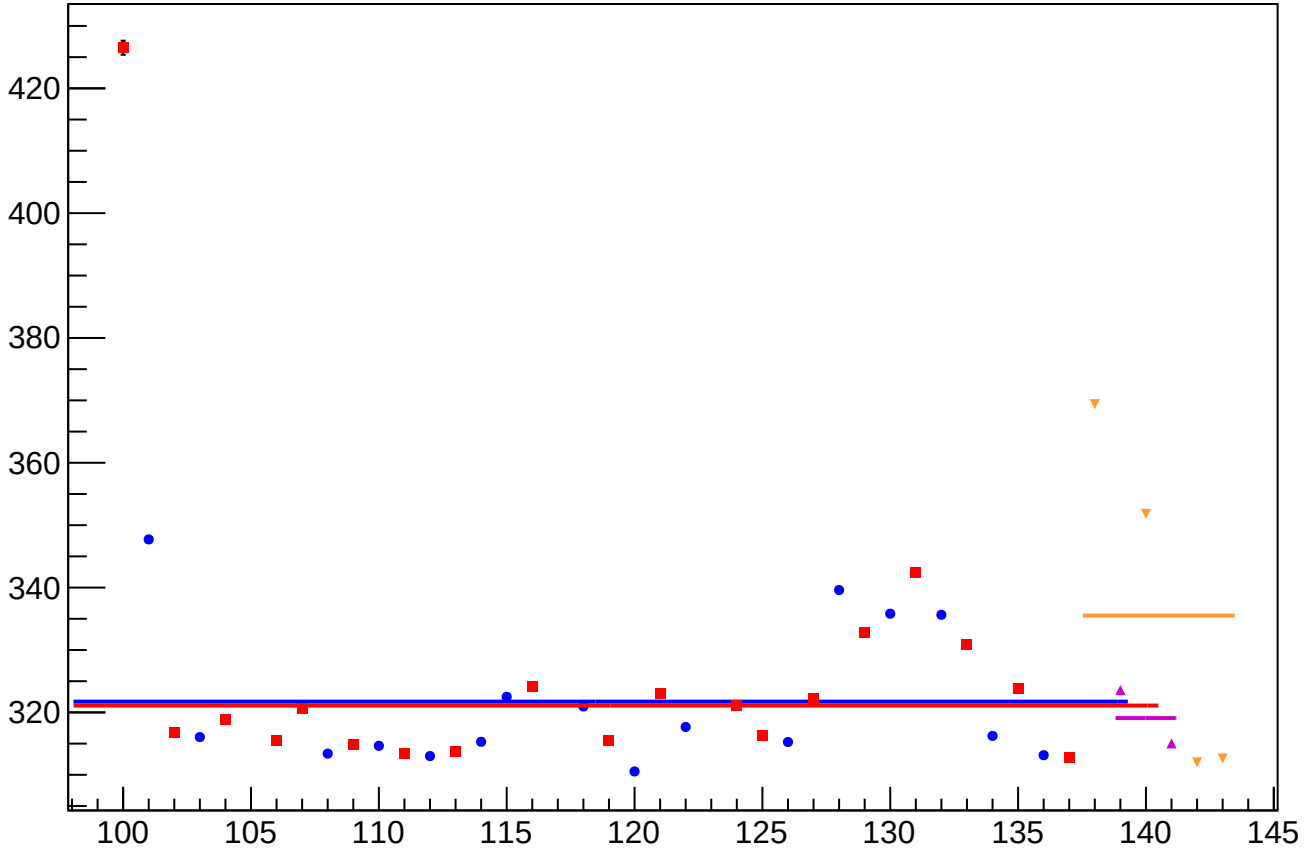
Left In: -0.042+/-0.243 χ^2/NDF:0.1/1

+ sign 0.068+/-0.103 χ^2/NDF: 10.7/19

All: 0.039+/-0.074 χ^2/NDF: 35.3/40

- sign 0.009+/-0.106 χ^2/NDF: 24.5/20

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 335.514+/-0.141 χ^2/NDF:30170.0/3

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

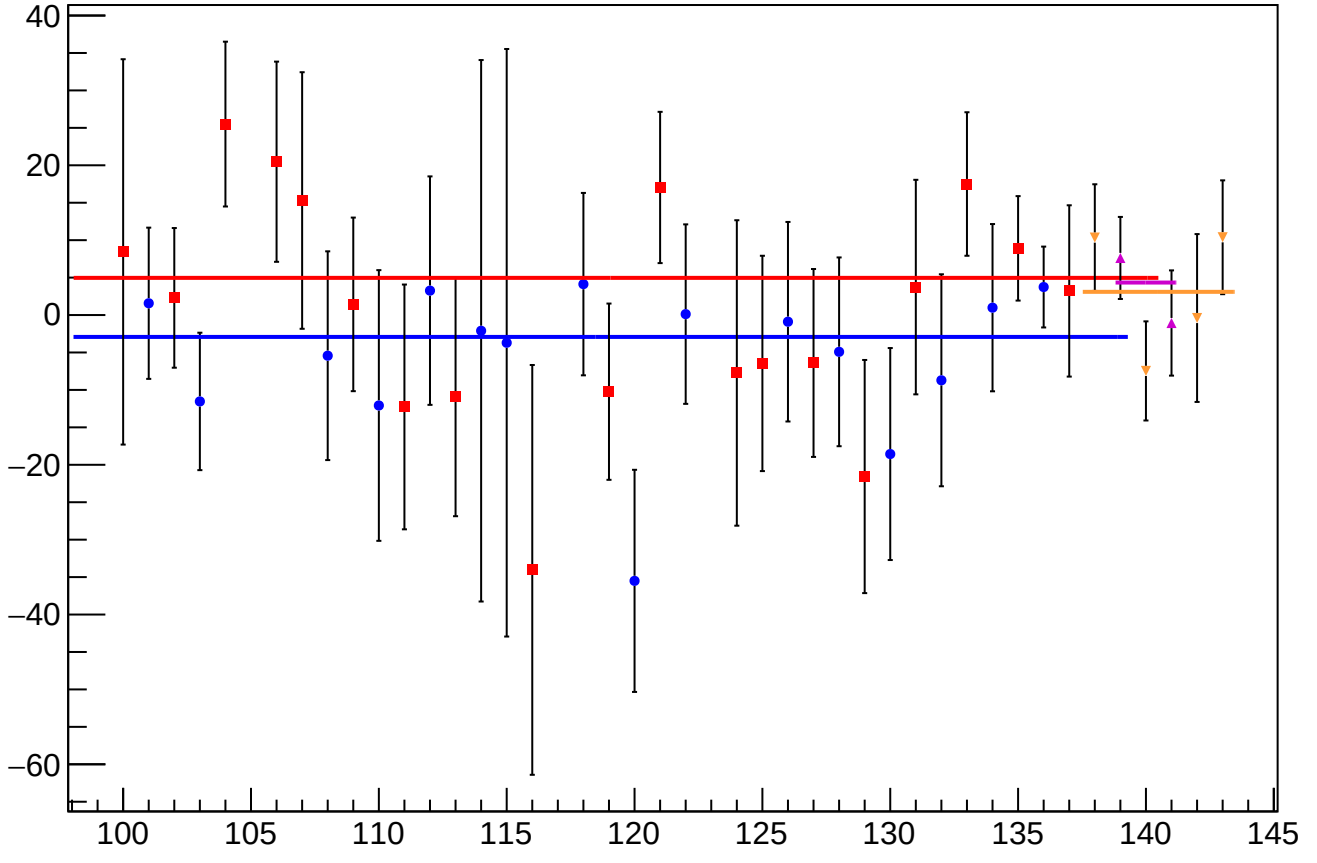
Left In: 319.092+/-0.172 χ^2/NDF:615.0/1

+ sign 325.397+/-0.073 χ^2/NDF: 55392.2/19

All: 323.120+/-0.052 χ^2/NDF: 74708.2/40

- sign 320.714+/-0.075 χ^2/NDF: 17303.9/20

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.099+/-3.840 χ^2/NDF:4.6/3

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

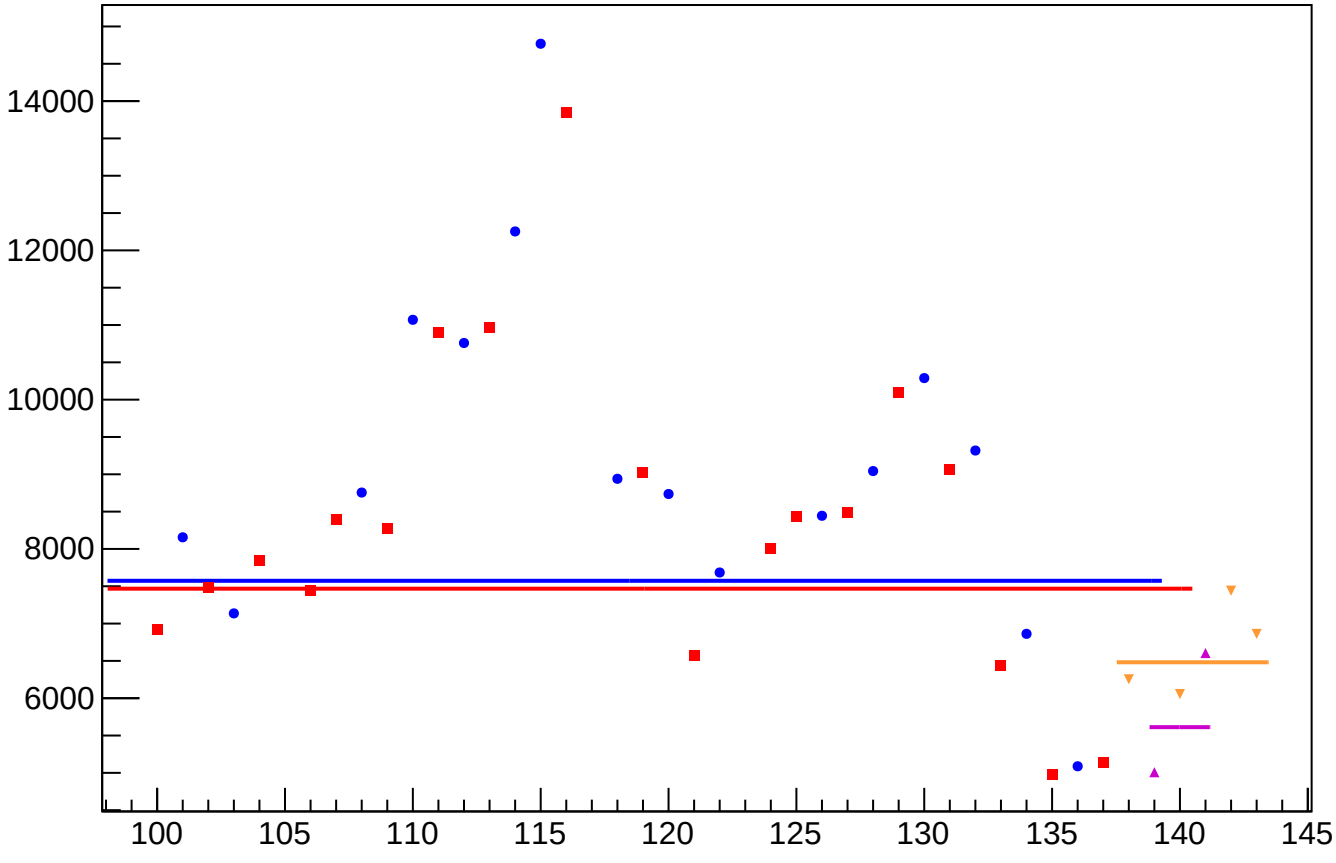
Left In: 4.339+/-4.321 χ^2/NDF:1.0/1

\+ sign -0.726+/-2.320 χ^2/NDF: 16.0/19

All: 1.974+/-1.656 χ^2/NDF: 39.1/40

\- sign 4.778+/-2.364 χ^2/NDF: 20.4/20

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6481.529+/-2.716 χ^2/NDF:29964.2/3

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

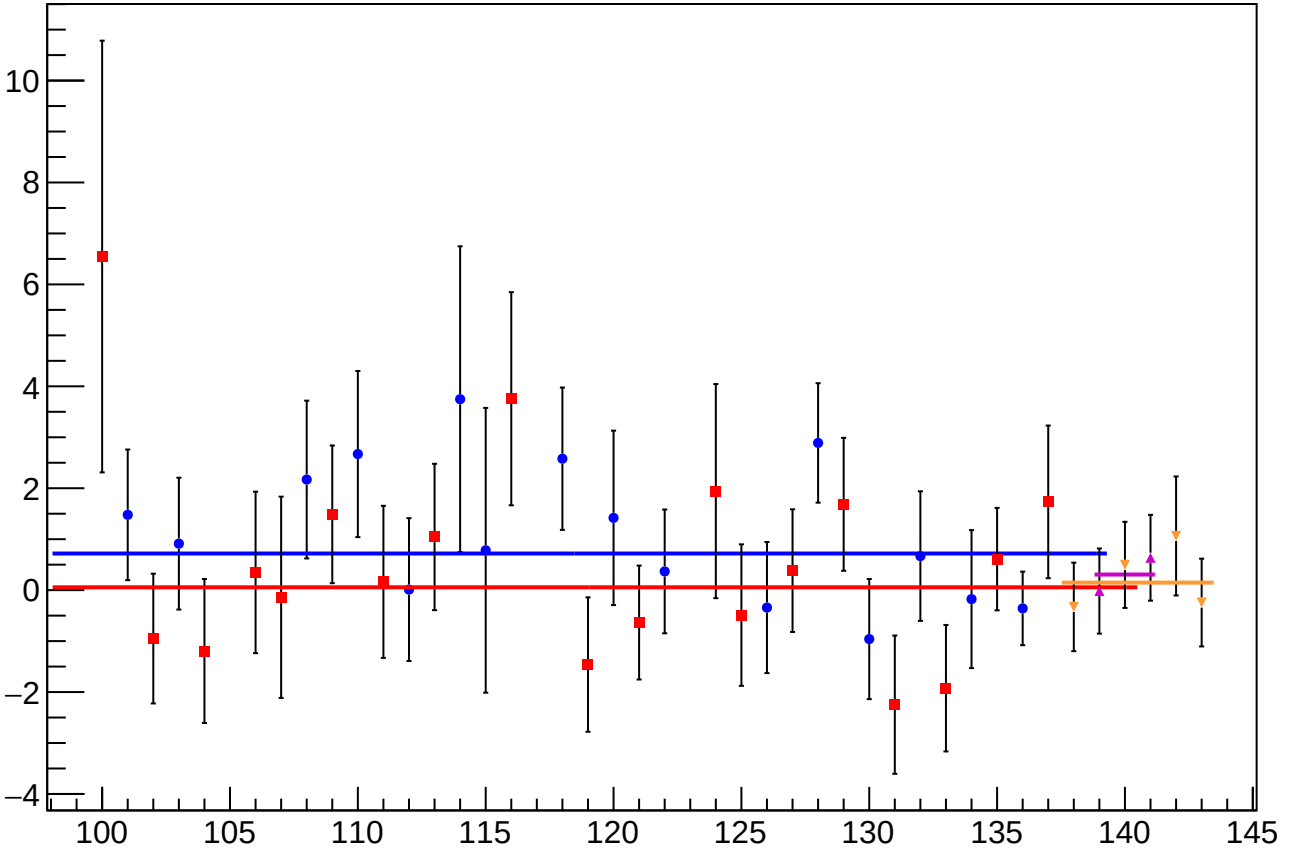
Left In: 5612.114+/-3.055 χ^2/NDF:64238.3/1

\+ sign 7174.944+/-1.640 χ^2/NDF: 1030199.9/19

All: 7046.044+/-1.171 χ^2/NDF: 2193772.4/40

\- sign 6912.166+/-1.672 χ^2/NDF: 1150981.0/20

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.148+/-0.456 χ^2/NDF:1.3/3

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

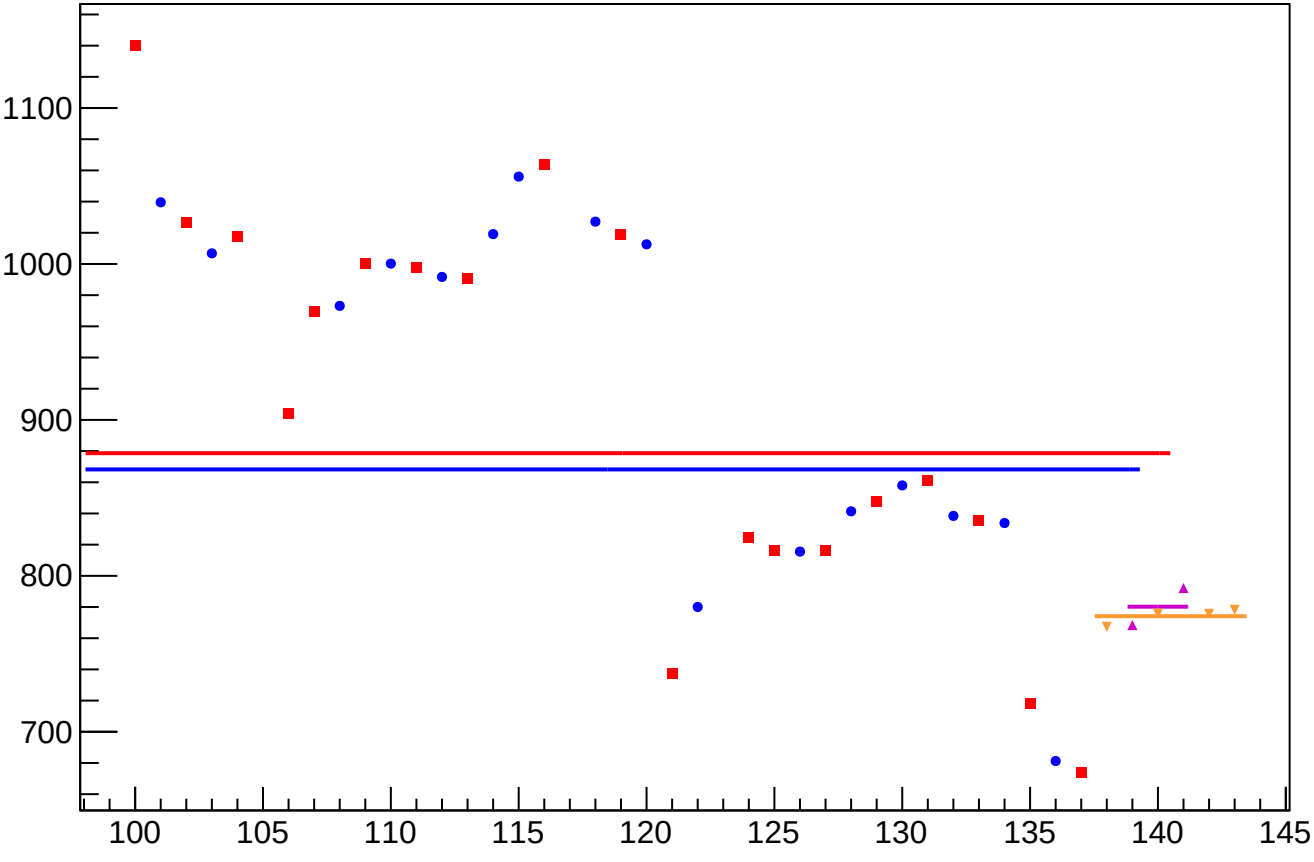
Left In: 0.306+/-0.593 χ^2/NDF:0.3/1

+ sign 0.526+/-0.265 χ^2/NDF: 17.1/19

All: 0.333+/-0.194 χ^2/NDF: 38.5/40

- sign 0.113+/-0.284 χ^2/NDF: 20.3/20

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 774.121+/-0.323 χ^2/NDF:178.8/3

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

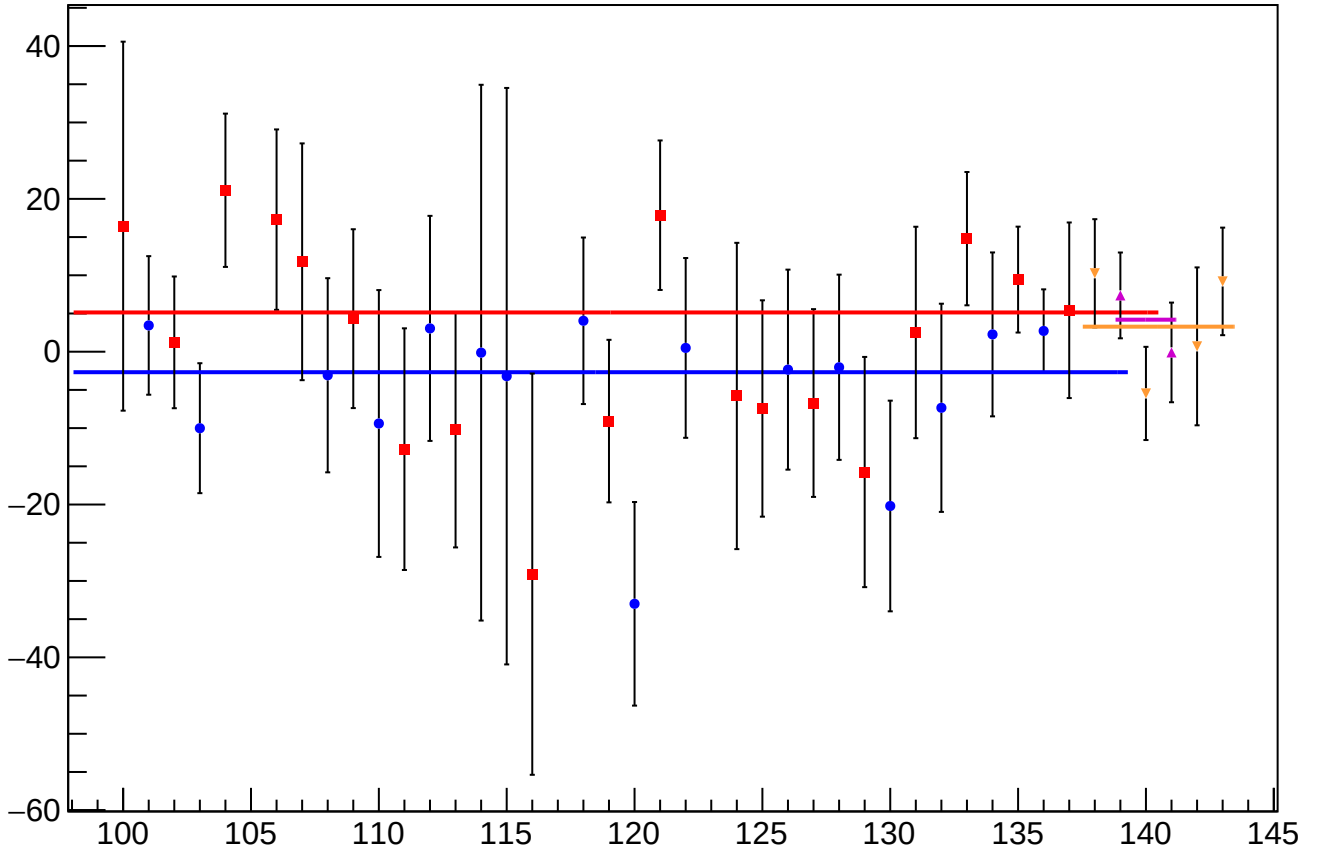
Left In: 780.223+/-0.419 χ^2/NDF:801.8/1

+ sign 836.432+/-0.188 χ^2/NDF: 358983.0/19

All: 845.594+/-0.137 χ^2/NDF: 679921.3/40

- sign 856.095+/-0.201 χ^2/NDF: 315814.6/20

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.276+/-3.618 χ^2/NDF:3.8/3

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

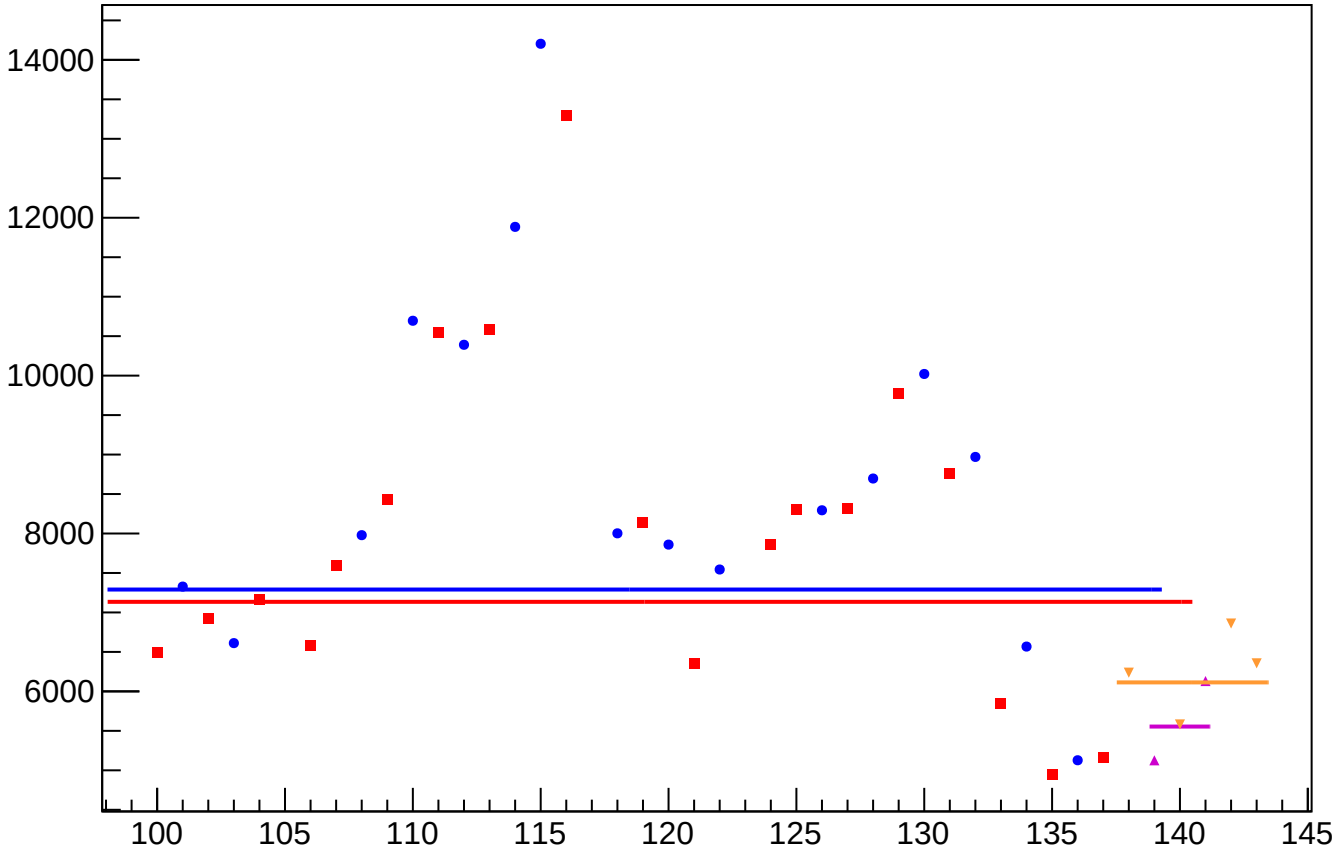
Left In: 4.190+/-4.254 χ^2/NDF:0.8/1

+ sign -0.463+/-2.208 χ^2/NDF: 15.6/19

All: 2.123+/-1.585 χ^2/NDF: 36.4/40

- sign 4.866+/-2.275 χ^2/NDF: 18.0/20

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6113.818+/-2.558 χ^2/NDF:28631.6/3

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

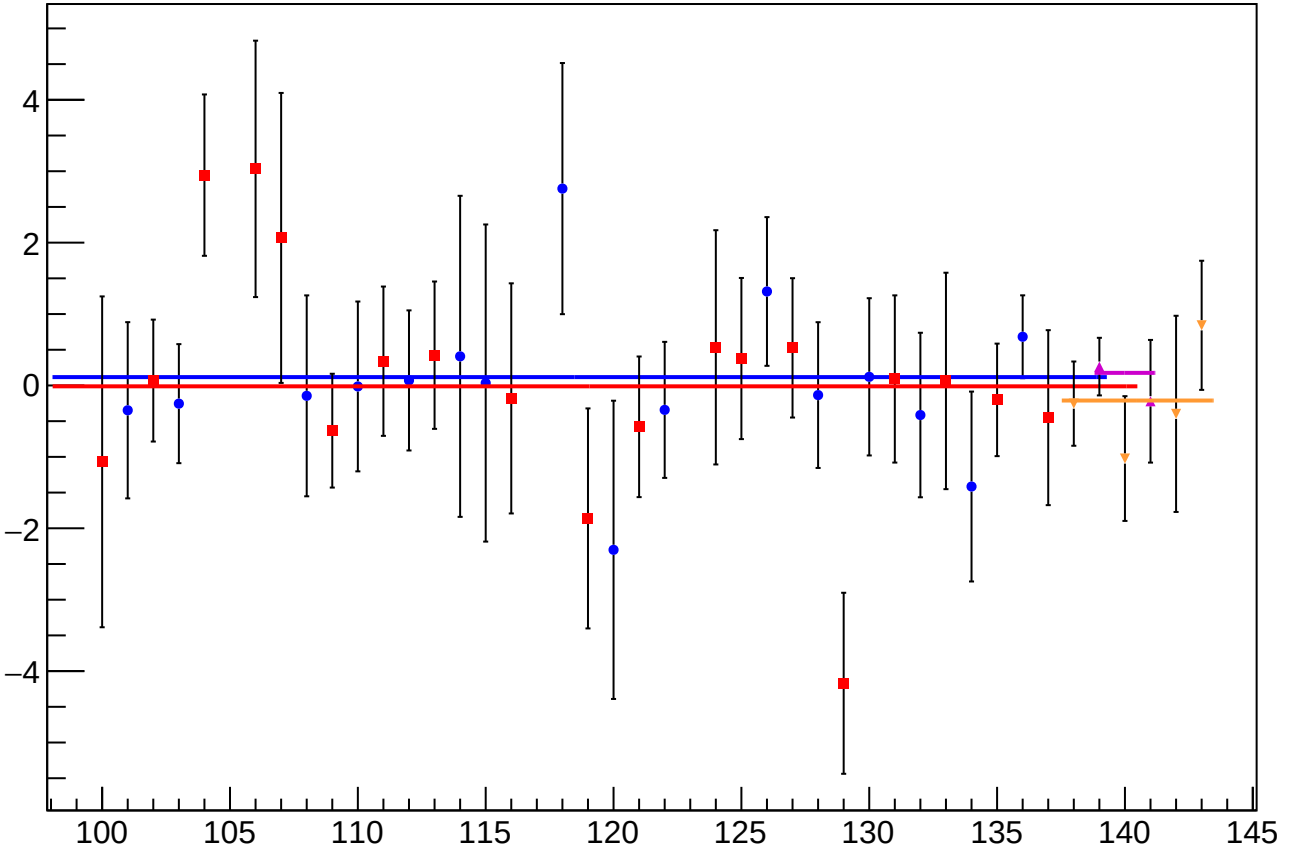
Left In: 5554.404+/-3.008 χ^2/NDF:27243.2/1

+ sign 6851.858+/-1.562 χ^2/NDF: 931831.3/19

All: 6769.777+/-1.120 χ^2/NDF: 1954544.3/40

- sign 6682.687+/-1.609 χ^2/NDF: 1017018.6/20

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.211+/-0.410 χ^2/NDF:2.2/3

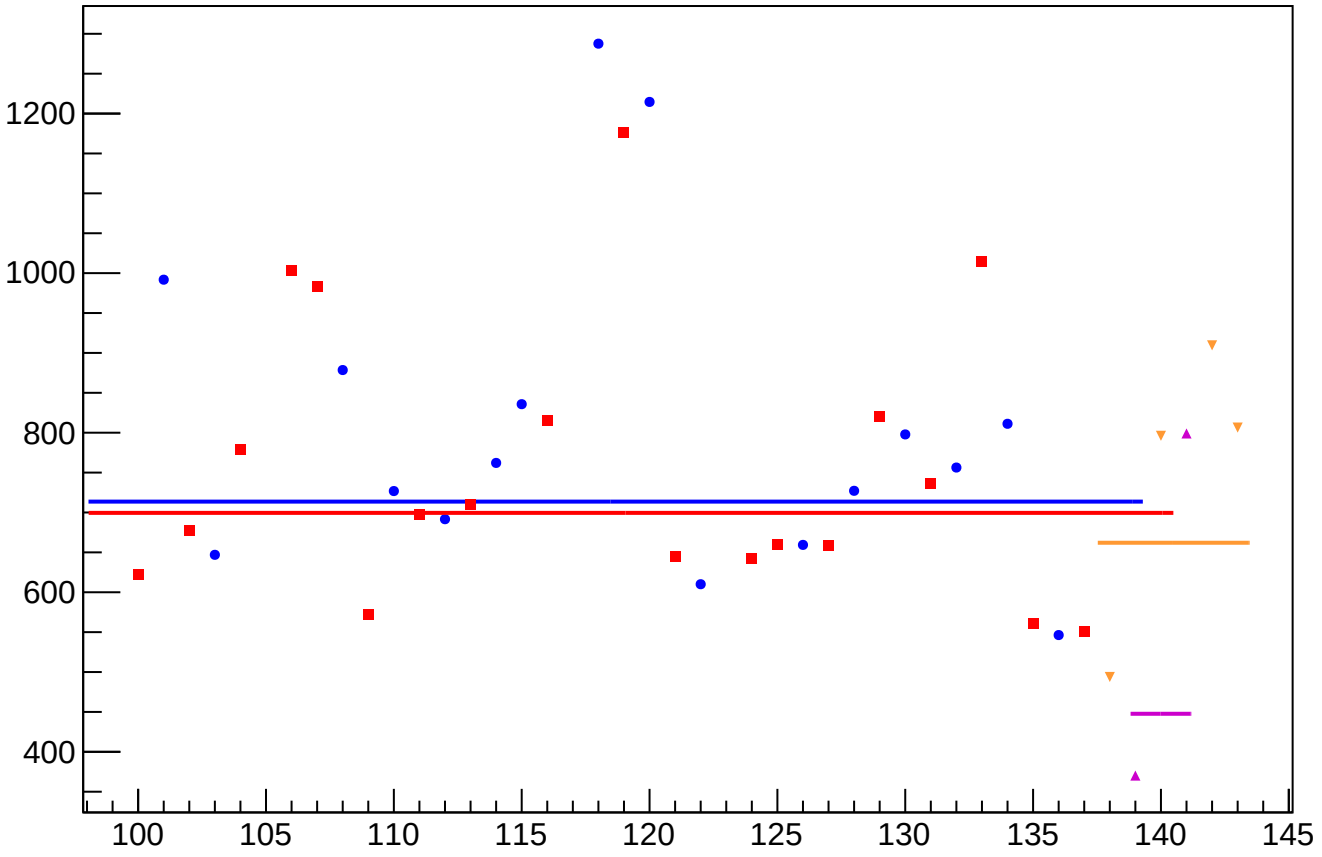
Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.176+/-0.365 χ^2/NDF:0.3/1

+ sign 0.016+/-0.227 χ^2/NDF: 10.8/19

All: 0.035+/-0.156 χ^2/NDF: 36.4/40

- sign 0.052+/-0.213 χ^2/NDF: 25.6/20



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 662.059+/-0.290 χ^2/NDF:325665.7/3

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

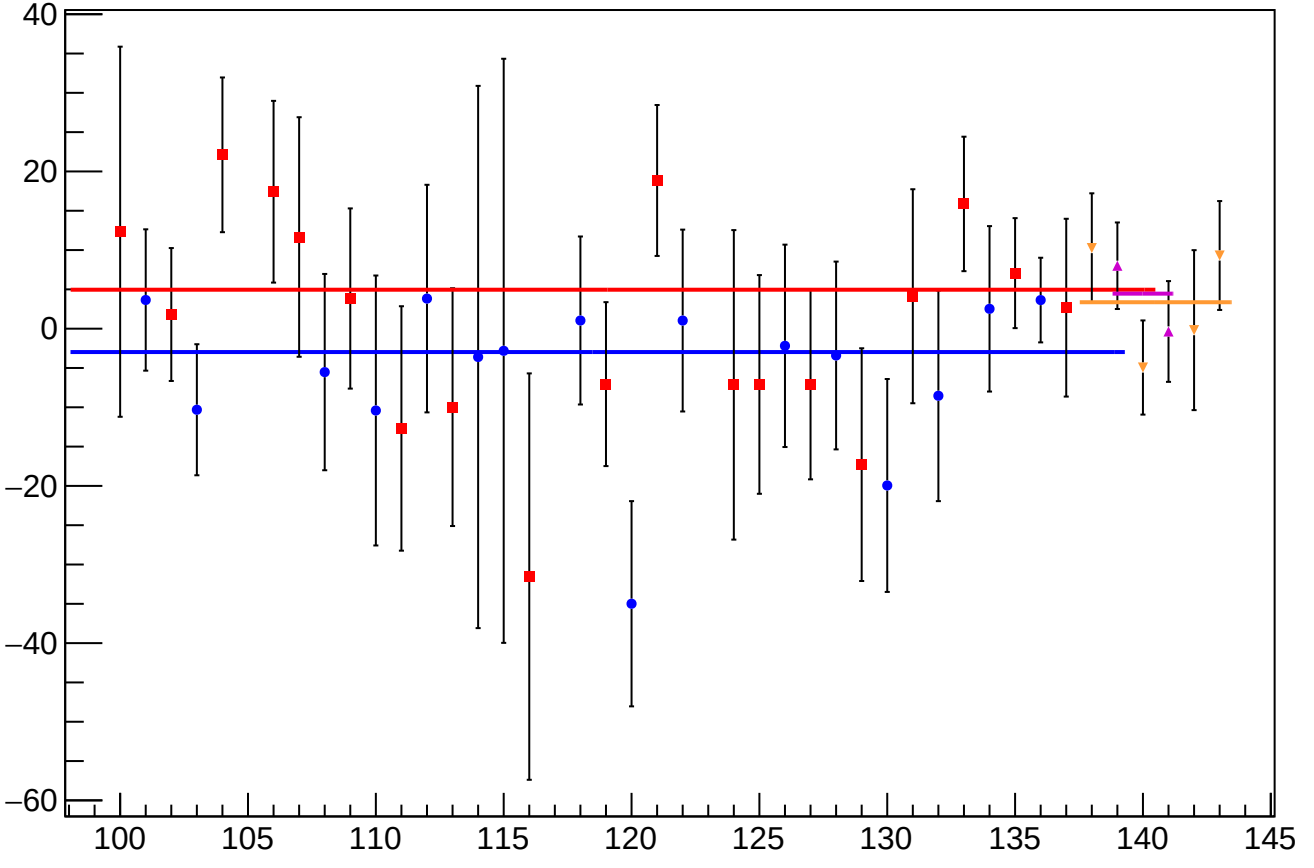
Left In: 447.682+/-0.258 χ^2/NDF:408474.3/1

\+ sign 697.794+/-0.161 χ^2/NDF: 1046854.2/19

All: 652.920+/-0.110 χ^2/NDF: 2803862.4/40

\- sign 613.363+/-0.151 χ^2/NDF: 1610461.2/20

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.364+/-3.558 χ^2/NDF:3.8/3

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

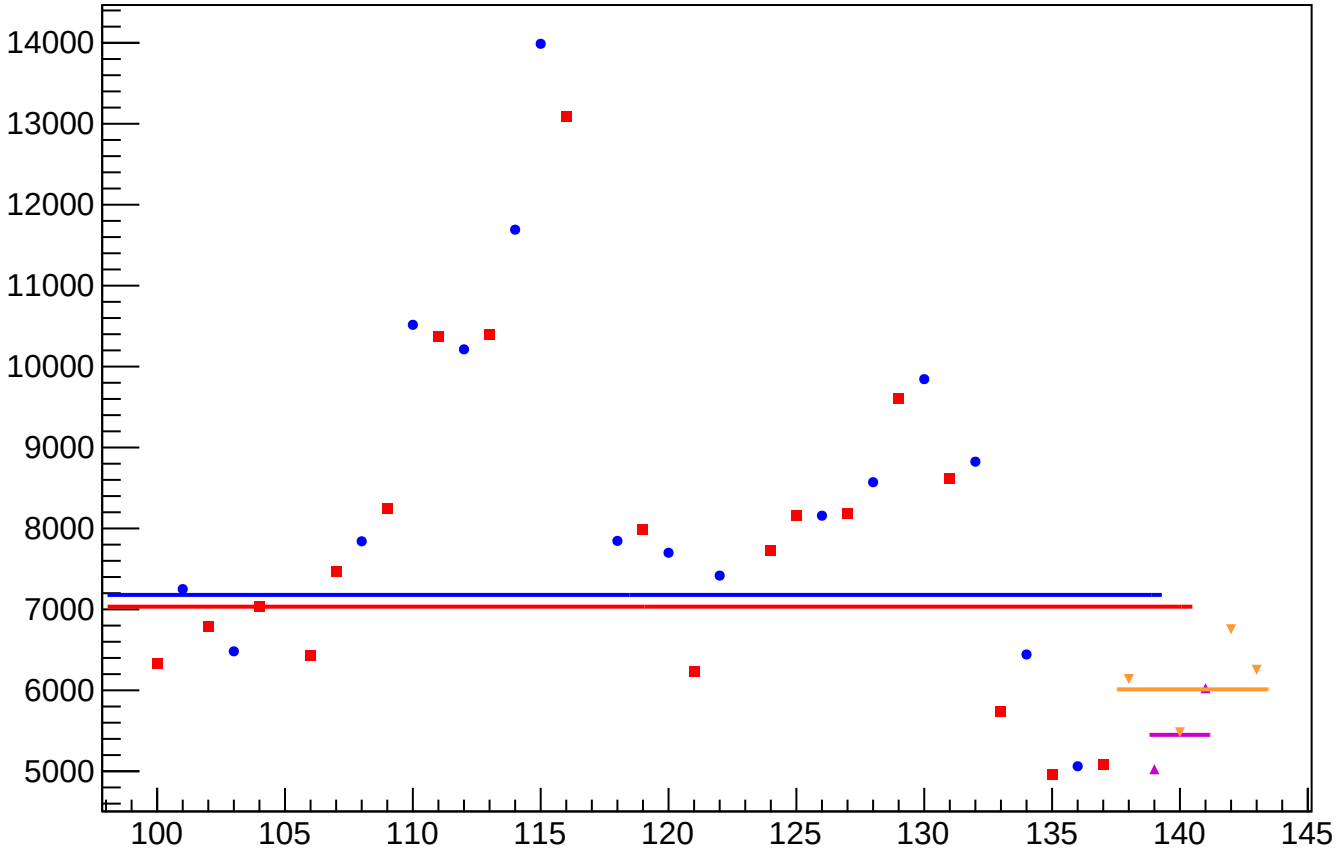
Left In: 4.456+/-4.176 χ^2/NDF:1.0/1

\+ sign -0.608+/-2.174 χ^2/NDF: 17.3/19

All: 2.022+/-1.560 χ^2/NDF: 39.8/40

\- sign 4.812+/-2.239 χ^2/NDF: 19.5/20

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6012.291+/-2.516 χ^2/NDF:29439.3/3

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

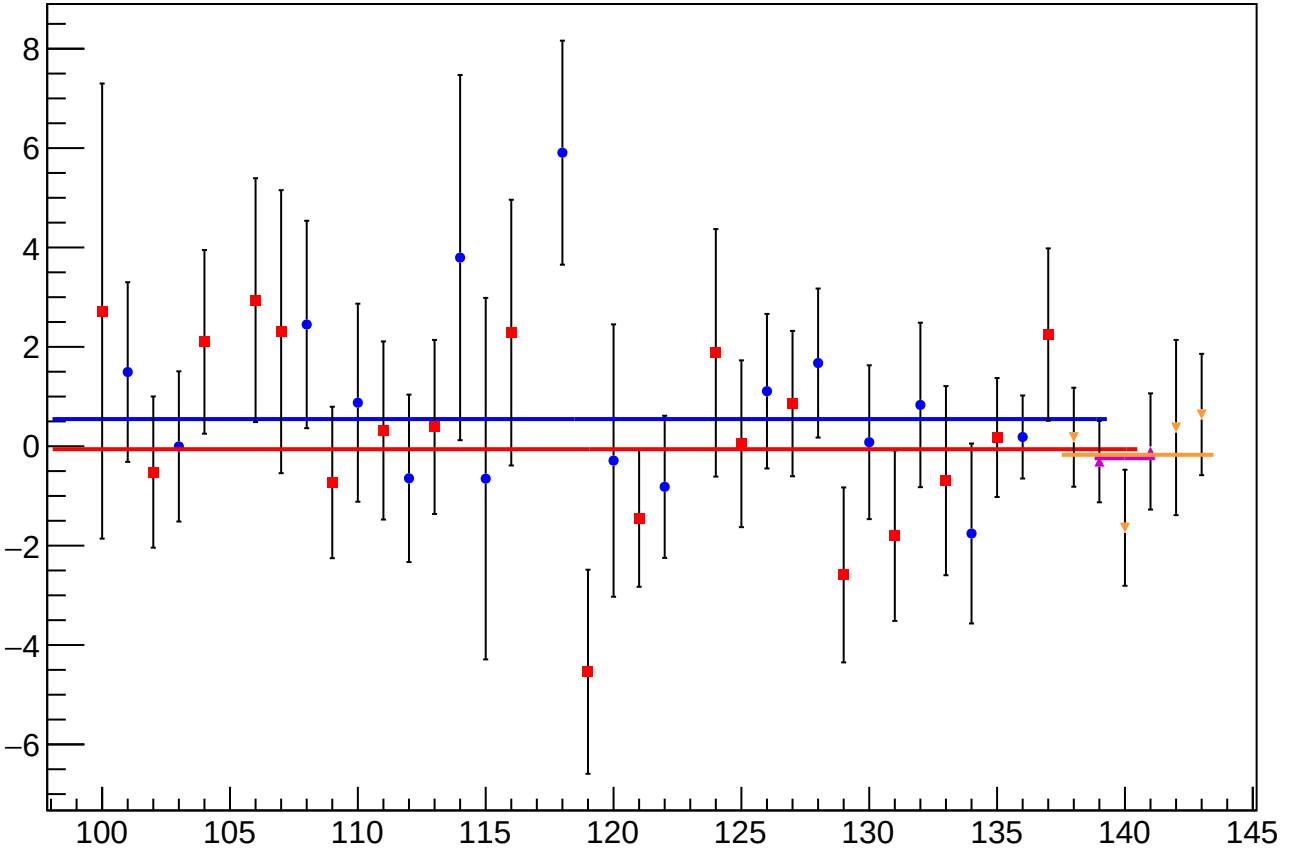
Left In: 5449.987+/-2.953 χ^2/NDF:28074.6/1

+ sign 6743.428+/-1.537 χ^2/NDF: 926126.7/19

All: 6663.207+/-1.103 χ^2/NDF: 1931117.6/40

- sign 6578.082+/-1.583 χ^2/NDF: 999377.3/20

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.172+/-0.605 χ^2/NDF:2.2/3

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

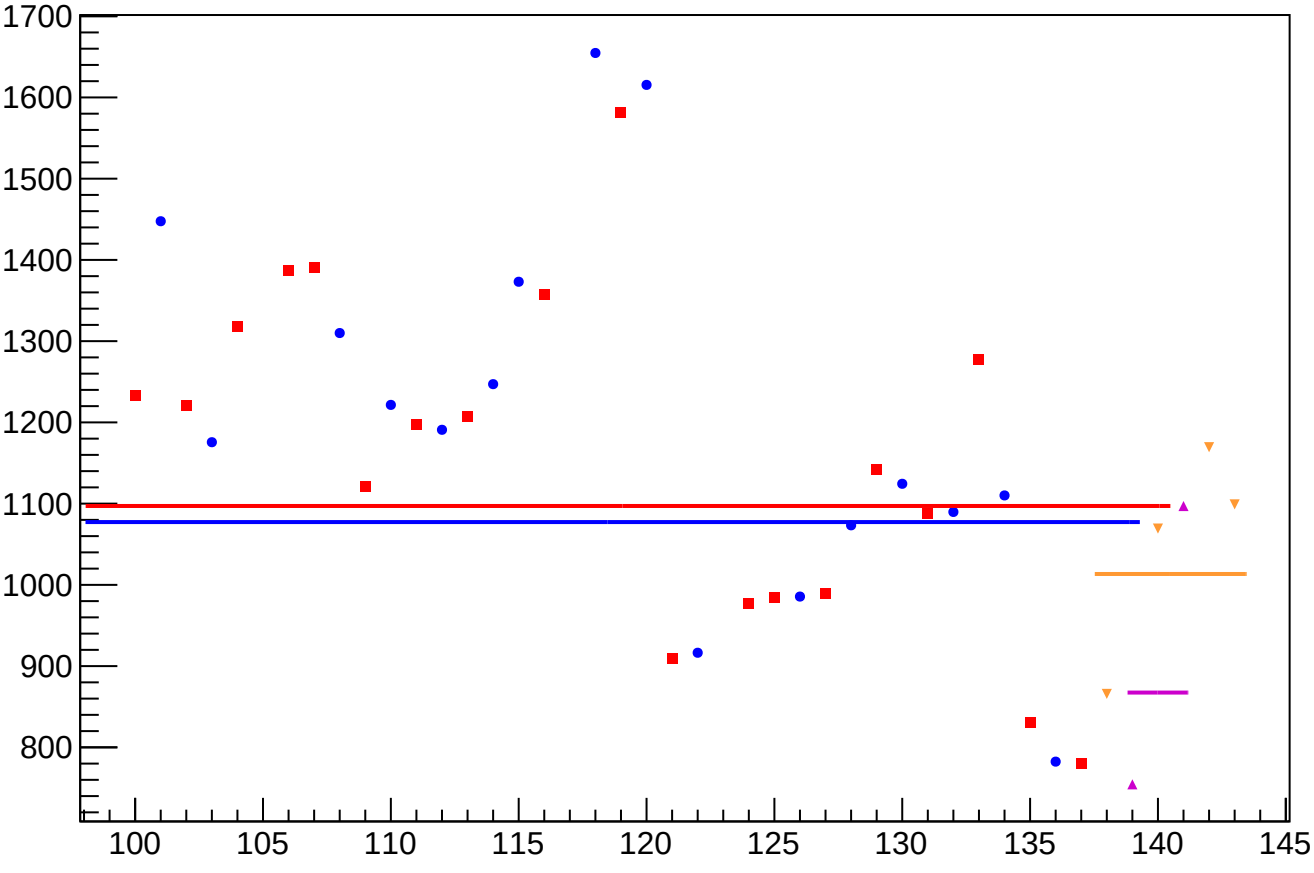
Left In: -0.241+/-0.671 χ^2/NDF:0.0/1

+ sign 0.320+/-0.340 χ^2/NDF: 15.1/19

All: 0.112+/-0.244 χ^2/NDF: 32.9/40

- sign -0.108+/-0.349 χ^2/NDF: 16.9/20

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1013.401+/-0.428 χ^2/NDF:74016.7/3

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

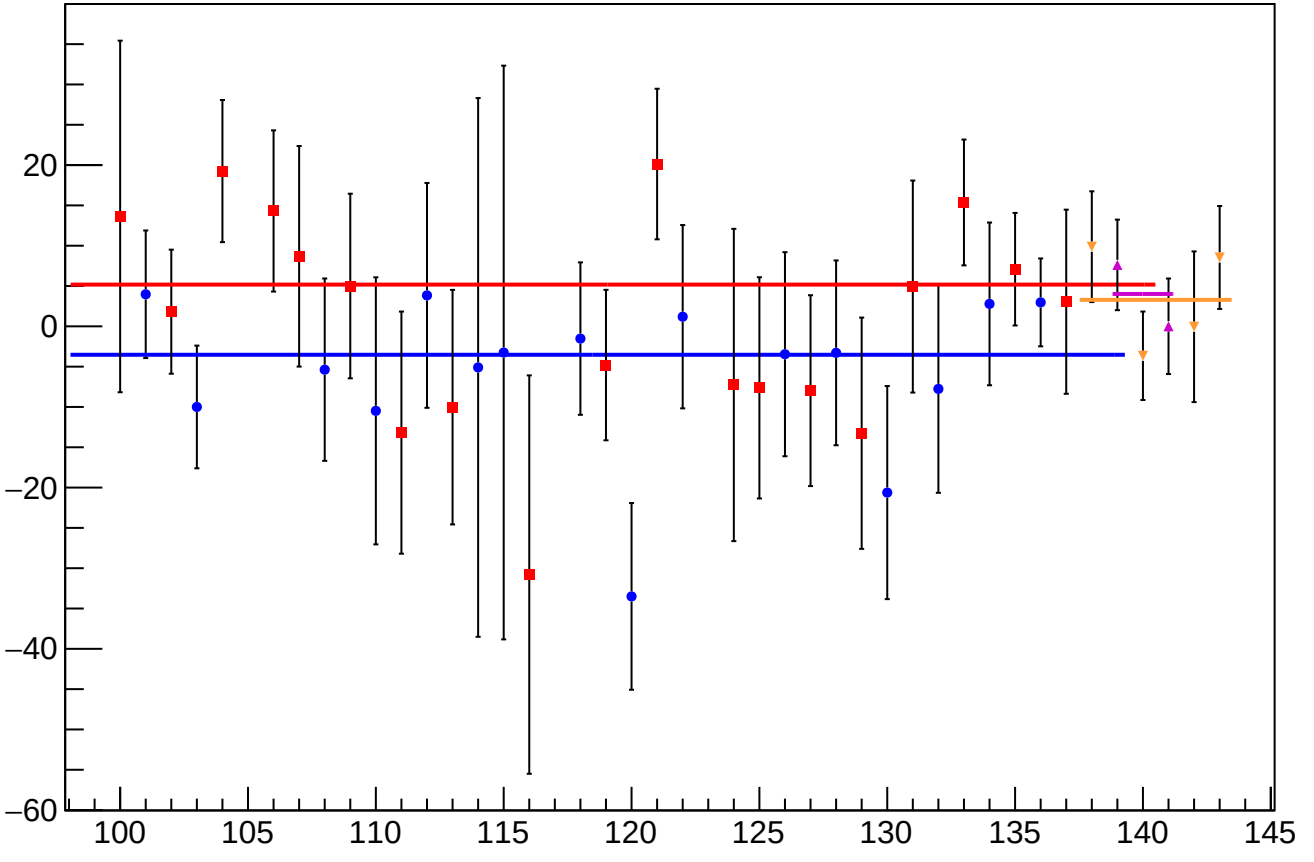
Left In: 867.432+/-0.475 χ^2/NDF:115075.0/1

+ sign 1057.123+/-0.240 χ^2/NDF: 735817.9/19

All: 1046.349+/-0.172 χ^2/NDF: 1510139.9/40

- sign 1034.975+/-0.247 χ^2/NDF: 770189.9/20

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.286+/-3.326 χ^2/NDF:3.3/3

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

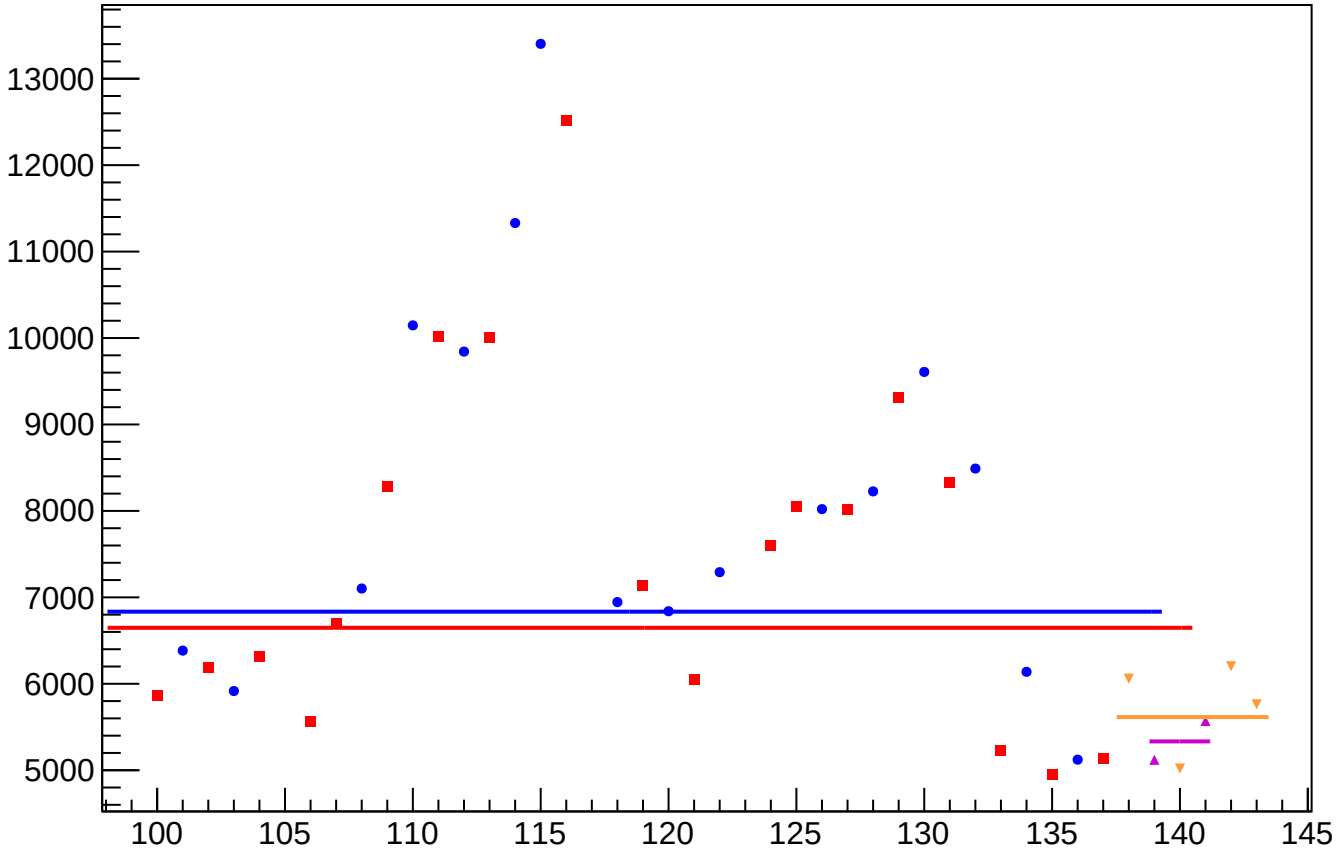
Left In: 4.018+/-4.076 χ^2/NDF:0.9/1

+ sign -0.933+/-2.052 χ^2/NDF: 18.5/19

All: 1.847+/-1.480 χ^2/NDF: 41.5/40

- sign 4.858+/-2.136 χ^2/NDF: 19.1/20

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5614.918+/-2.352 χ^2/NDF:40856.1/3

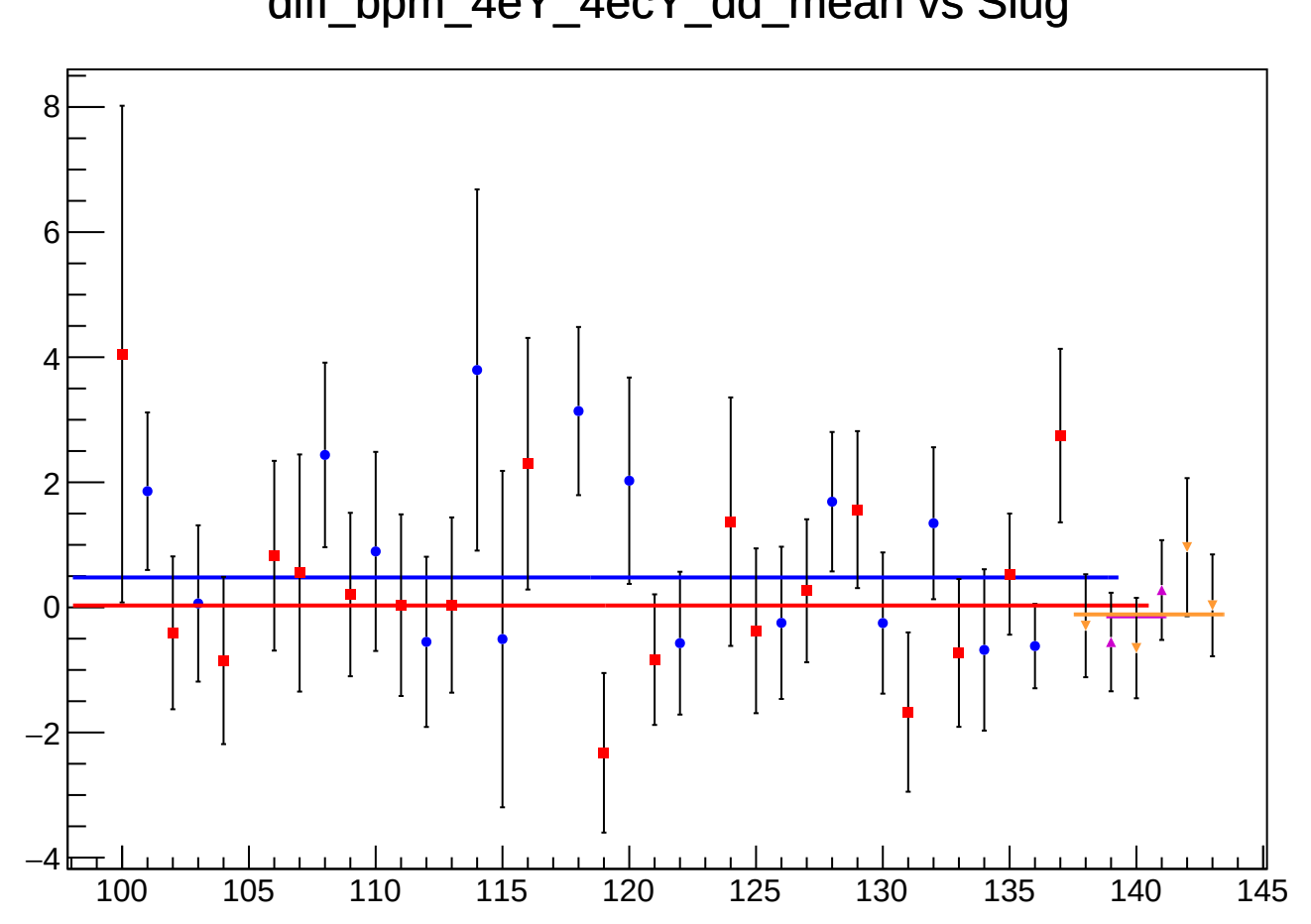
Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5333.381+/-2.882 χ^2/NDF:6049.9/1

+ sign 6370.022+/-1.451 χ^2/NDF: 900050.6/19

All: 6330.130+/-1.046 χ^2/NDF: 1843709.7/40

- sign 6286.924+/-1.510 χ^2/NDF: 942085.1/20



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.112+/-0.432 χ^2/NDF:1.5/3

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

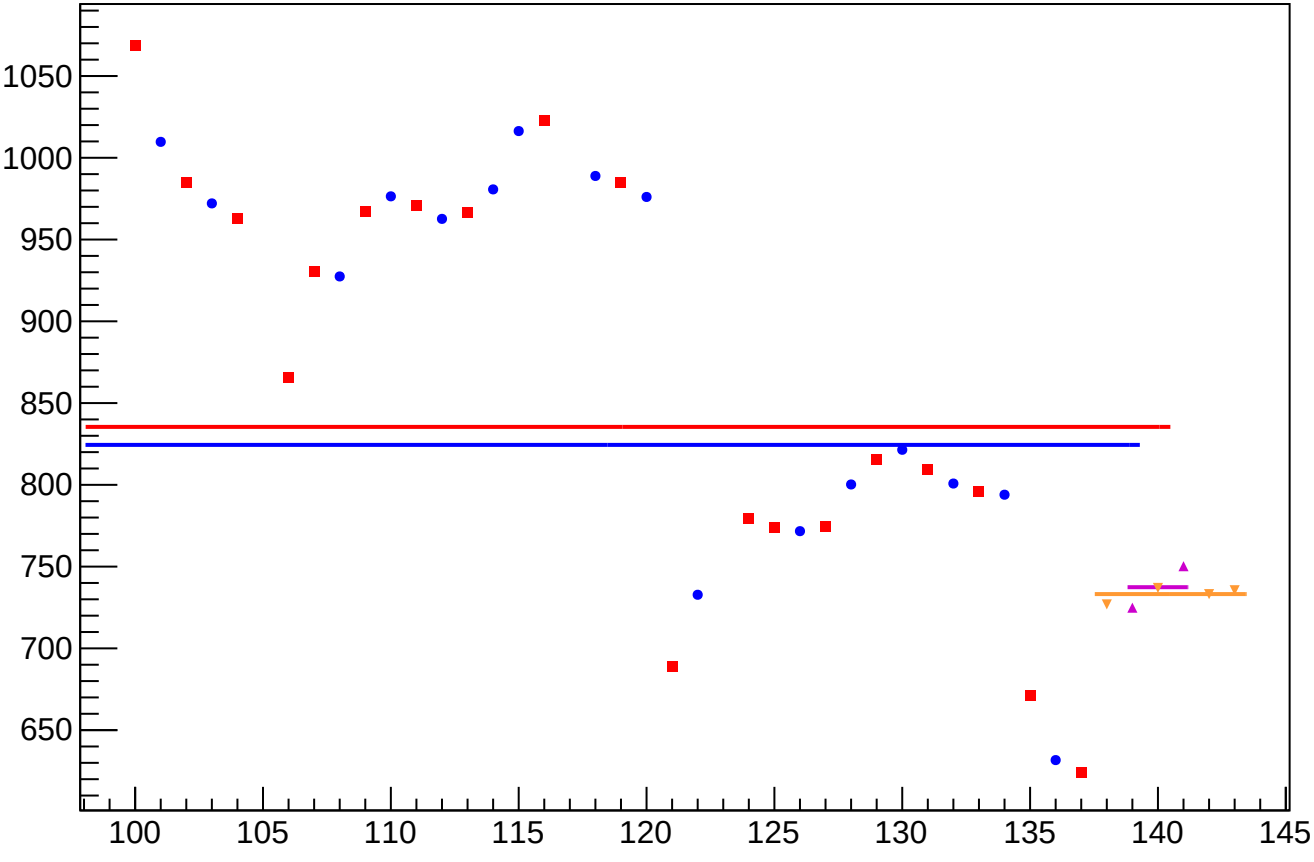
Left In: -0.143+/-0.560 χ^2/NDF:0.5/1

+ sign 0.277+/-0.252 χ^2/NDF: 19.4/19

All: 0.144+/-0.184 χ^2/NDF: 36.4/40

- sign -0.010+/-0.270 χ^2/NDF: 16.3/20

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 733.201+/-0.306 χ^2/NDF:178.2/3

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

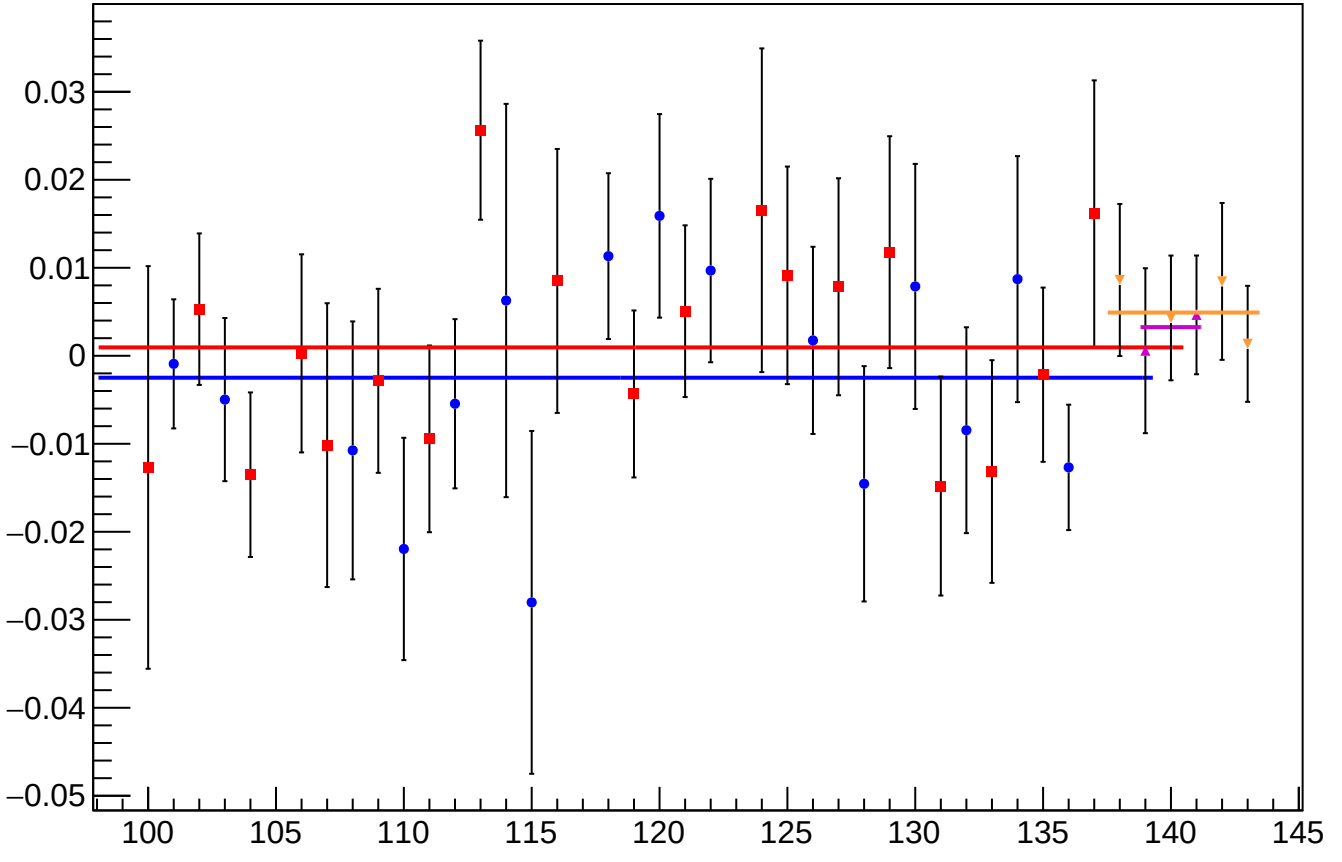
Left In: 737.412+/-0.396 χ^2/NDF:1023.6/1

+ sign 793.321+/-0.178 χ^2/NDF: 424406.0/19

All: 802.315+/-0.130 χ^2/NDF: 797142.5/40

- sign 812.638+/-0.191 χ^2/NDF: 367277.6/20

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.005+/-0.004 χ^2/NDF:0.6/3

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

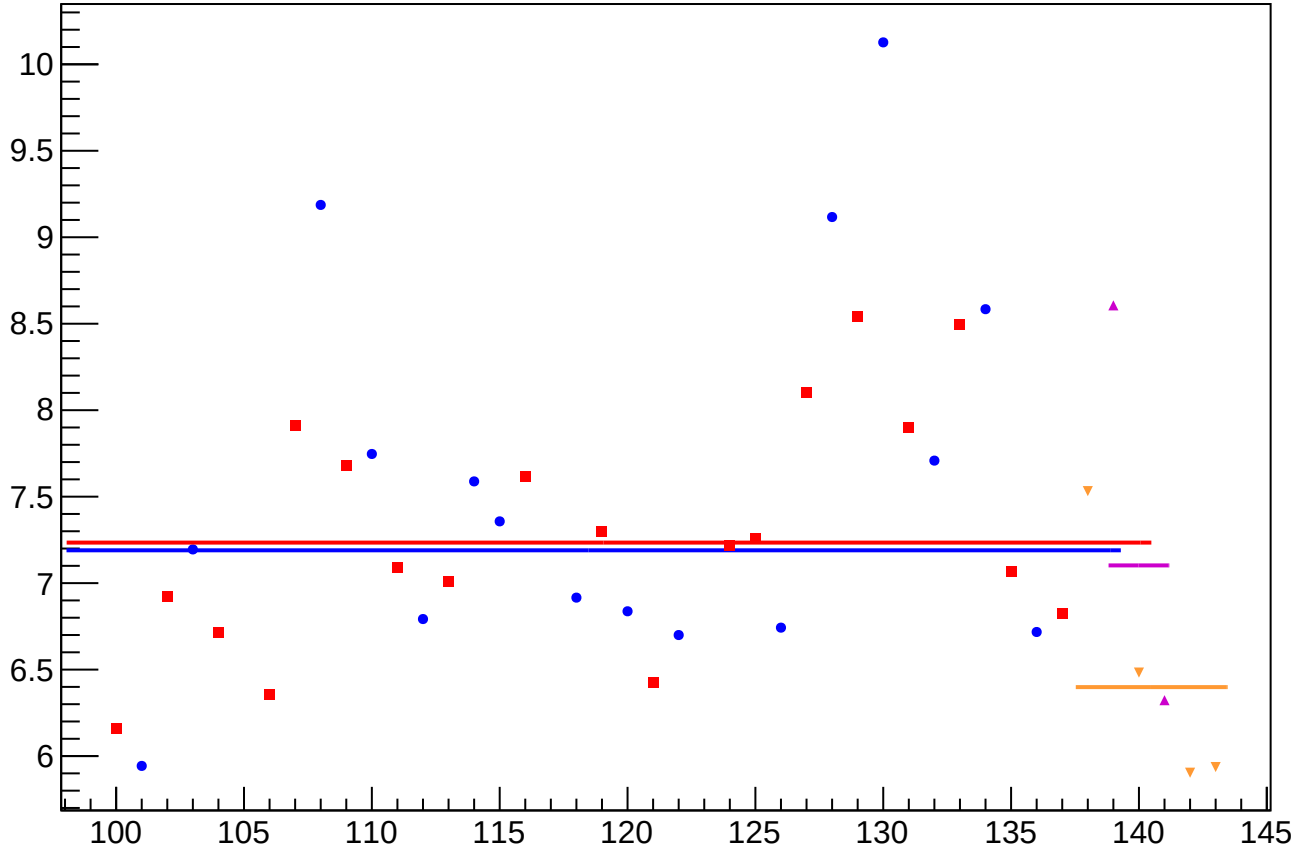
Left In: 0.003+/-0.005 χ^2/NDF:0.1/1

+ sign -0.000+/-0.002 χ^2/NDF: 18.4/19

All: 0.001+/-0.002 χ^2/NDF: 36.2/40

- sign 0.001+/-0.002 χ^2/NDF: 17.6/20

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.399+/-0.003 χ^2/NDF:50707.5/3

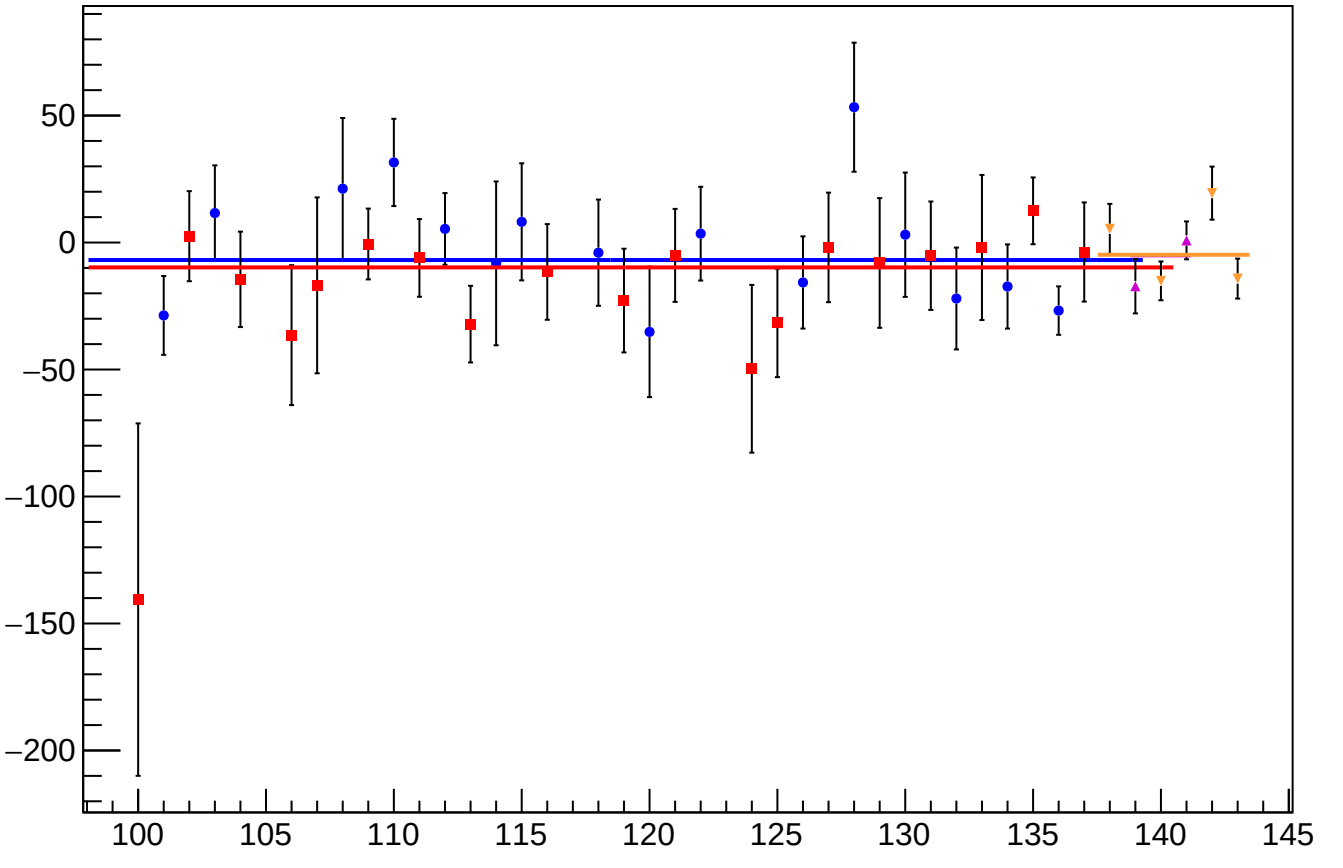
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.102+/-0.004 χ^2/NDF:78168.4/1

+ sign 6.924+/-0.002 χ^2/NDF: 385615.7/19

All: 7.055+/-0.001 χ^2/NDF: 586335.5/40

- sign 7.209+/-0.002 χ^2/NDF: 185373.7/20



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -4.821+/-4.351 χ^2/NDF:9.7/3

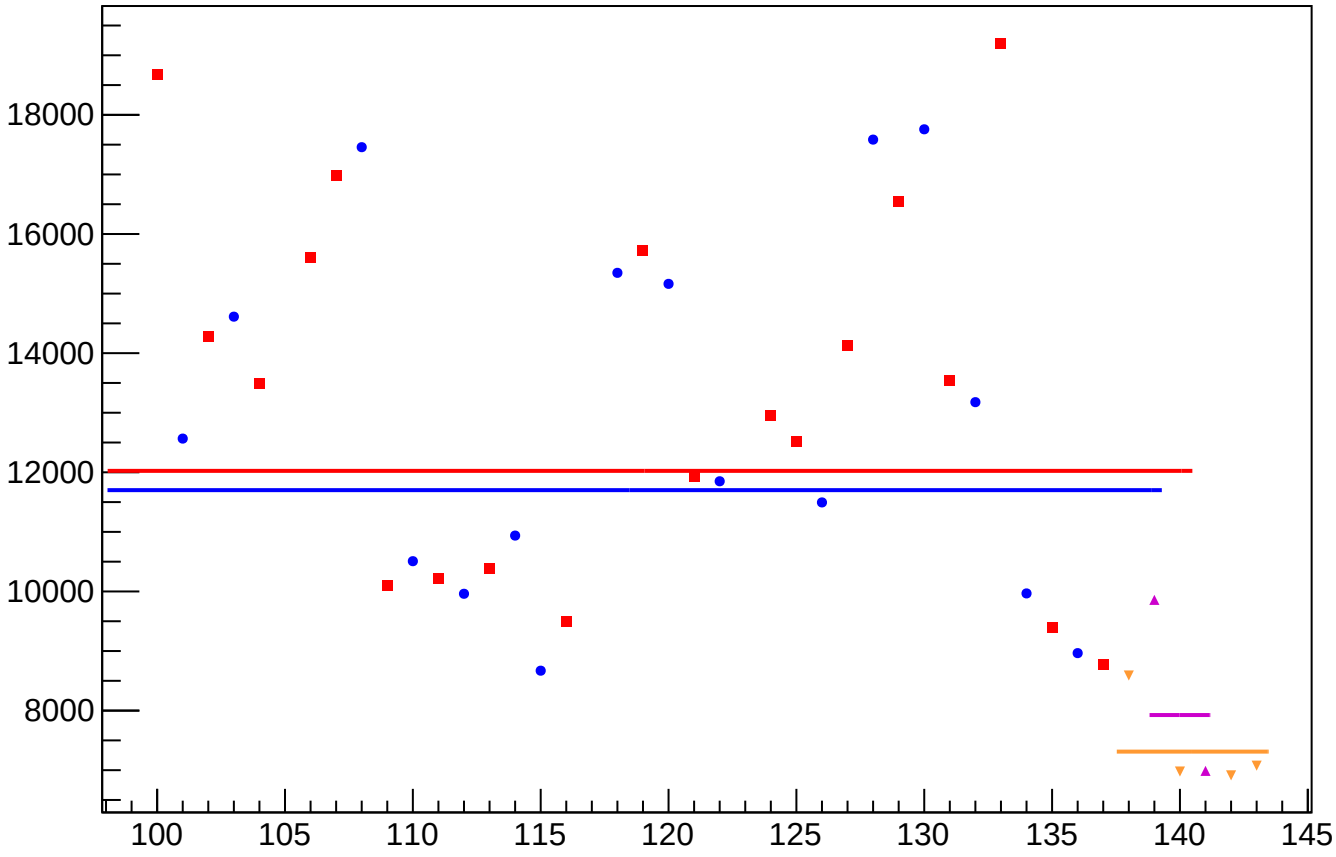
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -5.036+/-6.125 χ^2/NDF:1.9/1

+ sign -5.824+/-3.124 χ^2/NDF: 32.8/19

All: -6.797+/-2.369 χ^2/NDF: 49.4/40

- sign -8.115+/-3.636 χ^2/NDF: 16.3/20



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7311.725+/-3.077 χ^2/NDF:42291.0/3

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

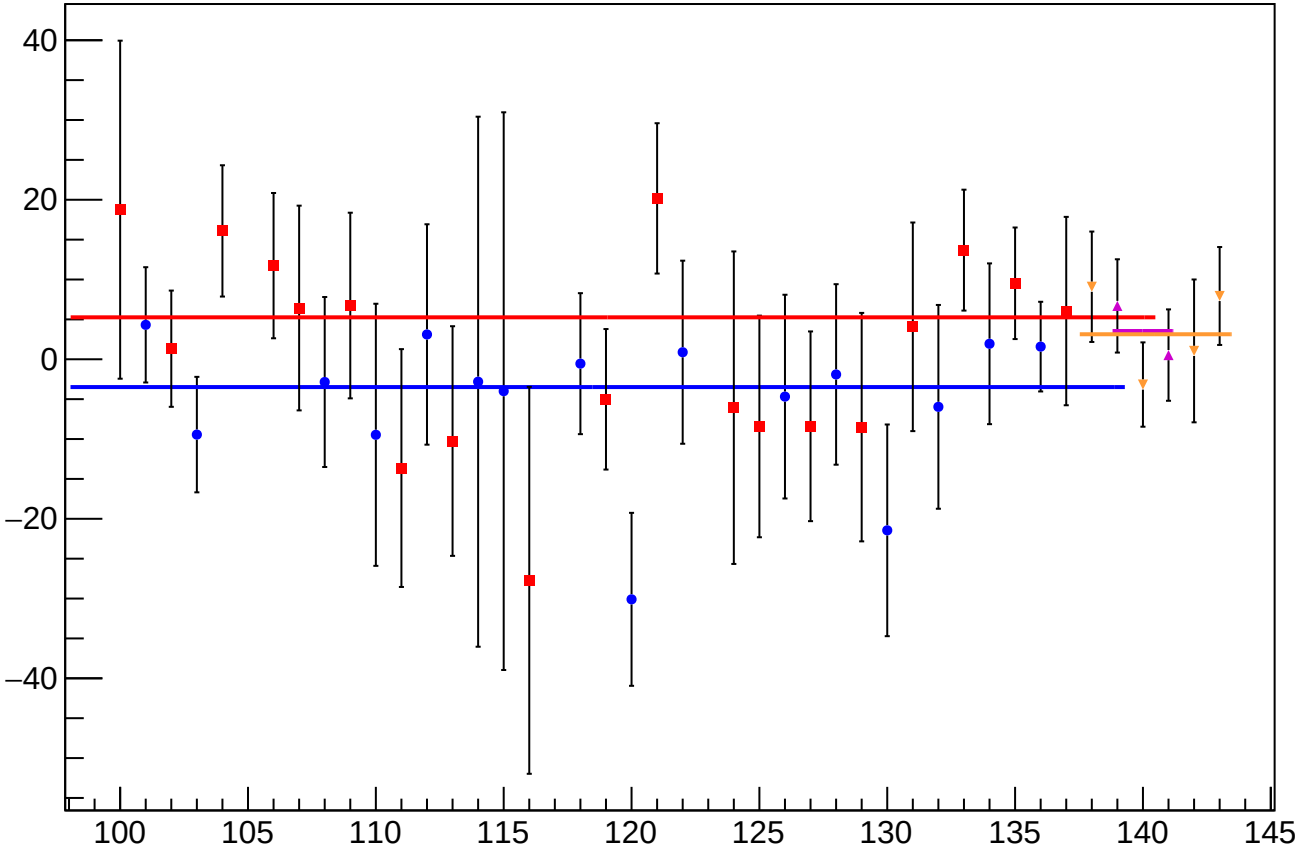
Left In: 7925.608+/-4.331 χ^2/NDF:96592.8/1

+ sign 9438.141+/-2.209 χ^2/NDF: 1768297.4/19

All: 9923.287+/-1.675 χ^2/NDF: 3243276.6/40

- sign 10580.250+/-2.571 χ^2/NDF: 1361440.5/20

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.137+/-3.233 χ^2/NDF:2.8/3

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

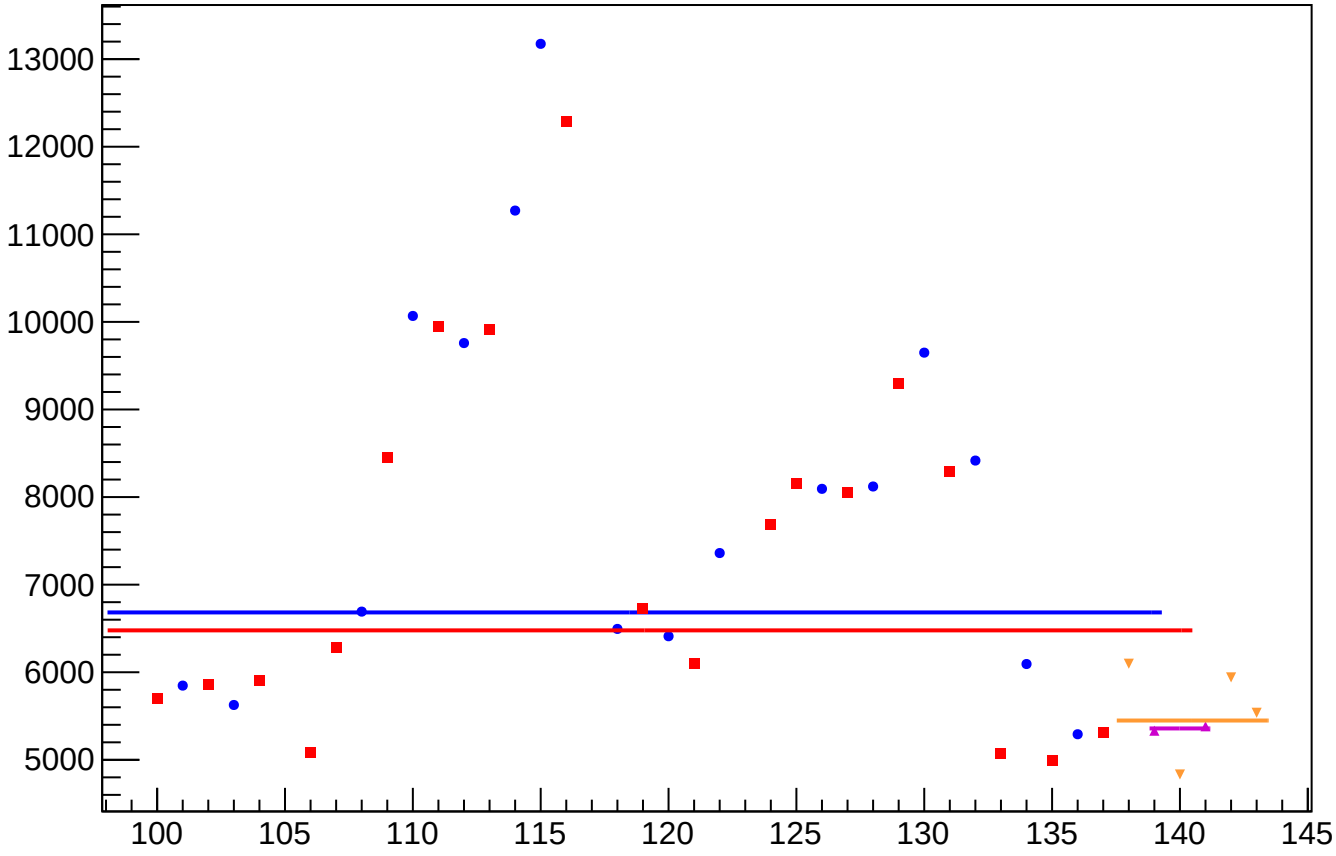
Left In: 3.544+/-4.093 χ^2/NDF:0.6/1

+ sign -0.946+/-2.002 χ^2/NDF: 16.9/19

All: 1.794+/-1.449 χ^2/NDF: 38.1/40

- sign 4.808+/-2.100 χ^2/NDF: 17.3/20

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5448.866+/-2.286 χ^2/NDF:51179.3/3

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

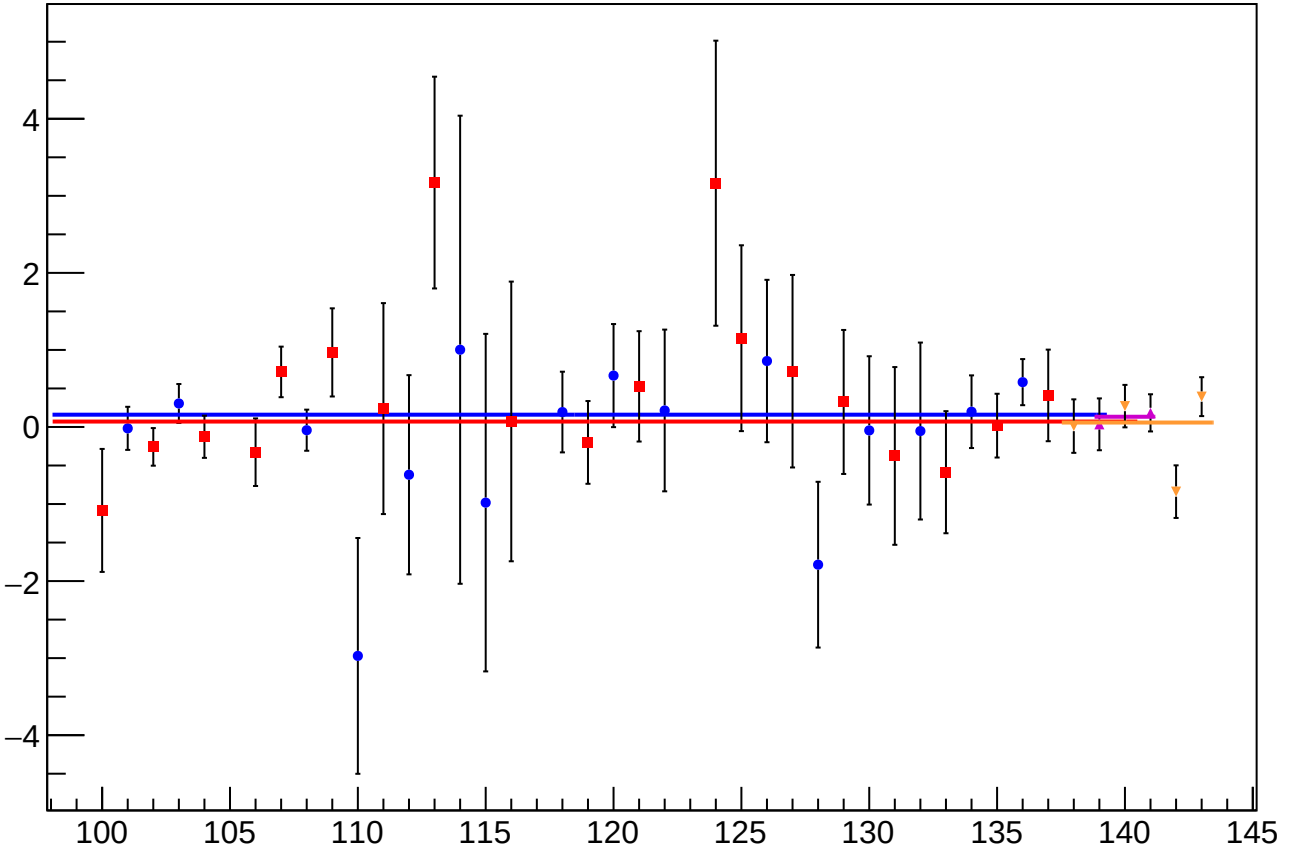
Left In: 5358.390+/-2.894 χ^2/NDF:75.7/1

+ sign 6209.775+/-1.416 χ^2/NDF: 923054.7/19

All: 6197.208+/-1.025 χ^2/NDF: 1872819.0/40

- sign 6183.382+/-1.485 χ^2/NDF: 949598.8/20

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.058+/-0.148 χ^2/NDF:9.3/3

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

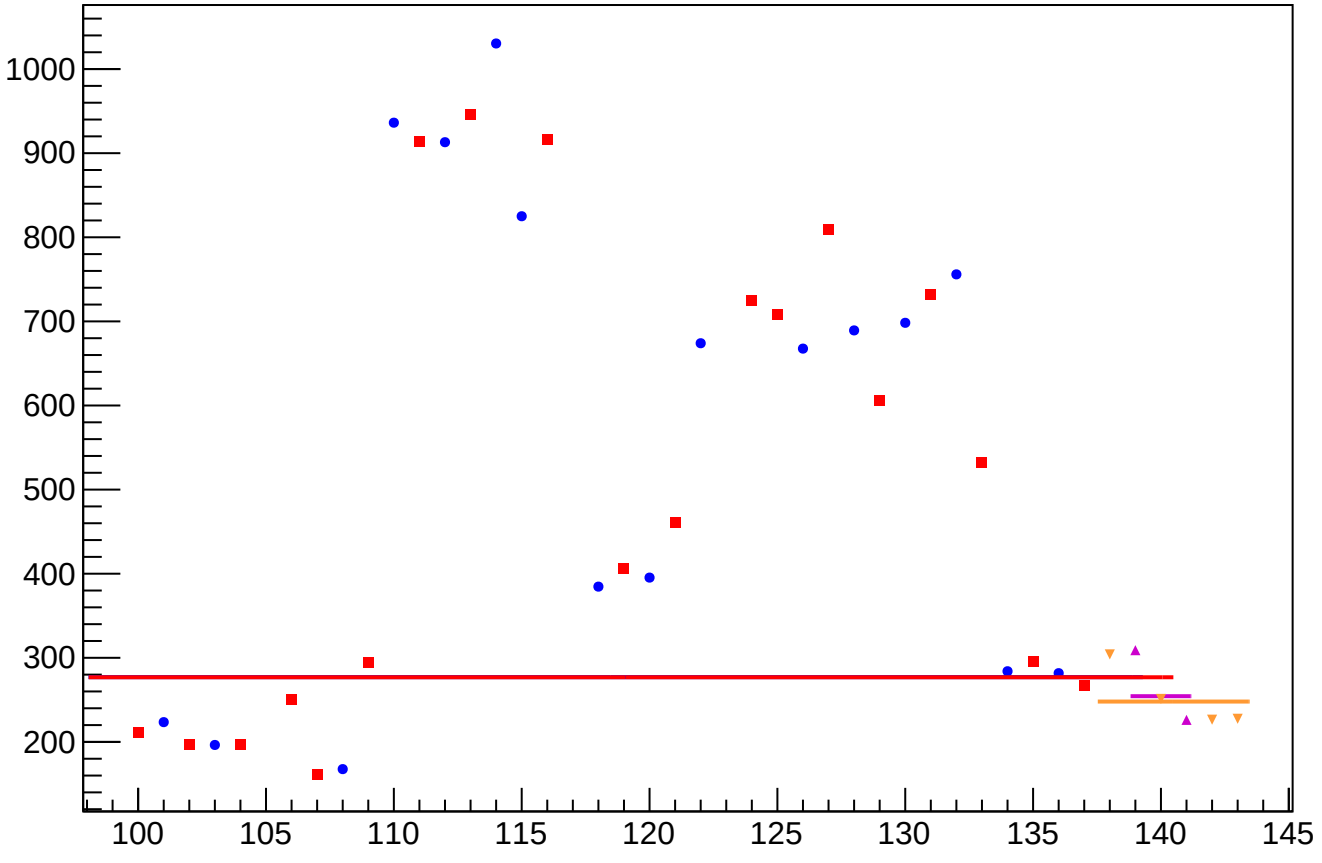
Left In: 0.133+/-0.196 χ^2/NDF:0.1/1

+ sign 0.119+/-0.093 χ^2/NDF: 22.2/19

All: 0.105+/-0.069 χ^2/NDF: 44.9/40

- sign 0.087+/-0.102 χ^2/NDF: 22.7/20

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 247.984+/-0.105 χ^2/NDF:73566.6/3

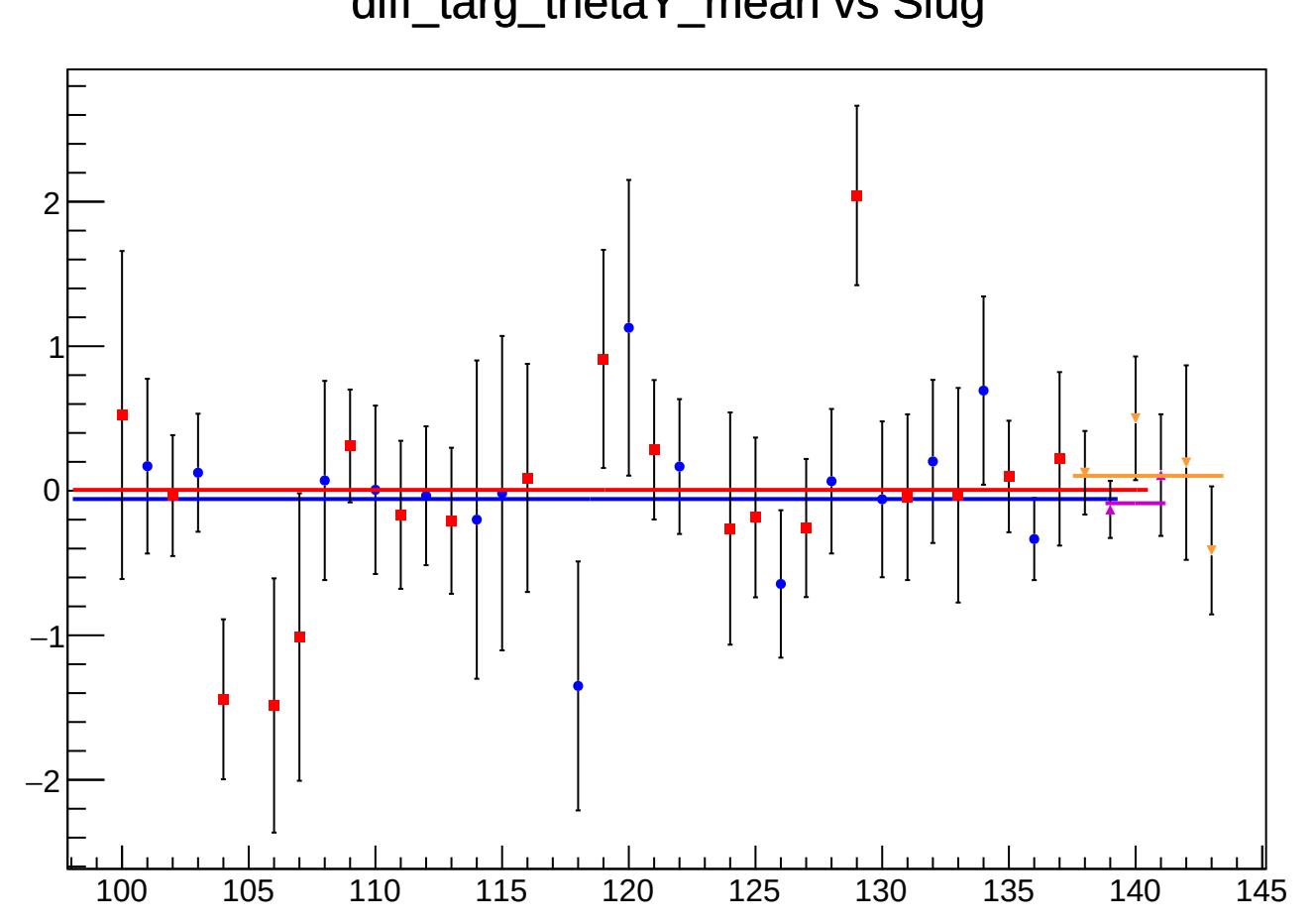
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 254.365+/-0.139 χ^2/NDF:80115.8/1

+ sign 265.536+/-0.066 χ^2/NDF: 3570720.8/19

All: 267.901+/-0.049 χ^2/NDF: 7244504.6/40

- sign 270.756+/-0.072 χ^2/NDF: 3670927.7/20



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.103+/-0.201 χ^2/NDF:2.2/3

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

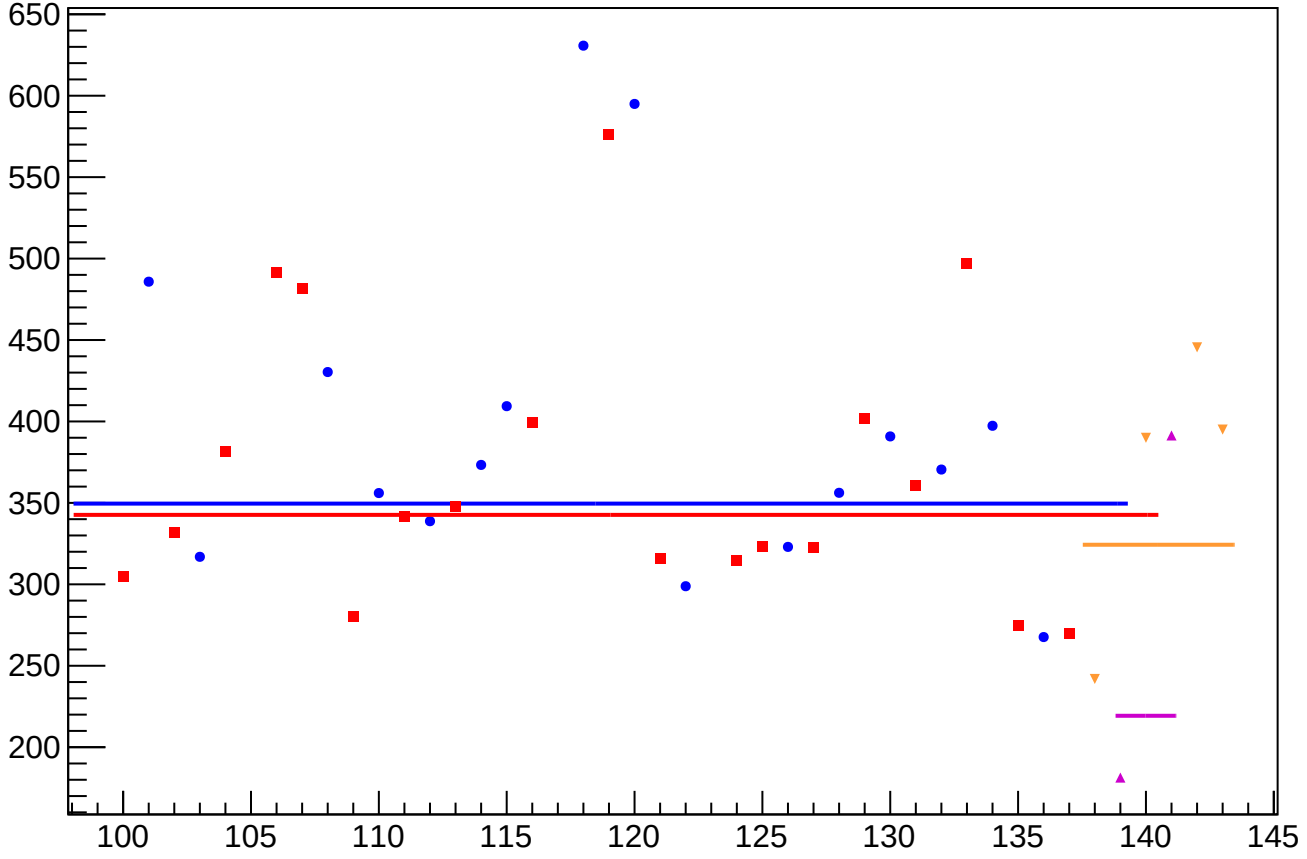
Left In: -0.086+/-0.179 χ^2/NDF:0.3/1

+ sign -0.008+/-0.111 χ^2/NDF: 10.8/19

All: -0.017+/-0.076 χ^2/NDF: 36.4/40

- sign -0.026+/-0.105 χ^2/NDF: 25.6/20

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 324.300+/-0.142 χ^2/NDF:325665.7/3

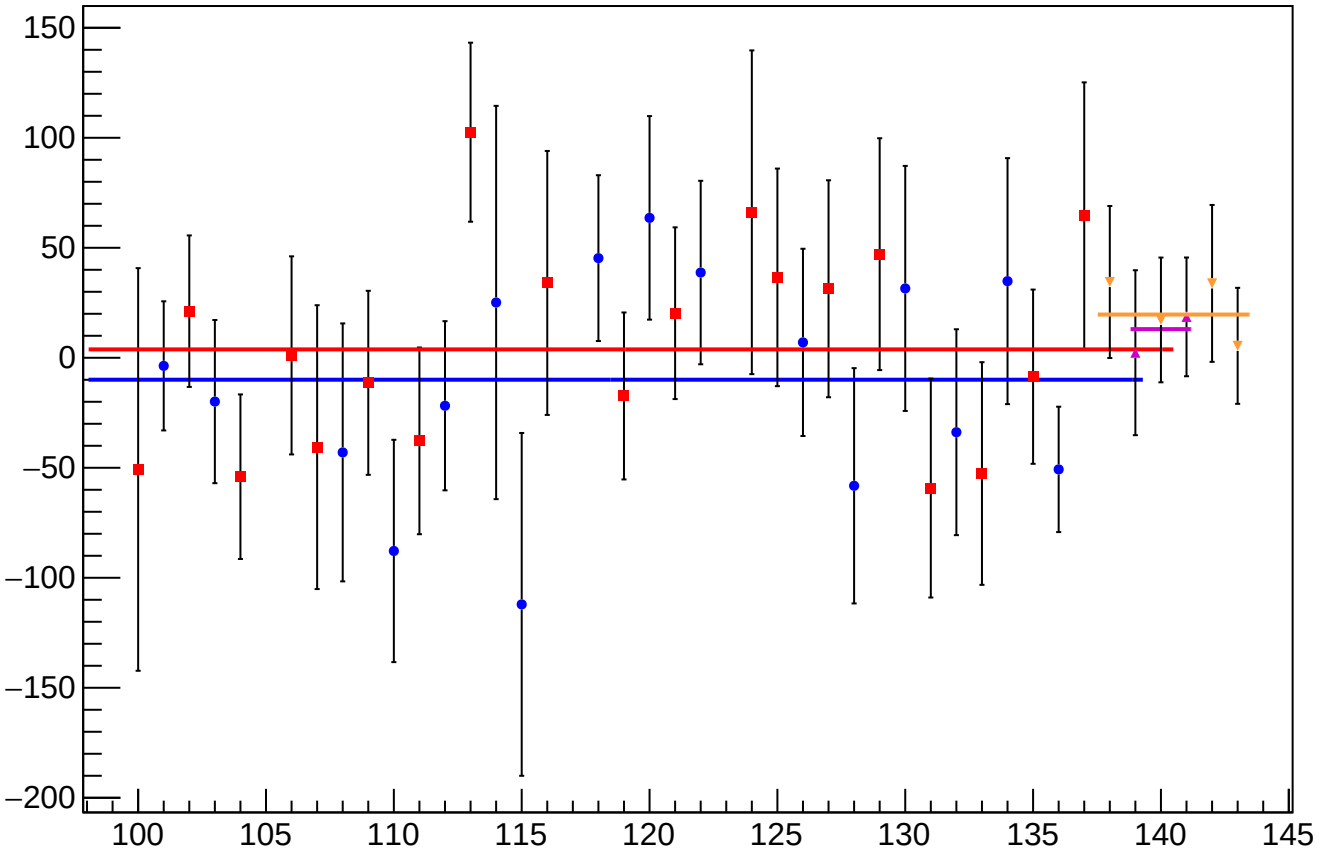
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 219.291+/-0.126 χ^2/NDF:408474.3/1

+ sign 341.805+/-0.079 χ^2/NDF: 1046854.2/19

All: 319.823+/-0.054 χ^2/NDF: 2803862.4/40

- sign 300.447+/-0.074 χ^2/NDF: 1610461.2/20



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

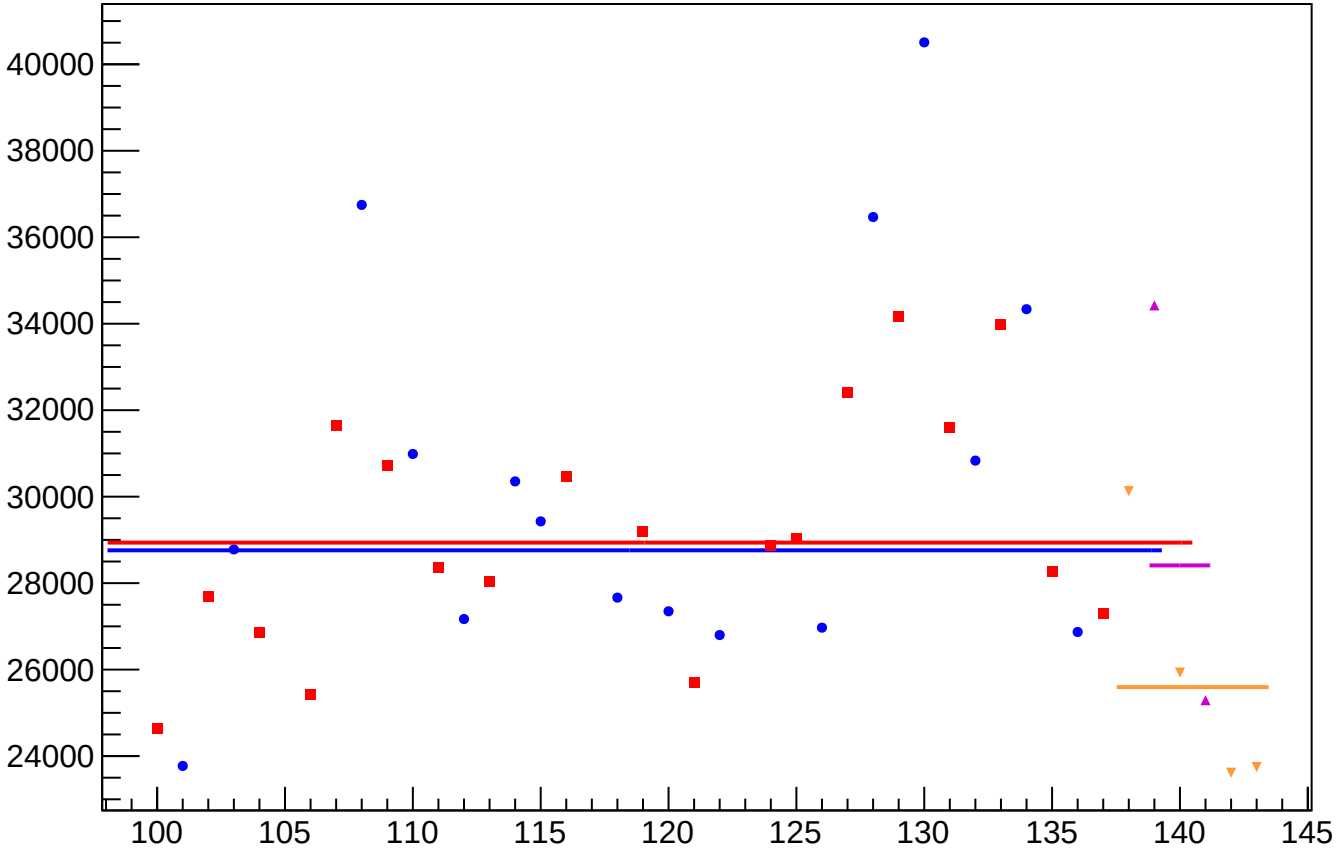
Left In: 13.031+/-21.903 χ^2/NDF:0.1/1

+ sign -0.018+/-8.831 χ^2/NDF: 18.4/19

All: 2.554+/-6.489 χ^2/NDF: 36.2/40

- sign 5.572+/-9.568 χ^2/NDF: 17.6/20

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25595.044+/-10.775 χ^2/NDF:50707.5/3

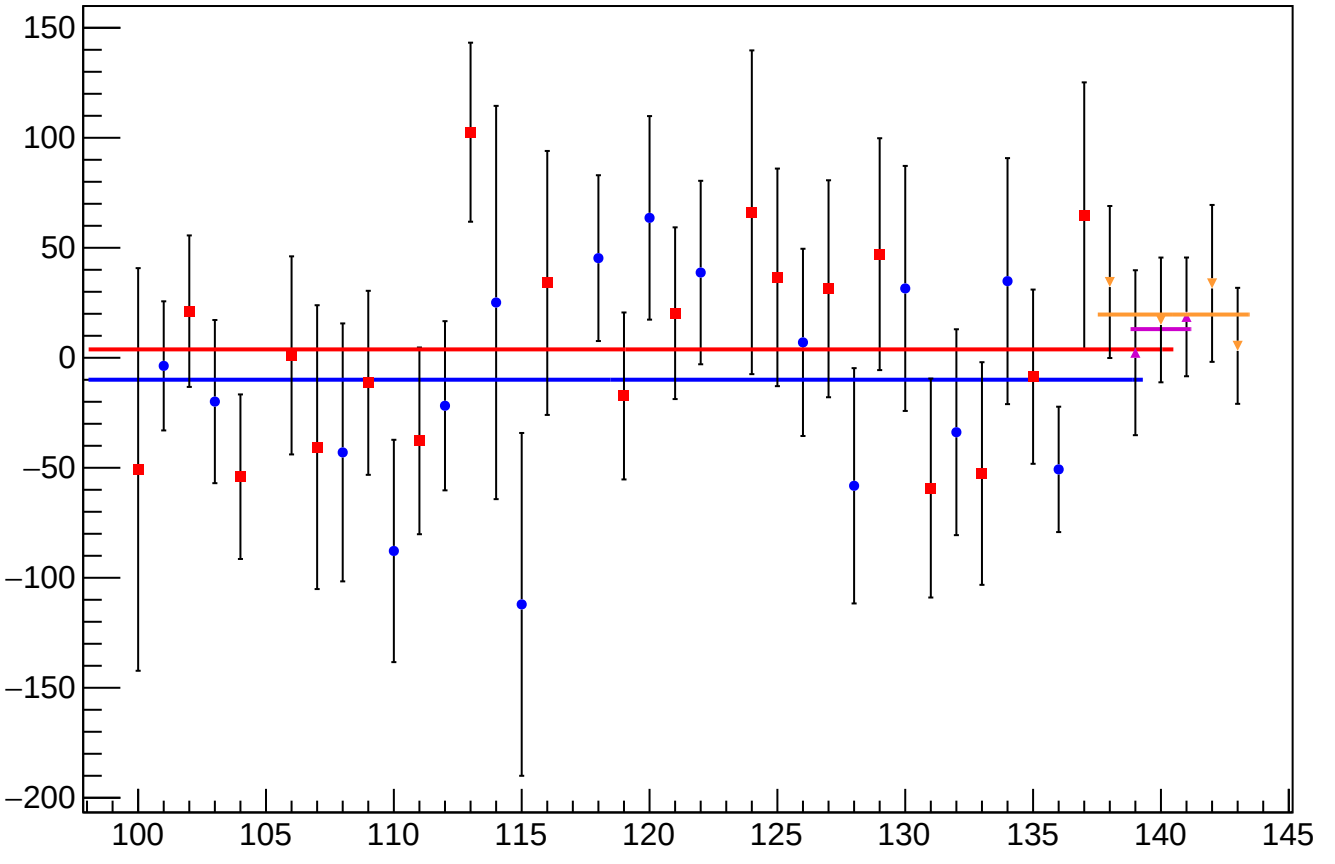
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28409.950+/-15.488 χ^2/NDF:78168.4/1

+ sign 27696.414+/-6.244 χ^2/NDF: 385615.7/19

All: 28221.079+/-4.589 χ^2/NDF: 586335.5/40

- sign 28836.941+/-6.765 χ^2/NDF: 185373.7/20



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

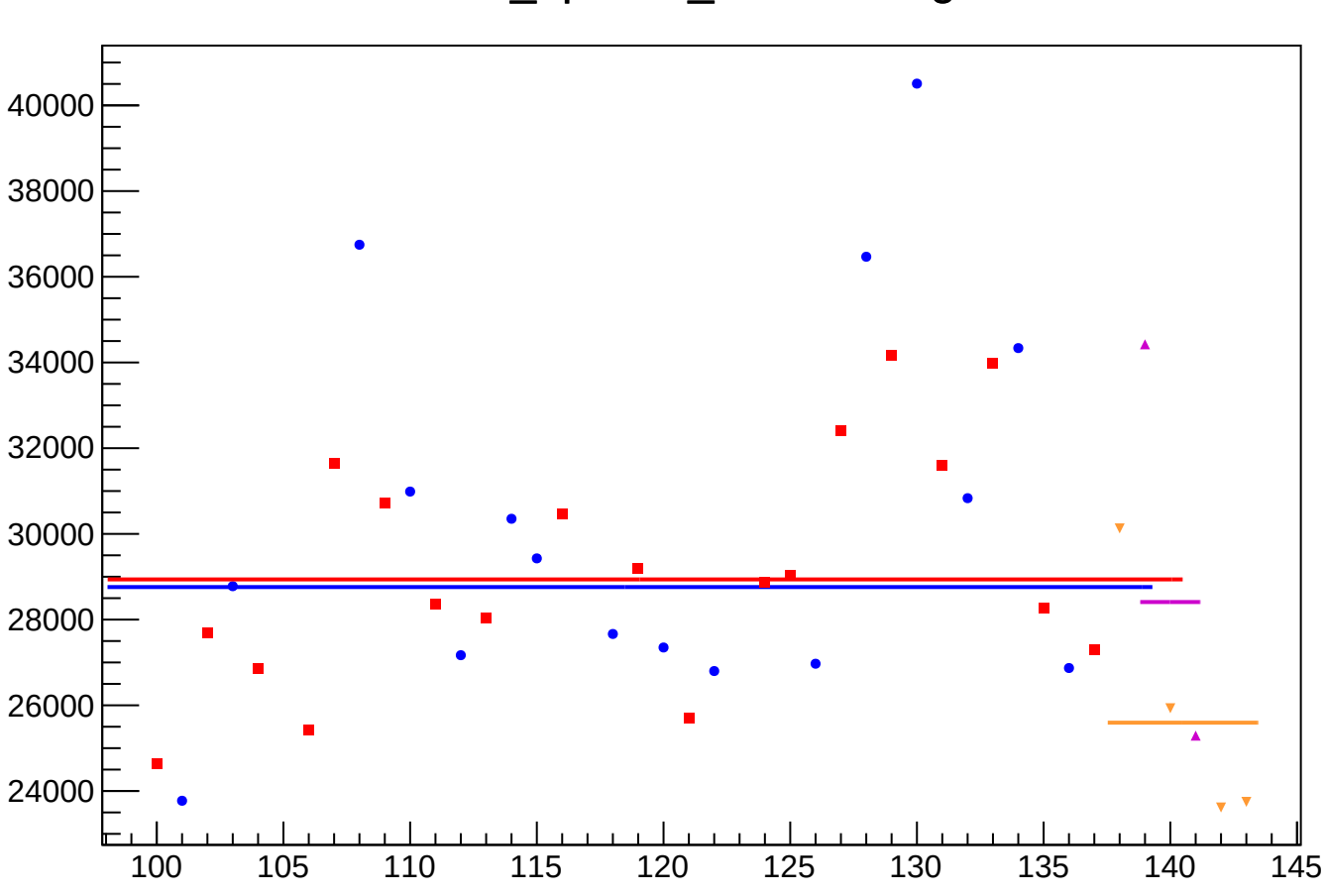
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 13.031+/-21.903 χ^2/NDF:0.1/1

+ sign -0.018+/-8.831 χ^2/NDF: 18.4/19

All: 2.554+/-6.489 χ^2/NDF: 36.2/40

- sign 5.572+/-9.568 χ^2/NDF: 17.6/20



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25595.044+/-10.775 χ^2/NDF:50707.5/3

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

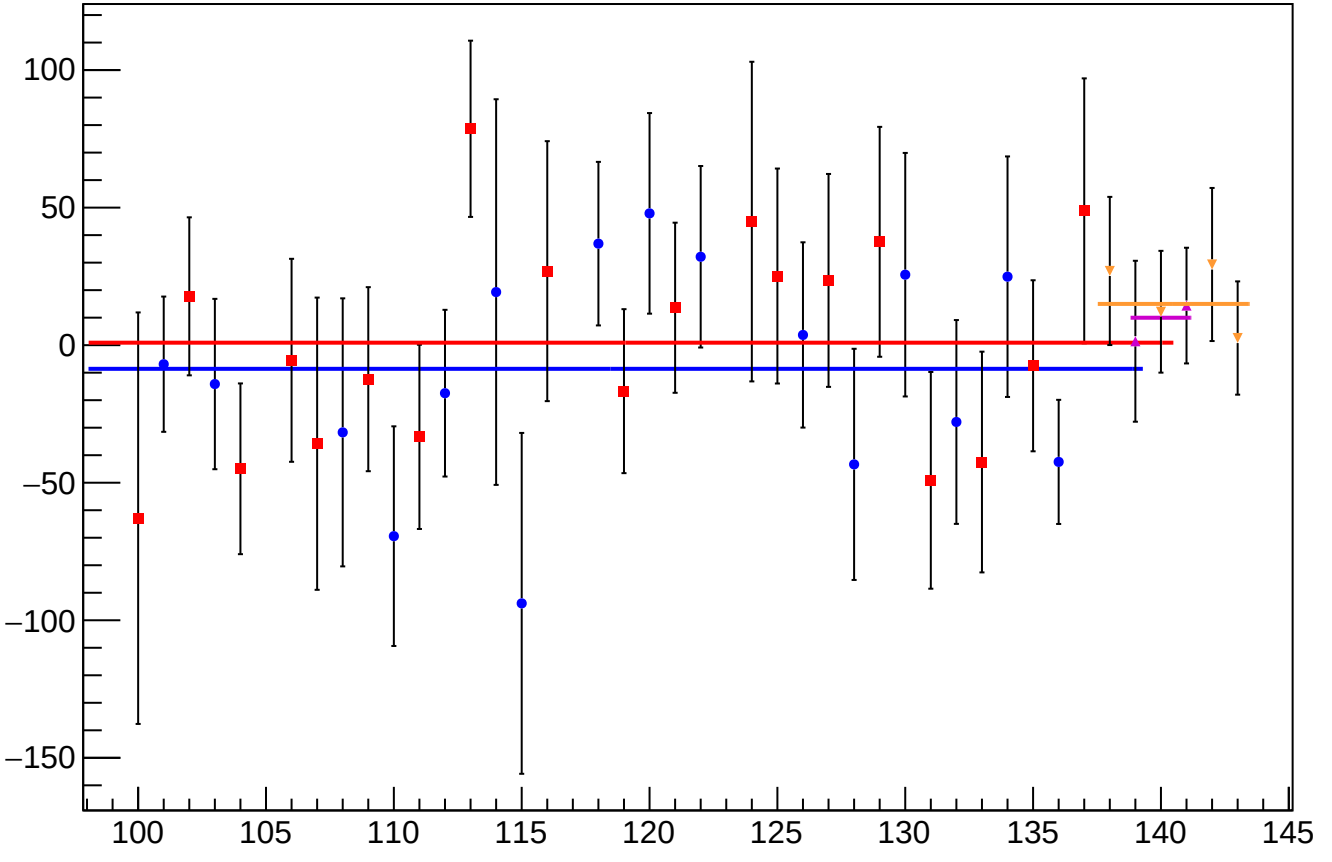
Left In: 28409.950+/-15.488 χ^2/NDF:78168.4/1

+ sign 27696.414+/-6.244 χ^2/NDF: 385615.7/19

All: 28221.079+/-4.589 χ^2/NDF: 586335.5/40

- sign 28836.941+/-6.765 χ^2/NDF: 185373.7/20

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 14.992+/-11.893 χ^2/NDF:0.8/3

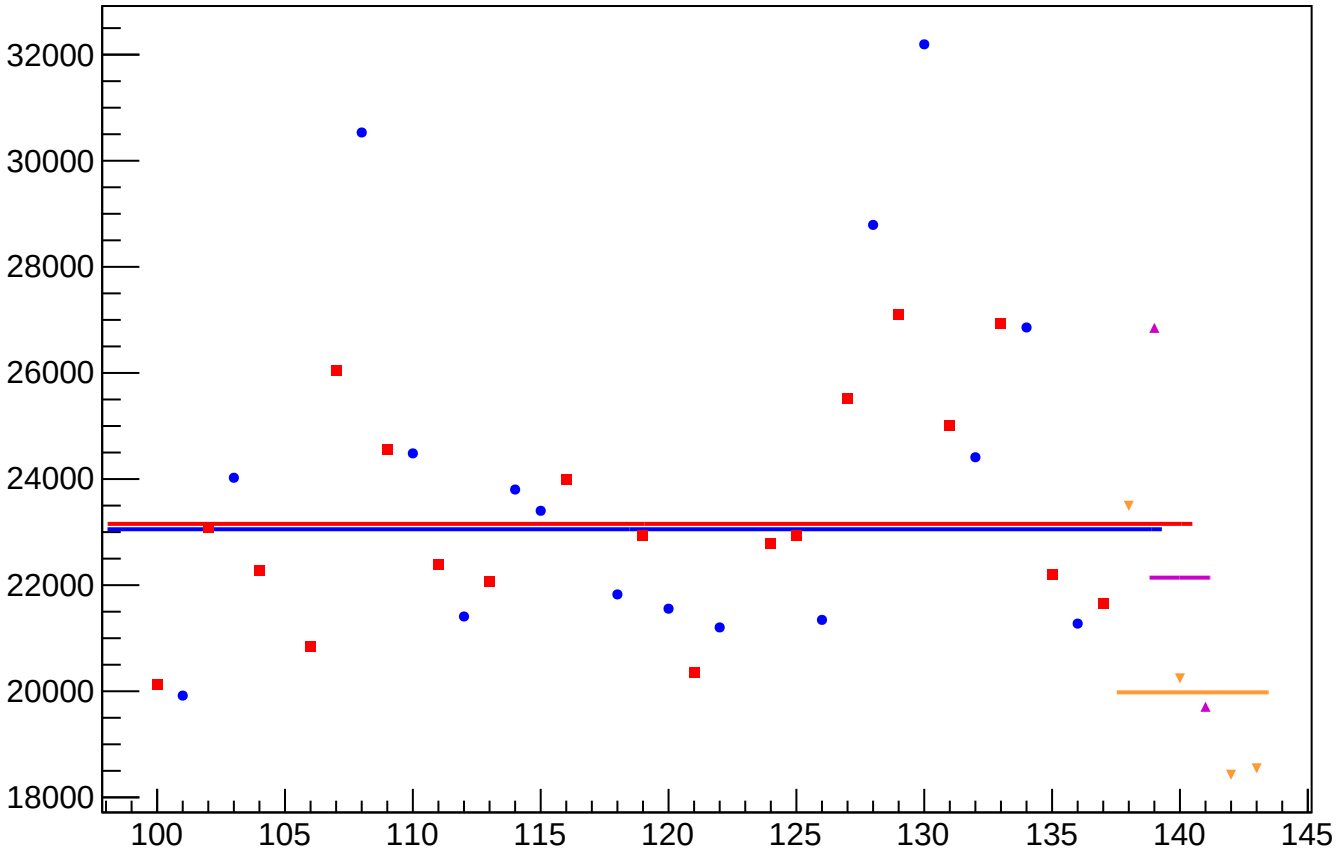
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 9.972+/-17.074 χ^2/NDF:0.1/1

+ sign -0.402+/-7.010 χ^2/NDF: 18.9/19

All: 1.024+/-5.157 χ^2/NDF: 37.0/40

- sign 2.707+/-7.613 χ^2/NDF: 18.0/20



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 19979.629+/-8.410 χ^2/NDF:50286.7/3

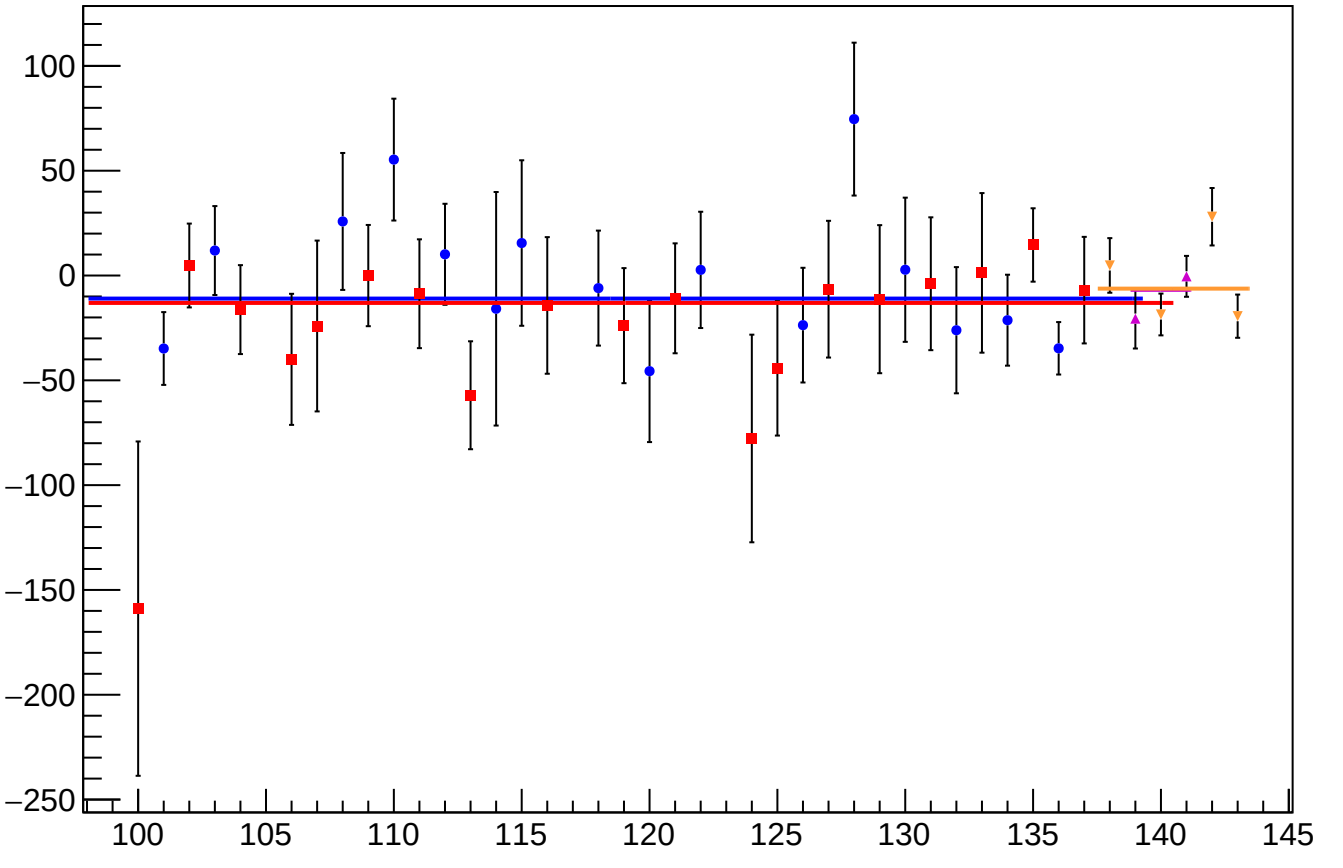
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 22141.612+/-12.073 χ^2/NDF:78620.7/1

+ sign 21985.714+/-4.957 χ^2/NDF: 398936.7/19

All: 22429.864+/-3.647 χ^2/NDF: 594595.0/40

- sign 22953.706+/-5.383 χ^2/NDF: 178162.2/20



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -6.252+/-5.708 χ^2/NDF:10.1/3

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

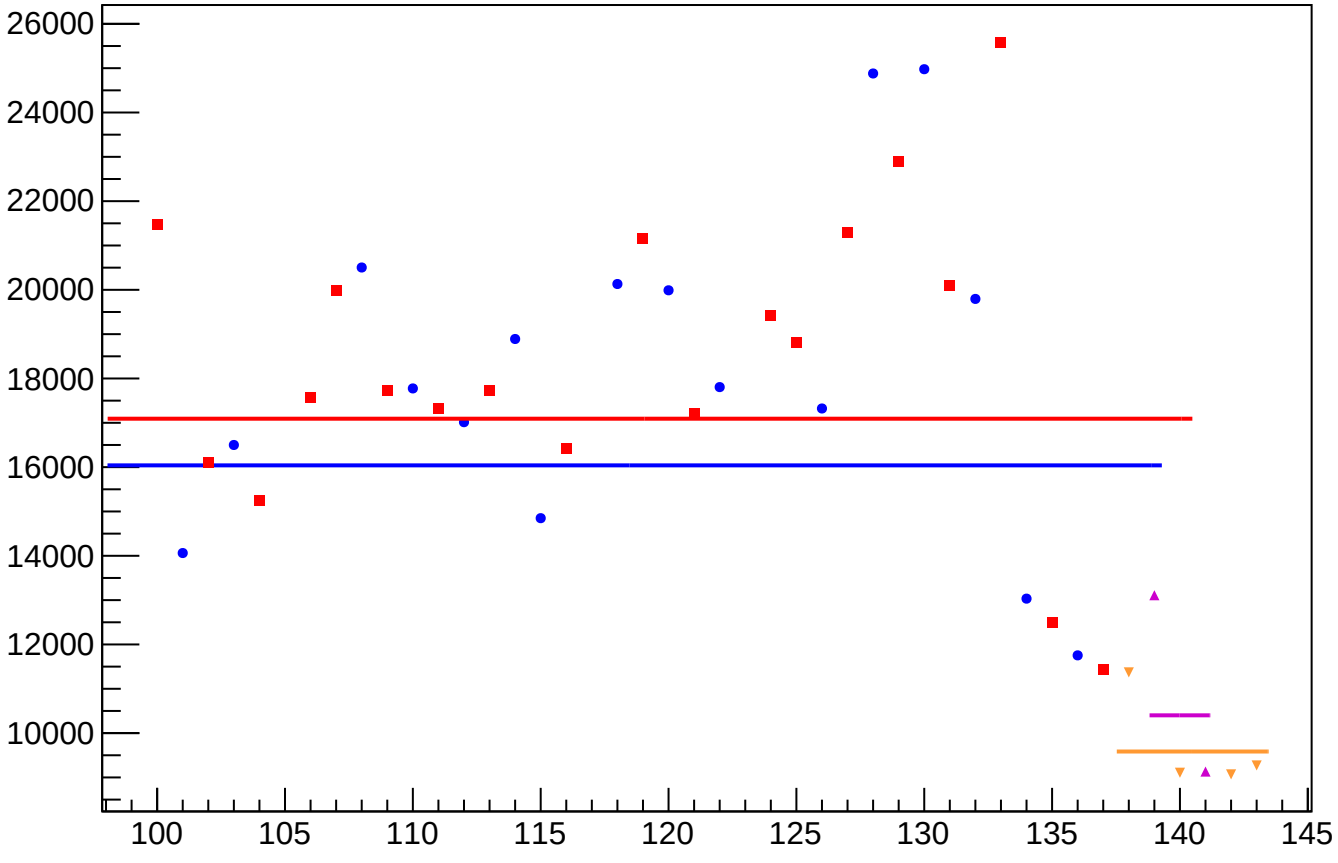
Left In: -6.823+/-8.050 χ^2/NDF:1.4/1

+ sign -8.449+/-4.185 χ^2/NDF: 32.5/19

All: -9.359+/-3.210 χ^2/NDF: 48.2/40

- sign -10.660+/-5.001 χ^2/NDF: 15.6/20

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9584.812+/-4.036 χ^2/NDF:46857.1/3

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

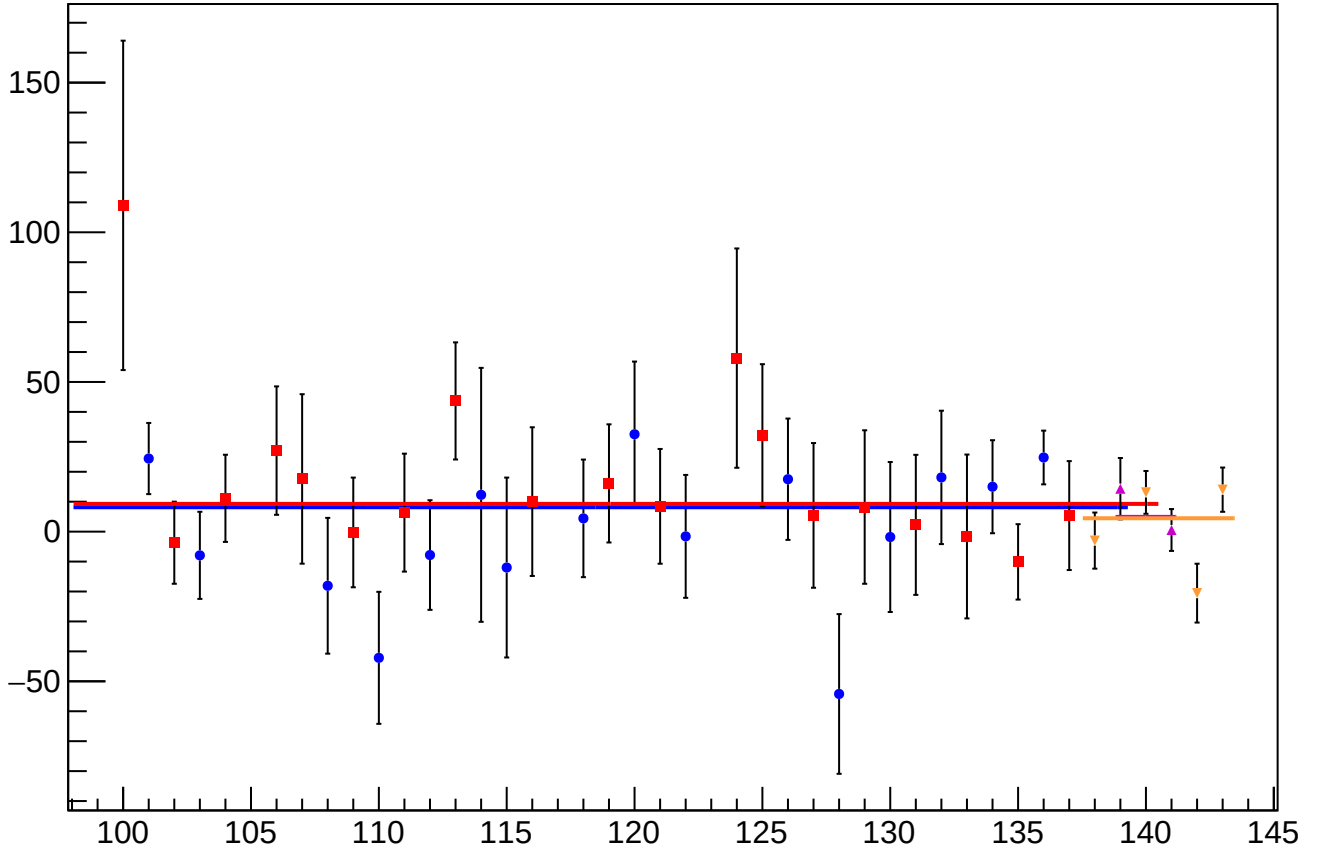
Left In: 10401.135+/-5.692 χ^2/NDF:106067.6/1

+ sign 12569.588+/-2.959 χ^2/NDF: 1952273.3/19

All: 13368.890+/-2.270 χ^2/NDF: 3619497.5/4

- sign 14510.139+/-3.536 χ^2/NDF: 1490122.1/20

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 4.471+/-4.097 χ^2/NDF:10.2/3

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

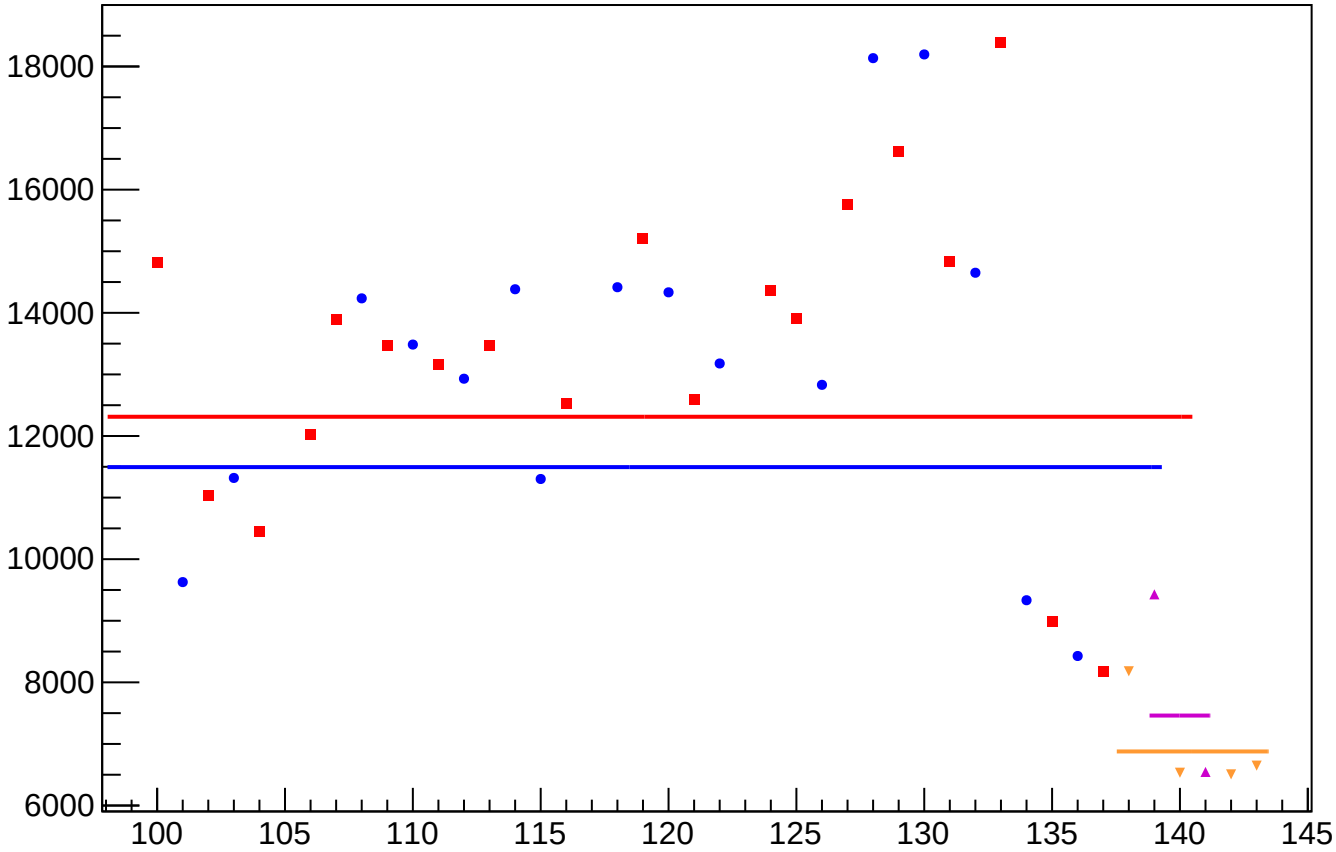
Left In: 4.929+/-5.776 χ^2/NDF:1.2/1

+ sign 6.170+/-3.005 χ^2/NDF: 32.4/19

All: 6.750+/-2.308 χ^2/NDF: 47.9/40

- sign 7.582+/-3.602 χ^2/NDF: 15.4/20

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 6877.975+/-2.897 χ^2/NDF:48059.9/3

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

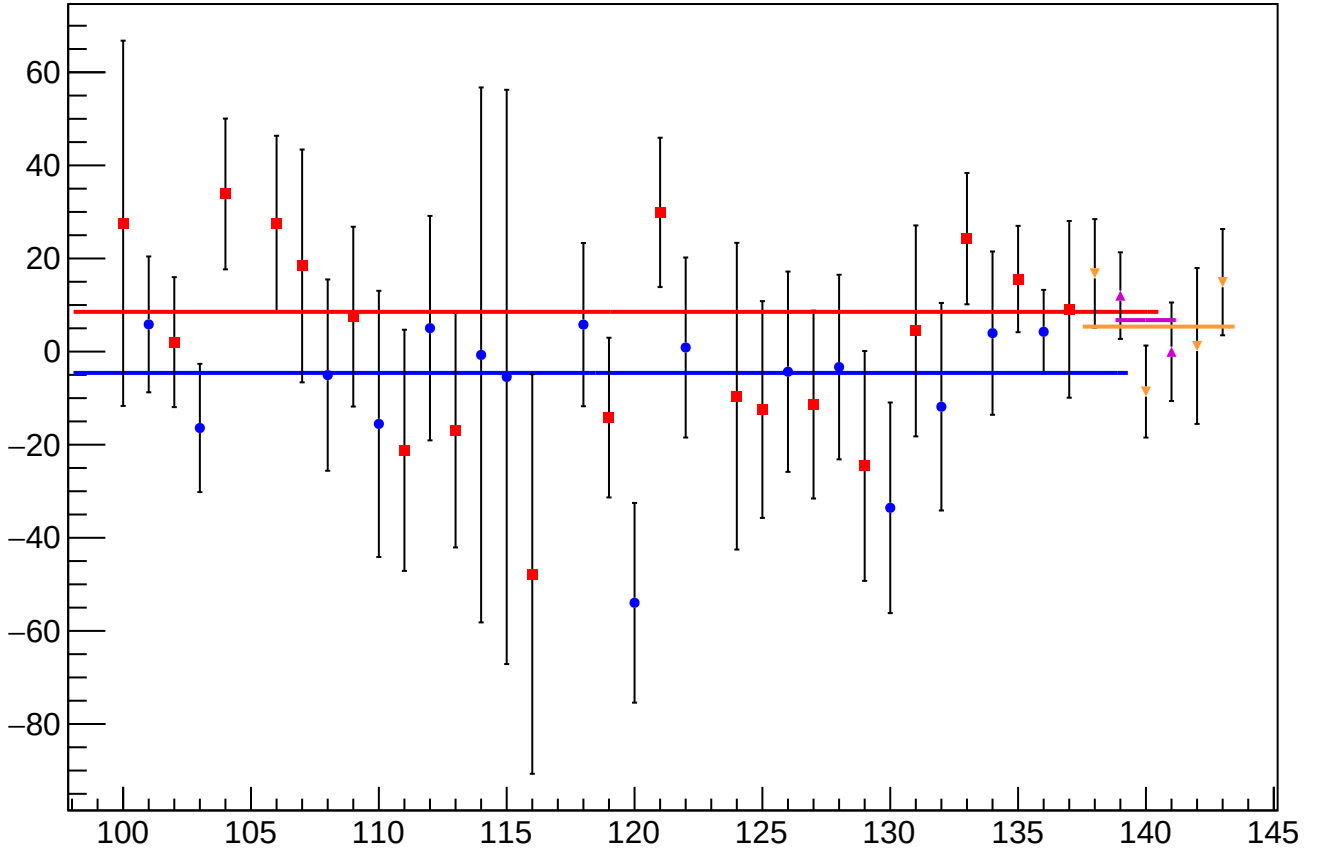
Left In: 7460.859+/-4.084 χ^2/NDF:107981.6/1

+ sign 9009.884+/-2.125 χ^2/NDF: 2011136.9/19

All: 9591.176+/-1.632 χ^2/NDF: 3762555.0/40

- sign 10426.035+/-2.547 χ^2/NDF: 1569144.3/20

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.365+/-5.887 χ^2/NDF:3.7/3

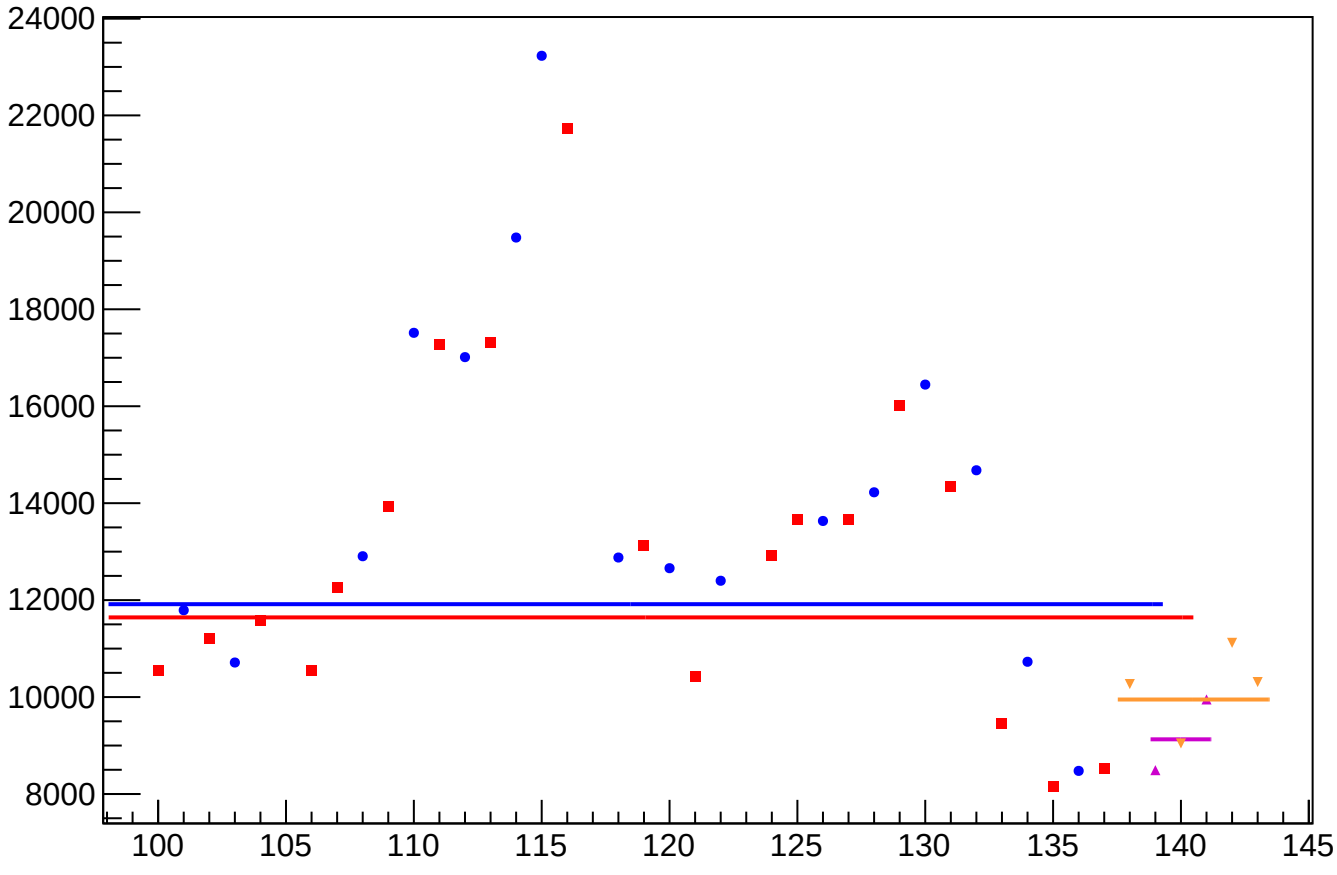
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 6.767+/-6.986 χ^2/NDF:0.7/1

+ sign -0.856+/-3.602 χ^2/NDF: 15.7/19

All: 3.449+/-2.587 χ^2/NDF: 36.7/40

- sign 8.036+/-3.718 χ^2/NDF: 18.0/20



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 9949.587+/-4.163 χ^2/NDF:30061.5/3

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

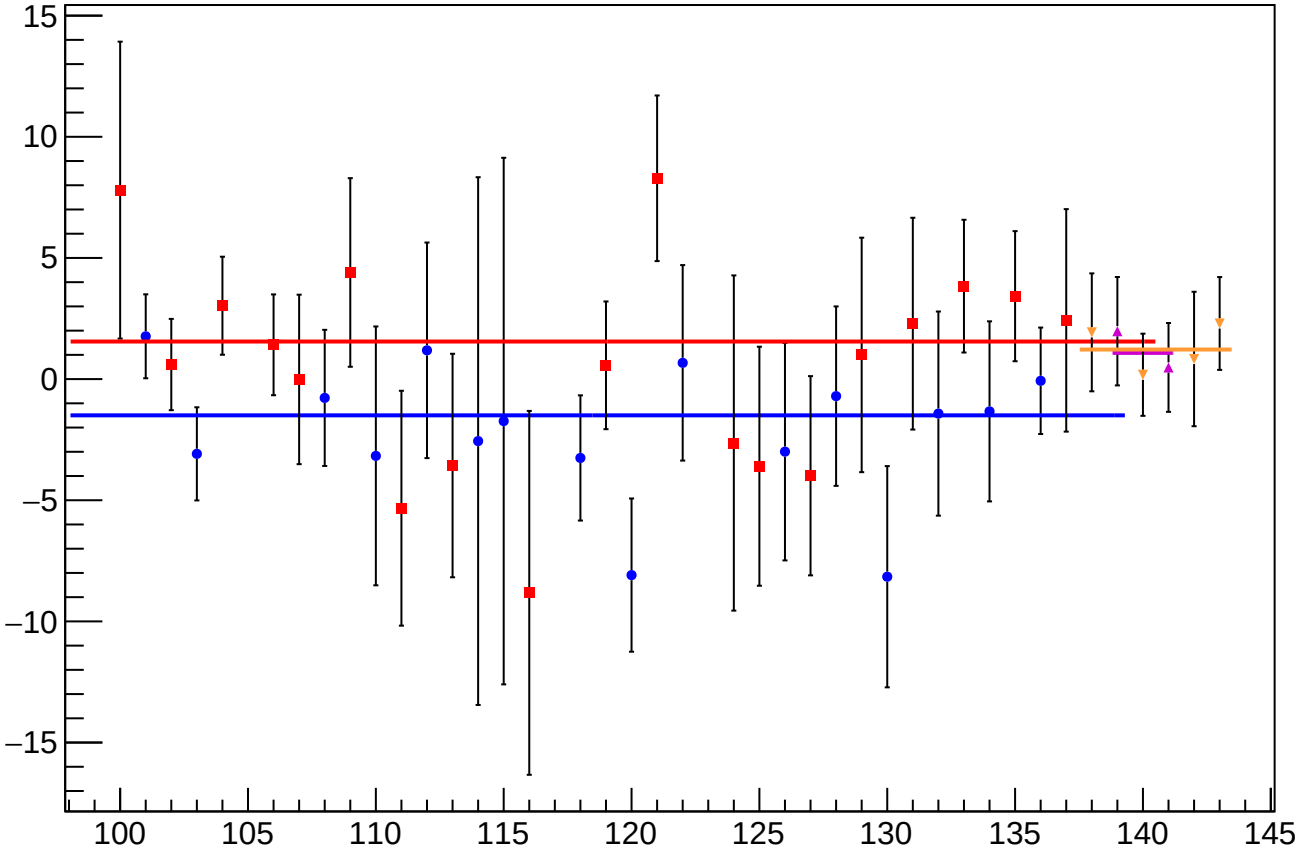
Left In: 9128.219+/-4.940 χ^2/NDF:21439.6/1

+ sign 11180.106+/-2.547 χ^2/NDF: 919477.2/19

All: 11059.537+/-1.829 χ^2/NDF: 1921719.3/4

- sign 10931.057+/-2.629 χ^2/NDF: 997613.8/20

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.220+/-1.043 χ^2/NDF:0.8/3

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

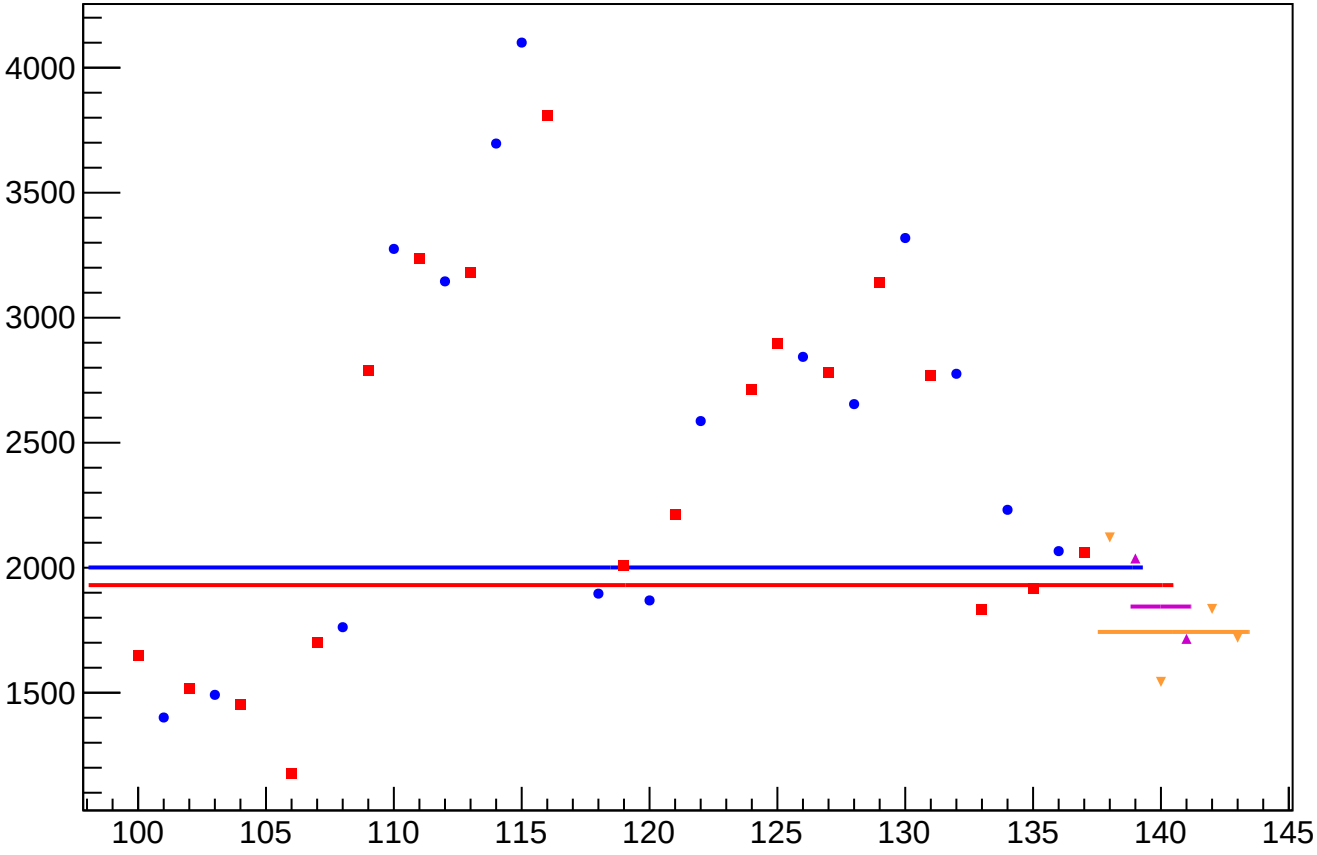
Left In: 1.082+/-1.418 χ^2/NDF:0.3/1

+ sign -0.525+/-0.624 χ^2/NDF: 17.7/19

All: 0.408+/-0.453 χ^2/NDF: 39.1/40

- sign 1.449+/-0.659 χ^2/NDF: 16.6/20

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1743.119+/-0.738 χ^2/NDF:78465.3/3

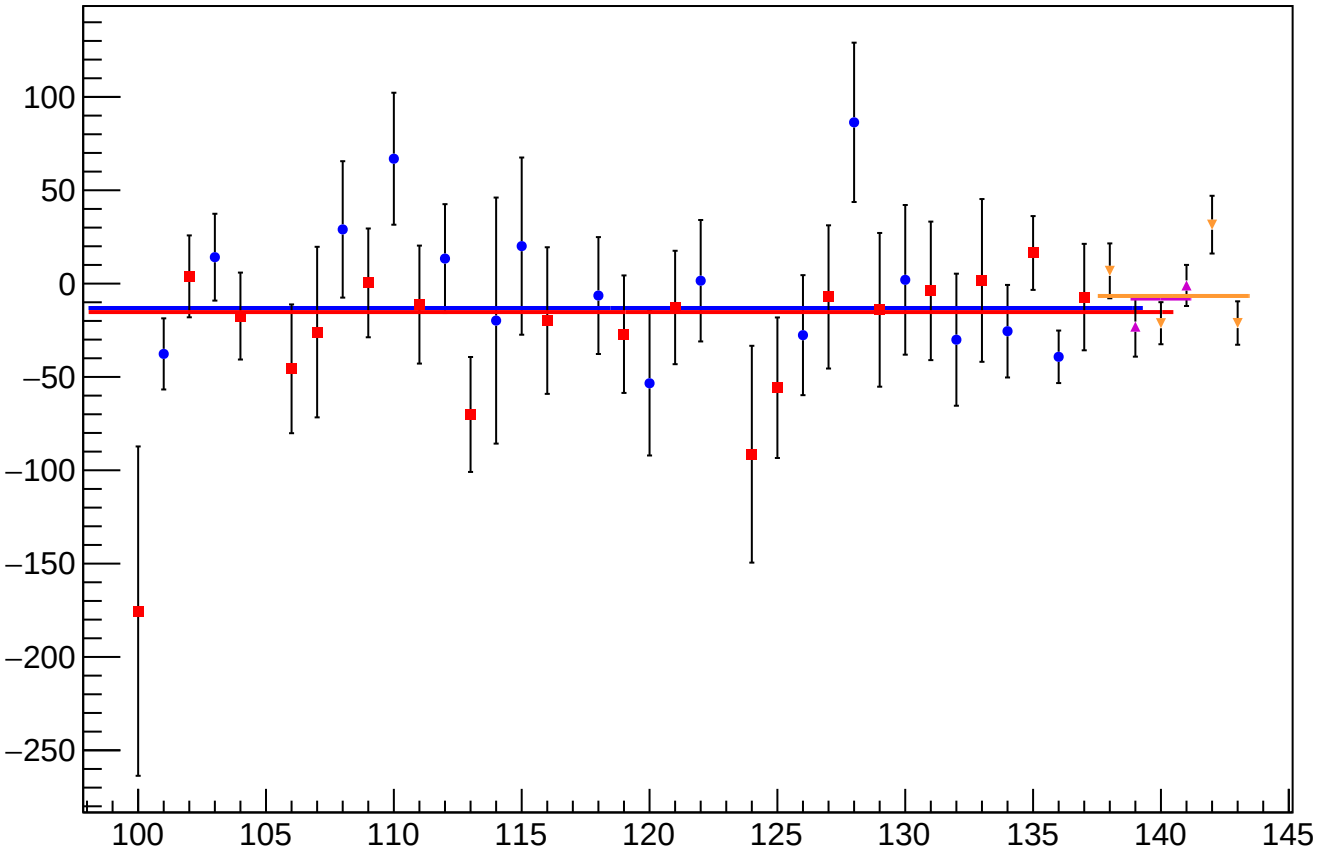
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1844.704+/-1.003 χ^2/NDF:24703.5/1

+ sign 1908.777+/-0.441 χ^2/NDF: 1346783.1/19

All: 1910.254+/-0.320 χ^2/NDF: 2780794.7/40

- sign 1911.904+/-0.466 χ^2/NDF: 1433987.9/20



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -6.623+/-6.445 χ^2/NDF:10.2/3

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

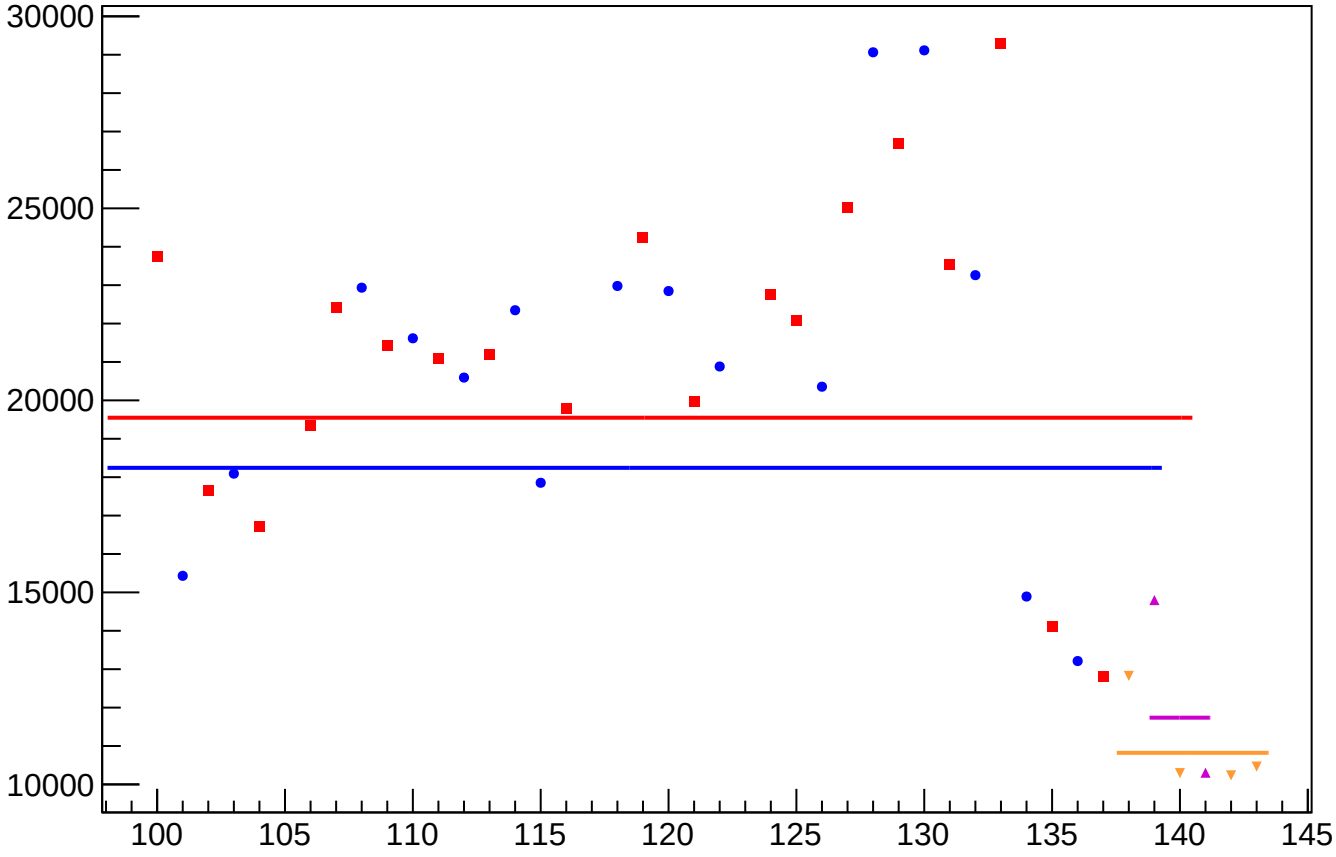
Left In: -8.017+/-9.085 χ^2/NDF:1.3/1

\+ sign -9.567+/-4.749 χ^2/NDF: 32.5/19

All: -10.730+/-3.649 χ^2/NDF: 48.6/40

\- sign -12.404+/-5.700 χ^2/NDF: 16.0/20

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 10822.705+/-4.557 χ^2/NDF:46353.8/3

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

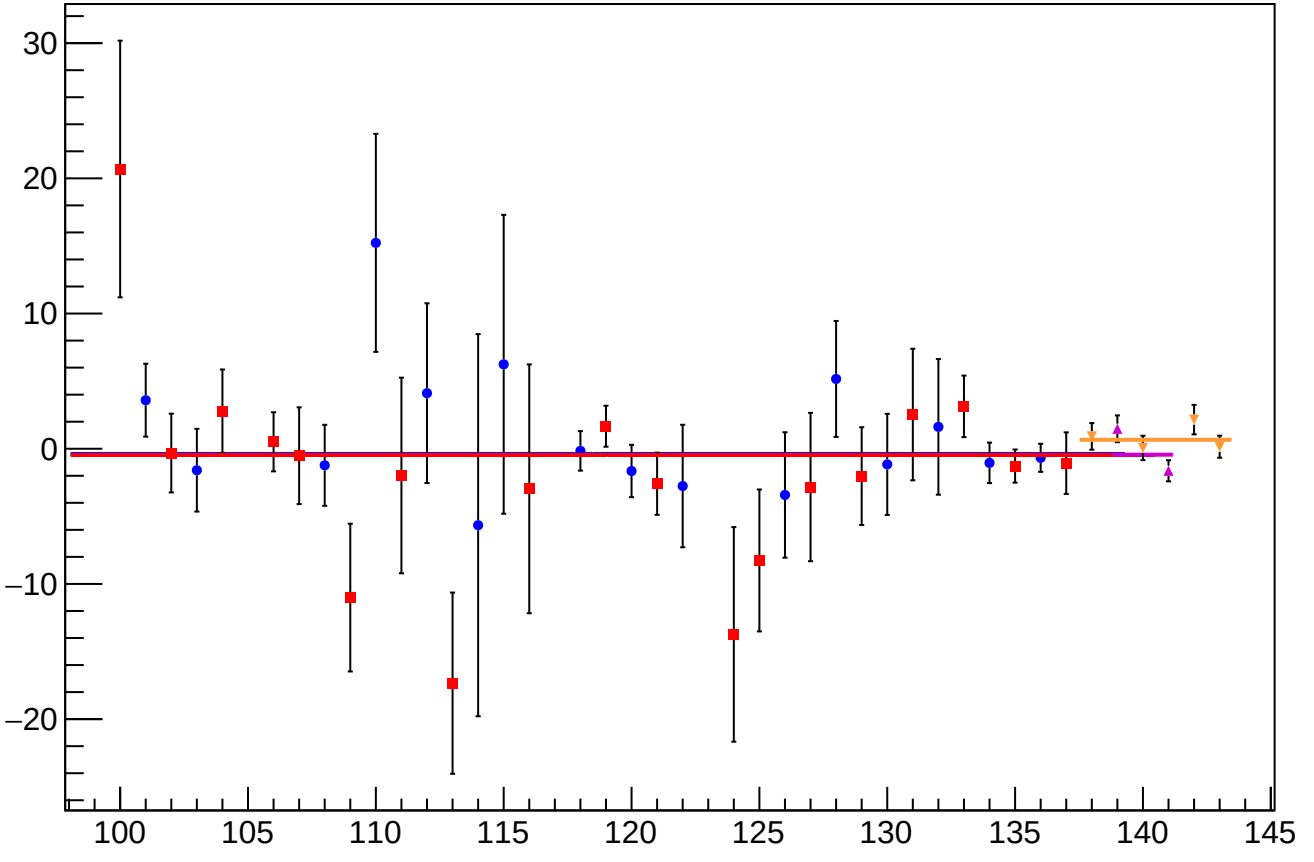
Left In: 11737.753+/-6.424 χ^2/NDF:106320.2/1

+ sign 14213.208+/-3.358 χ^2/NDF: 2077692.4/19

All: 15139.318+/-2.580 χ^2/NDF: 3887652.8/4

- sign 16473.343+/-4.031 χ^2/NDF: 1624376.4/20

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.662+/-0.466 χ^2/NDF:2.8/3

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

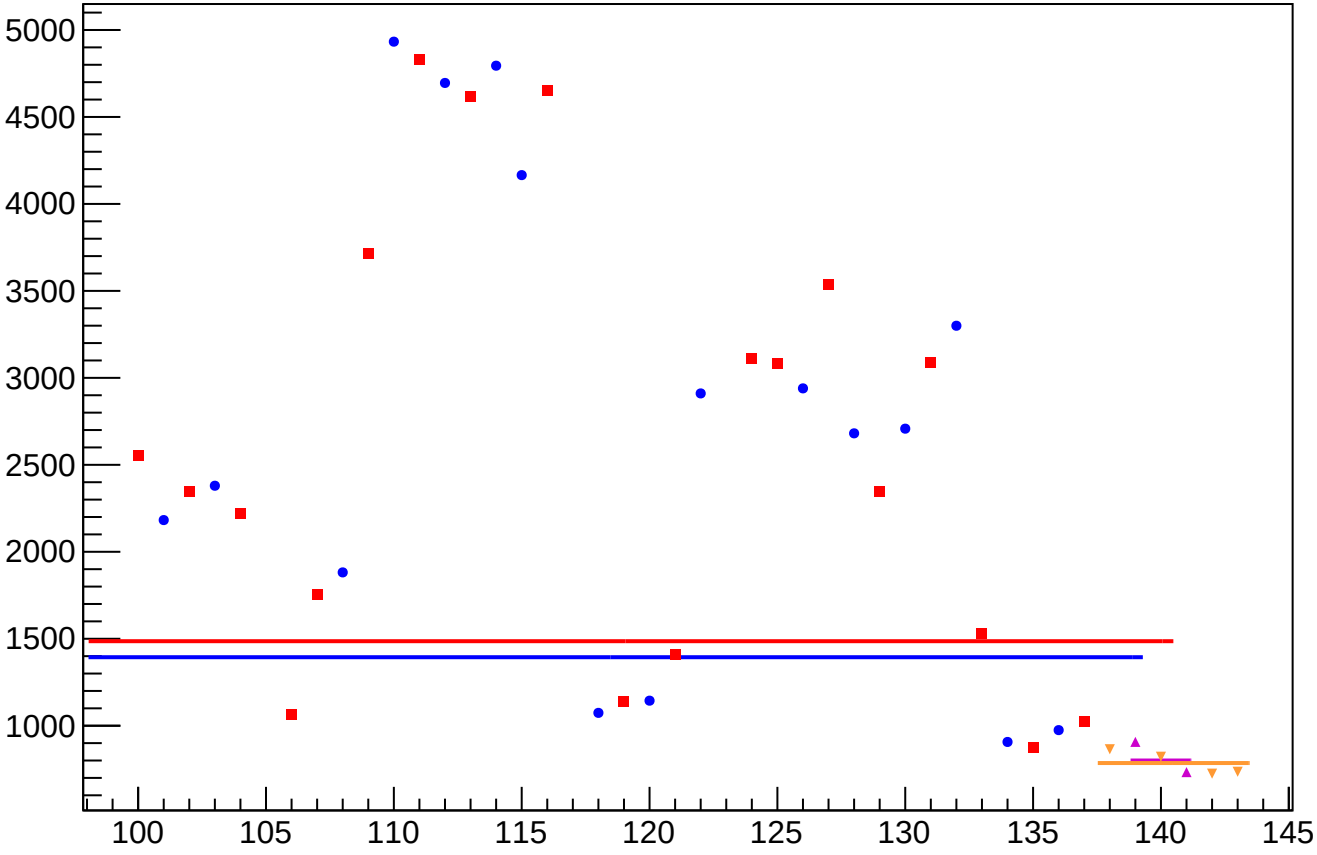
Left In: -0.440+/-0.613 χ^2/NDF:6.1/1

+ sign 0.265+/-0.368 χ^2/NDF: 15.1/19

All: -0.030+/-0.283 χ^2/NDF: 50.8/40

- sign -0.452+/-0.441 χ^2/NDF: 34.1/20

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 785.479+/-0.330 χ^2/NDF:29995.7/3

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

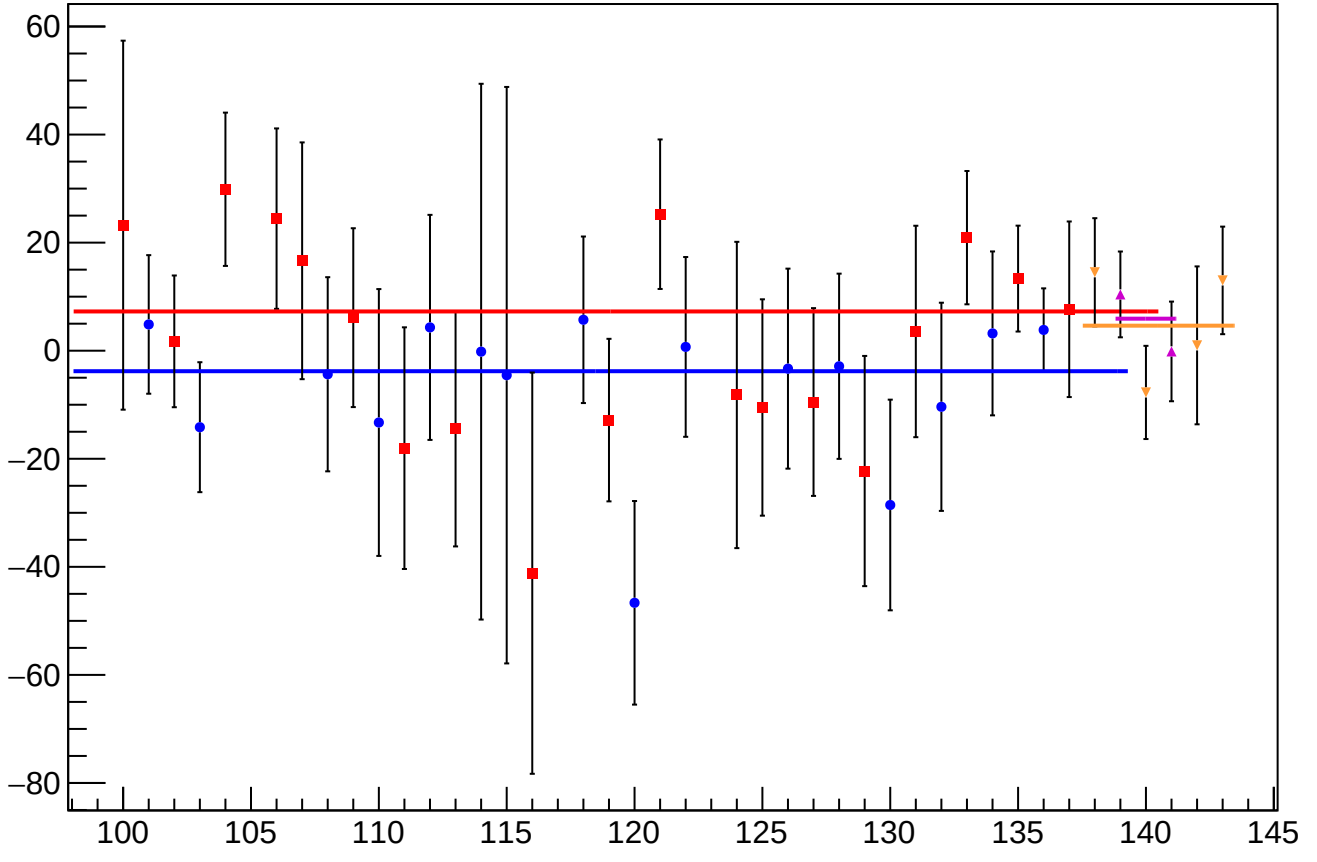
Left In: 800.004+/-0.434 χ^2/NDF:38021.0/1

+ sign 1014.351+/-0.260 χ^2/NDF: 4693420.6/19

All: 1062.551+/-0.200 χ^2/NDF: 9423524.7/40

- sign 1131.672+/-0.312 χ^2/NDF: 4646623.2/20

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 4.633+/-5.116 χ^2/NDF:3.8/3

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

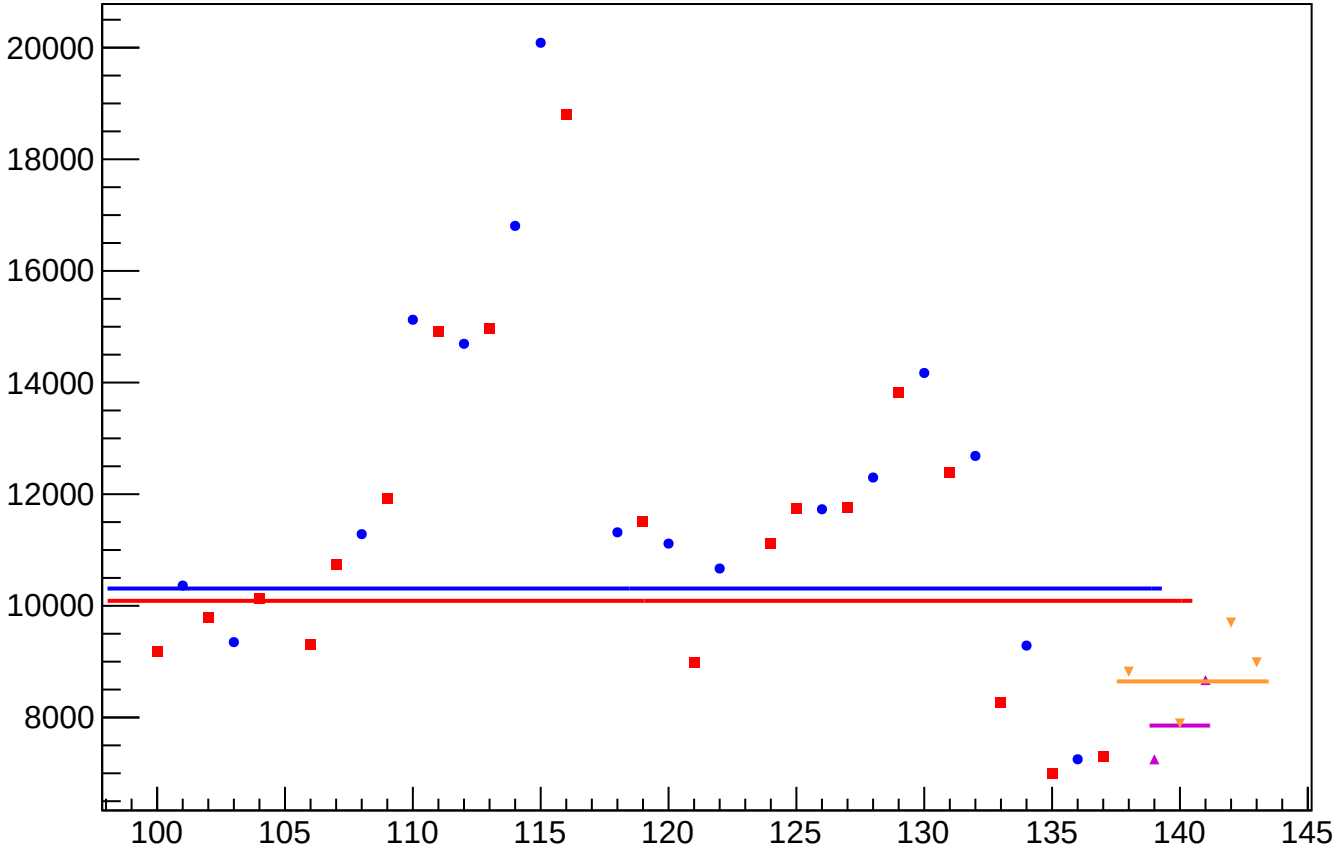
Left In: 5.926+/-6.017 χ^2/NDF:0.8/1

\+ sign -0.654+/-3.123 χ^2/NDF: 15.6/19

All: 3.002+/-2.241 χ^2/NDF: 36.4/40

\- sign 6.882+/-3.217 χ^2/NDF: 18.0/20

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 8646.248+/-3.618 χ^2/NDF:28631.6/3

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

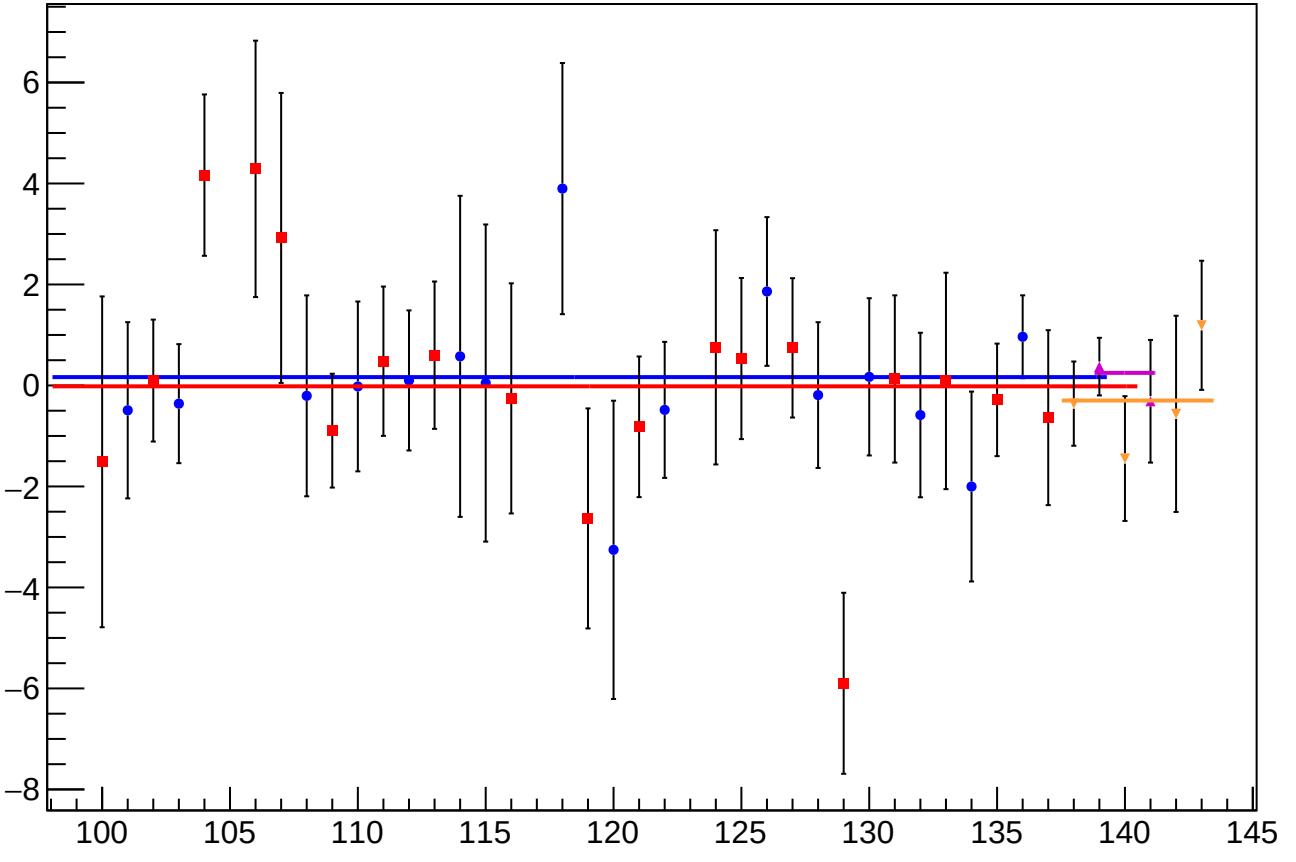
Left In: 7855.116+/-4.254 χ^2/NDF:27243.2/1

+ sign 9689.994+/-2.208 χ^2/NDF: 931831.3/19

All: 9573.914+/-1.585 χ^2/NDF: 1954544.3/40

- sign 9450.750+/-2.275 χ^2/NDF: 1017018.6/20

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.298+/-0.580 χ^2/NDF:2.2/3

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

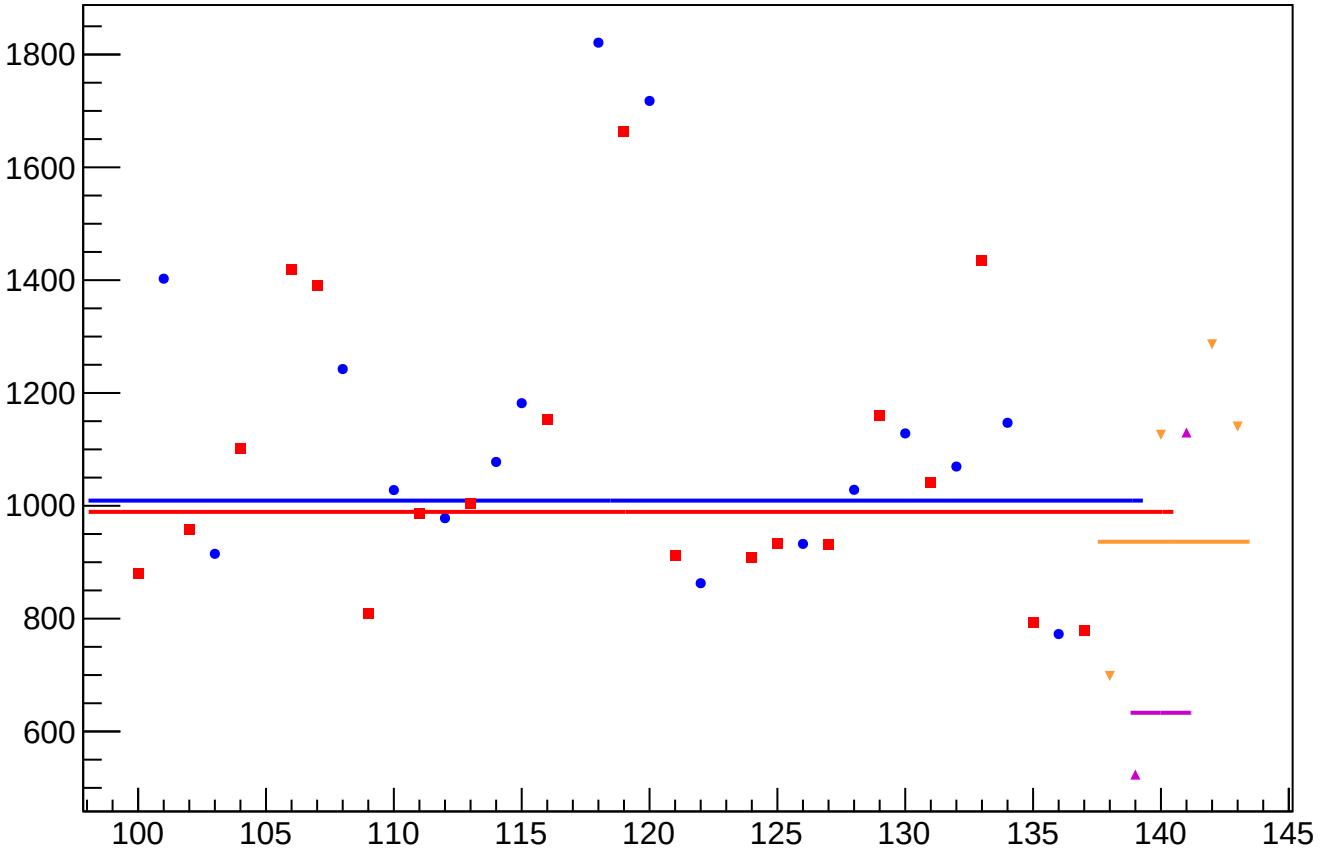
Left In: 0.249+/-0.516 χ^2/NDF:0.3/1

+ sign 0.023+/-0.322 χ^2/NDF: 10.8/19

All: 0.050+/-0.220 χ^2/NDF: 36.4/40

- sign 0.074+/-0.302 χ^2/NDF: 25.6/20

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 936.293+/-0.410 χ^2/NDF:325665.7/3

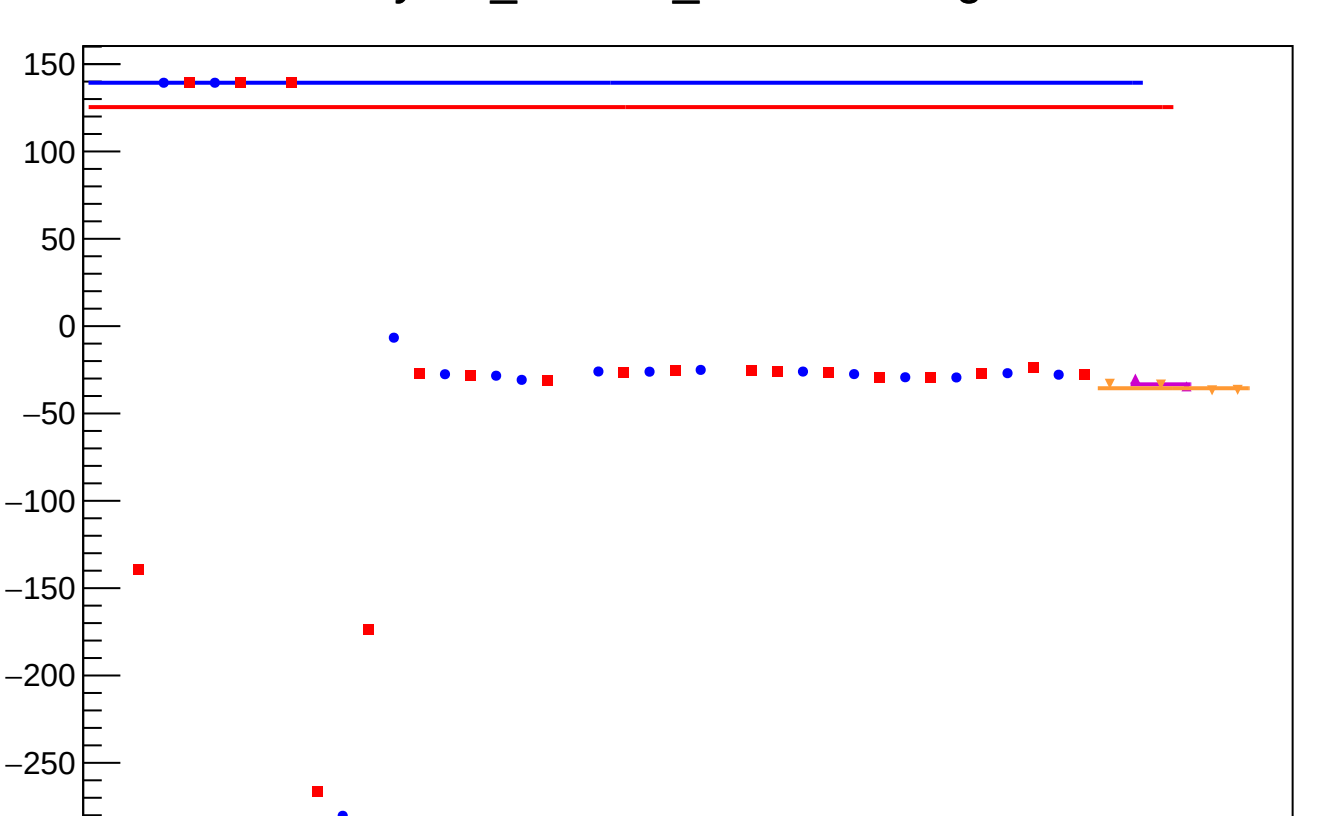
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 633.119+/-0.365 χ^2/NDF:408474.3/1

+ sign 986.830+/-0.227 χ^2/NDF: 1046854.2/19

All: 923.368+/-0.156 χ^2/NDF: 2803862.4/40

- sign 867.427+/-0.213 χ^2/NDF: 1610461.2/20



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -35.555+/-0.001 χ^2/NDF:3005671.3/3

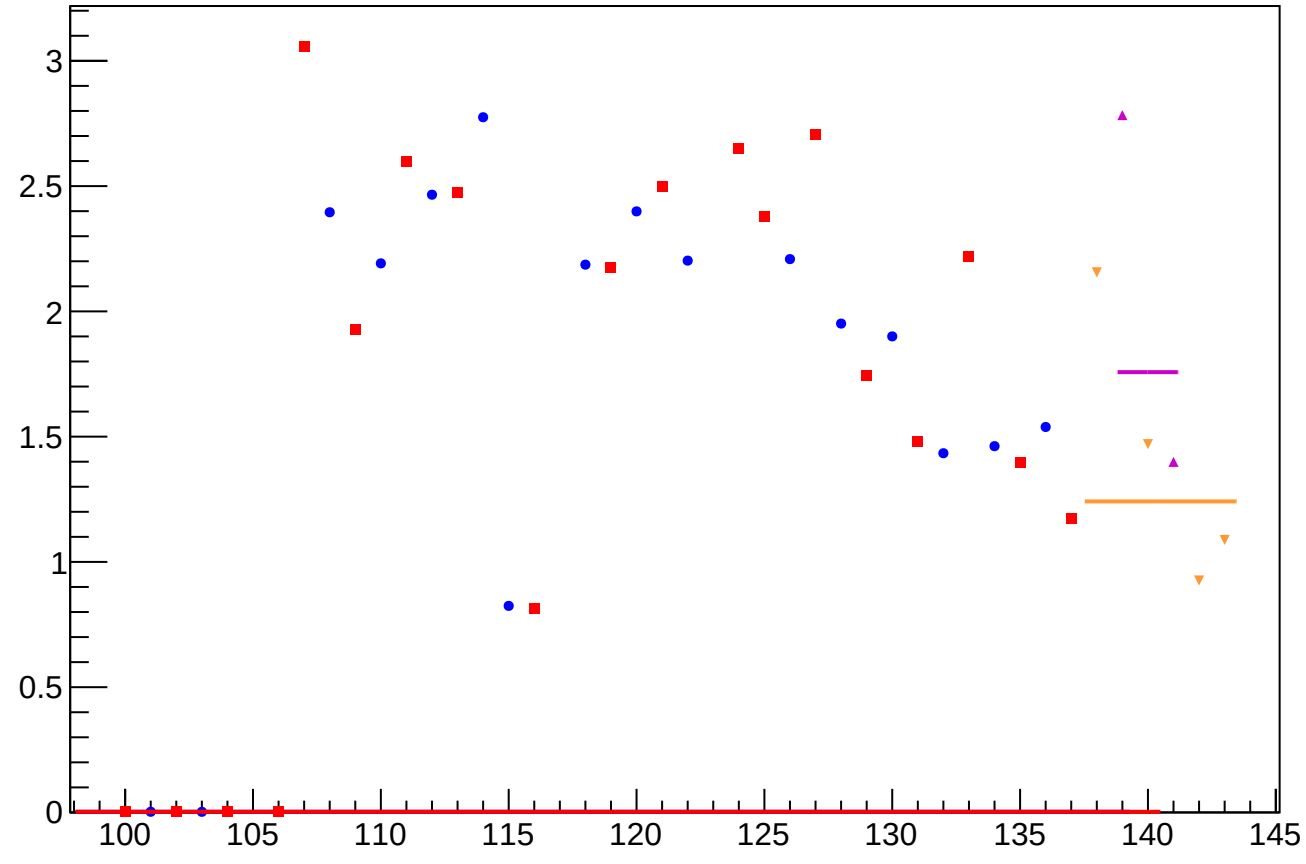
Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -33.317+/-0.002 χ^2/NDF:1553538.4/1

+ sign 139.336+/-0.000 χ^2/NDF: 85702209320.9/19

All: 131.817+/-0.000 χ^2/NDF: 79305152212

- sign 125.391+/-0.000 χ^2/NDF: 774183425319478



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.241+/-0.001 χ^2/NDF:356985.9/3

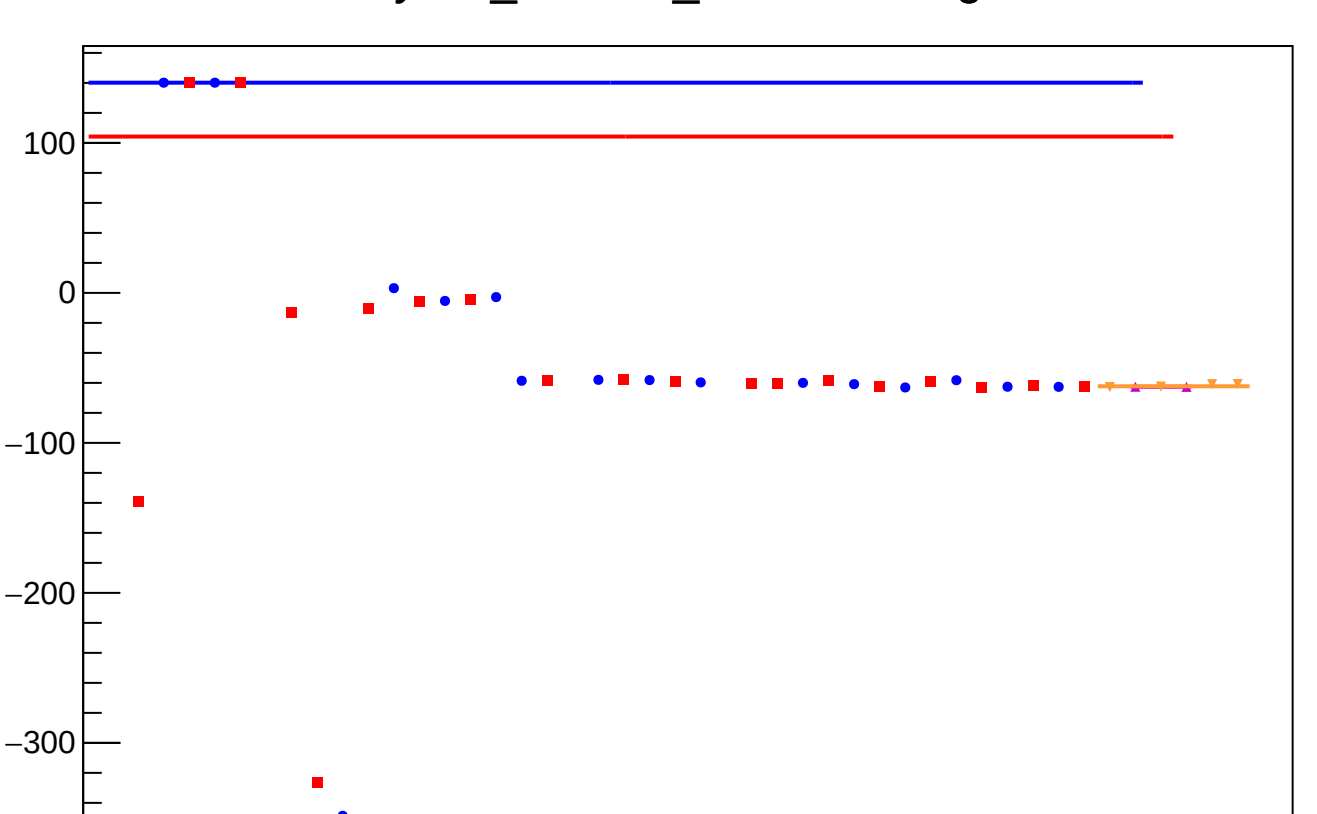
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.757+/-0.001 χ^2/NDF:300579.9/1

+ sign 0.003+/-0.000 χ^2/NDF: 13797118.8/19

All: 0.003+/-0.000 χ^2/NDF: 26351067.3/40

- sign 0.003+/-0.000 χ^2/NDF: 12553696.4/20



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -62.265+/-0.000 χ^2/NDF:2602359.4/3

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

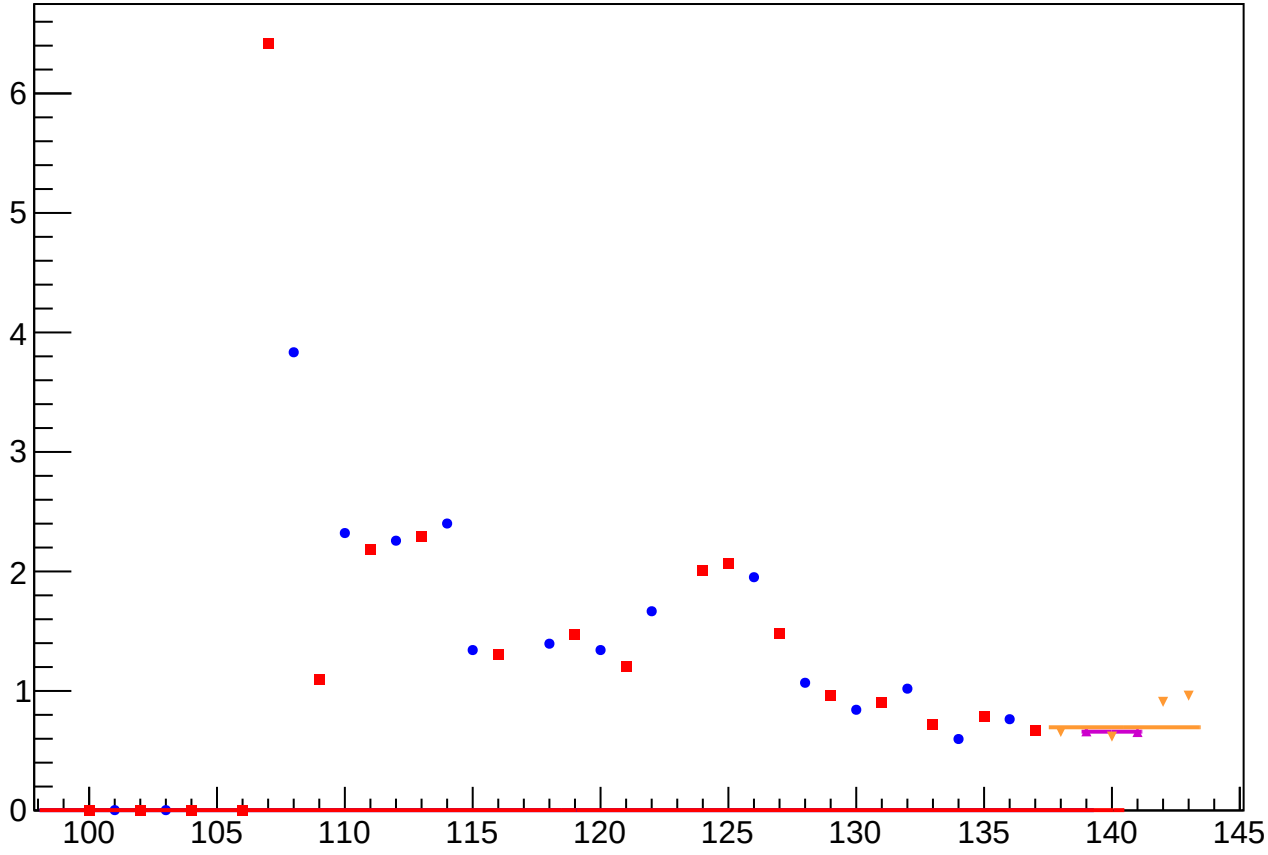
Left In: -62.601+/-0.001 χ^2/NDF:9656.7/1

+ sign 140.138+/-0.000 χ^2/NDF: 382815047995.2/1

All: 120.827+/-0.000 χ^2/NDF: 13811847116

- sign 104.221+/-0.000 χ^2/NDF: 125750870649862

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.696+/-0.000 χ^2/NDF:145521.1/3

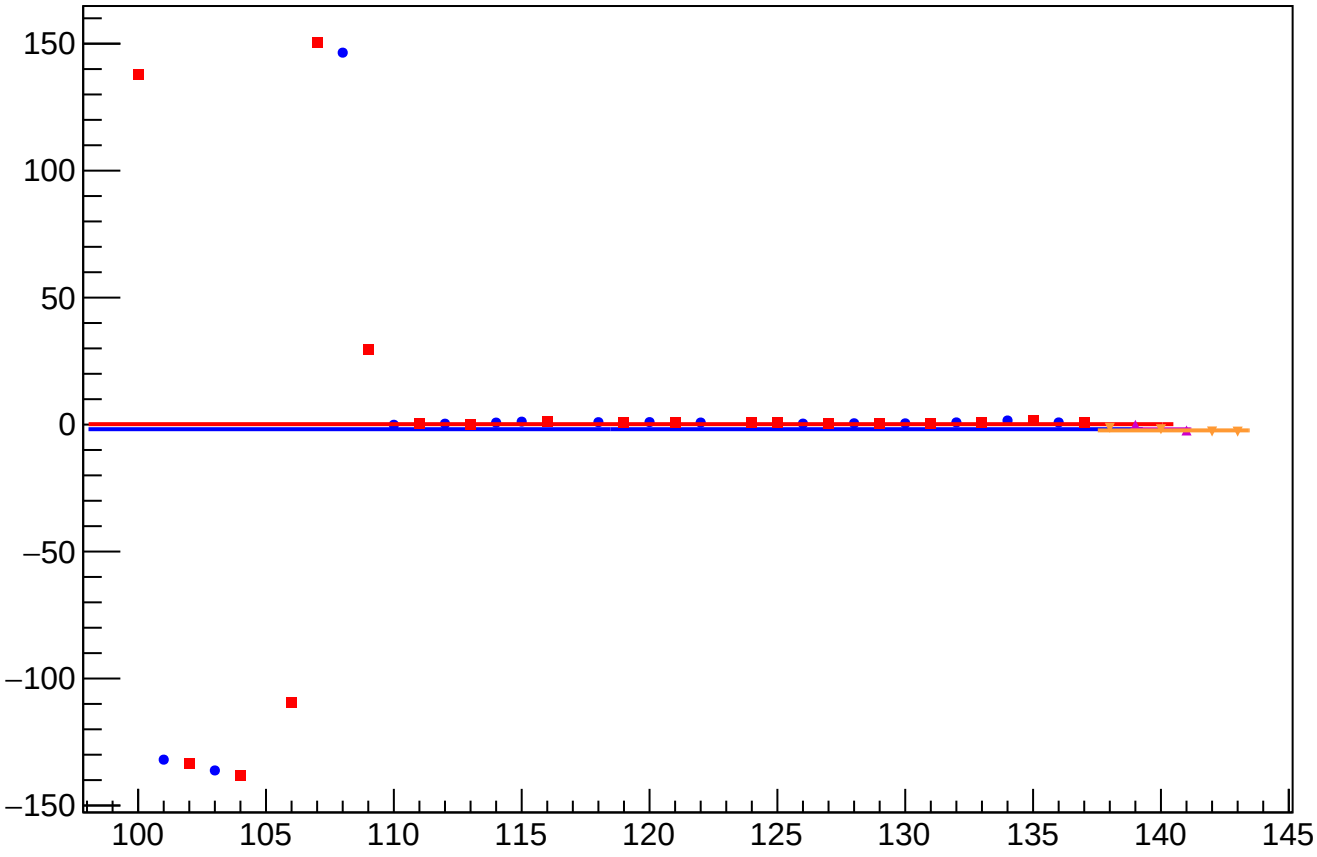
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.659+/-0.000 χ^2/NDF:66.4/1

+ sign 0.003+/-0.000 χ^2/NDF: 15308075.4/19

All: 0.003+/-0.000 χ^2/NDF: 28885759.1/40

- sign 0.003+/-0.000 χ^2/NDF: 13577388.6/20



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -2.284+/-0.000 χ^2/NDF:2604918.4/3

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

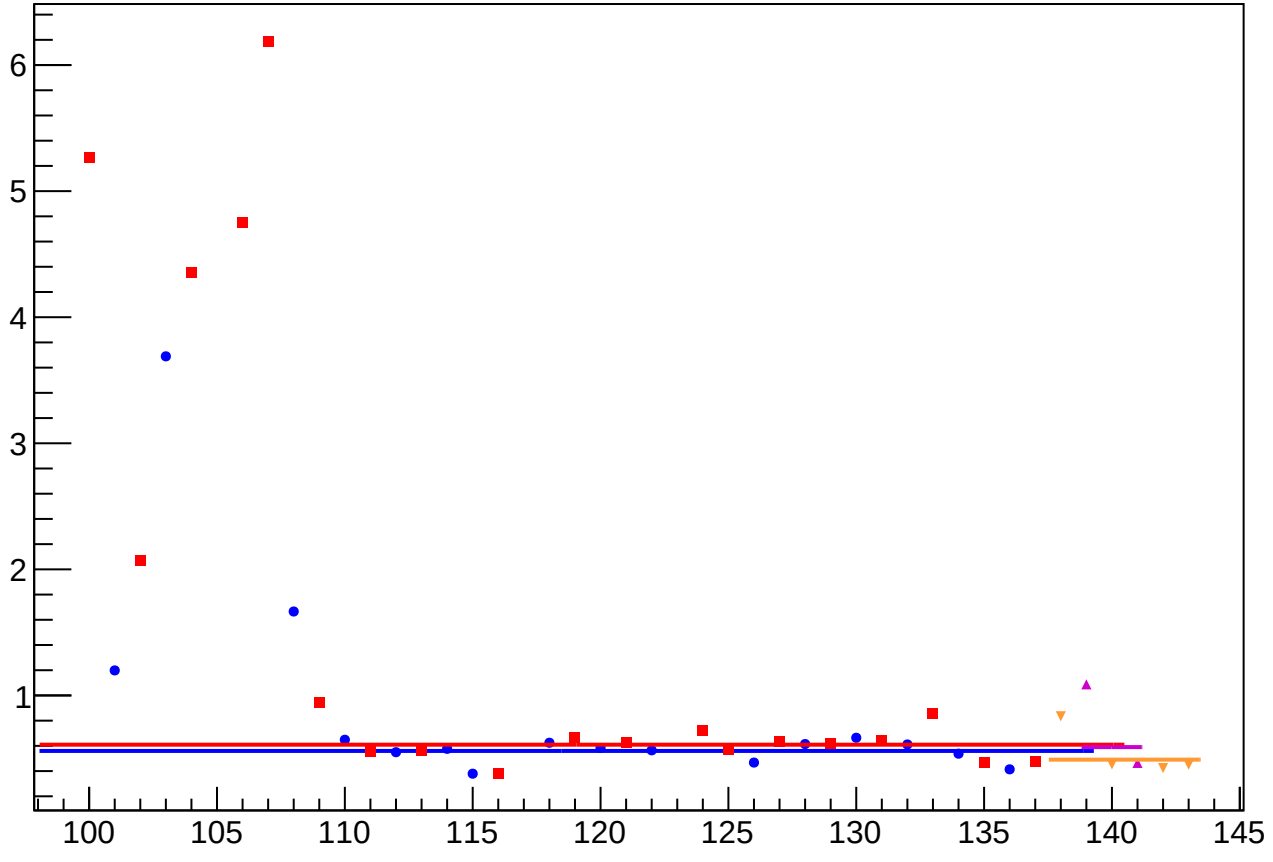
Left In: -1.859+/-0.001 χ^2/NDF:2782979.1/1

+ sign -1.975+/-0.000 χ^2/NDF: 9890966866.9/19

All: -1.272+/-0.000 χ^2/NDF: 13545892740.3/

- sign -0.257+/-0.000 χ^2/NDF: 3625454429.4/20

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.491+/-0.000 χ^2/NDF:258291.8/3

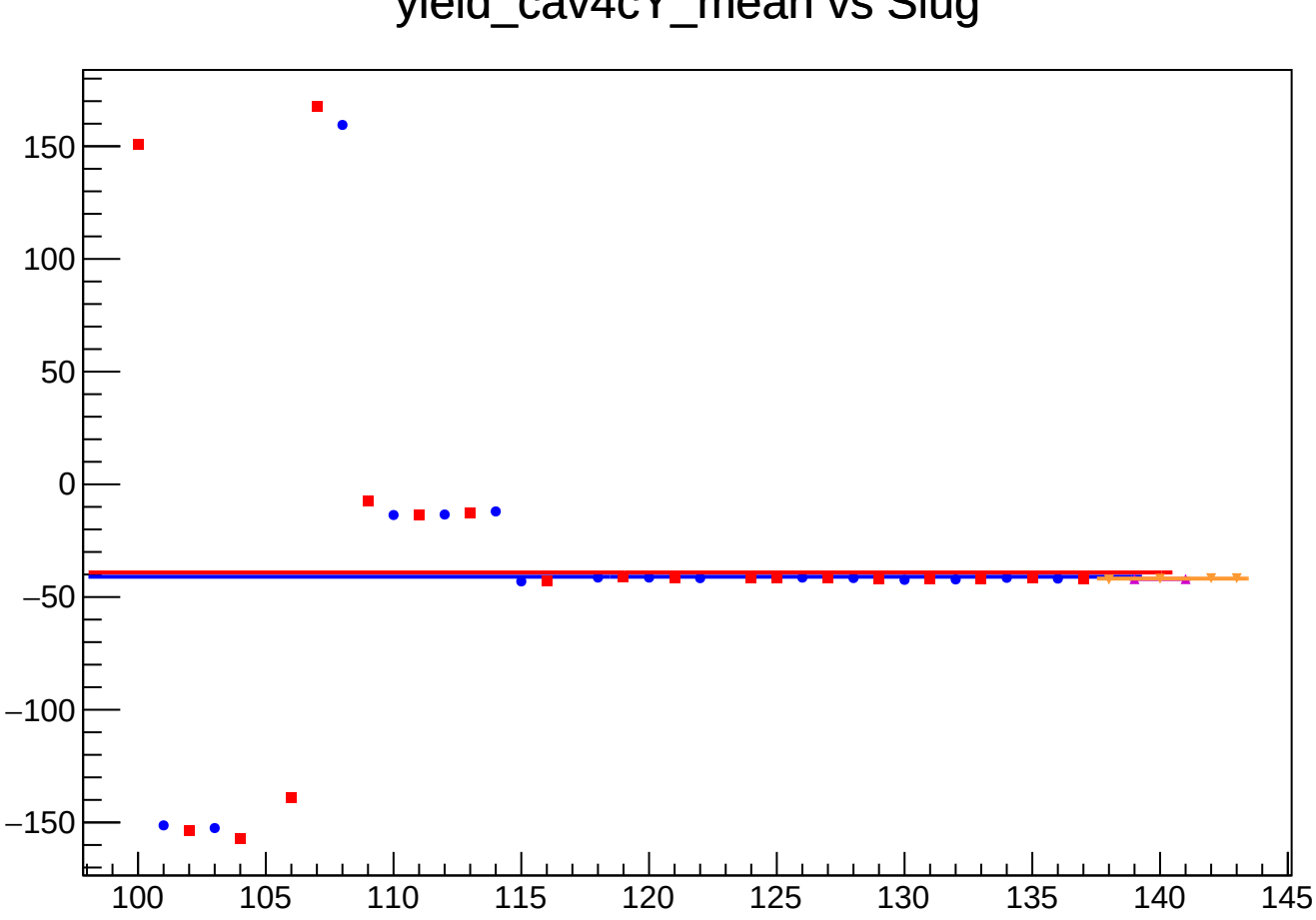
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.590+/-0.000 χ^2/NDF:440322.9/1

+ sign 0.536+/-0.000 χ^2/NDF: 1908857.3/19

All: 0.565+/-0.000 χ^2/NDF: 4922053.4/40

- sign 0.605+/-0.000 χ^2/NDF: 2918356.7/20



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.809+/-0.000 χ^2/NDF:896567.8/3

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

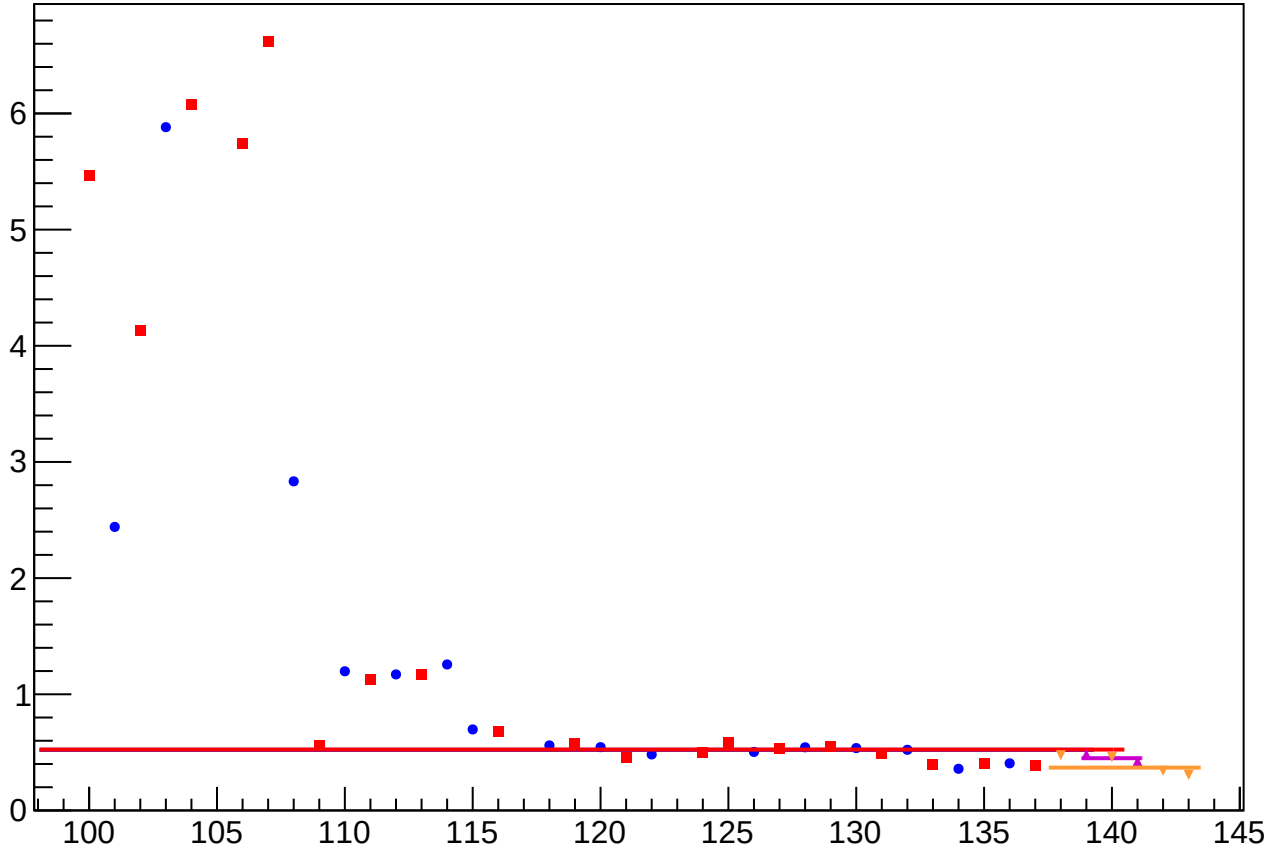
Left In: -42.017+/-0.000 χ^2/NDF:349.2/1

+ sign -41.398+/-0.000 χ^2/NDF: 3456749120.5/19

All: -40.810+/-0.000 χ^2/NDF: 6012665506.7/

- sign -39.953+/-0.000 χ^2/NDF: 2524618143.9/20

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.369+/-0.000 χ^2/NDF:195658.8/3

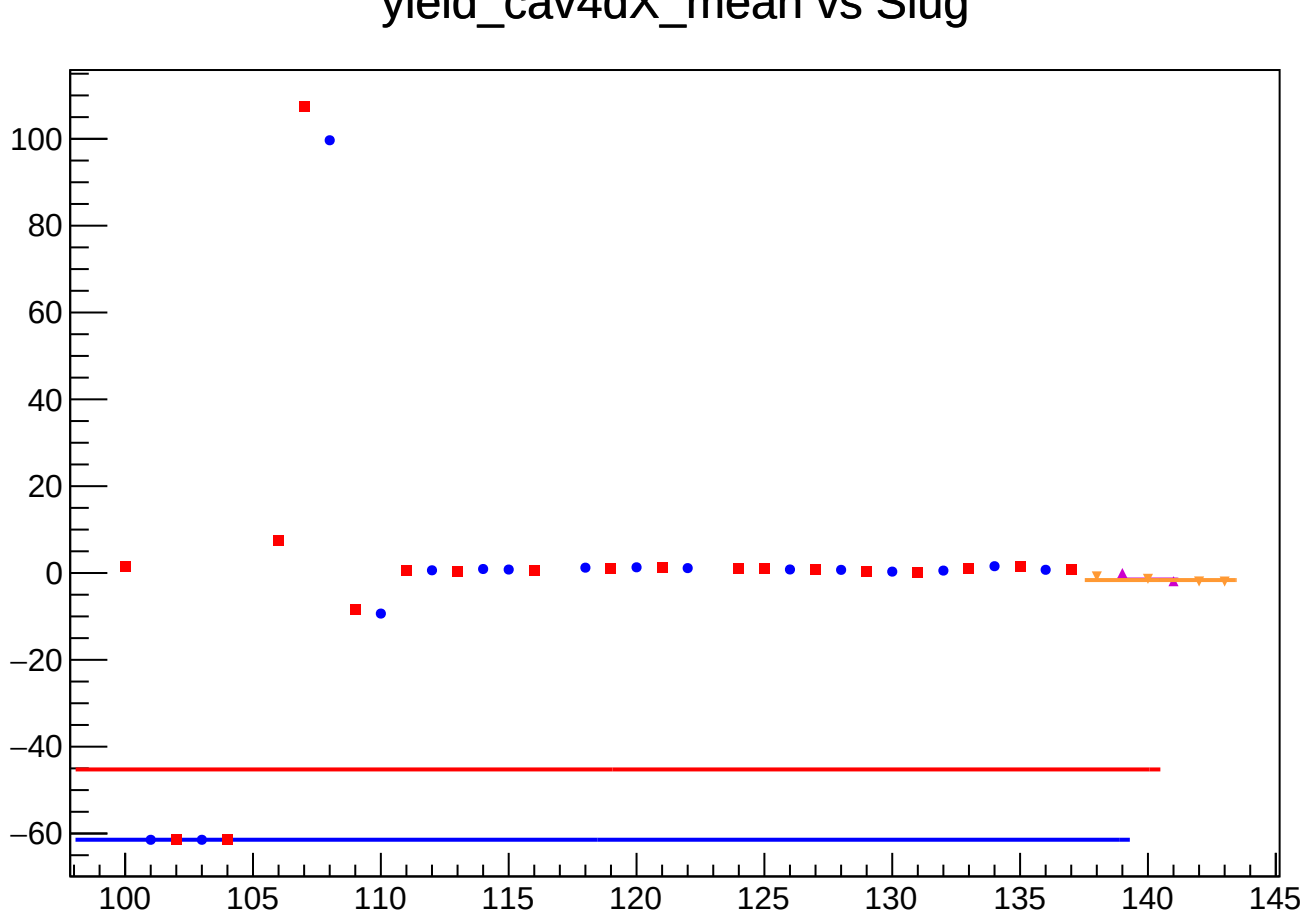
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.450+/-0.000 χ^2/NDF:13495.8/1

+ sign 0.446+/-0.000 χ^2/NDF: 3577591.3/19

All: 0.469+/-0.000 χ^2/NDF: 7009828.2/40

- sign 0.502+/-0.000 χ^2/NDF: 3335422.7/20



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.626+/-0.000 χ^2/NDF:1969582.3/3

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

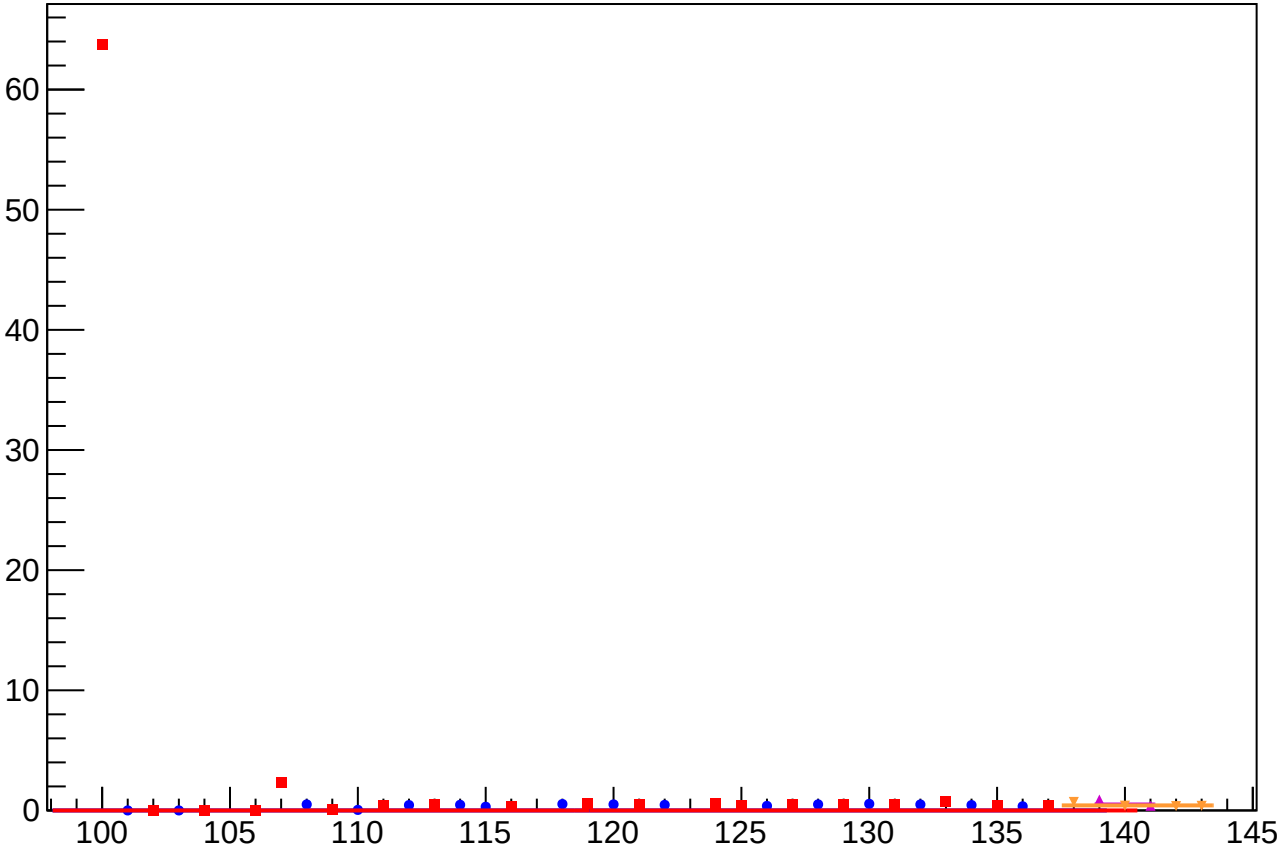
Left In: -1.502+/-0.000 χ^2/NDF:2891561.6/1

+ sign -61.434+/-0.000 χ^2/NDF: 314142993508.8/1

All: -52.748+/-0.000 χ^2/NDF: 409164838014

- sign -45.245+/-0.000 χ^2/NDF: 357879962418144.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.421+/-0.000 χ^2/NDF:254819.5/3

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

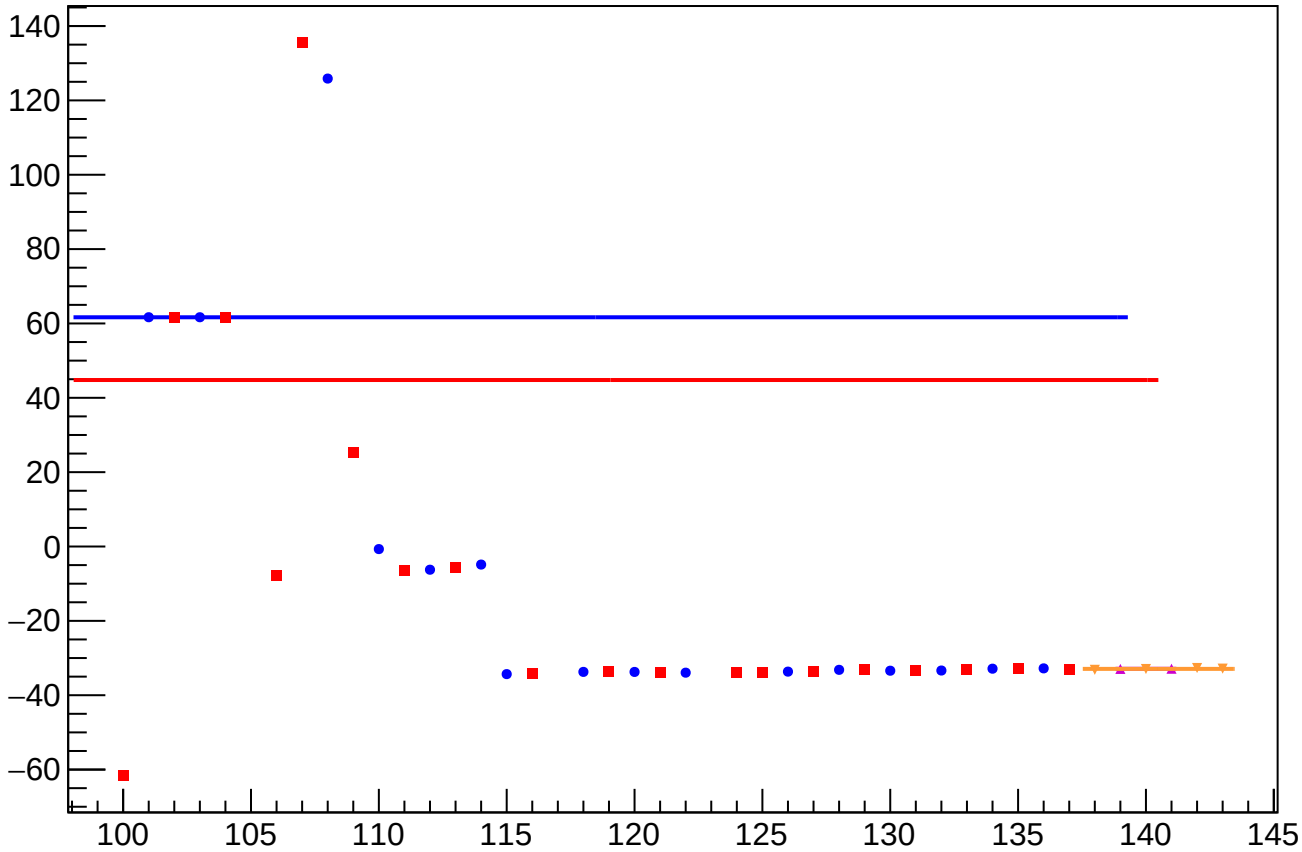
Left In: 0.495+/-0.000 χ^2/NDF:432233.1/1

+ sign 0.001+/-0.000 χ^2/NDF: 13408629.2/19

All: 0.001+/-0.000 χ^2/NDF: 25640409.6/40

- sign 0.001+/-0.000 χ^2/NDF: 12231744.5/20

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.916+/-0.000 χ^2/NDF:746967.5/3

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

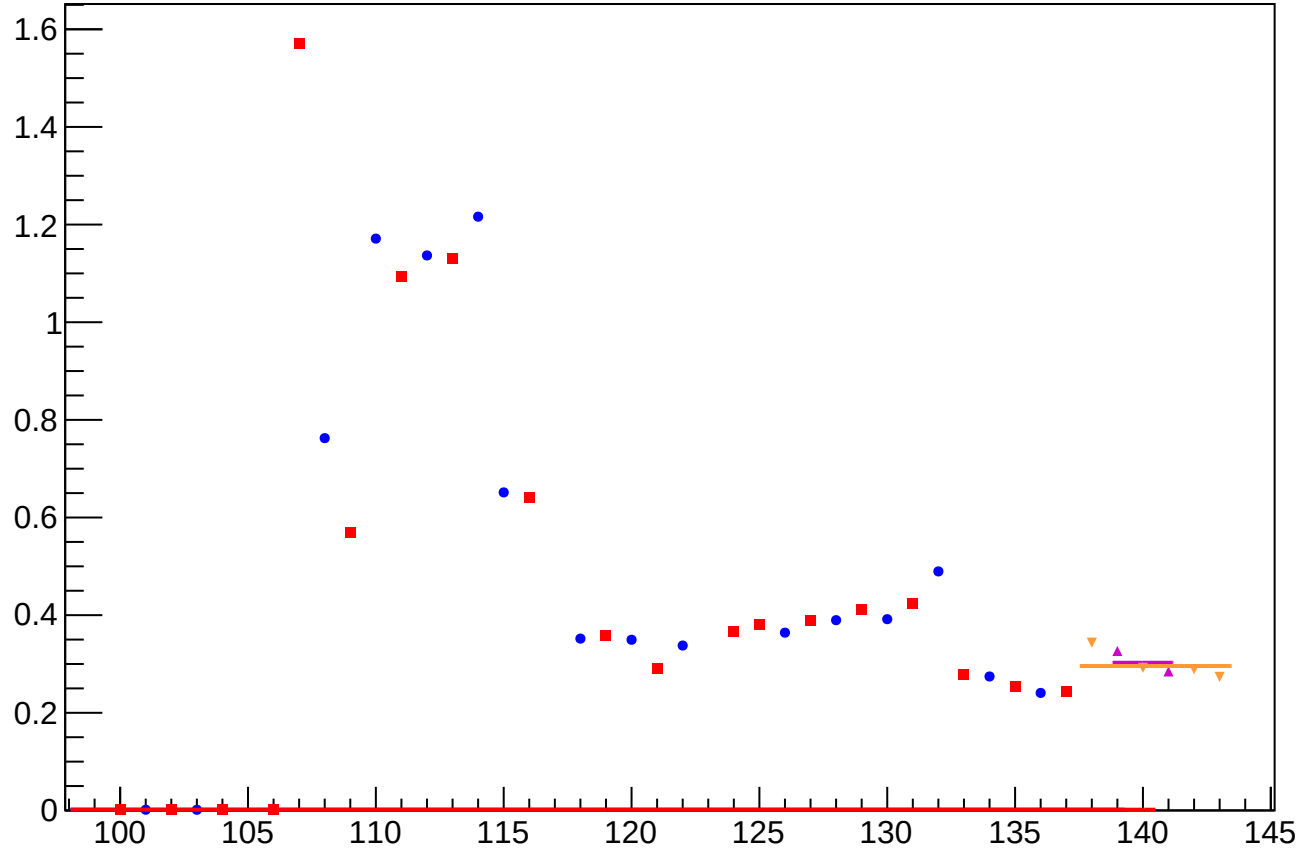
Left In: -32.891+/-0.000 χ^2/NDF:11084.3/1

+ sign 61.653+/-0.000 χ^2/NDF: 646727762178.4/19

All: 52.683+/-0.000 χ^2/NDF: 417927263997

- sign 44.782+/-0.000 χ^2/NDF: 366203550630877.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.296+/-0.000 χ^2/NDF:39673.3/3

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

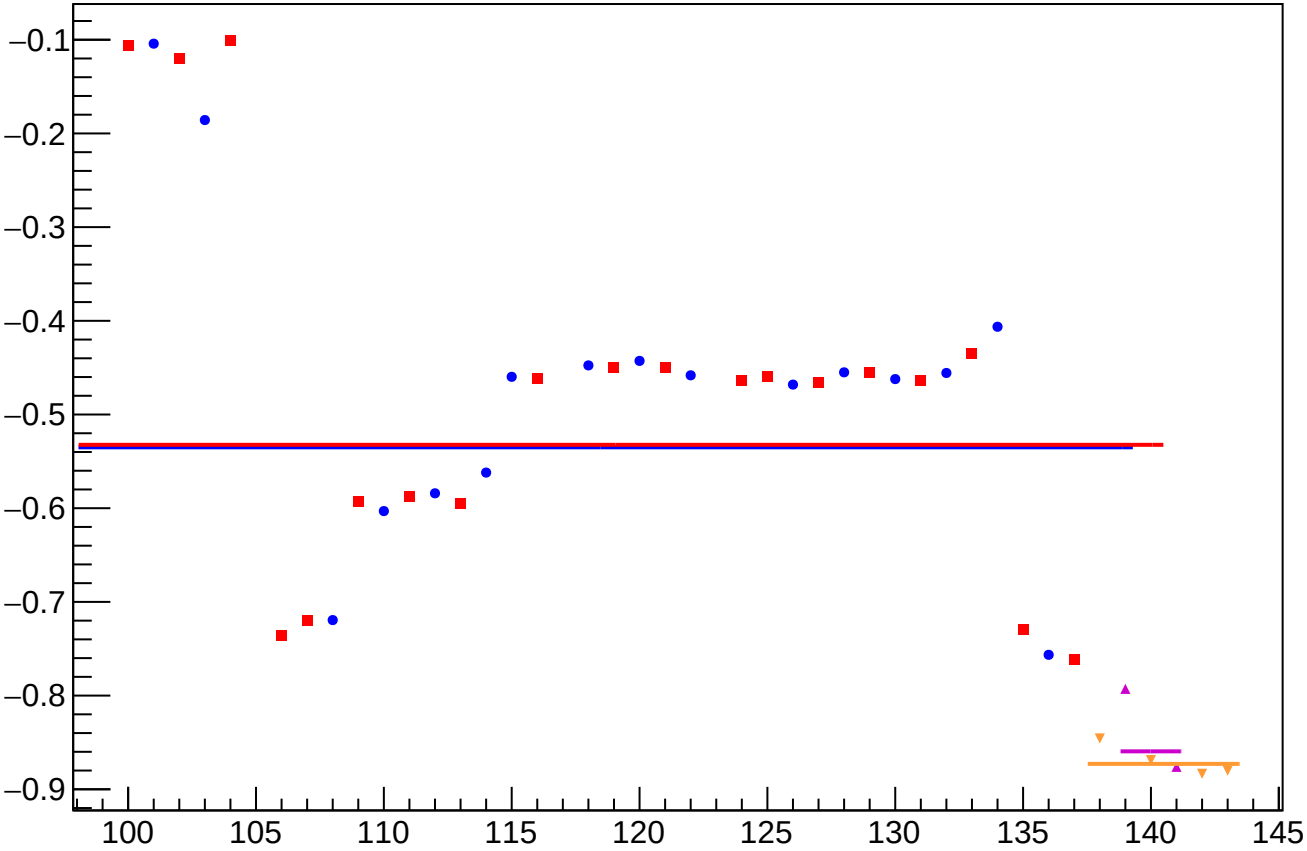
Left In: 0.303+/-0.000 χ^2/NDF:15401.5/1

+ sign 0.002+/-0.000 χ^2/NDF: 16433881.2/19

All: 0.002+/-0.000 χ^2/NDF: 30275060.2/40

- sign 0.002+/-0.000 χ^2/NDF: 13841166.0/20

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.873+/-0.000 χ^2/NDF:835799.2/3

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

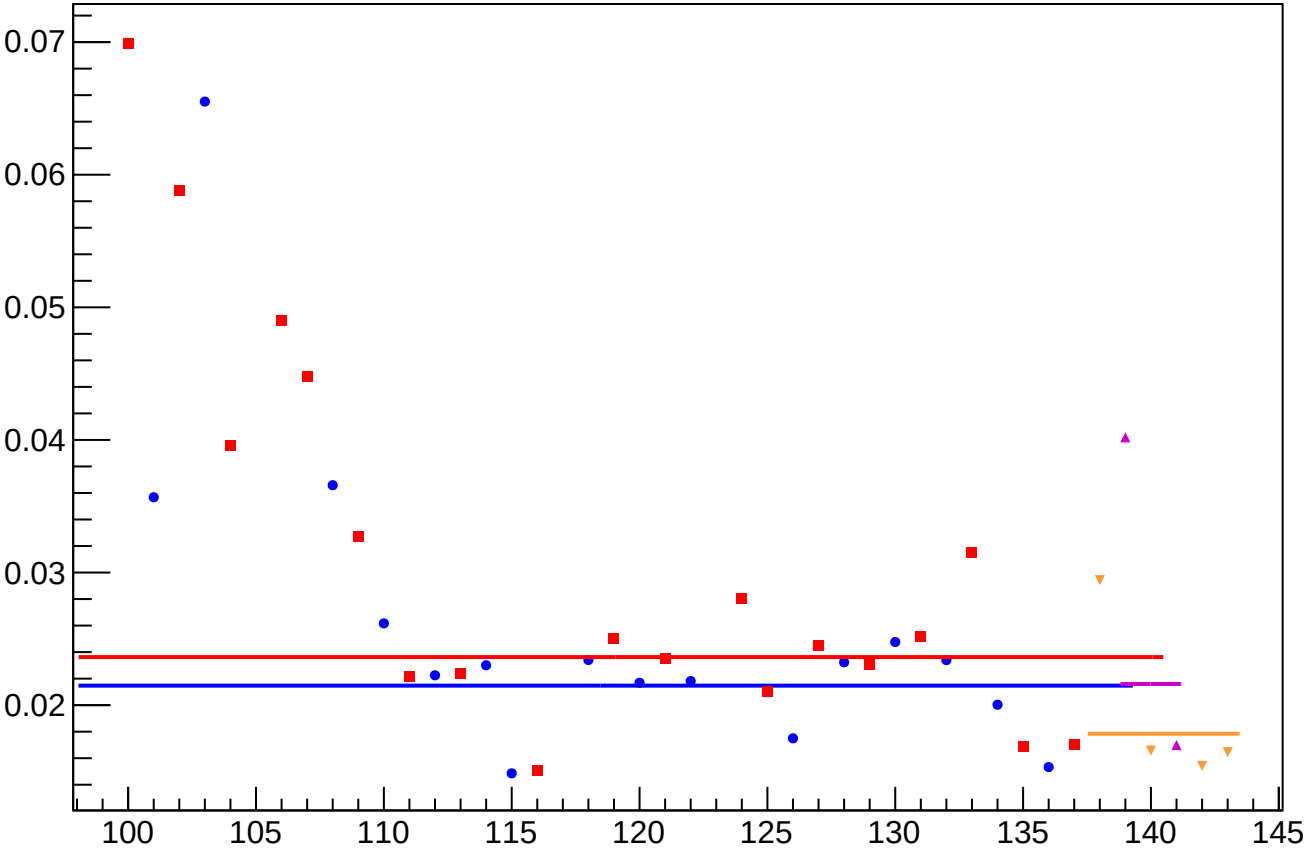
Left In: -0.860+/-0.000 χ^2/NDF:2889585.6/1

+ sign -0.653+/-0.000 χ^2/NDF: 763635459.6/19

All: -0.631+/-0.000 χ^2/NDF: 1223112711.1/4

- sign -0.600+/-0.000 χ^2/NDF: 439304659.5/20

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:230196.0/3

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

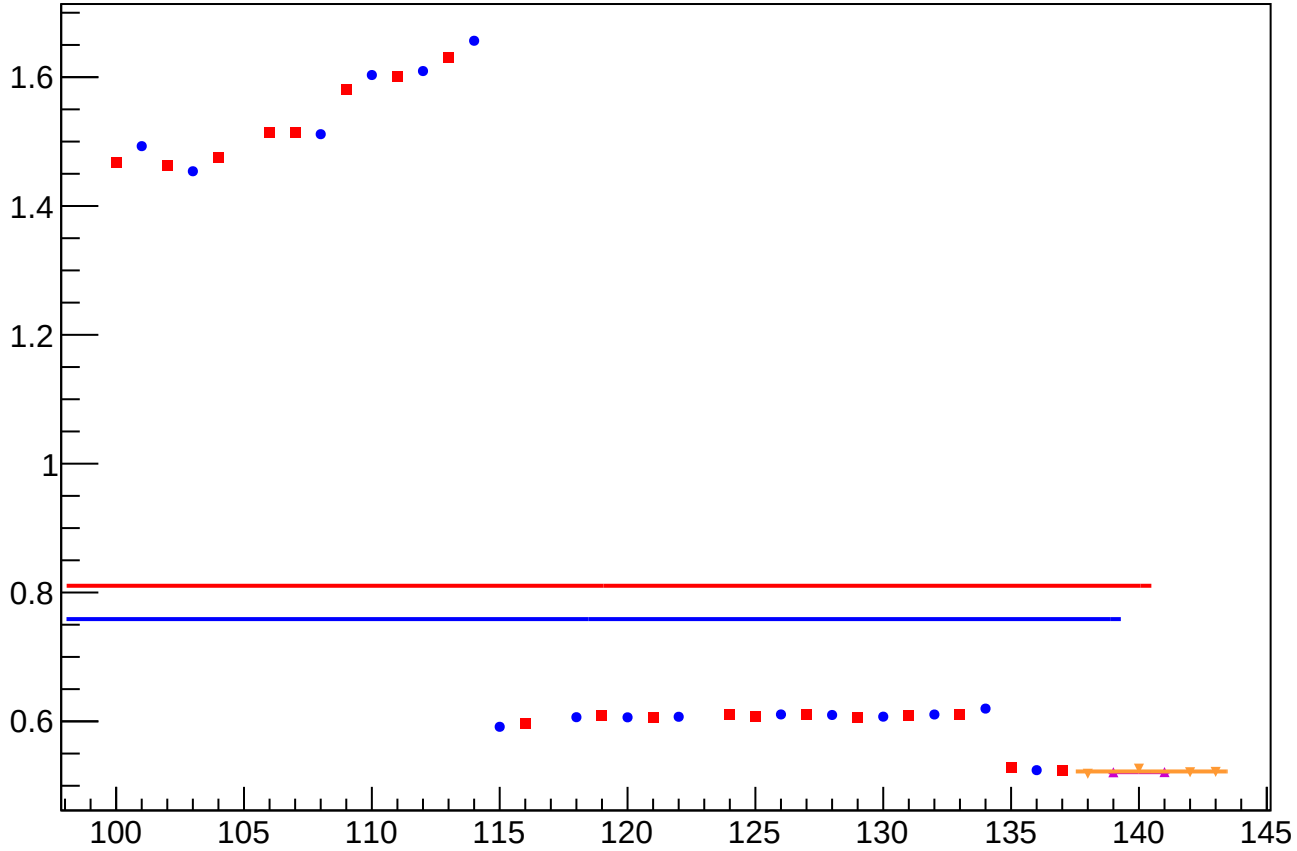
Left In: 0.022+/-0.000 χ^2/NDF:449402.2/1

+ sign 0.020+/-0.000 χ^2/NDF: 1490694.1/19

All: 0.021+/-0.000 χ^2/NDF: 3366979.2/40

- sign 0.023+/-0.000 χ^2/NDF: 1743710.3/20

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.522+/-0.000 χ^2/NDF:195549.2/3

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

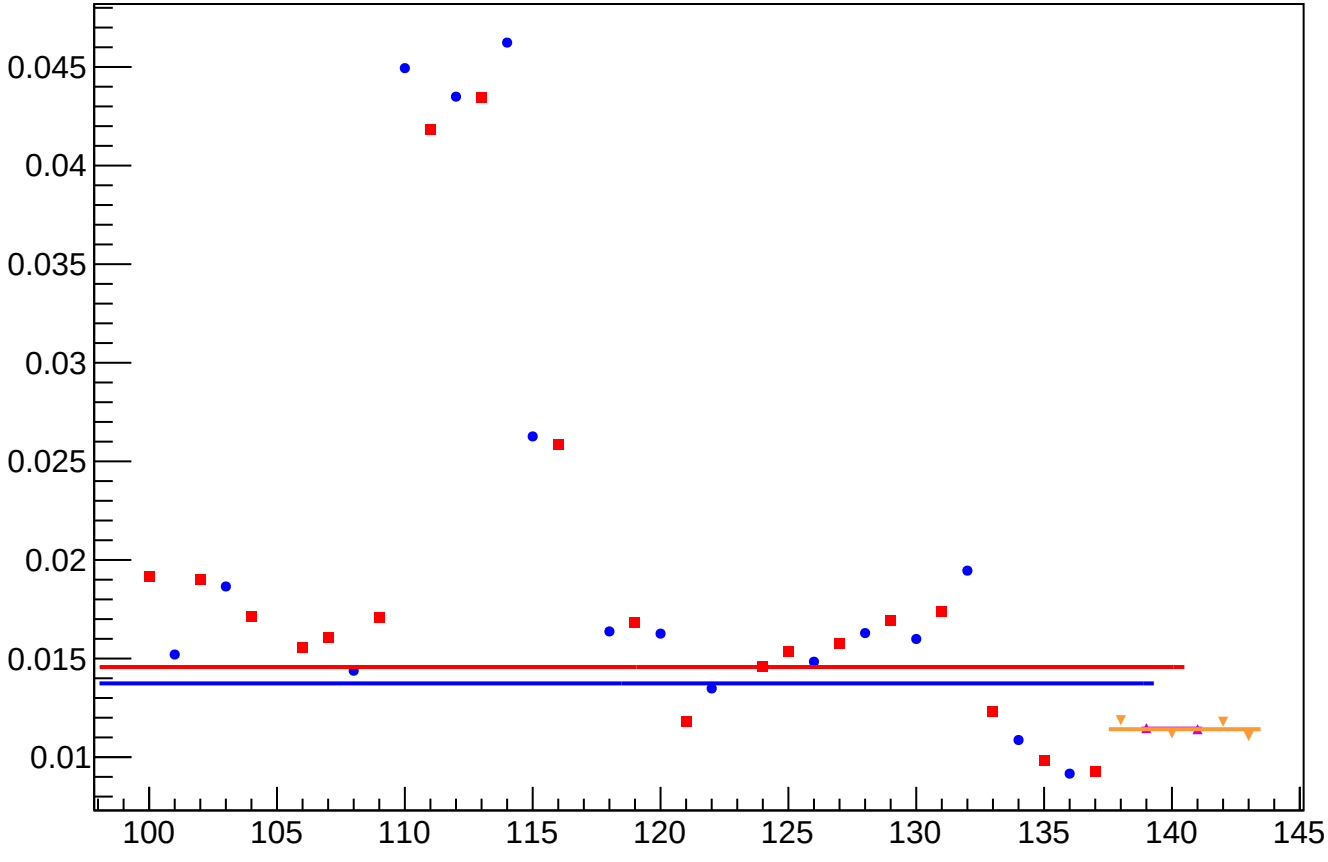
Left In: 0.521+/-0.000 χ^2/NDF:208.1/1

+ sign 0.664+/-0.000 χ^2/NDF: 5012374990.1/19

All: 0.690+/-0.000 χ^2/NDF: 10608137490.5/4

- sign 0.723+/-0.000 χ^2/NDF: 5514009990.3/20

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:5233.7/3

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

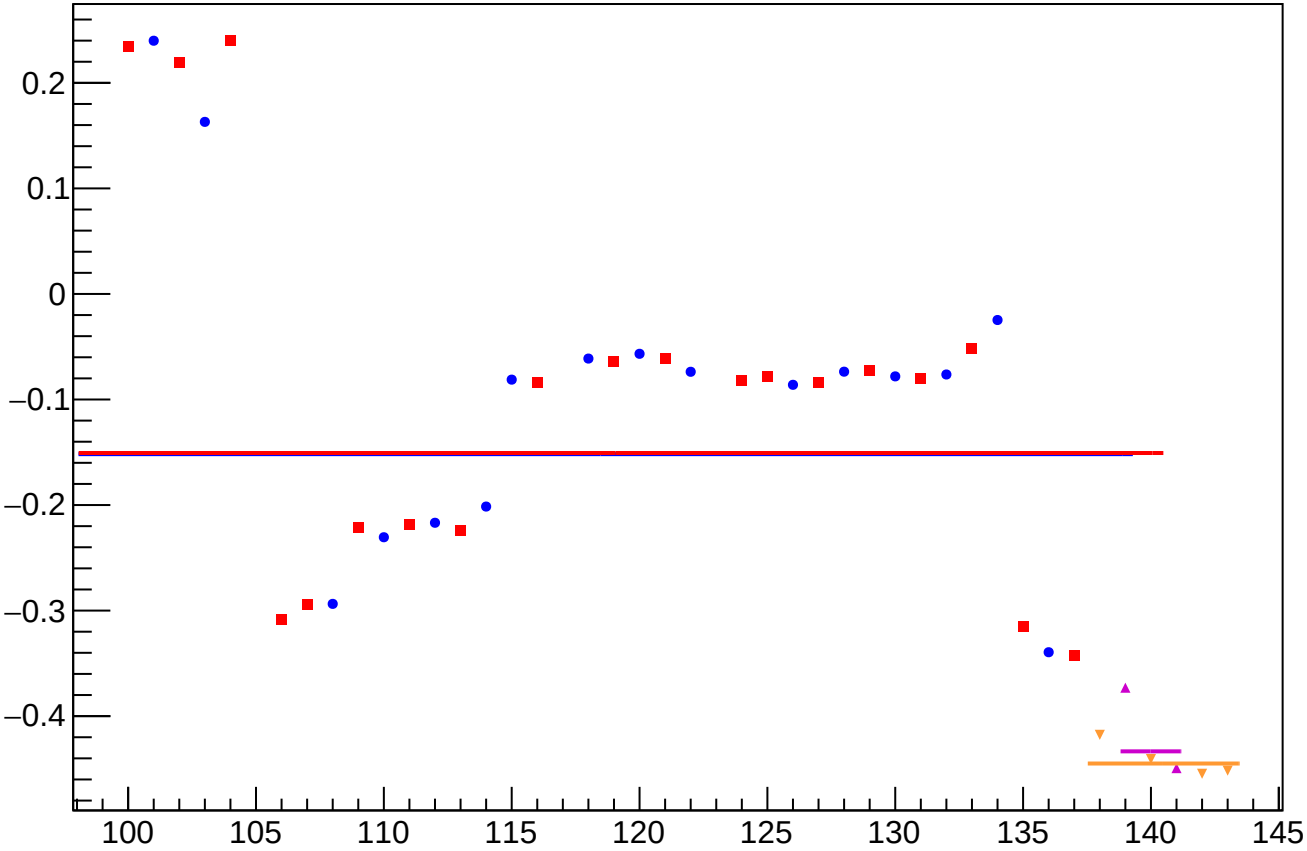
Left In: 0.011+/-0.000 χ^2/NDF:22.0/1

+ sign 0.013+/-0.000 χ^2/NDF: 1791711.8/19

All: 0.013+/-0.000 χ^2/NDF: 3451774.3/40

- sign 0.014+/-0.000 χ^2/NDF: 1628756.8/20

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.445+/-0.000 χ^2/NDF:887799.2/3

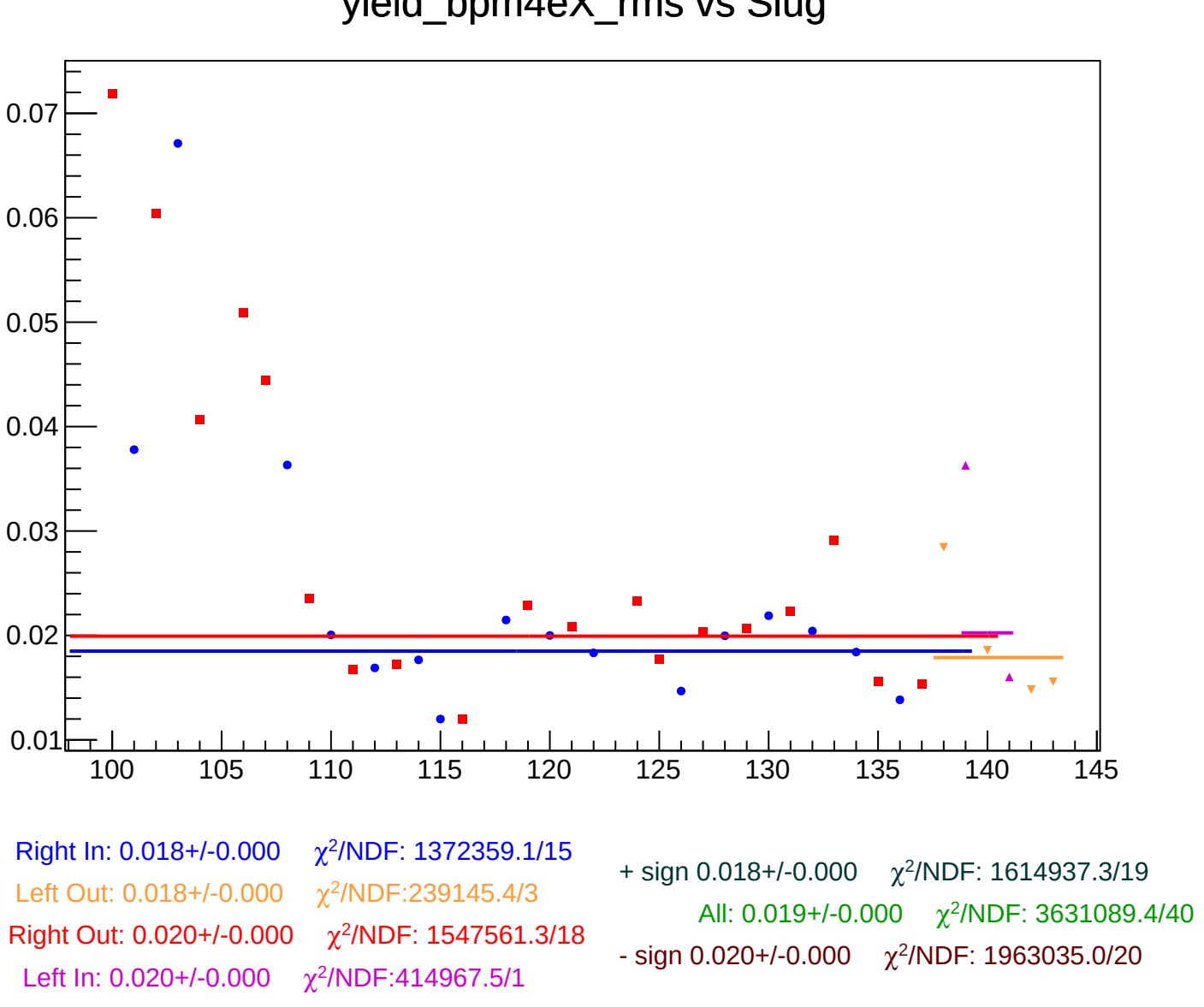
Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.433+/-0.000 χ^2/NDF:2932556.9/1

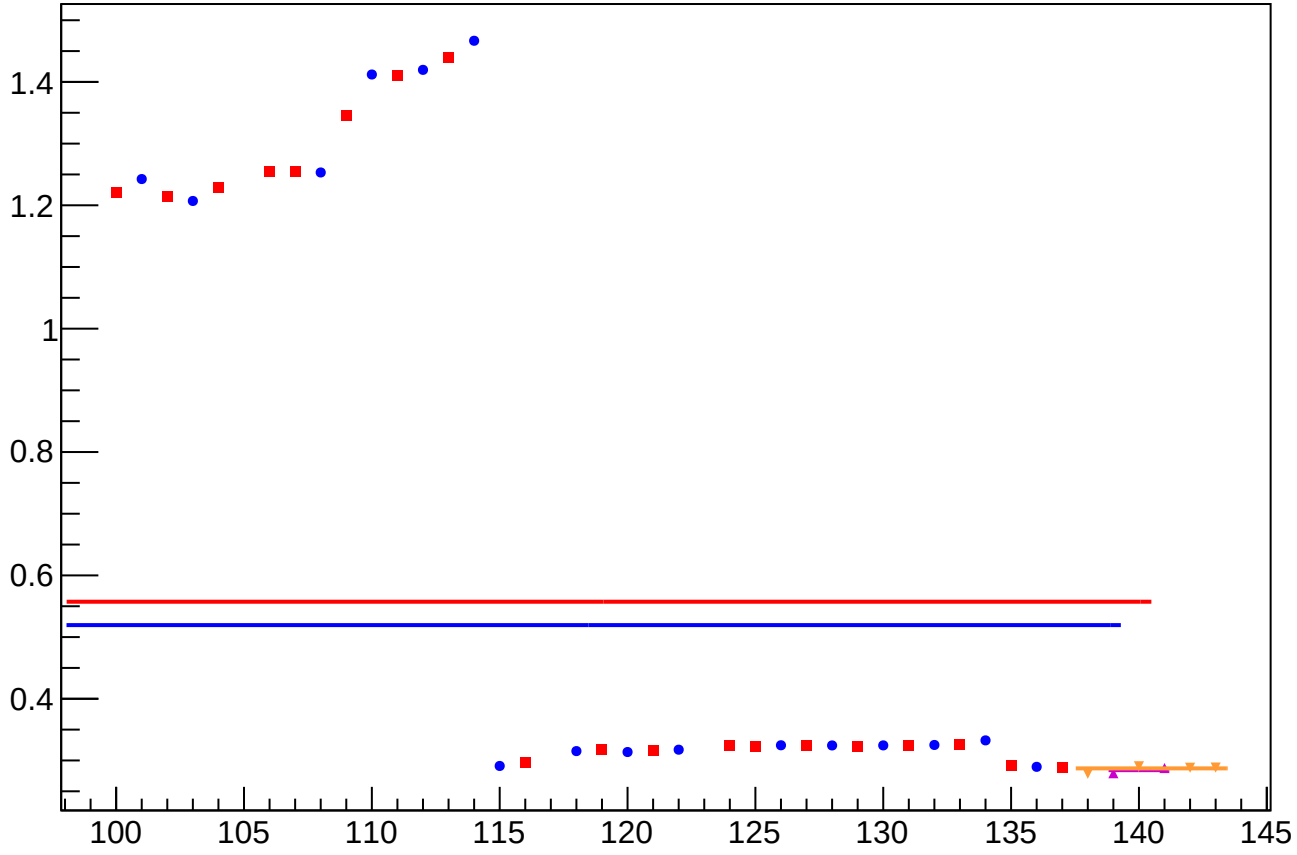
+ sign -0.239+/-0.000 χ^2/NDF: 669436968.5/19

All: -0.223+/-0.000 χ^2/NDF: 1084098707.0/4

- sign -0.202+/-0.000 χ^2/NDF: 402190369.3/20


yield_bpm4eX_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
105
110
115
120
125
130
135
140
145
Right In: 0.018+/-0.000 χ²/NDF: 1372359.1/15
Left Out: 0.018+/-0.000 χ²/NDF:239145.4/3
Right Out: 0.020+/-0.000 χ²/NDF: 1547561.3/18
Left In: 0.020+/-0.000 χ²/NDF:414967.5/1
+ sign 0.018+/-0.000 χ²/NDF: 1614937.3/19
All: 0.019+/-0.000 χ²/NDF: 3631089.4/40
- sign 0.020+/-0.000 χ²/NDF: 1963035.0/20

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:404054.8/3

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

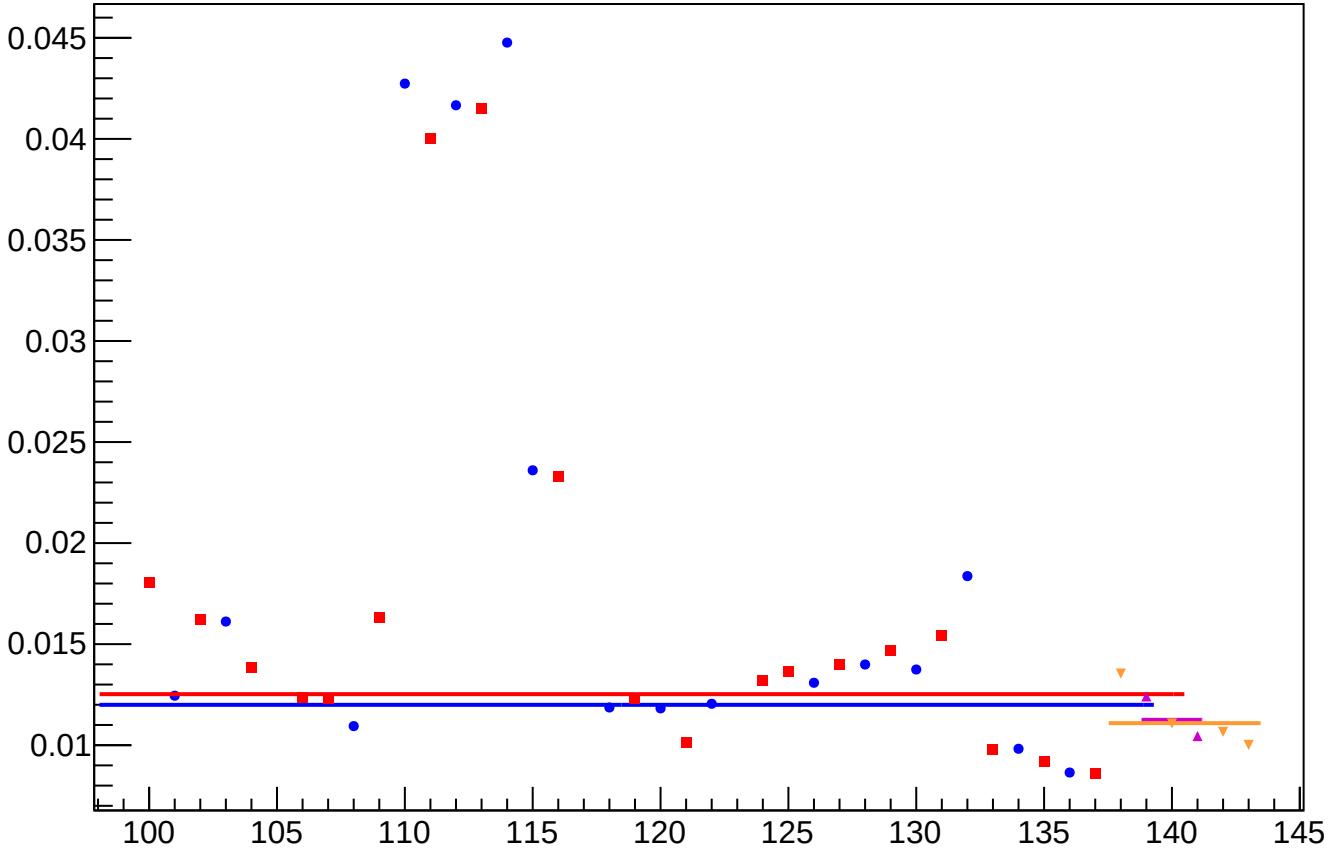
Left In: 0.284+/-0.000 χ^2/NDF:223511.2/1

+ sign 0.439+/-0.000 χ^2/NDF: 7093641689.5/19

All: 0.462+/-0.000 χ^2/NDF: 14637849145.6/4

- sign 0.489+/-0.000 χ^2/NDF: 7471945123.1/20

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:68167.9/3

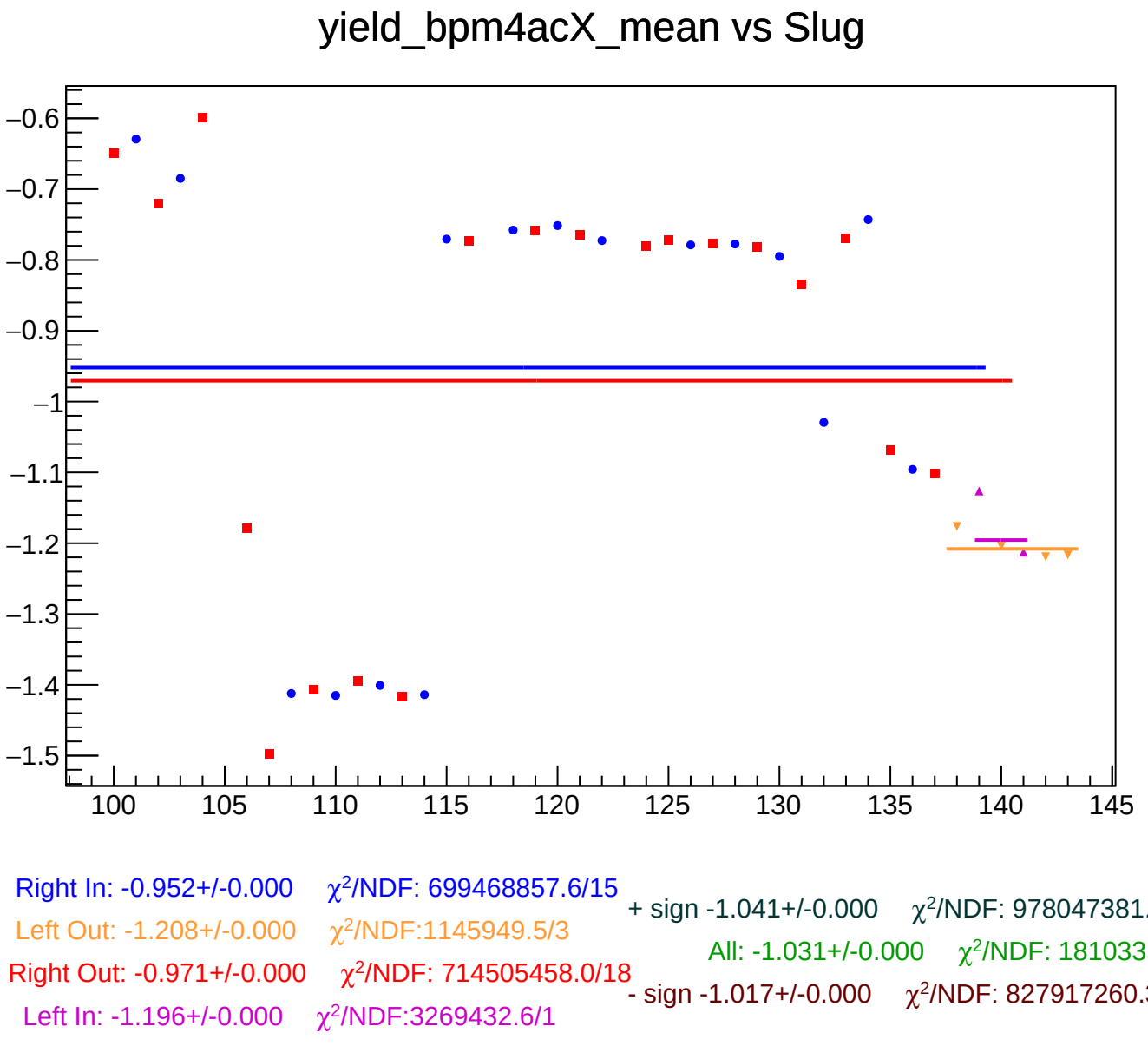
Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:24134.1/1

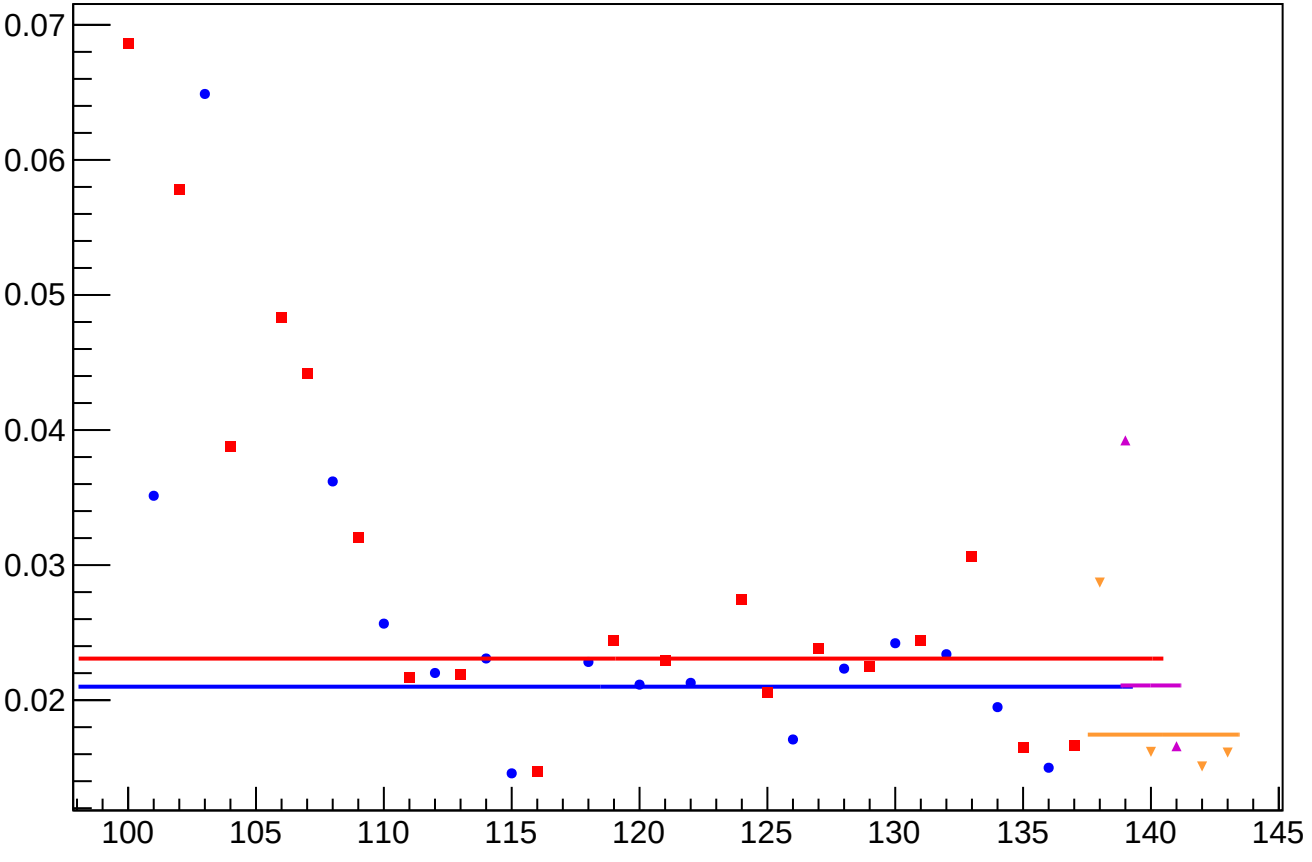
+ sign 0.012+/-0.000 χ^2/NDF: 1583347.4/19

All: 0.012+/-0.000 χ^2/NDF: 3088882.5/40

- sign 0.012+/-0.000 χ^2/NDF: 1489772.9/20


yield_bpm4acX_mean vs Slug
−0.6
−0.7
−0.8
−0.9
−1
−1.1
−1.2
−1.3
−1.4
−1.5
100
105
110
115
120
125
130
135
140
145
Right In: -0.952+/-0.000 χ²/NDF: 699468857.6/15
Left Out: -1.208+/-0.000 χ²/NDF:1145949.5/3
Right Out: -0.971+/-0.000 χ²/NDF: 714505458.0/18
Left In: -1.196+/-0.000 χ²/NDF:3269432.6/1
+ sign -1.041+/-0.000 χ²/NDF: 978047381.4/19
All: -1.031+/-0.000 χ²/NDF: 1810335120.3/4
- sign -1.017+/-0.000 χ²/NDF: 827917260.3/20

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:228581.9/3

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

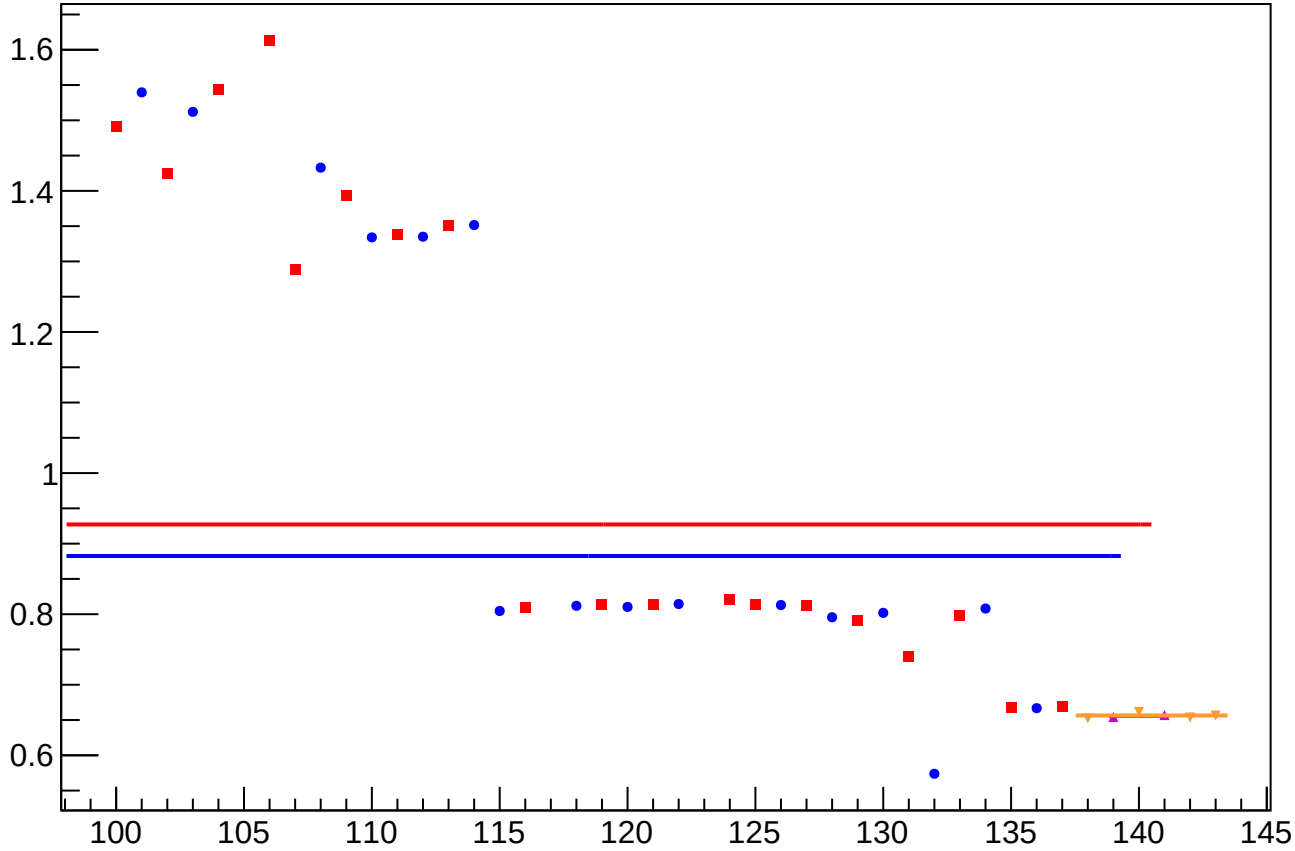
Left In: 0.021+/-0.000 χ^2/NDF:449084.1/1

+ sign 0.020+/-0.000 χ^2/NDF: 1502193.6/19

All: 0.021+/-0.000 χ^2/NDF: 3379974.4/40

- sign 0.023+/-0.000 χ^2/NDF: 1747623.8/20

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.656+/-0.000 χ^2/NDF:275038.1/3

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

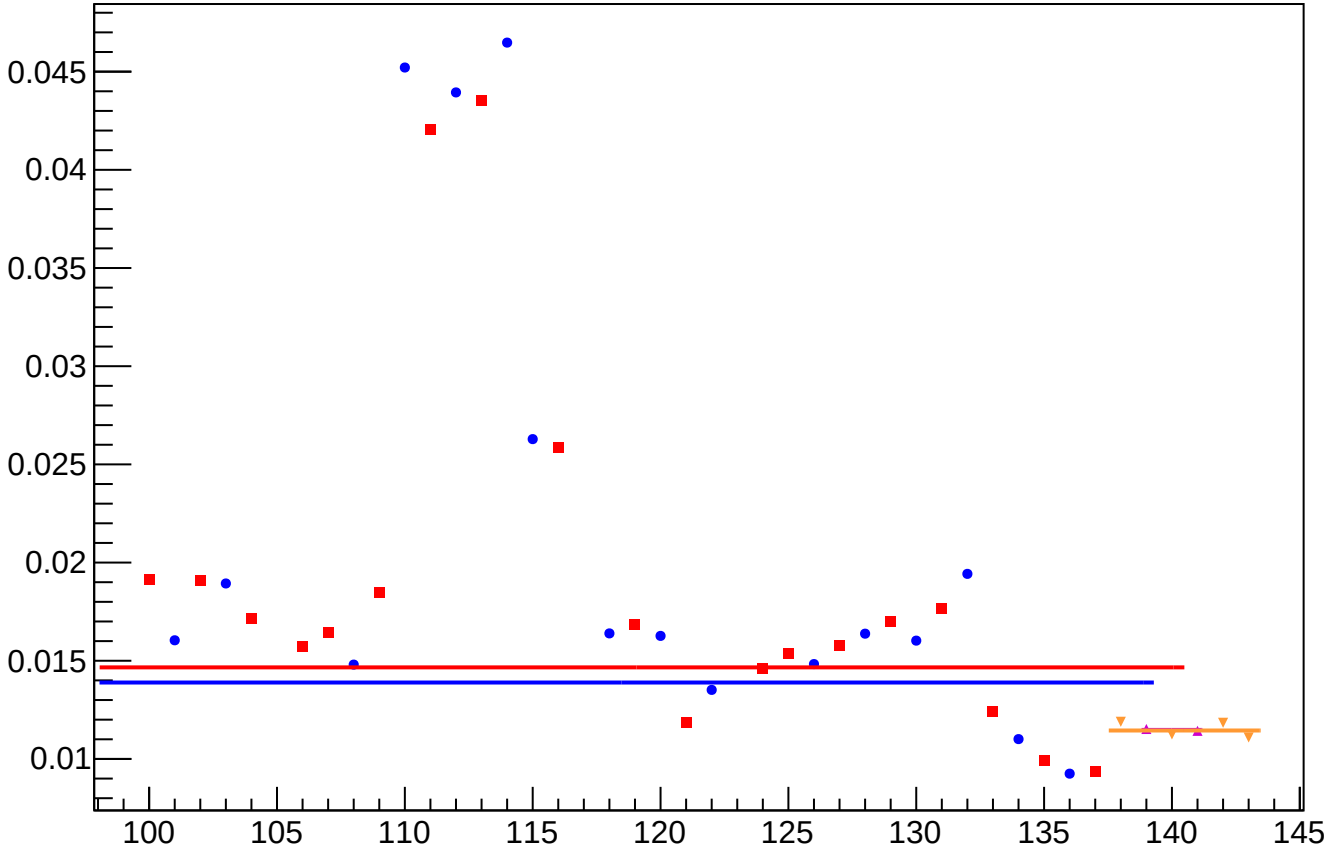
Left In: 0.656+/-0.000 χ^2/NDF:22461.5/1

+ sign 0.791+/-0.000 χ^2/NDF: 3422168219.0/19

All: 0.815+/-0.000 χ^2/NDF: 6901014458.7/40

- sign 0.844+/-0.000 χ^2/NDF: 3412339470.5/20

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:5146.3/3

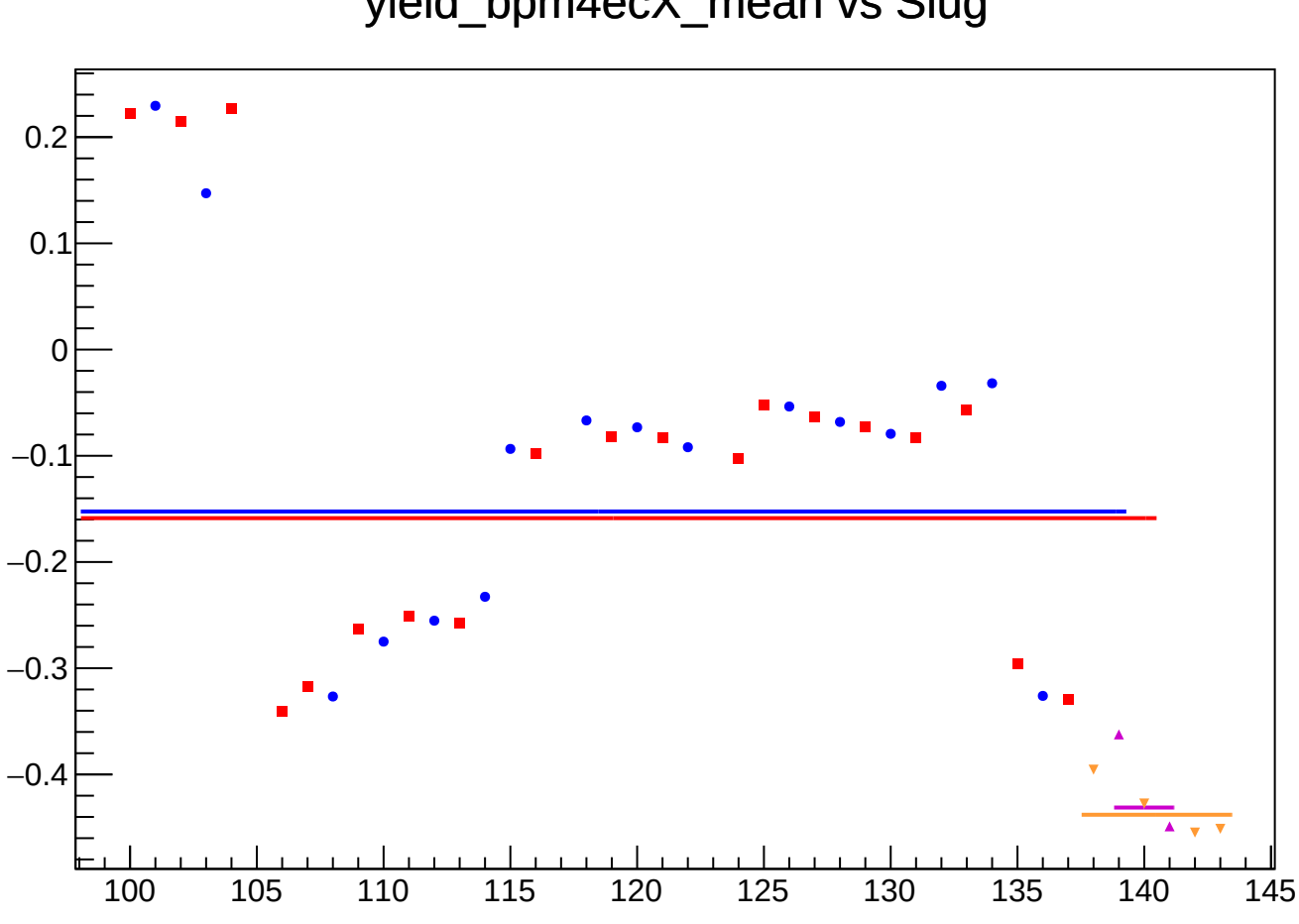
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.011+/-0.000 χ^2/NDF:56.5/1

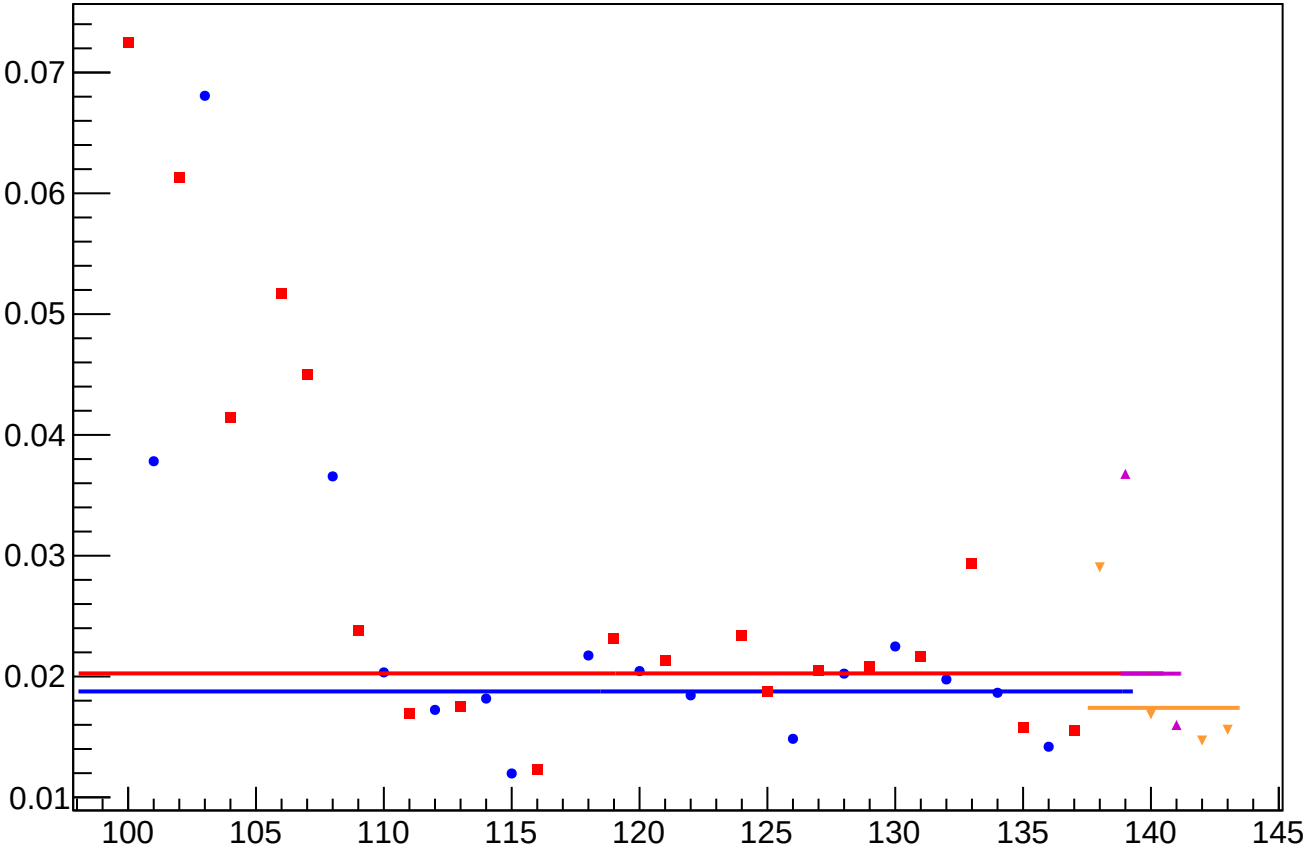
+ sign 0.013+/-0.000 χ^2/NDF: 1800885.6/19

All: 0.013+/-0.000 χ^2/NDF: 3475590.7/40

- sign 0.014+/-0.000 χ^2/NDF: 1645795.0/20


yield_bpm4ecX_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
105
110
115
120
125
130
135
140
145
Right In: -0.152+/-0.000 χ²/NDF: 274261842.6/15
Left Out: -0.438+/-0.000 χ²/NDF:2500992.2/3
Right Out: -0.159+/-0.000 χ²/NDF: 195614120.0/18
Left In: -0.431+/-0.000 χ²/NDF:3698326.0/1
+ sign -0.241+/-0.000 χ²/NDF: 654215395.5/19
All: -0.227+/-0.000 χ²/NDF: 1045851904.0/4
- sign -0.209+/-0.000 χ²/NDF: 382592877.5/20

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:255243.7/3

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

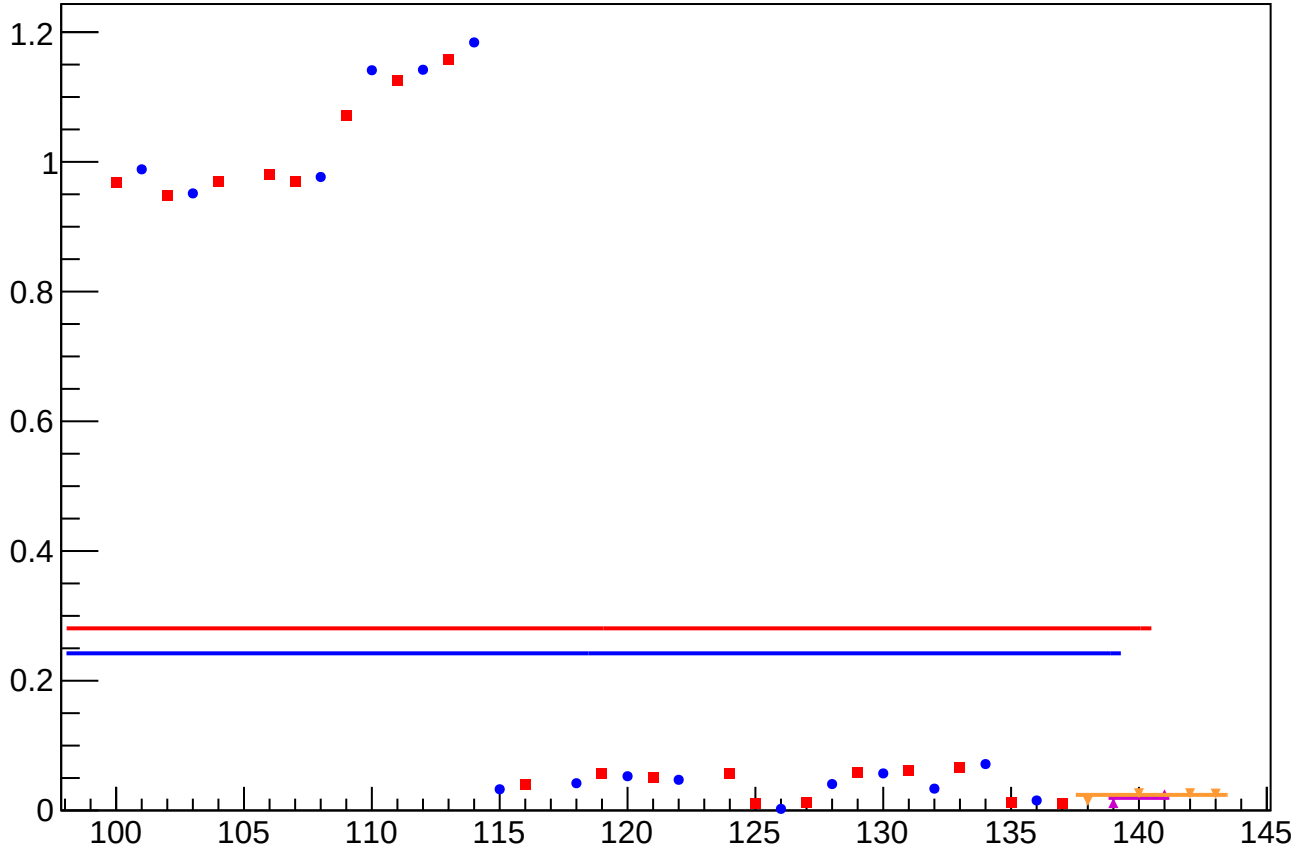
Left In: 0.020+/-0.000 χ^2/NDF:426546.7/1

+ sign 0.018+/-0.000 χ^2/NDF: 1621752.7/19

All: 0.019+/-0.000 χ^2/NDF: 3645699.1/40

- sign 0.020+/-0.000 χ^2/NDF: 1956173.5/20

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.024+/-0.000 χ^2/NDF:483876.1/3

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

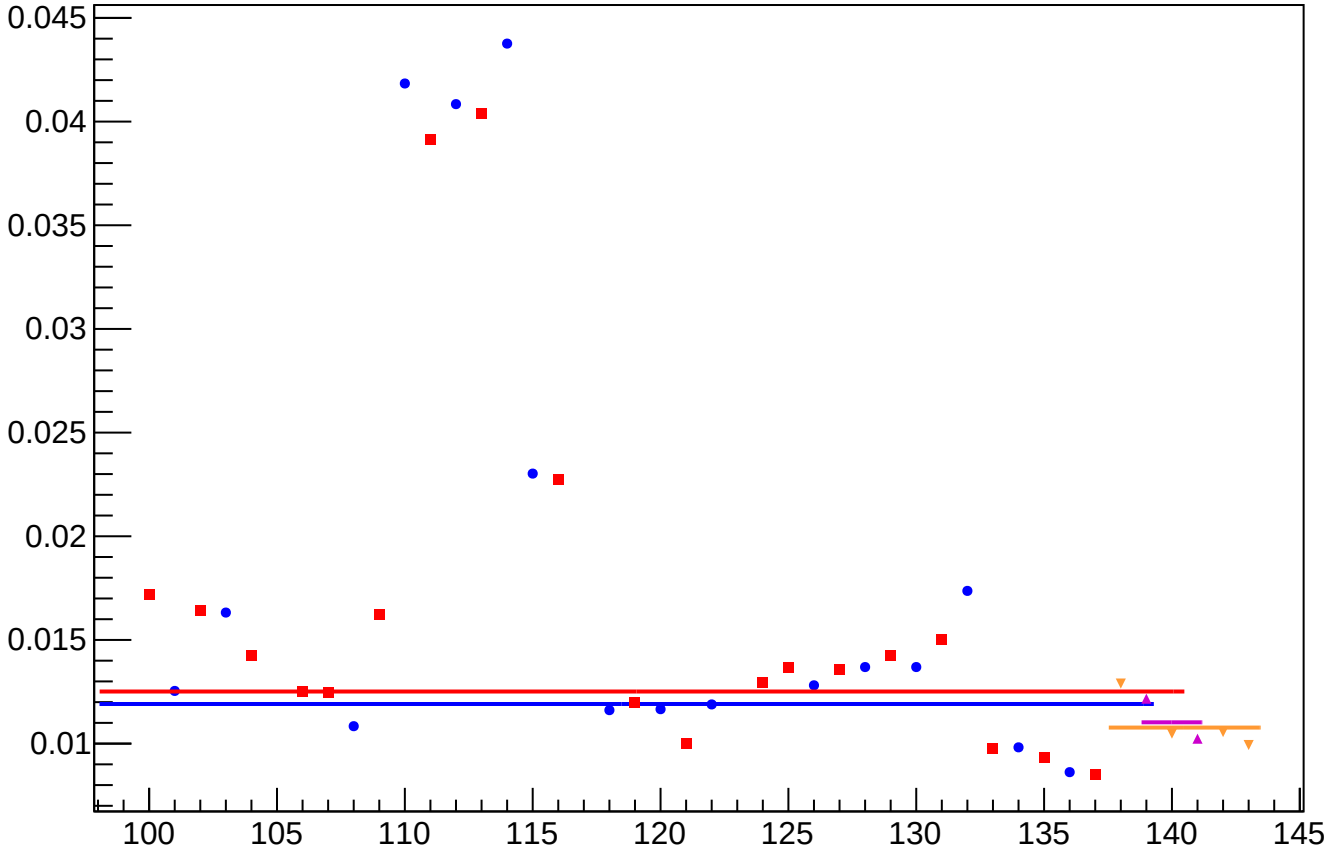
Left In: 0.019+/-0.000 χ^2/NDF:594560.1/1

+ sign 0.165+/-0.000 χ^2/NDF: 7221641602.0/19

All: 0.187+/-0.000 χ^2/NDF: 14736350490.6/4

- sign 0.214+/-0.000 χ^2/NDF: 7444094950.5/20

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:52975.8/3

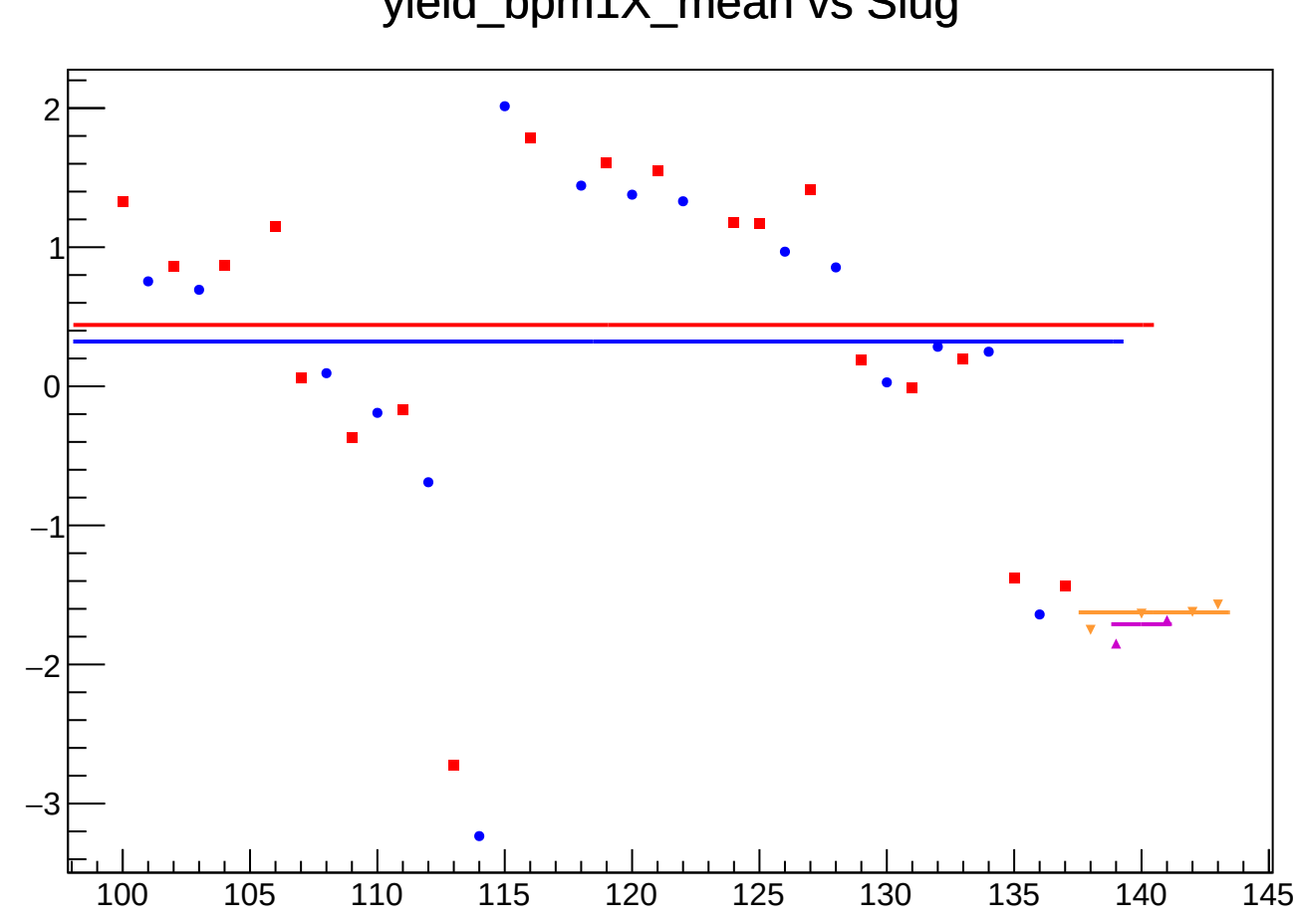
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:24269.5/1

+ sign 0.012+/-0.000 χ^2/NDF: 1551117.9/19

All: 0.012+/-0.000 χ^2/NDF: 3035028.4/40

- sign 0.012+/-0.000 χ^2/NDF: 1461040.4/20



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -1.626+/-0.000 χ^2/NDF:1013894.1/3

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

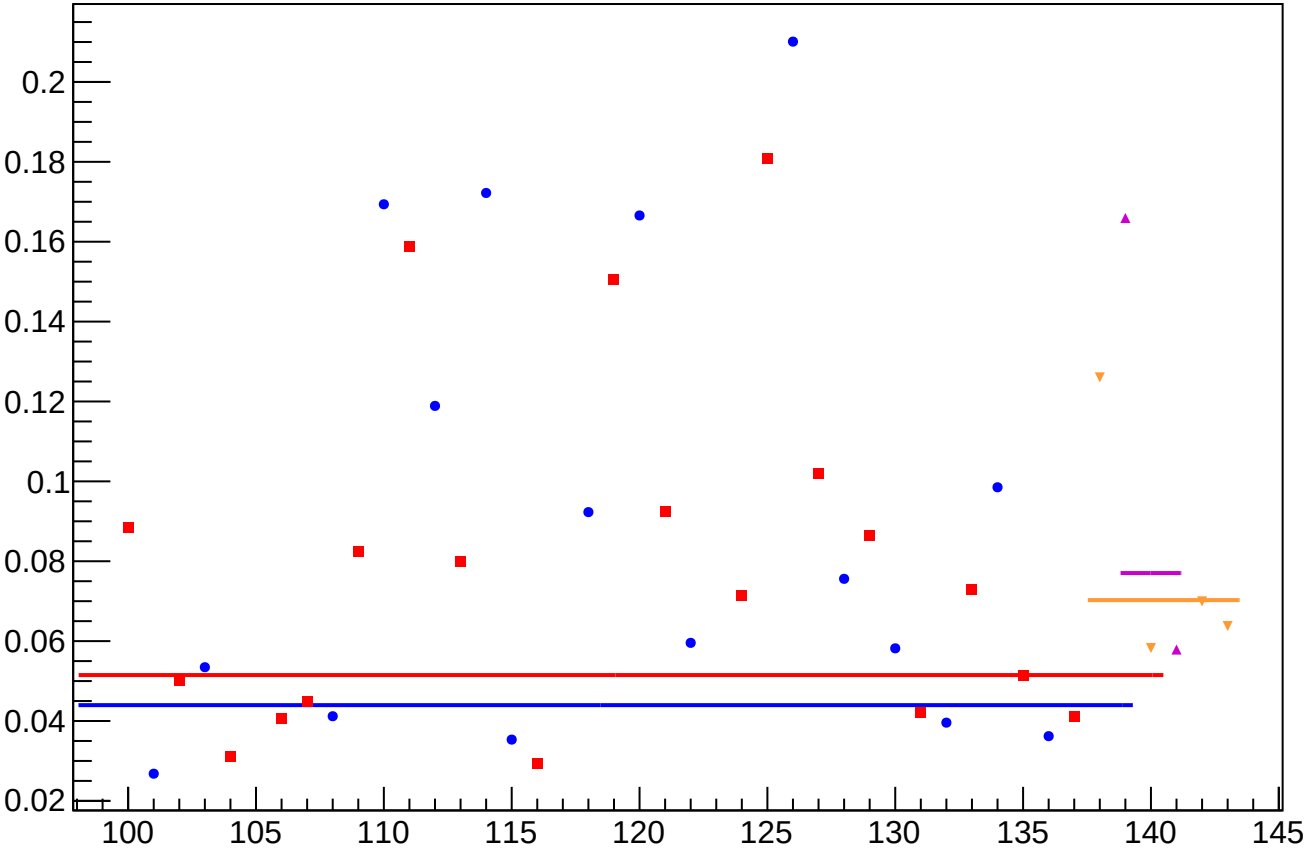
Left In: -1.711+/-0.000 χ^2/NDF:677810.0/1

+ sign 0.038+/-0.000 χ^2/NDF: 2761442809.0/19

All: 0.130+/-0.000 χ^2/NDF: 5287823397.9/40

- sign 0.248+/-0.000 χ^2/NDF: 2481797062.6/20

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.070+/-0.000 χ^2/NDF:302792.1/3

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

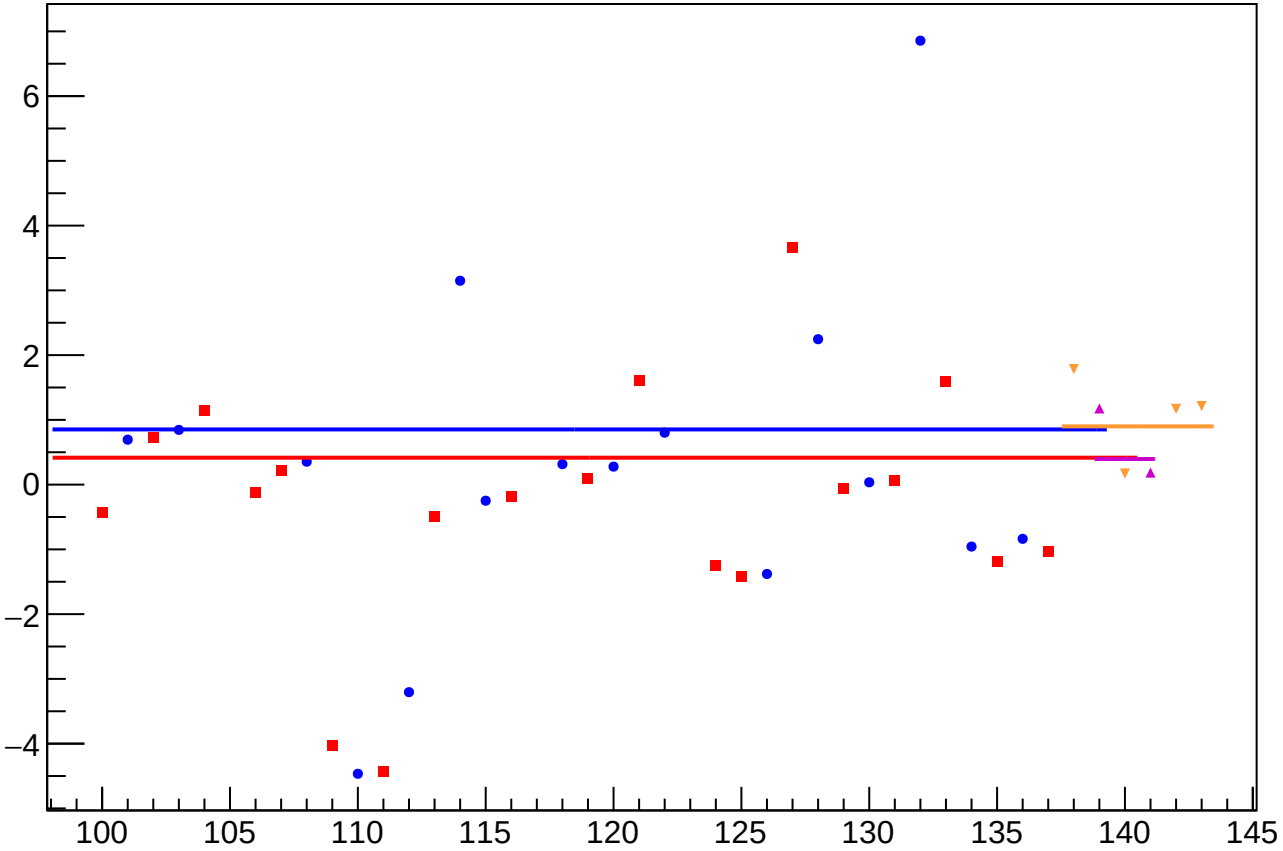
Left In: 0.077+/-0.000 χ^2/NDF:552999.3/1

+ sign 0.048+/-0.000 χ^2/NDF: 3489756.2/19

All: 0.050+/-0.000 χ^2/NDF: 6676278.0/40

- sign 0.054+/-0.000 χ^2/NDF: 3113360.7/20

yield_bpm1Y_mean vs Slug



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.900+/-0.000 χ^2/NDF:185789824.7/3

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

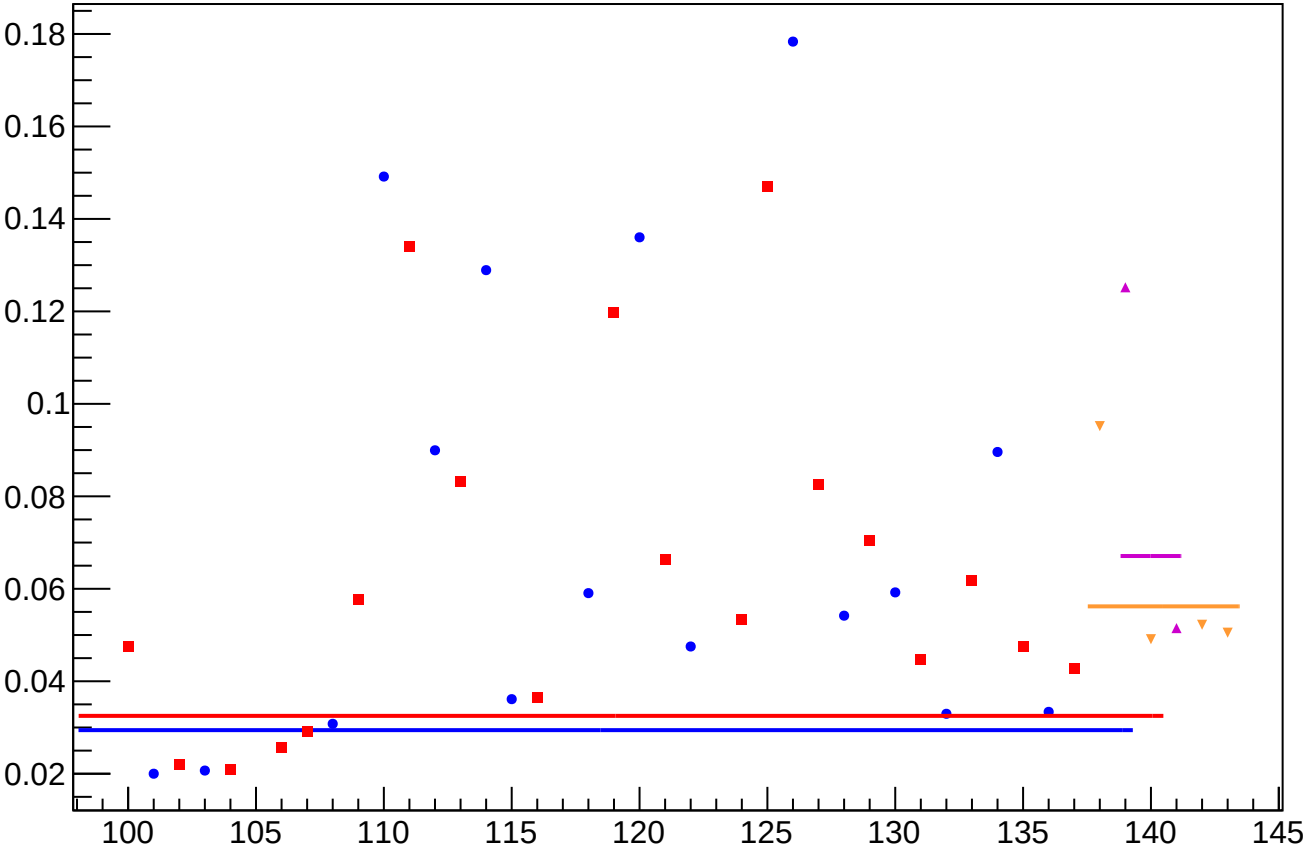
Left In: 0.395+/-0.000 χ^2/NDF:38382253.7/1

+ sign 0.858+/-0.000 χ^2/NDF: 11762904847.1/19

All: 0.653+/-0.000 χ^2/NDF: 17359488628.3/4

- sign 0.415+/-0.000 χ^2/NDF: 5160366261.1/20

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.056+/-0.000 χ^2/NDF:252047.2/3

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

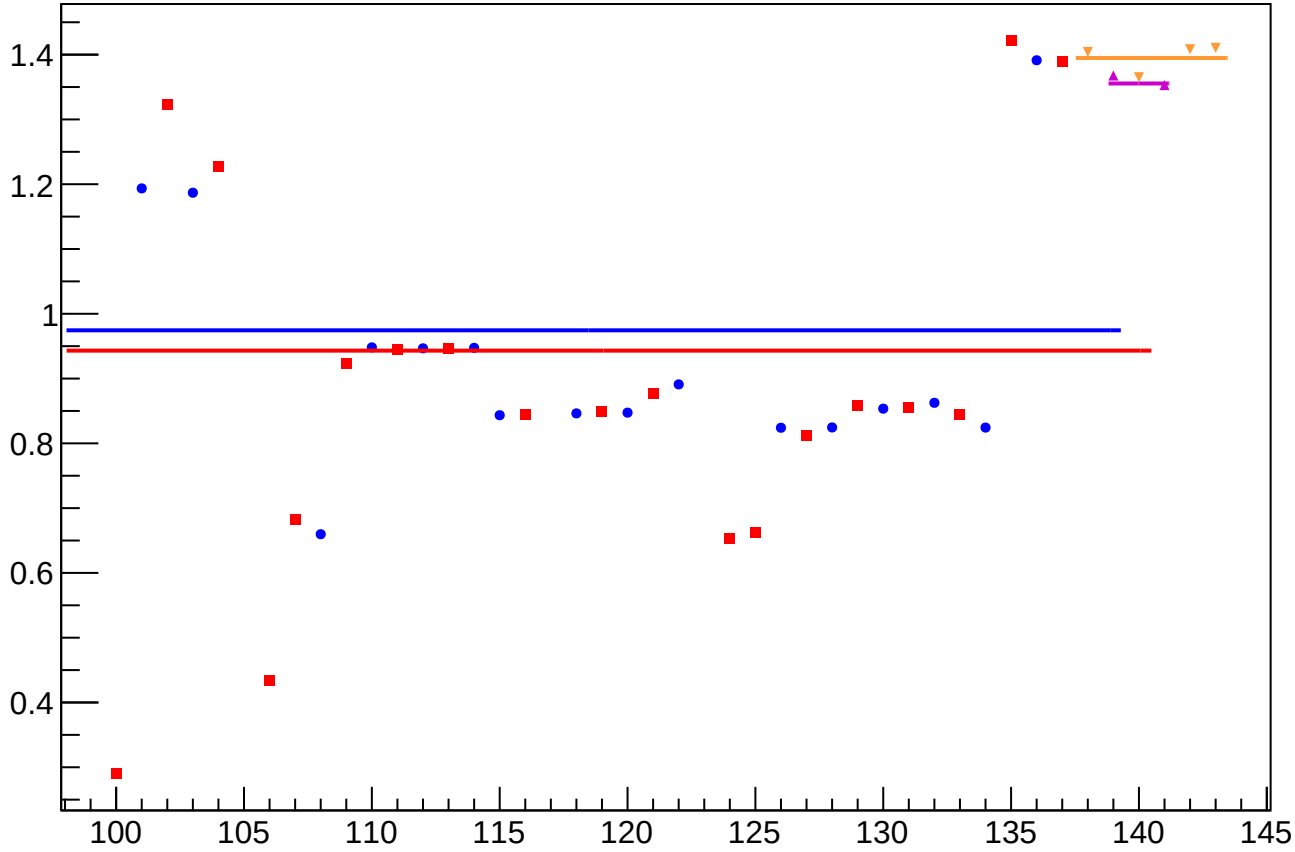
Left In: 0.067+/-0.000 χ^2/NDF:424755.3/1

+ sign 0.032+/-0.000 χ^2/NDF: 4133204.6/19

All: 0.033+/-0.000 χ^2/NDF: 8420156.1/40

- sign 0.034+/-0.000 χ^2/NDF: 4268716.6/20

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.395+/-0.000 χ^2/NDF:6192797.5/3

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

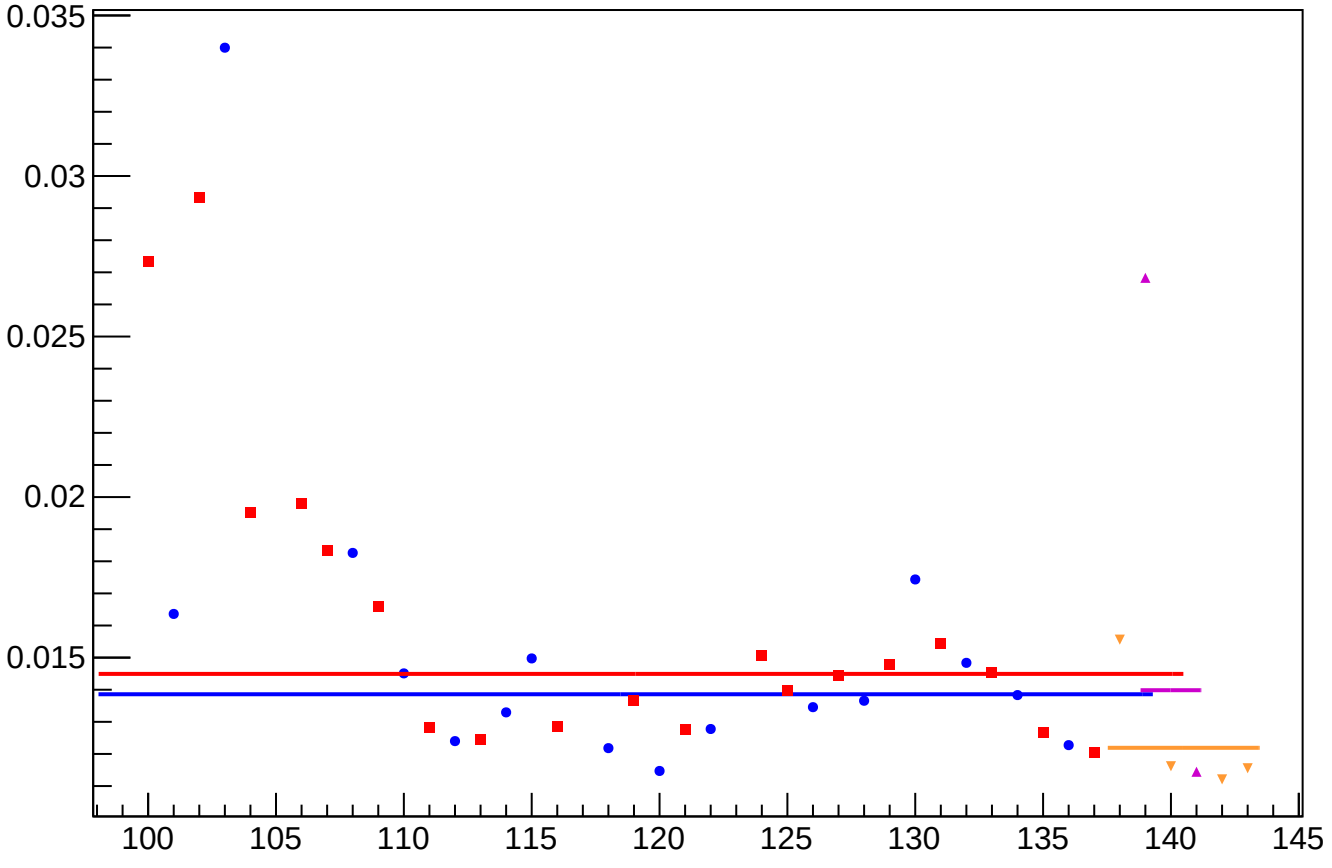
Left In: 1.355+/-0.000 χ^2/NDF:204674.7/1

+ sign 1.110+/-0.000 χ^2/NDF: 3302486673.6/19

All: 1.069+/-0.000 χ^2/NDF: 6094115611.3/40

- sign 1.018+/-0.000 χ^2/NDF: 2617405325.6/20

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:72116.7/3

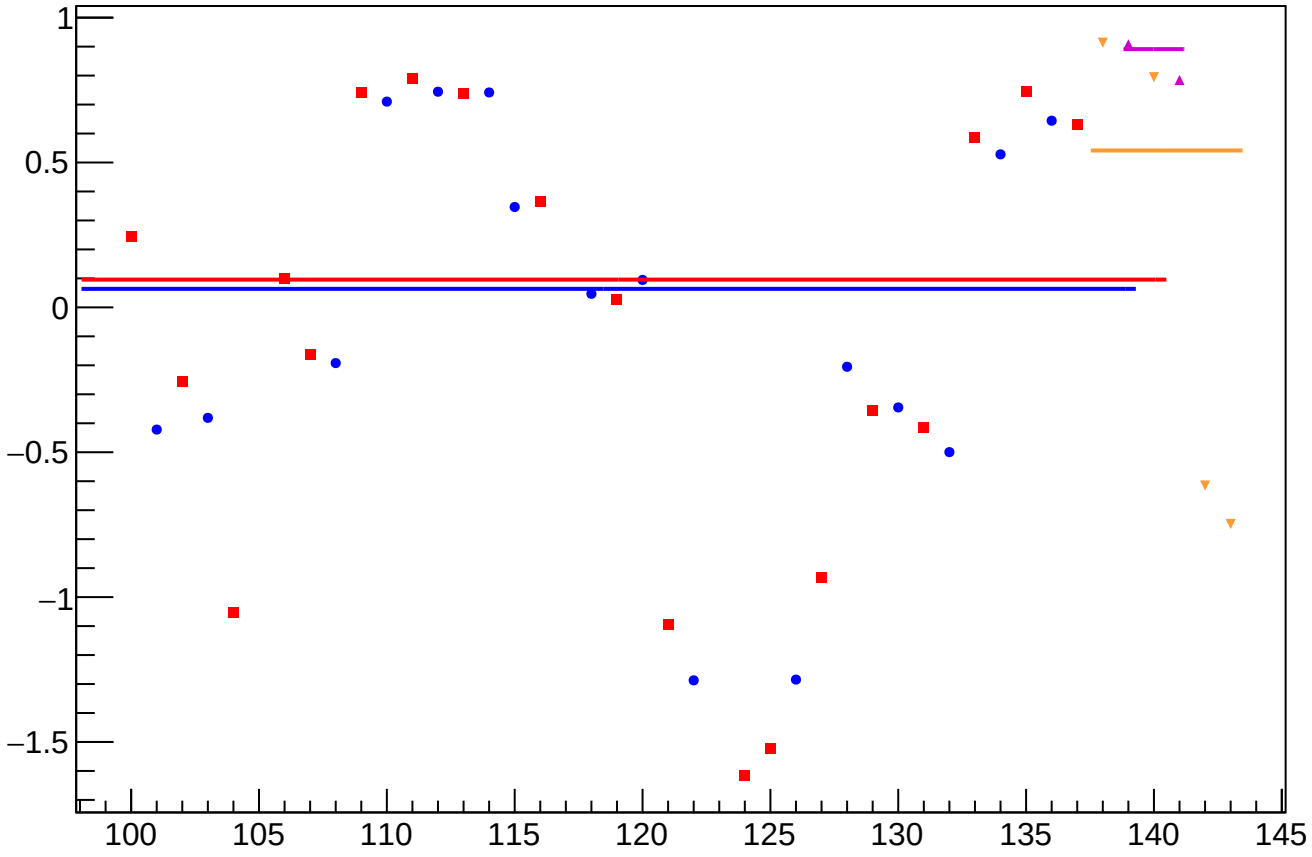
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:444136.1/1

+ sign 0.013+/-0.000 χ^2/NDF: 729954.1/19

All: 0.014+/-0.000 χ^2/NDF: 1769891.4/40

- sign 0.014+/-0.000 χ^2/NDF: 991347.0/20



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.542+/-0.000 χ^2/NDF:13232411845.8/3

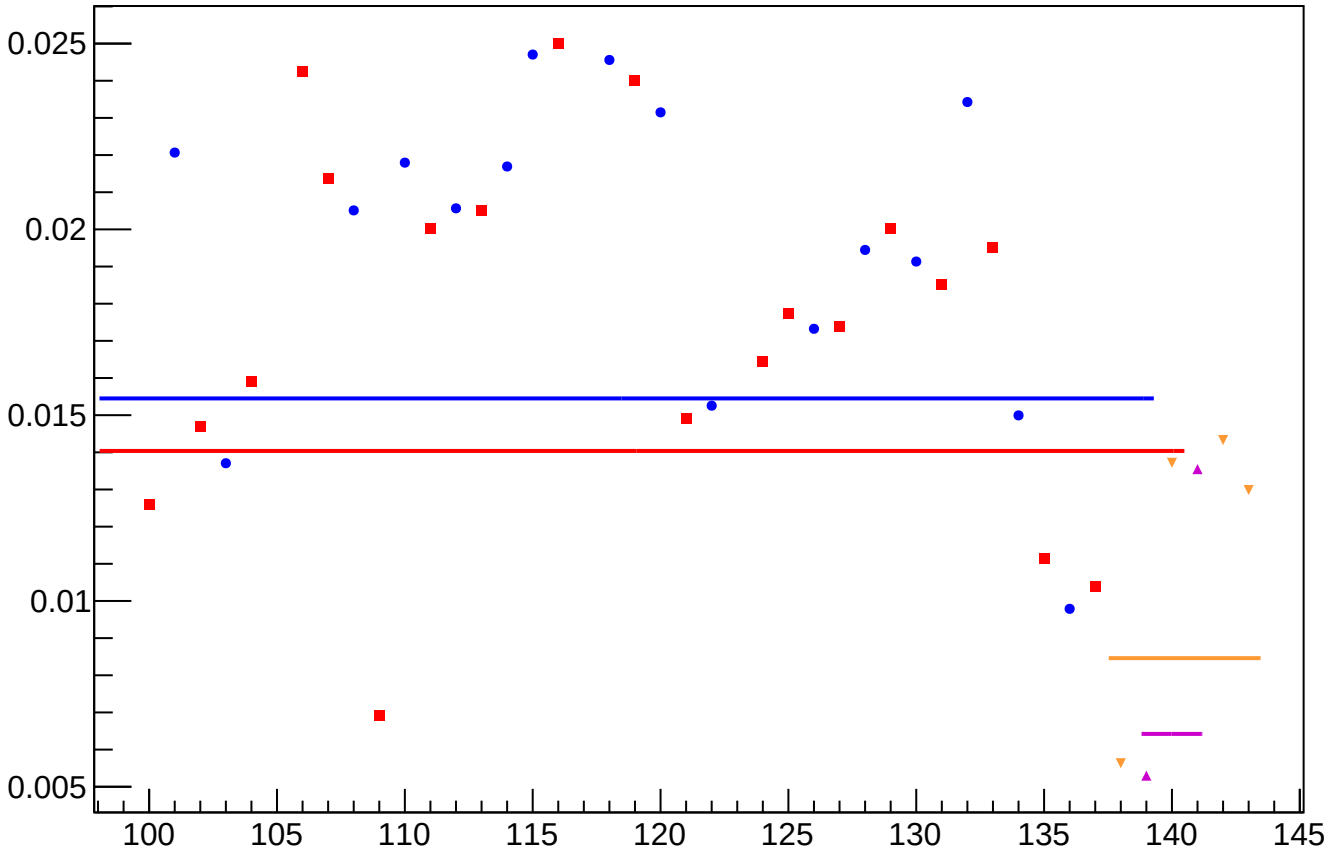
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.891+/-0.000 χ^2/NDF:58816808.8/1

+ sign 0.324+/-0.000 χ^2/NDF: 27393069683.7/19

All: 0.424+/-0.000 χ^2/NDF: 56172959695.3/4

- sign 0.513+/-0.000 χ^2/NDF: 27734426002.3/20



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:867482.1/3

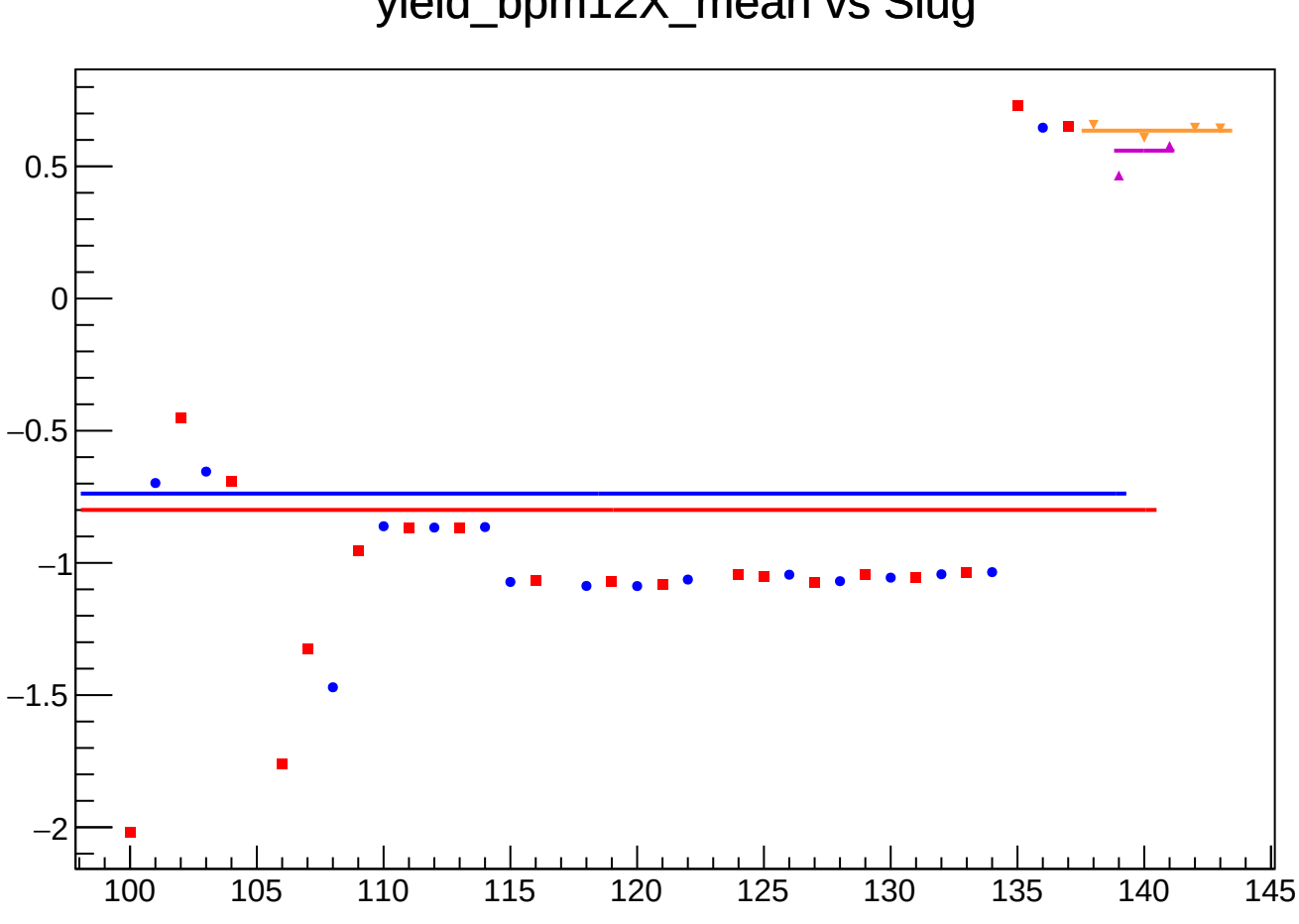
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.006+/-0.000 χ^2/NDF:525554.8/1

+ sign 0.012+/-0.000 χ^2/NDF: 3499596.9/19

All: 0.011+/-0.000 χ^2/NDF: 7674497.1/40

- sign 0.010+/-0.000 χ^2/NDF: 4024944.9/20



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.635+/-0.000 χ^2/NDF:828463.5/3

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

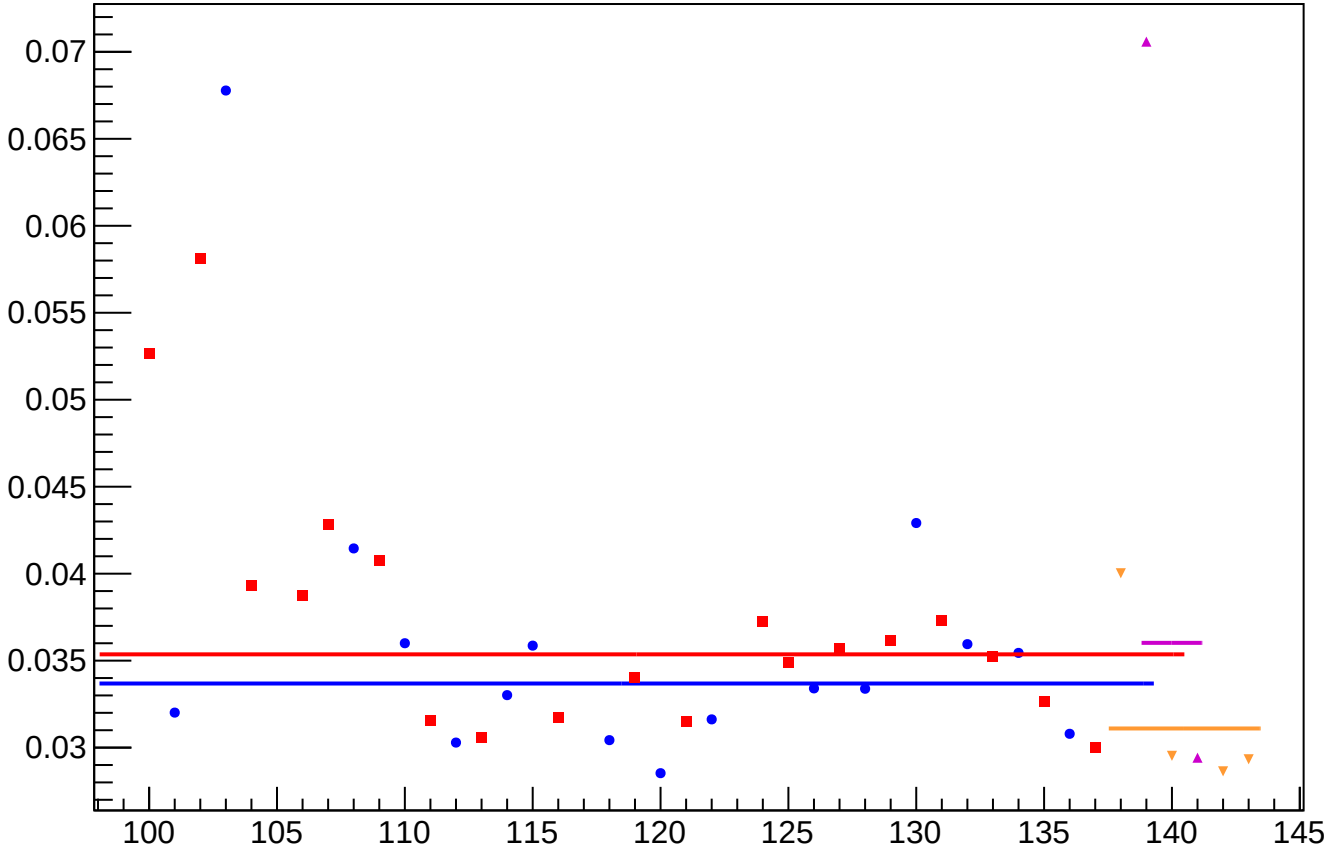
Left In: 0.559+/-0.000 χ^2/NDF:1700834.8/1

+ sign -0.332+/-0.000 χ^2/NDF: 5169037157.5/19

All: -0.440+/-0.000 χ^2/NDF: 8825511806.8/4

- sign -0.577+/-0.000 χ^2/NDF: 3447525480.7/20

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:77524.5/3

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

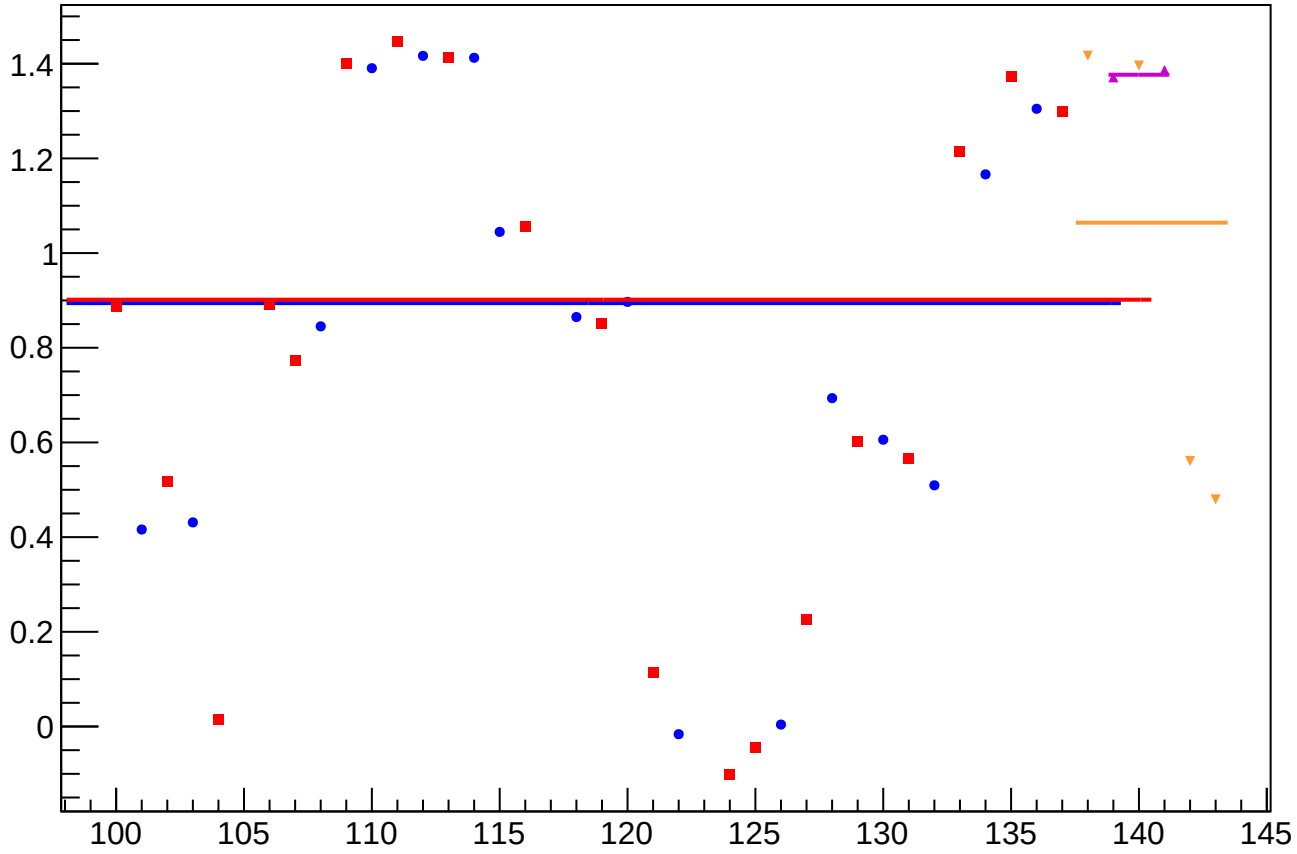
Left In: 0.036+/-0.000 χ^2/NDF:461306.7/1

+ sign 0.033+/-0.000 χ^2/NDF: 519698.7/19

All: 0.034+/-0.000 χ^2/NDF: 1323139.3/40

- sign 0.035+/-0.000 χ^2/NDF: 758398.2/20

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.064+/-0.000 χ^2/NDF:7569282221.5/3

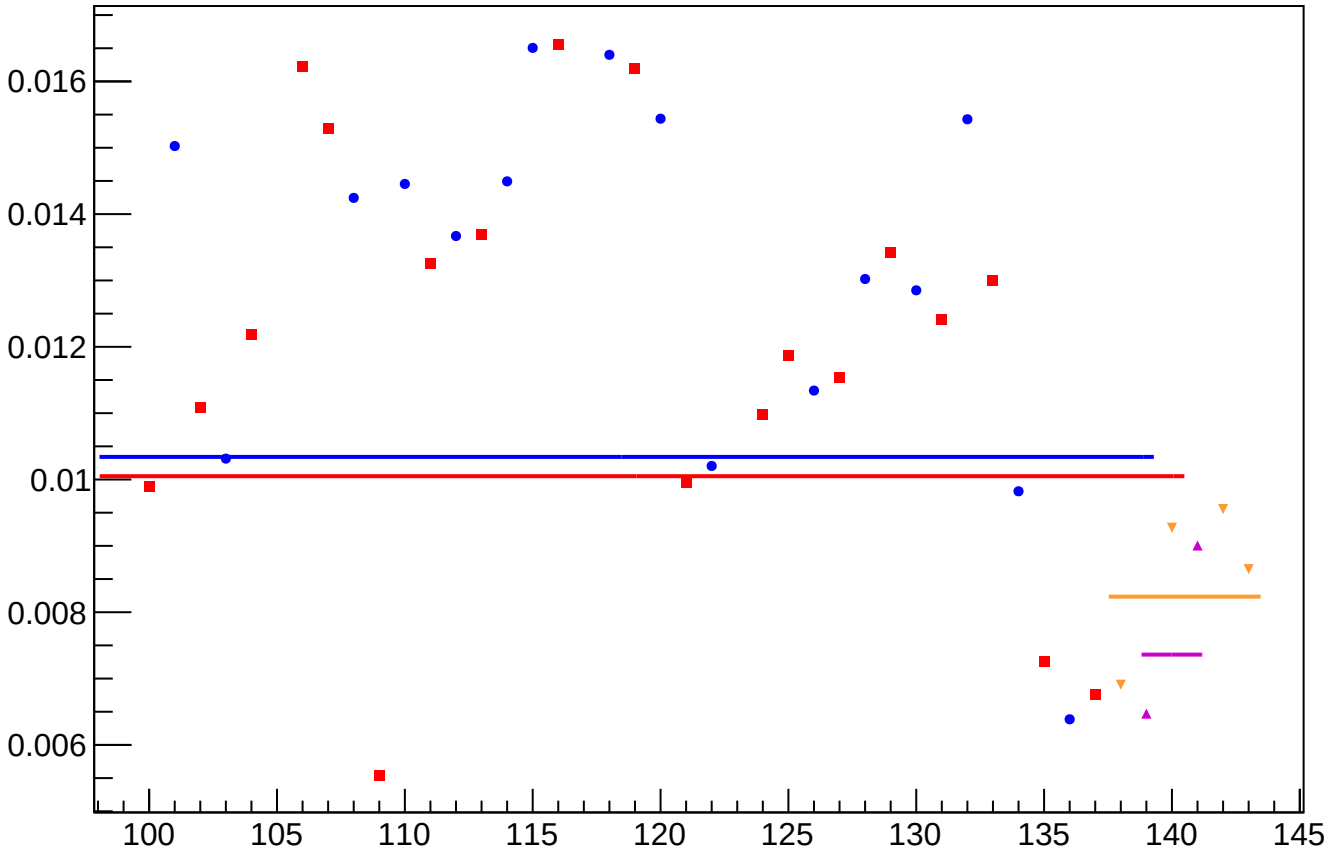
Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.377+/-0.000 χ^2/NDF:1593079.3/1

+ sign 0.964+/-0.000 χ^2/NDF: 20983508868.1/19

All: 1.009+/-0.000 χ^2/NDF: 43668113013.9/4

- sign 1.055+/-0.000 χ^2/NDF: 22303237352.1/20



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:92670.0/3

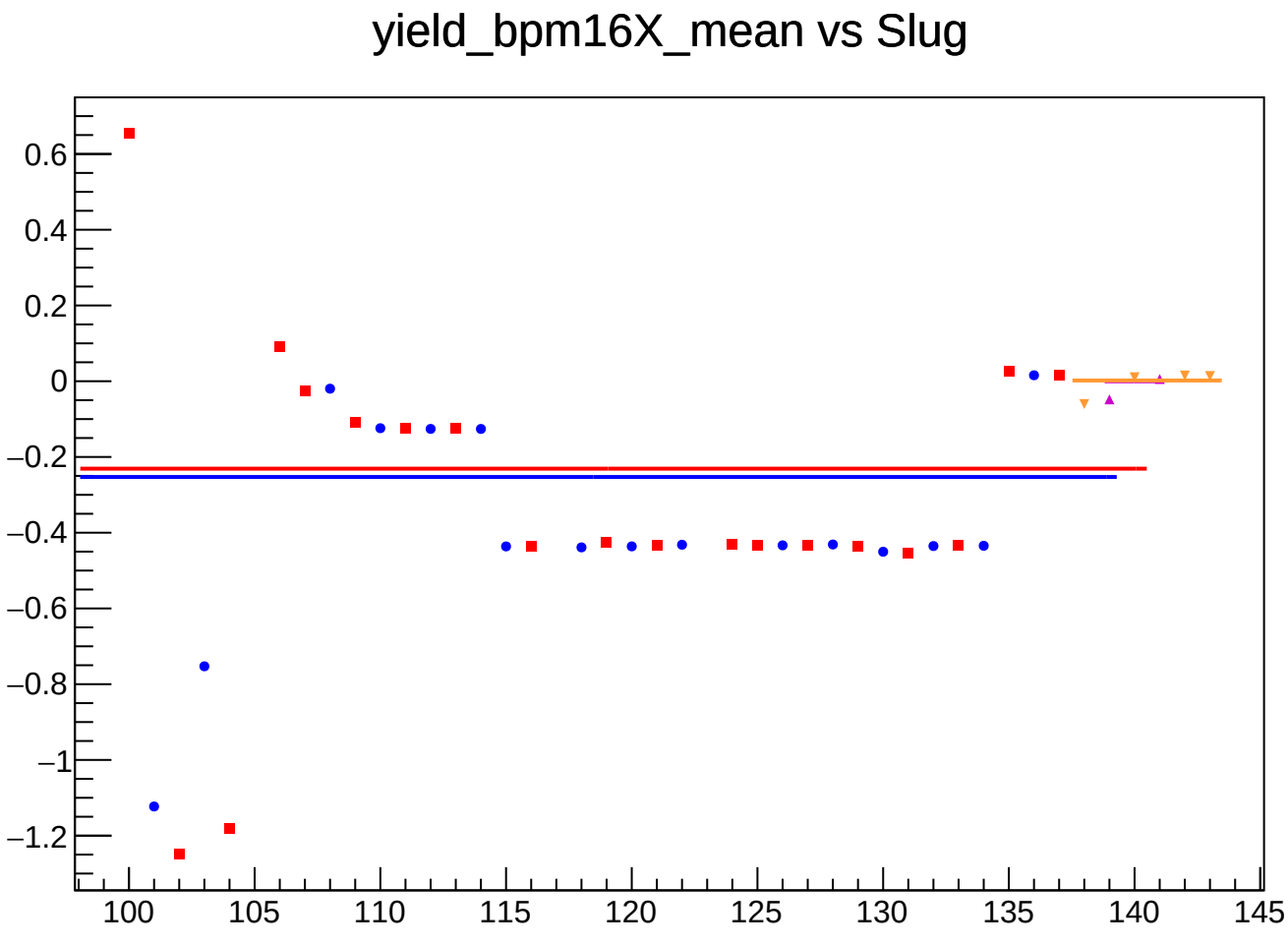
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.007+/-0.000 χ^2/NDF:84502.3/1

+ sign 0.009+/-0.000 χ^2/NDF: 1647158.5/19

All: 0.009+/-0.000 χ^2/NDF: 3358795.8/40

- sign 0.009+/-0.000 χ^2/NDF: 1703730.0/20



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:16735275.7/3

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

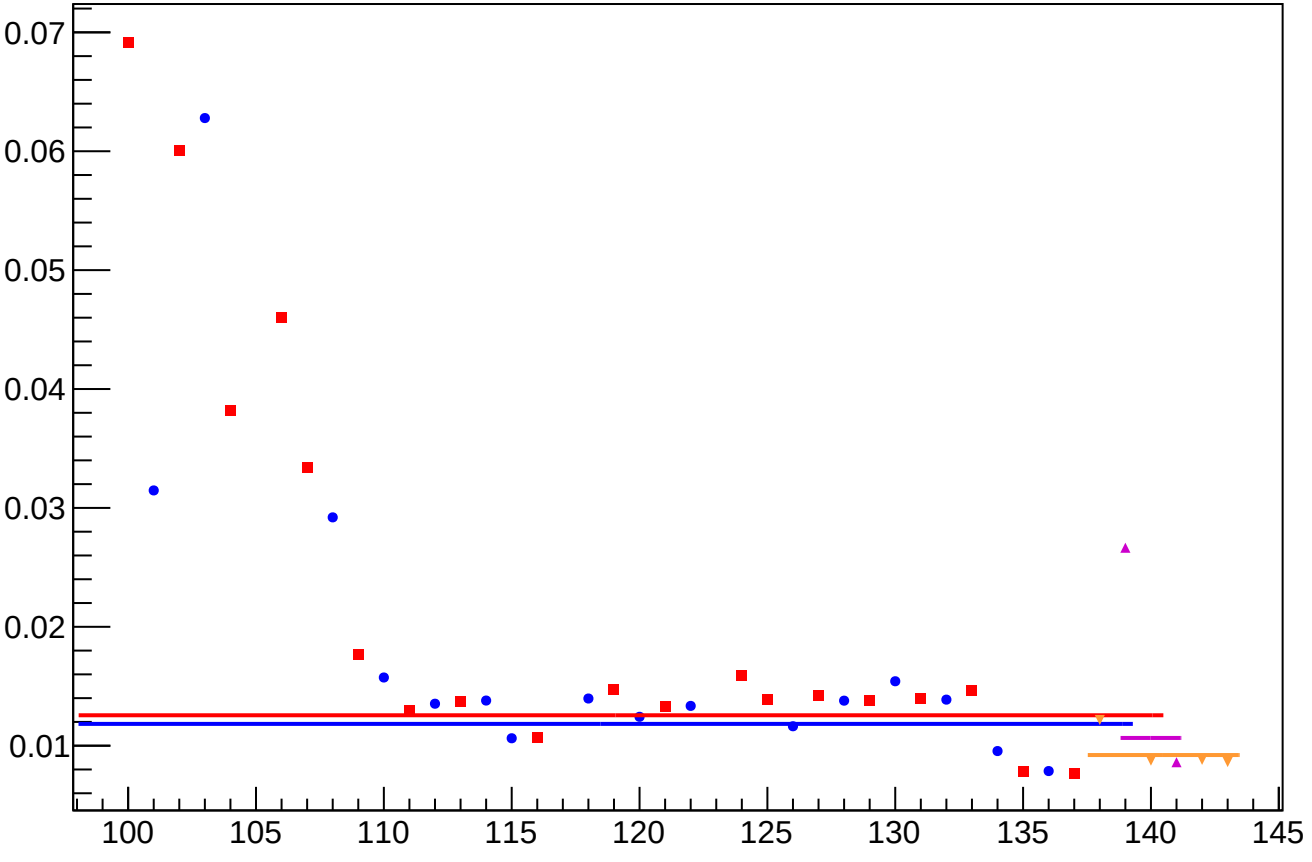
Left In: -0.000+/-0.000 χ^2/NDF:2997694.4/1

+ sign -0.148+/-0.000 χ^2/NDF: 2995011497.7/19

All: -0.159+/-0.000 χ^2/NDF: 5239802886.6/4

- sign -0.174+/-0.000 χ^2/NDF: 2227280044.1/20

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:74782.0/3

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

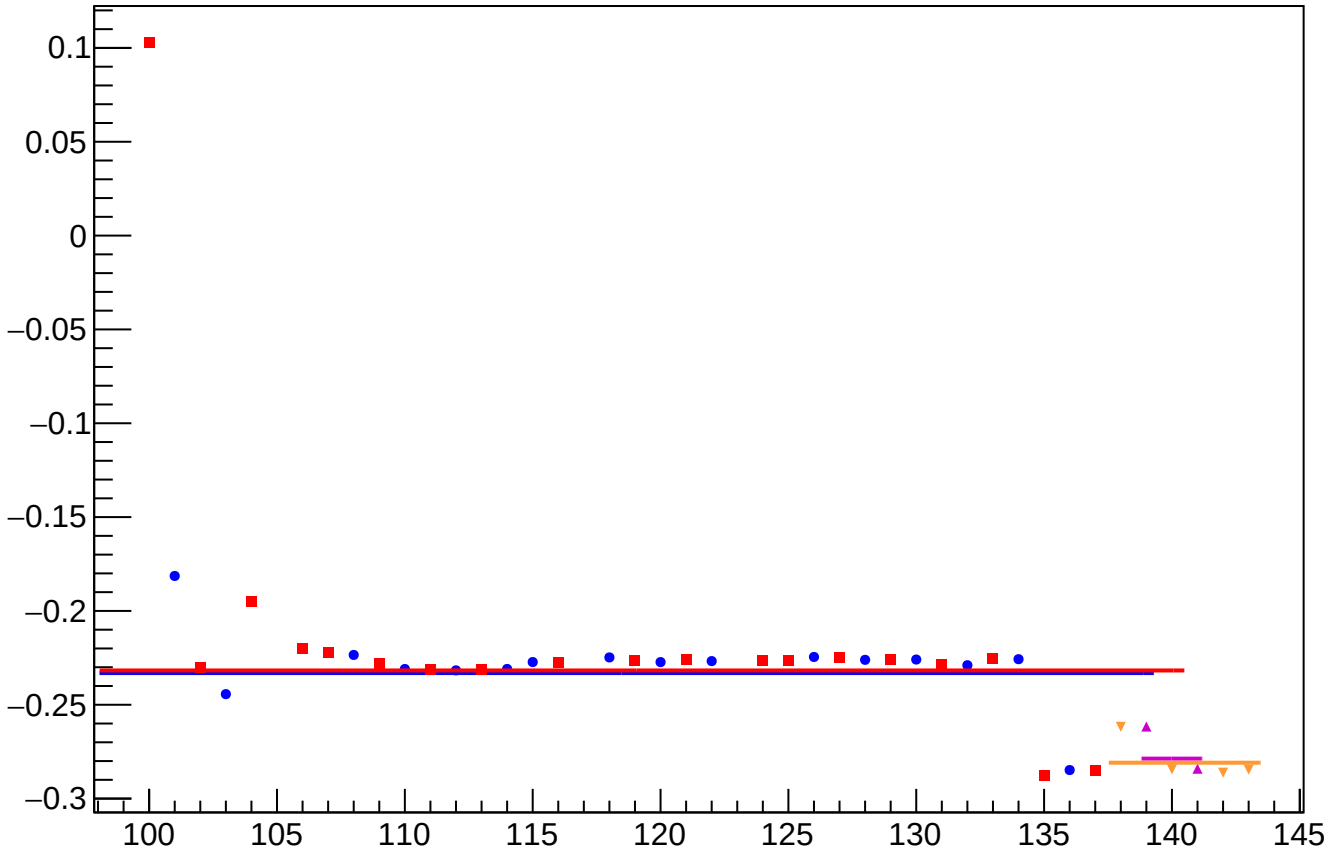
Left In: 0.011+/-0.000 χ^2/NDF:676261.8/1

+ sign 0.011+/-0.000 χ^2/NDF: 2218597.4/19

All: 0.011+/-0.000 χ^2/NDF: 5258043.4/40

- sign 0.012+/-0.000 χ^2/NDF: 2950495.0/20

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.281+/-0.000 χ^2/NDF:9517260.5/3

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

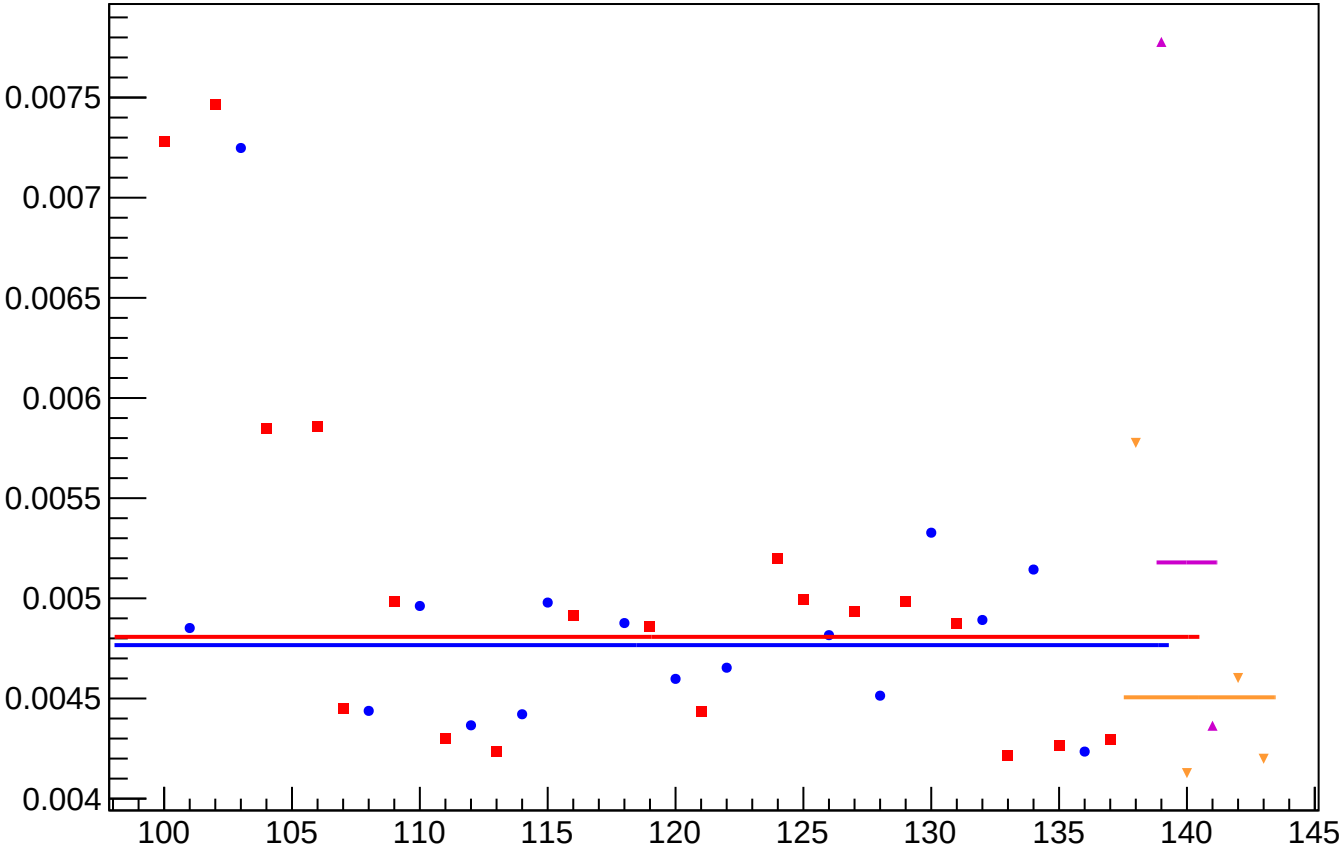
Left In: -0.279+/-0.000 χ^2/NDF:5089024.7/1

+ sign -0.248+/-0.000 χ^2/NDF: 407495229.9/19

All: -0.244+/-0.000 χ^2/NDF: 816256523.4/40

- sign -0.239+/-0.000 χ^2/NDF: 395078378.2/20

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:90018.2/3

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

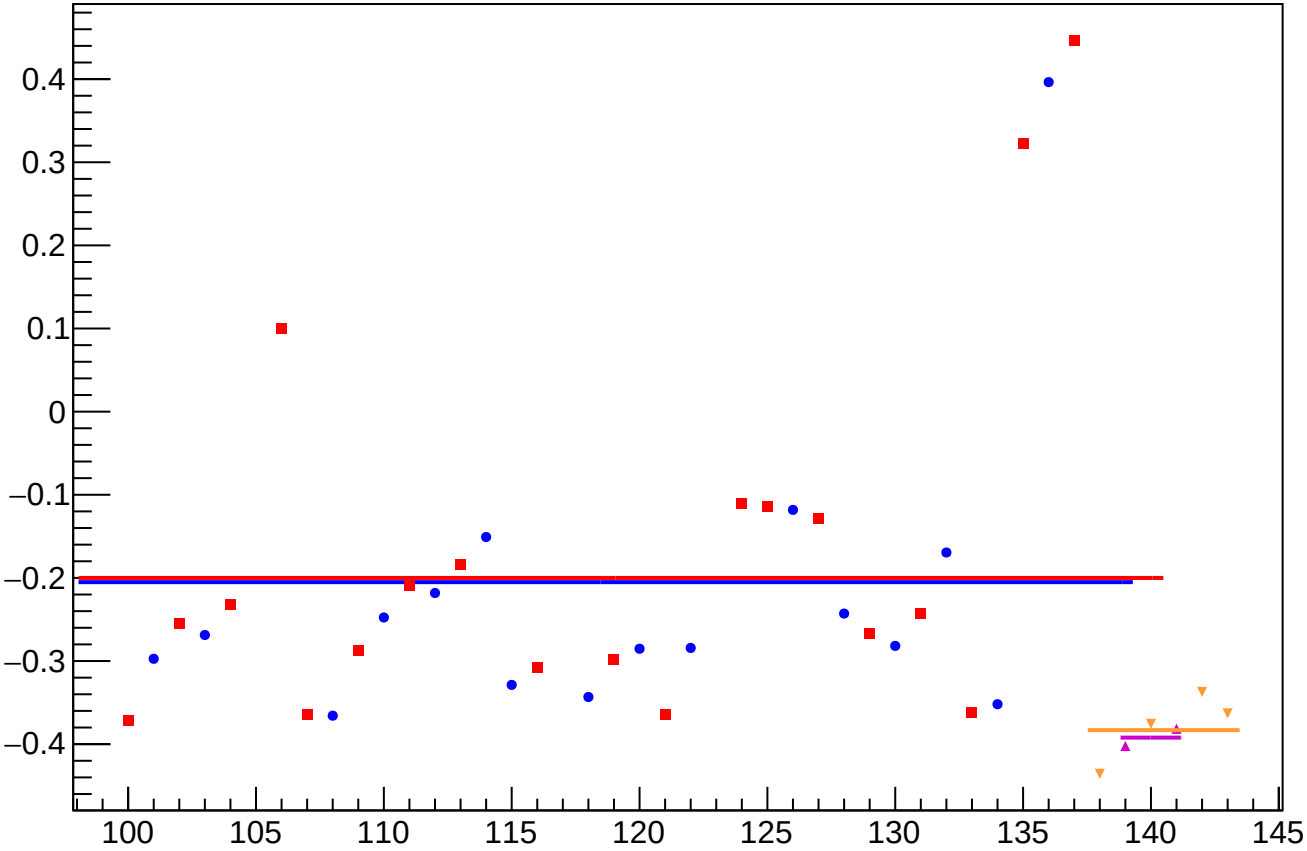
Left In: 0.005+/-0.000 χ^2/NDF:234830.3/1

+ sign 0.005+/-0.000 χ^2/NDF: 293612.4/19

All: 0.005+/-0.000 χ^2/NDF: 847310.9/40

- sign 0.005+/-0.000 χ^2/NDF: 541418.2/20

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.383+/-0.000 χ^2/NDF:130940868.2/3

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

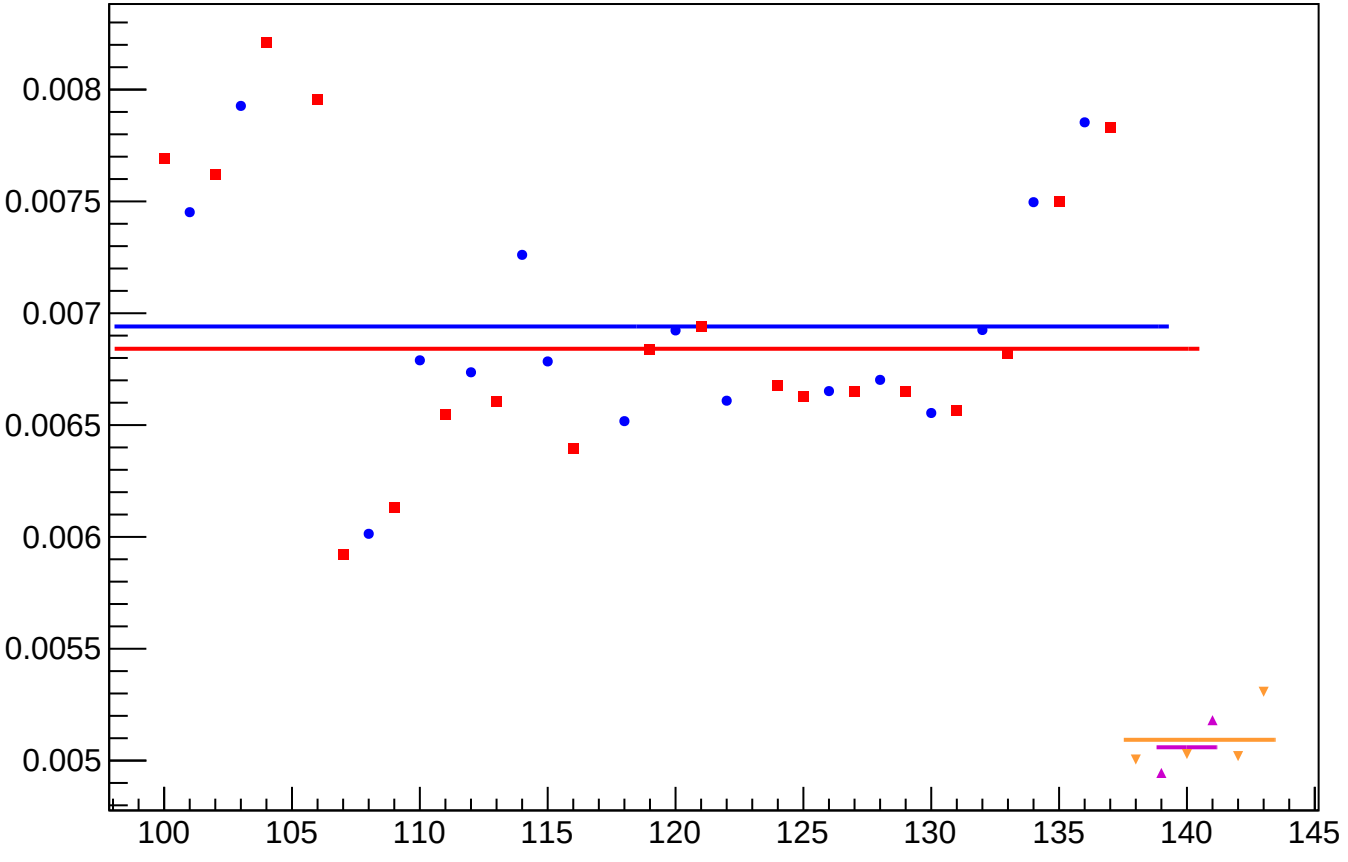
Left In: -0.392+/-0.000 χ^2/NDF:7005920.7/1

+ sign -0.280+/-0.000 χ^2/NDF: 8272414685.7/19

All: -0.270+/-0.000 χ^2/NDF: 15285133715.4/

- sign -0.257+/-0.000 χ^2/NDF: 6950835814.0/20

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:3450.1/3

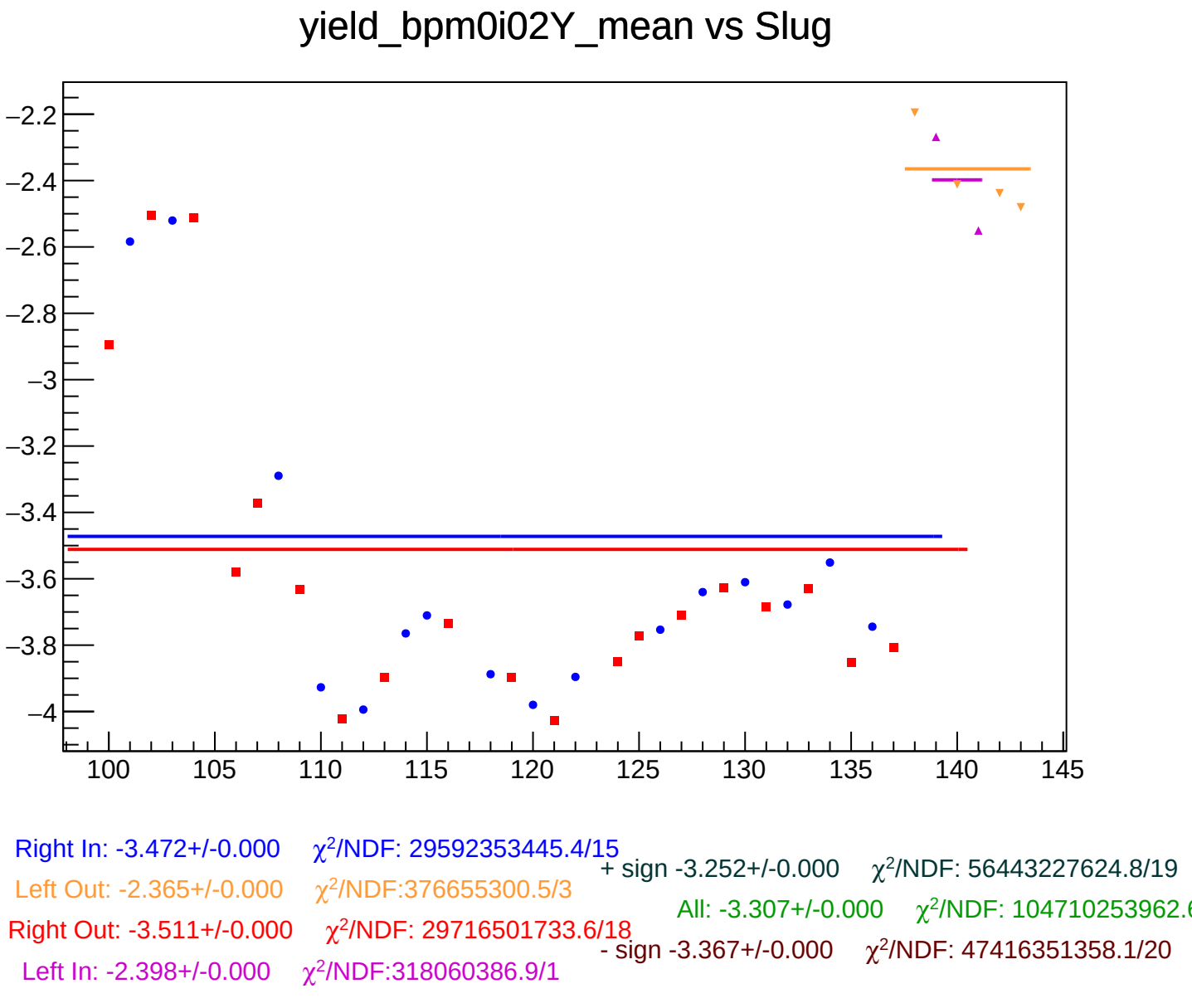
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1817.3/1

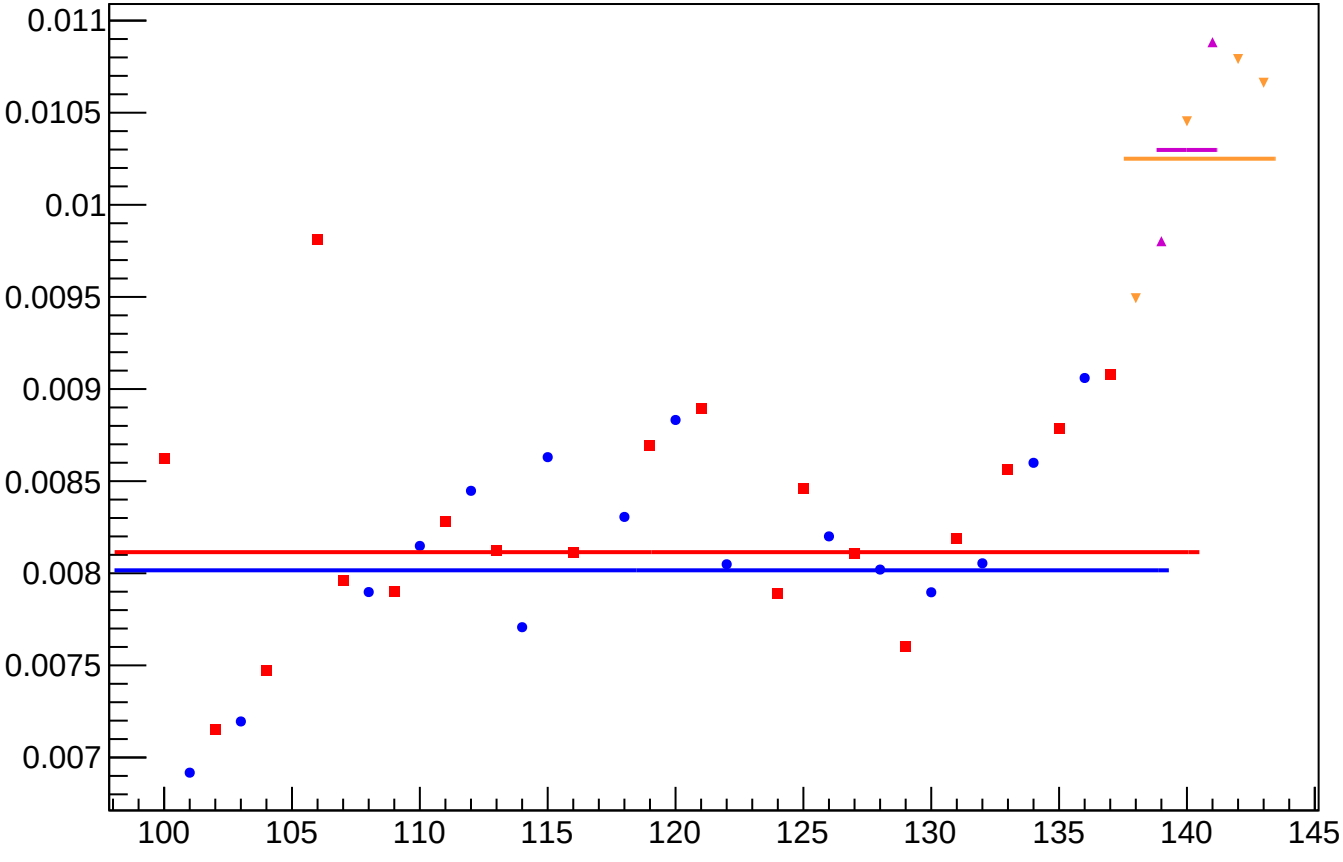
\+ sign 0.006+/-0.000 χ^2/NDF: 509280.5/19

All: 0.006+/-0.000 χ^2/NDF: 907631.6/40

\- sign 0.006+/-0.000 χ^2/NDF: 393122.7/20


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: -2.365+/-0.000 χ²/NDF:376655300.5/3
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.398+/-0.000 χ²/NDF:318060386.9/1
+ sign -3.252+/-0.000 χ²/NDF: 56443227624.8/19
All: -3.307+/-0.000 χ²/NDF: 104710253962.6
- sign -3.367+/-0.000 χ²/NDF: 47416351358.1/20

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:14971.5/3

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

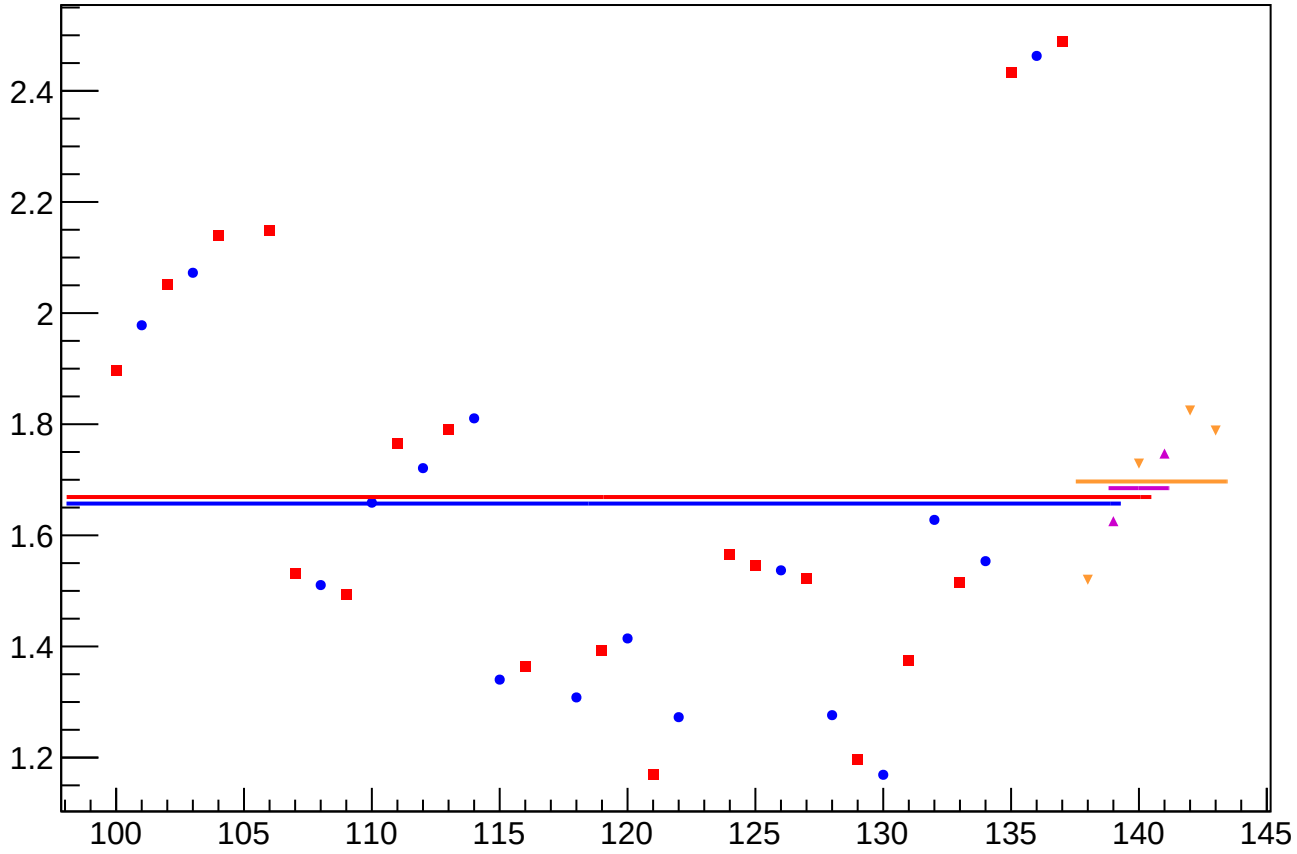
Left In: 0.010+/-0.000 χ^2/NDF:9333.0/1

+ sign 0.008+/-0.000 χ^2/NDF: 316700.9/19

All: 0.008+/-0.000 χ^2/NDF: 531226.8/40

- sign 0.008+/-0.000 χ^2/NDF: 214032.6/20

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.697+/-0.000 χ^2/NDF:303713224.3/3

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

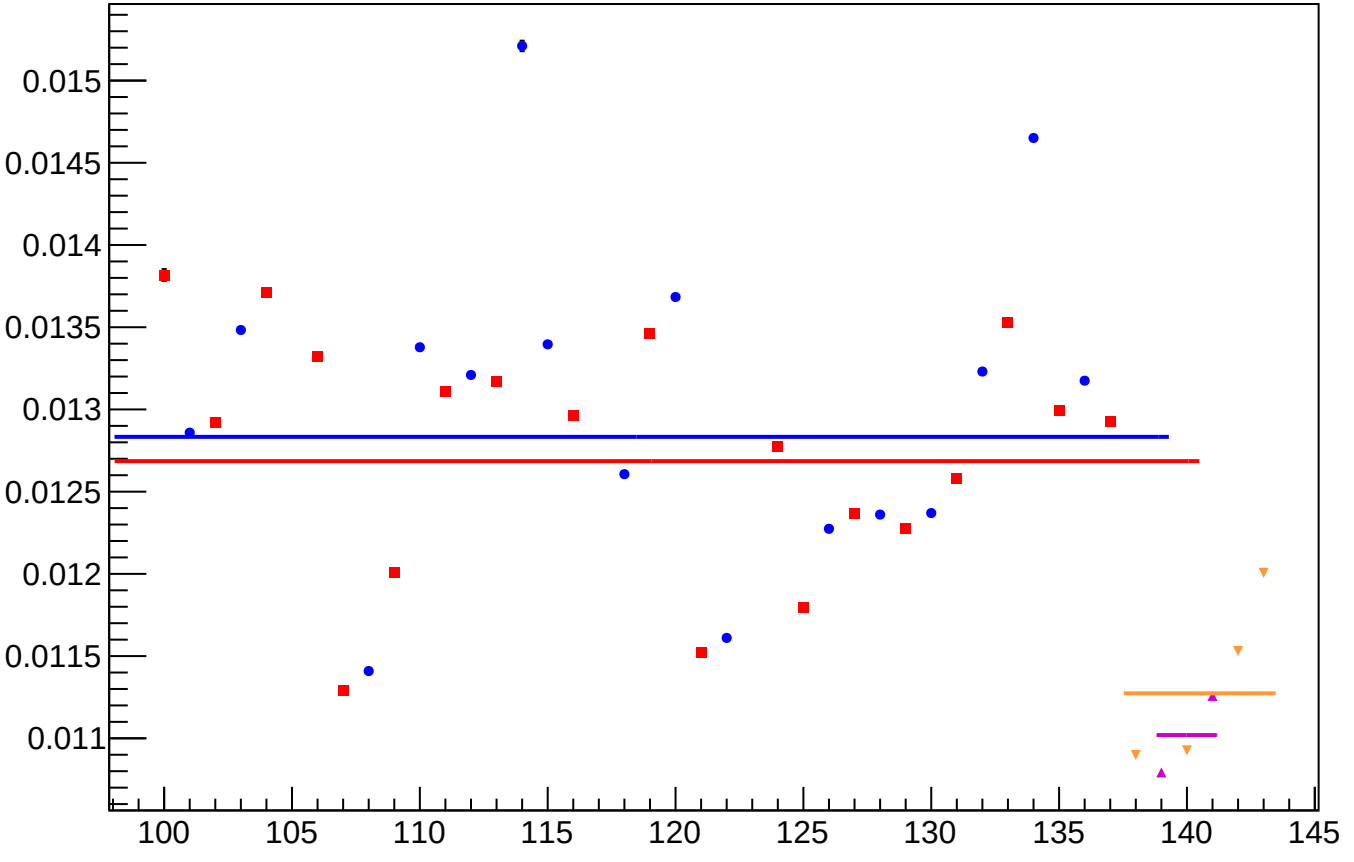
Left In: 1.685+/-0.000 χ^2/NDF:51529960.7/1

+ sign 1.671+/-0.000 χ^2/NDF: 6992639809.2/19

All: 1.672+/-0.000 χ^2/NDF: 13404610394.8/4

- sign 1.673+/-0.000 χ^2/NDF: 6411835356.6/20

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:9632.9/3

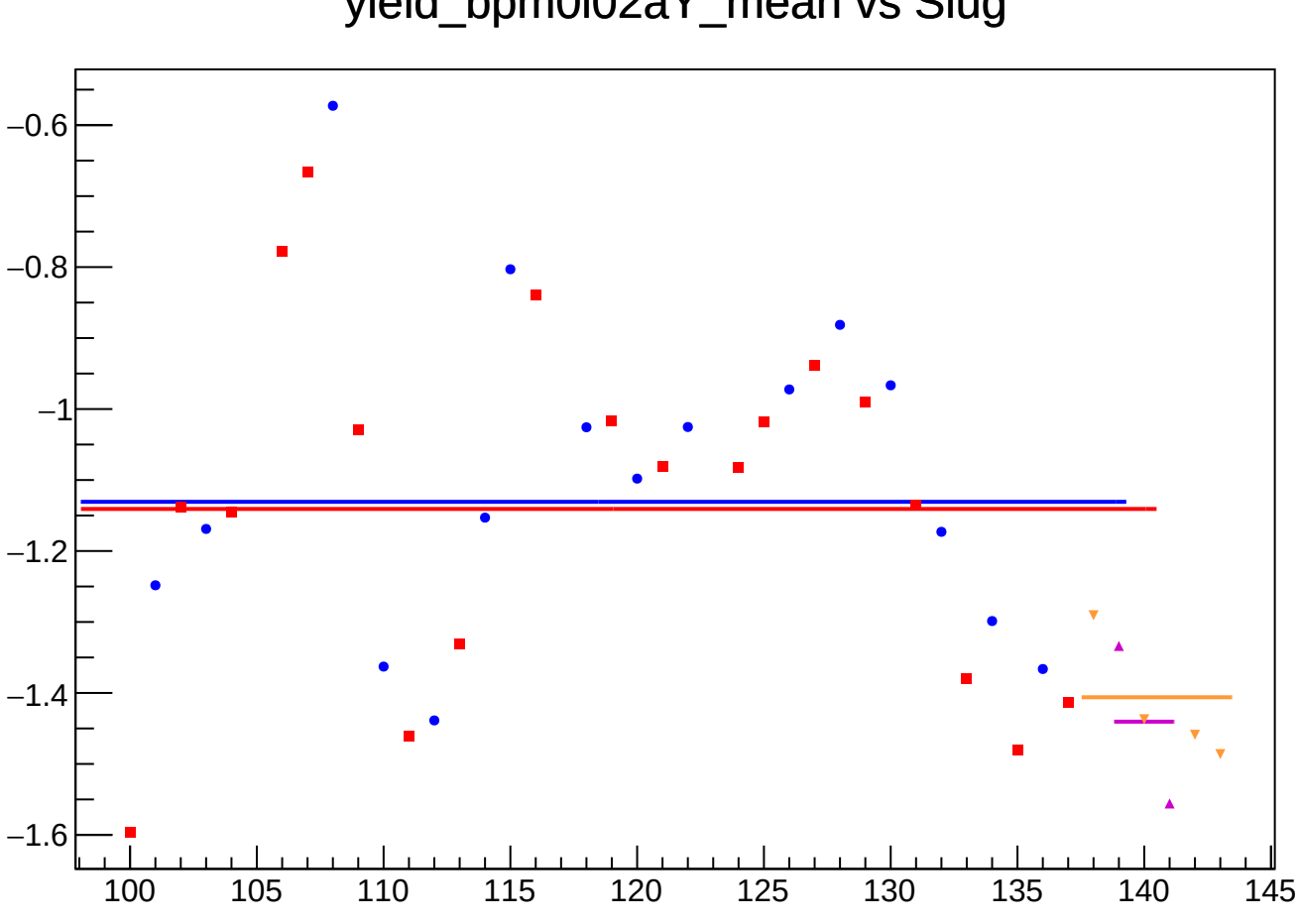
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:1508.1/1

+ sign 0.012+/-0.000 χ^2/NDF: 132322.6/19

All: 0.012+/-0.000 χ^2/NDF: 236105.0/40

- sign 0.012+/-0.000 χ^2/NDF: 103769.4/20



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.406+/-0.000 χ^2/NDF:261724442.4/3

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

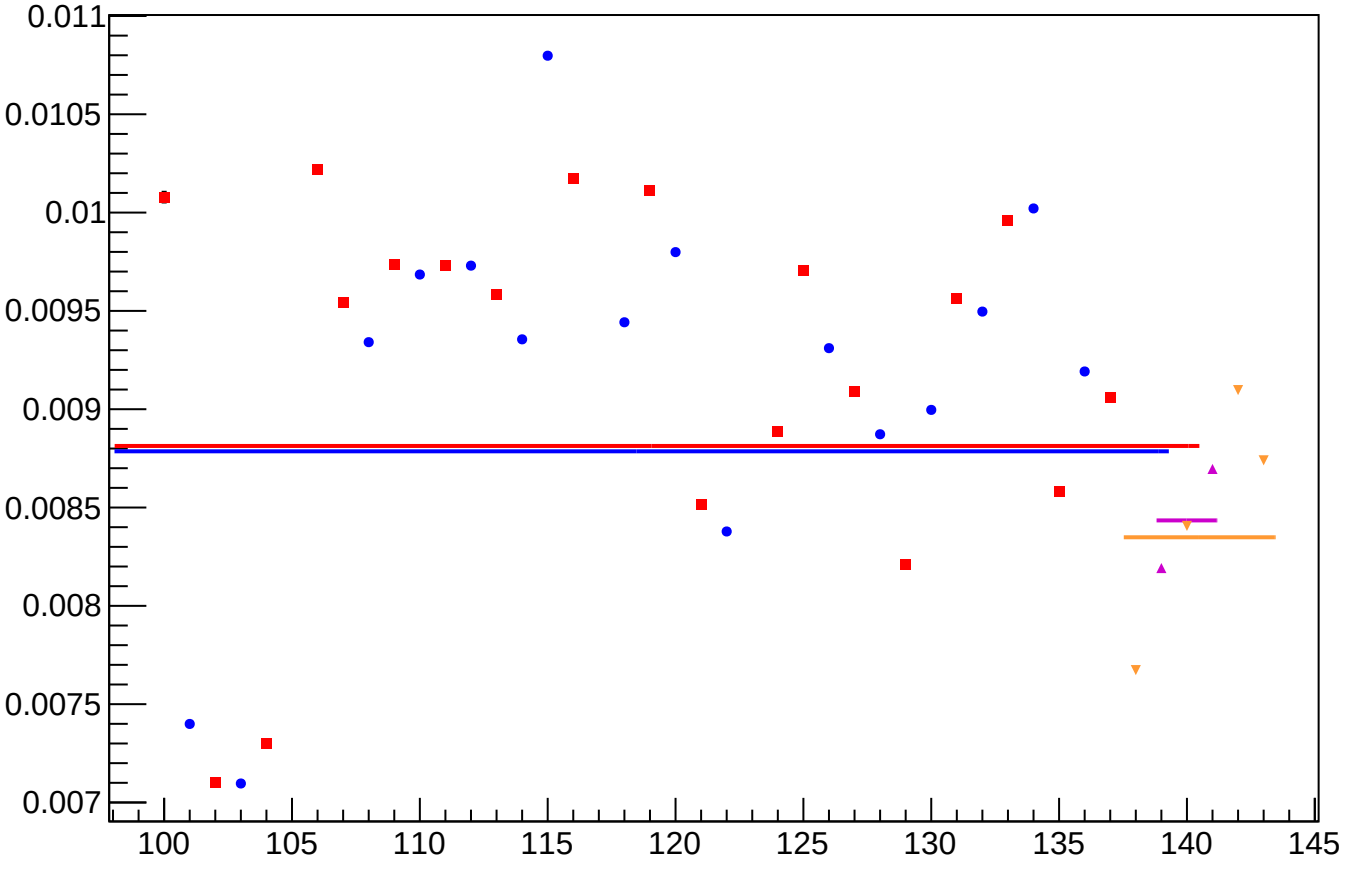
Left In: -1.440+/-0.000 χ^2/NDF:291581663.1/1

+ sign -1.216+/-0.000 χ^2/NDF: 6140588626.0/19

All: -1.210+/-0.000 χ^2/NDF: 11669023576.4/

- sign -1.204+/-0.000 χ^2/NDF: 5518905589.5/20

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:20581.9/3

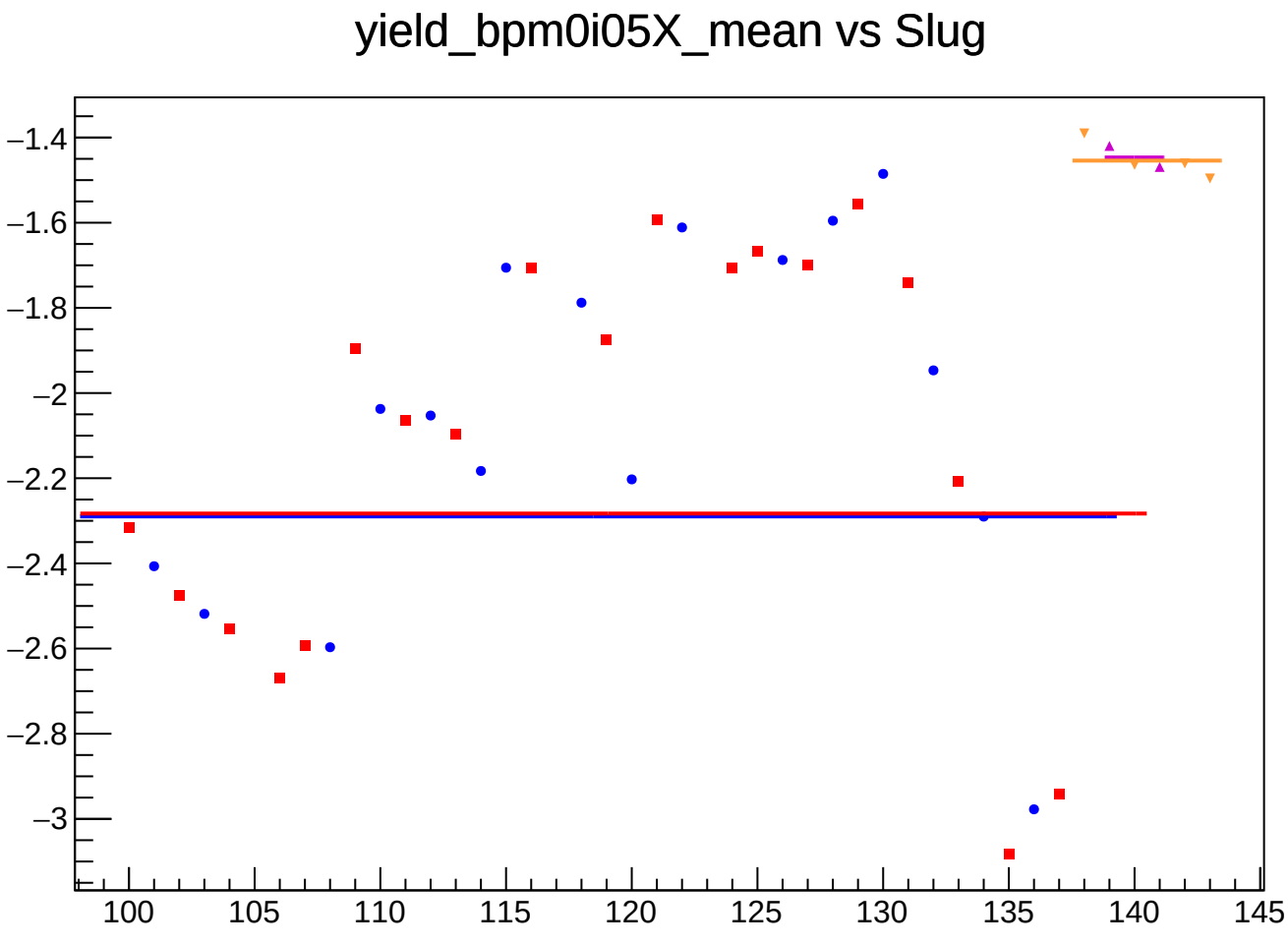
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:3009.0/1

+ sign 0.009+/-0.000 χ^2/NDF: 204590.0/19

All: 0.009+/-0.000 χ^2/NDF: 418257.0/40

- sign 0.009+/-0.000 χ^2/NDF: 212826.5/20



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.454+/-0.000 χ^2/NDF:48709705.1/3

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

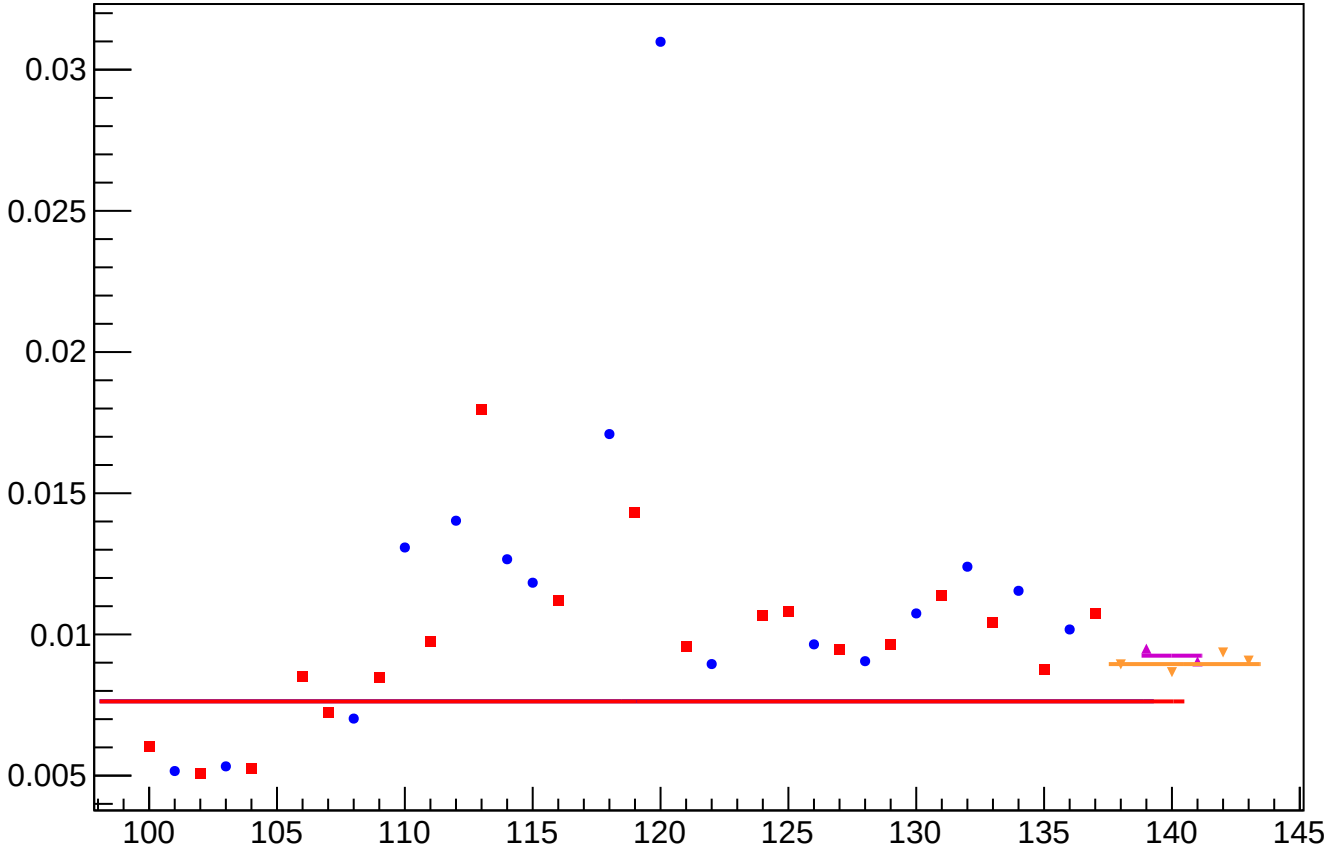
Left In: -1.447+/-0.000 χ^2/NDF:11035804.7/1

+ sign -2.069+/-0.000 χ^2/NDF: 31323821464.0/19

All: -2.108+/-0.000 χ^2/NDF: 59467729656.7/

- sign -2.148+/-0.000 χ^2/NDF: 27785122304.5/20

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:3449.6/3

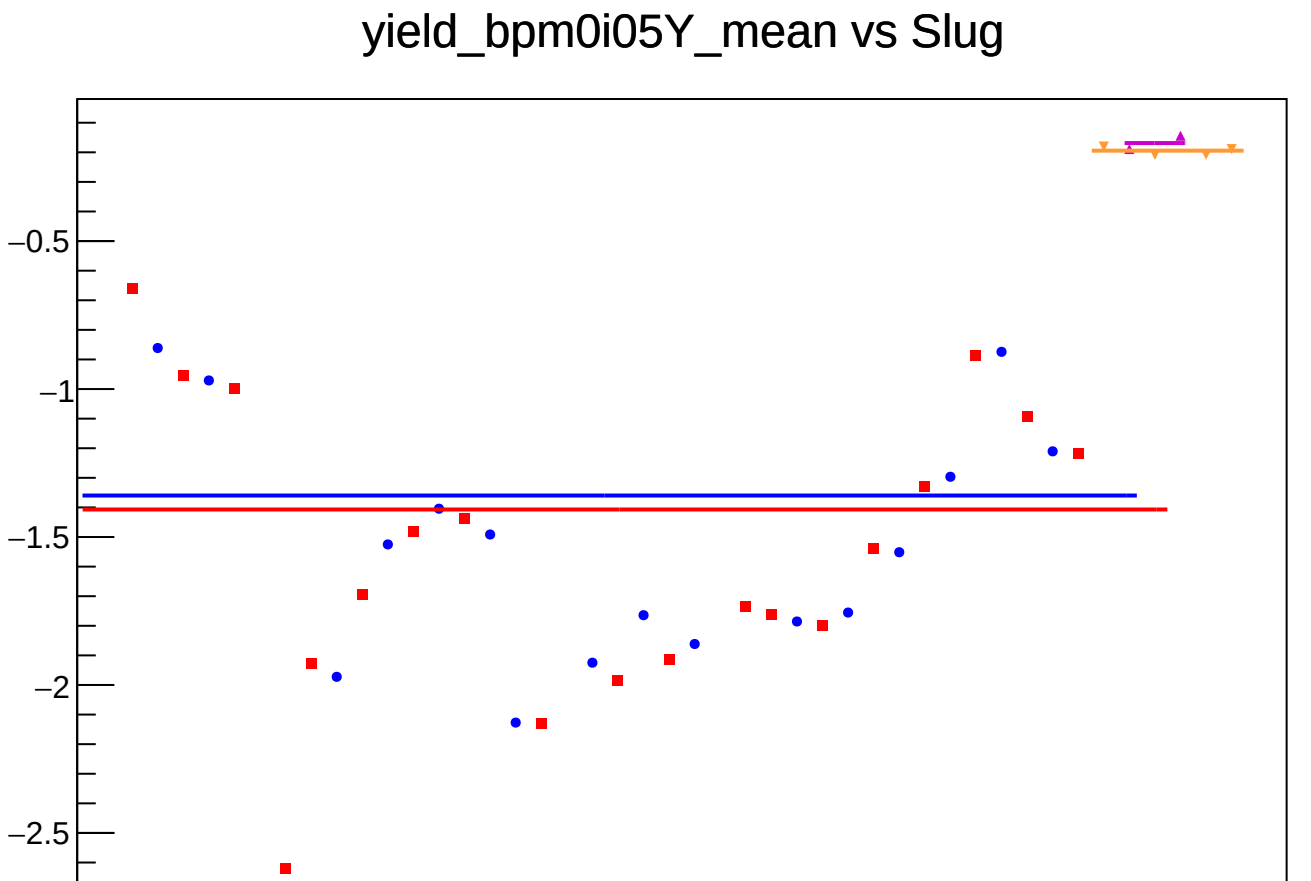
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1852.6/1

+ sign 0.008+/-0.000 χ^2/NDF: 1794020.0/19

All: 0.008+/-0.000 χ^2/NDF: 3195258.6/40

- sign 0.008+/-0.000 χ^2/NDF: 1400277.4/20



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.194+/-0.000 χ^2/NDF:20293250.1/3

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

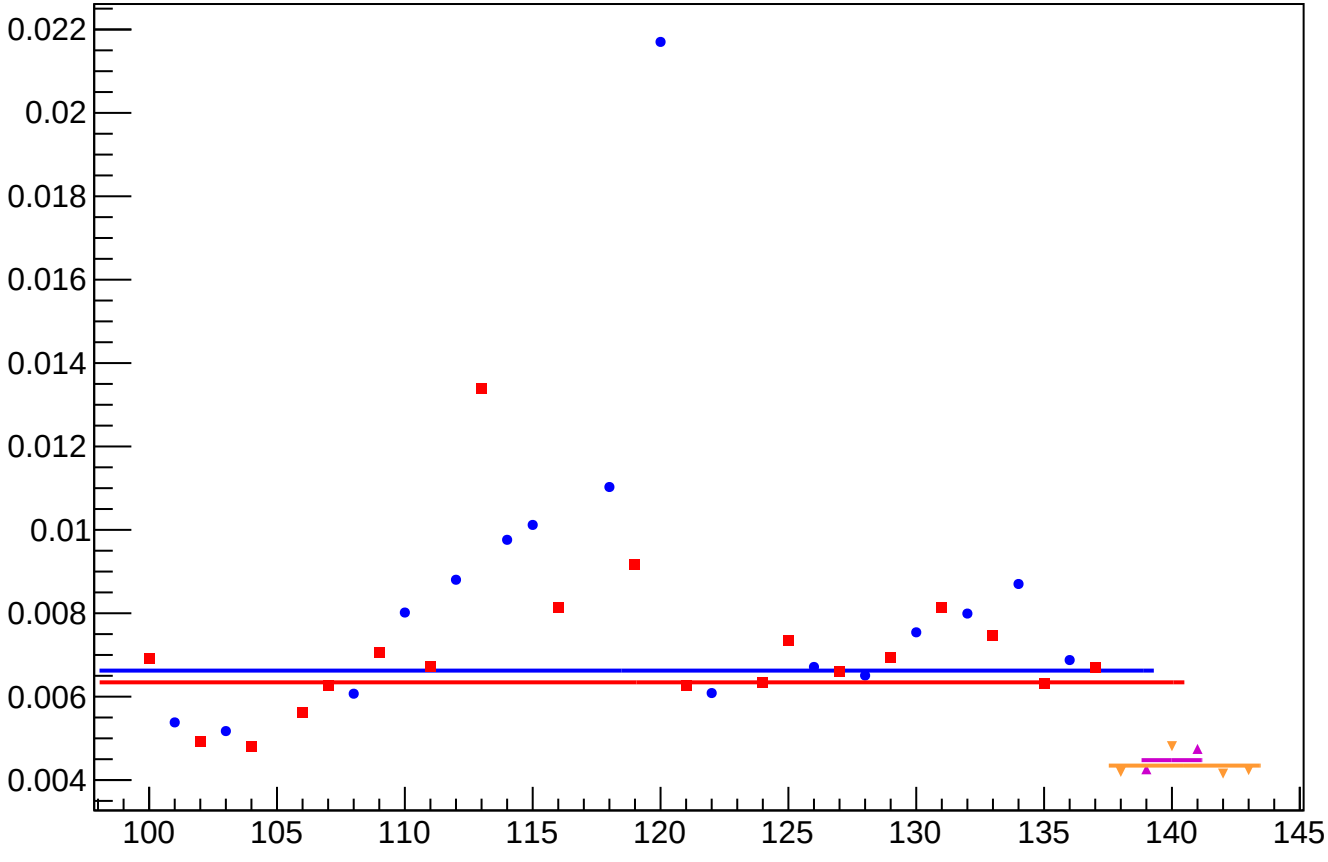
Left In: -0.169+/-0.000 χ^2/NDF:40266852.2/1

+ sign -0.759+/-0.000 χ^2/NDF: 113918728763.8/19

All: -0.861+/-0.000 χ^2/NDF: 230286712592.5

- sign -0.980+/-0.000 χ^2/NDF: 110211698219.1/20

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:19042.5/3

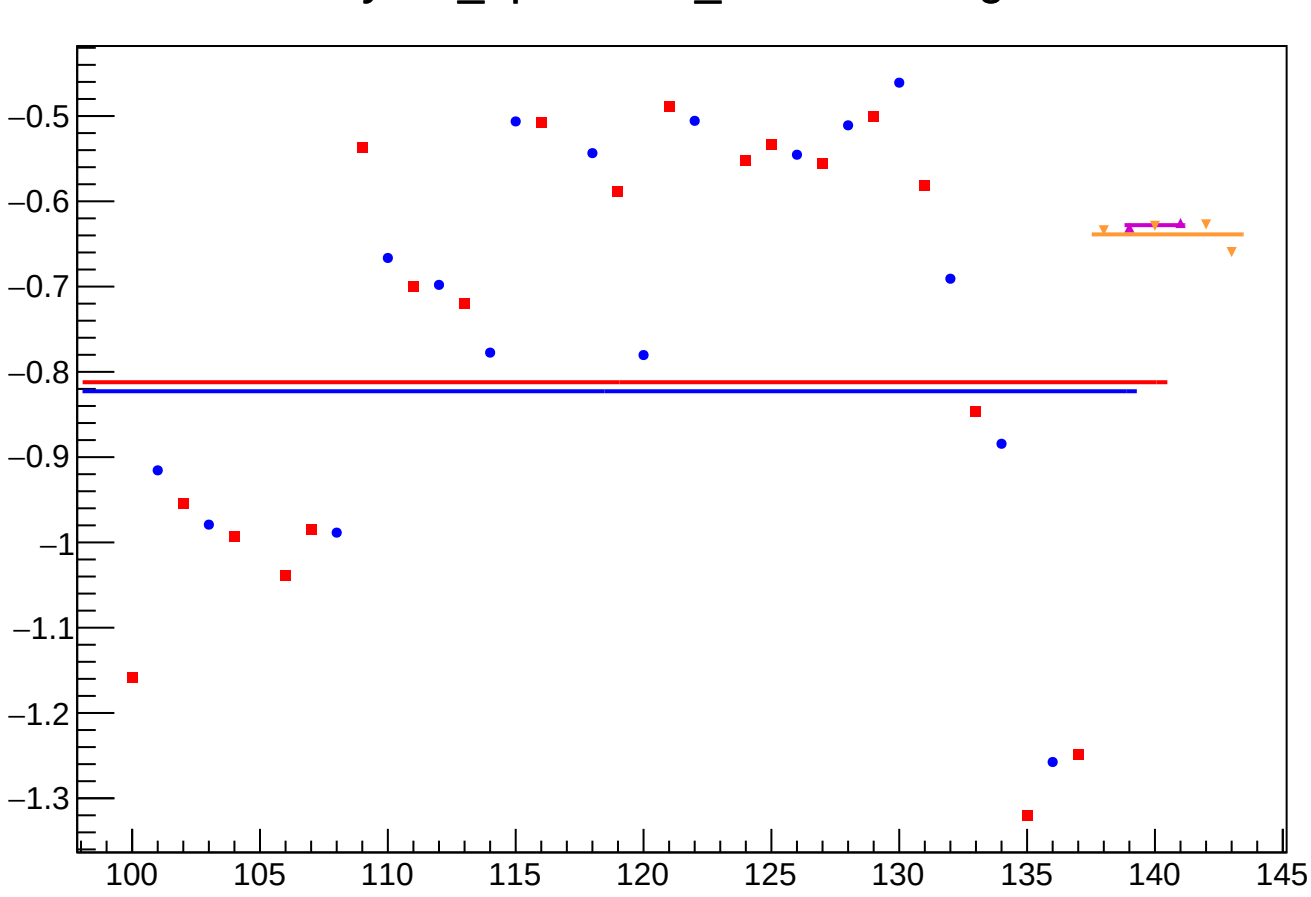
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:9410.4/1

+ sign 0.005+/-0.000 χ^2/NDF: 1419025.5/19

All: 0.006+/-0.000 χ^2/NDF: 2338211.8/40

- sign 0.006+/-0.000 χ^2/NDF: 903429.9/20



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.639+/-0.000 χ^2/NDF:12089822.7/3

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

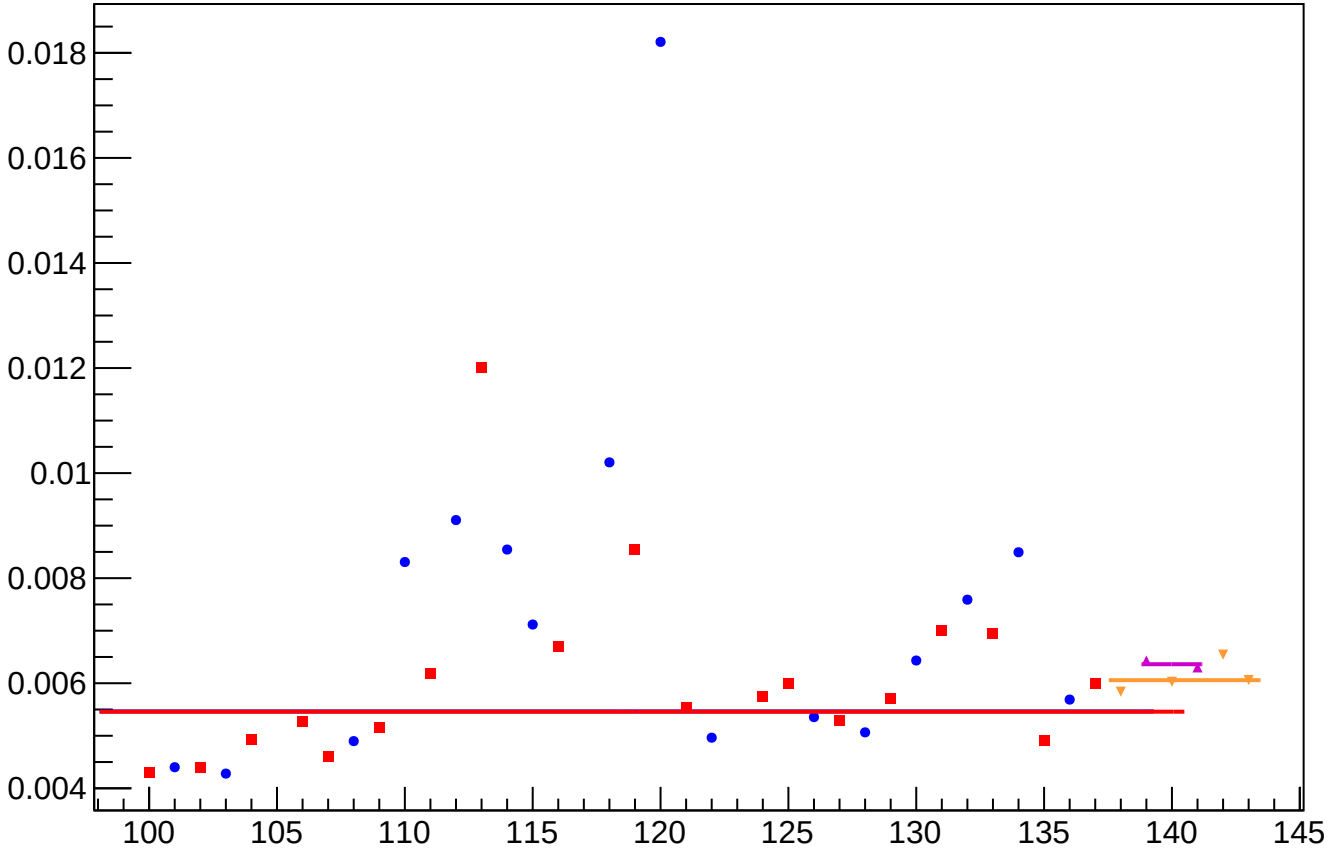
Left In: -0.628+/-0.000 χ^2/NDF:272960.2/1

+ sign -0.774+/-0.000 χ^2/NDF: 13905316632.2/19

All: -0.778+/-0.000 χ^2/NDF: 29828200604.3/

- sign -0.783+/-0.000 χ^2/NDF: 15912380870.2/20

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:6182.2/3

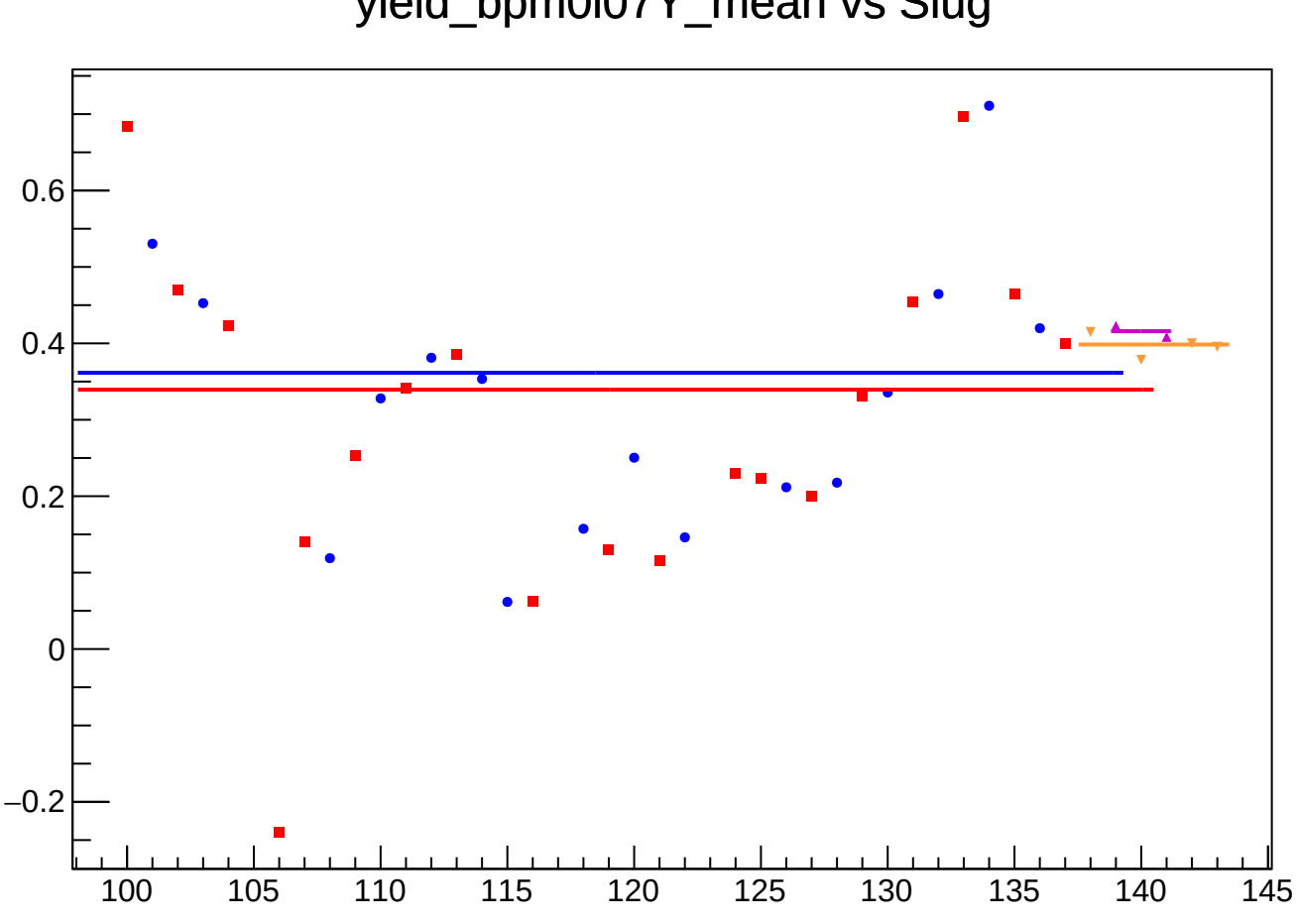
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:320.8/1

+ sign 0.006+/-0.000 χ^2/NDF: 1002512.7/19

All: 0.006+/-0.000 χ^2/NDF: 1563025.1/40

- sign 0.006+/-0.000 χ^2/NDF: 560413.0/20



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.398+/-0.000 χ^2/NDF:24093816.0/3

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

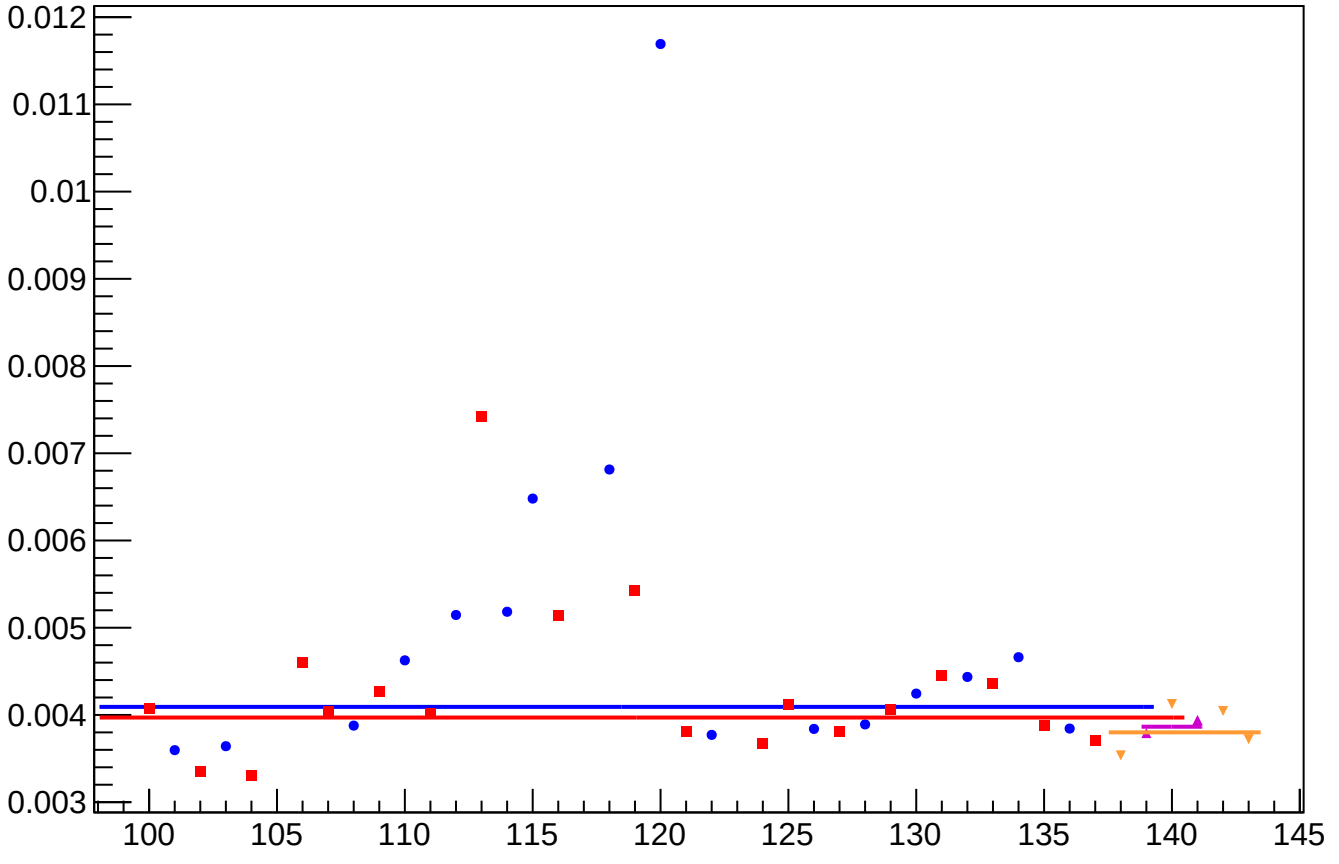
Left In: 0.416+/-0.000 χ^2/NDF:3732023.7/1

+ sign 0.371+/-0.000 χ^2/NDF: 8929243127.2/19

All: 0.361+/-0.000 χ^2/NDF: 21464620598.8/4

- sign 0.351+/-0.000 χ^2/NDF: 12438258252.2/20

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:14885.0/3

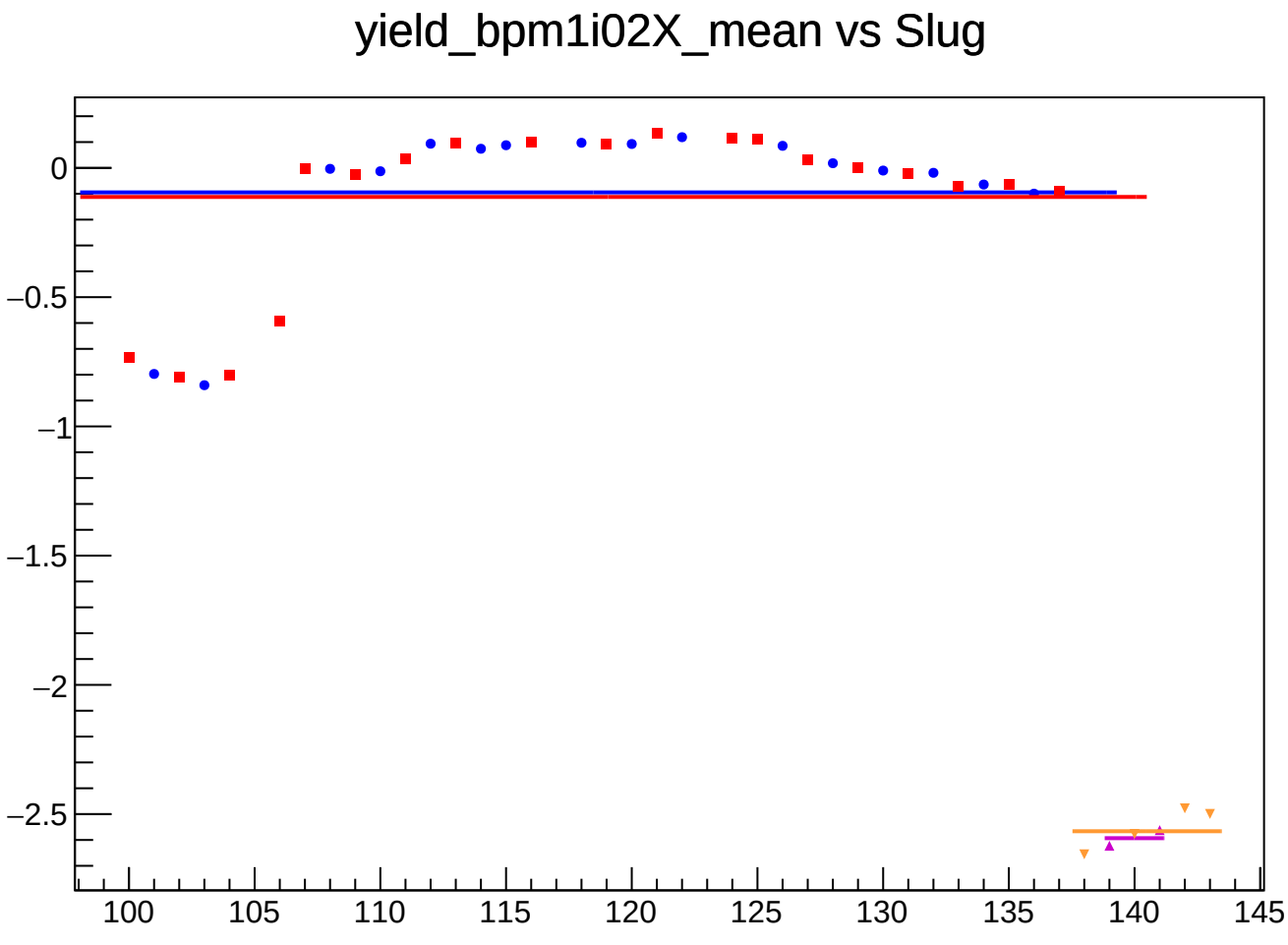
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

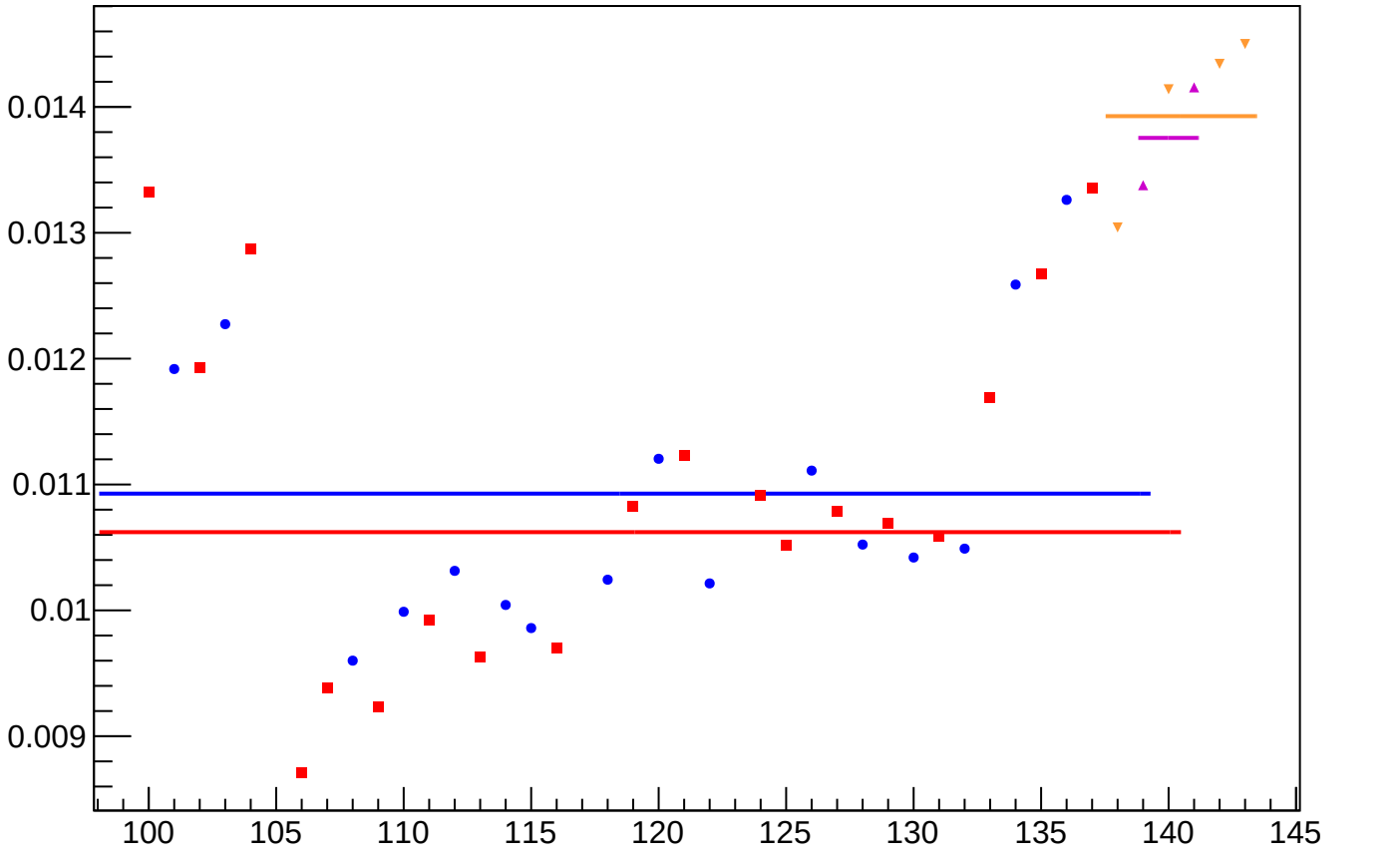
Left In: 0.004+/-0.000 χ^2/NDF:830.2/1

+ sign 0.004+/-0.000 χ^2/NDF: 522792.8/19

All: 0.004+/-0.000 χ^2/NDF: 840604.4/40

- sign 0.004+/-0.000 χ^2/NDF: 315907.3/20


yield_bpm1i02X_mean vs Slug
0
−0.5
−1
−1.5
−2
−2.5
100
105
110
115
120
125
130
135
140
145
Right In: -0.095+/-0.000 χ²/NDF: 5489721985.1/15
Left Out: -2.566+/-0.000 χ²/NDF:70312456.0/3
Right Out: -0.112+/-0.000 χ²/NDF: 6190163375.6/18
Left In: -2.593+/-0.000 χ²/NDF:8289410.7/1
+ sign -0.582+/-0.000 χ²/NDF: 77434509967.7/19
All: -0.499+/-0.000 χ²/NDF: 133857018618.3
- sign -0.416+/-0.000 χ²/NDF: 55392281890.9/20



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:10683.5/3

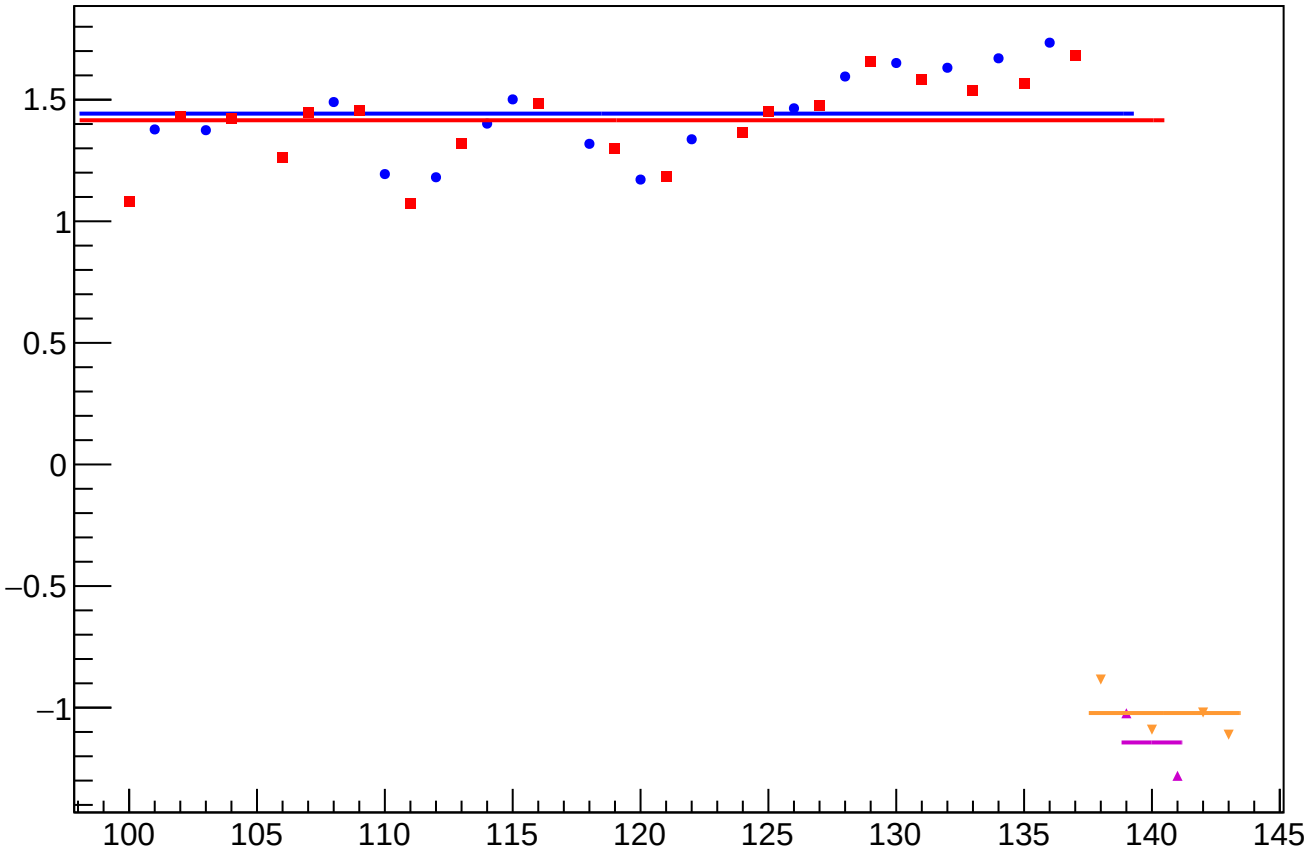
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.014+/-0.000 χ^2/NDF:2750.6/1

+ sign 0.012+/-0.000 χ^2/NDF: 358825.5/19

All: 0.011+/-0.000 χ^2/NDF: 728652.4/40

- sign 0.011+/-0.000 χ^2/NDF: 350136.6/20



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.022+/-0.000 χ^2/NDF:245251881.1/3

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

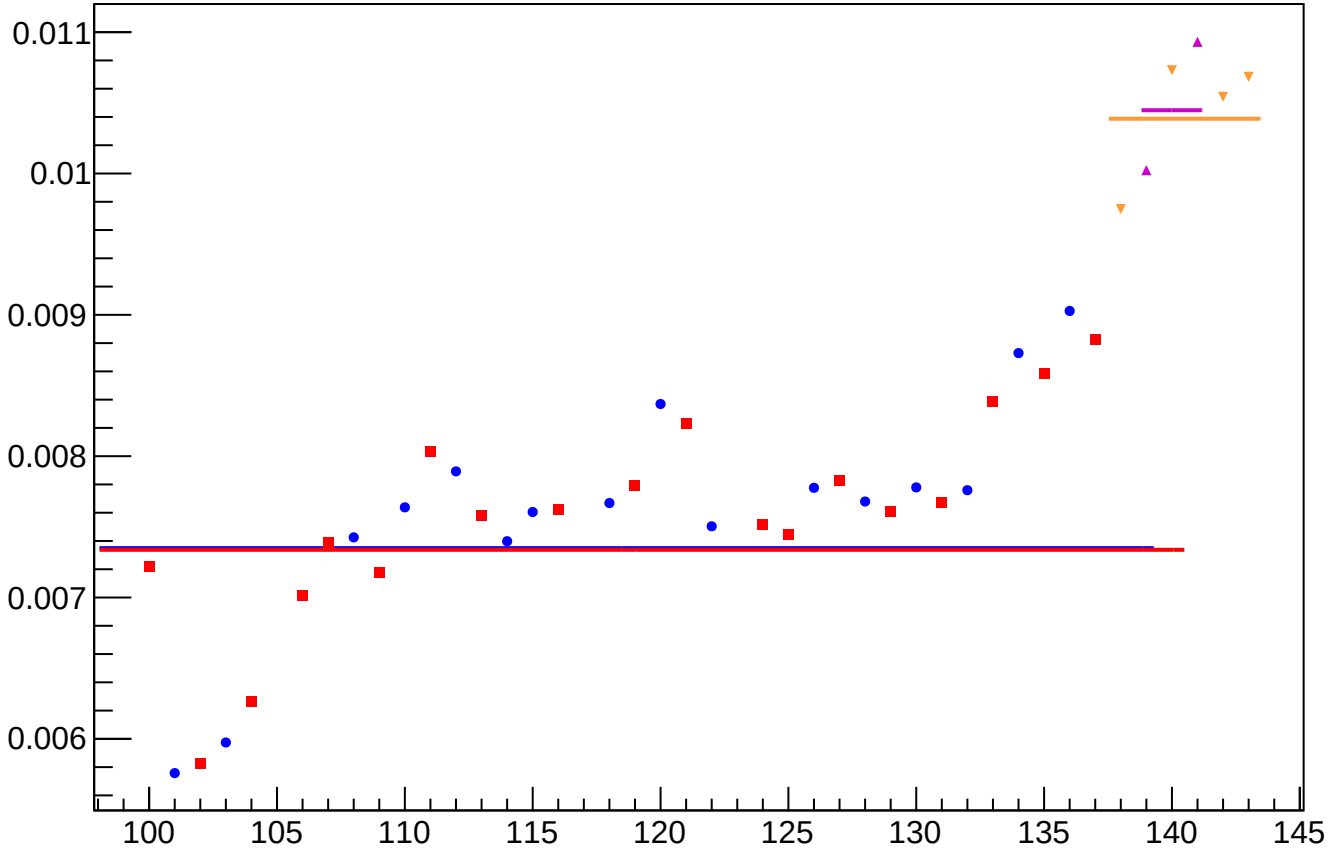
Left In: -1.143+/-0.000 χ^2/NDF:259988195.2/1

+ sign 1.027+/-0.000 χ^2/NDF: 137954256951.6/19

All: 1.088+/-0.000 χ^2/NDF: 234863755049.1

- sign 1.151+/-0.000 χ^2/NDF: 95723978409.0/20

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:9822.4/3

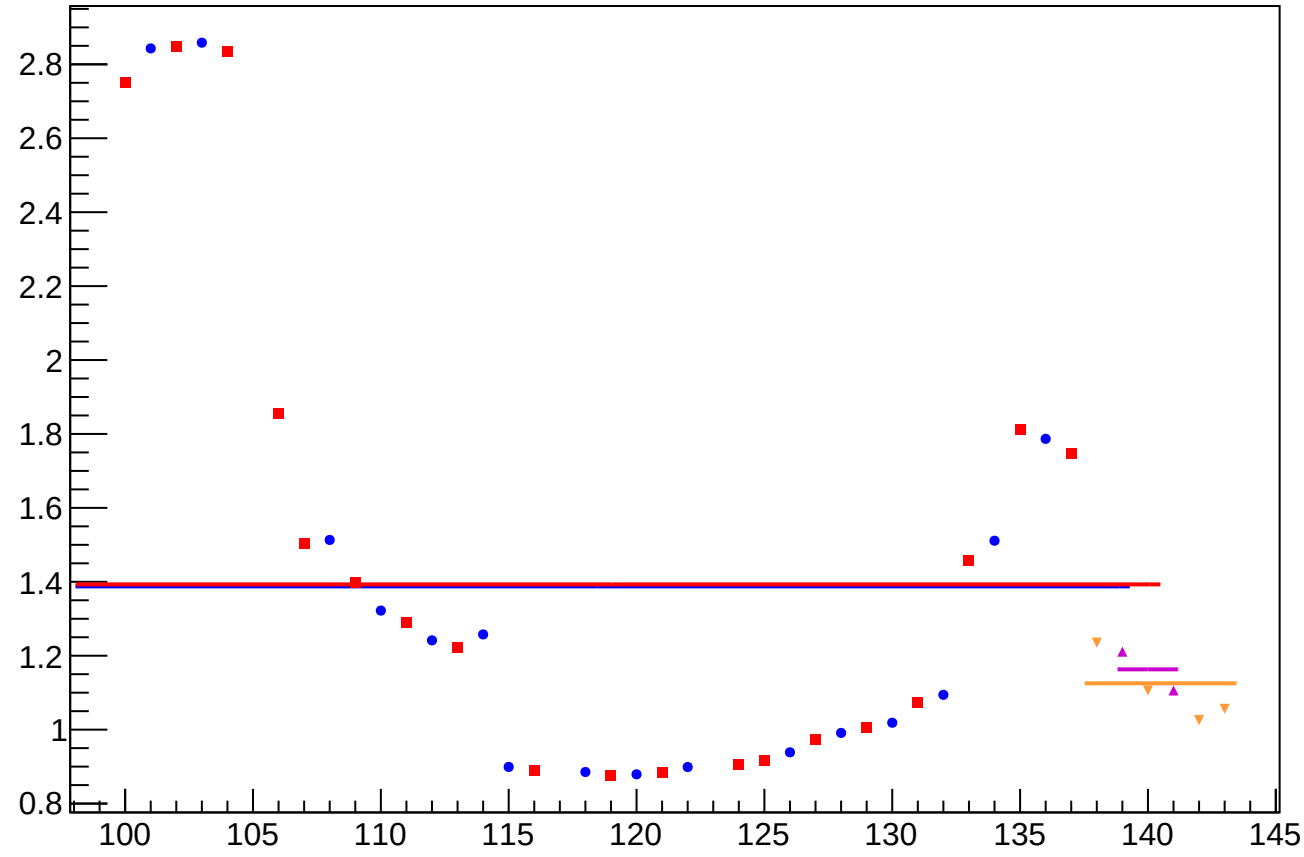
Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.010+/-0.000 χ^2/NDF:6478.5/1

+ sign 0.008+/-0.000 χ^2/NDF: 687769.8/19

All: 0.008+/-0.000 χ^2/NDF: 1169811.6/40

- sign 0.008+/-0.000 χ^2/NDF: 475689.8/20



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.125+/-0.000 χ^2/NDF:277692089.5/3

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

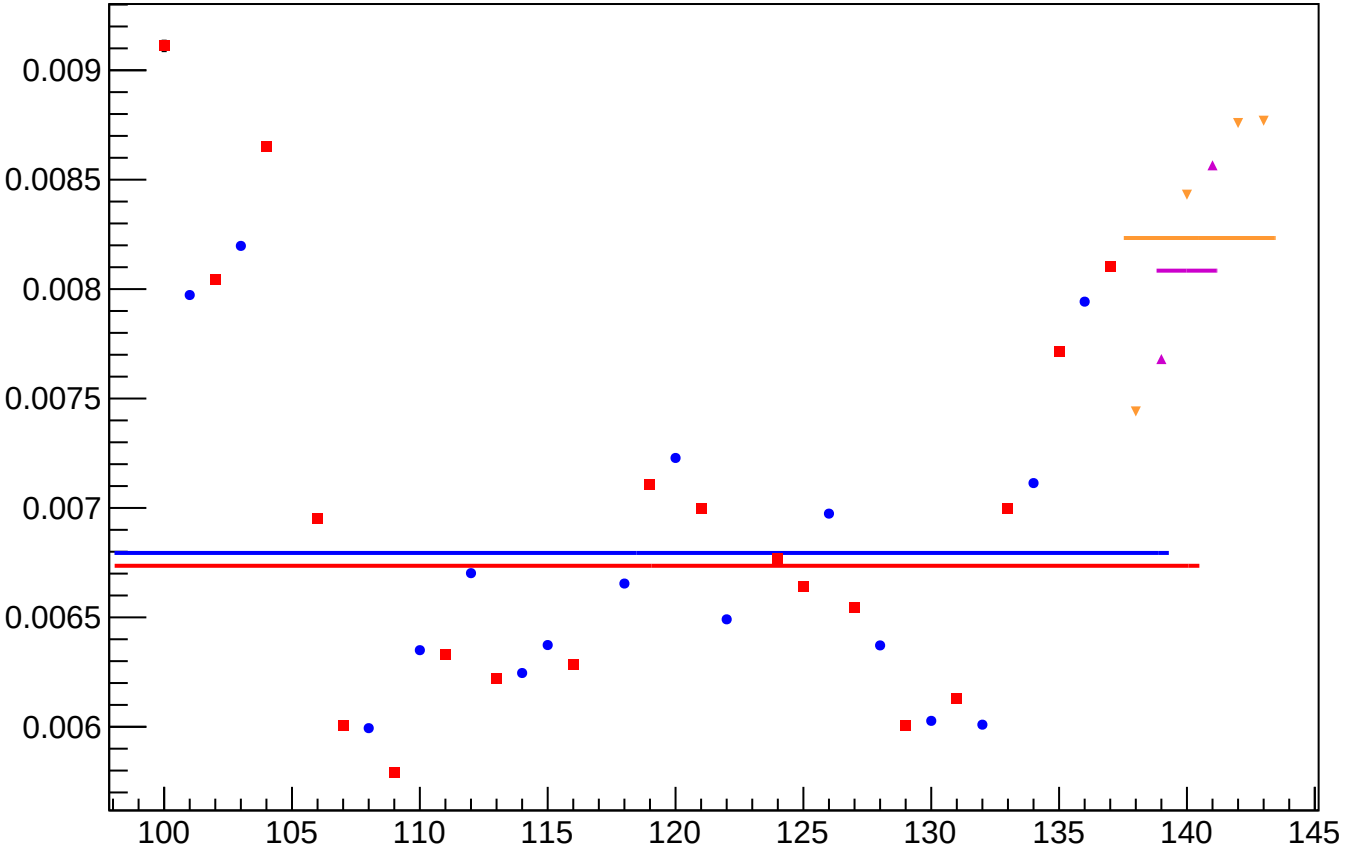
Left In: 1.163+/-0.000 χ^2/NDF:71387004.8/1

+ sign 1.332+/-0.000 χ^2/NDF: 61144538864.3/19

All: 1.346+/-0.000 χ^2/NDF: 117853286173.1

- sign 1.361+/-0.000 χ^2/NDF: 56625591908.8/20

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:27389.8/3

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

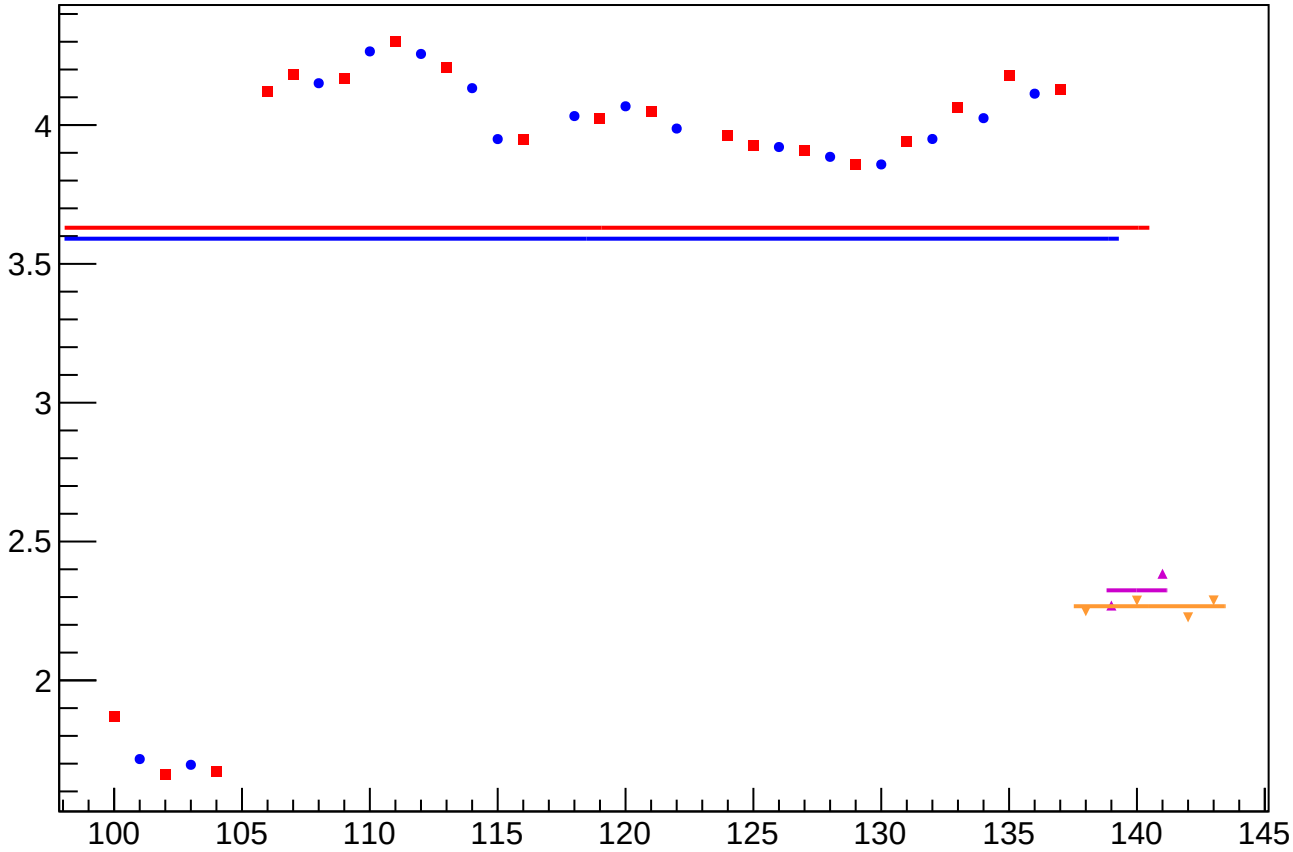
Left In: 0.008+/-0.000 χ^2/NDF:10156.6/1

+ sign 0.007+/-0.000 χ^2/NDF: 327727.4/19

All: 0.007+/-0.000 χ^2/NDF: 624309.1/40

- sign 0.007+/-0.000 χ^2/NDF: 290470.7/20

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.267+/-0.000 χ^2/NDF:30481948.9/3

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

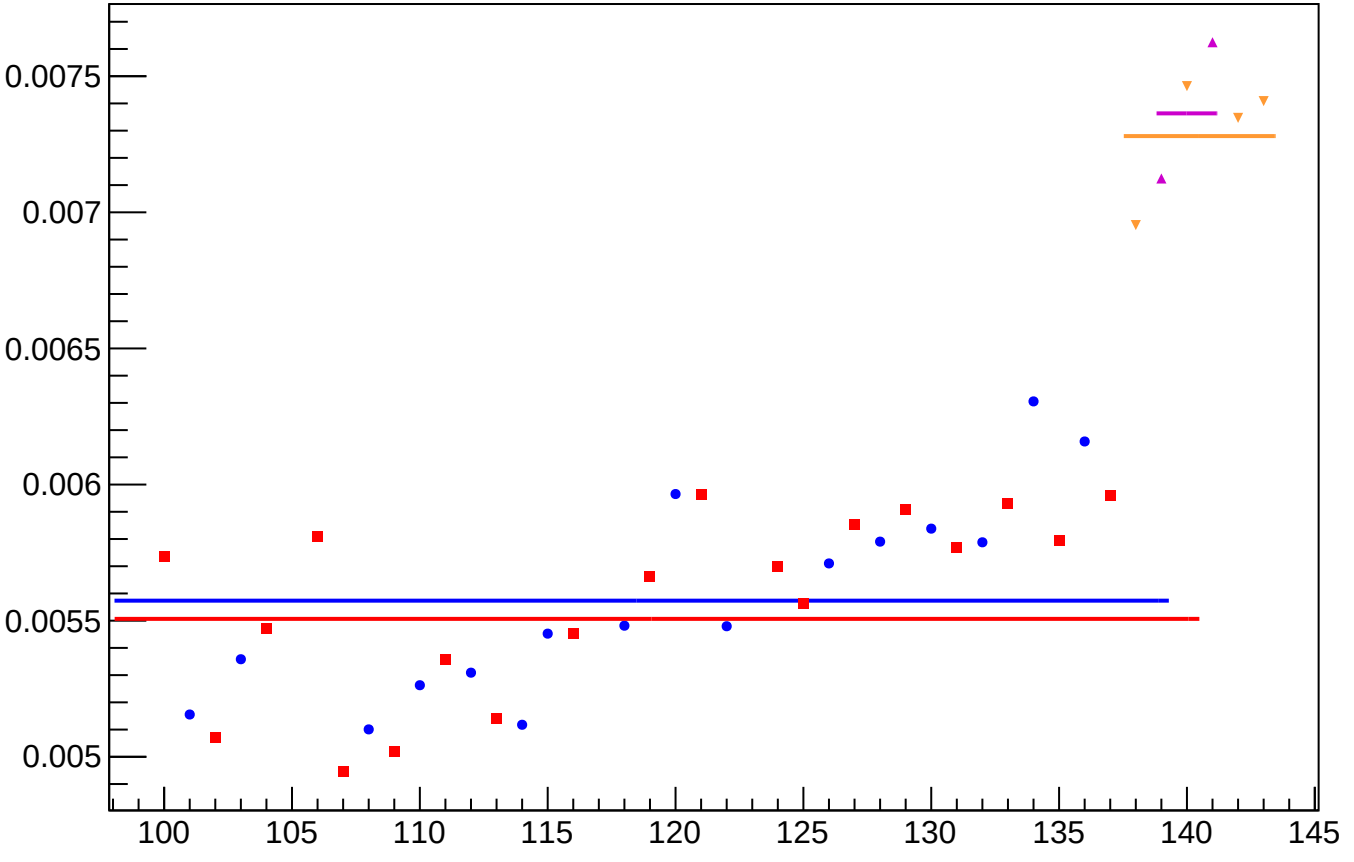
Left In: 2.324+/-0.000 χ^2/NDF:103716002.6/1

+ sign 3.341+/-0.000 χ^2/NDF: 278391889007.3/19

All: 3.408+/-0.000 χ^2/NDF: 541487958155.2

- sign 3.478+/-0.000 χ^2/NDF: 260489117450.6/20

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:4953.0/3

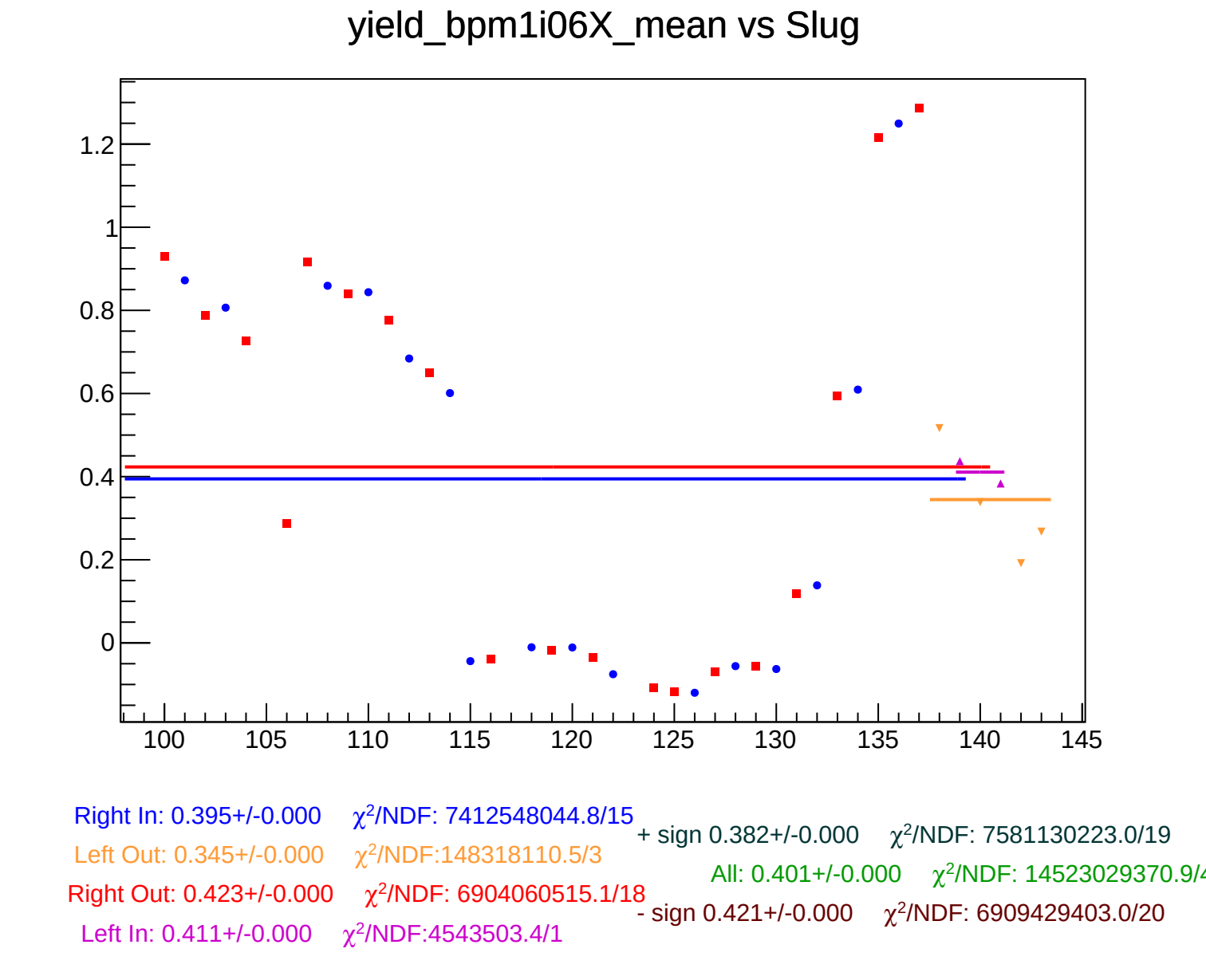
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.007+/-0.000 χ^2/NDF:3964.2/1

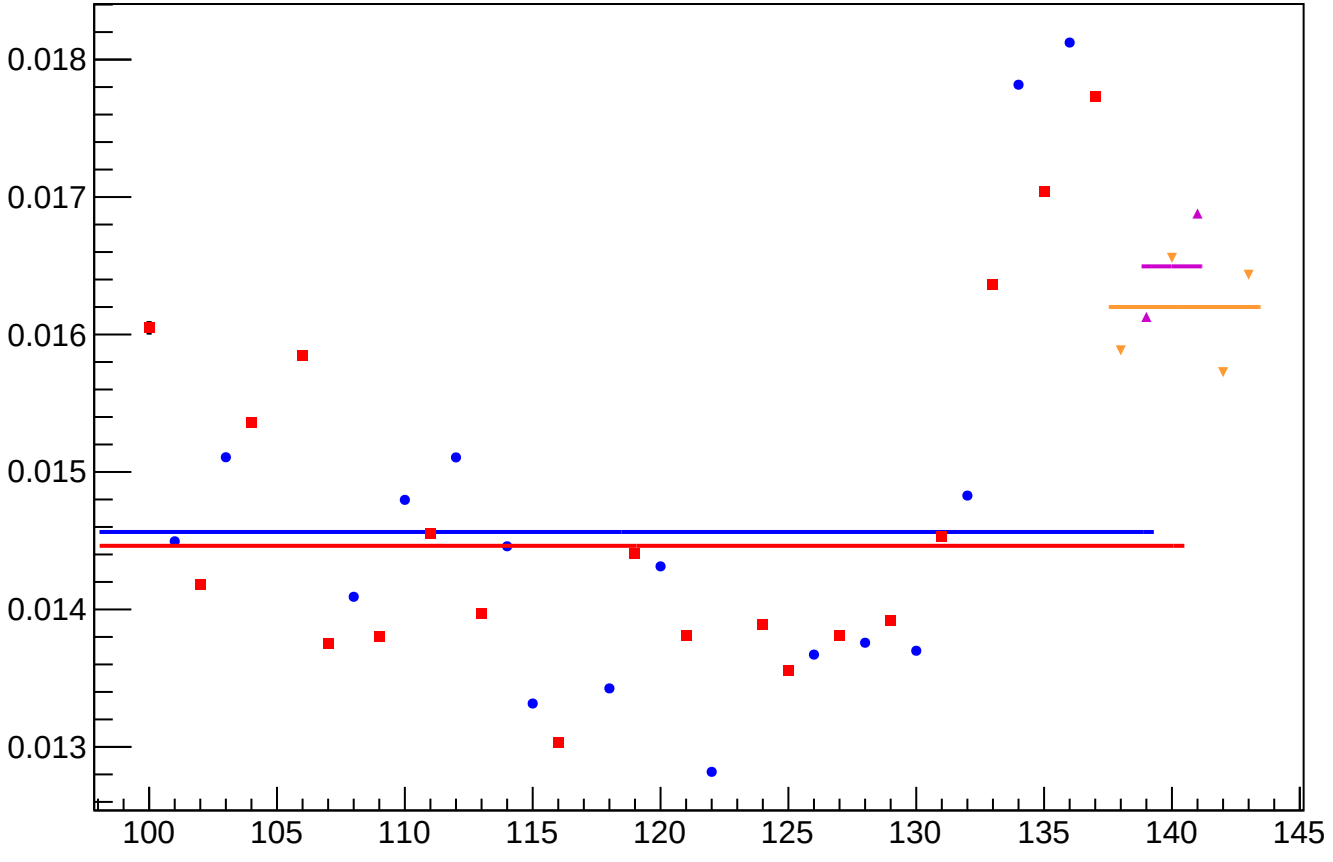
+ sign 0.006+/-0.000 χ^2/NDF: 317279.0/19

All: 0.006+/-0.000 χ^2/NDF: 580191.8/40

- sign 0.006+/-0.000 χ^2/NDF: 254649.5/20


yield_bpm1i06X_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.395+/-0.000 χ²/NDF: 7412548044.8/15
Left Out: 0.345+/-0.000 χ²/NDF:148318110.5/3
Right Out: 0.423+/-0.000 χ²/NDF: 6904060515.1/18
Left In: 0.411+/-0.000 χ²/NDF:4543503.4/1
+ sign 0.382+/-0.000 χ²/NDF: 7581130223.0/19
All: 0.401+/-0.000 χ²/NDF: 14523029370.9/4
- sign 0.421+/-0.000 χ²/NDF: 6909429403.0/20

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:2500.7/3

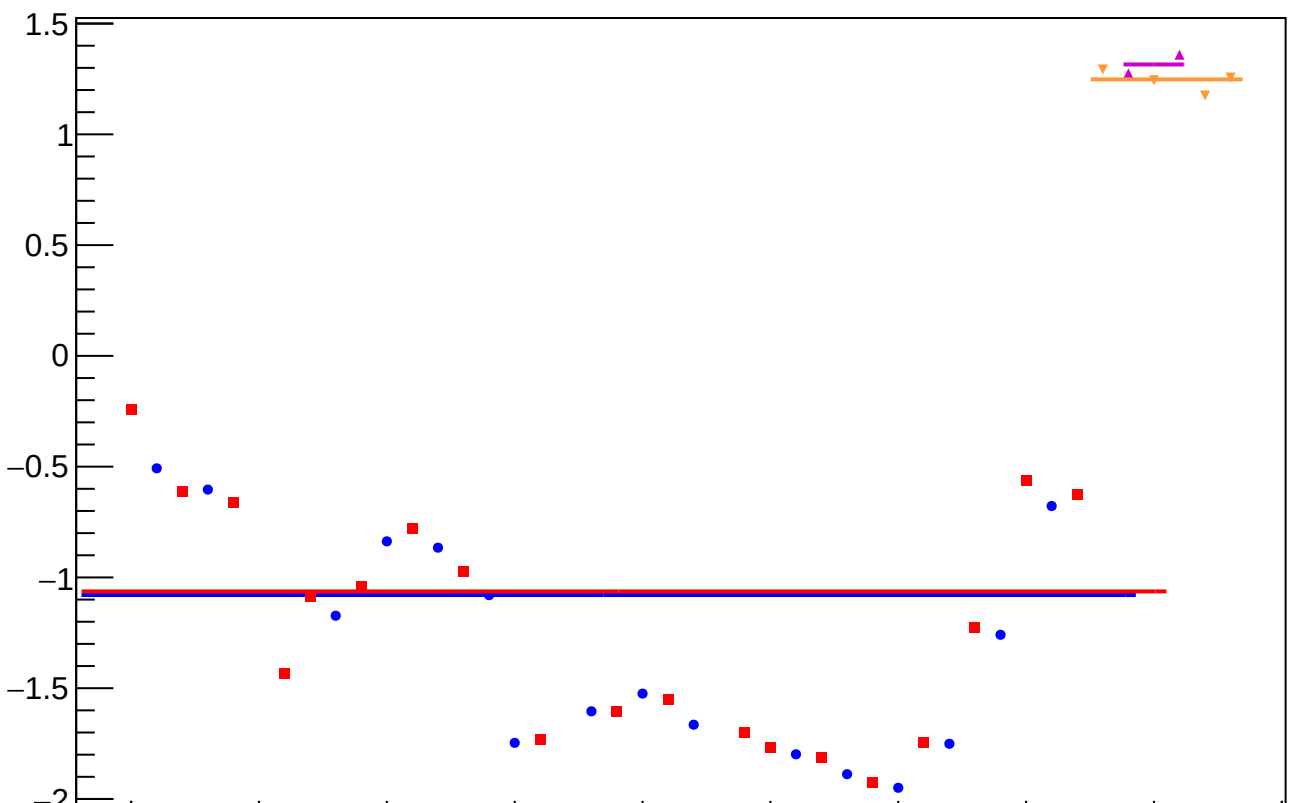
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:1786.1/1

+ sign 0.015+/-0.000 χ^2/NDF: 179396.9/19

All: 0.015+/-0.000 χ^2/NDF: 304293.4/40

- sign 0.015+/-0.000 χ^2/NDF: 123385.9/20



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.248+/-0.000 χ^2/NDF:270121954.9/3

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

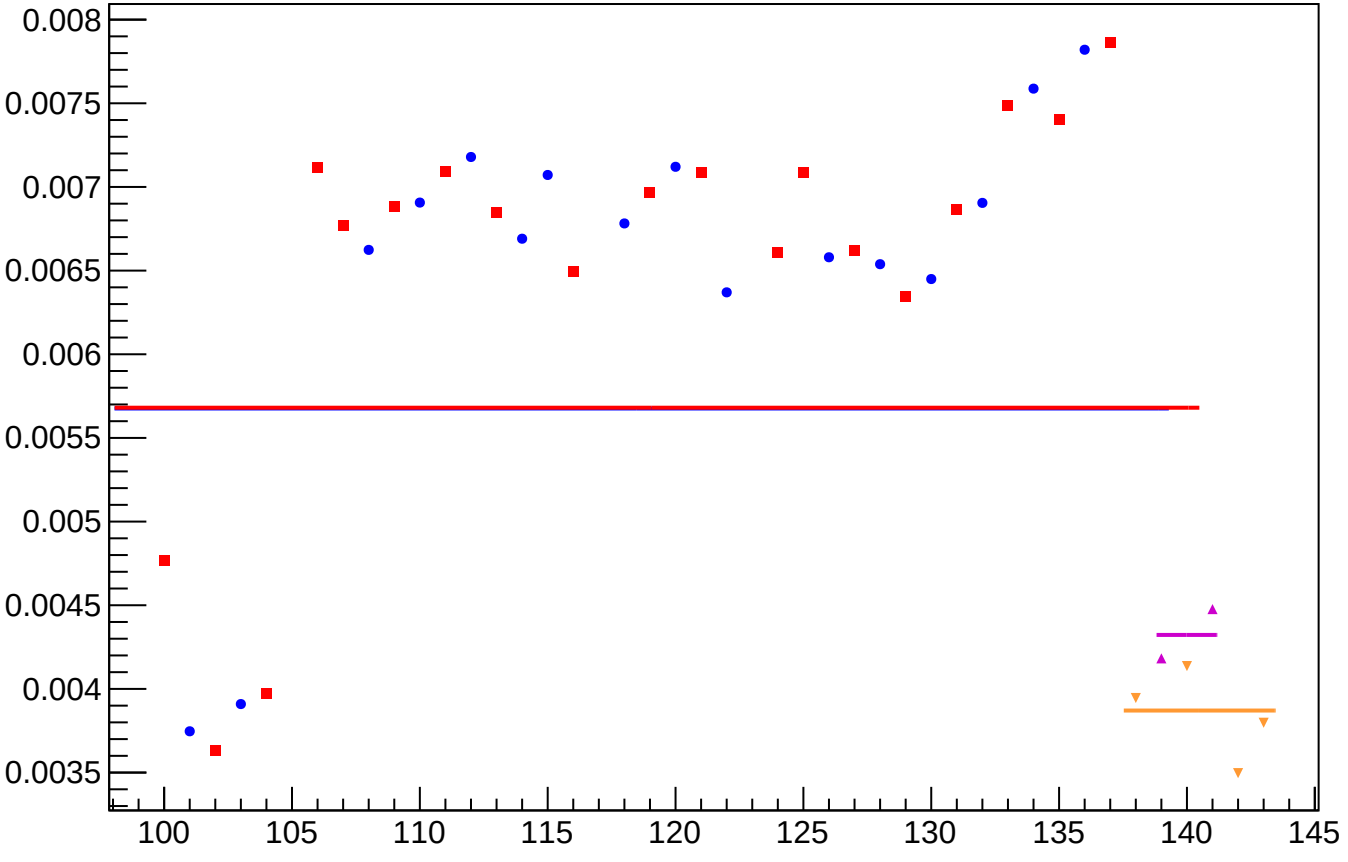
Left In: 1.315+/-0.000 χ^2/NDF:154337492.0/1

+ sign 0.031+/-0.000 χ^2/NDF: 570551060632.9/19

All: -0.129+/-0.000 χ^2/NDF: 986719751112.6

- sign -0.340+/-0.000 χ^2/NDF: 393771531795.5/20

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:16804.4/3

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

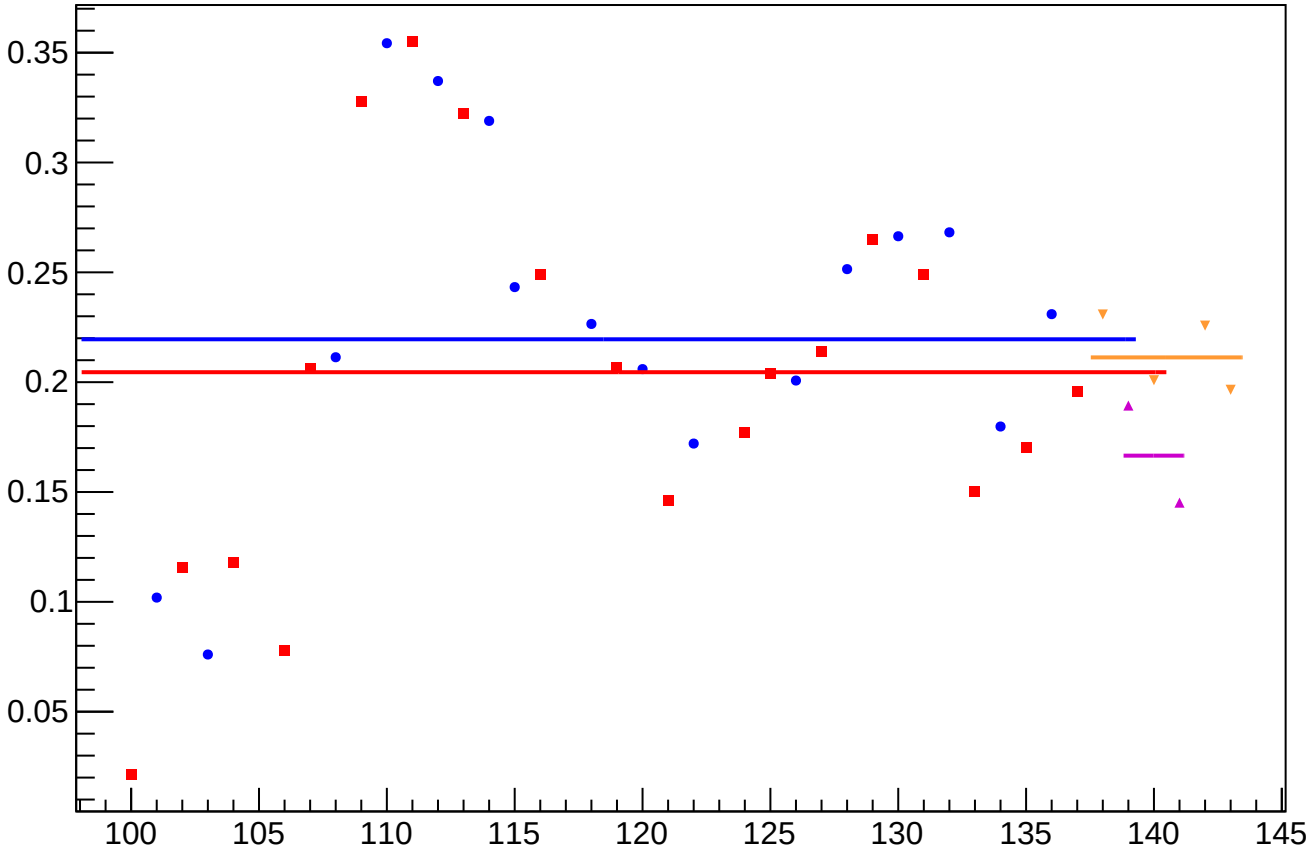
Left In: 0.004+/-0.000 χ^2/NDF:3775.8/1

+ sign 0.005+/-0.000 χ^2/NDF: 1576012.8/19

All: 0.005+/-0.000 χ^2/NDF: 2851316.2/40

- sign 0.005+/-0.000 χ^2/NDF: 1208432.7/20

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.211+/-0.000 χ^2/NDF:341274693.8/3

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

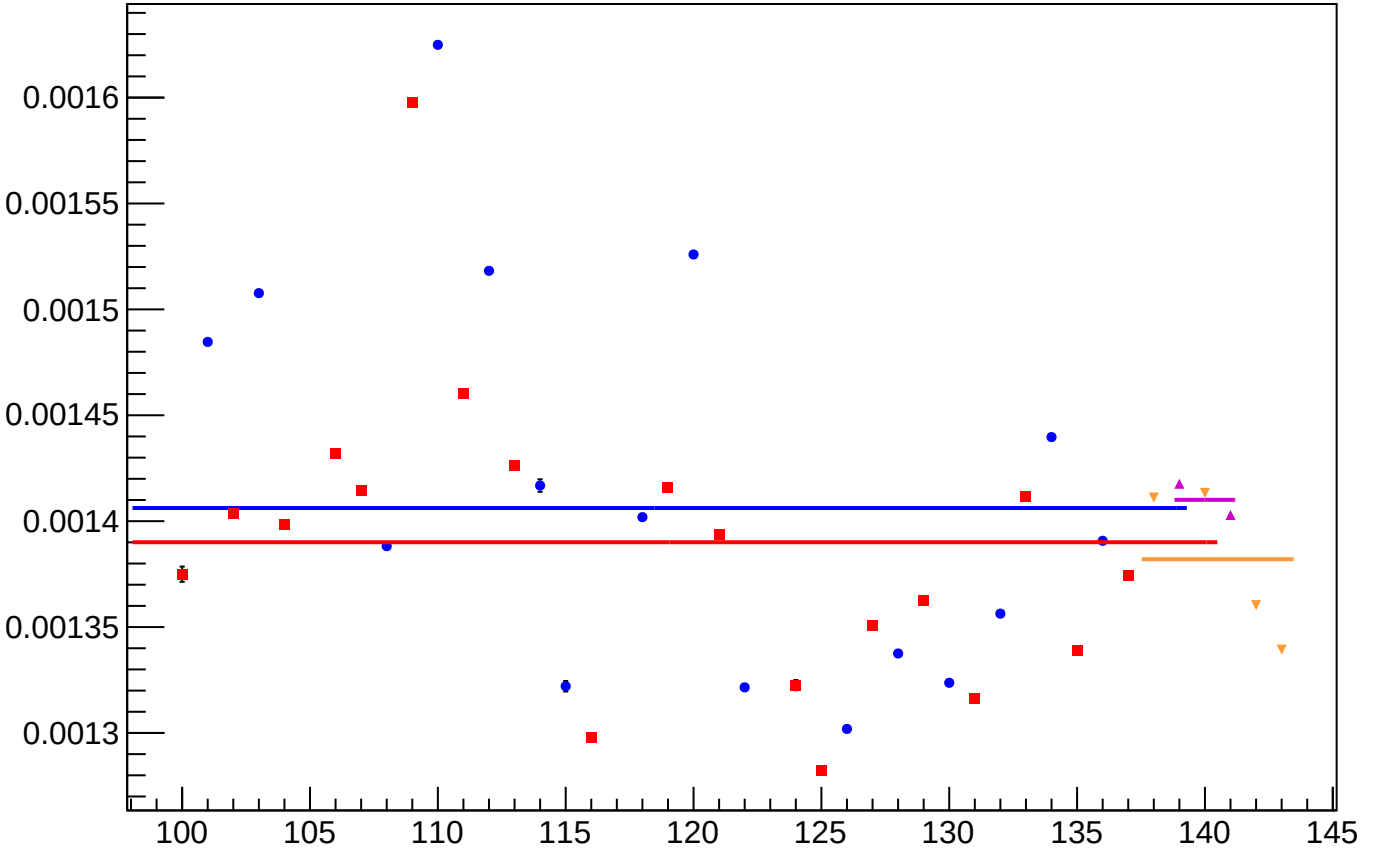
Left In: 0.167+/-0.000 χ^2/NDF:421950548.6/1

+ sign 0.217+/-0.000 χ^2/NDF: 17142357610.3/19

All: 0.208+/-0.000 χ^2/NDF: 41817300131.0/4

- sign 0.197+/-0.000 χ^2/NDF: 23750762147.8/20

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:3350.0/3

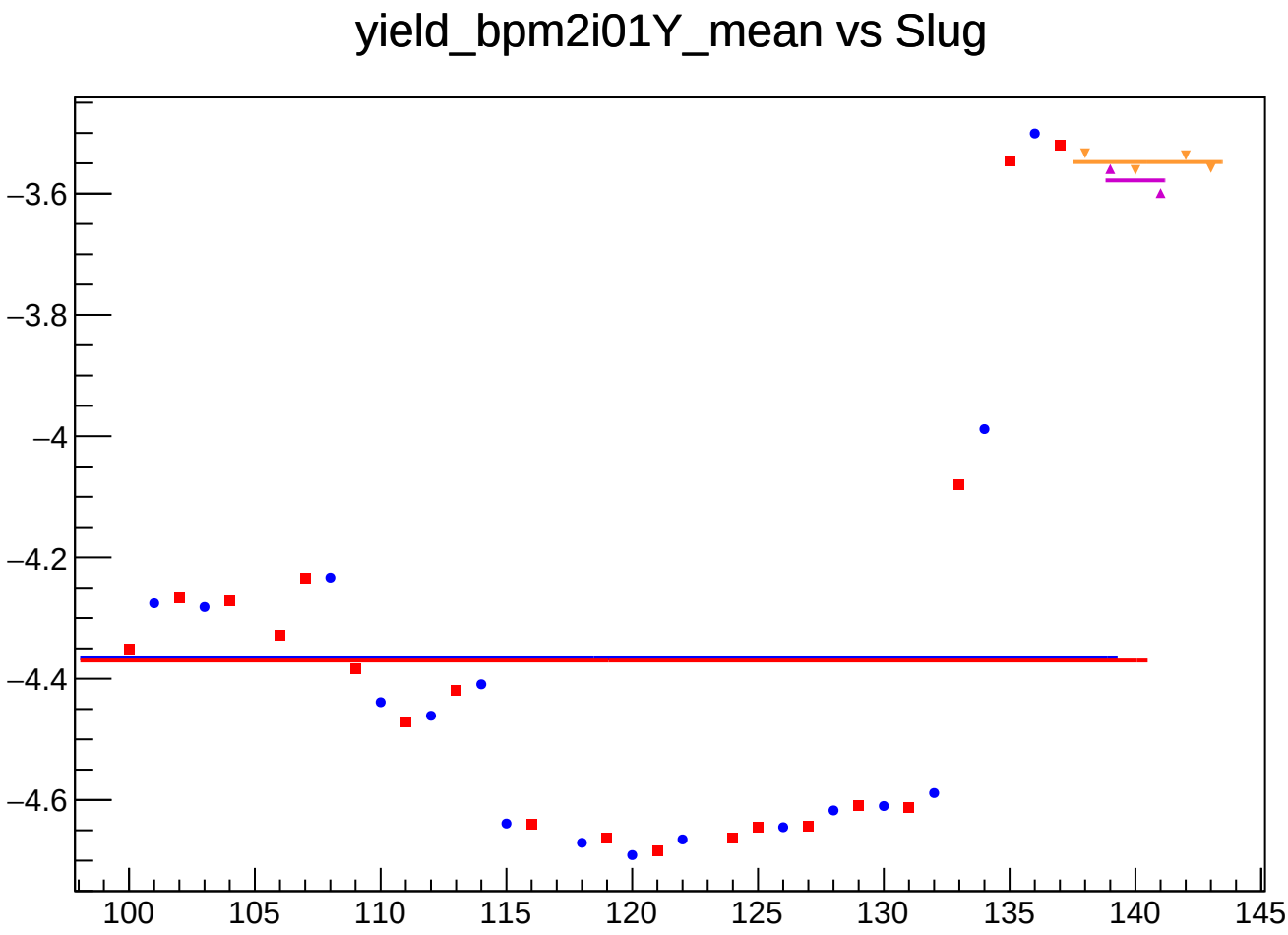
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:94.0/1

+ sign 0.001+/-0.000 χ^2/NDF: 52775.7/19

All: 0.001+/-0.000 χ^2/NDF: 88351.9/40

- sign 0.001+/-0.000 χ^2/NDF: 35445.3/20



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.548+/-0.000 χ^2/NDF:136999530.5/3

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

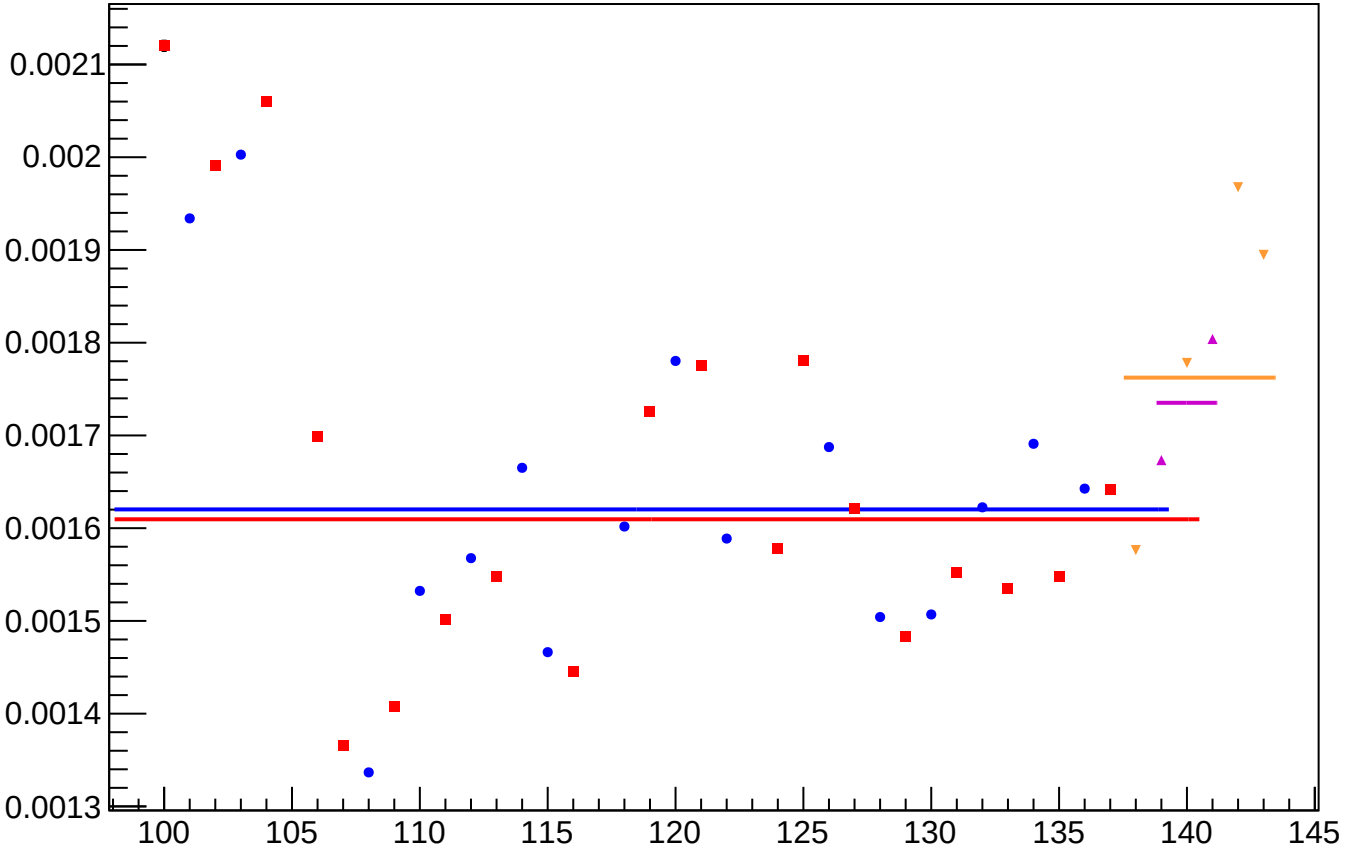
Left In: -3.578+/-0.000 χ^2/NDF:216958793.5/1

+ sign -4.164+/-0.000 χ^2/NDF: 787781728757.0/19

All: -4.200+/-0.000 χ^2/NDF: 1381182357516

- sign -4.238+/-0.000 χ^2/NDF: 584149621234.8/20

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:36749.6/3

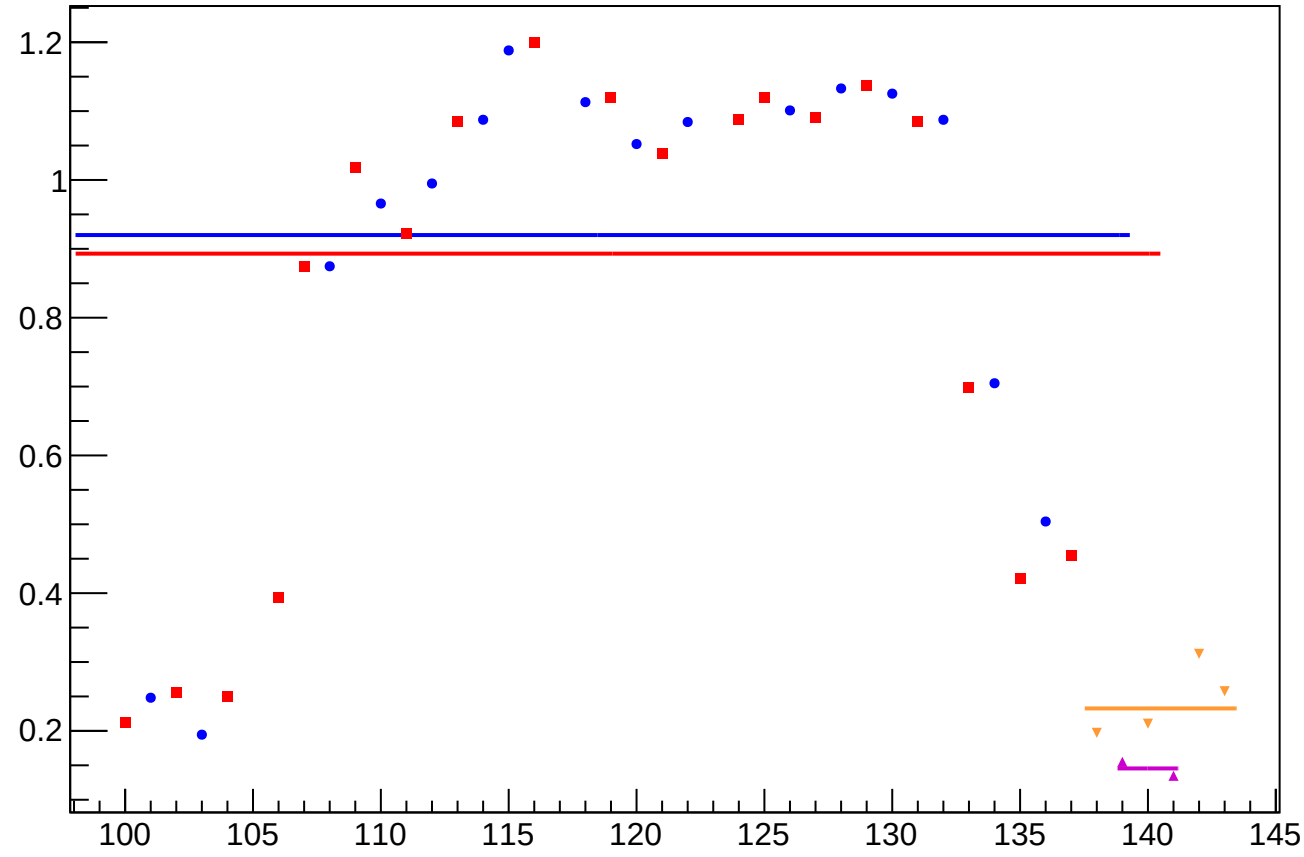
Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:4689.7/1

+ sign 0.002+/-0.000 χ^2/NDF: 203151.3/19

All: 0.002+/-0.000 χ^2/NDF: 409389.5/40

- sign 0.002+/-0.000 χ^2/NDF: 204143.3/20



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.233+/-0.000 χ^2/NDF:60247855.0/3

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

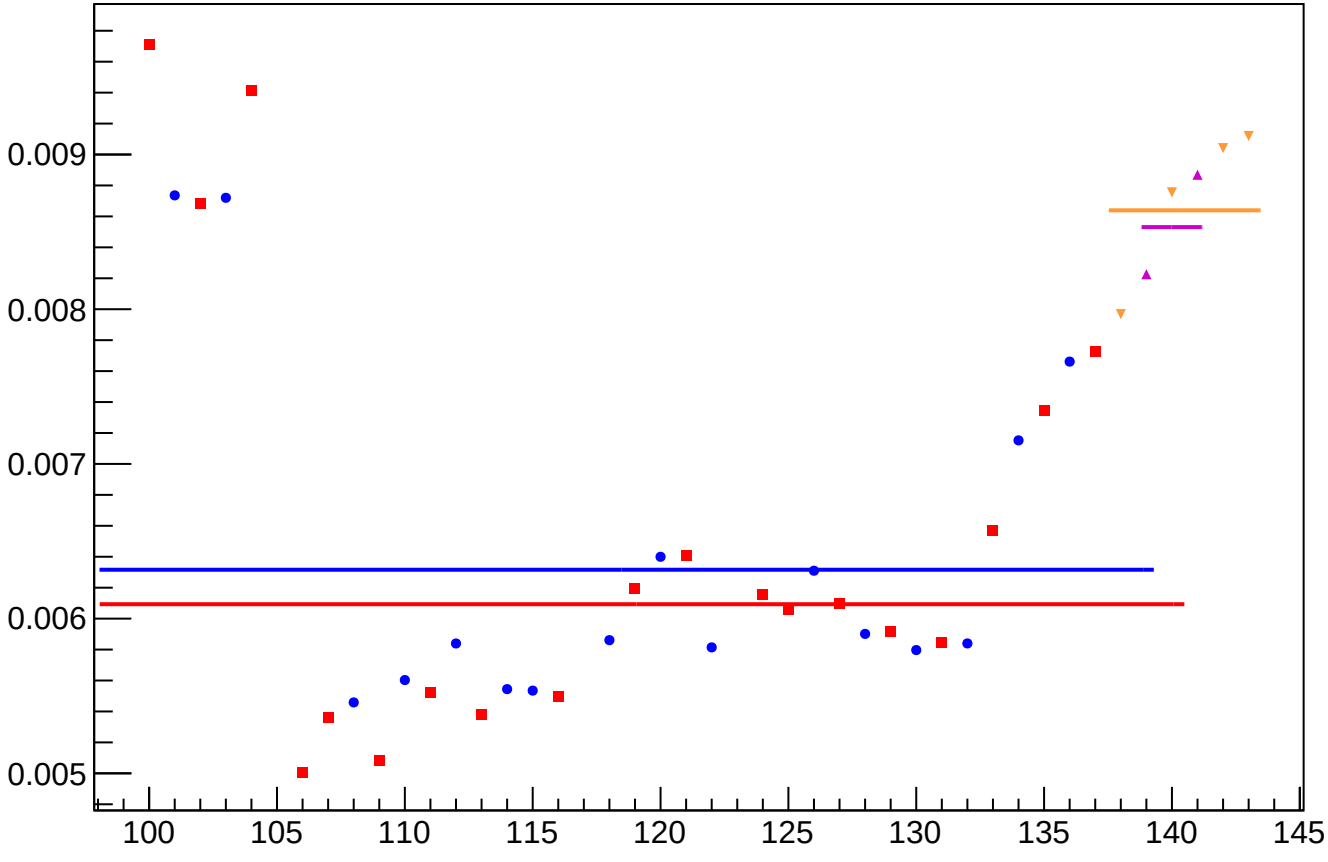
Left In: 0.145+/-0.000 χ^2/NDF:2427884.8/1

+ sign 0.798+/-0.000 χ^2/NDF: 29397015288.0/19

All: 0.805+/-0.000 χ^2/NDF: 58855244616.8/4

- sign 0.812+/-0.000 χ^2/NDF: 29435436124.0/20

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:17351.2/3

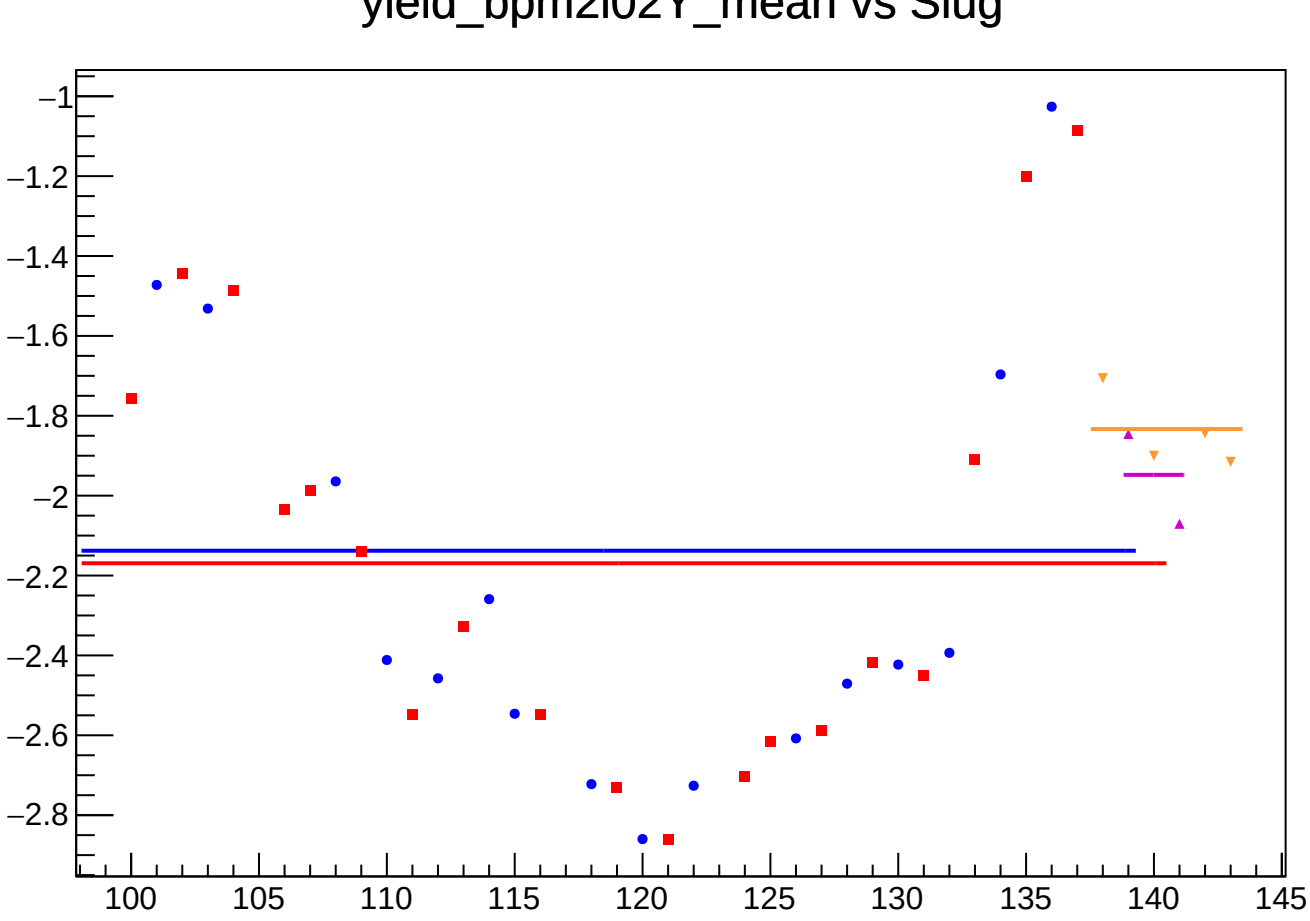
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:4877.1/1

+ sign 0.007+/-0.000 χ^2/NDF: 690465.0/19

All: 0.007+/-0.000 χ^2/NDF: 1412095.9/40

- sign 0.006+/-0.000 χ^2/NDF: 691562.6/20



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.833+/-0.000 χ^2/NDF:410885465.5/3

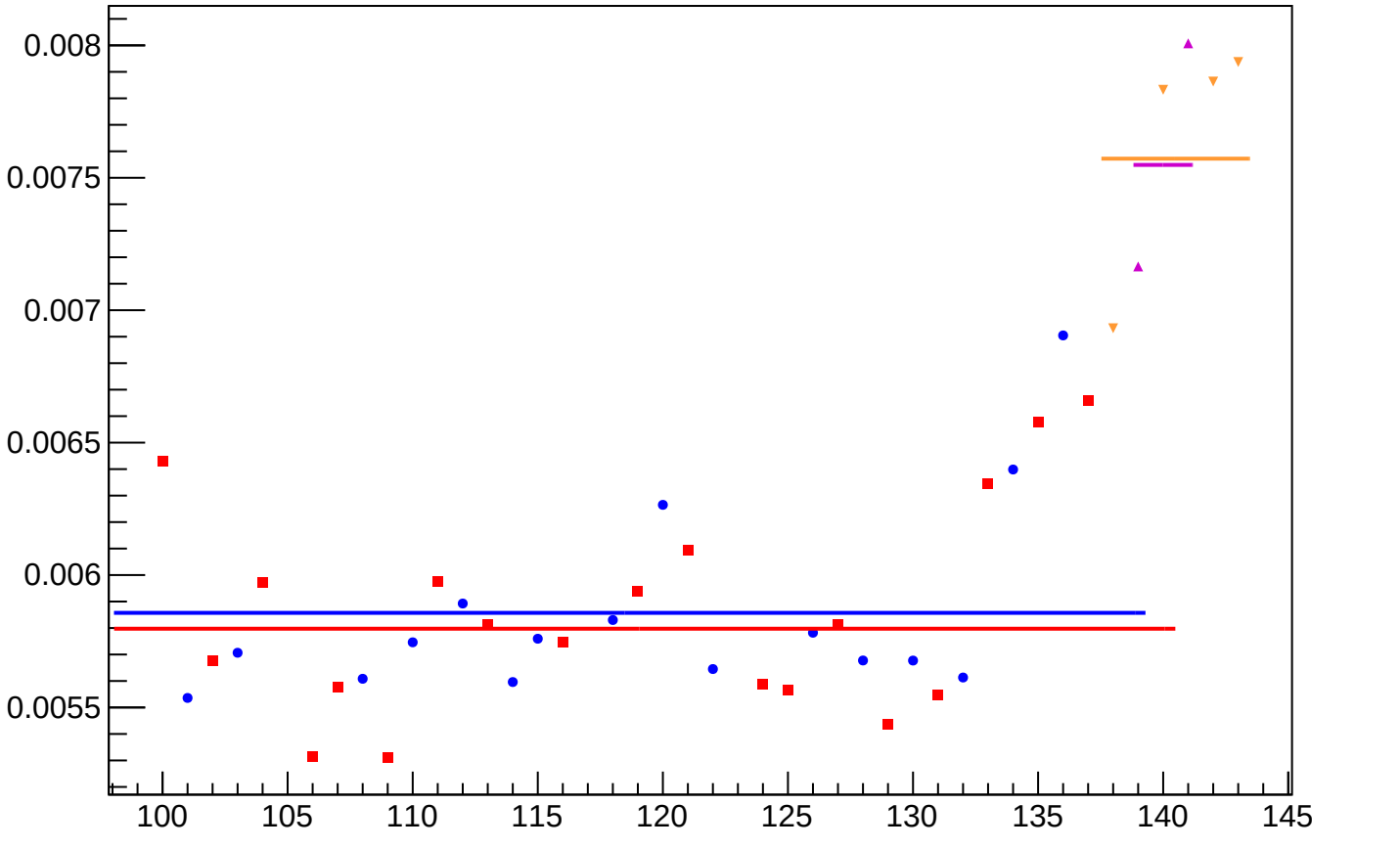
Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -1.948+/-0.000 χ^2/NDF:377915028.2/1

+ sign -2.079+/-0.000 χ^2/NDF: 69816296109.2/19

All: -2.111+/-0.000 χ^2/NDF: 129419700945.5

- sign -2.143+/-0.000 χ^2/NDF: 59089387593.0/20



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.008+/-0.000 χ^2/NDF:19731.7/3

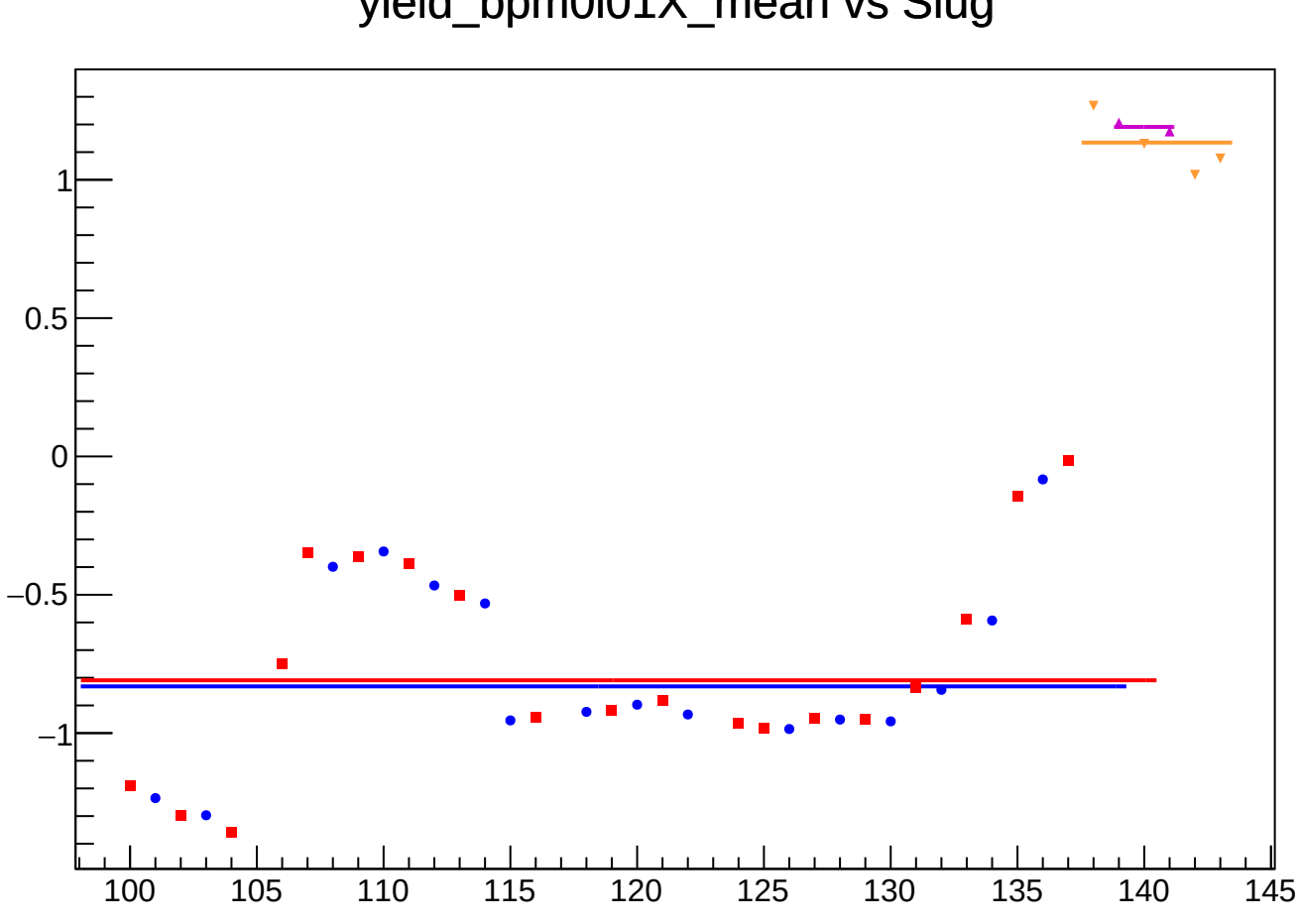
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:10629.9/1

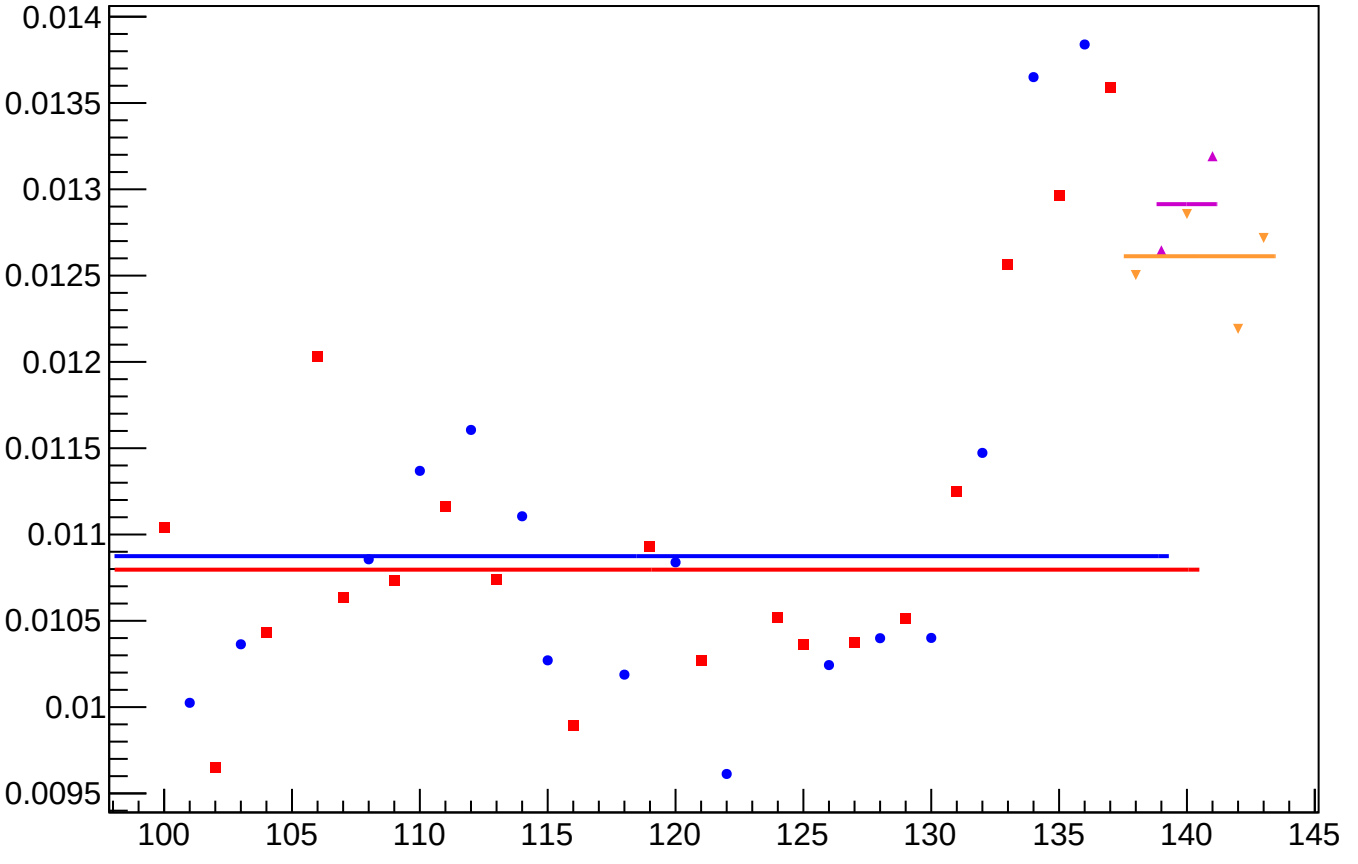
+ sign 0.006+/-0.000 χ^2/NDF: 318596.4/19

All: 0.006+/-0.000 χ^2/NDF: 556895.4/40

- sign 0.006+/-0.000 χ^2/NDF: 230056.2/20


yield_bpm0i01X_mean vs Slug
1
0.5
0
−0.5
−1
100
105
110
115
120
125
130
135
140
145
Right In: -0.831+/-0.000 χ²/NDF: 7112259663.3/15
Left Out: 1.135+/-0.000 χ²/NDF:142993315.8/3
Right Out: -0.809+/-0.000 χ²/NDF: 8146337898.7/18
Left In: 1.191+/-0.000 χ²/NDF:2582653.9/1
+ sign -0.377+/-0.000 χ²/NDF: 60336133144.6/19
All: -0.448+/-0.000 χ²/NDF: 104646785815.3
- sign -0.524+/-0.000 χ²/NDF: 43505252891.8/20

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:1867.7/3

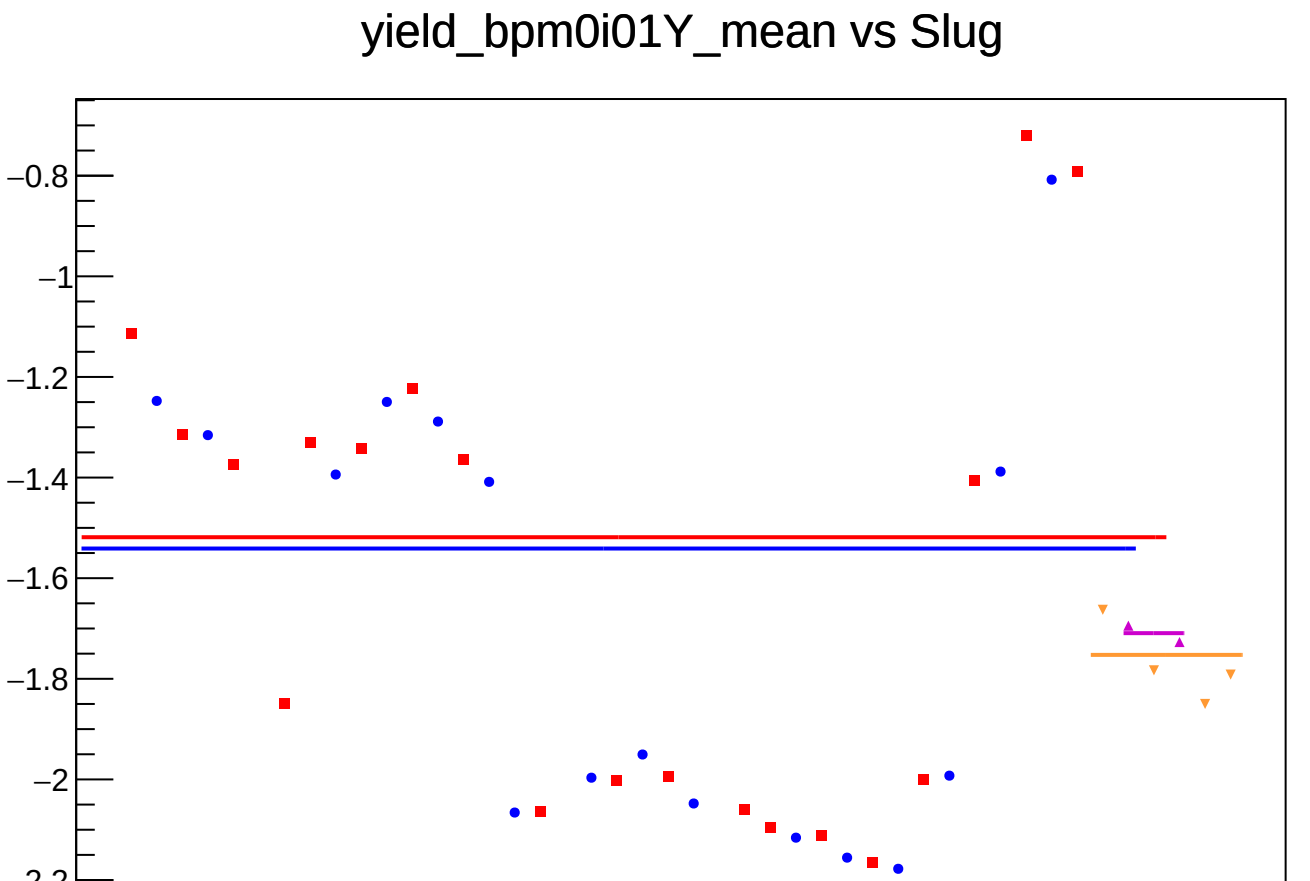
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:1531.0/1

+ sign 0.011+/-0.000 χ^2/NDF: 242433.3/19

All: 0.011+/-0.000 χ^2/NDF: 424708.8/40

- sign 0.011+/-0.000 χ^2/NDF: 179915.1/20



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.752+/-0.000 χ^2/NDF:1452074355.6/3

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

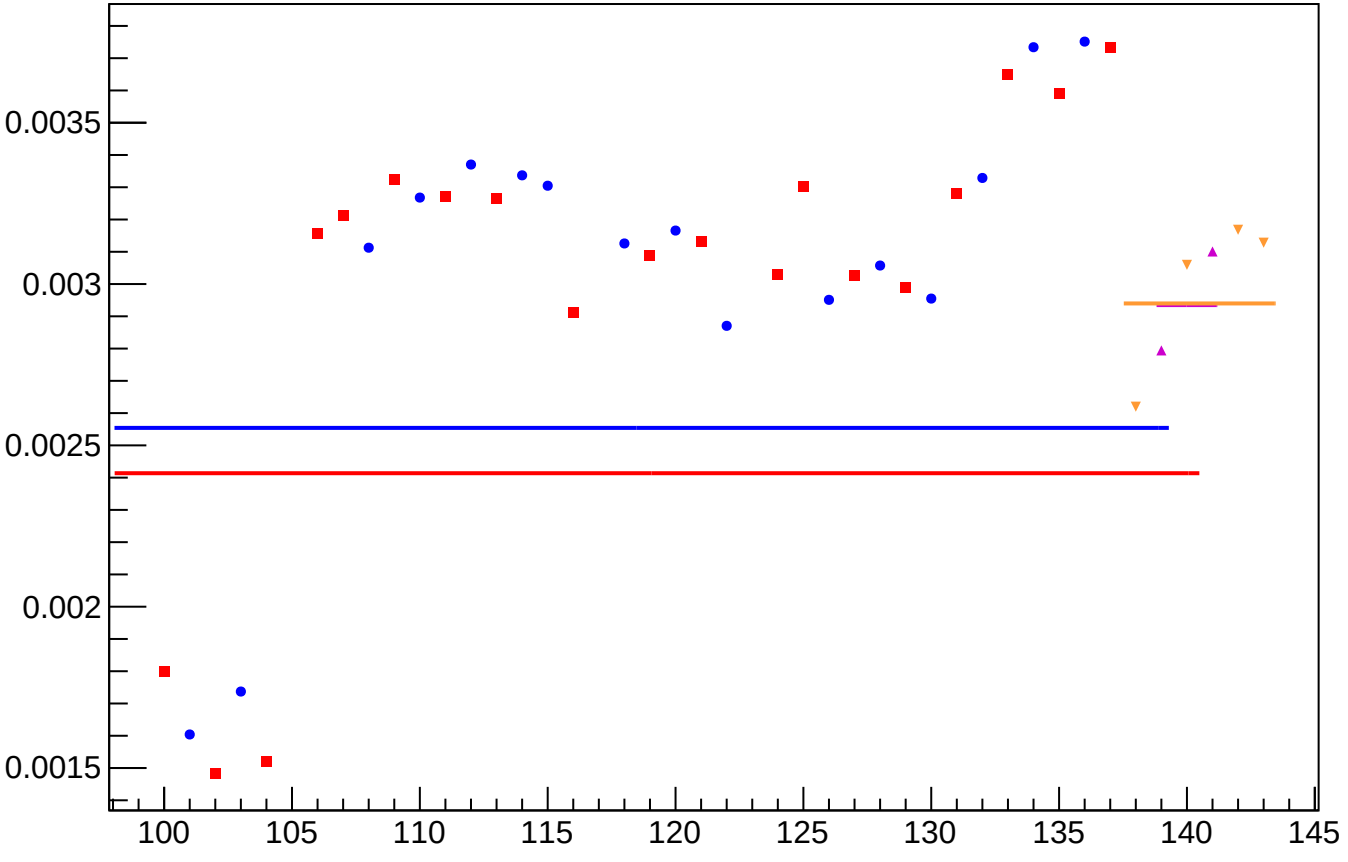
Left In: -1.709+/-0.000 χ^2/NDF:50014259.1/1

+ sign -1.595+/-0.000 χ^2/NDF: 174375142002.4/19

All: -1.572+/-0.000 χ^2/NDF: 326626428970.2

- sign -1.549+/-0.000 χ^2/NDF: 150955553704.6/20

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:34456.2/3

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

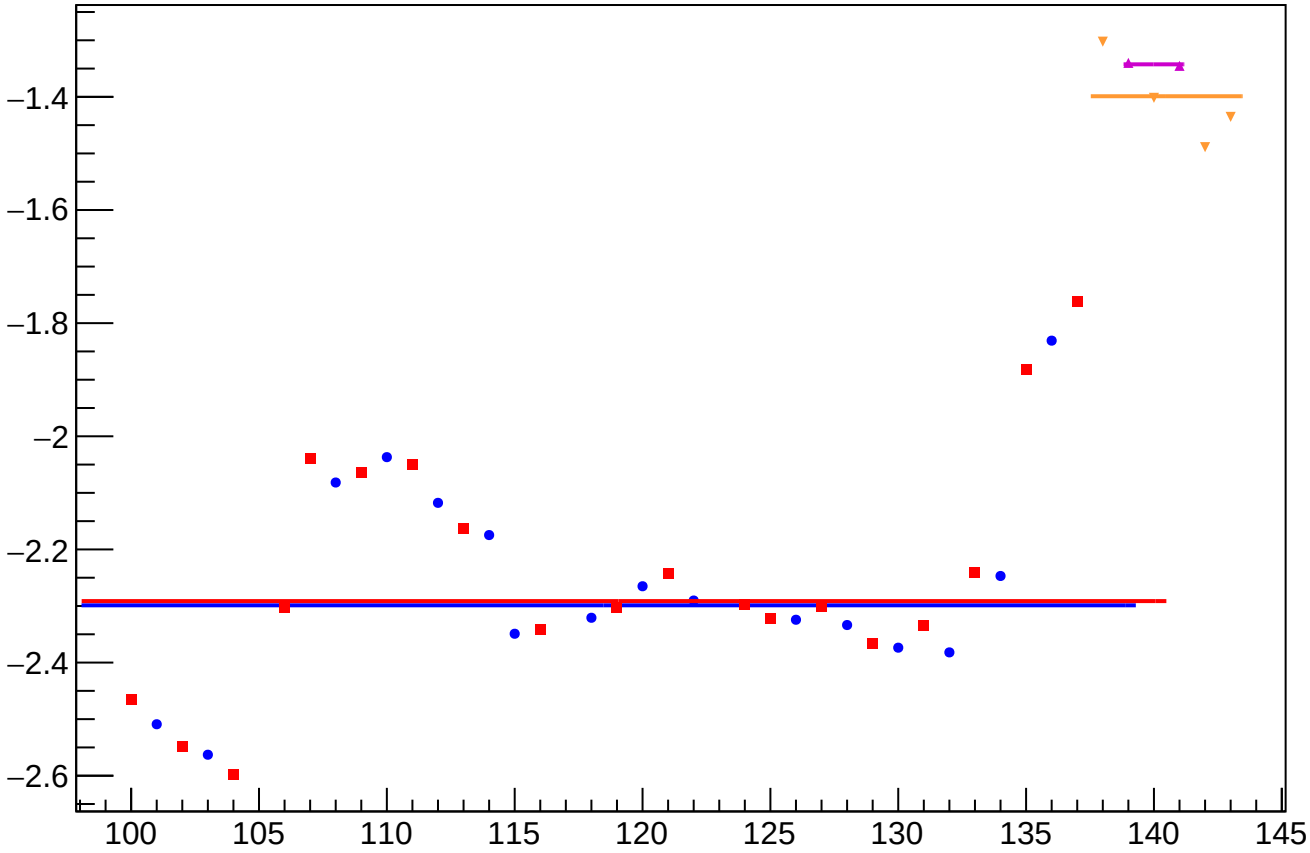
Left In: 0.003+/-0.000 χ^2/NDF:8879.9/1

+ sign 0.003+/-0.000 χ^2/NDF: 1276879.3/19

All: 0.003+/-0.000 χ^2/NDF: 2949472.9/40

- sign 0.002+/-0.000 χ^2/NDF: 1642750.8/20

yield_bpm0i01aX_mean vs Slug



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.399+/-0.000 χ^2/NDF:156706002.5/3

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

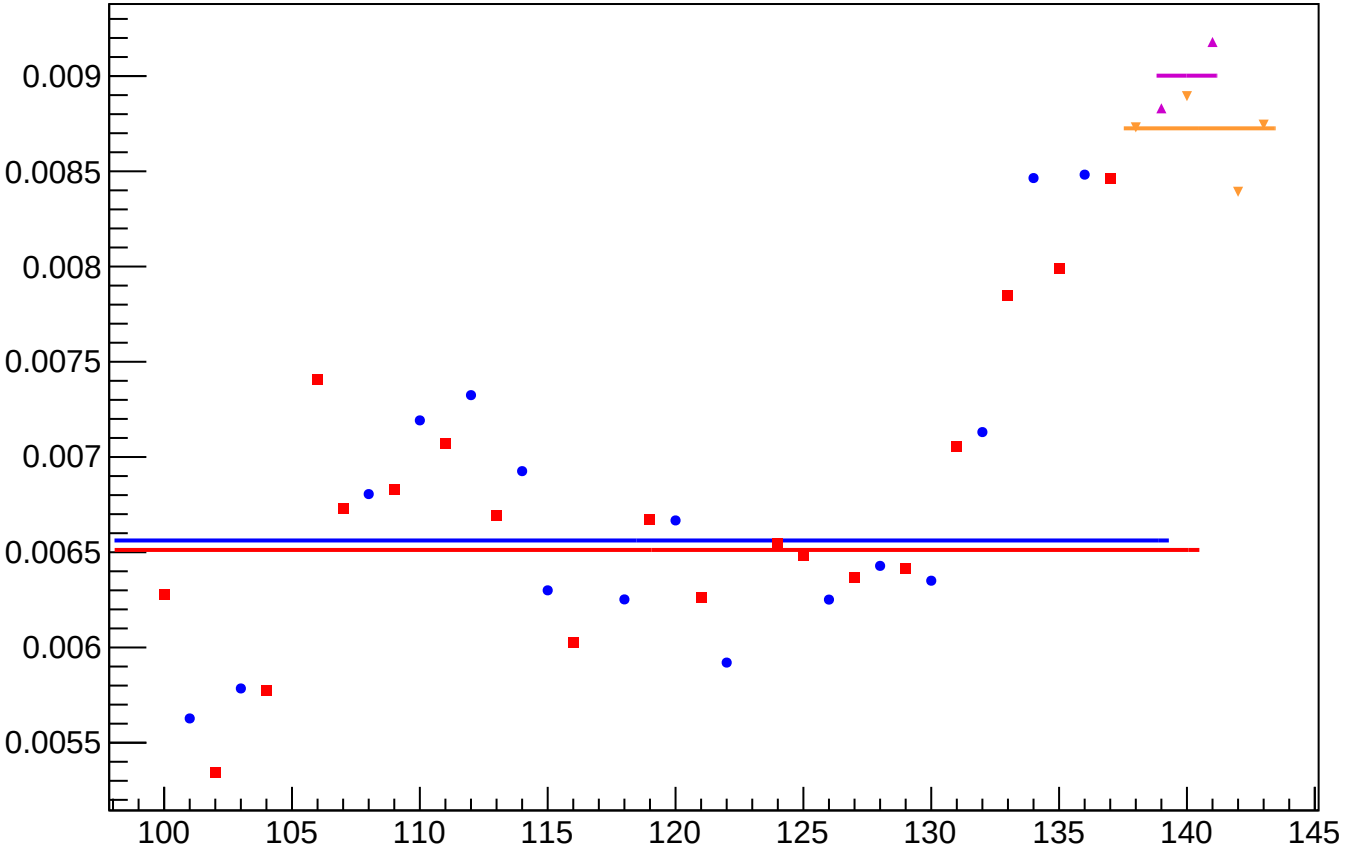
Left In: -1.342+/-0.000 χ^2/NDF:145810.5/1

+ sign -2.130+/-0.000 χ^2/NDF: 30744681049.3/19

All: -2.157+/-0.000 χ^2/NDF: 54757728073.5/

- sign -2.185+/-0.000 χ^2/NDF: 23717349954.3/20

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:1965.0/3

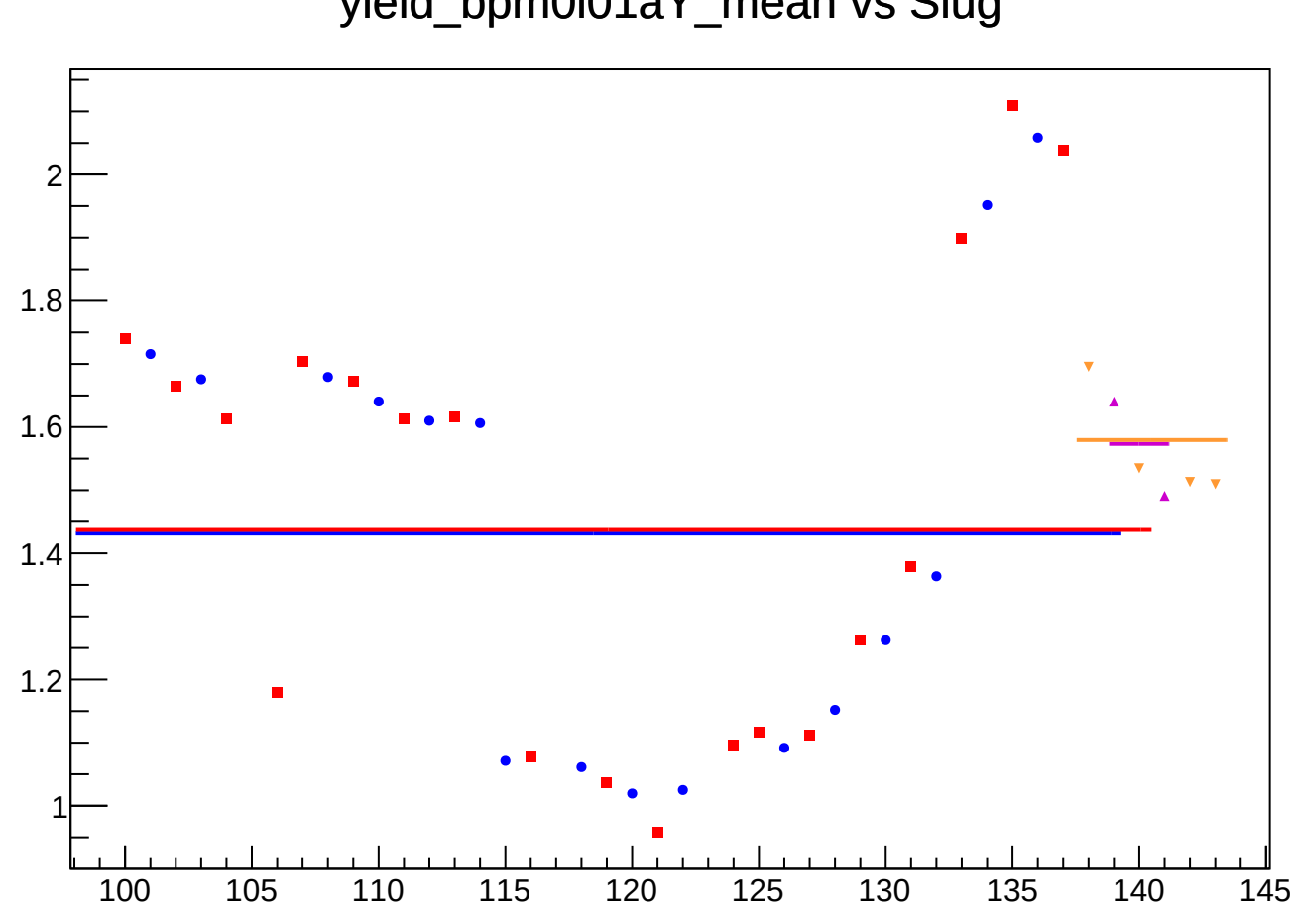
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:1279.9/1

+ sign 0.007+/-0.000 χ^2/NDF: 506679.7/19

All: 0.007+/-0.000 χ^2/NDF: 931589.6/40

- sign 0.007+/-0.000 χ^2/NDF: 418833.8/20



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.579+/-0.000 χ^2/NDF:827921405.1/3

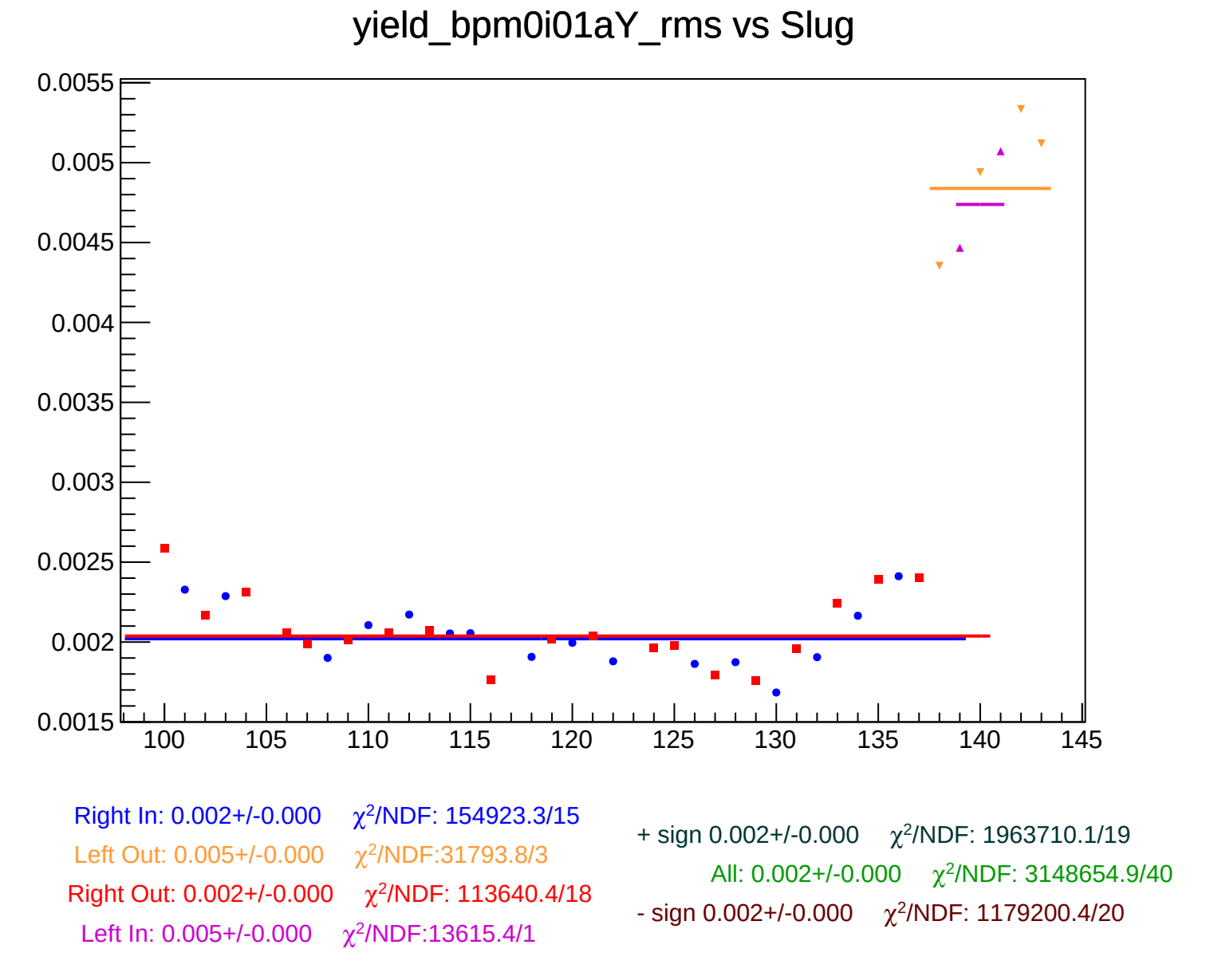
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

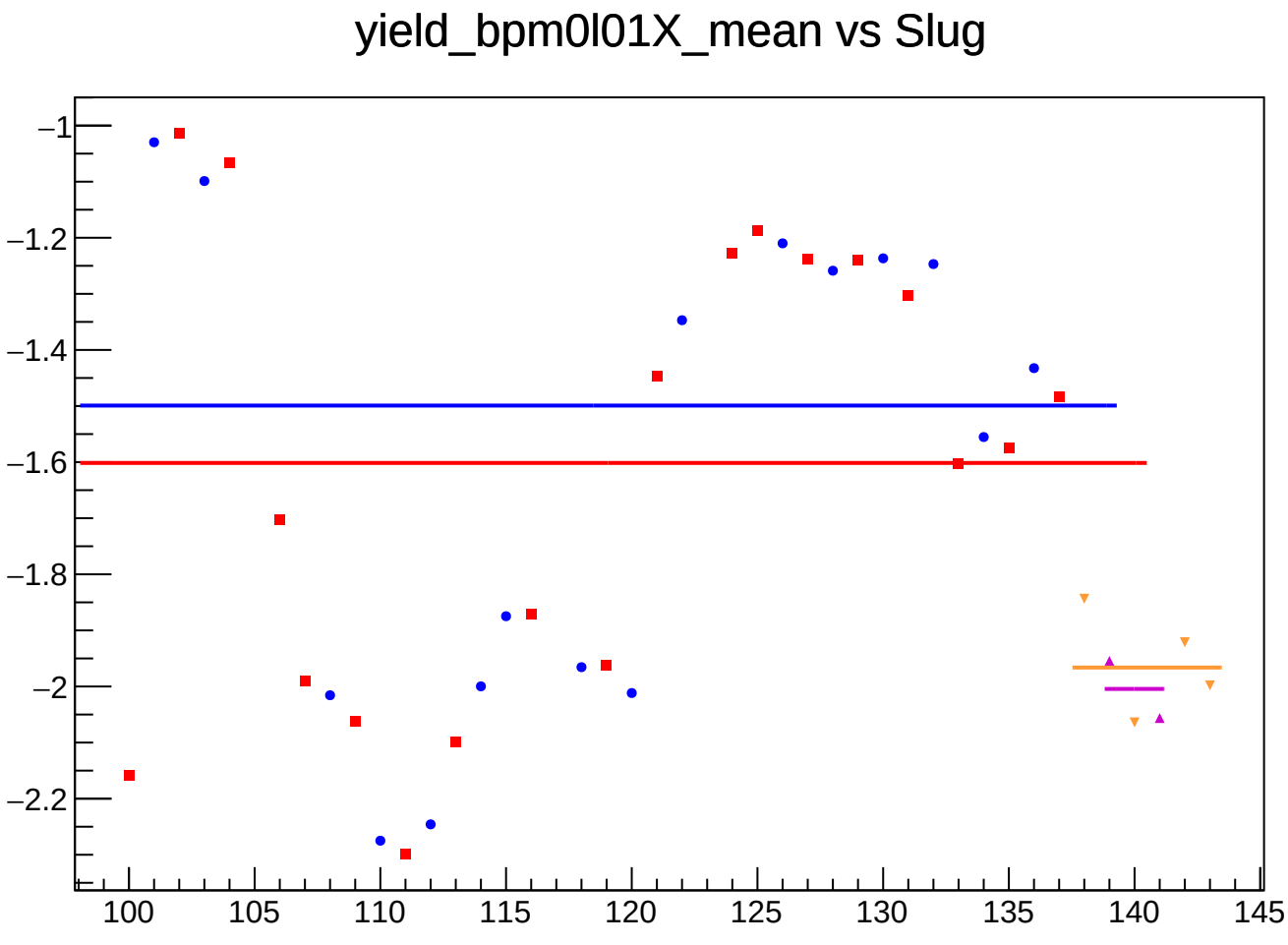
Left In: 1.573+/-0.000 χ^2/NDF:416294982.4/1

+ sign 1.442+/-0.000 χ^2/NDF: 192463918675.3/19

All: 1.442+/-0.000 χ^2/NDF: 376241553729.6

- sign 1.443+/-0.000 χ^2/NDF: 183775677520.3/20


yield_bpm0i01aY_rms vs Slug
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.000 χ²/NDF: 154923.3/15
Left Out: 0.005+/-0.000 χ²/NDF:31793.8/3
Right Out: 0.002+/-0.000 χ²/NDF: 113640.4/18
Left In: 0.005+/-0.000 χ²/NDF:13615.4/1
+ sign 0.002+/-0.000 χ²/NDF: 1963710.1/19
All: 0.002+/-0.000 χ²/NDF: 3148654.9/40
- sign 0.002+/-0.000 χ²/NDF: 1179200.4/20



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.966+/-0.000 χ^2/NDF:687198669.8/3

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

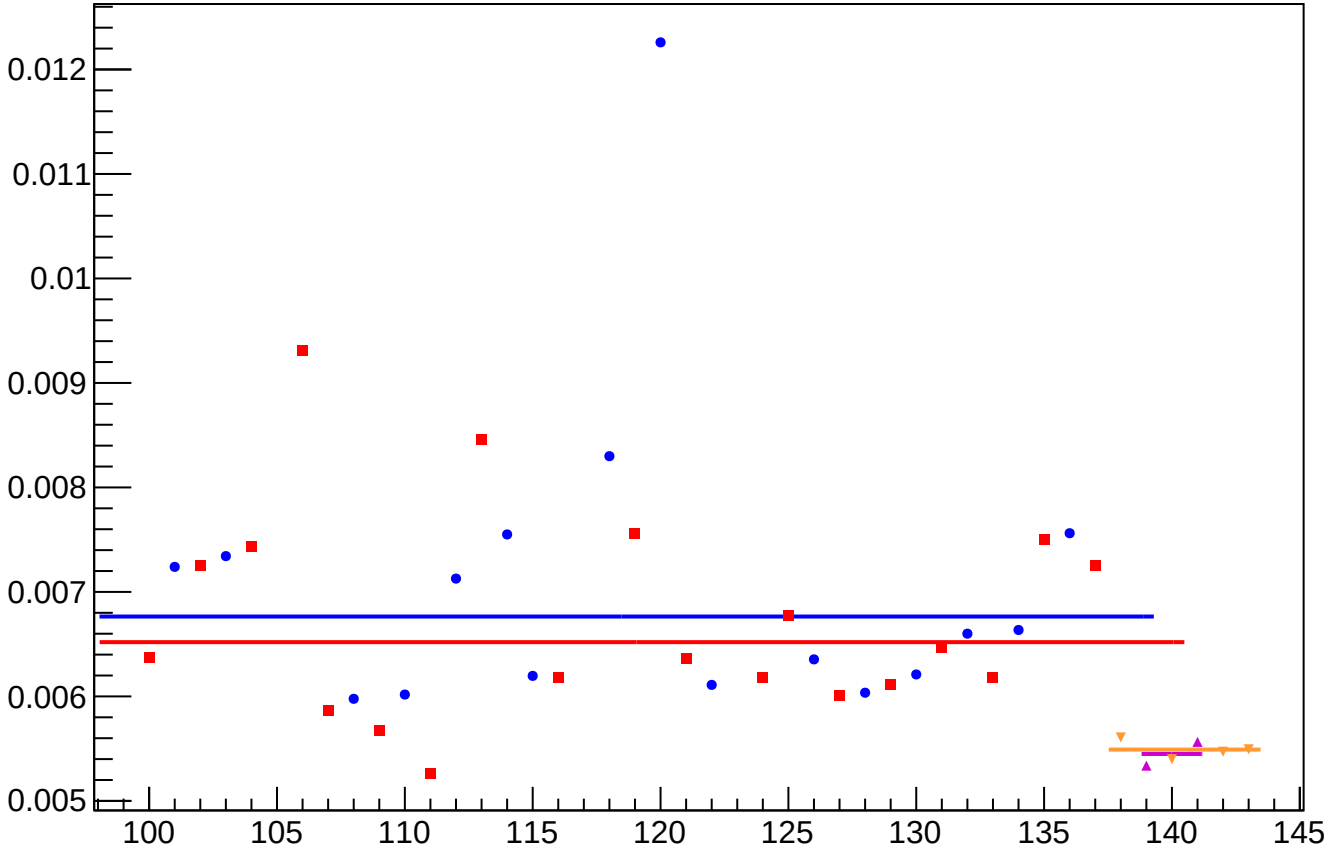
Left In: -2.004+/-0.000 χ^2/NDF:146416551.4/1

+ sign -1.684+/-0.000 χ^2/NDF: 35839871137.9/19

All: -1.694+/-0.000 χ^2/NDF: 71178092484.3/

- sign -1.706+/-0.000 χ^2/NDF: 35283881148.8/20

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1134.3/3

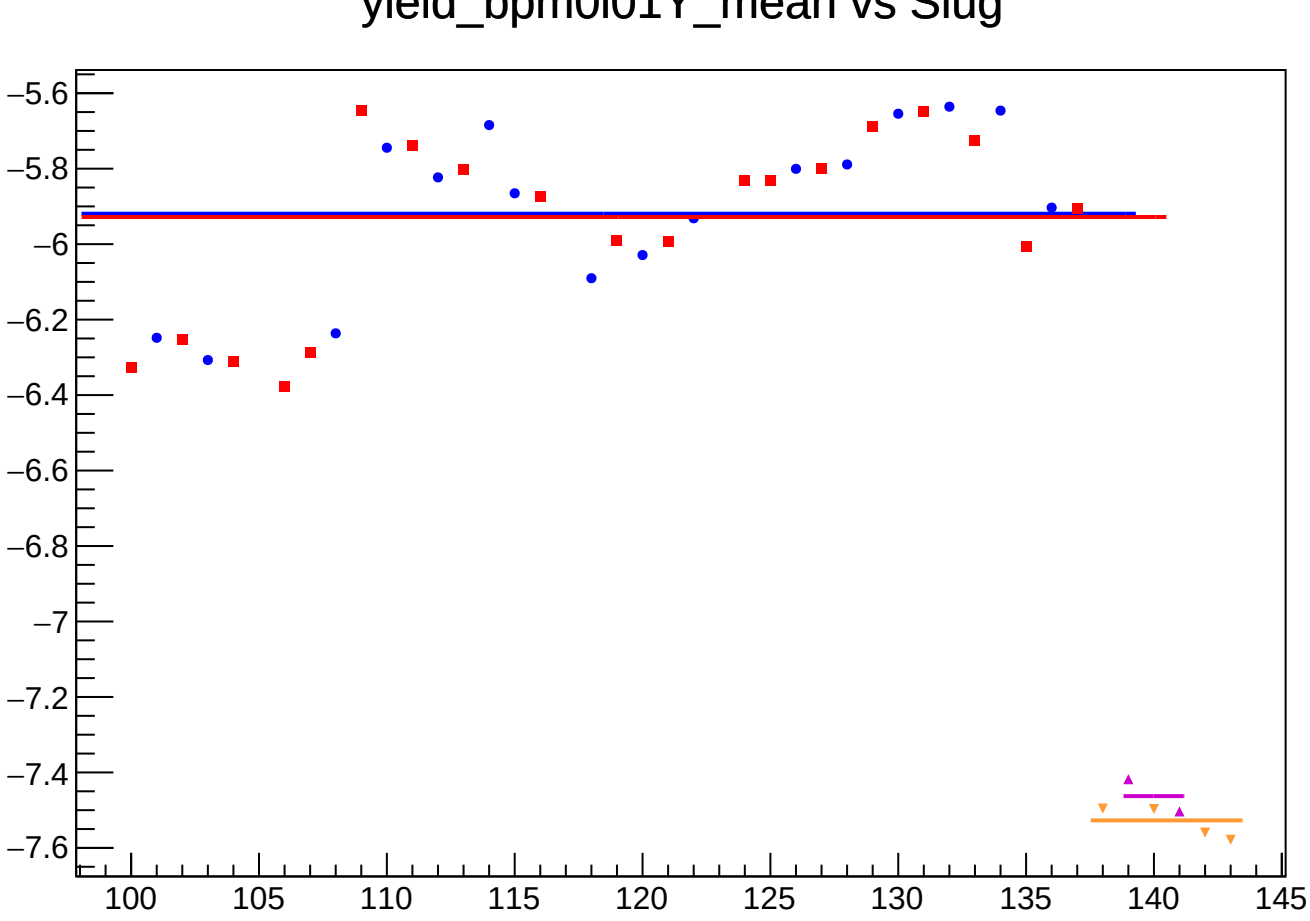
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.005+/-0.000 χ^2/NDF:1462.6/1

+ sign 0.006+/-0.000 χ^2/NDF: 421431.9/19

All: 0.006+/-0.000 χ^2/NDF: 764515.4/40

- sign 0.006+/-0.000 χ^2/NDF: 343004.8/20



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.527+/-0.000 χ^2/NDF:33422517.4/3

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

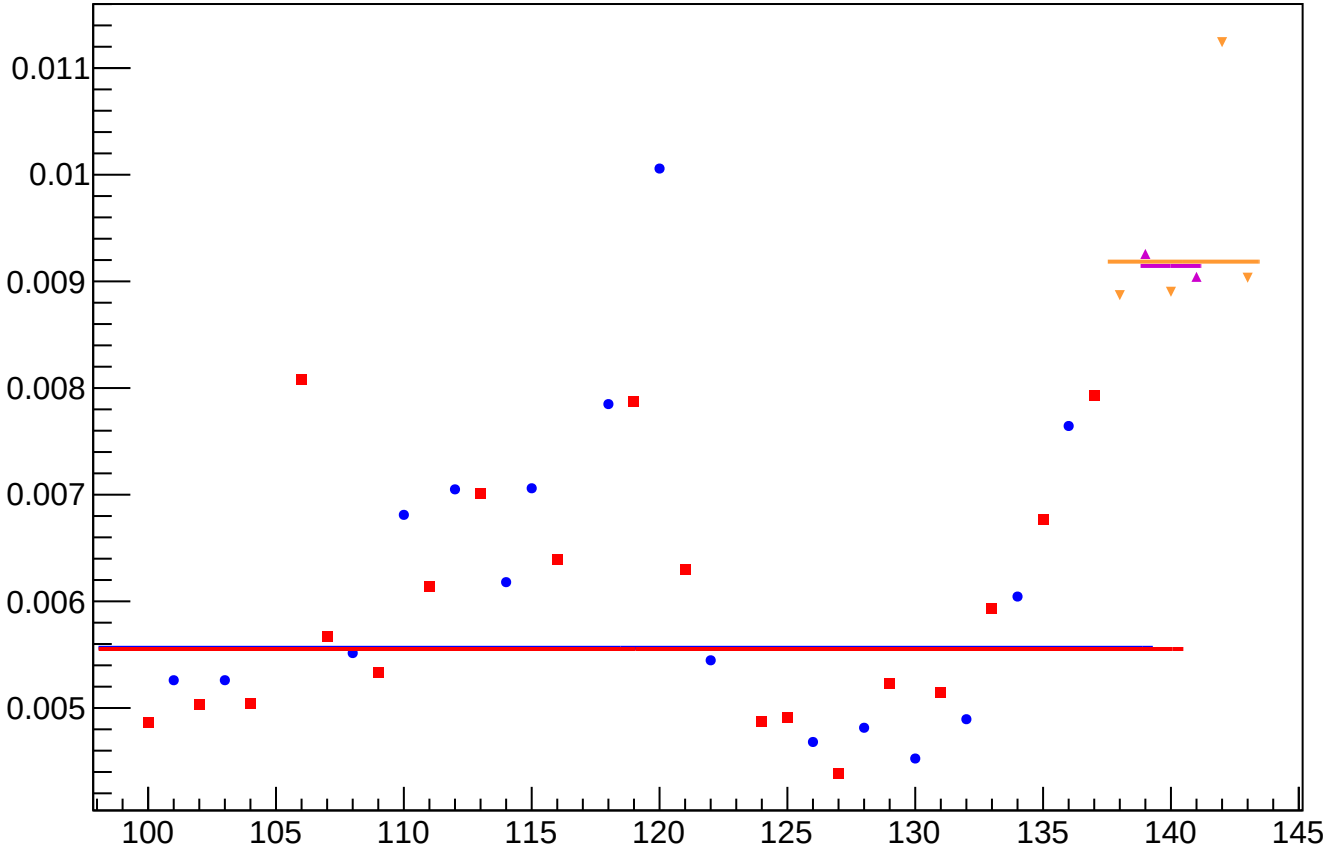
Left In: -7.463+/-0.000 χ^2/NDF:25648567.3/1

+ sign -6.087+/-0.000 χ^2/NDF: 65120921604.6/19

All: -6.055+/-0.000 χ^2/NDF: 109353123081.9

- sign -6.024+/-0.000 χ^2/NDF: 43797670661.6/20

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:23925.3/3

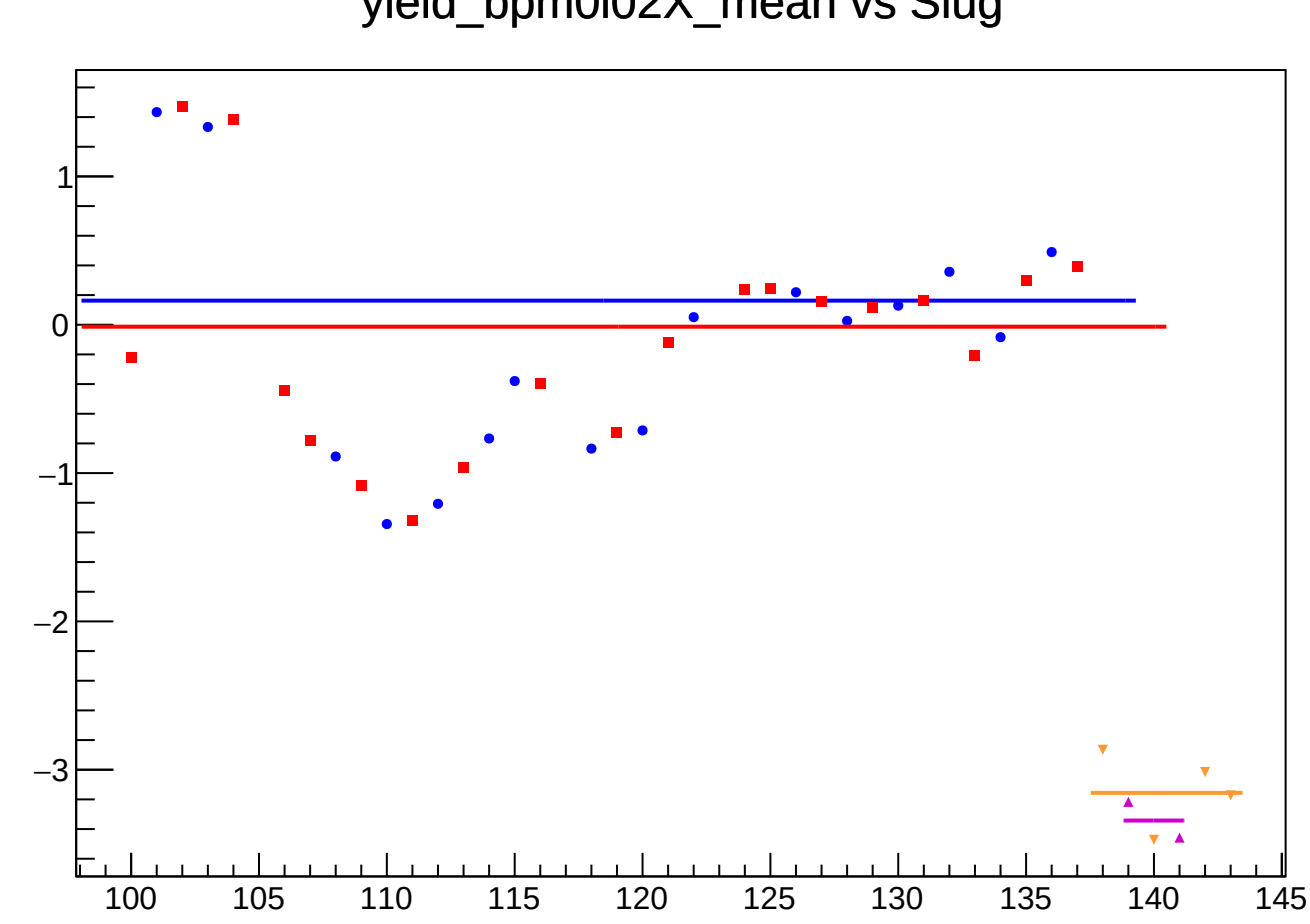
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:324.0/1

+ sign 0.006+/-0.000 χ^2/NDF: 1060595.1/19

All: 0.006+/-0.000 χ^2/NDF: 1772413.8/40

- sign 0.006+/-0.000 χ^2/NDF: 705904.2/20



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.156+/-0.000 χ^2/NDF:468622992.1/3

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

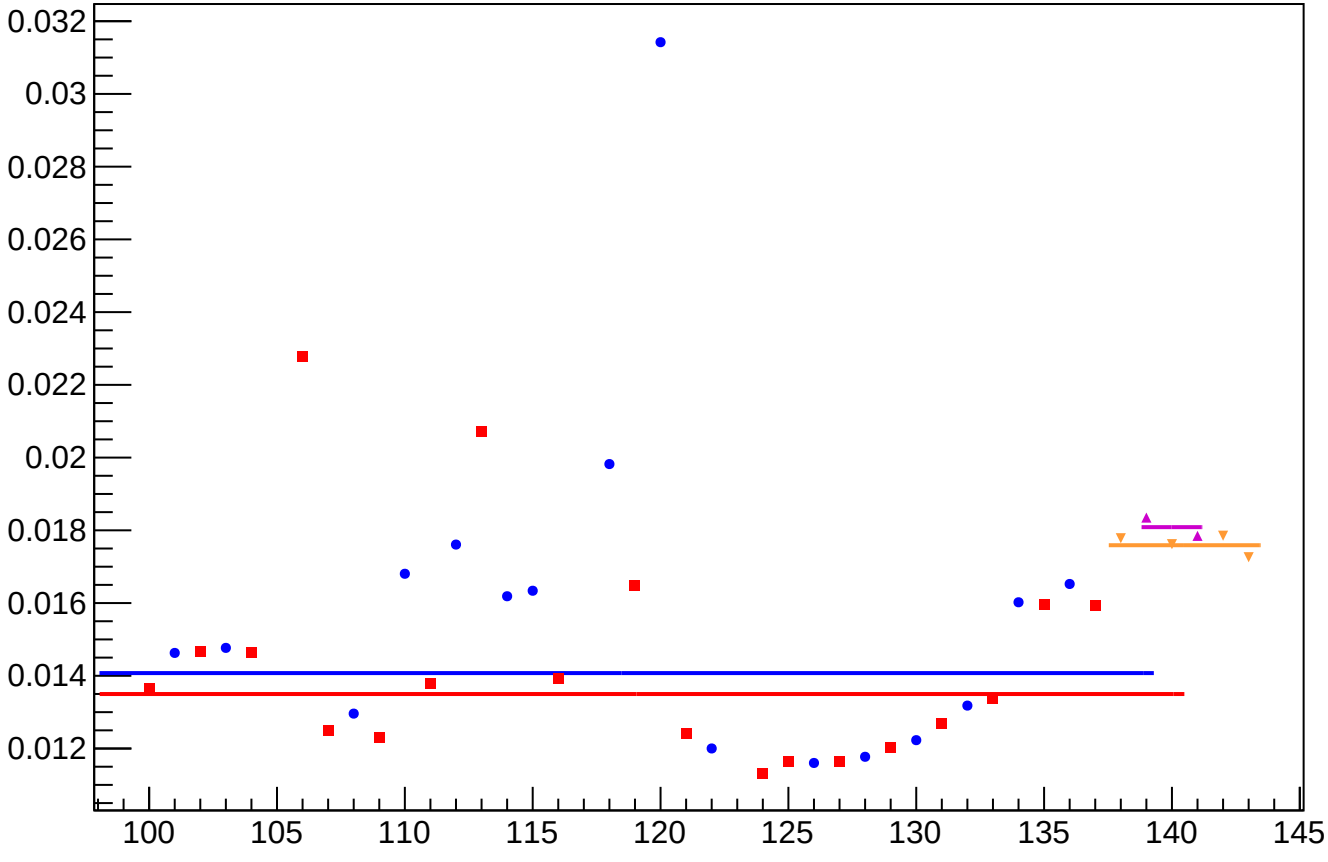
Left In: -3.343+/-0.000 χ^2/NDF:72964449.6/1

+ sign -0.547+/-0.000 χ^2/NDF: 93411710289.5/19

All: -0.477+/-0.000 χ^2/NDF: 165475323780.5

- sign -0.410+/-0.000 χ^2/NDF: 71672762901.2/20

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:911.7/3

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

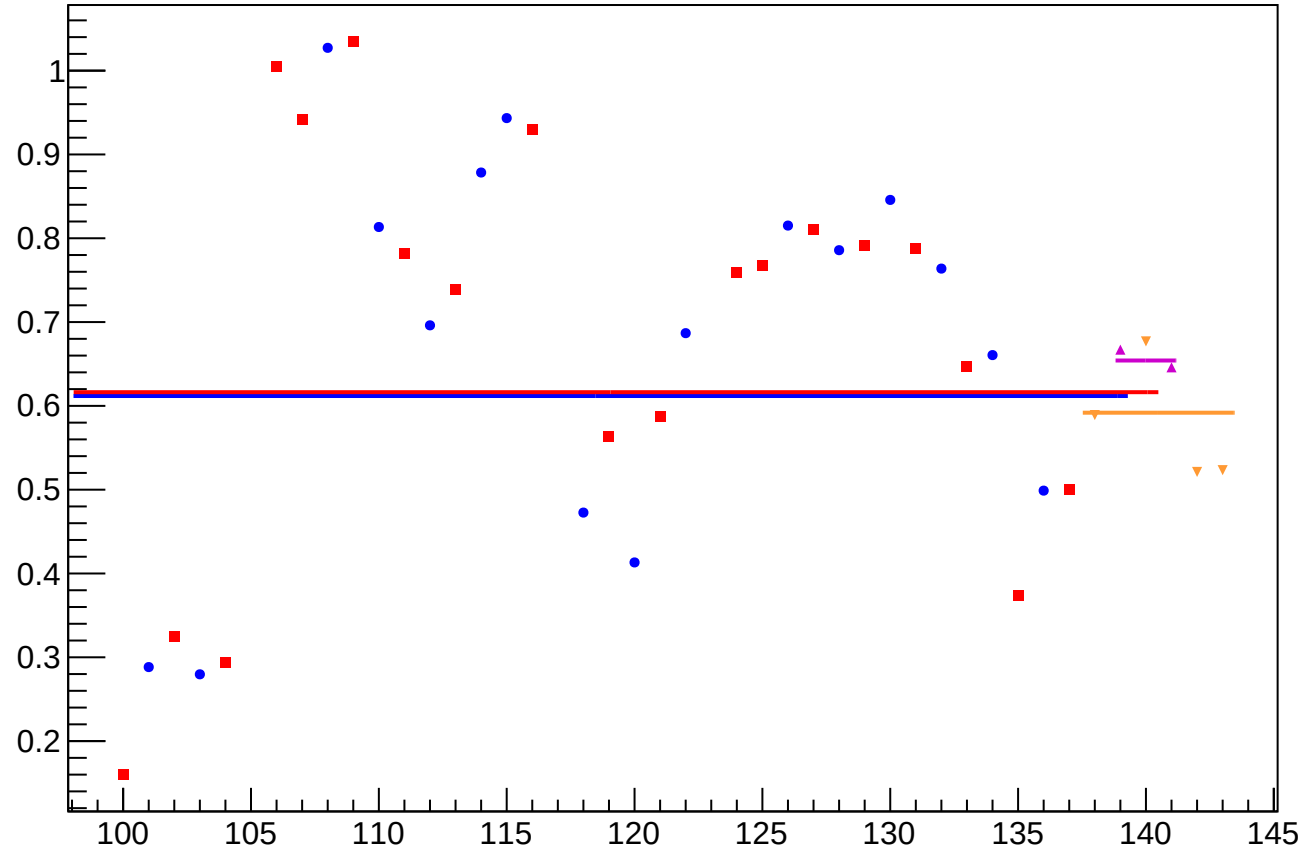
Left In: 0.018+/-0.000 χ^2/NDF:634.0/1

+ sign 0.015+/-0.000 χ^2/NDF: 634712.1/19

All: 0.014+/-0.000 χ^2/NDF: 1161969.1/40

- sign 0.014+/-0.000 χ^2/NDF: 502035.3/20

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.592+/-0.000 χ^2/NDF:154309593.1/3

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

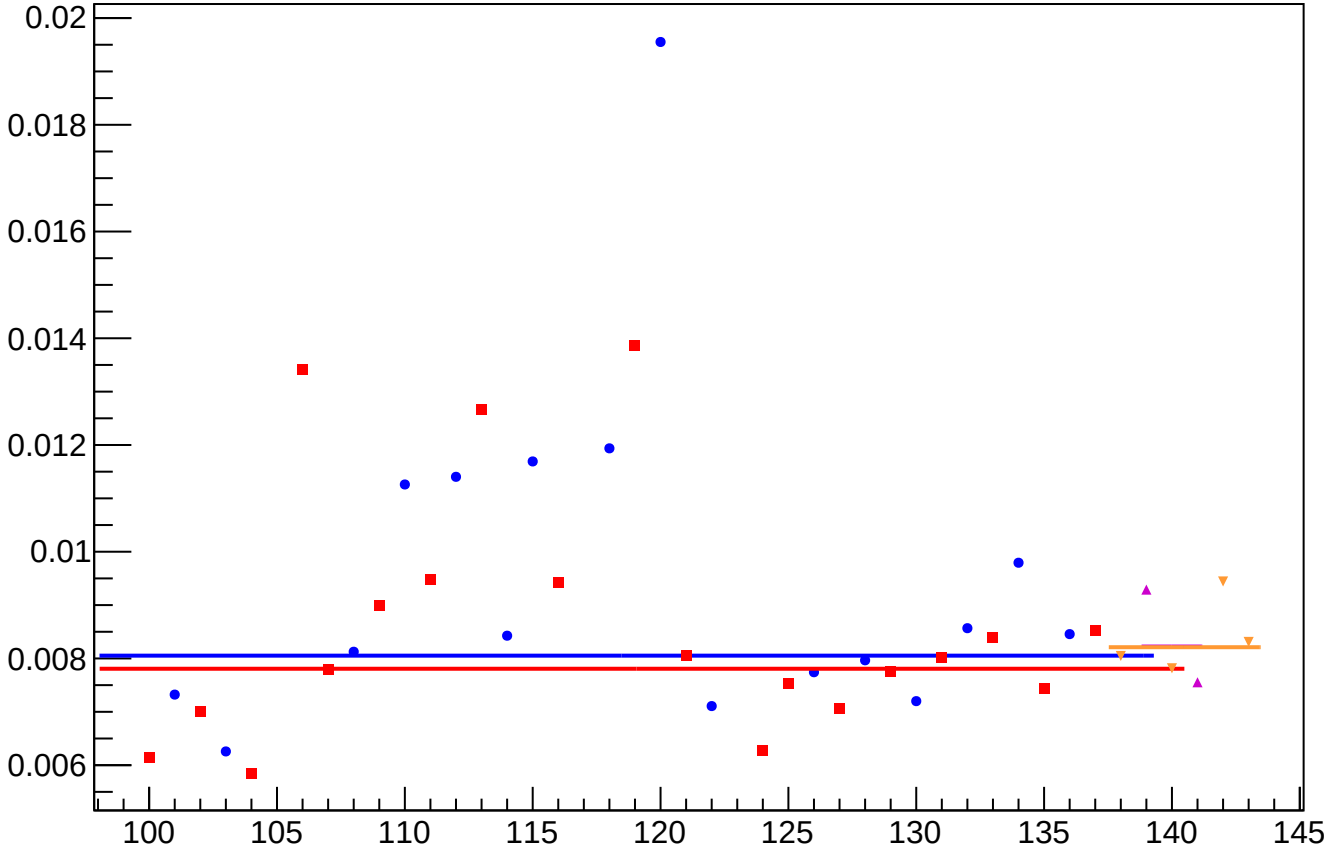
Left In: 0.654+/-0.000 χ^2/NDF:2335156.2/1

+ sign 0.606+/-0.000 χ^2/NDF: 5803642022.1/19

All: 0.614+/-0.000 χ^2/NDF: 12269418127.3/4

- sign 0.623+/-0.000 χ^2/NDF: 6447984917.3/20

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:17547.4/3

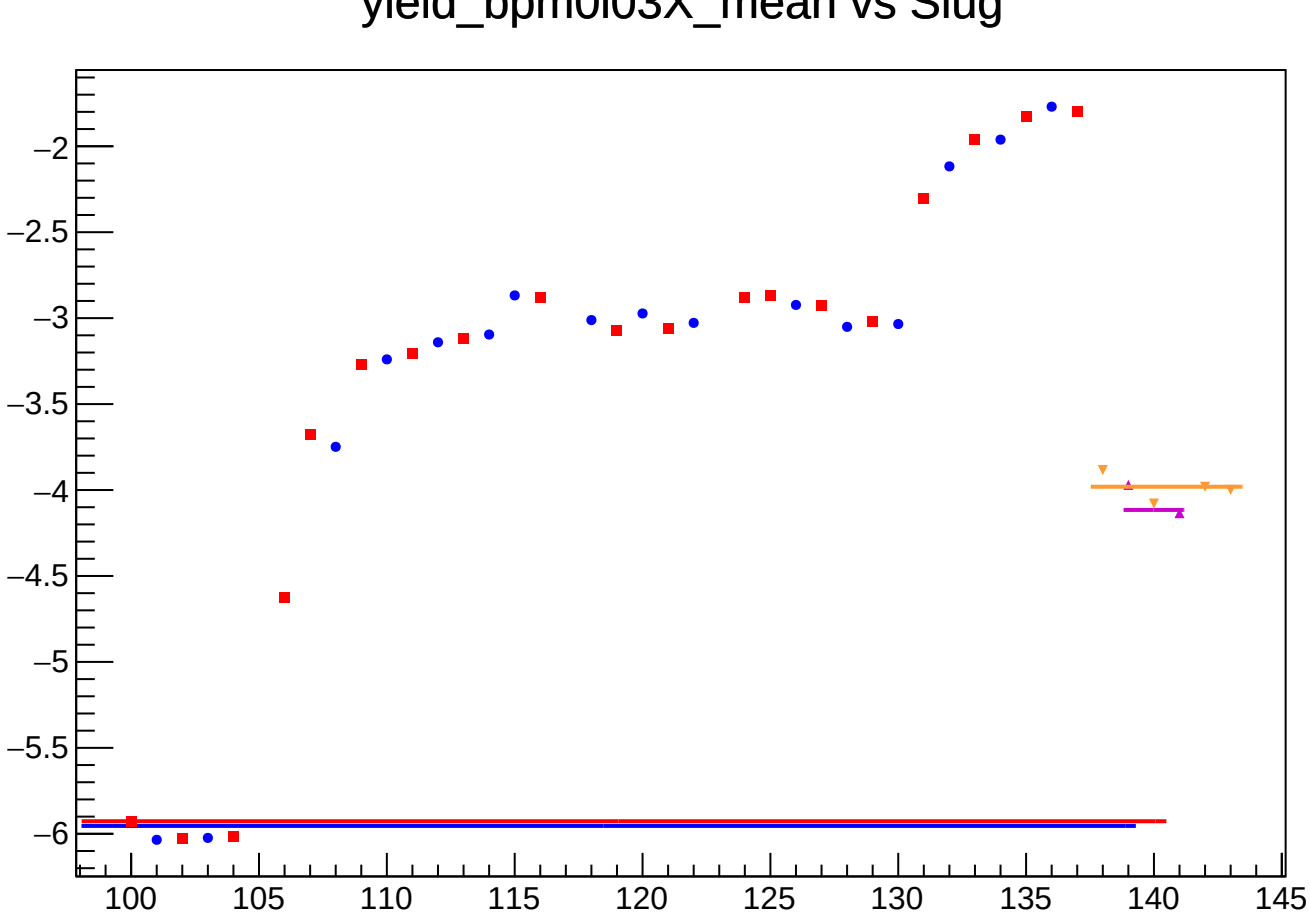
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:31625.3/1

+ sign 0.008+/-0.000 χ^2/NDF: 617156.3/19

All: 0.008+/-0.000 χ^2/NDF: 1248329.0/40

- sign 0.008+/-0.000 χ^2/NDF: 625122.3/20



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.981+/-0.000 χ^2/NDF:2077857.3/3

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

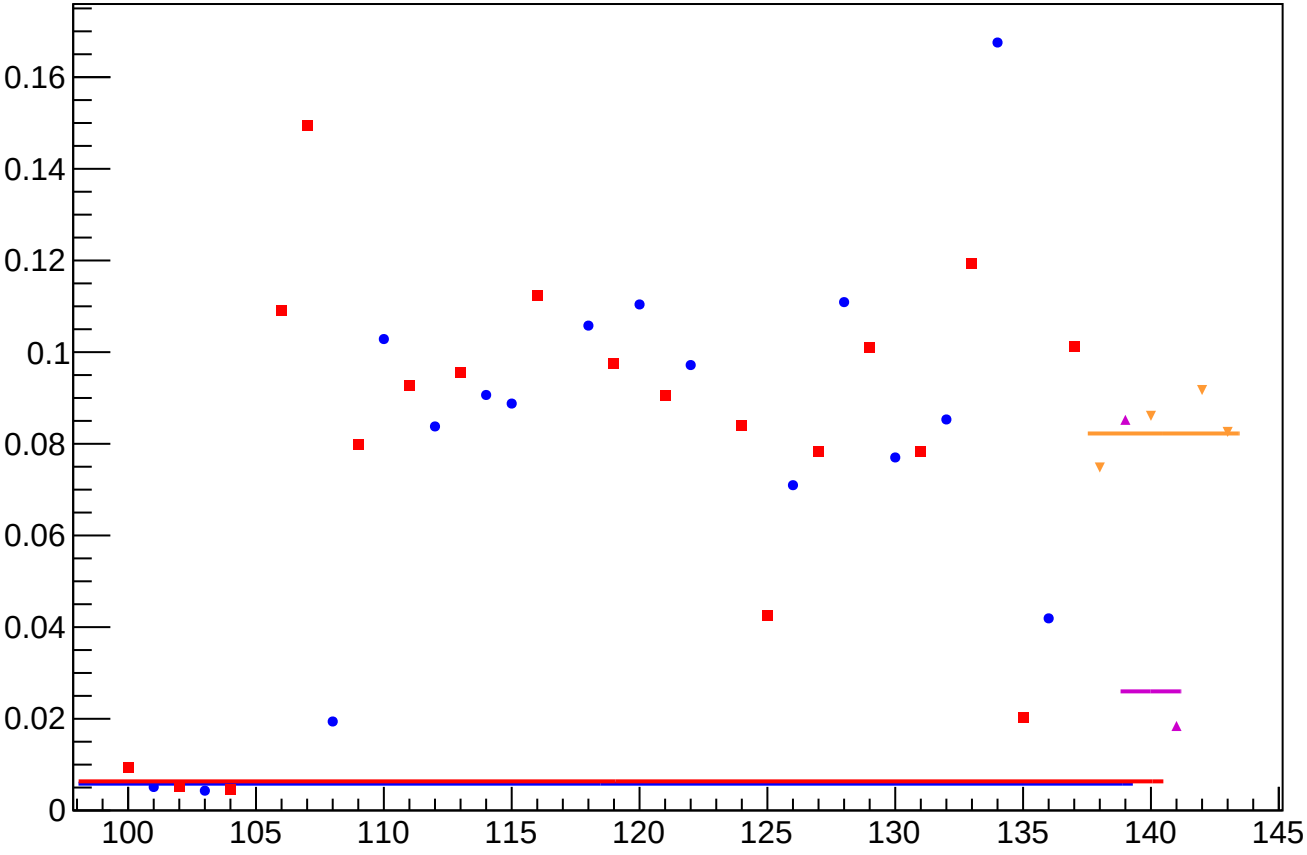
Left In: -4.116+/-0.000 χ^2/NDF:2078769.5/1

+ sign -5.940+/-0.000 χ^2/NDF: 14570354161.1/19

All: -5.919+/-0.000 χ^2/NDF: 31017139134.5/

- sign -5.895+/-0.000 χ^2/NDF: 16399082311.0/20

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.082+/-0.000 χ^2/NDF:25120.4/3

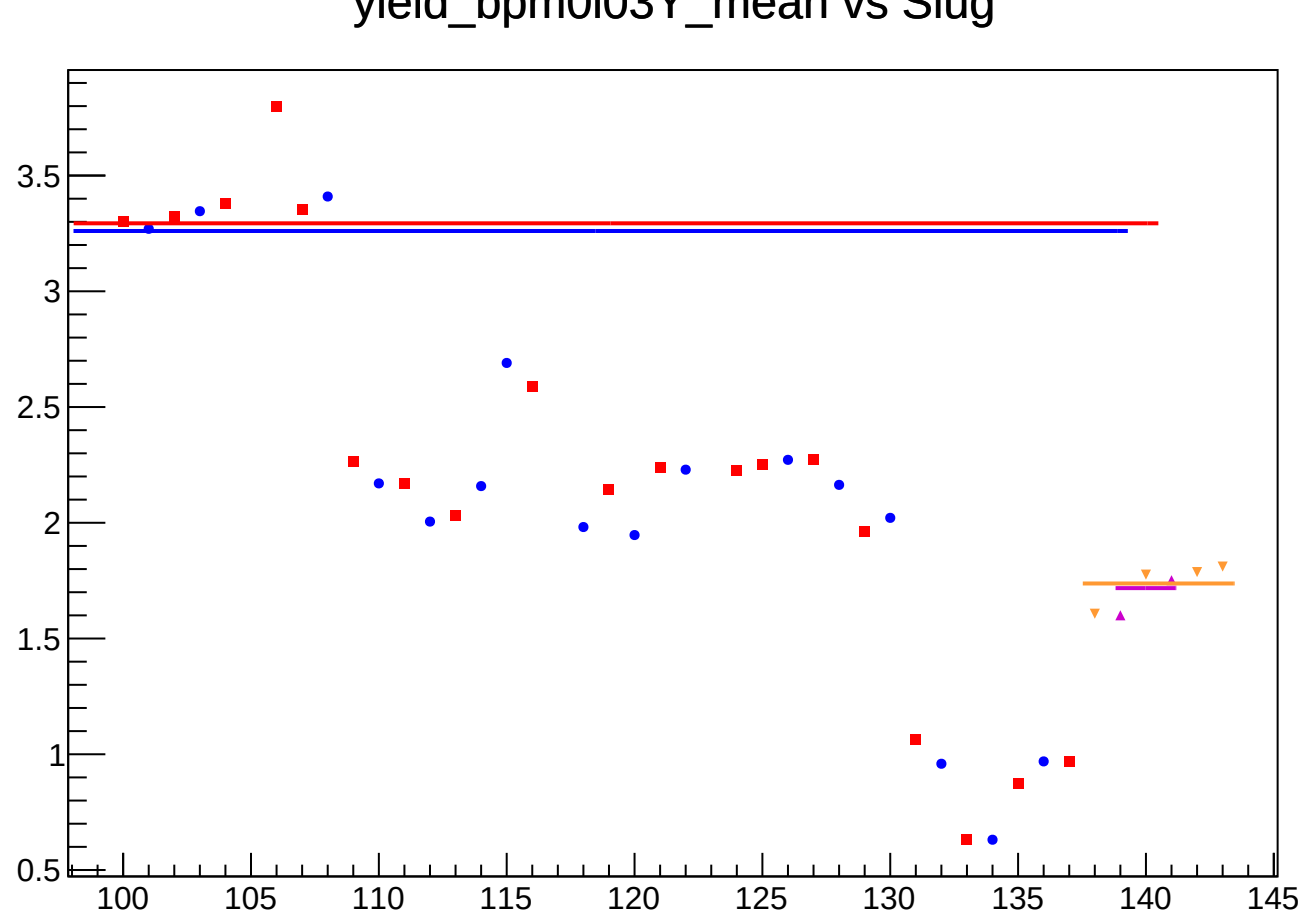
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.026+/-0.000 χ^2/NDF:687197.3/1

+ sign 0.006+/-0.000 χ^2/NDF: 13130046.2/19

All: 0.007+/-0.000 χ^2/NDF: 23154716.6/40

- sign 0.007+/-0.000 χ^2/NDF: 10020666.6/20



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.738+/-0.000 χ^2/NDF:2409910.0/3

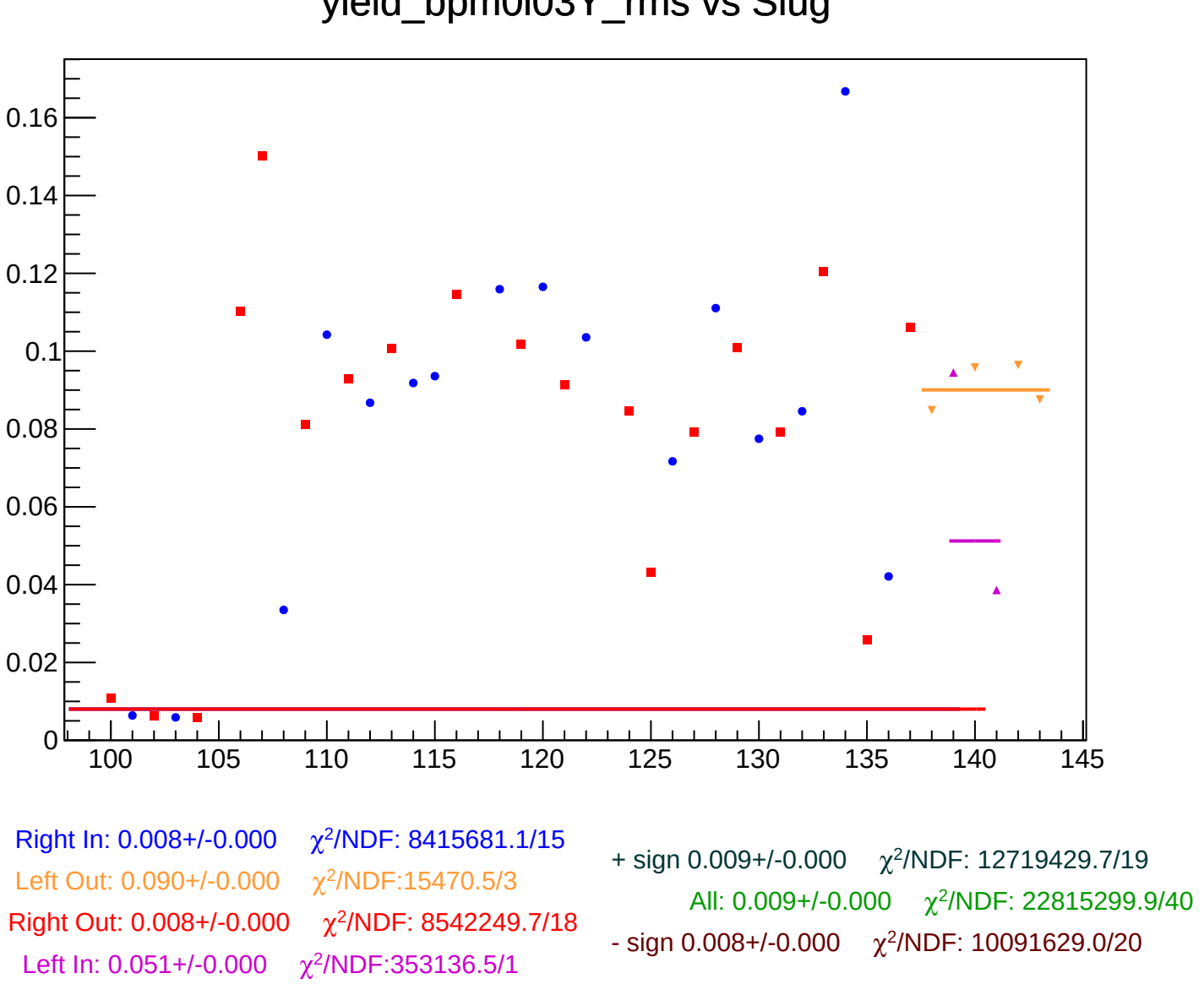
Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.718+/-0.000 χ^2/NDF:1299400.3/1

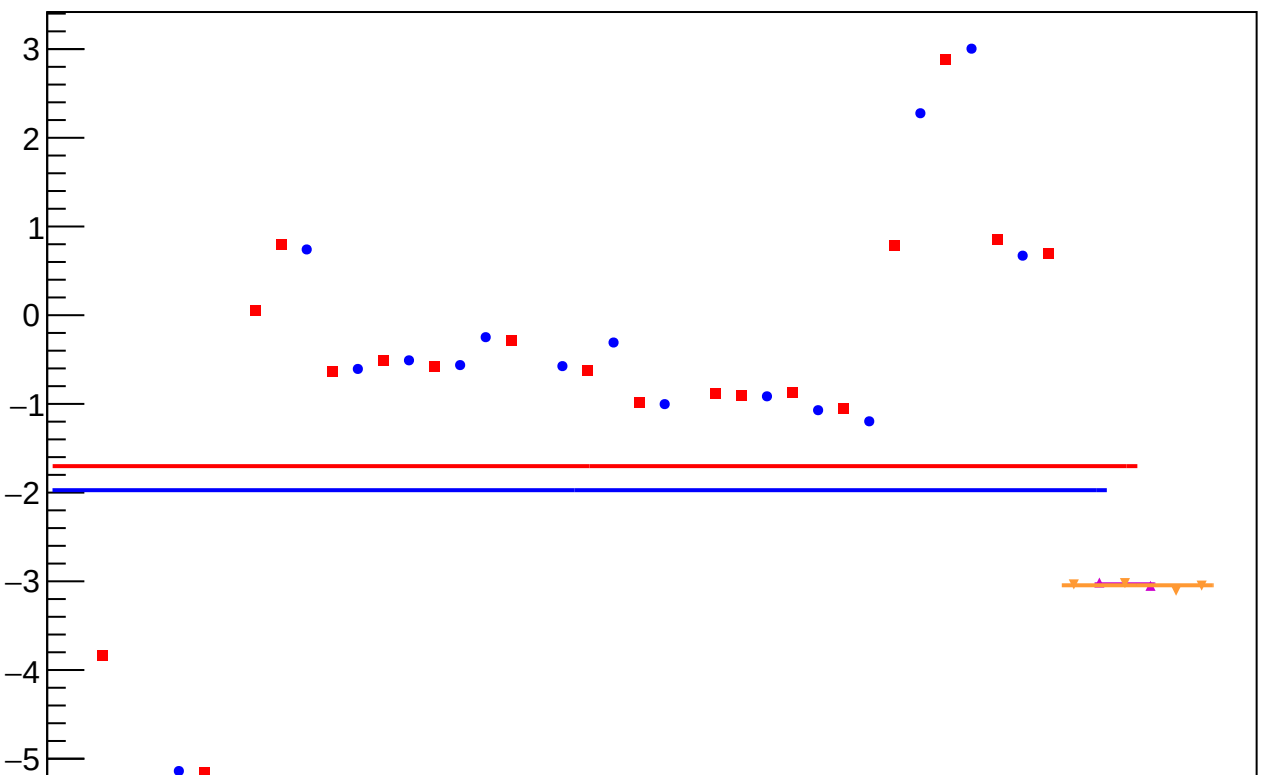
+ sign 3.245+/-0.000 χ^2/NDF: 3751033251.2/19

All: 3.260+/-0.000 χ^2/NDF: 7806806464.4/40

- sign 3.276+/-0.000 χ^2/NDF: 4040619673.9/20


yield_bpm0l03Y_rms vs Slug
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: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.090+/-0.000 χ²/NDF:15470.5/3
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.051+/-0.000 χ²/NDF:353136.5/1
+ sign 0.009+/-0.000 χ²/NDF: 12719429.7/19
All: 0.009+/-0.000 χ²/NDF: 22815299.9/40
- sign 0.008+/-0.000 χ²/NDF: 10091629.0/20

yield_bpm0l04X_mean vs Slug



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.045+/-0.000 χ^2/NDF:35329367.0/3

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

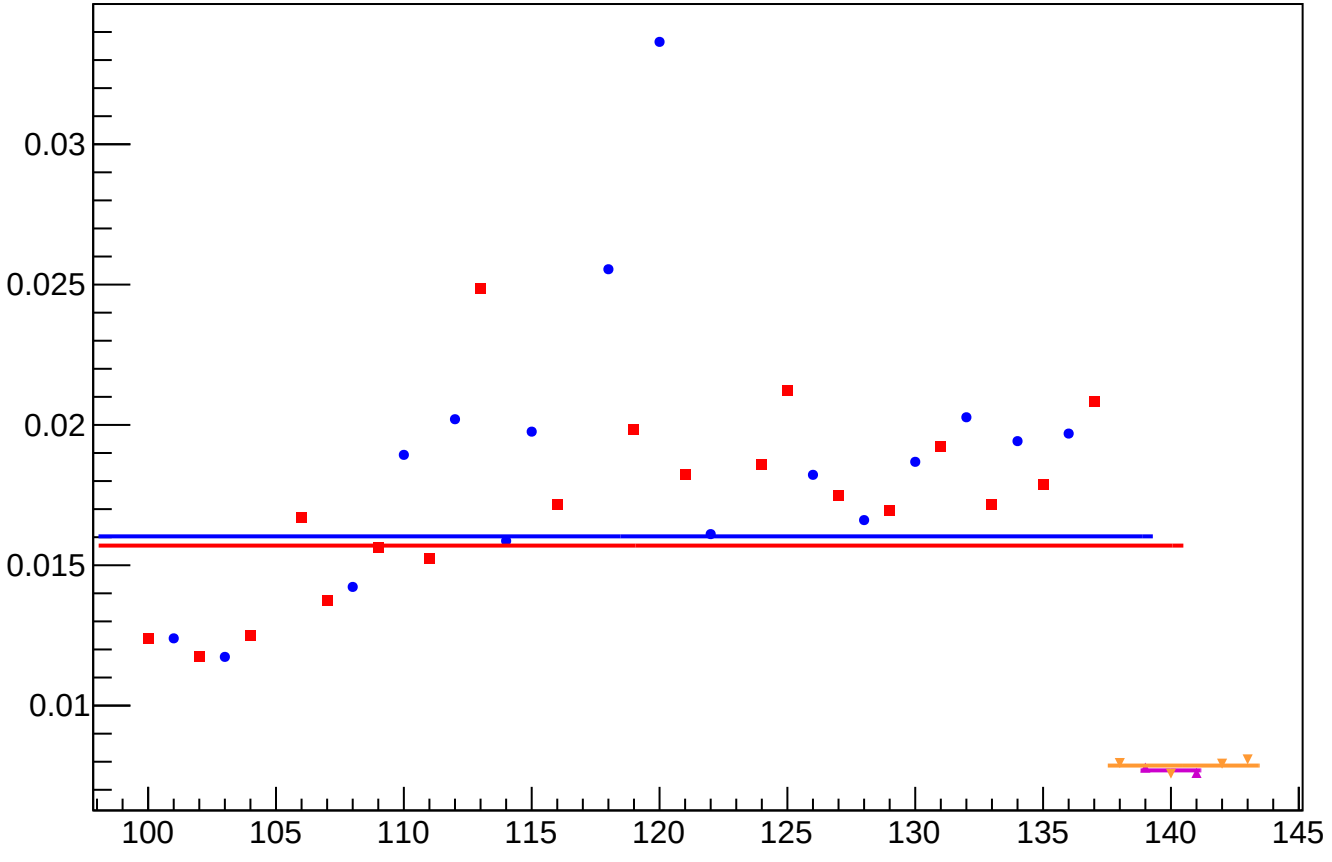
Left In: -3.033+/-0.000 χ^2/NDF:9634122.4/1

+ sign -2.684+/-0.000 χ^2/NDF: 179297788204.2/19

All: -2.558+/-0.000 χ^2/NDF: 373940723986.8

- sign -2.401+/-0.000 χ^2/NDF: 192221941187.7/20

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:3771.0/3

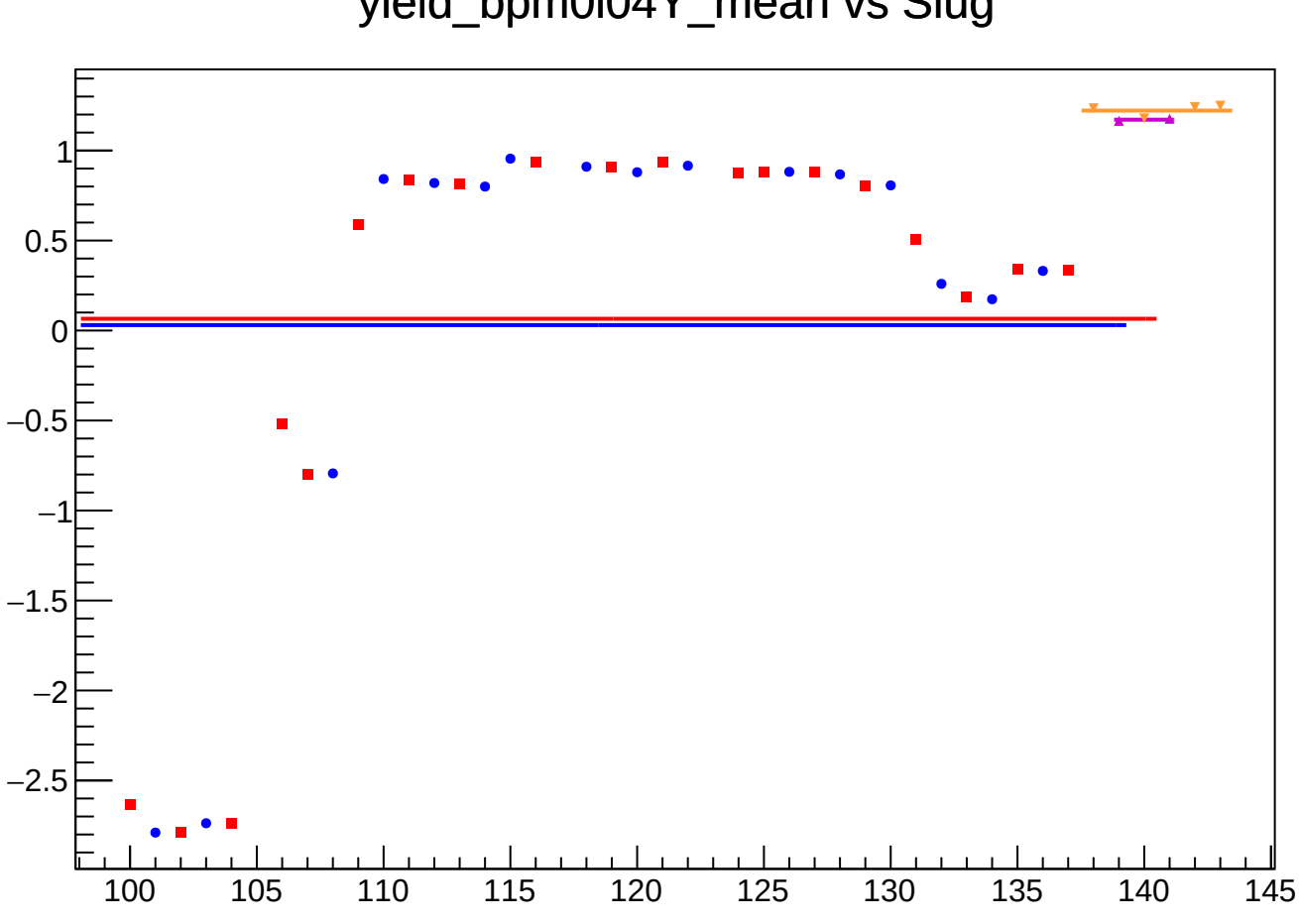
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:513.9/1

+ sign 0.011+/-0.000 χ^2/NDF: 2745677.0/19

All: 0.011+/-0.000 χ^2/NDF: 5038599.8/40

- sign 0.011+/-0.000 χ^2/NDF: 2245524.5/20



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.222+/-0.000 χ^2/NDF:32581920.3/3

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

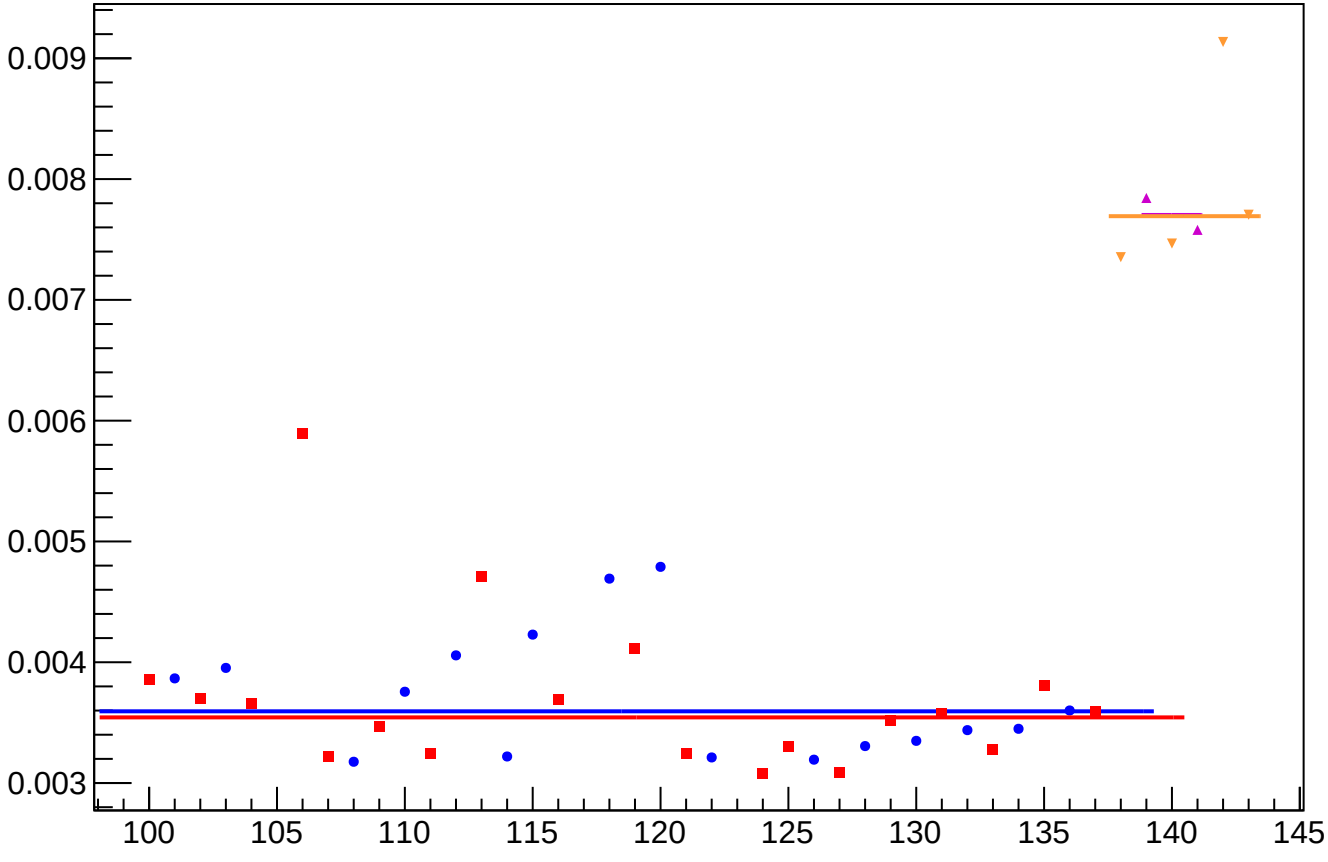
Left In: 1.171+/-0.000 χ^2/NDF:763039.2/1

+ sign 0.110+/-0.000 χ^2/NDF: 901348516411.1/19

All: 0.110+/-0.000 χ^2/NDF: 1863830416718.

- sign 0.109+/-0.000 χ^2/NDF: 962481459016.9/20

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:21718.0/3

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

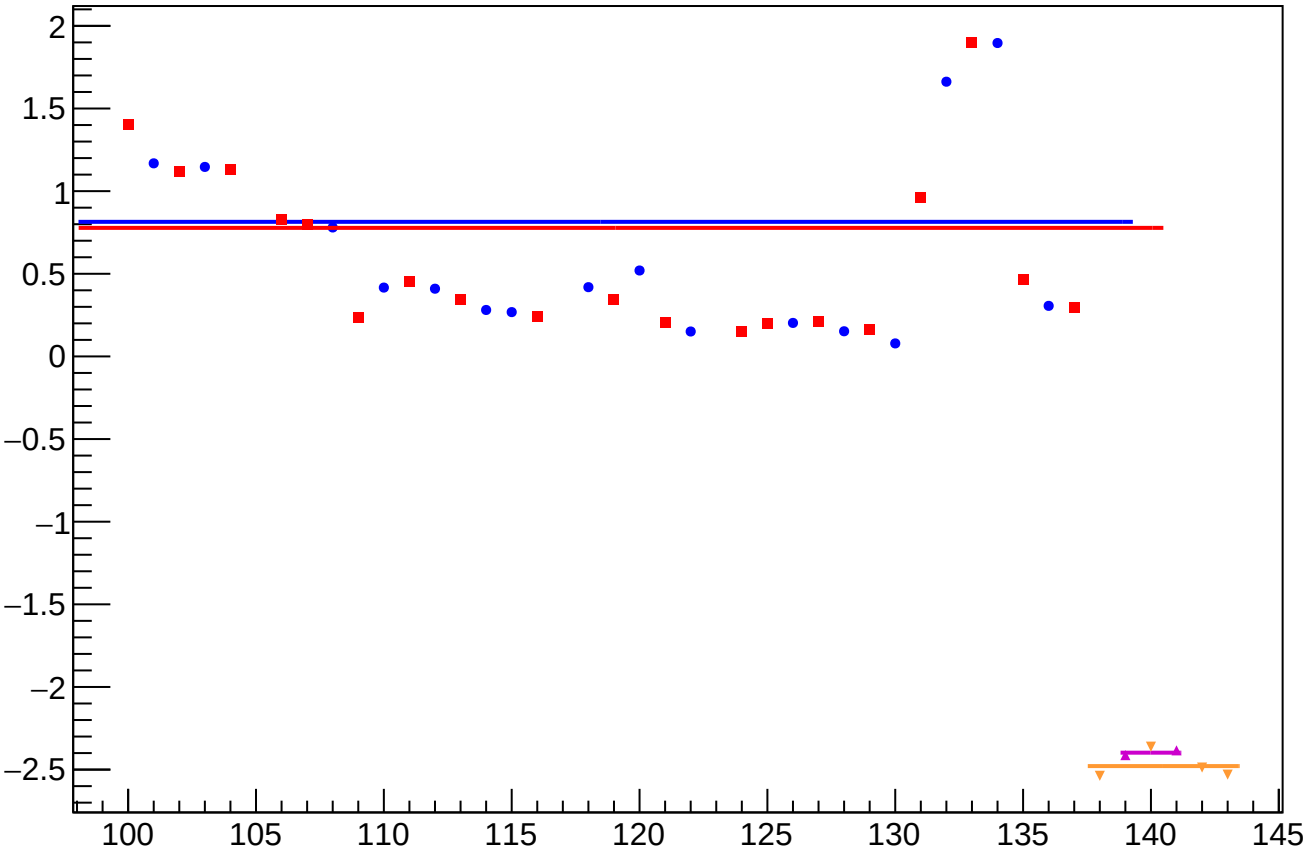
Left In: 0.008+/-0.000 χ^2/NDF:797.9/1

+ sign 0.004+/-0.000 χ^2/NDF: 1376660.4/19

All: 0.004+/-0.000 χ^2/NDF: 2380819.8/40

- sign 0.004+/-0.000 χ^2/NDF: 989334.6/20

yield_bpm0l05X_mean vs Slug



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.479+/-0.000 χ^2/NDF:255146117.7/3

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

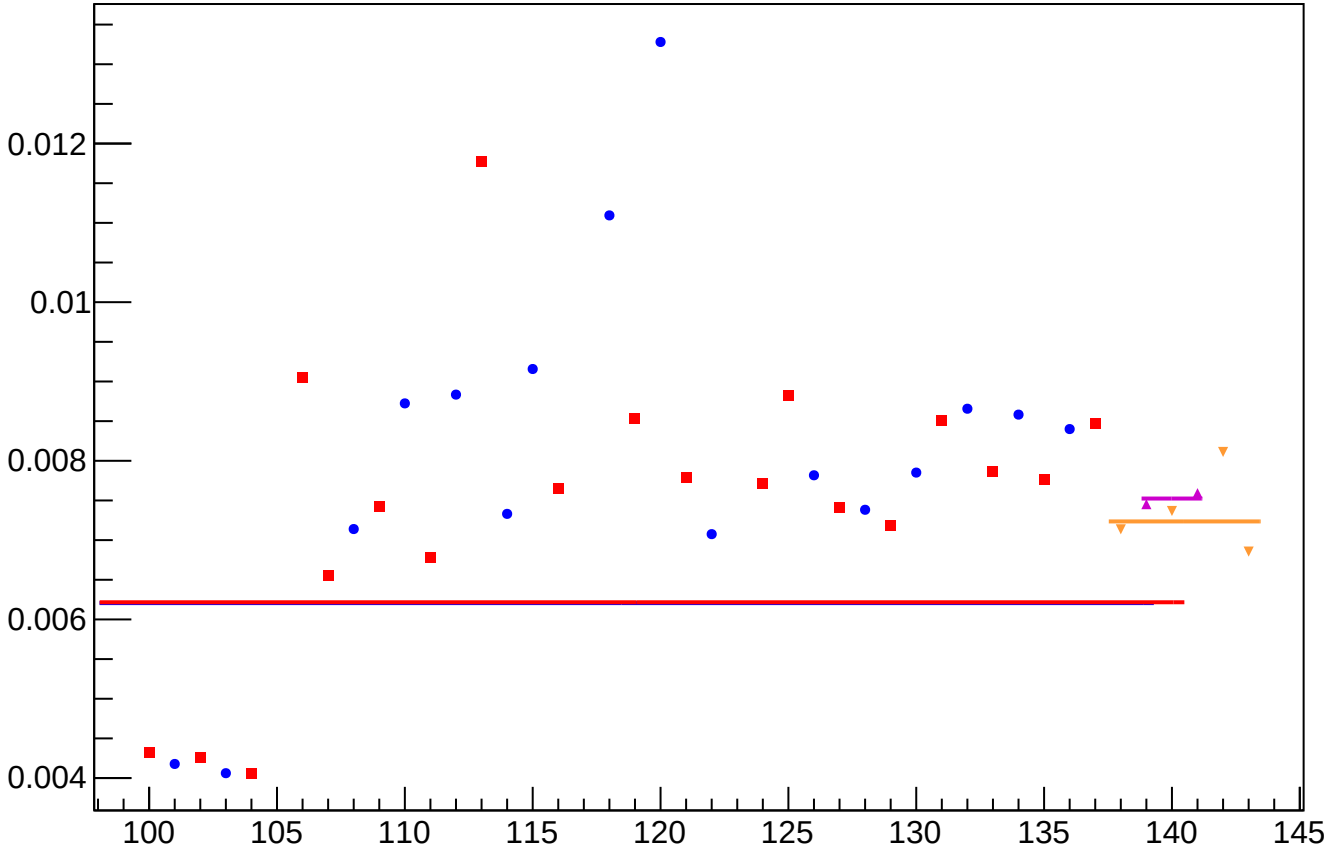
Left In: -2.398+/-0.000 χ^2/NDF:5363814.3/1

+ sign 0.038+/-0.000 χ^2/NDF: 404450452171.3/19

All: 0.180+/-0.000 χ^2/NDF: 668917104543.3

- sign 0.328+/-0.000 χ^2/NDF: 256713609107.2/20

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:13276.8/3

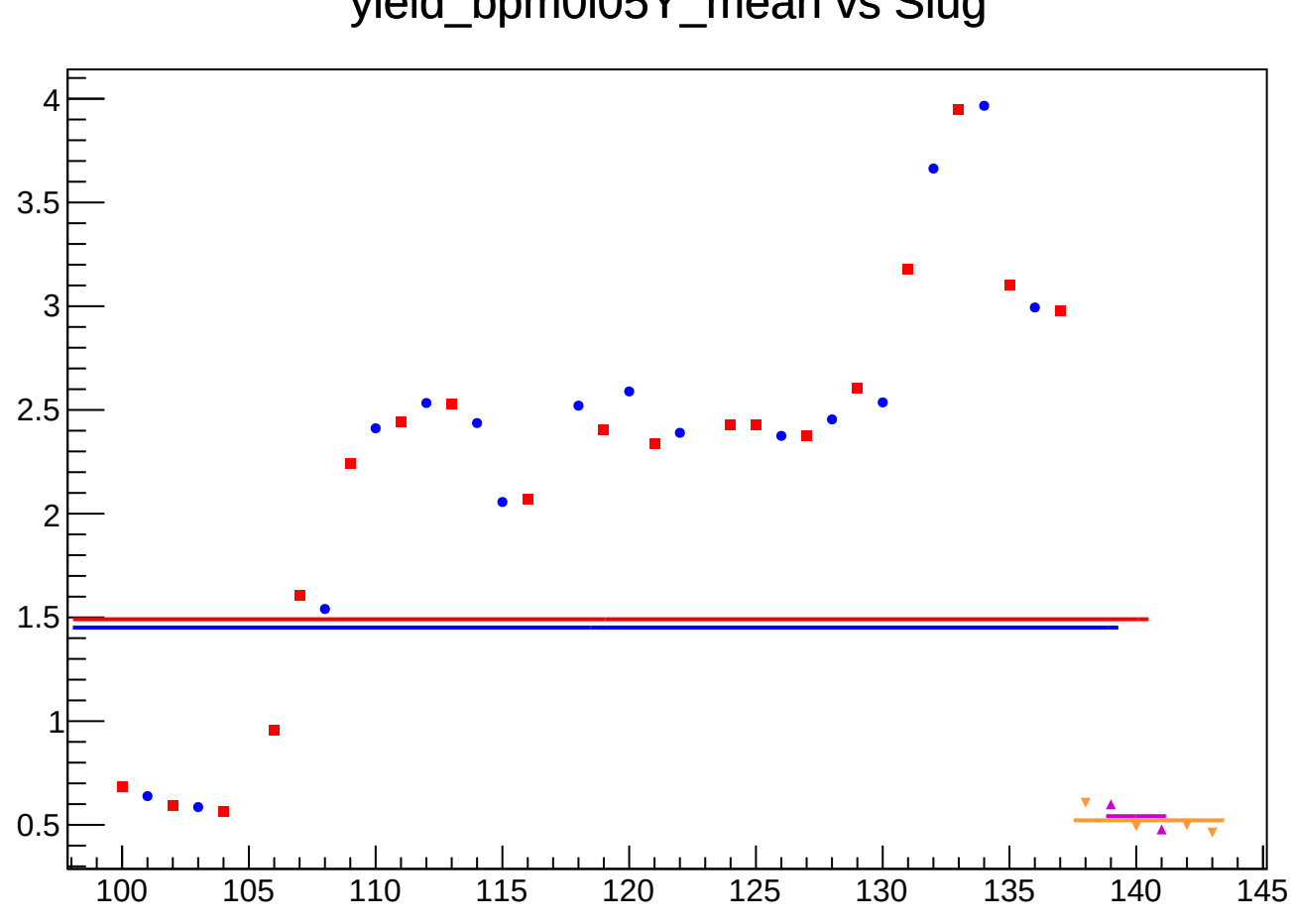
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.008+/-0.000 χ^2/NDF:247.0/1

+ sign 0.006+/-0.000 χ^2/NDF: 1509261.6/19

All: 0.006+/-0.000 χ^2/NDF: 2746385.9/40

- sign 0.006+/-0.000 χ^2/NDF: 1236716.1/20



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.522+/-0.000 χ^2/NDF:162032296.8/3

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

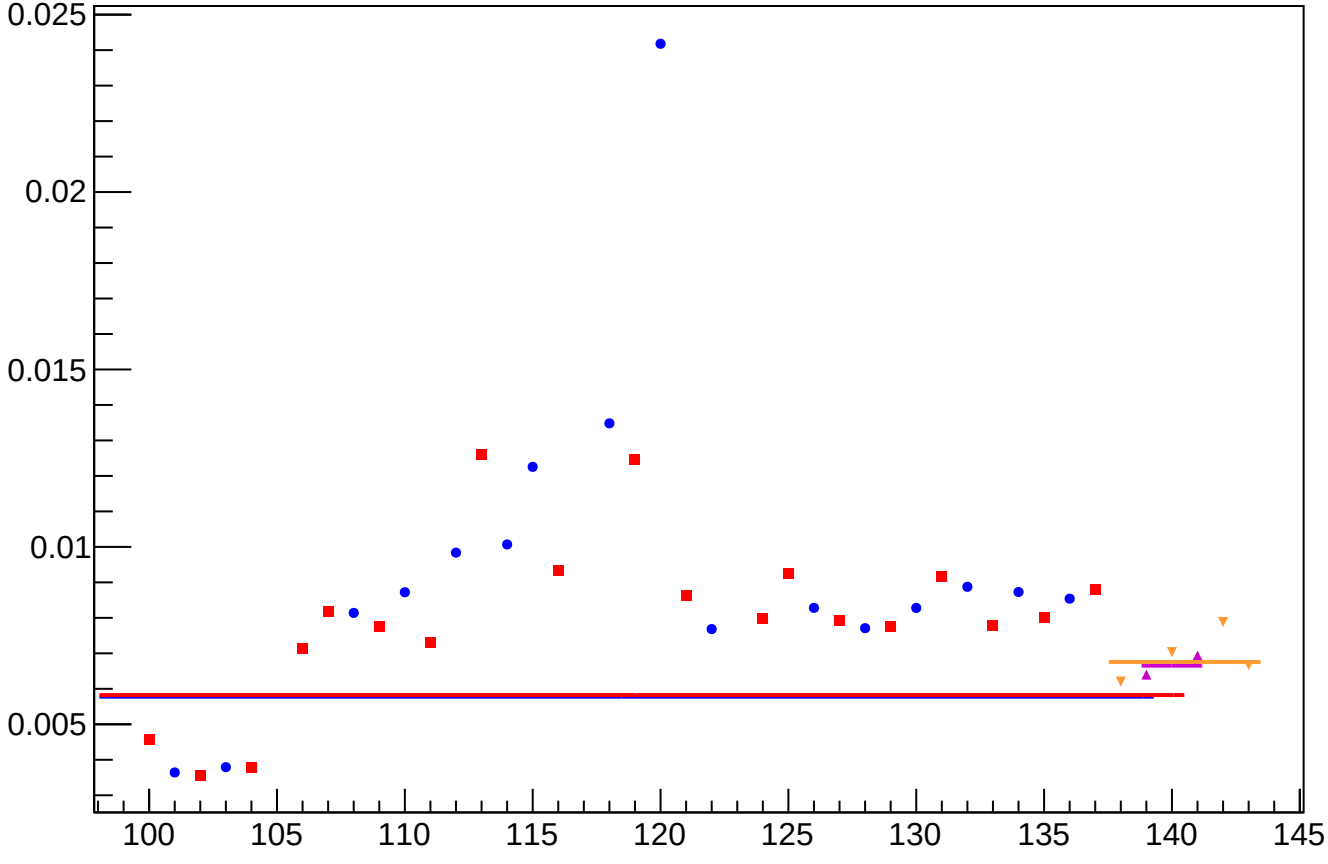
Left In: 0.542+/-0.000 χ^2/NDF:100612102.4/1

+ sign 1.238+/-0.000 χ^2/NDF: 199426764105.4/19

All: 1.294+/-0.000 χ^2/NDF: 409015993681.2

- sign 1.352+/-0.000 χ^2/NDF: 208337820667.0/20

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:24524.7/3

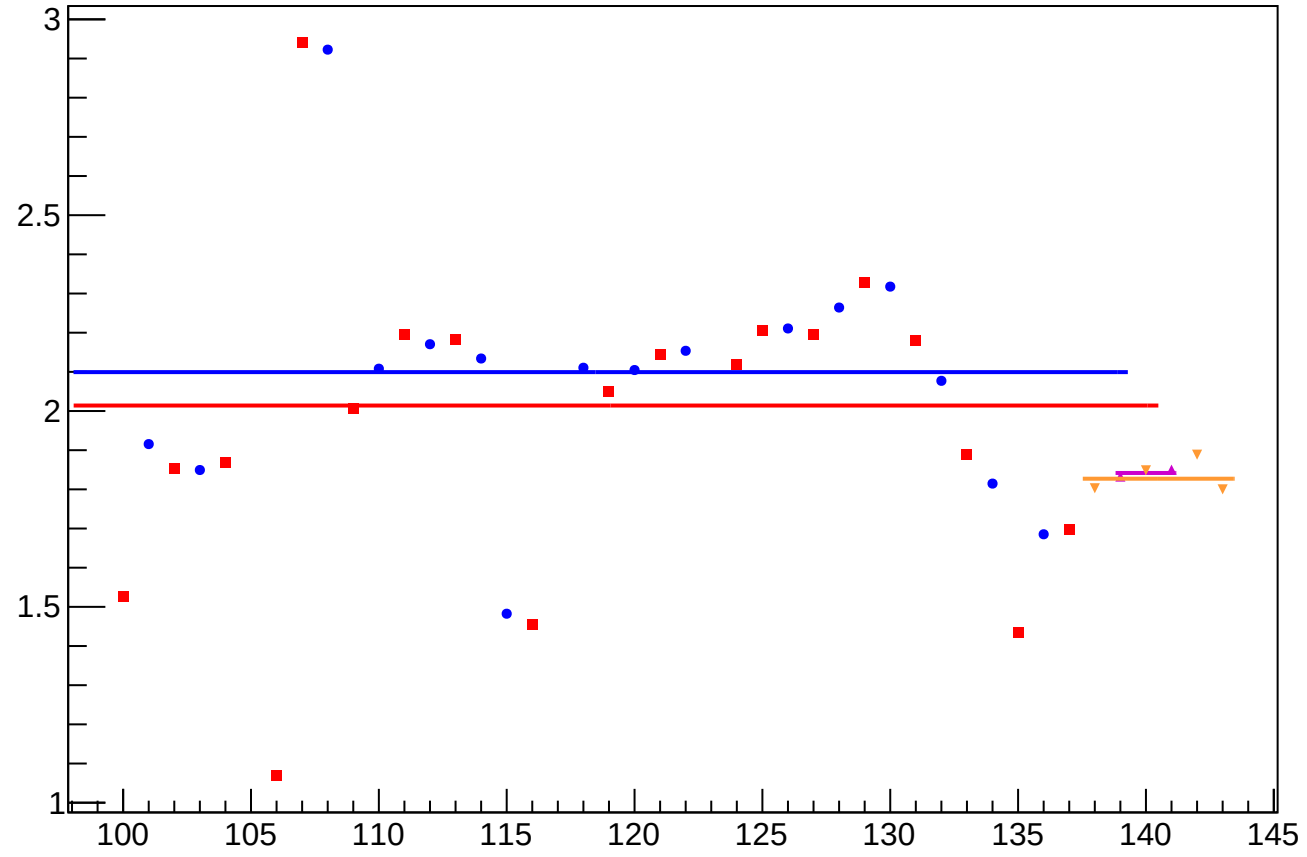
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:3952.3/1

+ sign 0.006+/-0.000 χ^2/NDF: 2304001.6/19

All: 0.006+/-0.000 χ^2/NDF: 4296939.3/40

- sign 0.006+/-0.000 χ^2/NDF: 1992265.8/20



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 1.827+/-0.000 χ^2/NDF:33304495.5/3

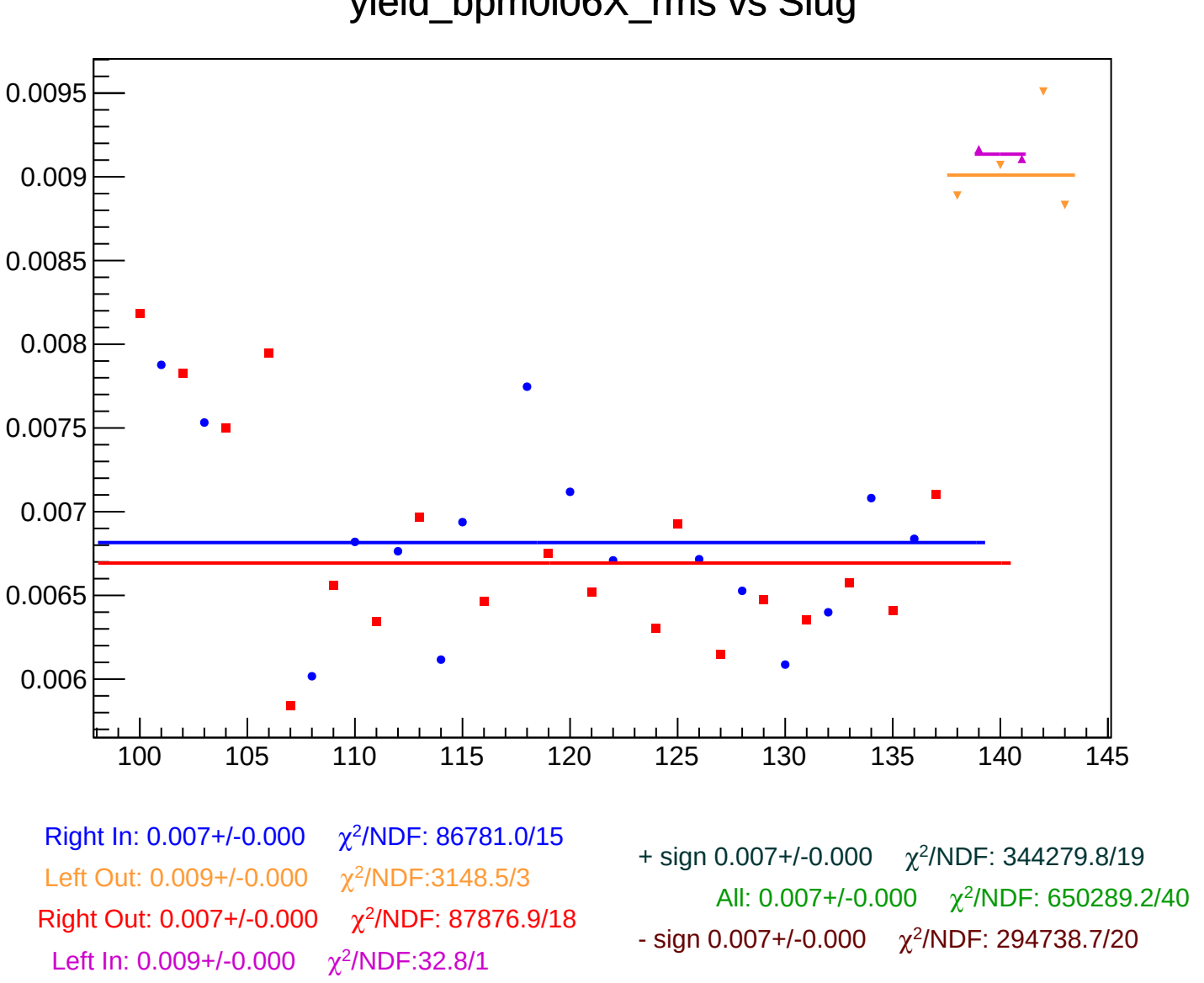
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

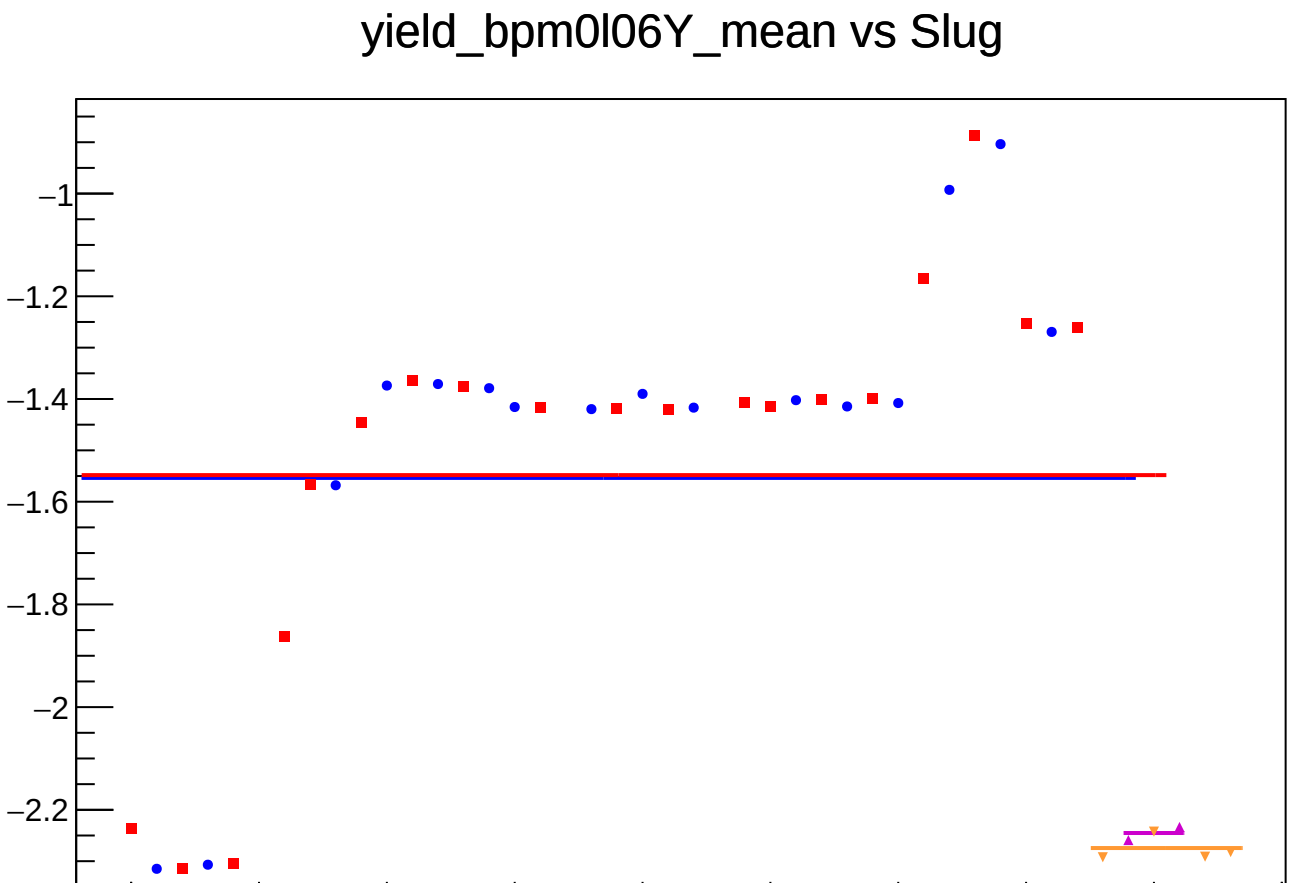
Left In: 1.842+/-0.000 χ^2/NDF:1530330.4/1

+ sign 2.050+/-0.000 χ^2/NDF: 15917278683.8/19

All: 2.023+/-0.000 χ^2/NDF: 36321270551.0/4

- sign 1.995+/-0.000 χ^2/NDF: 20131521294.9/20


yield_bpm0l06X_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
100
105
110
115
120
125
130
135
140
145
Right In: 0.007+/-0.000 χ²/NDF: 86781.0/15
Left Out: 0.009+/-0.000 χ²/NDF:3148.5/3
Right Out: 0.007+/-0.000 χ²/NDF: 87876.9/18
Left In: 0.009+/-0.000 χ²/NDF:32.8/1
+ sign 0.007+/-0.000 χ²/NDF: 344279.8/19
All: 0.007+/-0.000 χ²/NDF: 650289.2/40
- sign 0.007+/-0.000 χ²/NDF: 294738.7/20



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.274+/-0.000 χ^2/NDF:112309913.3/3

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

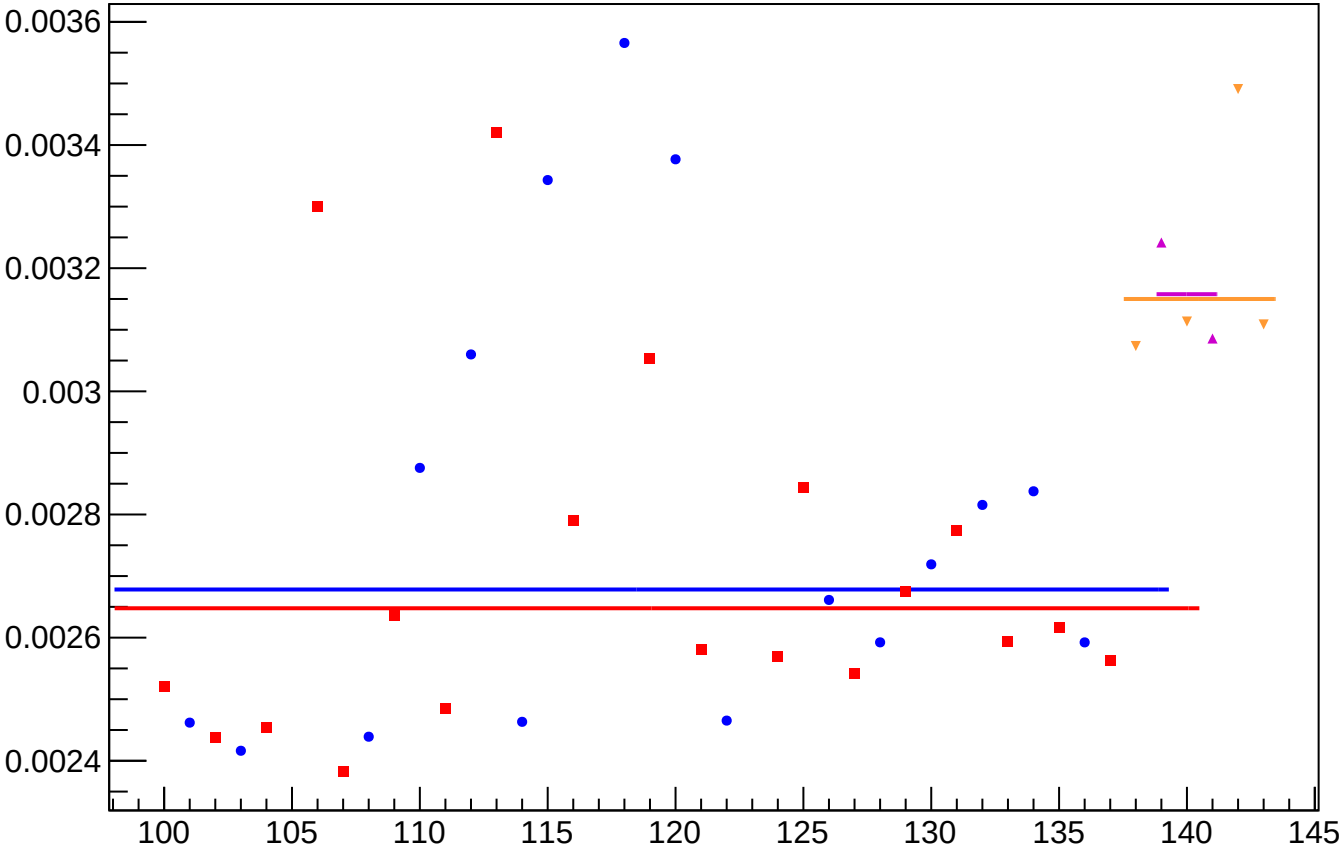
Left In: -2.245+/-0.000 χ^2/NDF:24866259.0/1

+ sign -1.705+/-0.000 χ^2/NDF: 277530123919.5/19

All: -1.673+/-0.000 χ^2/NDF: 519032904268.

- sign -1.640+/-0.000 χ^2/NDF: 239047618606.7/20

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:8801.7/3

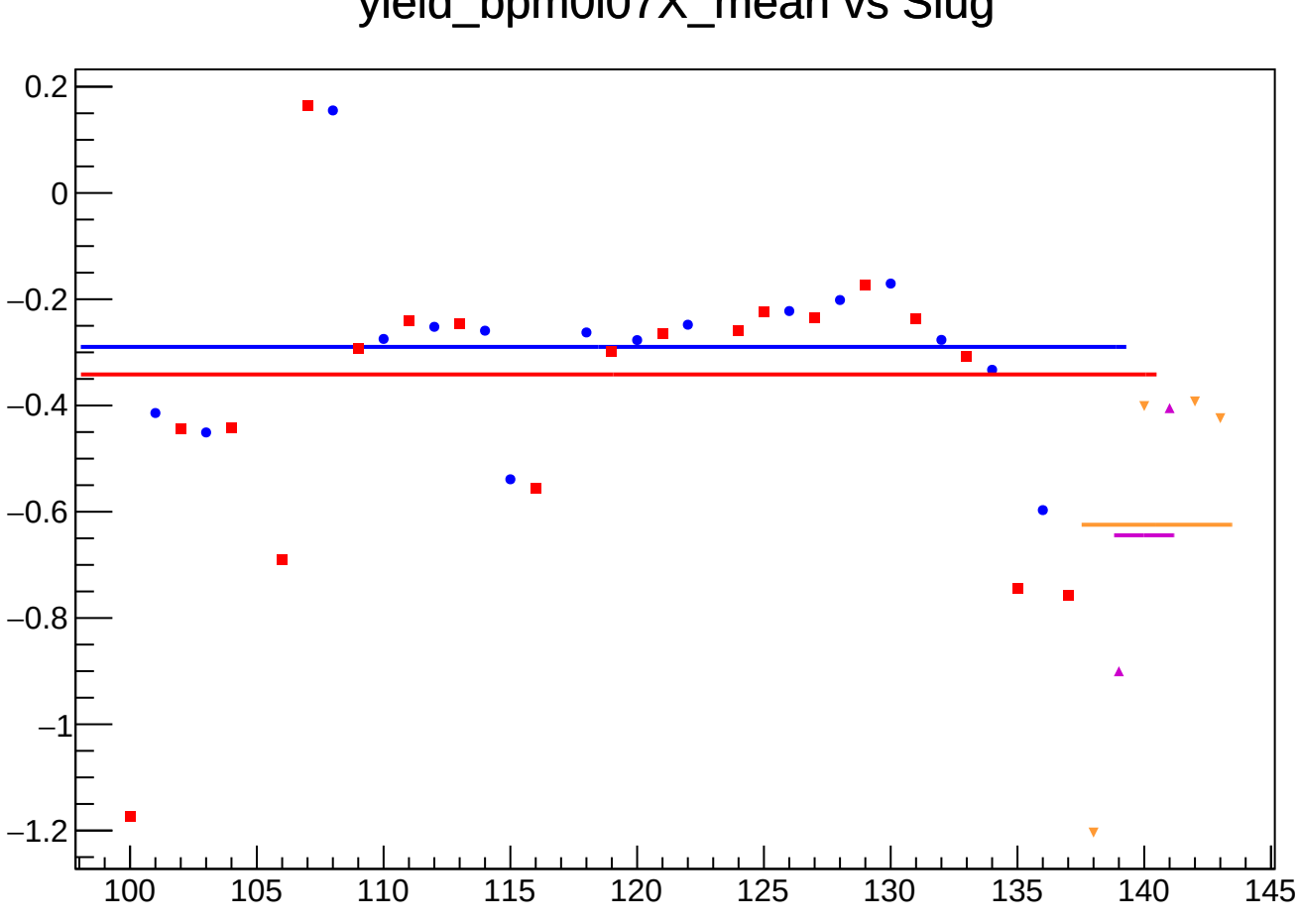
Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:1843.0/1

+ sign 0.003+/-0.000 χ^2/NDF: 254295.9/19

All: 0.003+/-0.000 χ^2/NDF: 445680.4/40

- sign 0.003+/-0.000 χ^2/NDF: 186857.9/20



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.624+/-0.000 χ^2/NDF:1454921790.9/3

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

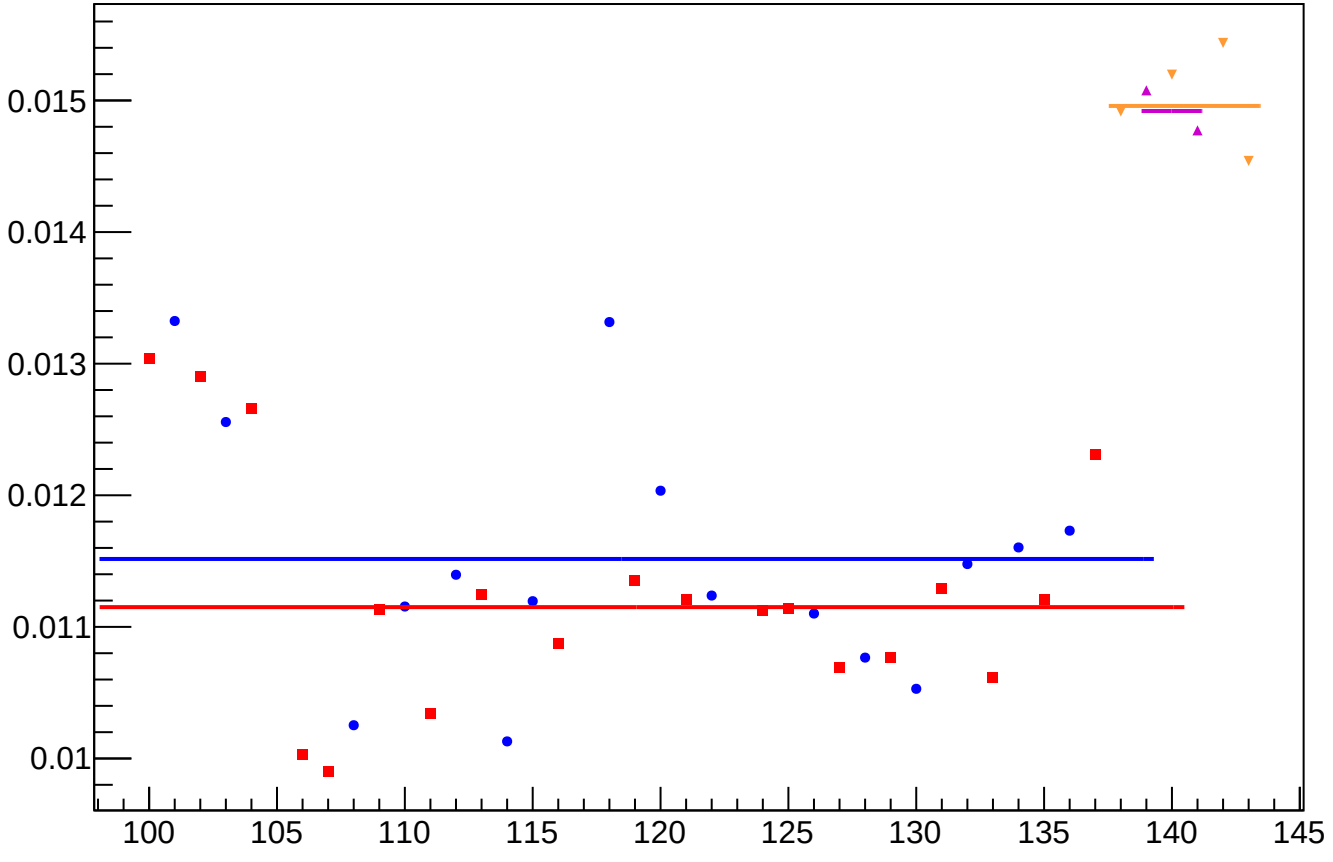
Left In: -0.644+/-0.000 χ^2/NDF:444730601.5/1

+ sign -0.351+/-0.000 χ^2/NDF: 4165592445.6/19

All: -0.363+/-0.000 χ^2/NDF: 7830052668.2/4

- sign -0.375+/-0.000 χ^2/NDF: 3645423242.4/20

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:2389.7/3

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

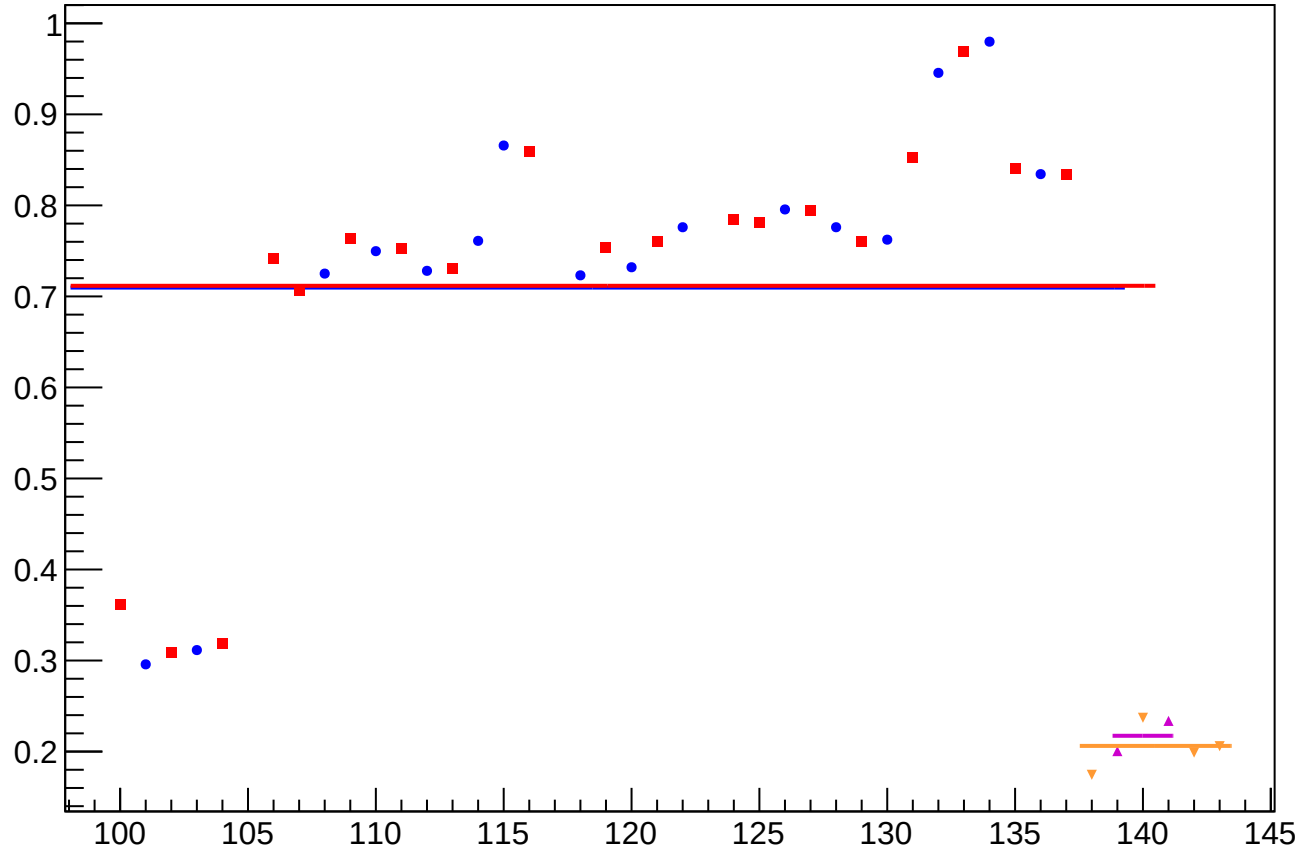
Left In: 0.015+/-0.000 χ^2/NDF:335.7/1

+ sign 0.012+/-0.000 χ^2/NDF: 312043.2/19

All: 0.012+/-0.000 χ^2/NDF: 587968.7/40

- sign 0.012+/-0.000 χ^2/NDF: 254406.0/20

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.206+/-0.000 χ^2/NDF:385389051.7/3

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

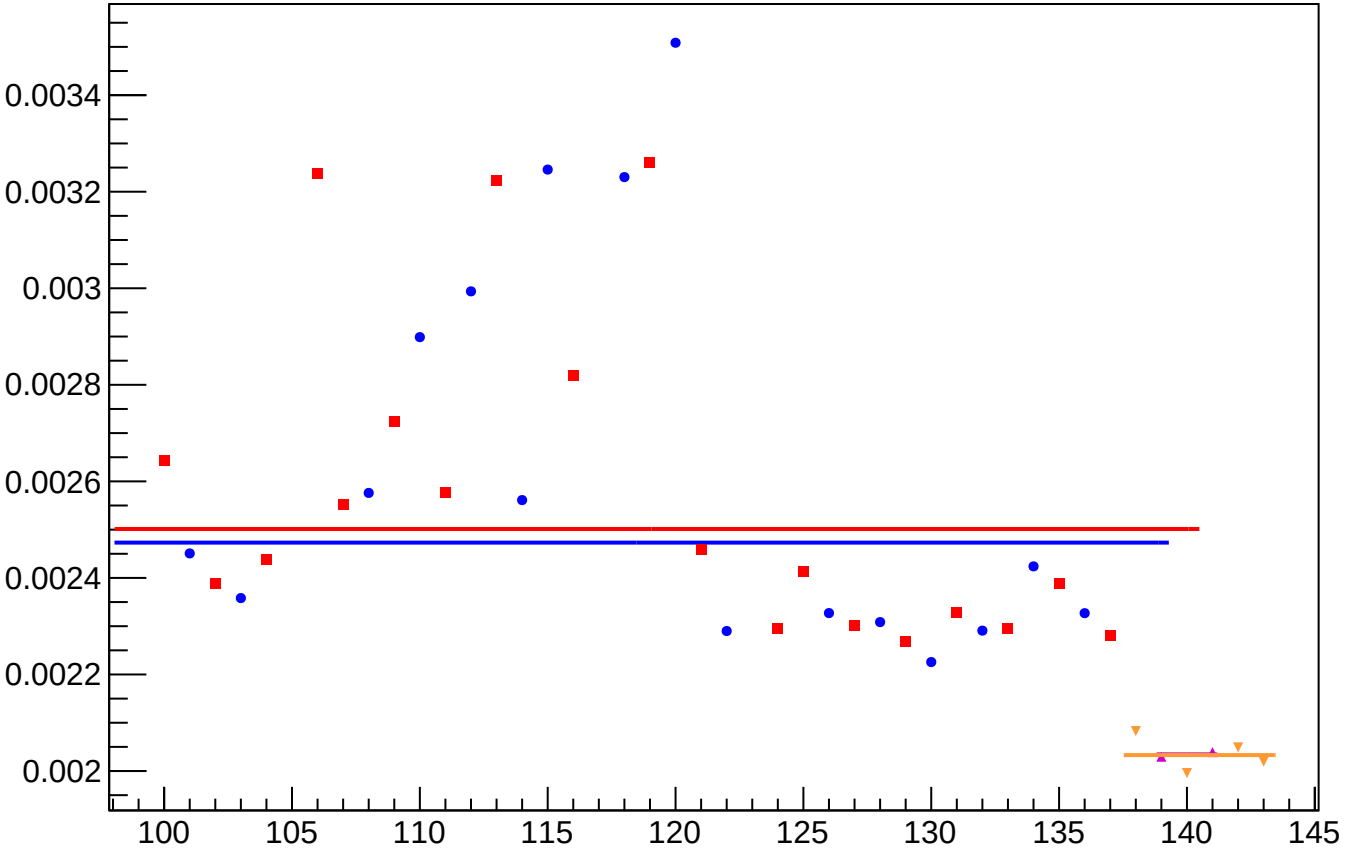
Left In: 0.217+/-0.000 χ^2/NDF:114332880.9/1

+ sign 0.517+/-0.000 χ^2/NDF: 157404293490.0/19

All: 0.545+/-0.000 χ^2/NDF: 278886980167.0

- sign 0.578+/-0.000 χ^2/NDF: 118367980868.9/20

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:1588.3/3

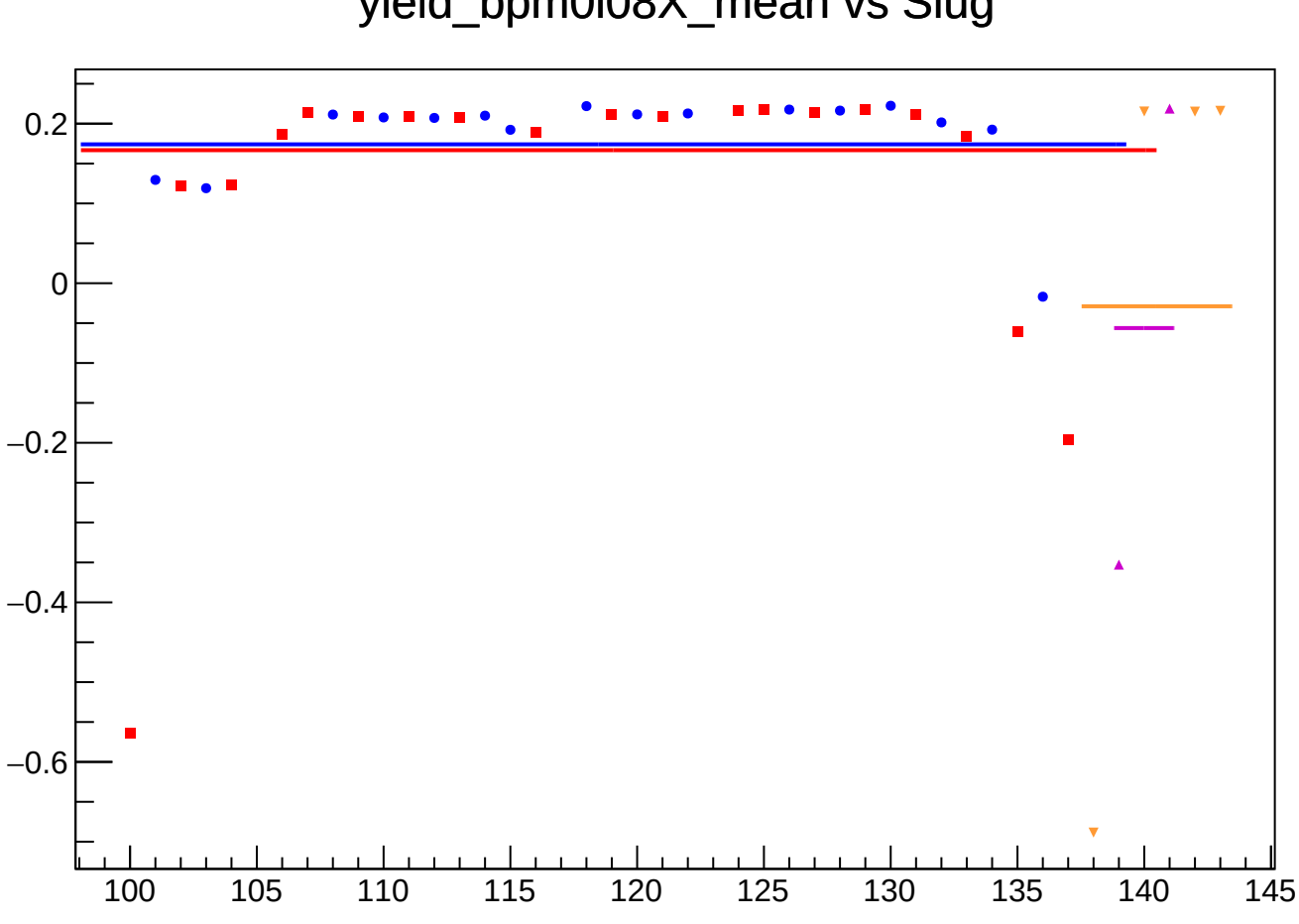
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:18.8/1

+ sign 0.002+/-0.000 χ^2/NDF: 374812.8/19

All: 0.002+/-0.000 χ^2/NDF: 692685.5/40

- sign 0.002+/-0.000 χ^2/NDF: 309574.0/20



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.029+/-0.000 χ^2/NDF:2321113585.4/3

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

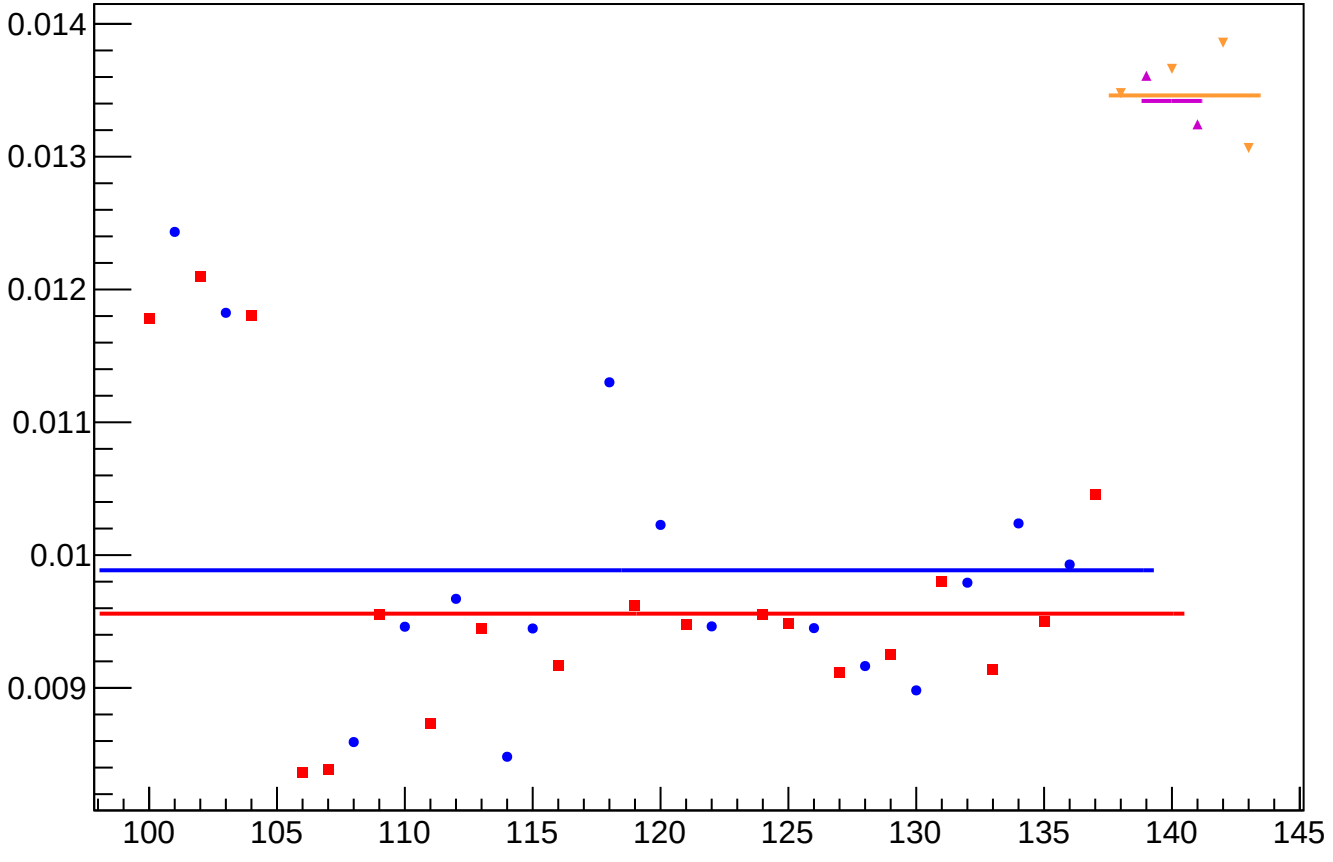
Left In: -0.056+/-0.000 χ^2/NDF:734641933.7/1

+ sign 0.140+/-0.000 χ^2/NDF: 3215232549.2/19

All: 0.142+/-0.000 χ^2/NDF: 5246653344.1/40

- sign 0.144+/-0.000 χ^2/NDF: 2030603917.1/20

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:2359.5/3

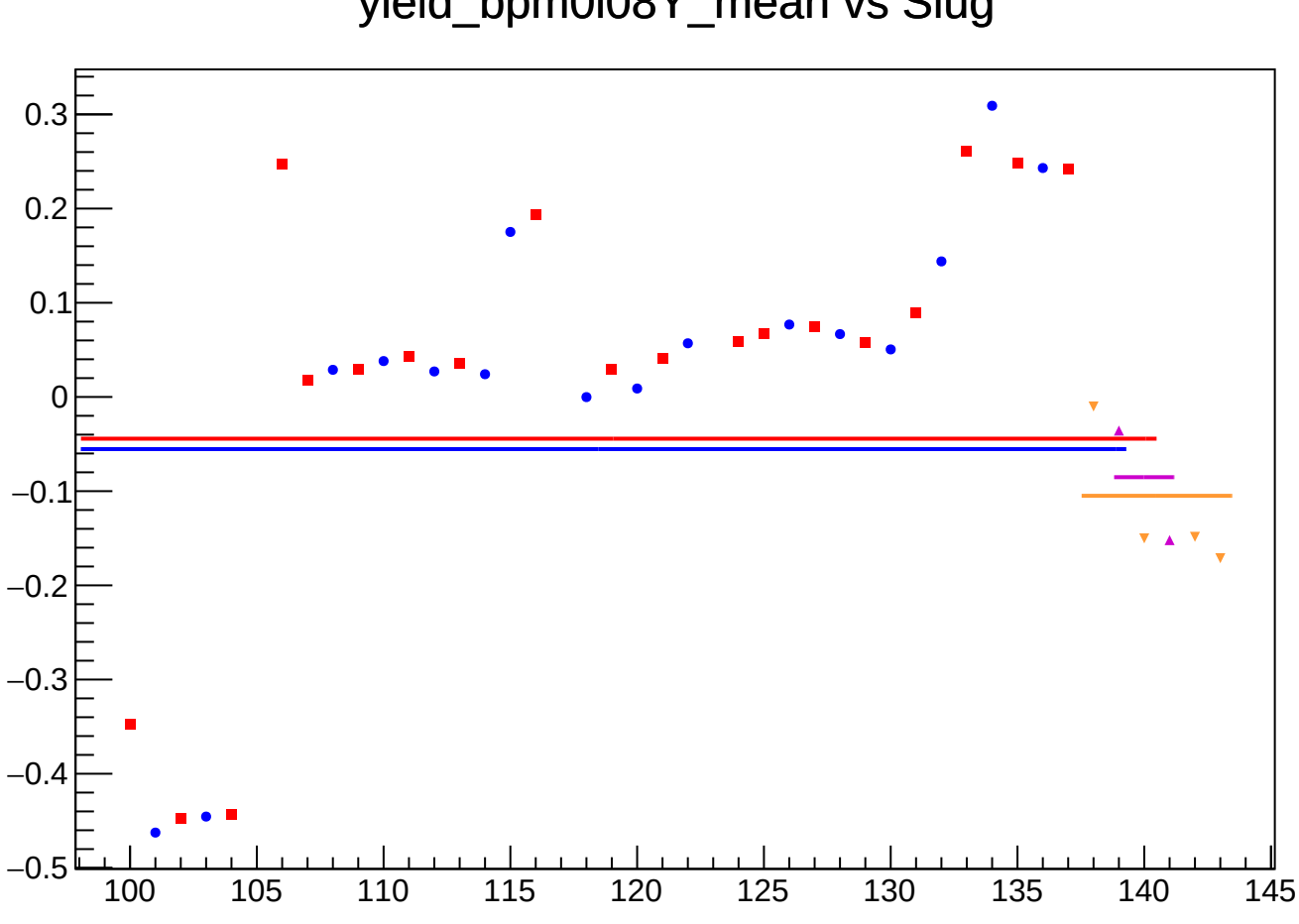
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:600.8/1

+ sign 0.010+/-0.000 χ^2/NDF: 456320.9/19

All: 0.010+/-0.000 χ^2/NDF: 859132.4/40

- sign 0.010+/-0.000 χ^2/NDF: 377776.6/20



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.105+/-0.000 χ^2/NDF:1345394061.5/3

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

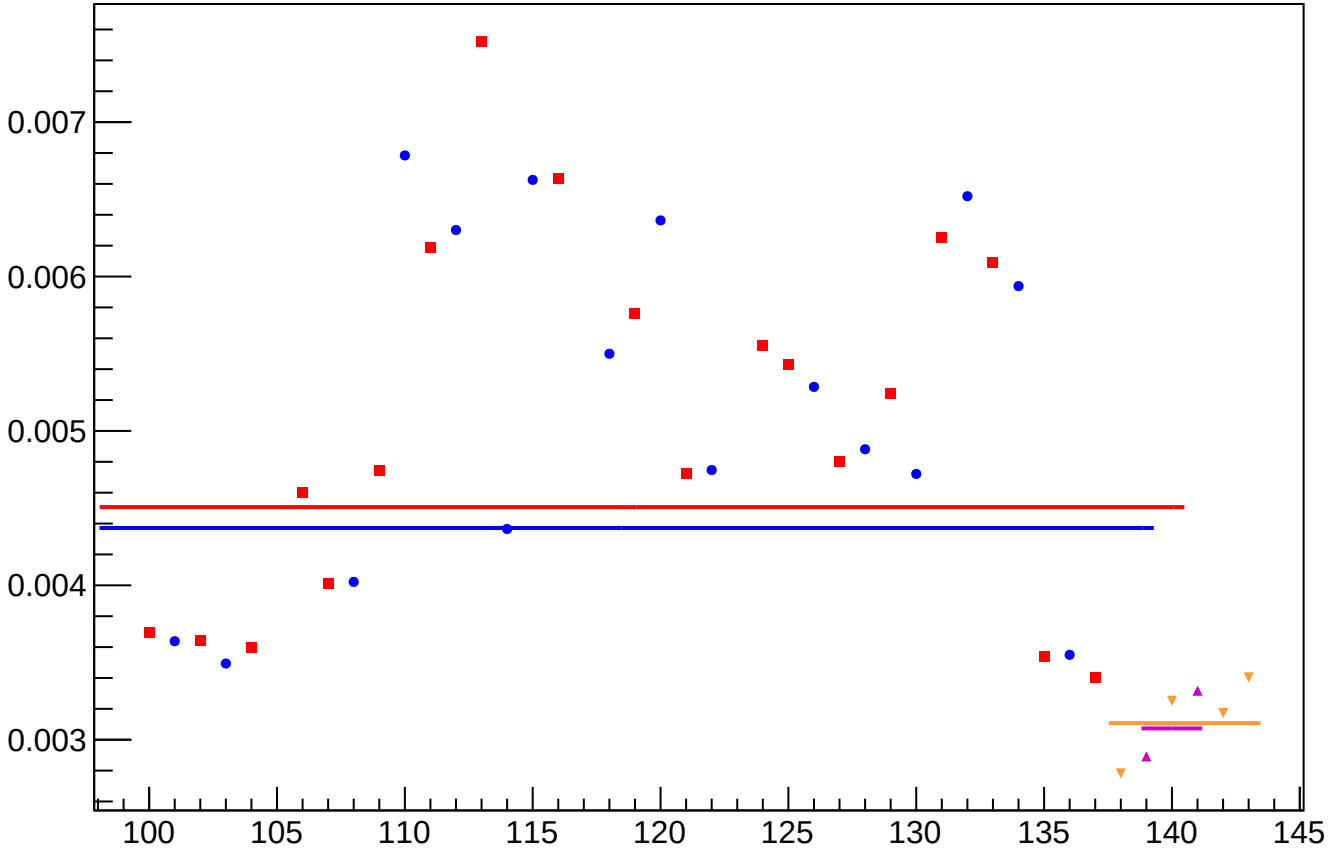
Left In: -0.085+/-0.000 χ^2/NDF:558645986.5/1

+ sign -0.078+/-0.000 χ^2/NDF: 25784784071.9/19

All: -0.069+/-0.000 χ^2/NDF: 48762351960.0/

- sign -0.059+/-0.000 χ^2/NDF: 22878536910.0/20

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:34286.6/3

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

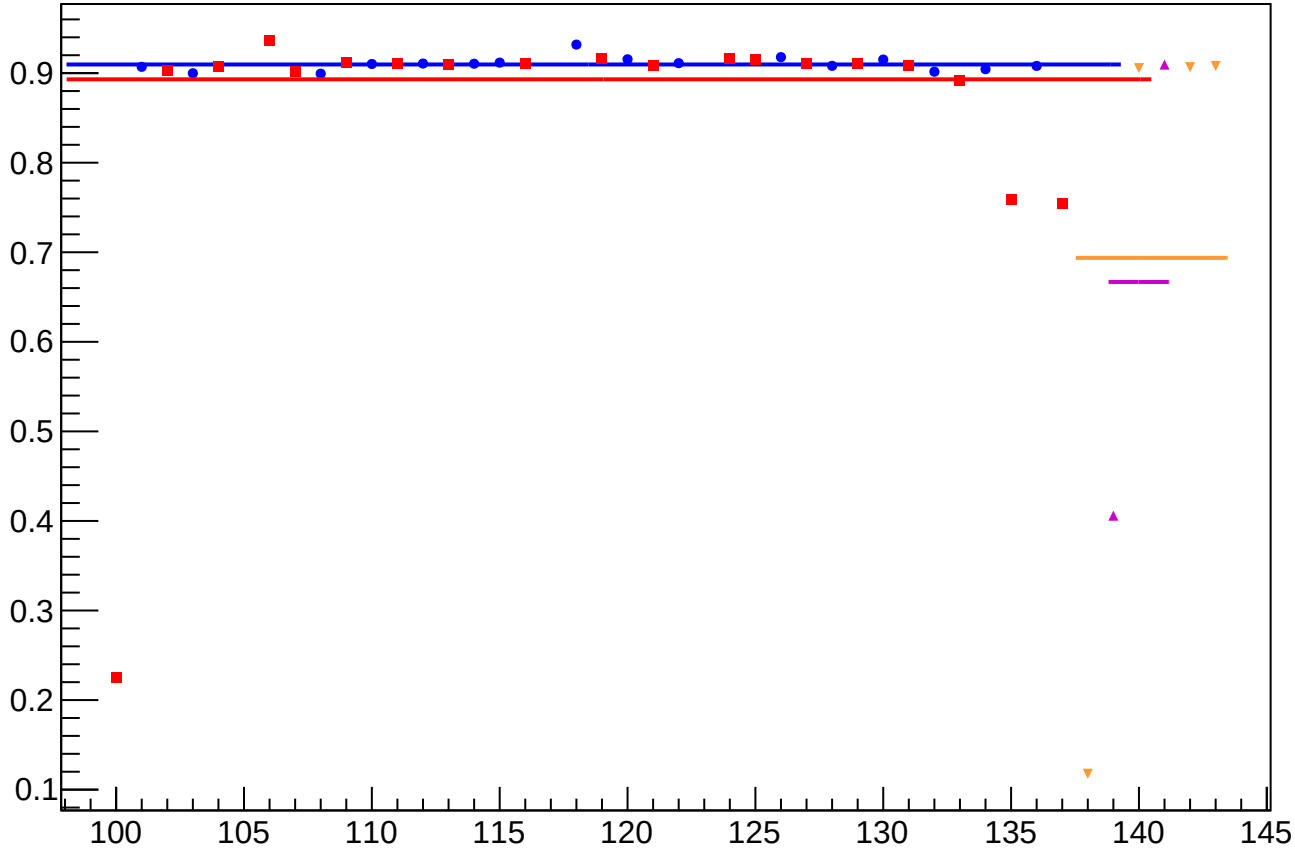
Left In: 0.003+/-0.000 χ^2/NDF:14943.2/1

+ sign 0.004+/-0.000 χ^2/NDF: 1158833.4/19

All: 0.004+/-0.000 χ^2/NDF: 2353325.7/40

- sign 0.004+/-0.000 χ^2/NDF: 1171217.2/20

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.694+/-0.000 χ^2/NDF:1923414013.8/3

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

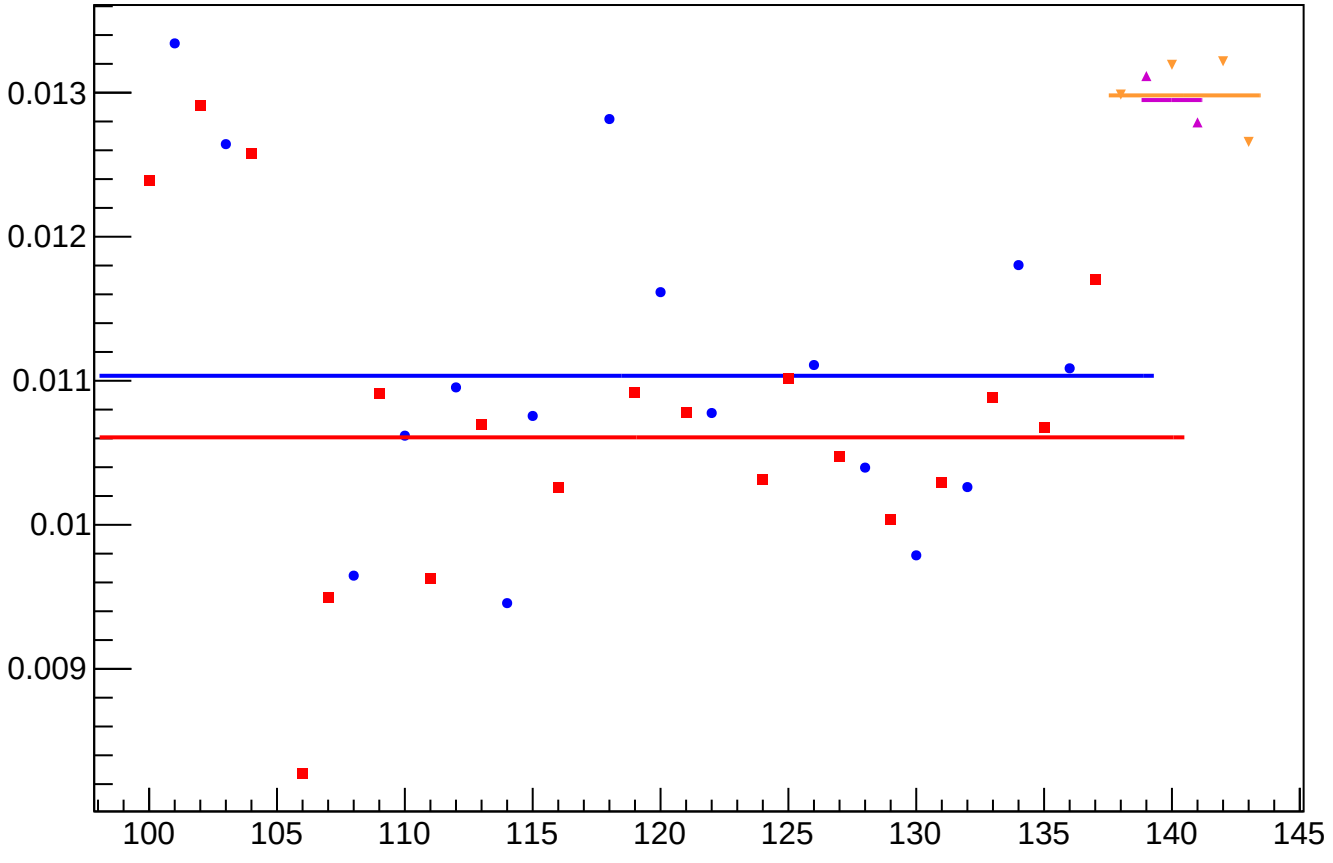
Left In: 0.667+/-0.000 χ^2/NDF:618765029.6/1

+ sign 0.863+/-0.000 χ^2/NDF: 2498415691.4/19

All: 0.863+/-0.000 χ^2/NDF: 3879011355.8/40

- sign 0.863+/-0.000 χ^2/NDF: 1380589407.7/20

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:1638.9/3

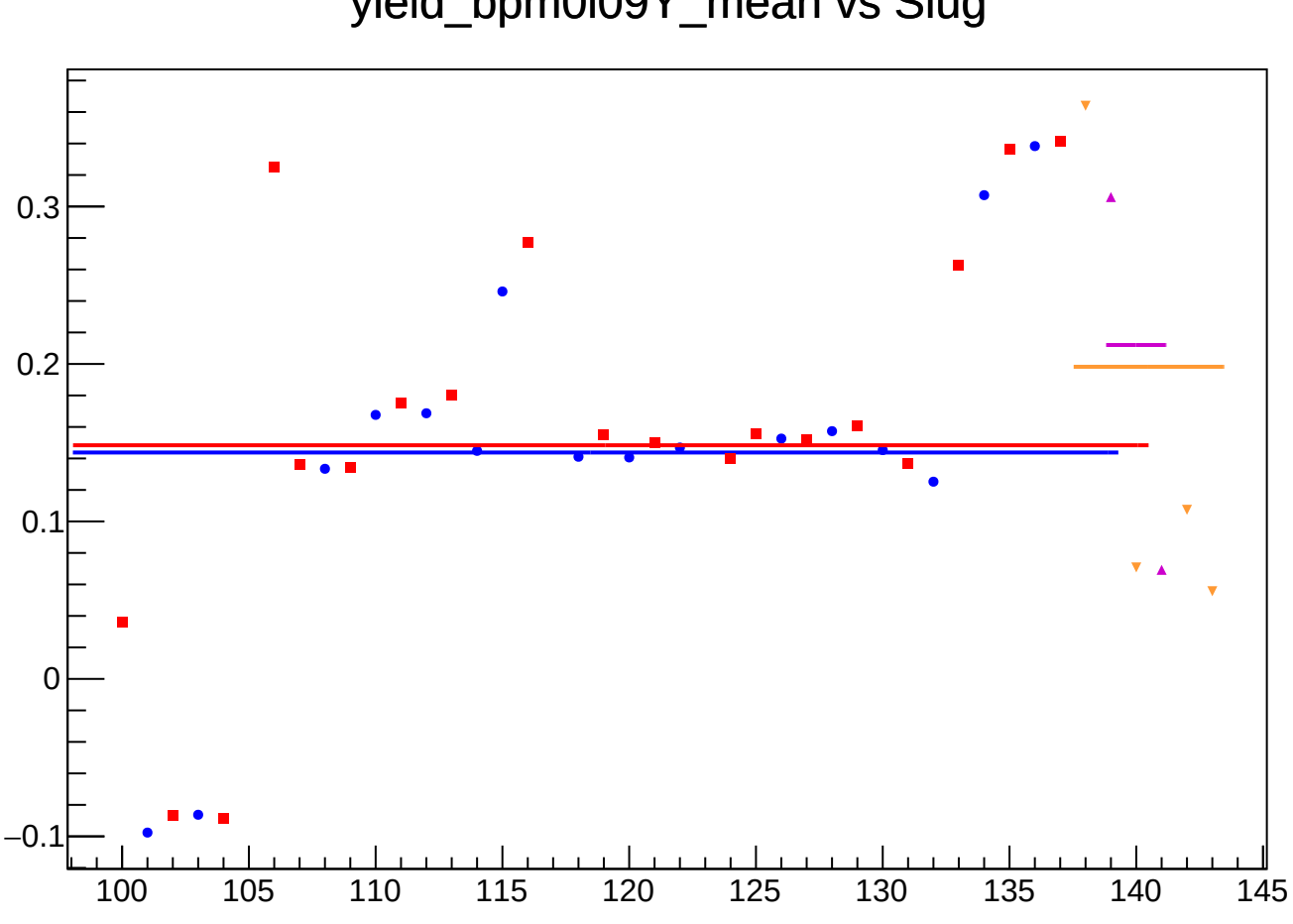
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.013+/-0.000 χ^2/NDF:504.2/1

+ sign 0.011+/-0.000 χ^2/NDF: 224932.9/19

All: 0.011+/-0.000 χ^2/NDF: 483648.8/40

- sign 0.011+/-0.000 χ^2/NDF: 237392.3/20



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.198+/-0.000 χ^2/NDF:3677883782.0/3

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

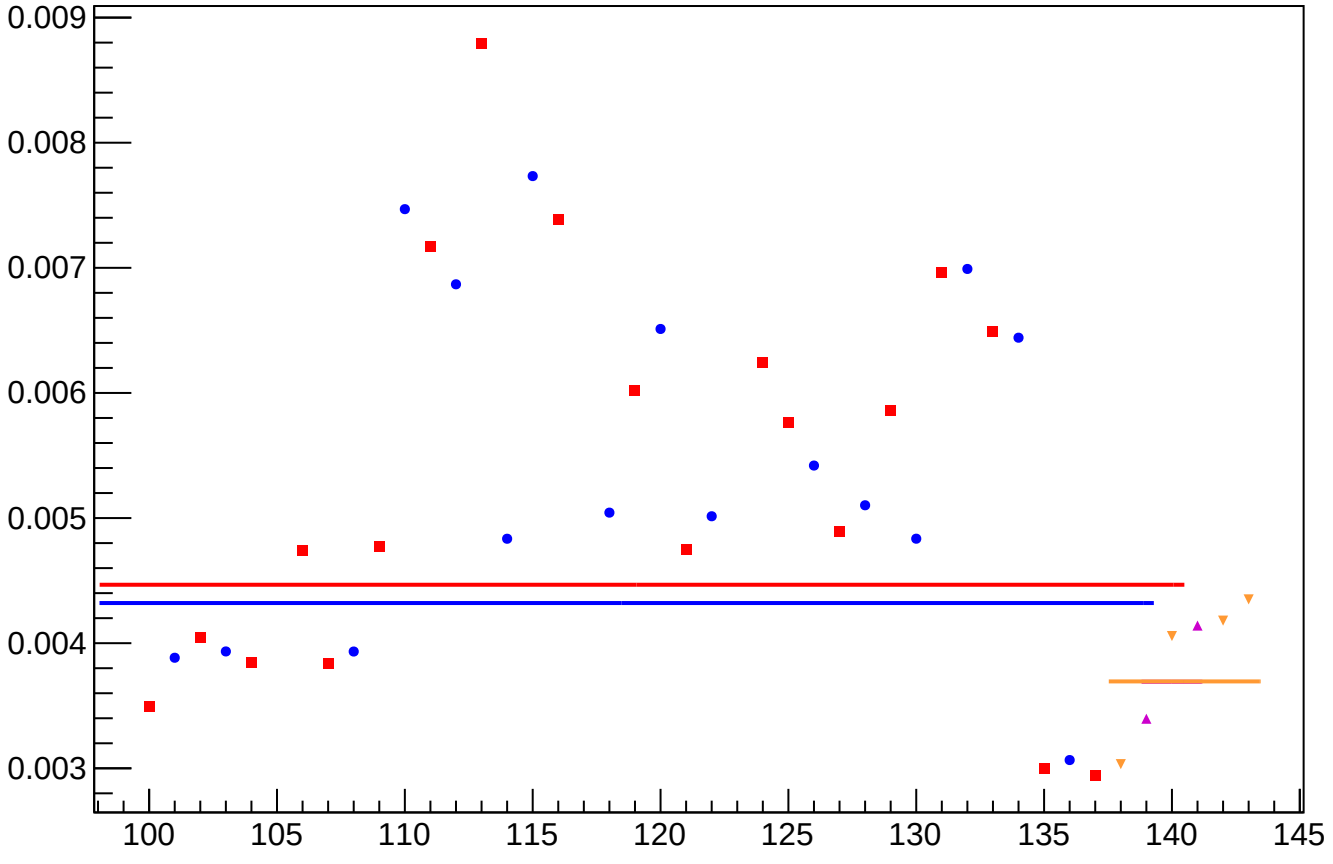
Left In: 0.212+/-0.000 χ^2/NDF:1484708606.4/1

+ sign 0.164+/-0.000 χ^2/NDF: 11877053147.6/19

All: 0.165+/-0.000 χ^2/NDF: 20818254371.6/4

- sign 0.166+/-0.000 χ^2/NDF: 8940326717.0/20

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:119168.3/3

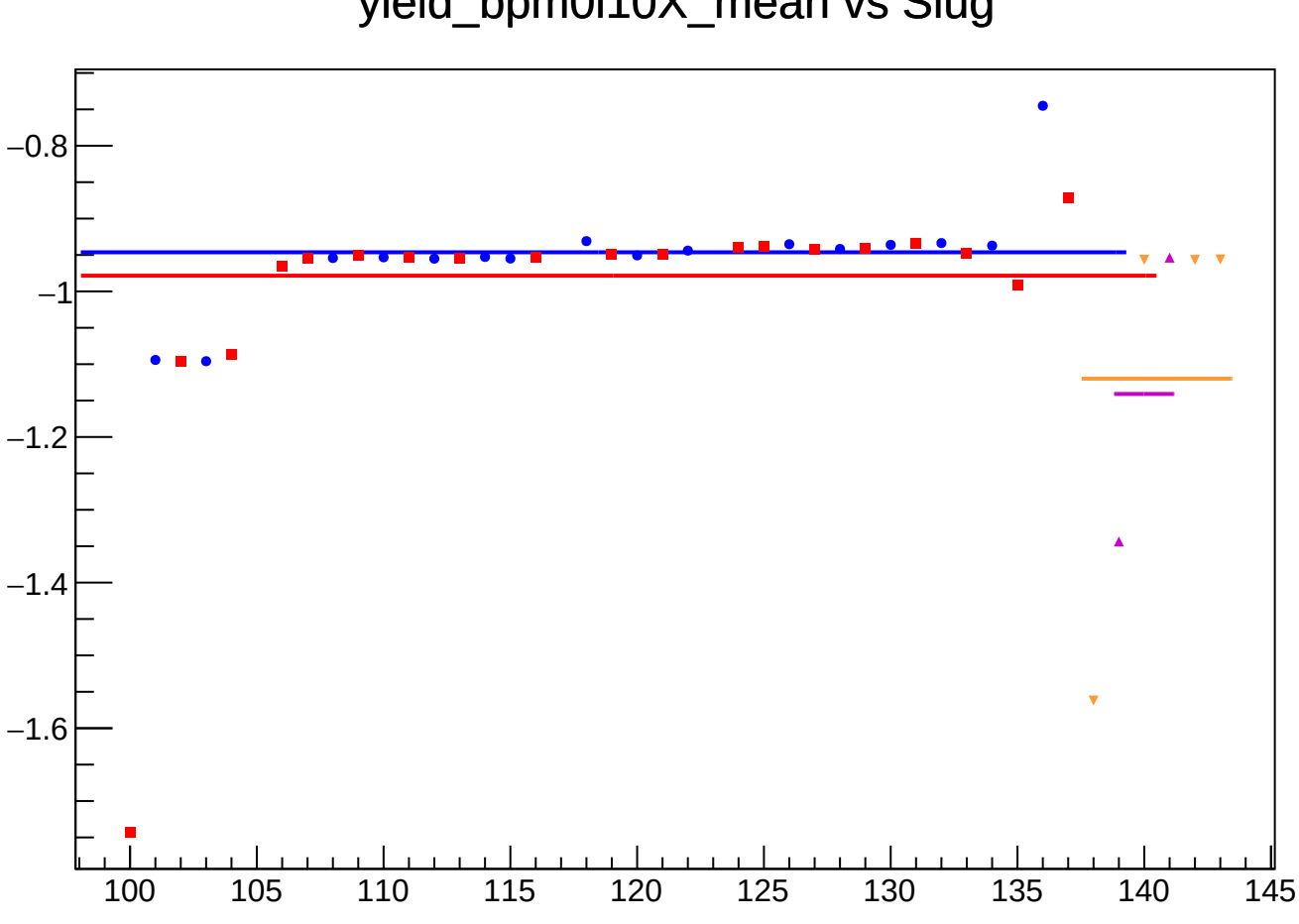
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:29365.8/1

+ sign 0.004+/-0.000 χ^2/NDF: 1085404.5/19

All: 0.004+/-0.000 χ^2/NDF: 2309495.6/40

- sign 0.004+/-0.000 χ^2/NDF: 1212097.2/20



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.120+/-0.000 χ^2/NDF:1460770413.7/3

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

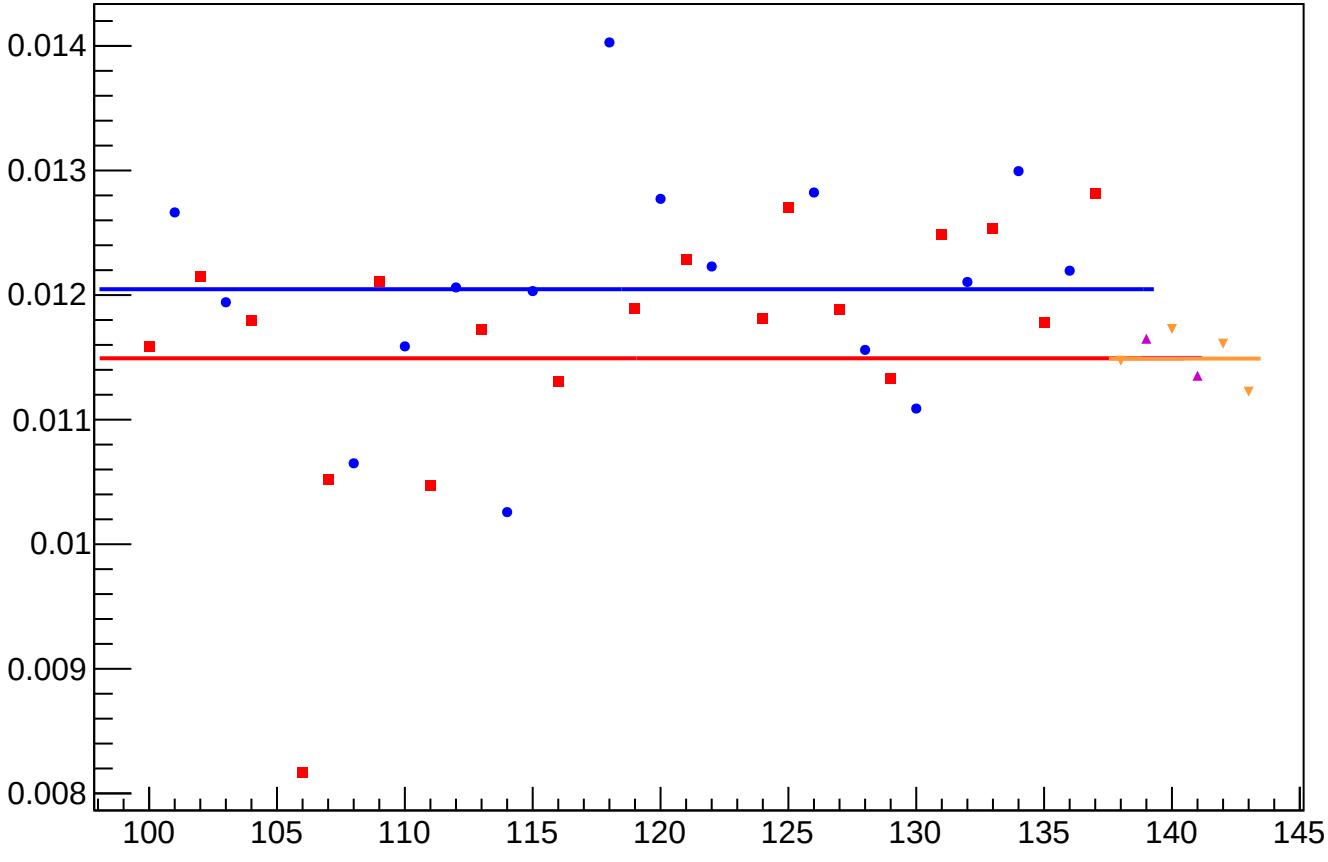
Left In: -1.141+/-0.000 χ^2/NDF:474111389.9/1

+ sign -0.998+/-0.000 χ^2/NDF: 2292145250.1/19

All: -1.004+/-0.000 χ^2/NDF: 3499108797.9/4

- sign -1.009+/-0.000 χ^2/NDF: 1203178487.5/20

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:1578.6/3

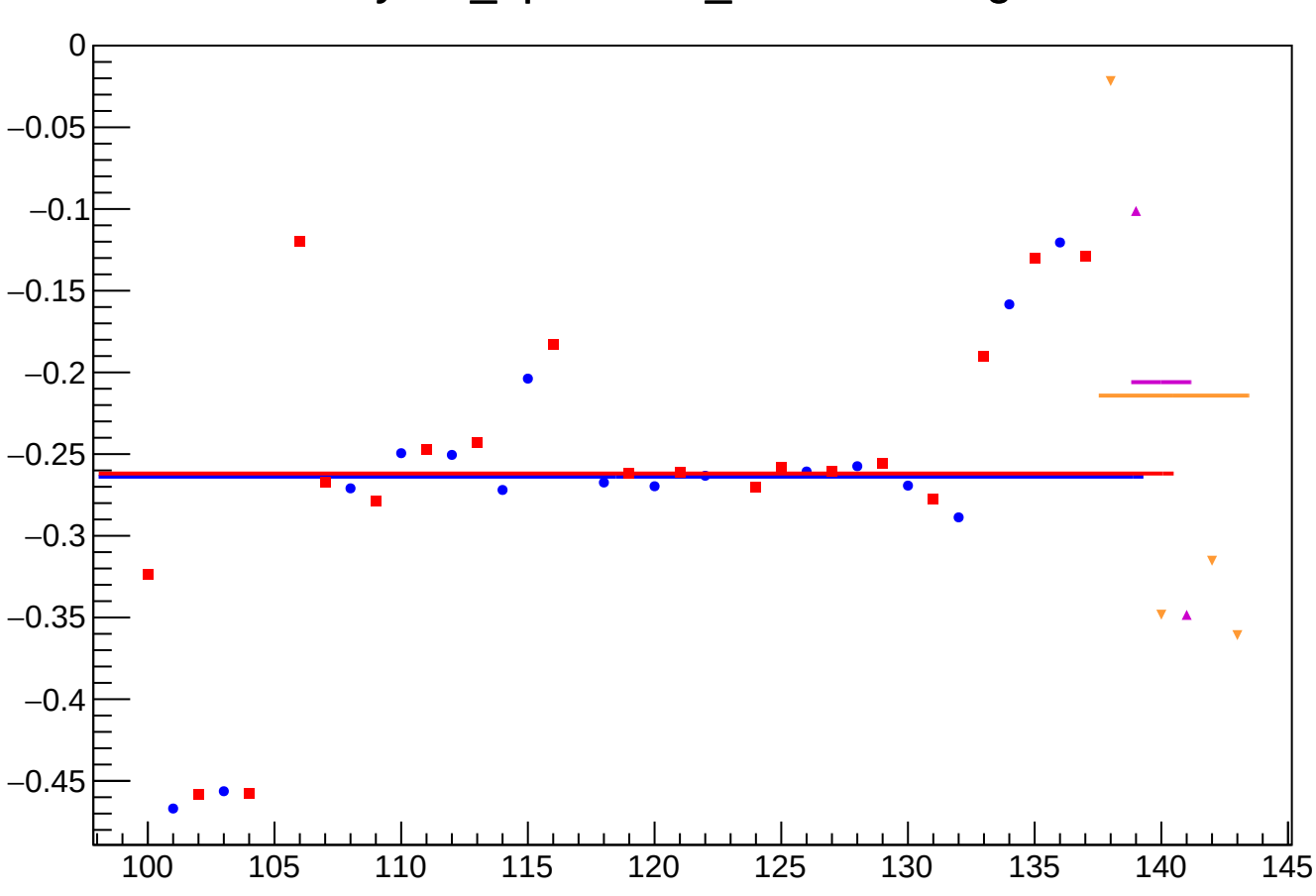
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:549.9/1

+ sign 0.012+/-0.000 χ^2/NDF: 72840.8/19

All: 0.012+/-0.000 χ^2/NDF: 234771.3/40

- sign 0.011+/-0.000 χ^2/NDF: 151859.4/20



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.214+/-0.000 χ^2/NDF:3428338631.9/3

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

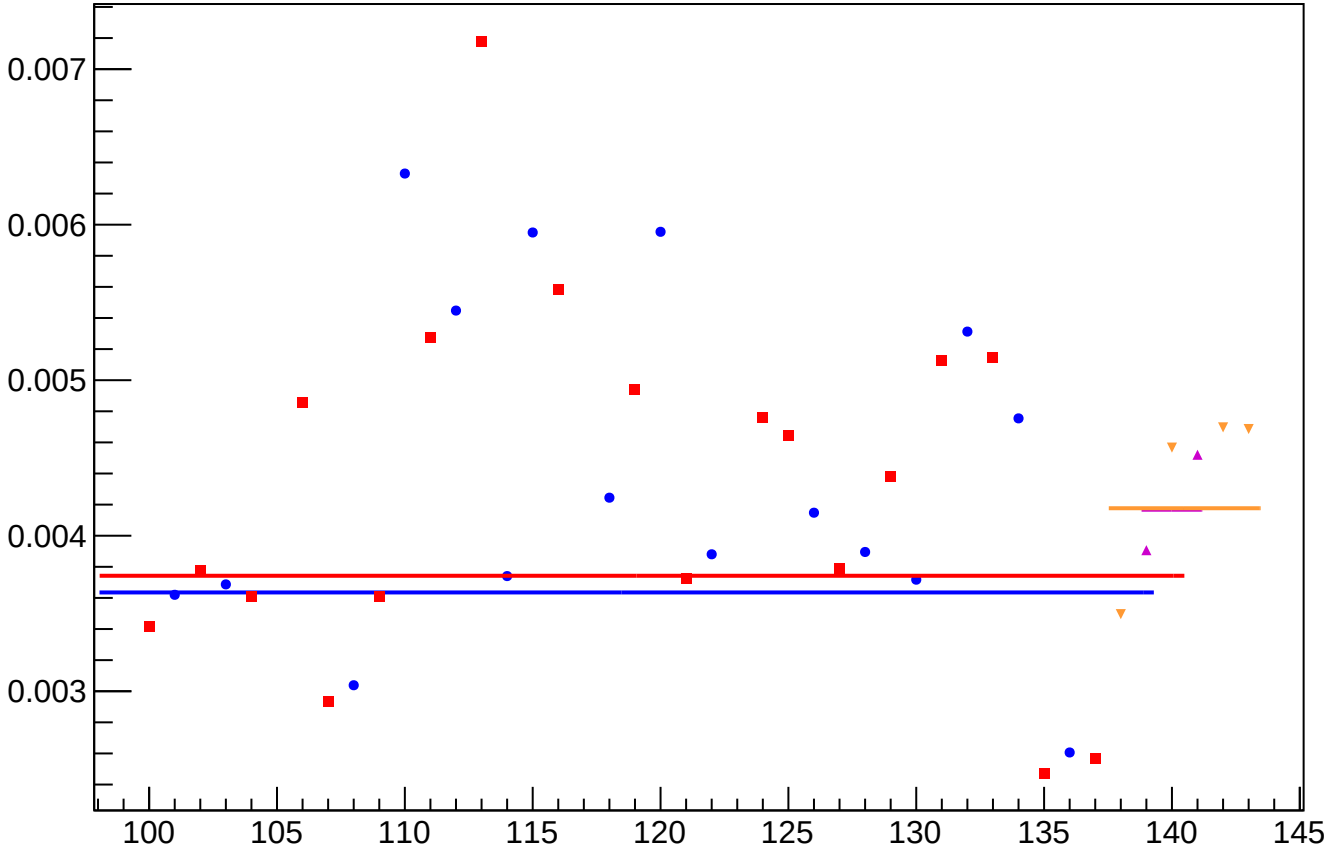
Left In: -0.206+/-0.000 χ^2/NDF:1255456131.1/1

+ sign -0.252+/-0.000 χ^2/NDF: 9787825446.3/19

All: -0.252+/-0.000 χ^2/NDF: 16513488524.3/

- sign -0.253+/-0.000 χ^2/NDF: 6725558611.7/20

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:85824.4/3

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

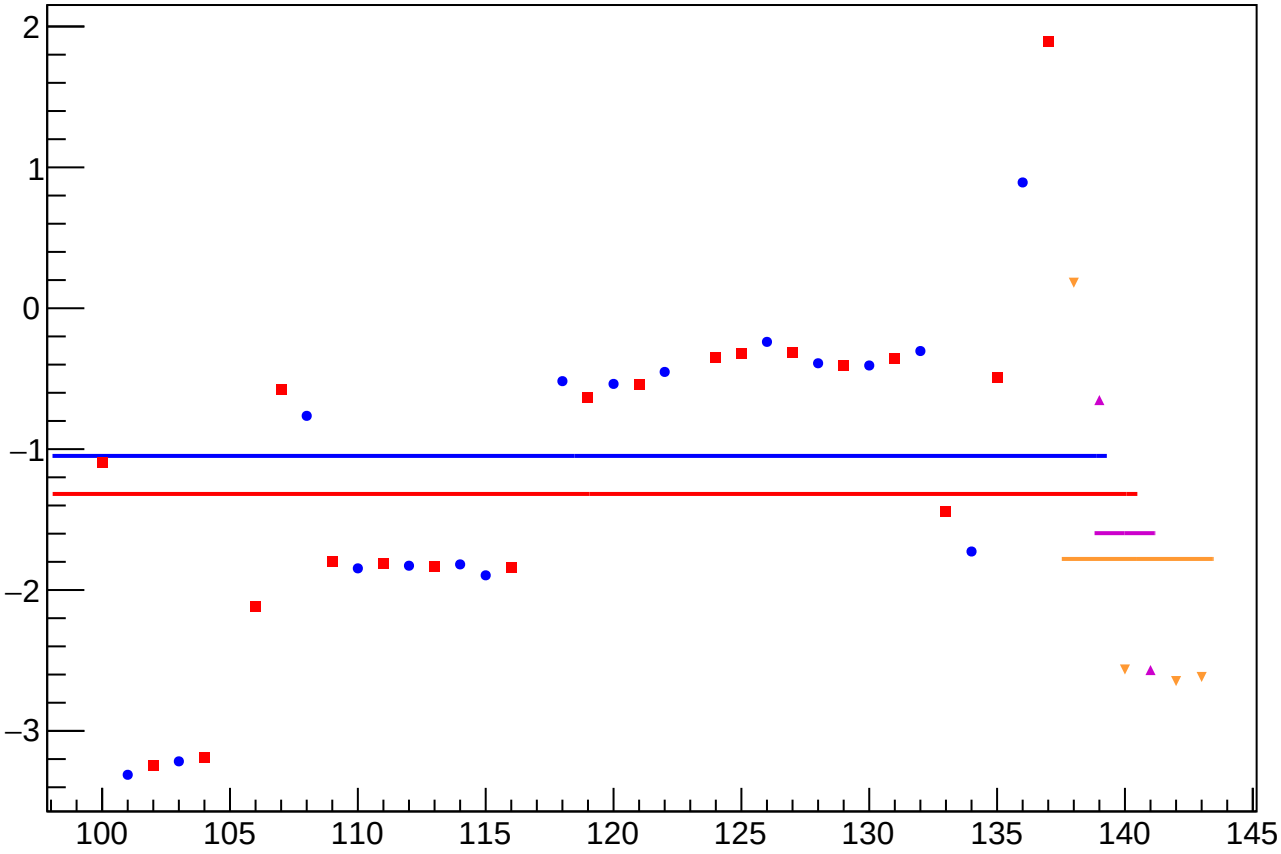
Left In: 0.004+/-0.000 χ^2/NDF:15477.4/1

+ sign 0.004+/-0.000 χ^2/NDF: 874744.3/19

All: 0.004+/-0.000 χ^2/NDF: 1811099.8/40

- sign 0.004+/-0.000 χ^2/NDF: 935047.8/20

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.779+/-0.000 χ^2/NDF:821808052.5/3

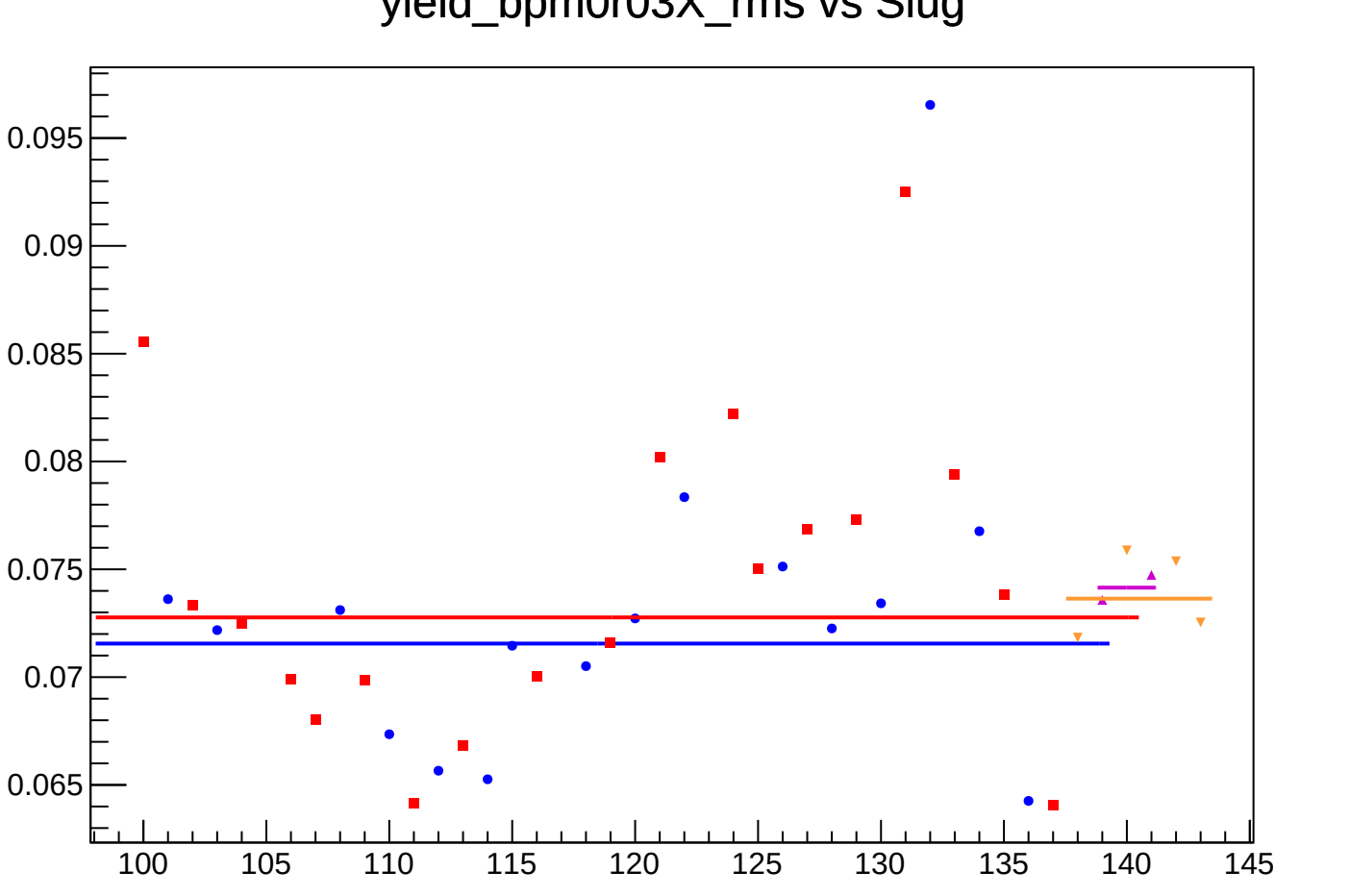
Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.596+/-0.000 χ^2/NDF:281816024.1/1

+ sign -1.246+/-0.000 χ^2/NDF: 3367187319.5/19

All: -1.304+/-0.000 χ^2/NDF: 5529803220.5/4

- sign -1.369+/-0.000 χ^2/NDF: 2149253947.9/20



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:3159.3/3

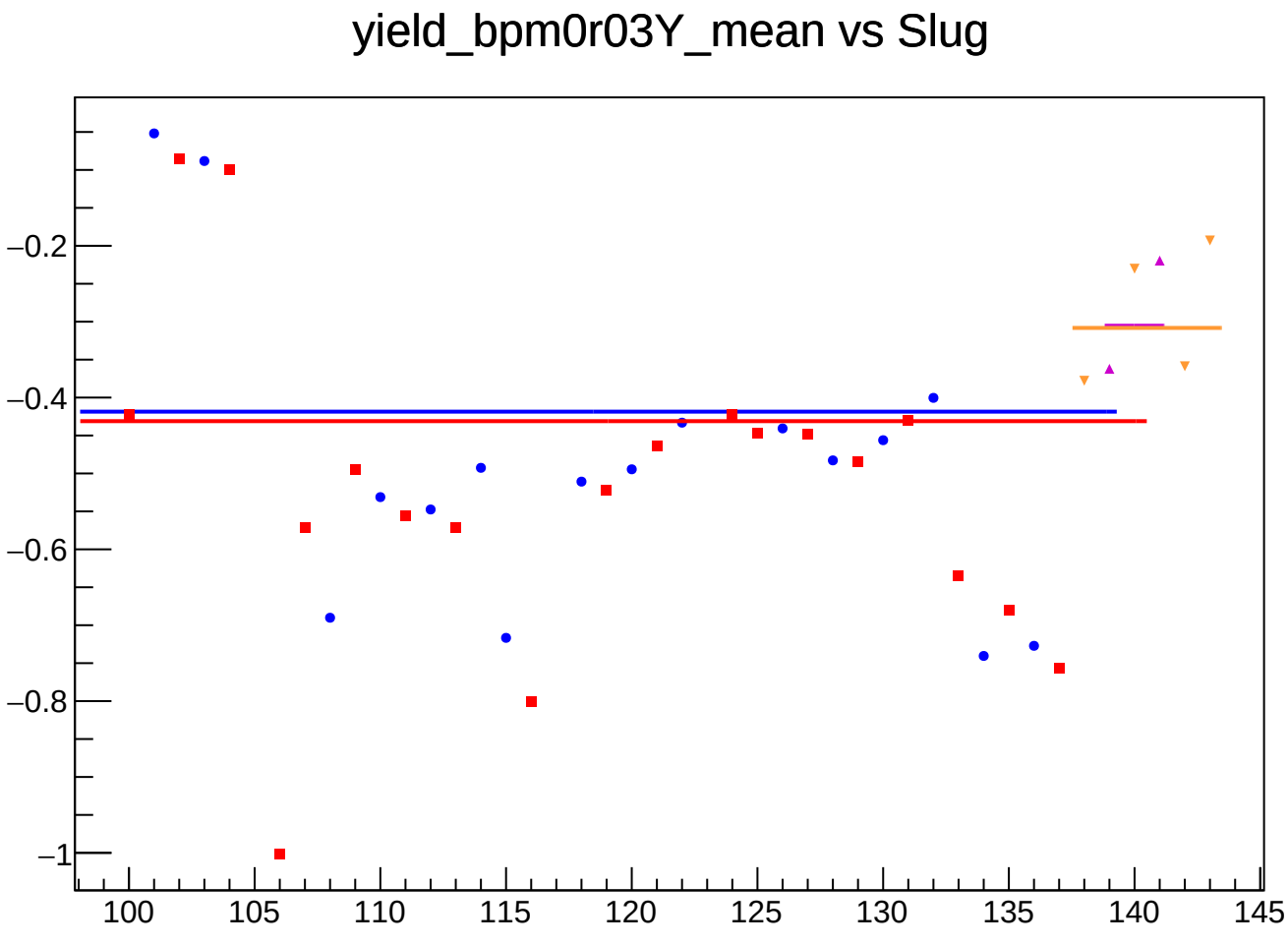
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.074+/-0.000 χ^2/NDF:206.5/1

+ sign 0.072+/-0.000 χ^2/NDF: 107622.5/19

All: 0.073+/-0.000 χ^2/NDF: 207098.2/40

- sign 0.073+/-0.000 χ^2/NDF: 98036.9/20



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.308+/-0.000 χ^2/NDF:231717313.4/3

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

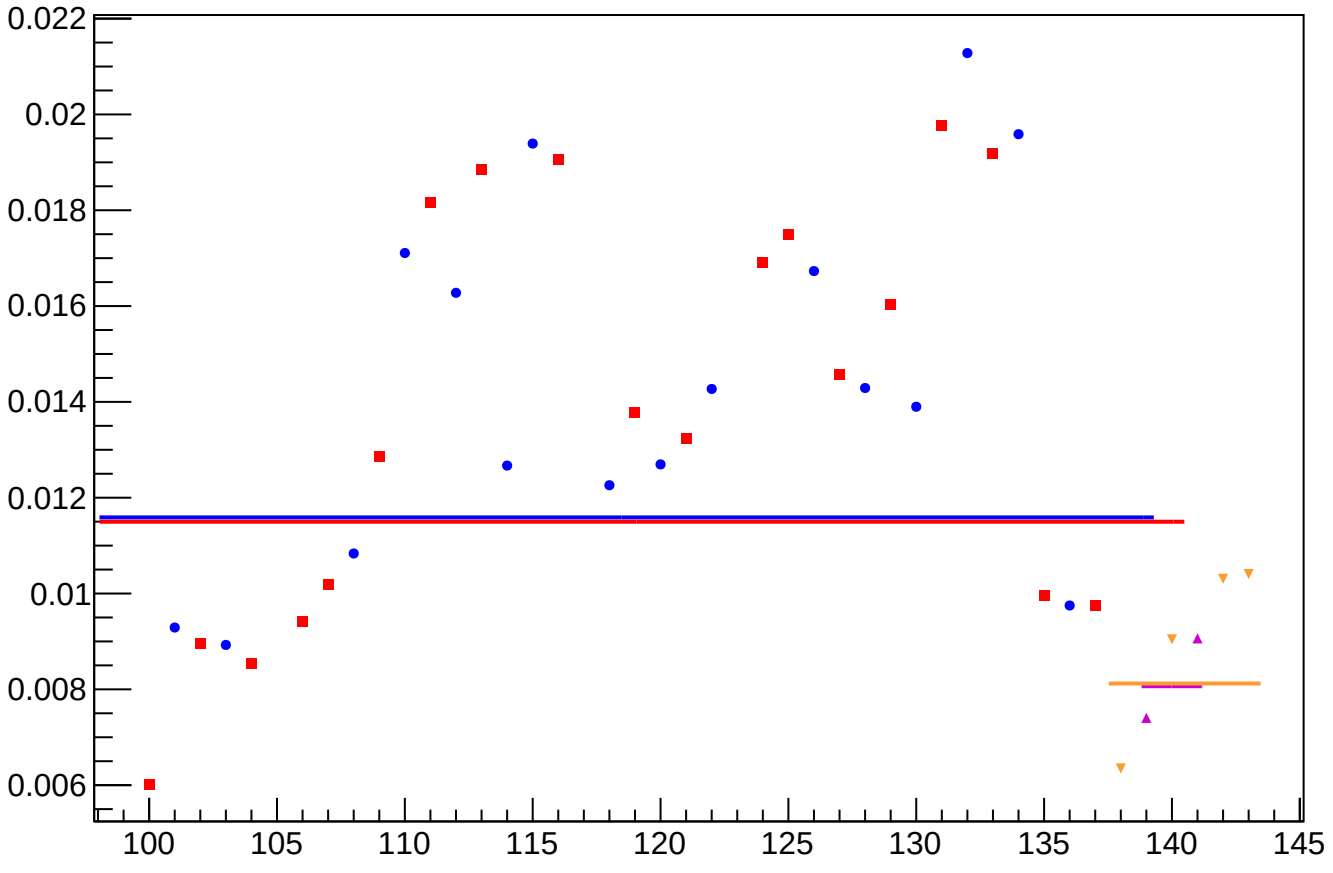
Left In: -0.305+/-0.000 χ^2/NDF:114822001.5/1

+ sign -0.369+/-0.000 χ^2/NDF: 3546991107.4/19

All: -0.378+/-0.000 χ^2/NDF: 7117743926.6/4

- sign -0.388+/-0.000 χ^2/NDF: 3556994125.5/20

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:227476.2/3

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

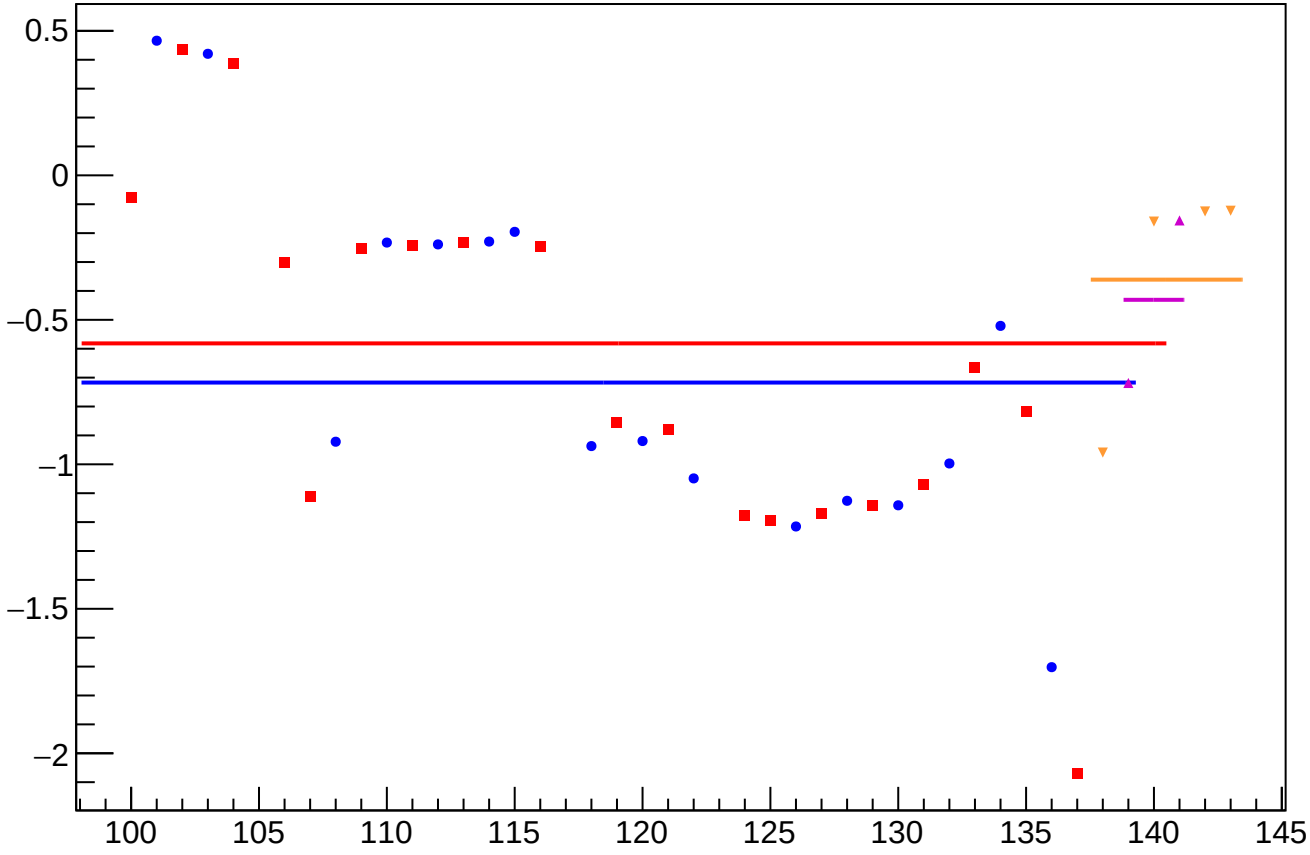
Left In: 0.008+/-0.000 χ^2/NDF:31093.0/1

+ sign 0.010+/-0.000 χ^2/NDF: 1493752.2/19

All: 0.010+/-0.000 χ^2/NDF: 3061930.0/40

- sign 0.010+/-0.000 χ^2/NDF: 1561617.0/20

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.361+/-0.000 χ^2/NDF:55998093.1/3

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

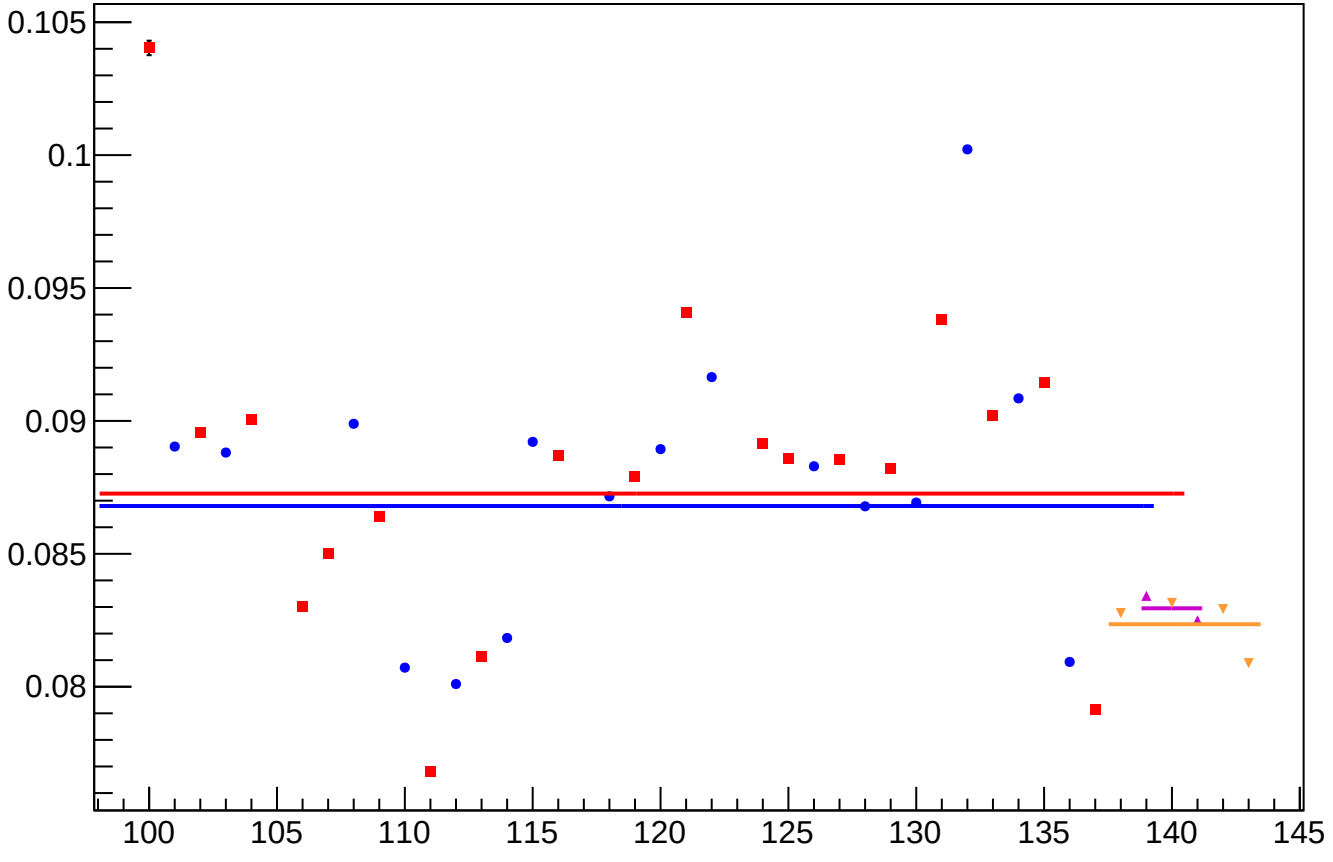
Left In: -0.431+/-0.000 χ^2/NDF:19661517.7/1

+ sign -0.608+/-0.000 χ^2/NDF: 530285475.0/19

All: -0.581+/-0.000 χ^2/NDF: 898650291.8/40

- sign -0.551+/-0.000 χ^2/NDF: 366231550.5/20

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.082+/-0.000 χ^2/NDF:757.8/3

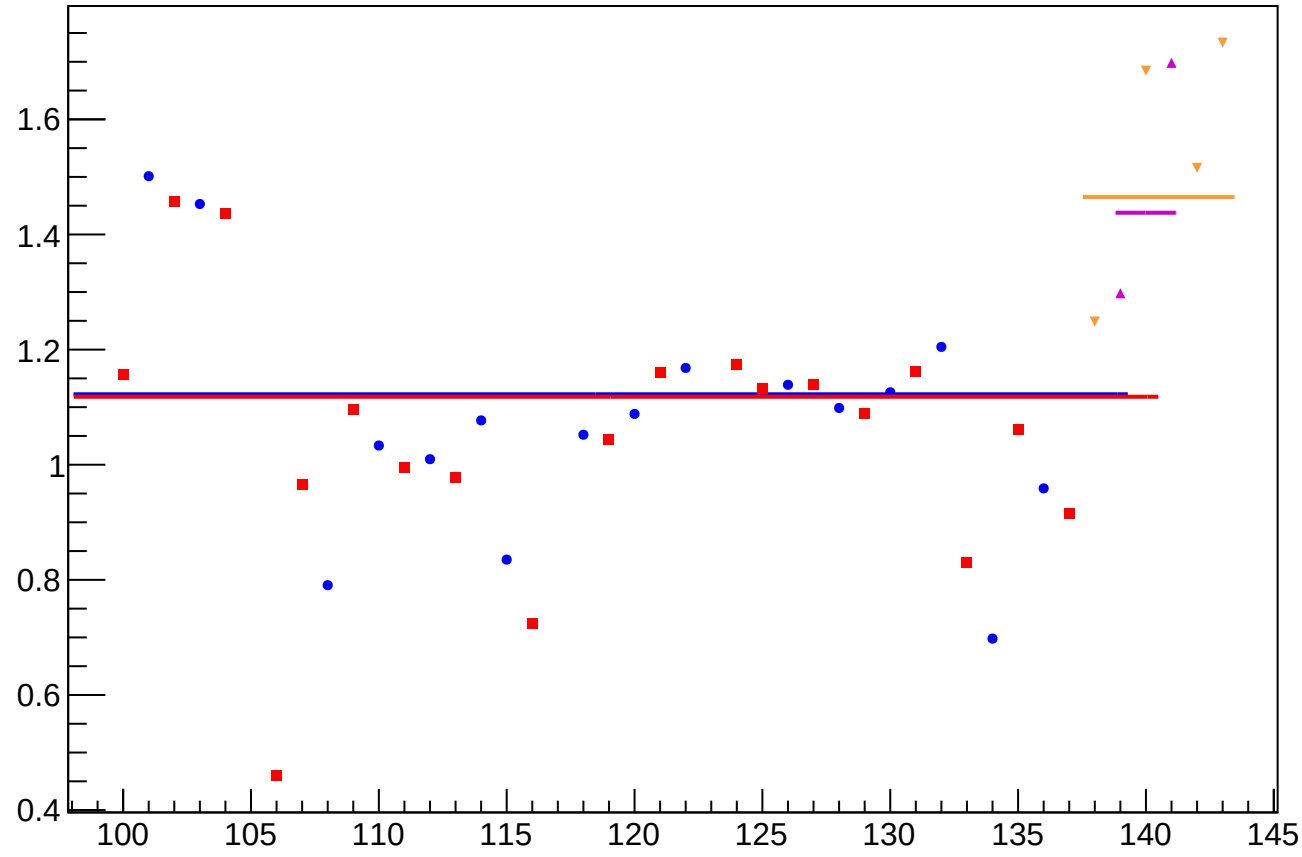
Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.083+/-0.000 χ^2/NDF:104.7/1

+ sign 0.085+/-0.000 χ^2/NDF: 55830.2/19

All: 0.086+/-0.000 χ^2/NDF: 110654.1/40

- sign 0.086+/-0.000 χ^2/NDF: 53656.5/20



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.465+/-0.000 χ^2/NDF:1225761652.5/3

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

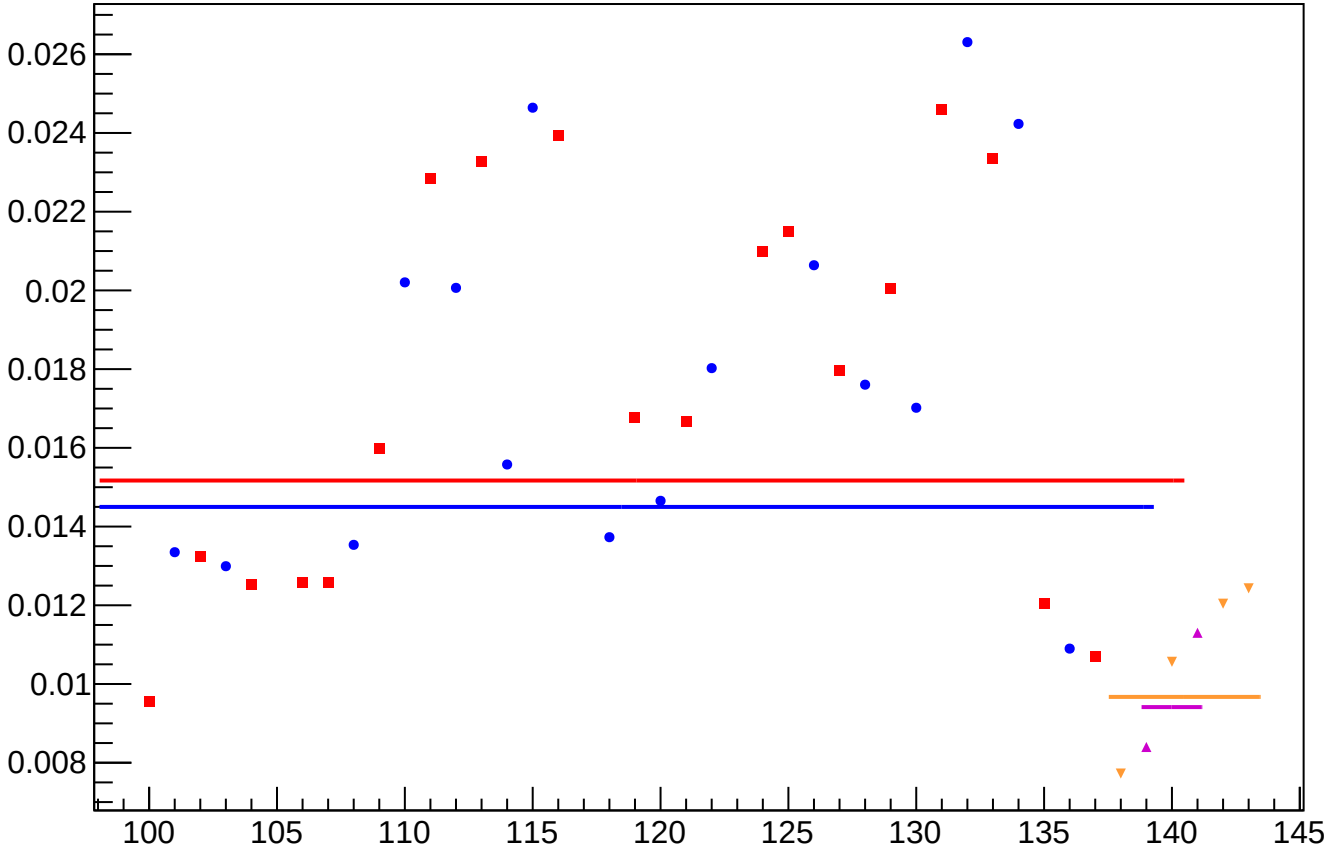
Left In: 1.438+/-0.000 χ^2/NDF:631398872.8/1

+ sign 1.287+/-0.000 χ^2/NDF: 4282232058.0/19

All: 1.268+/-0.000 χ^2/NDF: 7602528180.2/40

- sign 1.244+/-0.000 χ^2/NDF: 3275331796.7/20

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:205103.3/3

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

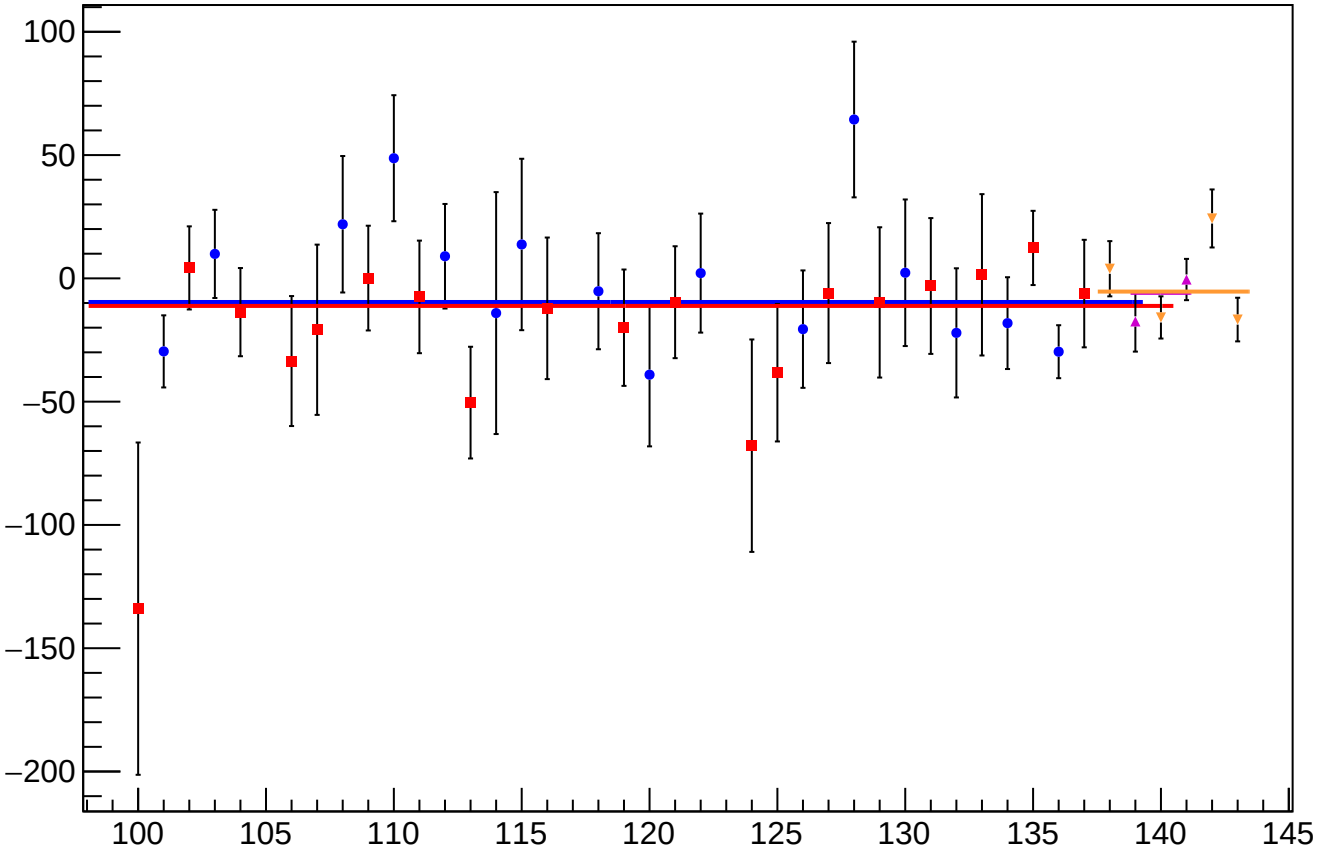
Left In: 0.009+/-0.000 χ^2/NDF:66343.8/1

+ sign 0.012+/-0.000 χ^2/NDF: 1551126.1/19

All: 0.013+/-0.000 χ^2/NDF: 3203583.1/40

- sign 0.013+/-0.000 χ^2/NDF: 1627140.4/20

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -5.361+/-4.902 χ^2/NDF:10.2/3

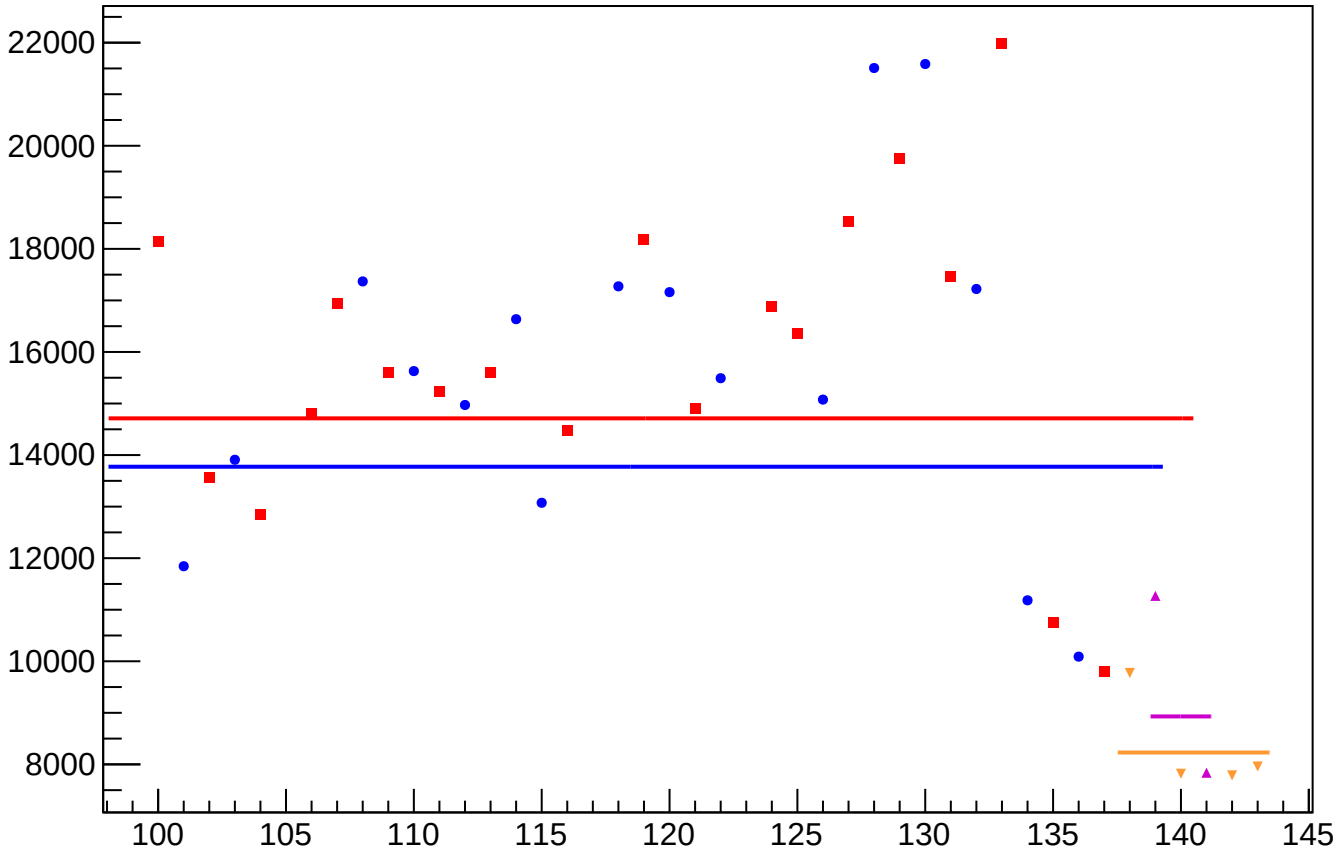
Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: -5.876+/-6.912 χ^2/NDF:1.3/1

+ sign -7.311+/-3.596 χ^2/NDF: 32.5/19

All: -8.056+/-2.759 χ^2/NDF: 48.1/40

- sign -9.124+/-4.302 χ^2/NDF: 15.5/20



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8230.230+/-3.466 χ^2/NDF:47359.6/3

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

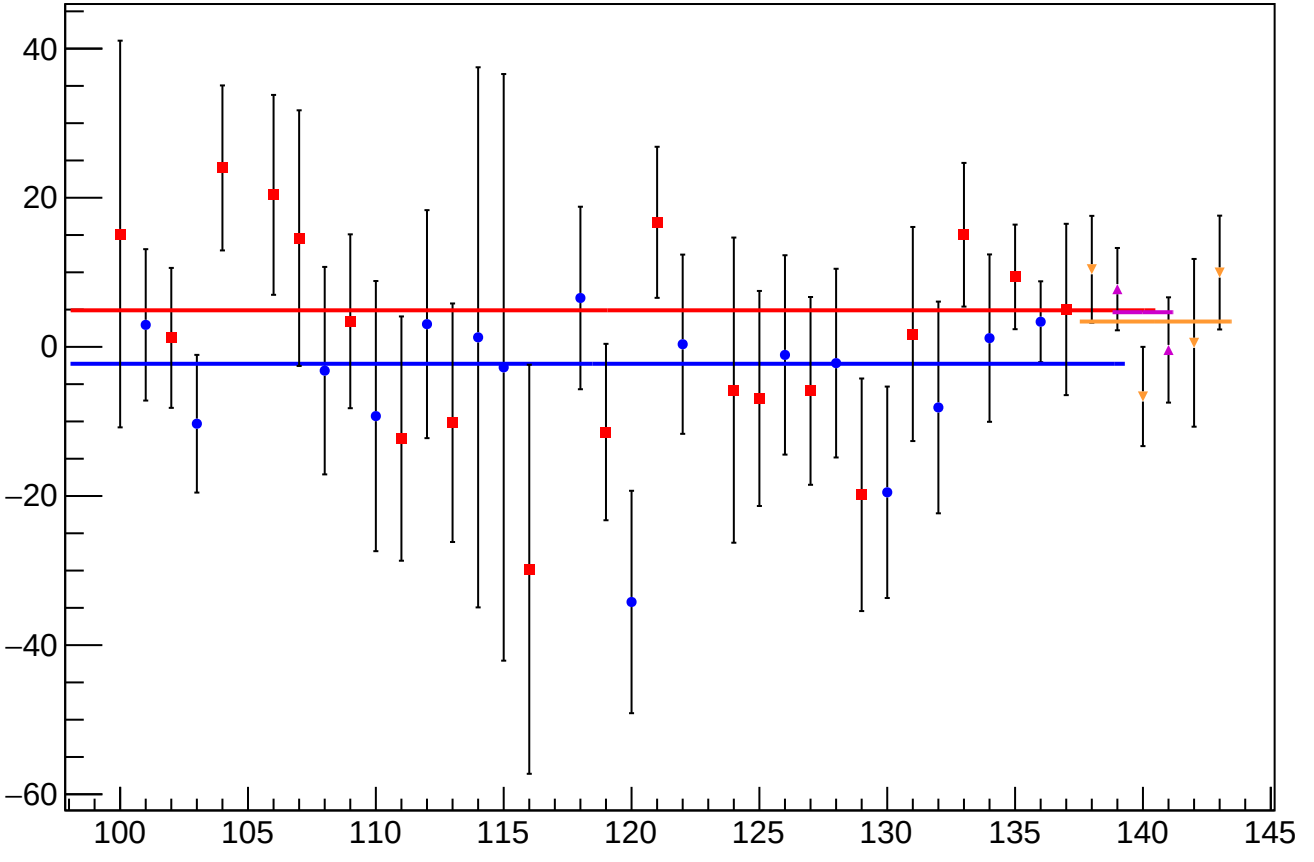
Left In: 8930.034+/-4.888 χ^2/NDF:106895.9/1

\+ sign 10790.723+/-2.542 χ^2/NDF: 1976570.0/19

All: 11482.108+/-1.951 χ^2/NDF: 3677874.7/4

\- sign 12472.039+/-3.042 χ^2/NDF: 1521480.5/20

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.399+/-3.859 χ^2/NDF:4.0/3

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

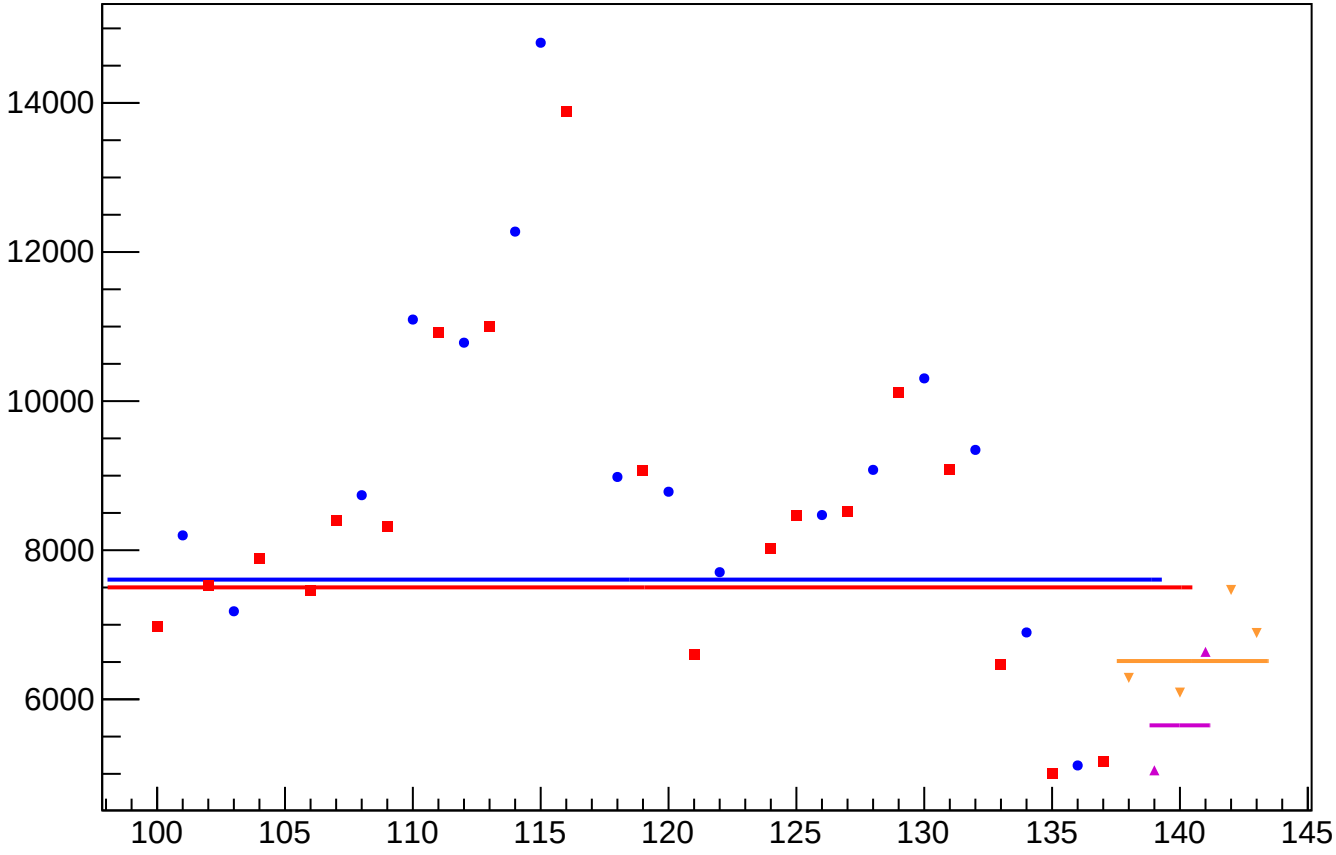
Left In: 4.647+/-4.349 χ^2/NDF:0.8/1

+ sign -0.202+/-2.330 χ^2/NDF: 14.7/19

All: 2.263+/-1.663 χ^2/NDF: 35.4/40

- sign 4.827+/-2.376 χ^2/NDF: 18.4/20

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6513.343+/-2.729 χ^2/NDF:29323.4/3

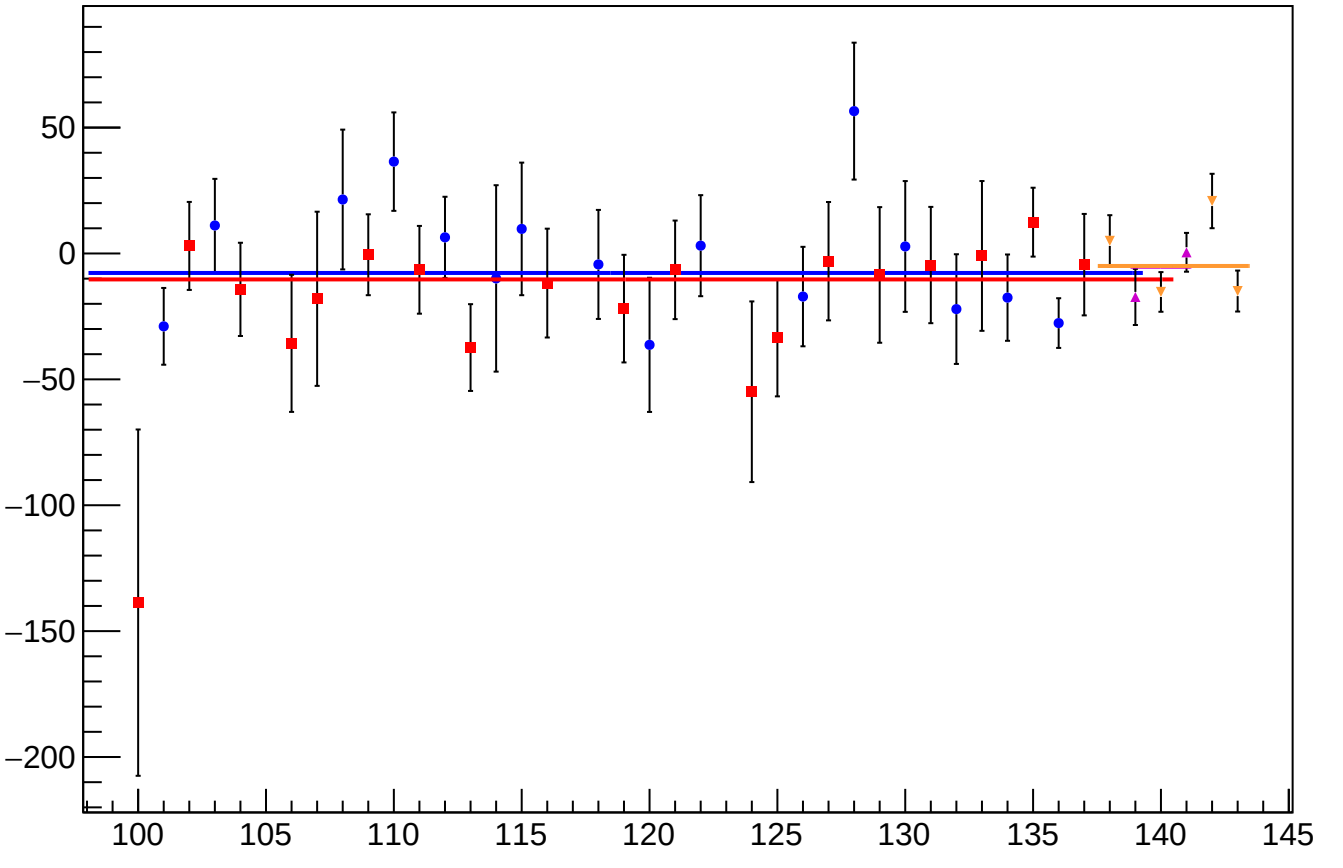
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 5650.626+/-3.075 χ^2/NDF:62880.2/1

+ sign 7207.603+/-1.647 χ^2/NDF: 1022679.3/19

All: 7081.000+/-1.176 χ^2/NDF: 2175322.7/40

- sign 6949.344+/-1.680 χ^2/NDF: 1140593.0/20



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -4.965+/-4.499 χ^2/NDF:9.9/3

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

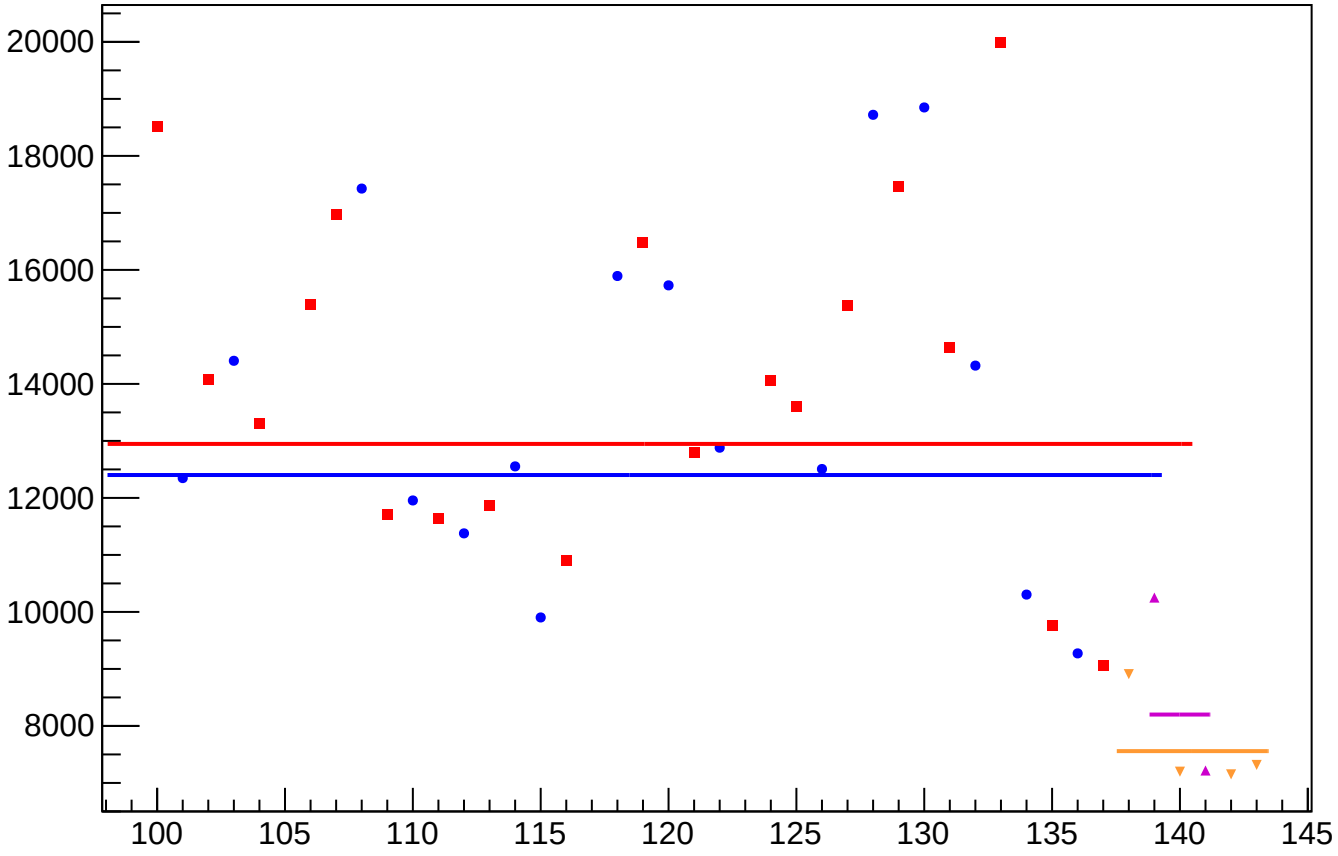
Left In: -5.271+/-6.340 χ^2/NDF:1.7/1

+ sign -6.278+/-3.266 χ^2/NDF: 32.7/19

All: -7.189+/-2.490 χ^2/NDF: 48.9/40

- sign -8.453+/-3.847 χ^2/NDF: 16.0/20

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7558.095+/-3.181 χ^2/NDF:43838.4/3

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

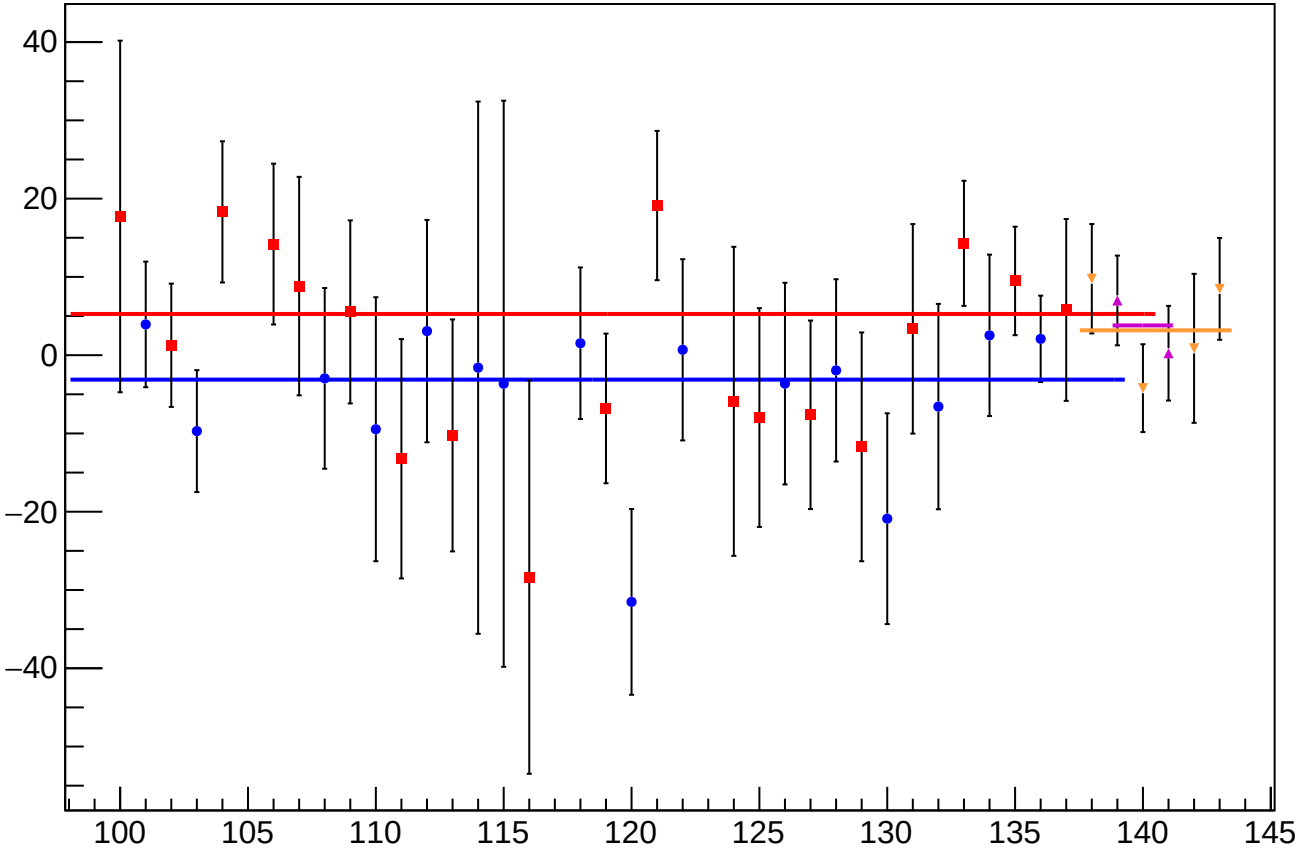
Left In: 8199.658+/-4.483 χ^2/NDF:100213.4/1

+ sign 9849.589+/-2.309 χ^2/NDF: 1818791.8/19

All: 10414.949+/-1.760 χ^2/NDF: 3325840.7/4

- sign 11199.433+/-2.720 χ^2/NDF: 1363947.4/20

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.175+/-3.393 χ^2/NDF:3.3/3

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

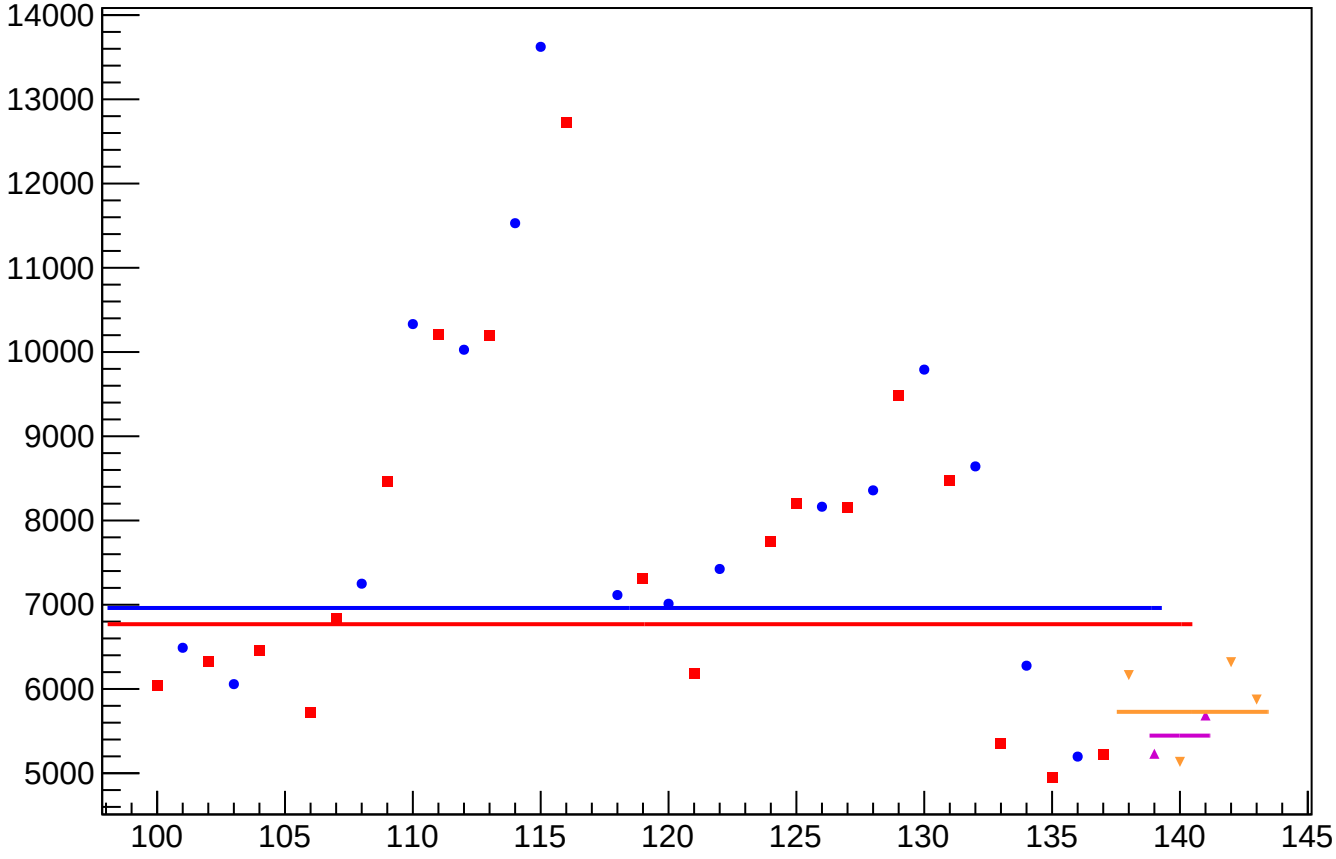
Left In: 3.800+/-4.161 χ^2/NDF:0.7/1

+ sign -0.730+/-2.091 χ^2/NDF: 16.4/19

All: 1.956+/-1.508 χ^2/NDF: 37.5/40

- sign 4.864+/-2.176 χ^2/NDF: 17.7/20

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5728.640+/-2.399 χ^2/NDF:38863.0/3

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

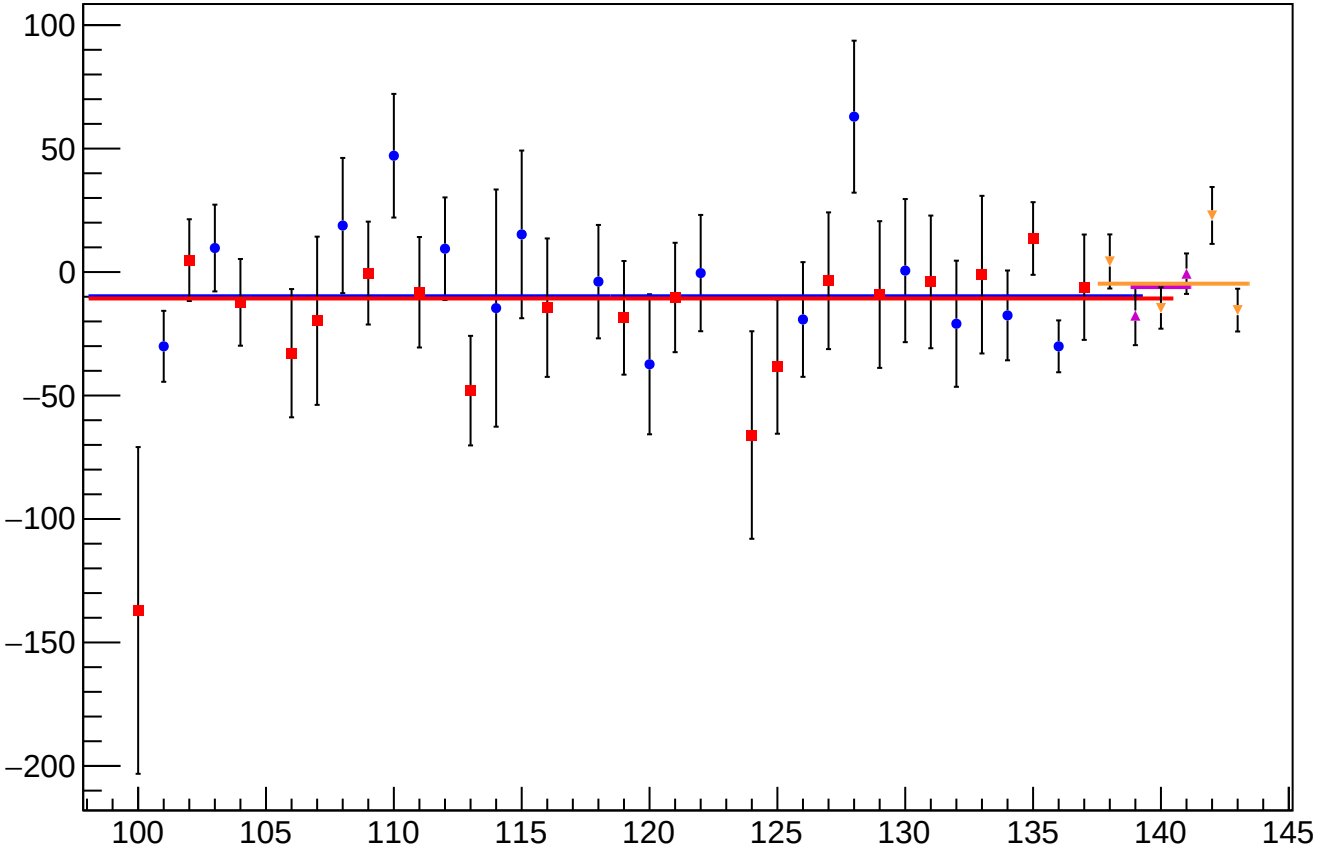
Left In: 5446.335+/-2.942 χ^2/NDF:5949.0/1

+ sign 6493.149+/-1.479 χ^2/NDF: 899069.3/19

All: 6451.902+/-1.066 χ^2/NDF: 1851560.4/40

- sign 6407.237+/-1.539 χ^2/NDF: 950870.4/20

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -4.706+/-4.797 χ^2/NDF:9.3/3

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

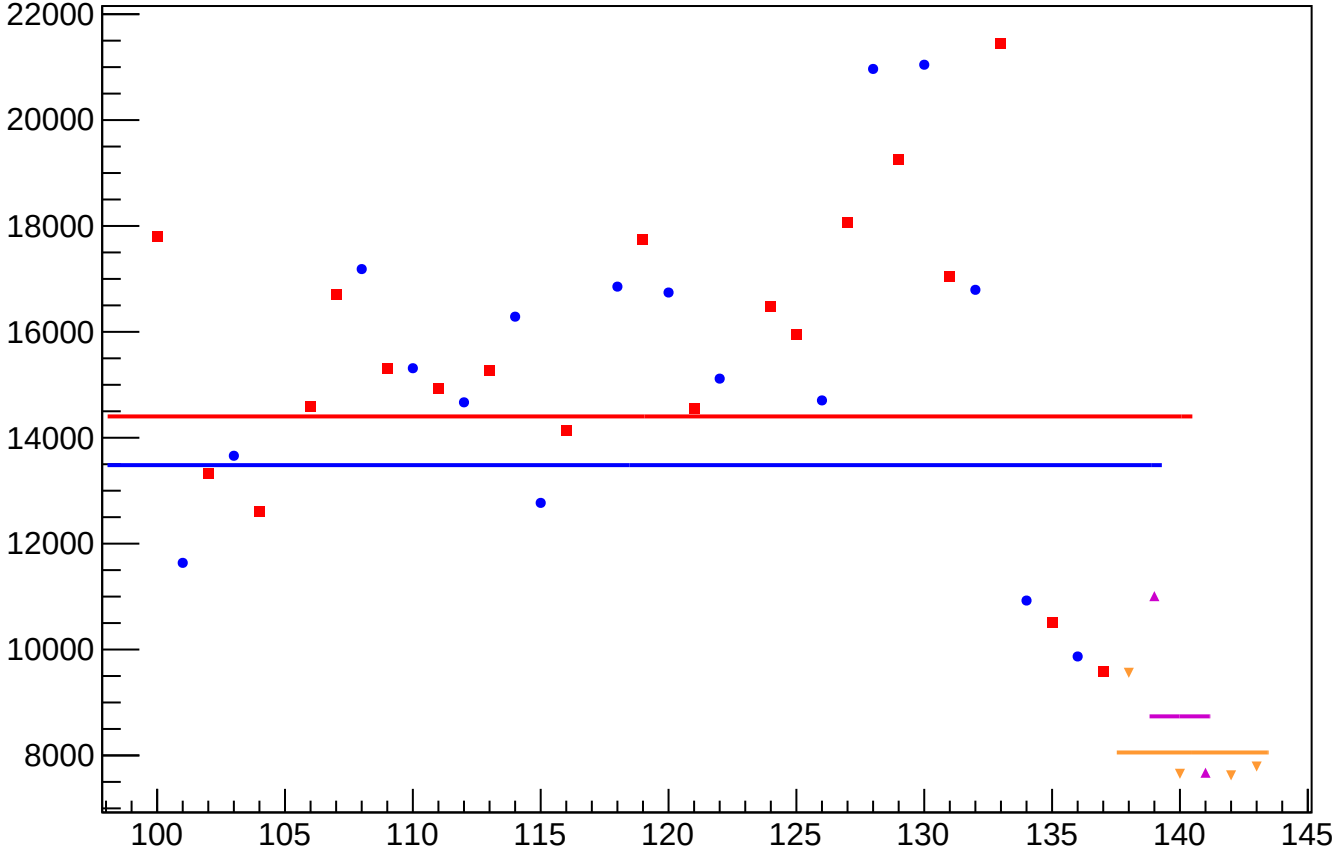
Left In: -6.076+/-6.762 χ^2/NDF:1.4/1

+ sign -7.063+/-3.519 χ^2/NDF: 31.9/19

All: -7.822+/-2.700 χ^2/NDF: 48.0/40

- sign -8.909+/-4.210 χ^2/NDF: 16.0/20

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8055.816+/-3.392 χ^2/NDF:47079.3/3

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

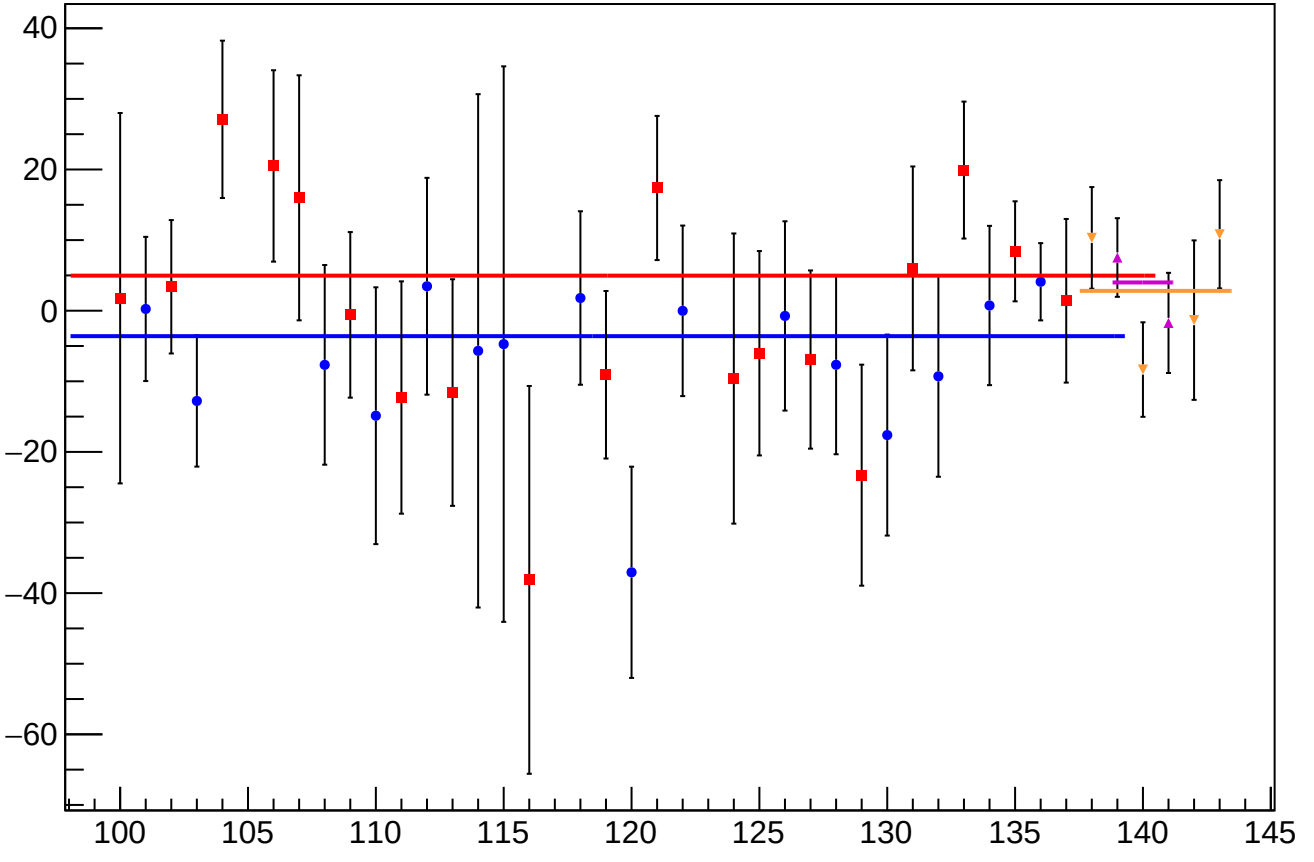
Left In: 8738.001+/-4.782 χ^2/NDF:105703.5/1

+ sign 10562.407+/-2.488 χ^2/NDF: 1973045.8/19

All: 11238.624+/-1.909 χ^2/NDF: 3670128.9/4

- sign 12206.622+/-2.977 χ^2/NDF: 1517518.1/20

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 2.807+/-3.879 χ^2/NDF:5.1/3

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

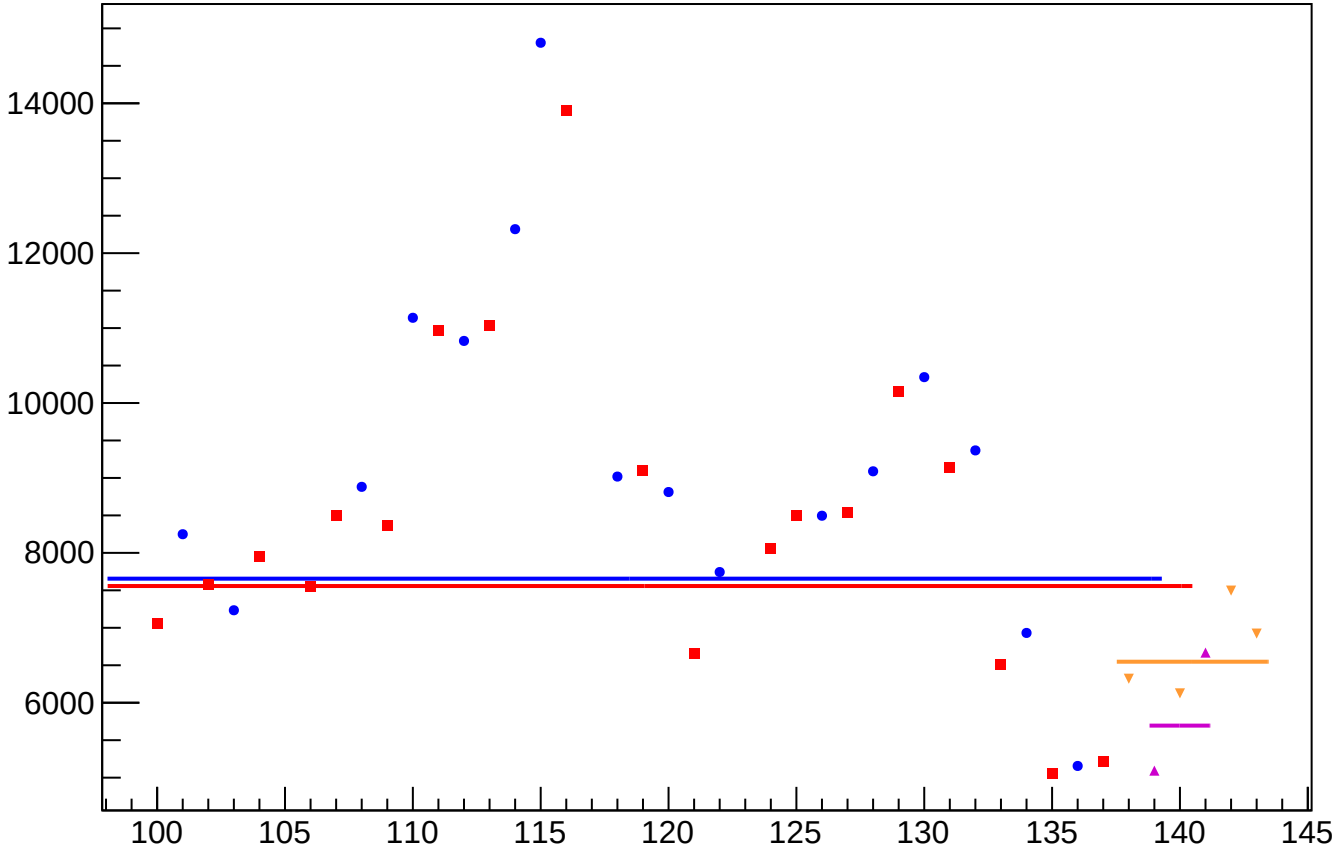
Left In: 4.001+/-4.381 χ^2/NDF:1.1/1

+ sign -1.265+/-2.343 χ^2/NDF: 17.3/19

All: 1.645+/-1.674 χ^2/NDF: 42.9/40

- sign 4.678+/-2.392 χ^2/NDF: 22.5/20

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6547.377+/-2.743 χ^2/NDF:28875.3/3

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

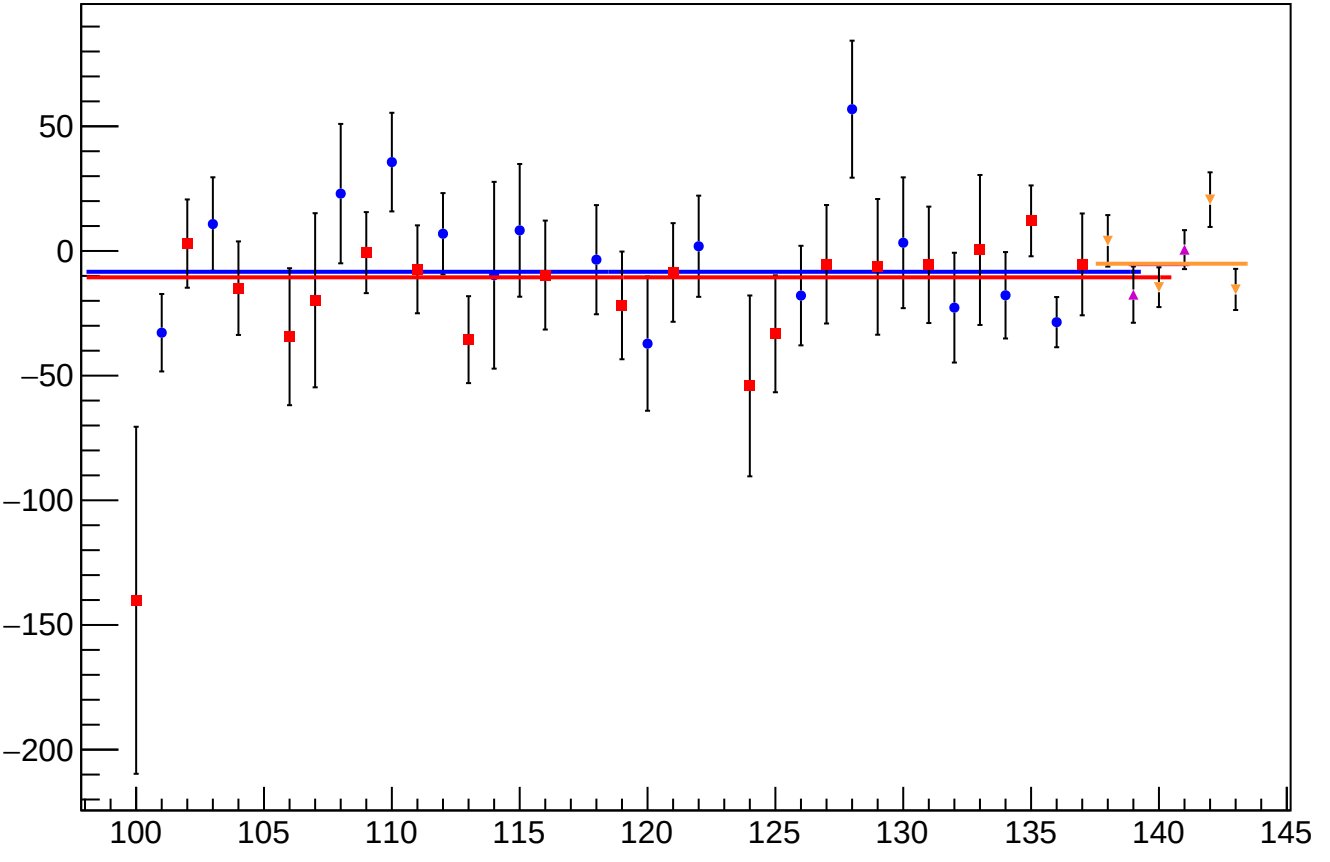
Left In: 5694.543+/-3.098 χ^2/NDF:61006.1/1

+ sign 7251.361+/-1.657 χ^2/NDF: 1012394.0/19

All: 7129.317+/-1.184 χ^2/NDF: 2148153.1/40

- sign 7002.085+/-1.692 χ^2/NDF: 1124674.6/20

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -5.111+/-4.556 χ^2/NDF:9.3/3

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

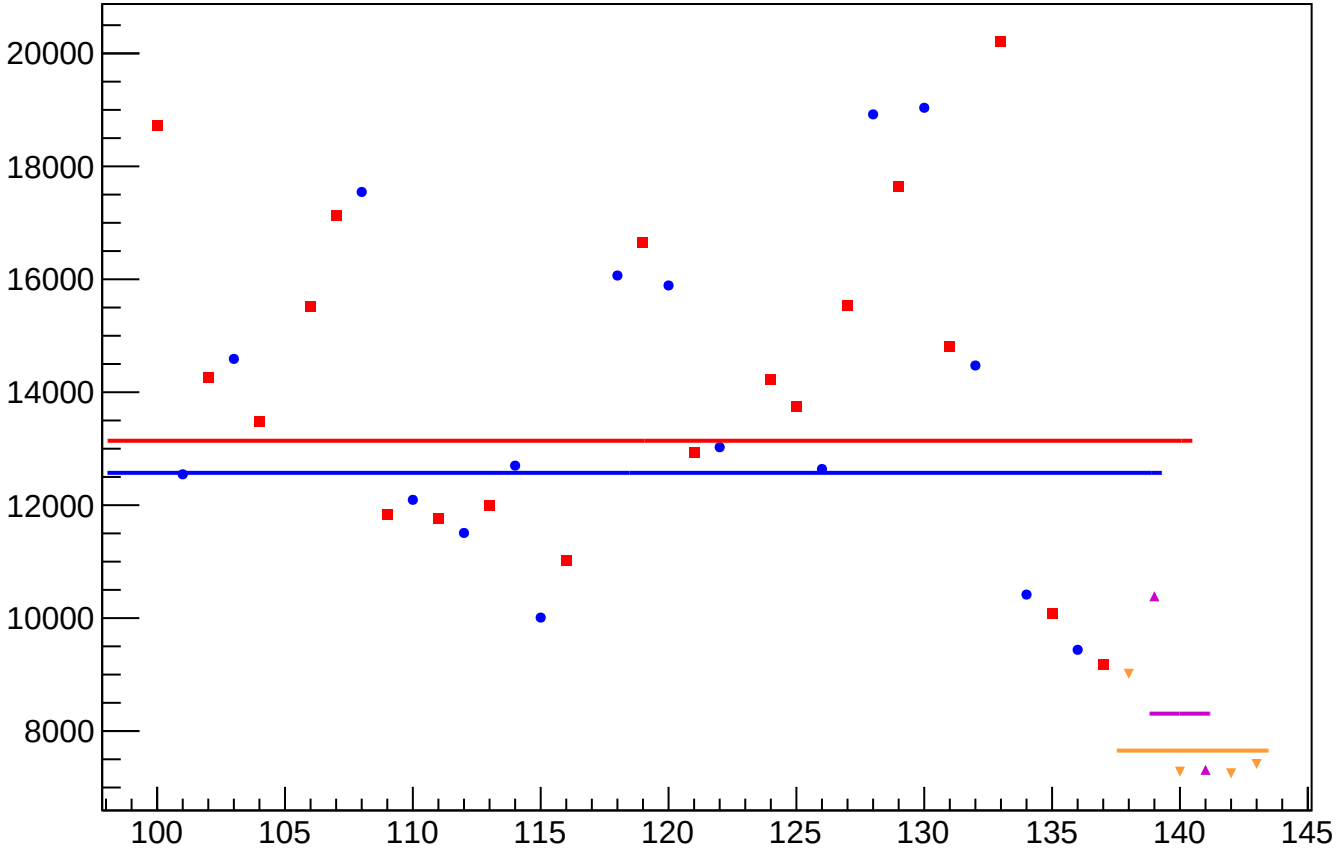
Left In: -5.297+/-6.424 χ^2/NDF:1.7/1

+ sign -6.642+/-3.309 χ^2/NDF: 32.7/19

All: -7.473+/-2.524 χ^2/NDF: 47.9/40

- sign -8.627+/-3.902 χ^2/NDF: 15.1/20

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7653.977+/-3.222 χ^2/NDF:43433.4/3

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

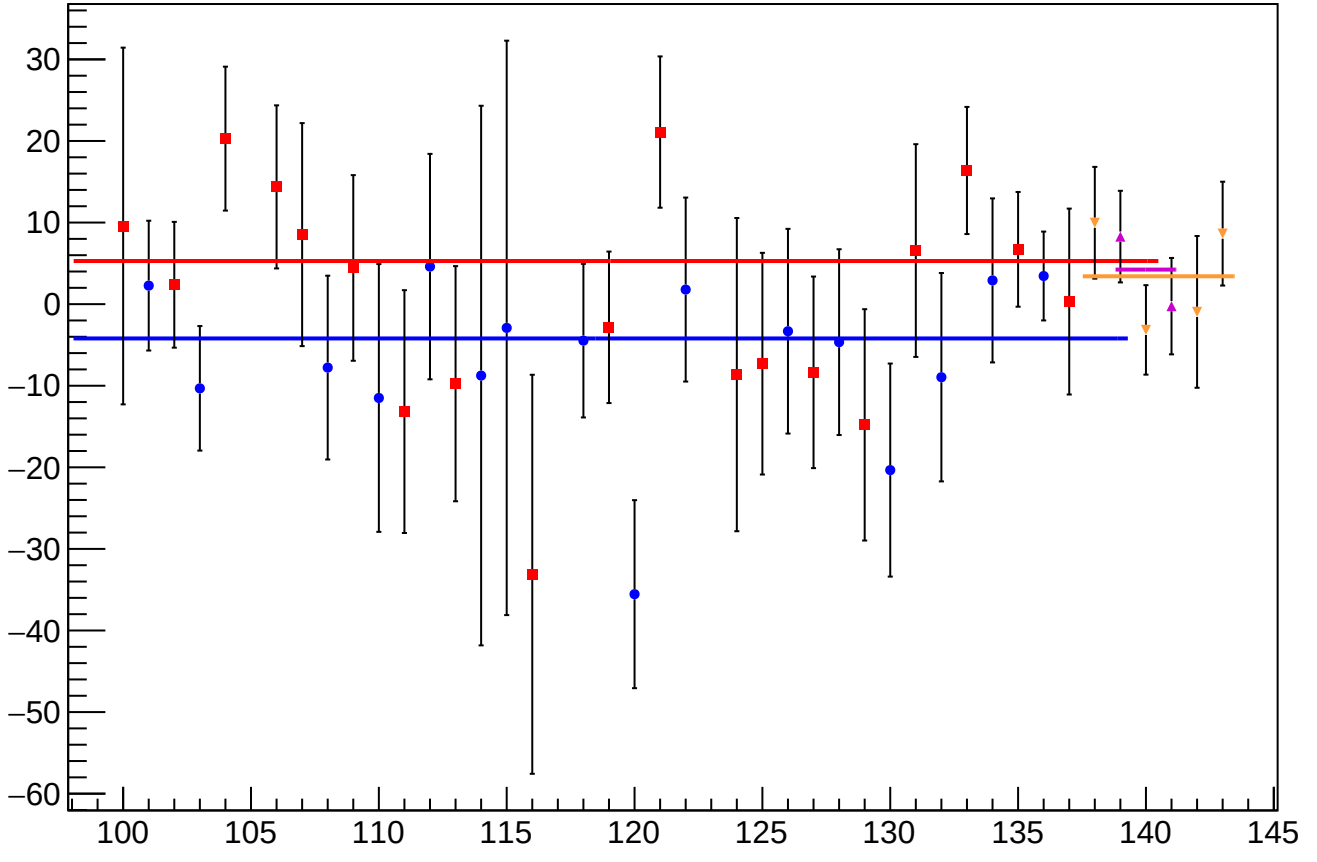
Left In: 8308.236+/-4.543 χ^2/NDF:100167.5/1

+ sign 9978.173+/-2.340 χ^2/NDF: 1809860.4/19

All: 10555.748+/-1.784 χ^2/NDF: 3304831.3/4

- sign 11358.681+/-2.759 χ^2/NDF: 1349331.0/20

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.415+/-3.318 χ^2/NDF:3.2/3

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

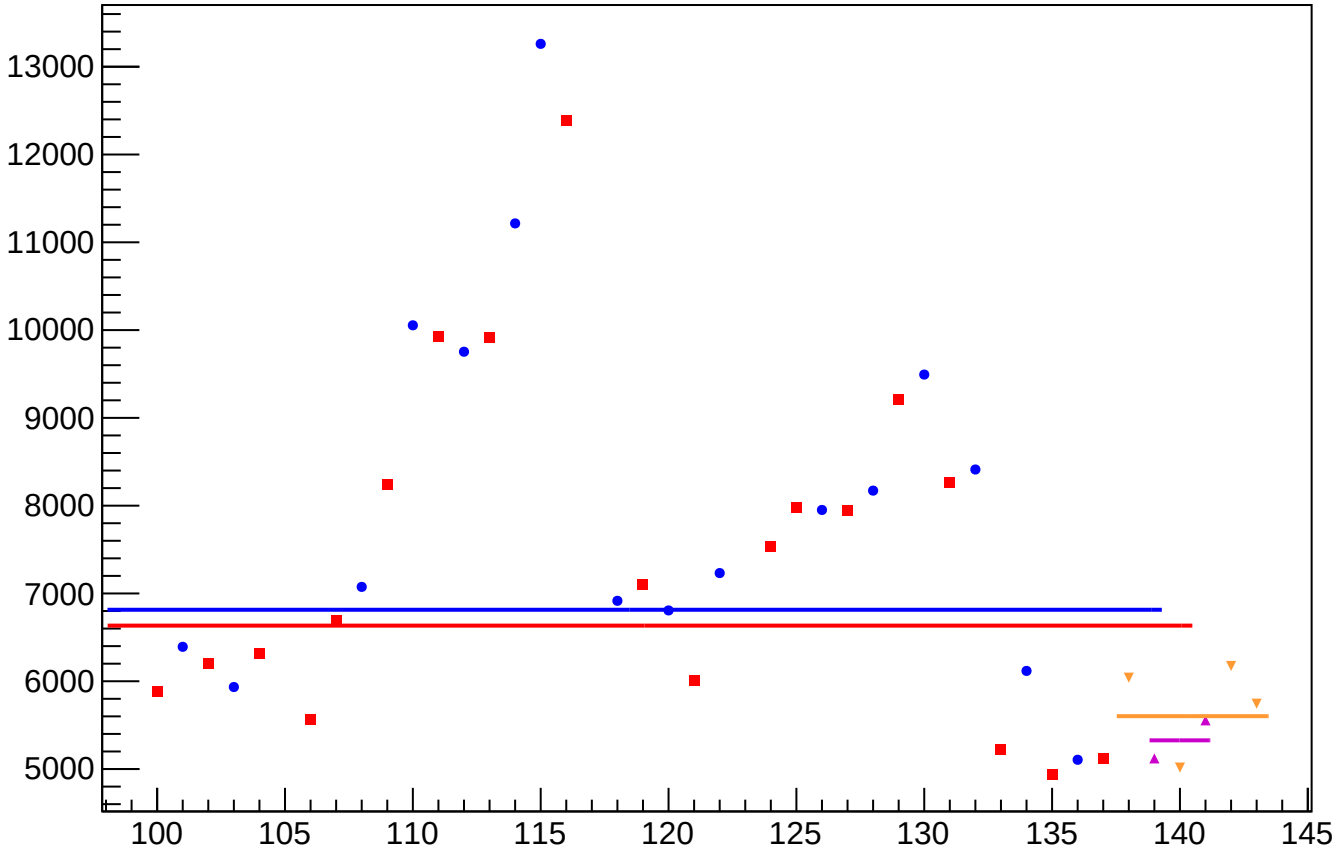
Left In: 4.235+/-4.070 χ^2/NDF:1.1/1

+ sign -1.305+/-2.047 χ^2/NDF: 20.4/19

All: 1.719+/-1.476 χ^2/NDF: 45.8/40

- sign 4.999+/-2.131 χ^2/NDF: 20.9/20

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5602.235+/-2.346 χ^2/NDF:39543.4/3

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

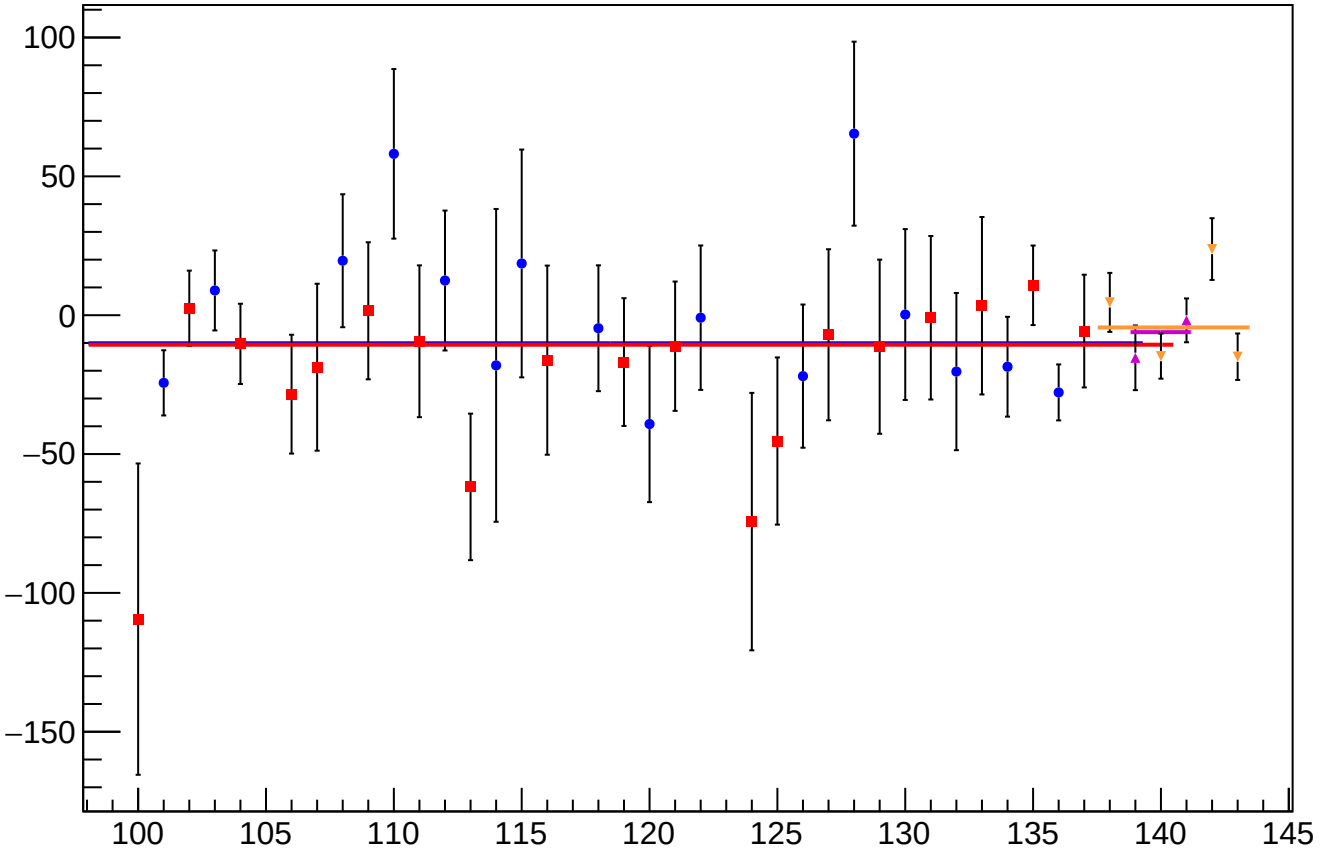
Left In: 5326.889+/-2.878 χ^2/NDF:5664.5/1

+ sign 6353.081+/-1.447 χ^2/NDF: 878976.1/19

All: 6315.747+/-1.044 χ^2/NDF: 1799025.8/40

- sign 6275.256+/-1.507 χ^2/NDF: 918662.5/20

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -4.405+/-4.639 χ^2/NDF:10.4/3

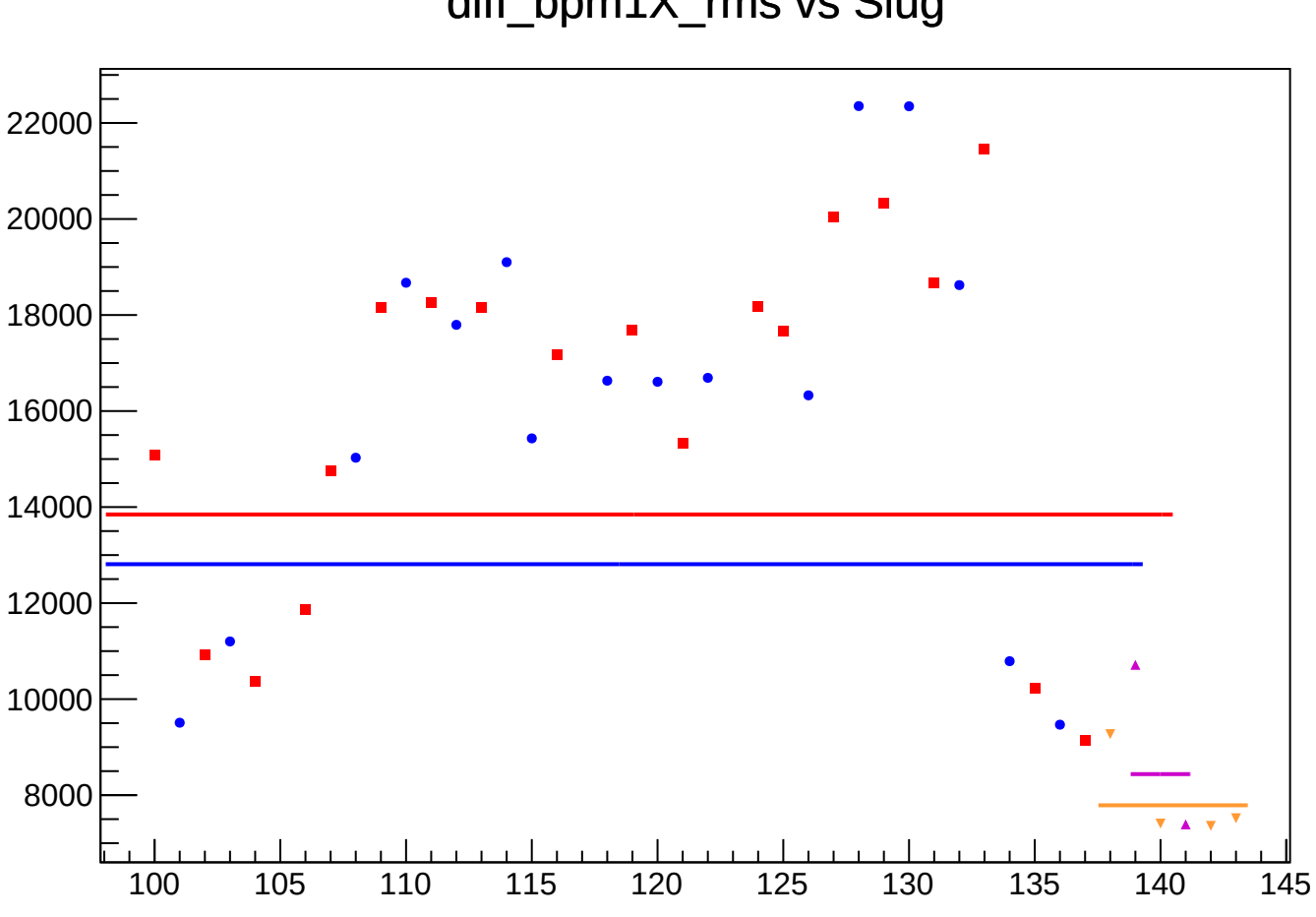
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -6.097+/-6.536 χ^2/NDF:0.9/1

+ sign -7.036+/-3.406 χ^2/NDF: 32.3/19

All: -7.770+/-2.621 χ^2/NDF: 48.4/40

- sign -8.837+/-4.106 χ^2/NDF: 16.0/20



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 7788.554+/-3.280 χ^2/NDF:48416.1/3

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

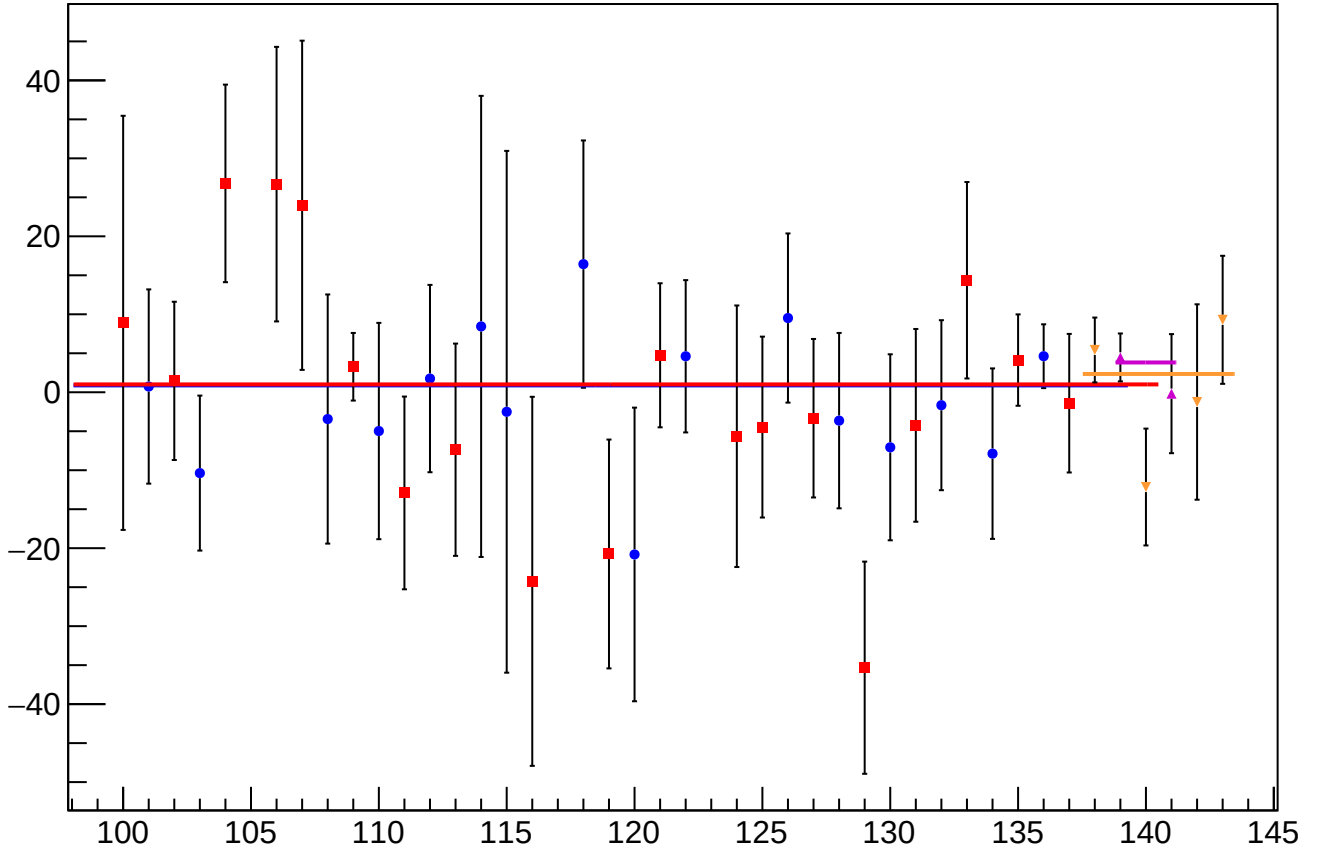
Left In: 8437.795+/-4.621 χ^2/NDF:111459.2/1

+ sign 10102.884+/-2.409 χ^2/NDF: 2376681.5/19

All: 10758.737+/-1.854 χ^2/NDF: 4595532.7/4

- sign 11711.598+/-2.903 χ^2/NDF: 2036969.9/20

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 2.347+/-3.212 χ^2/NDF:5.1/3

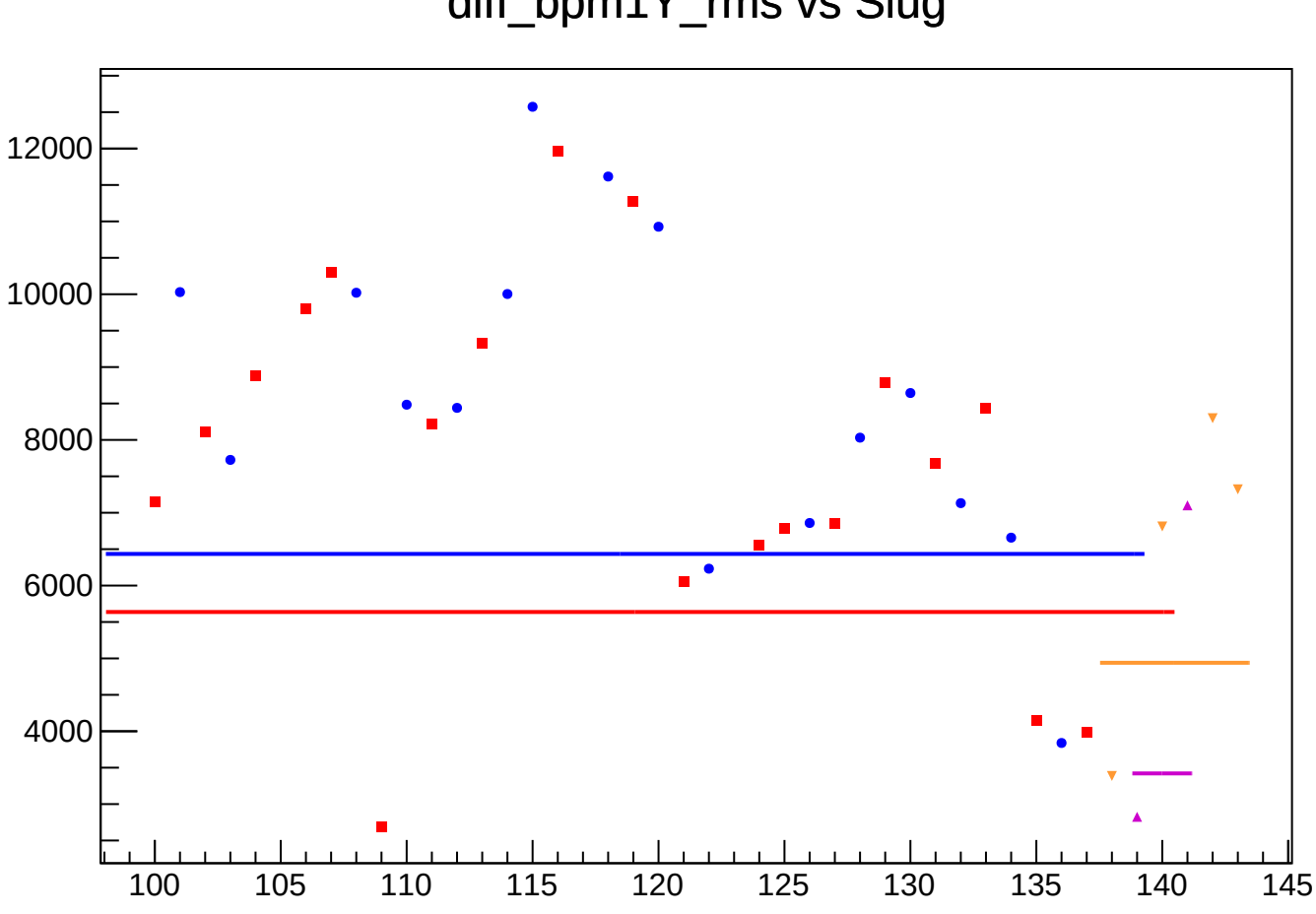
Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: 3.820+/-2.850 χ^2/NDF:0.3/1

+ sign 1.453+/-2.005 χ^2/NDF: 12.0/19

All: 1.825+/-1.338 χ^2/NDF: 35.3/40

- sign 2.124+/-1.796 χ^2/NDF: 23.2/20



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 4940.215+/-2.271 χ^2/NDF:716340.4/3

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

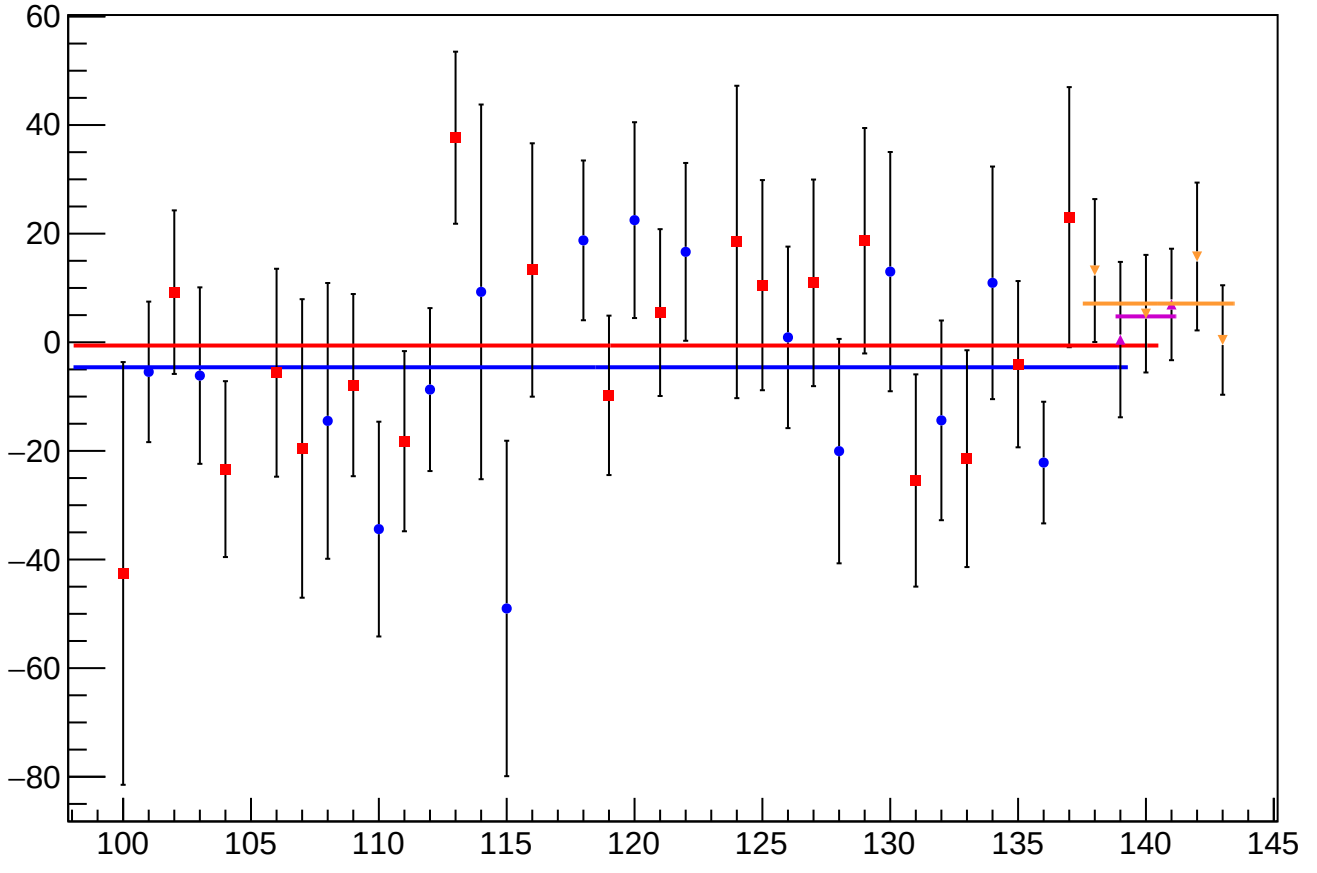
Left In: 3421.155+/-2.016 χ^2/NDF:539771.2/1

+ sign 5852.321+/-1.418 χ^2/NDF: 2731217.2/19

All: 5244.846+/-0.946 χ^2/NDF: 6910852.2/40

- sign 4757.045+/-1.270 χ^2/NDF: 3848542.8/20

diff_bpm11X_mean vs Slug



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 7.127+/-5.817 χ^2/NDF:1.1/3

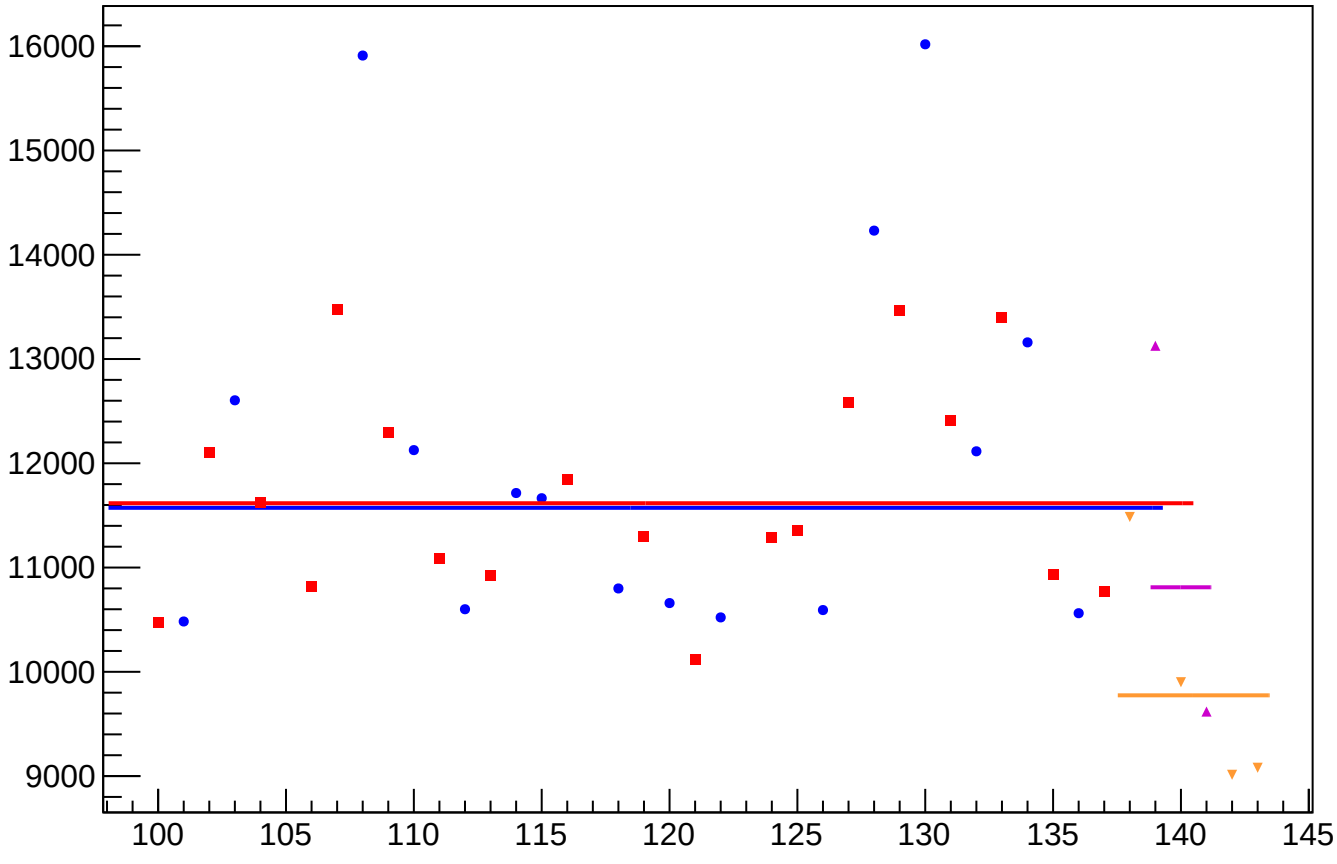
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 4.765+/-8.339 χ^2/NDF:0.1/1

+ sign -0.390+/-3.486 χ^2/NDF: 19.5/19

All: 0.023+/-2.568 χ^2/NDF: 37.9/40

- sign 0.513+/-3.798 χ^2/NDF: 18.4/20



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9774.471+/-4.113 χ^2/NDF:49834.8/3

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

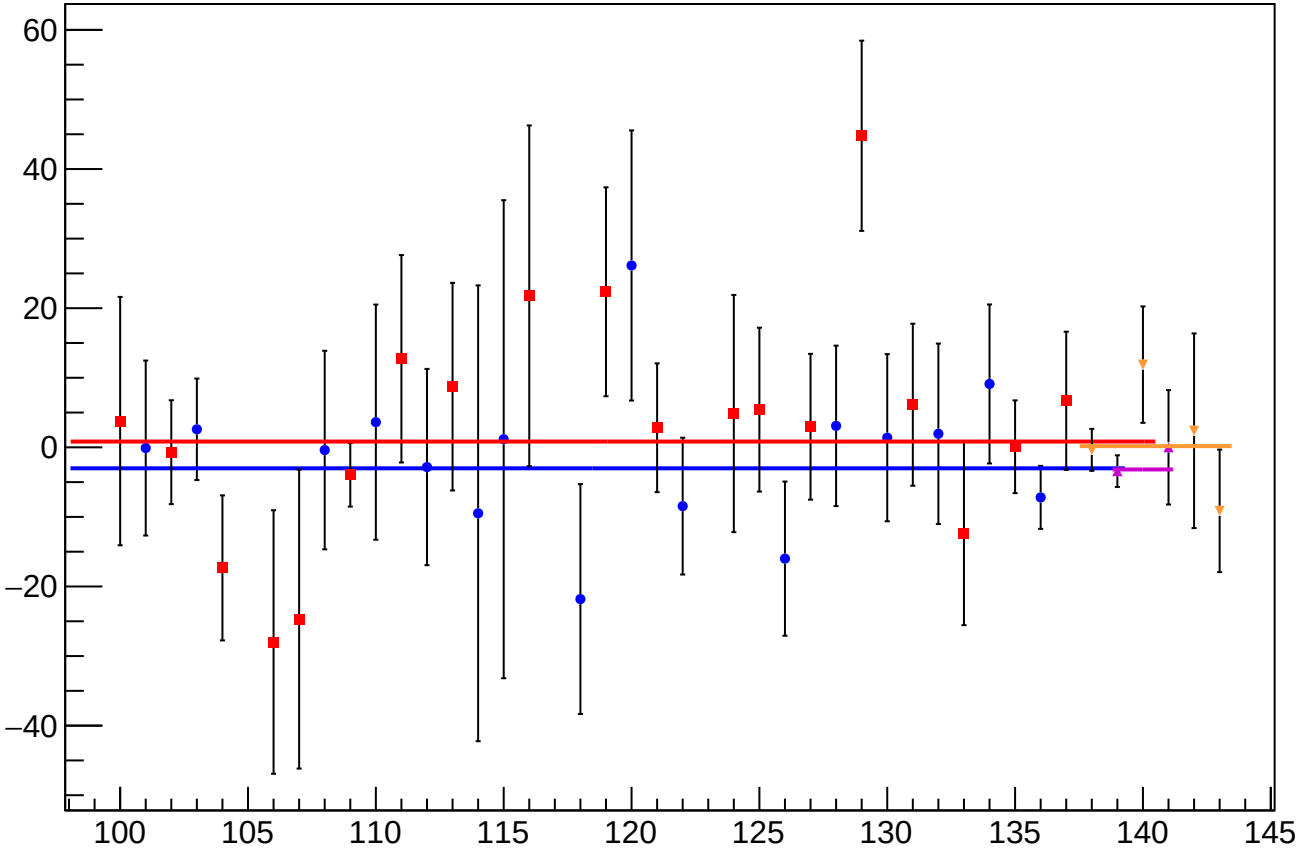
Left In: 10810.717+/-5.896 χ^2/NDF:79416.5/1

+ sign 10927.148+/-2.465 χ^2/NDF: 432428.0/19

All: 11166.006+/-1.816 χ^2/NDF: 640354.7/40

- sign 11449.542+/-2.686 χ^2/NDF: 187392.5/20

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.173+/-2.653 χ^2/NDF:3.1/3

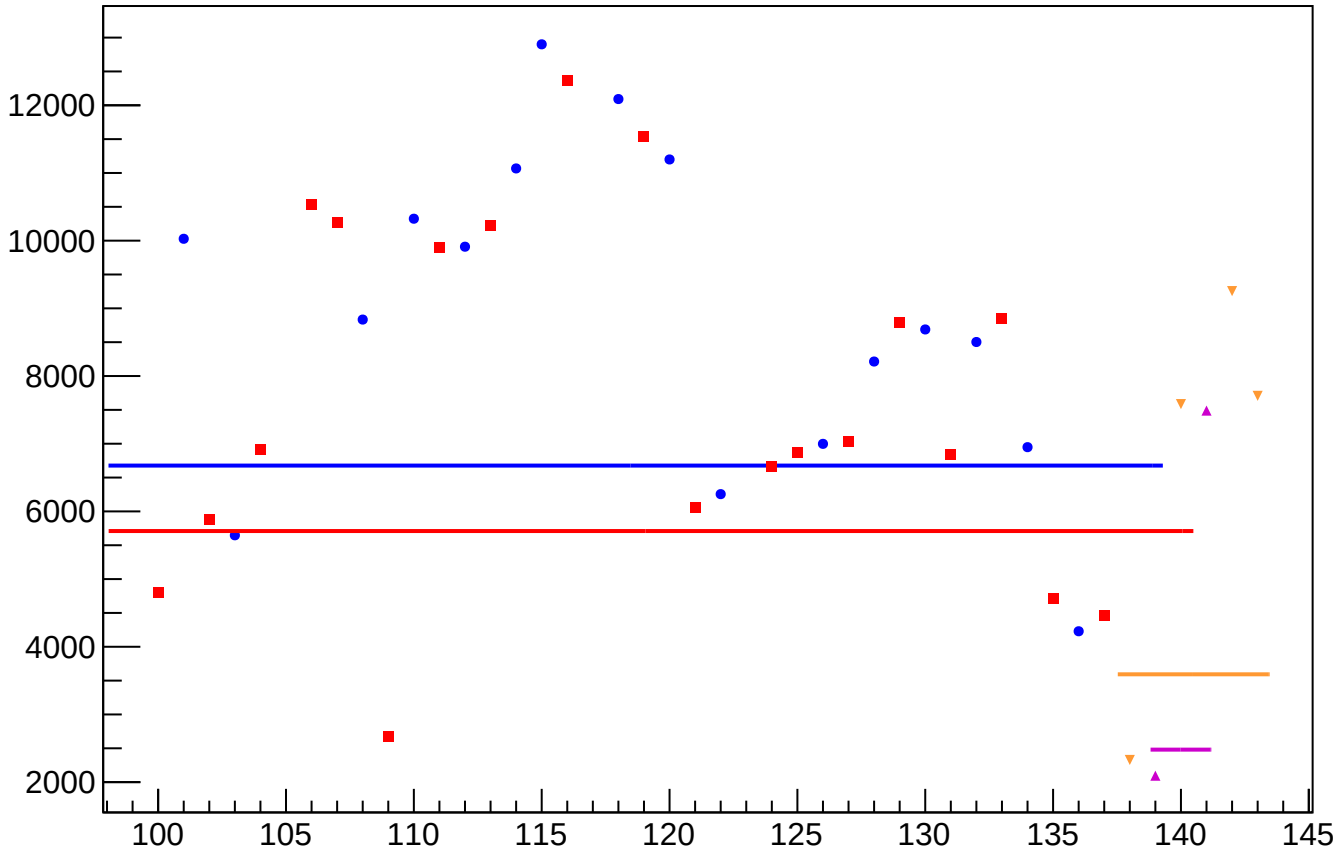
Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: -3.178+/-2.197 χ^2/NDF:0.2/1

+ sign -1.420+/-1.876 χ^2/NDF: 12.5/19

All: -1.356+/-1.220 χ^2/NDF: 38.0/40

- sign -1.309+/-1.605 χ^2/NDF: 25.5/20



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 3593.130+/-1.876 χ^2/NDF:1570792.7/3

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

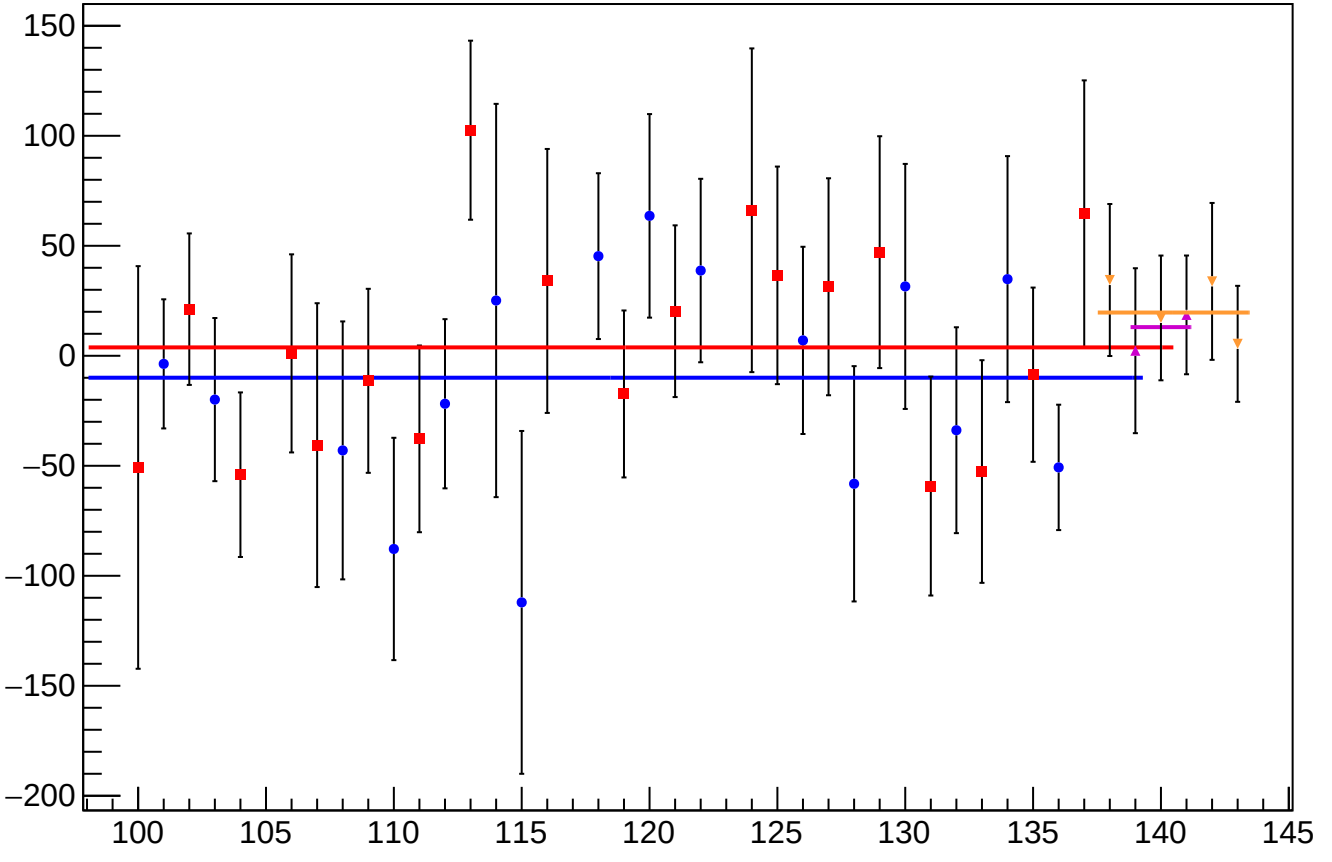
Left In: 2480.308+/-1.554 χ^2/NDF:798908.6/1

+ sign 5134.276+/-1.327 χ^2/NDF: 4494452.7/19

All: 4471.143+/-0.863 χ^2/NDF: 10041100.7/4

- sign 3985.568+/-1.135 χ^2/NDF: 5113844.6/20

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

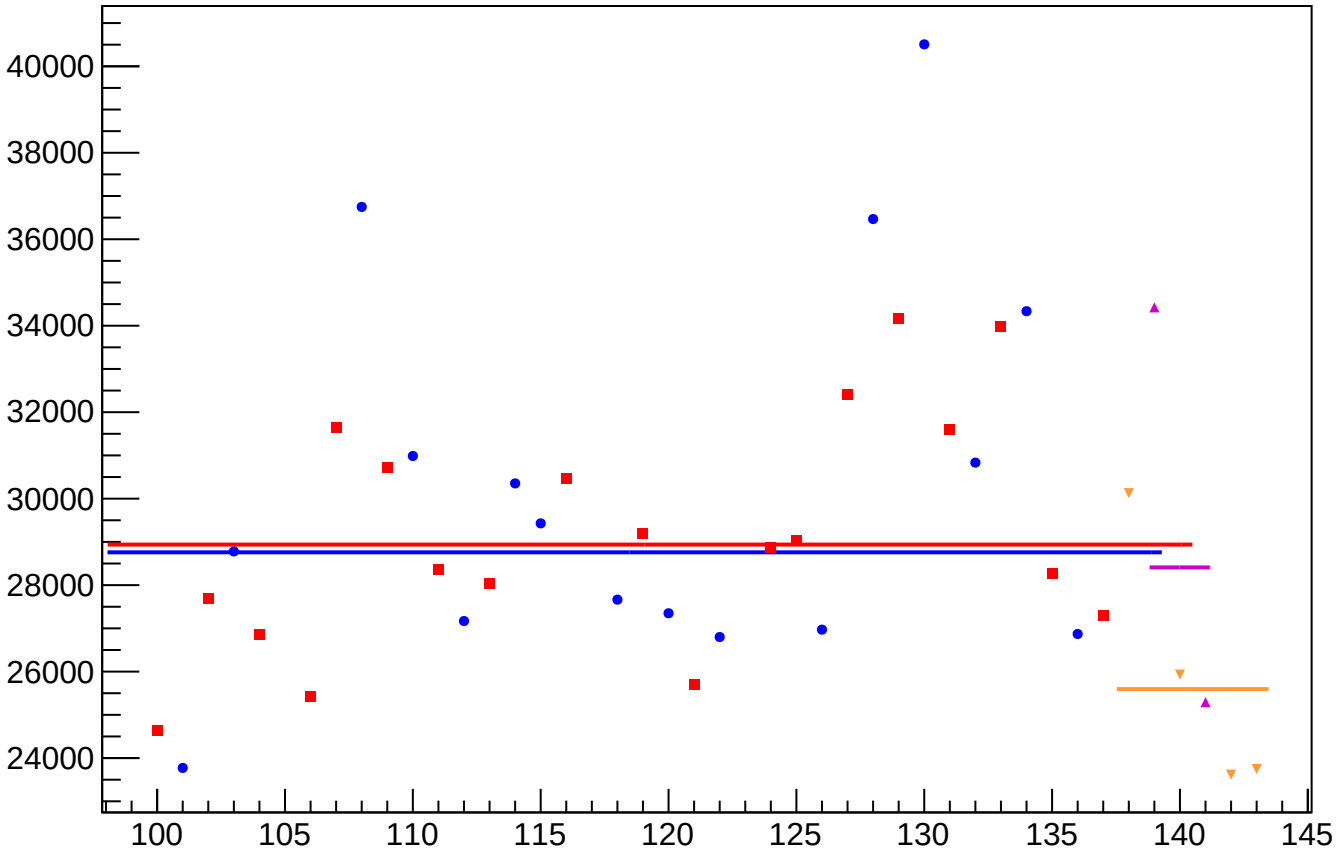
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 13.031+/-21.903 χ^2/NDF:0.1/1

+ sign -0.018+/-8.831 χ^2/NDF: 18.4/19

All: 2.554+/-6.489 χ^2/NDF: 36.2/40

- sign 5.572+/-9.568 χ^2/NDF: 17.6/20



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25595.044+/-10.775 χ^2/NDF:50707.5/3

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

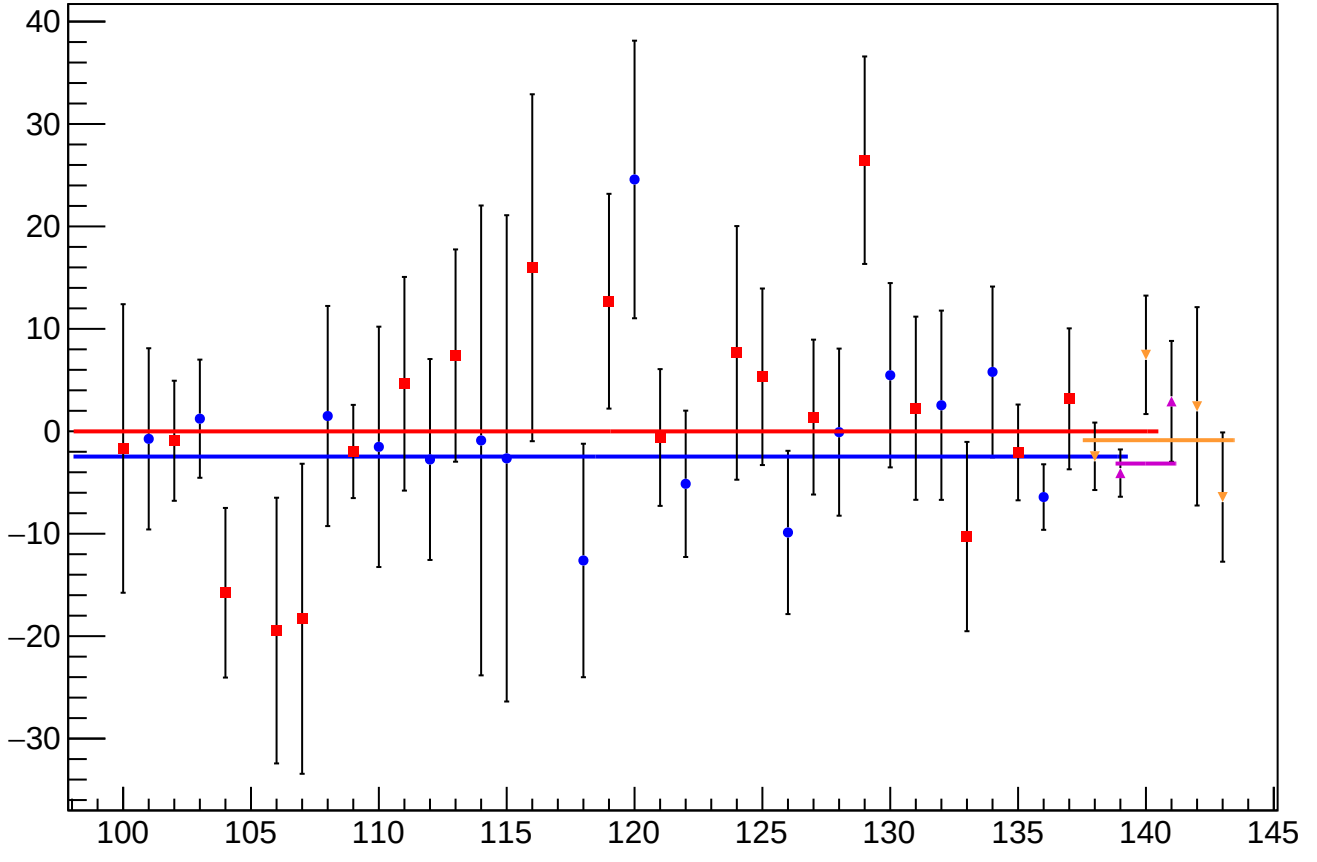
Left In: 28409.950+/-15.488 χ^2/NDF:78168.4/1

+ sign 27696.414+/-6.244 χ^2/NDF: 385615.7/19

All: 28221.079+/-4.589 χ^2/NDF: 586335.5/40

- sign 28836.941+/-6.765 χ^2/NDF: 185373.7/20

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.869+/-2.516 χ^2/NDF:3.2/3

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

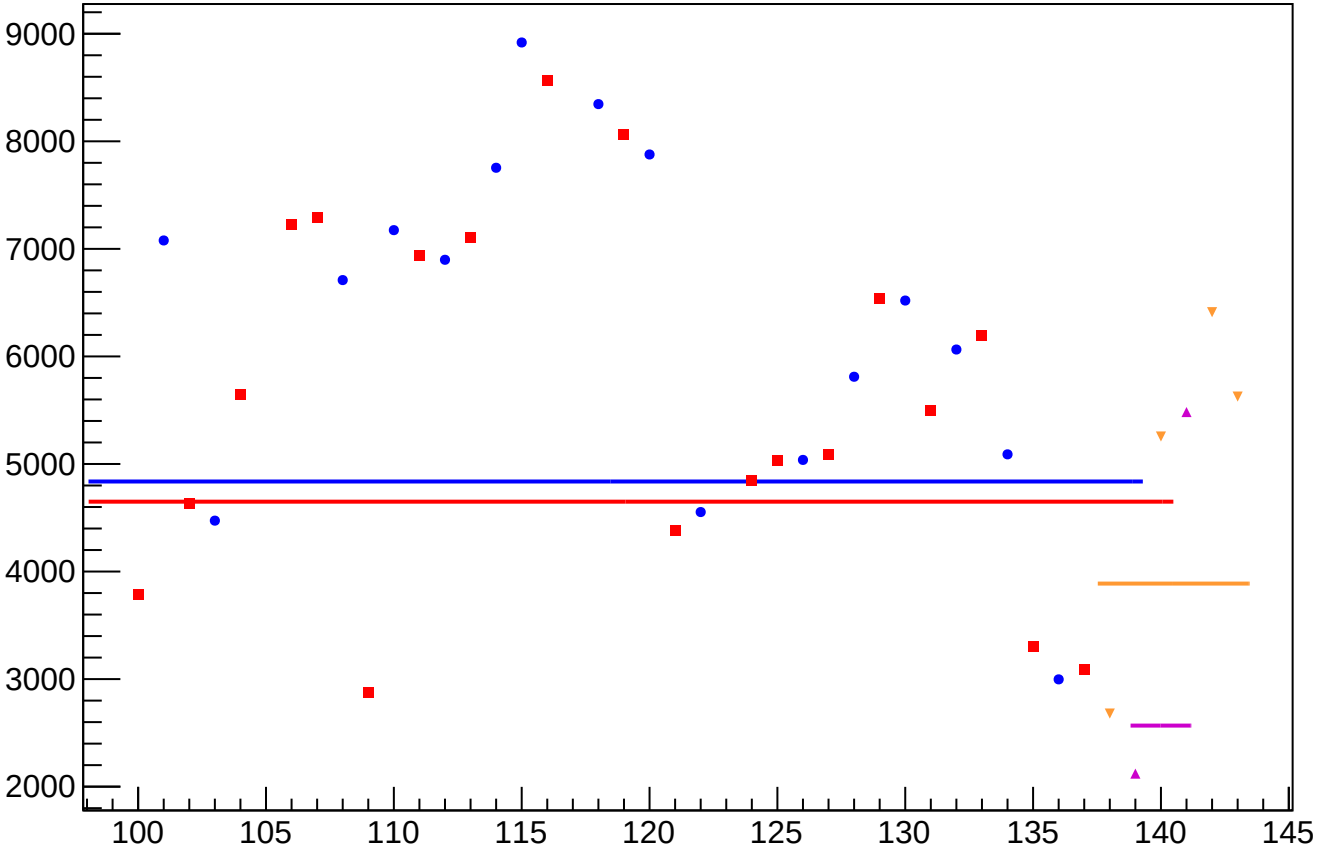
Left In: -3.150+/-2.150 χ^2/NDF:1.2/1

+ sign -1.881+/-1.524 χ^2/NDF: 13.5/19

All: -1.579+/-1.028 χ^2/NDF: 36.0/40

- sign -1.327+/-1.393 χ^2/NDF: 22.4/20

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 3888.027+/-1.779 χ^2/NDF:668814.6/3

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

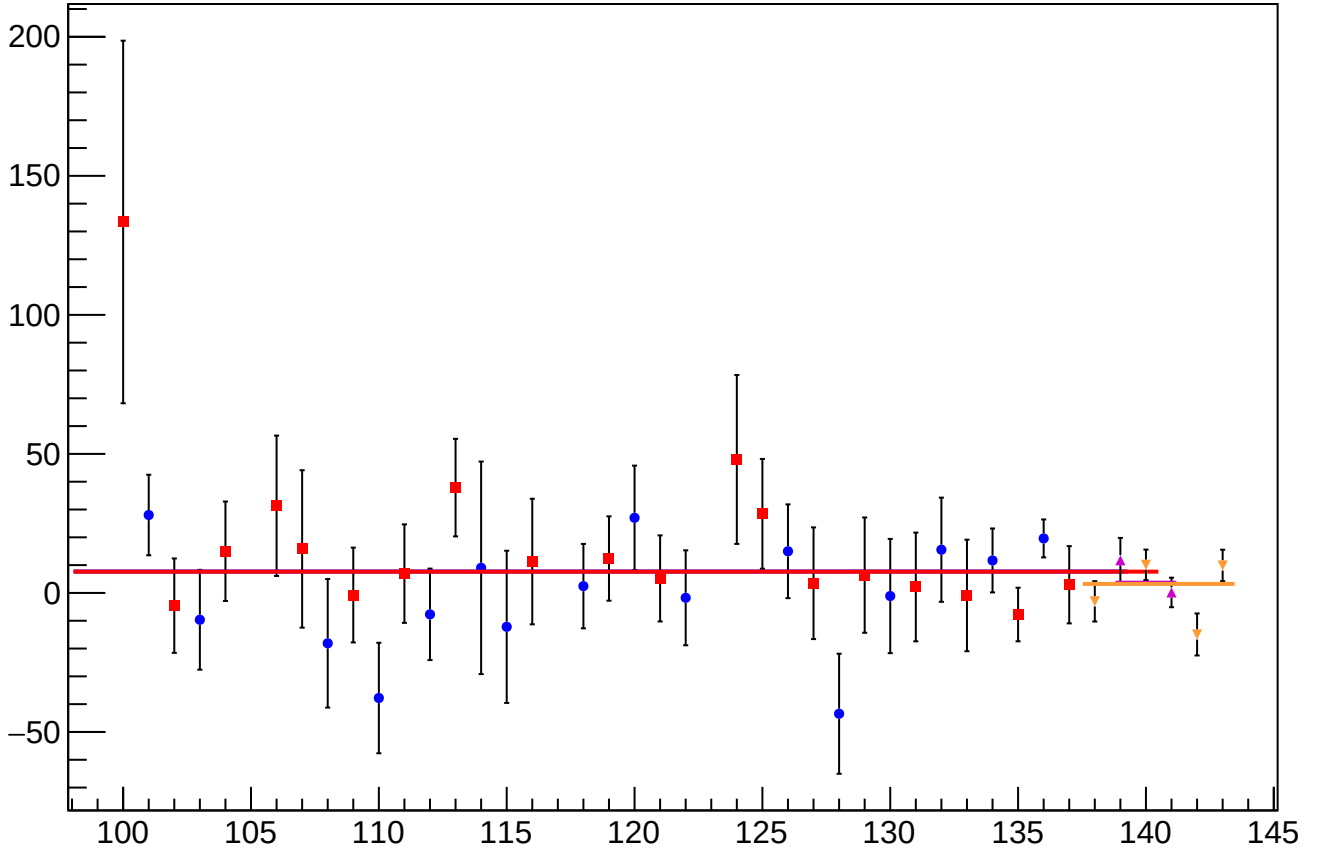
Left In: 2567.718+/-1.520 χ^2/NDF:563267.9/1

+ sign 4488.936+/-1.078 χ^2/NDF: 2396723.9/19

All: 4100.393+/-0.727 χ^2/NDF: 5721401.5/40

- sign 3776.005+/-0.985 χ^2/NDF: 3086217.5/20

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 3.243+/-3.142 χ^2/NDF:9.5/3

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

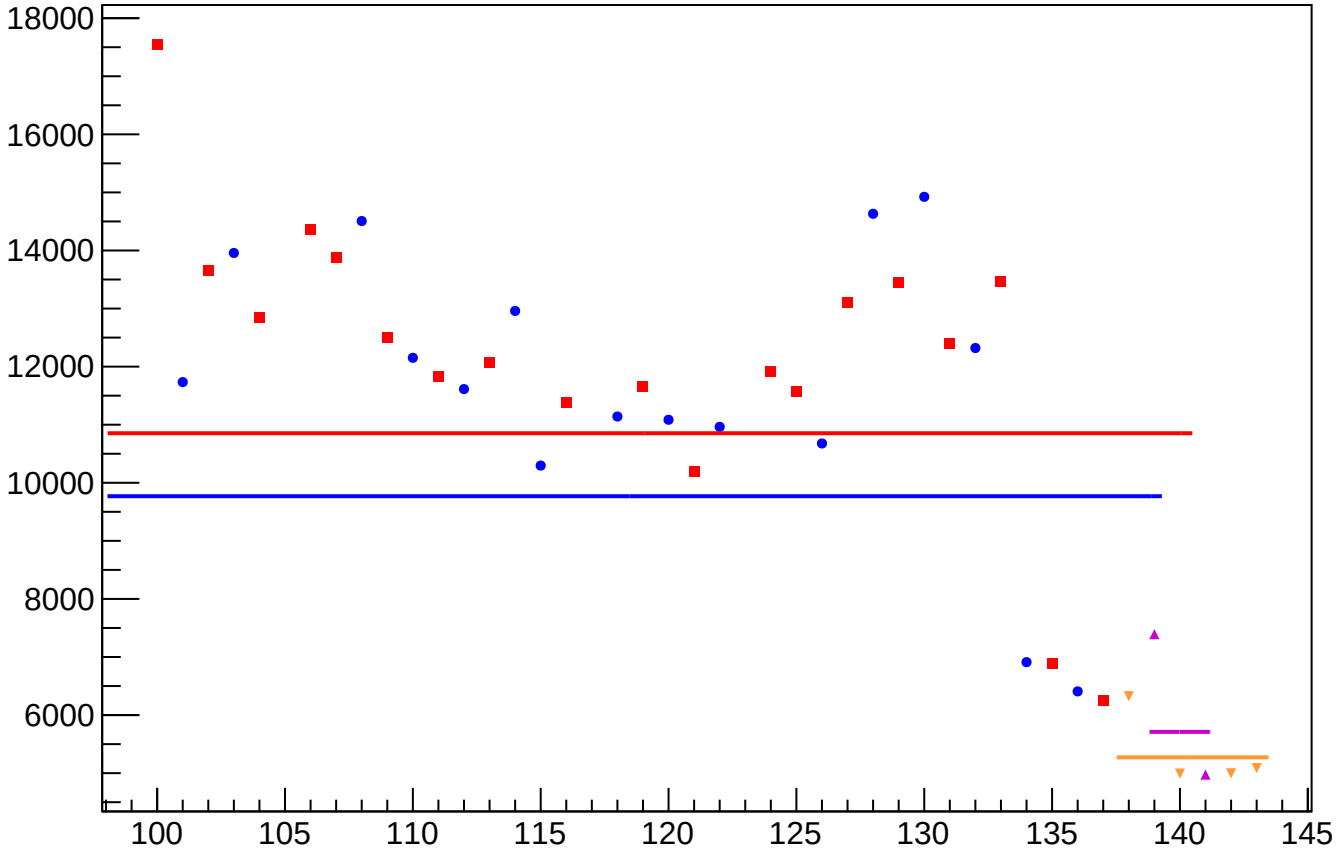
Left In: 3.690+/-4.433 χ^2/NDF:1.4/1

+ sign 5.041+/-2.427 χ^2/NDF: 31.9/19

All: 5.350+/-1.889 χ^2/NDF: 48.4/40

- sign 5.825+/-3.010 χ^2/NDF: 16.5/20

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5272.251+/-2.222 χ^2/NDF:52061.5/3

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

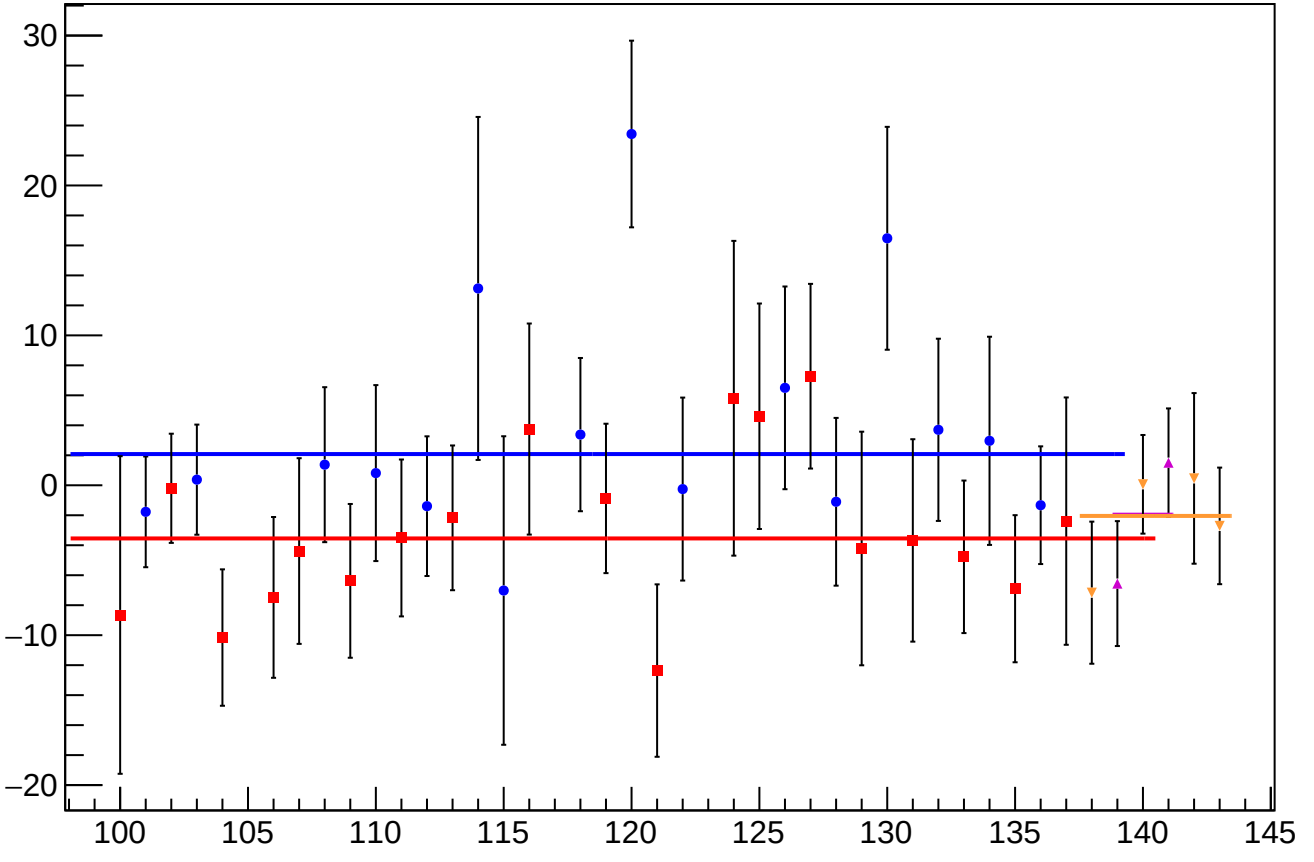
Left In: 5710.827+/-3.135 χ^2/NDF:125932.1/1

+ sign 7087.114+/-1.716 χ^2/NDF: 2918614.0/19

All: 7637.016+/-1.336 χ^2/NDF: 5630289.9/40

- sign 8482.884+/-2.128 χ^2/NDF: 2451008.1/20

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.044+/-2.068 χ^2/NDF:1.8/3

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

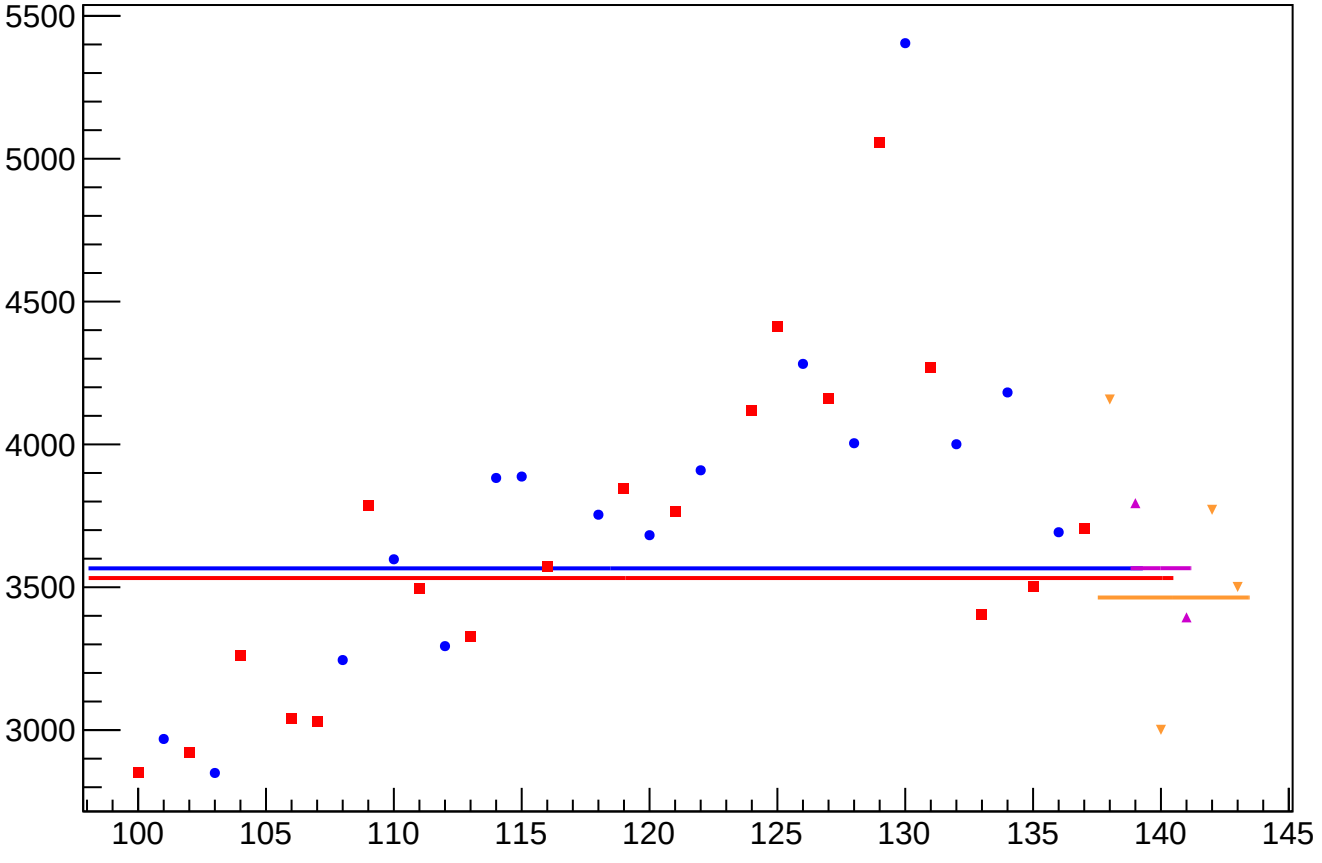
Left In: -1.962+/-2.732 χ^2/NDF:2.1/1

+ sign 0.855+/-1.128 χ^2/NDF: 25.6/19

All: -1.111+/-0.814 χ^2/NDF: 47.8/40

- sign -3.252+/-1.177 χ^2/NDF: 15.9/20

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3464.075+/-1.462 χ^2/NDF:88378.3/3

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

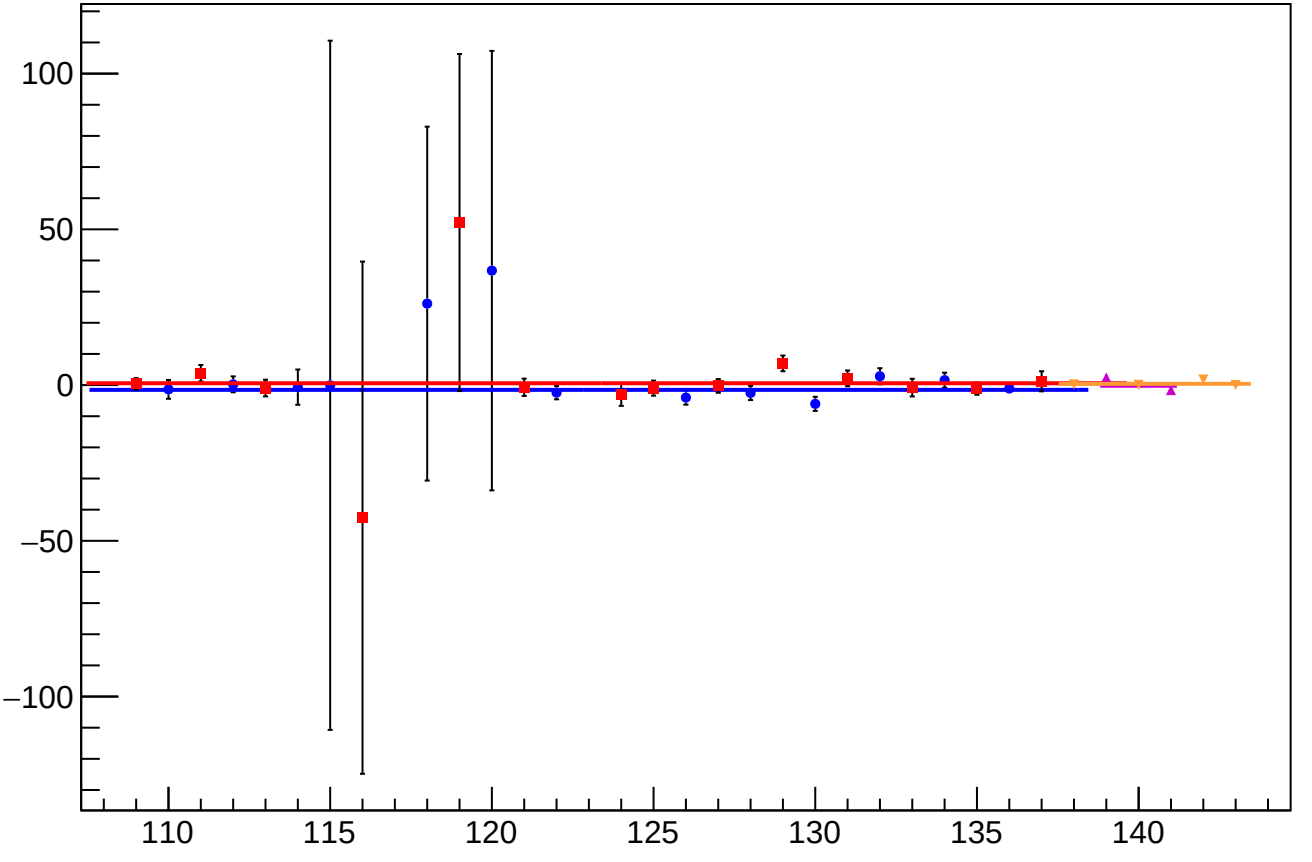
Left In: 3566.654+/-1.932 χ^2/NDF:10490.7/1

+ sign 3535.794+/-0.797 χ^2/NDF: 432907.9/19

All: 3537.129+/-0.576 χ^2/NDF: 722356.6/40

- sign 3538.584+/-0.832 χ^2/NDF: 289442.8/20

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.402+/-0.582 χ^2/NDF:1.3/3

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

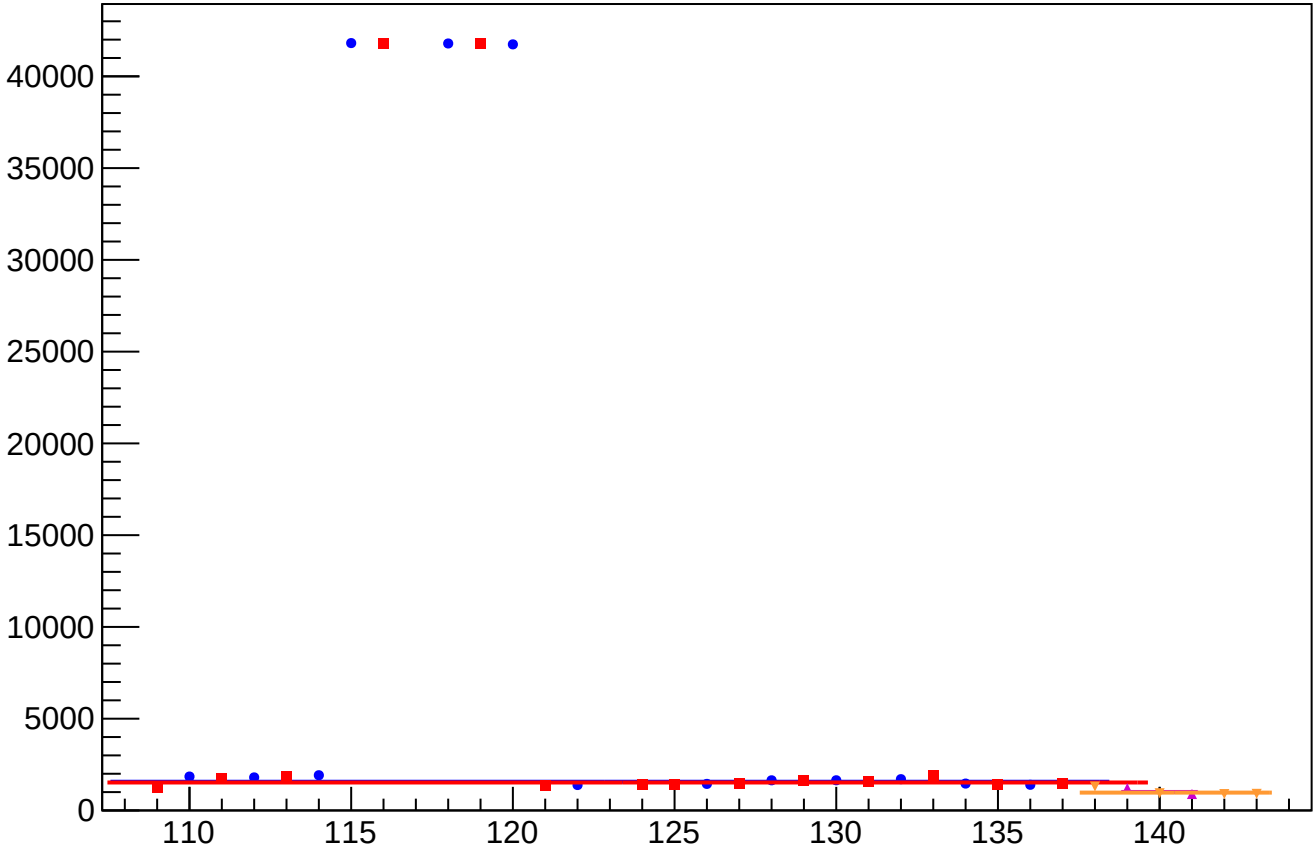
Left In: -0.222+/-0.777 χ^2/NDF:6.1/1

+ sign -0.348+/-0.456 χ^2/NDF: 16.7/16

All: -0.107+/-0.345 χ^2/NDF: 36.7/32

- sign 0.215+/-0.527 χ^2/NDF: 19.4/15

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 972.500+/-0.412 χ^2/NDF:117383.4/3

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

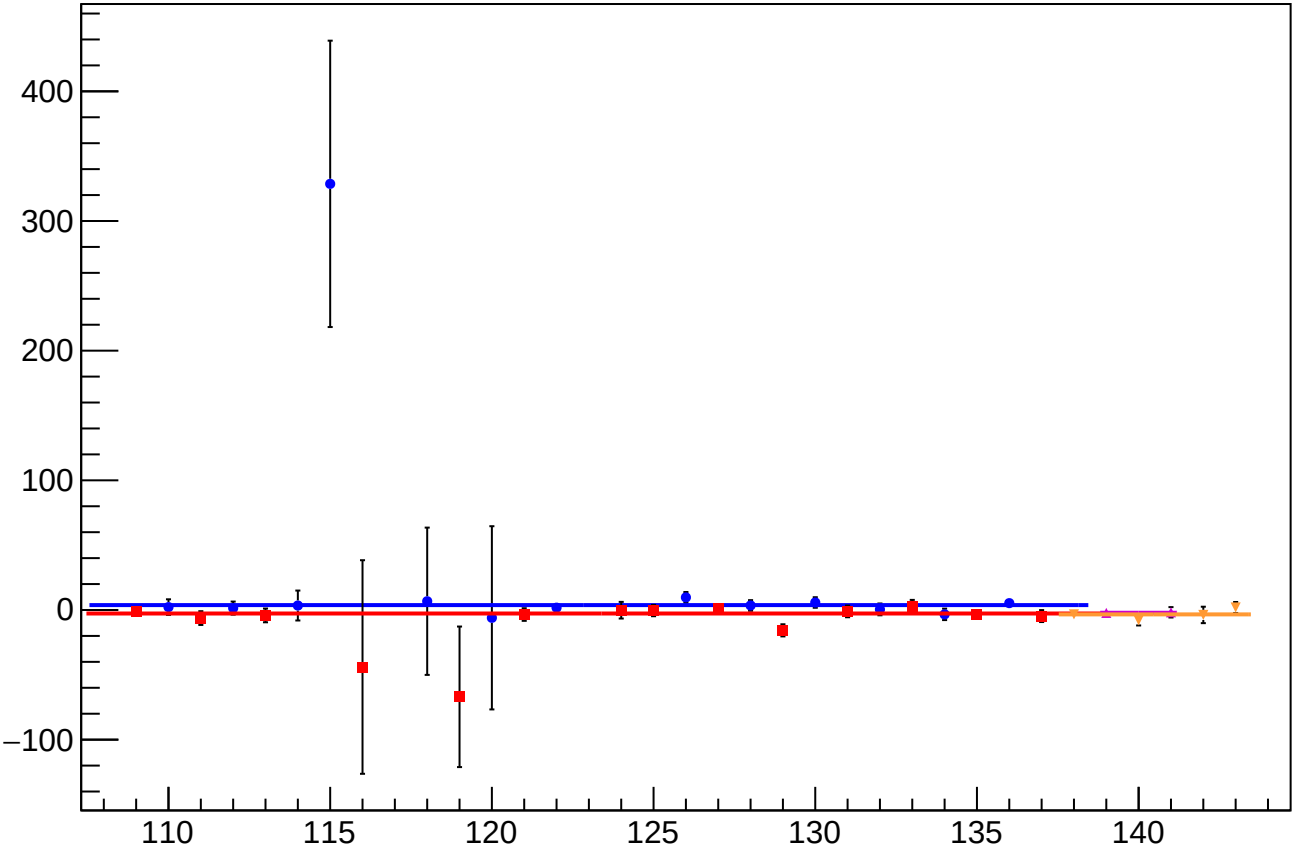
Left In: 1006.900+/-0.549 χ^2/NDF:75691.1/1

+ sign 1201.605+/-0.322 χ^2/NDF: 2934008.1/16

All: 1237.698+/-0.244 χ^2/NDF: 5256529.3/32

- sign 1285.912+/-0.373 χ^2/NDF: 2293239.7/15

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -3.391+/-1.639 χ^2/NDF:2.9/3

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

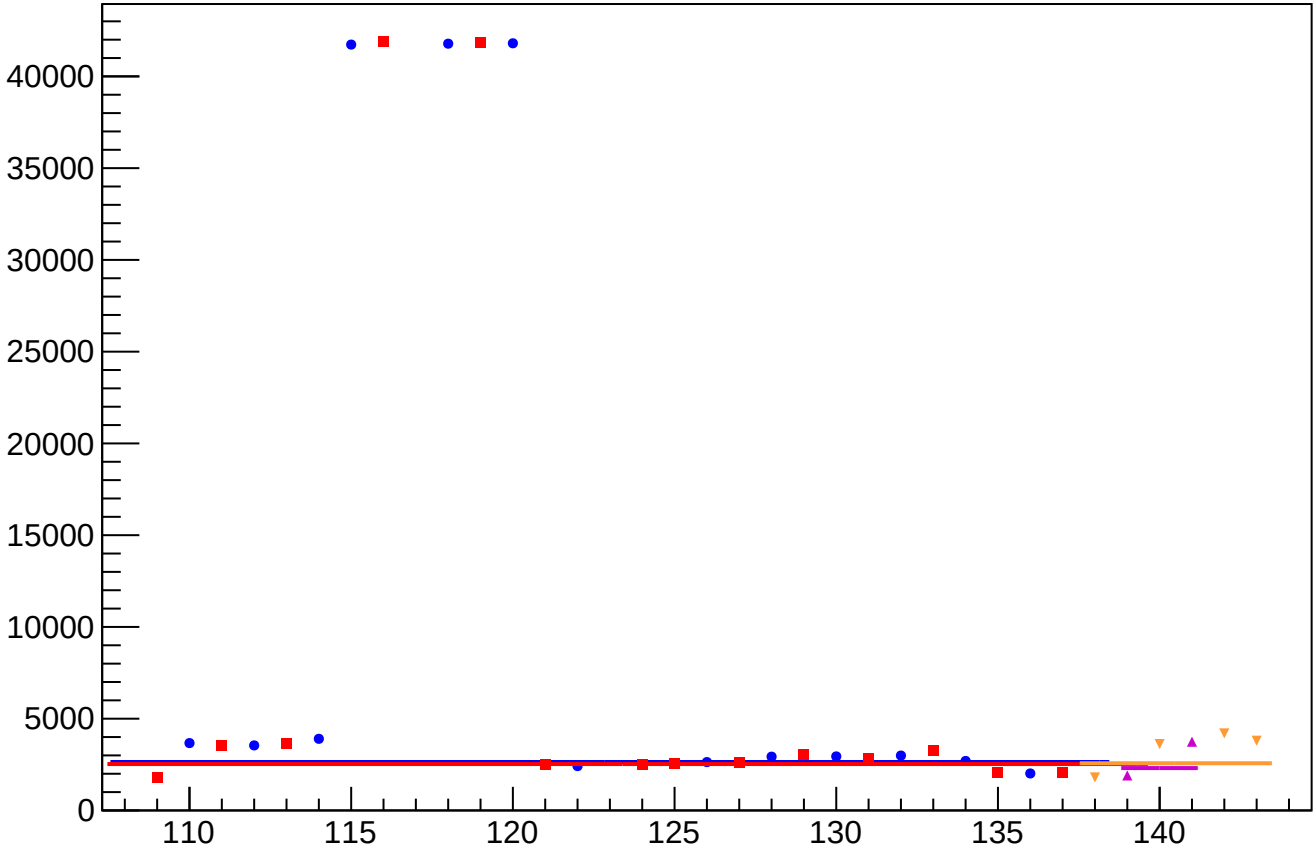
Left In: -2.132+/-1.869 χ^2/NDF:0.0/1

+ sign 1.146+/-0.993 χ^2/NDF: 30.2/16

All: -0.654+/-0.710 χ^2/NDF: 50.6/32

- sign -2.538+/-1.016 χ^2/NDF: 13.7/15

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2572.231+/-1.159 χ^2/NDF:710333.4/3

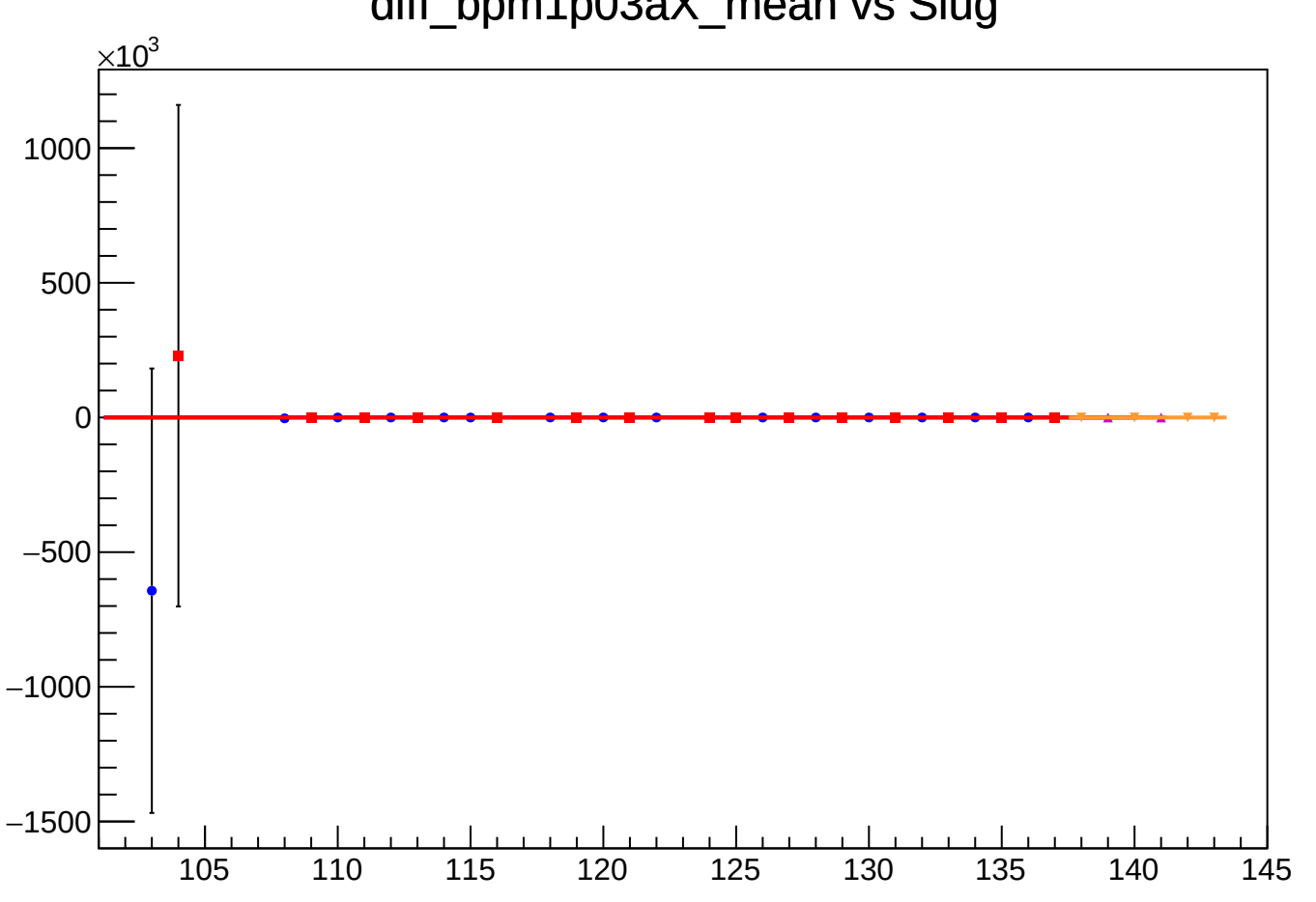
Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 2309.277+/-1.322 χ^2/NDF:330119.6/1

+ sign 2615.088+/-0.702 χ^2/NDF: 2885888.6/16

All: 2541.315+/-0.502 χ^2/NDF: 5207998.7/32

- sign 2464.059+/-0.719 χ^2/NDF: 2299517.0/15



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -0.367+/-0.850 χ^2/NDF:5.4/3

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

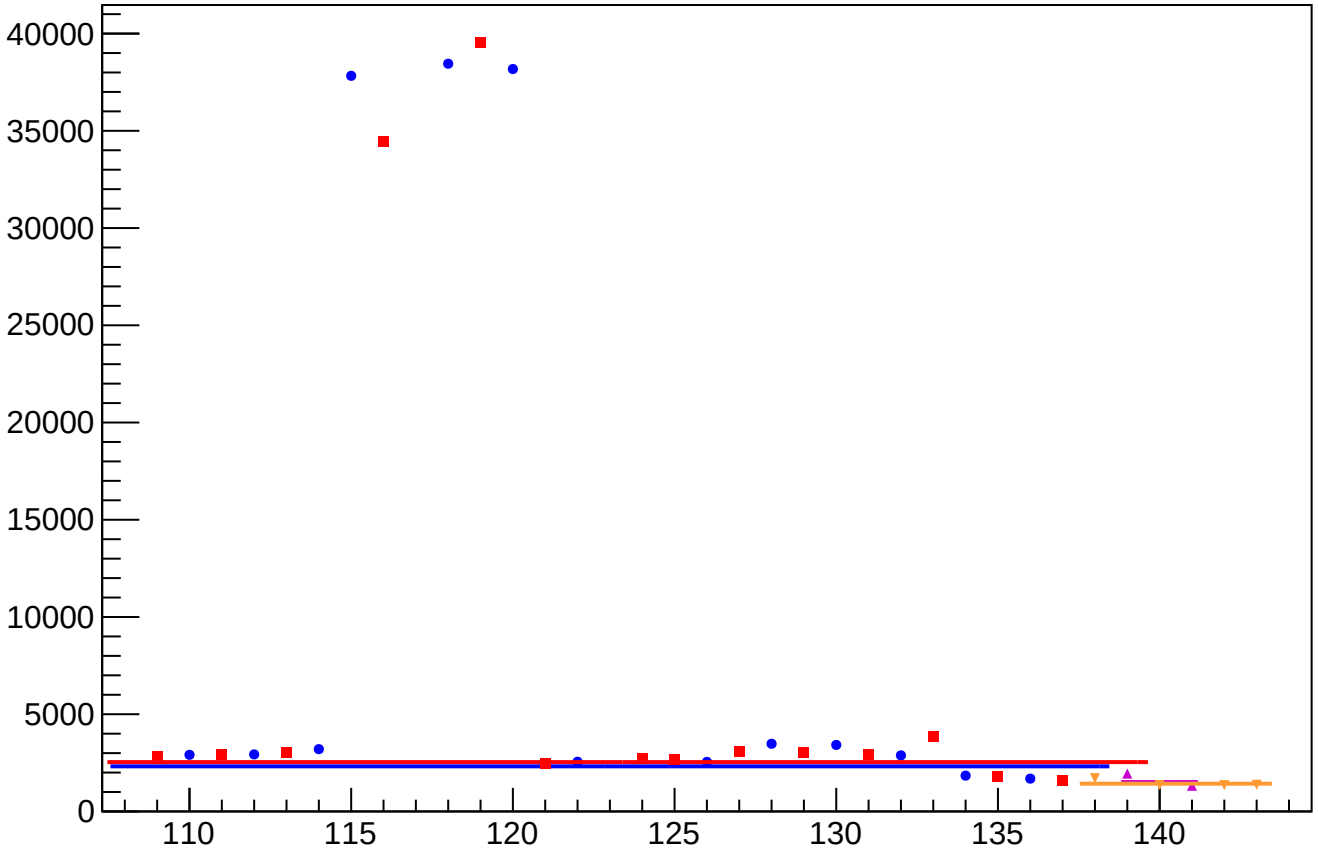
Left In: -1.242+/-1.173 χ^2/NDF:0.2/1

+ sign -0.675+/-0.678 χ^2/NDF: 24.5/18

All: -1.170+/-0.528 χ^2/NDF: 41.2/35

- sign -1.933+/-0.843 χ^2/NDF: 15.3/16

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1428.915+/-0.601 χ^2/NDF:51089.8/3

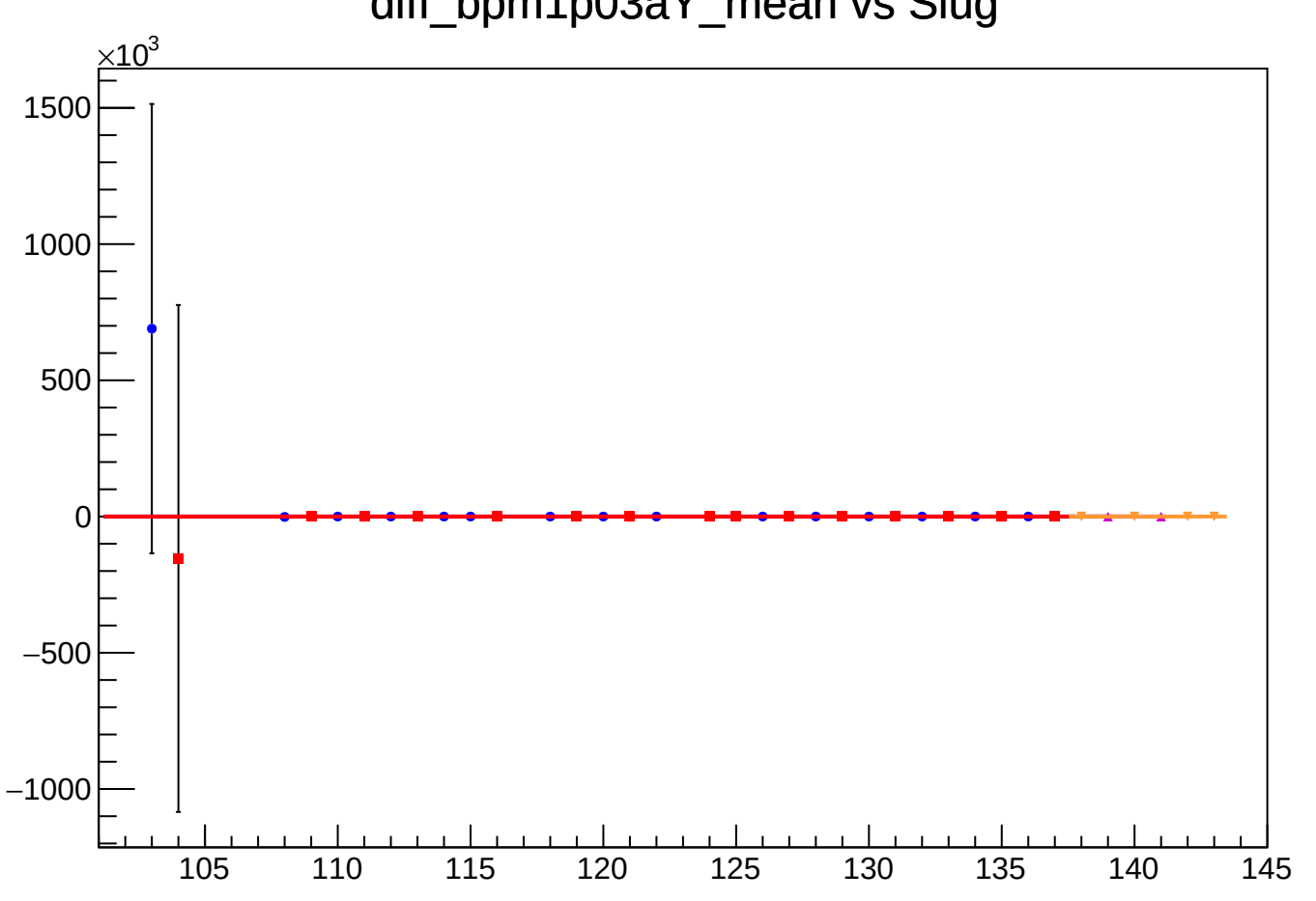
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1513.728+/-0.830 χ^2/NDF:121378.6/1

+ sign 1753.011+/-0.480 χ^2/NDF: 3311571.5/16

All: 1853.851+/-0.374 χ^2/NDF: 6320832.6/32

- sign 2009.419+/-0.596 χ^2/NDF: 2896919.2/15



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -2.247+/-1.172 χ^2/NDF:4.0/3

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

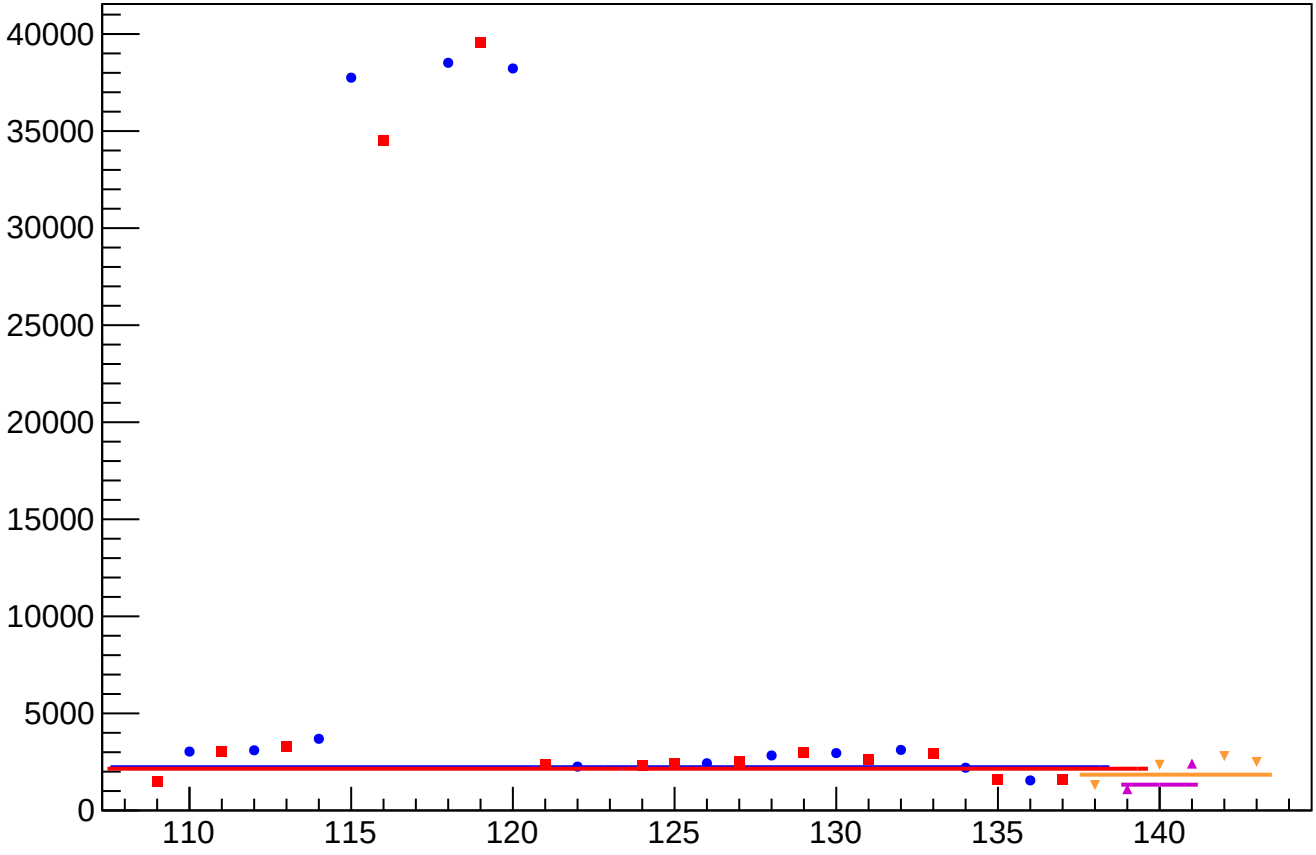
Left In: 0.191+/-1.085 χ^2/NDF:0.6/1

+ sign -0.101+/-0.793 χ^2/NDF: 15.2/18

All: -0.512+/-0.547 χ^2/NDF: 33.5/35

- sign -0.884+/-0.755 χ^2/NDF: 17.8/16

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1843.920+/-0.829 χ^2/NDF:515584.1/3

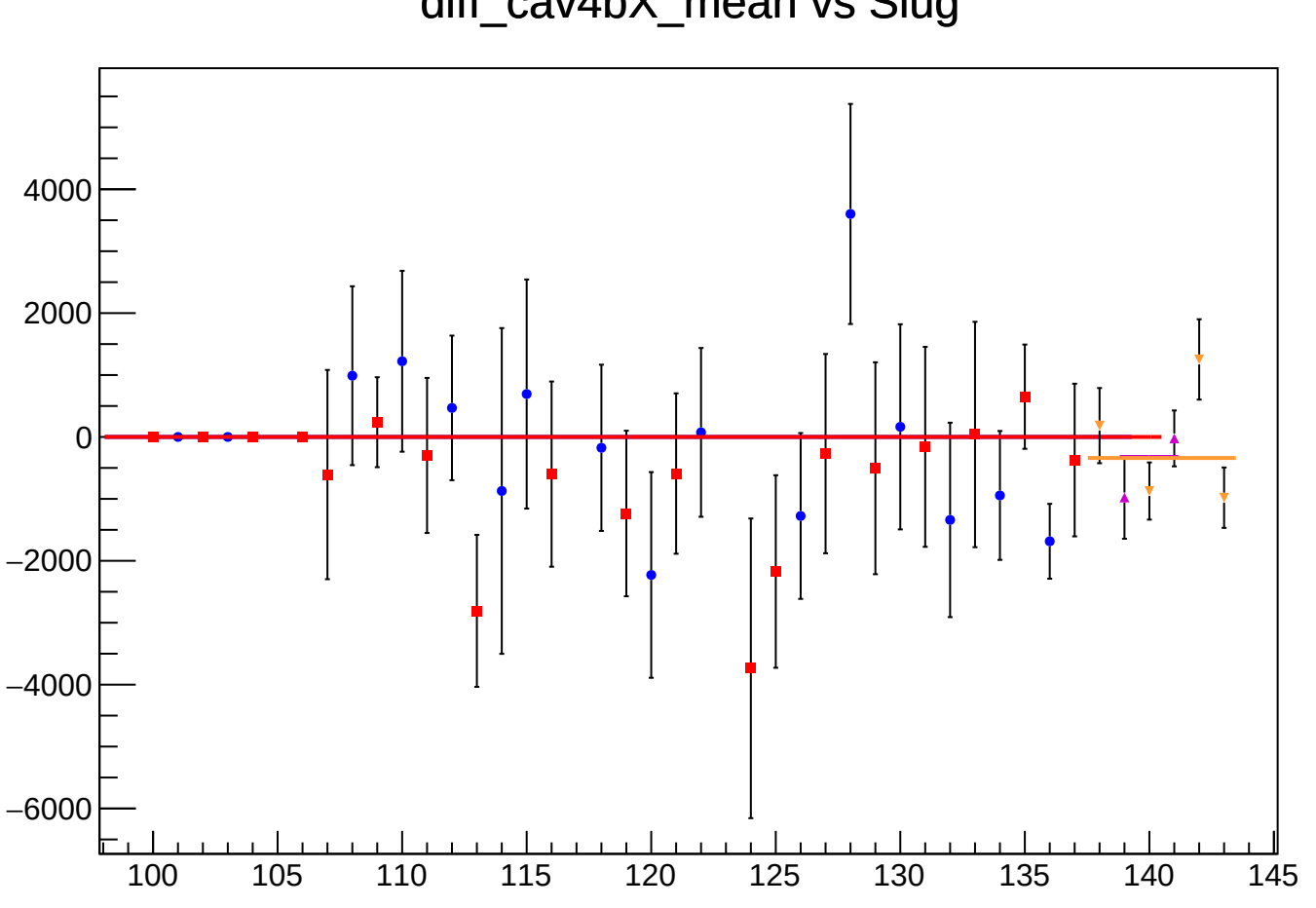
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1328.451+/-0.767 χ^2/NDF:423605.0/1

+ sign 2051.726+/-0.561 χ^2/NDF: 3153721.9/16

All: 1894.892+/-0.387 χ^2/NDF: 6550154.1/32

- sign 1752.564+/-0.534 χ^2/NDF: 3247148.5/15



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -339.505+/-267.416 χ^2/NDF:9.8/3

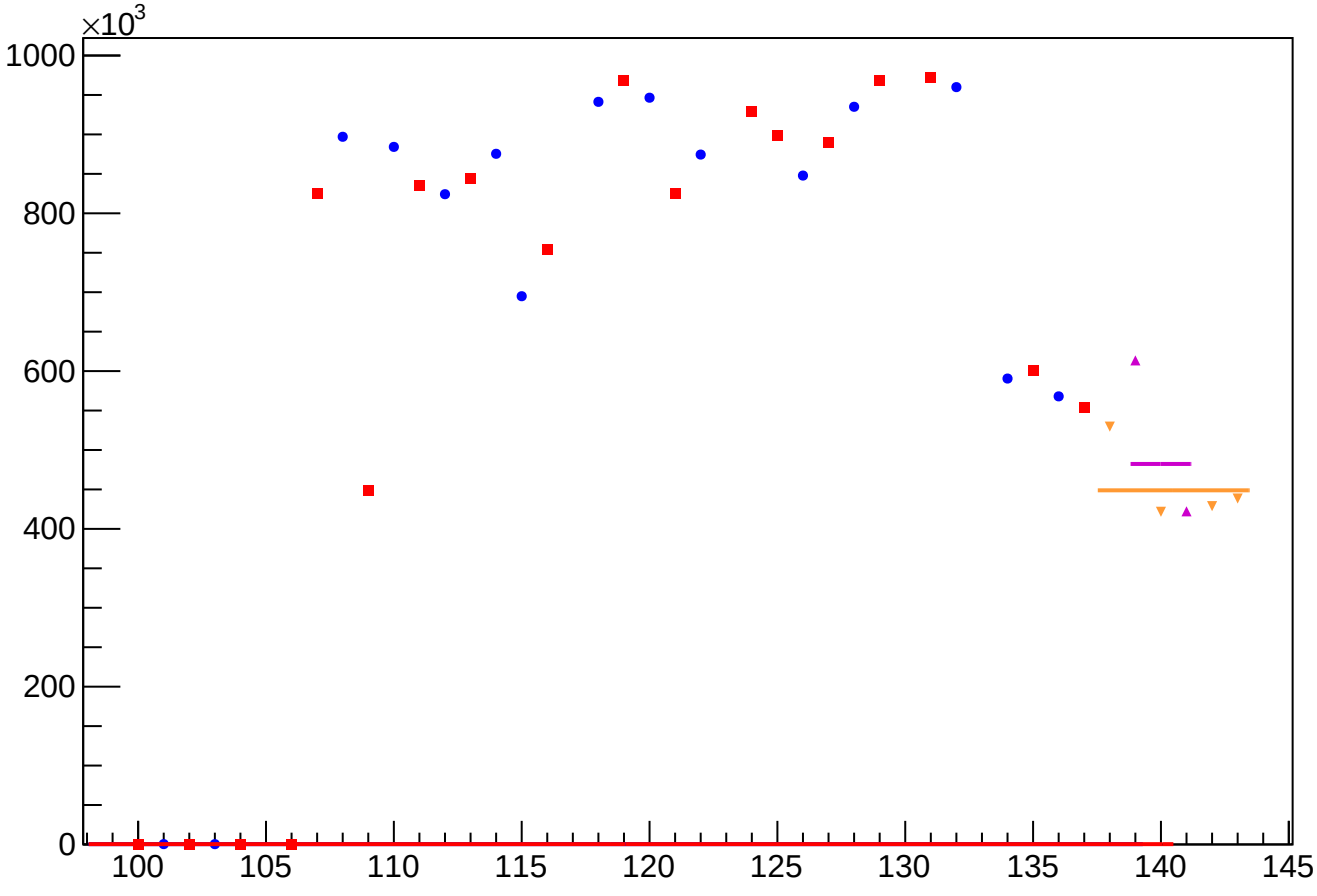
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -322.627+/-373.752 χ^2/NDF:1.4/1

+ sign 0.255+/-0.356 χ^2/NDF: 29.2/19

All: 0.169+/-0.241 χ^2/NDF: 46.9/40

- sign 0.096+/-0.328 χ^2/NDF: 17.6/20



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 448868.708+/-189.091 χ^2/NDF:45124.1/3

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

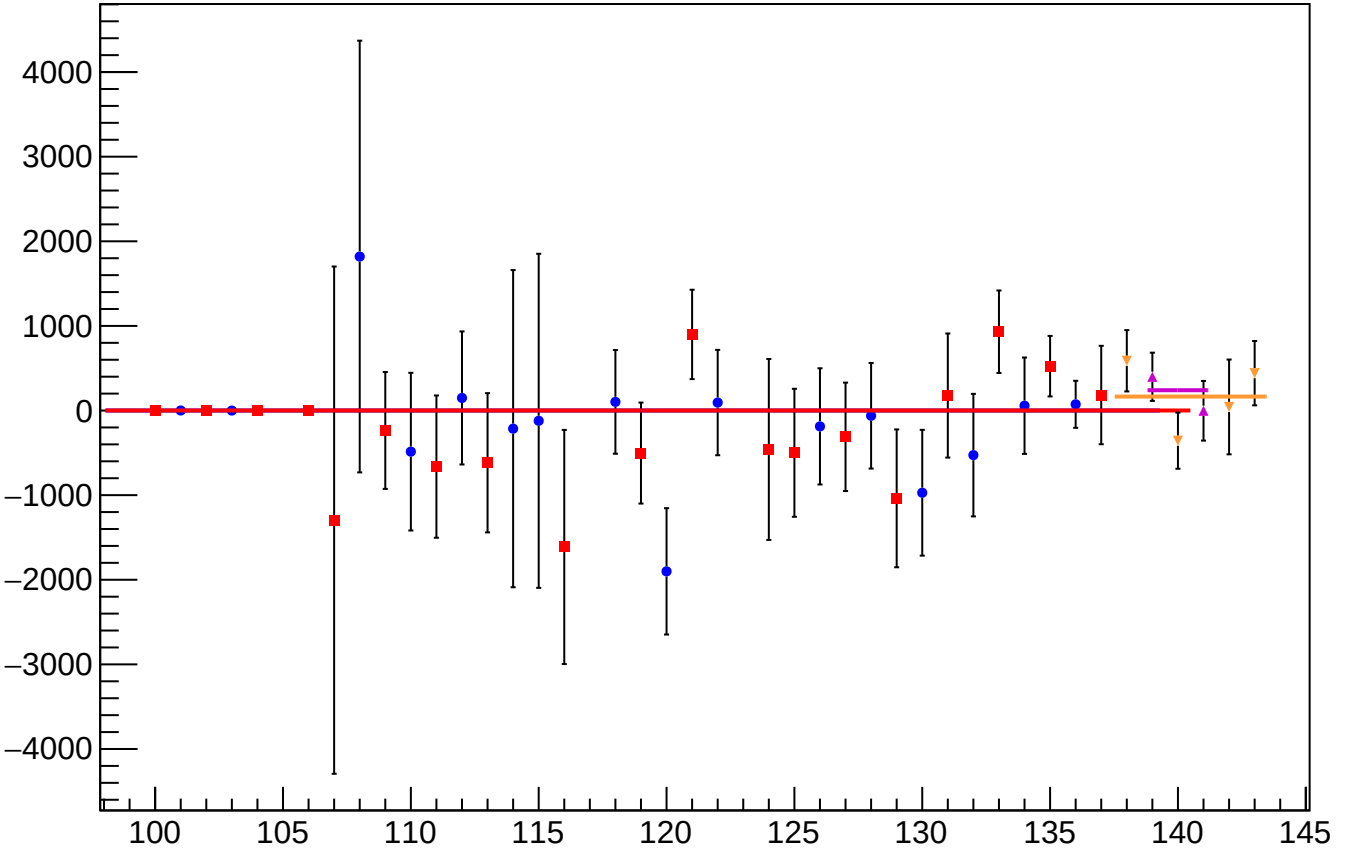
Left In: 482295.920+/-264.282 χ^2/NDF:112826.6/1

+ sign 399.674+/-0.251 χ^2/NDF: 14161944.4/18

All: 396.395+/-0.170 χ^2/NDF: 25248593.0/38

- sign 393.611+/-0.232 χ^2/NDF: 11086334.3/19

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 165.106+/-193.115 χ^2/NDF:4.4/3

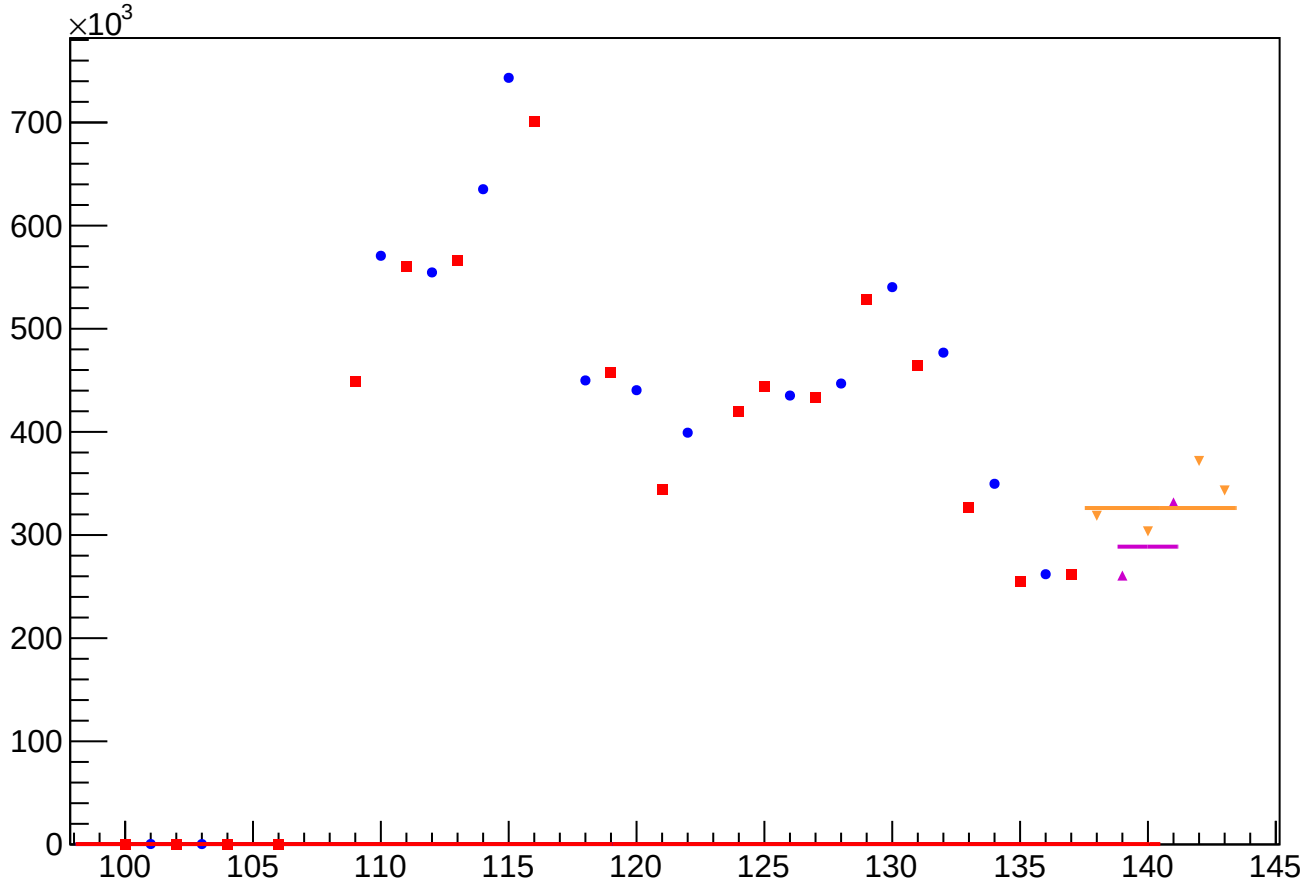
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 240.113+/-221.680 χ^2/NDF:0.8/1

+ sign -0.020+/-0.347 χ^2/NDF: 15.6/19

All: 0.311+/-0.237 χ^2/NDF: 34.3/40

- sign 0.599+/-0.324 χ^2/NDF: 17.0/20



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 326196.240+/-136.553 χ^2/NDF:27462.5/3

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

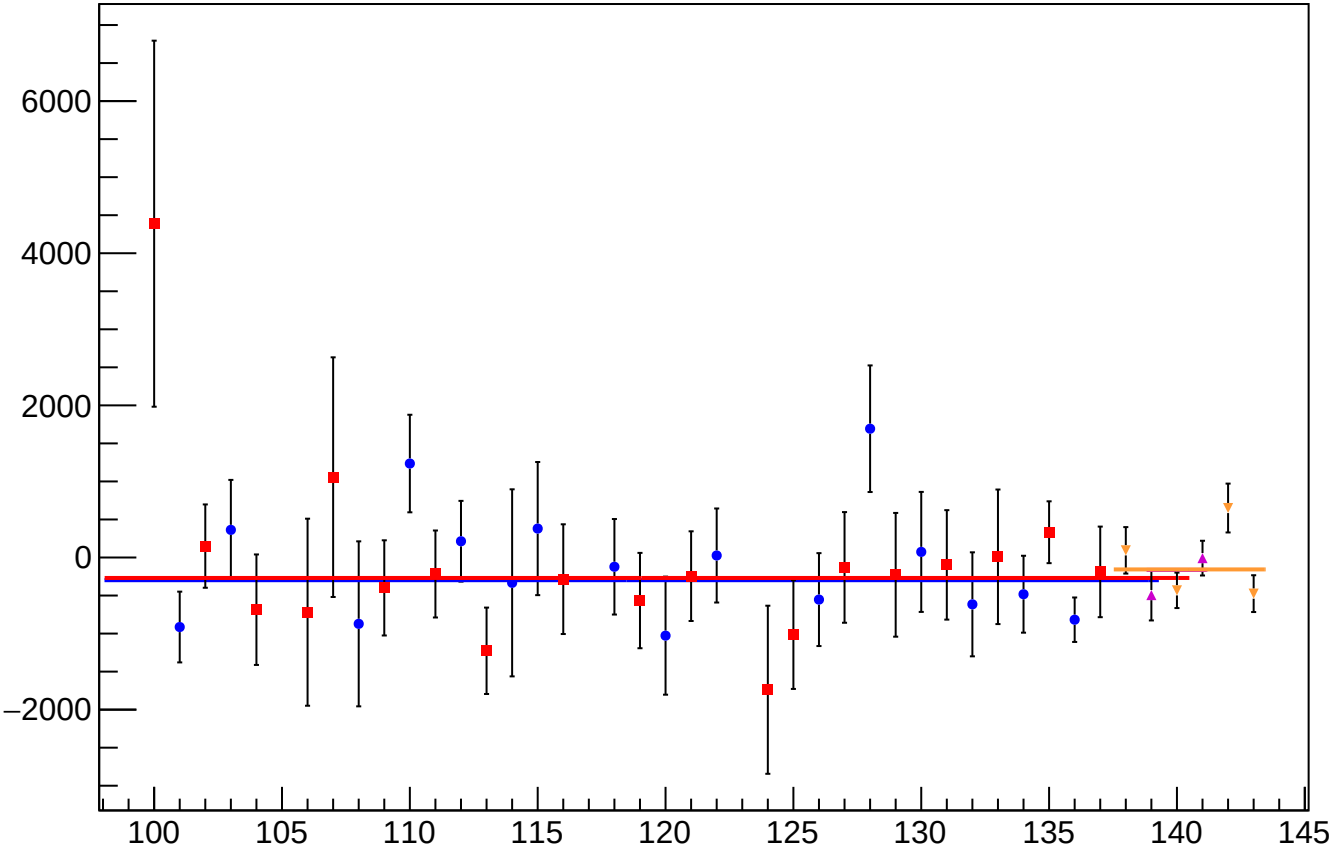
Left In: 288726.247+/-156.752 χ^2/NDF:48921.0/1

+ sign 391.328+/-0.245 χ^2/NDF: 16852328.2/18

All: 389.869+/-0.167 χ^2/NDF: 31359220.5/38

- sign 388.599+/-0.229 χ^2/NDF: 14506826.2/19

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -156.659+/-133.694 χ^2/NDF:10.1/3

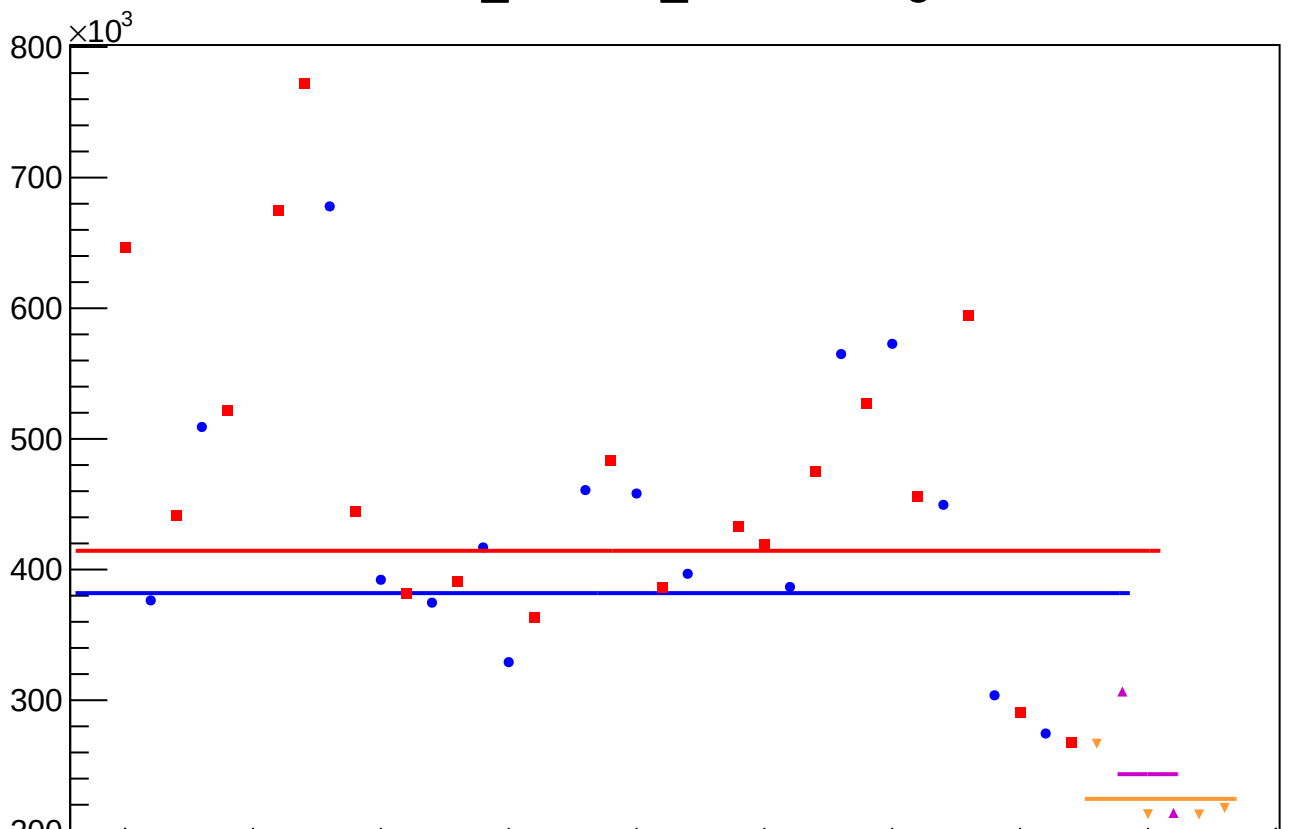
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -163.141+/-188.370 χ^2/NDF:1.4/1

+ sign -220.588+/-99.018 χ^2/NDF: 31.8/19

All: -222.642+/-76.480 χ^2/NDF: 47.3/40

- sign -225.679+/-120.413 χ^2/NDF: 15.5/20



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 224500.984+/-94.536 χ^2/NDF:47682.7/3

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

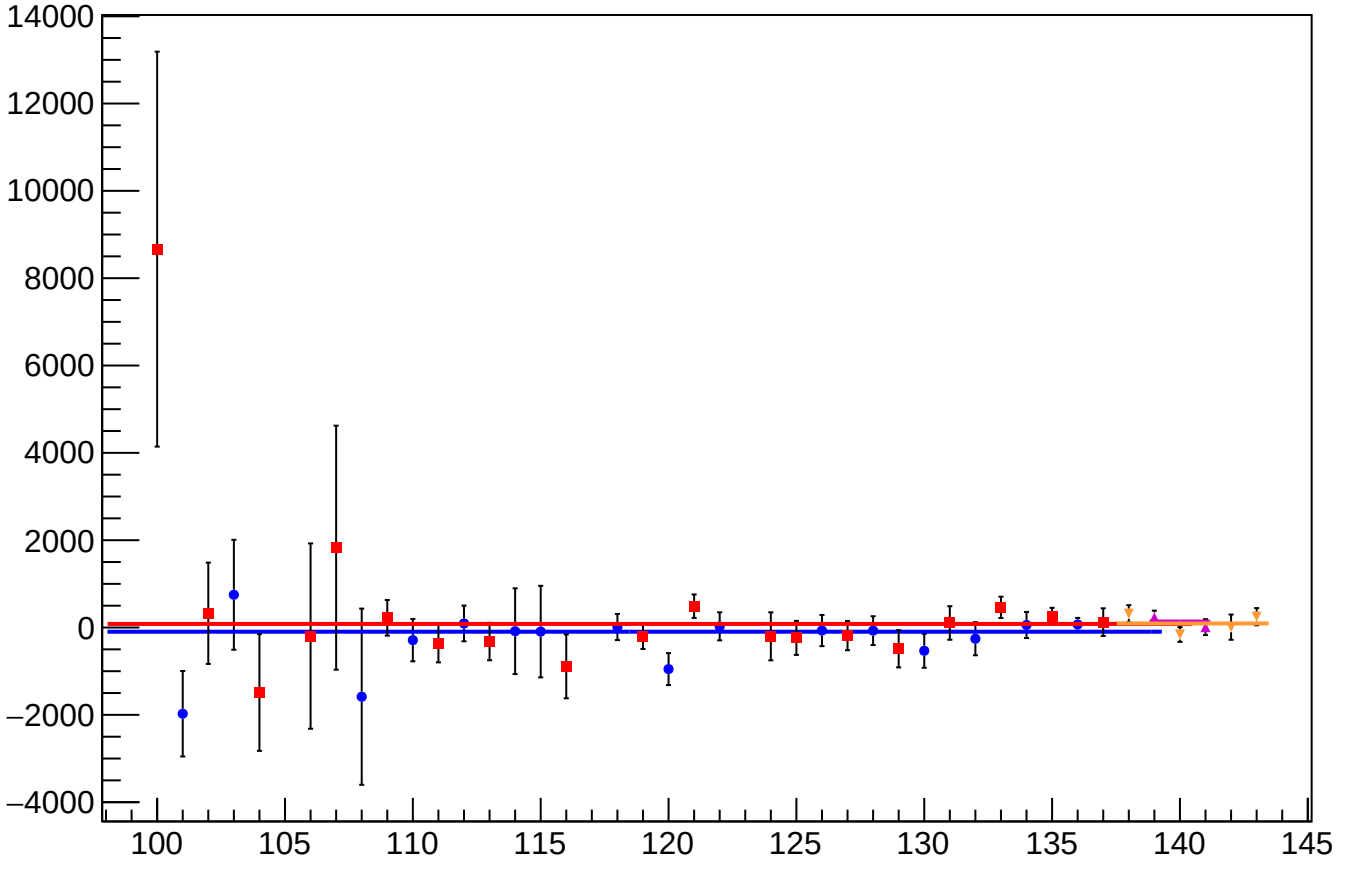
Left In: 243388.097+/-133.198 χ^2/NDF:105785.4/1

+ sign 295574.493+/-70.022 χ^2/NDF: 2136353.9/19

All: 315304.635+/-54.086 χ^2/NDF: 4173410.

- sign 344486.332+/-85.158 χ^2/NDF: 1840233.3/20

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 93.188+/-100.704 χ^2/NDF:4.2/3

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

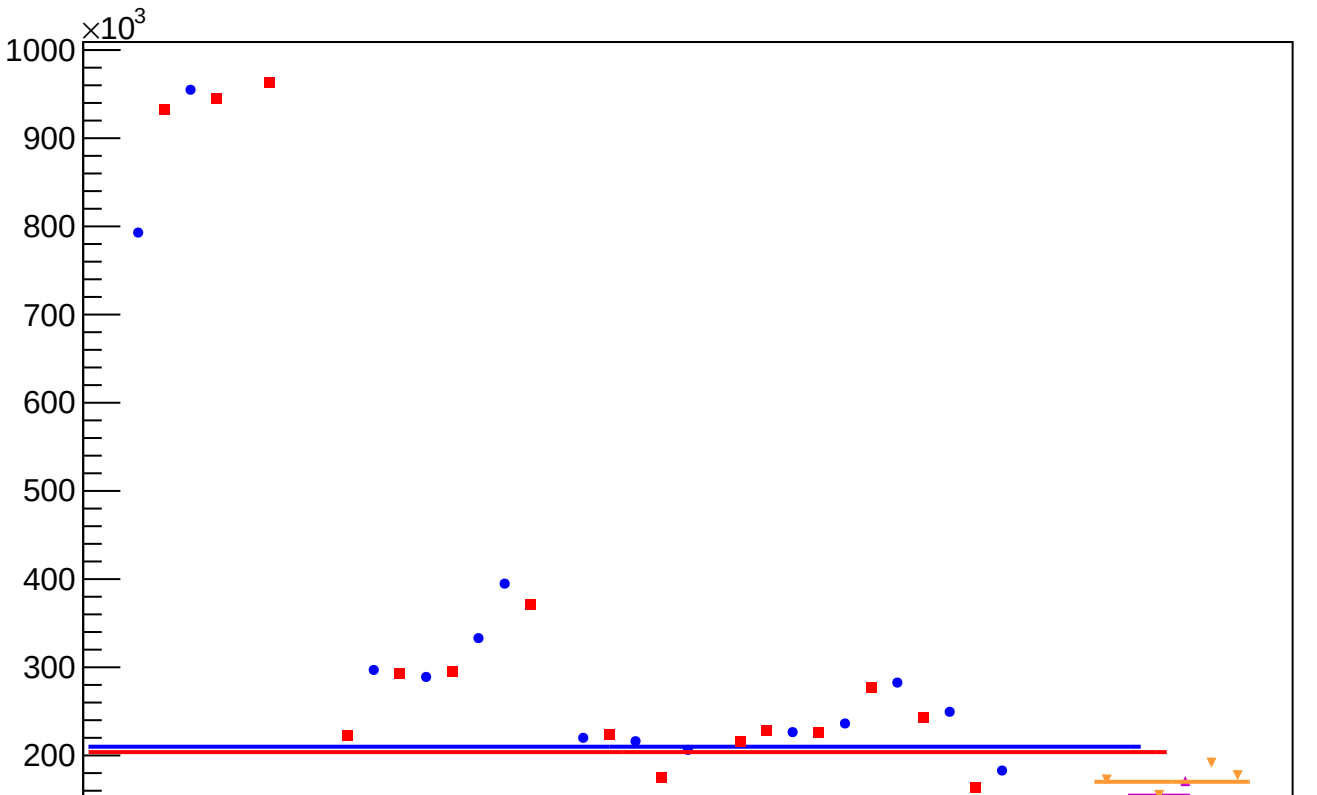
Left In: 137.152+/-118.292 χ^2/NDF:0.9/1

+ sign -13.720+/-66.378 χ^2/NDF: 19.9/19

All: 40.833+/-48.247 χ^2/NDF: 41.4/40

- sign 101.937+/-70.250 χ^2/NDF: 20.1/20

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 170155.923+/-71.209 χ^2/NDF:29952.8/3

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

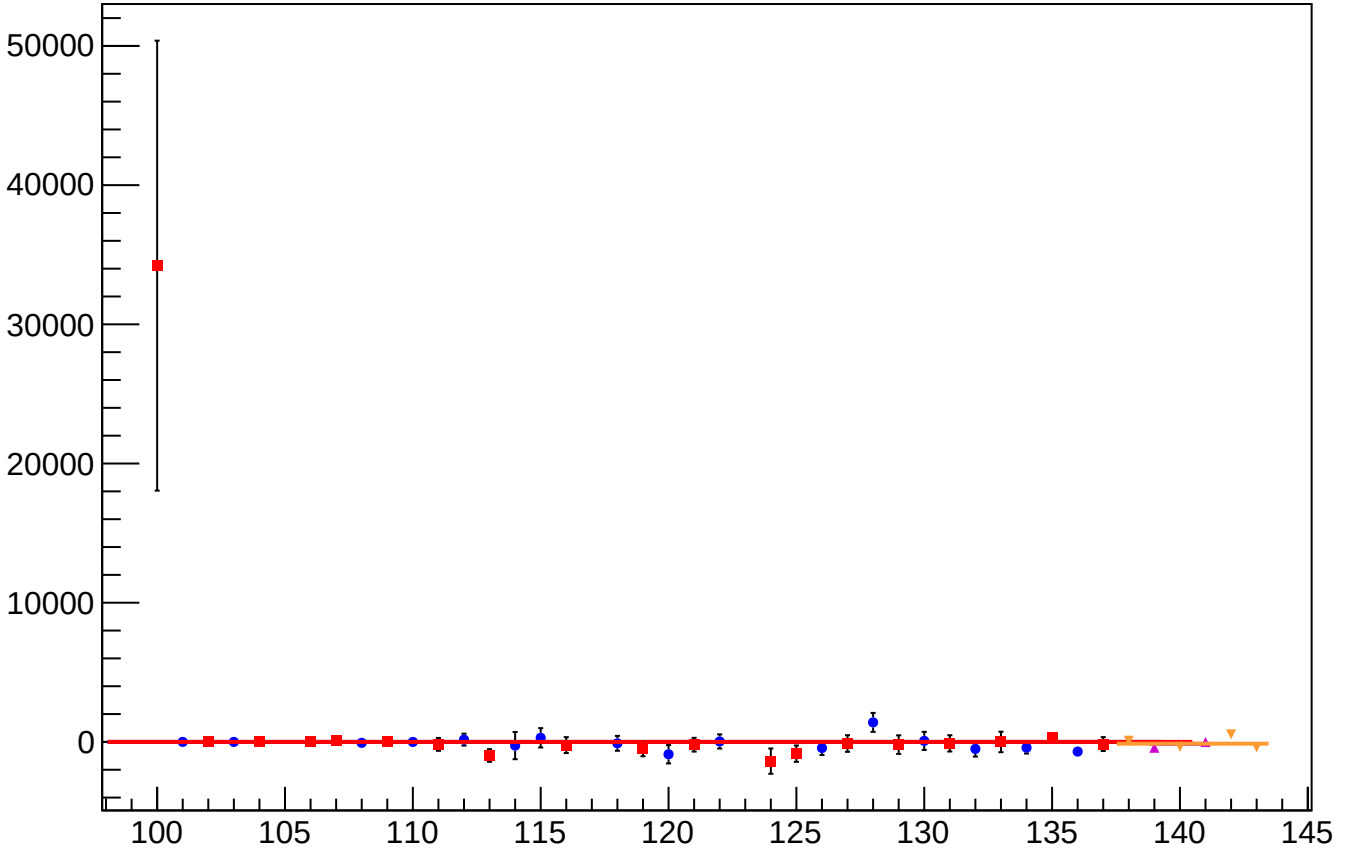
Left In: 154430.987+/-83.645 χ^2/NDF:28737.4/1

+ sign 192615.047+/-46.983 χ^2/NDF: 2166013.8/18

All: 189651.487+/-34.160 χ^2/NDF: 4498714.

- sign 186327.984+/-49.754 χ^2/NDF: 2324260.1/18

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -127.211+/-111.268 χ^2/NDF:10.2/3

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

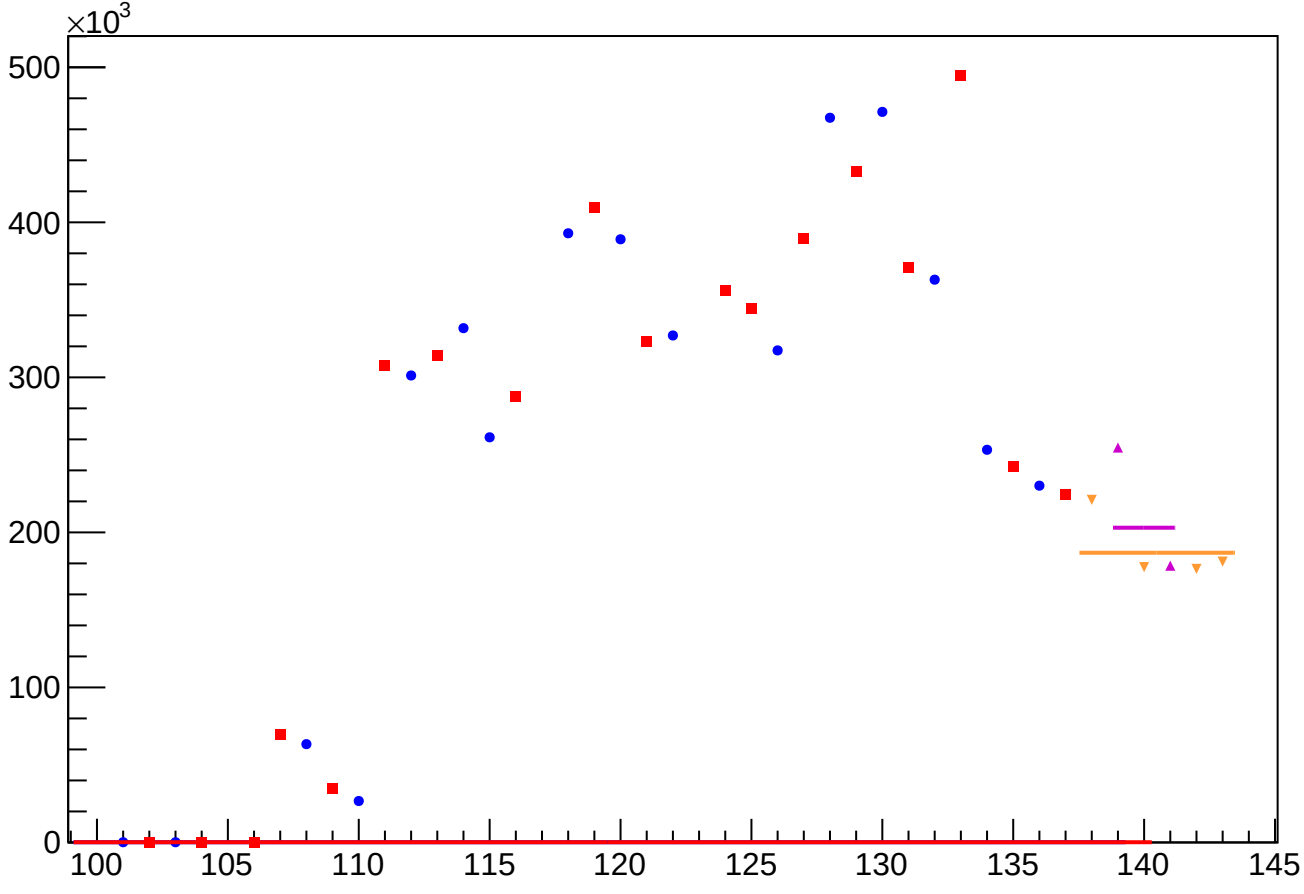
Left In: -139.421+/-157.053 χ^2/NDF:1.5/1

+ sign -0.035+/-0.172 χ^2/NDF: 29.6/19

All: -0.207+/-0.117 χ^2/NDF: 50.2/40

- sign -0.355+/-0.160 χ^2/NDF: 18.8/20

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 186874.629+/-78.678 χ^2/NDF:45526.9/3

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

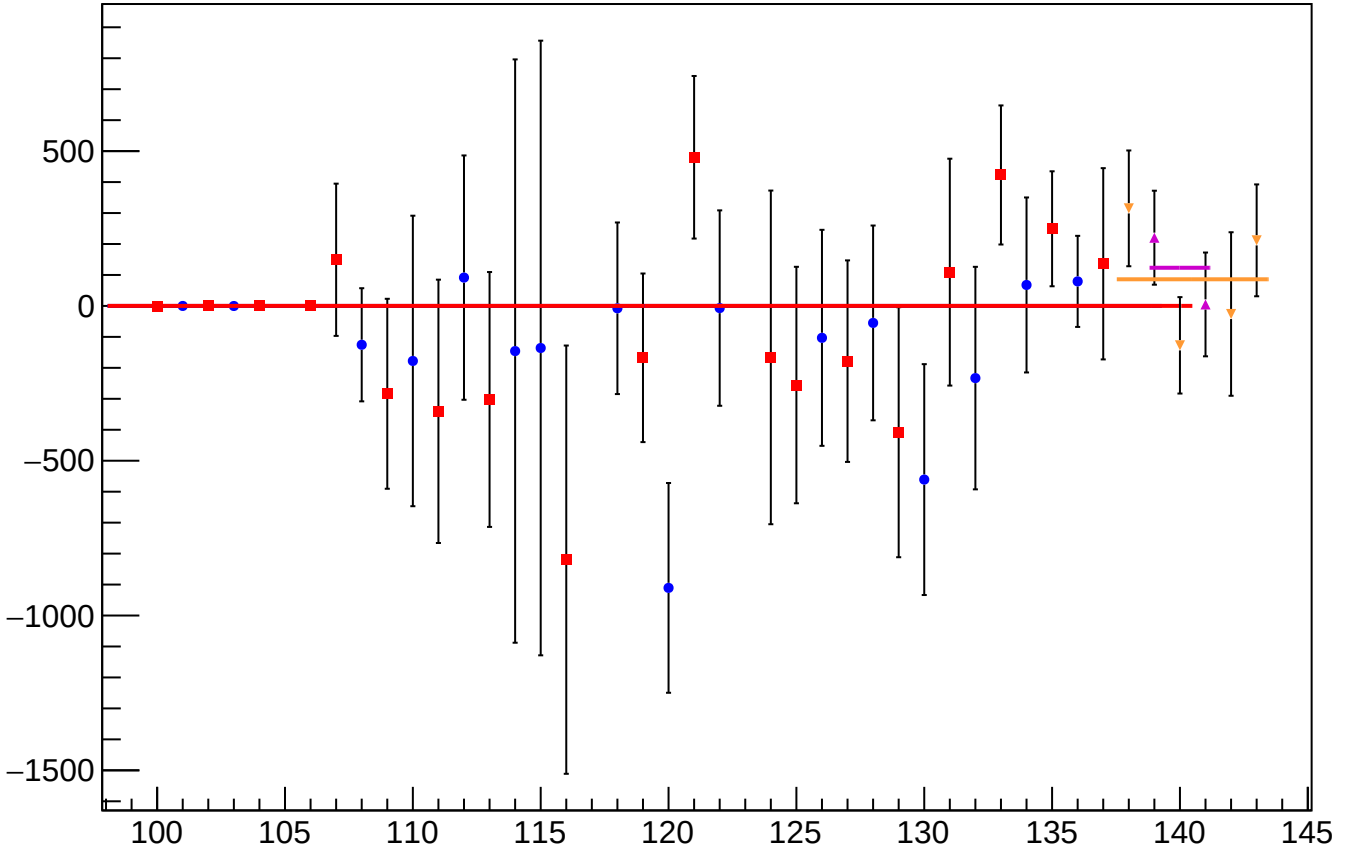
Left In: 203020.693+/-111.053 χ^2/NDF:102757.8/1

\+ sign 149.540+/-0.122 χ^2/NDF: 16979931.4/19

All: 149.566+/-0.083 χ^2/NDF: 31708567.0/39

\- sign 149.590+/-0.113 χ^2/NDF: 14728635.6/19

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 86.030+/-93.318 χ^2/NDF:4.0/3

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

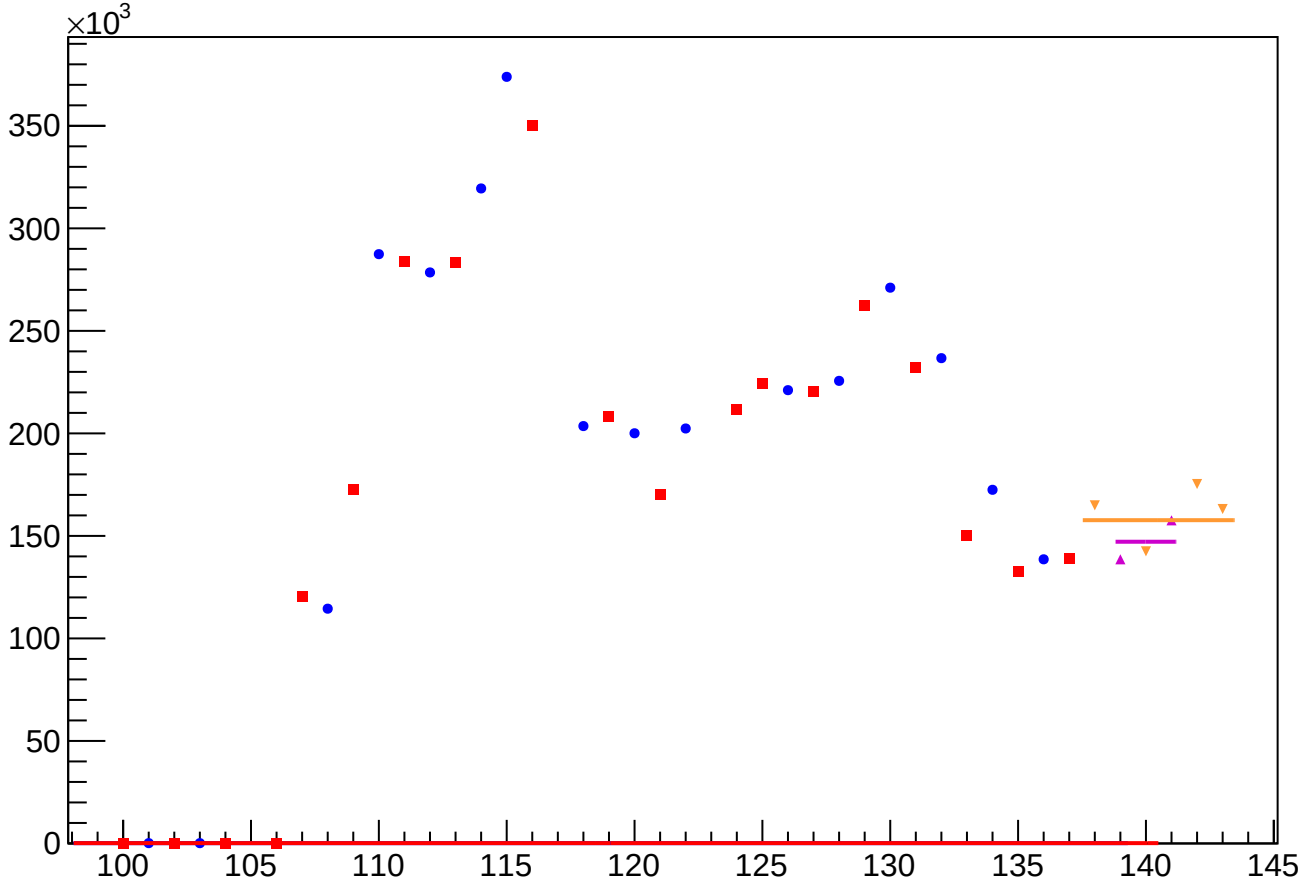
Left In: 123.249+/-112.507 χ^2/NDF:0.9/1

+ sign -0.068+/-0.177 χ^2/NDF: 16.1/19

All: 0.035+/-0.121 χ^2/NDF: 34.1/40

- sign 0.126+/-0.166 χ^2/NDF: 17.3/20

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 157669.763+/-65.986 χ^2/NDF:32779.8/3

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

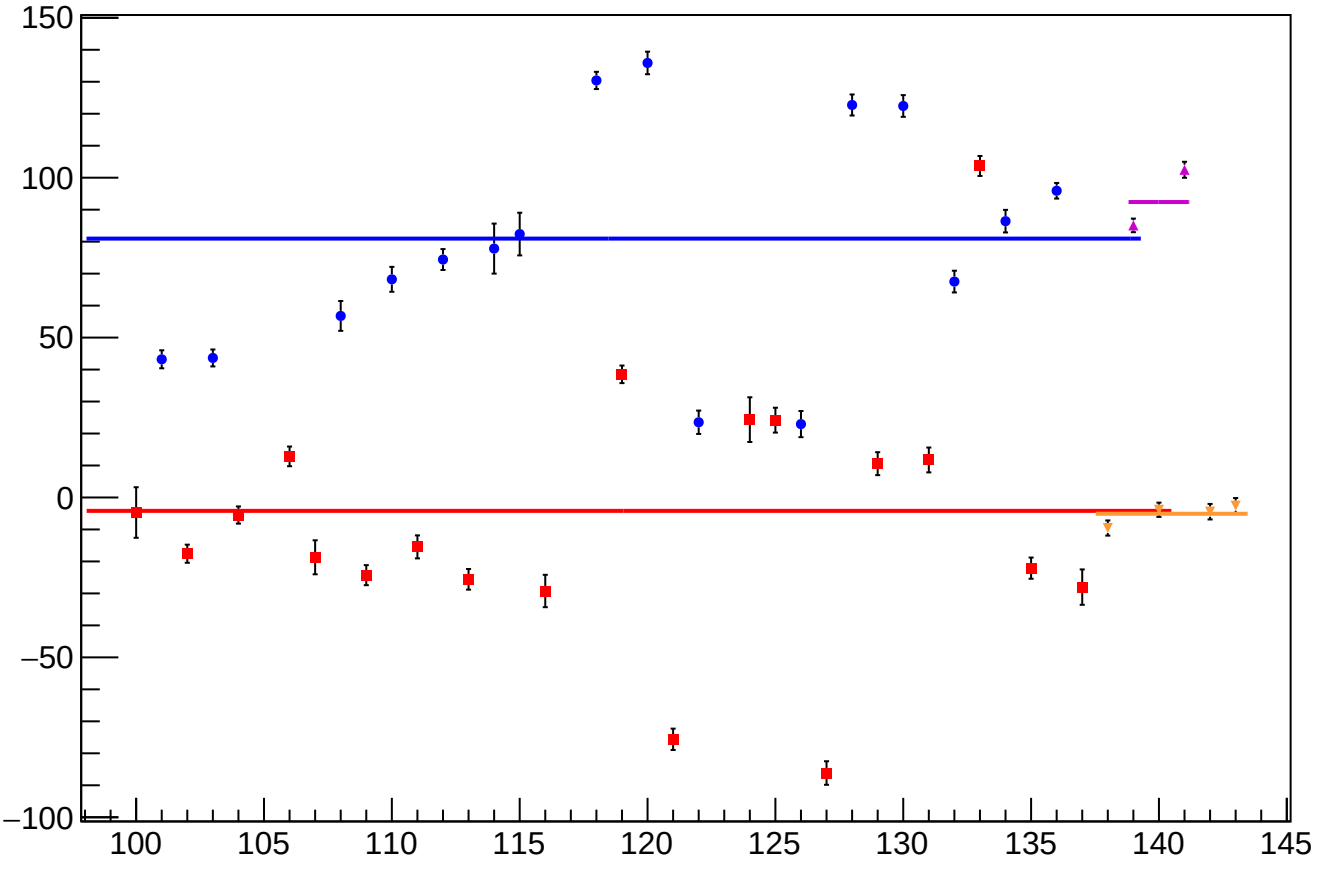
Left In: 147153.862+/-79.555 χ^2/NDF:14126.6/1

+ sign 154.028+/-0.125 χ^2/NDF: 17636087.0/19

All: 155.330+/-0.086 χ^2/NDF: 32395515.6/40

- sign 156.479+/-0.118 χ^2/NDF: 14759225.3/20

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -5.086+/-1.177 χ^2/NDF:5.0/3

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

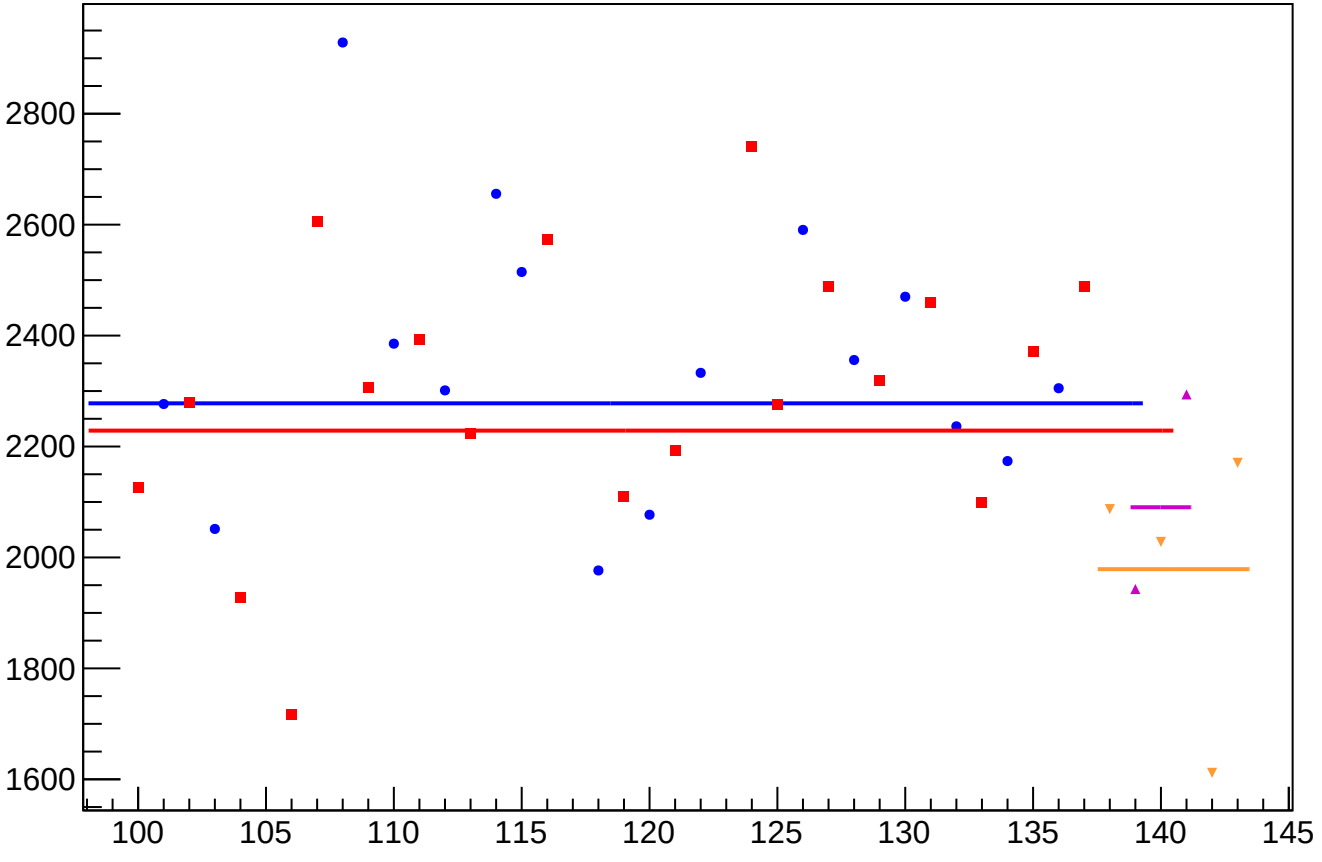
Left In: 92.391+/-1.621 χ^2/NDF:28.0/1

+ sign 51.412+/-0.690 χ^2/NDF: 5325.1/19

All: 34.511+/-0.502 χ^2/NDF: 12174.0/40

- sign 15.499+/-0.732 χ^2/NDF: 5573.8/20

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1978.885+/-0.833 χ^2/NDF:63574.5/3

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

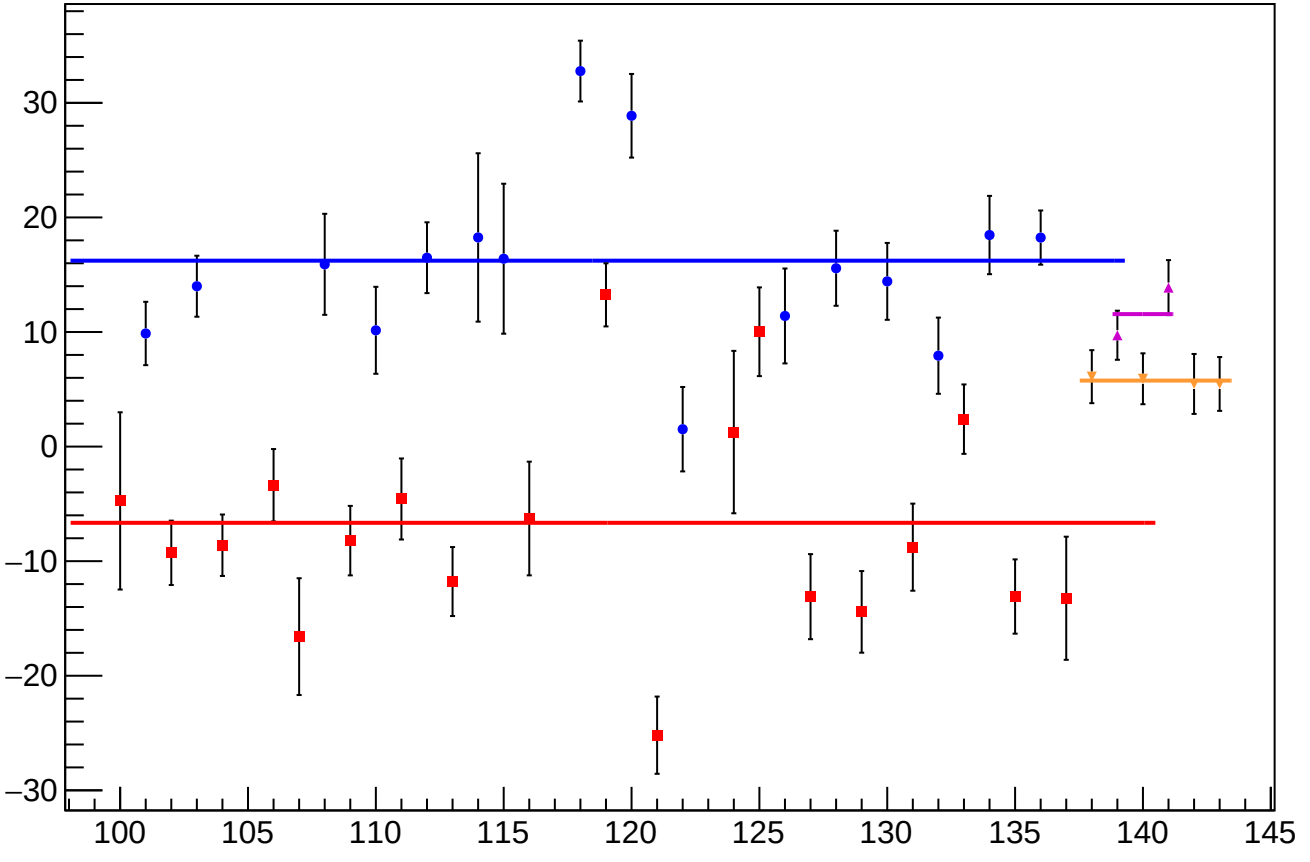
Left In: 2090.524+/-1.146 χ^2/NDF:22830.3/1

\+ sign 2175.209+/-0.488 χ^2/NDF: 264018.8/19

All: 2187.126+/-0.355 χ^2/NDF: 450821.3/40

\- sign 2200.531+/-0.517 χ^2/NDF: 185534.8/20

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.761+/-1.181 χ^2/NDF:0.1/3

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

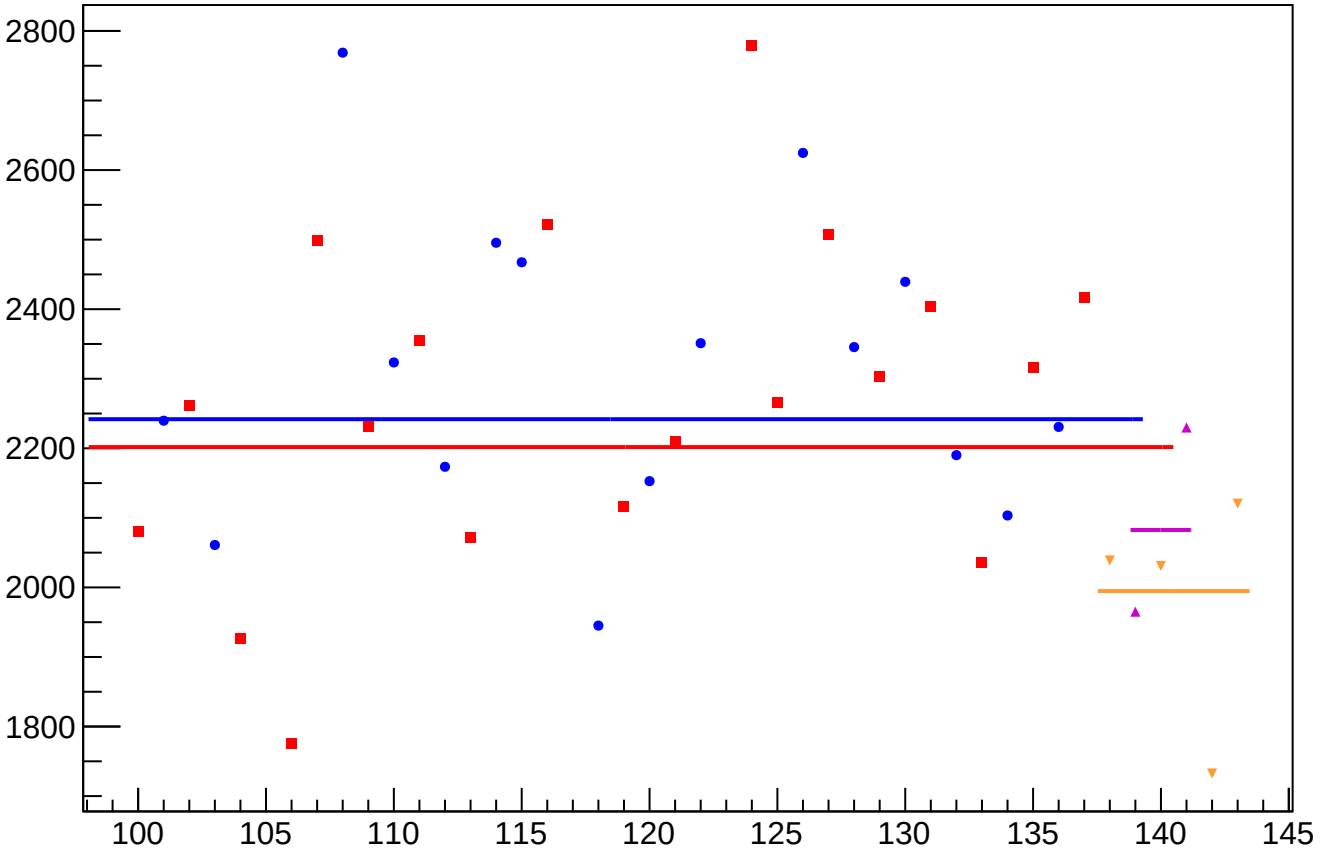
Left In: 11.563+/-1.598 χ^2/NDF:1.7/1

\+ sign 12.724+/-0.683 χ^2/NDF: 136.8/19

All: 5.326+/-0.496 χ^2/NDF: 624.6/40

\- sign -2.935+/-0.722 χ^2/NDF: 239.6/20

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 1994.718+/-0.835 χ^2/NDF:27069.7/3

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

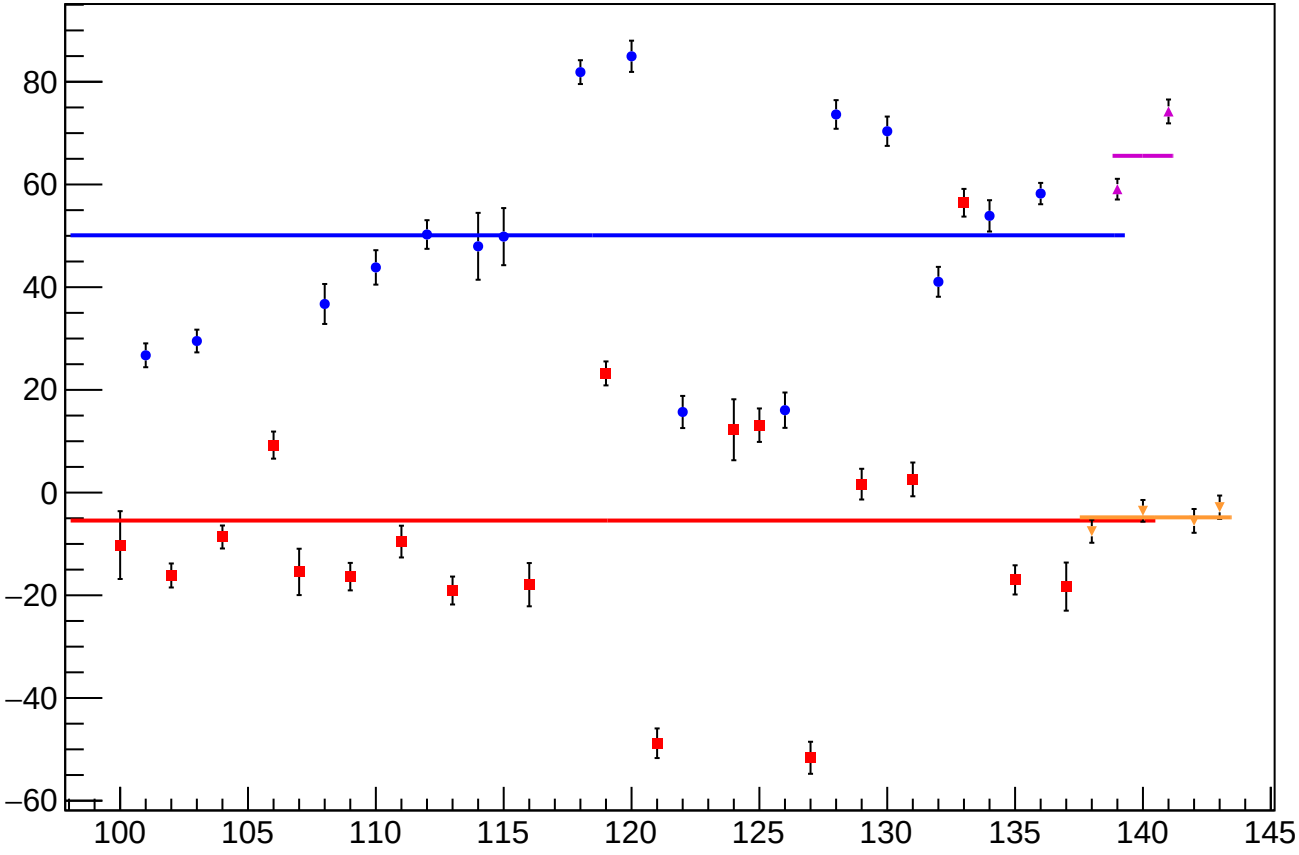
Left In: 2082.612+/-1.130 χ^2/NDF:13546.0/1

+ sign 2159.155+/-0.483 χ^2/NDF: 187592.2/19

All: 2167.789+/-0.351 χ^2/NDF: 340539.1/40

- sign 2177.431+/-0.511 χ^2/NDF: 152270.9/20

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -4.824+/-1.116 χ^2/NDF:2.7/3

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

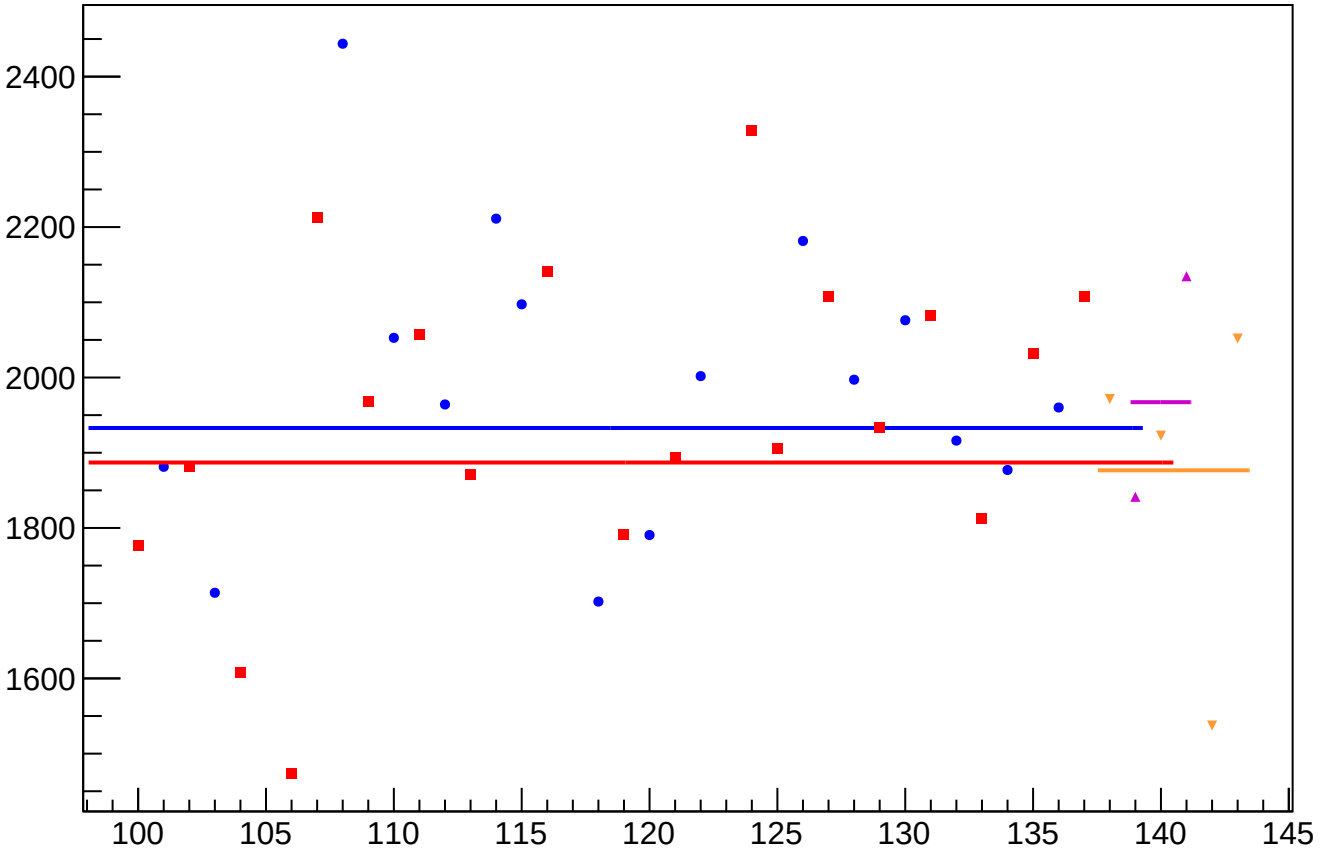
Left In: 65.580+/-1.523 χ^2/NDF:24.2/1

+ sign 33.890+/-0.606 χ^2/NDF: 2598.8/19

All: 20.892+/-0.437 χ^2/NDF: 6694.4/40

- sign 6.780+/-0.632 χ^2/NDF: 3136.9/20

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1876.640+/-0.789 χ^2/NDF:59230.0/3

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

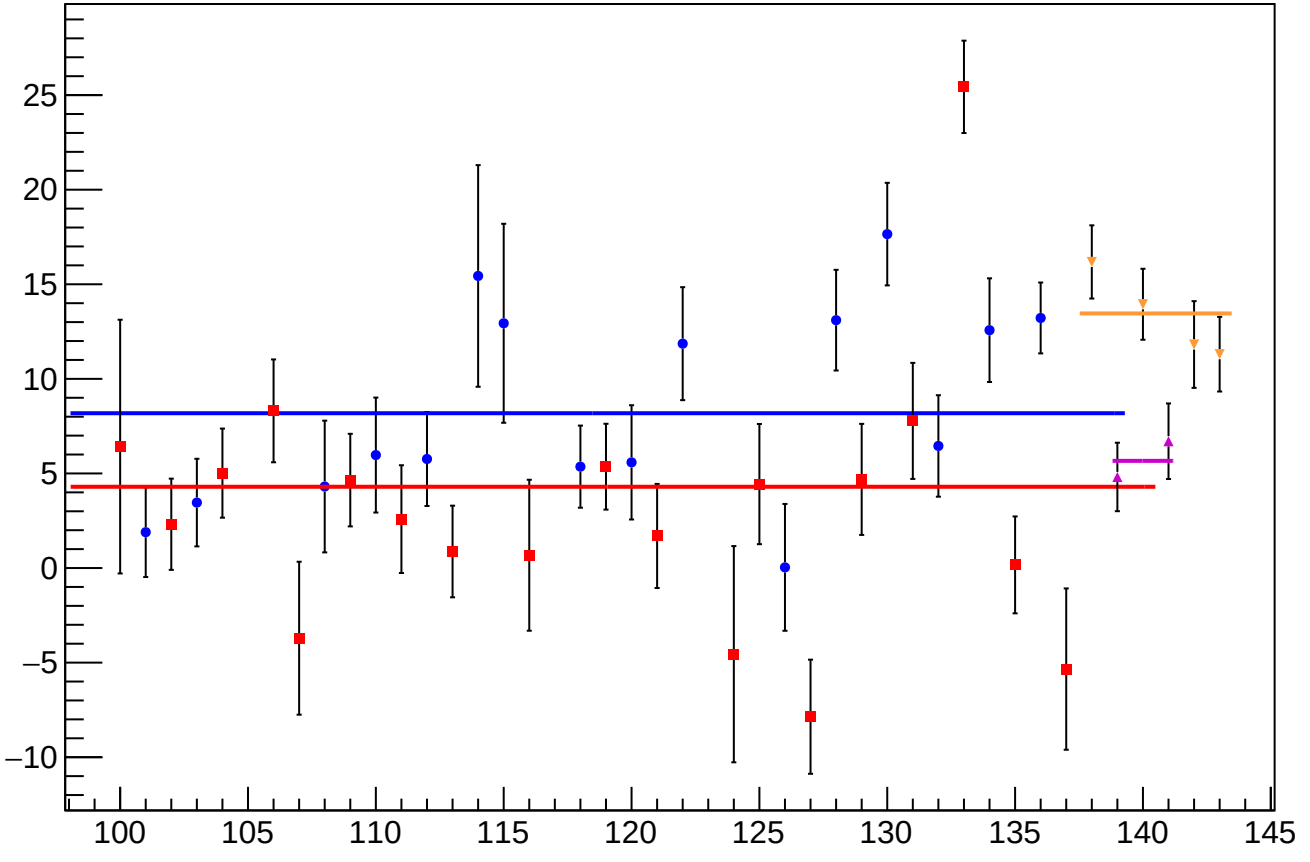
Left In: 1967.237+/-1.077 χ^2/NDF:18156.8/1

+ sign 1916.297+/-0.429 χ^2/NDF: 168781.2/19

All: 1908.874+/-0.309 χ^2/NDF: 341906.8/40

- sign 1900.814+/-0.447 χ^2/NDF: 172500.2/20

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.458+/-1.001 χ^2/NDF:3.8/3

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

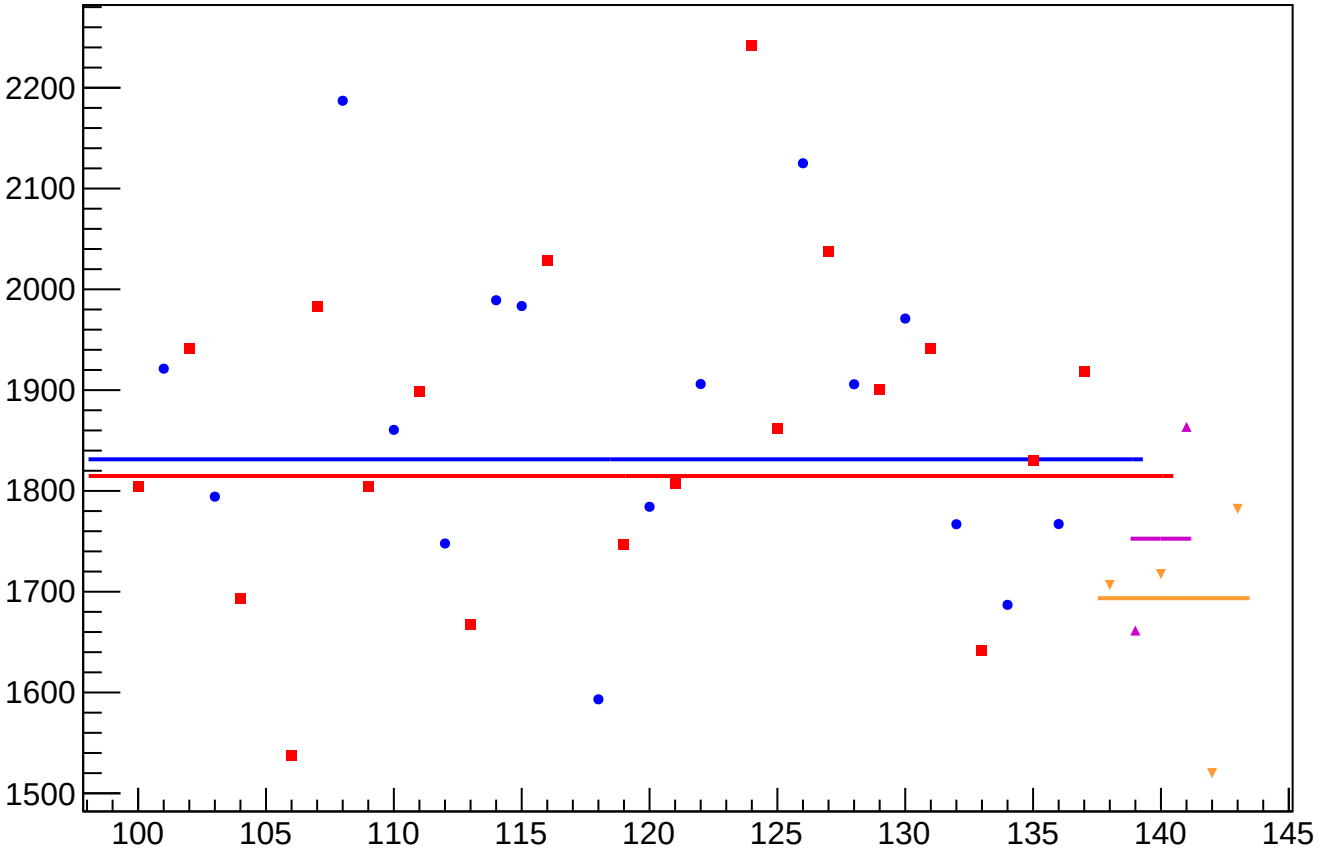
Left In: 5.666+/-1.341 χ^2/NDF:0.5/1

+ sign 9.861+/-0.564 χ^2/NDF: 74.6/19

All: 7.358+/-0.410 χ^2/NDF: 231.5/40

- sign 4.567+/-0.596 χ^2/NDF: 115.3/20

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1693.575+/-0.708 χ^2/NDF:15924.3/3

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

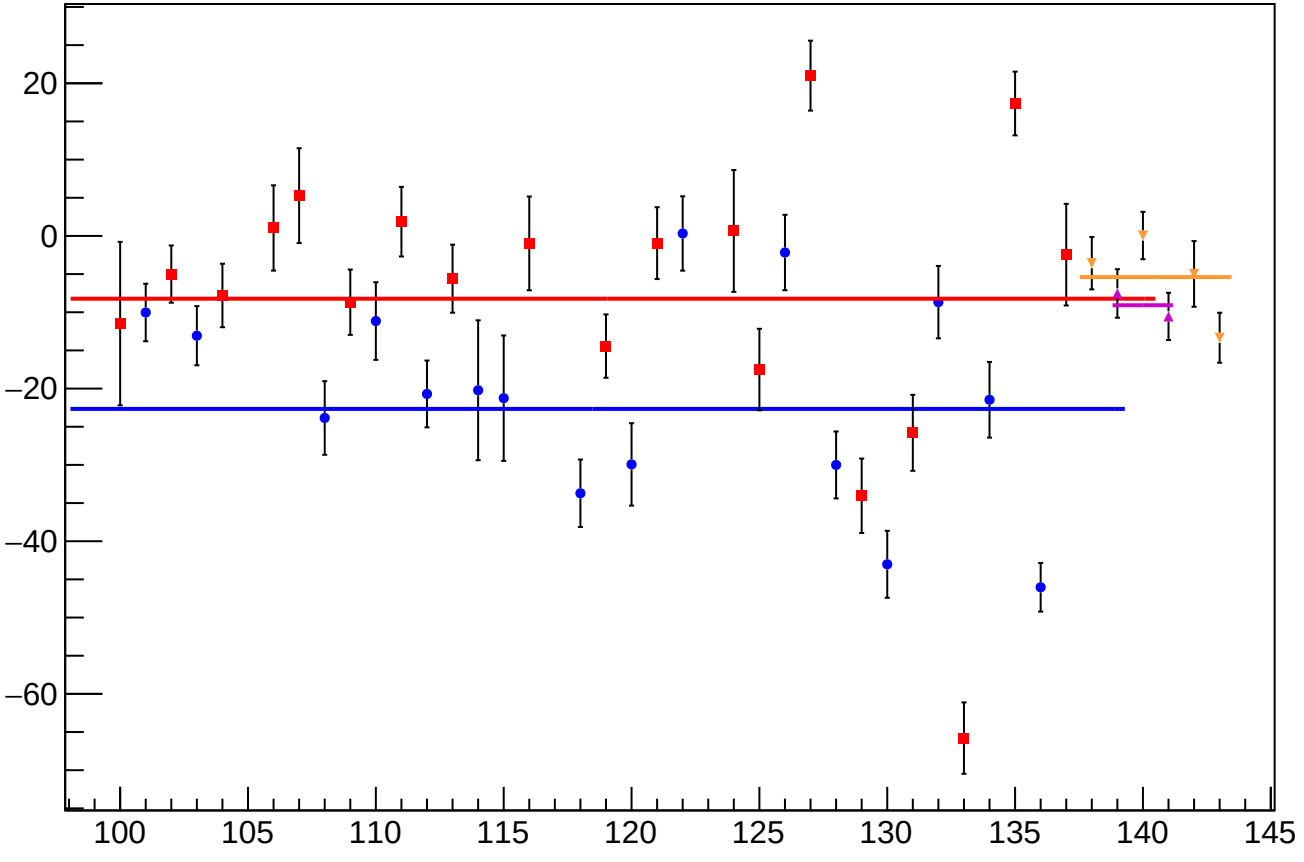
Left In: 1752.605+/-0.948 χ^2/NDF:11243.2/1

+ sign 1787.530+/-0.399 χ^2/NDF: 128691.9/19

All: 1794.602+/-0.290 χ^2/NDF: 234787.4/40

- sign 1802.487+/-0.421 χ^2/NDF: 105431.6/20

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -5.391+/-1.726 χ^2/NDF:9.2/3

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

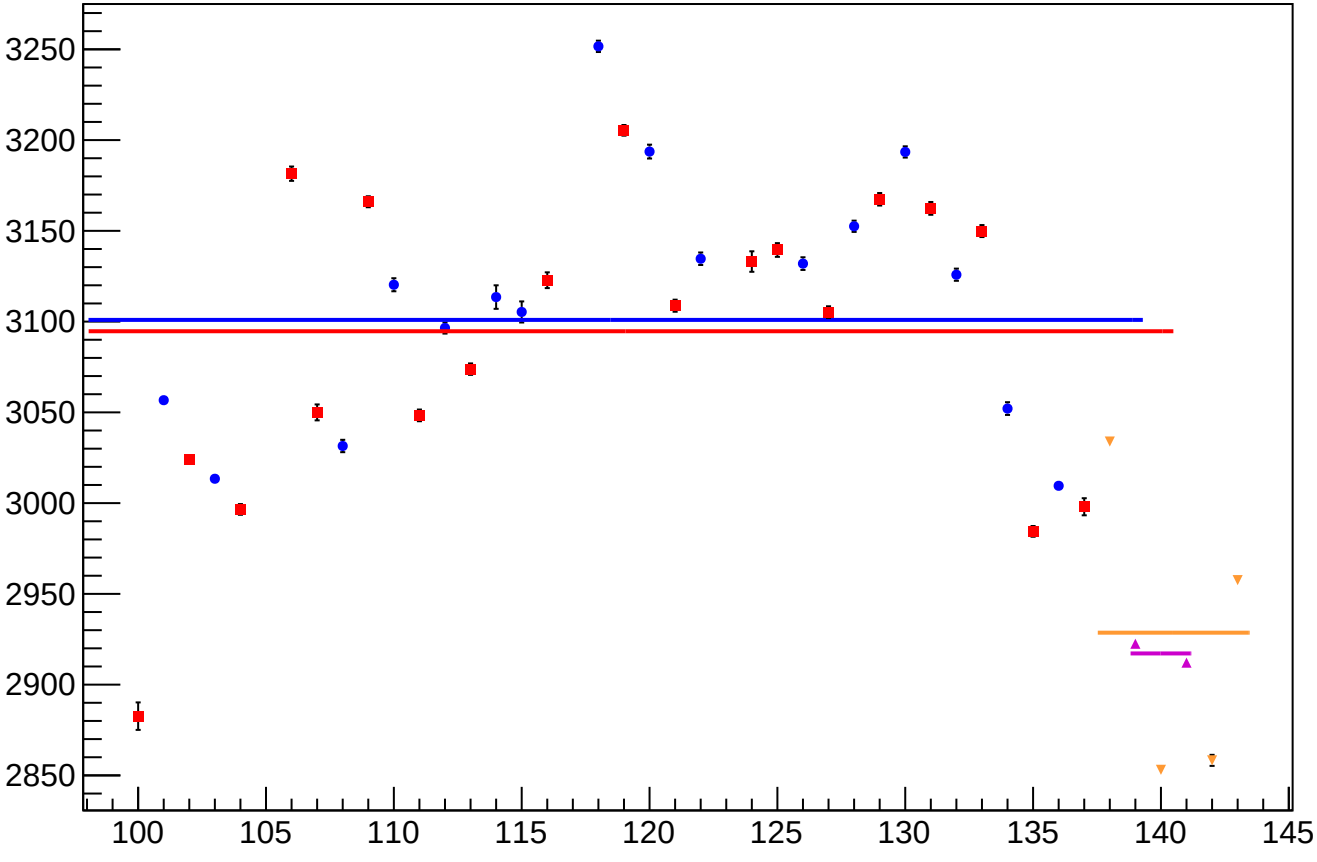
Left In: -9.083+/-2.217 χ^2/NDF:0.5/1

+ sign -17.341+/-0.958 χ^2/NDF: 235.7/19

All: -13.088+/-0.694 χ^2/NDF: 572.5/40

- sign -8.401+/-1.006 χ^2/NDF: 295.4/20

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2928.629+/-1.221 χ^2/NDF:3752.5/3

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

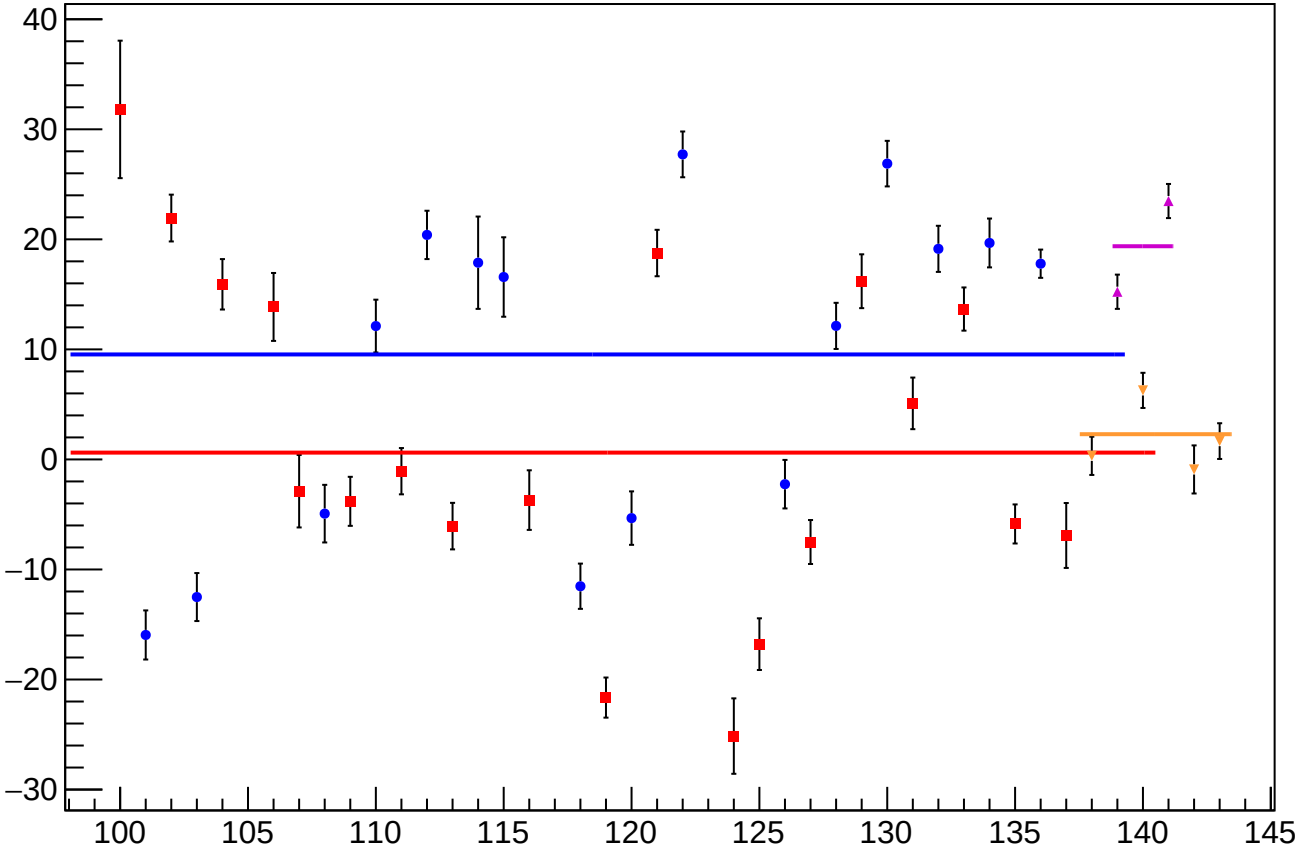
Left In: 2917.187+/-1.568 χ^2/NDF:11.0/1

+ sign 3047.852+/-0.678 χ^2/NDF: 25433.9/19

All: 3052.753+/-0.491 χ^2/NDF: 44317.8/40

- sign 3058.155+/-0.711 χ^2/NDF: 18773.8/20

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 2.293+/-0.873 χ^2/NDF:9.8/3

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

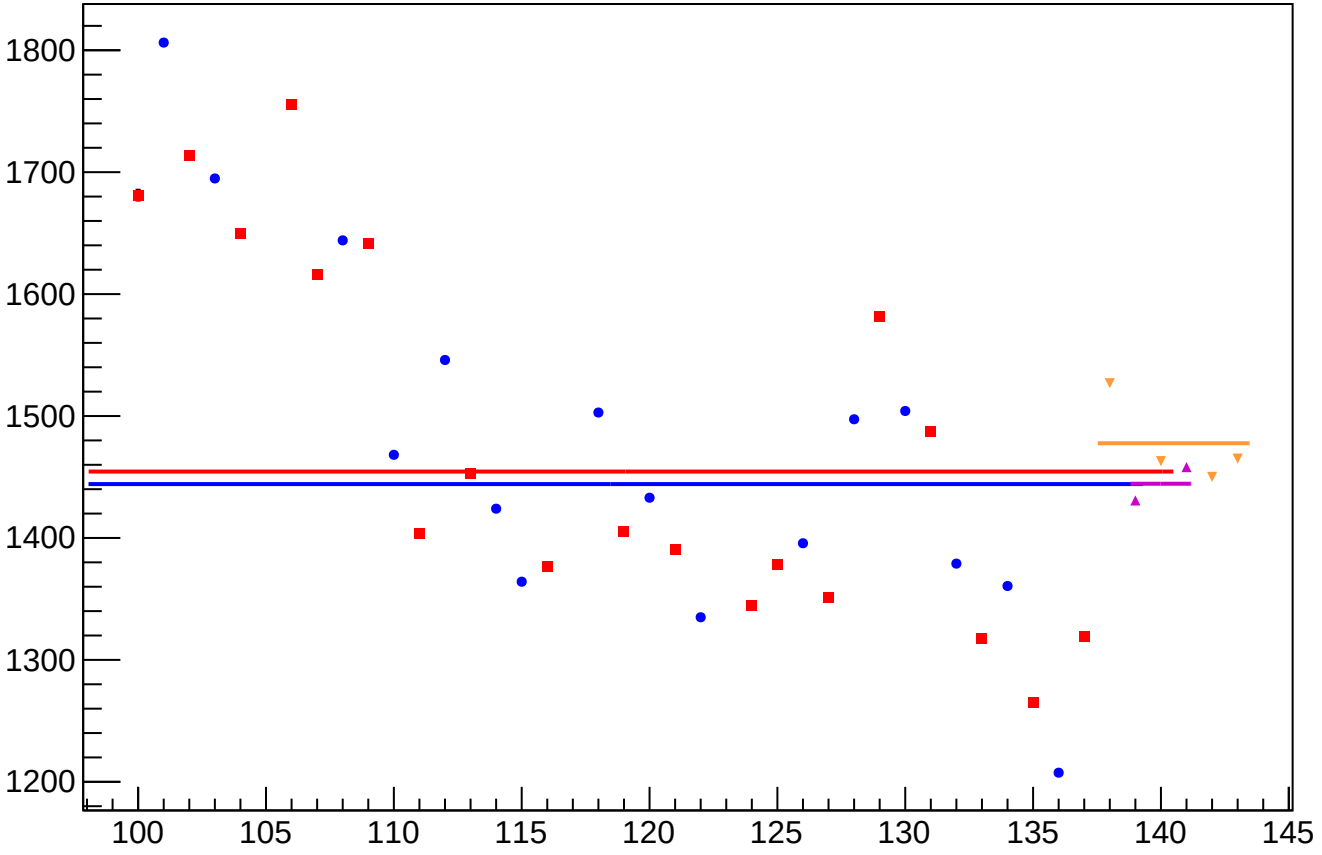
Left In: 19.373+/-1.099 χ^2/NDF:14.1/1

+ sign 7.528+/-0.460 χ^2/NDF: 758.3/19

All: 5.937+/-0.332 χ^2/NDF: 1698.8/40

- sign 4.203+/-0.480 χ^2/NDF: 915.5/20

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1477.683+/-0.617 χ^2/NDF:2214.6/3

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

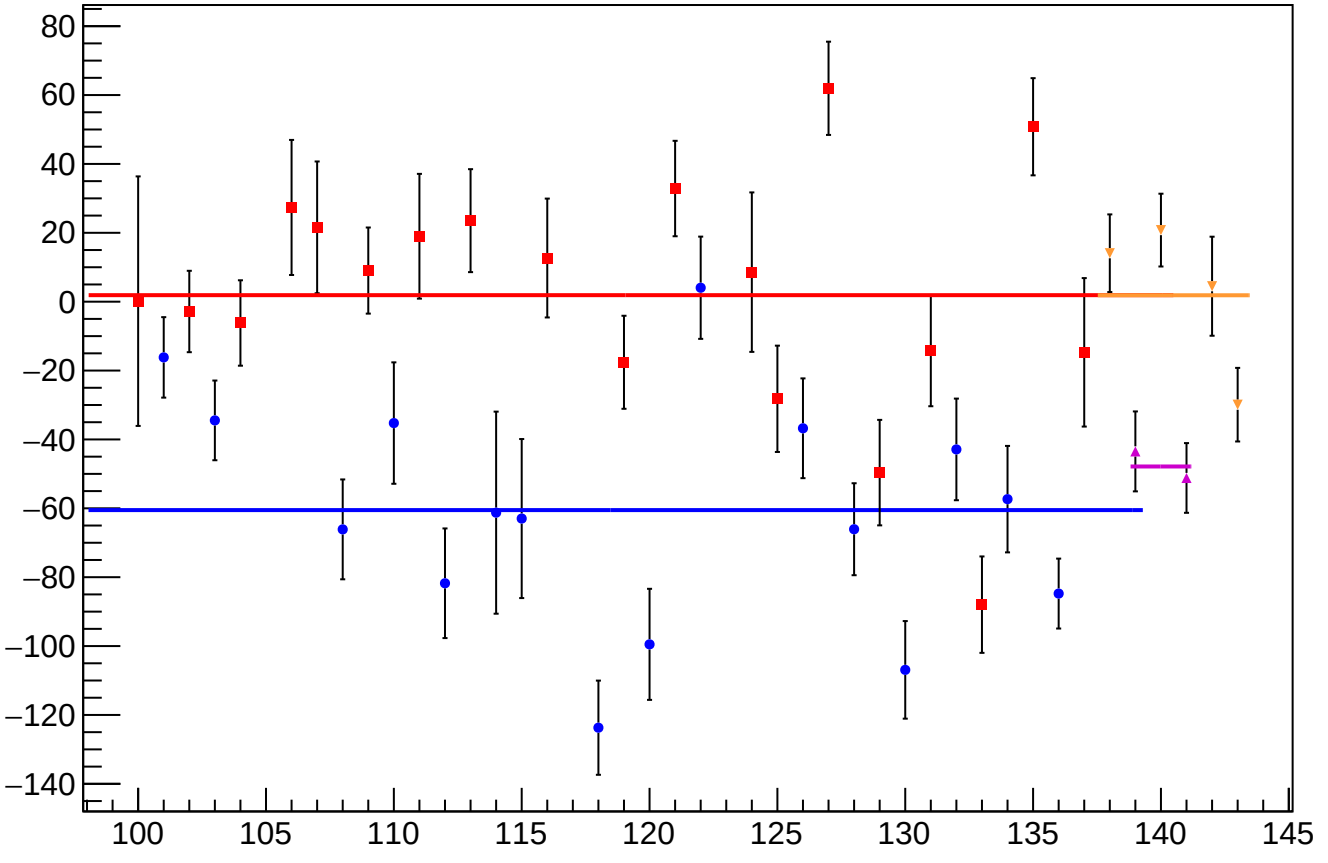
Left In: 1444.473+/-0.777 χ^2/NDF:309.1/1

+ sign 1453.489+/-0.325 χ^2/NDF: 184489.1/19

All: 1453.045+/-0.235 χ^2/NDF: 327708.9/40

- sign 1452.560+/-0.340 χ^2/NDF: 143216.0/20

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: 1.863+/-5.734 χ^2/NDF:13.3/3

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

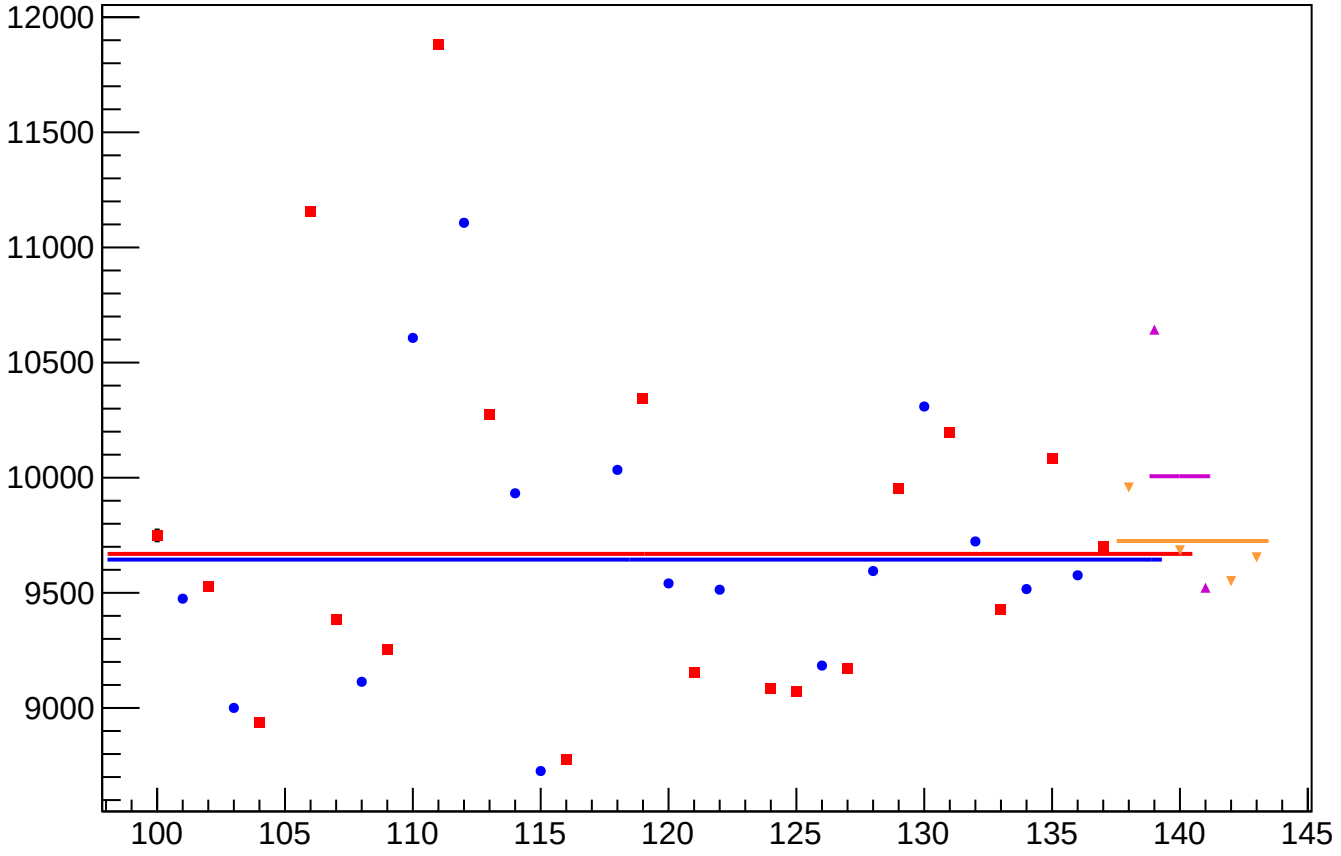
Left In: -47.853+/-7.628 χ^2/NDF:0.3/1

+ sign -42.905+/-3.047 χ^2/NDF: 188.5/19

All: -25.876+/-2.211 χ^2/NDF: 393.6/40

- sign -6.932+/-3.213 χ^2/NDF: 139.1/20

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9725.252+/-4.054 χ^2/NDF:1261.4/3

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

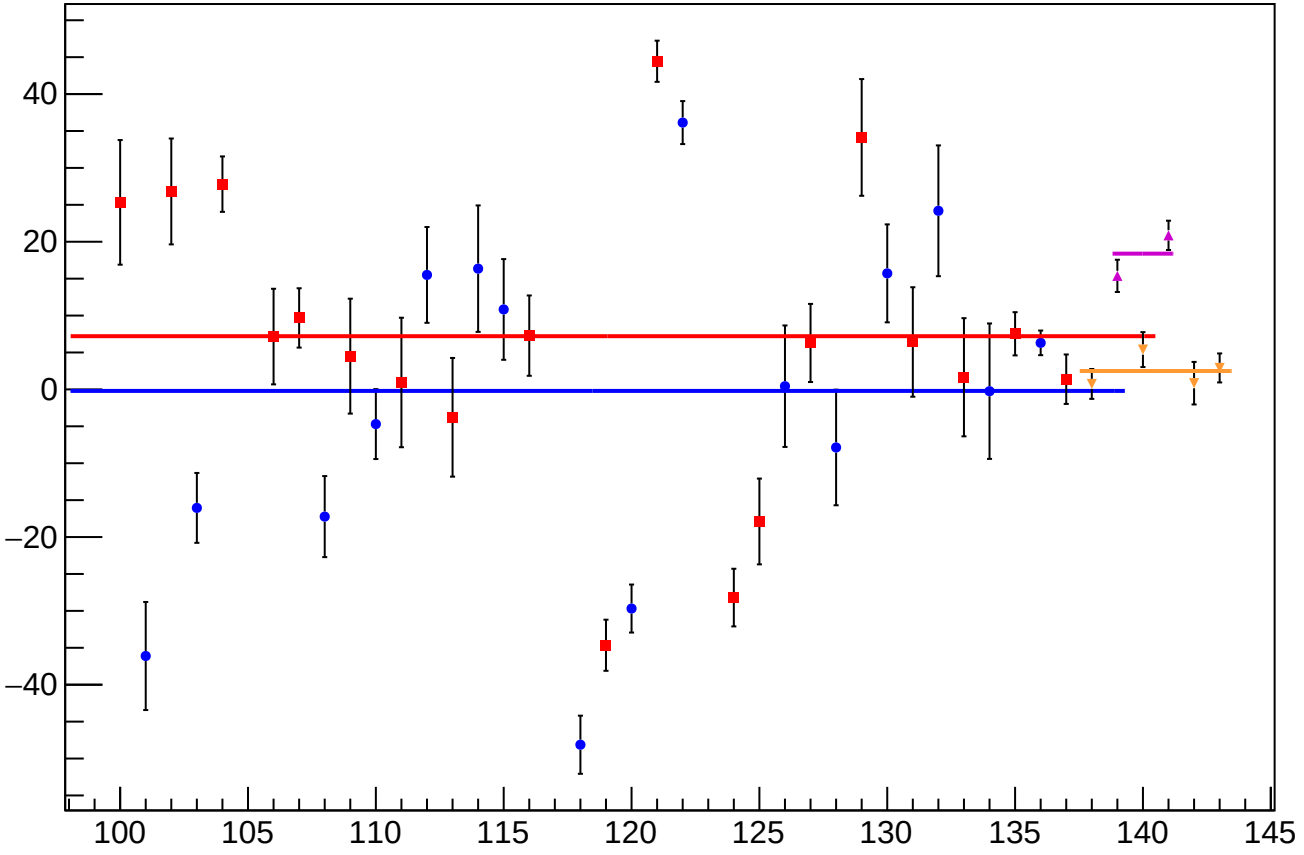
Left In: 10006.467+/-5.394 χ^2/NDF:10592.3/1

+ sign 9667.223+/-2.154 χ^2/NDF: 45648.4/19

All: 9696.462+/-1.563 χ^2/NDF: 139724.9/40

- sign 9728.986+/-2.272 χ^2/NDF: 93687.4/20

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 2.491+/-1.116 χ^2/NDF:2.6/3

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

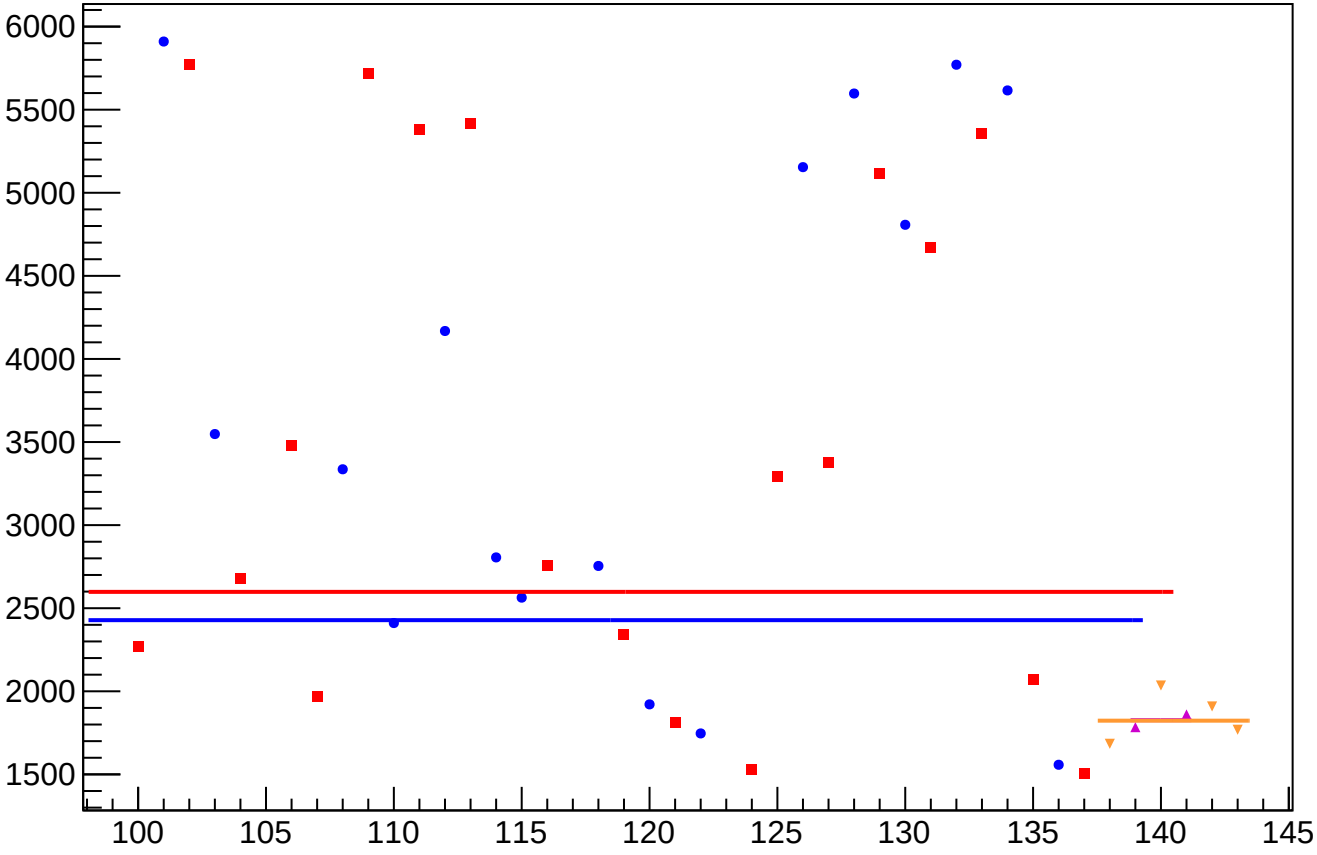
Left In: 18.387+/-1.468 χ^2/NDF:3.5/1

+ sign 1.054+/-0.763 χ^2/NDF: 479.4/19

All: 5.442+/-0.573 χ^2/NDF: 1082.1/40

- sign 11.103+/-0.867 χ^2/NDF: 526.9/20

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1823.251+/-0.789 χ^2/NDF:28759.4/3

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

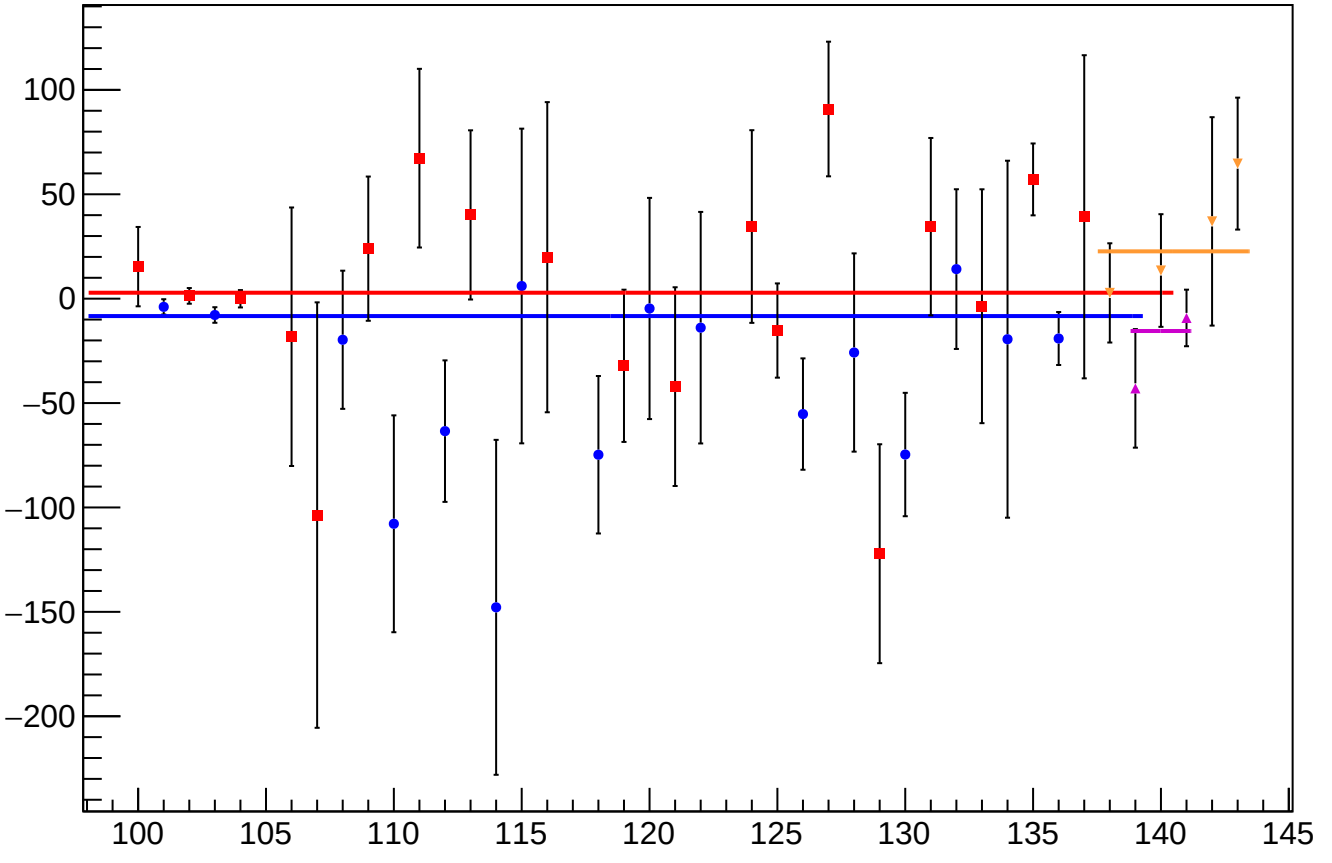
Left In: 1826.272+/-1.038 χ^2/NDF:1350.0/1

+ sign 2145.486+/-0.540 χ^2/NDF: 3156918.5/19

All: 2225.734+/-0.405 χ^2/NDF: 6084312.9/40

- sign 2329.241+/-0.613 χ^2/NDF: 2876737.4/20

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 22.663+/-14.829 χ^2/NDF:2.7/3

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

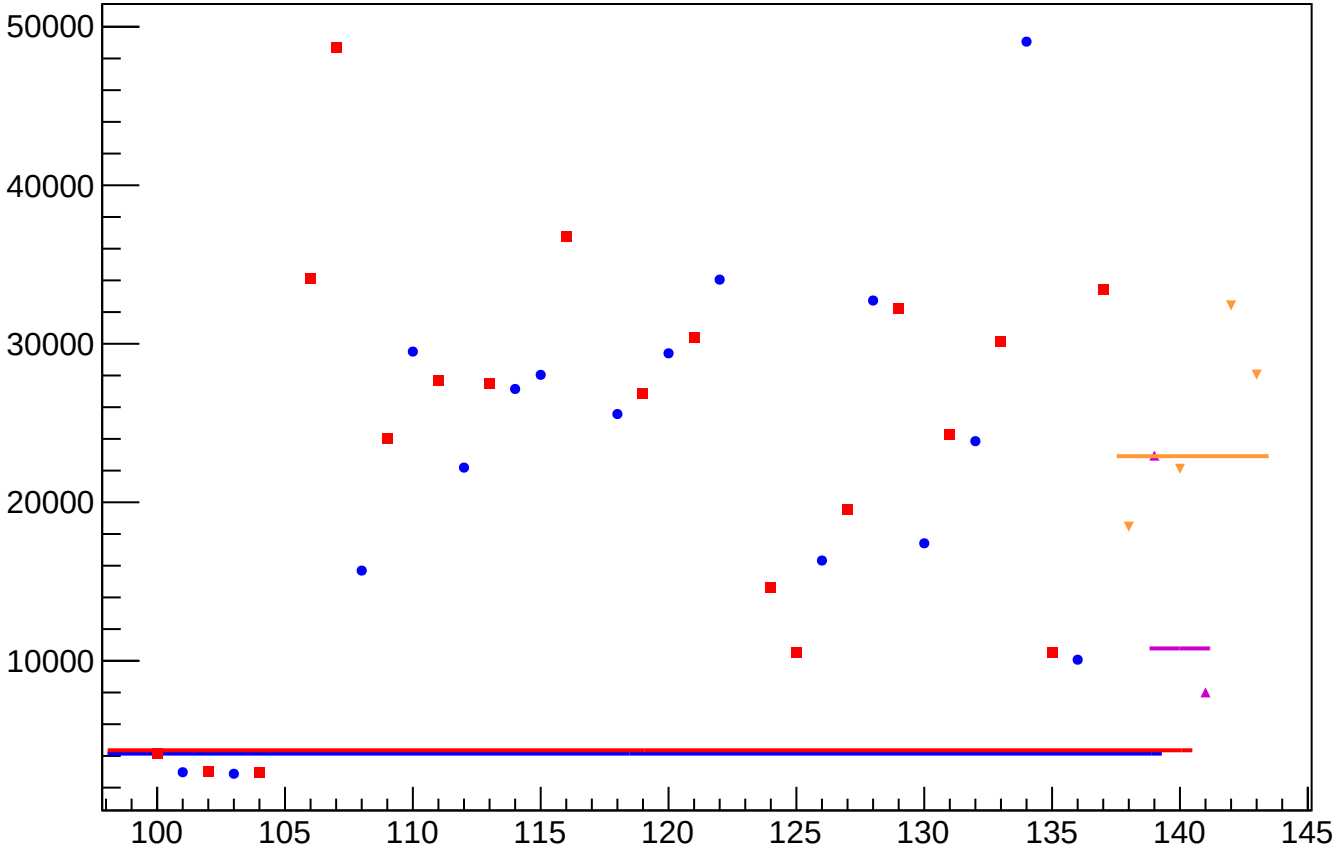
Left In: -15.489+/-12.229 χ^2/NDF:1.1/1

+ sign -7.476+/-2.465 χ^2/NDF: 30.3/19

All: -2.940+/-1.782 χ^2/NDF: 73.4/40

- sign 2.032+/-2.580 χ^2/NDF: 35.9/20

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 22910.585+/-10.486 χ^2/NDF:197382.1/3

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

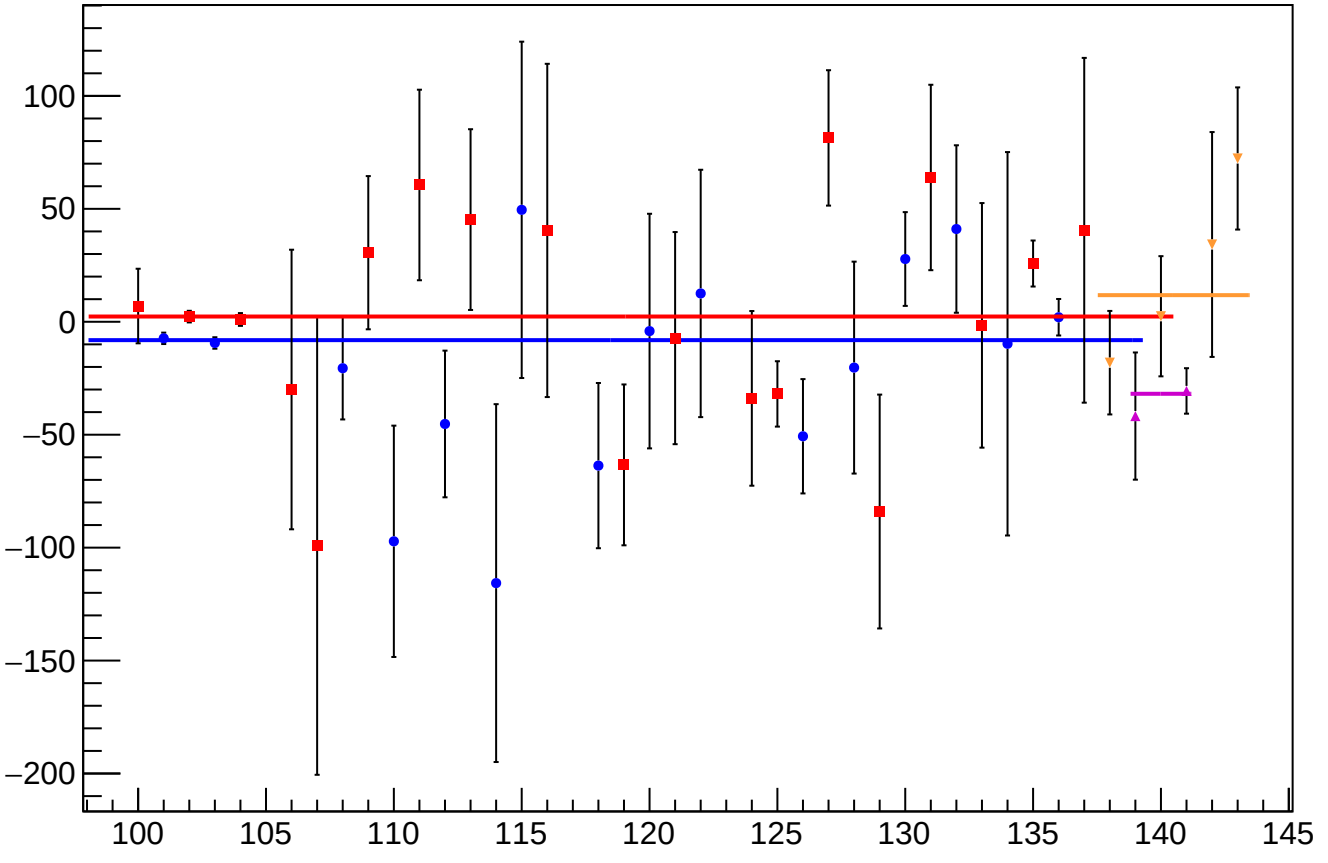
Left In: 10780.135+/-8.648 χ^2/NDF:450689.6/1

+ sign 4664.154+/-1.743 χ^2/NDF: 10148500.9/19

All: 4652.849+/-1.260 χ^2/NDF: 18751616.5/4

- sign 4640.458+/-1.824 χ^2/NDF: 8603027.3/20

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 11.785+/-14.539 χ^2/NDF:5.7/3

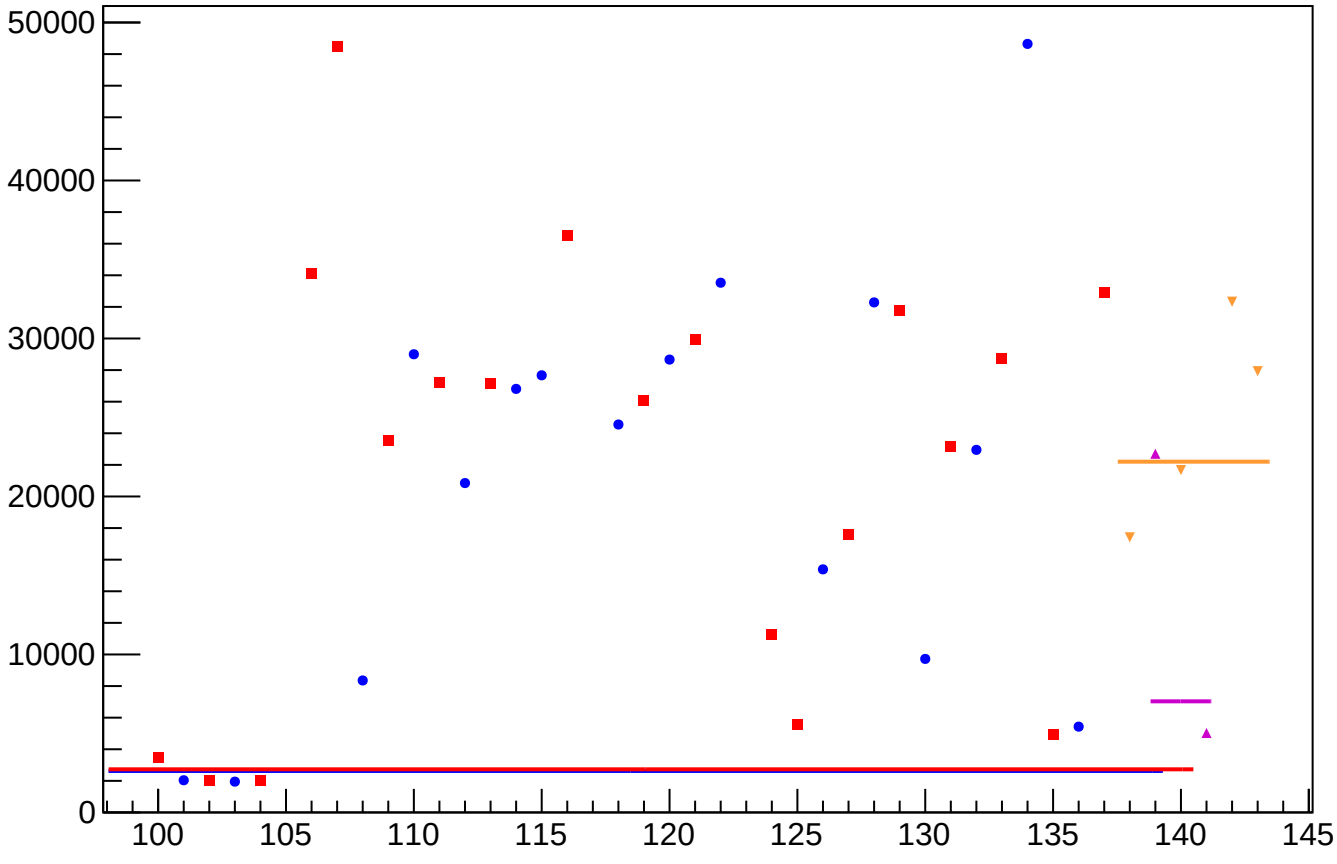
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -31.883+/-9.477 χ^2/NDF:0.1/1

+ sign -7.857+/-1.708 χ^2/NDF: 26.7/19

All: -3.582+/-1.236 χ^2/NDF: 85.6/40

- sign 1.106+/-1.789 χ^2/NDF: 45.8/20



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22201.959+/-10.280 χ^2/NDF:237204.5/3

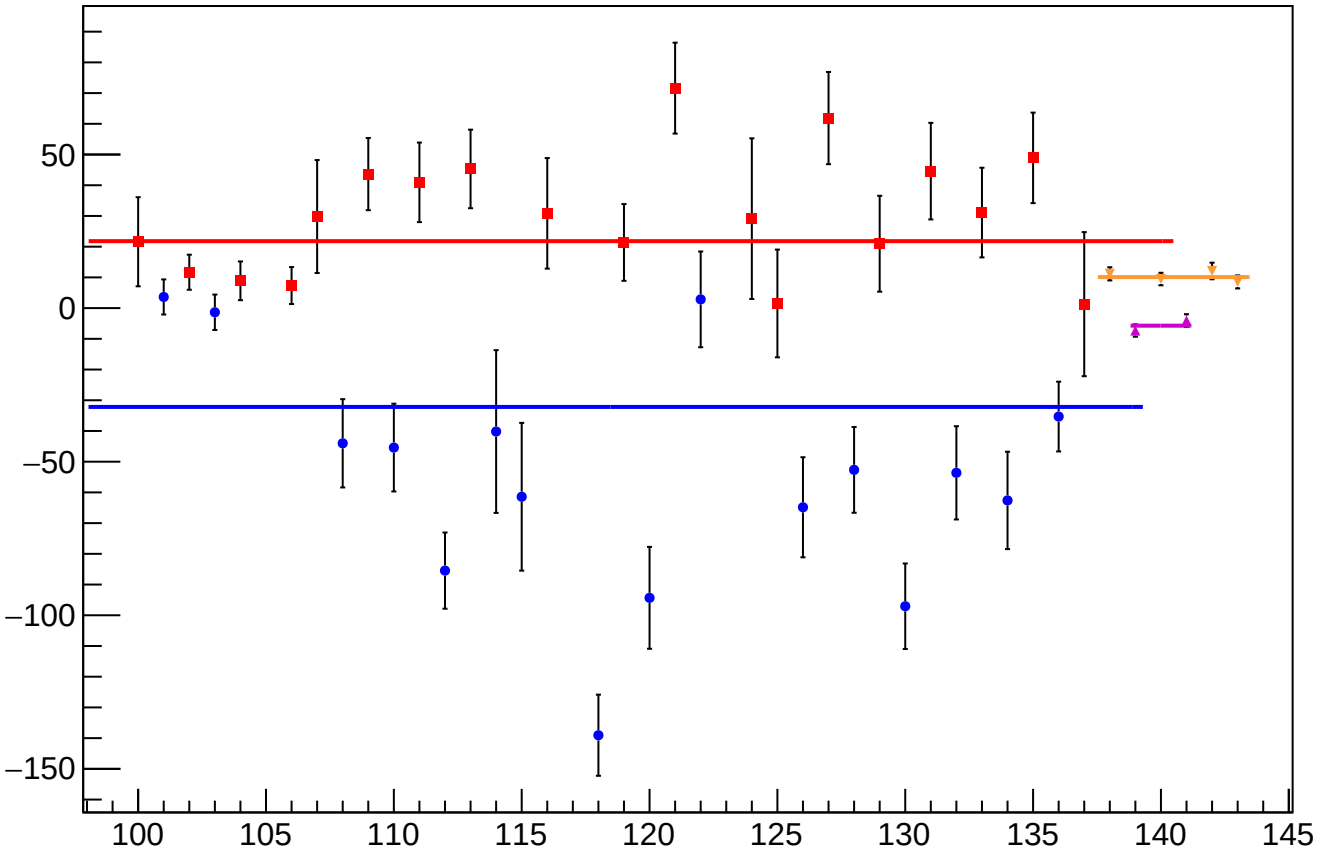
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 7033.562+/-6.701 χ^2/NDF:698656.8/1

+ sign 2896.747+/-1.208 χ^2/NDF: 10593803.3/19

All: 2890.464+/-0.874 χ^2/NDF: 19676202.0/4

- sign 2883.575+/-1.265 χ^2/NDF: 9082342.0/20



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.098+/-1.106 χ^2/NDF:1.4/3

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

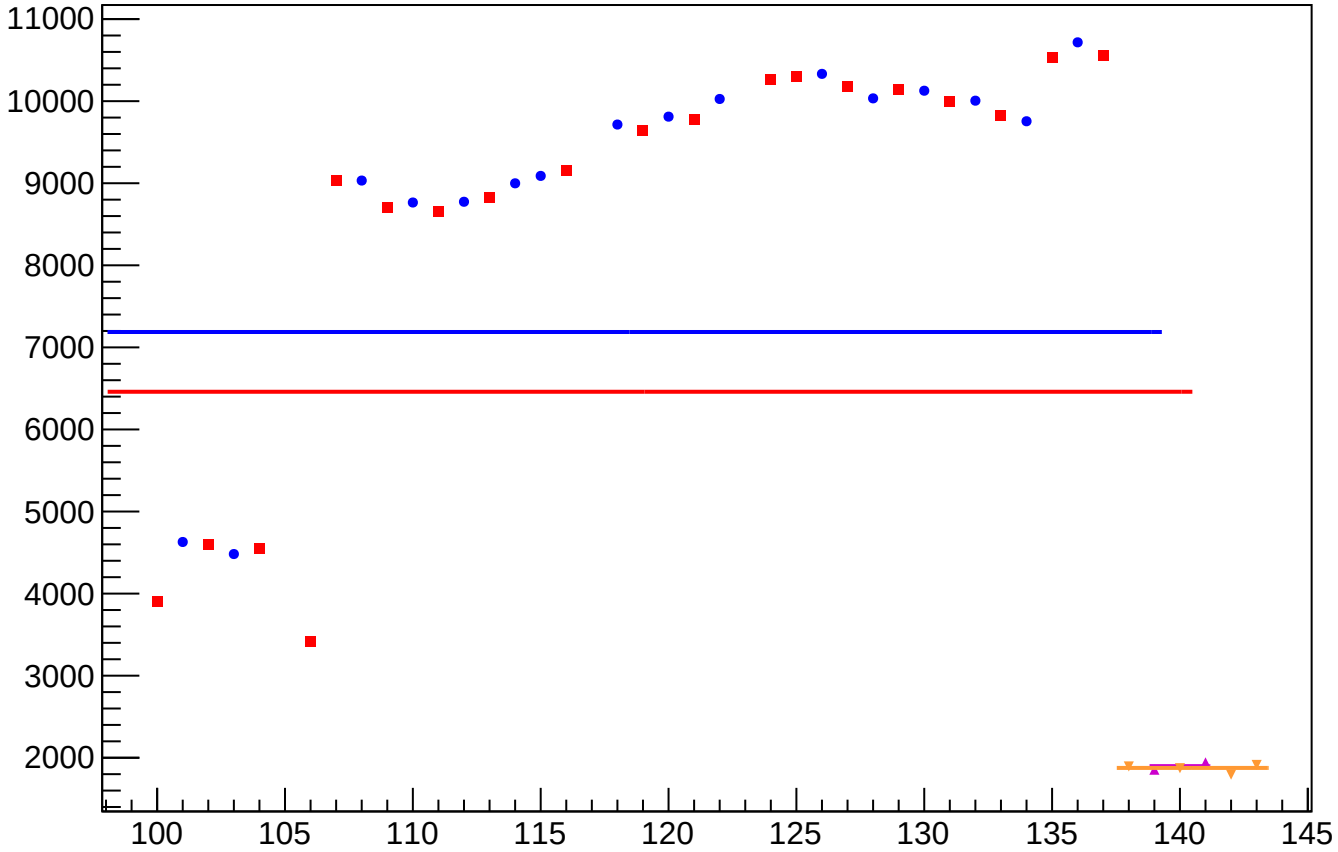
Left In: -5.720+/-1.444 χ^2/NDF:1.3/1

+ sign 4.535+/-1.031 χ^2/NDF: 401.3/19

All: 3.088+/-0.797 χ^2/NDF: 544.4/40

- sign 0.935+/-1.258 χ^2/NDF: 138.2/20

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1875.980+/-0.782 χ^2/NDF:2571.3/3

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

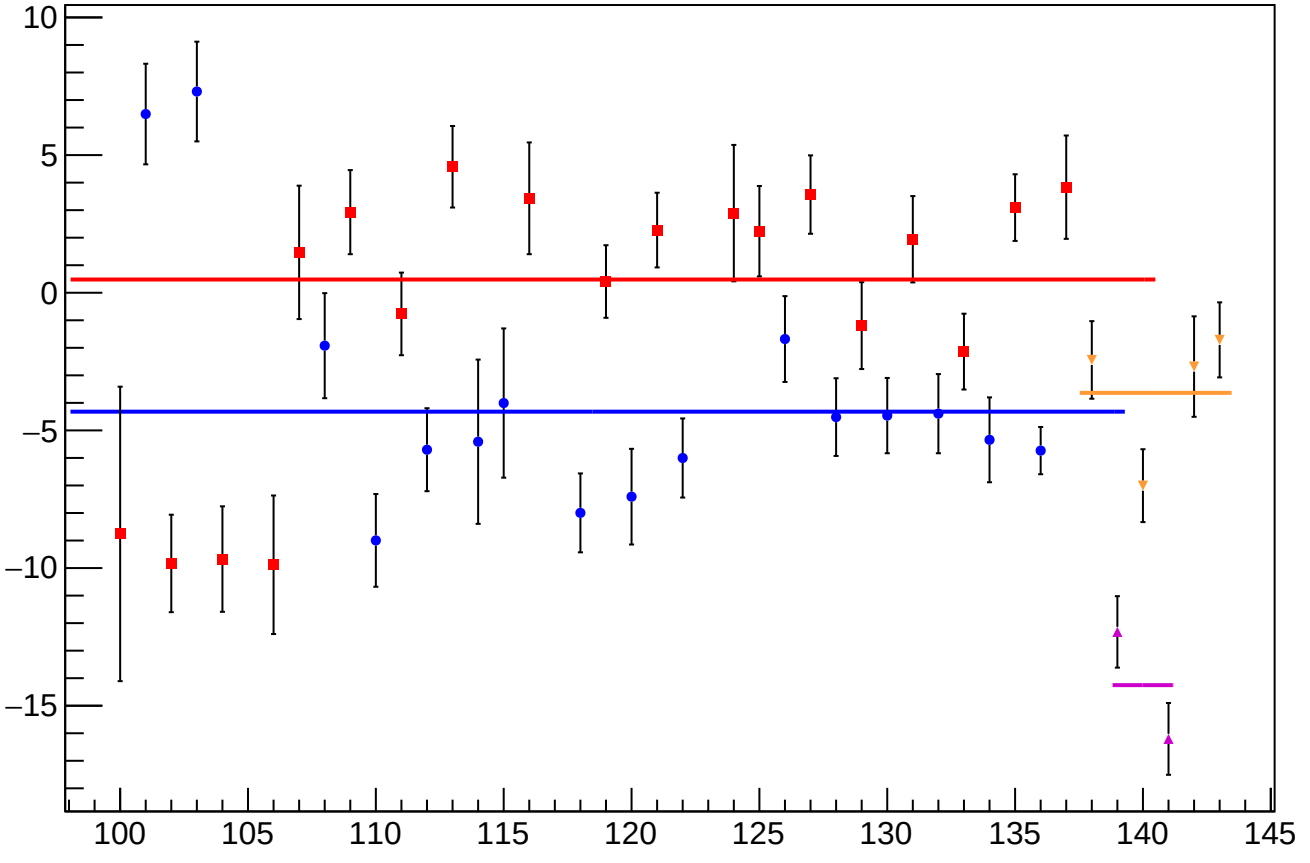
Left In: 1897.999+/-1.021 χ^2/NDF:1914.7/1

+ sign 2575.070+/-0.729 χ^2/NDF: 7775725.6/19

All: 2746.243+/-0.564 χ^2/NDF: 15015343.2/4

- sign 3000.899+/-0.889 χ^2/NDF: 7102465.9/20

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -3.636+/-0.723 χ^2/NDF:9.5/3

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

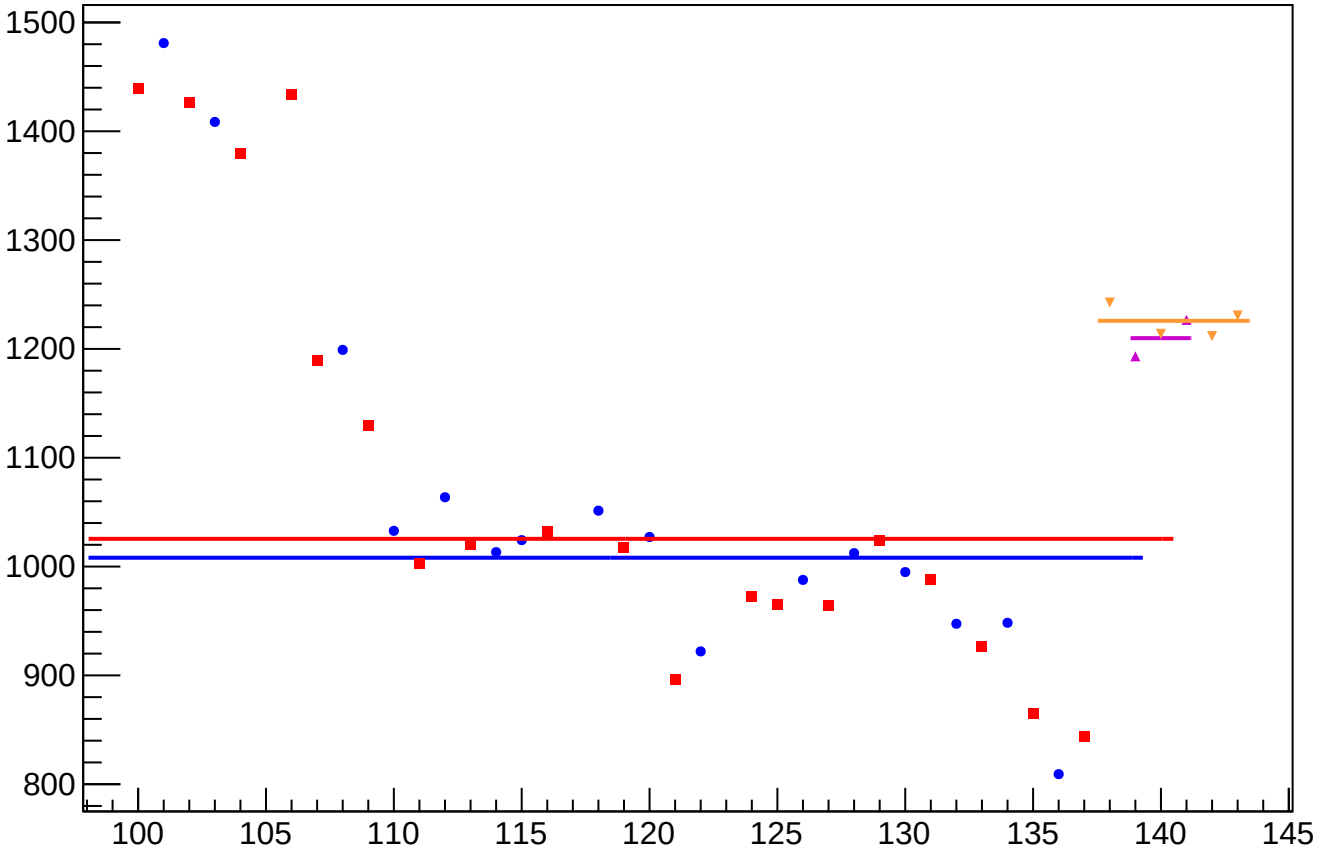
Left In: -14.252+/-0.920 χ^2/NDF:4.5/1

+ sign -4.171+/-0.336 χ^2/NDF: 113.9/19

All: -2.964+/-0.243 χ^2/NDF: 481.7/40

- sign -1.653+/-0.350 χ^2/NDF: 341.0/20

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1225.803+/-0.511 χ^2/NDF:590.4/3

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

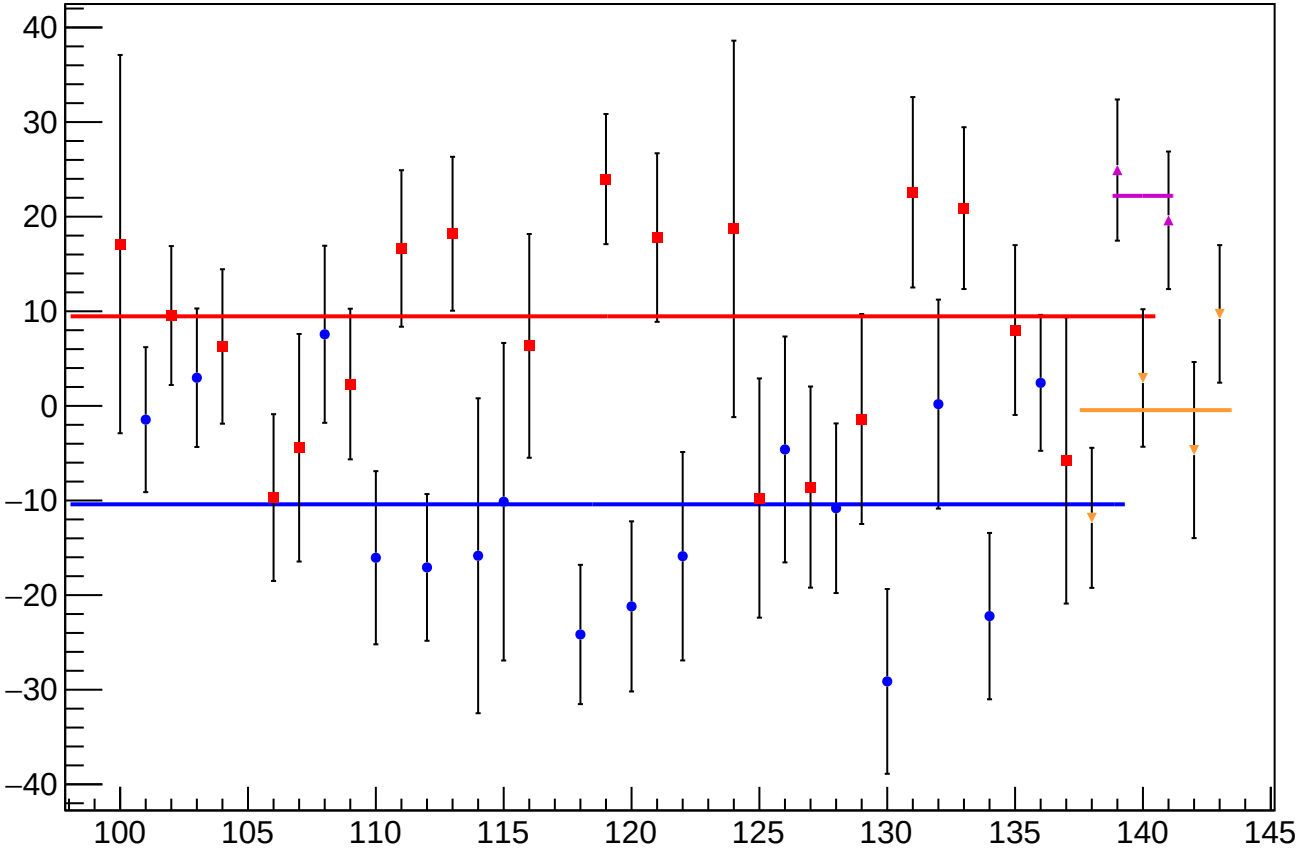
Left In: 1209.896+/-0.651 χ^2/NDF:664.6/1

+ sign 1055.189+/-0.238 χ^2/NDF: 521548.5/19

All: 1053.756+/-0.171 χ^2/NDF: 937000.2/40

- sign 1052.202+/-0.248 χ^2/NDF: 415376.0/20

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.446+/-3.845 χ^2/NDF:4.7/3

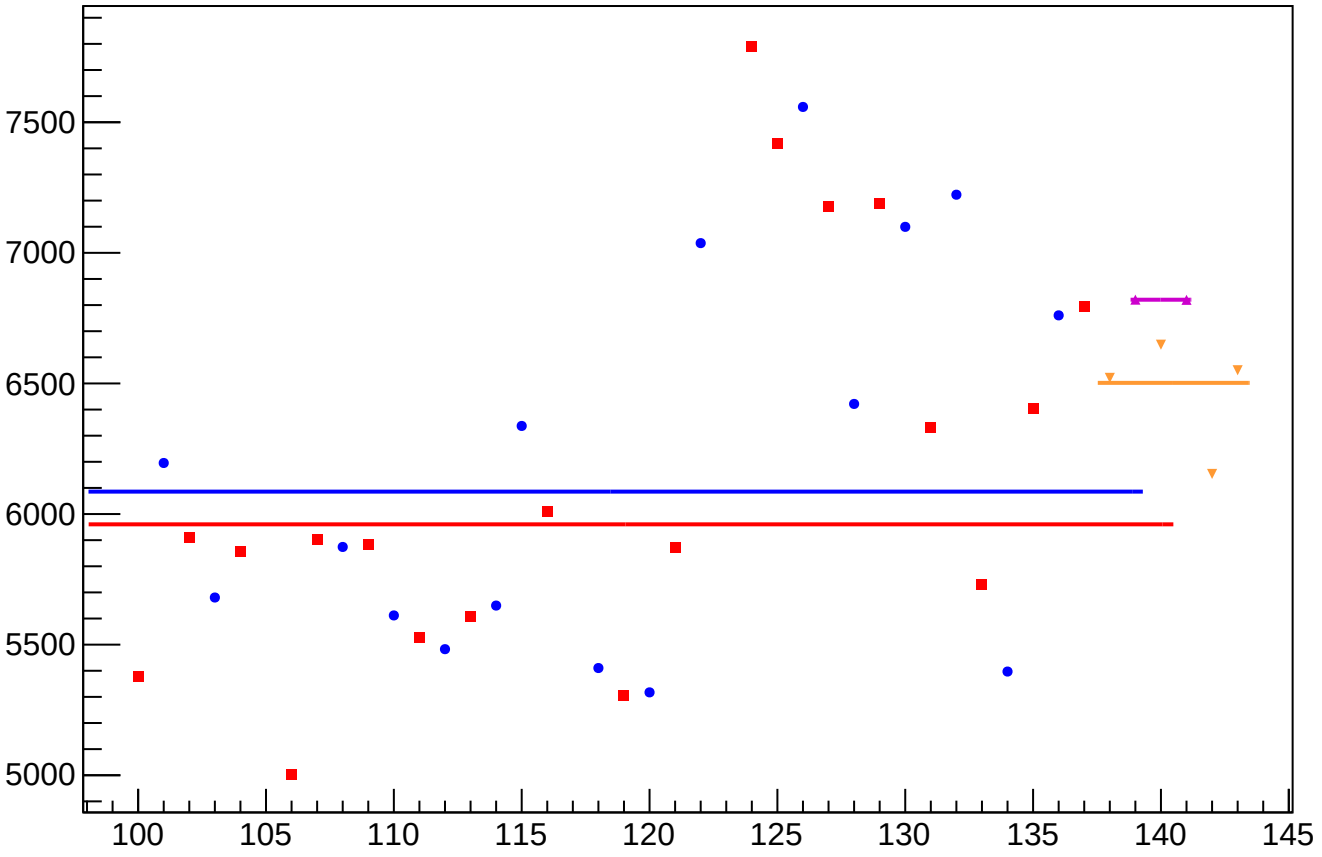
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 22.203+/-5.208 χ^2/NDF:0.3/1

+ sign -7.814+/-1.961 χ^2/NDF: 34.3/19

All: 1.503+/-1.407 χ^2/NDF: 111.5/40

- sign 11.382+/-2.019 χ^2/NDF: 30.7/20



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6502.230+/-2.719 χ^2/NDF:3716.4/3

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

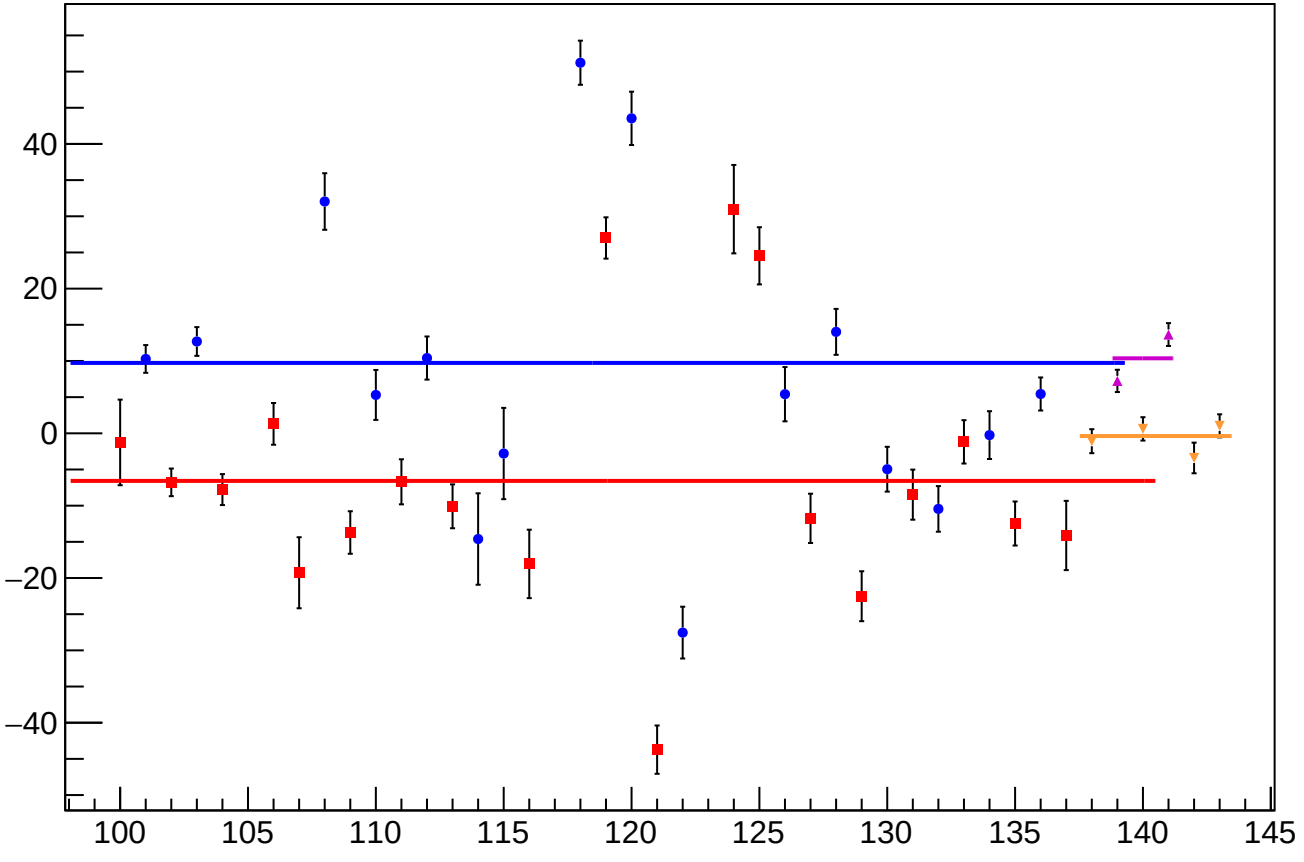
Left In: 6820.527+/-3.683 χ^2/NDF:0.0/1

\+ sign 6194.177+/-1.387 χ^2/NDF: 200183.9/19

All: 6143.570+/-0.995 χ^2/NDF: 412026.1/40

\- sign 6089.908+/-1.428 χ^2/NDF: 209098.3/20

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: -0.377+/-0.857 χ^2/NDF:3.4/3

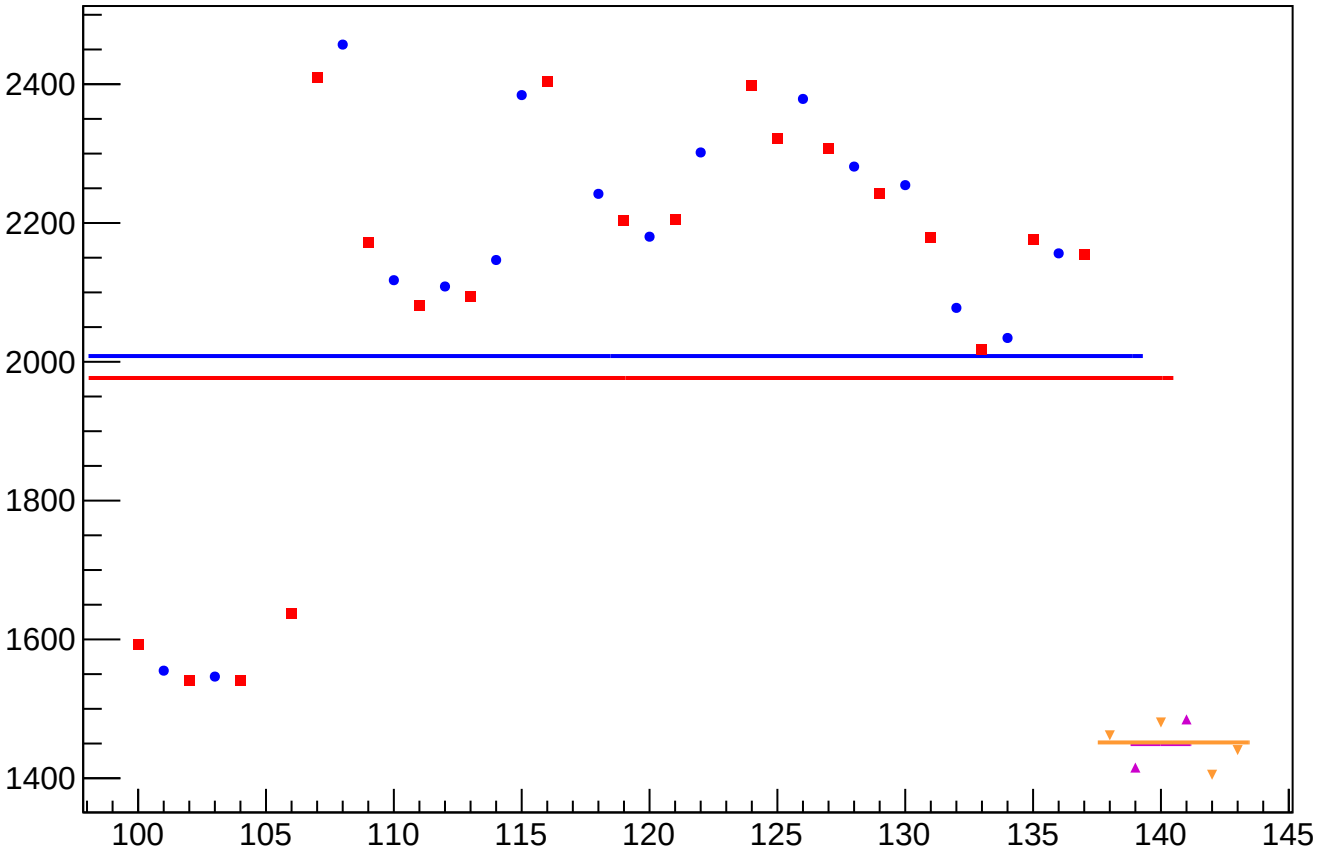
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 10.368+/-1.102 χ^2/NDF:8.4/1

+ sign 5.313+/-0.566 χ^2/NDF: 594.2/19

All: 2.196+/-0.415 χ^2/NDF: 1255.9/40

- sign -1.407+/-0.609 χ^2/NDF: 596.4/20



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1451.568+/-0.606 χ^2/NDF:1772.7/3

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

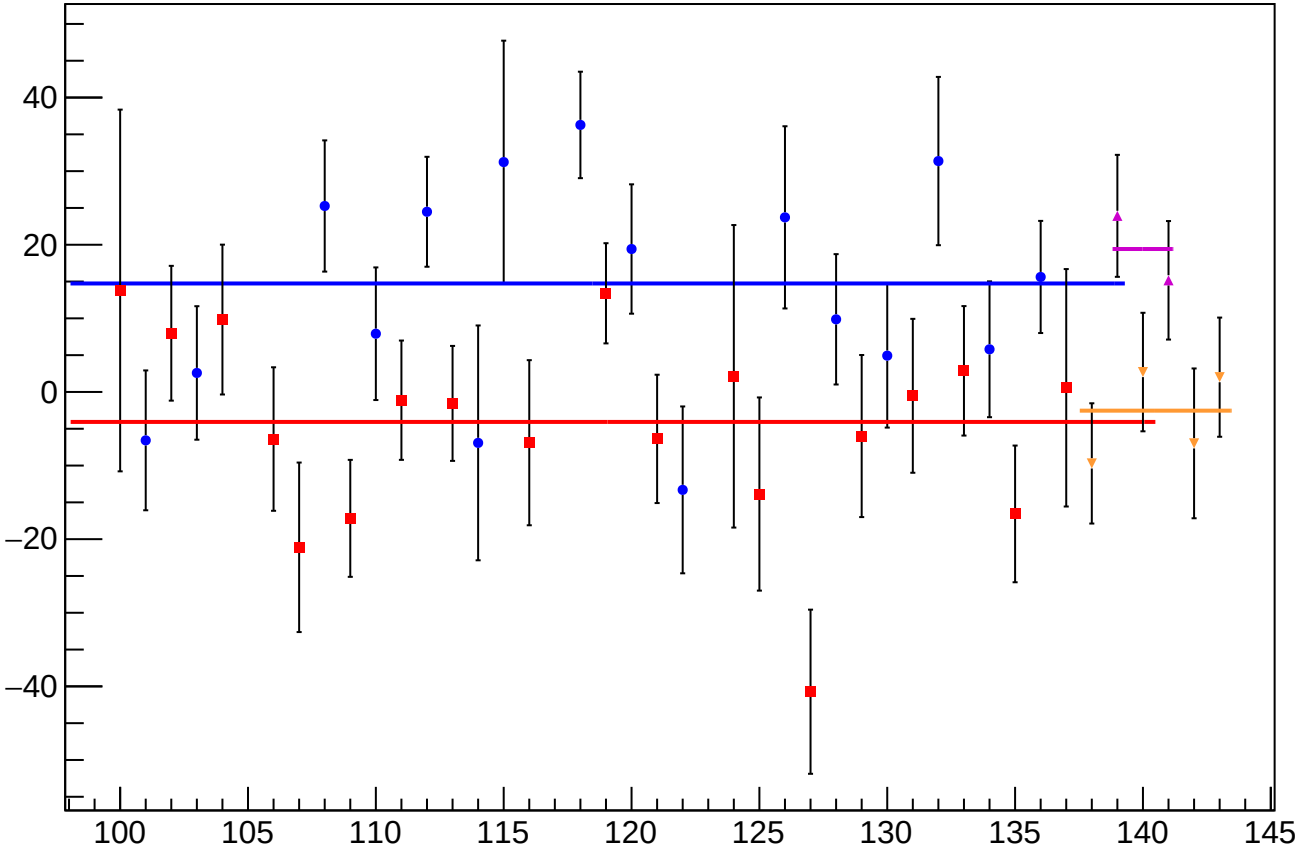
Left In: 1449.197+/-0.779 χ^2/NDF:1979.8/1

+ sign 1764.901+/-0.400 χ^2/NDF: 821688.6/19

All: 1788.497+/-0.293 χ^2/NDF: 1514791.5/40

- sign 1815.764+/-0.431 χ^2/NDF: 685619.8/20

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.541+/-4.252 χ^2/NDF:1.7/3

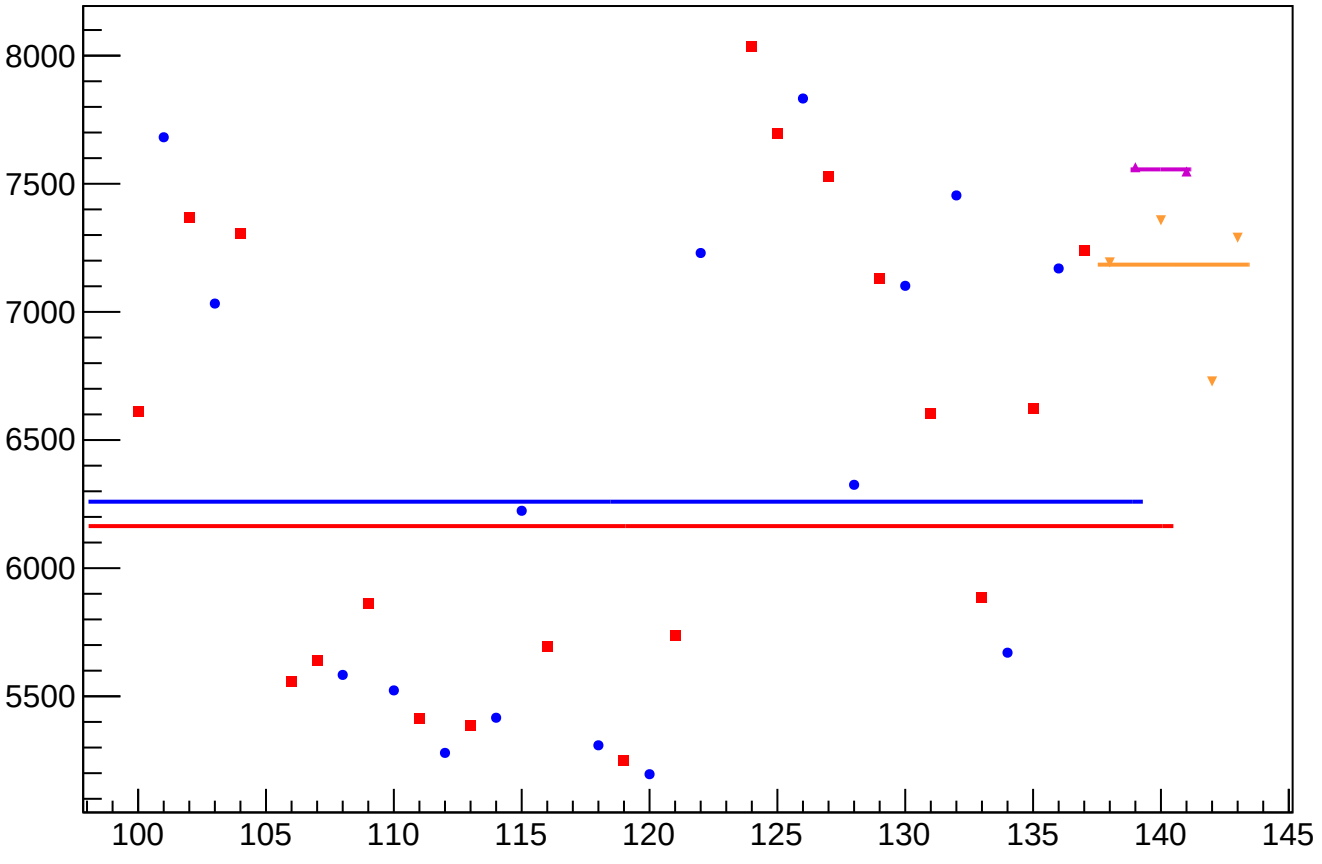
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 19.422+/-5.775 χ^2/NDF:0.6/1

+ sign 10.676+/-2.062 χ^2/NDF: 47.9/19

All: 5.028+/-1.477 χ^2/NDF: 108.3/40

- sign -0.918+/-2.116 χ^2/NDF: 45.1/20



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7184.491+/-3.006 χ^2/NDF:5274.6/3

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

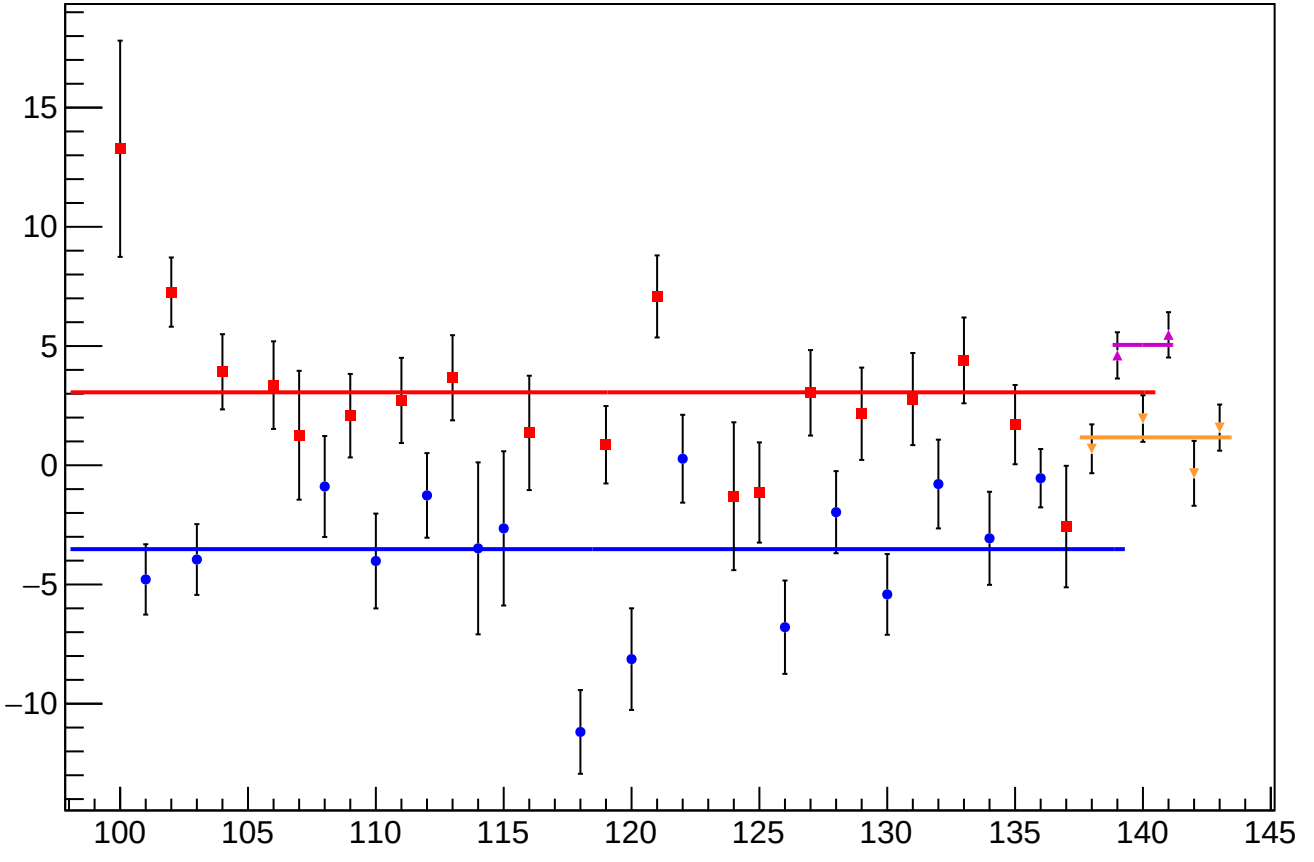
Left In: 7556.124+/-4.083 χ^2/NDF:4.1/1

+ sign 6476.969+/-1.458 χ^2/NDF: 386295.2/19

All: 6415.596+/-1.044 χ^2/NDF: 755605.8/40

- sign 6350.977+/-1.496 χ^2/NDF: 365672.8/20

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.168+/-0.526 χ^2/NDF:2.3/3

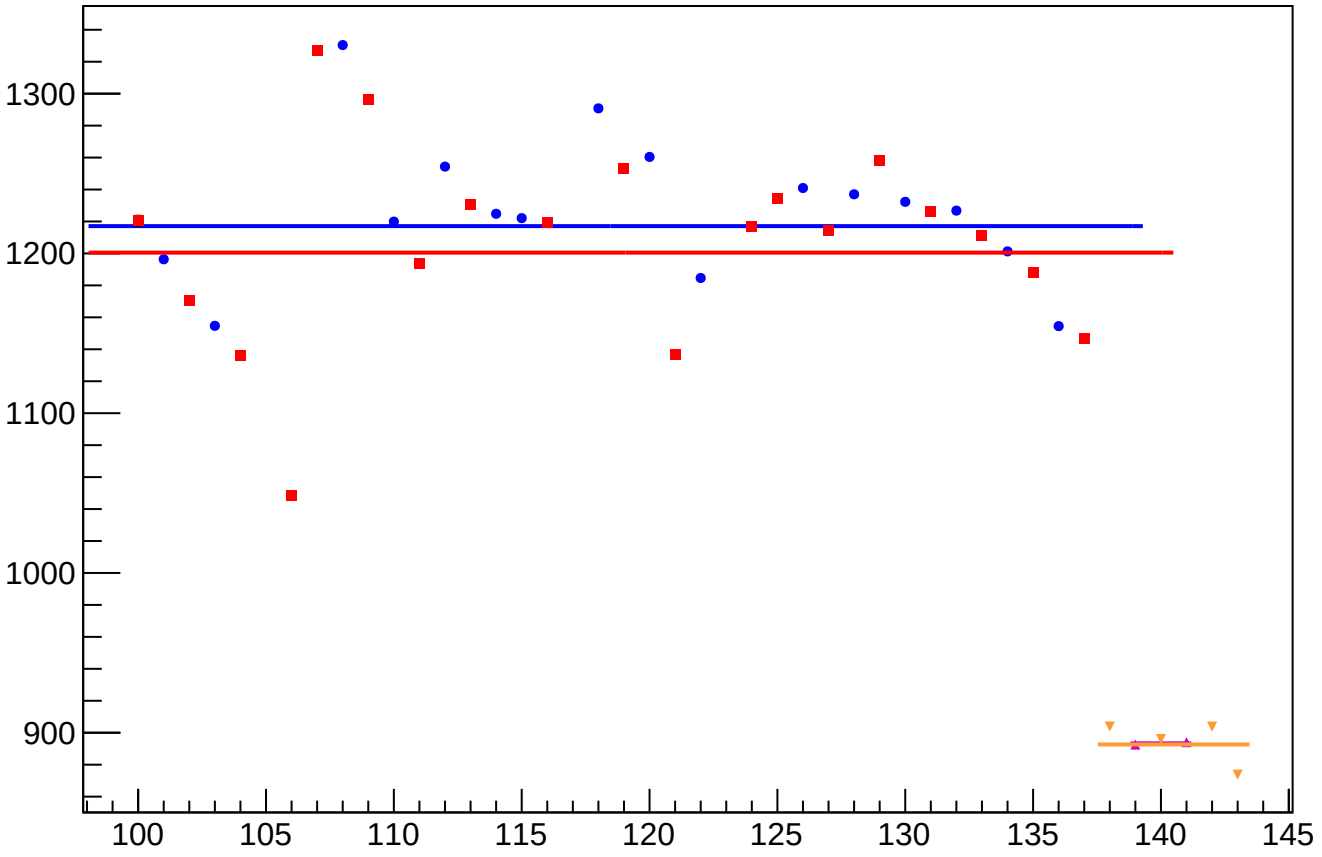
Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: 5.048+/-0.679 χ^2/NDF:0.4/1

\+ sign -1.526+/-0.343 χ^2/NDF: 93.0/19

All: 0.876+/-0.251 χ^2/NDF: 239.8/40

\- sign 3.644+/-0.368 χ^2/NDF: 41.3/20



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 892.660+/-0.372 χ^2/NDF:1163.2/3

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

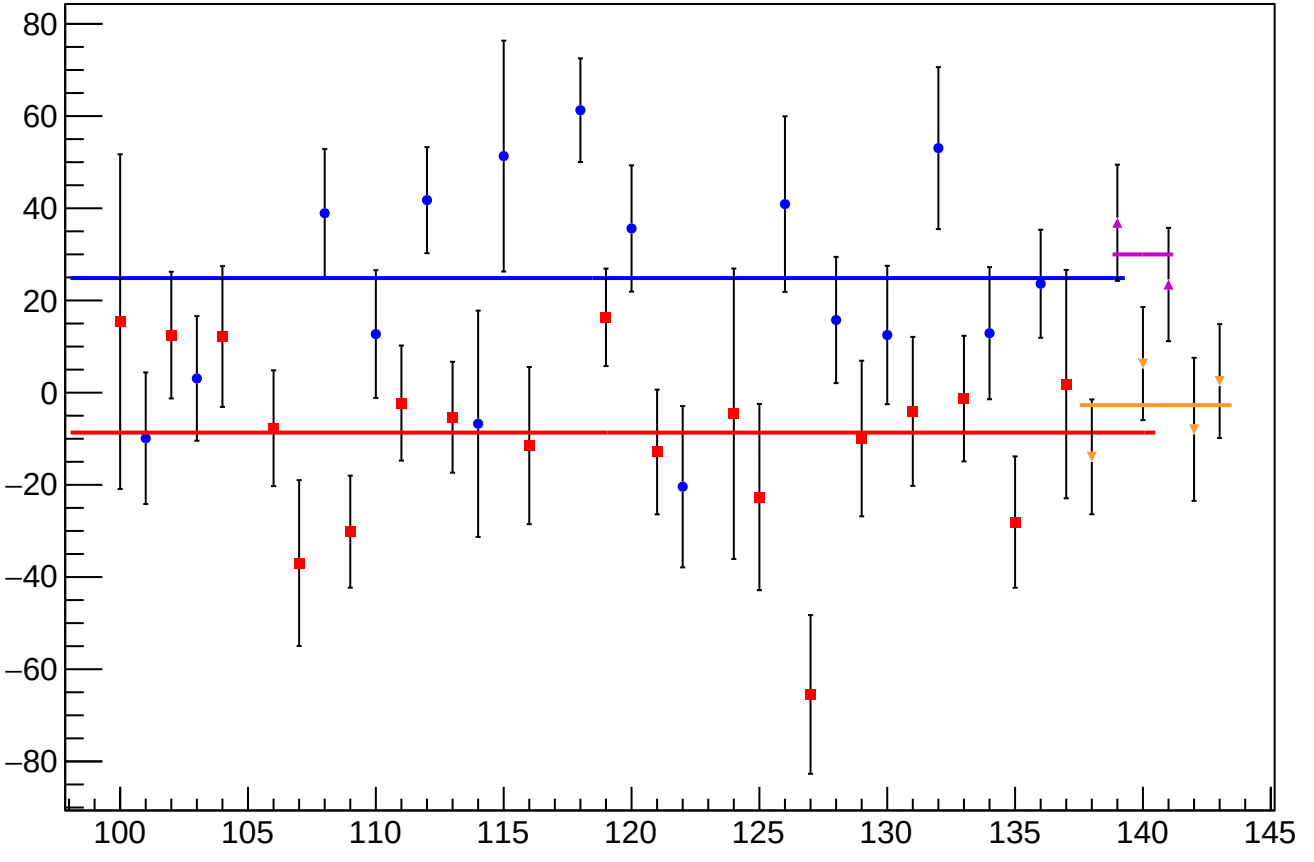
Left In: 893.355+/-0.480 χ^2/NDF:2.5/1

\+ sign 1079.221+/-0.243 χ^2/NDF: 459940.3/19

All: 1093.584+/-0.177 χ^2/NDF: 794031.1/40

\- sign 1110.134+/-0.260 χ^2/NDF: 326545.5/20

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -2.700+/-6.483 χ^2/NDF:1.6/3

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

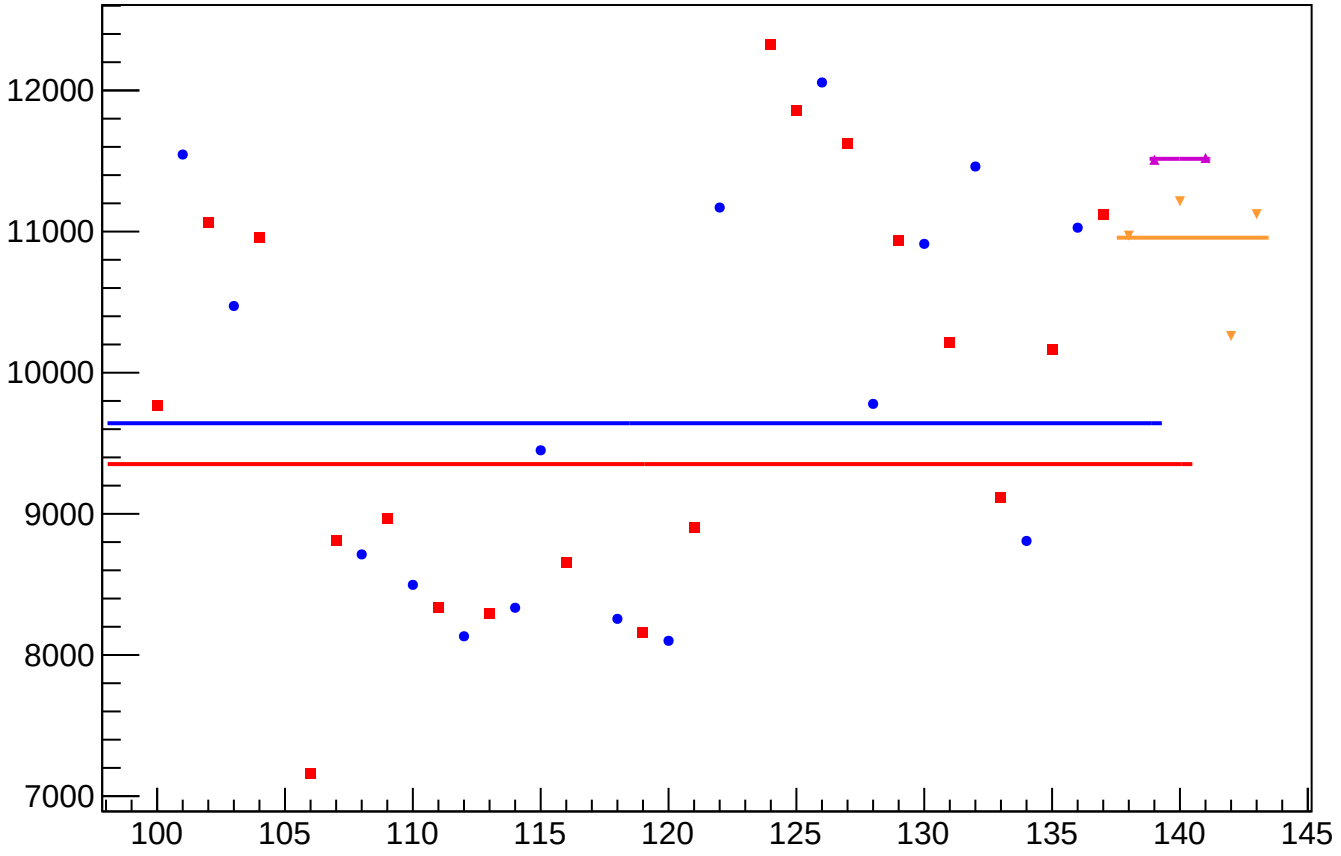
Left In: 29.990+/-8.800 χ^2/NDF:0.6/1

+ sign 18.288+/-3.166 χ^2/NDF: 53.5/19

All: 7.561+/-2.256 χ^2/NDF: 124.3/40

- sign -3.500+/-3.215 χ^2/NDF: 47.4/20

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10956.693+/-4.585 χ^2/NDF:5280.1/3

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

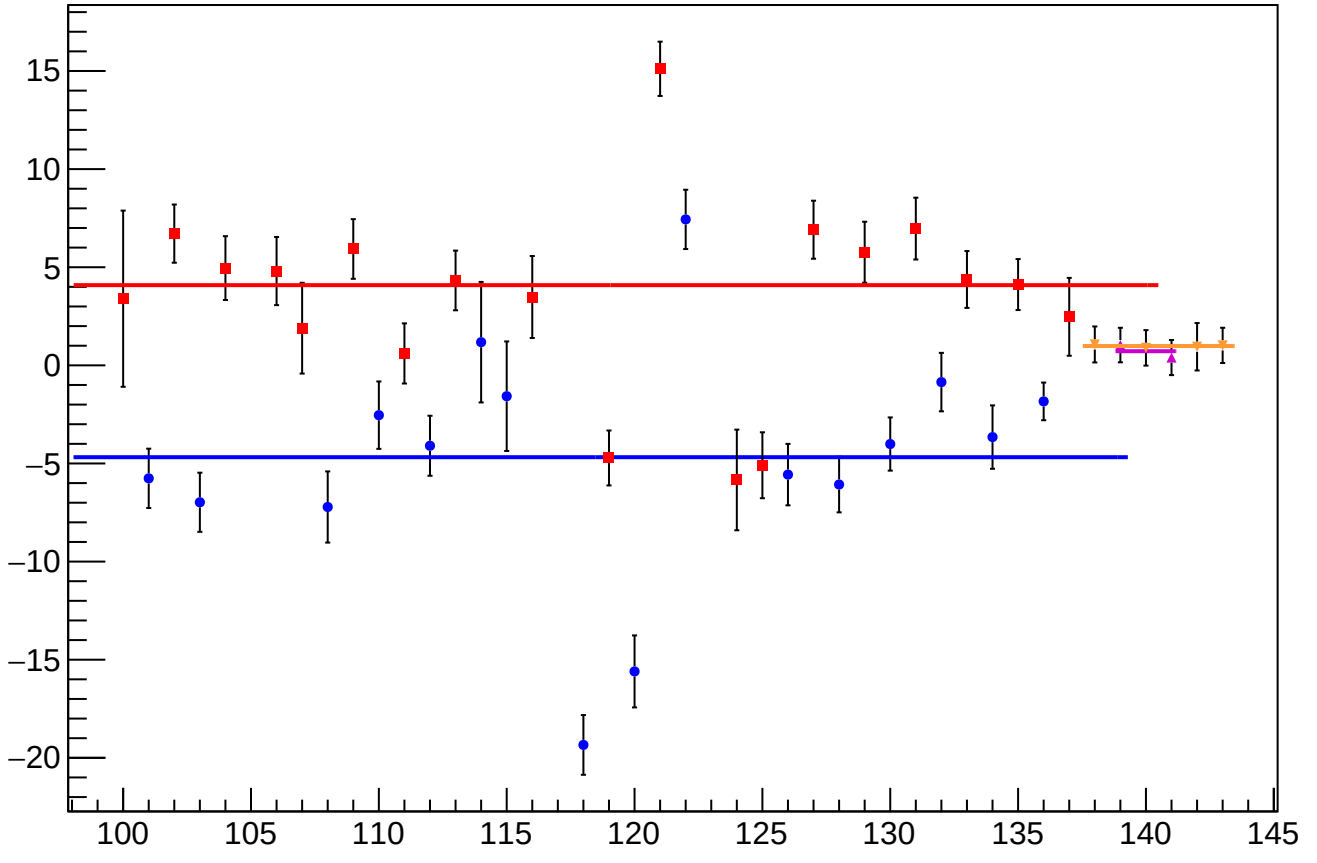
Left In: 11515.535+/-6.223 χ^2/NDF:1.1/1

+ sign 9955.551+/-2.239 χ^2/NDF: 347556.9/19

All: 9800.780+/-1.595 χ^2/NDF: 763744.4/40

- sign 9641.184+/-2.273 χ^2/NDF: 406479.4/20

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.984+/-0.480 χ^2/NDF:0.0/3

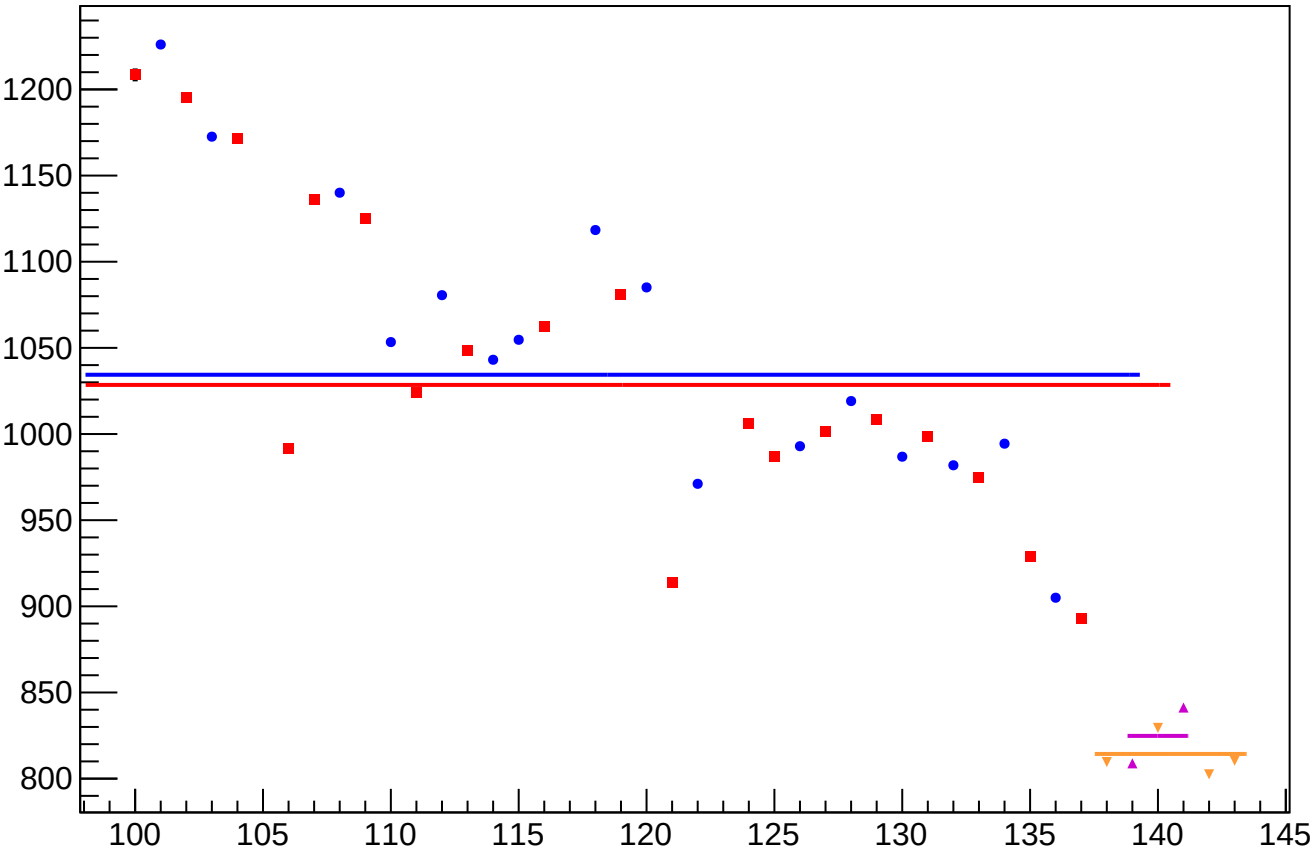
Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: 0.721+/-0.627 χ^2/NDF:0.3/1

+ sign -2.457+/-0.301 χ^2/NDF: 305.8/19

All: 0.170+/-0.220 χ^2/NDF: 659.6/40

- sign 3.195+/-0.323 χ^2/NDF: 189.5/20



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 814.327+/-0.339 χ^2/NDF:843.1/3

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

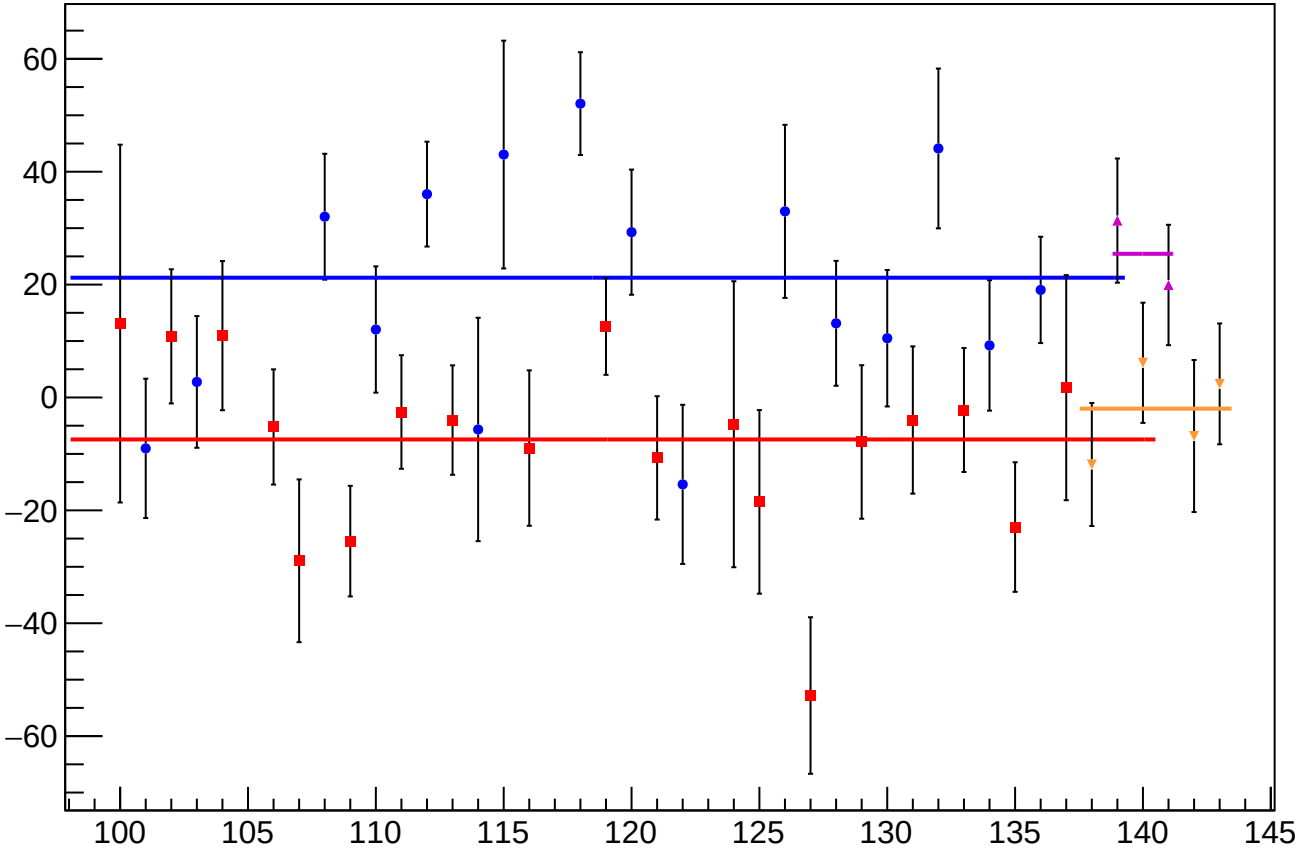
Left In: 824.806+/-0.443 χ^2/NDF:1333.1/1

+ sign 948.007+/-0.213 χ^2/NDF: 369632.9/19

All: 960.338+/-0.156 χ^2/NDF: 634995.8/40

- sign 974.543+/-0.228 χ^2/NDF: 258123.7/20

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -1.981+/-5.637 χ^2/NDF:1.7/3

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

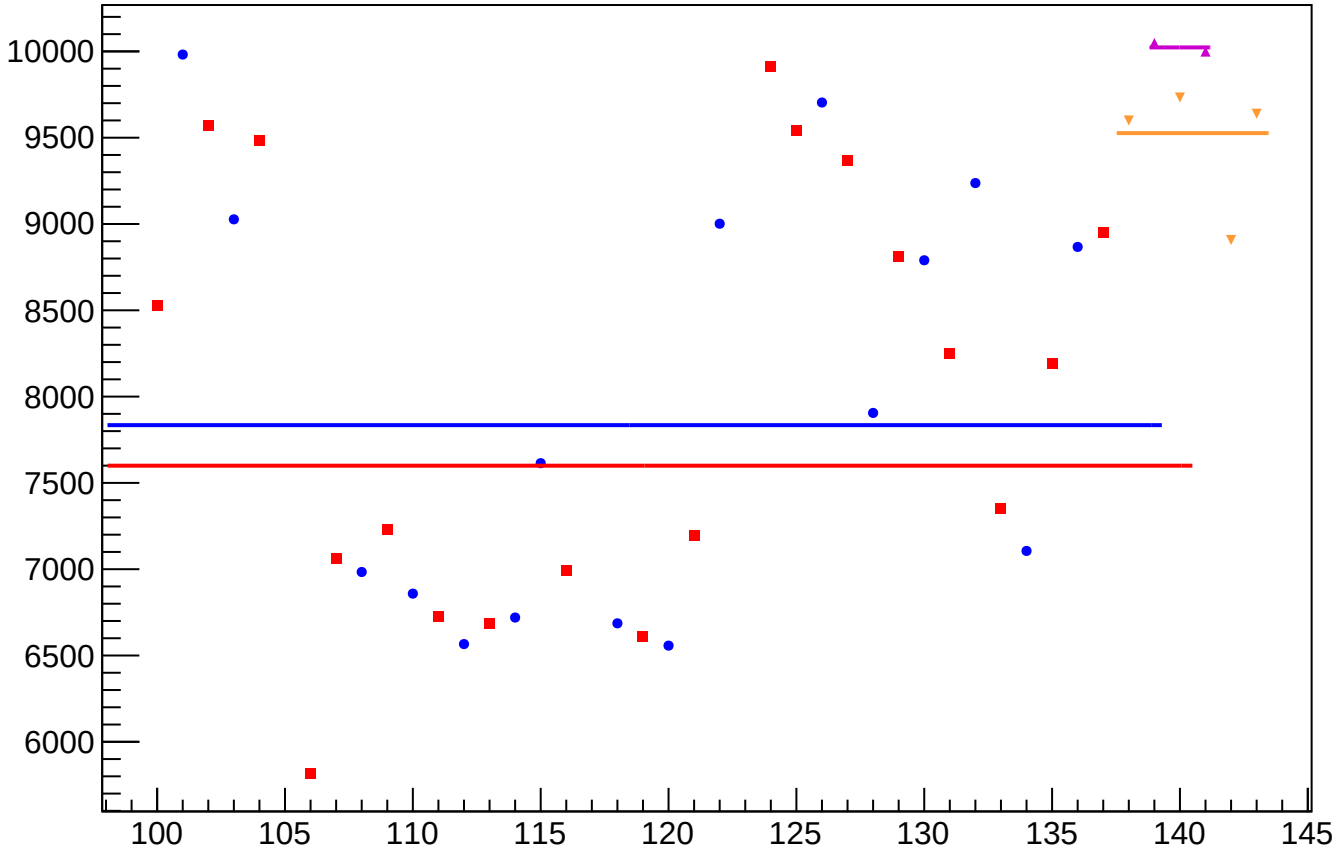
Left In: 25.457+/-7.658 χ^2/NDF:0.6/1

+ sign 16.229+/-2.615 χ^2/NDF: 55.1/19

All: 6.436+/-1.857 χ^2/NDF: 130.0/40

- sign -3.532+/-2.638 χ^2/NDF: 46.6/20

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9526.597+/-3.986 χ^2/NDF:5288.7/3

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

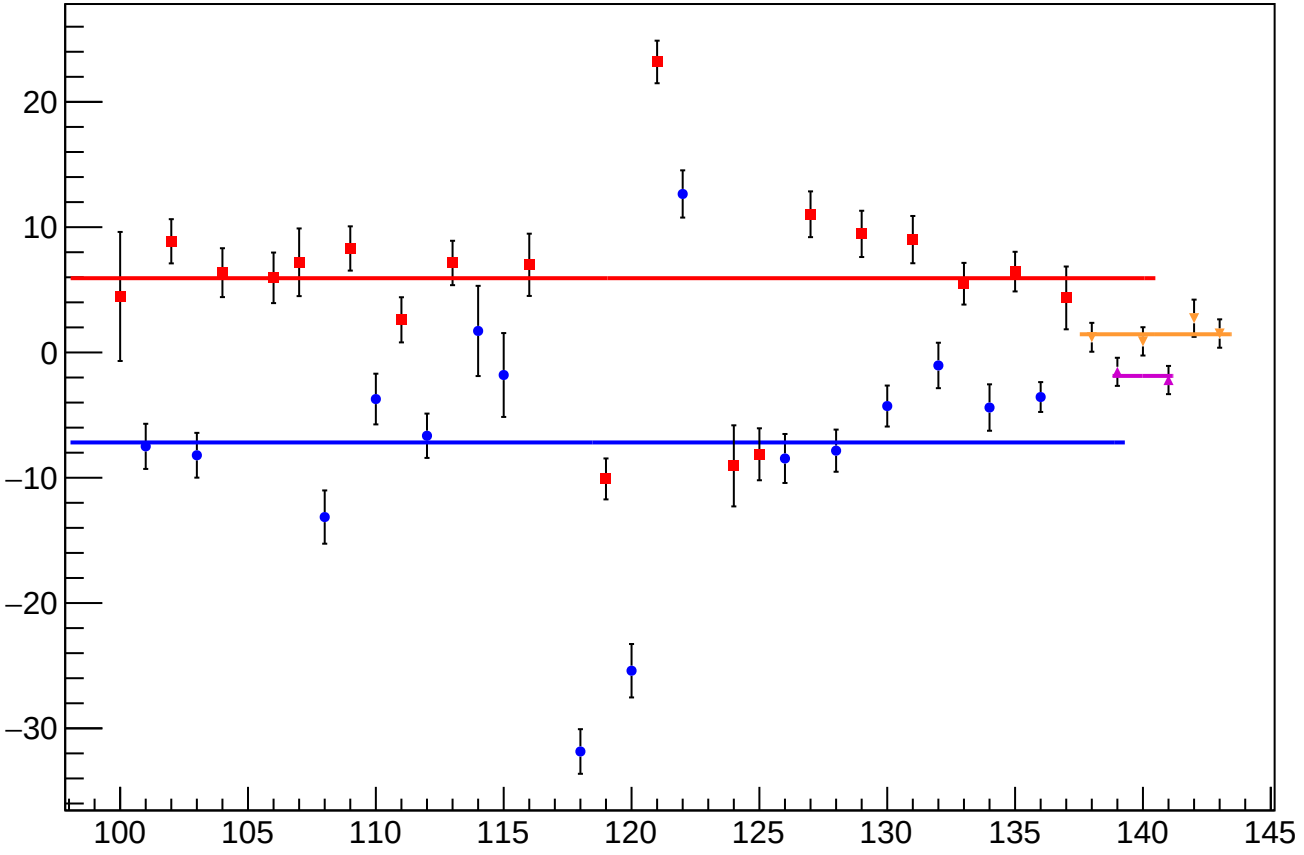
Left In: 10023.058+/-5.415 χ^2/NDF:20.9/1

+ sign 8198.729+/-1.849 χ^2/NDF: 464790.2/19

All: 8044.420+/-1.313 χ^2/NDF: 999651.2/40

- sign 7887.348+/-1.866 χ^2/NDF: 520807.7/20

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.452+/-0.601 χ^2/NDF:1.0/3

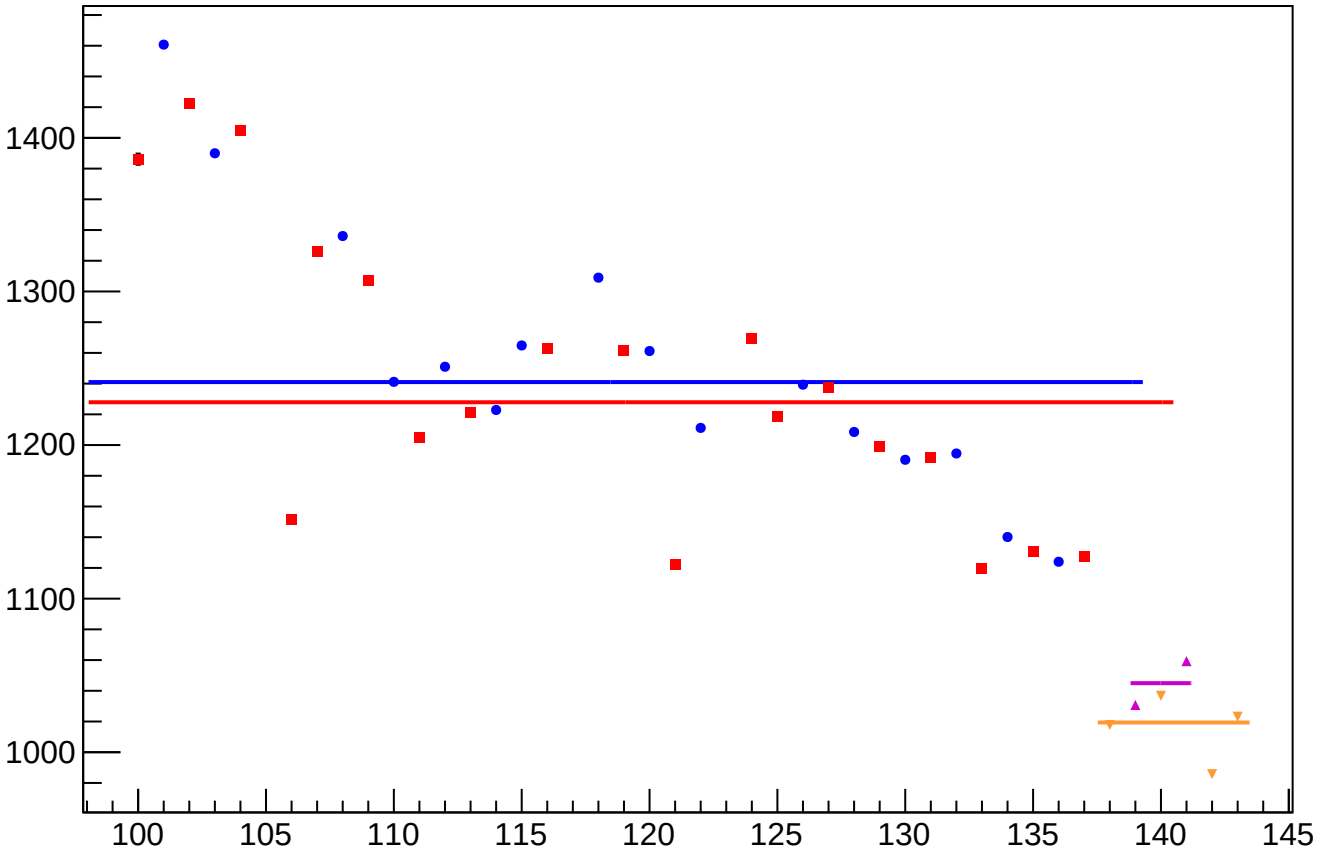
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -1.872+/-0.795 χ^2/NDF:0.2/1

\+ sign -3.973+/-0.366 χ^2/NDF: 553.0/19

All: -0.226+/-0.267 χ^2/NDF: 1140.0/40

\- sign 4.040+/-0.391 χ^2/NDF: 363.5/20



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1019.365+/-0.425 χ^2/NDF:1526.1/3

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

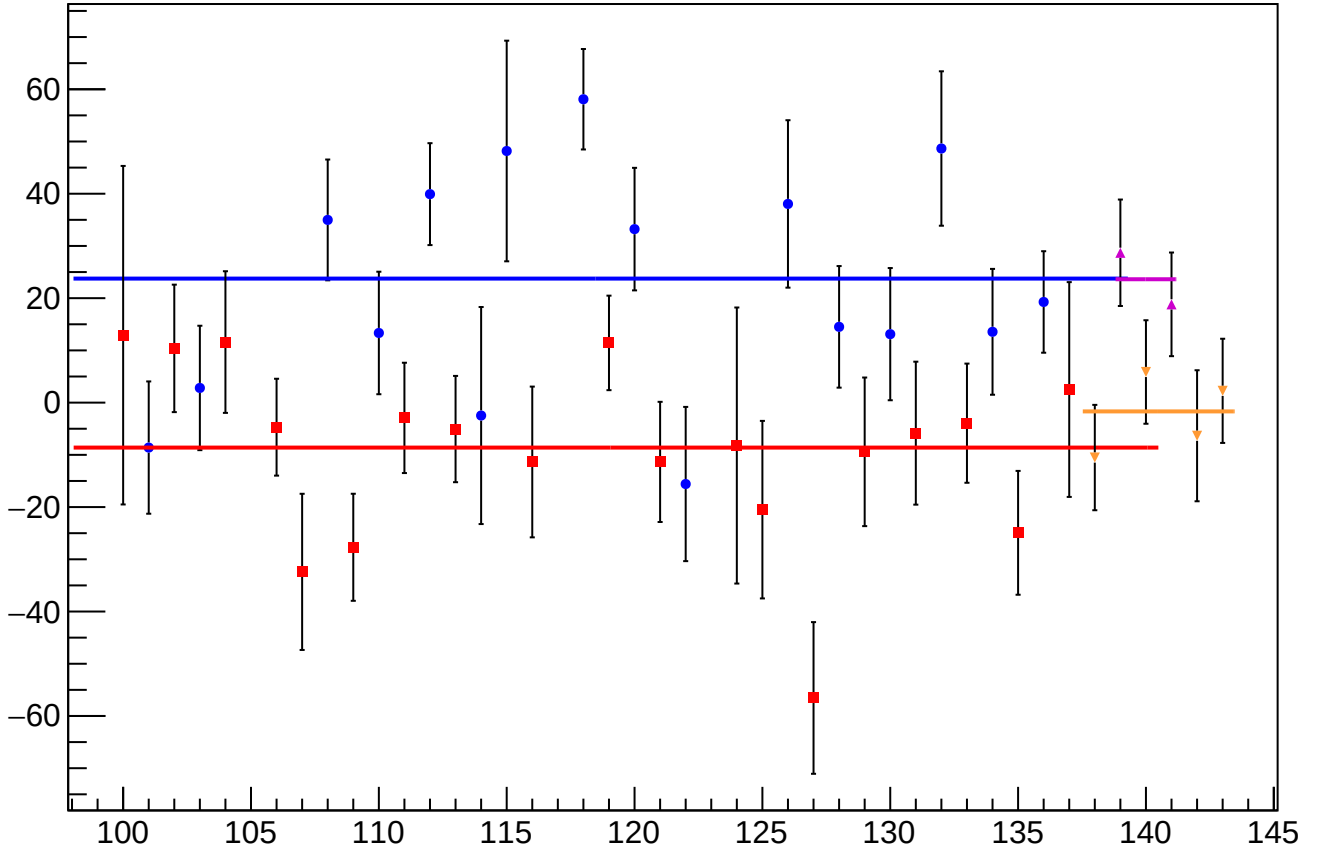
Left In: 1044.973+/-0.562 χ^2/NDF:644.5/1

+ sign 1158.607+/-0.259 χ^2/NDF: 253063.5/19

All: 1170.294+/-0.189 χ^2/NDF: 420647.0/40

- sign 1183.603+/-0.277 χ^2/NDF: 163232.8/20

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -1.682+/-5.240 χ^2/NDF:1.6/3

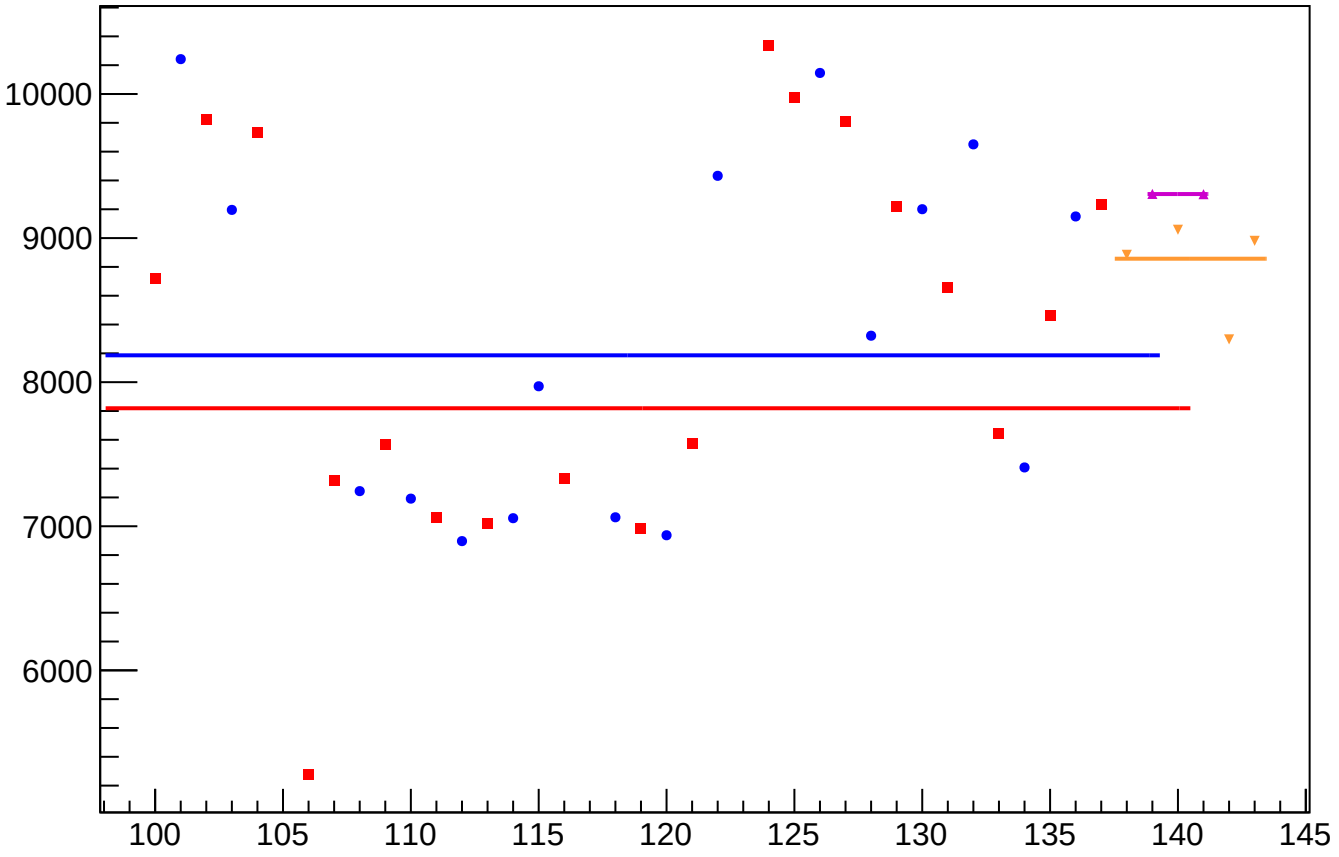
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 23.625+/-7.110 χ^2/NDF:0.5/1

+ sign 17.215+/-2.656 χ^2/NDF: 62.6/19

All: 6.713+/-1.888 χ^2/NDF: 142.7/40

- sign -4.014+/-2.684 χ^2/NDF: 48.6/20



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8856.896+/-3.705 χ^2/NDF:5130.2/3

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

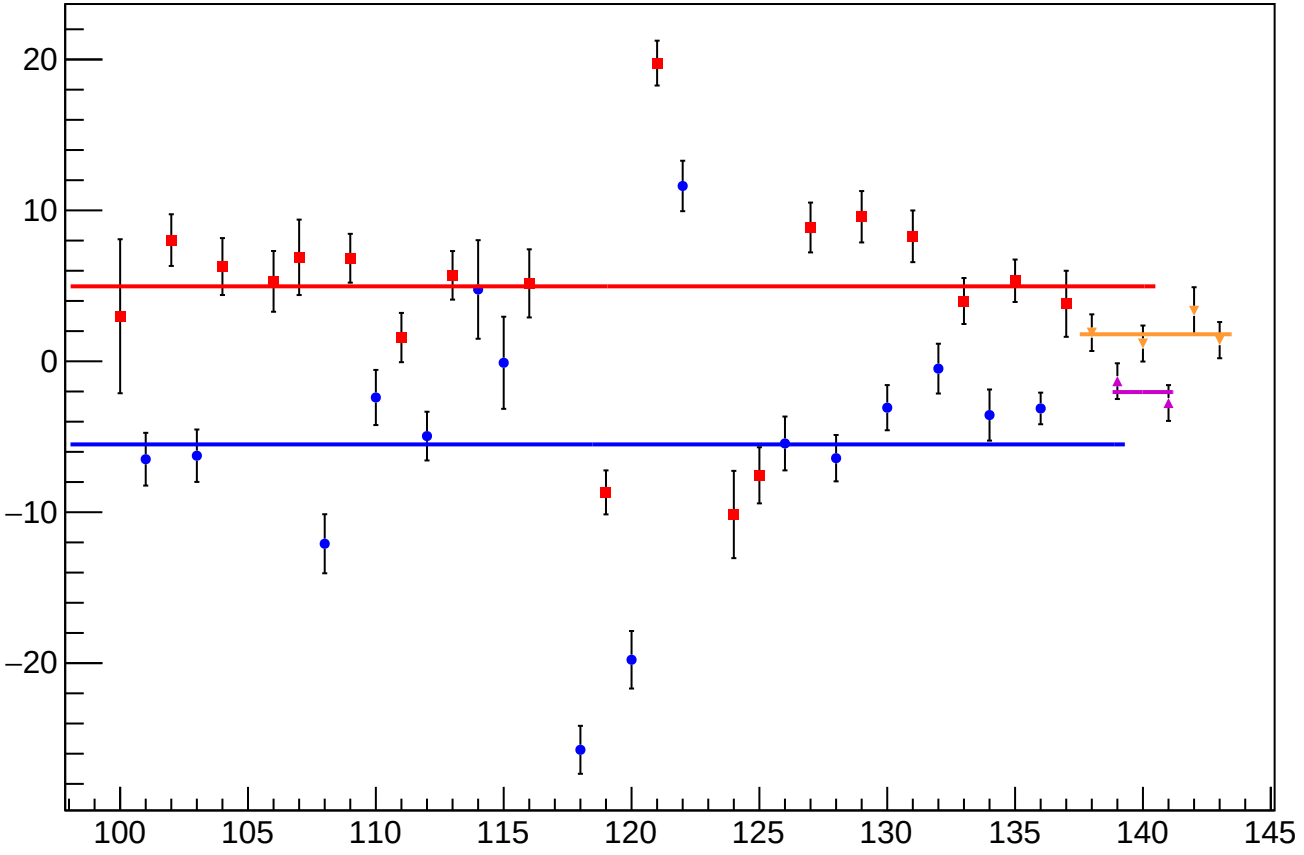
Left In: 9305.678+/-5.028 χ^2/NDF:0.0/1

+ sign 8358.644+/-1.878 χ^2/NDF: 320092.1/19

All: 8196.497+/-1.335 χ^2/NDF: 833131.9/40

- sign 8030.882+/-1.898 χ^2/NDF: 497974.6/20

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.792+/-0.635 χ^2/NDF:1.4/3

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

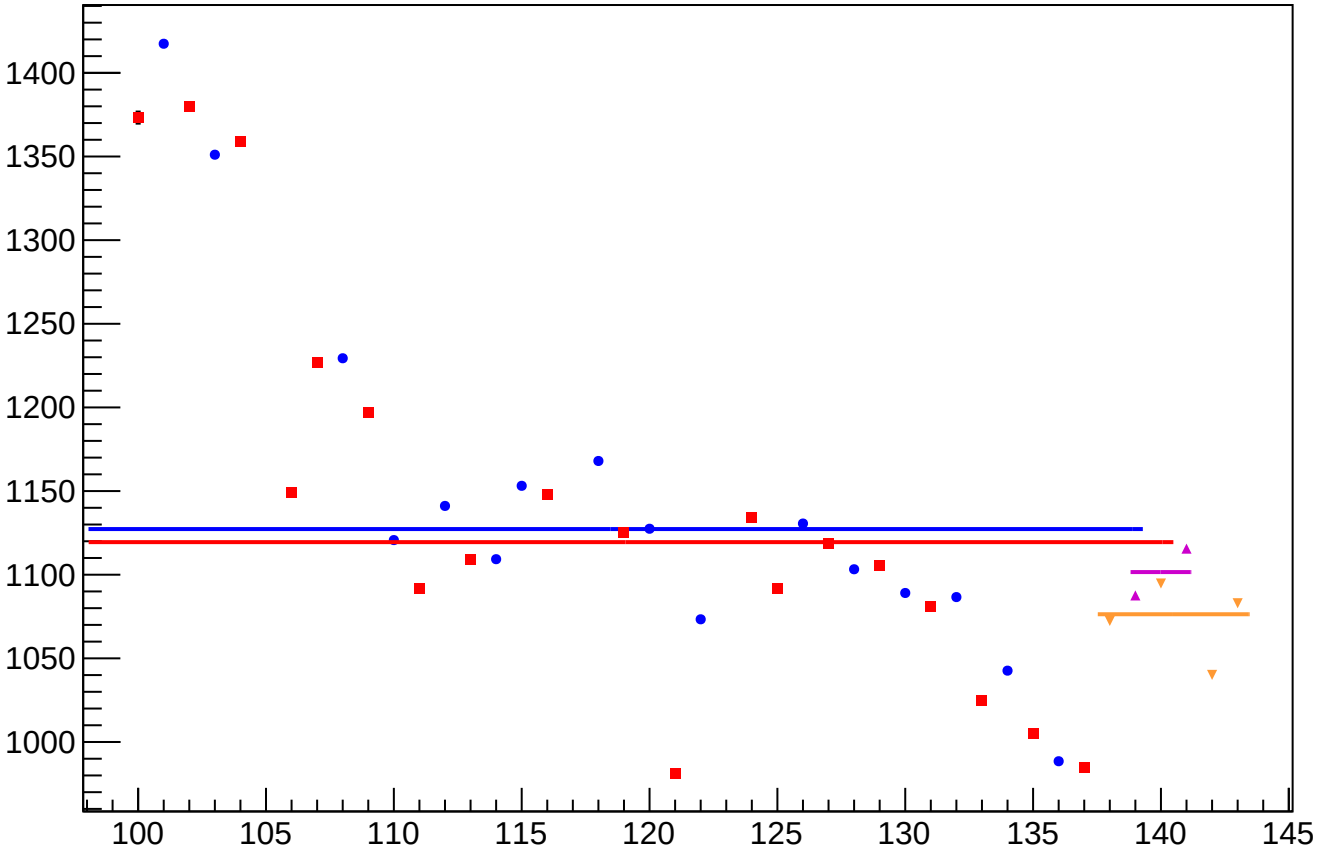
Left In: -2.038+/-0.838 χ^2/NDF:0.7/1

+ sign -3.277+/-0.351 χ^2/NDF: 463.0/19

All: -0.002+/-0.254 χ^2/NDF: 990.8/40

- sign 3.612+/-0.369 χ^2/NDF: 344.4/20

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1076.364+/-0.449 χ^2/NDF:1627.3/3

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

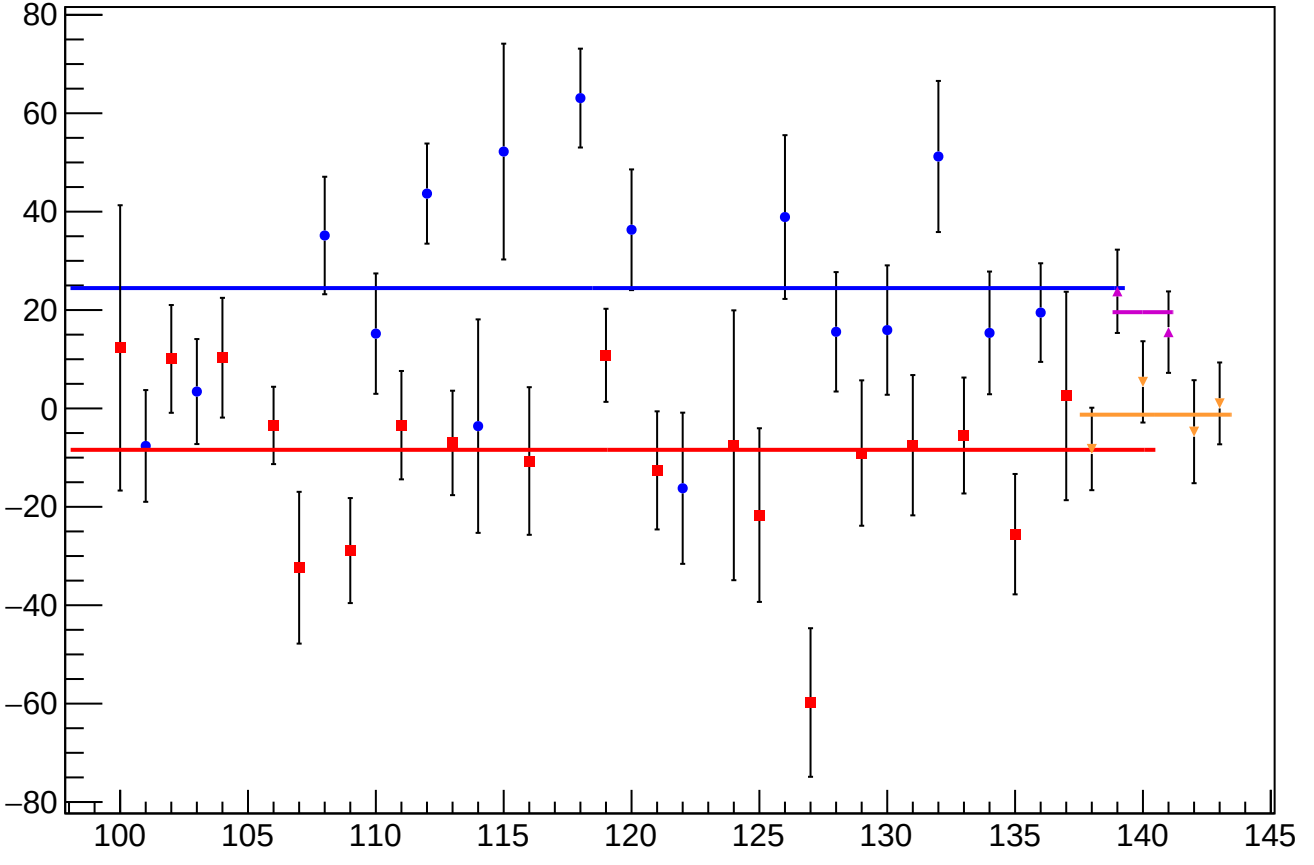
Left In: 1101.575+/-0.593 χ^2/NDF:557.4/1

+ sign 1111.733+/-0.248 χ^2/NDF: 151188.0/19

All: 1113.766+/-0.180 χ^2/NDF: 293358.9/40

- sign 1116.011+/-0.261 χ^2/NDF: 142029.4/20

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -1.268+/-4.366 χ^2/NDF:1.5/3

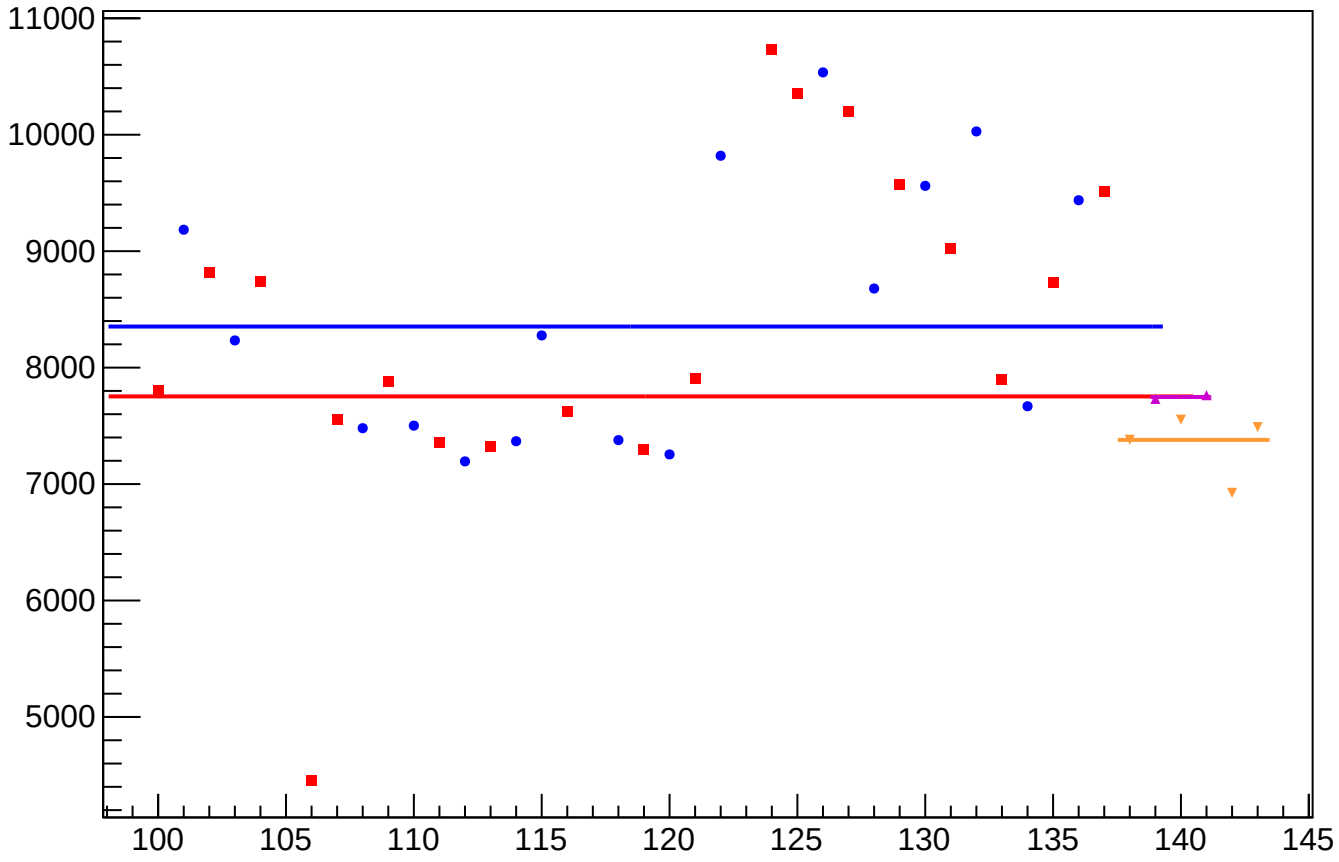
Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: 19.566+/-5.920 χ^2/NDF:0.5/1

+ sign 15.705+/-2.547 χ^2/NDF: 72.8/19

All: 6.524+/-1.819 χ^2/NDF: 148.9/40

- sign -3.025+/-2.598 χ^2/NDF: 49.7/20



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7379.436+/-3.087 χ^2/NDF:5002.4/3

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

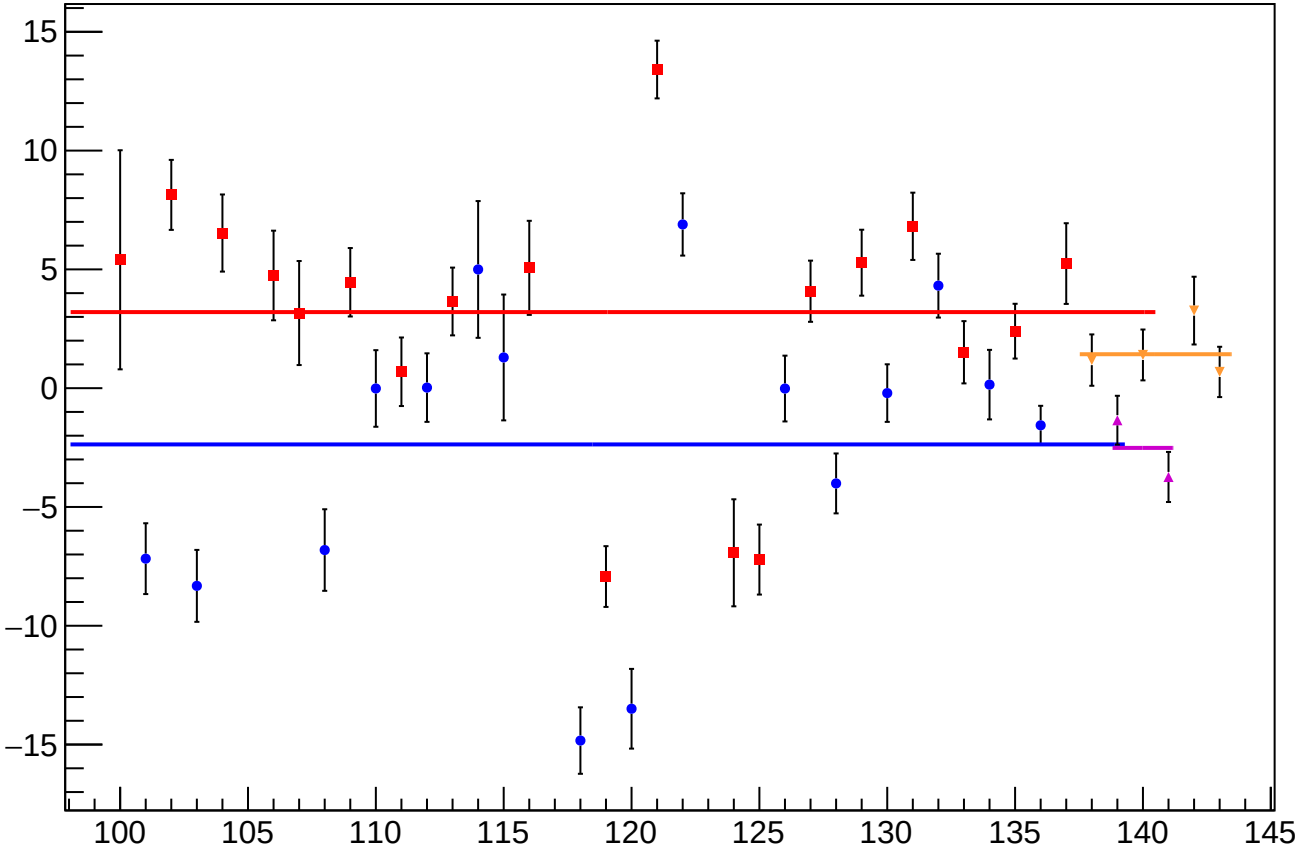
Left In: 7747.588+/-4.186 χ^2/NDF:14.4/1

+ sign 8021.453+/-1.801 χ^2/NDF: 290987.6/19

All: 7889.229+/-1.286 χ^2/NDF: 890071.3/40

- sign 7751.694+/-1.837 χ^2/NDF: 588087.7/20

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 1.429+/-0.567 χ^2/NDF:2.2/3

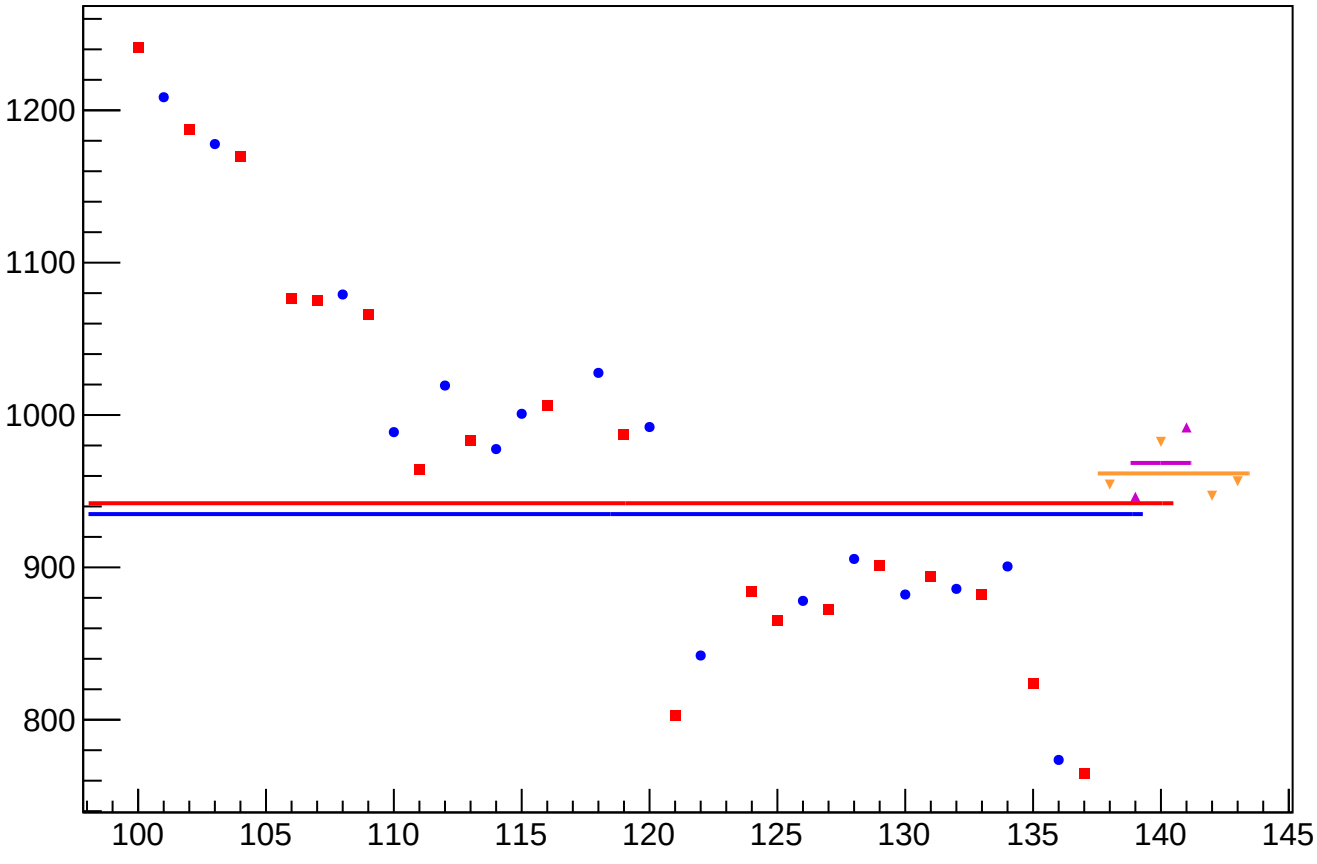
Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: -2.514+/-0.736 χ^2/NDF:2.6/1

+ sign -1.317+/-0.298 χ^2/NDF: 290.2/19

All: 0.337+/-0.216 χ^2/NDF: 657.6/40

- sign 2.167+/-0.313 χ^2/NDF: 302.5/20



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 961.667+/-0.401 χ^2/NDF:1099.8/3

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

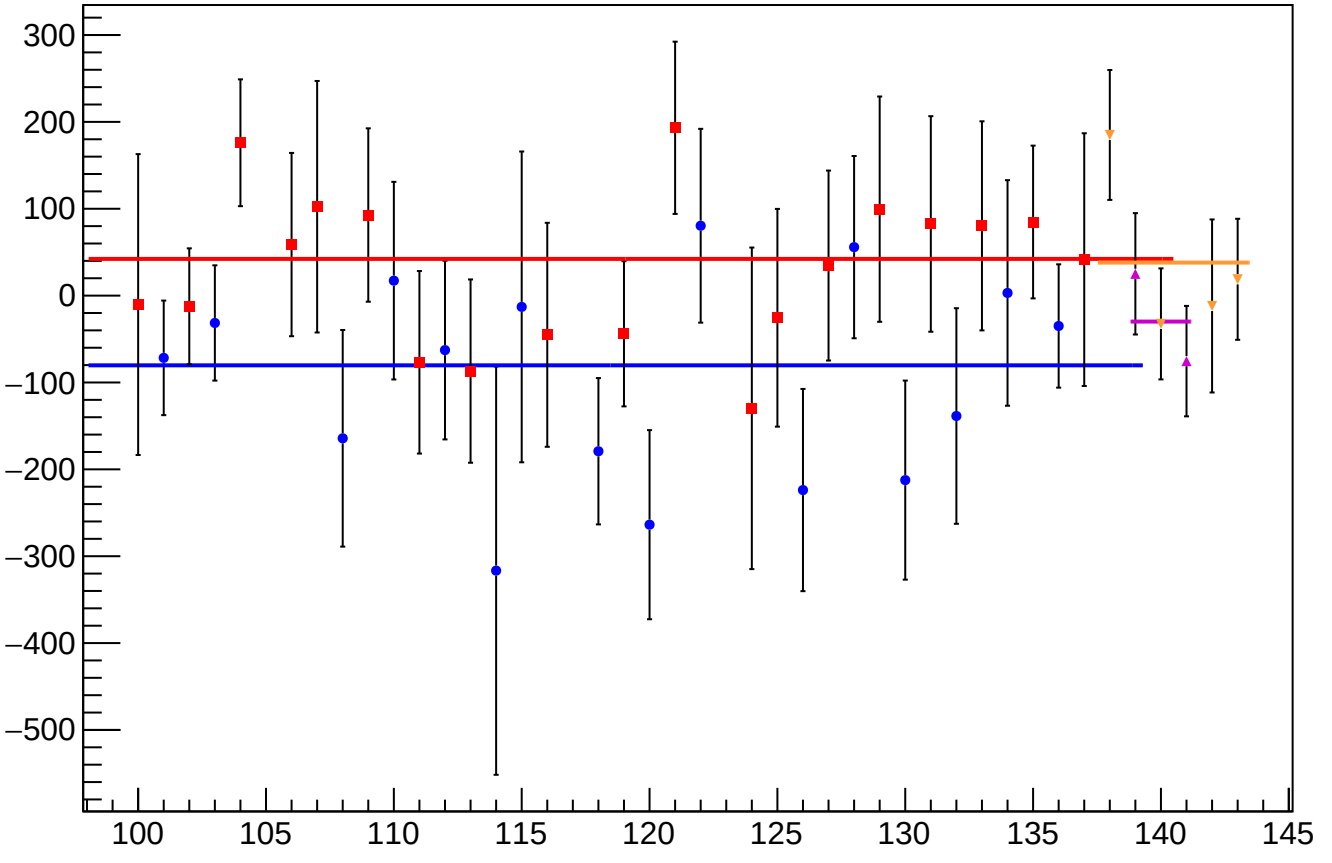
Left In: 968.553+/-0.521 χ^2/NDF:1908.0/1

+ sign 942.357+/-0.211 χ^2/NDF: 258672.5/19

All: 944.509+/-0.153 χ^2/NDF: 495367.7/40

- sign 946.889+/-0.222 χ^2/NDF: 236475.7/20

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 38.024+/-36.997 χ^2/NDF:5.4/3

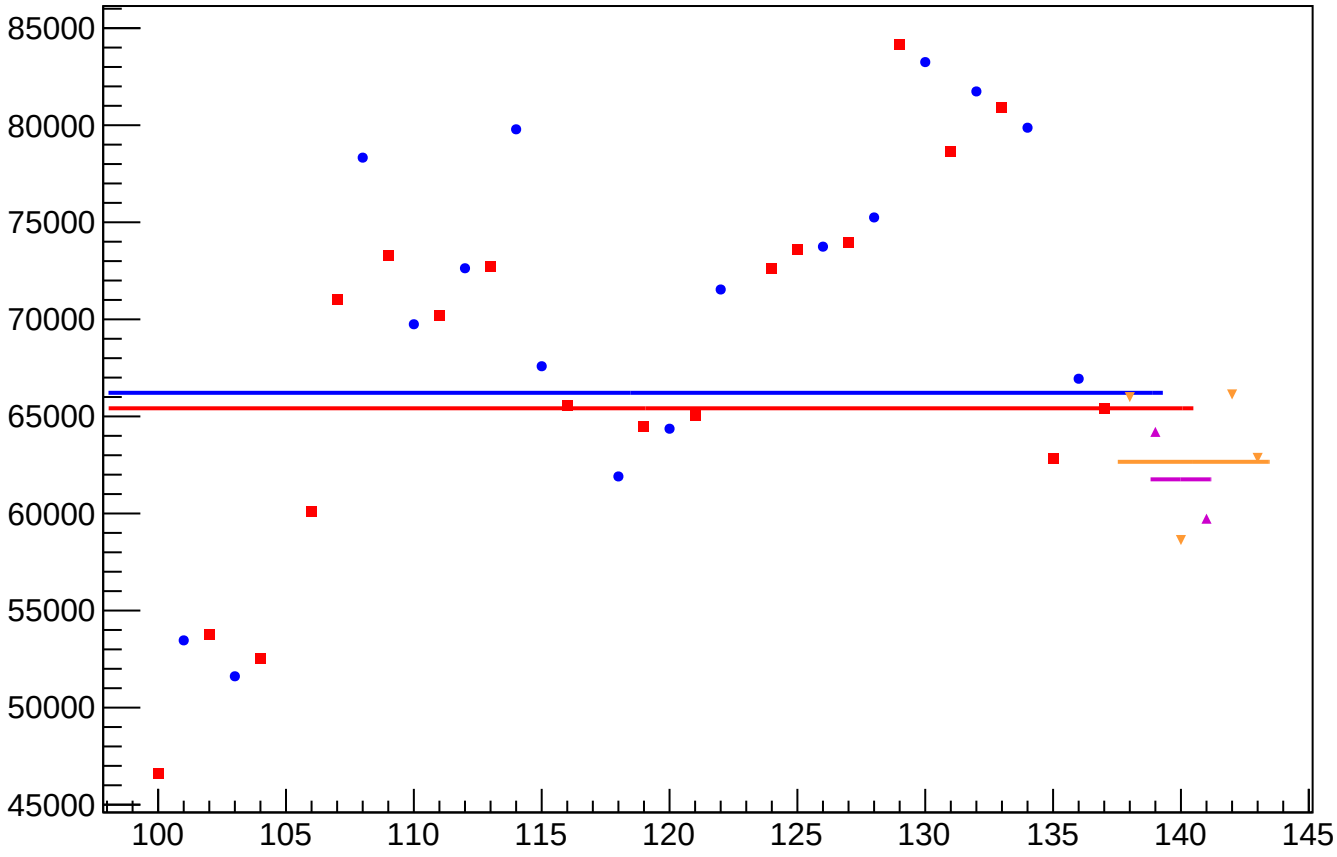
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -29.885+/-47.020 χ^2/NDF:1.1/1

\+ sign -43.360+/-20.662 χ^2/NDF: 27.2/19

All: -9.441+/-14.891 χ^2/NDF: 48.8/40

\- sign 27.209+/-21.478 χ^2/NDF: 16.0/20



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 62662.252+/-26.161 χ^2/NDF:14368.7/3

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

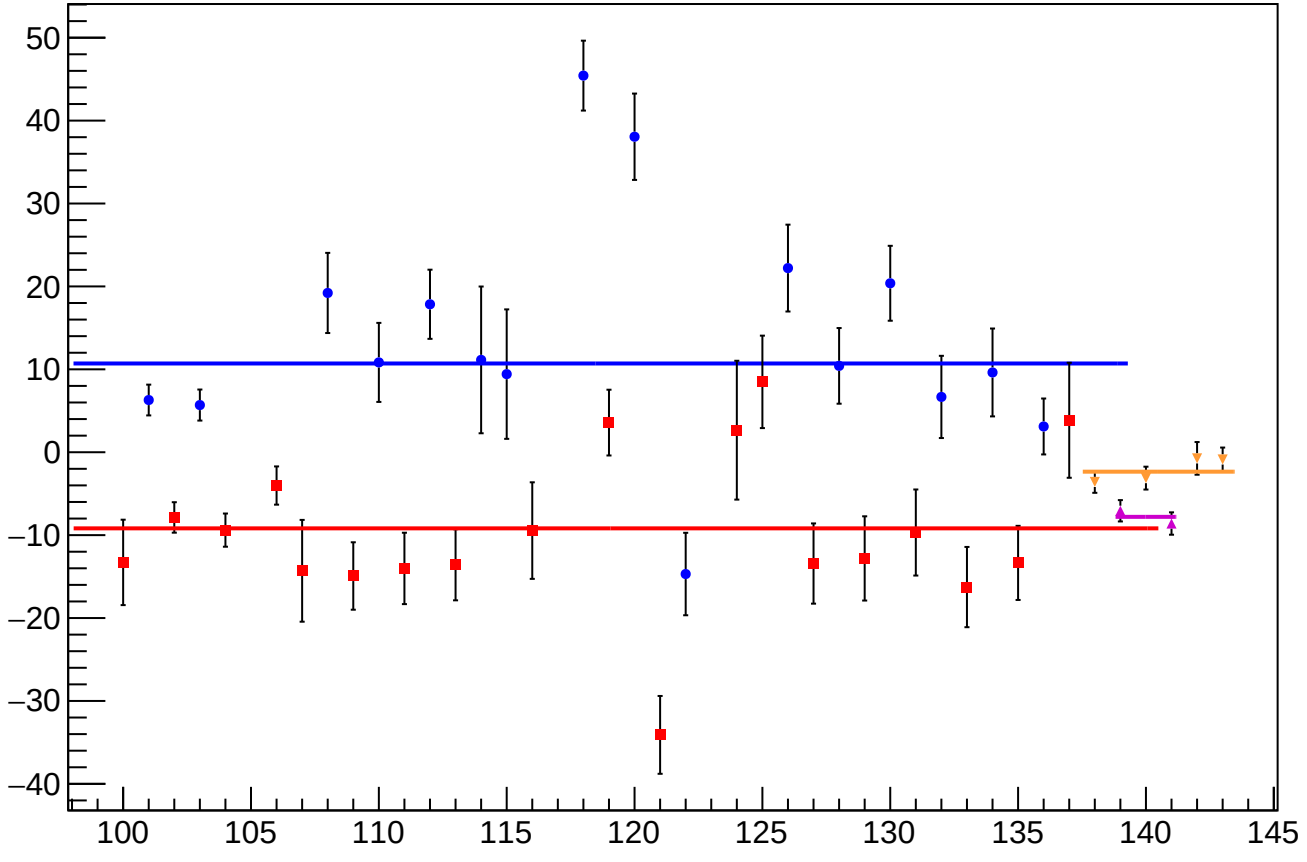
Left In: 61758.573+/-33.248 χ^2/NDF:4482.5/1

+ sign 65107.640+/-14.610 χ^2/NDF: 365444.6/19

All: 64890.005+/-10.529 χ^2/NDF: 684533.9/4

- sign 64654.842+/-15.187 χ^2/NDF: 318627.7/20

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -2.346+/-0.735 χ^2/NDF:2.9/3

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

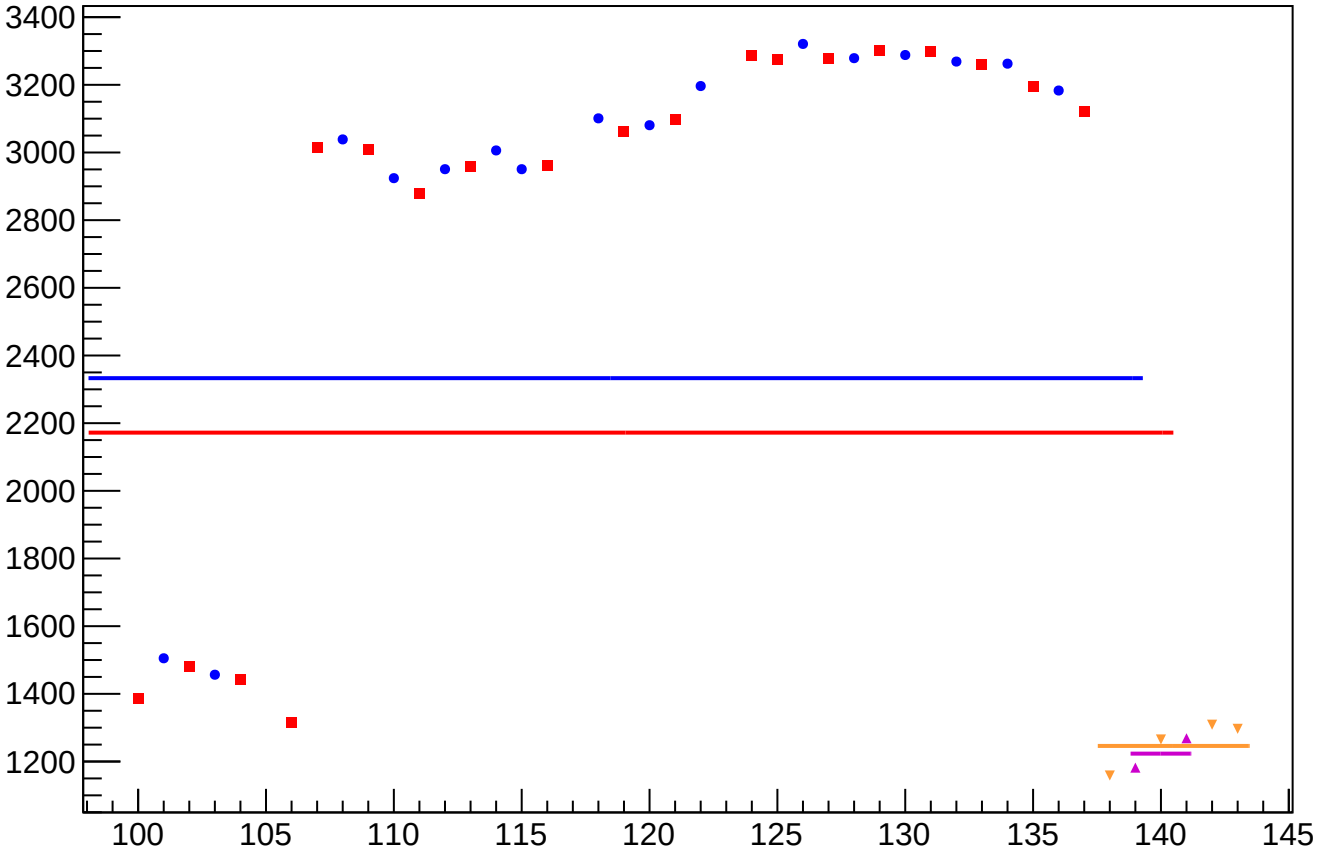
Left In: -7.794+/-0.931 χ^2/NDF:0.7/1

+ sign 2.738+/-0.575 χ^2/NDF: 281.2/19

All: -2.407+/-0.424 χ^2/NDF: 528.6/40

- sign -8.552+/-0.628 χ^2/NDF: 71.5/20

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1246.048+/-0.520 χ^2/NDF:13748.9/3

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

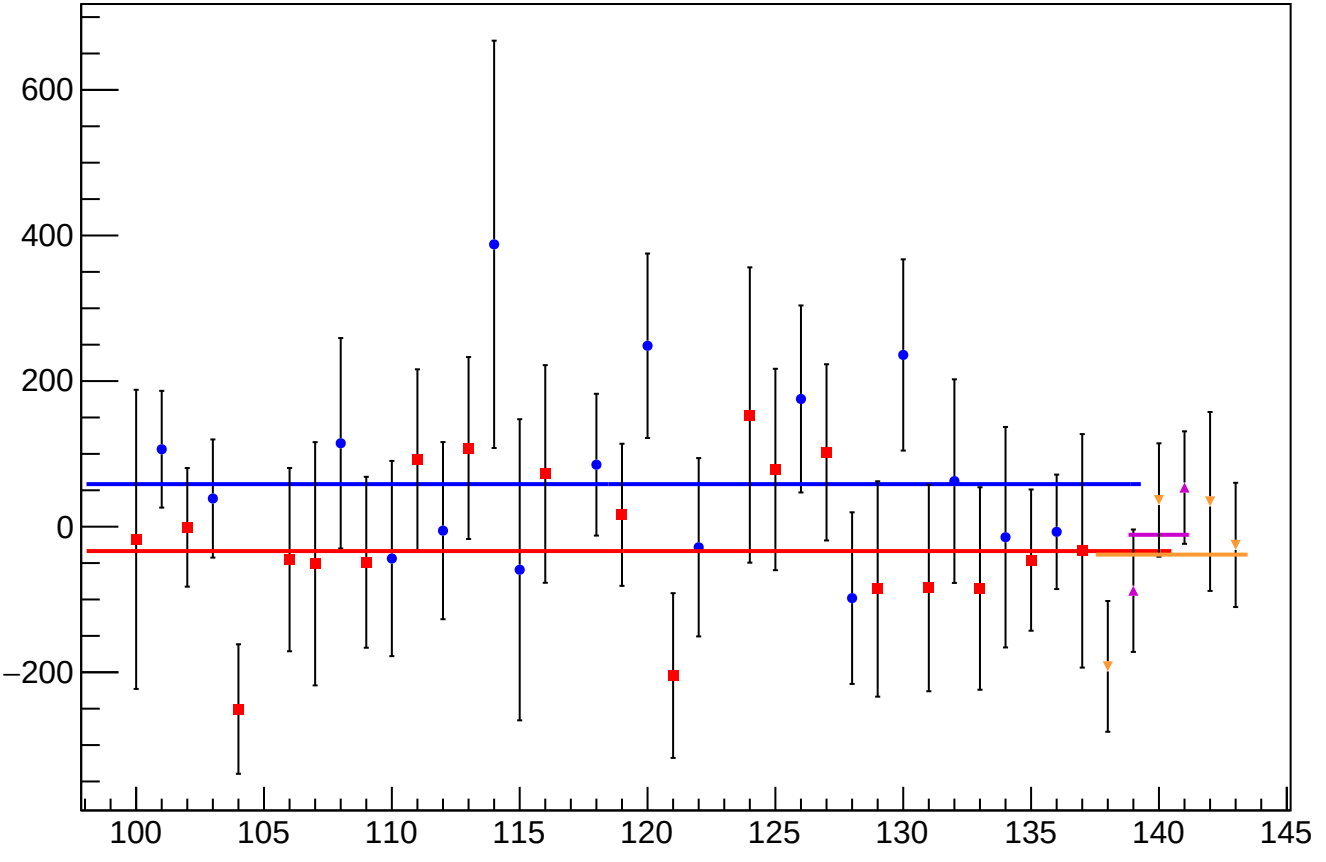
Left In: 1223.297+/-0.659 χ^2/NDF:4327.1/1

+ sign 1669.485+/-0.406 χ^2/NDF: 3367387.2/19

All: 1701.984+/-0.300 χ^2/NDF: 6502170.1/40

- sign 1740.794+/-0.444 χ^2/NDF: 3120742.2/20

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -38.369+/-45.069 χ^2/NDF:4.2/3

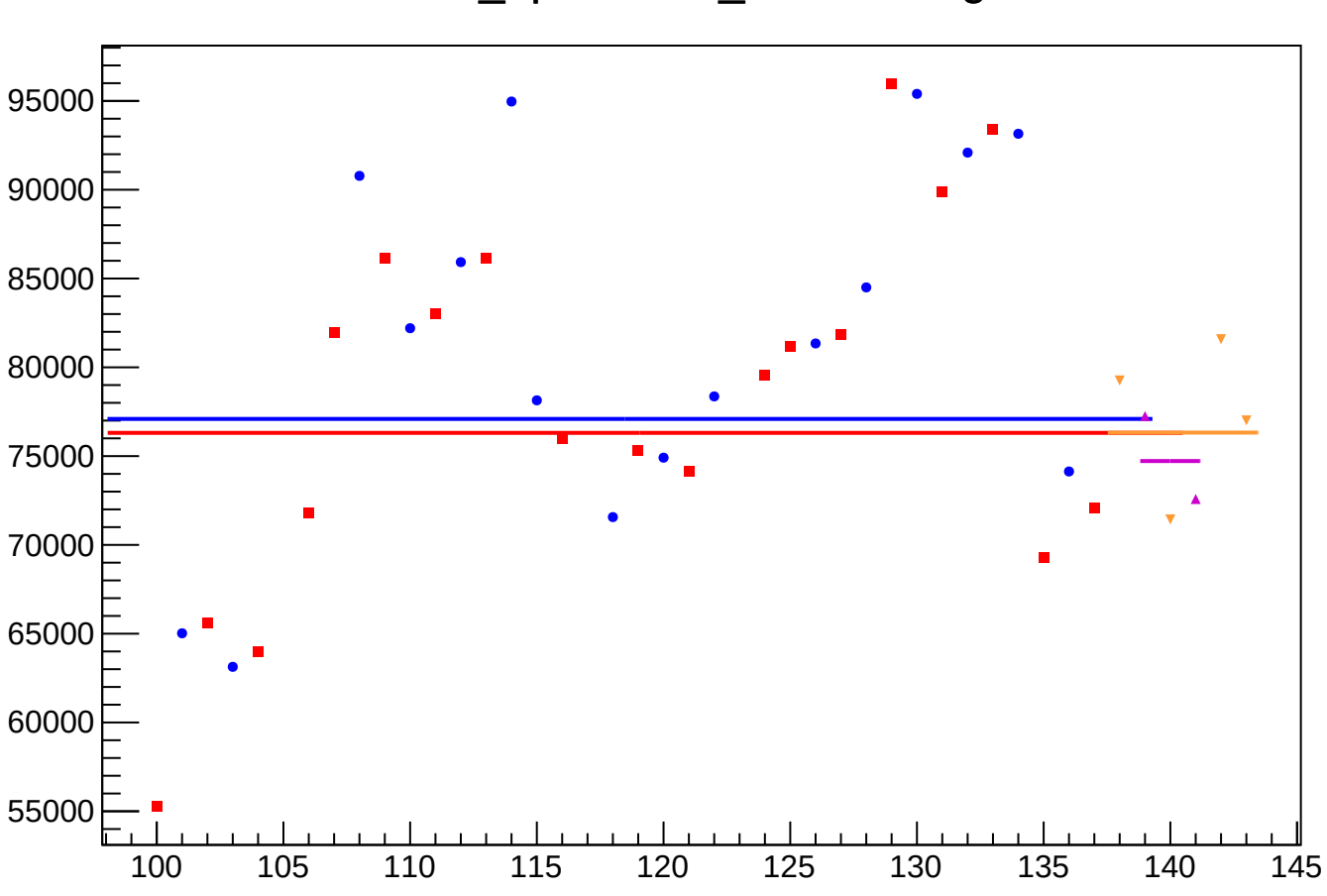
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -11.156+/-56.894 χ^2/NDF:1.5/1

+ sign 30.212+/-24.338 χ^2/NDF: 18.8/19

All: 1.570+/-17.506 χ^2/NDF: 38.0/40

- sign -29.133+/-25.199 χ^2/NDF: 16.3/20



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 76325.031+/-31.869 χ^2/NDF:13805.5/3

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

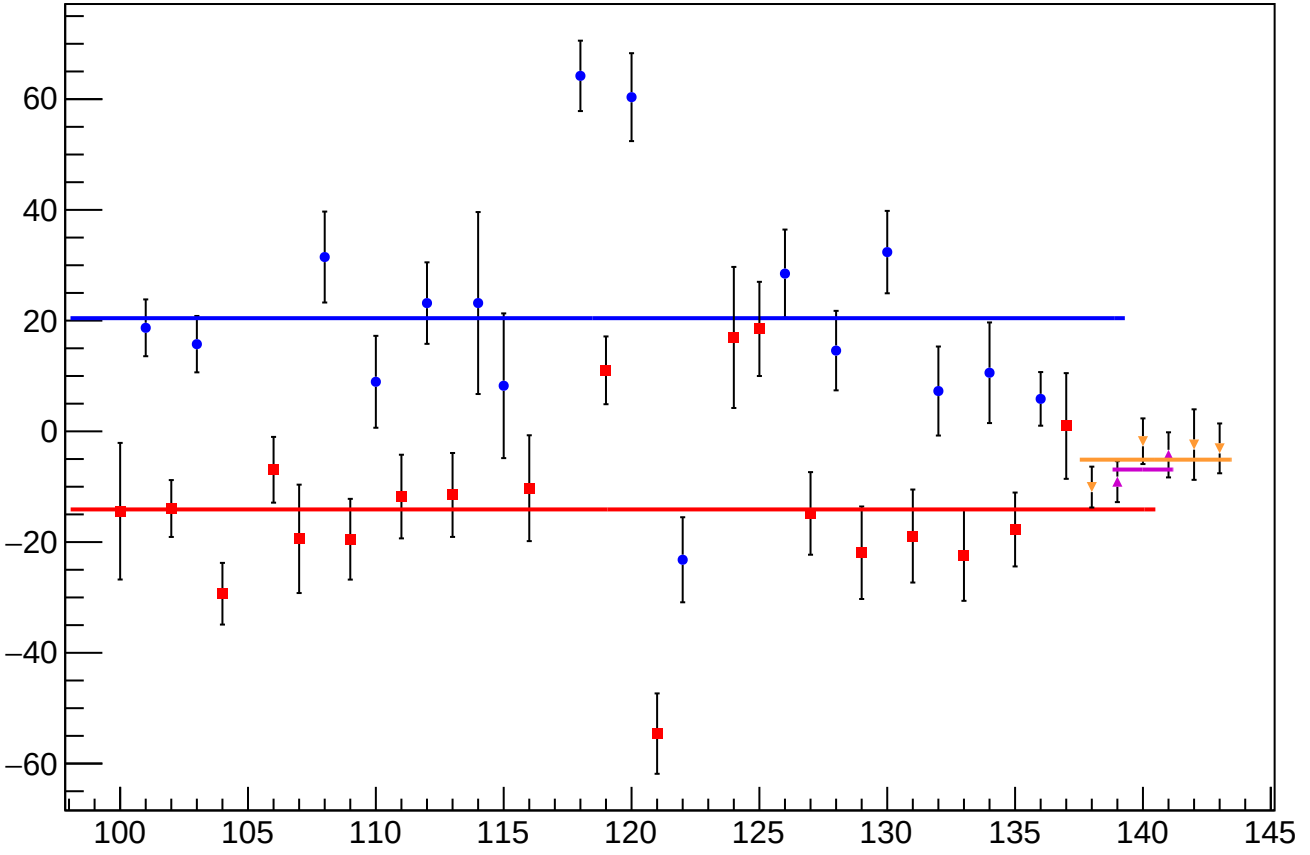
Left In: 74722.352+/-40.230 χ^2/NDF:3341.2/1

+ sign 76869.128+/-17.210 χ^2/NDF: 262759.8/19

All: 76448.454+/-12.379 χ^2/NDF: 503022.0/4

- sign 75997.521+/-17.818 χ^2/NDF: 239024.2/20

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.113+/-2.202 χ^2/NDF:2.8/3

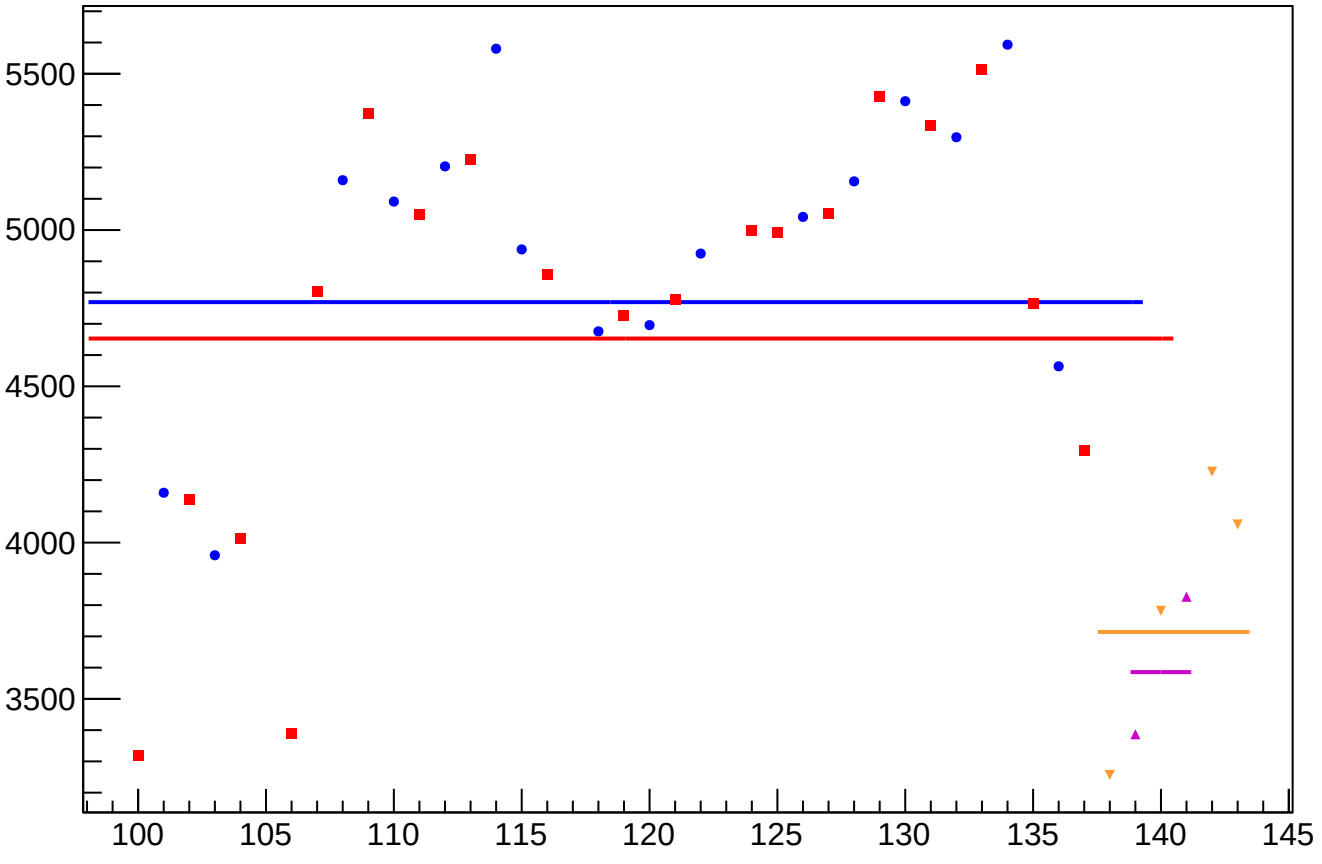
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -6.898+/-2.739 χ^2/NDF:0.8/1

+ sign 10.326+/-1.385 χ^2/NDF: 212.1/19

All: -0.341+/-1.002 χ^2/NDF: 426.1/40

- sign -12.075+/-1.453 χ^2/NDF: 89.5/20



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3714.176+/-1.557 χ^2/NDF:55958.8/3

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

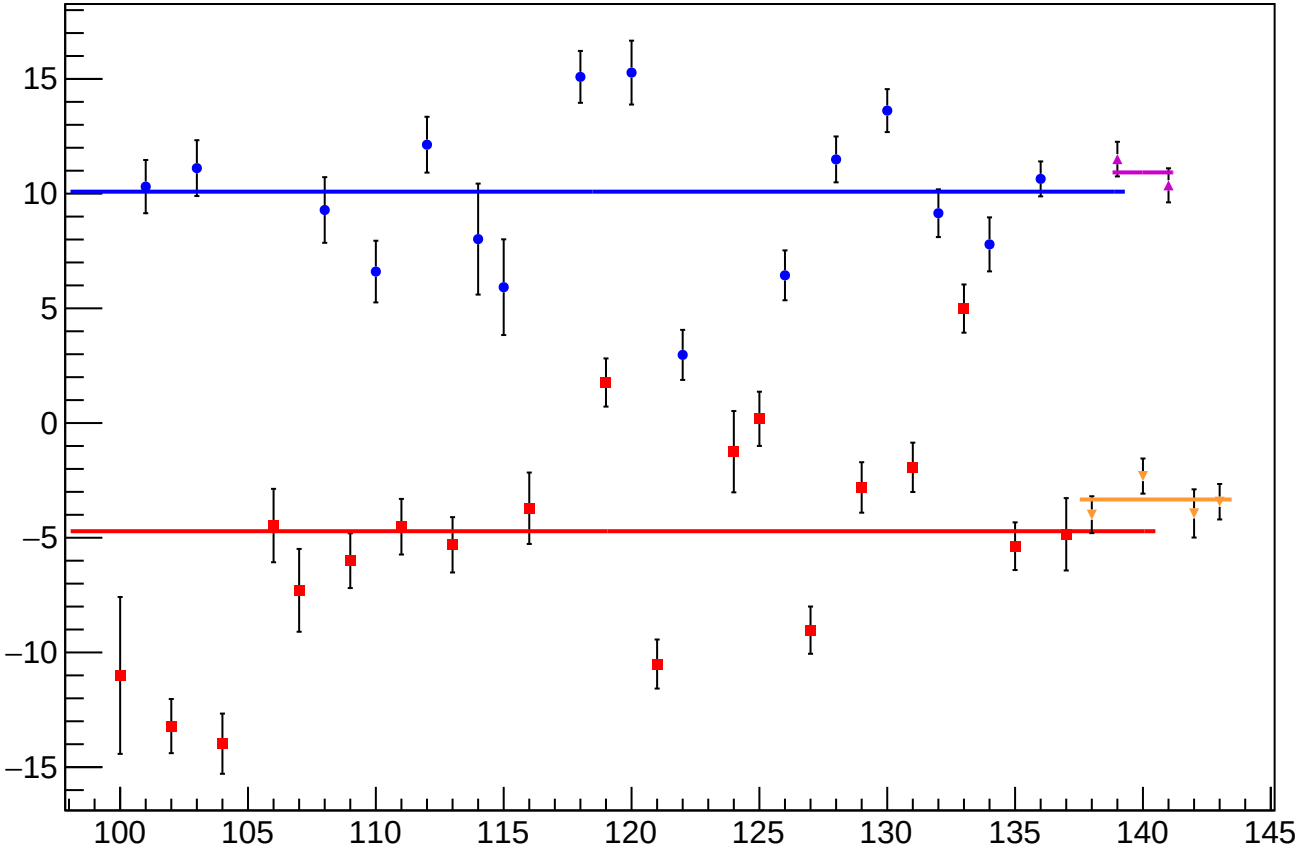
Left In: 3585.682+/-1.937 χ^2/NDF:12785.7/1

+ sign 4351.698+/-0.979 χ^2/NDF: 485230.4/19

All: 4352.153+/-0.709 χ^2/NDF: 981404.9/40

- sign 4352.653+/-1.027 χ^2/NDF: 496174.0/20

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.332+/-0.414 χ^2/NDF:2.8/3

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

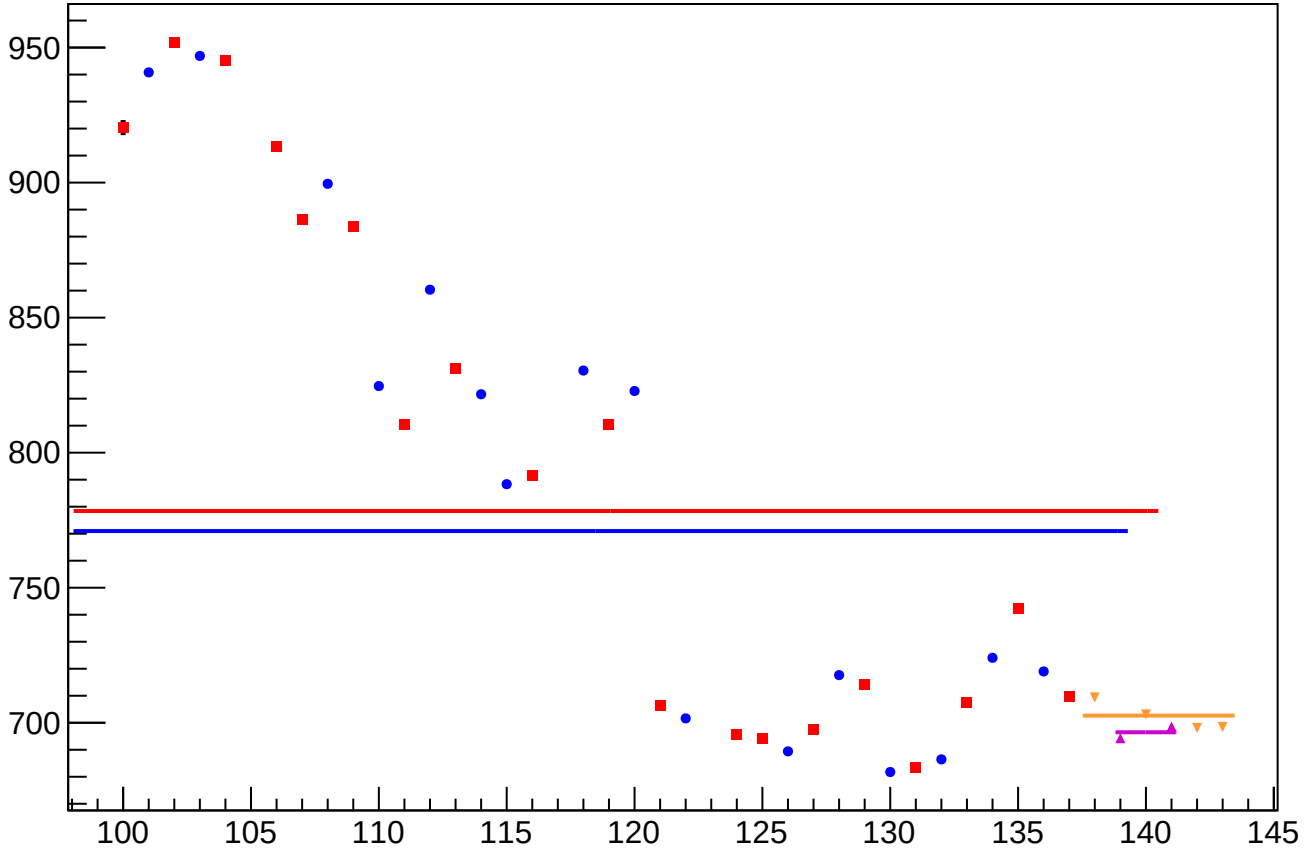
Left In: 10.925+/-0.529 χ^2/NDF:1.2/1

+ sign 5.705+/-0.237 χ^2/NDF: 833.7/19

All: 2.469+/-0.172 χ^2/NDF: 2219.3/40

- sign -1.185+/-0.251 χ^2/NDF: 987.5/20

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 702.644+/-0.293 χ^2/NDF:236.9/3

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

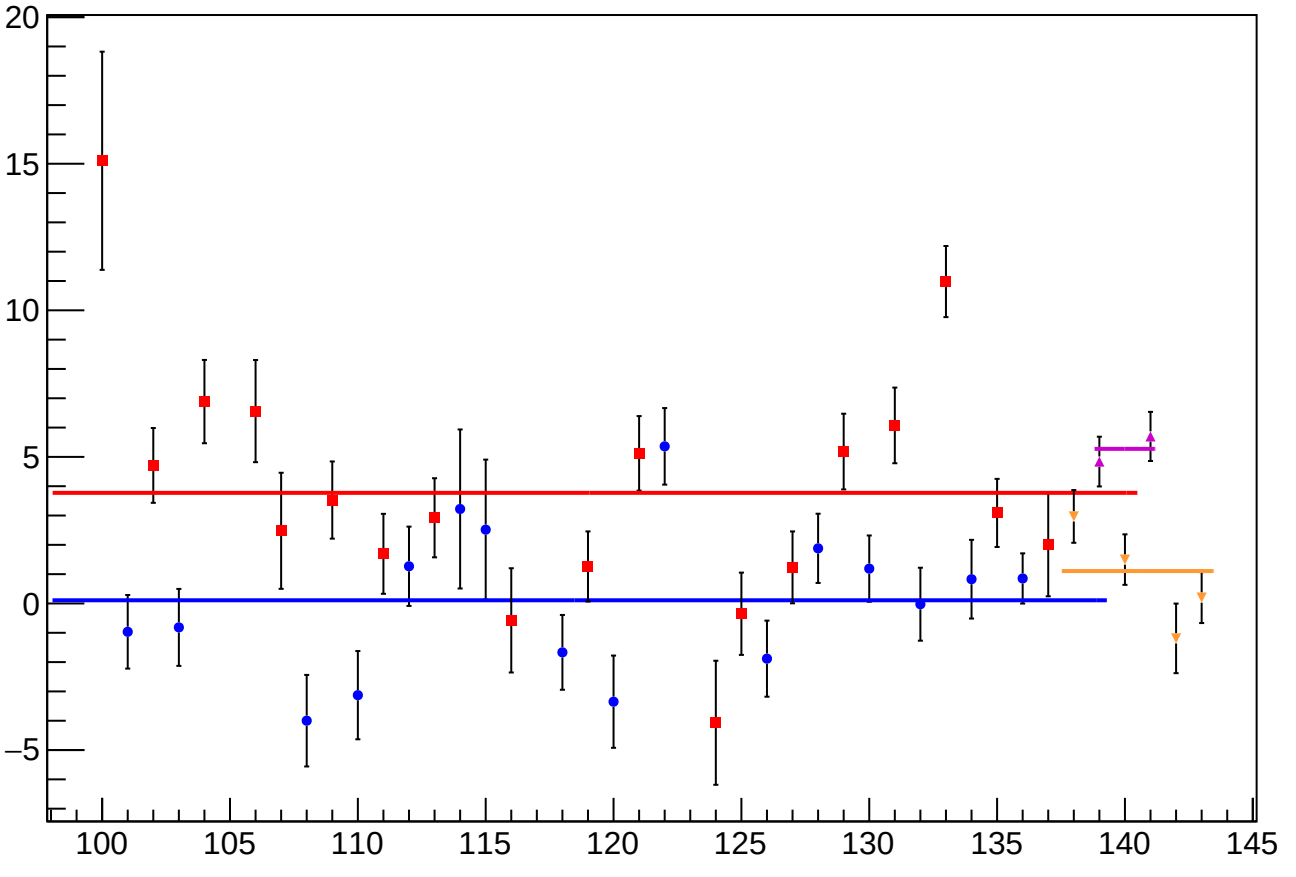
Left In: 696.472+/-0.374 χ^2/NDF:32.9/1

+ sign 748.662+/-0.167 χ^2/NDF: 229813.8/19

All: 753.942+/-0.122 χ^2/NDF: 465613.0/40

- sign 759.902+/-0.178 χ^2/NDF: 233679.9/20

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.106+/-0.465 χ^2/NDF:9.3/3

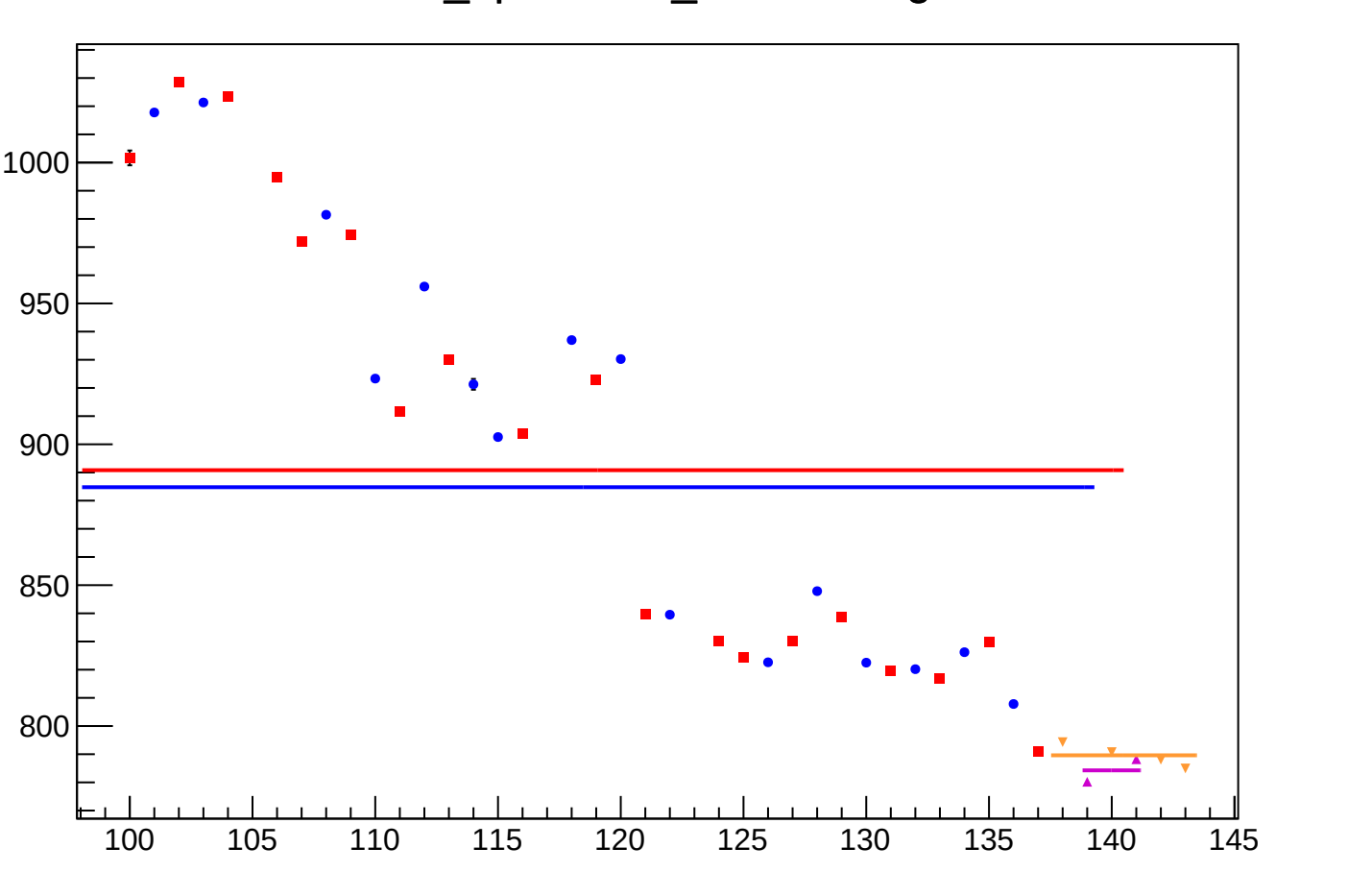
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 5.274+/-0.596 χ^2/NDF:0.5/1

\+ sign 0.442+/-0.269 χ^2/NDF: 57.7/19

All: 2.169+/-0.196 χ^2/NDF: 250.4/40

\- sign 4.119+/-0.286 χ^2/NDF: 105.0/20



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 789.610+/-0.329 χ^2/NDF:118.4/3

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

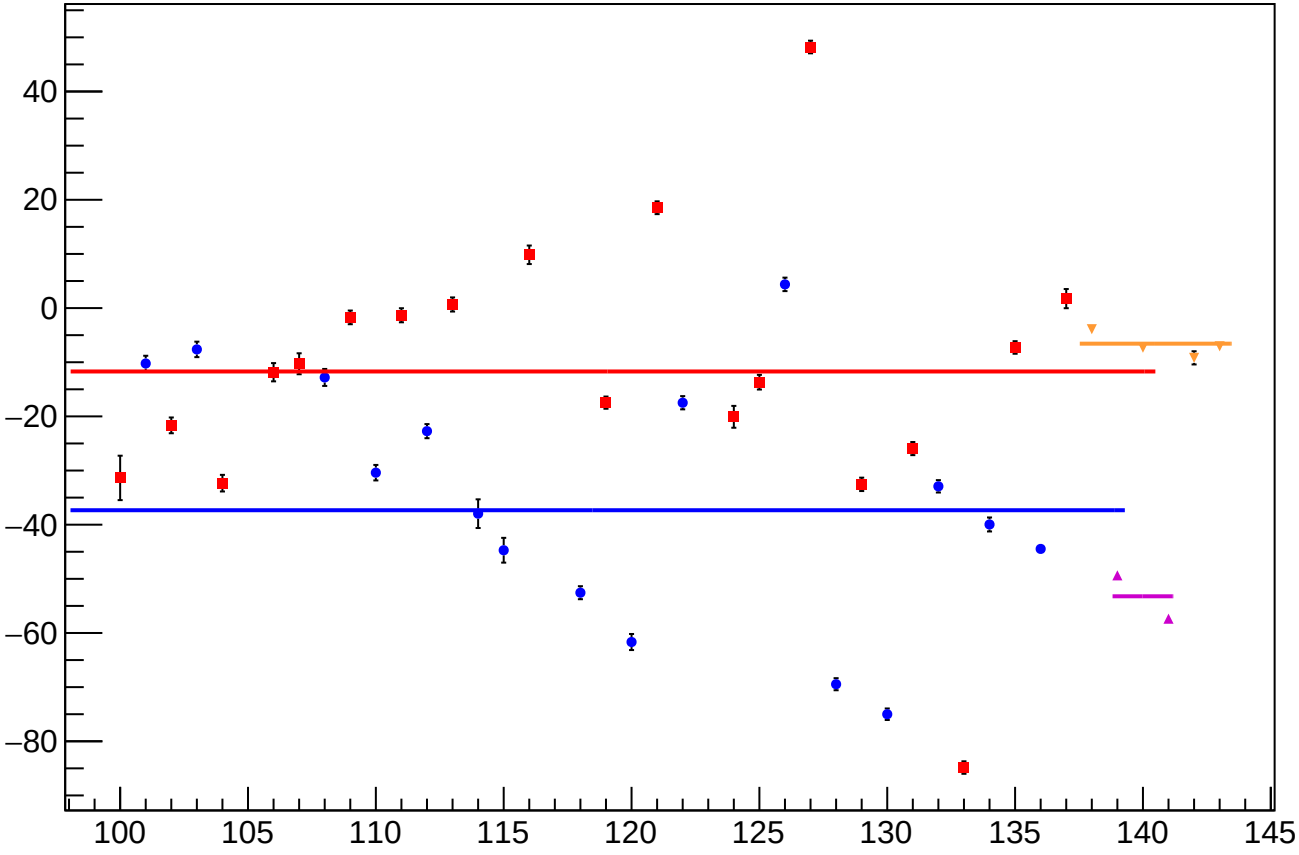
Left In: 784.267+/-0.421 χ^2/NDF:90.1/1

+ sign 852.945+/-0.190 χ^2/NDF: 160272.6/19

All: 859.203+/-0.139 χ^2/NDF: 319620.2/40

- sign 866.274+/-0.202 χ^2/NDF: 157044.1/20

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -6.571+/-0.473 χ^2/NDF:14.6/3

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

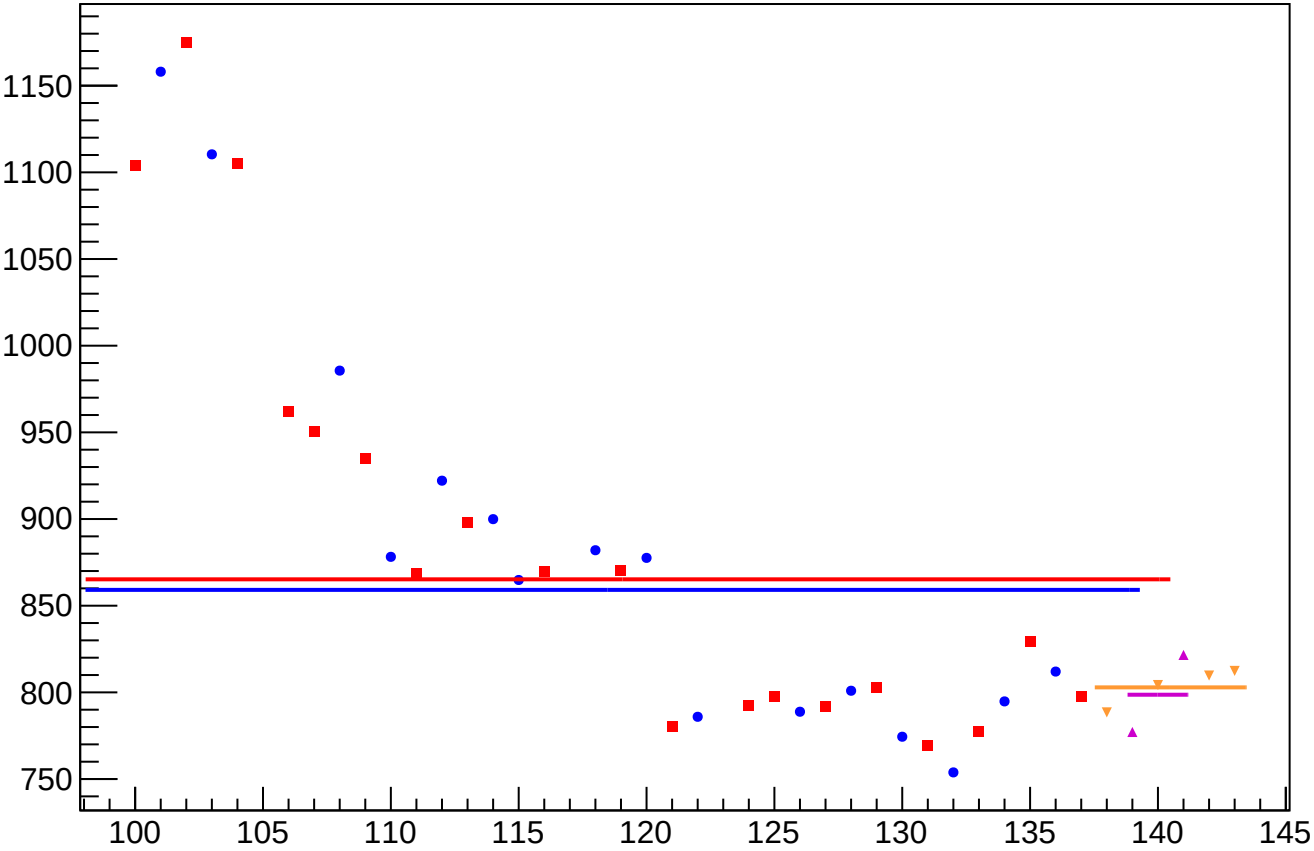
Left In: -53.224+/-0.607 χ^2/NDF:43.4/1

+ sign -27.605+/-0.266 χ^2/NDF: 8089.2/19

All: -24.320+/-0.193 χ^2/NDF: 20589.3/40

- sign -20.640+/-0.282 χ^2/NDF: 12177.0/20

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 802.881+/-0.335 χ^2/NDF:812.8/3

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

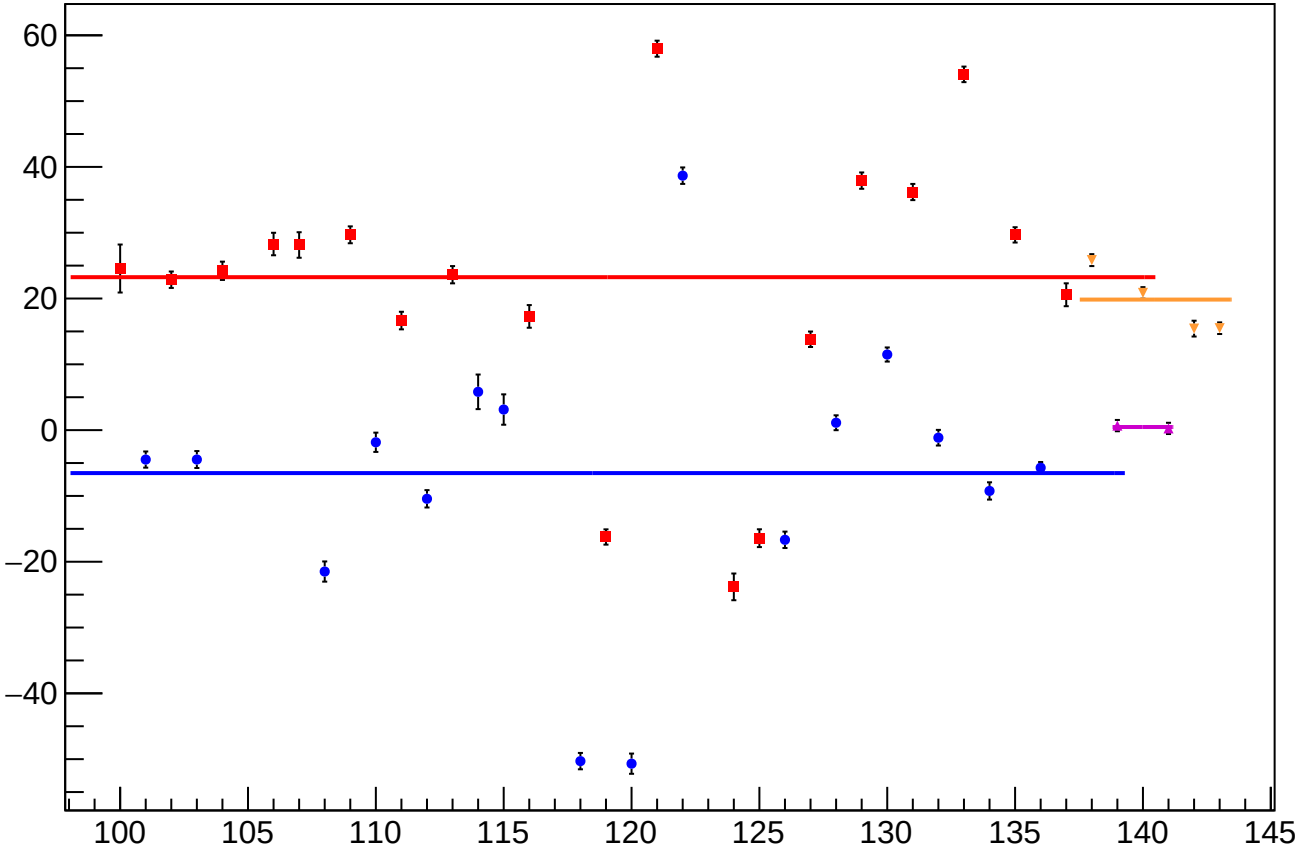
Left In: 798.637+/-0.429 χ^2/NDF:2676.8/1

+ sign 841.343+/-0.188 χ^2/NDF: 248848.1/19

All: 845.844+/-0.137 χ^2/NDF: 495281.4/40

- sign 850.887+/-0.199 χ^2/NDF: 245219.6/20

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 19.839+/-0.472 χ^2/NDF:82.8/3

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

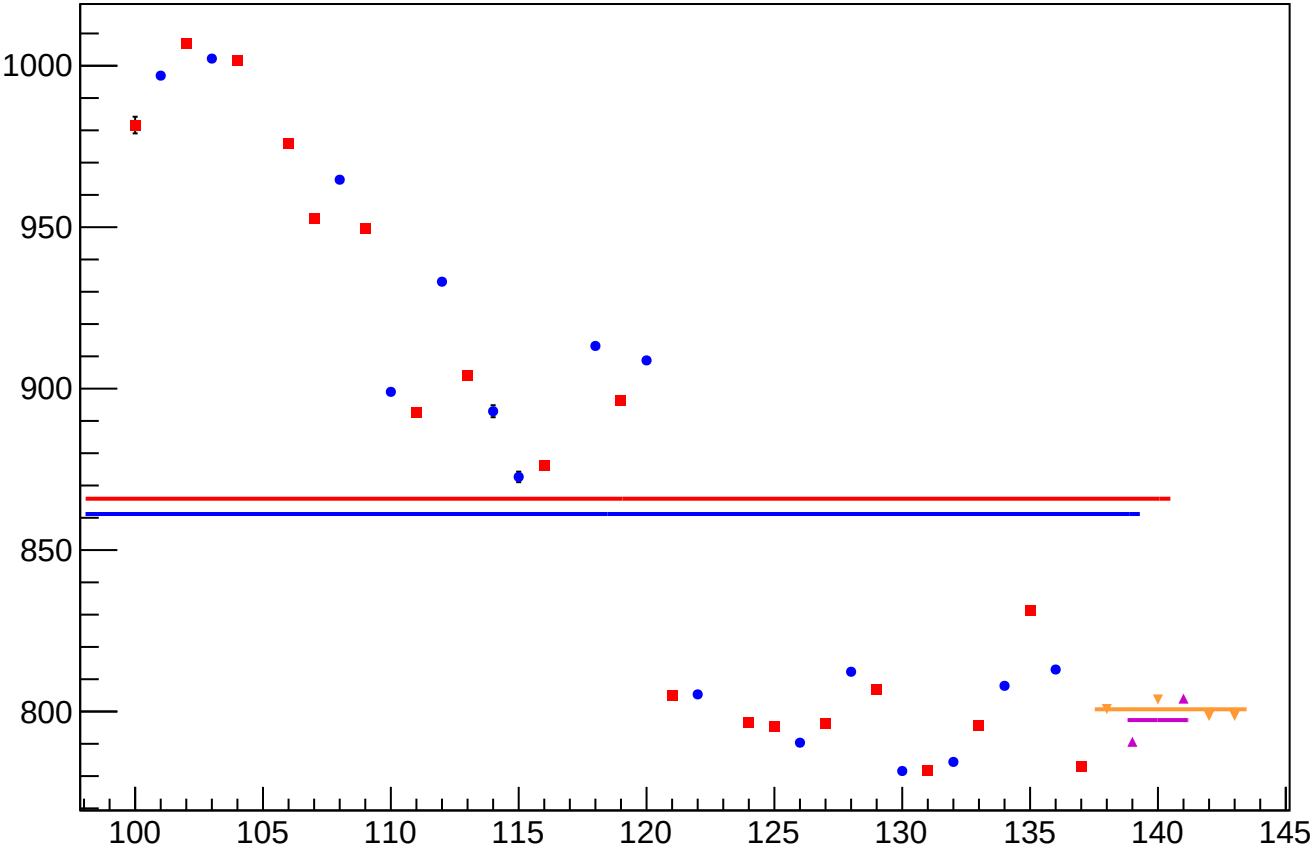
Left In: 0.474+/-0.606 χ^2/NDF:0.1/1

+ sign 1.821+/-0.266 χ^2/NDF: 6162.8/19

All: 9.620+/-0.193 χ^2/NDF: 13570.4/40

- sign 18.350+/-0.281 χ^2/NDF: 5578.8/20

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 800.688+/-0.334 χ^2/NDF:40.4/3

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

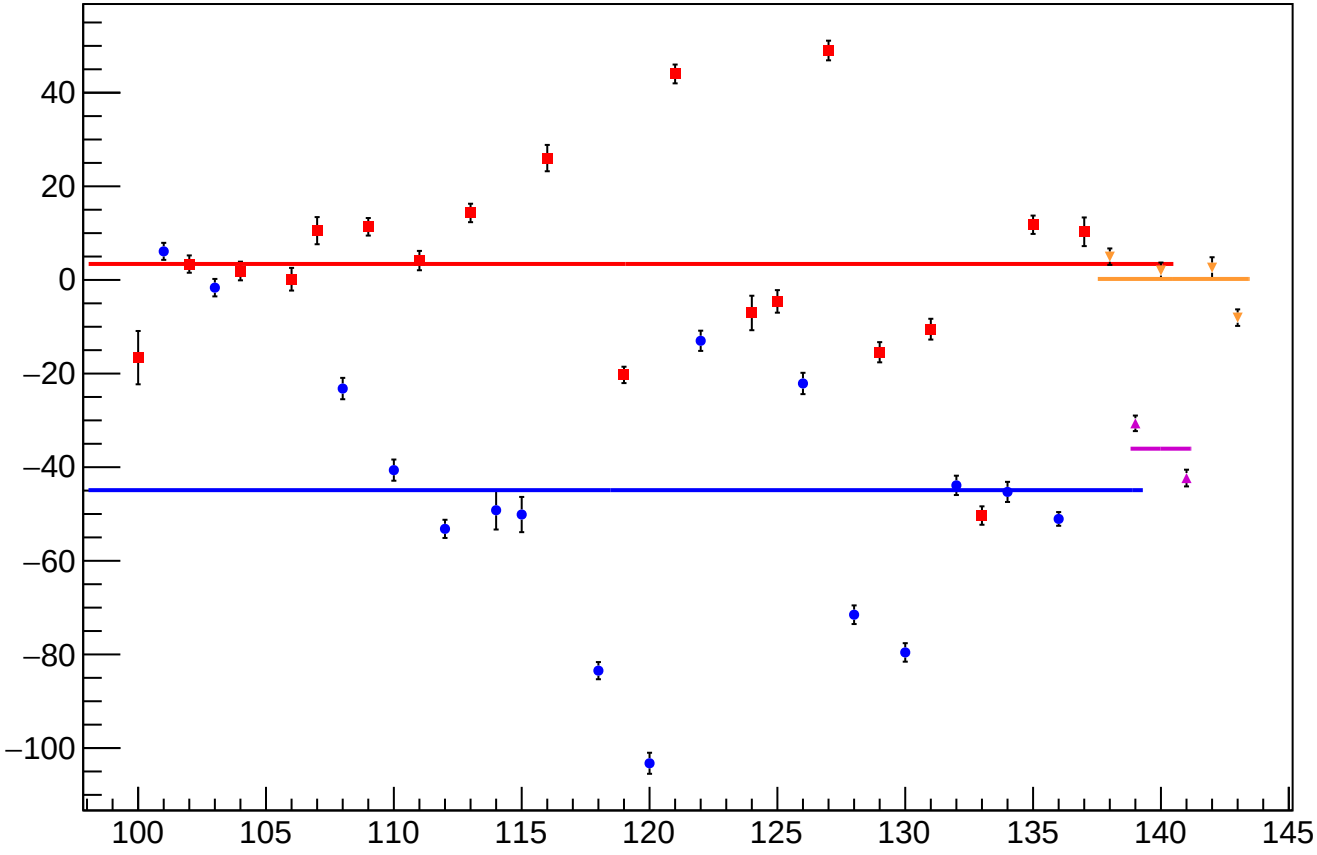
Left In: 797.350+/-0.428 χ^2/NDF:243.6/1

+ sign 842.018+/-0.188 χ^2/NDF: 136025.6/19

All: 846.338+/-0.136 χ^2/NDF: 275910.1/40

- sign 851.174+/-0.199 χ^2/NDF: 138762.4/20

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: 0.215+/-0.916 χ^2/NDF:31.5/3

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

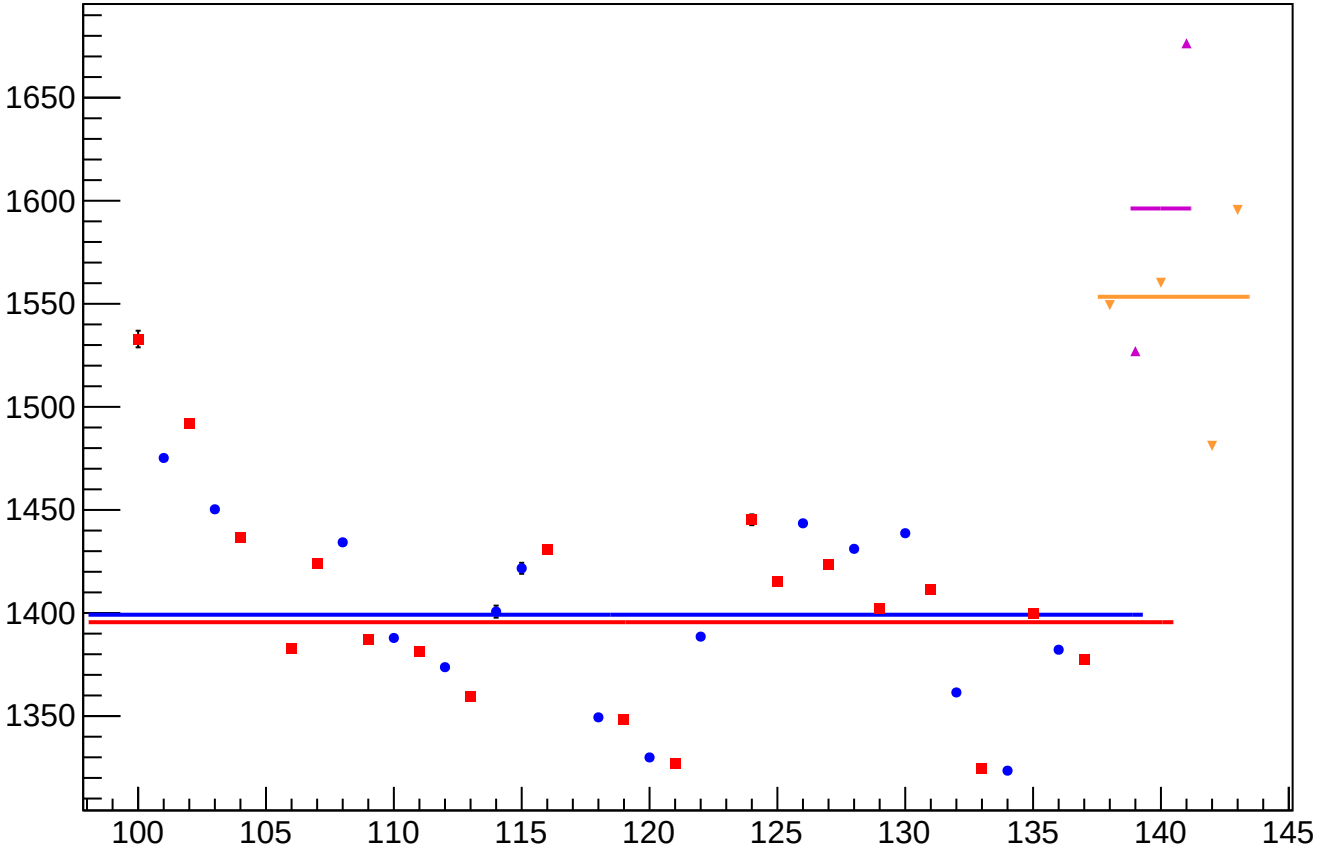
Left In: -36.047+/-1.216 χ^2/NDF:23.0/1

+ sign -33.914+/-0.452 χ^2/NDF: 5243.8/19

All: -18.788+/-0.326 χ^2/NDF: 10591.1/40

- sign -2.467+/-0.470 χ^2/NDF: 3020.6/20

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1553.403+/-0.648 χ^2/NDF:3280.4/3

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

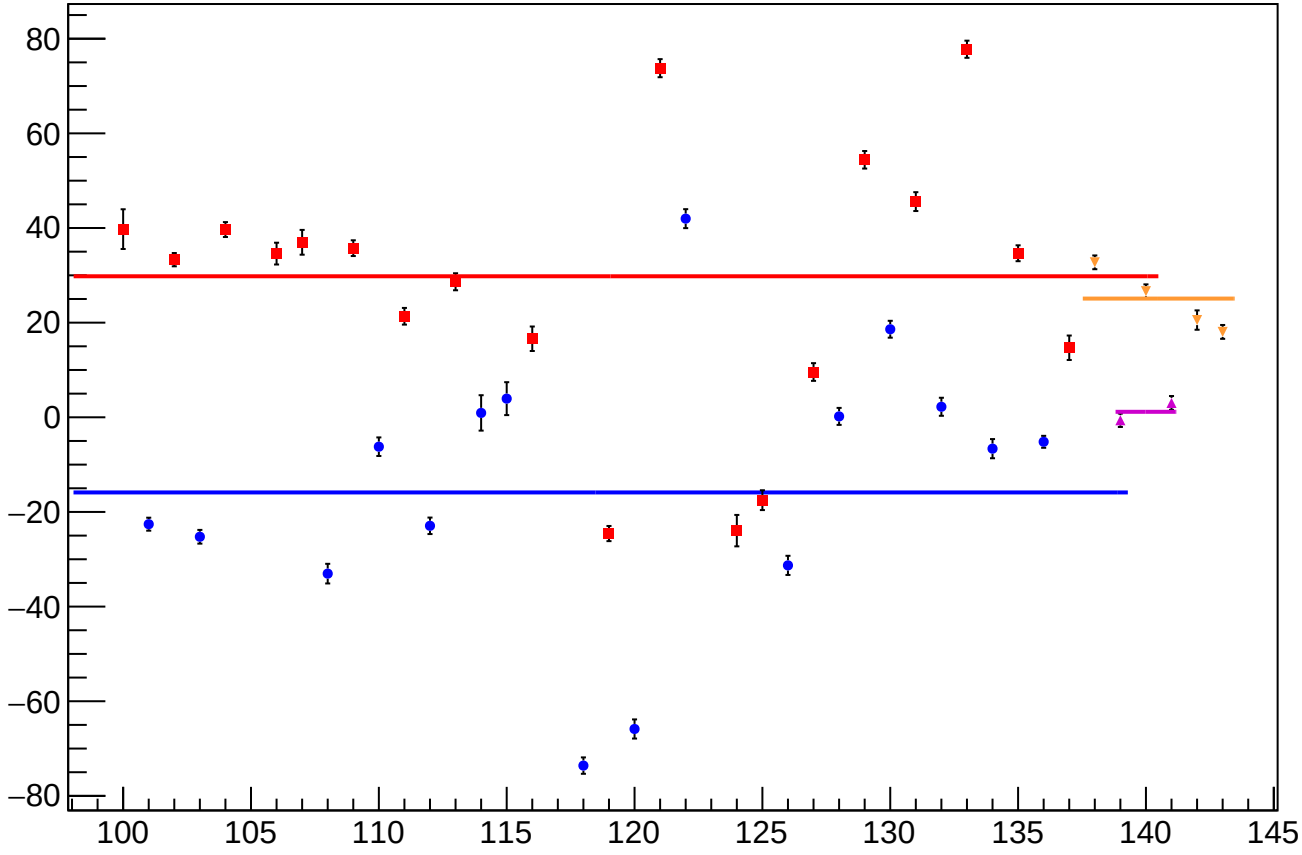
Left In: 1596.249+/-0.860 χ^2/NDF:7496.2/1

+ sign 1436.741+/-0.320 χ^2/NDF: 60999.3/19

All: 1431.318+/-0.230 χ^2/NDF: 131662.9/40

- sign 1425.466+/-0.332 χ^2/NDF: 70065.4/20

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 25.087+/-0.777 χ^2/NDF:56.9/3

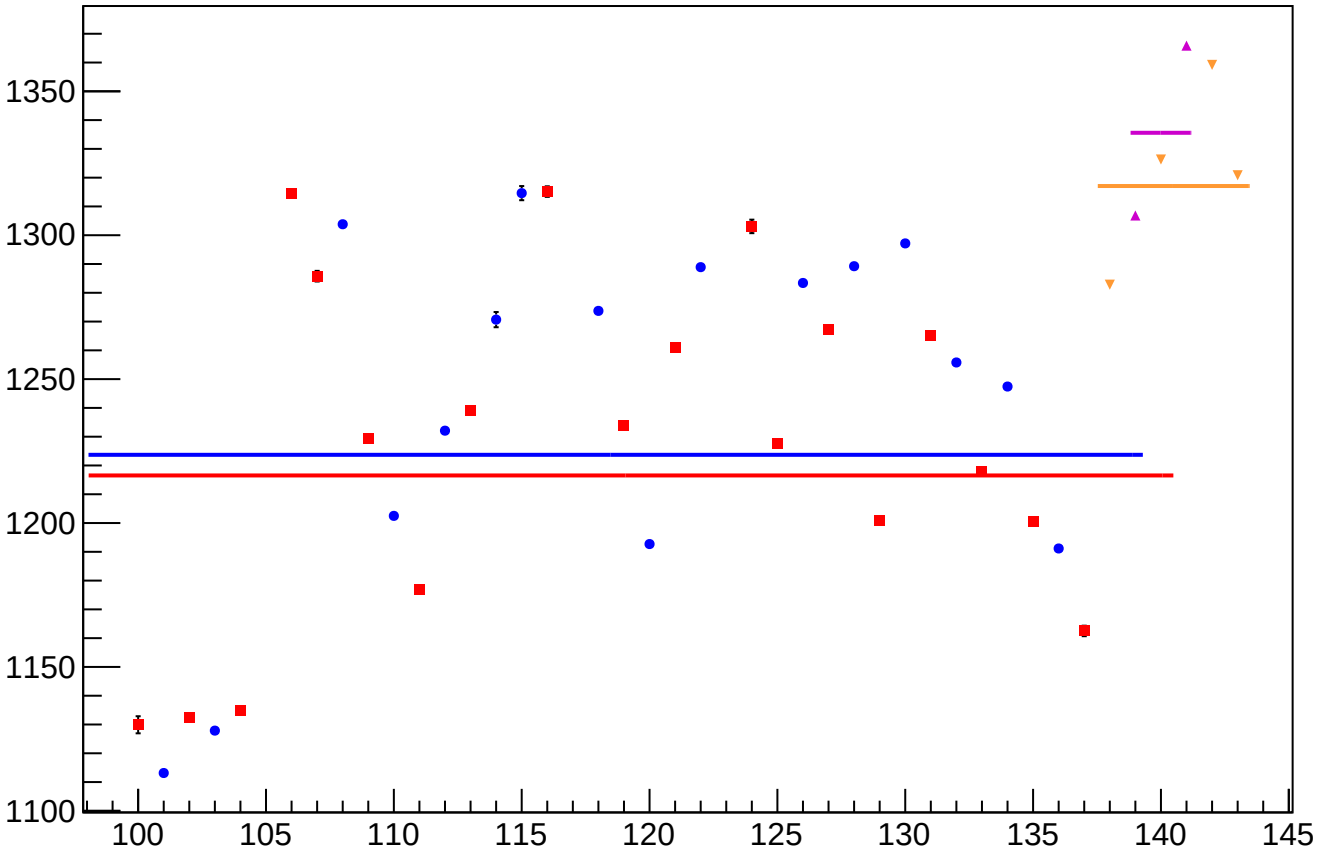
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 1.159+/-1.018 χ^2/NDF:3.2/1

+ sign -5.408+/-0.393 χ^2/NDF: 5604.3/19

All: 9.350+/-0.283 χ^2/NDF: 12883.4/40

- sign 25.214+/-0.407 χ^2/NDF: 4349.8/20



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1317.094+/-0.549 χ^2/NDF:2050.0/3

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

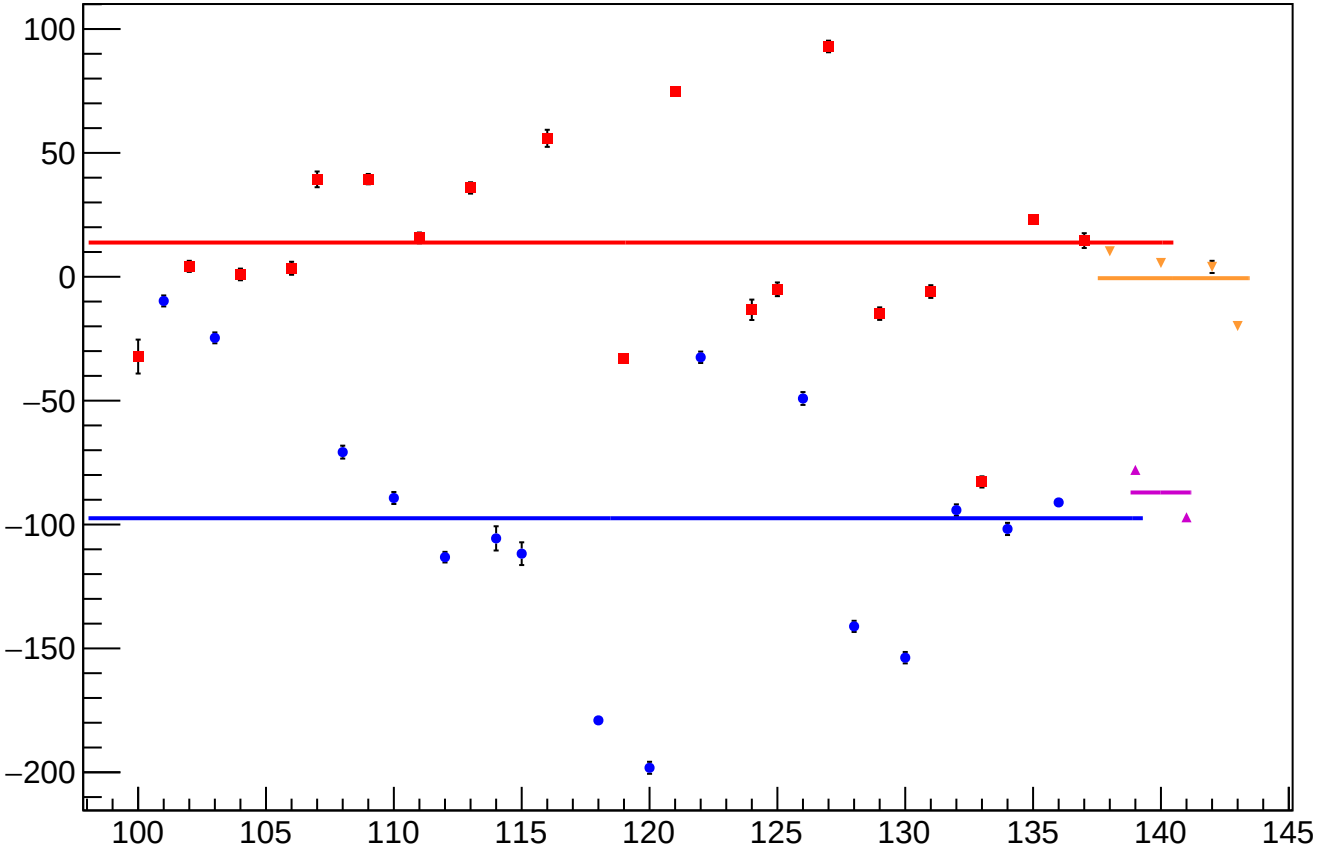
Left In: 1335.590+/-0.720 χ^2/NDF:1680.5/1

+ sign 1247.572+/-0.278 χ^2/NDF: 64447.0/19

All: 1241.801+/-0.200 χ^2/NDF: 119396.1/40

- sign 1235.599+/-0.288 χ^2/NDF: 54053.4/20

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -0.568+/-0.956 χ^2/NDF:165.9/3

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

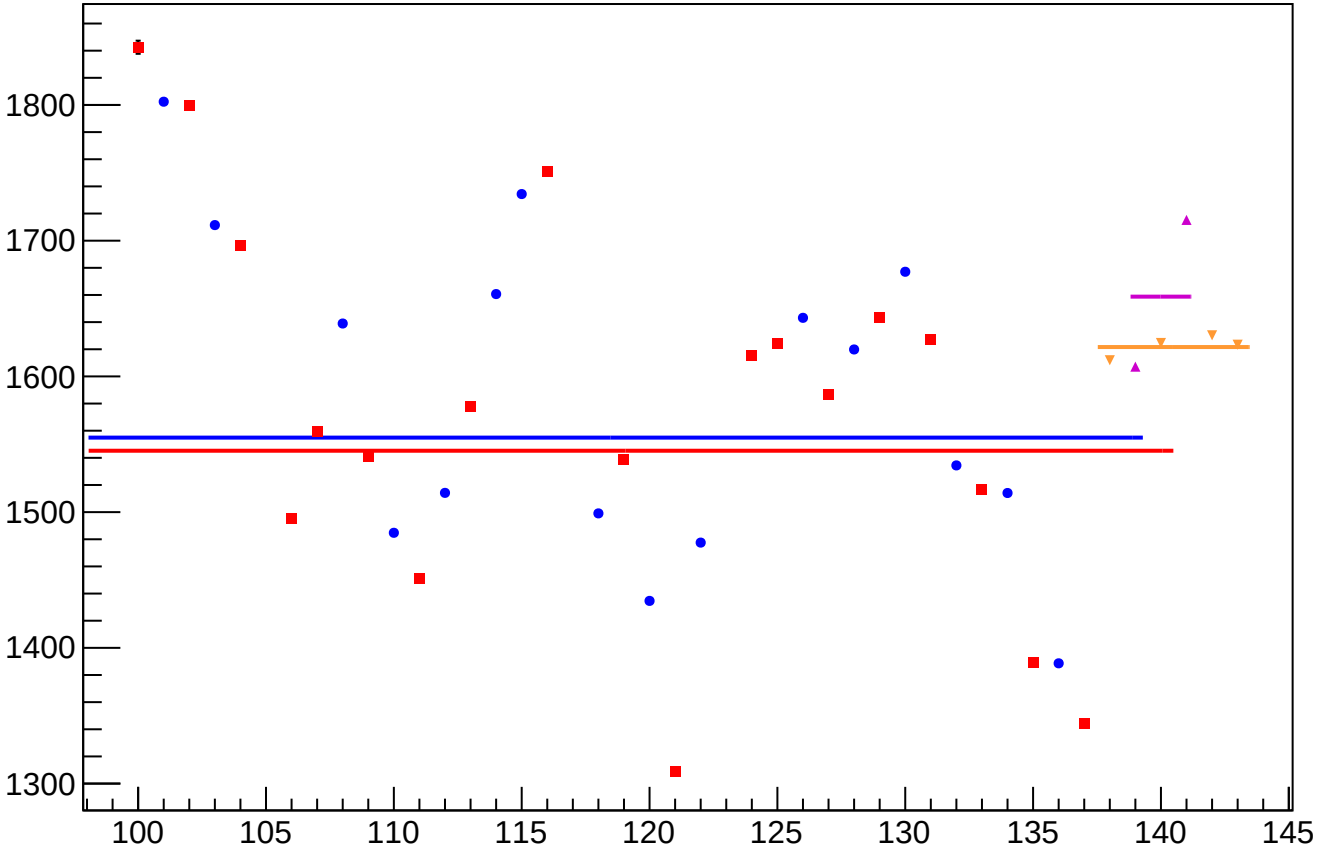
Left In: -87.064+/-1.263 χ^2/NDF:57.1/1

+ sign -71.433+/-0.496 χ^2/NDF: 15975.9/19

All: -38.633+/-0.358 χ^2/NDF: 35832.9/40

- sign -3.029+/-0.516 χ^2/NDF: 10720.0/20

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1621.638+/-0.676 χ^2/NDF:89.1/3

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

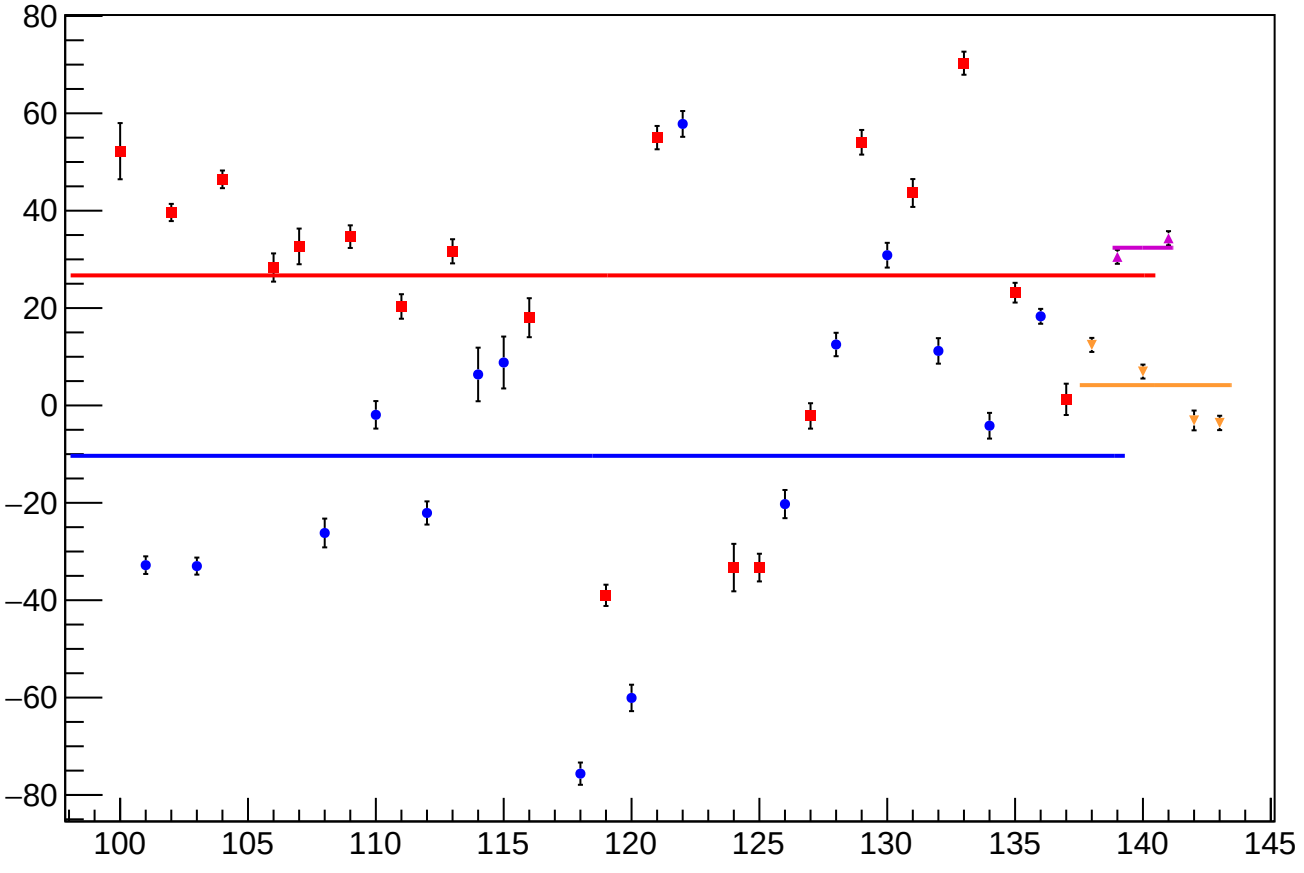
Left In: 1658.772+/-0.893 χ^2/NDF:3654.2/1

+ sign 1572.831+/-0.350 χ^2/NDF: 95133.7/19

All: 1568.691+/-0.253 χ^2/NDF: 221321.3/40

- sign 1564.197+/-0.365 χ^2/NDF: 125896.5/20

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 4.174+/-0.774 χ^2/NDF:76.9/3

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

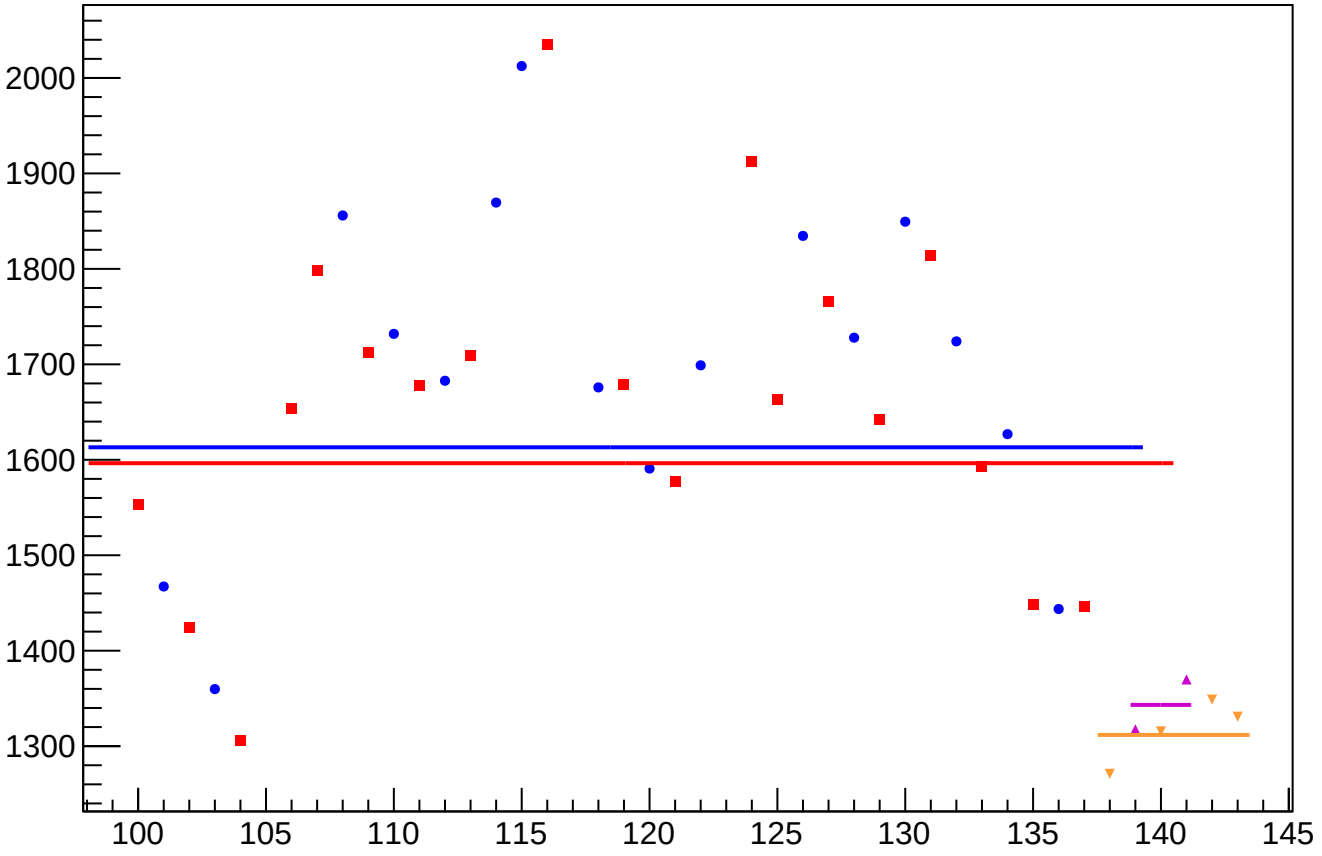
Left In: 32.391+/-1.023 χ^2/NDF:3.5/1

\+ sign -4.862+/-0.476 χ^2/NDF: 3302.8/19

All: 10.525+/-0.347 χ^2/NDF: 8111.4/40

\- sign 28.114+/-0.509 χ^2/NDF: 2567.4/20

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1311.766+/-0.547 χ^2/NDF:2608.0/3

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

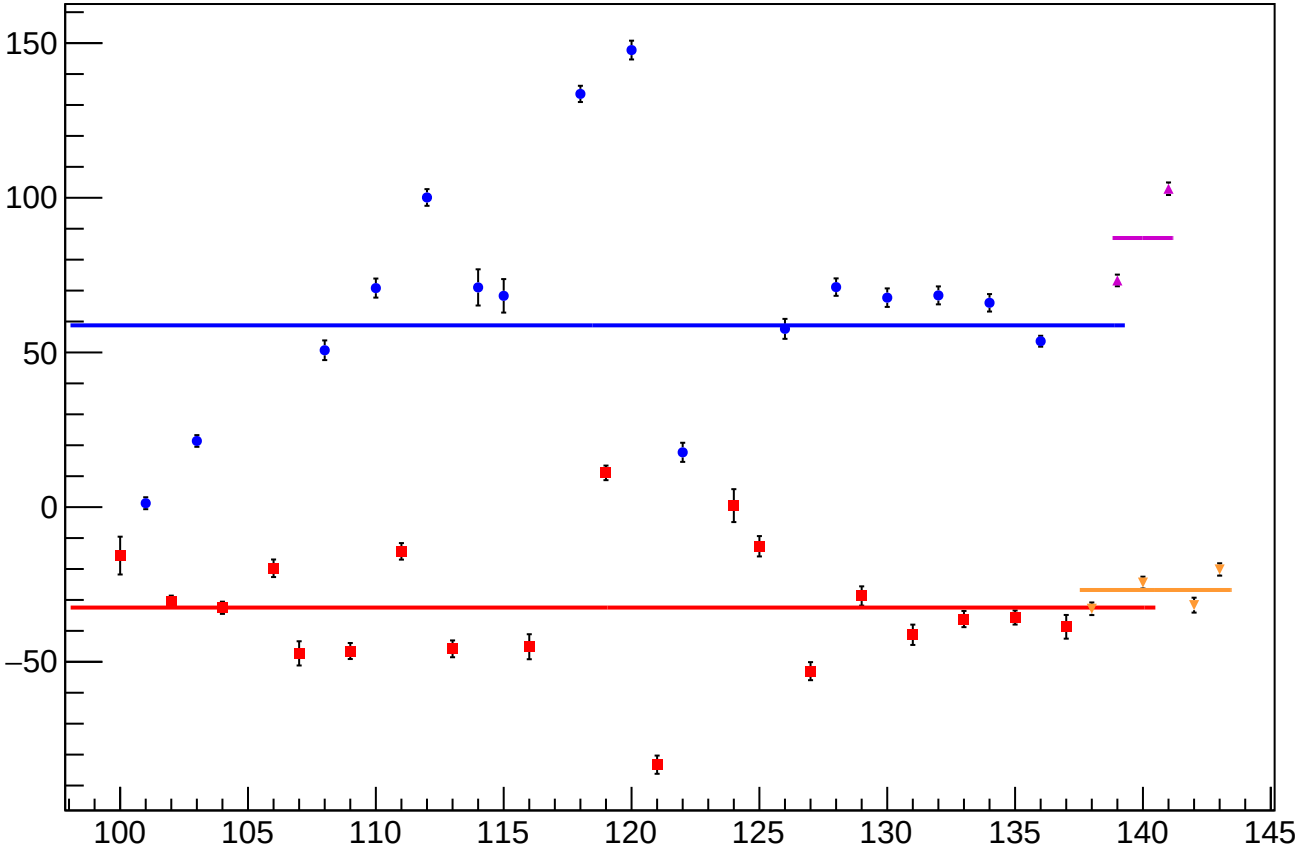
Left In: 1343.237+/-0.723 χ^2/NDF:1306.3/1

+ sign 1499.291+/-0.336 χ^2/NDF: 345854.2/19

All: 1515.407+/-0.246 χ^2/NDF: 605014.4/40

- sign 1533.830+/-0.360 χ^2/NDF: 254242.8/20

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.782+/-1.035 χ^2/NDF:25.6/3

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

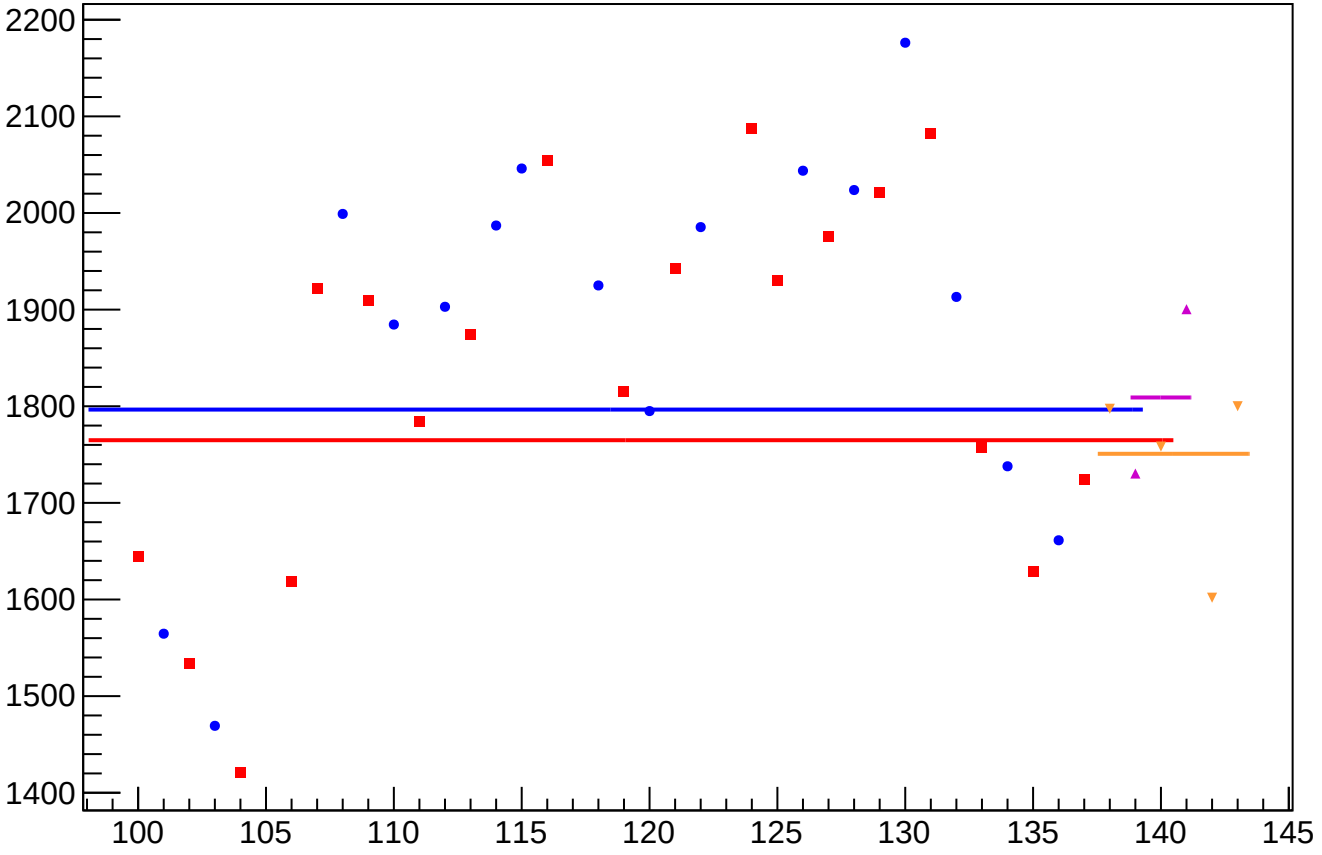
Left In: 86.999+/-1.381 χ^2/NDF:114.6/1

\+ sign 33.357+/-0.564 χ^2/NDF: 8274.8/19

All: 12.125+/-0.407 χ^2/NDF: 18407.2/40

\- sign -10.883+/-0.587 χ^2/NDF: 7177.8/20

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1750.787+/-0.732 χ^2/NDF:9902.4/3

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

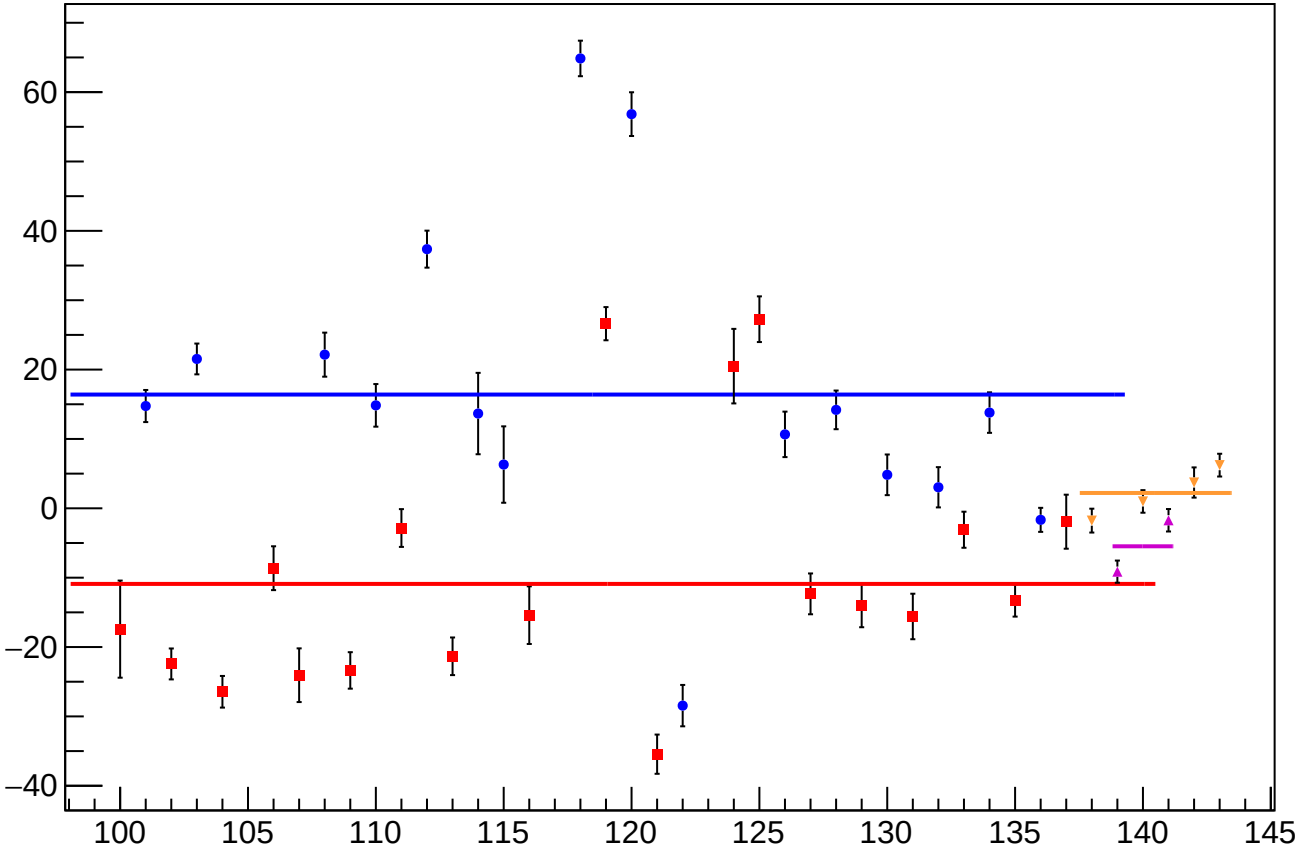
Left In: 1809.076+/-0.976 χ^2/NDF:7543.9/1

\+ sign 1782.963+/-0.399 χ^2/NDF: 205825.6/19

All: 1778.109+/-0.288 χ^2/NDF: 405346.3/40

\- sign 1772.849+/-0.415 χ^2/NDF: 199211.9/20

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 2.213+/-0.878 χ^2/NDF:12.4/3

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

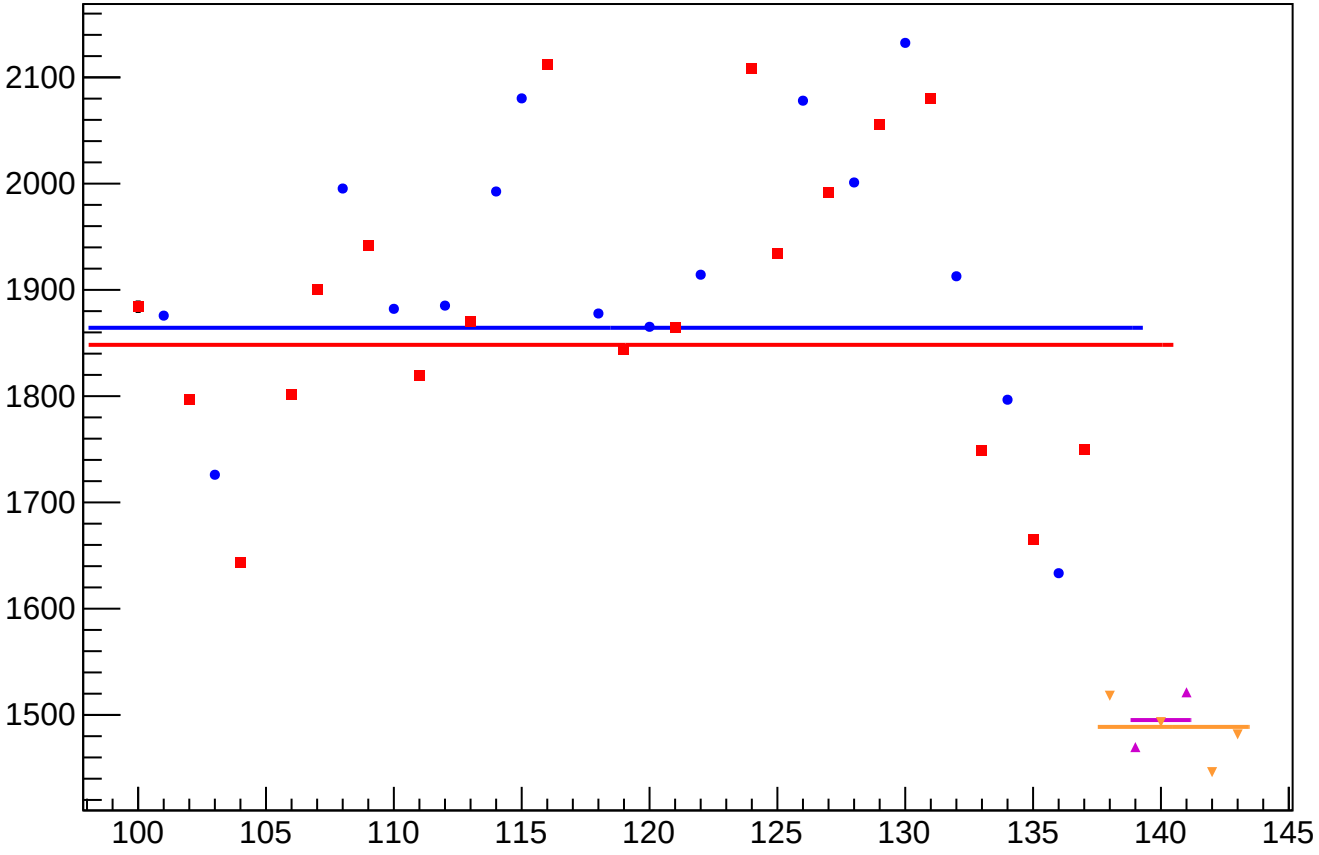
Left In: -5.476+/-1.137 χ^2/NDF:10.6/1

\+ sign 10.934+/-0.545 χ^2/NDF: 1145.9/19

All: 1.385+/-0.398 χ^2/NDF: 2471.7/40

\- sign -9.483+/-0.581 χ^2/NDF: 669.1/20

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1488.749+/-0.621 χ^2/NDF:1398.1/3

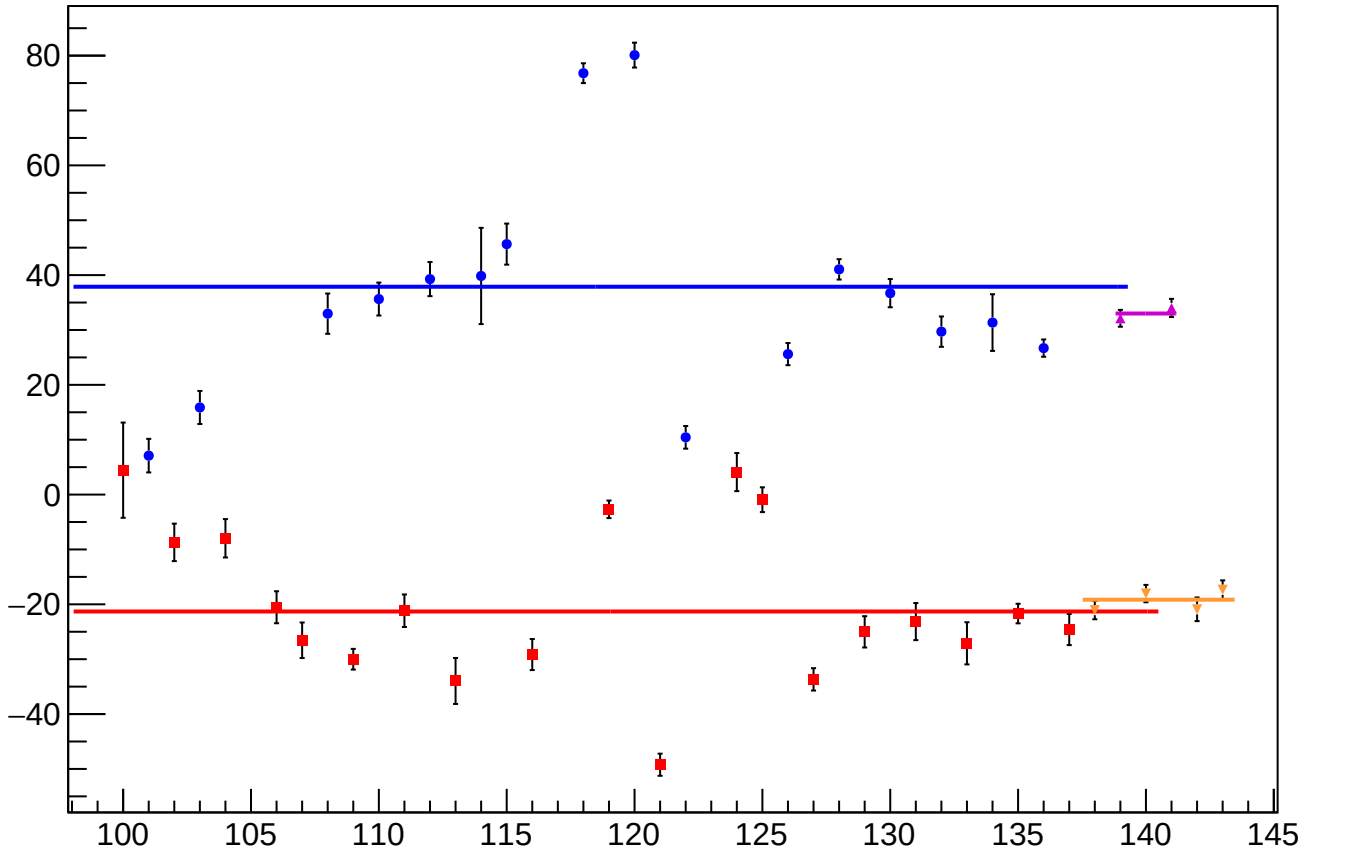
Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1495.194+/-0.804 χ^2/NDF:1028.0/1

+ sign 1719.639+/-0.385 χ^2/NDF: 309750.4/19

All: 1736.672+/-0.281 χ^2/NDF: 532330.8/40

- sign 1756.055+/-0.411 χ^2/NDF: 218402.2/20



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -19.156+/-0.872 χ^2/NDF:3.6/3

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

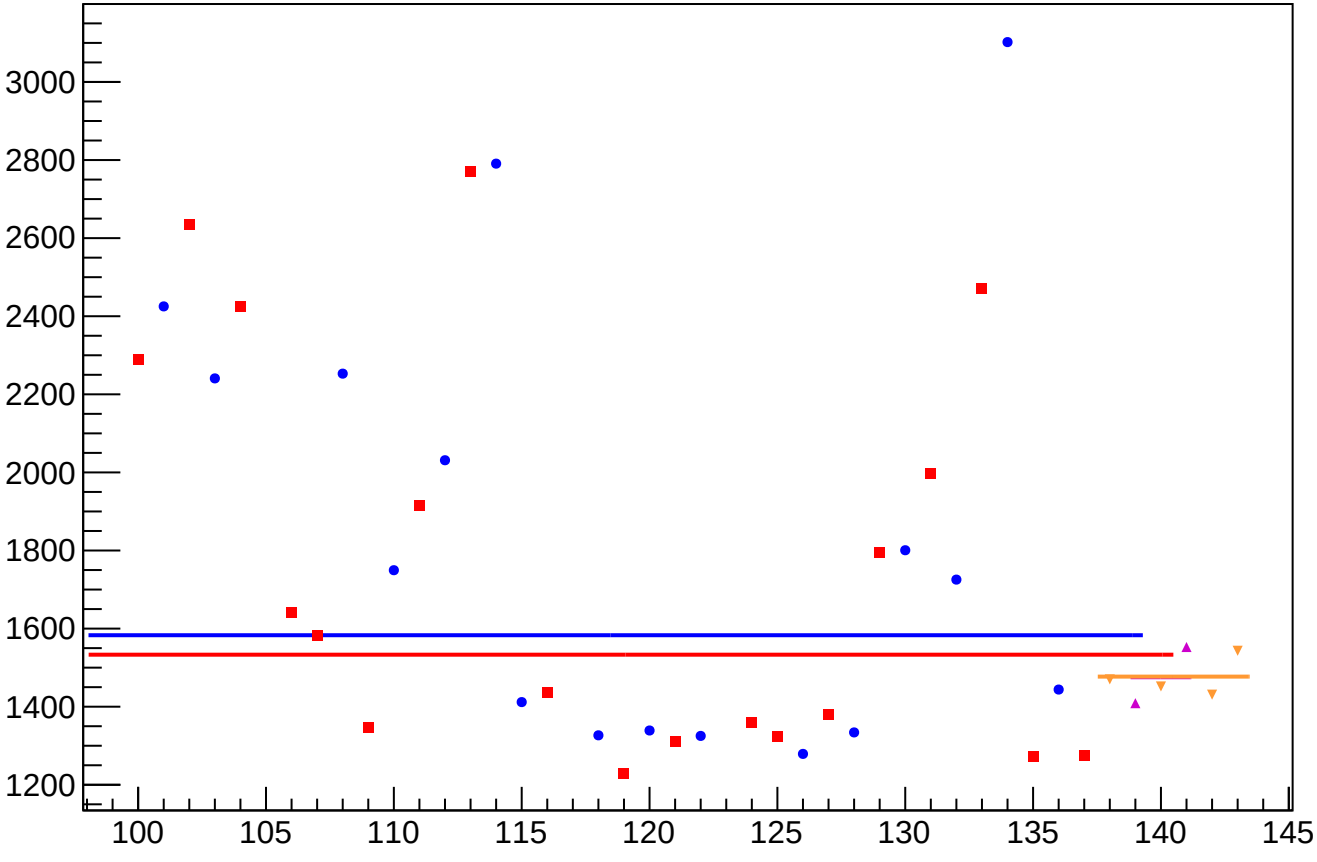
Left In: 32.999+/-1.125 χ^2/NDF:0.7/1

+ sign 18.629+/-0.507 χ^2/NDF: 4088.2/19

All: 5.055+/-0.364 χ^2/NDF: 7983.0/40

- sign -9.501+/-0.525 χ^2/NDF: 2406.8/20

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1477.047+/-0.617 χ^2/NDF:4452.6/3

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

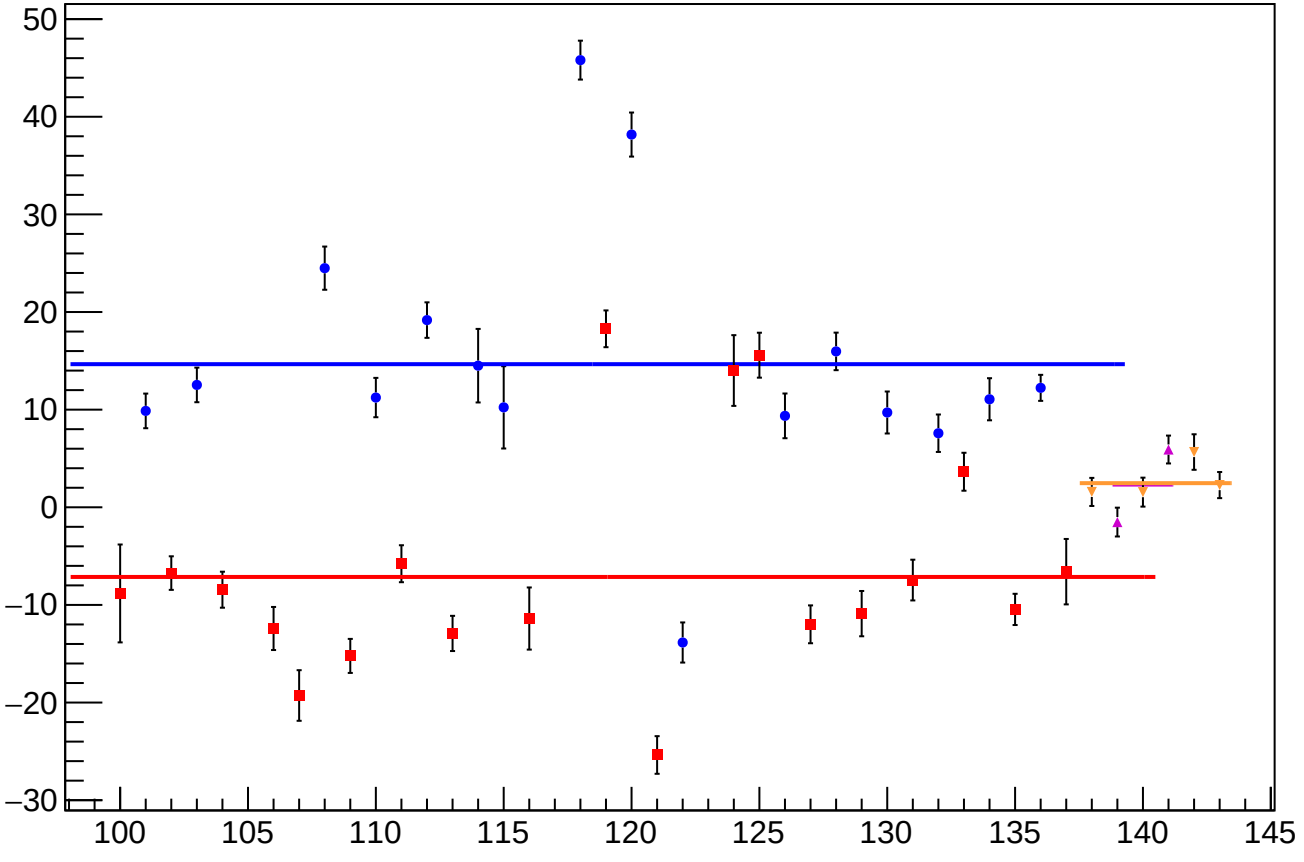
Left In: 1475.427+/-0.796 χ^2/NDF:8129.2/1

+ sign 1547.270+/-0.358 χ^2/NDF: 811708.5/19

All: 1534.416+/-0.258 χ^2/NDF: 1777409.9/40

- sign 1520.633+/-0.371 χ^2/NDF: 963032.6/20

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.472+/-0.746 χ^2/NDF:3.9/3

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

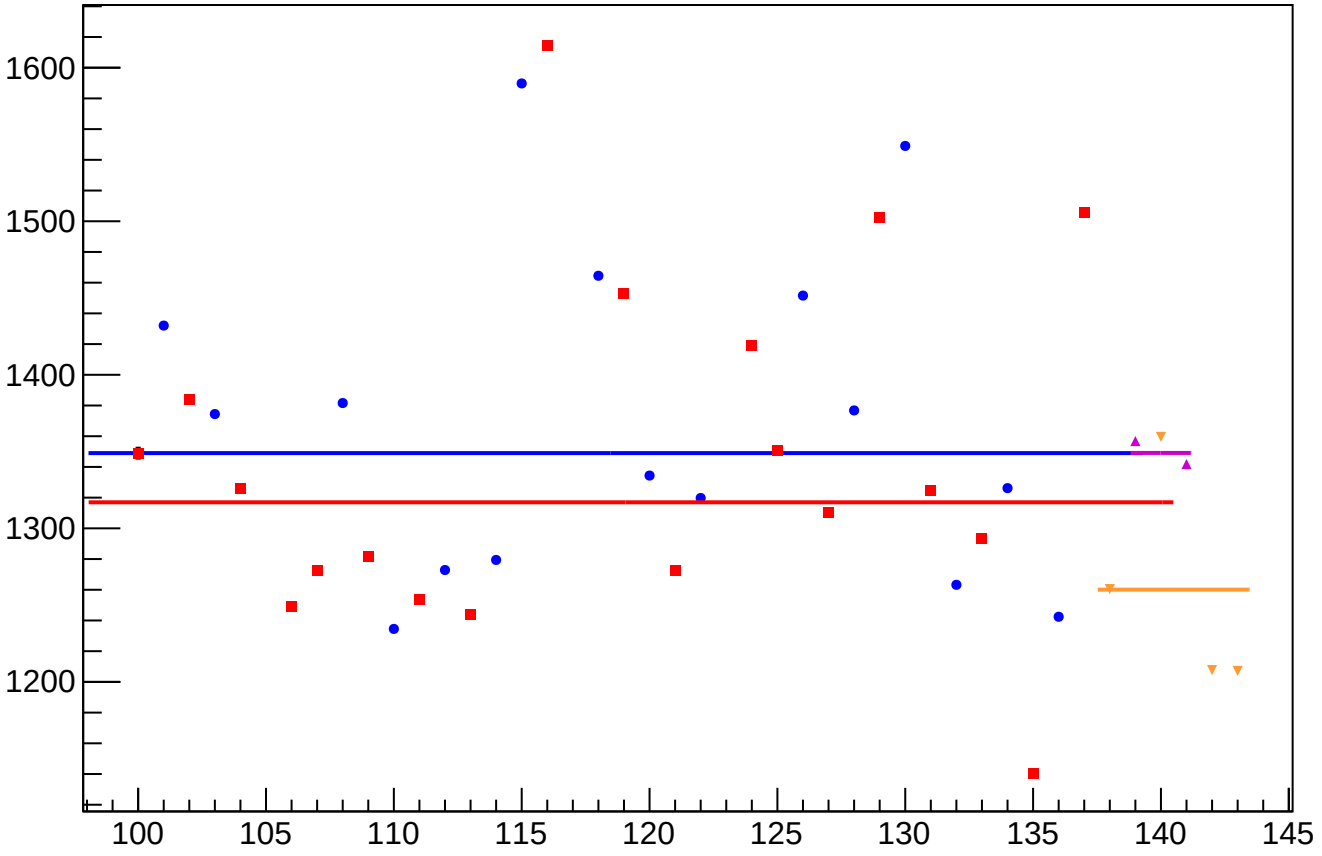
Left In: 2.326+/-1.026 χ^2/NDF:13.1/1

+ sign 10.831+/-0.418 χ^2/NDF: 801.9/19

All: 3.073+/-0.302 χ^2/NDF: 2116.0/40

- sign -5.418+/-0.437 χ^2/NDF: 592.1/20

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1260.072+/-0.527 χ^2/NDF:13787.5/3

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

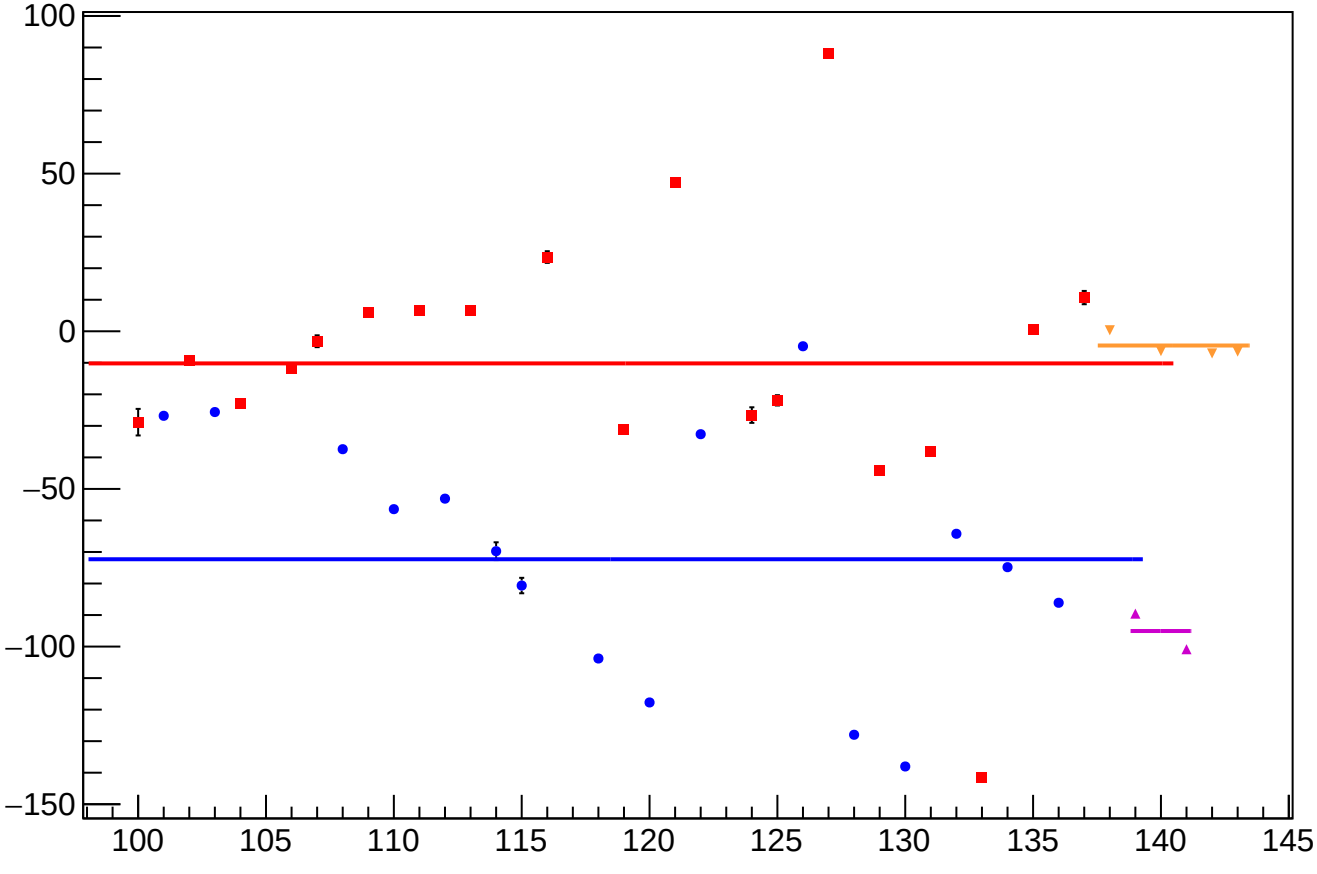
Left In: 1349.121+/-0.726 χ^2/NDF:105.7/1

+ sign 1321.074+/-0.295 χ^2/NDF: 101686.4/19

All: 1321.896+/-0.214 χ^2/NDF: 190289.8/40

- sign 1322.796+/-0.309 χ^2/NDF: 88587.1/20

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -4.515+/-0.548 χ^2/NDF:32.2/3

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

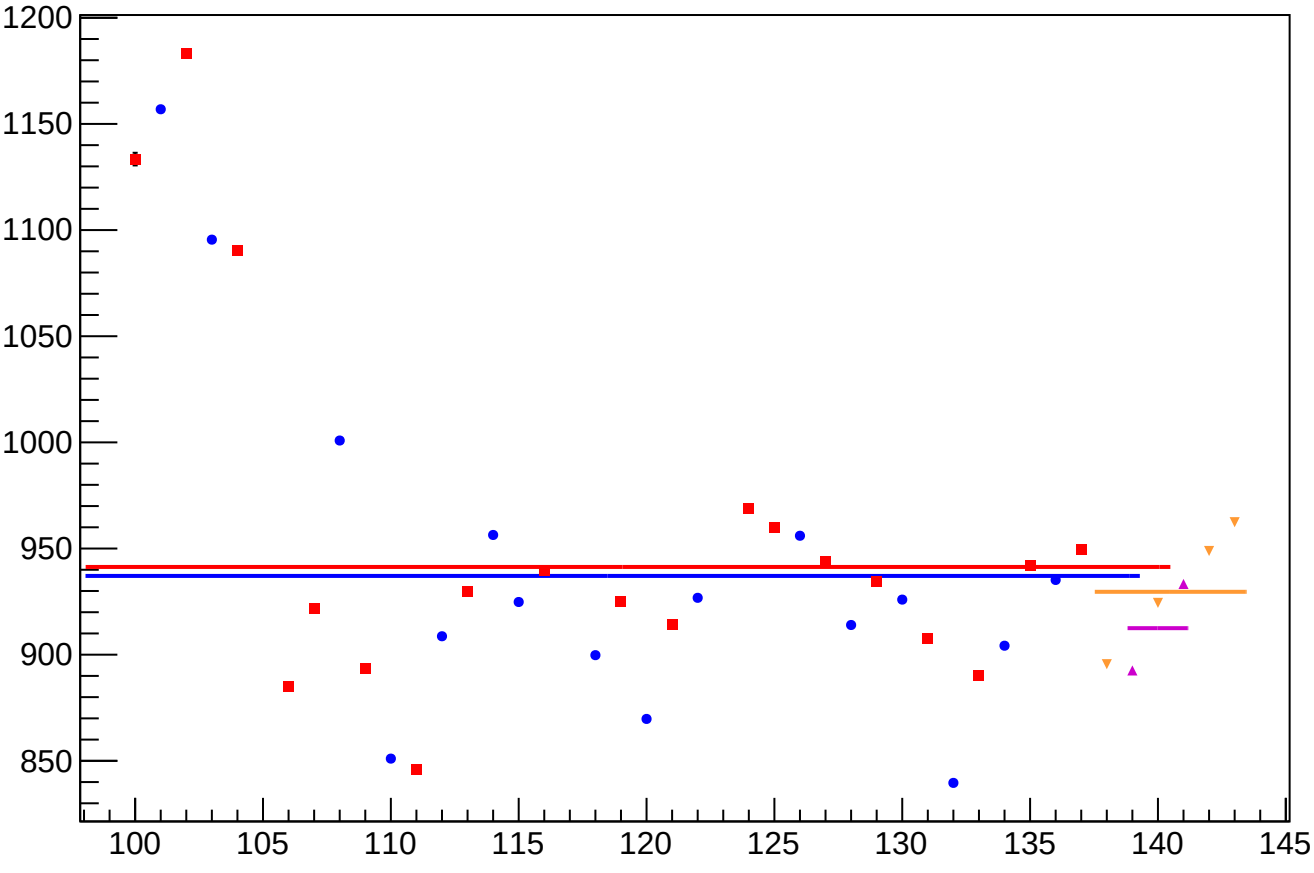
Left In: -95.066+/-0.694 χ^2/NDF:66.1/1

\+ sign -52.708+/-0.295 χ^2/NDF: 23063.9/19

All: -40.439+/-0.213 χ^2/NDF: 57819.9/40

\- sign -26.983+/-0.309 χ^2/NDF: 31120.5/20

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 929.617+/-0.388 χ^2/NDF:4570.8/3

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

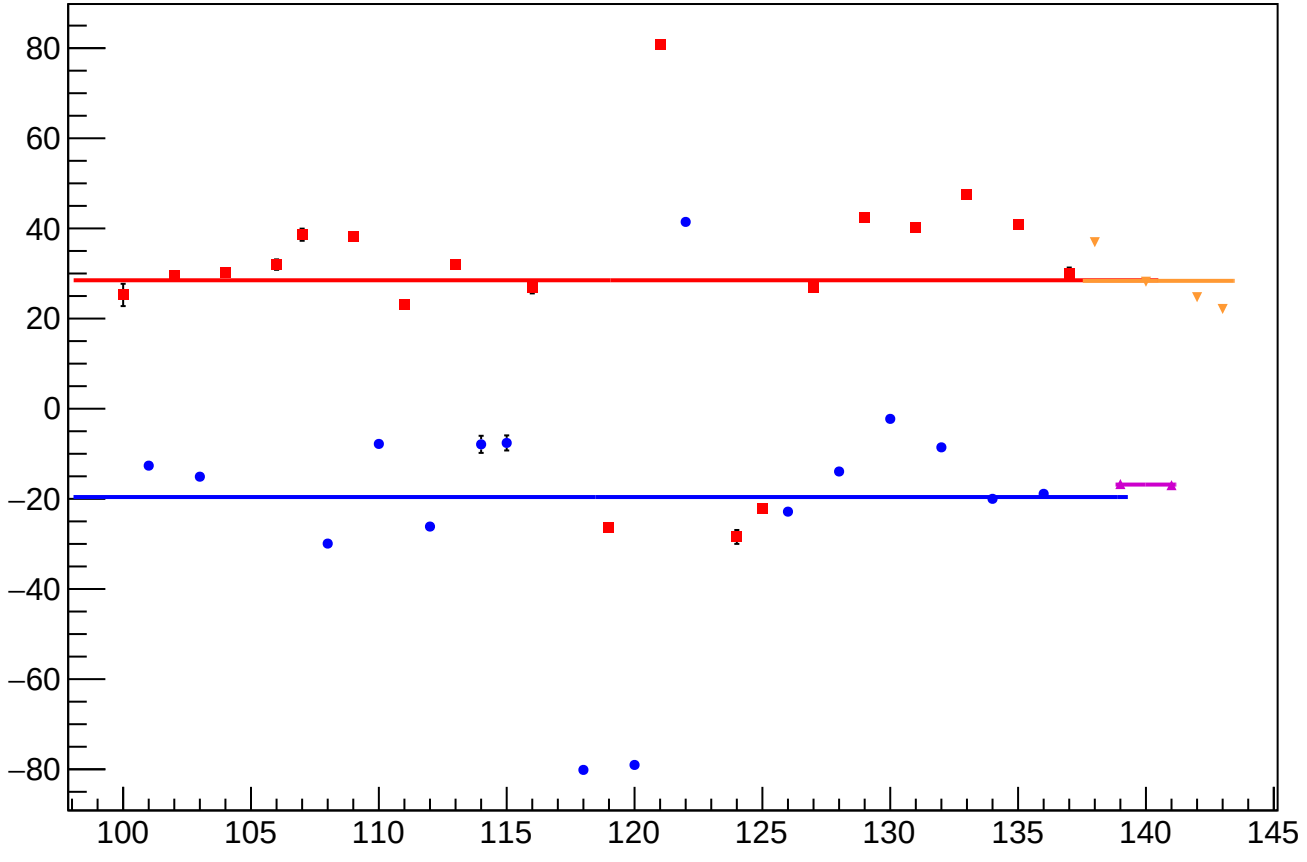
Left In: 912.489+/-0.491 χ^2/NDF:1723.4/1

+ sign 934.935+/-0.208 χ^2/NDF: 109496.2/19

All: 935.260+/-0.151 χ^2/NDF: 215027.7/40

- sign 935.618+/-0.218 χ^2/NDF: 105526.4/20

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 28.371+/-0.377 χ^2/NDF:234.2/3

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

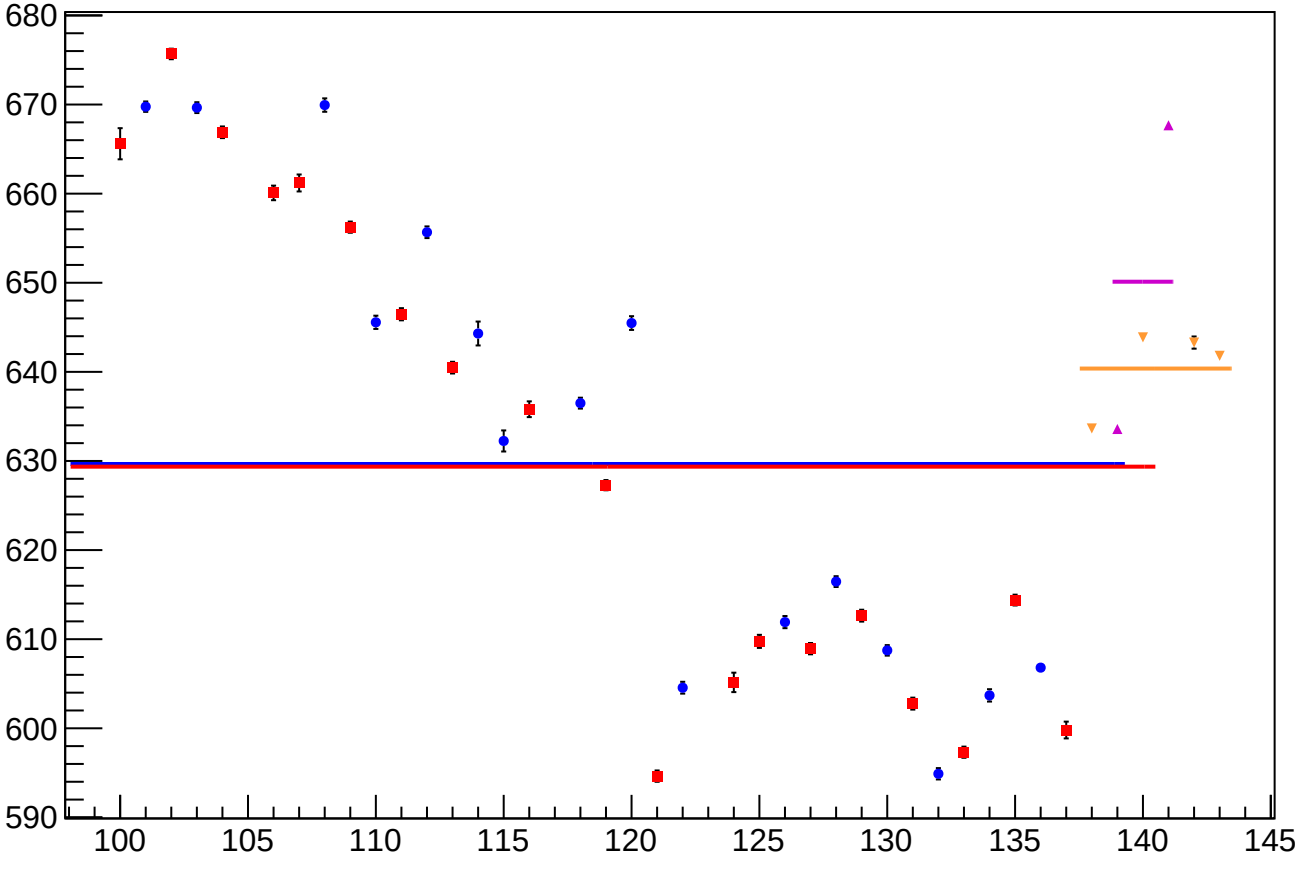
Left In: -16.832+/-0.494 χ^2/NDF:0.1/1

+ sign -6.268+/-0.199 χ^2/NDF: 25075.5/19

All: 6.473+/-0.144 χ^2/NDF: 53568.0/40

- sign 20.446+/-0.208 χ^2/NDF: 19888.8/20

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 640.371+/-0.267 χ^2/NDF:251.7/3

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

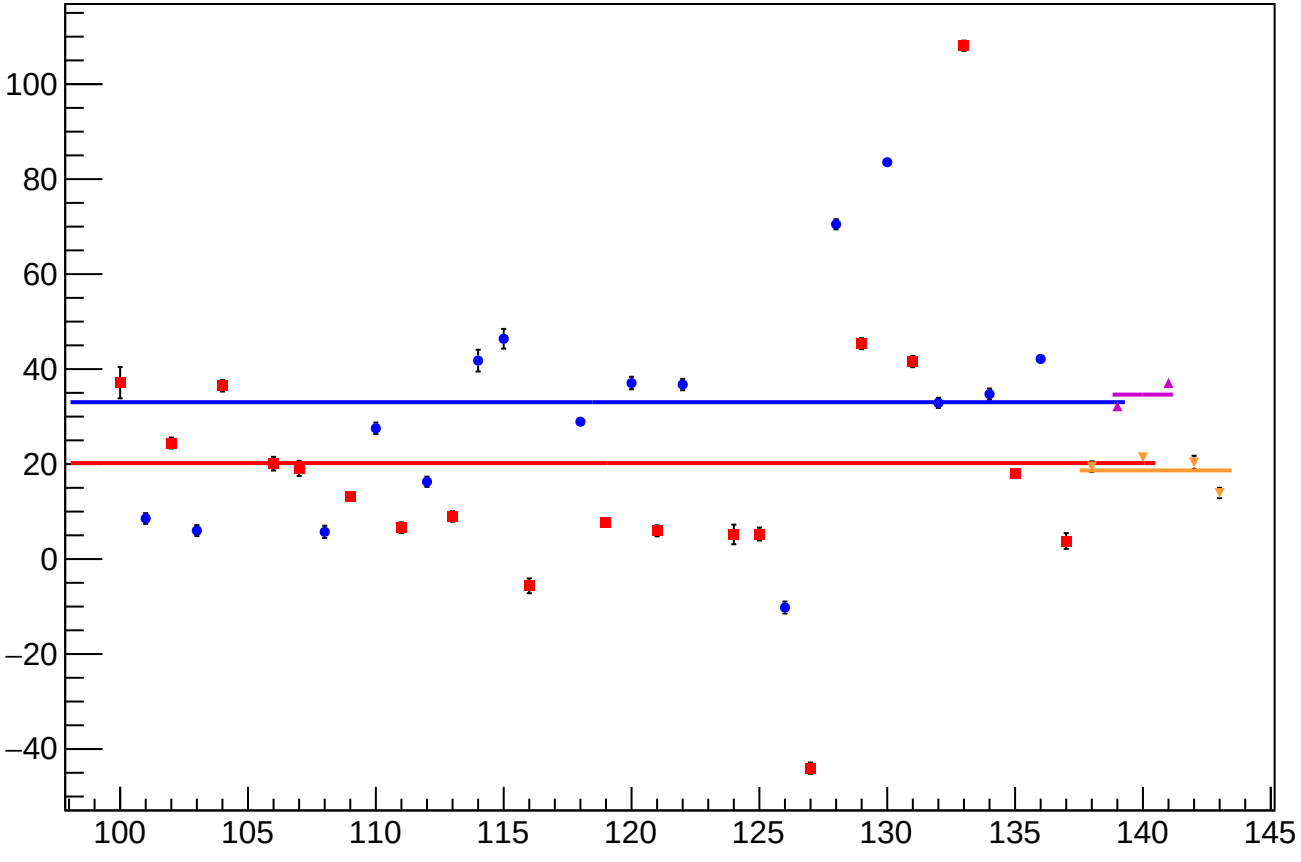
Left In: 650.116+/-0.349 χ^2/NDF:2375.4/1

\+ sign 632.637+/-0.141 χ^2/NDF: 26731.1/19

All: 632.832+/-0.102 χ^2/NDF: 58802.4/40

\- sign 633.047+/-0.147 χ^2/NDF: 32067.3/20

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.663+/-0.571 χ^2/NDF:27.5/3

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

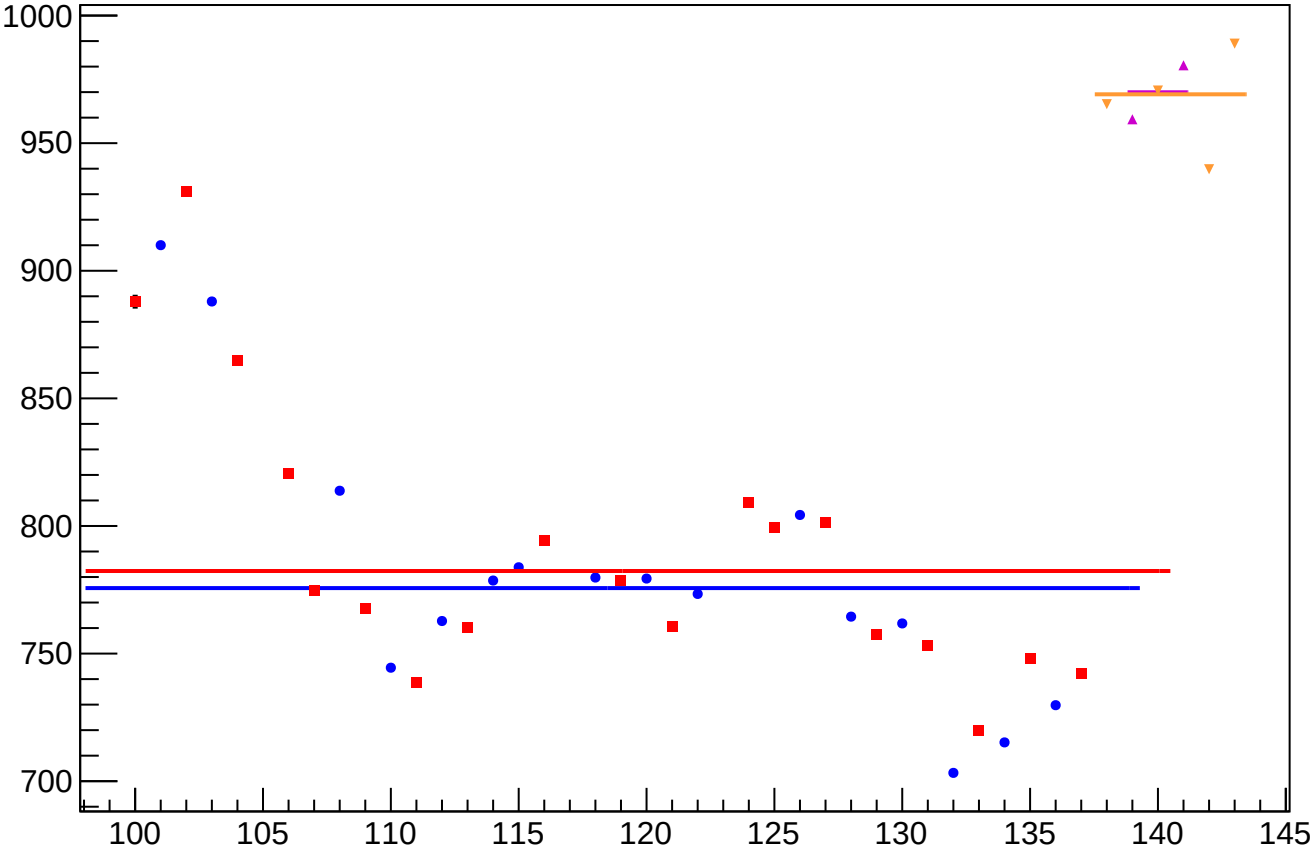
Left In: 34.629+/-0.737 χ^2/NDF:11.0/1

+ sign 30.107+/-0.258 χ^2/NDF: 7231.4/19

All: 26.237+/-0.185 χ^2/NDF: 19910.4/40

- sign 22.099+/-0.267 χ^2/NDF: 12212.7/20

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 969.145+/-0.404 χ^2/NDF:1545.9/3

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

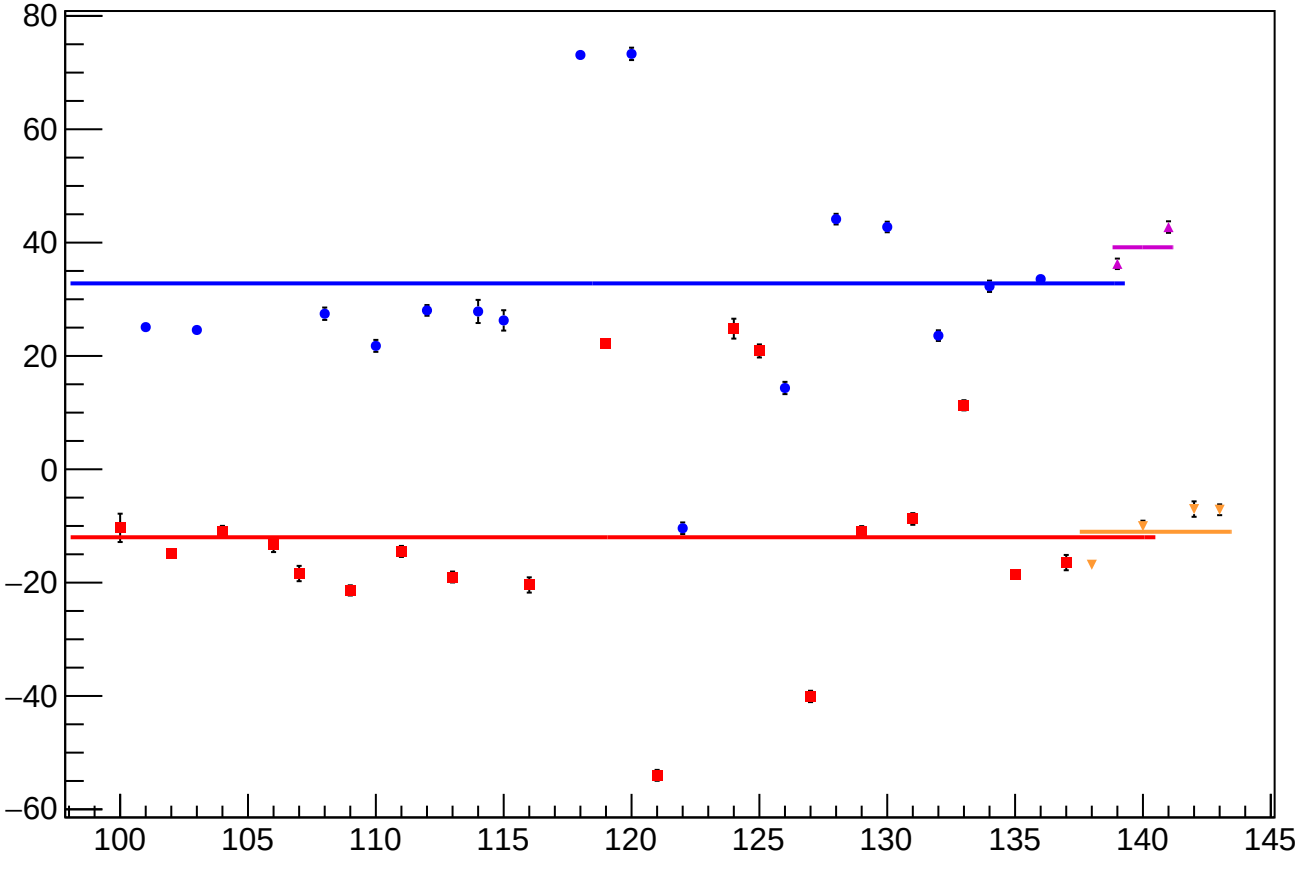
Left In: 969.942+/-0.521 χ^2/NDF:411.2/1

+ sign 815.061+/-0.182 χ^2/NDF: 258852.2/19

All: 811.105+/-0.131 χ^2/NDF: 437284.1/40

- sign 806.874+/-0.189 χ^2/NDF: 177457.5/20

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -11.025+/-0.502 χ^2/NDF:69.6/3

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

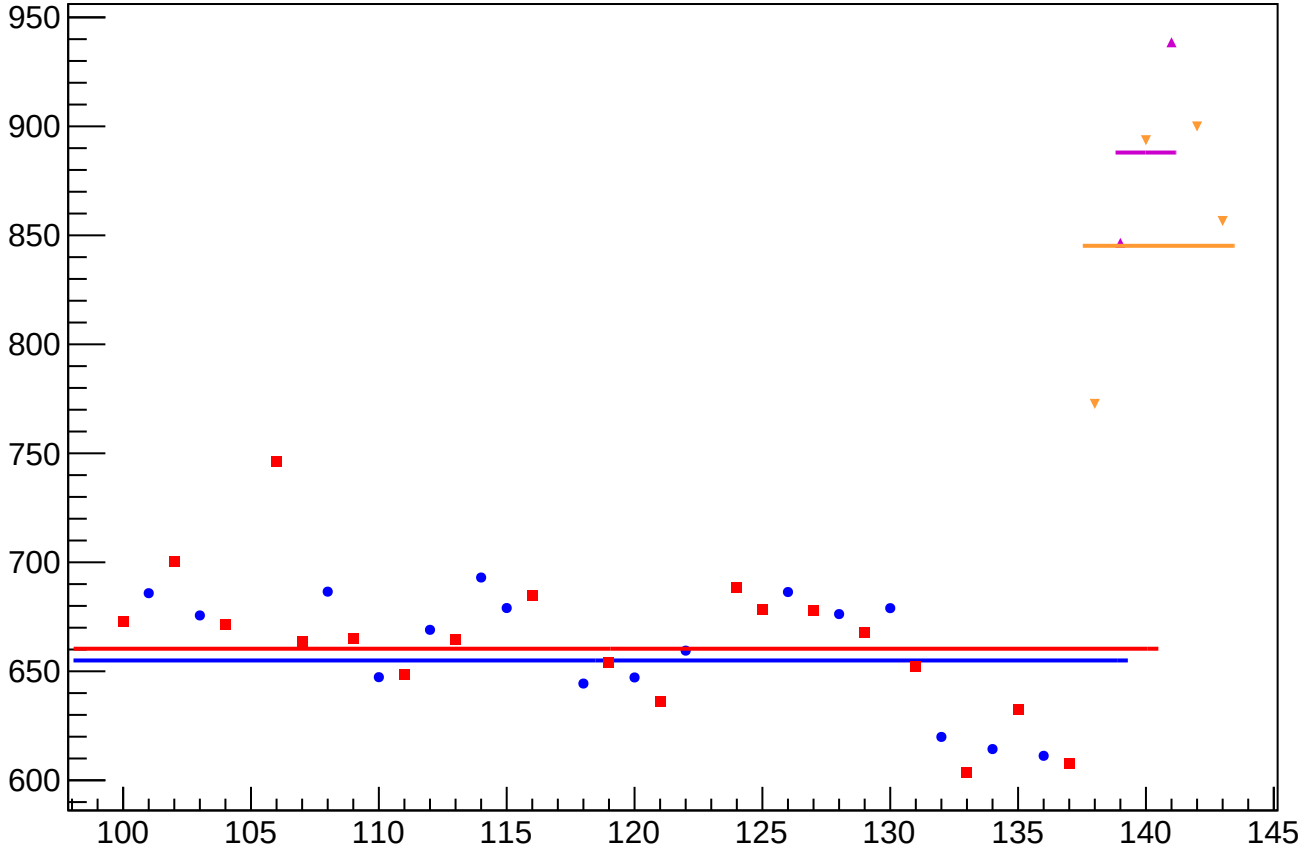
Left In: 39.176+/-0.683 χ^2/NDF:22.3/1

+ sign 24.450+/-0.219 χ^2/NDF: 12502.8/19

All: 9.633+/-0.158 χ^2/NDF: 33572.3/40

- sign -6.328+/-0.227 χ^2/NDF: 11568.1/20

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 845.196+/-0.355 χ^2/NDF:21930.3/3

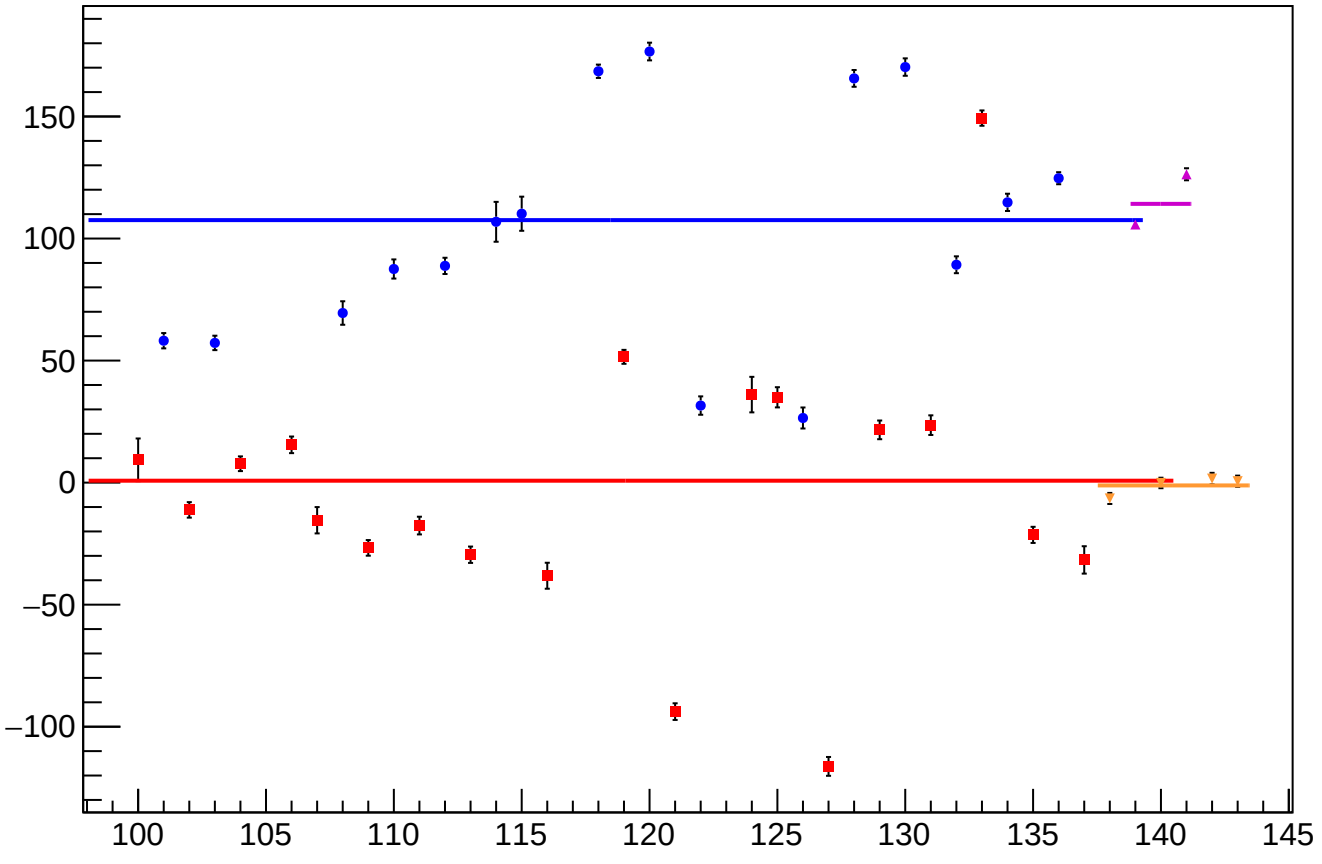
Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 887.987+/-0.483 χ^2/NDF:8975.2/1

+ sign 691.225+/-0.155 χ^2/NDF: 281274.2/19

All: 688.497+/-0.112 χ^2/NDF: 518660.4/40

- sign 685.559+/-0.161 χ^2/NDF: 236742.2/20



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -1.148+/-1.134 χ^2/NDF:7.7/3

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

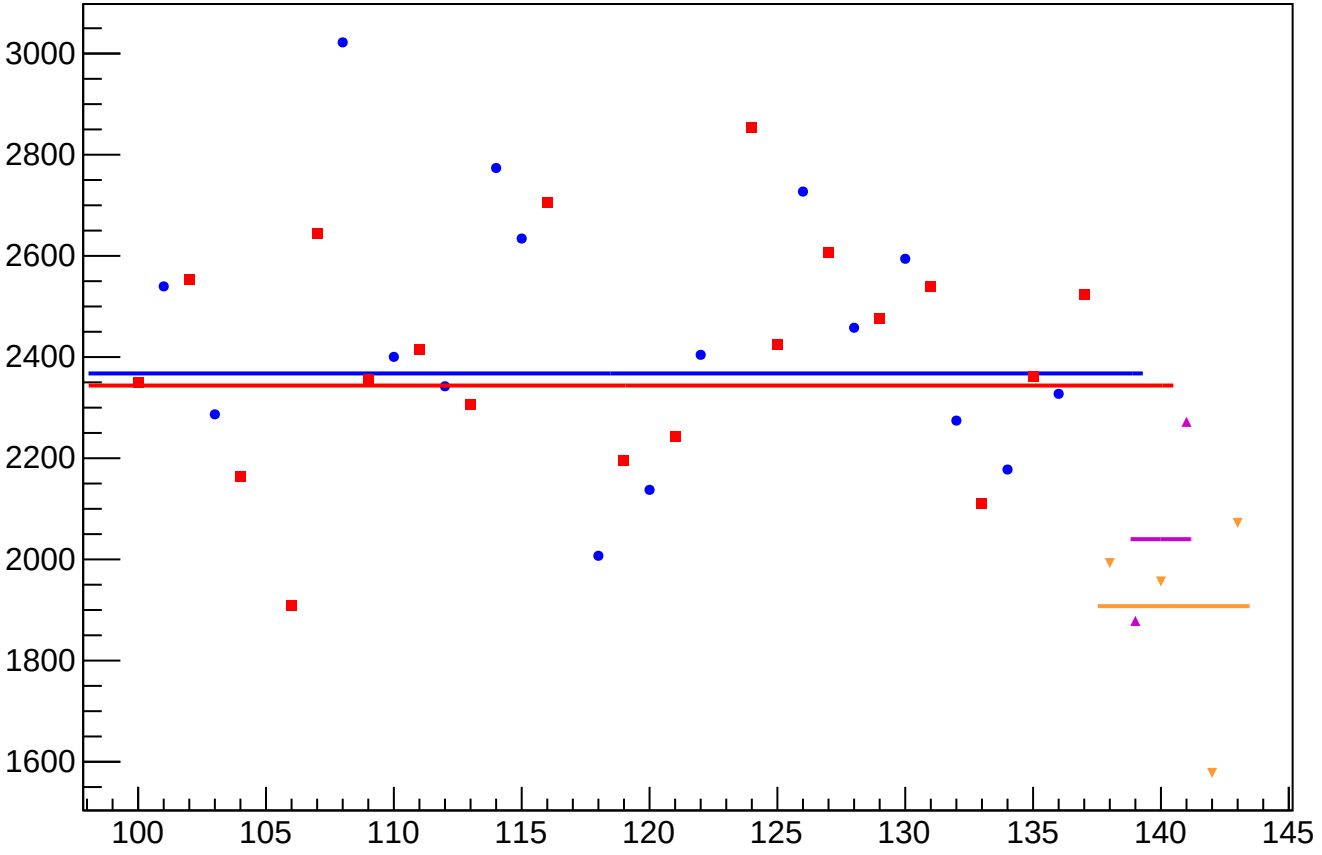
Left In: 114.207+/-1.580 χ^2/NDF:41.0/1

+ sign 66.385+/-0.698 χ^2/NDF: 8671.8/19

All: 48.143+/-0.513 χ^2/NDF: 18933.7/40

- sign 26.738+/-0.756 χ^2/NDF: 8776.8/20

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1907.618+/-0.802 χ^2/NDF:52600.6/3

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

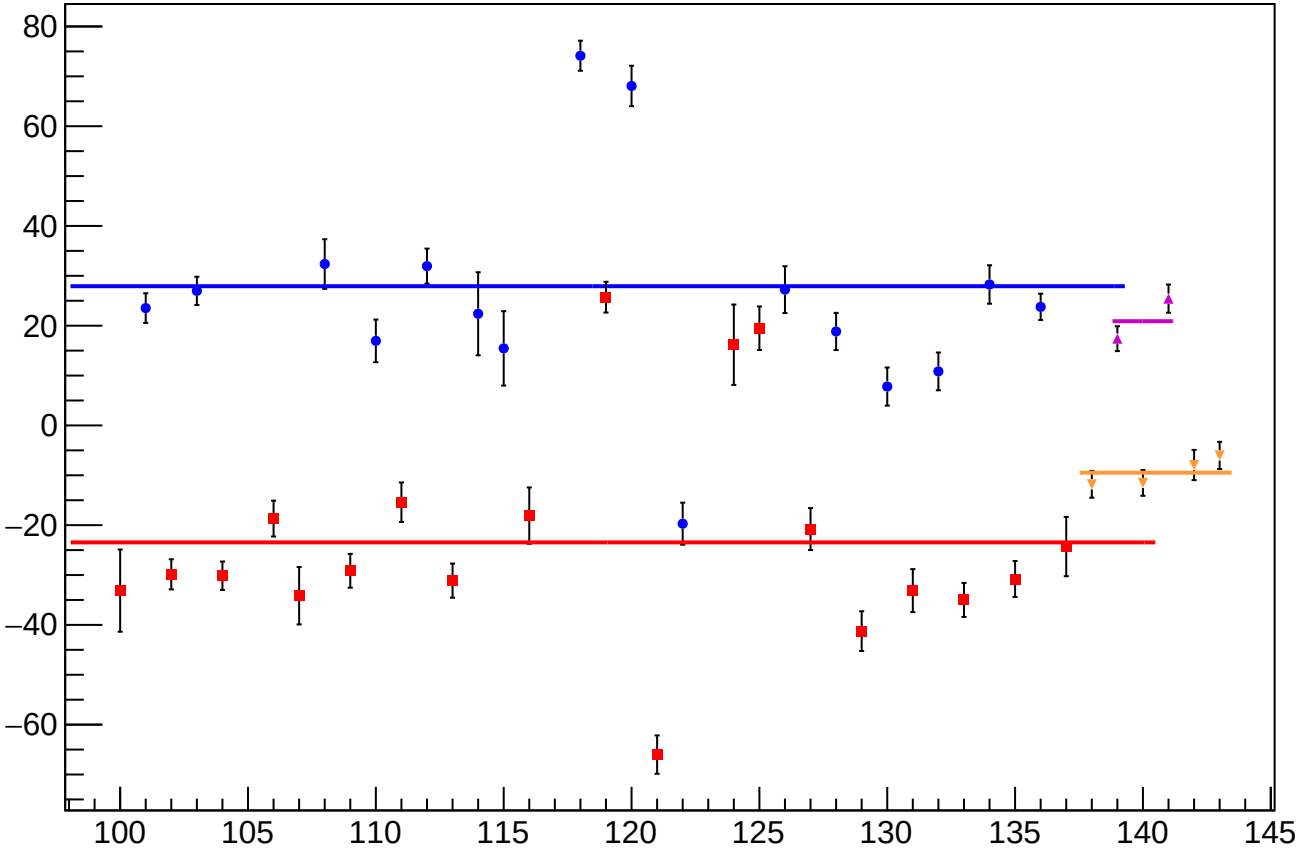
Left In: 2040.008+/-1.118 χ^2/NDF:30017.8/1

+ sign 2193.425+/-0.493 χ^2/NDF: 383845.4/19

All: 2230.598+/-0.363 χ^2/NDF: 595427.3/40

- sign 2274.219+/-0.535 χ^2/NDF: 199247.7/20

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.478+/-1.372 χ^2/NDF:3.2/3

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

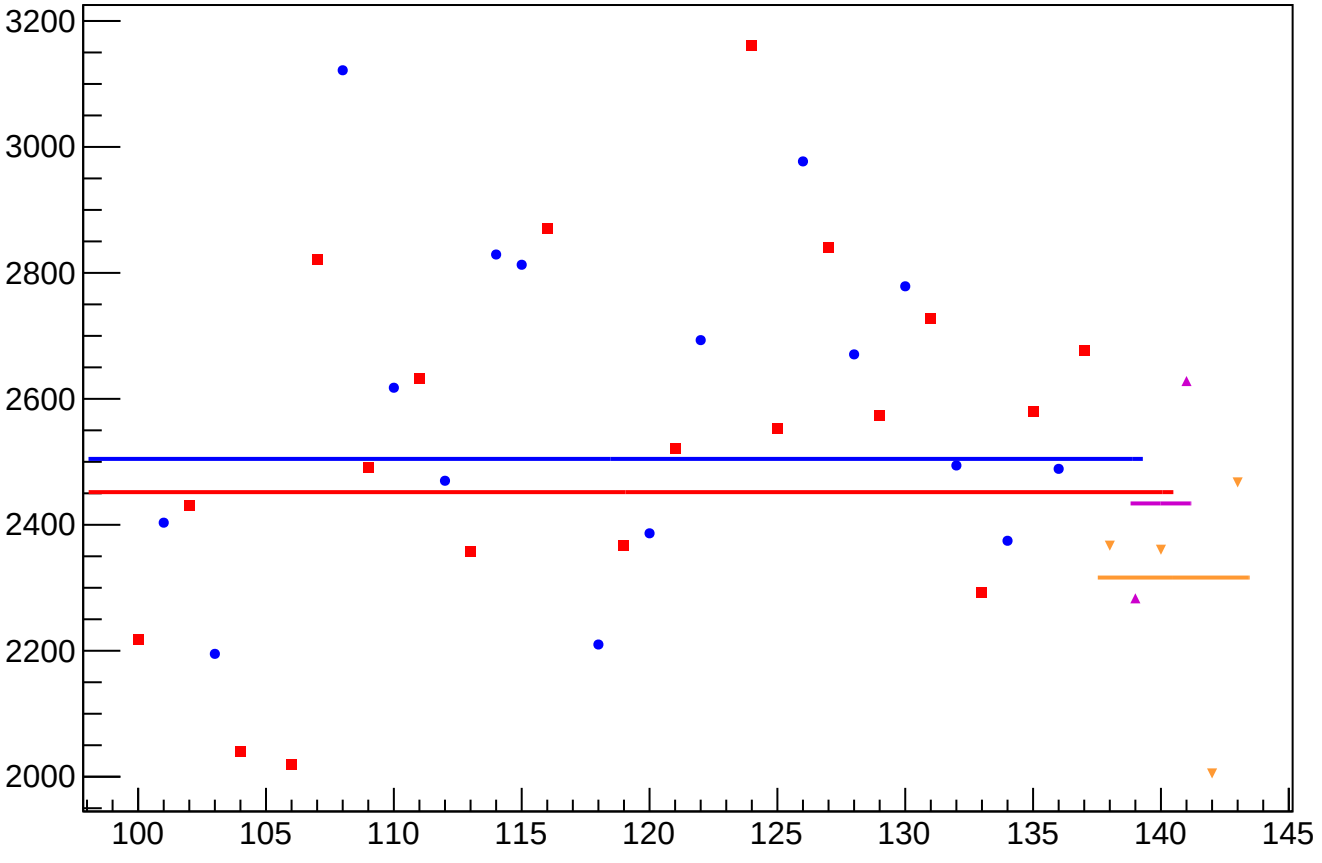
Left In: 20.900+/-1.869 χ^2/NDF:4.5/1

+ sign 16.028+/-0.774 χ^2/NDF: 1040.5/19

All: 1.246+/-0.560 χ^2/NDF: 2837.6/40

- sign -15.071+/-0.813 χ^2/NDF: 1029.0/20

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2316.247+/-0.970 χ^2/NDF:28465.9/3

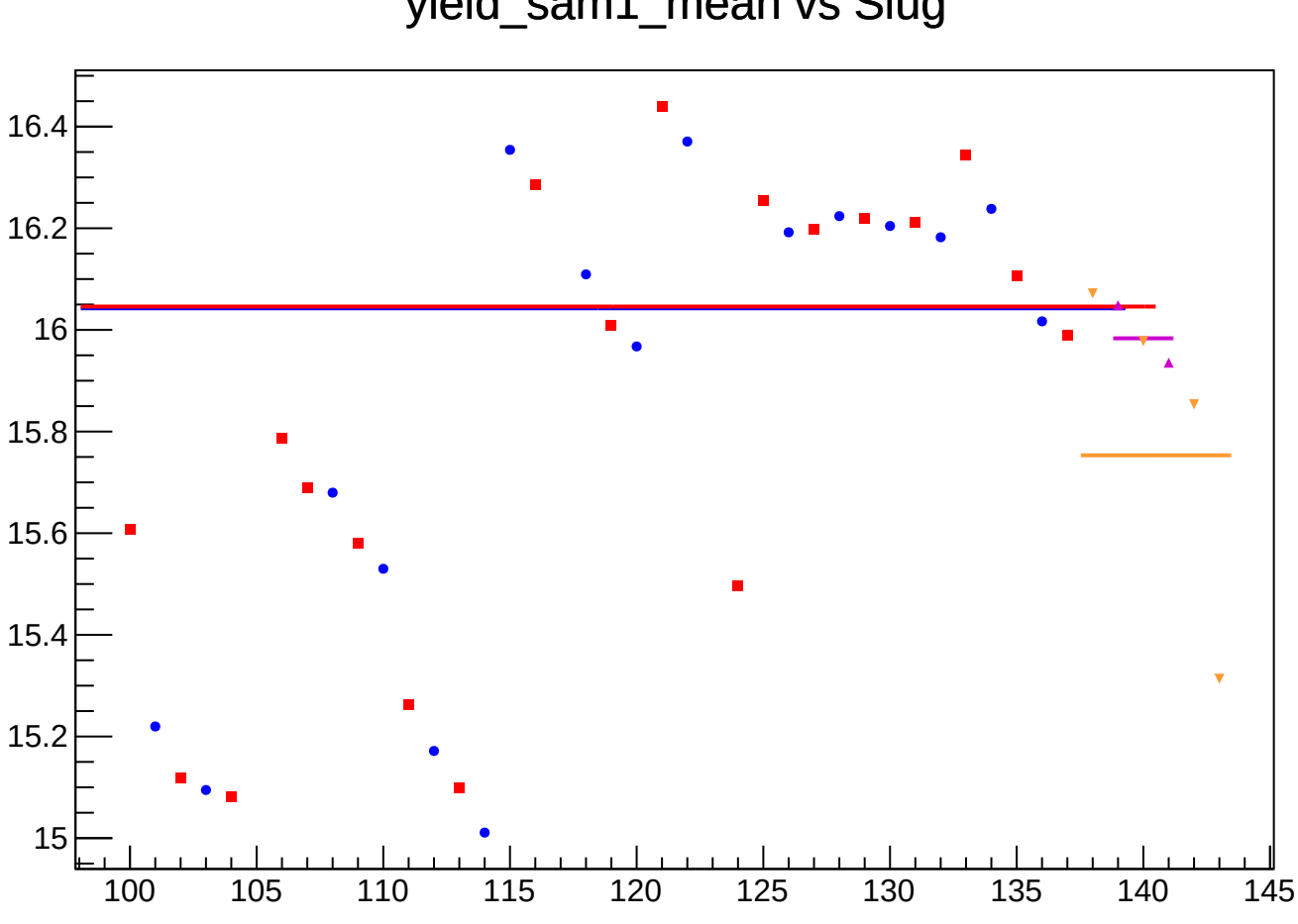
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2433.937+/-1.322 χ^2/NDF:16755.0/1

+ sign 2444.755+/-0.547 χ^2/NDF: 180785.8/19

All: 2446.529+/-0.396 χ^2/NDF: 350949.5/40

- sign 2448.488+/-0.575 χ^2/NDF: 170141.5/20



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.753+/-0.000 χ^2/NDF:3241783229.1/3

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

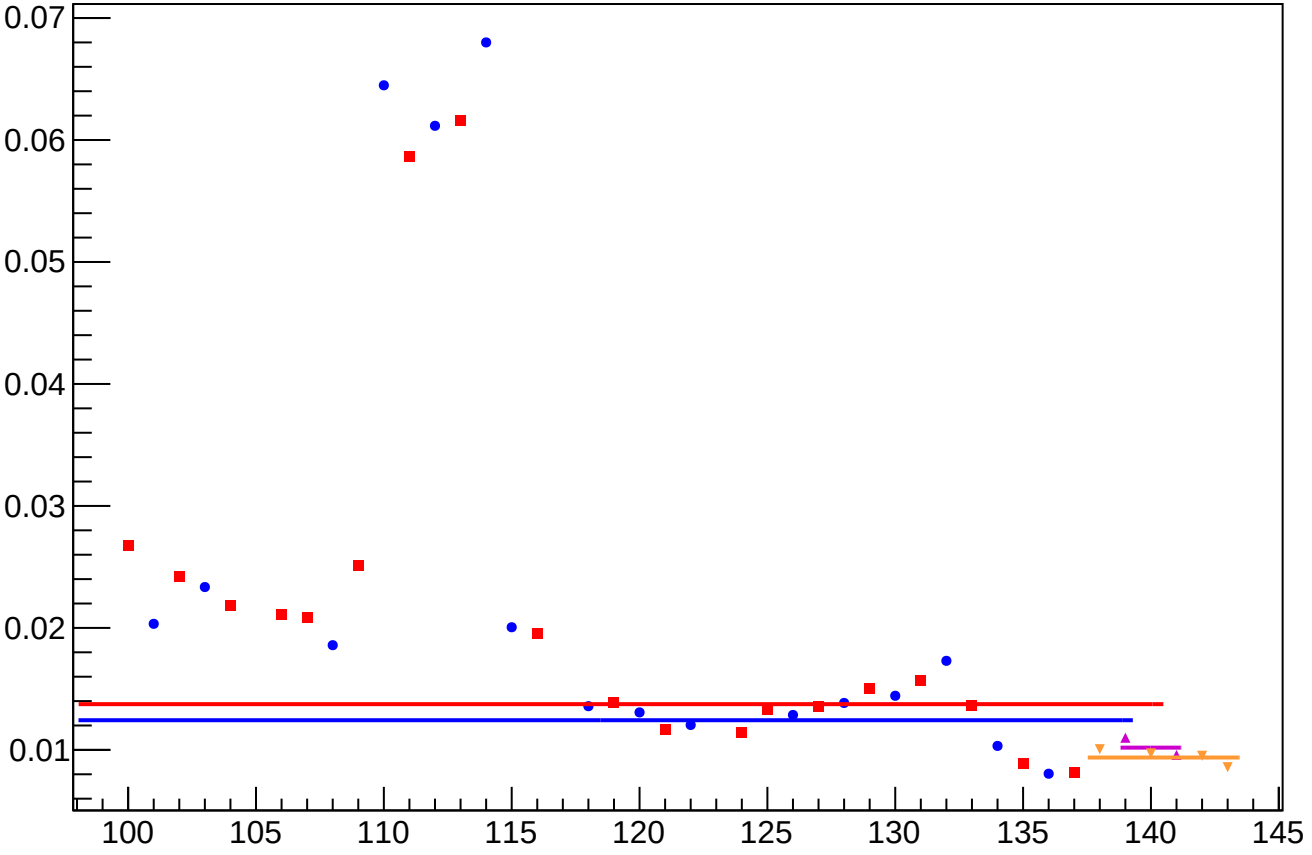
Left In: 15.983+/-0.000 χ^2/NDF:48962310.0/1

+ sign 15.908+/-0.000 χ^2/NDF: 7466106390.2/19

All: 15.956+/-0.000 χ^2/NDF: 11473749459.8

- sign 16.025+/-0.000 χ^2/NDF: 3641465161.2/20

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:22055.7/3

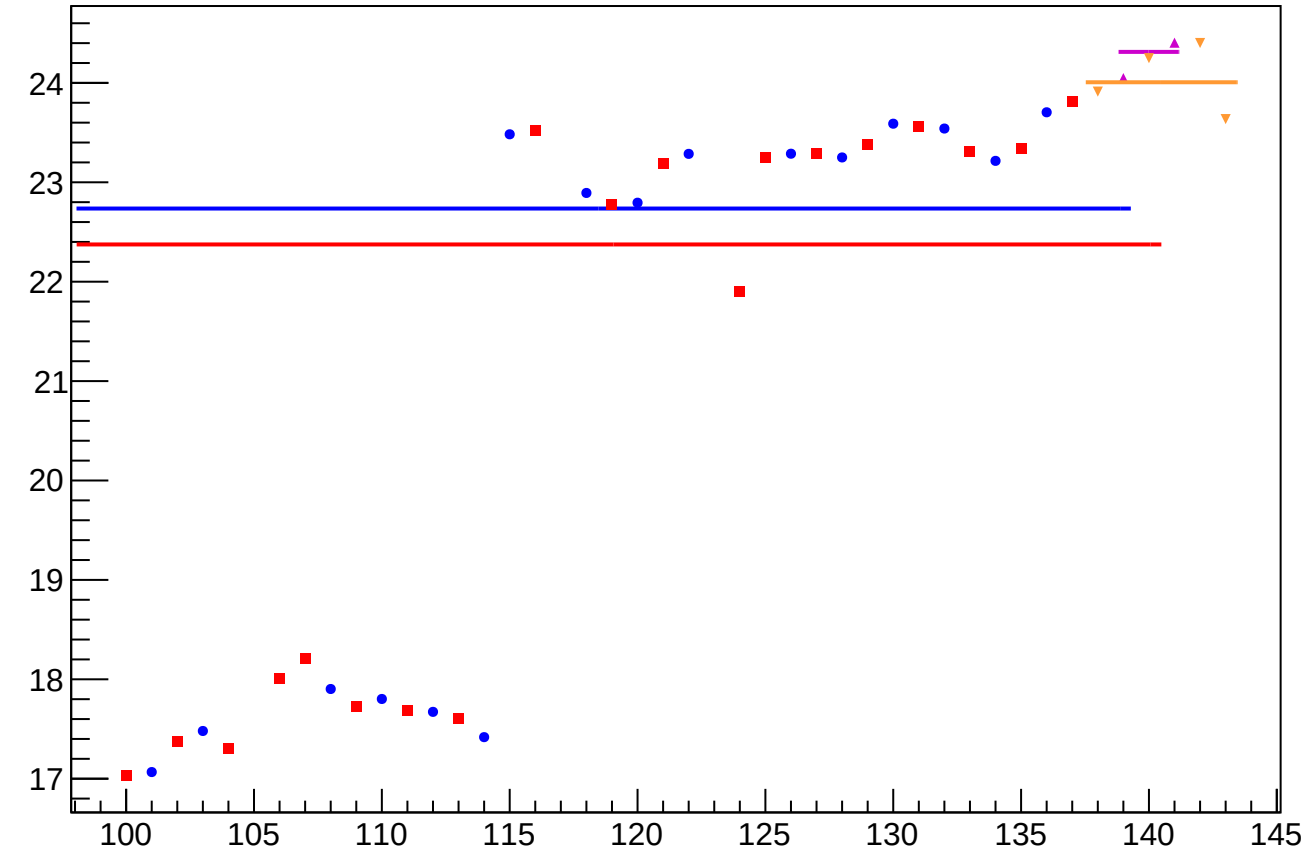
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.010+/-0.000 χ^2/NDF:15324.0/1

+ sign 0.011+/-0.000 χ^2/NDF: 2647819.6/19

All: 0.012+/-0.000 χ^2/NDF: 5280377.6/40

- sign 0.013+/-0.000 χ^2/NDF: 2508399.2/20



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.006+/-0.000 χ^2/NDF:19679526.5/3

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

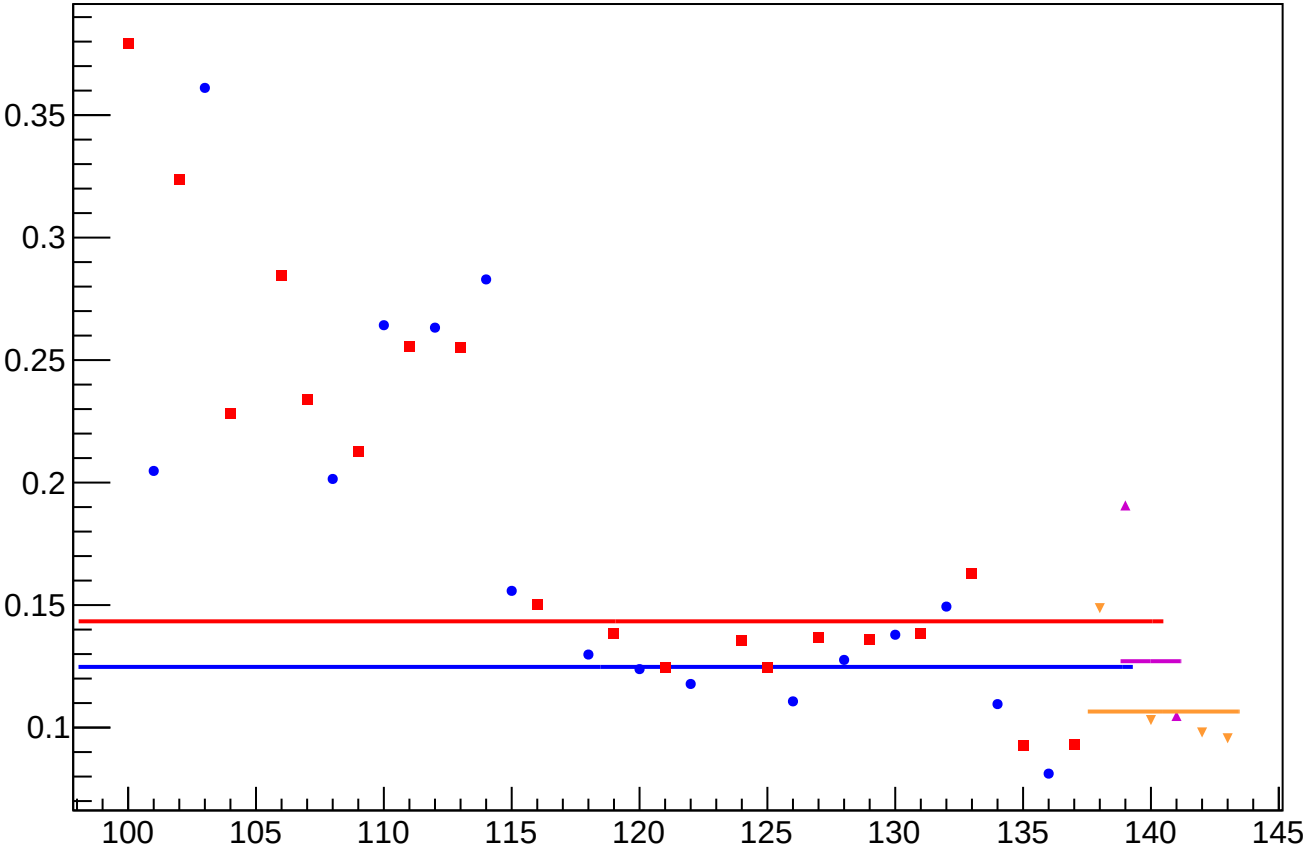
Left In: 24.312+/-0.000 χ^2/NDF:2161256.9/1

+ sign 23.208+/-0.000 χ^2/NDF: 1446246222.7/19

All: 23.060+/-0.000 χ^2/NDF: 2946108470.6/4

- sign 22.841+/-0.000 χ^2/NDF: 1470273799.7/20

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.107+/-0.000 χ^2/NDF:135977.8/3

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

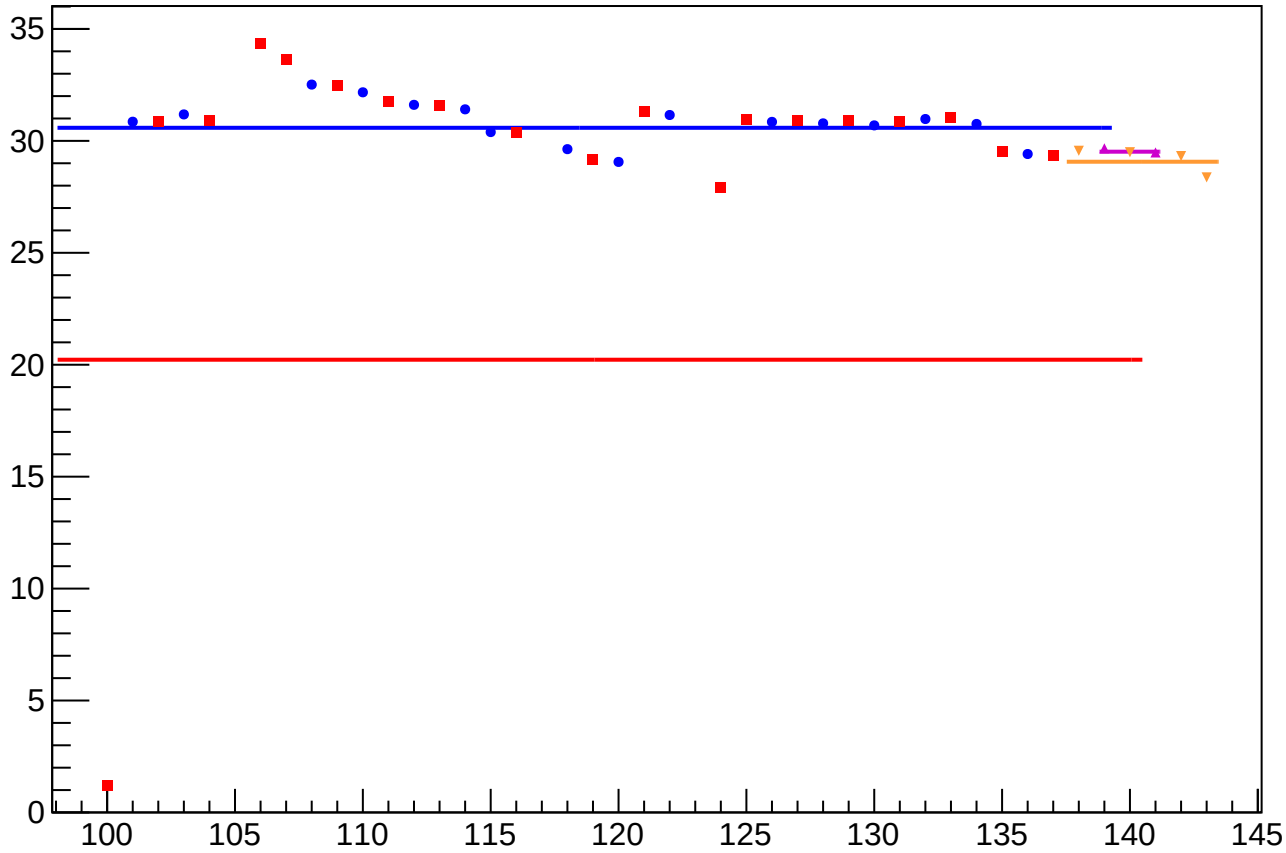
Left In: 0.127+/-0.000 χ^2/NDF:251752.3/1

+ sign 0.118+/-0.000 χ^2/NDF: 1970458.7/19

All: 0.127+/-0.000 χ^2/NDF: 4030398.8/40

- sign 0.139+/-0.000 χ^2/NDF: 1857516.9/20

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.069+/-0.000 χ^2/NDF:96330282.4/3

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

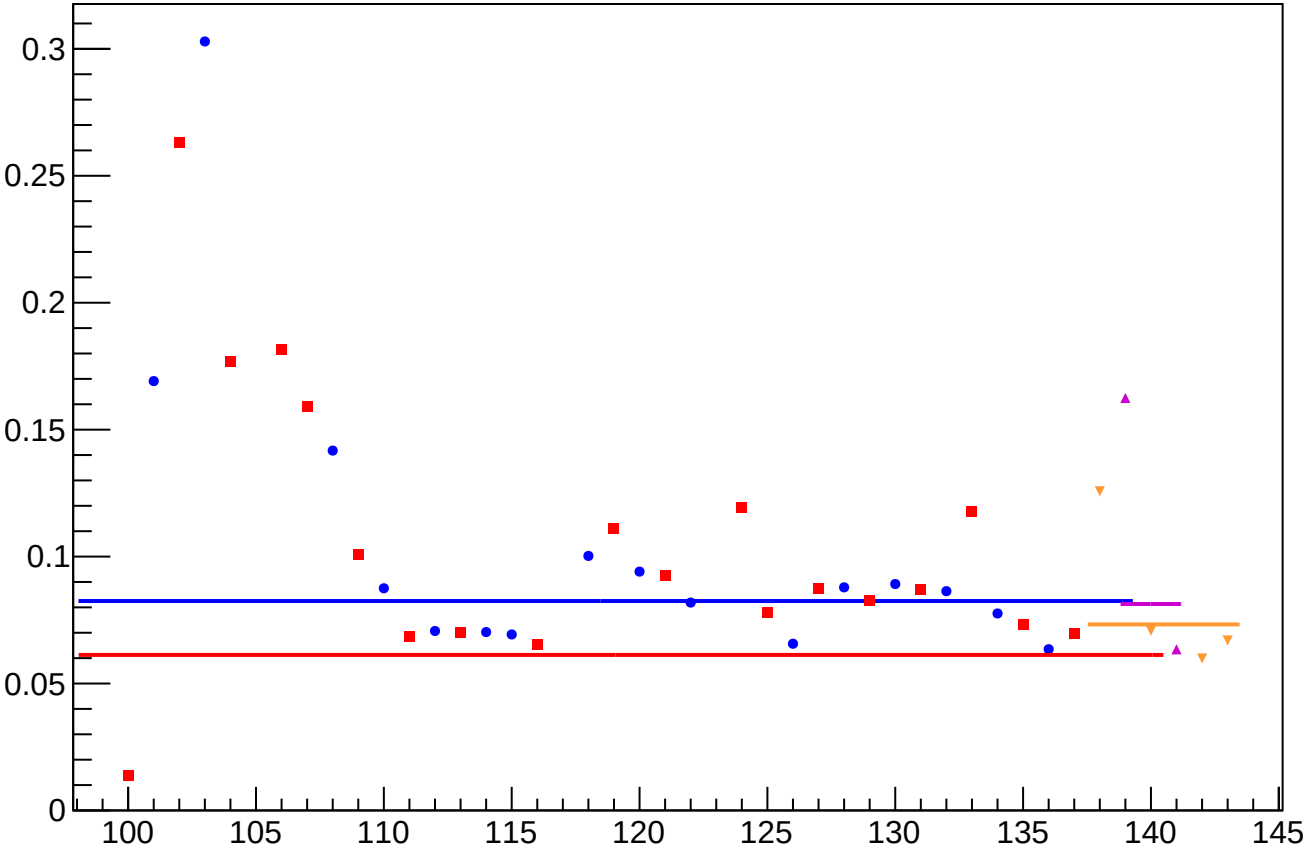
Left In: 29.517+/-0.000 χ^2/NDF:881061.0/1

+ sign 30.105+/-0.000 χ^2/NDF: 1311554801.9/19

All: 25.572+/-0.000 χ^2/NDF: 279674198321.

- sign 21.507+/-0.000 χ^2/NDF: 234240527060.1/20

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.073+/-0.000 χ^2/NDF:266995.7/3

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

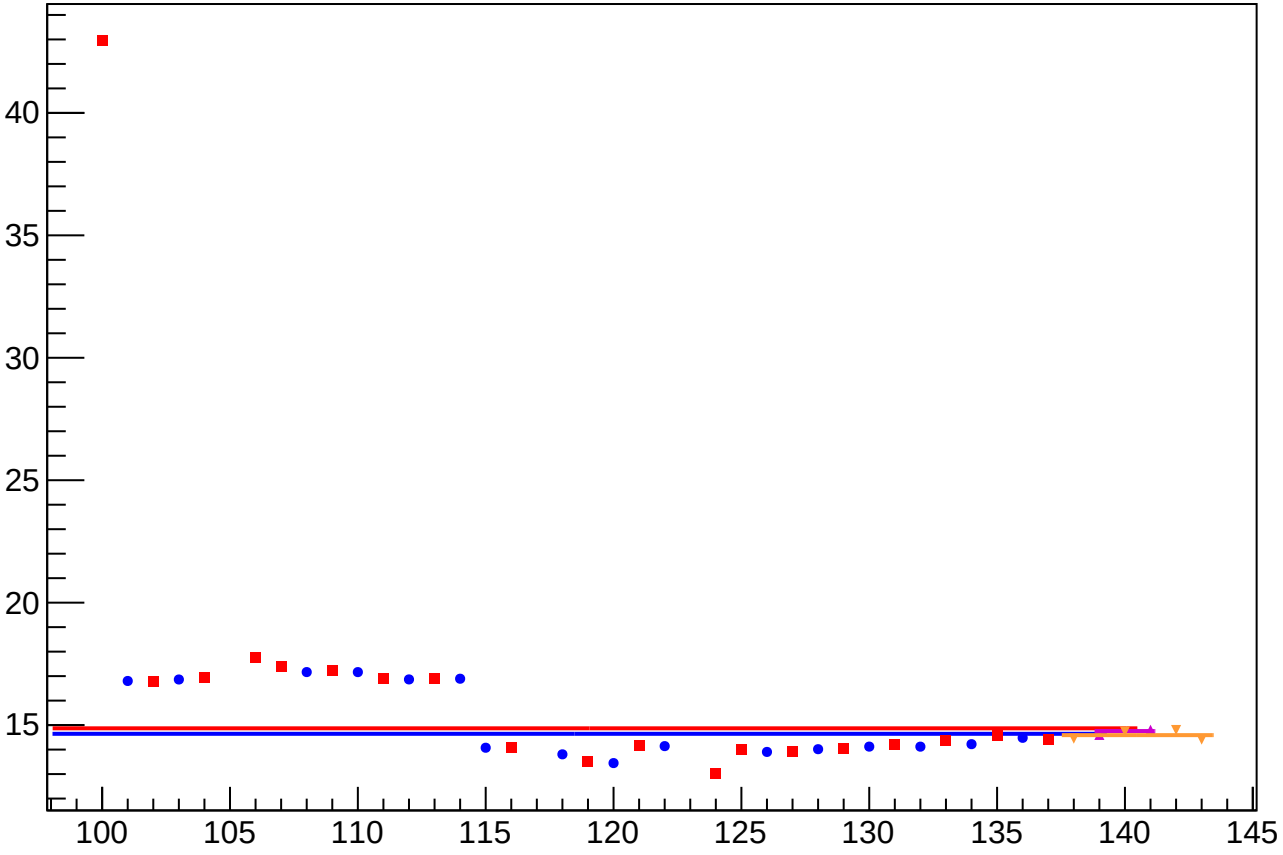
Left In: 0.081+/-0.000 χ^2/NDF:505053.7/1

+ sign 0.080+/-0.000 χ^2/NDF: 1570097.5/19

All: 0.071+/-0.000 χ^2/NDF: 6498953.9/40

- sign 0.064+/-0.000 χ^2/NDF: 4640304.0/20

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 14.590+/-0.000 χ^2/NDF:12800836.5/3

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

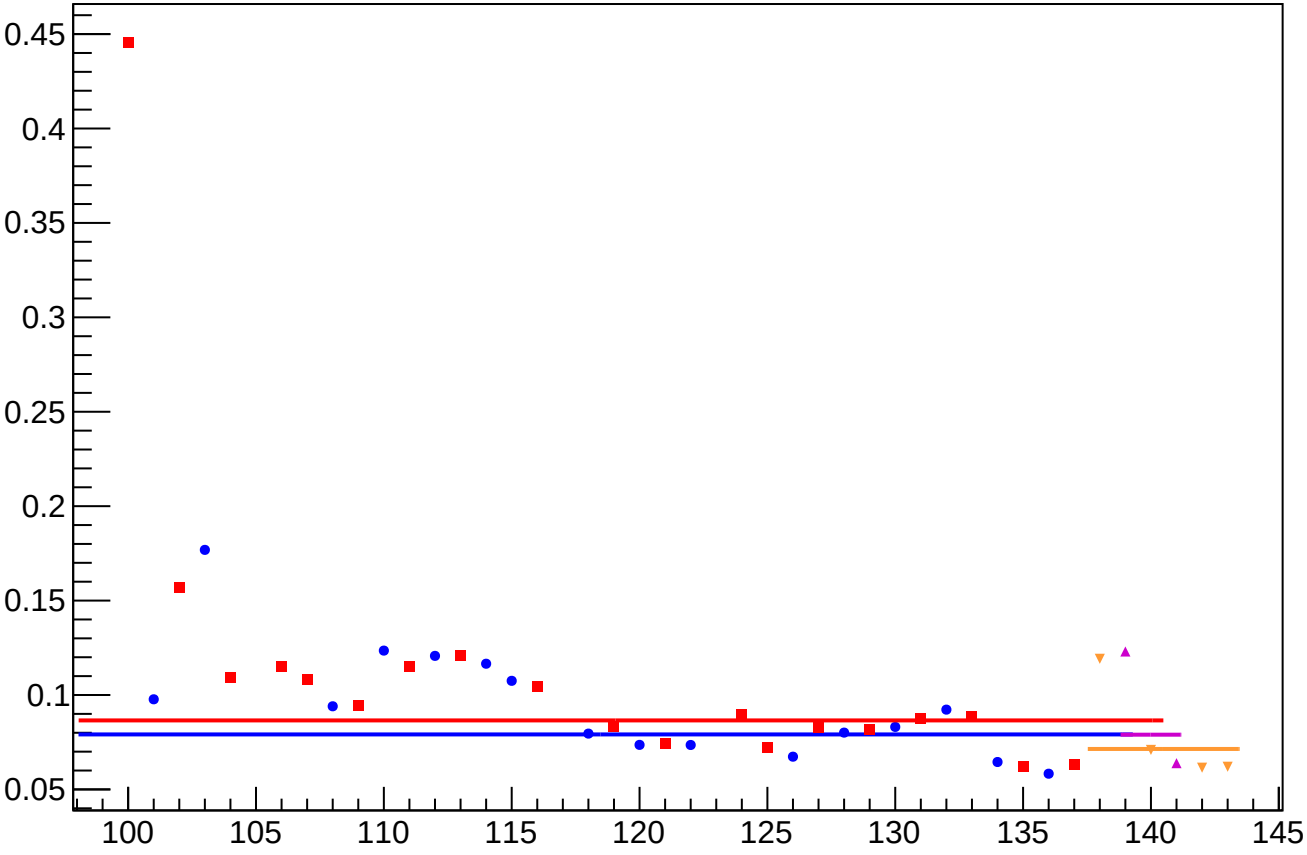
Left In: 14.757+/-0.000 χ^2/NDF:1795161.5/1

+ sign 14.628+/-0.000 χ^2/NDF: 1207561822.2/19

All: 14.722+/-0.000 χ^2/NDF: 2969230682.3/4

- sign 14.845+/-0.000 χ^2/NDF: 1733916568.9/20

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.071+/-0.000 χ^2/NDF:274413.3/3

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

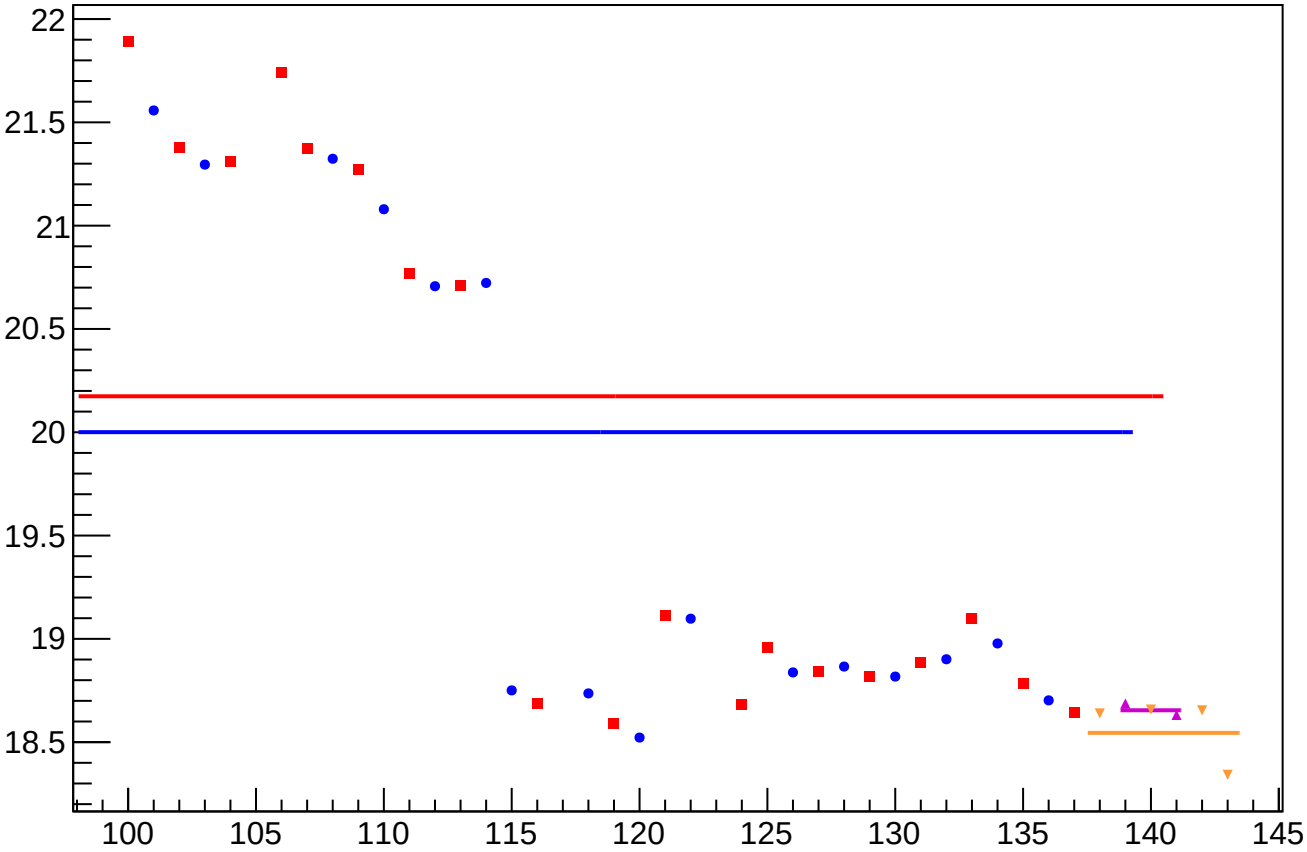
Left In: 0.079+/-0.000 χ^2/NDF:281880.3/1

+ sign 0.077+/-0.000 χ^2/NDF: 1226780.6/19

All: 0.080+/-0.000 χ^2/NDF: 2400684.6/40

- sign 0.085+/-0.000 χ^2/NDF: 1094488.0/20

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.545+/-0.000 χ^2/NDF:53418196.3/3

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

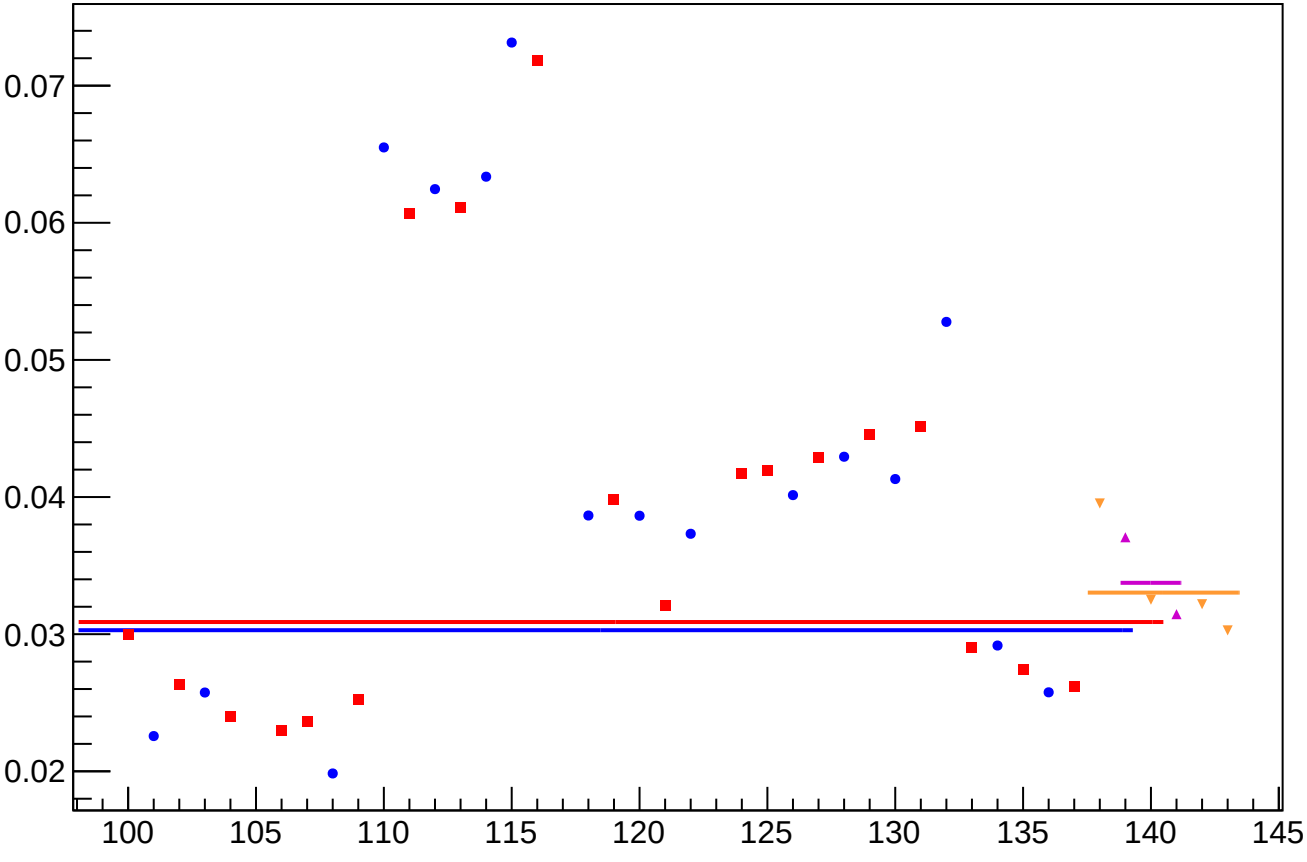
Left In: 18.654+/-0.000 χ^2/NDF:1053320.6/1

+ sign 19.600+/-0.000 χ^2/NDF: 14722854403.7/19

All: 19.741+/-0.000 χ^2/NDF: 28239444807.1

- sign 19.901+/-0.000 χ^2/NDF: 13134415888.1/20

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:53816.0/3

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

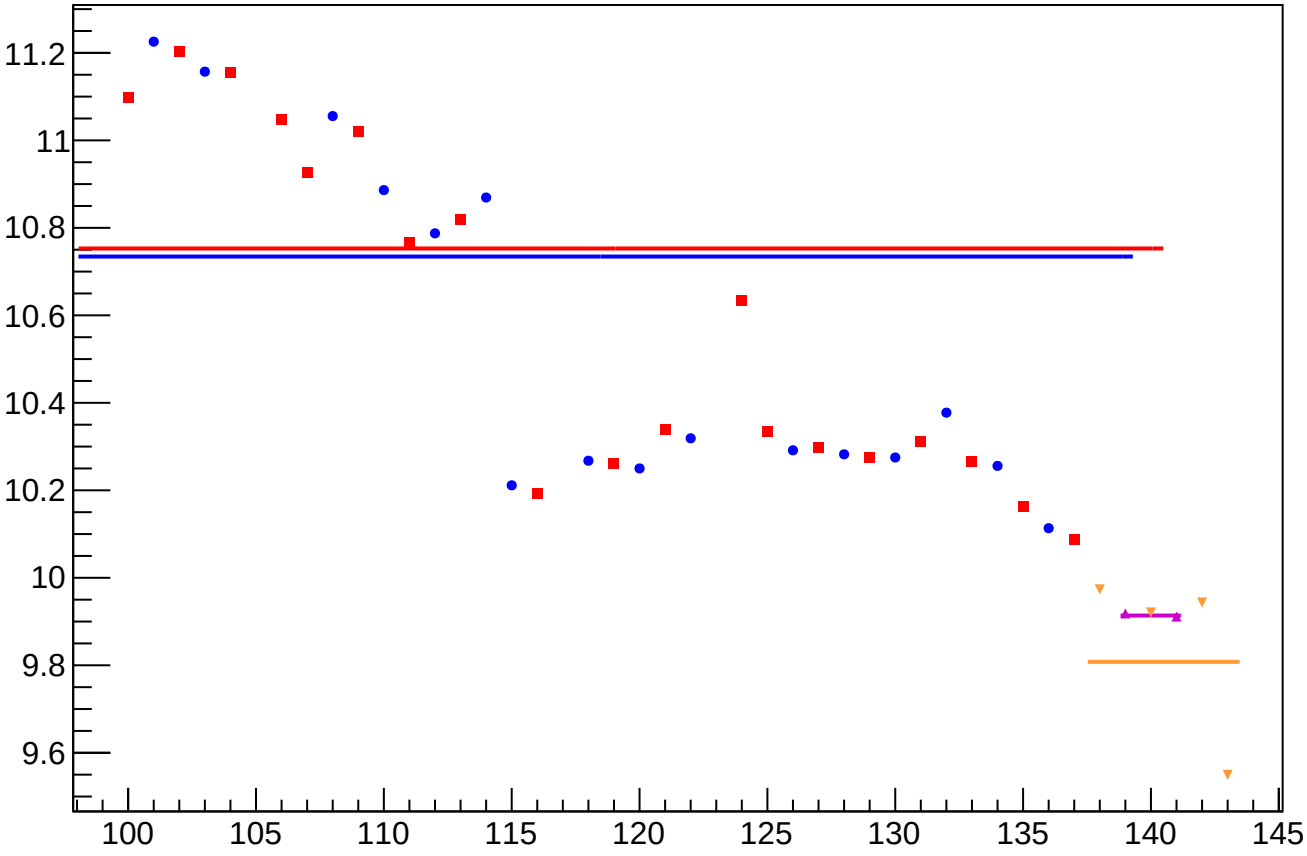
Left In: 0.034+/-0.000 χ^2/NDF:21697.1/1

+ sign 0.031+/-0.000 χ^2/NDF: 1528081.9/19

All: 0.031+/-0.000 χ^2/NDF: 2774723.8/40

- sign 0.031+/-0.000 χ^2/NDF: 1245576.8/20

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.808+/-0.000 χ^2/NDF:269850631.0/3

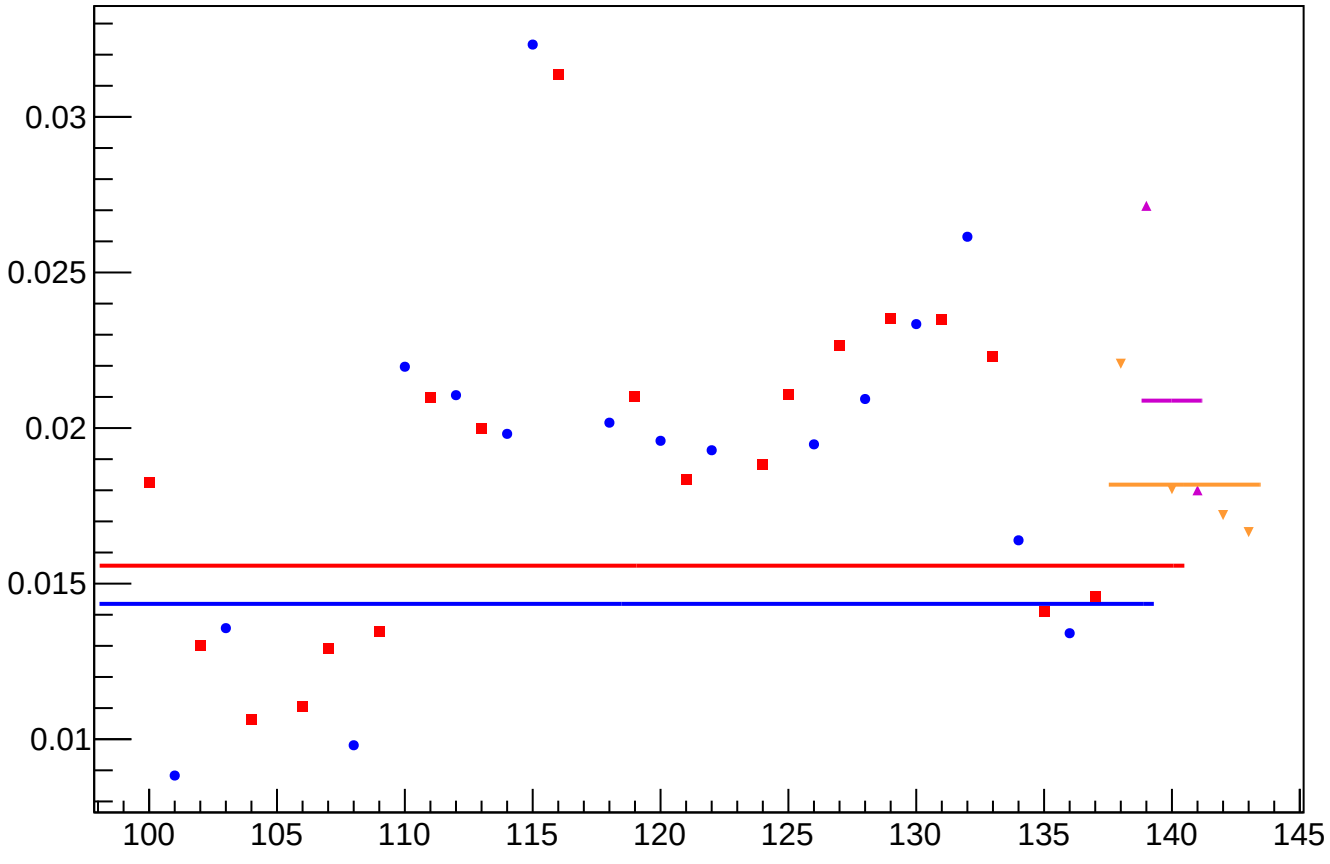
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.914+/-0.000 χ^2/NDF:39953.0/1

+ sign 10.532+/-0.000 χ^2/NDF: 11327564635.1/19

All: 10.585+/-0.000 χ^2/NDF: 18106894375.4

- sign 10.649+/-0.000 χ^2/NDF: 6559630797.2/20



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:59161.3/3

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

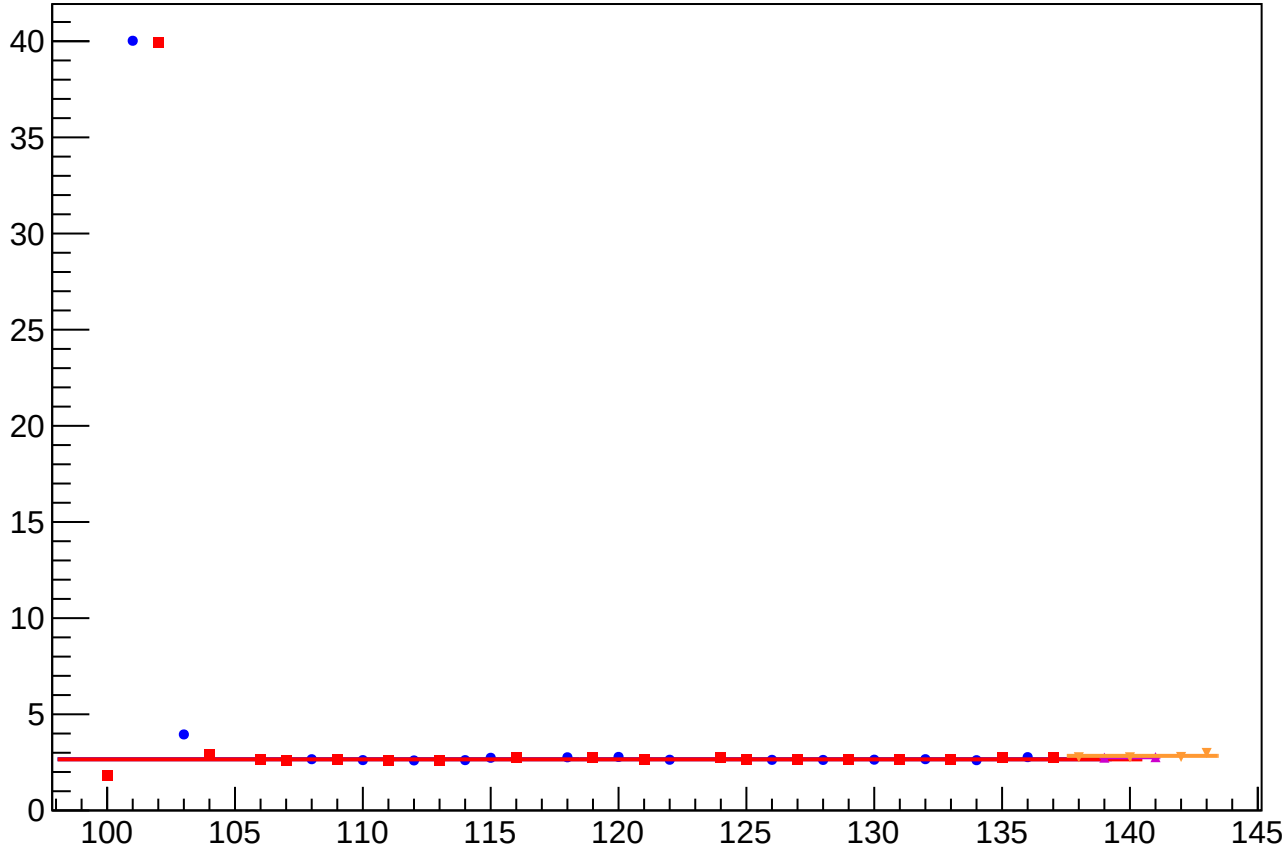
Left In: 0.021+/-0.000 χ^2/NDF:129492.0/1

+ sign 0.015+/-0.000 χ^2/NDF: 1718099.4/19

All: 0.016+/-0.000 χ^2/NDF: 3131443.2/40

- sign 0.016+/-0.000 χ^2/NDF: 1378531.4/20

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.839+/-0.000 χ^2/NDF:3427097878.1/3

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

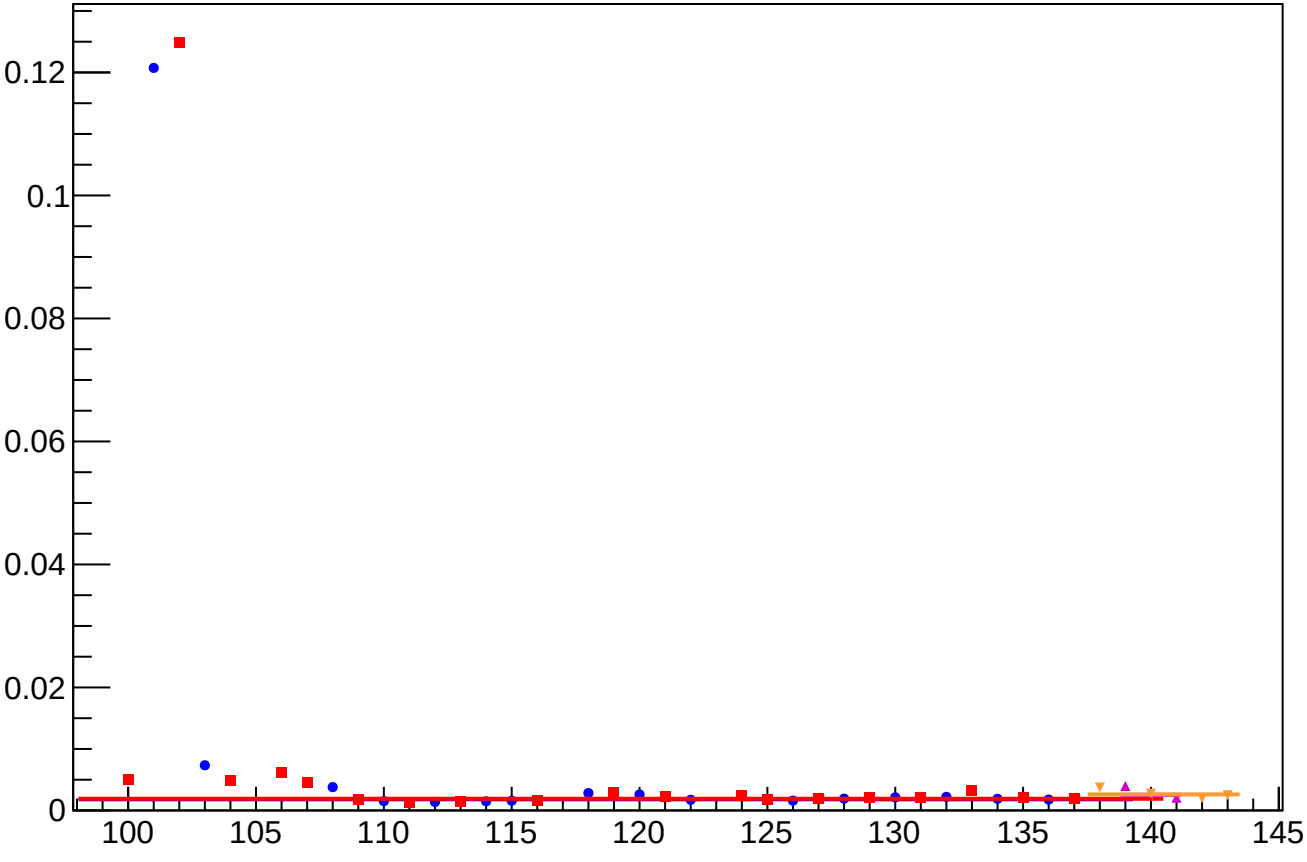
Left In: 2.766+/-0.000 χ^2/NDF:27223053.2/1

+ sign 2.696+/-0.000 χ^2/NDF: 79464149525.7/19

All: 2.684+/-0.000 χ^2/NDF: 147273295088.3

- sign 2.671+/-0.000 χ^2/NDF: 67258110276.8/20

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:200161.0/3

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

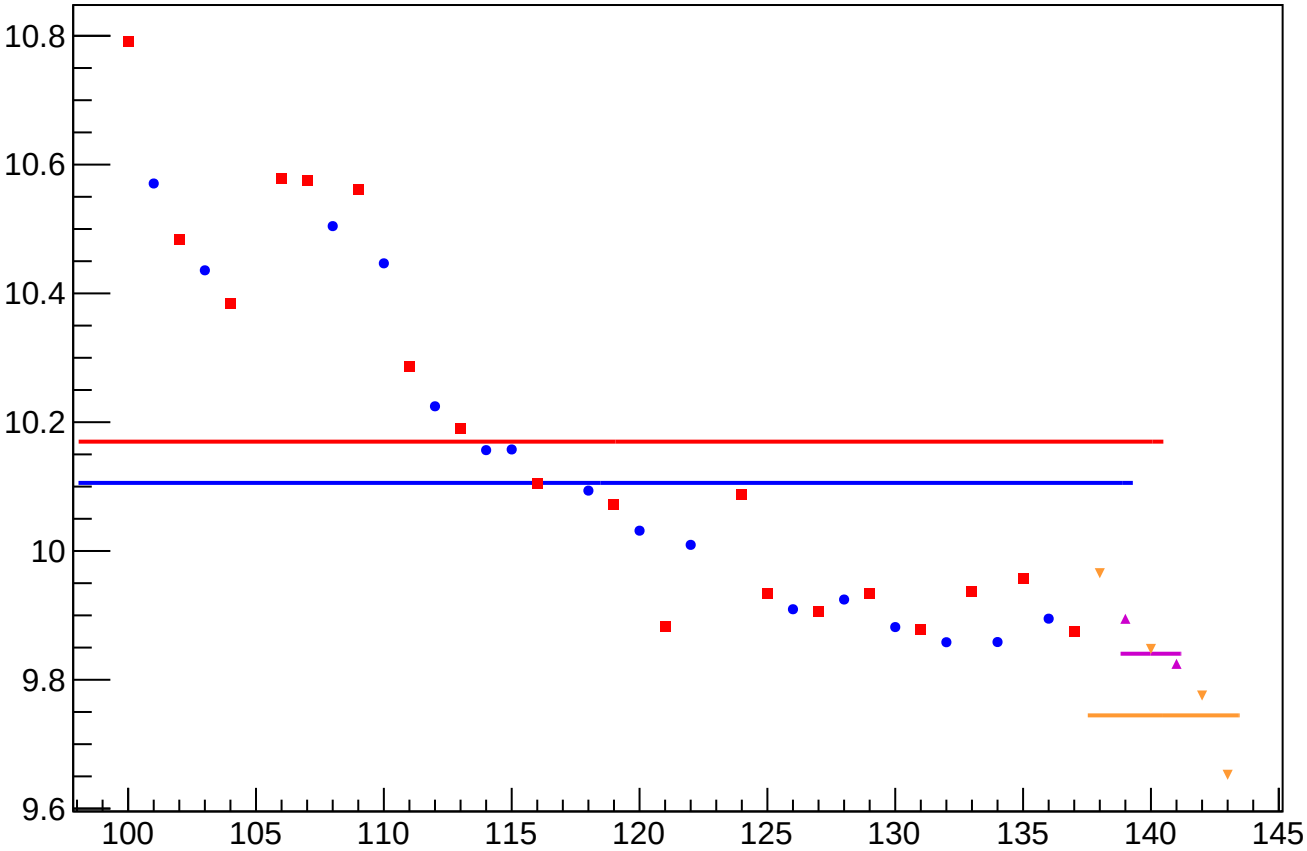
Left In: 0.003+/-0.000 χ^2/NDF:276970.4/1

+ sign 0.002+/-0.000 χ^2/NDF: 2363782.5/19

All: 0.002+/-0.000 χ^2/NDF: 5315225.5/40

- sign 0.002+/-0.000 χ^2/NDF: 2950798.5/20

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.745+/-0.000 χ^2/NDF:529801949.6/3

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

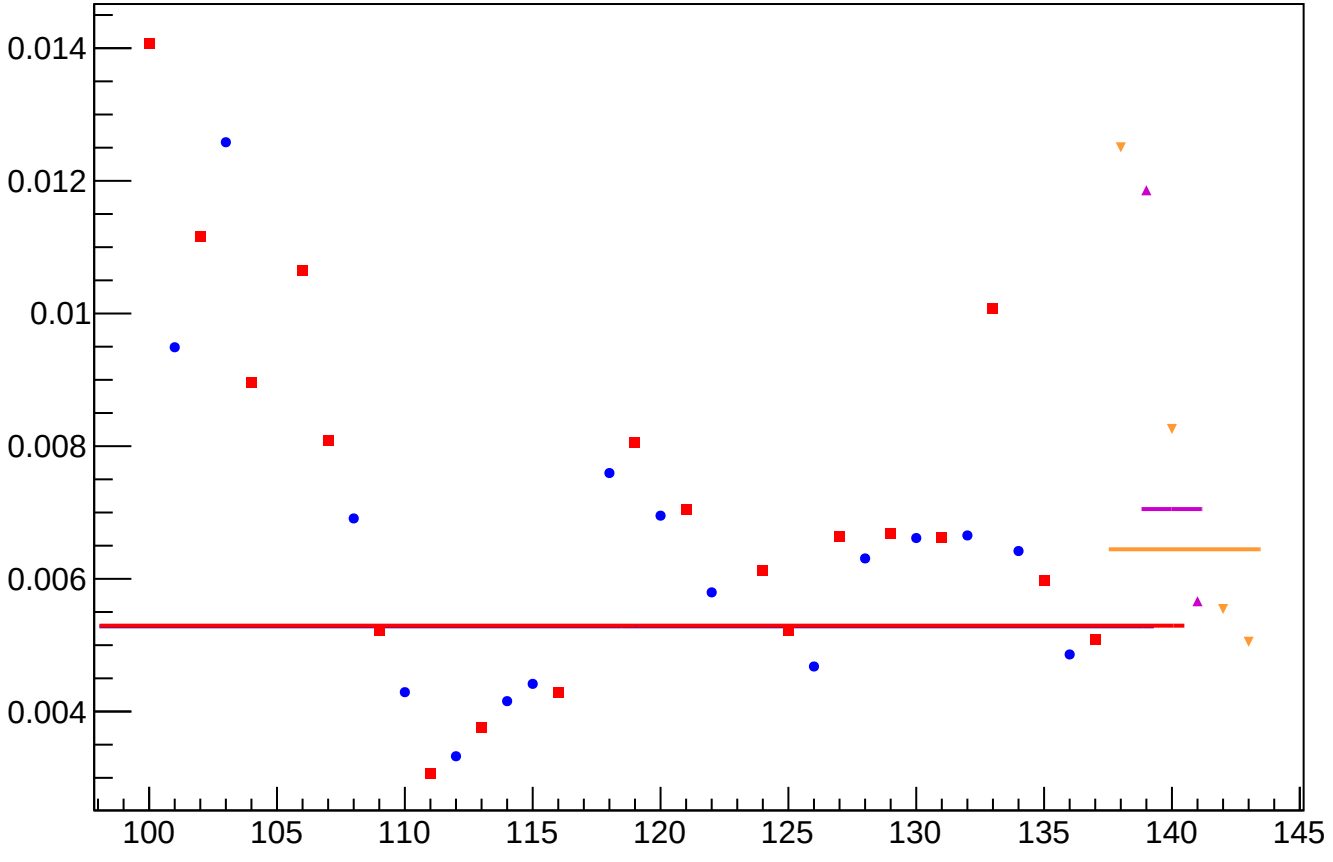
Left In: 9.840+/-0.000 χ^2/NDF:21200876.0/1

+ sign 10.034+/-0.000 χ^2/NDF: 14693914811.9/19

All: 10.081+/-0.000 χ^2/NDF: 27386309187.4

- sign 10.133+/-0.000 χ^2/NDF: 11553912114.7/20

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:498118.4/3

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

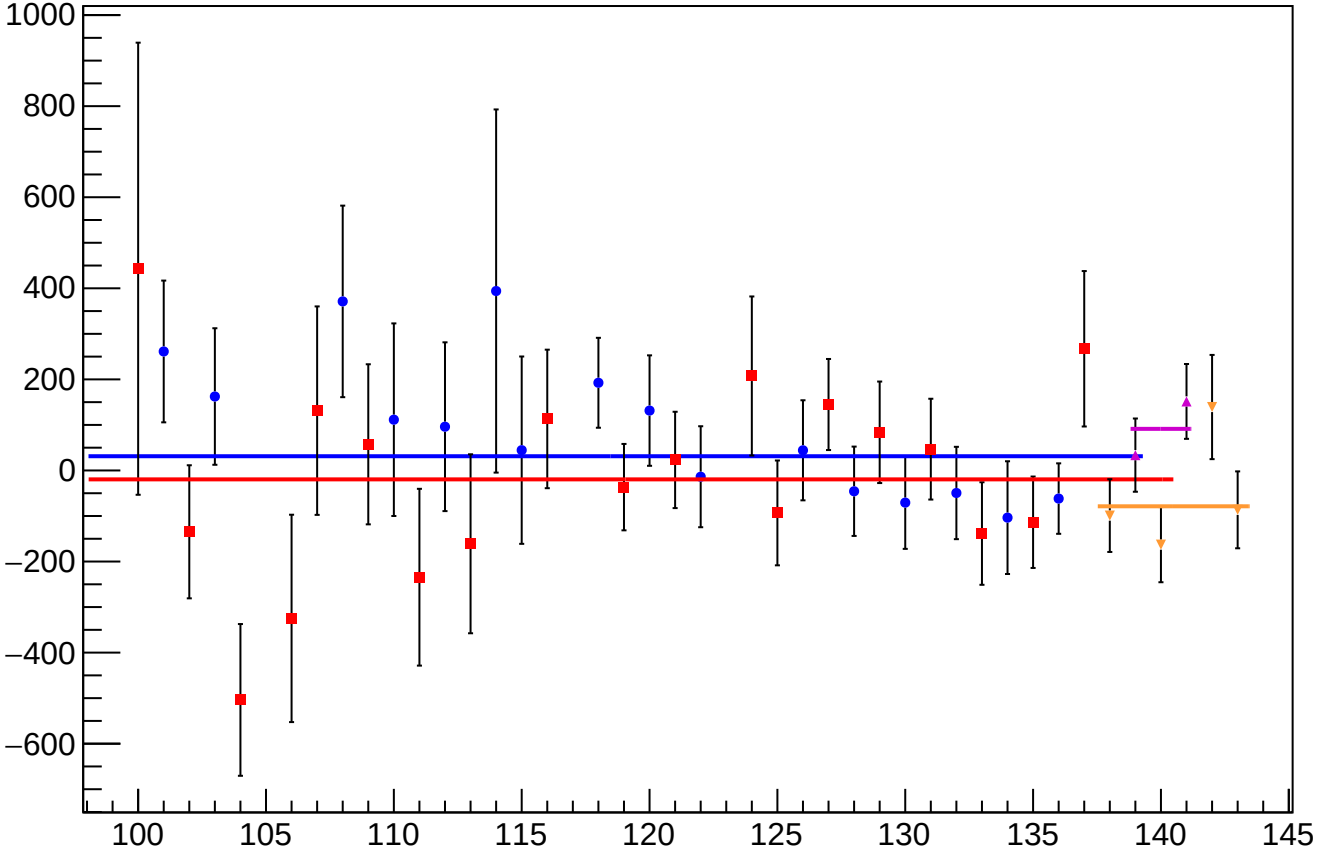
Left In: 0.007+/-0.000 χ^2/NDF:332480.4/1

+ sign 0.006+/-0.000 χ^2/NDF: 1876449.1/19

All: 0.006+/-0.000 χ^2/NDF: 4137945.6/40

- sign 0.005+/-0.000 χ^2/NDF: 2261350.6/20

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.700+/-43.848 χ^2/NDF:4.7/3

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

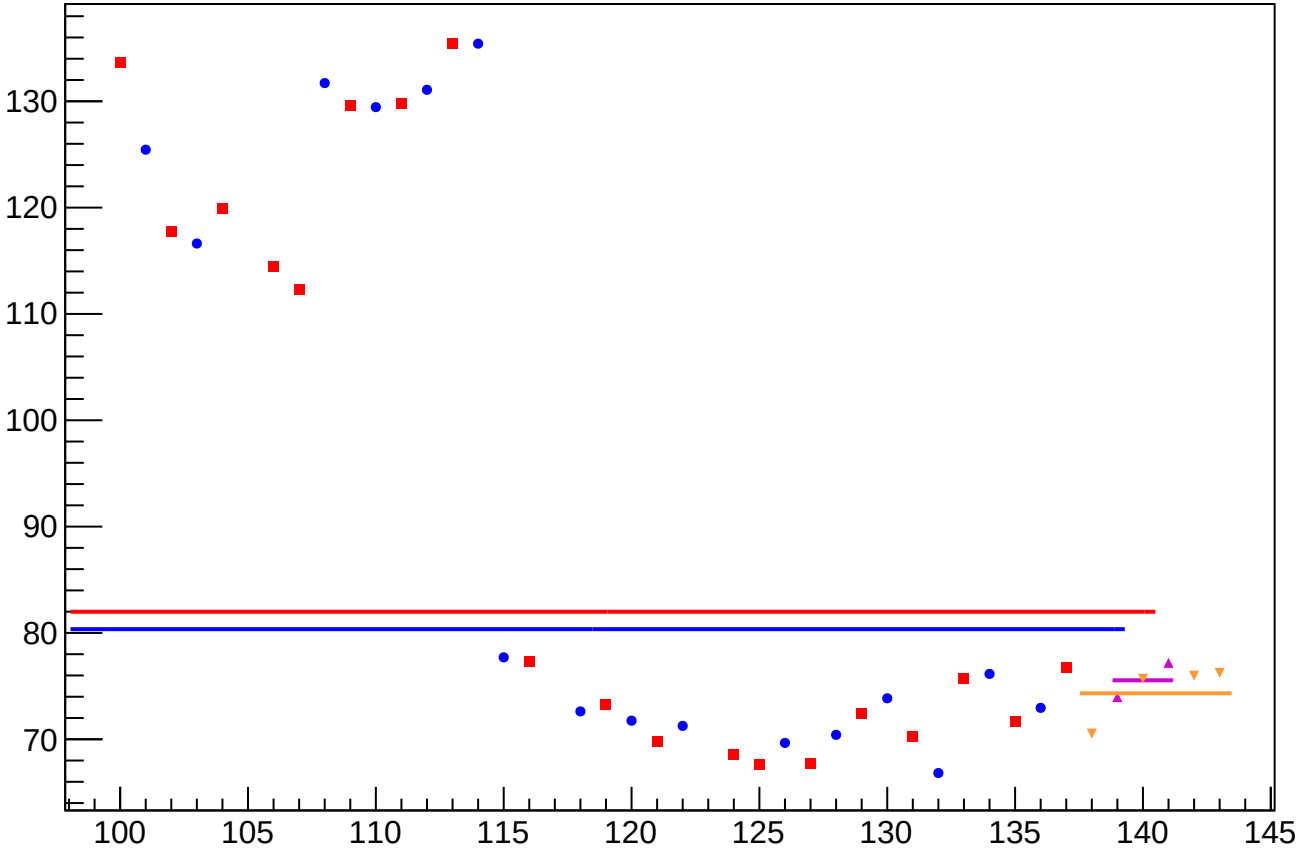
Left In: 91.349+/-57.474 χ^2/NDF:1.1/1

\+ sign -5.055+/-25.196 χ^2/NDF: 24.0/19

All: -0.205+/-18.523 χ^2/NDF: 54.0/40

\- sign 5.498+/-27.324 χ^2/NDF: 29.8/20

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

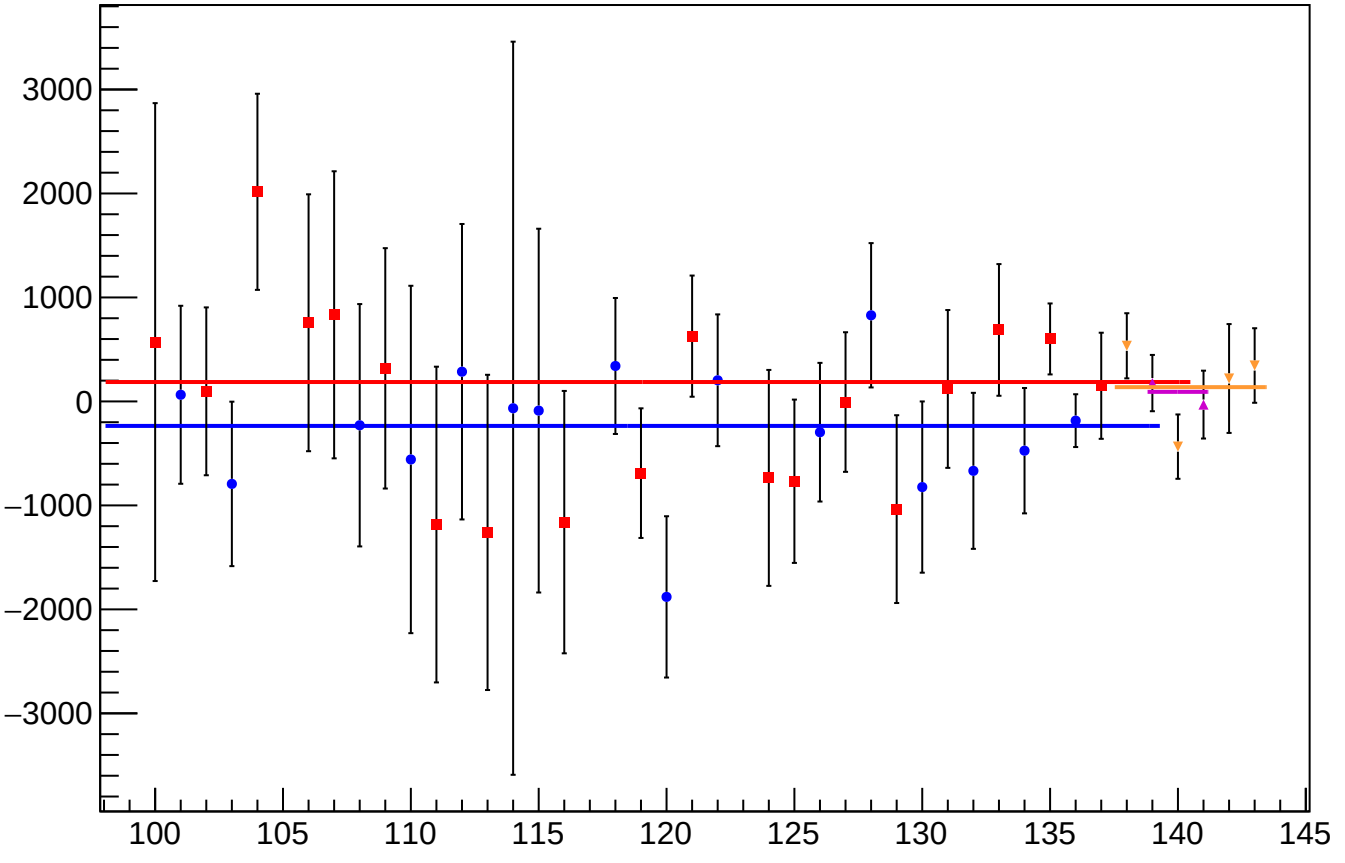
Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

+ sign 78.363+/-0.018 χ^2/NDF: 871881.5/19

All: 79.361+/-0.013 χ^2/NDF: 1832104.9/40

- sign 80.536+/-0.019 χ^2/NDF: 953388.4/20

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.359+/-176.595 χ^2/NDF:5.4/3

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

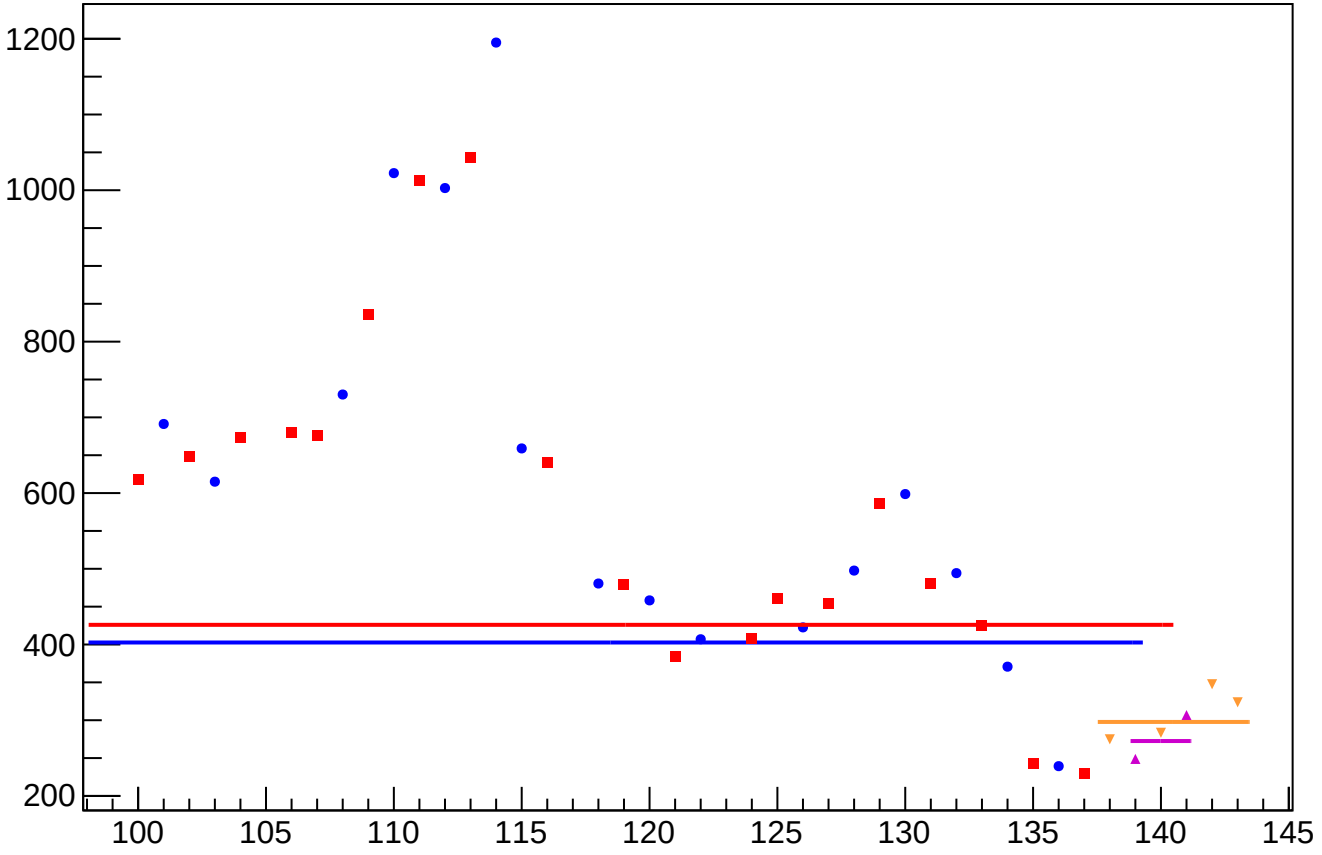
Left In: 92.033+/-208.379 χ^2/NDF:0.2/1

\+ sign -63.117+/-120.079 χ^2/NDF: 17.7/19

All: 32.878+/-88.797 χ^2/NDF: 35.5/40

\- sign 148.717+/-131.908 χ^2/NDF: 16.3/20

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 297.731+/-0.125 χ^2/NDF:43557.2/3

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

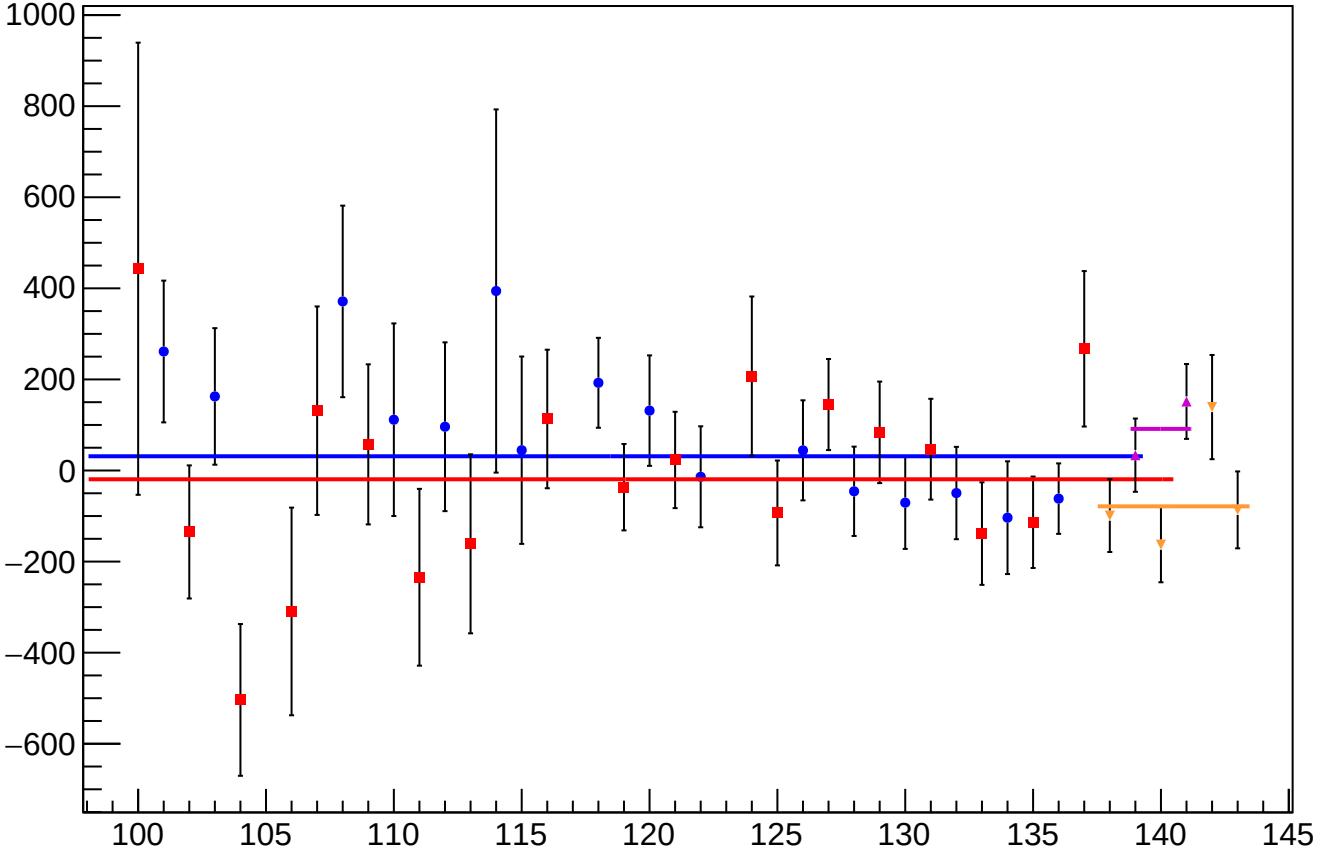
Left In: 272.510+/-0.147 χ^2/NDF:37258.4/1

+ sign 354.144+/-0.085 χ^2/NDF: 2783261.8/19

All: 358.829+/-0.063 χ^2/NDF: 5846164.9/40

- sign 364.482+/-0.093 χ^2/NDF: 3056184.9/20

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.697+/-43.848 χ^2/NDF:4.7/3

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

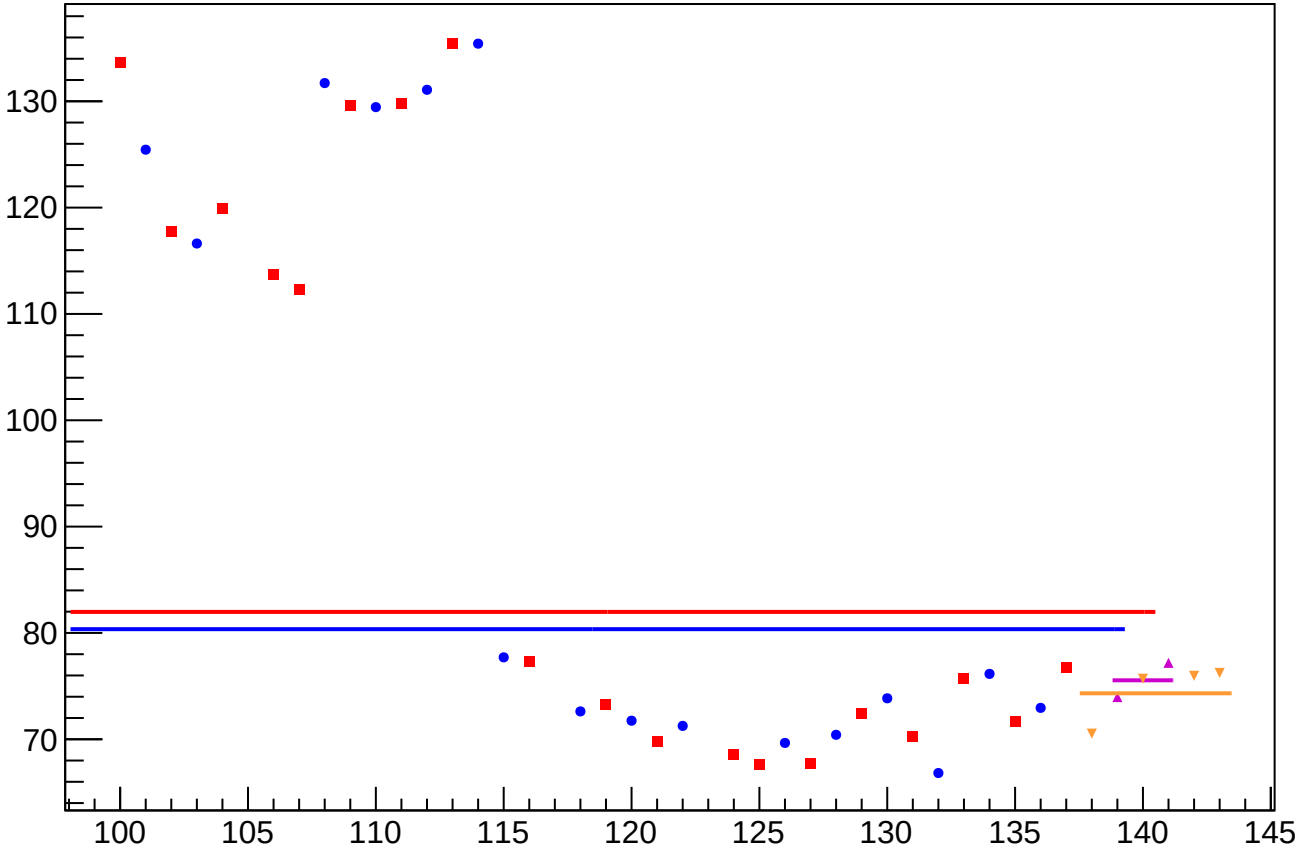
Left In: 91.346+/-57.474 χ^2/NDF:1.1/1

+ sign -5.047+/-25.196 χ^2/NDF: 24.0/19

All: -0.097+/-18.523 χ^2/NDF: 53.8/40

- sign 5.724+/-27.325 χ^2/NDF: 29.6/20

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

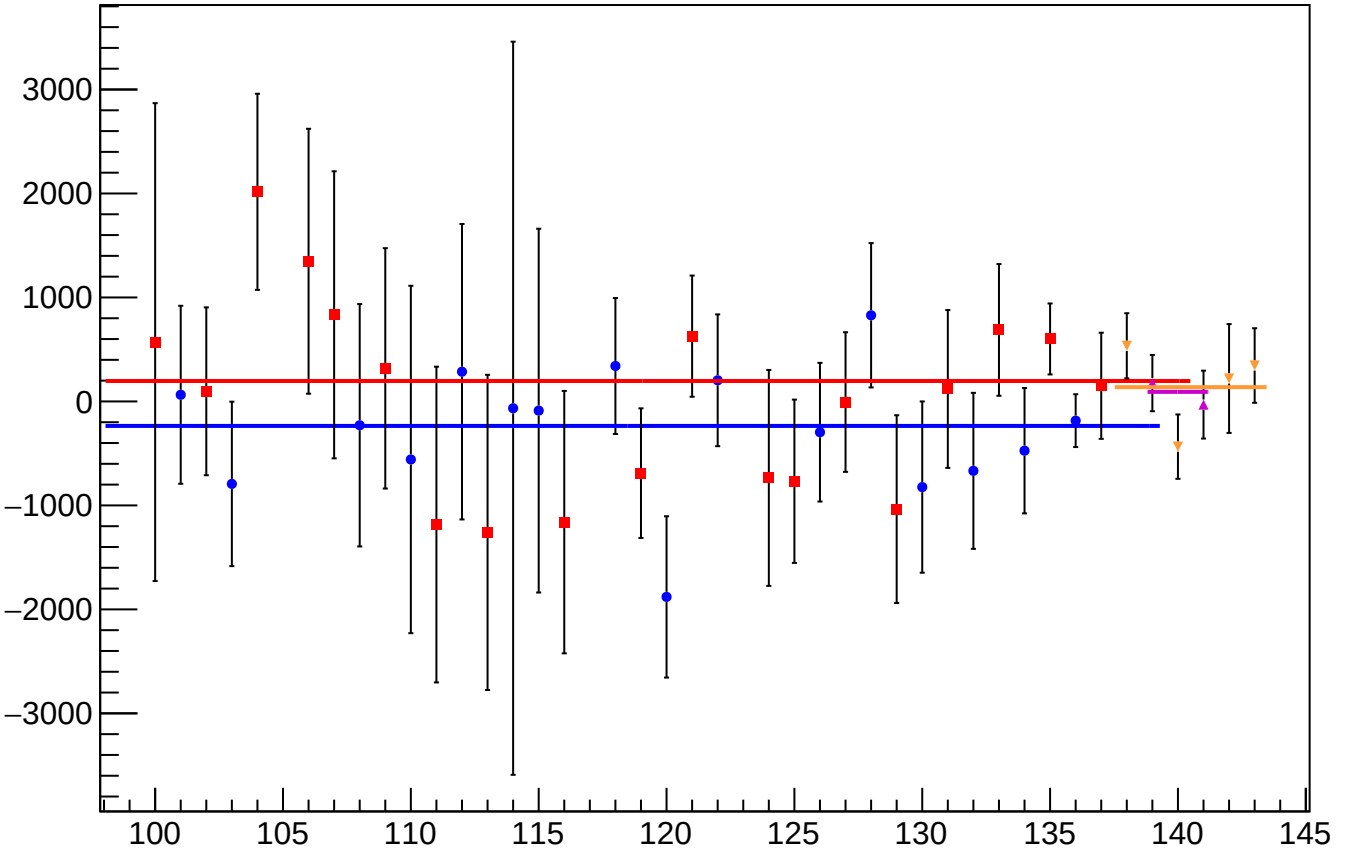
Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

+ sign 78.363+/-0.018 χ^2/NDF: 871881.6/19

All: 79.356+/-0.013 χ^2/NDF: 1830069.2/40

- sign 80.524+/-0.019 χ^2/NDF: 951426.1/20

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.358+/-176.594 χ^2/NDF:5.4/3

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

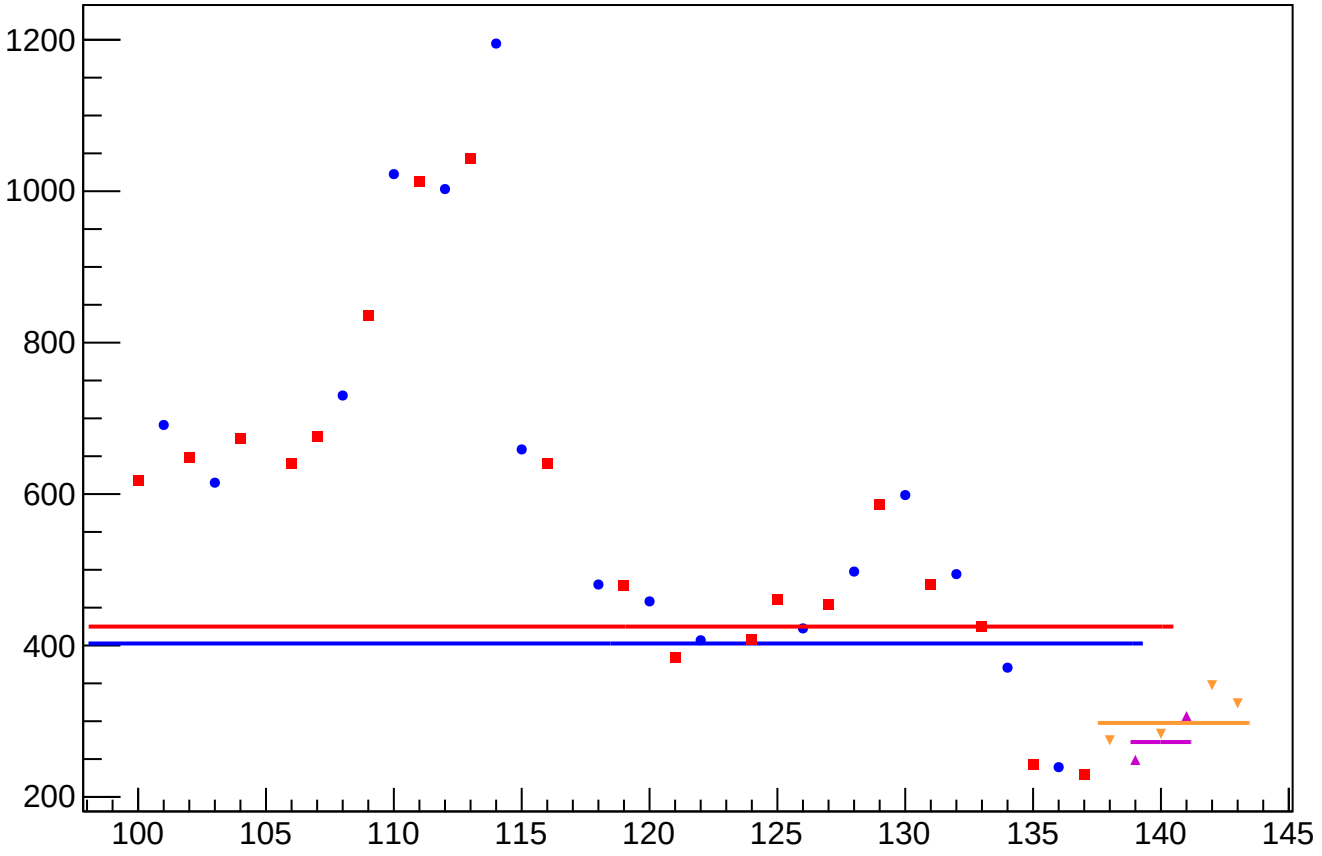
Left In: 92.033+/-208.379 χ^2/NDF:0.2/1

+ sign -63.116+/-120.079 χ^2/NDF: 17.7/19

All: 35.533+/-88.811 χ^2/NDF: 36.2/40

- sign 154.657+/-131.954 χ^2/NDF: 17.0/20

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 297.731+/-0.125 χ^2/NDF:43558.2/3

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

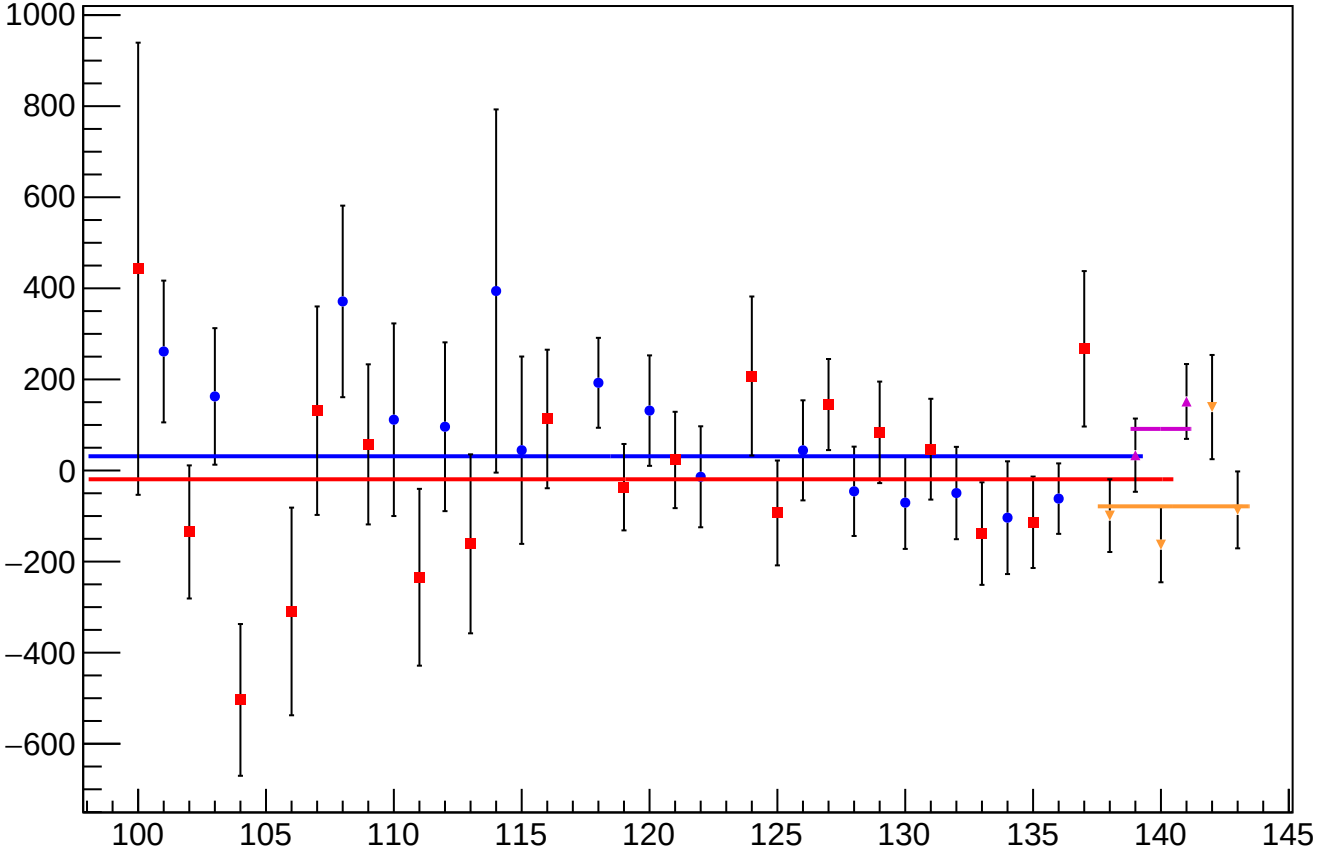
Left In: 272.509+/-0.147 χ^2/NDF:37257.5/1

+ sign 354.144+/-0.085 χ^2/NDF: 2783263.0/19

All: 358.538+/-0.063 χ^2/NDF: 5808926.9/40

- sign 363.845+/-0.093 χ^2/NDF: 3019750.0/20

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.697+/-43.848 χ^2/NDF:4.7/3

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

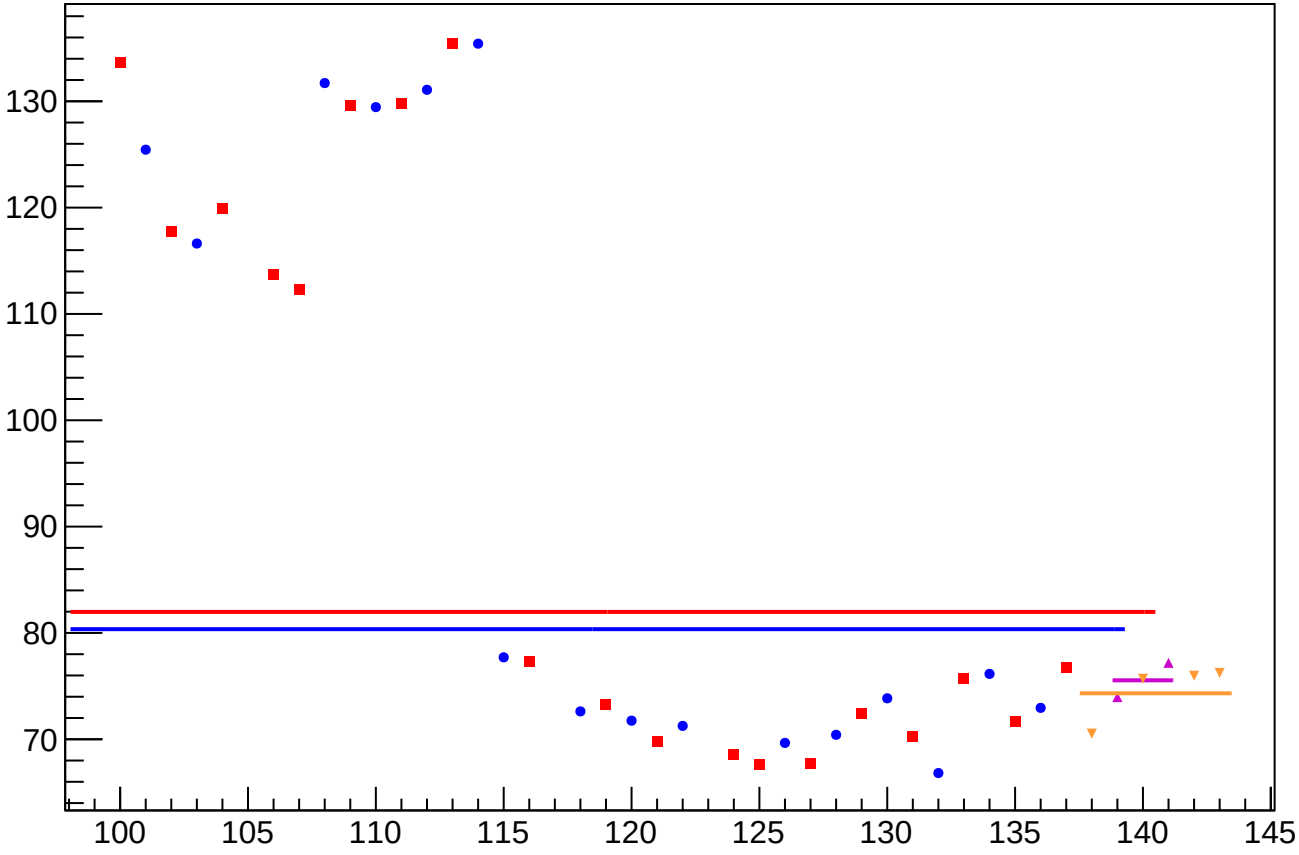
Left In: 91.346+/-57.474 χ^2/NDF:1.1/1

+ sign -5.047+/-25.196 χ^2/NDF: 24.0/19

All: -0.097+/-18.523 χ^2/NDF: 53.8/40

- sign 5.724+/-27.325 χ^2/NDF: 29.6/20

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

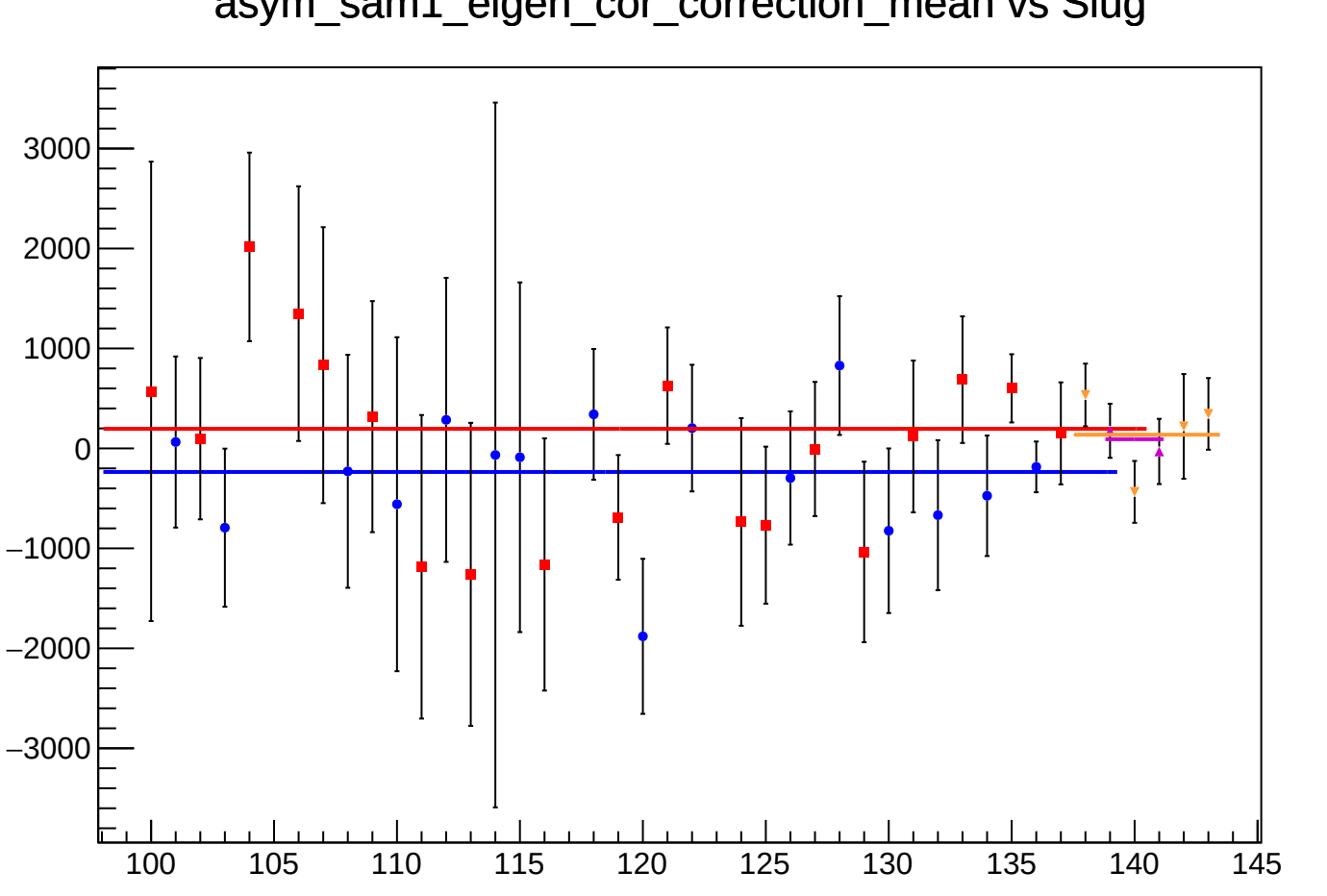
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

+ sign 78.363+/-0.018 χ^2/NDF: 871881.6/19

All: 79.356+/-0.013 χ^2/NDF: 1830069.2/40

- sign 80.524+/-0.019 χ^2/NDF: 951426.1/20



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.358+/-176.594 χ^2/NDF:5.4/3

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

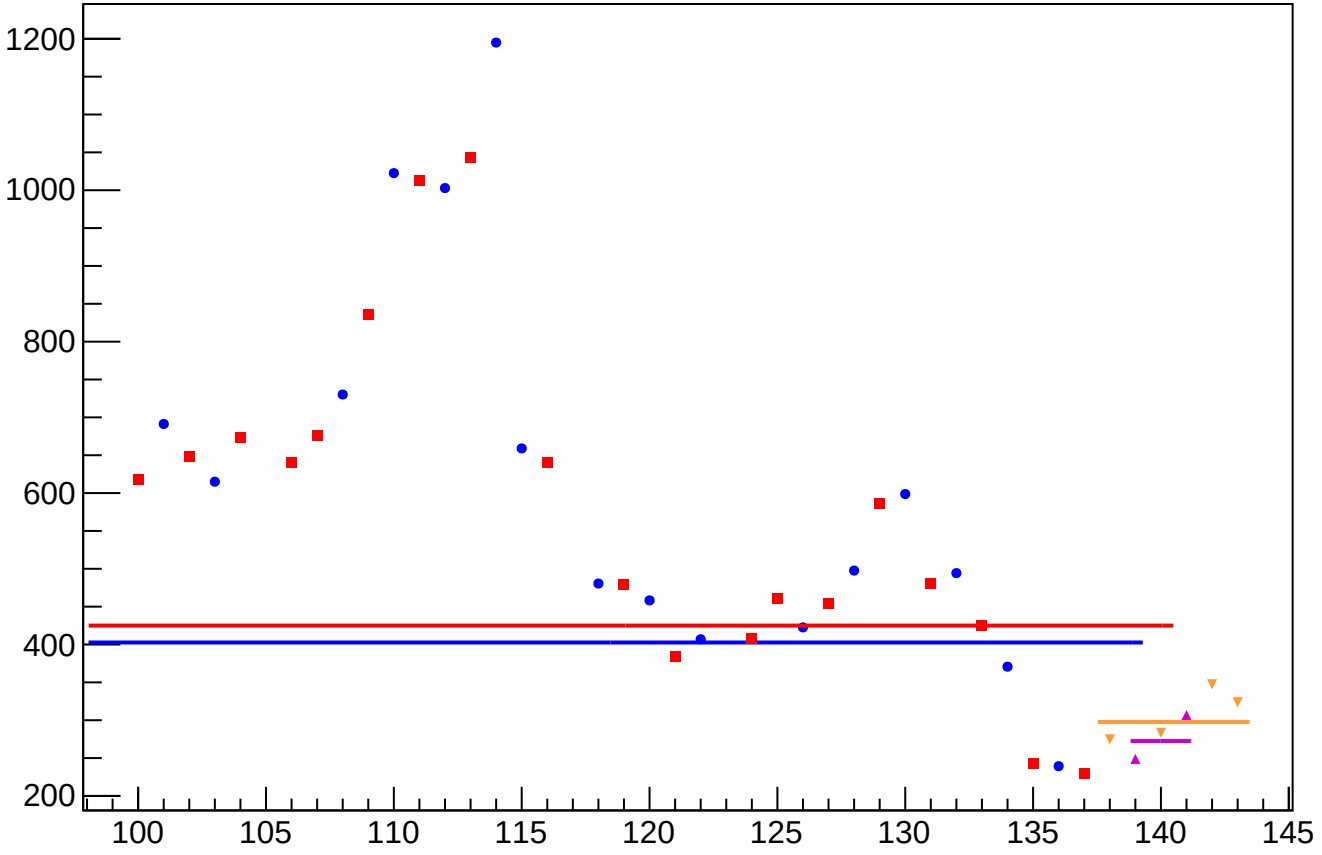
Left In: 92.033+/-208.379 χ^2/NDF:0.2/1

\+ sign -63.116+/-120.079 χ^2/NDF: 17.7/19

All: 35.533+/-88.811 χ^2/NDF: 36.2/40

\- sign 154.657+/-131.954 χ^2/NDF: 17.0/20

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 297.731+/-0.125 χ^2/NDF:43558.2/3

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

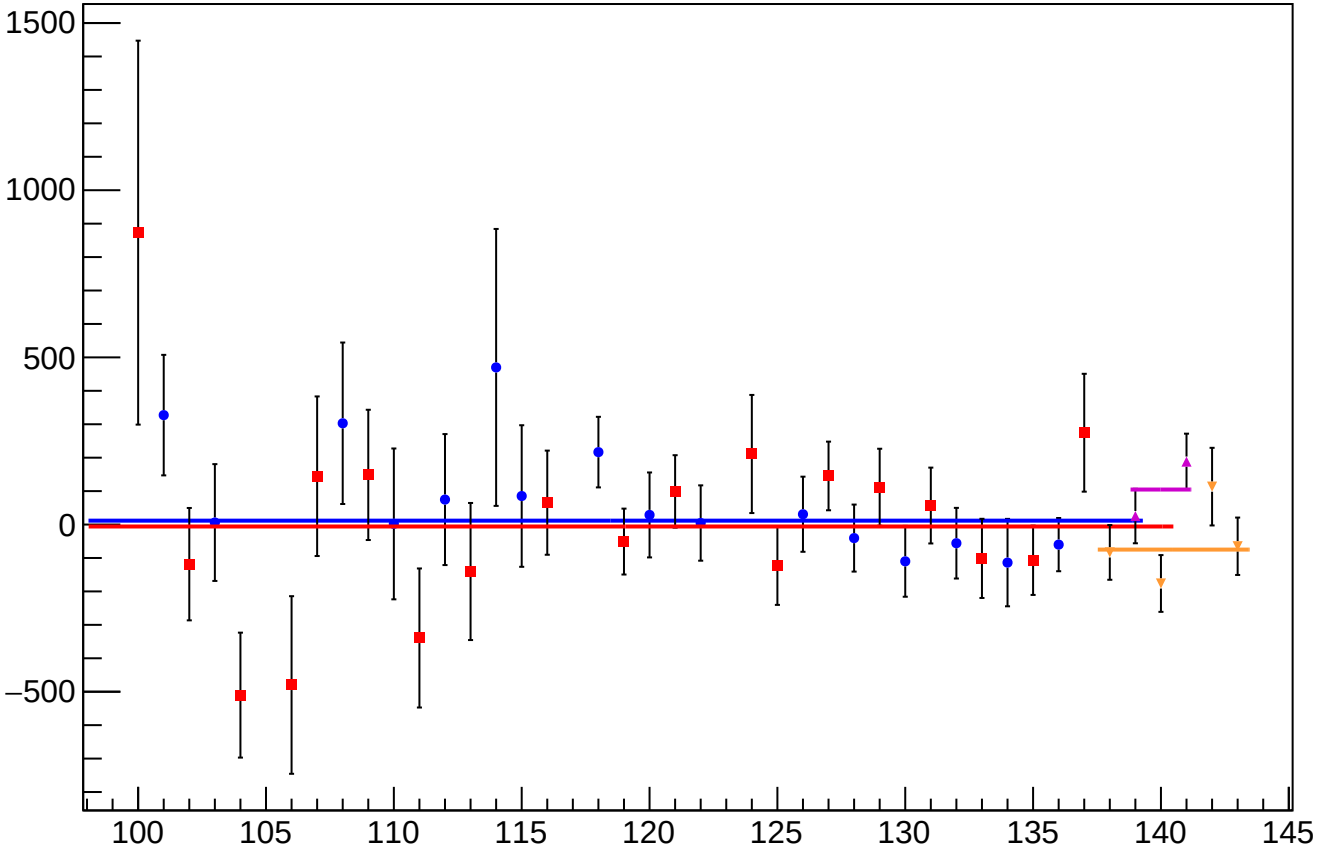
Left In: 272.509+/-0.147 χ^2/NDF:37257.5/1

+ sign 354.144+/-0.085 χ^2/NDF: 2783263.0/19

All: 358.538+/-0.063 χ^2/NDF: 5808926.9/40

- sign 363.845+/-0.093 χ^2/NDF: 3019750.0/20

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -74.898+/-44.815 χ^2/NDF:4.1/3

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

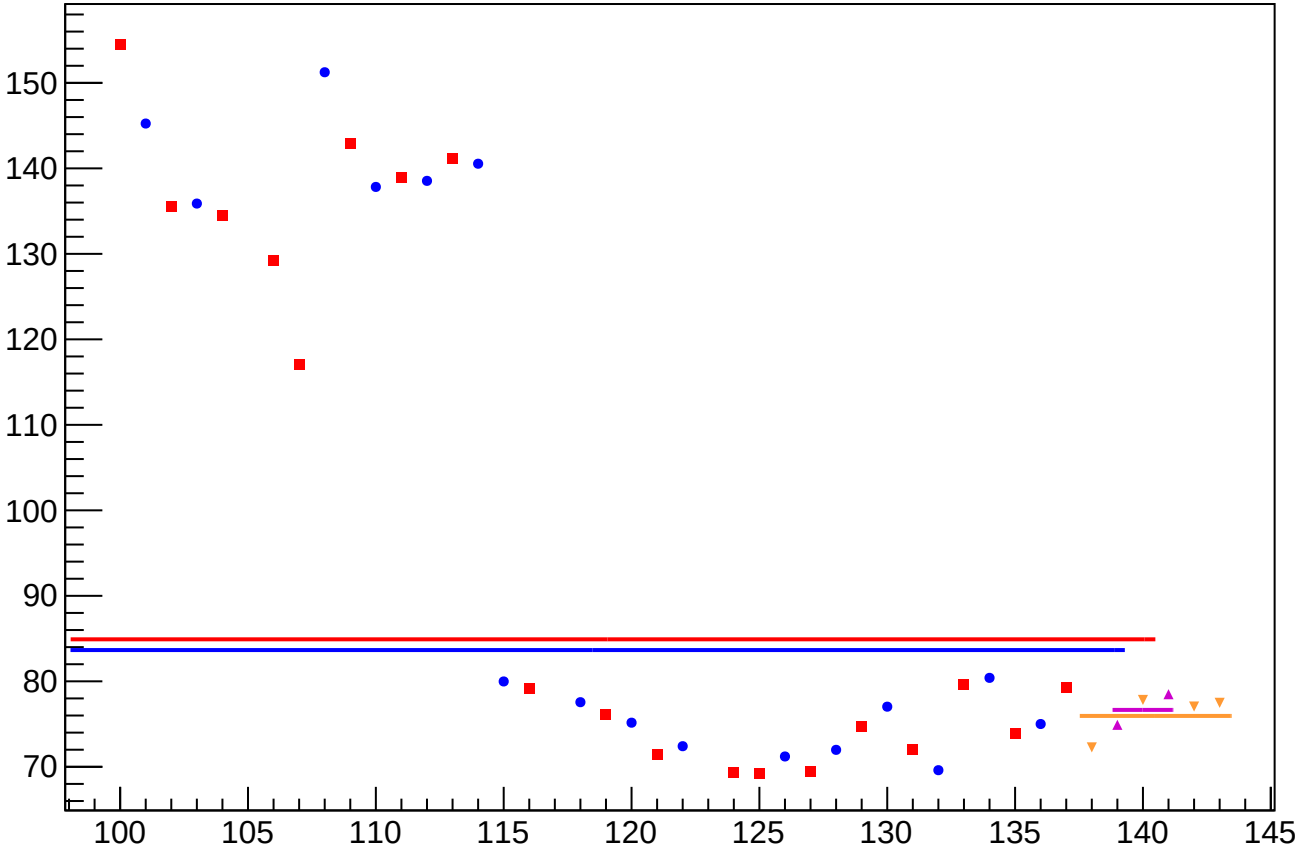
Left In: 104.722+/-58.327 χ^2/NDF:1.9/1

+ sign -17.934+/-26.202 χ^2/NDF: 20.1/19

All: -0.321+/-19.243 χ^2/NDF: 54.5/40

- sign 20.302+/-28.353 χ^2/NDF: 33.5/20

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 75.953+/-0.032 χ^2/NDF:5832.6/3

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

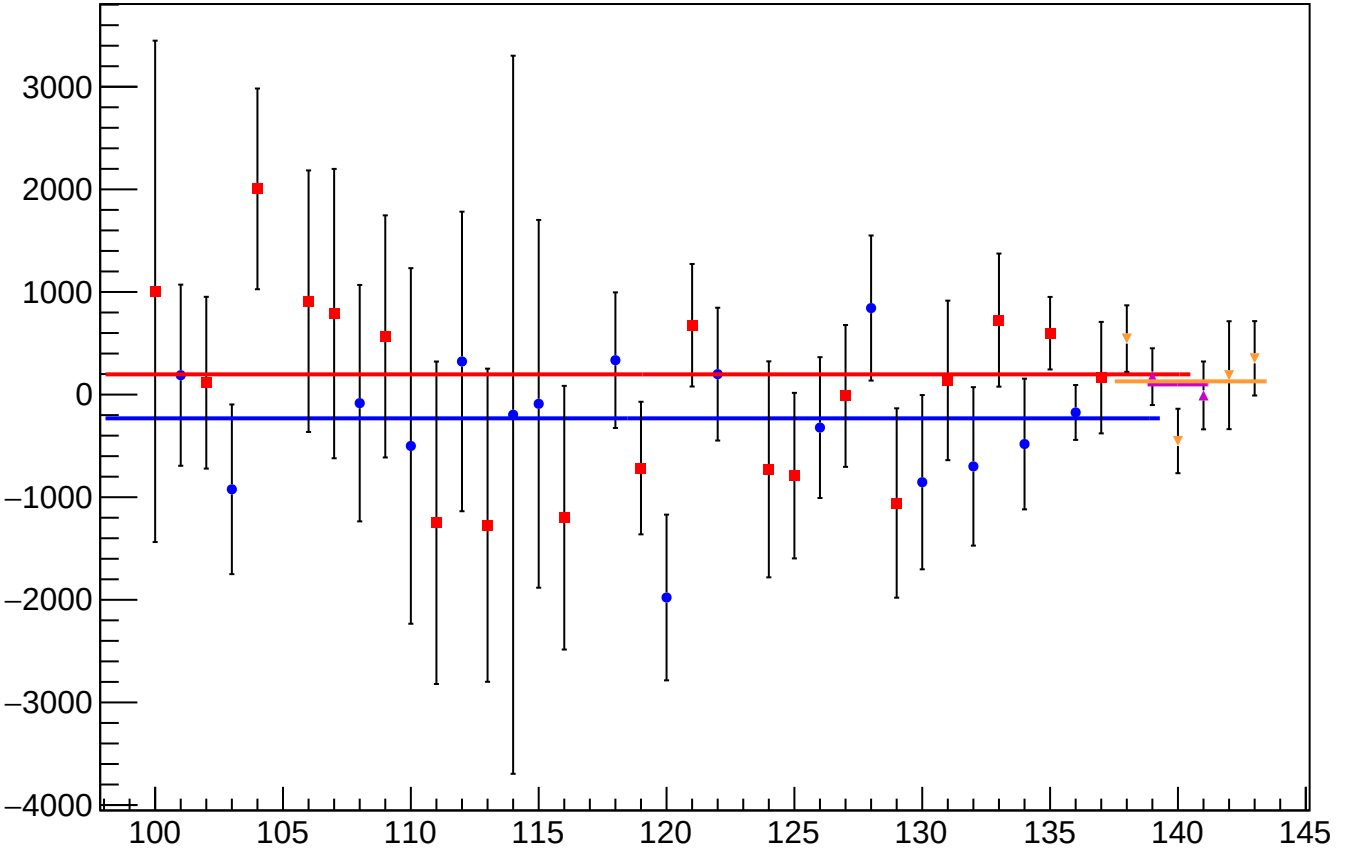
Left In: 76.657+/-0.041 χ^2/NDF:1881.0/1

+ sign 81.023+/-0.019 χ^2/NDF: 1079531.7/19

All: 81.916+/-0.014 χ^2/NDF: 2238730.3/40

- sign 82.962+/-0.020 χ^2/NDF: 1154154.9/20

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 129.110+/-179.911 χ^2/NDF:5.5/3

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

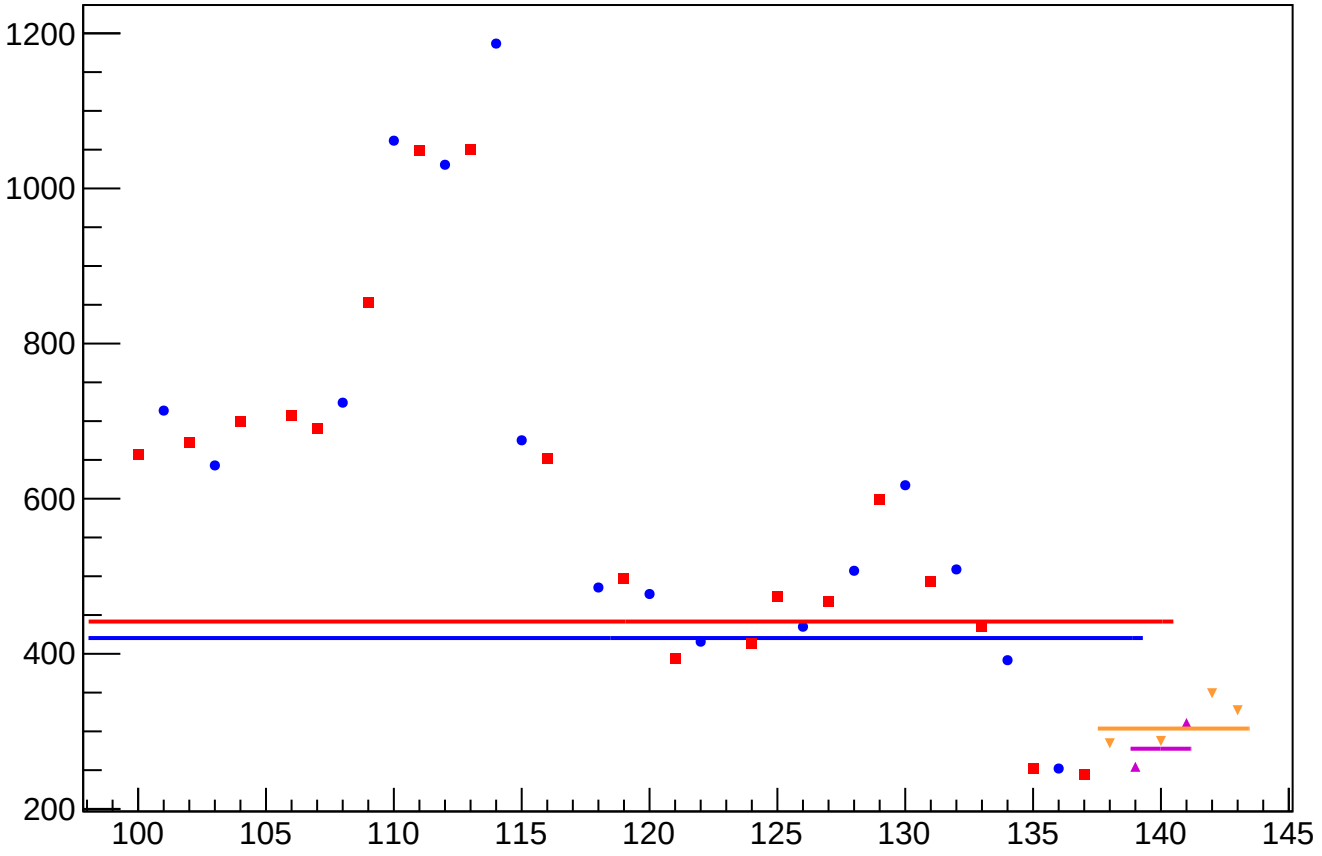
Left In: 99.424+/-212.166 χ^2/NDF:0.2/1

\+ sign -61.211+/-123.614 χ^2/NDF: 18.0/19

All: 38.052+/-91.322 χ^2/NDF: 35.6/40

\- sign 157.323+/-135.501 χ^2/NDF: 16.2/20

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 303.642+/-0.127 χ^2/NDF:35523.8/3

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

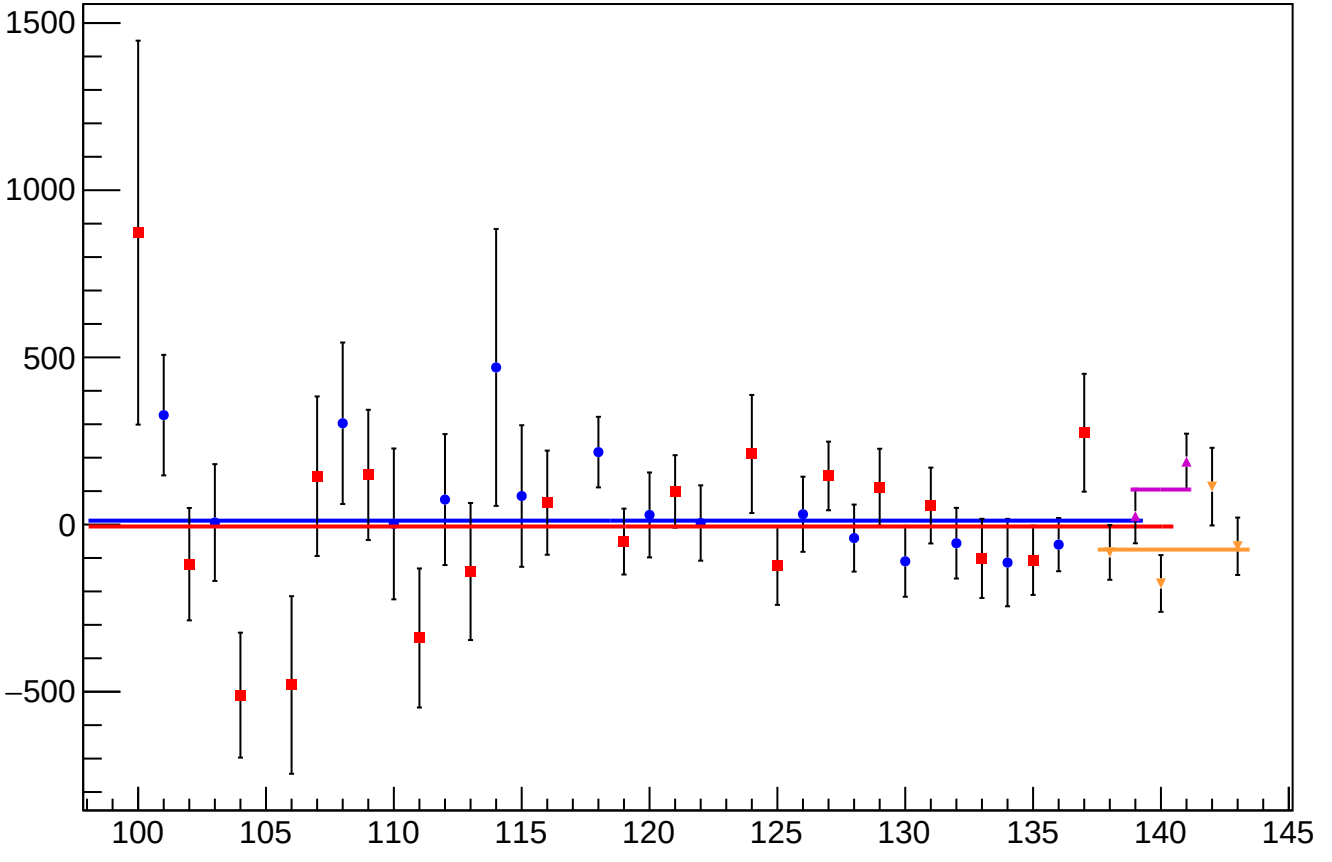
Left In: 277.637+/-0.150 χ^2/NDF:34260.6/1

+ sign 365.243+/-0.087 χ^2/NDF: 2734273.7/19

All: 369.548+/-0.065 χ^2/NDF: 5788701.9/40

- sign 374.722+/-0.096 χ^2/NDF: 3049086.9/20

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -74.899+/-44.815 χ^2/NDF:4.1/3

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

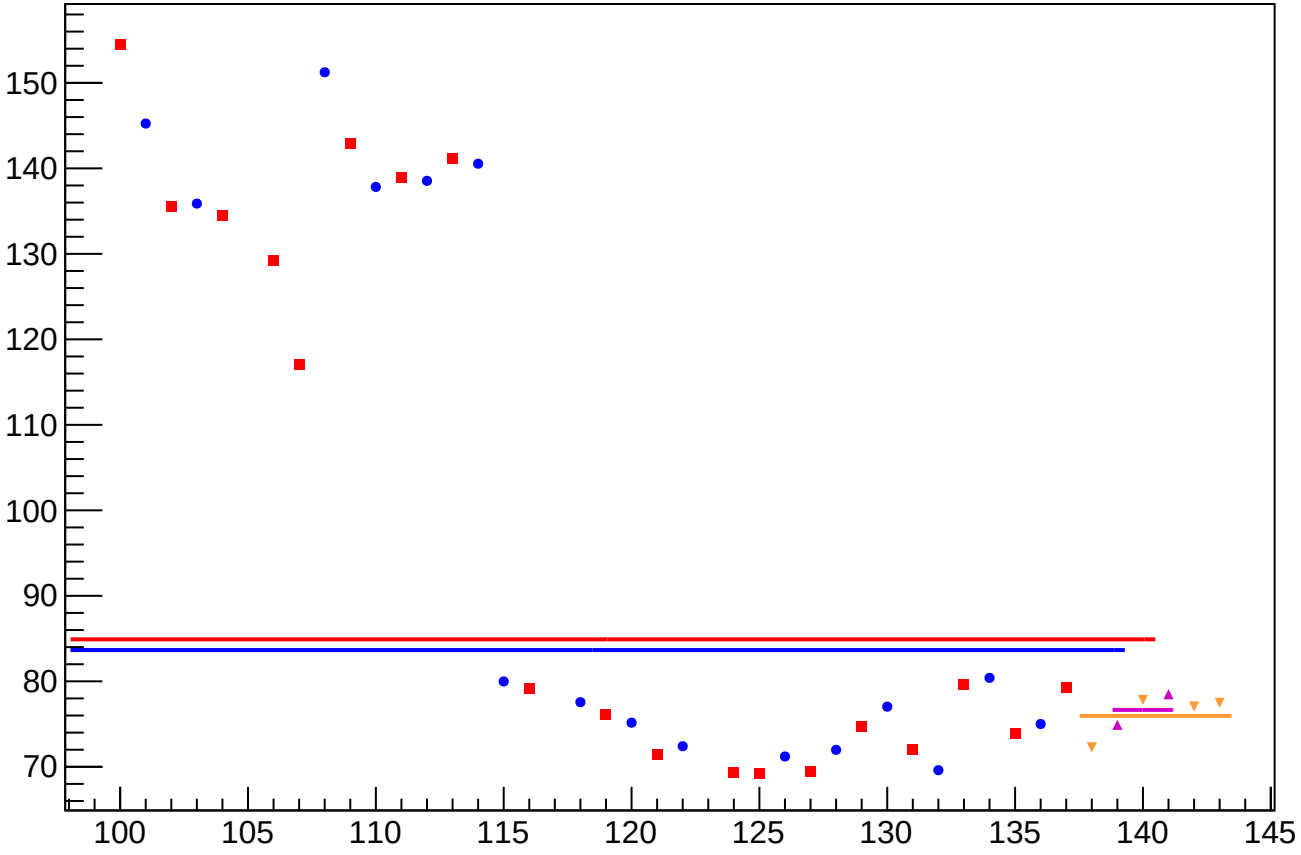
Left In: 104.722+/-58.327 χ^2/NDF:1.9/1

+ sign -17.934+/-26.202 χ^2/NDF: 20.1/19

All: -0.321+/-19.243 χ^2/NDF: 54.5/40

- sign 20.303+/-28.353 χ^2/NDF: 33.5/20

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 75.953+/-0.032 χ^2/NDF:5832.6/3

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

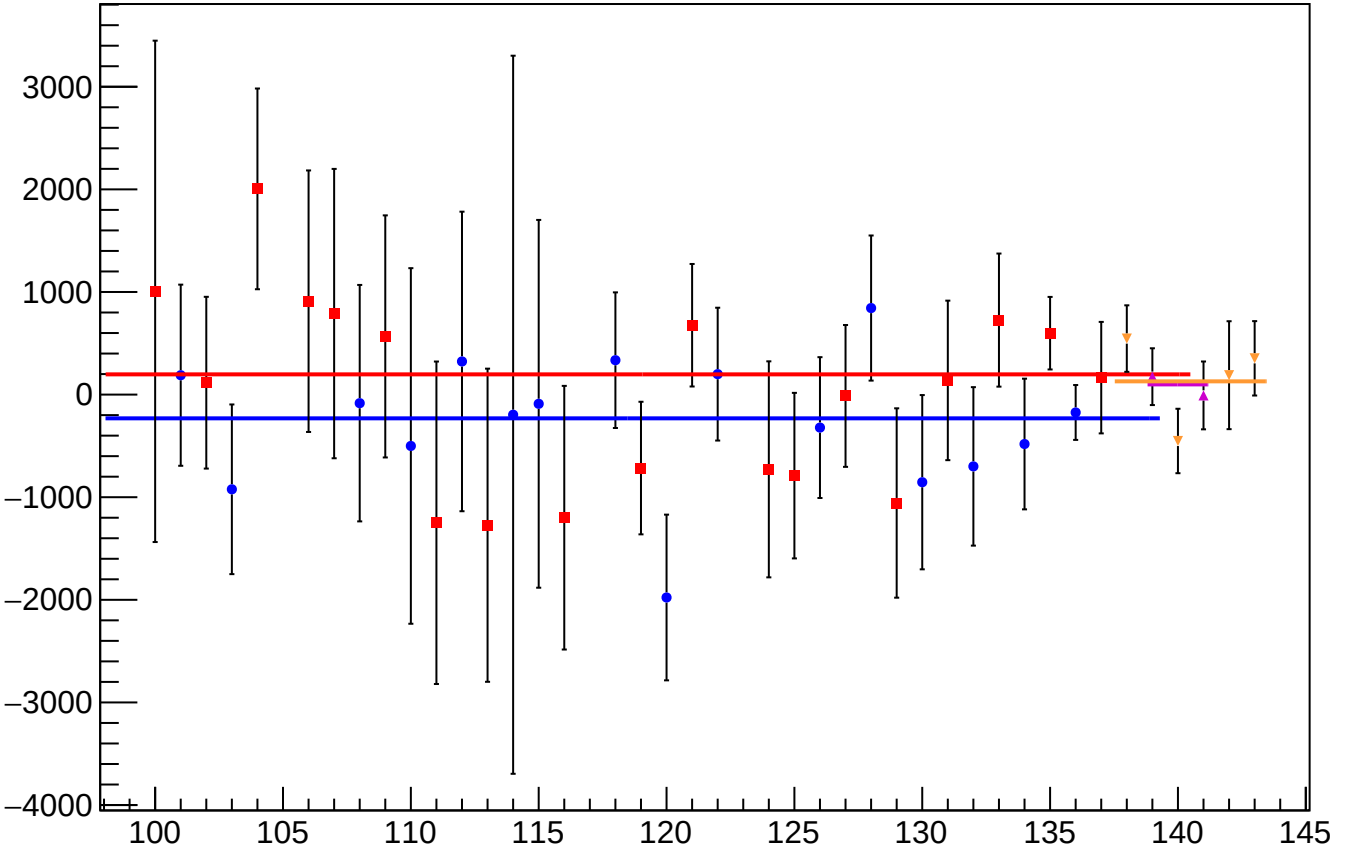
Left In: 76.657+/-0.041 χ^2/NDF:1881.1/1

+ sign 81.023+/-0.019 χ^2/NDF: 1079530.5/19

All: 81.916+/-0.014 χ^2/NDF: 2238727.6/40

- sign 82.962+/-0.020 χ^2/NDF: 1154153.4/20

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 129.109+/-179.911 χ^2/NDF:5.5/3

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

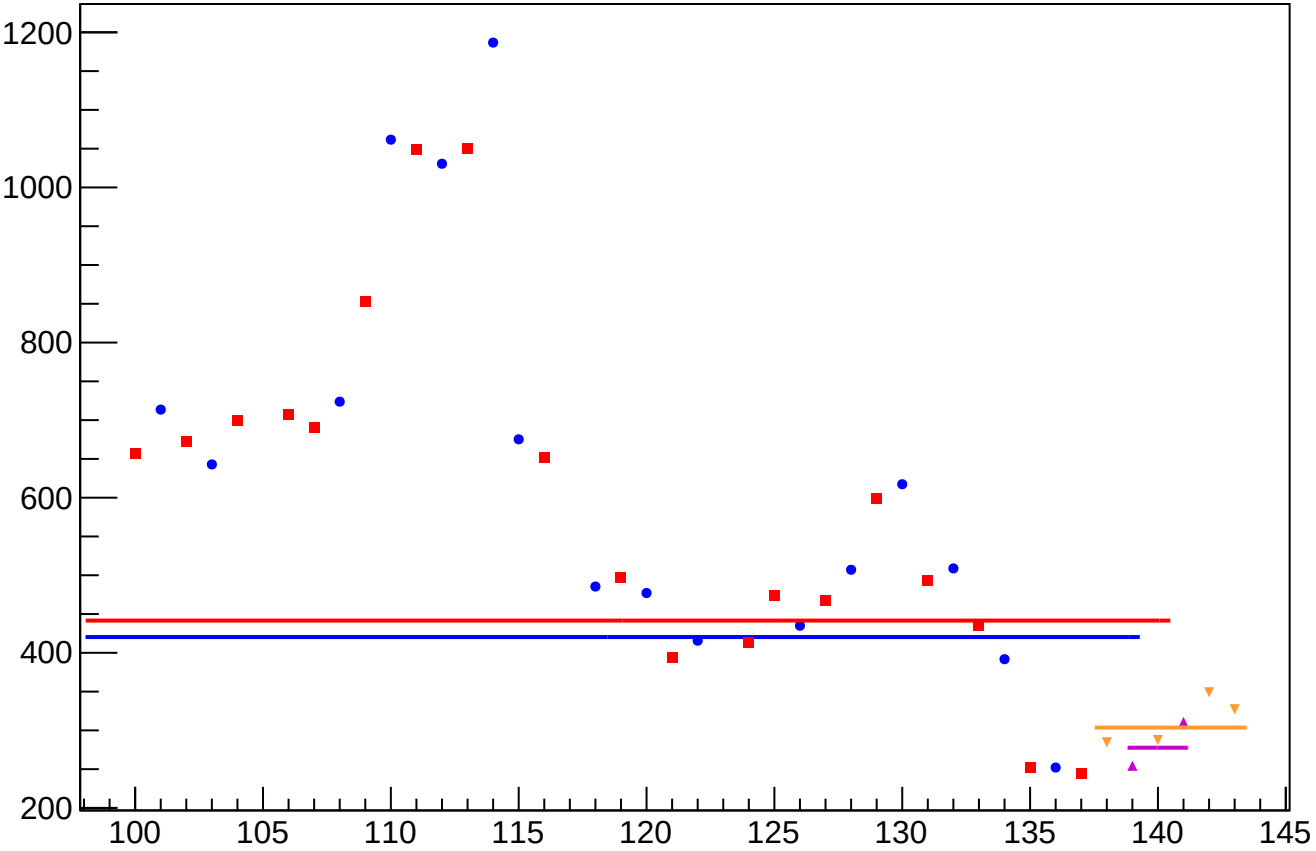
Left In: 99.424+/-212.166 χ^2/NDF:0.2/1

\+ sign -61.211+/-123.614 χ^2/NDF: 18.0/19

All: 38.052+/-91.322 χ^2/NDF: 35.6/40

\- sign 157.323+/-135.501 χ^2/NDF: 16.2/20

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 303.642+/-0.127 χ^2/NDF:35523.3/3

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

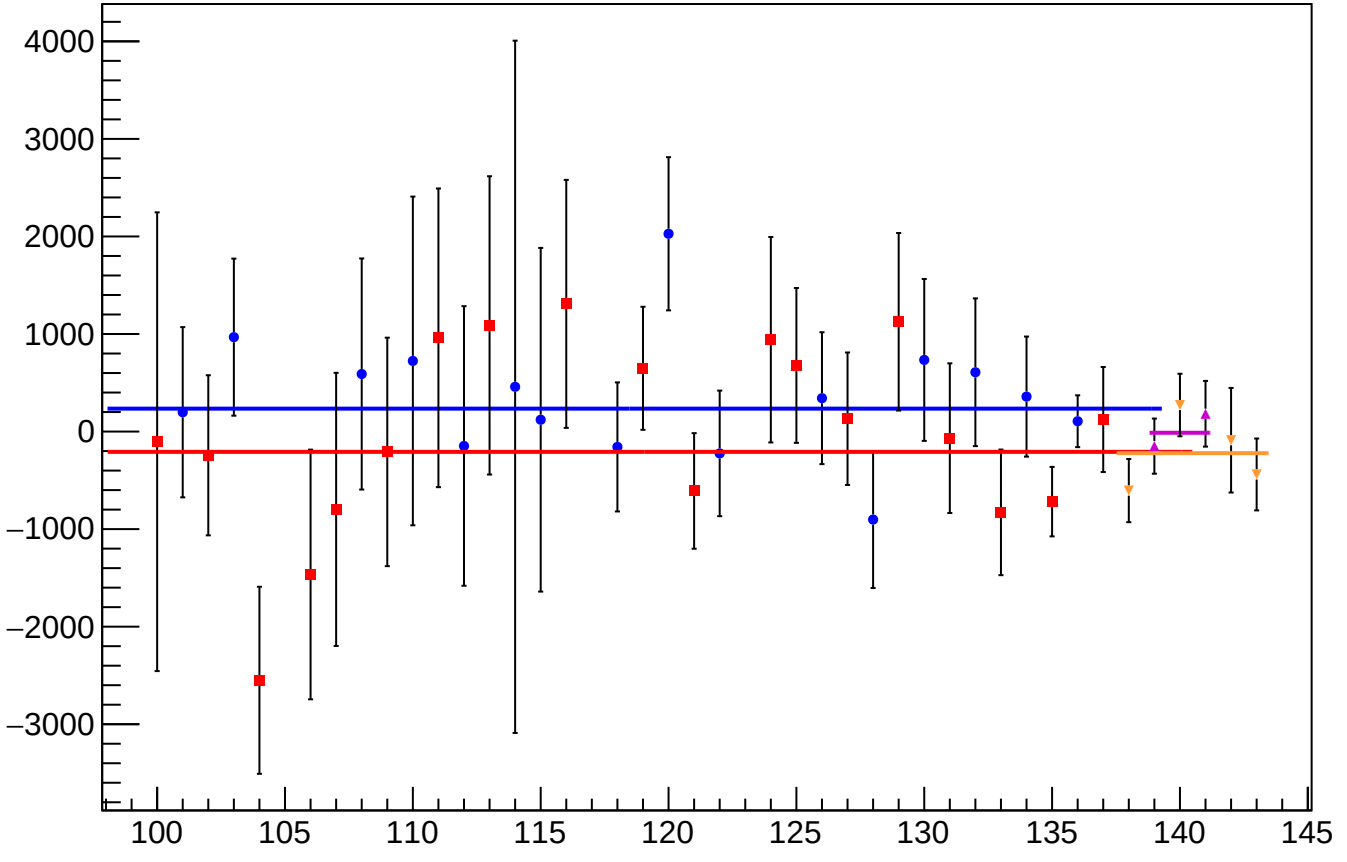
Left In: 277.637+/-0.150 χ^2/NDF:34260.8/1

+ sign 365.242+/-0.087 χ^2/NDF: 2734276.5/19

All: 369.548+/-0.065 χ^2/NDF: 5788708.1/40

- sign 374.721+/-0.096 χ^2/NDF: 3049090.4/20

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -221.315+/-182.244 χ^2/NDF:4.2/3

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

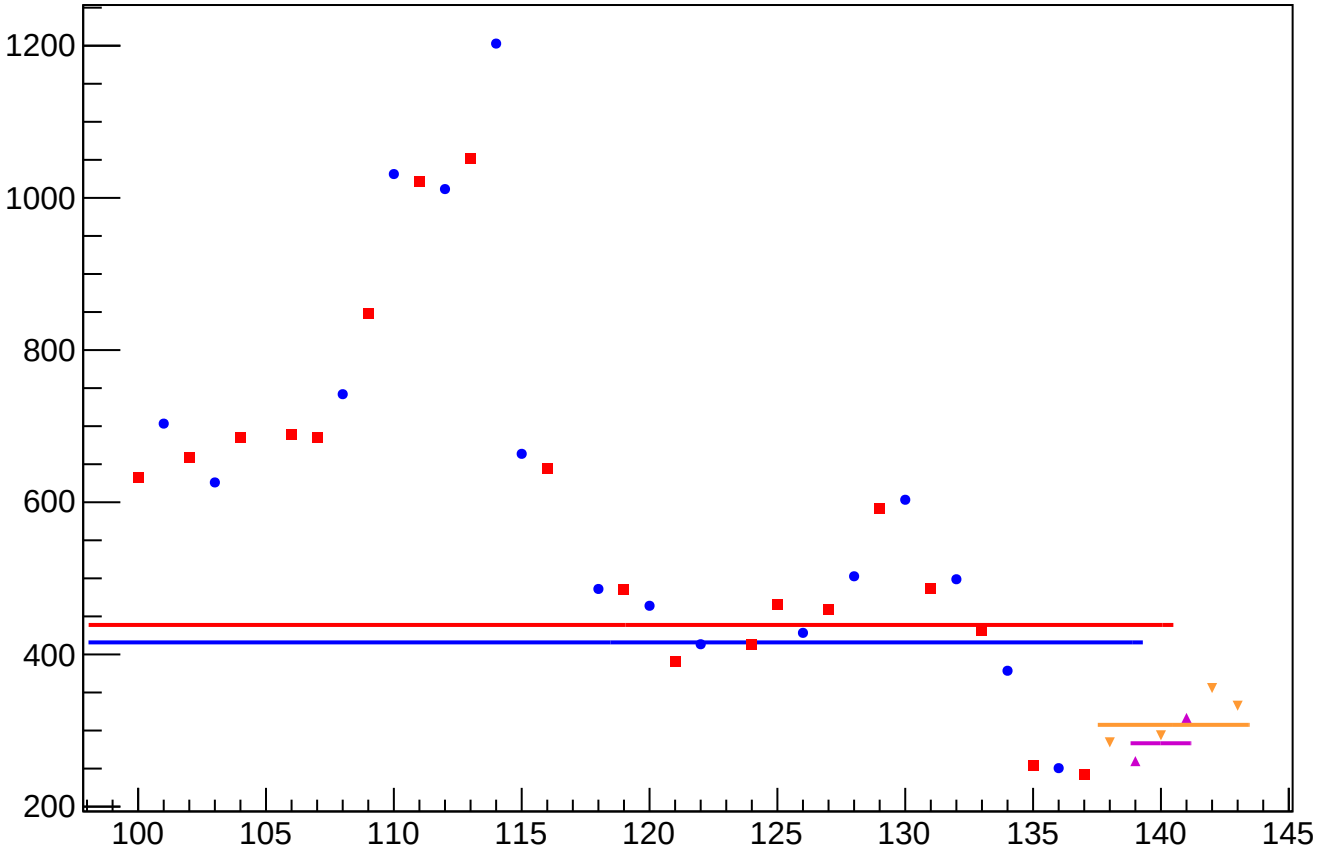
Left In: -12.190+/-216.464 χ^2/NDF:0.6/1

+ sign 25.131+/-123.602 χ^2/NDF: 18.3/19

All: -45.393+/-91.456 χ^2/NDF: 40.4/40

- sign -130.718+/-135.956 χ^2/NDF: 21.4/20

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 307.480+/-0.129 χ^2/NDF:39370.1/3

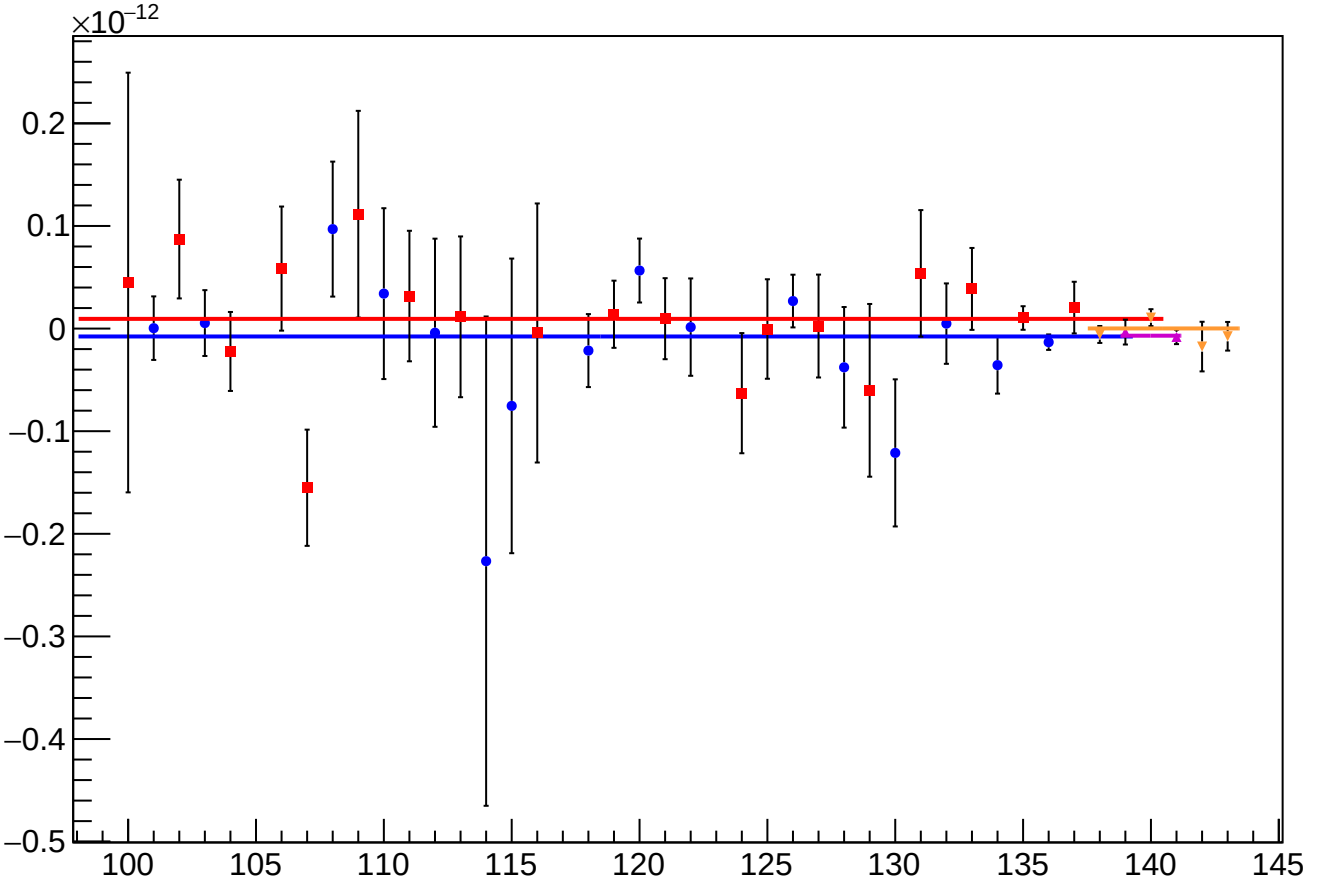
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 283.283+/-0.153 χ^2/NDF:33376.5/1

+ sign 365.996+/-0.087 χ^2/NDF: 2645140.2/19

All: 371.173+/-0.065 χ^2/NDF: 5545919.1/40

- sign 377.436+/-0.096 χ^2/NDF: 2893026.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

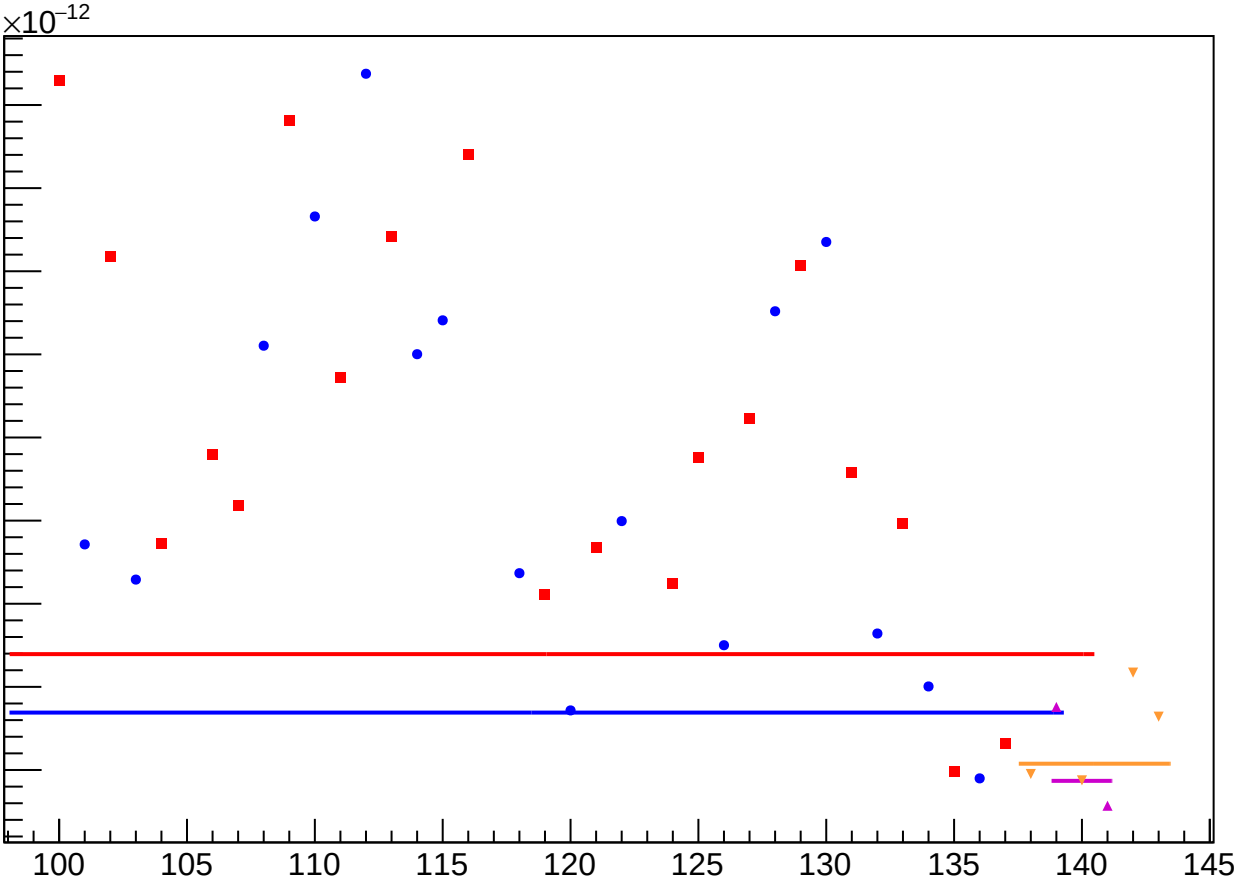
Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.7/19

All: -0.000+/-0.000 χ^2/NDF: 37.8/40

- sign -0.000+/-0.000 χ^2/NDF: 19.0/20

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:225740.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

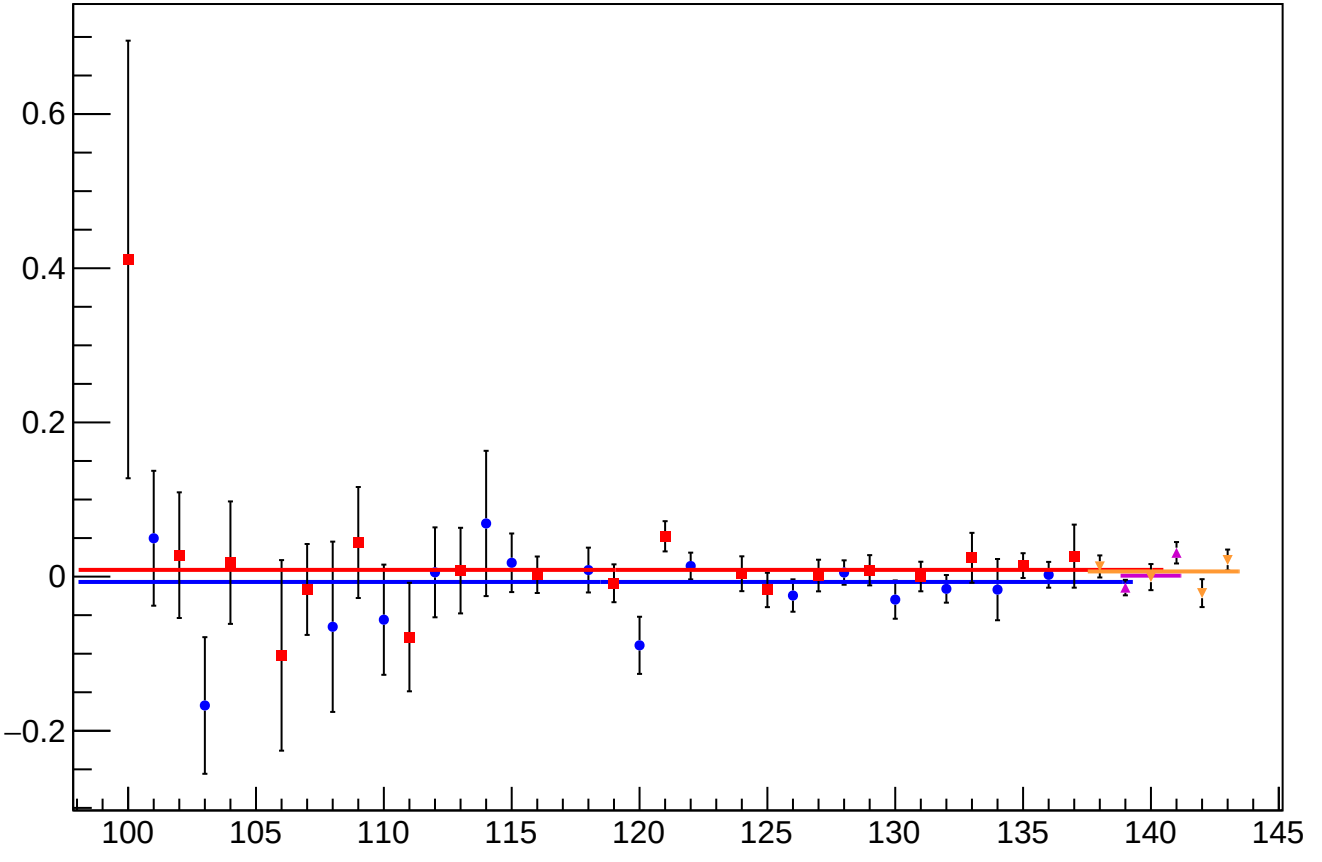
Left In: 0.000+/-0.000 χ^2/NDF:360168.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 3270530.0/19

All: 0.000+/-0.000 χ^2/NDF: 7523207.5/40

- sign 0.000+/-0.000 χ^2/NDF: 4244726.8/20

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

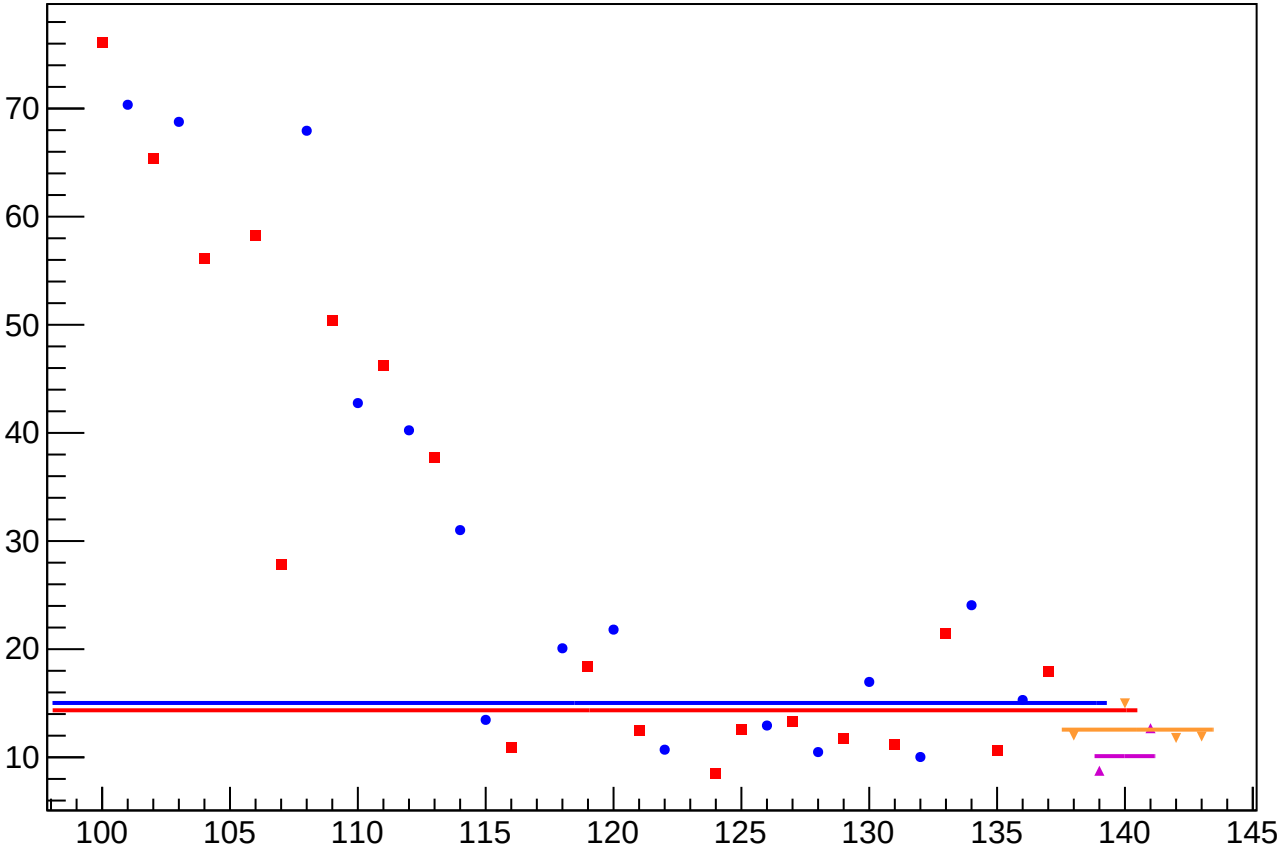
Left In: 0.001+/-0.008 χ^2/NDF:6.9/1

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/19

All: 0.002+/-0.004 χ^2/NDF: 41.8/40

- sign 0.006+/-0.005 χ^2/NDF: 20.1/20

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.559+/-0.005 χ^2/NDF:52006.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

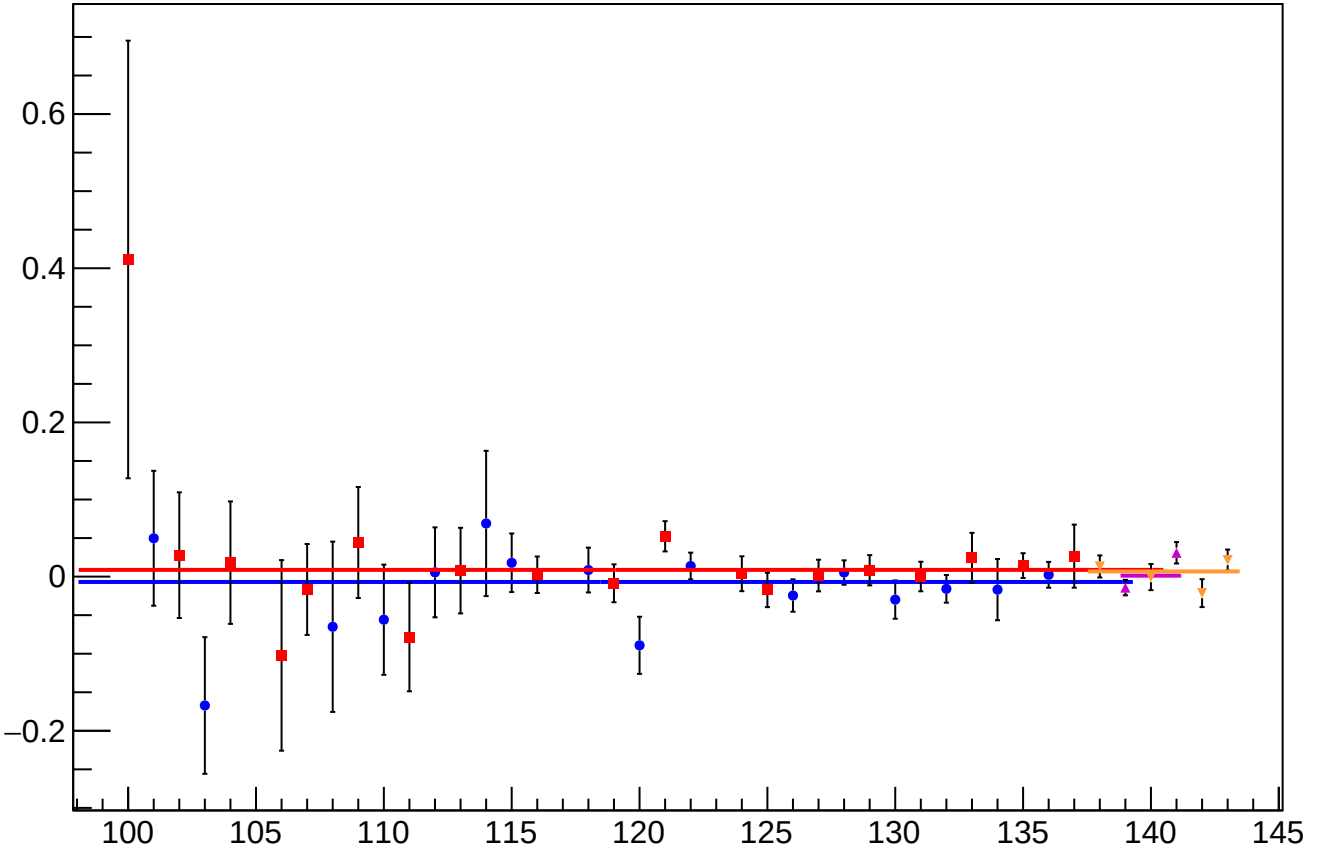
Left In: 10.108+/-0.006 χ^2/NDF:105359.6/1

+ sign 13.959+/-0.004 χ^2/NDF: 3606402.6/19

All: 13.340+/-0.003 χ^2/NDF: 7735887.2/40

- sign 12.732+/-0.004 χ^2/NDF: 4070463.1/20

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

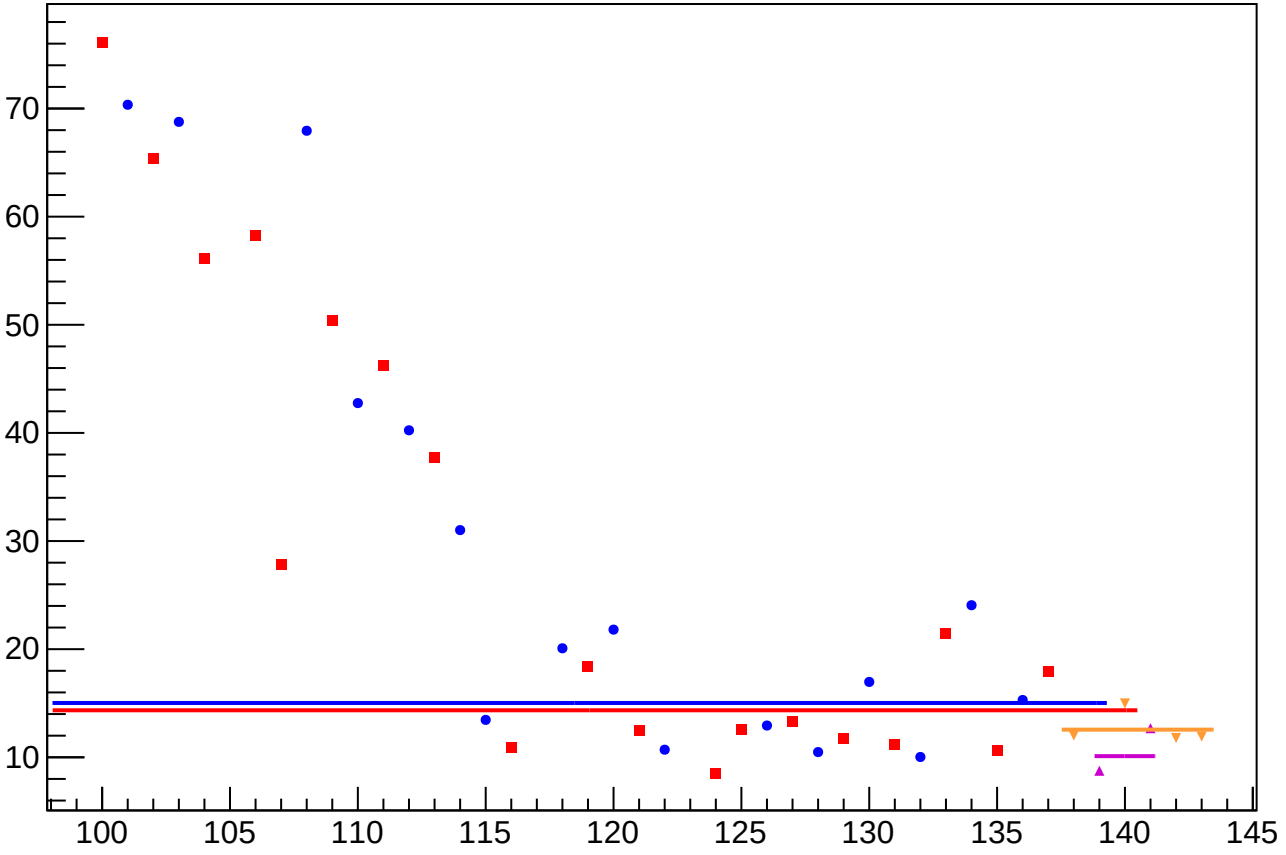
Left In: 0.001+/-0.008 χ^2/NDF:6.9/1

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/19

All: 0.002+/-0.004 χ^2/NDF: 41.8/40

- sign 0.006+/-0.005 χ^2/NDF: 20.1/20

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.559+/-0.005 χ^2/NDF:52006.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

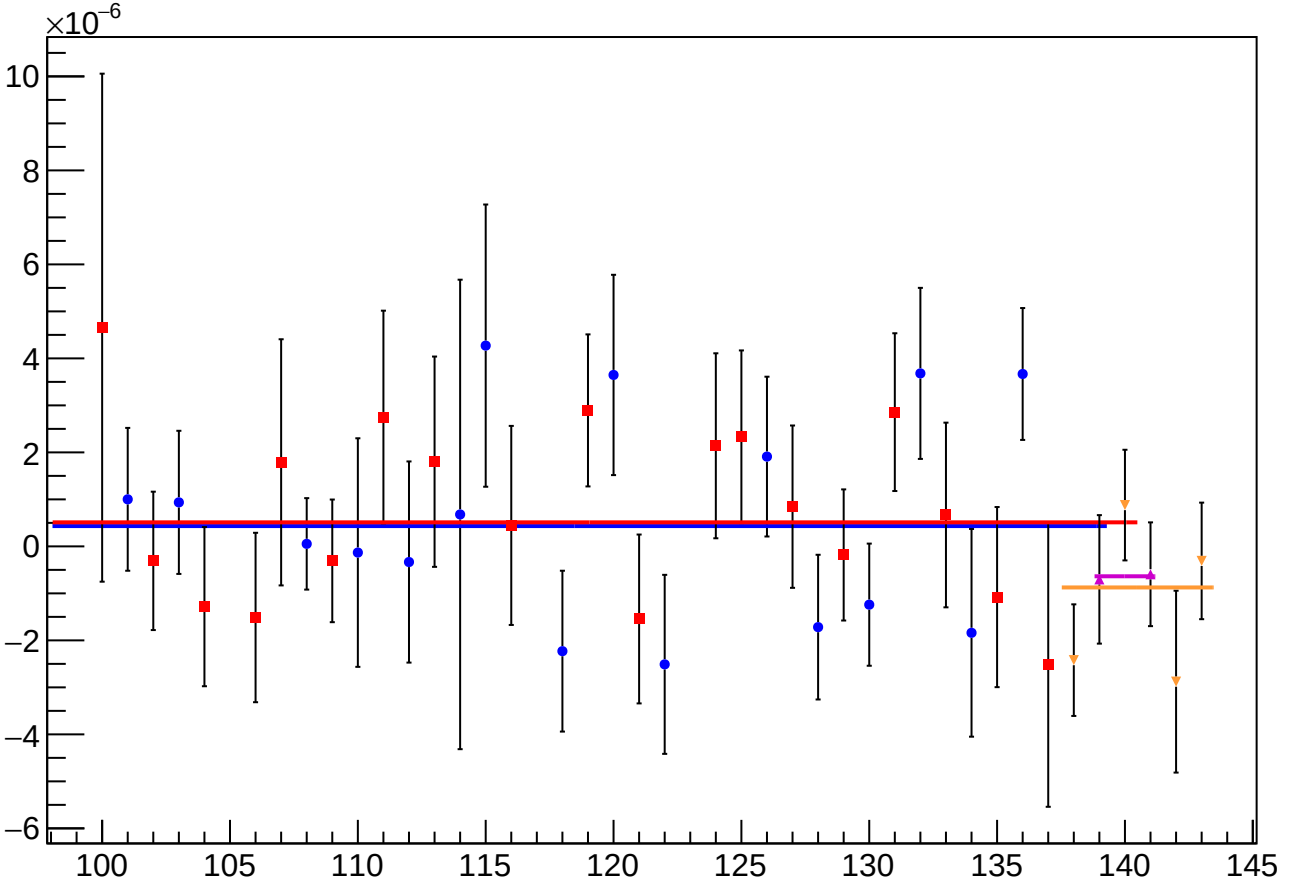
Left In: 10.108+/-0.006 χ^2/NDF:105359.6/1

+ sign 13.959+/-0.004 χ^2/NDF: 3606402.6/19

All: 13.340+/-0.003 χ^2/NDF: 7735887.2/40

- sign 12.732+/-0.004 χ^2/NDF: 4070463.1/20

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:5.2/3

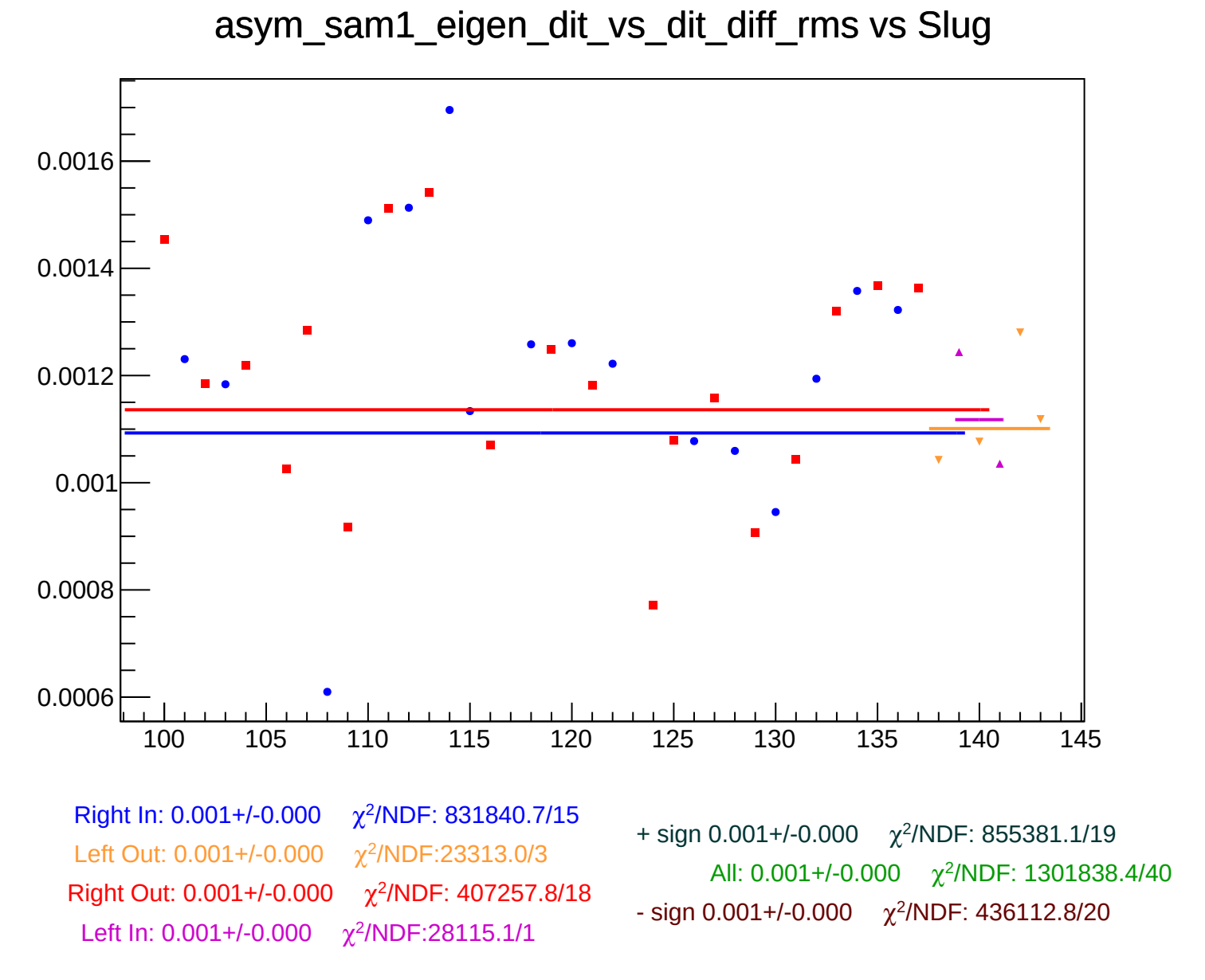
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

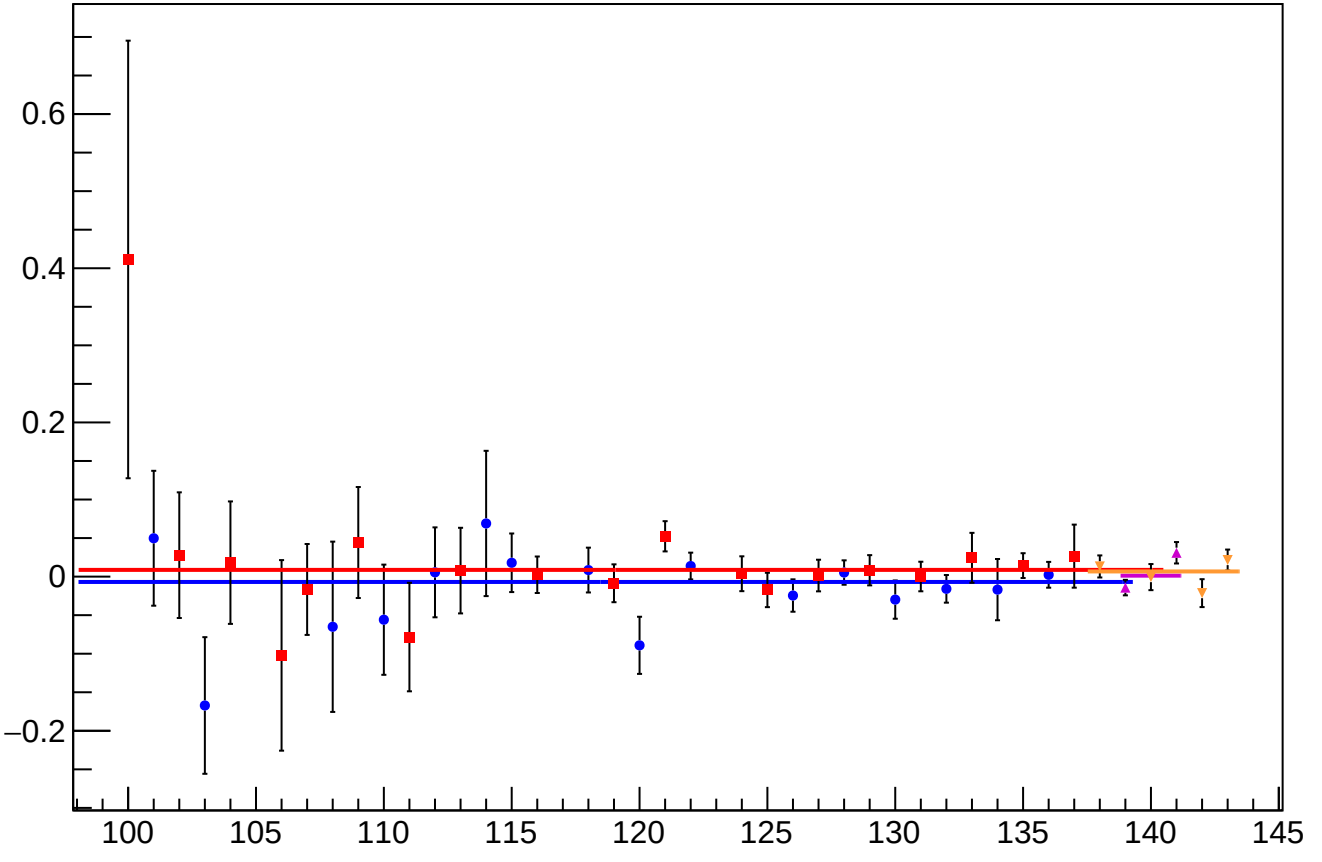
+ sign 0.000+/-0.000 χ^2/NDF: 31.3/19

All: 0.000+/-0.000 χ^2/NDF: 47.2/40

- sign 0.000+/-0.000 χ^2/NDF: 15.7/20


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:23313.0/3
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:28115.1/1
+ sign 0.001+/-0.000 χ²/NDF: 855381.1/19
All: 0.001+/-0.000 χ²/NDF: 1301838.4/40
- sign 0.001+/-0.000 χ²/NDF: 436112.8/20

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

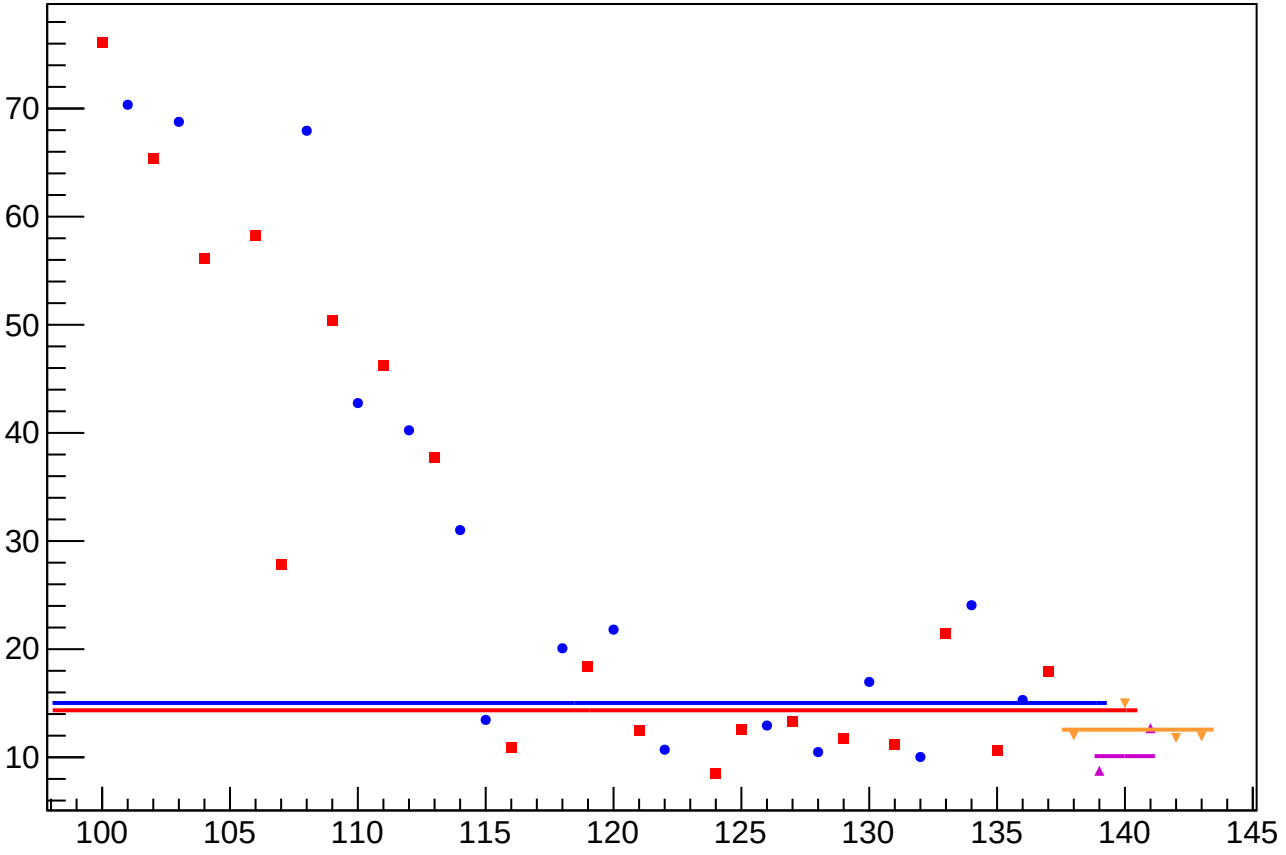
Left In: 0.001+/-0.008 χ^2/NDF:6.9/1

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/19

All: 0.002+/-0.004 χ^2/NDF: 41.8/40

- sign 0.006+/-0.005 χ^2/NDF: 20.1/20

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 12.559+/-0.005 χ^2/NDF:52008.3/3

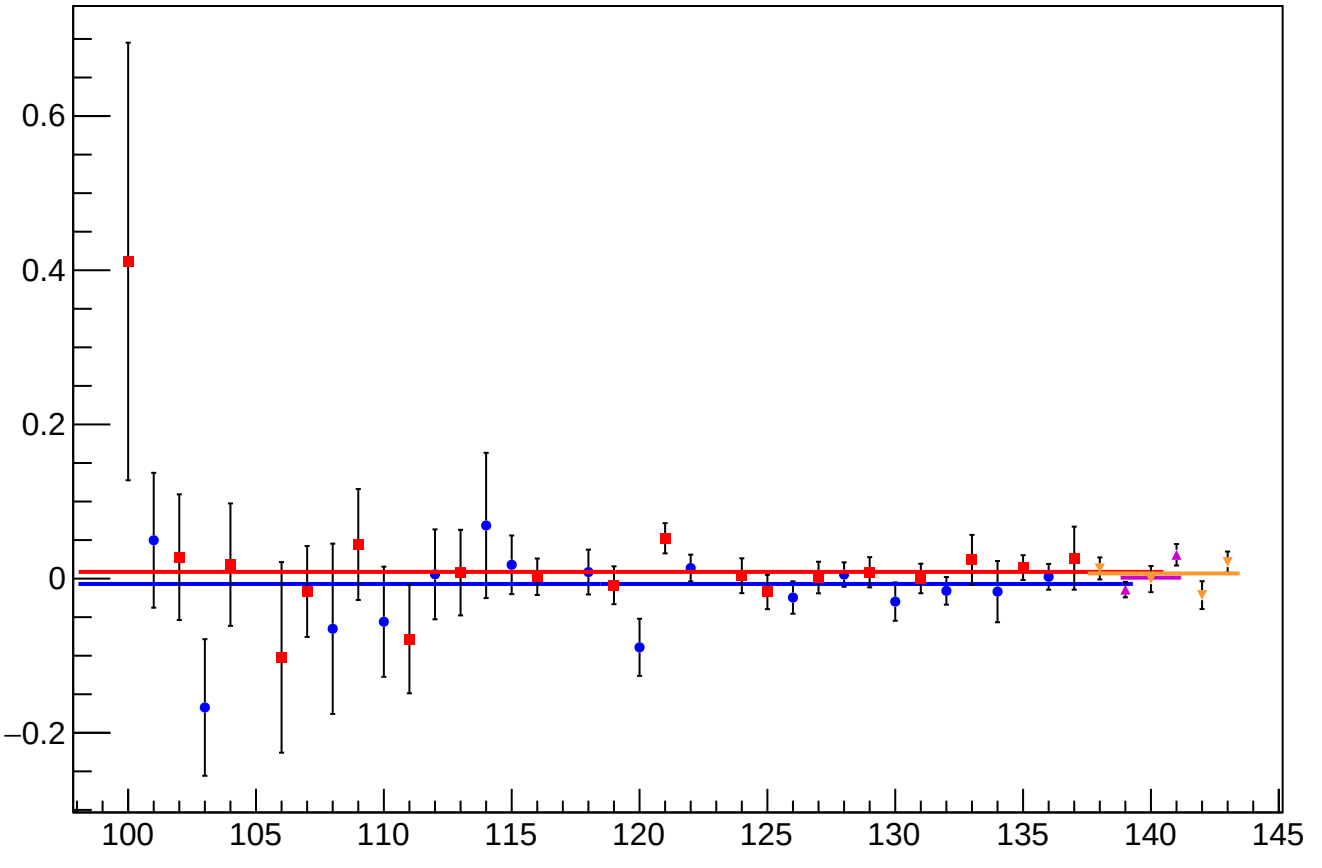
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105368.1/1

+ sign 13.958+/-0.004 χ^2/NDF: 3606399.9/19

All: 13.340+/-0.003 χ^2/NDF: 7735878.3/40

- sign 12.732+/-0.004 χ^2/NDF: 4070455.7/20



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

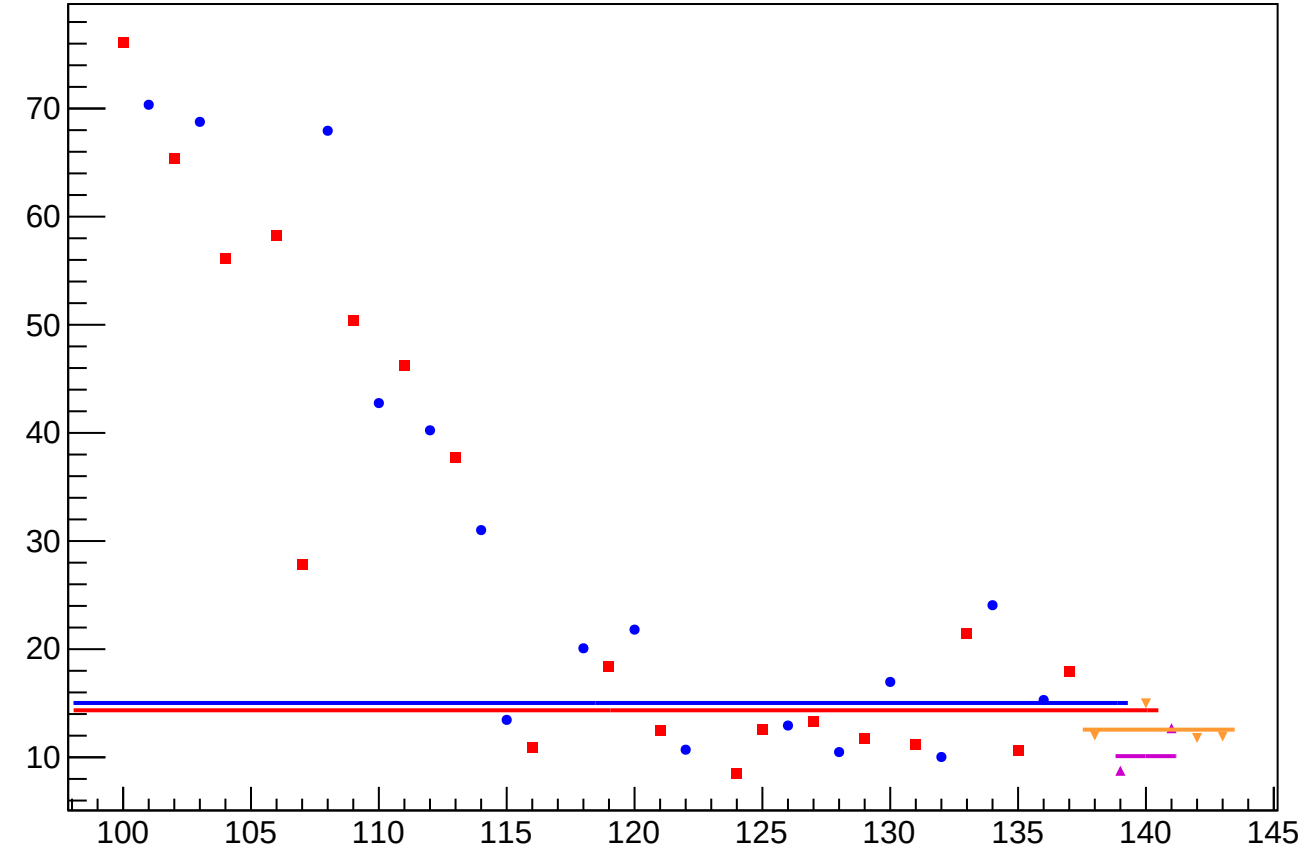
Left In: 0.001+/-0.008 χ^2/NDF:6.9/1

+ sign -0.001+/-0.005 χ^2/NDF: 20.7/19

All: 0.002+/-0.004 χ^2/NDF: 41.8/40

- sign 0.006+/-0.005 χ^2/NDF: 20.1/20

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: 12.559+/-0.005 χ^2/NDF:52008.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

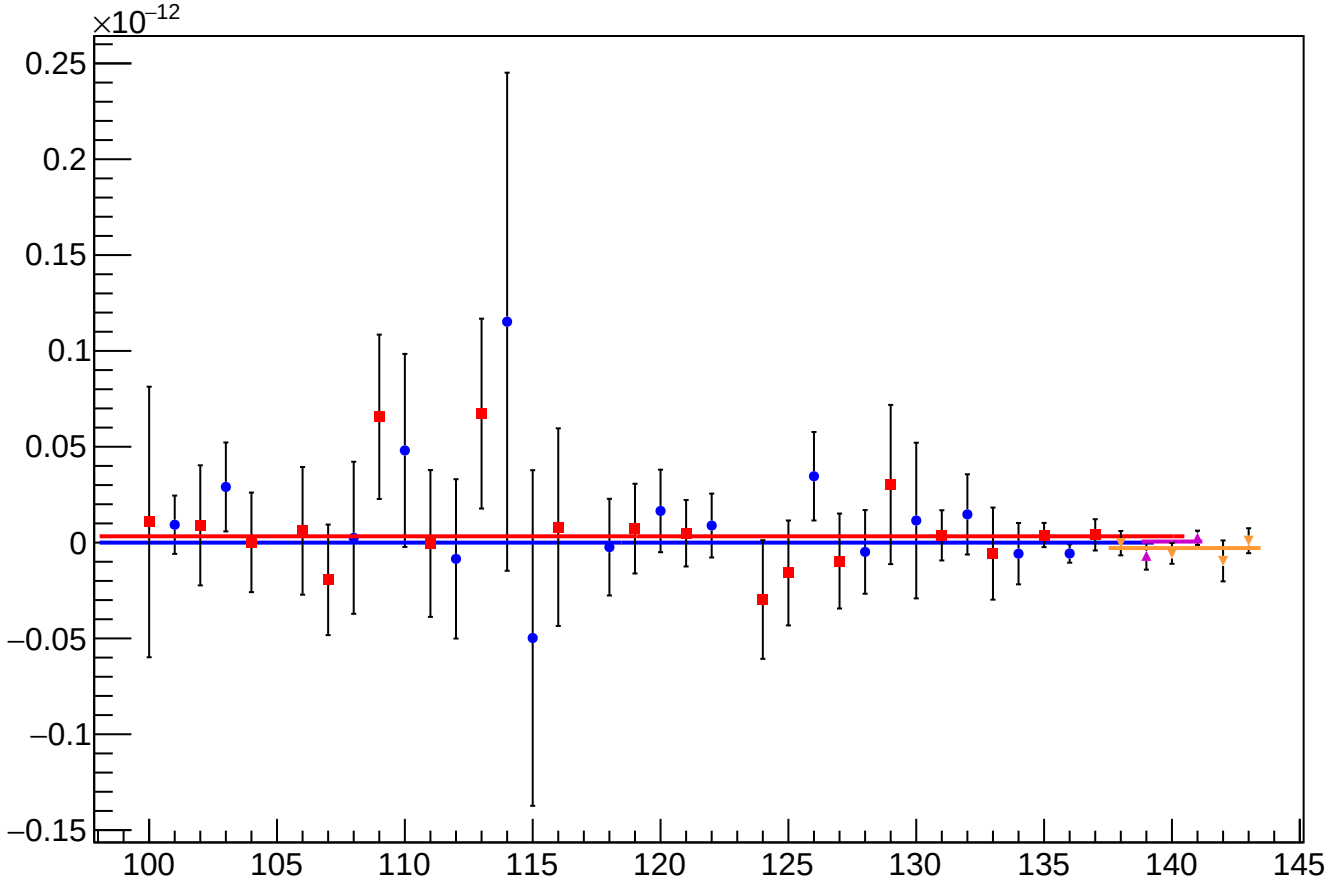
Left In: 10.108+/-0.006 χ^2/NDF:105368.1/1

+ sign 13.958+/-0.004 χ^2/NDF: 3606399.9/19

All: 13.340+/-0.003 χ^2/NDF: 7735878.3/40

- sign 12.732+/-0.004 χ^2/NDF: 4070455.7/20

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:1.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

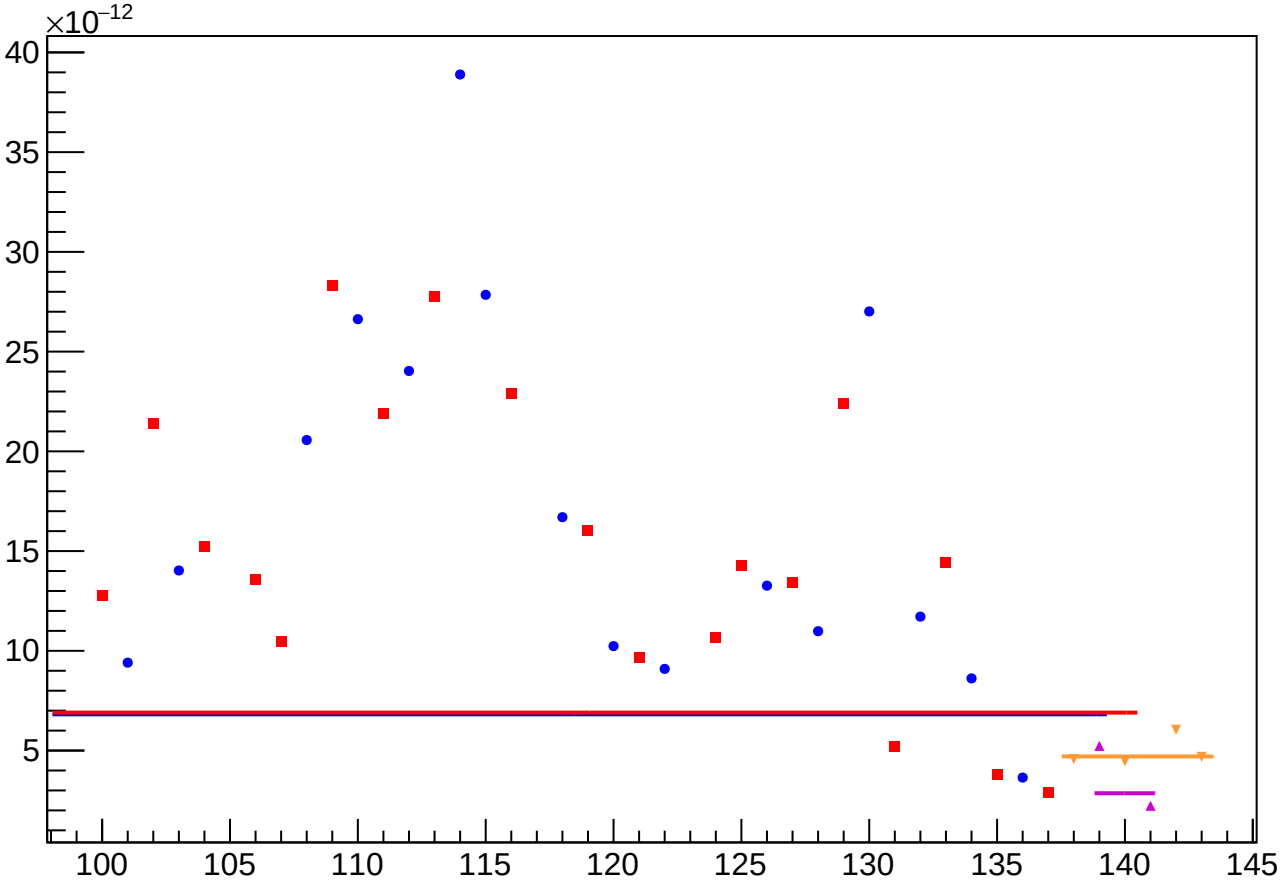
Left In: 0.000+/-0.000 χ^2/NDF:1.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 10.8/19

All: -0.000+/-0.000 χ^2/NDF: 20.3/40

- sign 0.000+/-0.000 χ^2/NDF: 8.6/20

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:36085.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

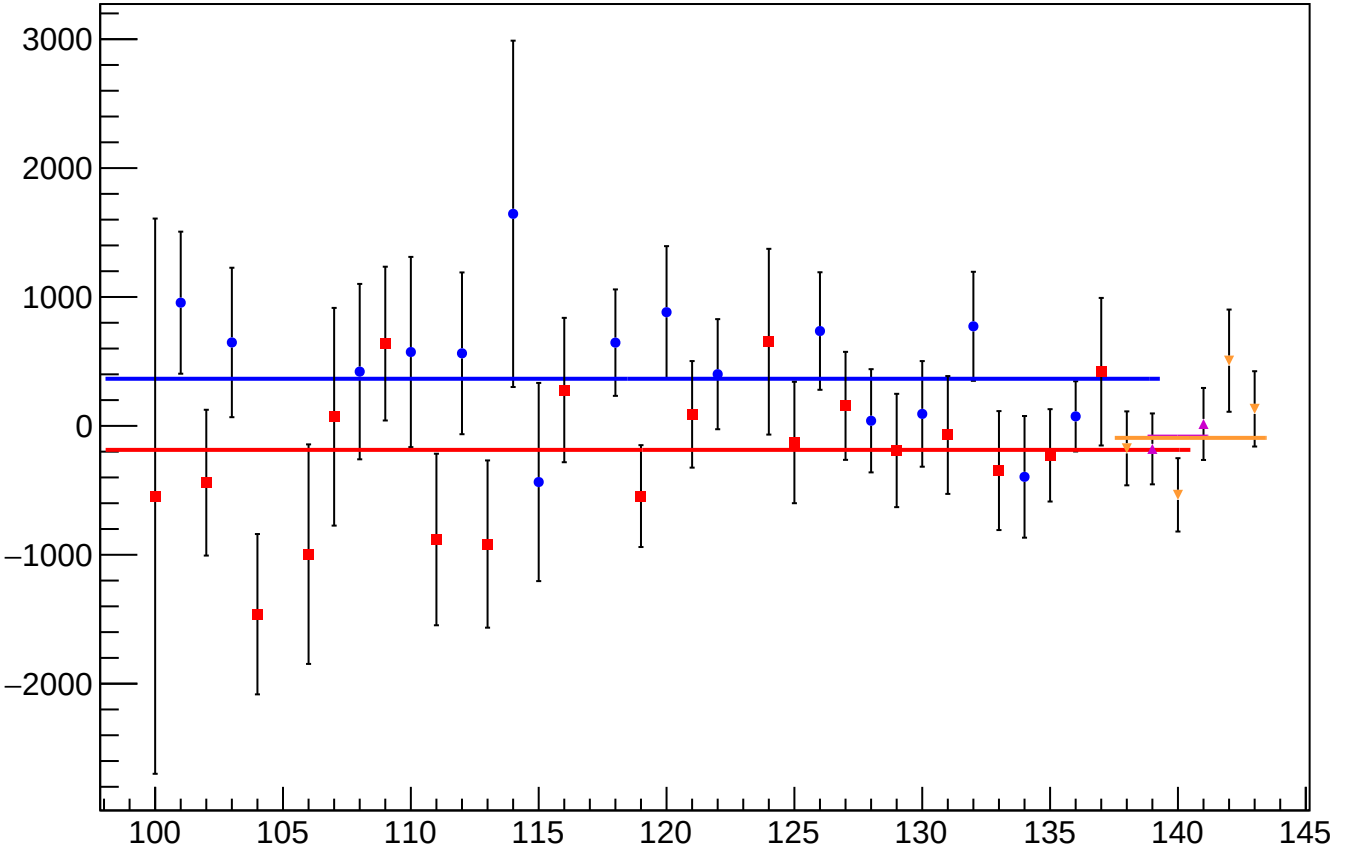
Left In: 0.000+/-0.000 χ^2/NDF:274305.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 3899920.2/19

All: 0.000+/-0.000 χ^2/NDF: 9843503.2/40

- sign 0.000+/-0.000 χ^2/NDF: 5751917.6/20

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

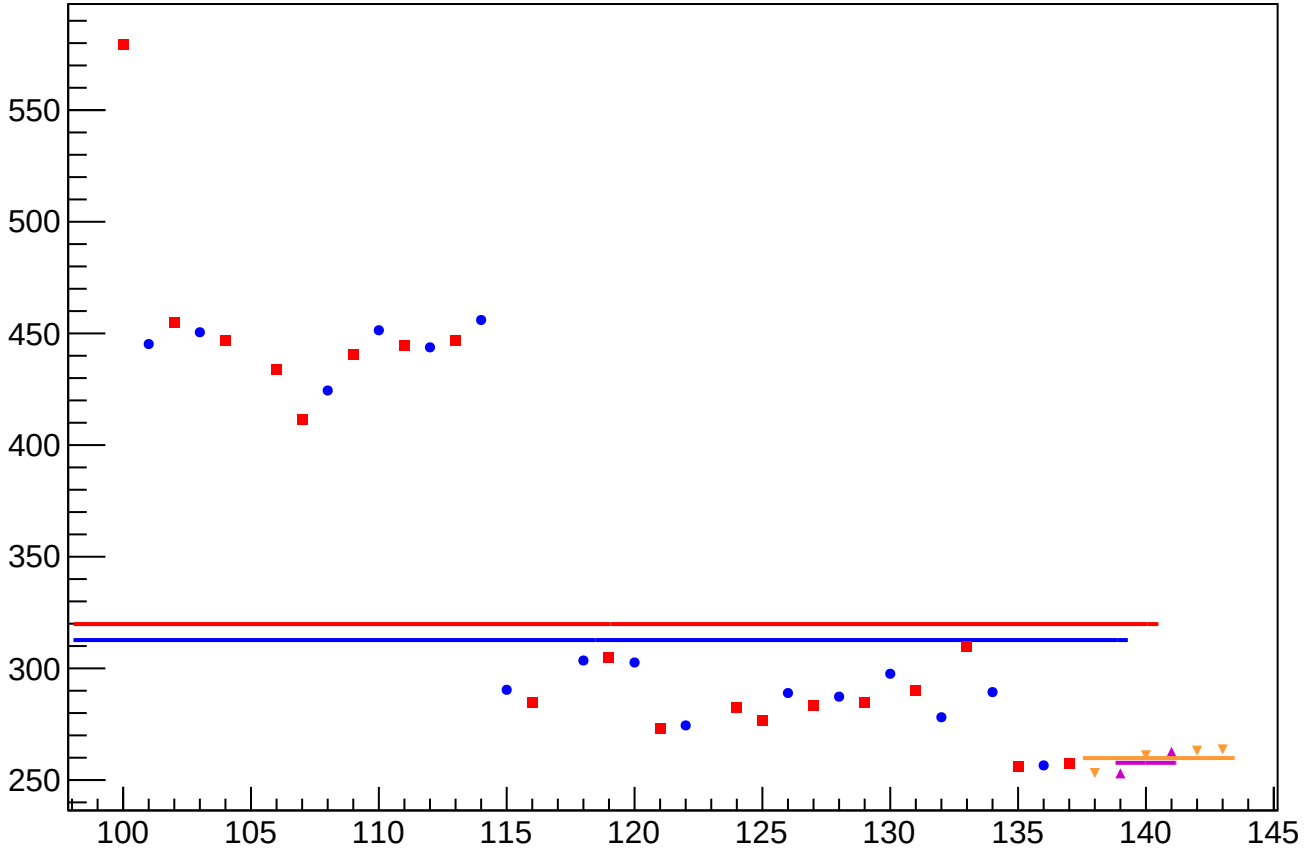
Left In: -83.261+/-195.985 χ^2/NDF:0.2/1

+ sign 193.297+/-93.929 χ^2/NDF: 22.4/19

All: 32.862+/-69.237 χ^2/NDF: 44.3/40

- sign -158.024+/-102.456 χ^2/NDF: 15.5/20

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

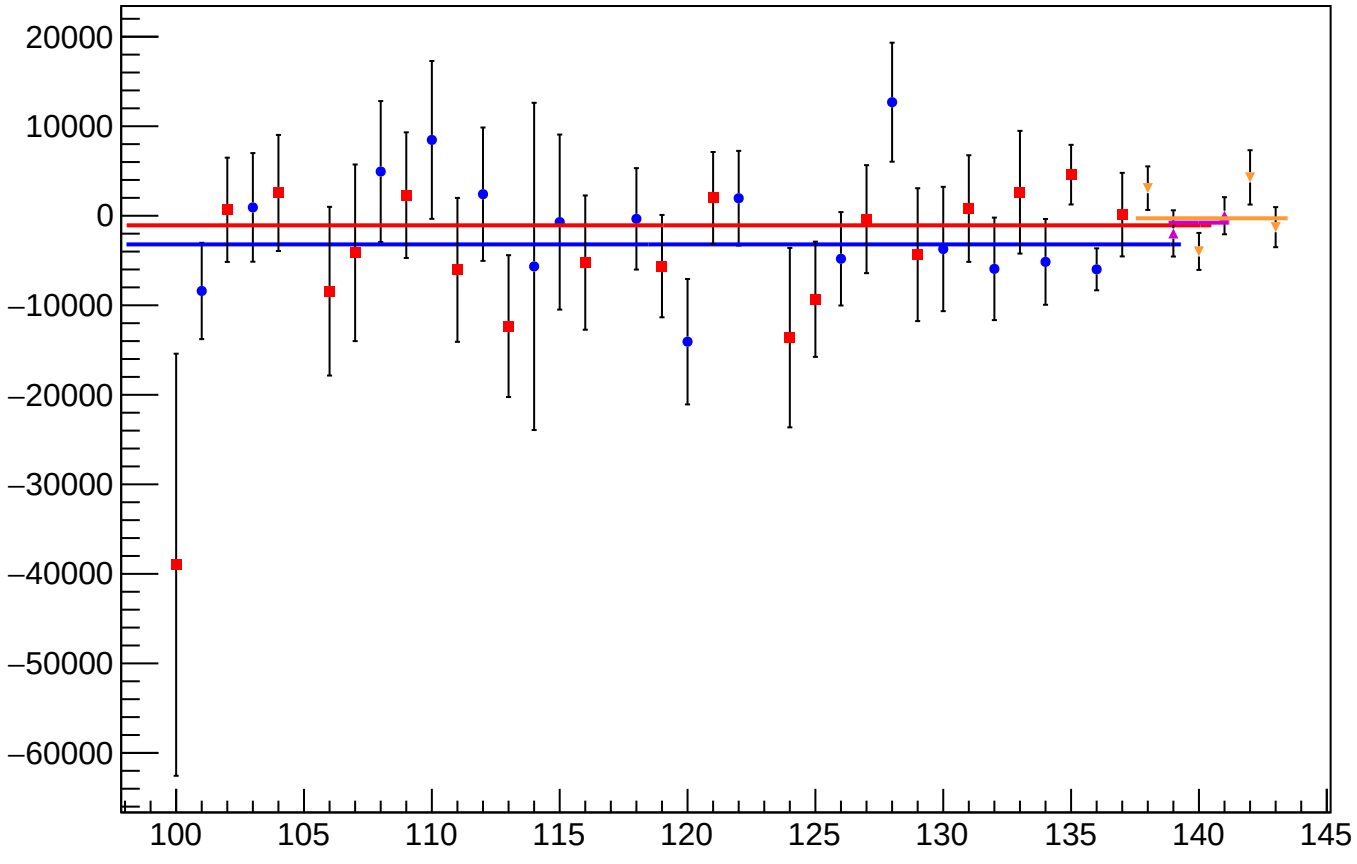
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

+ sign 292.832+/-0.066 χ^2/NDF: 752296.6/19

All: 297.413+/-0.049 χ^2/NDF: 1607826.5/40

- sign 302.862+/-0.072 χ^2/NDF: 845116.0/20



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -281.573+/-1185.313 χ^2/NDF:7.6/3

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

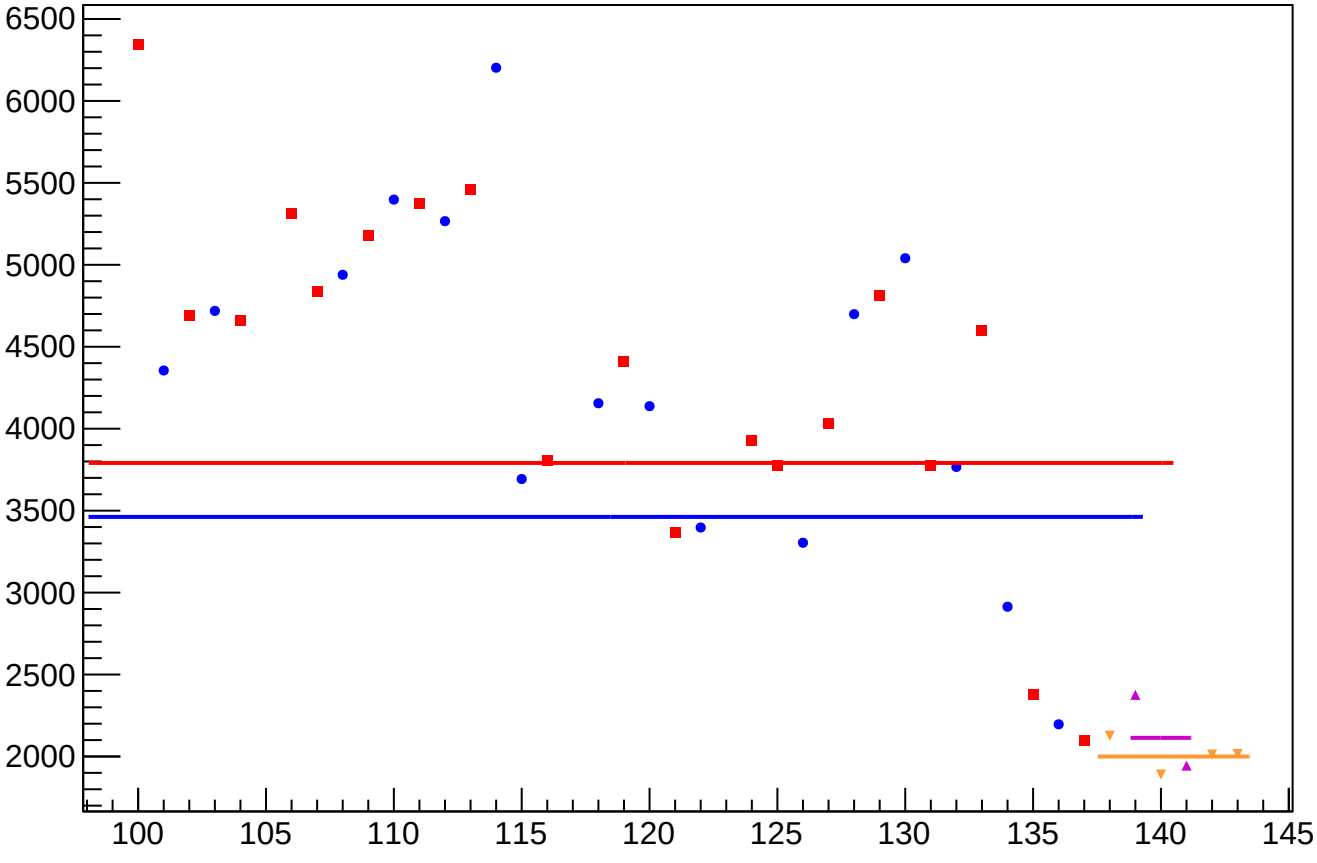
Left In: -770.881+/-1617.166 χ^2/NDF:0.4/1

+ sign -1547.418+/-891.802 χ^2/NDF: 26.3/19

All: -1298.310+/-686.838 χ^2/NDF: 41.3/40

- sign -935.116+/-1076.821 χ^2/NDF: 14.8/20

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11245.6/3

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

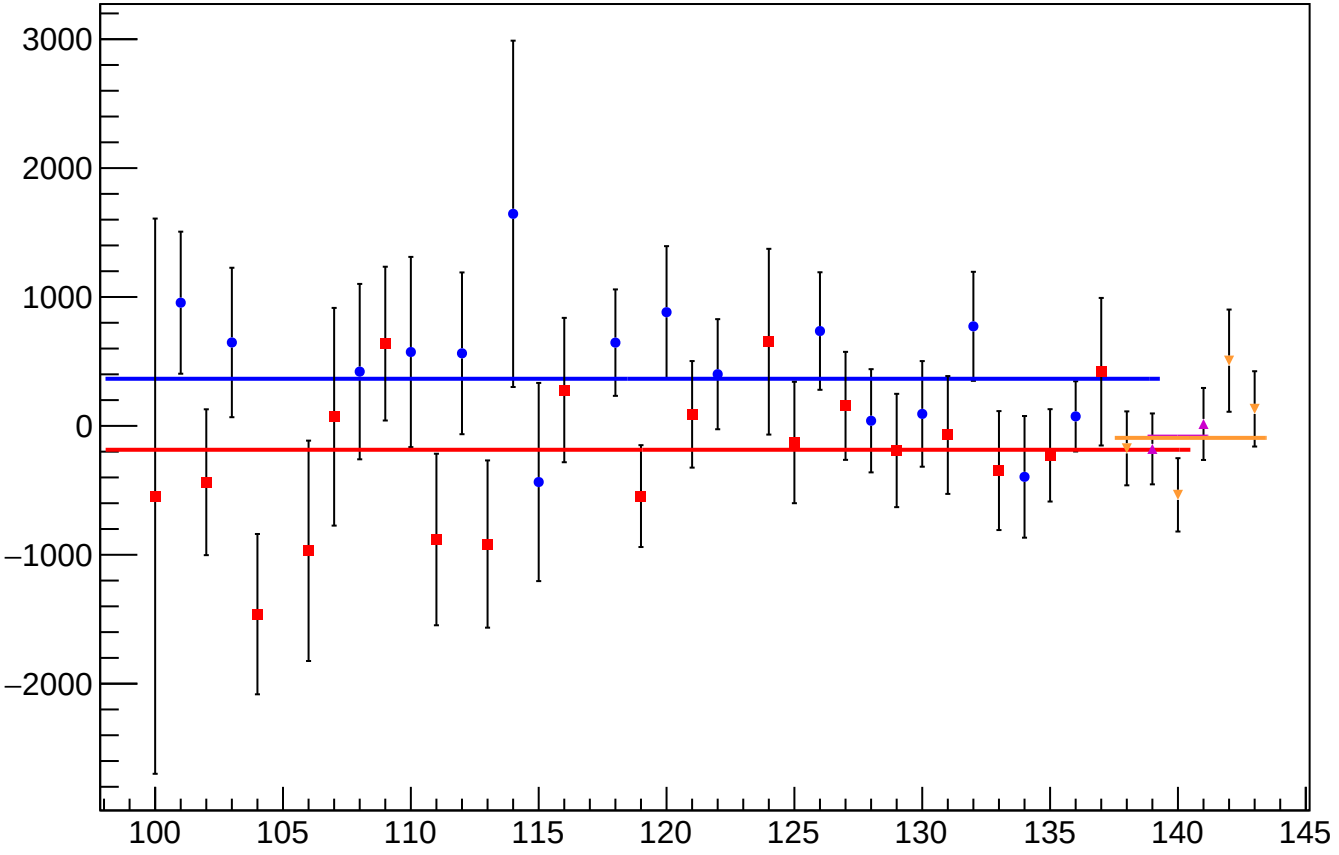
Left In: 2113.692+/-1.144 χ^2/NDF:33968.2/1

+ sign 2634.216+/-0.631 χ^2/NDF: 2641512.3/19

All: 2802.327+/-0.486 χ^2/NDF: 5203799.3/40

- sign 3047.428+/-0.761 χ^2/NDF: 2387598.9/20

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

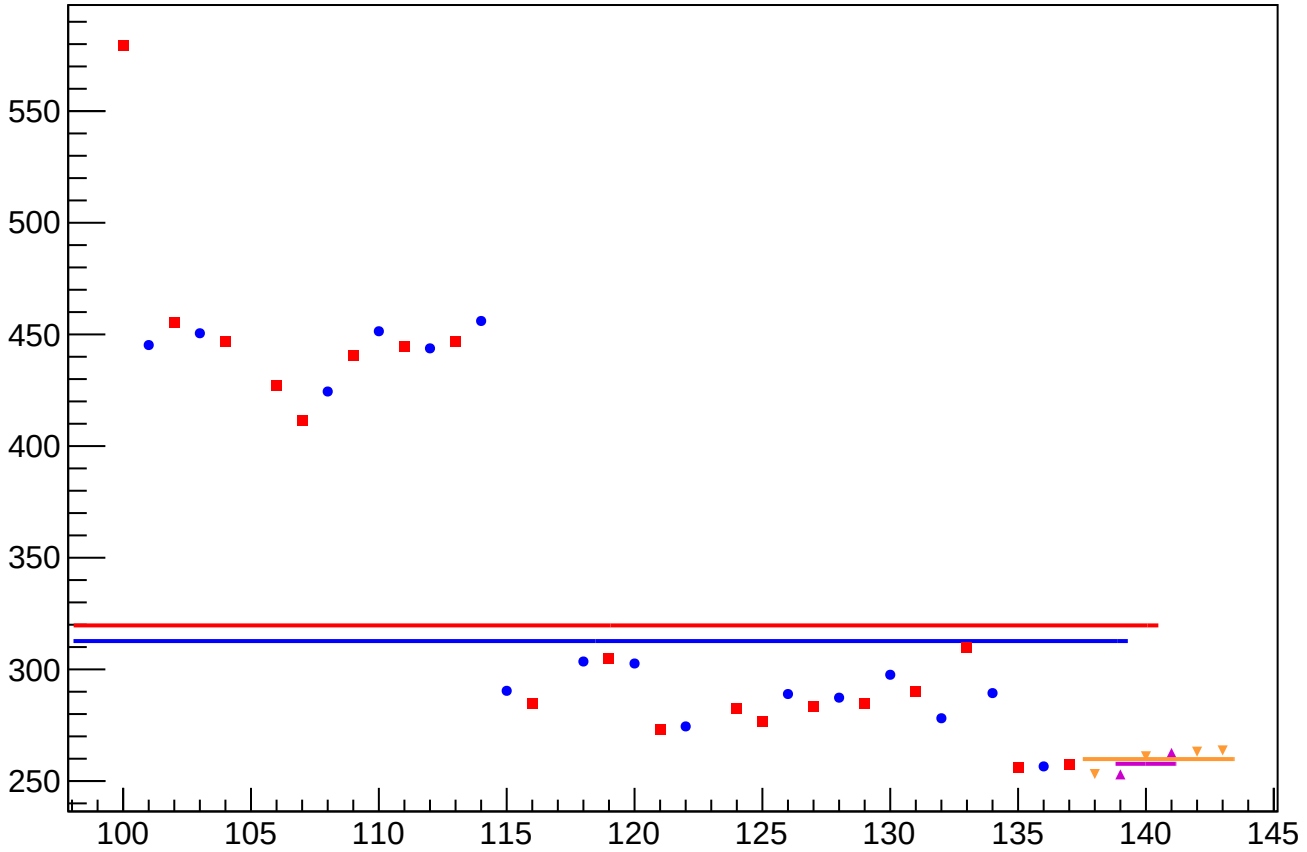
Left In: -83.287+/-195.985 χ^2/NDF:0.2/1

+ sign 193.287+/-93.929 χ^2/NDF: 22.4/19

All: 33.136+/-69.239 χ^2/NDF: 44.2/40

- sign -157.439+/-102.463 χ^2/NDF: 15.4/20

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

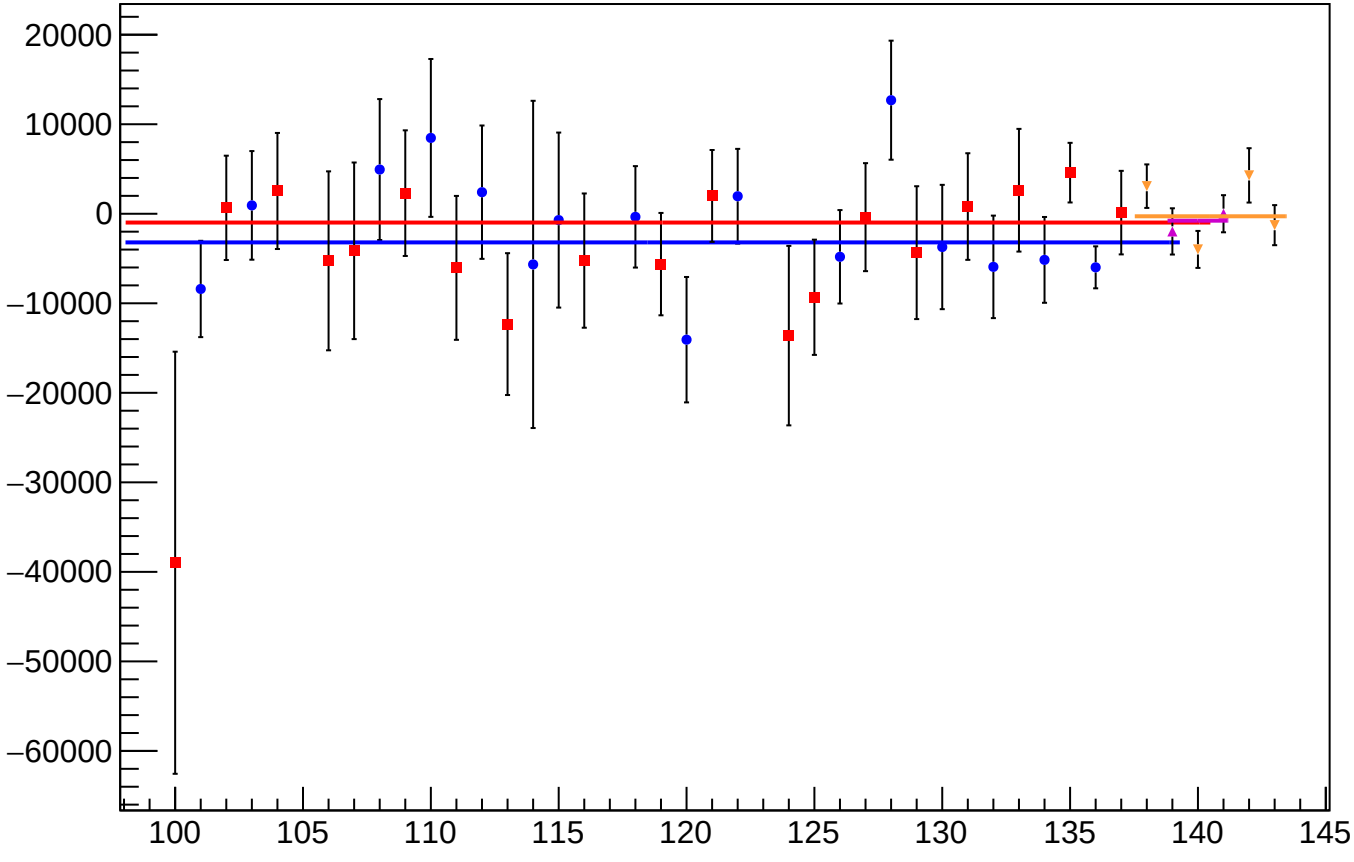
Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

+ sign 292.832+/-0.066 χ^2/NDF: 752298.2/19

All: 297.362+/-0.049 χ^2/NDF: 1602733.3/40

- sign 302.752+/-0.072 χ^2/NDF: 840249.1/20

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -281.574+/-1185.312 χ^2/NDF:7.6/3

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

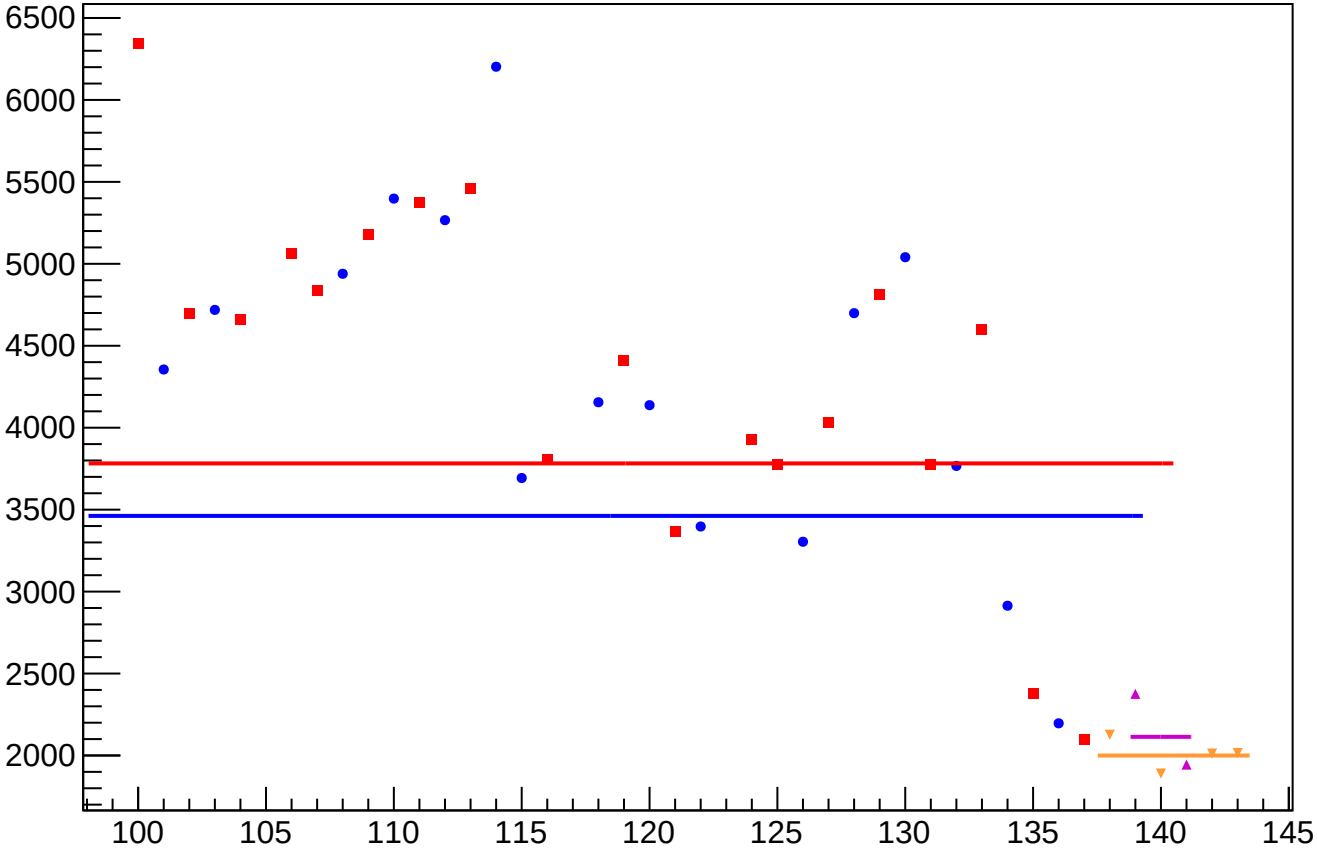
Left In: -770.945+/-1617.167 χ^2/NDF:0.4/1

+ sign -1547.386+/-891.802 χ^2/NDF: 26.3/19

All: -1279.234+/-687.047 χ^2/NDF: 40.8/40

- sign -887.692+/-1077.625 χ^2/NDF: 14.3/20

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11246.0/3

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

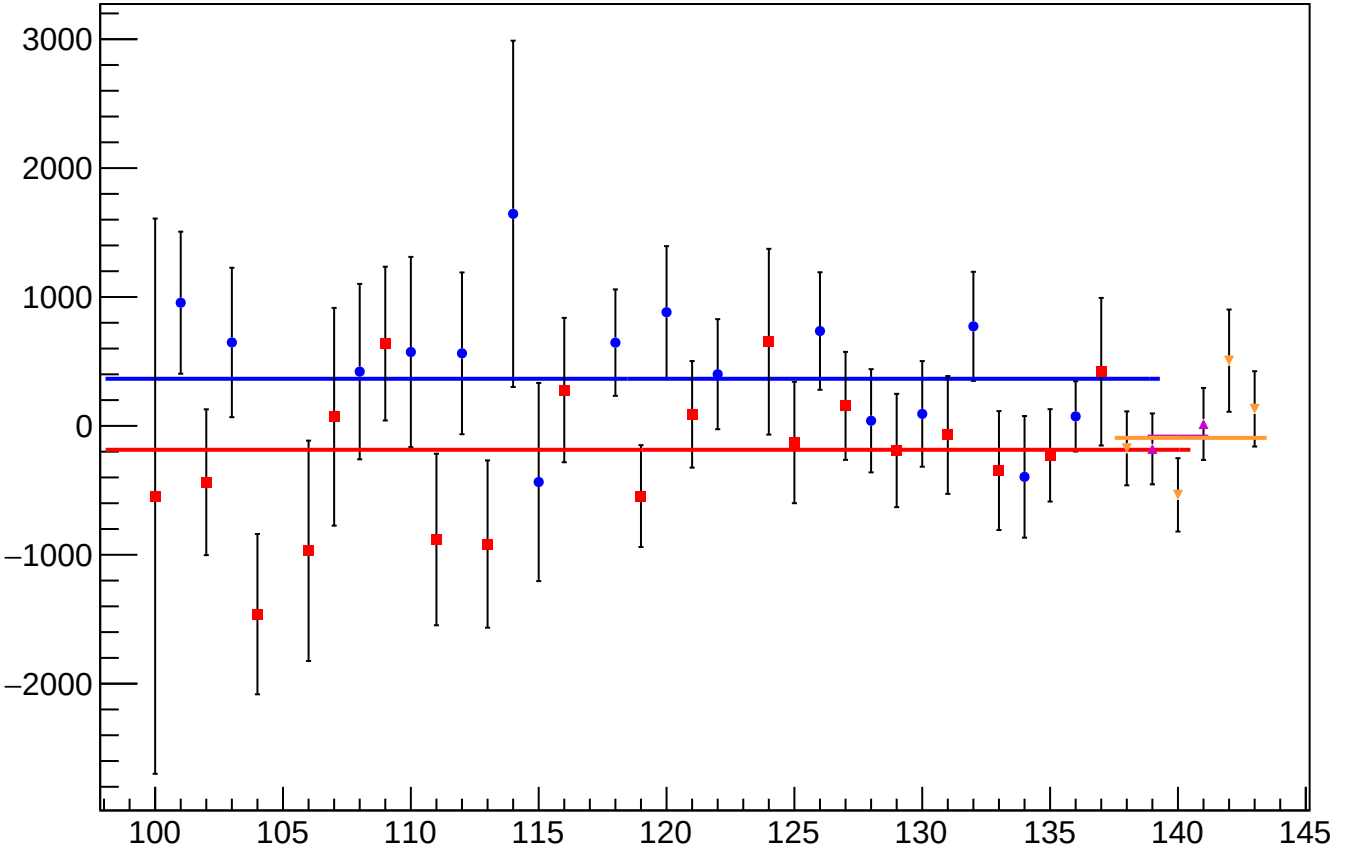
Left In: 2113.693+/-1.144 χ^2/NDF:33968.1/1

+ sign 2634.216+/-0.631 χ^2/NDF: 2641533.6/19

All: 2799.686+/-0.486 χ^2/NDF: 5164835.6/40

- sign 3041.297+/-0.762 χ^2/NDF: 2353910.4/20

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

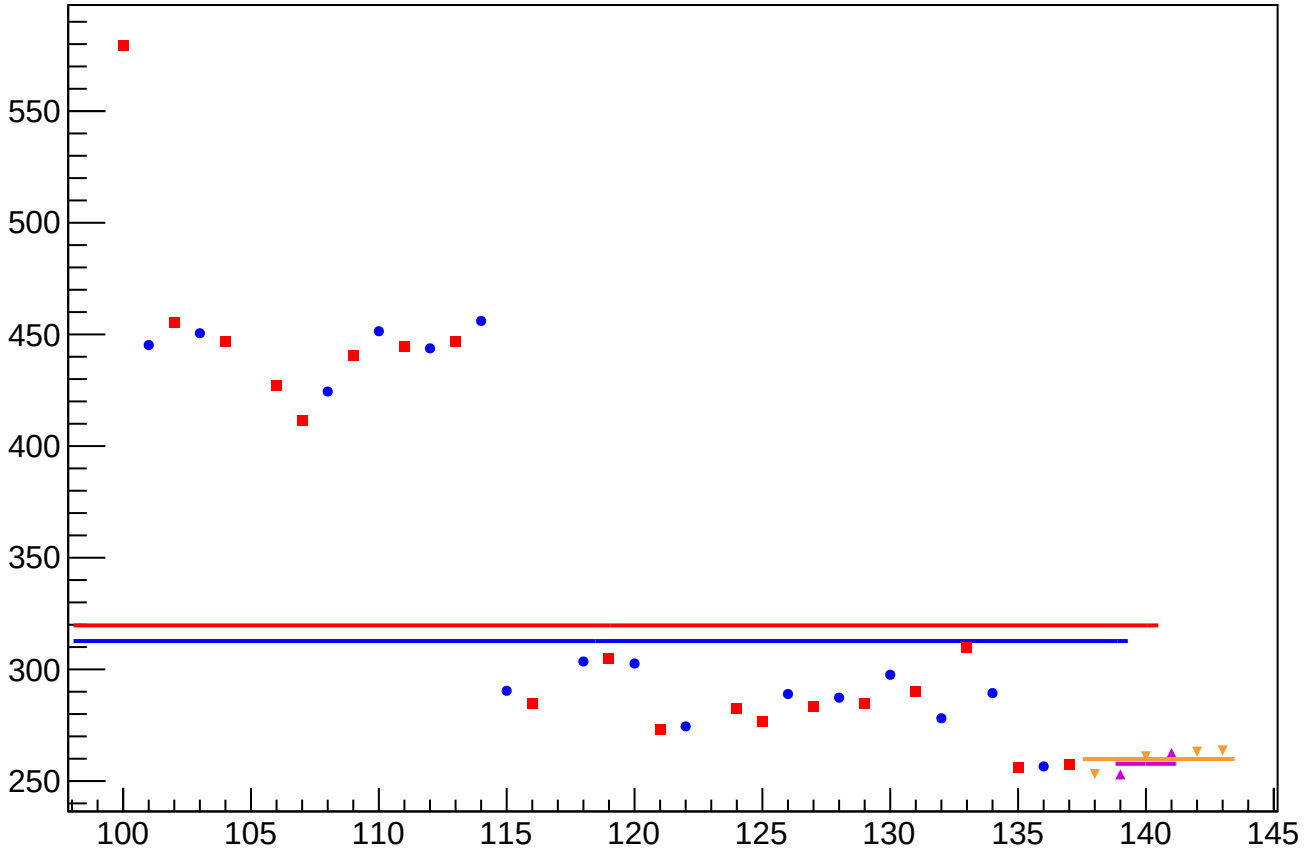
Left In: -83.287+/-195.985 χ^2/NDF:0.2/1

+ sign 193.287+/-93.929 χ^2/NDF: 22.4/19

All: 33.136+/-69.239 χ^2/NDF: 44.2/40

- sign -157.439+/-102.463 χ^2/NDF: 15.4/20

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

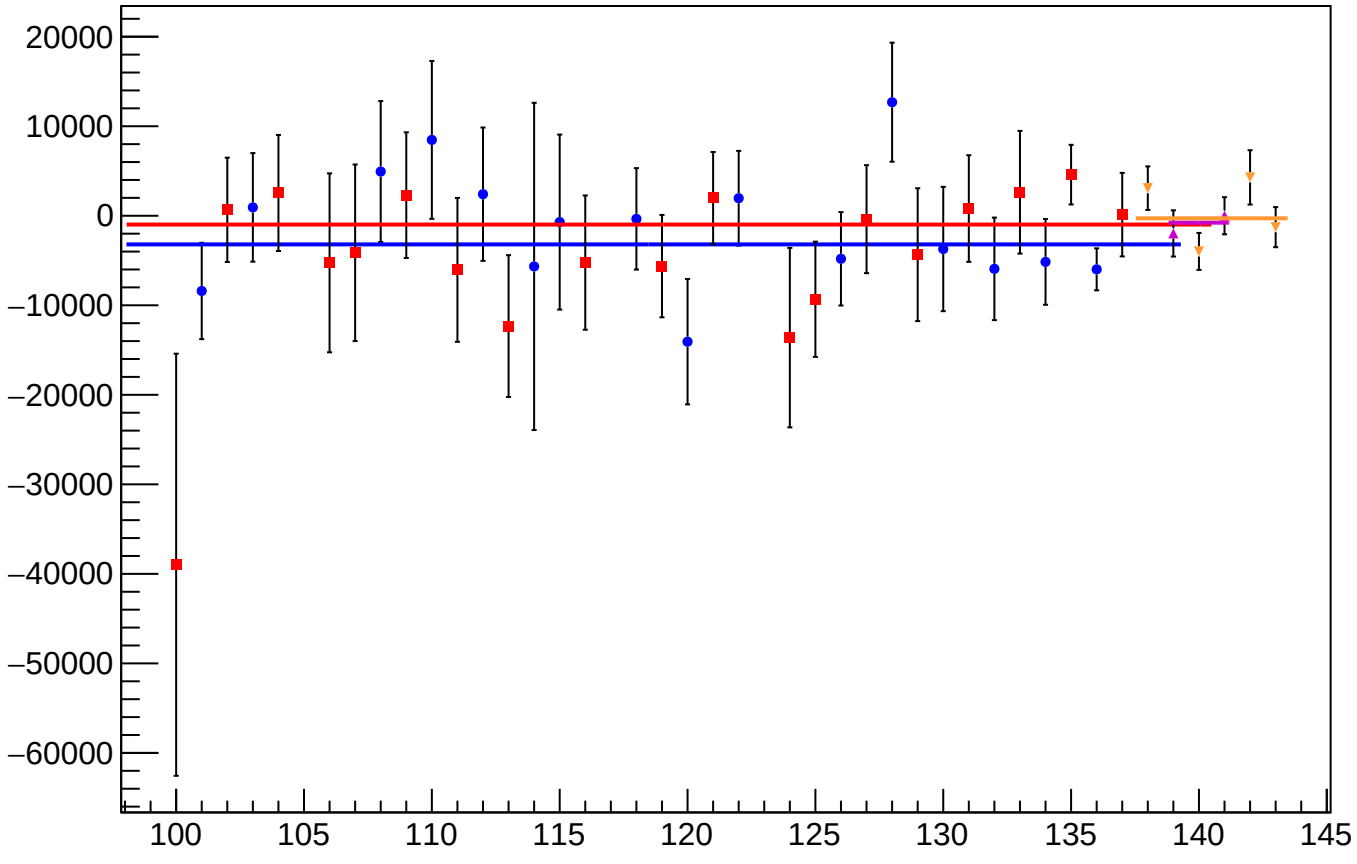
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

+ sign 292.832+/-0.066 χ^2/NDF: 752298.2/19

All: 297.362+/-0.049 χ^2/NDF: 1602733.3/40

- sign 302.752+/-0.072 χ^2/NDF: 840249.1/20



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -281.574+/-1185.312 χ^2/NDF:7.6/3

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

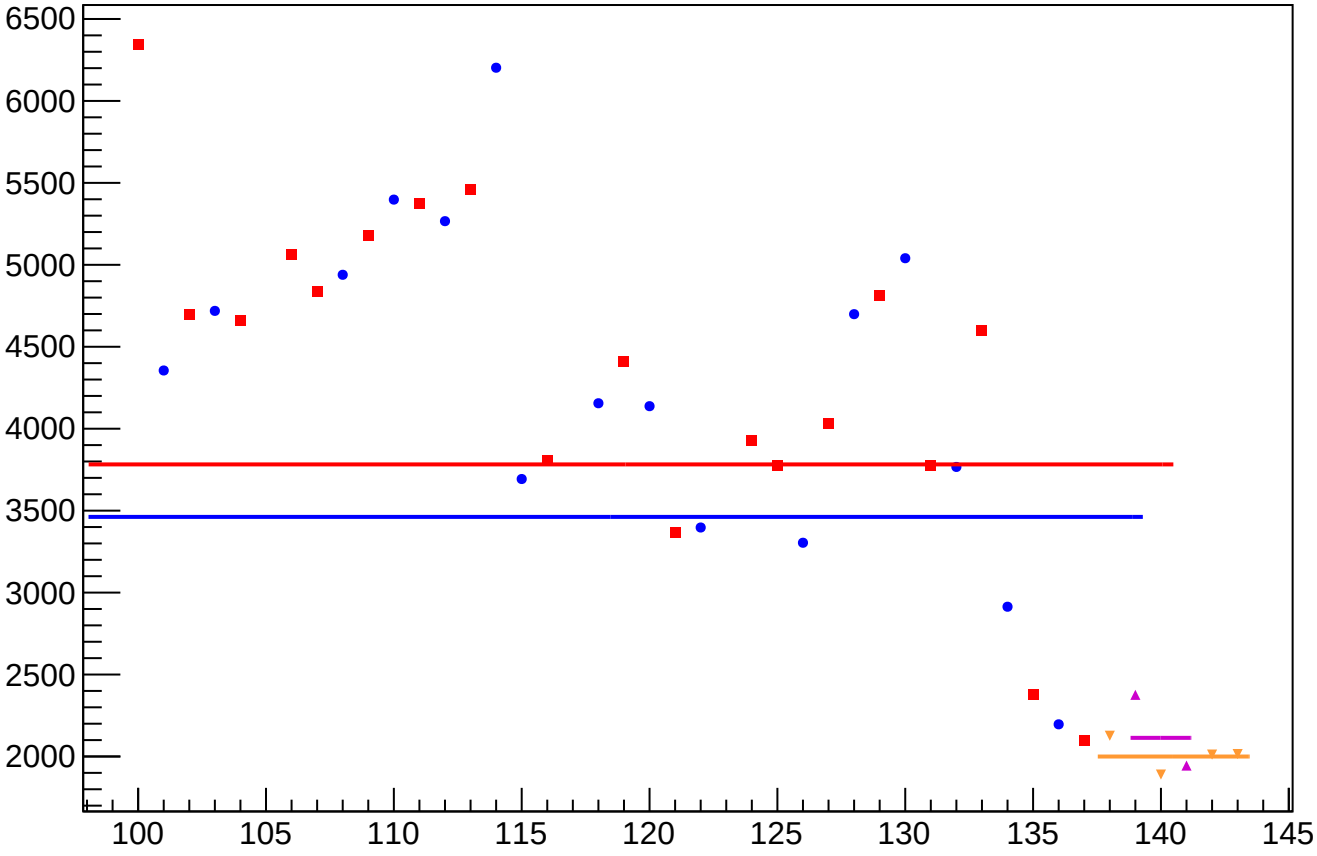
Left In: -770.945+/-1617.167 χ^2/NDF:0.4/1

+ sign -1547.386+/-891.802 χ^2/NDF: 26.3/19

All: -1279.234+/-687.047 χ^2/NDF: 40.8/40

- sign -887.692+/-1077.625 χ^2/NDF: 14.3/20

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11246.0/3

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

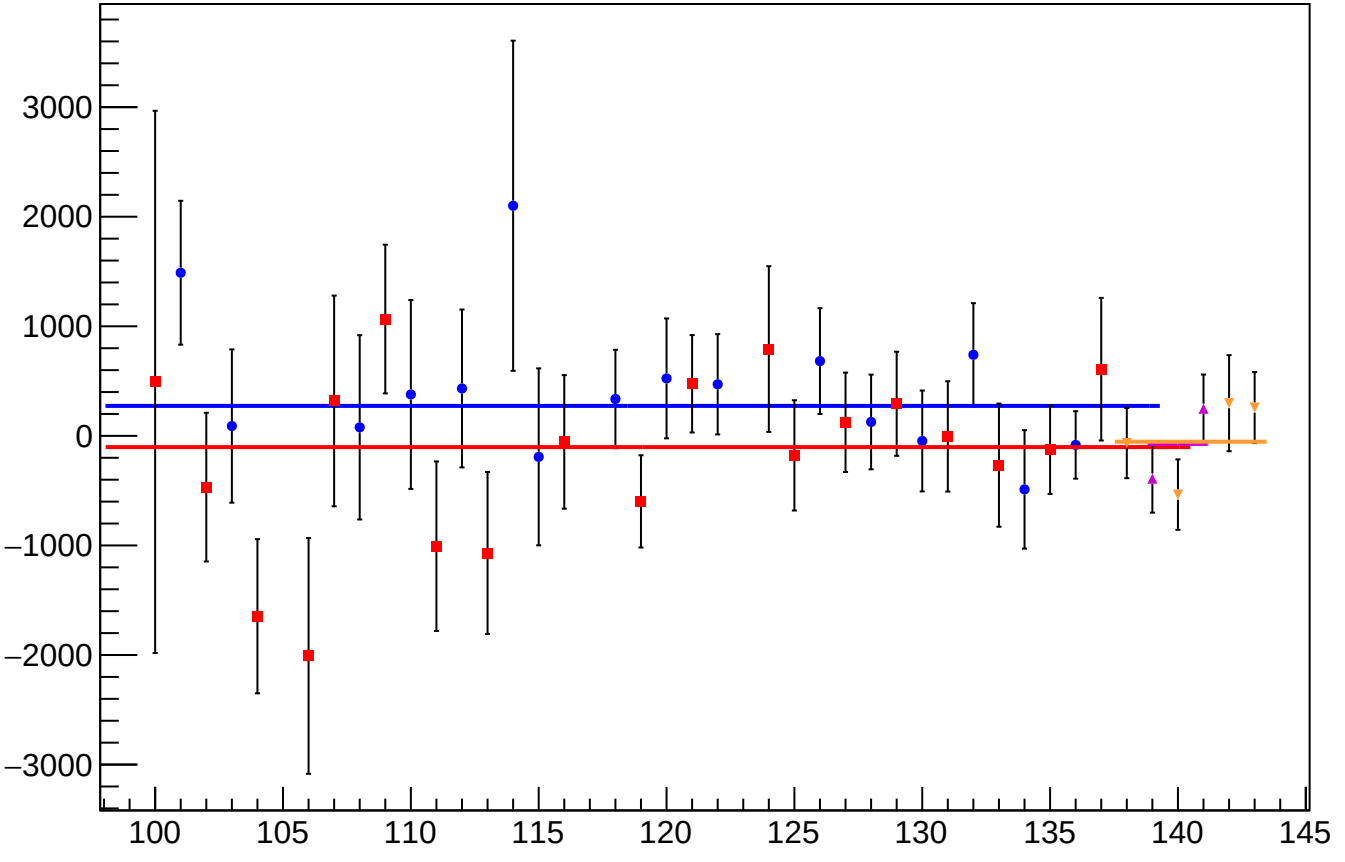
Left In: 2113.693+/-1.144 χ^2/NDF:33968.1/1

+ sign 2634.216+/-0.631 χ^2/NDF: 2641533.6/19

All: 2799.686+/-0.486 χ^2/NDF: 5164835.6/40

- sign 3041.297+/-0.762 χ^2/NDF: 2353910.4/20

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -53.258+/-171.099 χ^2/NDF:3.8/3

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

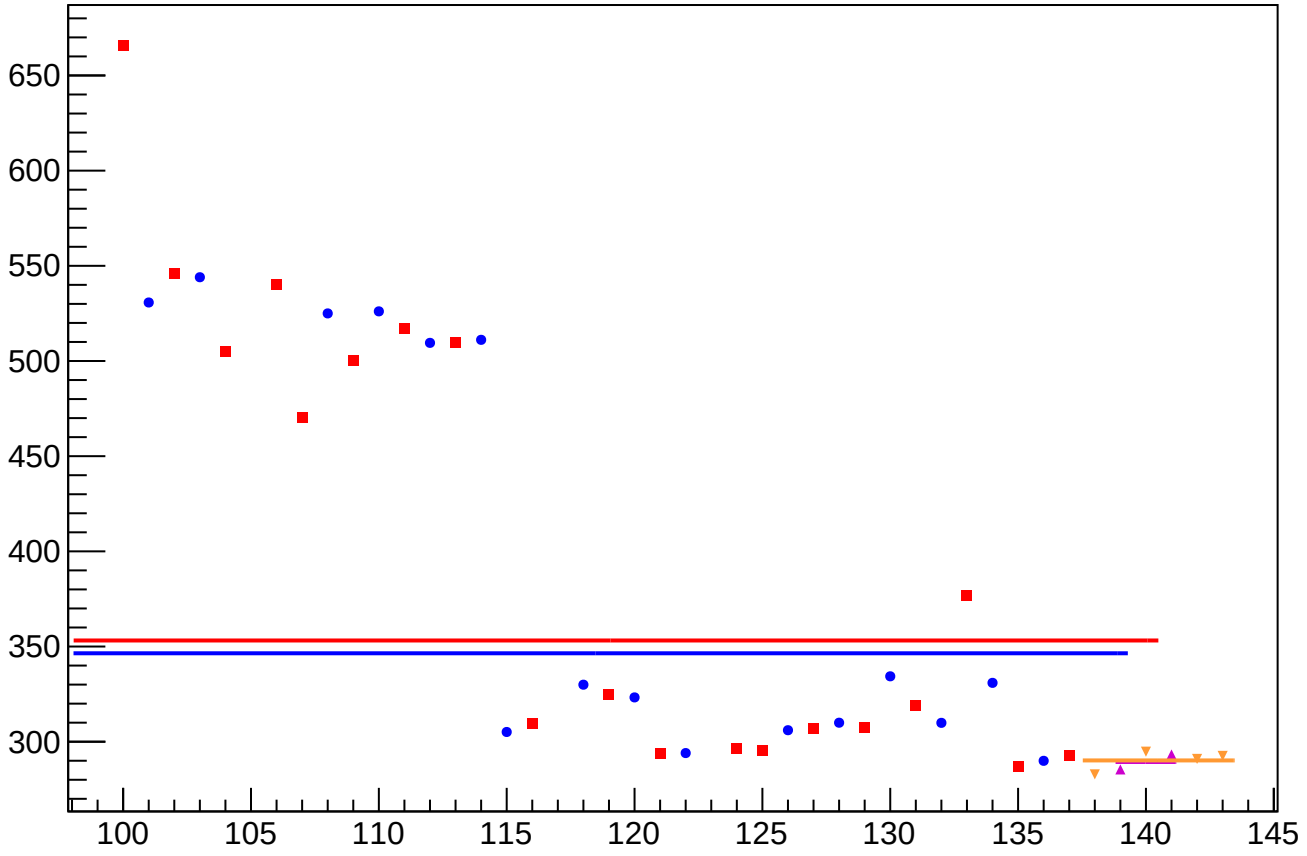
Left In: -73.105+/-219.989 χ^2/NDF:2.1/1

+ sign 151.010+/-104.779 χ^2/NDF: 17.6/19

All: 38.801+/-77.204 χ^2/NDF: 43.5/40

- sign -94.484+/-114.195 χ^2/NDF: 23.4/20

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 290.167+/-0.121 χ^2/NDF:1568.4/3

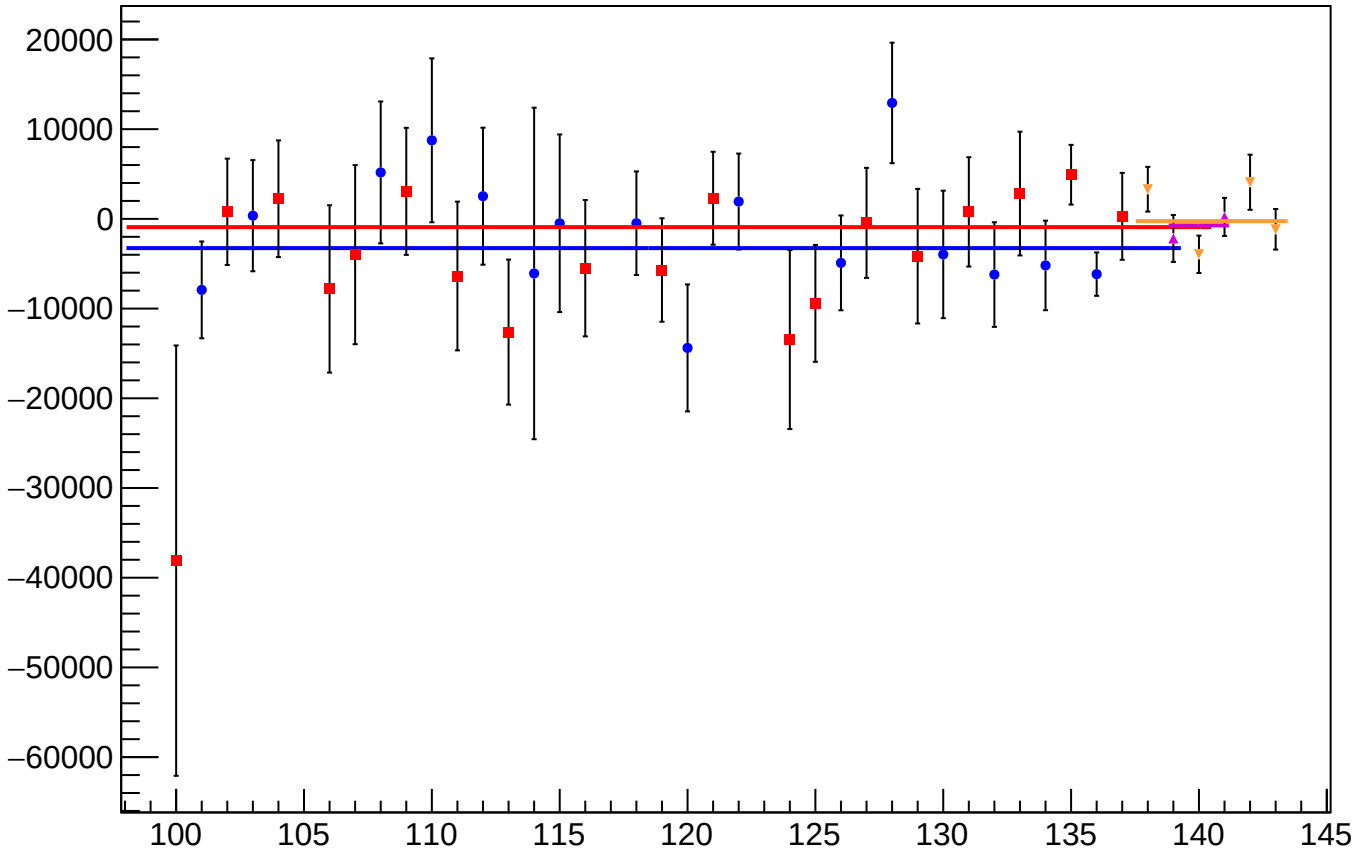
Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 289.350+/-0.156 χ^2/NDF:637.6/1

+ sign 325.346+/-0.074 χ^2/NDF: 905610.5/19

All: 330.206+/-0.055 χ^2/NDF: 1905019.8/40

- sign 335.979+/-0.081 χ^2/NDF: 989995.8/20



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -253.027+/-1200.890 χ^2/NDF:7.3/3

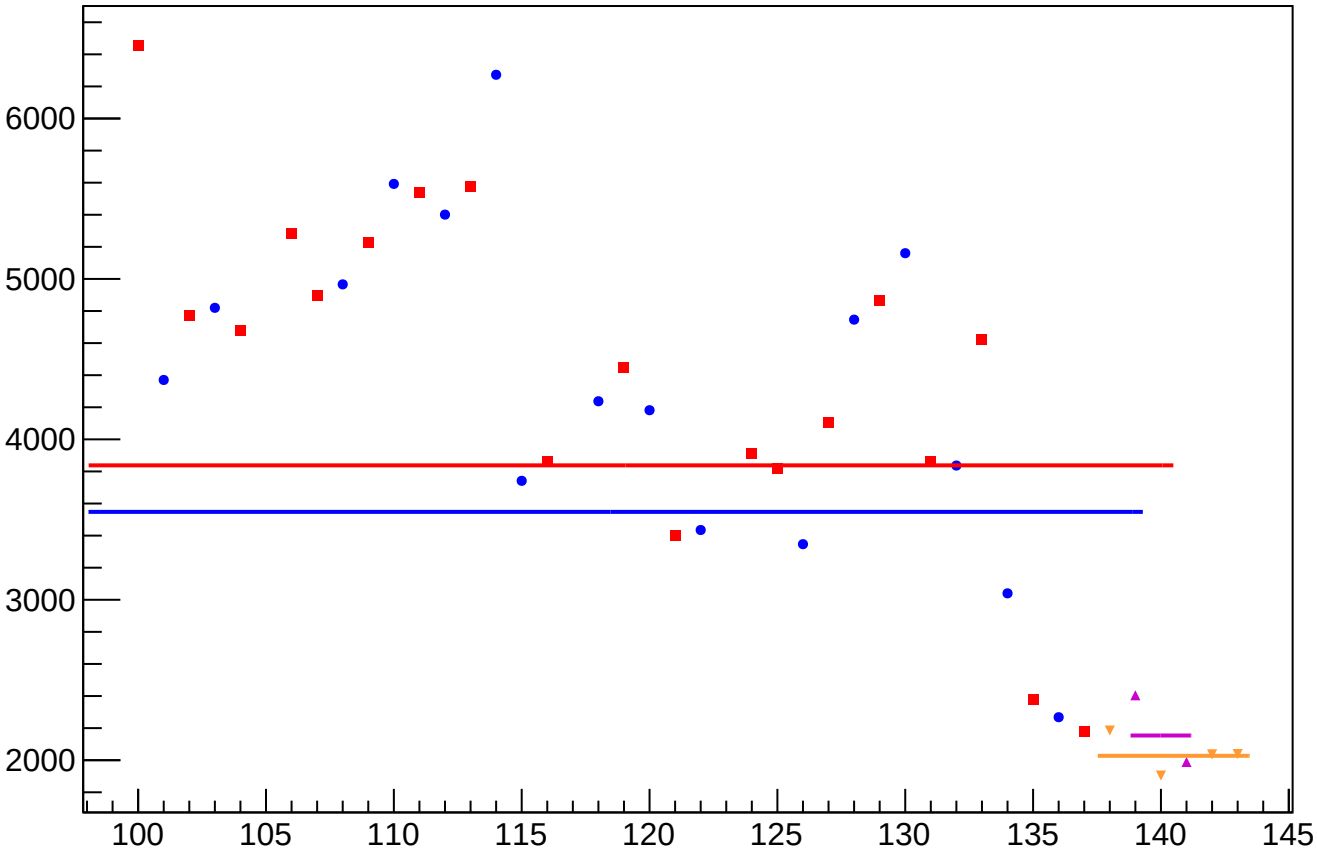
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -734.055+/-1646.667 χ^2/NDF:0.5/1

+ sign -1543.919+/-907.077 χ^2/NDF: 26.1/19

All: -1256.257+/-697.947 χ^2/NDF: 41.5/40

- sign -838.784+/-1092.741 χ^2/NDF: 15.1/20



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2027.348+/-0.849 χ^2/NDF:15055.1/3

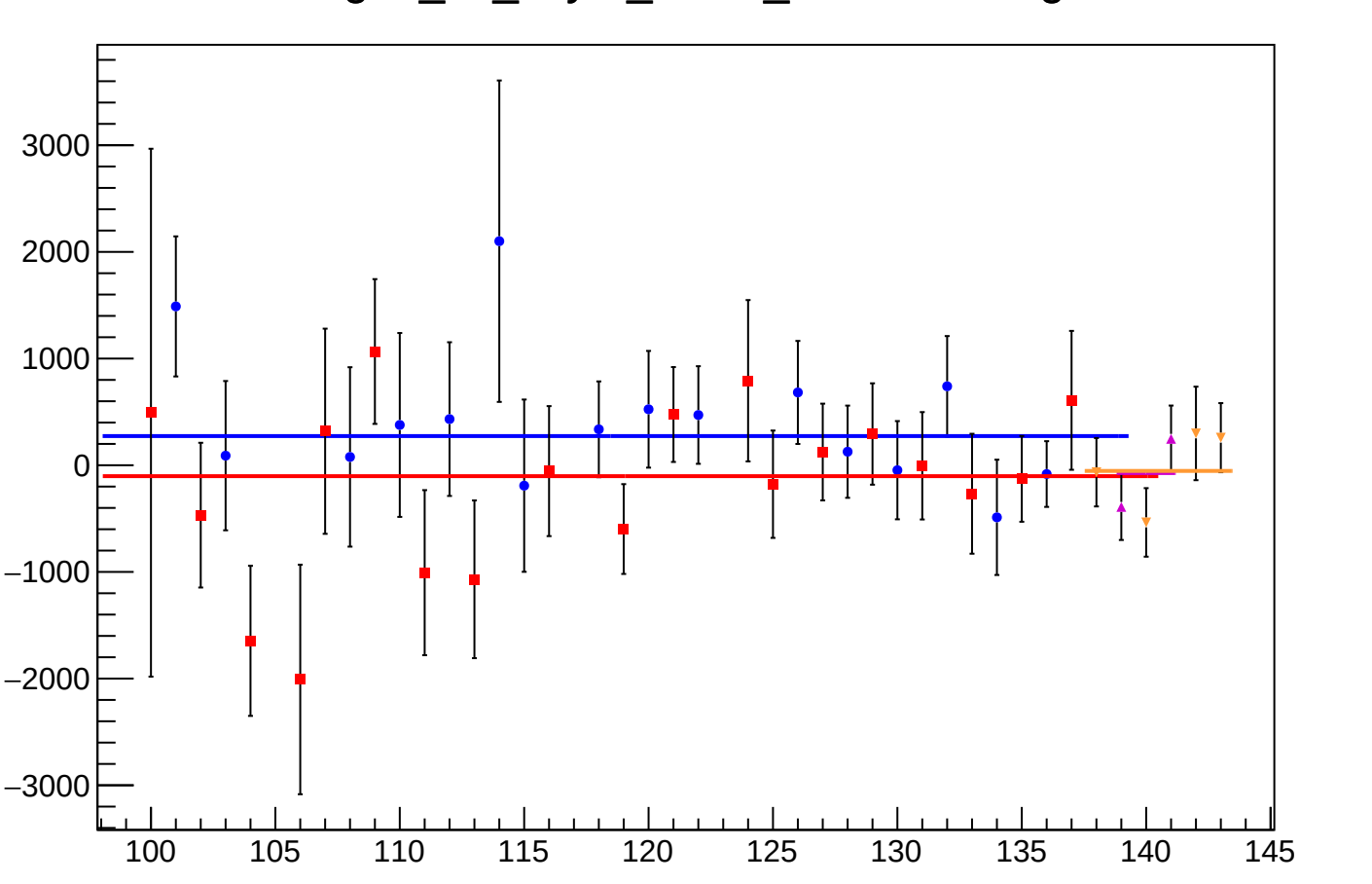
Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2154.015+/-1.164 χ^2/NDF:30502.5/1

+ sign 2680.403+/-0.641 χ^2/NDF: 2650733.2/19

All: 2850.109+/-0.494 χ^2/NDF: 5179182.9/40

- sign 3096.397+/-0.773 χ^2/NDF: 2356845.9/20



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -53.264+/-171.099 χ^2/NDF:3.8/3

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

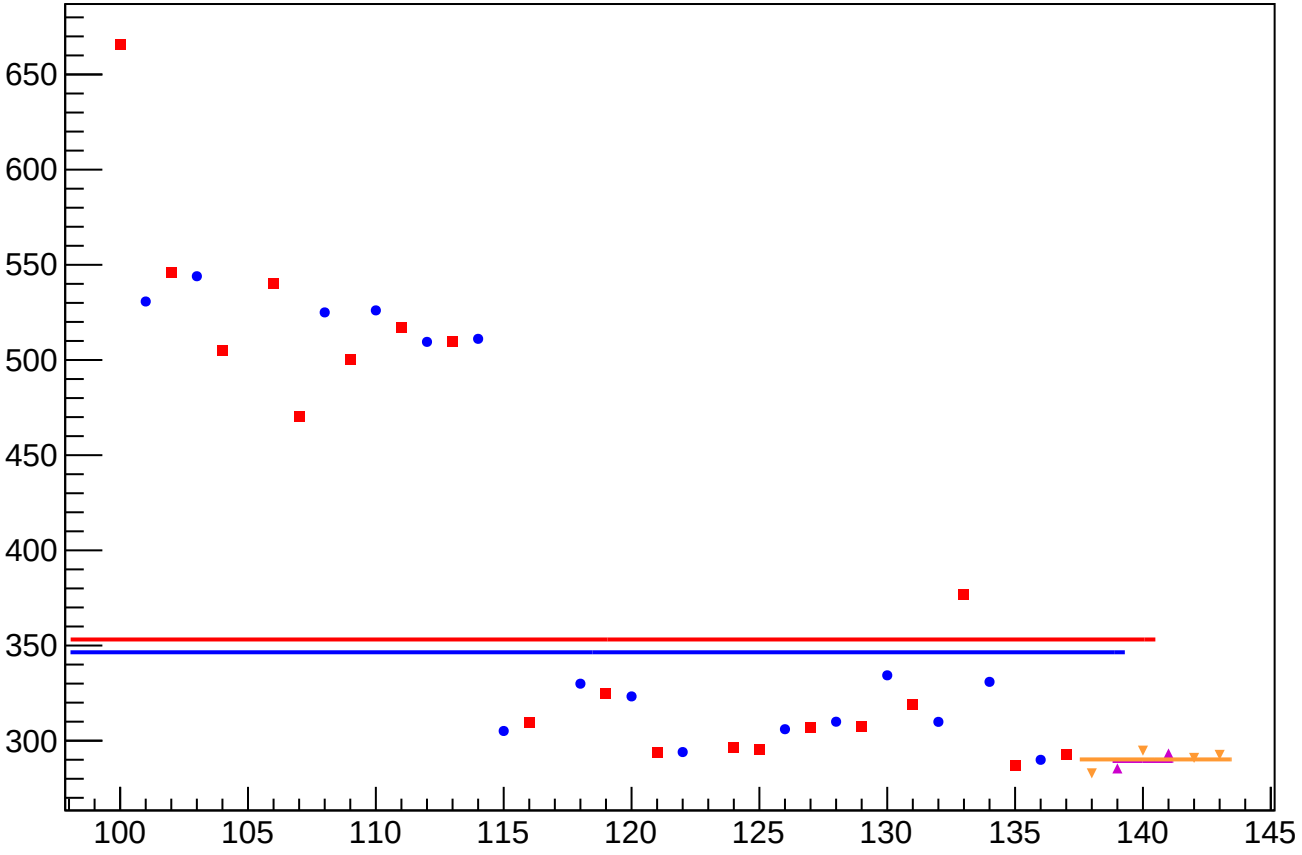
Left In: -73.103+/-219.989 χ^2/NDF:2.1/1

+ sign 151.011+/-104.778 χ^2/NDF: 17.6/19

All: 38.802+/-77.204 χ^2/NDF: 43.5/40

- sign -94.482+/-114.195 χ^2/NDF: 23.4/20

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 290.167+/-0.121 χ^2/NDF:1568.7/3

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

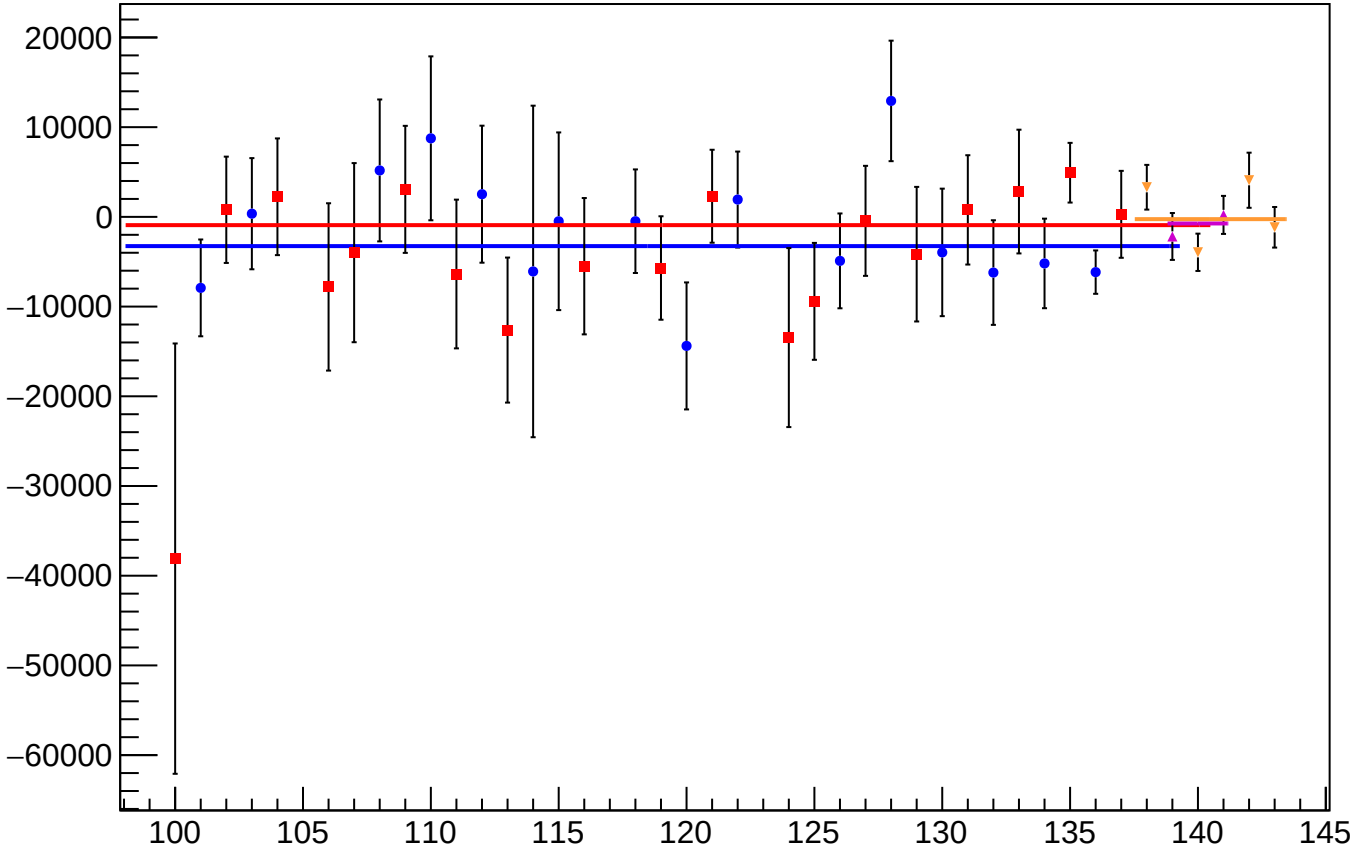
Left In: 289.350+/-0.156 χ^2/NDF:637.7/1

\+ sign 325.345+/-0.074 χ^2/NDF: 905593.8/19

All: 330.205+/-0.055 χ^2/NDF: 1904989.1/40

\- sign 335.978+/-0.081 χ^2/NDF: 989981.2/20

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -253.029+/-1200.890 χ^2/NDF:7.3/3

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

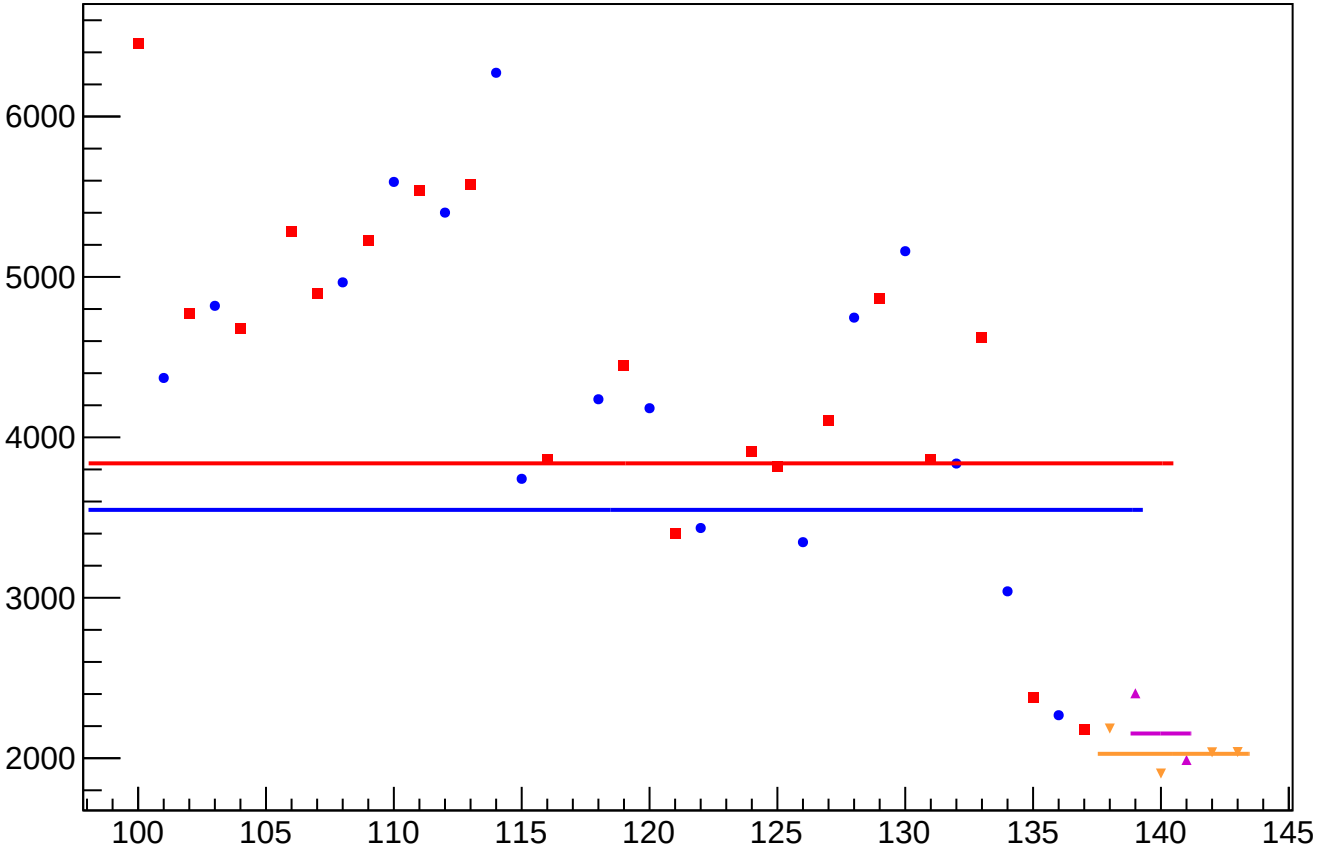
Left In: -734.058+/-1646.666 χ^2/NDF:0.5/1

+ sign -1543.919+/-907.076 χ^2/NDF: 26.1/19

All: -1256.258+/-697.946 χ^2/NDF: 41.5/40

- sign -838.787+/-1092.740 χ^2/NDF: 15.1/20

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2027.348+/-0.849 χ^2/NDF:15054.3/3

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

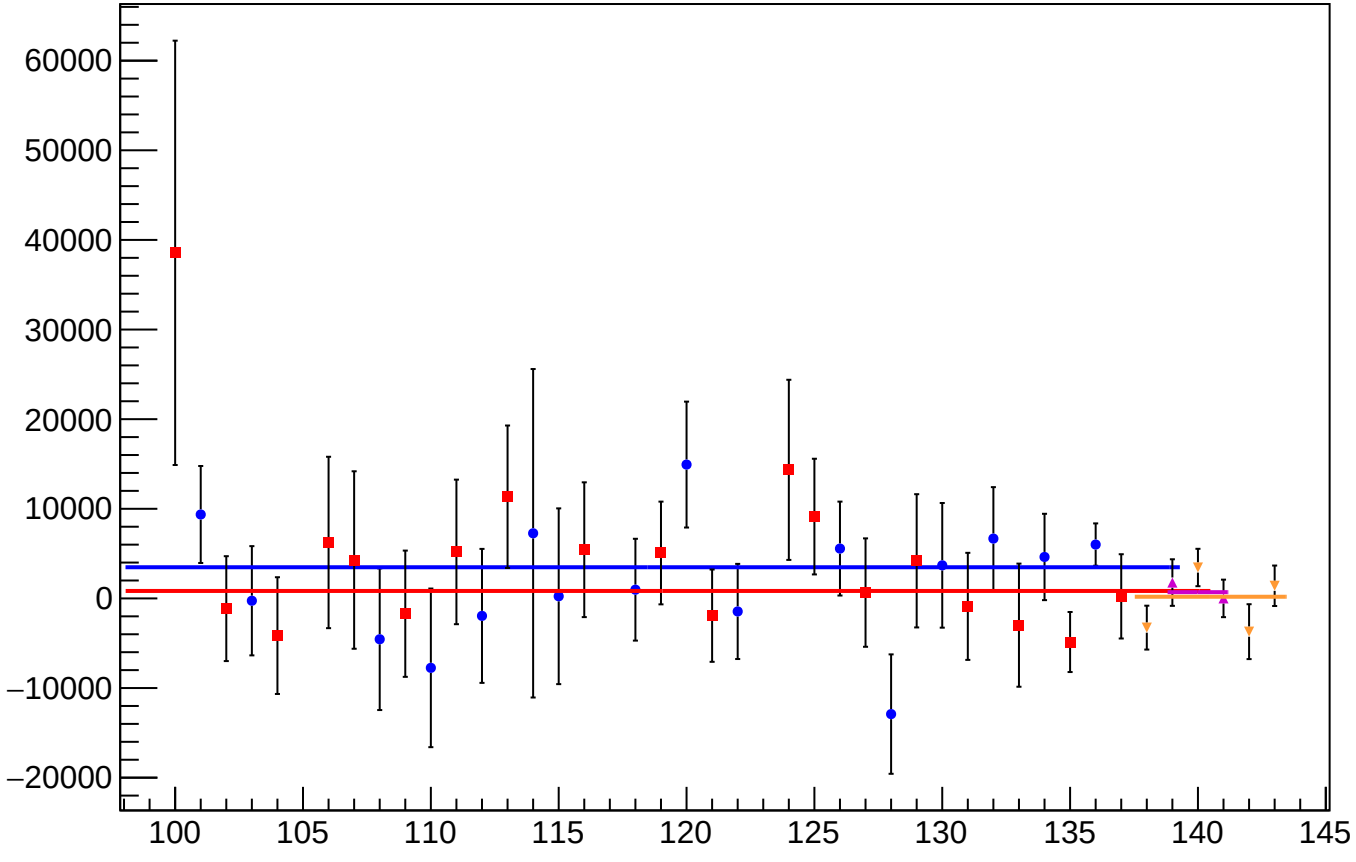
Left In: 2154.014+/-1.164 χ^2/NDF:30501.1/1

+ sign 2680.402+/-0.641 χ^2/NDF: 2650715.1/19

All: 2850.107+/-0.494 χ^2/NDF: 5179150.2/40

- sign 3096.394+/-0.773 χ^2/NDF: 2356832.8/20

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 186.542+/-1195.521 χ^2/NDF:6.3/3

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

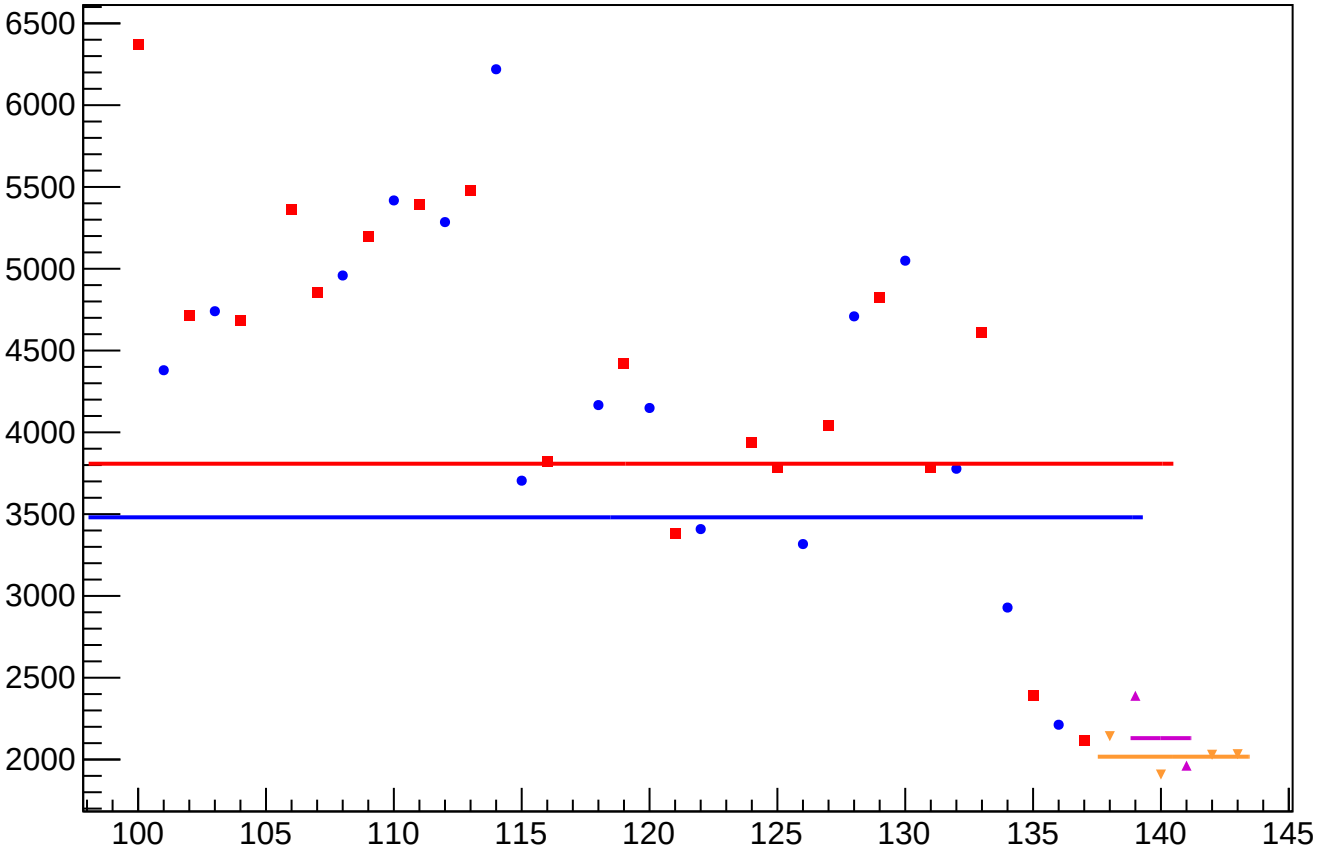
Left In: 696.941+/-1629.790 χ^2/NDF:0.3/1

+ sign 1621.038+/-898.015 χ^2/NDF: 26.0/19

All: 1275.453+/-691.324 χ^2/NDF: 40.6/40

- sign 772.670+/-1083.168 χ^2/NDF: 14.3/20

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2017.241+/-0.845 χ^2/NDF:10837.5/3

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

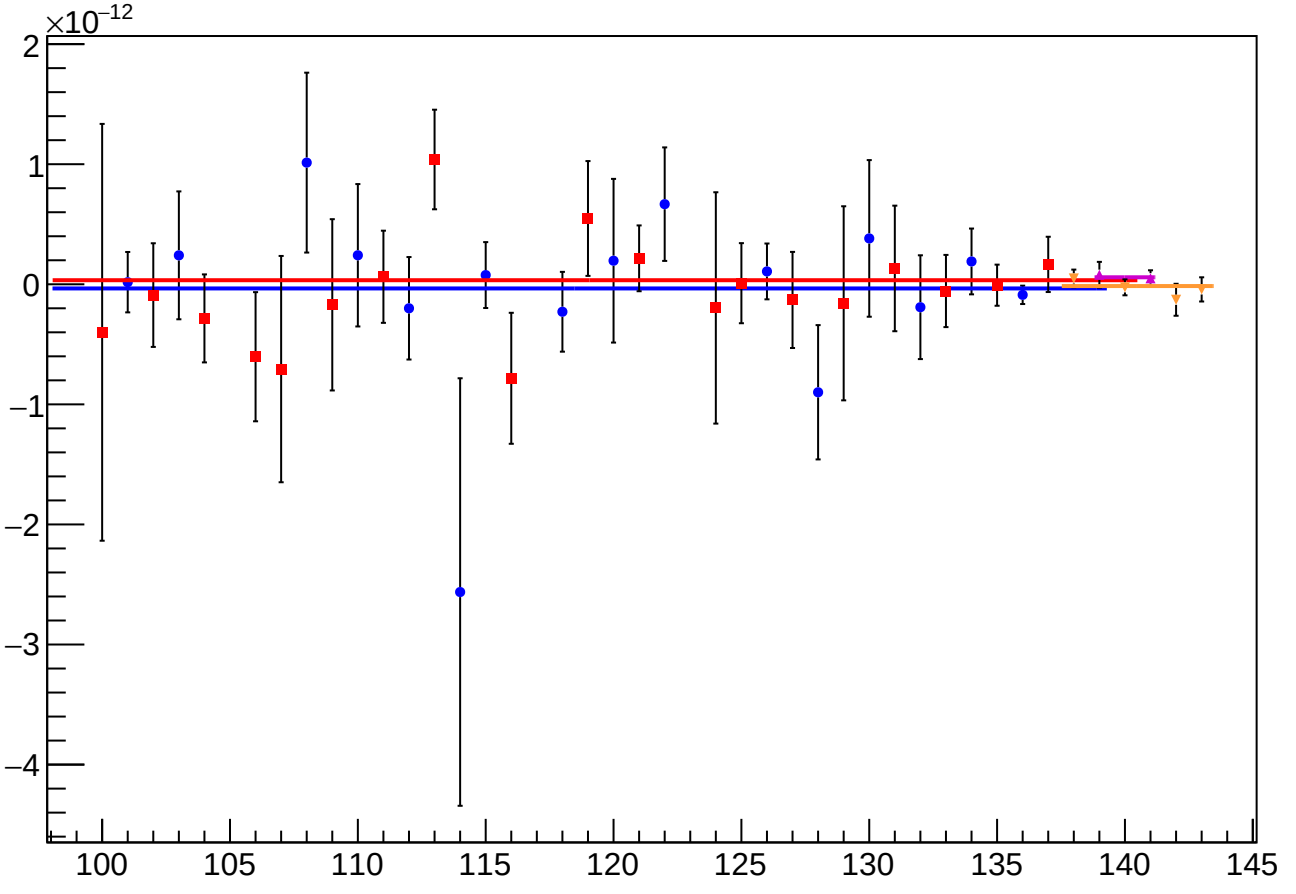
Left In: 2130.654+/-1.152 χ^2/NDF:32789.4/1

+ sign 2654.918+/-0.635 χ^2/NDF: 2613214.4/19

All: 2822.861+/-0.489 χ^2/NDF: 5148211.9/40

- sign 3067.198+/-0.766 χ^2/NDF: 2363278.2/20

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:1.6/3

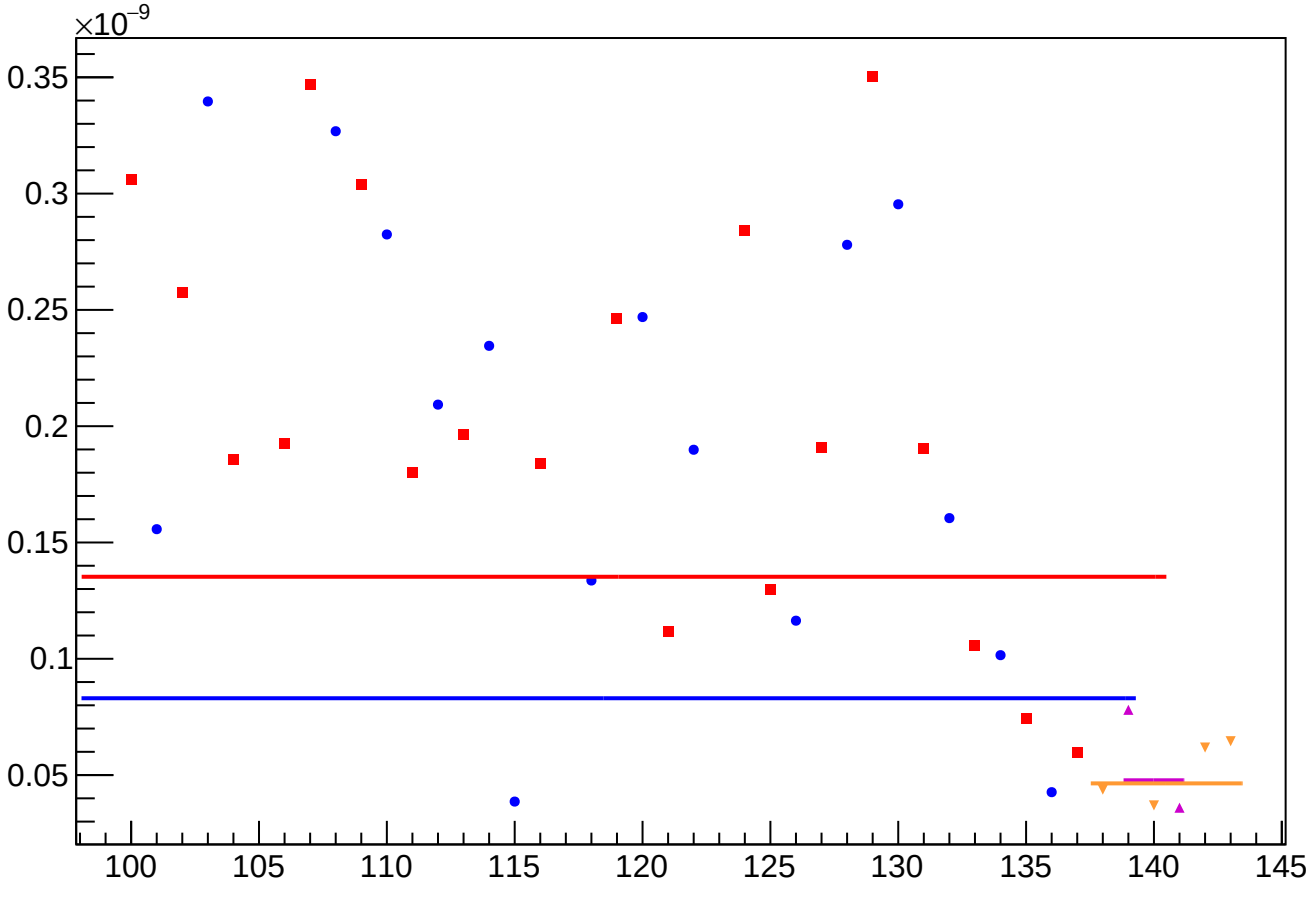
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 13.6/19

All: 0.000+/-0.000 χ^2/NDF: 28.7/40

- sign 0.000+/-0.000 χ^2/NDF: 13.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:135141.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

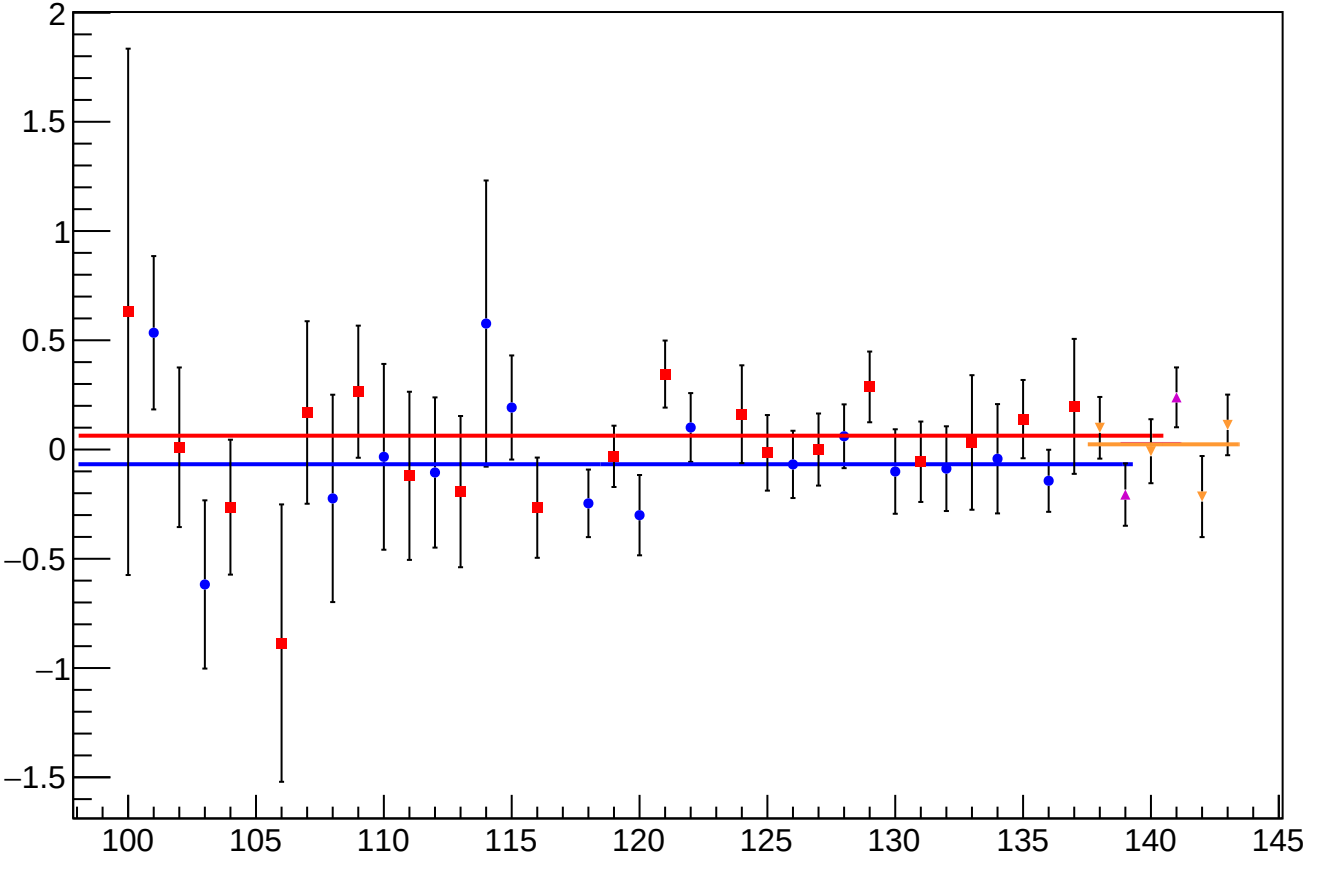
Left In: 0.000+/-0.000 χ^2/NDF:223047.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 3330572.7/19

All: 0.000+/-0.000 χ^2/NDF: 6585787.8/40

- sign 0.000+/-0.000 χ^2/NDF: 3097478.9/20

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

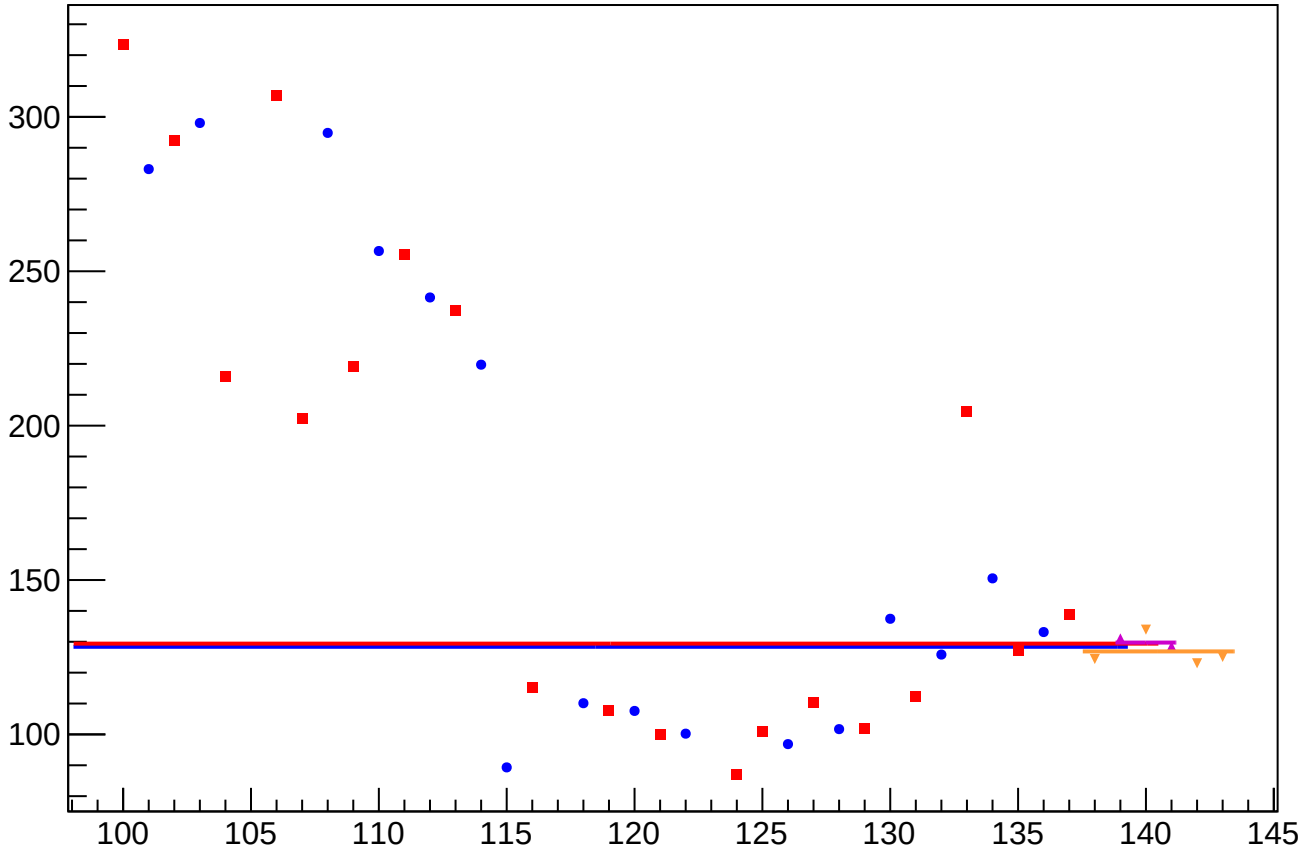
Left In: 0.025+/-0.099 χ^2/NDF:5.1/1

+ sign -0.038+/-0.043 χ^2/NDF: 15.9/19

All: 0.005+/-0.031 χ^2/NDF: 37.3/40

- sign 0.055+/-0.046 χ^2/NDF: 19.2/20

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 126.877+/-0.053 χ^2/NDF:6433.2/3

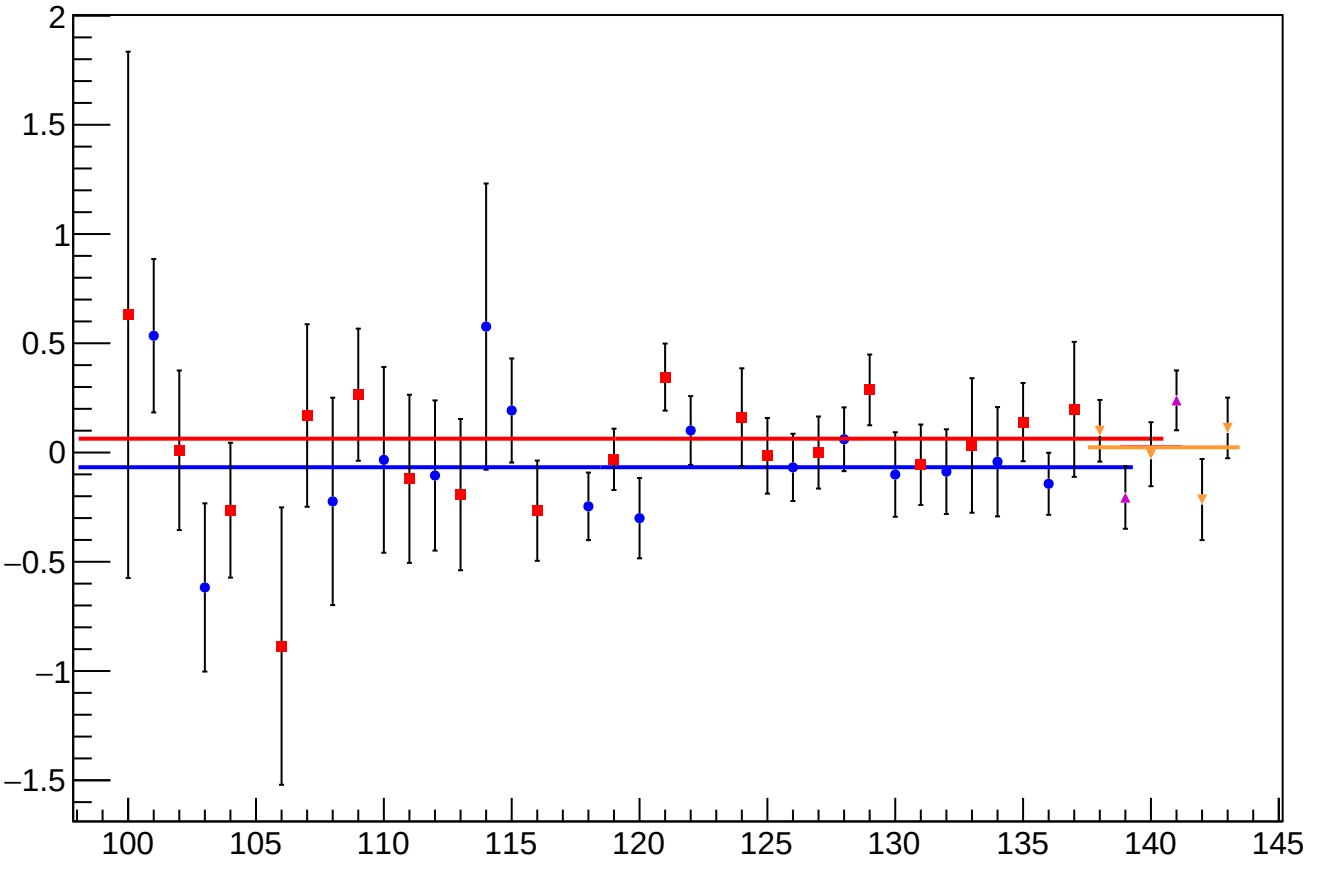
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.742+/-0.070 χ^2/NDF:344.5/1

+ sign 127.895+/-0.030 χ^2/NDF: 1812055.6/19

All: 128.627+/-0.022 χ^2/NDF: 3701964.5/40

- sign 129.473+/-0.032 χ^2/NDF: 1888635.1/20



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

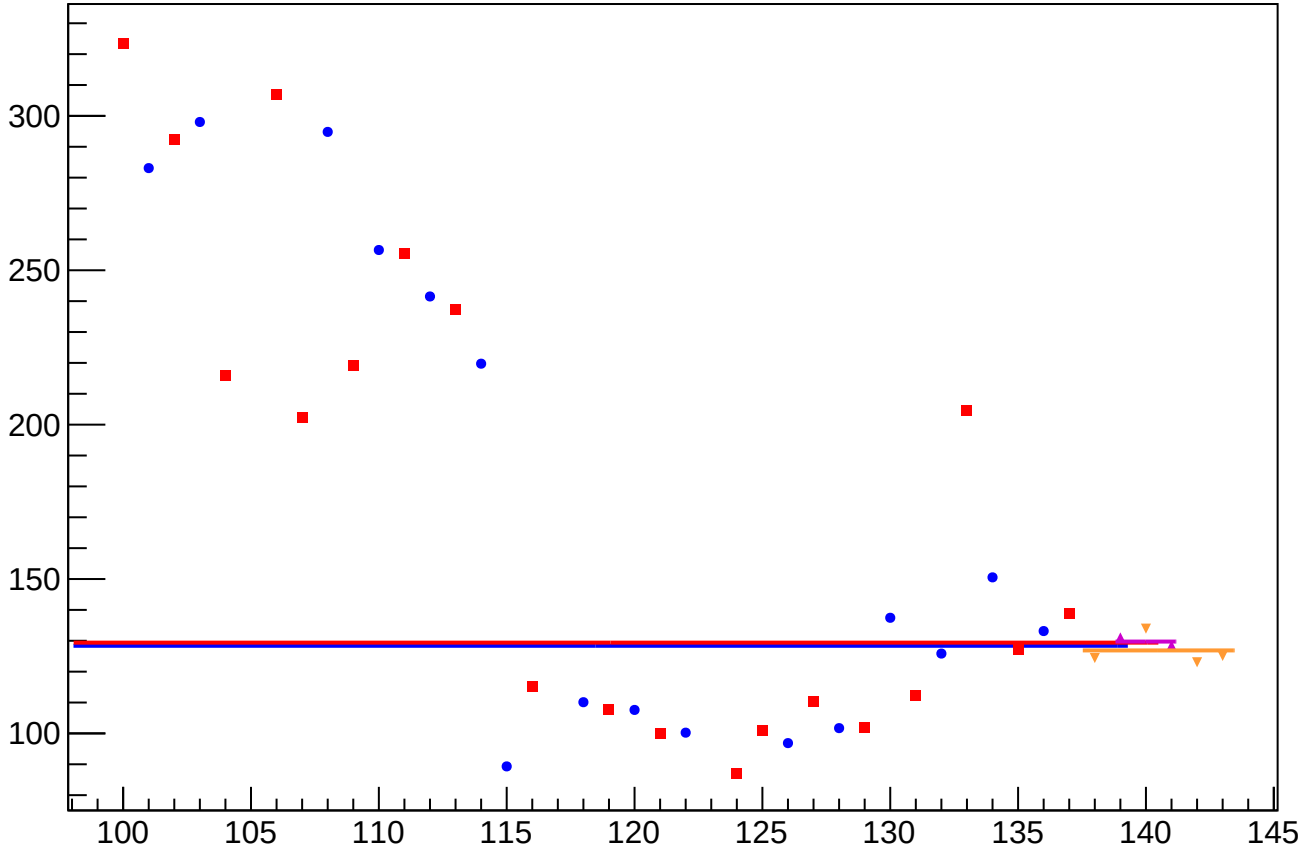
Left In: 0.025+/-0.099 χ^2/NDF:5.1/1

+ sign -0.038+/-0.043 χ^2/NDF: 15.9/19

All: 0.005+/-0.031 χ^2/NDF: 37.3/40

- sign 0.055+/-0.046 χ^2/NDF: 19.2/20

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 126.877+/-0.053 χ^2/NDF:6433.2/3

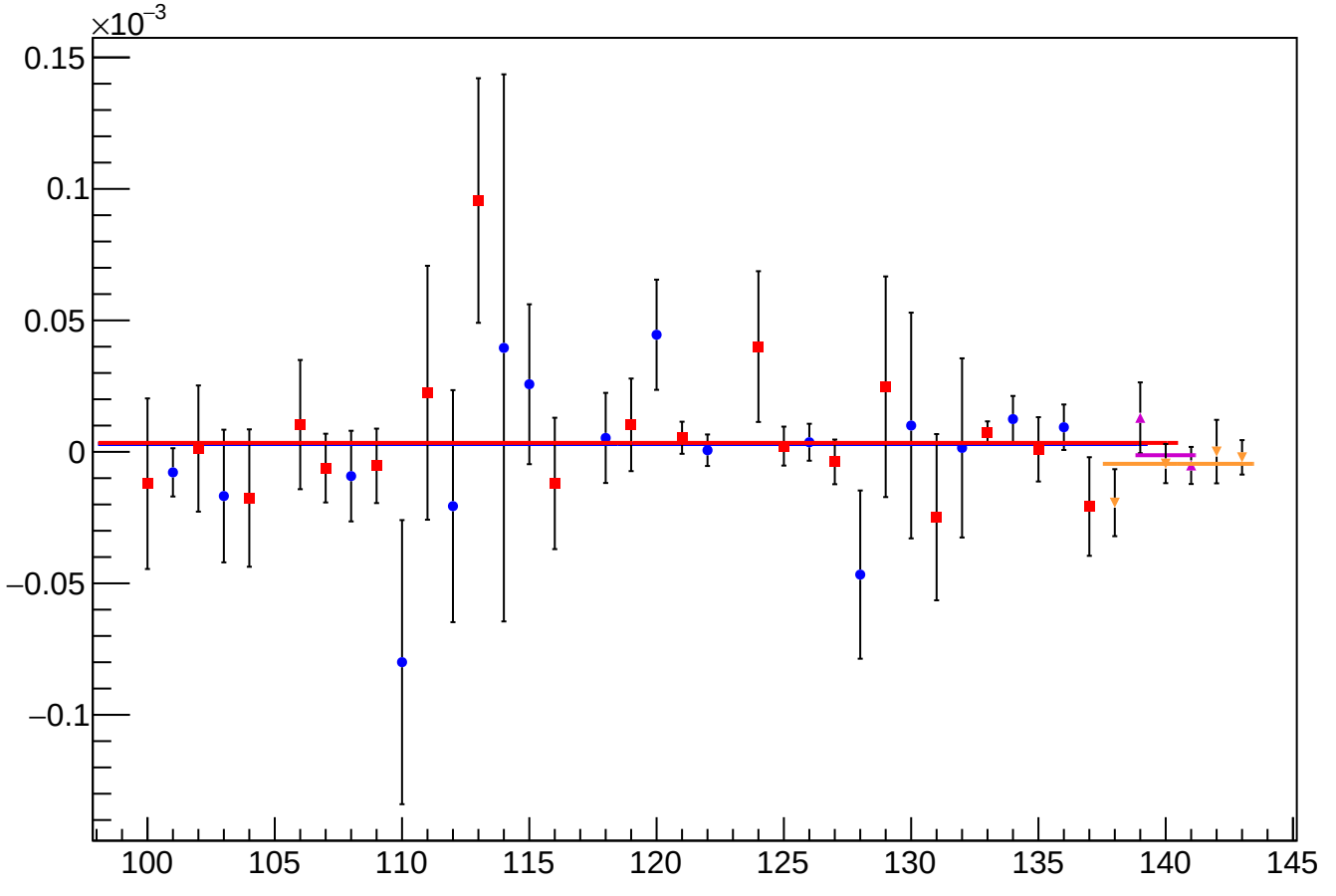
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.742+/-0.070 χ^2/NDF:344.5/1

+ sign 127.895+/-0.030 χ^2/NDF: 1812055.6/19

All: 128.627+/-0.022 χ^2/NDF: 3701964.5/40

- sign 129.473+/-0.032 χ^2/NDF: 1888635.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/3

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

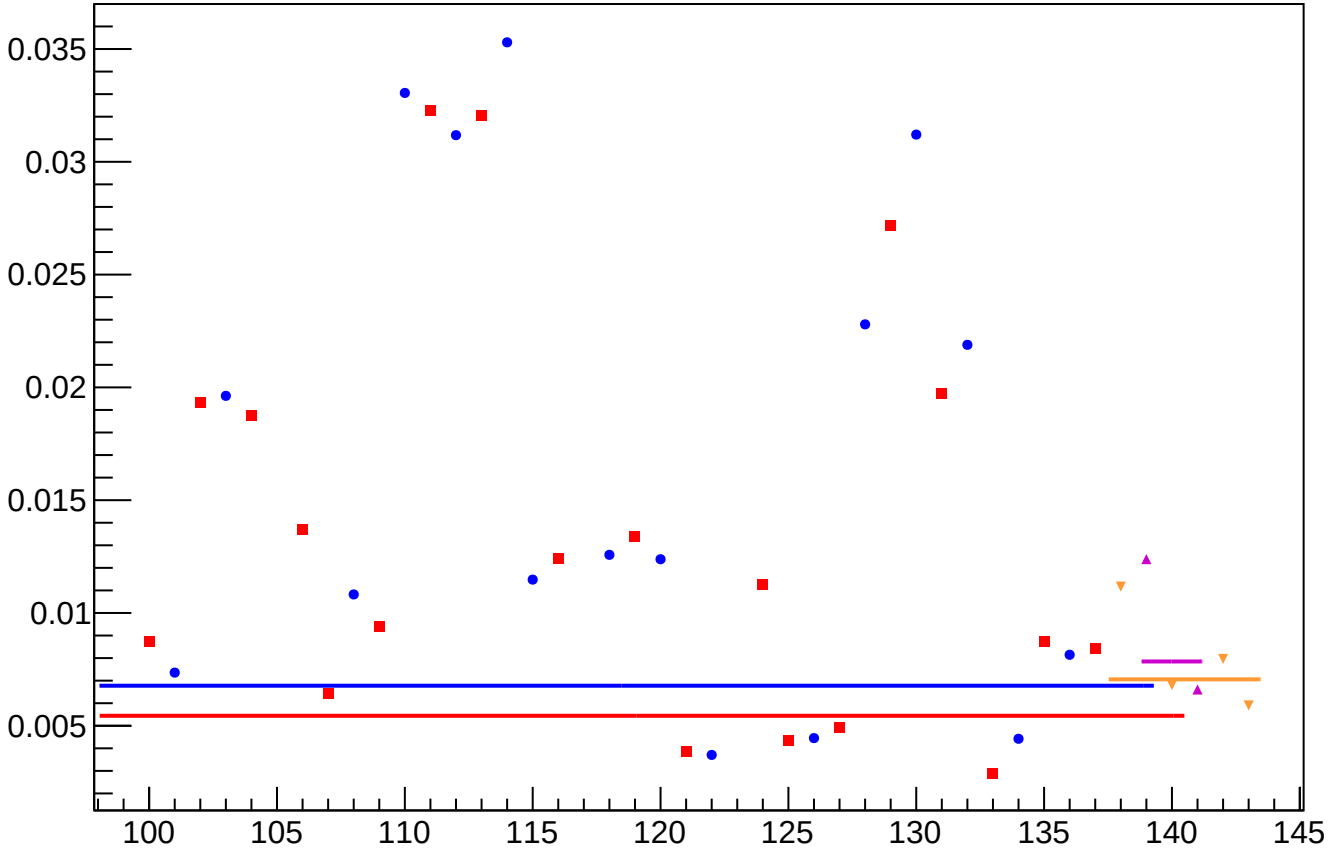
Left In: -0.000+/-0.000 χ^2/NDF:1.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/19

All: 0.000+/-0.000 χ^2/NDF: 32.7/40

- sign 0.000+/-0.000 χ^2/NDF: 14.5/20

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:284158.3/3

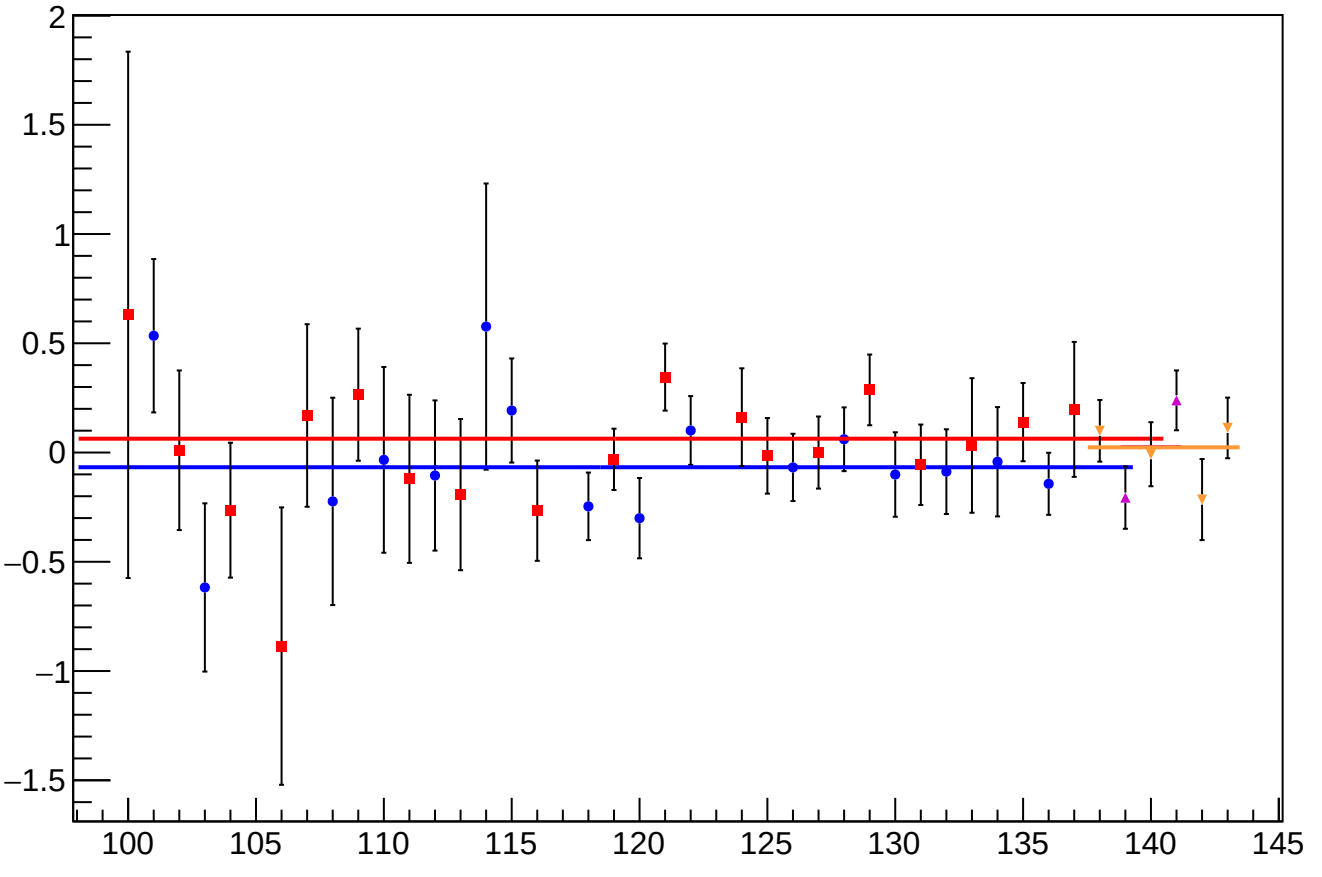
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:288973.5/1

+ sign 0.007+/-0.000 χ^2/NDF: 5062087.2/19

All: 0.006+/-0.000 χ^2/NDF: 11367469.2/40

- sign 0.006+/-0.000 χ^2/NDF: 6114664.8/20



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

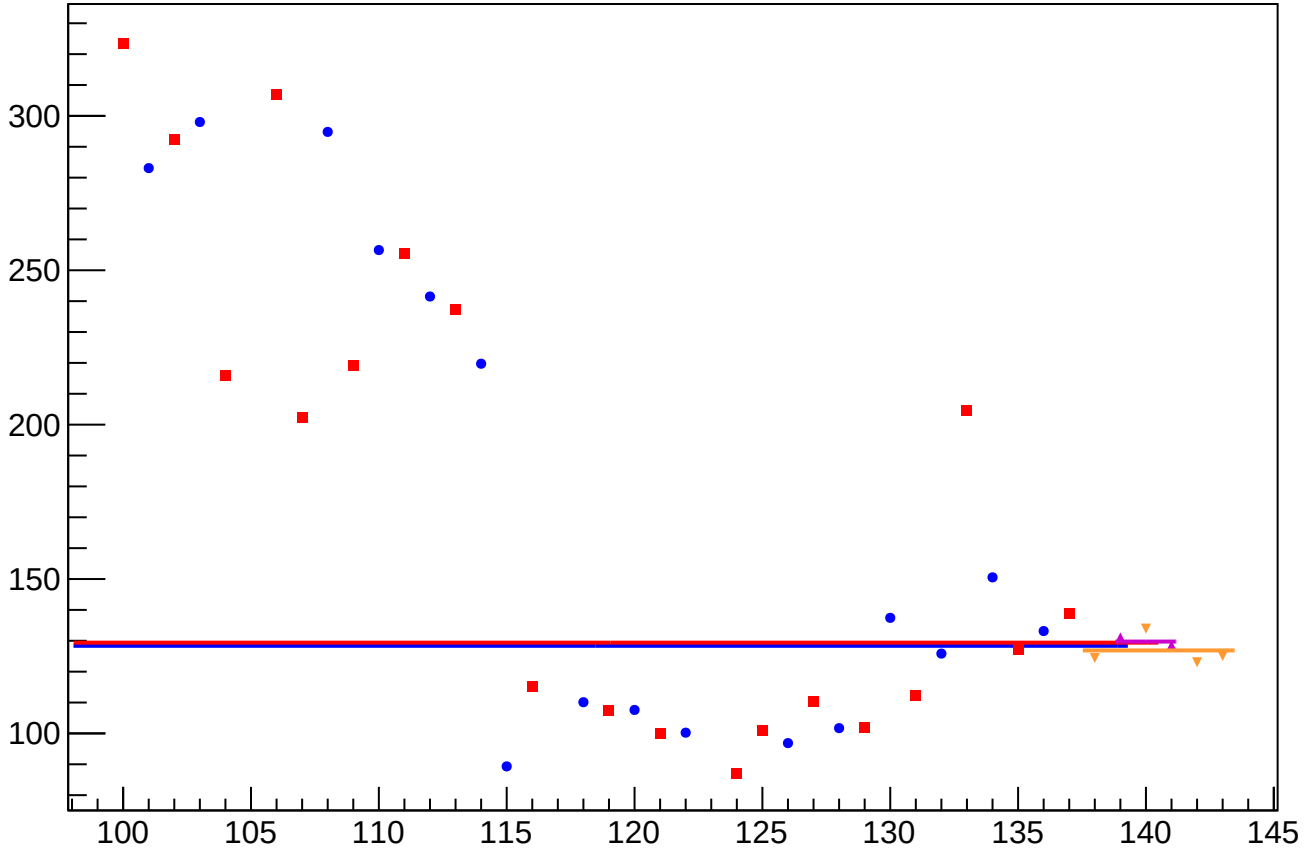
Left In: 0.025+/-0.099 χ^2/NDF:5.1/1

+ sign -0.038+/-0.043 χ^2/NDF: 15.9/19

All: 0.005+/-0.031 χ^2/NDF: 37.3/40

- sign 0.055+/-0.046 χ^2/NDF: 19.2/20

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 126.877+/-0.053 χ^2/NDF:6434.4/3

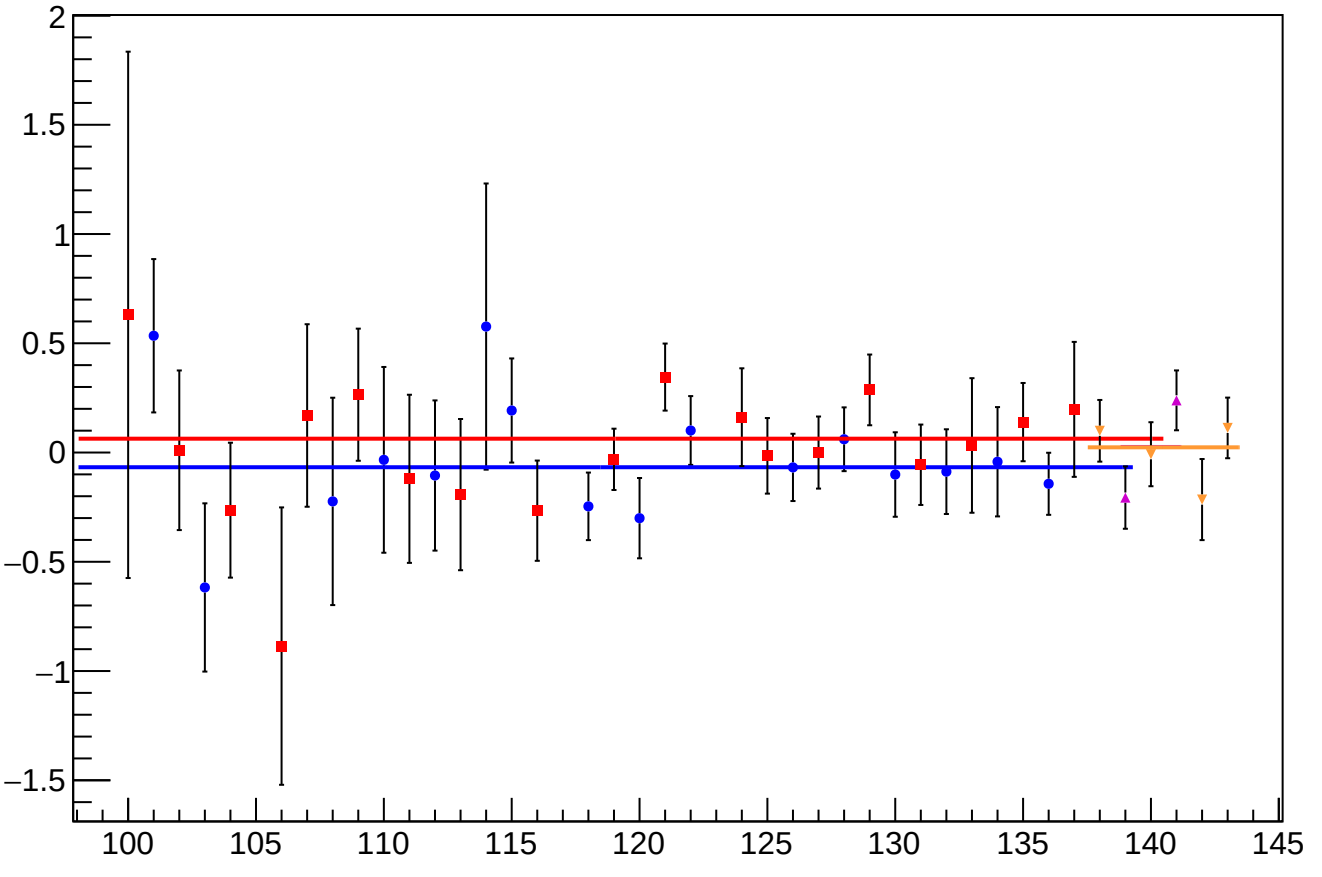
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 129.743+/-0.070 χ^2/NDF:344.0/1

+ sign 127.893+/-0.030 χ^2/NDF: 1812002.9/19

All: 128.625+/-0.022 χ^2/NDF: 3701912.3/40

- sign 129.470+/-0.032 χ^2/NDF: 1888636.1/20



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

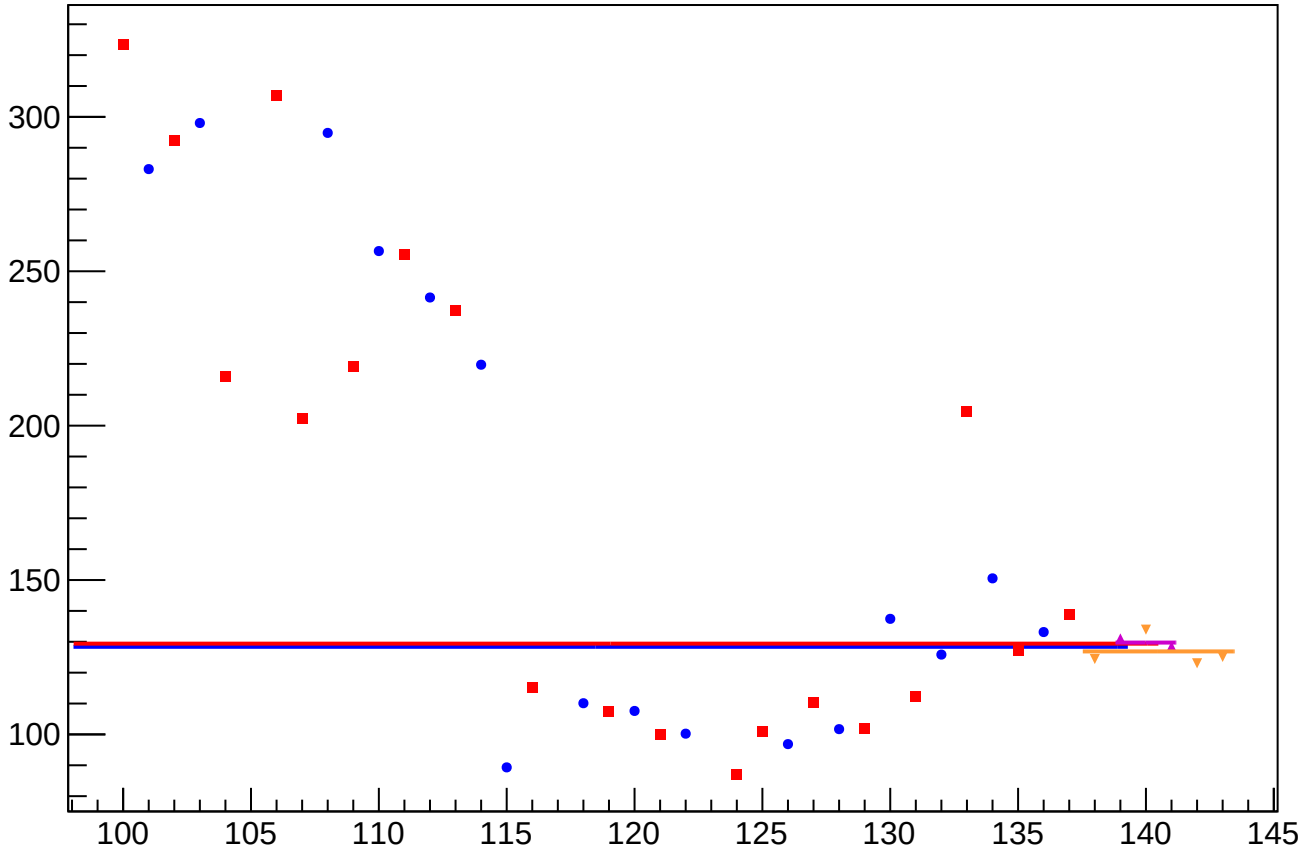
Left In: 0.025+/-0.099 χ^2/NDF:5.1/1

+ sign -0.038+/-0.043 χ^2/NDF: 15.9/19

All: 0.005+/-0.031 χ^2/NDF: 37.3/40

- sign 0.055+/-0.046 χ^2/NDF: 19.2/20

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 126.877+/-0.053 χ^2/NDF:6434.4/3

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

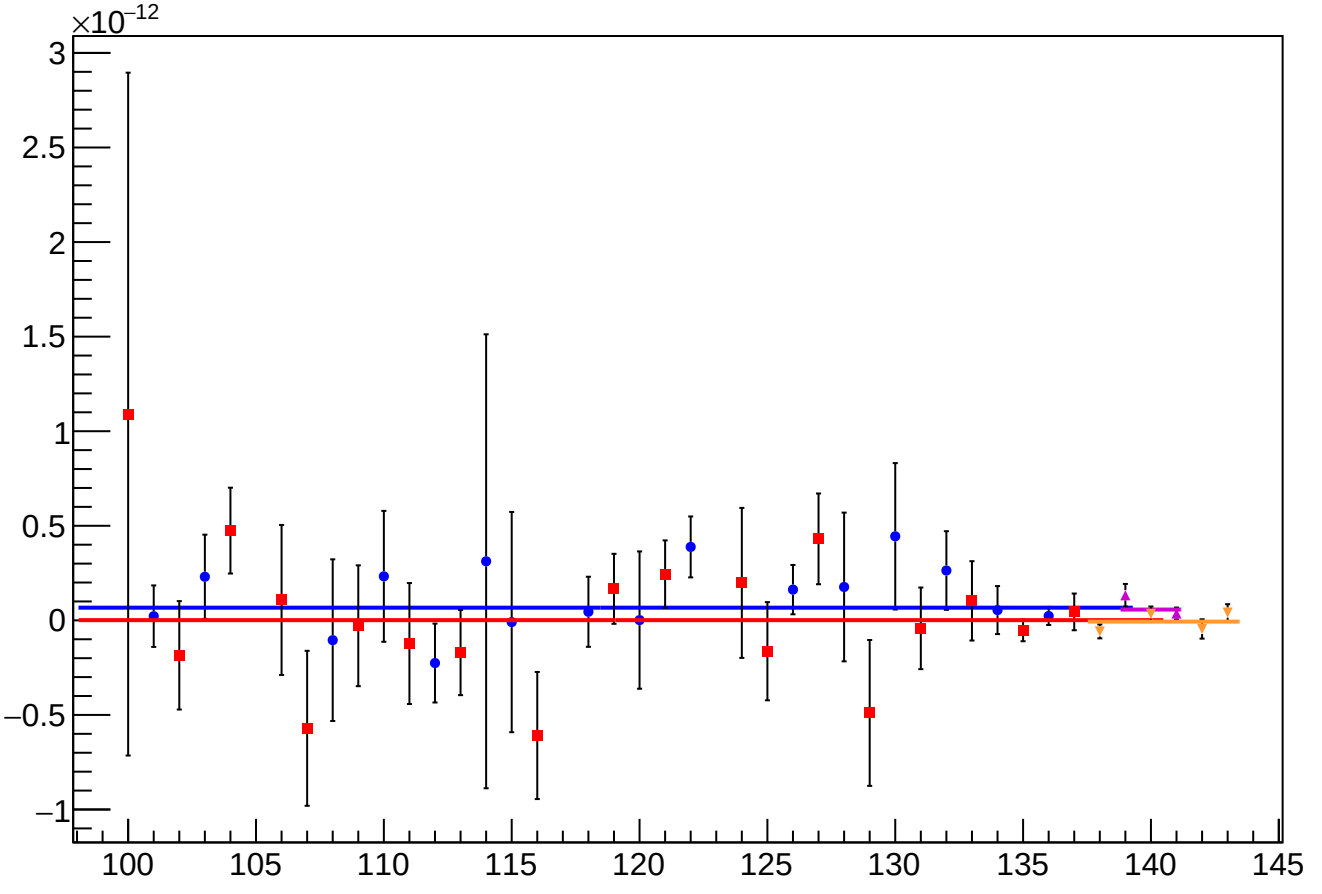
Left In: 129.743+/-0.070 χ^2/NDF:344.0/1

+ sign 127.893+/-0.030 χ^2/NDF: 1812002.9/19

All: 128.625+/-0.022 χ^2/NDF: 3701912.3/40

- sign 129.470+/-0.032 χ^2/NDF: 1888636.1/20

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:4.9/3

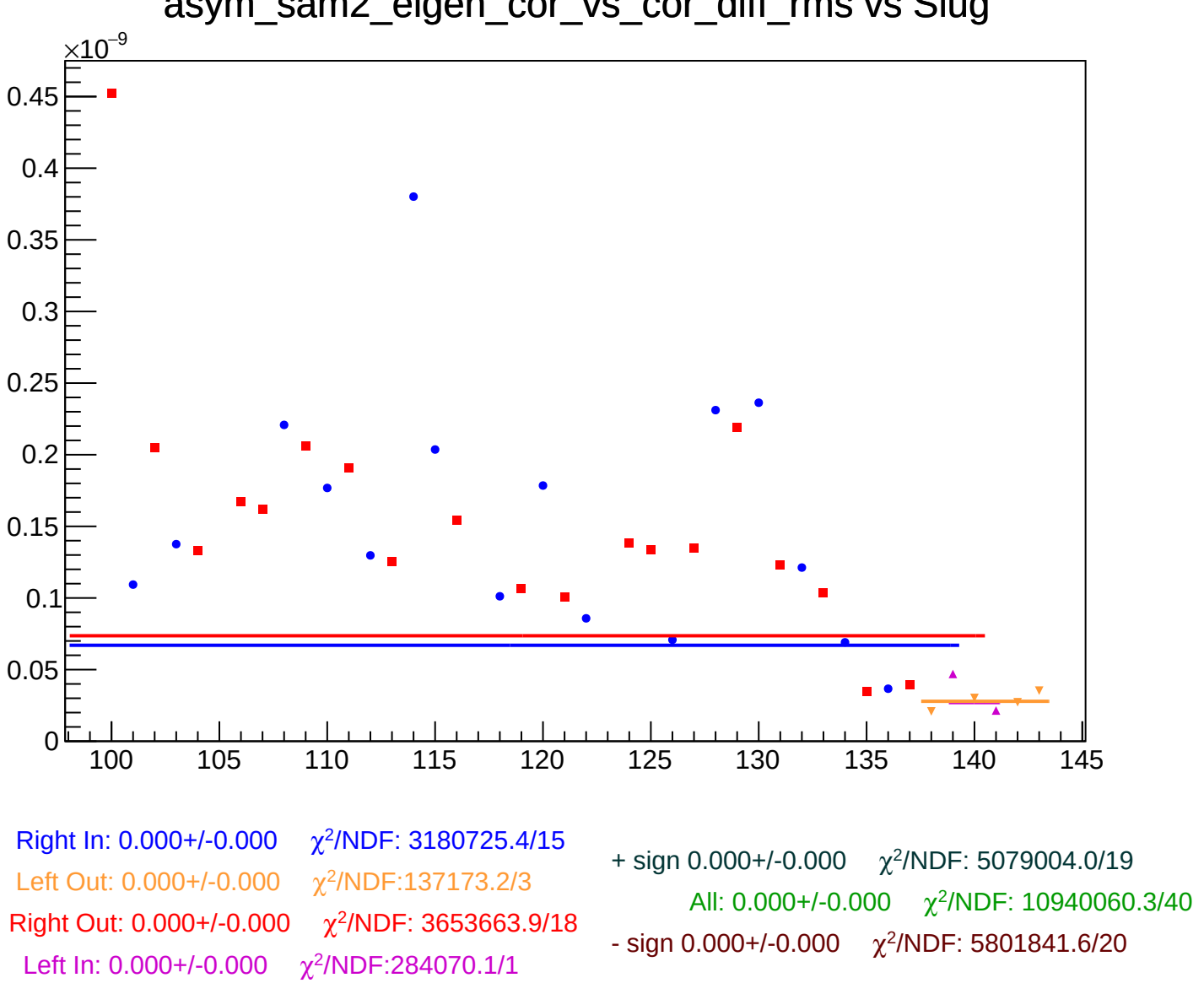
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/1

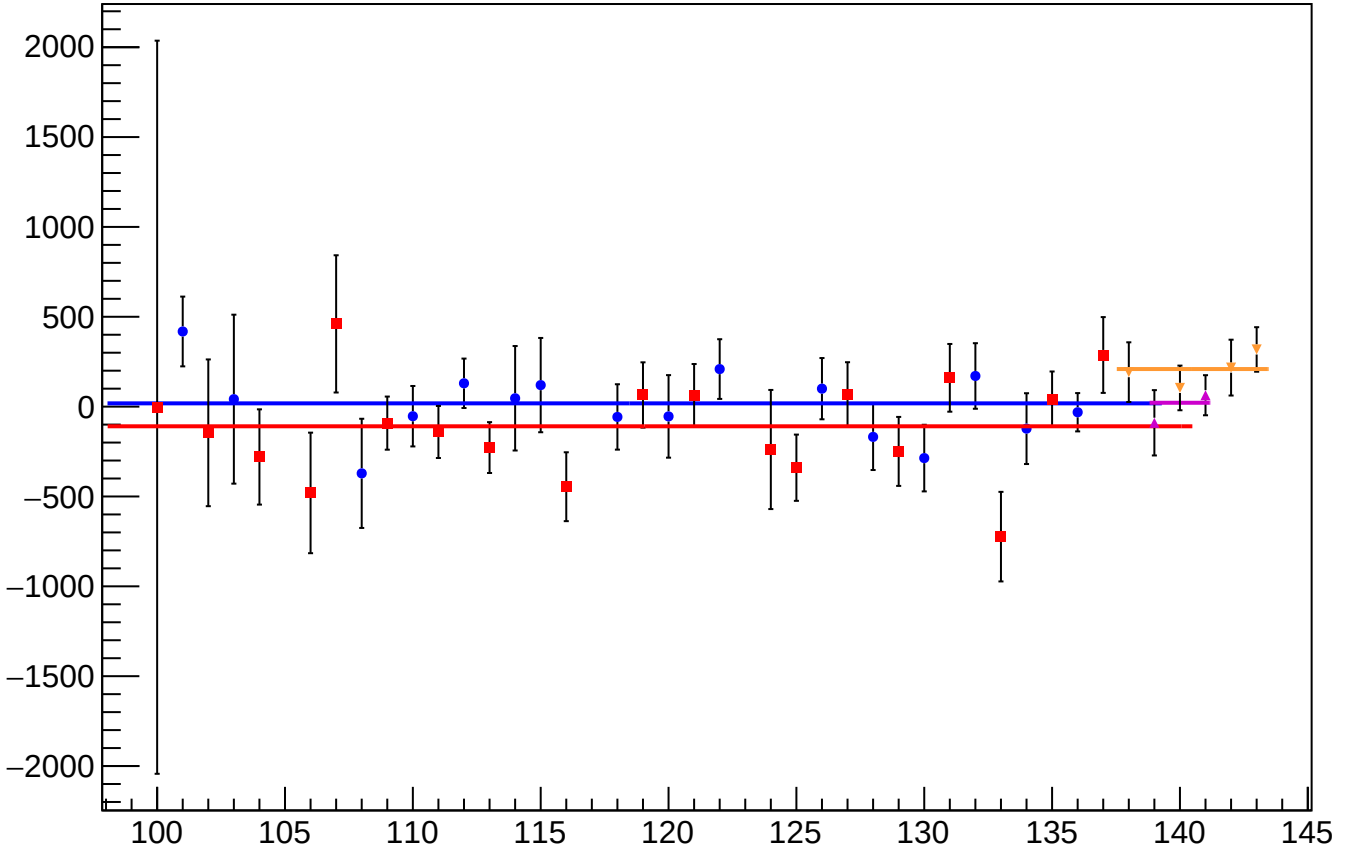
+ sign 0.000+/-0.000 χ^2/NDF: 18.4/19

All: 0.000+/-0.000 χ^2/NDF: 43.2/40

- sign 0.000+/-0.000 χ^2/NDF: 24.0/20


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:137173.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:284070.1/1
+ sign 0.000+/-0.000 χ²/NDF: 5079004.0/19
All: 0.000+/-0.000 χ²/NDF: 10940060.3/40
- sign 0.000+/-0.000 χ²/NDF: 5801841.6/20

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.140+/-69.383 χ^2/NDF:1.5/3

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

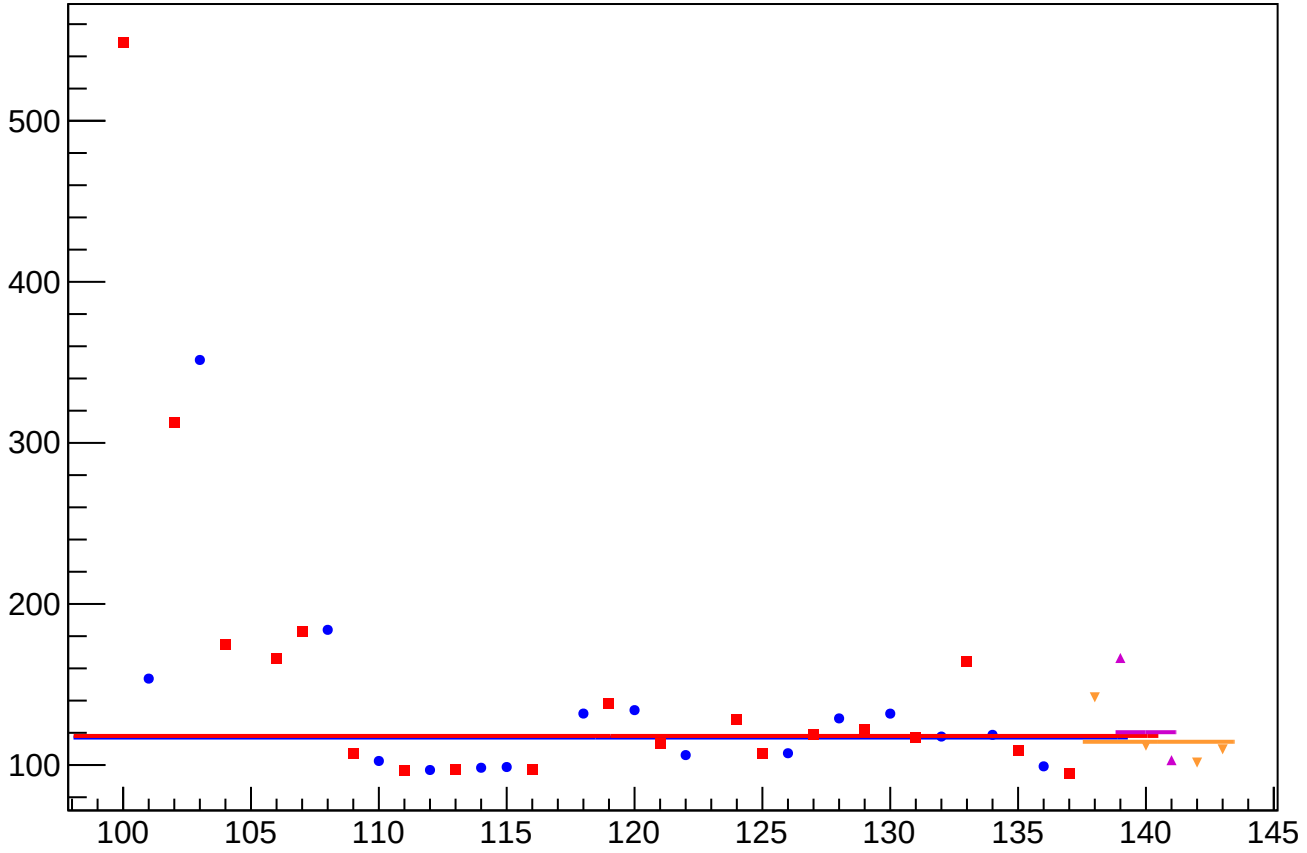
Left In: 21.460+/-95.059 χ^2/NDF:0.5/1

+ sign 75.983+/-38.167 χ^2/NDF: 20.6/19

All: 1.901+/-28.024 χ^2/NDF: 56.4/40

- sign -84.751+/-41.279 χ^2/NDF: 27.5/20

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

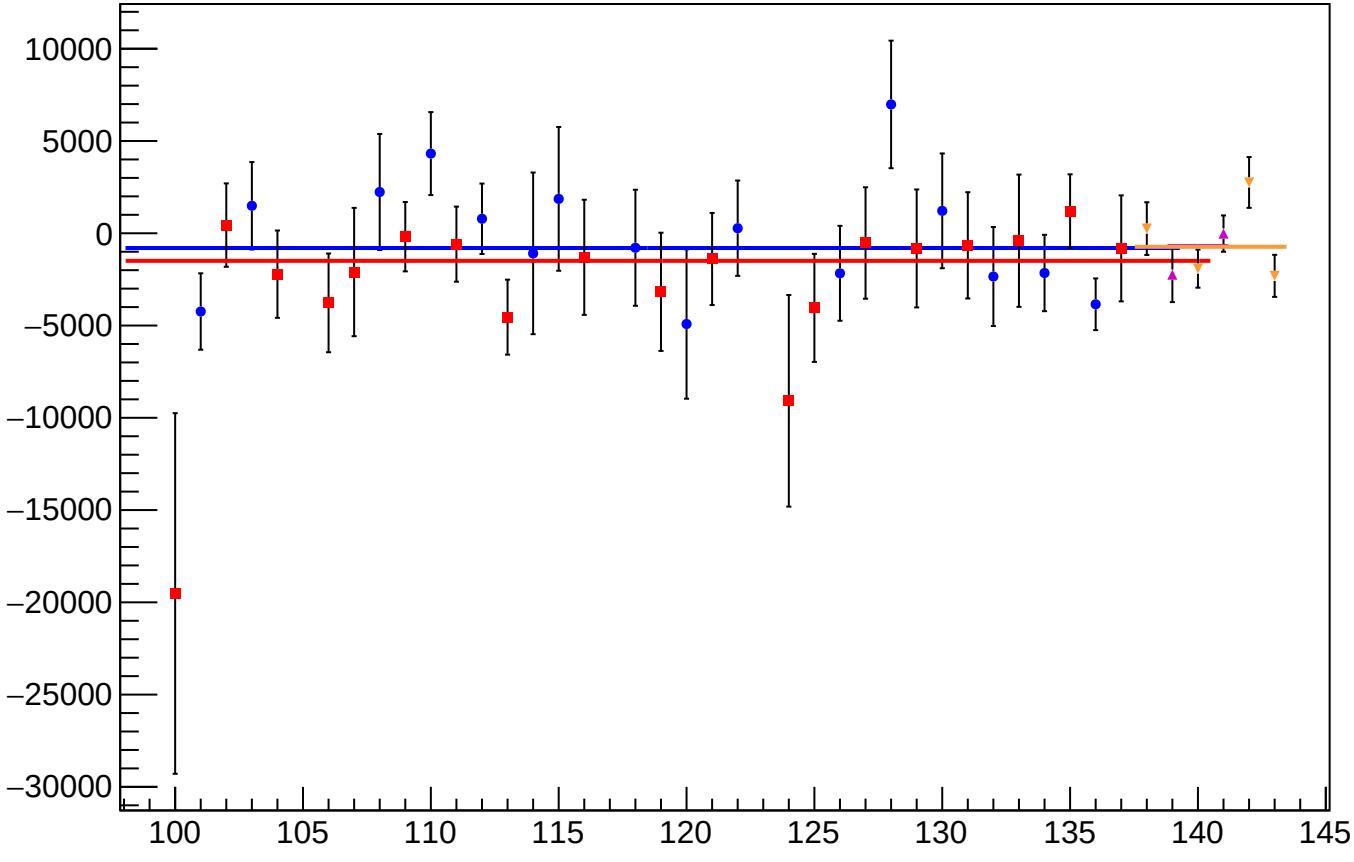
Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

+ sign 116.269+/-0.027 χ^2/NDF: 933058.9/19

All: 117.295+/-0.020 χ^2/NDF: 2104951.0/40

- sign 118.495+/-0.029 χ^2/NDF: 1168757.2/20

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -732.914+/-605.596 χ^2/NDF:10.1/3

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

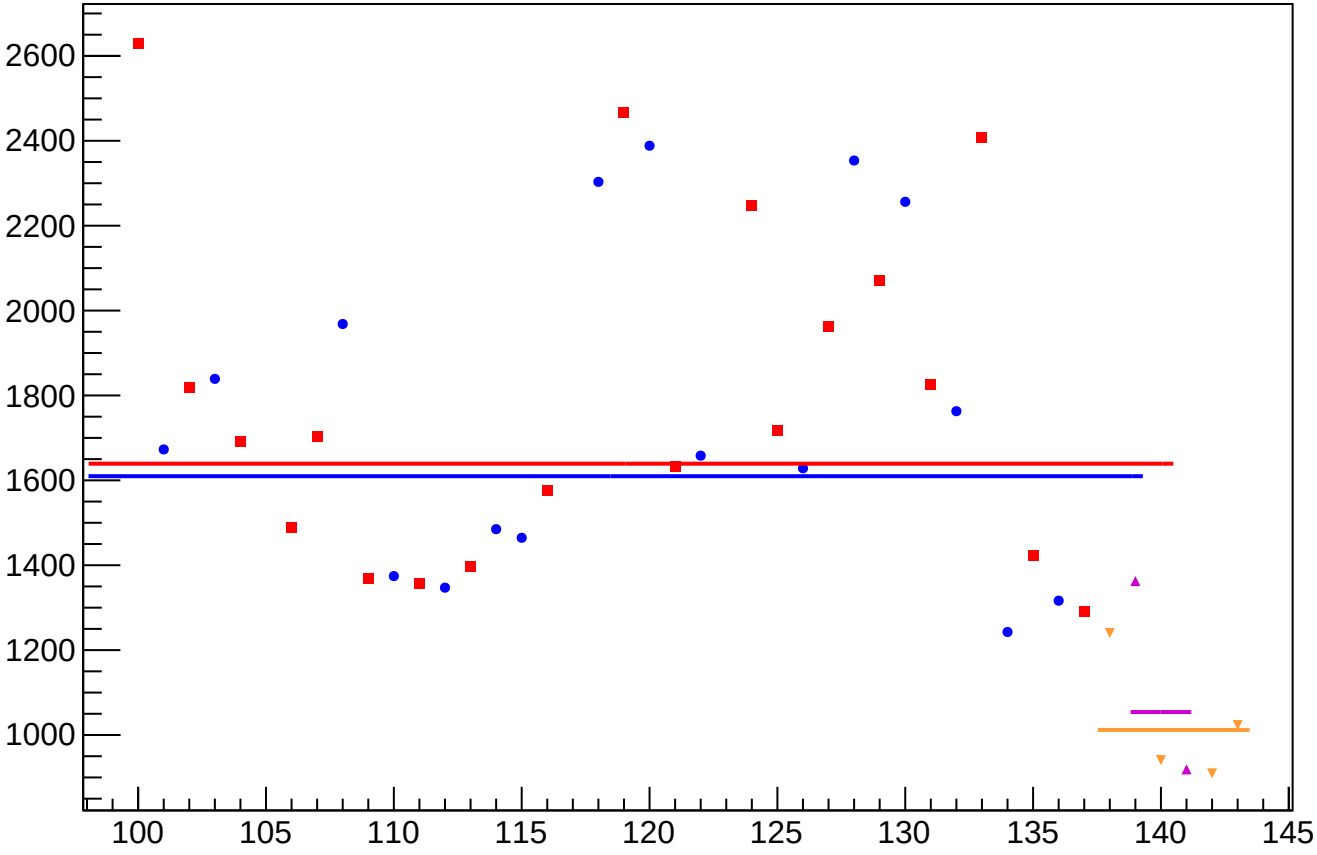
Left In: -695.237+/-820.342 χ^2/NDF:1.6/1

+ sign -765.459+/-431.856 χ^2/NDF: 33.6/19

All: -958.298+/-324.301 χ^2/NDF: 49.1/40

- sign -1207.672+/-491.097 χ^2/NDF: 15.1/20

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 1011.907+/-0.428 χ^2/NDF:71863.4/3

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

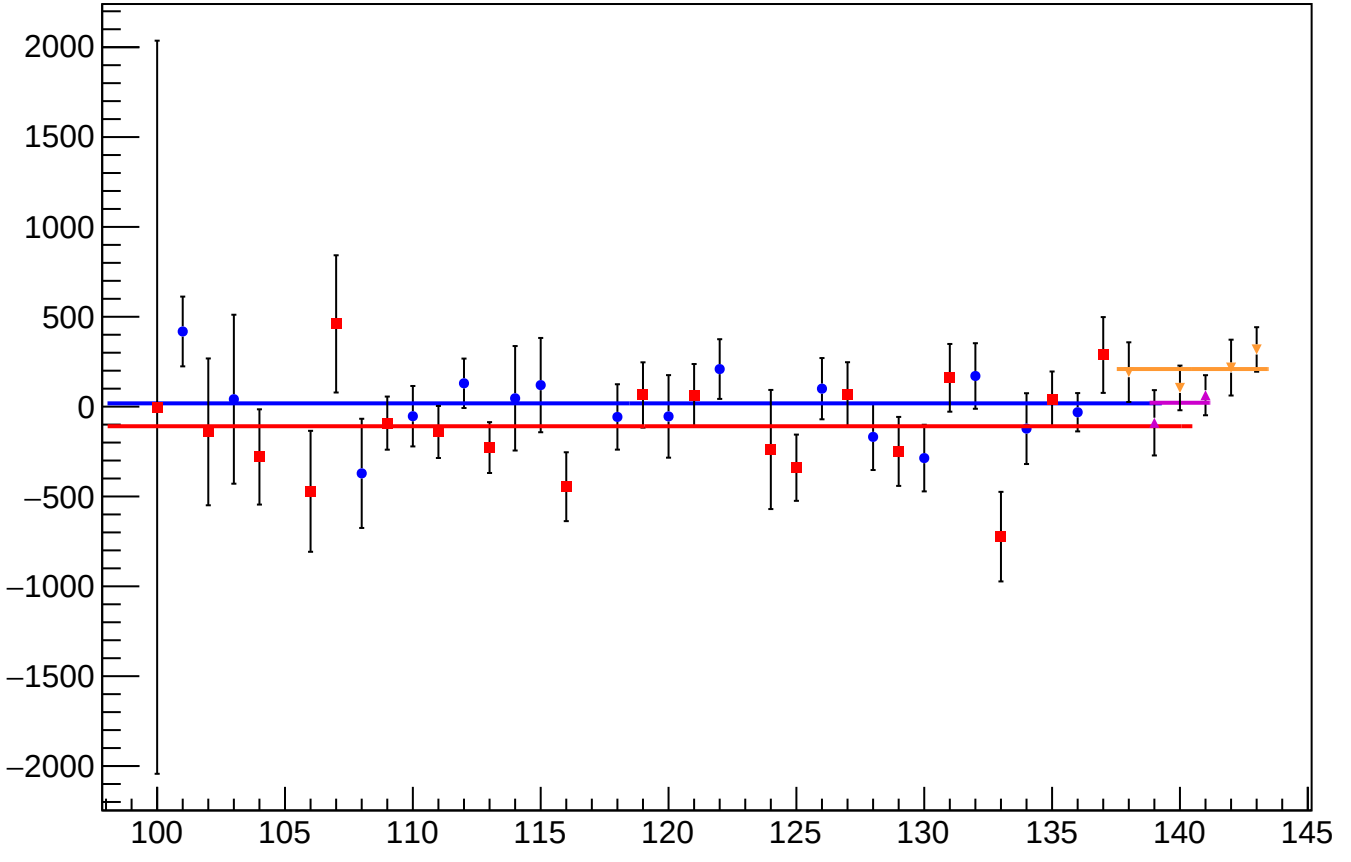
Left In: 1054.137+/-0.580 χ^2/NDF:123766.5/1

+ sign 1305.748+/-0.305 χ^2/NDF: 1649039.4/19

All: 1359.736+/-0.229 χ^2/NDF: 3017467.4/40

- sign 1429.551+/-0.347 χ^2/NDF: 1296752.1/20

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.148+/-69.383 χ^2/NDF:1.5/3

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

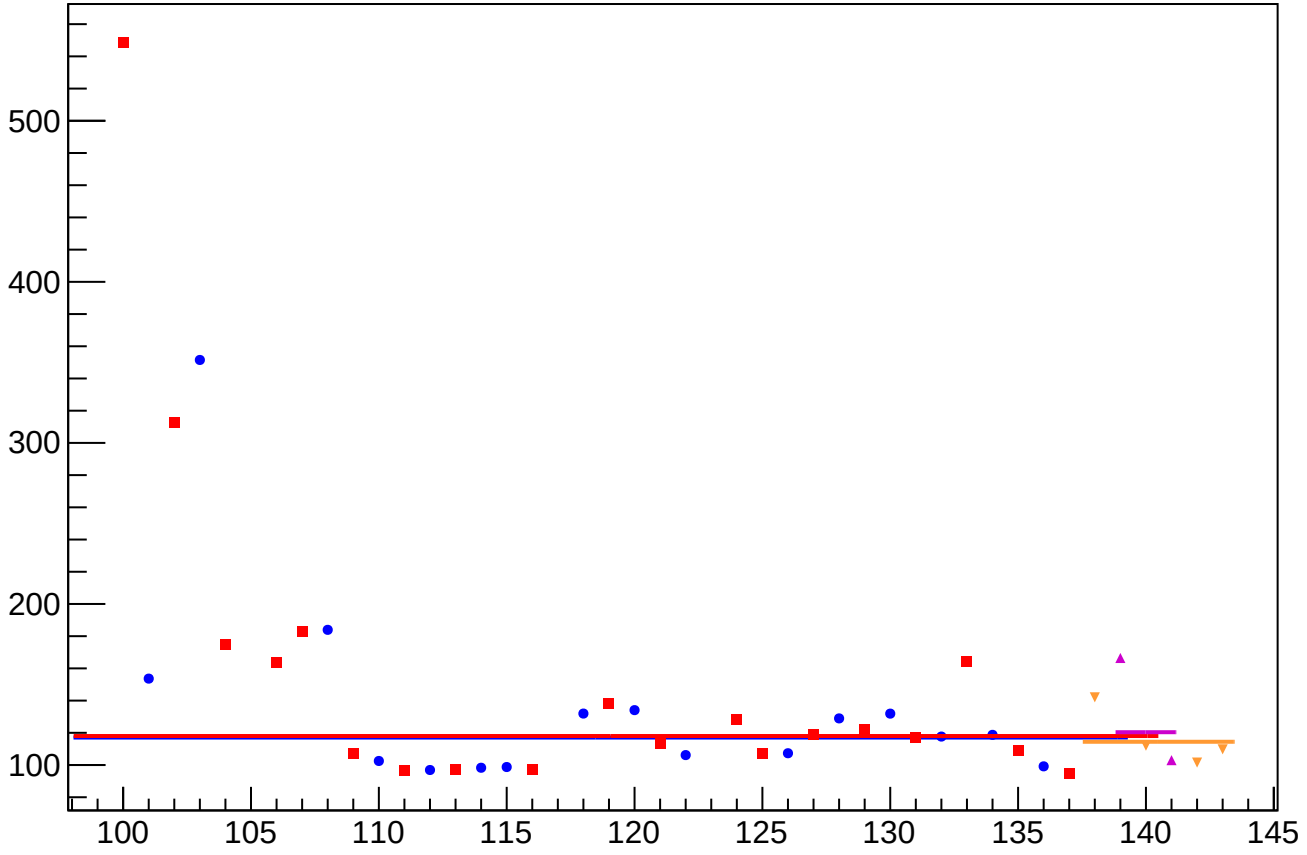
Left In: 21.461+/-95.059 χ^2/NDF:0.5/1

+ sign 75.976+/-38.167 χ^2/NDF: 20.6/19

All: 2.008+/-28.025 χ^2/NDF: 56.2/40

- sign -84.519+/-41.281 χ^2/NDF: 27.5/20

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

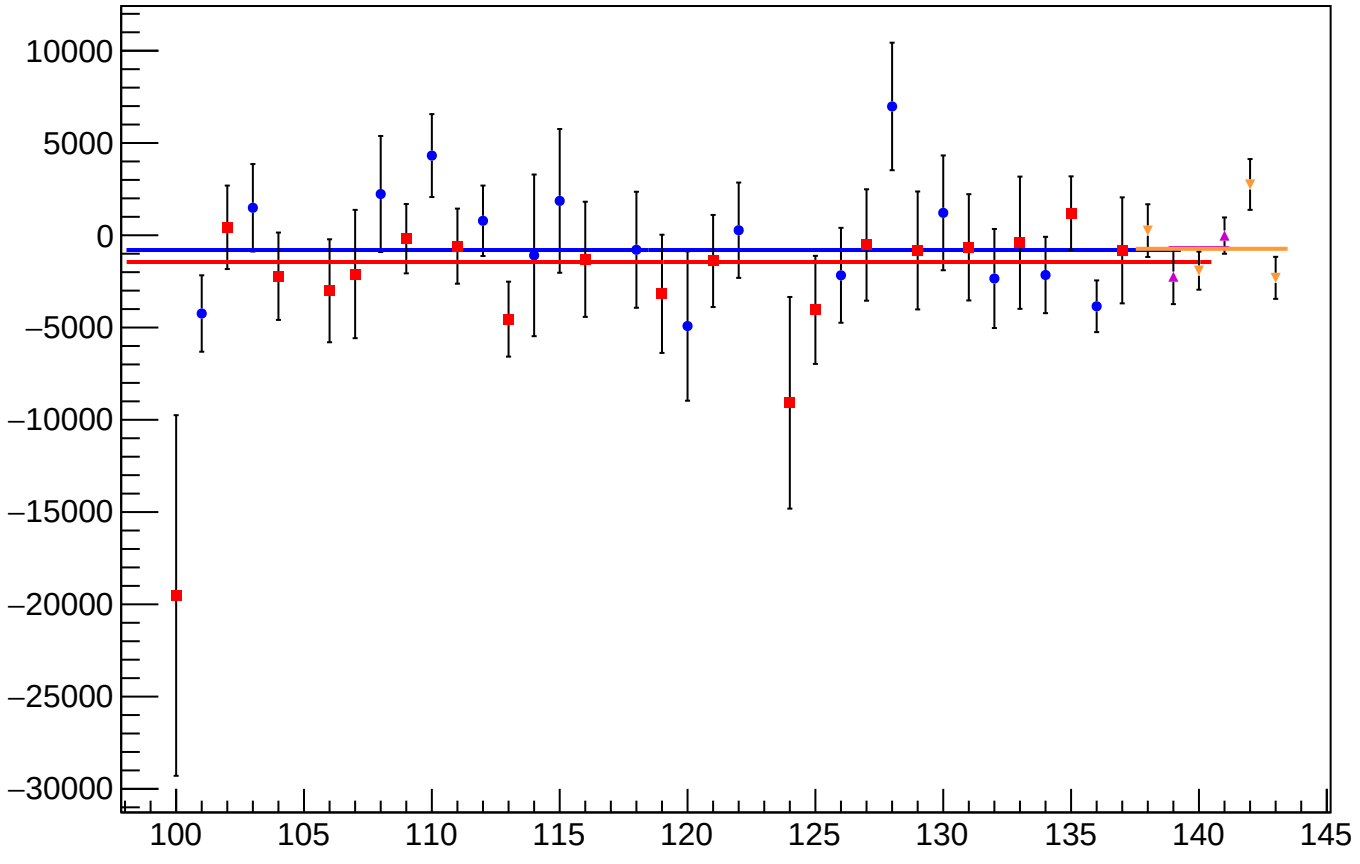
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

+ sign 116.269+/-0.027 χ^2/NDF: 933061.0/19

All: 117.275+/-0.020 χ^2/NDF: 2100685.2/40

- sign 118.453+/-0.029 χ^2/NDF: 1164606.6/20



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -732.895+/-605.596 χ^2/NDF:10.1/3

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

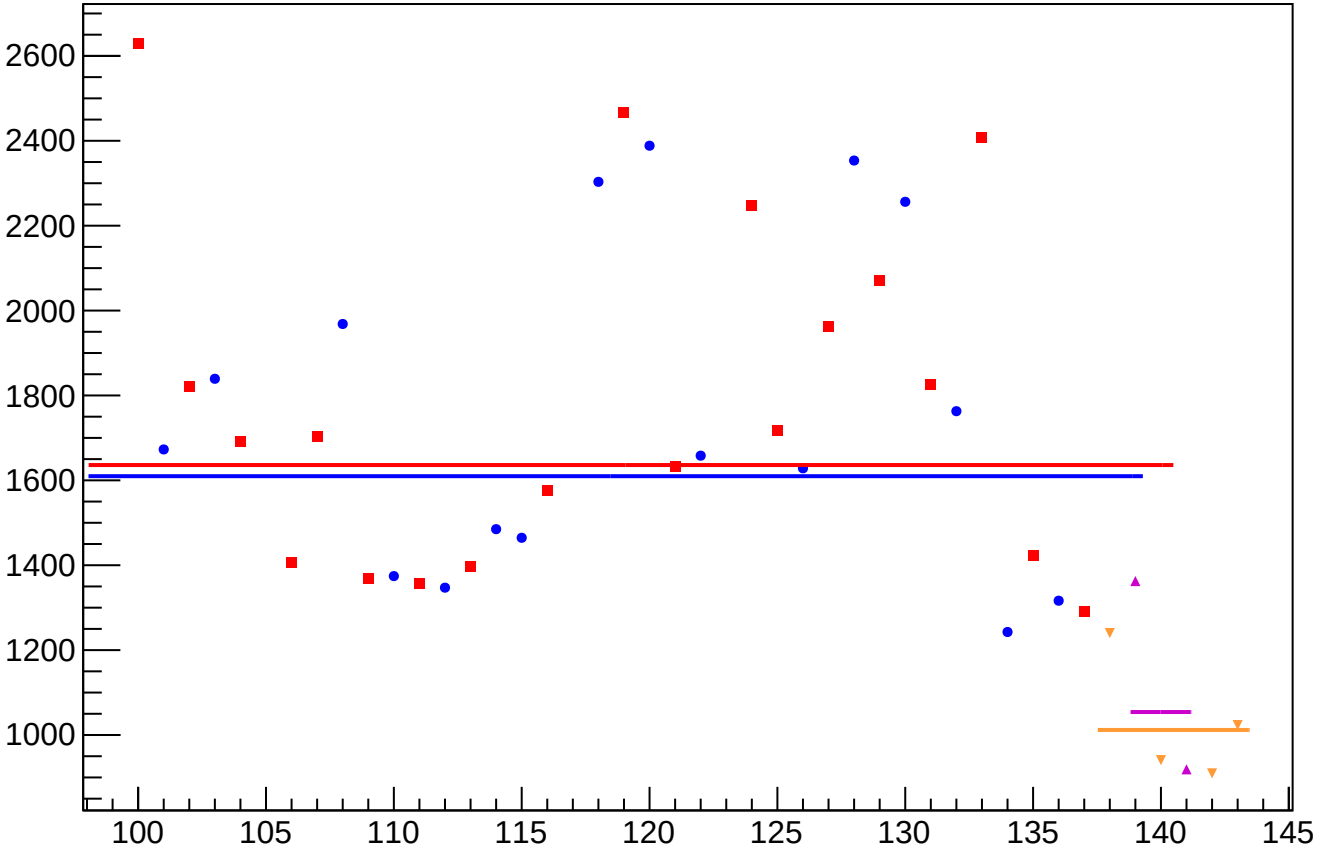
Left In: -695.246+/-820.343 χ^2/NDF:1.6/1

+ sign -765.441+/-431.857 χ^2/NDF: 33.6/19

All: -944.953+/-324.501 χ^2/NDF: 48.5/40

- sign -1177.745+/-491.789 χ^2/NDF: 14.6/20

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1011.906+/-0.428 χ^2/NDF:71863.9/3

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

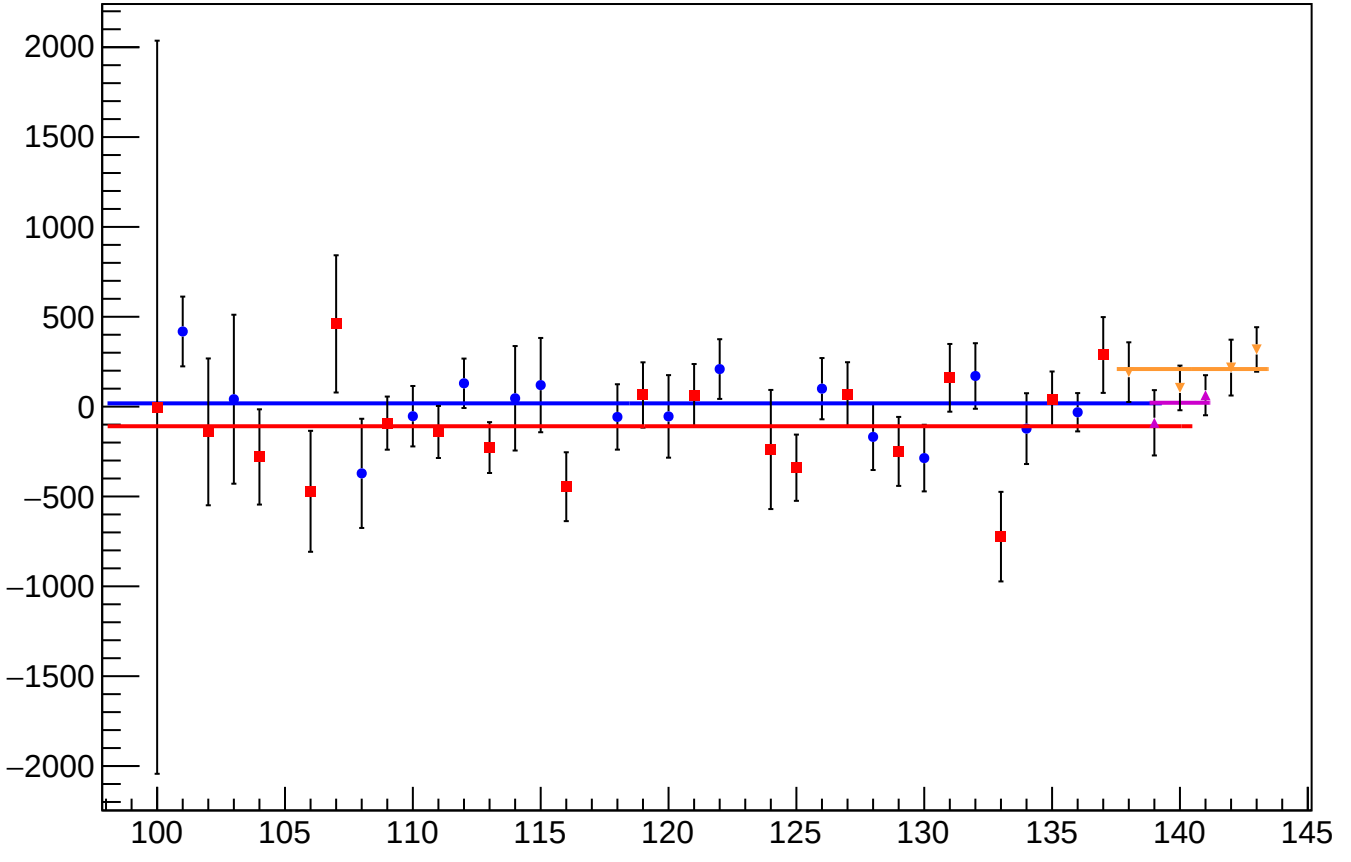
Left In: 1054.139+/-0.580 χ^2/NDF:123764.9/1

+ sign 1305.750+/-0.305 χ^2/NDF: 1649094.5/19

All: 1358.503+/-0.229 χ^2/NDF: 3013887.3/40

- sign 1426.914+/-0.348 χ^2/NDF: 1296248.2/20

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.148+/-69.383 χ^2/NDF:1.5/3

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

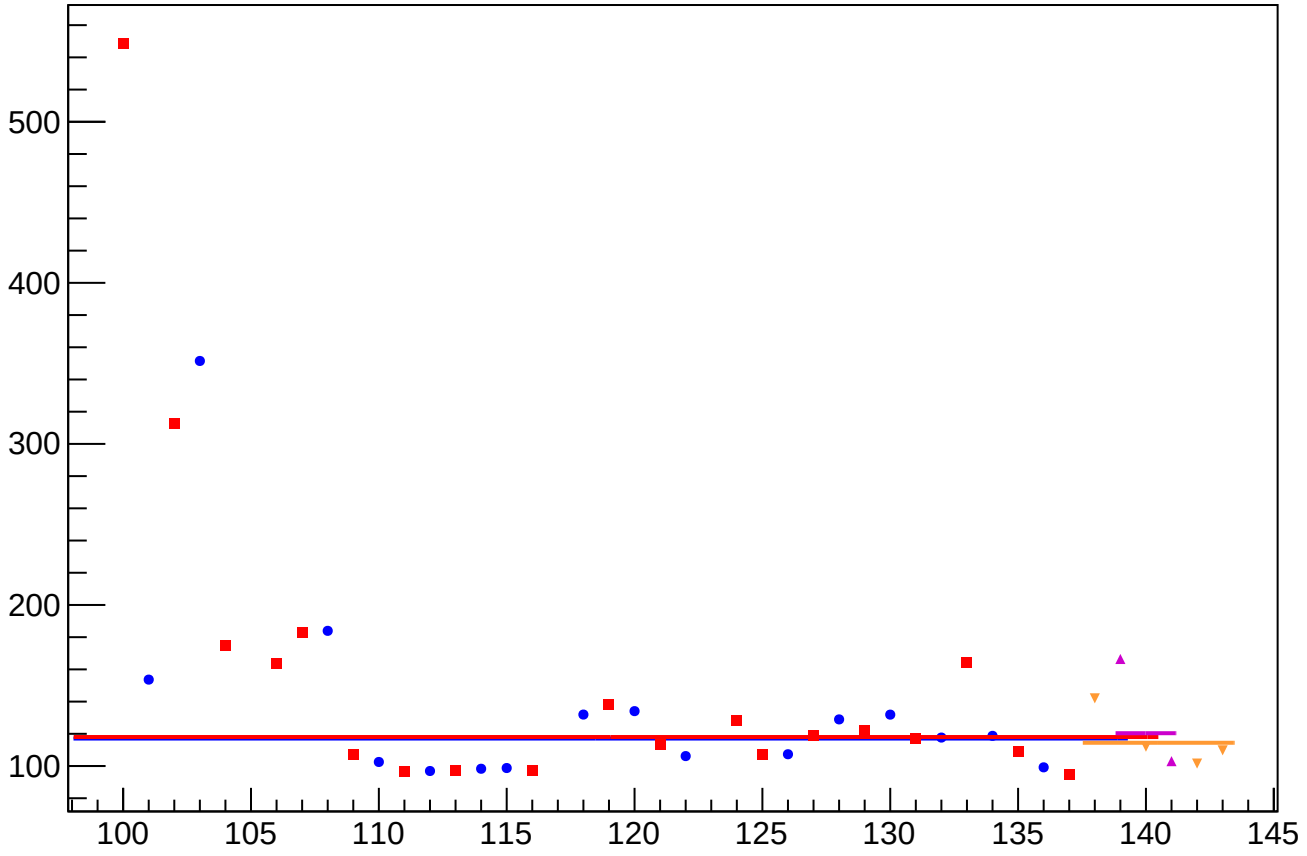
Left In: 21.461+/-95.059 χ^2/NDF:0.5/1

+ sign 75.976+/-38.167 χ^2/NDF: 20.6/19

All: 2.008+/-28.025 χ^2/NDF: 56.2/40

- sign -84.519+/-41.281 χ^2/NDF: 27.5/20

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

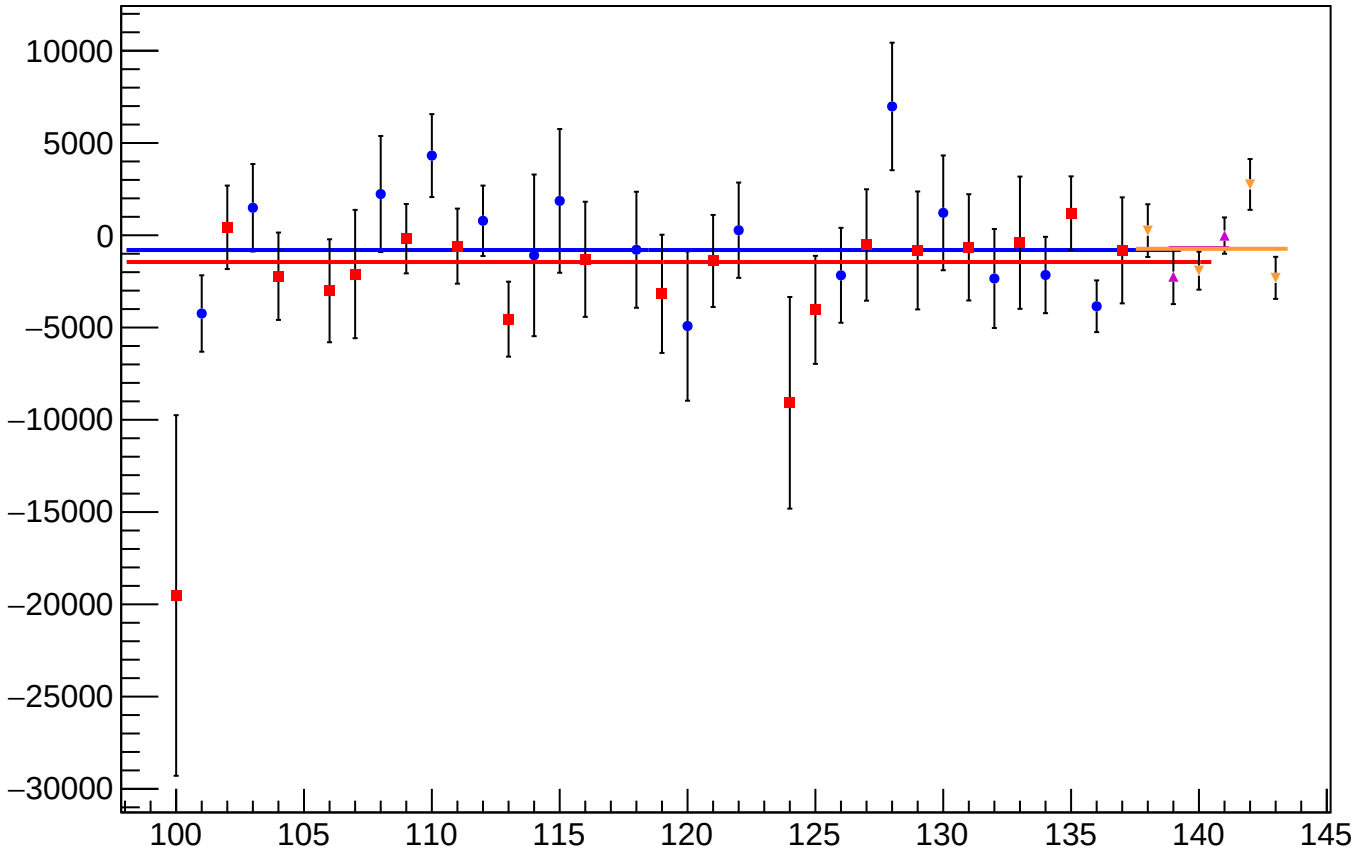
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

+ sign 116.269+/-0.027 χ^2/NDF: 933061.0/19

All: 117.275+/-0.020 χ^2/NDF: 2100685.2/40

- sign 118.453+/-0.029 χ^2/NDF: 1164606.6/20



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -732.895+/-605.596 χ^2/NDF:10.1/3

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

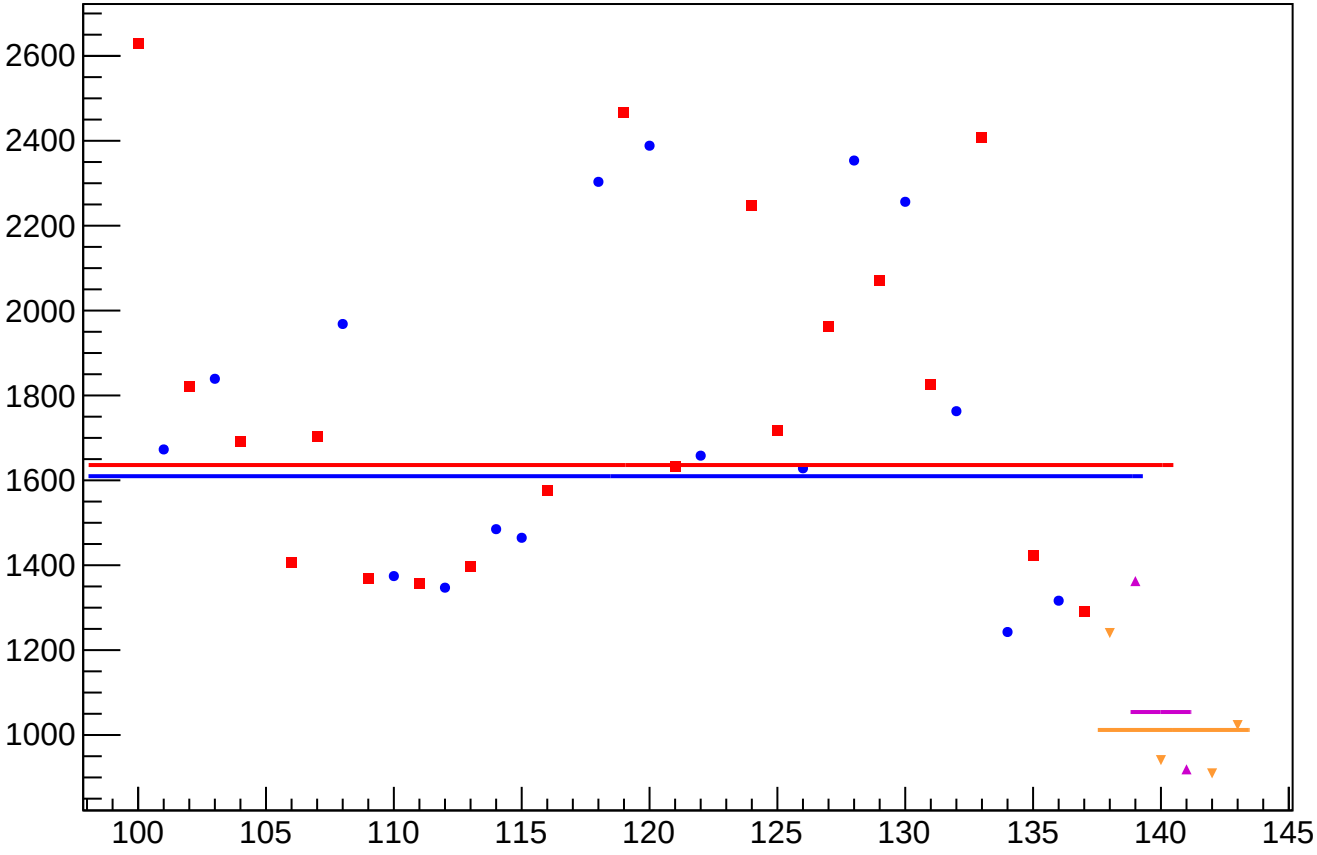
Left In: -695.246+/-820.343 χ^2/NDF:1.6/1

+ sign -765.441+/-431.857 χ^2/NDF: 33.6/19

All: -944.953+/-324.501 χ^2/NDF: 48.5/40

- sign -1177.745+/-491.789 χ^2/NDF: 14.6/20

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1011.906+/-0.428 χ^2/NDF:71863.9/3

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

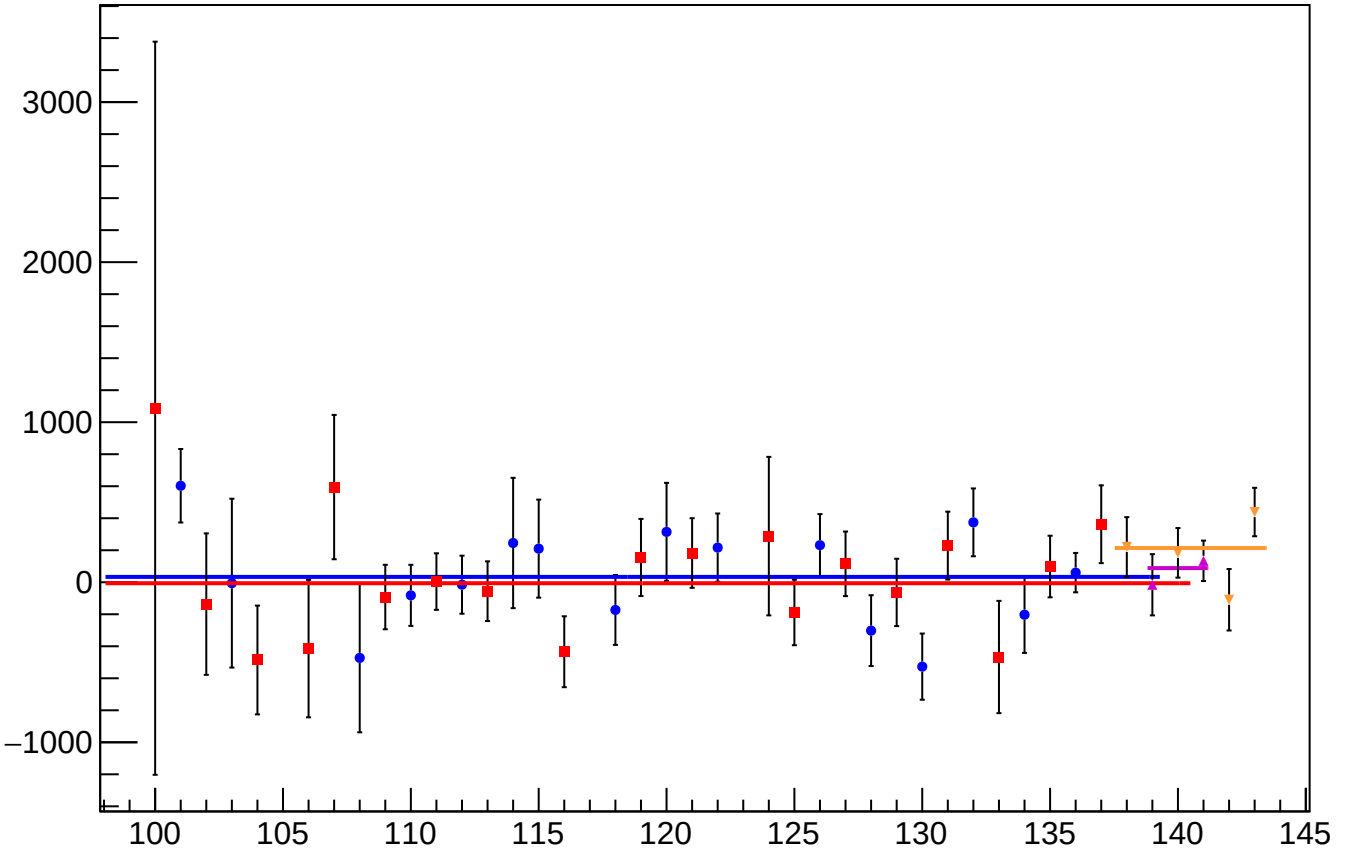
Left In: 1054.139+/-0.580 χ^2/NDF:123764.9/1

+ sign 1305.750+/-0.305 χ^2/NDF: 1649094.5/19

All: 1358.503+/-0.229 χ^2/NDF: 3013887.3/40

- sign 1426.914+/-0.348 χ^2/NDF: 1296248.2/20

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 213.838+/-84.114 χ^2/NDF:5.1/3

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

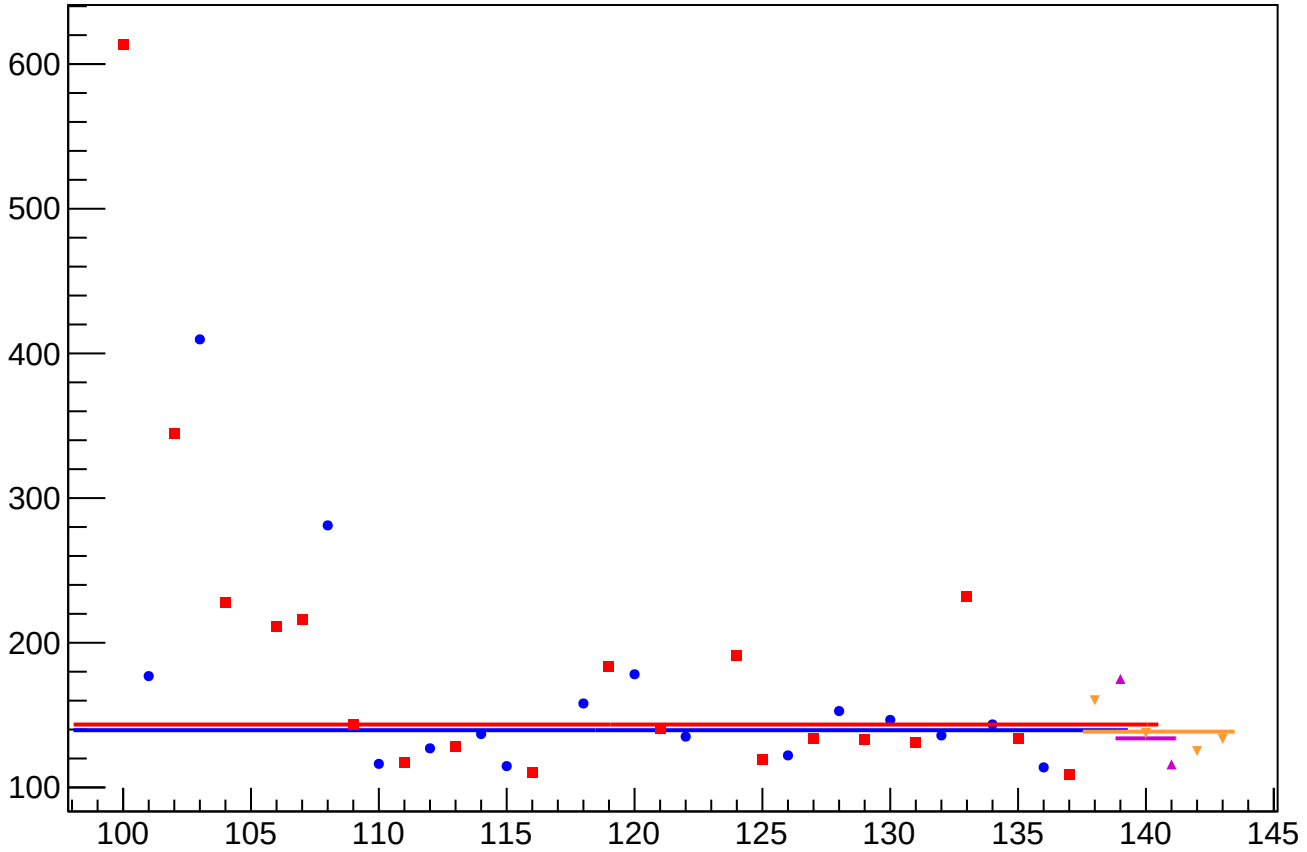
Left In: 88.363+/-105.415 χ^2/NDF:0.4/1

\+ sign 87.364+/-45.979 χ^2/NDF: 33.5/19

All: 53.738+/-33.693 χ^2/NDF: 53.0/40

\- sign 14.738+/-49.517 χ^2/NDF: 18.4/20

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 138.558+/-0.059 χ^2/NDF:39239.3/3

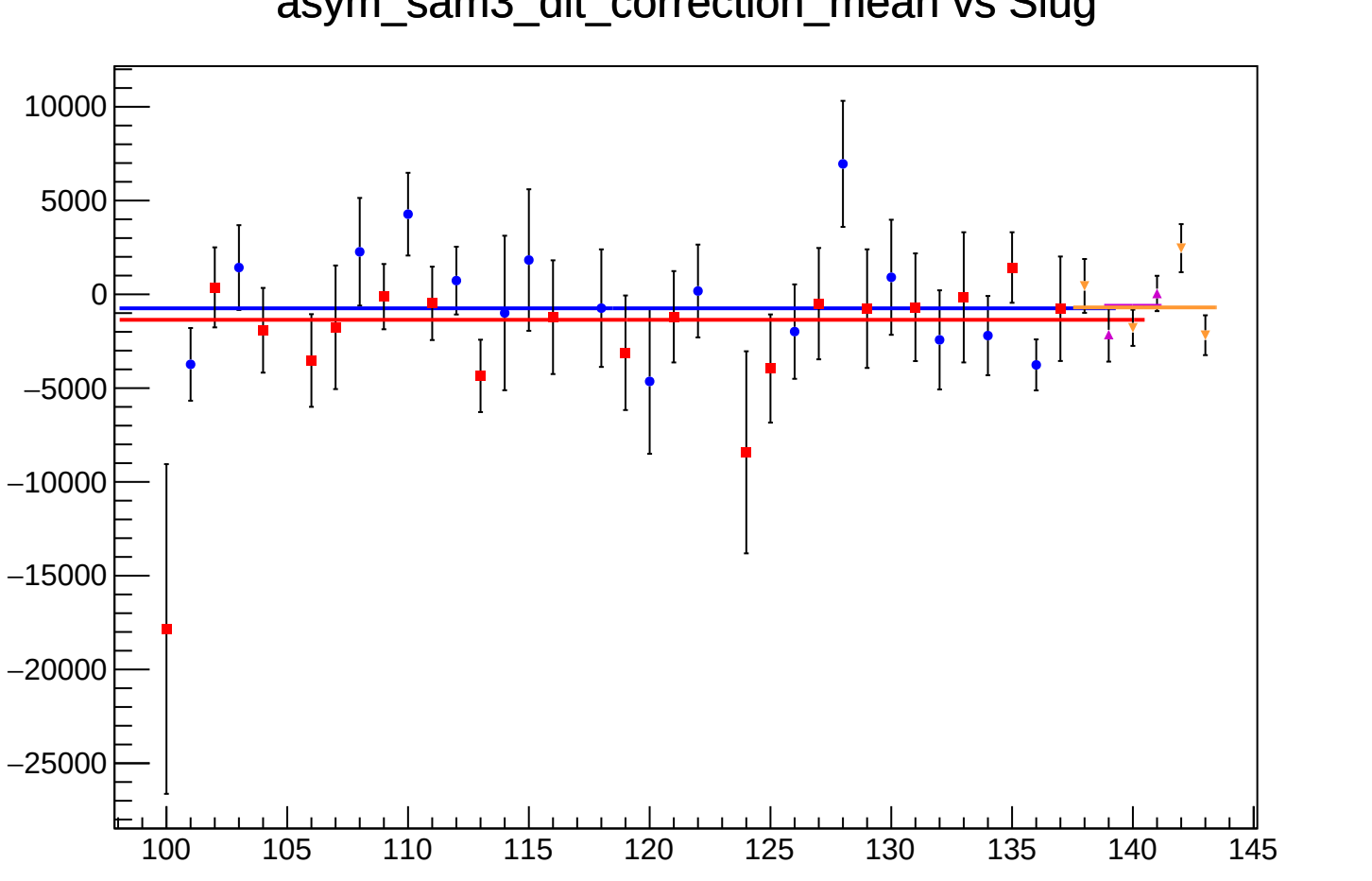
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 133.916+/-0.075 χ^2/NDF:132767.9/1

\+ sign 139.265+/-0.033 χ^2/NDF: 1016175.7/19

All: 140.239+/-0.024 χ^2/NDF: 2280383.0/40

\- sign 141.369+/-0.035 χ^2/NDF: 1262267.9/20



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -696.892+/-572.196 χ^2/NDF:9.9/3

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

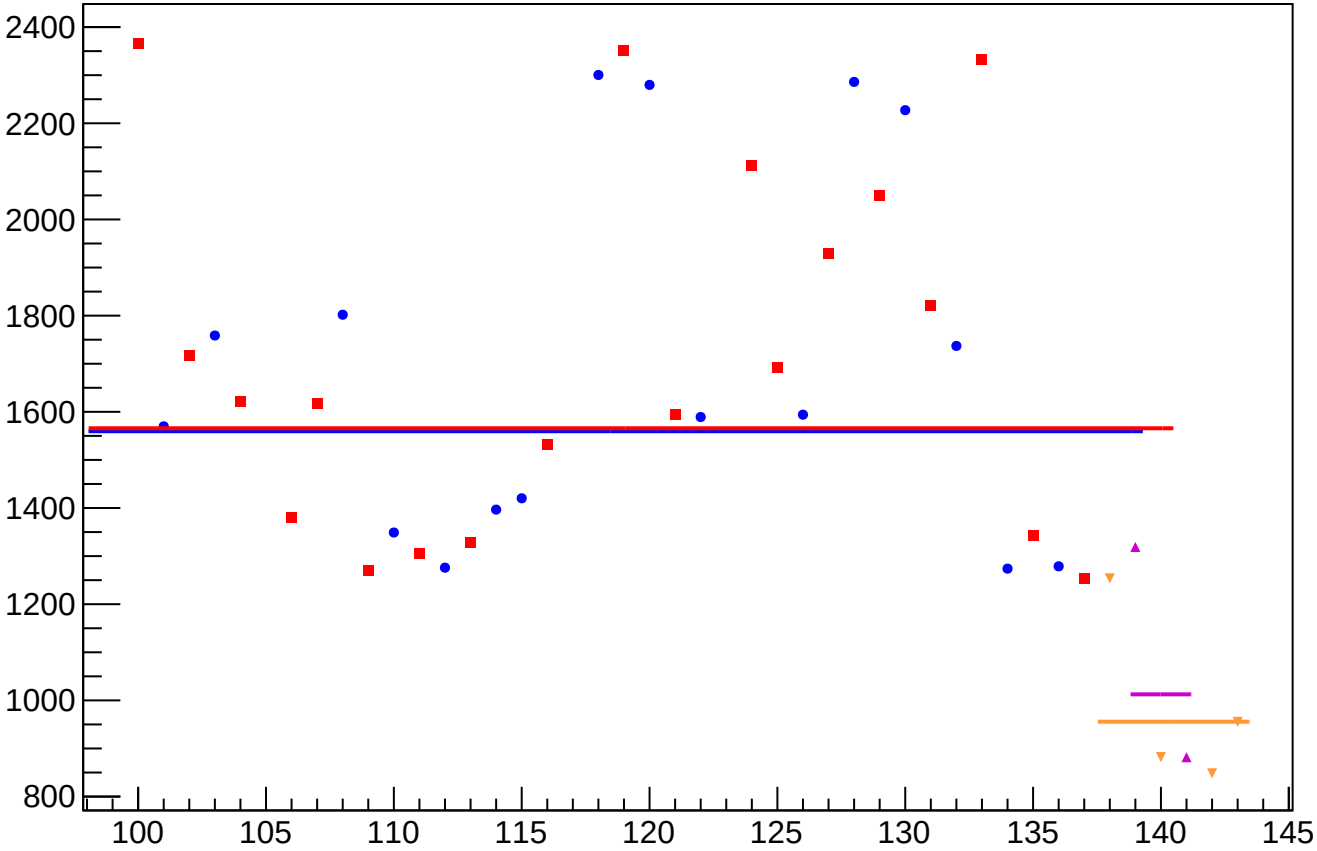
Left In: -608.641+/-788.400 χ^2/NDF:1.6/1

+ sign -719.821+/-412.699 χ^2/NDF: 33.4/19

All: -881.491+/-310.175 χ^2/NDF: 49.5/40

- sign -1091.363+/-470.214 χ^2/NDF: 15.7/20

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 955.678+/-0.405 χ^2/NDF:111983.0/3

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

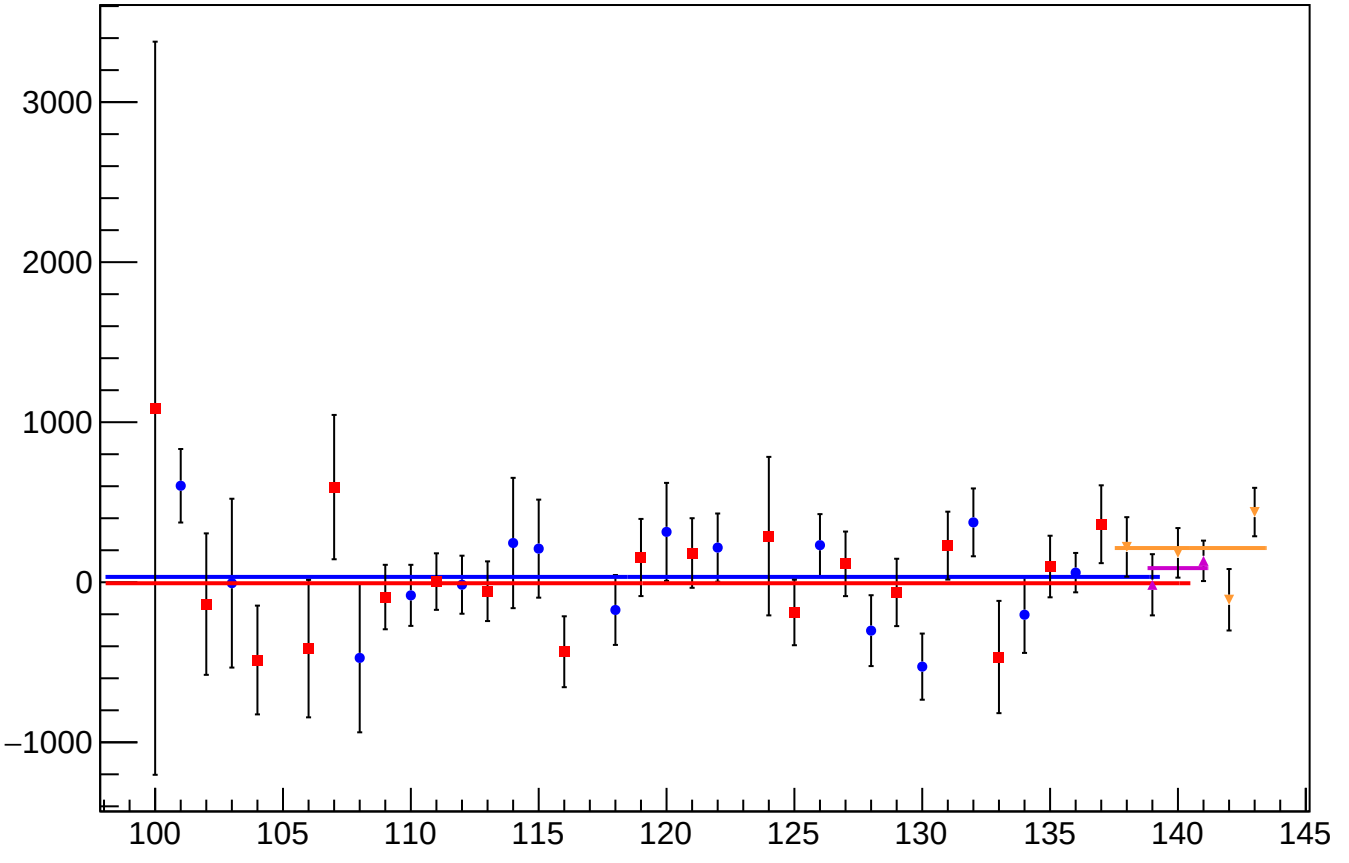
Left In: 1012.579+/-0.557 χ^2/NDF:128865.8/1

+ sign 1245.499+/-0.292 χ^2/NDF: 1785613.7/19

All: 1299.247+/-0.219 χ^2/NDF: 3190776.9/40

- sign 1369.018+/-0.332 χ^2/NDF: 1327207.1/20

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 213.838+/-84.115 χ^2/NDF:5.1/3

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

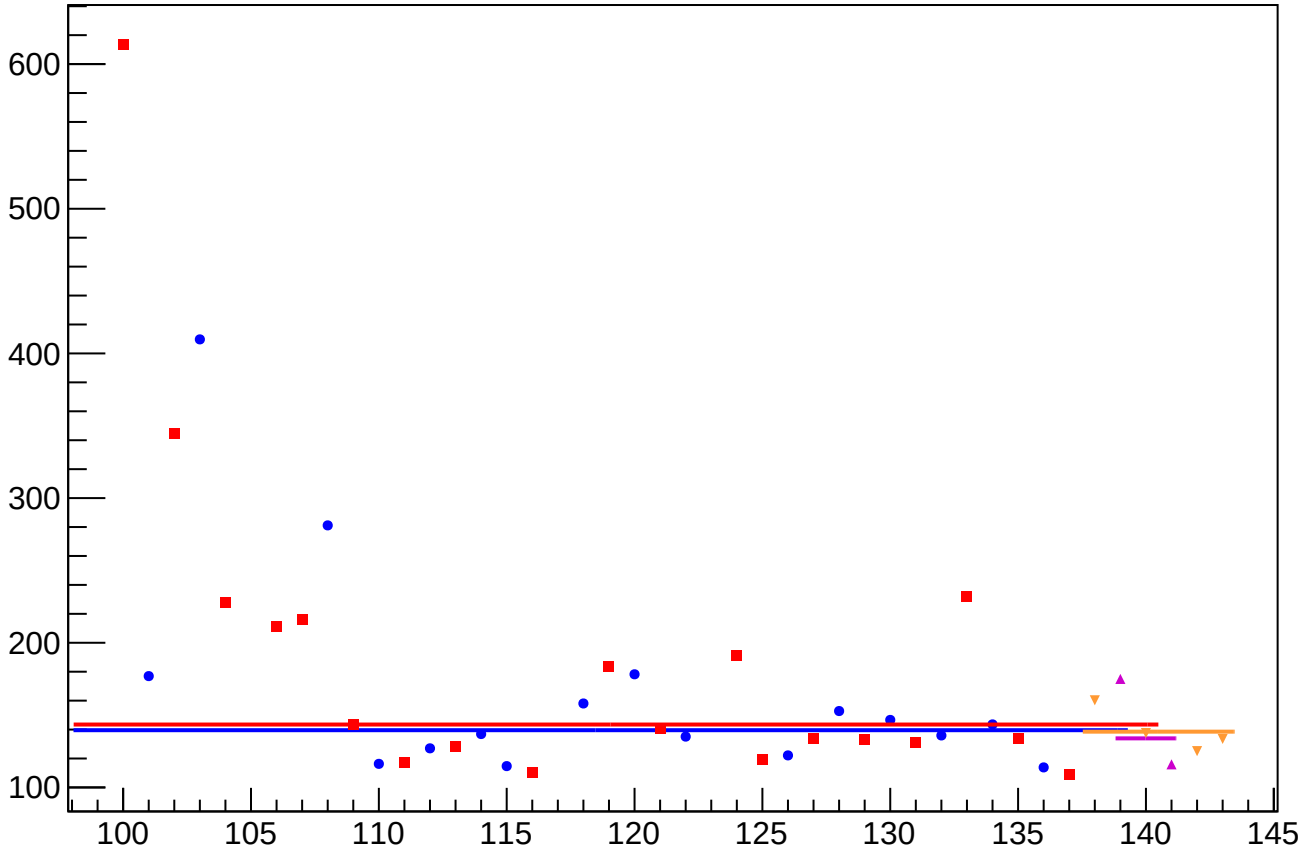
Left In: 88.360+/-105.416 χ^2/NDF:0.4/1

+ sign 87.362+/-45.979 χ^2/NDF: 33.5/19

All: 53.738+/-33.693 χ^2/NDF: 53.0/40

- sign 14.740+/-49.517 χ^2/NDF: 18.4/20

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 138.558+/-0.059 χ^2/NDF:39239.0/3

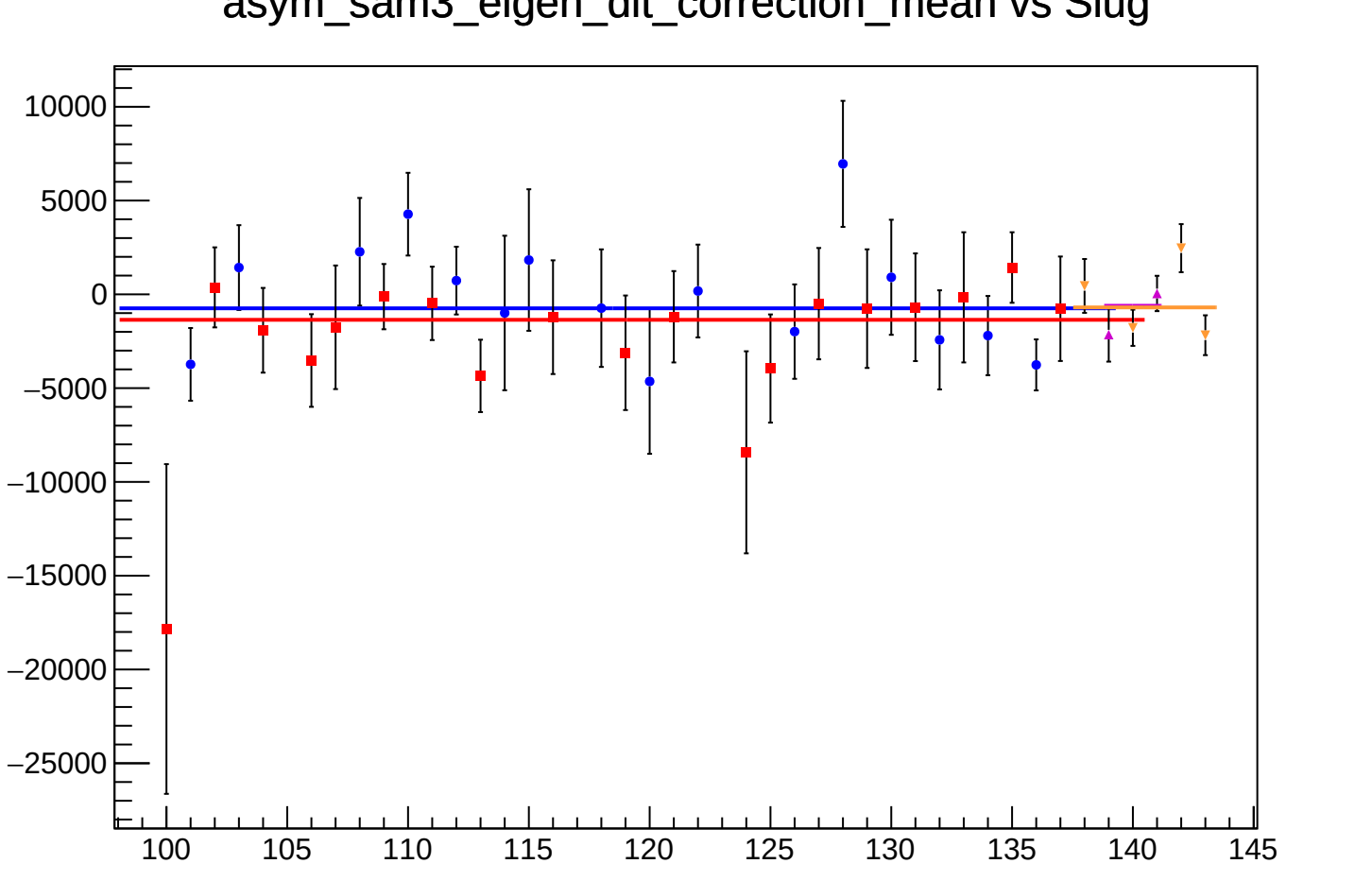
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 133.916+/-0.075 χ^2/NDF:132765.0/1

+ sign 139.265+/-0.033 χ^2/NDF: 1016177.6/19

All: 140.240+/-0.024 χ^2/NDF: 2280388.9/40

- sign 141.370+/-0.035 χ^2/NDF: 1262271.9/20



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -696.897+/-572.196 χ^2/NDF:9.9/3

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

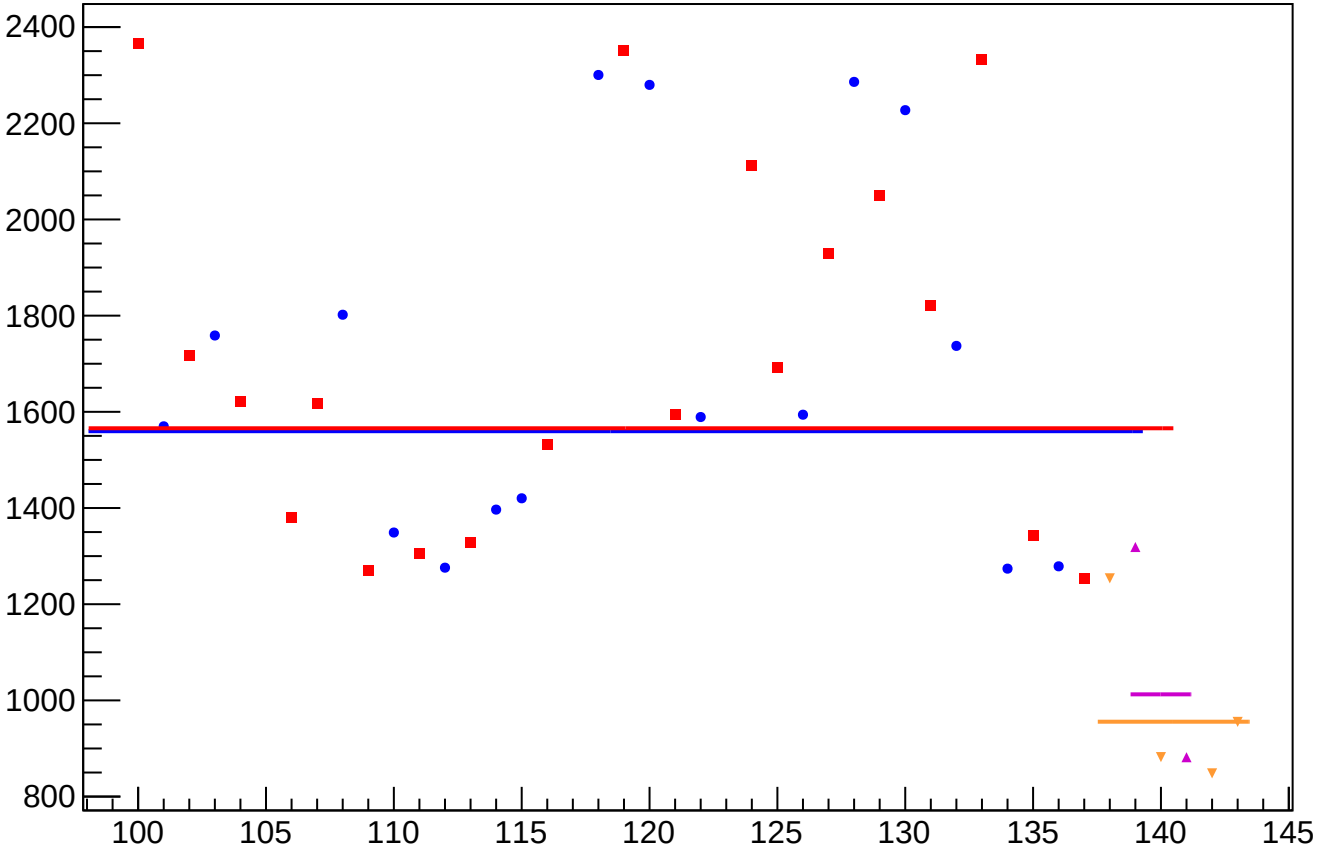
Left In: -608.641+/-788.400 χ^2/NDF:1.6/1

+ sign -719.822+/-412.699 χ^2/NDF: 33.4/19

All: -881.492+/-310.175 χ^2/NDF: 49.5/40

- sign -1091.363+/-470.214 χ^2/NDF: 15.7/20

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 955.677+/-0.405 χ^2/NDF:111984.1/3

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

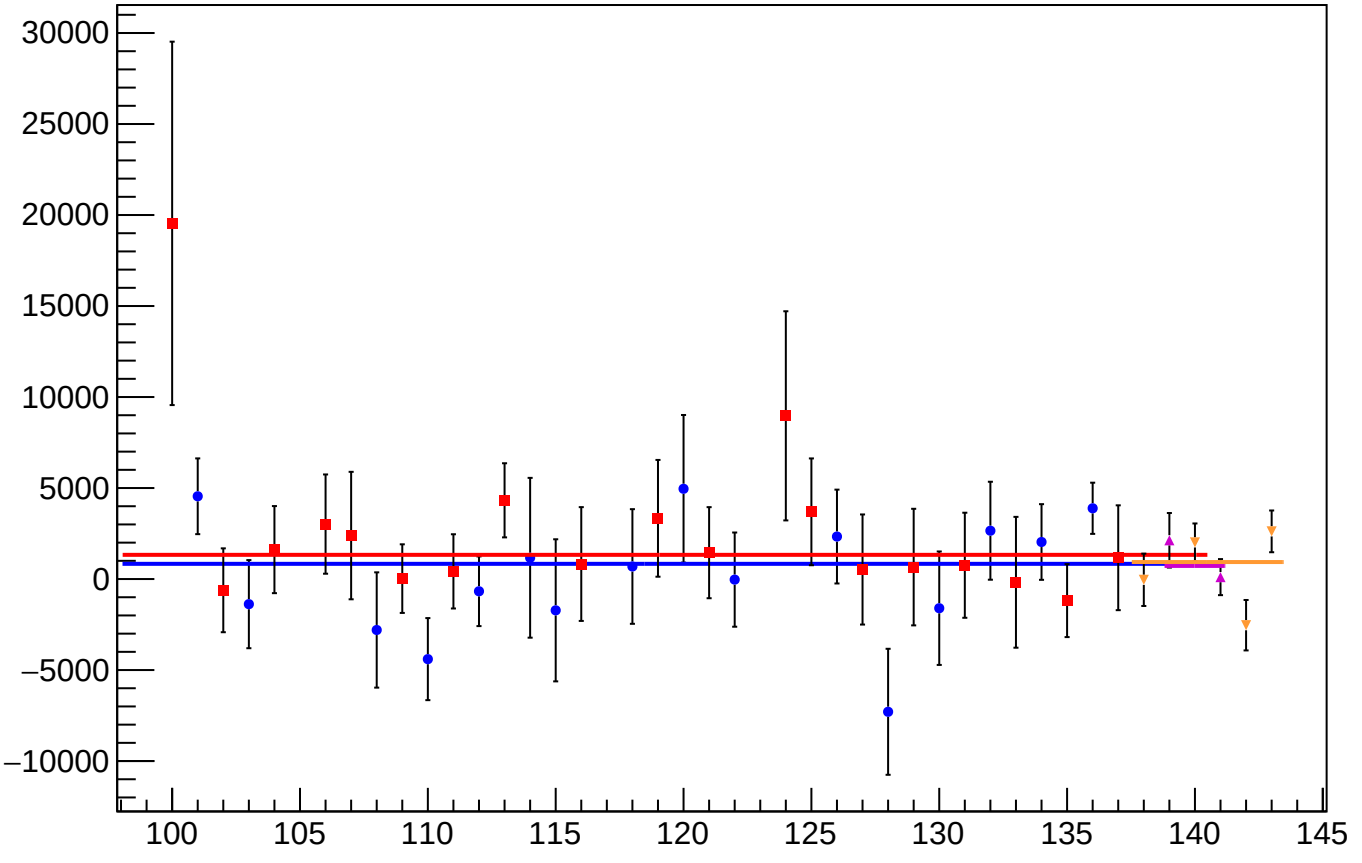
Left In: 1012.578+/-0.557 χ^2/NDF:128867.2/1

+ sign 1245.498+/-0.292 χ^2/NDF: 1785615.1/19

All: 1299.245+/-0.219 χ^2/NDF: 3190775.4/40

- sign 1369.017+/-0.332 χ^2/NDF: 1327204.2/20

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 934.027+/-609.745 χ^2/NDF:10.0/3

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

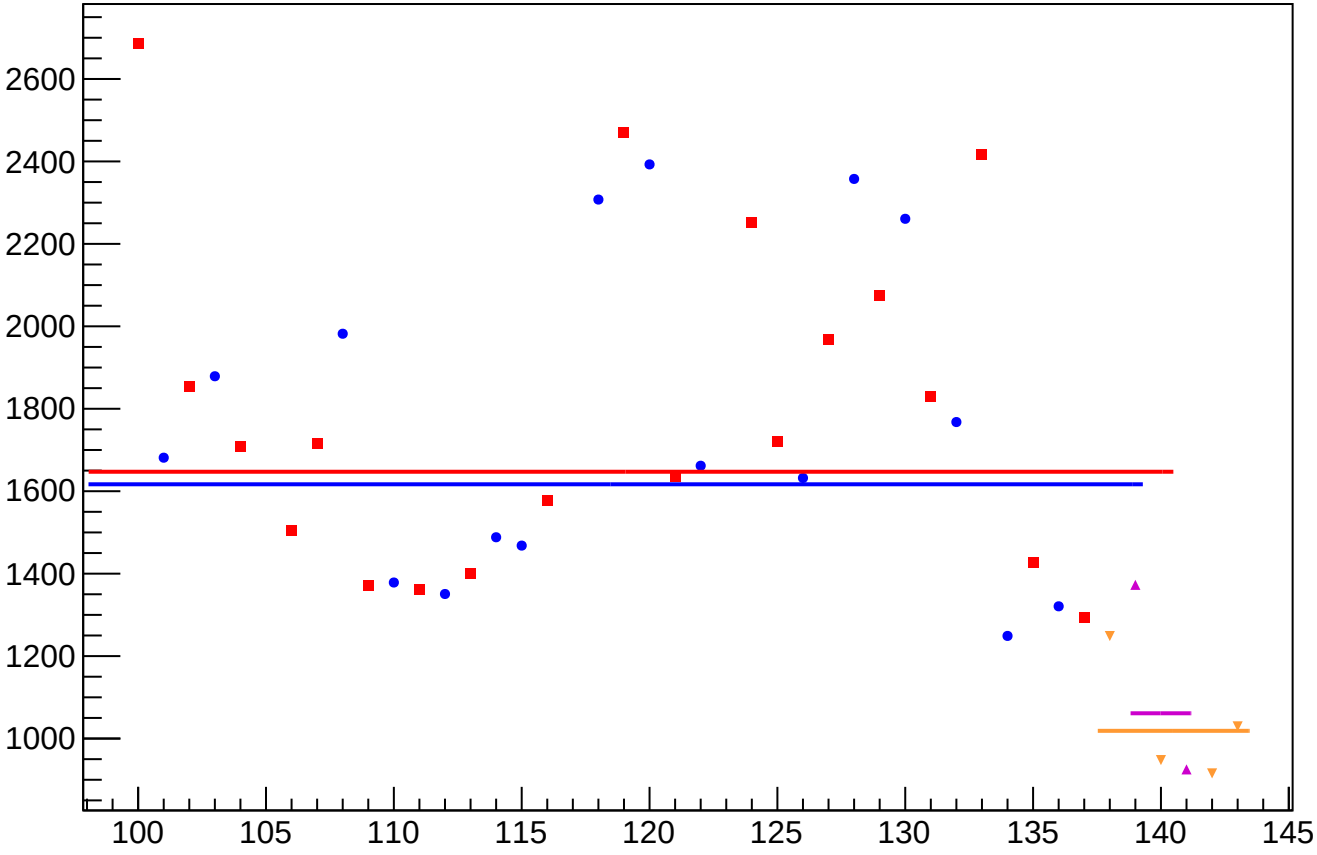
Left In: 720.901+/-826.018 χ^2/NDF:1.3/1

+ sign 885.486+/-434.314 χ^2/NDF: 34.9/19

All: 984.158+/-326.186 χ^2/NDF: 48.7/40

- sign 1111.827+/-494.027 χ^2/NDF: 13.7/20

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 1018.727+/-0.431 χ^2/NDF:71723.2/3

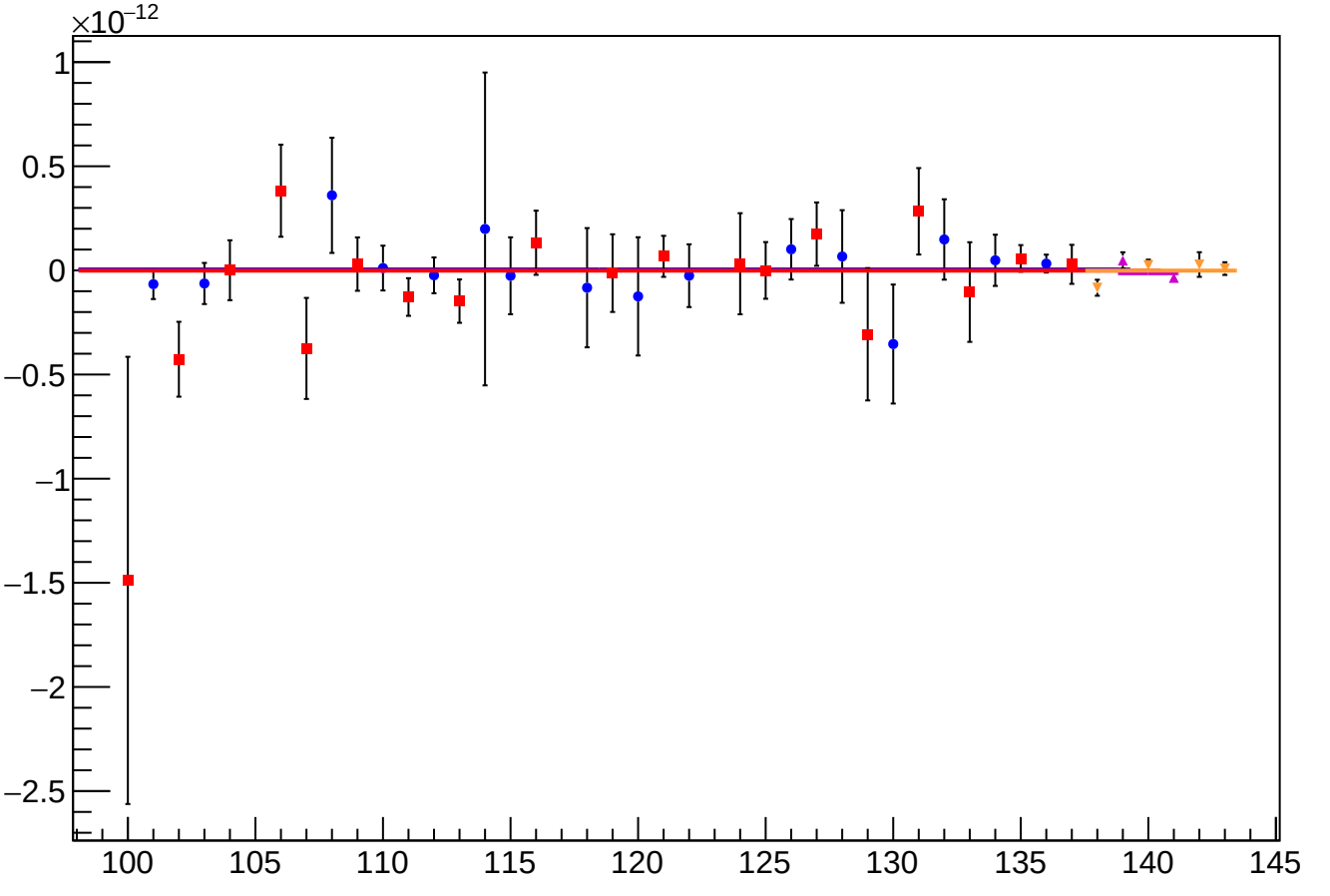
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 1061.294+/-0.584 χ^2/NDF:124302.8/1

+ sign 1313.367+/-0.307 χ^2/NDF: 1641937.7/19

All: 1367.542+/-0.231 χ^2/NDF: 3007855.7/40

- sign 1437.638+/-0.349 χ^2/NDF: 1294536.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/3

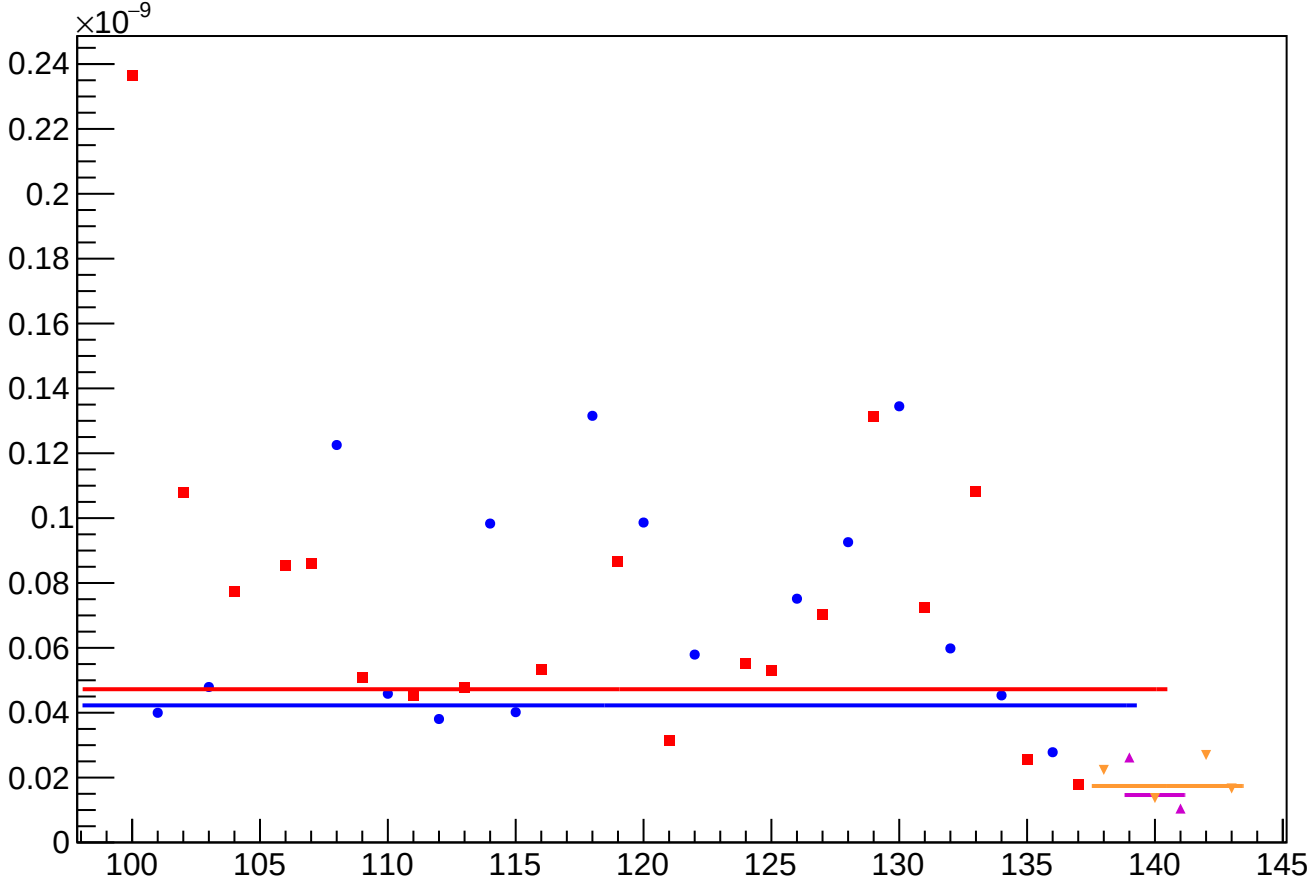
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 12.8/19

All: -0.000+/-0.000 χ^2/NDF: 39.8/40

- sign -0.000+/-0.000 χ^2/NDF: 26.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:125756.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

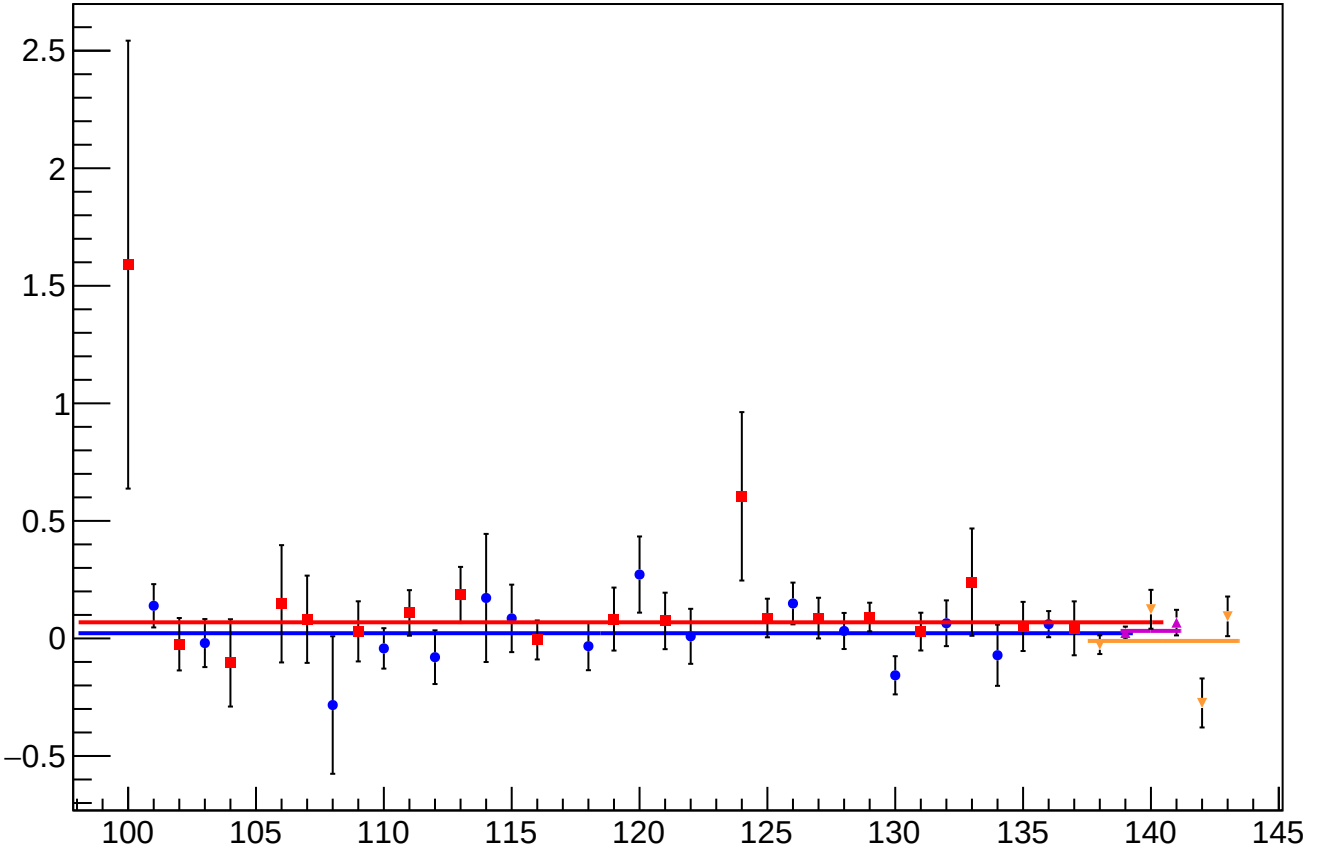
Left In: 0.000+/-0.000 χ^2/NDF:232315.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 2470547.2/19

All: 0.000+/-0.000 χ^2/NDF: 5709193.4/40

- sign 0.000+/-0.000 χ^2/NDF: 3237982.0/20

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

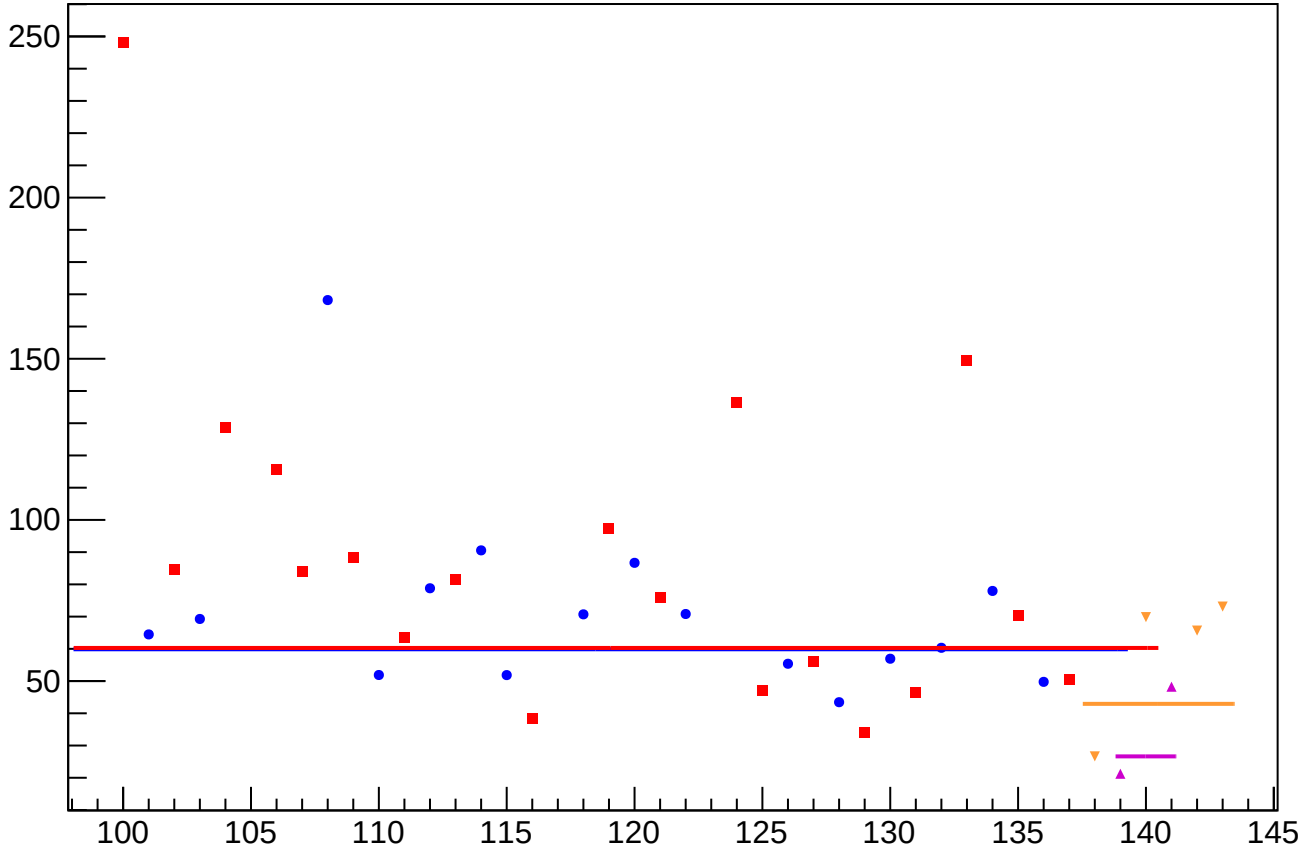
Left In: 0.032+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/19

All: 0.032+/-0.013 χ^2/NDF: 40.5/40

- sign 0.050+/-0.018 χ^2/NDF: 11.2/20

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 42.932+/-0.022 χ^2/NDF:897880.8/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

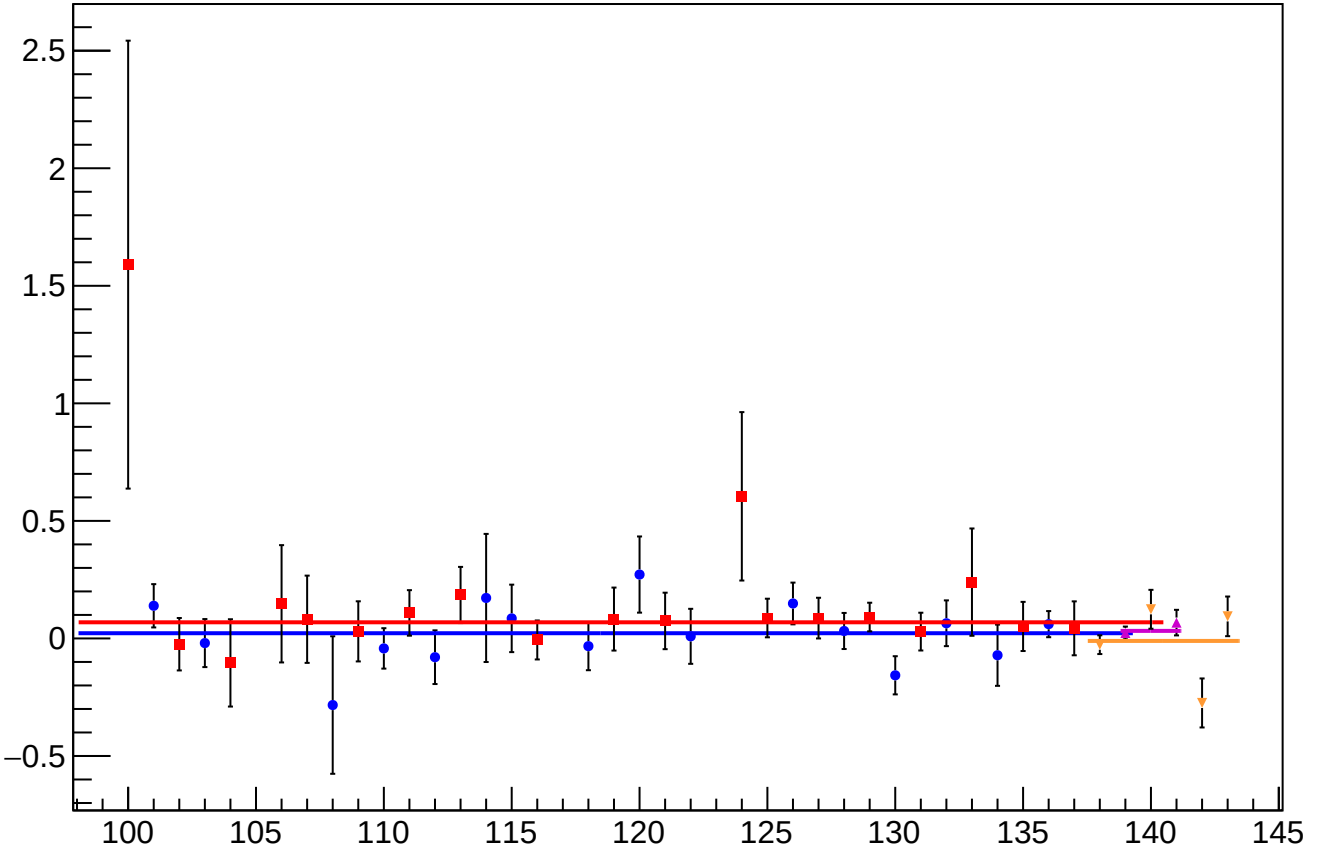
Left In: 26.634+/-0.017 χ^2/NDF:394522.7/1

+ sign 53.422+/-0.014 χ^2/NDF: 1955437.4/19

All: 47.558+/-0.009 χ^2/NDF: 6499797.4/40

- sign 42.787+/-0.012 χ^2/NDF: 4213628.0/20

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

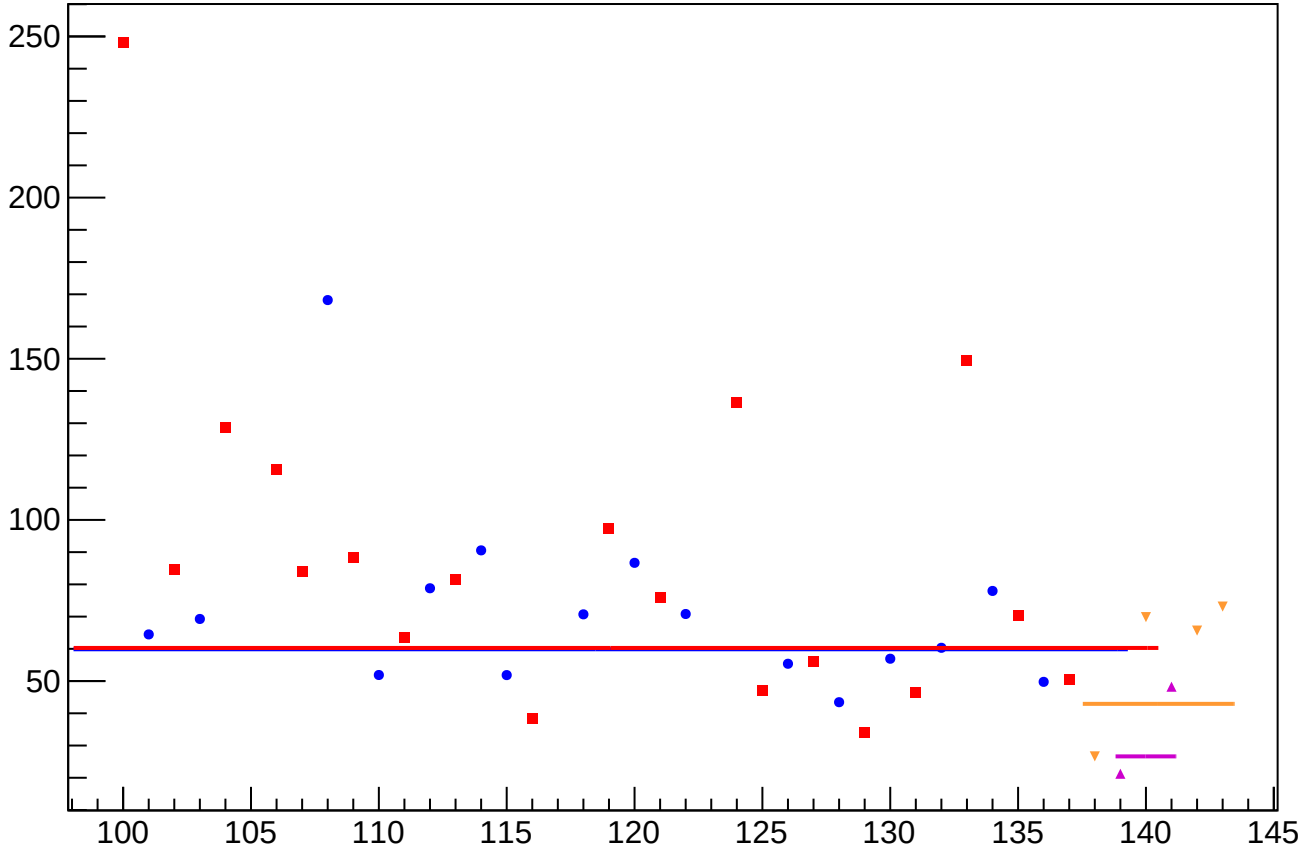
Left In: 0.032+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/19

All: 0.032+/-0.013 χ^2/NDF: 40.5/40

- sign 0.050+/-0.018 χ^2/NDF: 11.2/20

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 42.932+/-0.022 χ^2/NDF:897880.8/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

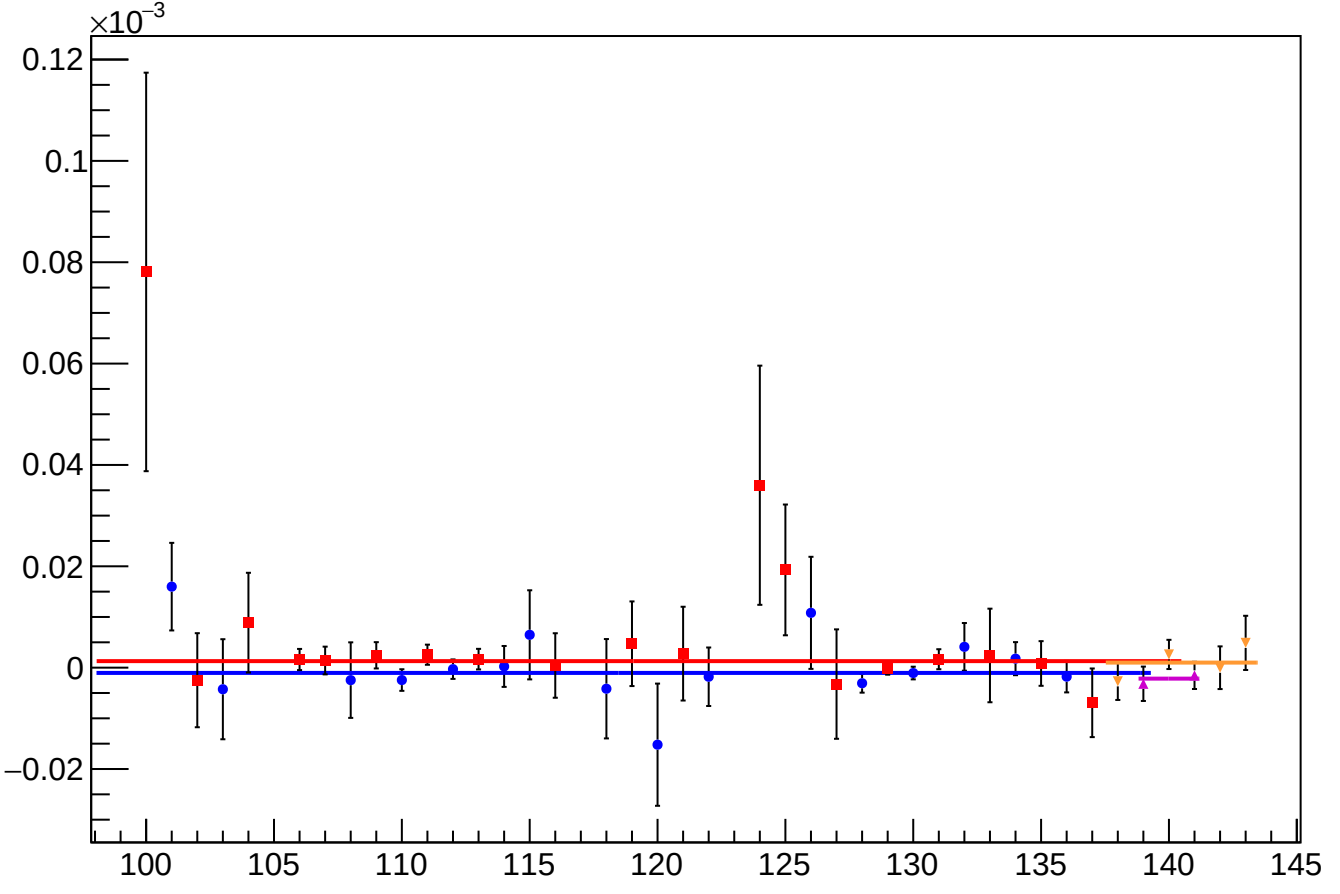
Left In: 26.634+/-0.017 χ^2/NDF:394522.7/1

+ sign 53.422+/-0.014 χ^2/NDF: 1955437.4/19

All: 47.558+/-0.009 χ^2/NDF: 6499797.4/40

- sign 42.787+/-0.012 χ^2/NDF: 4213628.0/20

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:1.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

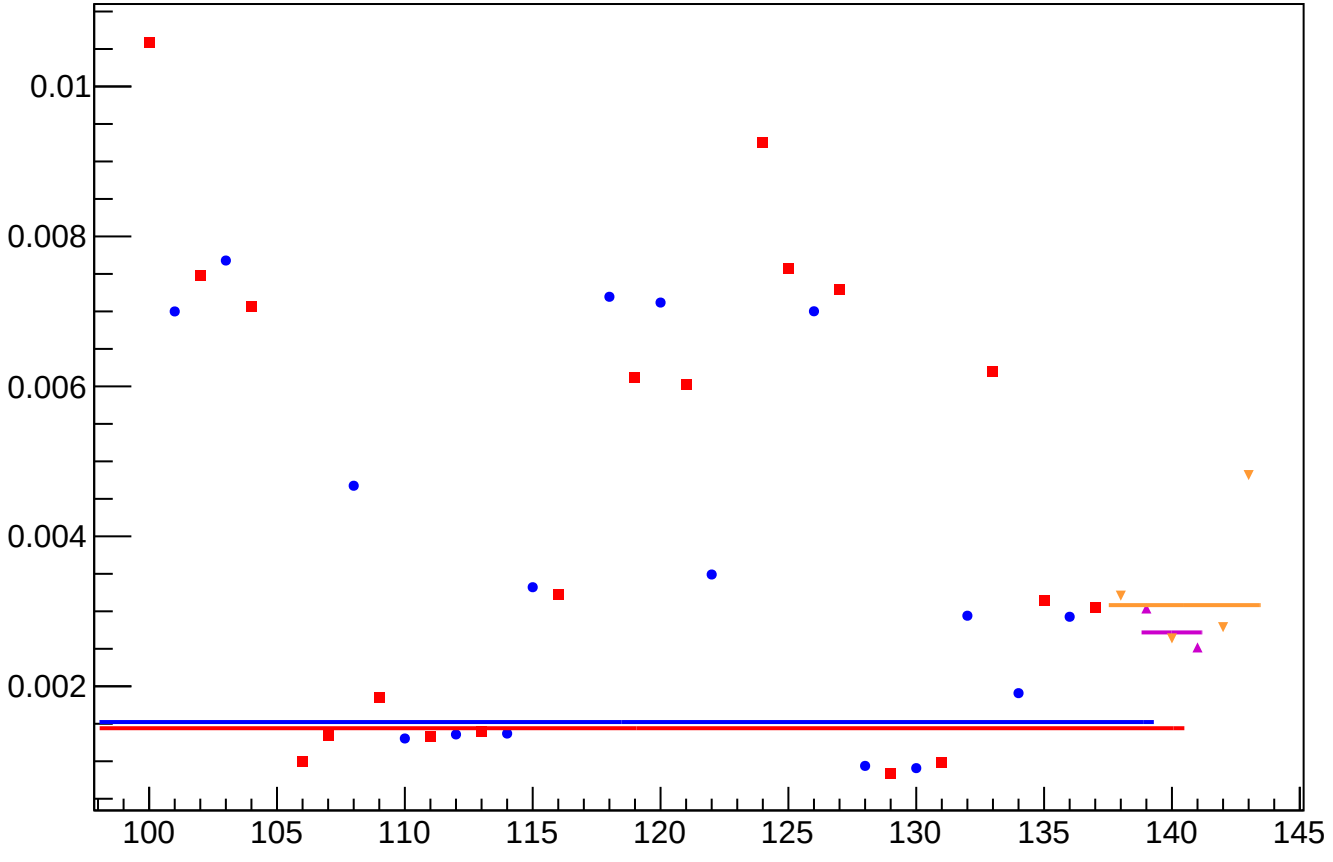
Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 14.2/19

All: 0.000+/-0.000 χ^2/NDF: 32.4/40

- sign 0.000+/-0.000 χ^2/NDF: 15.0/20

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:270024.4/3

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

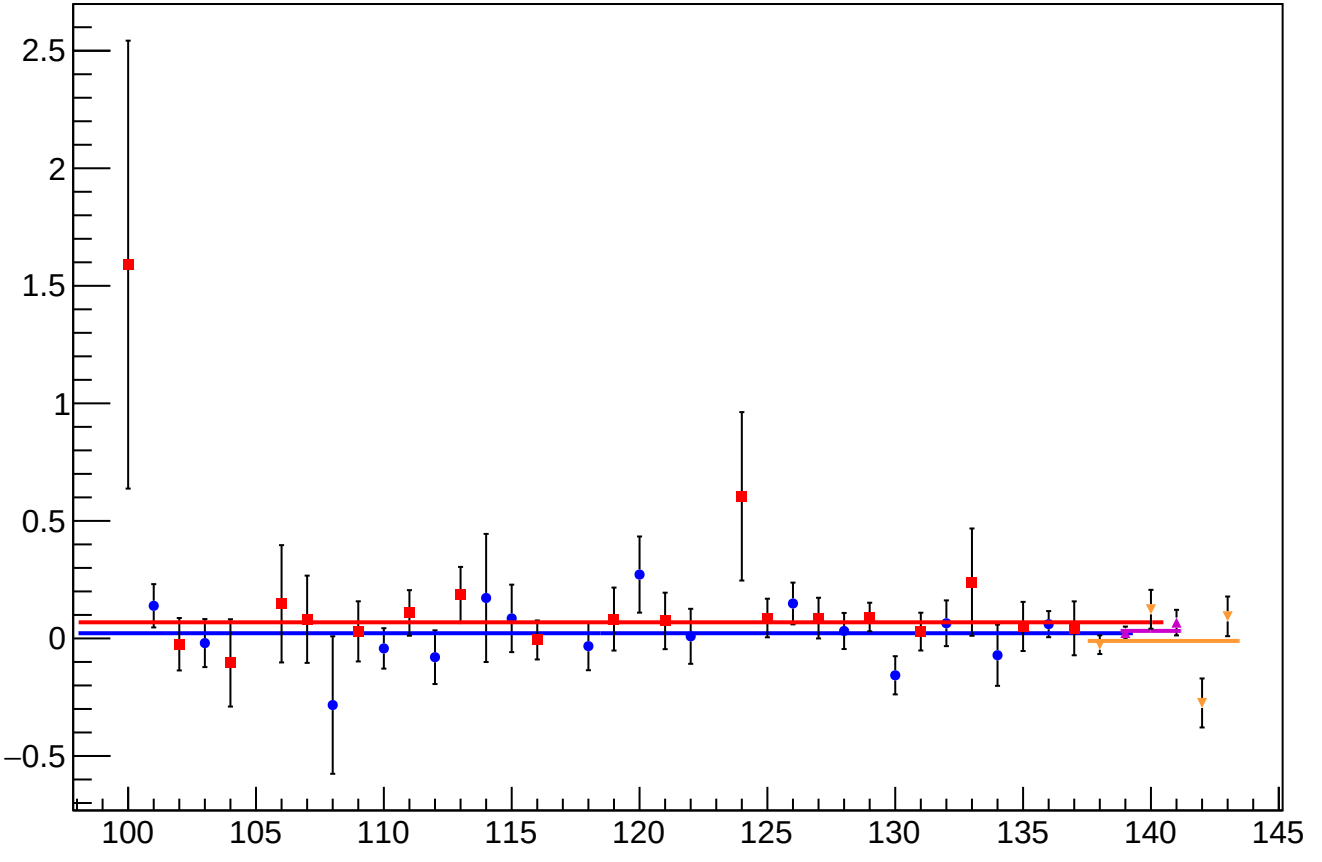
Left In: 0.003+/-0.000 χ^2/NDF:28854.2/1

+ sign 0.002+/-0.000 χ^2/NDF: 6654995.1/19

All: 0.002+/-0.000 χ^2/NDF: 13197696.9/40

- sign 0.002+/-0.000 χ^2/NDF: 6482613.2/20

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

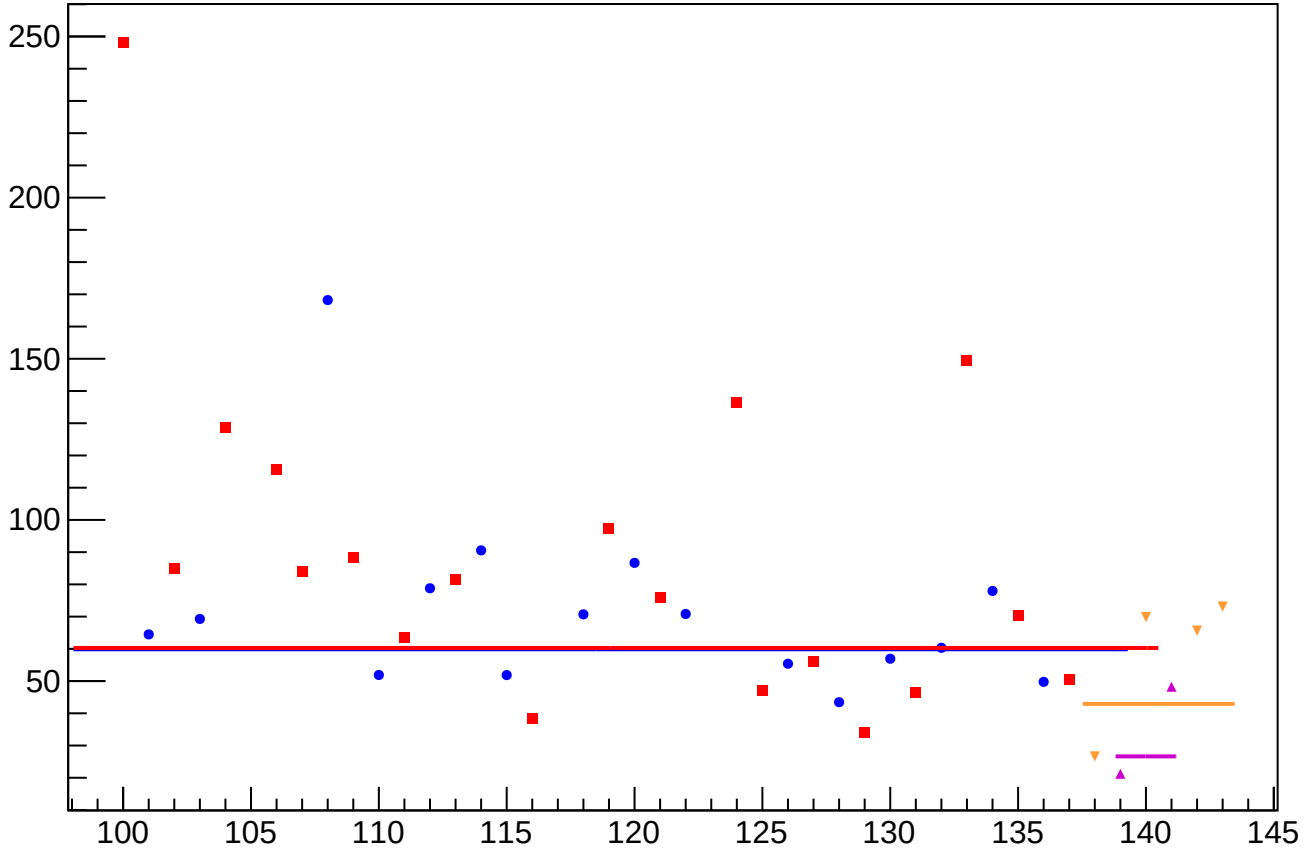
Left In: 0.032+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/19

All: 0.032+/-0.013 χ^2/NDF: 40.5/40

- sign 0.050+/-0.018 χ^2/NDF: 11.2/20

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 42.929+/-0.022 χ^2/NDF:898049.6/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

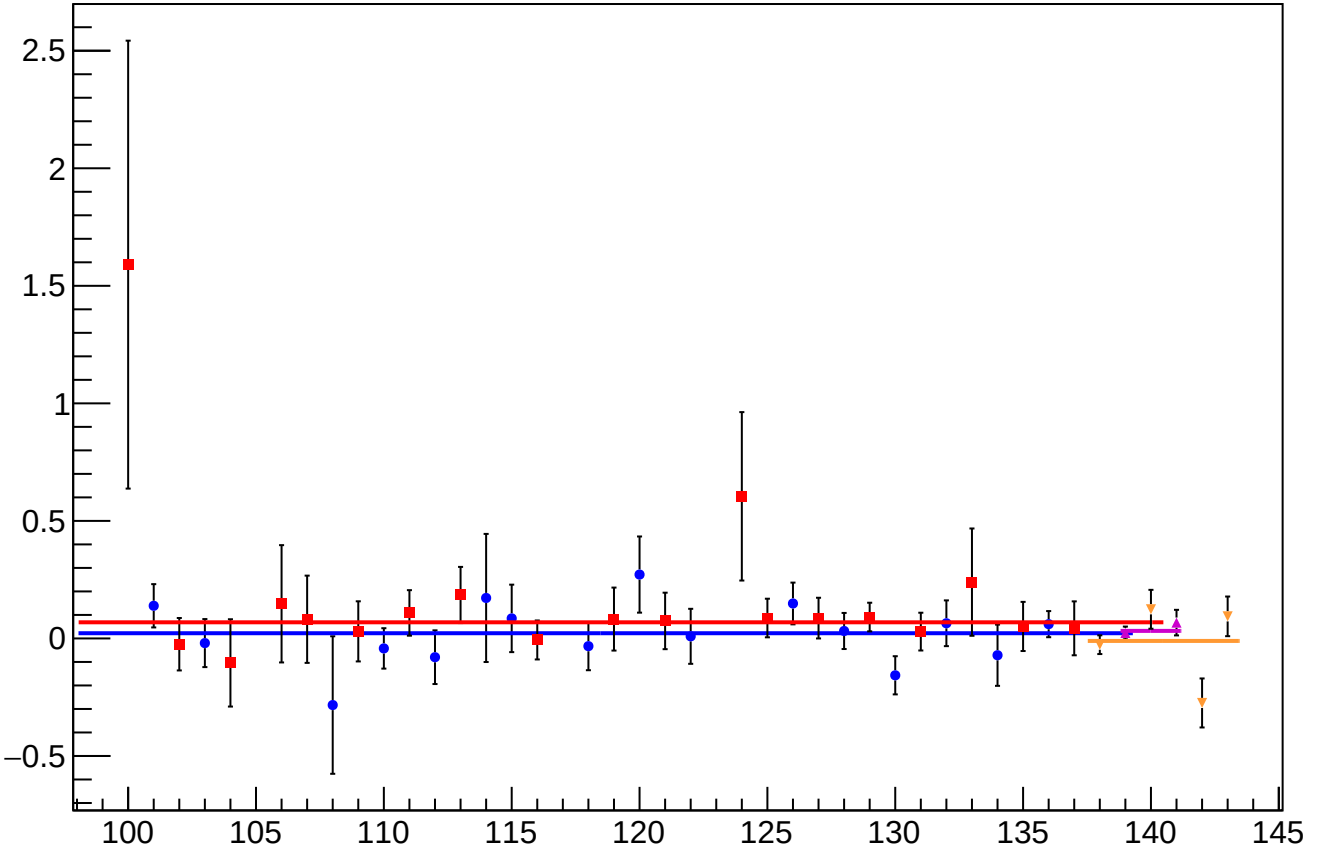
Left In: 26.633+/-0.017 χ^2/NDF:394579.2/1

+ sign 53.421+/-0.014 χ^2/NDF: 1955791.6/19

All: 47.557+/-0.009 χ^2/NDF: 6500558.2/40

- sign 42.786+/-0.012 χ^2/NDF: 4213995.0/20

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

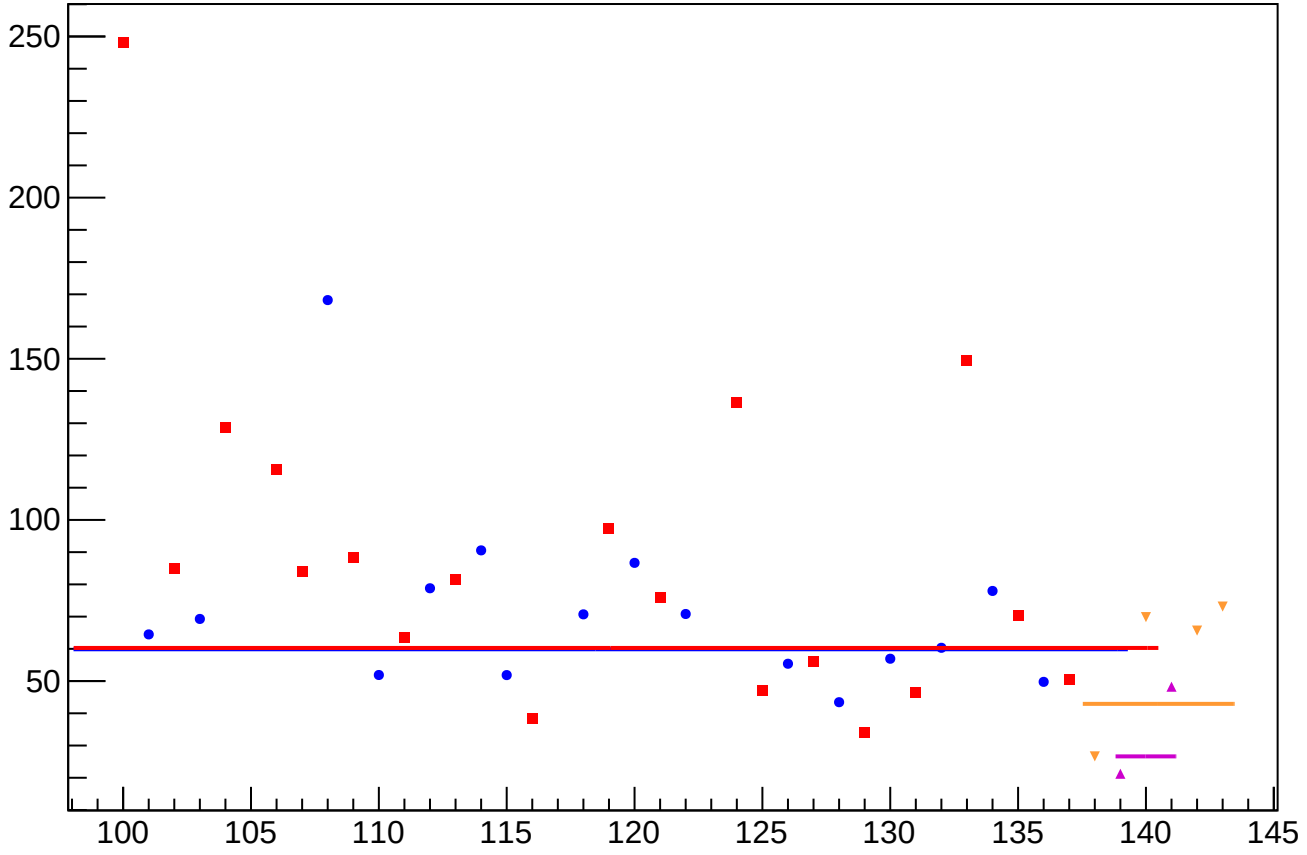
Left In: 0.032+/-0.024 χ^2/NDF:0.5/1

+ sign 0.010+/-0.019 χ^2/NDF: 26.9/19

All: 0.032+/-0.013 χ^2/NDF: 40.5/40

- sign 0.050+/-0.018 χ^2/NDF: 11.2/20

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 42.929+/-0.022 χ^2/NDF:898049.6/3

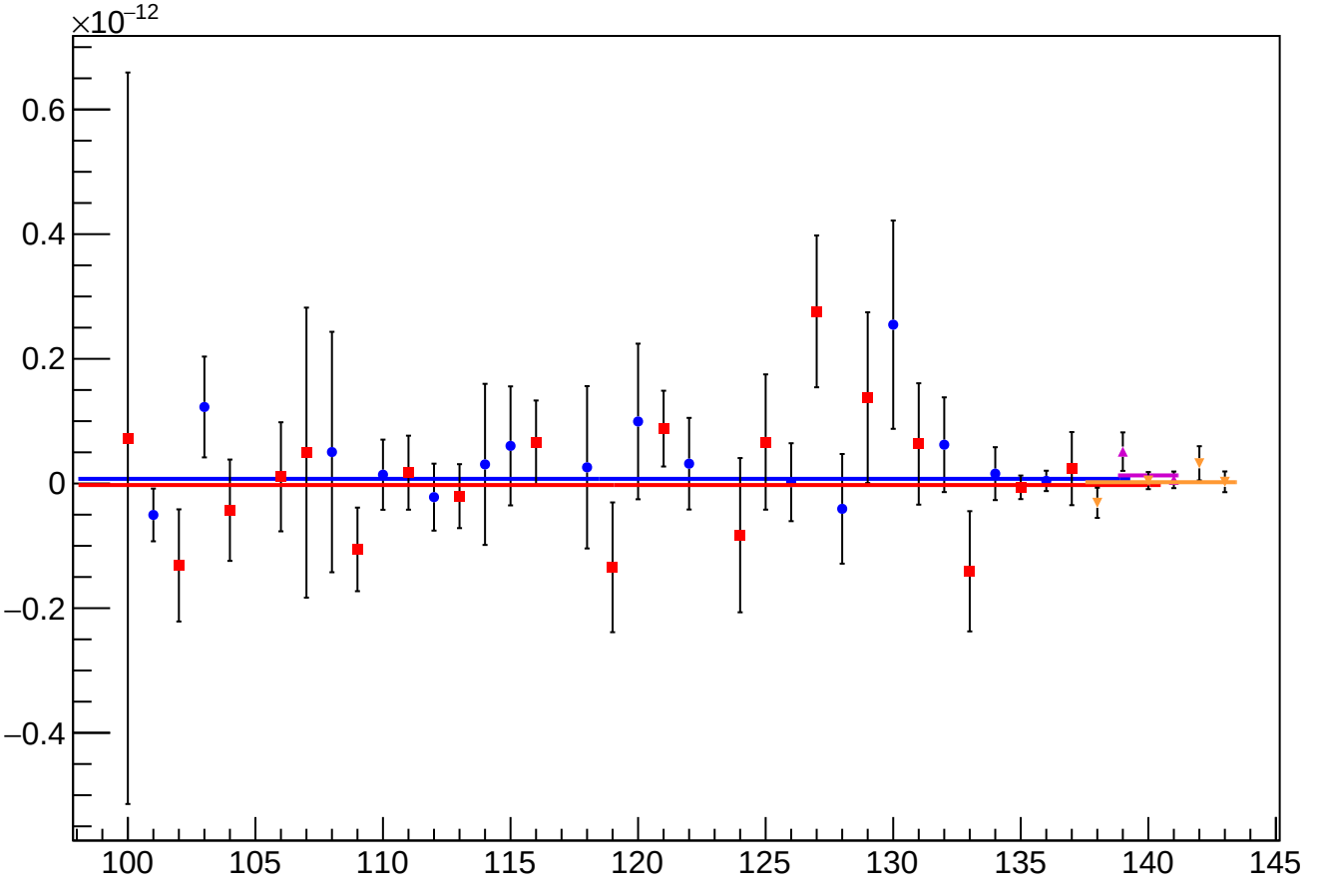
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.633+/-0.017 χ^2/NDF:394579.2/1

+ sign 53.421+/-0.014 χ^2/NDF: 1955791.6/19

All: 47.557+/-0.009 χ^2/NDF: 6500558.2/40

- sign 42.786+/-0.012 χ^2/NDF: 4213995.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/3

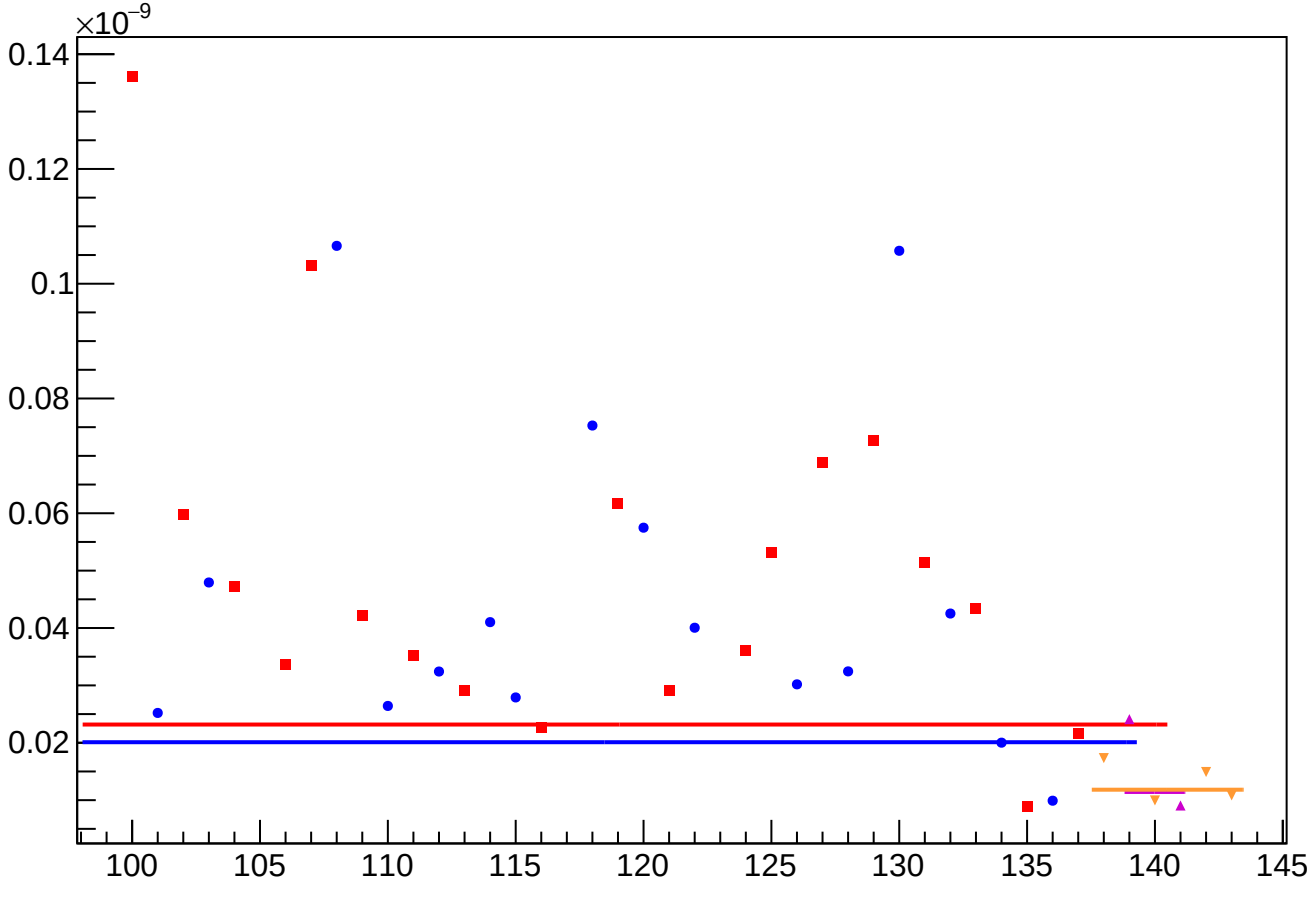
Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 11.6/19

All: 0.000+/-0.000 χ^2/NDF: 33.9/40

- sign 0.000+/-0.000 χ^2/NDF: 22.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:172907.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

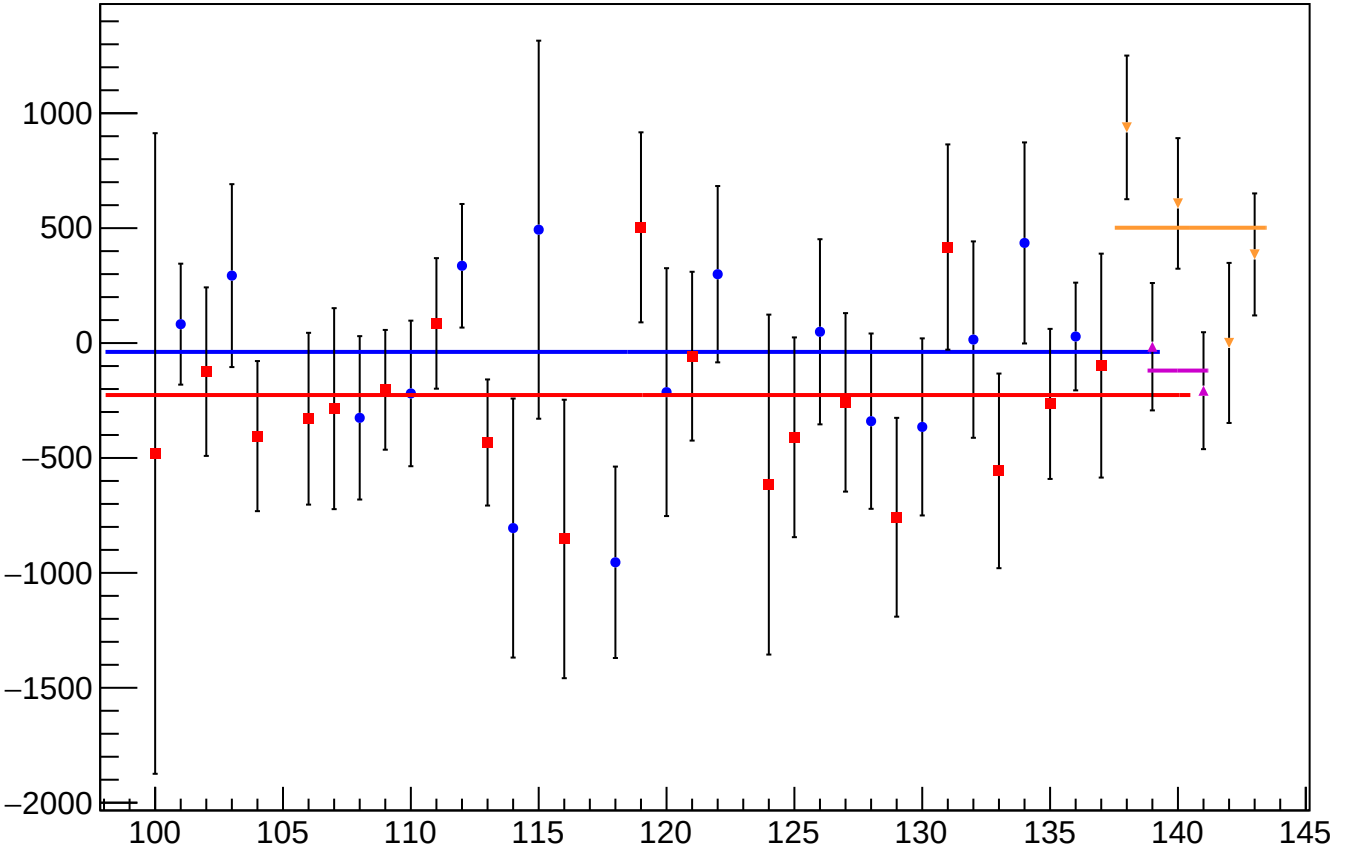
Left In: 0.000+/-0.000 χ^2/NDF:400965.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 3886983.3/19

All: 0.000+/-0.000 χ^2/NDF: 8702440.0/40

- sign 0.000+/-0.000 χ^2/NDF: 4762617.8/20

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.792+/-148.964 χ^2/NDF:4.4/3

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

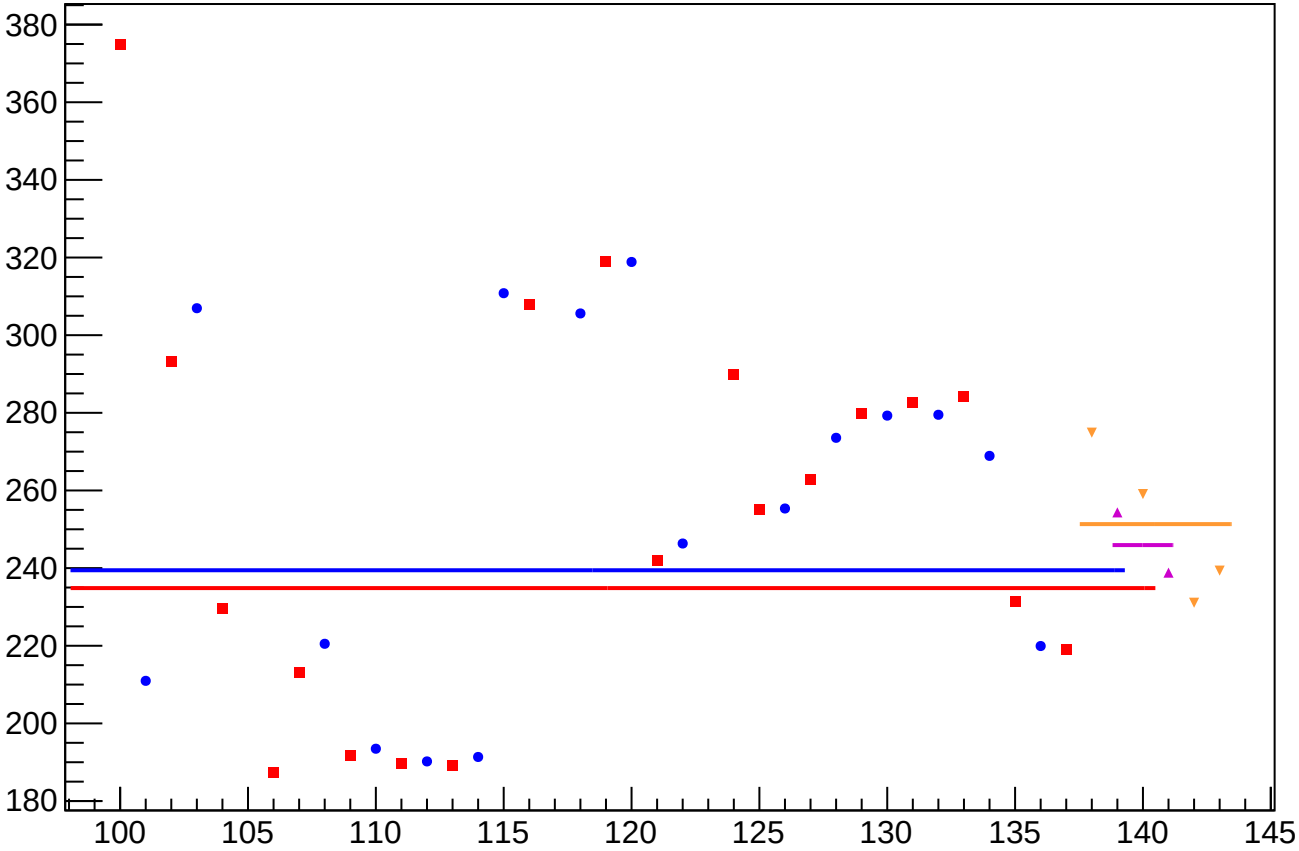
Left In: -119.716+/-187.399 χ^2/NDF:0.3/1

+ sign 107.437+/-77.419 χ^2/NDF: 28.4/19

All: -45.426+/-55.494 χ^2/NDF: 48.4/40

- sign -206.968+/-79.586 χ^2/NDF: 11.9/20

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 251.336+/-0.105 χ^2/NDF:23686.0/3

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

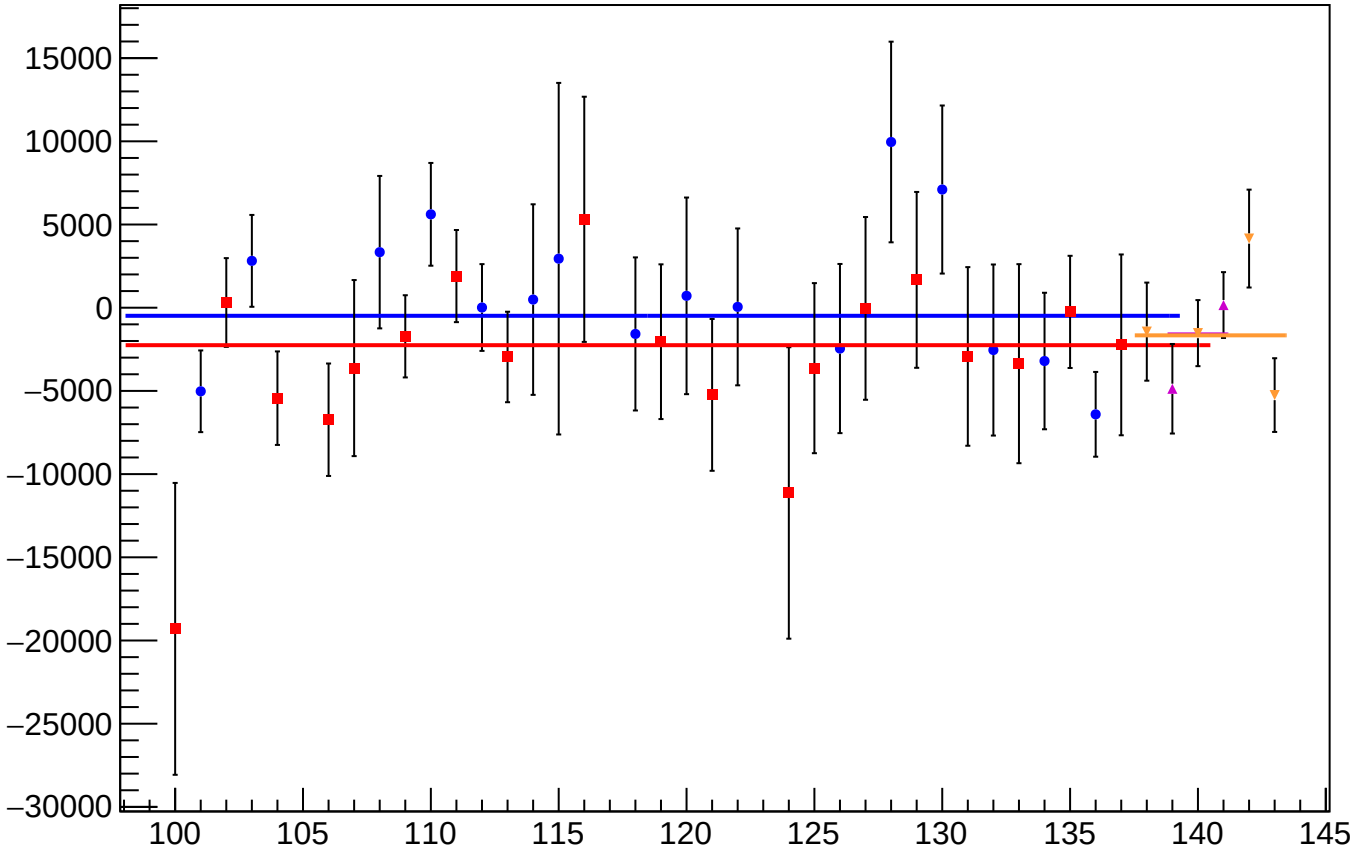
Left In: 245.933+/-0.133 χ^2/NDF:3406.3/1

+ sign 242.660+/-0.055 χ^2/NDF: 433937.8/19

All: 239.836+/-0.039 χ^2/NDF: 930259.2/40

- sign 236.853+/-0.056 χ^2/NDF: 490850.2/20

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -1660.451+/-1205.406 χ^2/NDF:6.5/3

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

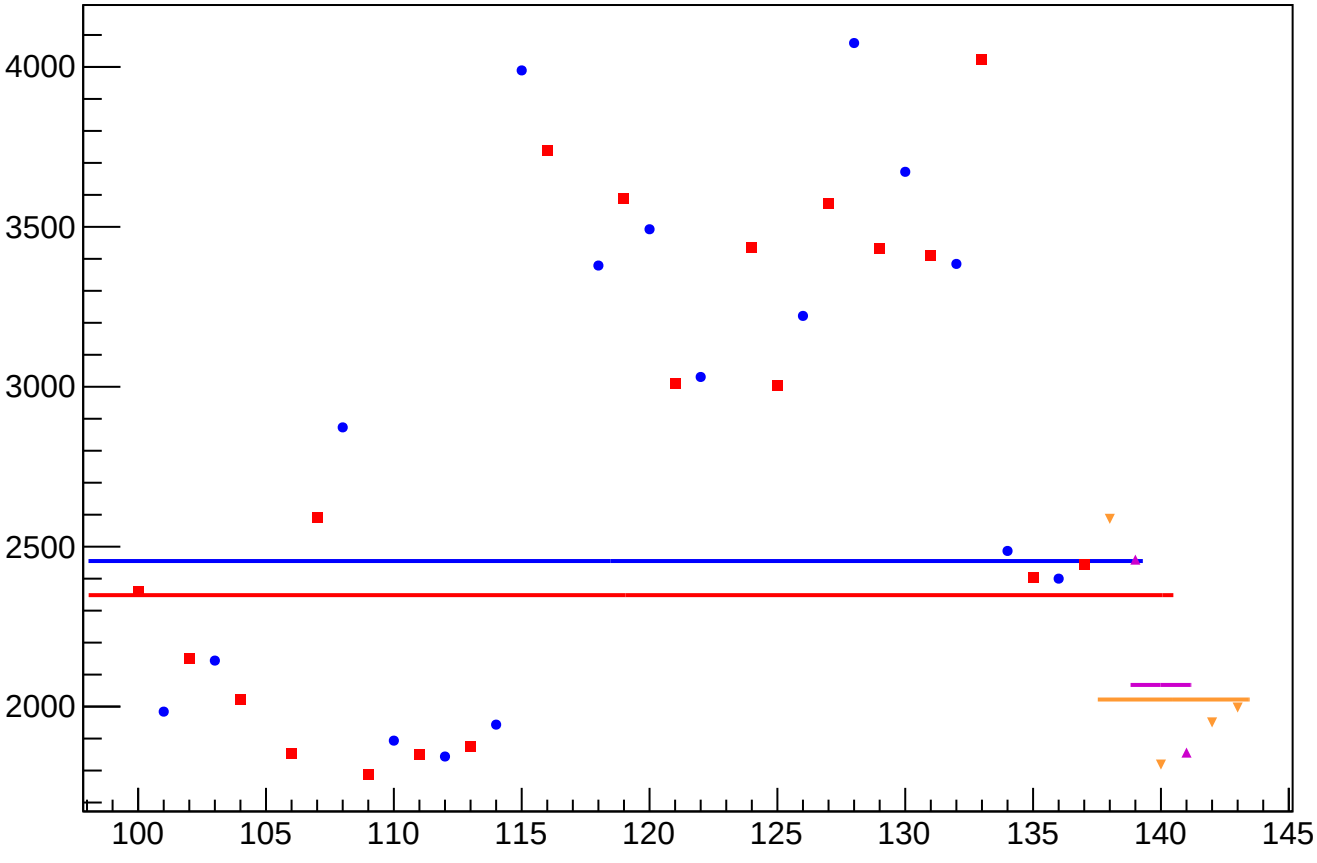
Left In: -1603.040+/-1593.239 χ^2/NDF:2.3/1

\+ sign -934.458+/-744.898 χ^2/NDF: 28.3/19

All: -1488.910+/-538.626 χ^2/NDF: 45.7/40

\- sign -2096.477+/-779.761 χ^2/NDF: 16.3/20

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2022.093+/-0.852 χ^2/NDF:95913.9/3

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

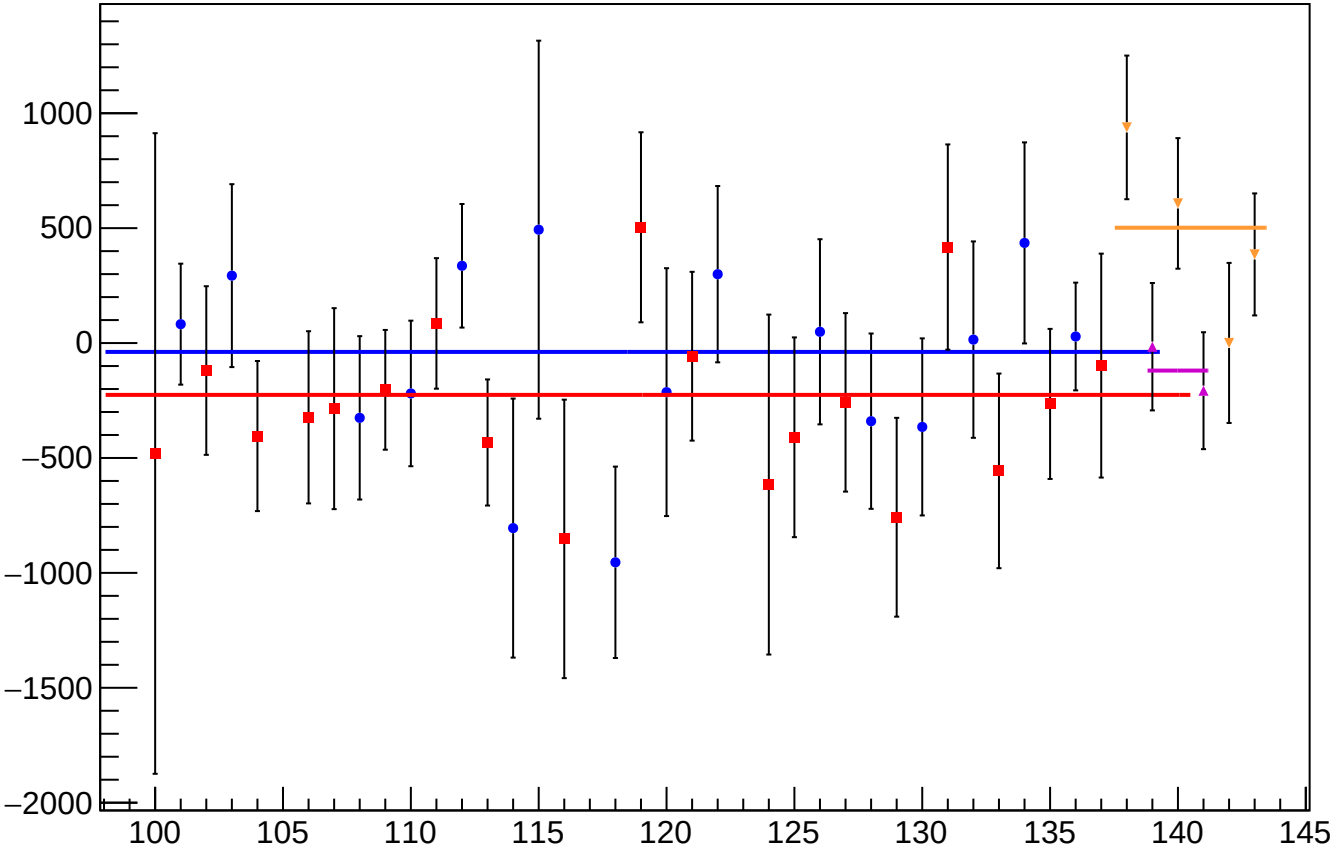
Left In: 2067.686+/-1.127 χ^2/NDF:65304.5/1

+ sign 2289.745+/-0.527 χ^2/NDF: 1149829.6/19

All: 2285.666+/-0.381 χ^2/NDF: 2314911.6/40

- sign 2281.196+/-0.551 χ^2/NDF: 1164956.3/20

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.815+/-148.964 χ^2/NDF:4.4/3

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

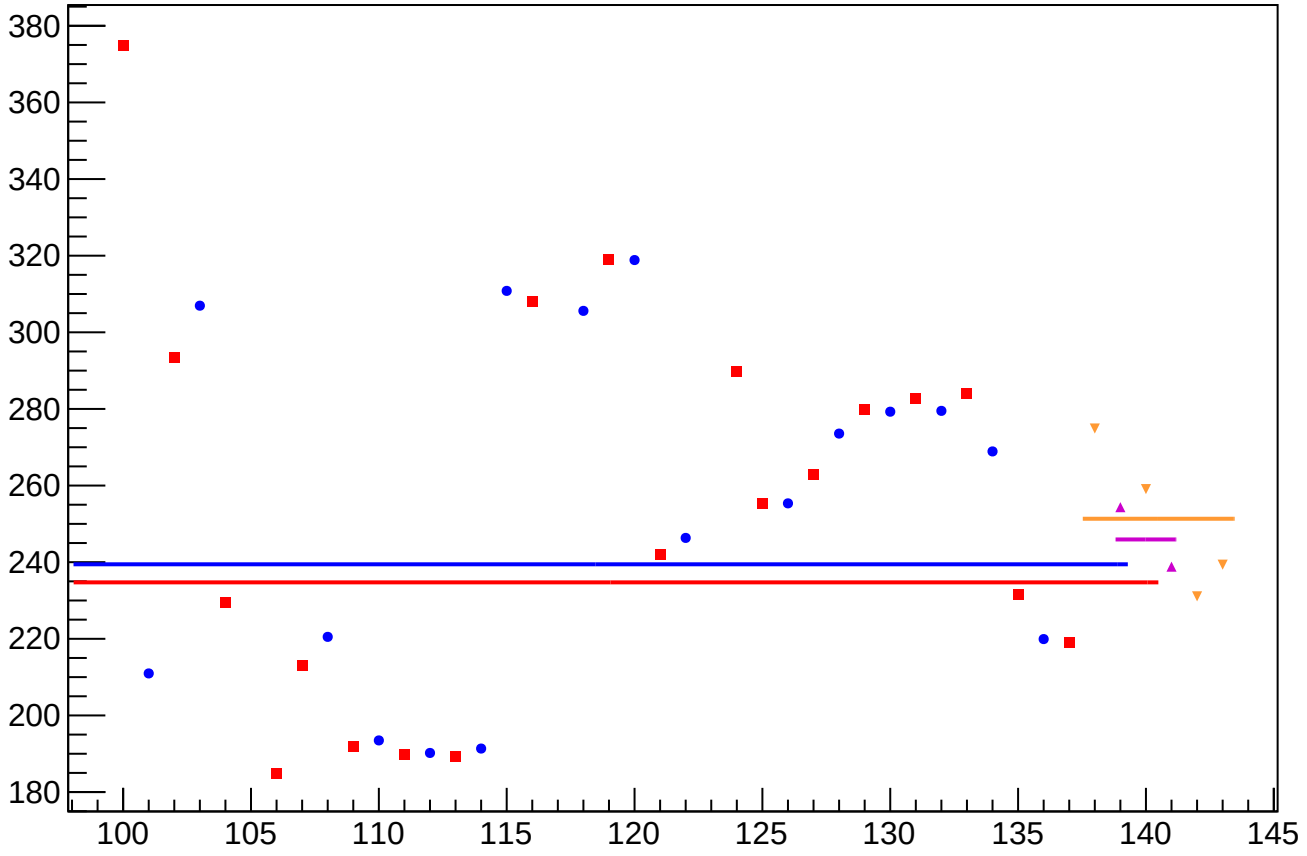
Left In: -119.738+/-187.399 χ^2/NDF:0.3/1

+ sign 107.428+/-77.419 χ^2/NDF: 28.4/19

All: -45.149+/-55.497 χ^2/NDF: 48.4/40

- sign -206.432+/-79.597 χ^2/NDF: 11.9/20

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.336+/-0.105 χ^2/NDF:23686.0/3

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

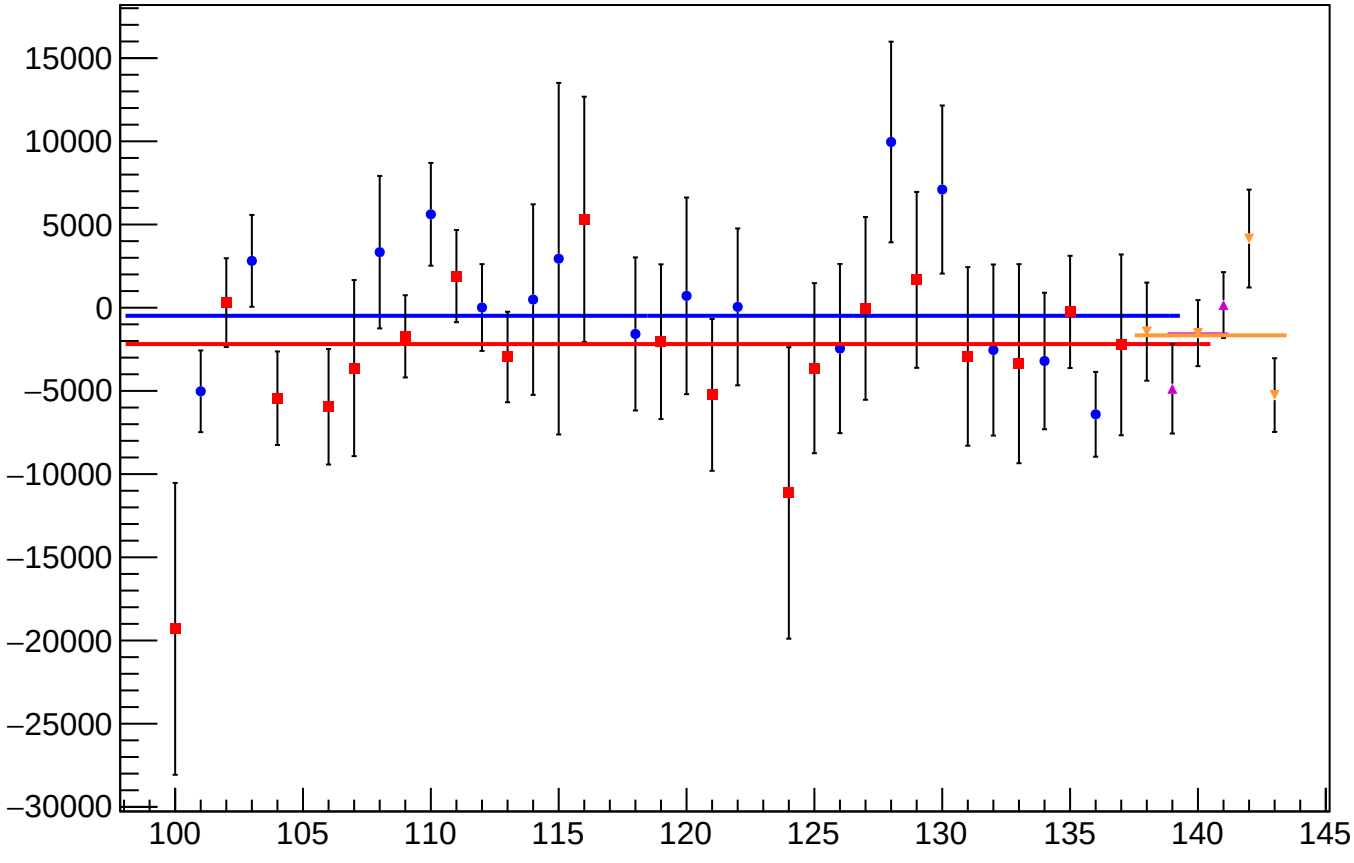
Left In: 245.933+/-0.133 χ^2/NDF:3406.3/1

+ sign 242.660+/-0.055 χ^2/NDF: 433940.1/19

All: 239.788+/-0.039 χ^2/NDF: 934098.8/40

- sign 236.753+/-0.056 χ^2/NDF: 494499.5/20

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1660.411+/-1205.405 χ^2/NDF:6.5/3

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

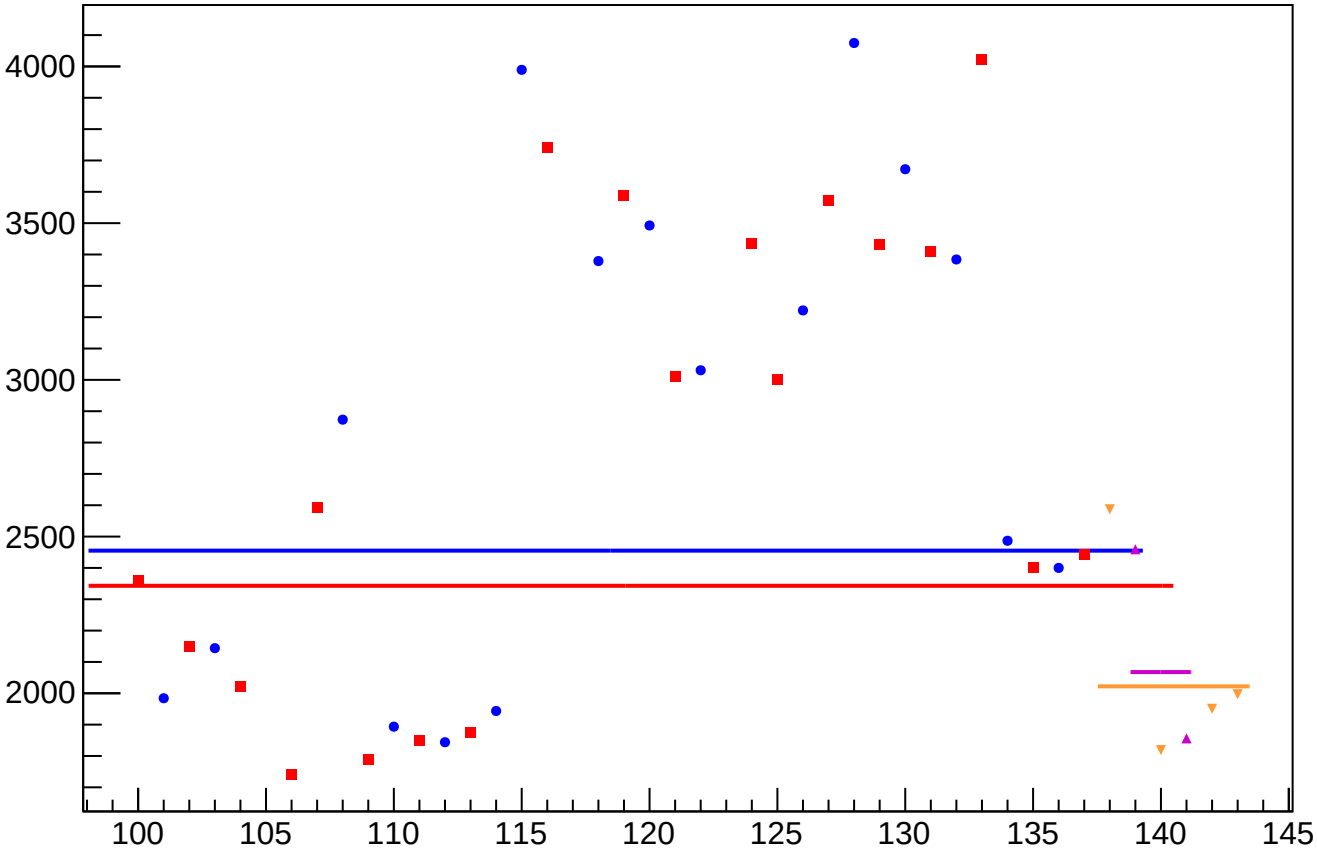
Left In: -1603.102+/-1593.240 χ^2/NDF:2.3/1

+ sign -934.553+/-744.902 χ^2/NDF: 28.3/19

All: -1463.648+/-538.996 χ^2/NDF: 44.9/40

- sign -2045.091+/-780.882 χ^2/NDF: 15.6/20

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2022.092+/-0.852 χ^2/NDF:95914.0/3

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

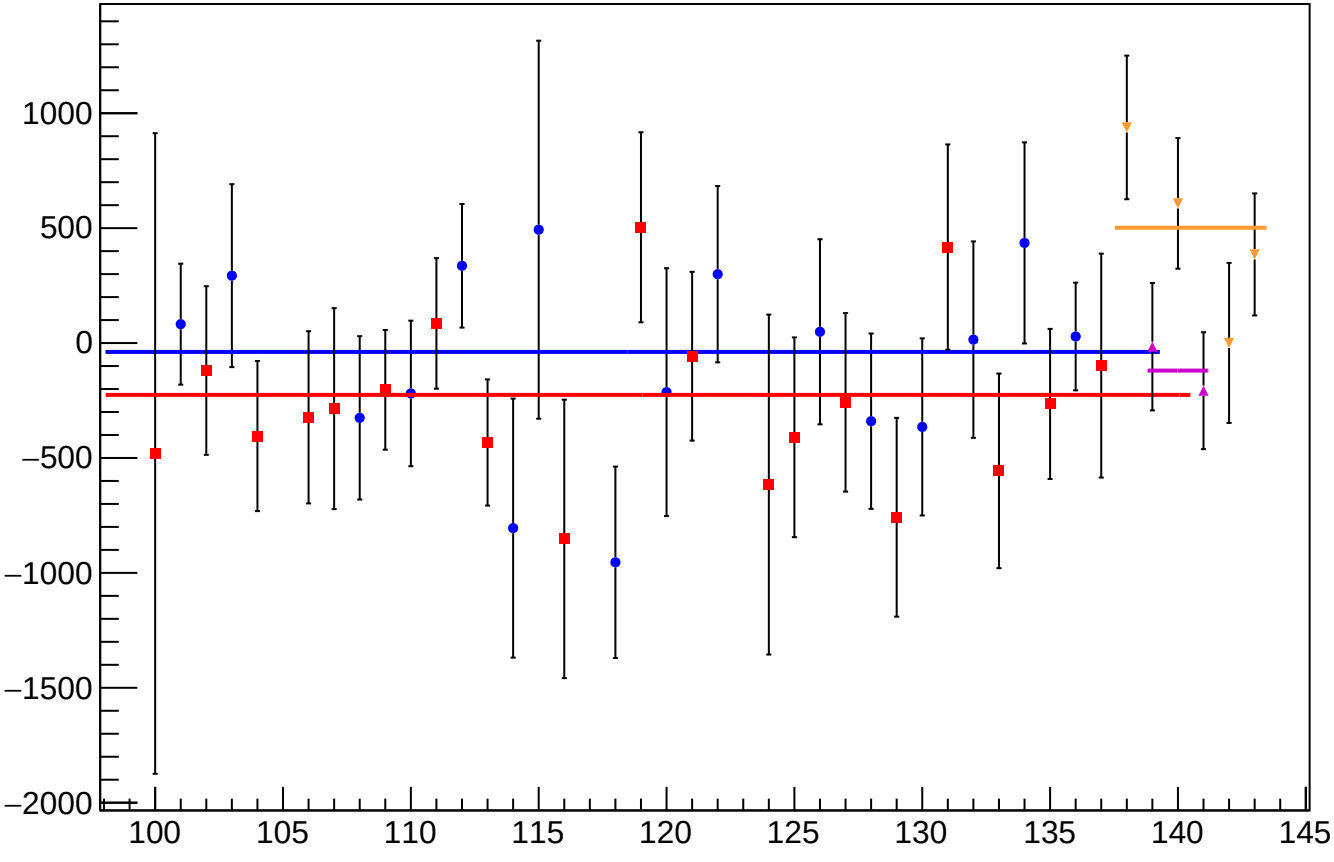
Left In: 2067.688+/-1.127 χ^2/NDF:65303.5/1

+ sign 2289.758+/-0.527 χ^2/NDF: 1149816.4/19

All: 2283.599+/-0.381 χ^2/NDF: 2331153.9/40

- sign 2276.831+/-0.552 χ^2/NDF: 1181050.5/20

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.815+/-148.964 χ^2/NDF:4.4/3

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

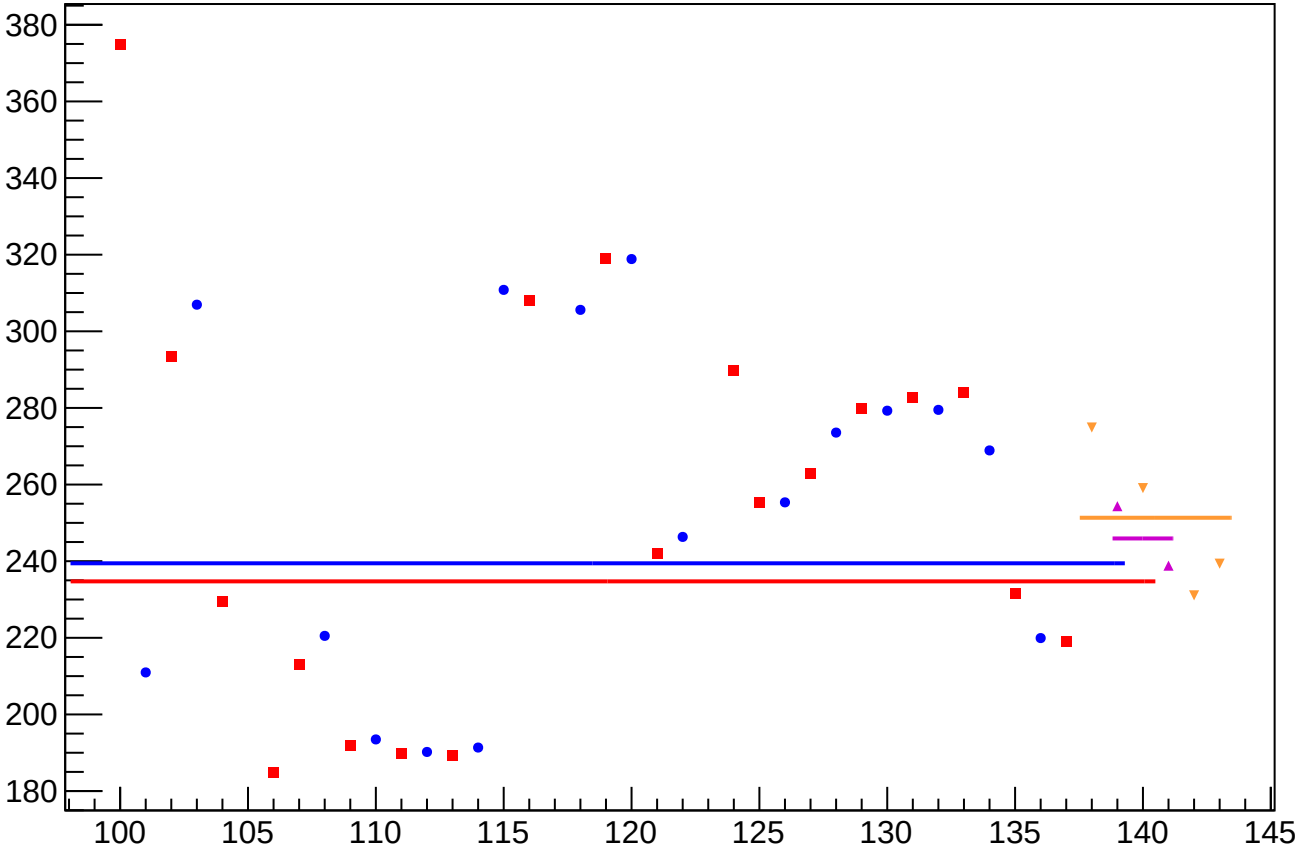
Left In: -119.738+/-187.399 χ^2/NDF:0.3/1

+ sign 107.428+/-77.419 χ^2/NDF: 28.4/19

All: -45.149+/-55.497 χ^2/NDF: 48.4/40

- sign -206.432+/-79.597 χ^2/NDF: 11.9/20

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.336+/-0.105 χ^2/NDF:23686.0/3

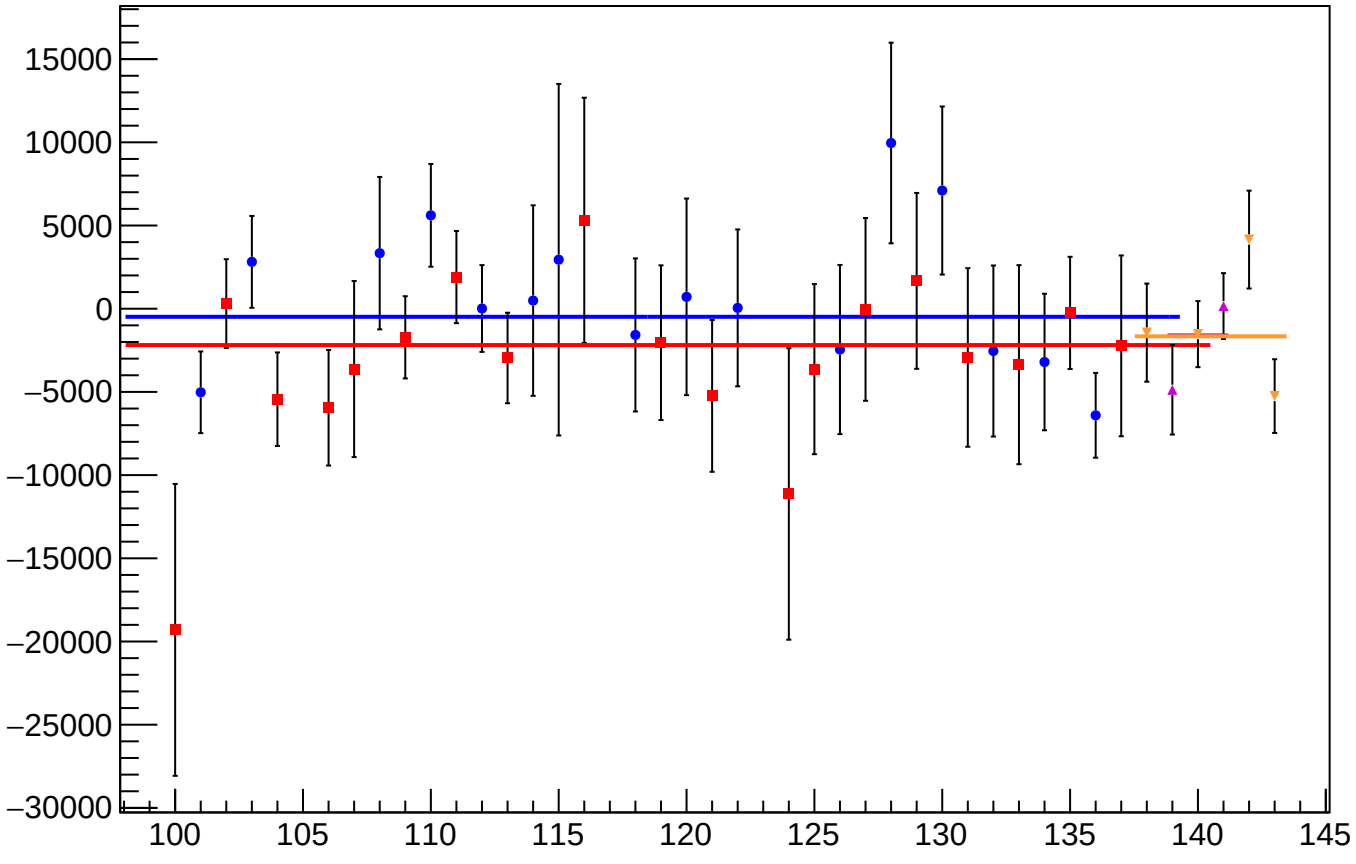
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 245.933+/-0.133 χ^2/NDF:3406.3/1

+ sign 242.660+/-0.055 χ^2/NDF: 433940.1/19

All: 239.788+/-0.039 χ^2/NDF: 934098.8/40

- sign 236.753+/-0.056 χ^2/NDF: 494499.5/20



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1660.411+/-1205.405 χ^2/NDF:6.5/3

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

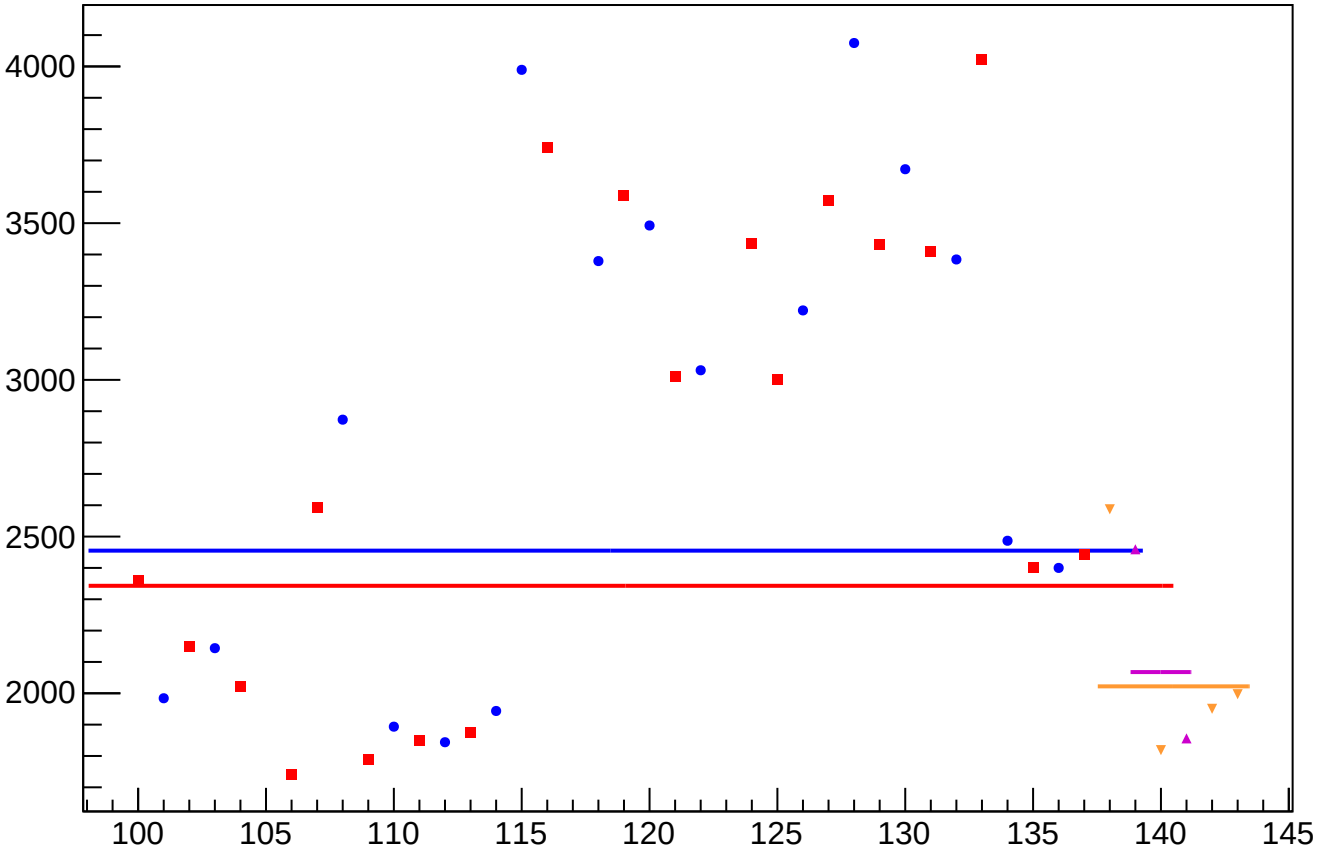
Left In: -1603.102+/-1593.240 χ^2/NDF:2.3/1

+ sign -934.553+/-744.902 χ^2/NDF: 28.3/19

All: -1463.648+/-538.996 χ^2/NDF: 44.9/40

- sign -2045.091+/-780.882 χ^2/NDF: 15.6/20

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2022.092+/-0.852 χ^2/NDF:95914.0/3

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

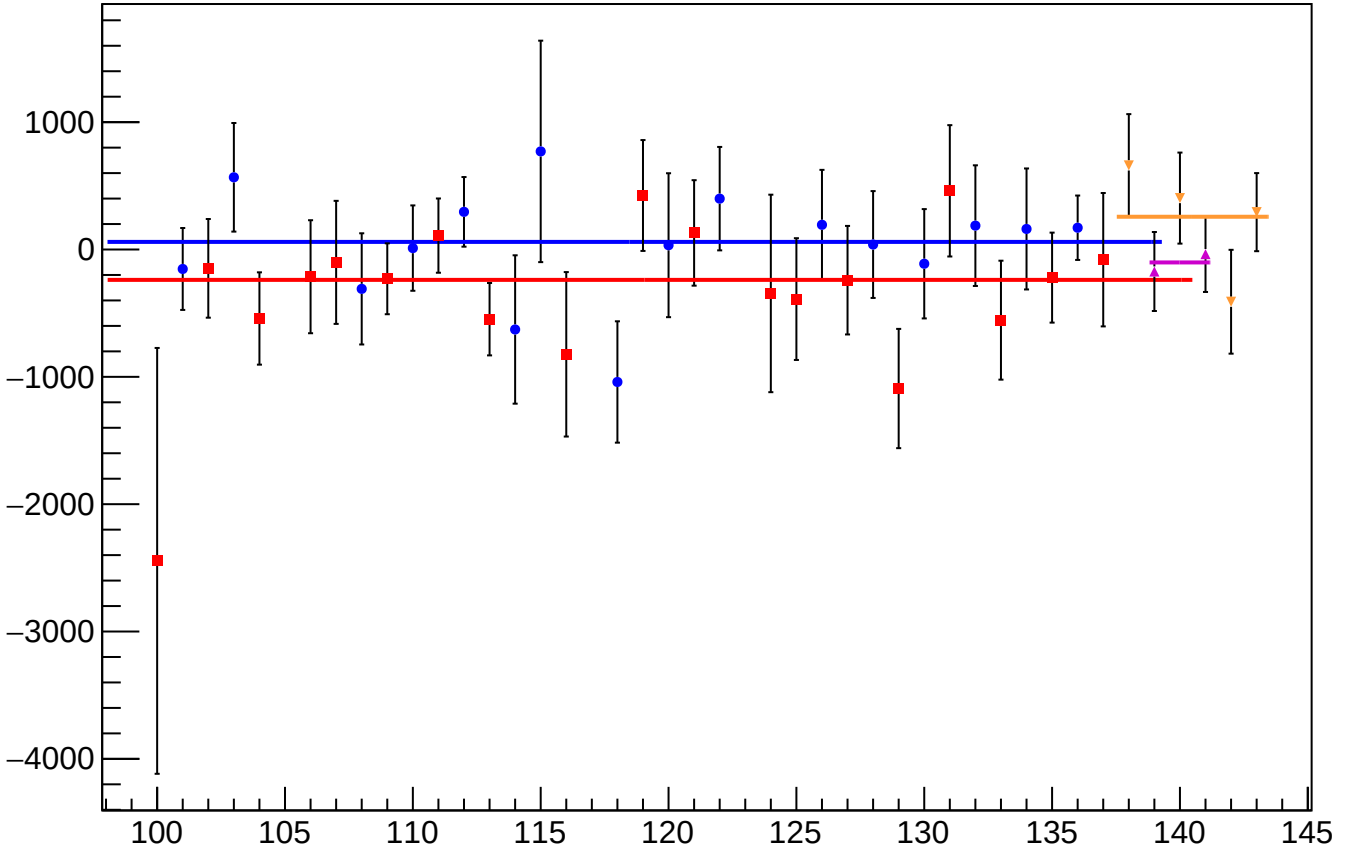
Left In: 2067.688+/-1.127 χ^2/NDF:65303.5/1

+ sign 2289.758+/-0.527 χ^2/NDF: 1149816.4/19

All: 2283.599+/-0.381 χ^2/NDF: 2331153.9/40

- sign 2276.831+/-0.552 χ^2/NDF: 1181050.5/20

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 257.270+/-180.650 χ^2/NDF:3.9/3

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

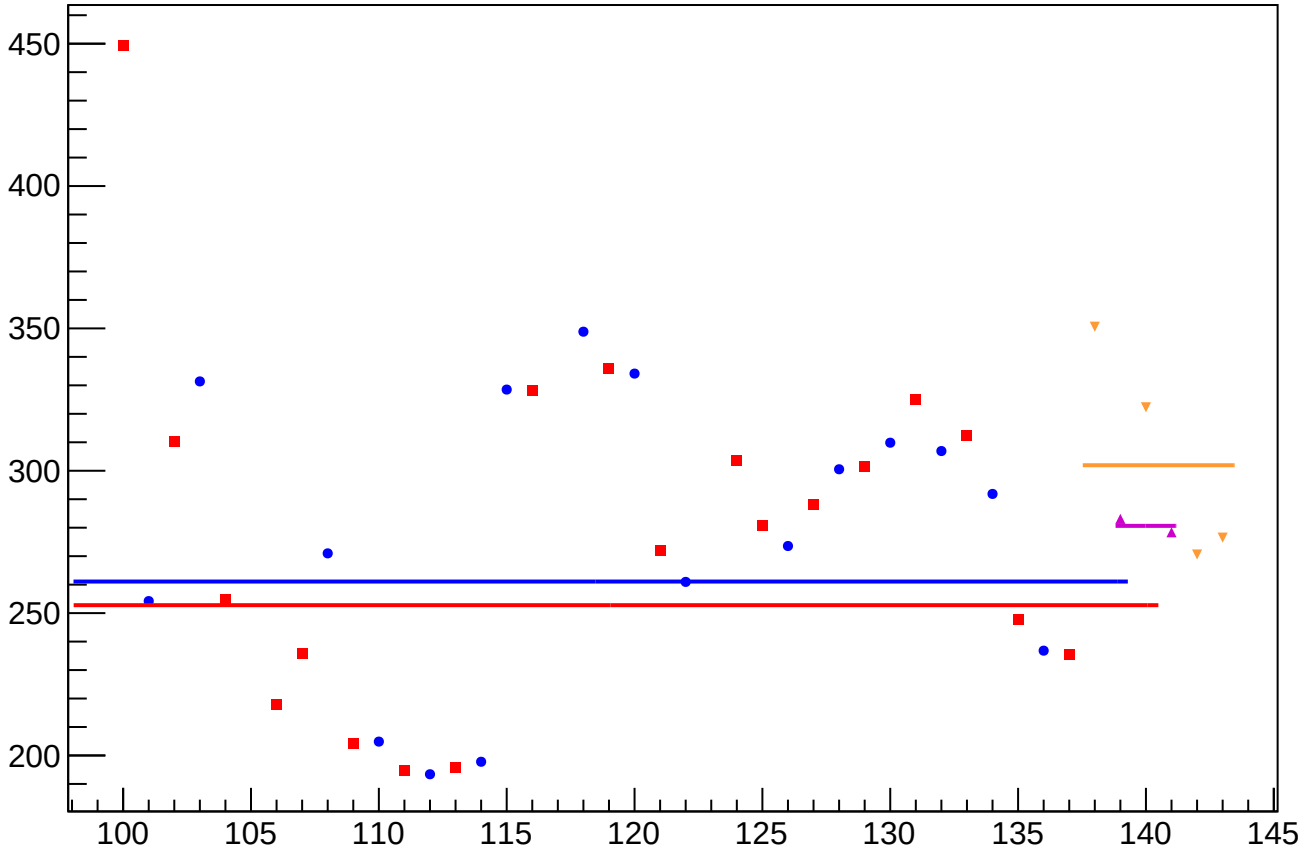
Left In: -101.581+/-214.611 χ^2/NDF:0.1/1

+ sign 105.516+/-86.972 χ^2/NDF: 16.8/19

All: -55.372+/-61.479 χ^2/NDF: 39.0/40

- sign -216.055+/-86.917 χ^2/NDF: 15.4/20

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 301.941+/-0.128 χ^2/NDF:61254.9/3

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

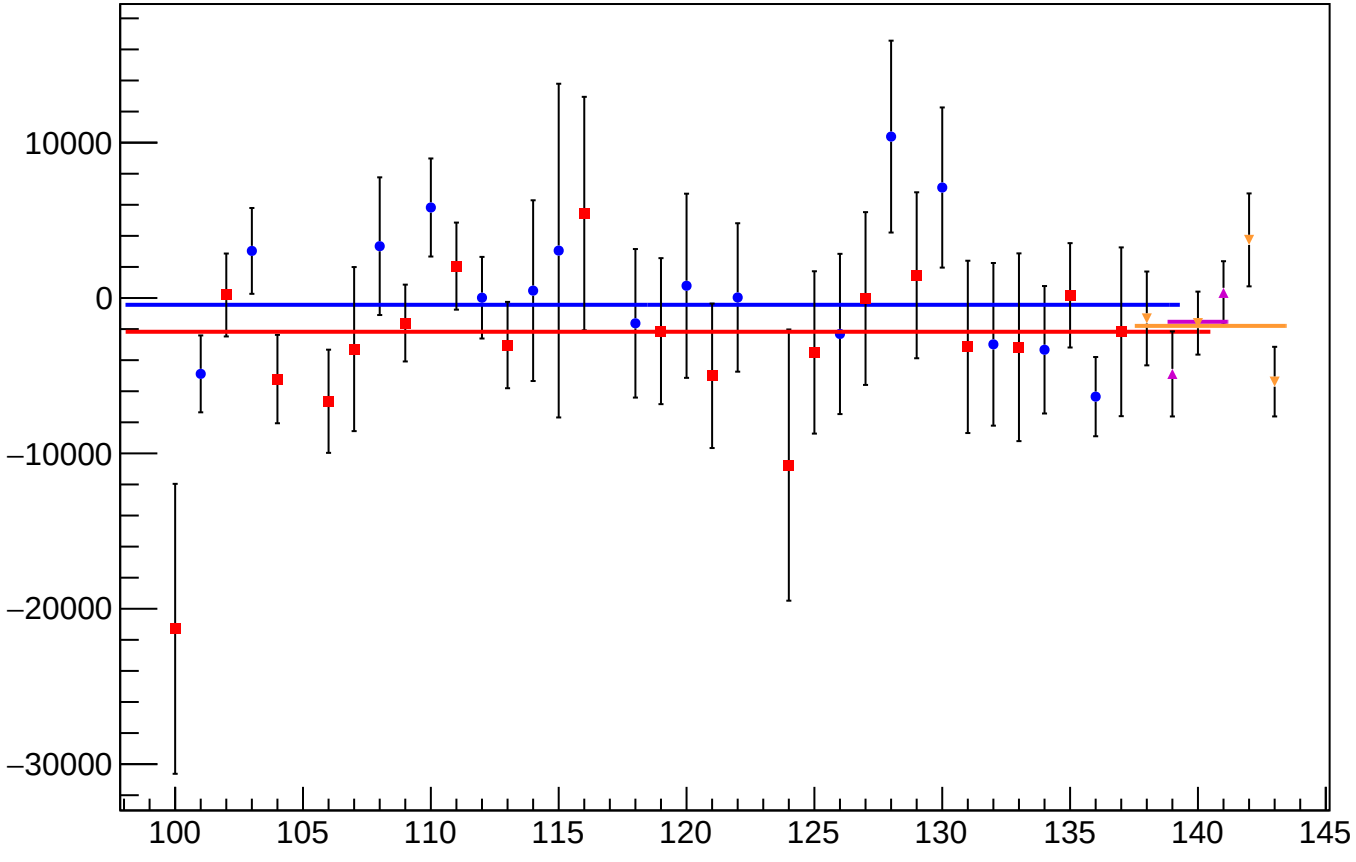
Left In: 280.649+/-0.152 χ^2/NDF:240.1/1

+ sign 270.558+/-0.061 χ^2/NDF: 602487.8/19

All: 263.953+/-0.043 χ^2/NDF: 1191250.2/40

- sign 257.357+/-0.061 χ^2/NDF: 565710.4/20

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -1793.669+/-1227.191 χ^2/NDF:6.0/3

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

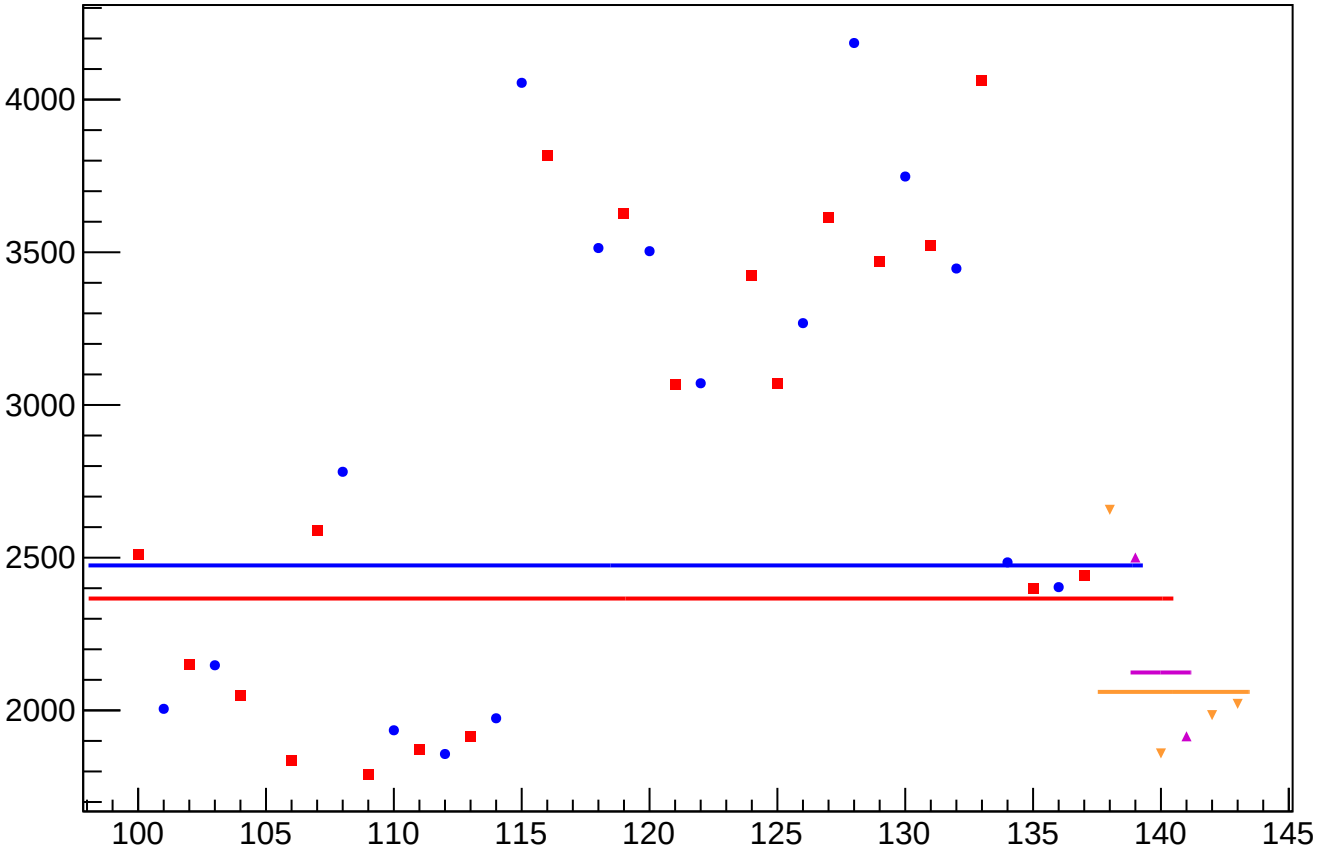
Left In: -1530.235+/-1634.774 χ^2/NDF:2.3/1

+ sign -948.629+/-753.743 χ^2/NDF: 28.0/19

All: -1460.938+/-545.066 χ^2/NDF: 45.4/40

- sign -2022.519+/-789.157 χ^2/NDF: 16.4/20

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2060.548+/-0.868 χ^2/NDF:99630.7/3

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

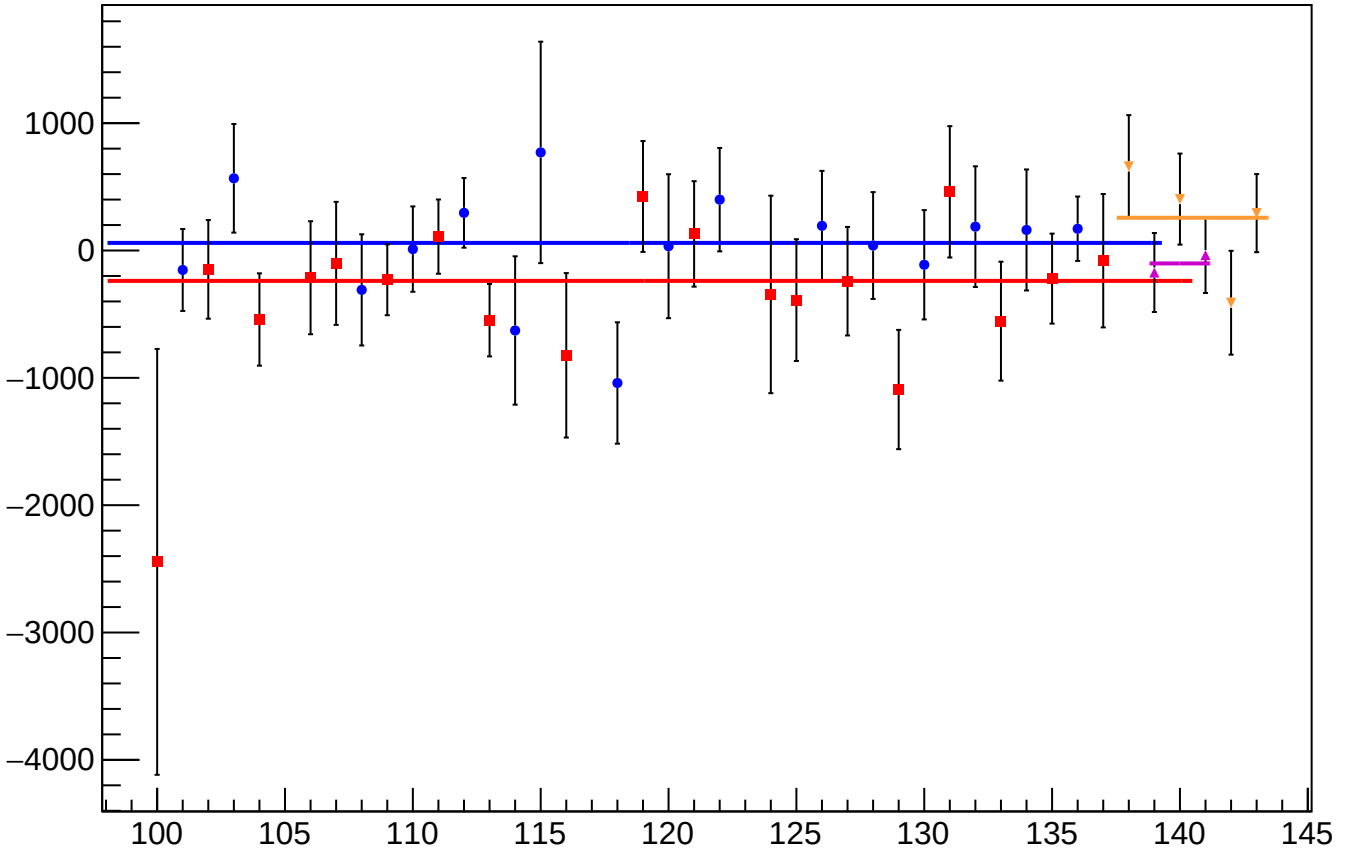
Left In: 2124.080+/-1.156 χ^2/NDF:58876.3/1

+ sign 2318.415+/-0.533 χ^2/NDF: 1157682.4/19

All: 2314.303+/-0.385 χ^2/NDF: 2327512.4/40

- sign 2309.795+/-0.558 χ^2/NDF: 1169705.3/20

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 257.274+/-180.650 χ^2/NDF:3.9/3

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

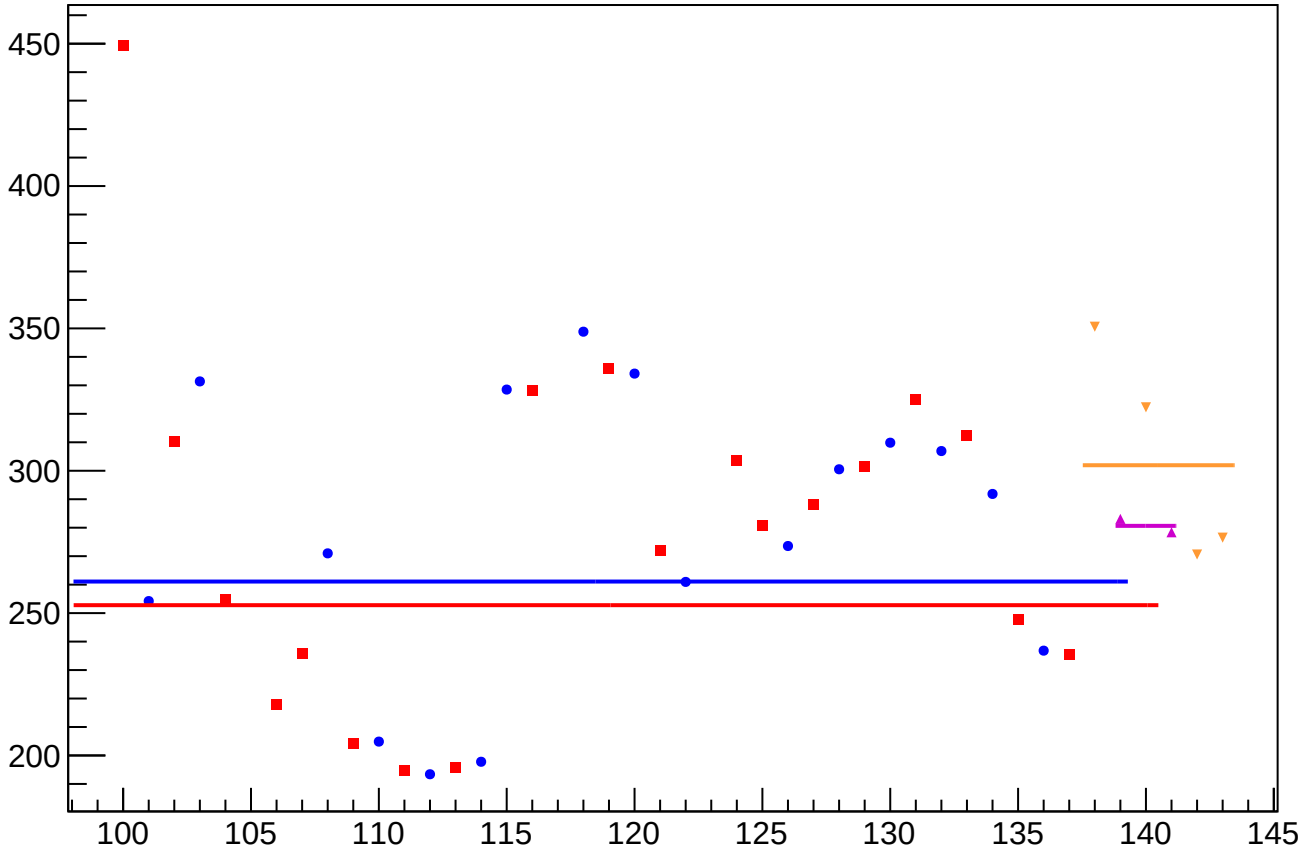
Left In: -101.578+/-214.611 χ^2/NDF:0.1/1

+ sign 105.521+/-86.973 χ^2/NDF: 16.8/19

All: -55.370+/-61.479 χ^2/NDF: 39.0/40

- sign -216.054+/-86.917 χ^2/NDF: 15.4/20

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 301.941+/-0.128 χ^2/NDF:61253.2/3

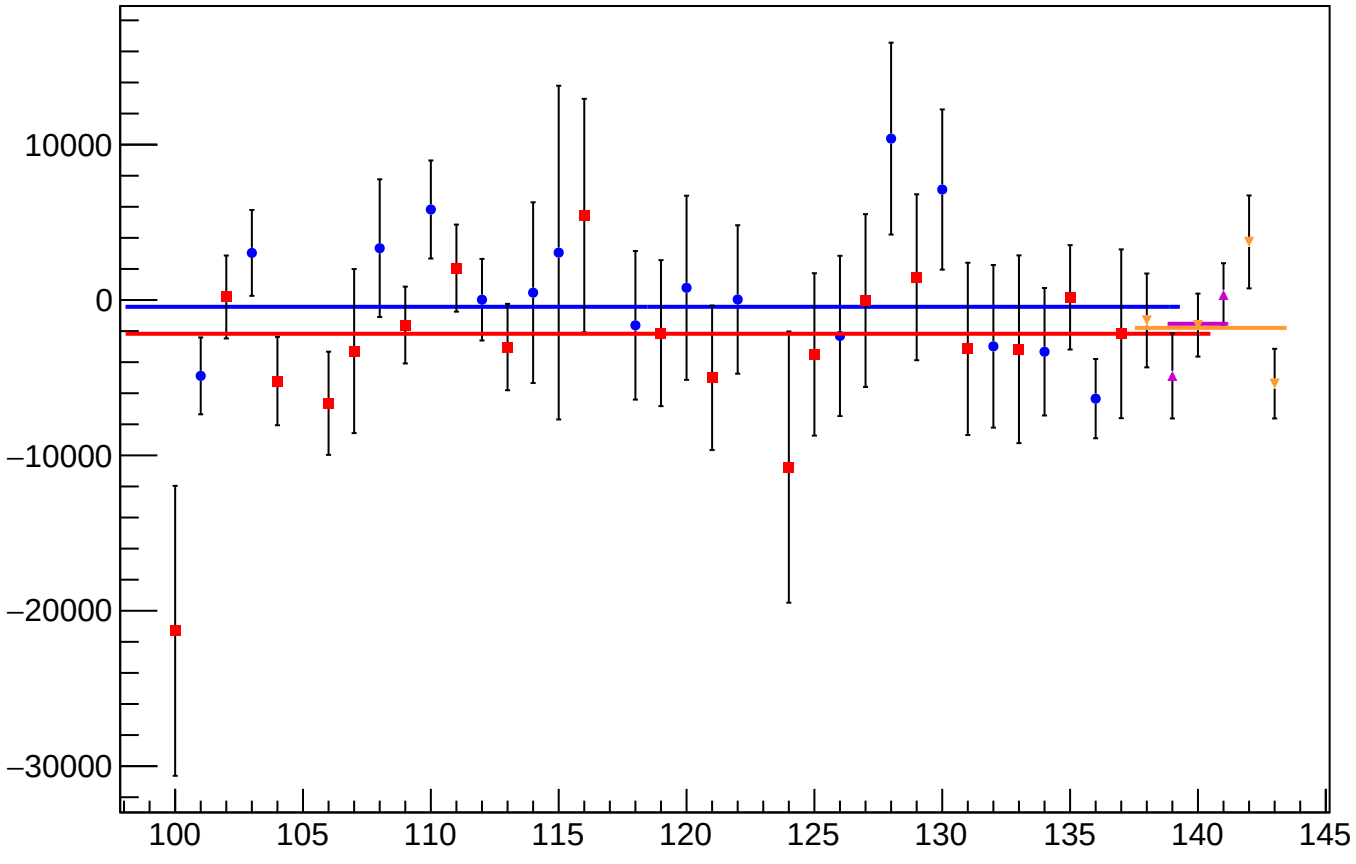
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 280.649+/-0.152 χ^2/NDF:240.0/1

+ sign 270.558+/-0.061 χ^2/NDF: 602490.0/19

All: 263.953+/-0.043 χ^2/NDF: 1191255.9/40

- sign 257.357+/-0.061 χ^2/NDF: 565713.3/20



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -1793.669+/-1227.189 χ^2/NDF:6.0/3

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

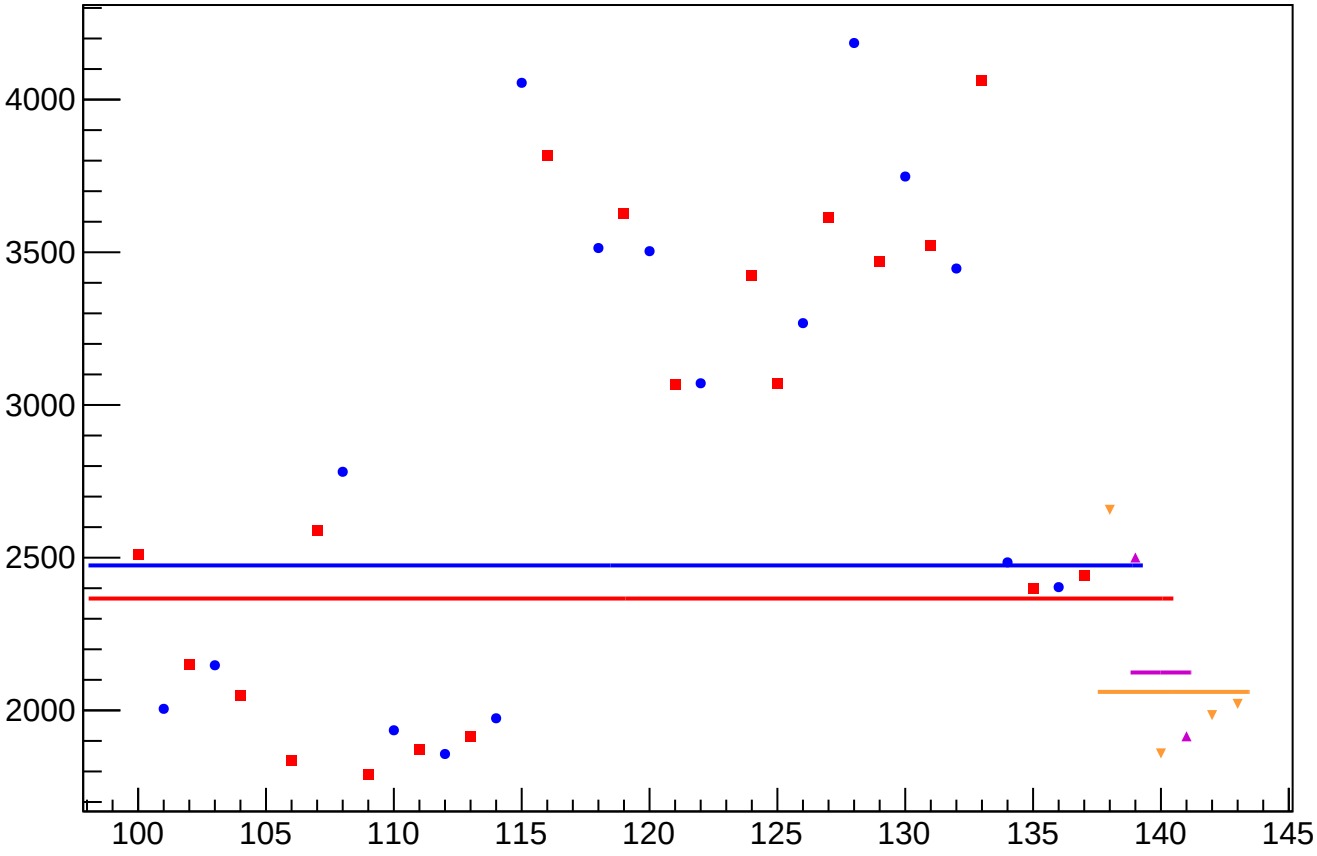
Left In: -1530.234+/-1634.771 χ^2/NDF:2.3/1

+ sign -948.628+/-753.742 χ^2/NDF: 28.0/19

All: -1460.937+/-545.066 χ^2/NDF: 45.4/40

- sign -2022.518+/-789.156 χ^2/NDF: 16.4/20

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2060.546+/-0.868 χ^2/NDF:99630.3/3

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

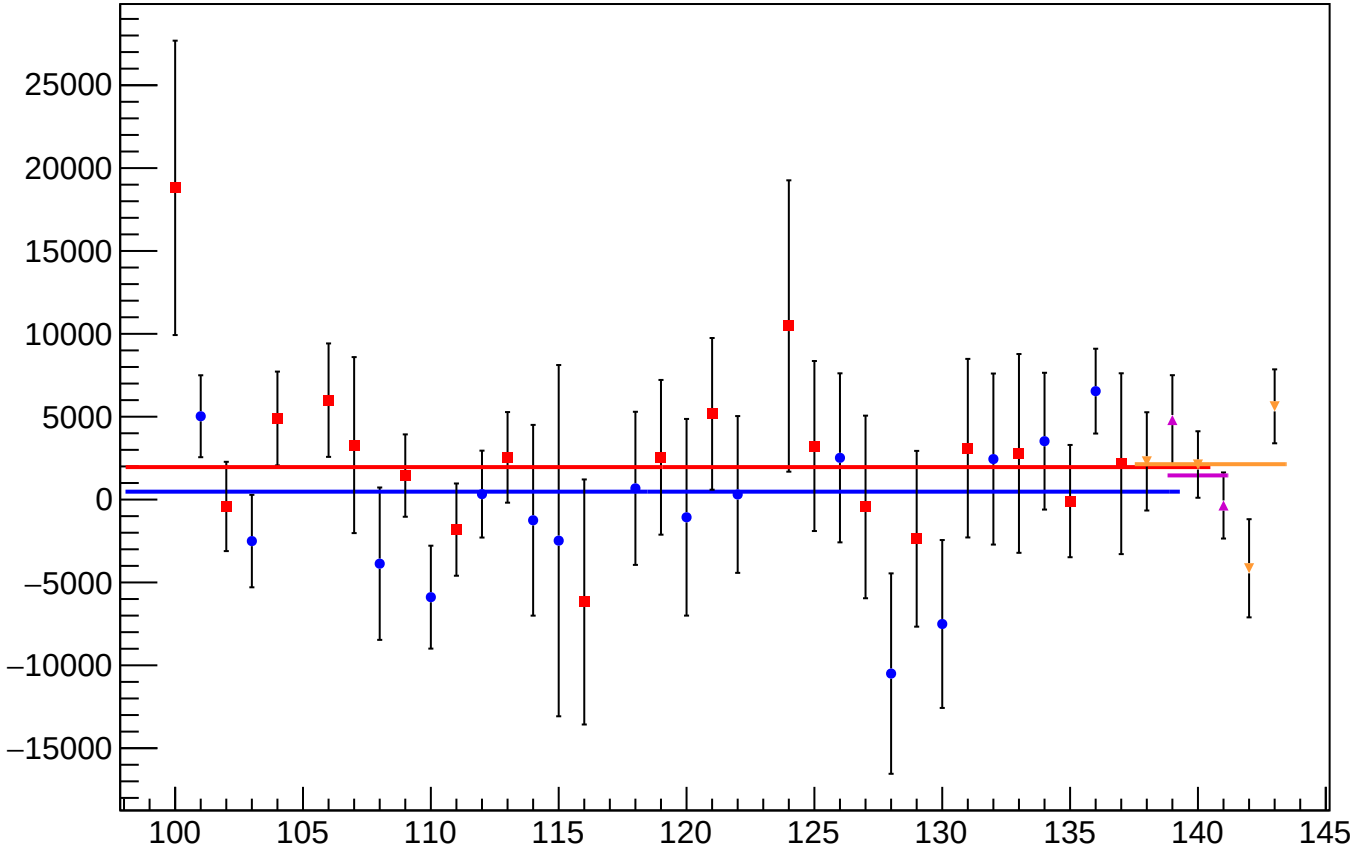
Left In: 2124.076+/-1.156 χ^2/NDF:58877.0/1

+ sign 2318.413+/-0.533 χ^2/NDF: 1157685.8/19

All: 2314.301+/-0.385 χ^2/NDF: 2327519.7/40

- sign 2309.793+/-0.558 χ^2/NDF: 1169709.1/20

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2135.176+/-1215.249 χ^2/NDF:6.9/3

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

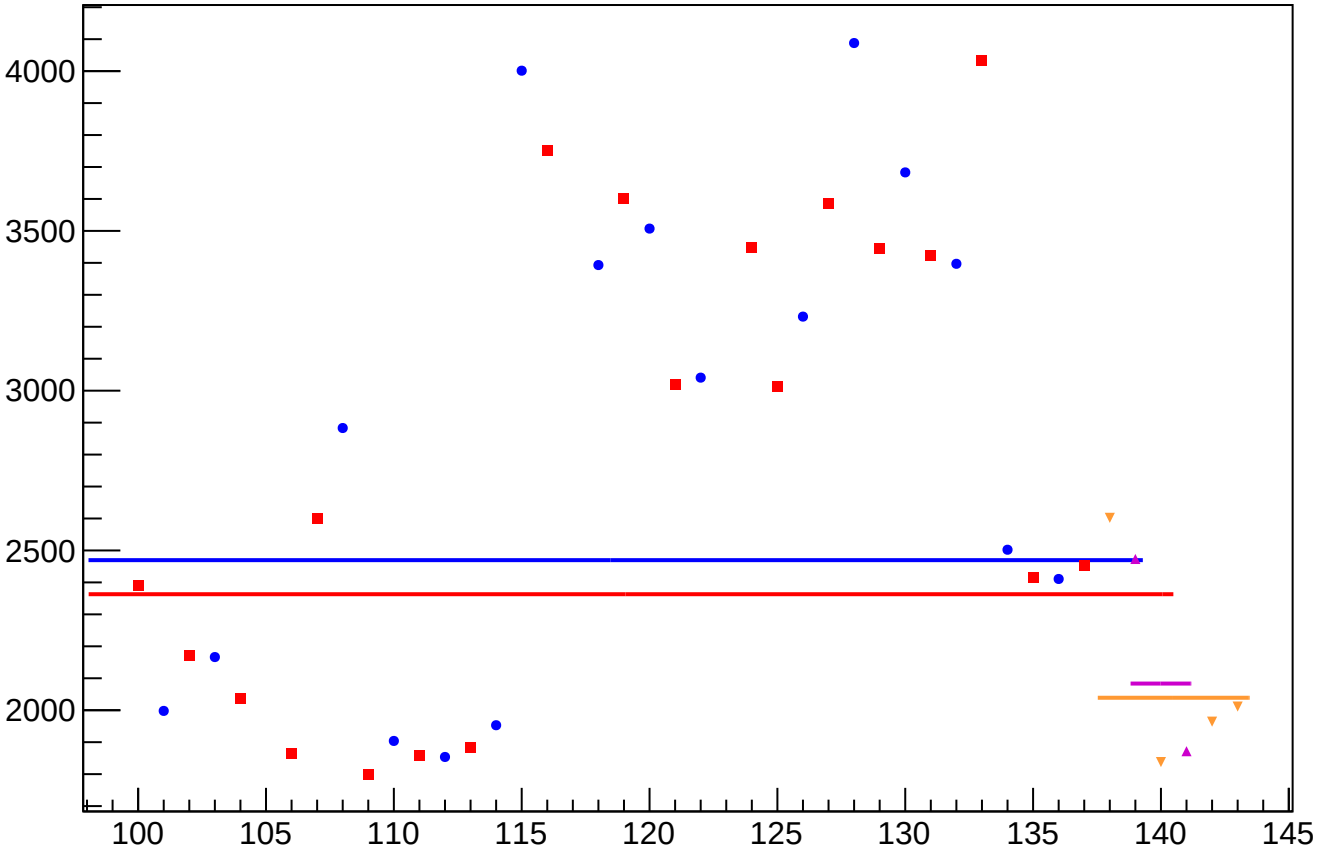
Left In: 1457.373+/-1604.971 χ^2/NDF:2.4/1

+ sign 1108.396+/-749.791 χ^2/NDF: 30.2/19

All: 1457.244+/-542.138 χ^2/NDF: 45.9/40

- sign 1839.432+/-784.804 χ^2/NDF: 15.3/20

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2039.022+/-0.859 χ^2/NDF:93851.4/3

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

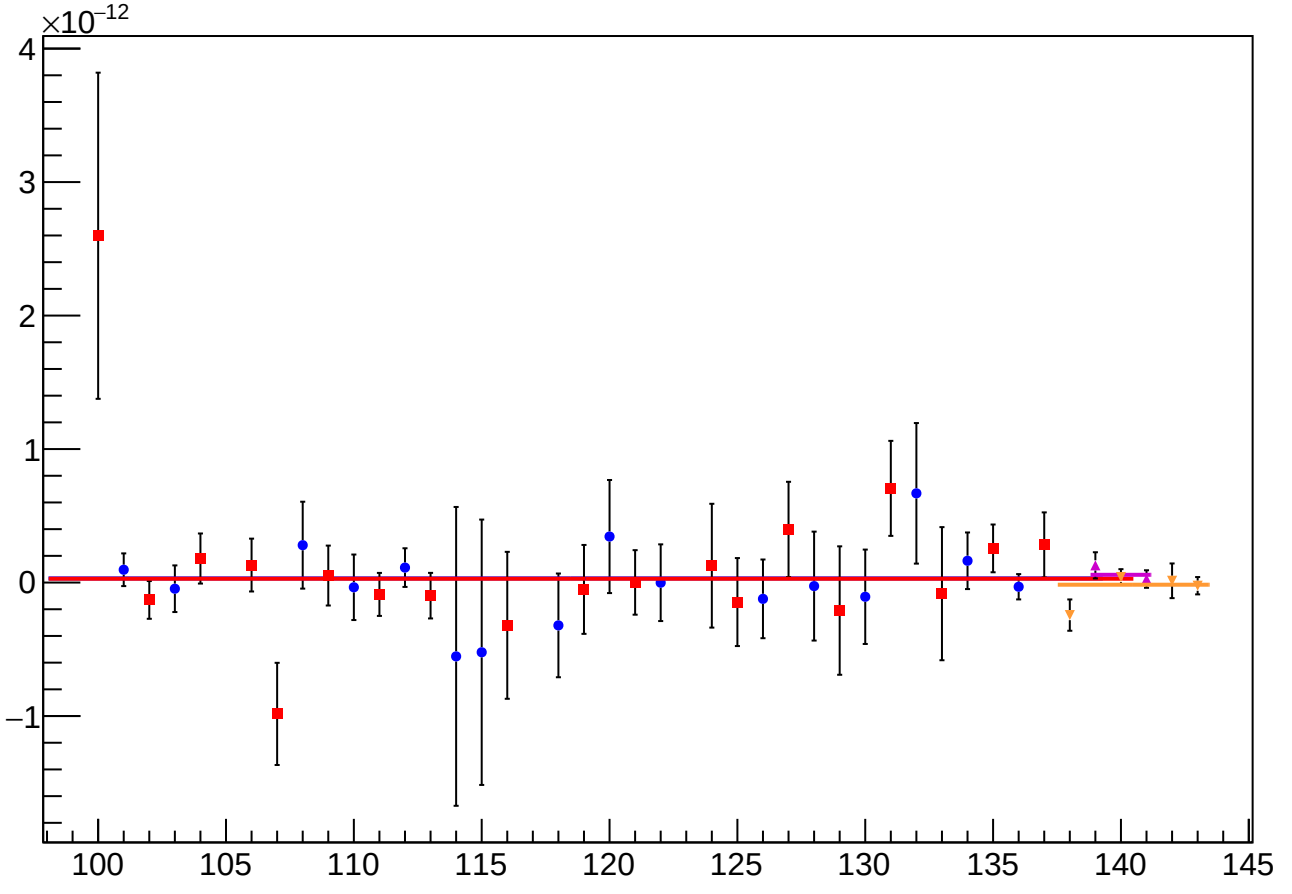
Left In: 2083.423+/-1.135 χ^2/NDF:64087.5/1

+ sign 2305.715+/-0.530 χ^2/NDF: 1135556.7/19

All: 2301.171+/-0.383 χ^2/NDF: 2289336.5/40

- sign 2296.192+/-0.555 χ^2/NDF: 1153625.9/20

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:4.8/3

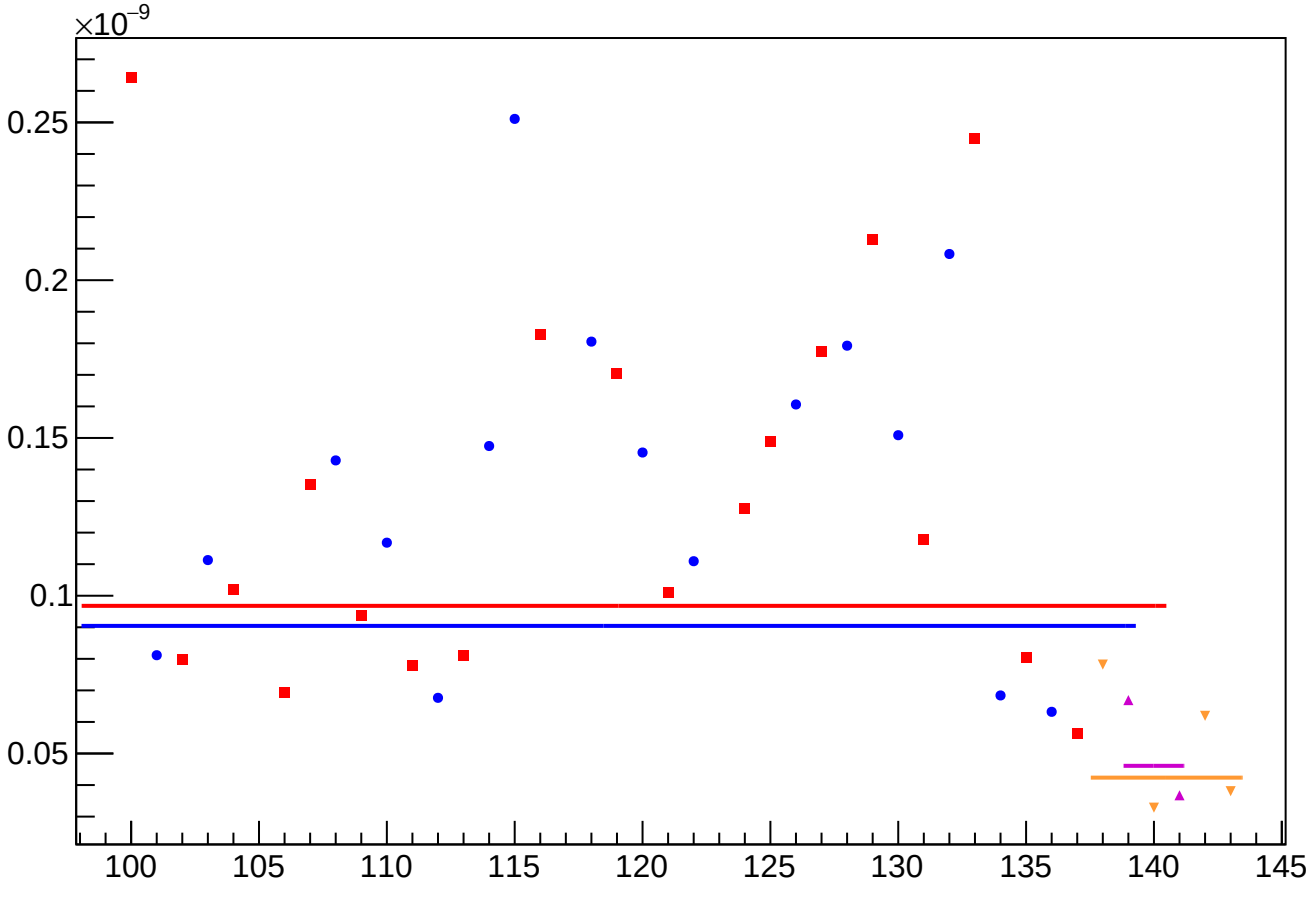
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 11.4/19

All: 0.000+/-0.000 χ^2/NDF: 36.3/40

- sign 0.000+/-0.000 χ^2/NDF: 24.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:293087.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

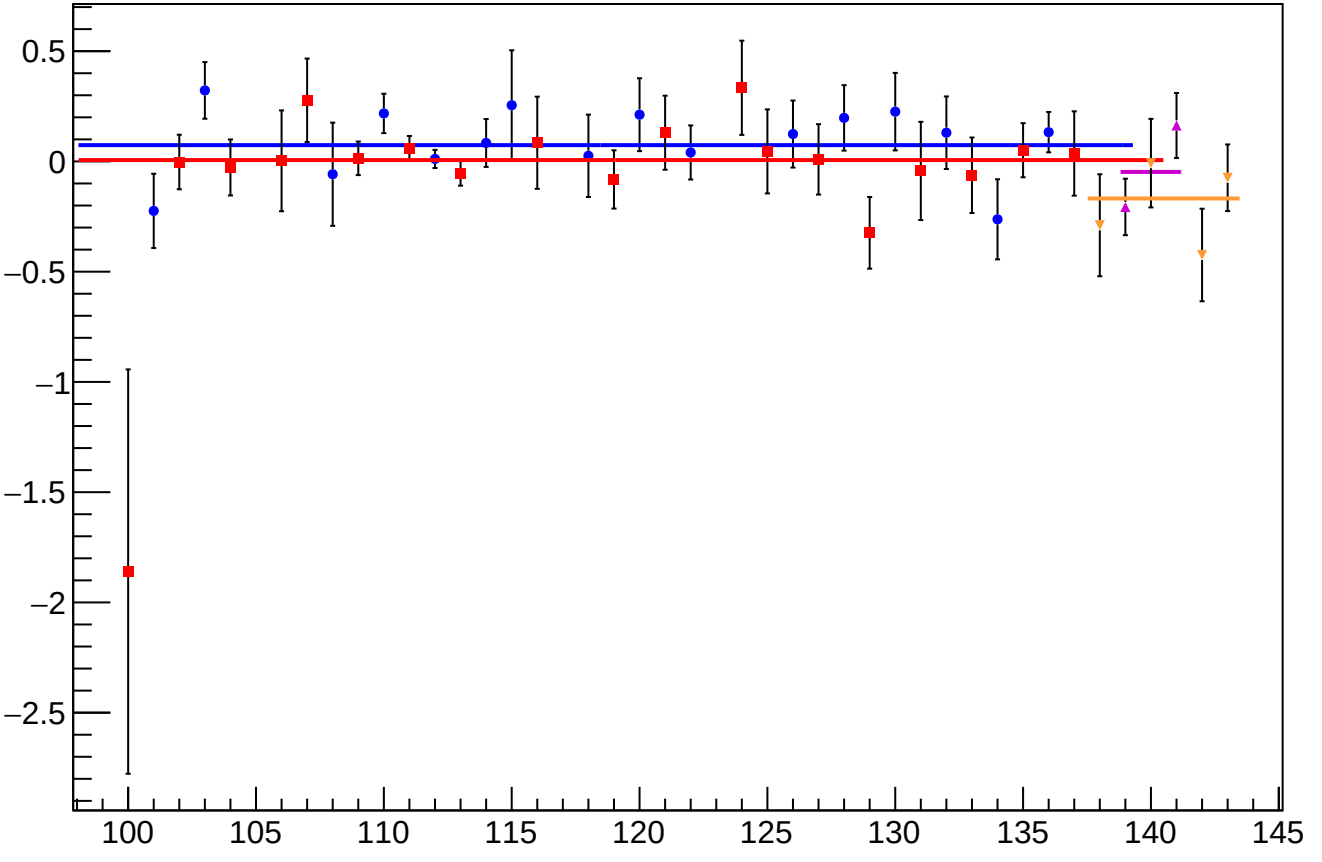
Left In: 0.000+/-0.000 χ^2/NDF:130617.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 2299382.1/19

All: 0.000+/-0.000 χ^2/NDF: 4227027.4/40

- sign 0.000+/-0.000 χ^2/NDF: 1824159.5/20

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

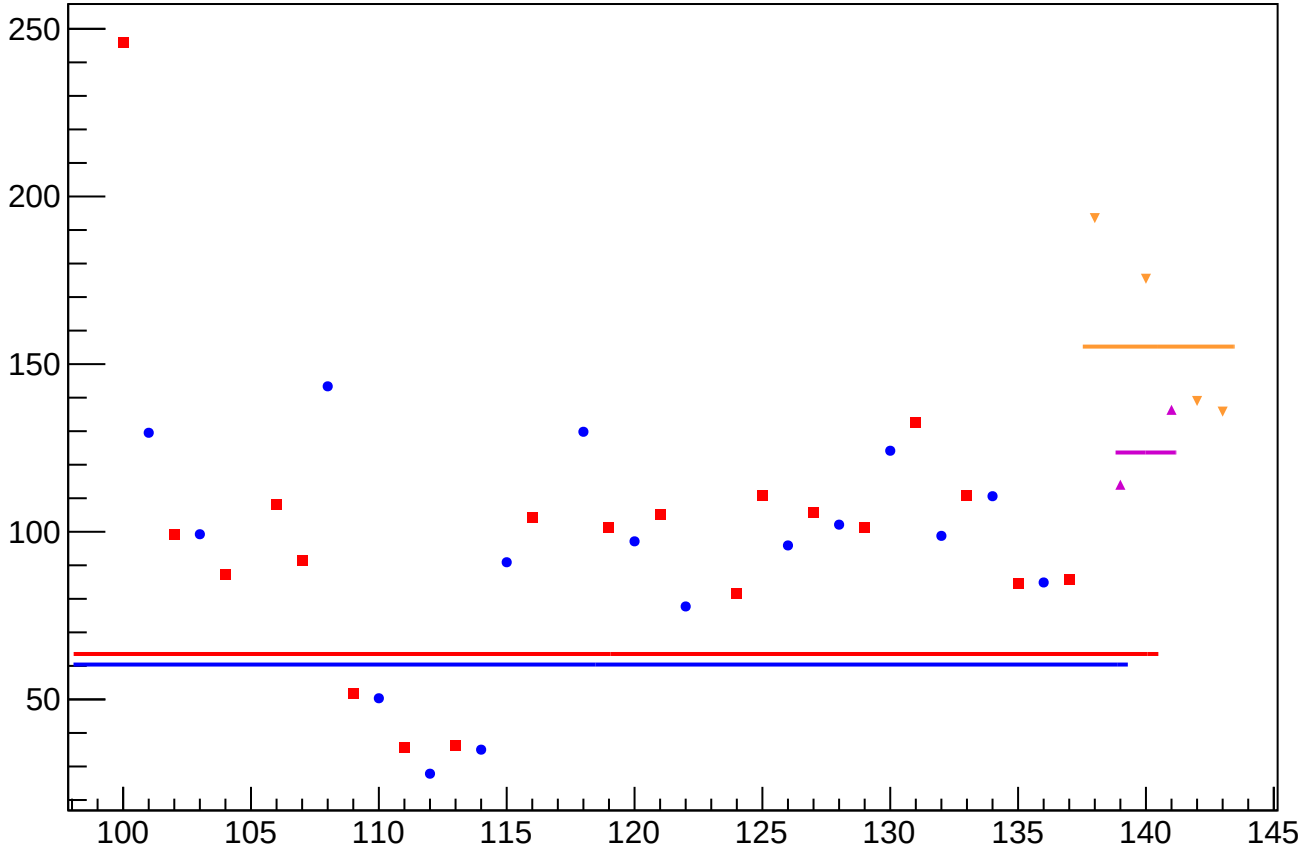
Left In: -0.048+/-0.097 χ^2/NDF:3.6/1

+ sign 0.056+/-0.026 χ^2/NDF: 27.7/19

All: 0.029+/-0.018 χ^2/NDF: 50.2/40

- sign 0.002+/-0.026 χ^2/NDF: 20.3/20

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 155.229+/-0.067 χ^2/NDF:120125.2/3

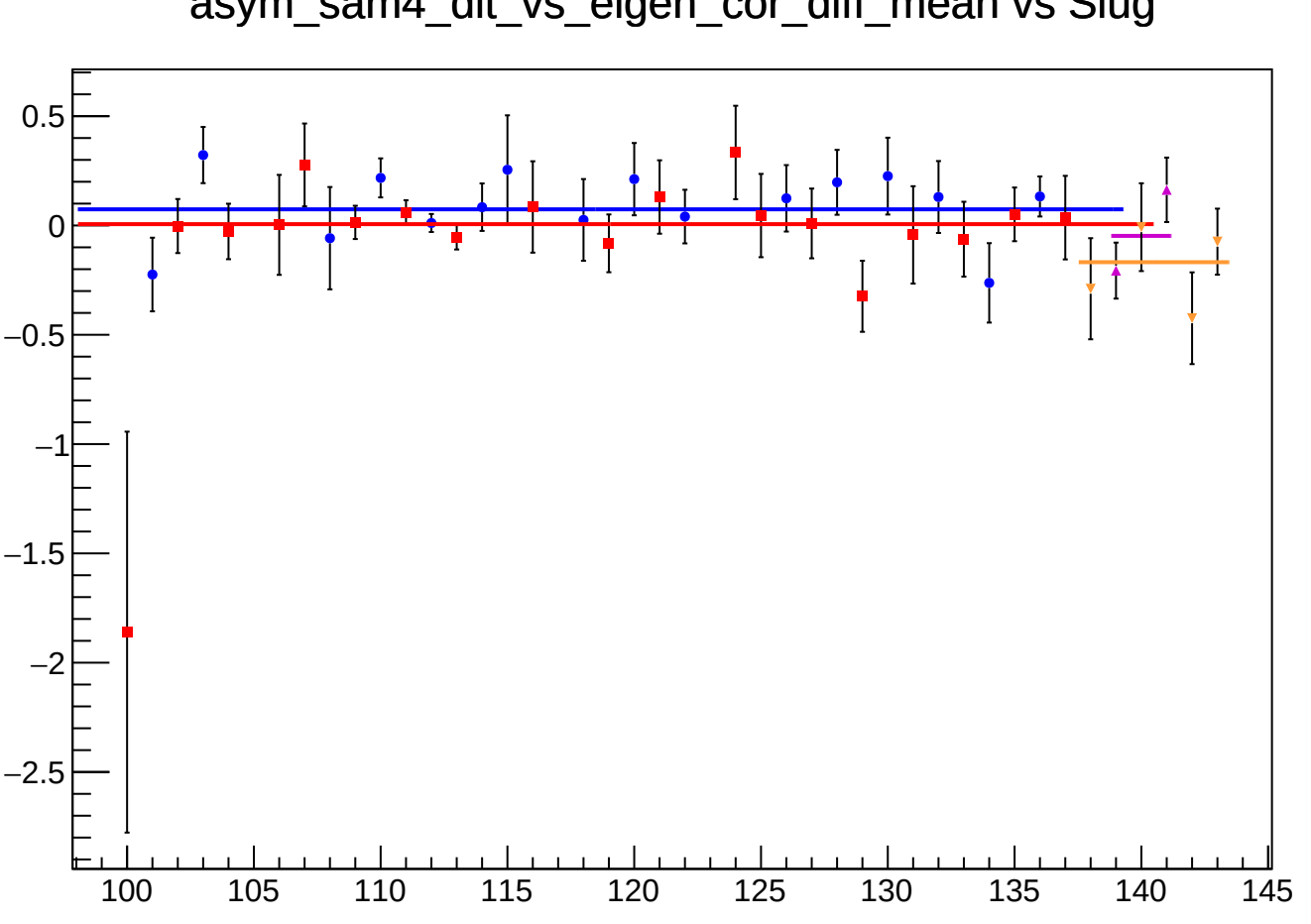
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 123.642+/-0.068 χ^2/NDF:26197.1/1

+ sign 67.448+/-0.018 χ^2/NDF: 5490047.8/19

All: 67.651+/-0.013 χ^2/NDF: 8888735.3/40

- sign 67.852+/-0.018 χ^2/NDF: 3398445.1/20



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

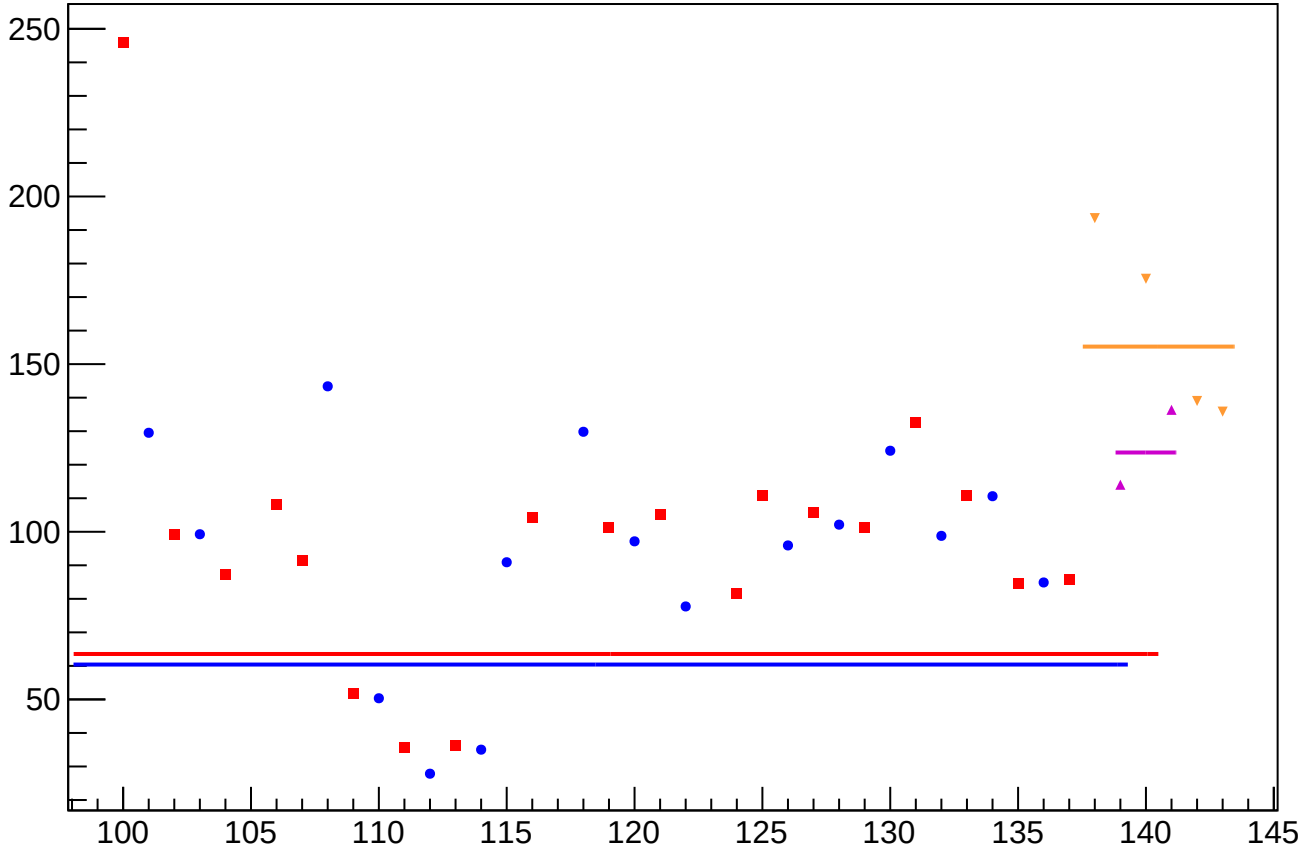
Left In: -0.048+/-0.097 χ^2/NDF:3.6/1

+ sign 0.056+/-0.026 χ^2/NDF: 27.7/19

All: 0.029+/-0.018 χ^2/NDF: 50.2/40

- sign 0.002+/-0.026 χ^2/NDF: 20.3/20

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 155.229+/-0.067 χ^2/NDF:120125.2/3

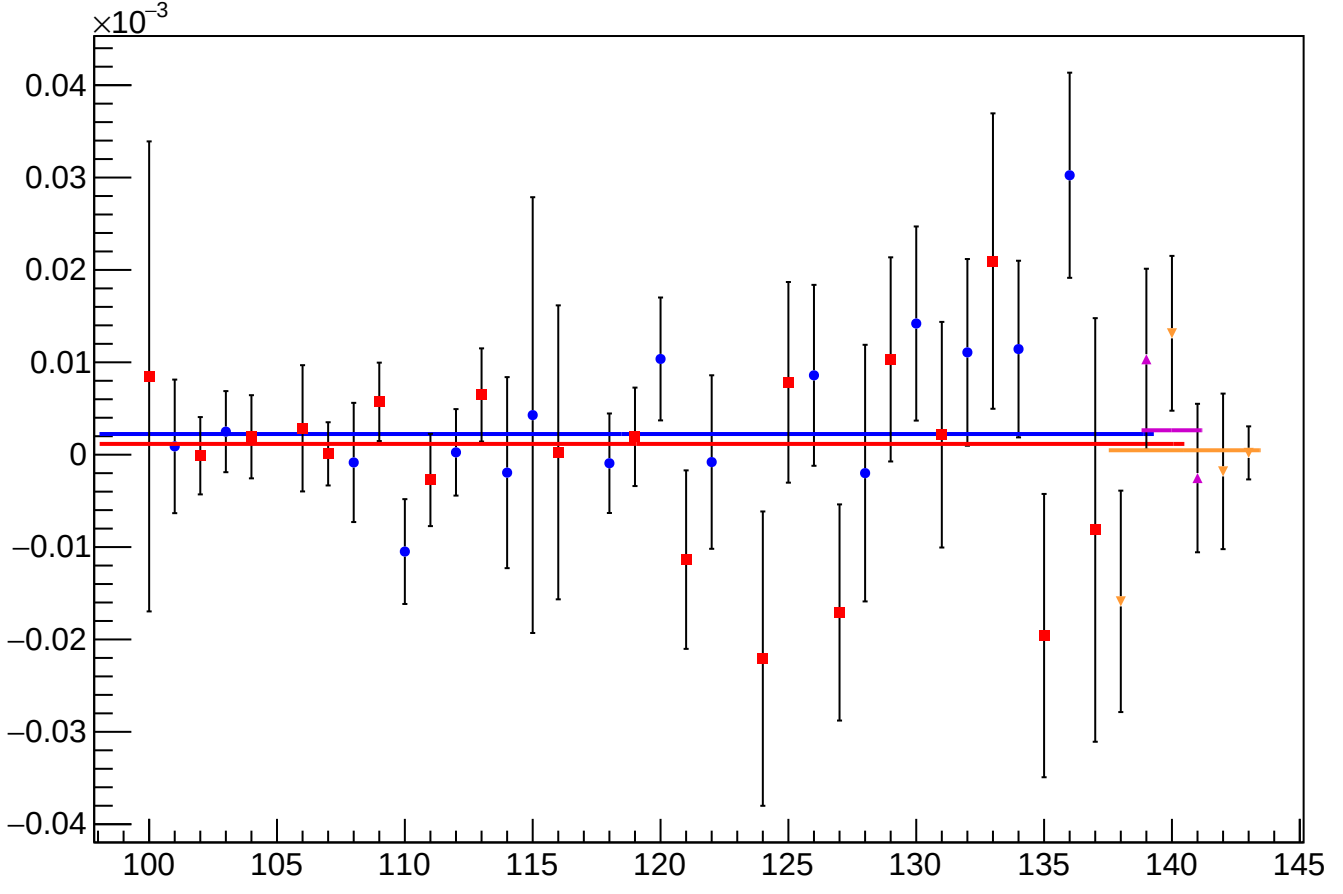
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 123.642+/-0.068 χ^2/NDF:26197.1/1

+ sign 67.448+/-0.018 χ^2/NDF: 5490047.8/19

All: 67.651+/-0.013 χ^2/NDF: 8888735.3/40

- sign 67.852+/-0.018 χ^2/NDF: 3398445.1/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

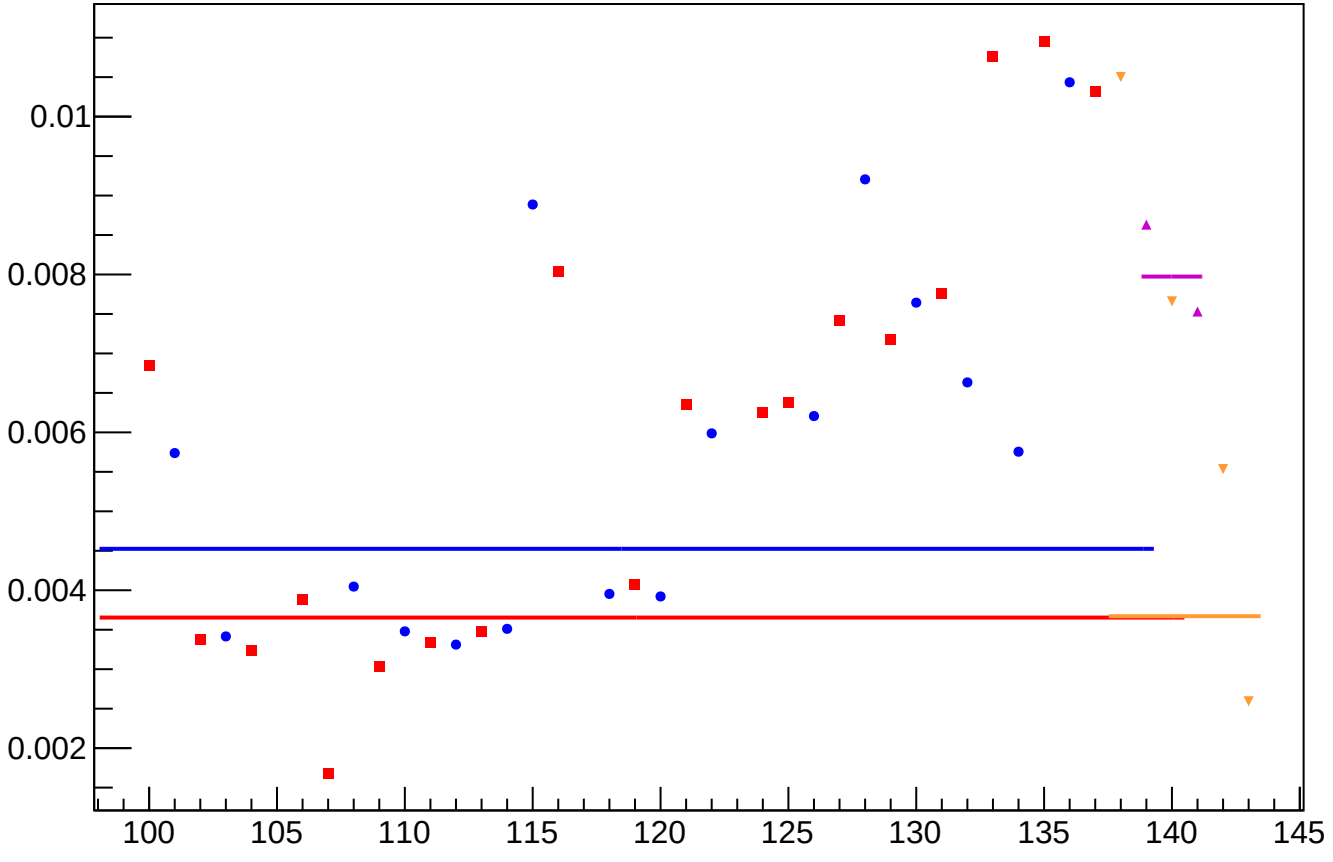
Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/19

All: 0.000+/-0.000 χ^2/NDF: 37.2/40

- sign 0.000+/-0.000 χ^2/NDF: 15.2/20

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:1482702.4/3

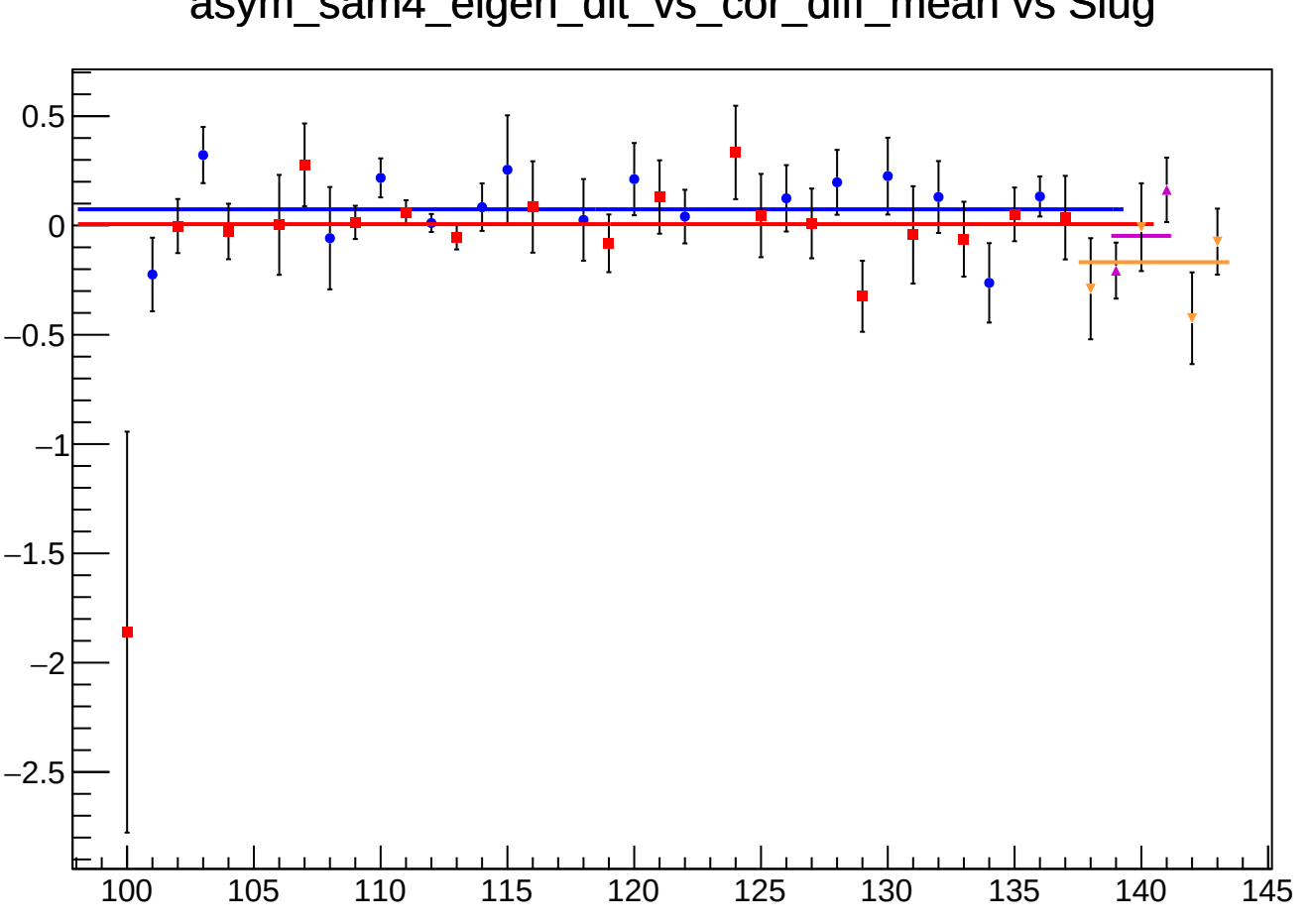
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.008+/-0.000 χ^2/NDF:15089.3/1

+ sign 0.004+/-0.000 χ^2/NDF: 3354792.4/19

All: 0.004+/-0.000 χ^2/NDF: 7271239.5/40

- sign 0.004+/-0.000 χ^2/NDF: 3861568.0/20



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

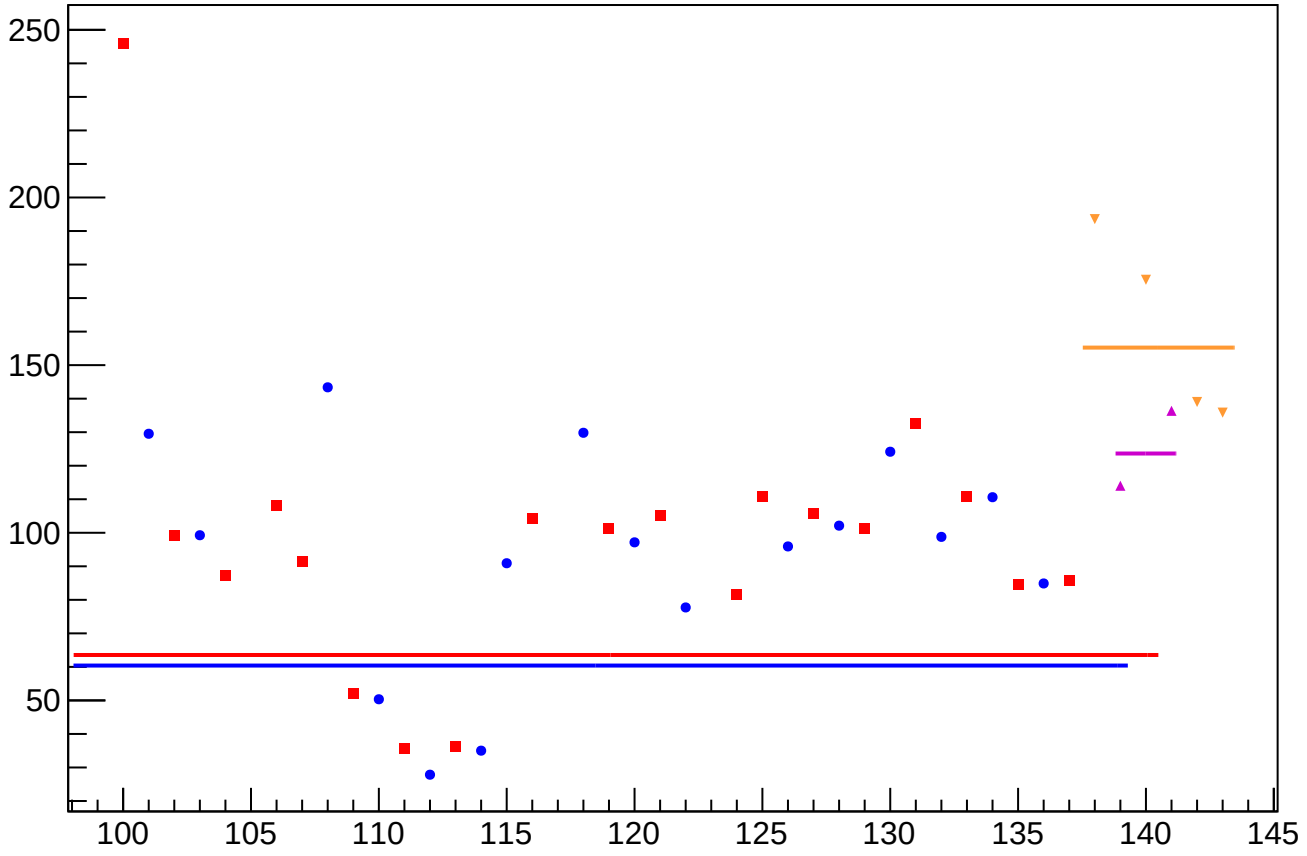
Left In: -0.048+/-0.097 χ^2/NDF:3.6/1

+ sign 0.056+/-0.026 χ^2/NDF: 27.7/19

All: 0.029+/-0.018 χ^2/NDF: 50.2/40

- sign 0.002+/-0.026 χ^2/NDF: 20.3/20

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 155.230+/-0.067 χ^2/NDF:120116.9/3

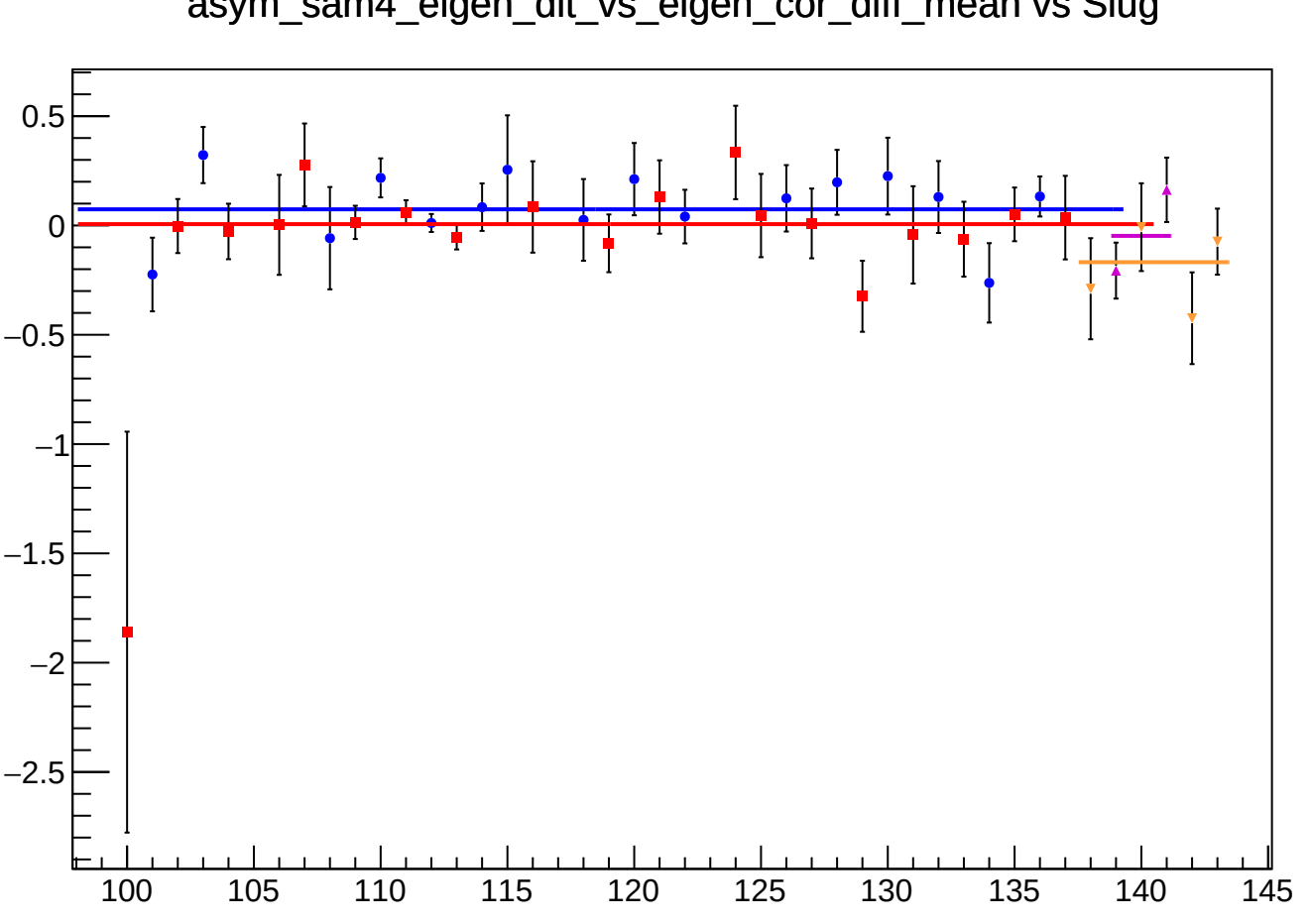
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 123.641+/-0.068 χ^2/NDF:26203.6/1

+ sign 67.446+/-0.018 χ^2/NDF: 5490399.1/19

All: 67.649+/-0.013 χ^2/NDF: 8889401.0/40

- sign 67.850+/-0.018 χ^2/NDF: 3398759.0/20



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

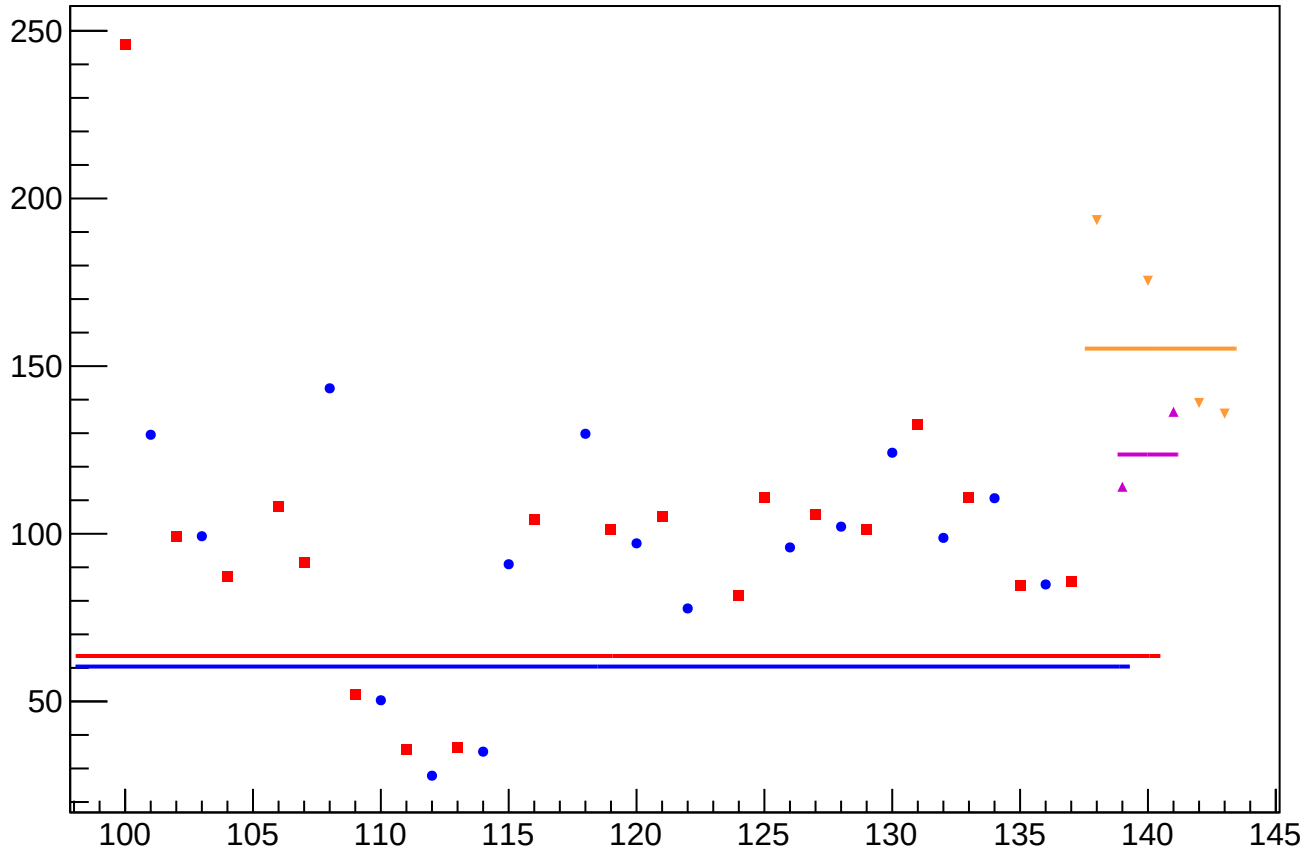
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.048+/-0.097 χ^2/NDF:3.6/1

+ sign 0.056+/-0.026 χ^2/NDF: 27.7/19

All: 0.029+/-0.018 χ^2/NDF: 50.2/40

- sign 0.002+/-0.026 χ^2/NDF: 20.3/20



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 155.230+/-0.067 χ^2/NDF:120116.9/3

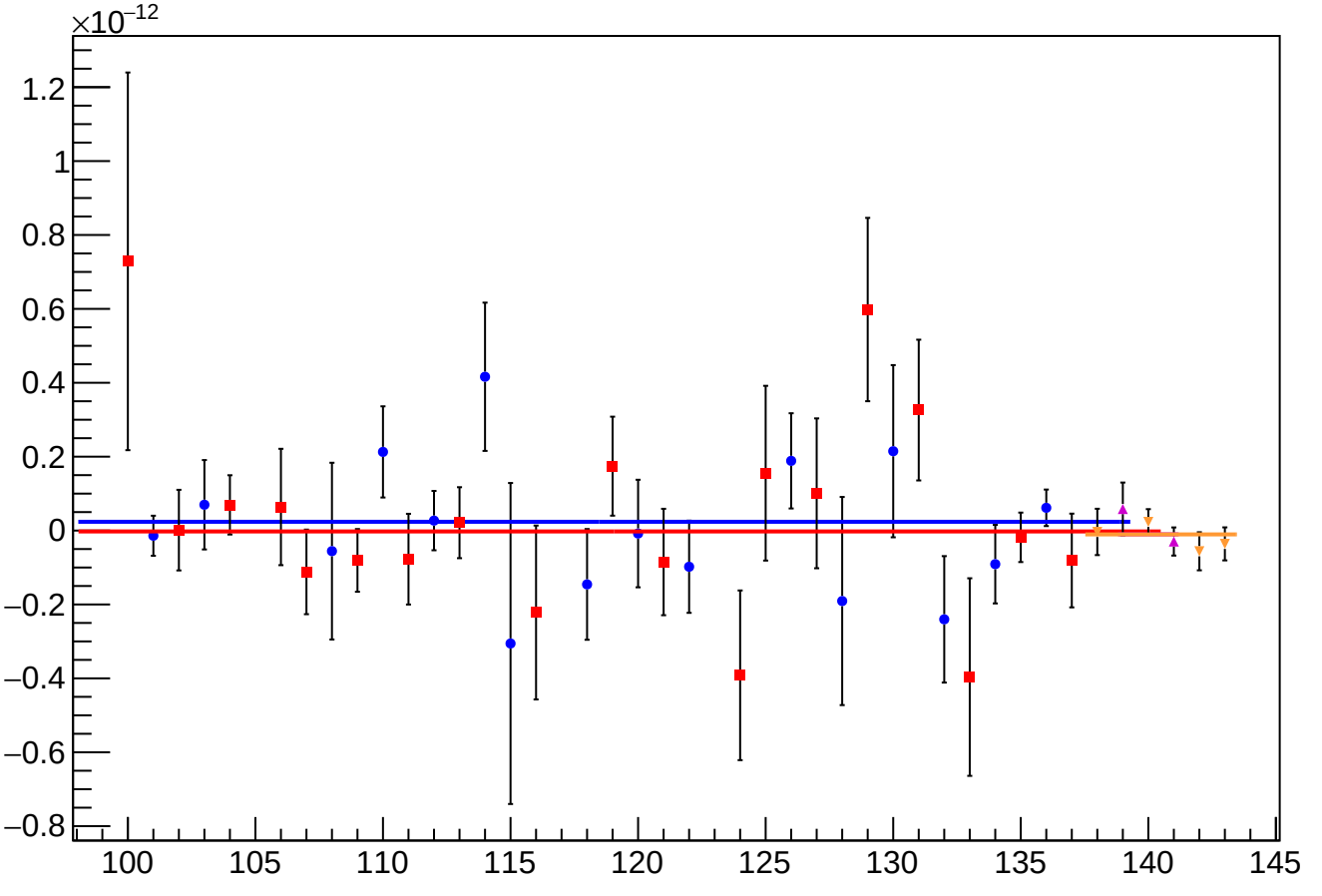
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 123.641+/-0.068 χ^2/NDF:26203.6/1

+ sign 67.446+/-0.018 χ^2/NDF: 5490399.1/19

All: 67.649+/-0.013 χ^2/NDF: 8889401.0/40

- sign 67.850+/-0.018 χ^2/NDF: 3398759.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/3

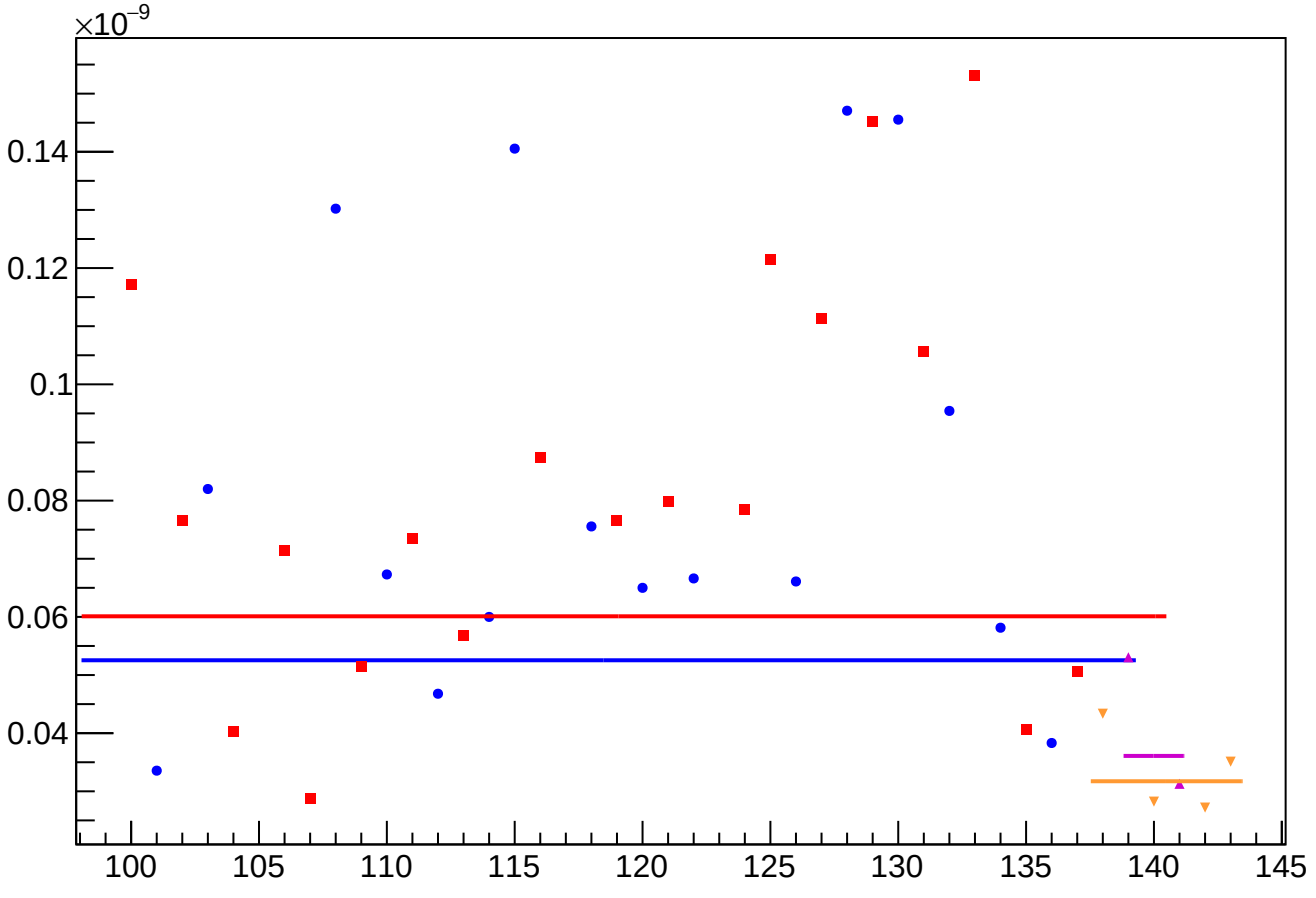
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/19

All: 0.000+/-0.000 χ^2/NDF: 44.4/40

- sign -0.000+/-0.000 χ^2/NDF: 24.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:116090.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

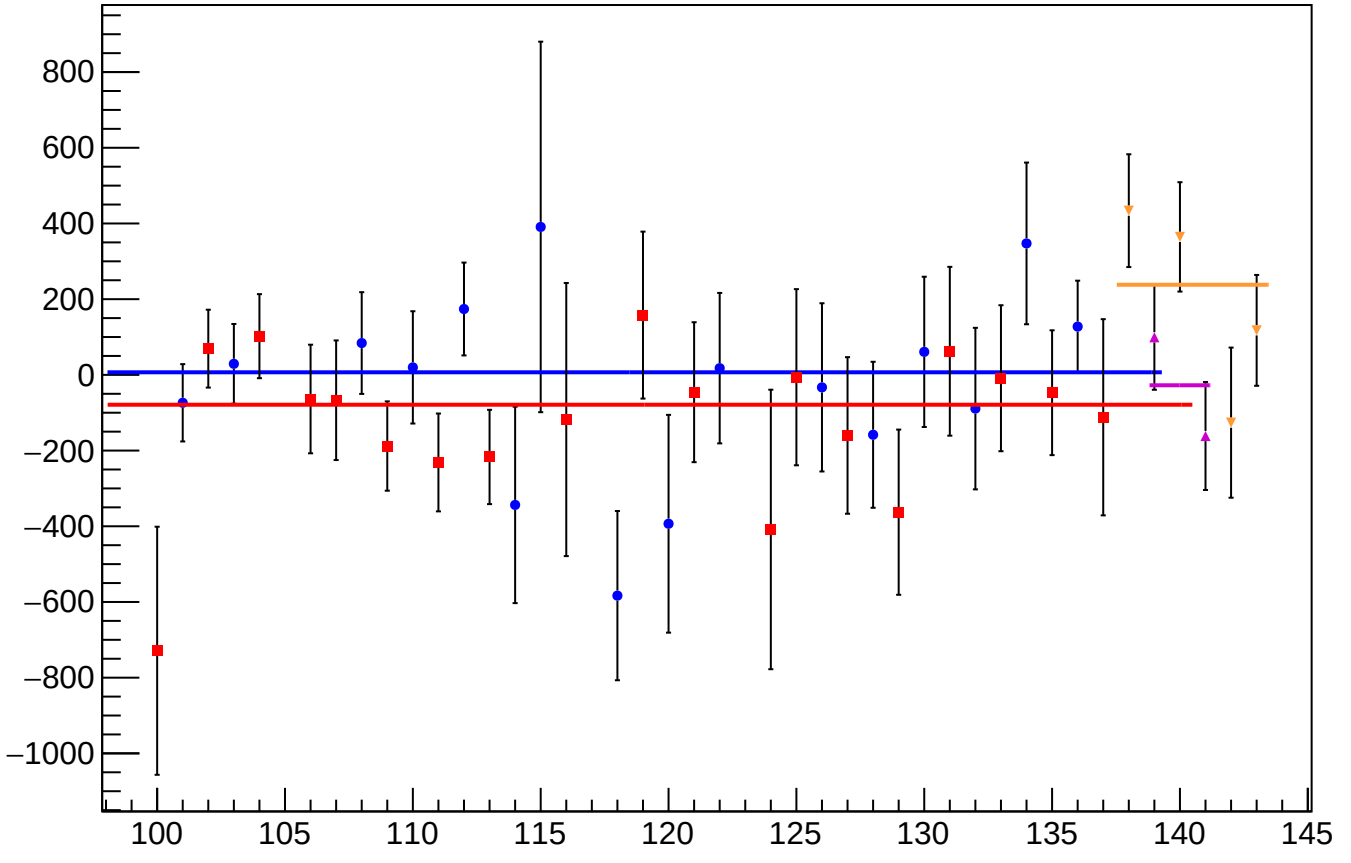
Left In: 0.000+/-0.000 χ^2/NDF:144136.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 2490728.8/19

All: 0.000+/-0.000 χ^2/NDF: 4987174.4/40

- sign 0.000+/-0.000 χ^2/NDF: 2270788.2/20

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.059+/-77.852 χ^2/NDF:6.5/3

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

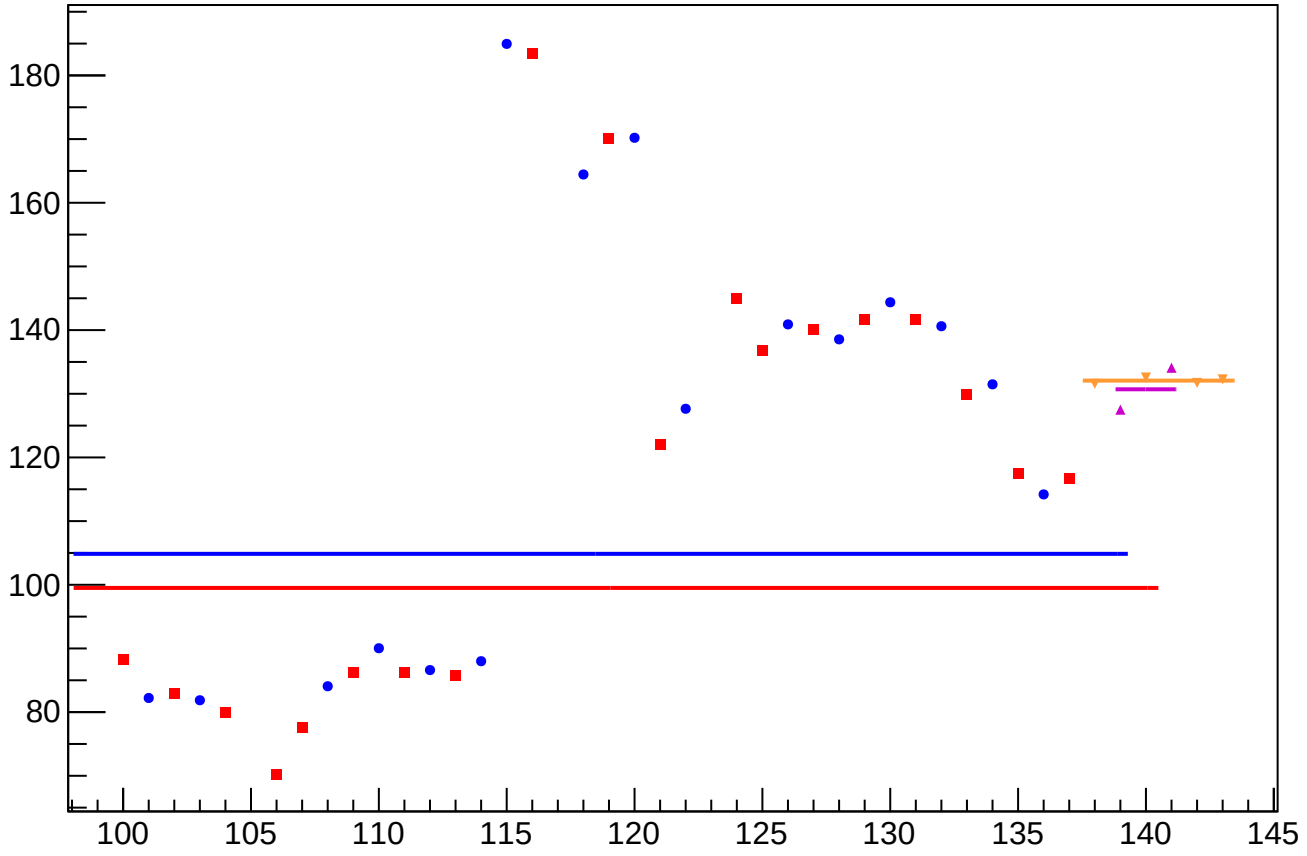
Left In: -27.474+/-99.392 χ^2/NDF:1.7/1

+ sign 55.782+/-35.826 χ^2/NDF: 32.3/19

All: -9.021+/-25.187 χ^2/NDF: 57.4/40

- sign -72.355+/-35.418 χ^2/NDF: 18.6/20

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

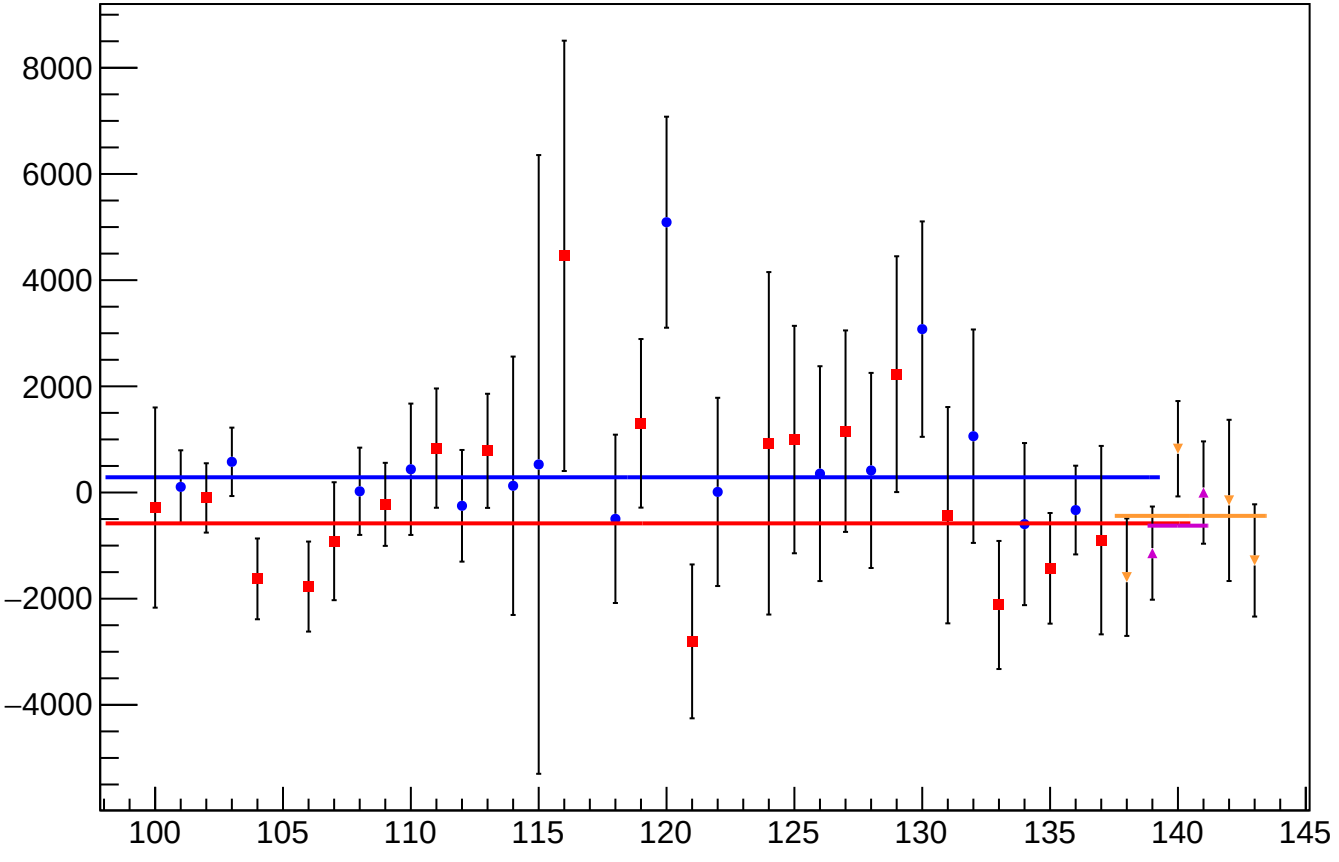
Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

+ sign 110.622+/-0.025 χ^2/NDF: 1123827.5/19

All: 107.004+/-0.018 χ^2/NDF: 2377386.9/40

- sign 103.469+/-0.025 χ^2/NDF: 1213244.1/20

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -440.040+/-543.606 χ^2/NDF:3.7/3

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

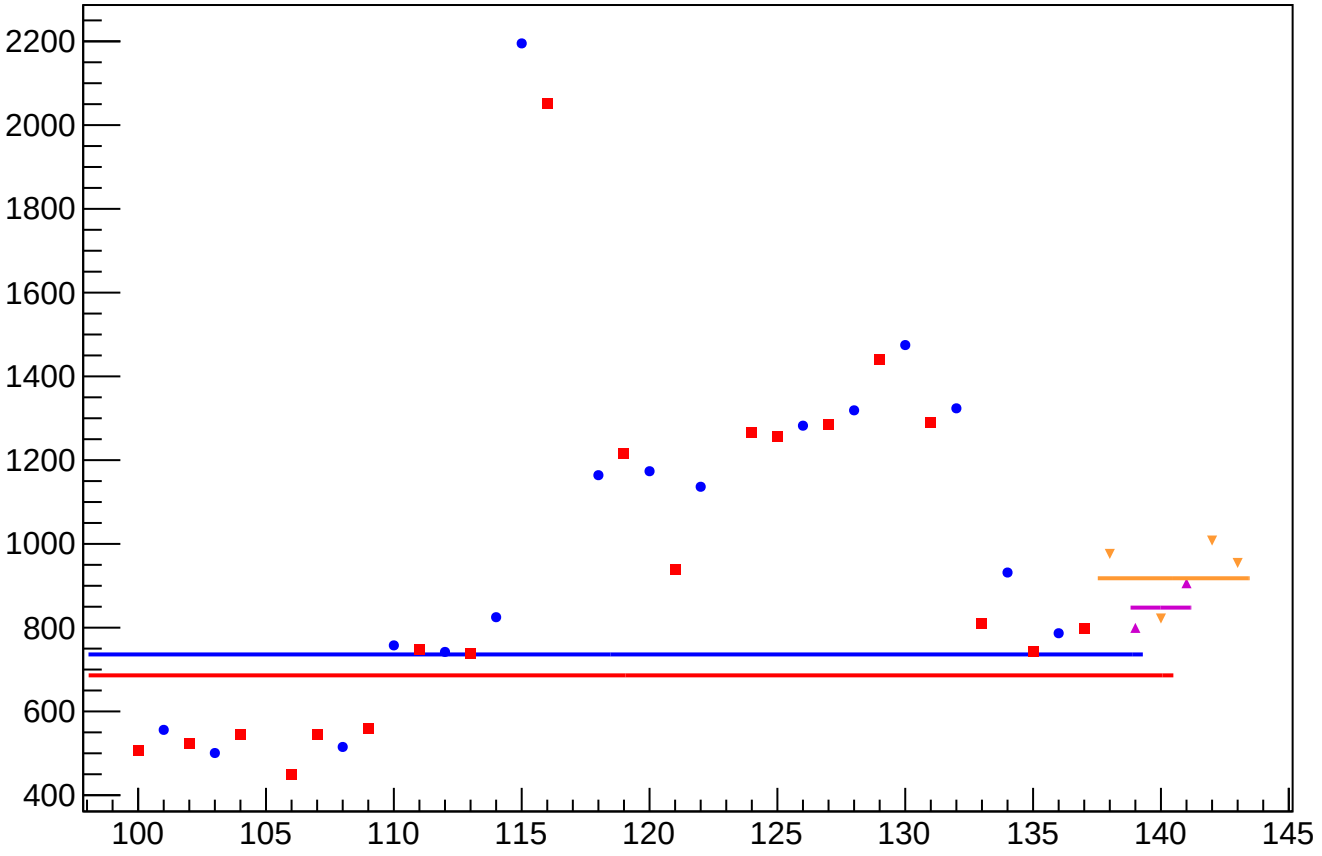
Left In: -624.614+/-648.930 χ^2/NDF:0.8/1

+ sign 122.857+/-258.244 χ^2/NDF: 14.8/19

All: -245.169+/-179.288 χ^2/NDF: 38.3/40

- sign -587.612+/-249.106 χ^2/NDF: 19.5/20

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.6/3

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

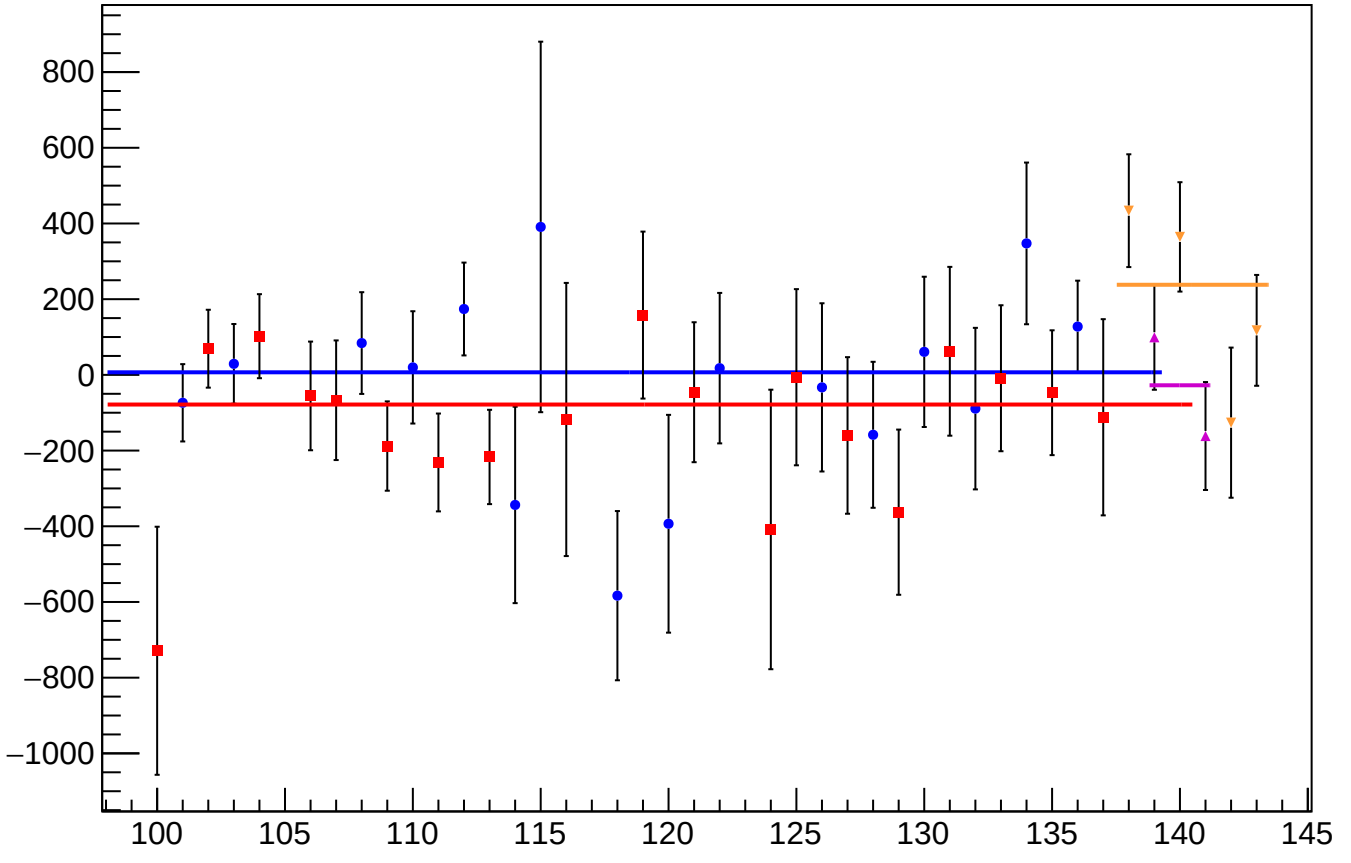
Left In: 847.872+/-0.459 χ^2/NDF:13382.1/1

+ sign 777.130+/-0.183 χ^2/NDF: 2055673.1/19

All: 742.328+/-0.127 χ^2/NDF: 4064316.7/40

- sign 709.945+/-0.176 χ^2/NDF: 1938522.8/20

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.060+/-77.852 χ^2/NDF:6.5/3

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

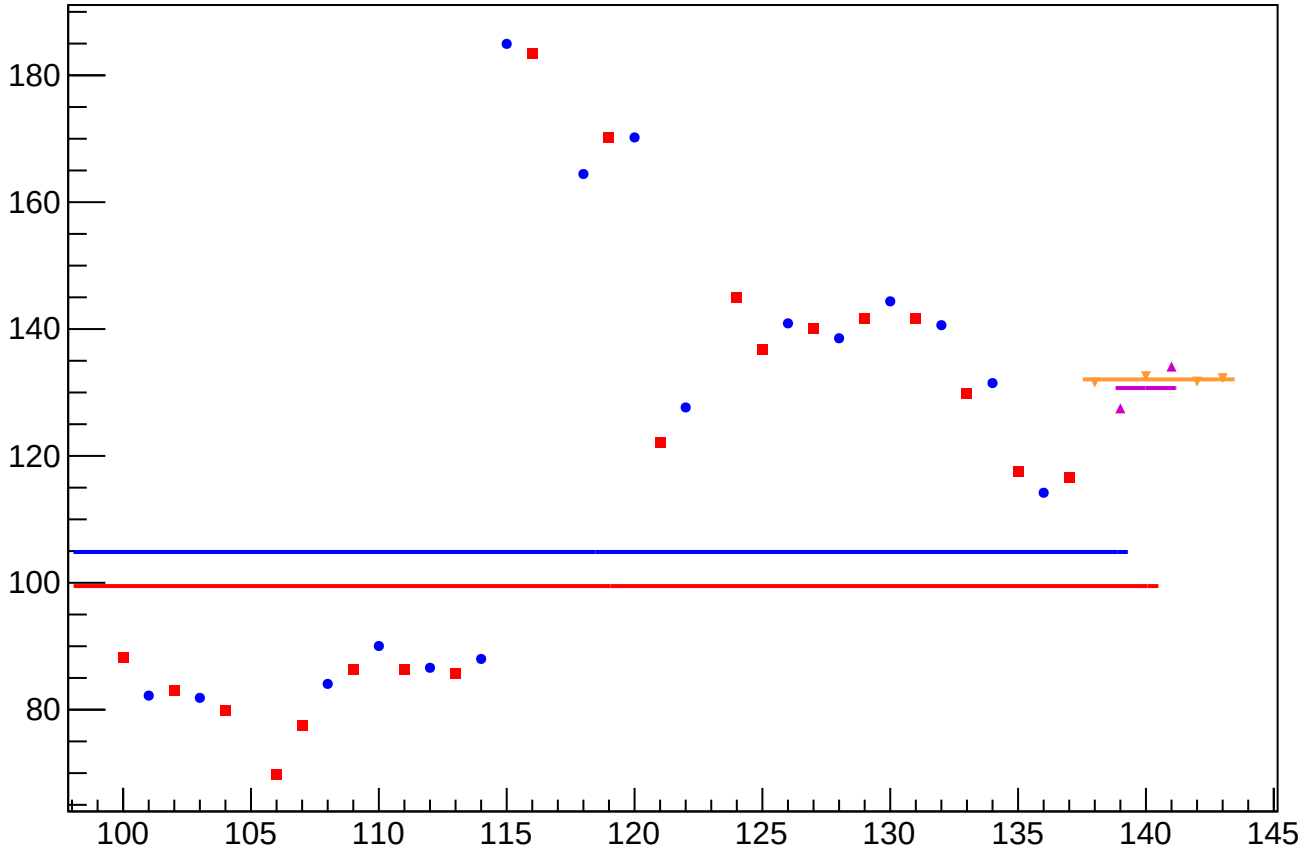
Left In: -27.484+/-99.392 χ^2/NDF:1.7/1

+ sign 55.774+/-35.826 χ^2/NDF: 32.3/19

All: -8.786+/-25.188 χ^2/NDF: 57.3/40

- sign -71.888+/-35.420 χ^2/NDF: 18.6/20

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

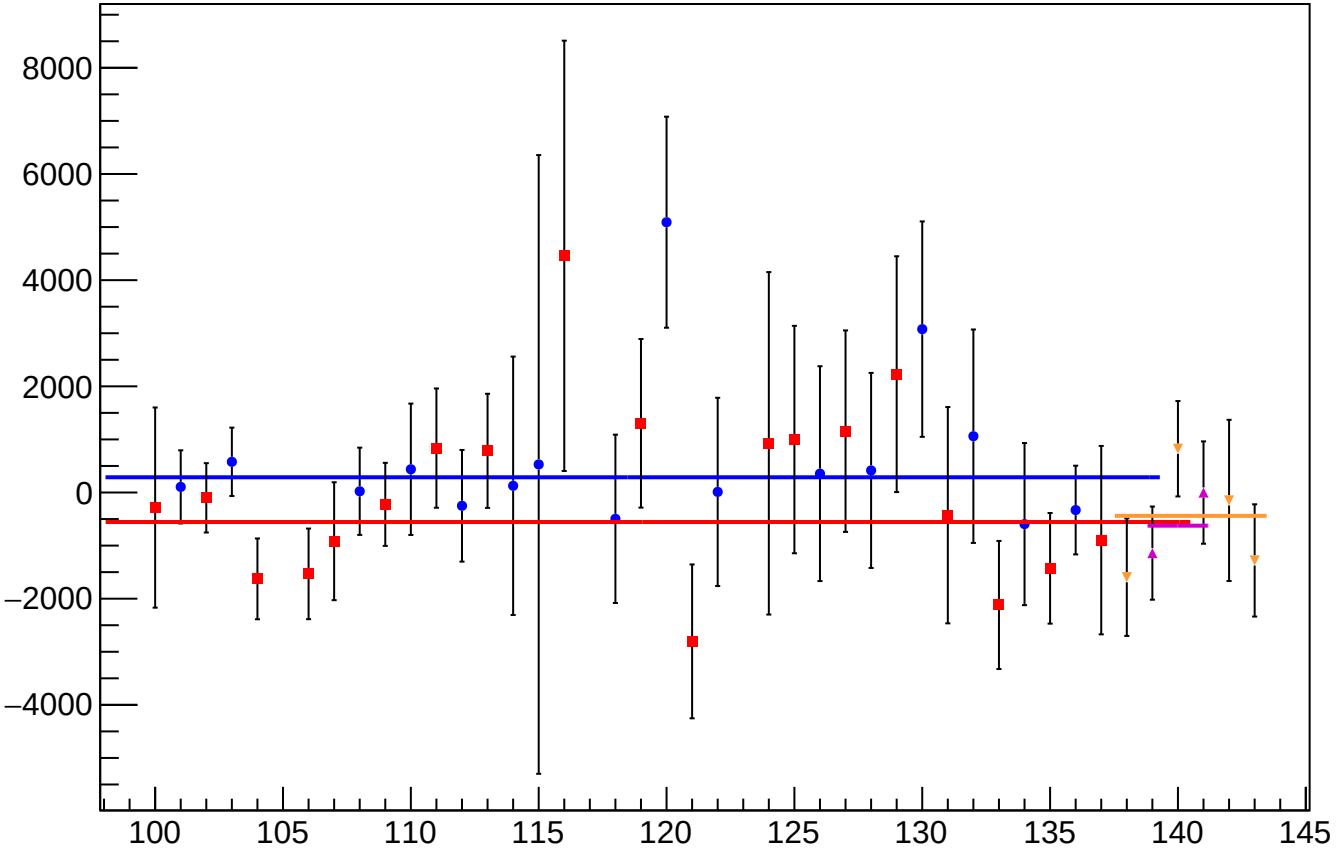
Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

+ sign 110.622+/-0.025 χ^2/NDF: 1123826.6/19

All: 106.994+/-0.018 χ^2/NDF: 2380060.8/40

- sign 103.449+/-0.025 χ^2/NDF: 1215691.4/20

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -440.033+/-543.606 χ^2/NDF:3.7/3

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

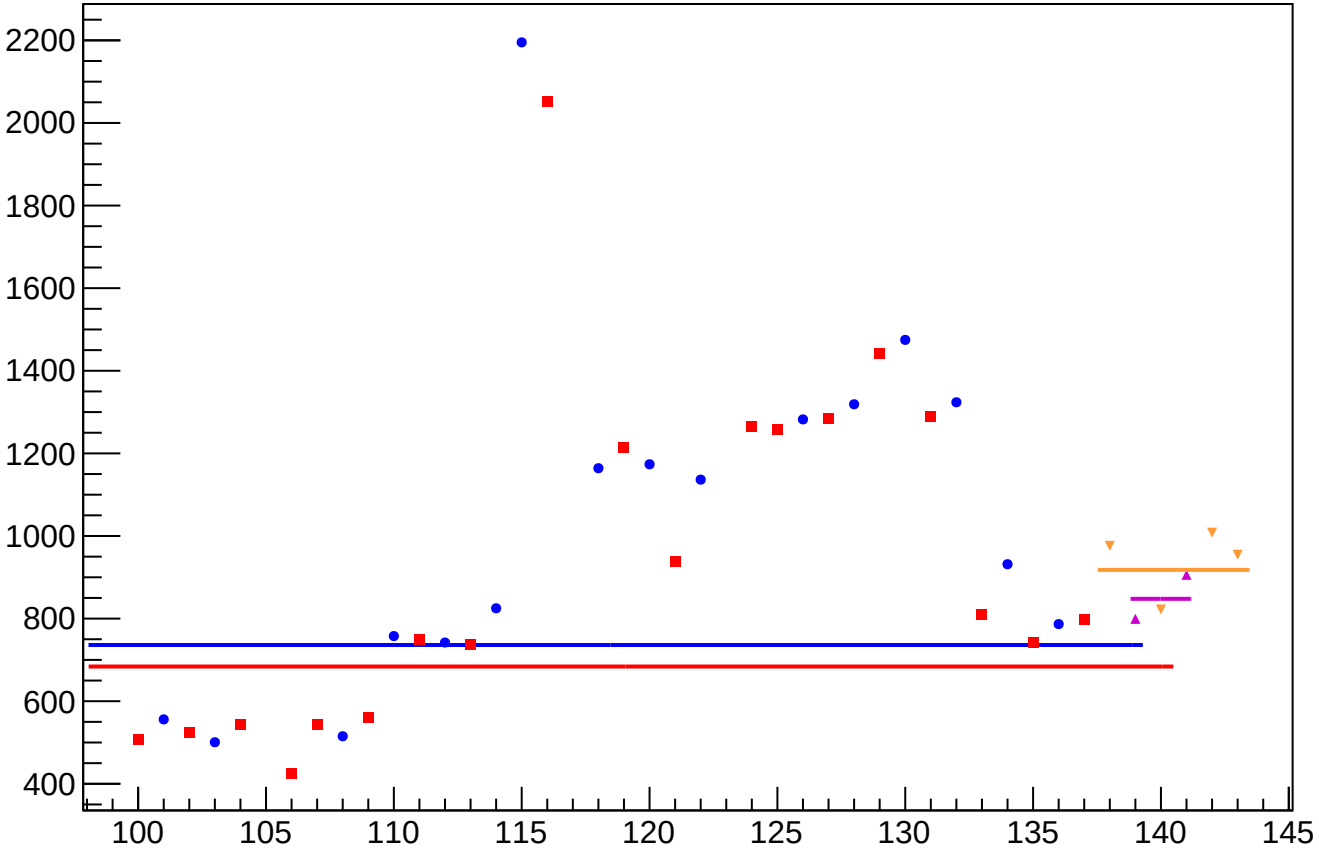
Left In: -624.609+/-648.930 χ^2/NDF:0.8/1

\+ sign 122.860+/-258.244 χ^2/NDF: 14.8/19

All: -233.592+/-179.340 χ^2/NDF: 37.3/40

\- sign -565.641+/-249.247 χ^2/NDF: 18.8/20

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.5/3

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

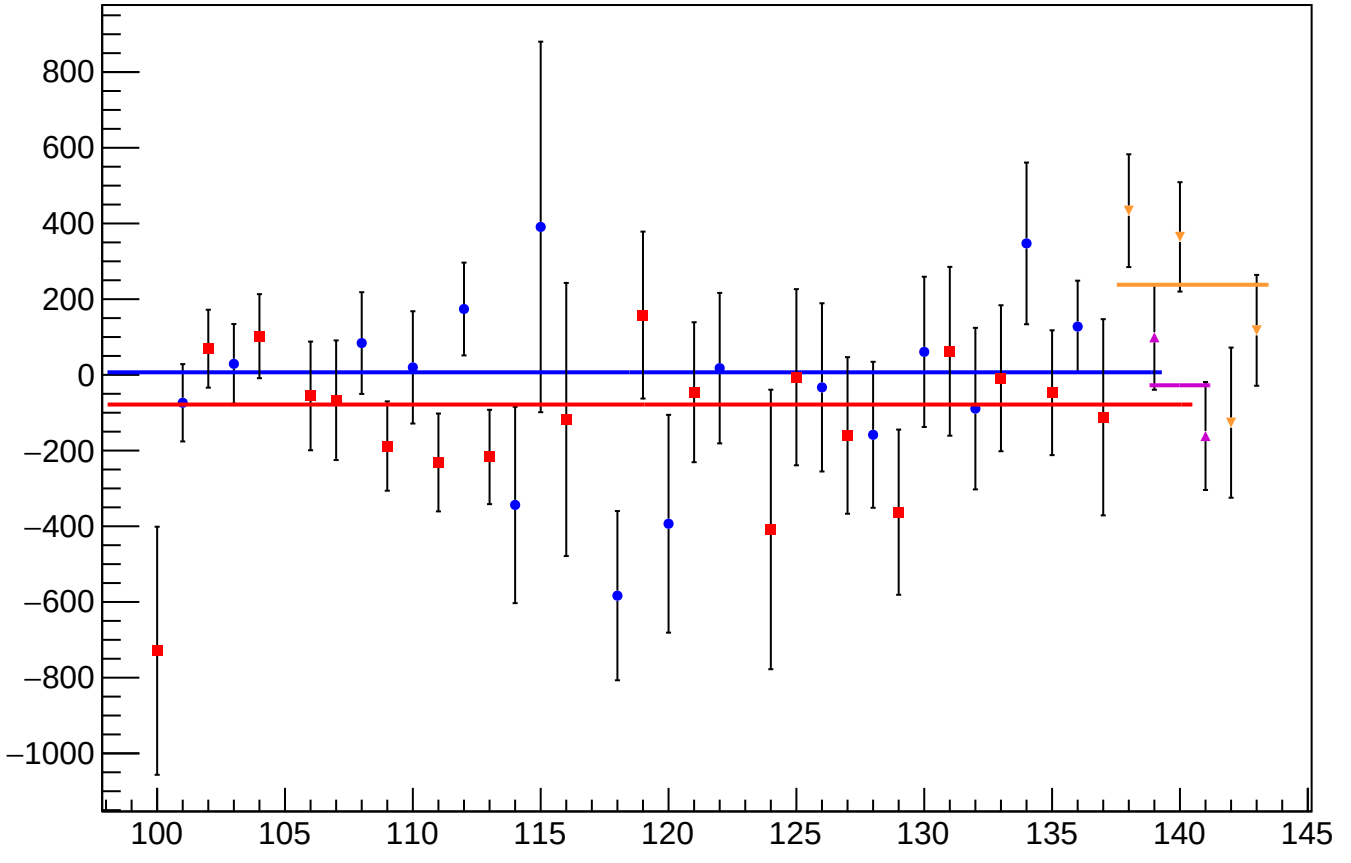
Left In: 847.872+/-0.459 χ^2/NDF:13382.2/1

+ sign 777.130+/-0.183 χ^2/NDF: 2055676.4/19

All: 741.422+/-0.127 χ^2/NDF: 4102069.1/40

- sign 708.158+/-0.176 χ^2/NDF: 1972533.6/20

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.060+/-77.852 χ^2/NDF:6.5/3

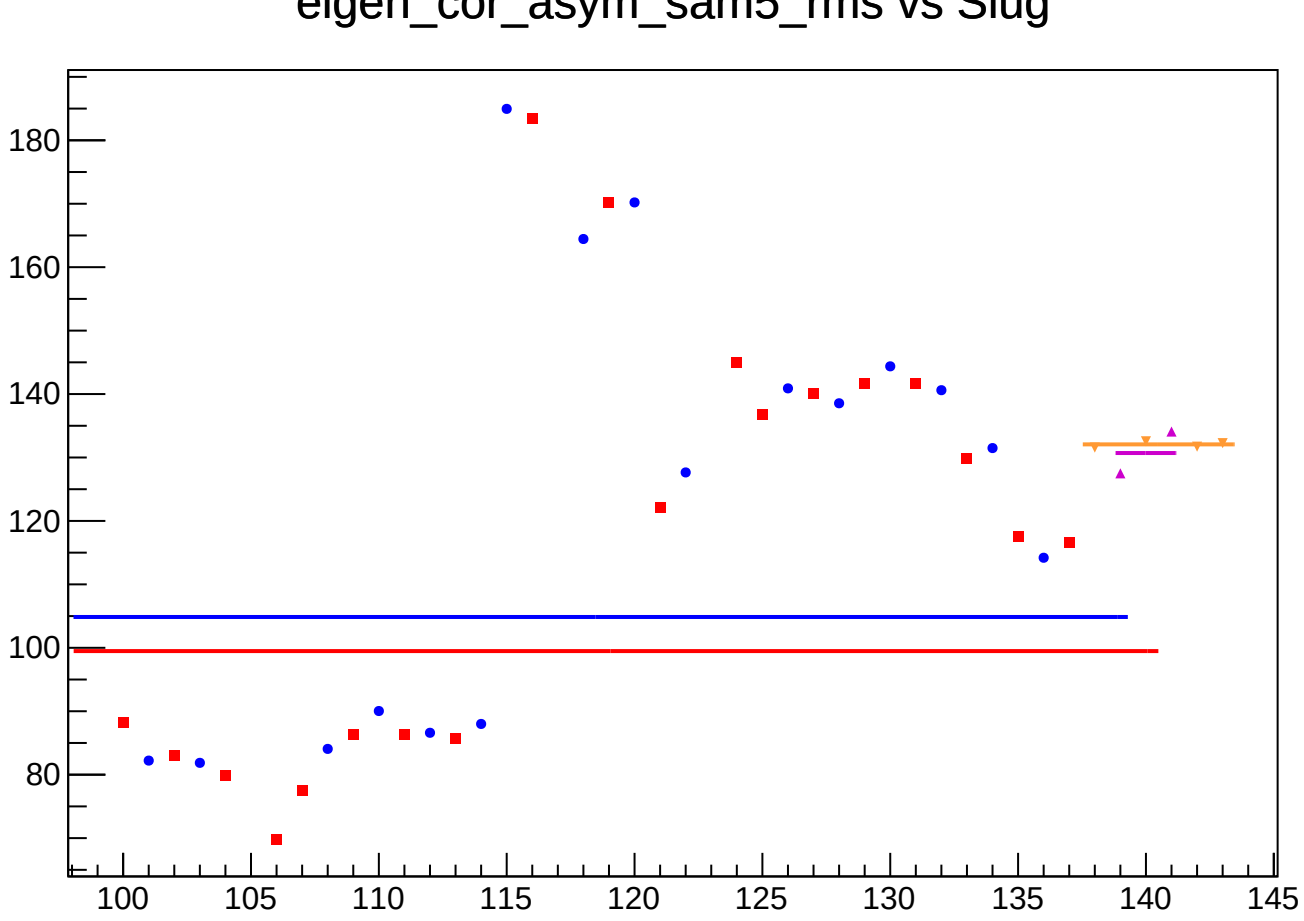
Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: -27.484+/-99.392 χ^2/NDF:1.7/1

+ sign 55.774+/-35.826 χ^2/NDF: 32.3/19

All: -8.786+/-25.188 χ^2/NDF: 57.3/40

- sign -71.888+/-35.420 χ^2/NDF: 18.6/20



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

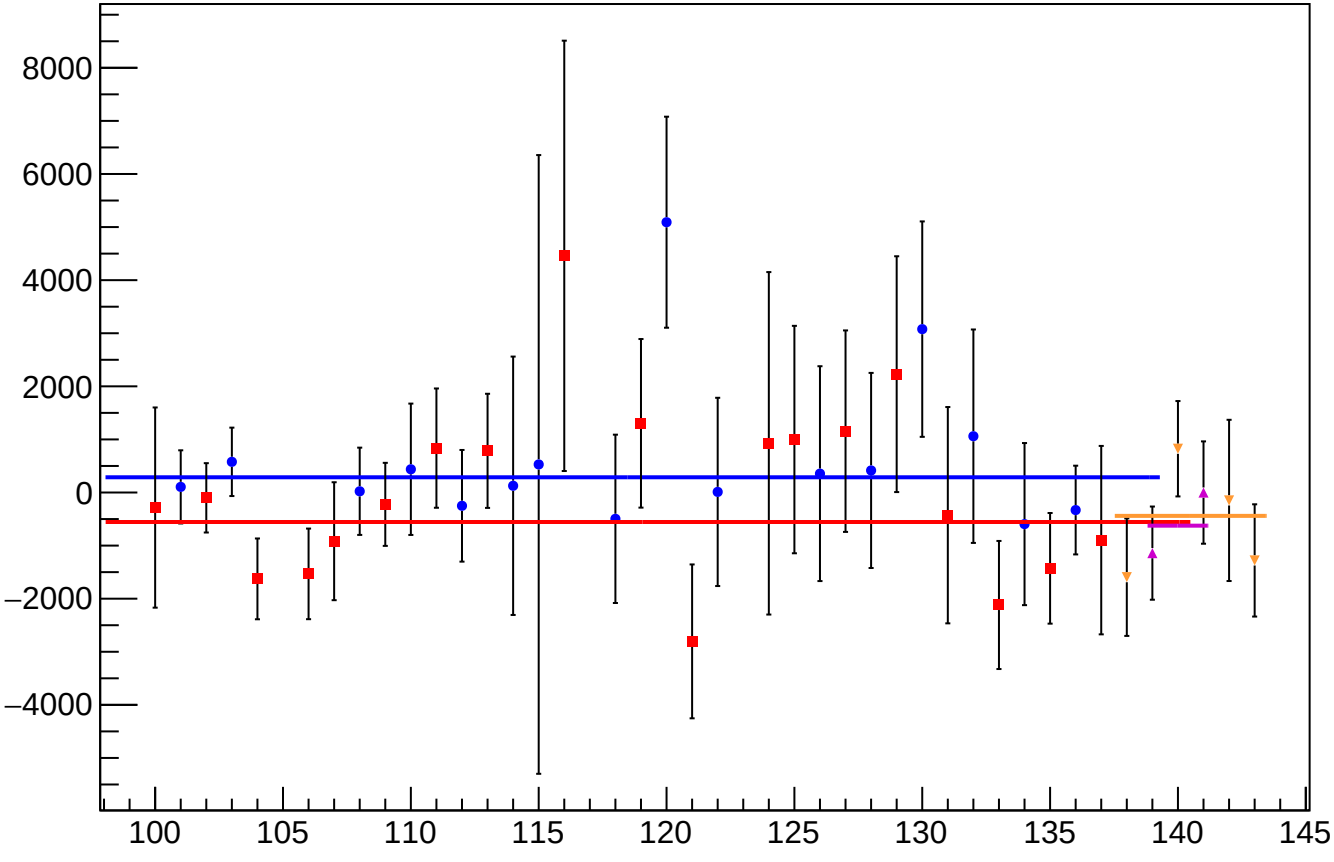
Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

+ sign 110.622+/-0.025 χ^2/NDF: 1123826.6/19

All: 106.994+/-0.018 χ^2/NDF: 2380060.8/40

- sign 103.449+/-0.025 χ^2/NDF: 1215691.4/20

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -440.033+/-543.606 χ^2/NDF:3.7/3

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

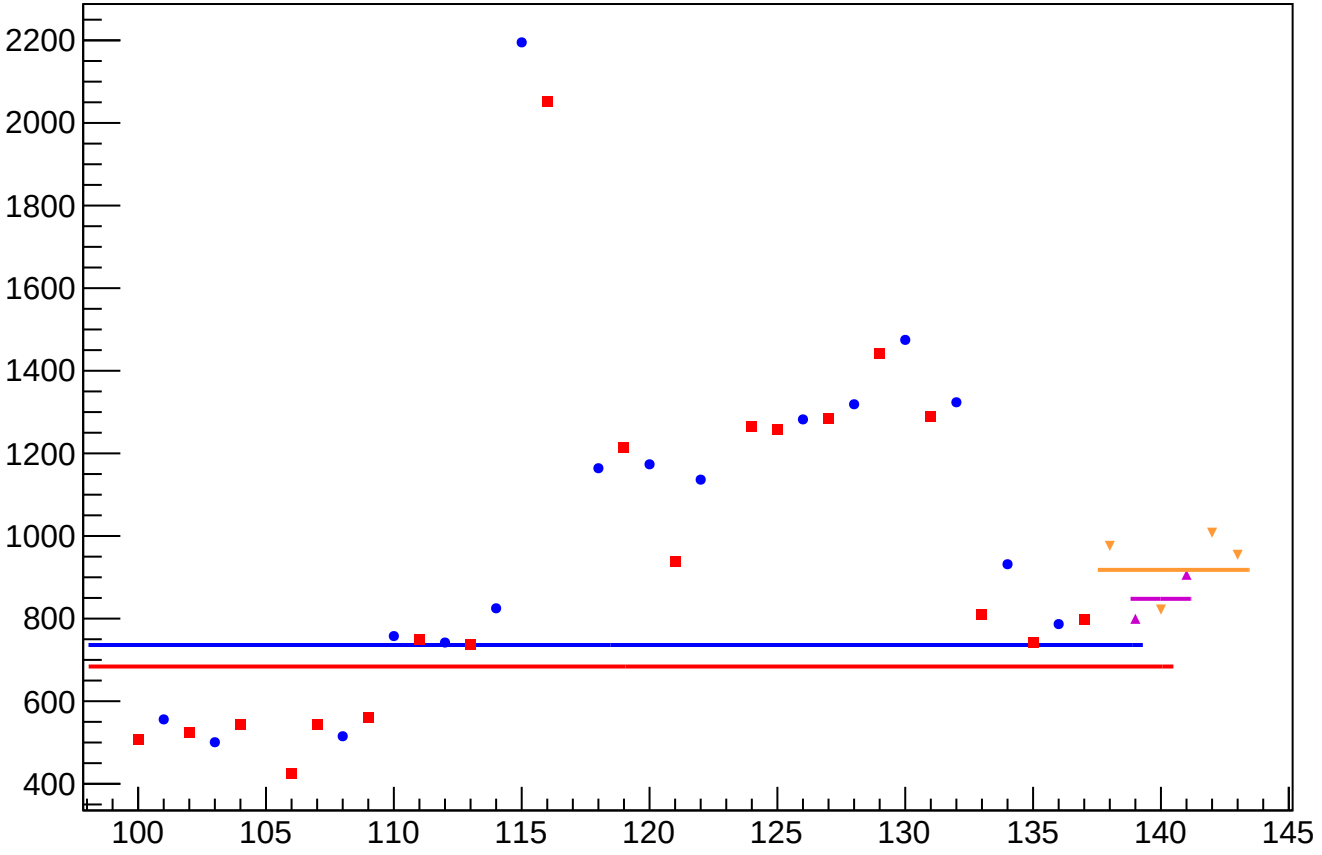
Left In: -624.609+/-648.930 χ^2/NDF:0.8/1

+ sign 122.860+/-258.244 χ^2/NDF: 14.8/19

All: -233.592+/-179.340 χ^2/NDF: 37.3/40

- sign -565.641+/-249.247 χ^2/NDF: 18.8/20

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.5/3

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

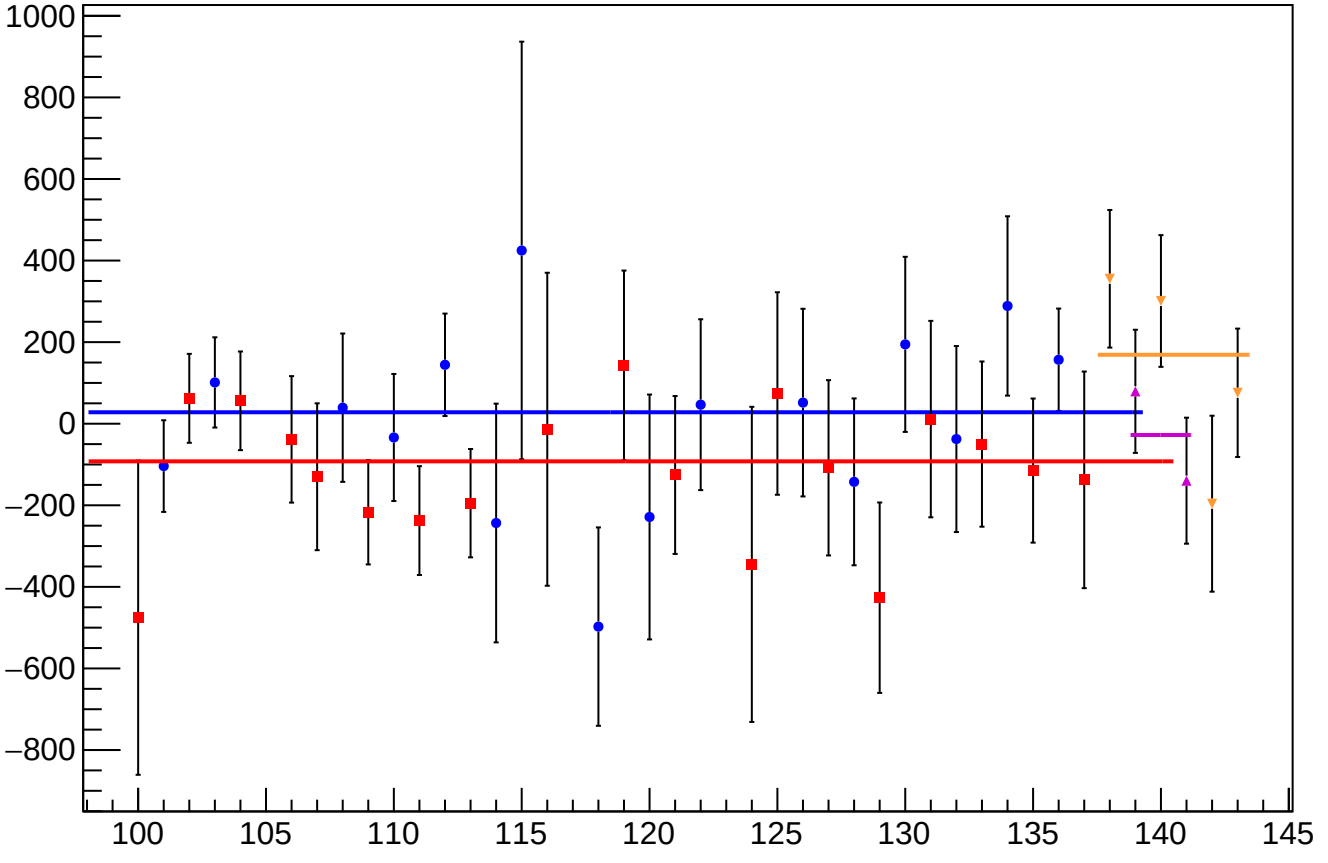
Left In: 847.872+/-0.459 χ^2/NDF:13382.2/1

+ sign 777.130+/-0.183 χ^2/NDF: 2055676.4/19

All: 741.422+/-0.127 χ^2/NDF: 4102069.1/40

- sign 708.158+/-0.176 χ^2/NDF: 1972533.6/20

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 168.994+/-85.958 χ^2/NDF:5.1/3

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

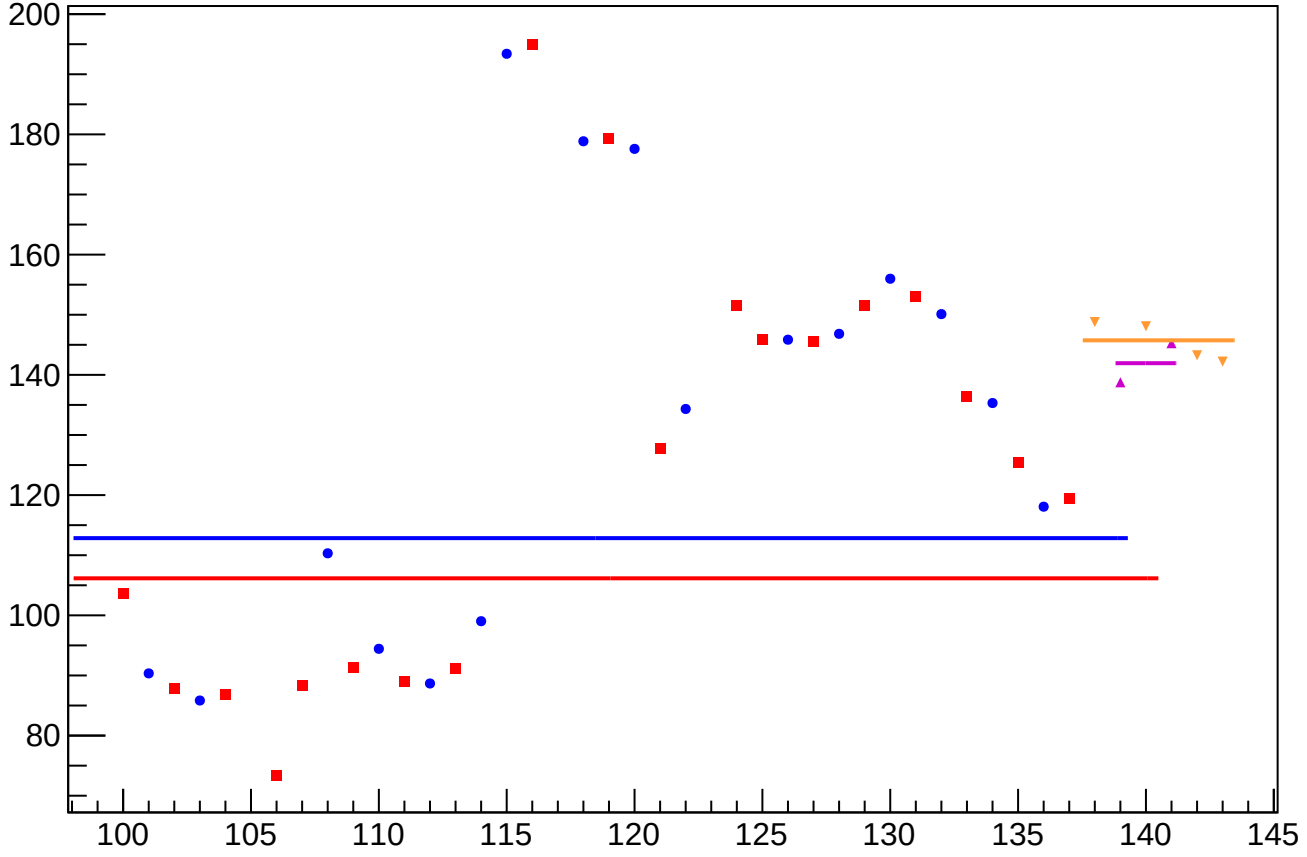
Left In: -27.614+/-107.957 χ^2/NDF:1.0/1

+ sign 56.757+/-38.770 χ^2/NDF: 20.8/19

All: -15.255+/-27.120 χ^2/NDF: 40.6/40

- sign -84.259+/-37.951 χ^2/NDF: 13.1/20

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 145.743+/-0.061 χ^2/NDF:2346.0/3

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

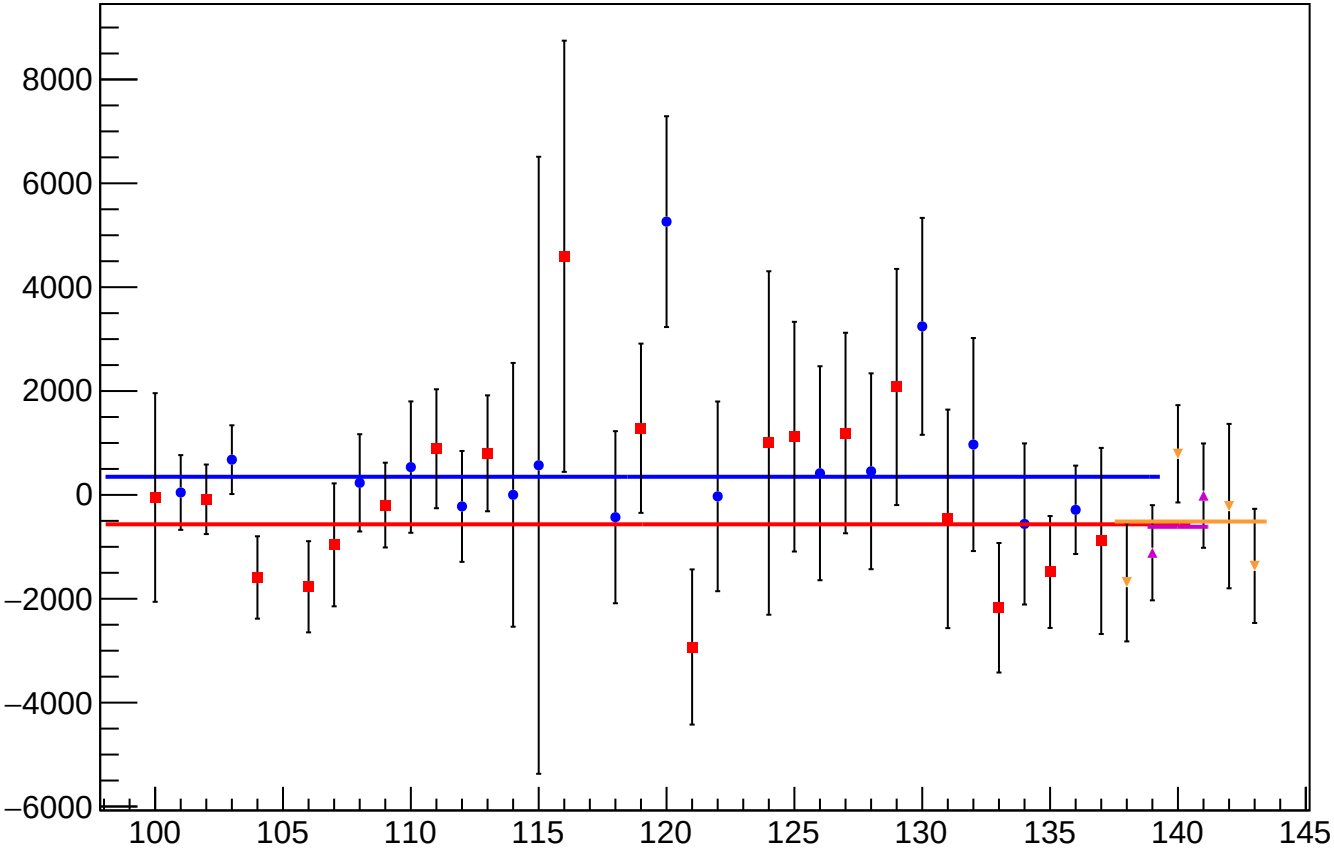
Left In: 141.942+/-0.076 χ^2/NDF:1812.5/1

+ sign 119.536+/-0.027 χ^2/NDF: 1107968.3/19

All: 114.963+/-0.019 χ^2/NDF: 2358992.8/40

- sign 110.581+/-0.027 χ^2/NDF: 1196538.3/20

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.399+/-564.840 χ^2/NDF:3.6/3

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

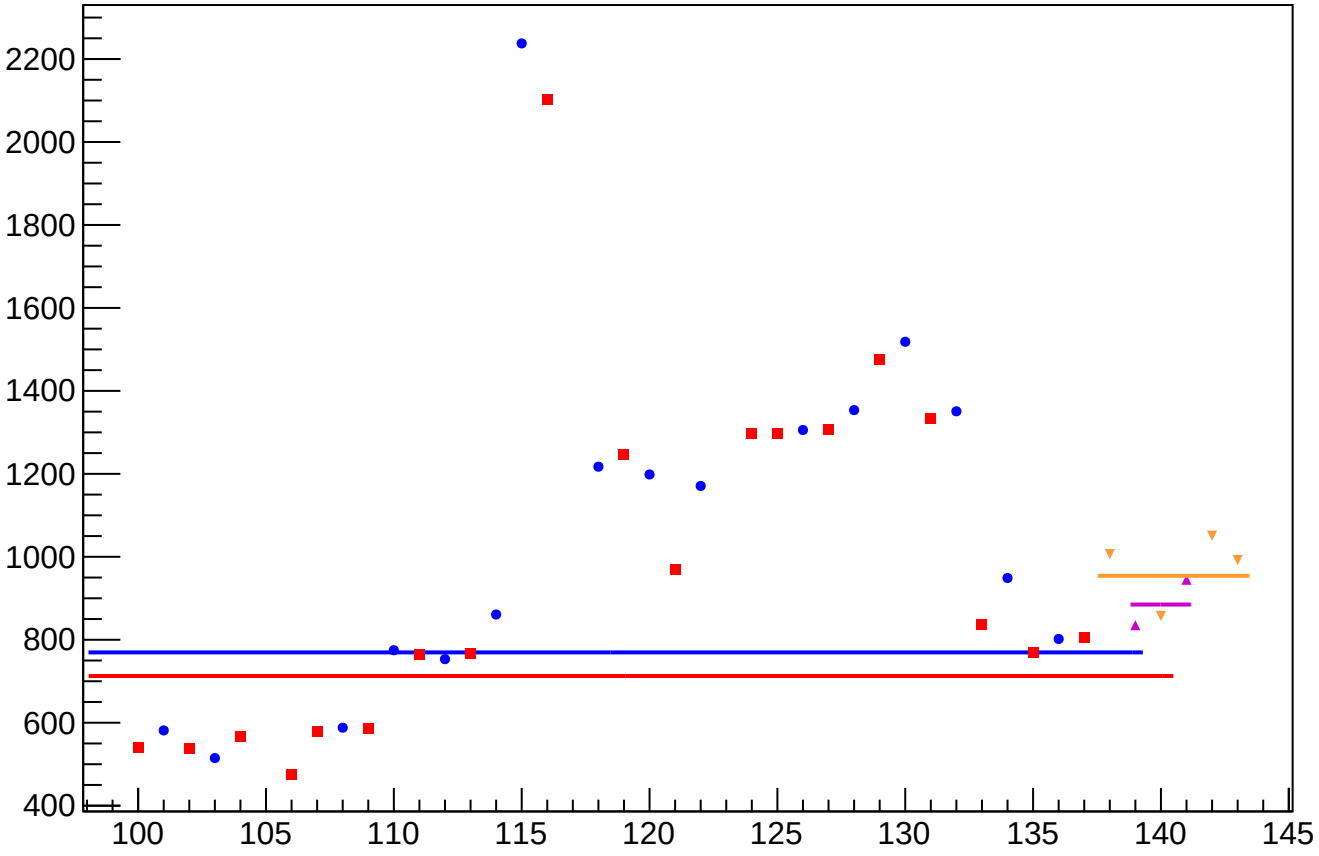
Left In: -614.326+/-677.049 χ^2/NDF:0.7/1

+ sign 154.302+/-268.597 χ^2/NDF: 15.2/19

All: -223.822+/-186.116 χ^2/NDF: 38.0/40

- sign -573.047+/-258.129 χ^2/NDF: 19.0/20

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 954.219+/-0.399 χ^2/NDF:35390.5/3

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

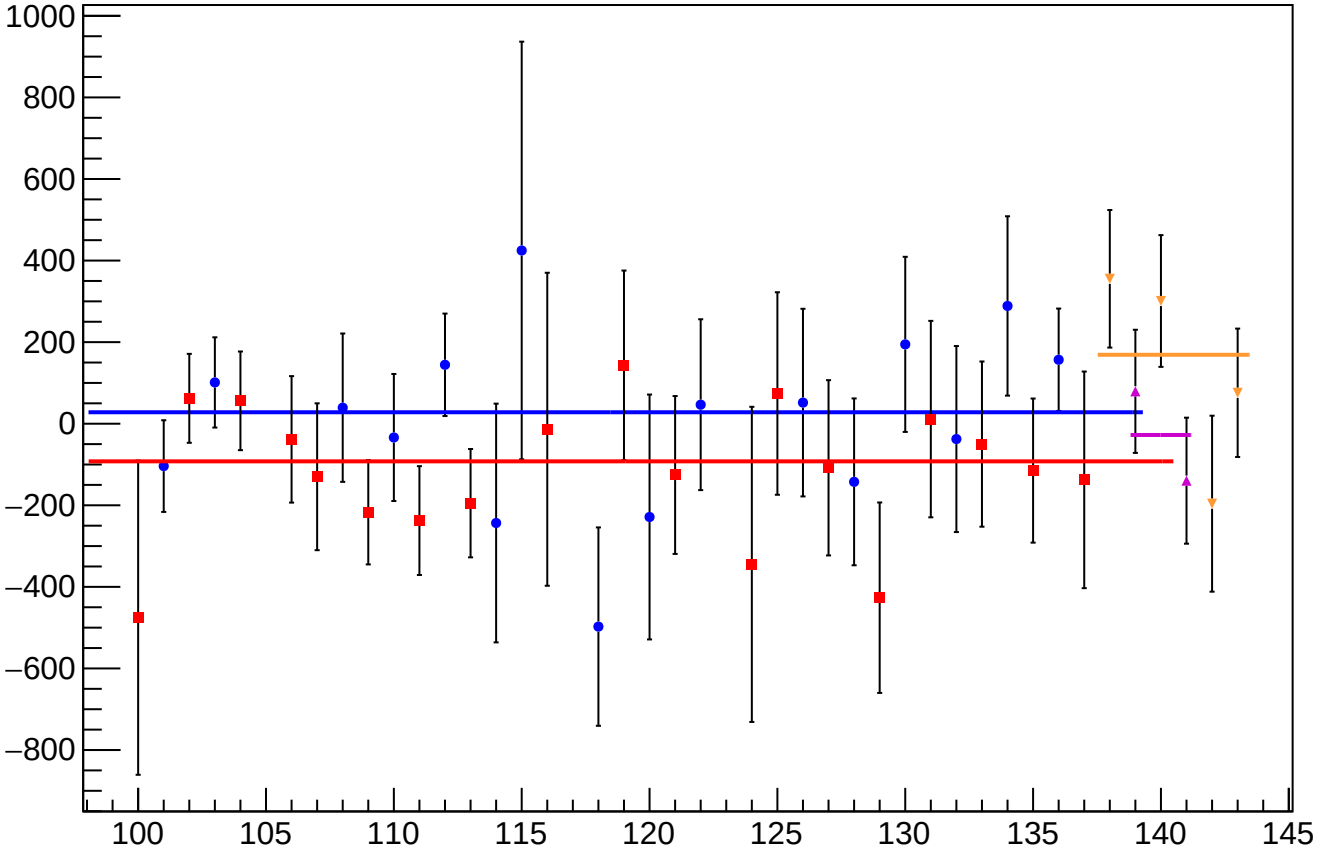
Left In: 884.916+/-0.479 χ^2/NDF:12971.3/1

+ sign 811.314+/-0.190 χ^2/NDF: 1940752.8/19

All: 773.030+/-0.132 χ^2/NDF: 3909793.5/40

- sign 737.672+/-0.183 χ^2/NDF: 1890882.0/20

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 168.994+/-85.959 χ^2/NDF:5.1/3

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

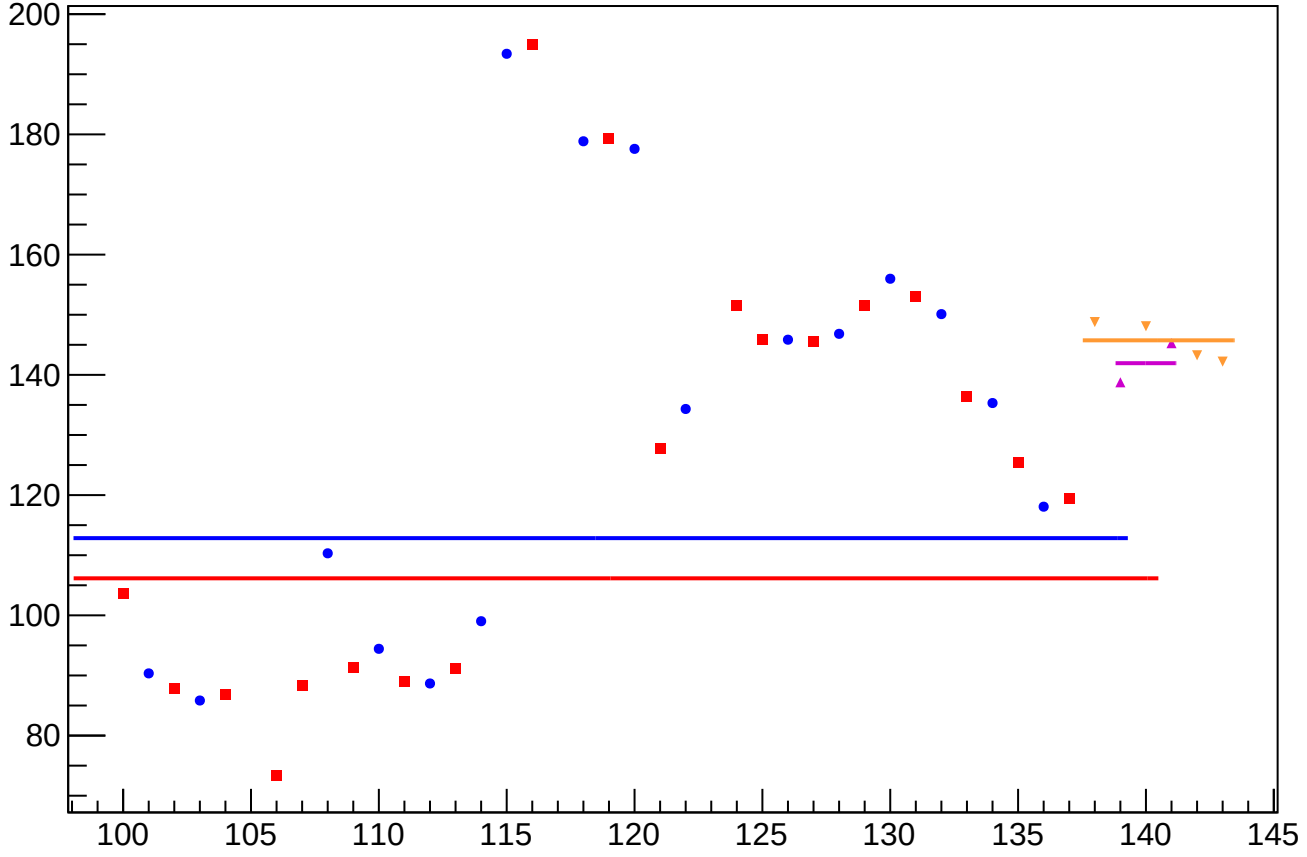
Left In: -27.616+/-107.957 χ^2/NDF:1.0/1

+ sign 56.756+/-38.770 χ^2/NDF: 20.8/19

All: -15.256+/-27.120 χ^2/NDF: 40.6/40

- sign -84.260+/-37.951 χ^2/NDF: 13.1/20

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 145.744+/-0.061 χ^2/NDF:2346.9/3

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

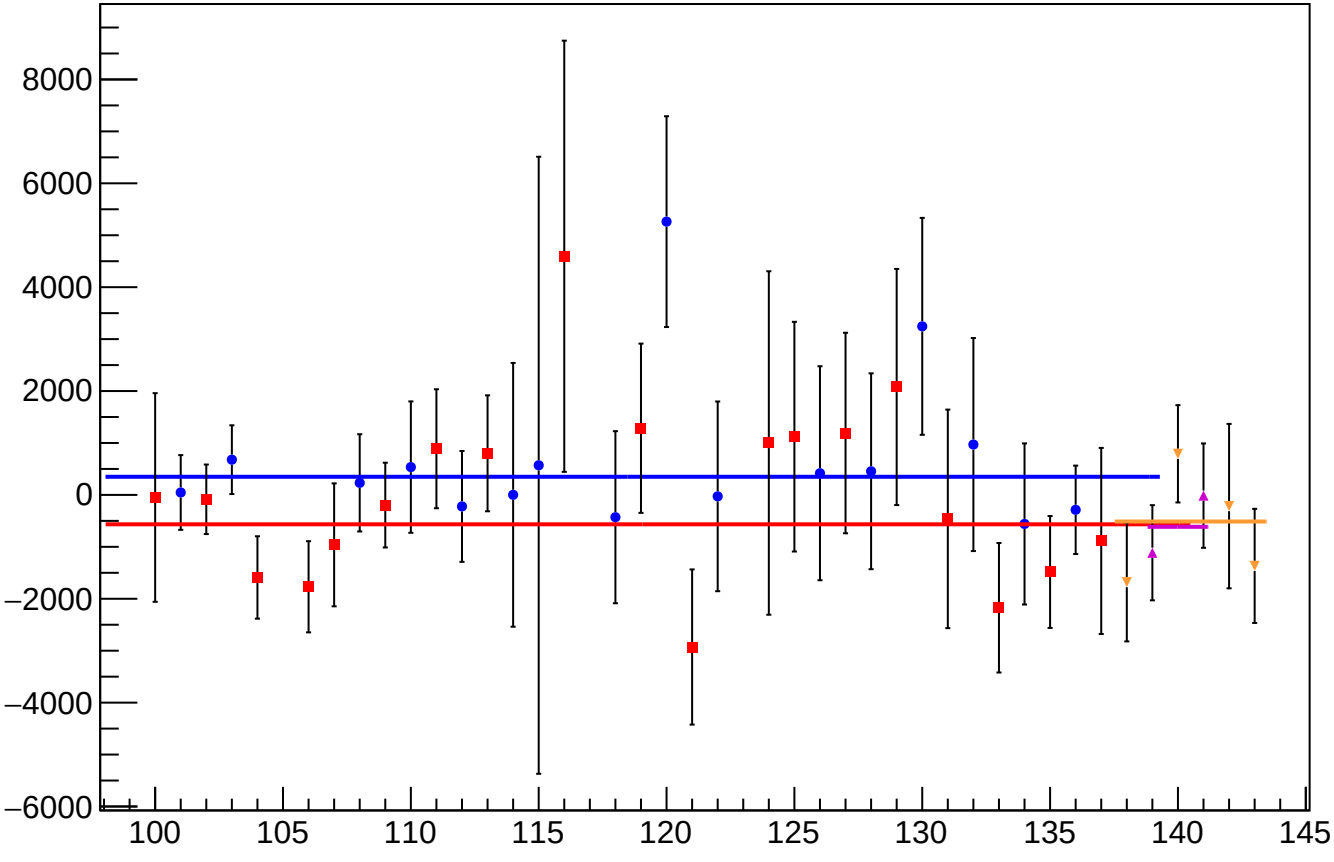
Left In: 141.943+/-0.076 χ^2/NDF:1812.5/1

+ sign 119.535+/-0.027 χ^2/NDF: 1107971.9/19

All: 114.962+/-0.019 χ^2/NDF: 2358993.8/40

- sign 110.581+/-0.027 χ^2/NDF: 1196536.3/20

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.401+/-564.841 χ^2/NDF:3.6/3

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

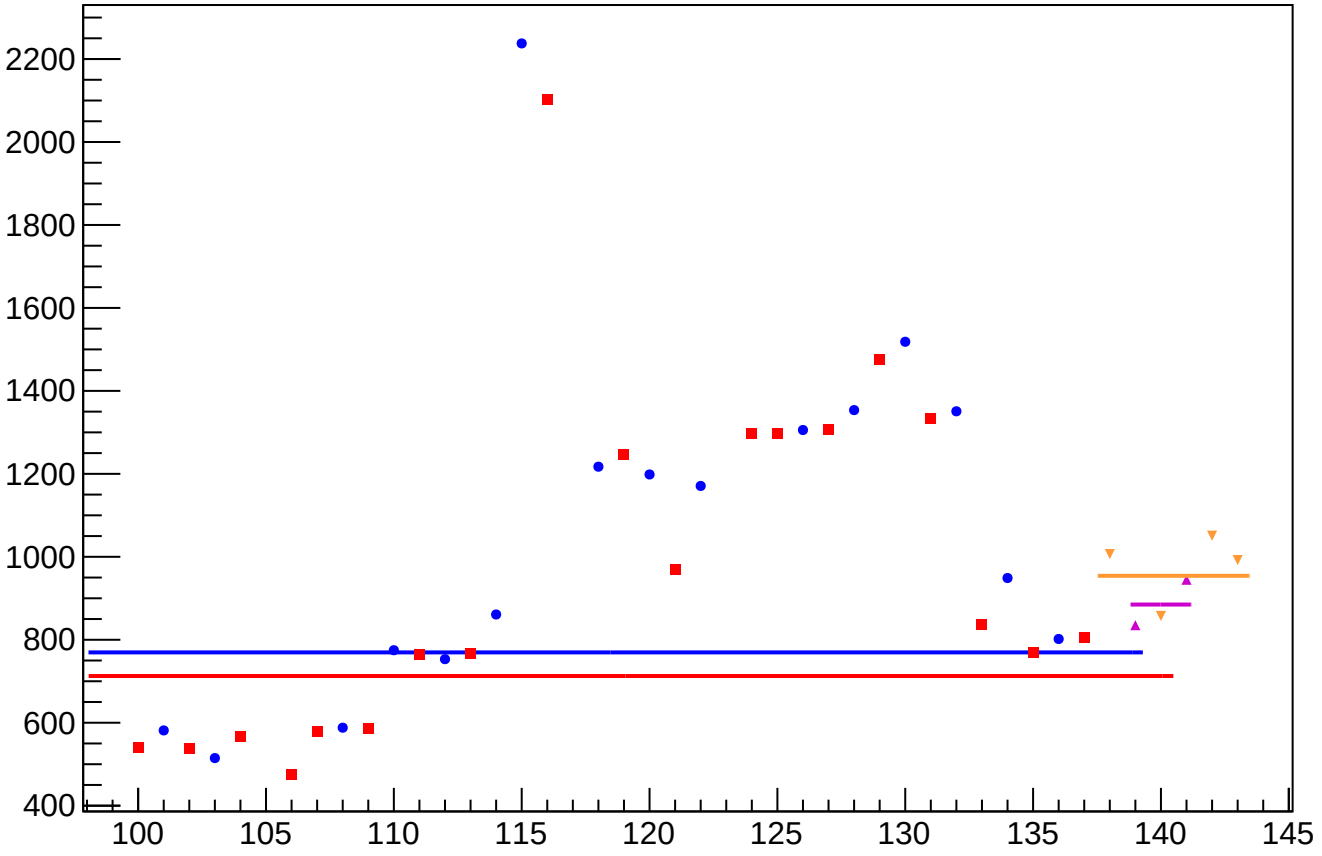
Left In: -614.328+/-677.051 χ^2/NDF:0.7/1

+ sign 154.301+/-268.597 χ^2/NDF: 15.2/19

All: -223.823+/-186.115 χ^2/NDF: 38.0/40

- sign -573.047+/-258.129 χ^2/NDF: 19.0/20

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 954.221+/-0.399 χ^2/NDF:35389.6/3

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

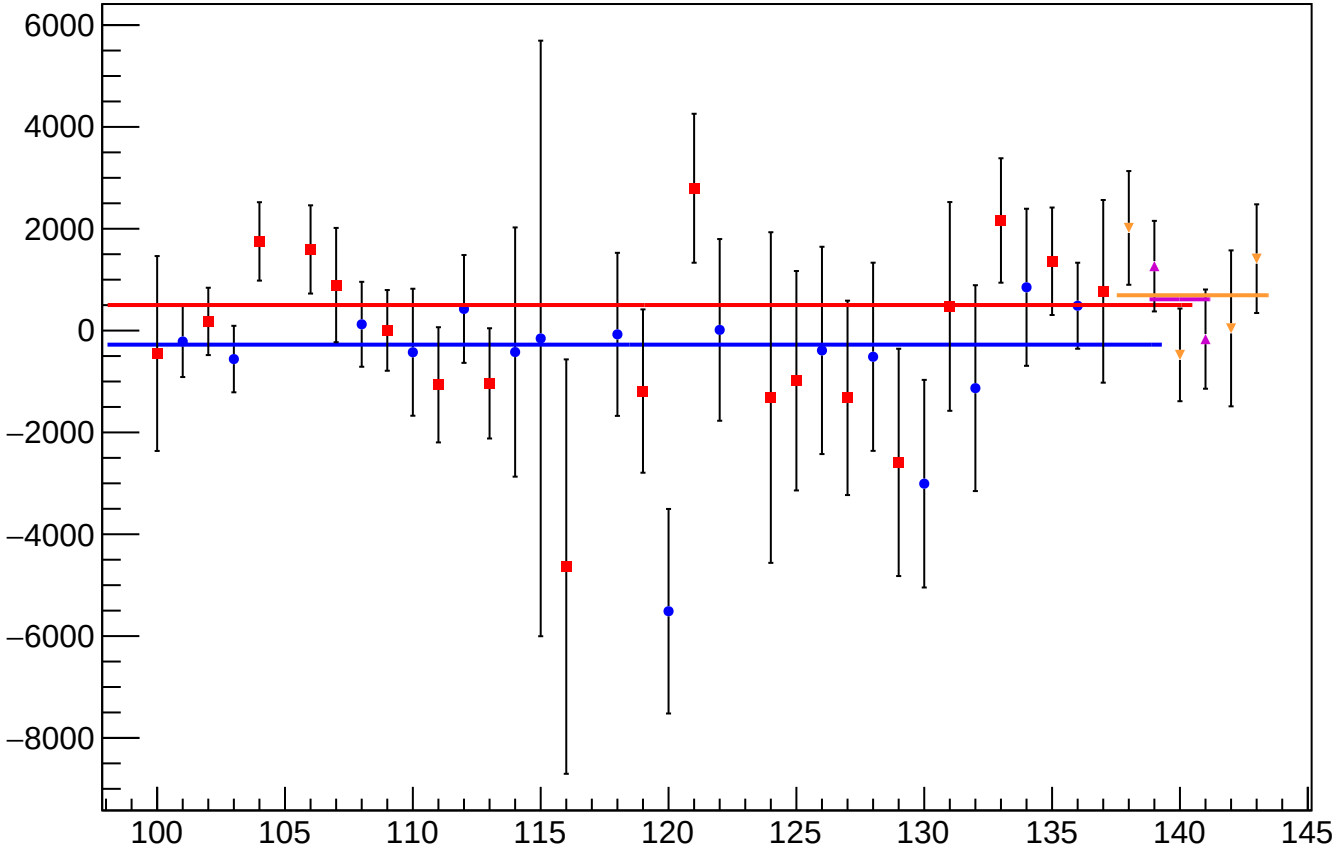
Left In: 884.919+/-0.479 χ^2/NDF:12971.6/1

+ sign 811.314+/-0.190 χ^2/NDF: 1940753.8/19

All: 773.029+/-0.132 χ^2/NDF: 3909792.4/40

- sign 737.671+/-0.183 χ^2/NDF: 1890879.6/20

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 693.967+/-549.409 χ^2/NDF:3.7/3

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

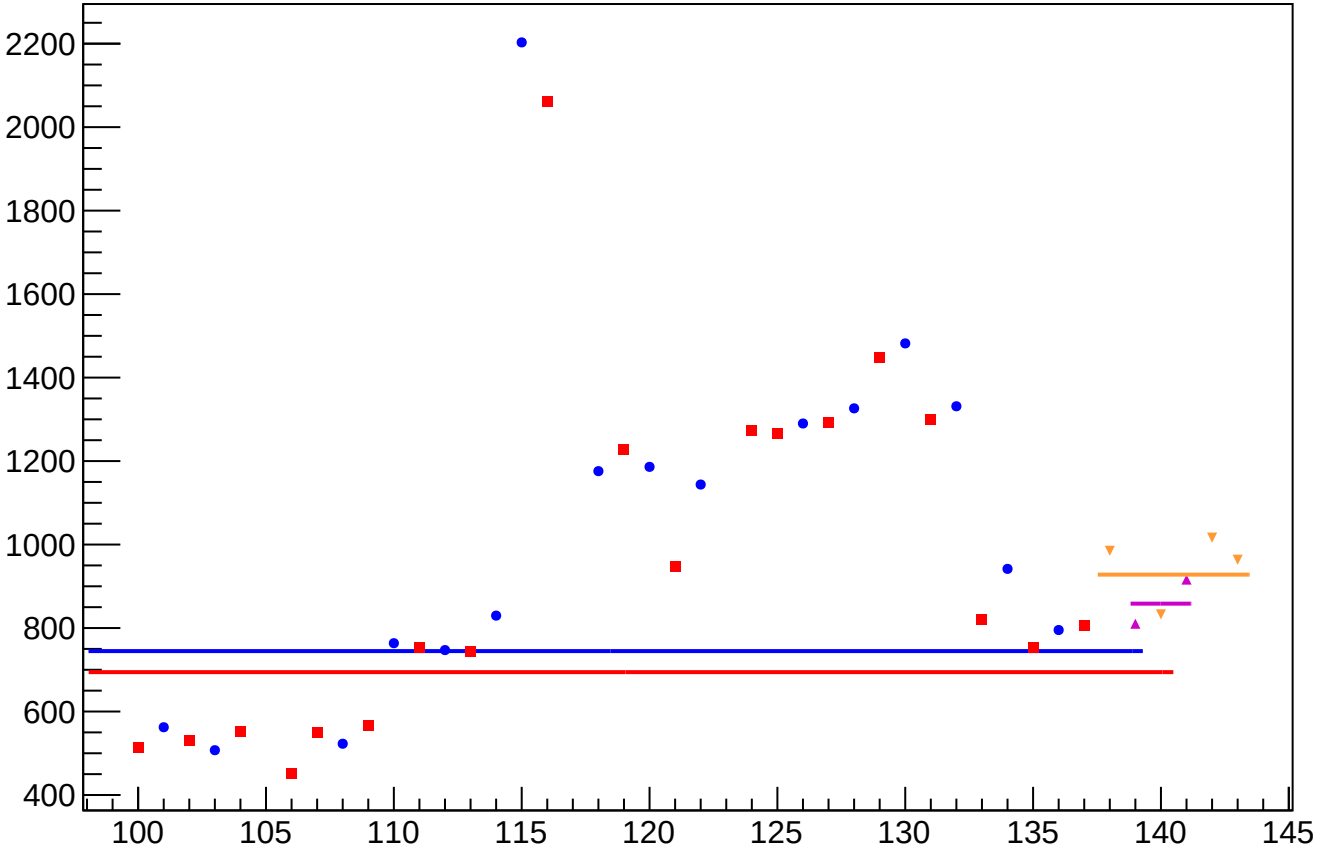
Left In: 614.484+/-656.814 χ^2/NDF:1.2/1

\+ sign -57.136+/-261.070 χ^2/NDF: 17.2/19

All: 240.788+/-181.344 χ^2/NDF: 41.4/40

\- sign 518.556+/-252.084 χ^2/NDF: 21.7/20

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 927.973+/-0.388 χ^2/NDF:36006.2/3

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

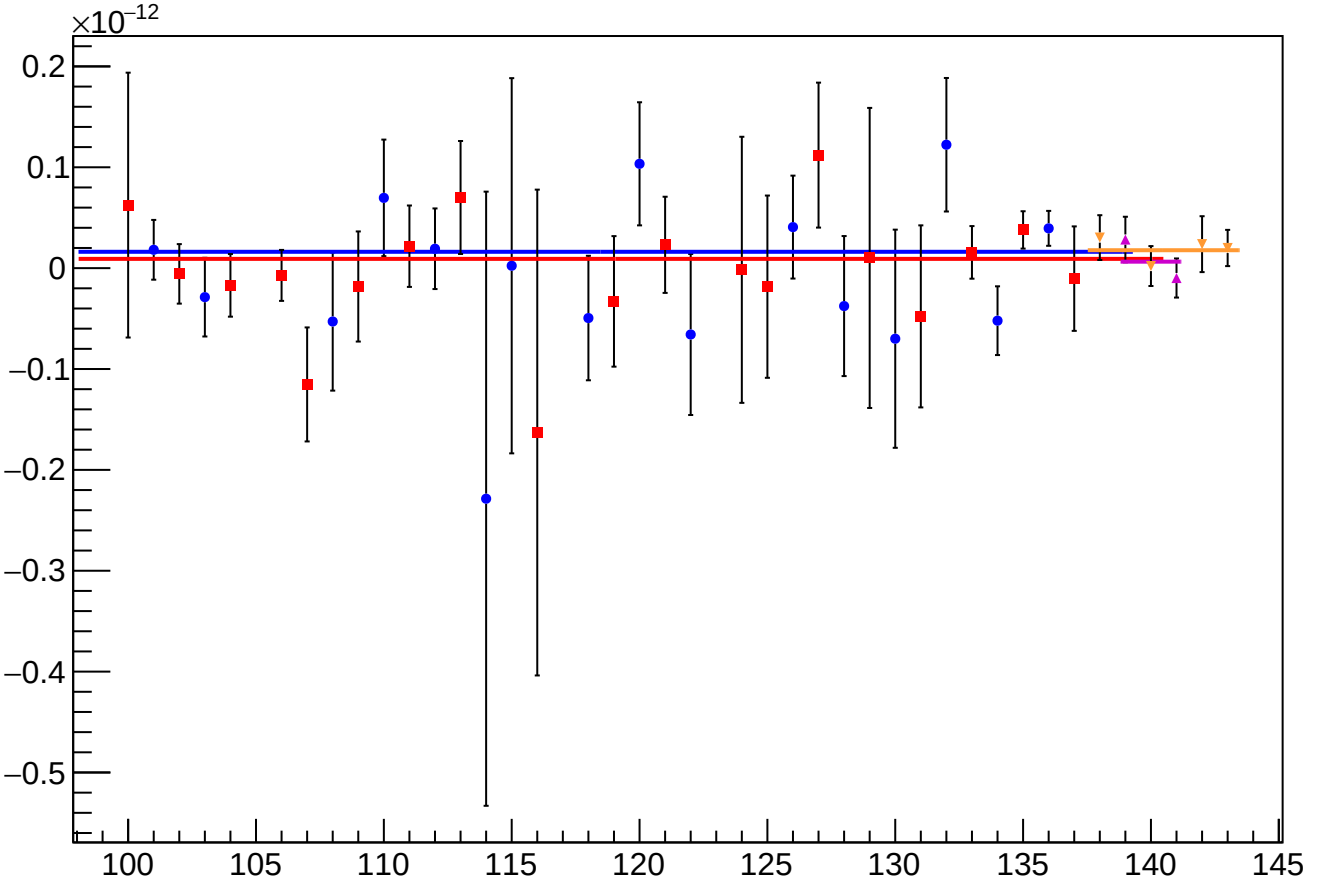
Left In: 858.436+/-0.464 χ^2/NDF:12848.0/1

+ sign 786.147+/-0.185 χ^2/NDF: 2030706.5/19

All: 751.149+/-0.128 χ^2/NDF: 4023186.3/40

- sign 718.519+/-0.178 χ^2/NDF: 1923027.0/20

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

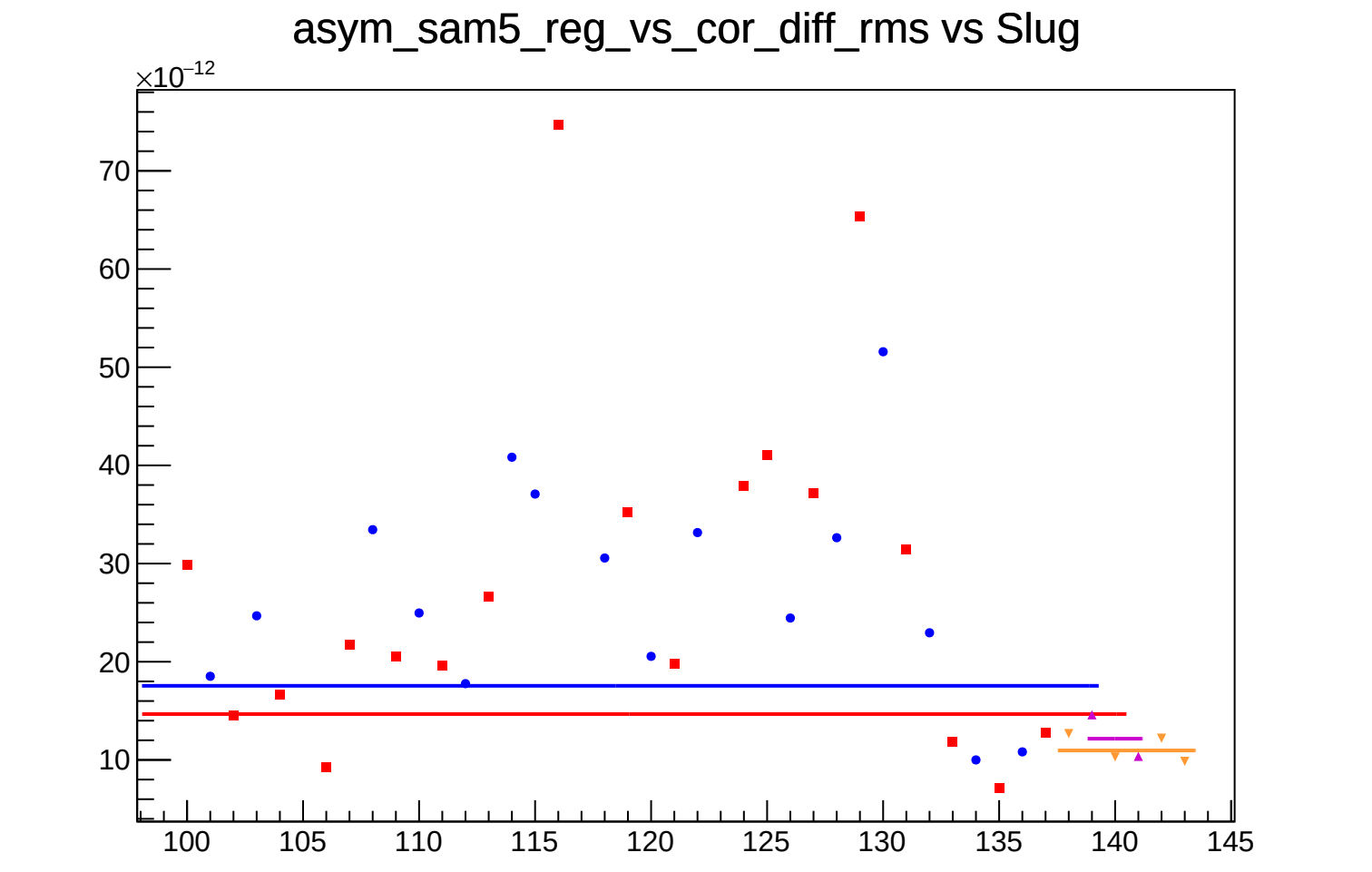
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 19.0/19

All: 0.000+/-0.000 χ^2/NDF: 35.4/40

- sign 0.000+/-0.000 χ^2/NDF: 15.8/20


asym_sam5_reg_vs_cor_diff_rms vs Slug
×10^−12
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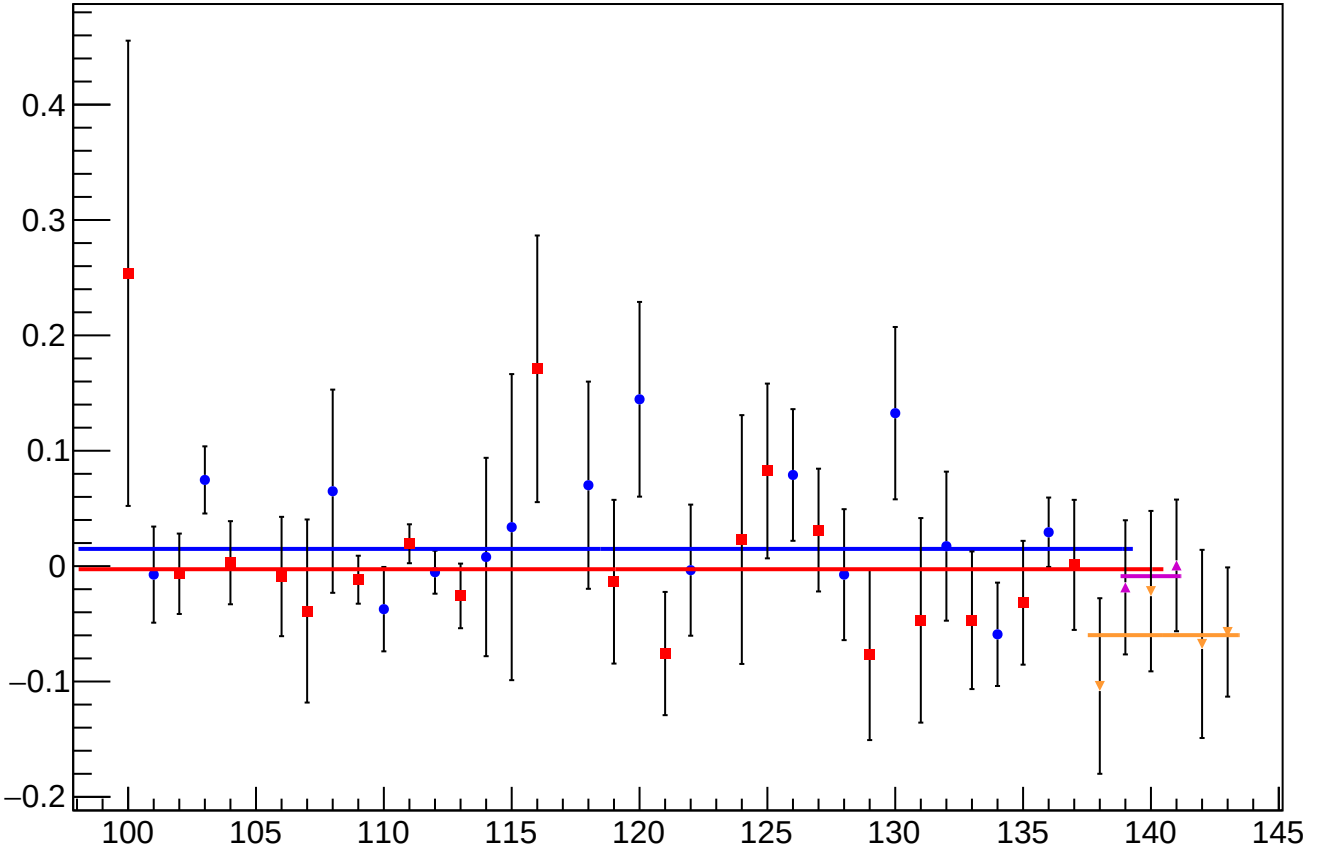
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:25934.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:40470.3/1
+ sign 0.000+/-0.000 χ²/NDF: 1567318.8/19
All: 0.000+/-0.000 χ²/NDF: 3392049.2/40
- sign 0.000+/-0.000 χ²/NDF: 1823523.4/20

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

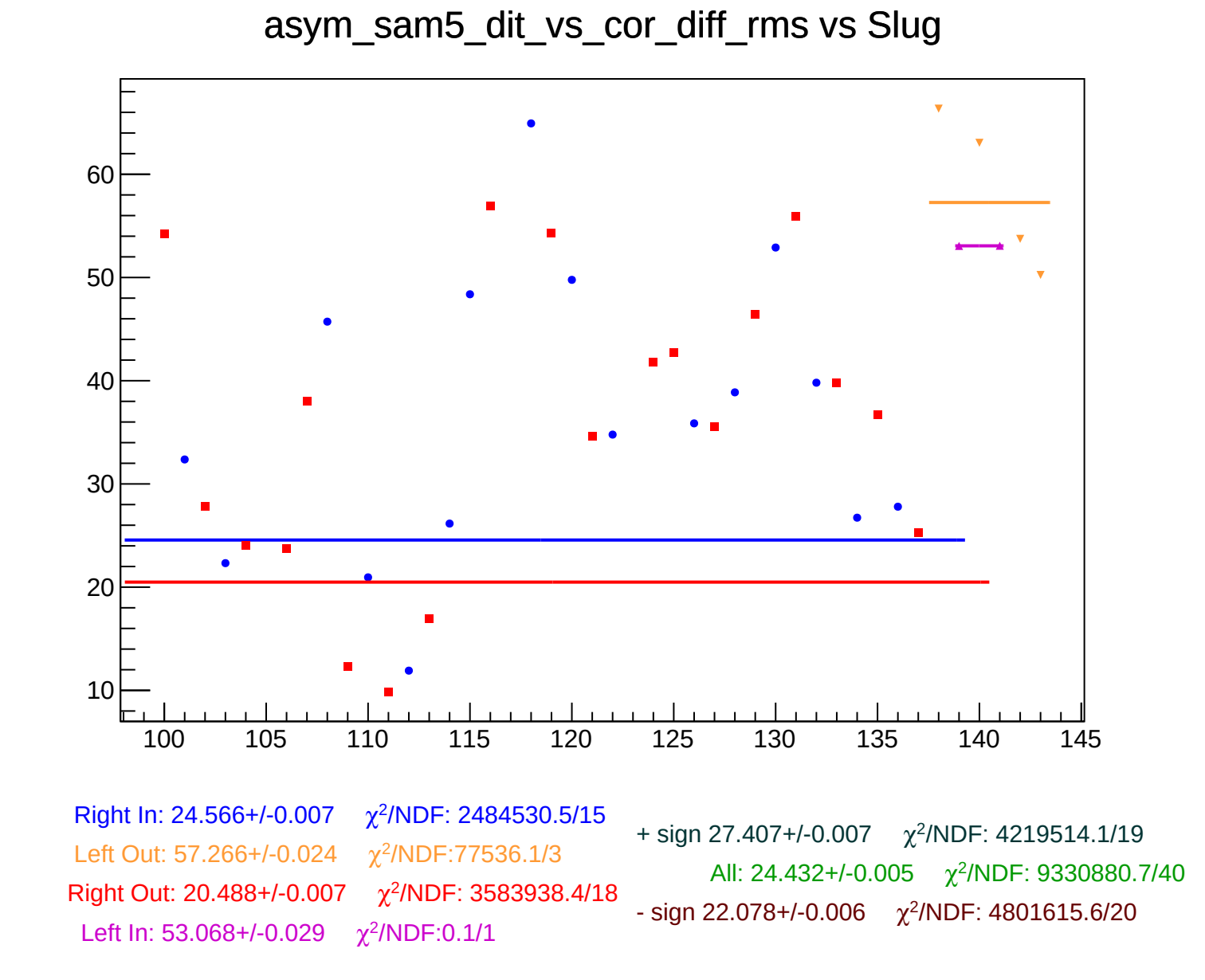
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.009+/-0.041 χ^2/NDF:0.1/1

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/19

All: 0.002+/-0.007 χ^2/NDF: 36.0/40

- sign -0.003+/-0.009 χ^2/NDF: 12.5/20


asym_sam5_dit_vs_cor_diff_rms vs Slug
60
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115
120
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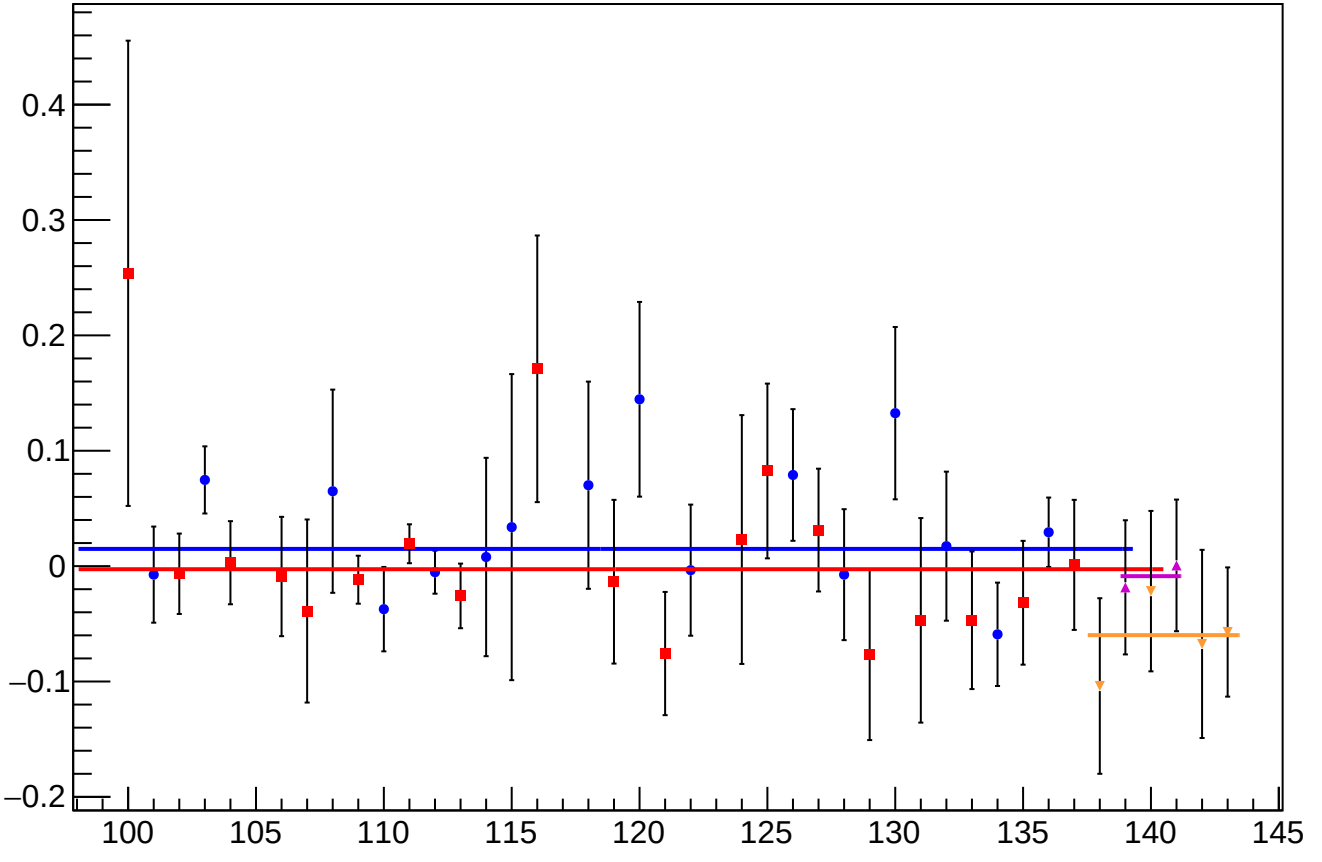
135
140
145
Right In: 24.566+/-0.007 χ²/NDF: 2484530.5/15
Left Out: 57.266+/-0.024 χ²/NDF:77536.1/3
Right Out: 20.488+/-0.007 χ²/NDF: 3583938.4/18
Left In: 53.068+/-0.029 χ²/NDF:0.1/1
+ sign 27.407+/-0.007 χ²/NDF: 4219514.1/19
All: 24.432+/-0.005 χ²/NDF: 9330880.7/40
- sign 22.078+/-0.006 χ²/NDF: 4801615.6/20

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

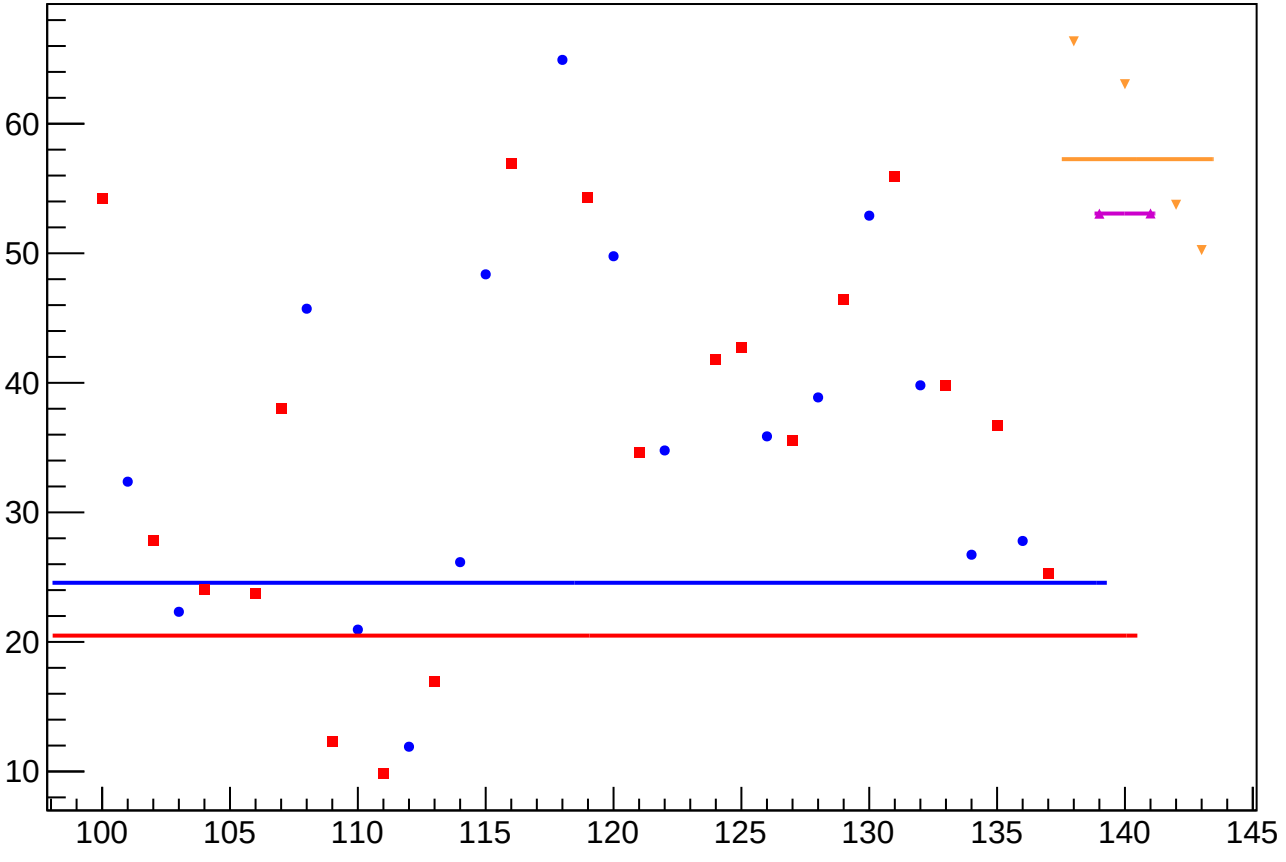
Left In: -0.009+/-0.041 χ^2/NDF:0.1/1

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/19

All: 0.002+/-0.007 χ^2/NDF: 36.0/40

- sign -0.003+/-0.009 χ^2/NDF: 12.5/20

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77536.1/3

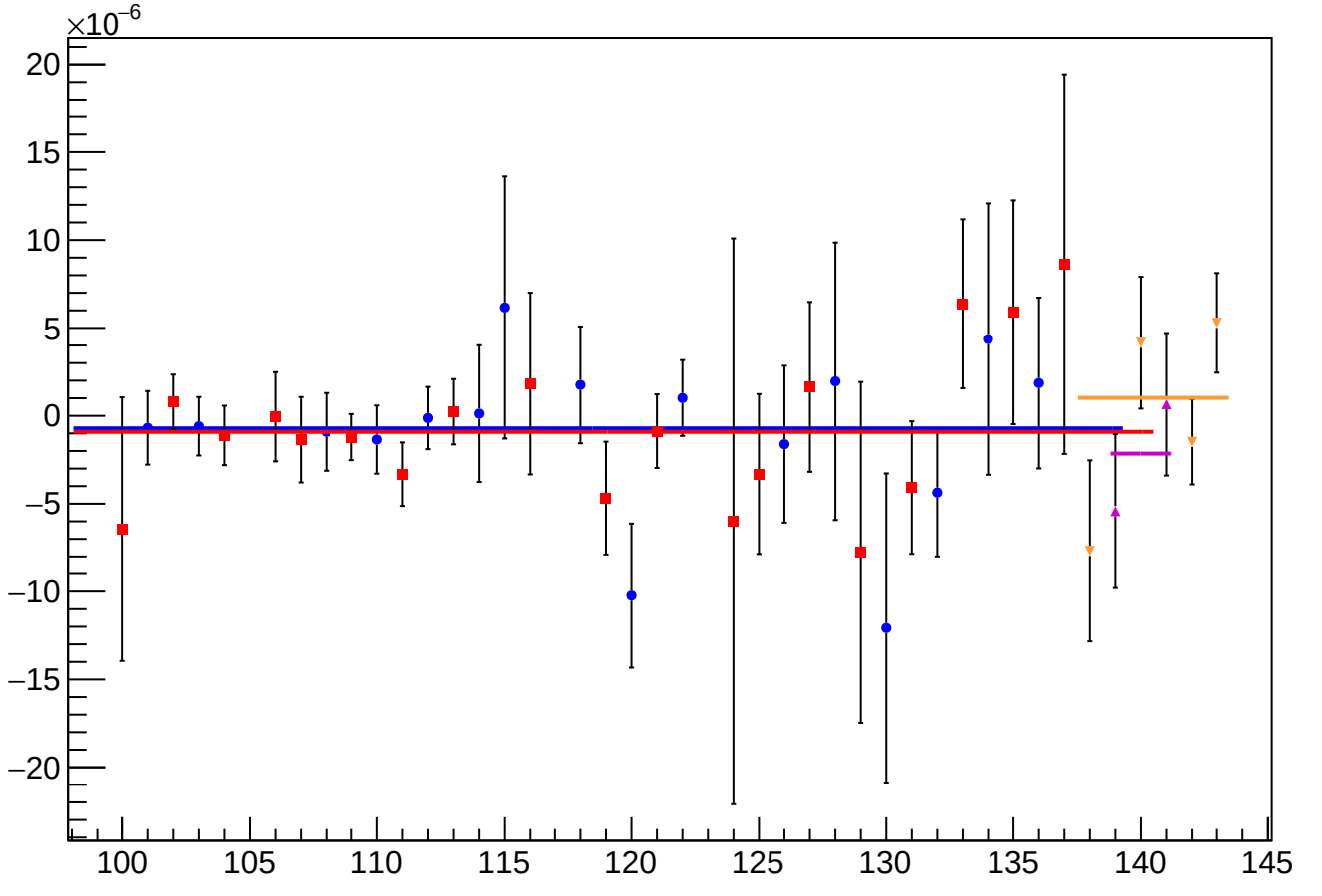
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.068+/-0.029 χ^2/NDF:0.1/1

+ sign 27.407+/-0.007 χ^2/NDF: 4219514.1/19

All: 24.432+/-0.005 χ^2/NDF: 9330880.7/40

- sign 22.078+/-0.006 χ^2/NDF: 4801615.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/3

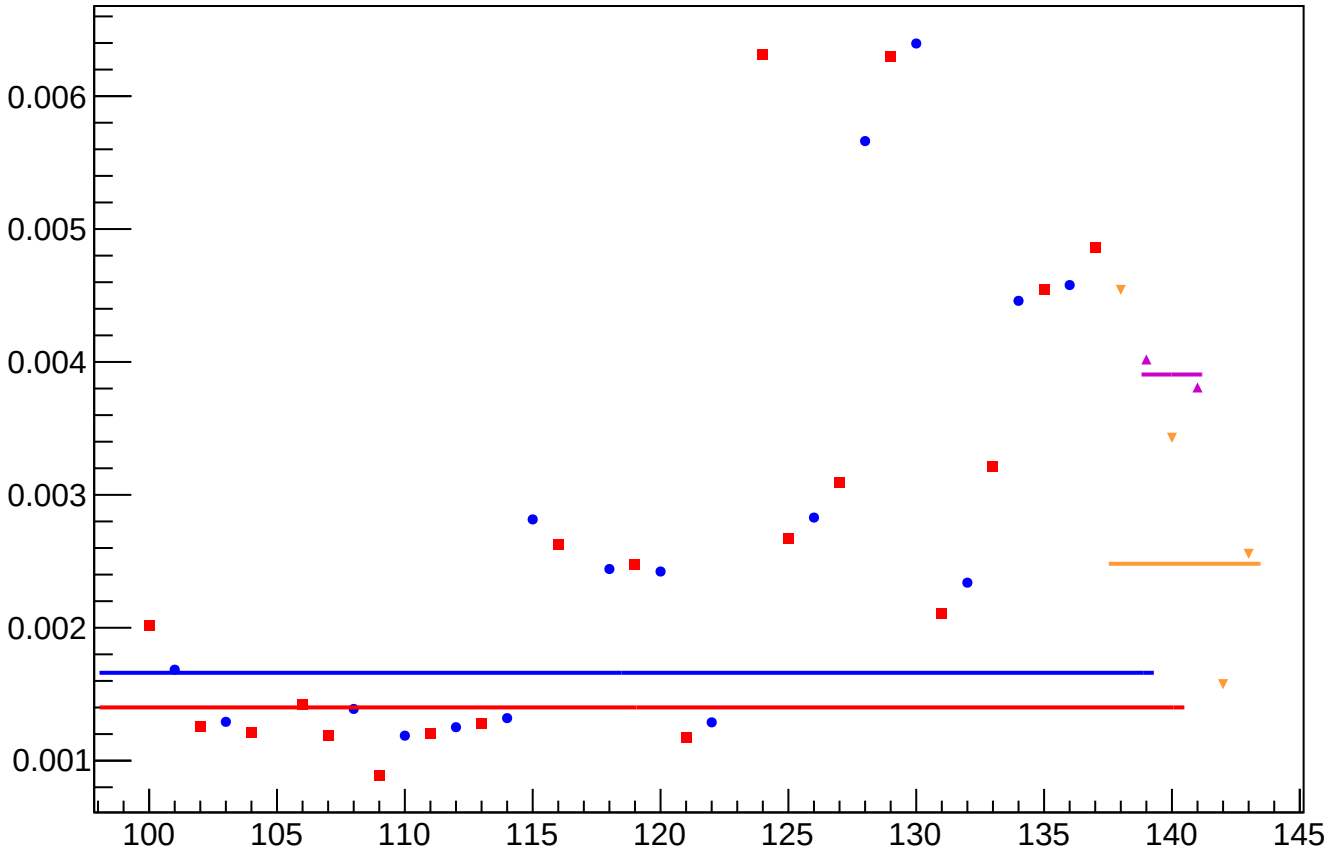
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/19

All: -0.000+/-0.000 χ^2/NDF: 32.6/40

- sign -0.000+/-0.000 χ^2/NDF: 13.1/20



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:729410.0/3

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

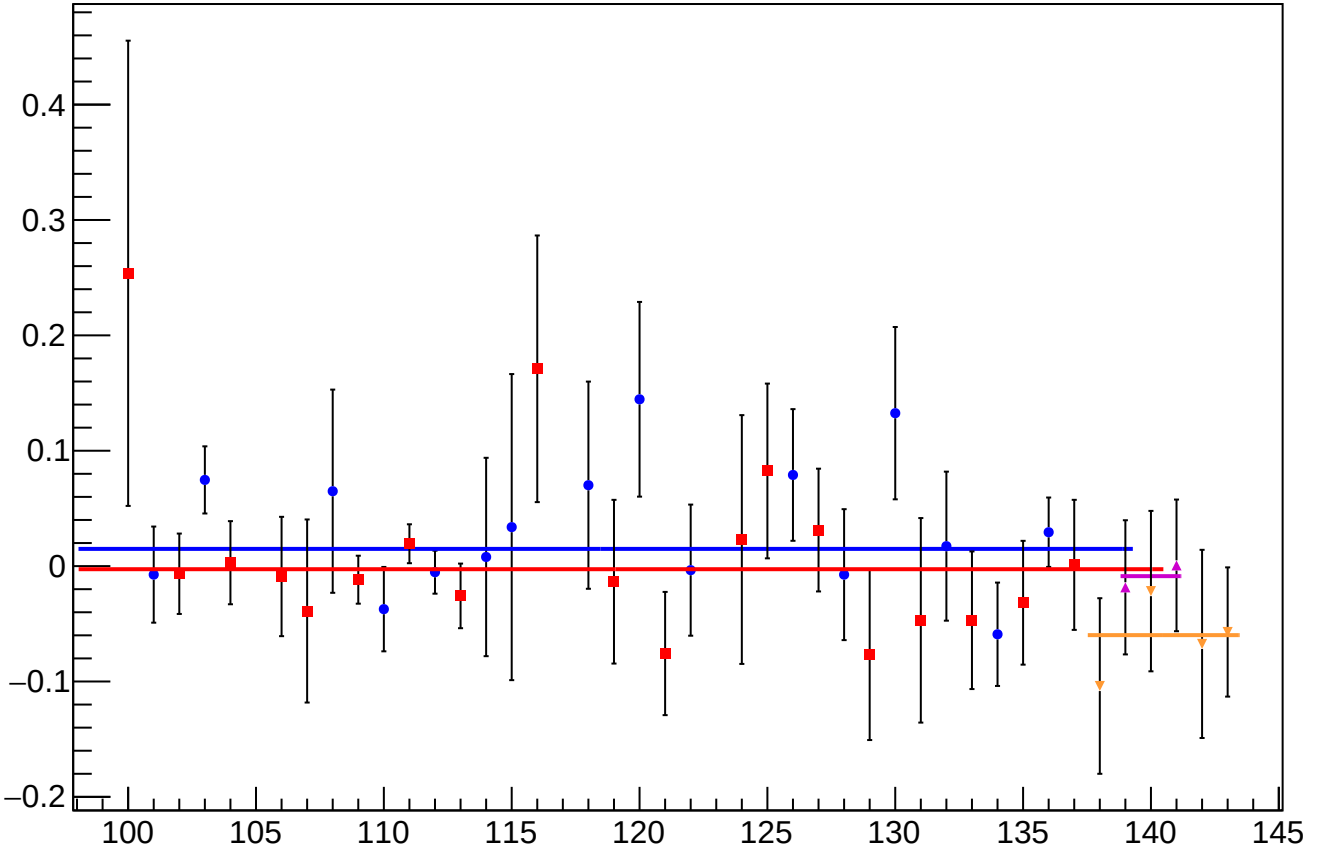
Left In: 0.004+/-0.000 χ^2/NDF:2495.1/1

+ sign 0.002+/-0.000 χ^2/NDF: 4125527.8/19

All: 0.002+/-0.000 χ^2/NDF: 8655596.0/40

- sign 0.001+/-0.000 χ^2/NDF: 4283985.5/20

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

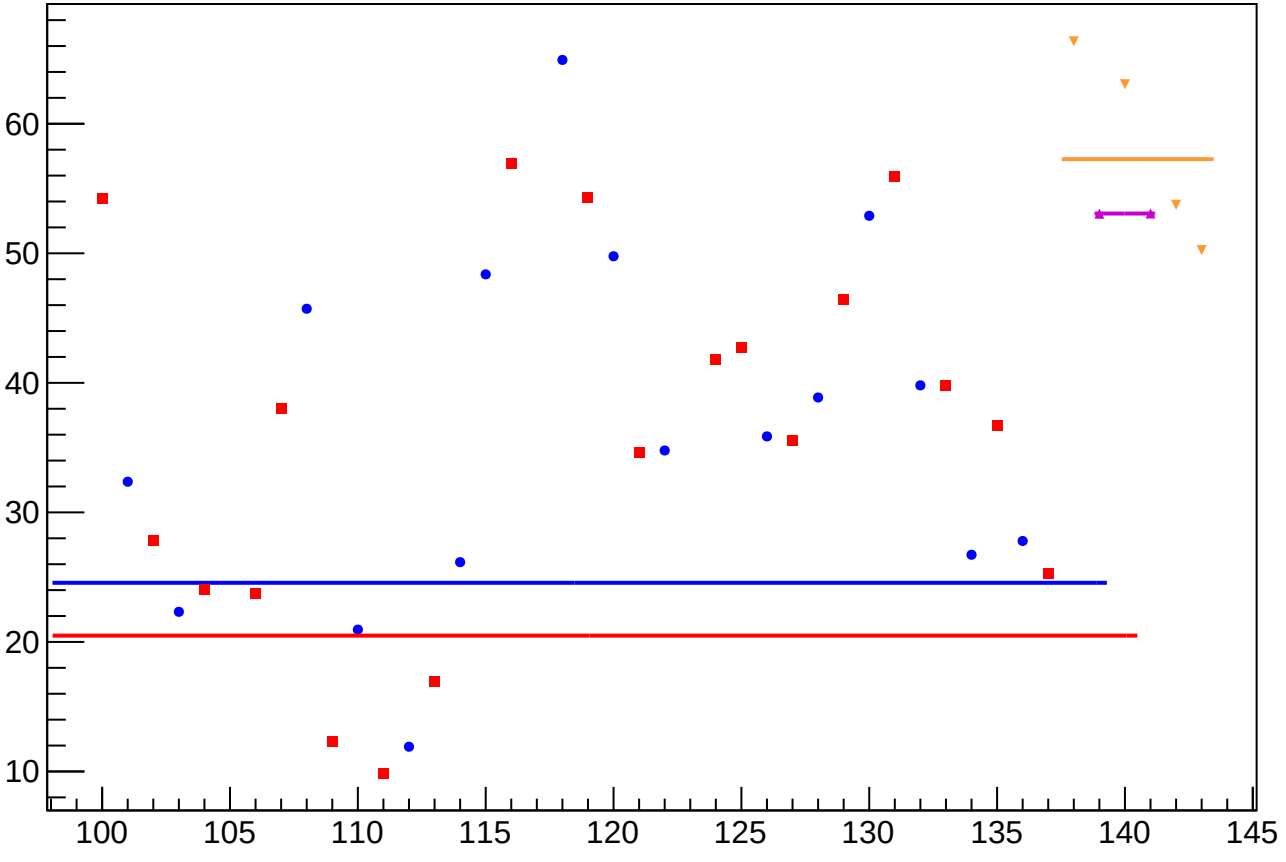
Left In: -0.009+/-0.041 χ^2/NDF:0.1/1

+ sign 0.008+/-0.010 χ^2/NDF: 22.8/19

All: 0.002+/-0.007 χ^2/NDF: 36.0/40

- sign -0.003+/-0.009 χ^2/NDF: 12.5/20

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77573.4/3

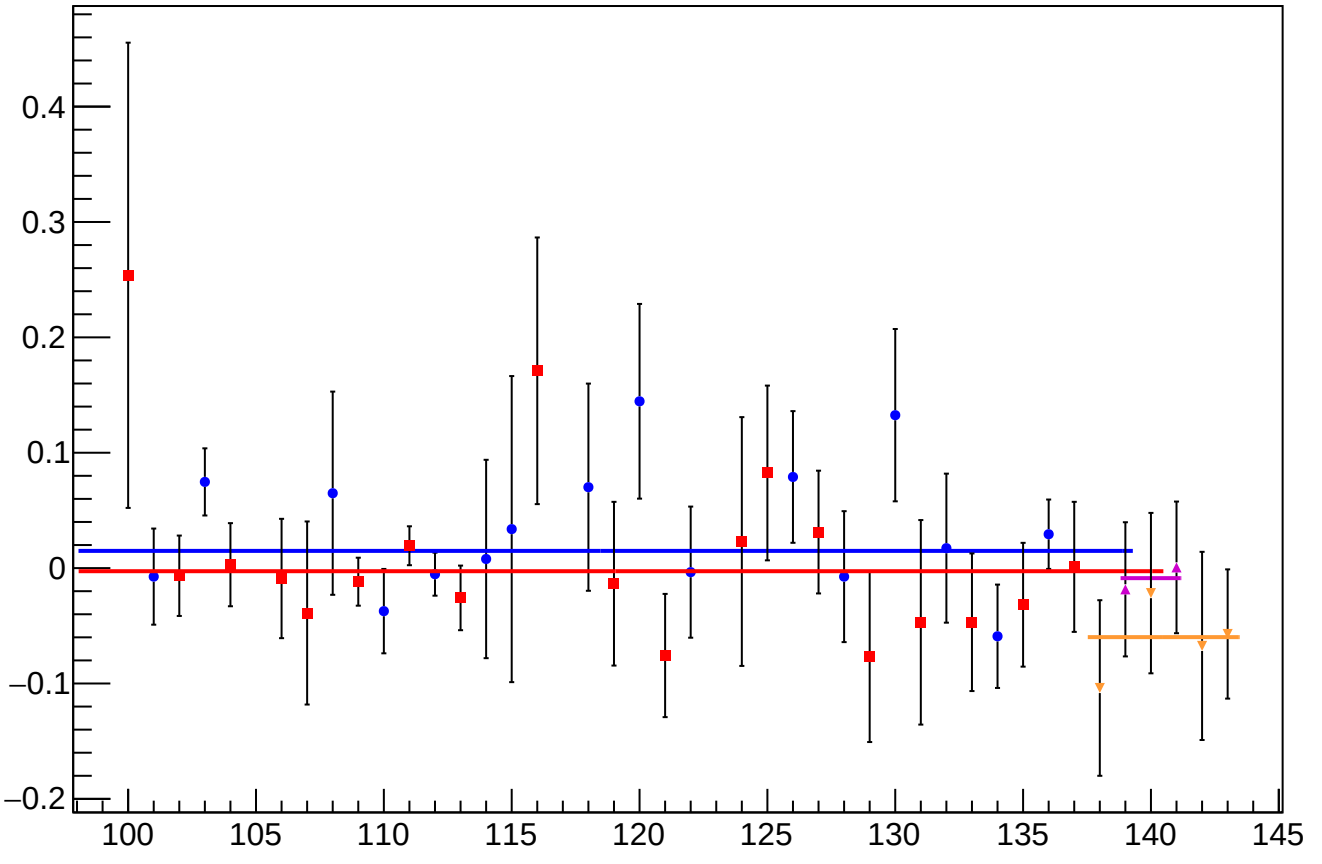
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

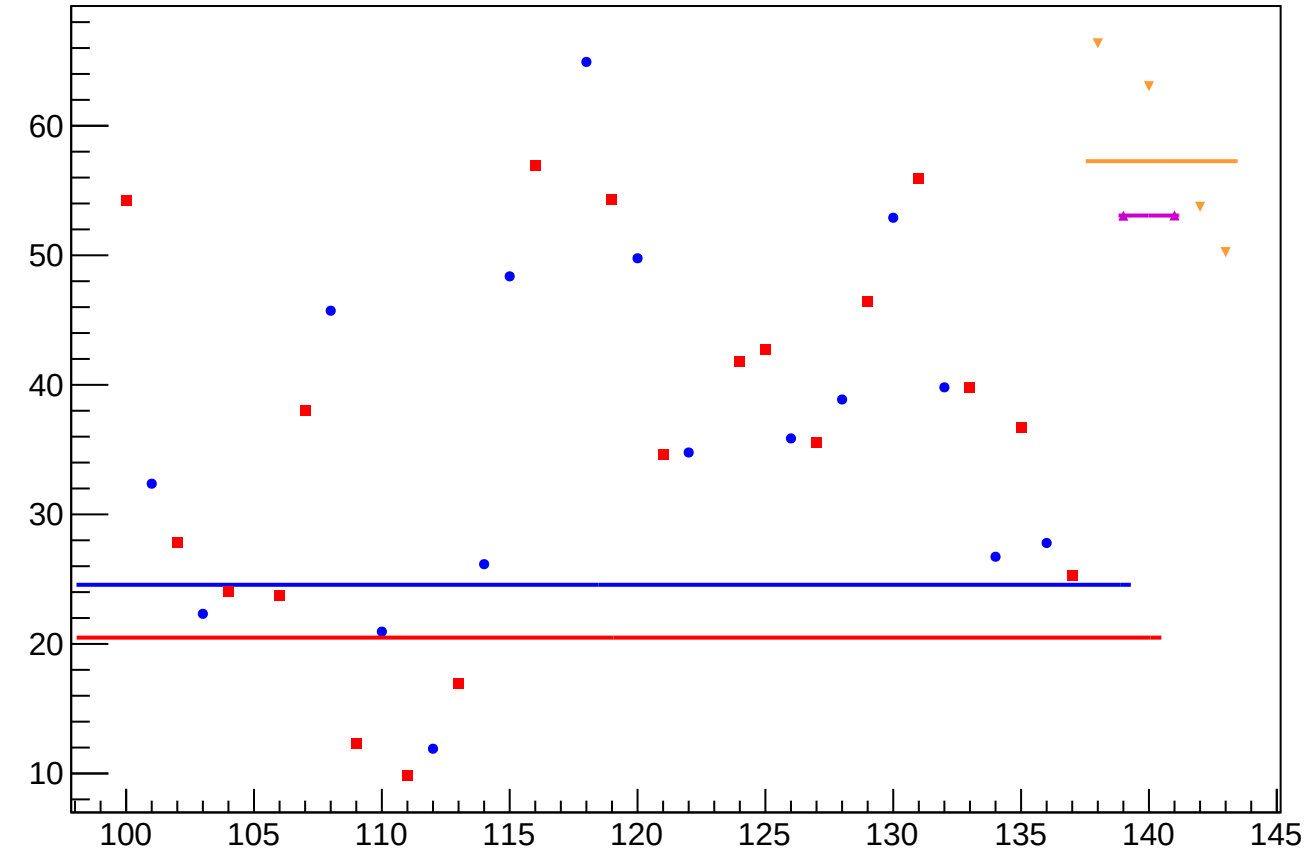
Left In: 53.070+/-0.029 χ^2/NDF:0.1/1

\+ sign 27.406+/-0.007 χ^2/NDF: 4219520.4/19

All: 24.431+/-0.005 χ^2/NDF: 9330963.9/40

\- sign 22.078+/-0.006 χ^2/NDF: 4801680.7/20


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.060+/-0.034 χ²/NDF:0.6/3
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.009+/-0.041 χ²/NDF:0.1/1
+ sign 0.008+/-0.010 χ²/NDF: 22.8/19
All: 0.002+/-0.007 χ²/NDF: 36.0/40
- sign -0.003+/-0.009 χ²/NDF: 12.5/20



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77573.4/3

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

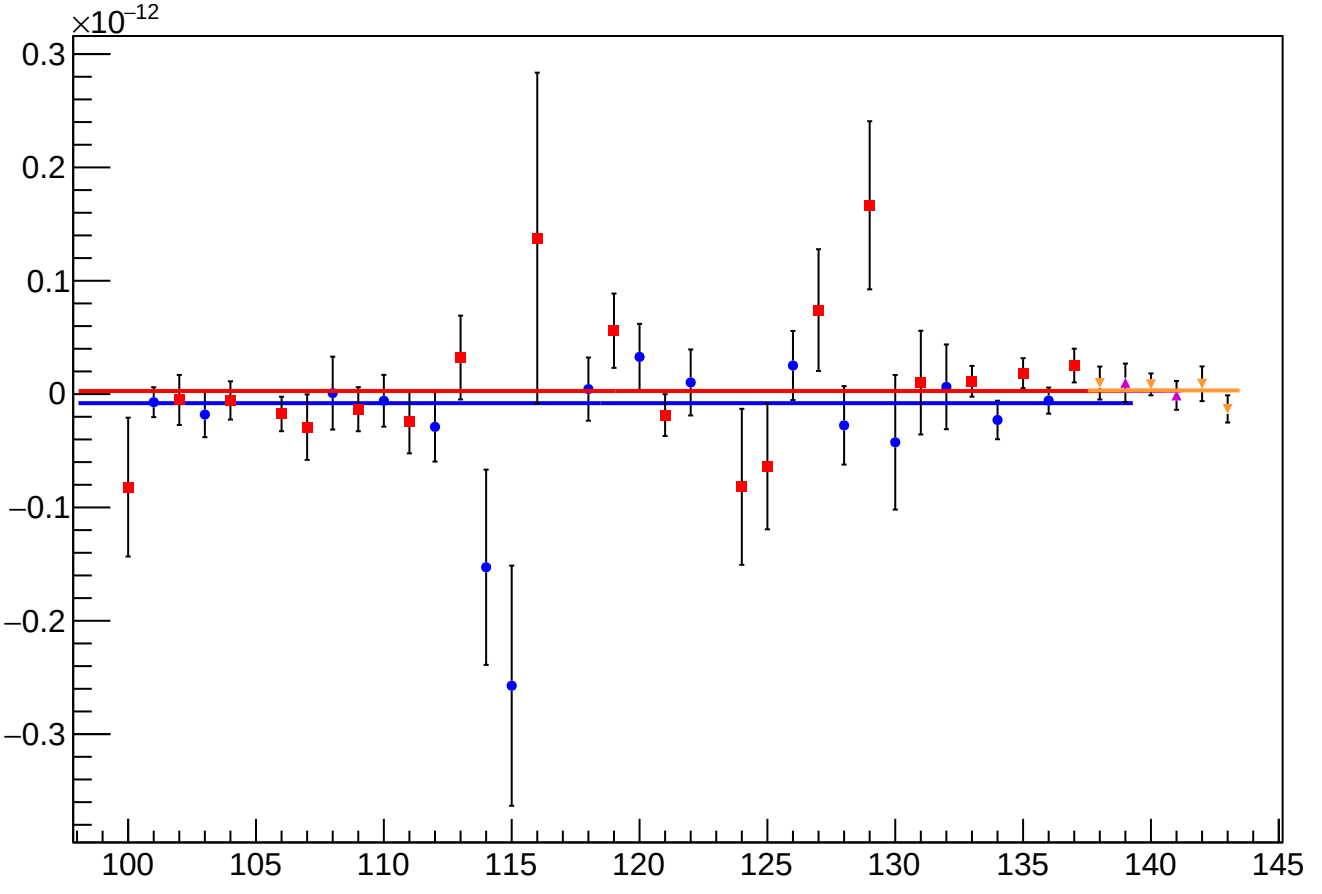
Left In: 53.070+/-0.029 χ^2/NDF:0.1/1

+ sign 27.406+/-0.007 χ^2/NDF: 4219520.4/19

All: 24.431+/-0.005 χ^2/NDF: 9330963.9/40

- sign 22.078+/-0.006 χ^2/NDF: 4801680.7/20

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:2.5/3

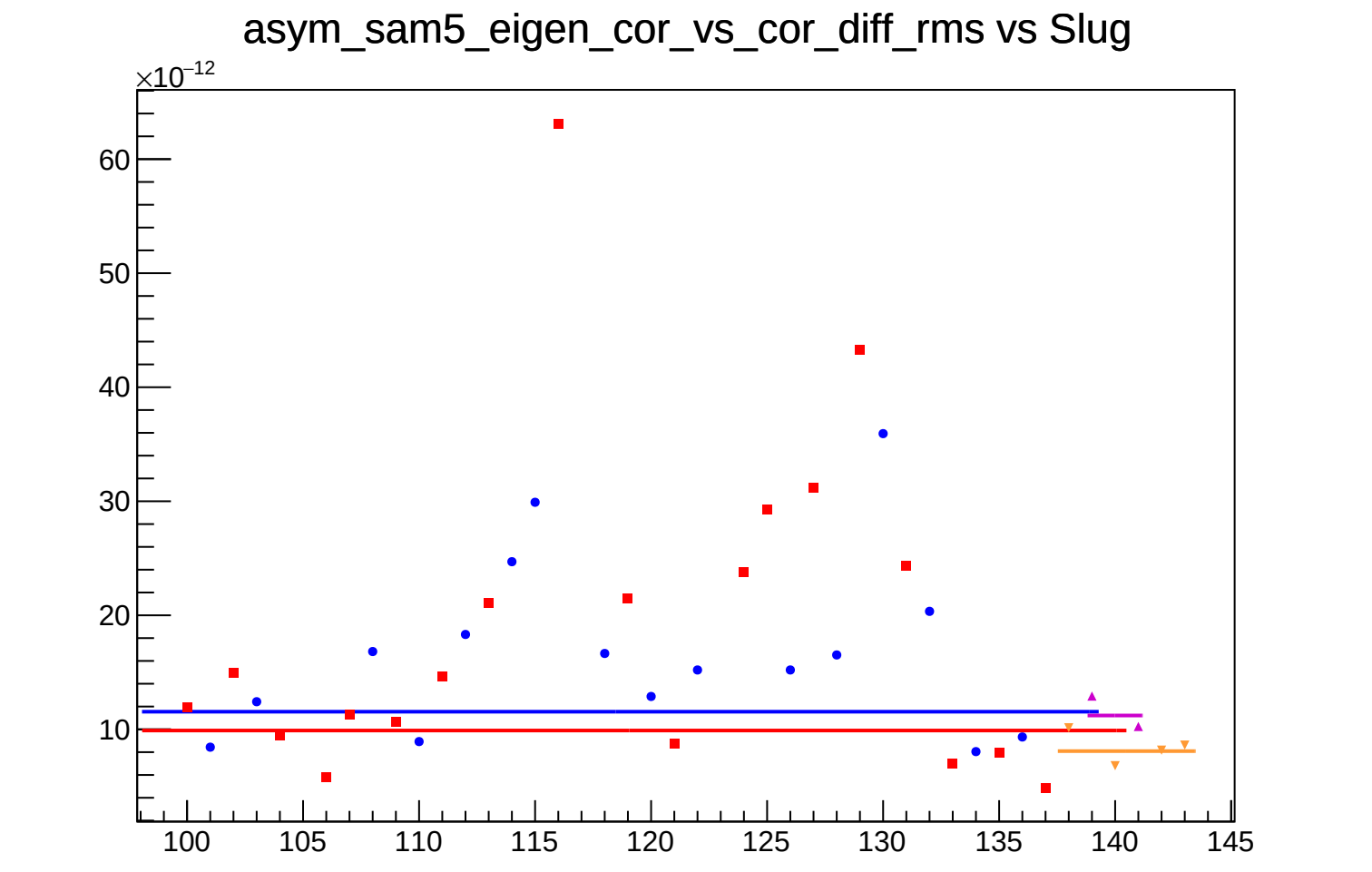
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.8/19

All: -0.000+/-0.000 χ^2/NDF: 45.9/40

- sign 0.000+/-0.000 χ^2/NDF: 26.4/20


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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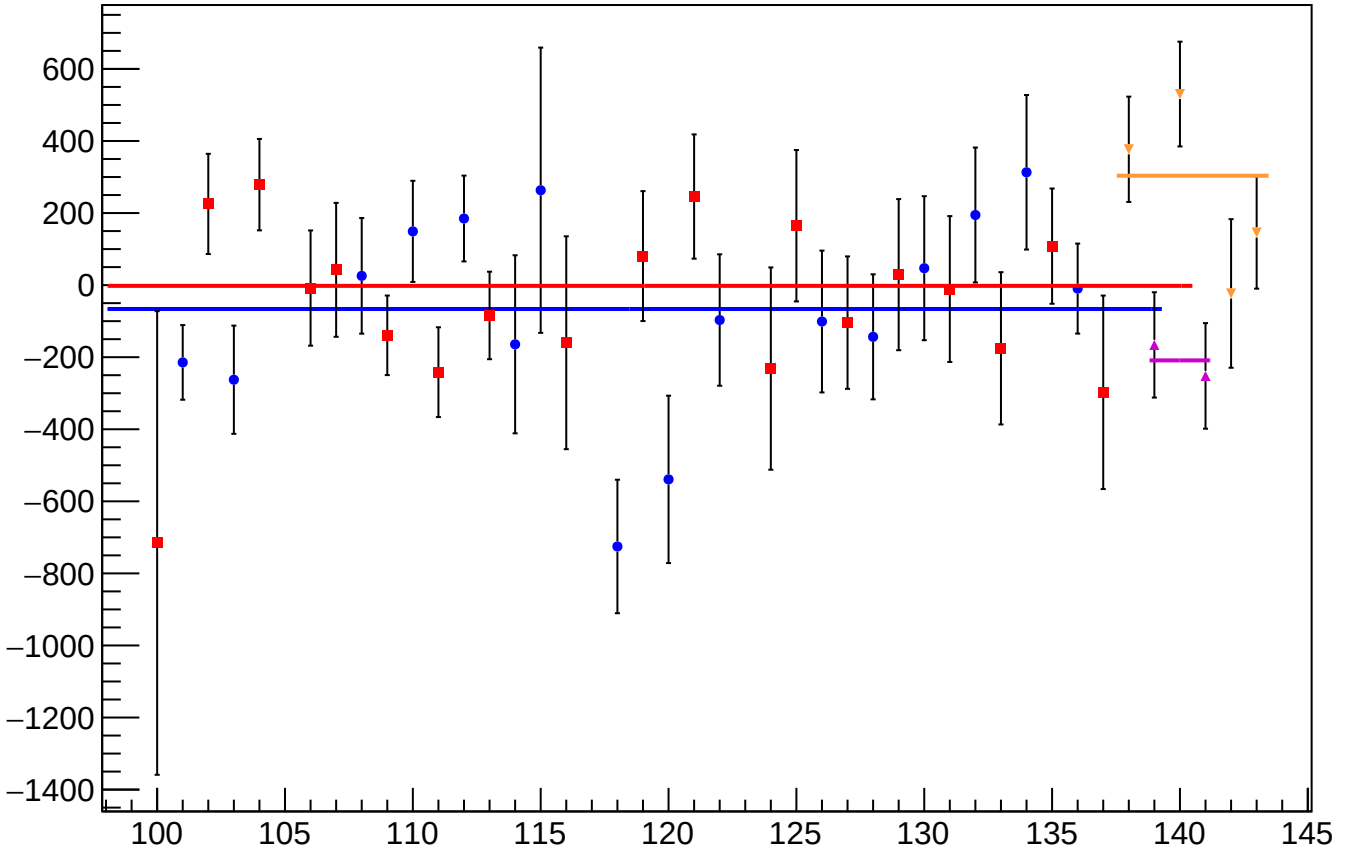
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:78690.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:31663.8/1
+ sign 0.000+/-0.000 χ²/NDF: 1595612.4/19
All: 0.000+/-0.000 χ²/NDF: 4292787.0/40
- sign 0.000+/-0.000 χ²/NDF: 2693978.0/20

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.569+/-79.349 χ^2/NDF:6.2/3

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

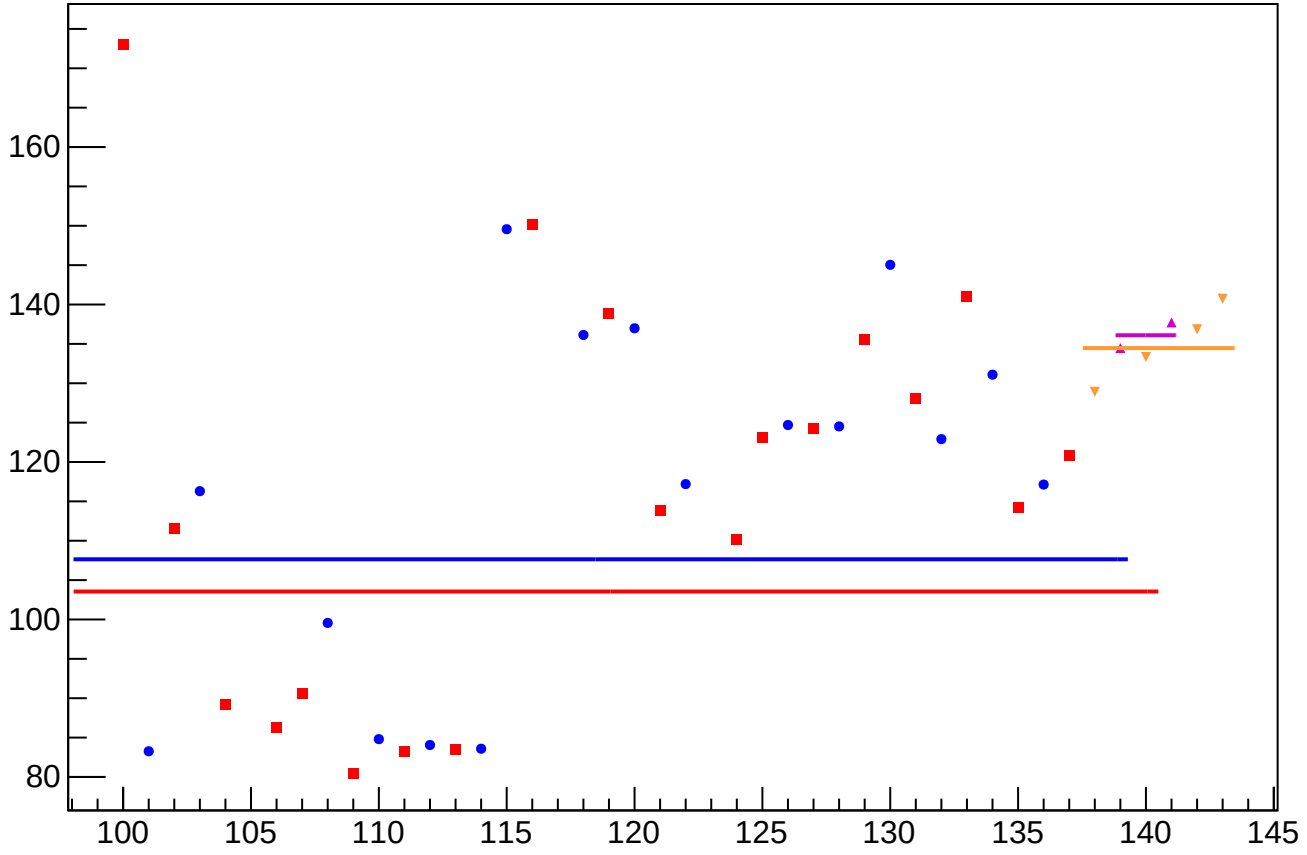
Left In: -208.827+/-103.488 χ^2/NDF:0.2/1

+ sign 11.506+/-36.381 χ^2/NDF: 57.8/19

All: -8.035+/-25.727 χ^2/NDF: 83.1/40

- sign -27.582+/-36.385 χ^2/NDF: 24.8/20

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

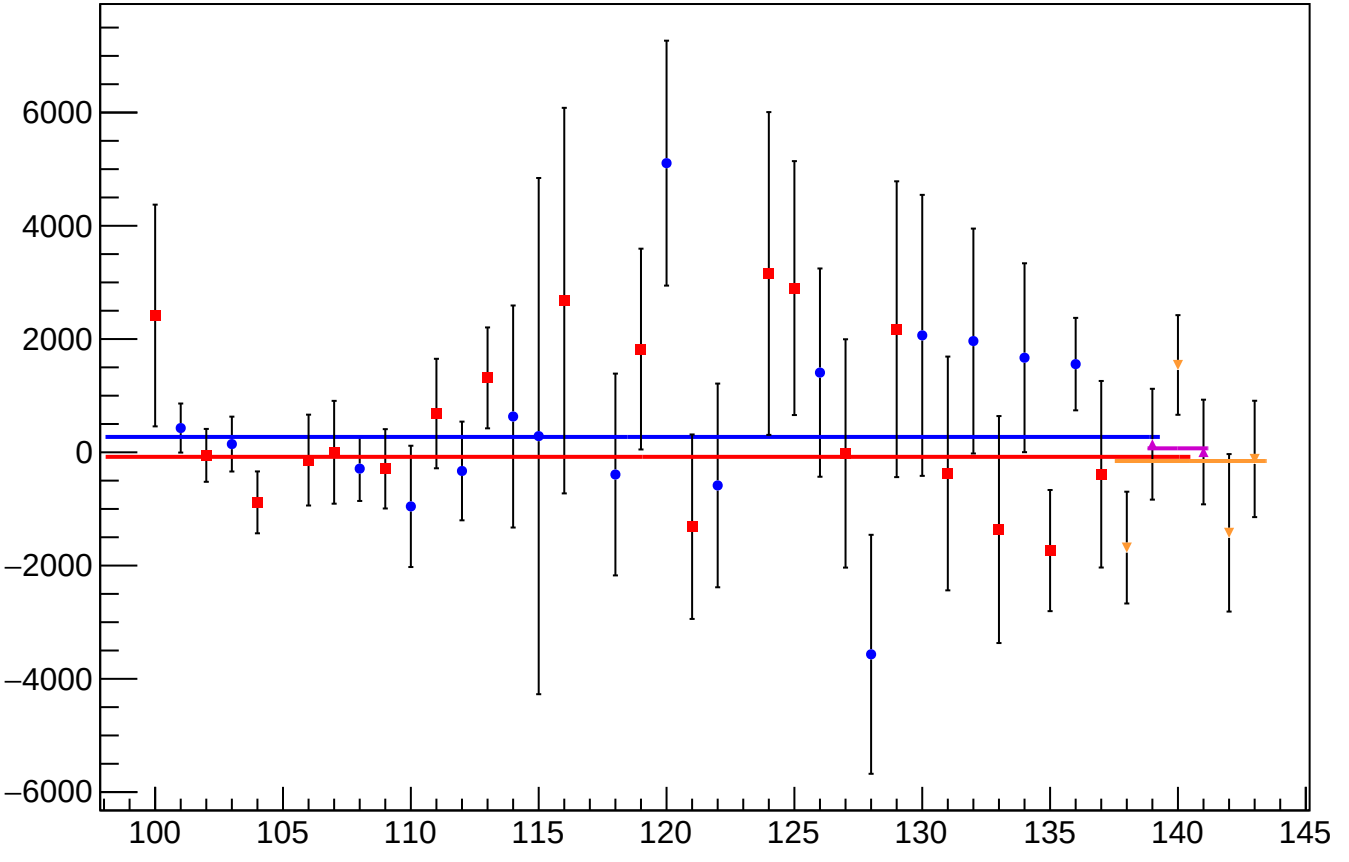
Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

+ sign 113.282+/-0.026 χ^2/NDF: 719818.4/19

All: 110.428+/-0.018 χ^2/NDF: 1535643.6/40

- sign 107.573+/-0.026 χ^2/NDF: 791197.9/20

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: -153.559+/-514.132 χ^2/NDF:6.9/3

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

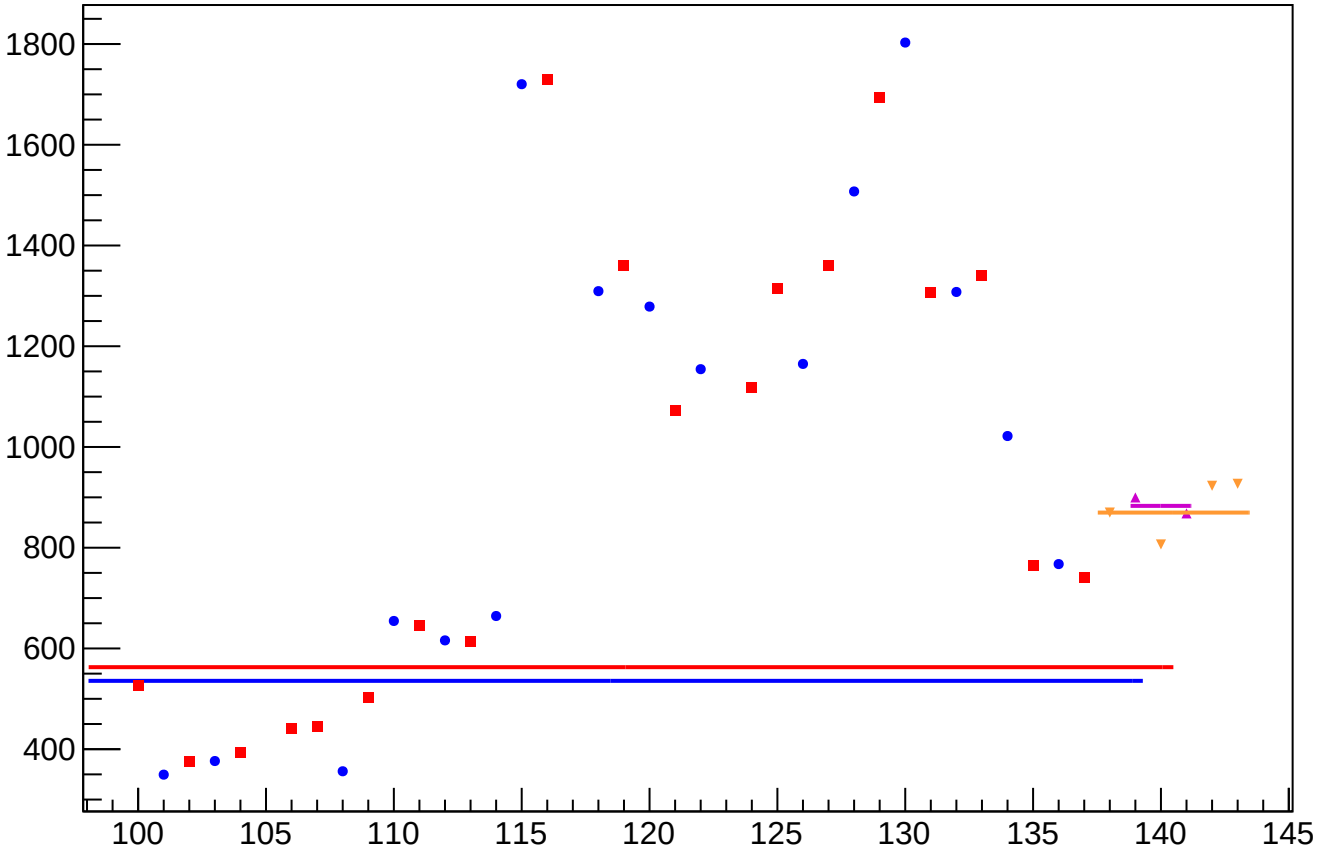
Left In: 70.076+/-671.776 χ^2/NDF:0.0/1

+ sign 200.283+/-210.453 χ^2/NDF: 24.0/19

All: 73.618+/-151.884 χ^2/NDF: 40.8/40

- sign -64.073+/-219.421 χ^2/NDF: 16.1/20

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.7/3

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

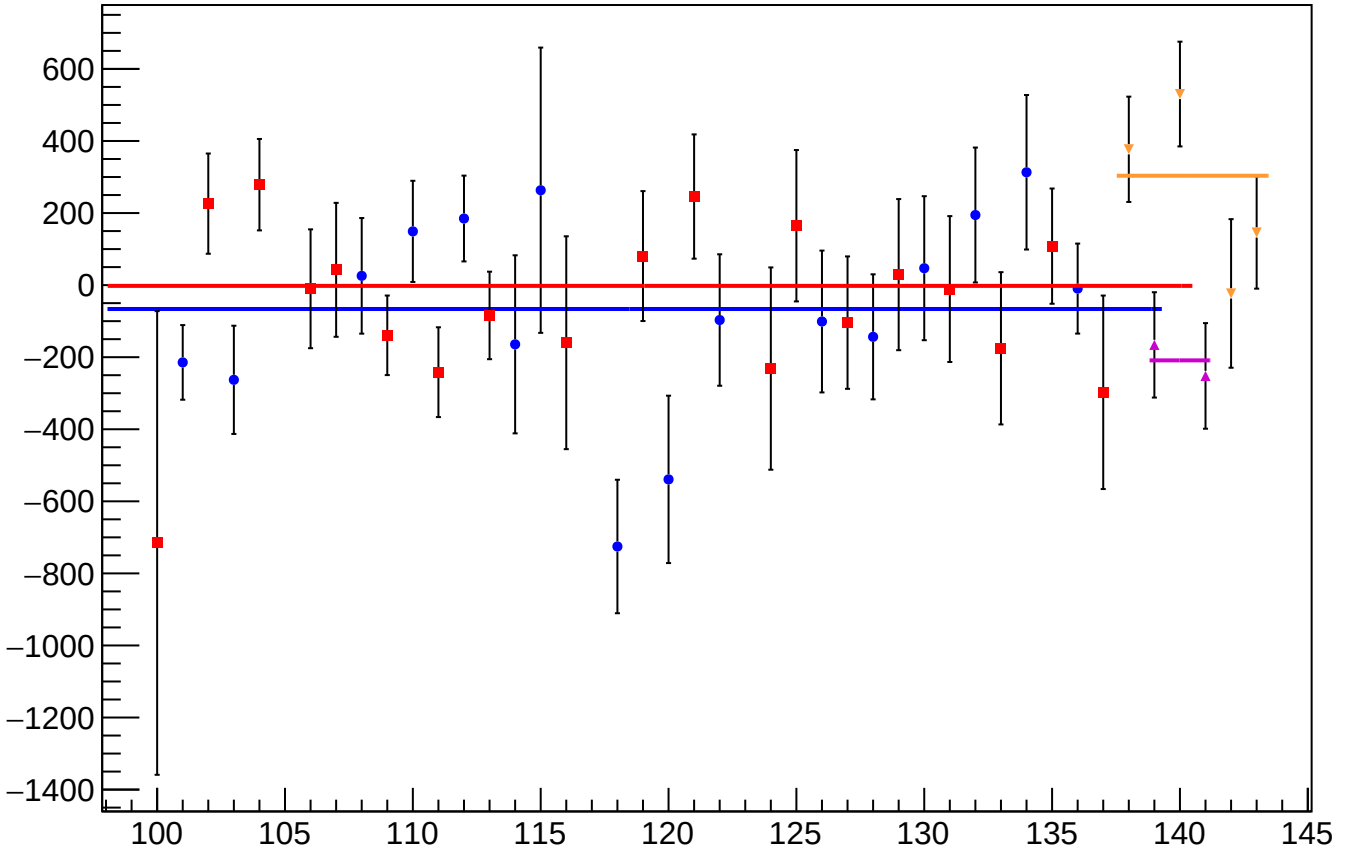
Left In: 883.069+/-0.475 χ^2/NDF:1105.9/1

+ sign 591.659+/-0.149 χ^2/NDF: 4354801.1/19

All: 594.222+/-0.107 χ^2/NDF: 7873527.0/40

- sign 597.008+/-0.155 χ^2/NDF: 3518106.9/20

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.570+/-79.349 χ^2/NDF:6.2/3

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

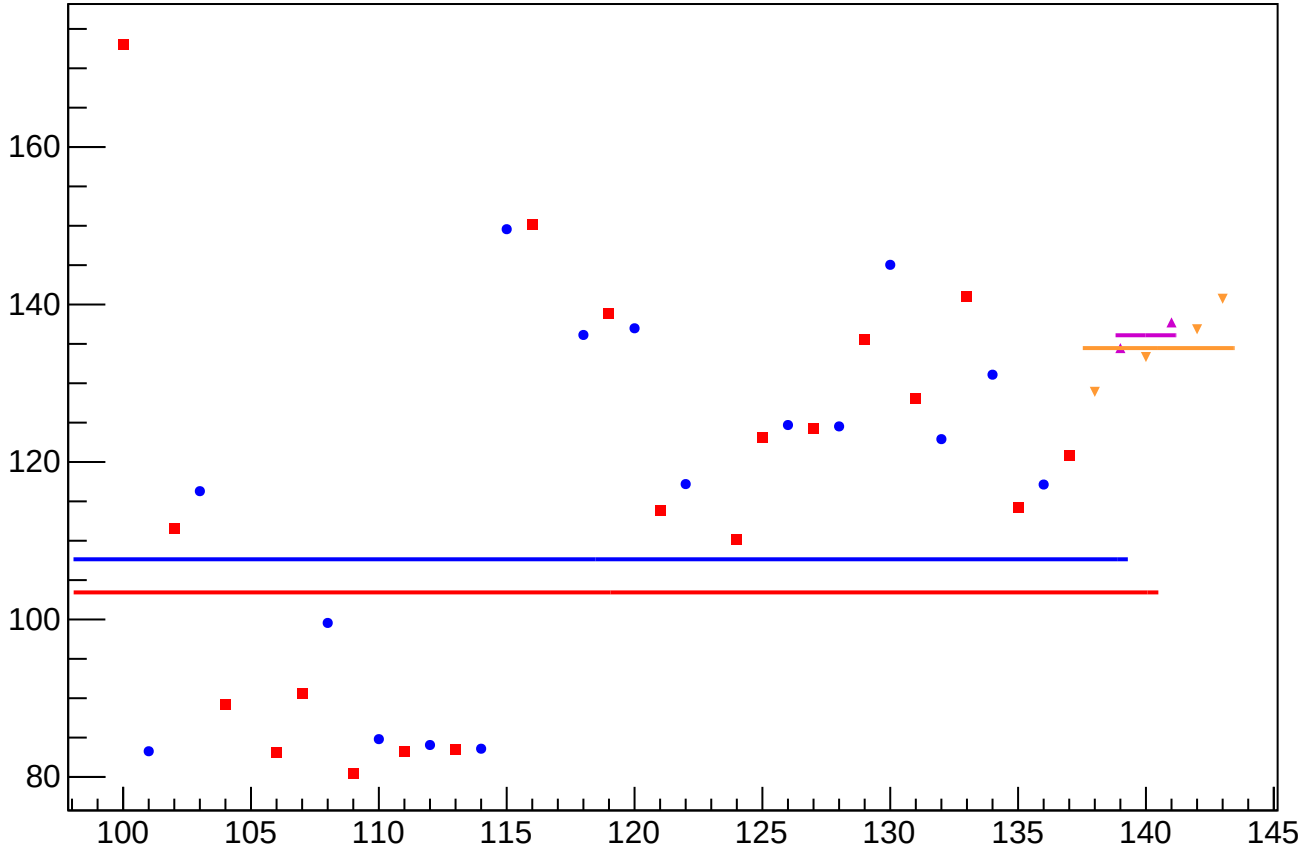
Left In: -208.828+/-103.488 χ^2/NDF:0.2/1

+ sign 11.486+/-36.381 χ^2/NDF: 57.8/19

All: -8.075+/-25.747 χ^2/NDF: 83.2/40

- sign -27.702+/-36.442 χ^2/NDF: 24.8/20

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

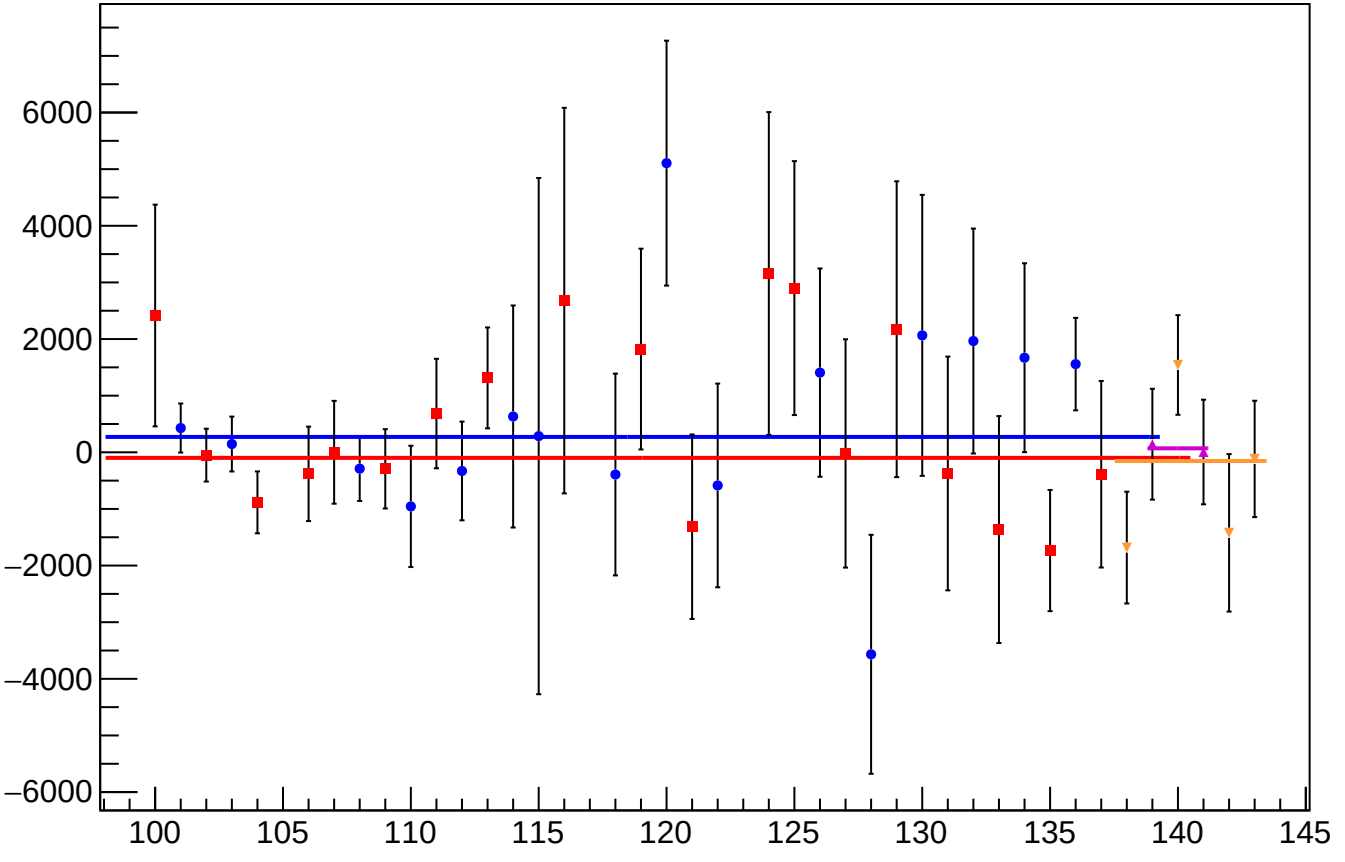
Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

+ sign 113.282+/-0.026 χ^2/NDF: 719818.8/19

All: 110.390+/-0.018 χ^2/NDF: 1544869.7/40

- sign 107.487+/-0.026 χ^2/NDF: 799720.9/20

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -153.544+/-514.132 χ^2/NDF:6.9/3

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

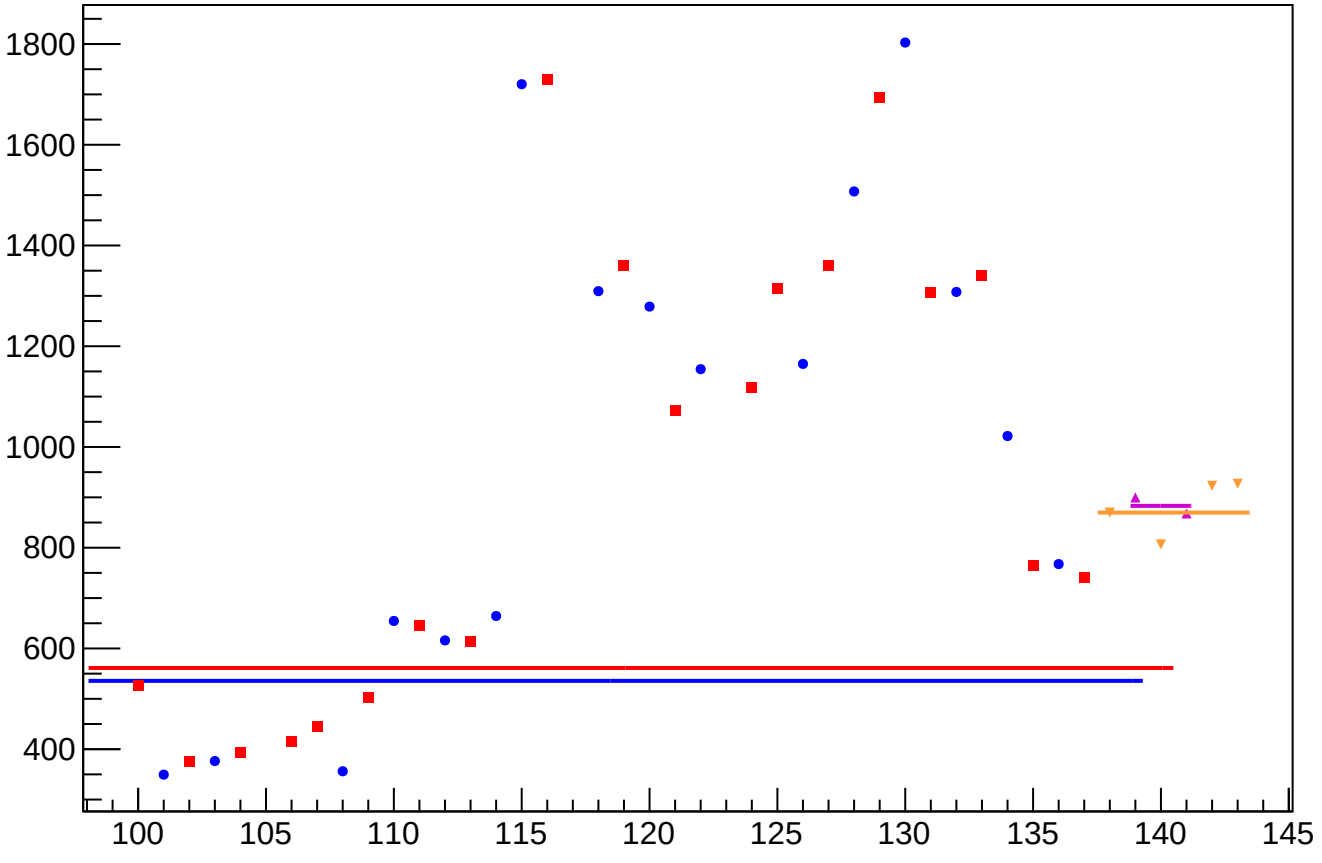
Left In: 70.098+/-671.776 χ^2/NDF:0.0/1

+ sign 200.406+/-210.447 χ^2/NDF: 24.0/19

All: 66.466+/-152.057 χ^2/NDF: 41.0/40

- sign -79.843+/-219.950 χ^2/NDF: 16.2/20

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.9/3

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

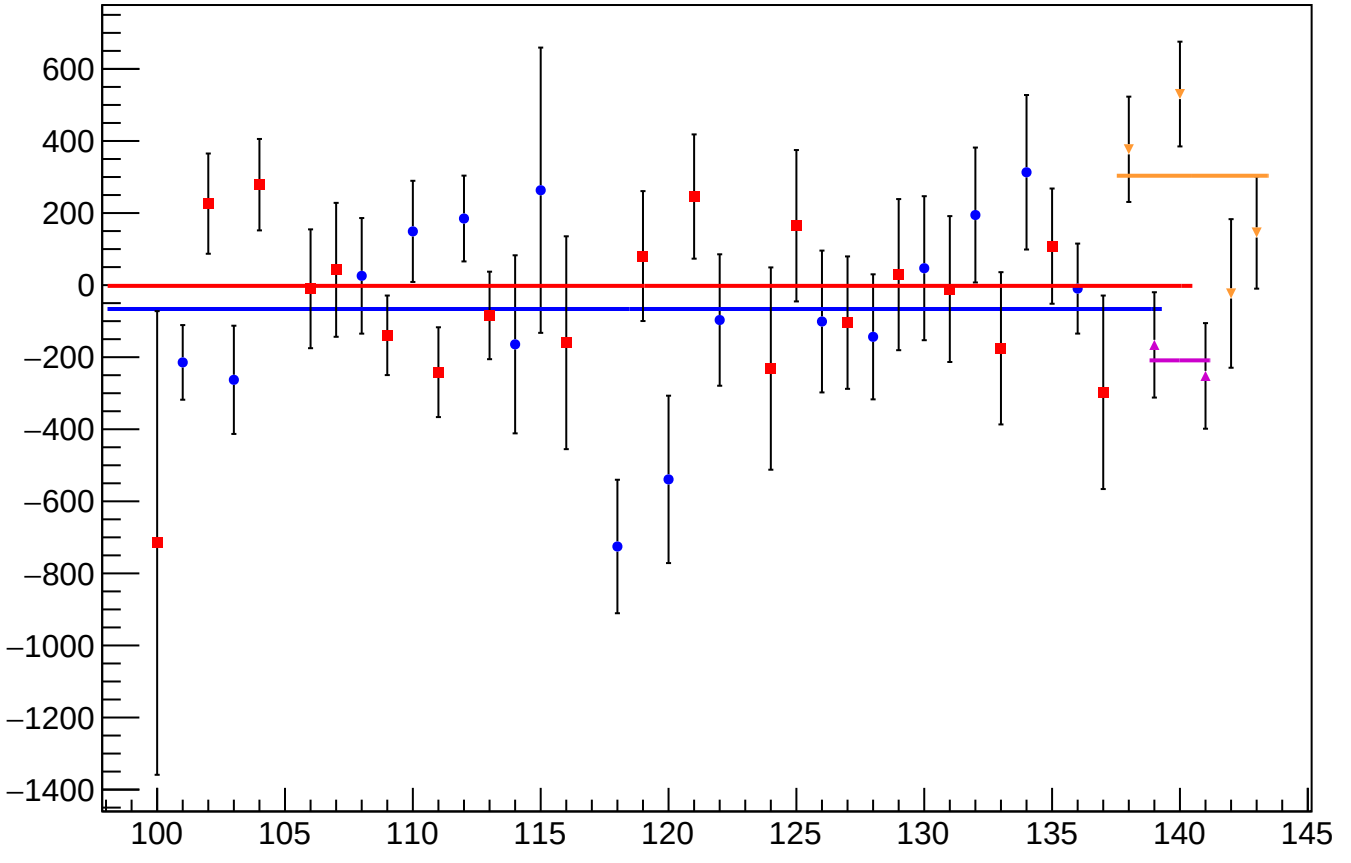
Left In: 883.069+/-0.475 χ^2/NDF:1106.0/1

+ sign 591.639+/-0.149 χ^2/NDF: 4355100.0/19

All: 593.612+/-0.108 χ^2/NDF: 7897071.8/40

- sign 595.767+/-0.156 χ^2/NDF: 3541604.0/20

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.570+/-79.349 χ^2/NDF:6.2/3

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

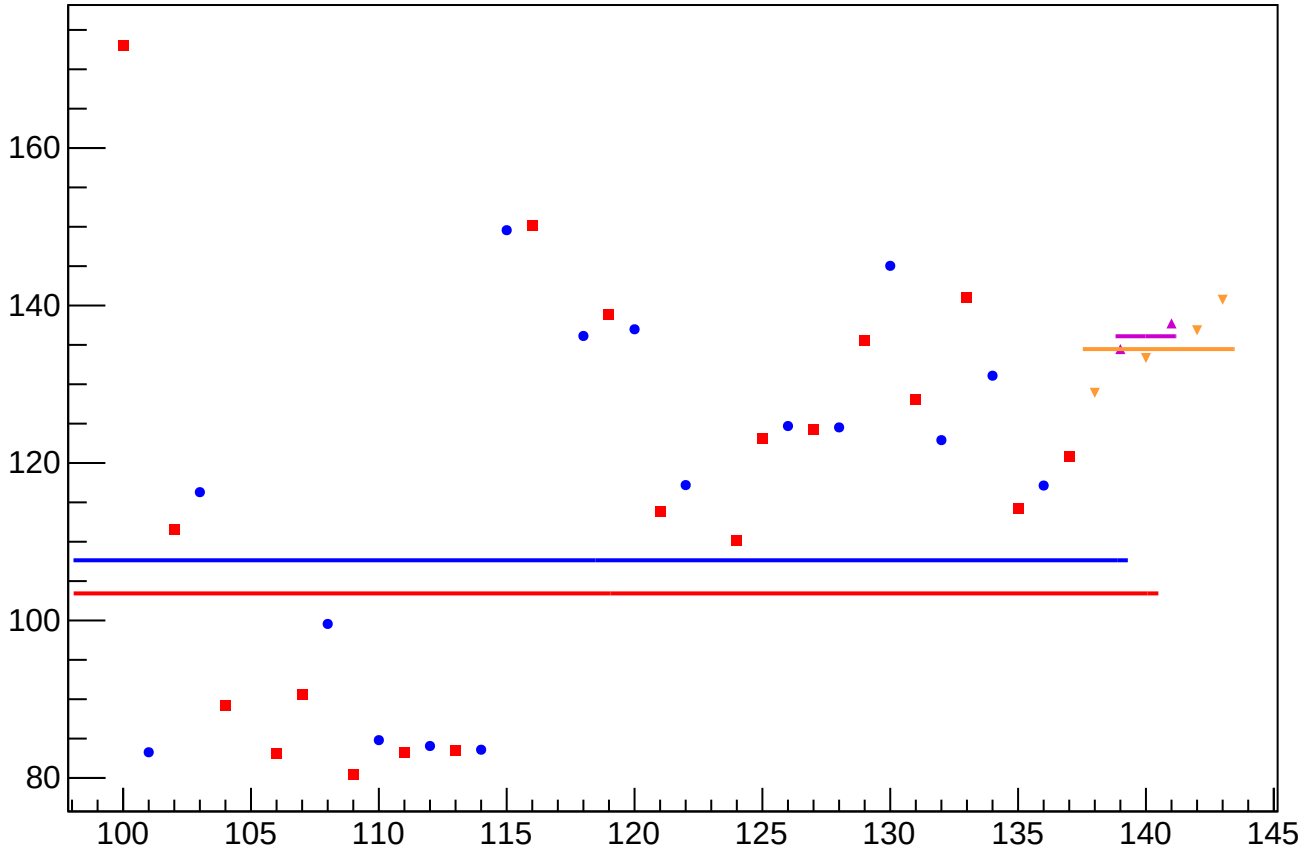
Left In: -208.828+/-103.488 χ^2/NDF:0.2/1

+ sign 11.486+/-36.381 χ^2/NDF: 57.8/19

All: -8.075+/-25.747 χ^2/NDF: 83.2/40

- sign -27.702+/-36.442 χ^2/NDF: 24.8/20

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

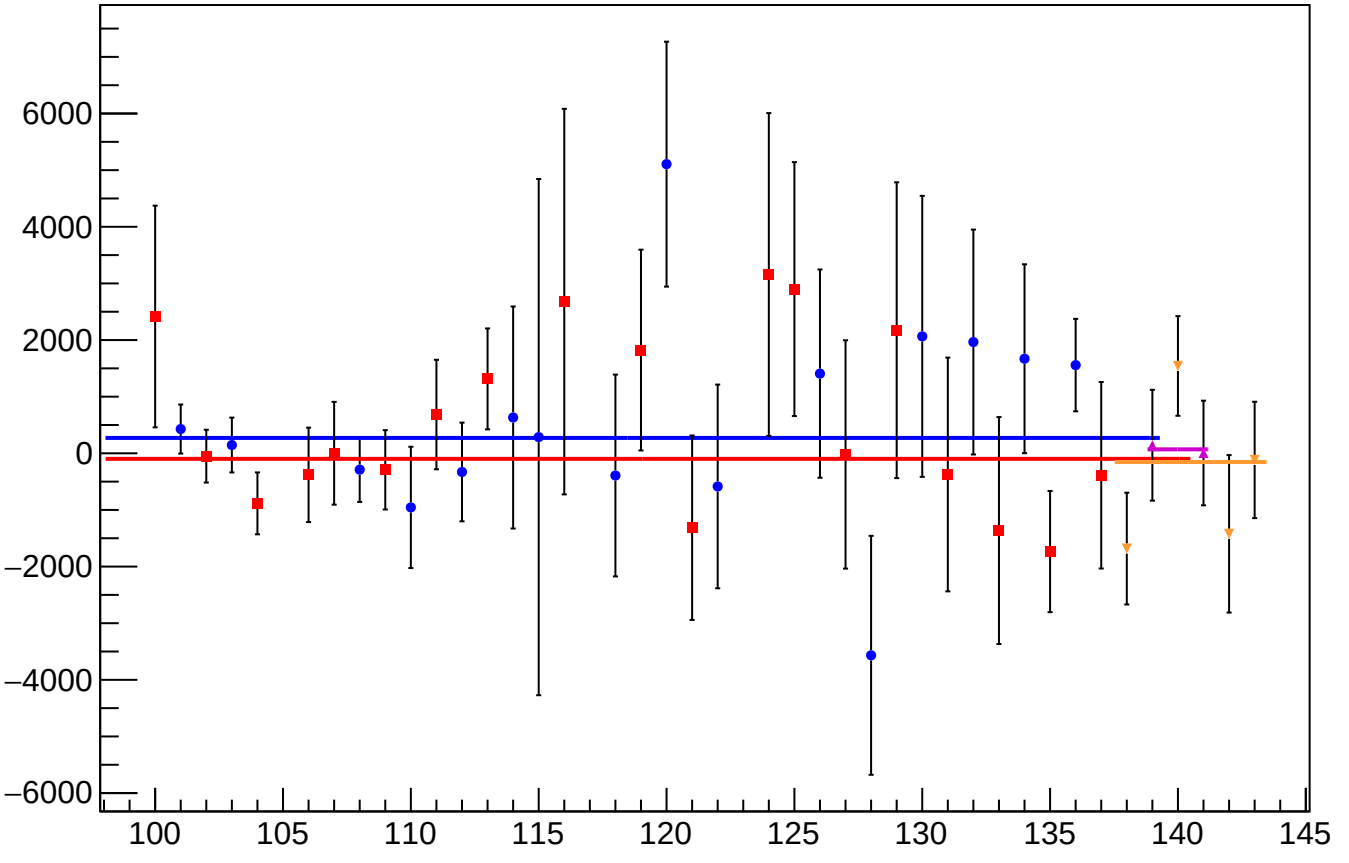
Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

+ sign 113.282+/-0.026 χ^2/NDF: 719818.8/19

All: 110.390+/-0.018 χ^2/NDF: 1544869.7/40

- sign 107.487+/-0.026 χ^2/NDF: 799720.9/20

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -153.544+/-514.132 χ^2/NDF:6.9/3

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

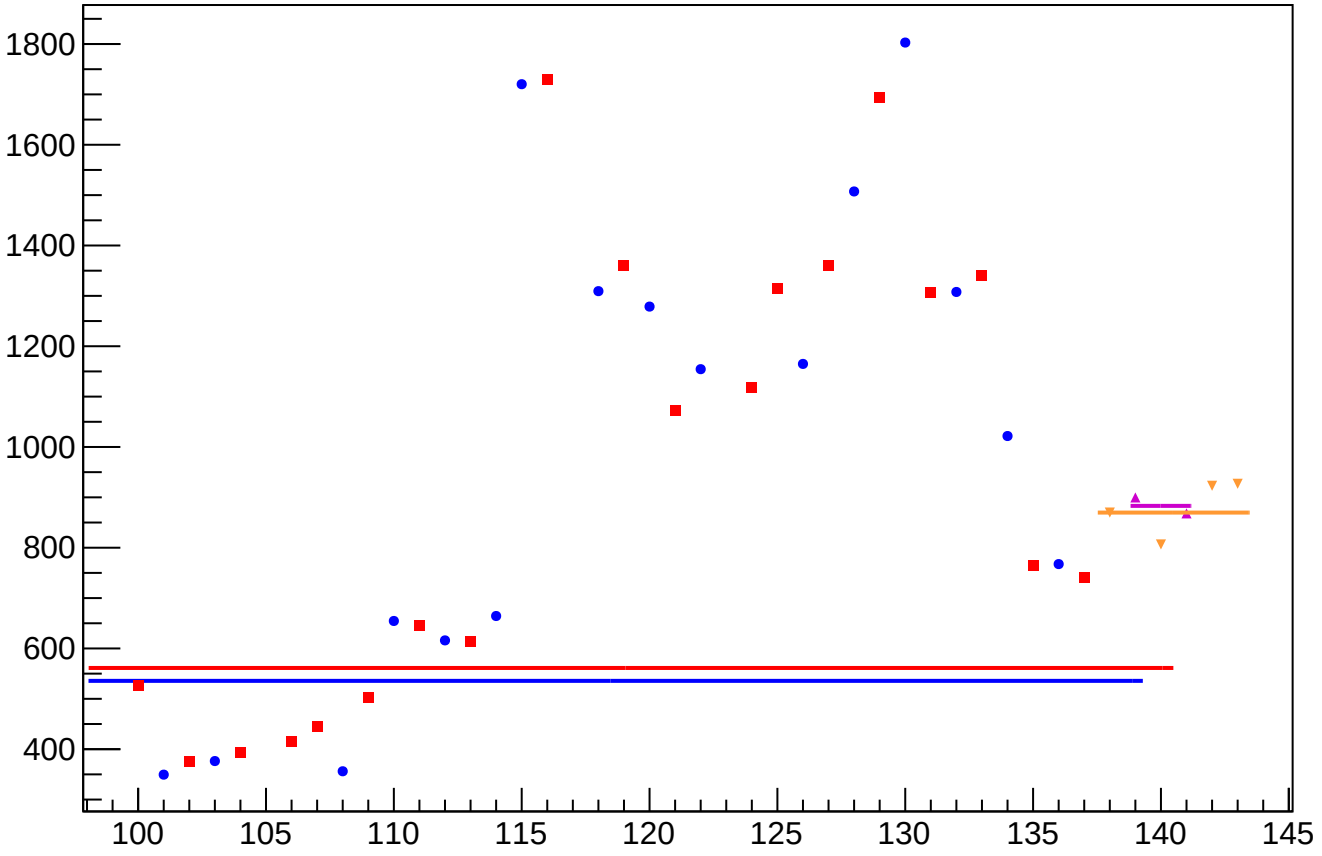
Left In: 70.098+/-671.776 χ^2/NDF:0.0/1

+ sign 200.406+/-210.447 χ^2/NDF: 24.0/19

All: 66.466+/-152.057 χ^2/NDF: 41.0/40

- sign -79.843+/-219.950 χ^2/NDF: 16.2/20

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.9/3

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

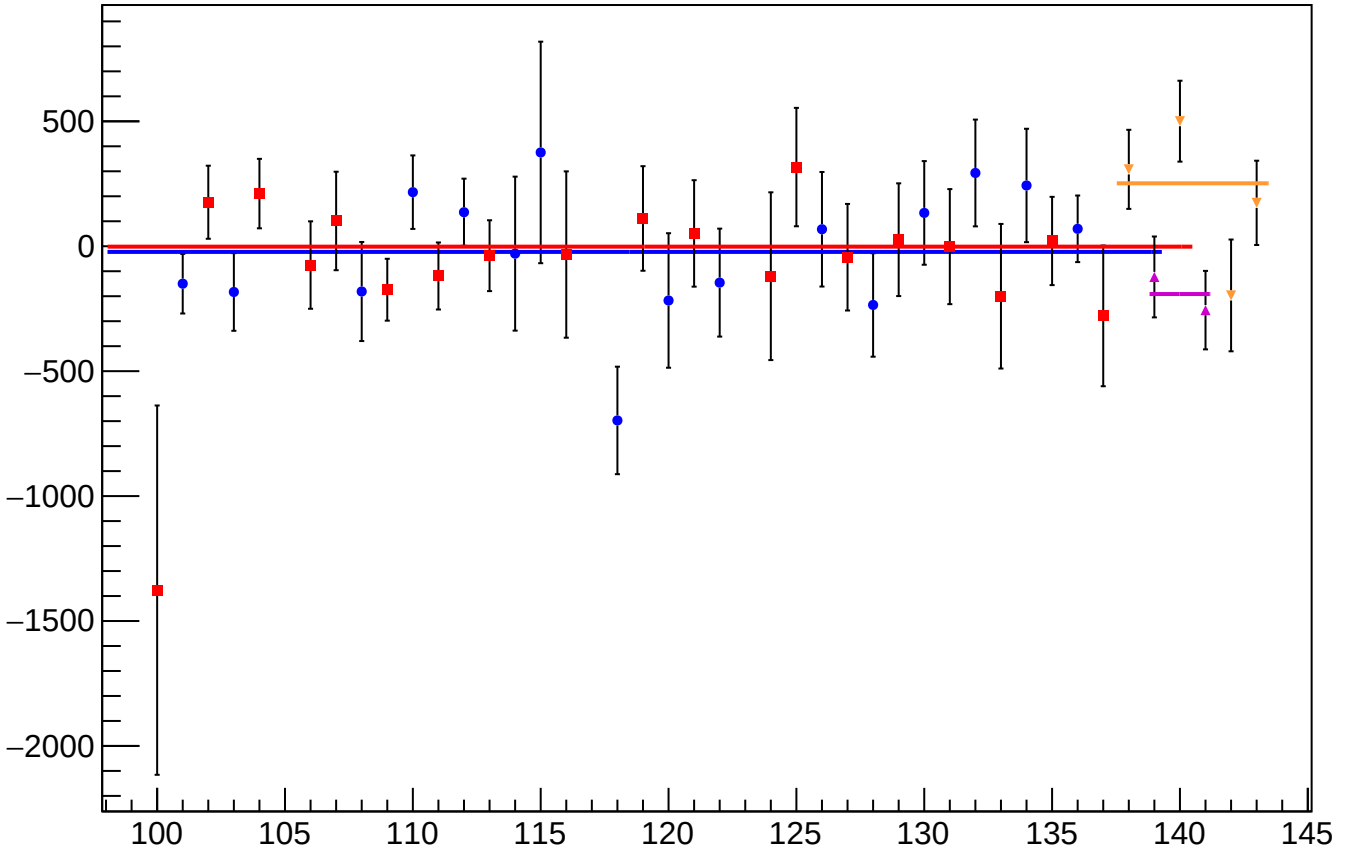
Left In: 883.069+/-0.475 χ^2/NDF:1106.0/1

+ sign 591.639+/-0.149 χ^2/NDF: 4355100.0/19

All: 593.612+/-0.108 χ^2/NDF: 7897071.8/40

- sign 595.767+/-0.156 χ^2/NDF: 3541604.0/20

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.877+/-86.644 χ^2/NDF:6.7/3

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

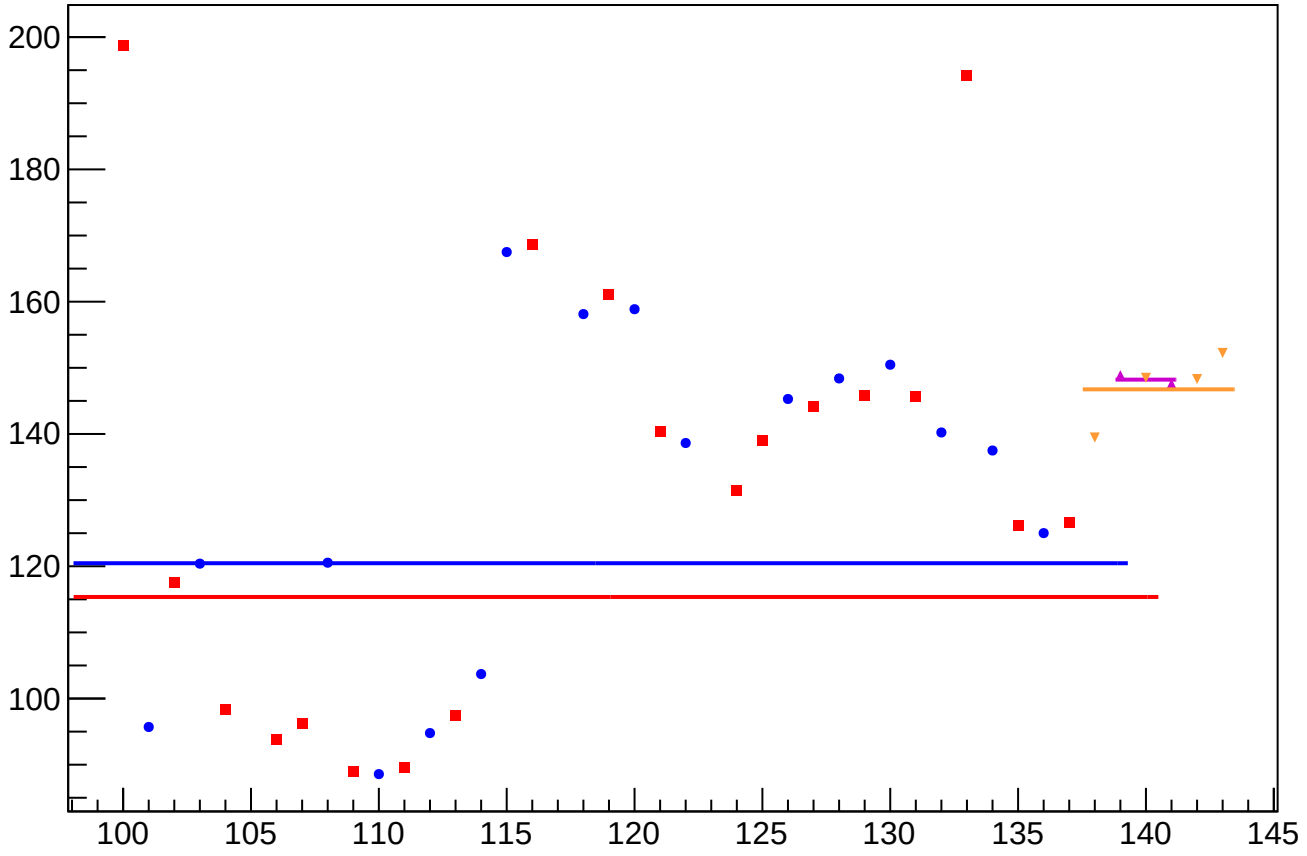
Left In: -191.303+/-112.719 χ^2/NDF:0.3/1

+ sign 37.505+/-40.566 χ^2/NDF: 38.7/19

All: 5.680+/-28.708 χ^2/NDF: 57.1/40

- sign -26.252+/-40.634 χ^2/NDF: 17.1/20

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 146.746+/-0.061 χ^2/NDF:6694.7/3

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

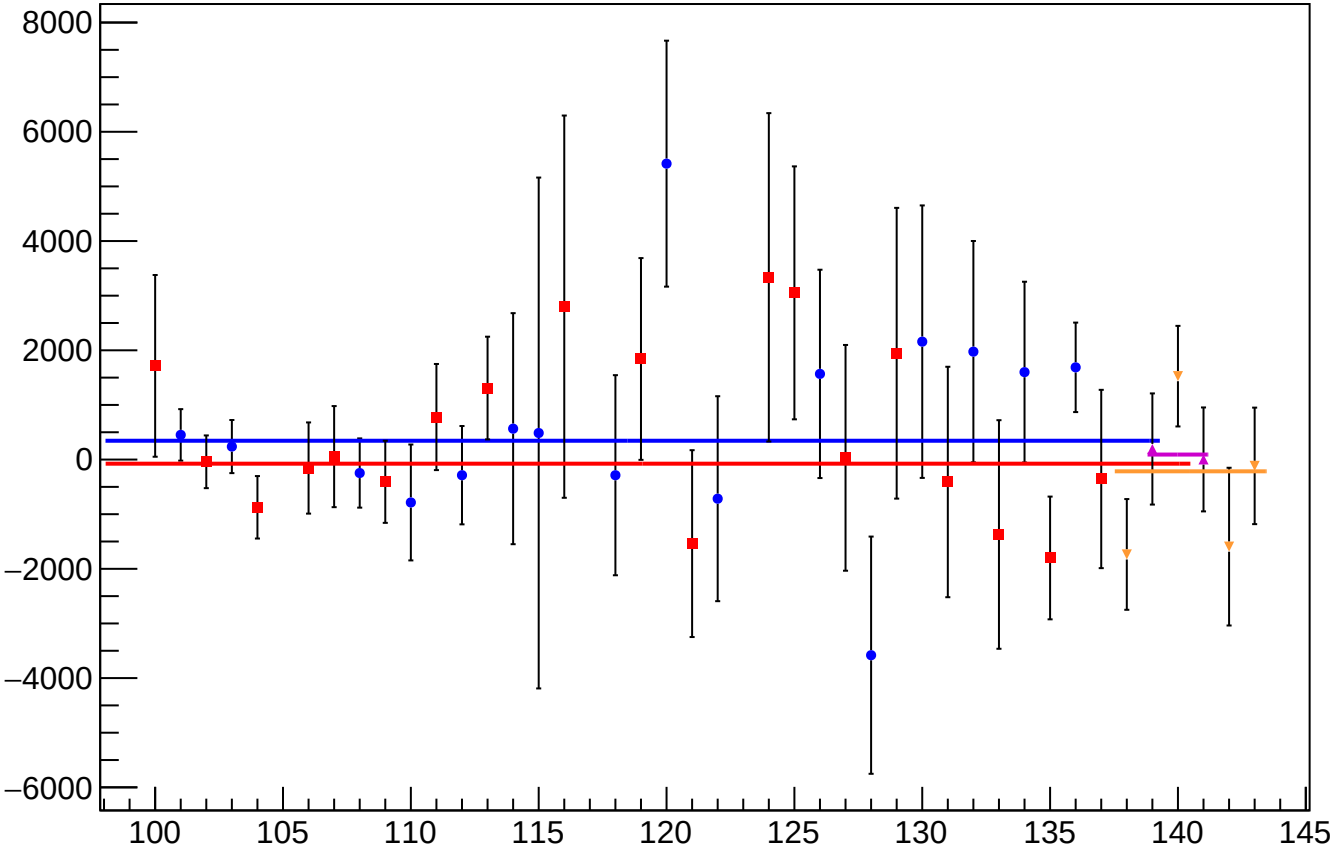
Left In: 148.215+/-0.080 χ^2/NDF:67.7/1

+ sign 126.221+/-0.029 χ^2/NDF: 680775.1/19

All: 122.929+/-0.020 χ^2/NDF: 1622319.6/40

- sign 119.627+/-0.029 χ^2/NDF: 915168.4/20

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -215.093+/-533.555 χ^2/NDF:6.8/3

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

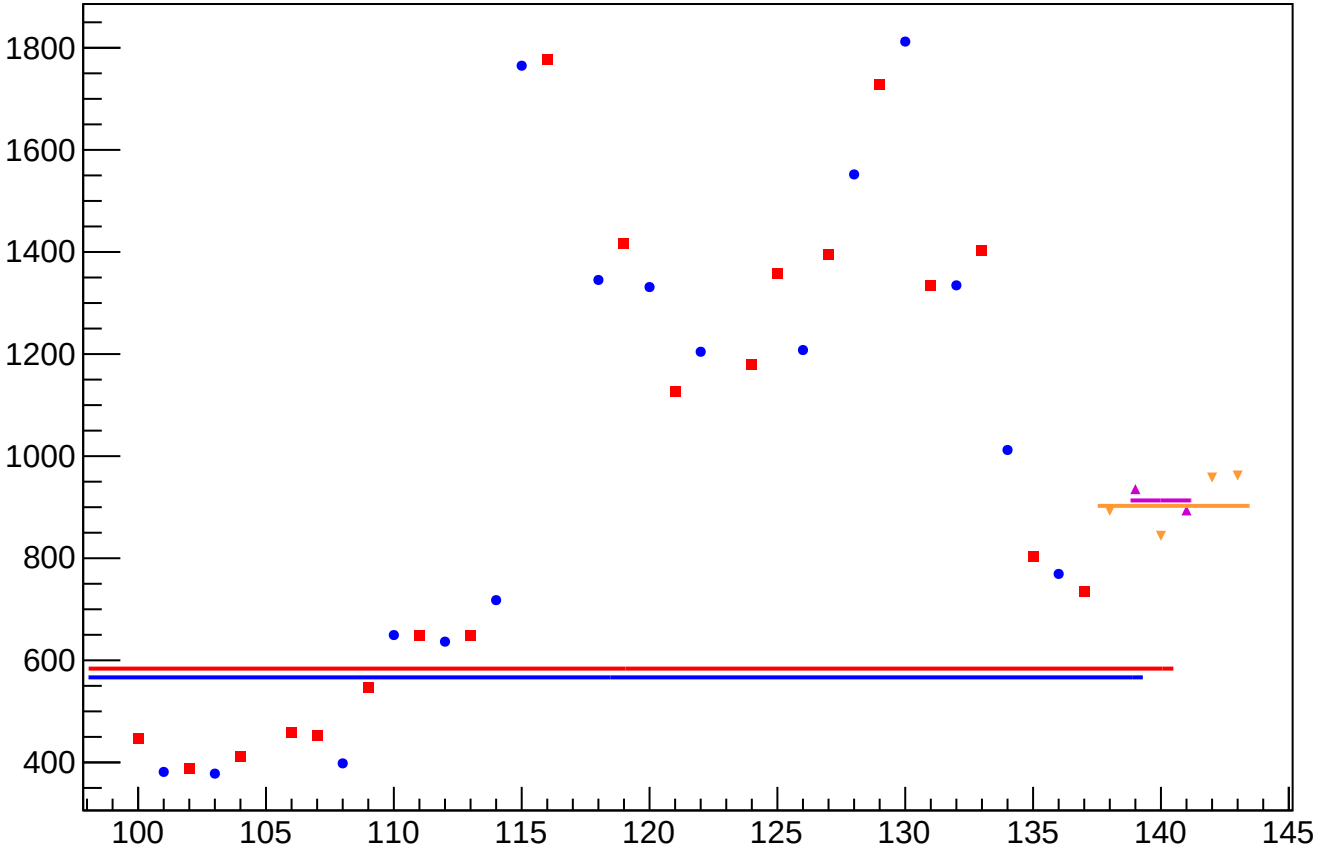
Left In: 91.631+/-694.869 χ^2/NDF:0.0/1

\+ sign 249.277+/-220.036 χ^2/NDF: 23.9/19

All: 100.807+/-158.080 χ^2/NDF: 40.2/40

\- sign -57.565+/-227.255 χ^2/NDF: 15.3/20

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 902.632+/-0.377 χ^2/NDF:17466.3/3

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

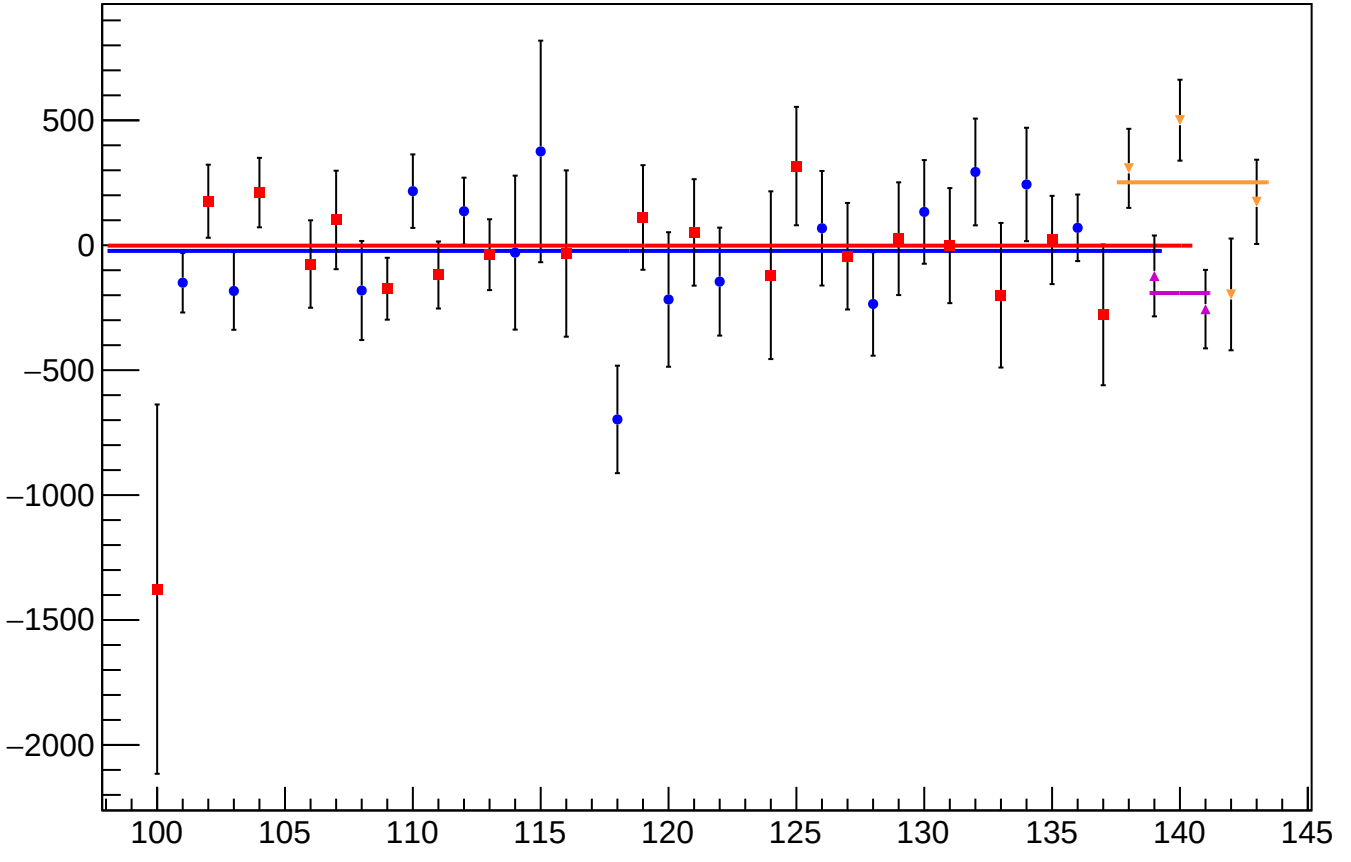
Left In: 913.243+/-0.491 χ^2/NDF:1787.5/1

+ sign 623.752+/-0.156 χ^2/NDF: 4108271.4/19

All: 621.468+/-0.112 χ^2/NDF: 7619505.4/40

- sign 619.032+/-0.161 χ^2/NDF: 3510788.7/20

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.881+/-86.644 χ^2/NDF:6.7/3

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

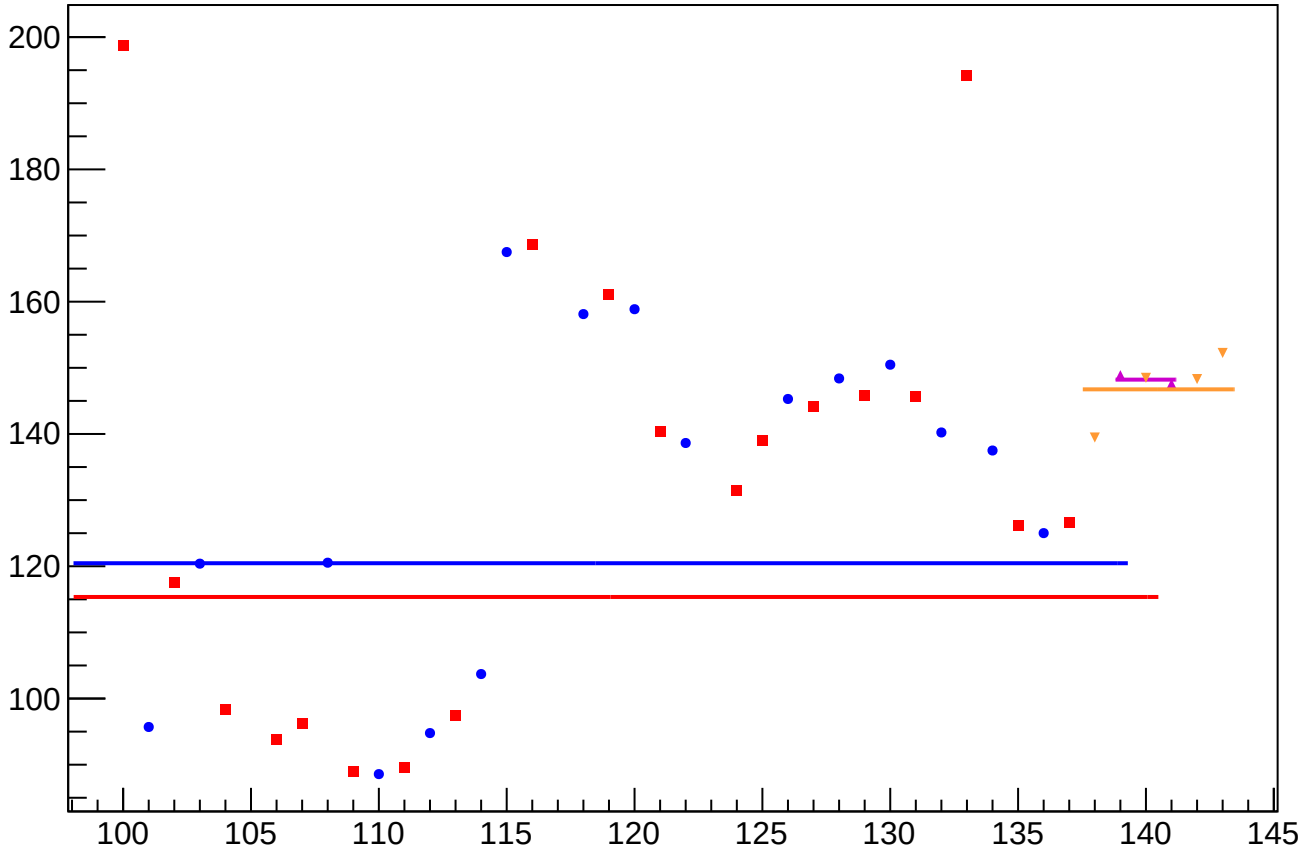
Left In: -191.301+/-112.719 χ^2/NDF:0.3/1

+ sign 37.504+/-40.566 χ^2/NDF: 38.7/19

All: 5.679+/-28.708 χ^2/NDF: 57.1/40

- sign -26.253+/-40.634 χ^2/NDF: 17.1/20

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 146.746+/-0.061 χ^2/NDF:6694.3/3

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

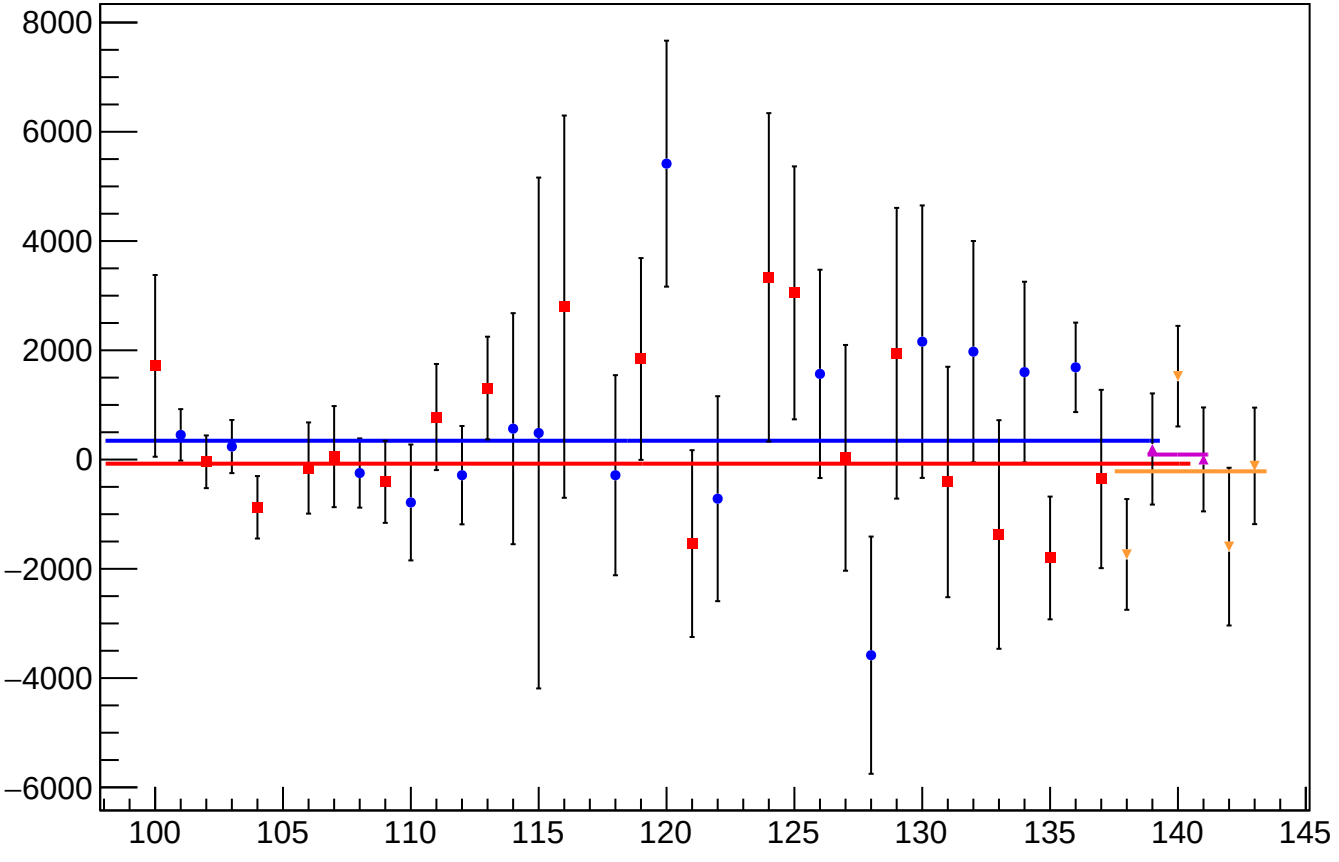
Left In: 148.215+/-0.080 χ^2/NDF:67.7/1

+ sign 126.220+/-0.029 χ^2/NDF: 680779.4/19

All: 122.929+/-0.020 χ^2/NDF: 1622322.8/40

- sign 119.627+/-0.029 χ^2/NDF: 915167.6/20

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -215.087+/-533.554 χ^2/NDF:6.8/3

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

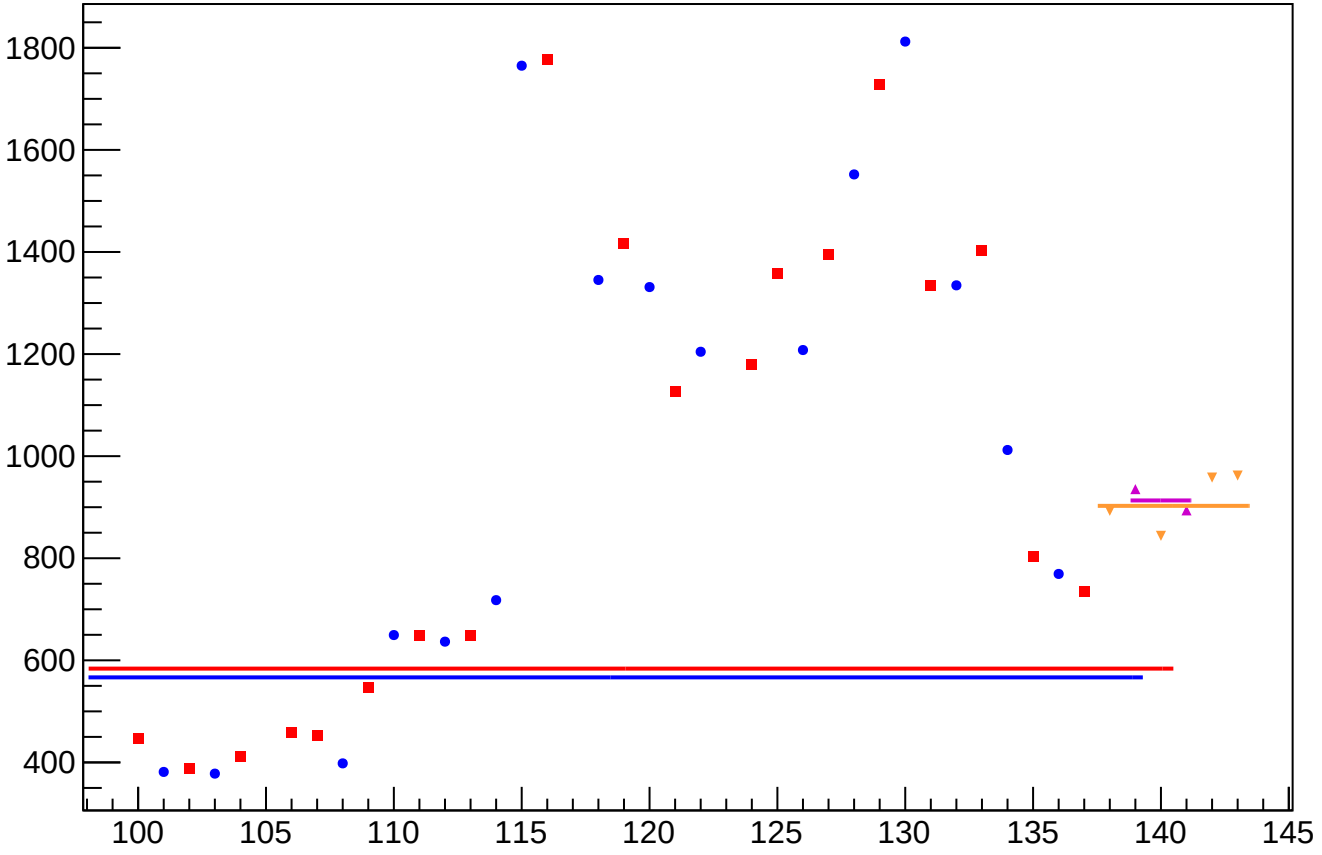
Left In: 91.632+/-694.868 χ^2/NDF:0.0/1

+ sign 249.277+/-220.036 χ^2/NDF: 23.9/19

All: 100.806+/-158.079 χ^2/NDF: 40.2/40

- sign -57.566+/-227.255 χ^2/NDF: 15.3/20

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 902.631+/-0.377 χ^2/NDF:17466.5/3

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

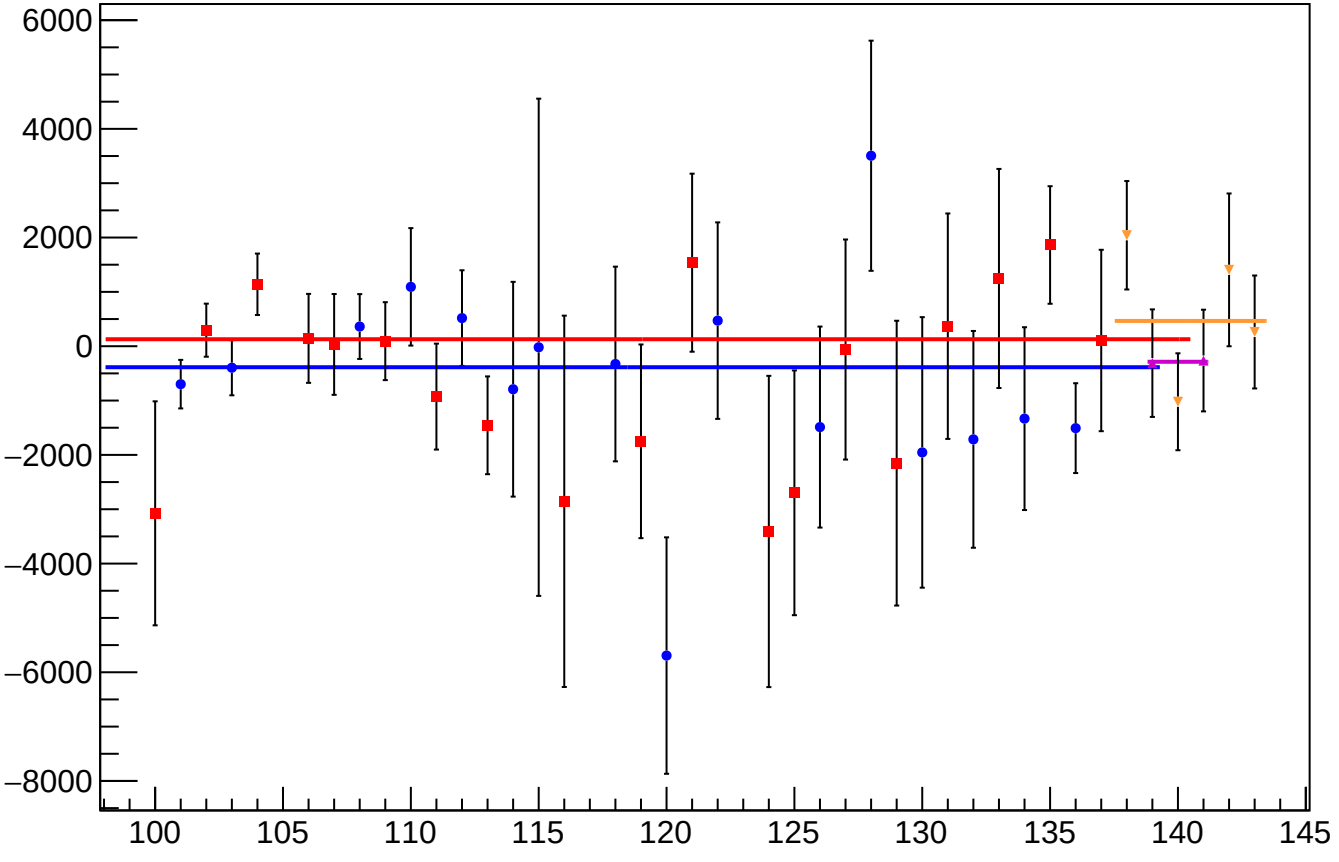
Left In: 913.242+/-0.491 χ^2/NDF:1787.7/1

+ sign 623.751+/-0.156 χ^2/NDF: 4108276.6/19

All: 621.468+/-0.112 χ^2/NDF: 7619510.5/40

- sign 619.031+/-0.161 χ^2/NDF: 3510788.6/20

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 465.389+/-520.330 χ^2/NDF:5.8/3

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

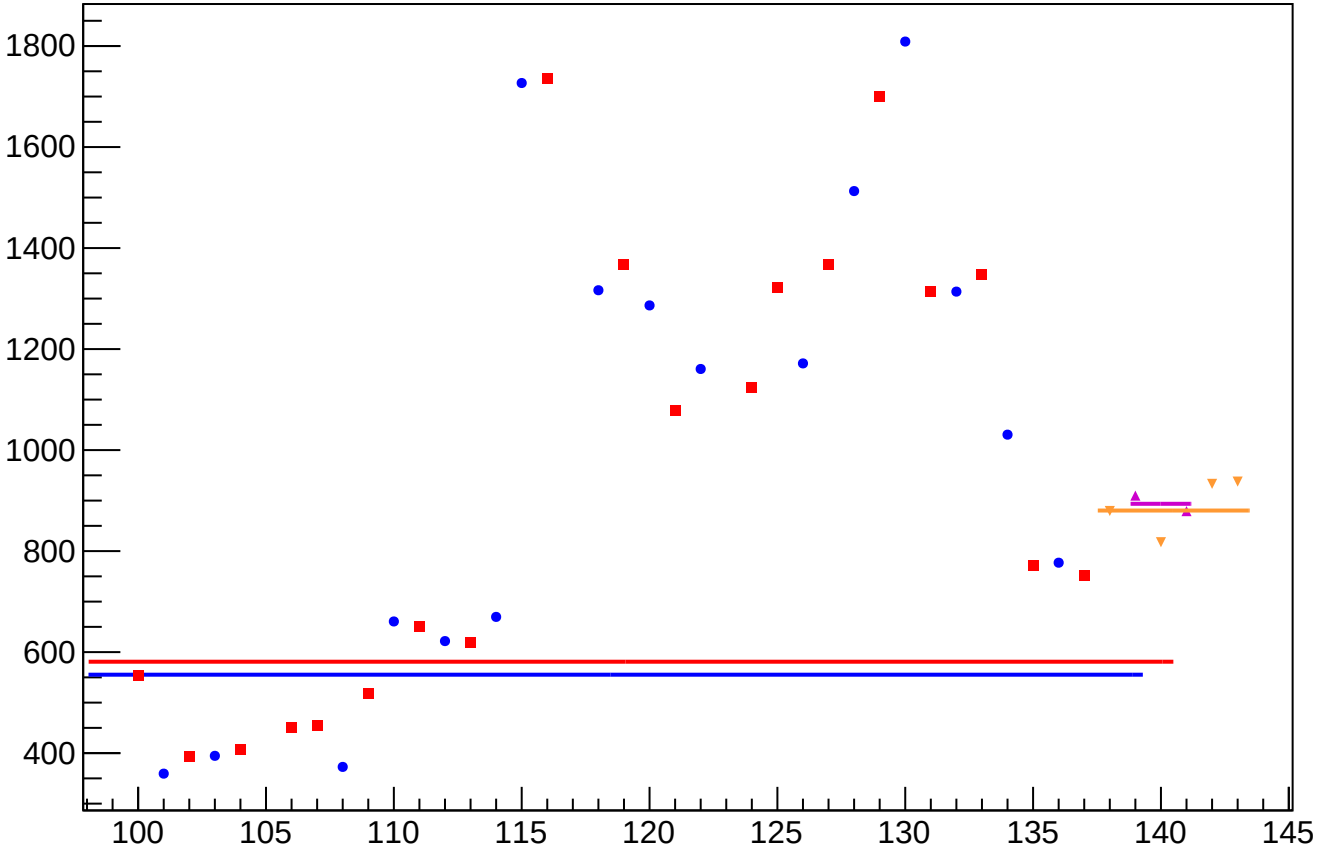
Left In: -286.281+/-679.800 χ^2/NDF:0.0/1

+ sign -239.613+/-216.076 χ^2/NDF: 25.9/19

All: -84.614+/-155.793 χ^2/NDF: 46.7/40

- sign 83.203+/-224.833 χ^2/NDF: 19.7/20

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 880.329+/-0.368 χ^2/NDF:18801.1/3

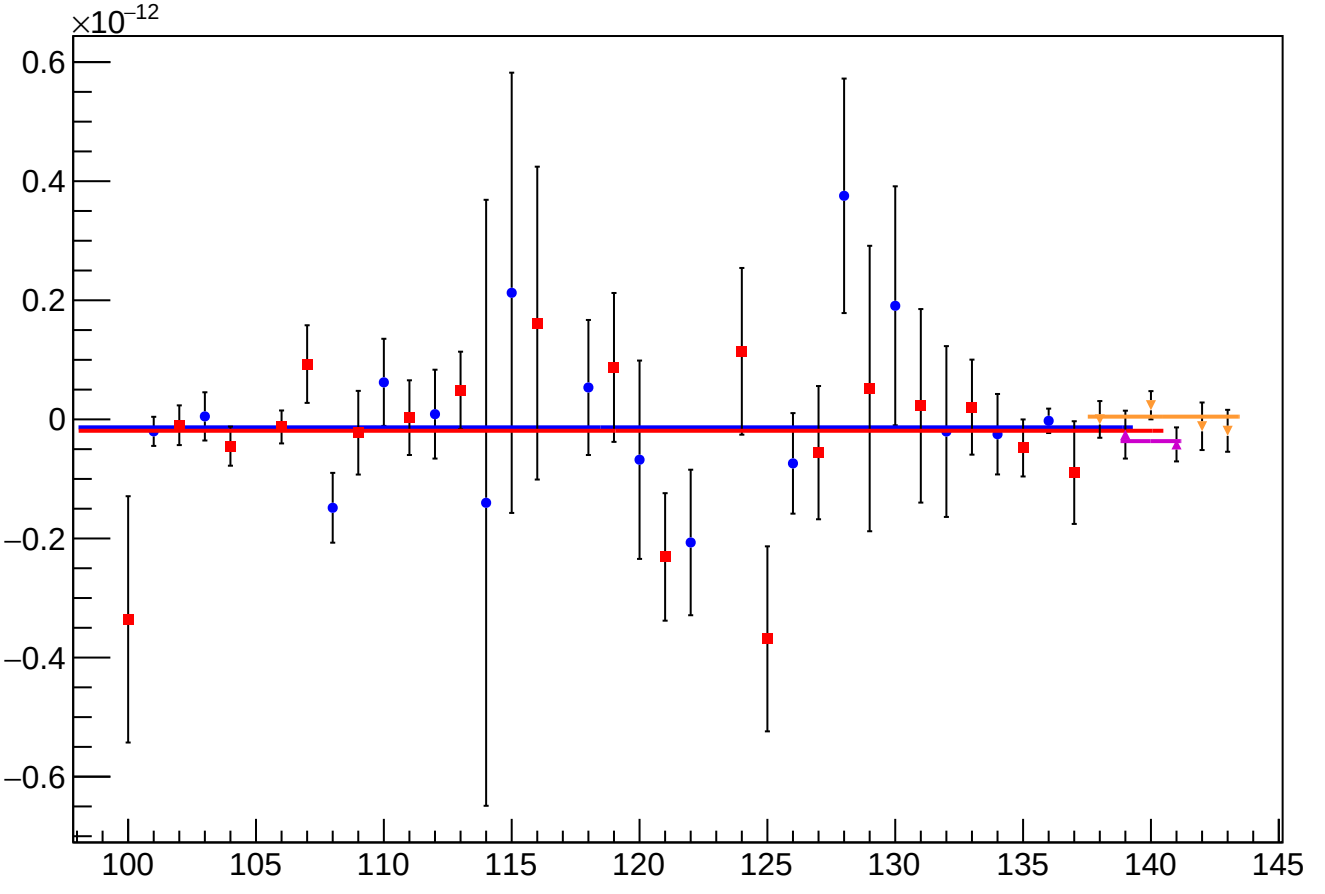
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 893.658+/-0.481 χ^2/NDF:1017.2/1

+ sign 611.344+/-0.153 χ^2/NDF: 4147183.2/19

All: 613.193+/-0.110 χ^2/NDF: 7508864.9/40

- sign 615.196+/-0.159 χ^2/NDF: 3361376.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/3

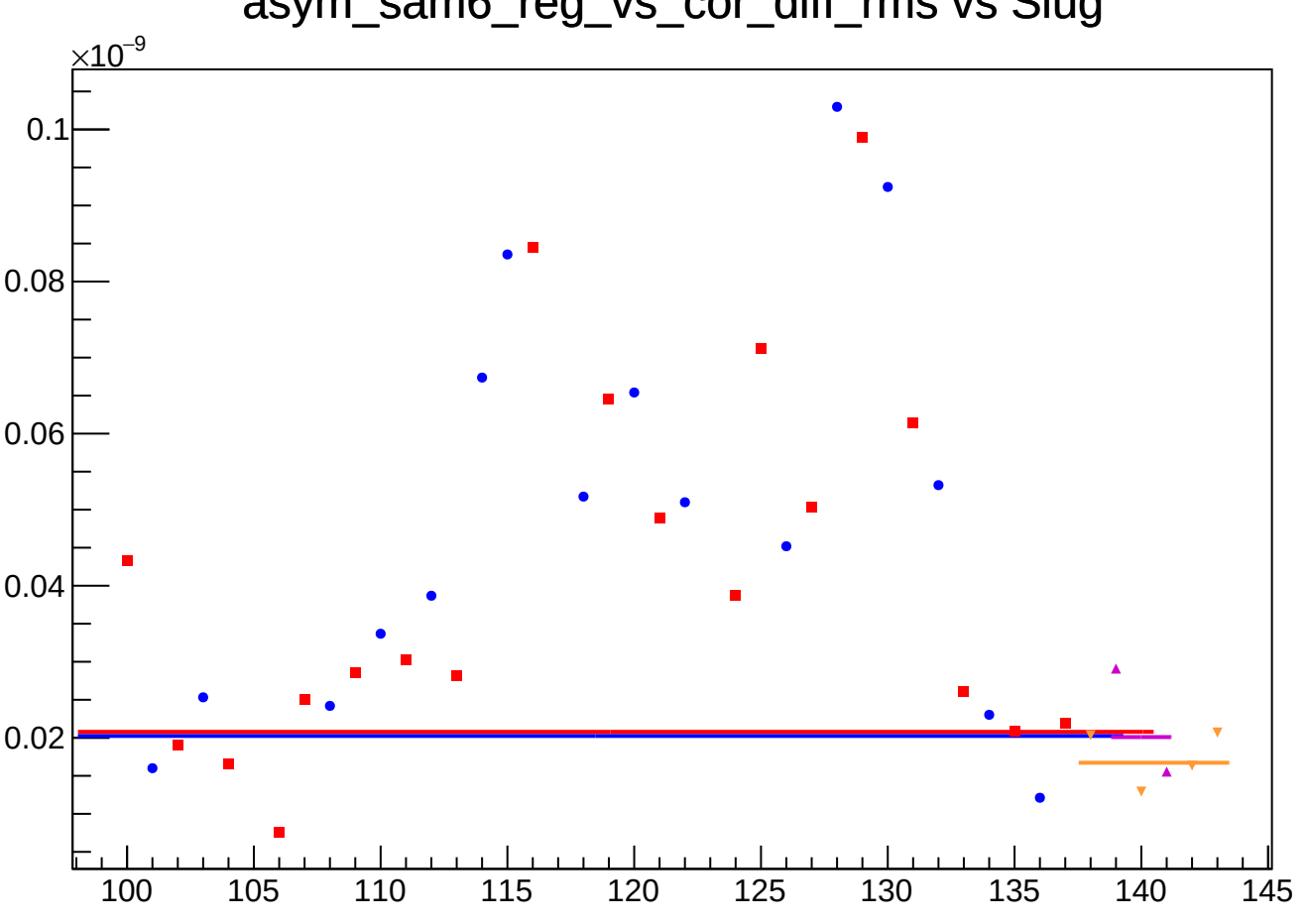
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.0/19

All: -0.000+/-0.000 χ^2/NDF: 39.7/40

- sign -0.000+/-0.000 χ^2/NDF: 20.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:104598.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

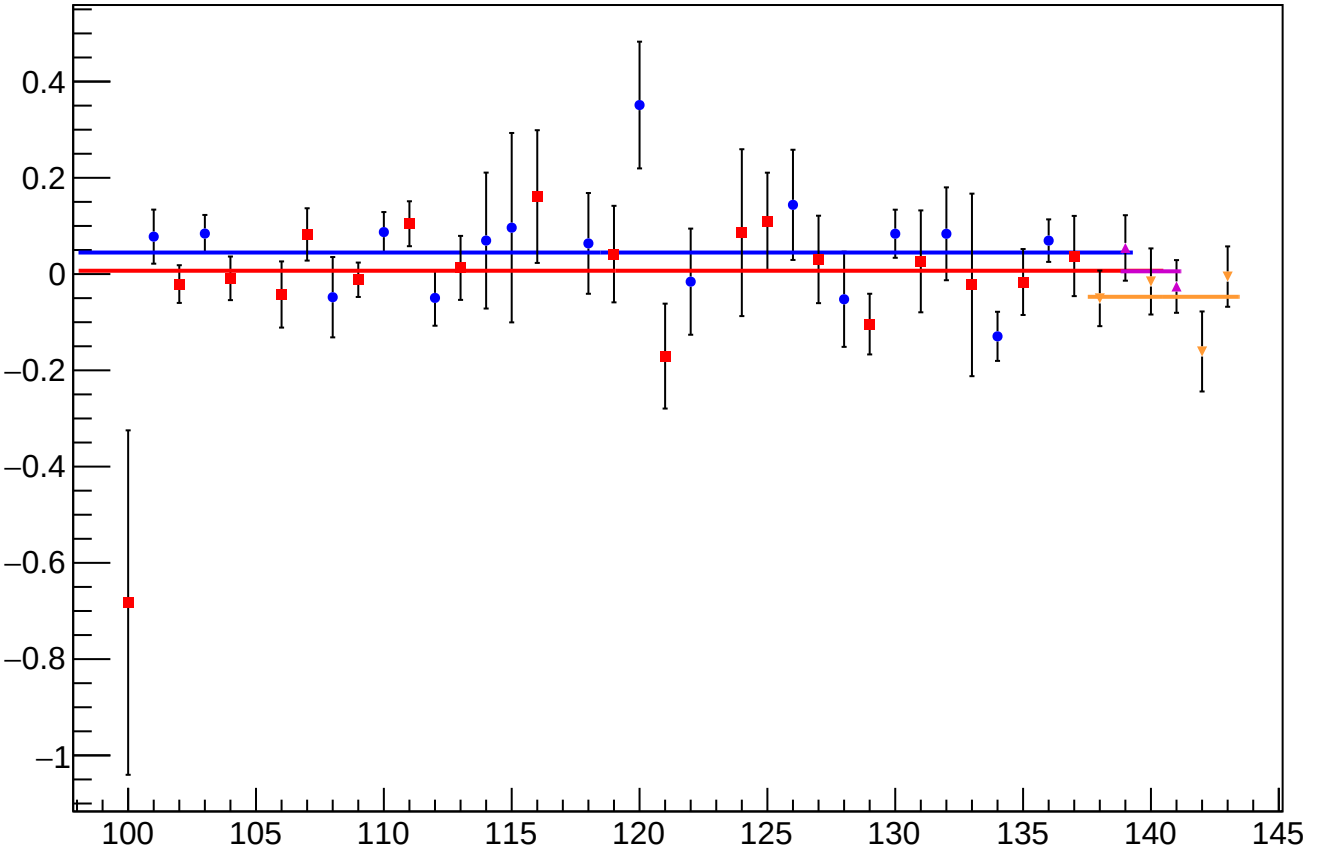
Left In: 0.000+/-0.000 χ^2/NDF:150817.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 2171135.4/19

All: 0.000+/-0.000 χ^2/NDF: 4207058.0/40

- sign 0.000+/-0.000 χ^2/NDF: 2008002.8/20

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

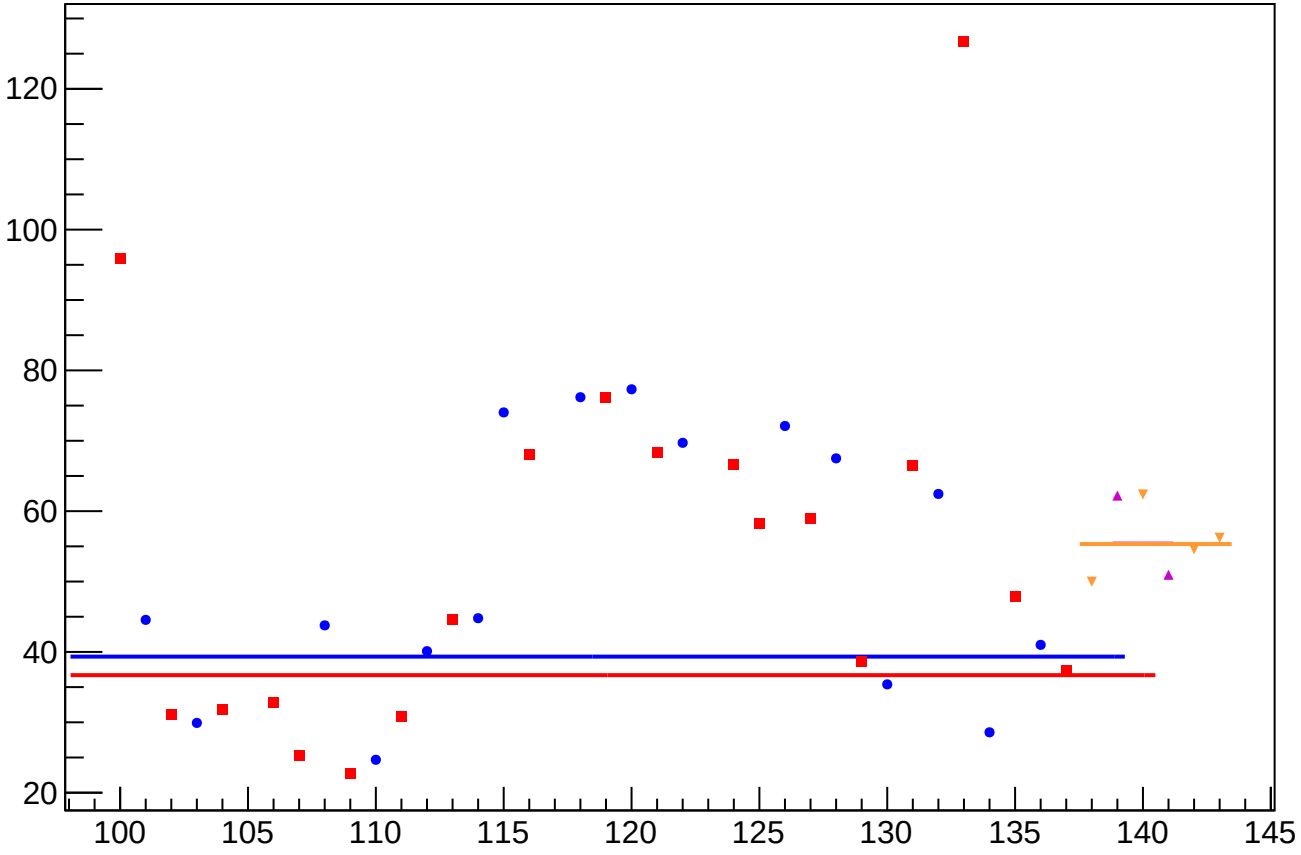
Left In: 0.006+/-0.043 χ^2/NDF:0.8/1

+ sign 0.027+/-0.014 χ^2/NDF: 35.4/19

All: 0.017+/-0.010 χ^2/NDF: 57.4/40

- sign 0.007+/-0.014 χ^2/NDF: 21.0/20

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.333+/-0.023 χ^2/NDF:38807.1/3

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

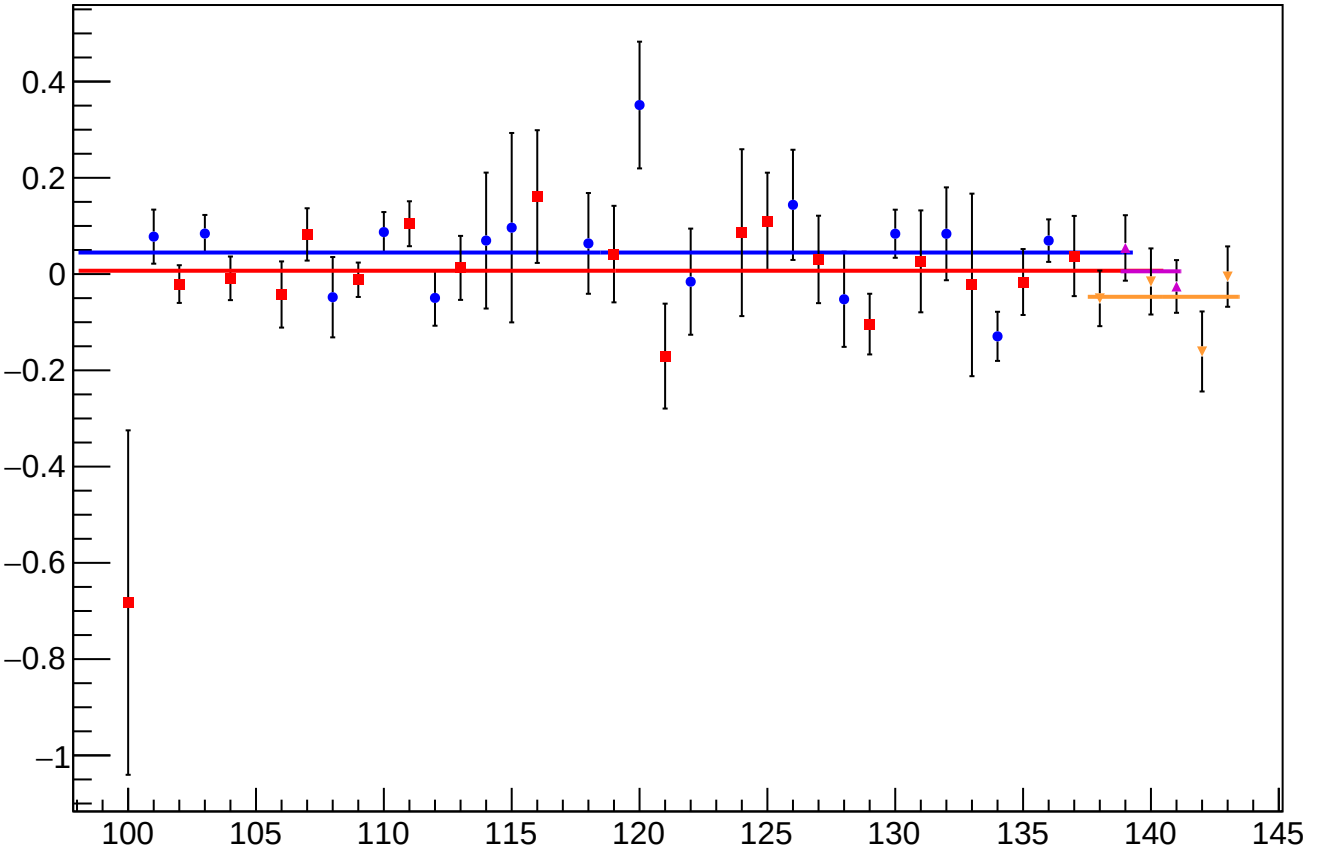
Left In: 55.388+/-0.030 χ^2/NDF:33165.1/1

+ sign 42.367+/-0.010 χ^2/NDF: 1983315.7/19

All: 40.553+/-0.007 χ^2/NDF: 4516913.4/40

- sign 38.784+/-0.010 χ^2/NDF: 2471116.7/20

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

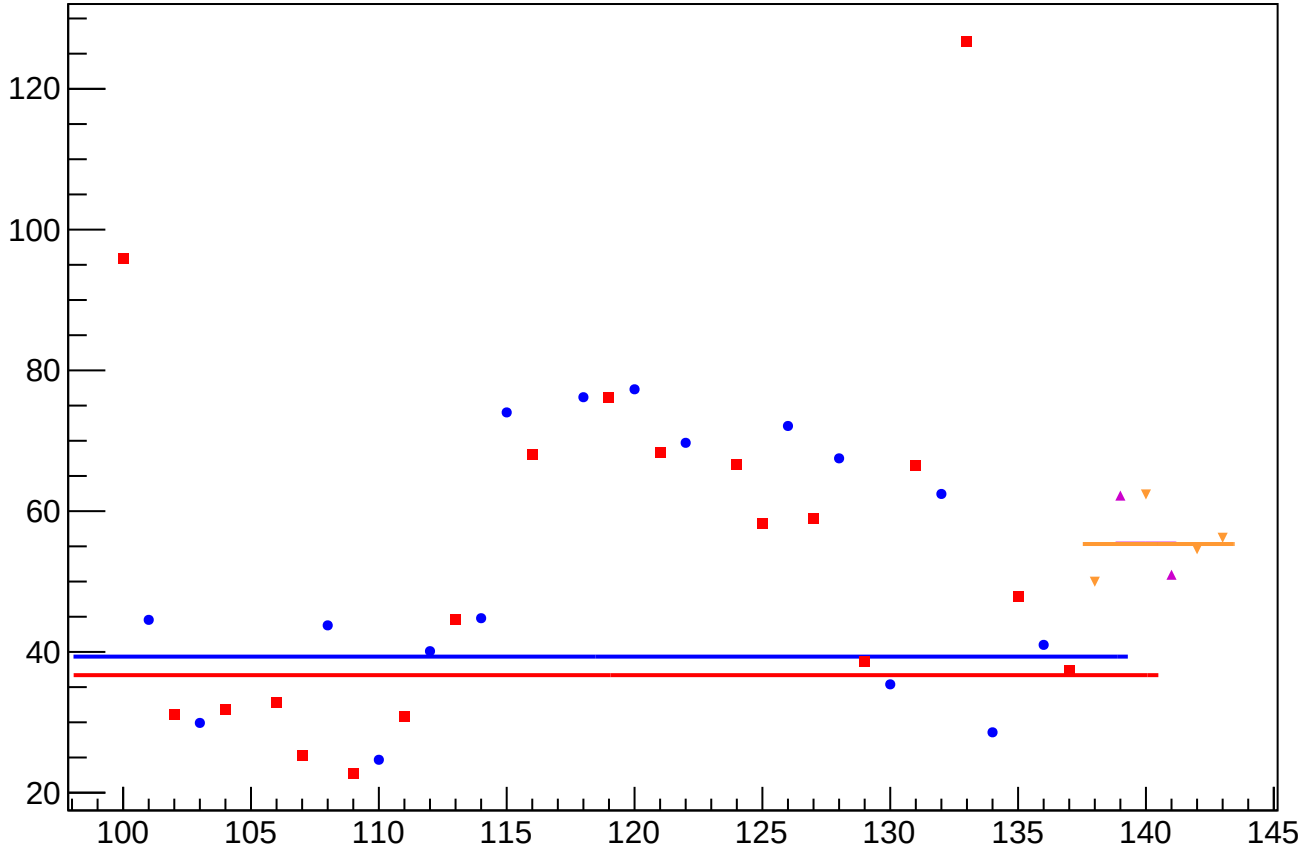
Left In: 0.006+/-0.043 χ^2/NDF:0.8/1

+ sign 0.027+/-0.014 χ^2/NDF: 35.4/19

All: 0.017+/-0.010 χ^2/NDF: 57.4/40

- sign 0.007+/-0.014 χ^2/NDF: 21.0/20

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.333+/-0.023 χ^2/NDF:38807.1/3

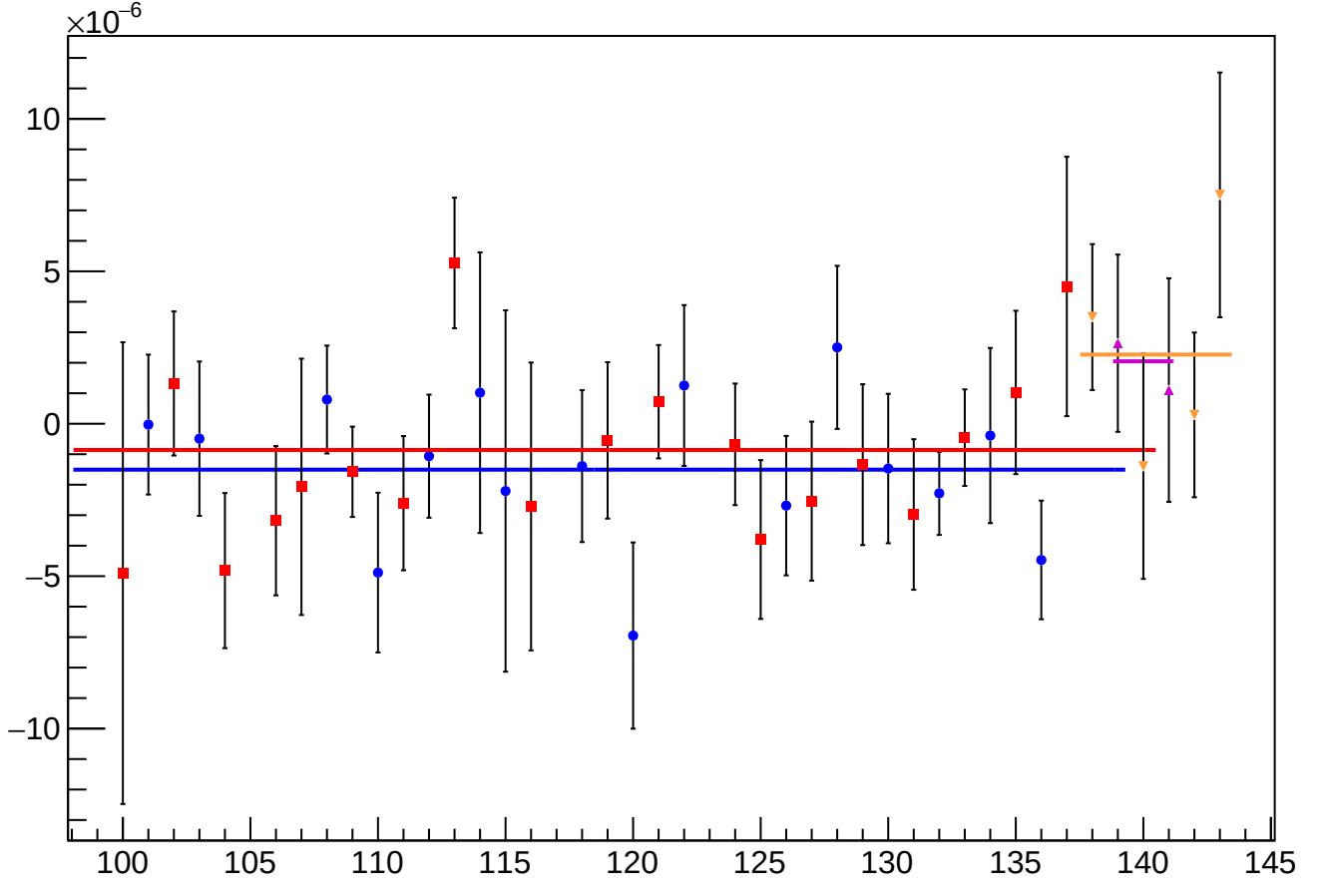
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.388+/-0.030 χ^2/NDF:33165.1/1

+ sign 42.367+/-0.010 χ^2/NDF: 1983315.7/19

All: 40.553+/-0.007 χ^2/NDF: 4516913.4/40

- sign 38.784+/-0.010 χ^2/NDF: 2471116.7/20



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/3

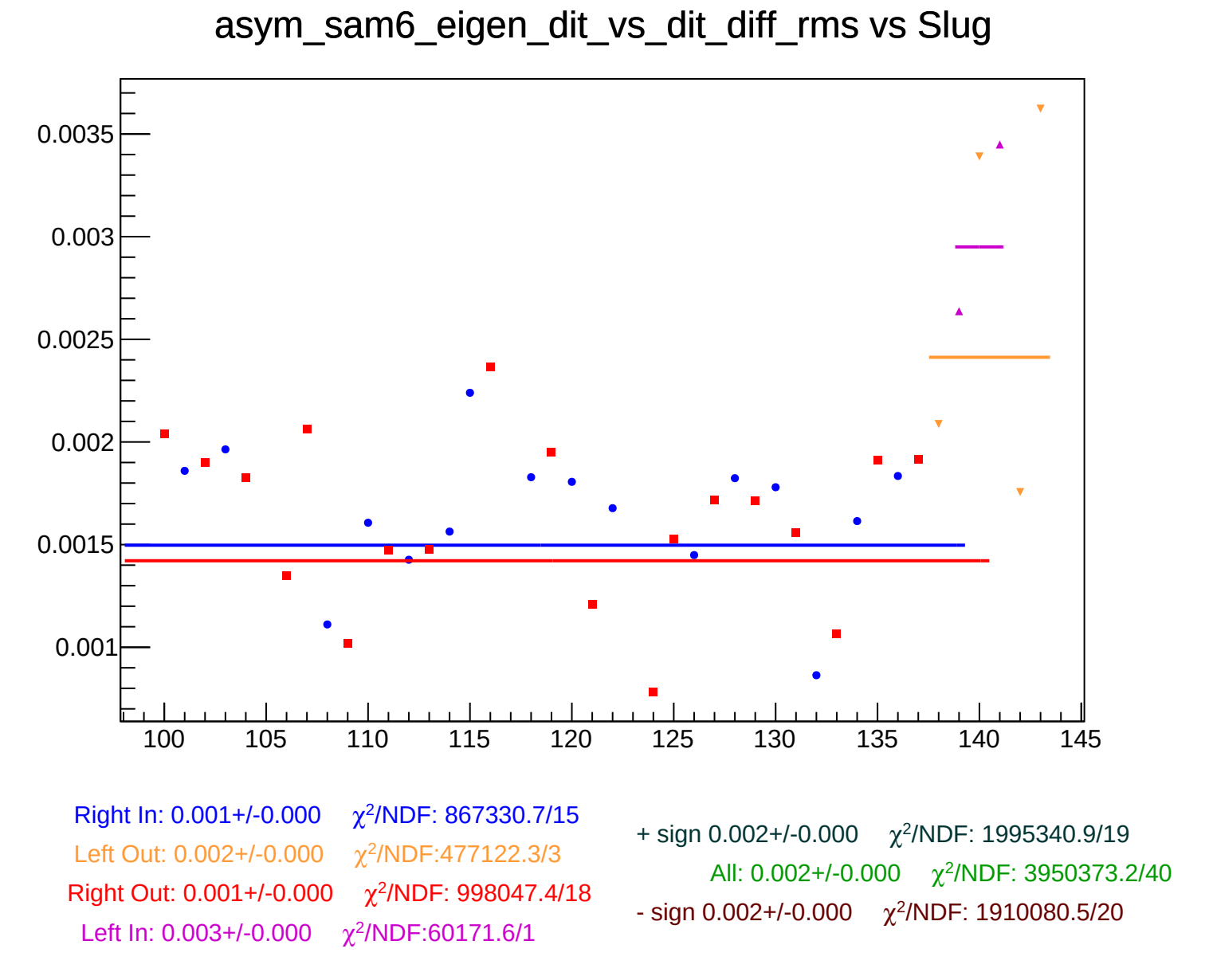
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

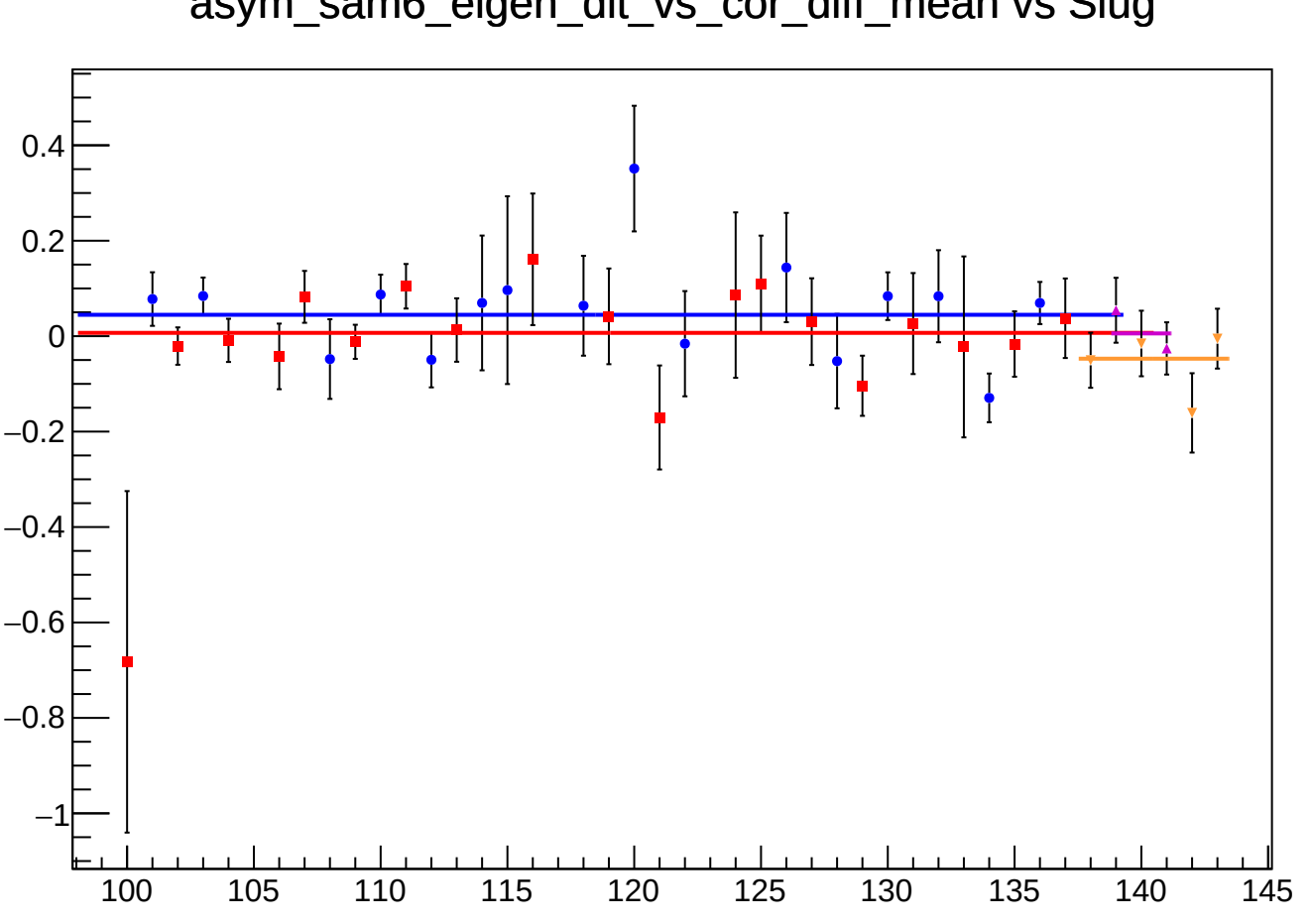
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 22.9/19

All: -0.000+/-0.000 χ^2/NDF: 43.8/40

- sign -0.000+/-0.000 χ^2/NDF: 20.8/20


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:477122.3/3
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:60171.6/1
+ sign 0.002+/-0.000 χ²/NDF: 1995340.9/19
All: 0.002+/-0.000 χ²/NDF: 3950373.2/40
- sign 0.002+/-0.000 χ²/NDF: 1910080.5/20



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

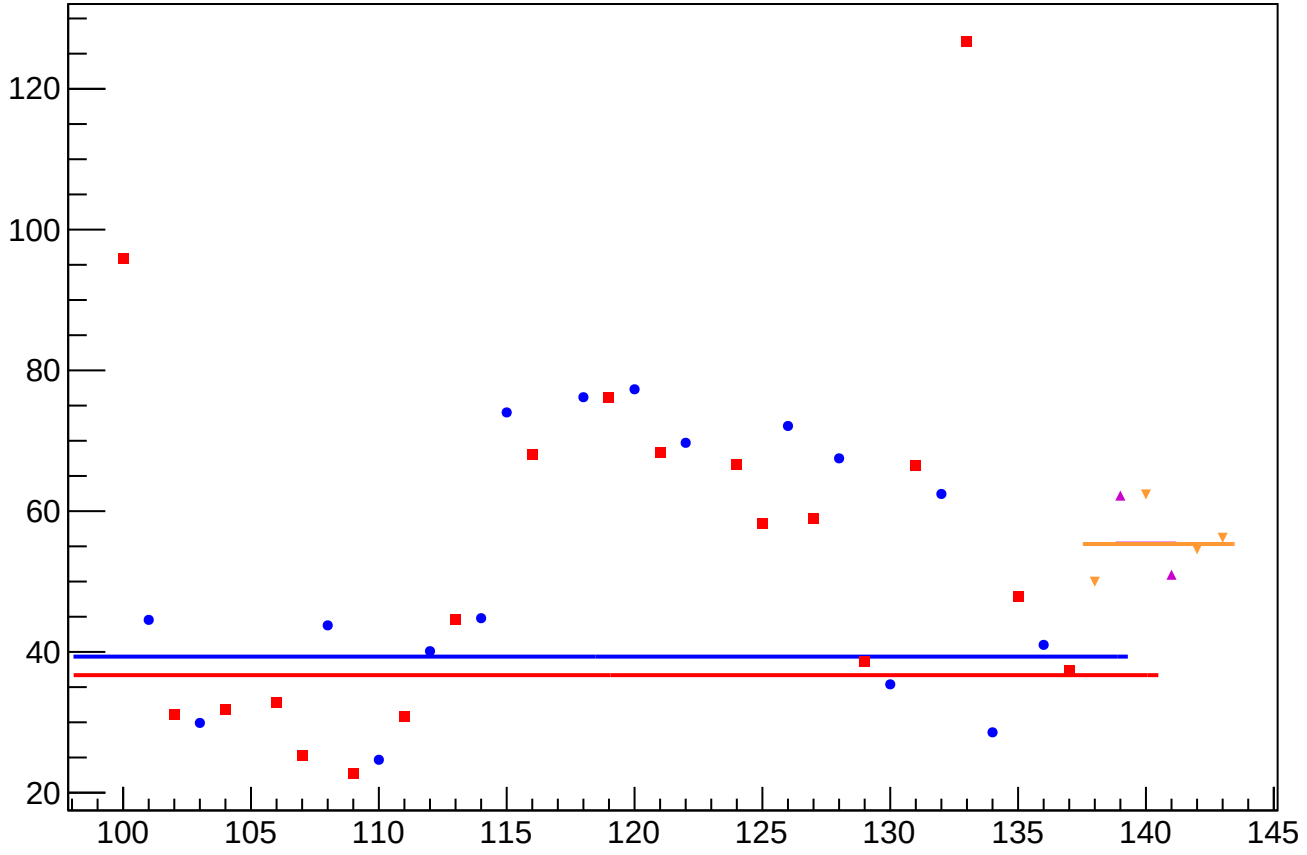
Left In: 0.006+/-0.043 χ^2/NDF:0.8/1

+ sign 0.027+/-0.014 χ^2/NDF: 35.4/19

All: 0.017+/-0.010 χ^2/NDF: 57.4/40

- sign 0.007+/-0.014 χ^2/NDF: 21.0/20

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.332+/-0.023 χ^2/NDF:38801.3/3

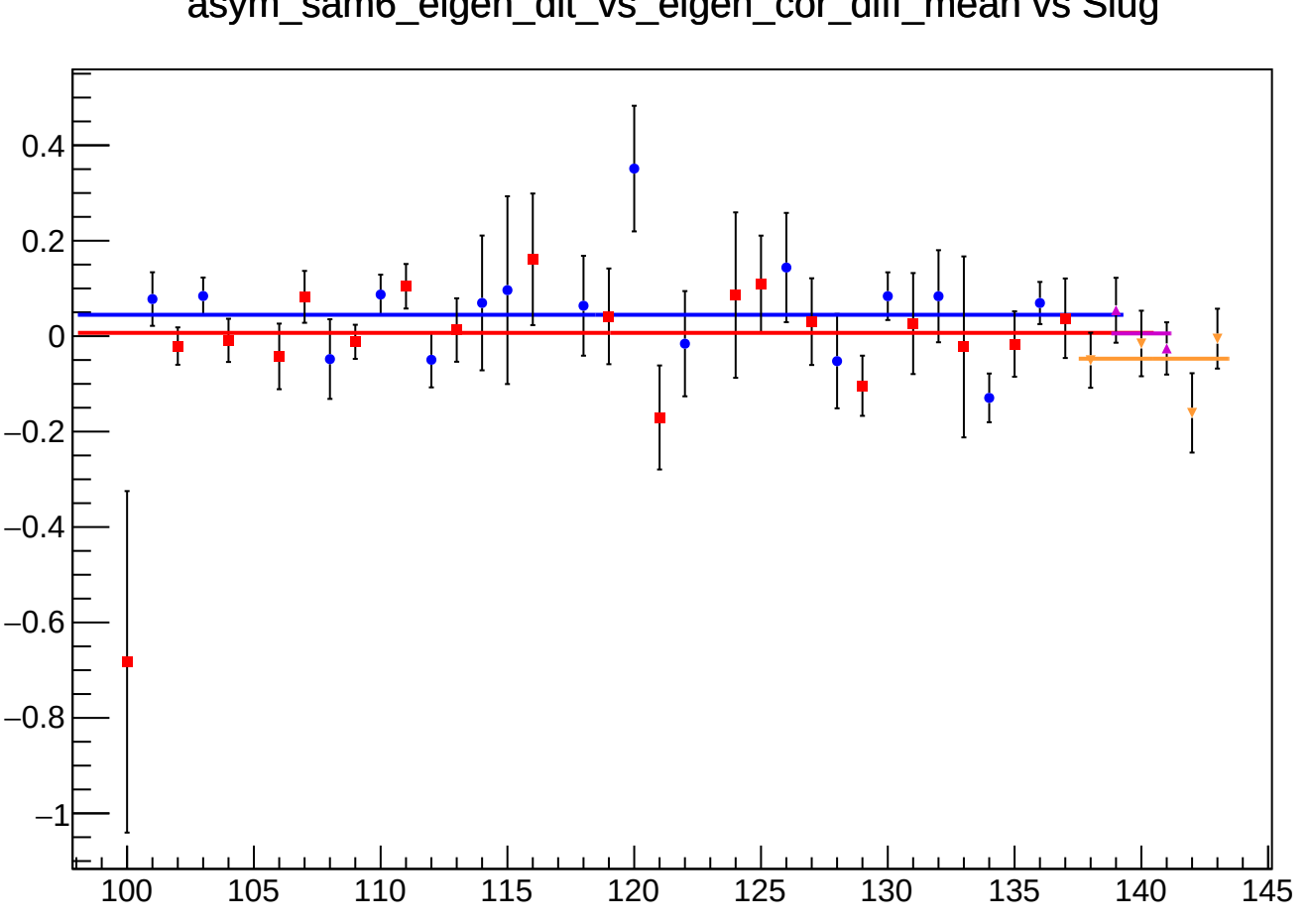
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.387+/-0.030 χ^2/NDF:33171.1/1

+ sign 42.366+/-0.010 χ^2/NDF: 1983340.0/19

All: 40.552+/-0.007 χ^2/NDF: 4516918.8/40

- sign 38.784+/-0.010 χ^2/NDF: 2471105.1/20



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

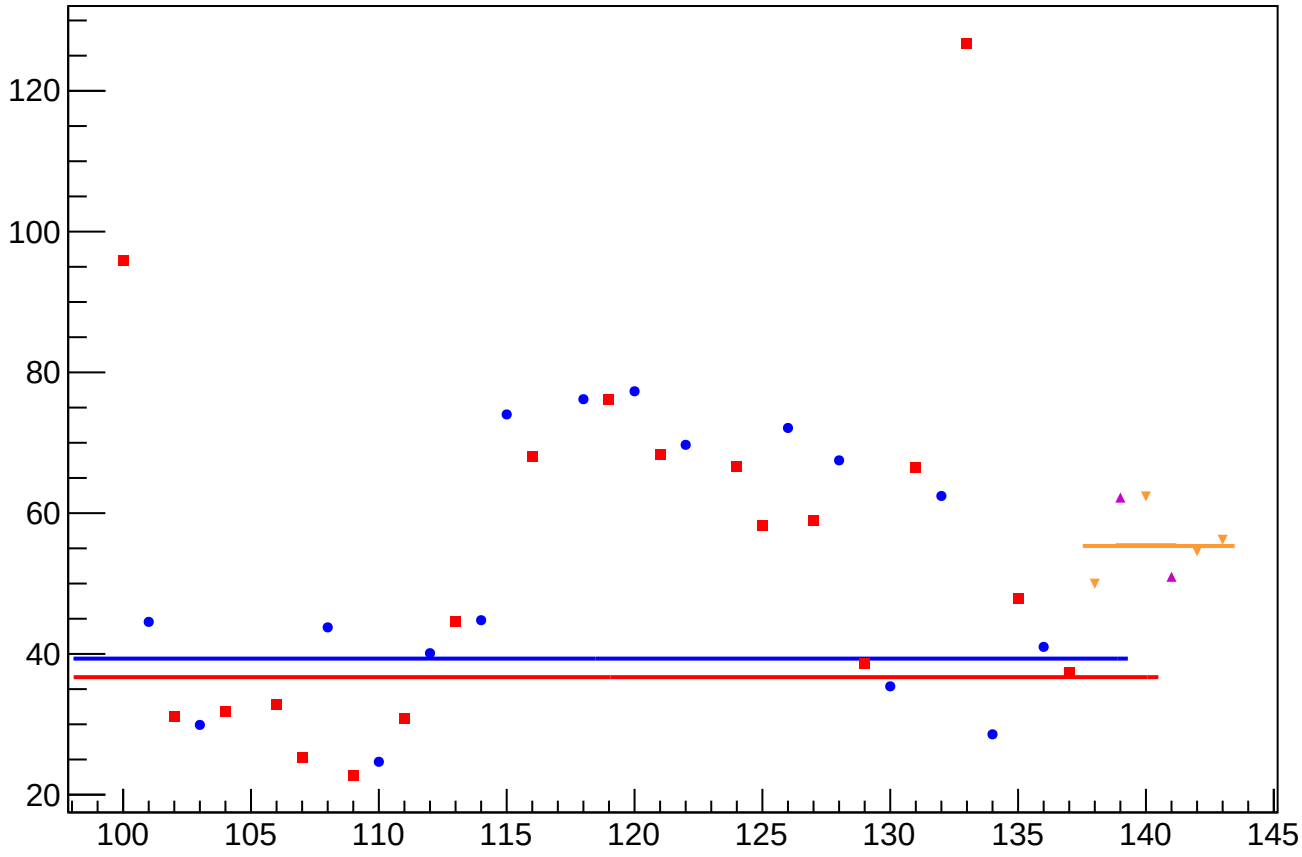
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.043 χ^2/NDF:0.8/1

+ sign 0.027+/-0.014 χ^2/NDF: 35.4/19

All: 0.017+/-0.010 χ^2/NDF: 57.4/40

- sign 0.007+/-0.014 χ^2/NDF: 21.0/20



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.332+/-0.023 χ^2/NDF:38801.3/3

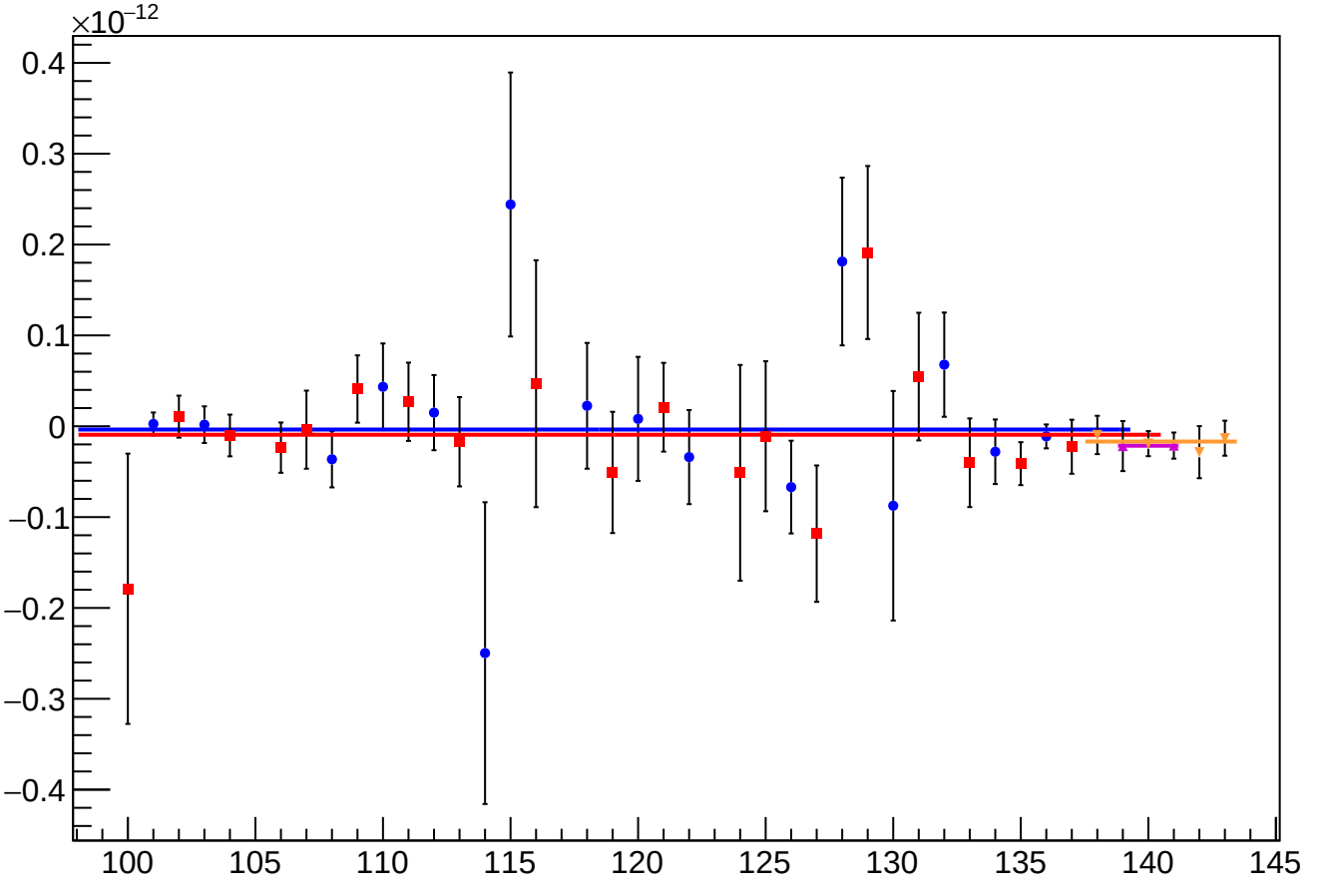
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.387+/-0.030 χ^2/NDF:33171.1/1

+ sign 42.366+/-0.010 χ^2/NDF: 1983340.0/19

All: 40.552+/-0.007 χ^2/NDF: 4516918.8/40

- sign 38.784+/-0.010 χ^2/NDF: 2471105.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.3/3

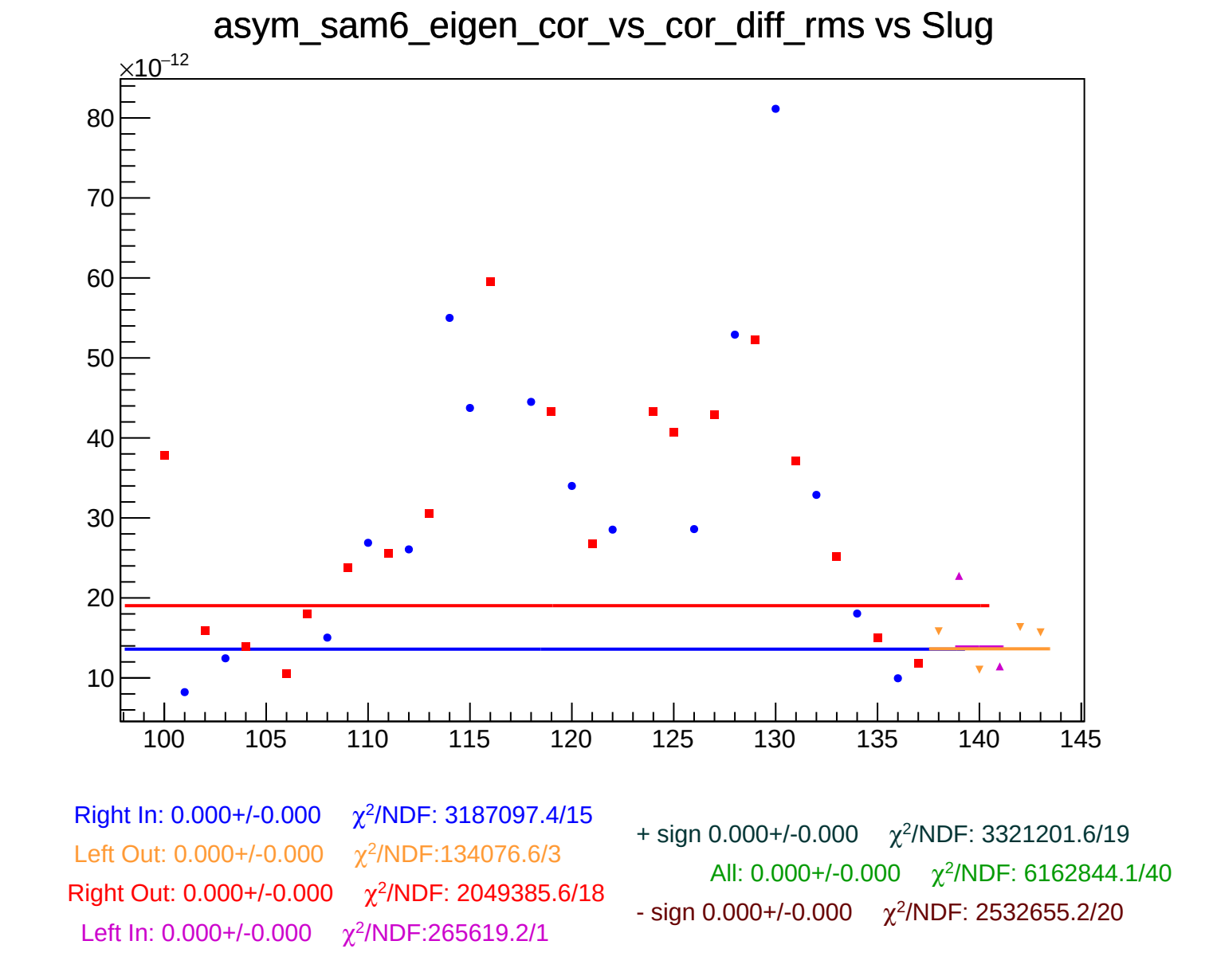
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.2/19

All: -0.000+/-0.000 χ^2/NDF: 34.8/40

- sign -0.000+/-0.000 χ^2/NDF: 16.3/20


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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105
110
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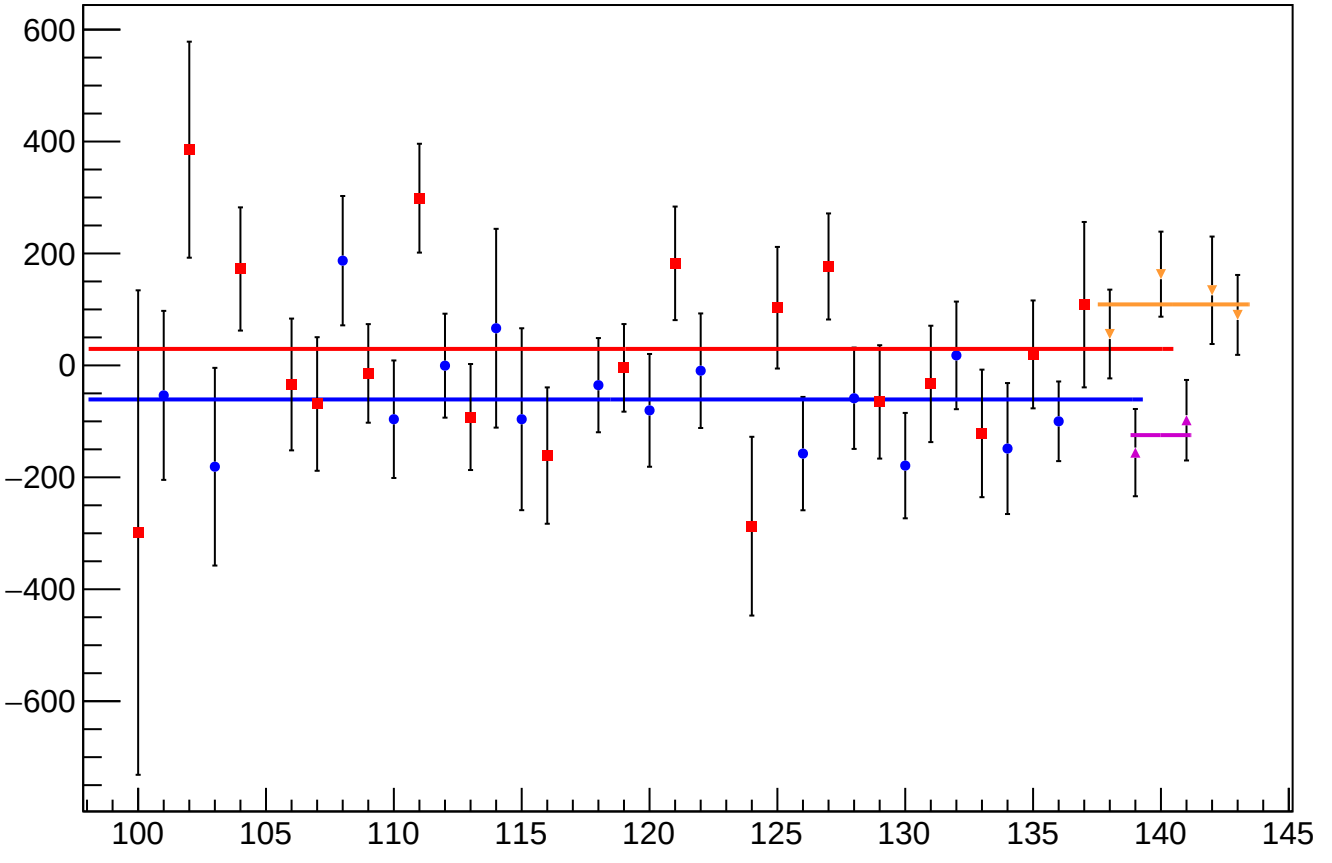
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:134076.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:265619.2/1
+ sign 0.000+/-0.000 χ²/NDF: 3321201.6/19
All: 0.000+/-0.000 χ²/NDF: 6162844.1/40
- sign 0.000+/-0.000 χ²/NDF: 2532655.2/20

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.982+/-39.625 χ^2/NDF:1.1/3

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

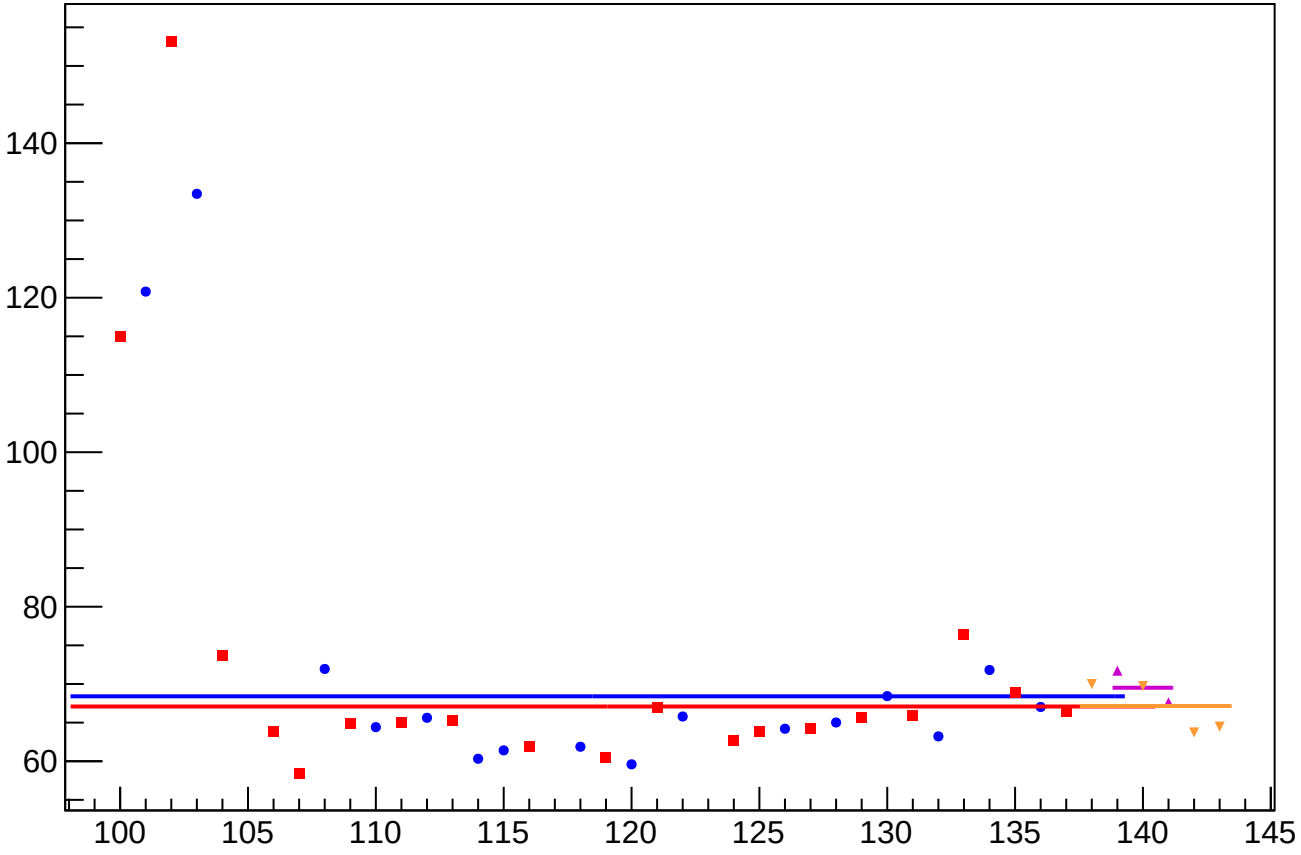
Left In: -124.572+/-52.868 χ^2/NDF:0.3/1

+ sign -9.586+/-21.769 χ^2/NDF: 24.5/19

All: -4.456+/-15.705 χ^2/NDF: 63.0/40

- sign 1.112+/-22.678 χ^2/NDF: 38.4/20

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 67.150+/-0.028 χ^2/NDF:10214.4/3

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

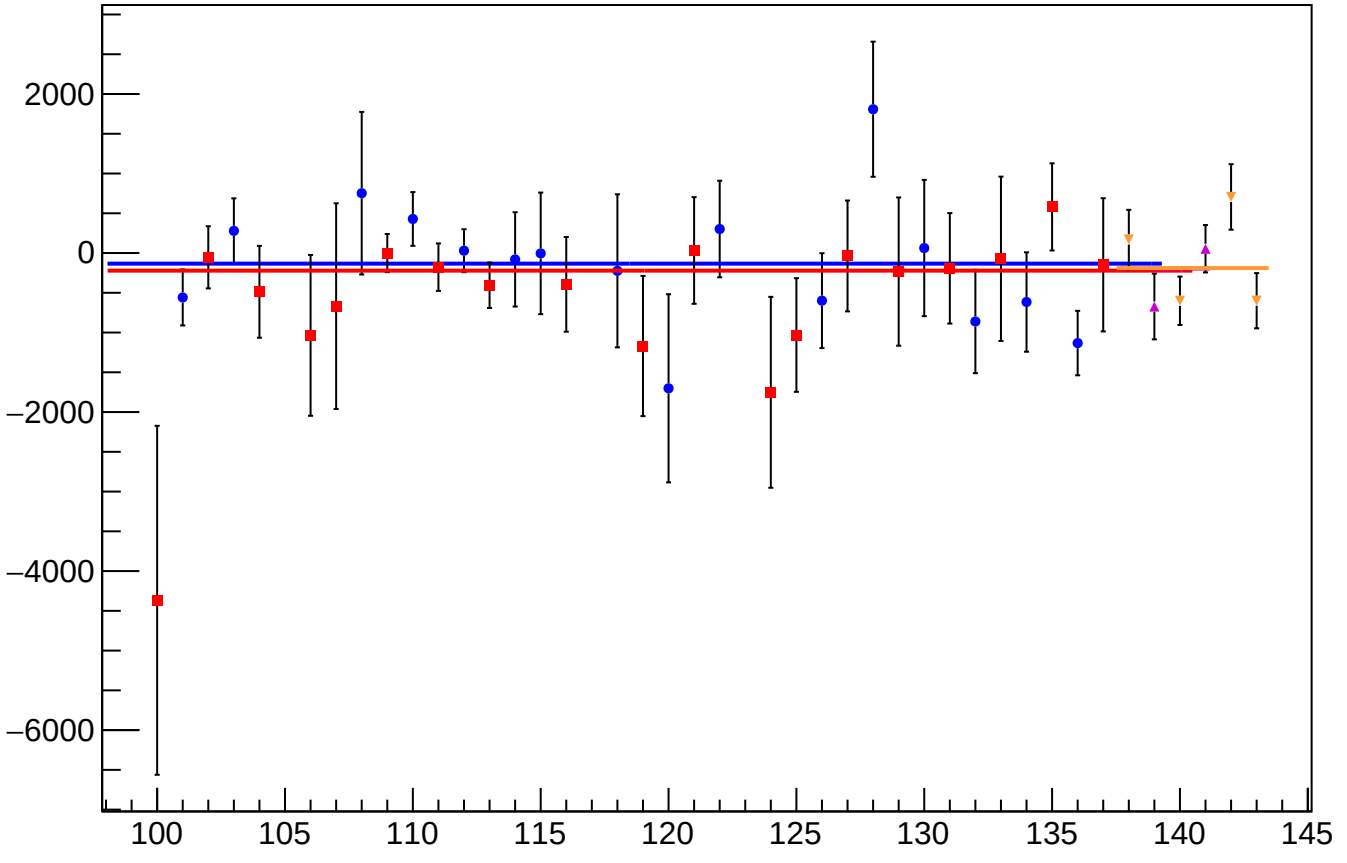
Left In: 69.513+/-0.037 χ^2/NDF:2978.5/1

+ sign 68.025+/-0.015 χ^2/NDF: 581167.9/19

All: 67.789+/-0.011 χ^2/NDF: 1069893.2/40

- sign 67.532+/-0.016 χ^2/NDF: 488233.9/20

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.155+/-176.221 χ^2/NDF:8.9/3

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

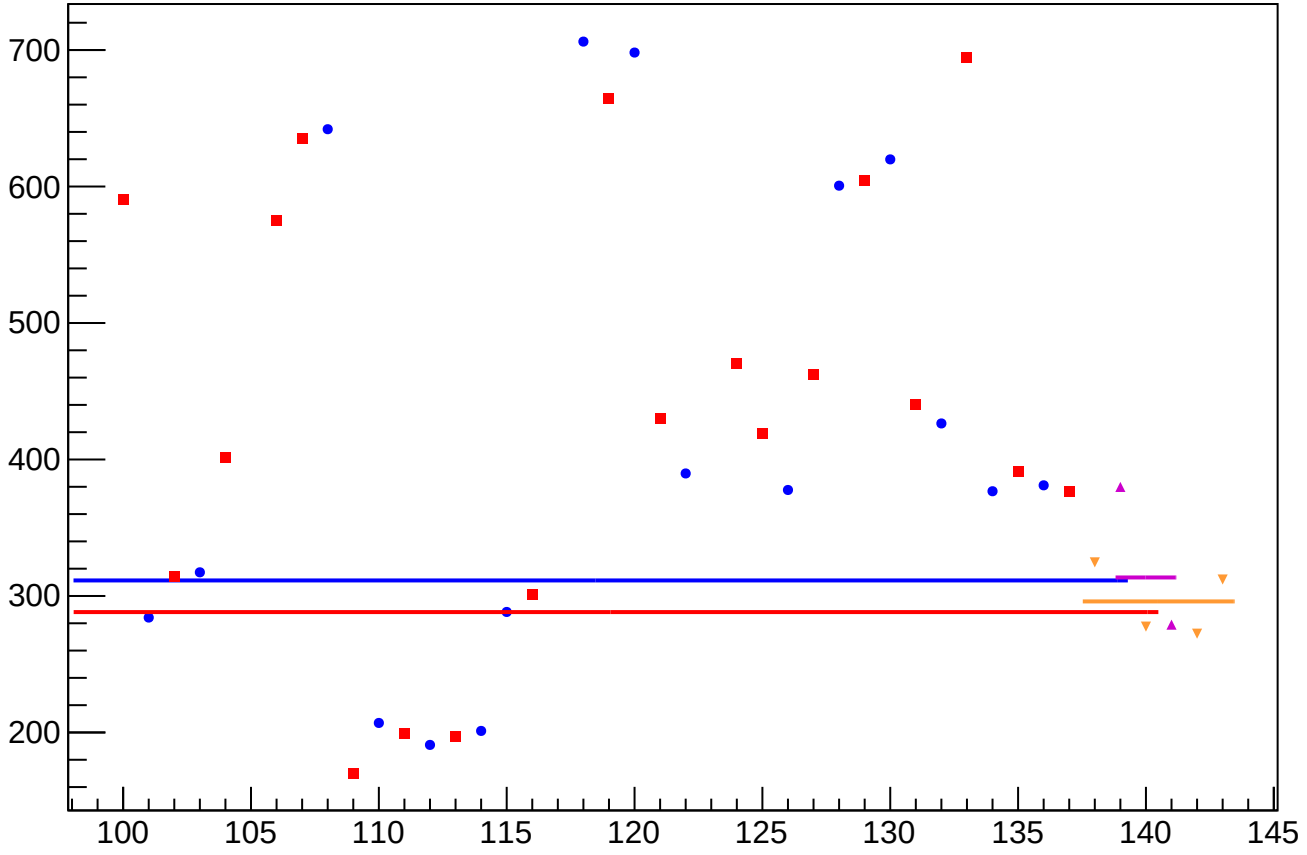
Left In: -195.127+/-241.776 χ^2/NDF:2.0/1

+ sign -152.368+/-102.443 χ^2/NDF: 31.4/19

All: -183.278+/-73.625 χ^2/NDF: 46.2/40

- sign -216.299+/-105.886 χ^2/NDF: 14.6/20

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 296.012+/-0.125 χ^2/NDF:30010.6/3

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

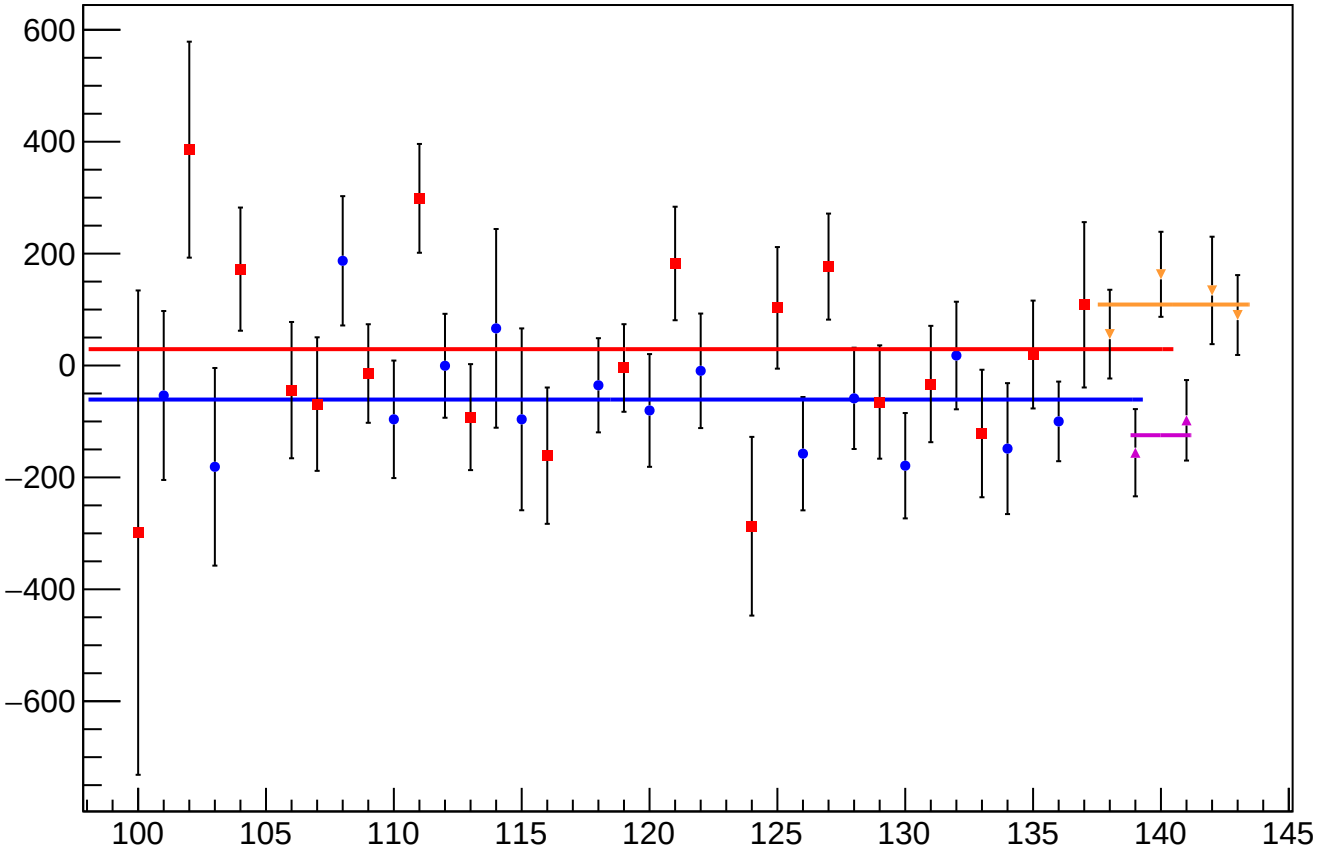
Left In: 313.565+/-0.171 χ^2/NDF:78465.5/1

+ sign 306.190+/-0.072 χ^2/NDF: 2163887.1/19

All: 299.846+/-0.052 χ^2/NDF: 4991380.5/40

- sign 293.069+/-0.075 χ^2/NDF: 2811629.8/20

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.981+/-39.625 χ^2/NDF:1.1/3

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

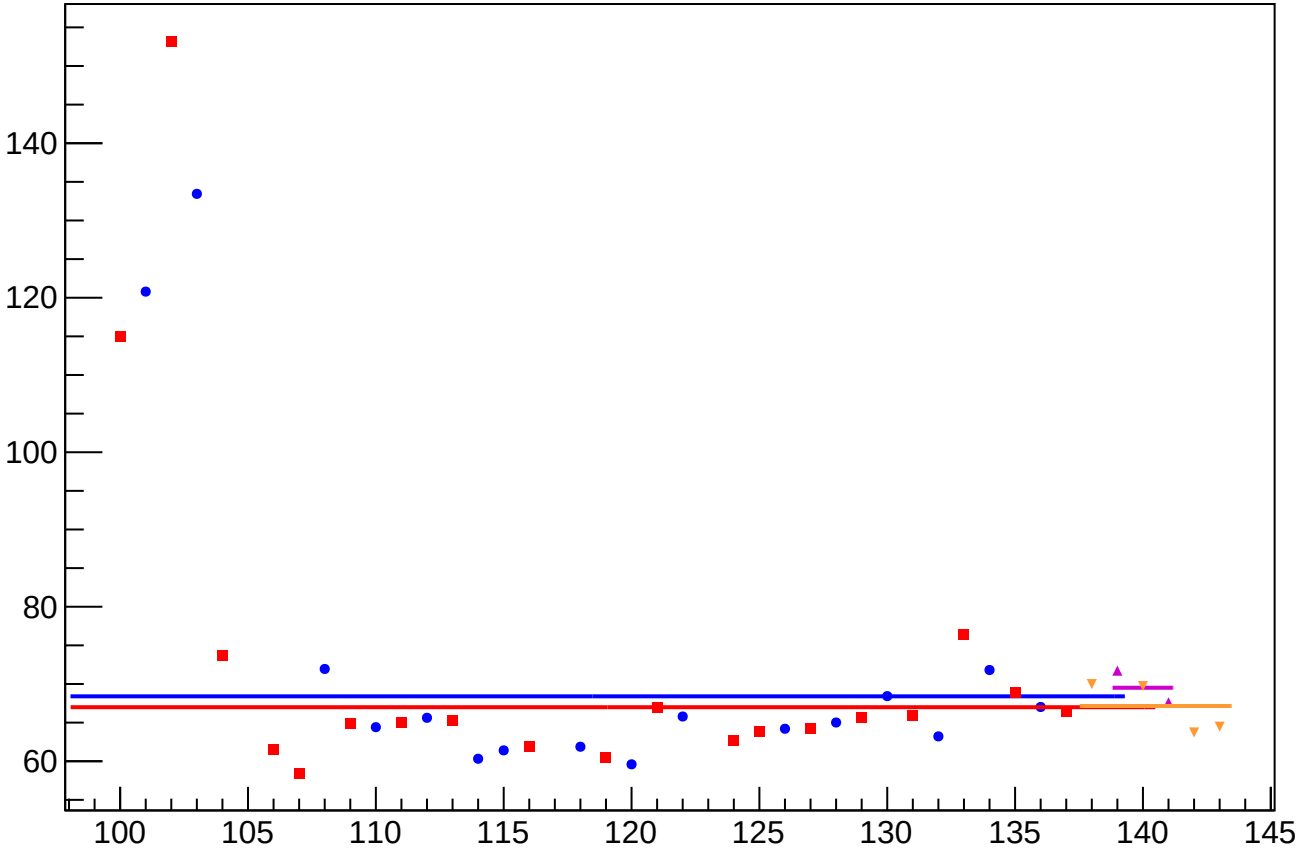
Left In: -124.573+/-52.868 χ^2/NDF:0.3/1

+ sign -9.588+/-21.769 χ^2/NDF: 24.5/19

All: -4.587+/-15.714 χ^2/NDF: 63.1/40

- sign 0.853+/-22.706 χ^2/NDF: 38.5/20

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 67.150+/-0.028 χ^2/NDF:10214.4/3

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

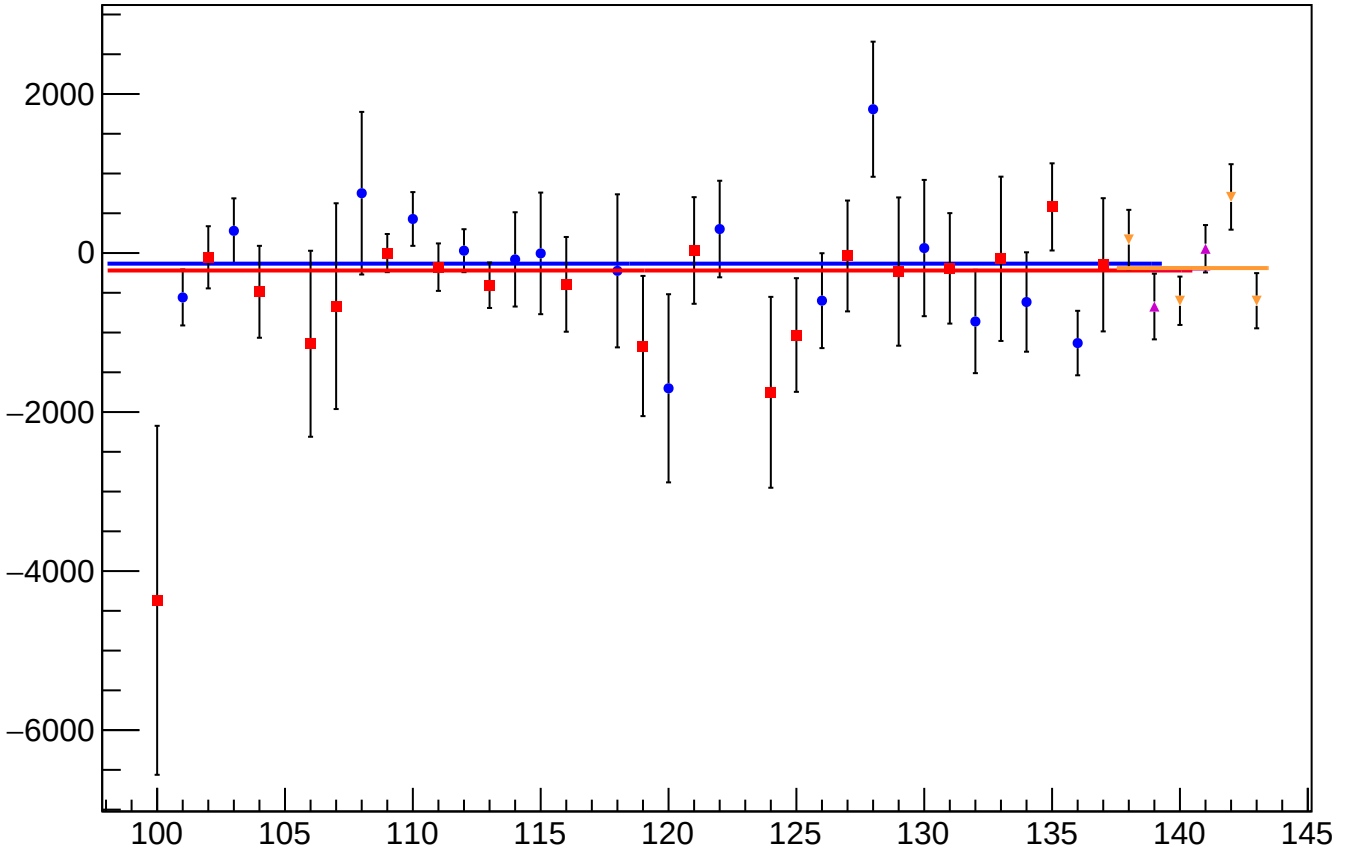
Left In: 69.513+/-0.037 χ^2/NDF:2978.5/1

+ sign 68.025+/-0.015 χ^2/NDF: 581168.3/19

All: 67.754+/-0.011 χ^2/NDF: 1072983.3/40

- sign 67.459+/-0.016 χ^2/NDF: 491167.6/20

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.151+/-176.221 χ^2/NDF:8.9/3

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

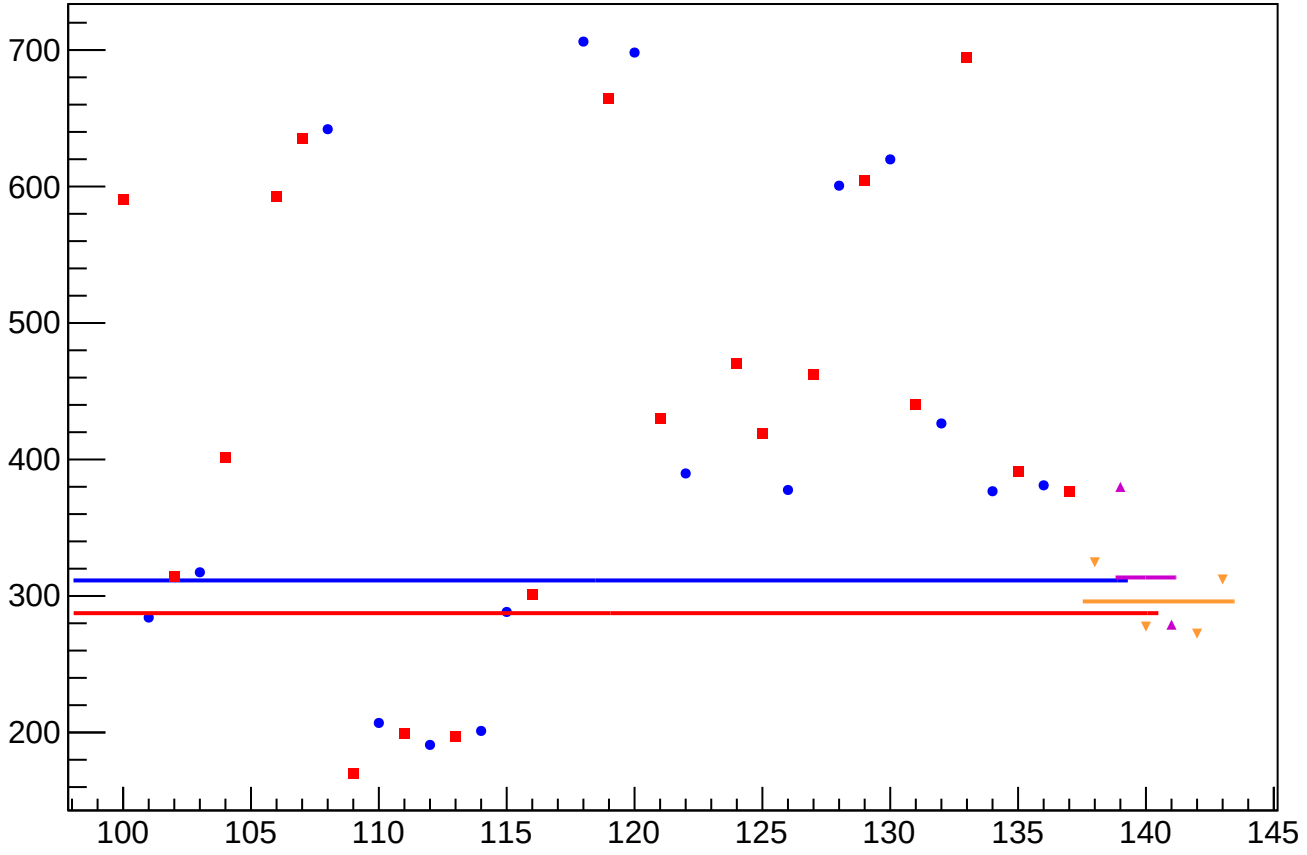
Left In: -195.122+/-241.777 χ^2/NDF:2.0/1

+ sign -152.365+/-102.444 χ^2/NDF: 31.4/19

All: -182.557+/-73.676 χ^2/NDF: 46.1/40

- sign -214.904+/-106.037 χ^2/NDF: 14.6/20

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.011+/-0.125 χ^2/NDF:30009.9/3

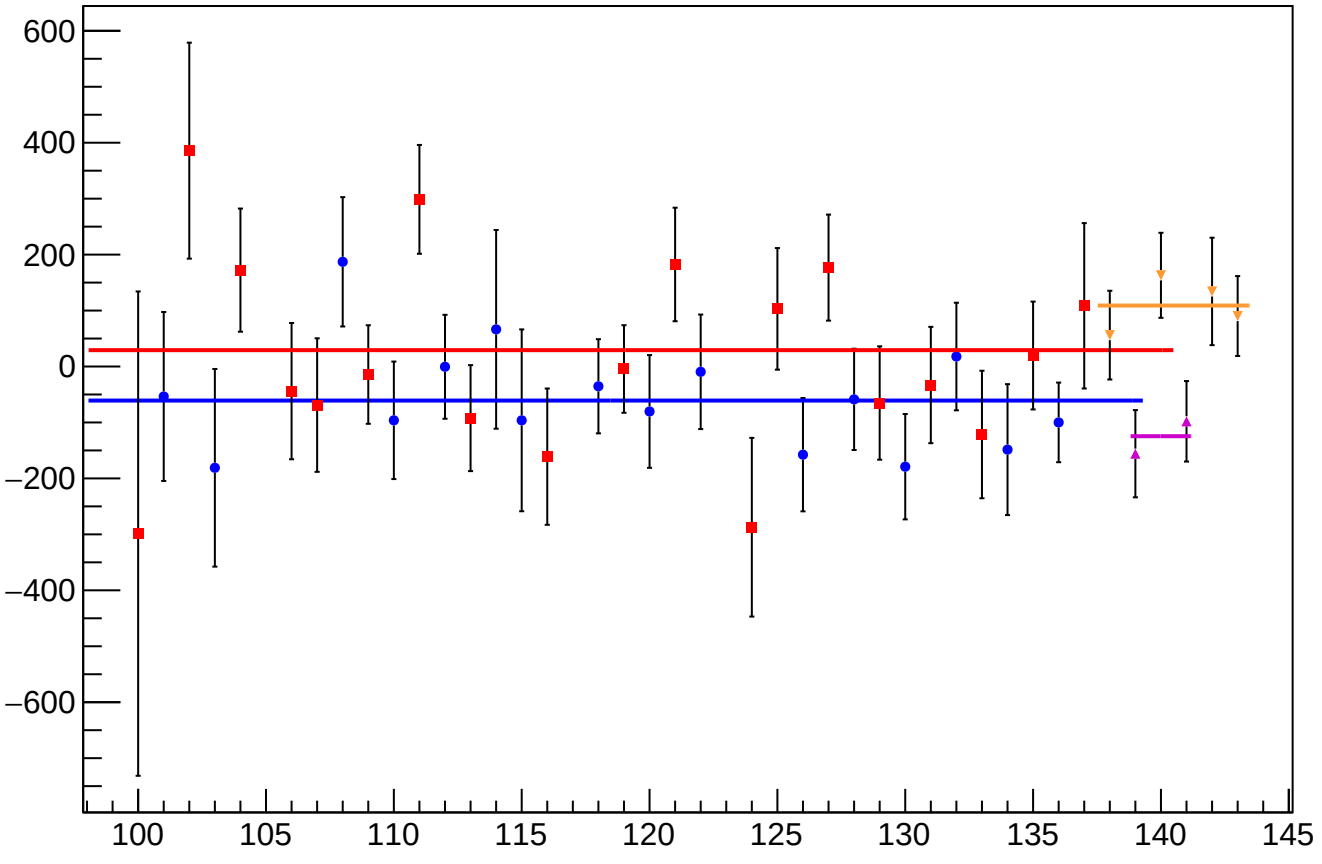
Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 313.566+/-0.171 χ^2/NDF:78464.3/1

+ sign 306.191+/-0.072 χ^2/NDF: 2163891.1/19

All: 299.554+/-0.052 χ^2/NDF: 4968902.3/40

- sign 292.443+/-0.075 χ^2/NDF: 2787622.2/20



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.981+/-39.625 χ^2/NDF:1.1/3

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

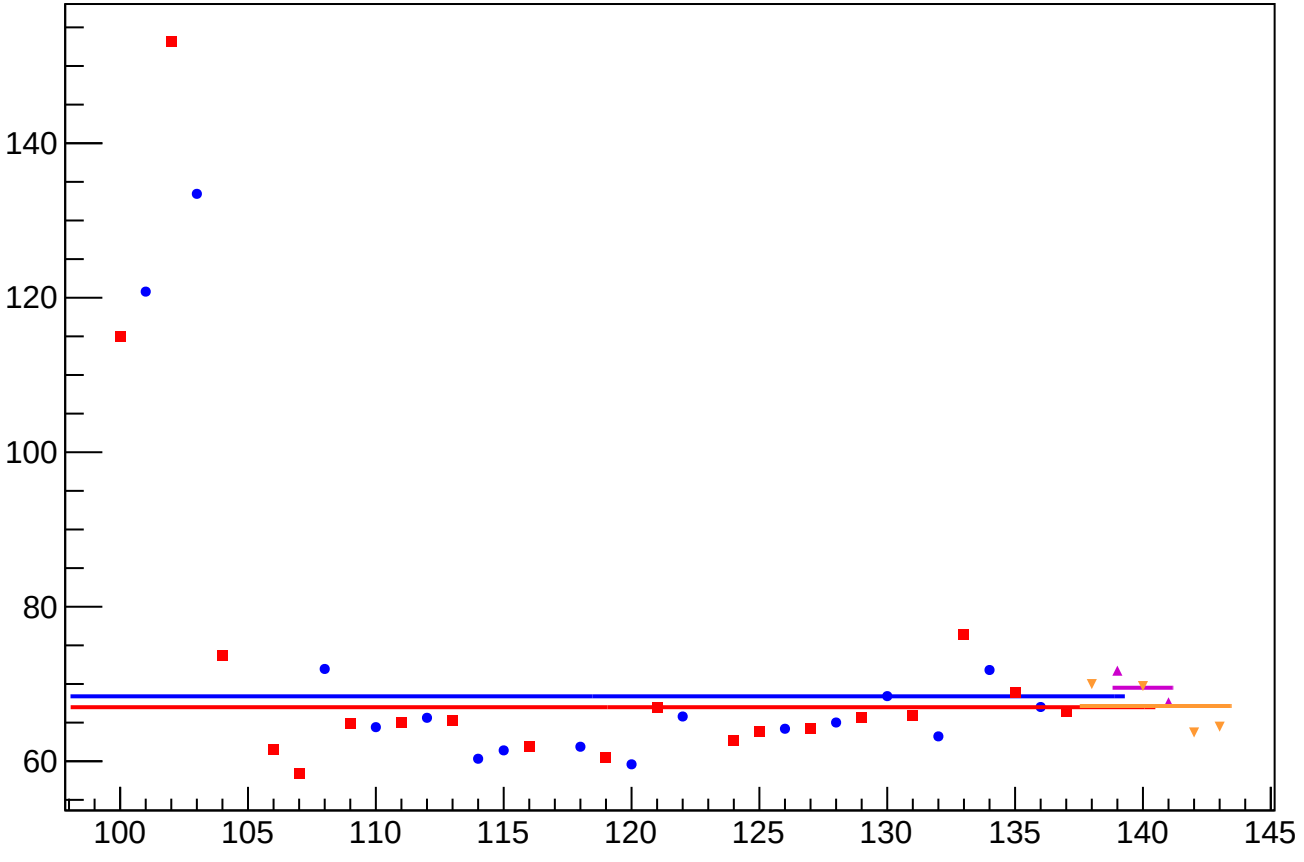
Left In: -124.573+/-52.868 χ^2/NDF:0.3/1

+ sign -9.588+/-21.769 χ^2/NDF: 24.5/19

All: -4.587+/-15.714 χ^2/NDF: 63.1/40

- sign 0.853+/-22.706 χ^2/NDF: 38.5/20

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 67.150+/-0.028 χ^2/NDF:10214.4/3

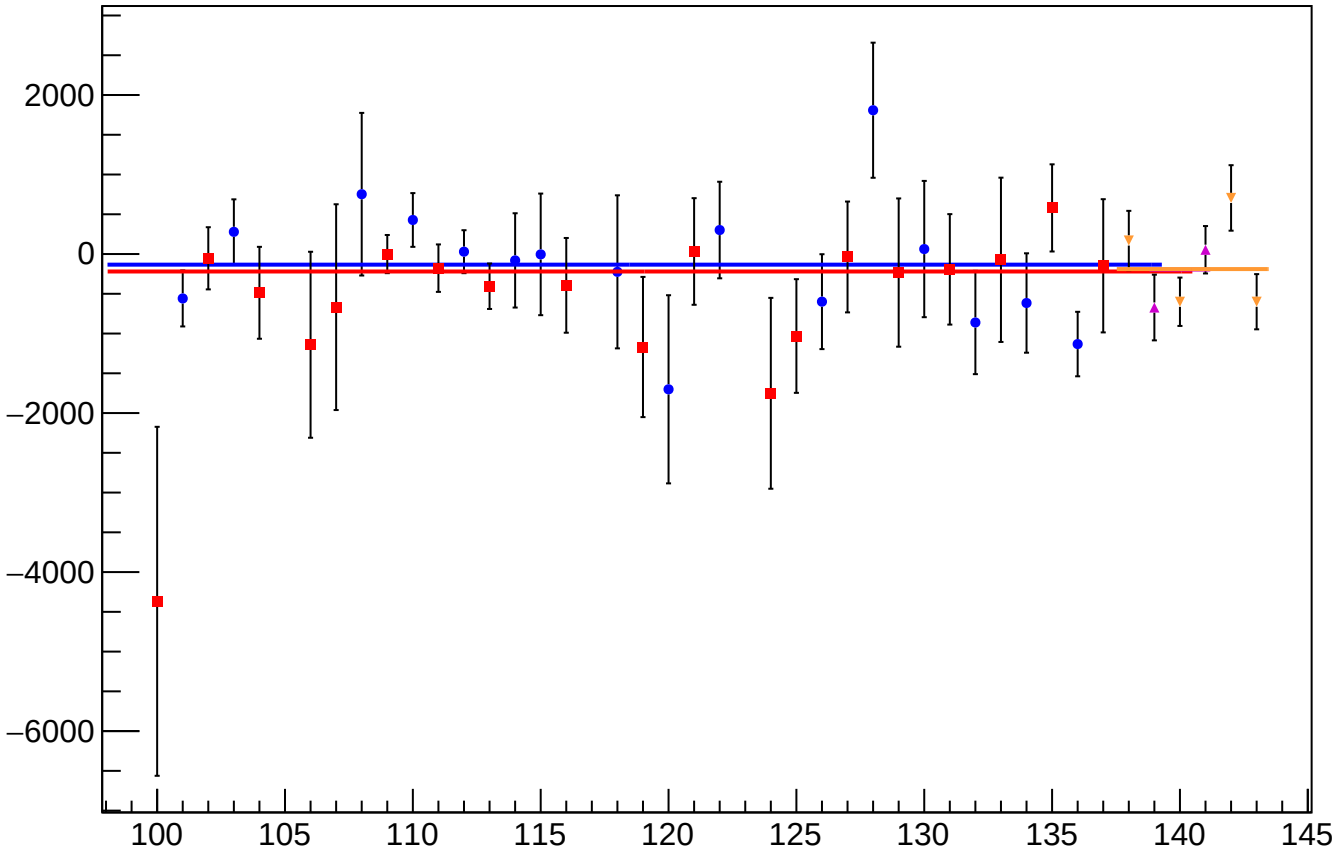
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 69.513+/-0.037 χ^2/NDF:2978.5/1

+ sign 68.025+/-0.015 χ^2/NDF: 581168.3/19

All: 67.754+/-0.011 χ^2/NDF: 1072983.3/40

- sign 67.459+/-0.016 χ^2/NDF: 491167.6/20



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.151+/-176.221 χ^2/NDF:8.9/3

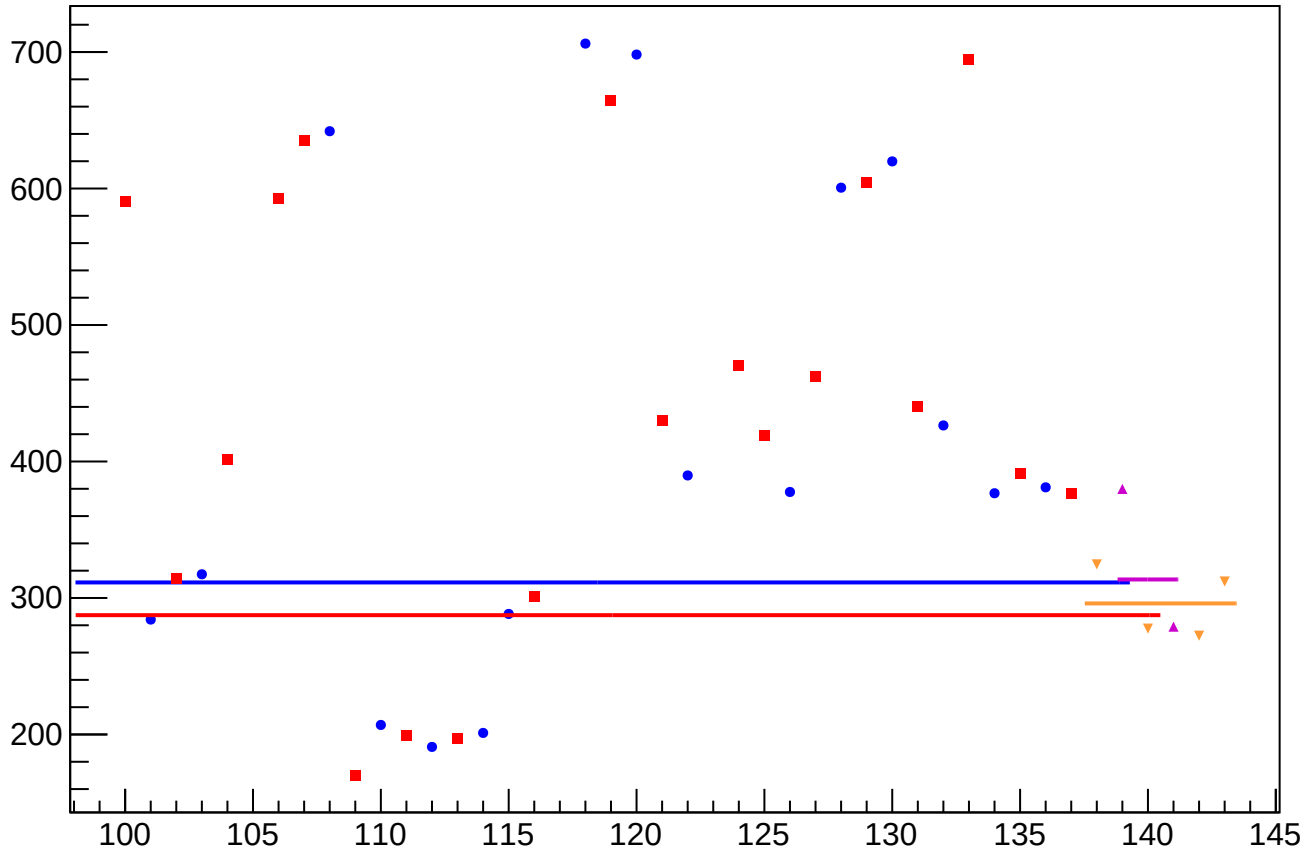
Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -195.122+/-241.777 χ^2/NDF:2.0/1

+ sign -152.365+/-102.444 χ^2/NDF: 31.4/19

All: -182.557+/-73.676 χ^2/NDF: 46.1/40

- sign -214.904+/-106.037 χ^2/NDF: 14.6/20



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.011+/-0.125 χ^2/NDF:30009.9/3

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

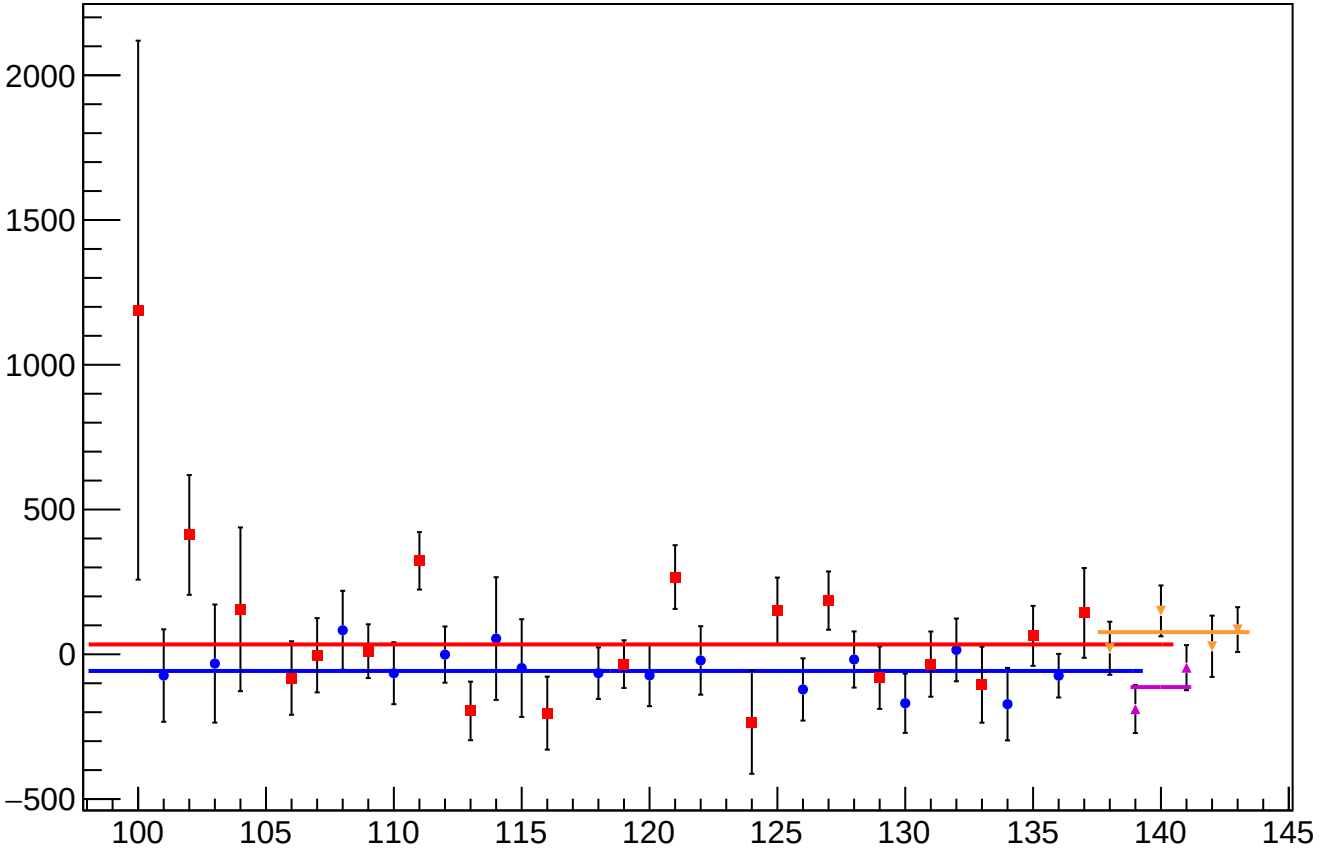
Left In: 313.566+/-0.171 χ^2/NDF:78464.3/1

+ sign 306.191+/-0.072 χ^2/NDF: 2163891.1/19

All: 299.554+/-0.052 χ^2/NDF: 4968902.3/40

- sign 292.443+/-0.075 χ^2/NDF: 2787622.2/20

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 76.527+/-44.512 χ^2/NDF:1.3/3

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

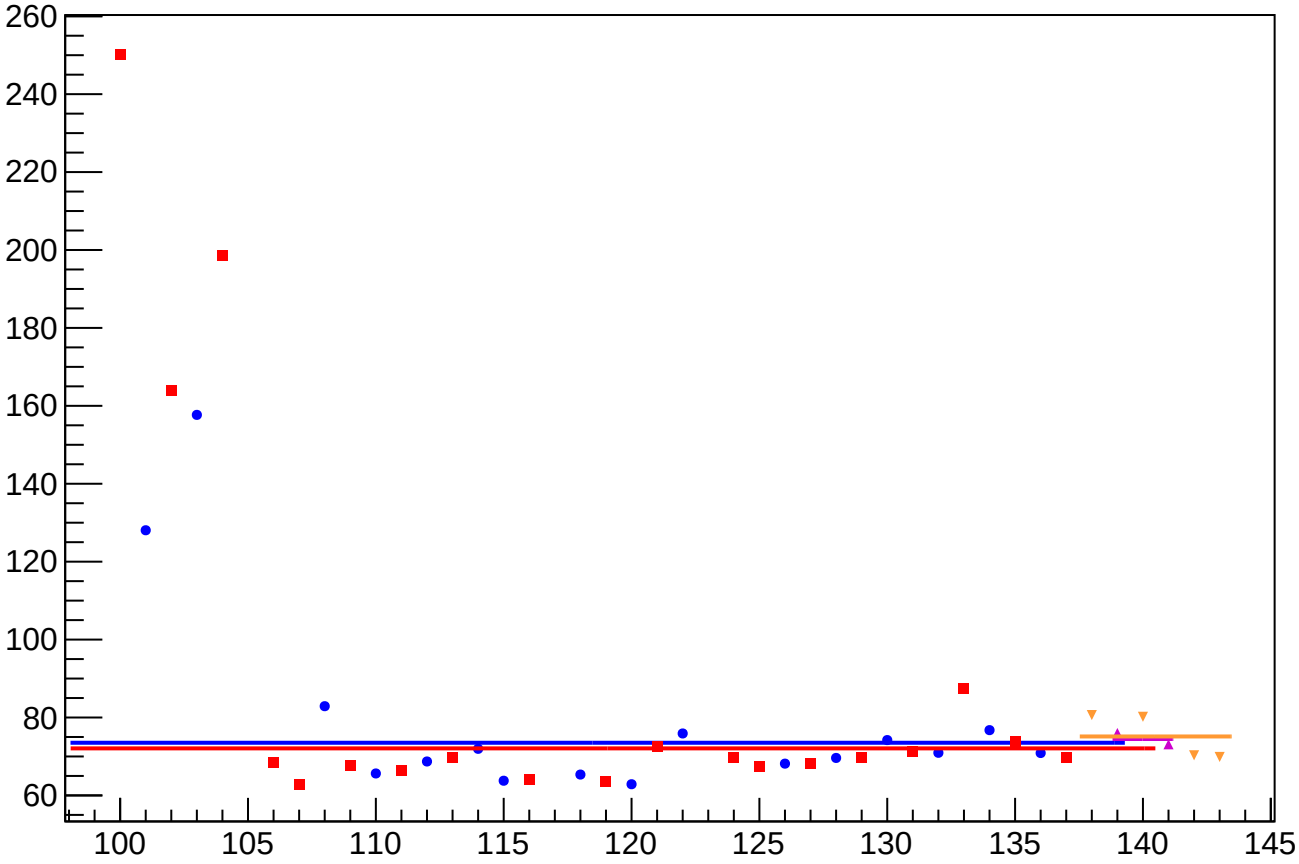
Left In: -113.294+/-56.710 χ^2/NDF:1.6/1

+ sign -19.357+/-23.753 χ^2/NDF: 12.7/19

All: -7.084+/-17.111 χ^2/NDF: 57.4/40

- sign 6.153+/-24.670 χ^2/NDF: 44.2/20

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 75.132+/-0.031 χ^2/NDF:27178.7/3

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

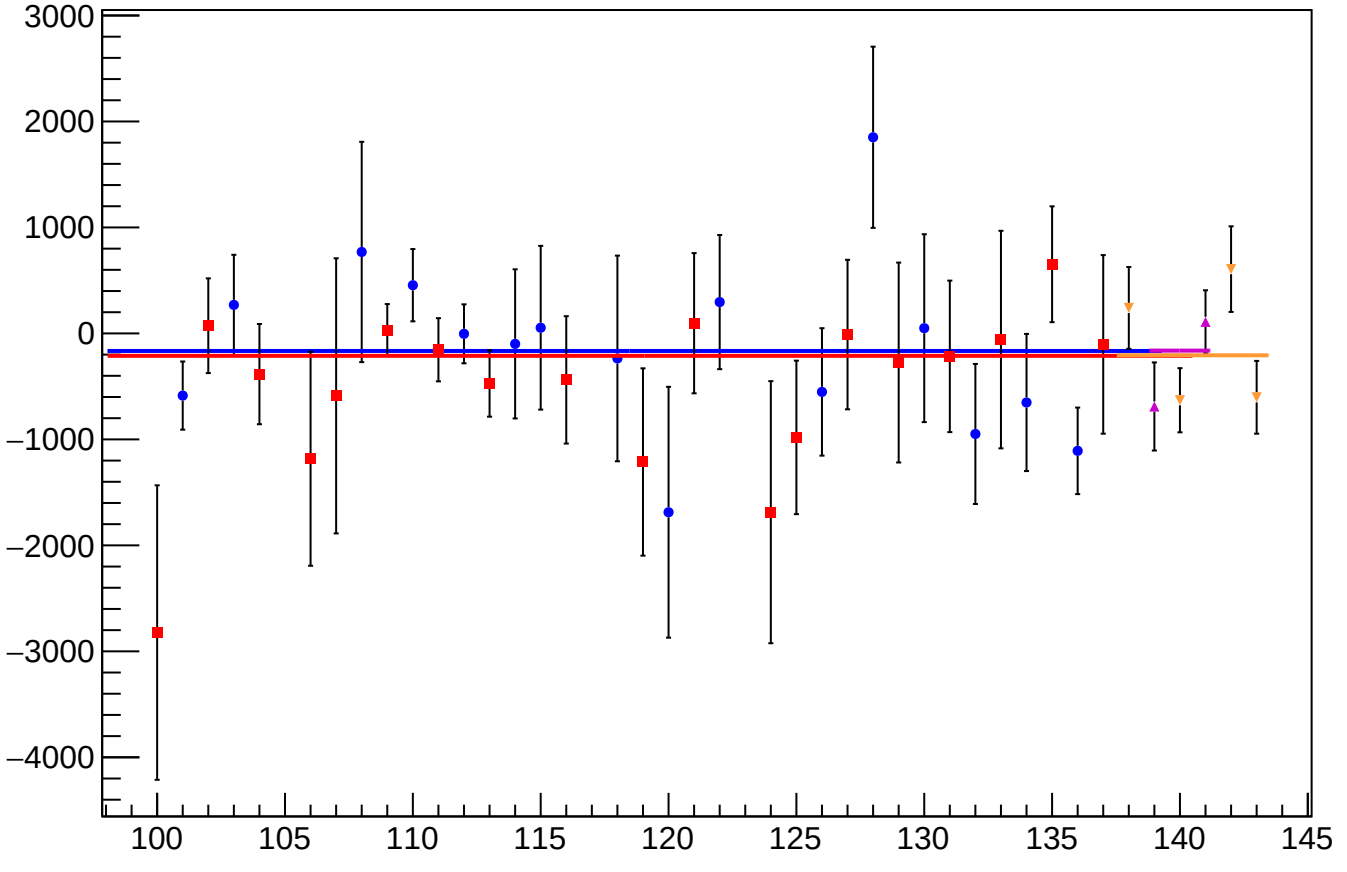
Left In: 74.484+/-0.040 χ^2/NDF:1299.1/1

+ sign 73.978+/-0.017 χ^2/NDF: 685905.4/19

All: 73.282+/-0.012 χ^2/NDF: 1652206.0/40

- sign 72.530+/-0.017 χ^2/NDF: 962723.3/20

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -206.416+/-176.144 χ^2/NDF:8.7/3

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

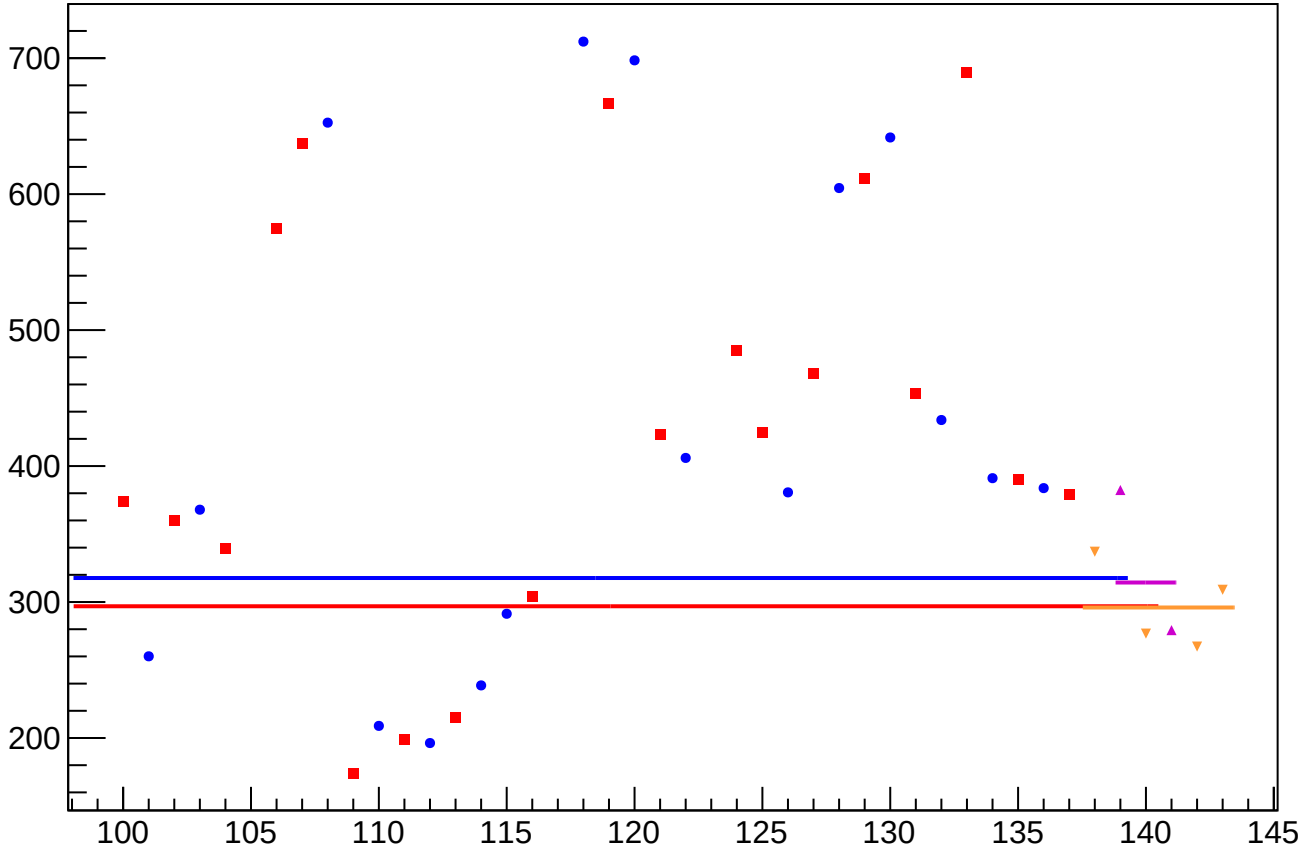
Left In: -162.339+/-242.342 χ^2/NDF:2.4/1

+ sign -179.703+/-103.779 χ^2/NDF: 31.4/19

All: -190.292+/-74.706 χ^2/NDF: 47.5/40

- sign -201.681+/-107.626 χ^2/NDF: 16.1/20

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 295.980+/-0.125 χ^2/NDF:43664.6/3

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

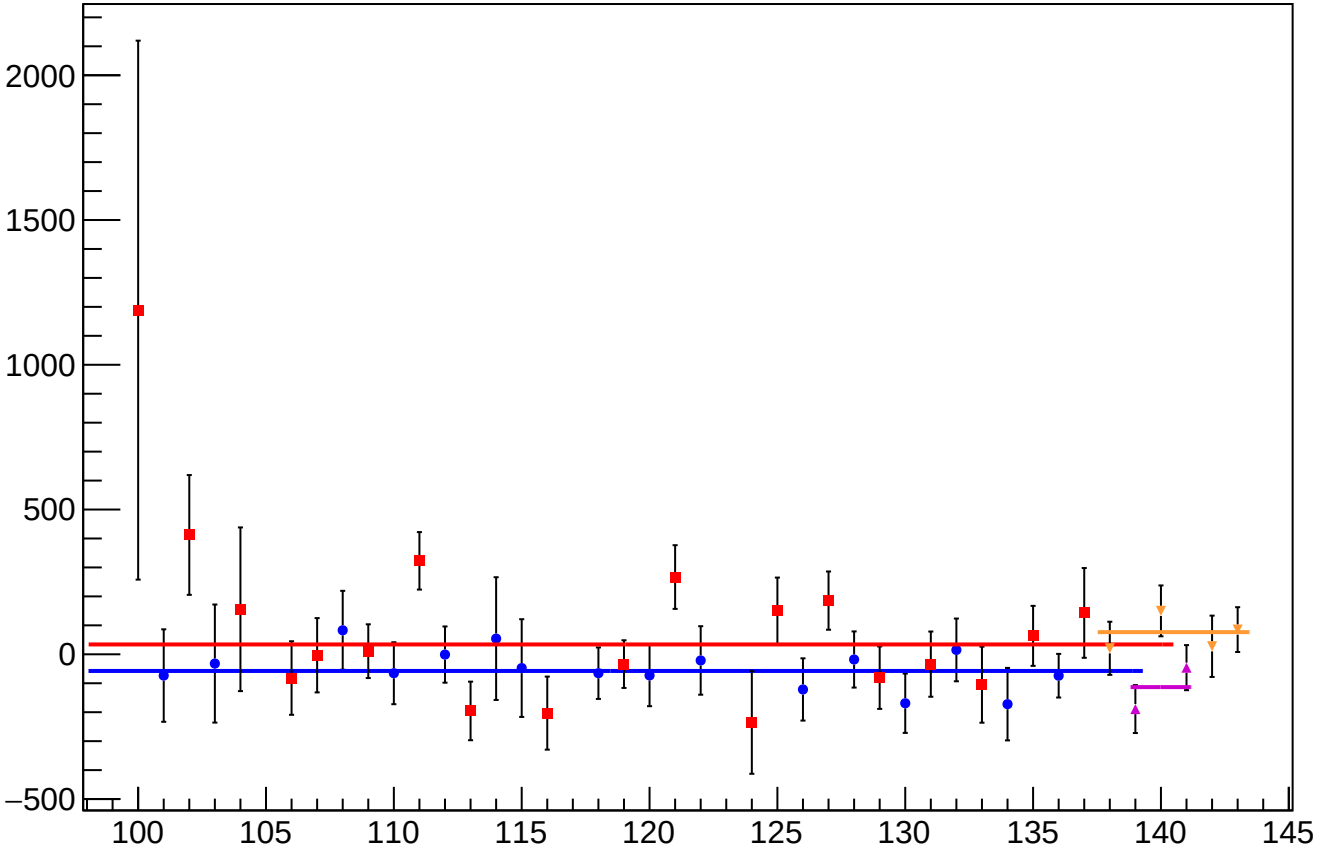
Left In: 314.351+/-0.171 χ^2/NDF:81115.6/1

\+ sign 310.137+/-0.073 χ^2/NDF: 2199645.0/19

All: 305.413+/-0.053 χ^2/NDF: 4838738.6/40

\- sign 300.332+/-0.076 χ^2/NDF: 2630492.2/20

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 76.525+/-44.512 χ^2/NDF:1.3/3

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

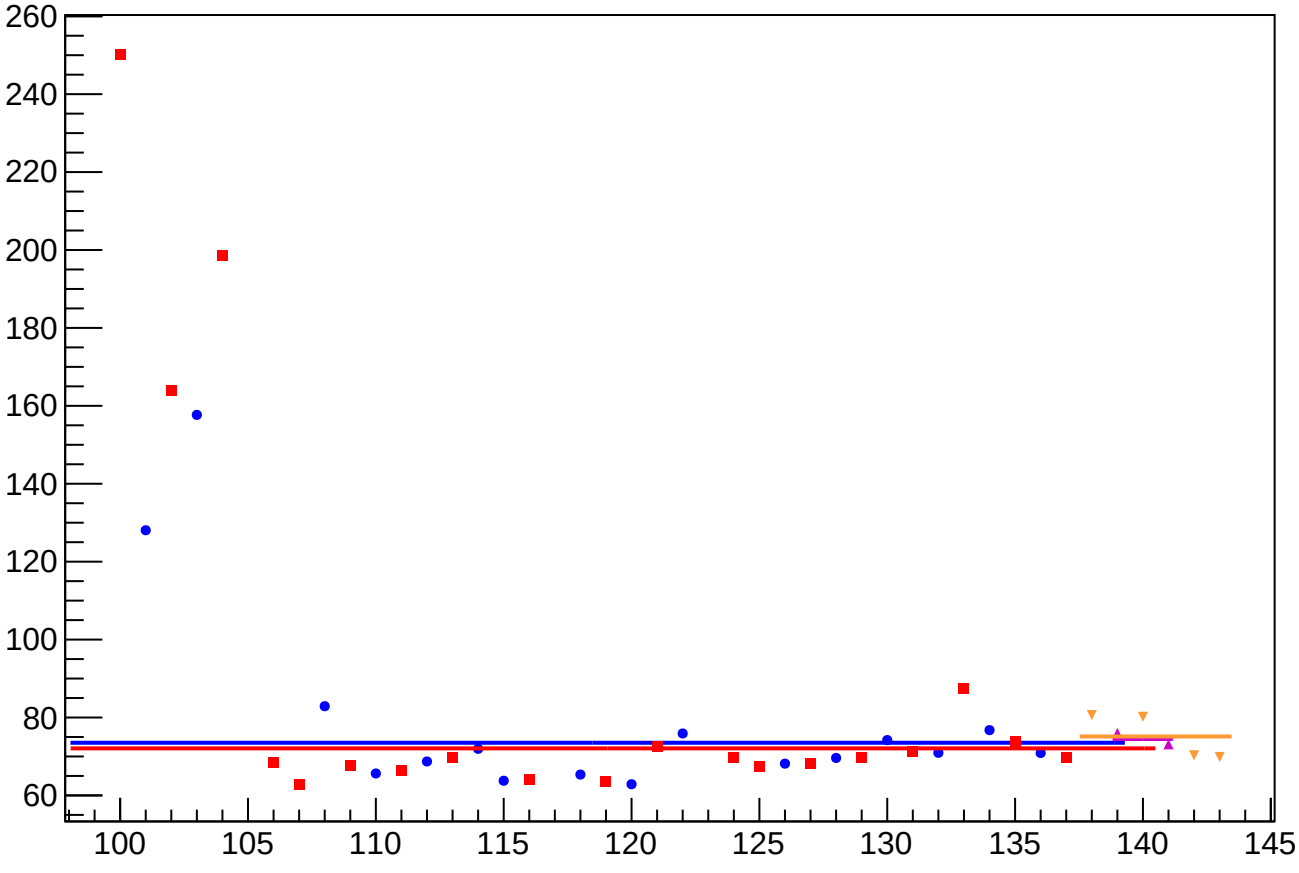
Left In: -113.295+/-56.710 χ^2/NDF:1.6/1

+ sign -19.357+/-23.753 χ^2/NDF: 12.7/19

All: -7.084+/-17.111 χ^2/NDF: 57.4/40

- sign 6.154+/-24.670 χ^2/NDF: 44.2/20

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 75.132+/-0.031 χ^2/NDF:27177.8/3

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

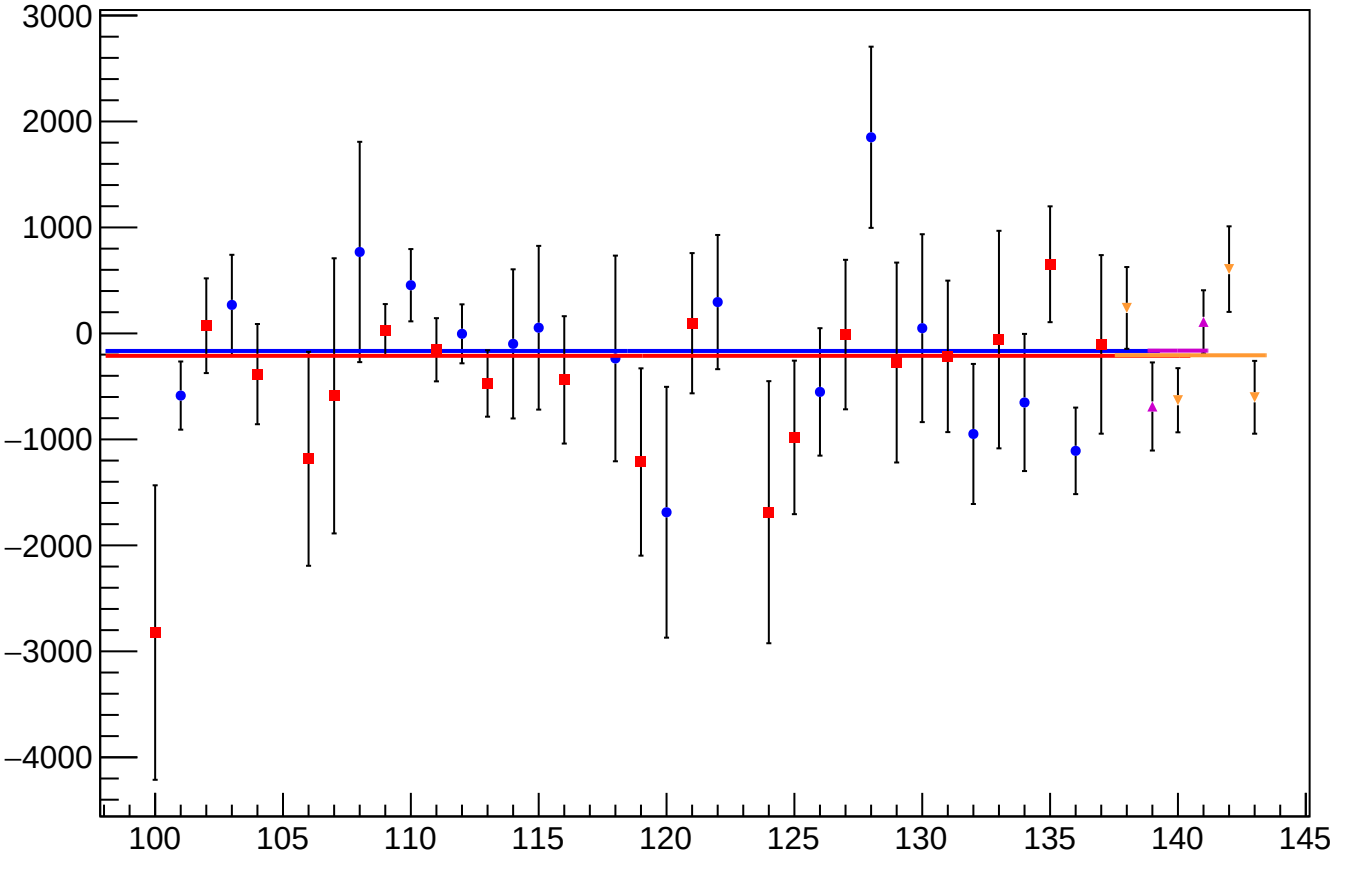
Left In: 74.484+/-0.040 χ^2/NDF:1299.1/1

+ sign 73.978+/-0.017 χ^2/NDF: 685906.6/19

All: 73.282+/-0.012 χ^2/NDF: 1652208.7/40

- sign 72.530+/-0.017 χ^2/NDF: 962724.8/20

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -206.417+/-176.144 χ^2/NDF:8.7/3

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

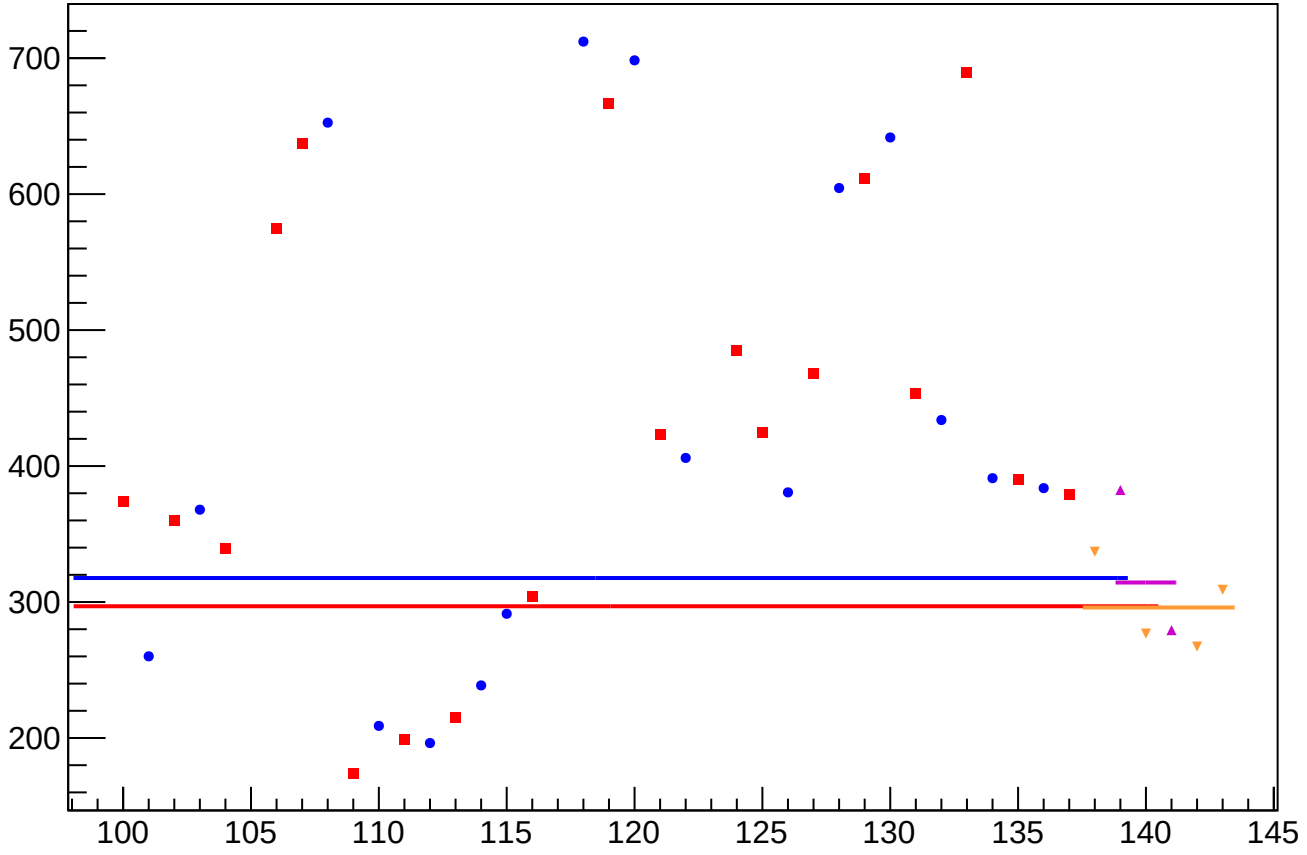
Left In: -162.341+/-242.342 χ^2/NDF:2.4/1

+ sign -179.702+/-103.778 χ^2/NDF: 31.4/19

All: -190.292+/-74.705 χ^2/NDF: 47.5/40

- sign -201.681+/-107.625 χ^2/NDF: 16.1/20

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 295.980+/-0.125 χ^2/NDF:43664.3/3

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

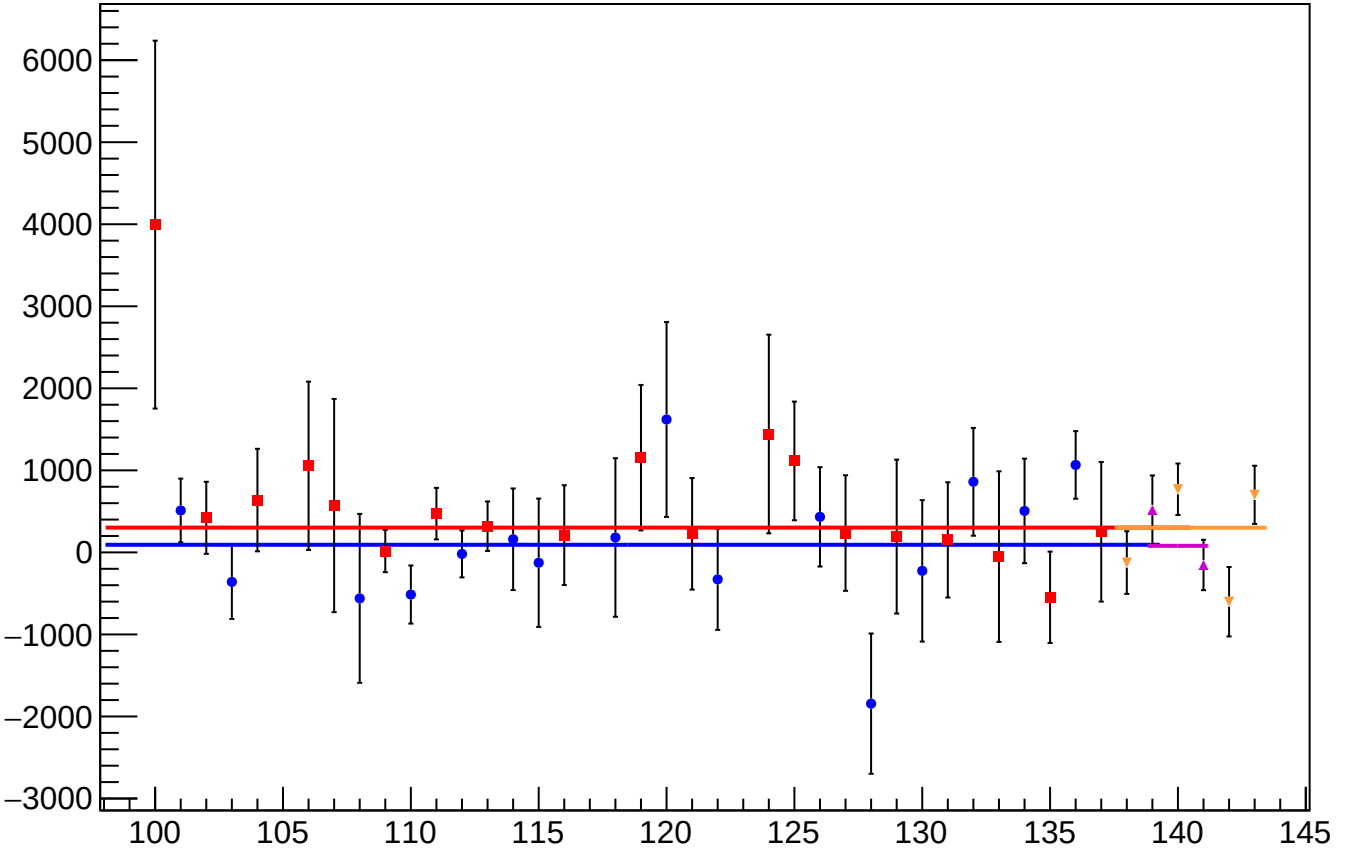
Left In: 314.351+/-0.171 χ^2/NDF:81114.6/1

+ sign 310.135+/-0.073 χ^2/NDF: 2199672.6/19

All: 305.412+/-0.053 χ^2/NDF: 4838776.9/40

- sign 300.331+/-0.076 χ^2/NDF: 2630503.6/20

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 300.976+/-180.895 χ^2/NDF:9.3/3

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

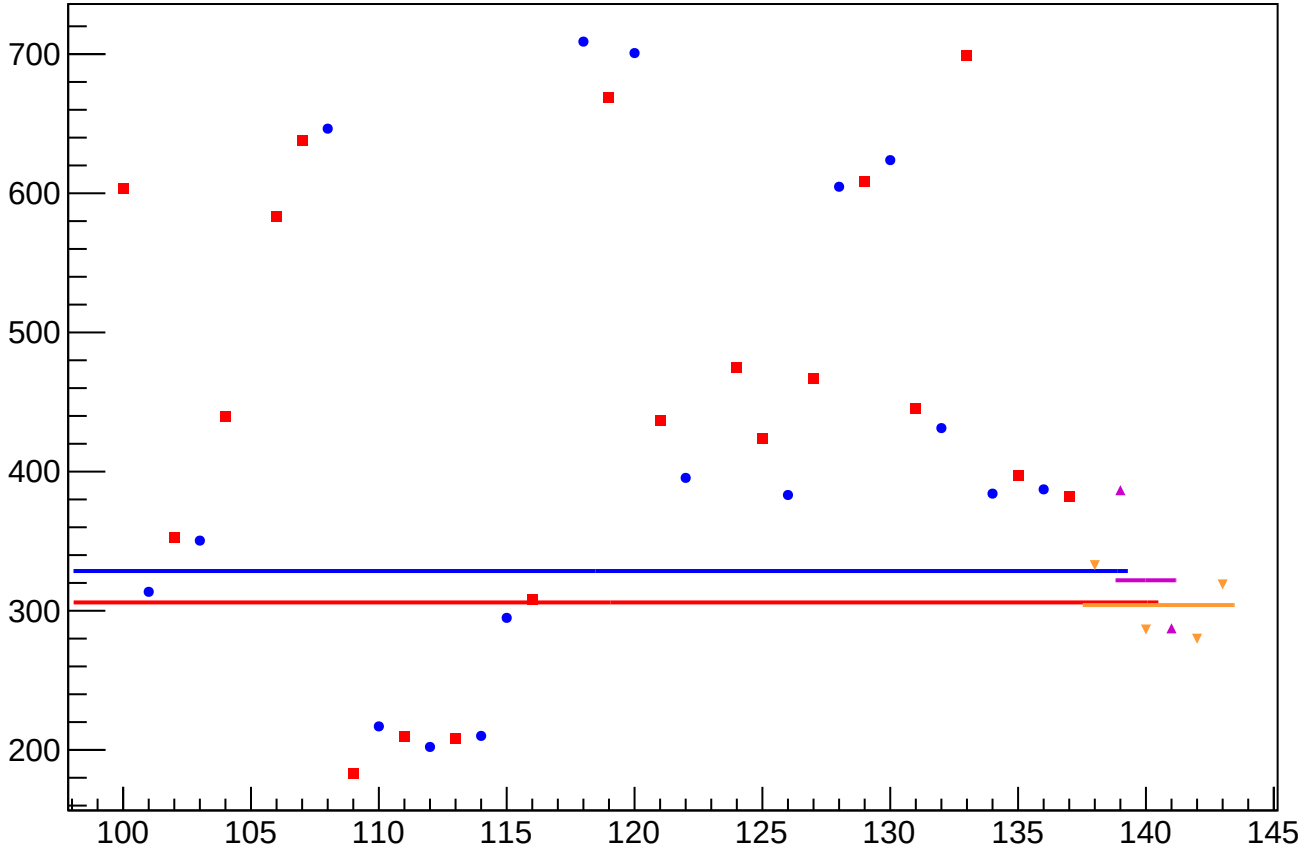
Left In: 80.019+/-247.931 χ^2/NDF:1.7/1

+ sign 165.083+/-106.591 χ^2/NDF: 31.0/19

All: 209.653+/-76.831 χ^2/NDF: 44.5/40

- sign 257.850+/-110.843 χ^2/NDF: 13.1/20

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 304.104+/-0.128 χ^2/NDF:27599.6/3

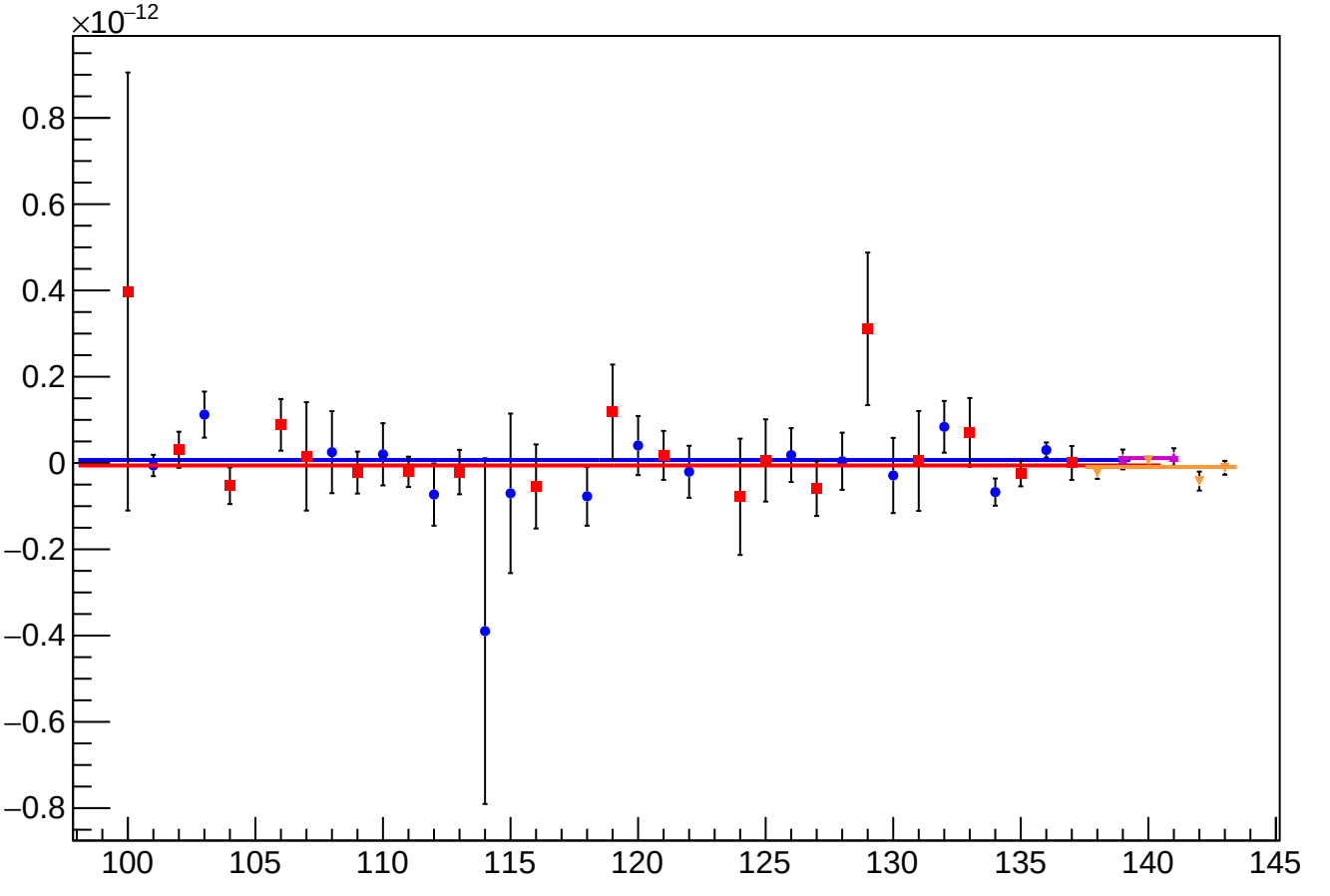
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 321.904+/-0.175 χ^2/NDF:72722.6/1

+ sign 320.073+/-0.075 χ^2/NDF: 2010348.8/19

All: 314.834+/-0.054 χ^2/NDF: 4627184.2/40

- sign 309.169+/-0.078 χ^2/NDF: 2606780.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/3

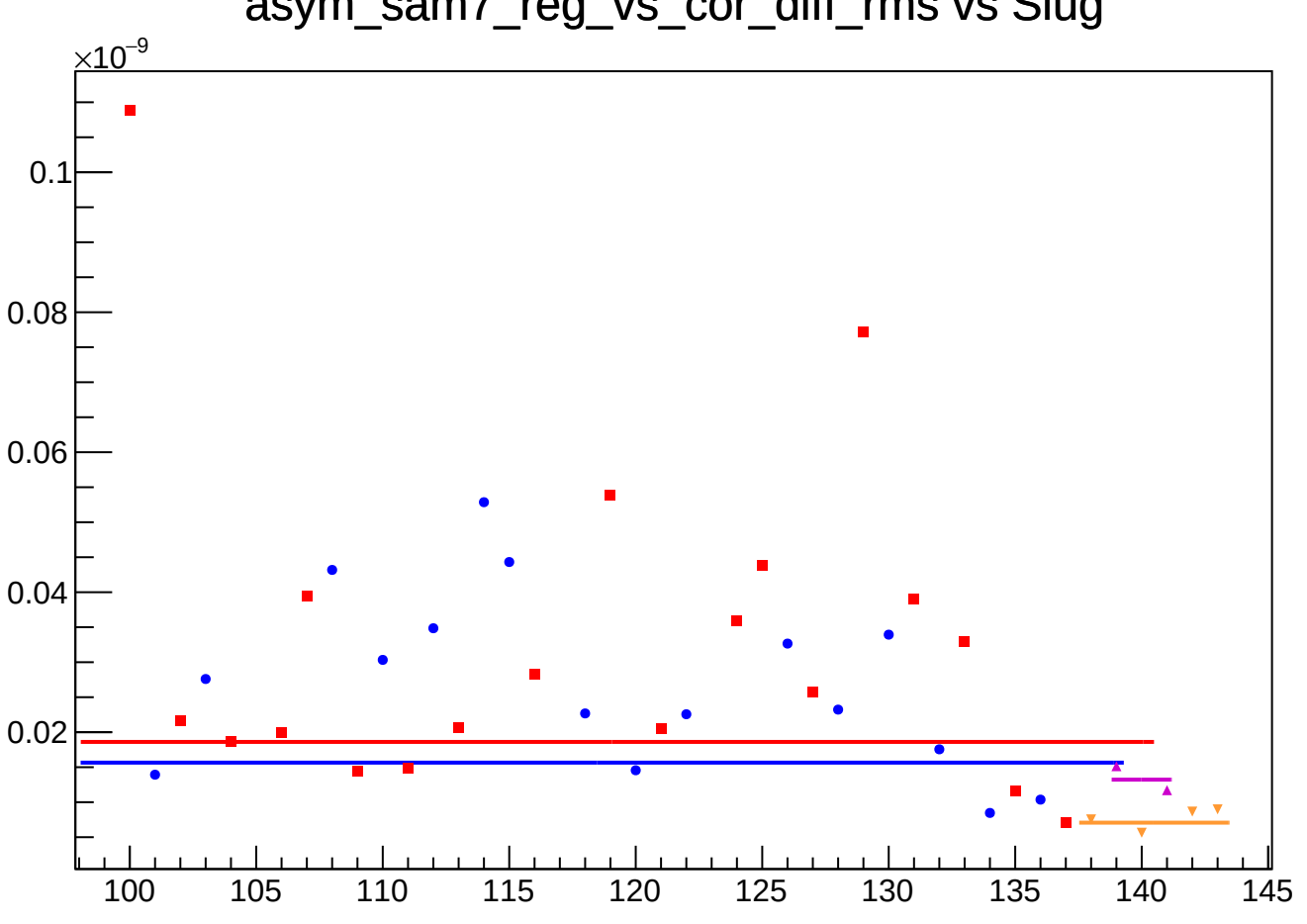
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/19

All: -0.000+/-0.000 χ^2/NDF: 38.2/40

- sign 0.000+/-0.000 χ^2/NDF: 13.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:77340.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

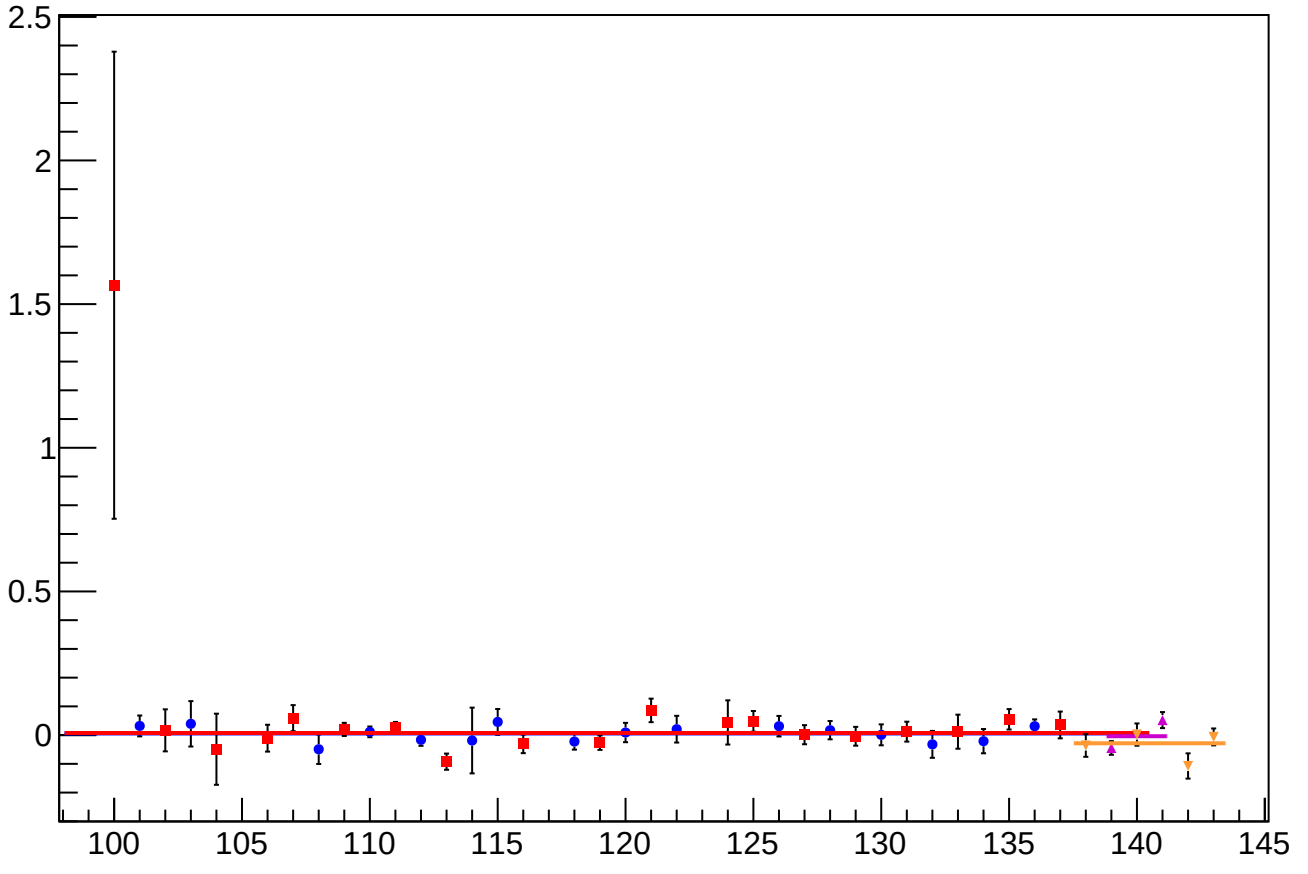
Left In: 0.000+/-0.000 χ^2/NDF:24988.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 2102751.5/19

All: 0.000+/-0.000 χ^2/NDF: 4190643.2/40

- sign 0.000+/-0.000 χ^2/NDF: 1400098.4/20

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

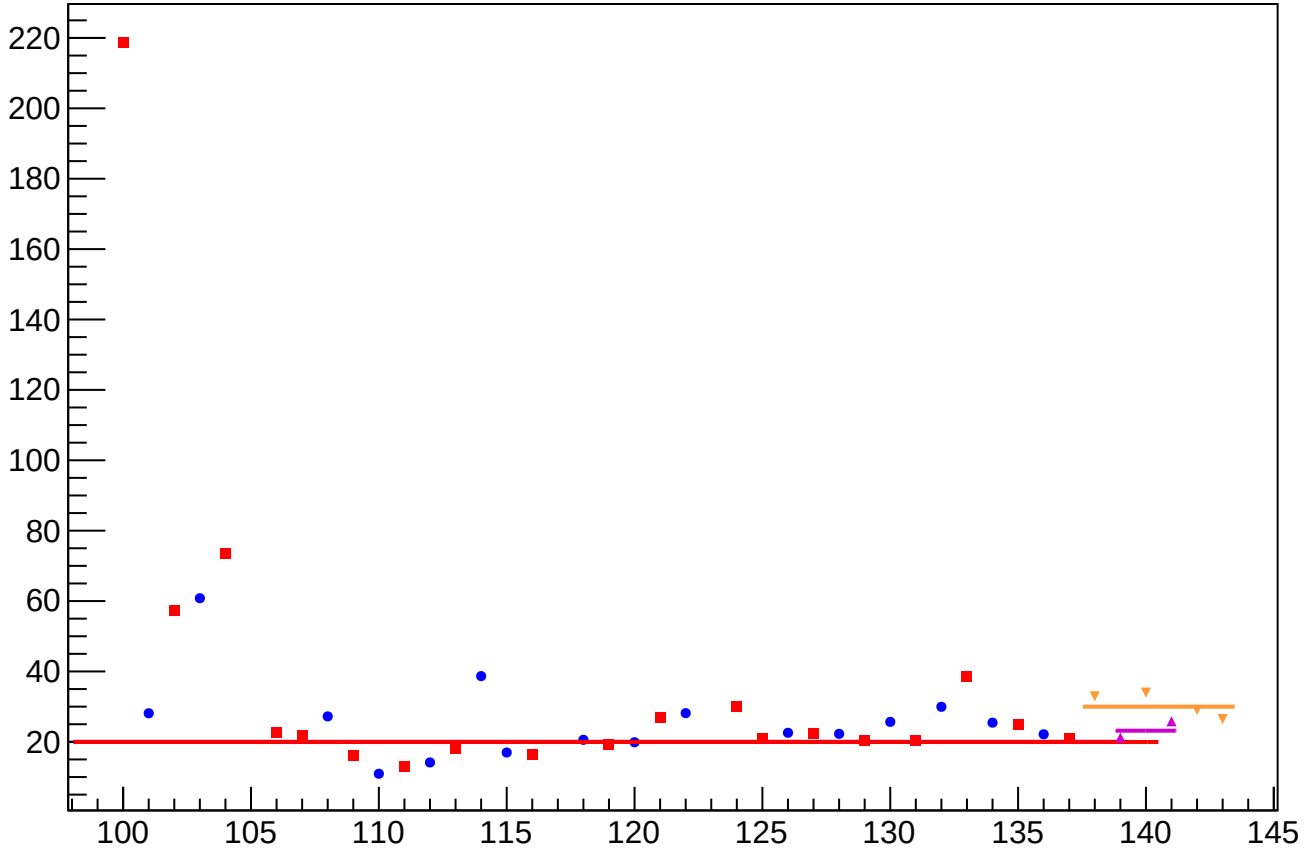
Left In: -0.004+/-0.018 χ^2/NDF:7.0/1

+ sign 0.000+/-0.007 χ^2/NDF: 15.2/19

All: 0.003+/-0.005 χ^2/NDF: 52.6/40

- sign 0.005+/-0.007 χ^2/NDF: 37.1/20

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 29.991+/-0.013 χ^2/NDF:61919.3/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

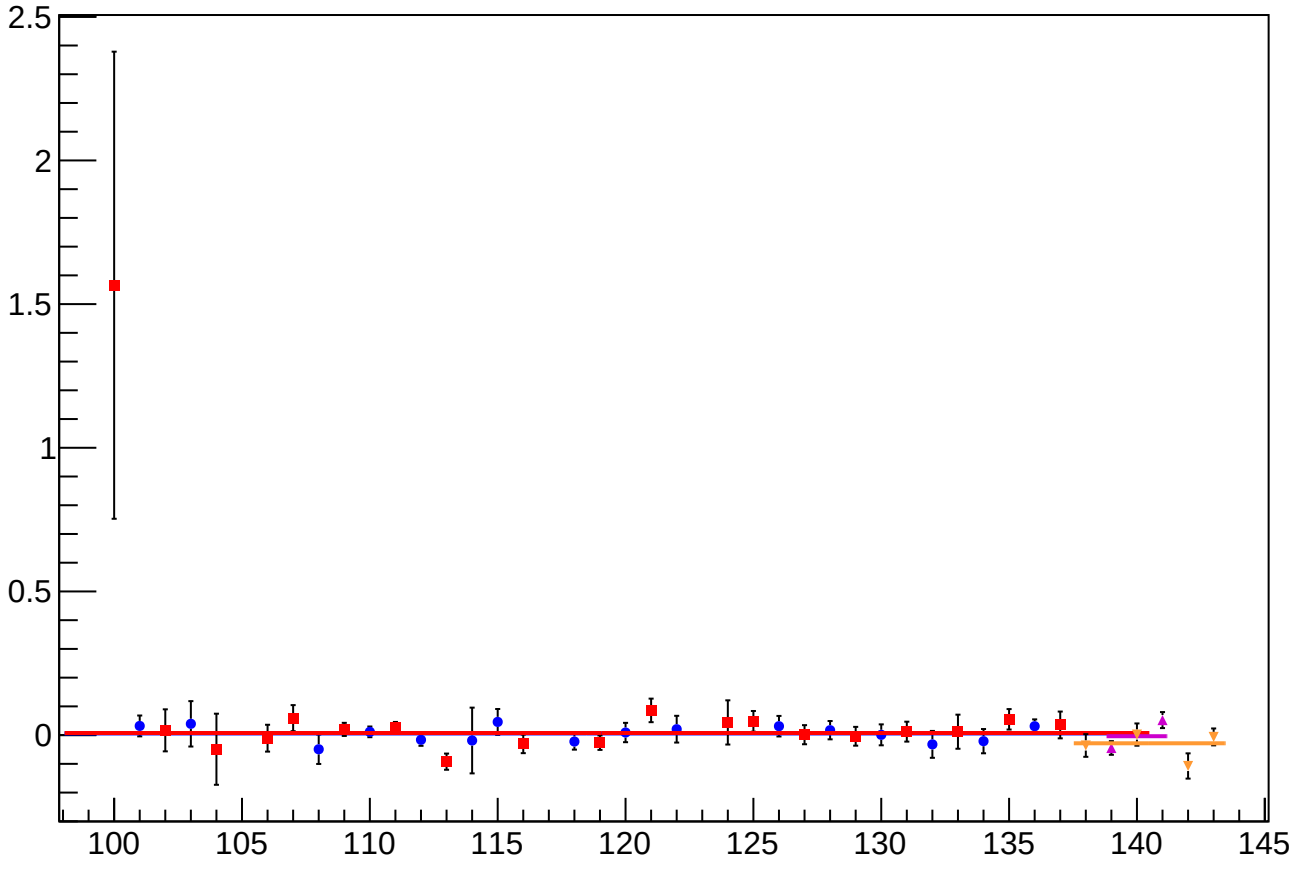
Left In: 23.167+/-0.013 χ^2/NDF:31753.1/1

+ sign 21.658+/-0.005 χ^2/NDF: 2200009.7/19

All: 21.072+/-0.004 χ^2/NDF: 4025384.1/40

- sign 20.497+/-0.005 χ^2/NDF: 1800916.5/20

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

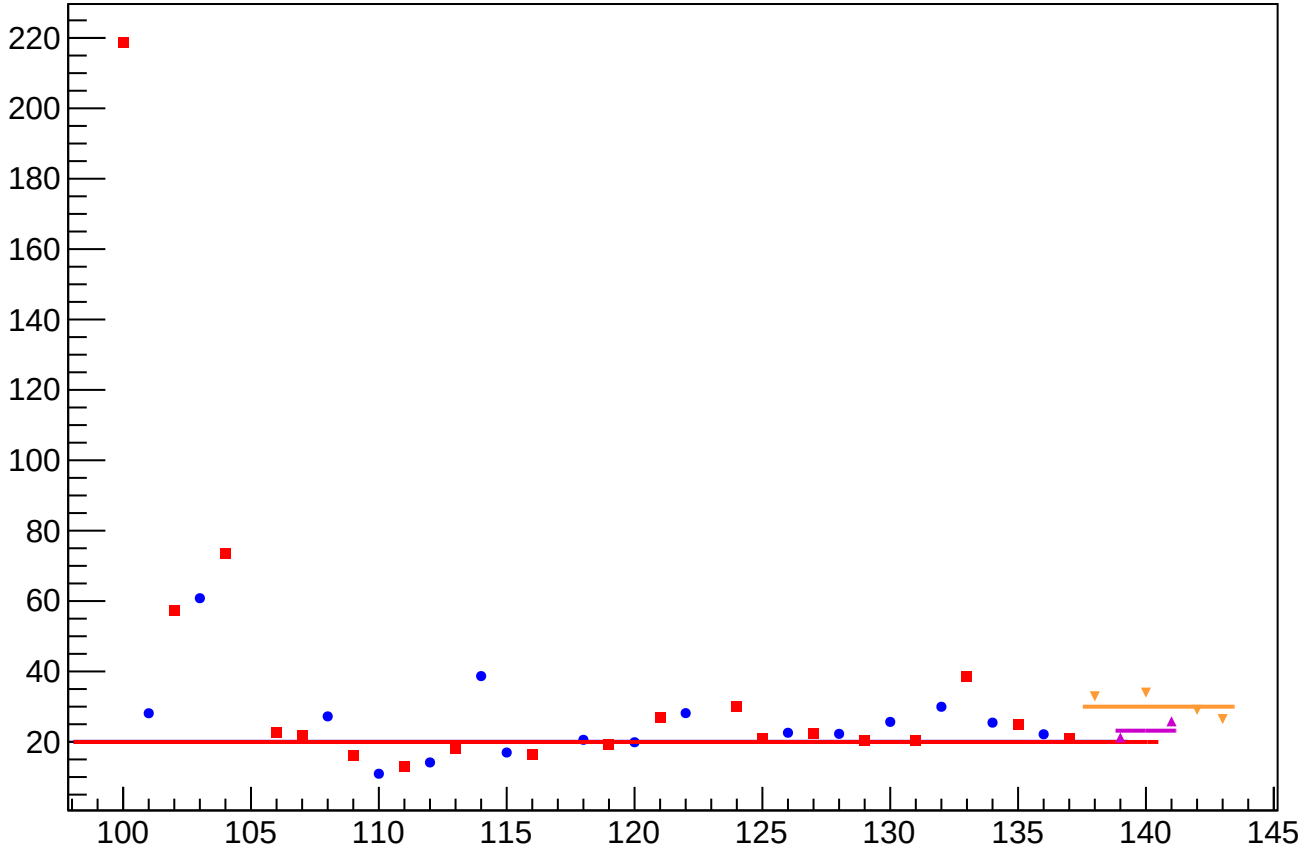
Left In: -0.004+/-0.018 χ^2/NDF:7.0/1

+ sign 0.000+/-0.007 χ^2/NDF: 15.2/19

All: 0.003+/-0.005 χ^2/NDF: 52.6/40

- sign 0.005+/-0.007 χ^2/NDF: 37.1/20

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 29.991+/-0.013 χ^2/NDF:61919.3/3

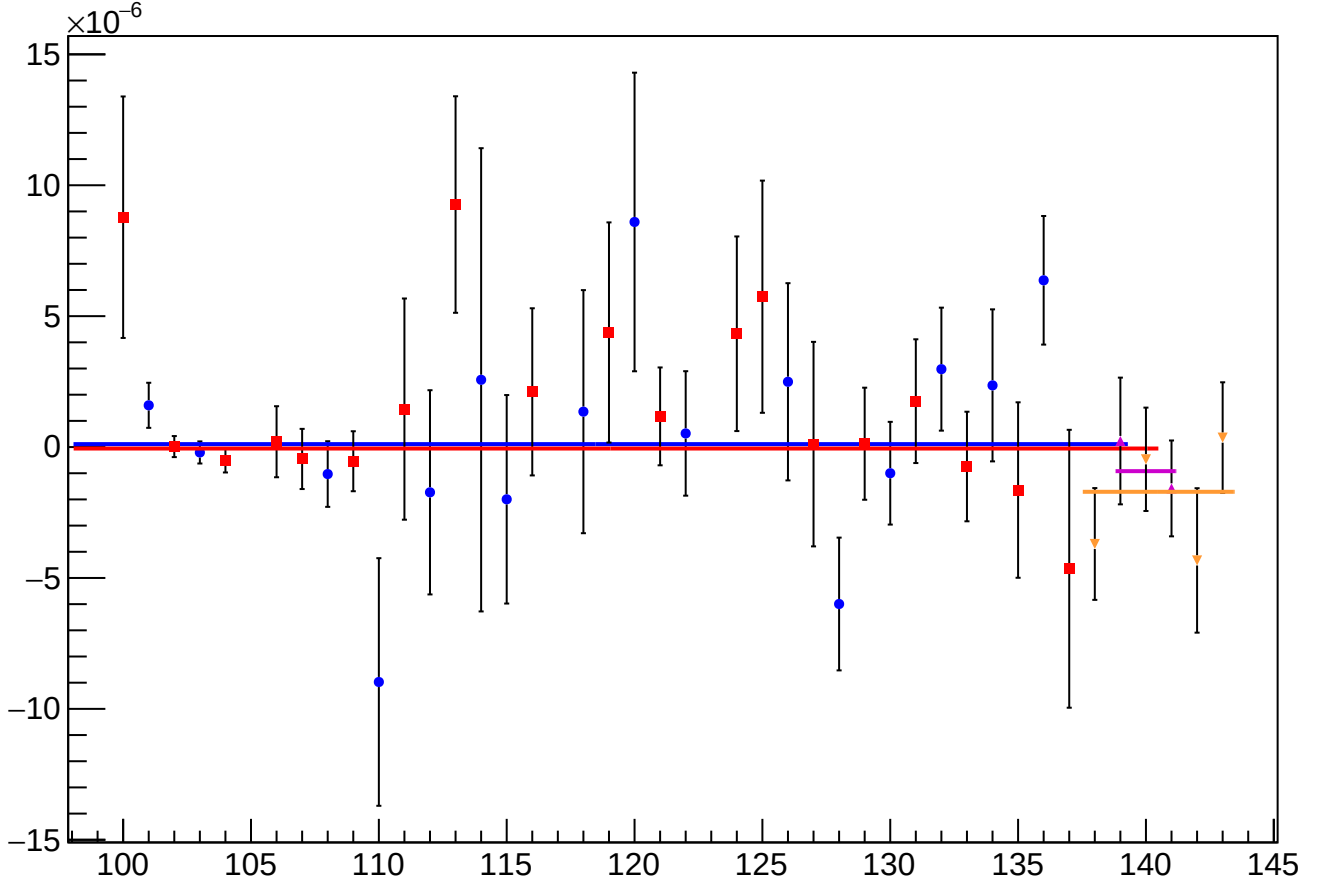
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 23.167+/-0.013 χ^2/NDF:31753.1/1

+ sign 21.658+/-0.005 χ^2/NDF: 2200009.7/19

All: 21.072+/-0.004 χ^2/NDF: 4025384.1/40

- sign 20.497+/-0.005 χ^2/NDF: 1800916.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

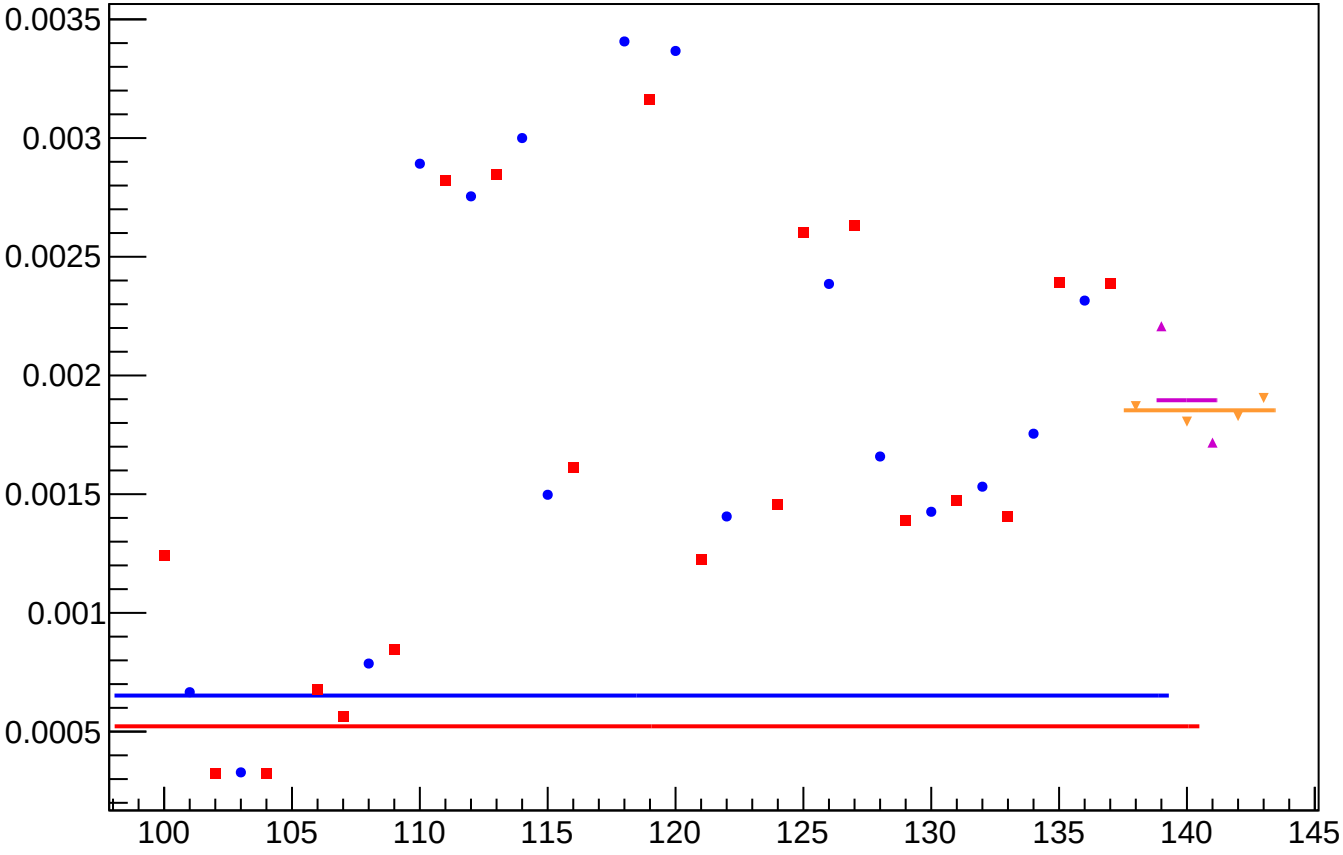
Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 31.7/19

All: -0.000+/-0.000 χ^2/NDF: 49.5/40

- sign -0.000+/-0.000 χ^2/NDF: 17.8/20

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:2667.0/3

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

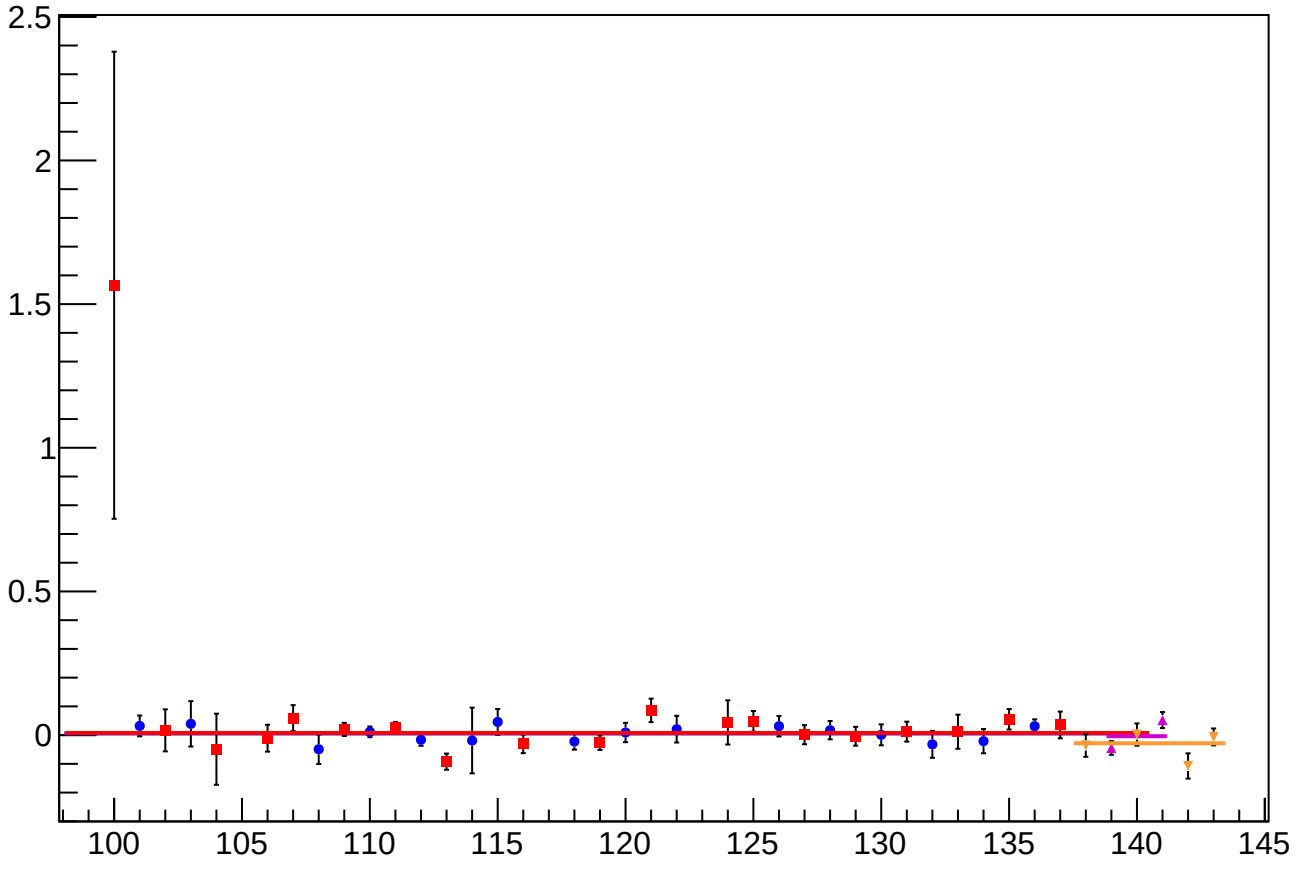
Left In: 0.002+/-0.000 χ^2/NDF:52177.3/1

+ sign 0.001+/-0.000 χ^2/NDF: 8557109.8/19

All: 0.001+/-0.000 χ^2/NDF: 17427489.5/40

- sign 0.001+/-0.000 χ^2/NDF: 8444218.4/20

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

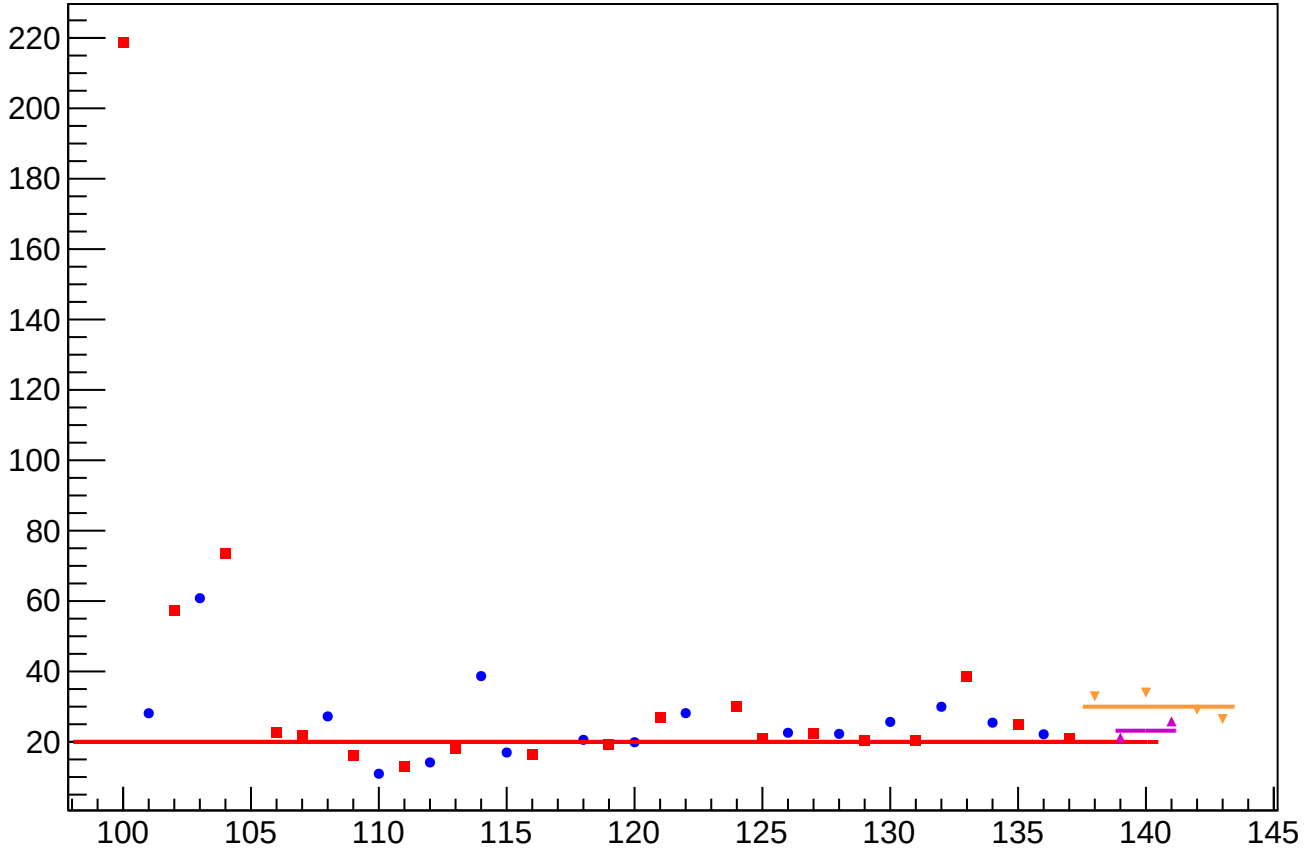
Left In: -0.004+/-0.018 χ^2/NDF:7.0/1

+ sign 0.000+/-0.007 χ^2/NDF: 15.2/19

All: 0.003+/-0.005 χ^2/NDF: 52.6/40

- sign 0.005+/-0.007 χ^2/NDF: 37.1/20

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 29.991+/-0.013 χ^2/NDF:61910.7/3

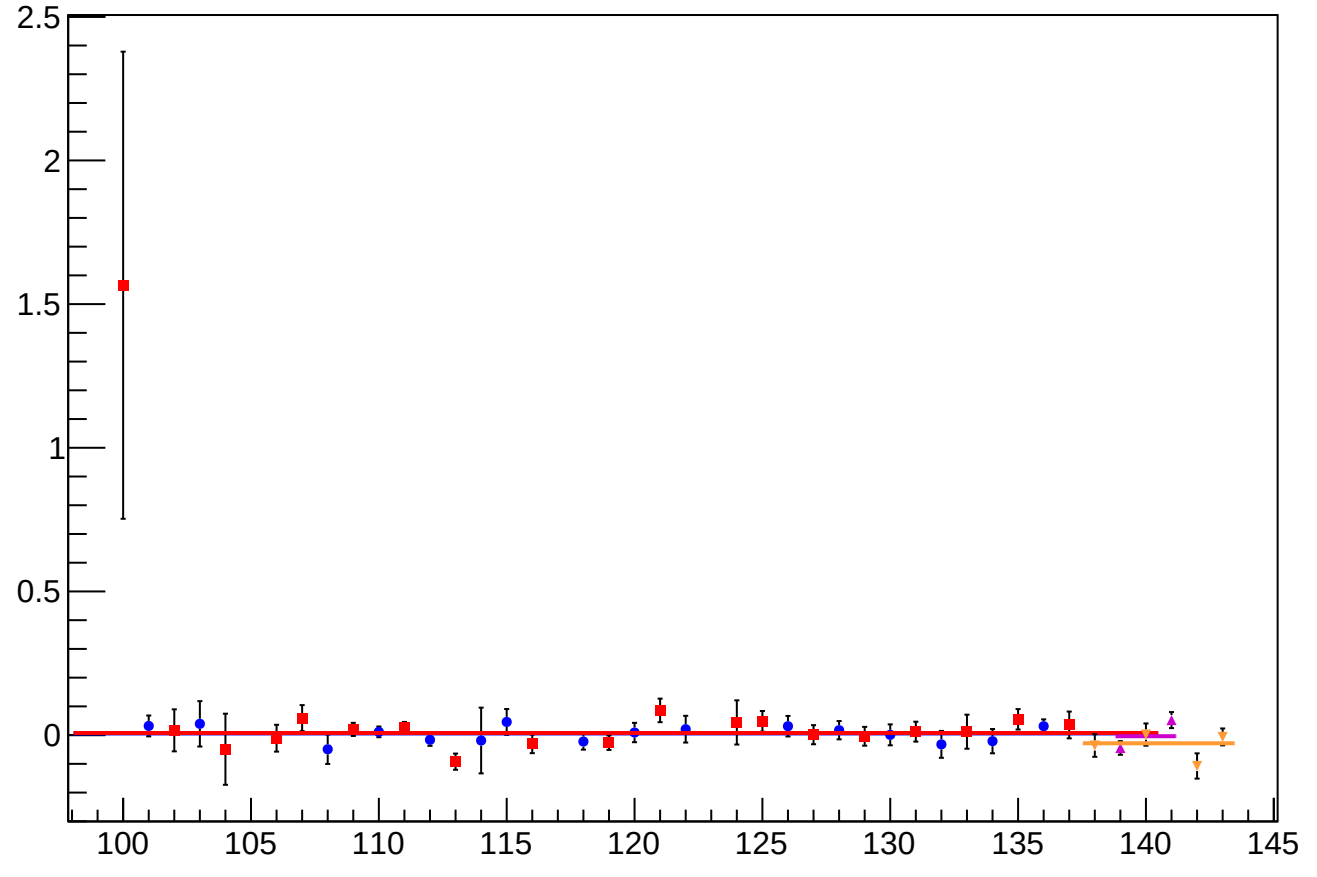
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.167+/-0.013 χ^2/NDF:31755.7/1

+ sign 21.659+/-0.005 χ^2/NDF: 2199797.8/19

All: 21.072+/-0.004 χ^2/NDF: 4025119.1/40

- sign 20.497+/-0.005 χ^2/NDF: 1800849.0/20



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

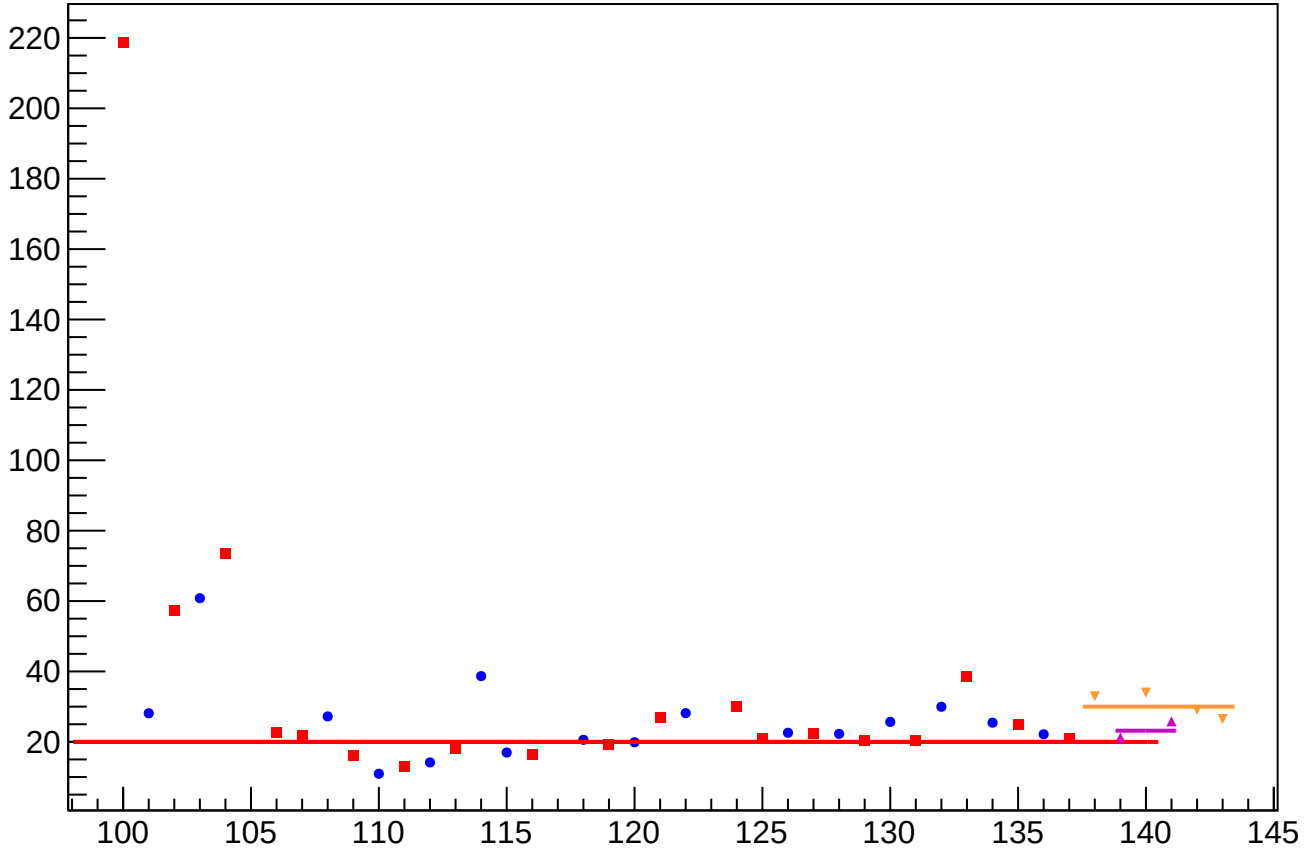
Left In: -0.004+/-0.018 χ^2/NDF:7.0/1

+ sign 0.000+/-0.007 χ^2/NDF: 15.2/19

All: 0.003+/-0.005 χ^2/NDF: 52.6/40

- sign 0.005+/-0.007 χ^2/NDF: 37.1/20

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: 29.991+/-0.013 χ^2/NDF:61910.7/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

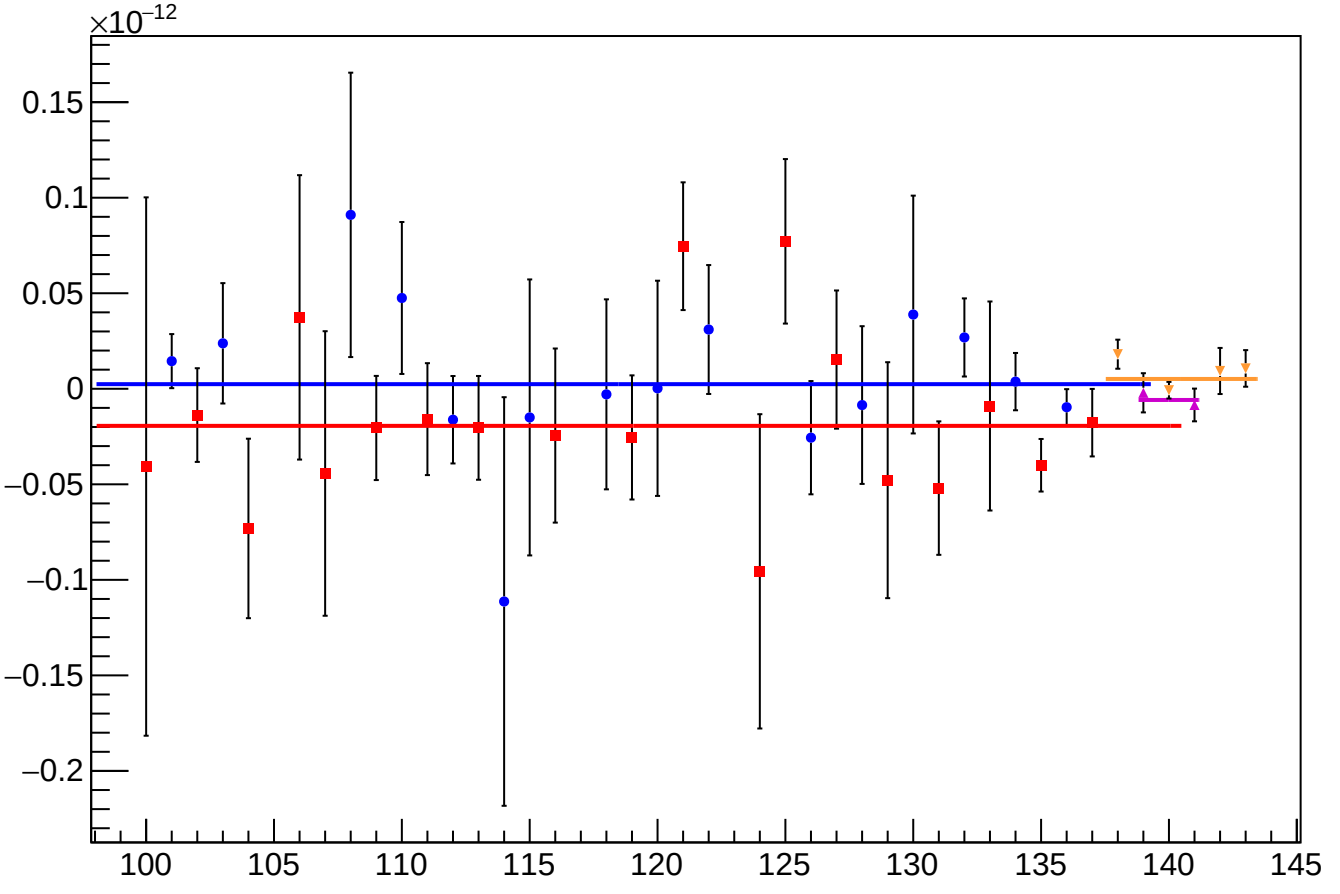
Left In: 23.167+/-0.013 χ^2/NDF:31755.7/1

+ sign 21.659+/-0.005 χ^2/NDF: 2199797.8/19

All: 21.072+/-0.004 χ^2/NDF: 4025119.1/40

- sign 20.497+/-0.005 χ^2/NDF: 1800849.0/20

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:5.2/3

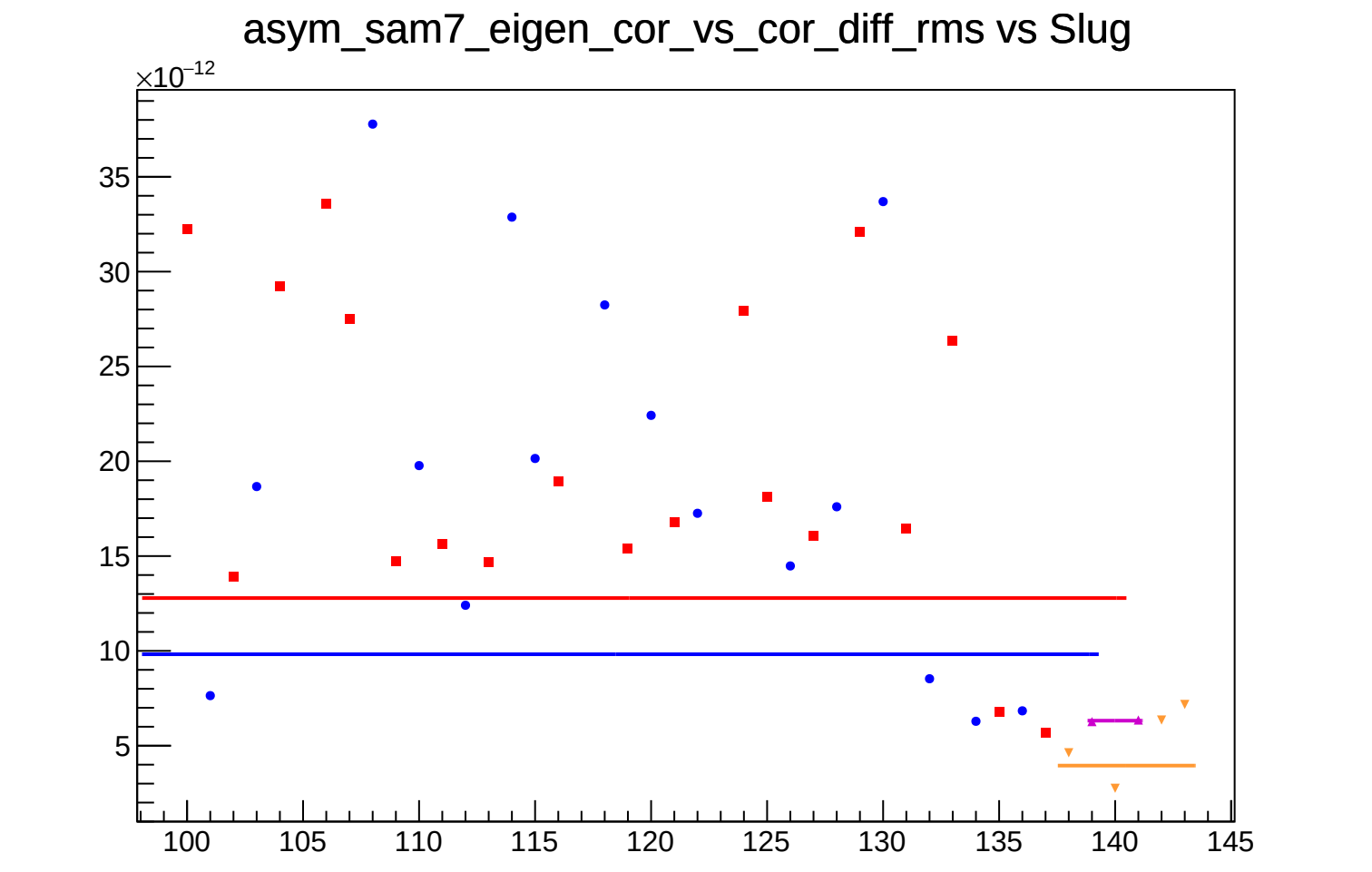
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/19

All: 0.000+/-0.000 χ^2/NDF: 47.4/40

- sign -0.000+/-0.000 χ^2/NDF: 22.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:473522.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

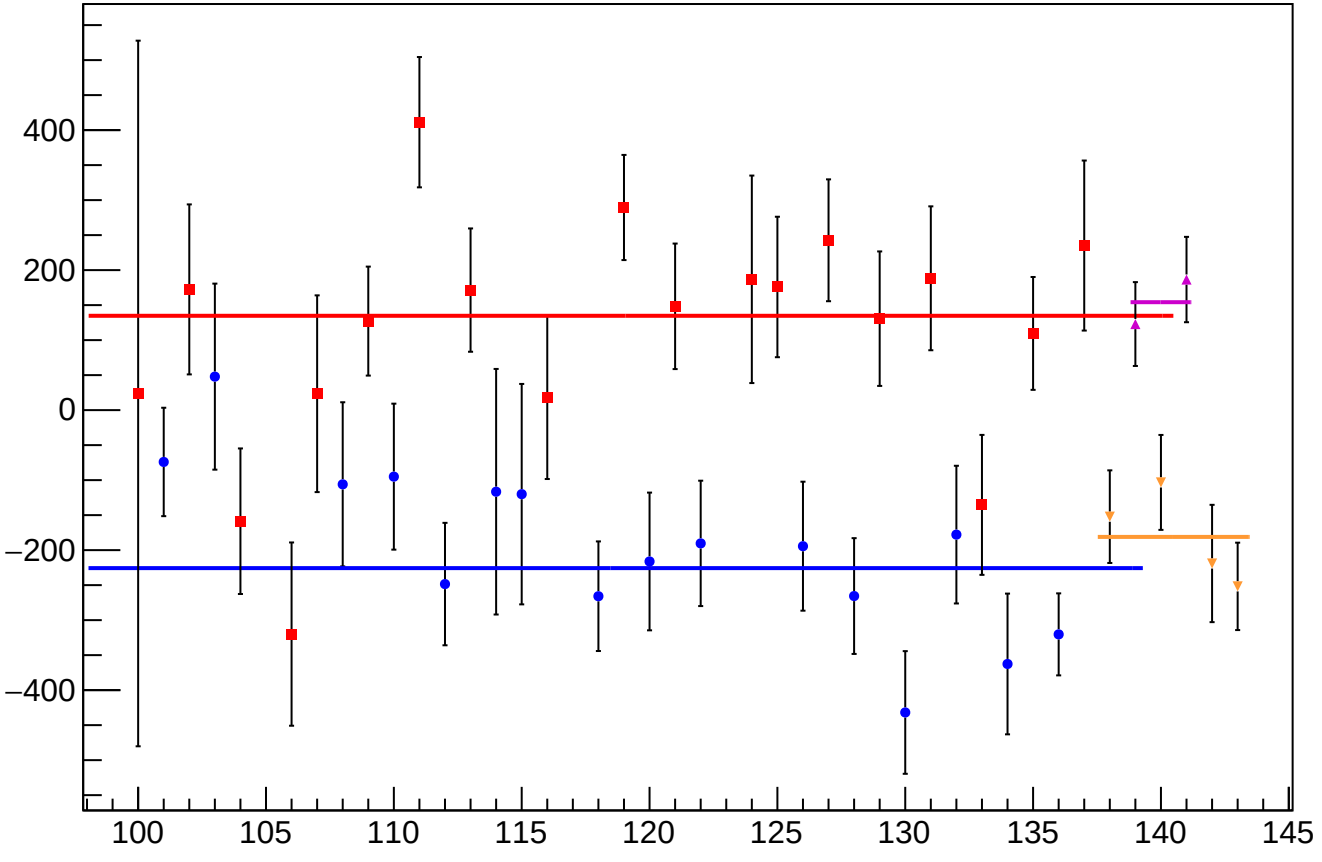
Left In: 0.000+/-0.000 χ^2/NDF:78.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 4018123.3/19

All: 0.000+/-0.000 χ^2/NDF: 7658591.4/40

- sign 0.000+/-0.000 χ^2/NDF: 2697752.4/20

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.107+/-34.399 χ^2/NDF:3.0/3

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

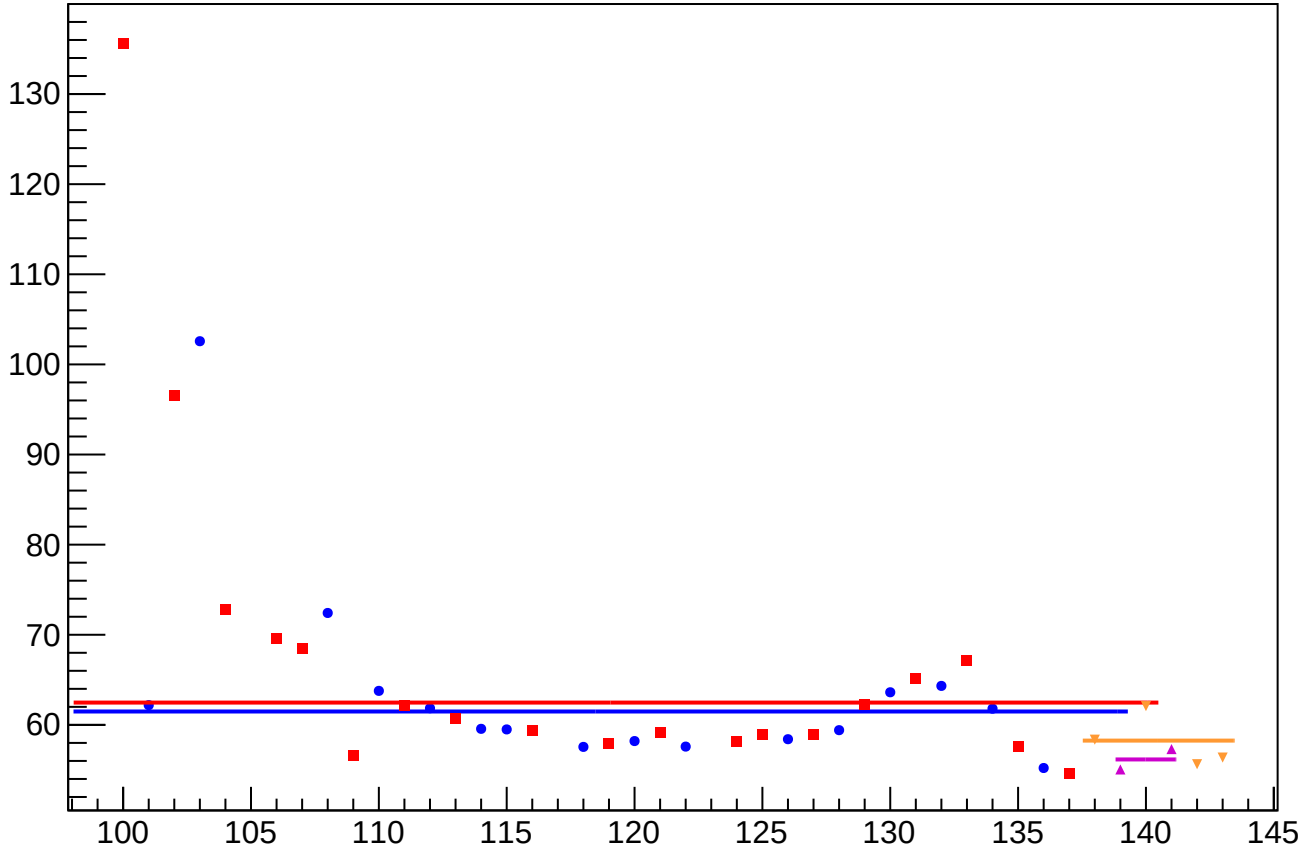
Left In: 154.183+/-42.727 χ^2/NDF:0.6/1

\+ sign -211.819+/-19.188 χ^2/NDF: 26.8/19

All: -46.909+/-13.971 χ^2/NDF: 229.9/40

\- sign 139.182+/-20.383 χ^2/NDF: 46.0/20

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

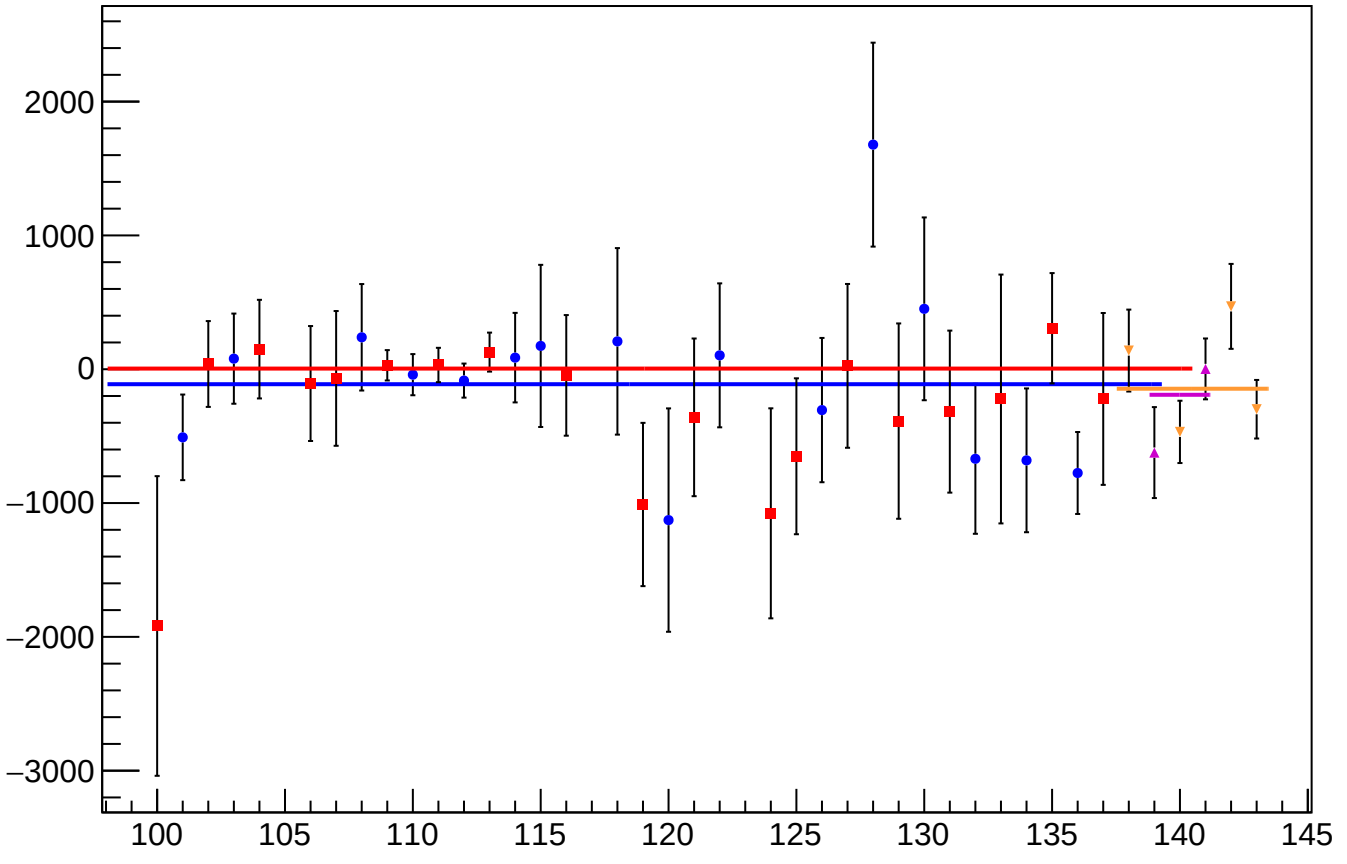
Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

+ sign 60.481+/-0.014 χ^2/NDF: 272967.3/19

All: 60.743+/-0.010 χ^2/NDF: 590010.7/40

- sign 61.040+/-0.014 χ^2/NDF: 316246.7/20



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -145.669+/-129.171 χ^2/NDF:7.0/3

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

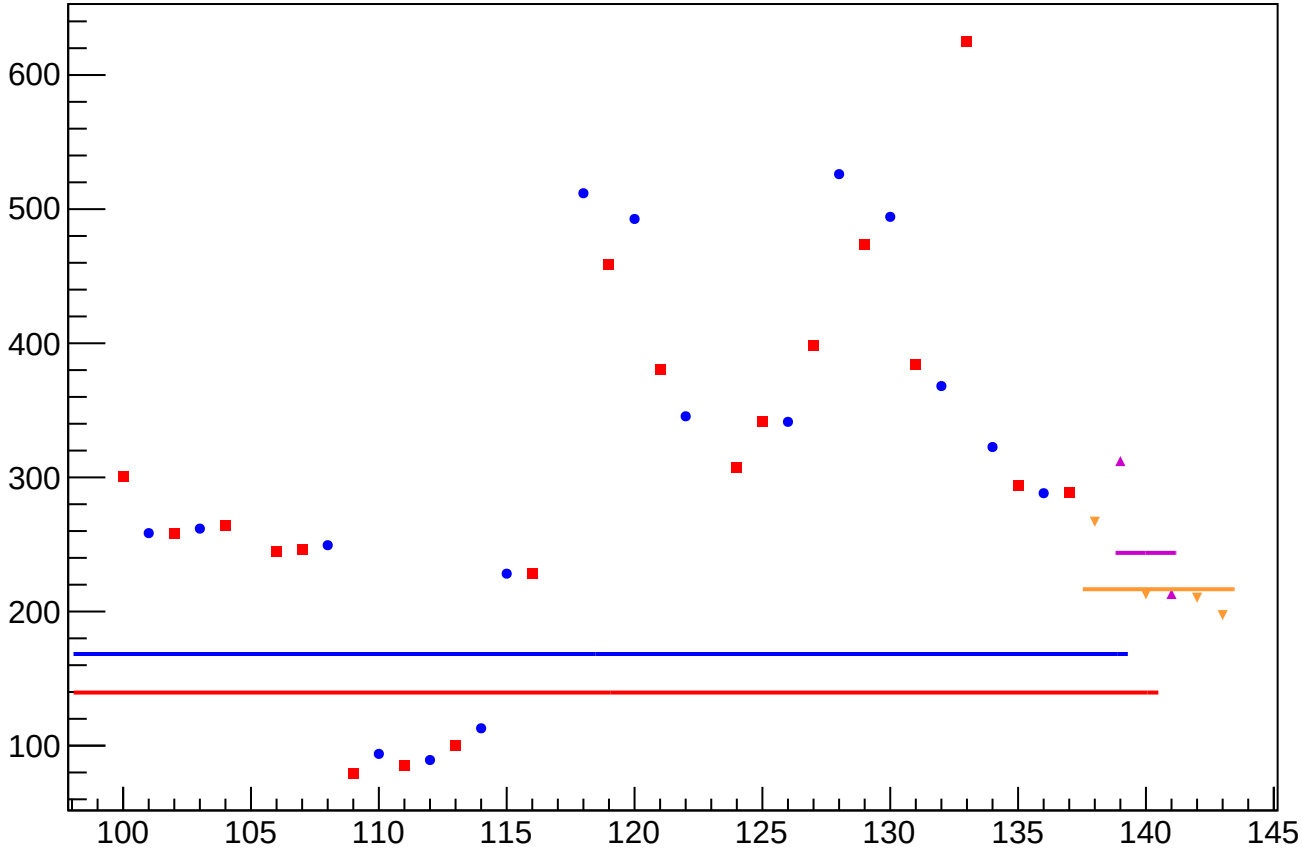
Left In: -190.958+/-188.997 χ^2/NDF:2.3/1

+ sign -120.608+/-65.639 χ^2/NDF: 25.5/19

All: -63.679+/-44.510 χ^2/NDF: 41.9/40

- sign -15.217+/-60.561 χ^2/NDF: 14.9/20

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70974.2/3

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

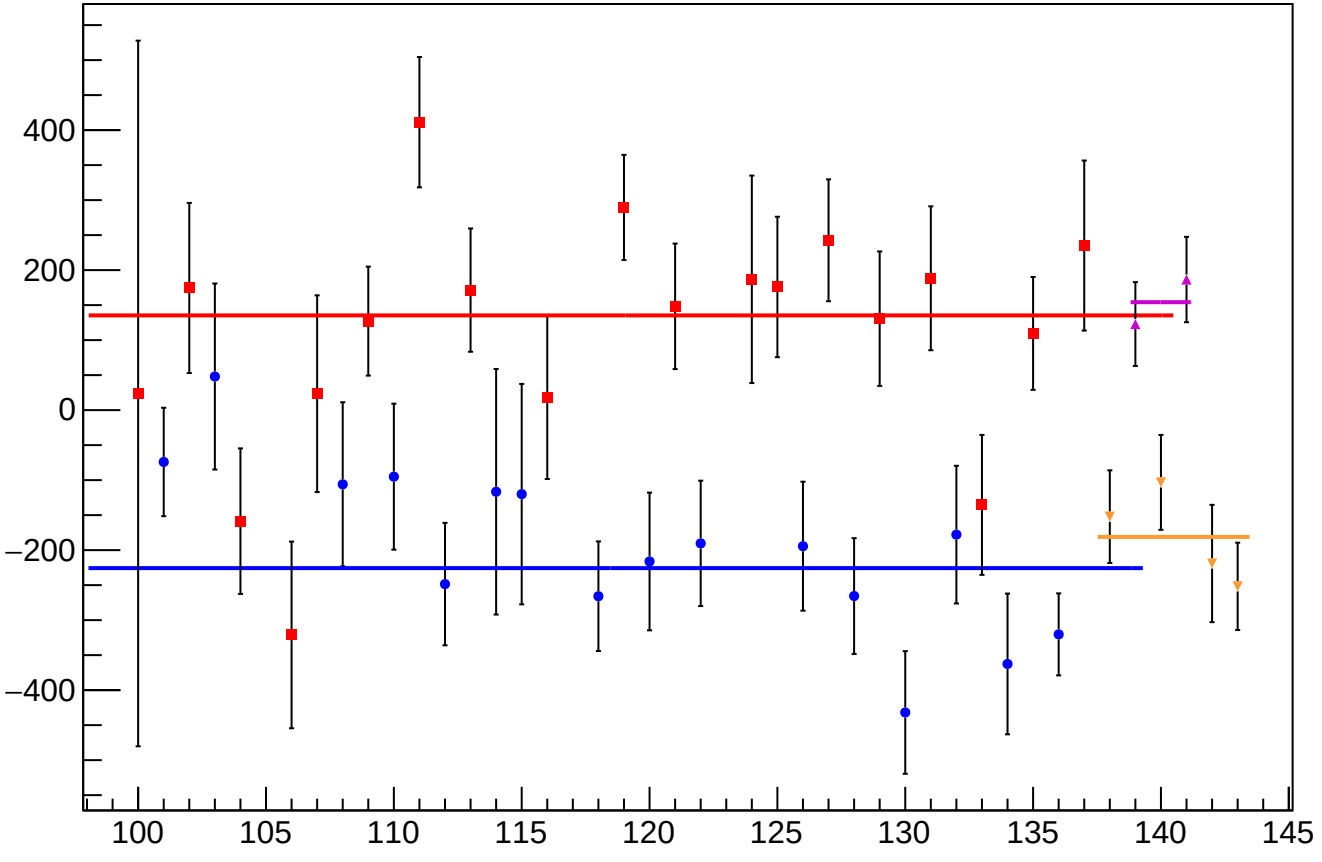
Left In: 243.728+/-0.134 χ^2/NDF:117467.4/1

+ sign 180.803+/-0.046 χ^2/NDF: 4822487.5/19

All: 164.319+/-0.031 χ^2/NDF: 10872451.8/40

- sign 150.286+/-0.043 χ^2/NDF: 5816449.5/20

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.102+/-34.399 χ^2/NDF:3.0/3

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

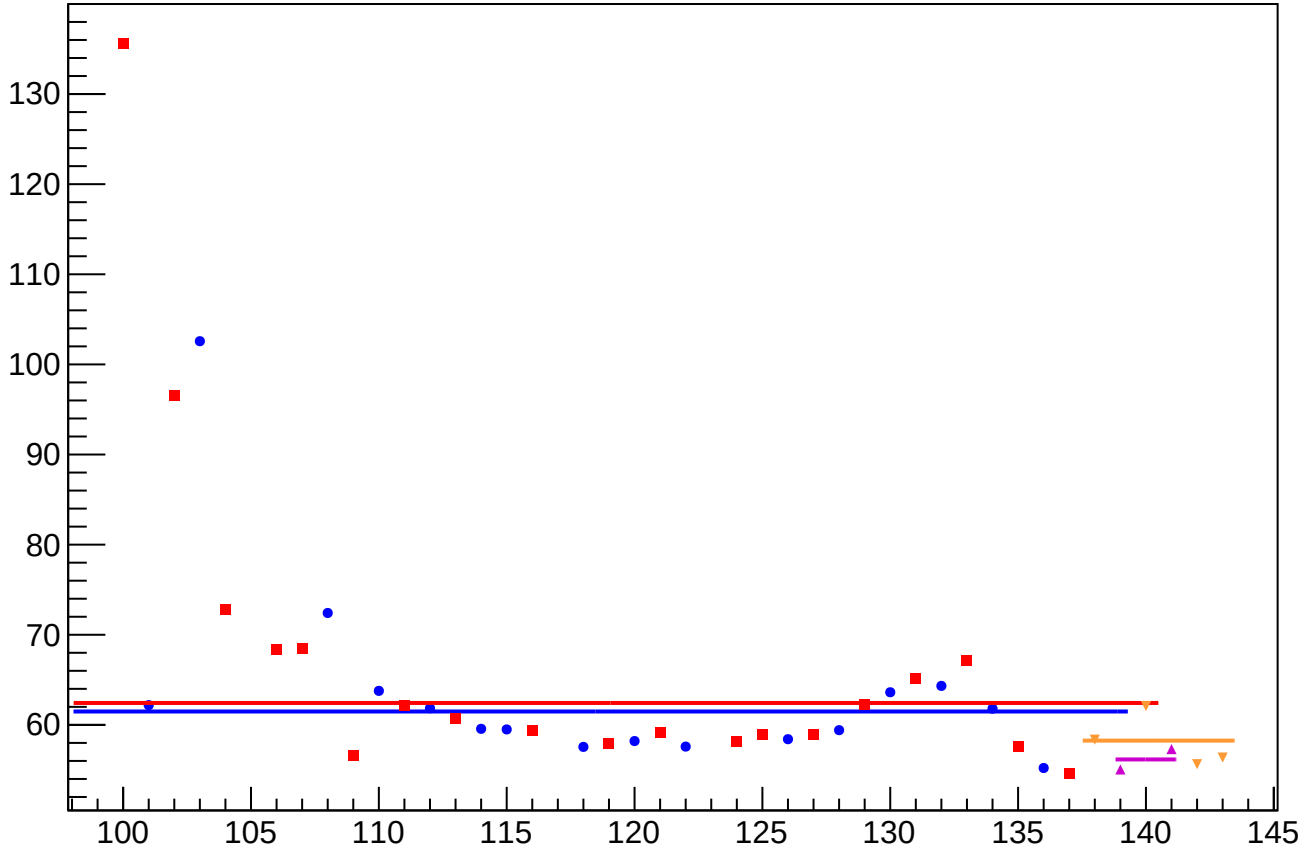
Left In: 154.185+/-42.727 χ^2/NDF:0.6/1

\+ sign -211.818+/-19.188 χ^2/NDF: 26.8/19

All: -46.785+/-13.974 χ^2/NDF: 229.9/40

\- sign 139.610+/-20.392 χ^2/NDF: 45.6/20

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

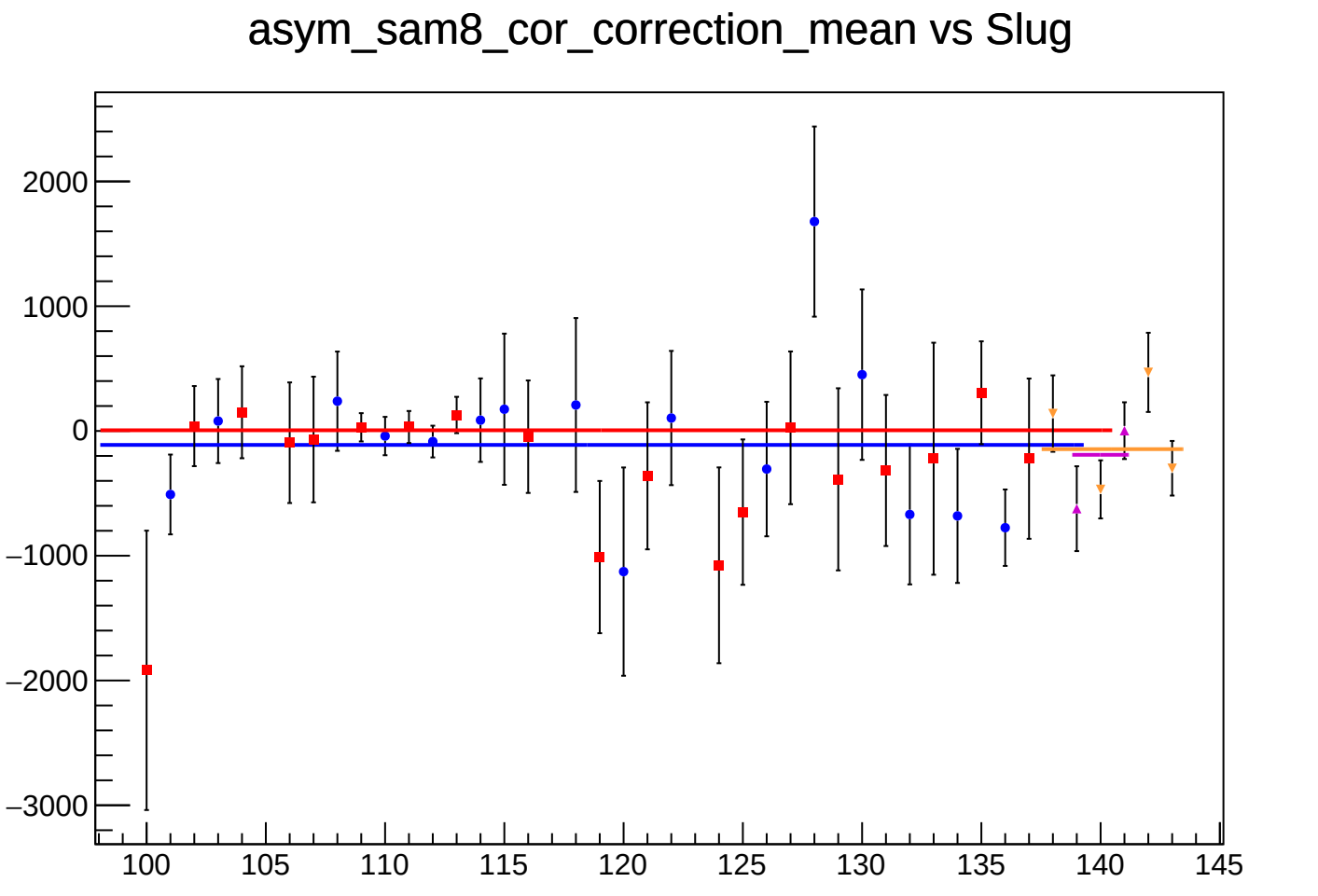
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

+ sign 60.481+/-0.014 χ^2/NDF: 272969.9/19

All: 60.727+/-0.010 χ^2/NDF: 587710.7/40

- sign 61.005+/-0.014 χ^2/NDF: 314039.9/20



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -145.666+/-129.171 χ^2/NDF:7.0/3

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

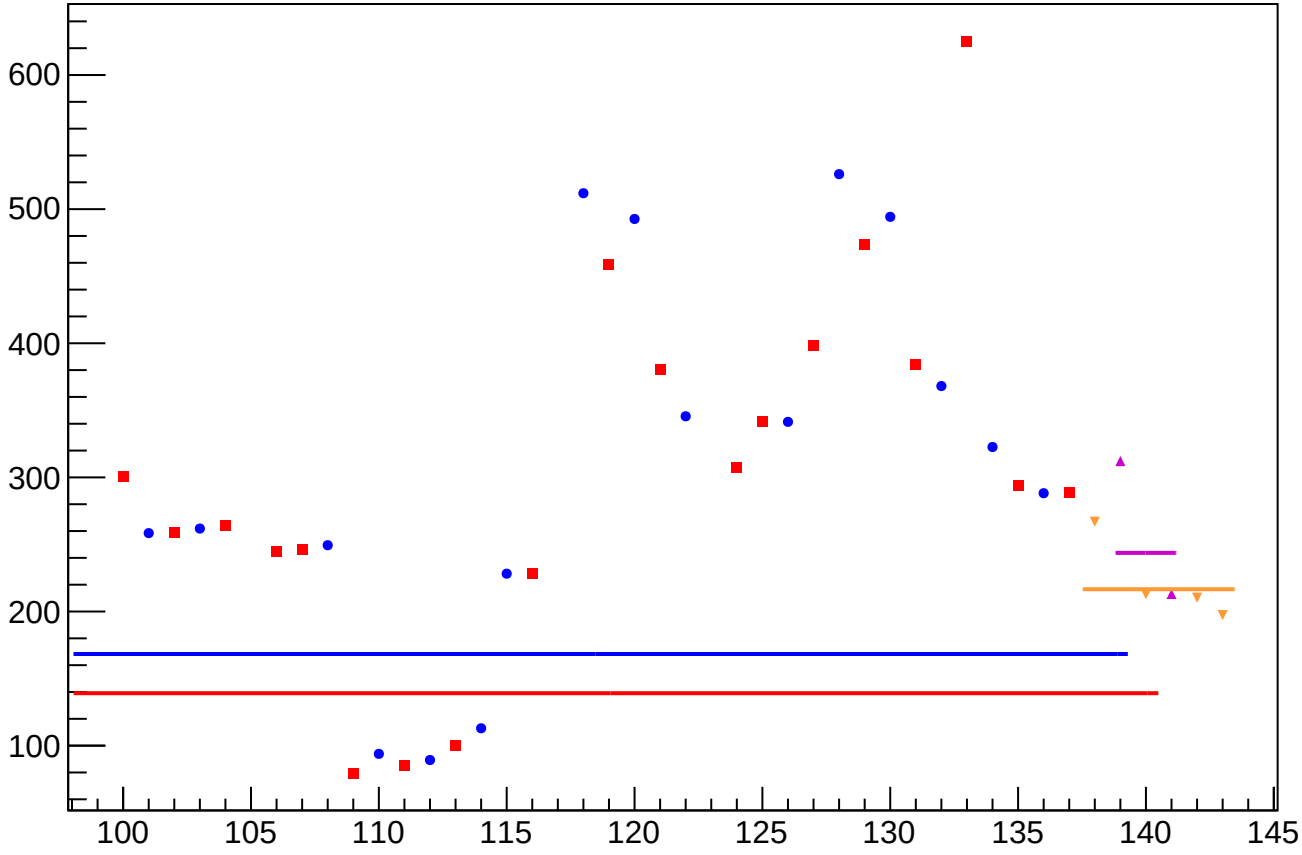
Left In: -190.950+/-188.997 χ^2/NDF:2.3/1

+ sign -120.594+/-65.639 χ^2/NDF: 25.5/19

All: -63.480+/-44.562 χ^2/NDF: 41.9/40

- sign -14.654+/-60.691 χ^2/NDF: 14.9/20

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70972.9/3

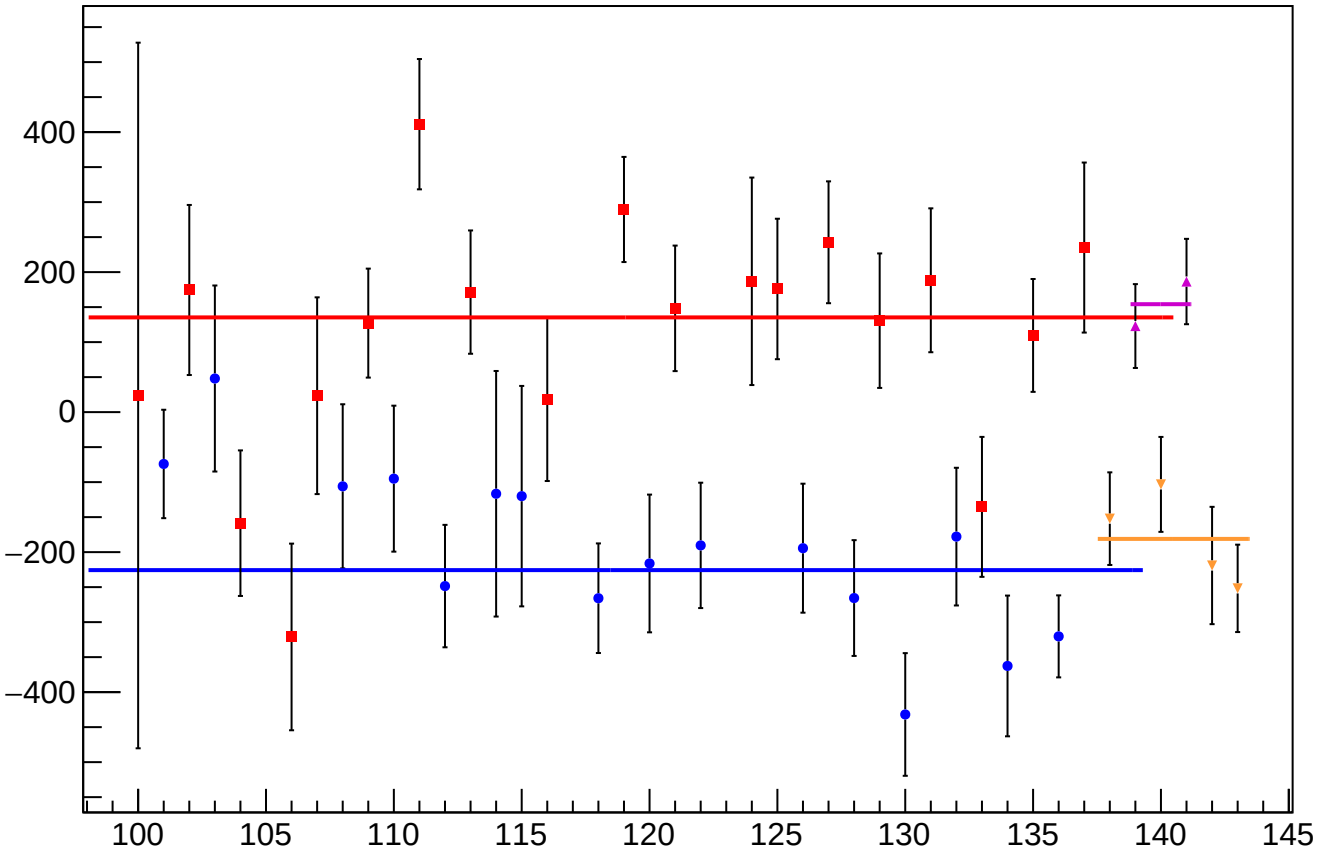
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 243.728+/-0.134 χ^2/NDF:117467.1/1

+ sign 180.803+/-0.046 χ^2/NDF: 4822535.2/19

All: 164.139+/-0.032 χ^2/NDF: 10858798.5/40

- sign 149.893+/-0.043 χ^2/NDF: 5797167.1/20



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.102+/-34.399 χ^2/NDF:3.0/3

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

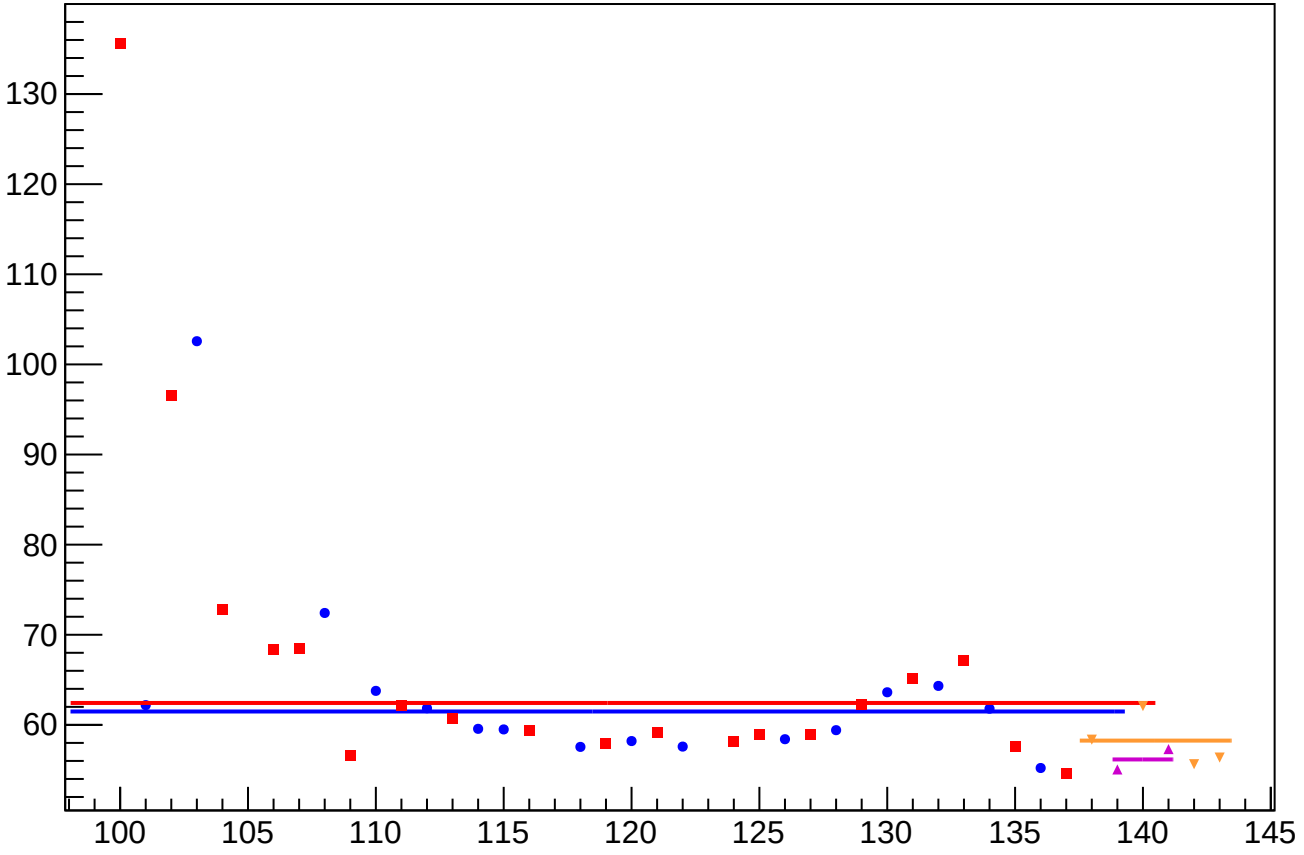
Left In: 154.185+/-42.727 χ^2/NDF:0.6/1

+ sign -211.818+/-19.188 χ^2/NDF: 26.8/19

All: -46.785+/-13.974 χ^2/NDF: 229.9/40

- sign 139.610+/-20.392 χ^2/NDF: 45.6/20

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

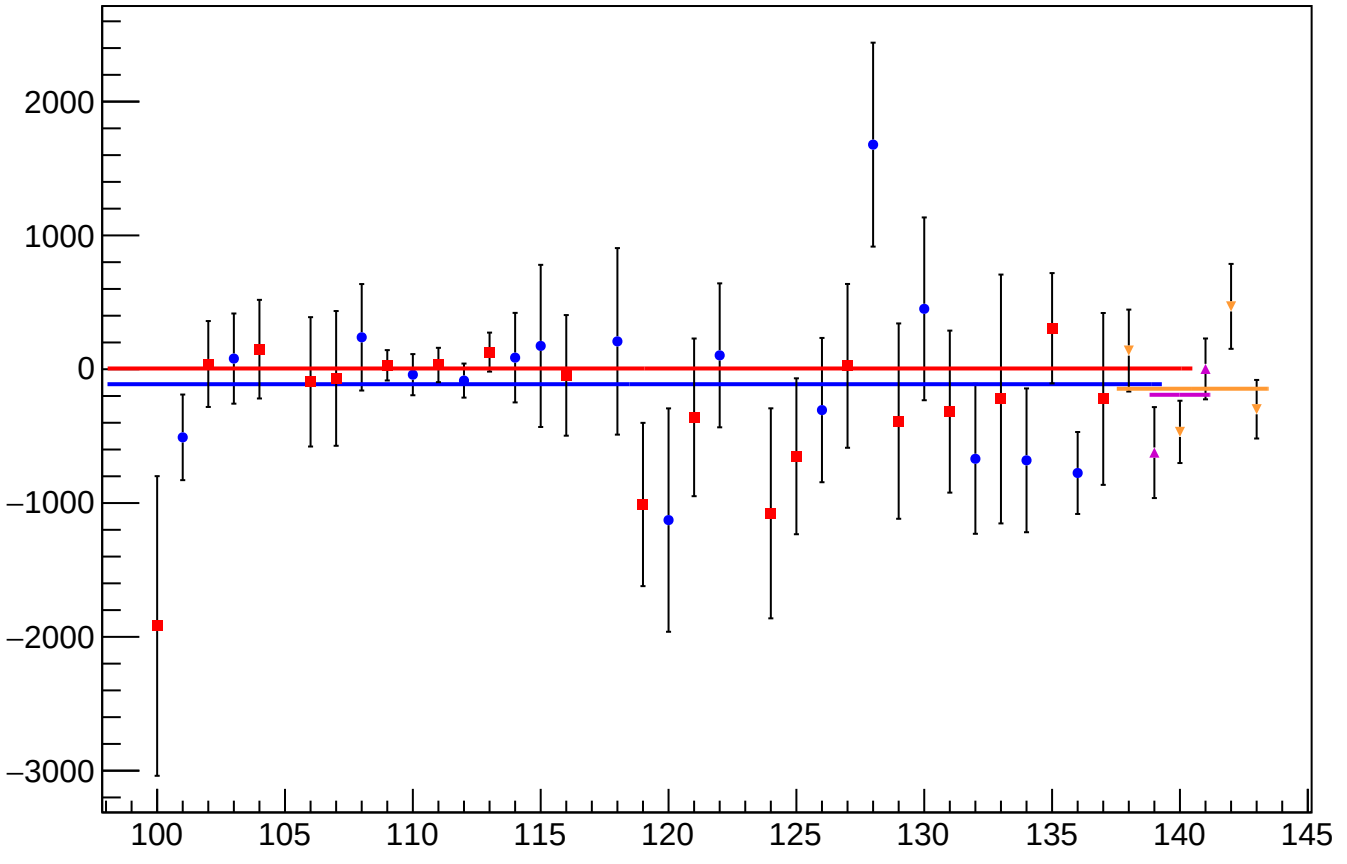
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

+ sign 60.481+/-0.014 χ^2/NDF: 272969.9/19

All: 60.727+/-0.010 χ^2/NDF: 587710.7/40

- sign 61.005+/-0.014 χ^2/NDF: 314039.9/20



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -145.666+/-129.171 χ^2/NDF:7.0/3

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

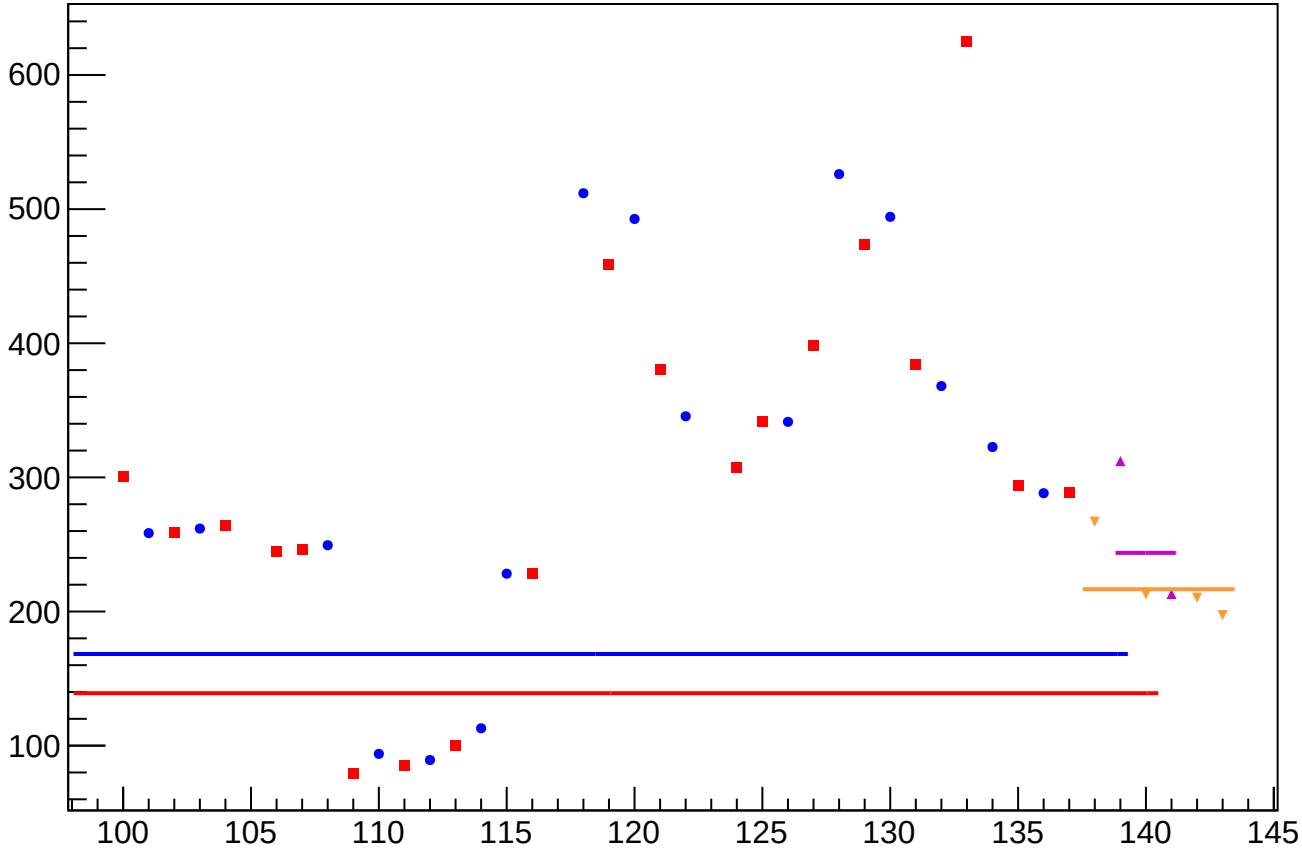
Left In: -190.950+/-188.997 χ^2/NDF:2.3/1

+ sign -120.594+/-65.639 χ^2/NDF: 25.5/19

All: -63.480+/-44.562 χ^2/NDF: 41.9/40

- sign -14.654+/-60.691 χ^2/NDF: 14.9/20

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70972.9/3

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

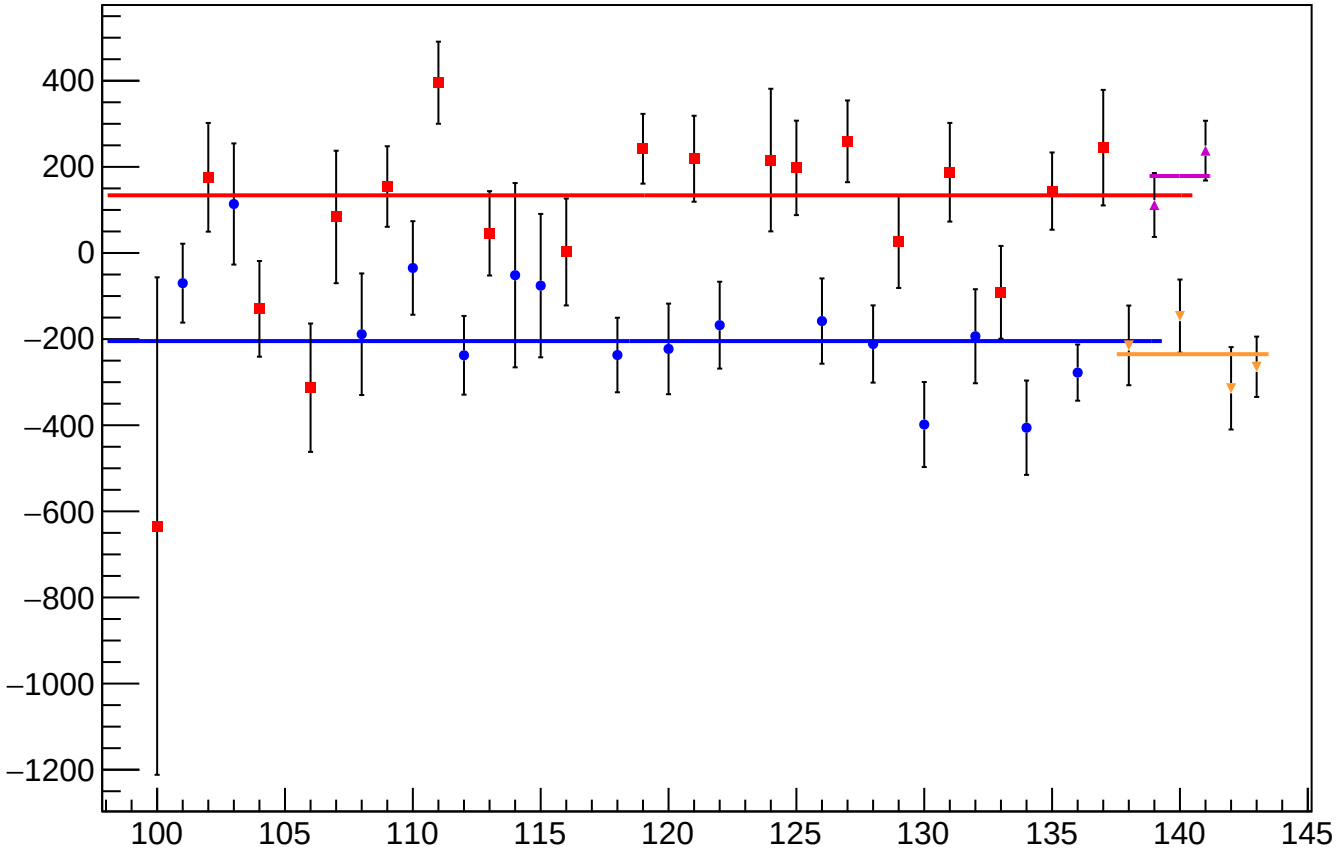
Left In: 243.728+/-0.134 χ^2/NDF:117467.1/1

+ sign 180.803+/-0.046 χ^2/NDF: 4822535.2/19

All: 164.139+/-0.032 χ^2/NDF: 10858798.5/40

- sign 149.893+/-0.043 χ^2/NDF: 5797167.1/20

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -234.964+/-41.944 χ^2/NDF:2.0/3

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

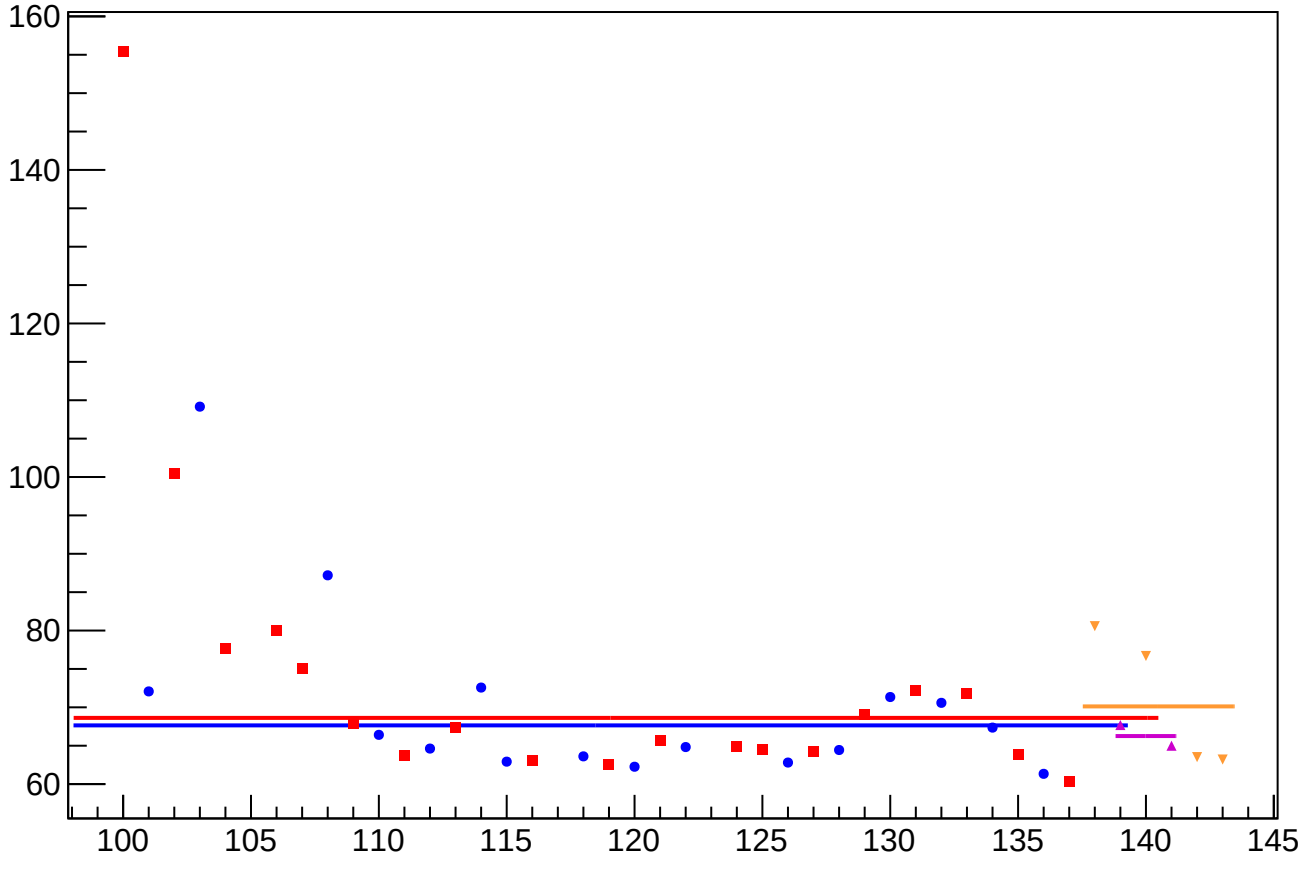
Left In: 178.771+/-50.676 χ^2/NDF:1.5/1

+ sign -212.789+/-21.804 χ^2/NDF: 22.4/19

All: -42.590+/-15.747 χ^2/NDF: 189.1/40

- sign 142.976+/-22.767 χ^2/NDF: 39.4/20

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 70.120+/-0.030 χ^2/NDF:66511.3/3

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

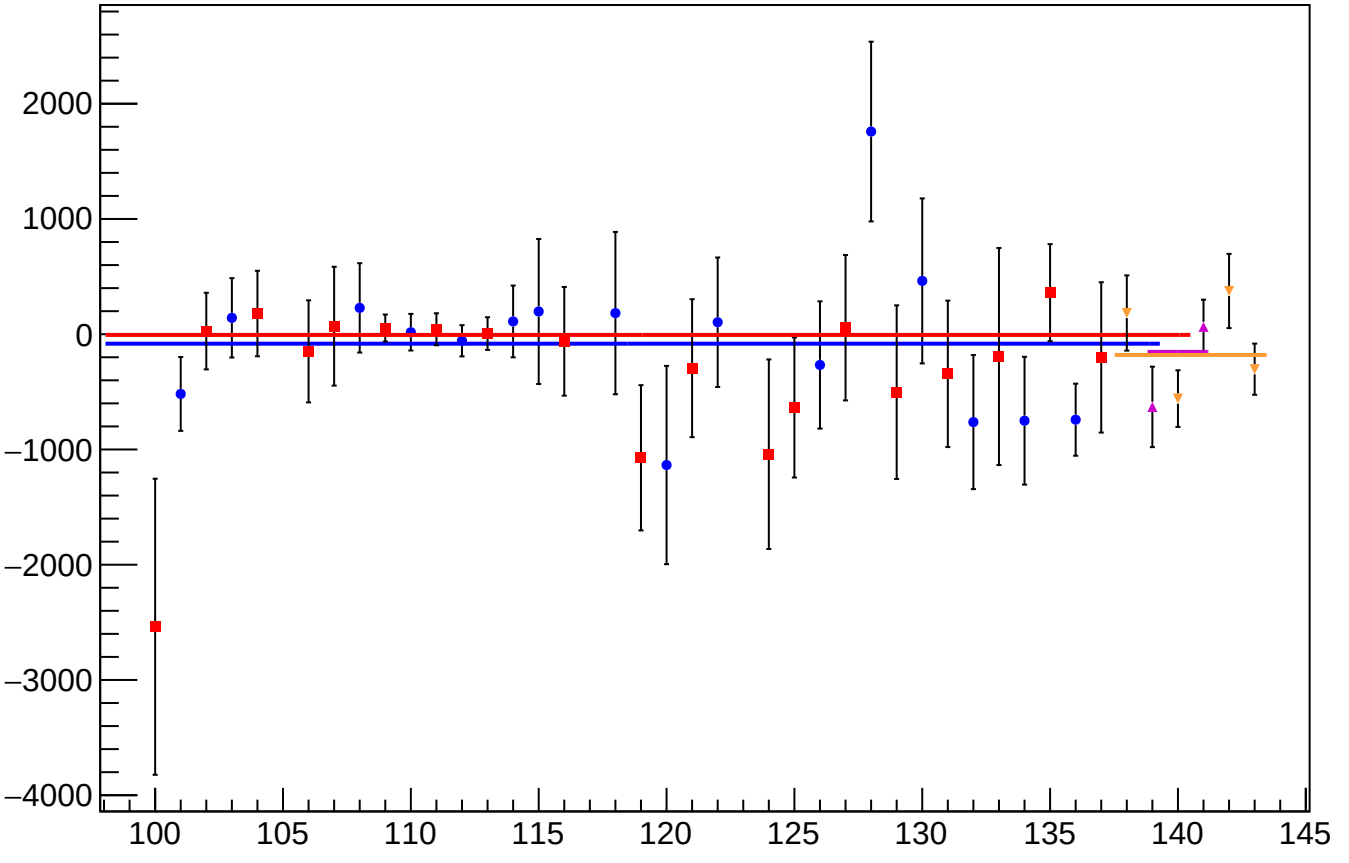
Left In: 66.258+/-0.036 χ^2/NDF:1408.6/1

+ sign 68.315+/-0.015 χ^2/NDF: 335251.3/19

All: 68.235+/-0.011 χ^2/NDF: 588362.4/40

- sign 68.146+/-0.016 χ^2/NDF: 253053.6/20

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -180.012+/-133.787 χ^2/NDF:6.9/3

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

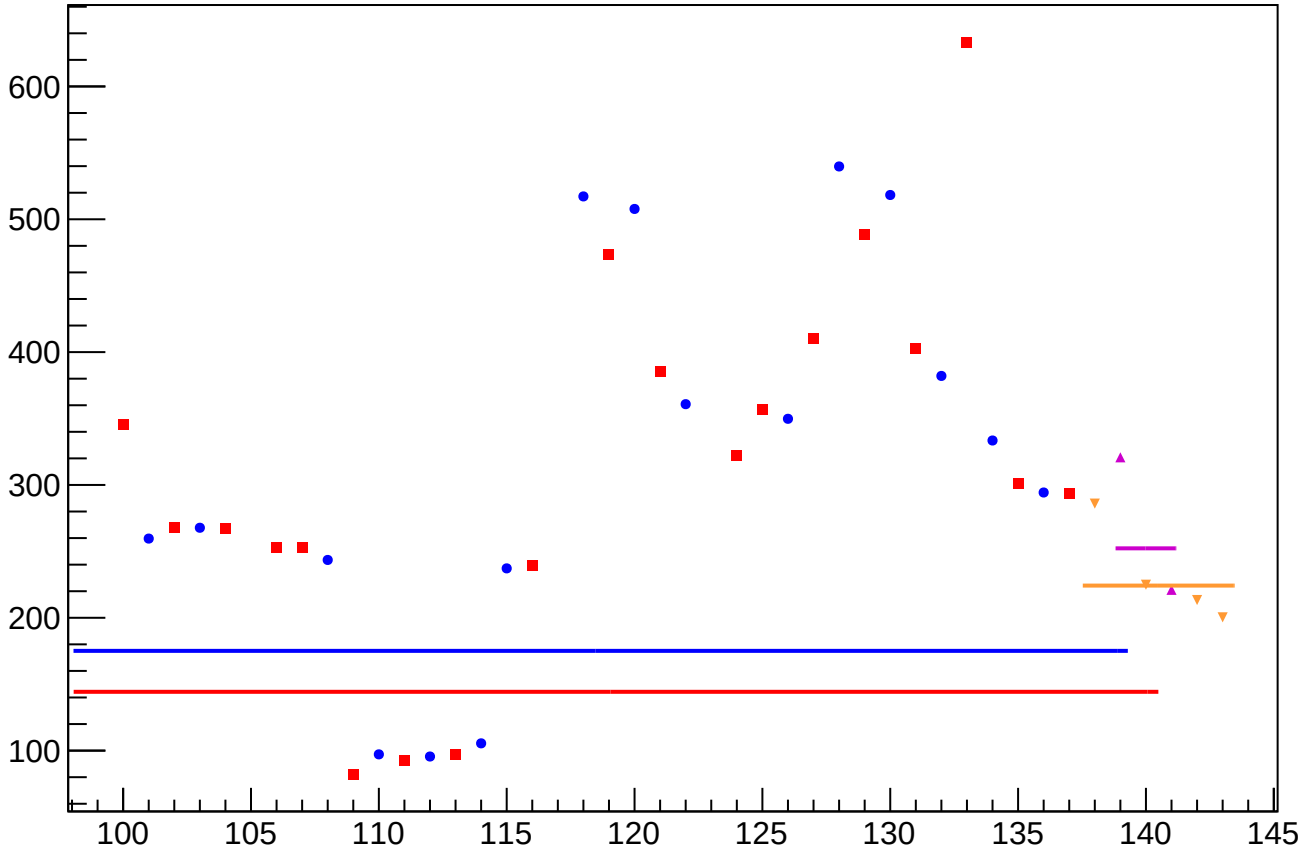
Left In: -153.535+/-195.350 χ^2/NDF:2.7/1

+ sign -107.354+/-67.818 χ^2/NDF: 26.5/19

All: -60.699+/-45.940 χ^2/NDF: 42.7/40

- sign -21.135+/-62.451 χ^2/NDF: 15.3/20

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 224.239+/-0.095 χ^2/NDF:96897.8/3

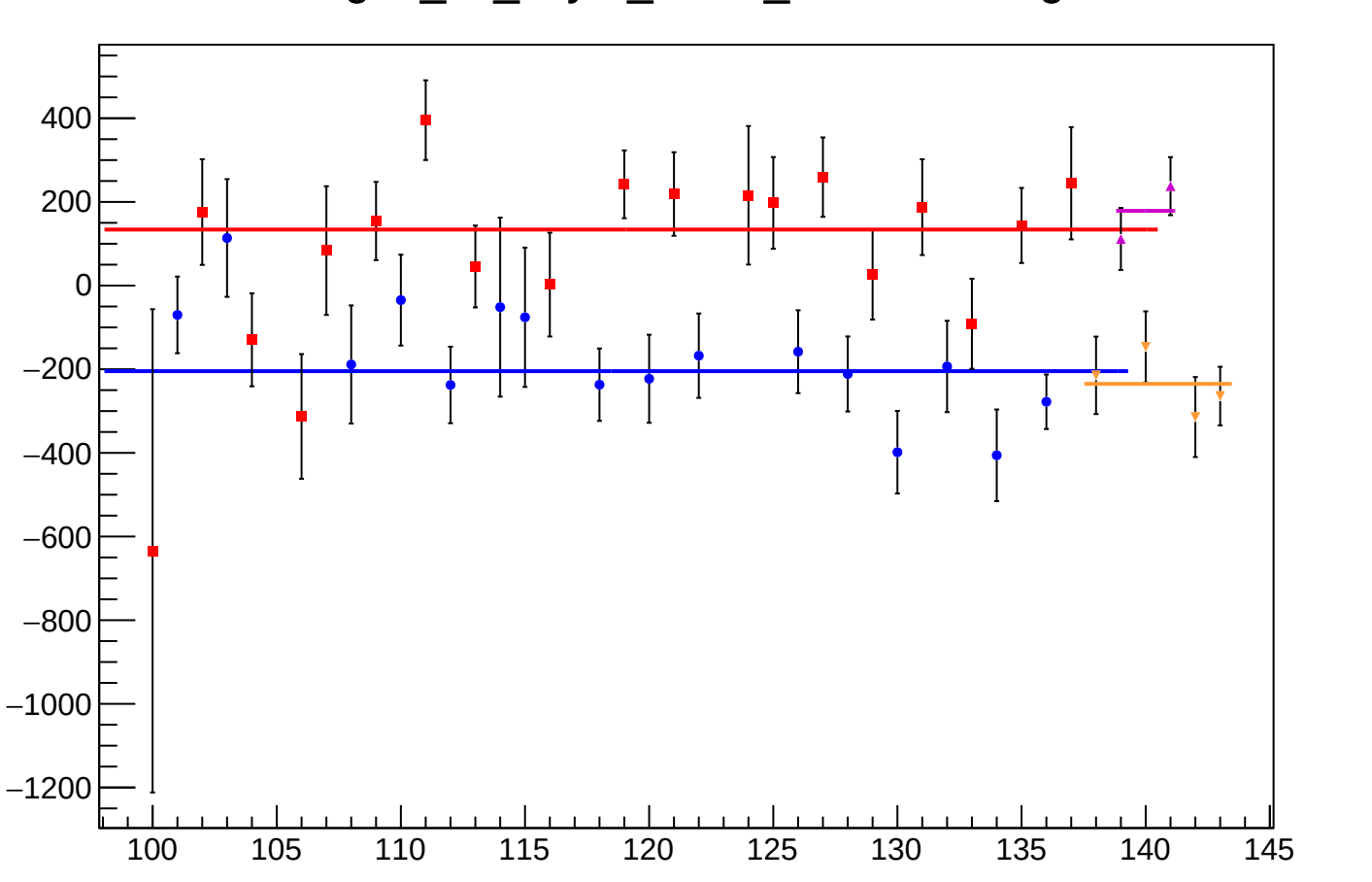
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 252.278+/-0.138 χ^2/NDF:112165.2/1

+ sign 187.726+/-0.048 χ^2/NDF: 4726455.8/19

All: 170.187+/-0.032 χ^2/NDF: 10767093.2/40

- sign 155.314+/-0.044 χ^2/NDF: 5793434.4/20



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -234.965+/-41.944 χ^2/NDF:2.0/3

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

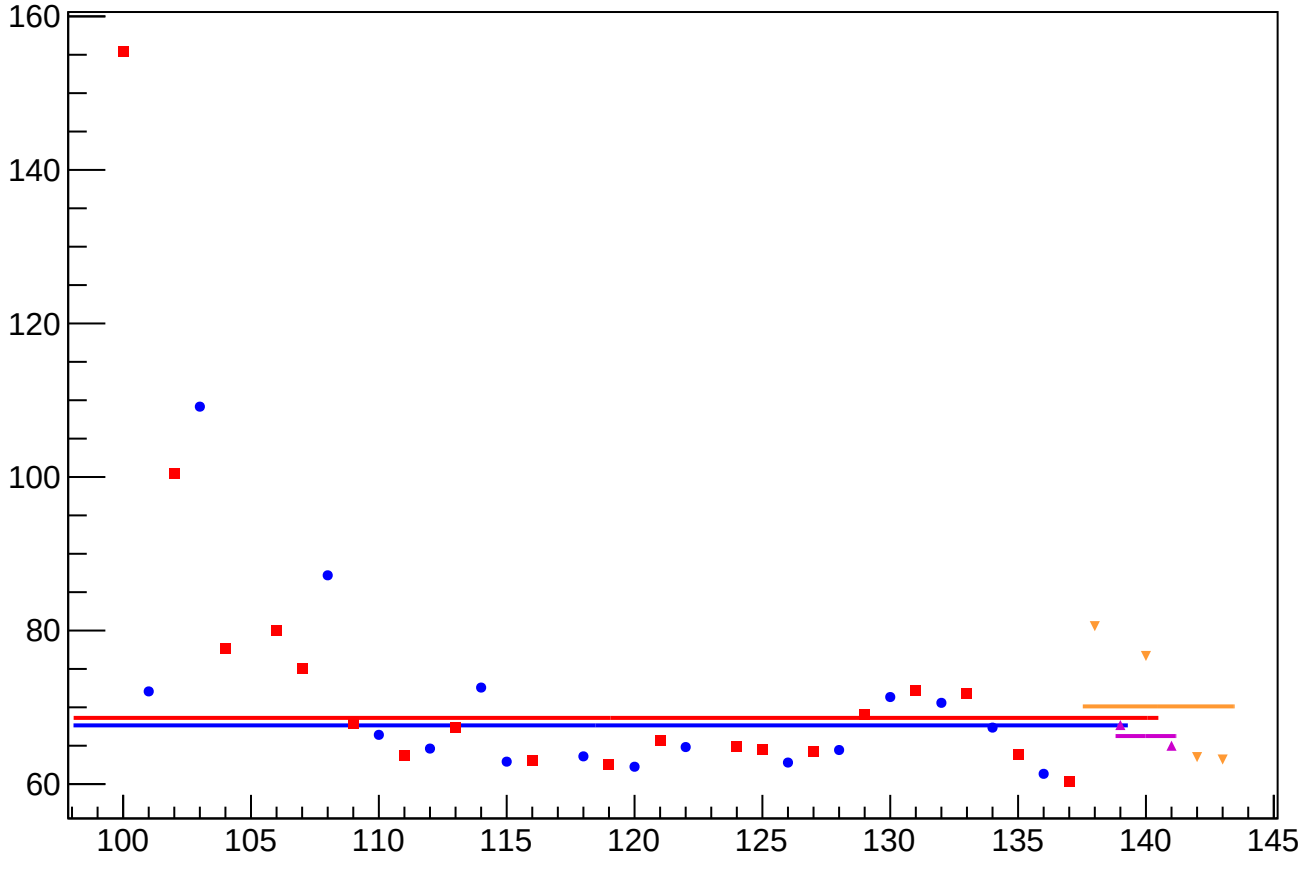
Left In: 178.770+/-50.676 χ^2/NDF:1.5/1

+ sign -212.788+/-21.804 χ^2/NDF: 22.4/19

All: -42.589+/-15.747 χ^2/NDF: 189.1/40

- sign 142.977+/-22.767 χ^2/NDF: 39.4/20

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 70.120+/-0.030 χ^2/NDF:66509.6/3

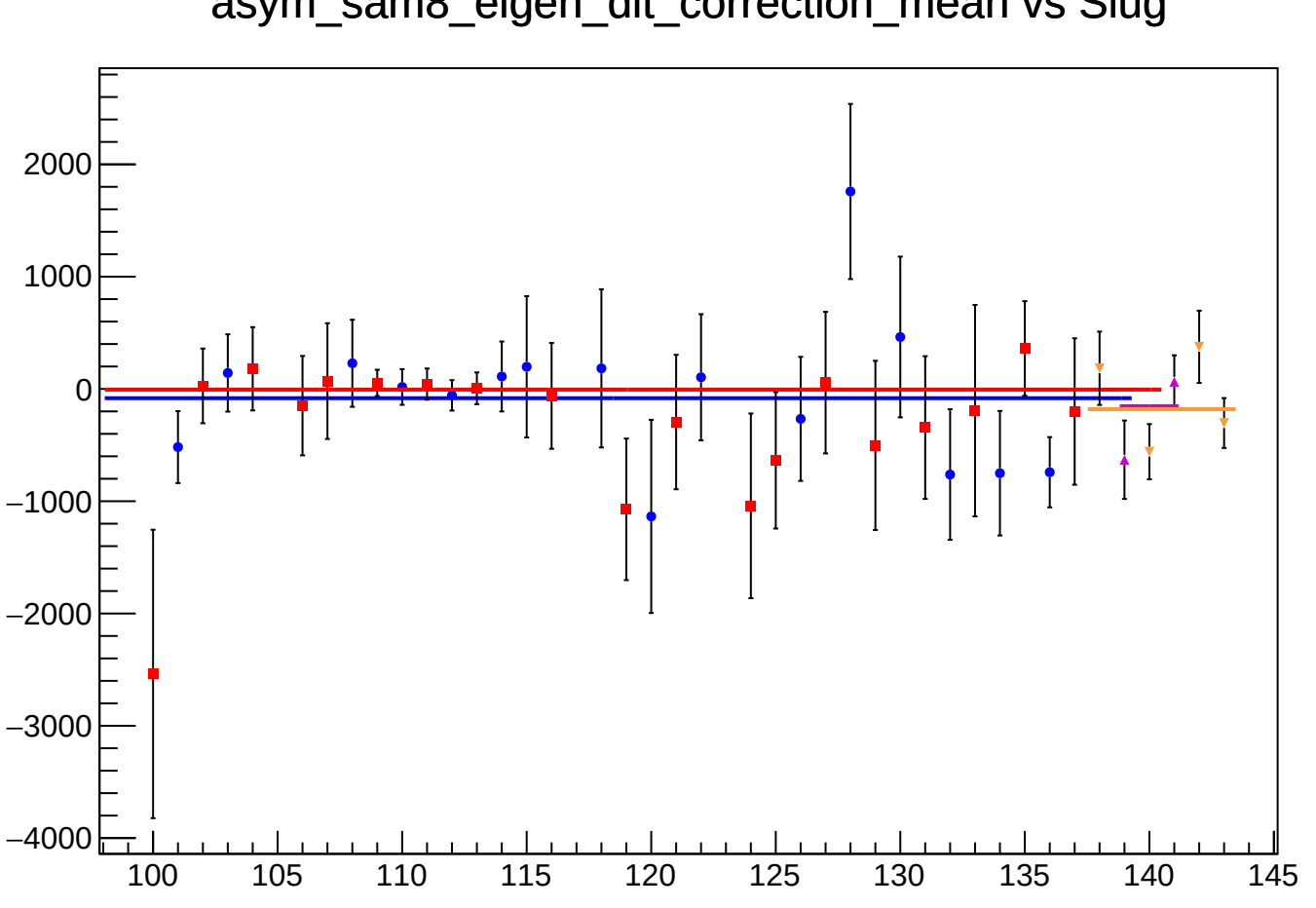
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.258+/-0.036 χ^2/NDF:1408.5/1

+ sign 68.315+/-0.015 χ^2/NDF: 335249.7/19

All: 68.234+/-0.011 χ^2/NDF: 588361.7/40

- sign 68.146+/-0.016 χ^2/NDF: 253054.4/20



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -180.013+/-133.786 χ^2/NDF:6.9/3

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

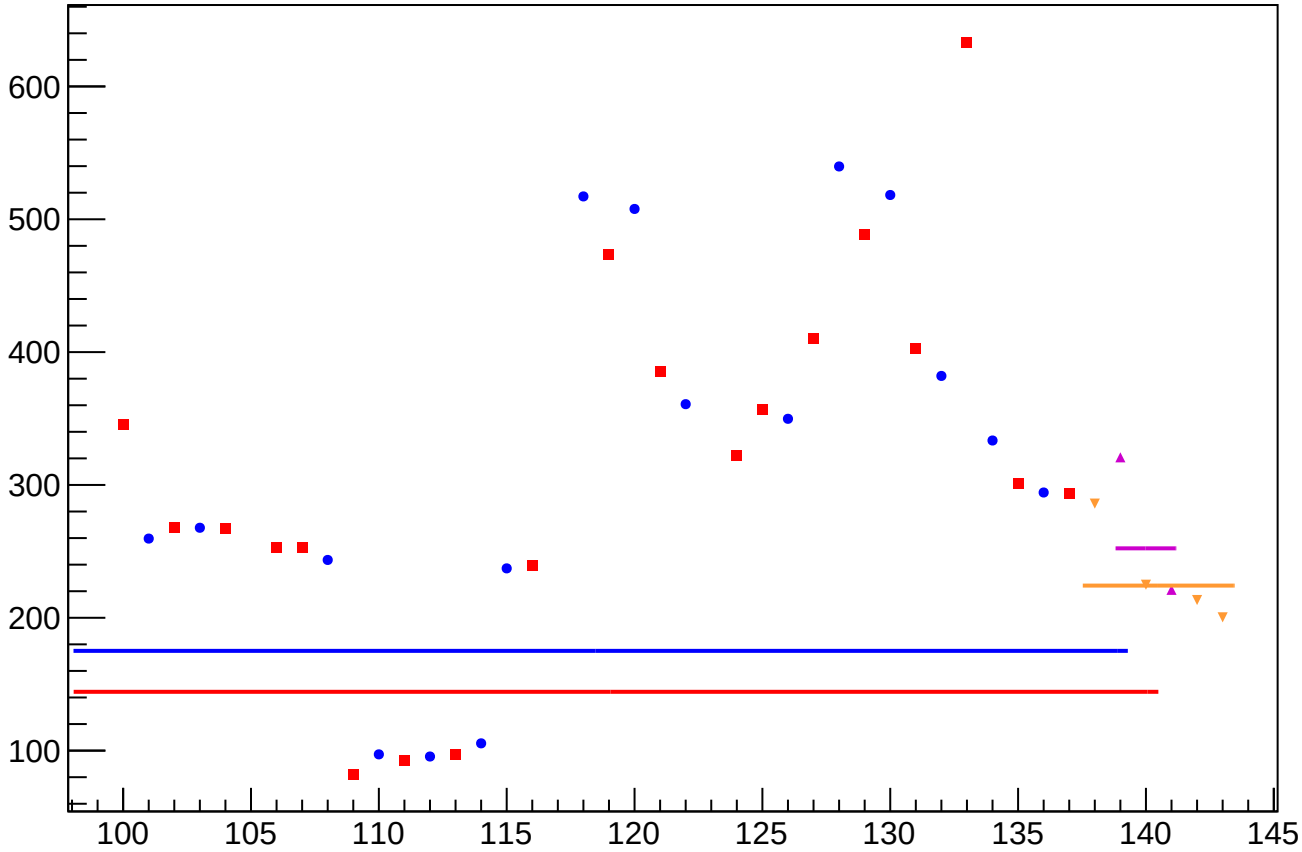
Left In: -153.536+/-195.349 χ^2/NDF:2.7/1

+ sign -107.353+/-67.818 χ^2/NDF: 26.5/19

All: -60.698+/-45.940 χ^2/NDF: 42.7/40

- sign -21.134+/-62.451 χ^2/NDF: 15.3/20

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 224.238+/-0.095 χ^2/NDF:96897.8/3

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

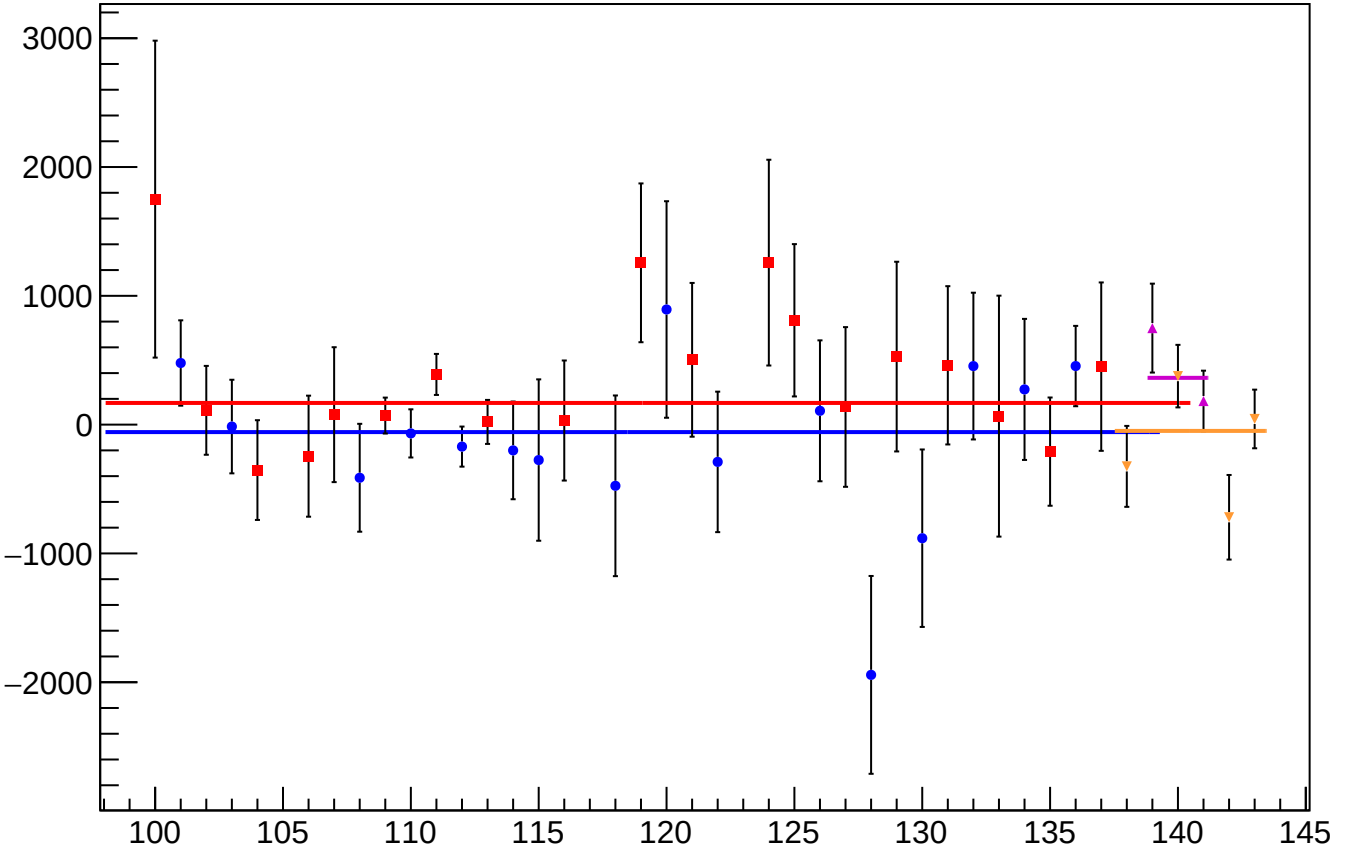
Left In: 252.277+/-0.138 χ^2/NDF:112164.0/1

+ sign 187.725+/-0.048 χ^2/NDF: 4726481.7/19

All: 170.186+/-0.032 χ^2/NDF: 10767082.4/40

- sign 155.314+/-0.044 χ^2/NDF: 5793410.8/20

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: -48.792+/-134.038 χ^2/NDF:8.2/3

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

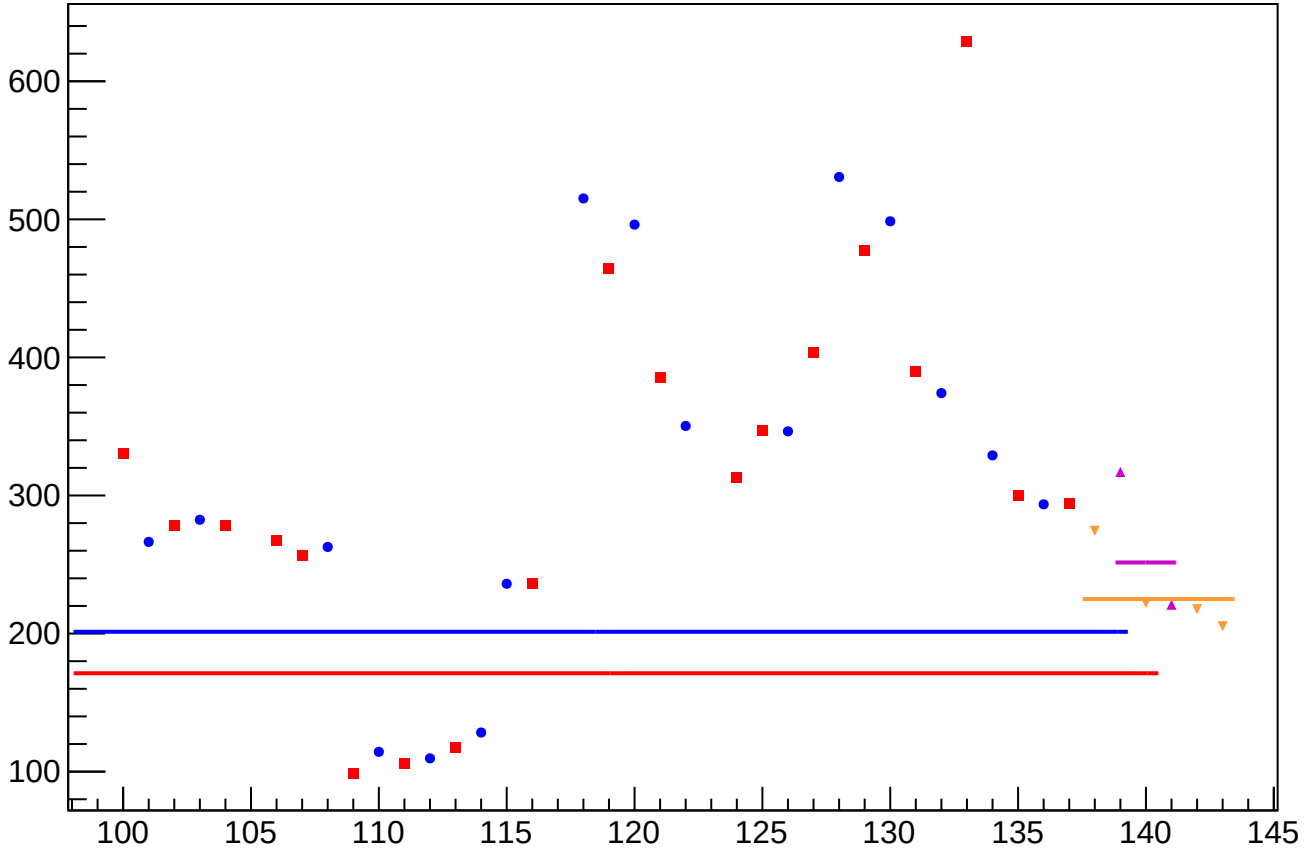
Left In: 363.239+/-194.625 χ^2/NDF:1.8/1

+ sign -55.254+/-72.911 χ^2/NDF: 25.6/19

All: 74.688+/-50.366 χ^2/NDF: 49.8/40

- sign 193.289+/-69.656 χ^2/NDF: 18.2/20

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 225.043+/-0.095 χ^2/NDF:65701.6/3

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

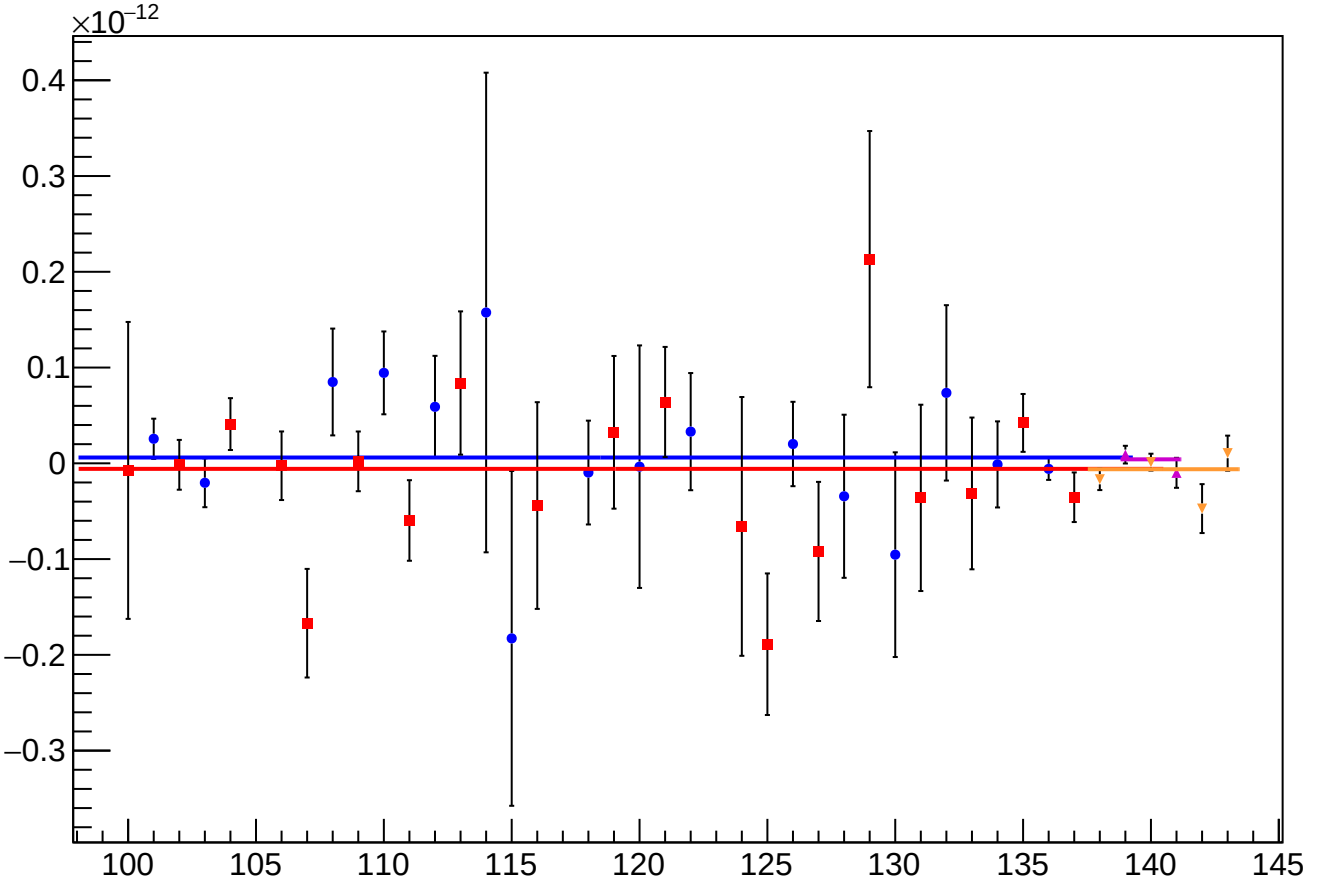
Left In: 251.493+/-0.138 χ^2/NDF:105768.5/1

+ sign 208.326+/-0.052 χ^2/NDF: 3682081.0/19

All: 194.317+/-0.036 χ^2/NDF: 8418051.6/40

- sign 181.530+/-0.049 χ^2/NDF: 4594735.8/20

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:5.0/3

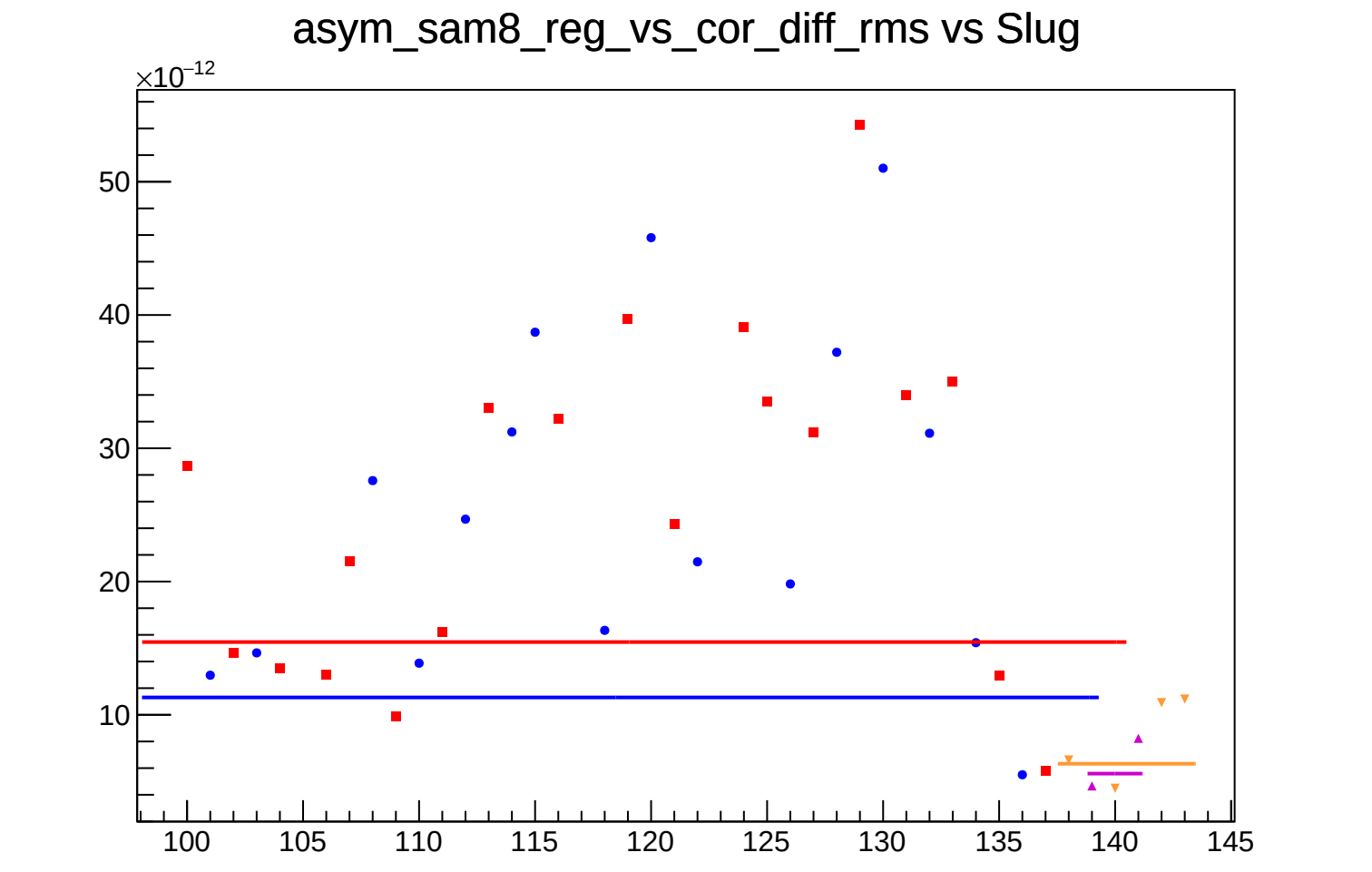
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.2/19

All: -0.000+/-0.000 χ^2/NDF: 52.4/40

- sign 0.000+/-0.000 χ^2/NDF: 32.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:293766.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

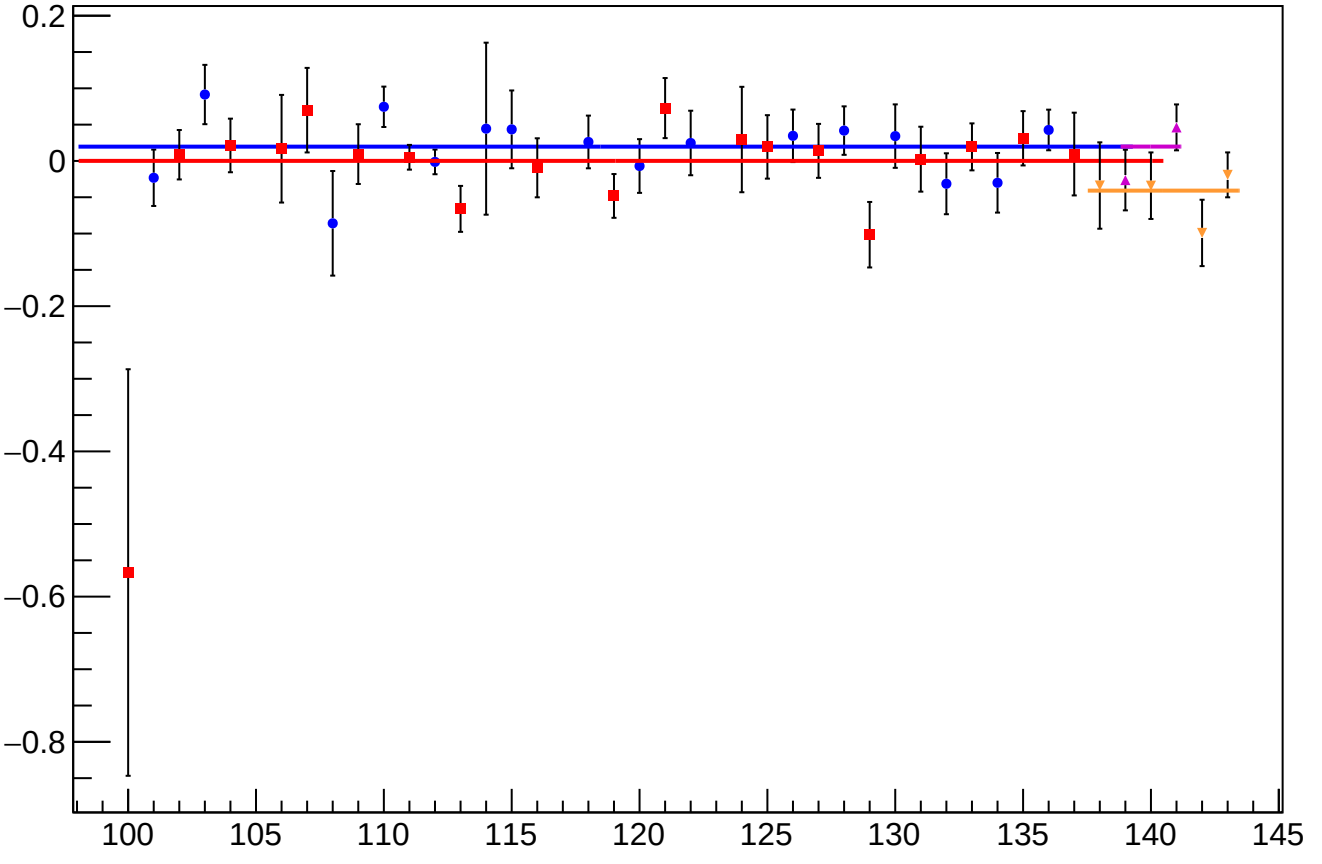
Left In: 0.000+/-0.000 χ^2/NDF:77085.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 2541923.6/19

All: 0.000+/-0.000 χ^2/NDF: 5269742.9/40

- sign 0.000+/-0.000 χ^2/NDF: 2685126.3/20

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

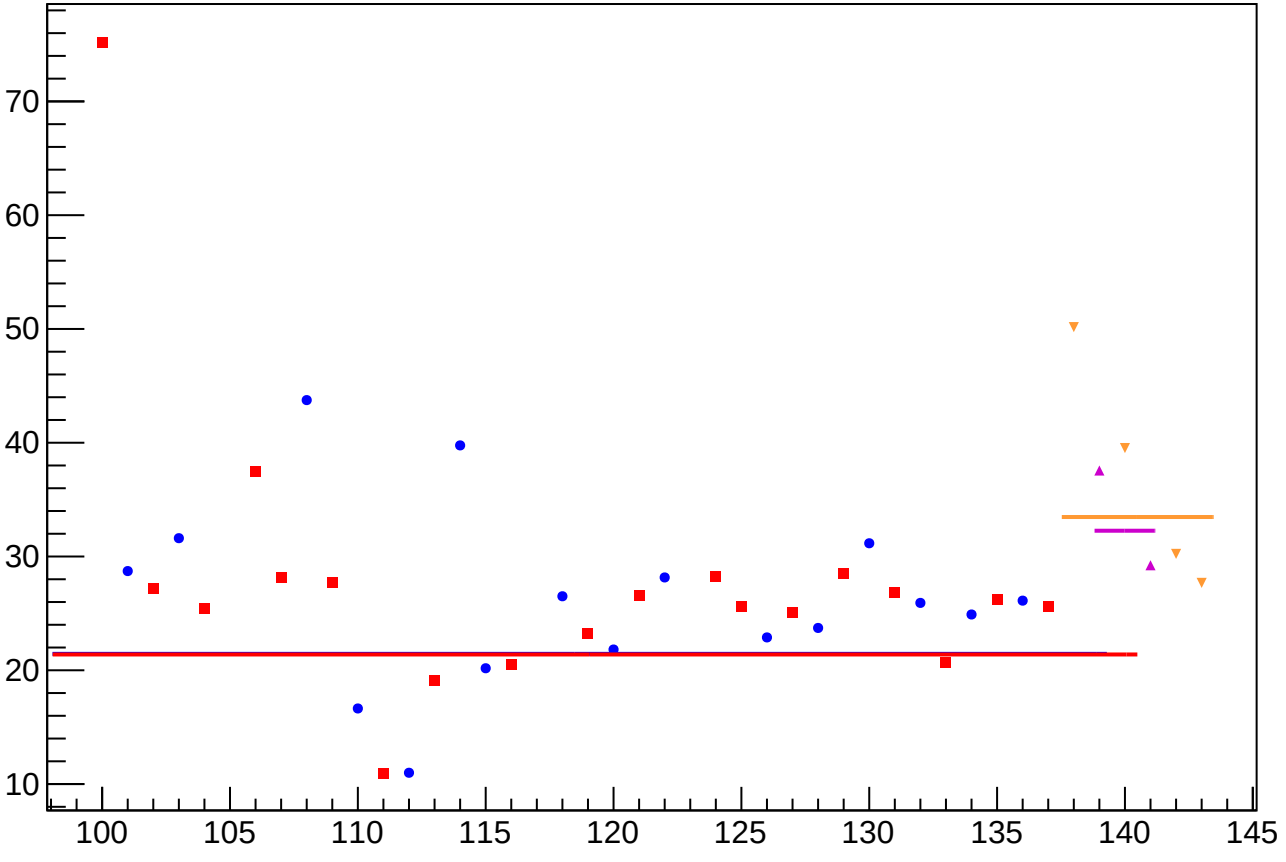
Left In: 0.020+/-0.025 χ^2/NDF:1.9/1

+ sign 0.011+/-0.008 χ^2/NDF: 26.3/19

All: 0.006+/-0.006 χ^2/NDF: 52.2/40

- sign 0.002+/-0.008 χ^2/NDF: 25.3/20

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272627.1/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

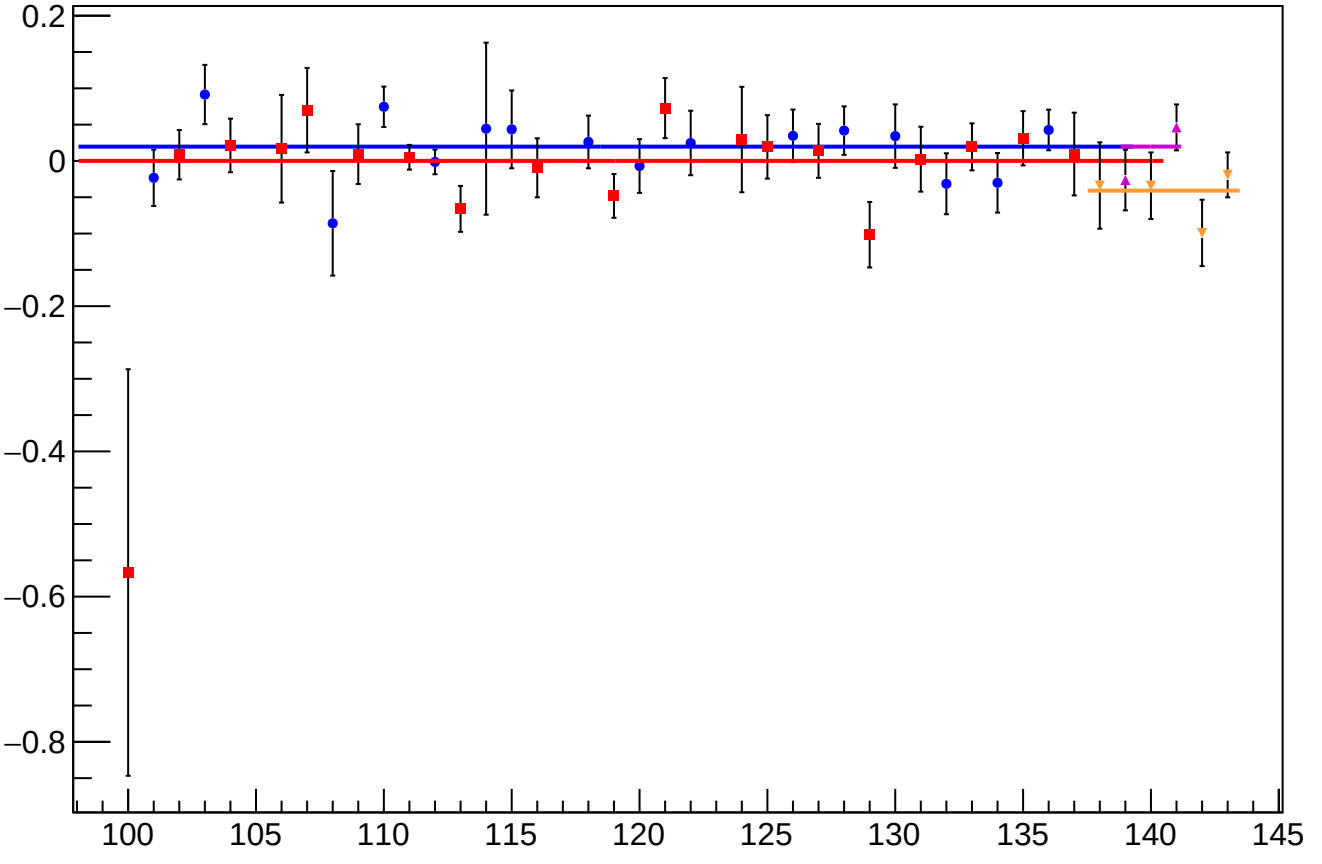
Left In: 32.266+/-0.018 χ^2/NDF:50547.7/1

+ sign 23.211+/-0.006 χ^2/NDF: 2376954.1/19

All: 22.858+/-0.004 χ^2/NDF: 4081427.5/40

- sign 22.501+/-0.006 χ^2/NDF: 1696677.5/20

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

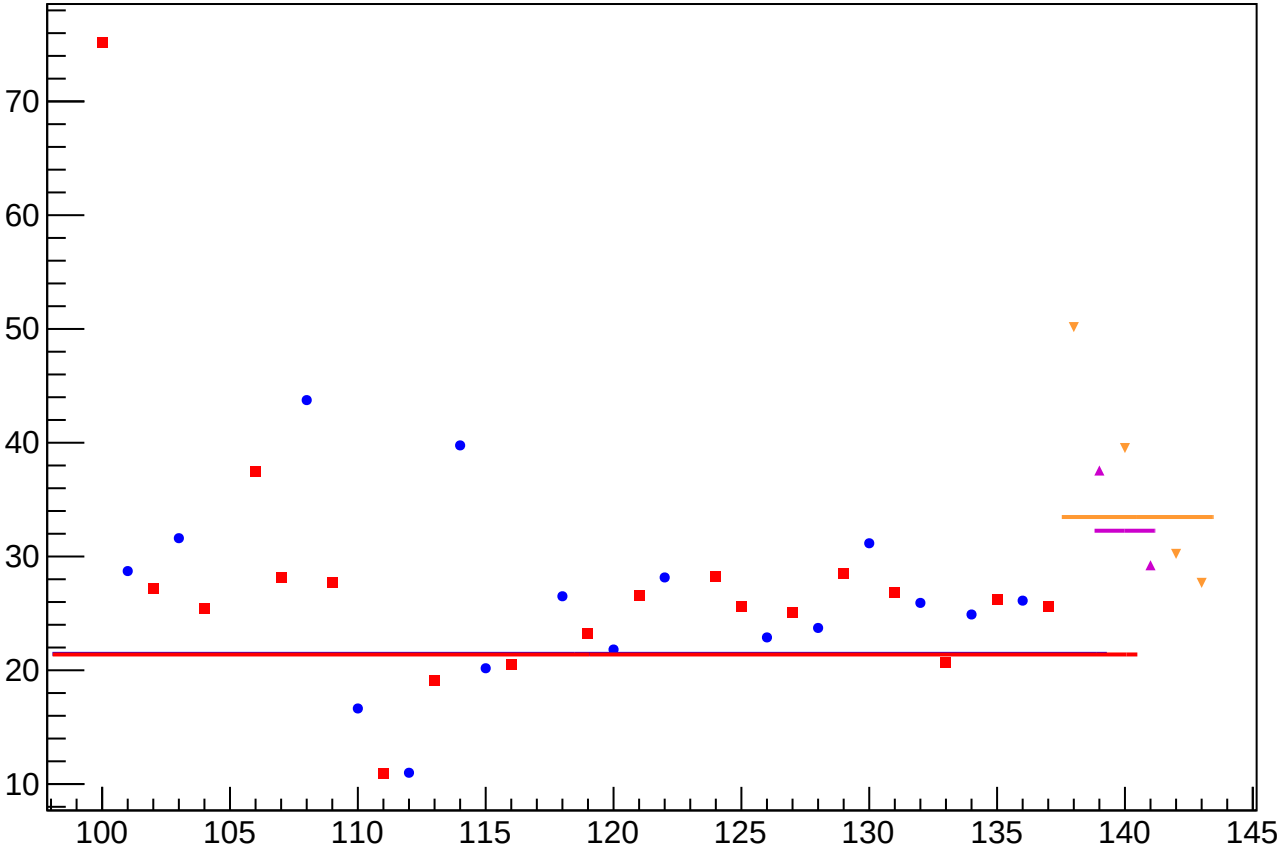
Left In: 0.020+/-0.025 χ^2/NDF:1.9/1

+ sign 0.011+/-0.008 χ^2/NDF: 26.3/19

All: 0.006+/-0.006 χ^2/NDF: 52.2/40

- sign 0.002+/-0.008 χ^2/NDF: 25.3/20

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272627.1/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

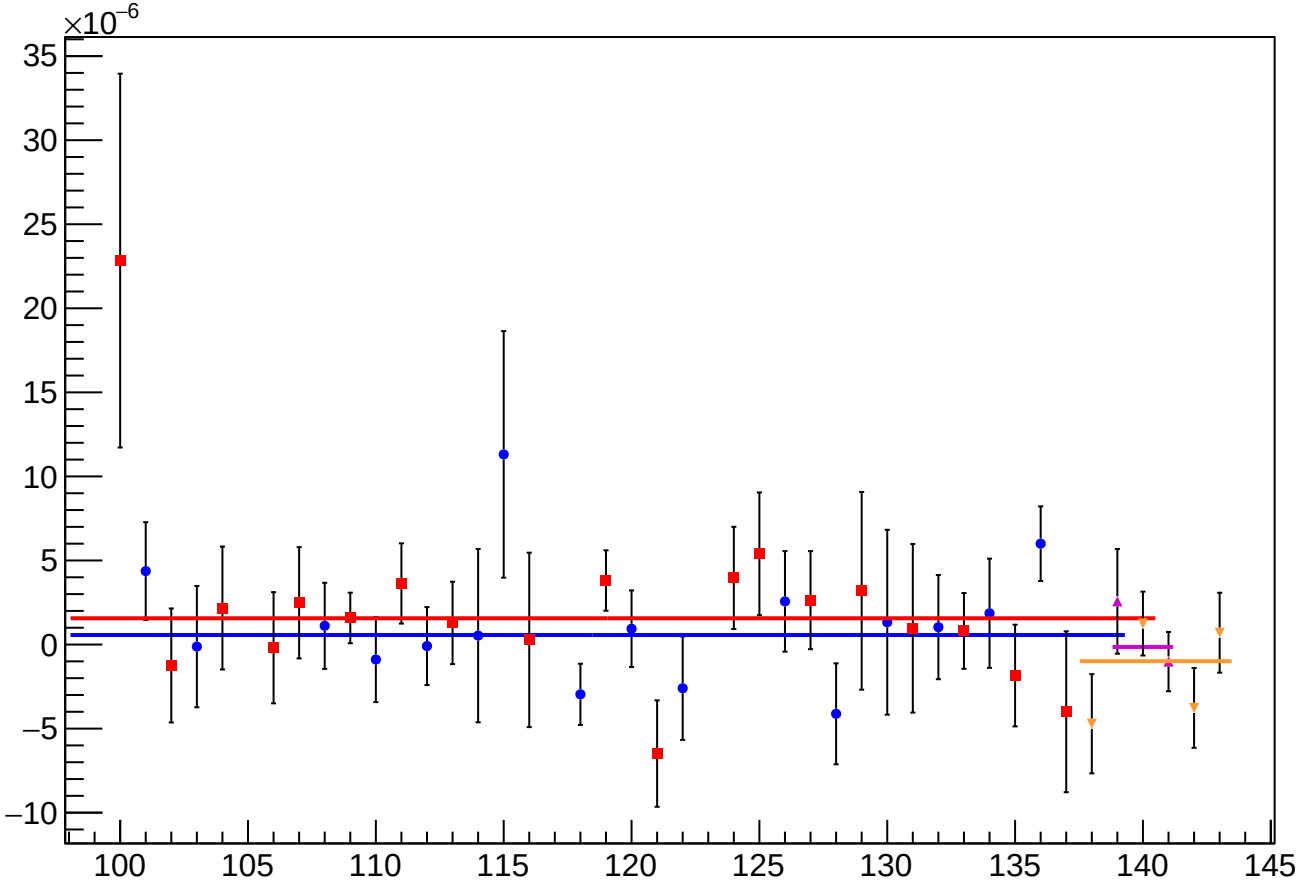
Left In: 32.266+/-0.018 χ^2/NDF:50547.7/1

+ sign 23.211+/-0.006 χ^2/NDF: 2376954.1/19

All: 22.858+/-0.004 χ^2/NDF: 4081427.5/40

- sign 22.501+/-0.006 χ^2/NDF: 1696677.5/20

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:4.9/3

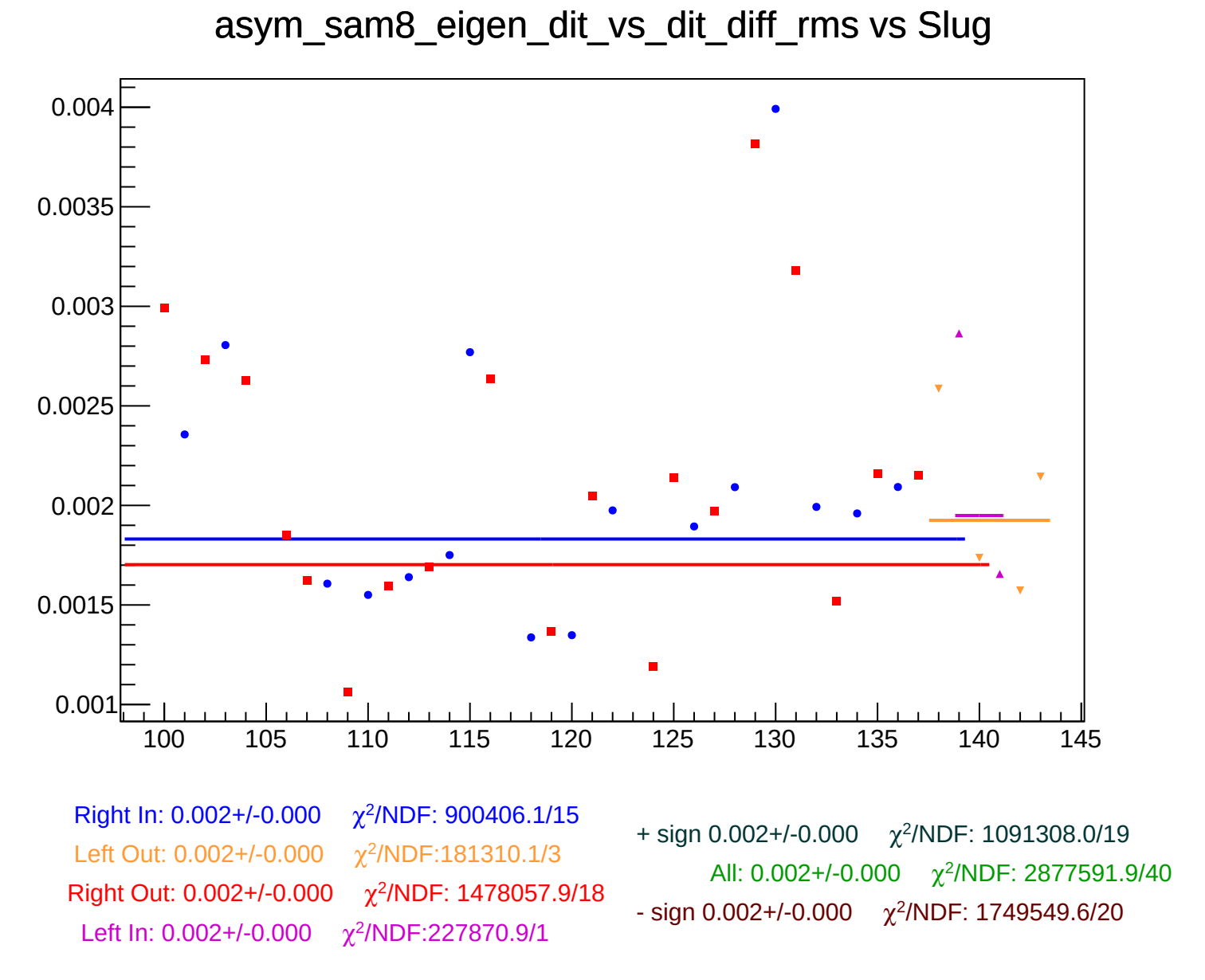
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

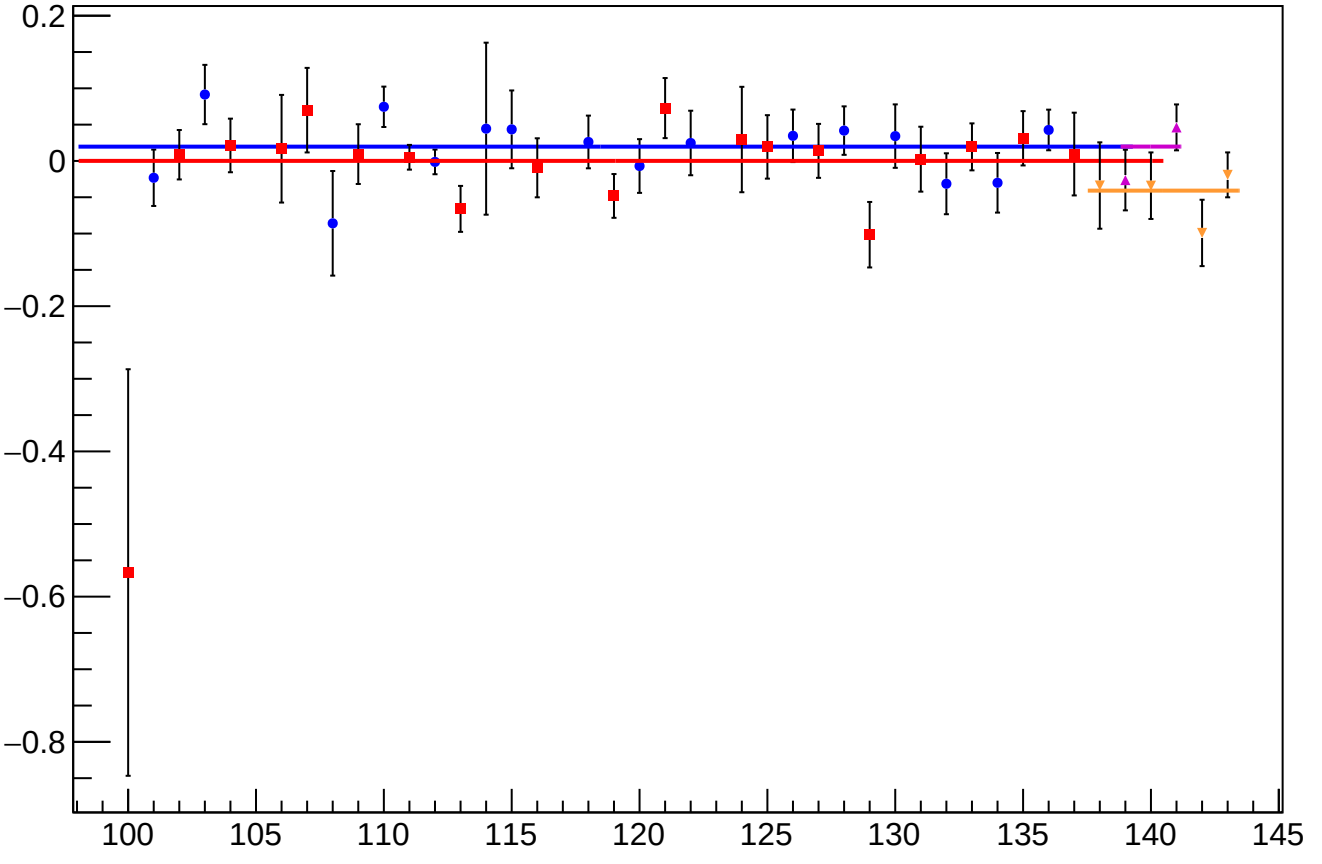
+ sign 0.000+/-0.000 χ^2/NDF: 24.4/19

All: 0.000+/-0.000 χ^2/NDF: 46.6/40

- sign 0.000+/-0.000 χ^2/NDF: 20.3/20


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:181310.1/3
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:227870.9/1
+ sign 0.002+/-0.000 χ²/NDF: 1091308.0/19
All: 0.002+/-0.000 χ²/NDF: 2877591.9/40
- sign 0.002+/-0.000 χ²/NDF: 1749549.6/20

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

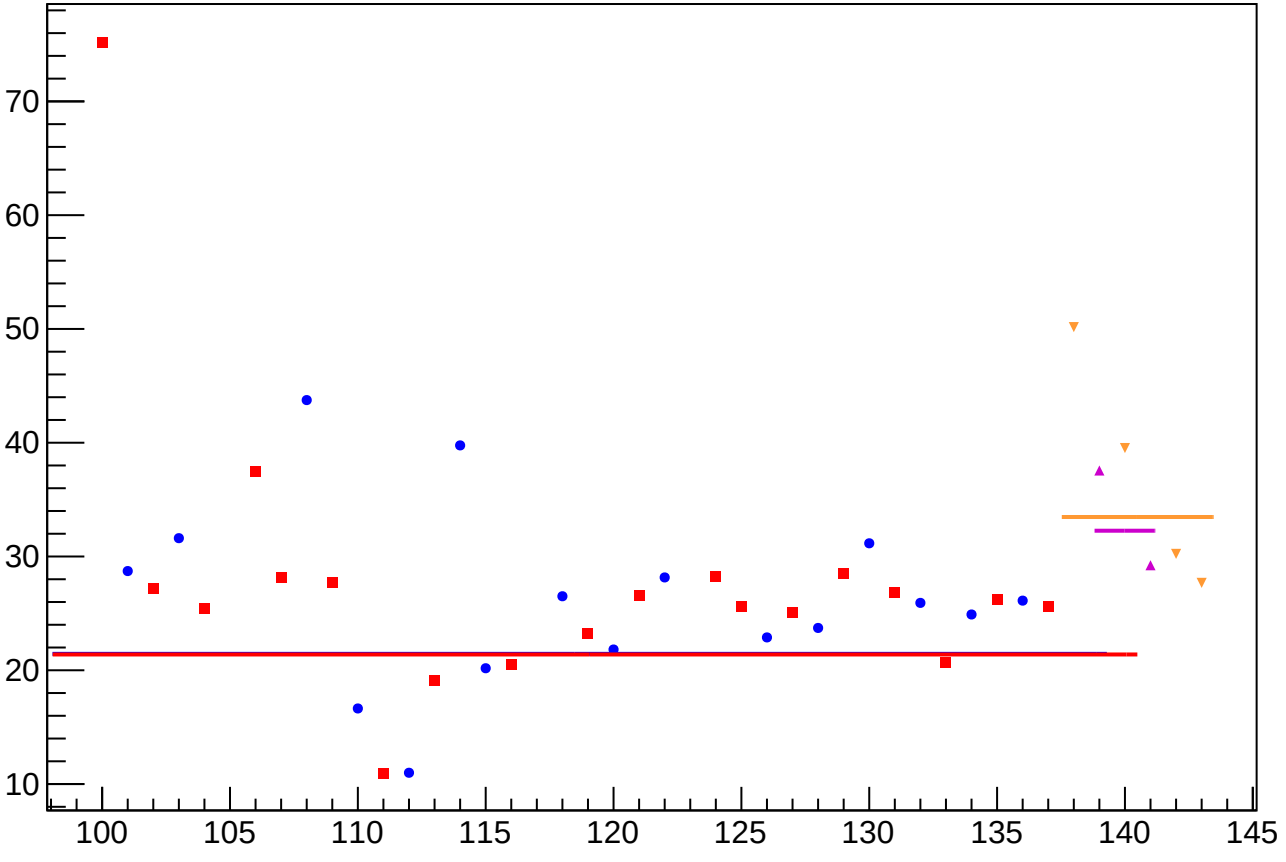
Left In: 0.020+/-0.025 χ^2/NDF:1.9/1

+ sign 0.011+/-0.008 χ^2/NDF: 26.3/19

All: 0.006+/-0.006 χ^2/NDF: 52.2/40

- sign 0.002+/-0.008 χ^2/NDF: 25.3/20

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272611.8/3

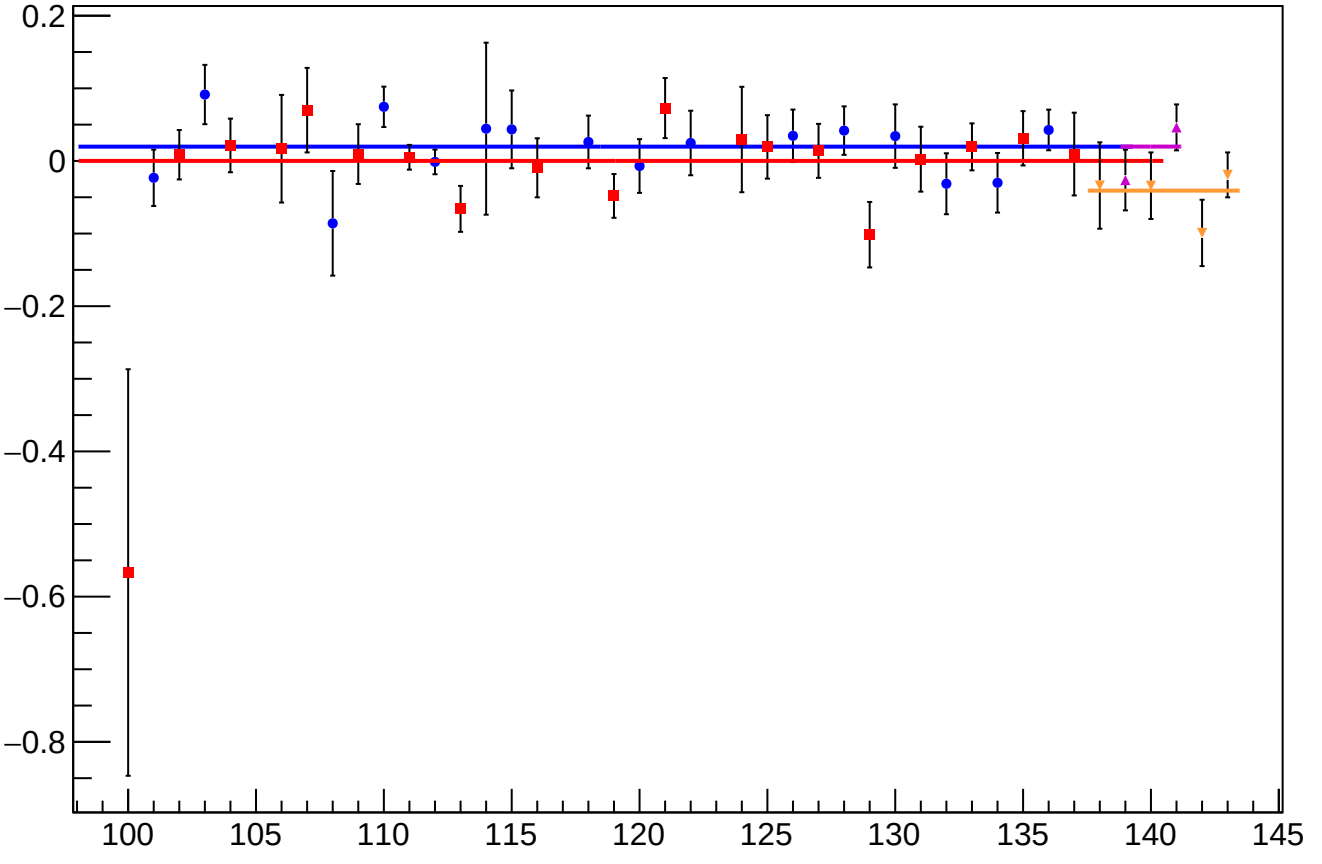
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 32.266+/-0.018 χ^2/NDF:50544.6/1

+ sign 23.210+/-0.006 χ^2/NDF: 2377174.0/19

All: 22.857+/-0.004 χ^2/NDF: 4081811.1/40

- sign 22.501+/-0.006 χ^2/NDF: 1696840.8/20



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

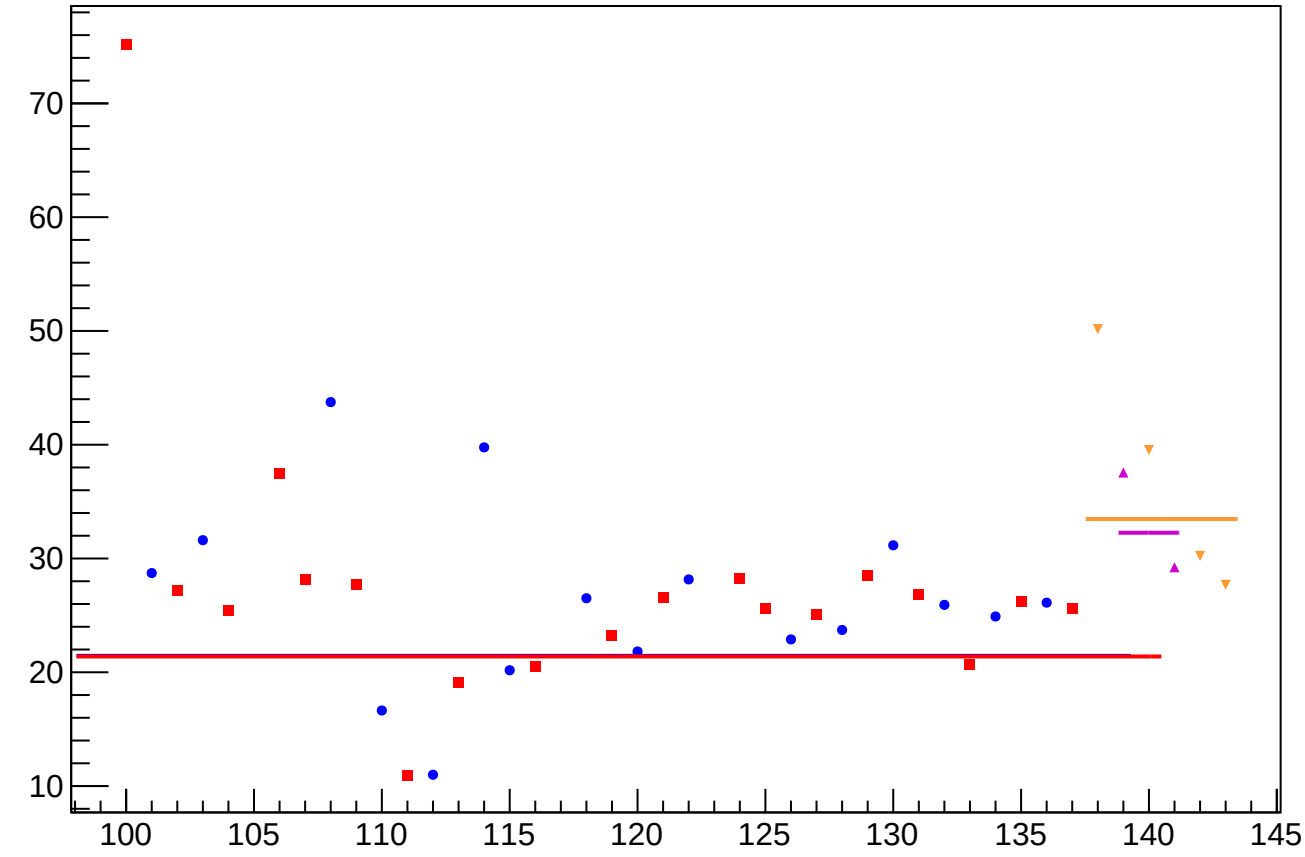
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.020+/-0.025 χ^2/NDF:1.9/1

+ sign 0.011+/-0.008 χ^2/NDF: 26.3/19

All: 0.006+/-0.006 χ^2/NDF: 52.2/40

- sign 0.002+/-0.008 χ^2/NDF: 25.3/20



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272611.8/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

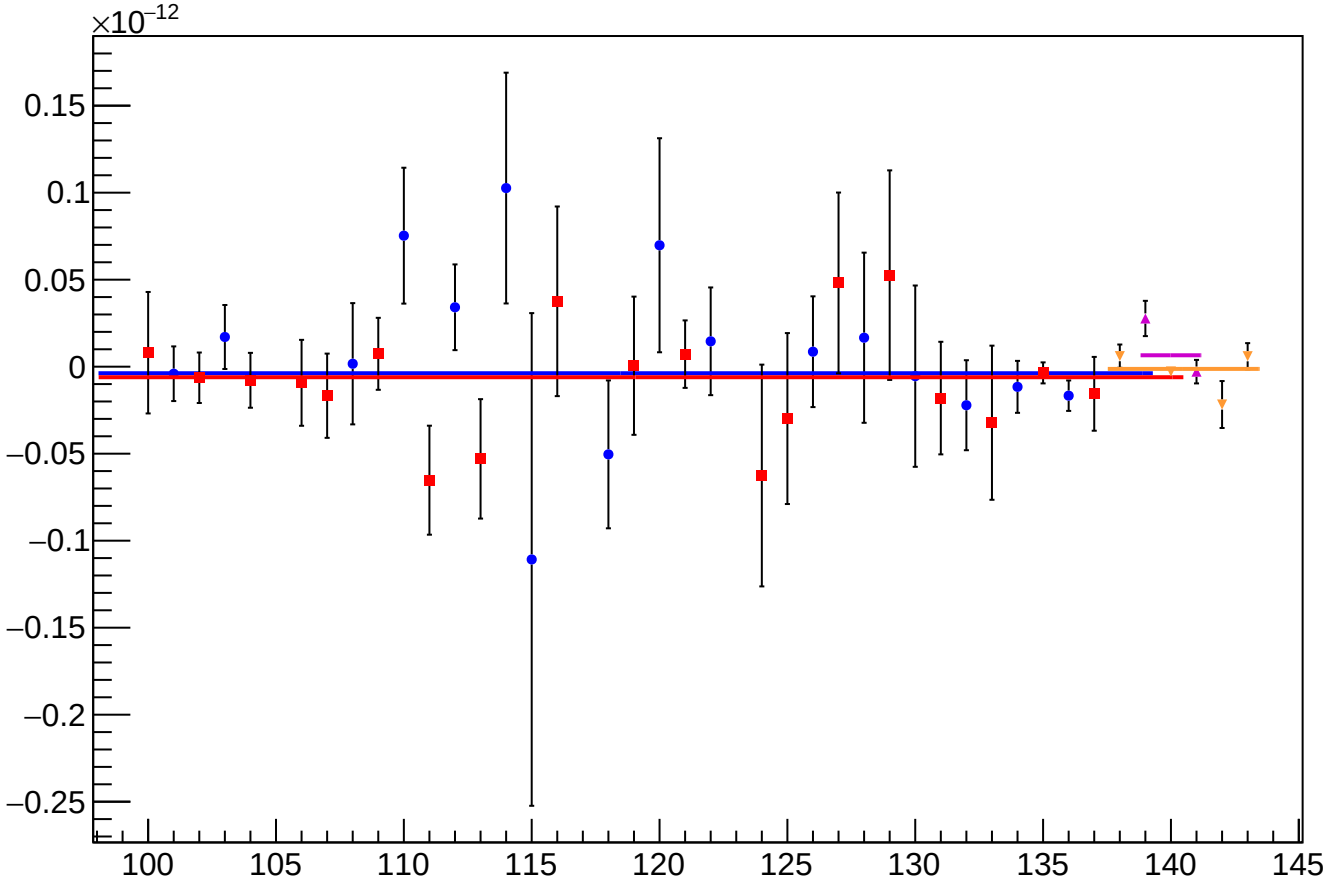
Left In: 32.266+/-0.018 χ^2/NDF:50544.6/1

+ sign 23.210+/-0.006 χ^2/NDF: 2377174.0/19

All: 22.857+/-0.004 χ^2/NDF: 4081811.1/40

- sign 22.501+/-0.006 χ^2/NDF: 1696840.8/20

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/3

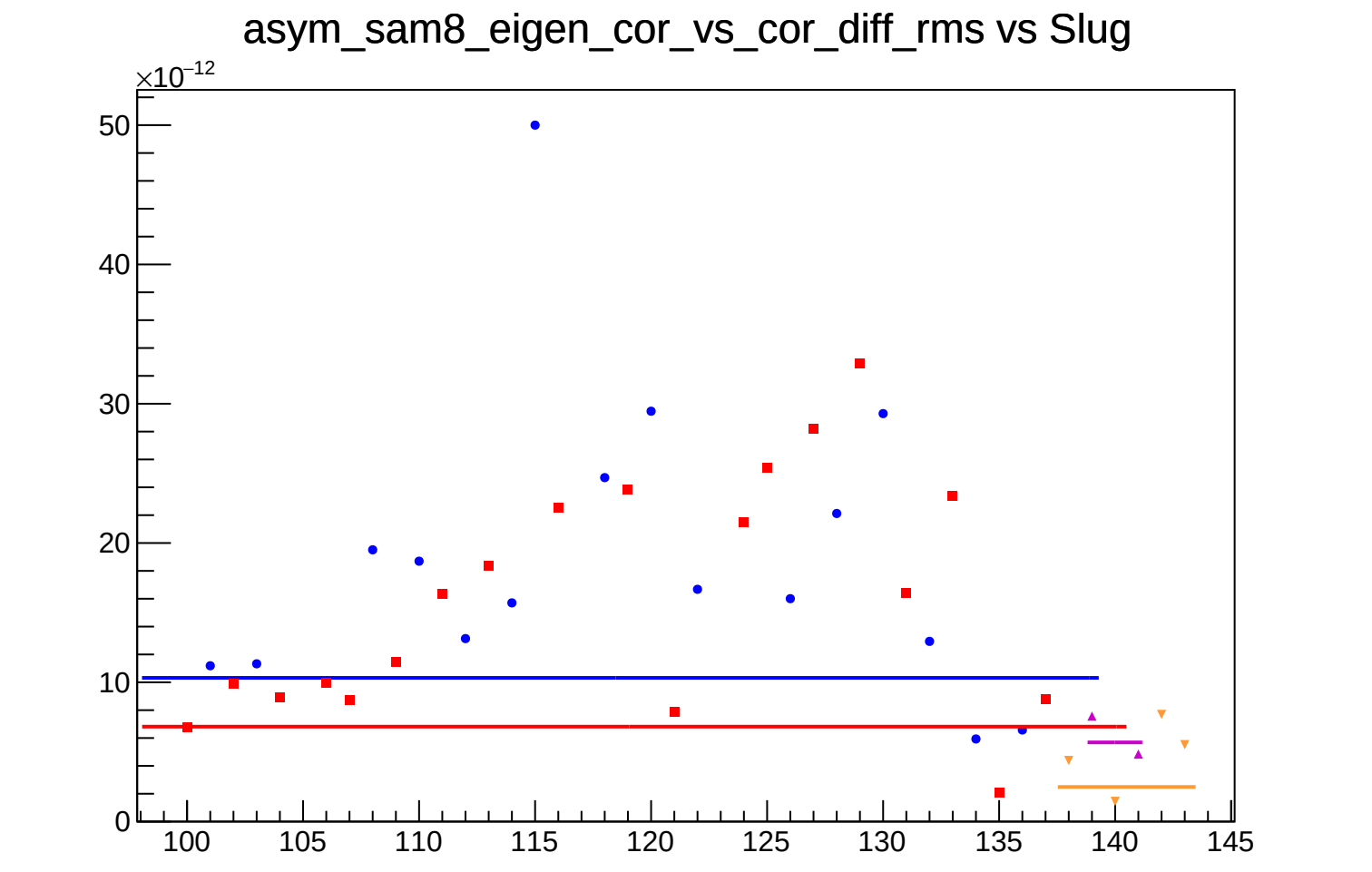
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/1

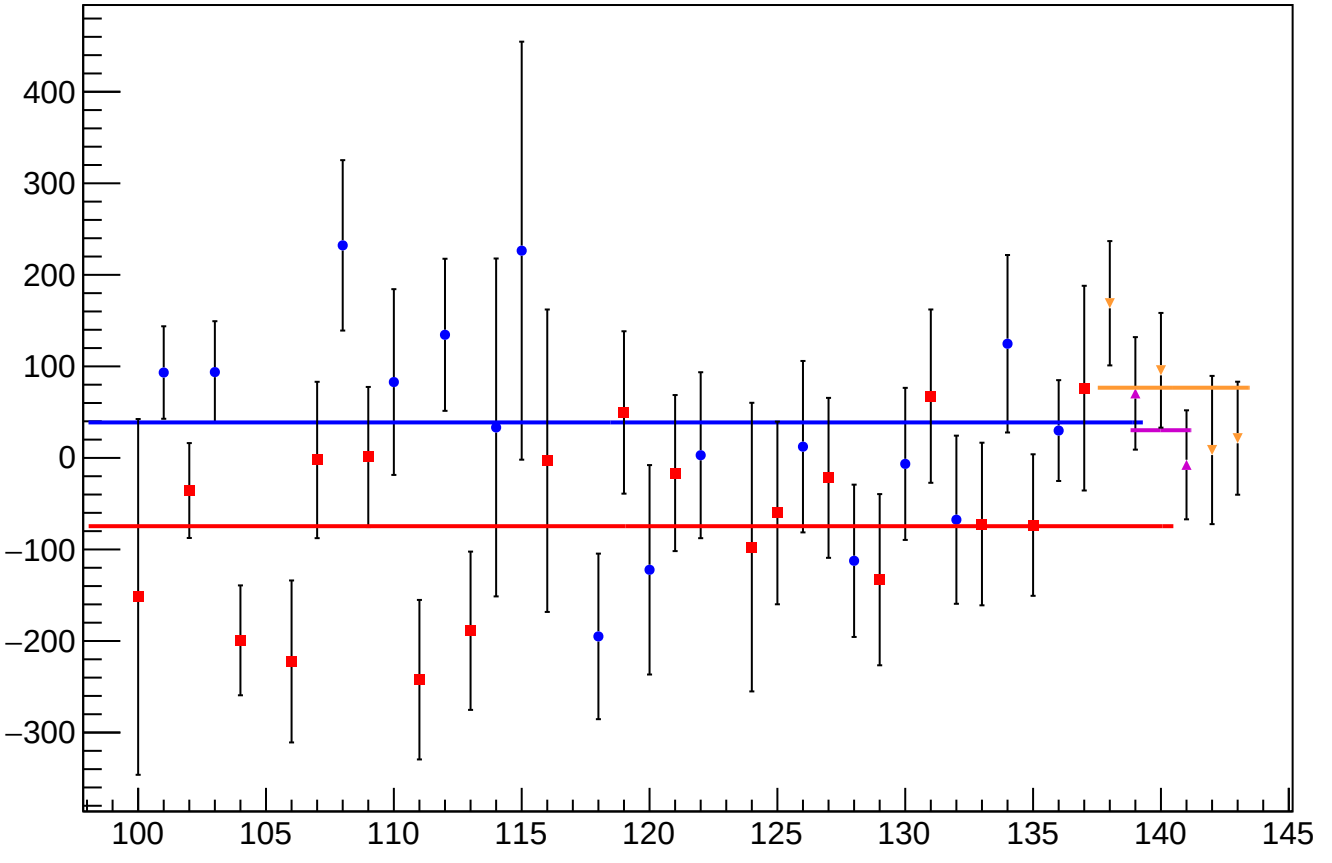
+ sign -0.000+/-0.000 χ^2/NDF: 22.1/19

All: -0.000+/-0.000 χ^2/NDF: 42.8/40

- sign -0.000+/-0.000 χ^2/NDF: 20.7/20


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1042525.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:99989.8/1
+ sign 0.000+/-0.000 χ²/NDF: 6380814.5/19
All: 0.000+/-0.000 χ²/NDF: 11363333.3/40
- sign 0.000+/-0.000 χ²/NDF: 4172474.1/20

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.694+/-33.585 χ^2/NDF:3.4/3

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

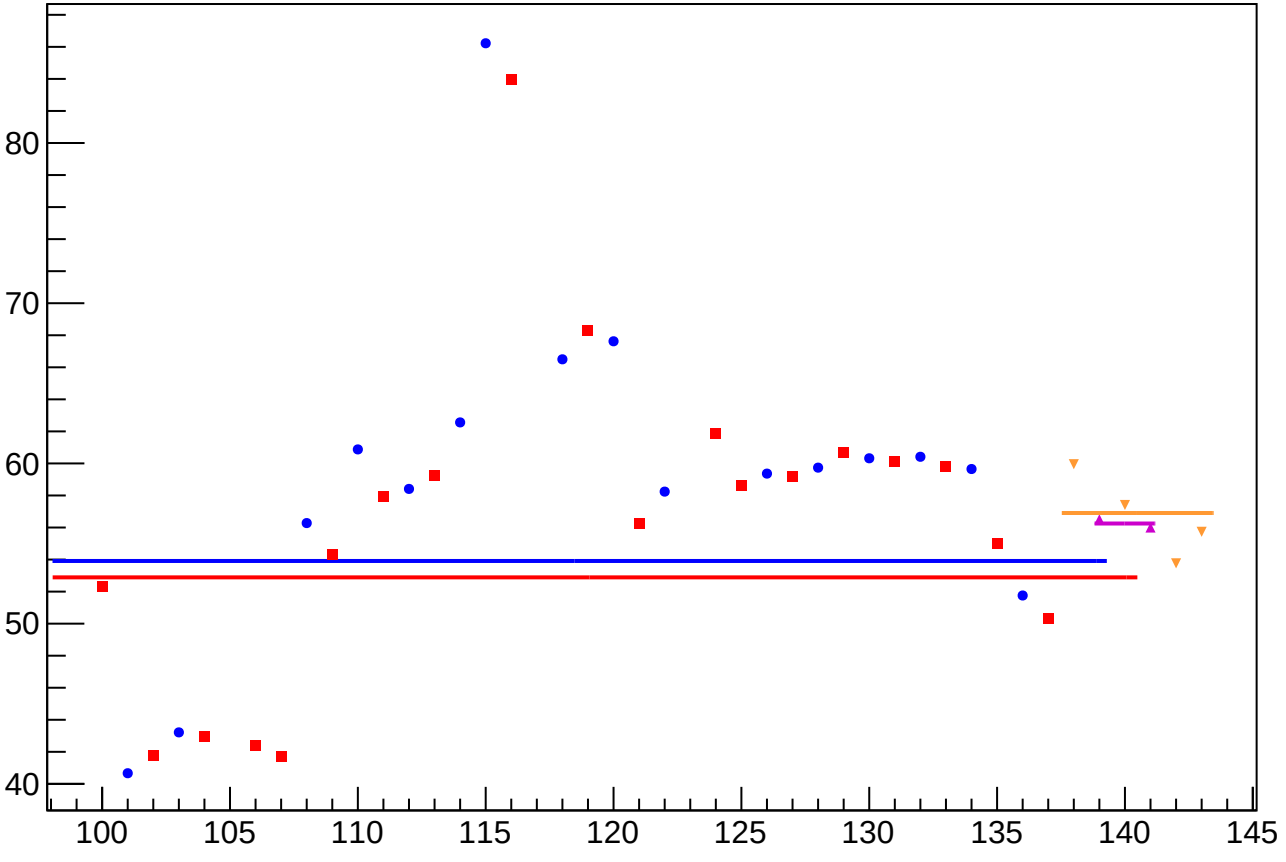
Left In: 30.258+/-42.769 χ^2/NDF:0.8/1

+ sign 49.009+/-17.444 χ^2/NDF: 27.7/19

All: -1.973+/-12.516 χ^2/NDF: 73.5/40

- sign -56.072+/-17.969 χ^2/NDF: 28.2/20

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 56.907+/-0.024 χ^2/NDF:7882.8/3

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

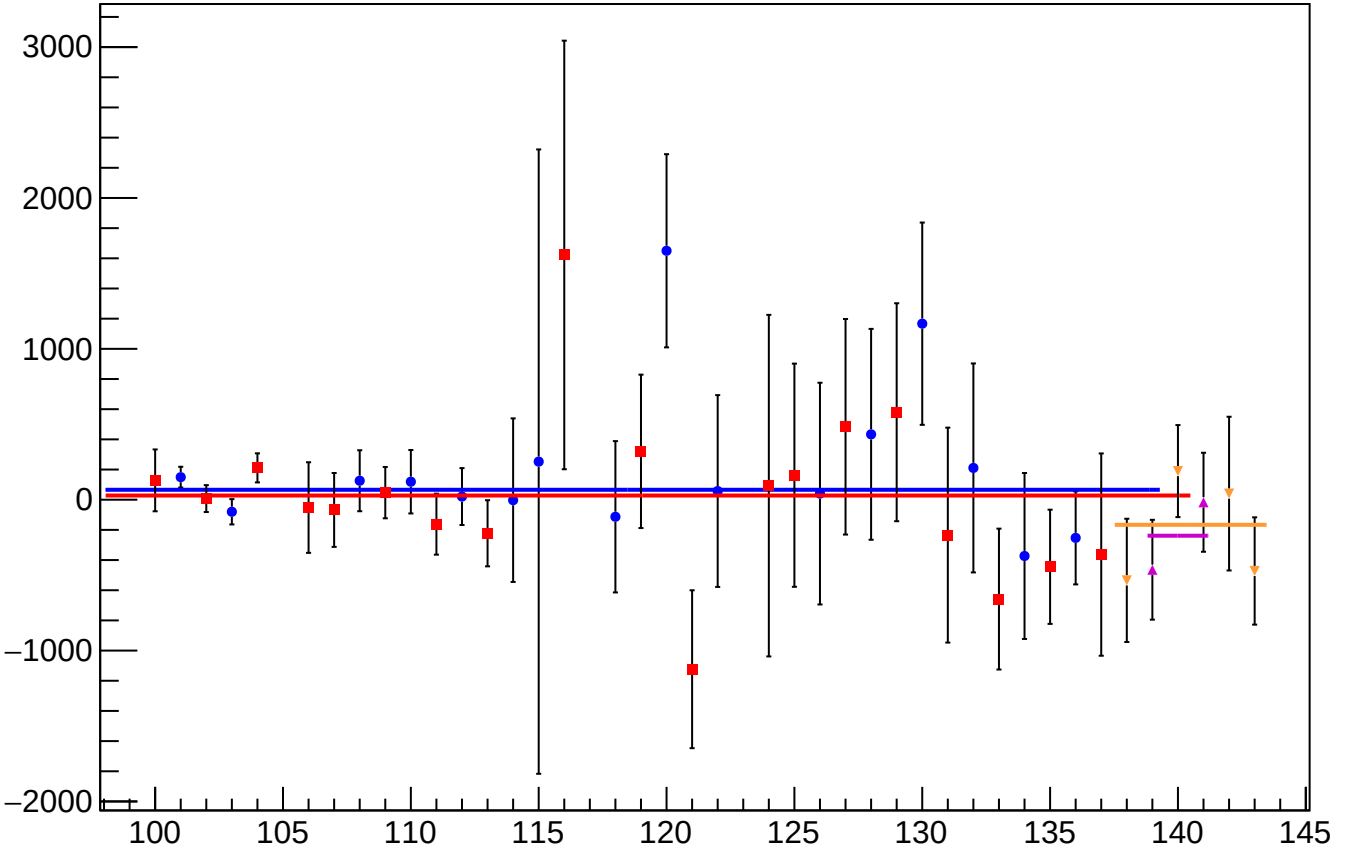
Left In: 56.250+/-0.030 χ^2/NDF:72.6/1

+ sign 54.720+/-0.012 χ^2/NDF: 412754.7/19

All: 54.120+/-0.009 χ^2/NDF: 853112.7/40

- sign 53.482+/-0.013 χ^2/NDF: 435472.5/20

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -166.492+/-187.316 χ^2/NDF:3.1/3

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

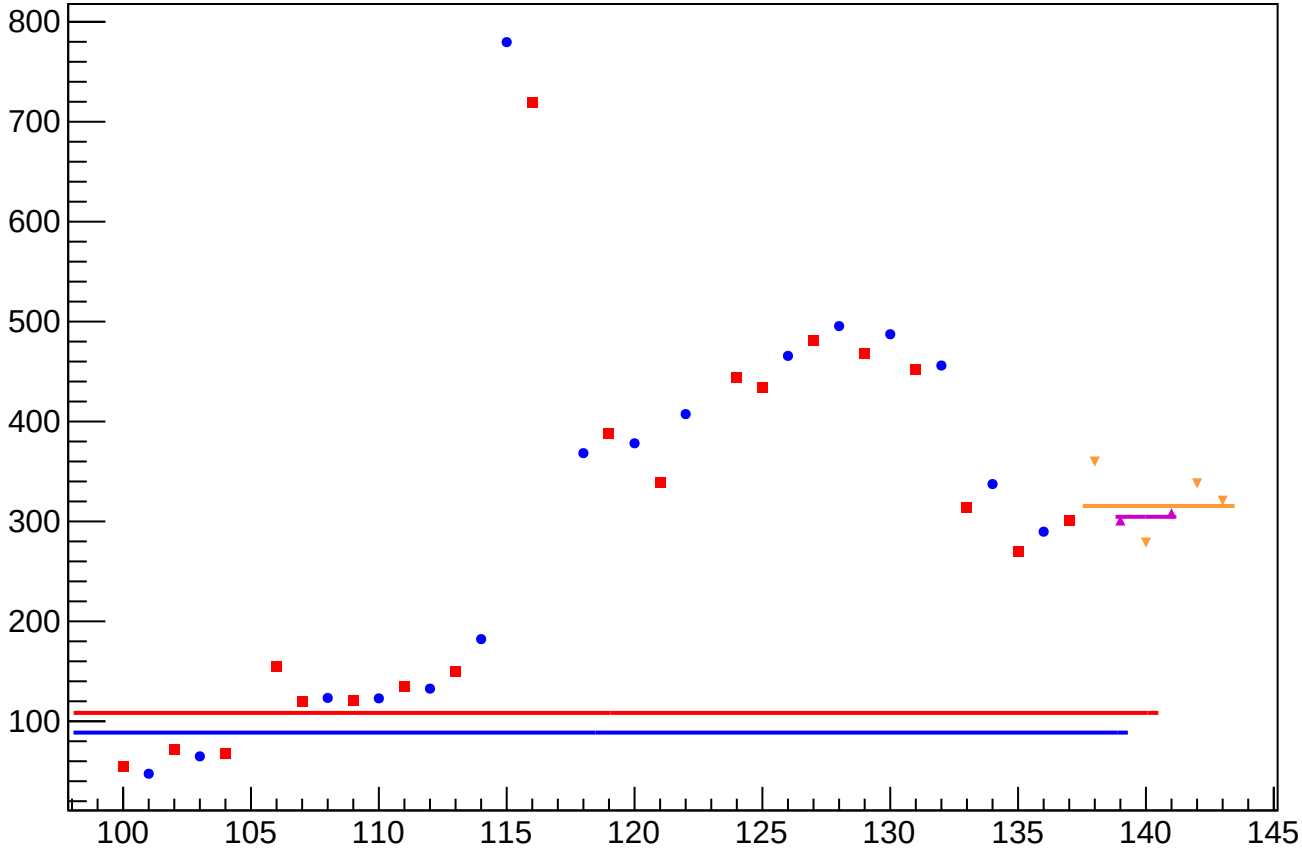
Left In: -238.645+/-232.948 χ^2/NDF:0.9/1

\+ sign 52.378+/-45.111 χ^2/NDF: 20.2/19

All: 35.740+/-33.237 χ^2/NDF: 40.7/40

\- sign 15.982+/-49.159 χ^2/NDF: 20.2/20

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 315.495+/-0.132 χ^2/NDF:56886.5/3

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

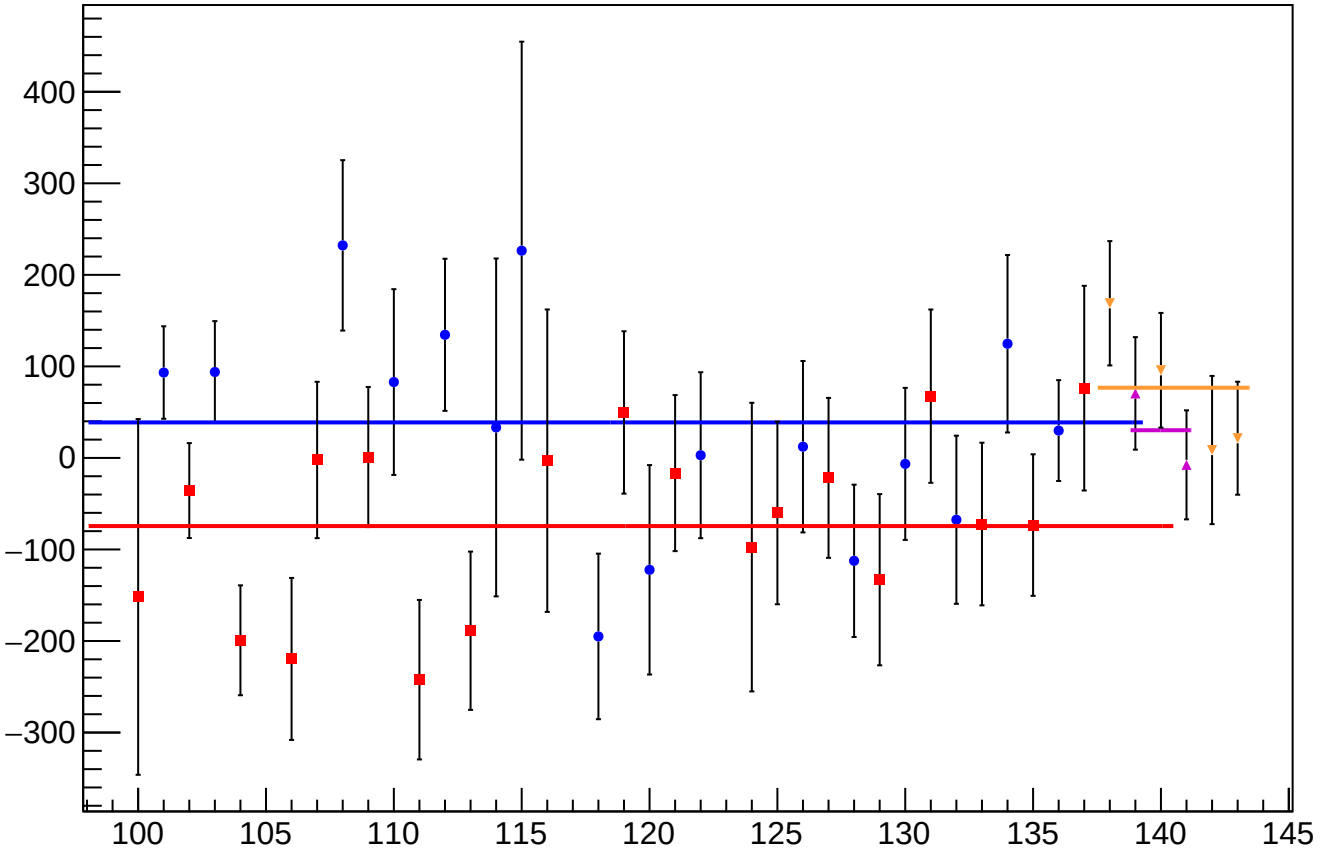
Left In: 304.635+/-0.165 χ^2/NDF:498.3/1

+ sign 101.814+/-0.032 χ^2/NDF: 9467816.8/19

All: 108.813+/-0.024 χ^2/NDF: 16292761.0/40

- sign 117.125+/-0.035 χ^2/NDF: 6719618.2/20

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.697+/-33.585 χ^2/NDF:3.4/3

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

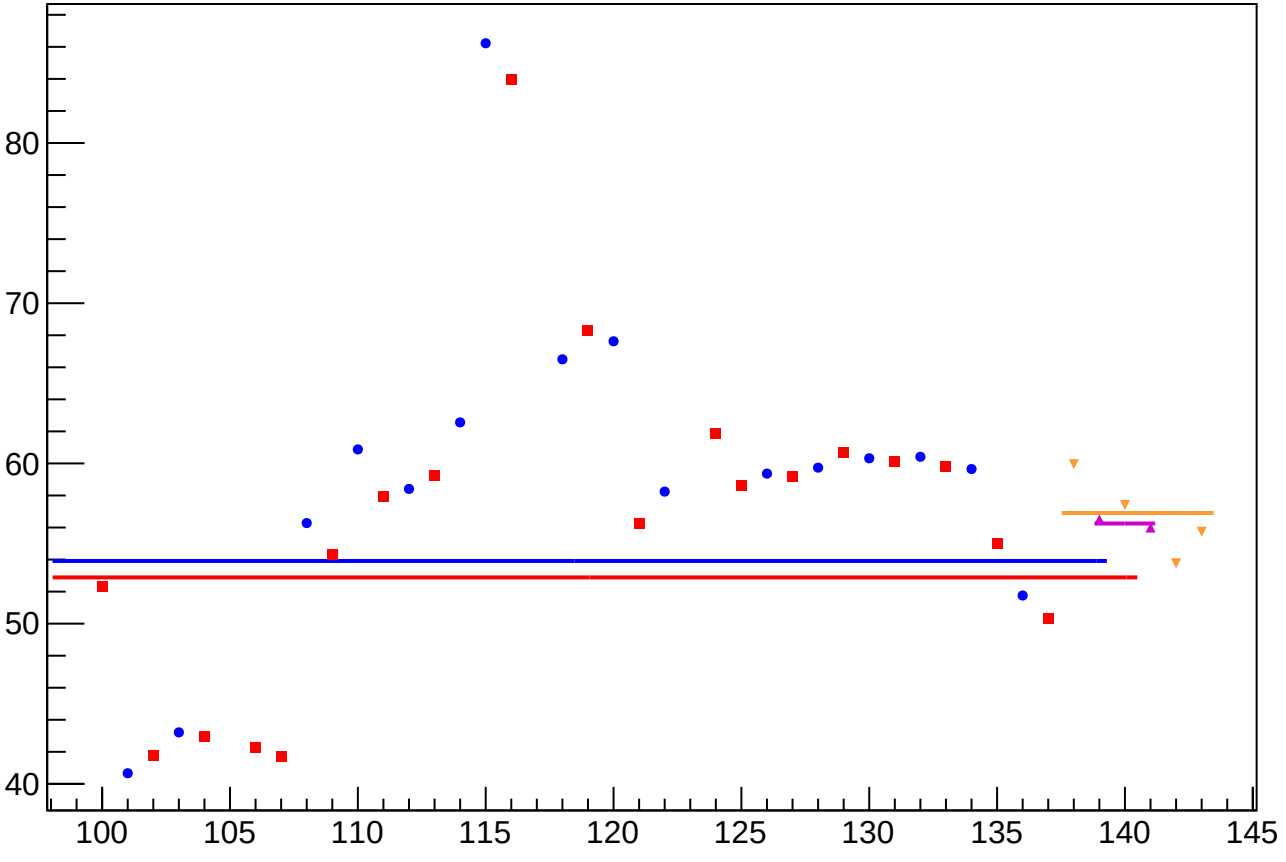
Left In: 30.251+/-42.769 χ^2/NDF:0.8/1

+ sign 49.019+/-17.444 χ^2/NDF: 27.7/19

All: -1.910+/-12.517 χ^2/NDF: 73.4/40

- sign -55.959+/-17.970 χ^2/NDF: 28.1/20

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 56.907+/-0.024 χ^2/NDF:7882.8/3

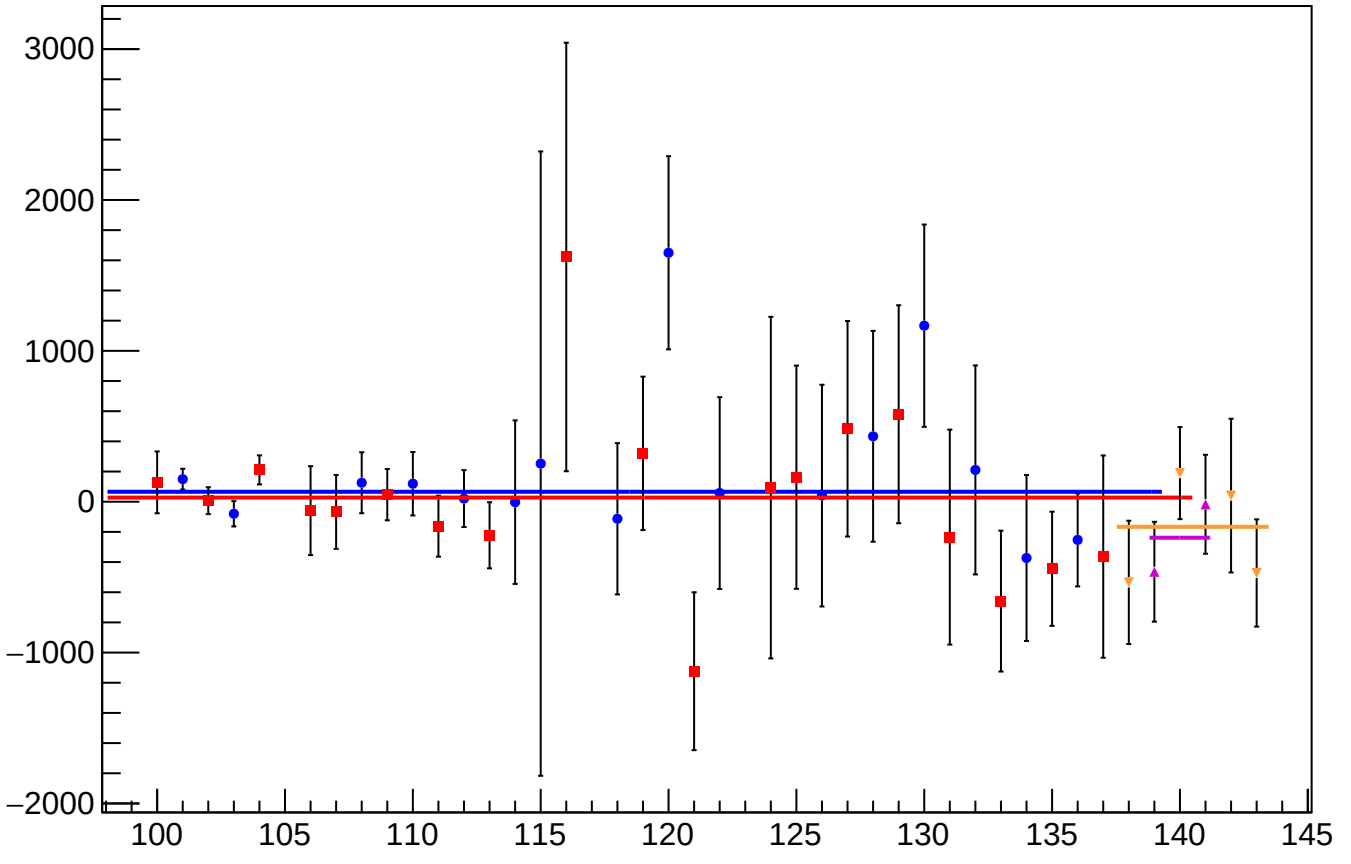
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.250+/-0.030 χ^2/NDF:72.6/1

+ sign 54.720+/-0.012 χ^2/NDF: 412754.1/19

All: 54.119+/-0.009 χ^2/NDF: 853446.8/40

- sign 53.481+/-0.013 χ^2/NDF: 435793.4/20



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -166.488+/-187.316 χ^2/NDF:3.1/3

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

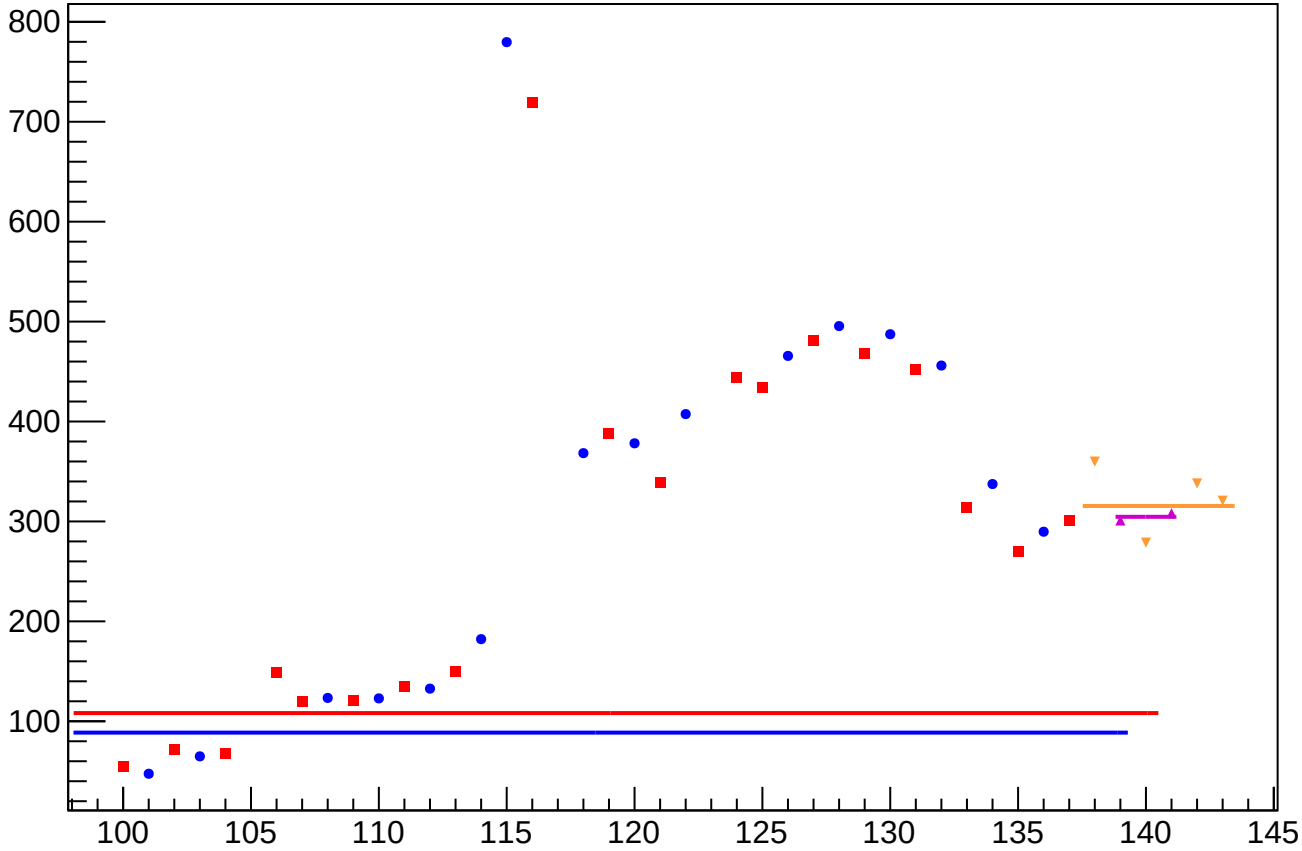
Left In: -238.644+/-232.948 χ^2/NDF:0.9/1

+ sign 52.382+/-45.110 χ^2/NDF: 20.2/19

All: 35.543+/-33.224 χ^2/NDF: 40.7/40

- sign 15.577+/-49.119 χ^2/NDF: 20.2/20

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 315.495+/-0.132 χ^2/NDF:56886.7/3

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

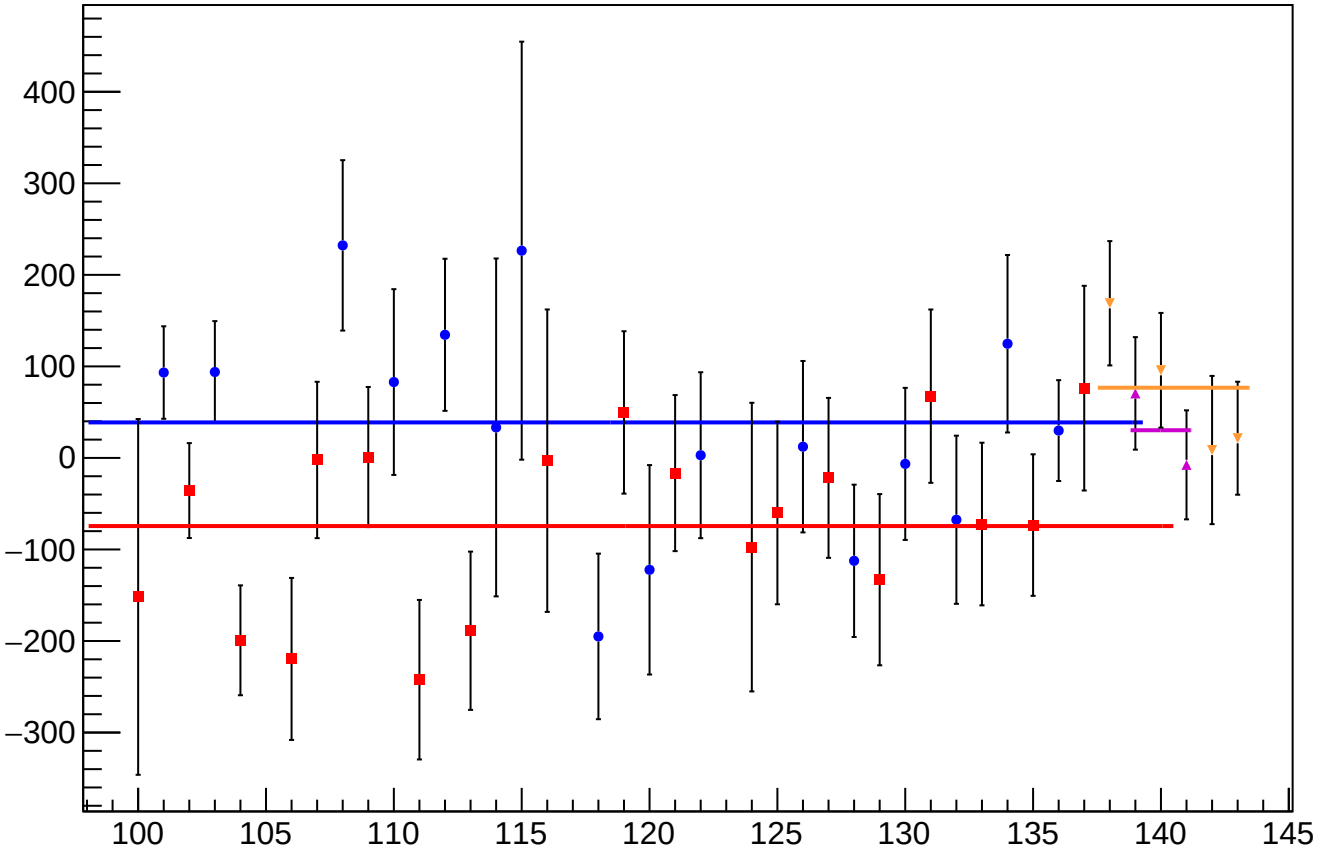
Left In: 304.636+/-0.165 χ^2/NDF:498.4/1

+ sign 101.811+/-0.032 χ^2/NDF: 9467966.1/19

All: 108.733+/-0.023 χ^2/NDF: 16285111.1/40

- sign 116.940+/-0.035 χ^2/NDF: 6714214.1/20

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.697+/-33.585 χ^2/NDF:3.4/3

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

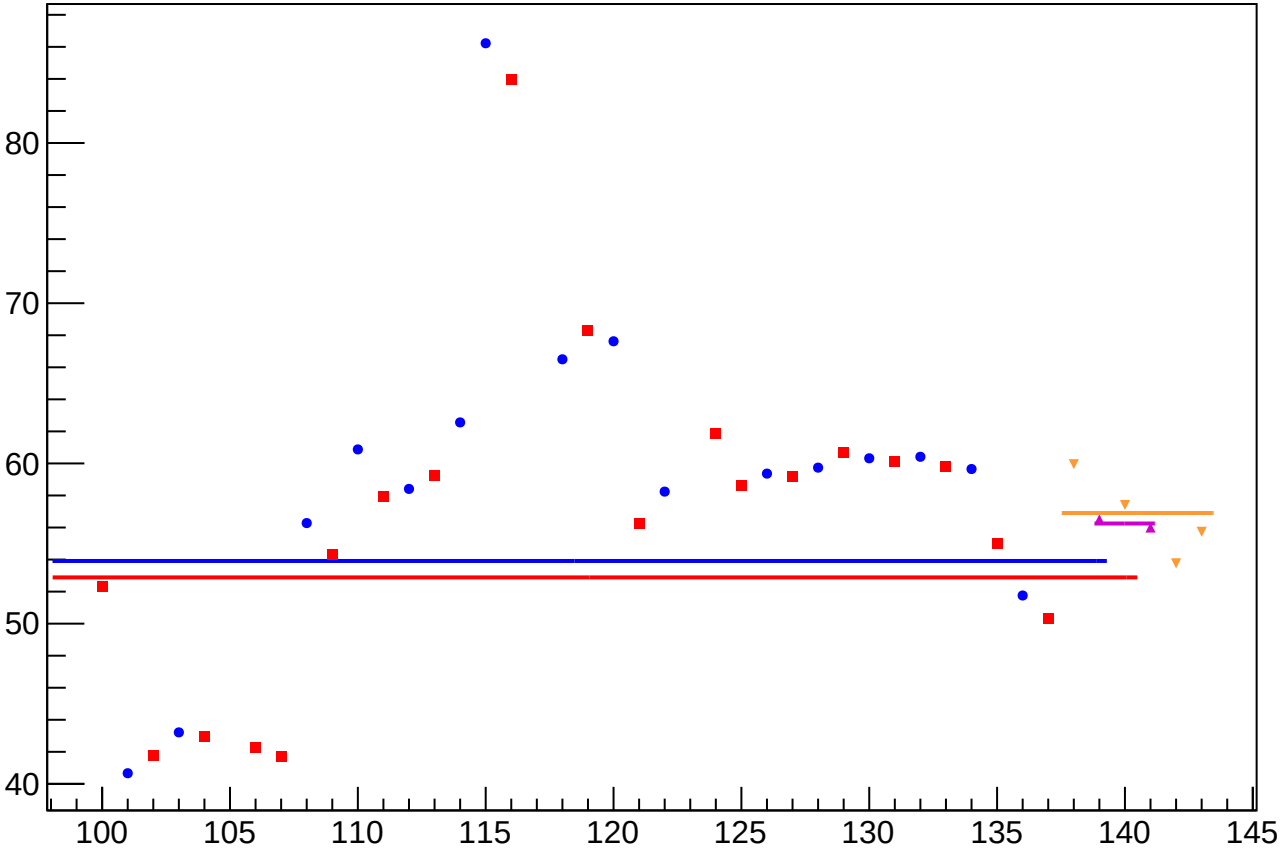
Left In: 30.251+/-42.769 χ^2/NDF:0.8/1

+ sign 49.019+/-17.444 χ^2/NDF: 27.7/19

All: -1.910+/-12.517 χ^2/NDF: 73.4/40

- sign -55.959+/-17.970 χ^2/NDF: 28.1/20

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 56.907+/-0.024 χ^2/NDF:7882.8/3

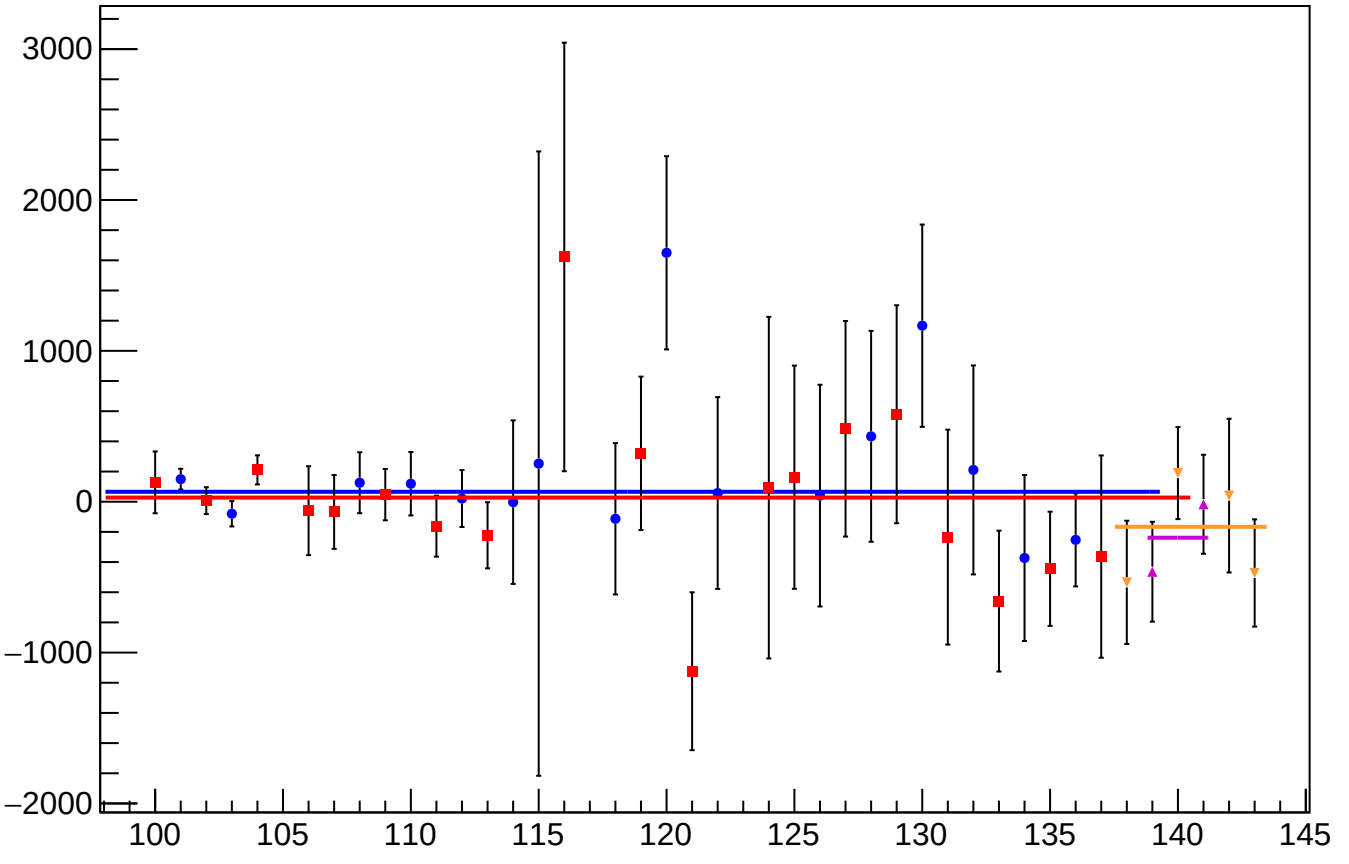
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.250+/-0.030 χ^2/NDF:72.6/1

+ sign 54.720+/-0.012 χ^2/NDF: 412754.1/19

All: 54.119+/-0.009 χ^2/NDF: 853446.8/40

- sign 53.481+/-0.013 χ^2/NDF: 435793.4/20



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -166.488+/-187.316 χ^2/NDF:3.1/3

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

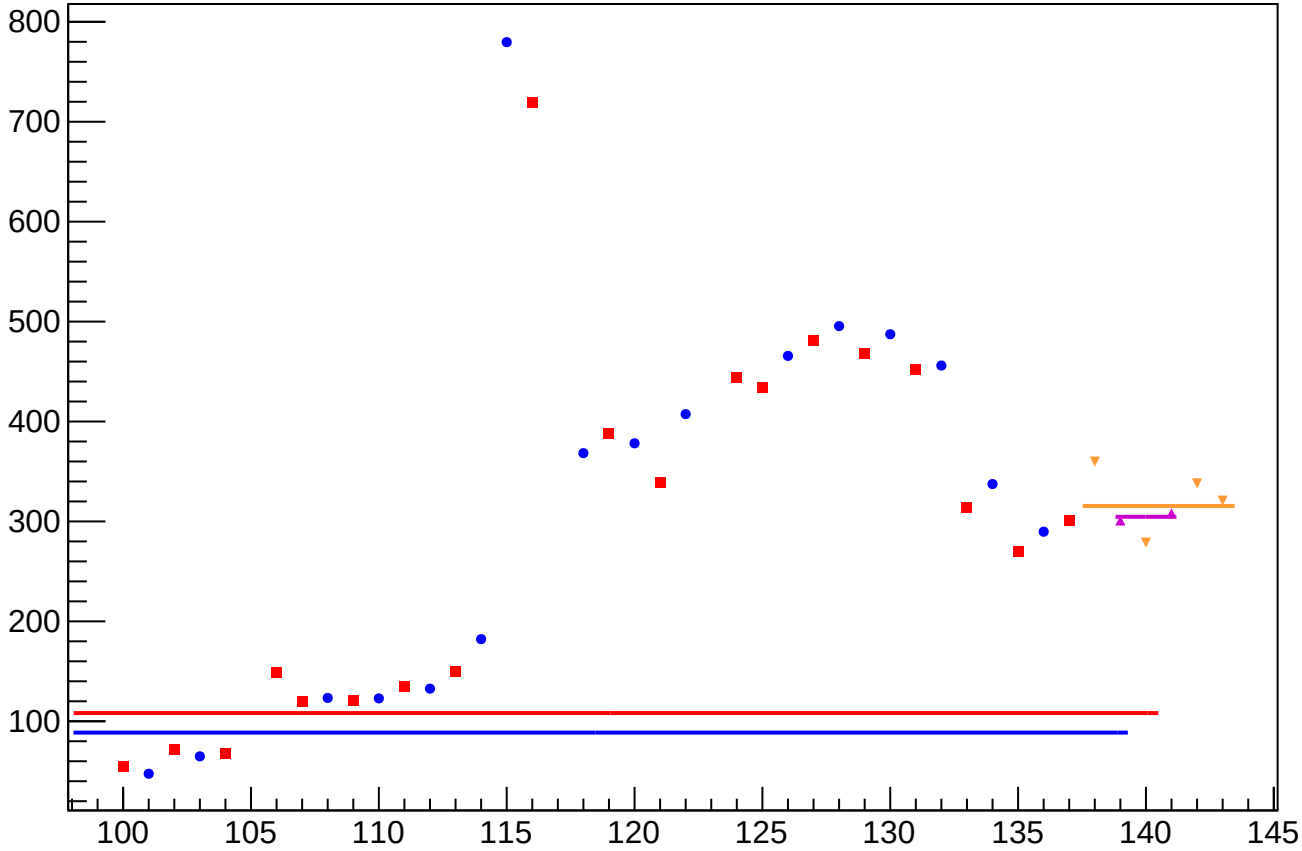
Left In: -238.644+/-232.948 χ^2/NDF:0.9/1

+ sign 52.382+/-45.110 χ^2/NDF: 20.2/19

All: 35.543+/-33.224 χ^2/NDF: 40.7/40

- sign 15.577+/-49.119 χ^2/NDF: 20.2/20

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 315.495+/-0.132 χ^2/NDF:56886.7/3

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

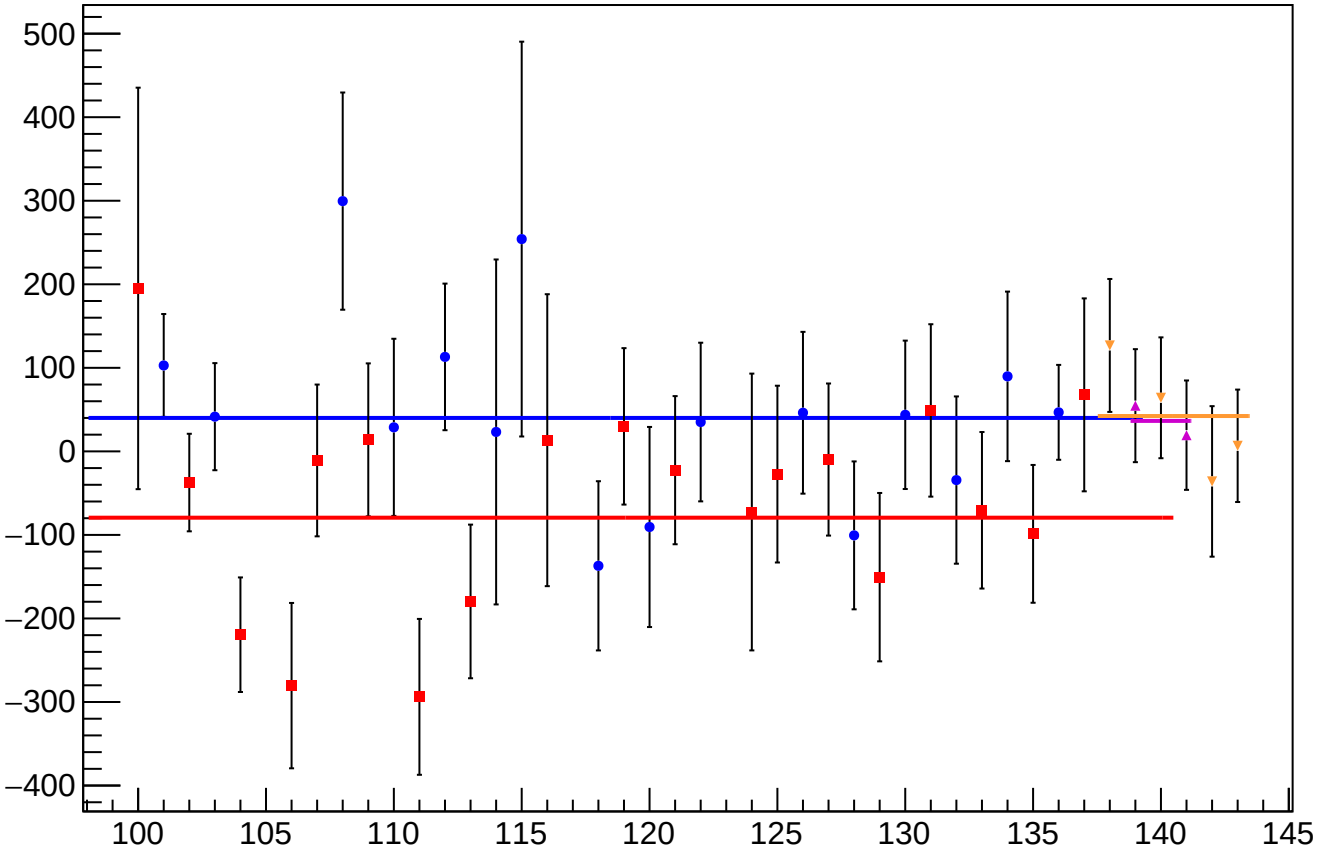
Left In: 304.636+/-0.165 χ^2/NDF:498.4/1

+ sign 101.811+/-0.032 χ^2/NDF: 9467966.1/19

All: 108.733+/-0.023 χ^2/NDF: 16285111.1/40

- sign 116.940+/-0.035 χ^2/NDF: 6714214.1/20

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 42.305+/-37.982 χ^2/NDF:2.3/3

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

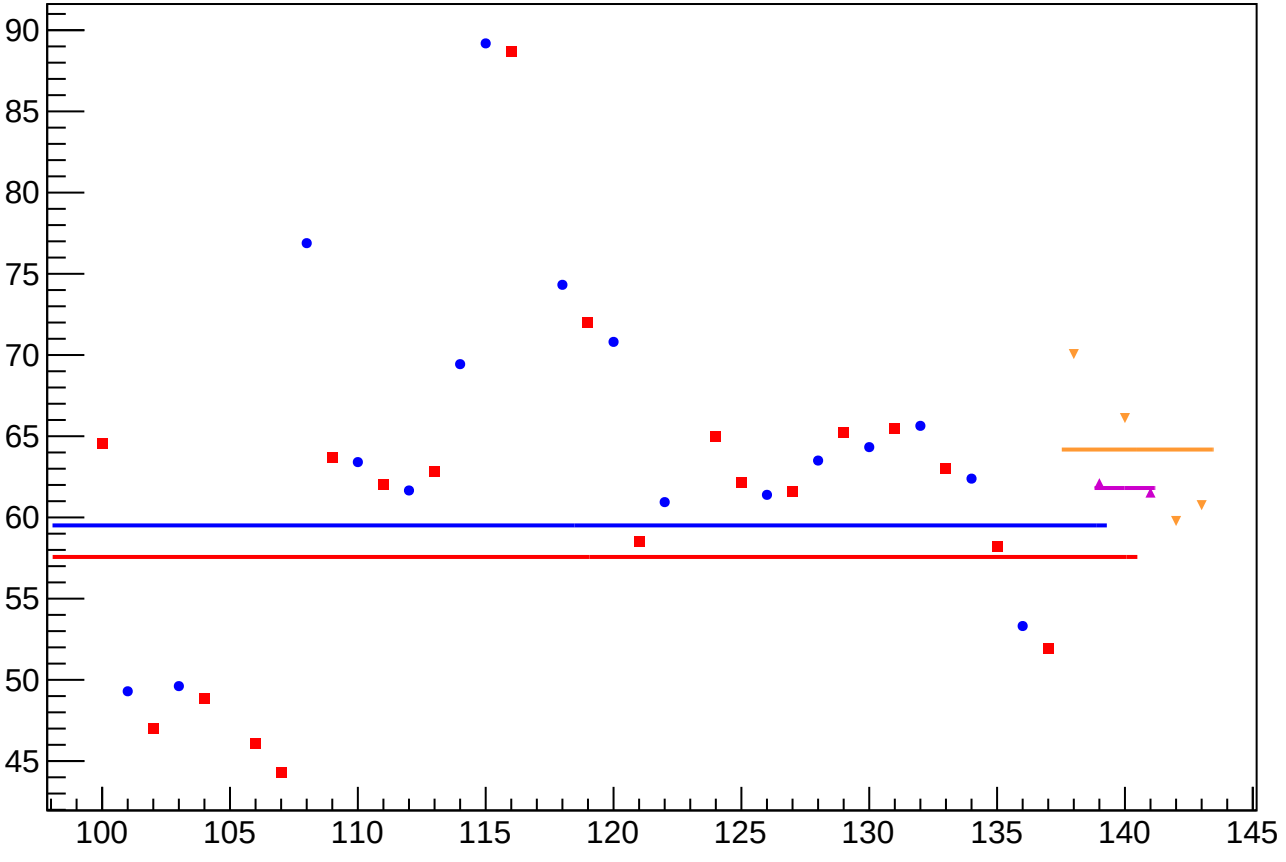
Left In: 36.479+/-47.039 χ^2/NDF:0.1/1

+ sign 40.622+/-19.368 χ^2/NDF: 16.4/19

All: -8.682+/-13.781 χ^2/NDF: 59.5/40

- sign -59.238+/-19.612 χ^2/NDF: 30.0/20

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.180+/-0.027 χ^2/NDF:22299.6/3

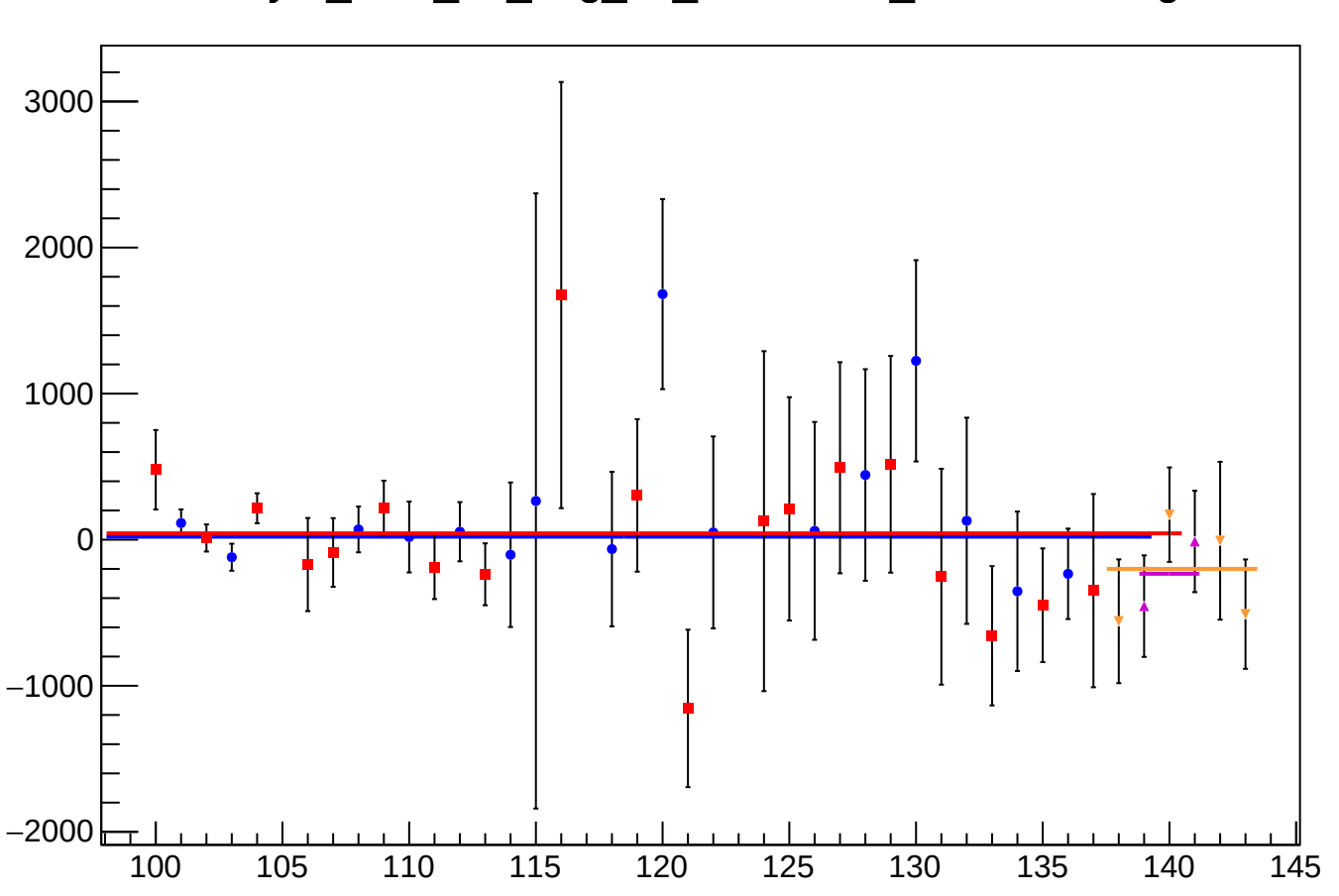
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 61.812+/-0.033 χ^2/NDF:75.7/1

+ sign 60.723+/-0.014 χ^2/NDF: 327876.3/19

All: 59.529+/-0.010 χ^2/NDF: 704183.8/40

- sign 58.305+/-0.014 χ^2/NDF: 360908.5/20



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -199.653+/-197.274 χ^2/NDF:2.8/3

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

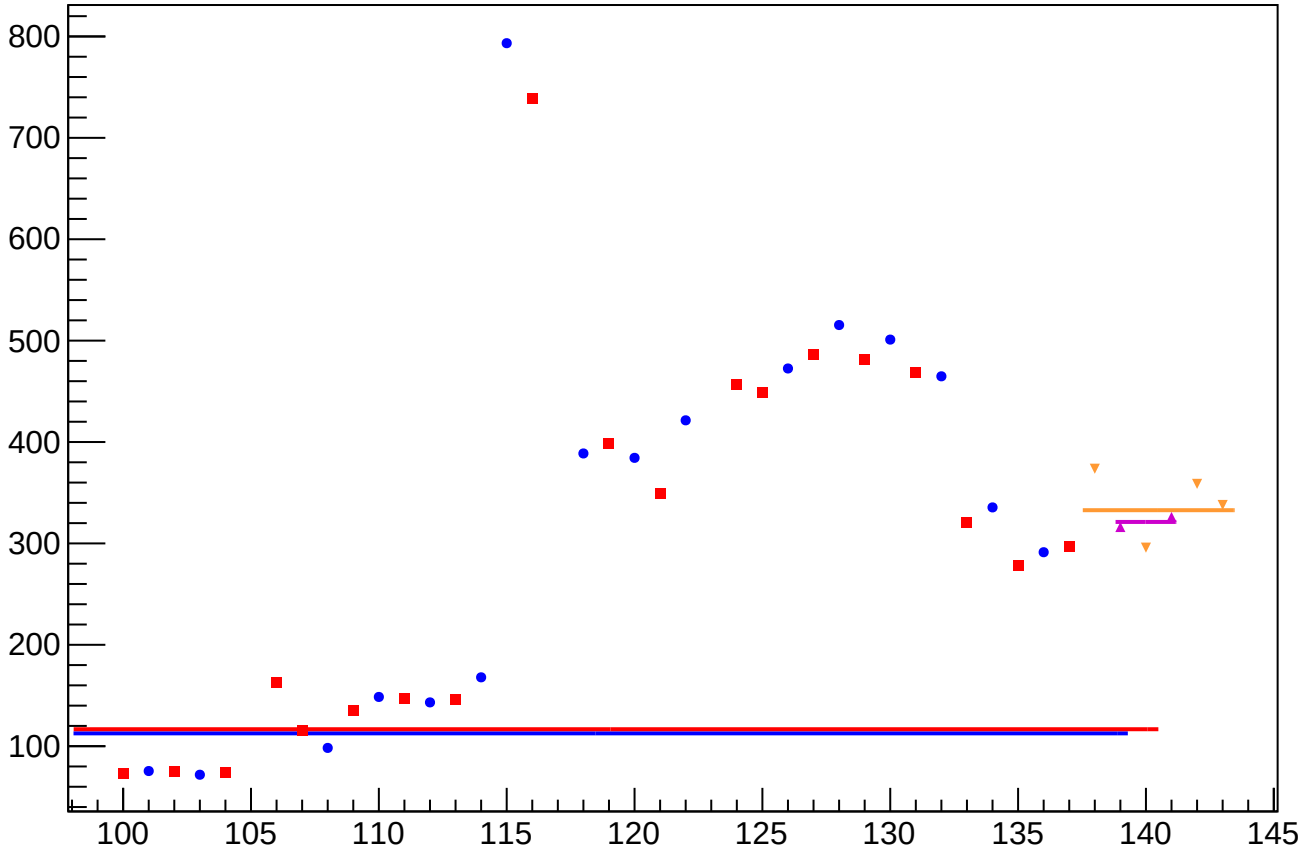
Left In: -233.051+/-245.503 χ^2/NDF:0.8/1

+ sign 5.690+/-51.711 χ^2/NDF: 18.6/19

All: 18.206+/-36.668 χ^2/NDF: 42.3/40

- sign 30.864+/-52.003 χ^2/NDF: 23.5/20

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 332.756+/-0.139 χ^2/NDF:49740.9/3

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

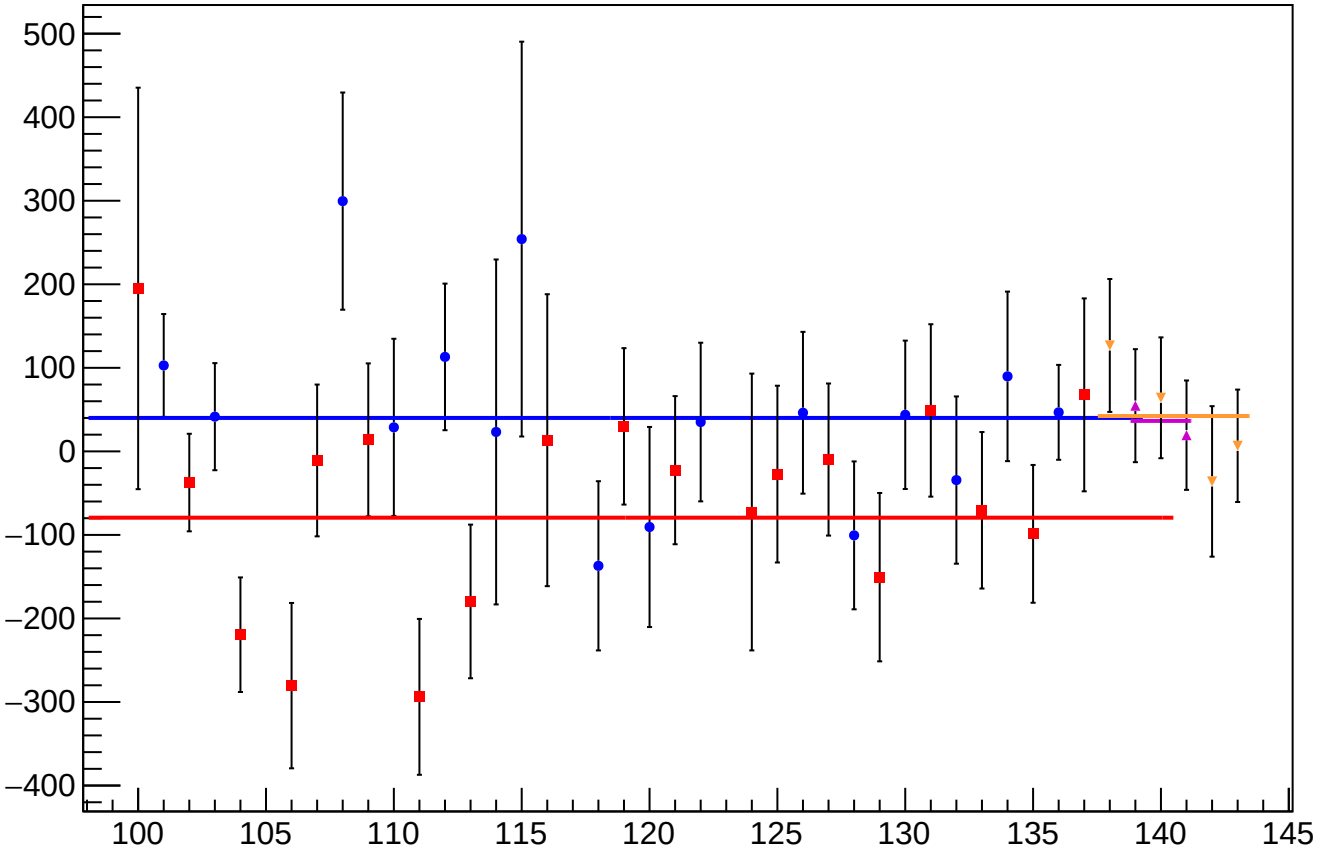
Left In: 321.172+/-0.174 χ^2/NDF:821.7/1

+ sign 127.791+/-0.037 χ^2/NDF: 7967689.1/19

All: 126.854+/-0.026 χ^2/NDF: 14435897.7/40

- sign 125.906+/-0.037 χ^2/NDF: 6466886.9/20

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 42.306+/-37.982 χ^2/NDF:2.3/3

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

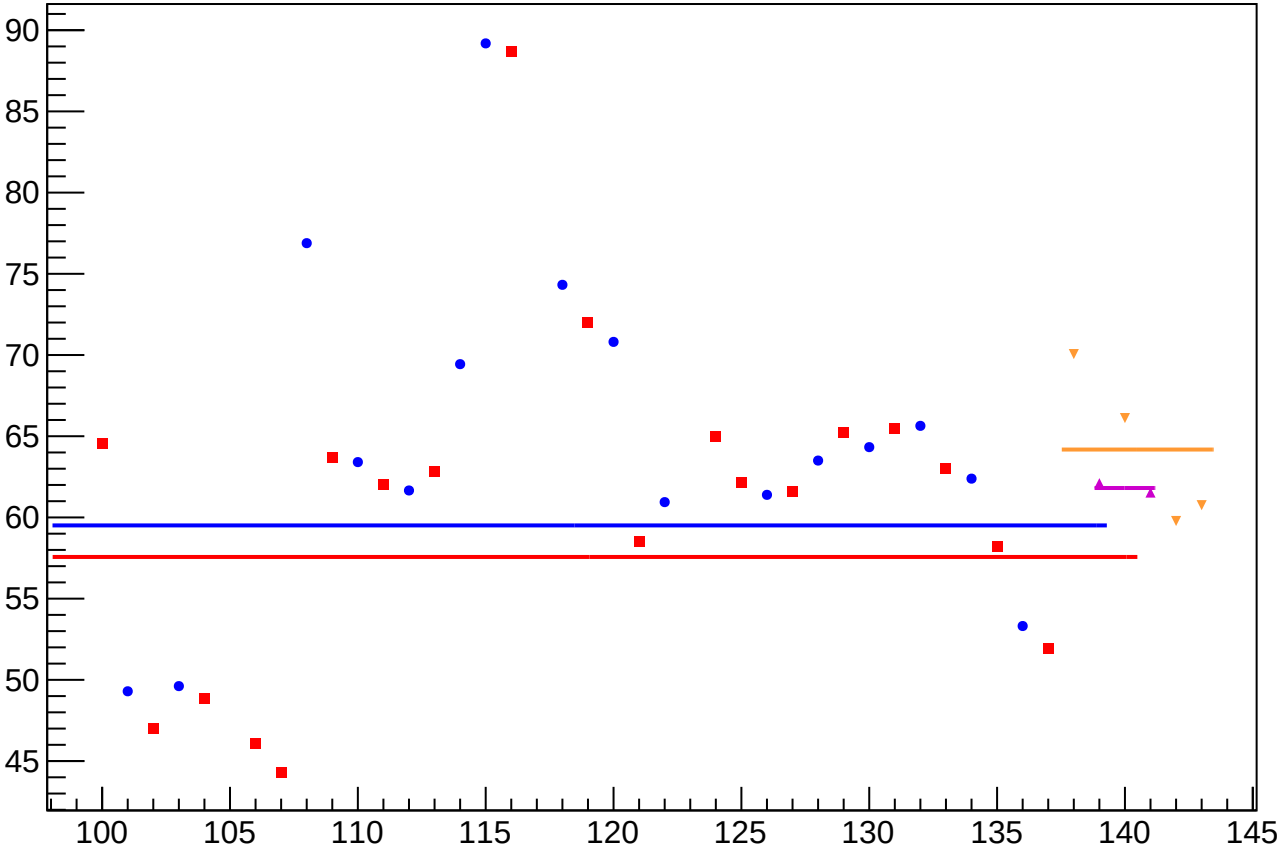
Left In: 36.478+/-47.039 χ^2/NDF:0.1/1

+ sign 40.622+/-19.368 χ^2/NDF: 16.4/19

All: -8.682+/-13.781 χ^2/NDF: 59.5/40

- sign -59.238+/-19.612 χ^2/NDF: 30.0/20

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.180+/-0.027 χ^2/NDF:22301.7/3

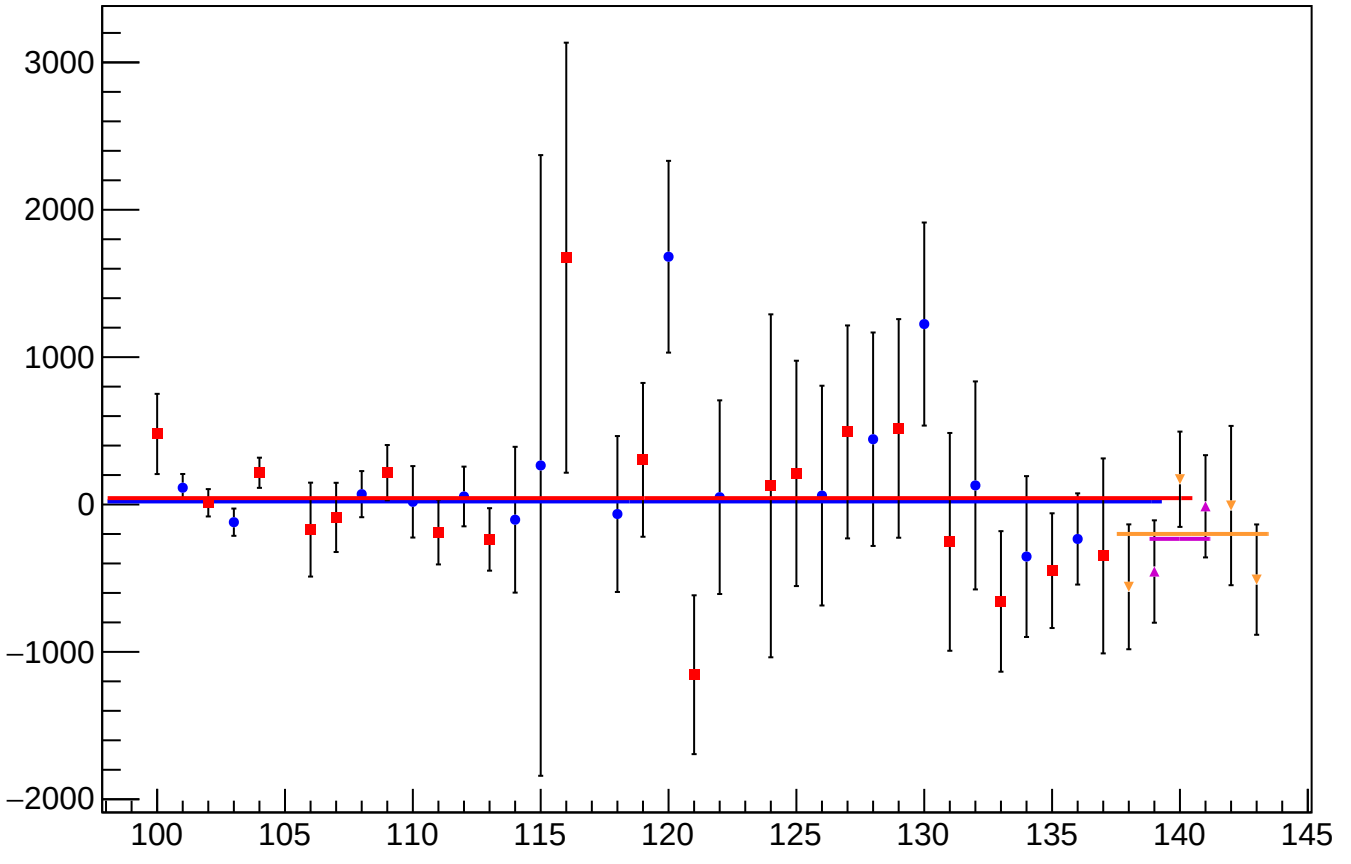
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 61.812+/-0.033 χ^2/NDF:75.7/1

\+ sign 60.723+/-0.014 χ^2/NDF: 327879.1/19

All: 59.529+/-0.010 χ^2/NDF: 704186.0/40

\- sign 58.305+/-0.014 χ^2/NDF: 360908.2/20



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -199.654+/-197.275 χ^2/NDF:2.8/3

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

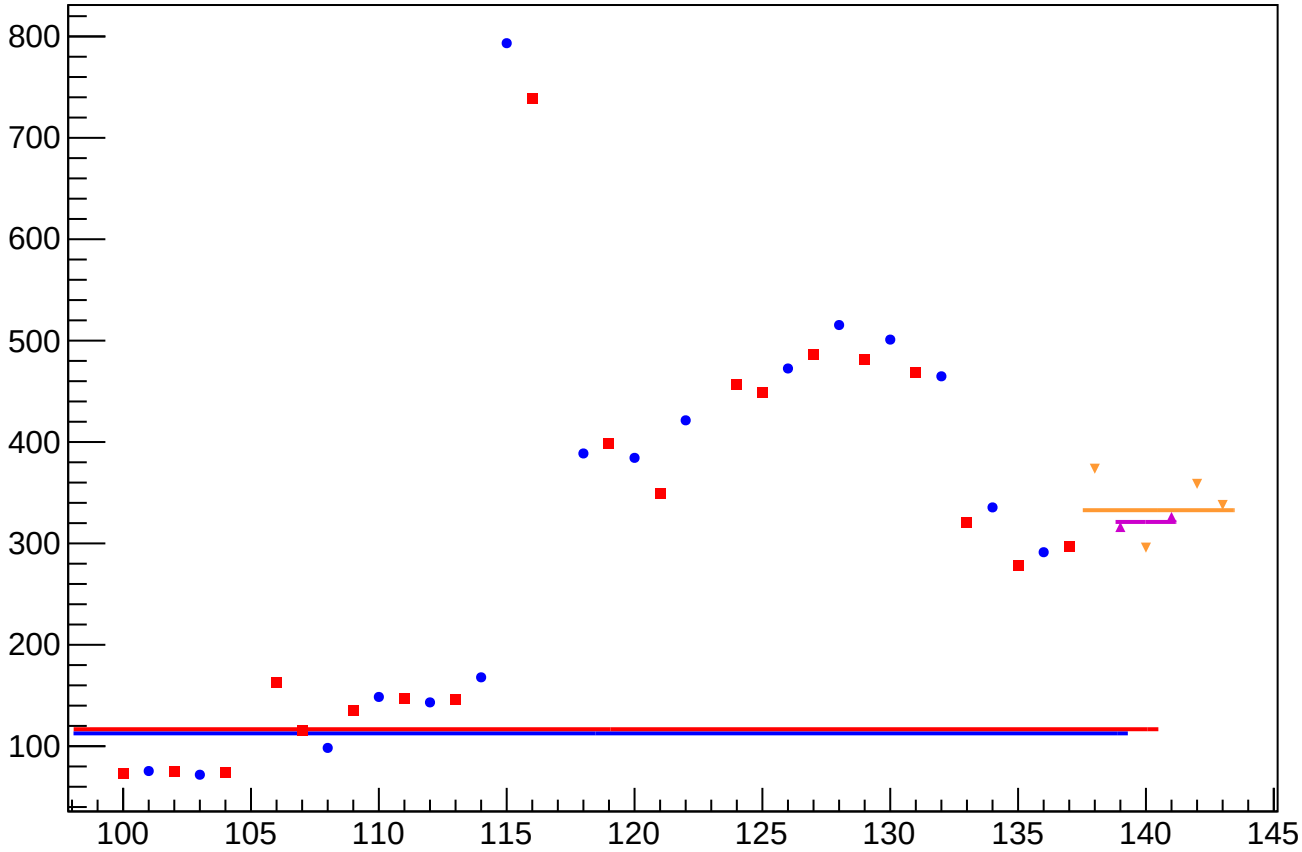
Left In: -233.052+/-245.504 χ^2/NDF:0.8/1

+ sign 5.689+/-51.711 χ^2/NDF: 18.6/19

All: 18.206+/-36.668 χ^2/NDF: 42.3/40

- sign 30.864+/-52.003 χ^2/NDF: 23.5/20

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 332.757+/-0.139 χ^2/NDF:49740.5/3

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

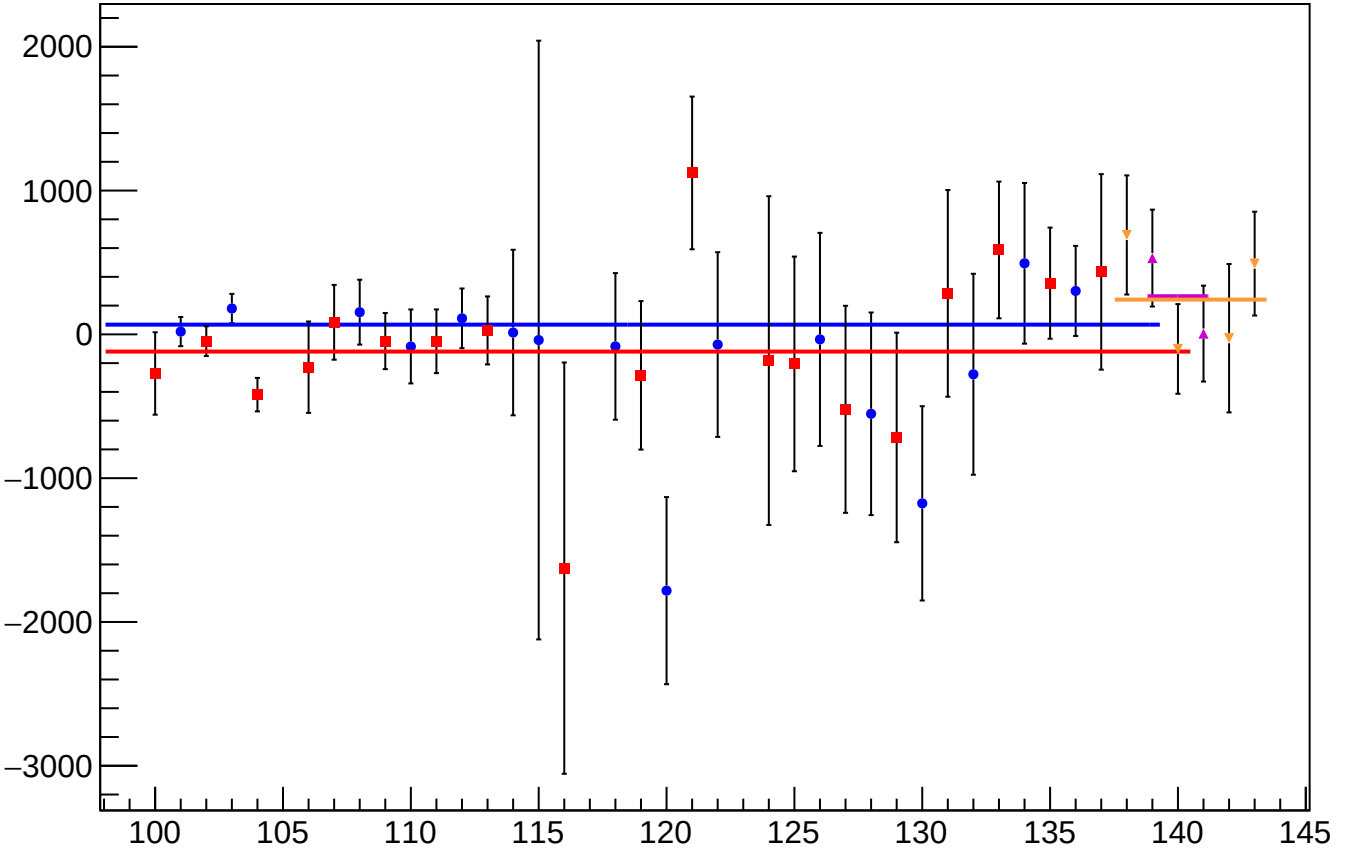
Left In: 321.174+/-0.174 χ^2/NDF:821.8/1

+ sign 127.791+/-0.037 χ^2/NDF: 7967700.3/19

All: 126.853+/-0.026 χ^2/NDF: 14435922.8/40

- sign 125.905+/-0.037 χ^2/NDF: 6466900.6/20

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 241.758+/-190.506 χ^2/NDF:3.1/3

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

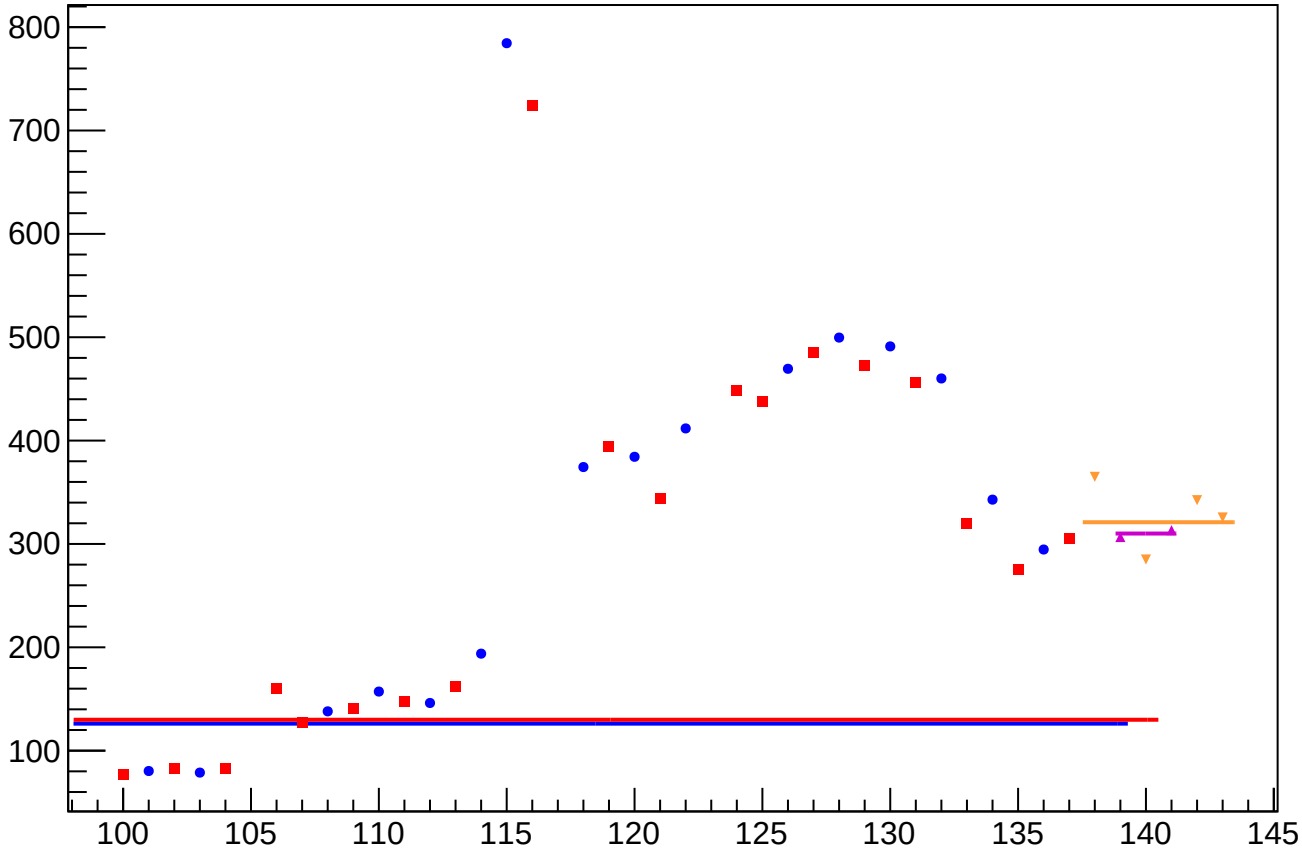
Left In: 265.202+/-237.009 χ^2/NDF:1.2/1

+ sign 82.941+/-56.506 χ^2/NDF: 19.7/19

All: -7.852+/-39.877 χ^2/NDF: 49.7/40

- sign -97.932+/-56.284 χ^2/NDF: 24.8/20

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 321.024+/-0.135 χ^2/NDF:52974.5/3

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

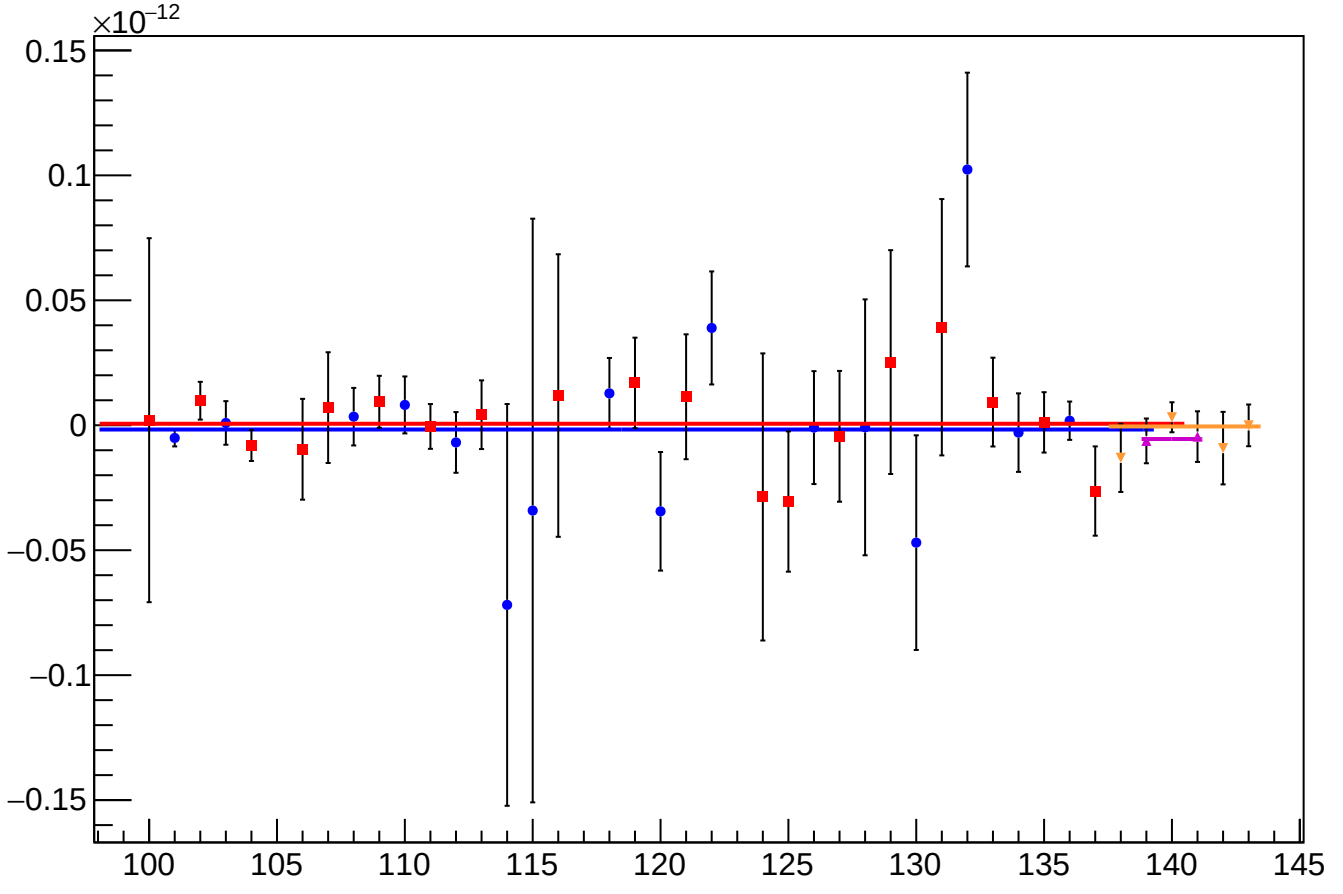
Left In: 310.070+/-0.168 χ^2/NDF:396.7/1

+ sign 143.298+/-0.040 χ^2/NDF: 7181675.3/19

All: 141.680+/-0.028 χ^2/NDF: 12923413.9/40

- sign 140.074+/-0.040 χ^2/NDF: 5738470.2/20

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:1.6/3

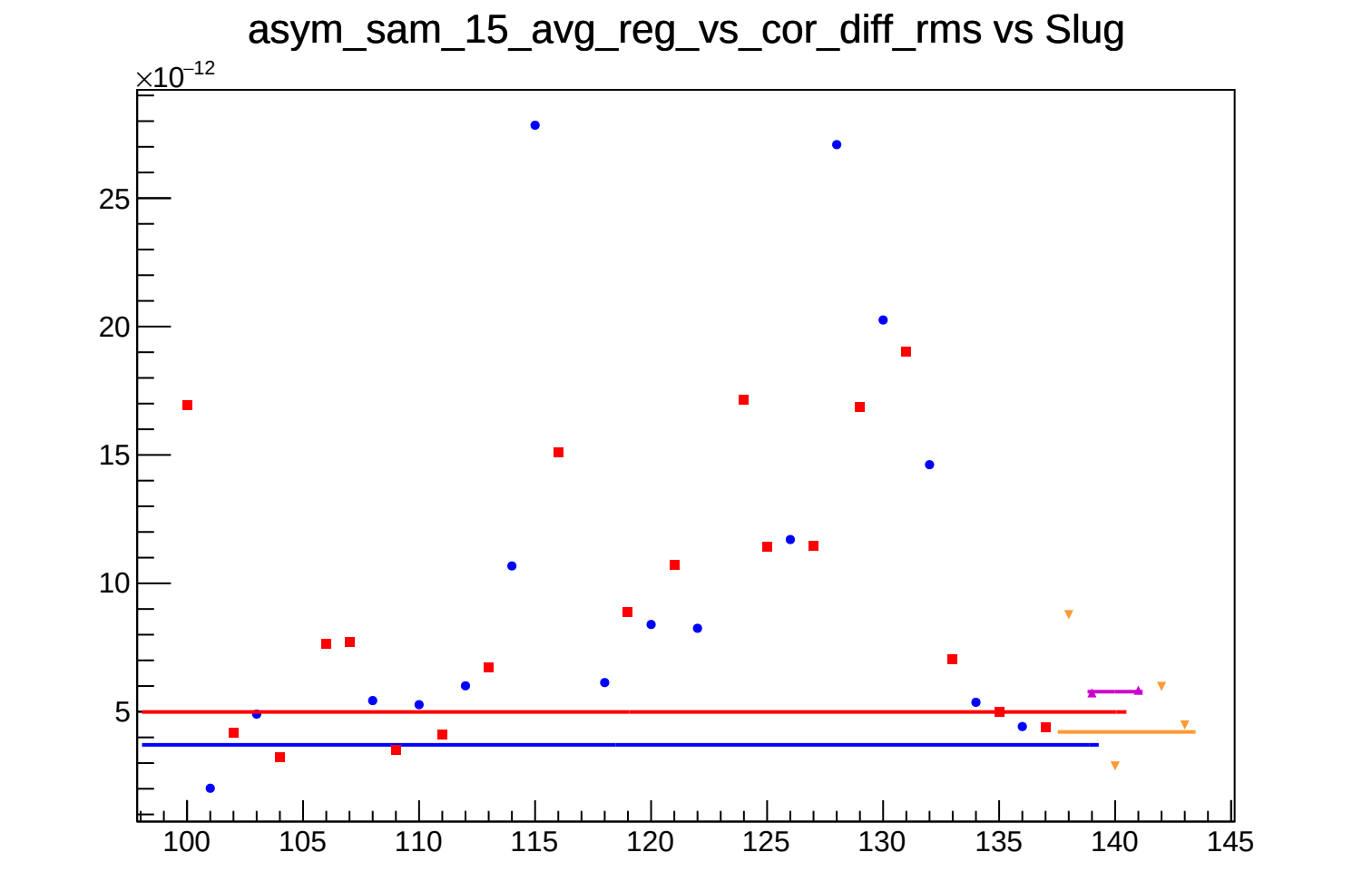
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.4/19

All: -0.000+/-0.000 χ^2/NDF: 30.7/40

- sign -0.000+/-0.000 χ^2/NDF: 11.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:353311.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

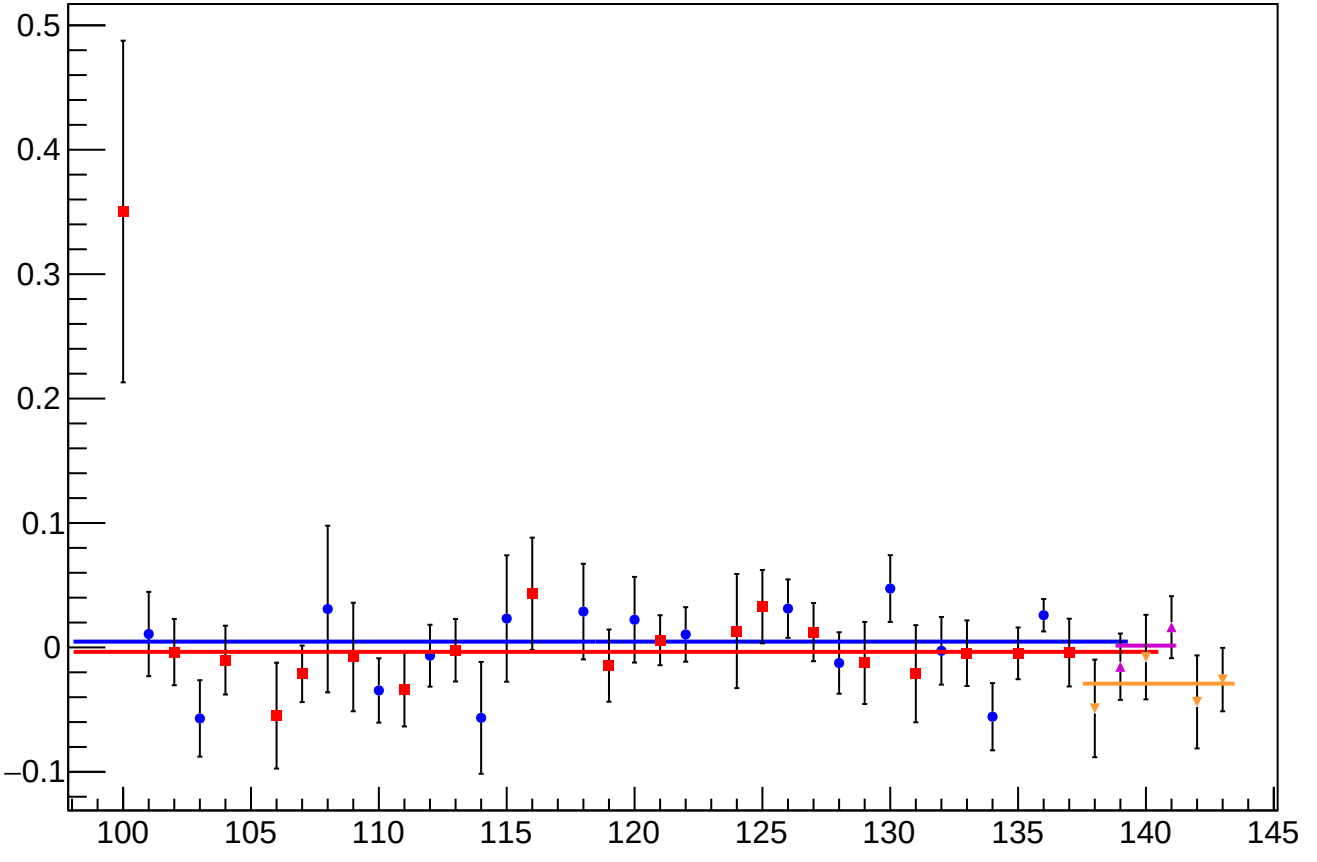
Left In: 0.000+/-0.000 χ^2/NDF:114.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 2545583.7/19

All: 0.000+/-0.000 χ^2/NDF: 4120744.0/40

- sign 0.000+/-0.000 χ^2/NDF: 1318033.7/20

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: -0.029+/-0.016 χ^2/NDF:0.8/3

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

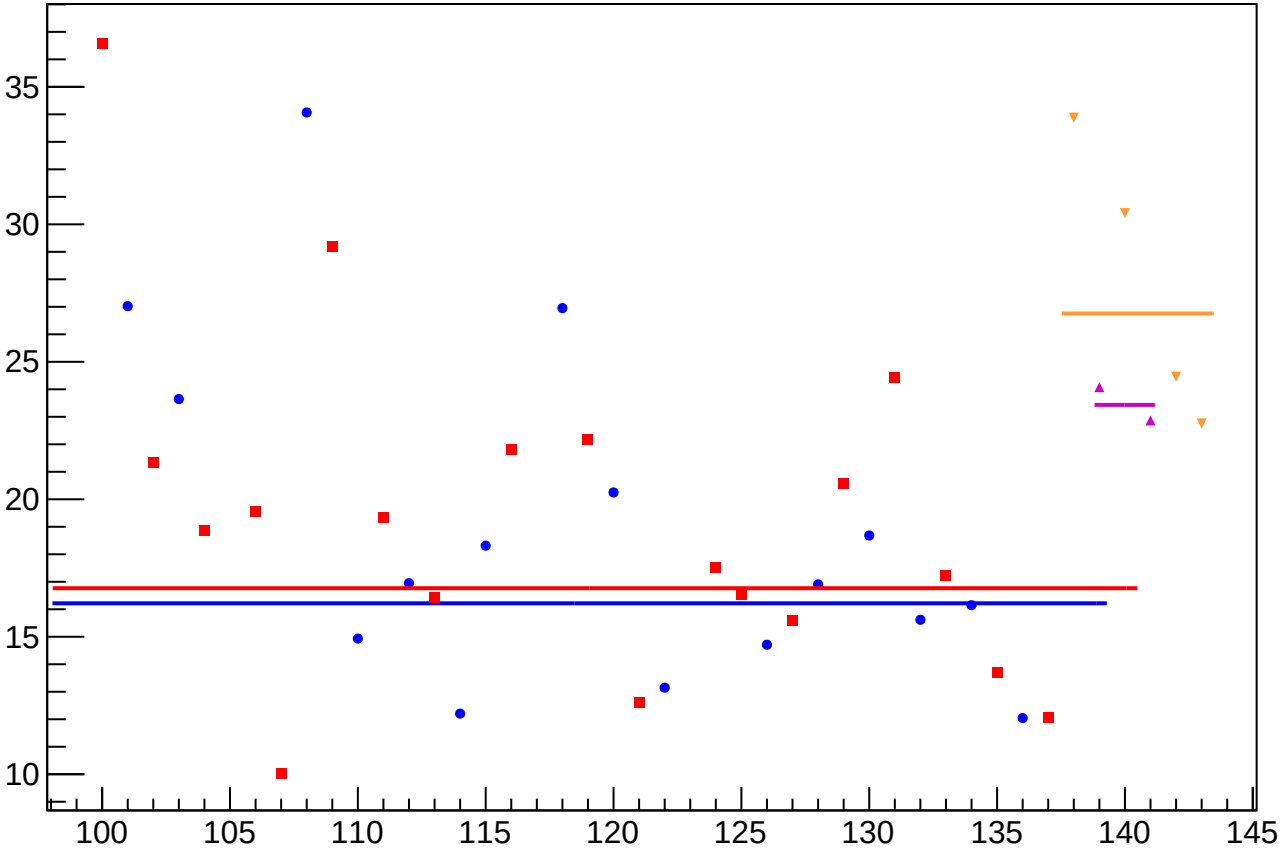
Left In: 0.001+/-0.018 χ^2/NDF:0.8/1

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/19

All: -0.001+/-0.004 χ^2/NDF: 40.5/40

- sign -0.003+/-0.006 χ^2/NDF: 14.4/20

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: 26.757+/-0.012 χ^2/NDF:145786.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

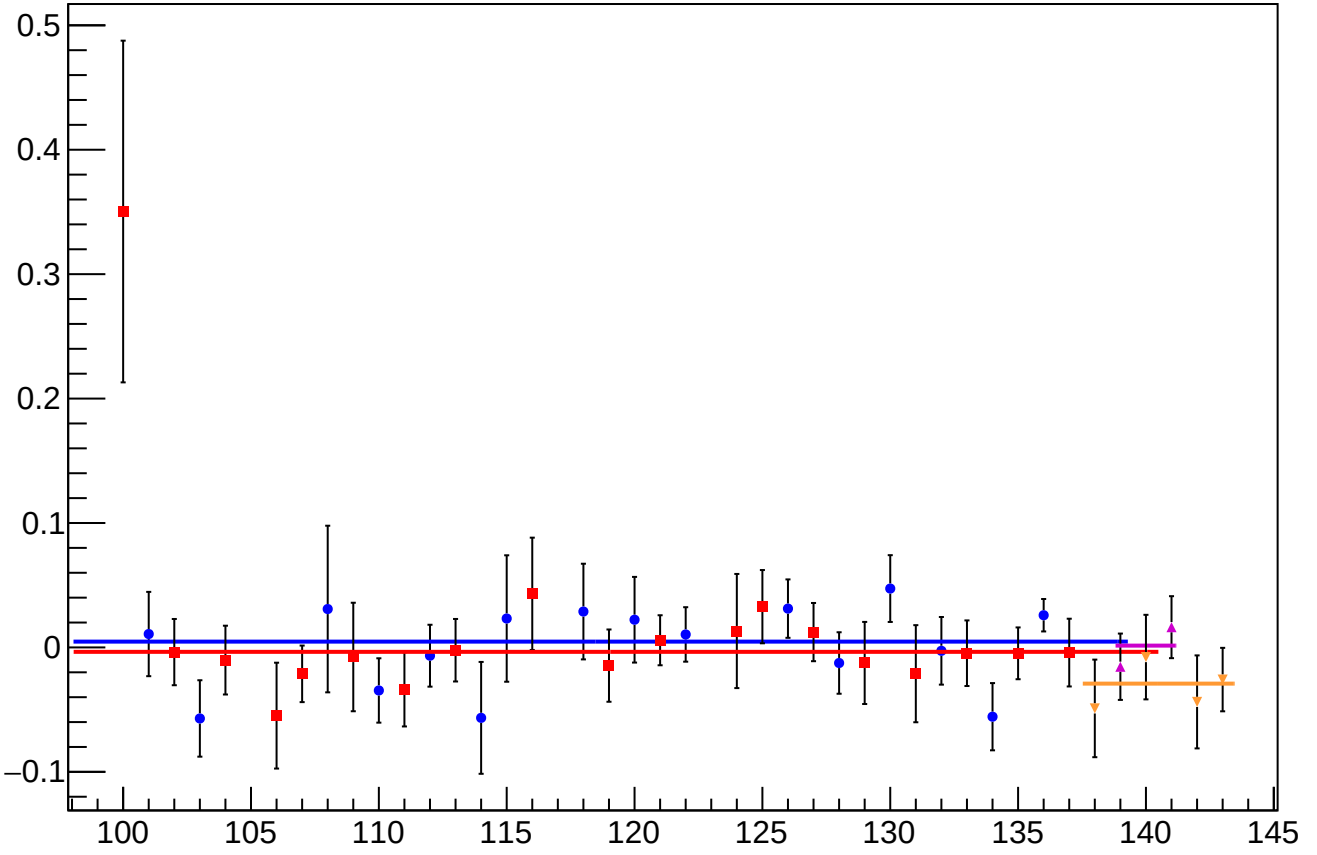
Left In: 23.433+/-0.013 χ^2/NDF:2199.4/1

+ sign 17.690+/-0.004 χ^2/NDF: 1810211.4/19

All: 17.620+/-0.003 χ^2/NDF: 2916585.9/40

- sign 17.546+/-0.004 χ^2/NDF: 1105832.4/20

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: -0.029+/-0.016 χ^2/NDF:0.8/3

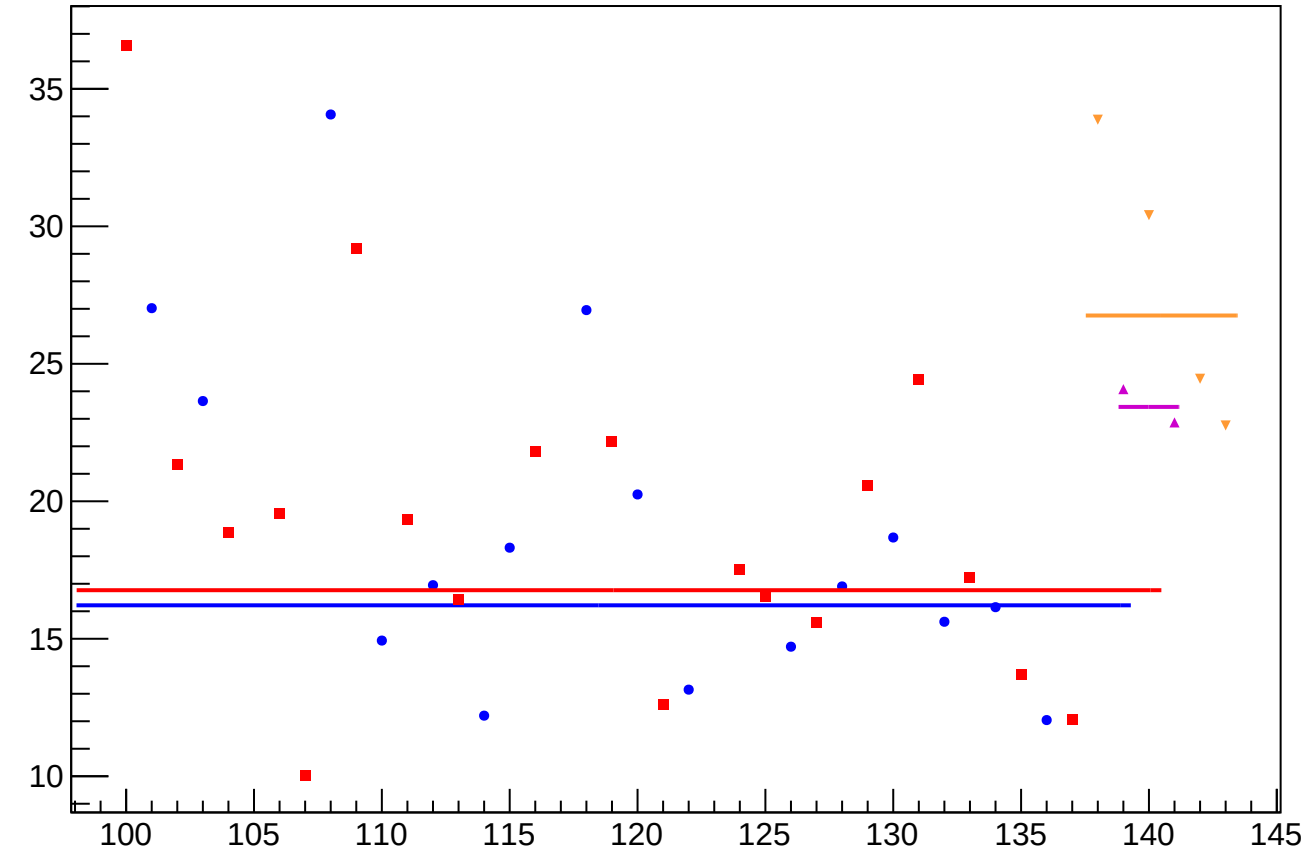
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.001+/-0.018 χ^2/NDF:0.8/1

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/19

All: -0.001+/-0.004 χ^2/NDF: 40.5/40

- sign -0.003+/-0.006 χ^2/NDF: 14.4/20



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 26.757+/-0.012 χ^2/NDF:145786.5/3

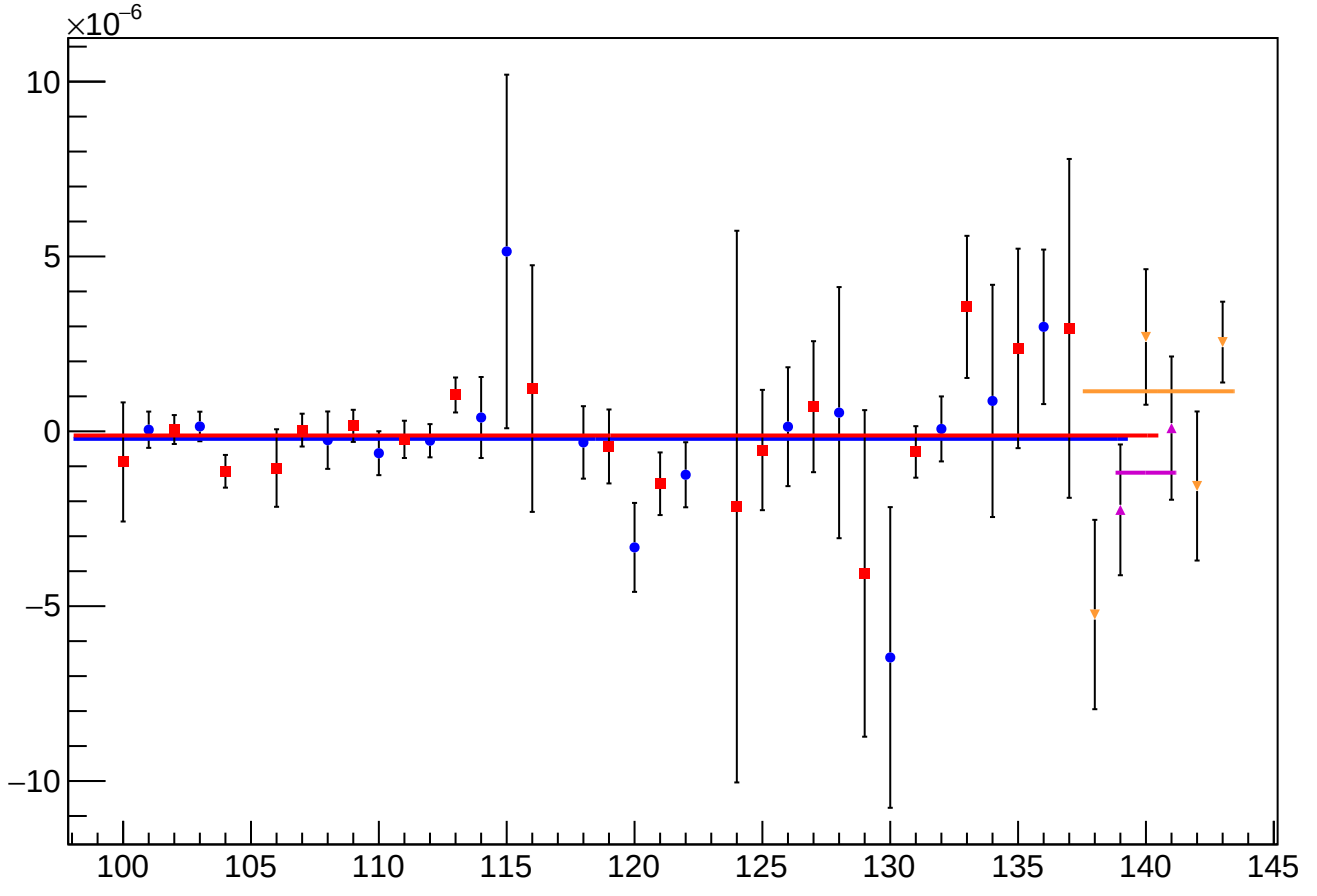
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 23.433+/-0.013 χ^2/NDF:2199.4/1

+ sign 17.690+/-0.004 χ^2/NDF: 1810211.4/19

All: 17.620+/-0.003 χ^2/NDF: 2916585.9/40

- sign 17.546+/-0.004 χ^2/NDF: 1105832.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/3

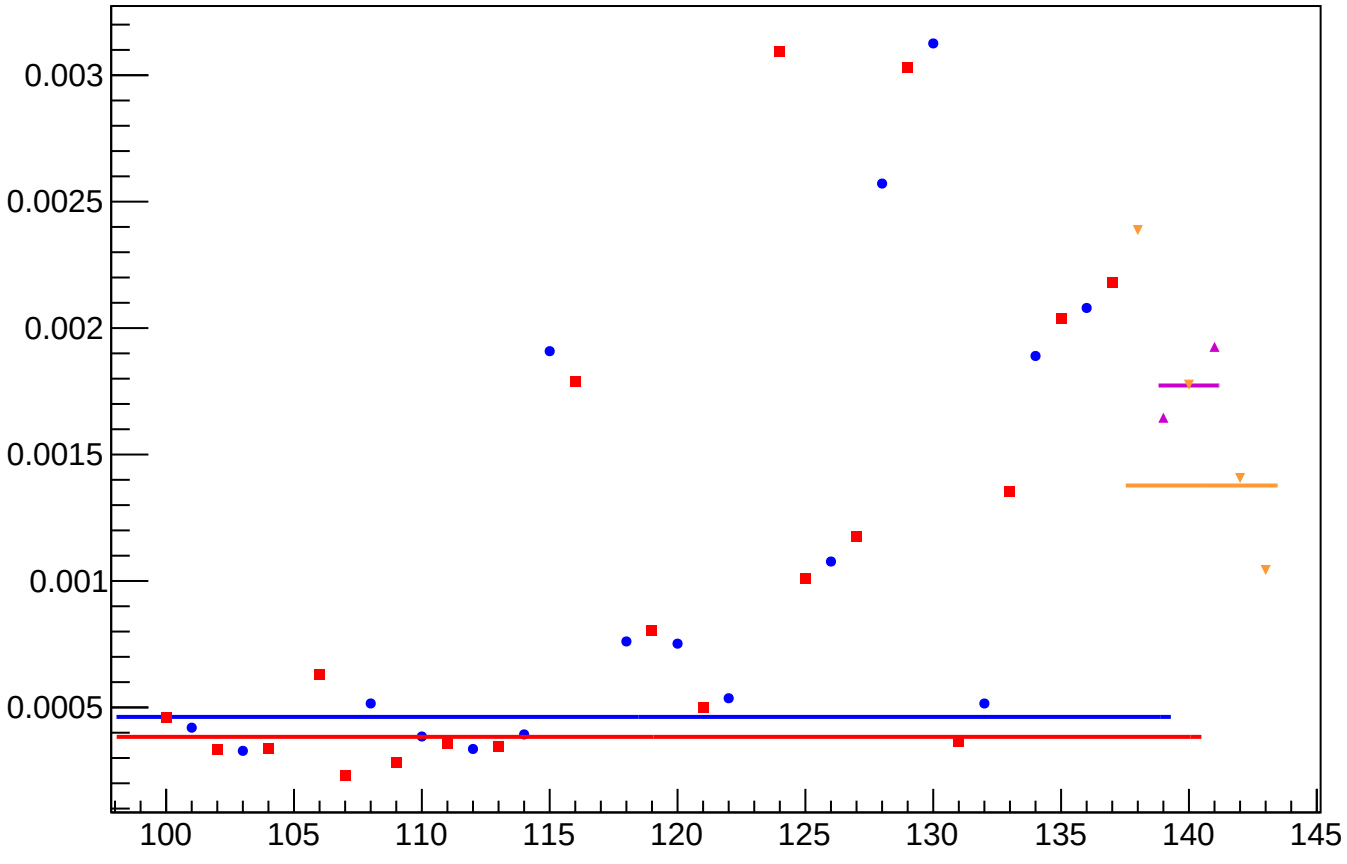
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

+ sign -0.000+/-0.000 χ^2/NDF: 26.2/19

All: -0.000+/-0.000 χ^2/NDF: 47.7/40

- sign -0.000+/-0.000 χ^2/NDF: 21.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:530820.7/3

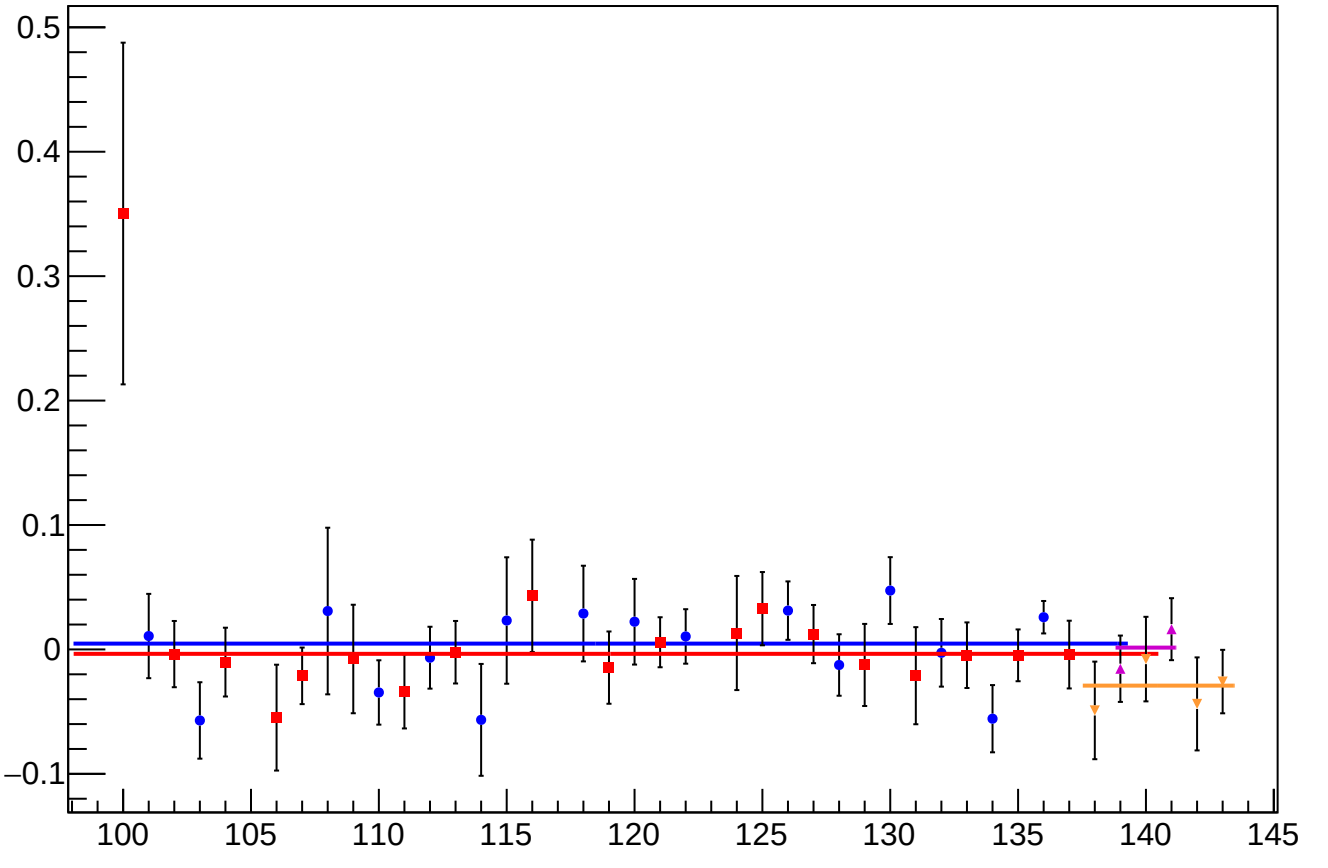
Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.002+/-0.000 χ^2/NDF:20430.3/1

+ sign 0.001+/-0.000 χ^2/NDF: 6715312.6/19

All: 0.000+/-0.000 χ^2/NDF: 13123607.5/40

- sign 0.000+/-0.000 χ^2/NDF: 6071735.4/20



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

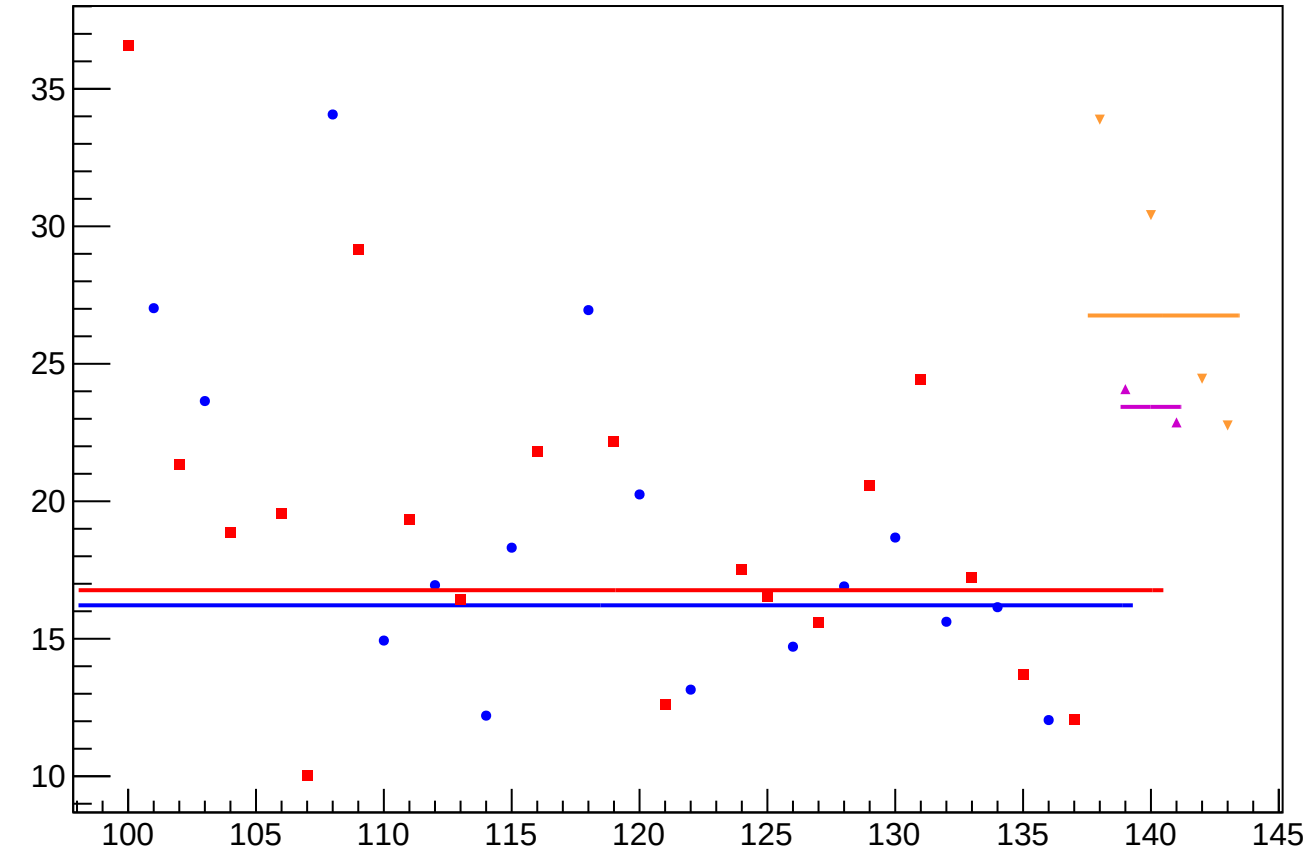
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.001+/-0.018 χ^2/NDF:0.8/1

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/19

All: -0.001+/-0.004 χ^2/NDF: 40.5/40

- sign -0.003+/-0.006 χ^2/NDF: 14.4/20



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 26.757+/-0.012 χ^2/NDF:145824.5/3

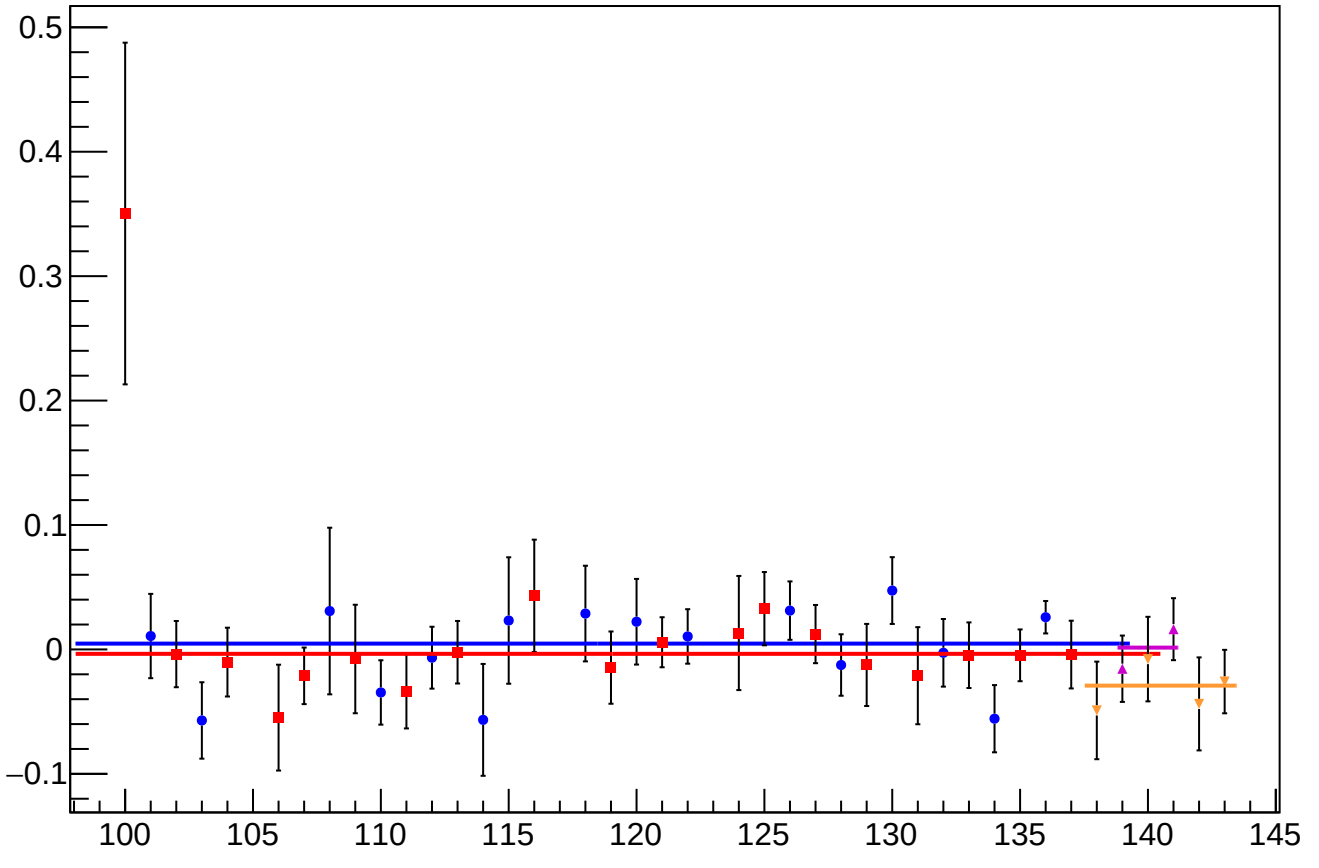
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 23.434+/-0.013 χ^2/NDF:2198.8/1

+ sign 17.690+/-0.004 χ^2/NDF: 1810260.2/19

All: 17.620+/-0.003 χ^2/NDF: 2916697.8/40

- sign 17.546+/-0.004 χ^2/NDF: 1105895.7/20



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

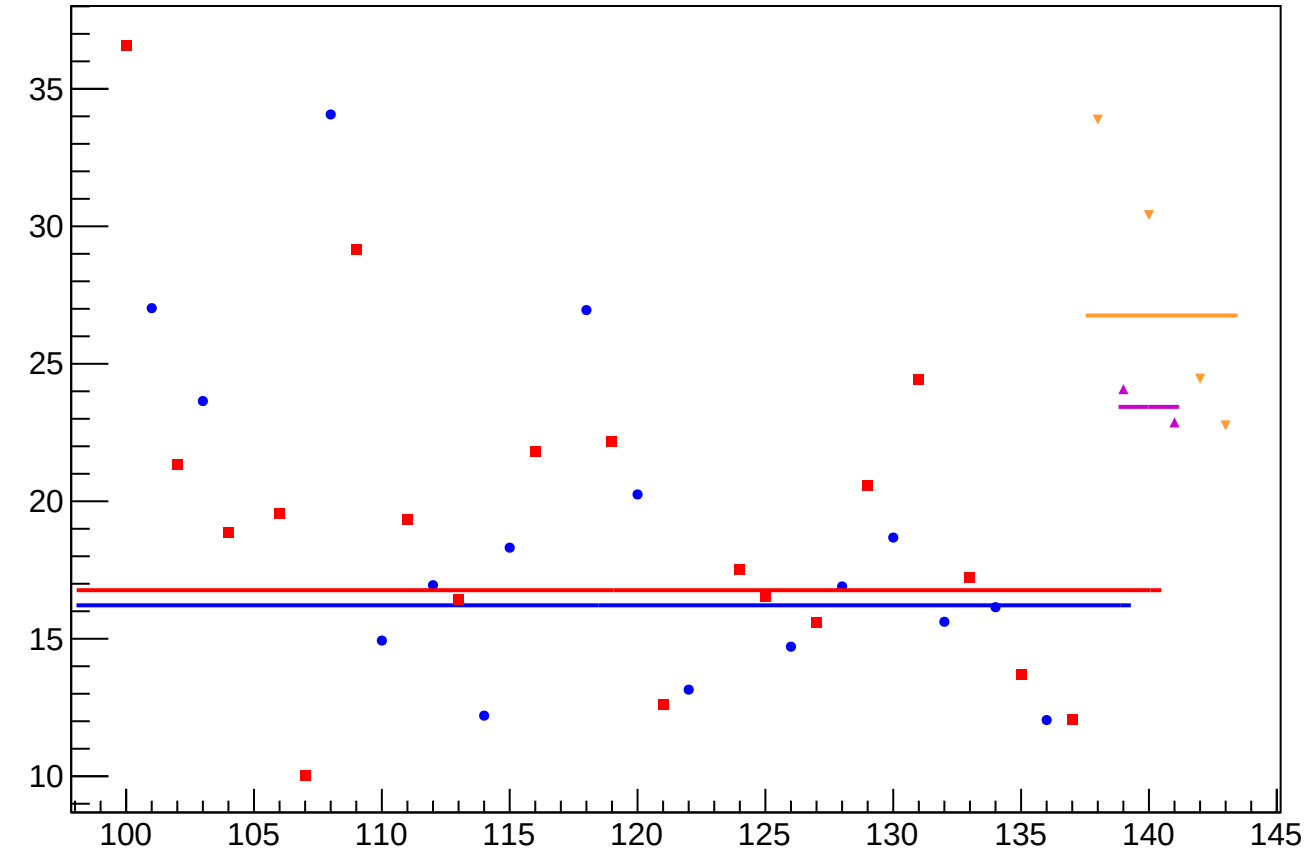
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.001+/-0.018 χ^2/NDF:0.8/1

+ sign -0.000+/-0.006 χ^2/NDF: 26.0/19

All: -0.001+/-0.004 χ^2/NDF: 40.5/40

- sign -0.003+/-0.006 χ^2/NDF: 14.4/20



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 26.757+/-0.012 χ^2/NDF:145824.5/3

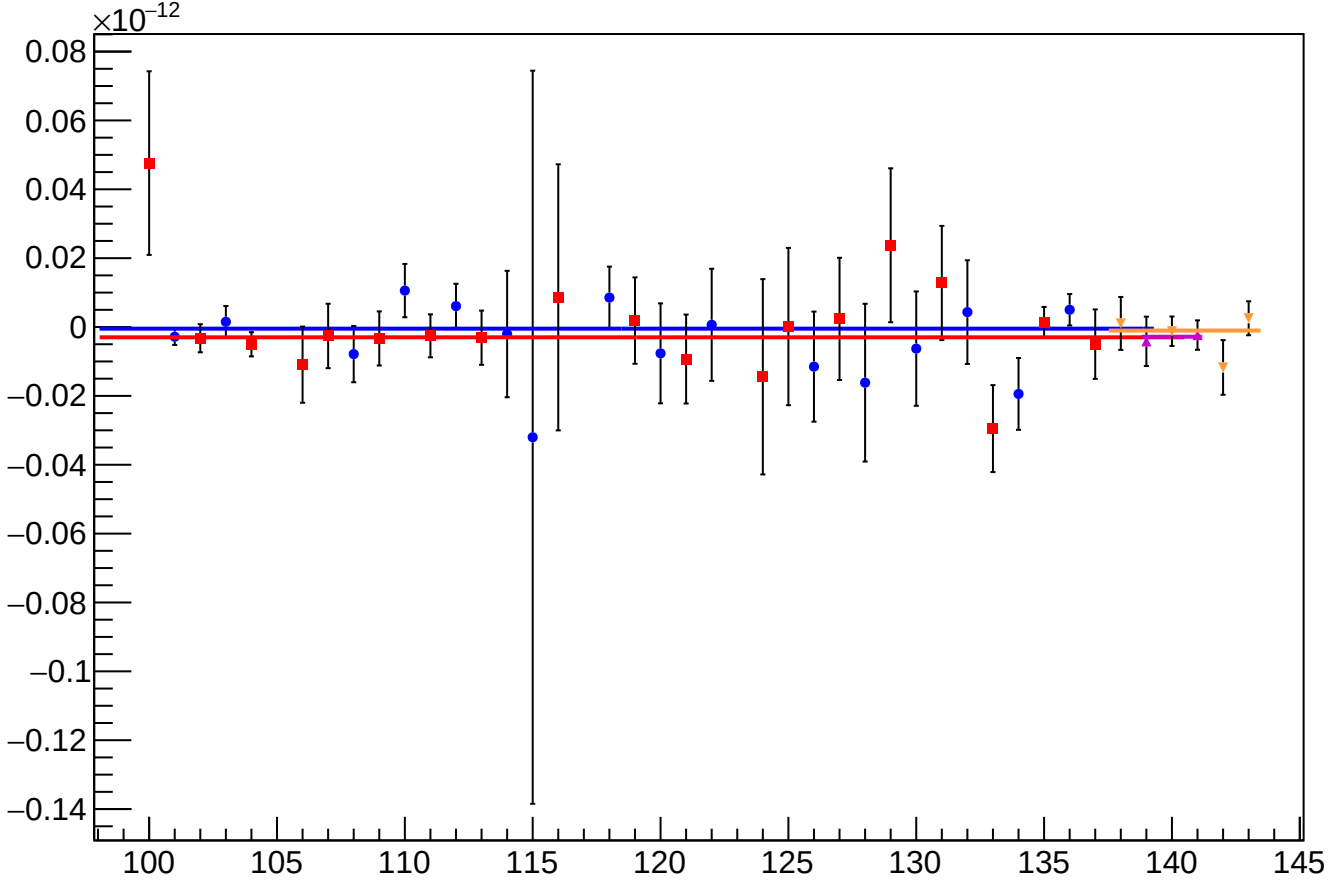
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 23.434+/-0.013 χ^2/NDF:2198.8/1

+ sign 17.690+/-0.004 χ^2/NDF: 1810260.2/19

All: 17.620+/-0.003 χ^2/NDF: 2916697.8/40

- sign 17.546+/-0.004 χ^2/NDF: 1105895.7/20



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/3

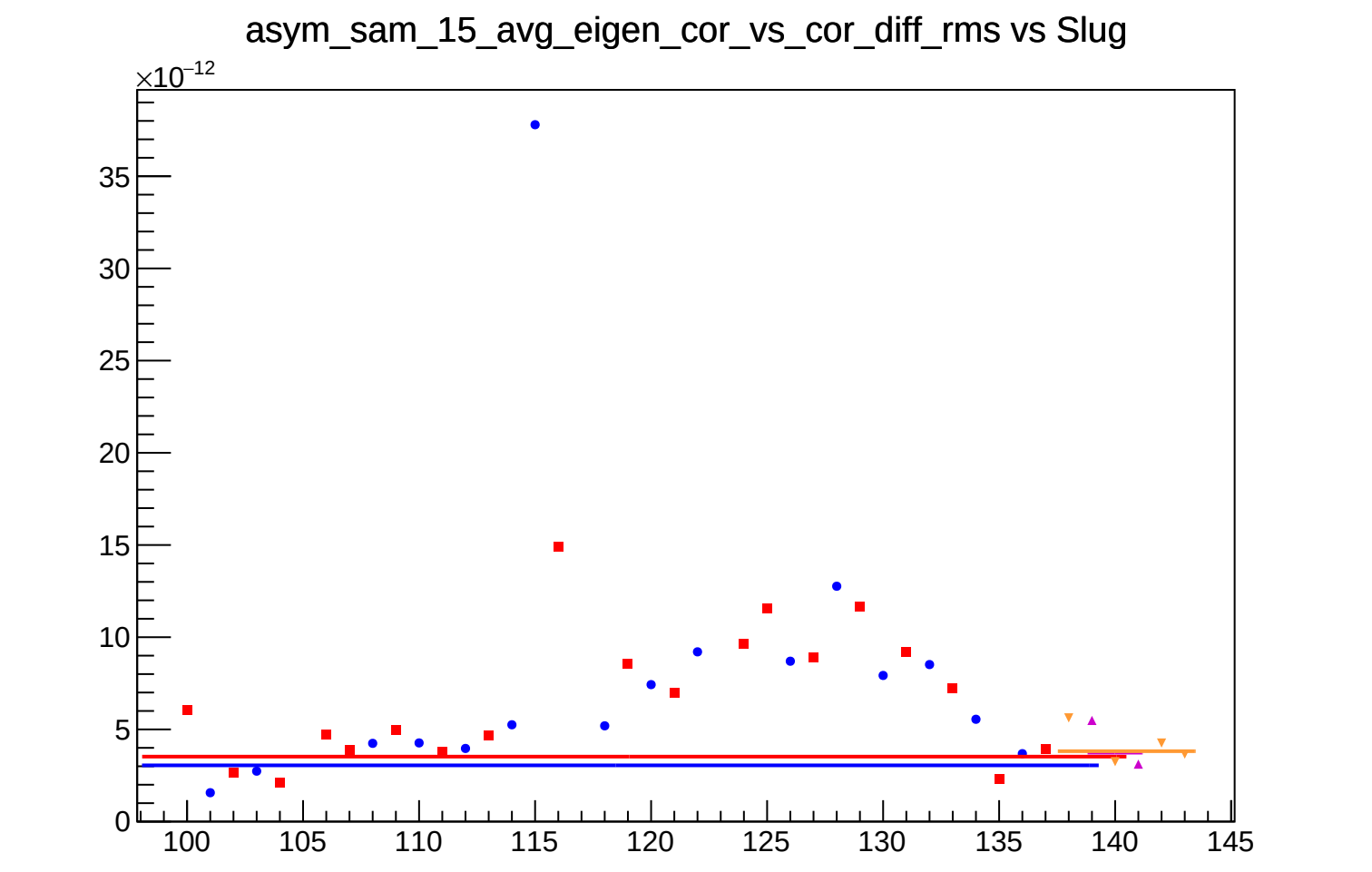
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 14.7/19

All: -0.000+/-0.000 χ^2/NDF: 29.0/40

- sign -0.000+/-0.000 χ^2/NDF: 13.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:154054.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

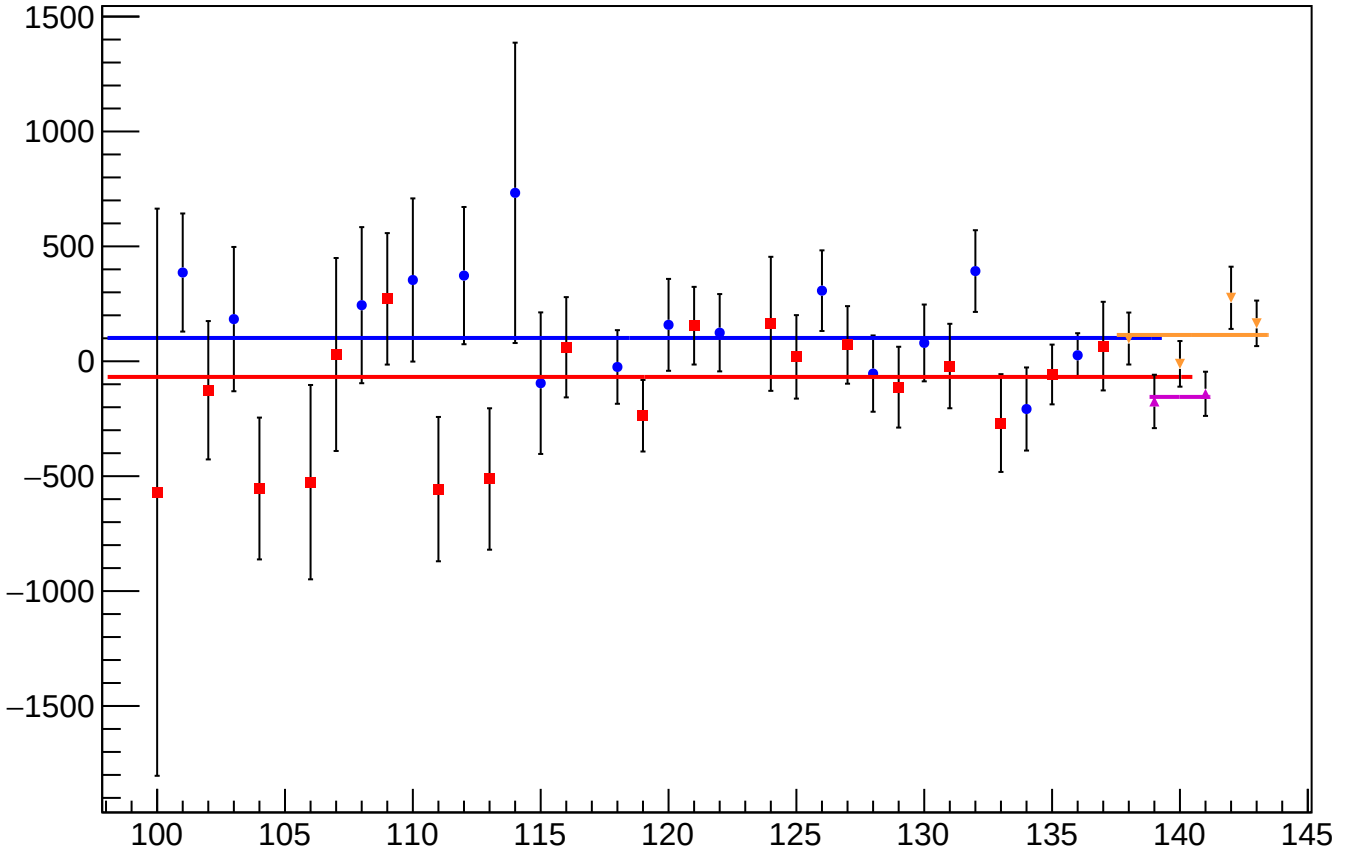
Left In: 0.000+/-0.000 χ^2/NDF:161273.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 3204105.6/19

All: 0.000+/-0.000 χ^2/NDF: 5974228.1/40

- sign 0.000+/-0.000 χ^2/NDF: 2725877.6/20

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 114.526+/-54.545 χ^2/NDF:3.3/3

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

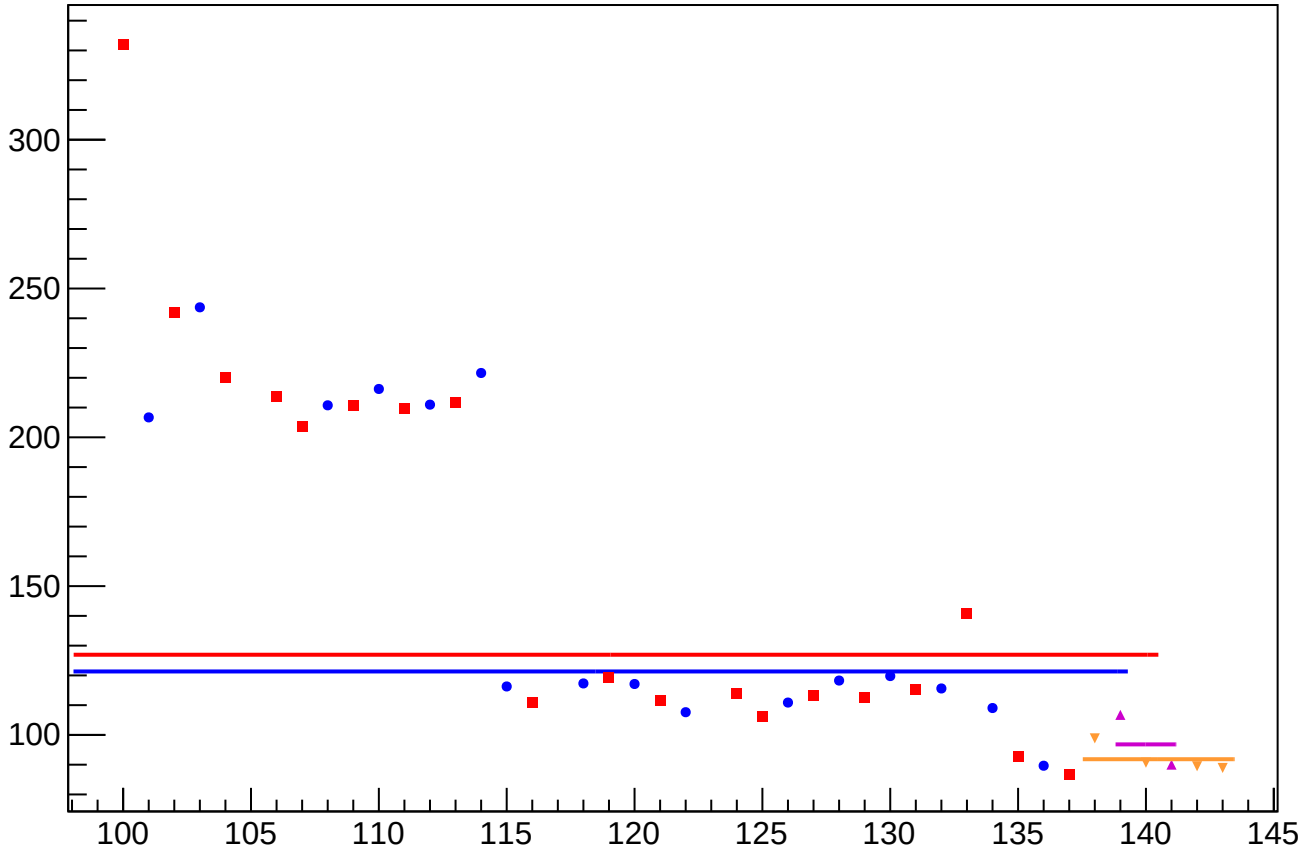
Left In: -155.069+/-74.081 χ^2/NDF:0.0/1

+ sign 107.113+/-35.877 χ^2/NDF: 16.7/19

All: 19.684+/-27.016 χ^2/NDF: 47.5/40

- sign -94.820+/-41.058 χ^2/NDF: 17.1/20

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

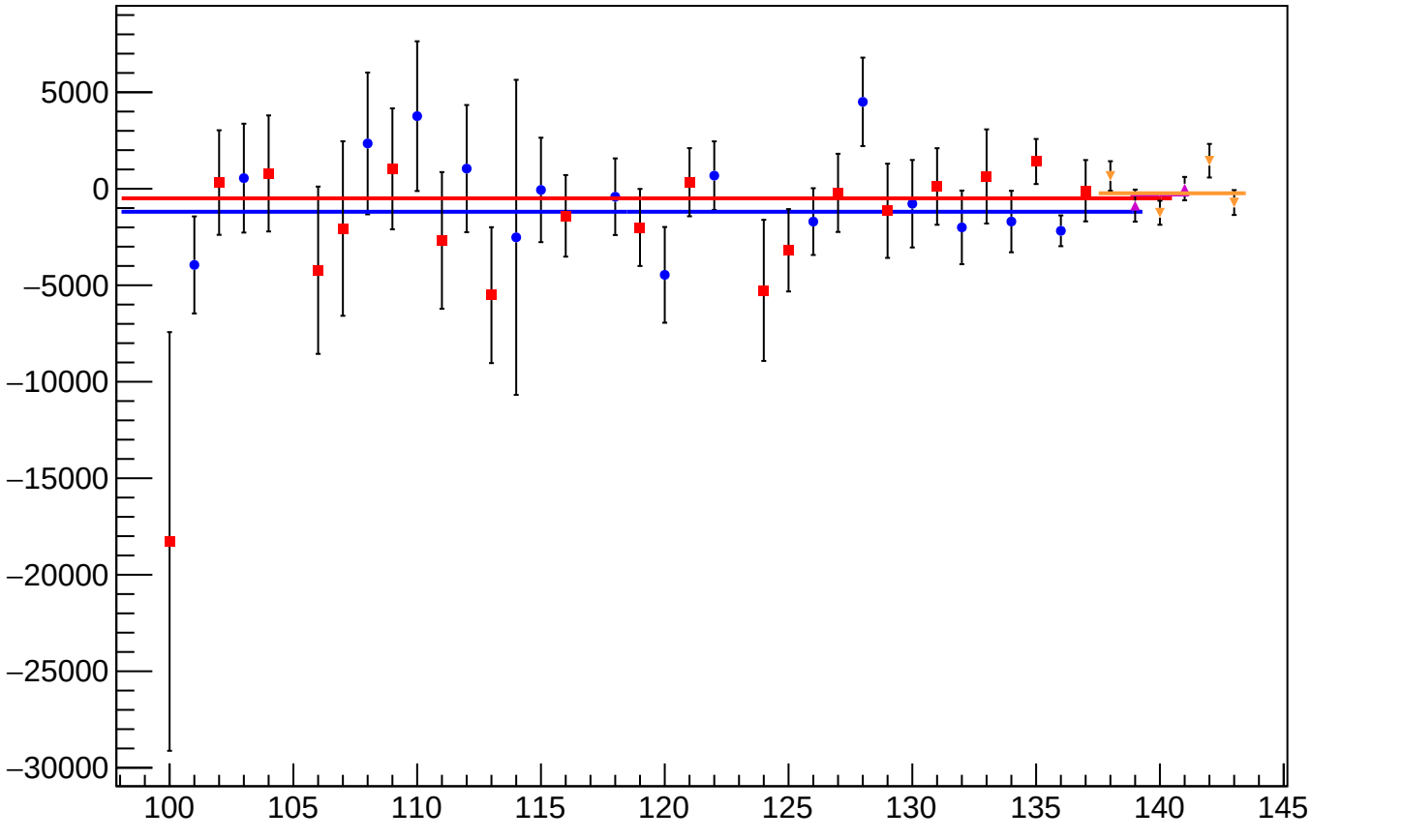
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 96.820+/-0.052 χ^2/NDF:24583.8/1

+ sign 108.568+/-0.025 χ^2/NDF: 1628605.8/19

All: 112.518+/-0.019 χ^2/NDF: 3409905.6/40

- sign 117.691+/-0.029 χ^2/NDF: 1725306.5/20



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -234.171+/-353.247 χ^2/NDF:8.3/3

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

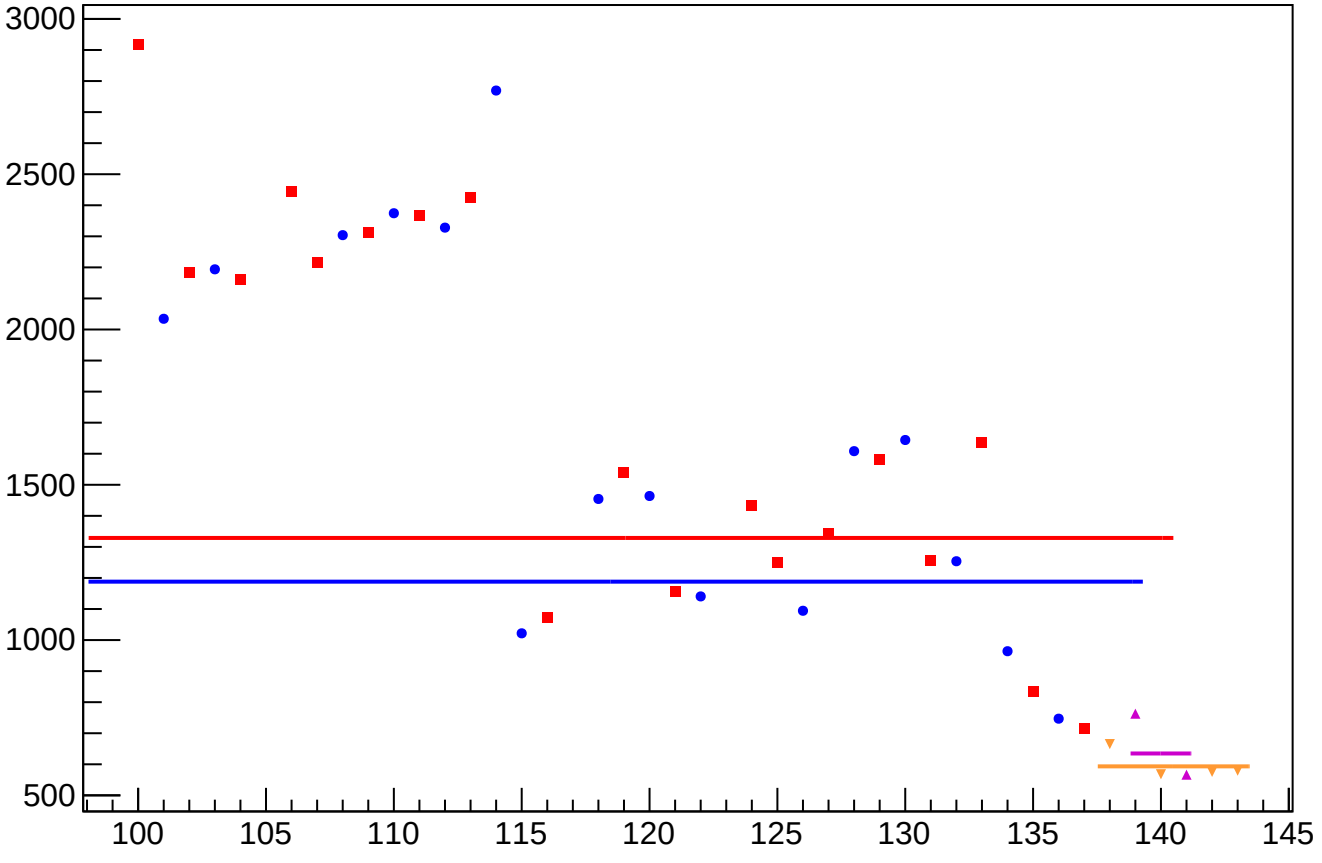
Left In: -298.916+/-489.282 χ^2/NDF:0.7/1

+ sign -571.731+/-284.279 χ^2/NDF: 26.8/19

All: -501.379+/-222.362 χ^2/NDF: 41.7/40

- sign -390.492+/-356.903 χ^2/NDF: 14.7/20

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 593.318+/-0.250 χ^2/NDF:22708.5/3

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

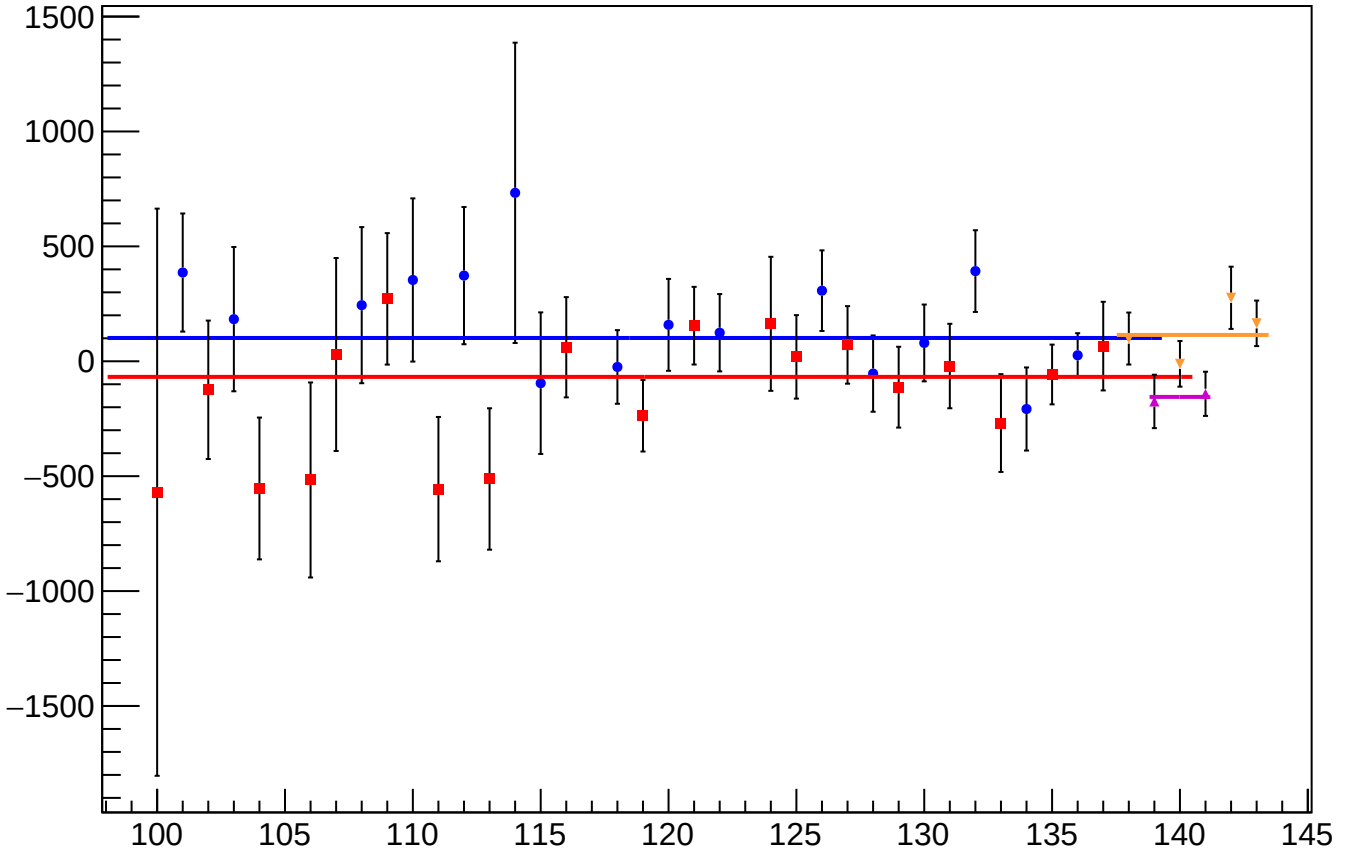
Left In: 634.812+/-0.346 χ^2/NDF:73043.4/1

\+ sign 802.884+/-0.201 χ^2/NDF: 4065048.1/19

All: 863.696+/-0.157 χ^2/NDF: 8214411.3/40

\- sign 959.546+/-0.252 χ^2/NDF: 3913593.8/20

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 114.527+/-54.545 χ^2/NDF:3.3/3

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

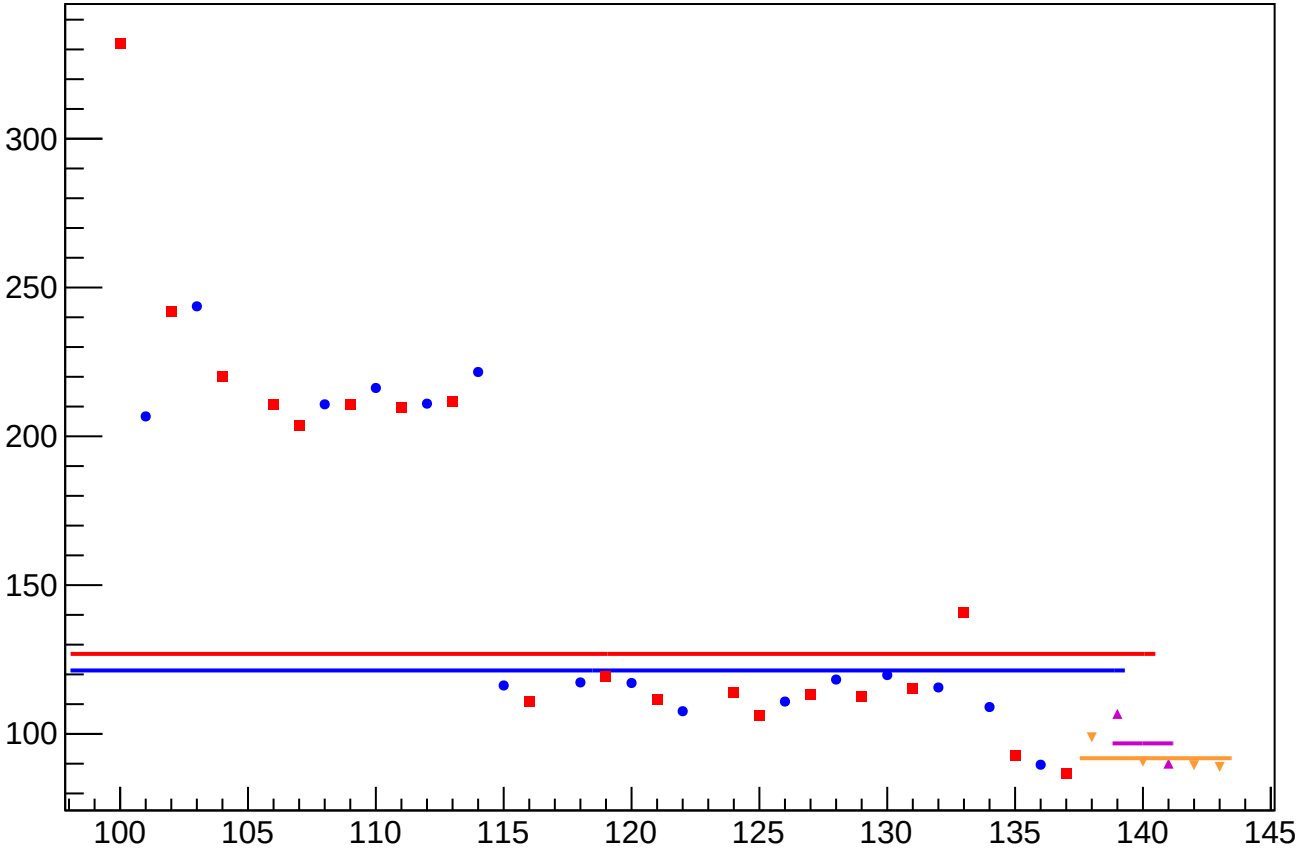
Left In: -155.079+/-74.081 χ^2/NDF:0.0/1

+ sign 107.105+/-35.877 χ^2/NDF: 16.7/19

All: 19.750+/-27.017 χ^2/NDF: 47.5/40

- sign -94.669+/-41.060 χ^2/NDF: 17.1/20

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

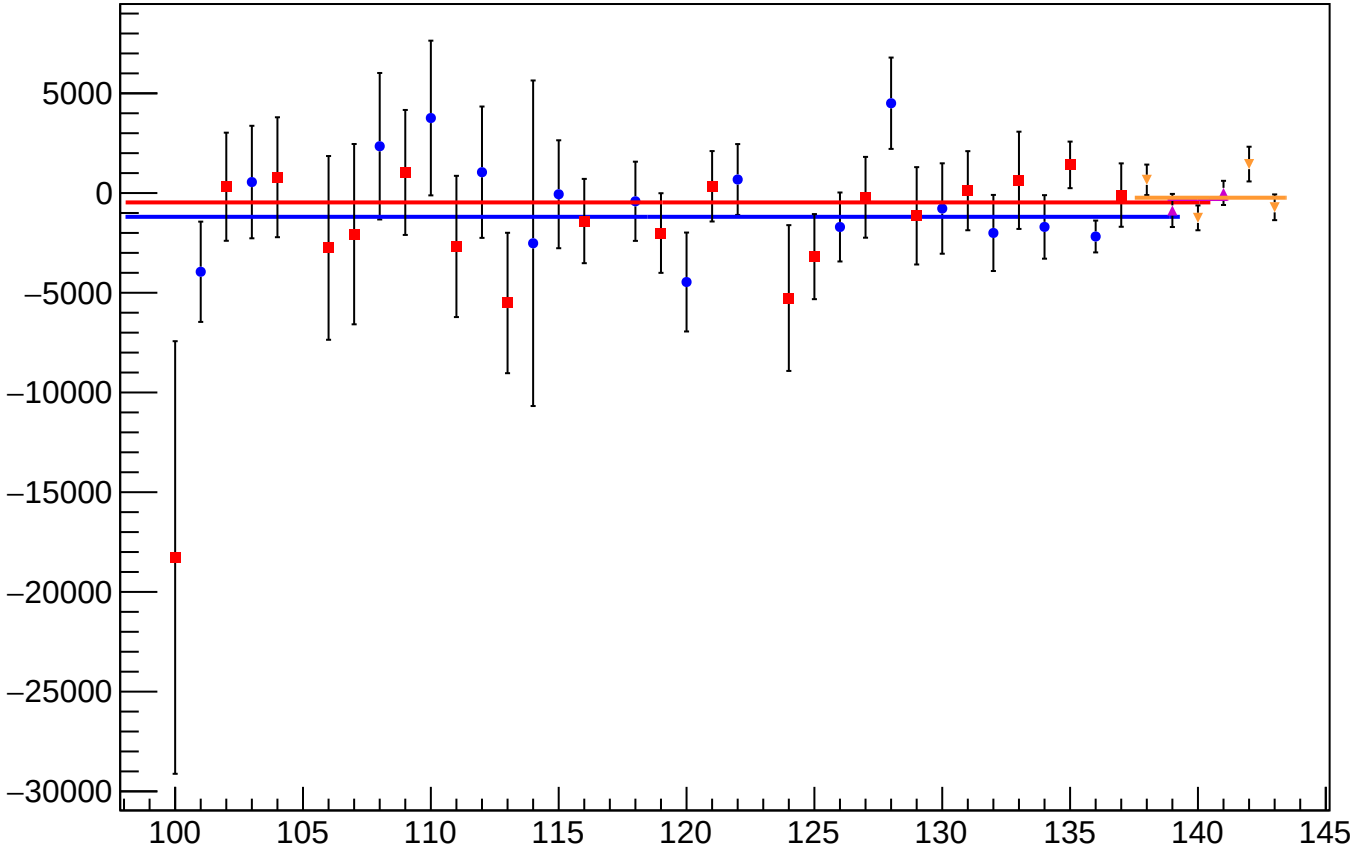
Left In: 96.820+/-0.052 χ^2/NDF:24583.8/1

+ sign 108.568+/-0.025 χ^2/NDF: 1628608.2/19

All: 112.502+/-0.019 χ^2/NDF: 3402588.7/40

- sign 117.656+/-0.029 χ^2/NDF: 1718424.2/20

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -234.163+/-353.246 χ^2/NDF:8.3/3

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

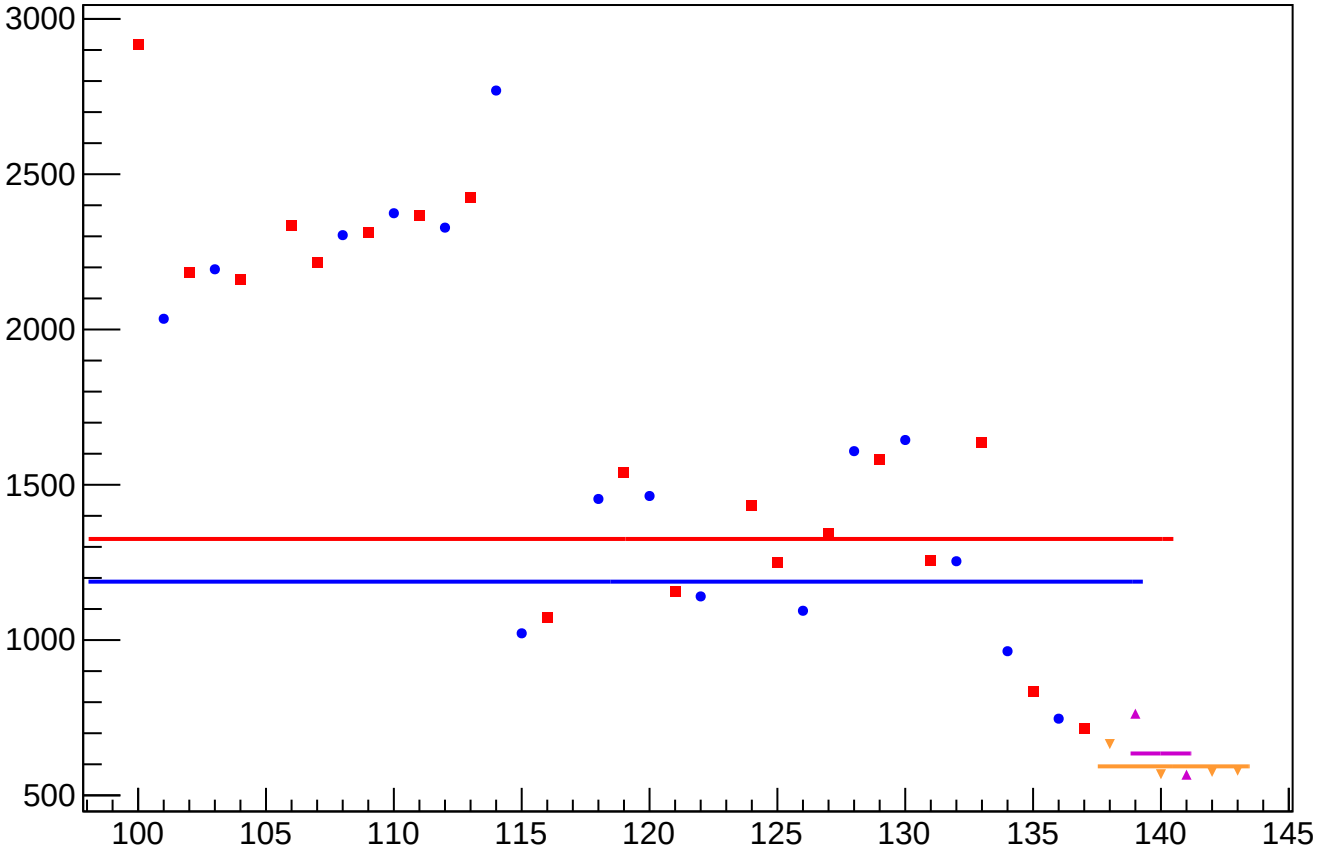
Left In: -298.930+/-489.282 χ^2/NDF:0.7/1

+ sign -571.716+/-284.279 χ^2/NDF: 26.8/19

All: -496.861+/-222.397 χ^2/NDF: 41.2/40

- sign -378.780+/-357.046 χ^2/NDF: 14.2/20

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 593.318+/-0.250 χ^2/NDF:22708.6/3

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

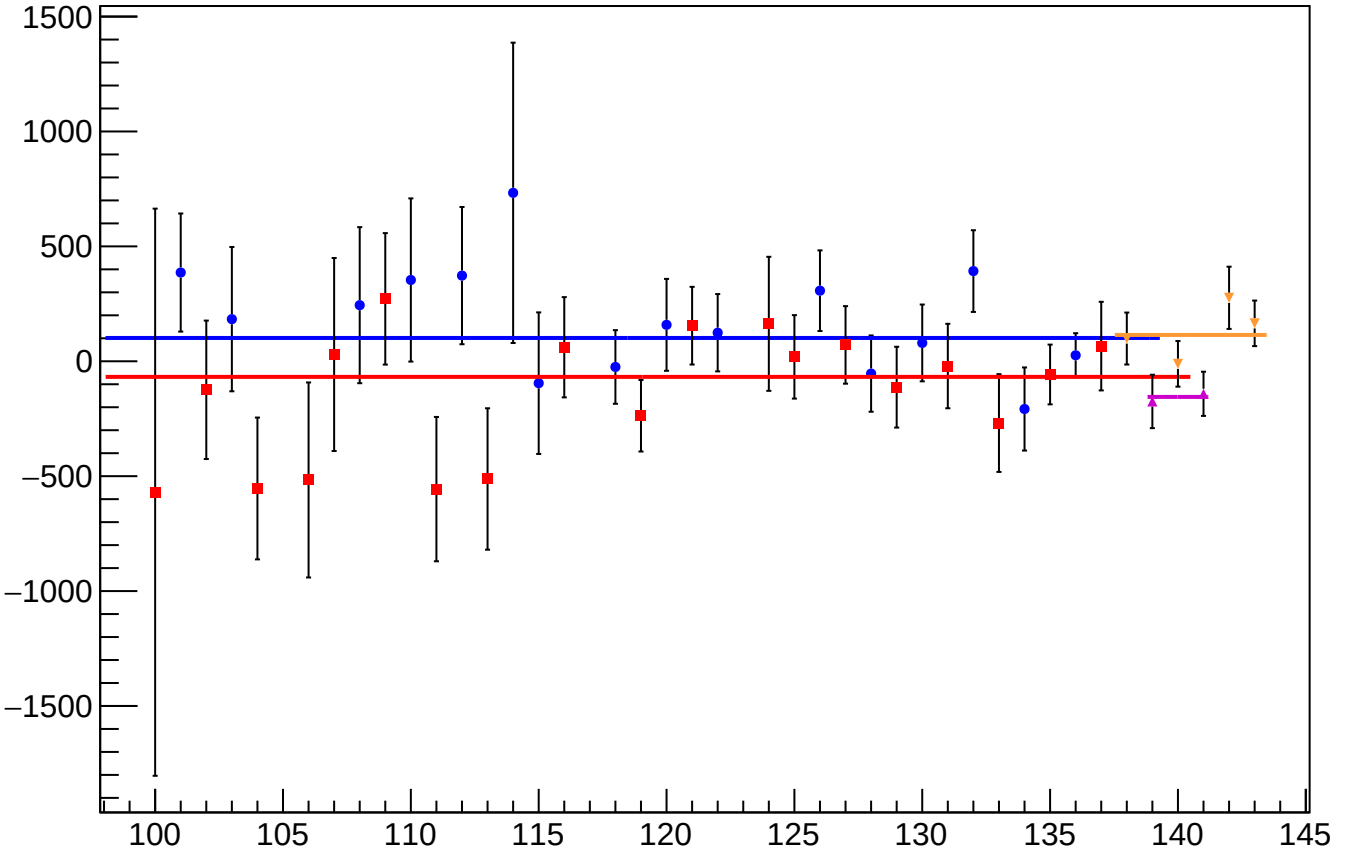
Left In: 634.812+/-0.346 χ^2/NDF:73042.9/1

+ sign 802.883+/-0.201 χ^2/NDF: 4065075.5/19

All: 862.961+/-0.157 χ^2/NDF: 8152811.3/40

- sign 957.730+/-0.252 χ^2/NDF: 3857512.8/20

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 114.527+/-54.545 χ^2/NDF:3.3/3

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

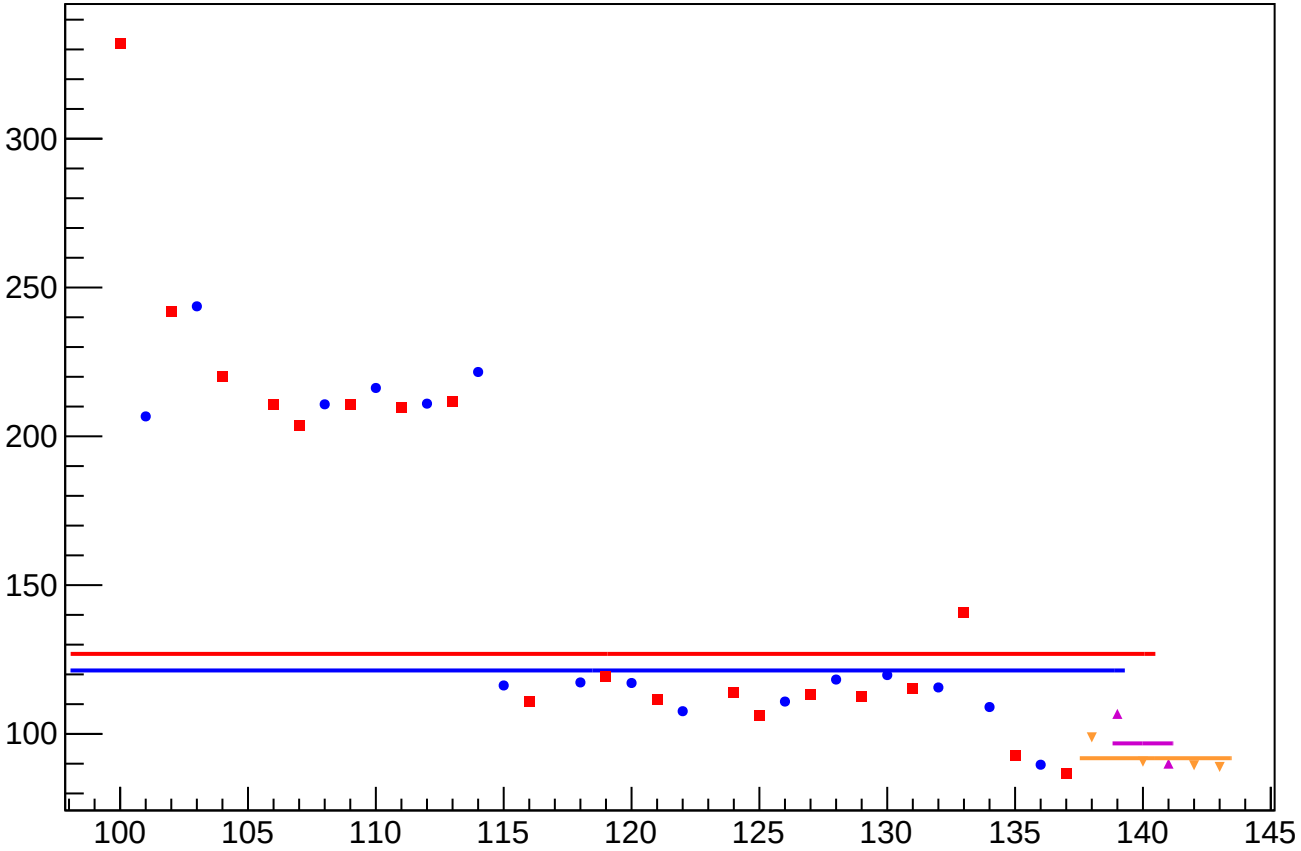
Left In: -155.079+/-74.081 χ^2/NDF:0.0/1

+ sign 107.105+/-35.877 χ^2/NDF: 16.7/19

All: 19.750+/-27.017 χ^2/NDF: 47.5/40

- sign -94.669+/-41.060 χ^2/NDF: 17.1/20

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

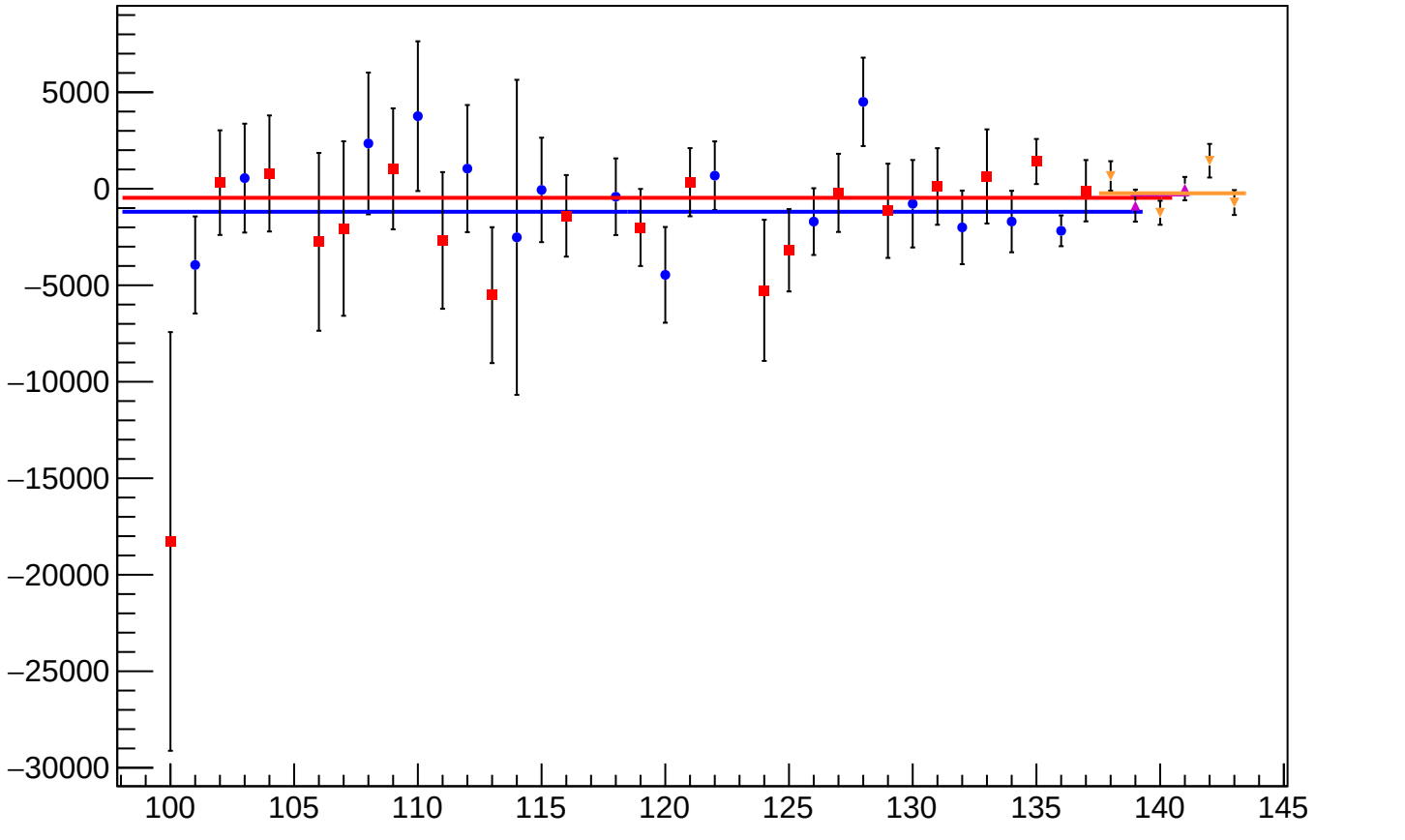
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 96.820+/-0.052 χ^2/NDF:24583.8/1

+ sign 108.568+/-0.025 χ^2/NDF: 1628608.2/19

All: 112.502+/-0.019 χ^2/NDF: 3402588.7/40

- sign 117.656+/-0.029 χ^2/NDF: 1718424.2/20



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -234.163+/-353.246 χ^2/NDF:8.3/3

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

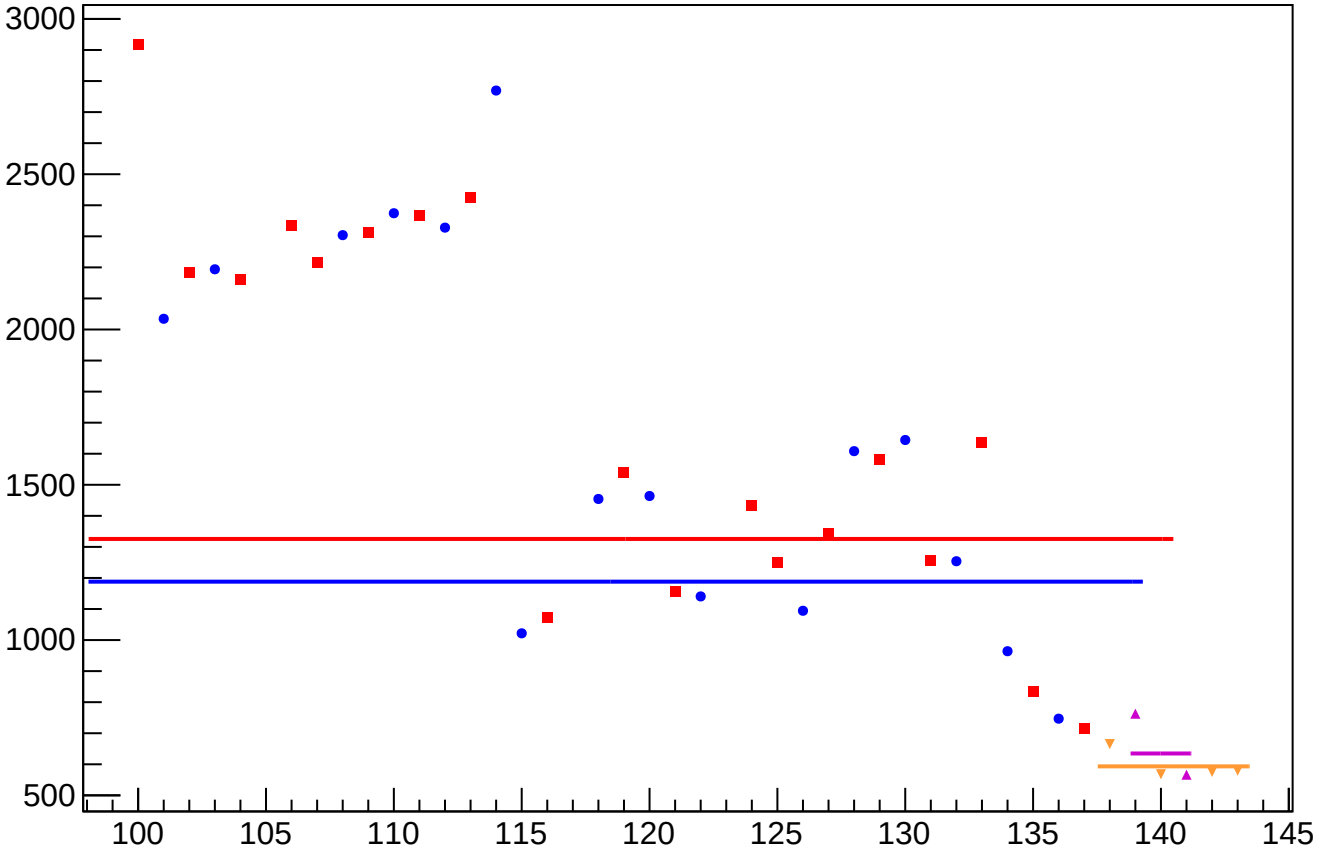
Left In: -298.930+/-489.282 χ^2/NDF:0.7/1

+ sign -571.716+/-284.279 χ^2/NDF: 26.8/19

All: -496.861+/-222.397 χ^2/NDF: 41.2/40

- sign -378.780+/-357.046 χ^2/NDF: 14.2/20

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 593.318+/-0.250 χ^2/NDF:22708.6/3

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

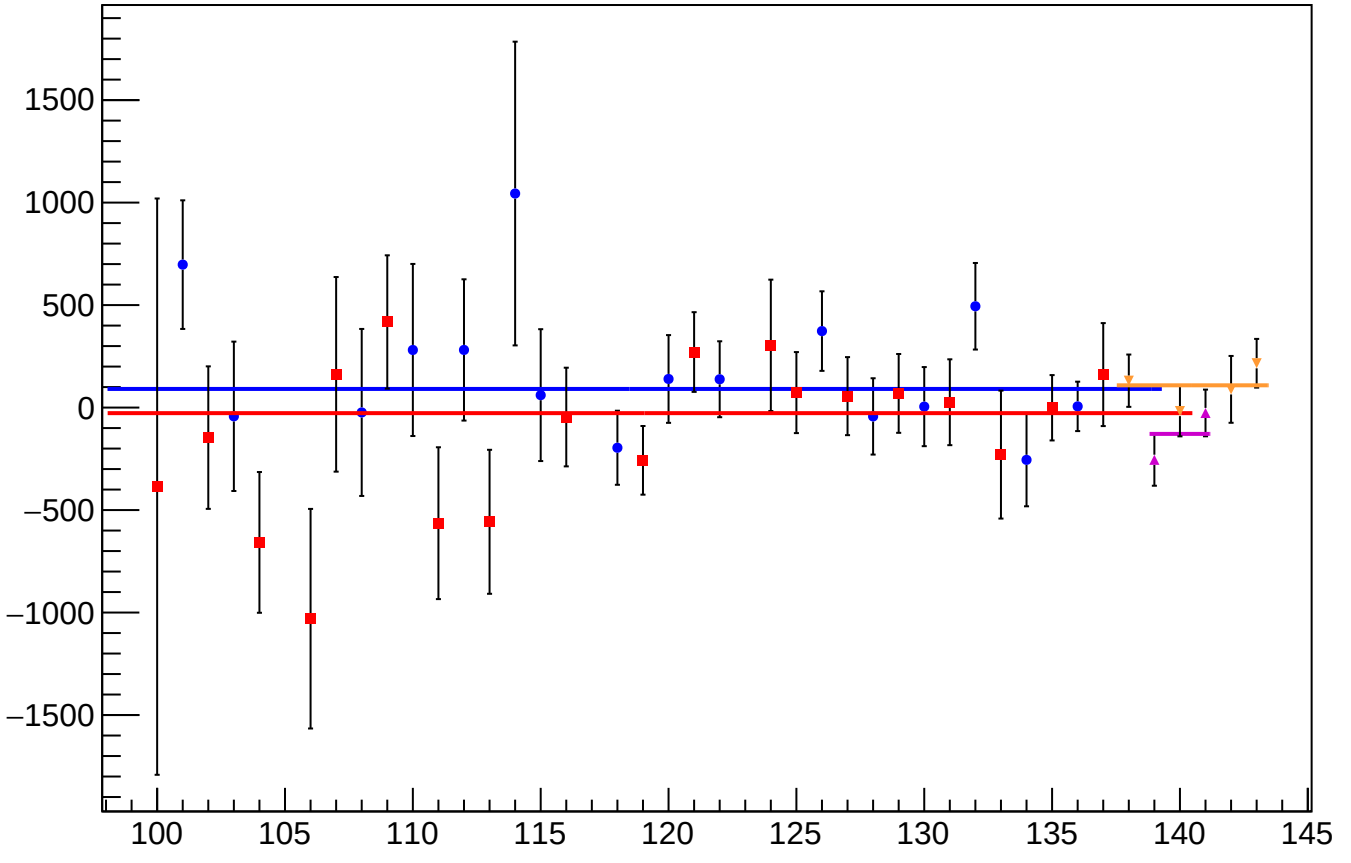
Left In: 634.812+/-0.346 χ^2/NDF:73042.9/1

+ sign 802.883+/-0.201 χ^2/NDF: 4065075.5/19

All: 862.961+/-0.157 χ^2/NDF: 8152811.3/40

- sign 957.730+/-0.252 χ^2/NDF: 3857512.8/20

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 108.632+/-65.161 χ^2/NDF:1.9/3

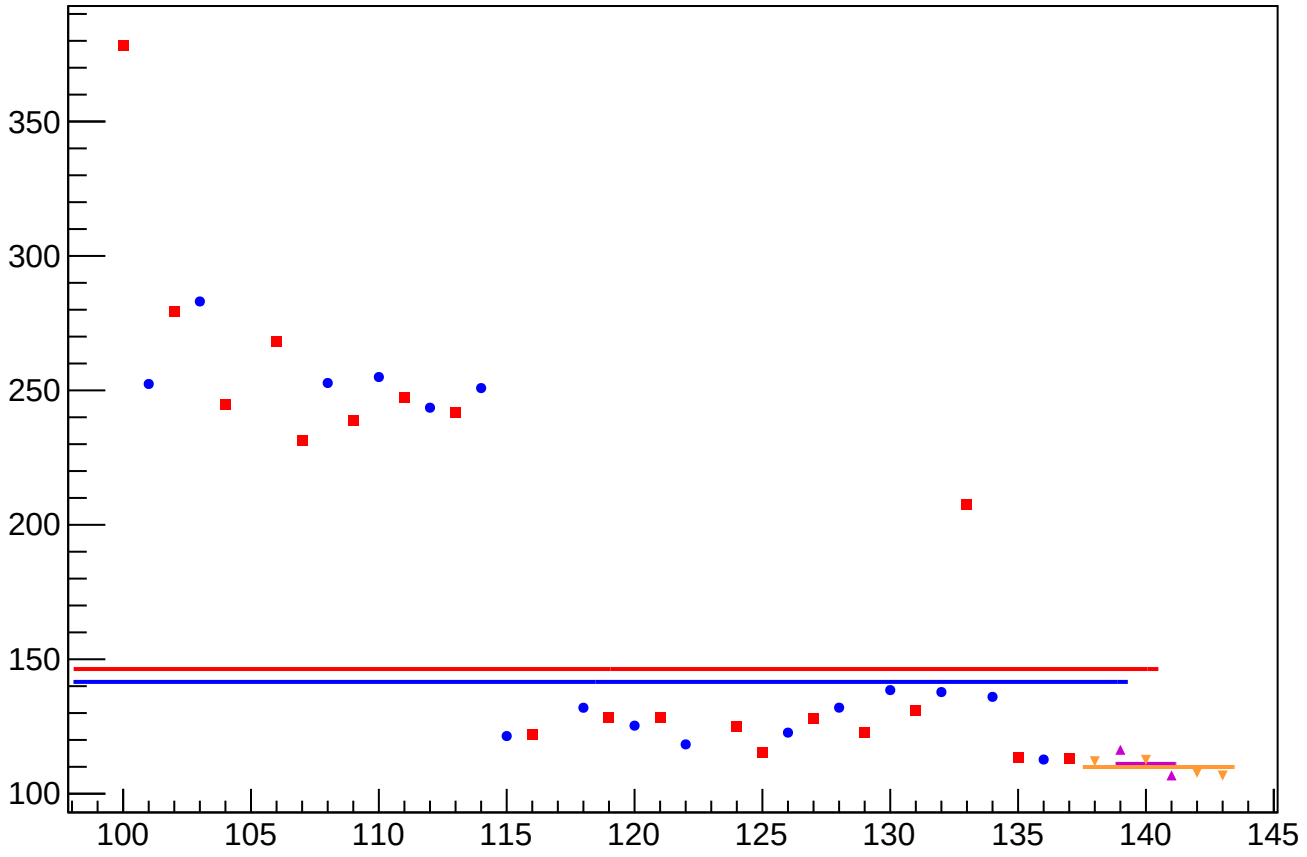
Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: -128.445+/-84.681 χ^2/NDF:1.8/1

+ sign 98.370+/-42.280 χ^2/NDF: 20.0/19

All: 28.574+/-31.521 χ^2/NDF: 49.5/40

- sign -58.760+/-47.294 χ^2/NDF: 23.3/20



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 109.925+/-0.046 χ^2/NDF:3259.4/3

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

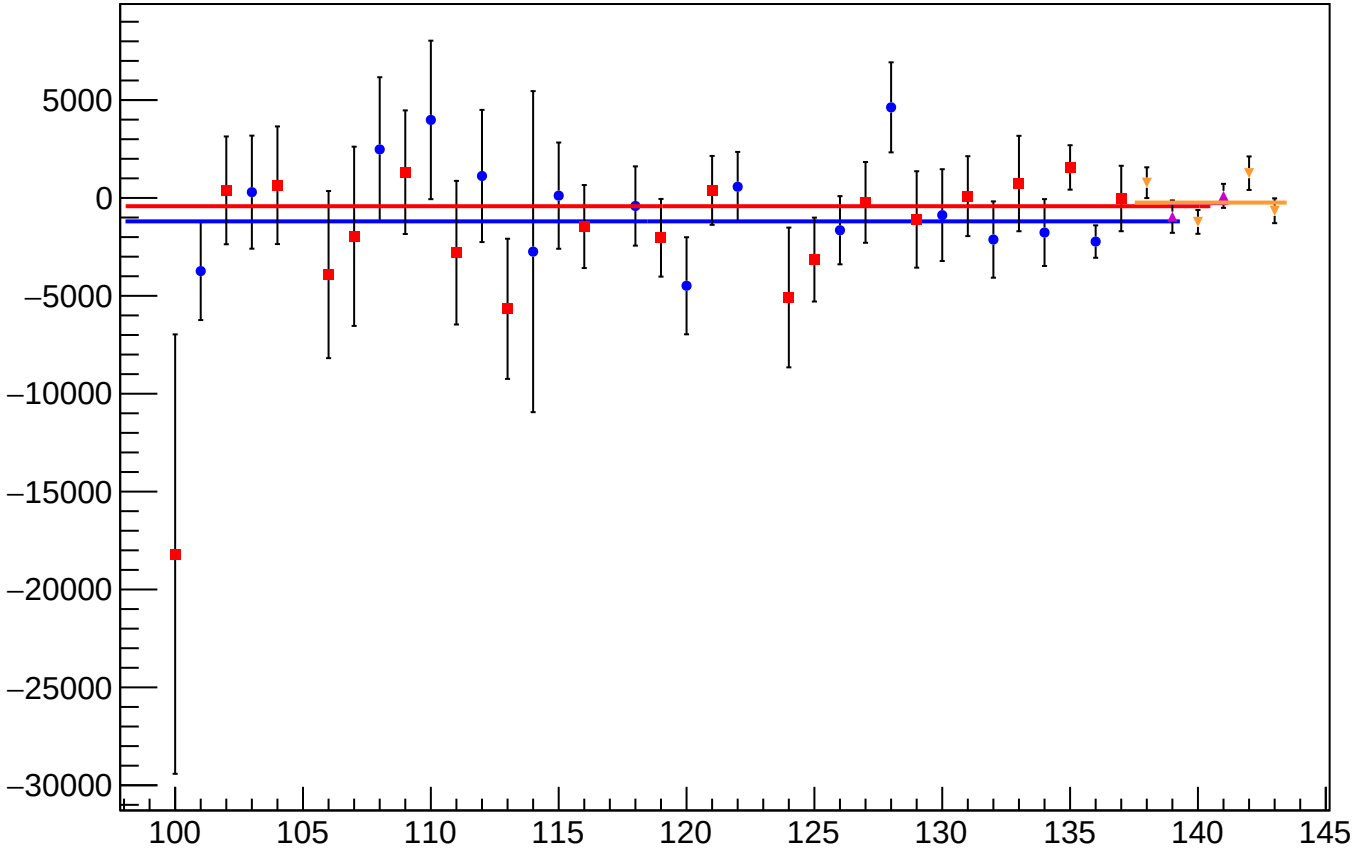
Left In: 111.084+/-0.060 χ^2/NDF:6273.3/1

+ sign 128.257+/-0.030 χ^2/NDF: 1539015.7/19

All: 131.413+/-0.022 χ^2/NDF: 3322967.8/40

- sign 135.362+/-0.033 χ^2/NDF: 1758858.8/20

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -236.685+/-349.846 χ^2/NDF:7.8/3

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

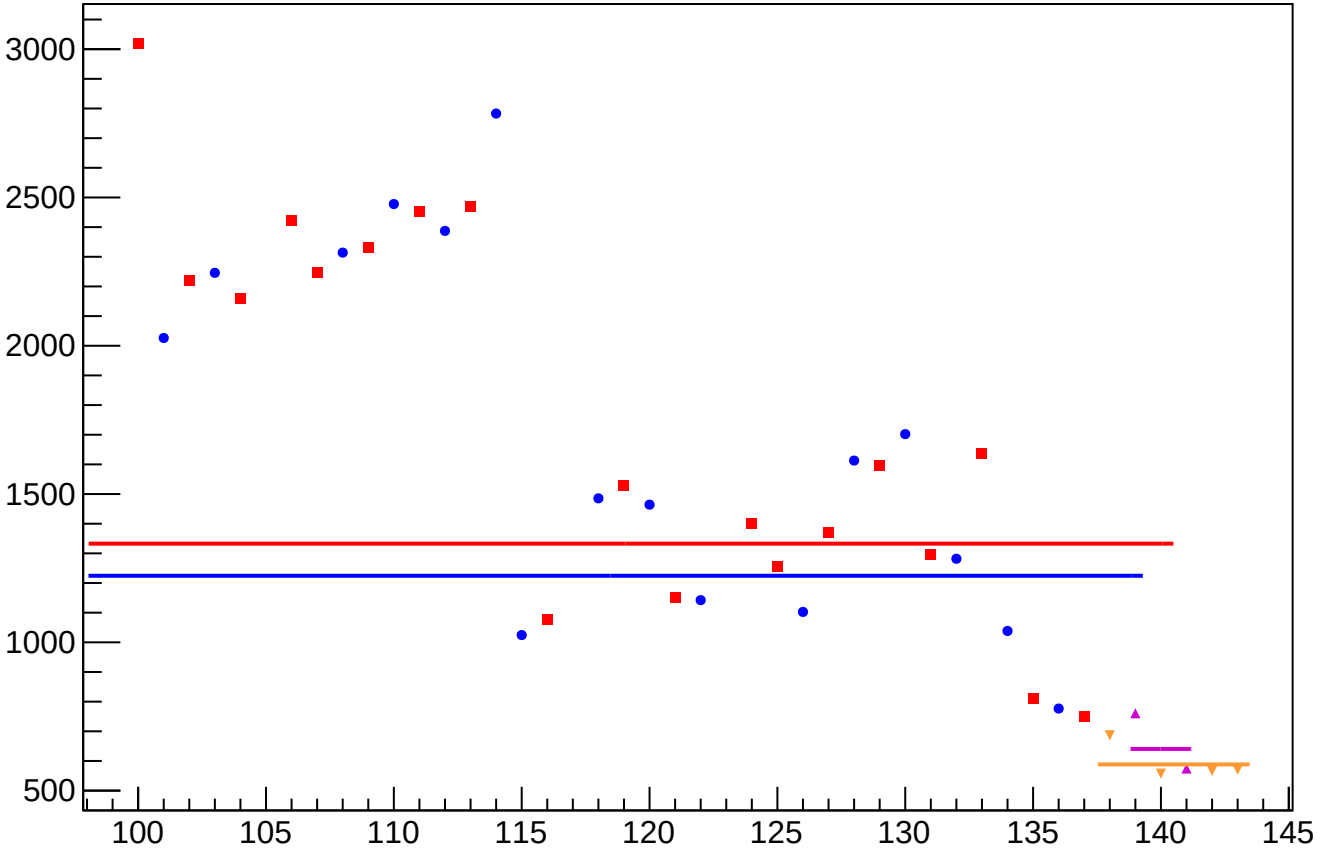
Left In: -269.417+/-492.754 χ^2/NDF:1.1/1

+ sign -559.603+/-284.994 χ^2/NDF: 26.3/19

All: -475.118+/-223.190 χ^2/NDF: 41.9/40

- sign -341.123+/-358.915 χ^2/NDF: 15.4/20

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 588.338+/-0.247 χ^2/NDF:39408.3/3

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

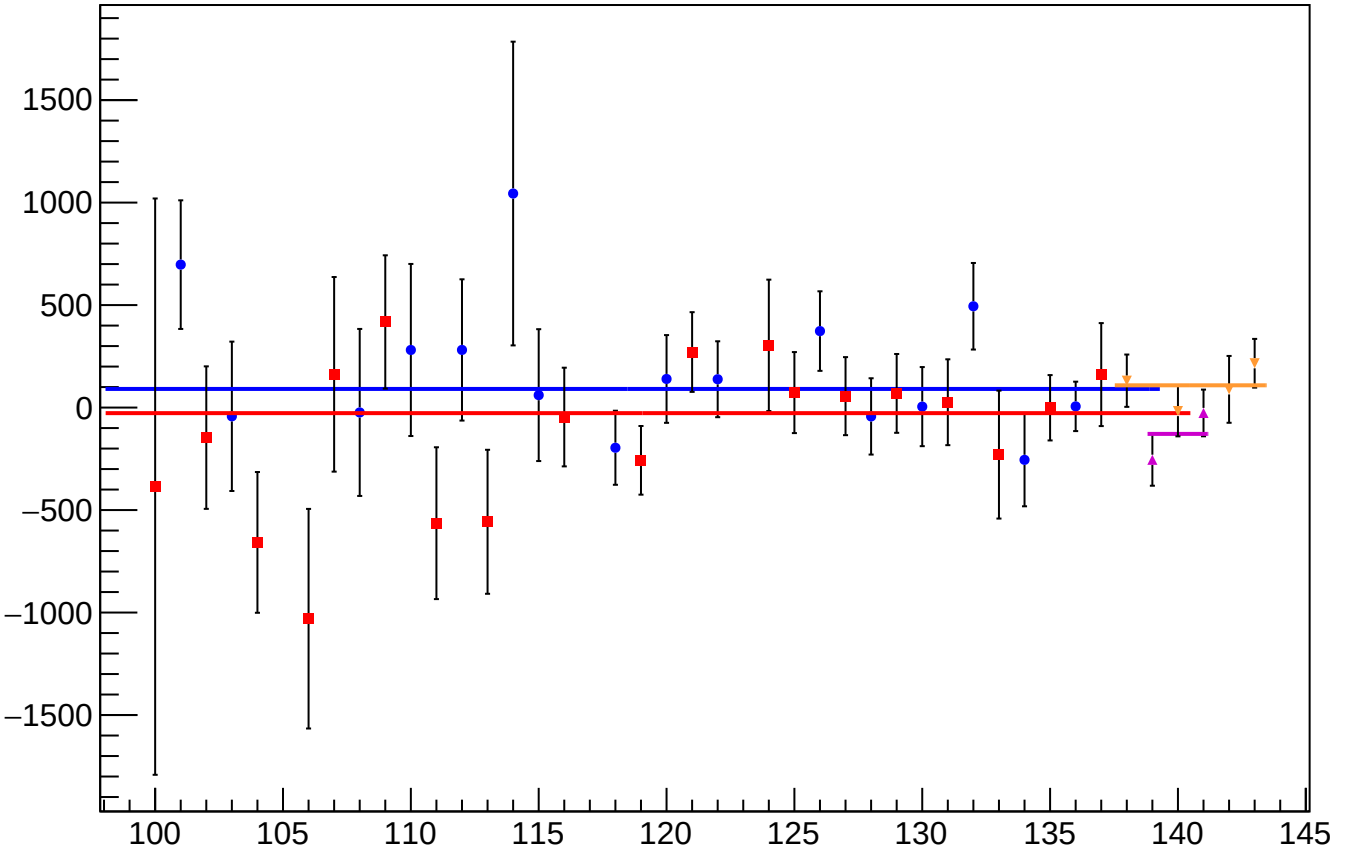
Left In: 640.555+/-0.348 χ^2/NDF:65340.8/1

+ sign 802.320+/-0.202 χ^2/NDF: 4223115.4/19

All: 865.431+/-0.158 χ^2/NDF: 8389850.0/40

- sign 965.527+/-0.254 χ^2/NDF: 3913105.4/20

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 108.631+/-65.161 χ^2/NDF:1.9/3

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

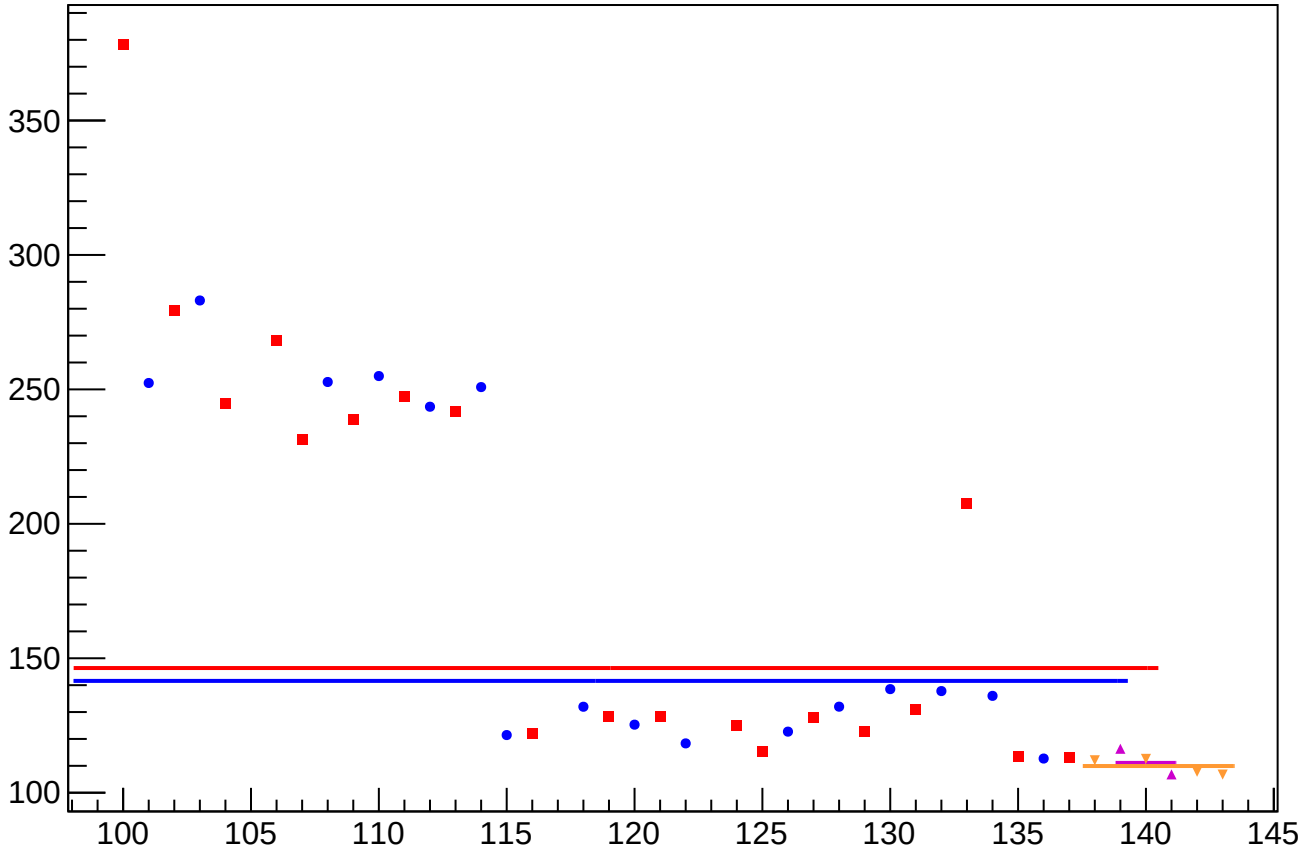
Left In: -128.444+/-84.681 χ^2/NDF:1.8/1

+ sign 98.371+/-42.280 χ^2/NDF: 20.0/19

All: 28.574+/-31.521 χ^2/NDF: 49.5/40

- sign -58.760+/-47.294 χ^2/NDF: 23.3/20

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 109.925+/-0.046 χ^2/NDF:3259.0/3

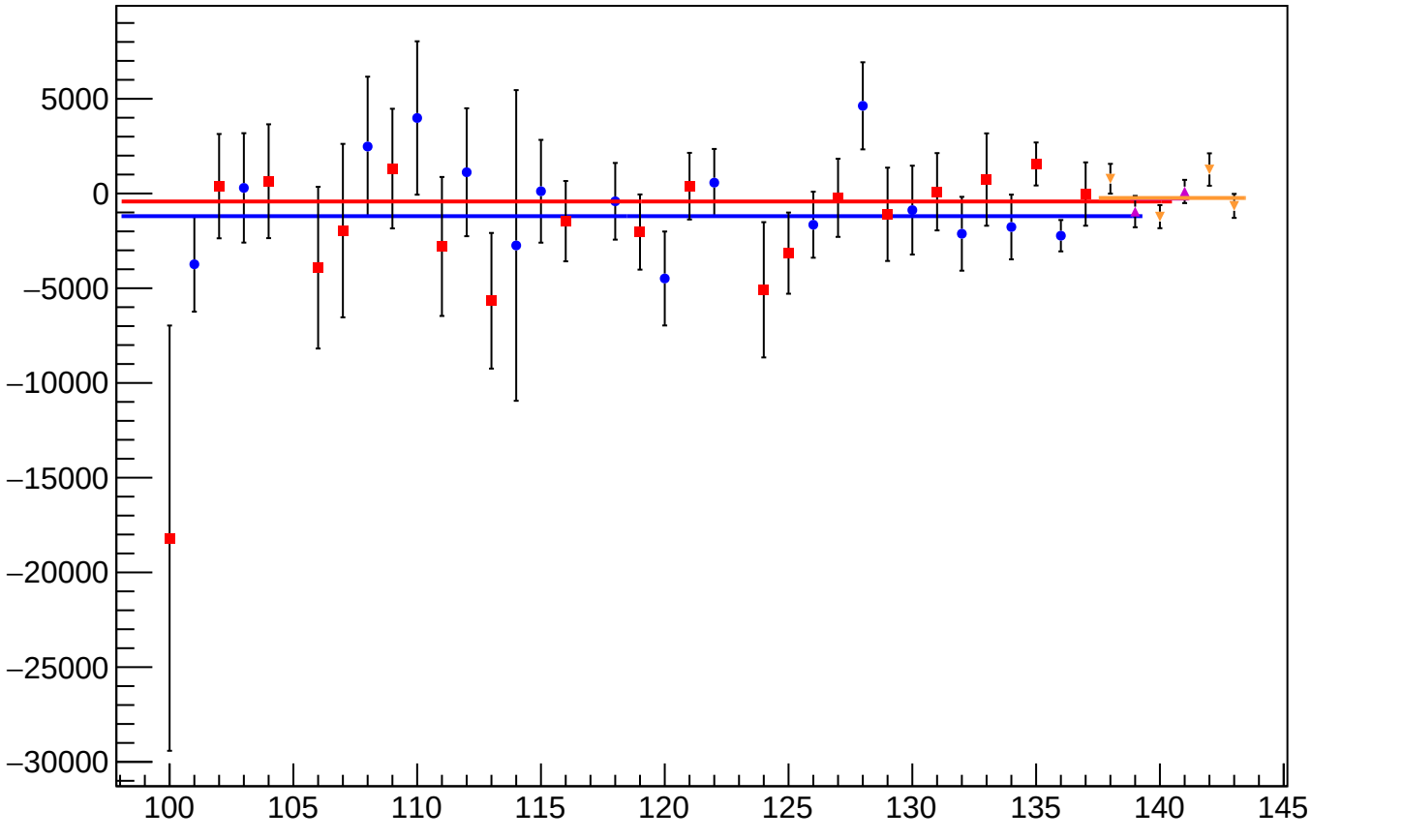
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 111.084+/-0.060 χ^2/NDF:6272.8/1

+ sign 128.256+/-0.030 χ^2/NDF: 1538985.8/19

All: 131.413+/-0.022 χ^2/NDF: 3322912.3/40

- sign 135.362+/-0.033 χ^2/NDF: 1758831.4/20



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -236.684+/-349.846 χ^2/NDF:7.8/3

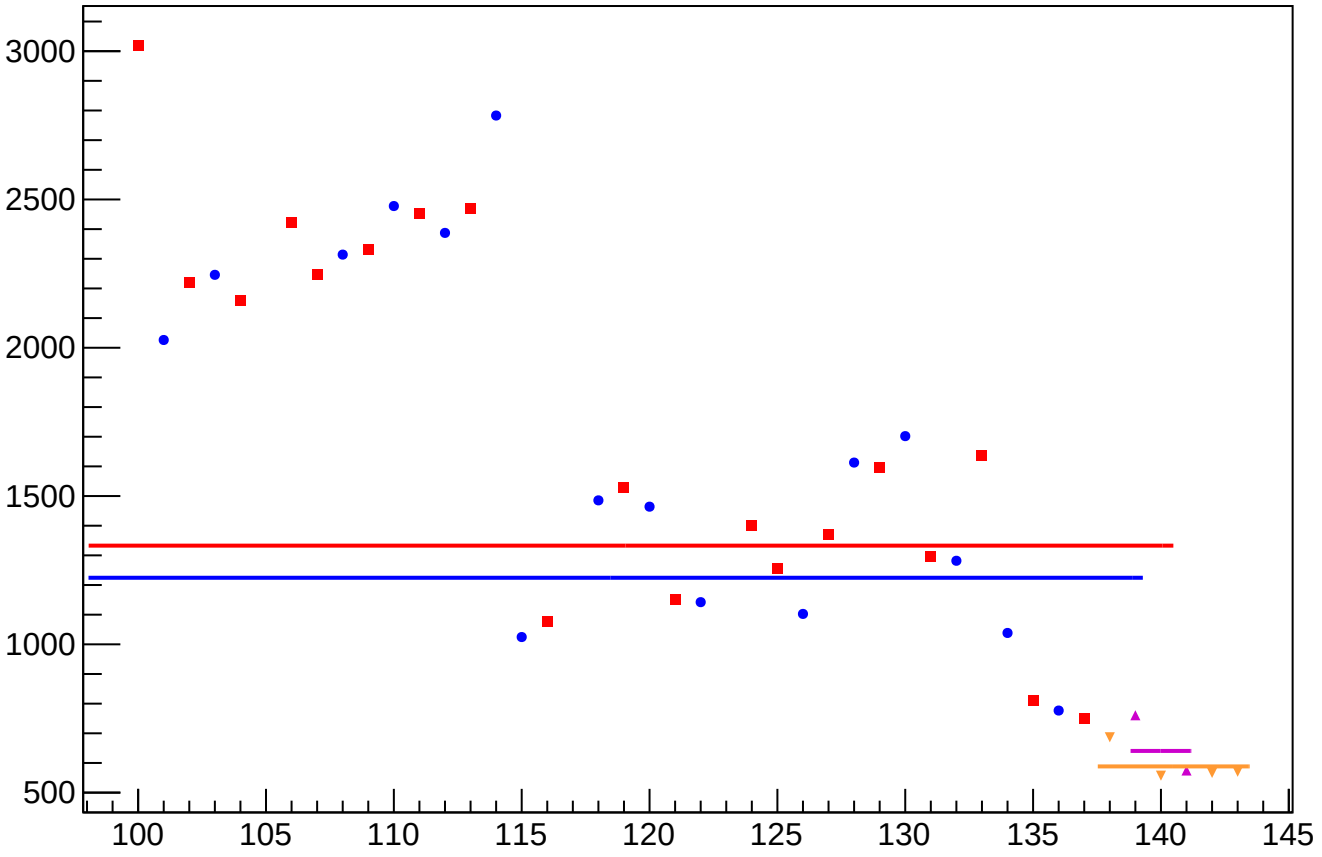
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -269.419+/-492.754 χ^2/NDF:1.1/1

+ sign -559.601+/-284.994 χ^2/NDF: 26.3/19

All: -475.118+/-223.190 χ^2/NDF: 41.9/40

- sign -341.126+/-358.914 χ^2/NDF: 15.4/20



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 588.338+/-0.247 χ^2/NDF:39405.5/3

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

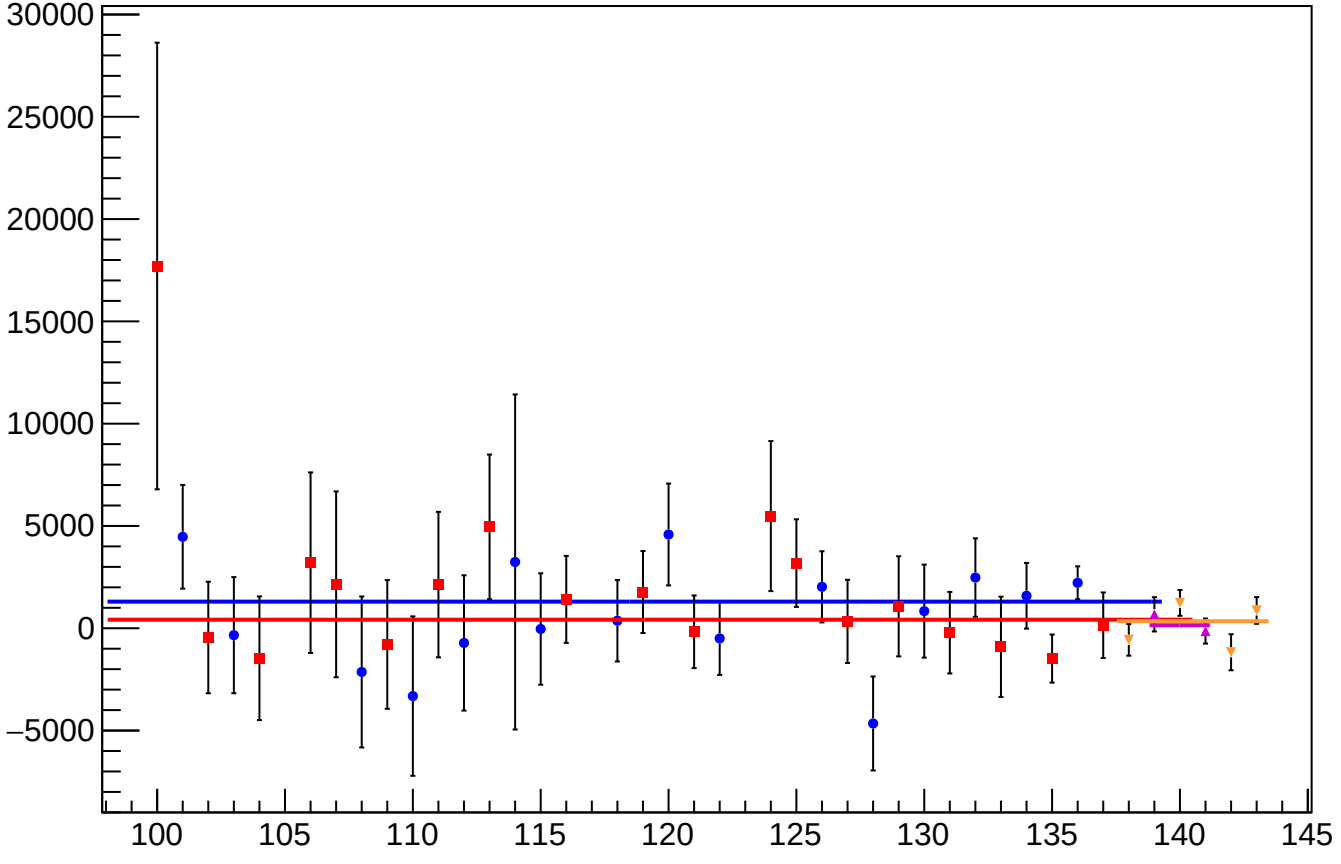
Left In: 640.555+/-0.348 χ^2/NDF:65337.2/1

+ sign 802.321+/-0.202 χ^2/NDF: 4223088.3/19

All: 865.431+/-0.158 χ^2/NDF: 8389800.1/40

- sign 965.526+/-0.254 χ^2/NDF: 3913084.6/20

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 345.698+/-357.496 χ^2/NDF:7.0/3

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

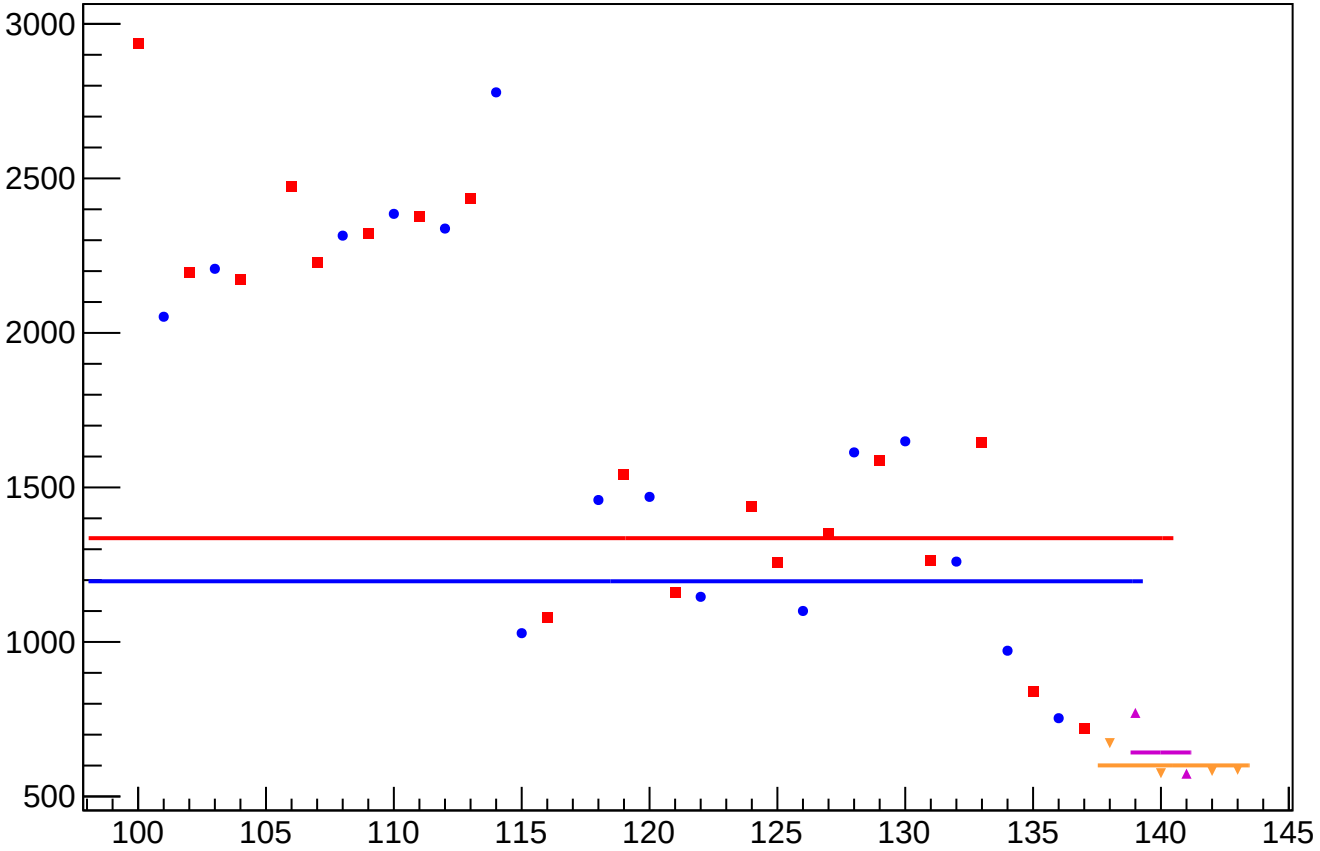
Left In: 149.066+/-494.983 χ^2/NDF:0.6/1

+ sign 684.978+/-287.129 χ^2/NDF: 26.0/19

All: 525.917+/-224.473 χ^2/NDF: 40.6/40

- sign 275.882+/-359.994 χ^2/NDF: 13.8/20

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 600.505+/-0.253 χ^2/NDF:22355.8/3

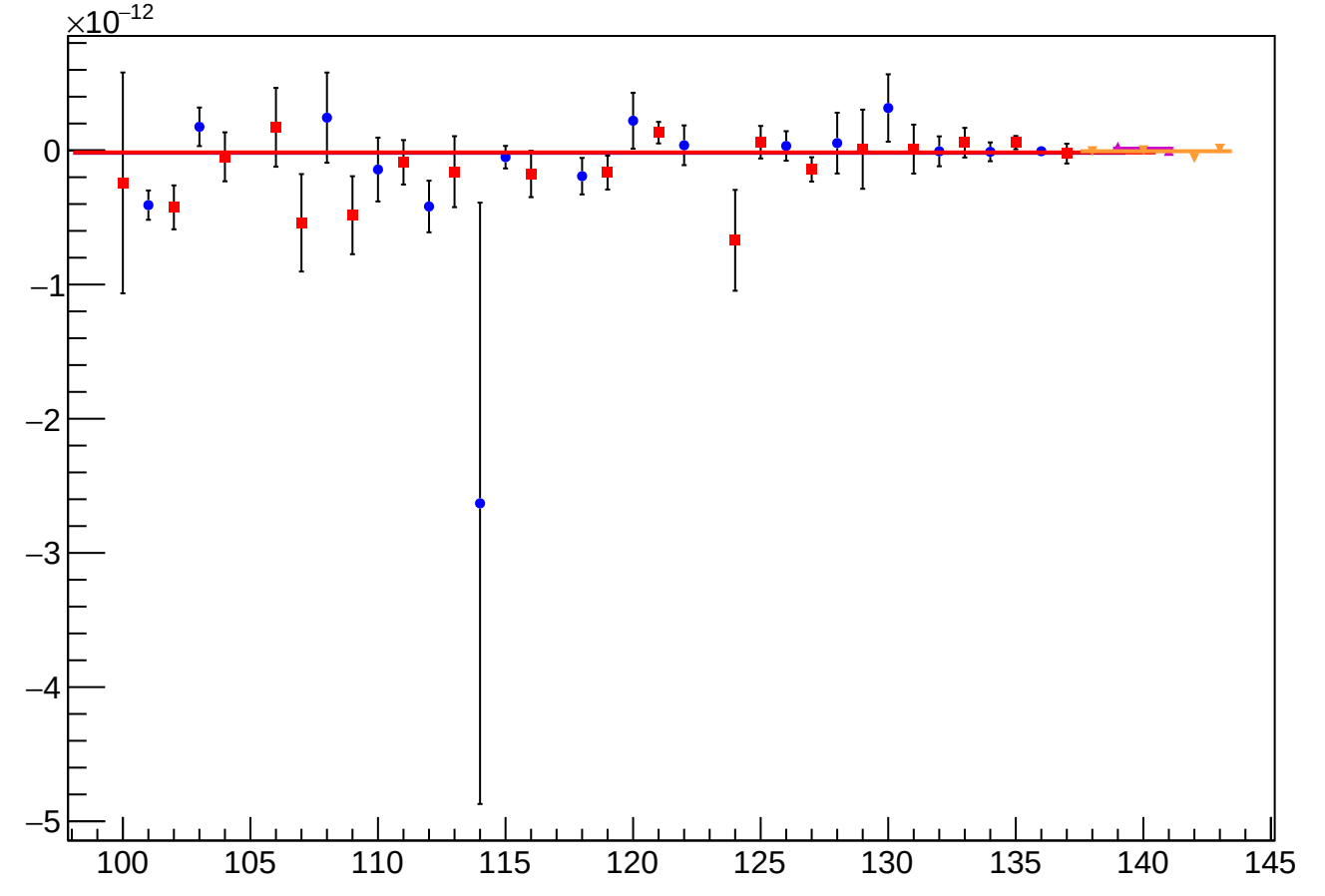
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 642.354+/-0.350 χ^2/NDF:71693.8/1

+ sign 811.985+/-0.203 χ^2/NDF: 4026001.4/19

All: 873.038+/-0.159 χ^2/NDF: 8130834.8/40

- sign 969.011+/-0.255 χ^2/NDF: 3872261.3/20



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/3

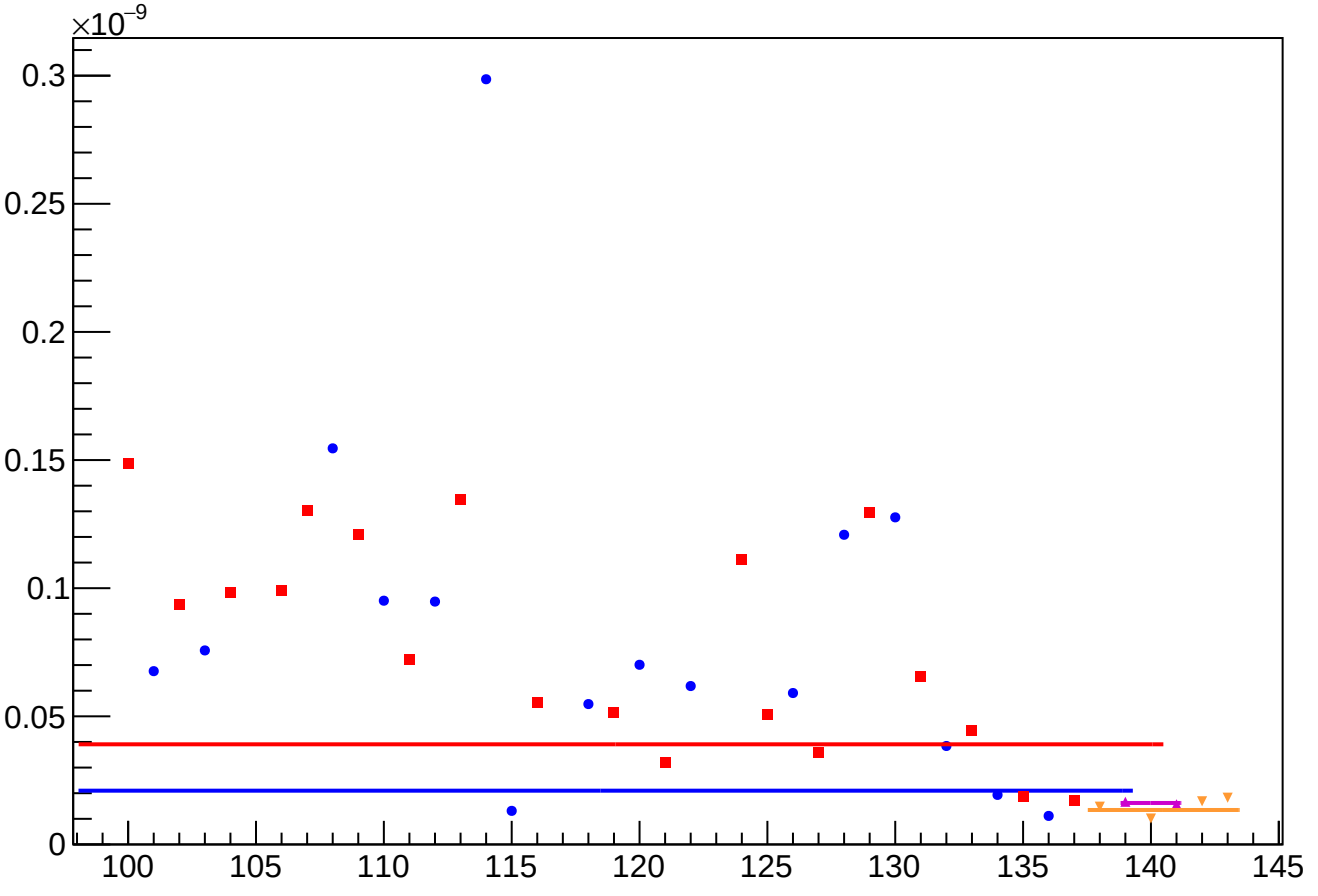
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/19

All: -0.000+/-0.000 χ^2/NDF: 57.1/40

- sign 0.000+/-0.000 χ^2/NDF: 27.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:139374.0/3

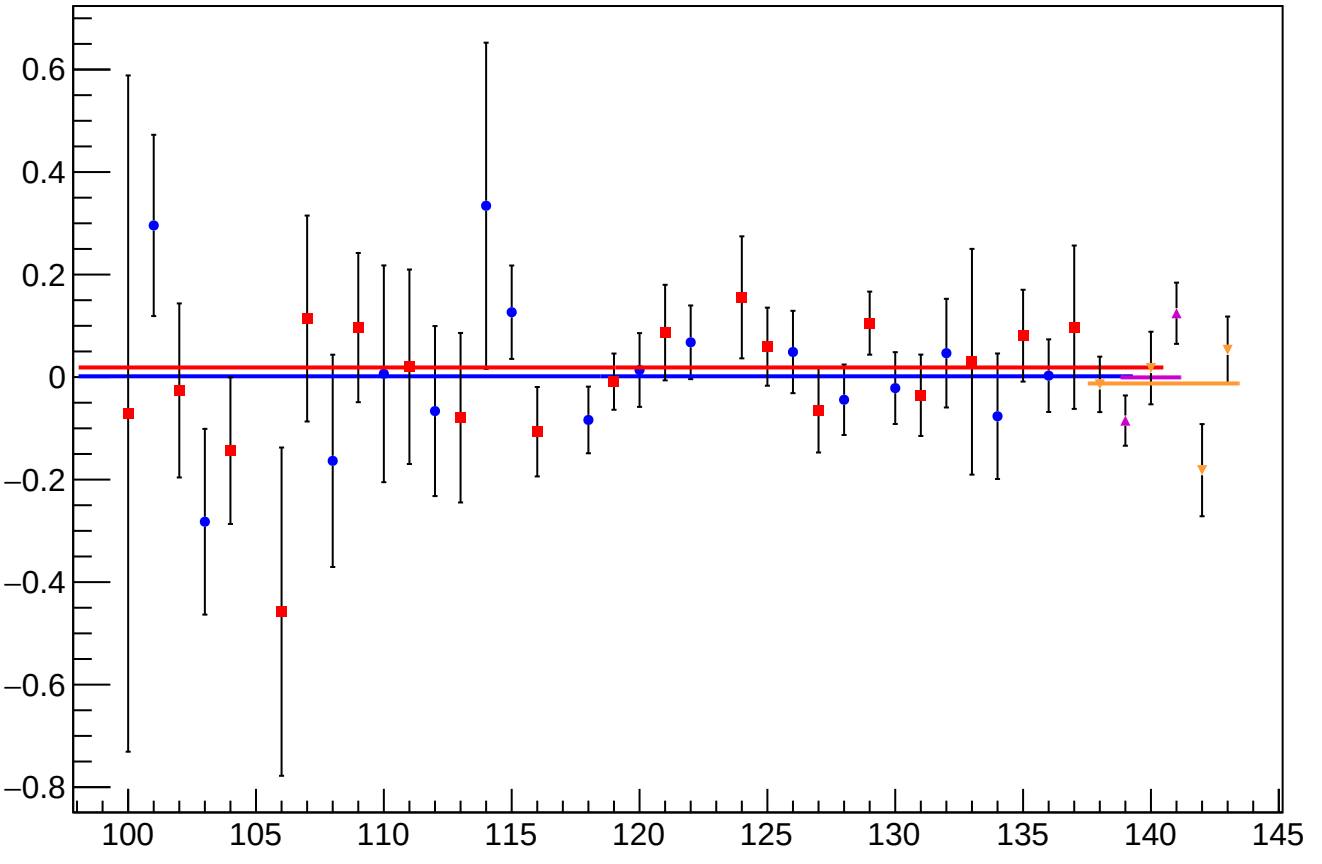
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1354.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 3761000.3/19

All: 0.000+/-0.000 χ^2/NDF: 7105225.2/40

- sign 0.000+/-0.000 χ^2/NDF: 3017124.7/20



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

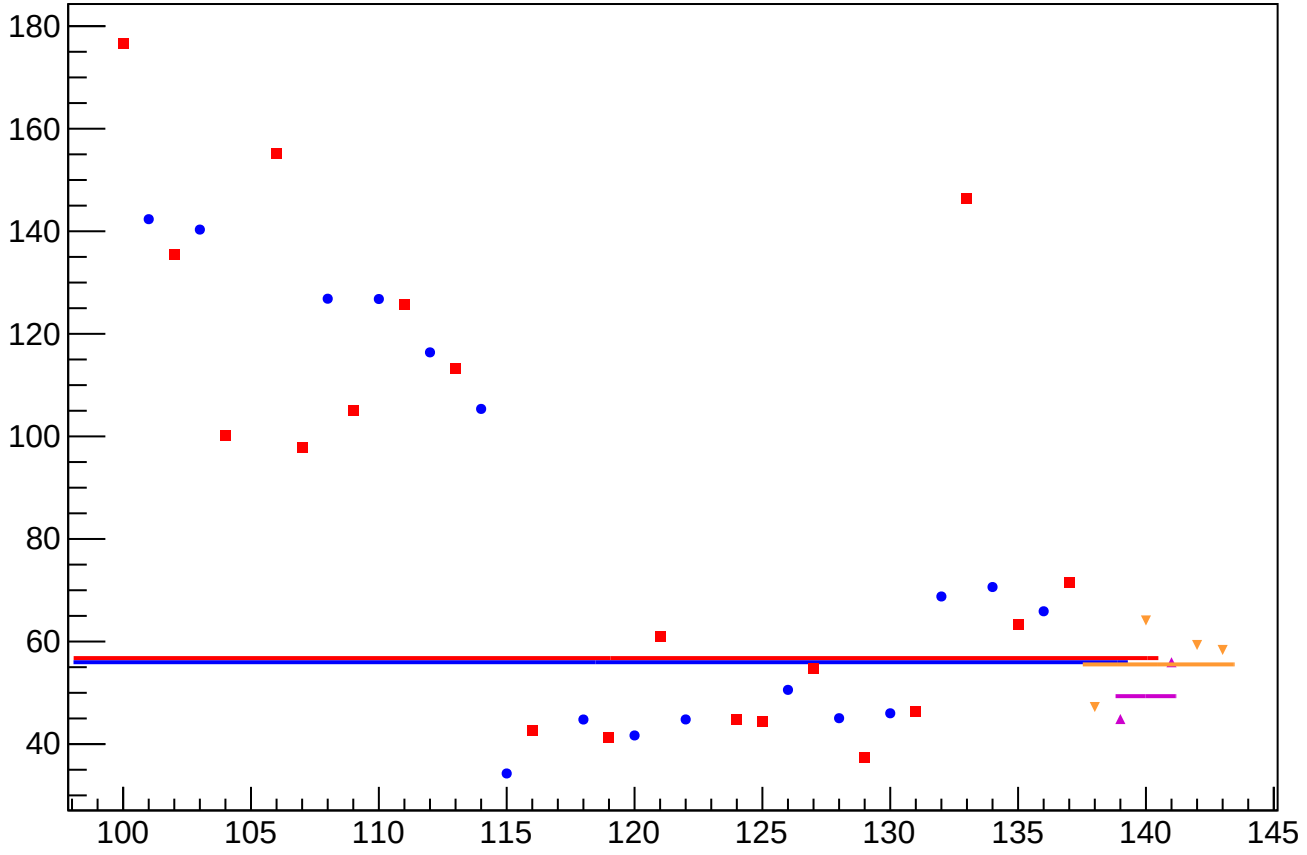
Left In: -0.001+/-0.038 χ^2/NDF:7.3/1

+ sign -0.003+/-0.019 χ^2/NDF: 17.9/19

All: 0.005+/-0.014 χ^2/NDF: 38.9/40

- sign 0.013+/-0.020 χ^2/NDF: 20.6/20

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: 55.540+/-0.024 χ^2/NDF:83845.0/3

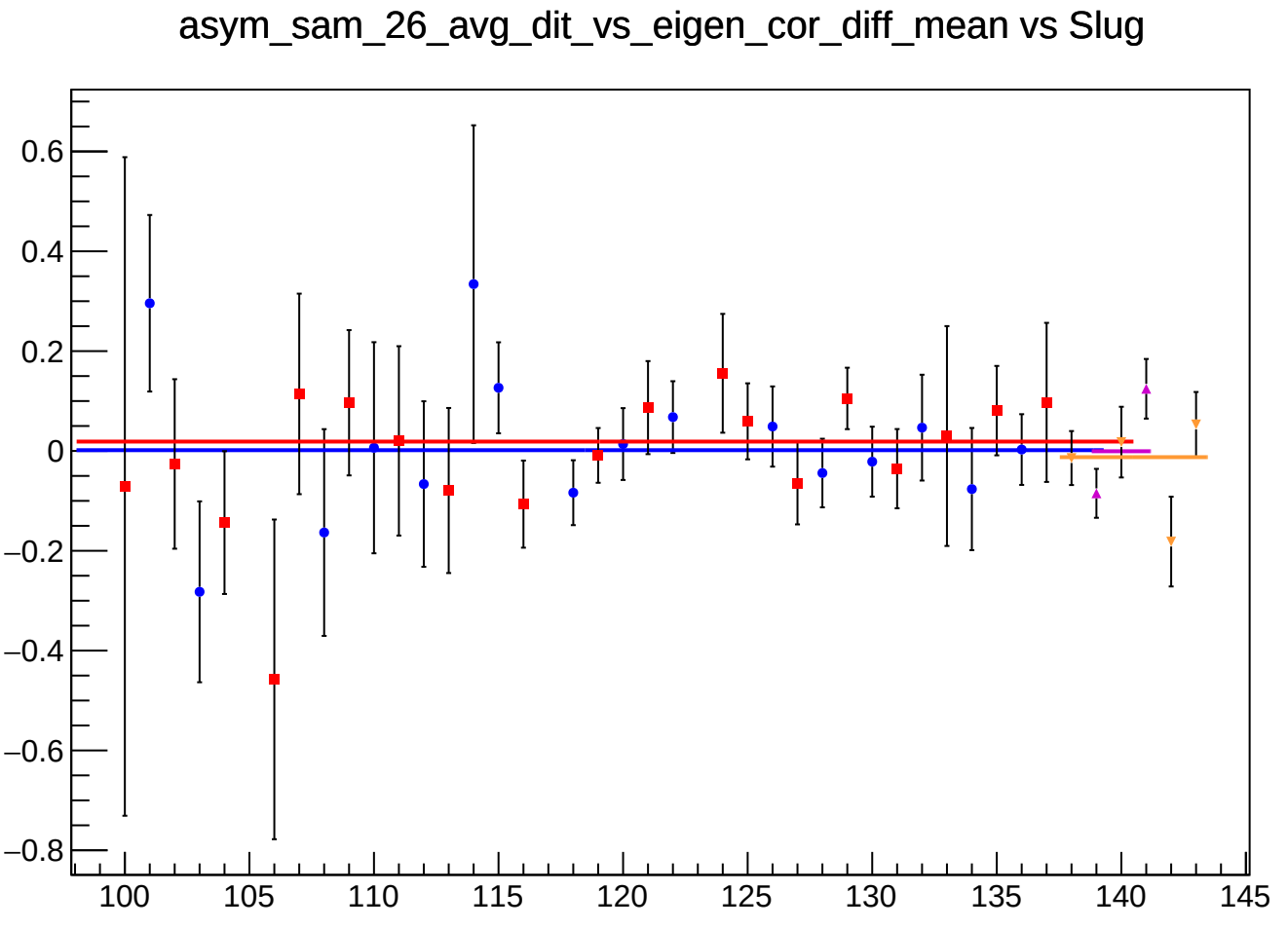
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 49.348+/-0.027 χ^2/NDF:41051.7/1

+ sign 55.827+/-0.014 χ^2/NDF: 2263895.4/19

All: 55.290+/-0.010 χ^2/NDF: 4916831.9/40

- sign 54.707+/-0.014 χ^2/NDF: 2649663.8/20



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

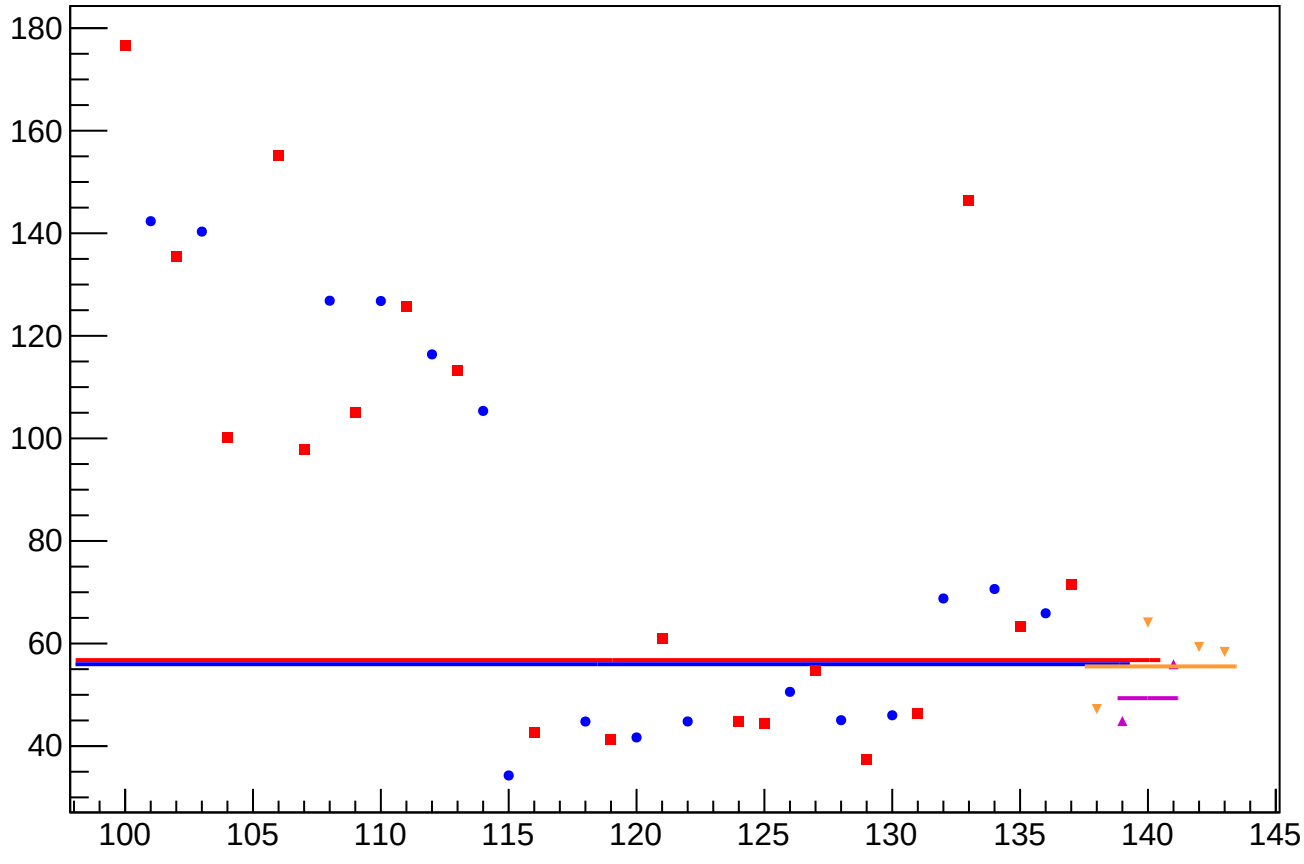
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.001+/-0.038 χ^2/NDF:7.3/1

+ sign -0.003+/-0.019 χ^2/NDF: 17.9/19

All: 0.005+/-0.014 χ^2/NDF: 38.9/40

- sign 0.013+/-0.020 χ^2/NDF: 20.6/20



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.540+/-0.024 χ^2/NDF:83845.0/3

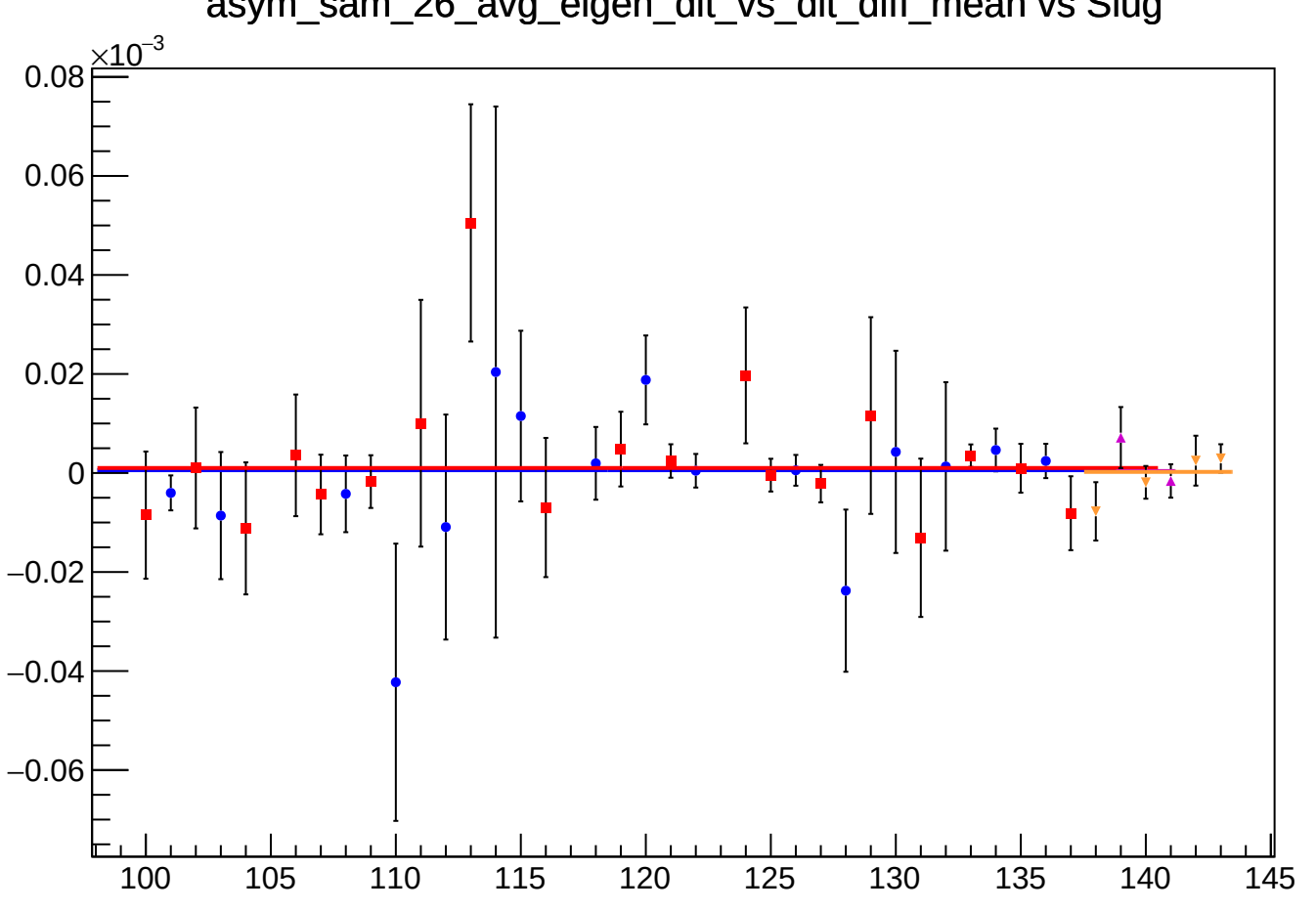
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 49.348+/-0.027 χ^2/NDF:41051.7/1

+ sign 55.827+/-0.014 χ^2/NDF: 2263895.4/19

All: 55.290+/-0.010 χ^2/NDF: 4916831.9/40

- sign 54.707+/-0.014 χ^2/NDF: 2649663.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/3

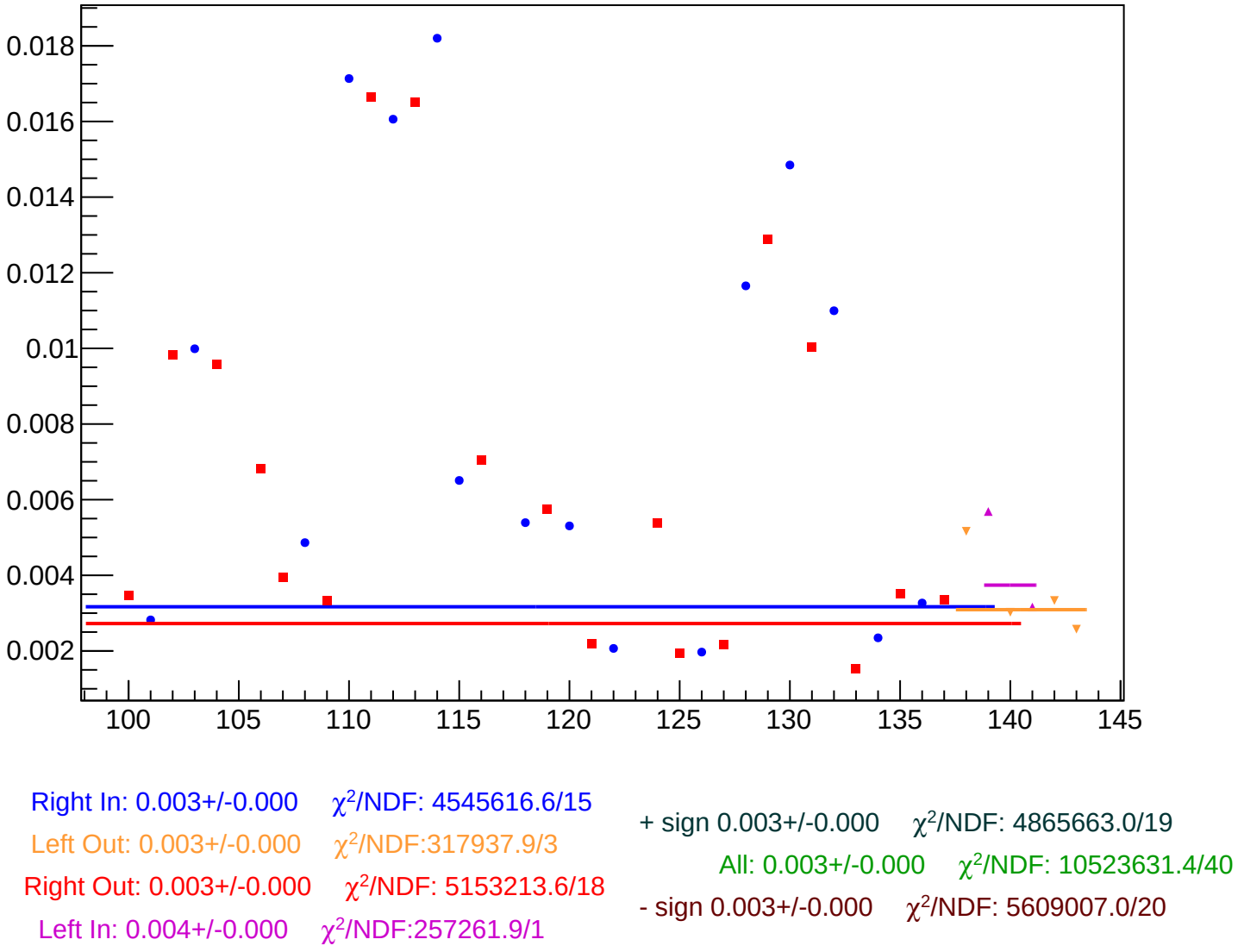
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

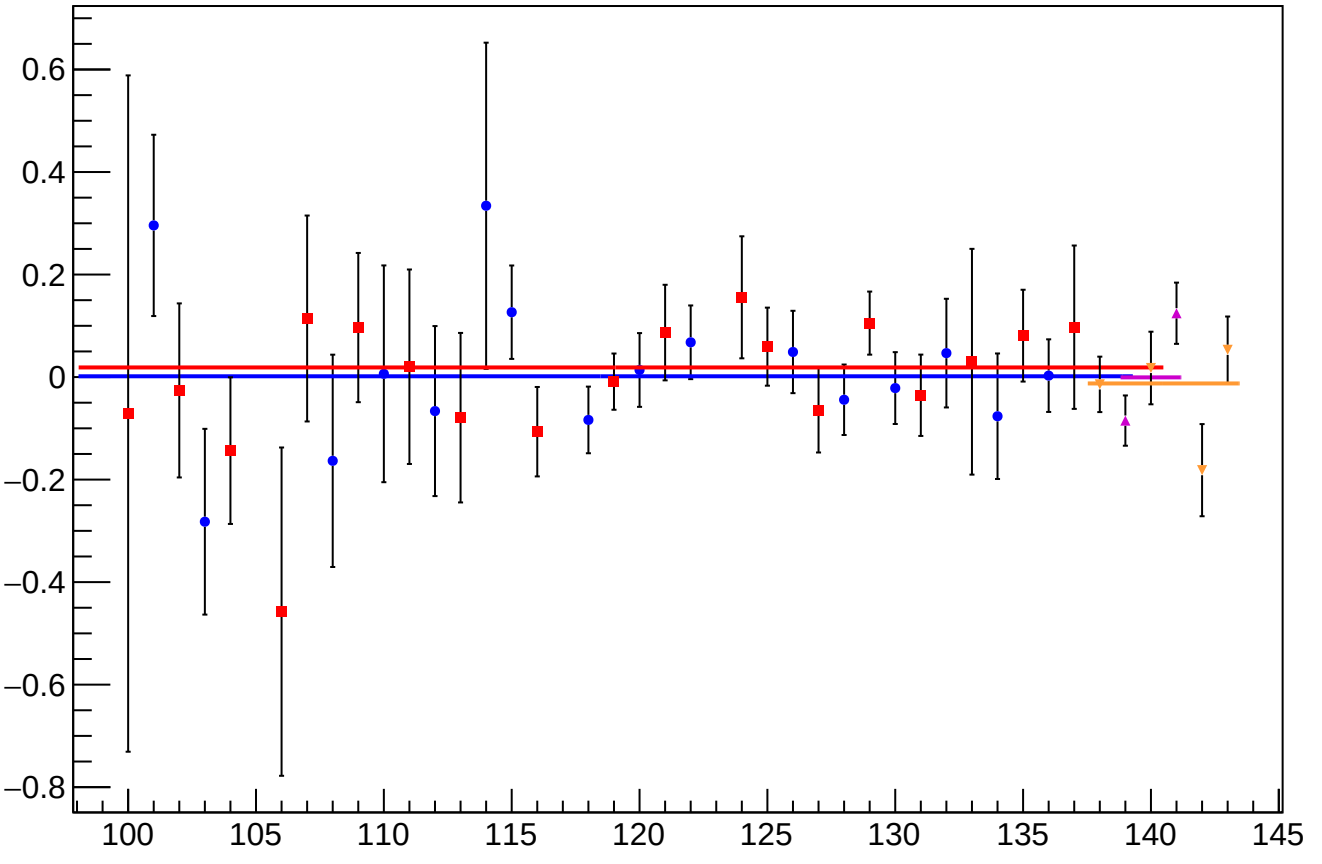
Left In: 0.000+/-0.000 χ^2/NDF:1.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 16.7/19

All: 0.000+/-0.000 χ^2/NDF: 32.1/40

- sign 0.000+/-0.000 χ^2/NDF: 15.4/20


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:317937.9/3
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.004+/-0.000 χ²/NDF:257261.9/1
+ sign 0.003+/-0.000 χ²/NDF: 4865663.0/19
All: 0.003+/-0.000 χ²/NDF: 10523631.4/40
- sign 0.003+/-0.000 χ²/NDF: 5609007.0/20



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

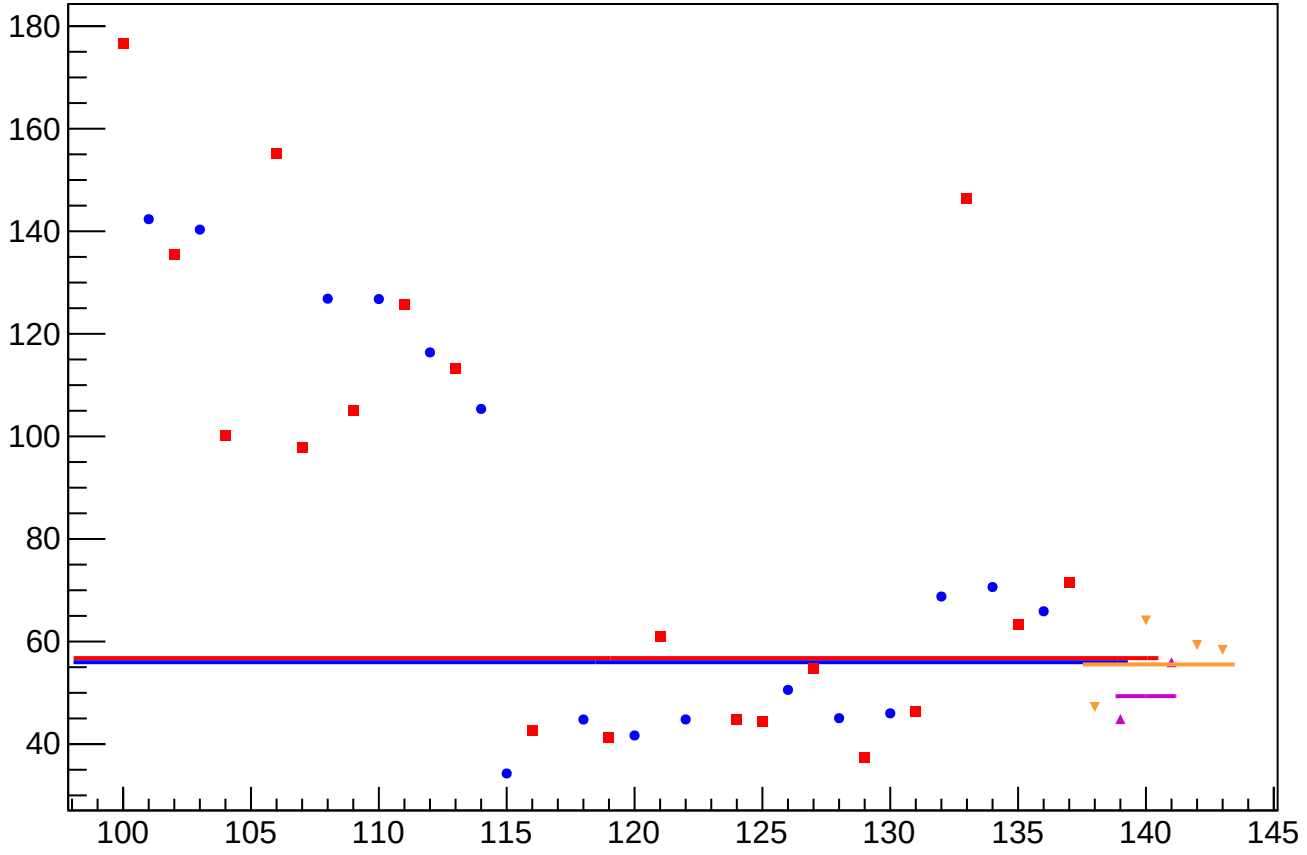
Left In: -0.001+/-0.038 χ^2/NDF:7.3/1

+ sign -0.003+/-0.019 χ^2/NDF: 17.9/19

All: 0.005+/-0.014 χ^2/NDF: 38.9/40

- sign 0.013+/-0.020 χ^2/NDF: 20.6/20

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: 55.540+/-0.024 χ^2/NDF:83855.8/3

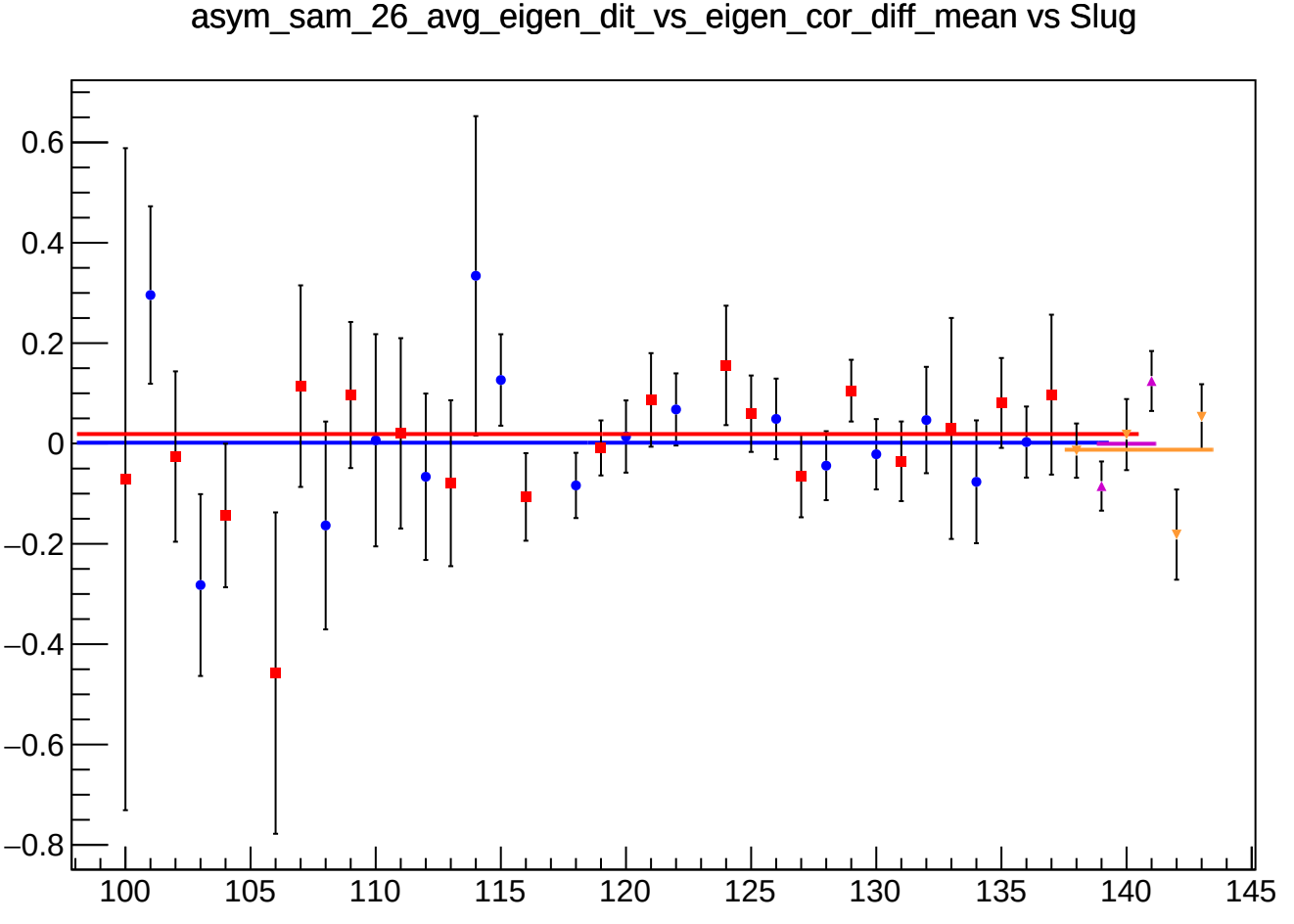
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 49.349+/-0.027 χ^2/NDF:41056.9/1

+ sign 55.826+/-0.014 χ^2/NDF: 2263834.1/19

All: 55.290+/-0.010 χ^2/NDF: 4916703.0/40

- sign 54.707+/-0.014 χ^2/NDF: 2649596.3/20



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

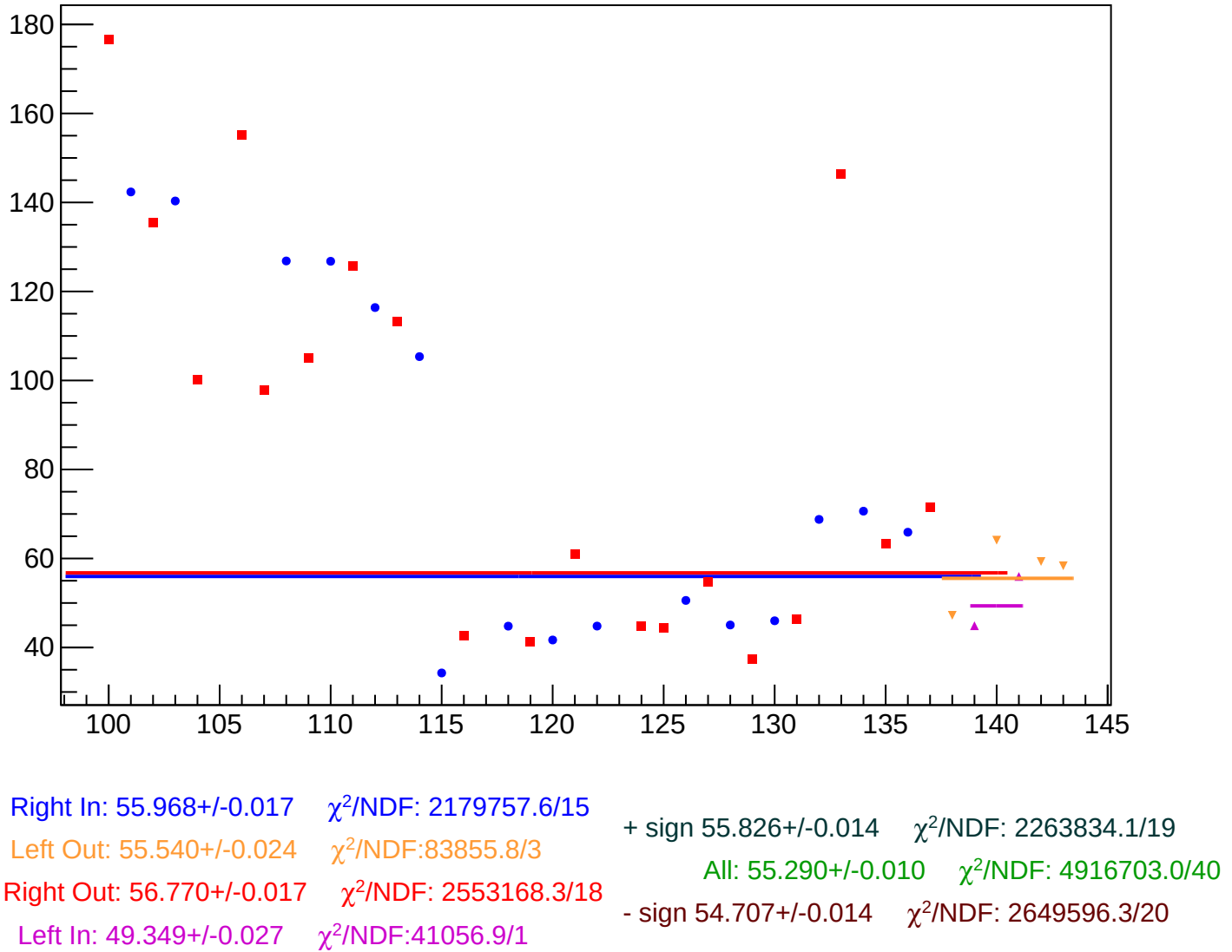
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

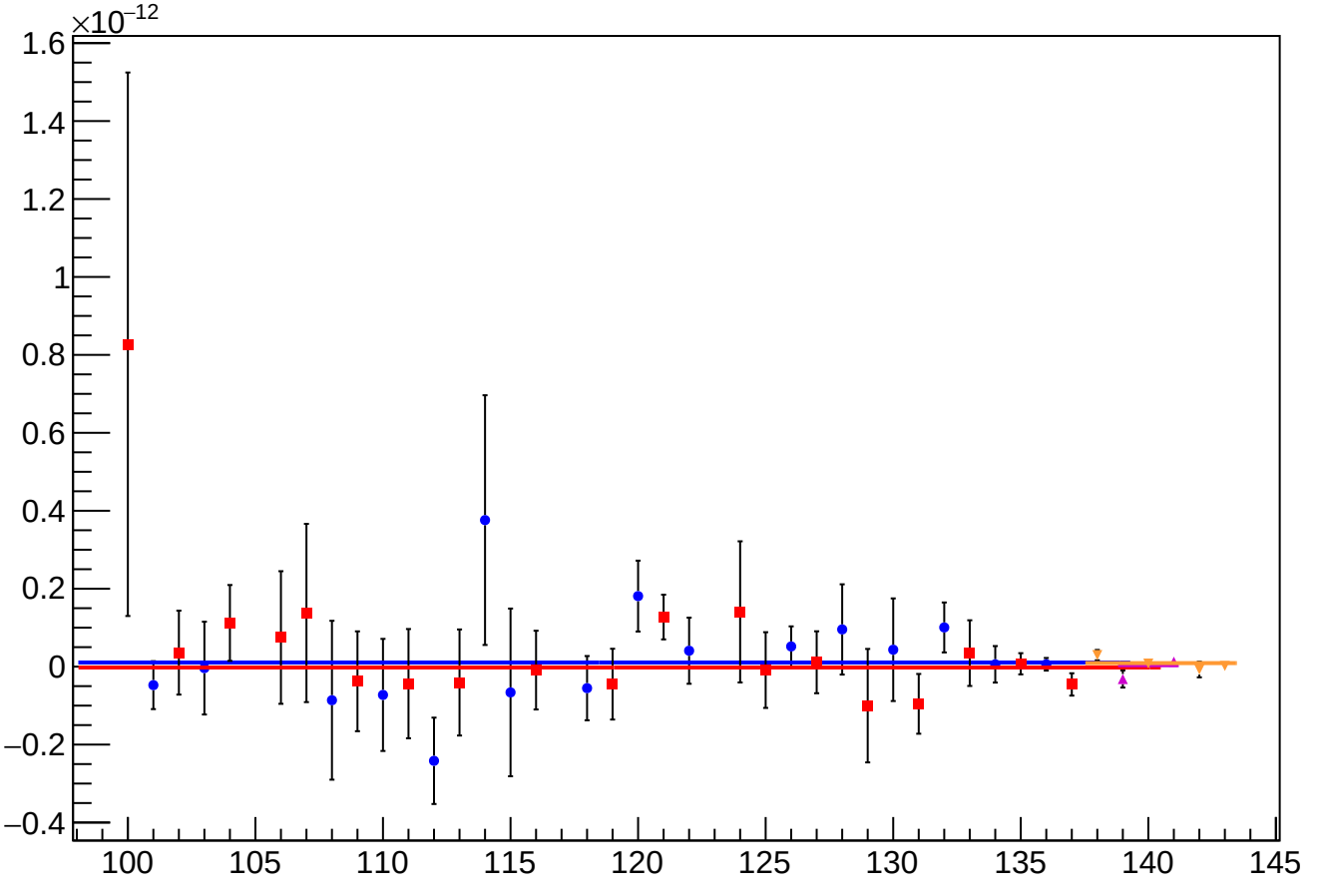
Left In: -0.001+/-0.038 χ^2/NDF:7.3/1

+ sign -0.003+/-0.019 χ^2/NDF: 17.9/19

All: 0.005+/-0.014 χ^2/NDF: 38.9/40

- sign 0.013+/-0.020 χ^2/NDF: 20.6/20


asym_sam_26_avg_eigen_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: 2179757.6/15
Left Out: 55.540+/-0.024 χ²/NDF:83855.8/3
Right Out: 56.770+/-0.017 χ²/NDF: 2553168.3/18
Left In: 49.349+/-0.027 χ²/NDF:41056.9/1
+ sign 55.826+/-0.014 χ²/NDF: 2263834.1/19
All: 55.290+/-0.010 χ²/NDF: 4916703.0/40
- sign 54.707+/-0.014 χ²/NDF: 2649596.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/3

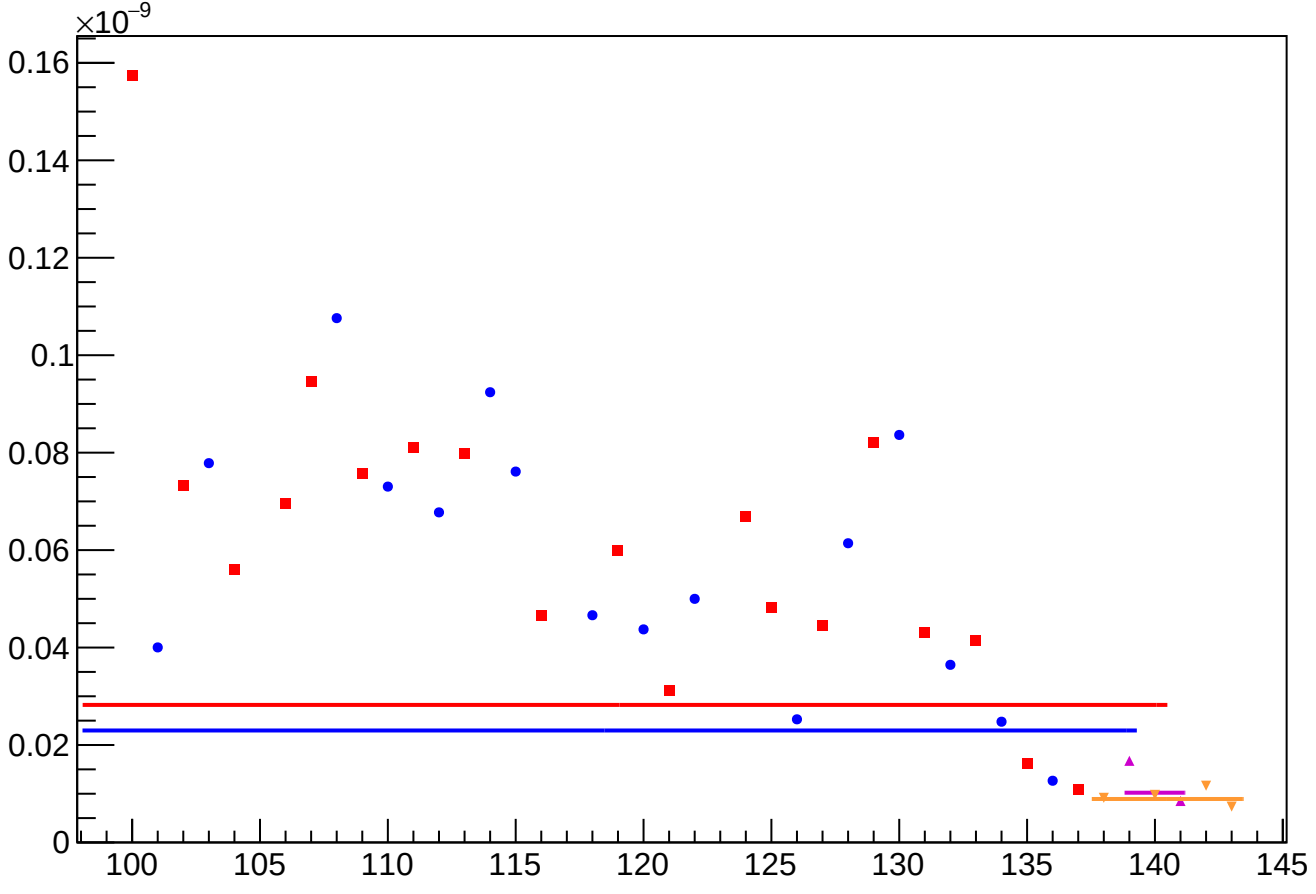
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/19

All: 0.000+/-0.000 χ^2/NDF: 37.4/40

- sign 0.000+/-0.000 χ^2/NDF: 17.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:91654.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

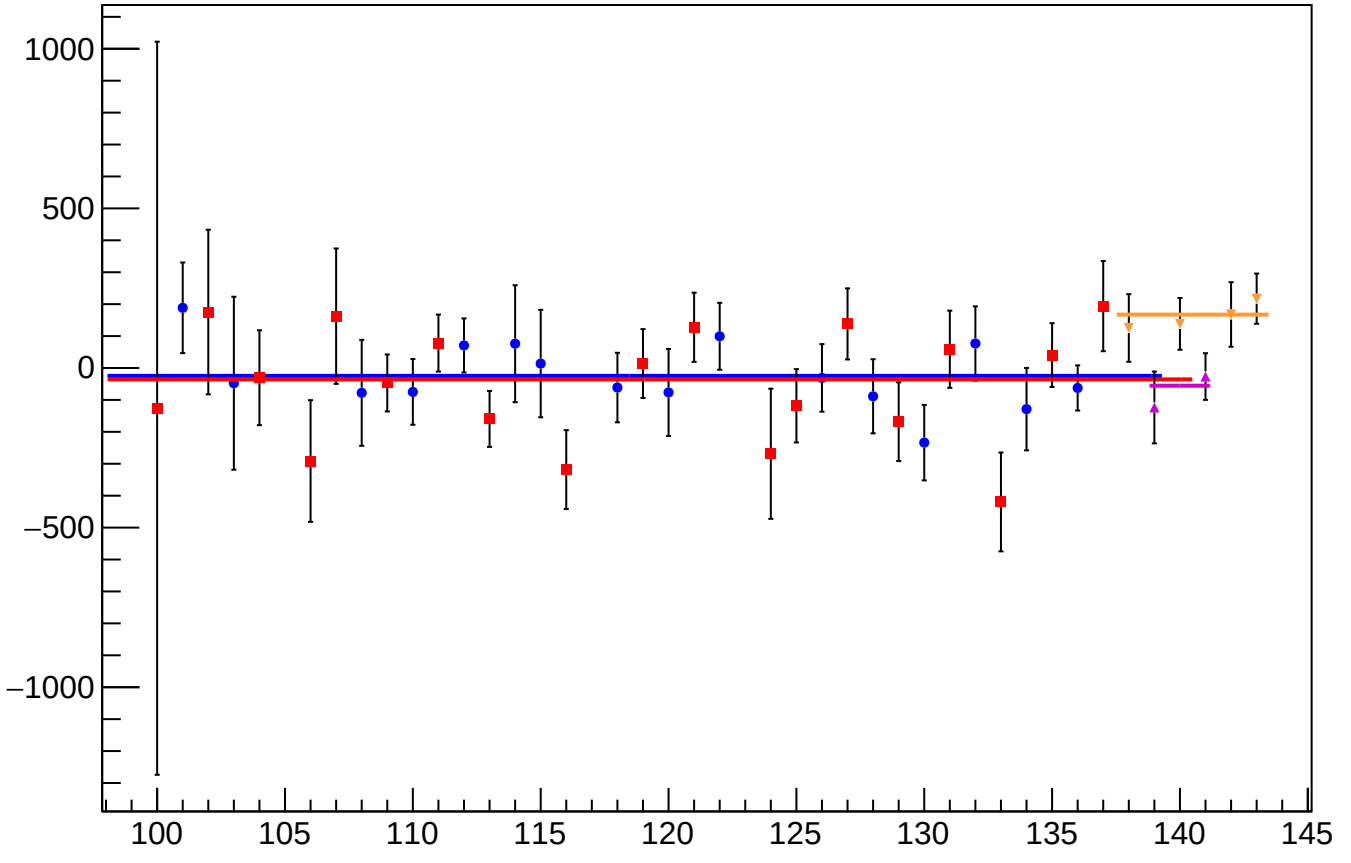
Left In: 0.000+/-0.000 χ^2/NDF:224968.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 5713288.5/19

All: 0.000+/-0.000 χ^2/NDF: 11949568.1/40

- sign 0.000+/-0.000 χ^2/NDF: 5960723.2/20

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.178+/-44.700 χ^2/NDF:0.7/3

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

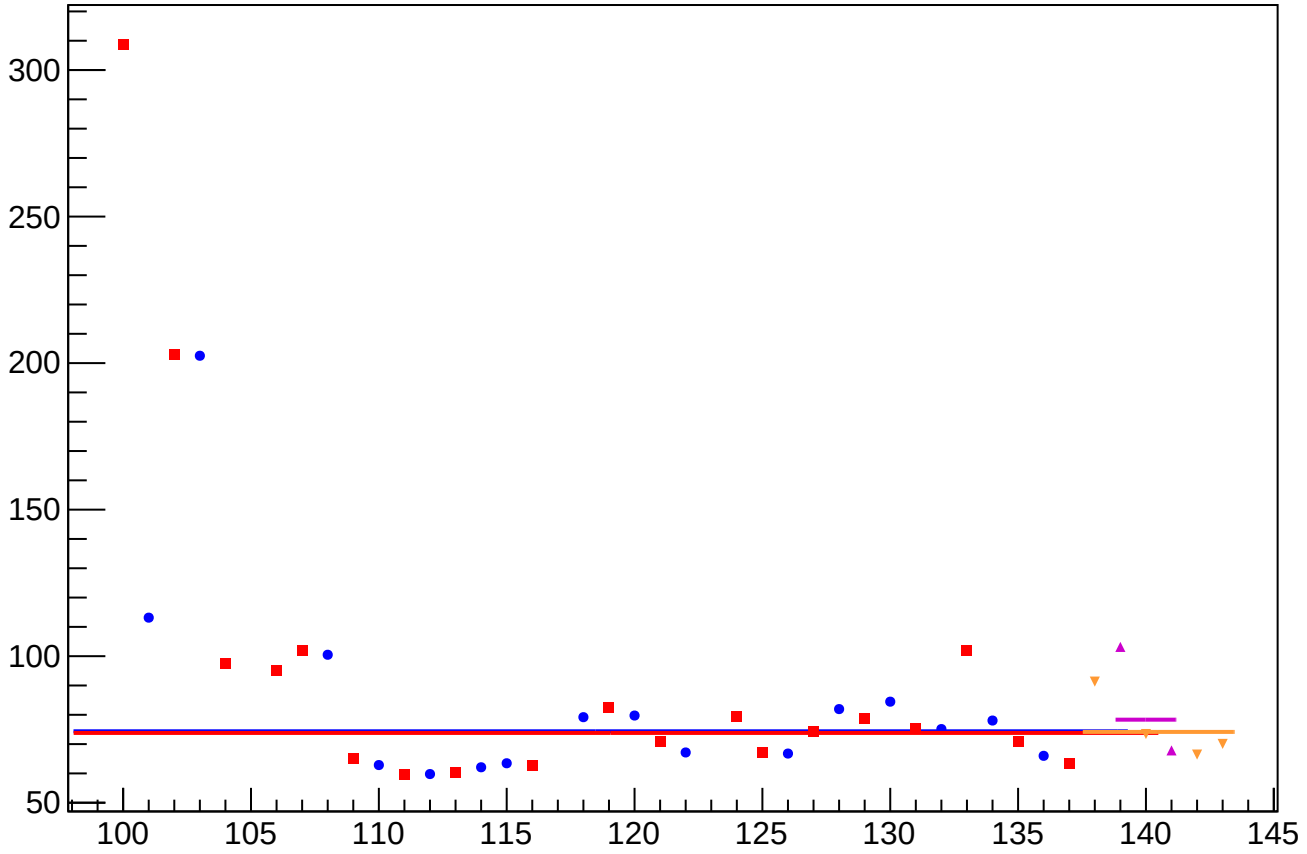
Left In: -55.483+/-61.307 χ^2/NDF:0.5/1

+ sign 31.945+/-24.277 χ^2/NDF: 24.7/19

All: -1.409+/-17.683 χ^2/NDF: 59.4/40

- sign -39.109+/-25.810 χ^2/NDF: 30.7/20

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

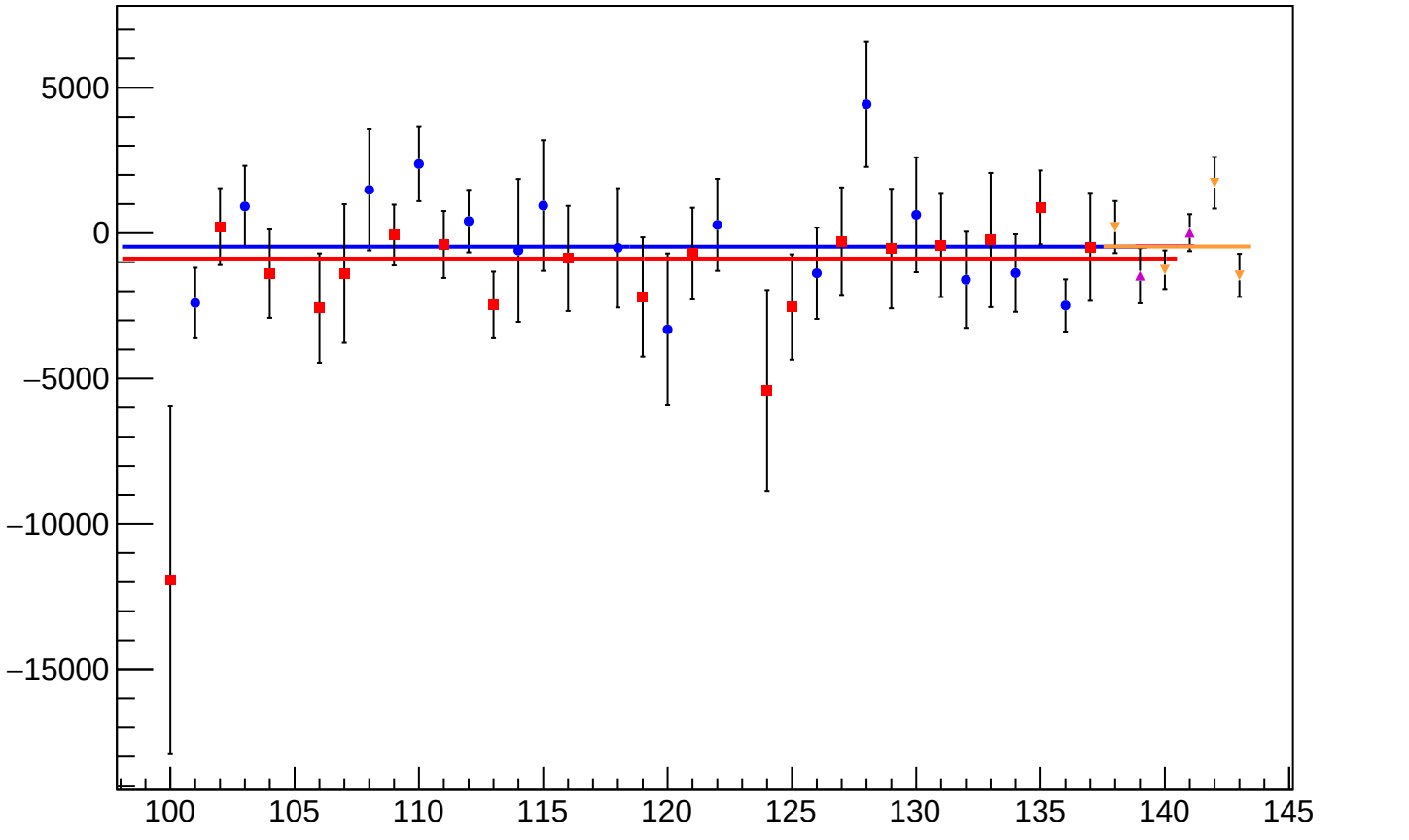
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 78.336+/-0.043 χ^2/NDF:138533.9/1

+ sign 74.308+/-0.017 χ^2/NDF: 897350.5/19

All: 74.453+/-0.013 χ^2/NDF: 1976934.9/40

- sign 74.616+/-0.018 χ^2/NDF: 1079432.7/20



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -460.227+/-388.596 χ^2/NDF:9.9/3

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

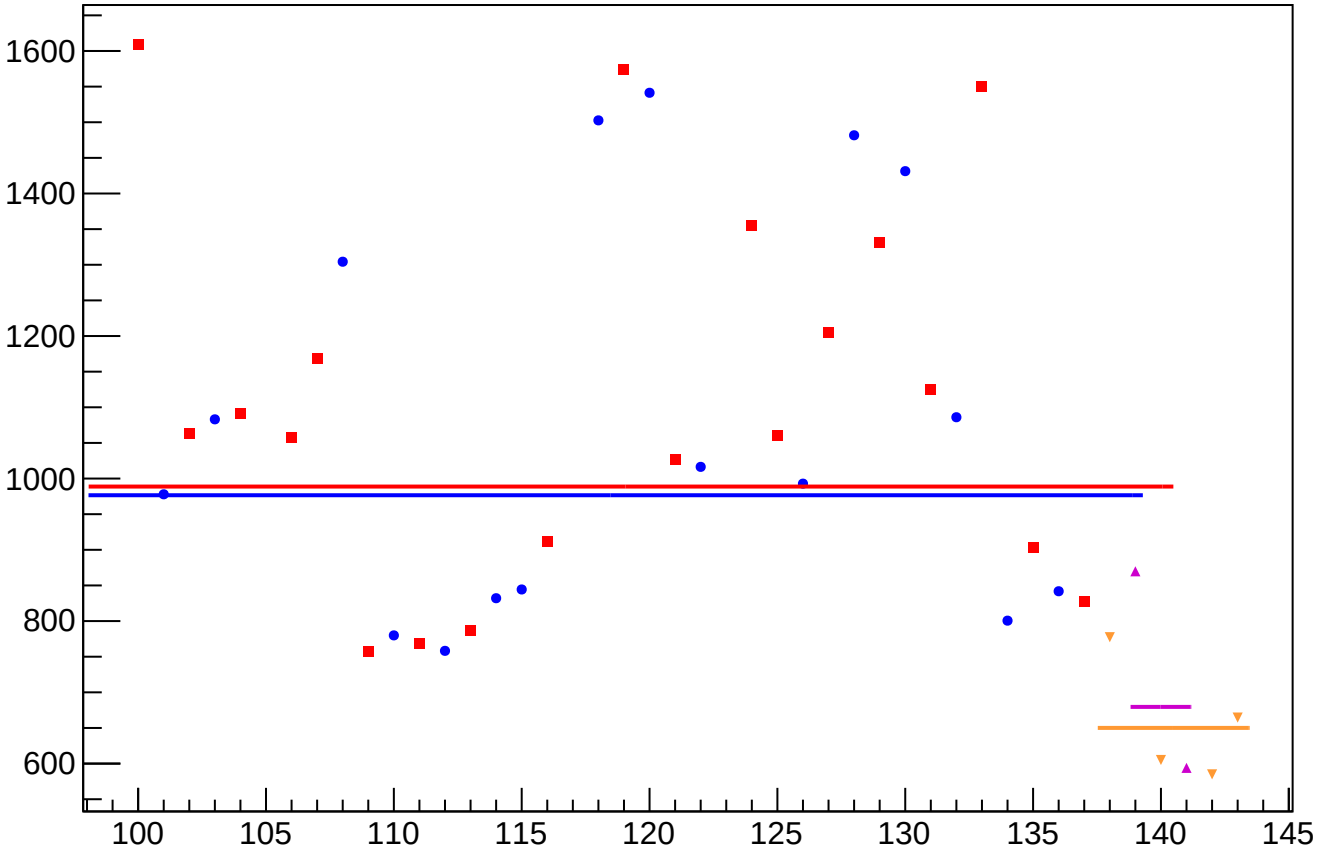
Left In: -444.049+/-527.854 χ^2/NDF:1.7/1

+ sign -463.487+/-269.855 χ^2/NDF: 33.6/19

All: -581.779+/-201.873 χ^2/NDF: 49.3/40

- sign -732.103+/-304.206 χ^2/NDF: 15.2/20

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 650.089+/-0.275 χ^2/NDF:61265.8/3

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

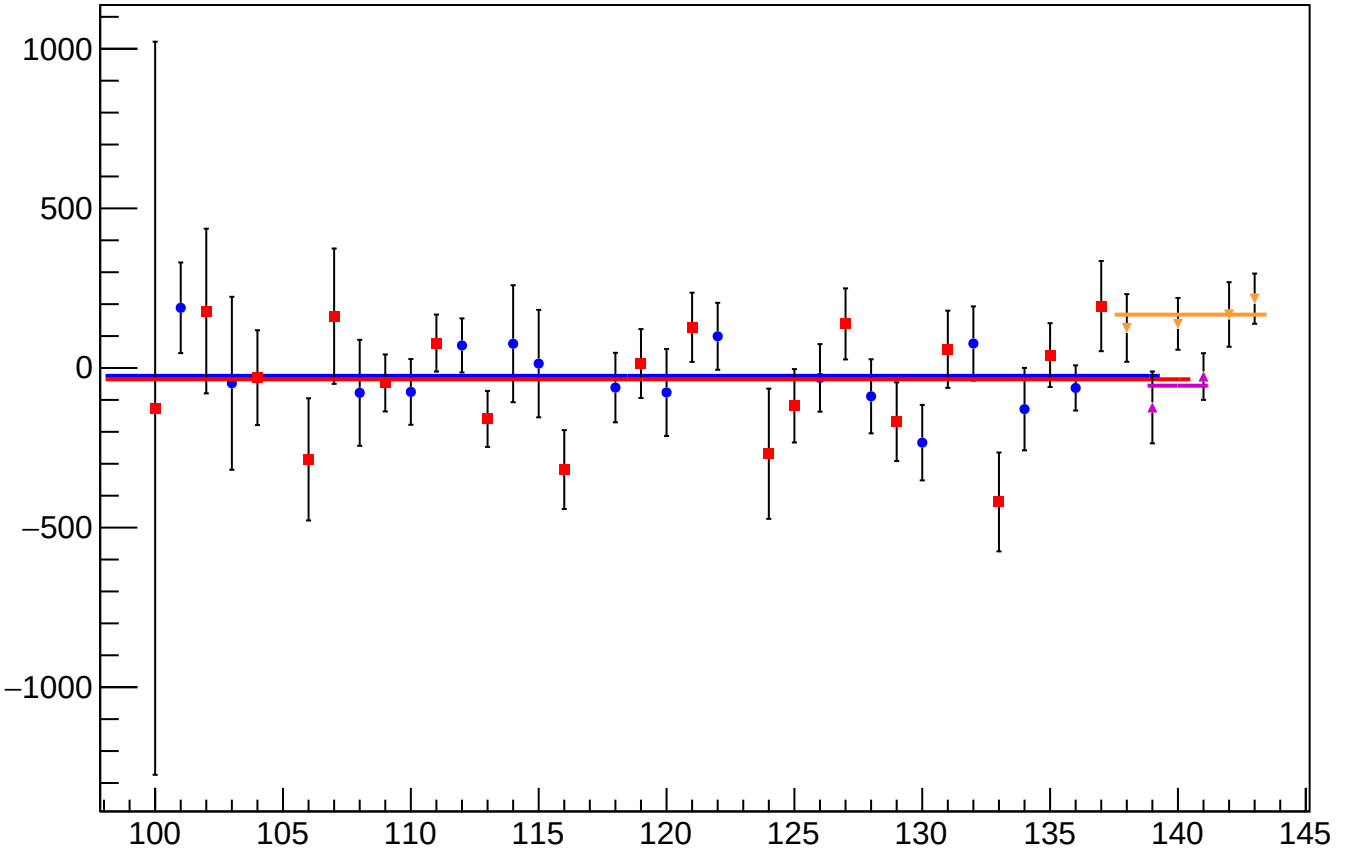
Left In: 679.566+/-0.373 χ^2/NDF:116839.3/1

+ sign 819.134+/-0.191 χ^2/NDF: 1528861.2/19

All: 848.611+/-0.143 χ^2/NDF: 2873908.8/40

- sign 886.070+/-0.215 χ^2/NDF: 1290859.3/20

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.181+/-44.700 χ^2/NDF:0.7/3

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

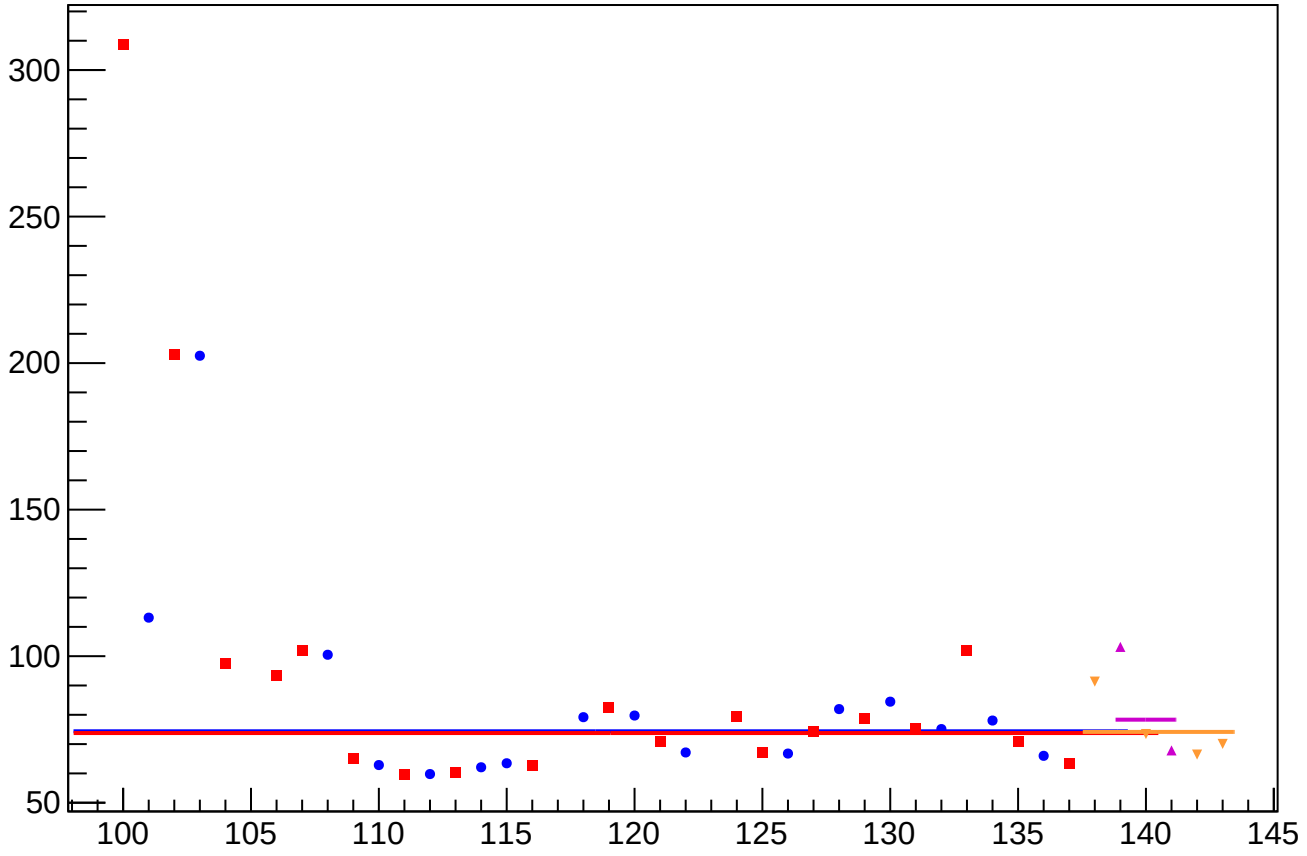
Left In: -55.483+/-61.307 χ^2/NDF:0.5/1

+ sign 31.940+/-24.277 χ^2/NDF: 24.7/19

All: -1.332+/-17.684 χ^2/NDF: 59.3/40

- sign -38.946+/-25.812 χ^2/NDF: 30.6/20

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

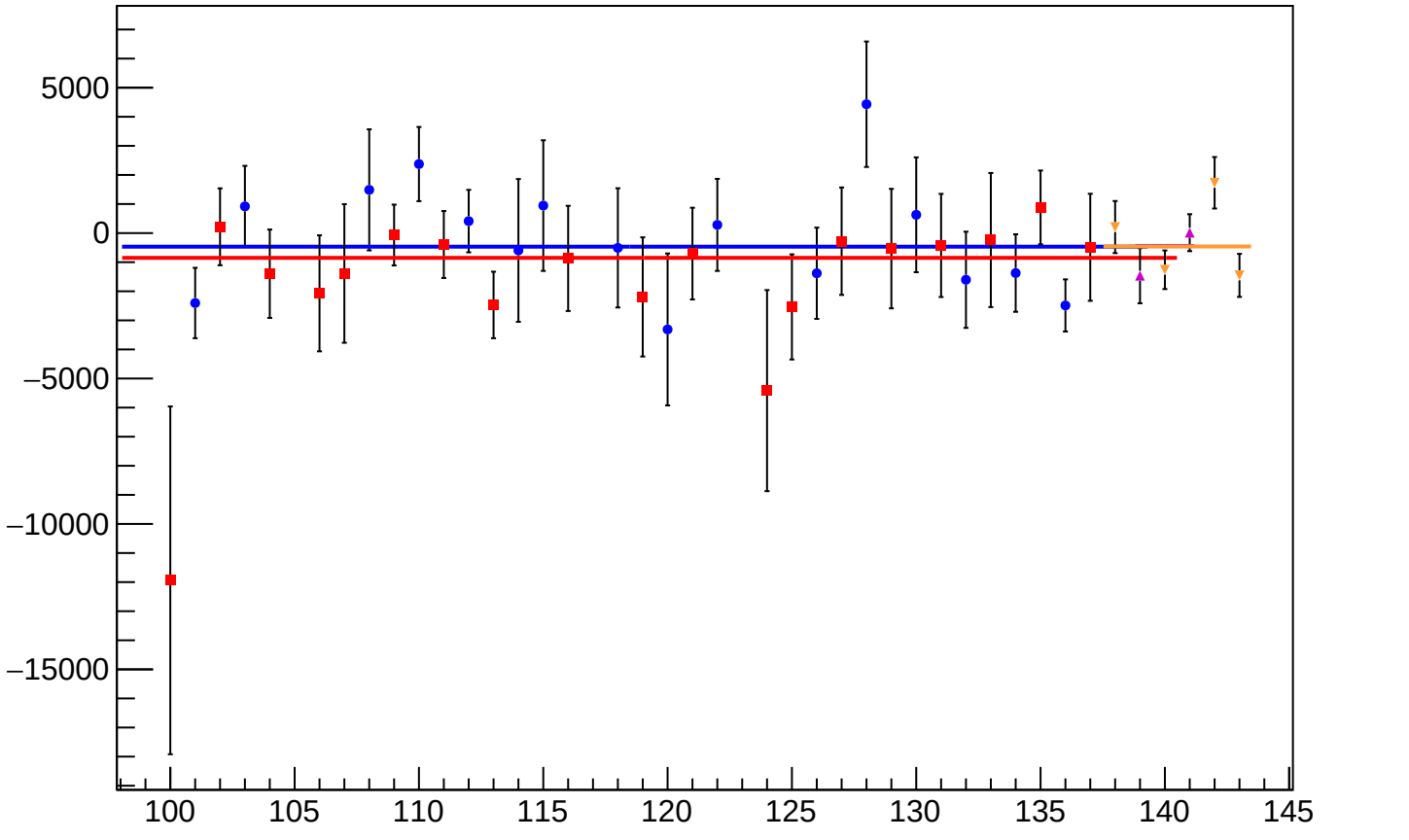
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 78.336+/-0.043 χ^2/NDF:138533.9/1

+ sign 74.308+/-0.017 χ^2/NDF: 897352.6/19

All: 74.436+/-0.013 χ^2/NDF: 1973286.1/40

- sign 74.582+/-0.018 χ^2/NDF: 1075813.7/20



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -460.216+/-388.595 χ^2/NDF:9.9/3

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

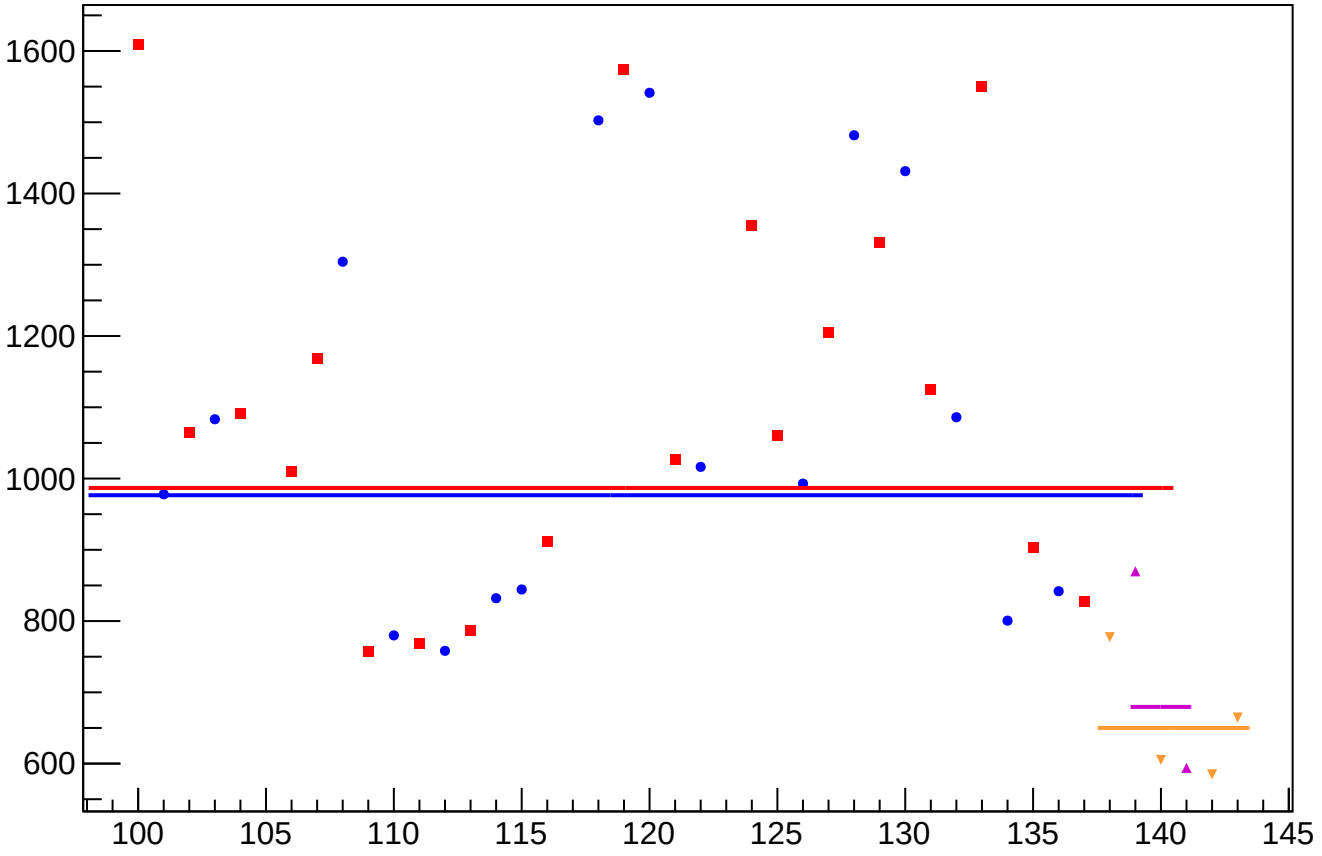
Left In: -444.051+/-527.855 χ^2/NDF:1.7/1

+ sign -463.475+/-269.856 χ^2/NDF: 33.6/19

All: -574.168+/-202.009 χ^2/NDF: 48.7/40

- sign -715.265+/-304.671 χ^2/NDF: 14.7/20

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 650.088+/-0.275 χ^2/NDF:61265.8/3

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

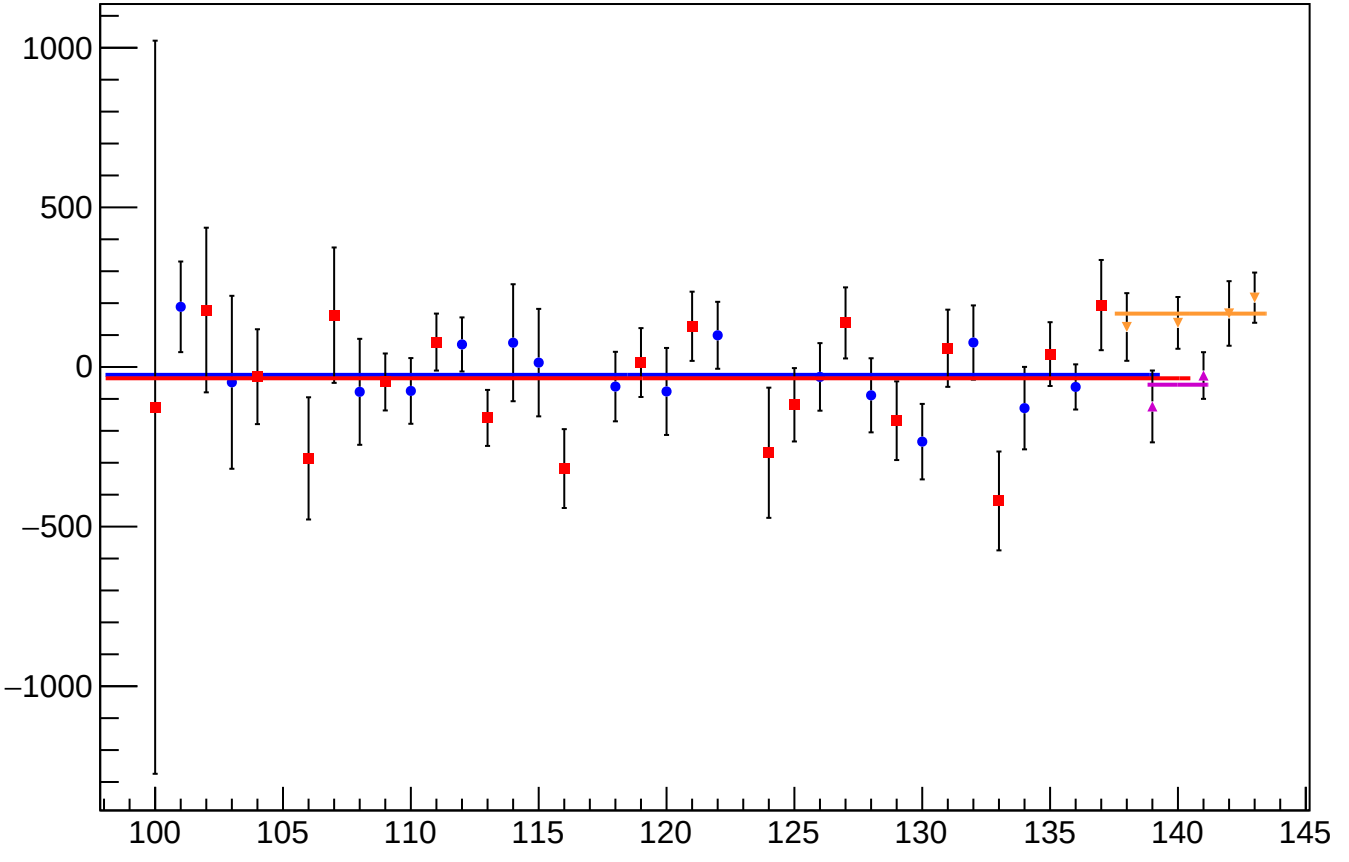
Left In: 679.567+/-0.373 χ^2/NDF:116837.9/1

+ sign 819.135+/-0.191 χ^2/NDF: 1528909.6/19

All: 847.855+/-0.143 χ^2/NDF: 2862481.0/40

- sign 884.462+/-0.215 χ^2/NDF: 1282045.1/20

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.181+/-44.700 χ^2/NDF:0.7/3

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

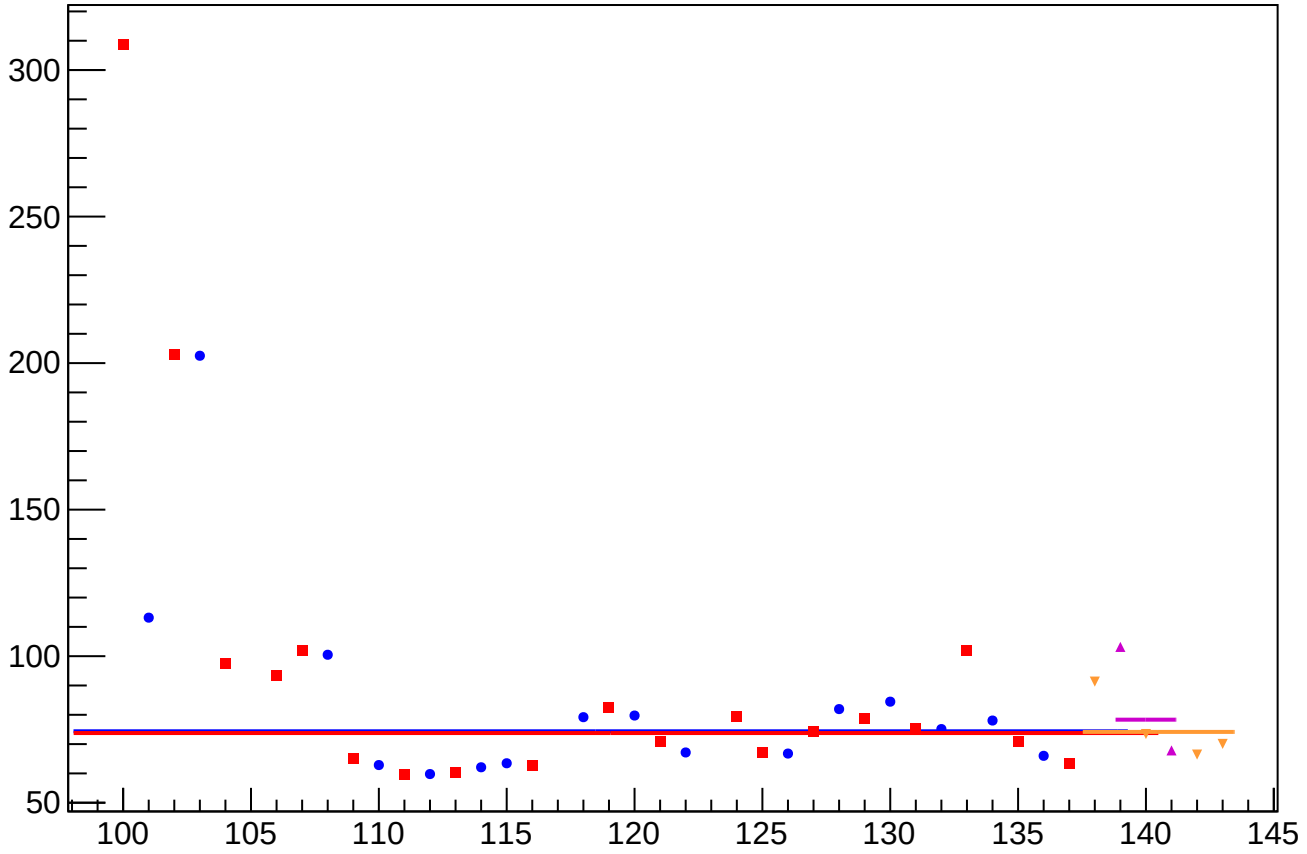
Left In: -55.483+/-61.307 χ^2/NDF:0.5/1

+ sign 31.940+/-24.277 χ^2/NDF: 24.7/19

All: -1.332+/-17.684 χ^2/NDF: 59.3/40

- sign -38.946+/-25.812 χ^2/NDF: 30.6/20

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

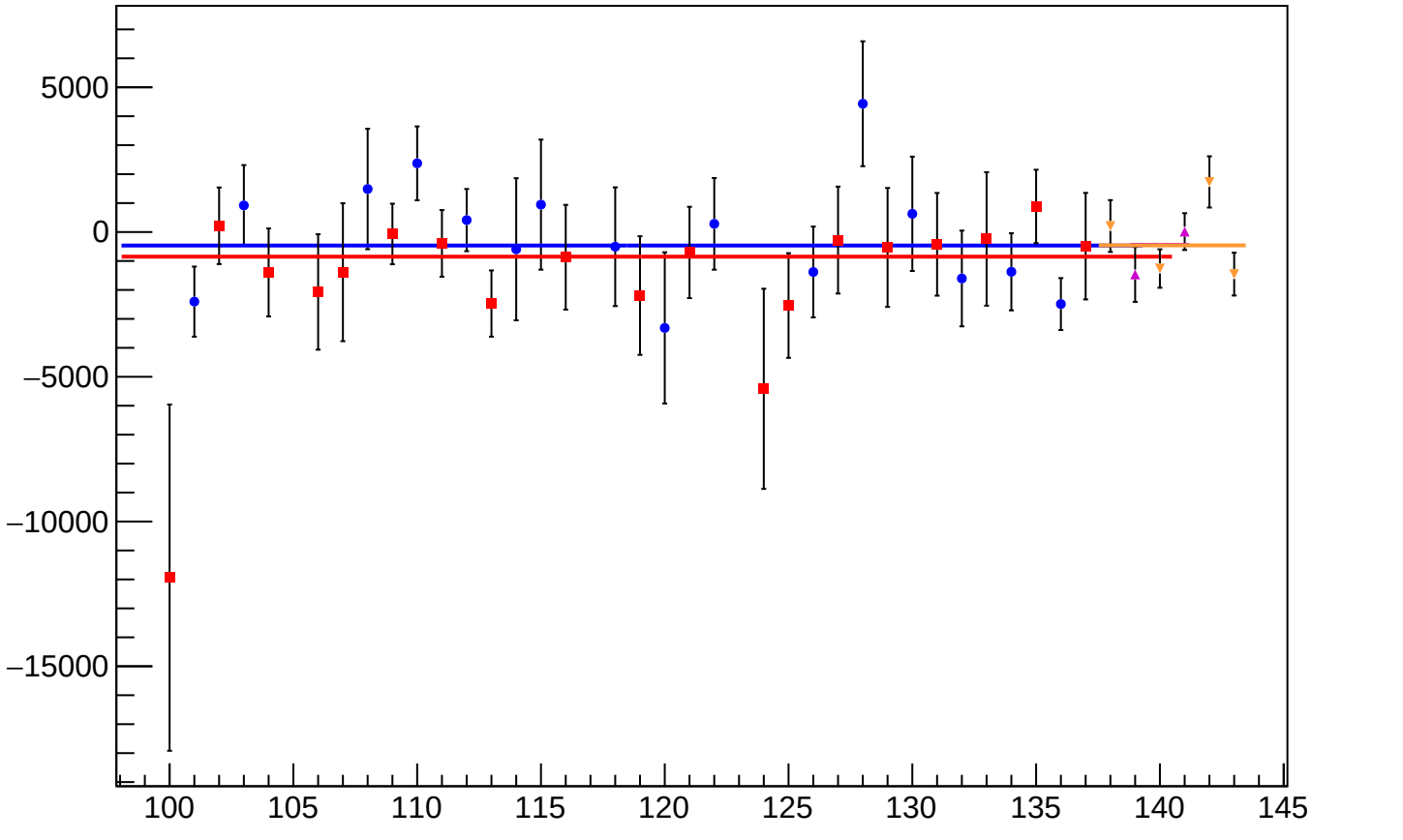
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 78.336+/-0.043 χ^2/NDF:138533.9/1

+ sign 74.308+/-0.017 χ^2/NDF: 897352.6/19

All: 74.436+/-0.013 χ^2/NDF: 1973286.1/40

- sign 74.582+/-0.018 χ^2/NDF: 1075813.7/20



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -460.216+/-388.595 χ^2/NDF:9.9/3

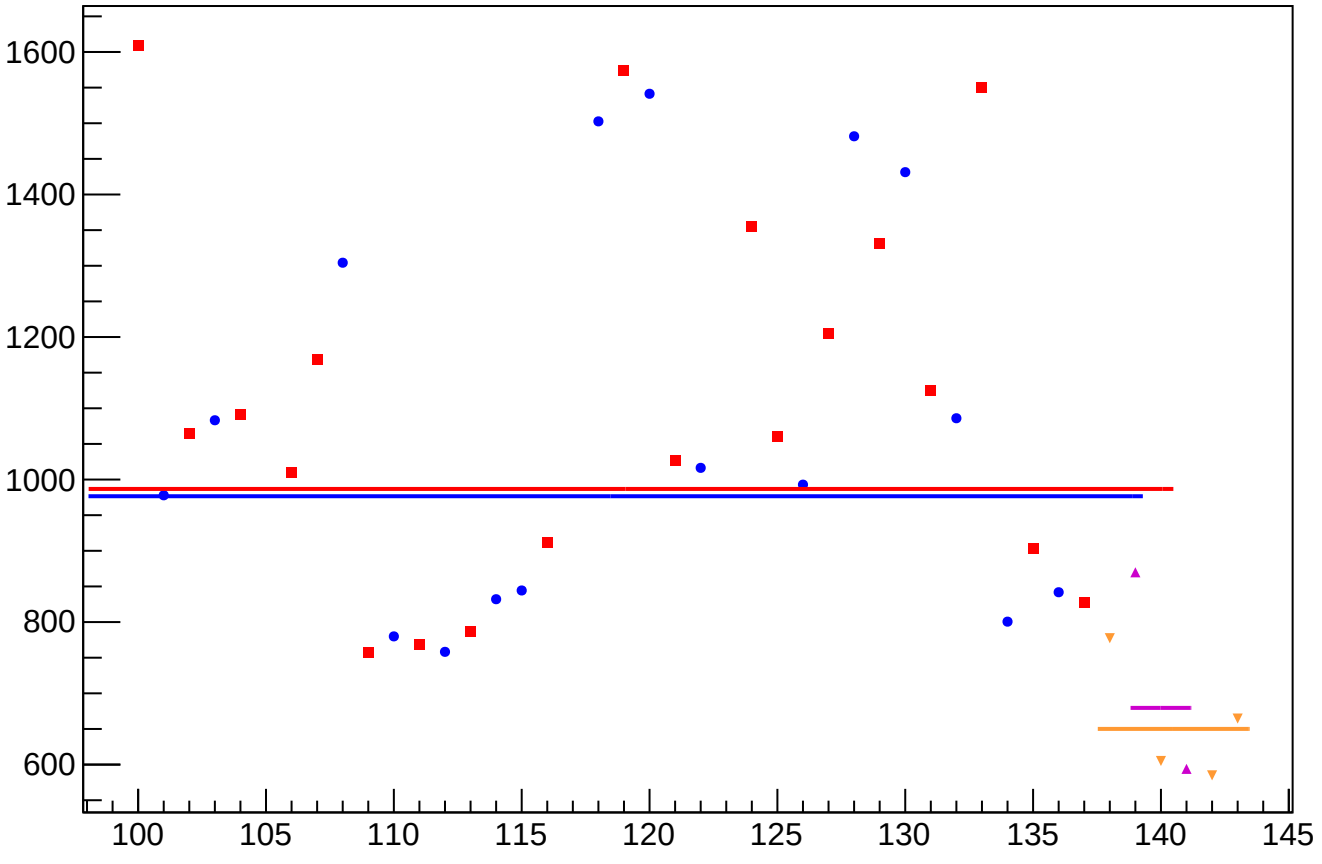
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -444.051+/-527.855 χ^2/NDF:1.7/1

+ sign -463.475+/-269.856 χ^2/NDF: 33.6/19

All: -574.168+/-202.009 χ^2/NDF: 48.7/40

- sign -715.265+/-304.671 χ^2/NDF: 14.7/20



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 650.088+/-0.275 χ^2/NDF:61265.8/3

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

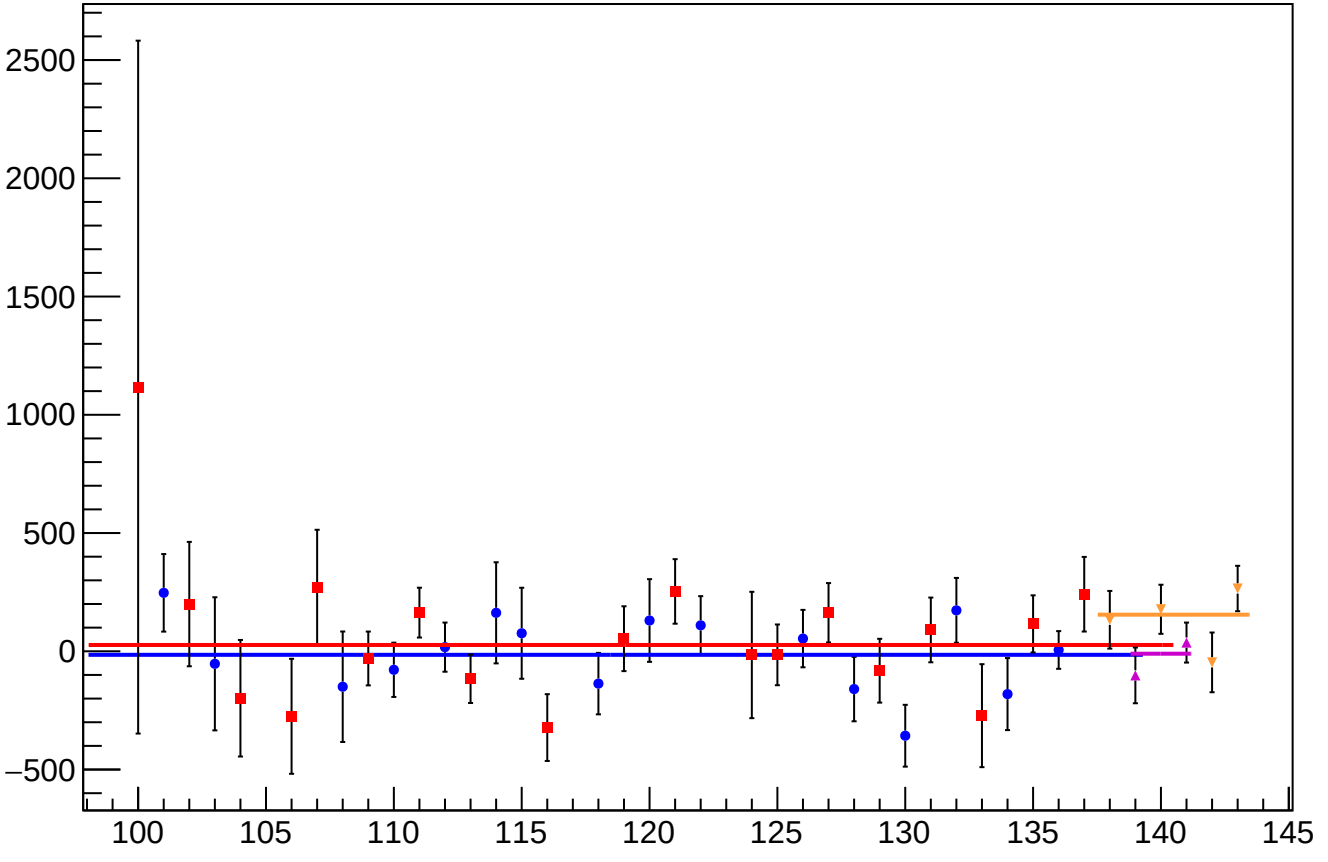
Left In: 679.567+/-0.373 χ^2/NDF:116837.9/1

+ sign 819.135+/-0.191 χ^2/NDF: 1528909.6/19

All: 847.855+/-0.143 χ^2/NDF: 2862481.0/40

- sign 884.462+/-0.215 χ^2/NDF: 1282045.1/20

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 154.822+/-54.940 χ^2/NDF:4.0/3

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

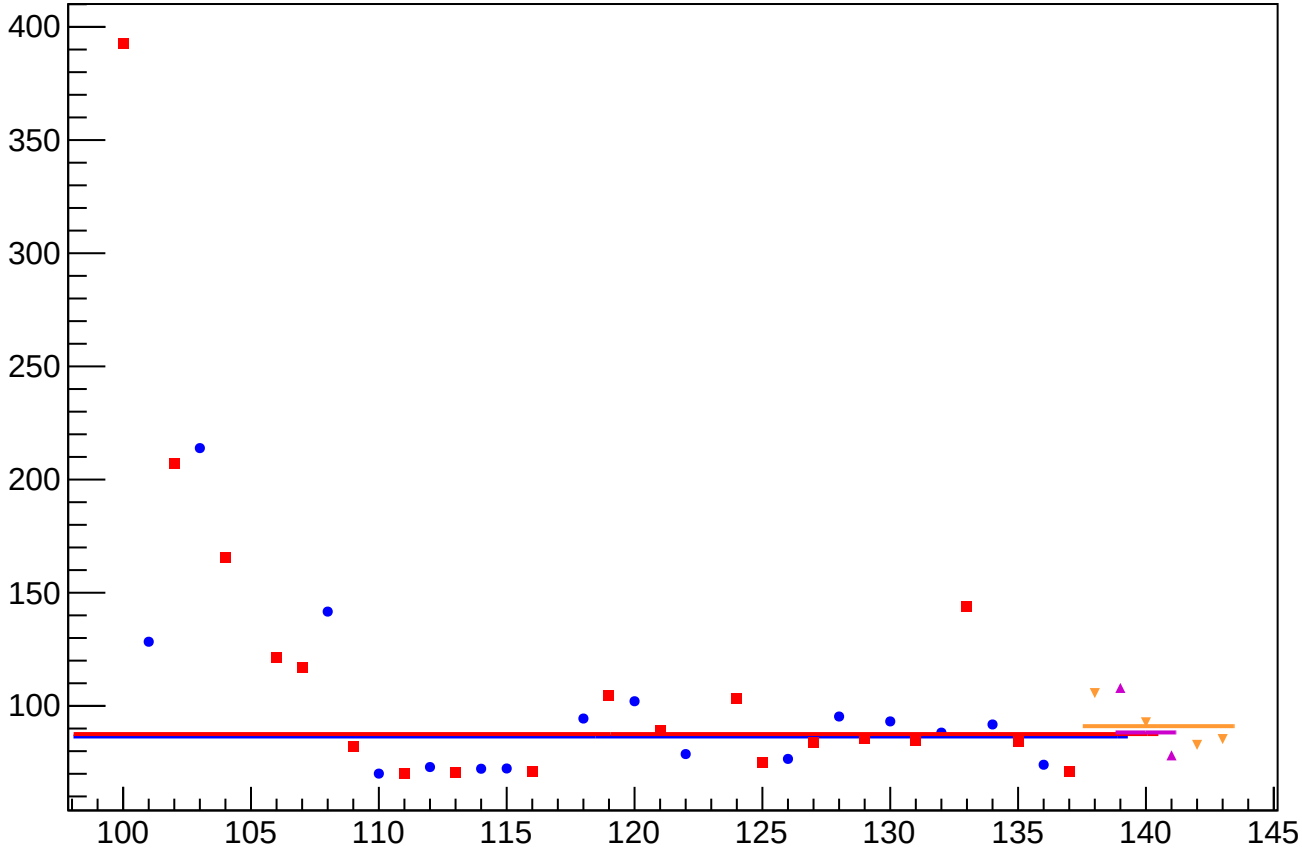
Left In: -10.233+/-68.697 χ^2/NDF:0.9/1

+ sign 31.583+/-28.764 χ^2/NDF: 29.1/19

All: 25.840+/-20.934 χ^2/NDF: 54.0/40

- sign 19.372+/-30.525 χ^2/NDF: 24.8/20

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 91.047+/-0.039 χ^2/NDF:44874.0/3

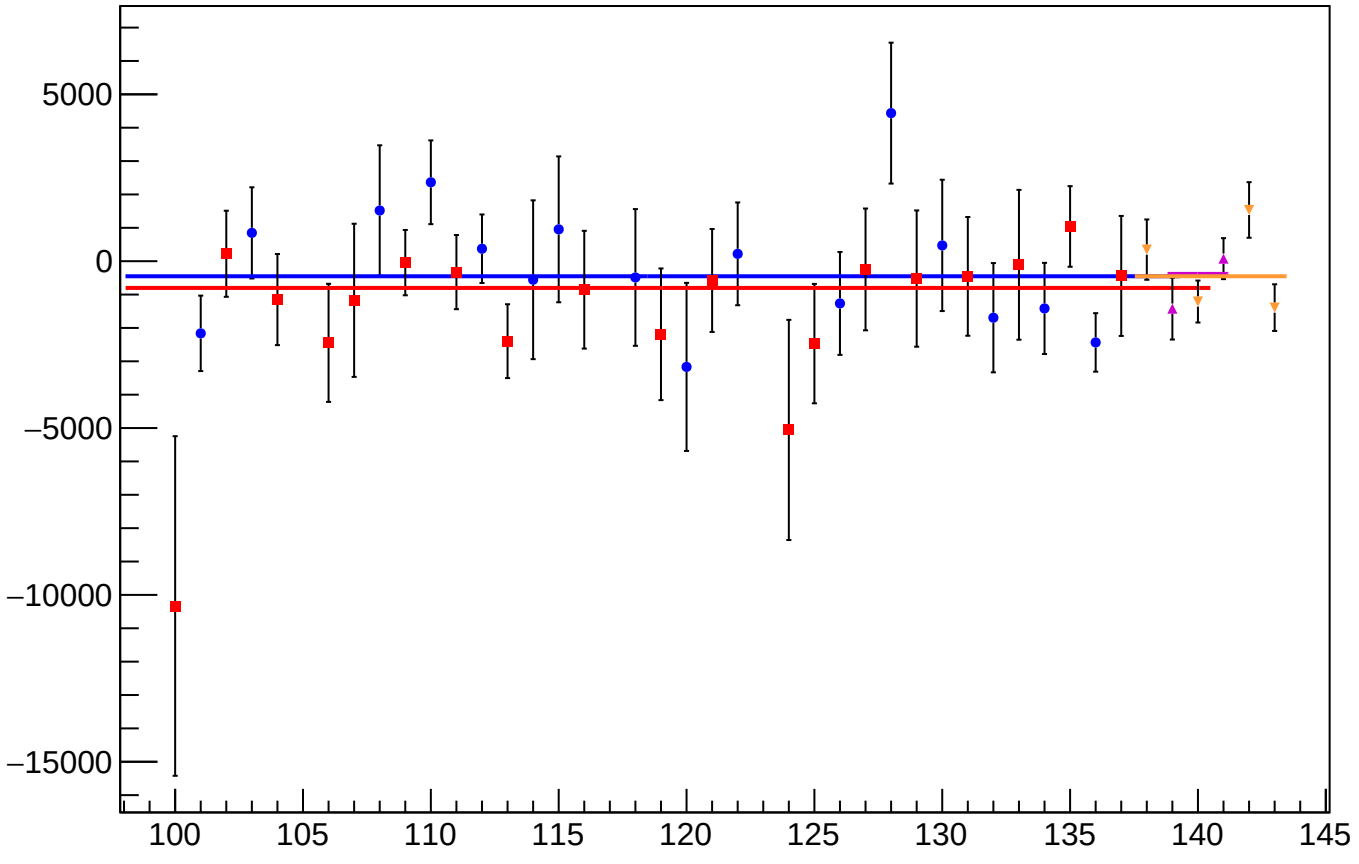
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 88.269+/-0.049 χ^2/NDF:84356.3/1

+ sign 87.738+/-0.020 χ^2/NDF: 911123.9/19

All: 87.718+/-0.015 χ^2/NDF: 2125449.9/40

- sign 87.696+/-0.022 χ^2/NDF: 1214324.0/20



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -451.190+/-371.571 χ^2/NDF:9.7/3

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

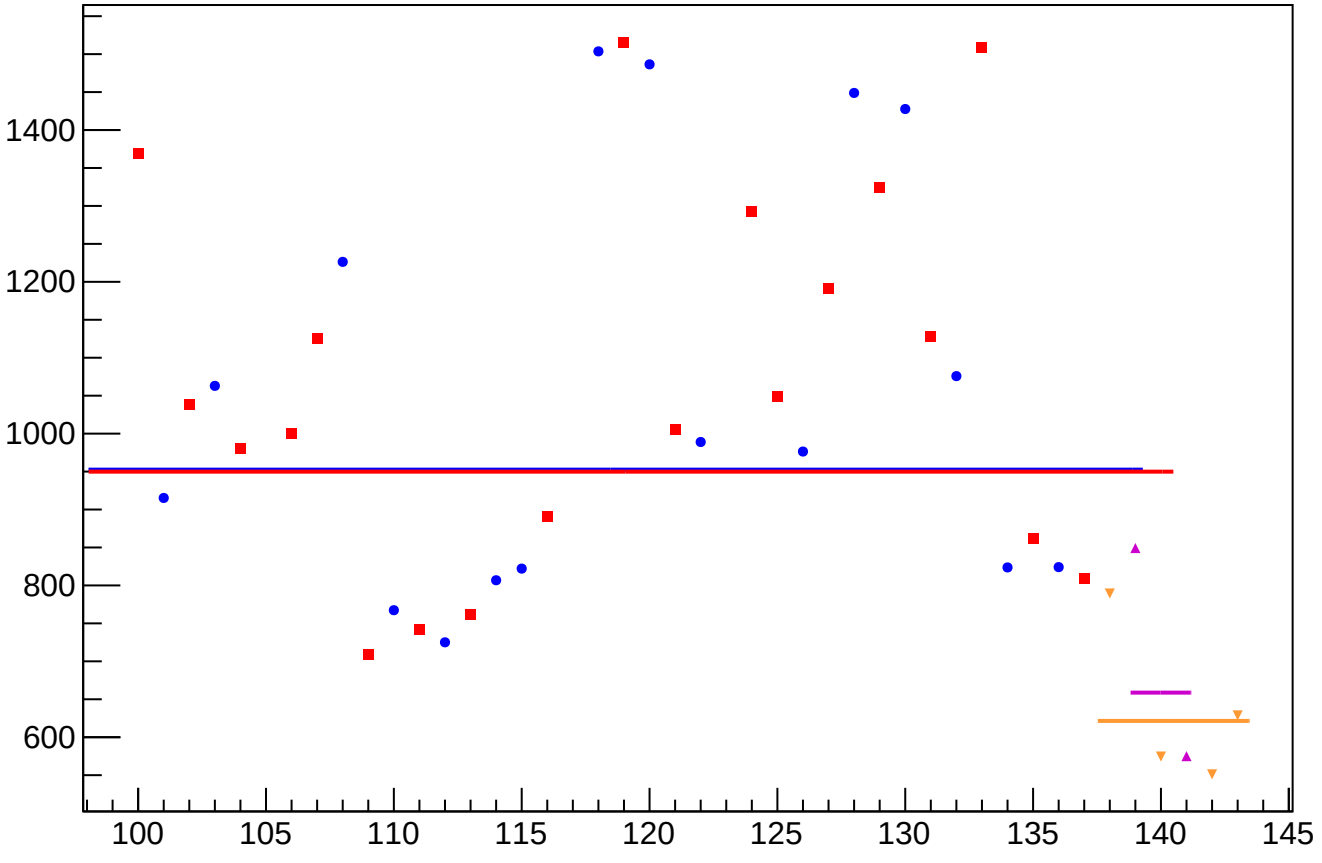
Left In: -380.719+/-511.853 χ^2/NDF:1.8/1

+ sign -451.287+/-260.606 χ^2/NDF: 33.4/19

All: -544.759+/-194.811 χ^2/NDF: 49.6/40

- sign -663.148+/-293.291 χ^2/NDF: 15.9/20

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 621.492+/-0.263 χ^2/NDF:94671.5/3

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

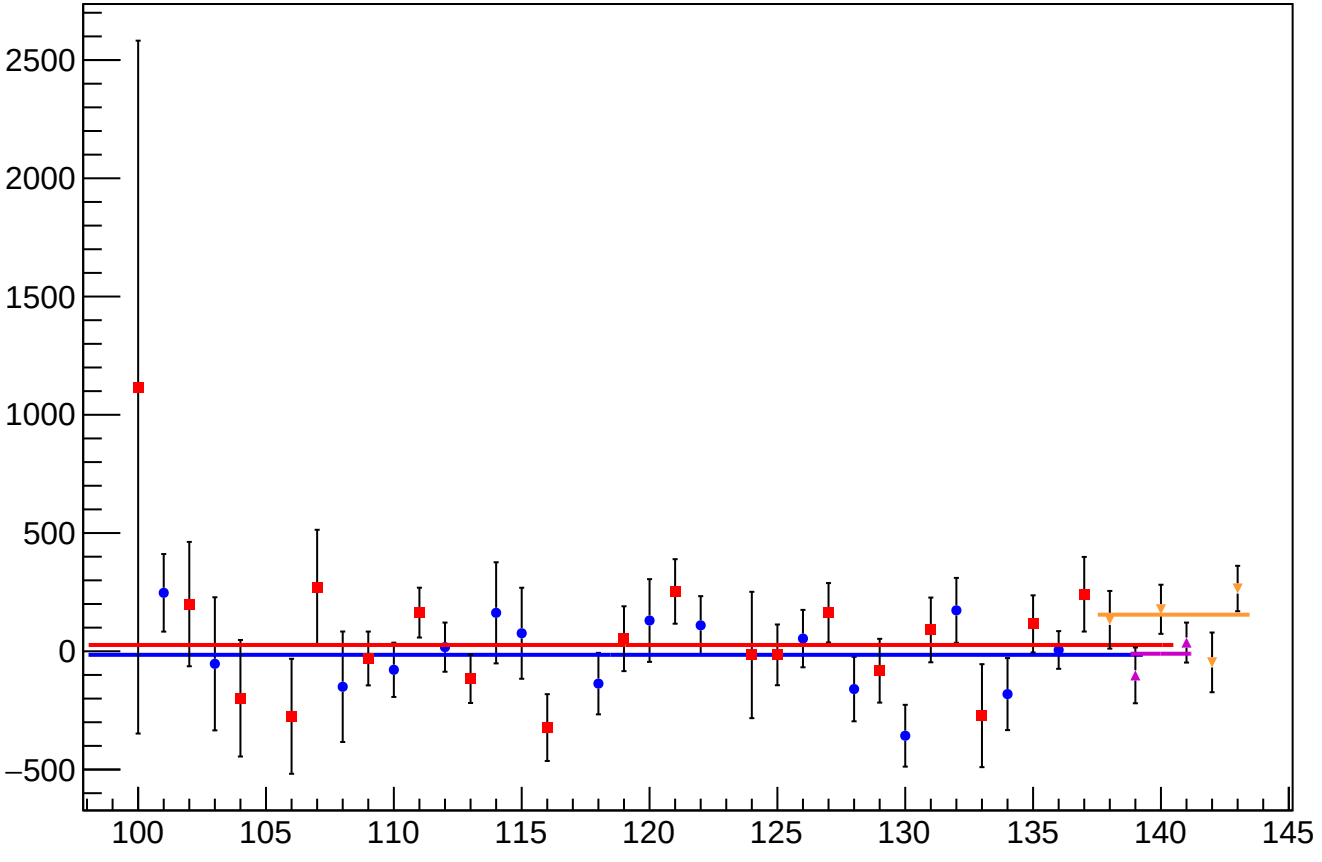
Left In: 658.772+/-0.362 χ^2/NDF:121721.4/1

+ sign 789.700+/-0.184 χ^2/NDF: 1647697.1/19

All: 818.205+/-0.138 χ^2/NDF: 3009879.1/40

- sign 854.309+/-0.207 χ^2/NDF: 1307947.9/20

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 154.821+/-54.941 χ^2/NDF:4.0/3

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

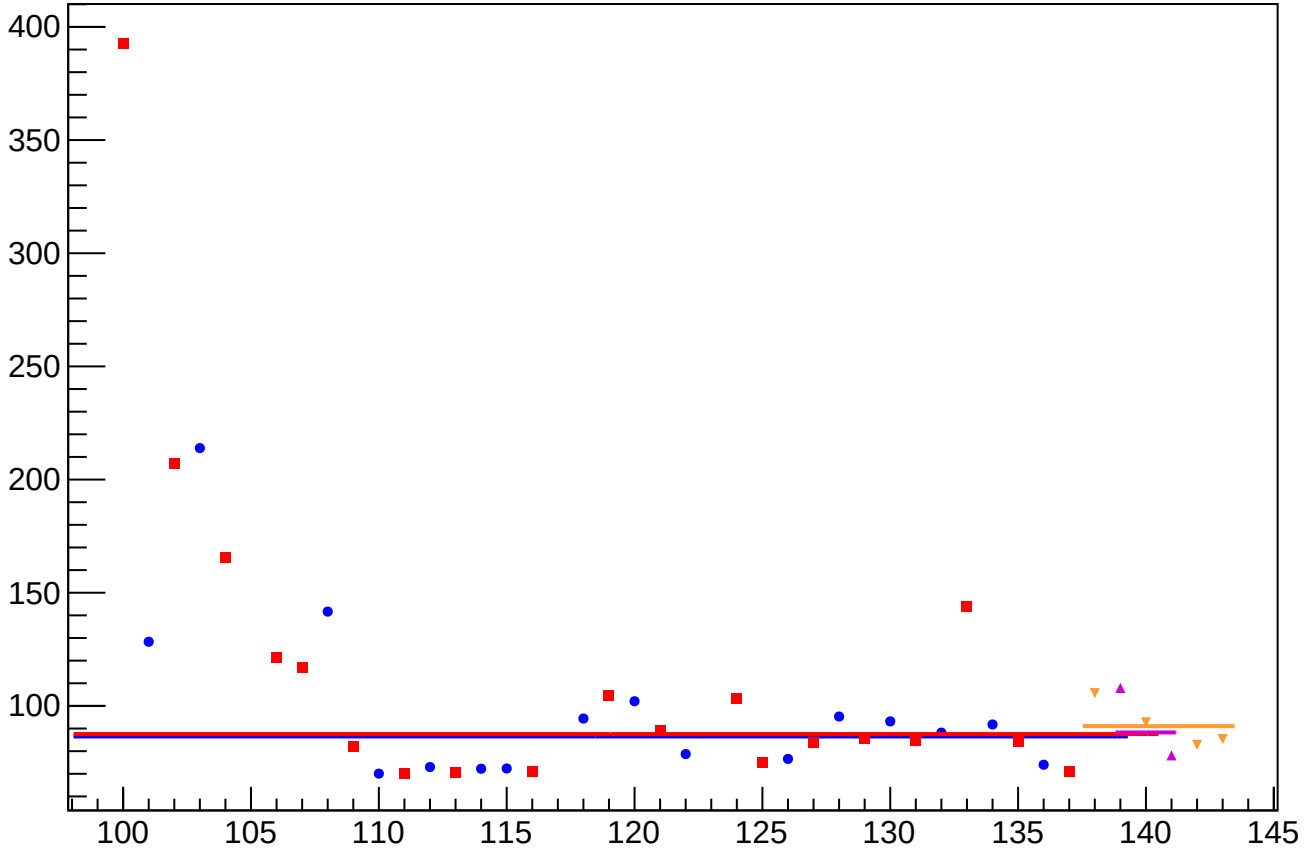
Left In: -10.235+/-68.697 χ^2/NDF:0.9/1

+ sign 31.582+/-28.764 χ^2/NDF: 29.1/19

All: 25.840+/-20.934 χ^2/NDF: 54.0/40

- sign 19.374+/-30.525 χ^2/NDF: 24.8/20

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 91.047+/-0.039 χ^2/NDF:44871.5/3

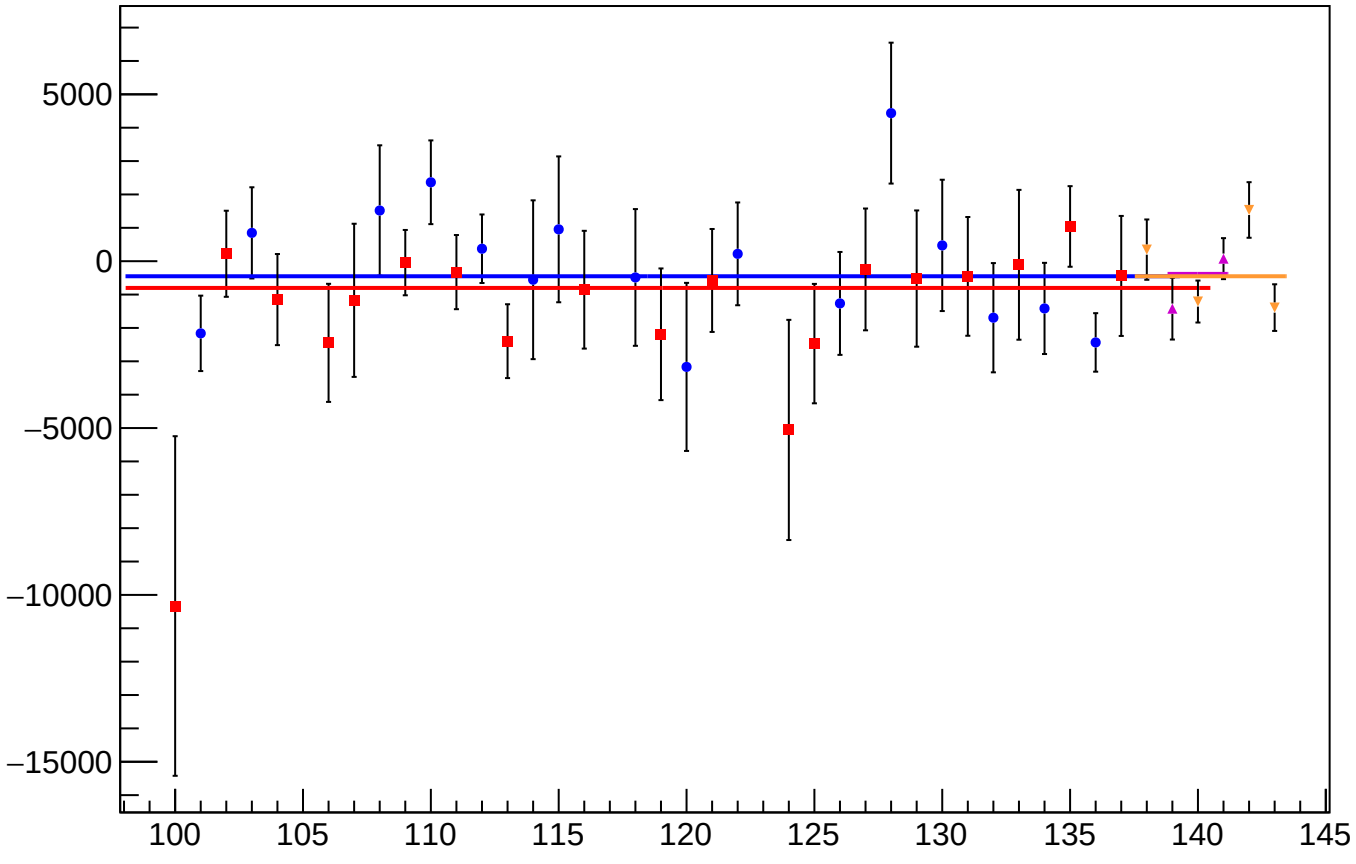
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 88.269+/-0.049 χ^2/NDF:84354.7/1

+ sign 87.739+/-0.020 χ^2/NDF: 911113.5/19

All: 87.719+/-0.015 χ^2/NDF: 2125435.5/40

- sign 87.696+/-0.022 χ^2/NDF: 1214319.9/20



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -451.193+/-371.570 χ^2/NDF:9.7/3

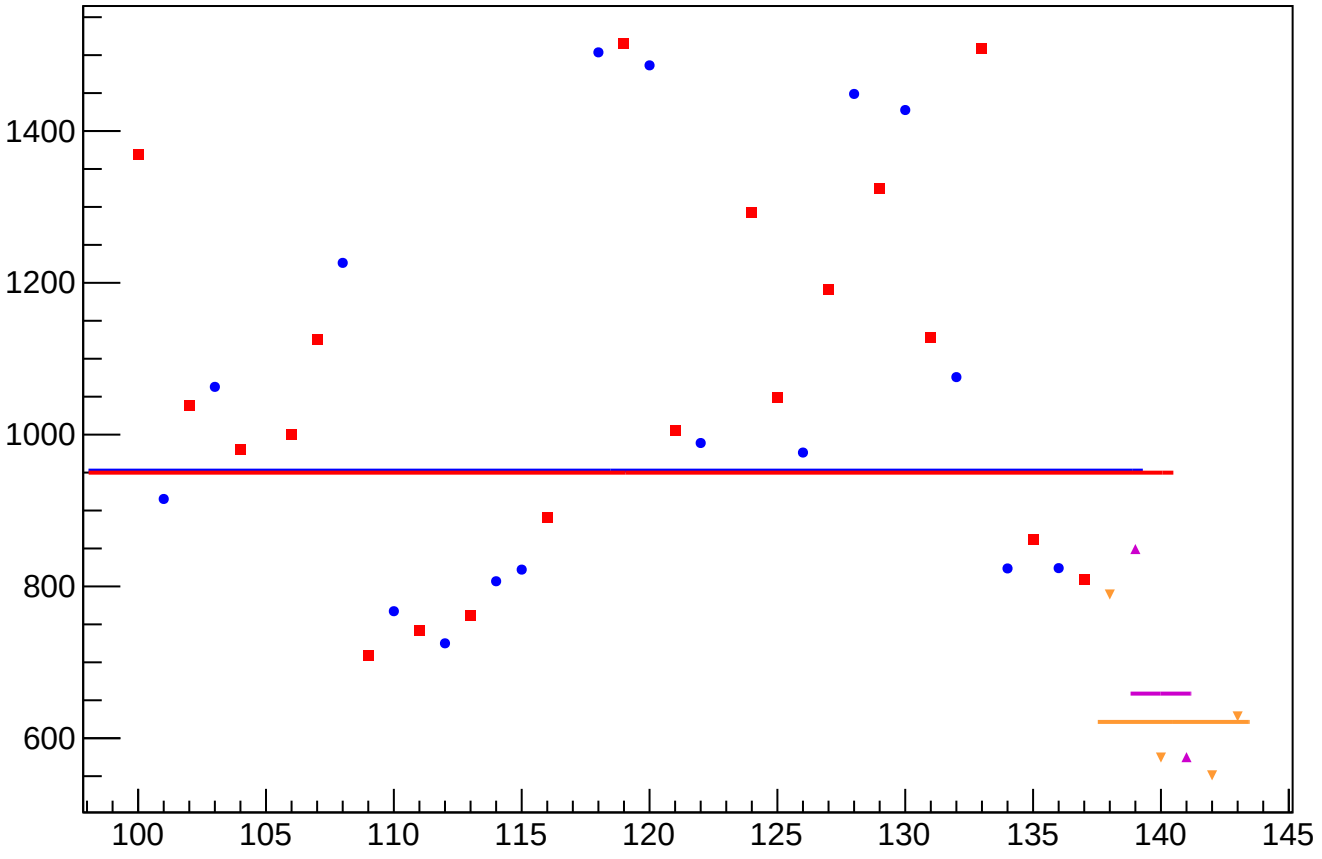
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -380.720+/-511.852 χ^2/NDF:1.8/1

+ sign -451.287+/-260.605 χ^2/NDF: 33.4/19

All: -544.759+/-194.811 χ^2/NDF: 49.6/40

- sign -663.148+/-293.291 χ^2/NDF: 15.9/20



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 621.491+/-0.263 χ^2/NDF:94672.1/3

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

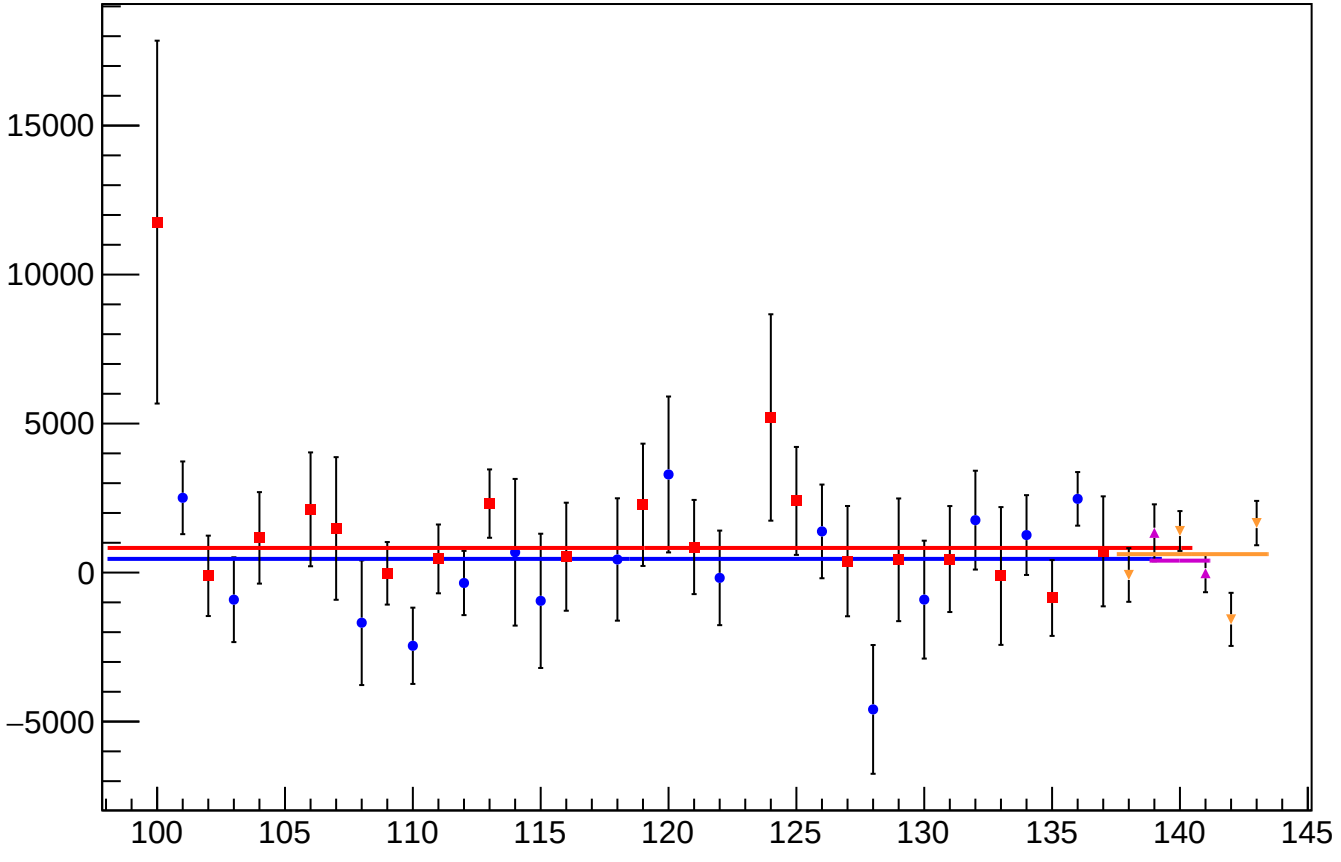
Left In: 658.771+/-0.362 χ^2/NDF:121722.2/1

+ sign 789.699+/-0.184 χ^2/NDF: 1647697.2/19

All: 818.204+/-0.138 χ^2/NDF: 3009876.0/40

- sign 854.307+/-0.207 χ^2/NDF: 1307944.5/20

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 618.520+/-391.256 χ^2/NDF:10.0/3

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

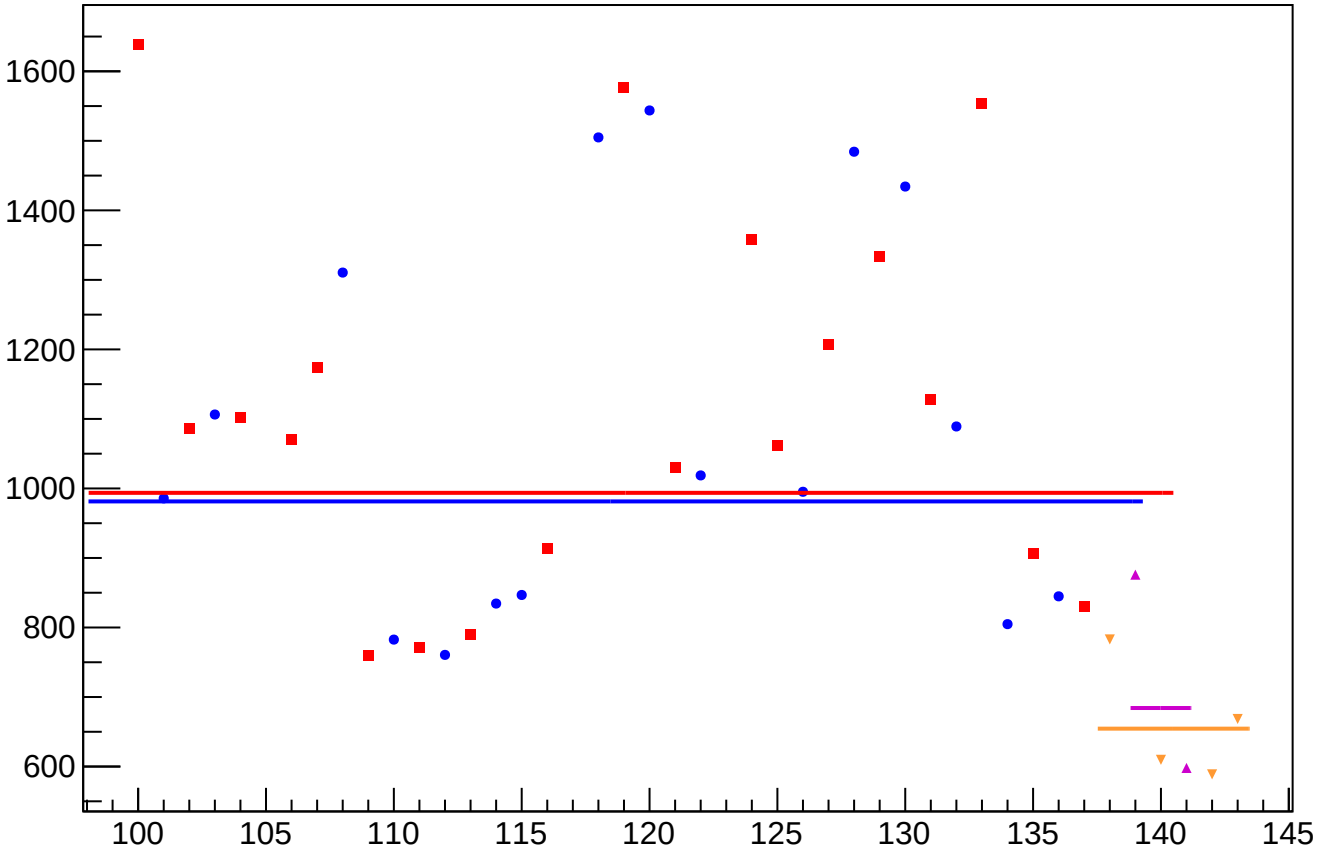
Left In: 400.506+/-531.475 χ^2/NDF:1.4/1

+ sign 535.845+/-271.432 χ^2/NDF: 34.6/19

All: 601.664+/-203.056 χ^2/NDF: 48.2/40

- sign 685.312+/-305.993 χ^2/NDF: 13.5/20

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 654.502+/-0.277 χ^2/NDF:61122.1/3

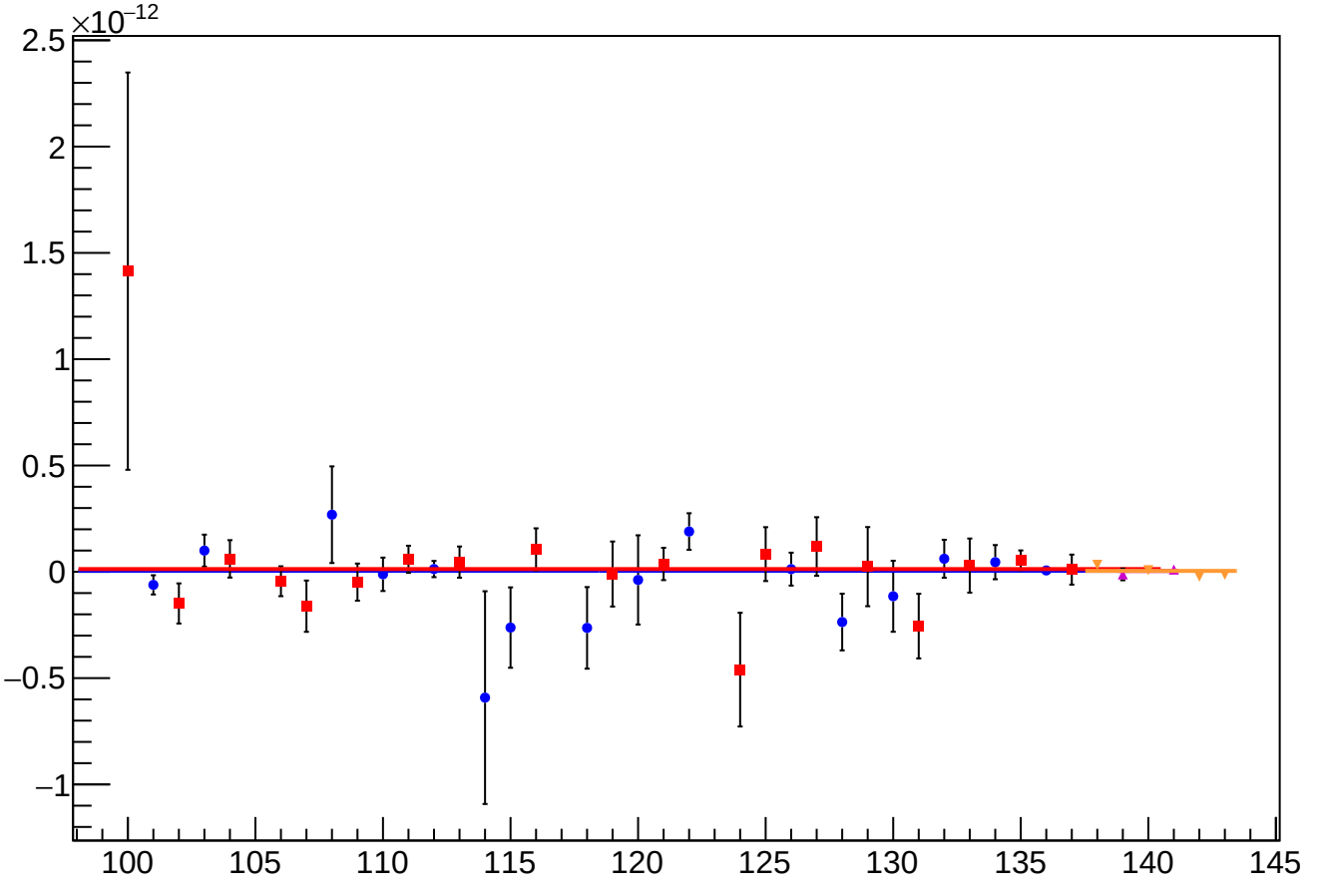
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 684.186+/-0.376 χ^2/NDF:117040.7/1

+ sign 824.043+/-0.192 χ^2/NDF: 1522732.8/19

All: 853.569+/-0.144 χ^2/NDF: 2866726.5/40

- sign 891.092+/-0.216 χ^2/NDF: 1290254.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/3

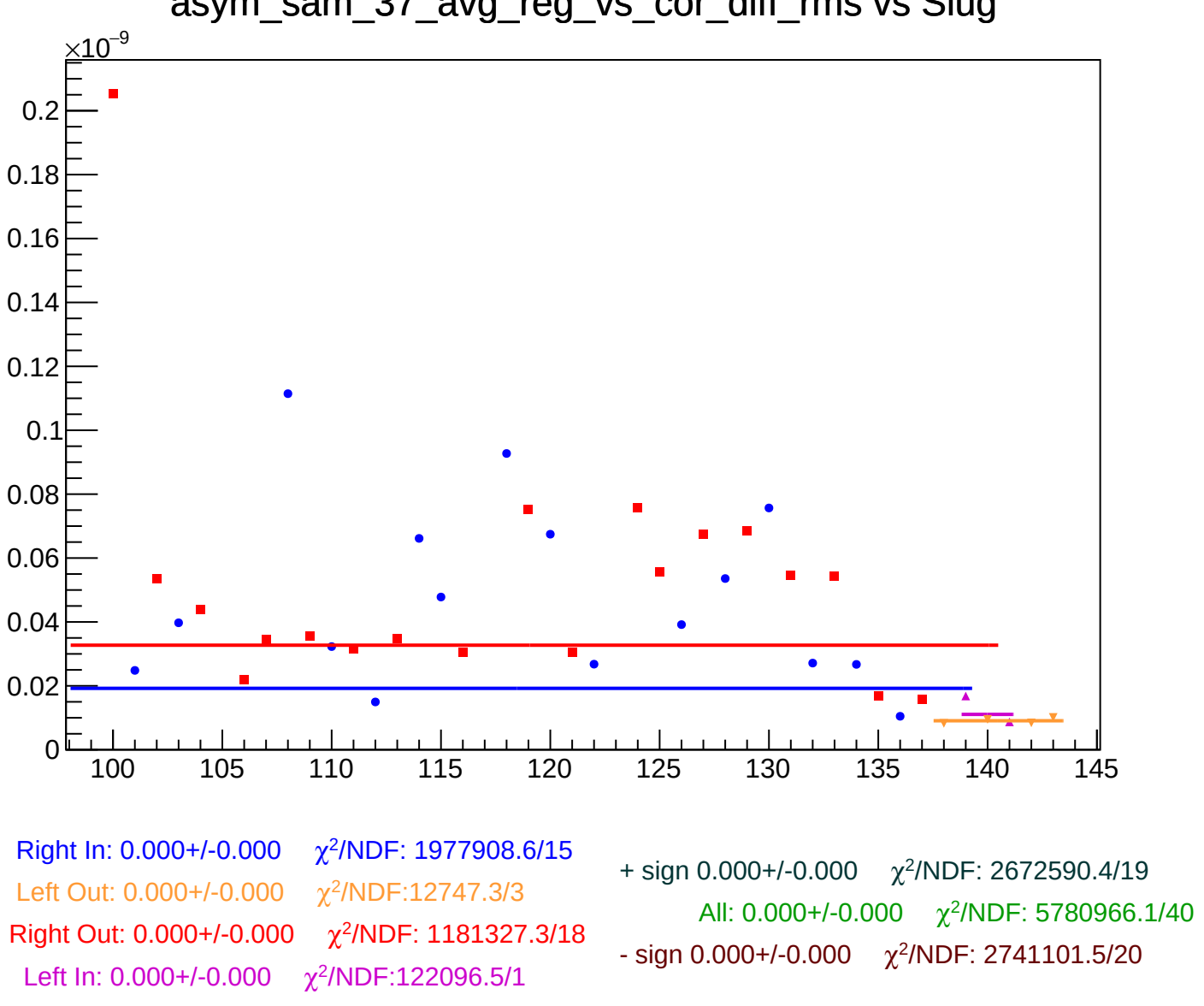
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

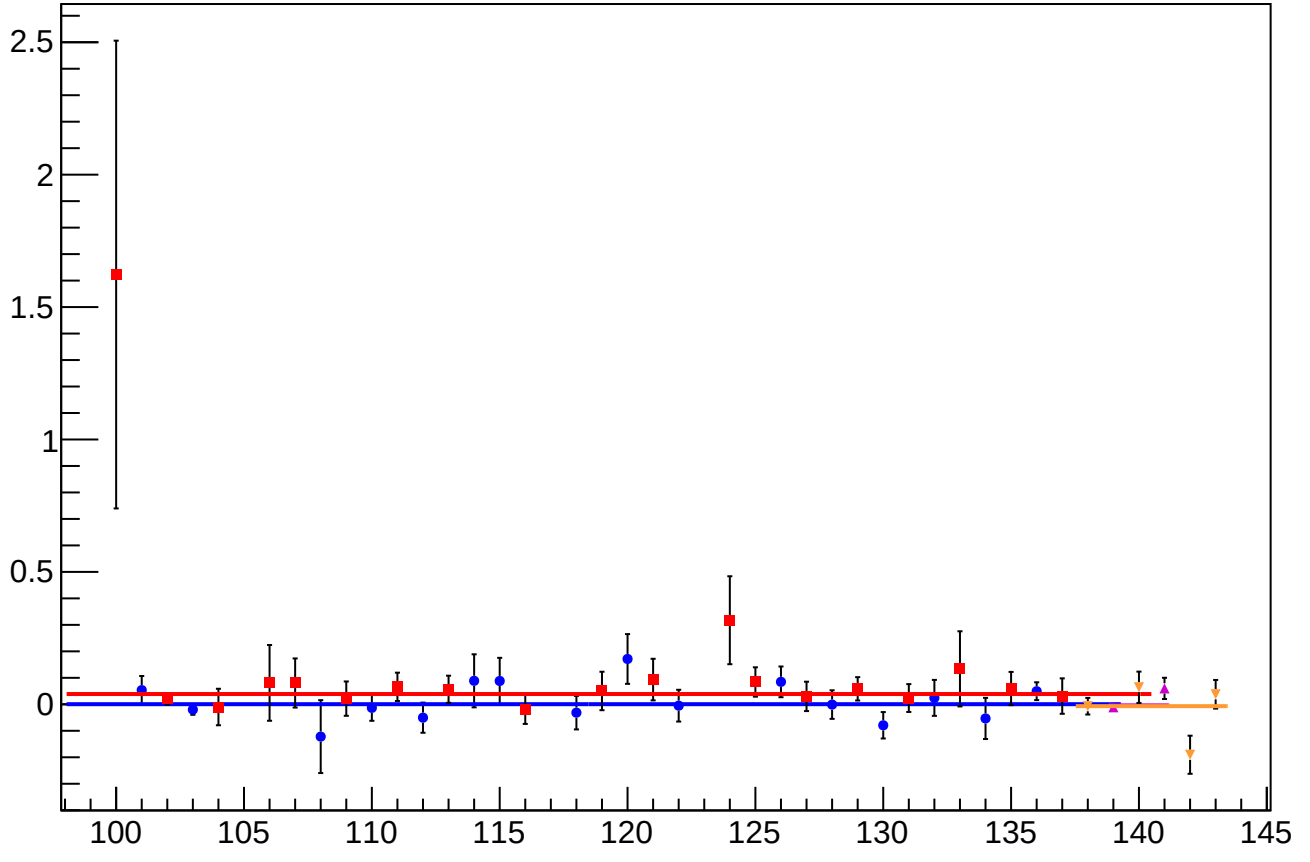
+ sign 0.000+/-0.000 χ^2/NDF: 24.6/19

All: 0.000+/-0.000 χ^2/NDF: 43.7/40

- sign 0.000+/-0.000 χ^2/NDF: 19.0/20


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:12747.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:122096.5/1
+ sign 0.000+/-0.000 χ²/NDF: 2672590.4/19
All: 0.000+/-0.000 χ²/NDF: 5780966.1/40
- sign 0.000+/-0.000 χ²/NDF: 2741101.5/20

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

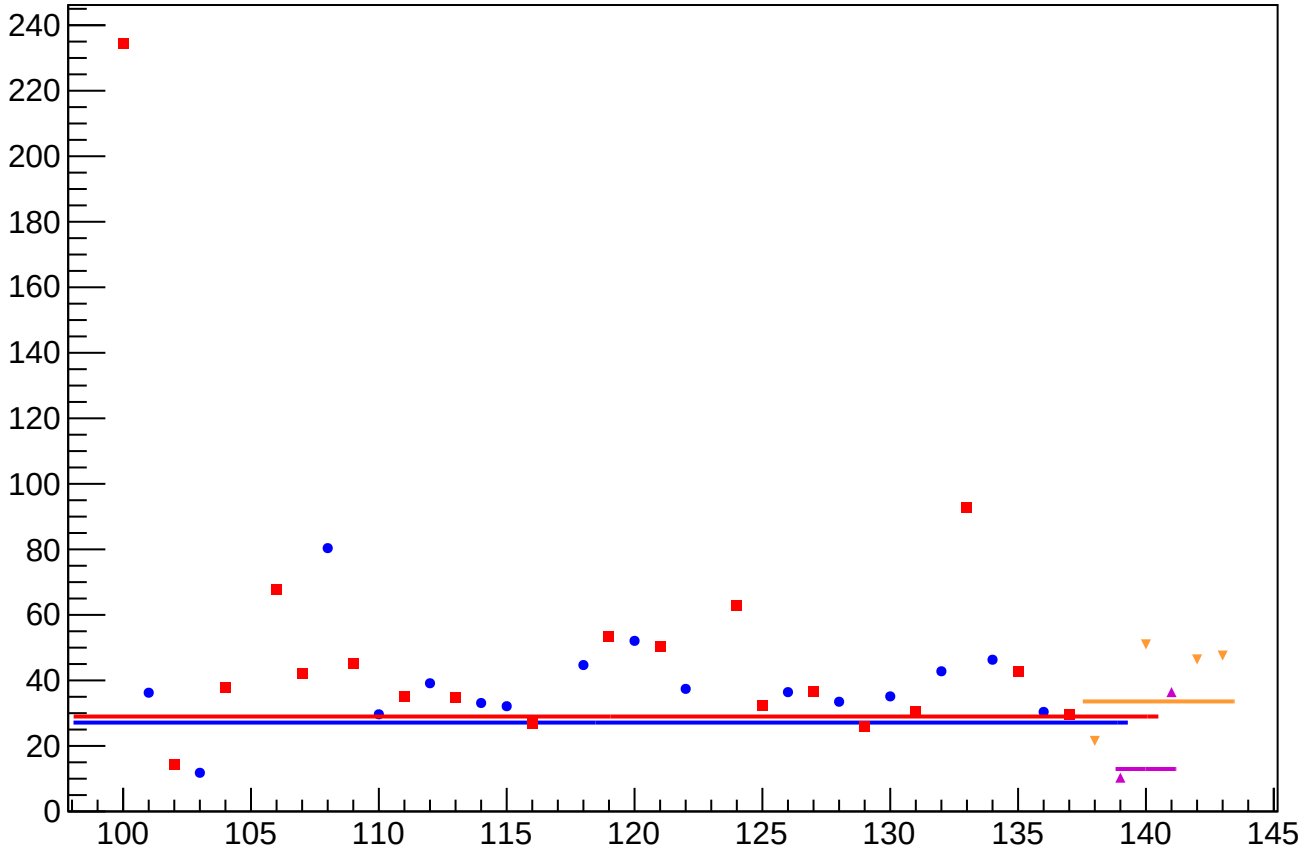
Left In: -0.004+/-0.013 χ^2/NDF:2.8/1

+ sign -0.001+/-0.011 χ^2/NDF: 25.2/19

All: 0.010+/-0.007 χ^2/NDF: 46.6/40

- sign 0.018+/-0.009 χ^2/NDF: 19.6/20

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: 33.587+/-0.017 χ^2/NDF:665300.9/3

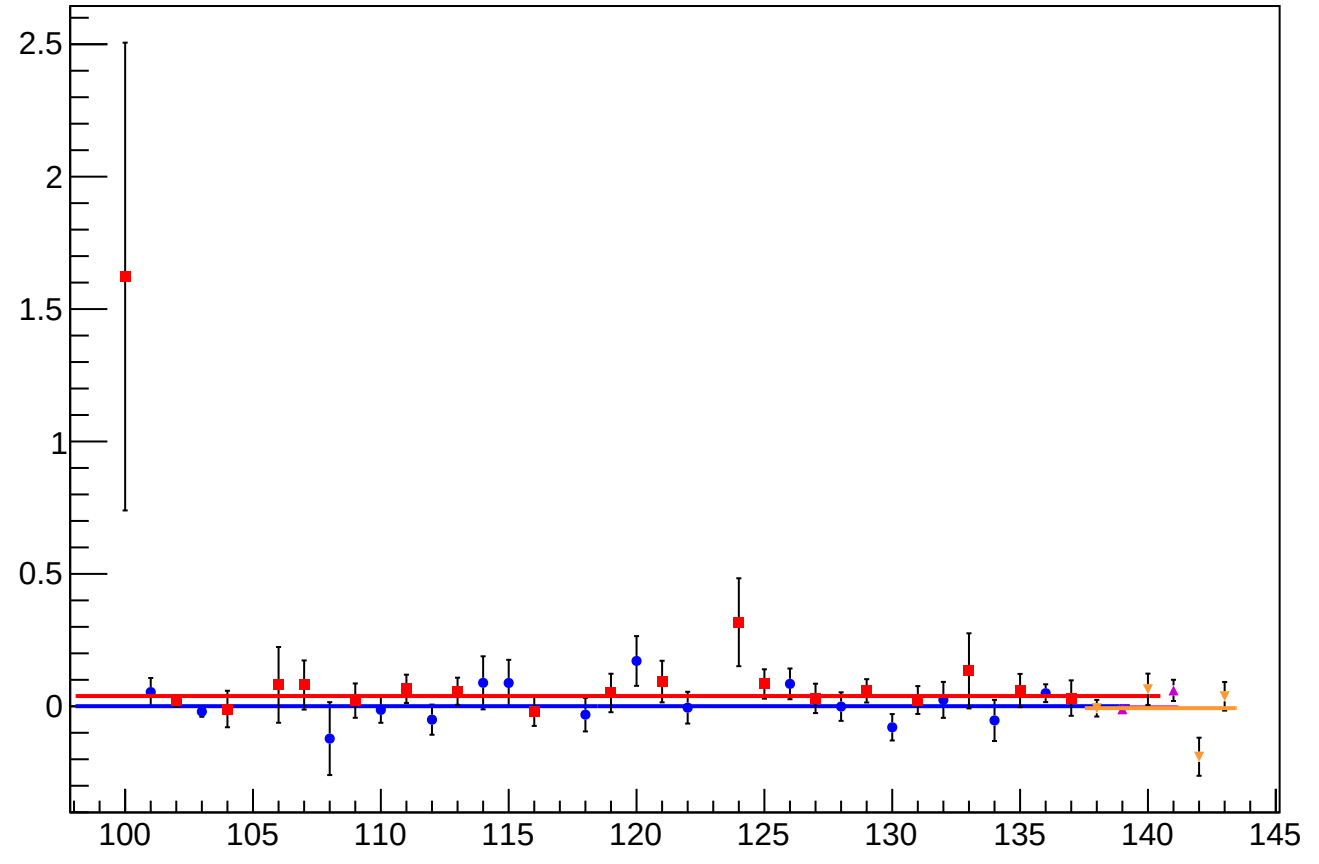
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 12.961+/-0.009 χ^2/NDF:763978.4/1

+ sign 28.485+/-0.008 χ^2/NDF: 3201667.1/19

All: 24.109+/-0.005 χ^2/NDF: 8586636.5/40

- sign 21.031+/-0.006 χ^2/NDF: 4814700.9/20



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

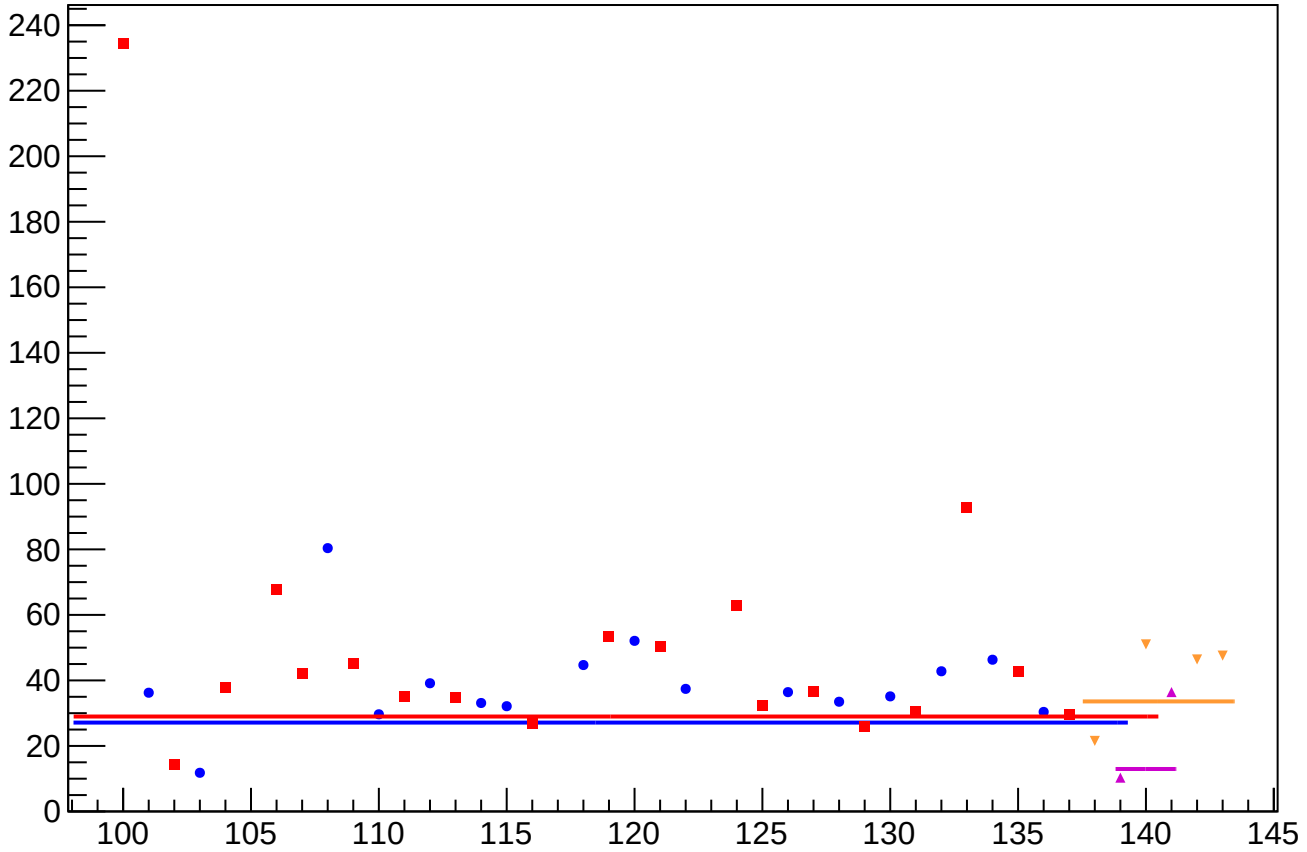
Left In: -0.004+/-0.013 χ^2/NDF:2.8/1

+ sign -0.001+/-0.011 χ^2/NDF: 25.2/19

All: 0.010+/-0.007 χ^2/NDF: 46.6/40

- sign 0.018+/-0.009 χ^2/NDF: 19.6/20

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: 33.587+/-0.017 χ^2/NDF:665300.9/3

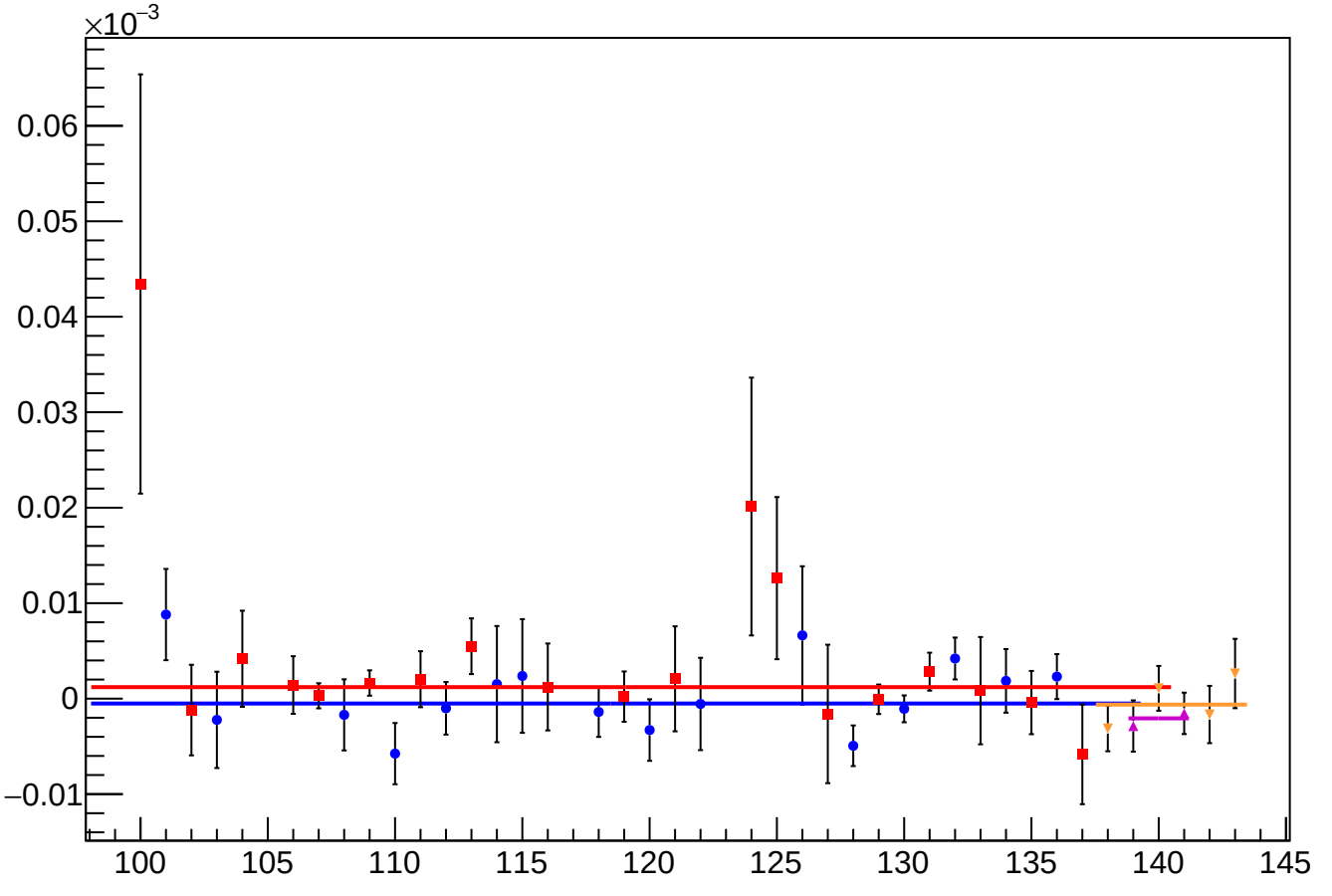
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 12.961+/-0.009 χ^2/NDF:763978.4/1

+ sign 28.485+/-0.008 χ^2/NDF: 3201667.1/19

All: 24.109+/-0.005 χ^2/NDF: 8586636.5/40

- sign 21.031+/-0.006 χ^2/NDF: 4814700.9/20



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/3

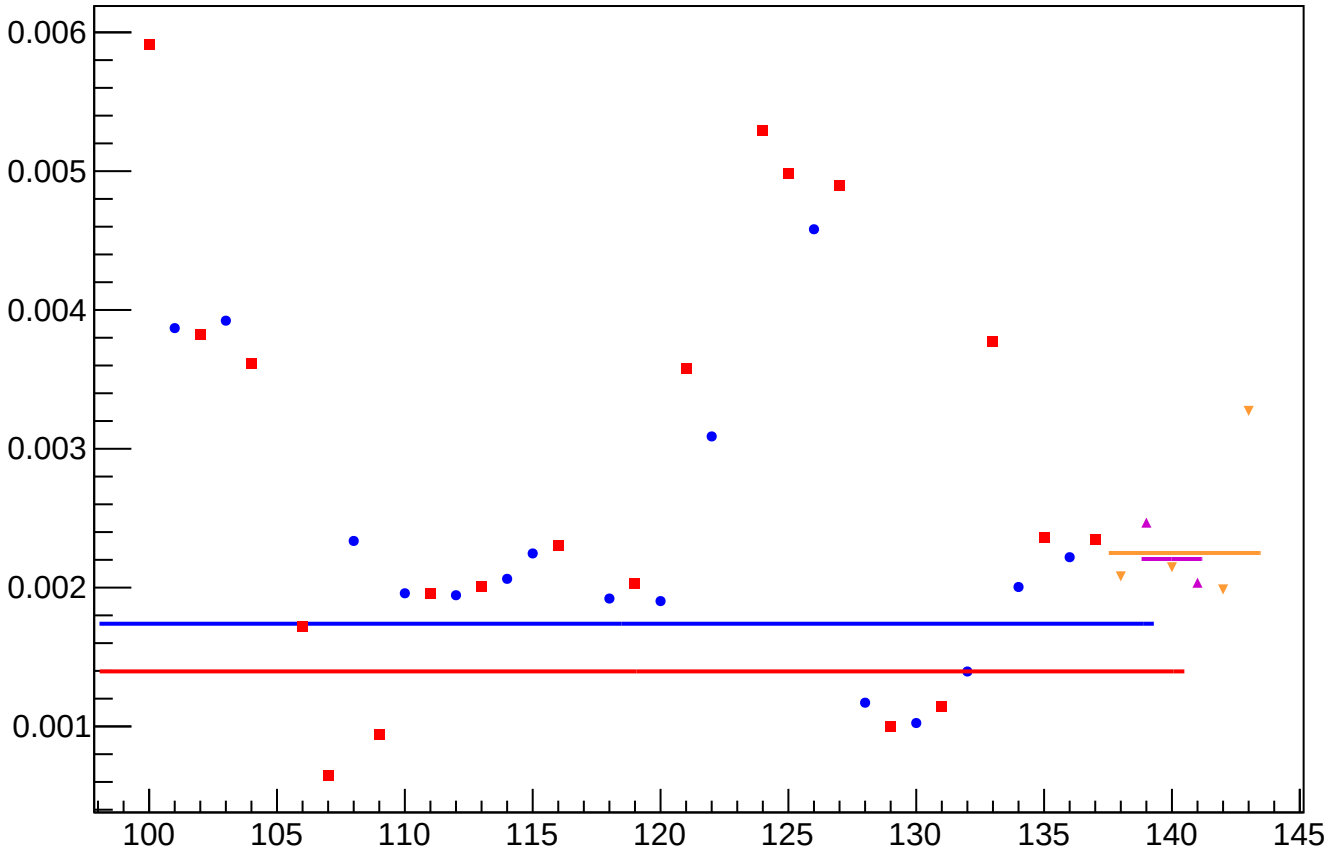
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/19

All: 0.000+/-0.000 χ^2/NDF: 43.1/40

- sign 0.000+/-0.000 χ^2/NDF: 18.1/20



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:188078.8/3

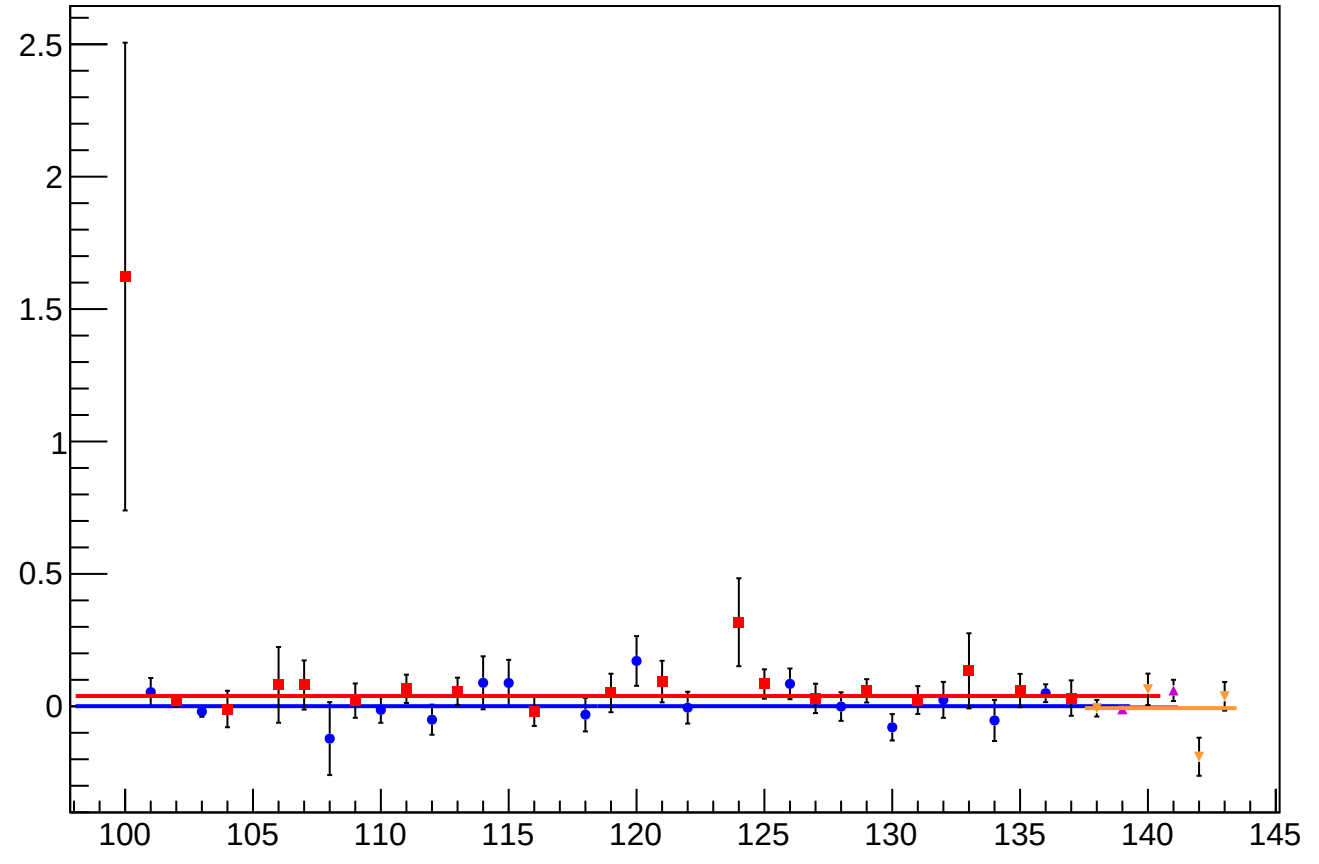
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:31460.8/1

+ sign 0.002+/-0.000 χ^2/NDF: 2556071.6/19

All: 0.002+/-0.000 χ^2/NDF: 7673496.8/40

- sign 0.001+/-0.000 χ^2/NDF: 4761976.8/20



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

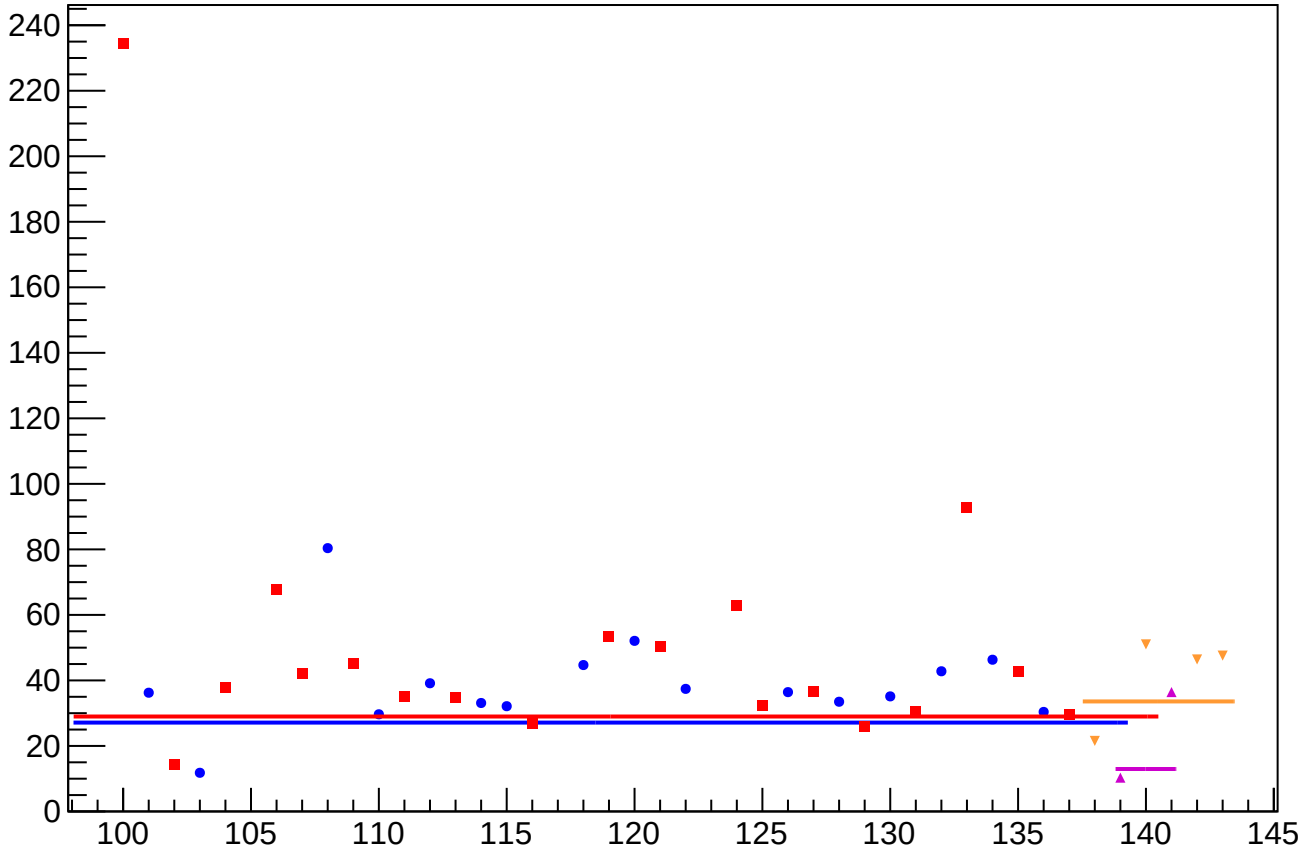
Left In: -0.004+/-0.013 χ^2/NDF:2.8/1

+ sign -0.001+/-0.011 χ^2/NDF: 25.2/19

All: 0.010+/-0.007 χ^2/NDF: 46.6/40

- sign 0.018+/-0.009 χ^2/NDF: 19.6/20

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: 33.584+/-0.017 χ^2/NDF:665568.6/3

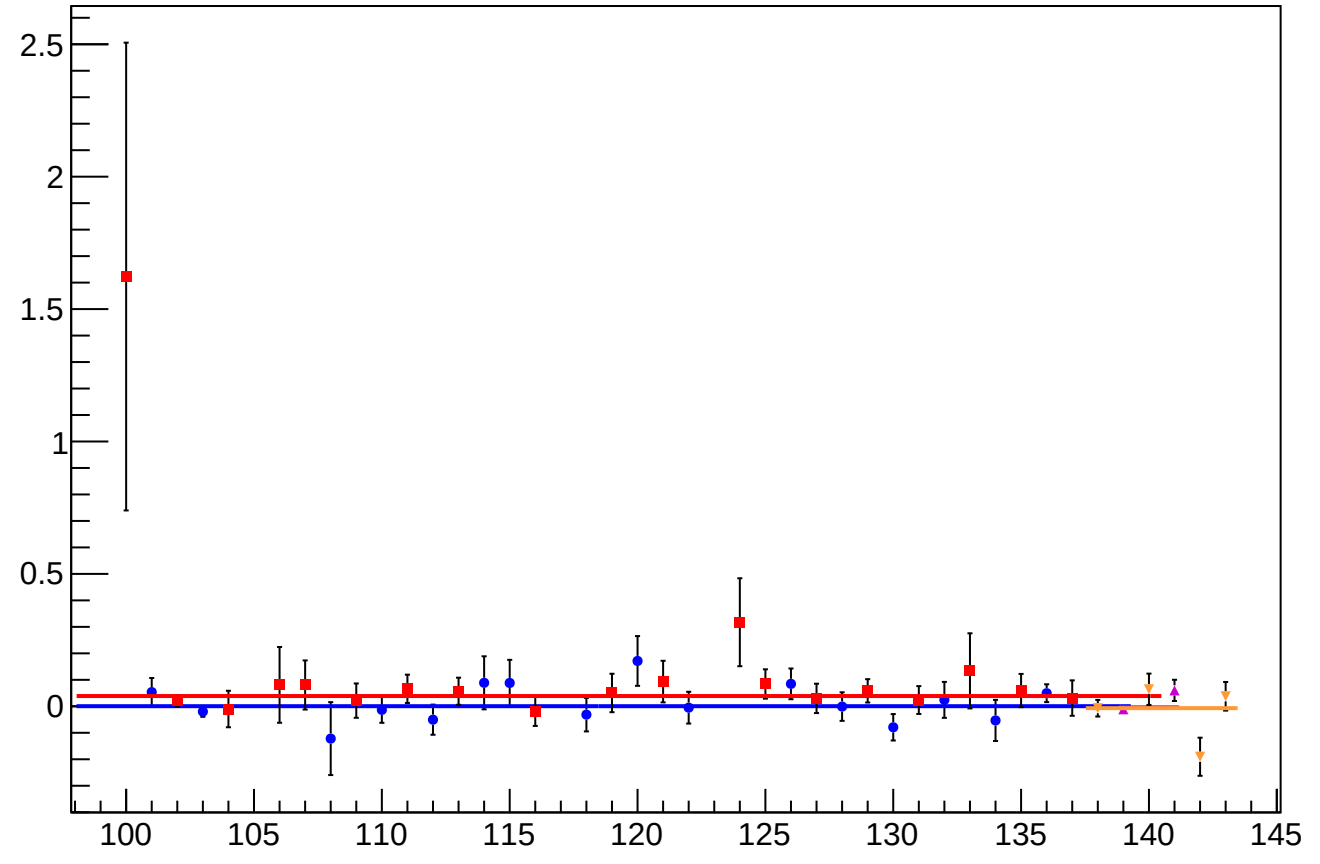
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 12.960+/-0.009 χ^2/NDF:764071.4/1

\+ sign 28.484+/-0.008 χ^2/NDF: 3202189.5/19

All: 24.108+/-0.005 χ^2/NDF: 8587467.7/40

\- sign 21.031+/-0.006 χ^2/NDF: 4815077.5/20



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

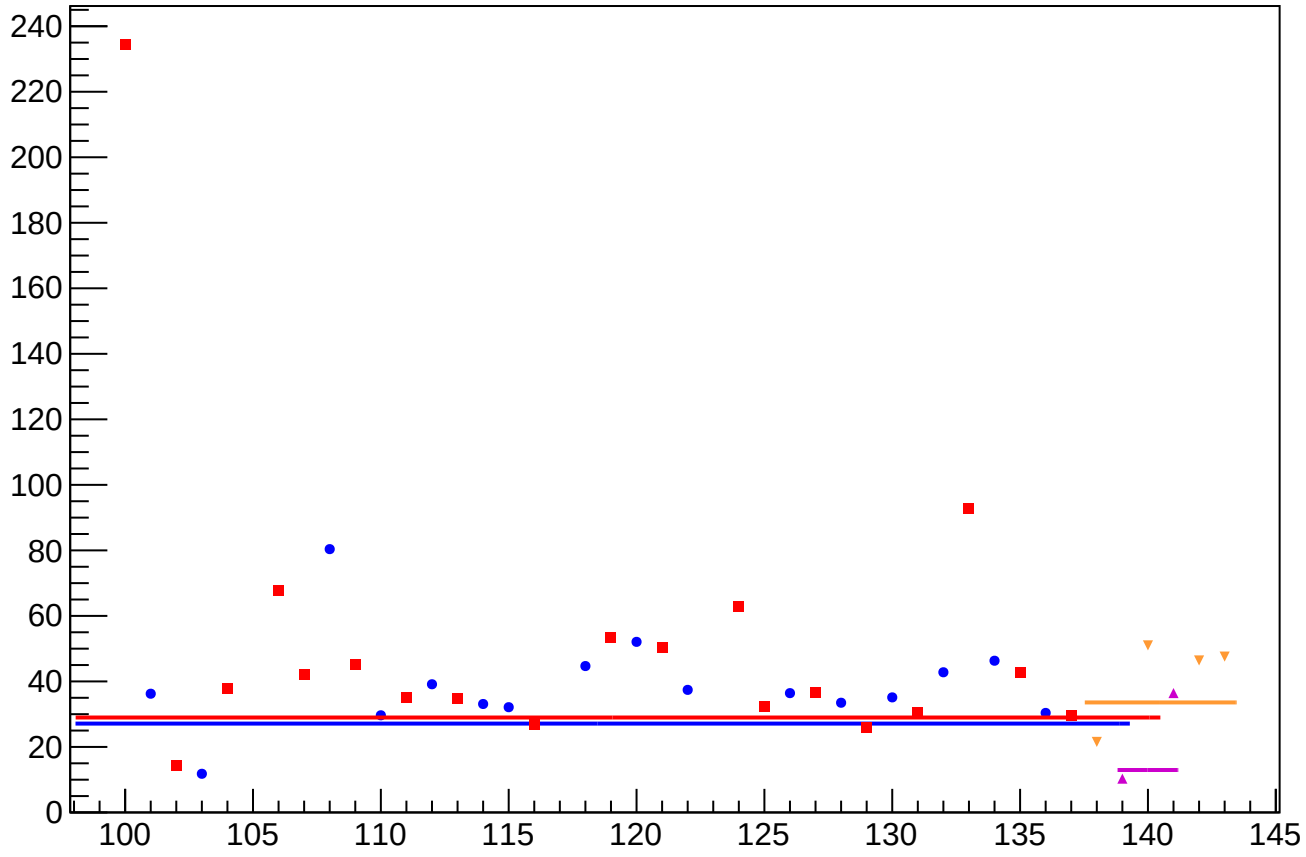
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.013 χ^2/NDF:2.8/1

+ sign -0.001+/-0.011 χ^2/NDF: 25.2/19

All: 0.010+/-0.007 χ^2/NDF: 46.6/40

- sign 0.018+/-0.009 χ^2/NDF: 19.6/20



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 33.584+/-0.017 χ^2/NDF:665568.6/3

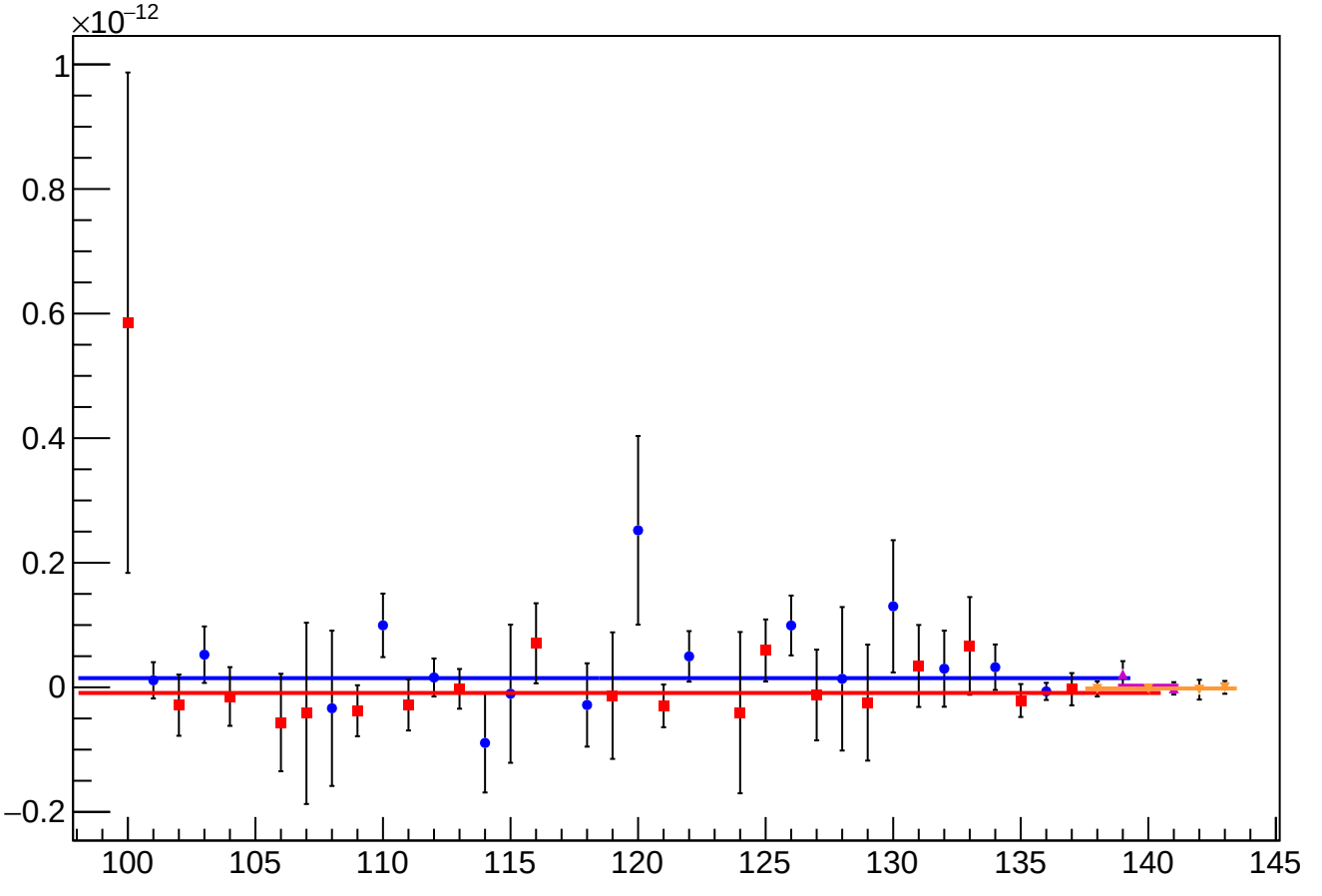
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 12.960+/-0.009 χ^2/NDF:764071.4/1

+ sign 28.484+/-0.008 χ^2/NDF: 3202189.5/19

All: 24.108+/-0.005 χ^2/NDF: 8587467.7/40

- sign 21.031+/-0.006 χ^2/NDF: 4815077.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/3

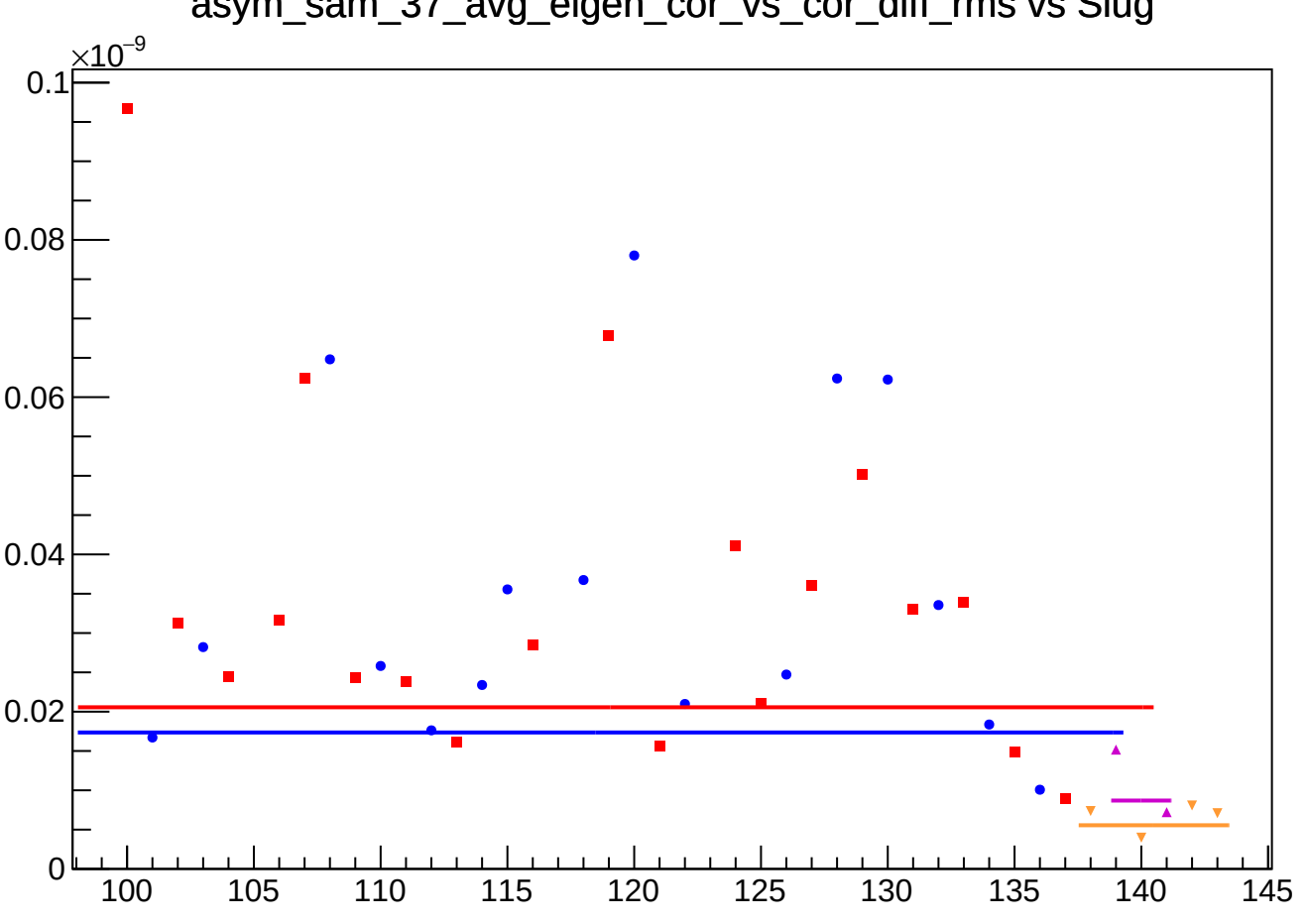
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/19

All: 0.000+/-0.000 χ^2/NDF: 29.3/40

- sign -0.000+/-0.000 χ^2/NDF: 10.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:254305.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

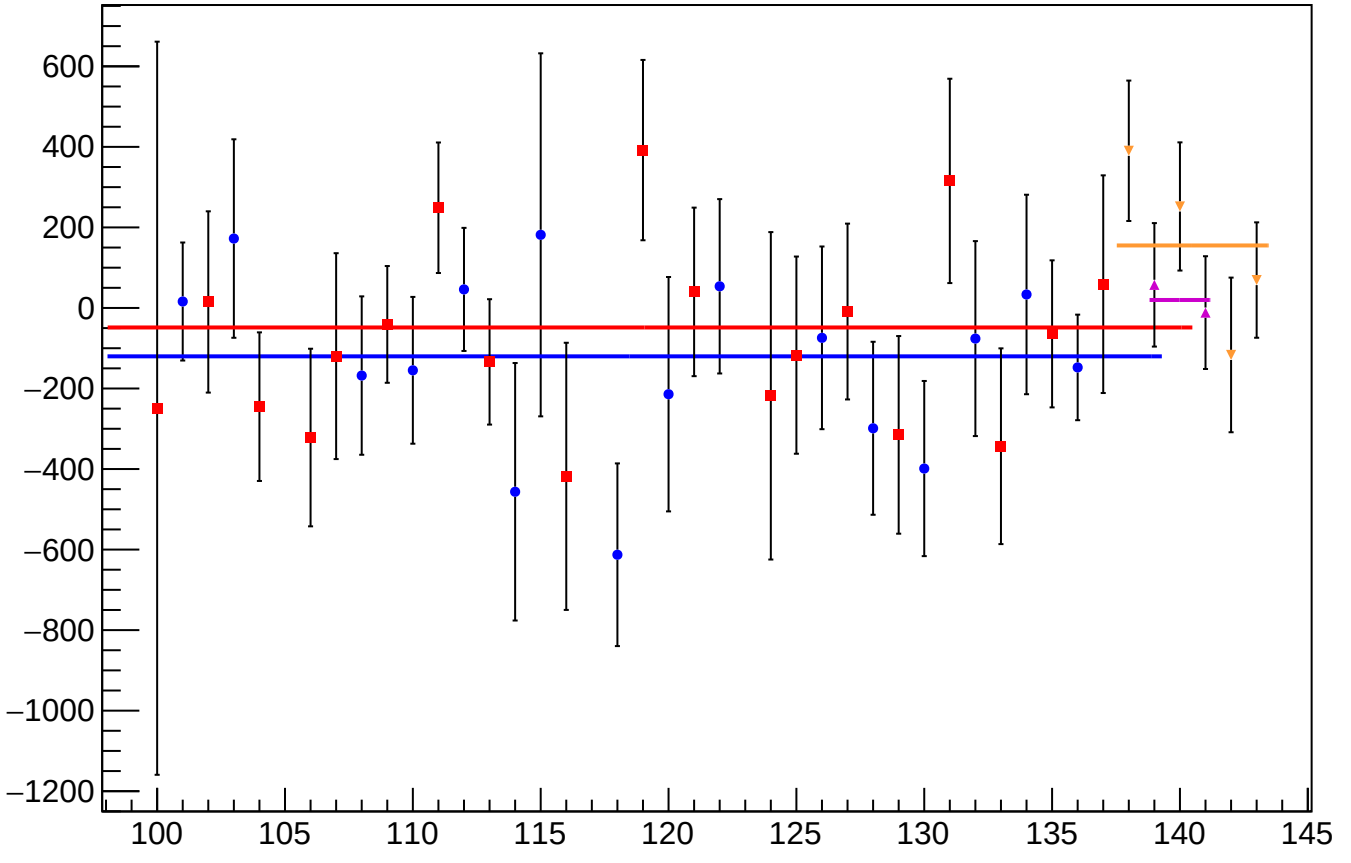
Left In: 0.000+/-0.000 χ^2/NDF:237945.8/1

\+ sign 0.000+/-0.000 χ^2/NDF: 5174797.5/19

All: 0.000+/-0.000 χ^2/NDF: 9694918.4/40

\- sign 0.000+/-0.000 χ^2/NDF: 3587459.7/20

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 155.204+/-82.140 χ^2/NDF:4.6/3

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

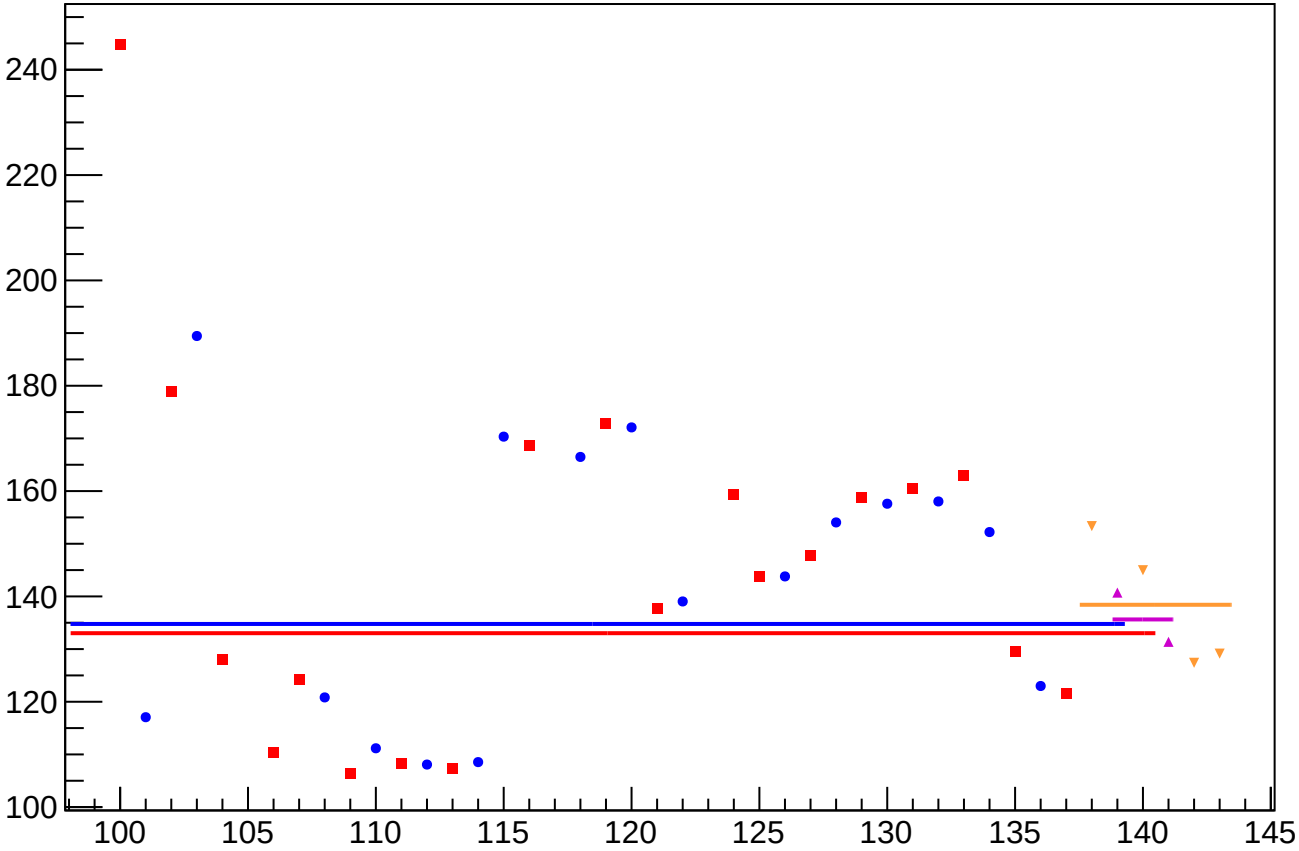
Left In: 19.801+/-103.383 χ^2/NDF:0.1/1

\+ sign -43.317+/-43.391 χ^2/NDF: 26.1/19

All: -39.570+/-31.217 χ^2/NDF: 43.5/40

\- sign -35.548+/-44.946 χ^2/NDF: 17.5/20

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

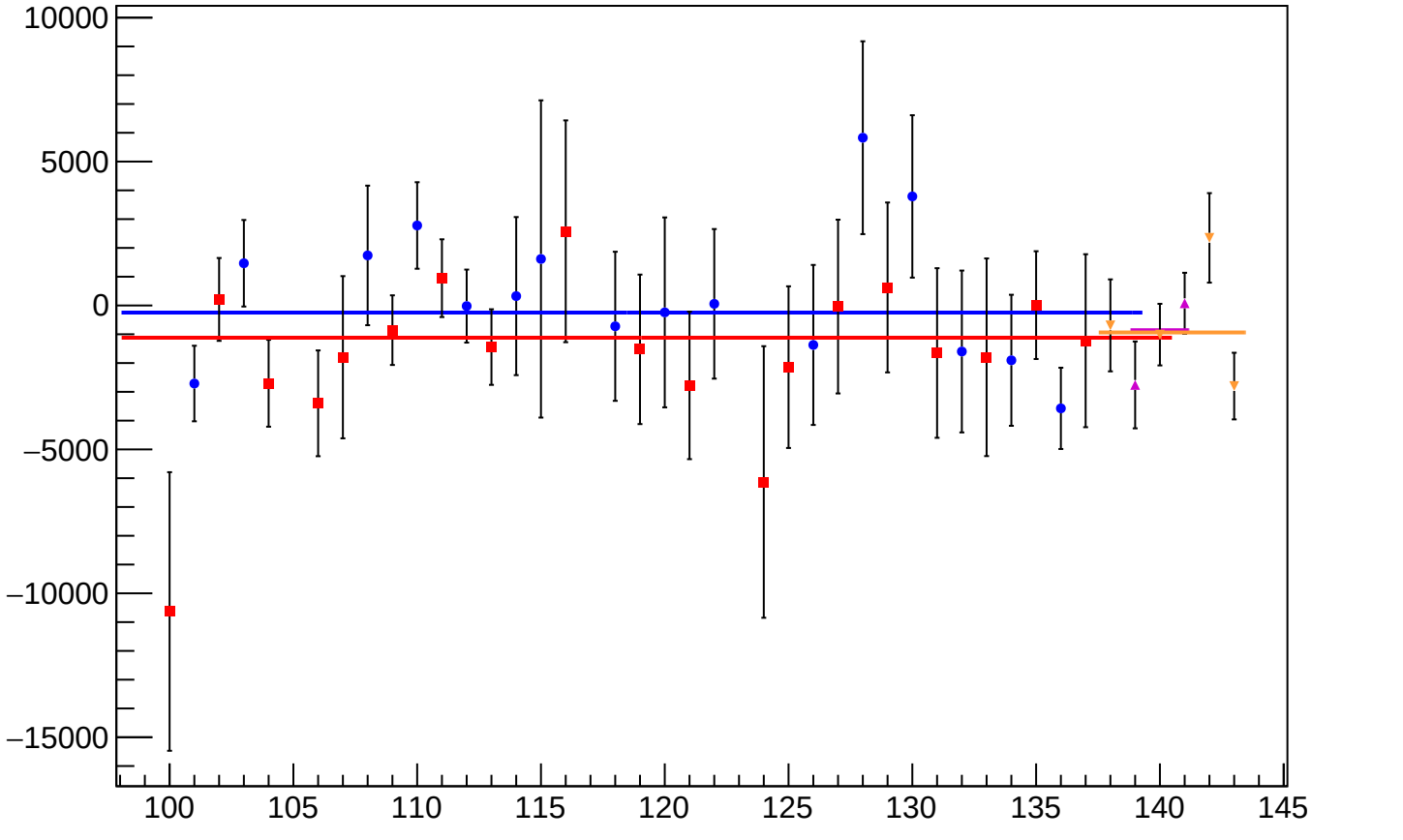
Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 135.628+/-0.073 χ^2/NDF:4053.0/1

+ sign 135.787+/-0.031 χ^2/NDF: 452653.7/19

All: 134.690+/-0.022 χ^2/NDF: 956108.6/40

- sign 133.513+/-0.032 χ^2/NDF: 500803.2/20



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -937.169+/-642.155 χ^2/NDF:7.1/3

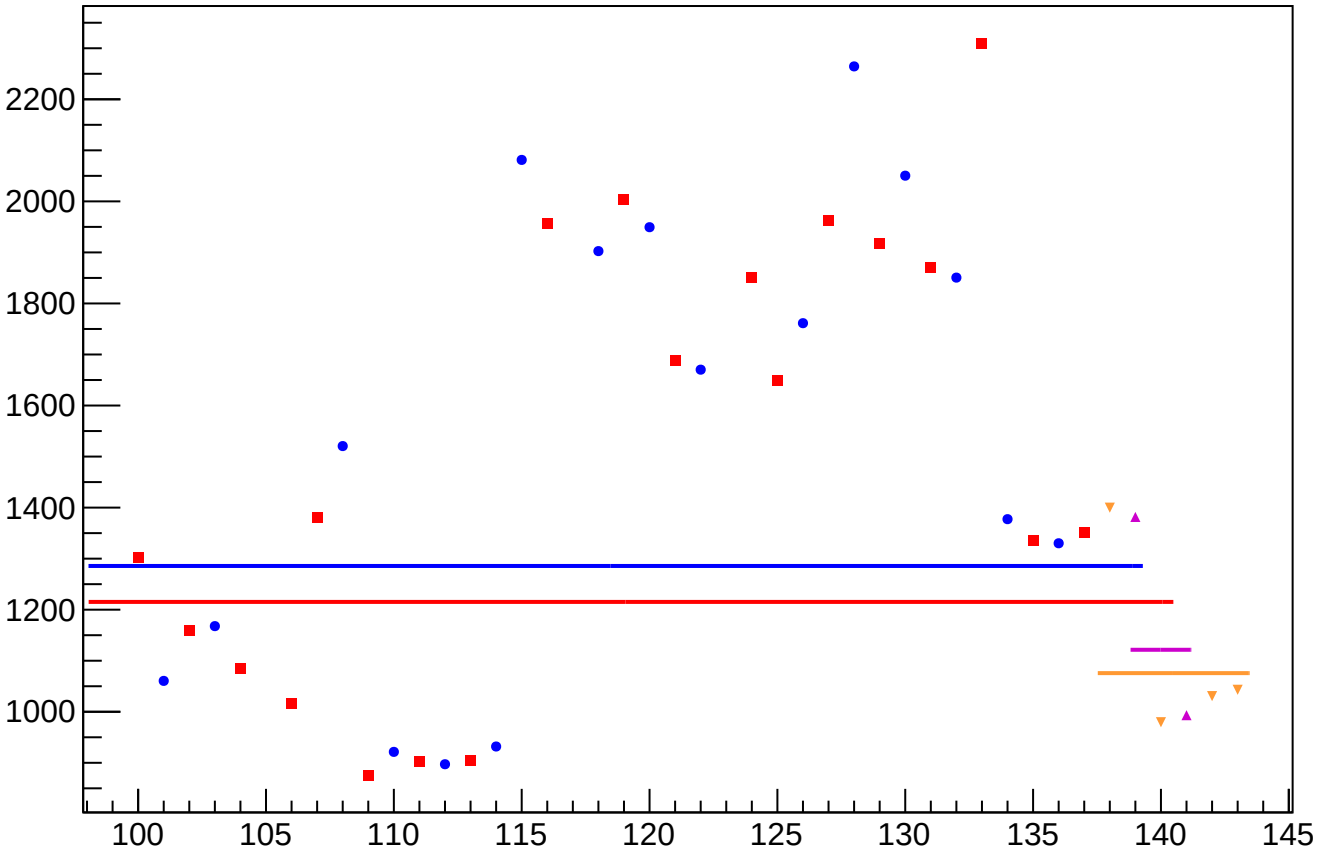
Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: -858.638+/-866.658 χ^2/NDF:2.4/1

+ sign -508.012+/-395.207 χ^2/NDF: 29.4/19

All: -772.706+/-285.228 χ^2/NDF: 46.2/40

- sign -1060.466+/-412.067 χ^2/NDF: 15.8/20



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.5/3

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

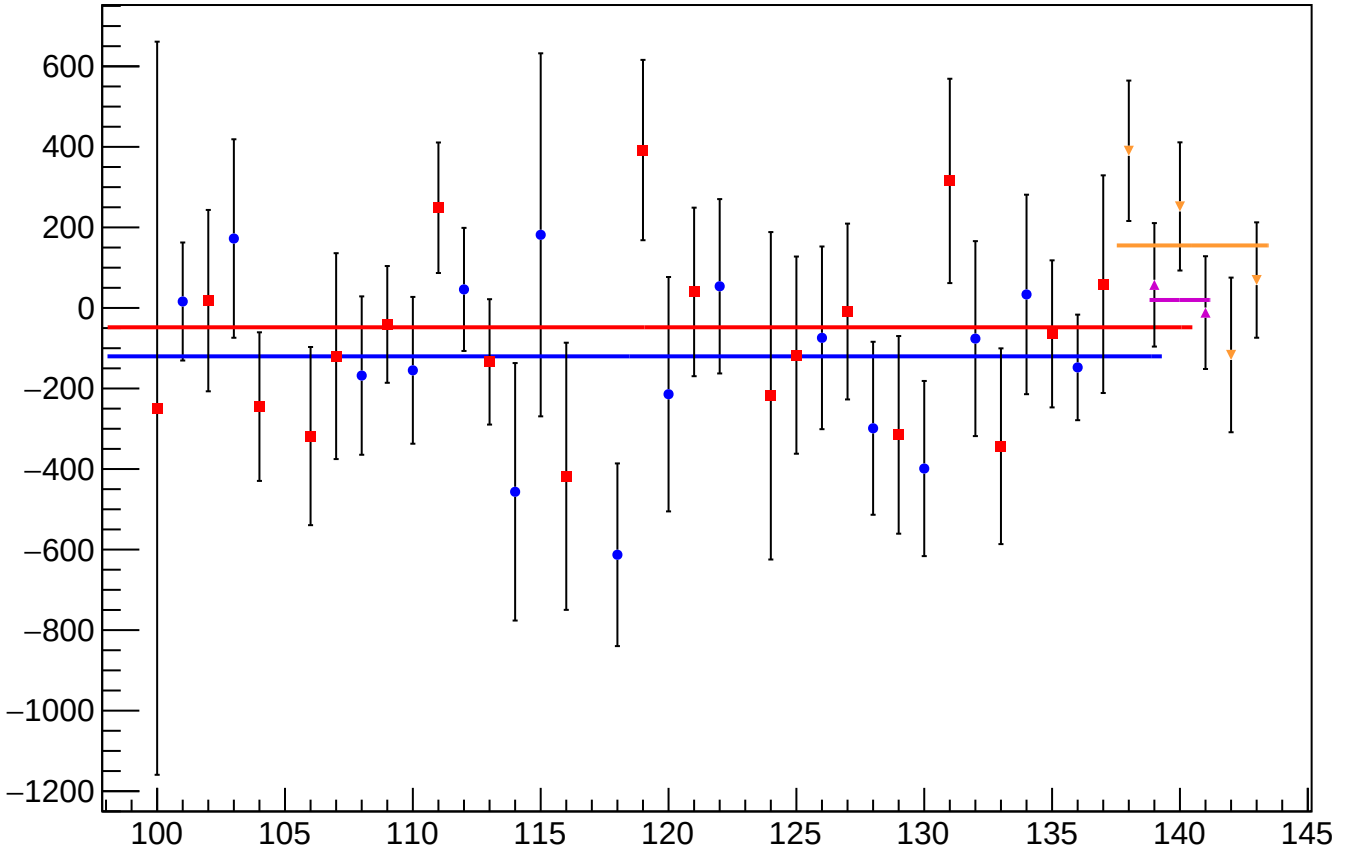
Left In: 1121.452+/-0.613 χ^2/NDF:88815.1/1

+ sign 1206.144+/-0.279 χ^2/NDF: 1405042.8/19

All: 1200.342+/-0.202 χ^2/NDF: 2899173.9/40

- sign 1194.035+/-0.291 χ^2/NDF: 1493231.6/20

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 155.219+/-82.140 χ^2/NDF:4.6/3

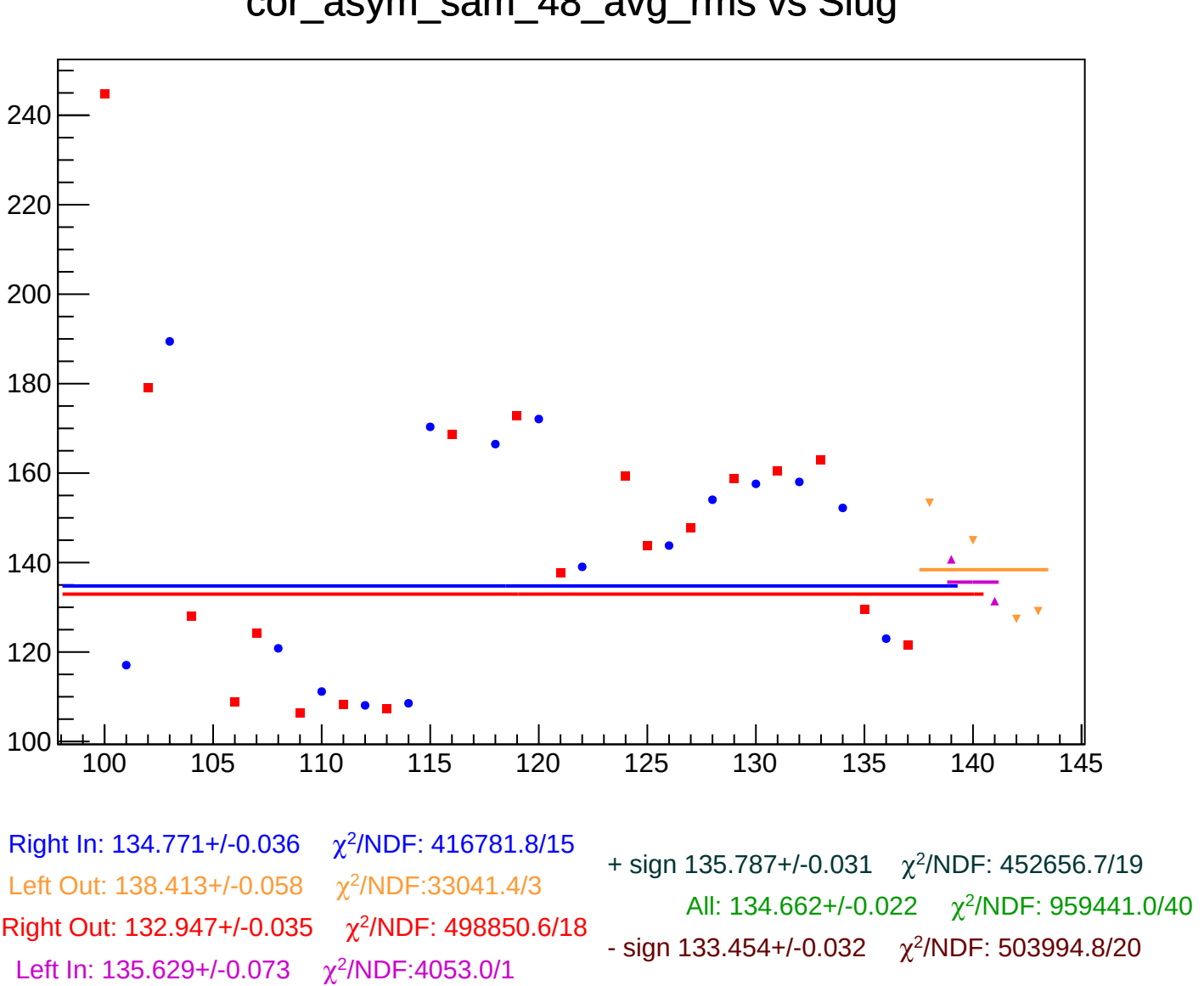
Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 19.792+/-103.383 χ^2/NDF:0.1/1

+ sign -43.321+/-43.391 χ^2/NDF: 26.1/19

All: -39.401+/-31.220 χ^2/NDF: 43.5/40

- sign -35.193+/-44.953 χ^2/NDF: 17.4/20



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

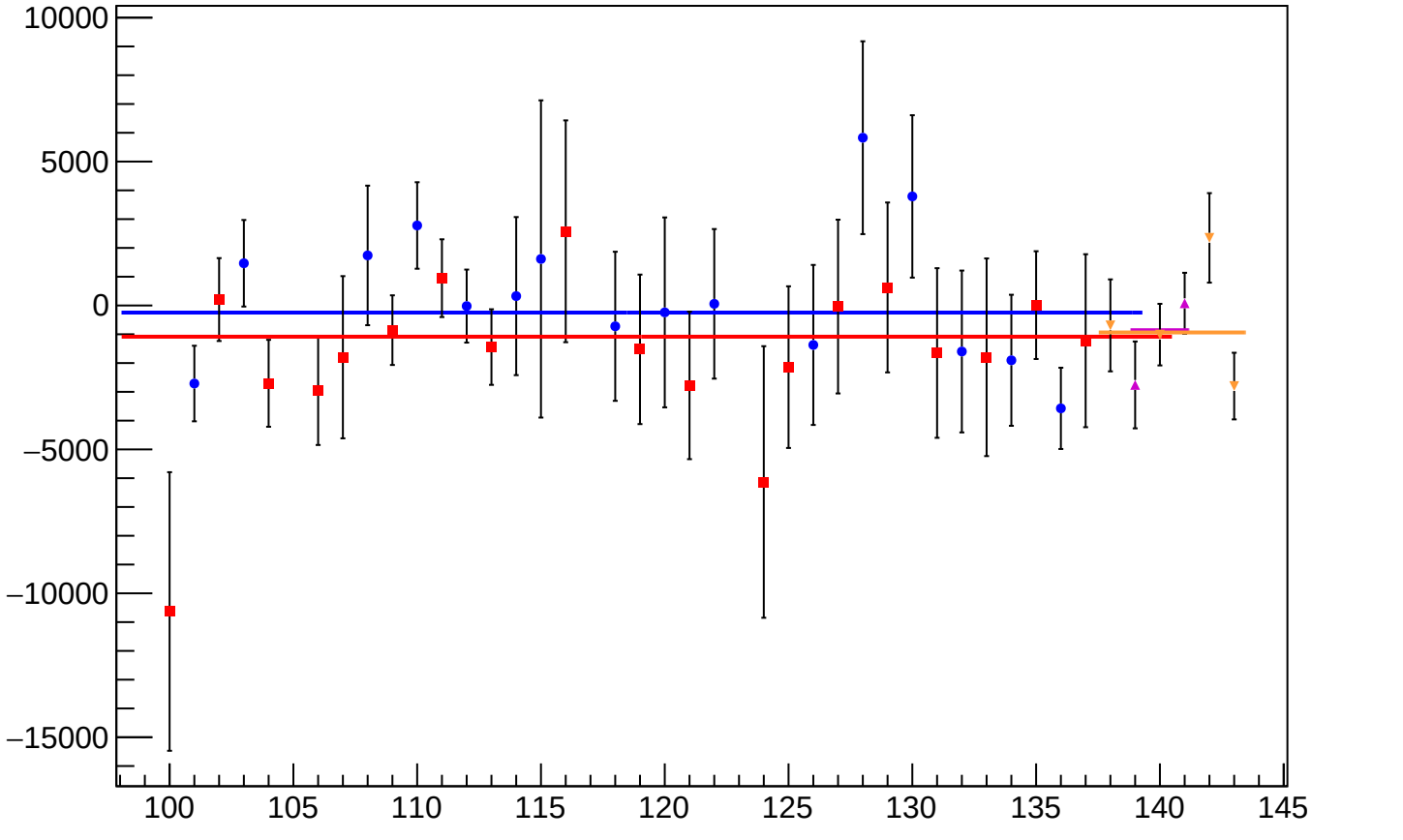
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 135.629+/-0.073 χ^2/NDF:4053.0/1

+ sign 135.787+/-0.031 χ^2/NDF: 452656.7/19

All: 134.662+/-0.022 χ^2/NDF: 959441.0/40

- sign 133.454+/-0.032 χ^2/NDF: 503994.8/20



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -937.148+/-642.155 χ^2/NDF:7.1/3

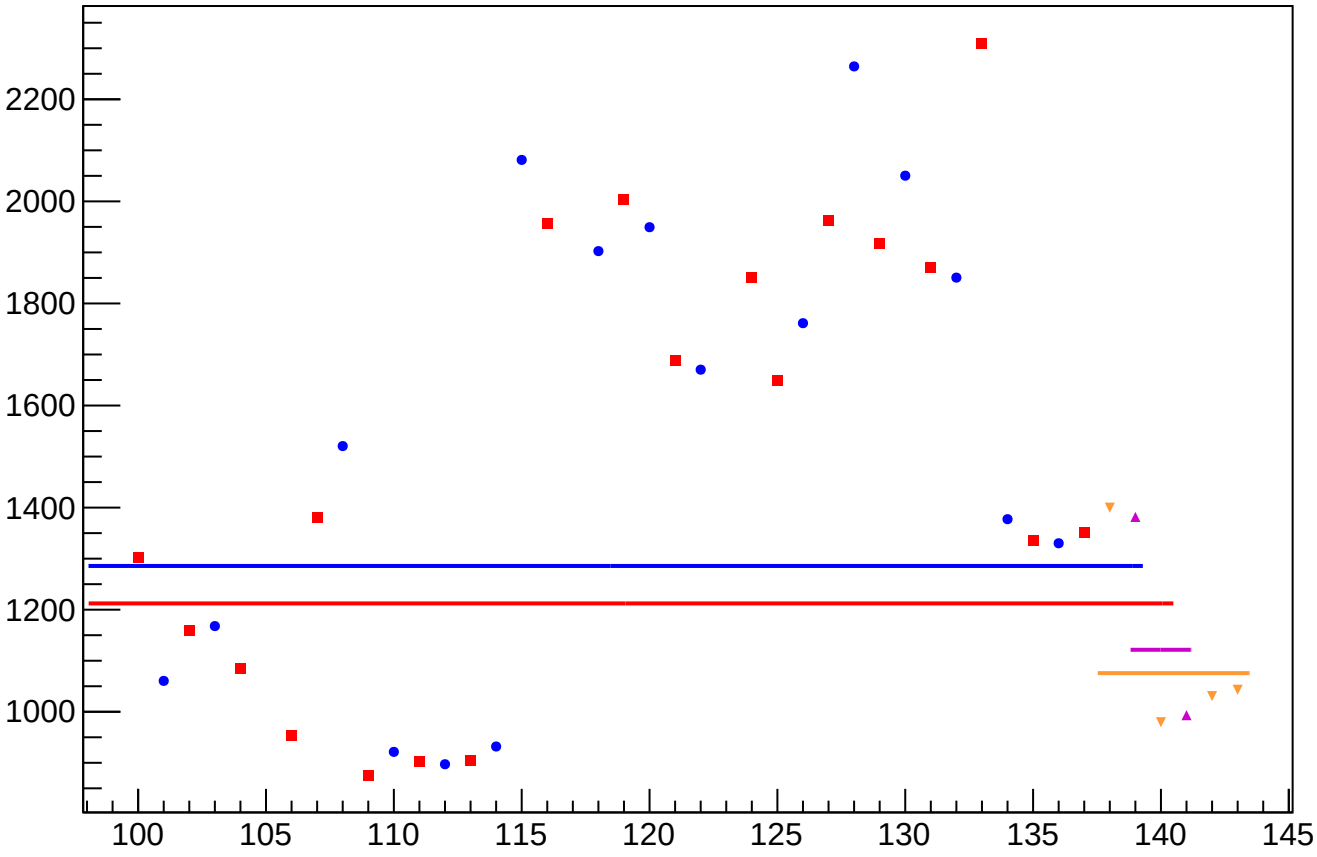
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -858.673+/-866.659 χ^2/NDF:2.4/1

+ sign -508.051+/-395.209 χ^2/NDF: 29.4/19

All: -759.158+/-285.437 χ^2/NDF: 45.5/40

- sign -1032.978+/-412.696 χ^2/NDF: 15.2/20



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.3/3

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

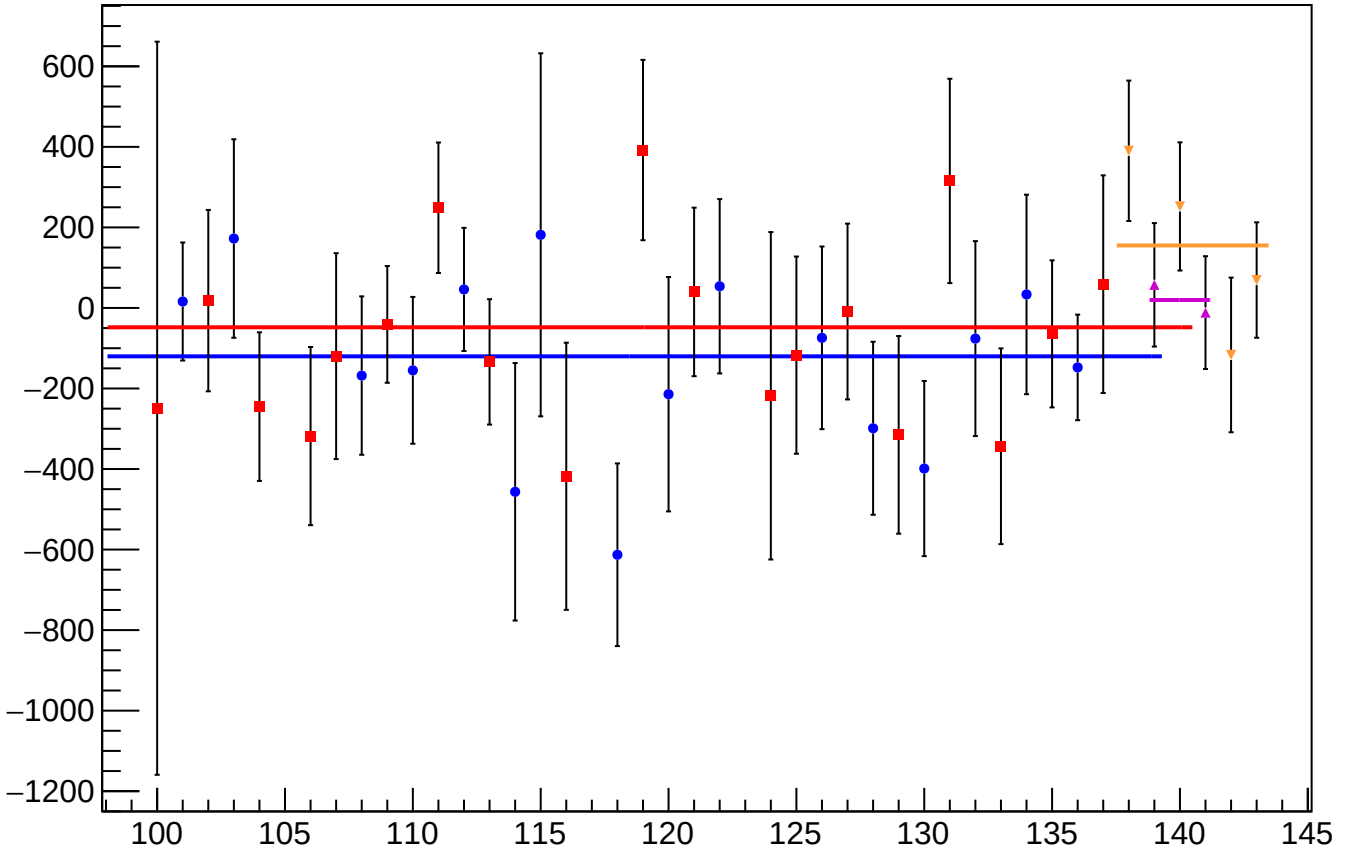
Left In: 1121.453+/-0.613 χ^2/NDF:88813.8/1

+ sign 1206.151+/-0.279 χ^2/NDF: 1405034.9/19

All: 1199.229+/-0.202 χ^2/NDF: 2912750.7/40

- sign 1191.681+/-0.292 χ^2/NDF: 1506433.2/20

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 155.219+/-82.140 χ^2/NDF:4.6/3

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

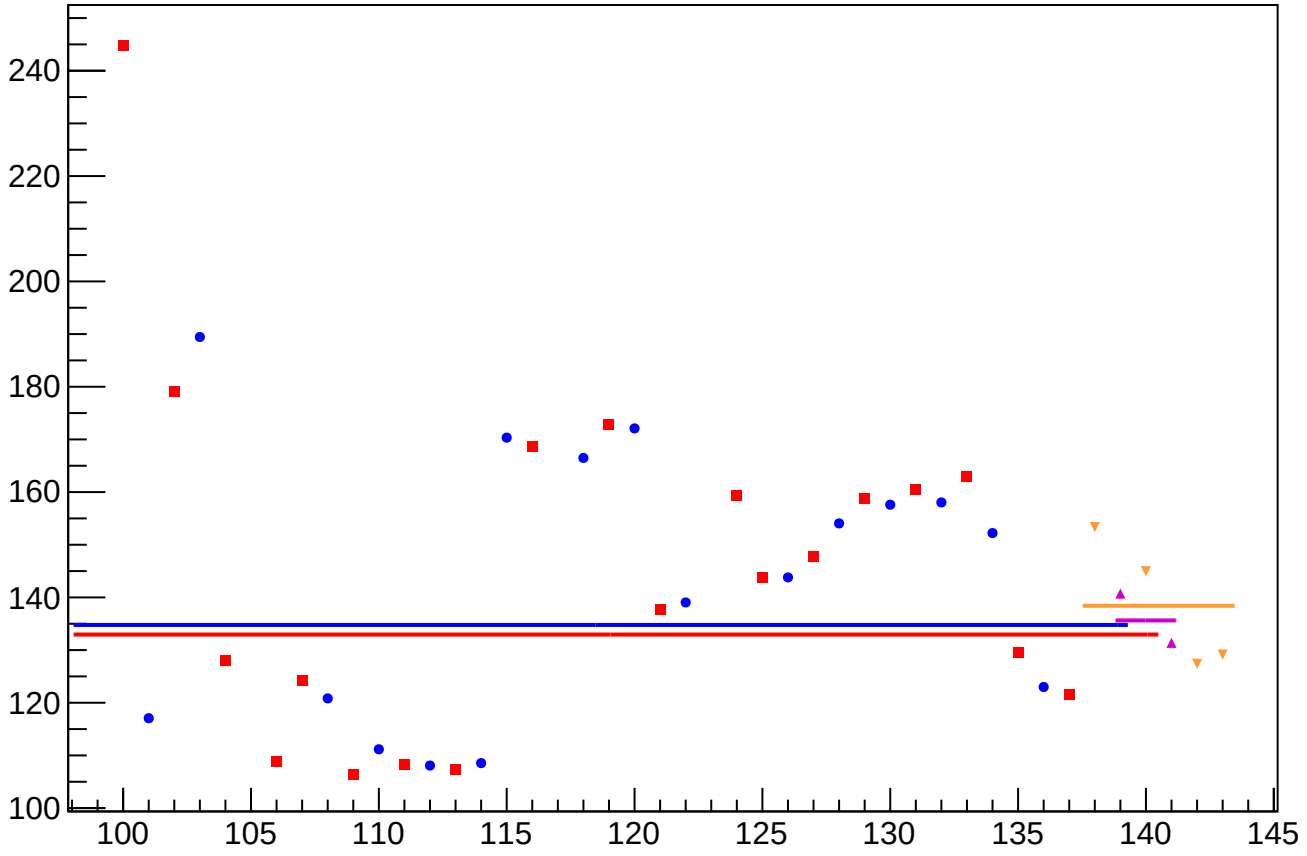
Left In: 19.792+/-103.383 χ^2/NDF:0.1/1

+ sign -43.321+/-43.391 χ^2/NDF: 26.1/19

All: -39.401+/-31.220 χ^2/NDF: 43.5/40

- sign -35.193+/-44.953 χ^2/NDF: 17.4/20

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

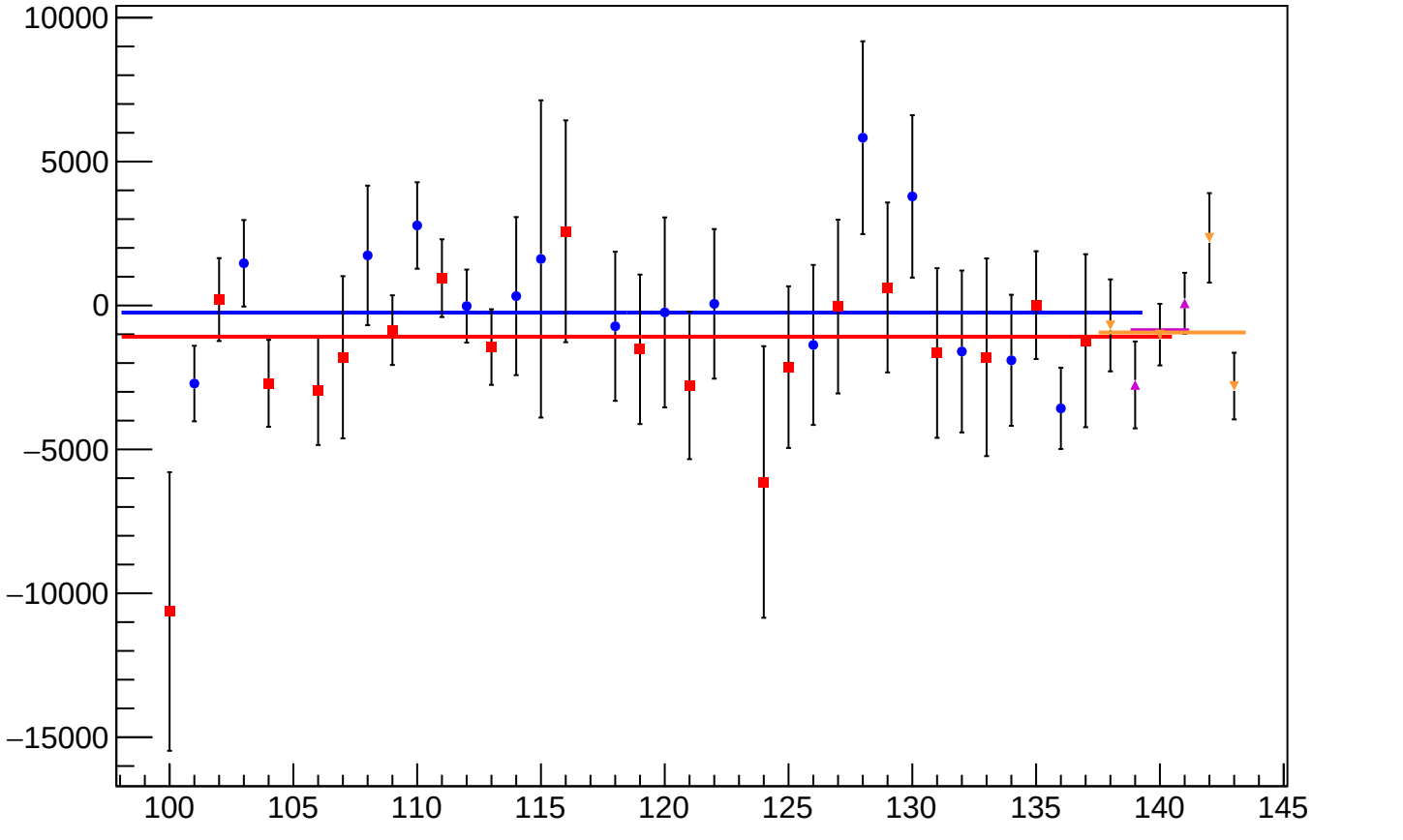
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 135.629+/-0.073 χ^2/NDF:4053.0/1

+ sign 135.787+/-0.031 χ^2/NDF: 452656.7/19

All: 134.662+/-0.022 χ^2/NDF: 959441.0/40

- sign 133.454+/-0.032 χ^2/NDF: 503994.8/20



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -937.148+/-642.155 χ^2/NDF:7.1/3

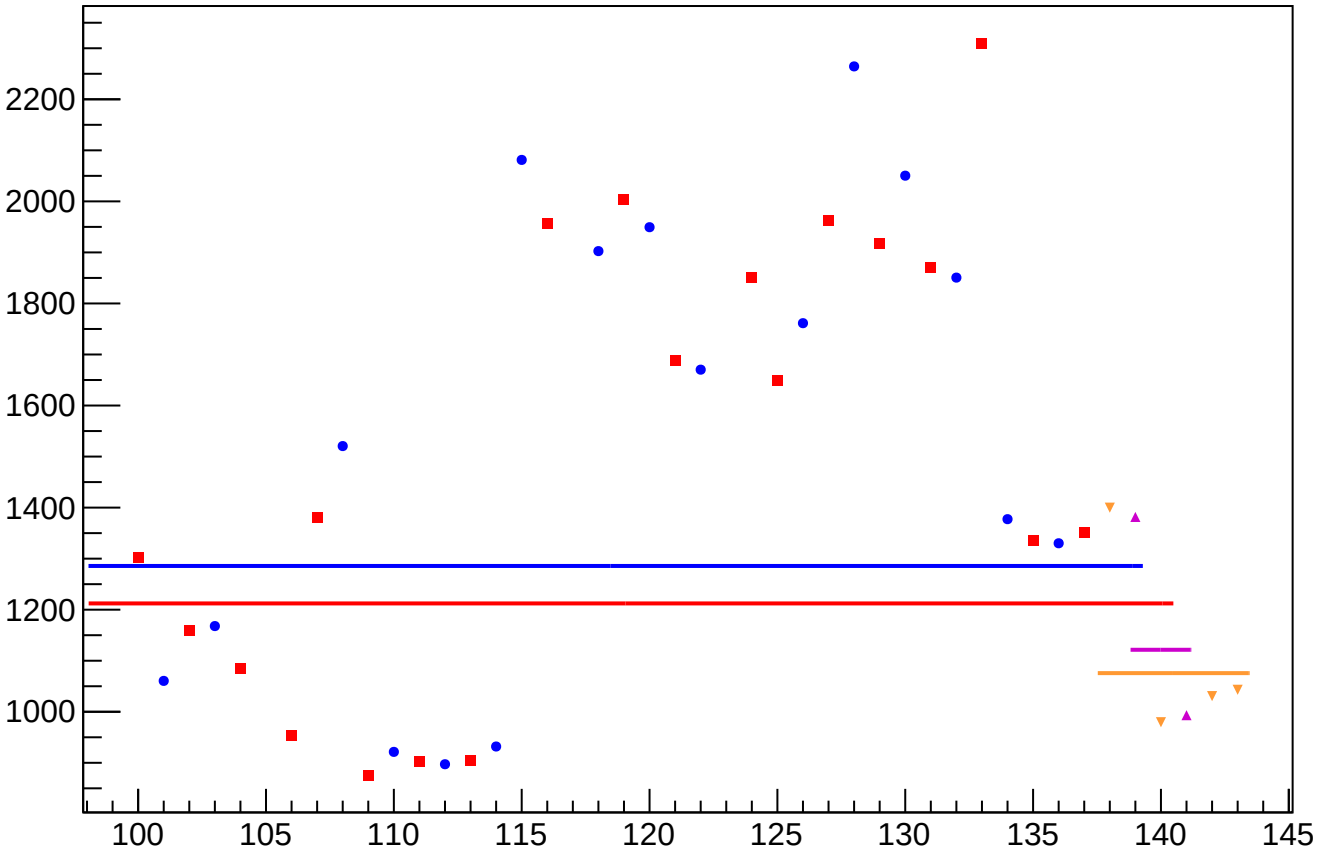
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -858.673+/-866.659 χ^2/NDF:2.4/1

+ sign -508.051+/-395.209 χ^2/NDF: 29.4/19

All: -759.158+/-285.437 χ^2/NDF: 45.5/40

- sign -1032.978+/-412.696 χ^2/NDF: 15.2/20



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.3/3

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

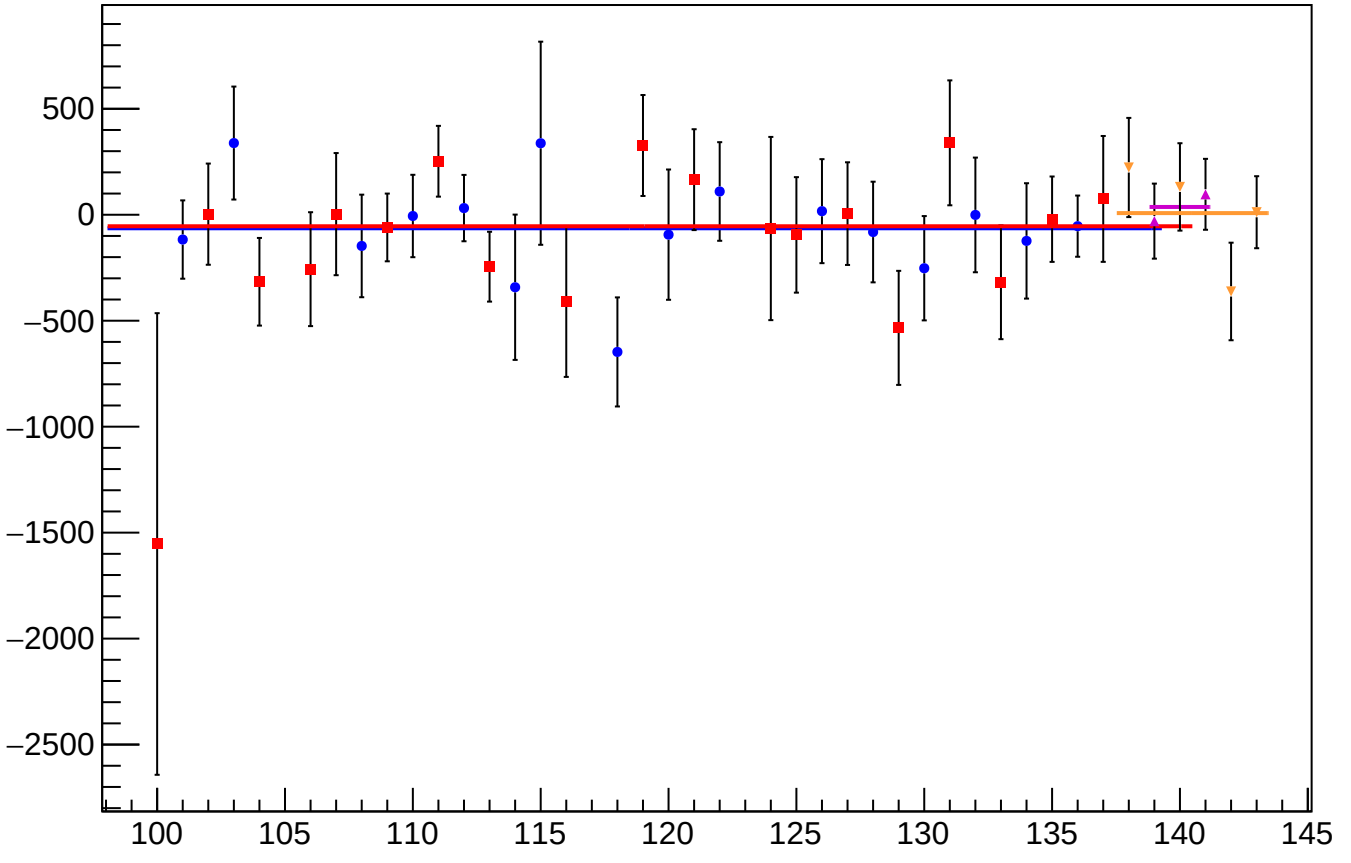
Left In: 1121.453+/-0.613 χ^2/NDF:88813.8/1

+ sign 1206.151+/-0.279 χ^2/NDF: 1405034.9/19

All: 1199.229+/-0.202 χ^2/NDF: 2912750.7/40

- sign 1191.681+/-0.292 χ^2/NDF: 1506433.2/20

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.802+/-102.443 χ^2/NDF:3.8/3

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

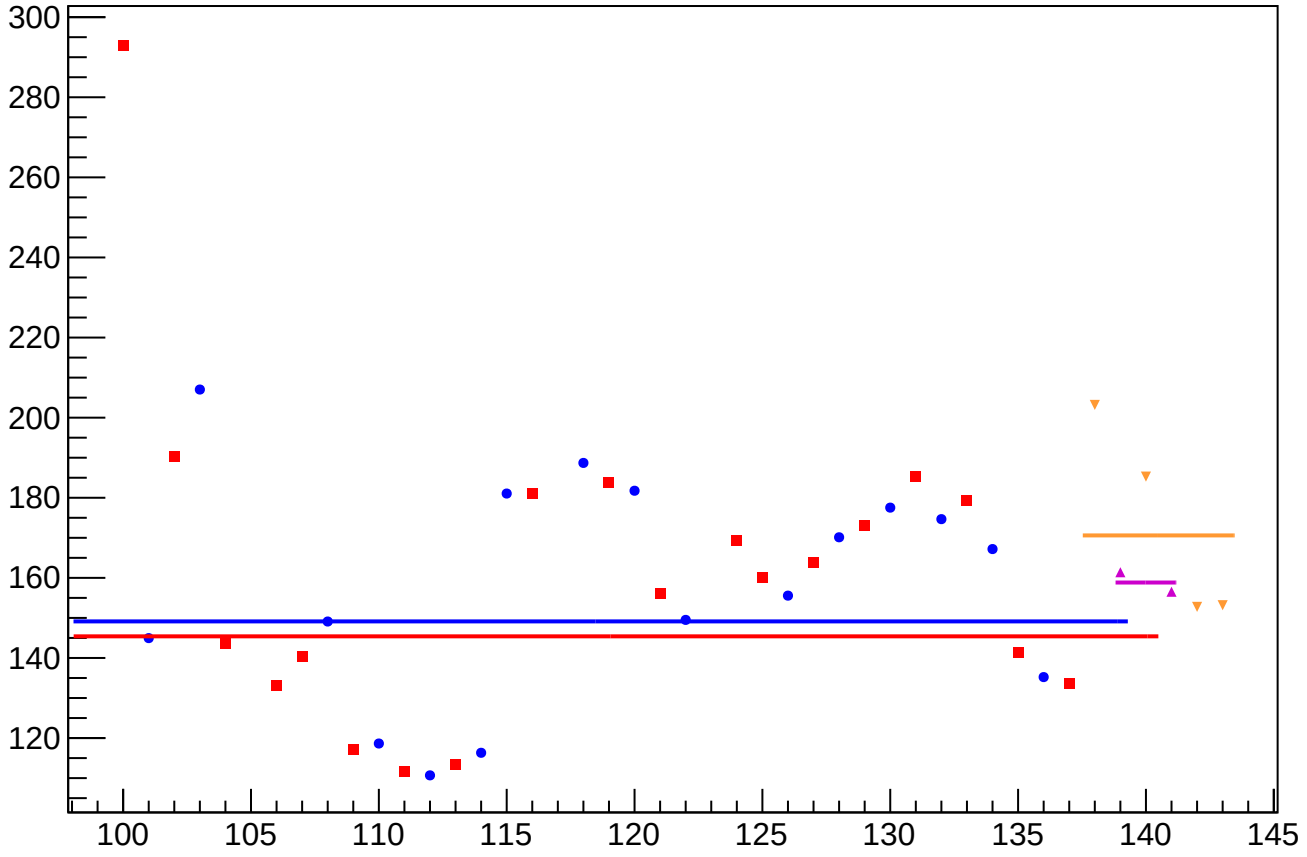
Left In: 36.763+/-121.612 χ^2/NDF:0.3/1

+ sign -46.980+/-49.631 χ^2/NDF: 15.0/19

All: -42.993+/-35.195 χ^2/NDF: 35.2/40

- sign -38.961+/-49.918 χ^2/NDF: 20.2/20

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 170.598+/-0.072 χ^2/NDF:81976.3/3

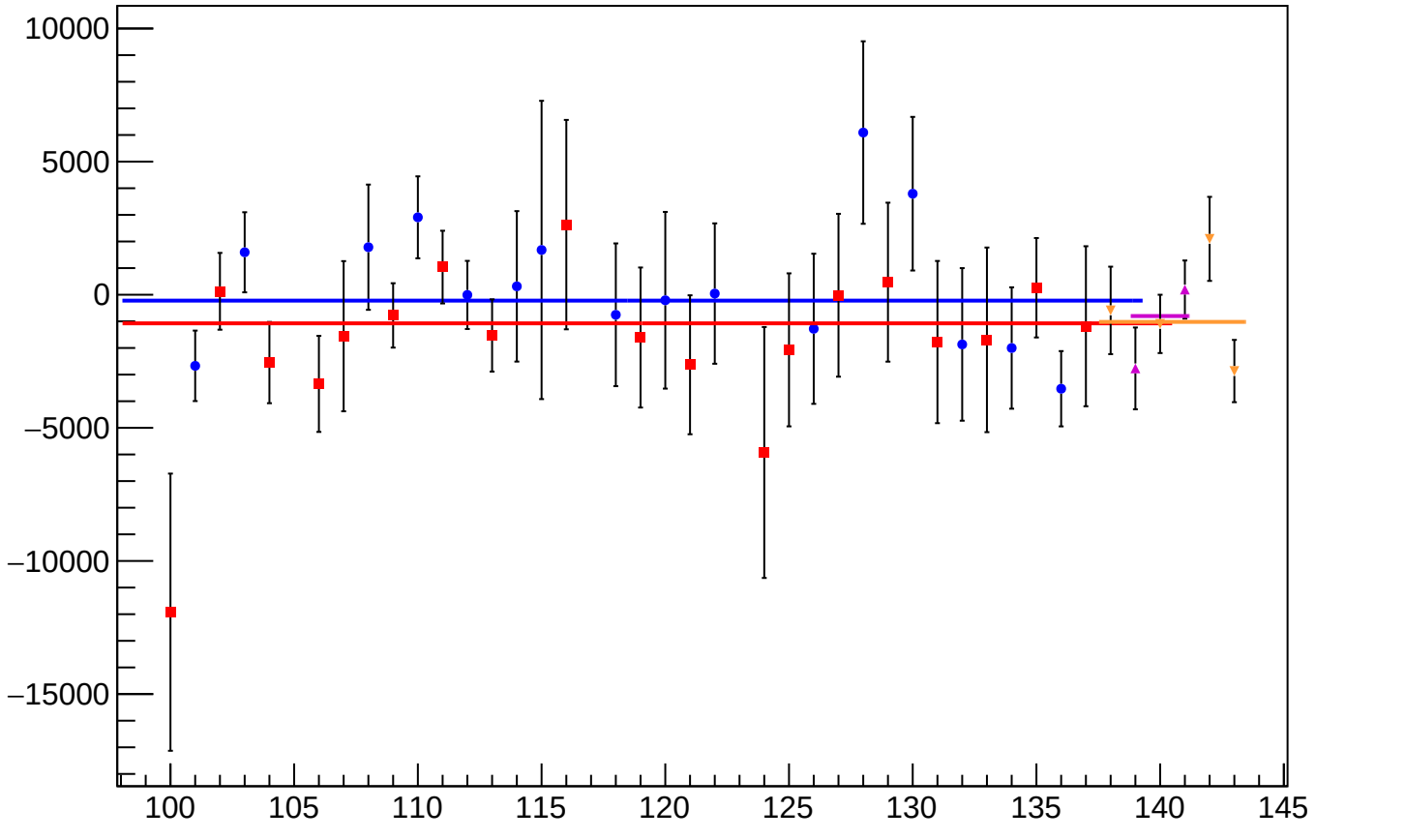
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.836+/-0.086 χ^2/NDF:797.9/1

+ sign 154.169+/-0.035 χ^2/NDF: 600195.5/19

All: 150.935+/-0.025 χ^2/NDF: 1164200.2/40

- sign 147.663+/-0.035 χ^2/NDF: 546919.6/20



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1020.360+/-654.143 χ^2/NDF:6.5/3

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

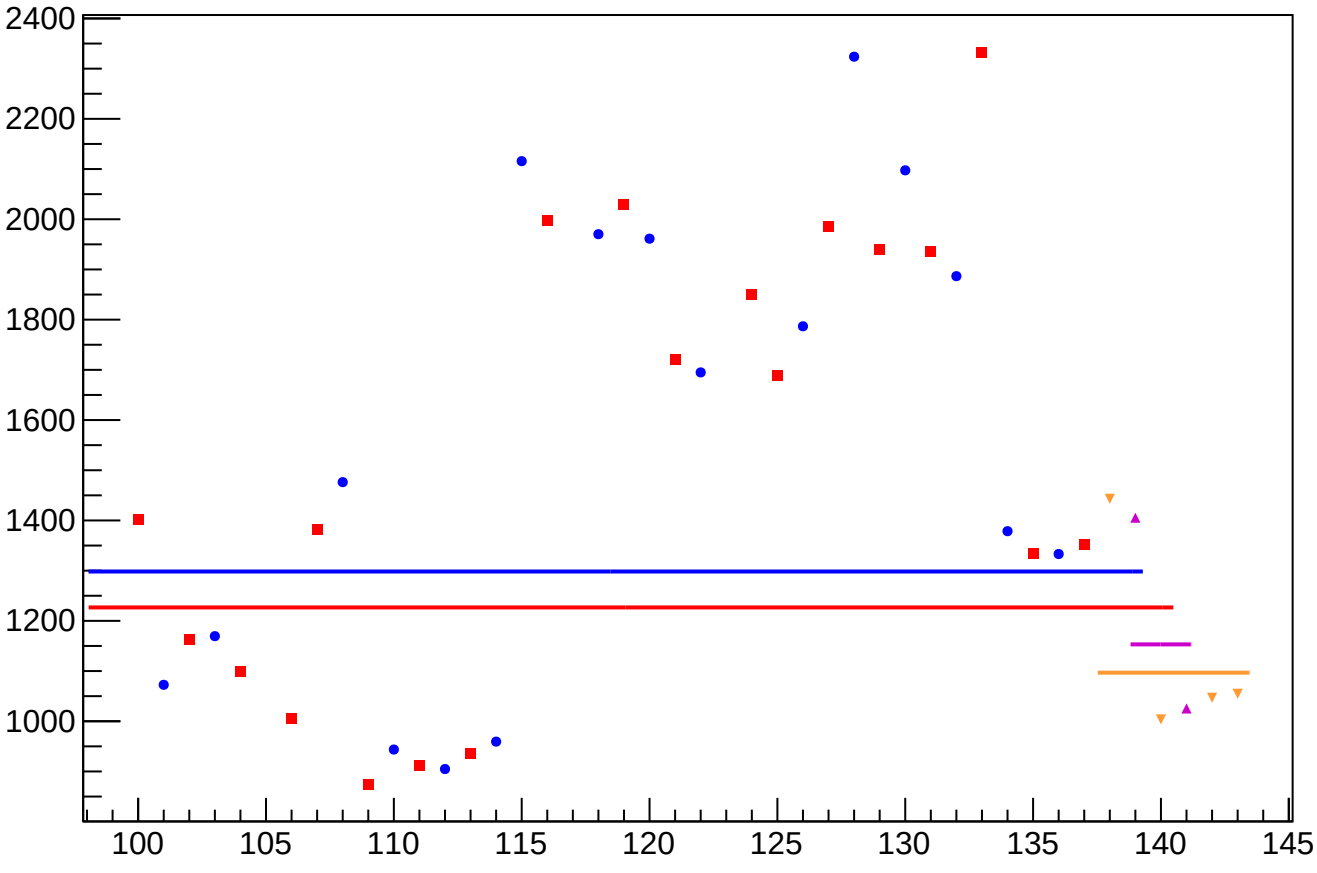
Left In: -800.229+/-889.832 χ^2/NDF:2.5/1

+ sign -520.544+/-400.334 χ^2/NDF: 29.3/19

All: -756.928+/-288.968 χ^2/NDF: 46.1/40

- sign -1014.060+/-417.533 χ^2/NDF: 16.2/20

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1096.821+/-0.463 χ^2/NDF:107996.5/3

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

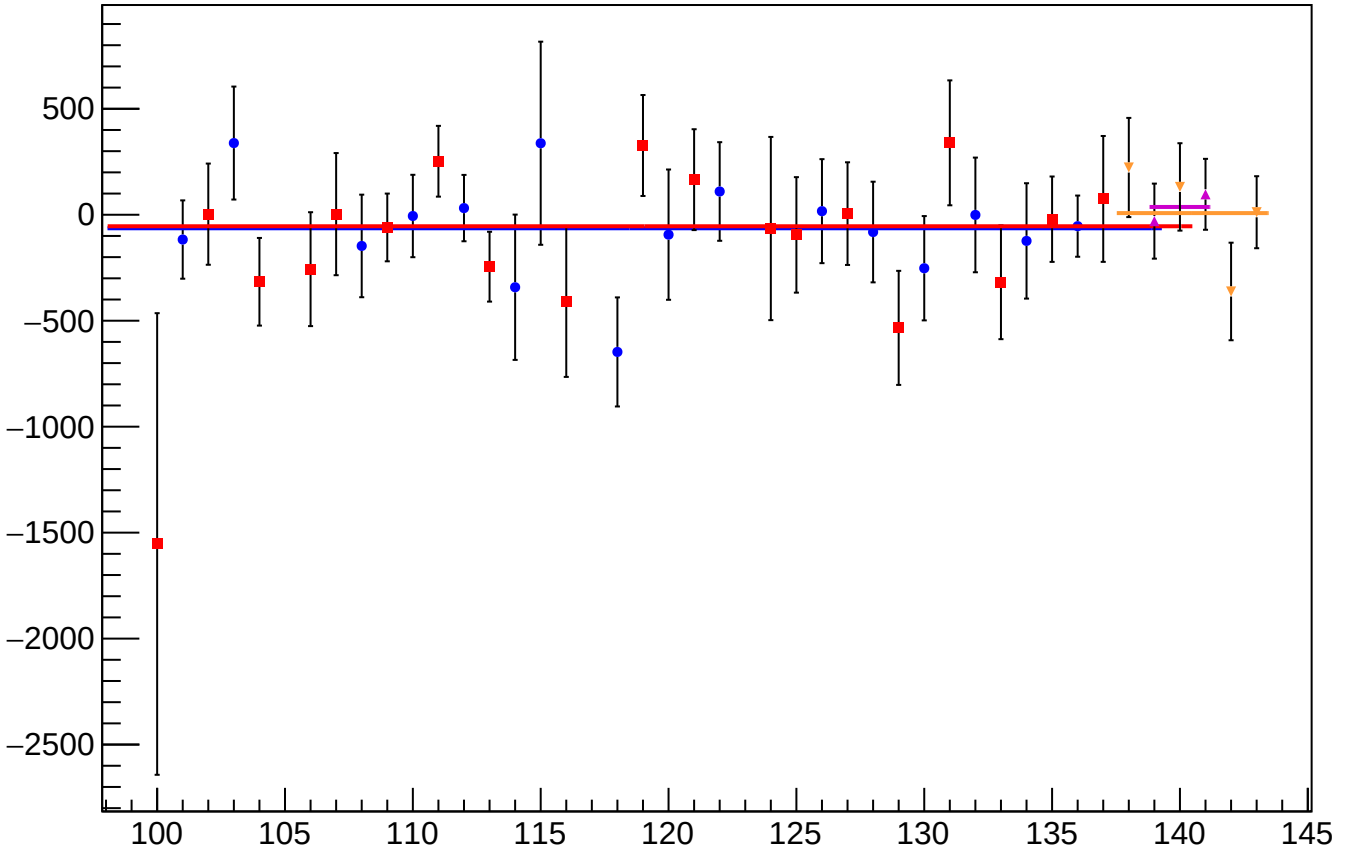
Left In: 1153.128+/-0.629 χ^2/NDF:81390.0/1

+ sign 1222.833+/-0.283 χ^2/NDF: 1408782.3/19

All: 1216.937+/-0.204 χ^2/NDF: 2906270.1/40

- sign 1210.523+/-0.295 χ^2/NDF: 1496582.0/20

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.804+/-102.443 χ^2/NDF:3.8/3

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

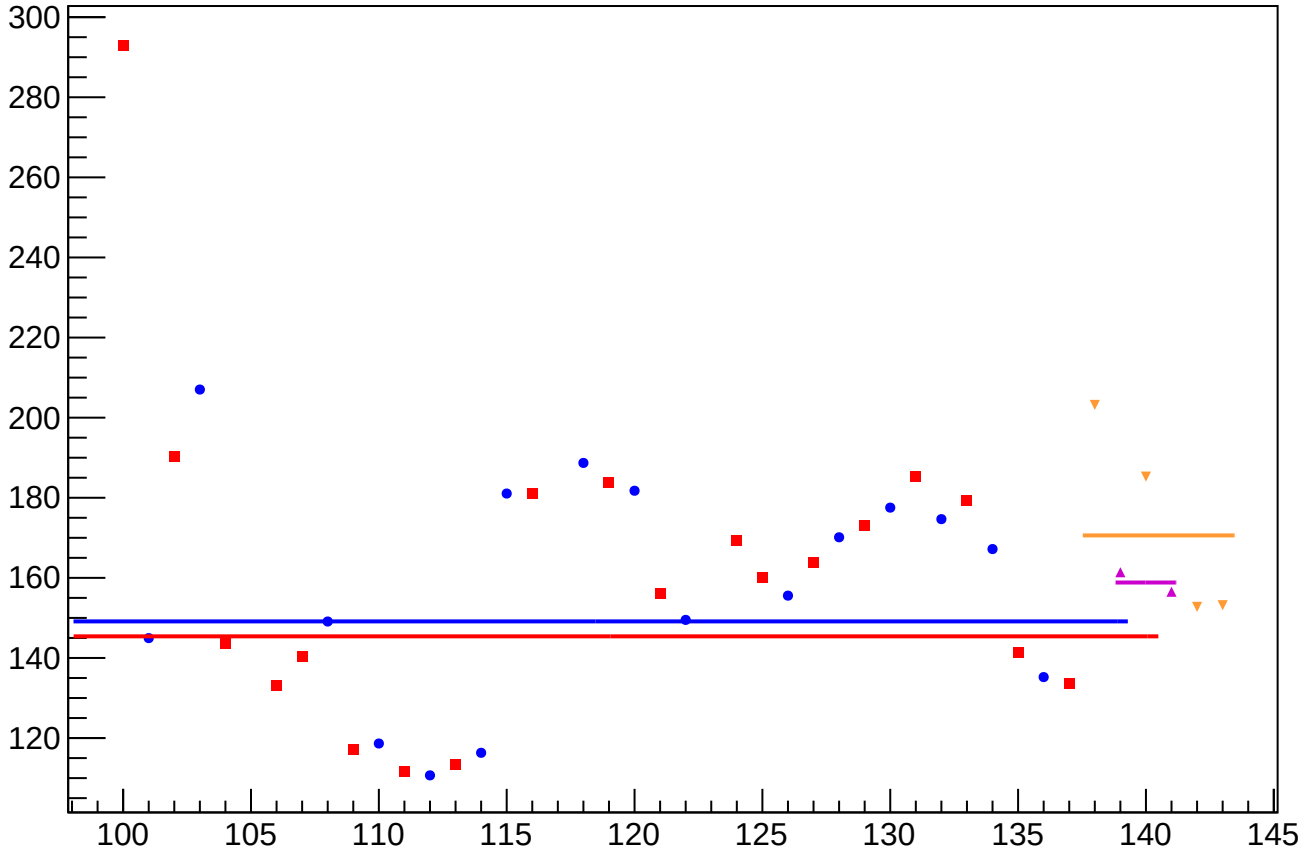
Left In: 36.765+/-121.612 χ^2/NDF:0.3/1

+ sign -46.977+/-49.631 χ^2/NDF: 15.0/19

All: -42.992+/-35.195 χ^2/NDF: 35.2/40

- sign -38.960+/-49.918 χ^2/NDF: 20.2/20

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 170.598+/-0.072 χ^2/NDF:81973.8/3

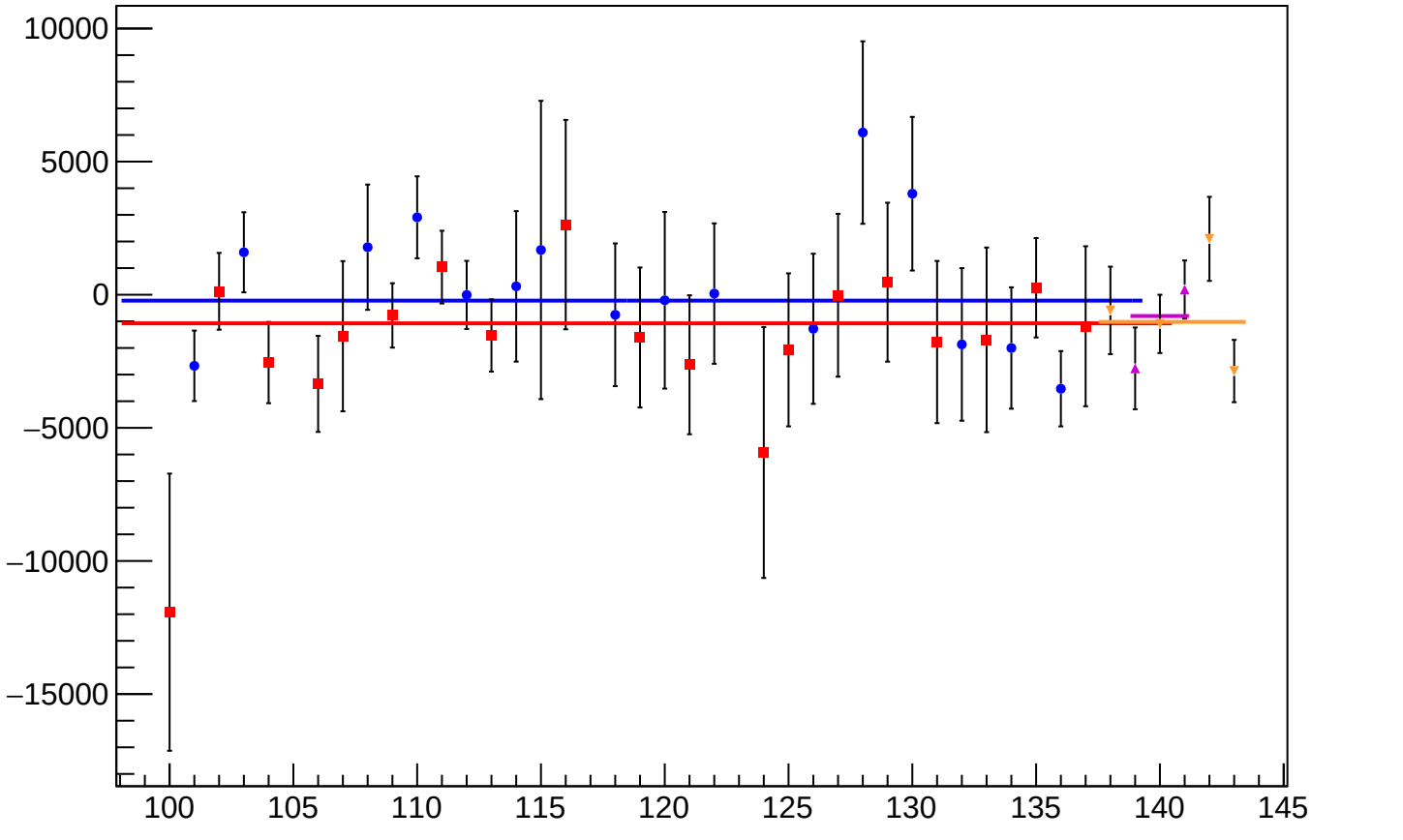
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.836+/-0.086 χ^2/NDF:797.7/1

+ sign 154.169+/-0.035 χ^2/NDF: 600196.2/19

All: 150.935+/-0.025 χ^2/NDF: 1164203.4/40

- sign 147.663+/-0.035 χ^2/NDF: 546921.6/20



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1020.360+/-654.142 χ^2/NDF:6.5/3

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

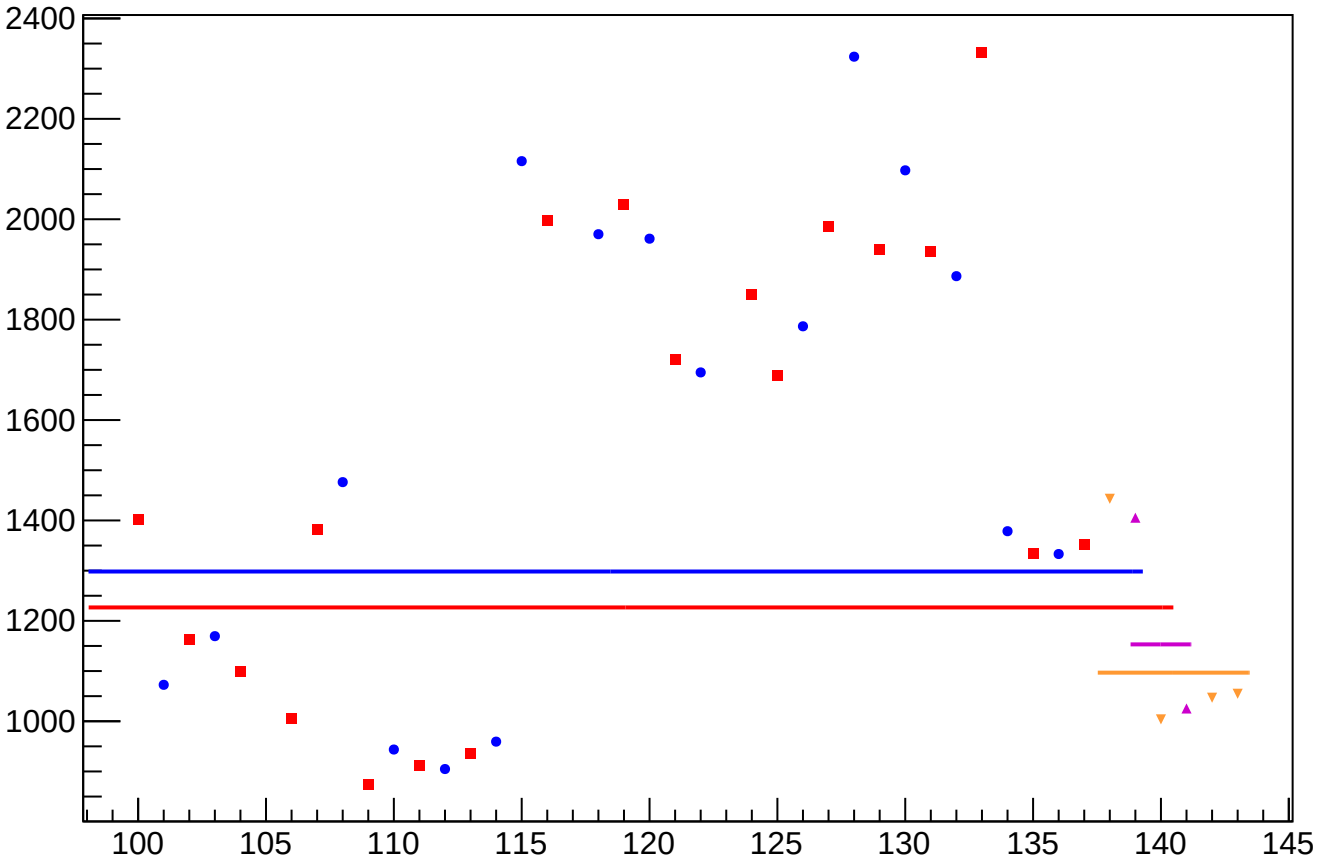
Left In: -800.229+/-889.830 χ^2/NDF:2.5/1

+ sign -520.544+/-400.334 χ^2/NDF: 29.3/19

All: -756.928+/-288.968 χ^2/NDF: 46.1/40

- sign -1014.059+/-417.533 χ^2/NDF: 16.2/20

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1096.819+/-0.463 χ^2/NDF:107995.7/3

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

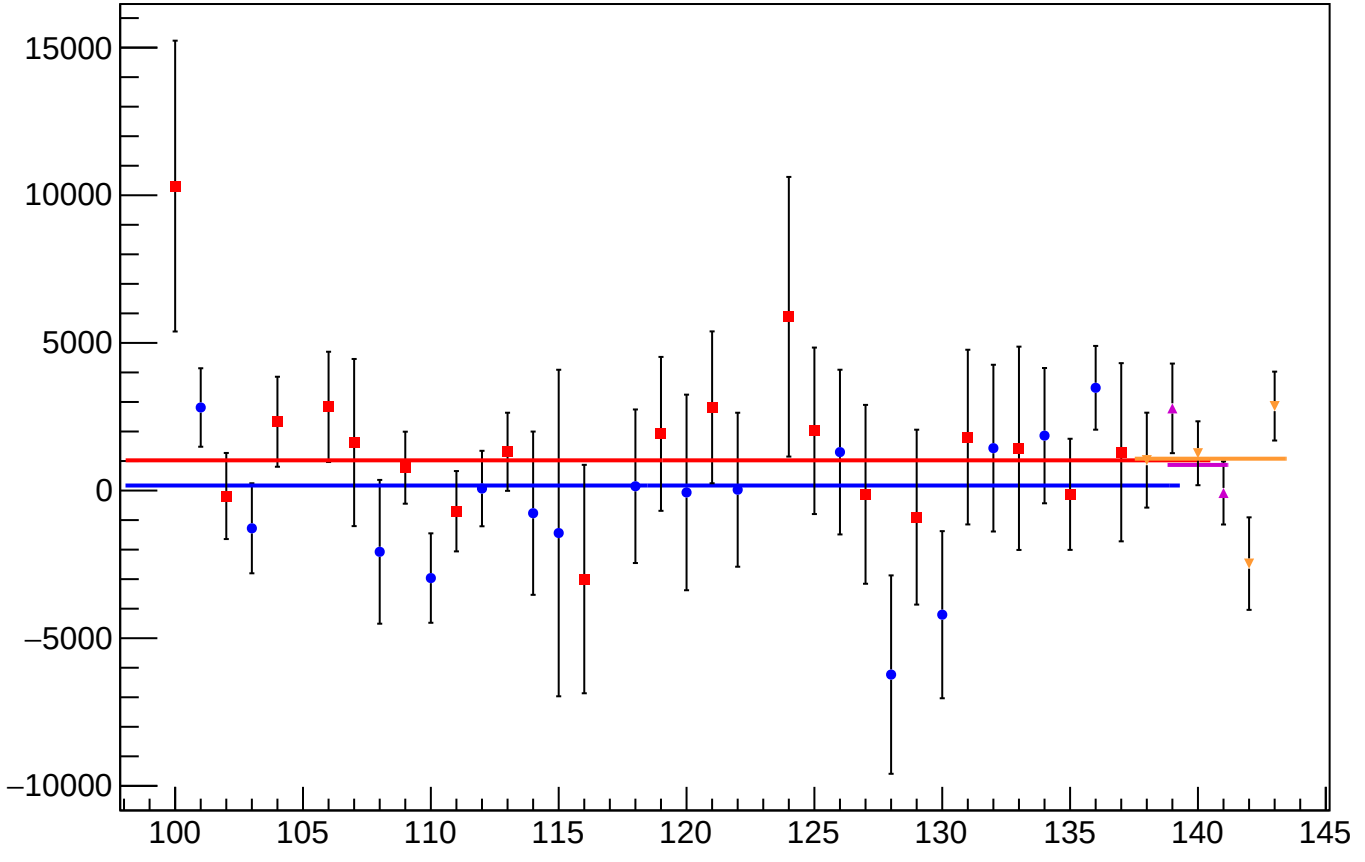
Left In: 1153.125+/-0.629 χ^2/NDF:81390.7/1

+ sign 1222.832+/-0.283 χ^2/NDF: 1408785.9/19

All: 1216.936+/-0.204 χ^2/NDF: 2906277.7/40

- sign 1210.522+/-0.295 χ^2/NDF: 1496586.0/20

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1079.216+/-647.808 χ^2/NDF:7.5/3

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

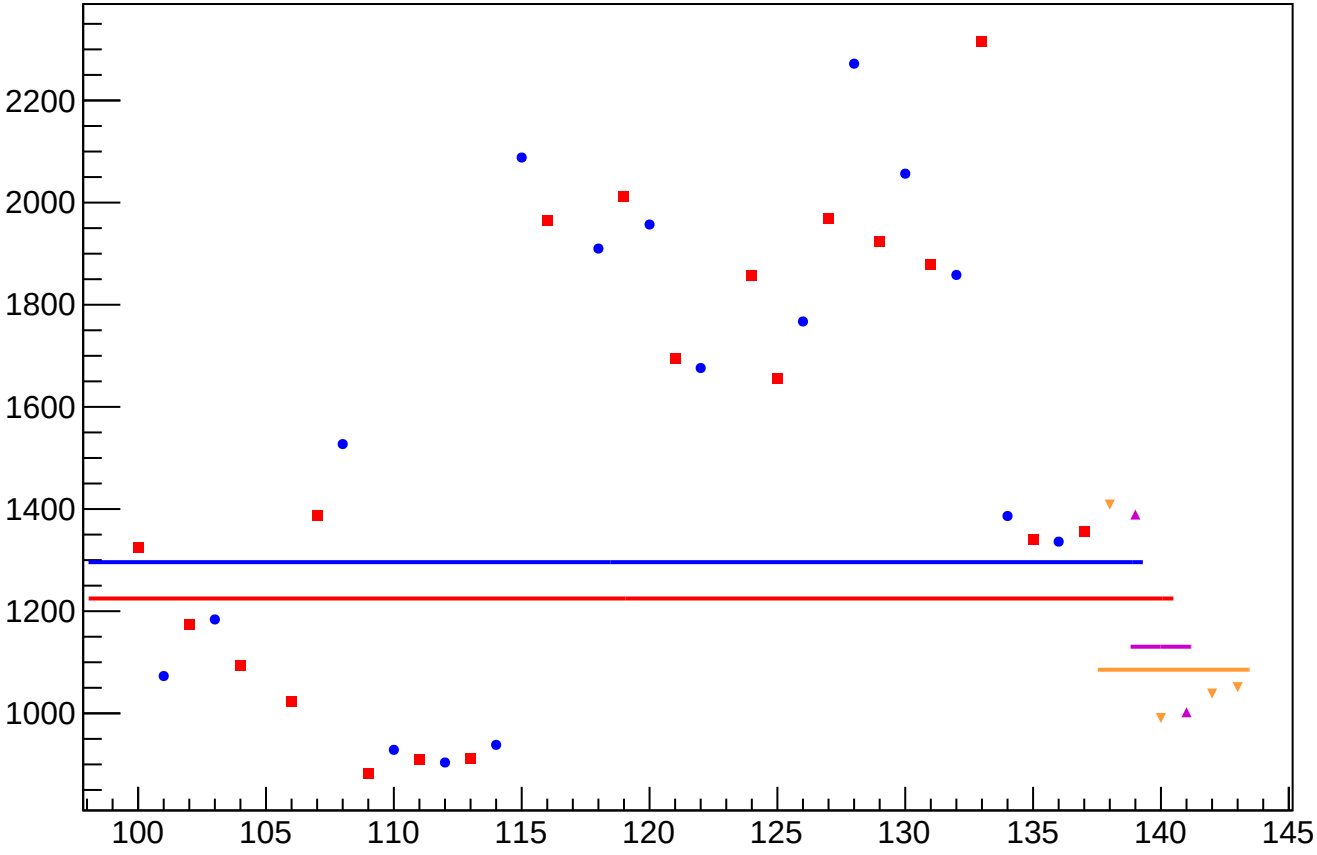
Left In: 868.074+/-873.341 χ^2/NDF:2.4/1

+ sign 514.450+/-398.347 χ^2/NDF: 31.3/19

All: 741.643+/-287.461 χ^2/NDF: 46.0/40

- sign 988.517+/-415.242 χ^2/NDF: 14.0/20

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1085.424+/-0.458 χ^2/NDF:99714.1/3

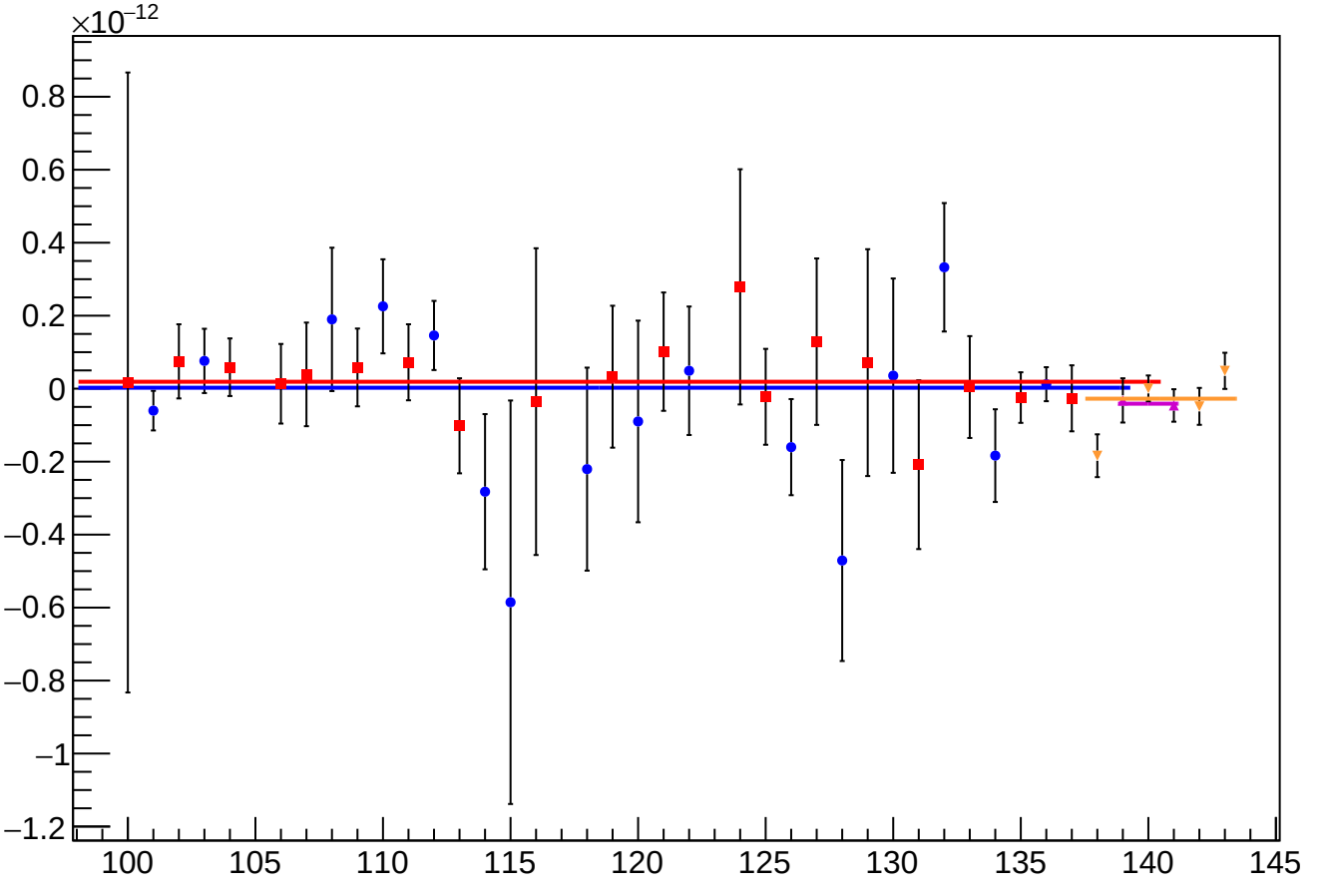
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1130.461+/-0.618 χ^2/NDF:87062.8/1

+ sign 1216.369+/-0.282 χ^2/NDF: 1385303.2/19

All: 1210.215+/-0.203 χ^2/NDF: 2862736.0/40

- sign 1203.529+/-0.294 χ^2/NDF: 1476436.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/3

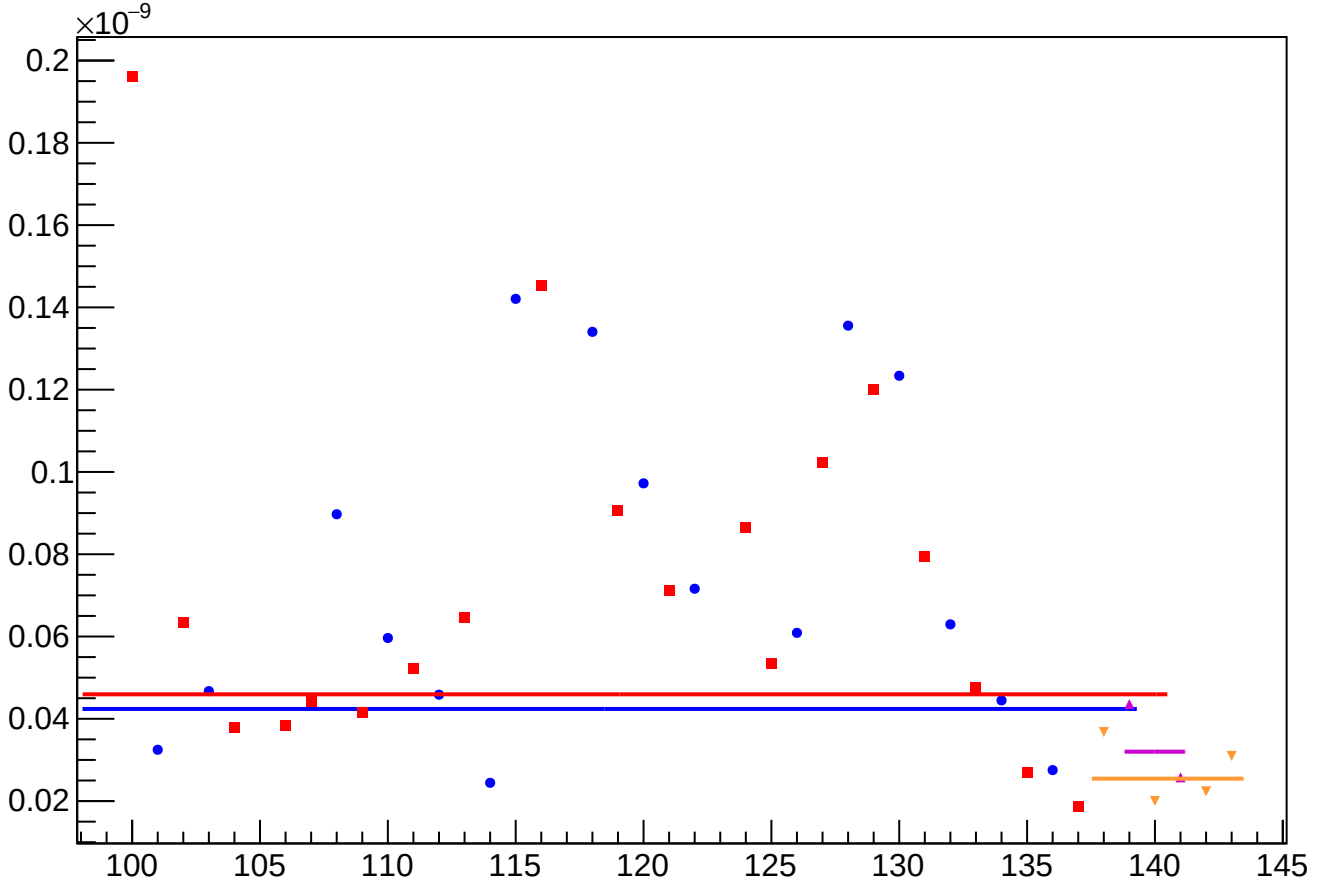
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/19

All: -0.000+/-0.000 χ^2/NDF: 39.8/40

- sign -0.000+/-0.000 χ^2/NDF: 6.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:153871.9/3

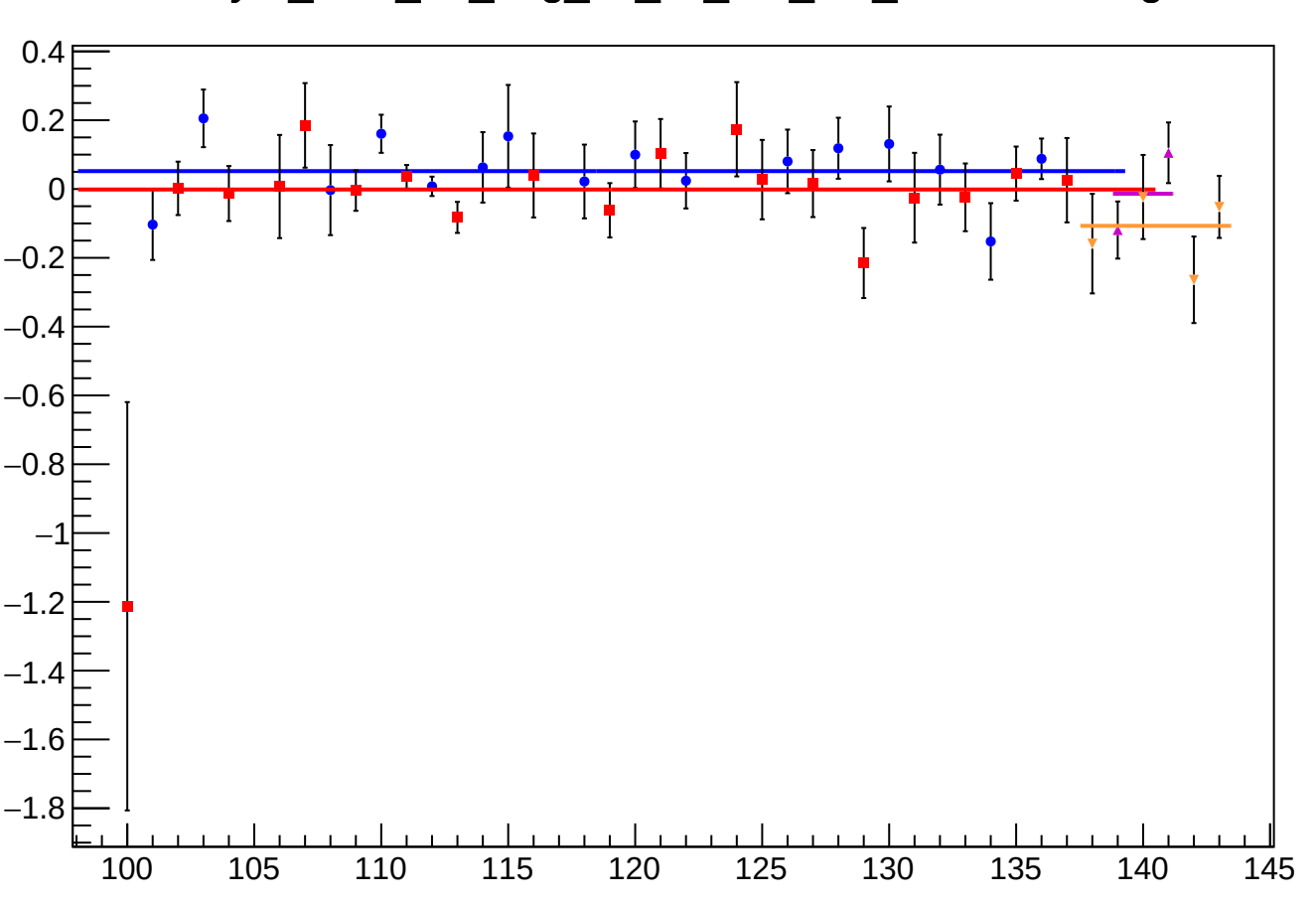
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:112111.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 1954859.8/19

All: 0.000+/-0.000 χ^2/NDF: 3520264.0/40

- sign 0.000+/-0.000 χ^2/NDF: 1413952.2/20



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

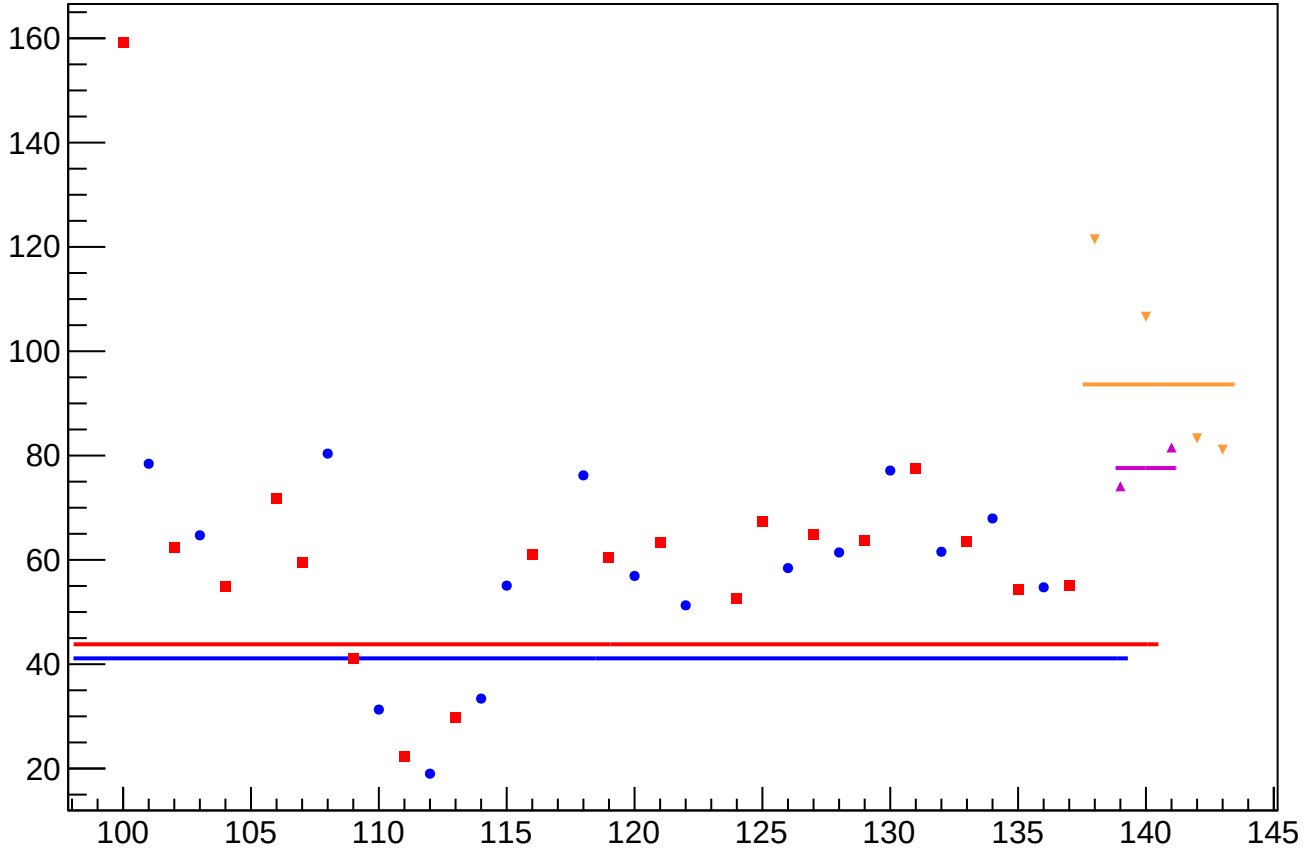
Left In: -0.014+/-0.060 χ^2/NDF:3.4/1

+ sign 0.038+/-0.017 χ^2/NDF: 27.5/19

All: 0.018+/-0.012 χ^2/NDF: 53.0/40

- sign -0.002+/-0.017 χ^2/NDF: 22.7/20

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: 93.638+/-0.041 χ^2/NDF:148470.7/3

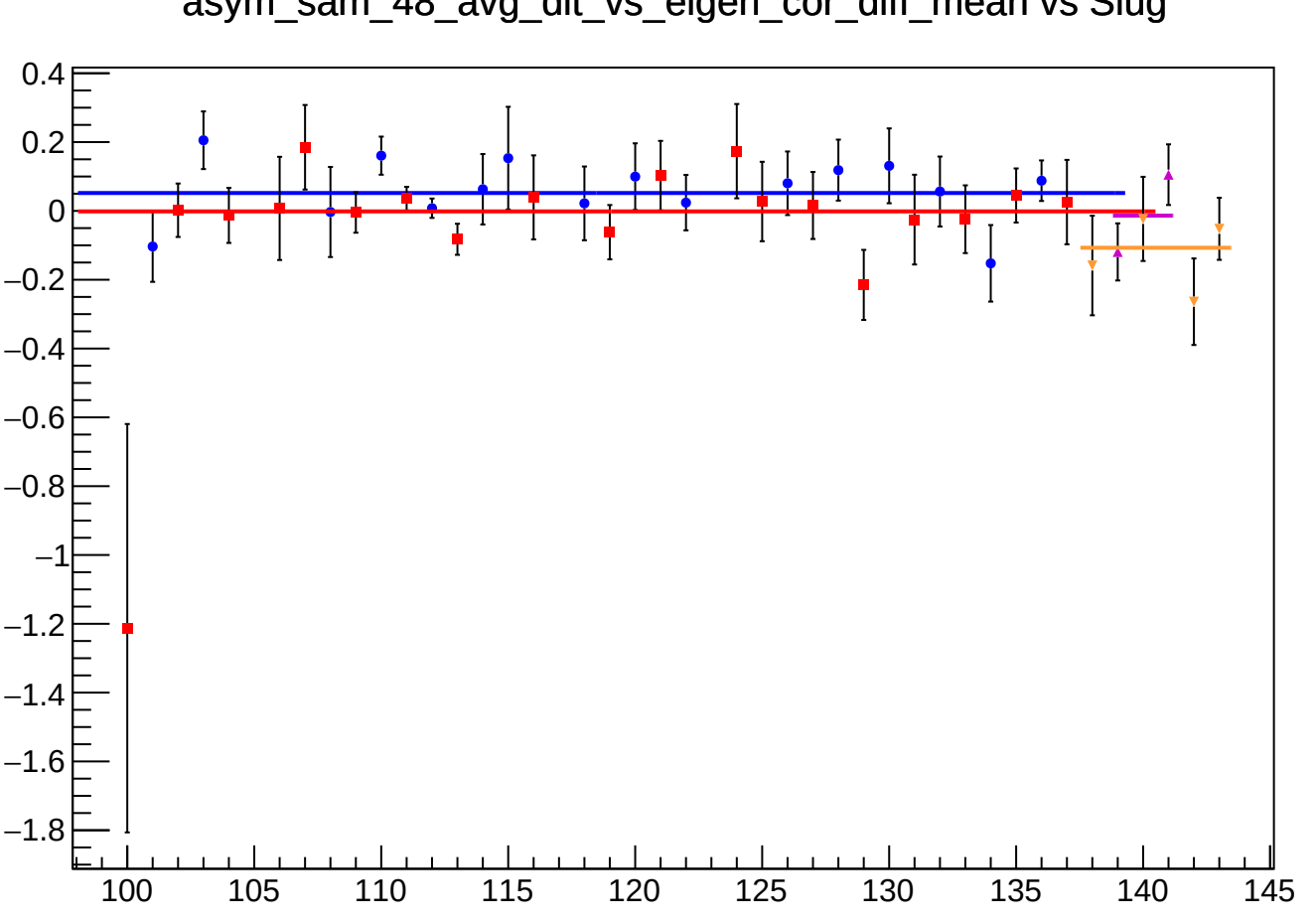
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 77.610+/-0.043 χ^2/NDF:7555.7/1

+ sign 45.678+/-0.012 χ^2/NDF: 4589382.9/19

All: 46.107+/-0.009 χ^2/NDF: 7222924.2/40

- sign 46.547+/-0.012 χ^2/NDF: 2630951.1/20



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

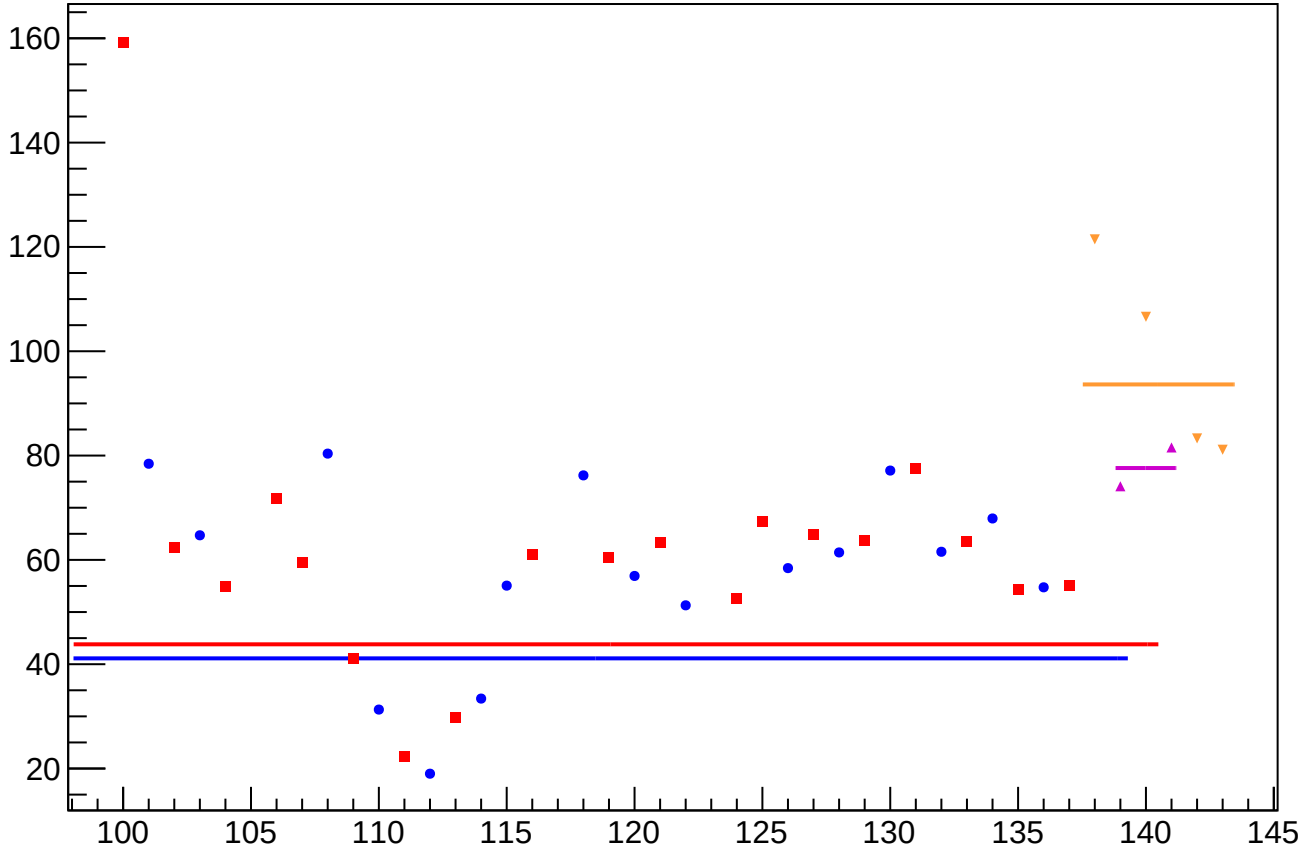
Left In: -0.014+/-0.060 χ^2/NDF:3.4/1

+ sign 0.038+/-0.017 χ^2/NDF: 27.5/19

All: 0.018+/-0.012 χ^2/NDF: 53.0/40

- sign -0.002+/-0.017 χ^2/NDF: 22.7/20

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: 93.638+/-0.041 χ^2/NDF:148470.7/3

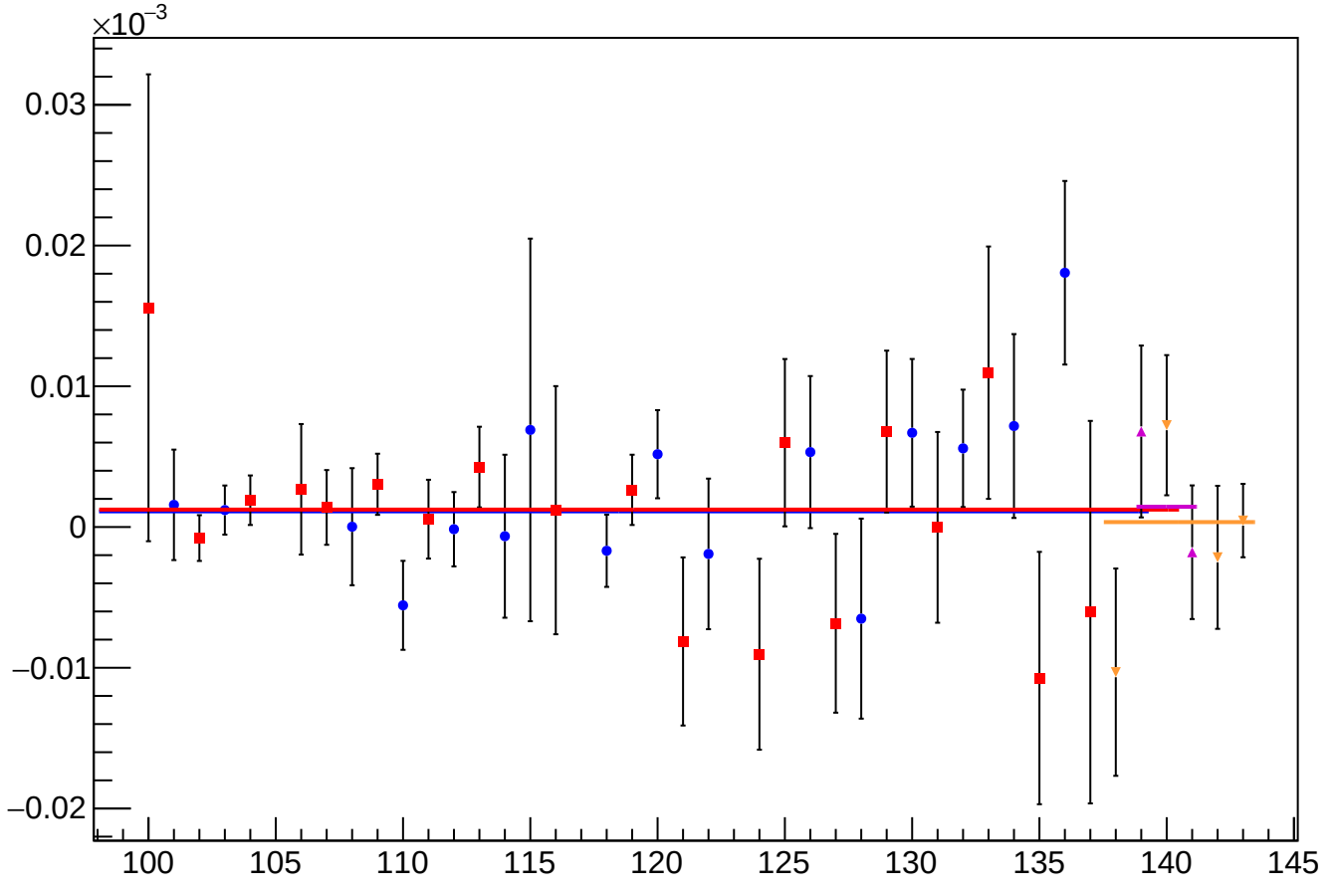
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 77.610+/-0.043 χ^2/NDF:7555.7/1

+ sign 45.678+/-0.012 χ^2/NDF: 4589382.9/19

All: 46.107+/-0.009 χ^2/NDF: 7222924.2/40

- sign 46.547+/-0.012 χ^2/NDF: 2630951.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/3

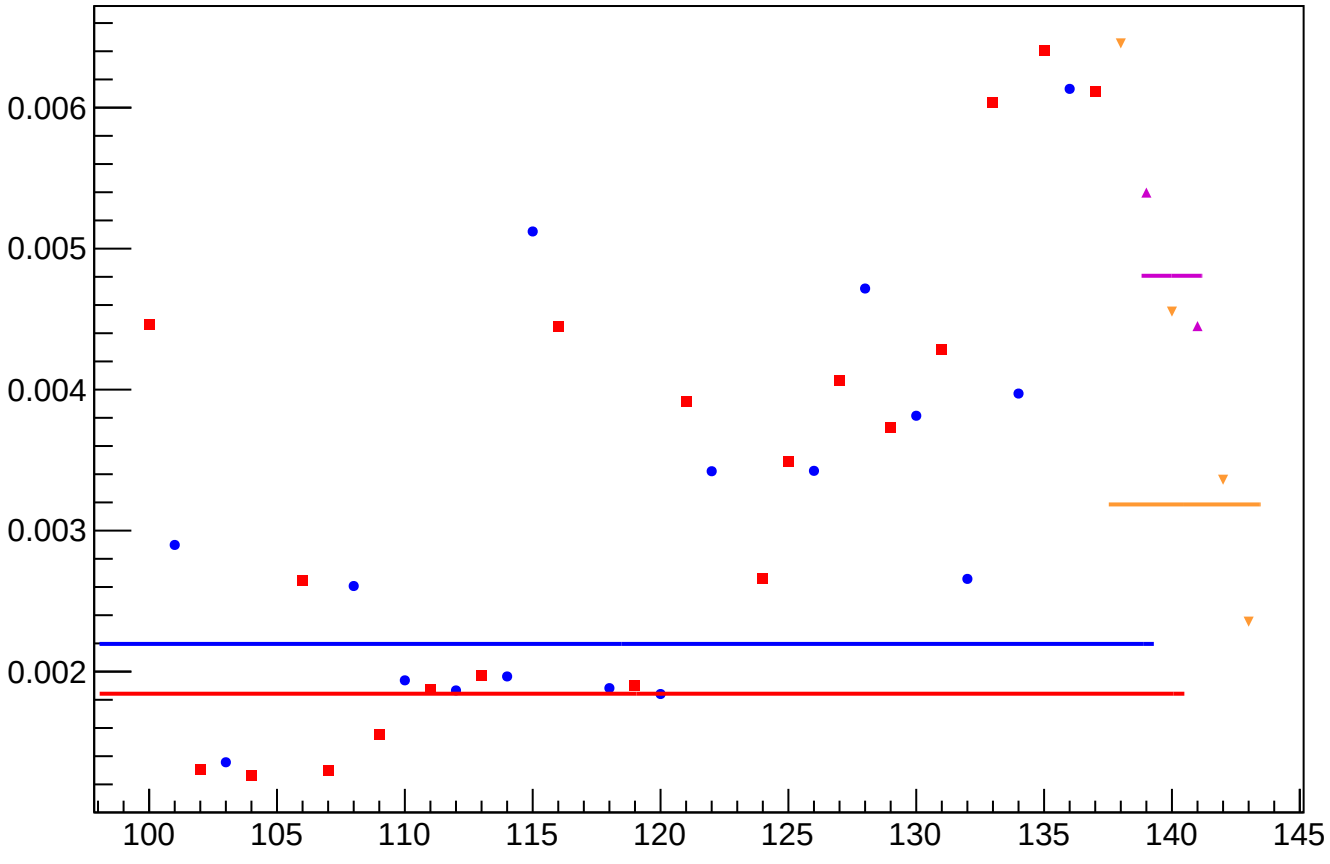
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 24.3/19

All: 0.000+/-0.000 χ^2/NDF: 41.5/40

- sign 0.000+/-0.000 χ^2/NDF: 17.2/20



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:750771.6/3

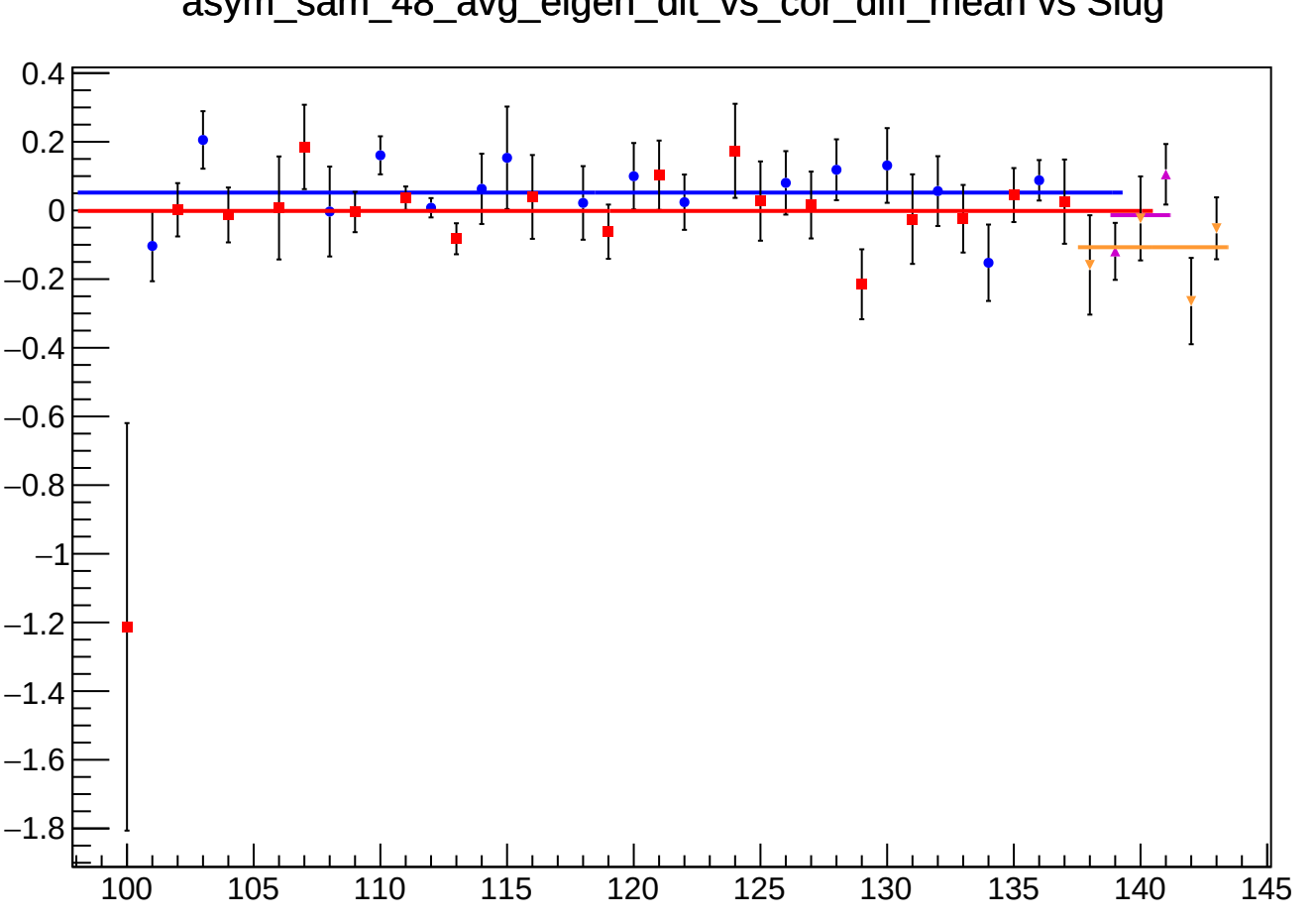
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.005+/-0.000 χ^2/NDF:29983.6/1

+ sign 0.002+/-0.000 χ^2/NDF: 3441890.4/19

All: 0.002+/-0.000 χ^2/NDF: 8068562.4/40

- sign 0.002+/-0.000 χ^2/NDF: 4368734.4/20



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

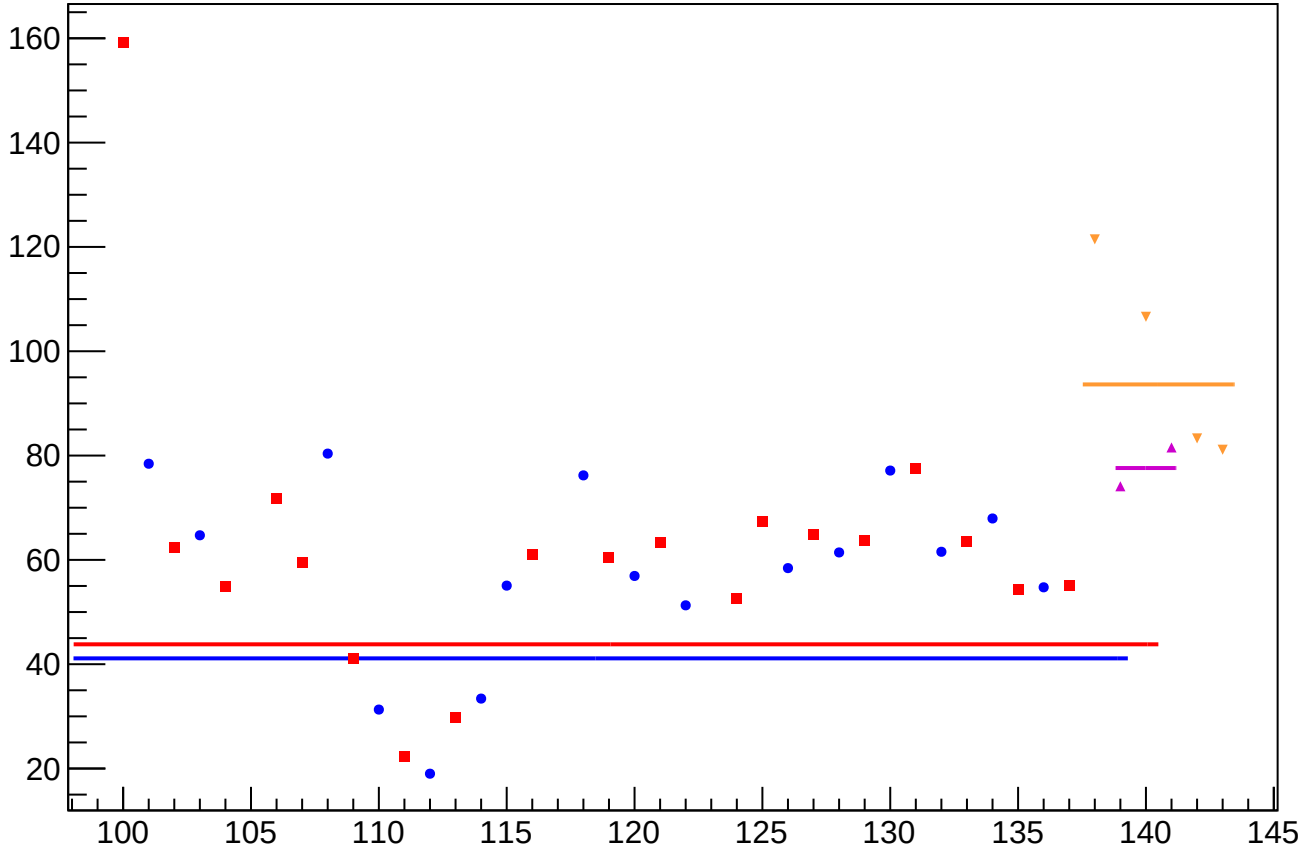
Left In: -0.014+/-0.060 χ^2/NDF:3.4/1

+ sign 0.038+/-0.017 χ^2/NDF: 27.5/19

All: 0.018+/-0.012 χ^2/NDF: 53.0/40

- sign -0.002+/-0.017 χ^2/NDF: 22.7/20

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: 93.639+/-0.041 χ^2/NDF:148459.6/3

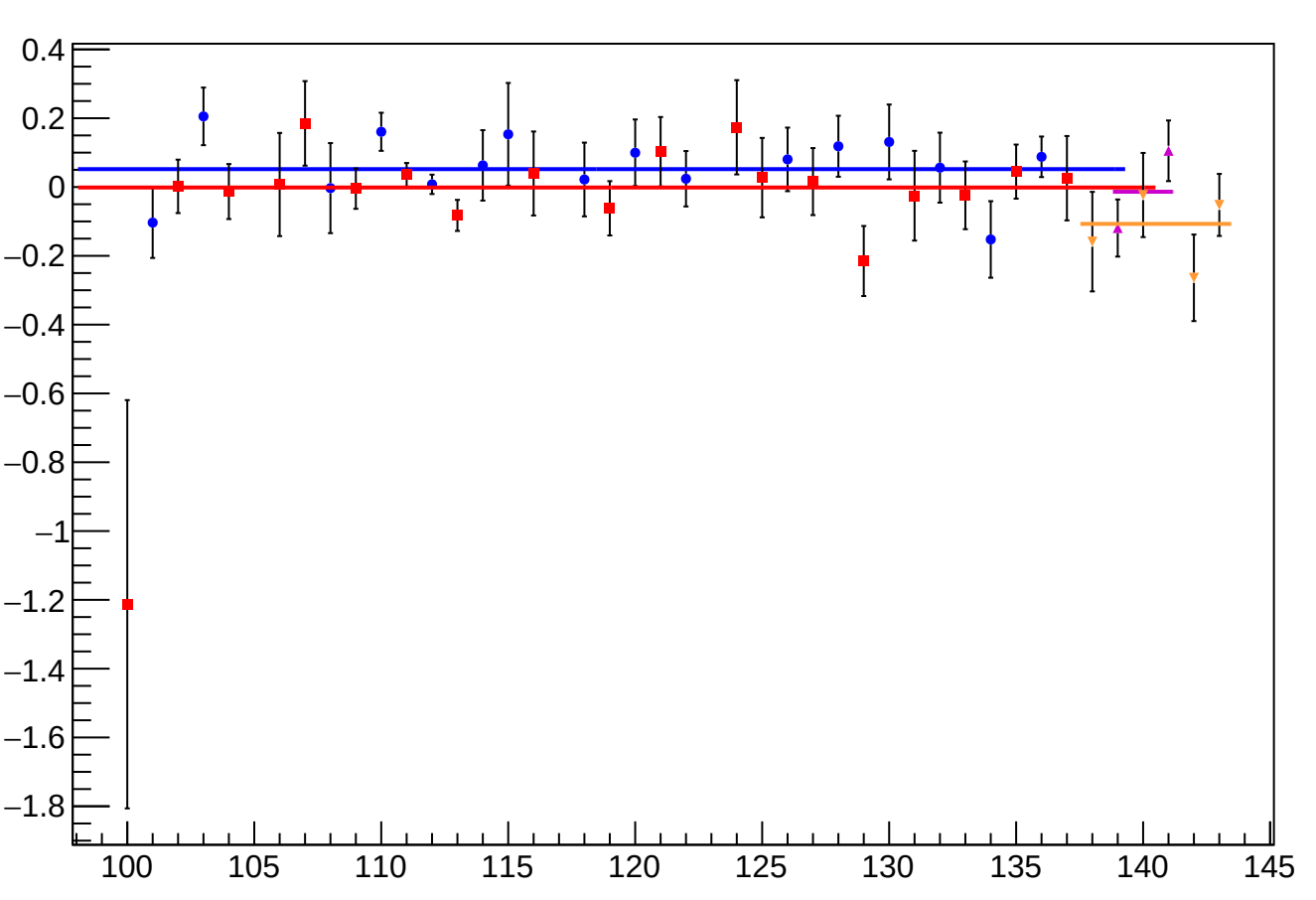
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 77.610+/-0.043 χ^2/NDF:7558.9/1

+ sign 45.677+/-0.012 χ^2/NDF: 4589609.4/19

All: 46.106+/-0.009 χ^2/NDF: 7223356.8/40

- sign 46.546+/-0.012 χ^2/NDF: 2631156.7/20



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

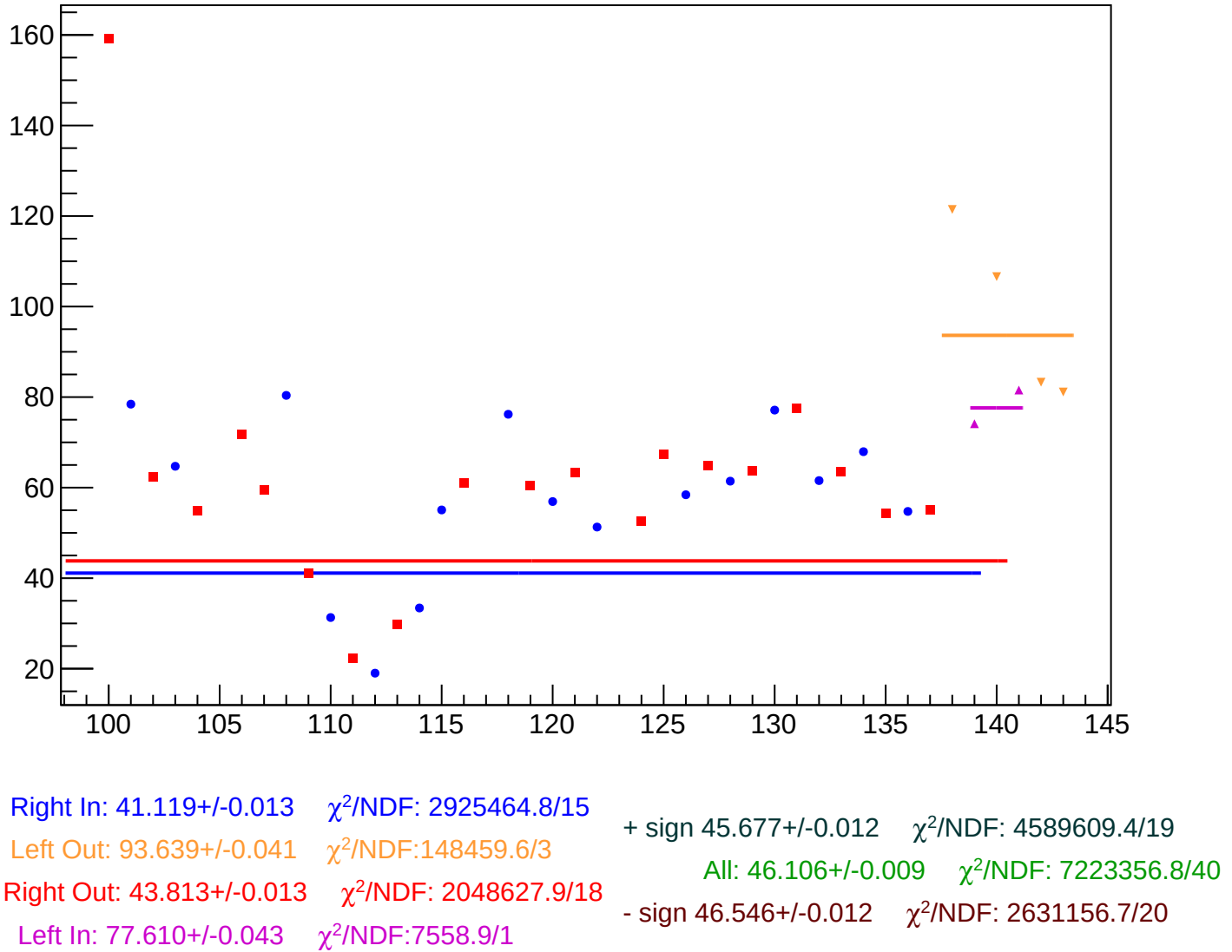
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.014+/-0.060 χ^2/NDF:3.4/1

+ sign 0.038+/-0.017 χ^2/NDF: 27.5/19

All: 0.018+/-0.012 χ^2/NDF: 53.0/40

- sign -0.002+/-0.017 χ^2/NDF: 22.7/20



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 93.639+/-0.041 χ^2/NDF:148459.6/3

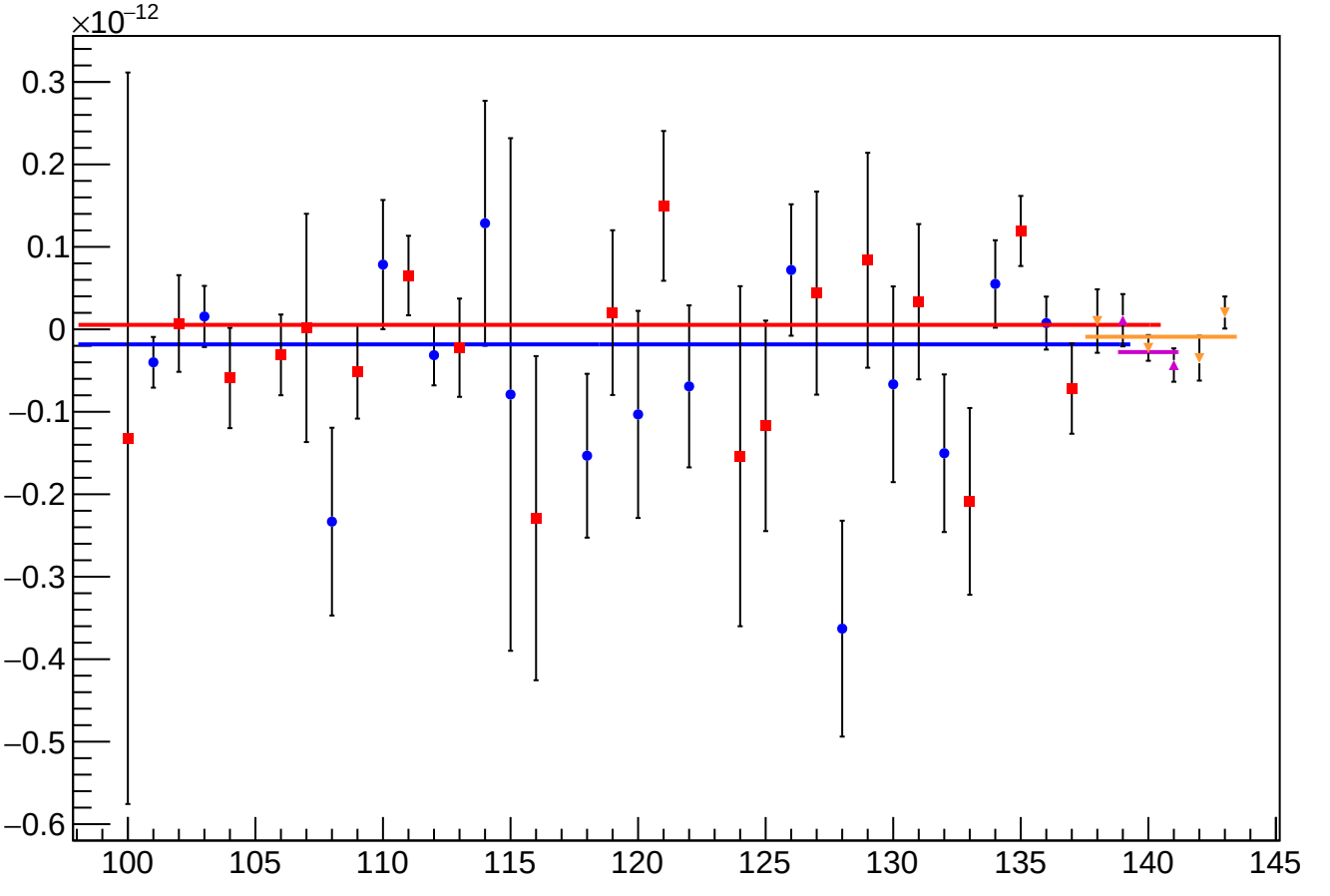
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 77.610+/-0.043 χ^2/NDF:7558.9/1

+ sign 45.677+/-0.012 χ^2/NDF: 4589609.4/19

All: 46.106+/-0.009 χ^2/NDF: 7223356.8/40

- sign 46.546+/-0.012 χ^2/NDF: 2631156.7/20



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/3

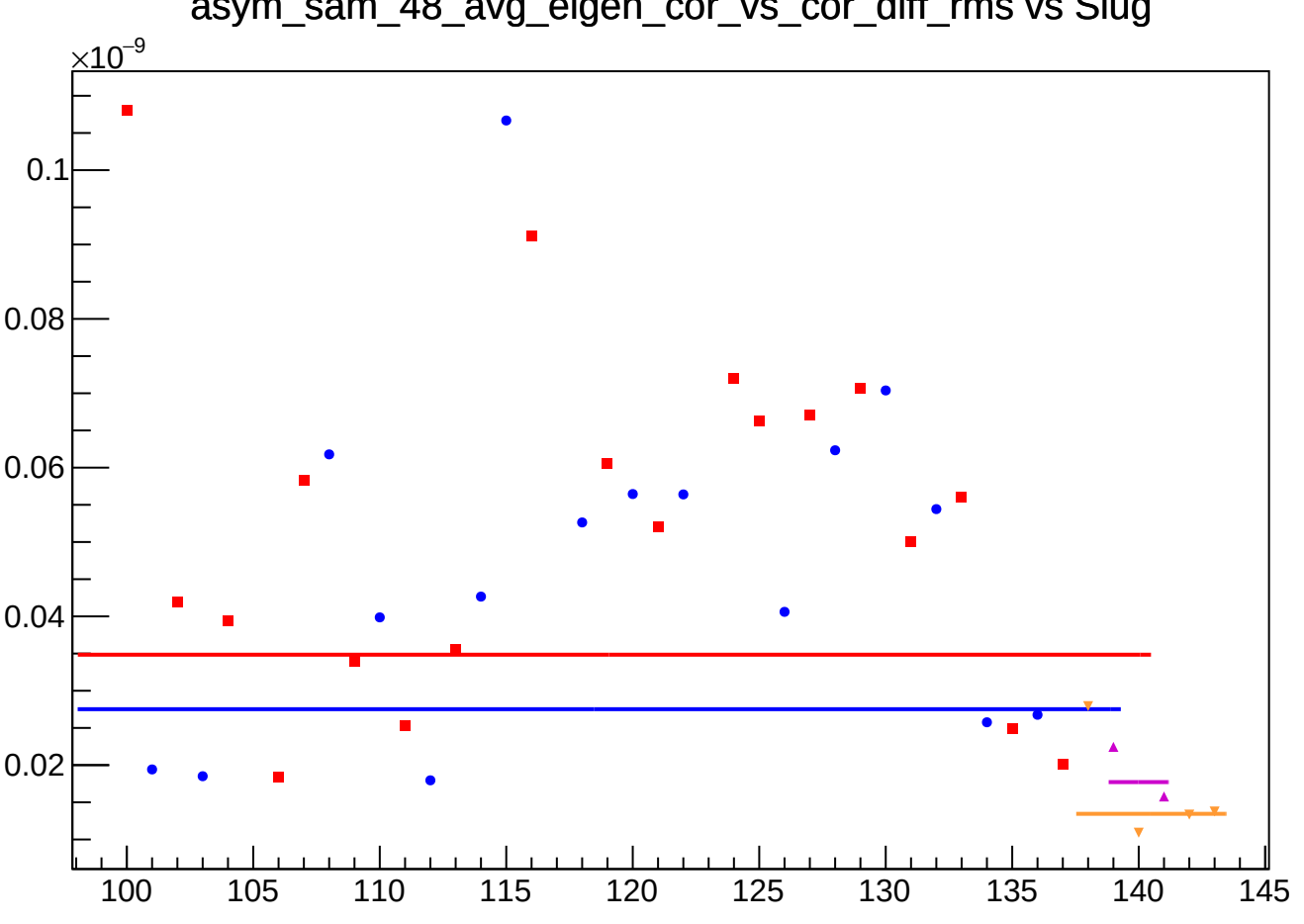
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/19

All: -0.000+/-0.000 χ^2/NDF: 54.8/40

- sign -0.000+/-0.000 χ^2/NDF: 27.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:336142.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

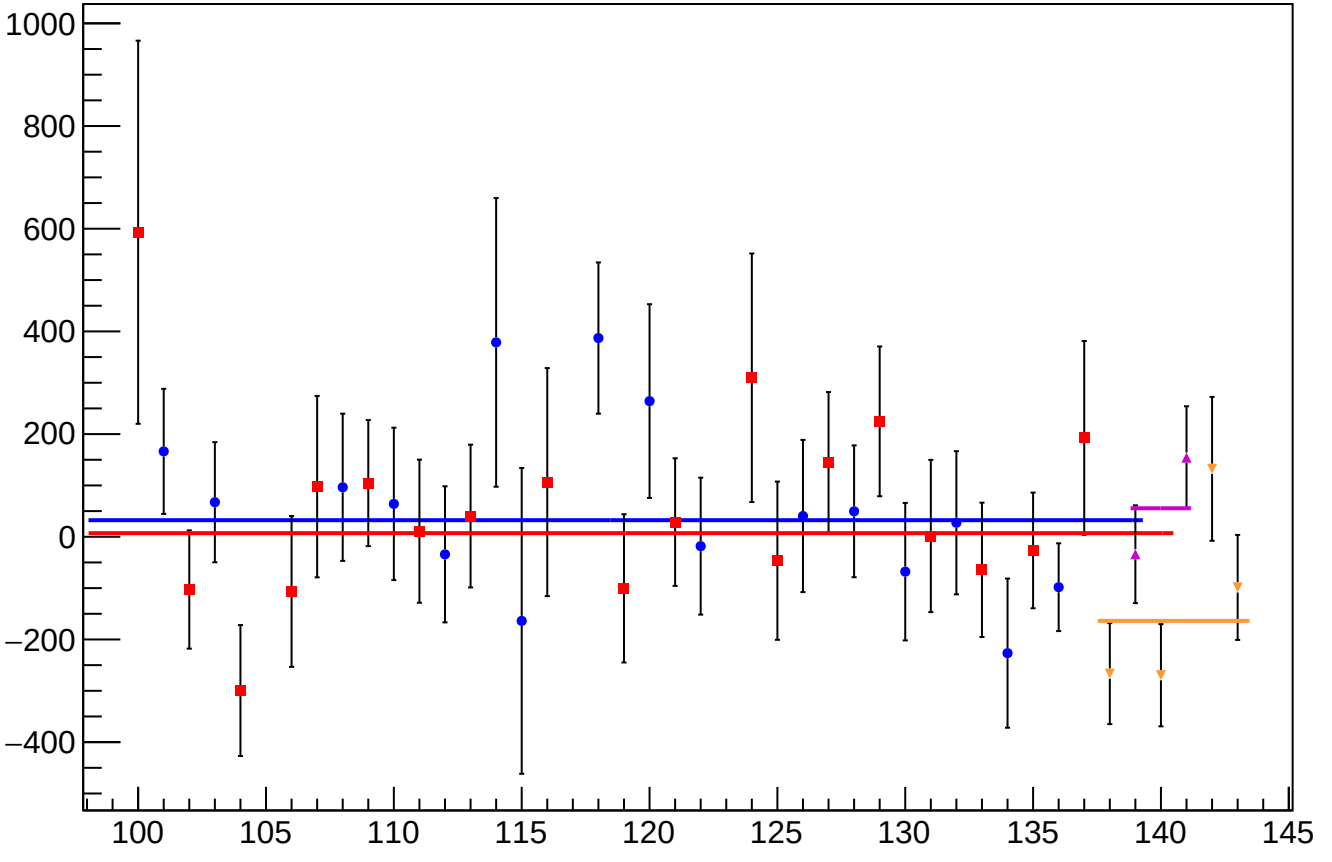
Left In: 0.000+/-0.000 χ^2/NDF:62883.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 3367651.8/19

All: 0.000+/-0.000 χ^2/NDF: 6735743.1/40

- sign 0.000+/-0.000 χ^2/NDF: 2768774.5/20

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.798+/-53.386 χ^2/NDF:7.1/3

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

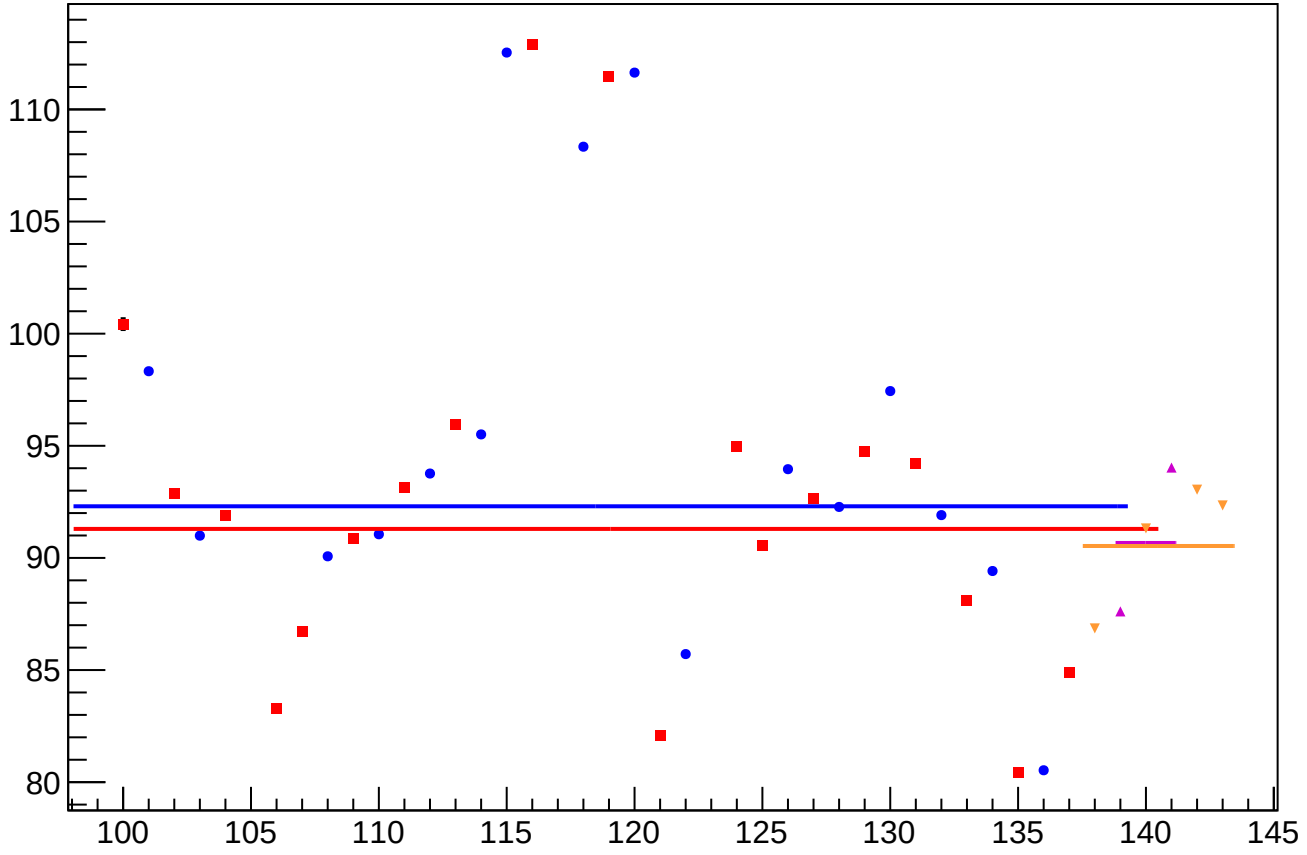
Left In: 55.523+/-68.969 χ^2/NDF:1.9/1

+ sign -25.303+/-28.934 χ^2/NDF: 33.9/19

All: -5.313+/-20.851 χ^2/NDF: 54.9/40

- sign 16.284+/-30.075 χ^2/NDF: 20.0/20

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

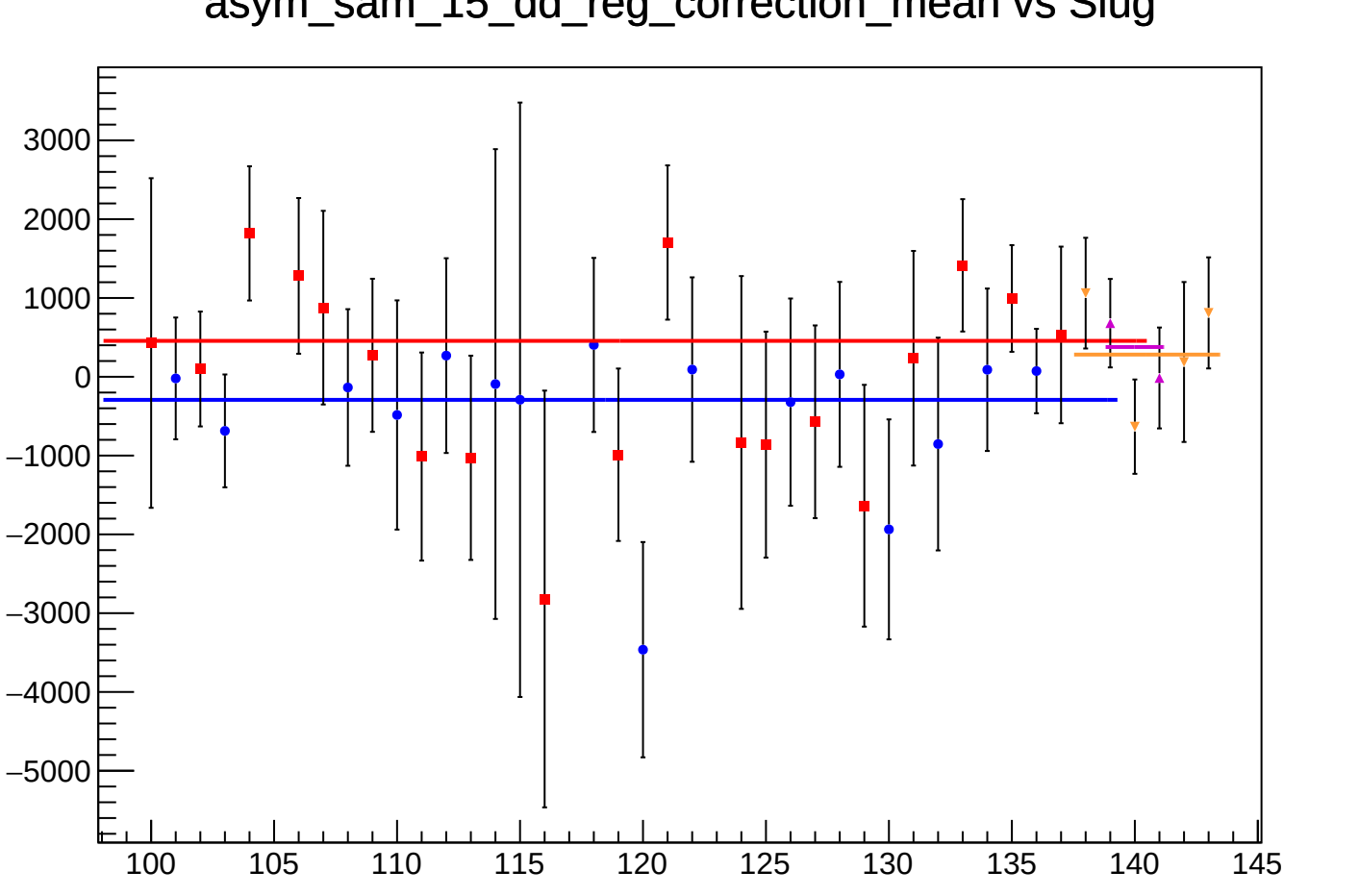
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

+ sign 91.782+/-0.020 χ^2/NDF: 112802.5/19

All: 91.490+/-0.015 χ^2/NDF: 222770.8/40

- sign 91.174+/-0.021 χ^2/NDF: 109543.9/20



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.729+/-358.012 χ^2/NDF:4.1/3

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

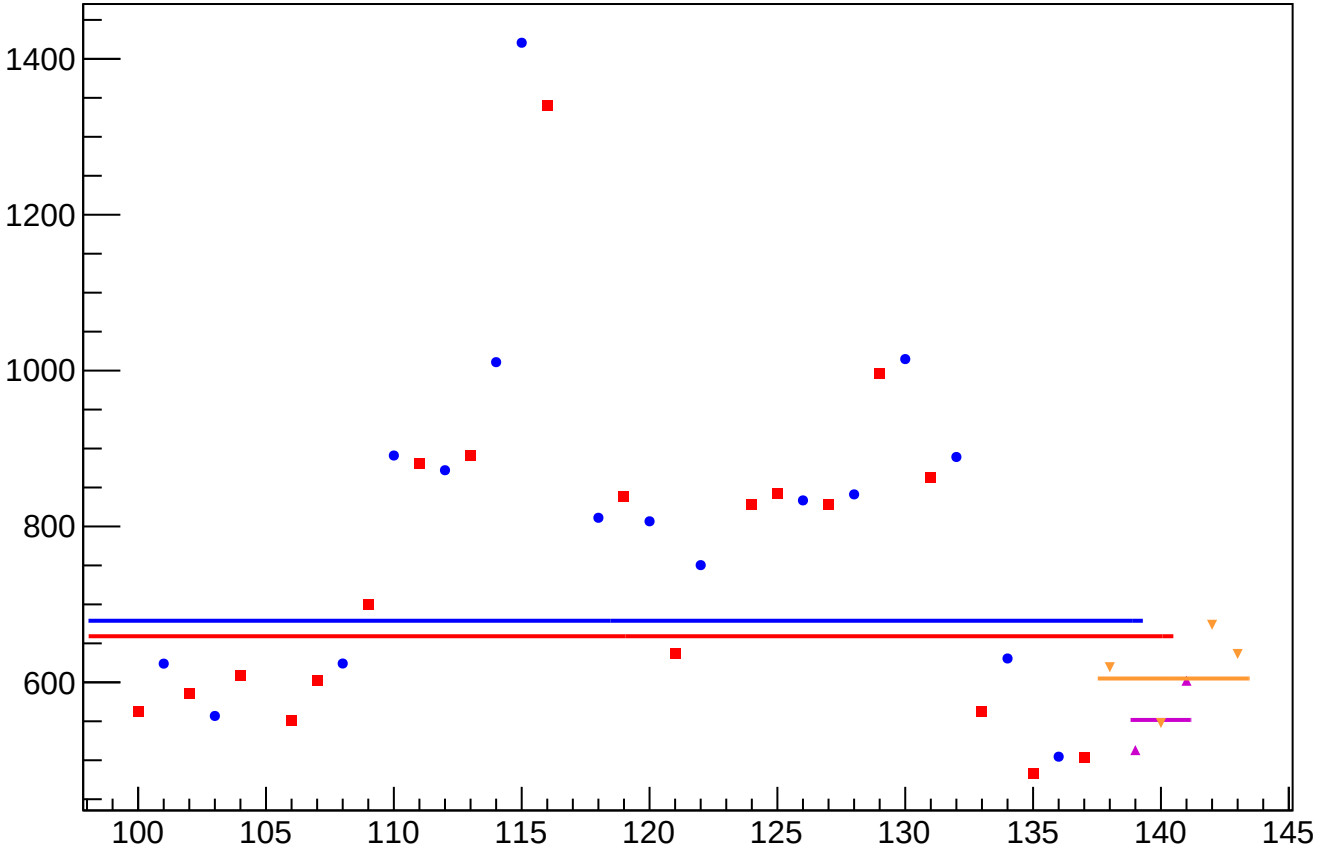
Left In: 377.944+/-422.177 χ^2/NDF:0.7/1

\+ sign -94.695+/-210.212 χ^2/NDF: 14.6/19

All: 165.435+/-150.065 χ^2/NDF: 35.3/40

\- sign 435.763+/-214.294 χ^2/NDF: 17.5/20

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.5/3

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

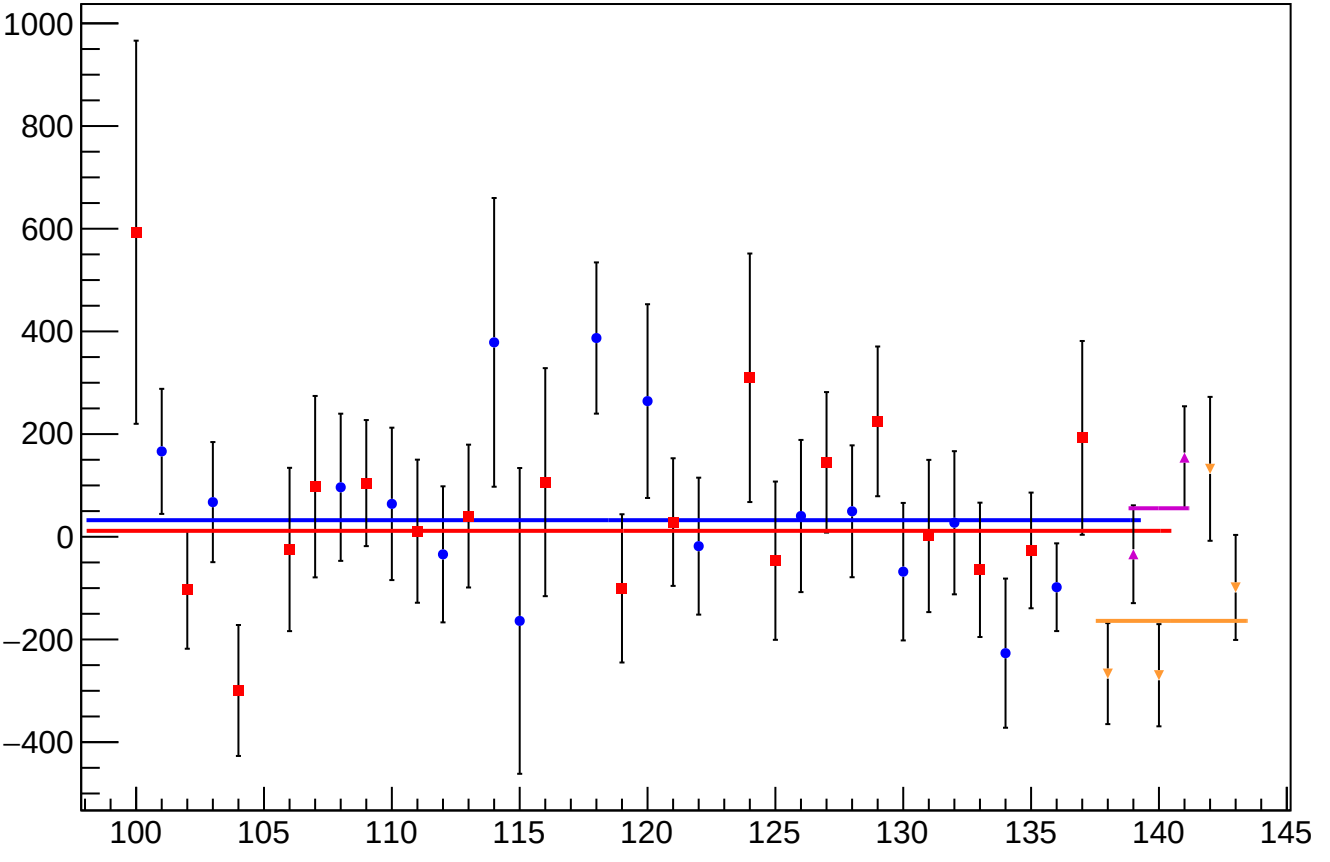
Left In: 551.739+/-0.299 χ^2/NDF:21856.8/1

+ sign 653.453+/-0.149 χ^2/NDF: 856409.7/19

All: 642.670+/-0.106 χ^2/NDF: 1780953.0/40

- sign 631.463+/-0.152 χ^2/NDF: 913810.5/20

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.796+/-53.386 χ^2/NDF:7.1/3

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

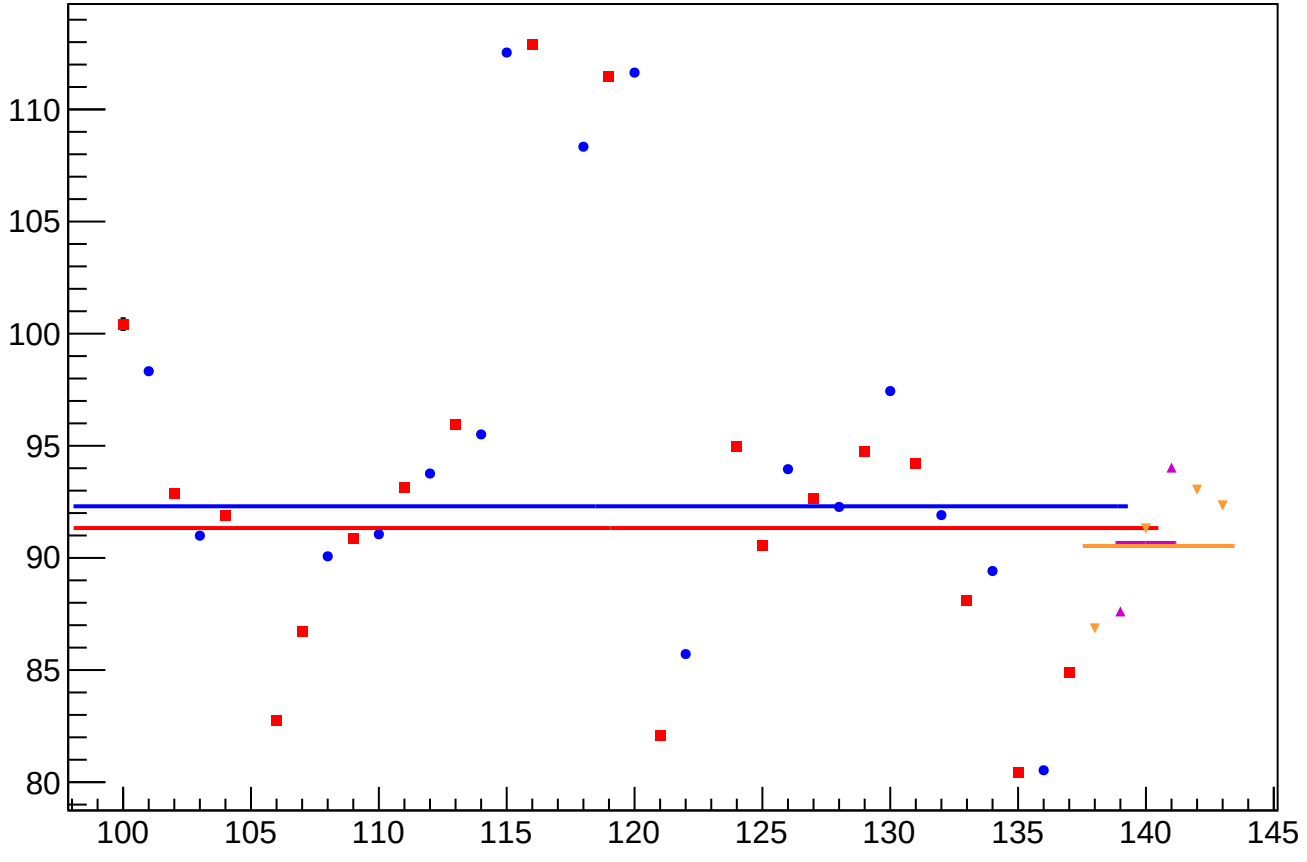
Left In: 55.526+/-68.969 χ^2/NDF:1.9/1

+ sign -25.292+/-28.934 χ^2/NDF: 33.9/19

All: -3.599+/-20.882 χ^2/NDF: 54.5/40

- sign 19.985+/-30.169 χ^2/NDF: 19.4/20

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

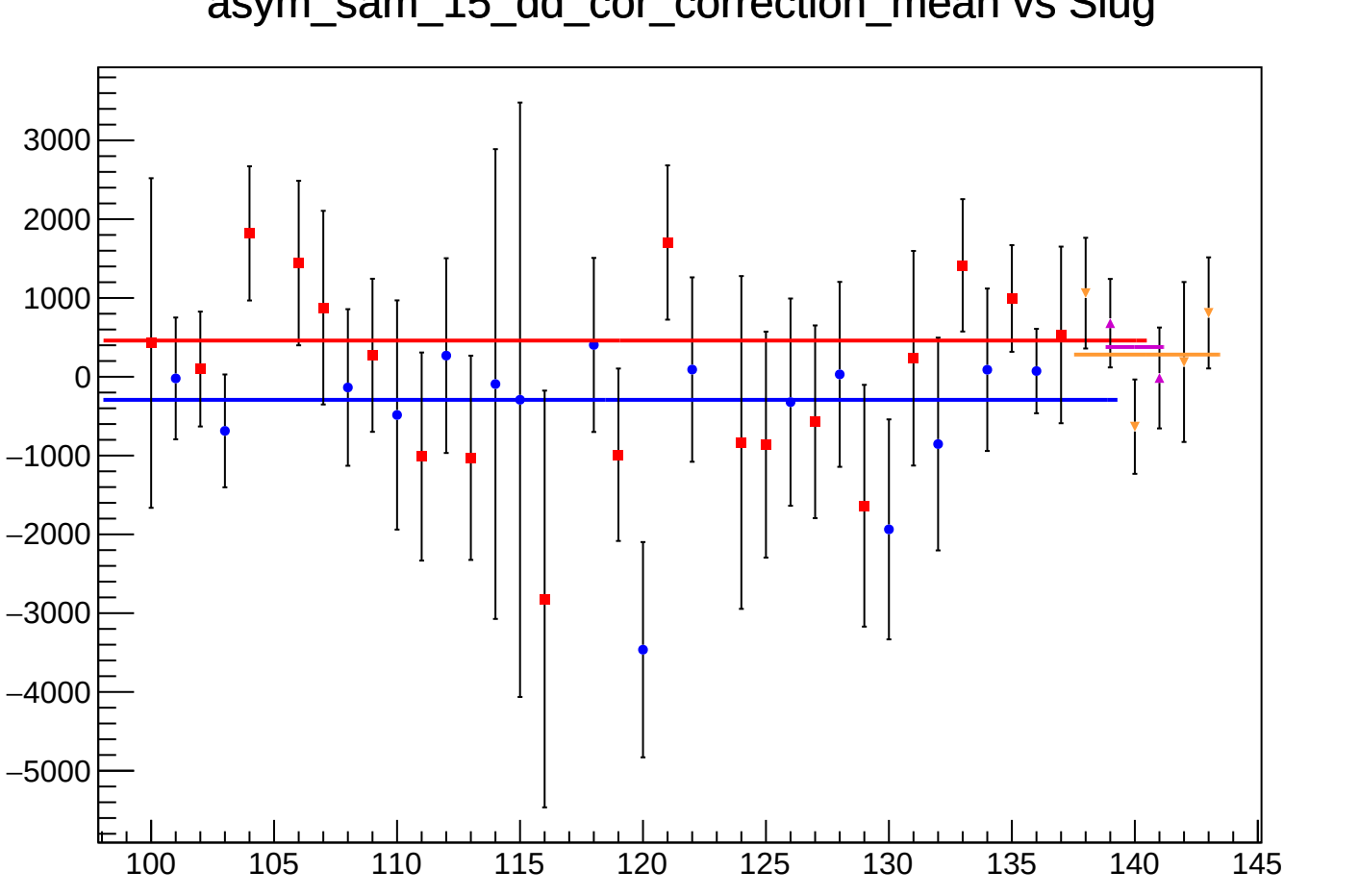
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

+ sign 91.782+/-0.020 χ^2/NDF: 112802.5/19

All: 91.506+/-0.015 χ^2/NDF: 222566.7/40

- sign 91.205+/-0.021 χ^2/NDF: 109382.2/20



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.726+/-358.012 χ^2/NDF:4.1/3

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

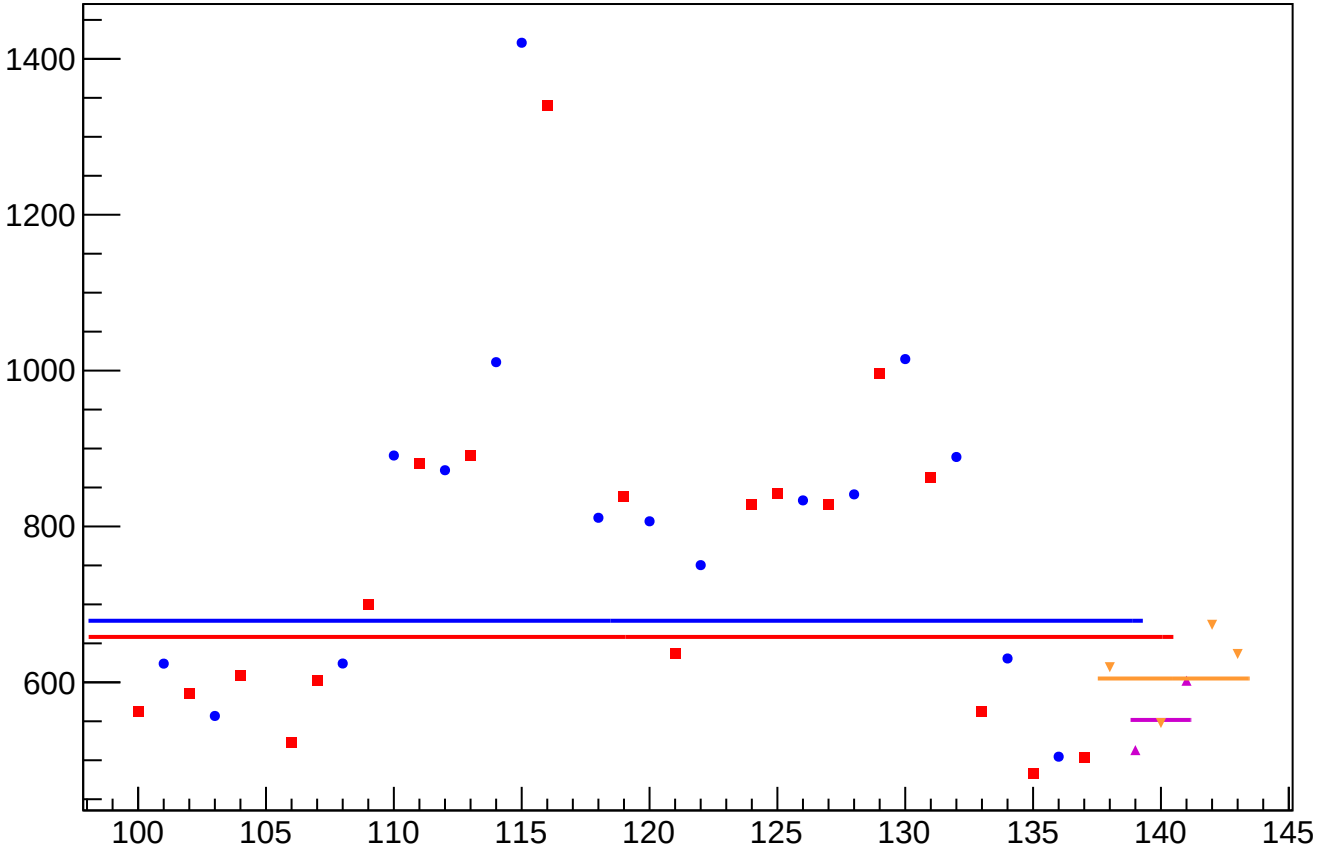
Left In: 377.941+/-422.177 χ^2/NDF:0.7/1

\+ sign -94.694+/-210.212 χ^2/NDF: 14.6/19

All: 166.099+/-150.246 χ^2/NDF: 35.5/40

\- sign 438.453+/-214.821 χ^2/NDF: 17.7/20

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.6/3

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

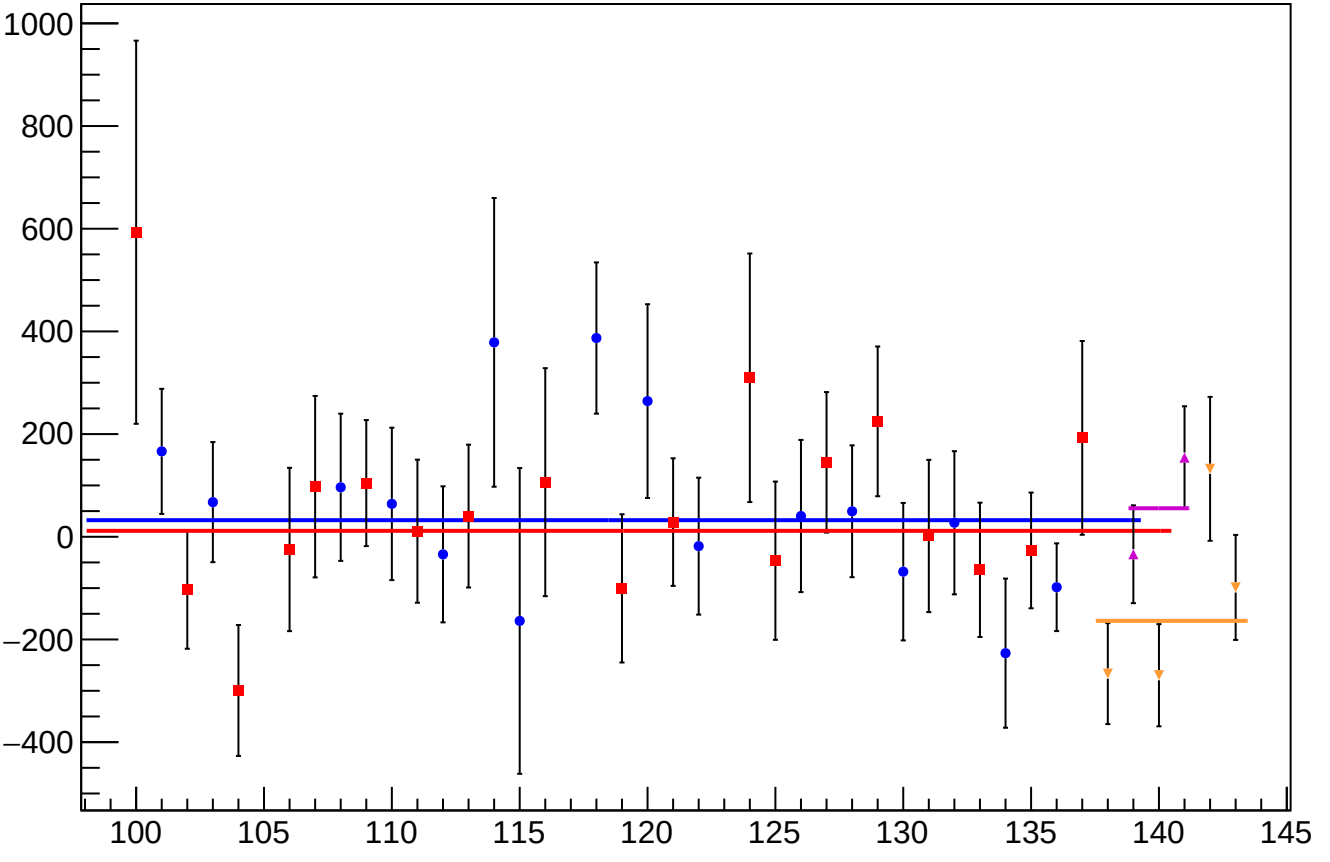
Left In: 551.739+/-0.299 χ^2/NDF:21856.7/1

+ sign 653.453+/-0.149 χ^2/NDF: 856411.6/19

All: 642.314+/-0.106 χ^2/NDF: 1790008.8/40

- sign 630.681+/-0.152 χ^2/NDF: 922116.3/20

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.796+/-53.386 χ^2/NDF:7.1/3

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

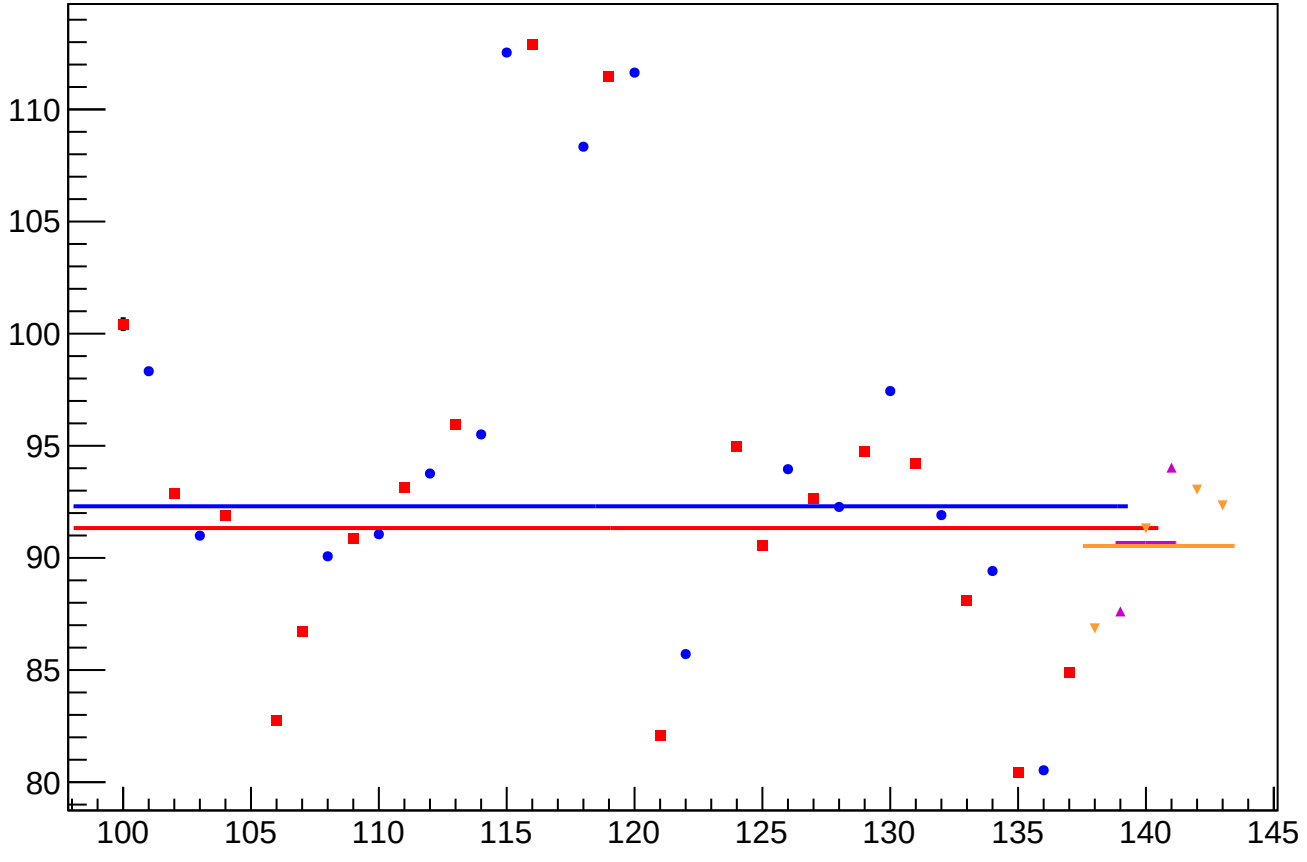
Left In: 55.526+/-68.969 χ^2/NDF:1.9/1

\+ sign -25.292+/-28.934 χ^2/NDF: 33.9/19

All: -3.599+/-20.882 χ^2/NDF: 54.5/40

\- sign 19.985+/-30.169 χ^2/NDF: 19.4/20

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

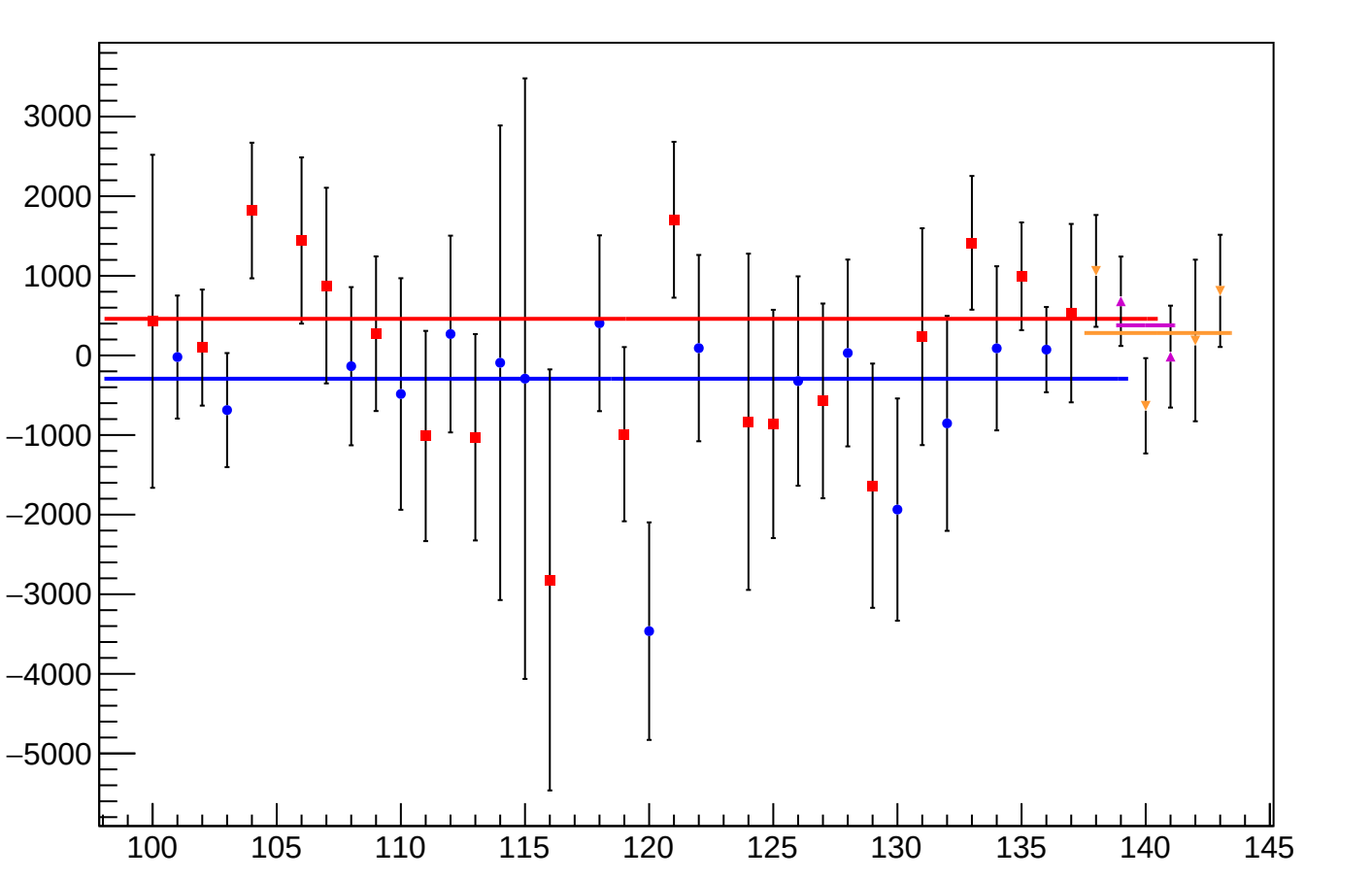
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

+ sign 91.782+/-0.020 χ^2/NDF: 112802.5/19

All: 91.506+/-0.015 χ^2/NDF: 222566.7/40

- sign 91.205+/-0.021 χ^2/NDF: 109382.2/20



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.726+/-358.012 χ^2/NDF:4.1/3

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

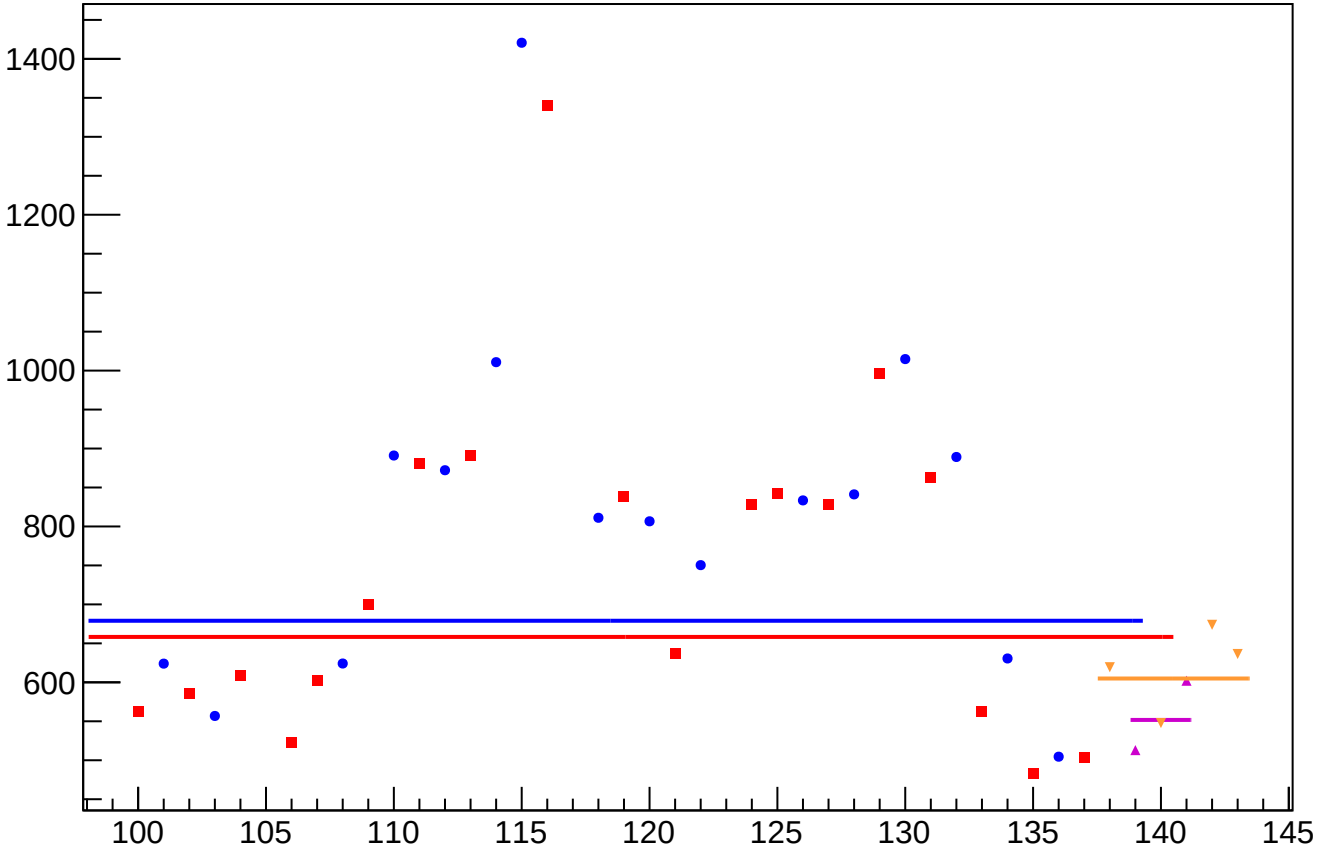
Left In: 377.941+/-422.177 χ^2/NDF:0.7/1

\+ sign -94.694+/-210.212 χ^2/NDF: 14.6/19

All: 166.099+/-150.246 χ^2/NDF: 35.5/40

\- sign 438.453+/-214.821 χ^2/NDF: 17.7/20

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.6/3

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

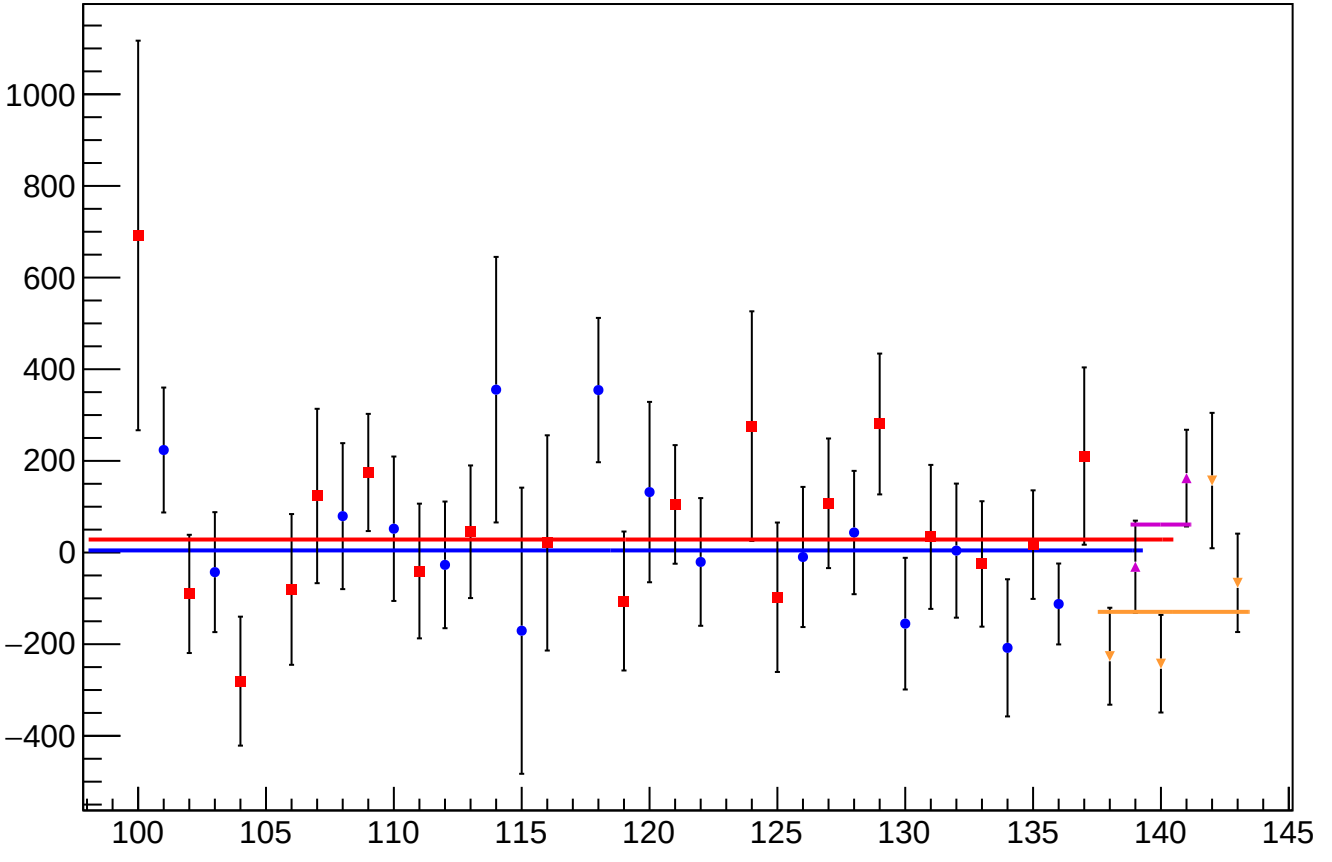
Left In: 551.739+/-0.299 χ^2/NDF:21856.7/1

+ sign 653.453+/-0.149 χ^2/NDF: 856411.6/19

All: 642.314+/-0.106 χ^2/NDF: 1790008.8/40

- sign 630.681+/-0.152 χ^2/NDF: 922116.3/20

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -129.432+/-56.792 χ^2/NDF:6.1/3

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

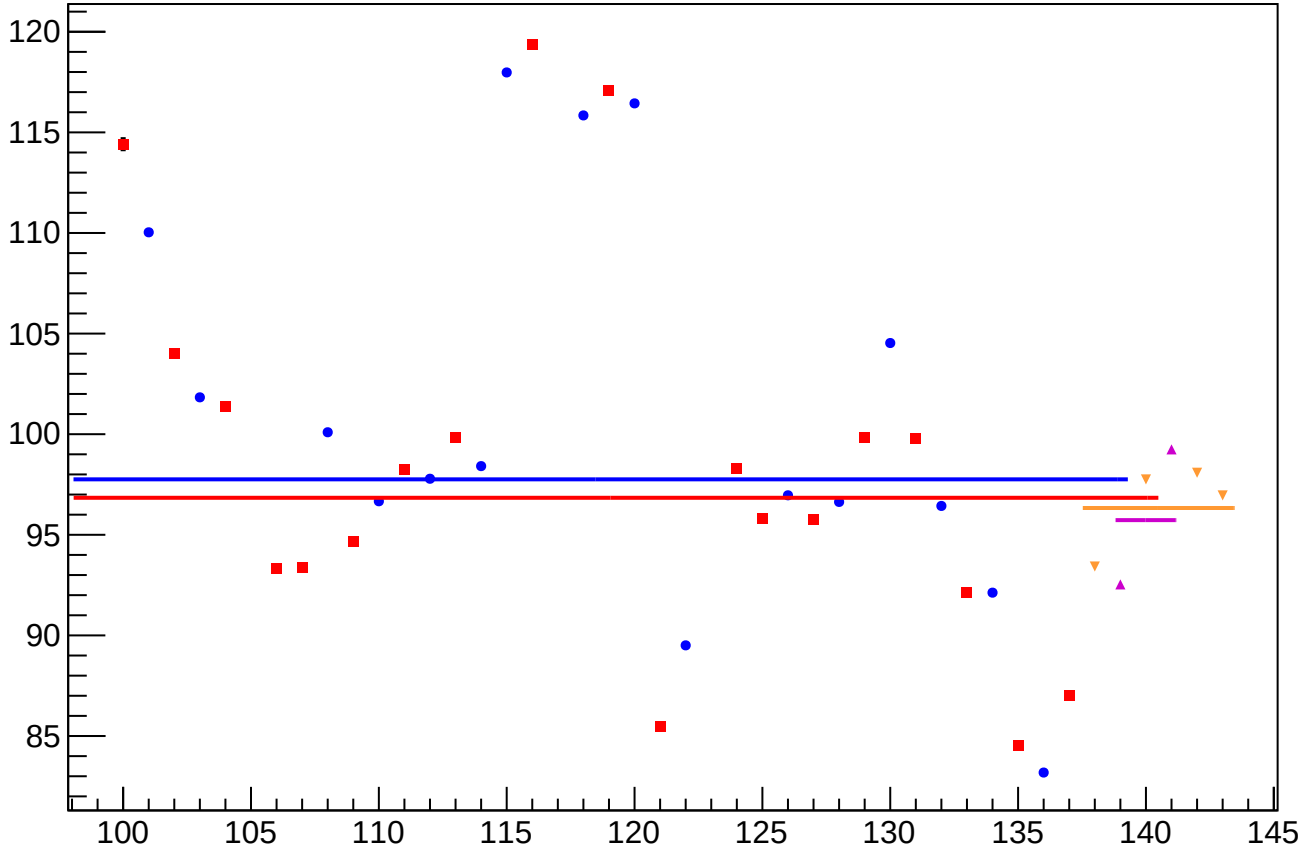
Left In: 61.067+/-72.818 χ^2/NDF:1.8/1

+ sign -34.580+/-30.711 χ^2/NDF: 25.4/19

All: -1.253+/-22.119 χ^2/NDF: 46.8/40

- sign 34.669+/-31.884 χ^2/NDF: 19.0/20

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 96.332+/-0.040 χ^2/NDF:2216.0/3

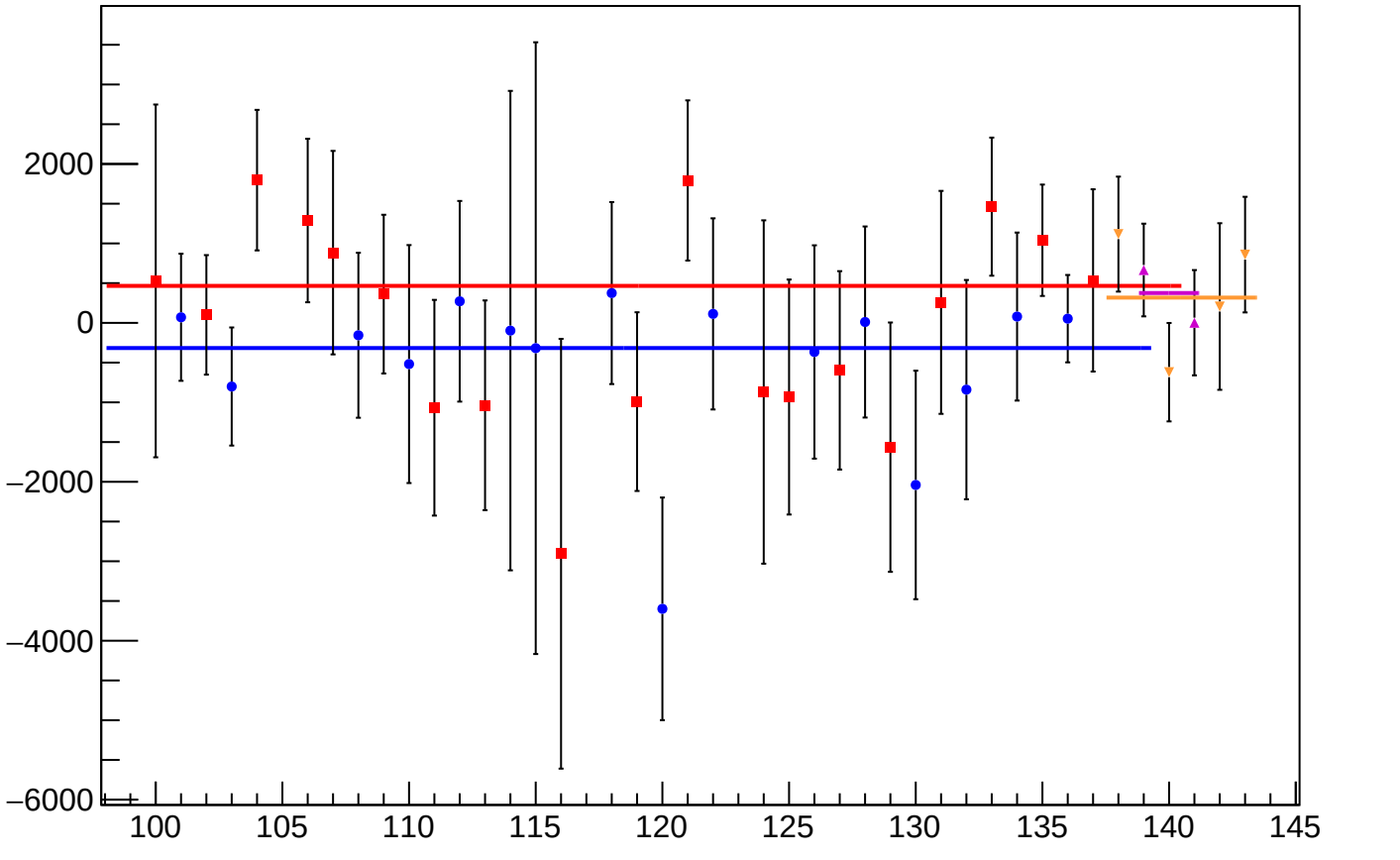
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 95.729+/-0.051 χ^2/NDF:4236.5/1

+ sign 97.340+/-0.022 χ^2/NDF: 143760.0/19

All: 96.997+/-0.016 χ^2/NDF: 264061.9/40

- sign 96.627+/-0.023 χ^2/NDF: 119783.4/20



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 318.035+/-369.702 χ^2/NDF:4.1/3

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

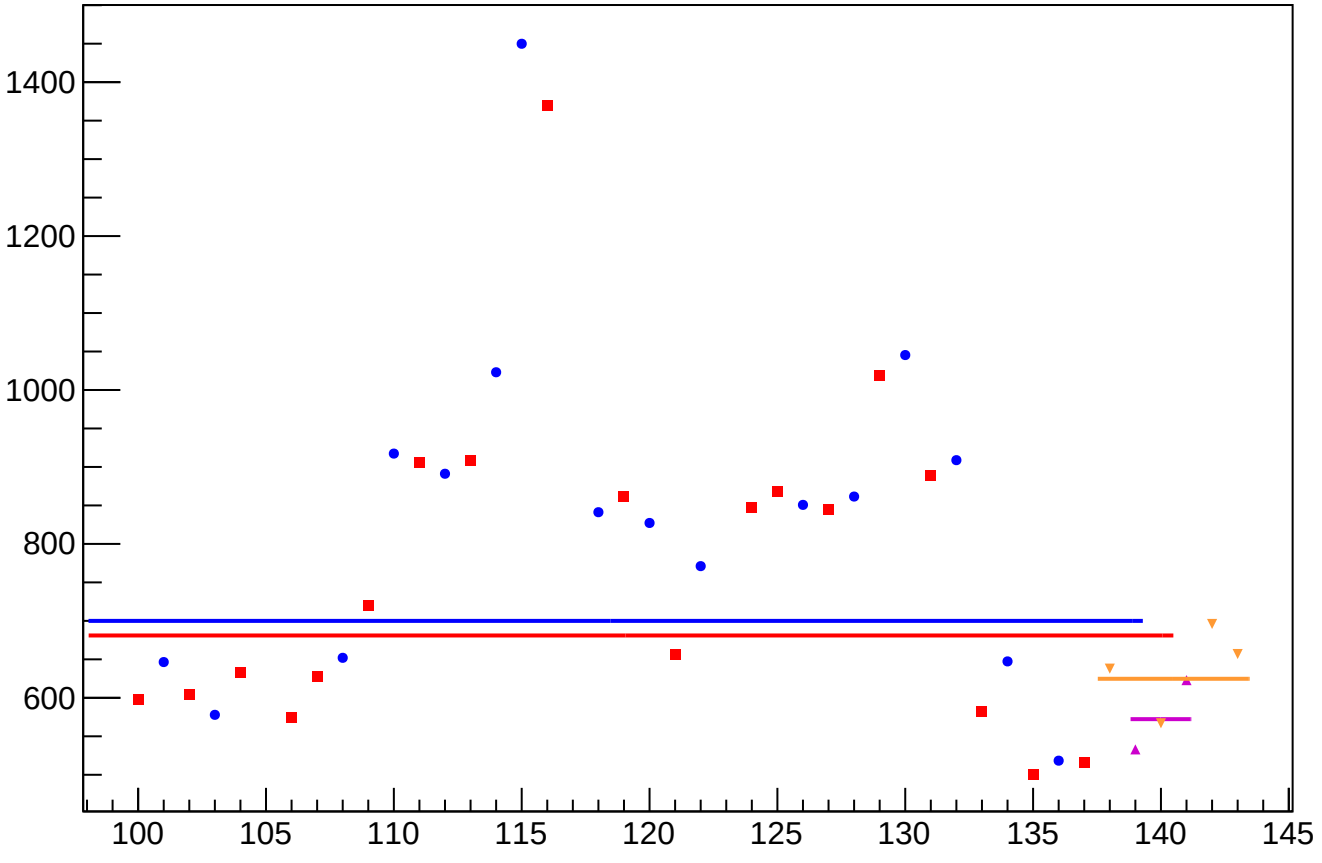
Left In: 375.742+/-437.774 χ^2/NDF:0.6/1

+ sign -98.485+/-216.728 χ^2/NDF: 15.2/19

All: 166.282+/-154.876 χ^2/NDF: 35.3/40

- sign 442.598+/-221.403 χ^2/NDF: 17.1/20

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 624.746+/-0.261 χ^2/NDF:31233.5/3

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

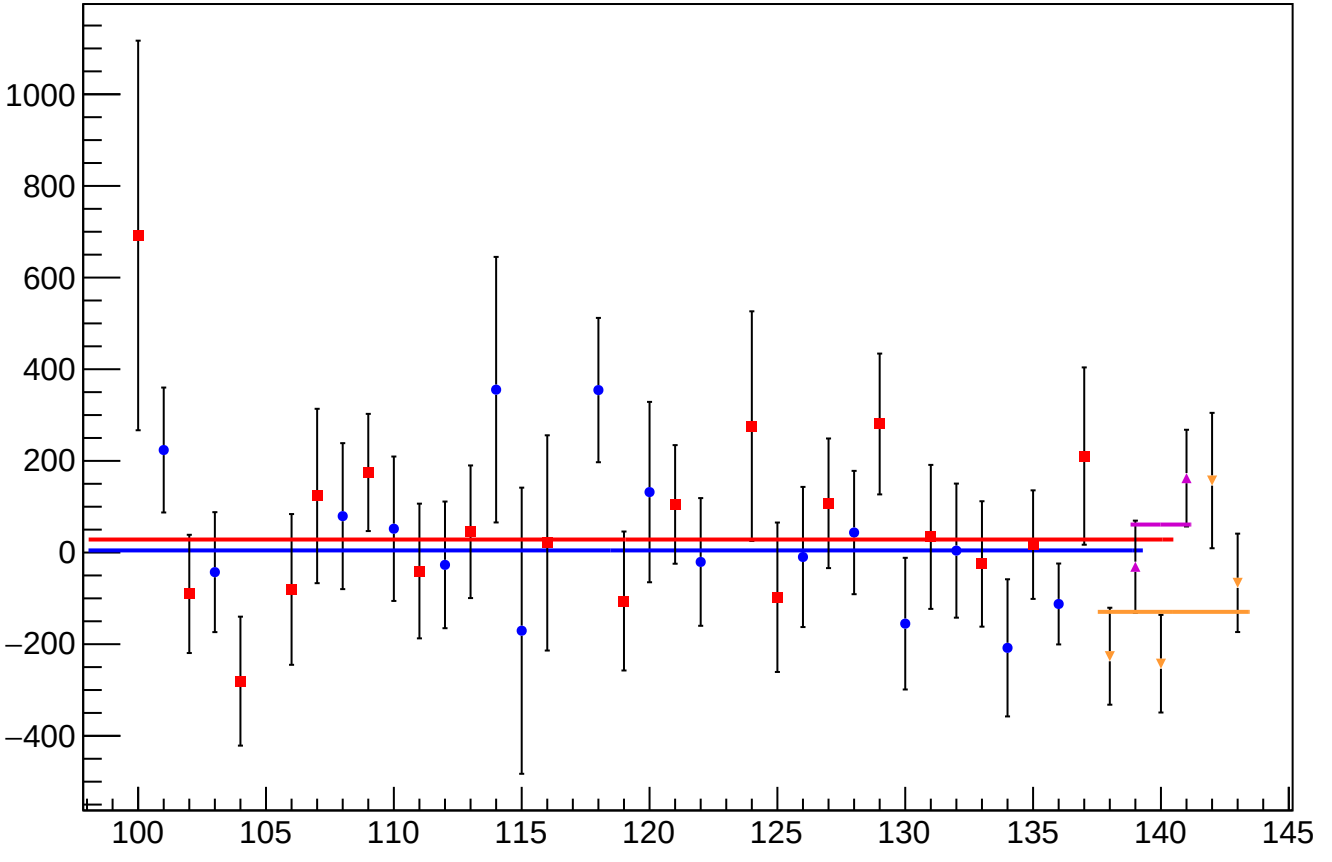
Left In: 572.296+/-0.310 χ^2/NDF:20780.0/1

+ sign 674.121+/-0.153 χ^2/NDF: 839249.3/19

All: 663.887+/-0.110 χ^2/NDF: 1730341.3/40

- sign 653.208+/-0.157 χ^2/NDF: 881979.6/20

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -129.432+/-56.792 χ^2/NDF:6.1/3

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

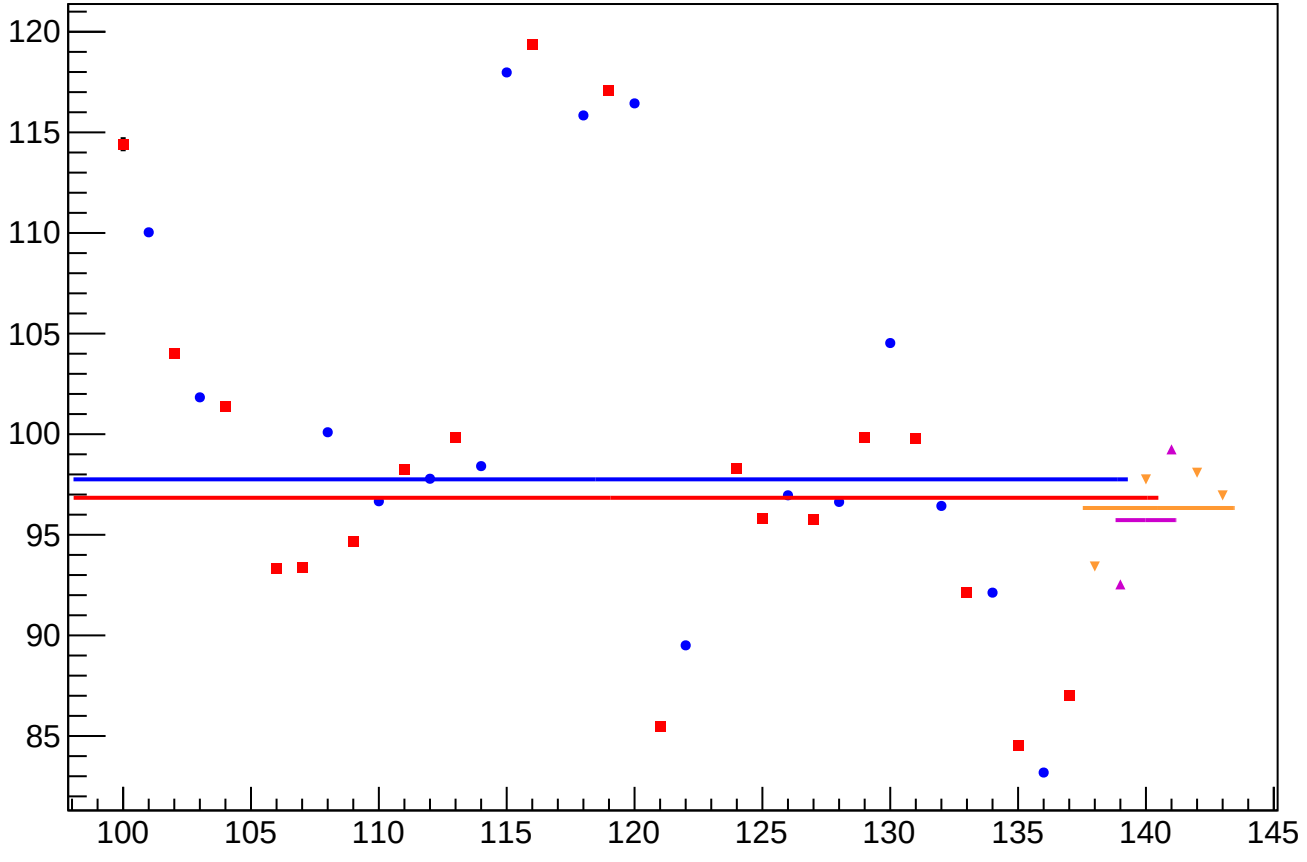
Left In: 61.067+/-72.818 χ^2/NDF:1.8/1

+ sign -34.579+/-30.711 χ^2/NDF: 25.4/19

All: -1.253+/-22.119 χ^2/NDF: 46.8/40

- sign 34.669+/-31.884 χ^2/NDF: 19.0/20

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 96.332+/-0.040 χ^2/NDF:2215.6/3

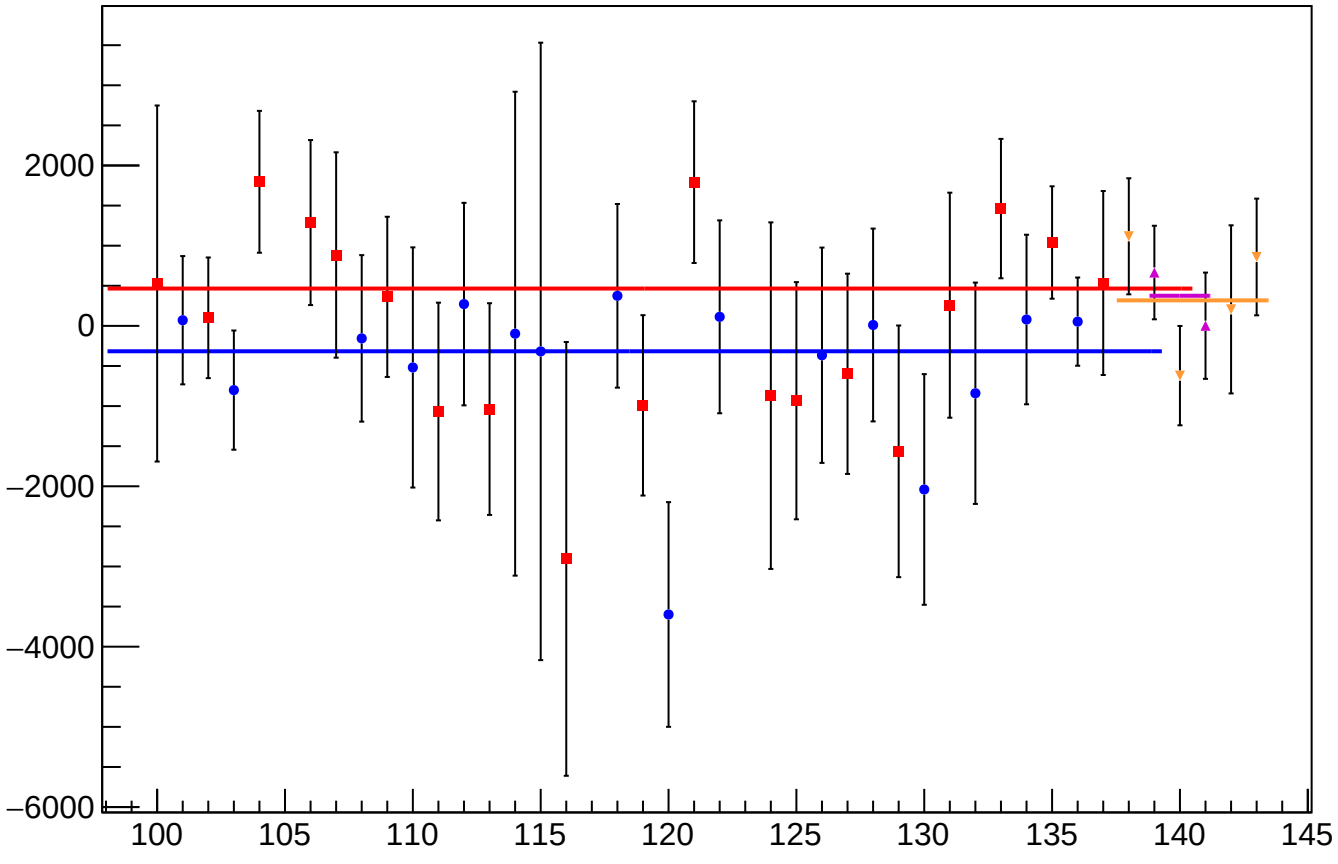
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 95.730+/-0.051 χ^2/NDF:4236.5/1

\+ sign 97.339+/-0.022 χ^2/NDF: 143759.4/19

All: 96.996+/-0.016 χ^2/NDF: 264063.2/40

\- sign 96.627+/-0.023 χ^2/NDF: 119785.2/20



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 318.035+/-369.703 χ^2/NDF:4.1/3

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

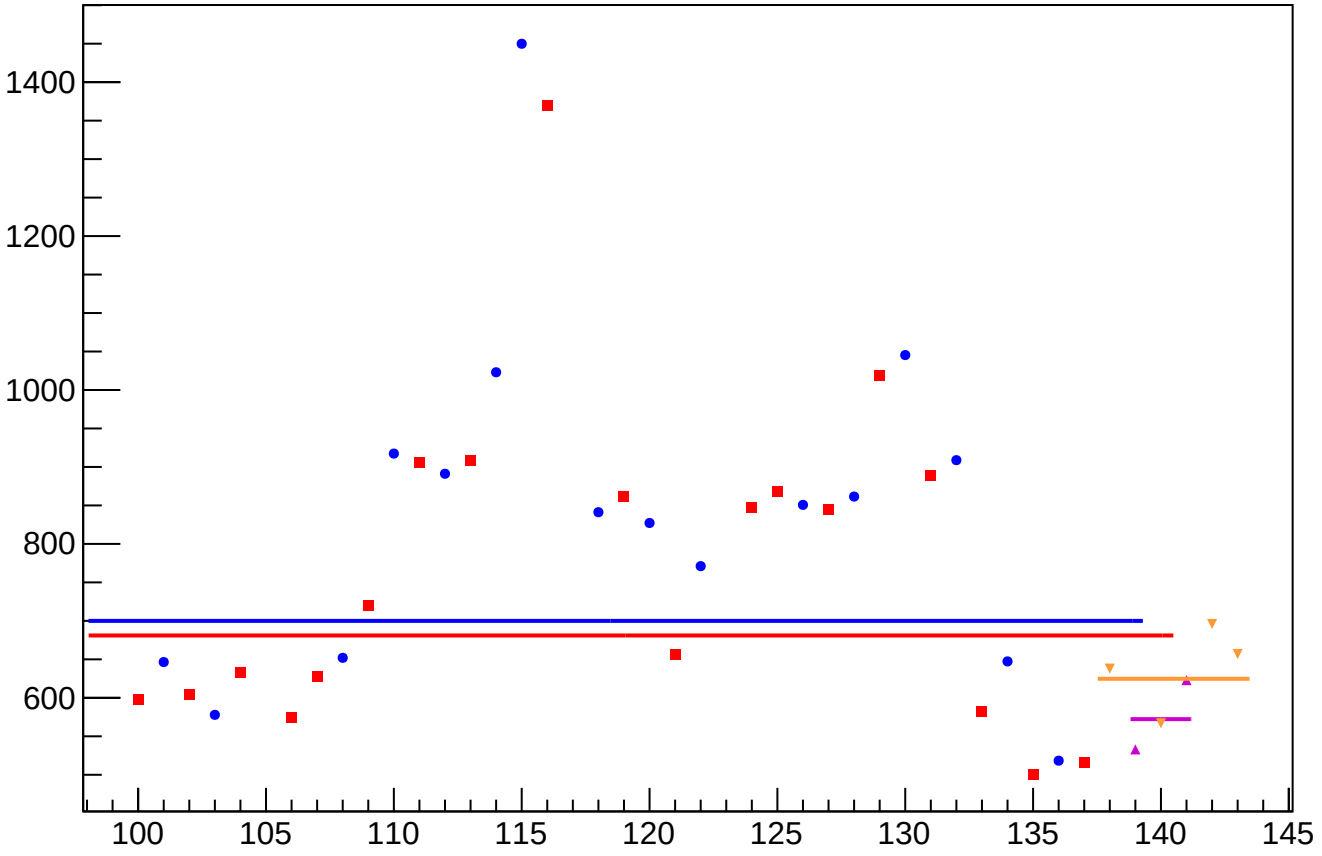
Left In: 375.744+/-437.775 χ^2/NDF:0.6/1

\+ sign -98.485+/-216.727 χ^2/NDF: 15.2/19

All: 166.283+/-154.876 χ^2/NDF: 35.3/40

\- sign 442.599+/-221.403 χ^2/NDF: 17.1/20

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 624.747+/-0.261 χ^2/NDF:31232.5/3

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

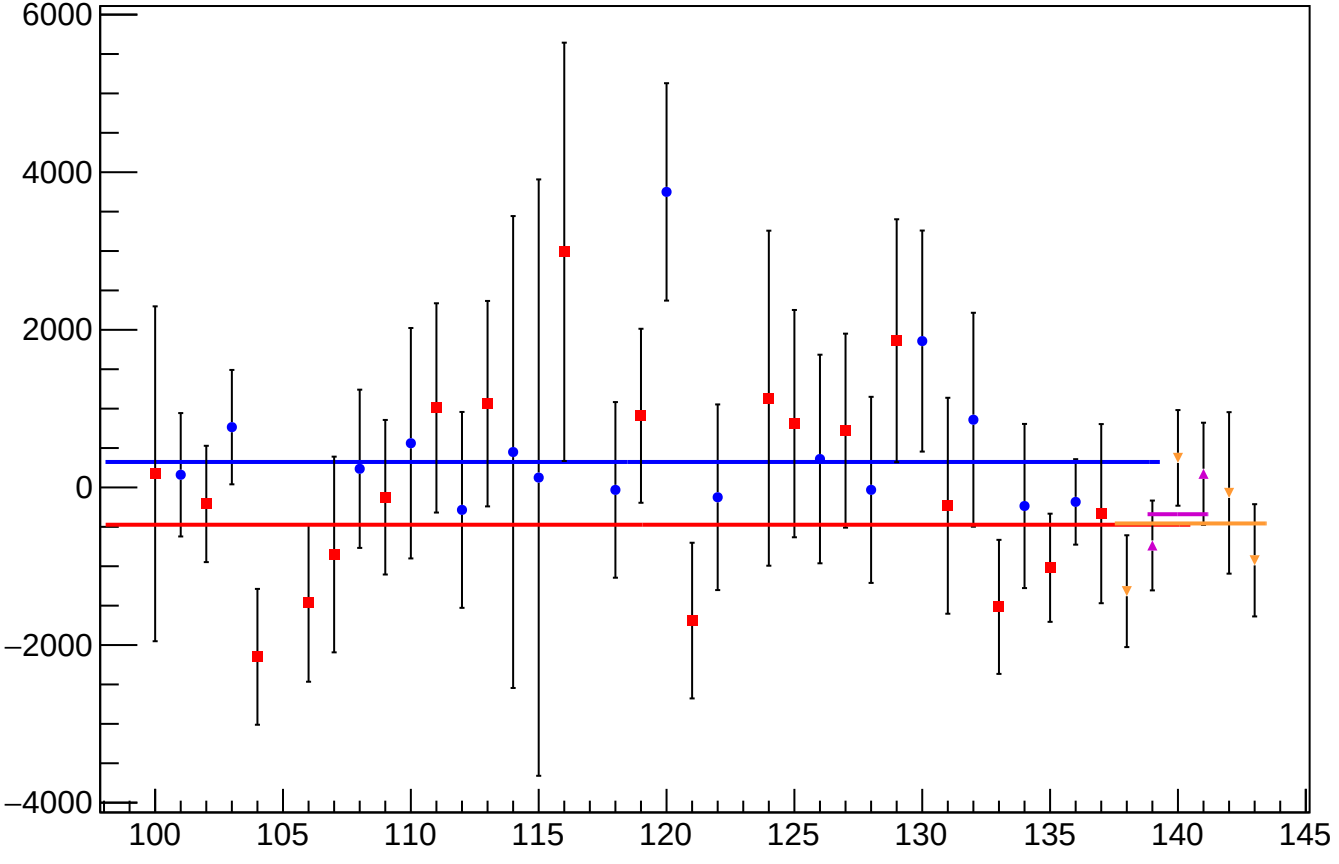
Left In: 572.297+/-0.310 χ^2/NDF:20780.4/1

\+ sign 674.120+/-0.153 χ^2/NDF: 839247.6/19

All: 663.887+/-0.110 χ^2/NDF: 1730338.5/40

\- sign 653.207+/-0.157 χ^2/NDF: 881978.3/20

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -457.093+/-362.138 χ^2/NDF:3.9/3

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

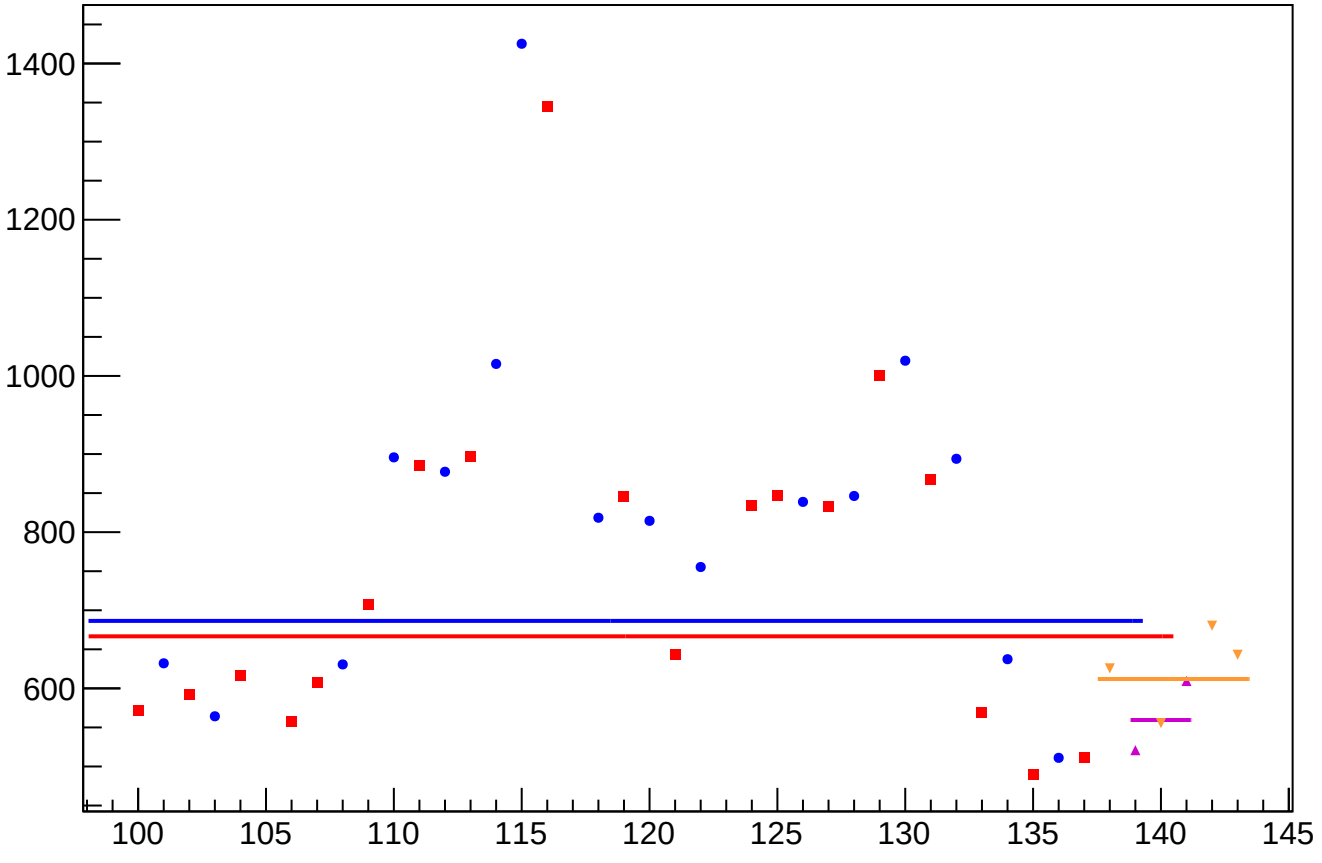
Left In: -339.835+/-427.983 χ^2/NDF:1.1/1

+ sign 54.656+/-212.448 χ^2/NDF: 16.7/19

All: -187.267+/-151.713 χ^2/NDF: 39.9/40

- sign -439.027+/-216.724 χ^2/NDF: 20.6/20

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 611.995+/-0.256 χ^2/NDF:30734.6/3

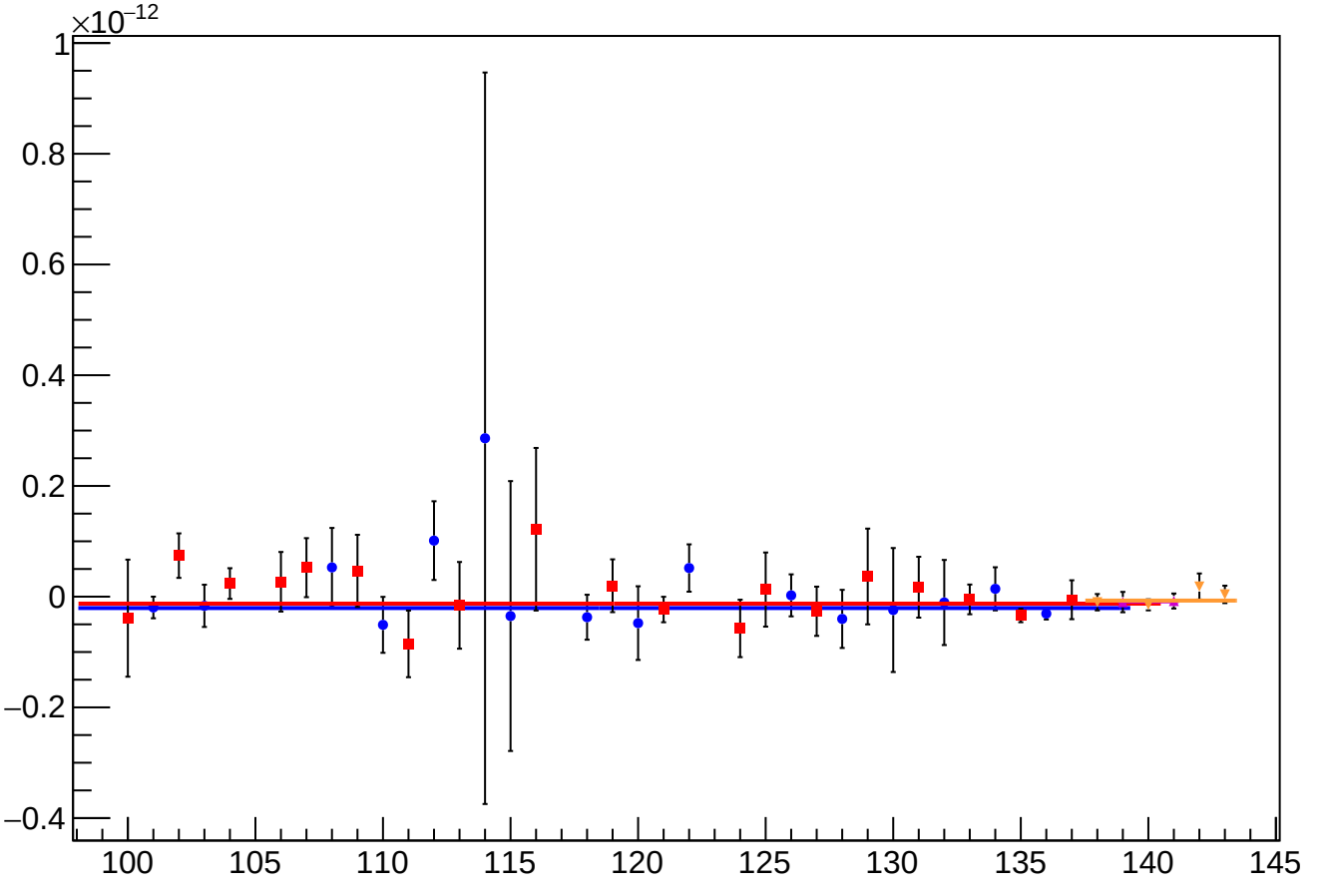
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 559.502+/-0.303 χ^2/NDF:21065.2/1

+ sign 660.789+/-0.150 χ^2/NDF: 835551.9/19

All: 650.192+/-0.107 χ^2/NDF: 1736991.4/40

- sign 639.163+/-0.153 χ^2/NDF: 891283.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/3

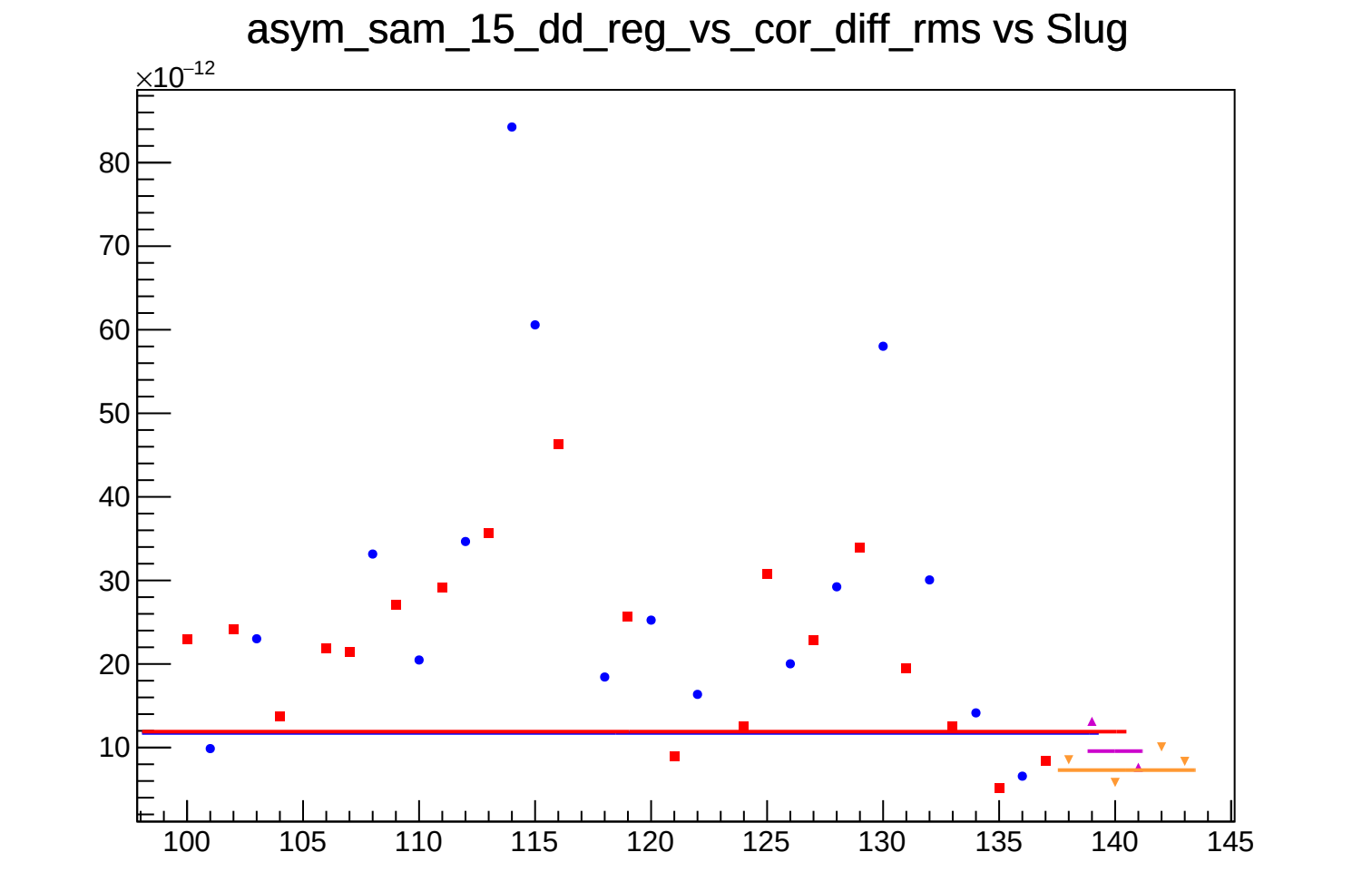
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 14.0/19

All: -0.000+/-0.000 χ^2/NDF: 31.2/40

- sign -0.000+/-0.000 χ^2/NDF: 17.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:94412.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

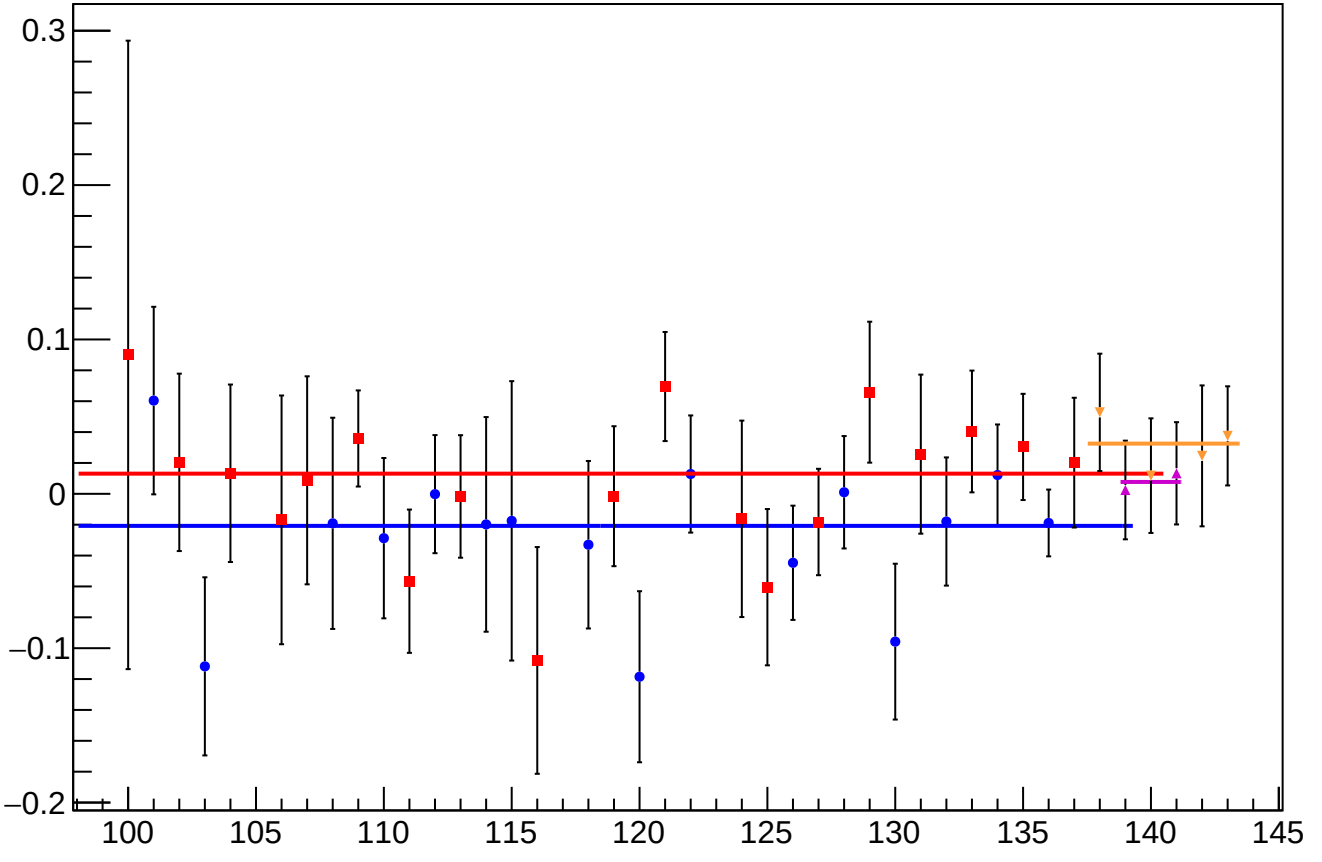
Left In: 0.000+/-0.000 χ^2/NDF:115946.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 2615510.7/19

All: 0.000+/-0.000 χ^2/NDF: 5093047.7/40

- sign 0.000+/-0.000 χ^2/NDF: 2378506.5/20

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: 0.033+/-0.019 χ^2/NDF:0.7/3

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

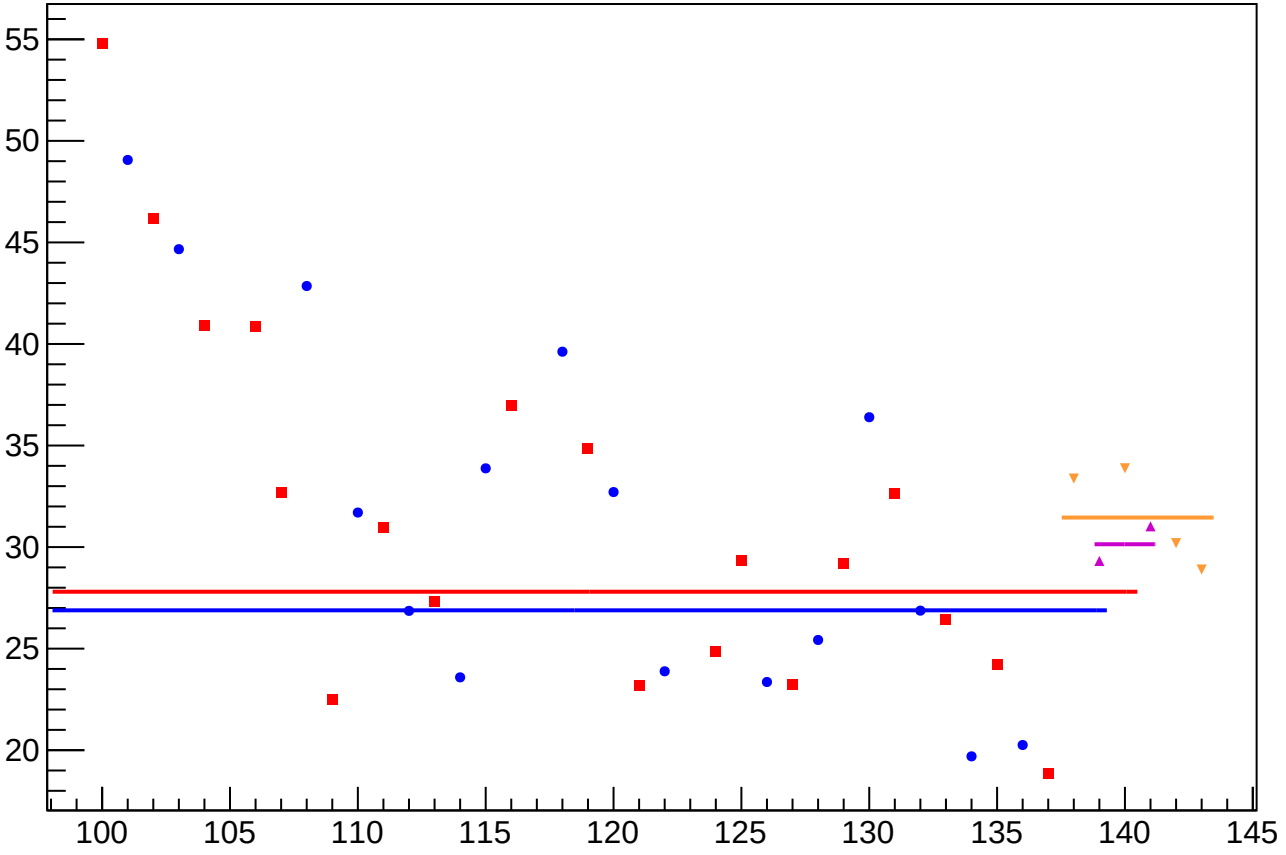
Left In: 0.008+/-0.023 χ^2/NDF:0.1/1

+ sign -0.008+/-0.009 χ^2/NDF: 19.4/19

All: 0.002+/-0.007 χ^2/NDF: 35.7/40

- sign 0.012+/-0.010 χ^2/NDF: 14.0/20

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.454+/-0.013 χ^2/NDF:27866.4/3

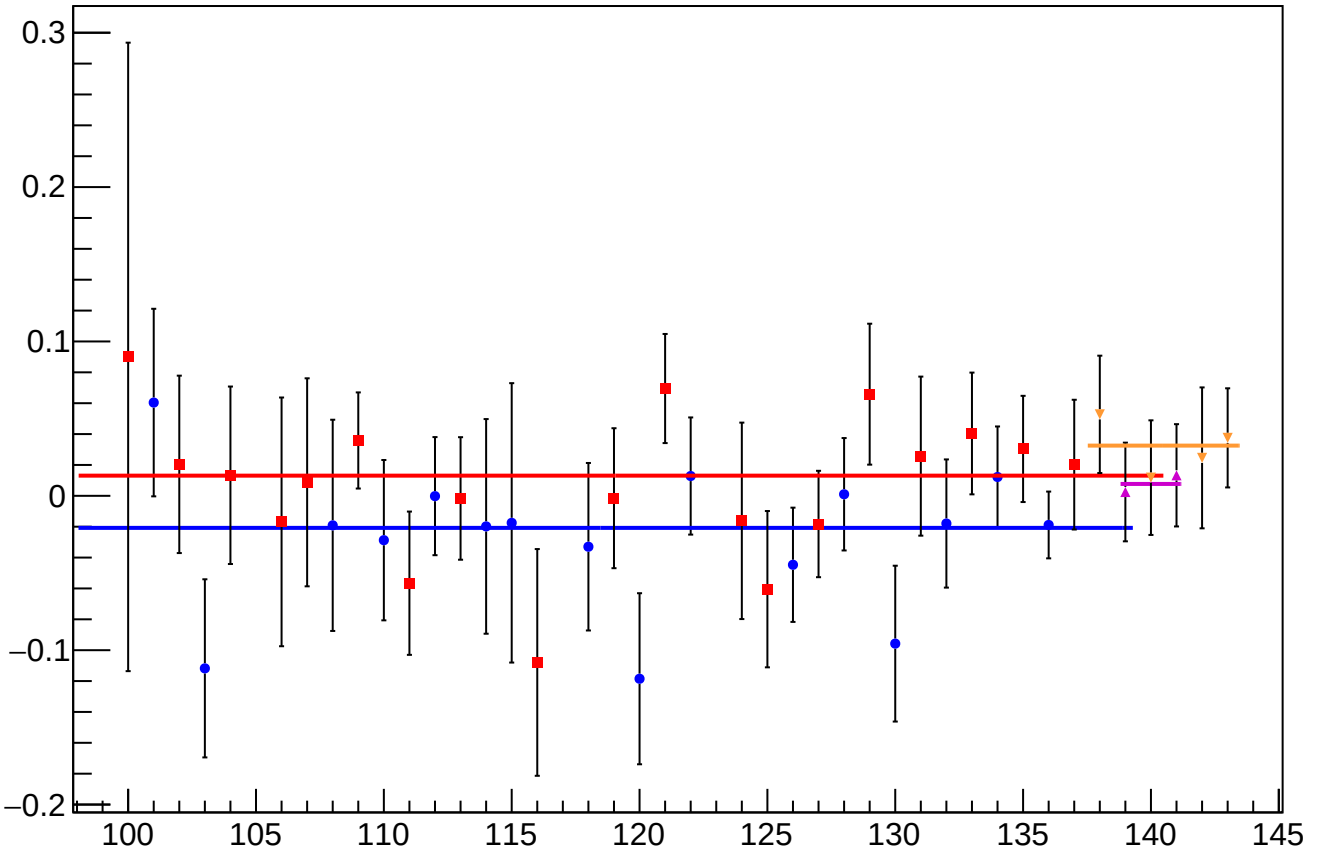
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.140+/-0.016 χ^2/NDF:2739.6/1

+ sign 27.985+/-0.006 χ^2/NDF: 1239323.7/19

All: 28.091+/-0.005 χ^2/NDF: 2022813.2/40

- sign 28.208+/-0.007 χ^2/NDF: 782924.9/20



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

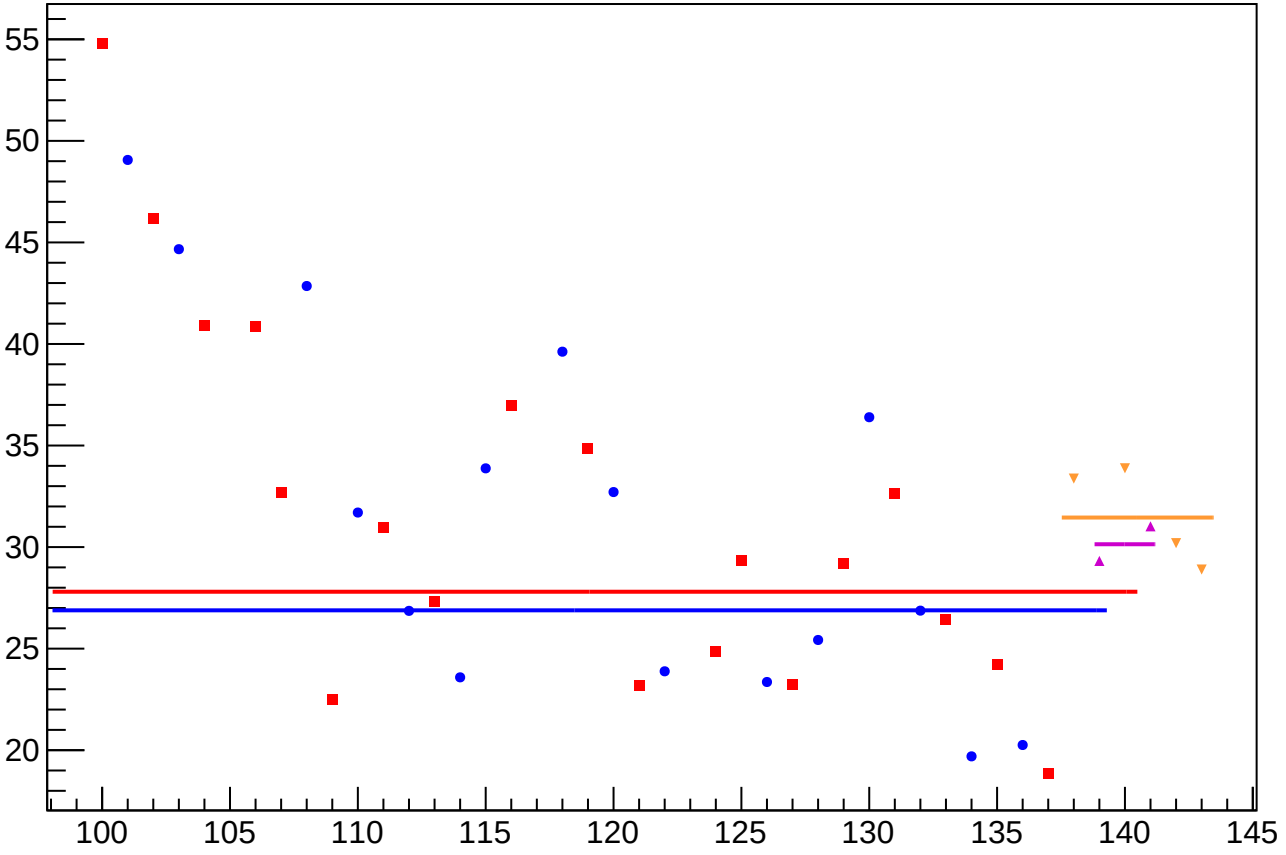
Left In: 0.008+/-0.023 χ^2/NDF:0.1/1

\+ sign -0.008+/-0.009 χ^2/NDF: 19.4/19

All: 0.002+/-0.007 χ^2/NDF: 35.7/40

\- sign 0.012+/-0.010 χ^2/NDF: 14.0/20

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.454+/-0.013 χ^2/NDF:27866.4/3

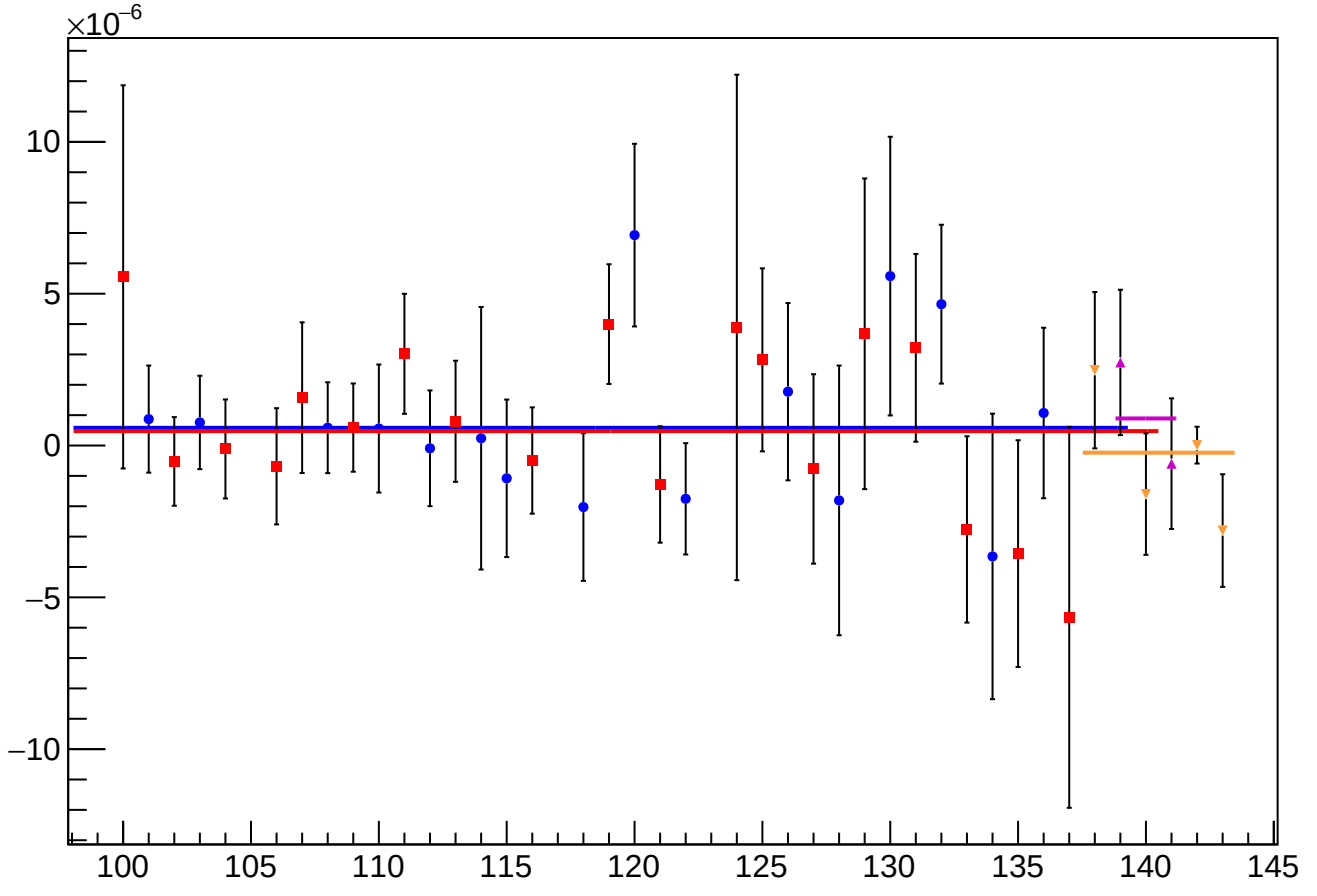
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.140+/-0.016 χ^2/NDF:2739.6/1

+ sign 27.985+/-0.006 χ^2/NDF: 1239323.7/19

All: 28.091+/-0.005 χ^2/NDF: 2022813.2/40

- sign 28.208+/-0.007 χ^2/NDF: 782924.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.7/3

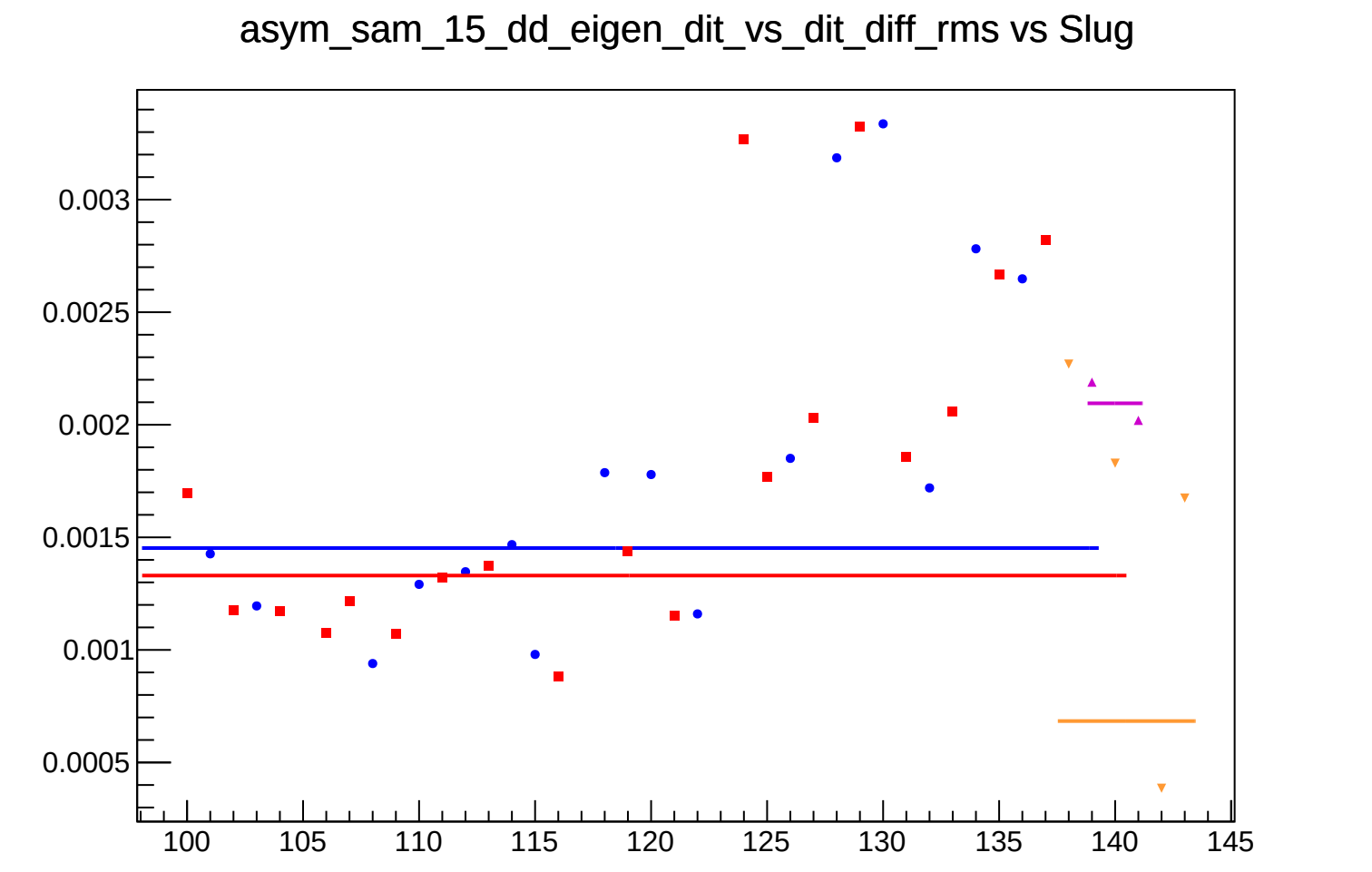
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 17.4/19

All: 0.000+/-0.000 χ^2/NDF: 32.1/40

- sign 0.000+/-0.000 χ^2/NDF: 14.3/20



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2470263.6/3

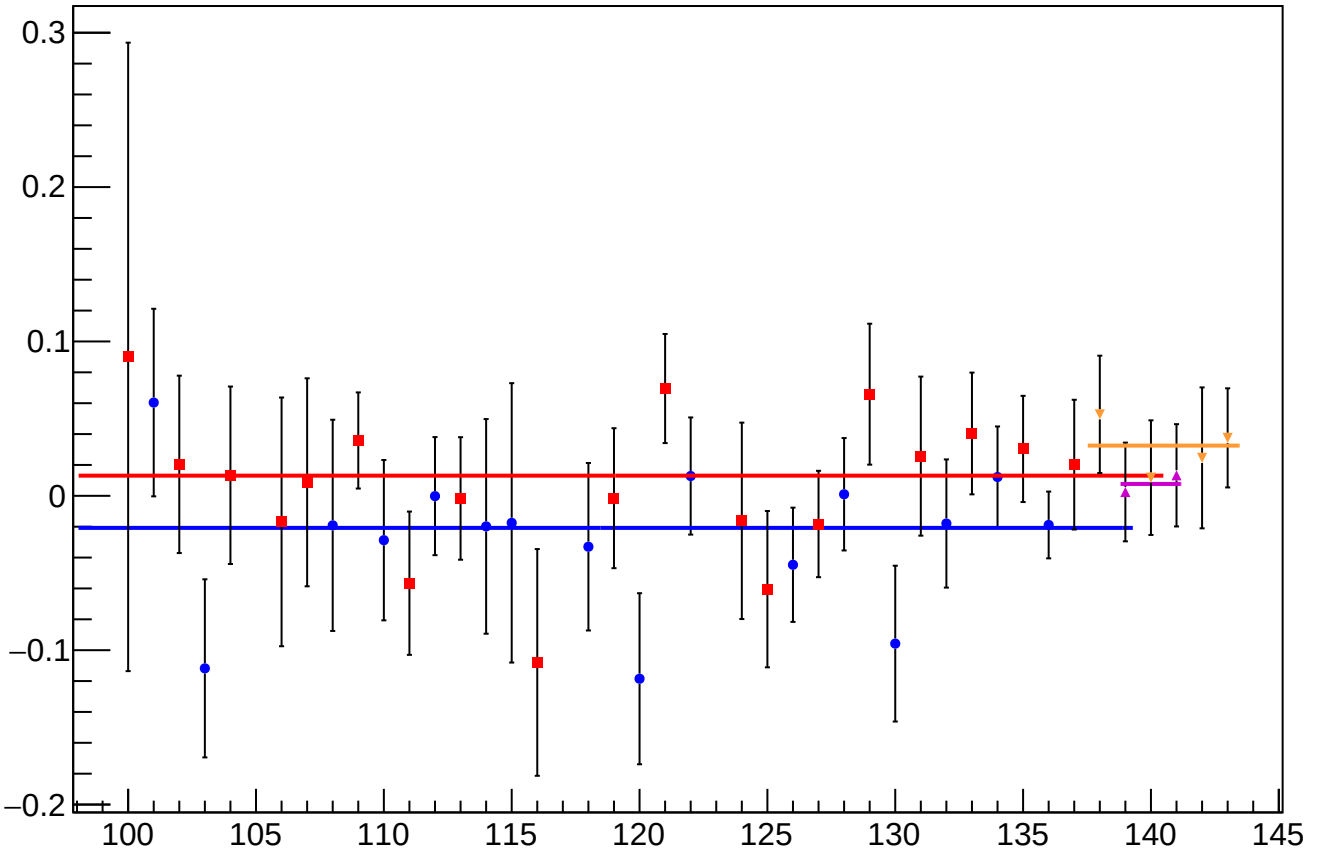
Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.002+/-0.000 χ^2/NDF:5555.3/1

+ sign 0.001+/-0.000 χ^2/NDF: 6068983.5/19

All: 0.001+/-0.000 χ^2/NDF: 8539128.4/40

- sign 0.001+/-0.000 χ^2/NDF: 1822273.5/20



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

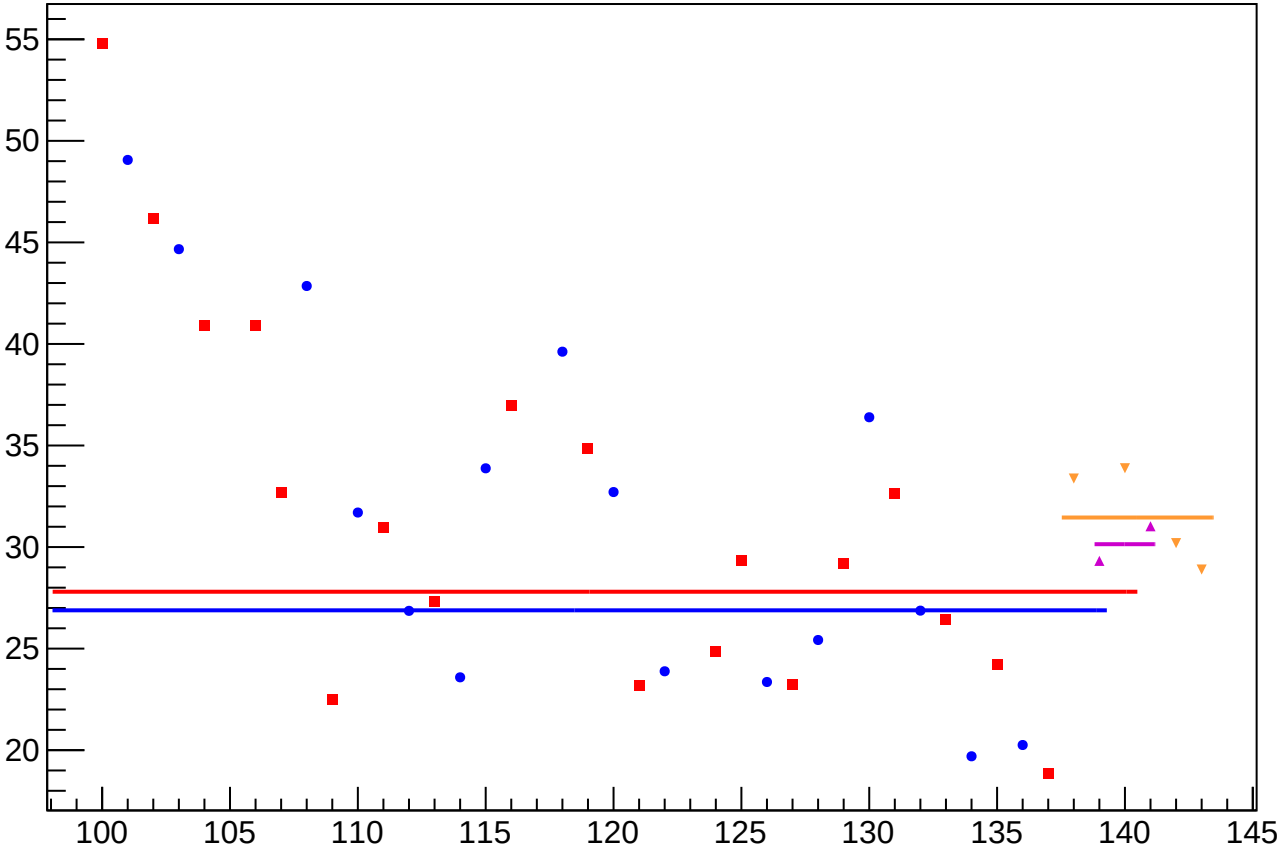
Left In: 0.008+/-0.023 χ^2/NDF:0.1/1

\+ sign -0.008+/-0.009 χ^2/NDF: 19.4/19

All: 0.002+/-0.007 χ^2/NDF: 35.7/40

\- sign 0.012+/-0.010 χ^2/NDF: 14.0/20

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.455+/-0.013 χ^2/NDF:27890.4/3

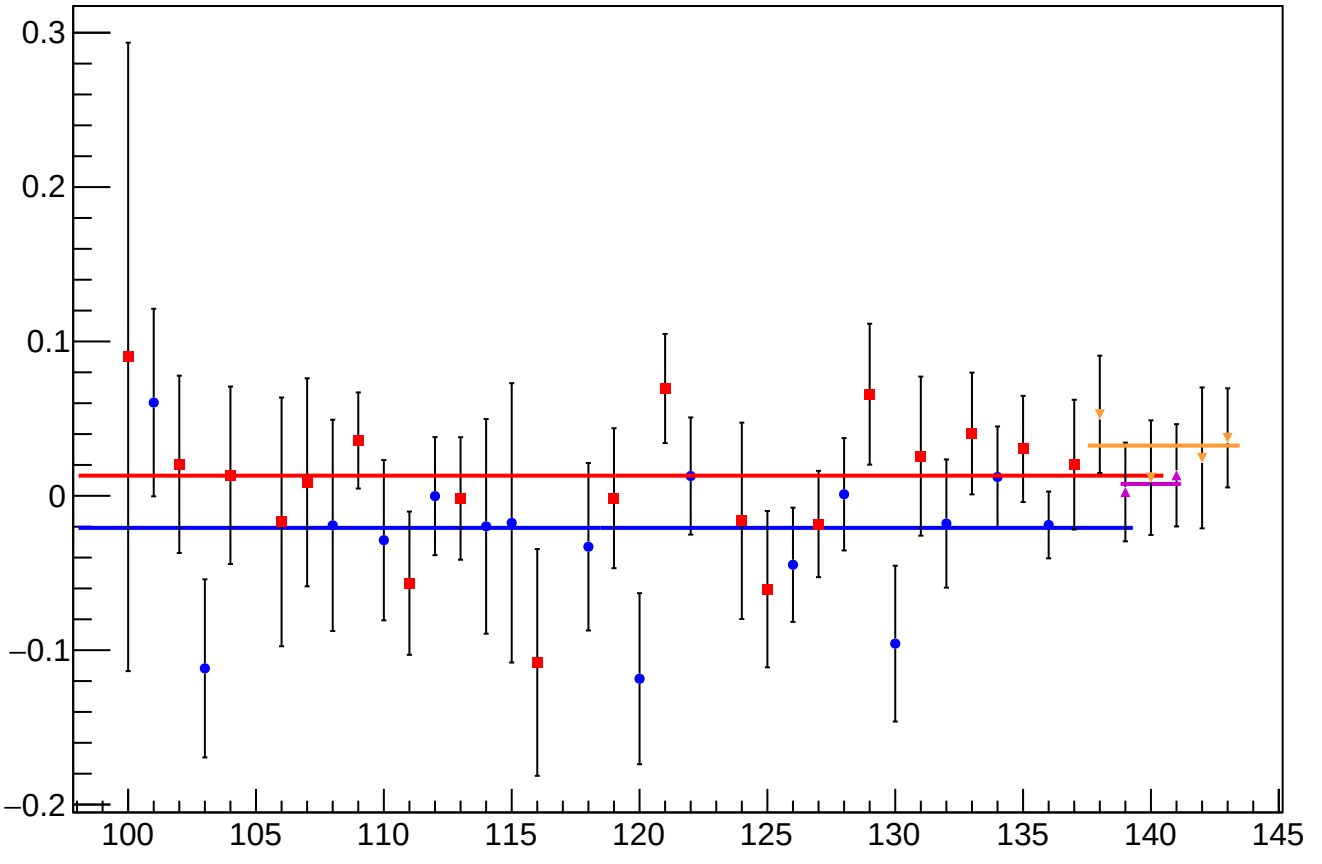
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.141+/-0.016 χ^2/NDF:2740.0/1

+ sign 27.984+/-0.006 χ^2/NDF: 1239399.1/19

All: 28.090+/-0.005 χ^2/NDF: 2023030.4/40

- sign 28.207+/-0.007 χ^2/NDF: 783068.1/20



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

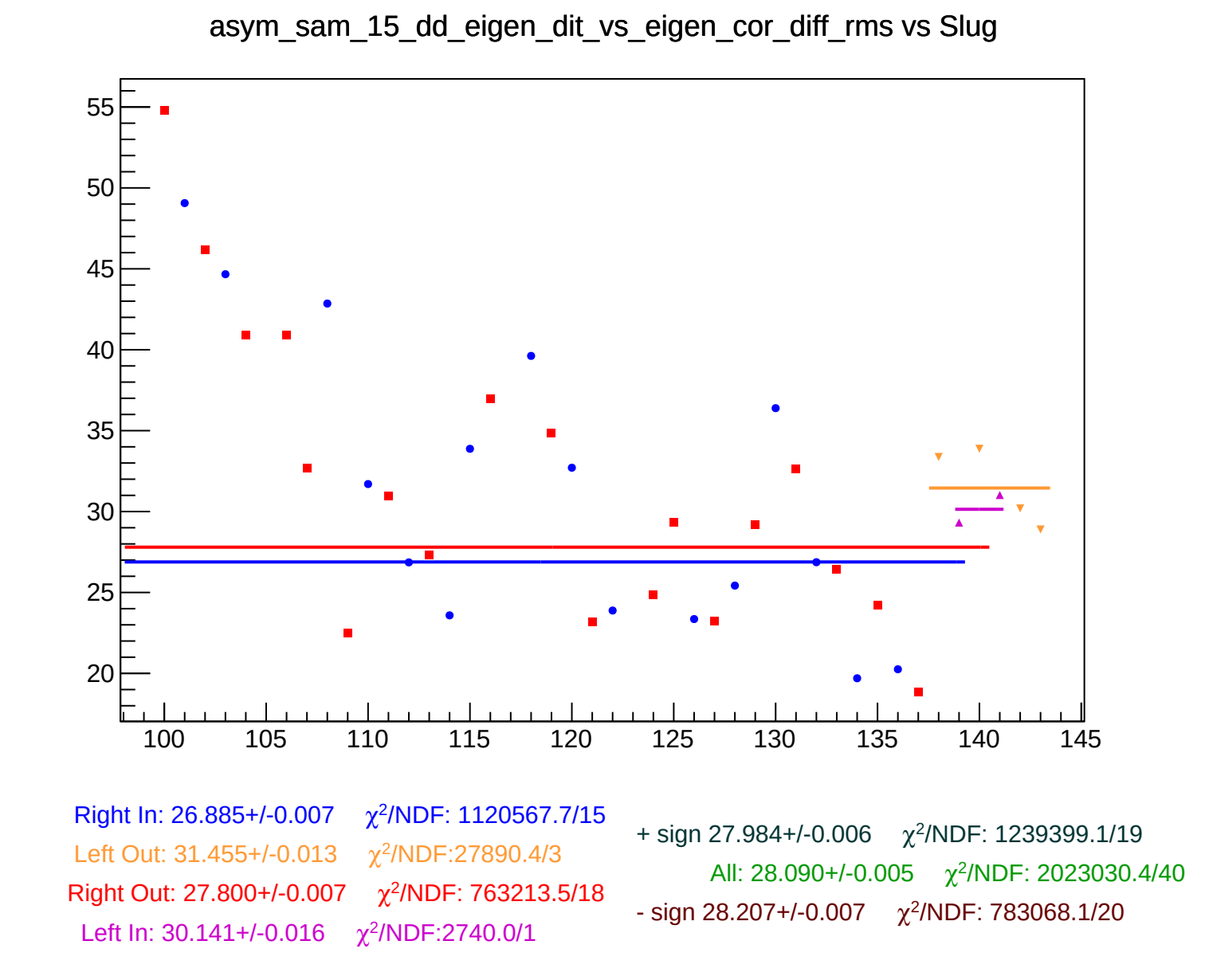
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.008+/-0.023 χ^2/NDF:0.1/1

\+ sign -0.008+/-0.009 χ^2/NDF: 19.4/19

All: 0.002+/-0.007 χ^2/NDF: 35.7/40

\- sign 0.012+/-0.010 χ^2/NDF: 14.0/20


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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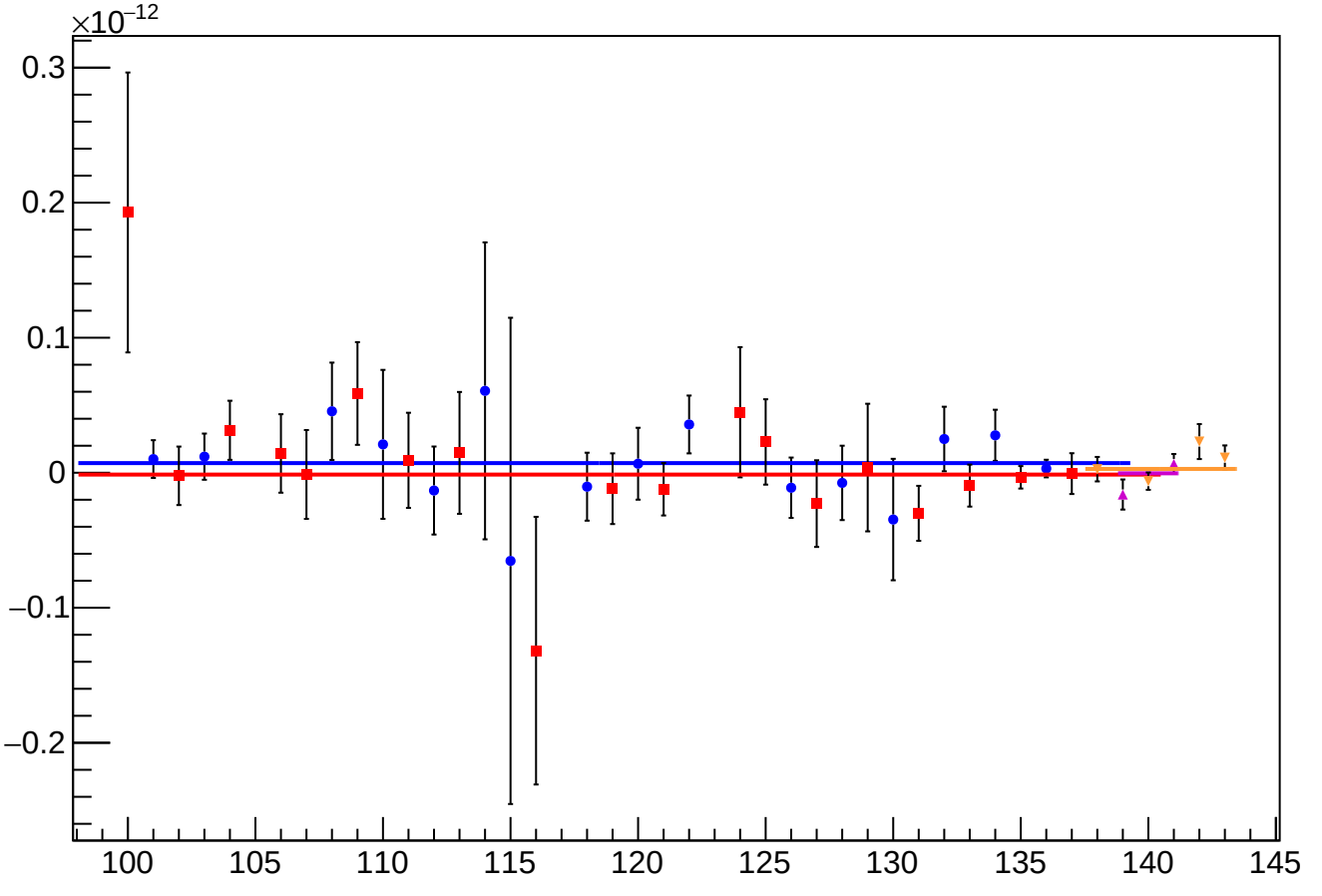
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.455+/-0.013 χ²/NDF:27890.4/3
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 30.141+/-0.016 χ²/NDF:2740.0/1
+ sign 27.984+/-0.006 χ²/NDF: 1239399.1/19
All: 28.090+/-0.005 χ²/NDF: 2023030.4/40
- sign 28.207+/-0.007 χ²/NDF: 783068.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/3

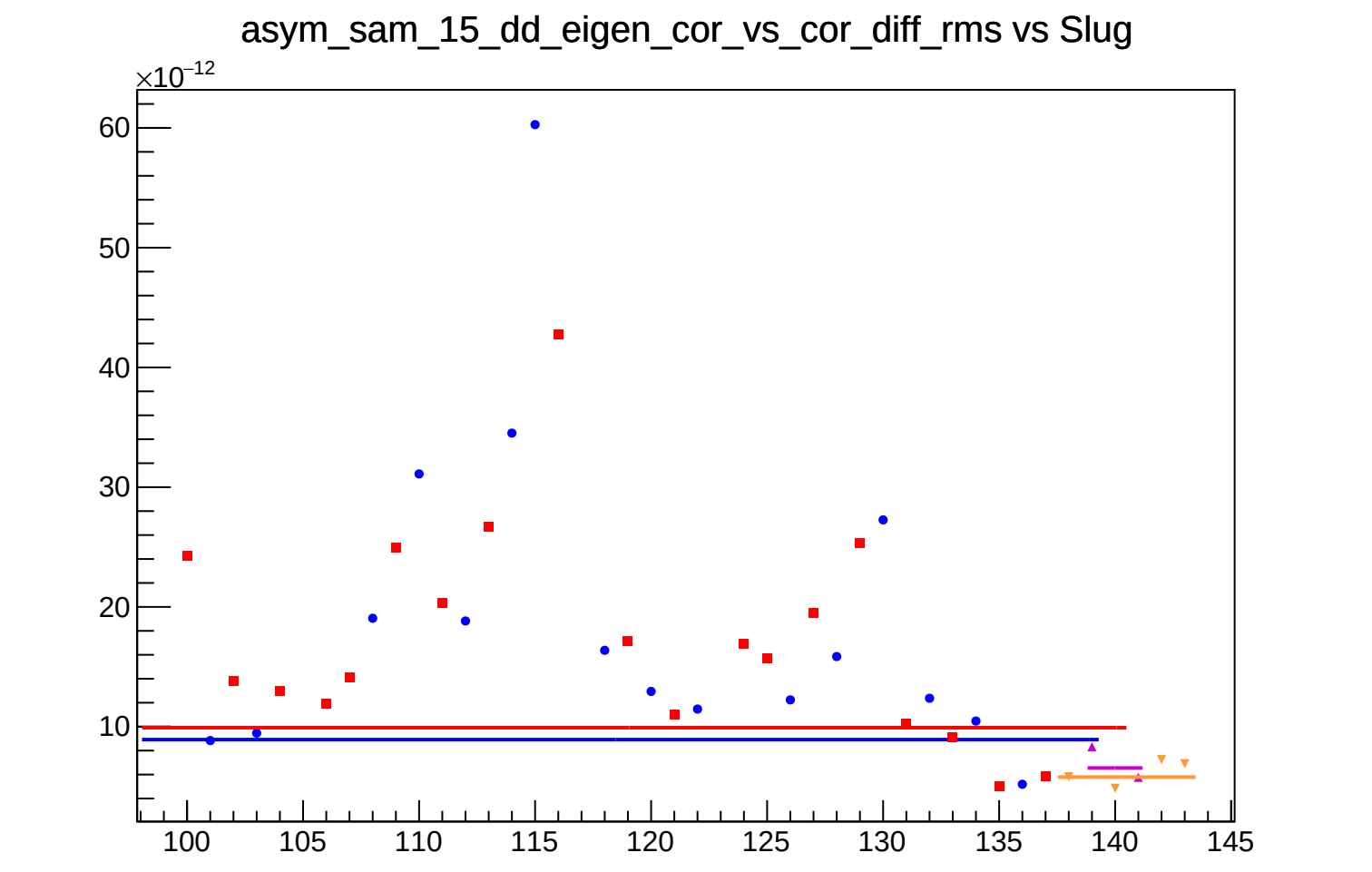
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 14.1/19

All: 0.000+/-0.000 χ^2/NDF: 33.6/40

- sign -0.000+/-0.000 χ^2/NDF: 18.1/20


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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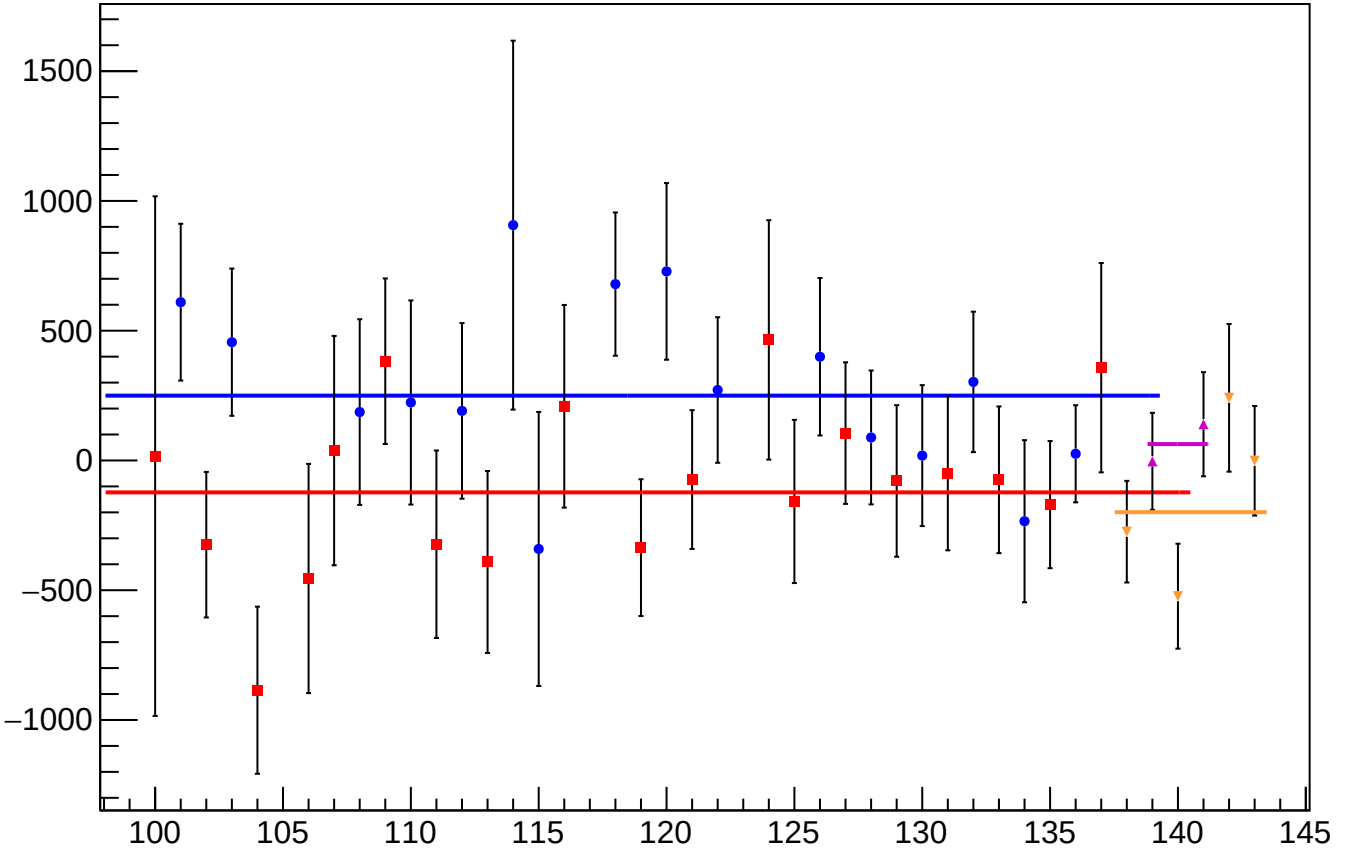
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:98468.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:73333.9/1
+ sign 0.000+/-0.000 χ²/NDF: 3000957.0/19
All: 0.000+/-0.000 χ²/NDF: 6254682.8/40
- sign 0.000+/-0.000 χ²/NDF: 3106374.4/20

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

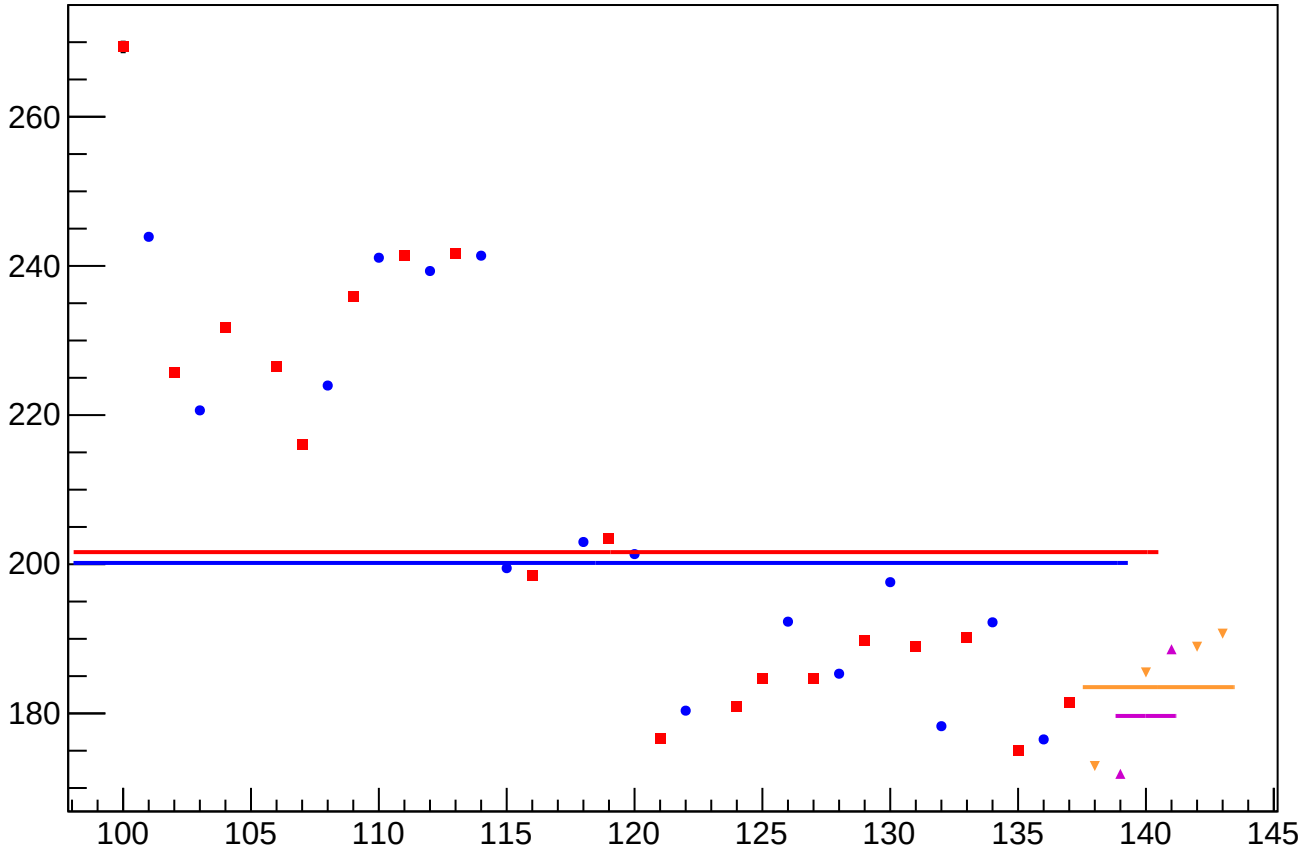
Left In: 63.069+/-136.725 χ^2/NDF:0.3/1

+ sign 104.468+/-61.583 χ^2/NDF: 31.4/19

All: 17.436+/-44.812 χ^2/NDF: 52.9/40

- sign -80.512+/-65.331 χ^2/NDF: 17.3/20

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

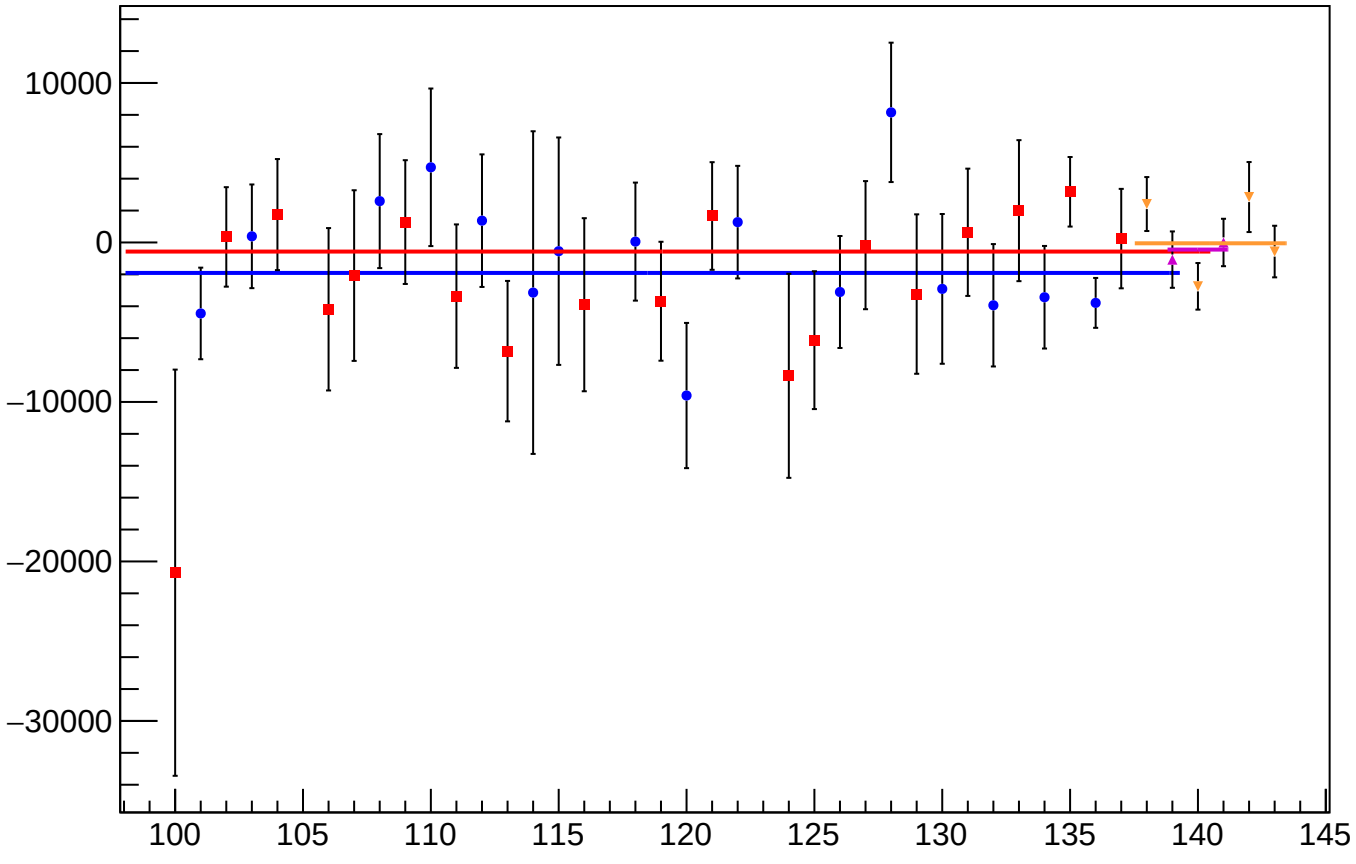
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.8/1

+ sign 194.788+/-0.044 χ^2/NDF: 222065.8/19

All: 195.646+/-0.032 χ^2/NDF: 467395.7/40

- sign 196.612+/-0.046 χ^2/NDF: 244504.7/20



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -52.462+/-842.796 χ^2/NDF:7.4/3

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

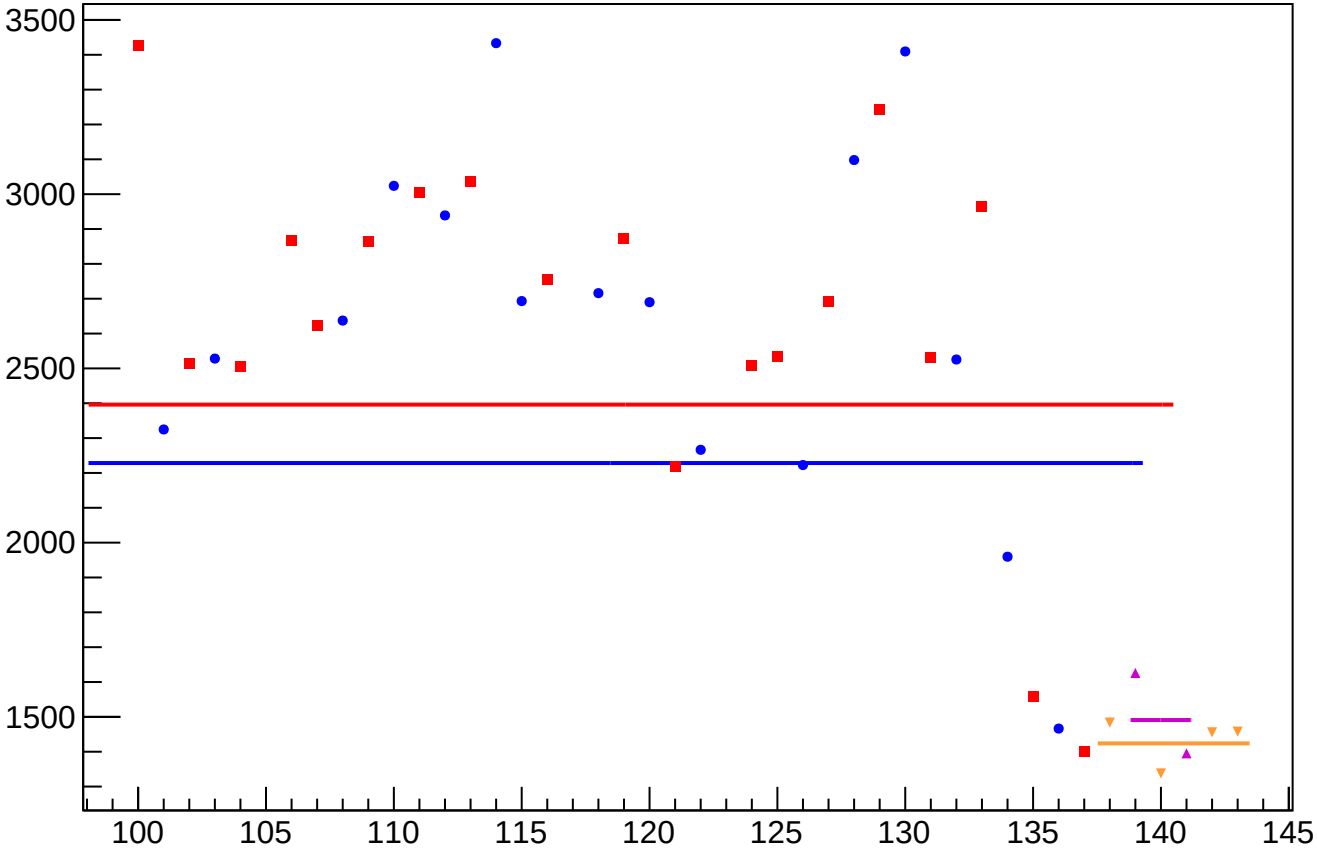
Left In: -446.862+/-1137.847 χ^2/NDF:0.2/1

+ sign -963.622+/-601.624 χ^2/NDF: 26.0/19

All: -778.358+/-457.940 χ^2/NDF: 41.1/40

- sign -523.162+/-706.099 χ^2/NDF: 14.9/20

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10748.9/3

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

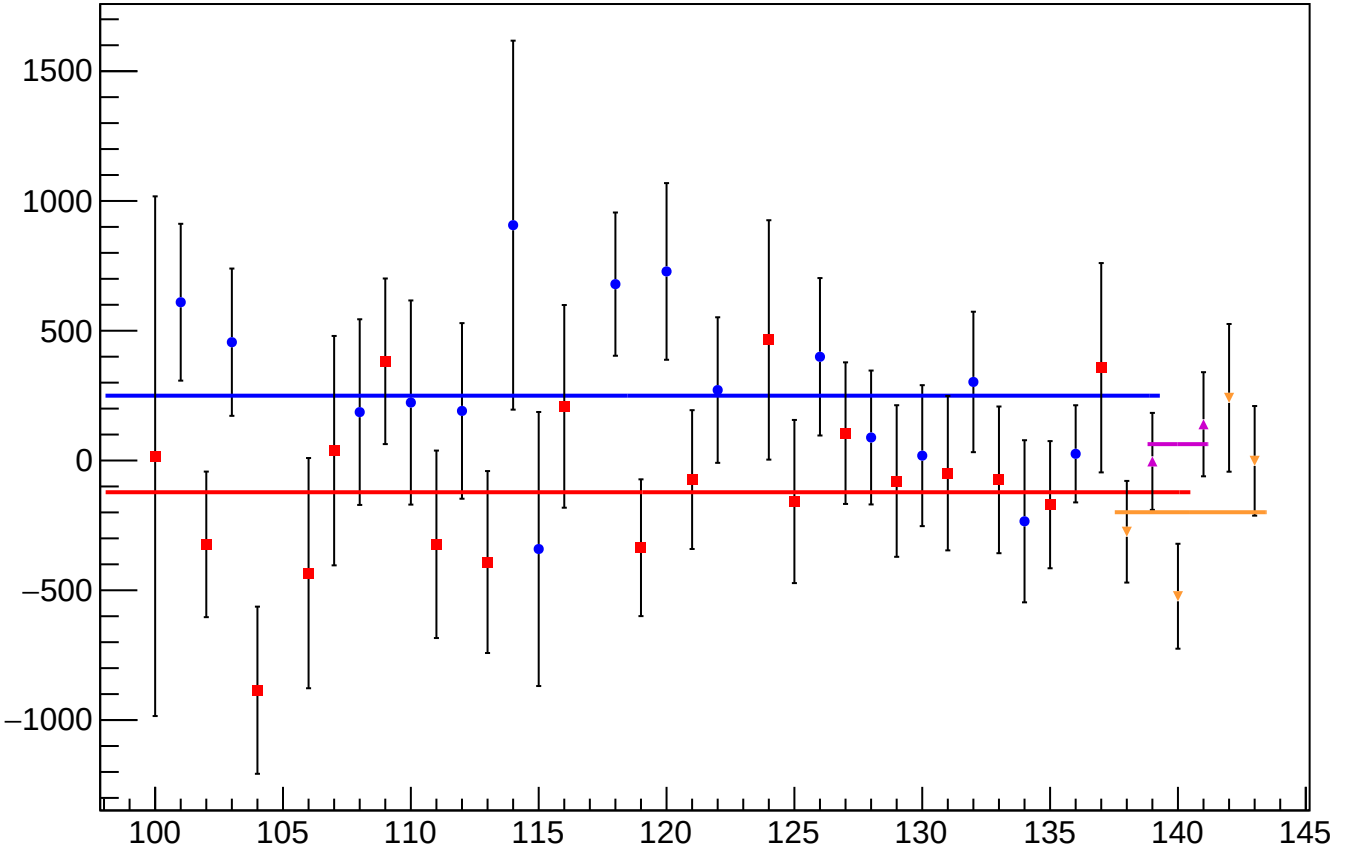
Left In: 1490.924+/-0.805 χ^2/NDF:19945.9/1

+ sign 1818.442+/-0.425 χ^2/NDF: 1852315.7/19

All: 1914.793+/-0.324 χ^2/NDF: 3571911.1/40

- sign 2047.512+/-0.499 χ^2/NDF: 1597639.9/20

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

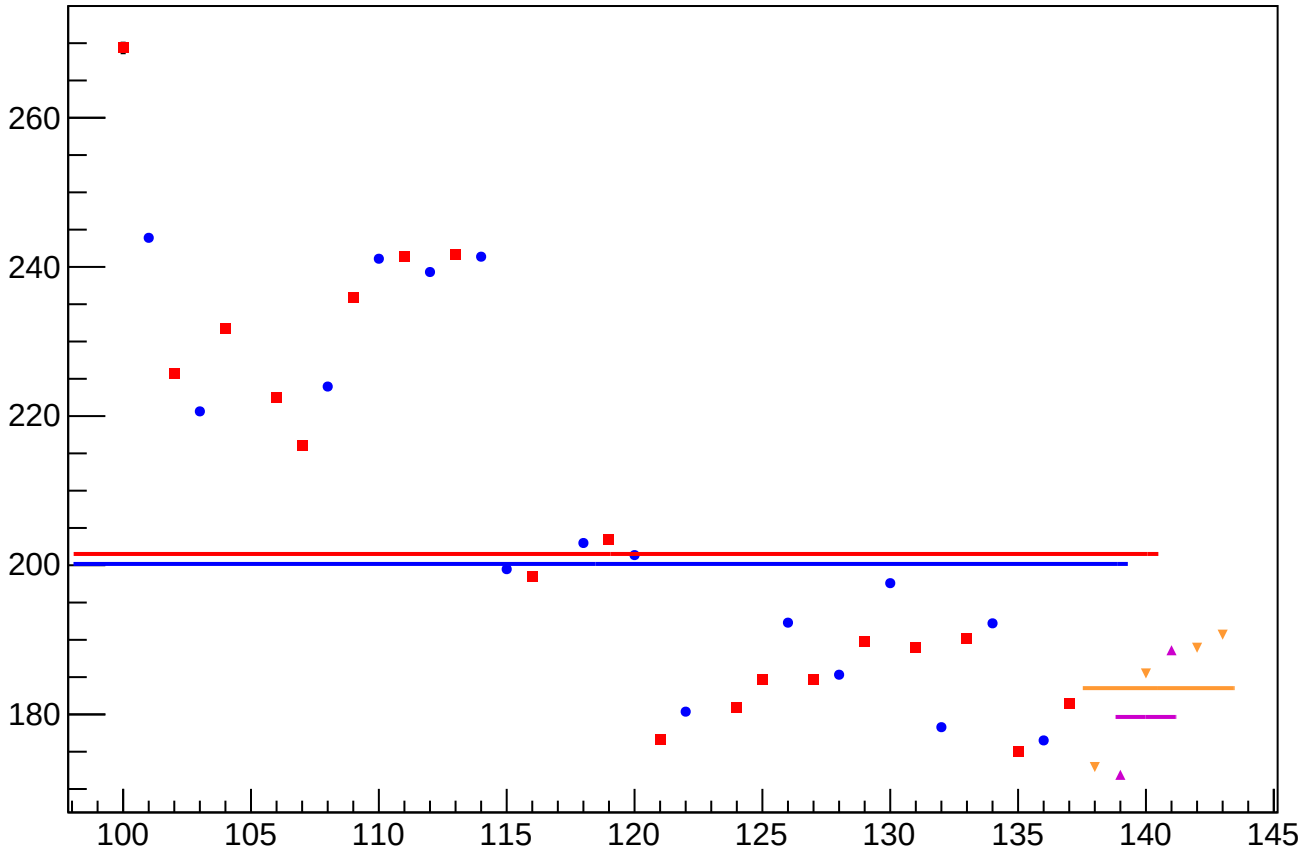
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 63.056+/-136.725 χ^2/NDF:0.3/1

+ sign 104.470+/-61.583 χ^2/NDF: 31.4/19

All: 17.734+/-44.814 χ^2/NDF: 52.8/40

- sign -79.902+/-65.338 χ^2/NDF: 17.2/20



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

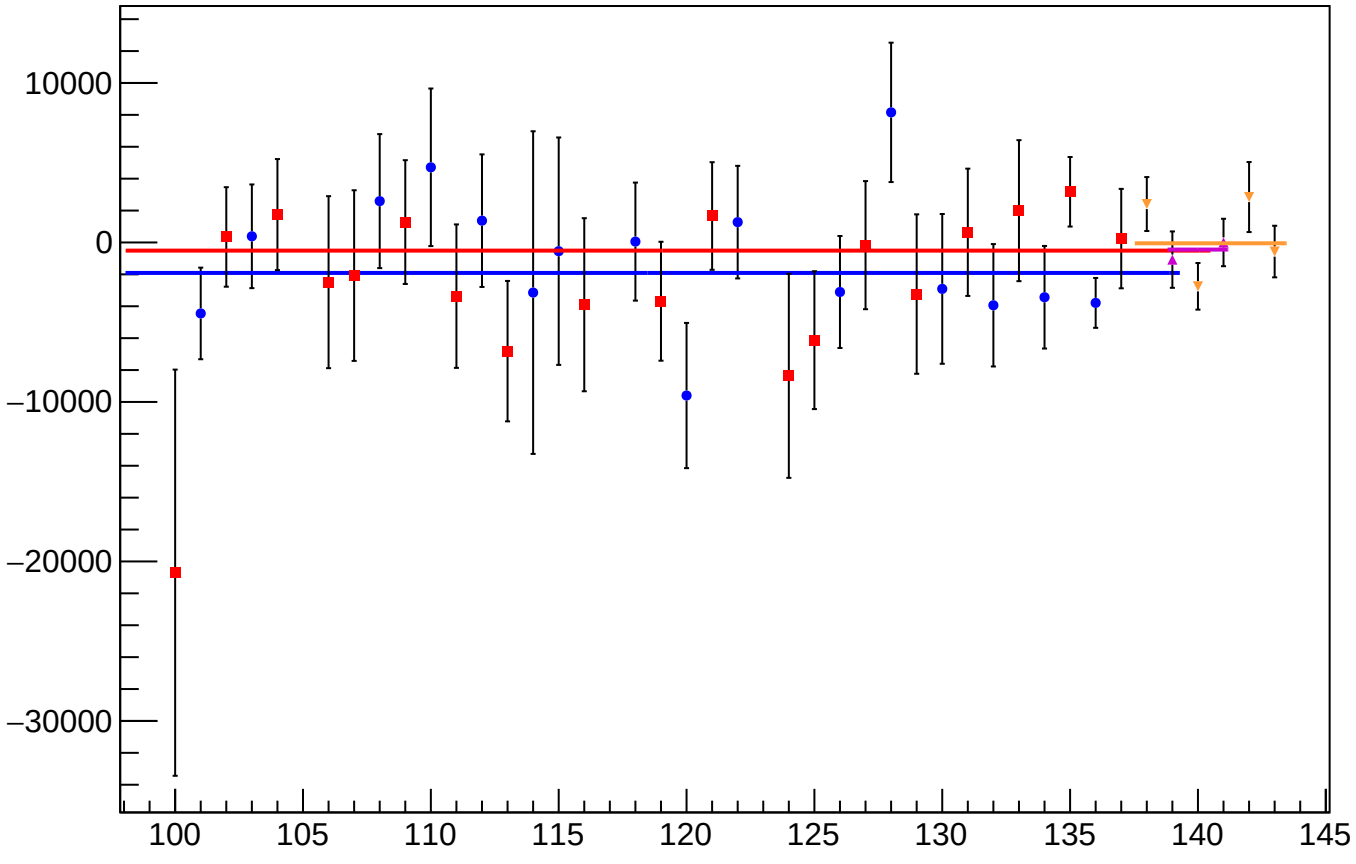
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.9/1

+ sign 194.788+/-0.044 χ^2/NDF: 222066.2/19

All: 195.605+/-0.032 χ^2/NDF: 465093.2/40

- sign 196.524+/-0.046 χ^2/NDF: 242279.7/20



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -52.471+/-842.796 χ^2/NDF:7.4/3

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

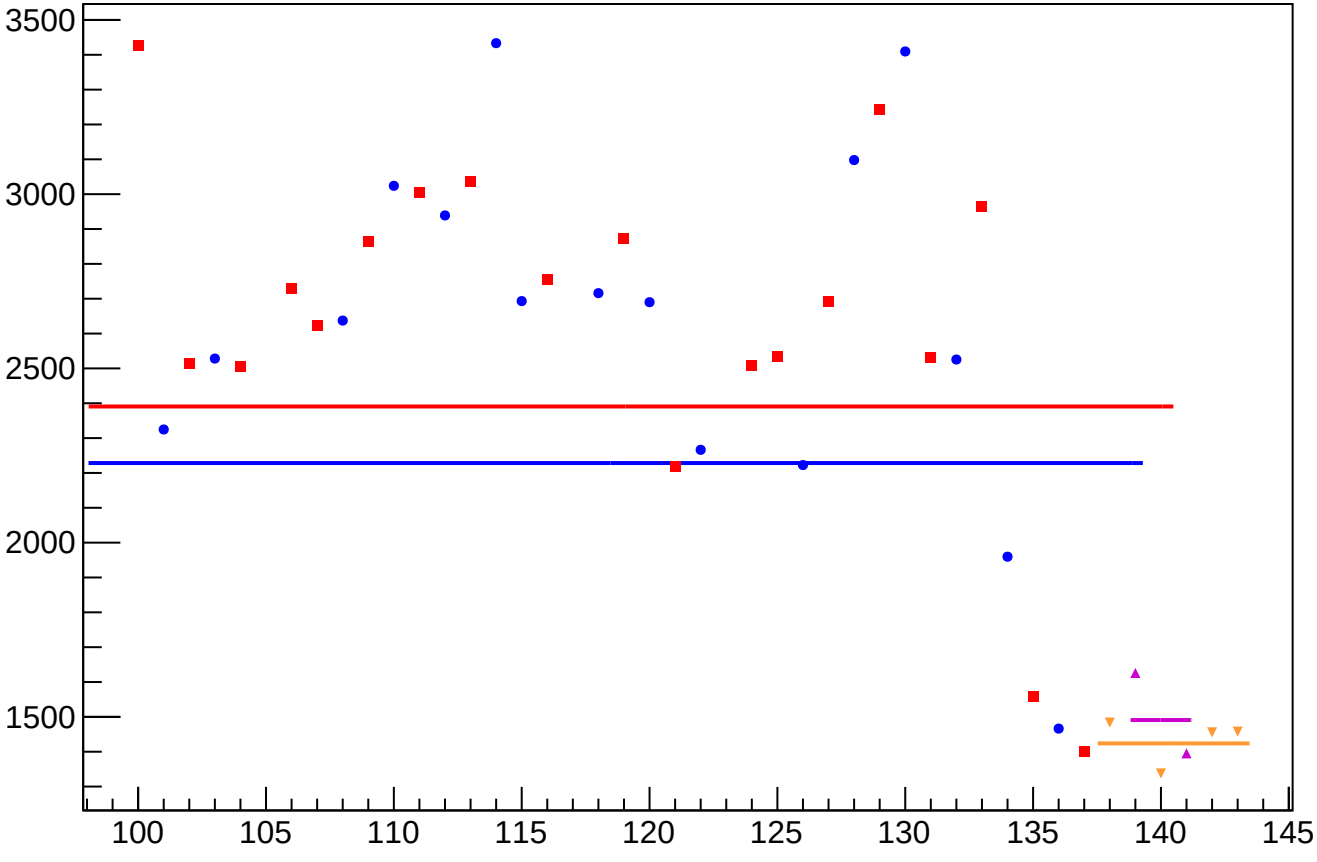
Left In: -446.907+/-1137.847 χ^2/NDF:0.2/1

+ sign -963.607+/-601.625 χ^2/NDF: 26.0/19

All: -763.148+/-458.145 χ^2/NDF: 40.8/40

- sign -486.435+/-706.852 χ^2/NDF: 14.5/20

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10749.3/3

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

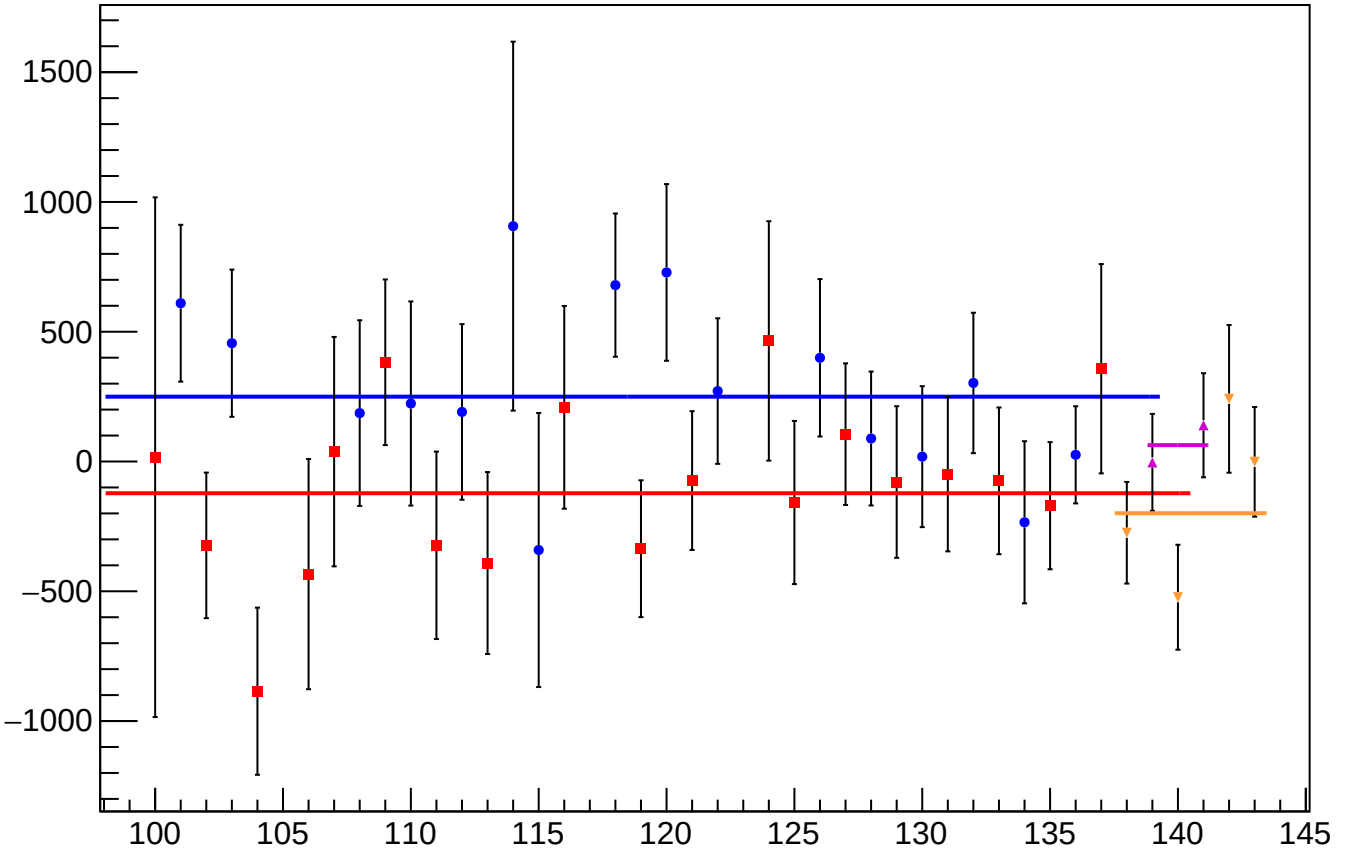
Left In: 1490.924+/-0.805 χ^2/NDF:19945.9/1

+ sign 1818.443+/-0.425 χ^2/NDF: 1852327.1/19

All: 1912.982+/-0.324 χ^2/NDF: 3547887.4/40

- sign 2043.484+/-0.500 χ^2/NDF: 1578002.6/20

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

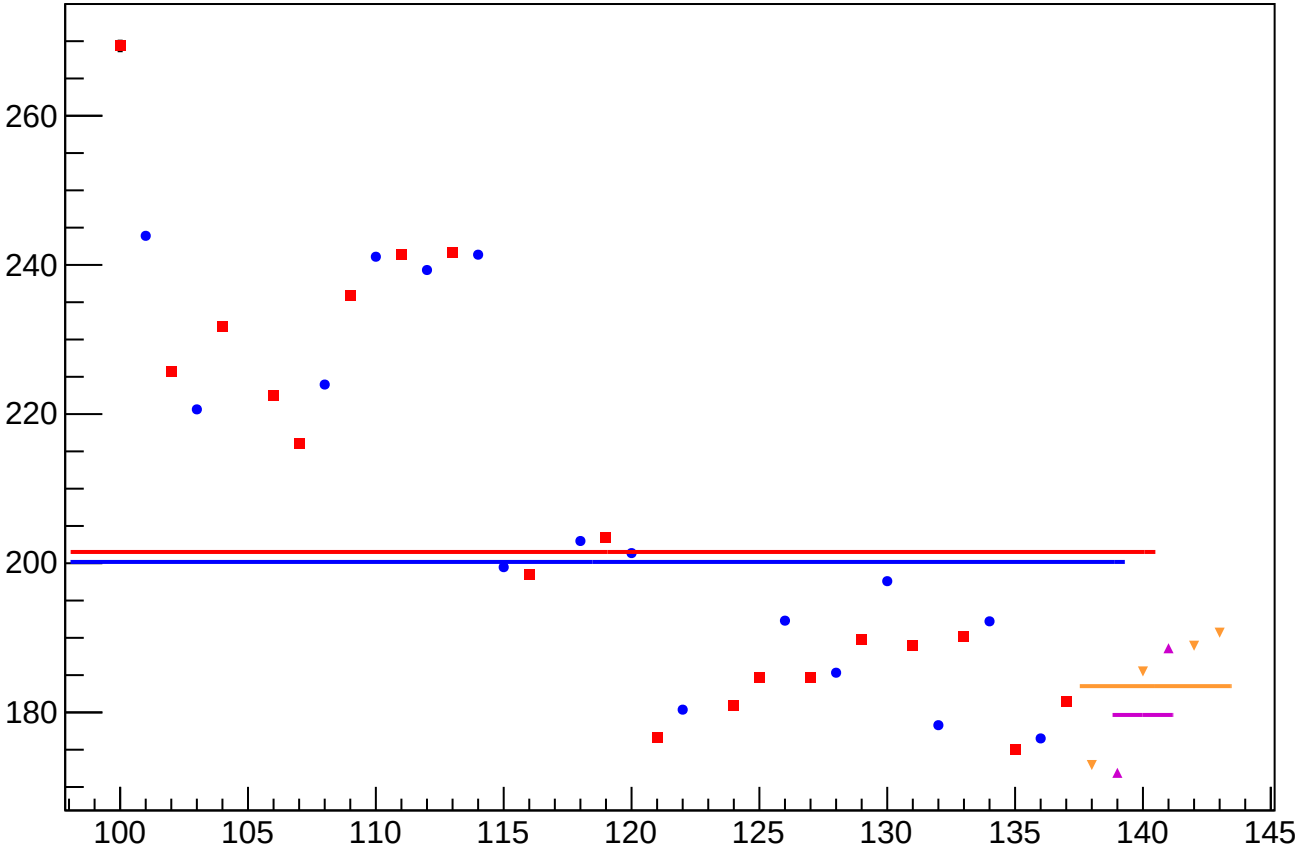
Left In: 63.056+/-136.725 χ^2/NDF:0.3/1

+ sign 104.470+/-61.583 χ^2/NDF: 31.4/19

All: 17.734+/-44.814 χ^2/NDF: 52.8/40

- sign -79.902+/-65.338 χ^2/NDF: 17.2/20

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

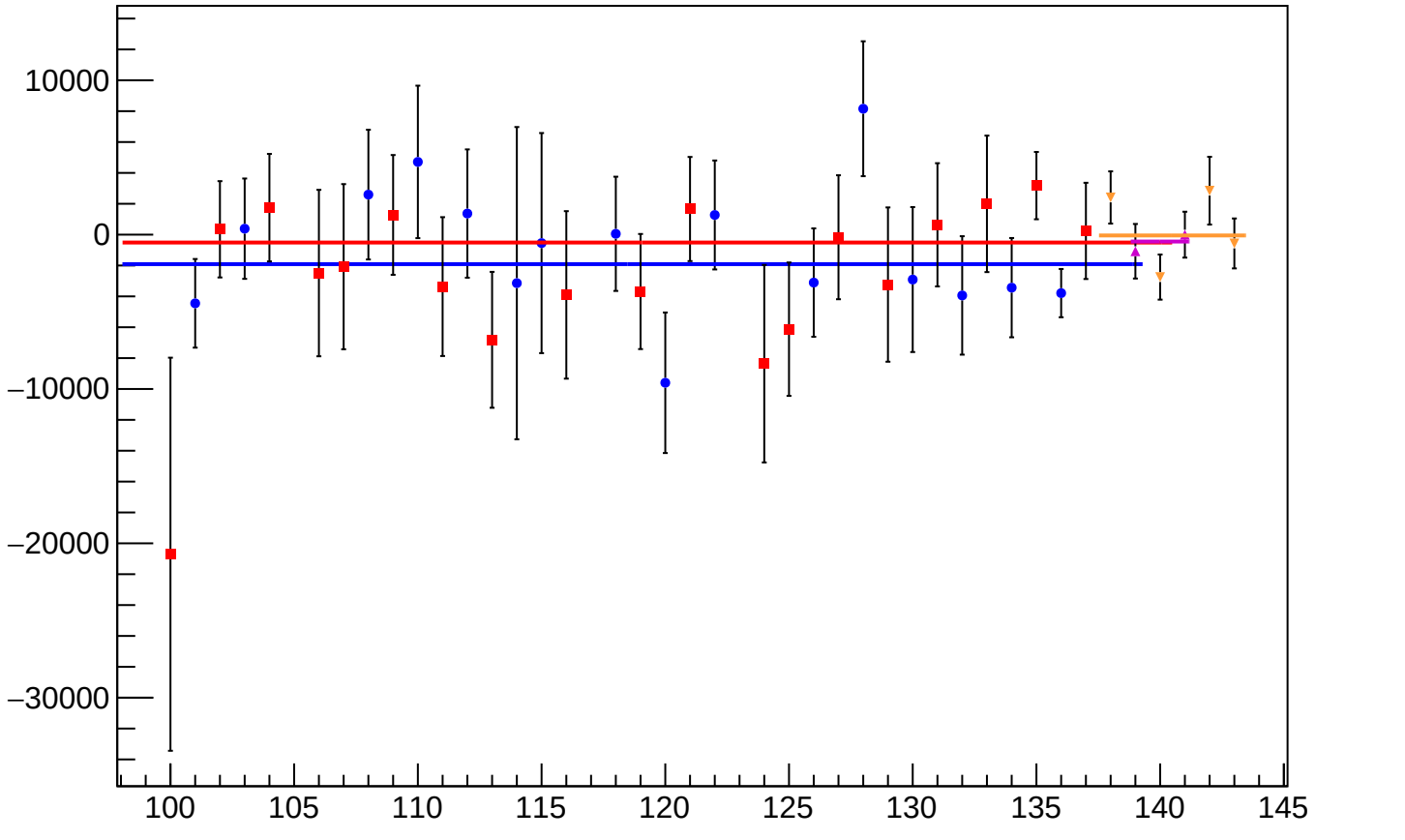
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.9/1

+ sign 194.788+/-0.044 χ^2/NDF: 222066.2/19

All: 195.605+/-0.032 χ^2/NDF: 465093.2/40

- sign 196.524+/-0.046 χ^2/NDF: 242279.7/20



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -52.471+/-842.796 χ^2/NDF:7.4/3

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

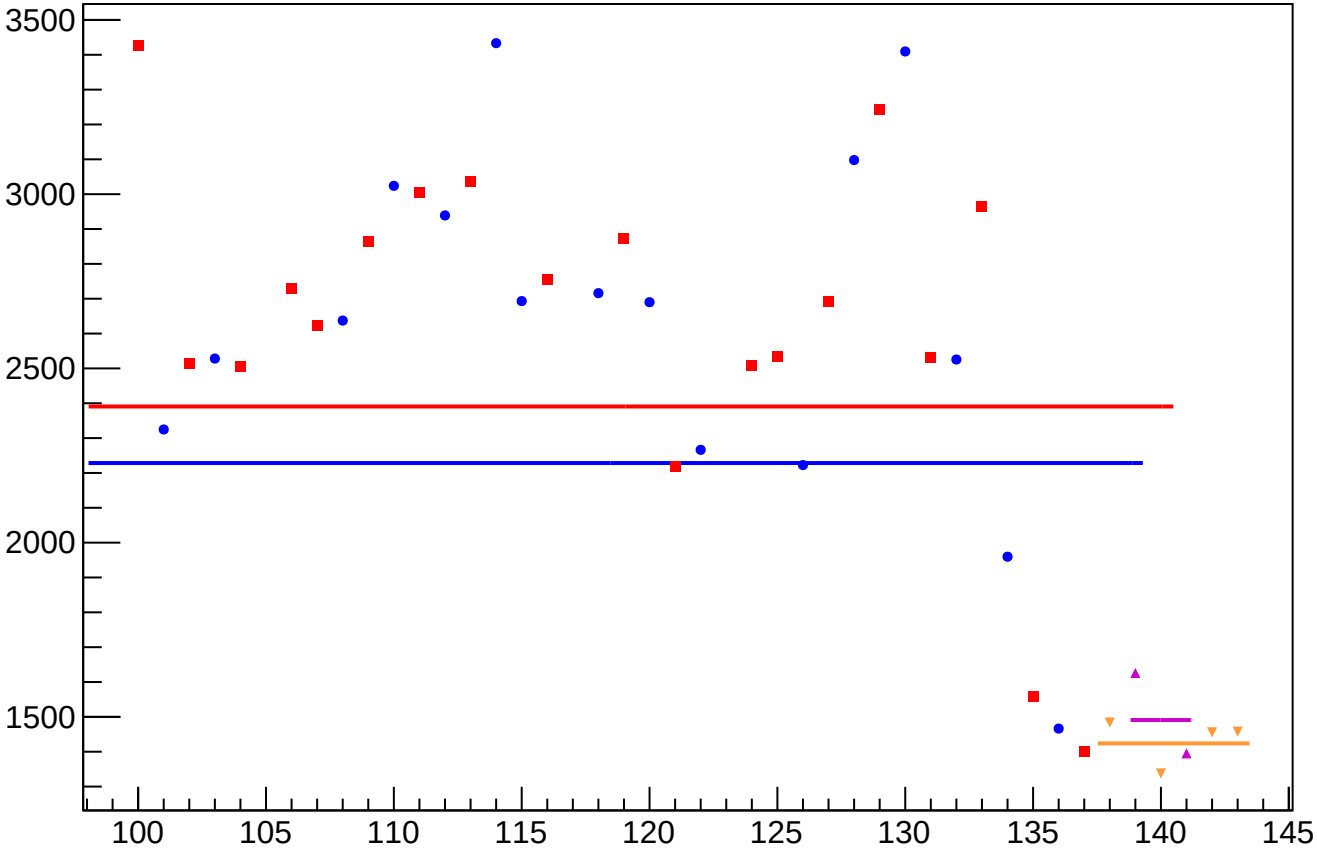
Left In: -446.907+/-1137.847 χ^2/NDF:0.2/1

+ sign -963.607+/-601.625 χ^2/NDF: 26.0/19

All: -763.148+/-458.145 χ^2/NDF: 40.8/40

- sign -486.435+/-706.852 χ^2/NDF: 14.5/20

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10749.3/3

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

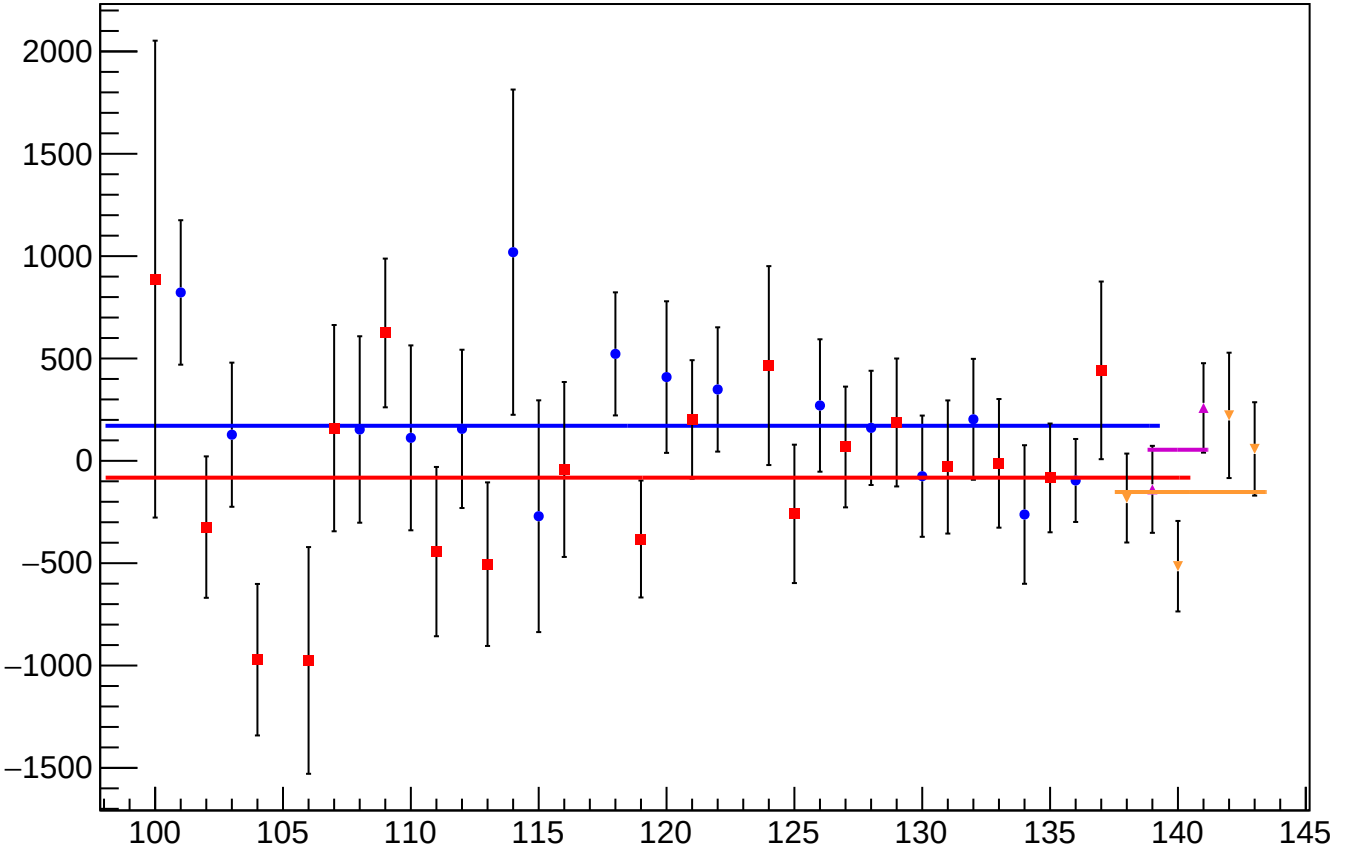
Left In: 1490.924+/-0.805 χ^2/NDF:19945.9/1

+ sign 1818.443+/-0.425 χ^2/NDF: 1852327.1/19

All: 1912.982+/-0.324 χ^2/NDF: 3547887.4/40

- sign 2043.484+/-0.500 χ^2/NDF: 1578002.6/20

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -152.265+/-118.227 χ^2/NDF:5.1/3

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

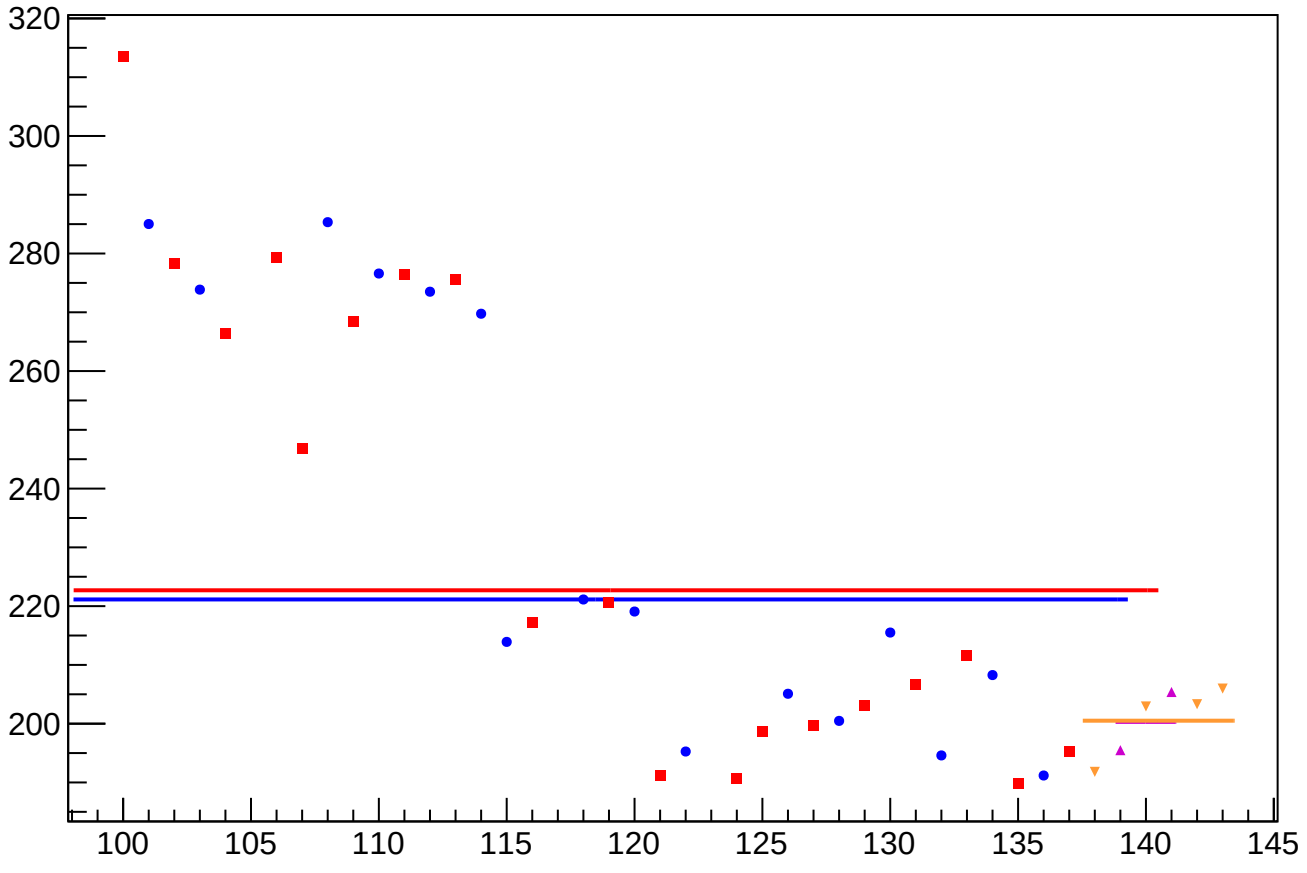
Left In: 54.146+/-152.316 χ^2/NDF:1.7/1

+ sign 64.250+/-67.995 χ^2/NDF: 21.5/19

All: 10.277+/-49.619 χ^2/NDF: 46.8/40

- sign -51.210+/-72.573 χ^2/NDF: 23.9/20

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 200.508+/-0.084 χ^2/NDF:4768.7/3

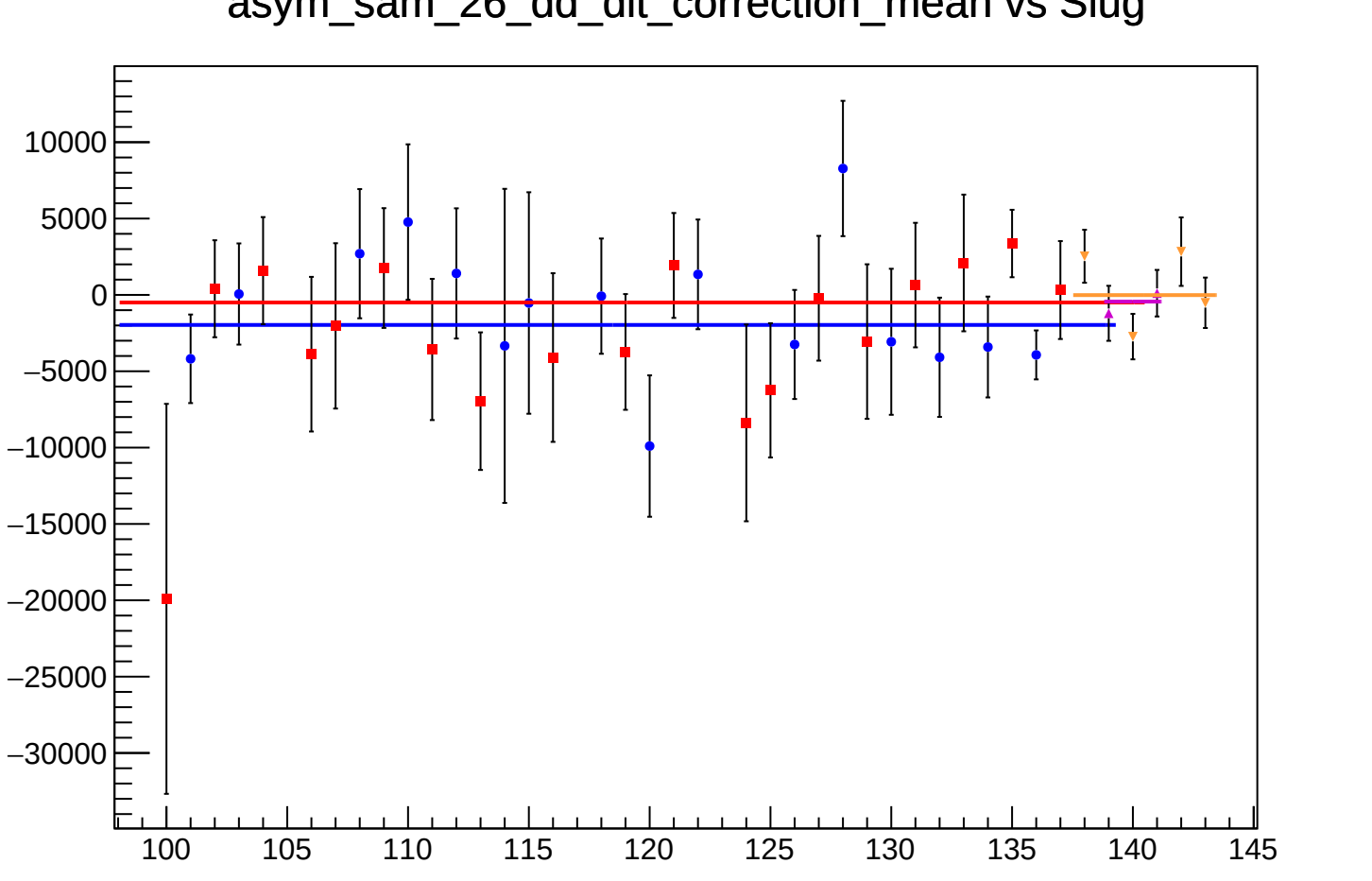
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 200.306+/-0.108 χ^2/NDF:2110.1/1

+ sign 214.315+/-0.048 χ^2/NDF: 364230.2/19

All: 215.857+/-0.035 χ^2/NDF: 728984.1/40

- sign 217.614+/-0.051 χ^2/NDF: 362553.1/20



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -12.976+/-860.831 χ^2/NDF:7.2/3

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

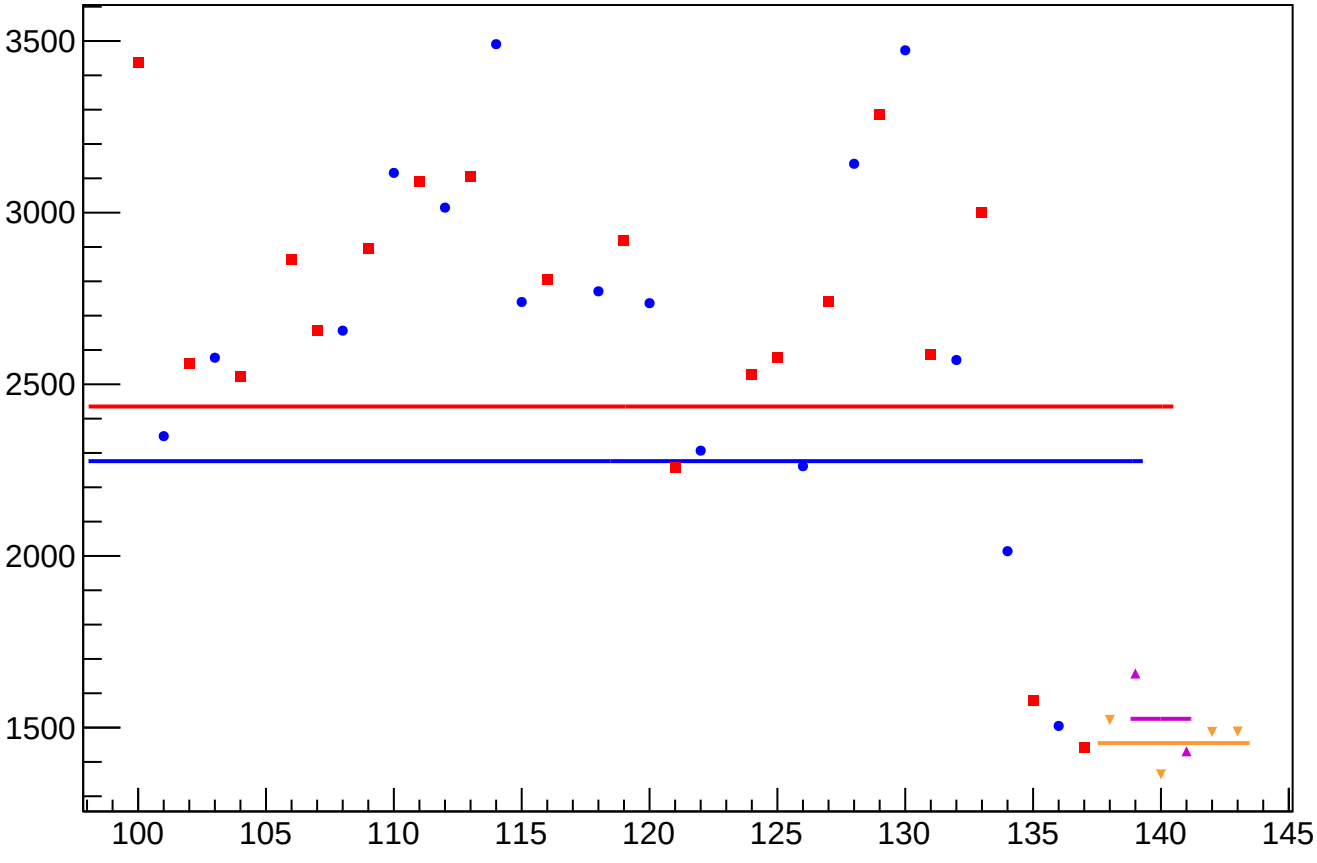
Left In: -437.966+/-1163.882 χ^2/NDF:0.3/1

+ sign -972.447+/-614.202 χ^2/NDF: 25.9/19

All: -762.500+/-467.062 χ^2/NDF: 41.2/40

- sign -474.632+/-719.208 χ^2/NDF: 15.1/20

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1454.816+/-0.609 χ^2/NDF:11783.5/3

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

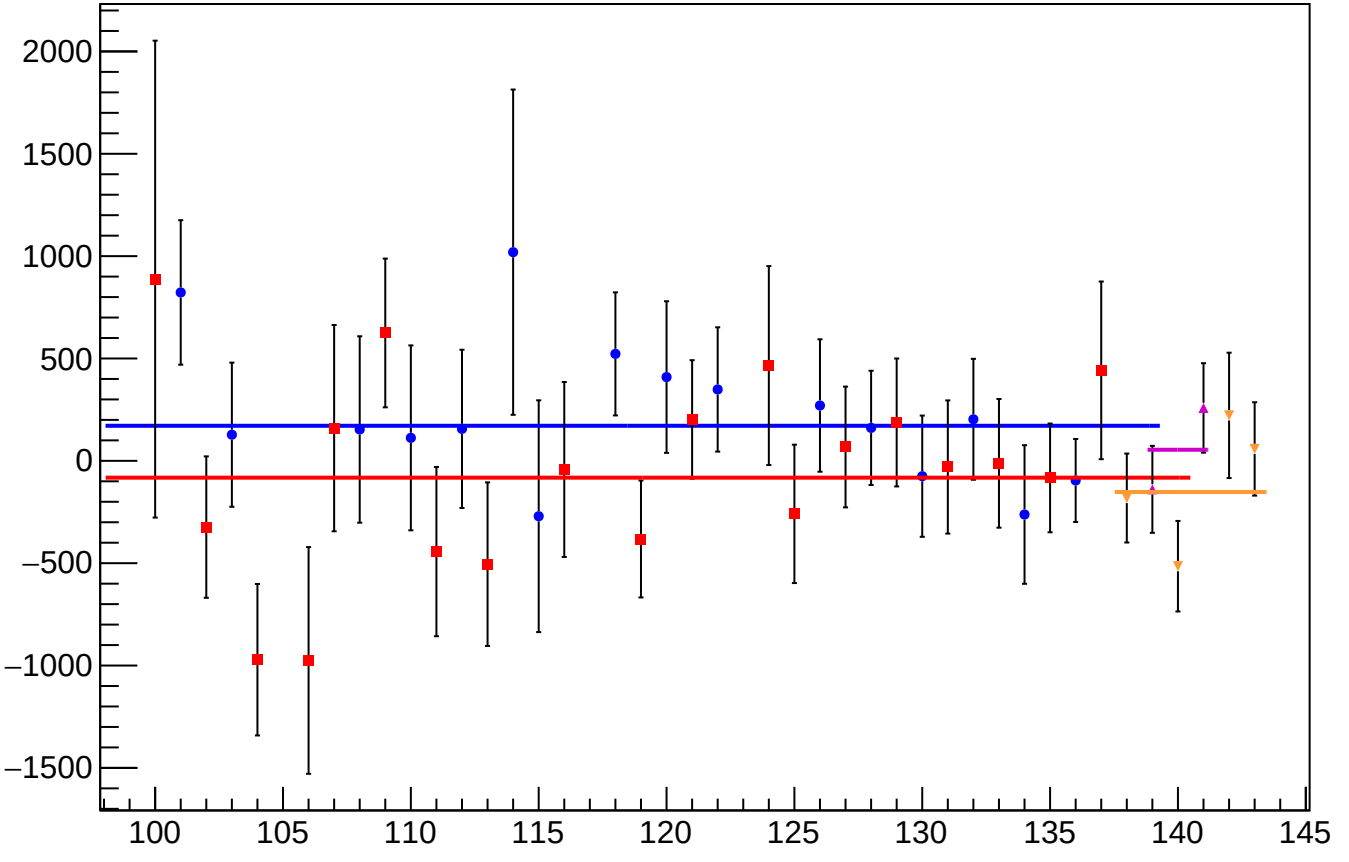
Left In: 1525.594+/-0.823 χ^2/NDF:18429.3/1

+ sign 1858.017+/-0.434 χ^2/NDF: 1832539.1/19

All: 1954.994+/-0.330 χ^2/NDF: 3516080.8/40

- sign 2087.964+/-0.509 χ^2/NDF: 1565318.1/20

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -152.270+/-118.227 χ^2/NDF:5.1/3

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

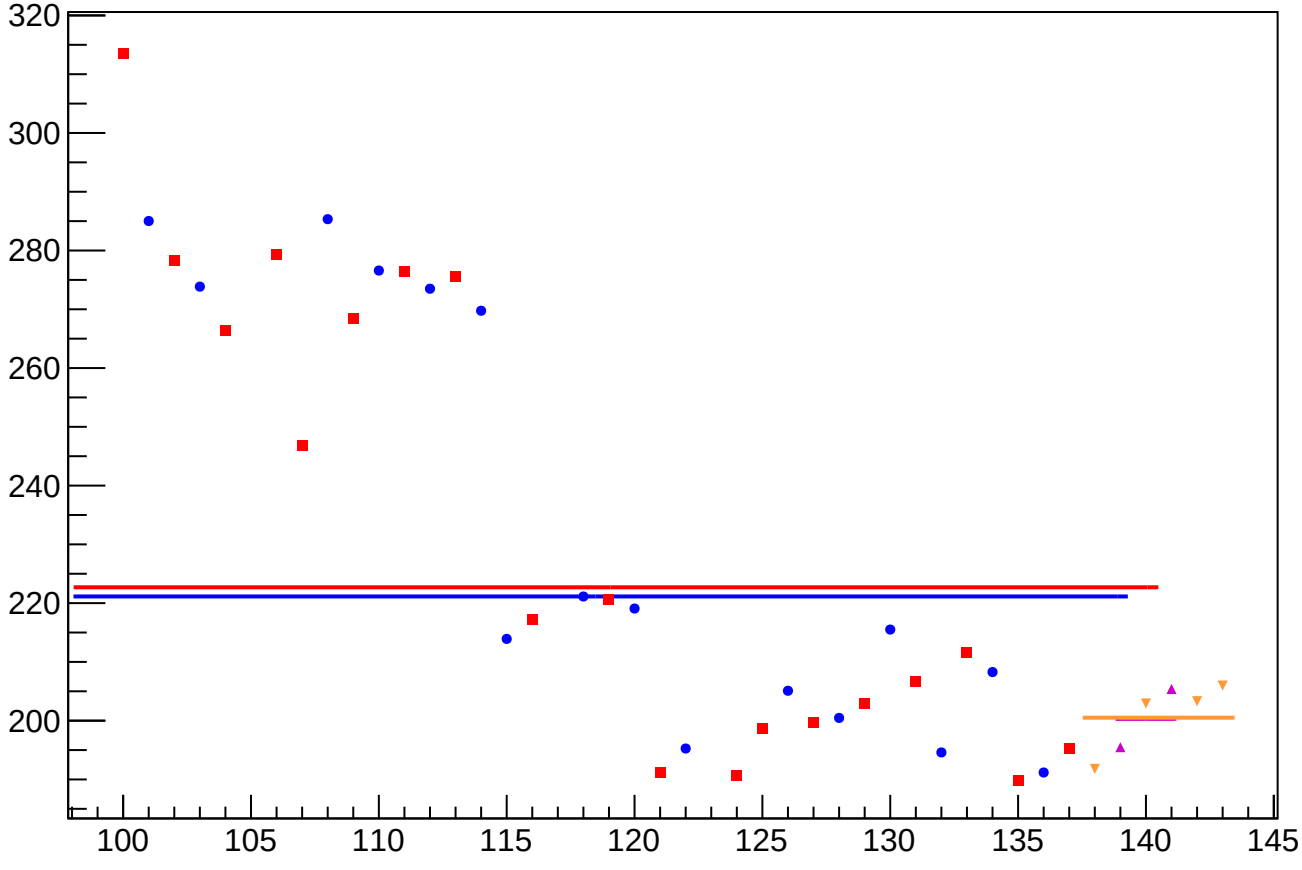
Left In: 54.146+/-152.316 χ^2/NDF:1.7/1

+ sign 64.250+/-67.994 χ^2/NDF: 21.5/19

All: 10.277+/-49.619 χ^2/NDF: 46.8/40

- sign -51.209+/-72.573 χ^2/NDF: 23.9/20

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 200.508+/-0.084 χ^2/NDF:4768.9/3

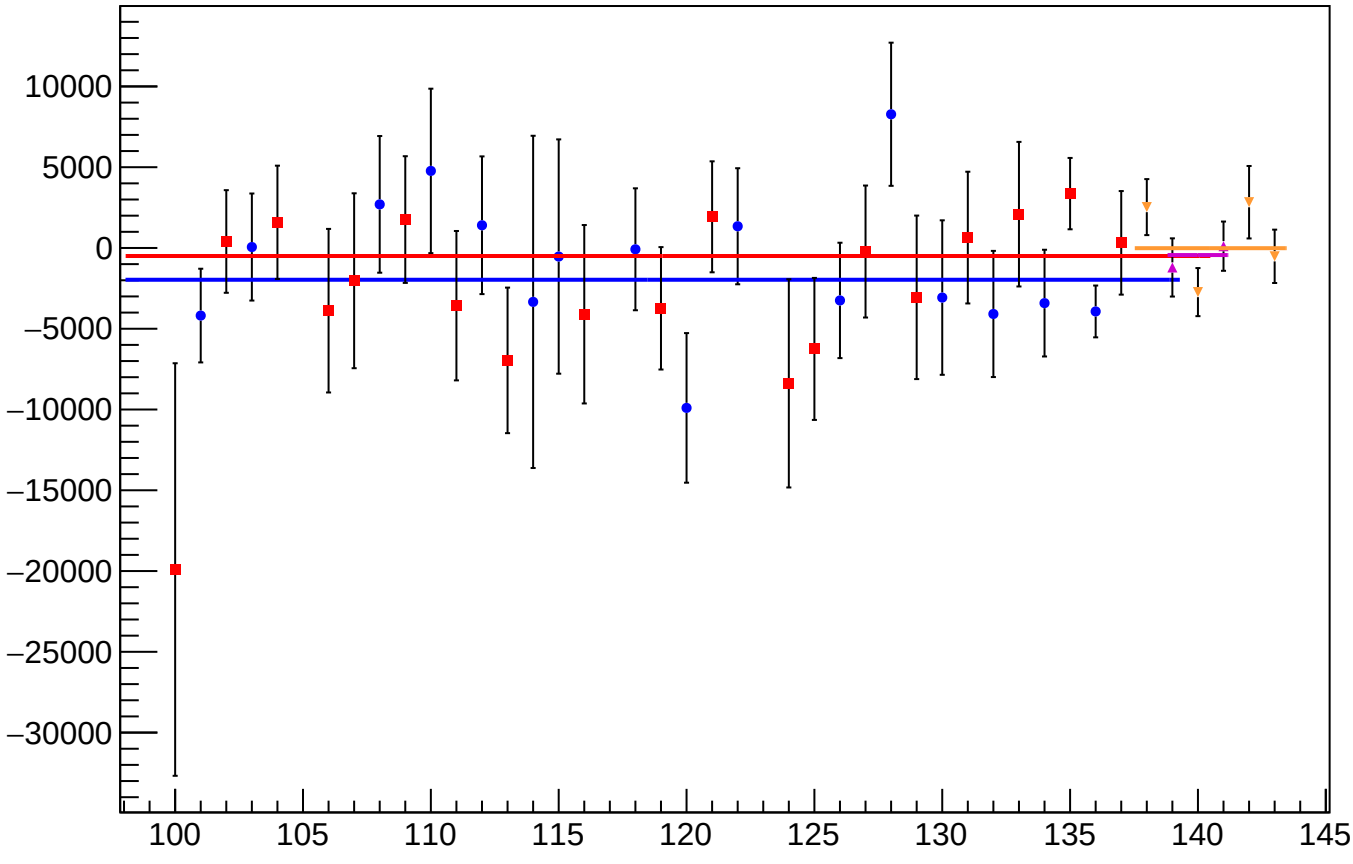
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 200.305+/-0.108 χ^2/NDF:2110.3/1

+ sign 214.314+/-0.048 χ^2/NDF: 364221.6/19

All: 215.856+/-0.035 χ^2/NDF: 728967.2/40

- sign 217.613+/-0.051 χ^2/NDF: 362544.7/20



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -12.979+/-860.830 χ^2/NDF:7.2/3

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

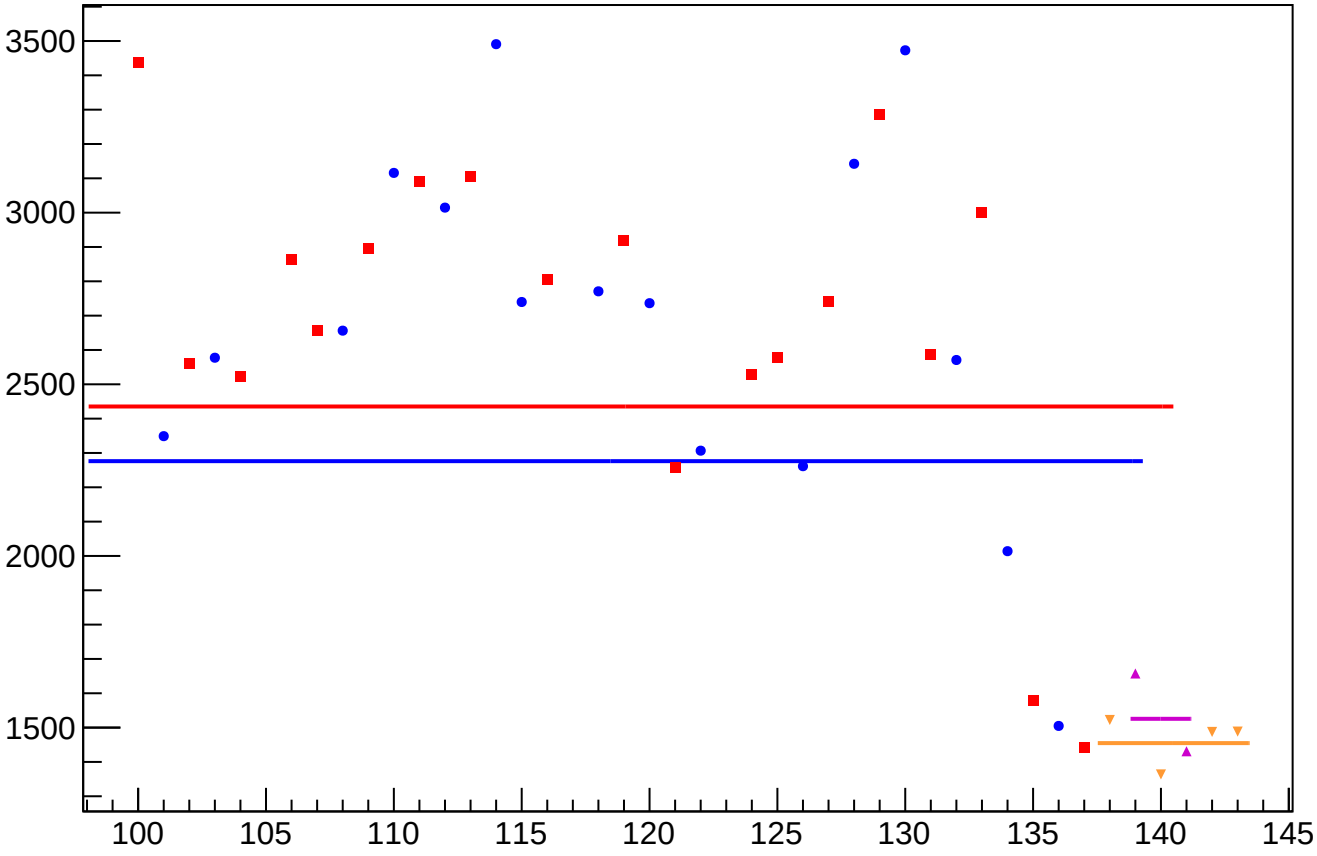
Left In: -437.967+/-1163.881 χ^2/NDF:0.3/1

+ sign -972.447+/-614.201 χ^2/NDF: 25.9/19

All: -762.501+/-467.061 χ^2/NDF: 41.2/40

- sign -474.633+/-719.206 χ^2/NDF: 15.1/20

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1454.816+/-0.609 χ^2/NDF:11783.3/3

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

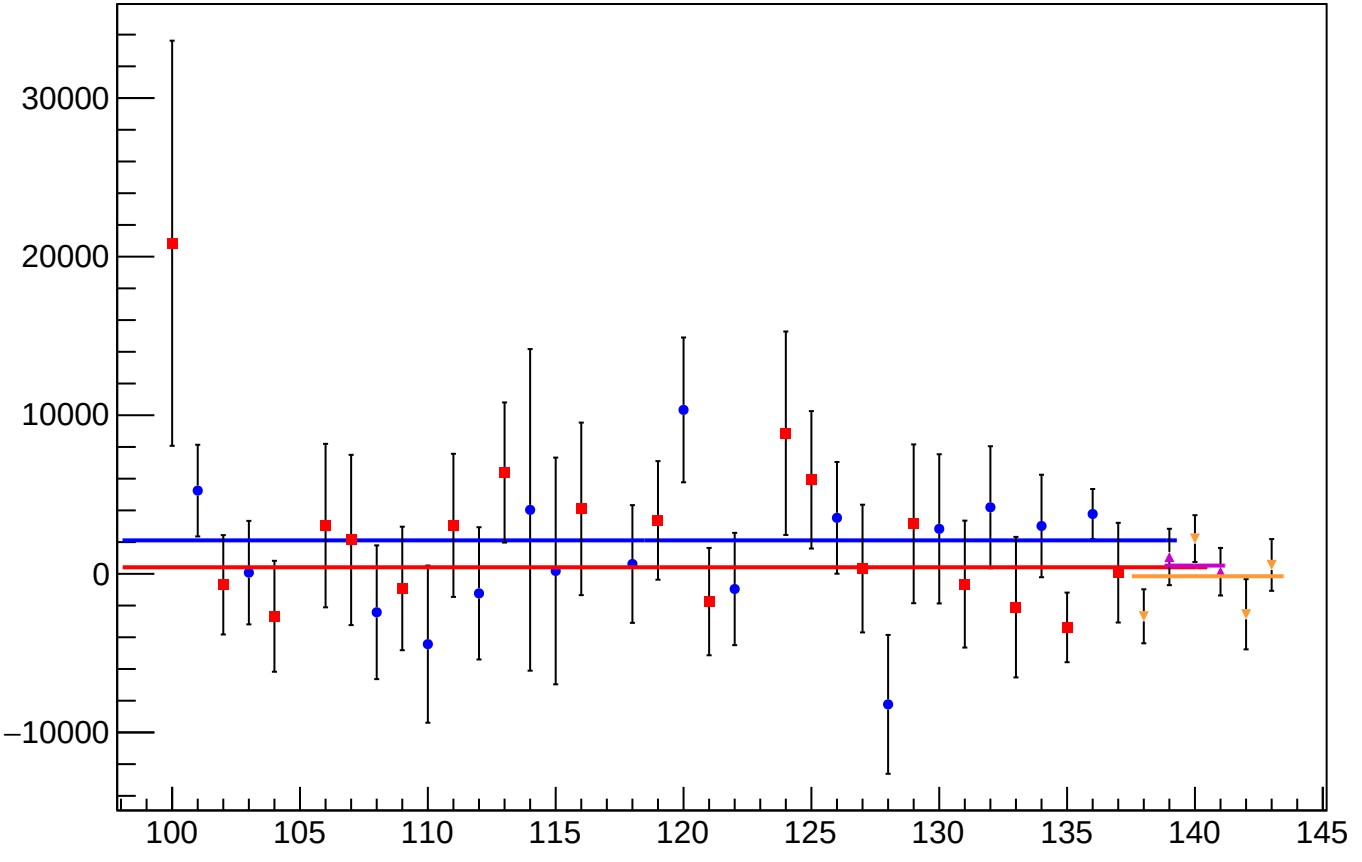
Left In: 1525.592+/-0.823 χ^2/NDF:18428.8/1

+ sign 1858.016+/-0.434 χ^2/NDF: 1832526.4/19

All: 1954.992+/-0.330 χ^2/NDF: 3516058.5/40

- sign 2087.962+/-0.509 χ^2/NDF: 1565309.7/20

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: -152.669+/-850.027 χ^2/NDF:6.2/3

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

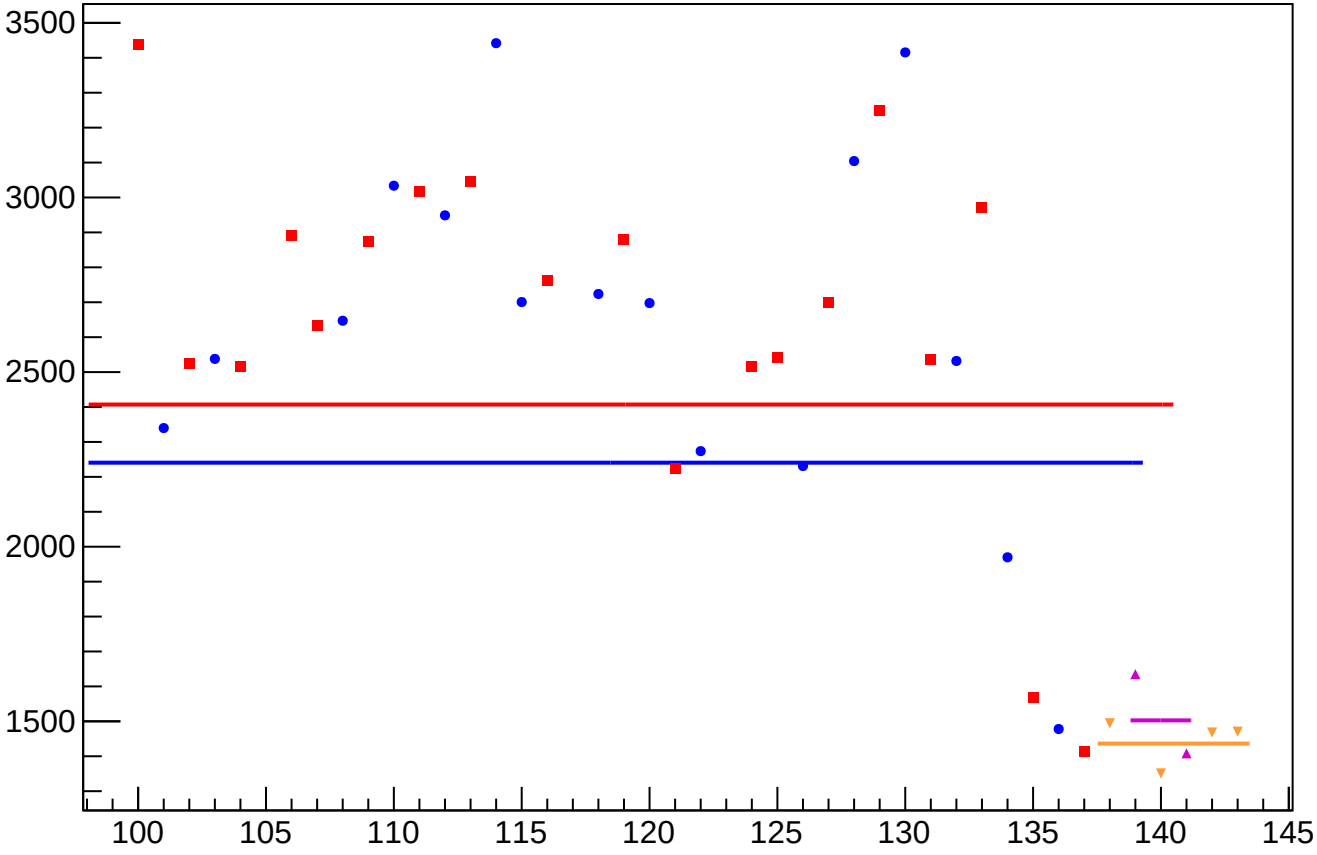
Left In: 520.206+/-1146.641 χ^2/NDF:0.2/1

+ sign 960.921+/-605.695 χ^2/NDF: 26.3/19

All: 747.768+/-460.829 χ^2/NDF: 41.4/40

- sign 454.791+/-710.108 χ^2/NDF: 14.8/20

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1436.275+/-0.601 χ^2/NDF:10321.5/3

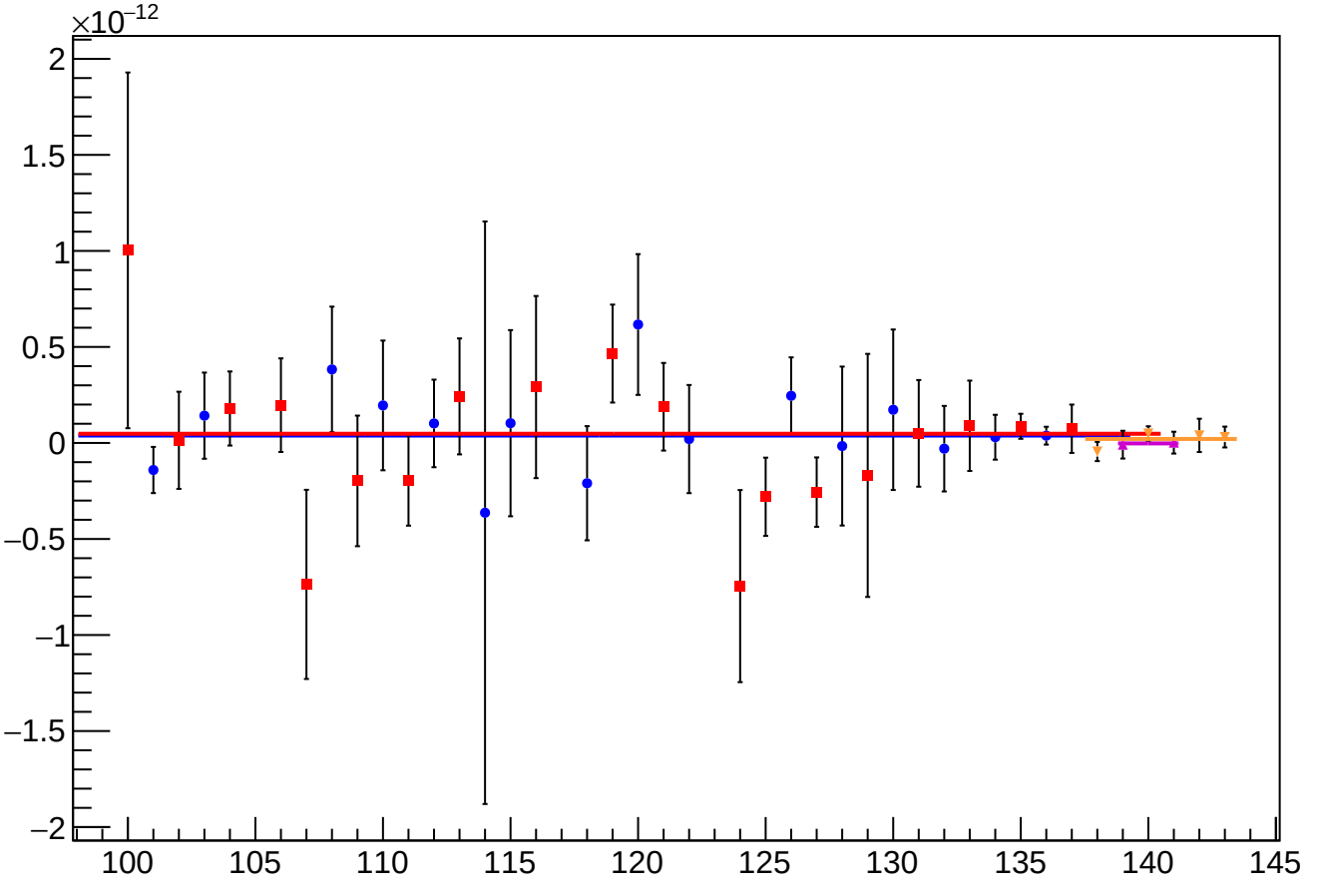
Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1502.719+/-0.811 χ^2/NDF:19000.6/1

+ sign 1832.224+/-0.428 χ^2/NDF: 1825468.3/19

All: 1928.260+/-0.326 χ^2/NDF: 3519871.8/40

- sign 2060.261+/-0.502 χ^2/NDF: 1575014.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/3

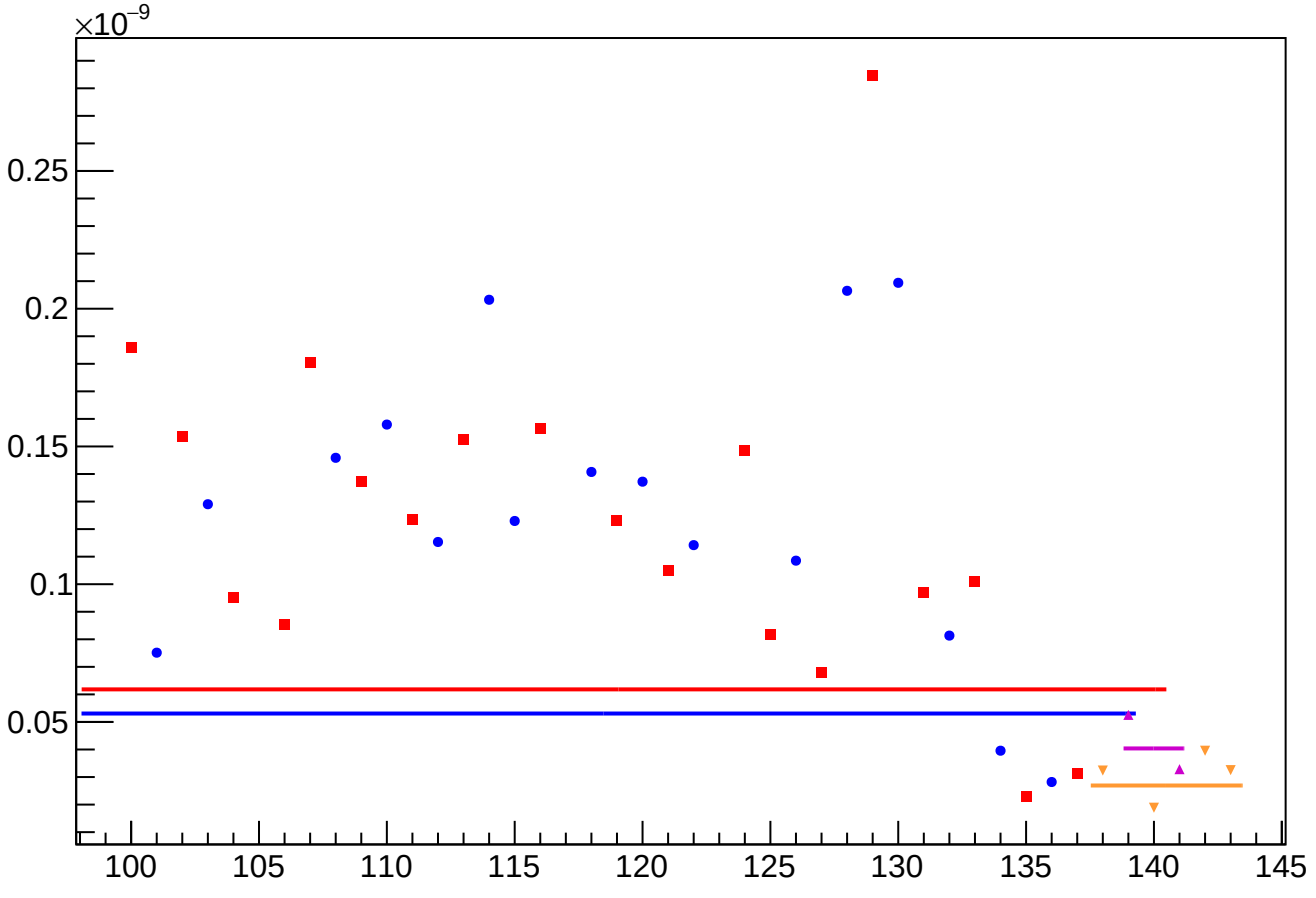
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 10.9/19

All: 0.000+/-0.000 χ^2/NDF: 29.8/40

- sign 0.000+/-0.000 χ^2/NDF: 18.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:179900.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

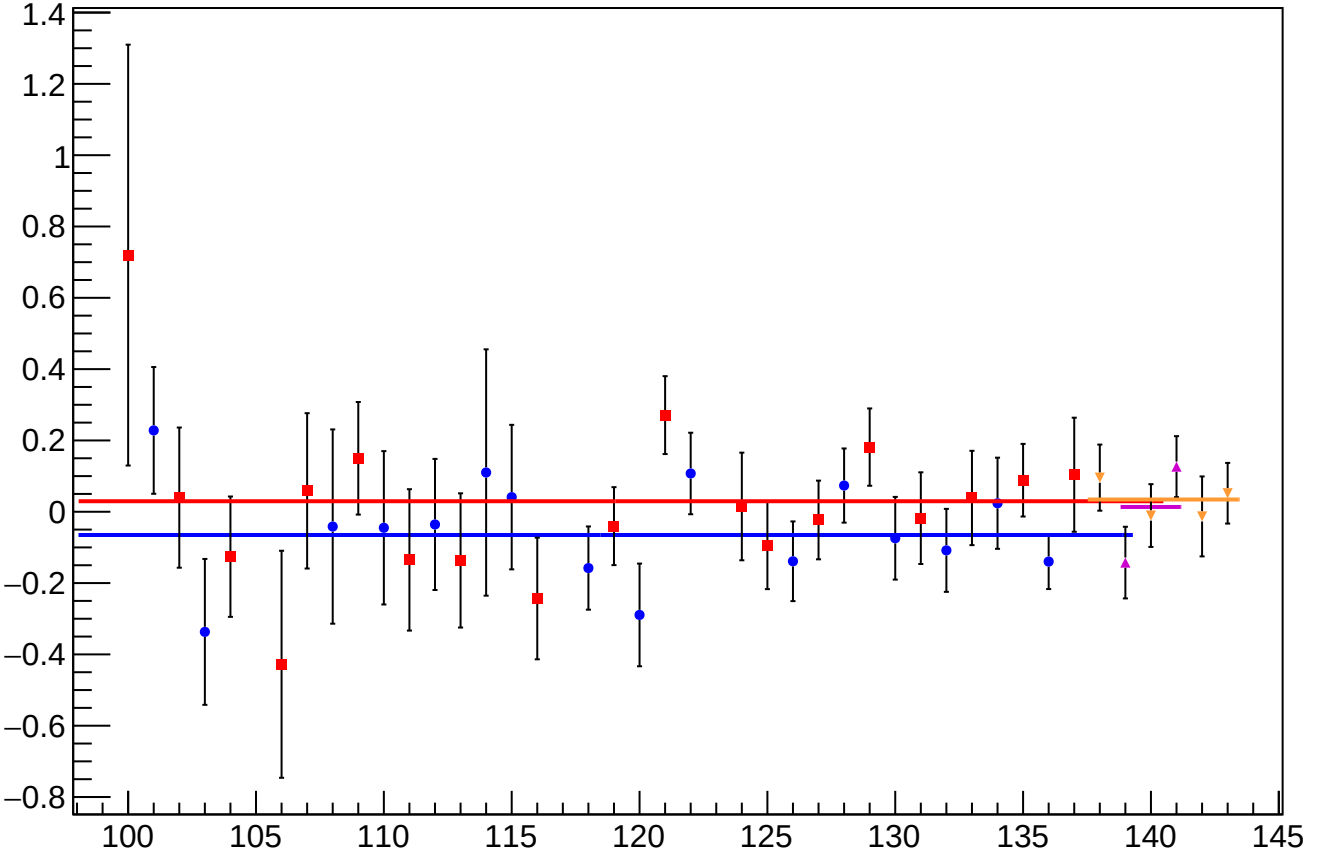
Left In: 0.000+/-0.000 χ^2/NDF:91801.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 3455618.3/19

All: 0.000+/-0.000 χ^2/NDF: 6570692.7/40

- sign 0.000+/-0.000 χ^2/NDF: 2745323.4/20

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: 0.034+/-0.046 χ^2/NDF:0.9/3

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

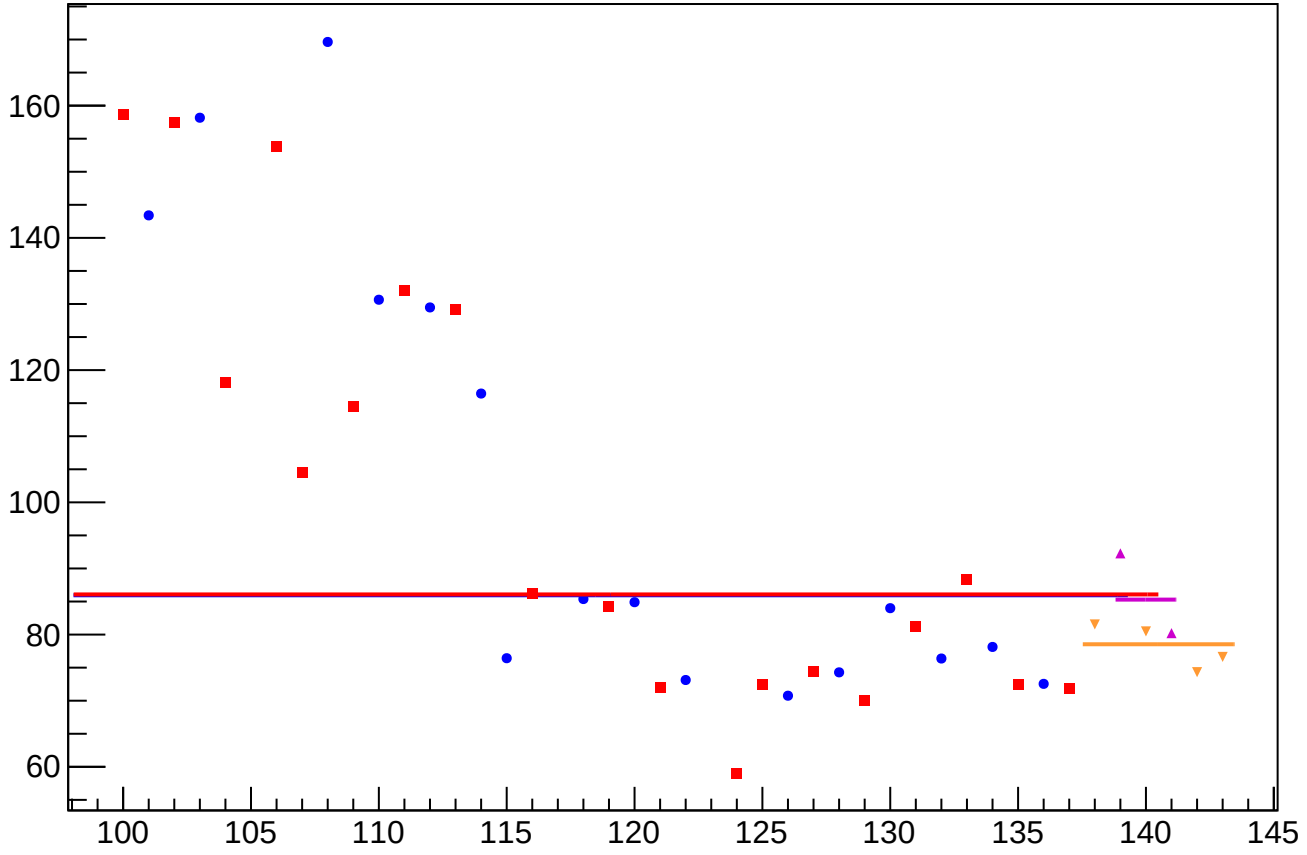
Left In: 0.013+/-0.065 χ^2/NDF:4.2/1

+ sign -0.031+/-0.027 χ^2/NDF: 18.1/19

All: -0.005+/-0.020 χ^2/NDF: 42.5/40

- sign 0.026+/-0.029 χ^2/NDF: 22.3/20

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: 78.537+/-0.033 χ^2/NDF:6915.9/3

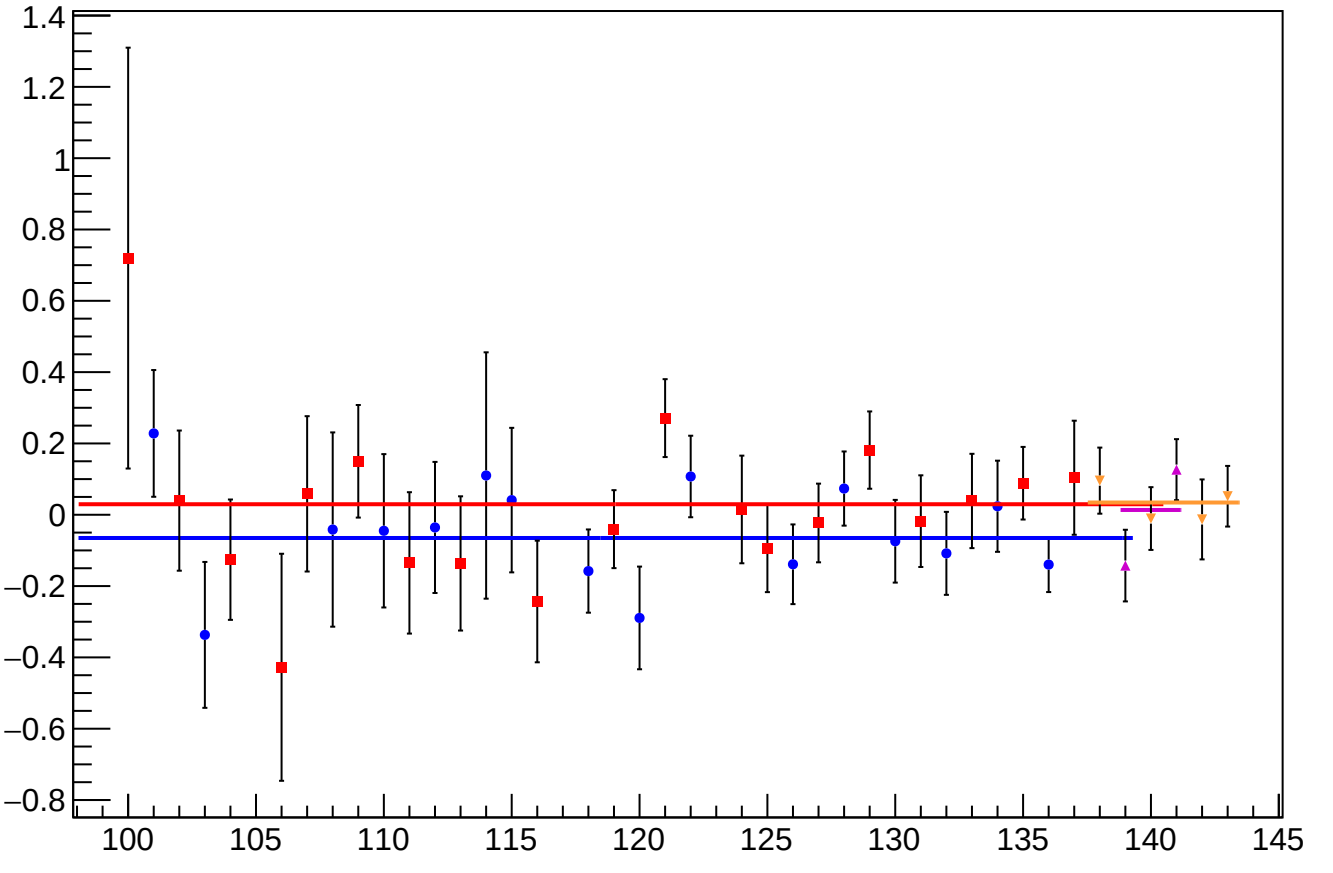
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.290+/-0.046 χ^2/NDF:16726.1/1

+ sign 83.430+/-0.019 χ^2/NDF: 1075513.1/19

All: 84.569+/-0.014 χ^2/NDF: 2091555.9/40

- sign 85.913+/-0.021 χ^2/NDF: 1008327.5/20



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.034+/-0.046 χ^2/NDF:0.9/3

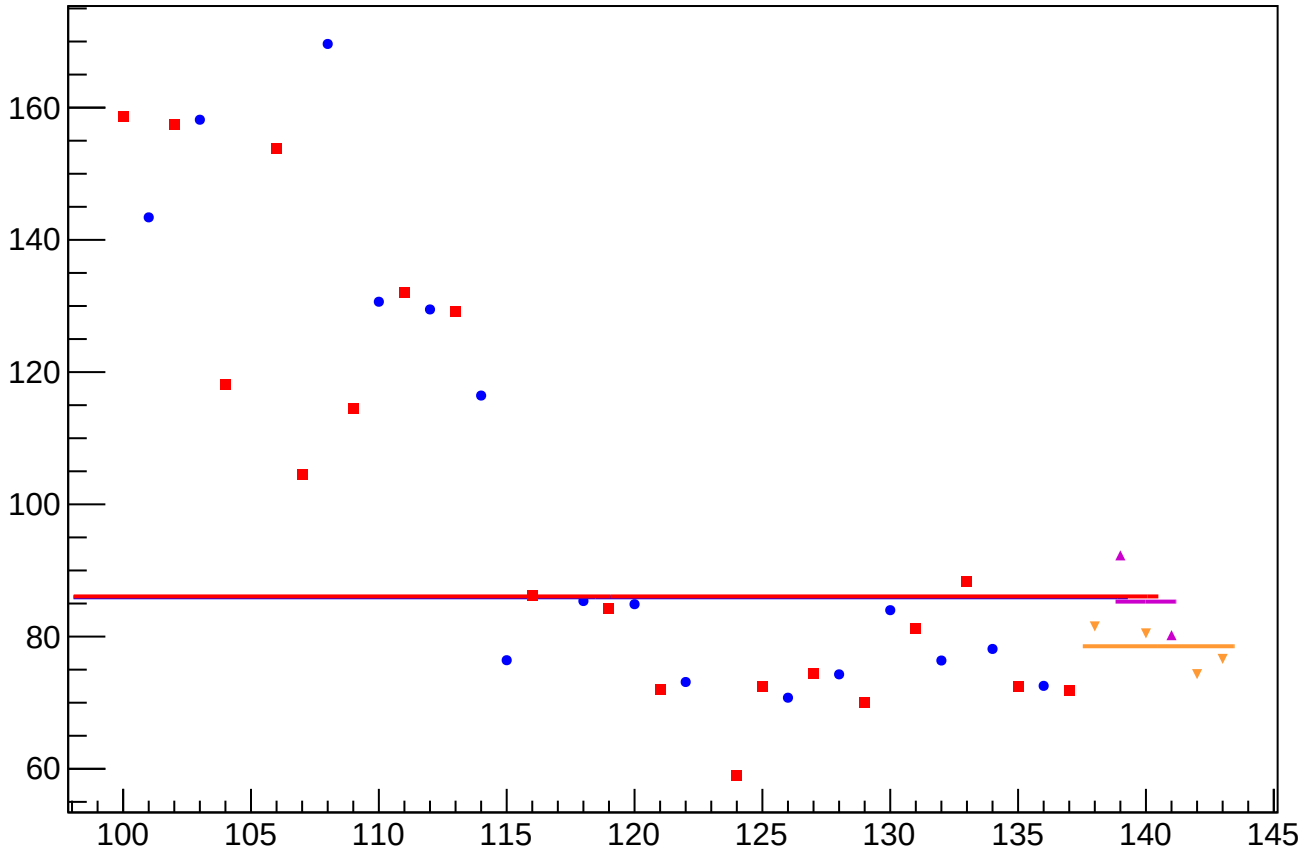
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.013+/-0.065 χ^2/NDF:4.2/1

+ sign -0.031+/-0.027 χ^2/NDF: 18.1/19

All: -0.005+/-0.020 χ^2/NDF: 42.5/40

- sign 0.026+/-0.029 χ^2/NDF: 22.3/20



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.537+/-0.033 χ^2/NDF:6915.9/3

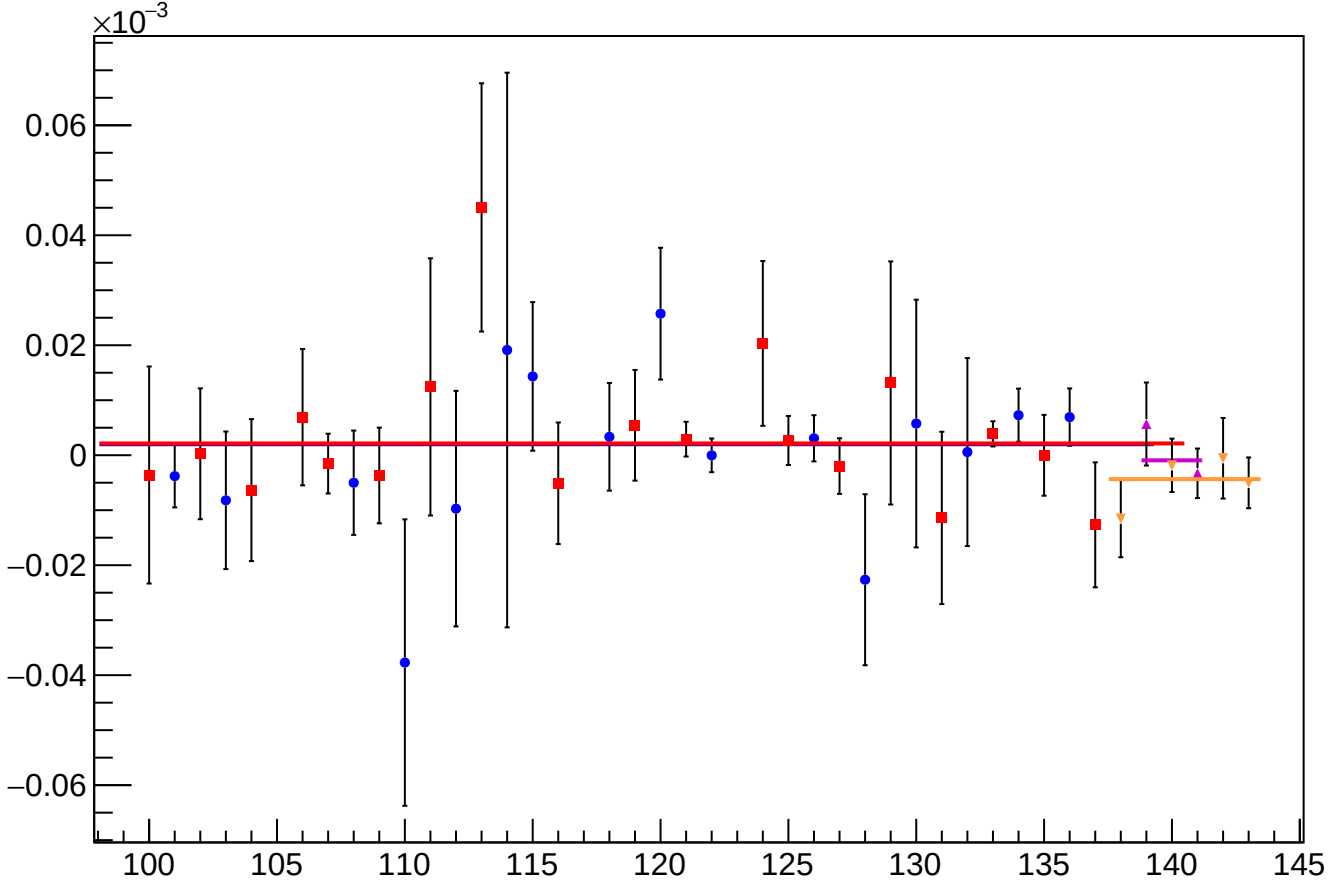
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.290+/-0.046 χ^2/NDF:16726.1/1

+ sign 83.430+/-0.019 χ^2/NDF: 1075513.1/19

All: 84.569+/-0.014 χ^2/NDF: 2091555.9/40

- sign 85.913+/-0.021 χ^2/NDF: 1008327.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/3

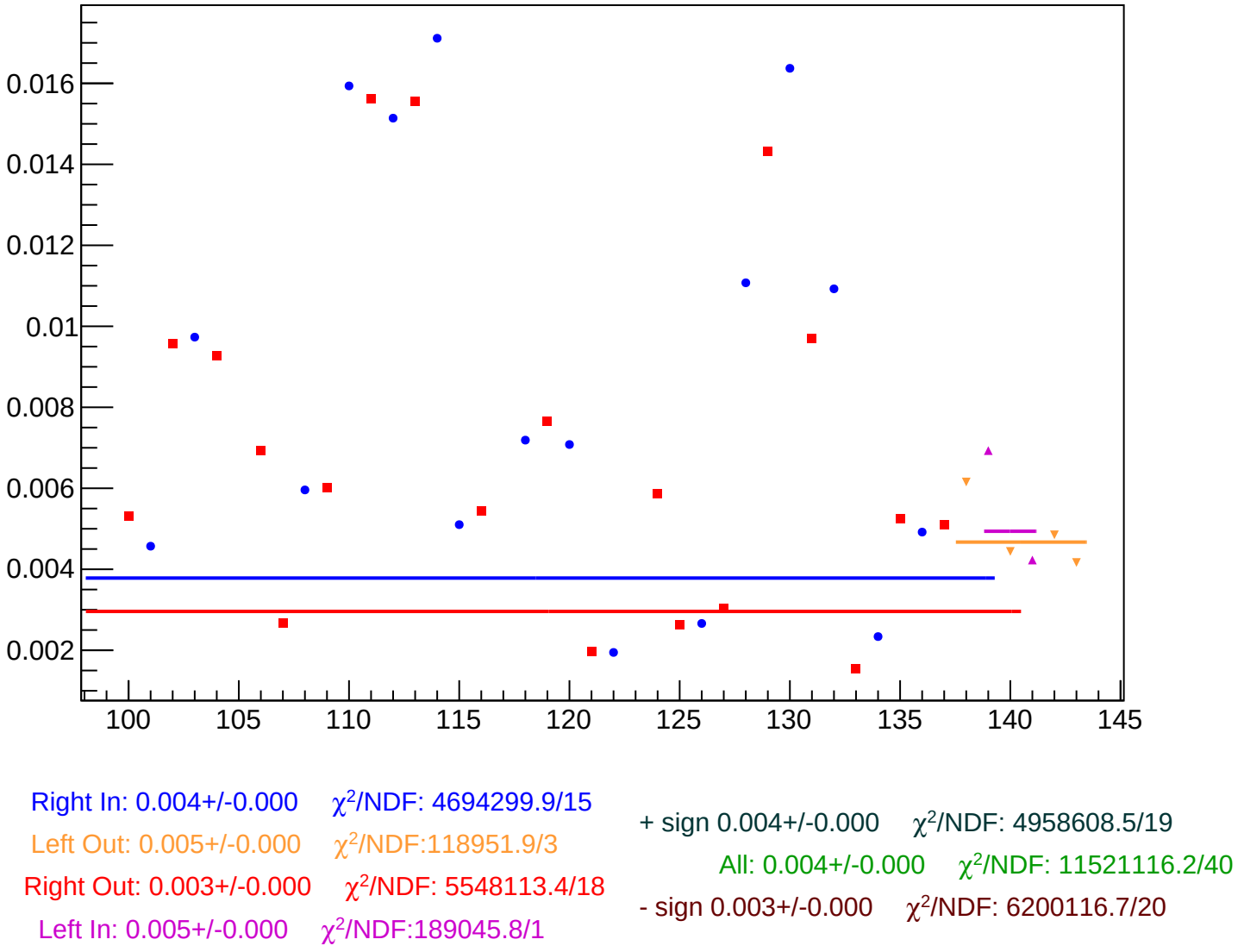
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

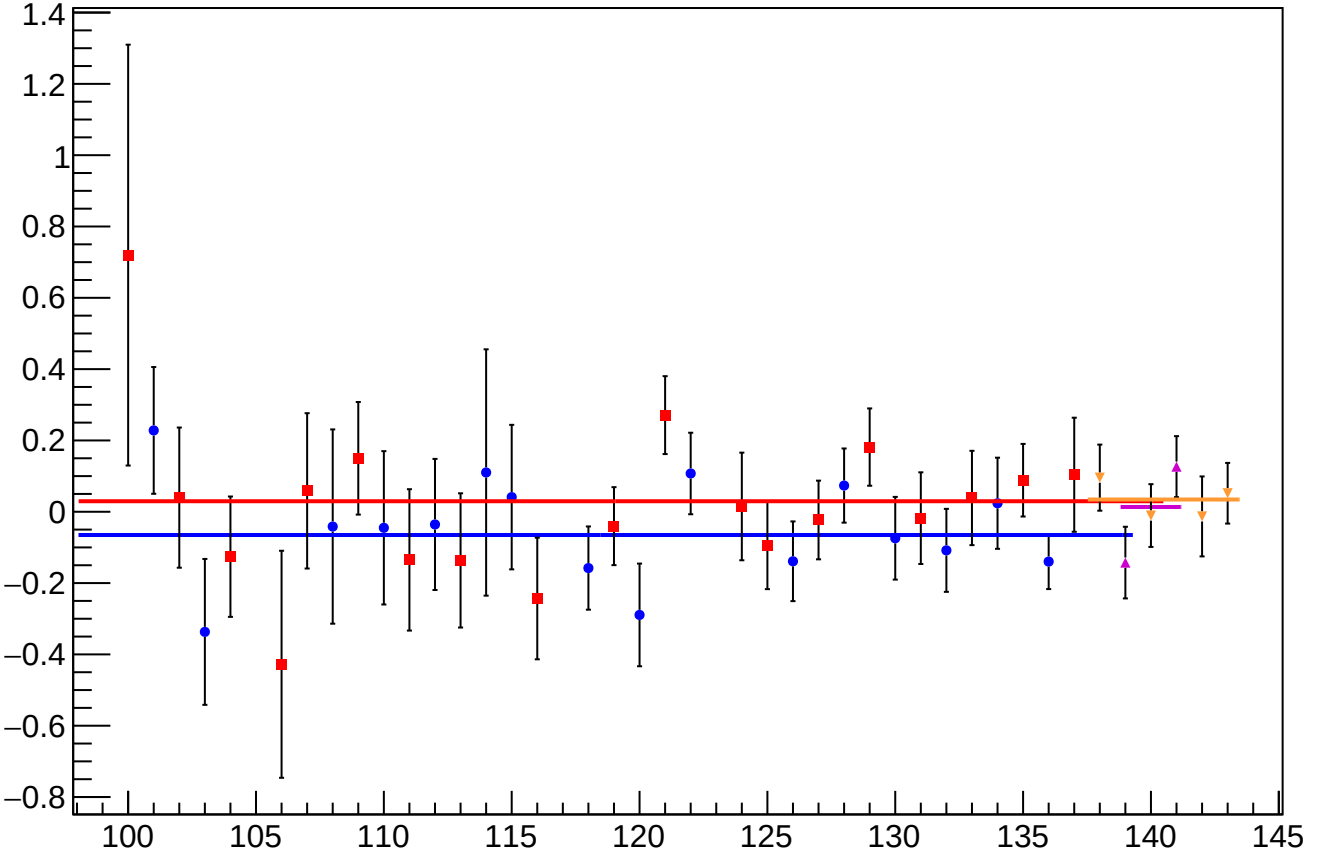
+ sign 0.000+/-0.000 χ^2/NDF: 20.2/19

All: 0.000+/-0.000 χ^2/NDF: 34.0/40

- sign 0.000+/-0.000 χ^2/NDF: 13.1/20


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
140
145
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:118951.9/3
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.005+/-0.000 χ²/NDF:189045.8/1
+ sign 0.004+/-0.000 χ²/NDF: 4958608.5/19
All: 0.004+/-0.000 χ²/NDF: 11521116.2/40
- sign 0.003+/-0.000 χ²/NDF: 6200116.7/20

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: 0.034+/-0.046 χ^2/NDF:0.9/3

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

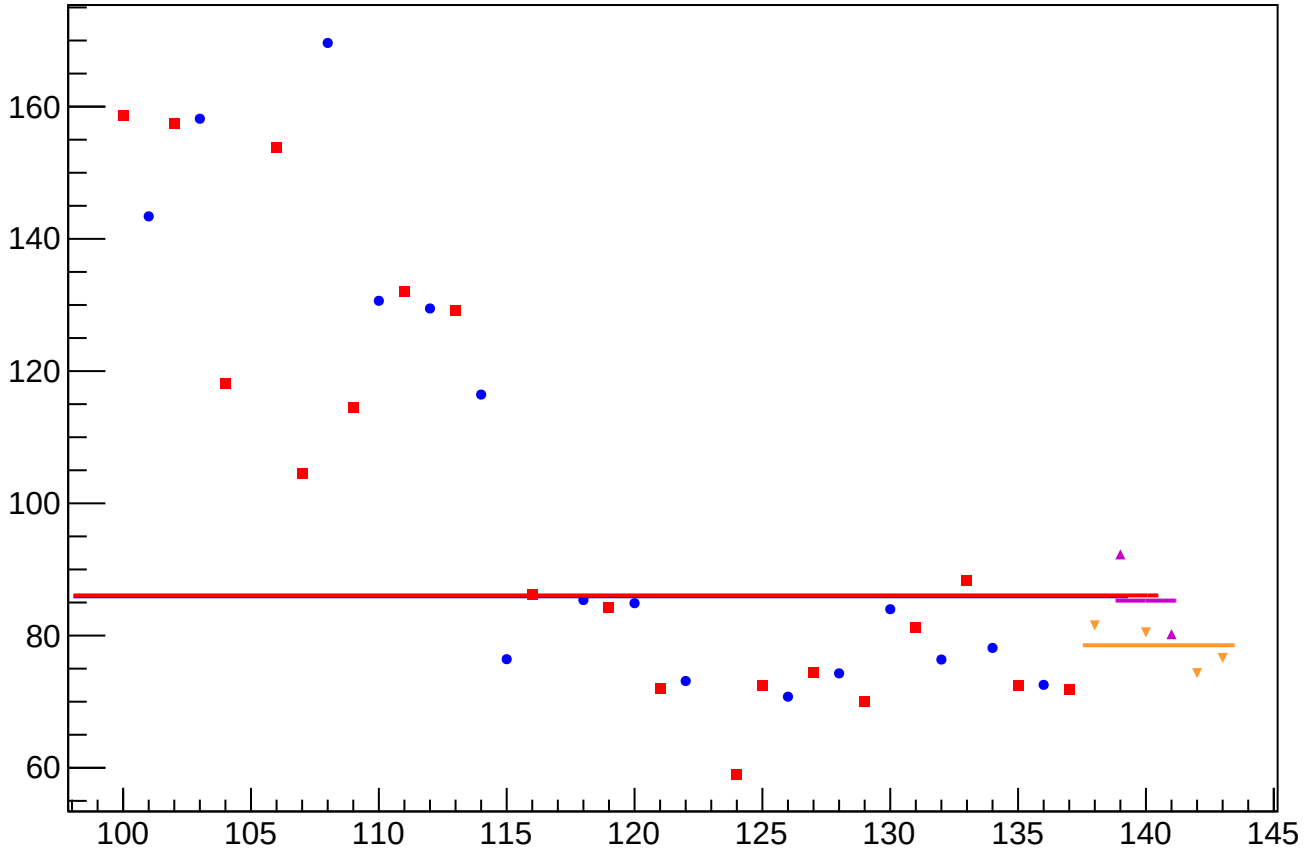
Left In: 0.013+/-0.065 χ^2/NDF:4.2/1

\+ sign -0.031+/-0.027 χ^2/NDF: 18.1/19

All: -0.005+/-0.020 χ^2/NDF: 42.5/40

\- sign 0.026+/-0.029 χ^2/NDF: 22.3/20

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.536+/-0.033 χ^2/NDF:6914.0/3

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

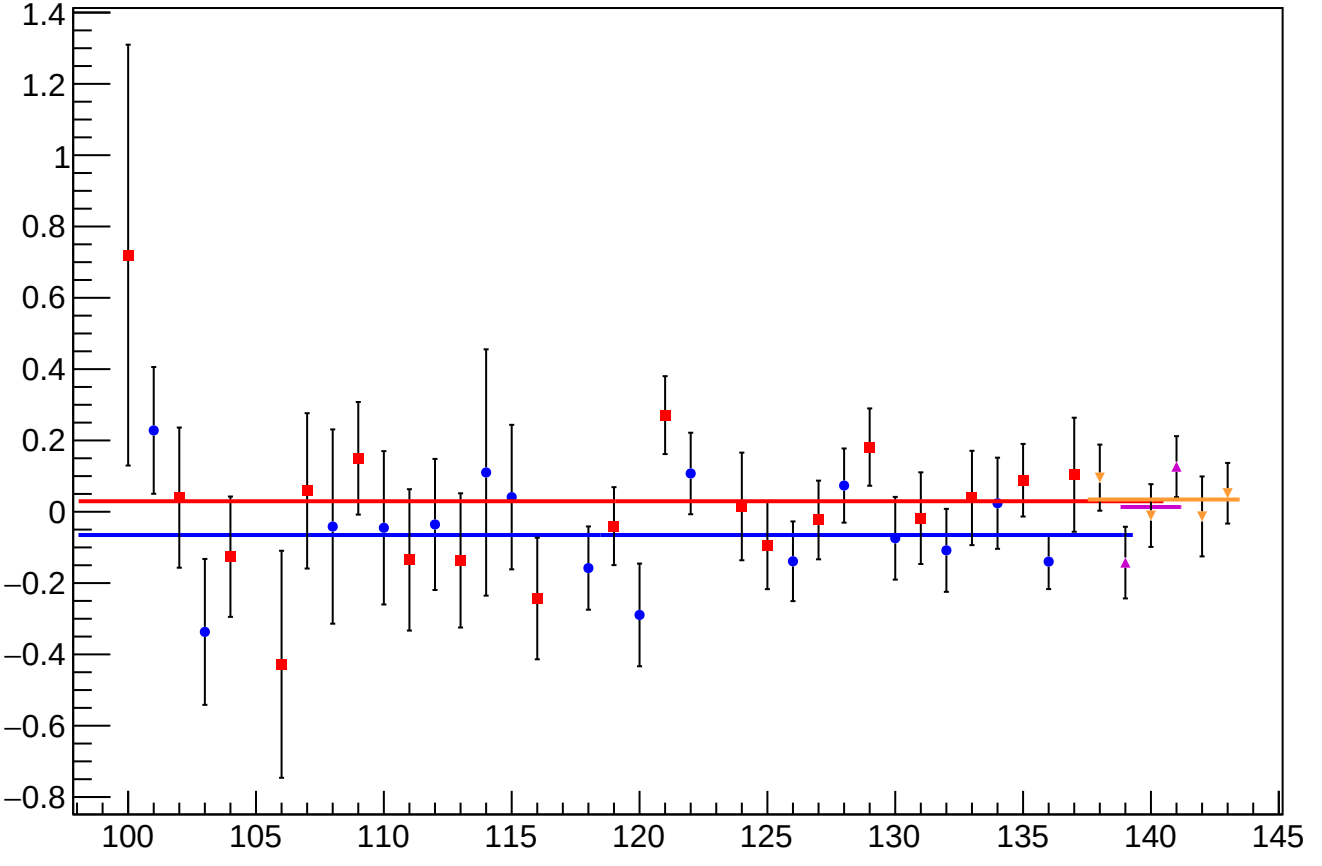
Left In: 85.289+/-0.046 χ^2/NDF:16724.0/1

+ sign 83.429+/-0.019 χ^2/NDF: 1075475.3/19

All: 84.567+/-0.014 χ^2/NDF: 2091508.5/40

- sign 85.911+/-0.021 χ^2/NDF: 1008318.4/20

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.034+/-0.046 χ^2/NDF:0.9/3

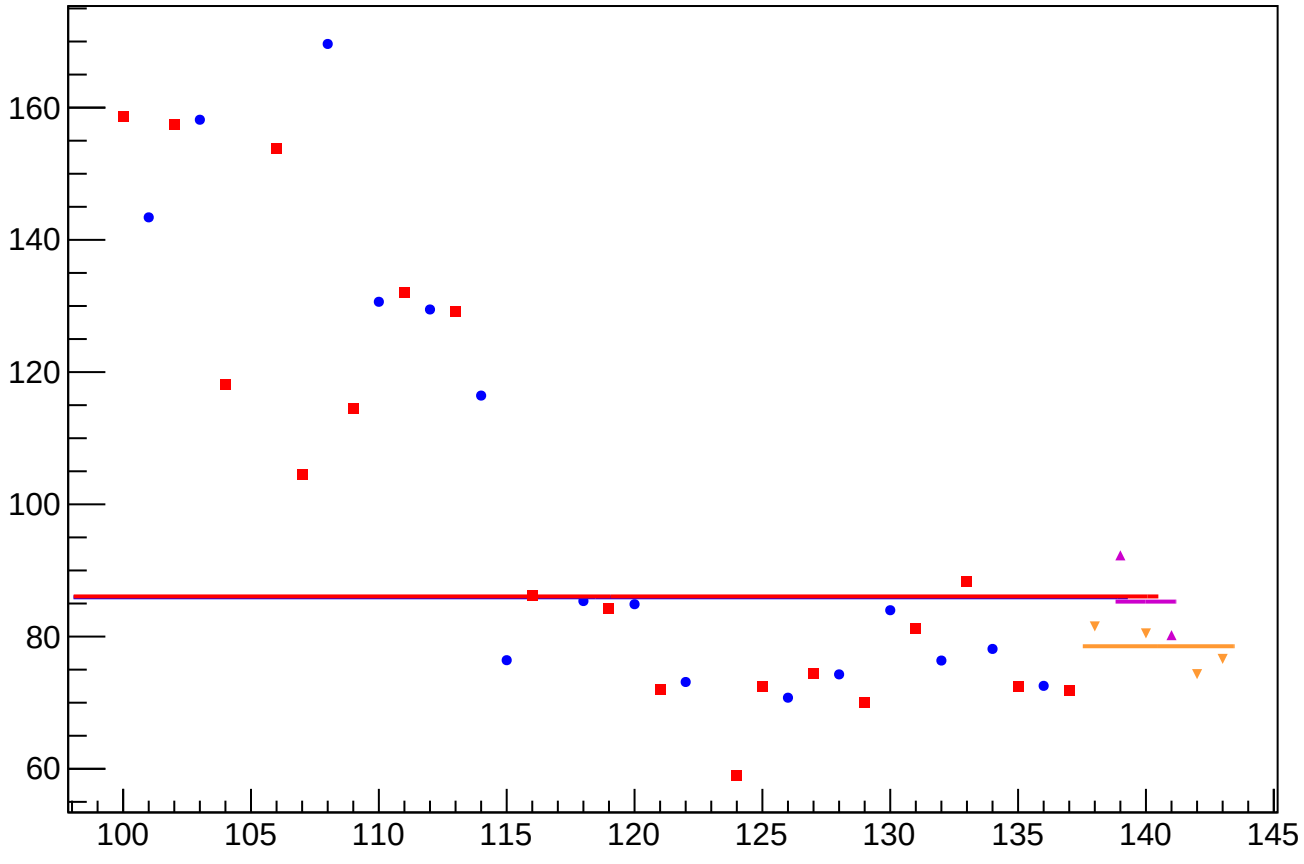
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.013+/-0.065 χ^2/NDF:4.2/1

+ sign -0.031+/-0.027 χ^2/NDF: 18.1/19

All: -0.005+/-0.020 χ^2/NDF: 42.5/40

- sign 0.026+/-0.029 χ^2/NDF: 22.3/20



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.536+/-0.033 χ^2/NDF:6914.0/3

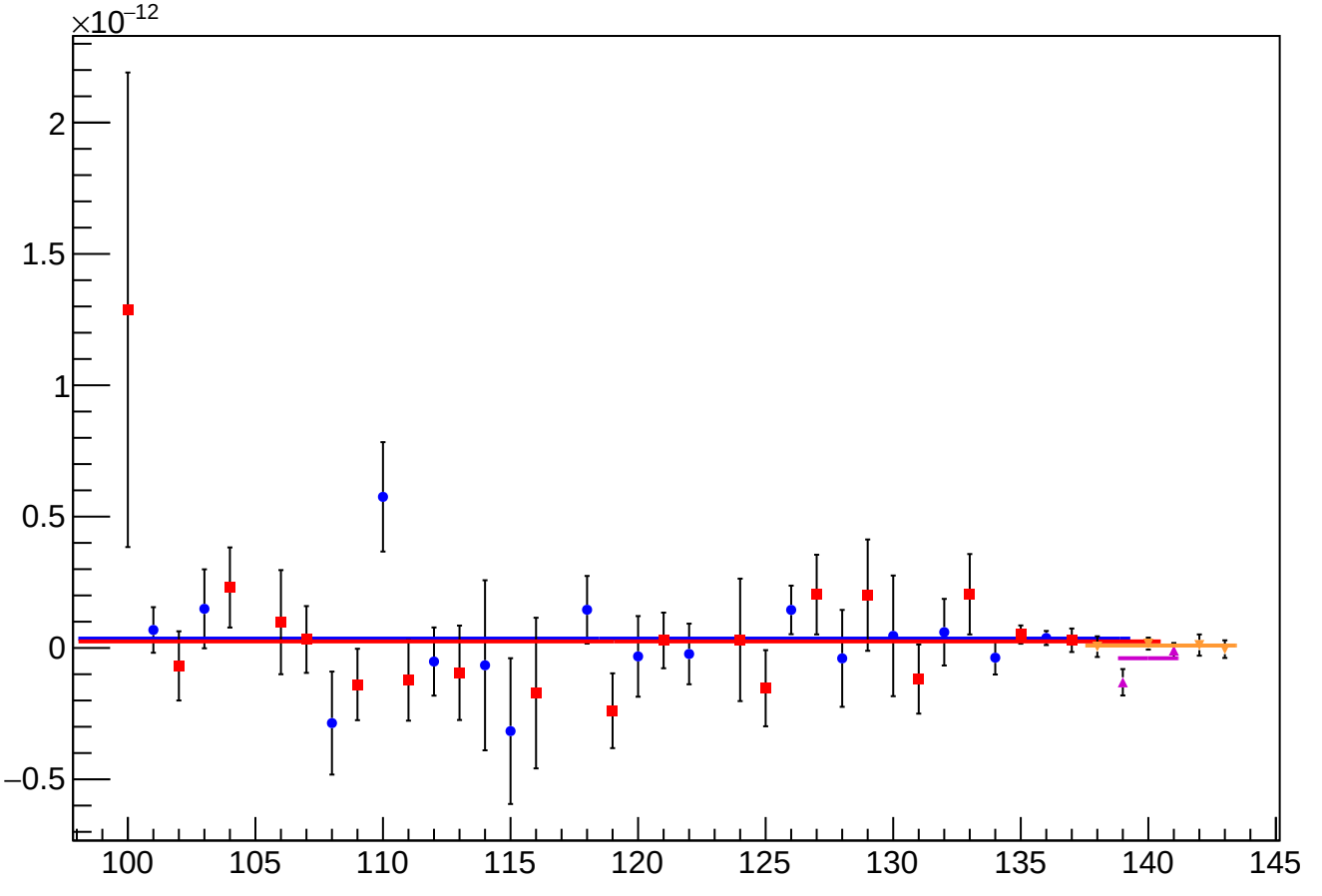
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.289+/-0.046 χ^2/NDF:16724.0/1

+ sign 83.429+/-0.019 χ^2/NDF: 1075475.3/19

All: 84.567+/-0.014 χ^2/NDF: 2091508.5/40

- sign 85.911+/-0.021 χ^2/NDF: 1008318.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/3

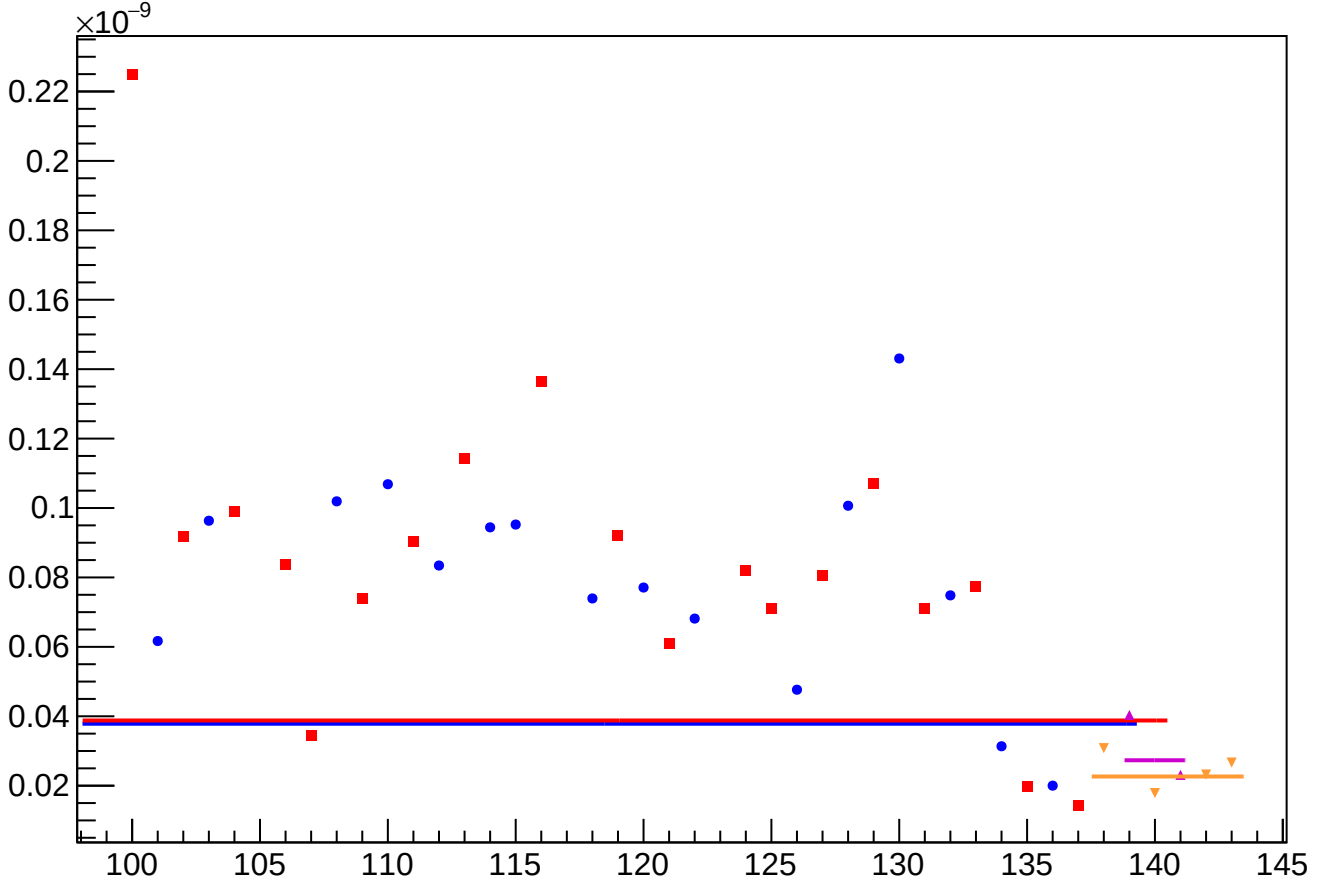
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/19

All: 0.000+/-0.000 χ^2/NDF: 44.8/40

- sign -0.000+/-0.000 χ^2/NDF: 26.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:203065.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

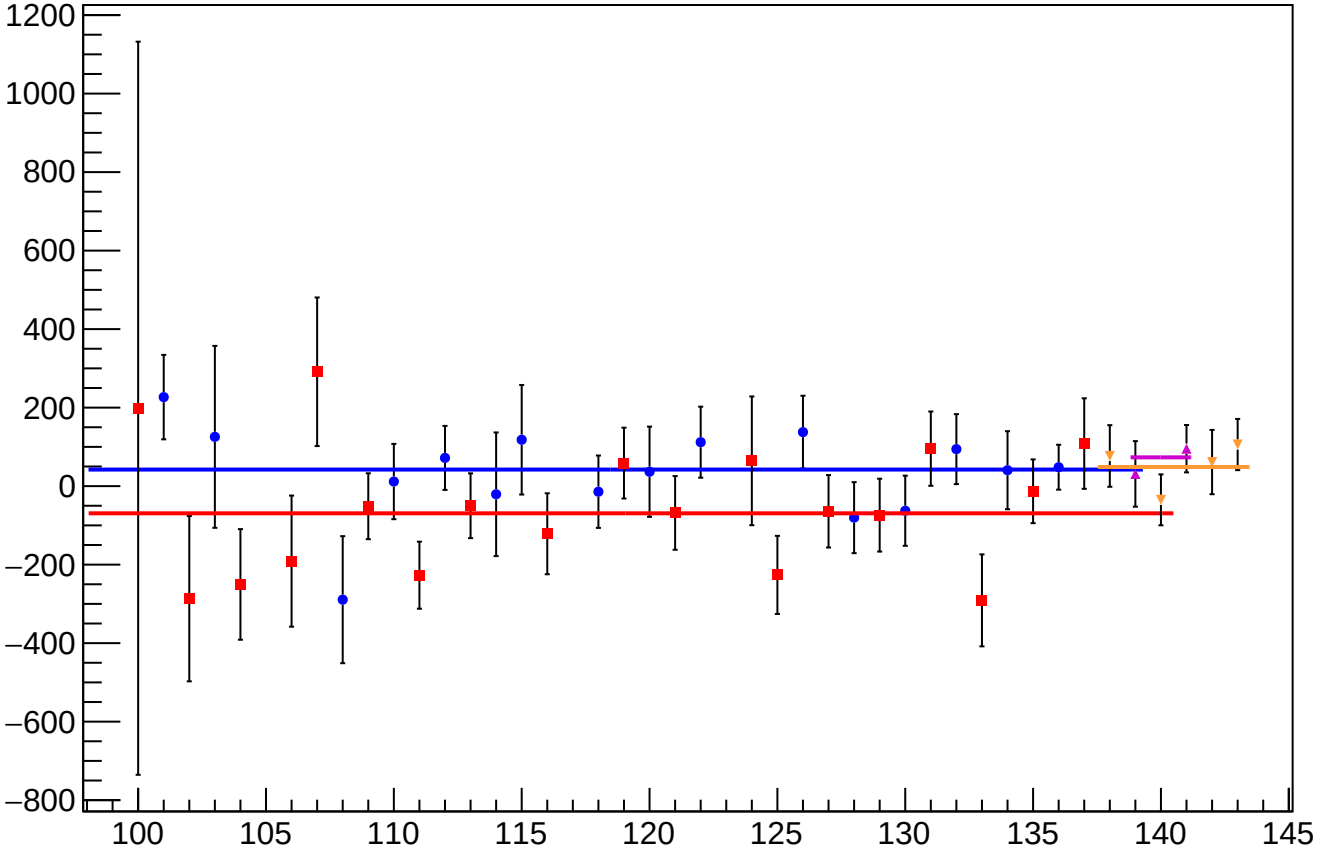
Left In: 0.000+/-0.000 χ^2/NDF:178533.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 4348440.4/19

All: 0.000+/-0.000 χ^2/NDF: 9025658.7/40

- sign 0.000+/-0.000 χ^2/NDF: 4537396.7/20

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.750+/-35.707 χ^2/NDF:2.6/3

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

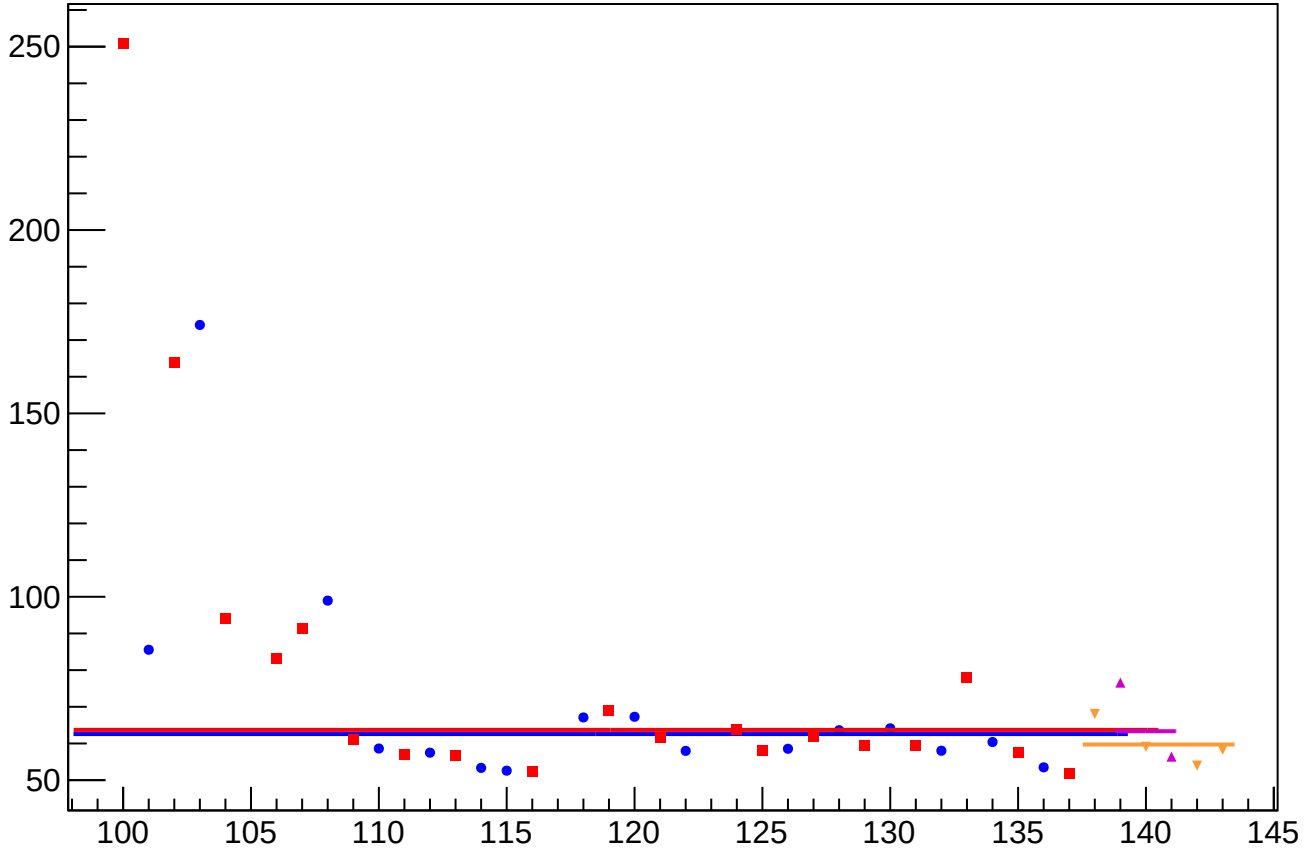
Left In: 73.343+/-48.919 χ^2/NDF:0.4/1

+ sign 44.276+/-20.037 χ^2/NDF: 16.2/19

All: 5.406+/-14.767 χ^2/NDF: 57.0/40

- sign -40.808+/-21.848 χ^2/NDF: 32.6/20

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

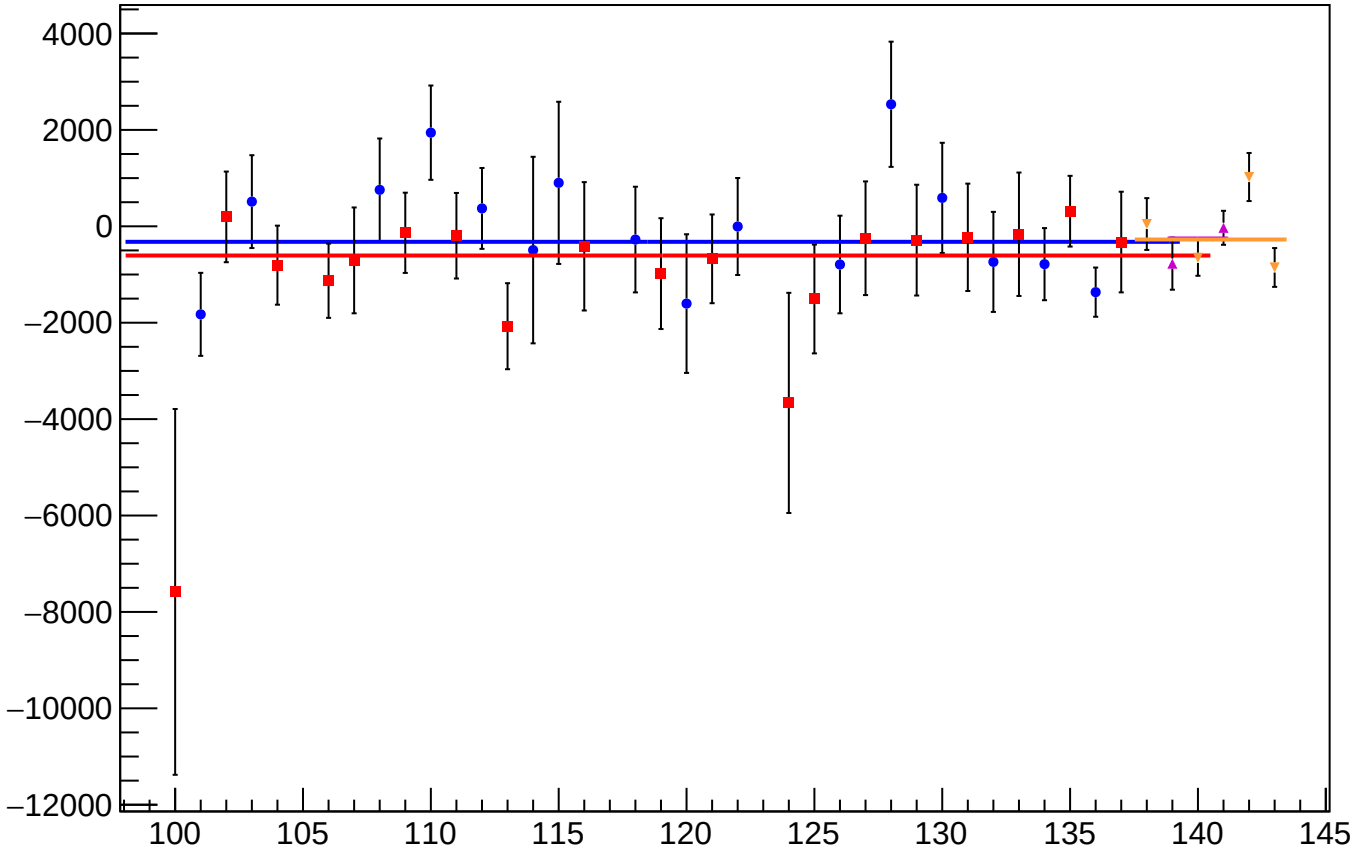
Left In: 63.342+/-0.035 χ^2/NDF:76729.8/1

+ sign 61.668+/-0.014 χ^2/NDF: 800799.1/19

All: 62.563+/-0.010 χ^2/NDF: 1720537.4/40

- sign 63.628+/-0.015 χ^2/NDF: 910995.2/20

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -273.760+/-218.888 χ^2/NDF:10.2/3

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

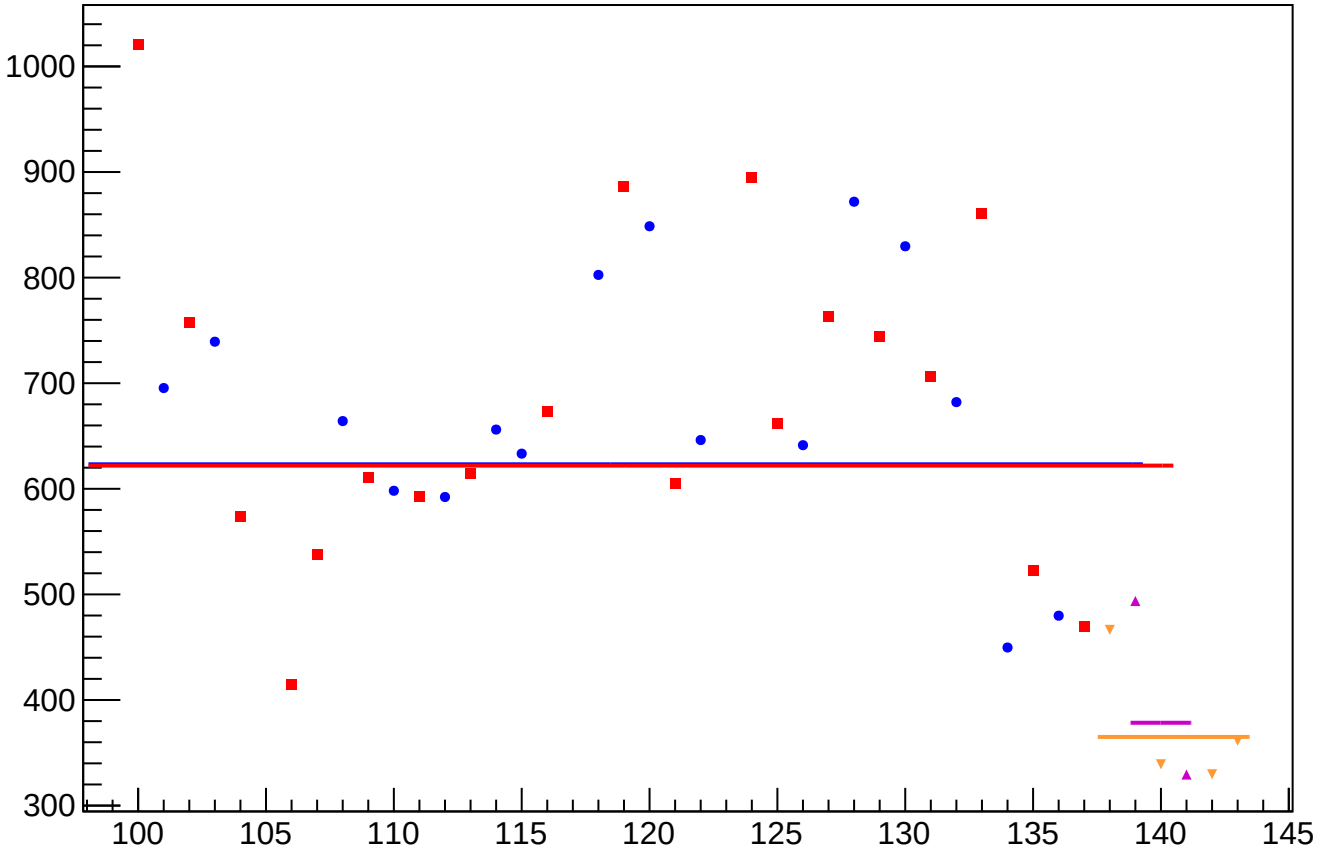
Left In: -252.902+/-295.314 χ^2/NDF:1.3/1

+ sign -295.663+/-161.260 χ^2/NDF: 33.0/19

All: -371.749+/-121.055 χ^2/NDF: 48.2/40

- sign -469.980+/-183.231 χ^2/NDF: 14.7/20

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 365.017+/-0.155 χ^2/NDF:91150.8/3

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

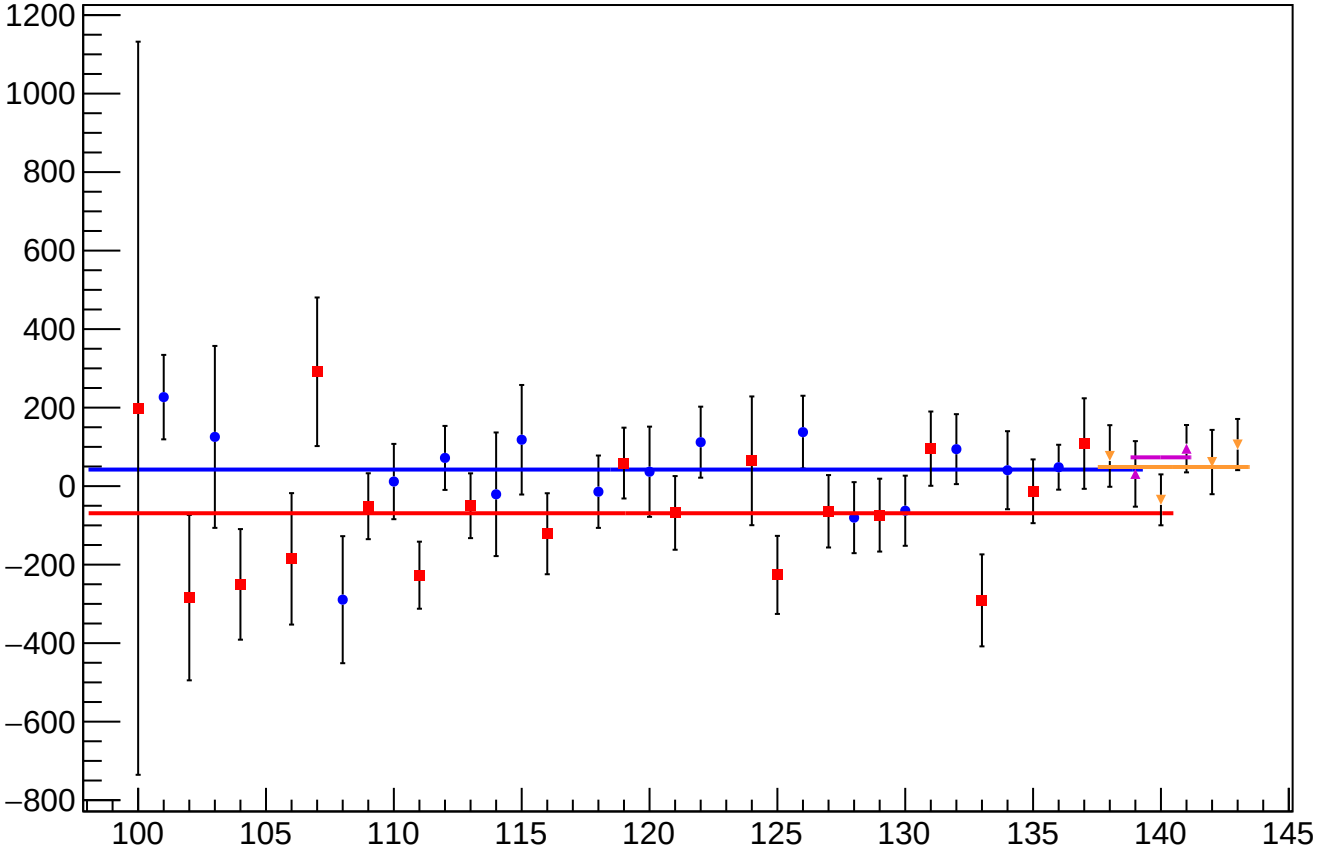
Left In: 378.441+/-0.209 χ^2/NDF:129658.8/1

+ sign 483.059+/-0.114 χ^2/NDF: 1928766.6/19

All: 502.771+/-0.086 χ^2/NDF: 3545995.7/40

- sign 528.221+/-0.130 χ^2/NDF: 1548763.4/20

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.754+/-35.707 χ^2/NDF:2.6/3

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

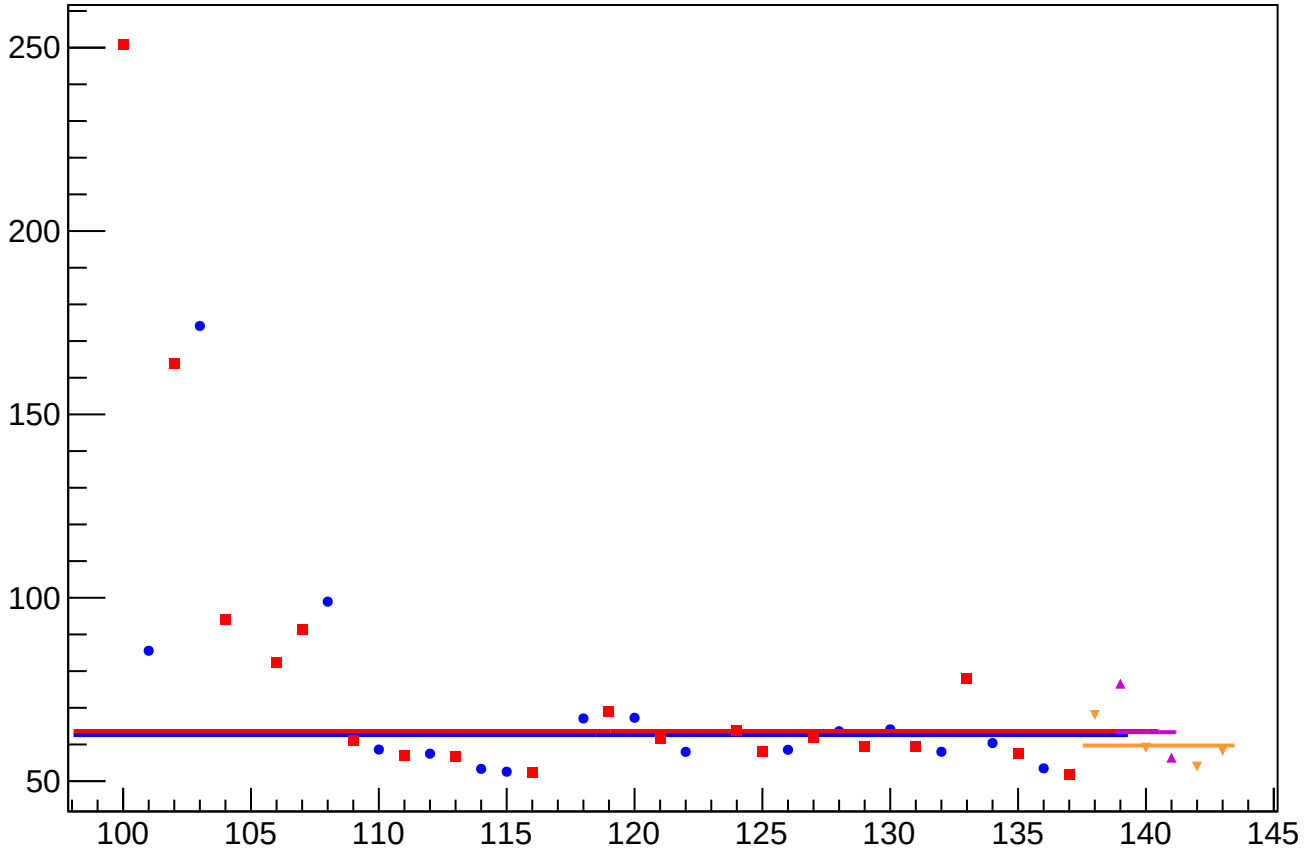
Left In: 73.344+/-48.919 χ^2/NDF:0.4/1

+ sign 44.273+/-20.037 χ^2/NDF: 16.2/19

All: 5.474+/-14.767 χ^2/NDF: 56.8/40

- sign -40.660+/-21.849 χ^2/NDF: 32.5/20

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

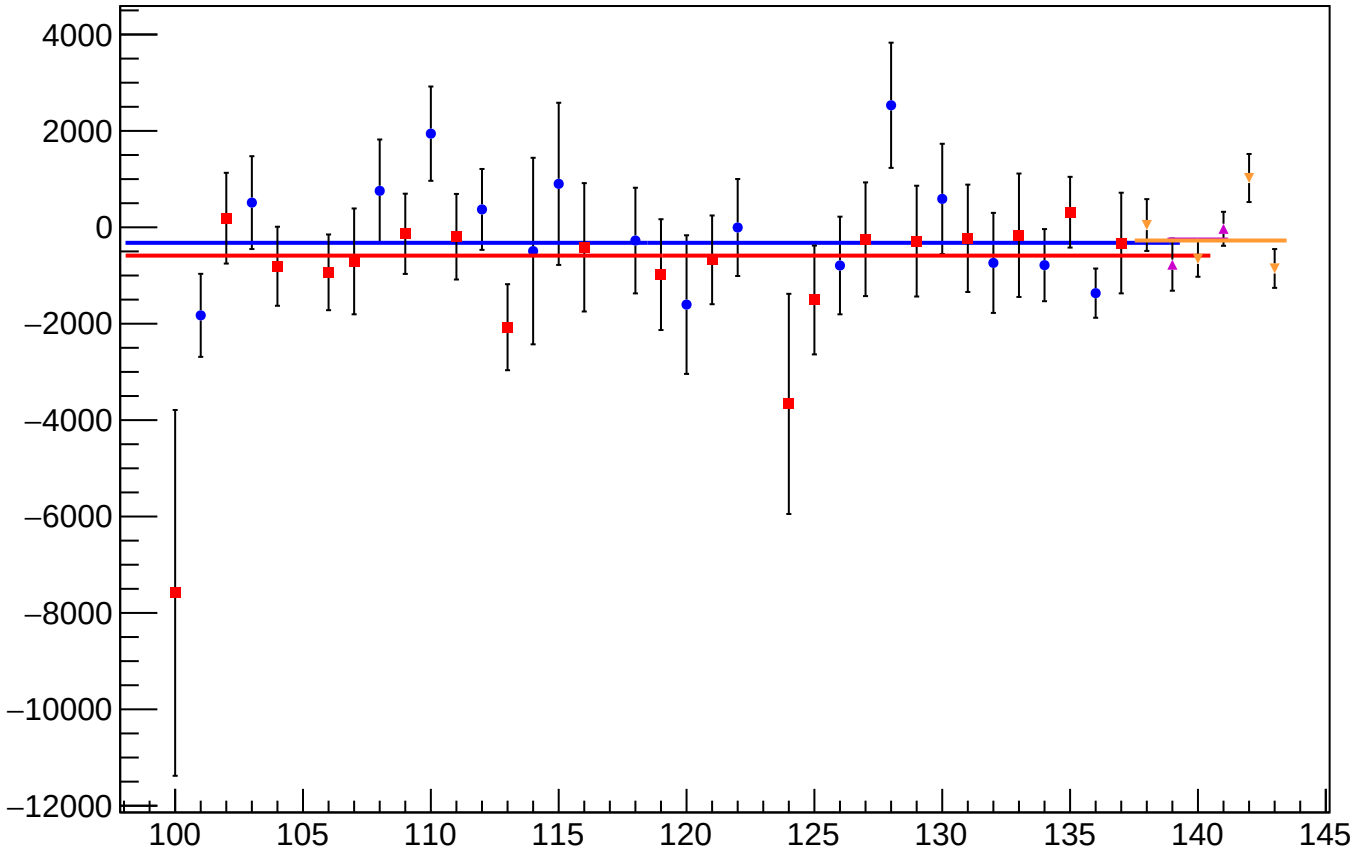
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 63.342+/-0.035 χ^2/NDF:76729.8/1

+ sign 61.668+/-0.014 χ^2/NDF: 800801.3/19

All: 62.555+/-0.010 χ^2/NDF: 1717608.6/40

- sign 63.609+/-0.015 χ^2/NDF: 908236.3/20



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -273.753+/-218.888 χ^2/NDF:10.2/3

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

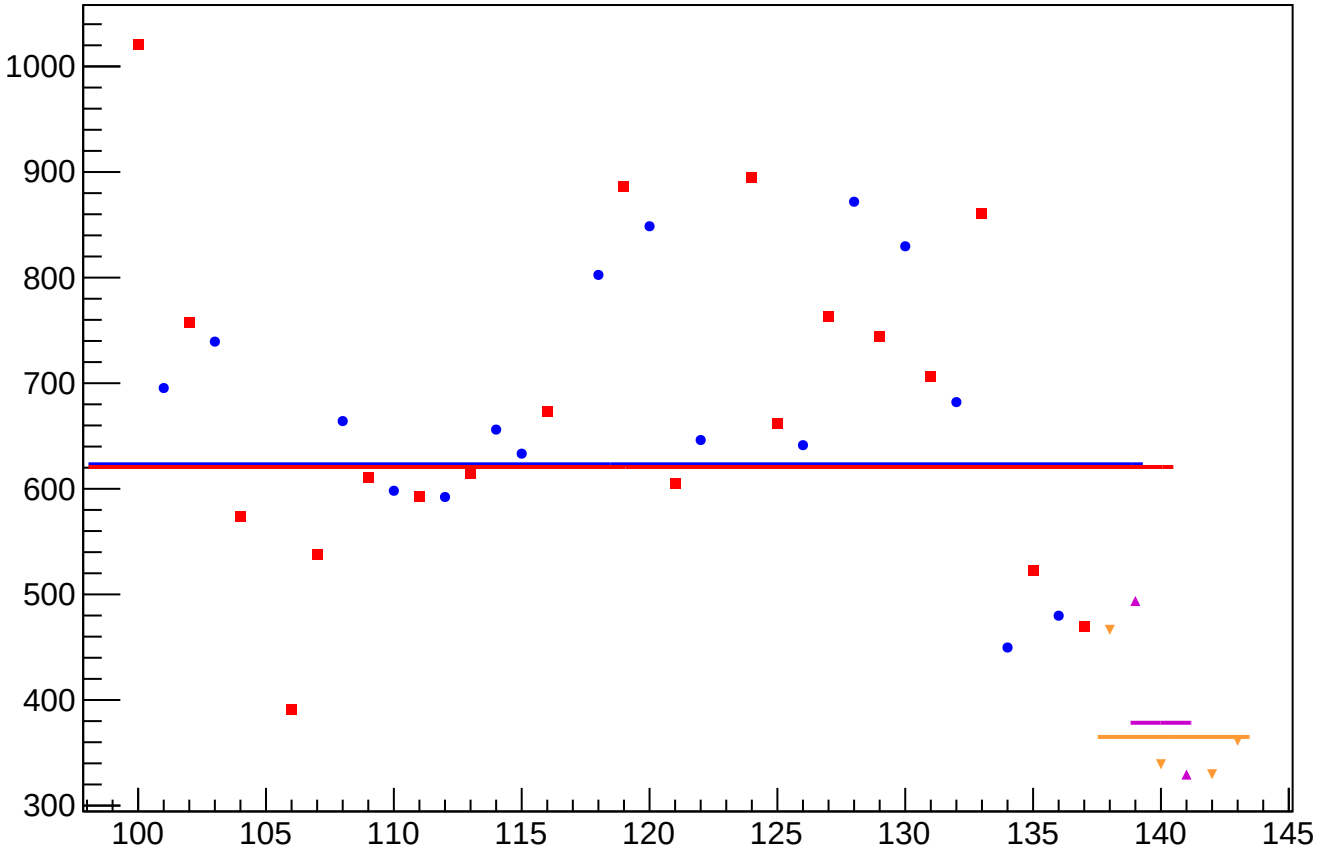
Left In: -252.908+/-295.315 χ^2/NDF:1.3/1

+ sign -295.658+/-161.261 χ^2/NDF: 33.0/19

All: -366.524+/-121.116 χ^2/NDF: 47.7/40

- sign -458.226+/-183.442 χ^2/NDF: 14.3/20

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 365.017+/-0.155 χ^2/NDF:91152.1/3

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

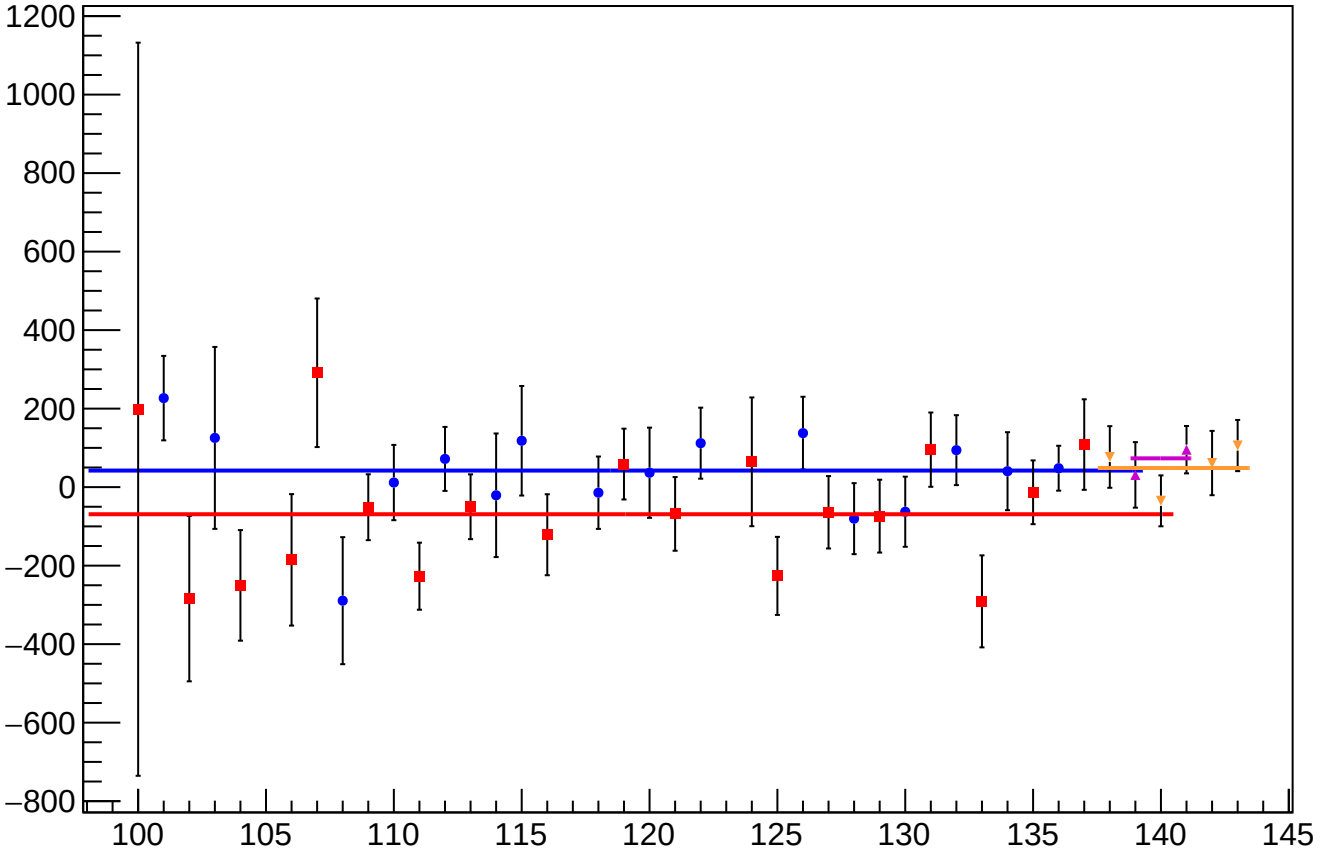
Left In: 378.442+/-0.209 χ^2/NDF:129656.7/1

+ sign 483.060+/-0.114 χ^2/NDF: 1928823.6/19

All: 502.304+/-0.086 χ^2/NDF: 3560739.2/40

- sign 527.206+/-0.130 χ^2/NDF: 1566577.7/20

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.754+/-35.707 χ^2/NDF:2.6/3

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

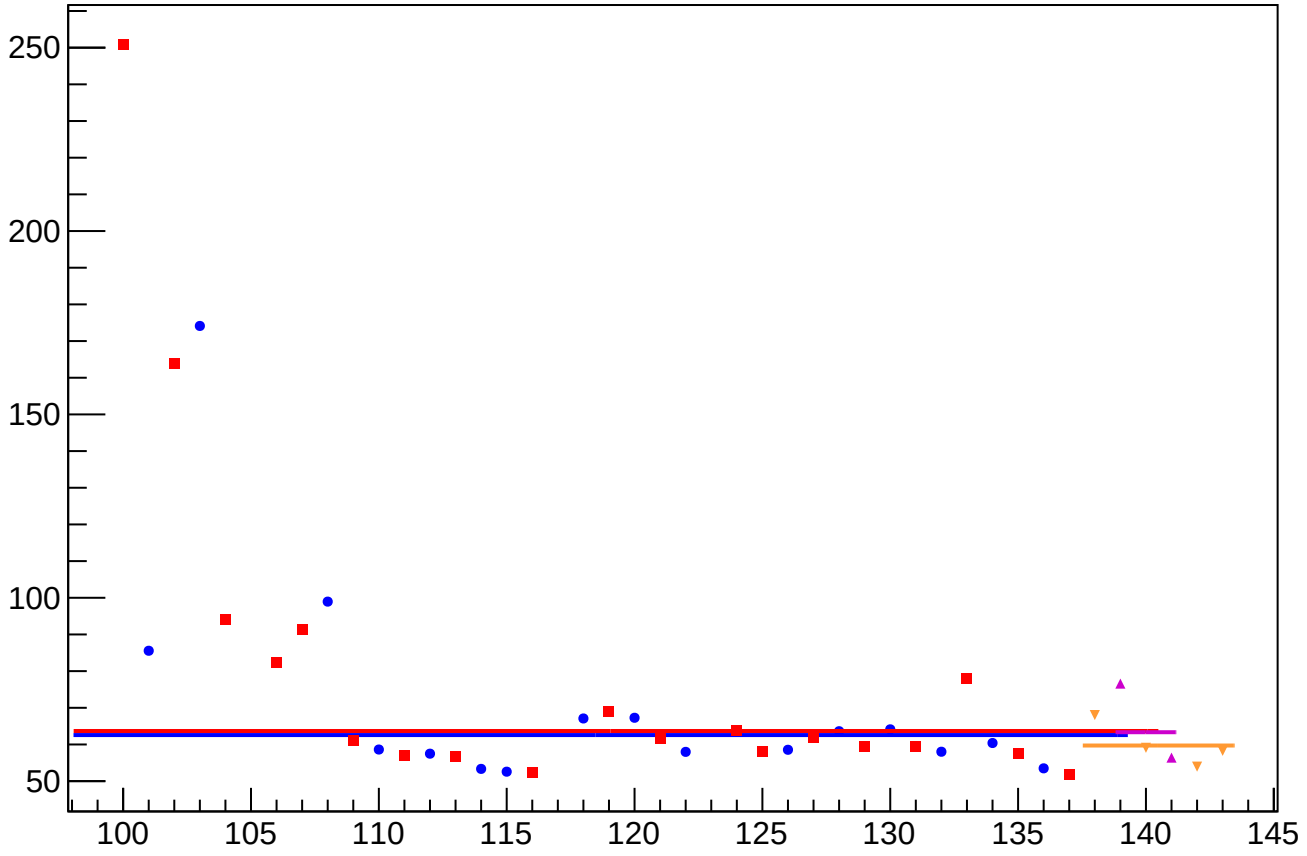
Left In: 73.344+/-48.919 χ^2/NDF:0.4/1

+ sign 44.273+/-20.037 χ^2/NDF: 16.2/19

All: 5.474+/-14.767 χ^2/NDF: 56.8/40

- sign -40.660+/-21.849 χ^2/NDF: 32.5/20

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

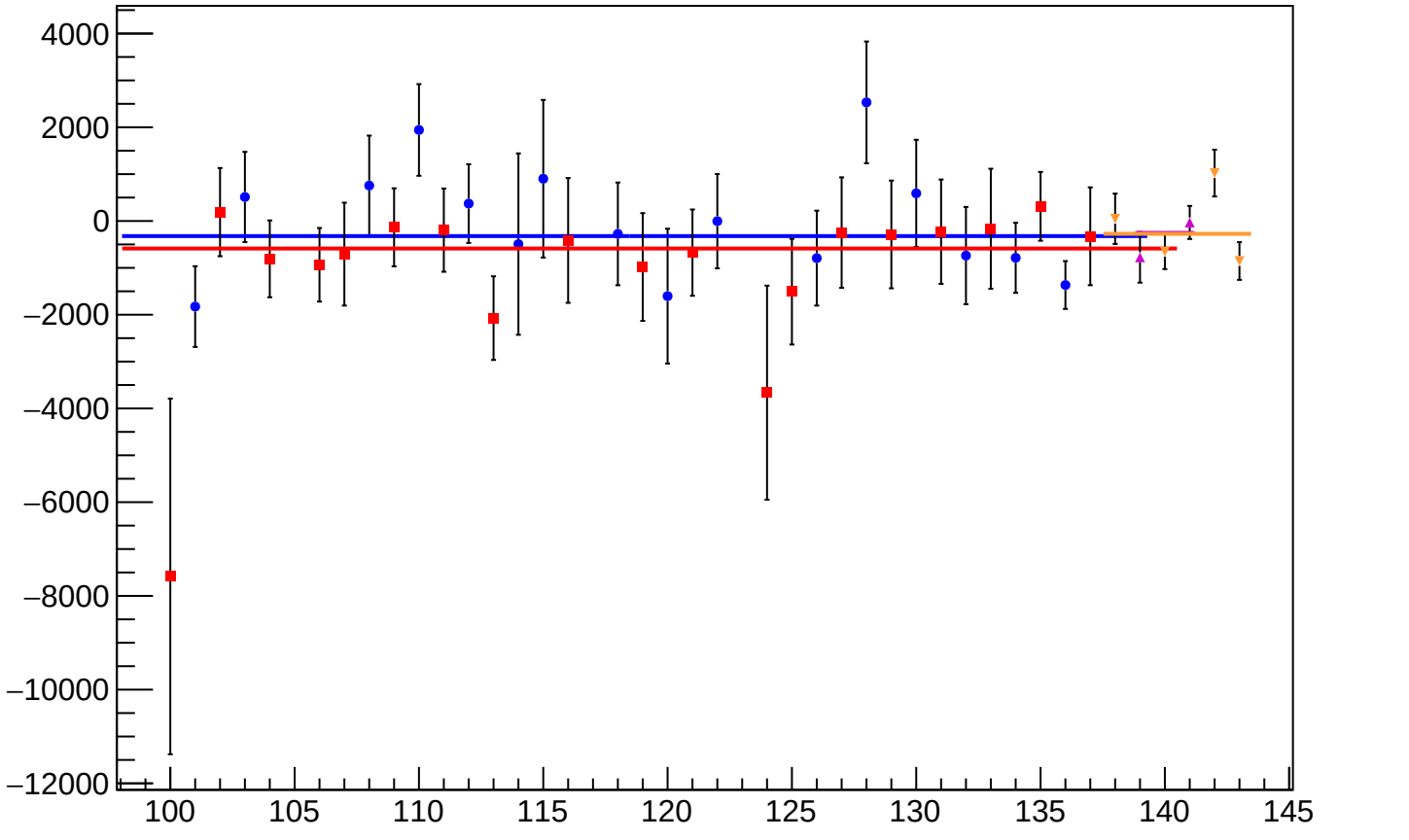
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 63.342+/-0.035 χ^2/NDF:76729.8/1

+ sign 61.668+/-0.014 χ^2/NDF: 800801.3/19

All: 62.555+/-0.010 χ^2/NDF: 1717608.6/40

- sign 63.609+/-0.015 χ^2/NDF: 908236.3/20



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -273.753+/-218.888 χ^2/NDF:10.2/3

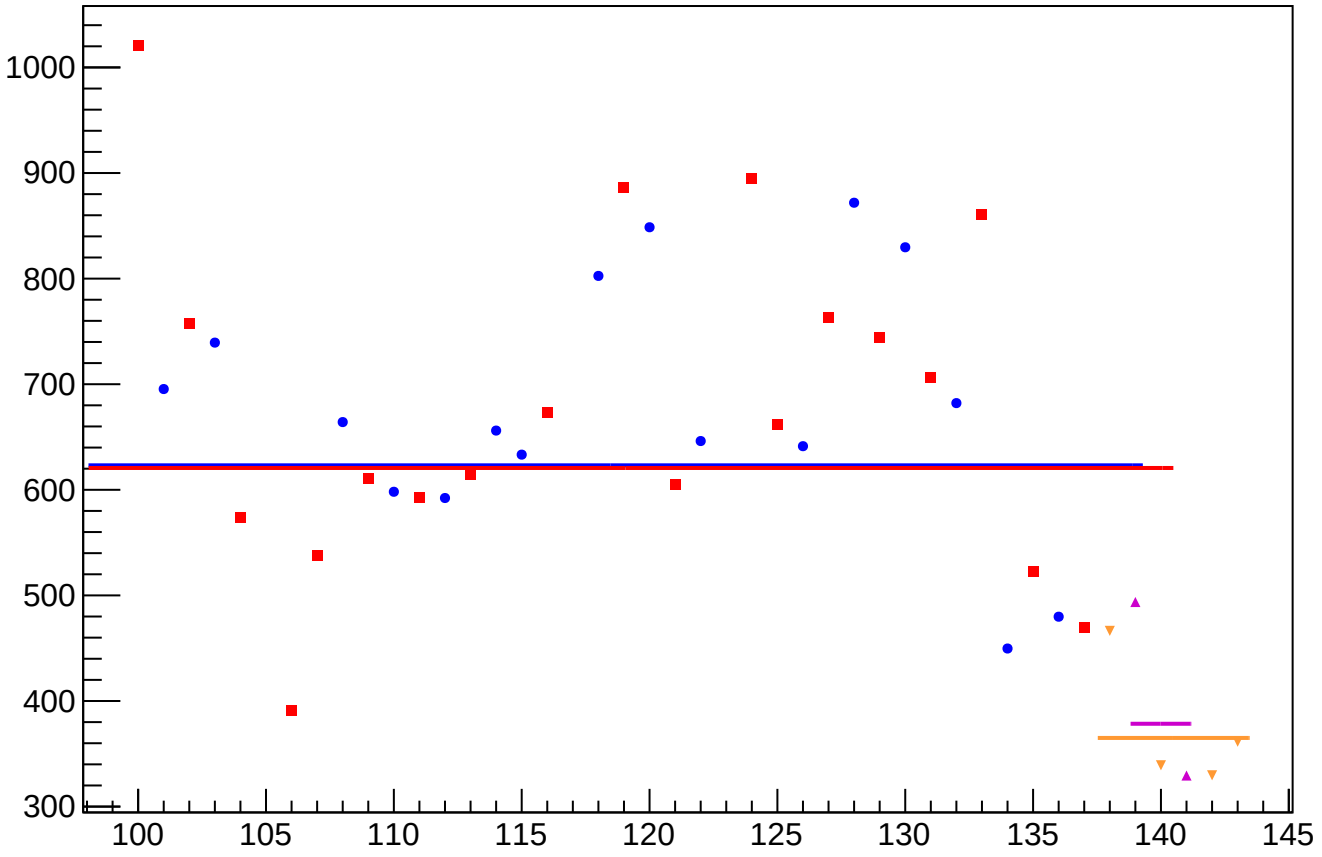
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -252.908+/-295.315 χ^2/NDF:1.3/1

+ sign -295.658+/-161.261 χ^2/NDF: 33.0/19

All: -366.524+/-121.116 χ^2/NDF: 47.7/40

- sign -458.226+/-183.442 χ^2/NDF: 14.3/20



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 365.017+/-0.155 χ^2/NDF:91152.1/3

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

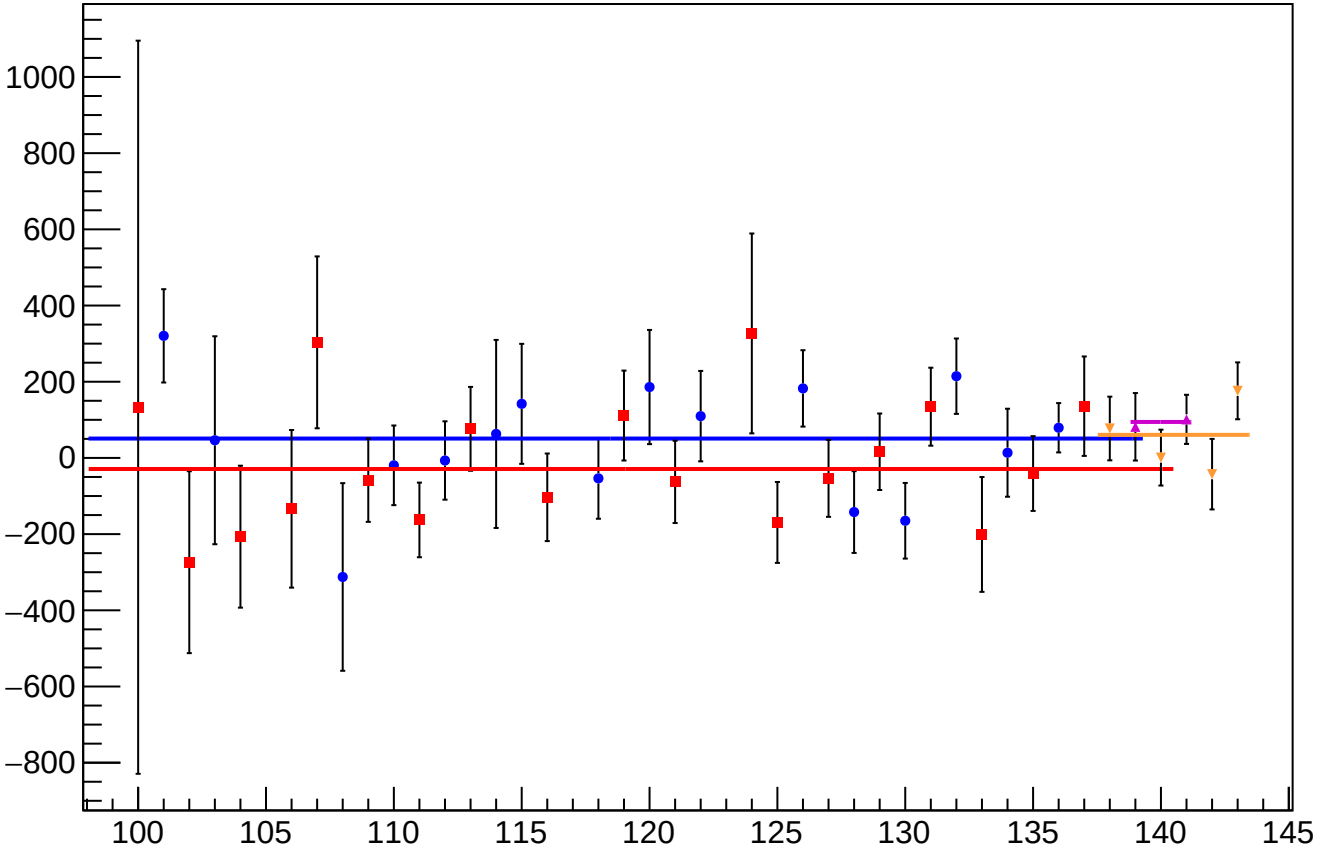
Left In: 378.442+/-0.209 χ^2/NDF:129656.7/1

+ sign 483.060+/-0.114 χ^2/NDF: 1928823.6/19

All: 502.304+/-0.086 χ^2/NDF: 3560739.2/40

- sign 527.206+/-0.130 χ^2/NDF: 1566577.7/20

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 60.542+/-39.986 χ^2/NDF:4.3/3

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

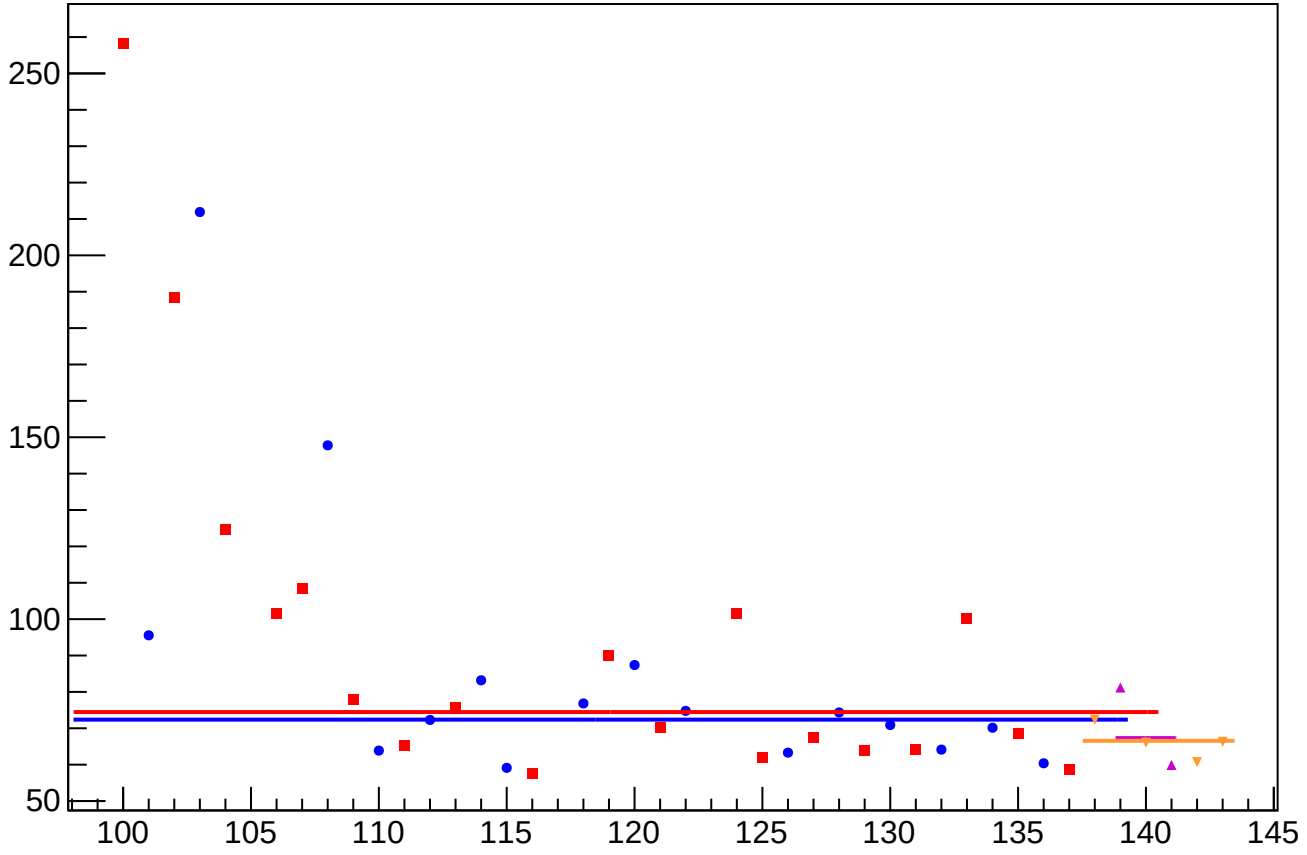
Left In: 94.453+/-52.130 χ^2/NDF:0.0/1

+ sign 54.081+/-23.109 χ^2/NDF: 27.2/19

All: 29.468+/-17.057 χ^2/NDF: 52.6/40

- sign 0.007+/-25.282 χ^2/NDF: 22.8/20

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 66.557+/-0.028 χ^2/NDF:17825.5/3

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

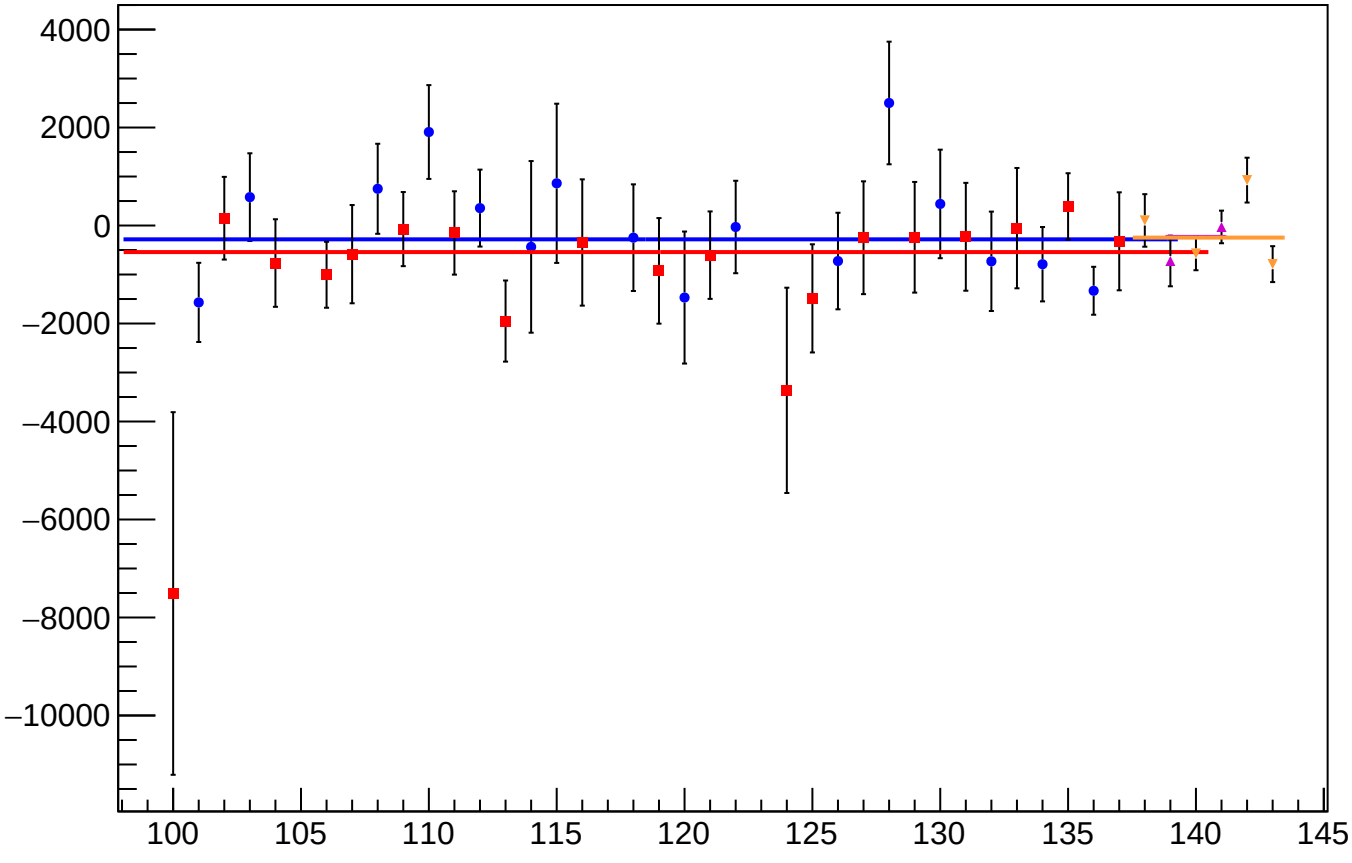
Left In: 67.301+/-0.037 χ^2/NDF:75470.2/1

+ sign 70.434+/-0.016 χ^2/NDF: 984223.1/19

All: 71.501+/-0.012 χ^2/NDF: 2150240.3/40

- sign 72.779+/-0.018 χ^2/NDF: 1156644.1/20

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -246.565+/-202.910 χ^2/NDF:10.1/3

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

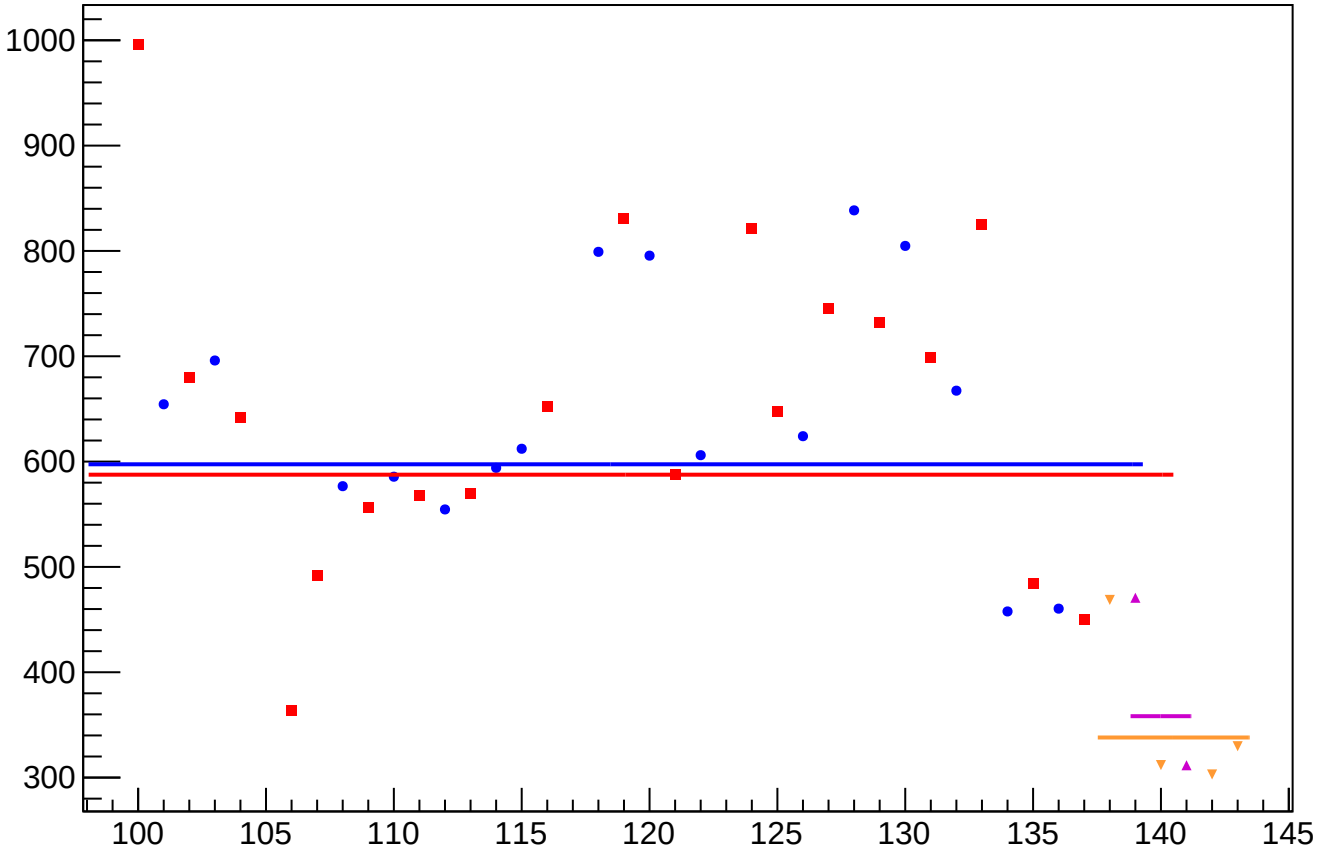
Left In: -232.377+/-279.831 χ^2/NDF:1.3/1

+ sign -262.260+/-151.515 χ^2/NDF: 32.9/19

All: -331.920+/-114.092 χ^2/NDF: 48.7/40

- sign -423.145+/-173.389 χ^2/NDF: 15.3/20

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 338.056+/-0.143 χ^2/NDF:143303.8/3

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

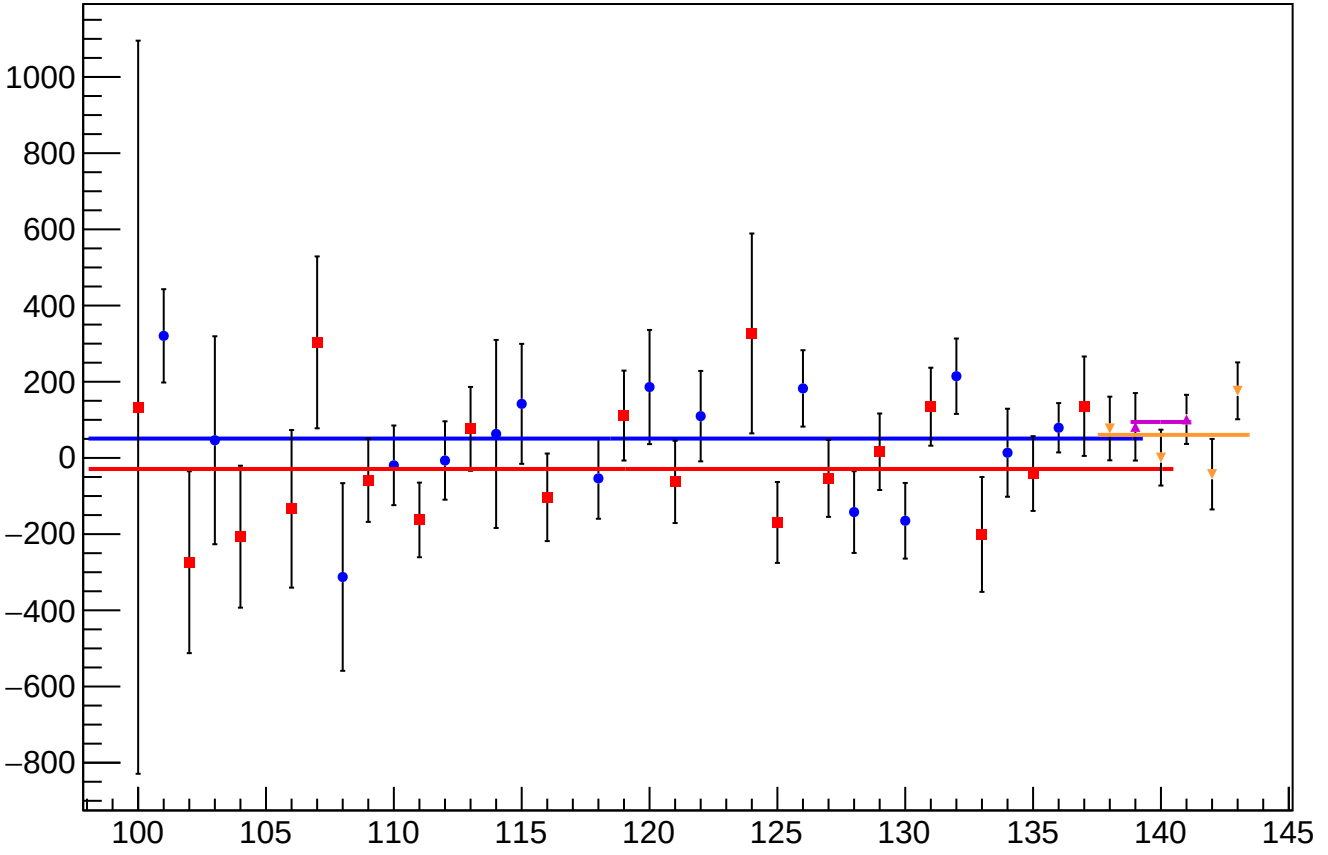
Left In: 358.287+/-0.198 χ^2/NDF:133794.6/1

+ sign 452.814+/-0.107 χ^2/NDF: 2123018.8/19

All: 473.045+/-0.081 χ^2/NDF: 3855379.6/40

- sign 499.539+/-0.123 χ^2/NDF: 1650005.4/20

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 60.543+/-39.986 χ^2/NDF:4.3/3

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

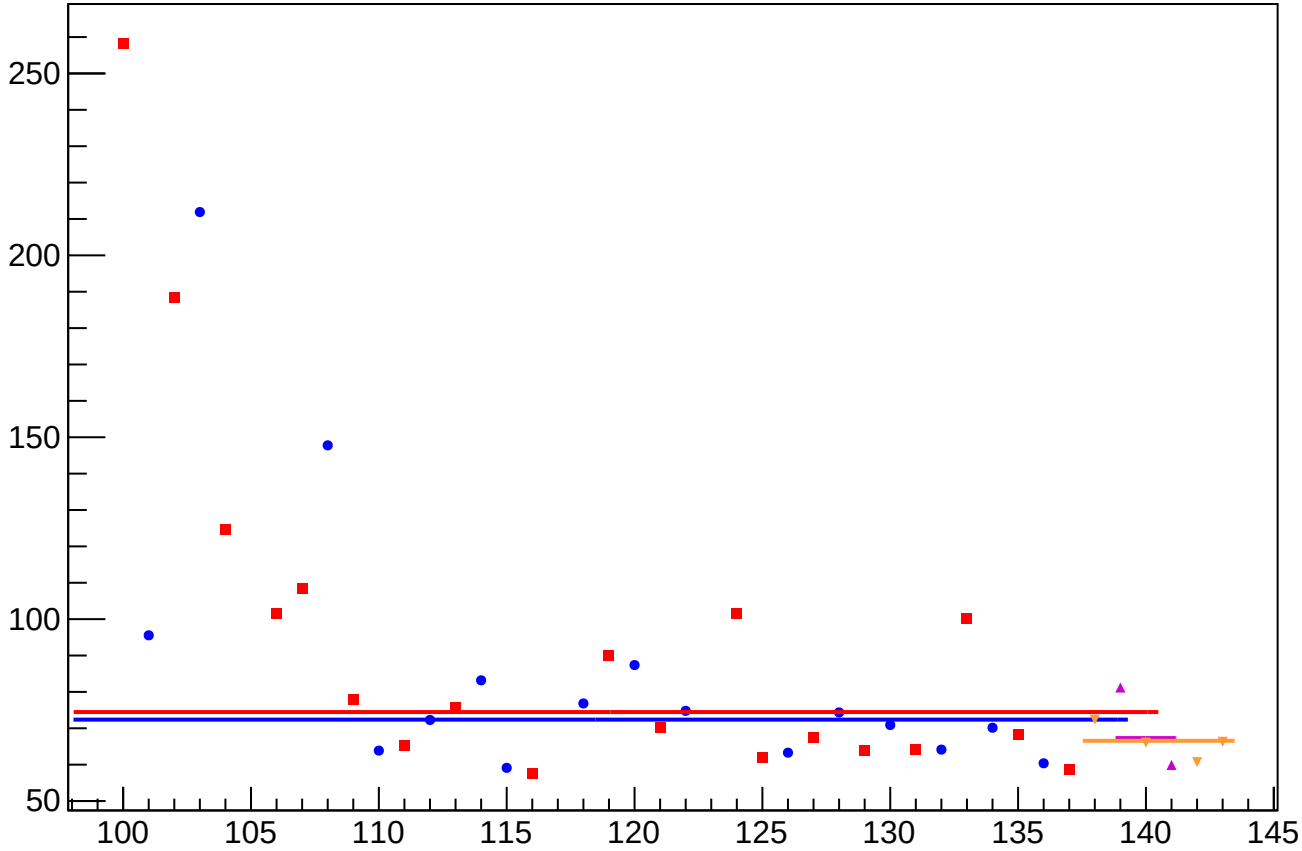
Left In: 94.453+/-52.130 χ^2/NDF:0.0/1

+ sign 54.081+/-23.109 χ^2/NDF: 27.2/19

All: 29.468+/-17.057 χ^2/NDF: 52.6/40

- sign 0.008+/-25.282 χ^2/NDF: 22.8/20

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 66.558+/-0.028 χ^2/NDF:17827.0/3

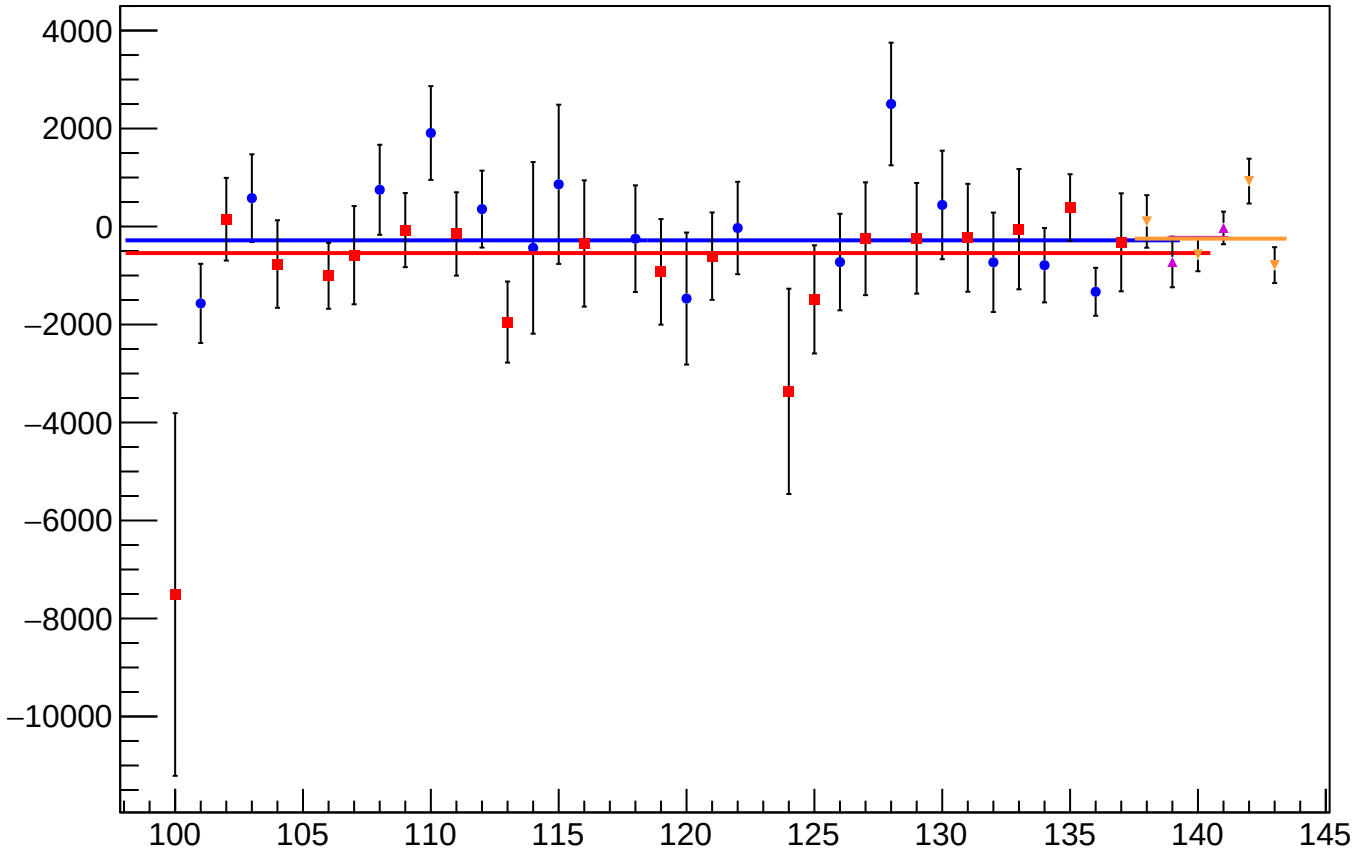
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 67.301+/-0.037 χ^2/NDF:75467.9/1

+ sign 70.434+/-0.016 χ^2/NDF: 984226.6/19

All: 71.501+/-0.012 χ^2/NDF: 2150234.1/40

- sign 72.779+/-0.018 χ^2/NDF: 1156634.3/20



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -246.567+/-202.910 χ^2/NDF:10.1/3

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

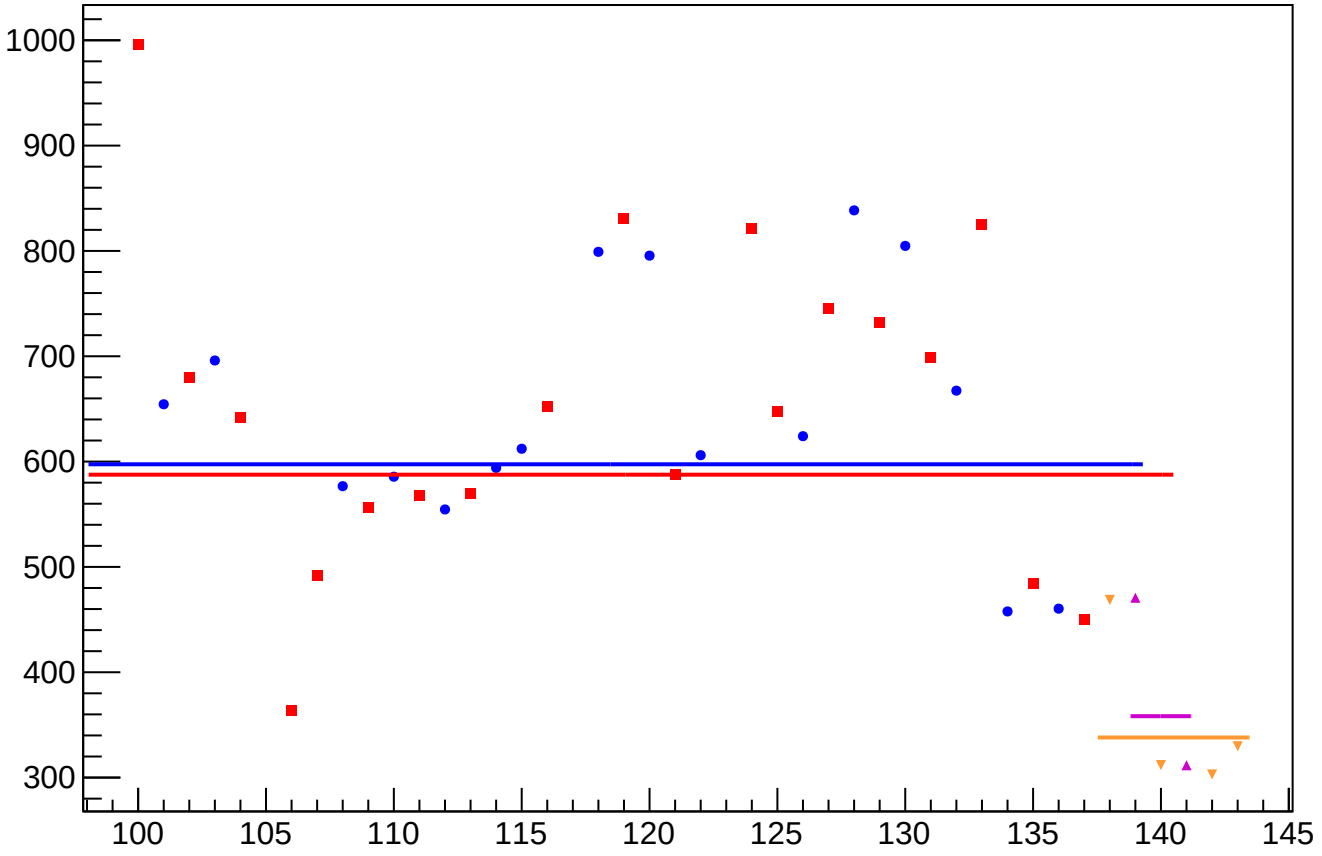
Left In: -232.376+/-279.831 χ^2/NDF:1.3/1

\+ sign -262.260+/-151.515 χ^2/NDF: 32.9/19

All: -331.920+/-114.092 χ^2/NDF: 48.7/40

\- sign -423.145+/-173.388 χ^2/NDF: 15.3/20

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 338.056+/-0.143 χ^2/NDF:143306.0/3

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

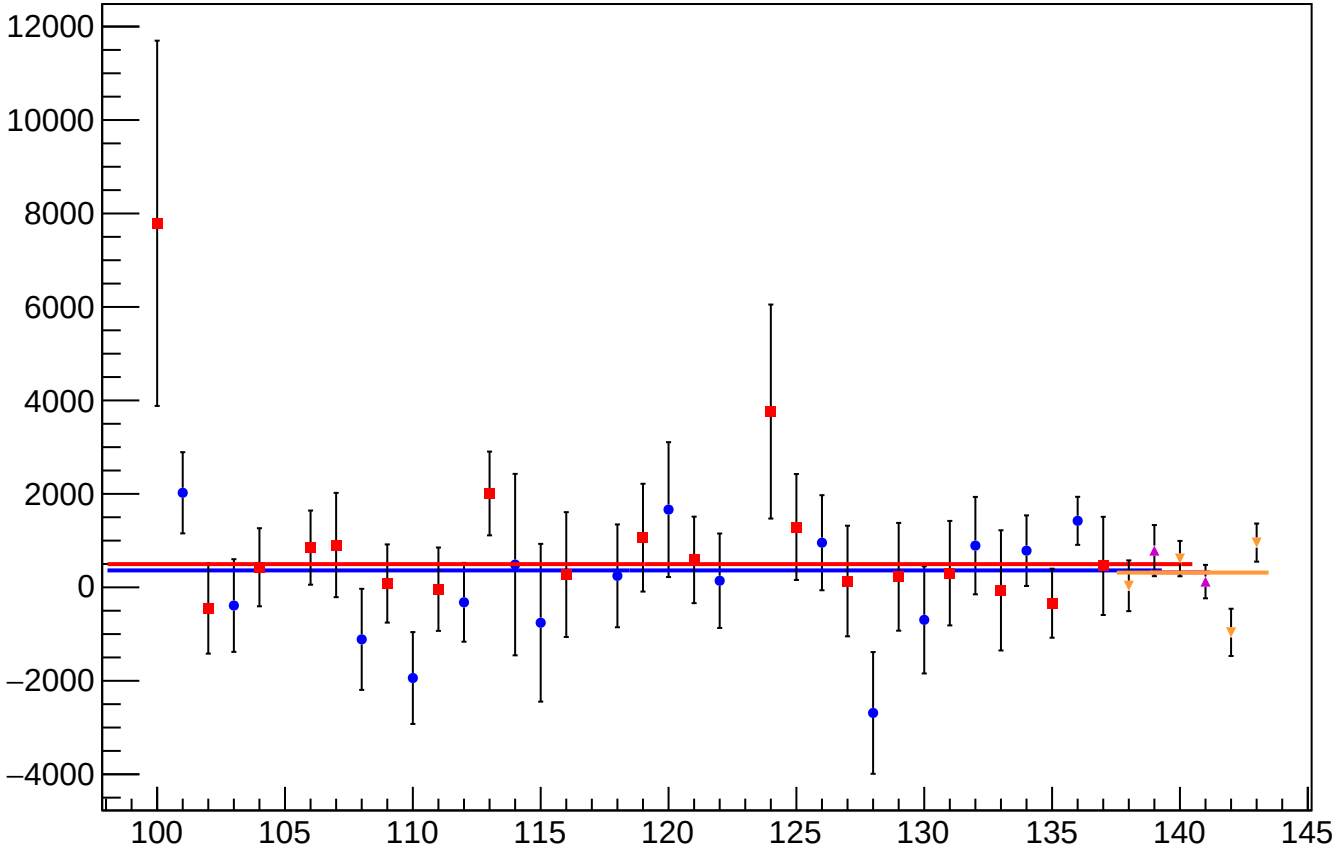
Left In: 358.286+/-0.198 χ^2/NDF:133796.7/1

+ sign 452.814+/-0.107 χ^2/NDF: 2123025.6/19

All: 473.045+/-0.081 χ^2/NDF: 3855386.5/40

- sign 499.539+/-0.123 χ^2/NDF: 1650005.9/20

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 315.455+/-221.864 χ^2/NDF:9.8/3

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

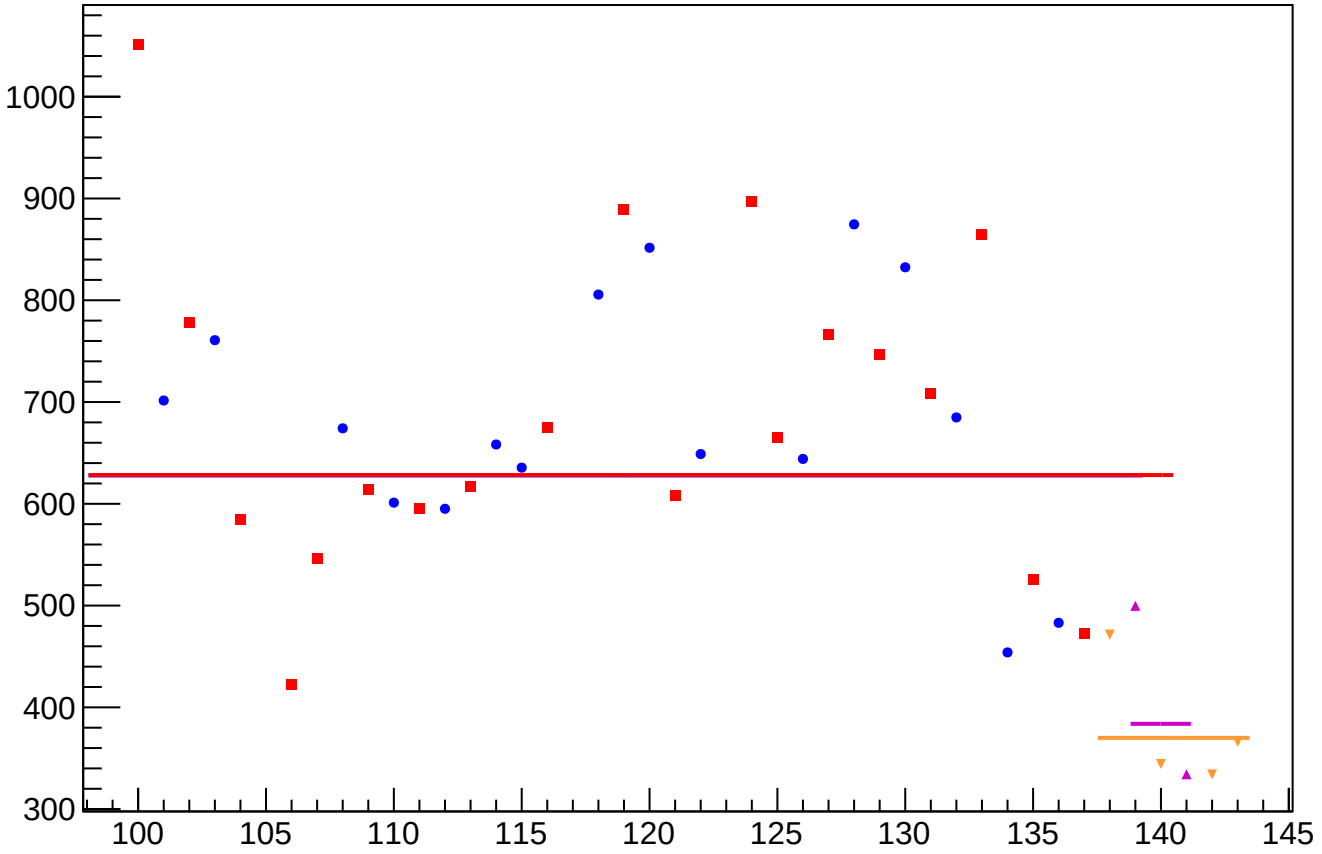
Left In: 321.617+/-299.422 χ^2/NDF:1.0/1

+ sign 337.050+/-163.011 χ^2/NDF: 34.9/19

All: 377.395+/-122.410 χ^2/NDF: 48.9/40

- sign 429.563+/-185.362 χ^2/NDF: 13.9/20

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 370.032+/-0.157 χ^2/NDF:89257.4/3

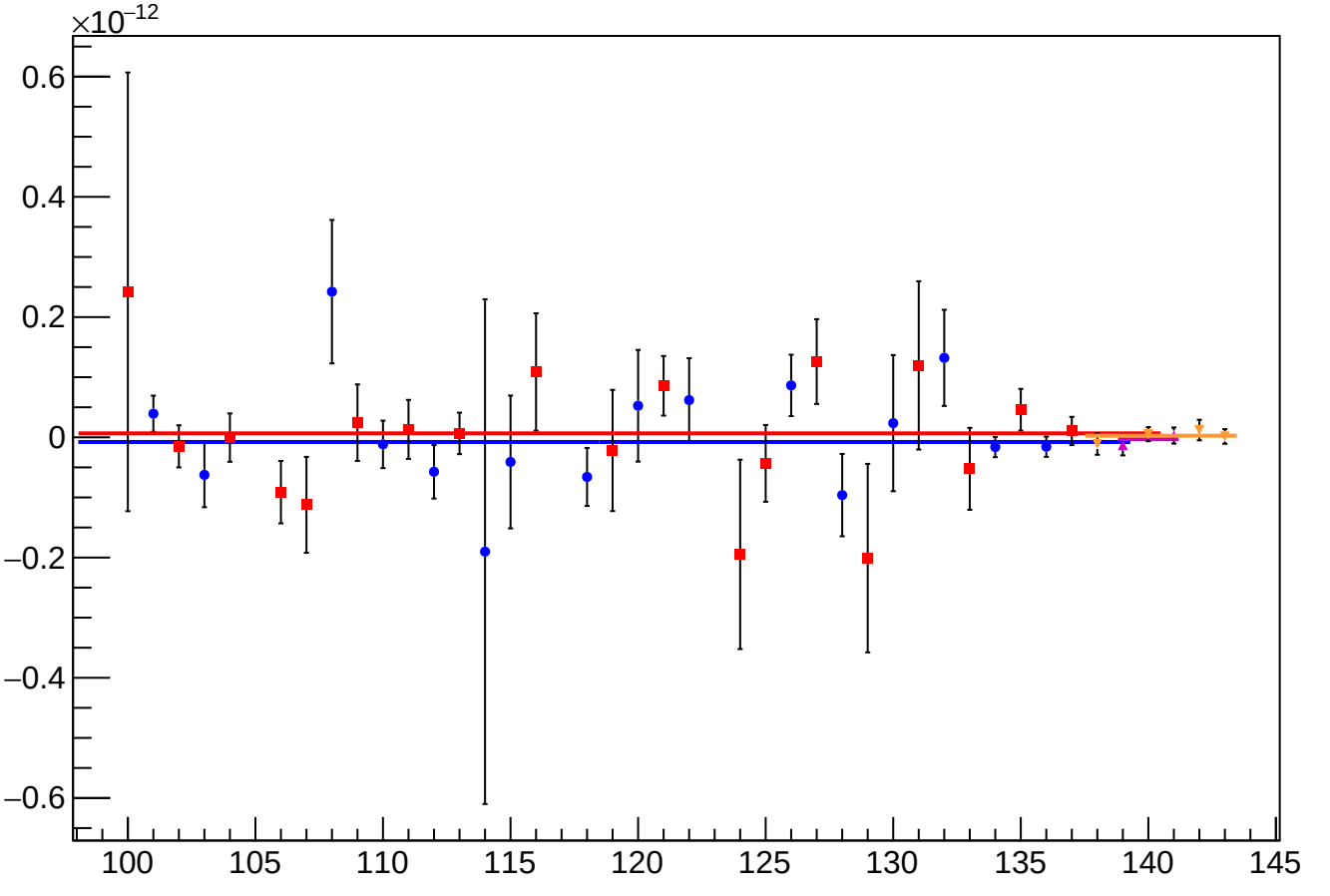
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 383.829+/-0.212 χ^2/NDF:128185.2/1

+ sign 488.693+/-0.115 χ^2/NDF: 1899280.7/19

All: 508.703+/-0.087 χ^2/NDF: 3489512.7/40

- sign 534.577+/-0.131 χ^2/NDF: 1521126.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

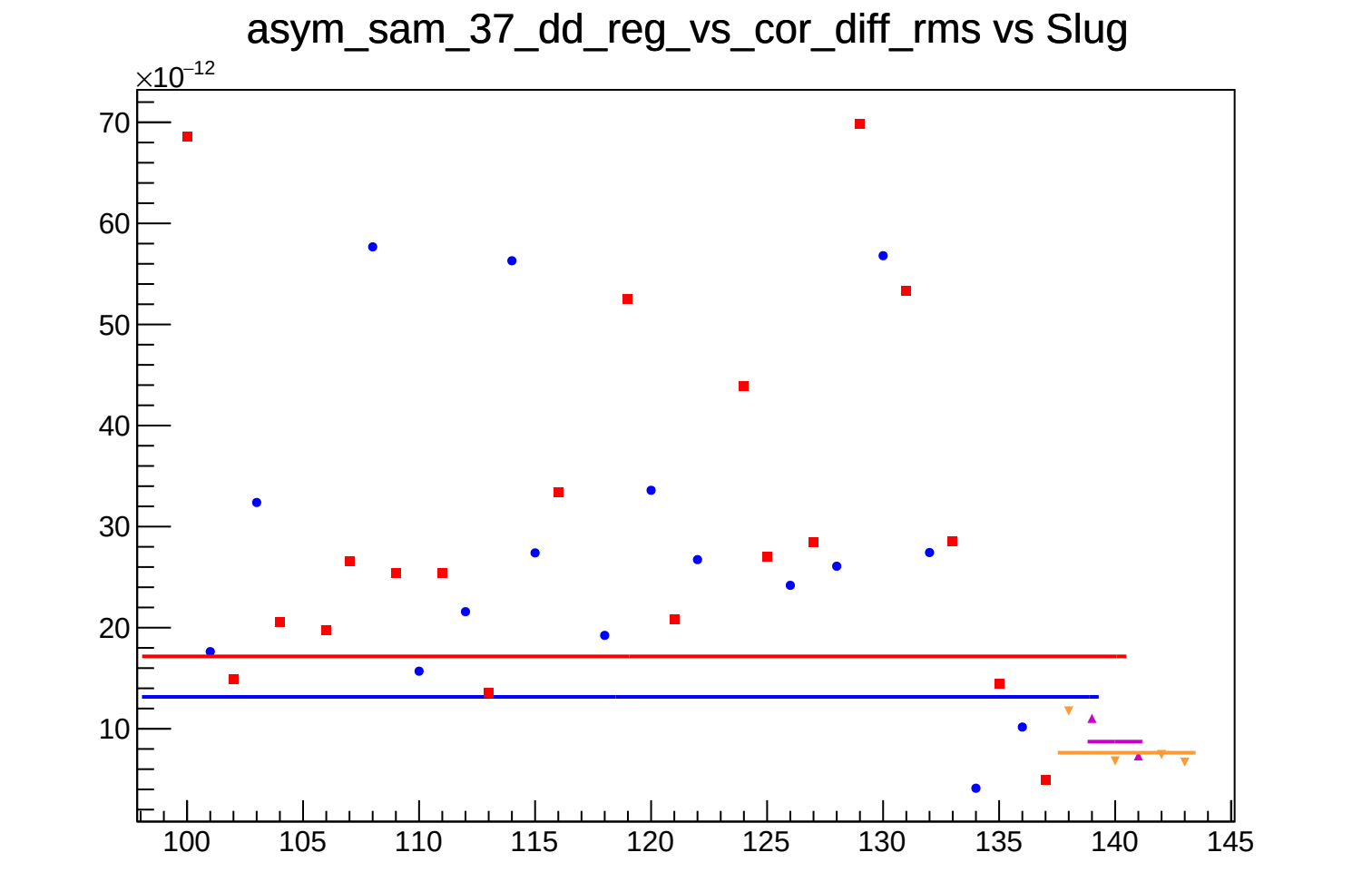
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/19

All: -0.000+/-0.000 χ^2/NDF: 43.7/40

- sign 0.000+/-0.000 χ^2/NDF: 20.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:127506.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

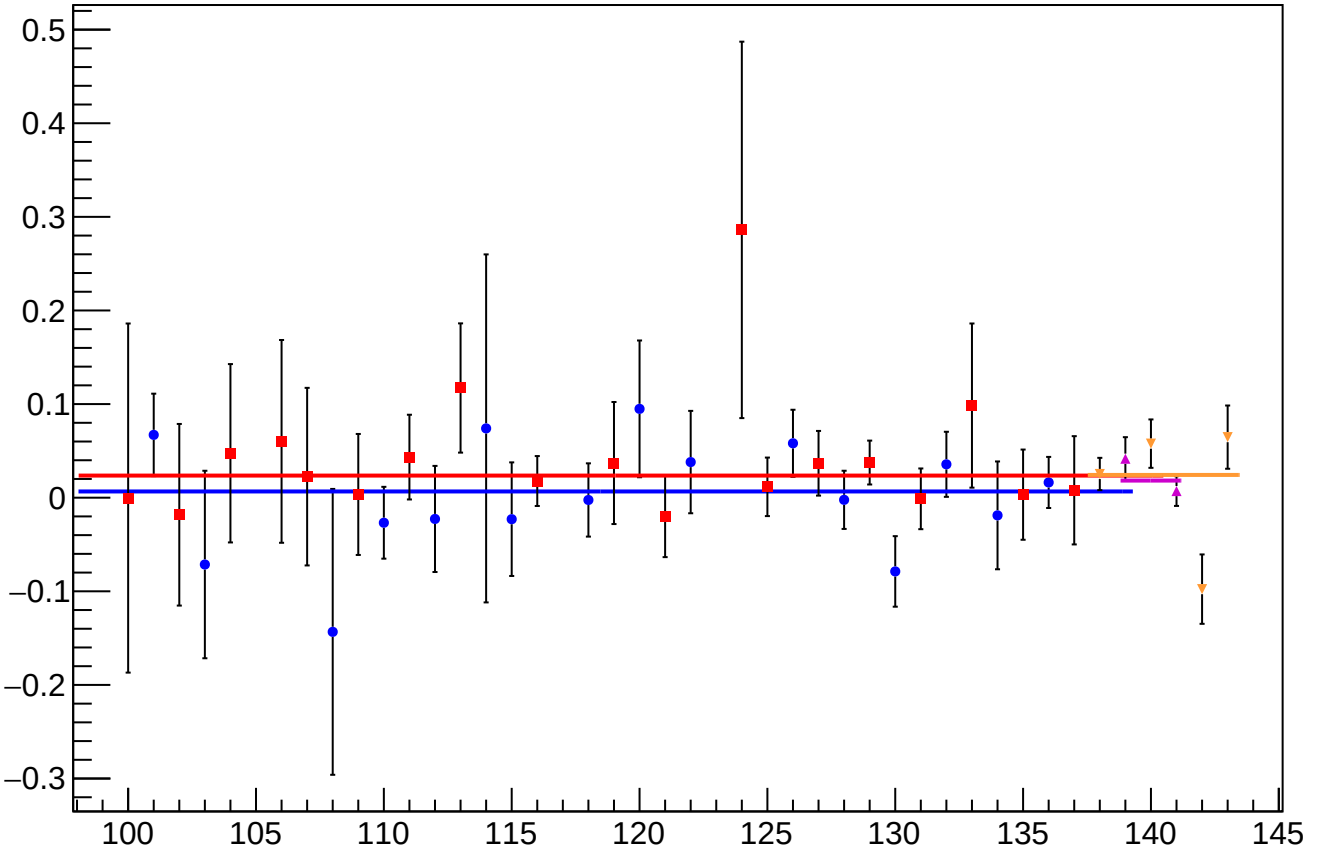
Left In: 0.000+/-0.000 χ^2/NDF:58456.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 2657687.2/19

All: 0.000+/-0.000 χ^2/NDF: 5136843.8/40

- sign 0.000+/-0.000 χ^2/NDF: 2288241.8/20

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: 0.024+/-0.012 χ^2/NDF:13.9/3

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

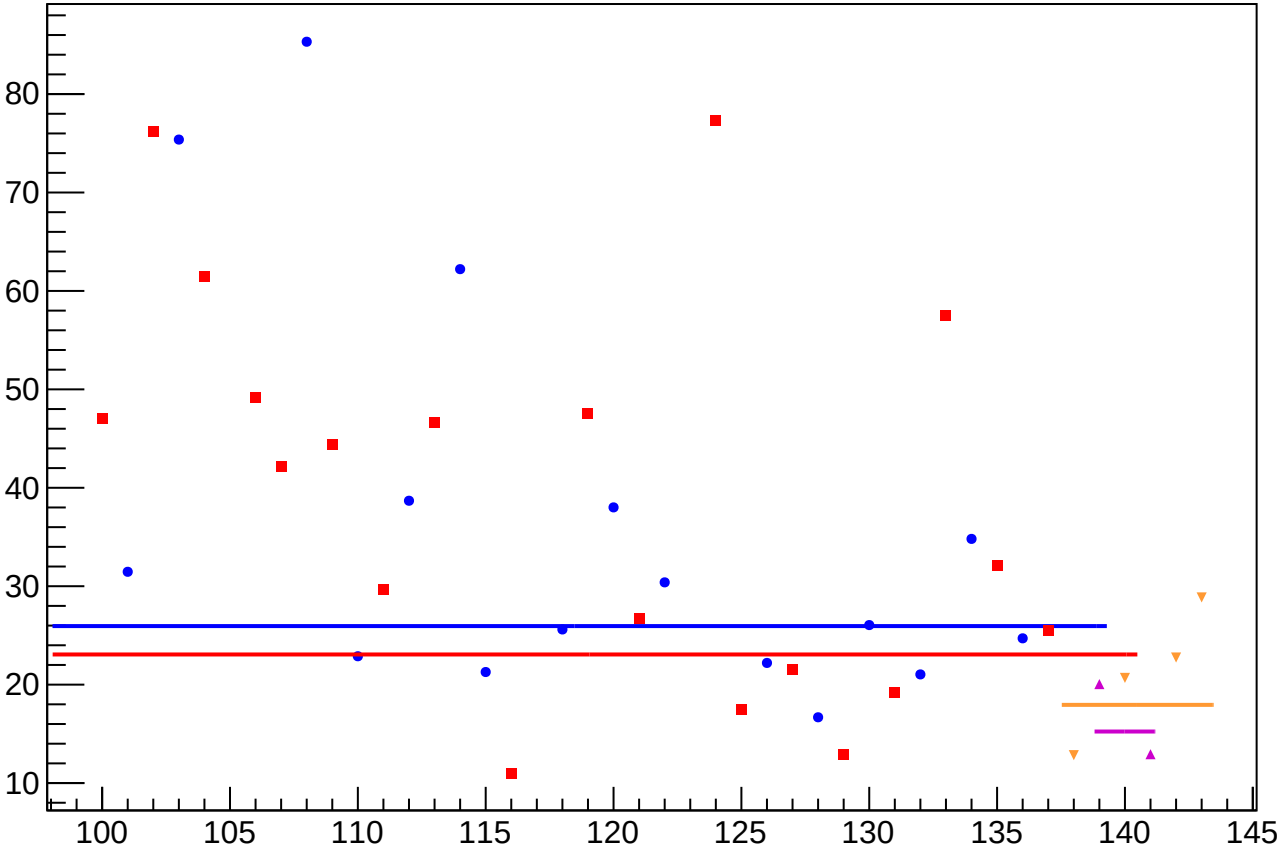
Left In: 0.018+/-0.013 χ^2/NDF:1.5/1

+ sign 0.014+/-0.008 χ^2/NDF: 30.1/19

All: 0.018+/-0.006 χ^2/NDF: 39.6/40

- sign 0.022+/-0.008 χ^2/NDF: 9.1/20

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: 17.945+/-0.009 χ^2/NDF:440433.4/3

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

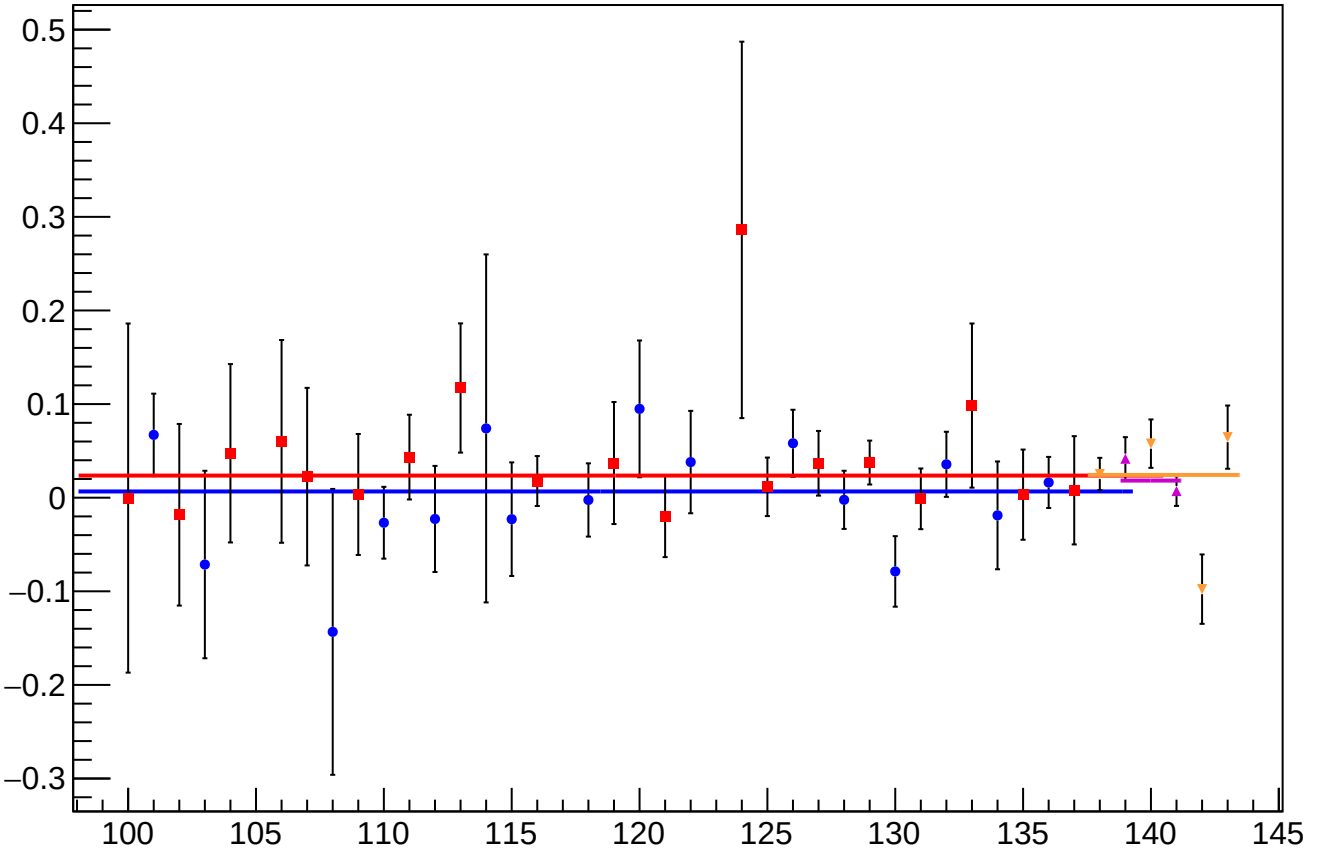
Left In: 15.236+/-0.009 χ^2/NDF:129755.0/1

+ sign 22.402+/-0.006 χ^2/NDF: 2282991.2/19

All: 21.186+/-0.004 χ^2/NDF: 6294388.9/40

- sign 19.997+/-0.006 χ^2/NDF: 3926158.6/20

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: 0.024+/-0.012 χ^2/NDF:13.9/3

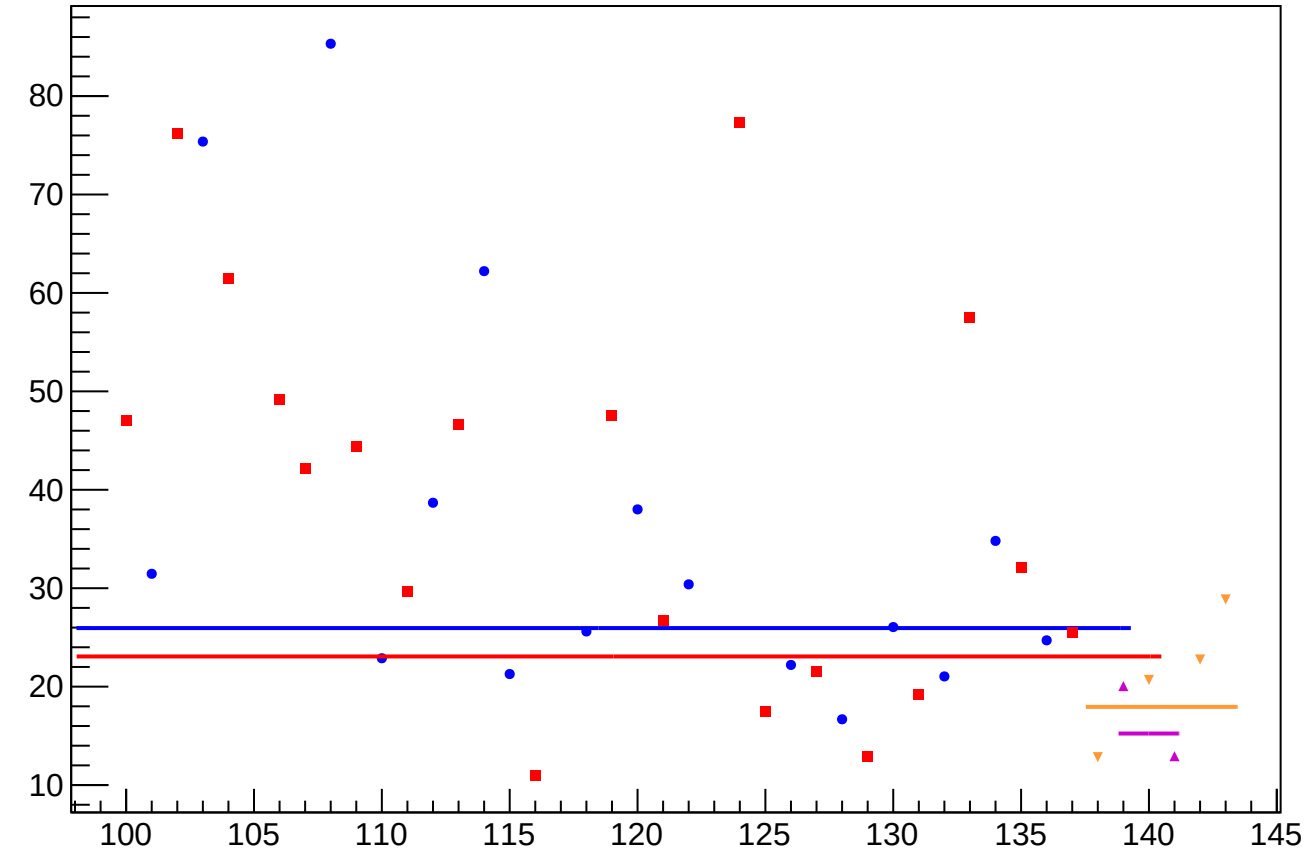
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.018+/-0.013 χ^2/NDF:1.5/1

+ sign 0.014+/-0.008 χ^2/NDF: 30.1/19

All: 0.018+/-0.006 χ^2/NDF: 39.6/40

- sign 0.022+/-0.008 χ^2/NDF: 9.1/20



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.945+/-0.009 χ^2/NDF:440433.4/3

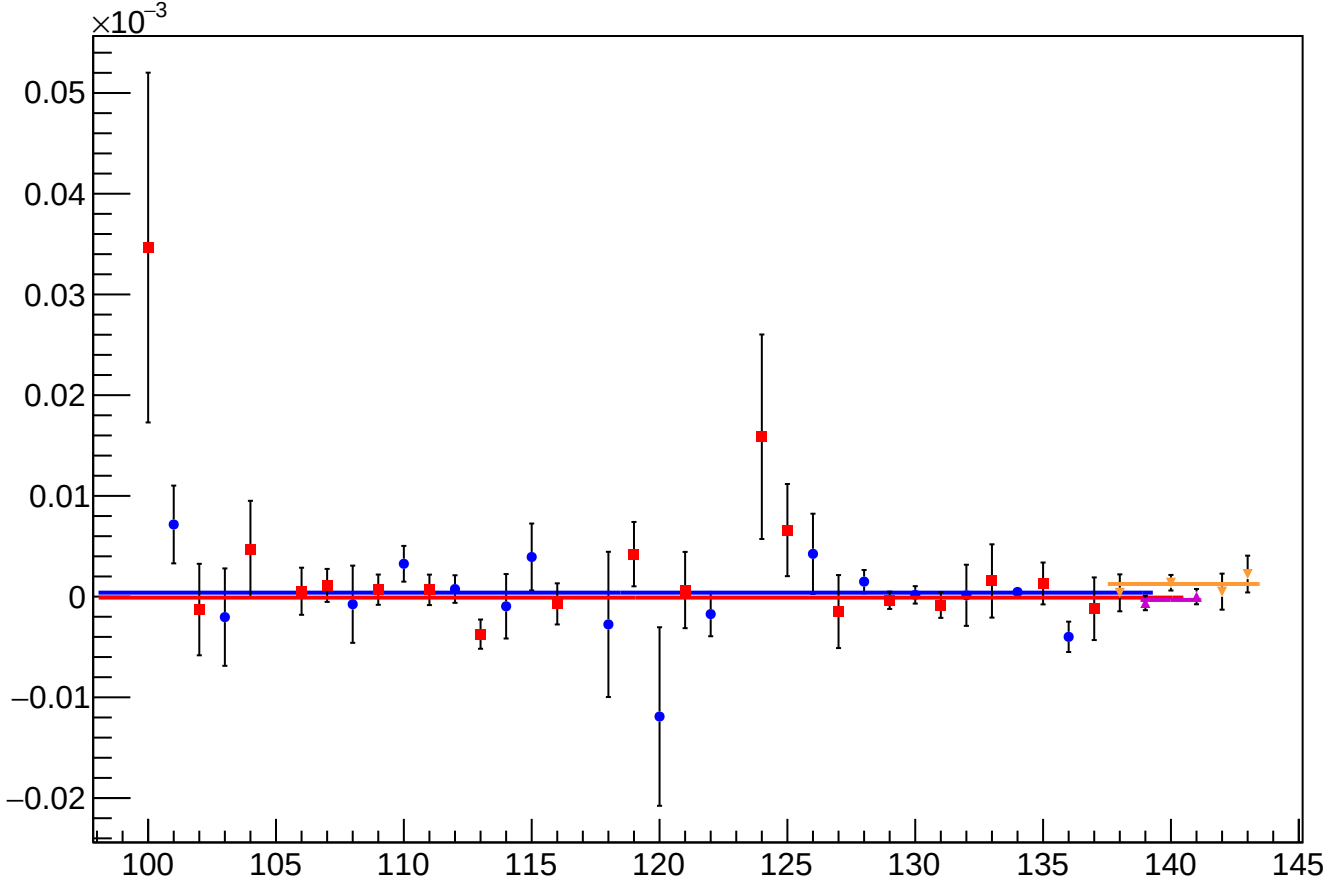
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.236+/-0.009 χ^2/NDF:129755.0/1

+ sign 22.402+/-0.006 χ^2/NDF: 2282991.2/19

All: 21.186+/-0.004 χ^2/NDF: 6294388.9/40

- sign 19.997+/-0.006 χ^2/NDF: 3926158.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/3

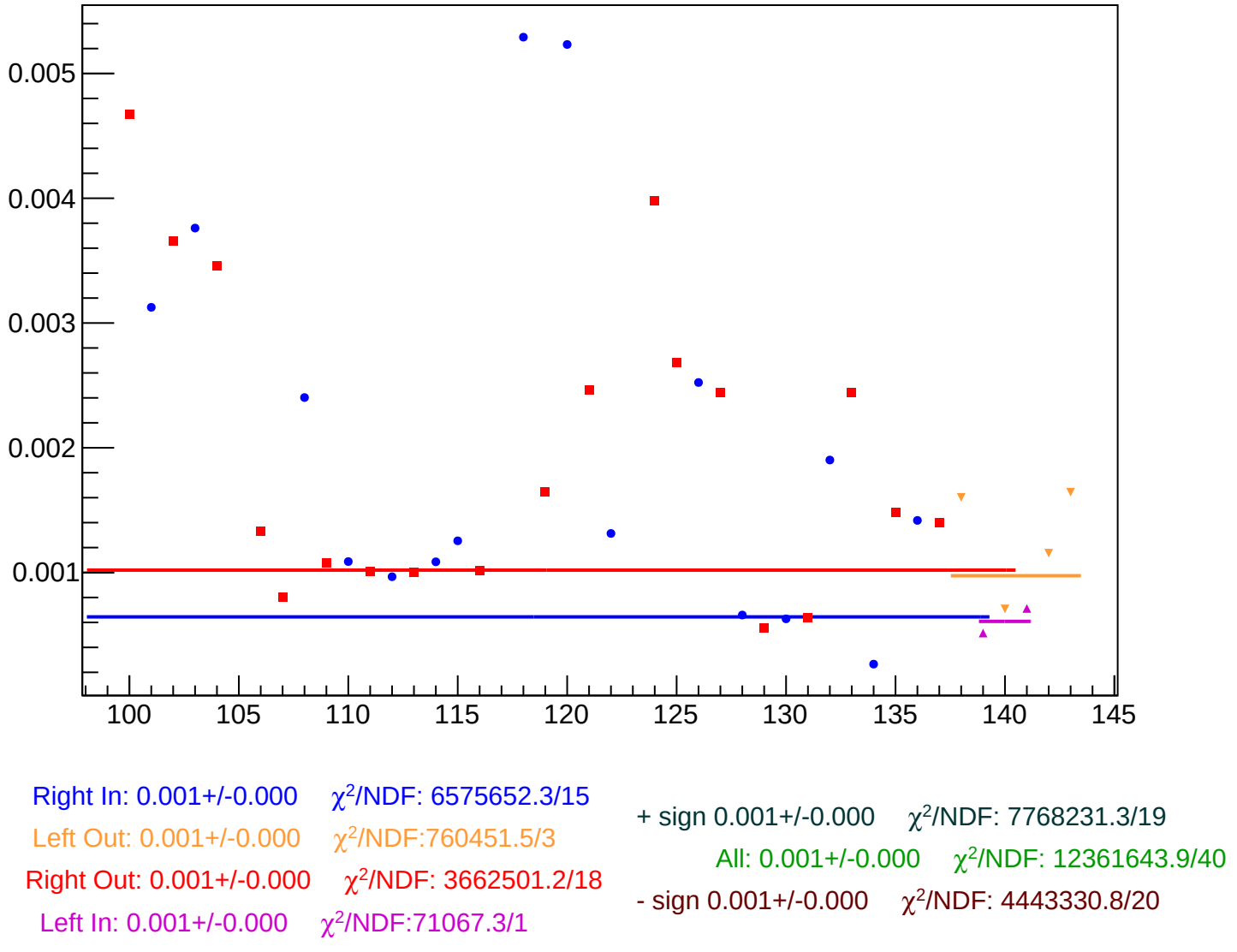
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

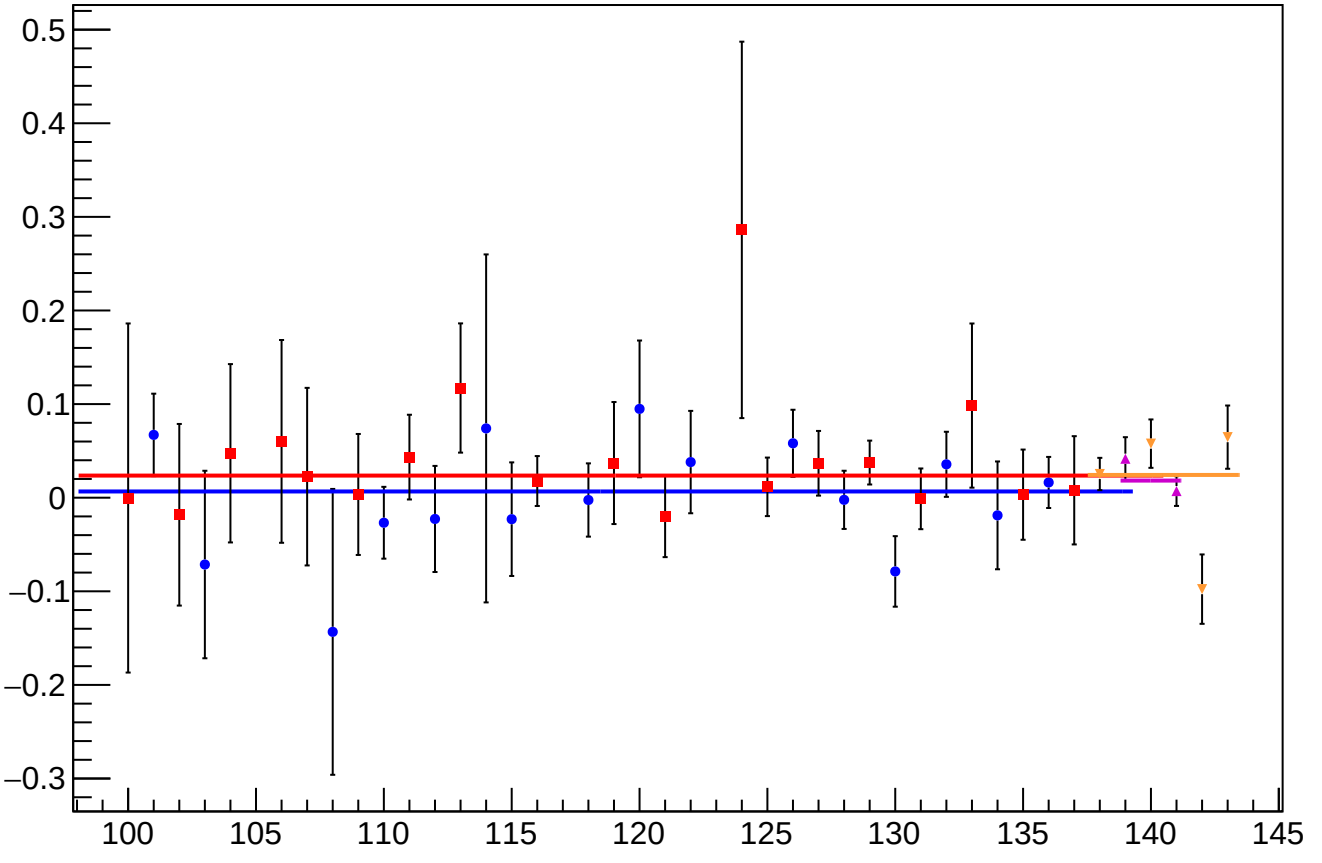
+ sign 0.000+/-0.000 χ^2/NDF: 23.1/19

All: 0.000+/-0.000 χ^2/NDF: 47.0/40

- sign -0.000+/-0.000 χ^2/NDF: 20.9/20


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
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.001+/-0.000 χ²/NDF:760451.5/3
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.001+/-0.000 χ²/NDF:71067.3/1
+ sign 0.001+/-0.000 χ²/NDF: 7768231.3/19
All: 0.001+/-0.000 χ²/NDF: 12361643.9/40
- sign 0.001+/-0.000 χ²/NDF: 4443330.8/20

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: 0.024+/-0.012 χ^2/NDF:13.9/3

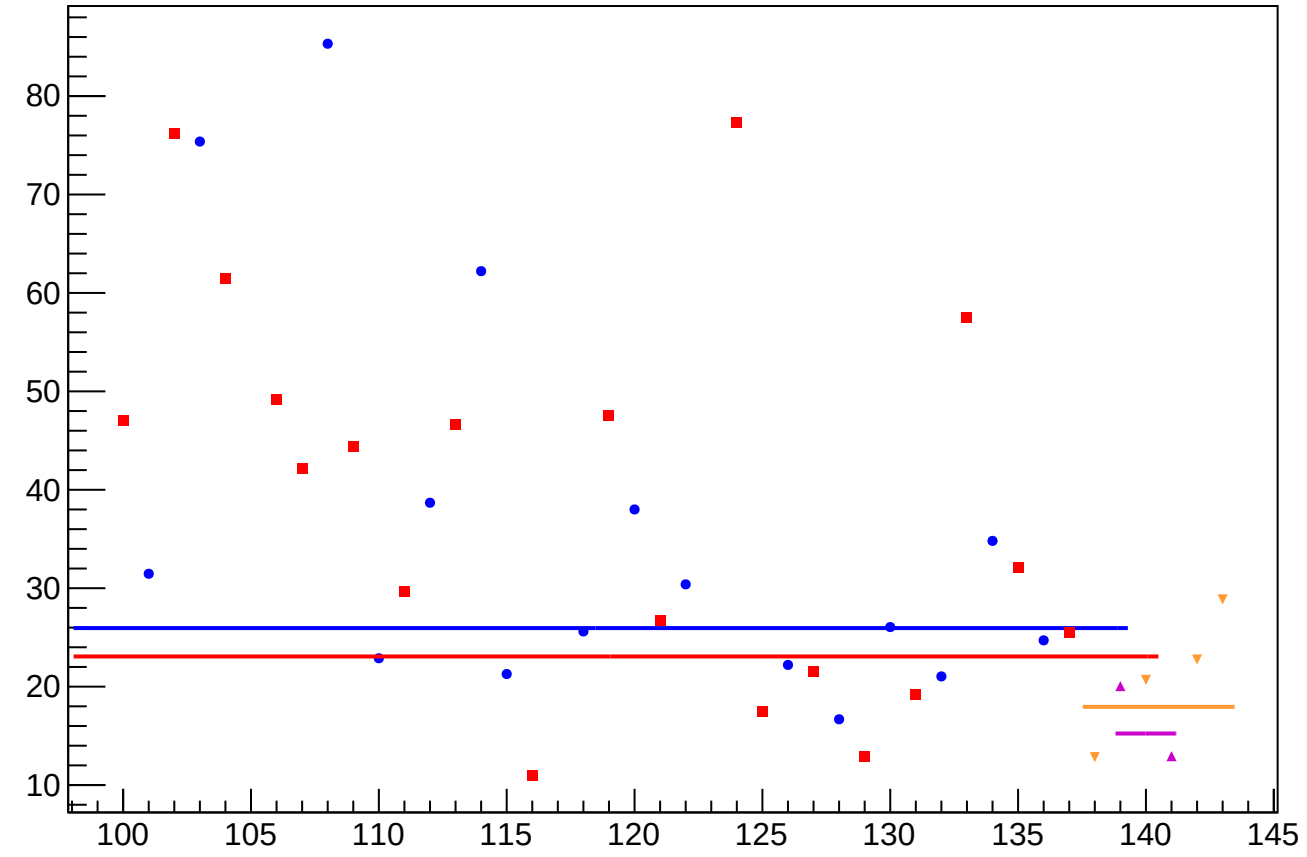
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.018+/-0.013 χ^2/NDF:1.5/1

+ sign 0.014+/-0.008 χ^2/NDF: 30.1/19

All: 0.018+/-0.006 χ^2/NDF: 39.6/40

- sign 0.022+/-0.008 χ^2/NDF: 9.1/20



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.946+/-0.009 χ^2/NDF:440417.5/3

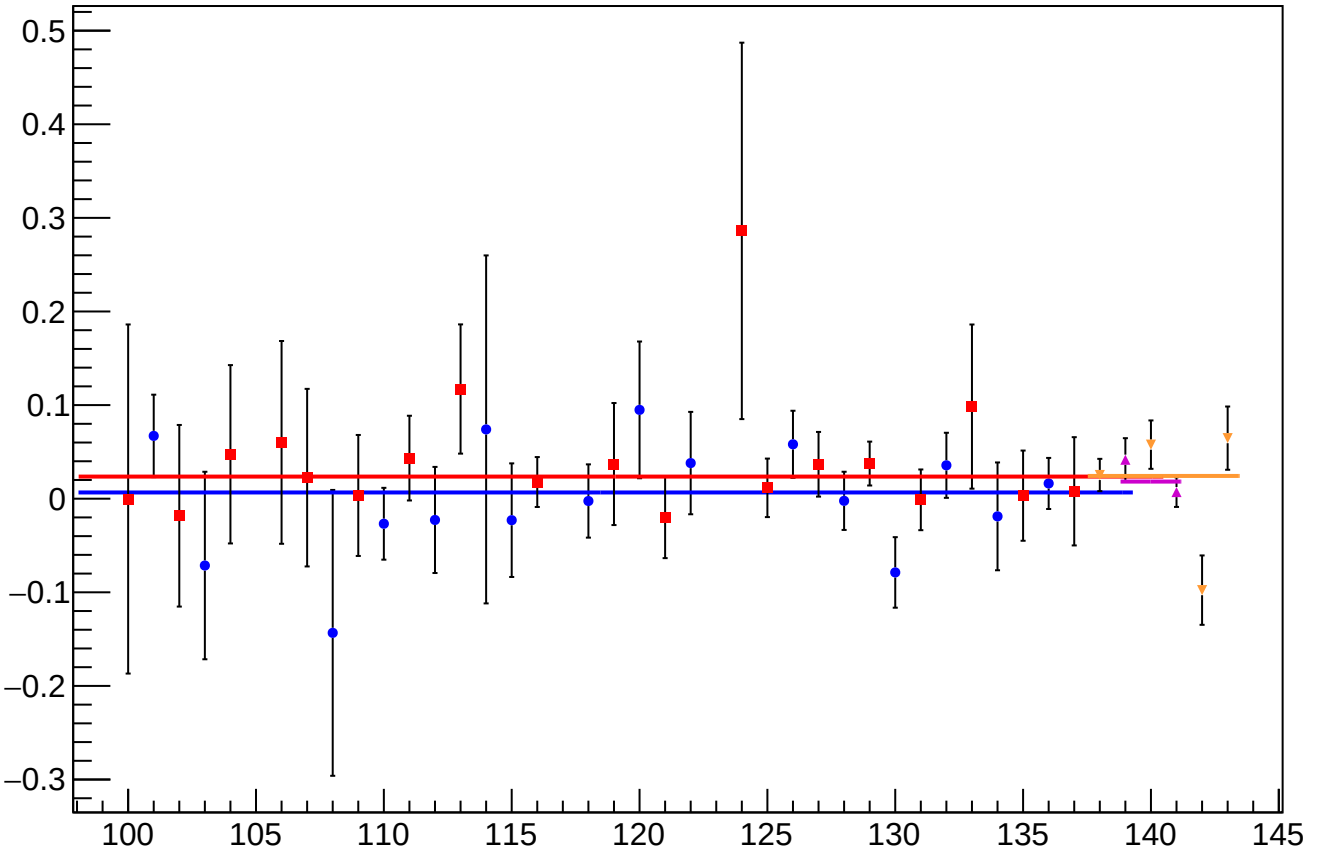
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.237+/-0.009 χ^2/NDF:129722.8/1

+ sign 22.402+/-0.006 χ^2/NDF: 2282871.6/19

All: 21.186+/-0.004 χ^2/NDF: 6294091.9/40

- sign 19.998+/-0.006 χ^2/NDF: 3925971.8/20



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

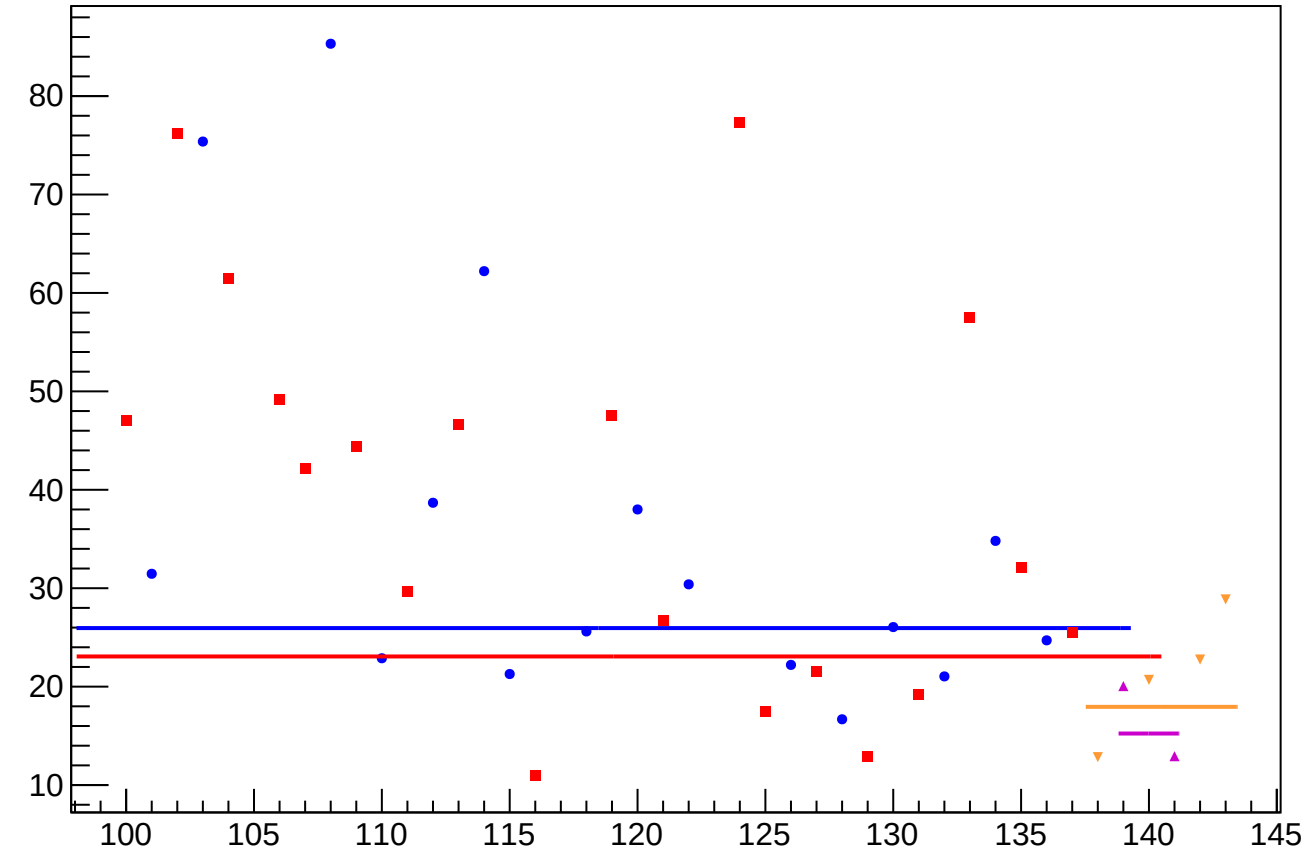
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.018+/-0.013 χ^2/NDF:1.5/1

+ sign 0.014+/-0.008 χ^2/NDF: 30.1/19

All: 0.018+/-0.006 χ^2/NDF: 39.6/40

- sign 0.022+/-0.008 χ^2/NDF: 9.1/20



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.946+/-0.009 χ^2/NDF:440417.5/3

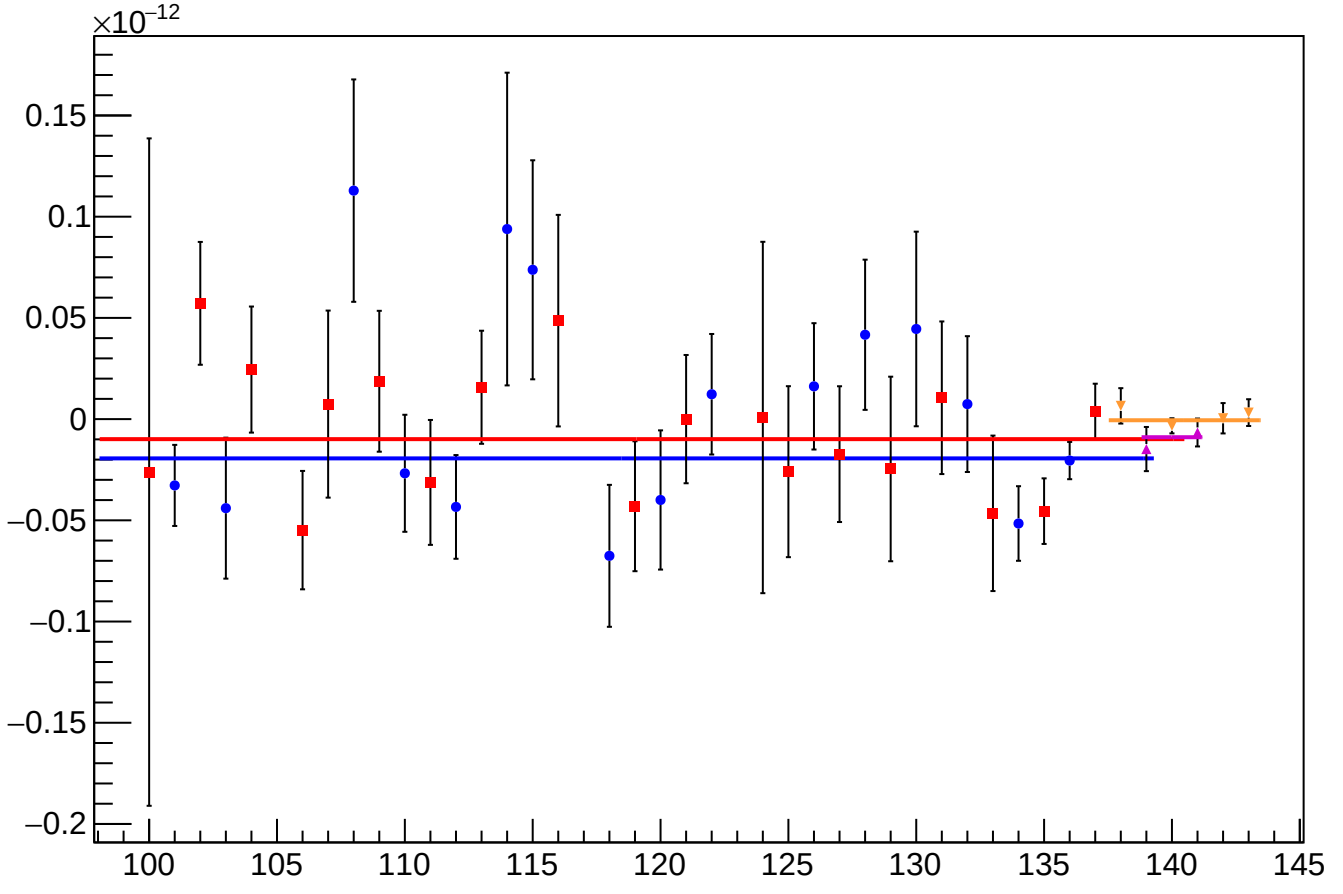
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.237+/-0.009 χ^2/NDF:129722.8/1

+ sign 22.402+/-0.006 χ^2/NDF: 2282871.6/19

All: 21.186+/-0.004 χ^2/NDF: 6294091.9/40

- sign 19.998+/-0.006 χ^2/NDF: 3925971.8/20



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/3

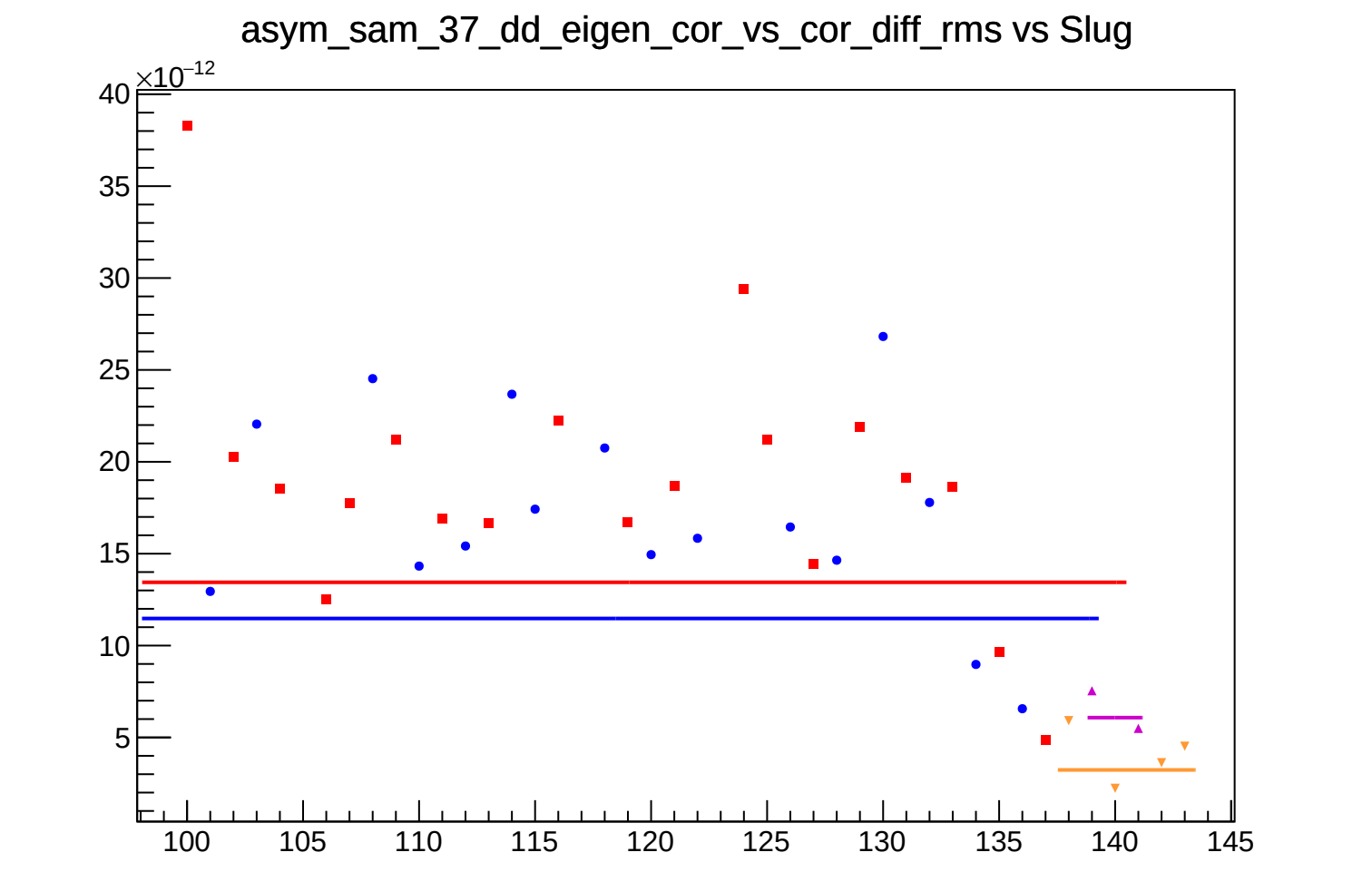
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/19

All: -0.000+/-0.000 χ^2/NDF: 57.1/40

- sign -0.000+/-0.000 χ^2/NDF: 20.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:413779.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

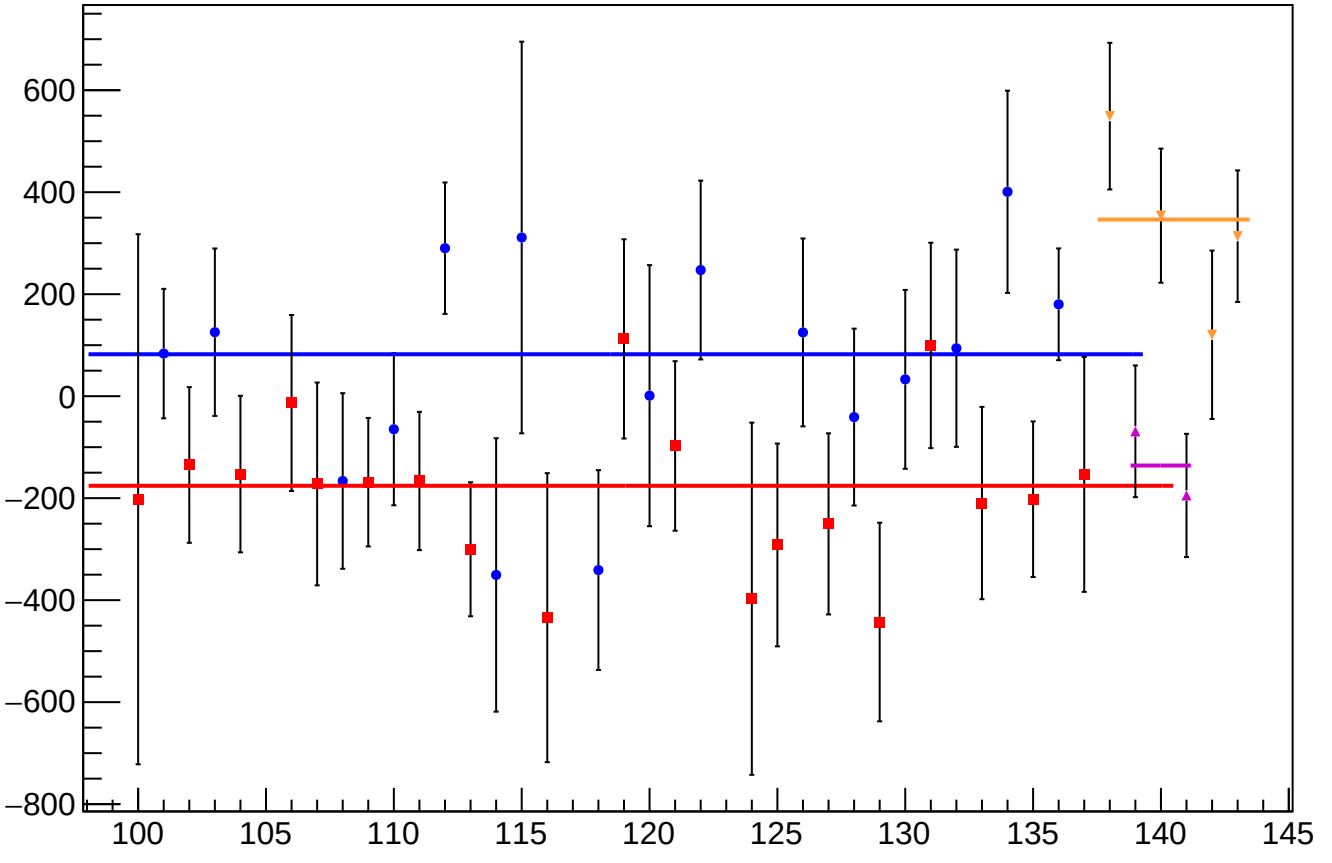
Left In: 0.000+/-0.000 χ^2/NDF:50281.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 5075442.4/19

All: 0.000+/-0.000 χ^2/NDF: 9707795.7/40

- sign 0.000+/-0.000 χ^2/NDF: 3079957.5/20

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.363+/-70.200 χ^2/NDF:3.9/3

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

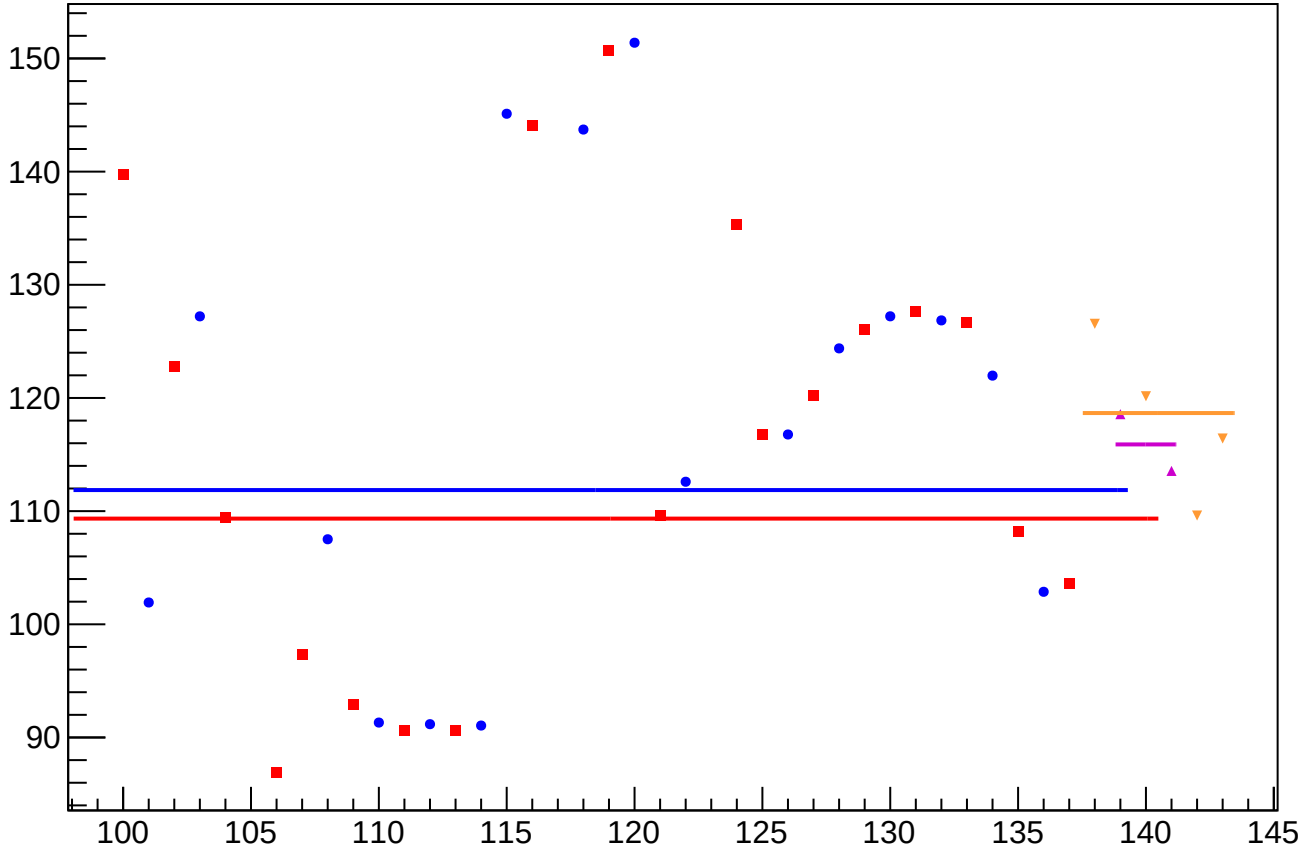
Left In: -135.996+/-88.249 χ^2/NDF:0.5/1

+ sign 152.155+/-36.126 χ^2/NDF: 32.7/19

All: -4.739+/-25.827 χ^2/NDF: 81.8/40

- sign -168.770+/-36.938 χ^2/NDF: 10.5/20

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

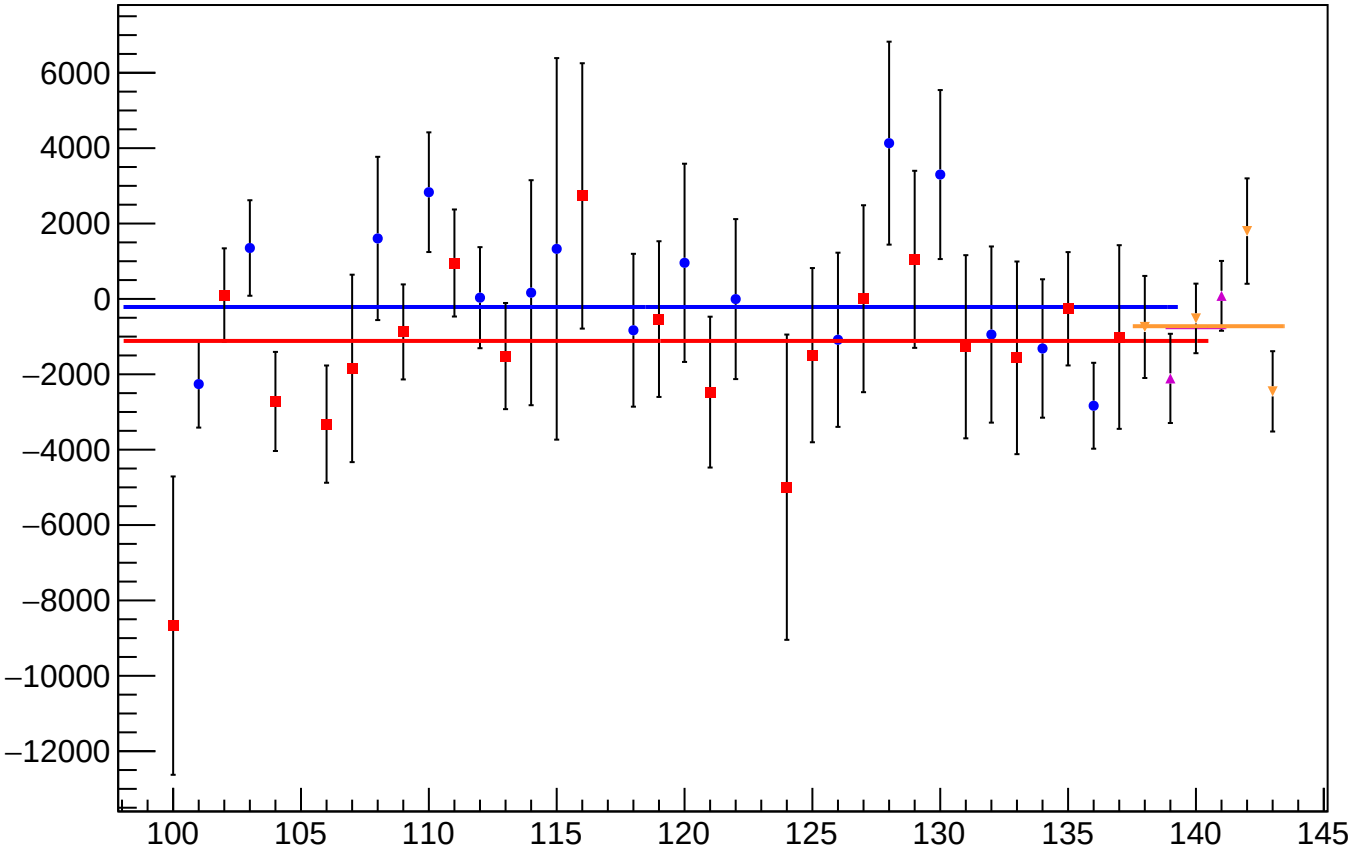
Left In: 115.895+/-0.062 χ^2/NDF:1606.7/1

\+ sign 113.664+/-0.026 χ^2/NDF: 332736.4/19

All: 112.112+/-0.018 χ^2/NDF: 718218.7/40

\- sign 110.489+/-0.026 χ^2/NDF: 377926.5/20

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -723.968+/-566.922 χ^2/NDF:5.9/3

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

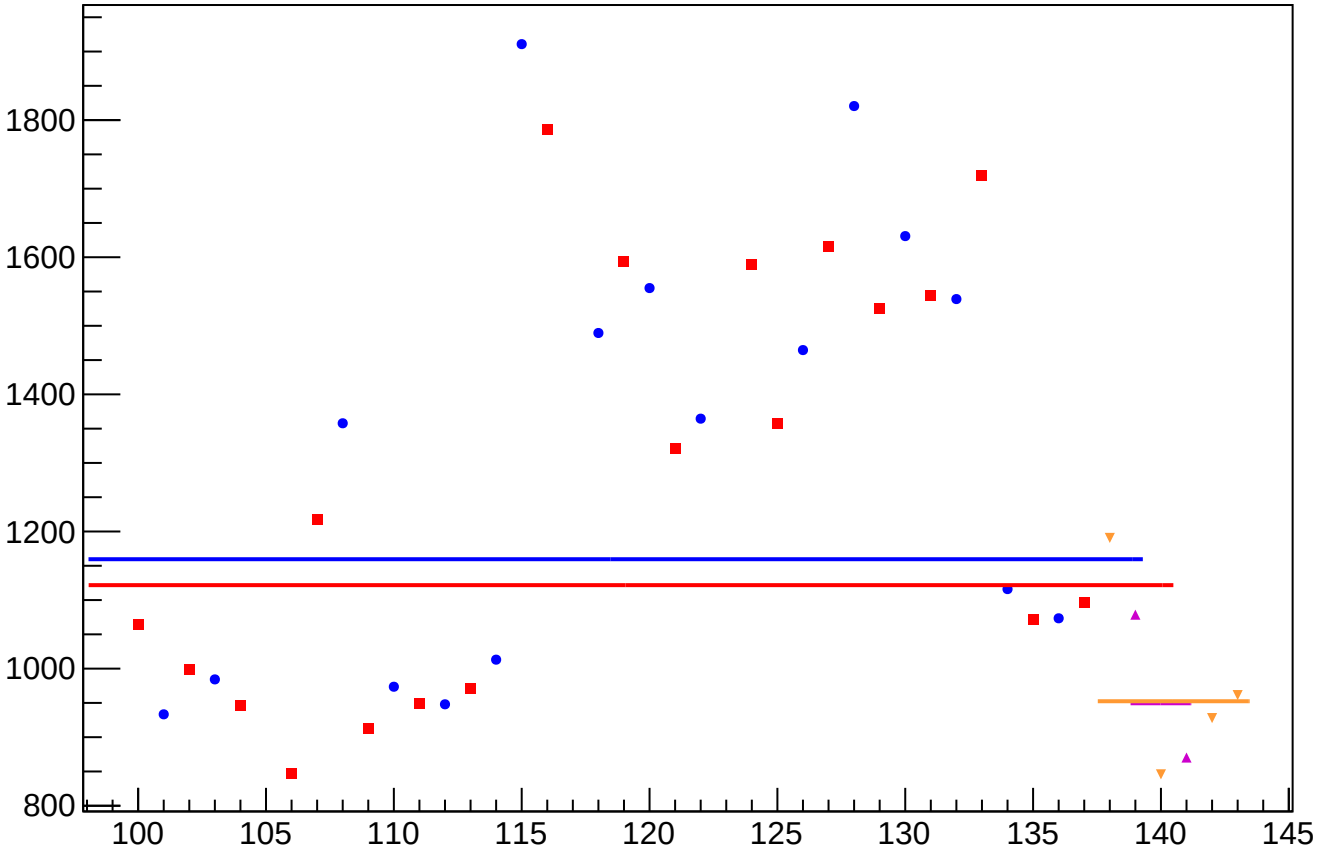
Left In: -750.548+/-729.501 χ^2/NDF:2.1/1

+ sign -407.974+/-349.537 χ^2/NDF: 26.9/19

All: -701.408+/-252.766 χ^2/NDF: 45.2/40

- sign -1023.059+/-365.957 χ^2/NDF: 16.8/20

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 952.432+/-0.401 χ^2/NDF:89339.2/3

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

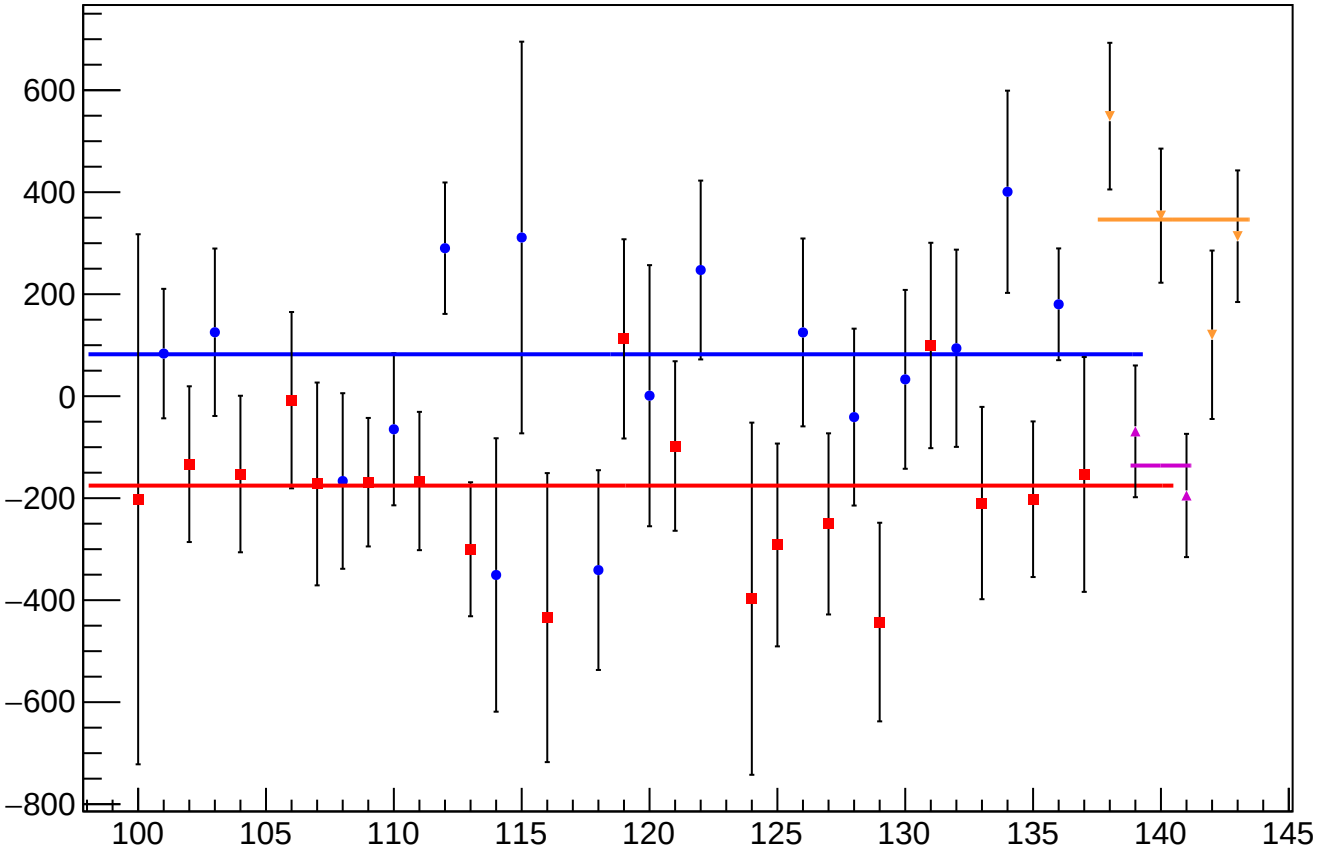
Left In: 949.483+/-0.516 χ^2/NDF:38432.3/1

+ sign 1080.827+/-0.247 χ^2/NDF: 938527.8/19

All: 1079.669+/-0.179 χ^2/NDF: 1842742.4/40

- sign 1078.399+/-0.259 χ^2/NDF: 904168.6/20

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.371+/-70.200 χ^2/NDF:3.9/3

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

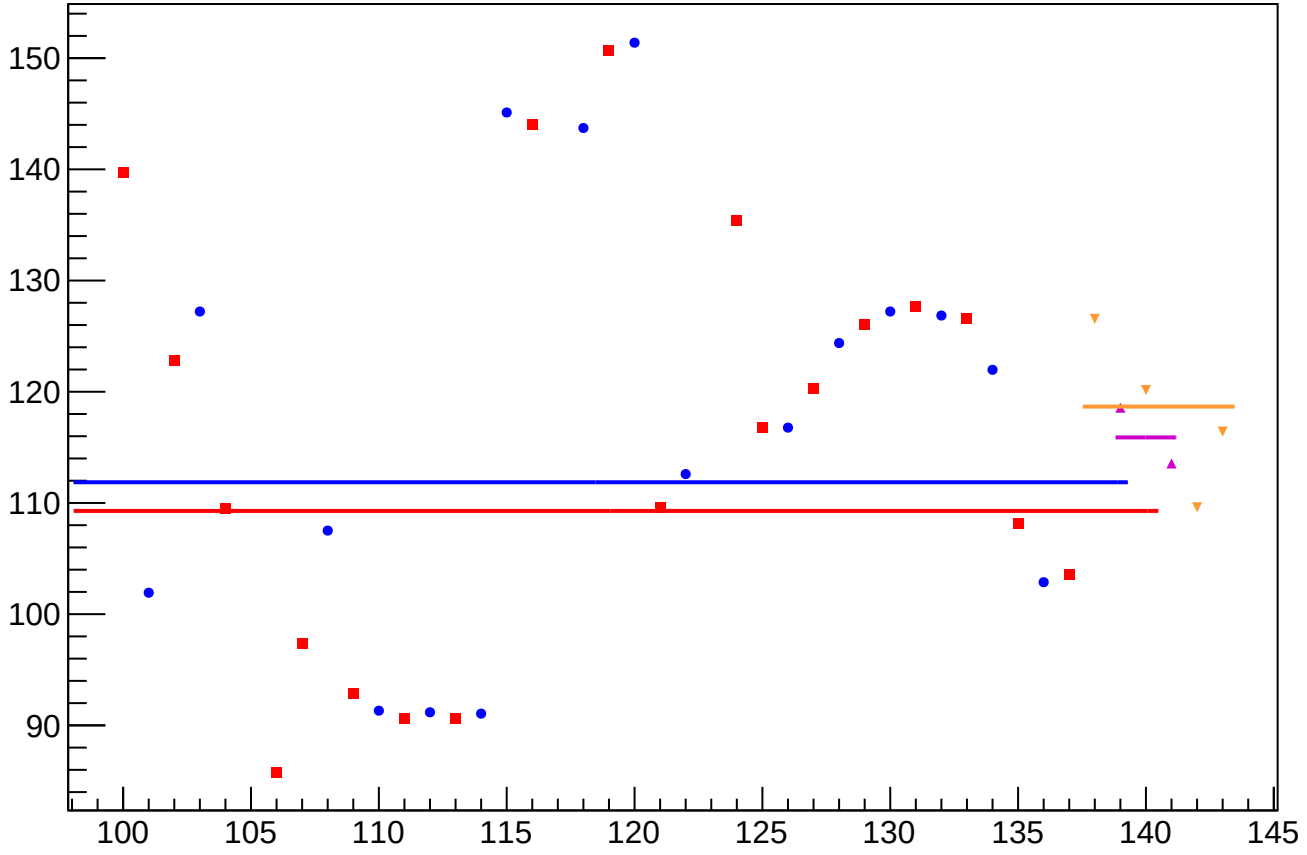
Left In: -136.008+/-88.249 χ^2/NDF:0.5/1

+ sign 152.148+/-36.126 χ^2/NDF: 32.7/19

All: -4.567+/-25.829 χ^2/NDF: 81.8/40

- sign -168.446+/-36.942 χ^2/NDF: 10.6/20

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

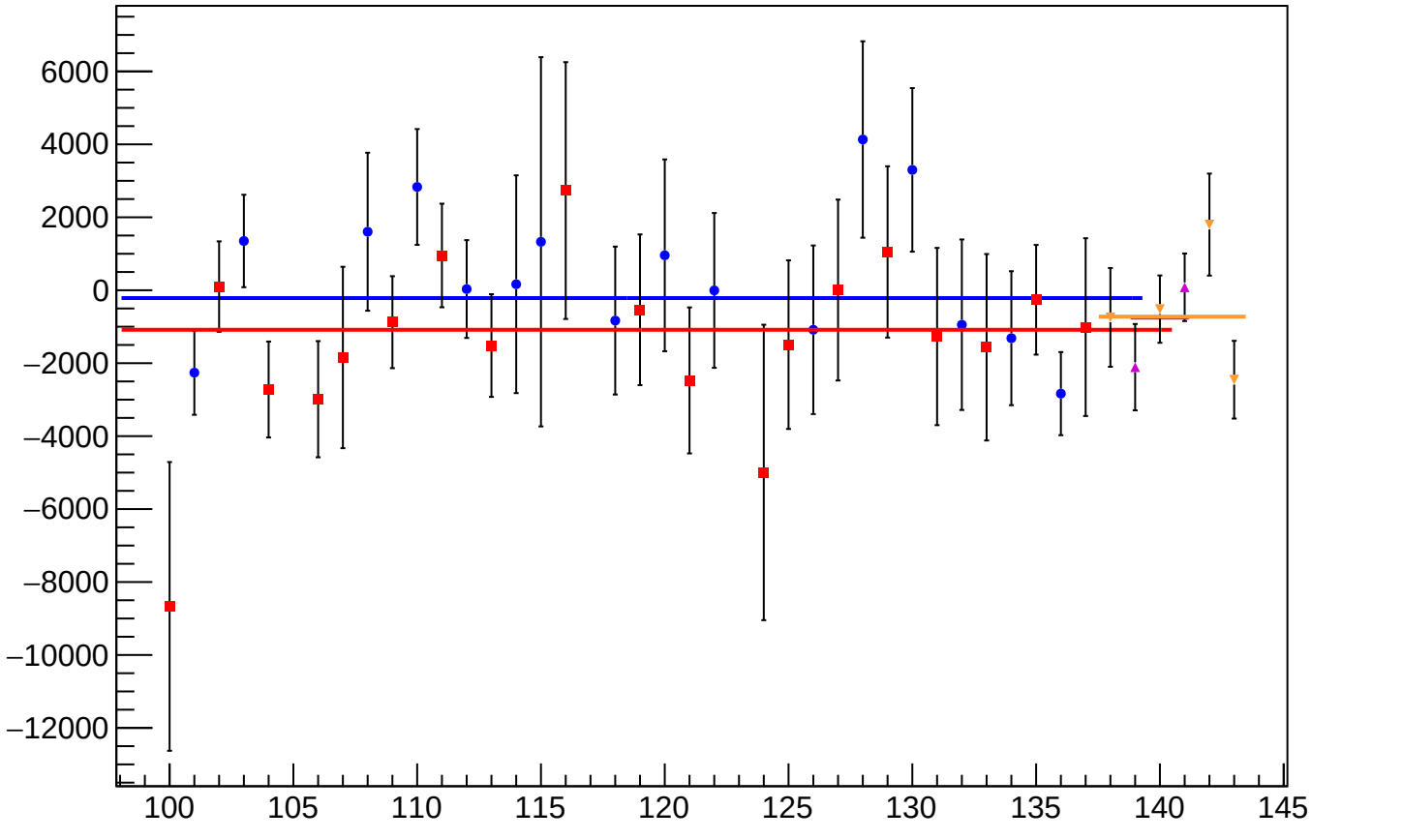
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.895+/-0.062 χ^2/NDF:1606.7/1

\+ sign 113.664+/-0.026 χ^2/NDF: 332737.4/19

All: 112.089+/-0.018 χ^2/NDF: 722087.3/40

\- sign 110.443+/-0.026 χ^2/NDF: 381574.3/20



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -723.951+/-566.921 χ^2/NDF:5.9/3

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

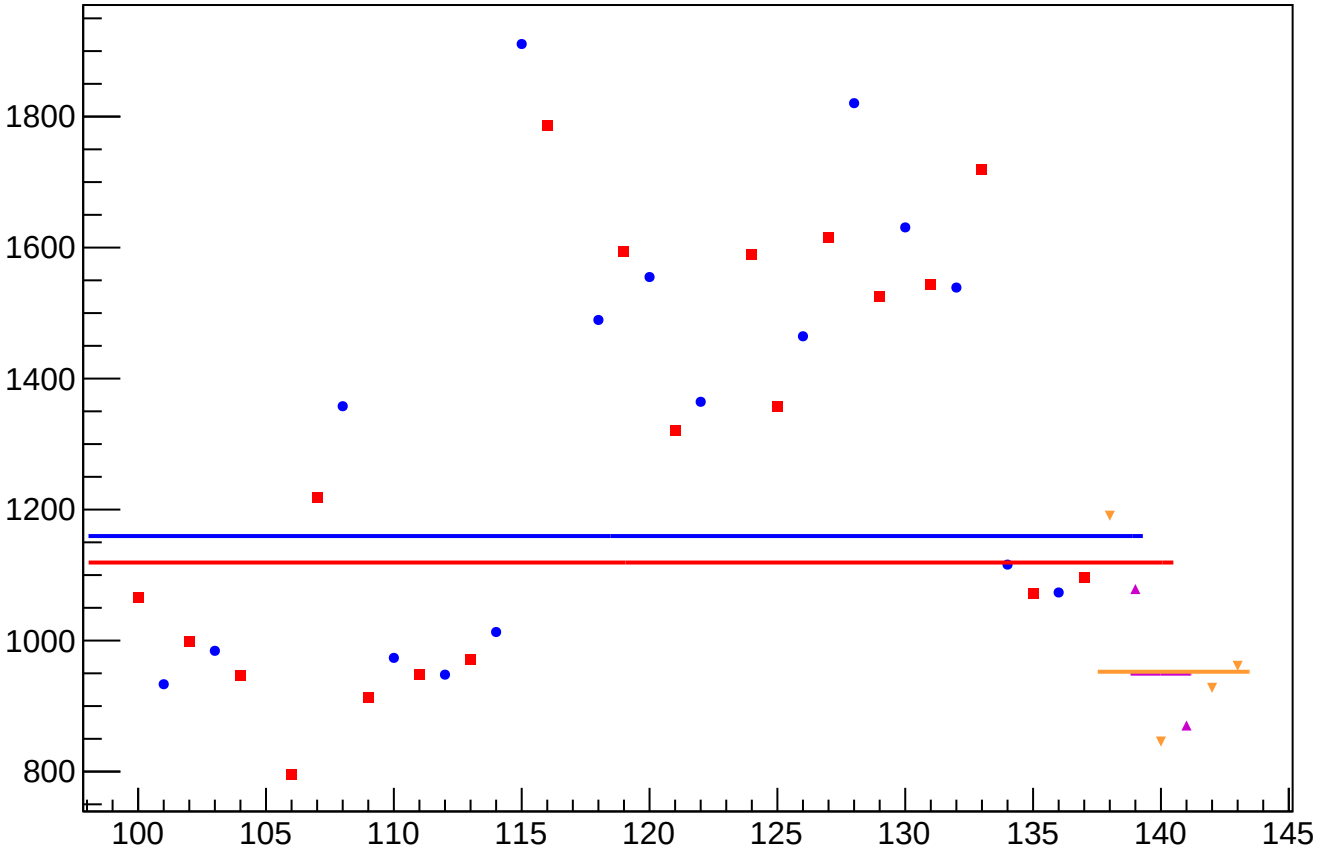
Left In: -750.574+/-729.501 χ^2/NDF:2.1/1

+ sign -408.026+/-349.539 χ^2/NDF: 26.9/19

All: -689.971+/-252.923 χ^2/NDF: 44.4/40

- sign -999.830+/-366.433 χ^2/NDF: 16.2/20

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 952.431+/-0.401 χ^2/NDF:89339.5/3

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

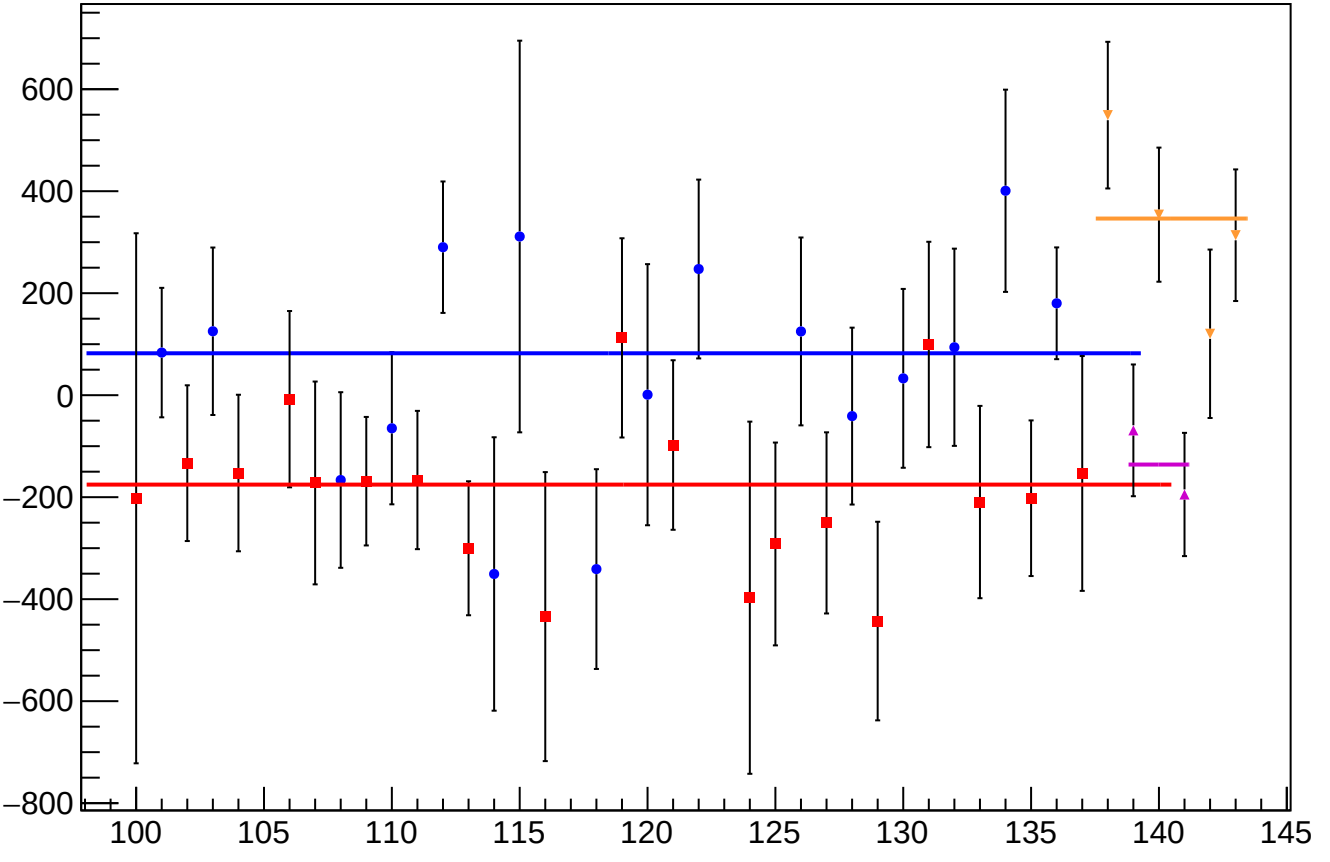
Left In: 949.483+/-0.516 χ^2/NDF:38431.6/1

+ sign 1080.832+/-0.247 χ^2/NDF: 938512.6/19

All: 1078.694+/-0.179 χ^2/NDF: 1861151.1/40

- sign 1076.345+/-0.259 χ^2/NDF: 922481.5/20

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.371+/-70.200 χ^2/NDF:3.9/3

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

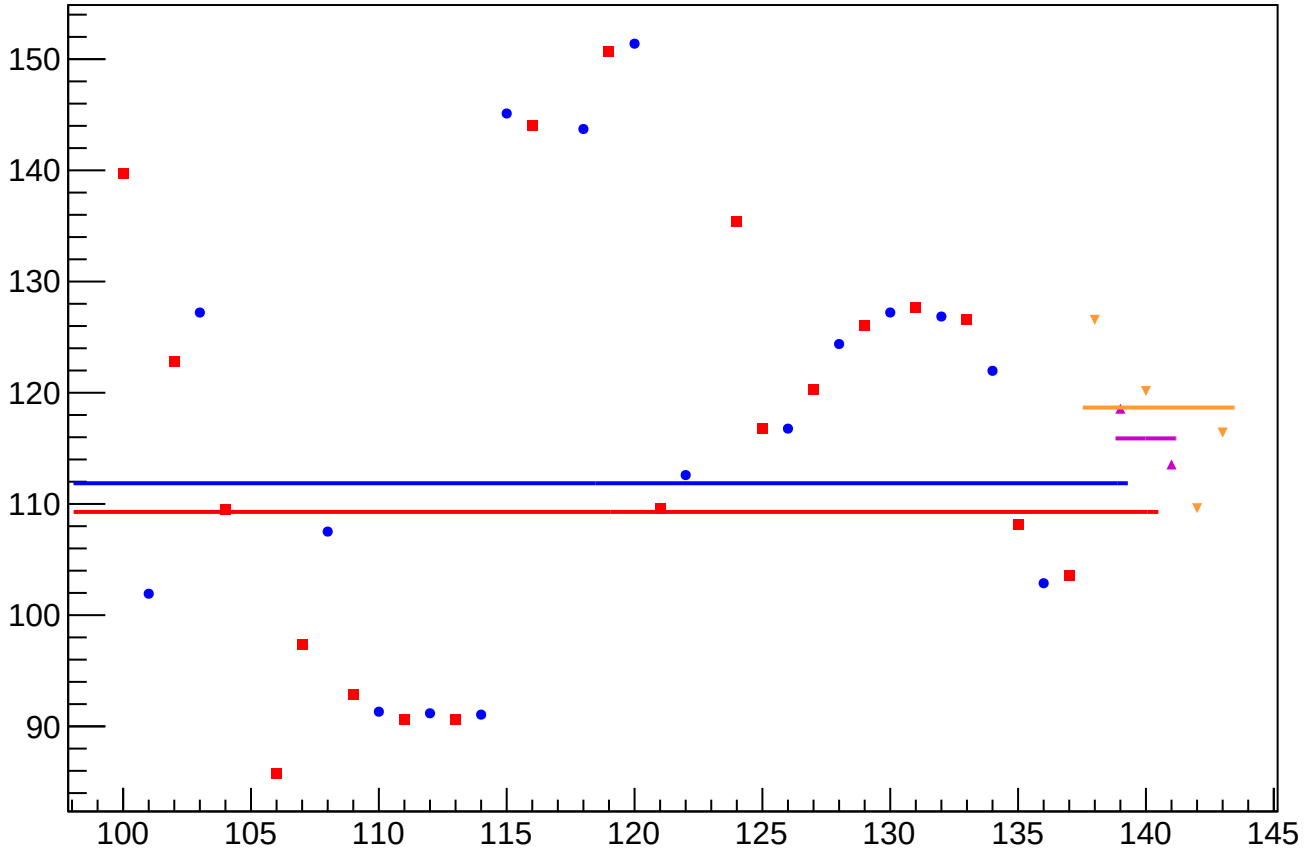
Left In: -136.008+/-88.249 χ^2/NDF:0.5/1

+ sign 152.148+/-36.126 χ^2/NDF: 32.7/19

All: -4.567+/-25.829 χ^2/NDF: 81.8/40

- sign -168.446+/-36.942 χ^2/NDF: 10.6/20

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

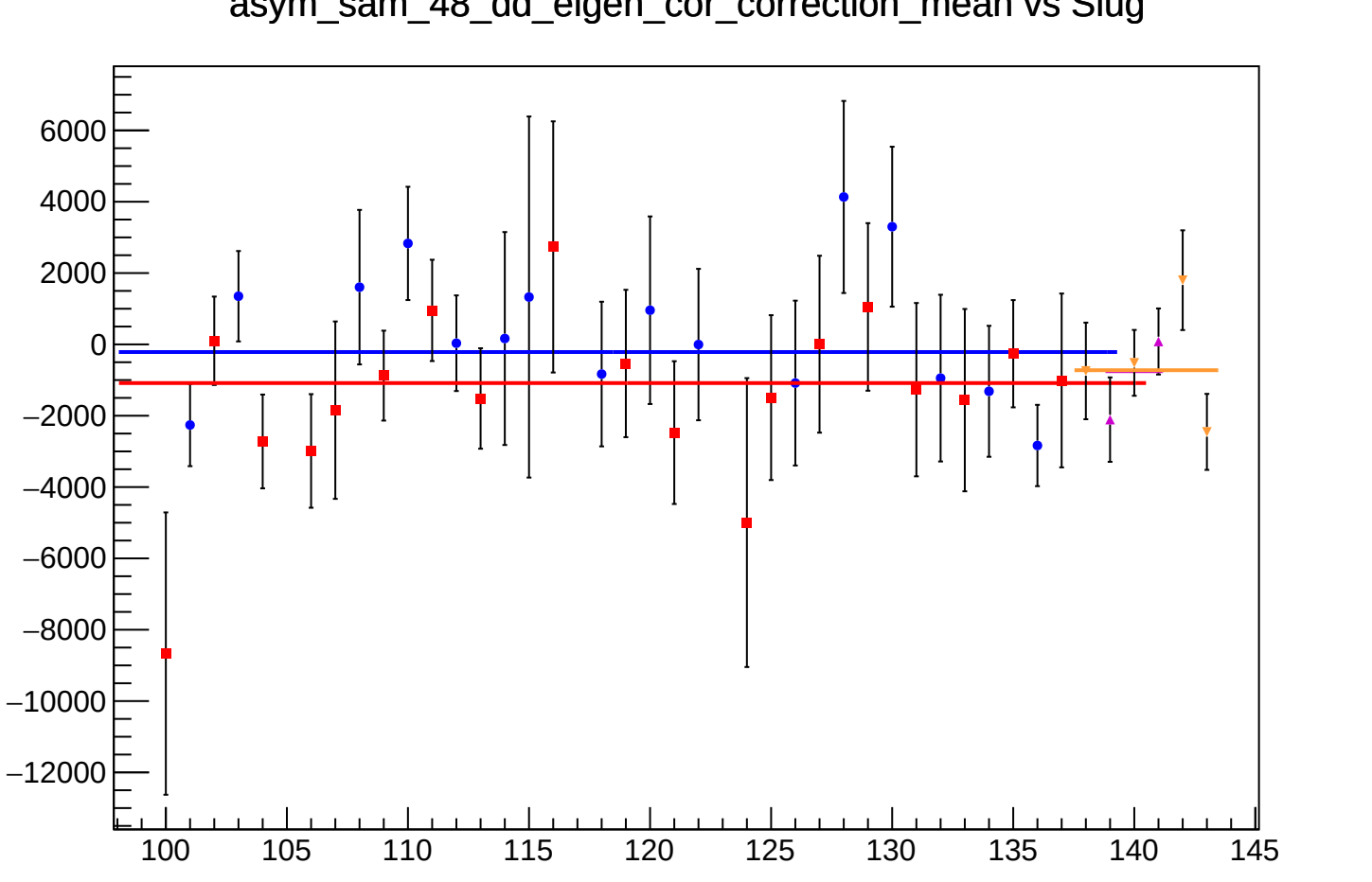
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.895+/-0.062 χ^2/NDF:1606.7/1

\+ sign 113.664+/-0.026 χ^2/NDF: 332737.4/19

All: 112.089+/-0.018 χ^2/NDF: 722087.3/40

\- sign 110.443+/-0.026 χ^2/NDF: 381574.3/20



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -723.951+/-566.921 χ^2/NDF:5.9/3

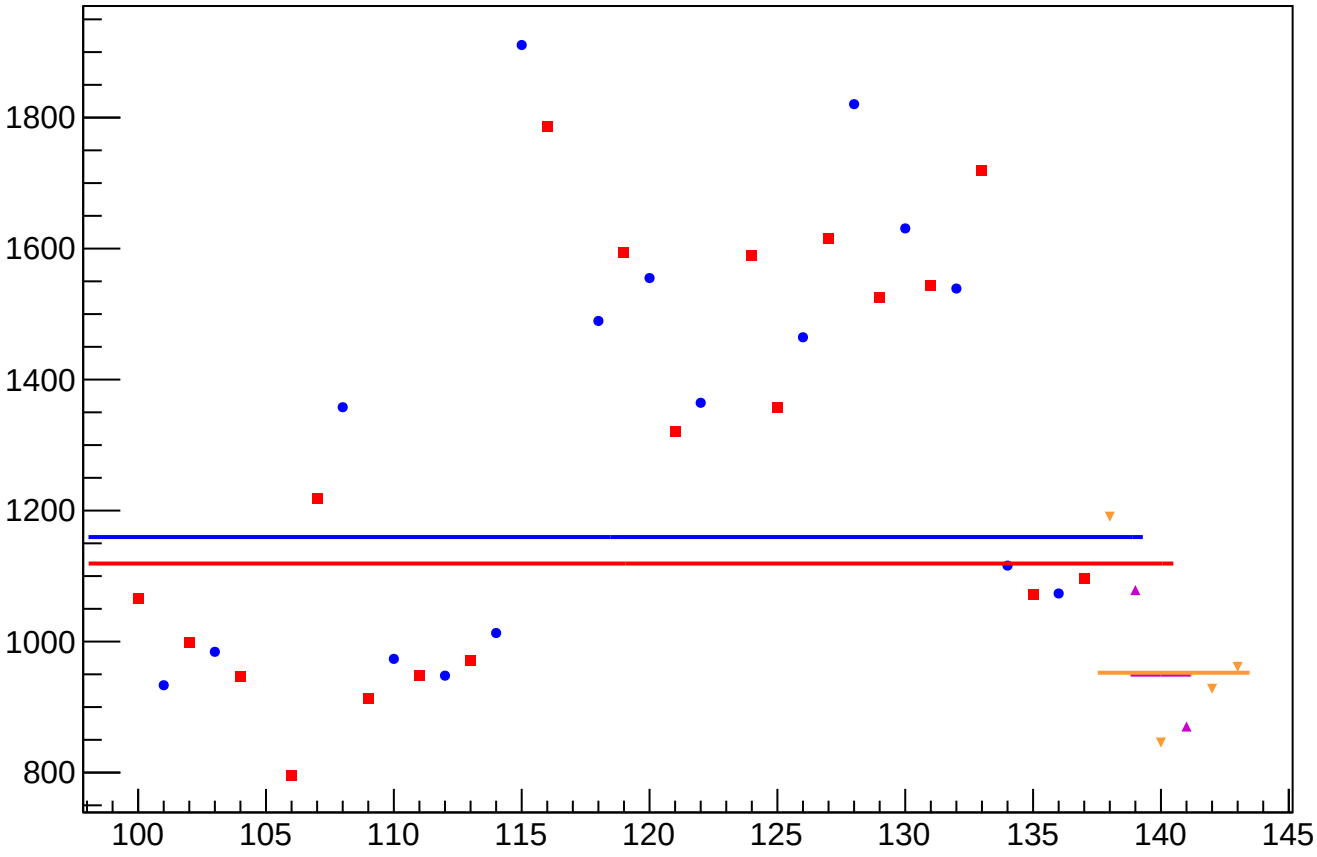
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -750.574+/-729.501 χ^2/NDF:2.1/1

+ sign -408.026+/-349.539 χ^2/NDF: 26.9/19

All: -689.971+/-252.923 χ^2/NDF: 44.4/40

- sign -999.830+/-366.433 χ^2/NDF: 16.2/20



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 952.431+/-0.401 χ^2/NDF:89339.5/3

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

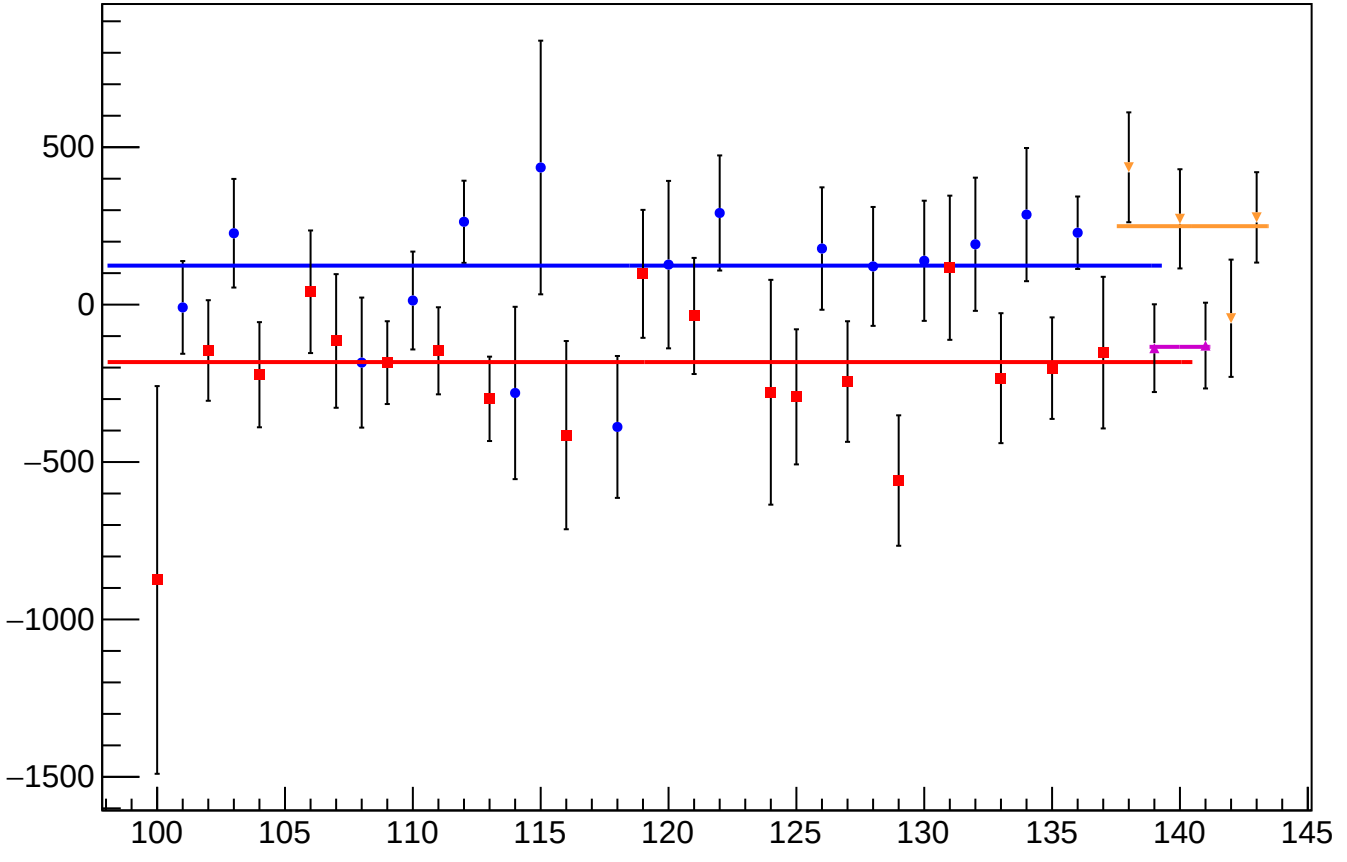
Left In: 949.483+/-0.516 χ^2/NDF:38431.6/1

+ sign 1080.832+/-0.247 χ^2/NDF: 938512.6/19

All: 1078.694+/-0.179 χ^2/NDF: 1861151.1/40

- sign 1076.345+/-0.259 χ^2/NDF: 922481.5/20

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 249.179+/-81.526 χ^2/NDF:3.7/3

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

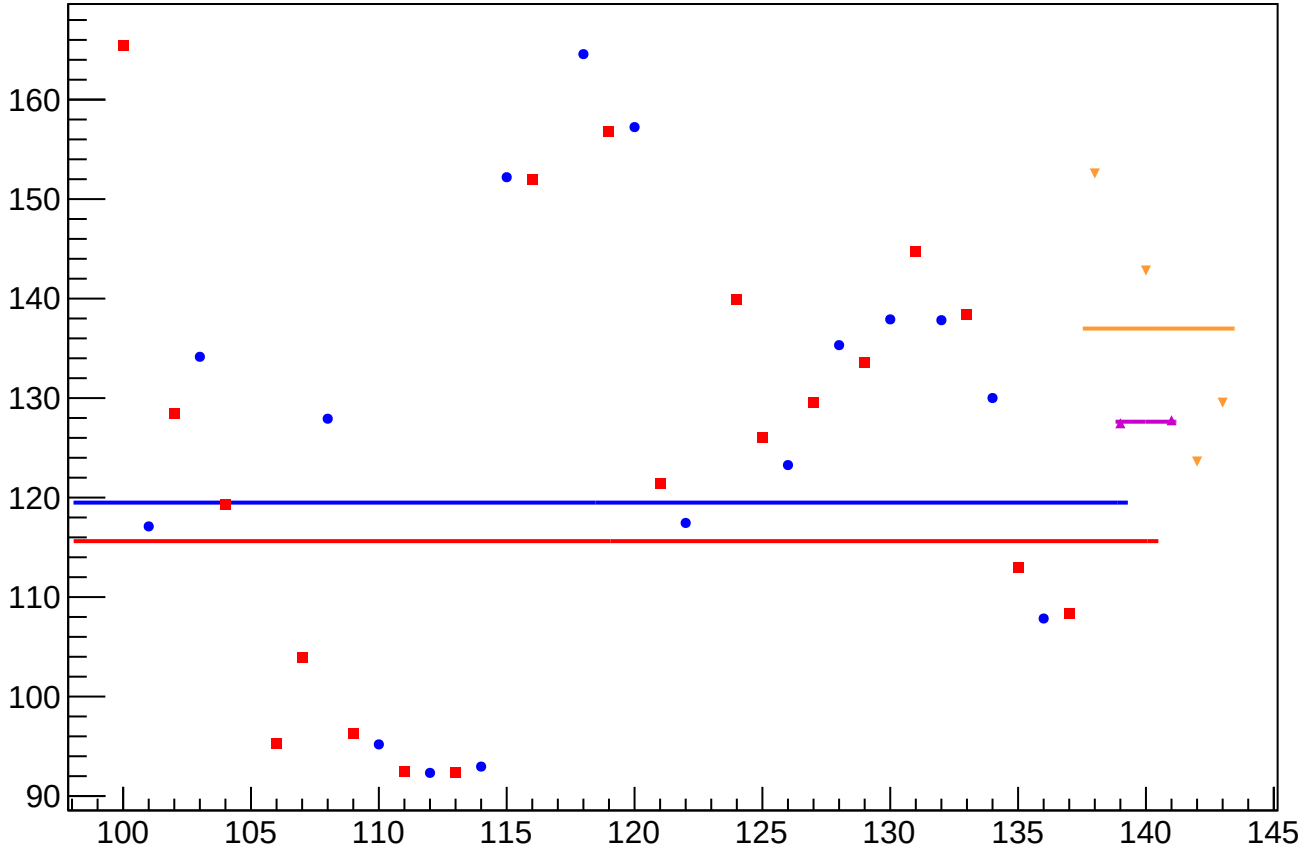
Left In: -134.094+/-97.422 χ^2/NDF:0.0/1

+ sign 153.387+/-39.556 χ^2/NDF: 20.9/19

All: -10.755+/-27.954 χ^2/NDF: 67.8/40

- sign -174.511+/-39.510 χ^2/NDF: 12.5/20

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 136.988+/-0.058 χ^2/NDF:34379.5/3

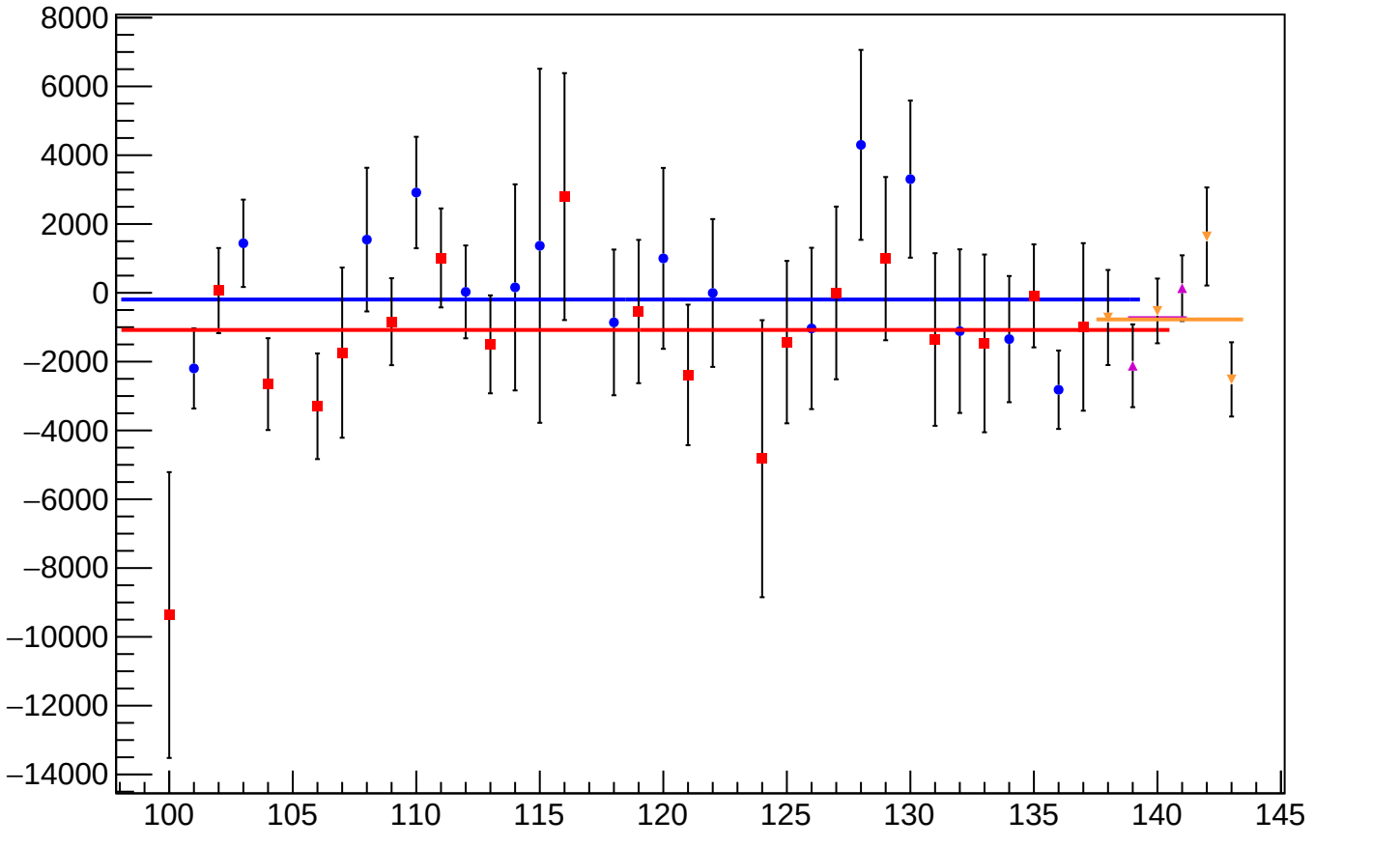
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 127.626+/-0.069 χ^2/NDF:4.9/1

+ sign 123.613+/-0.028 χ^2/NDF: 485036.3/19

All: 120.601+/-0.020 χ^2/NDF: 960536.1/40

- sign 117.596+/-0.028 χ^2/NDF: 452336.8/20



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -773.297+/-576.931 χ^2/NDF:5.5/3

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

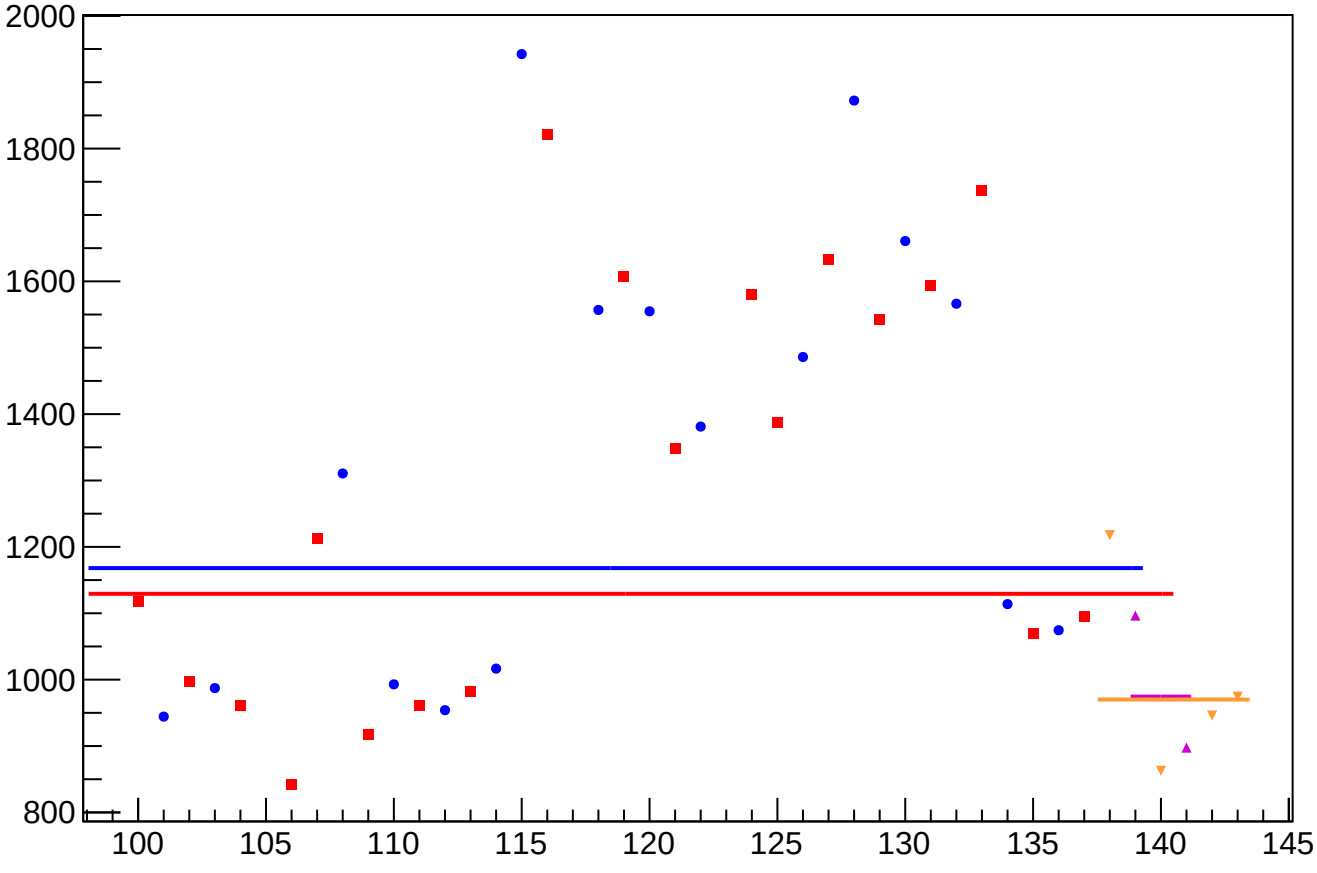
Left In: -735.814+/-748.081 χ^2/NDF:2.2/1

+ sign -412.185+/-353.516 χ^2/NDF: 26.6/19

All: -690.332+/-255.653 χ^2/NDF: 44.7/40

- sign -995.274+/-370.153 χ^2/NDF: 16.9/20

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 970.075+/-0.408 χ^2/NDF:90839.5/3

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

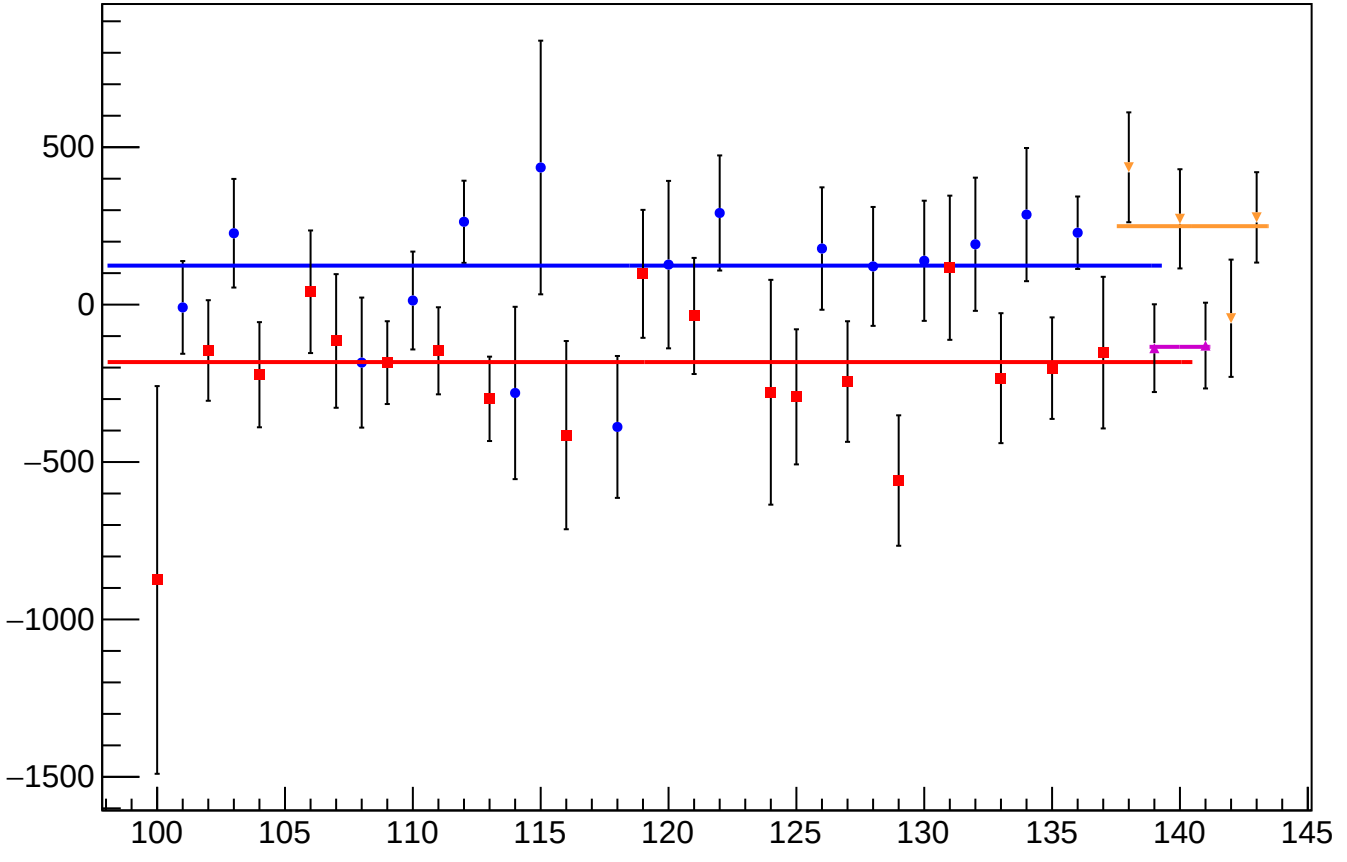
Left In: 974.437+/-0.529 χ^2/NDF:33503.2/1

+ sign 1093.725+/-0.250 χ^2/NDF: 947303.7/19

All: 1092.615+/-0.181 χ^2/NDF: 1852809.3/40

- sign 1091.397+/-0.262 χ^2/NDF: 905464.2/20

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 249.181+/-81.527 χ^2/NDF:3.7/3

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

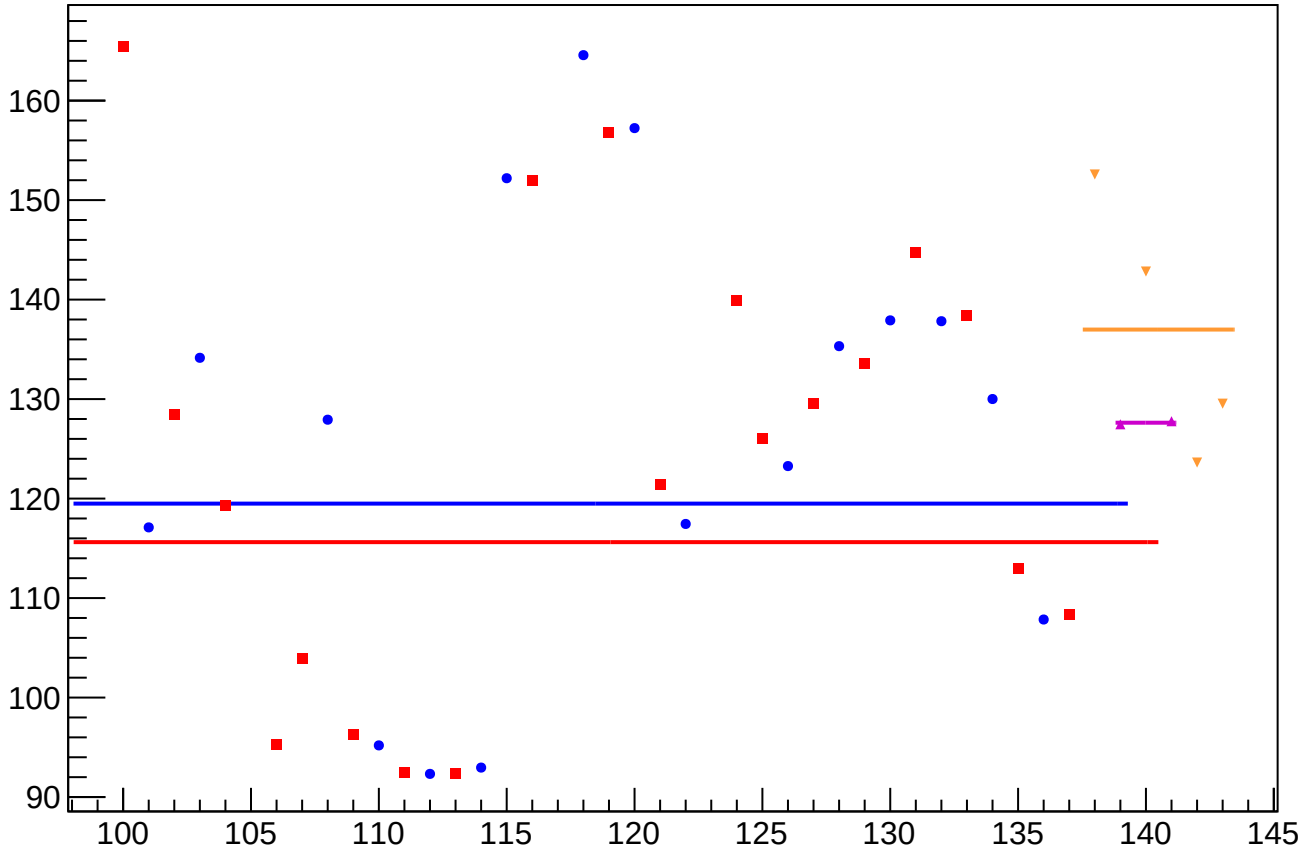
Left In: -134.093+/-97.421 χ^2/NDF:0.0/1

+ sign 153.389+/-39.556 χ^2/NDF: 20.9/19

All: -10.754+/-27.954 χ^2/NDF: 67.8/40

- sign -174.511+/-39.510 χ^2/NDF: 12.5/20

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 136.988+/-0.058 χ^2/NDF:34378.6/3

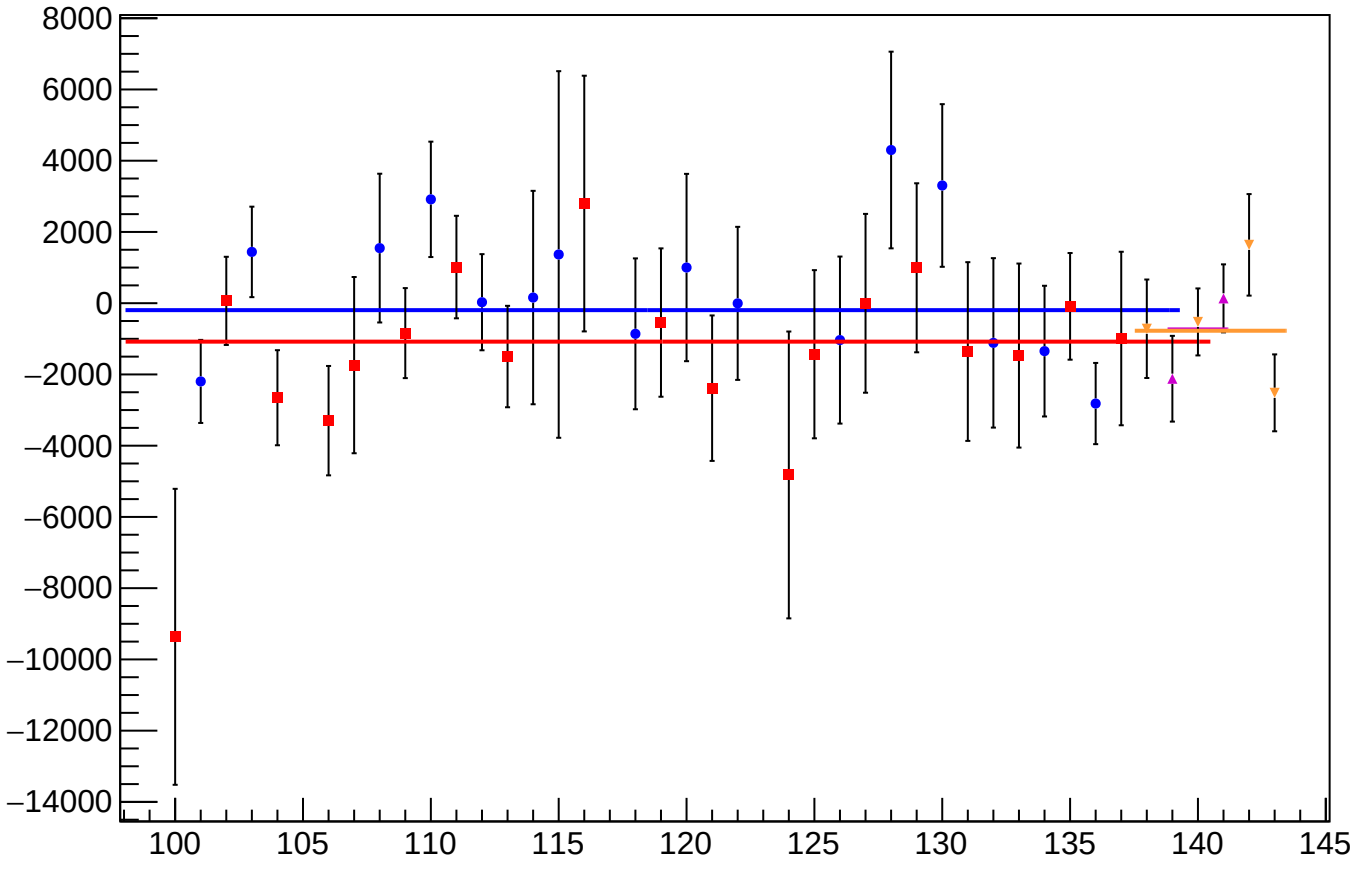
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 127.626+/-0.069 χ^2/NDF:5.0/1

+ sign 123.613+/-0.028 χ^2/NDF: 485038.9/19

All: 120.601+/-0.020 χ^2/NDF: 960543.7/40

- sign 117.596+/-0.028 χ^2/NDF: 452341.2/20



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -773.297+/-576.930 χ^2/NDF:5.5/3

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

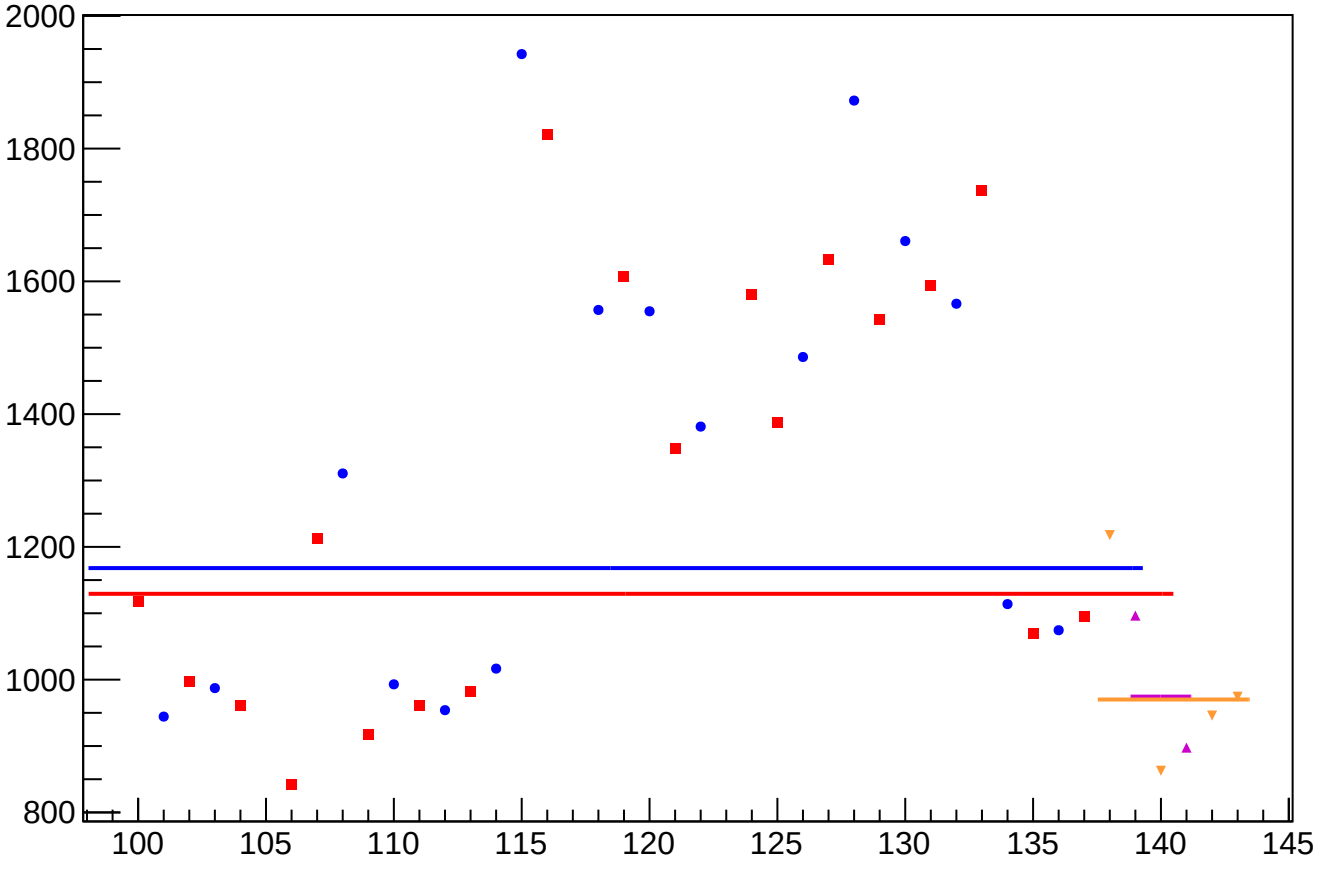
Left In: -735.814+/-748.080 χ^2/NDF:2.2/1

+ sign -412.185+/-353.516 χ^2/NDF: 26.6/19

All: -690.332+/-255.653 χ^2/NDF: 44.7/40

- sign -995.274+/-370.153 χ^2/NDF: 16.9/20

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 970.074+/-0.408 χ^2/NDF:90839.5/3

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

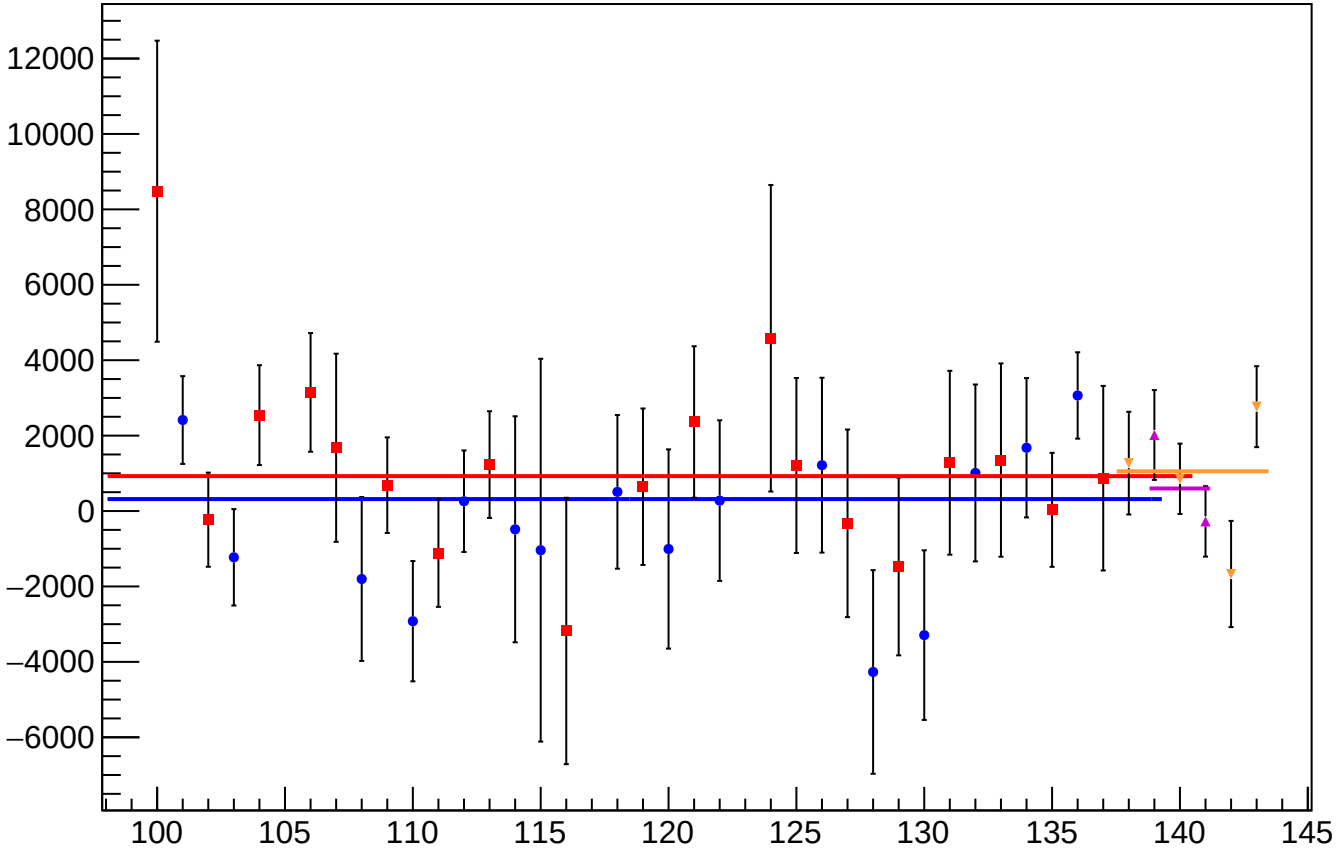
Left In: 974.436+/-0.529 χ^2/NDF:33503.9/1

+ sign 1093.725+/-0.250 χ^2/NDF: 947306.8/19

All: 1092.614+/-0.181 χ^2/NDF: 1852815.5/40

- sign 1091.397+/-0.262 χ^2/NDF: 905467.4/20

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1054.467+/-571.534 χ^2/NDF:6.4/3

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

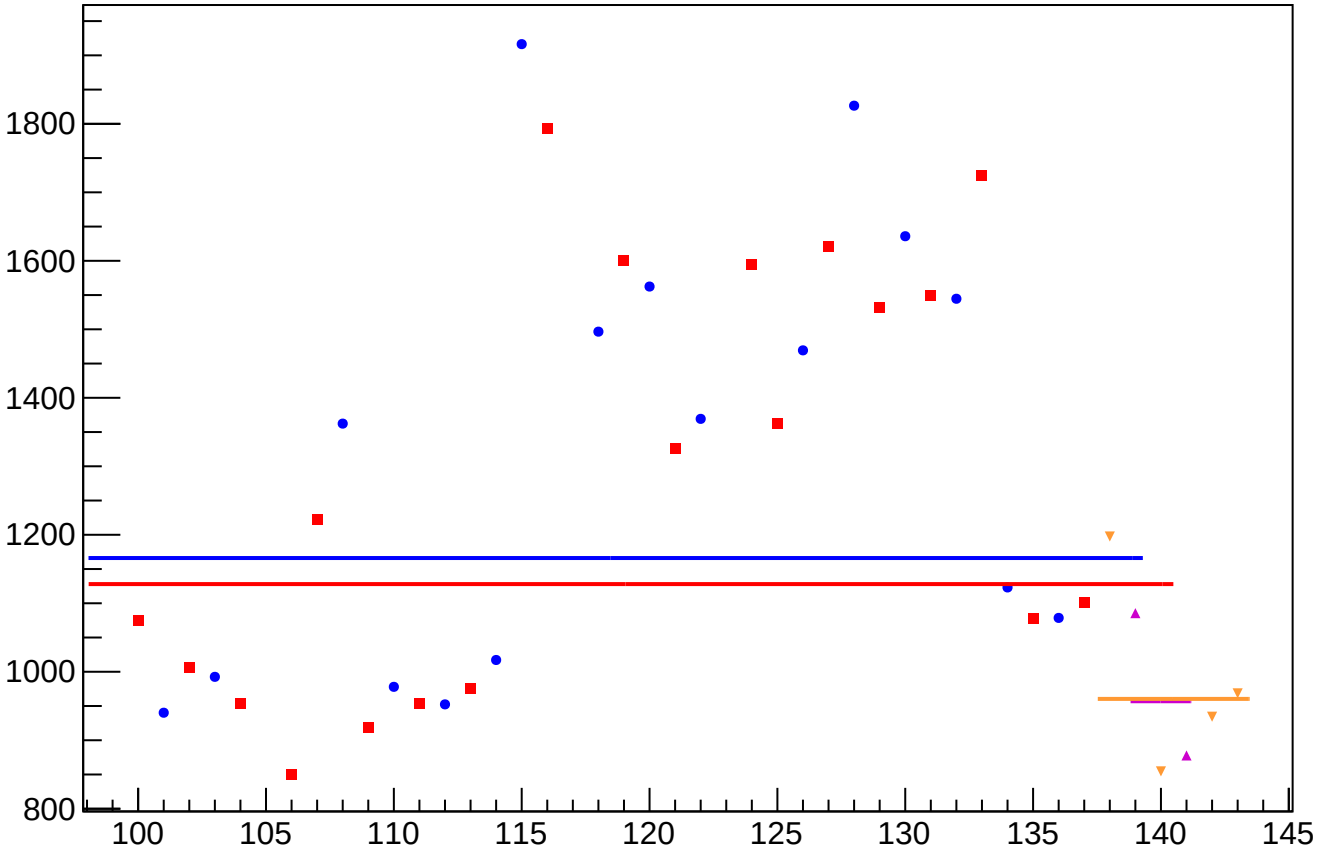
Left In: 598.439+/-735.093 χ^2/NDF:2.3/1

\+ sign 596.607+/-351.778 χ^2/NDF: 29.6/19

All: 714.593+/-254.350 χ^2/NDF: 46.8/40

\- sign 843.848+/-368.195 χ^2/NDF: 17.0/20

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 960.377+/-0.404 χ^2/NDF:87172.9/3

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

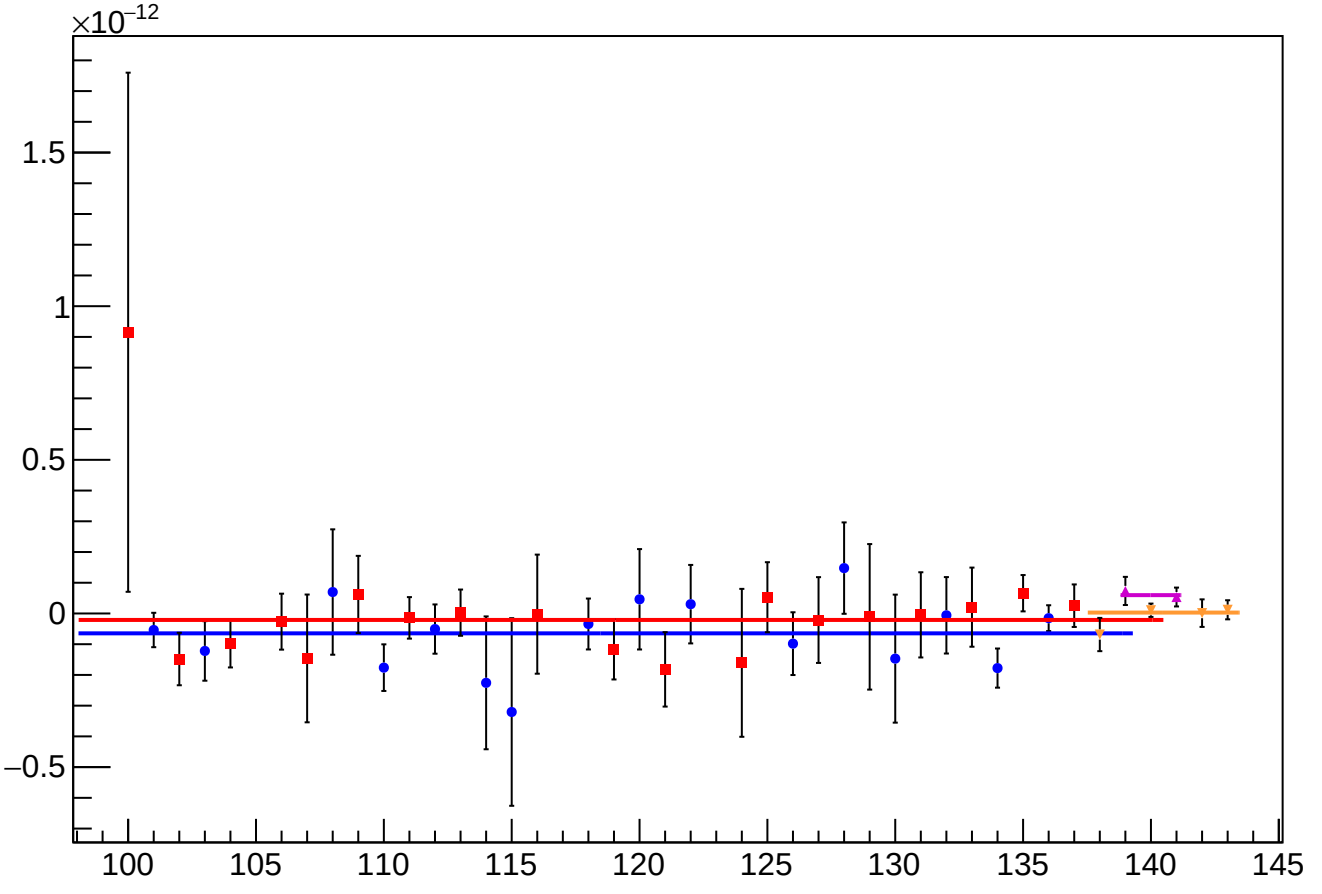
Left In: 956.953+/-0.520 χ^2/NDF:37682.9/1

+ sign 1088.137+/-0.249 χ^2/NDF: 925128.3/19

All: 1086.684+/-0.180 χ^2/NDF: 1819774.6/40

- sign 1085.092+/-0.260 χ^2/NDF: 894574.9/20

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

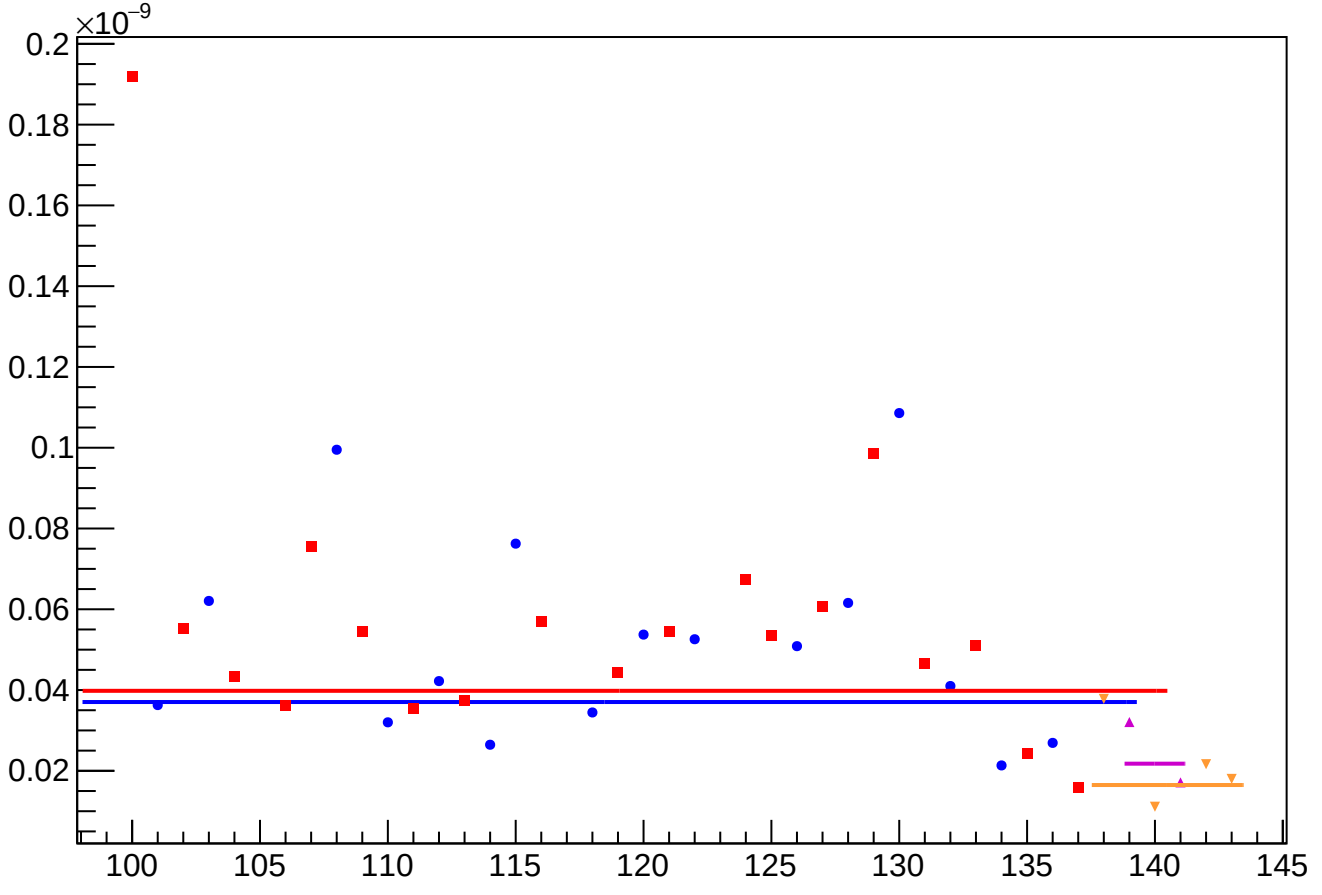
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 20.7/19

All: -0.000+/-0.000 χ^2/NDF: 40.6/40

- sign 0.000+/-0.000 χ^2/NDF: 17.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:464415.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

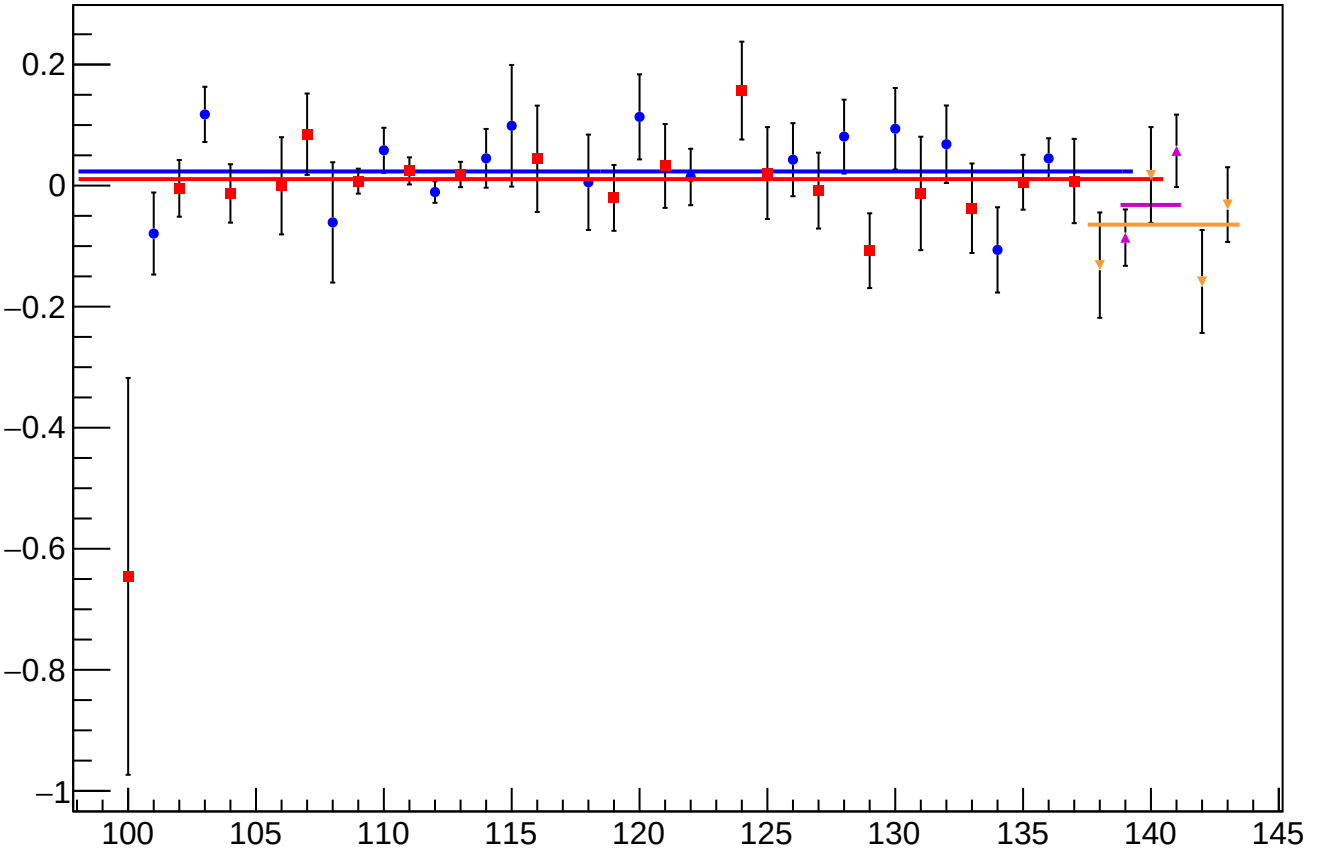
Left In: 0.000+/-0.000 χ^2/NDF:146898.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 2621756.9/19

All: 0.000+/-0.000 χ^2/NDF: 4509892.3/40

- sign 0.000+/-0.000 χ^2/NDF: 1600058.3/20

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: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

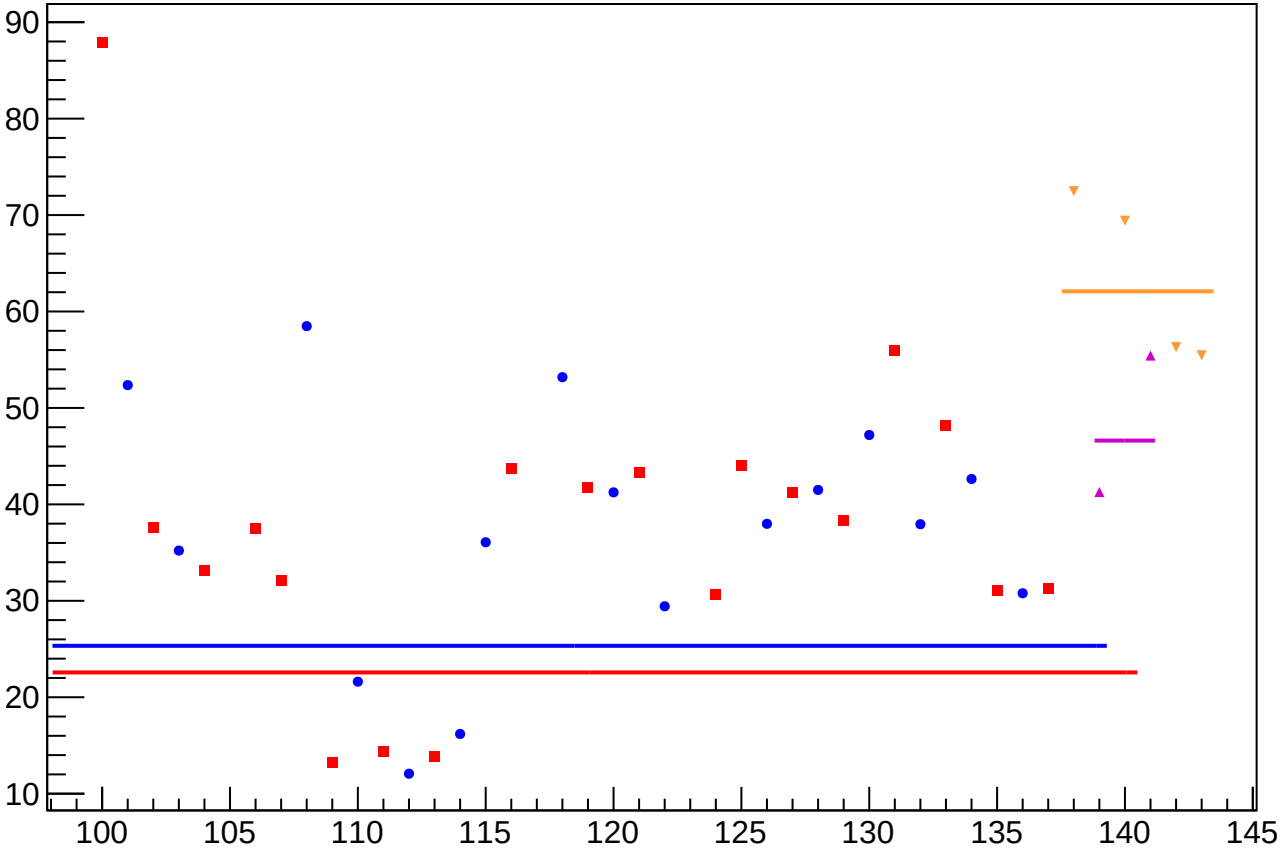
Left In: -0.032+/-0.037 χ^2/NDF:3.6/1

+ sign 0.016+/-0.011 χ^2/NDF: 28.8/19

All: 0.012+/-0.007 χ^2/NDF: 48.3/40

- sign 0.008+/-0.009 χ^2/NDF: 19.1/20

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: 62.092+/-0.027 χ^2/NDF:77961.4/3

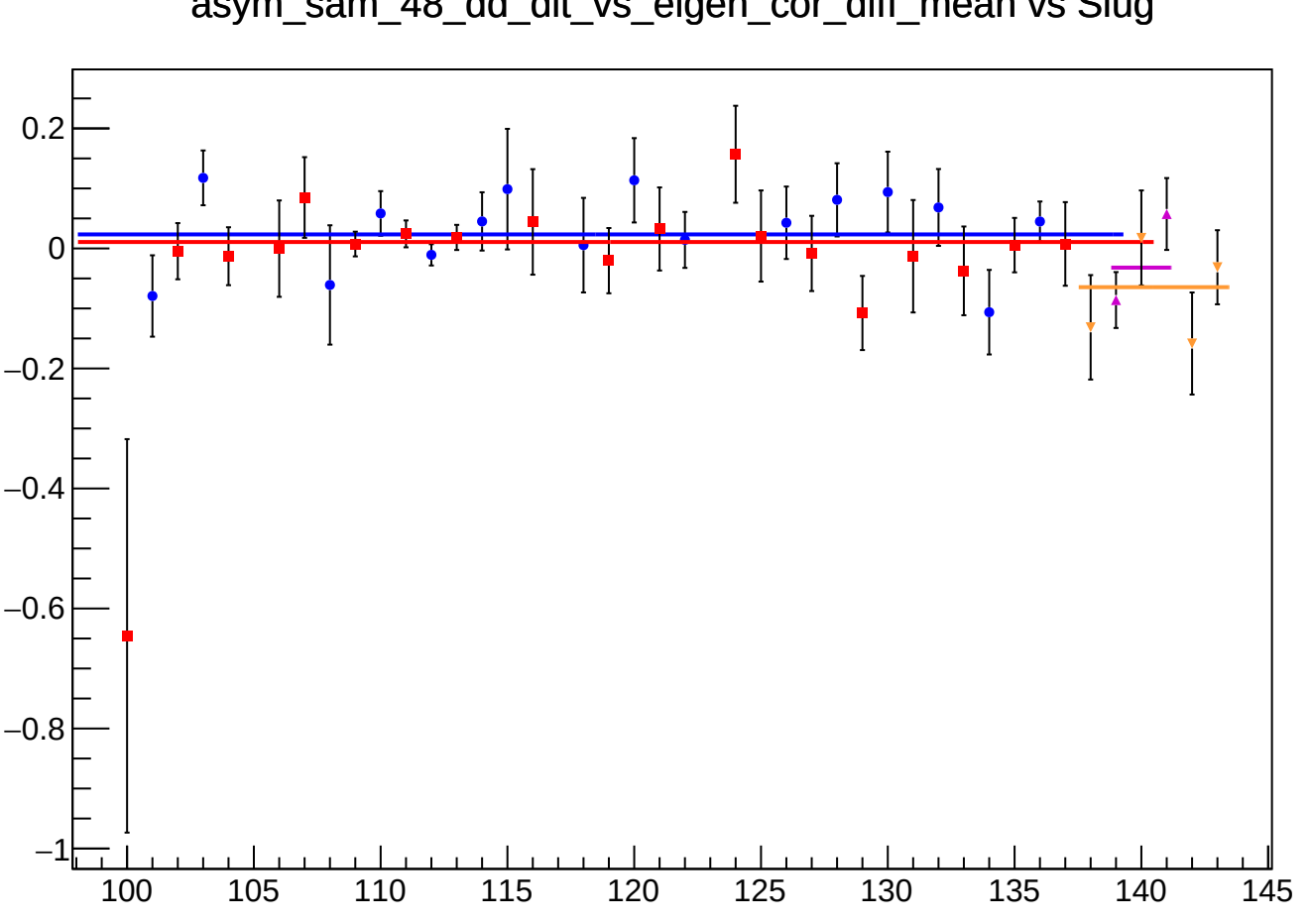
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.615+/-0.026 χ^2/NDF:69603.5/1

+ sign 28.209+/-0.008 χ^2/NDF: 4728170.4/19

All: 25.956+/-0.005 χ^2/NDF: 8897661.2/40

- sign 24.167+/-0.007 χ^2/NDF: 4008290.2/20



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

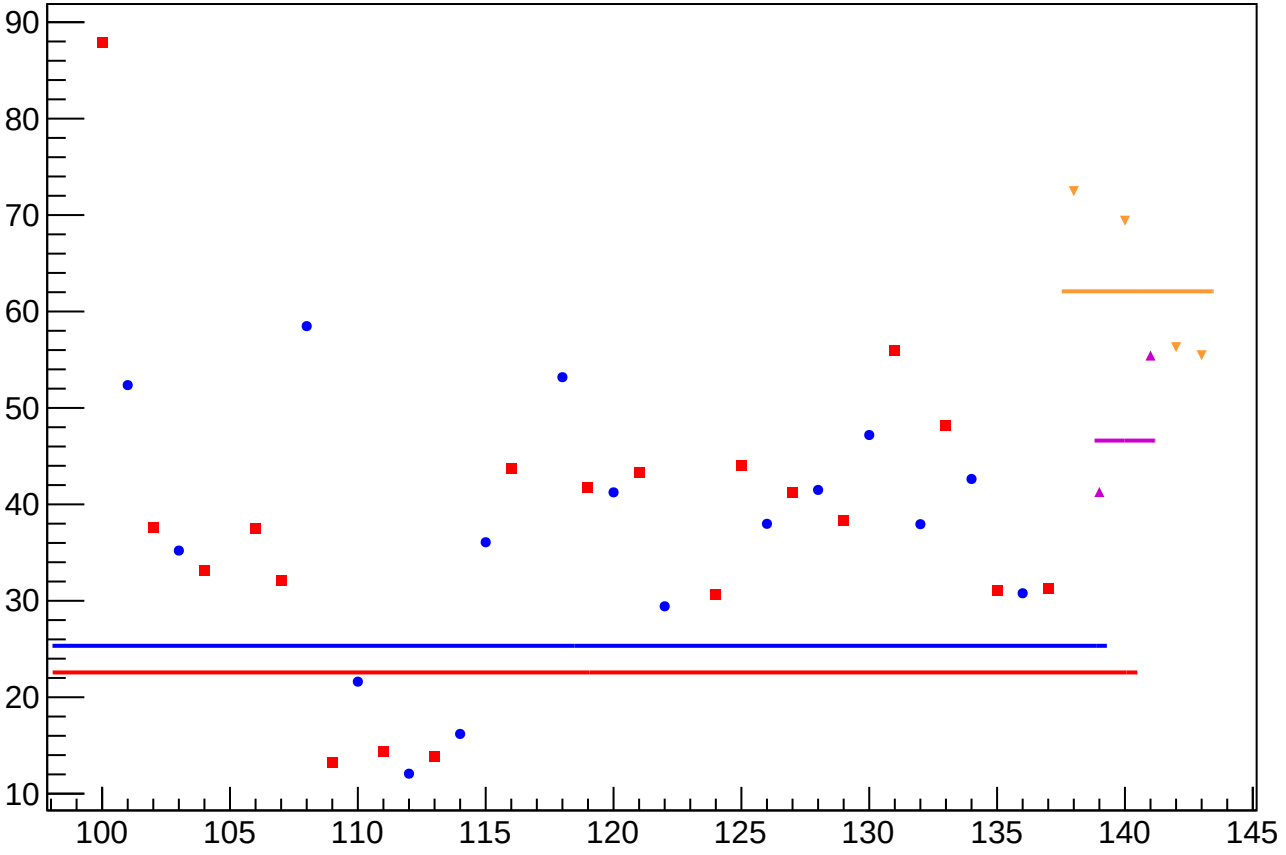
Left In: -0.032+/-0.037 χ^2/NDF:3.6/1

+ sign 0.016+/-0.011 χ^2/NDF: 28.8/19

All: 0.012+/-0.007 χ^2/NDF: 48.3/40

- sign 0.008+/-0.009 χ^2/NDF: 19.1/20

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 62.092+/-0.027 χ^2/NDF:77961.4/3

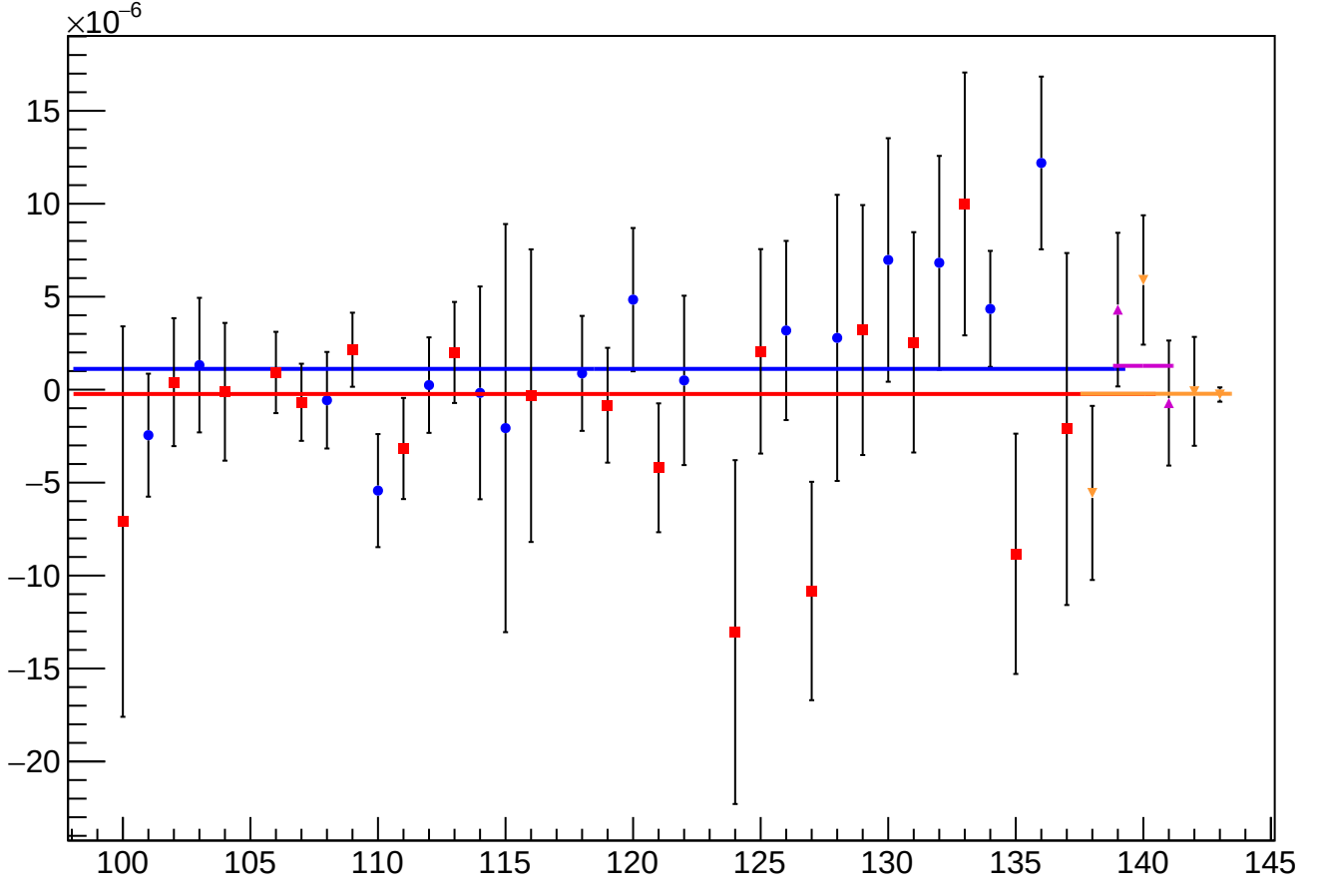
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.615+/-0.026 χ^2/NDF:69603.5/1

+ sign 28.209+/-0.008 χ^2/NDF: 4728170.4/19

All: 25.956+/-0.005 χ^2/NDF: 8897661.2/40

- sign 24.167+/-0.007 χ^2/NDF: 4008290.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/3

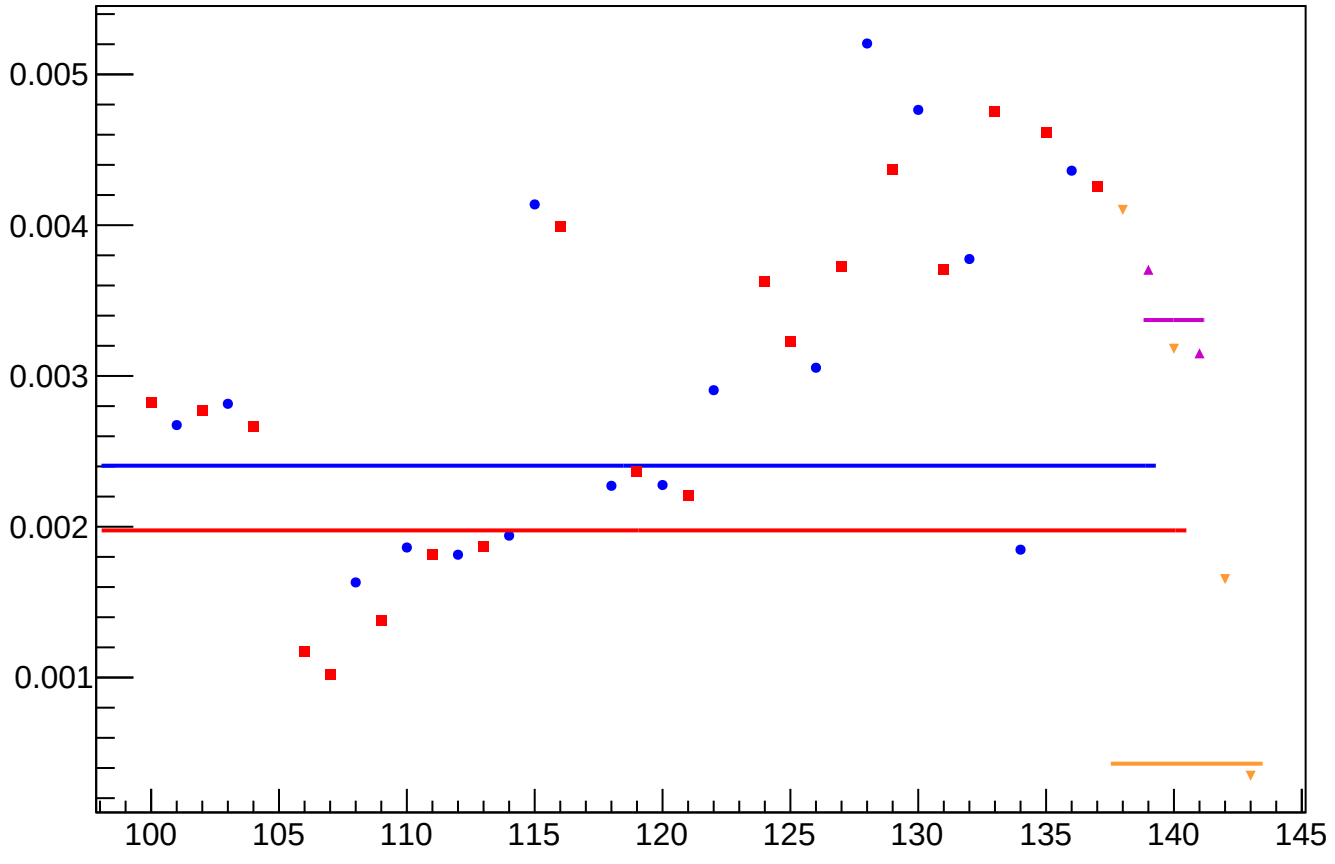
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/19

All: -0.000+/-0.000 χ^2/NDF: 38.6/40

- sign -0.000+/-0.000 χ^2/NDF: 16.3/20



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2916717.5/3

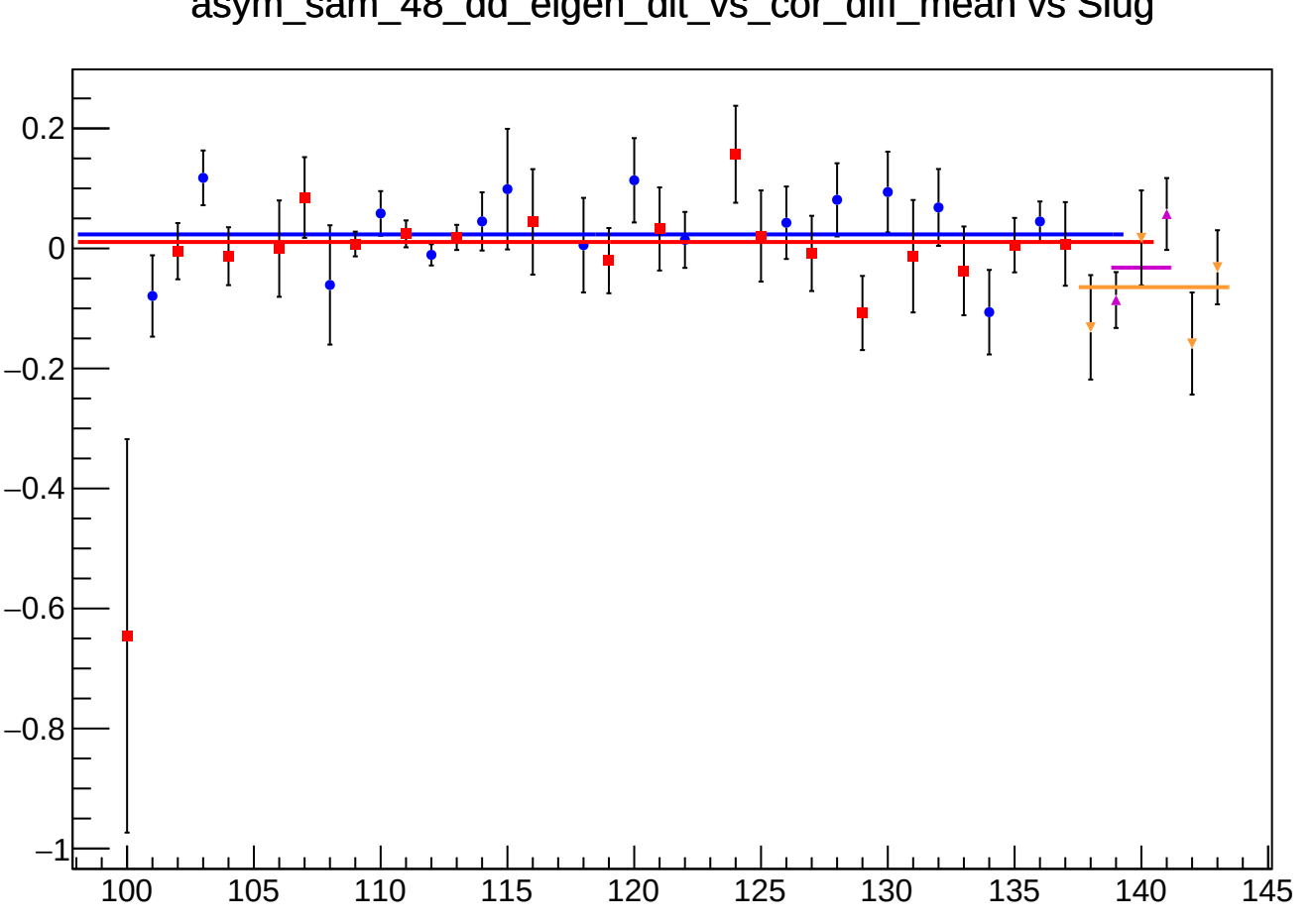
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.003+/-0.000 χ^2/NDF:21644.2/1

+ sign 0.001+/-0.000 χ^2/NDF: 11891341.6/19

All: 0.001+/-0.000 χ^2/NDF: 20617472.8/40

- sign 0.002+/-0.000 χ^2/NDF: 3318640.9/20



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

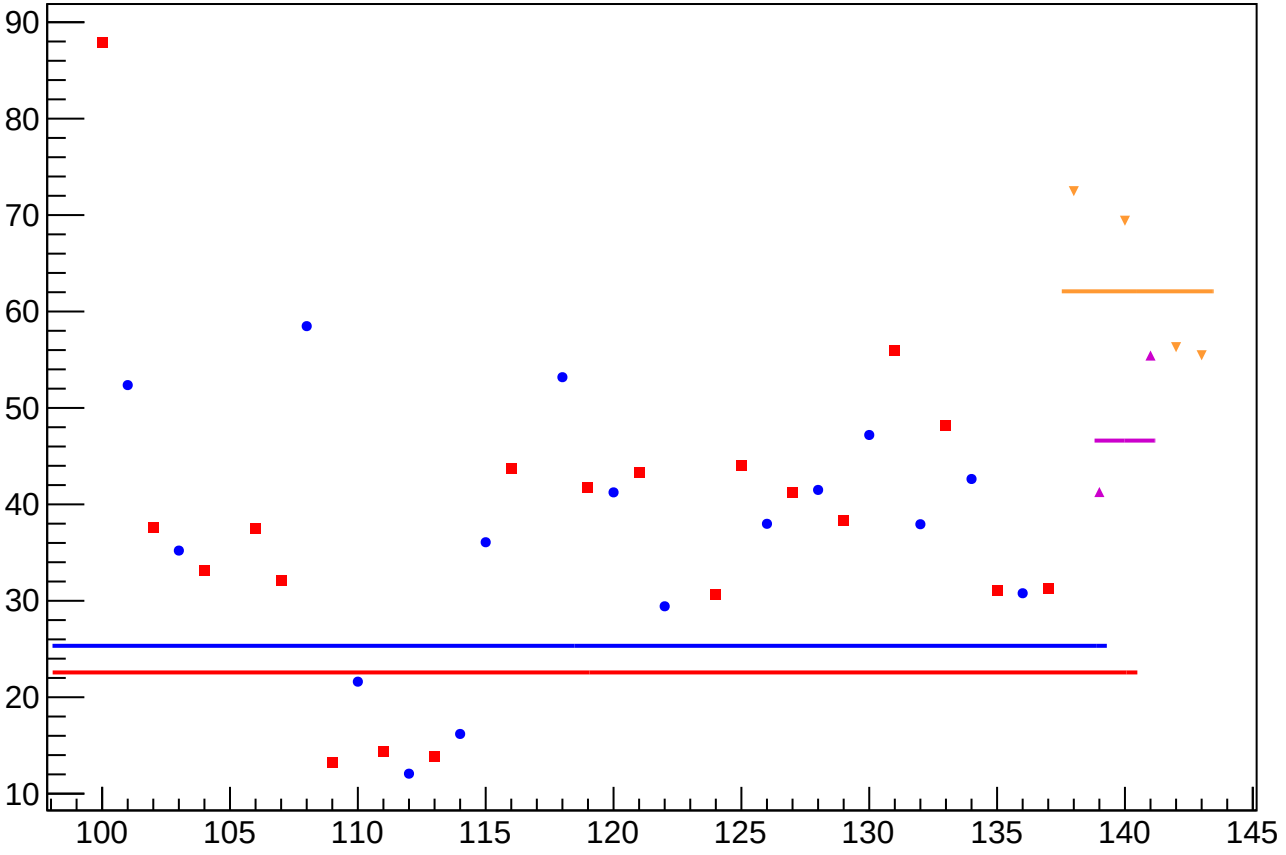
Left In: -0.032+/-0.037 χ^2/NDF:3.6/1

+ sign 0.016+/-0.011 χ^2/NDF: 28.8/19

All: 0.012+/-0.007 χ^2/NDF: 48.3/40

- sign 0.008+/-0.009 χ^2/NDF: 19.1/20

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 62.092+/-0.027 χ^2/NDF:77957.6/3

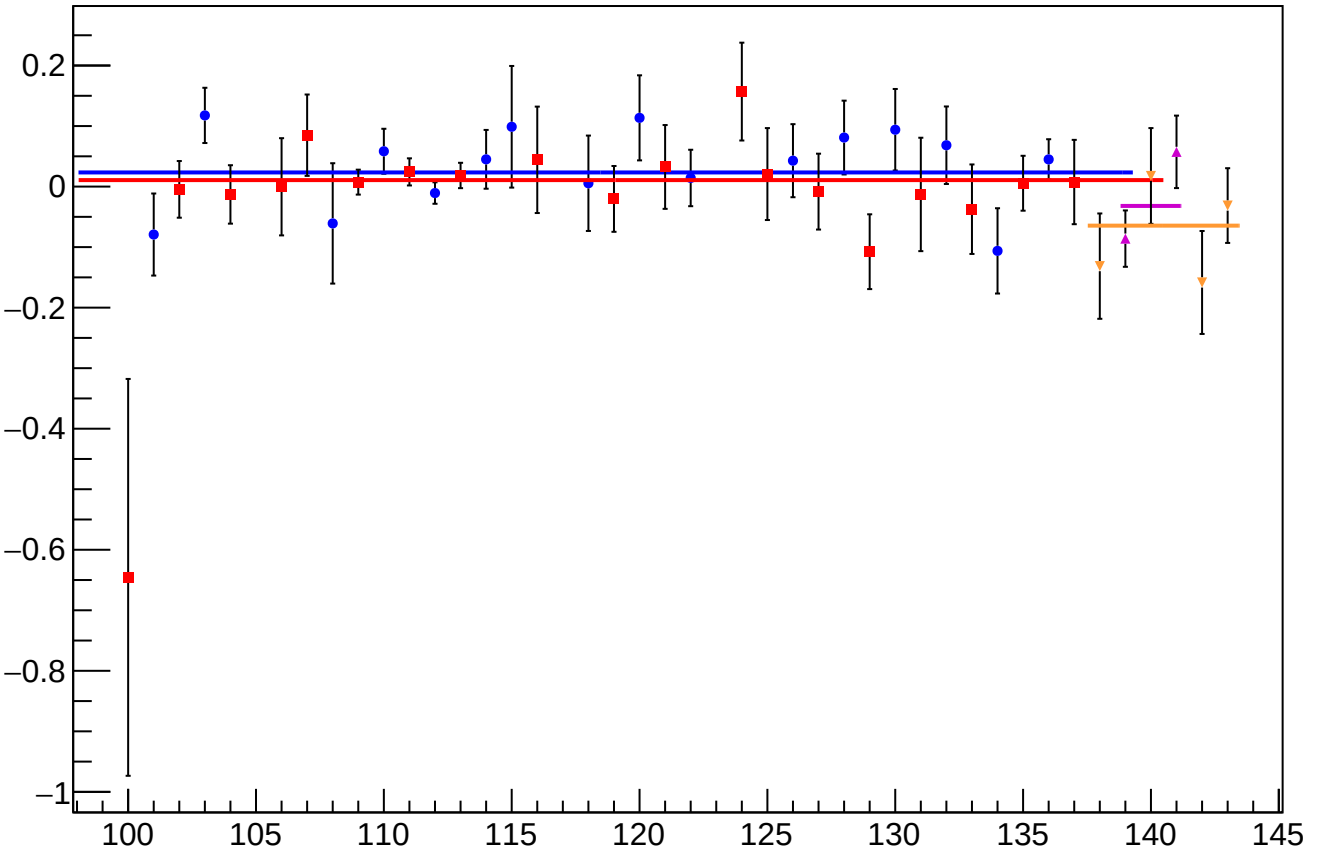
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.614+/-0.026 χ^2/NDF:69615.1/1

+ sign 28.207+/-0.008 χ^2/NDF: 4728724.5/19

All: 25.956+/-0.005 χ^2/NDF: 8898302.5/40

- sign 24.167+/-0.007 χ^2/NDF: 4008456.3/20



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

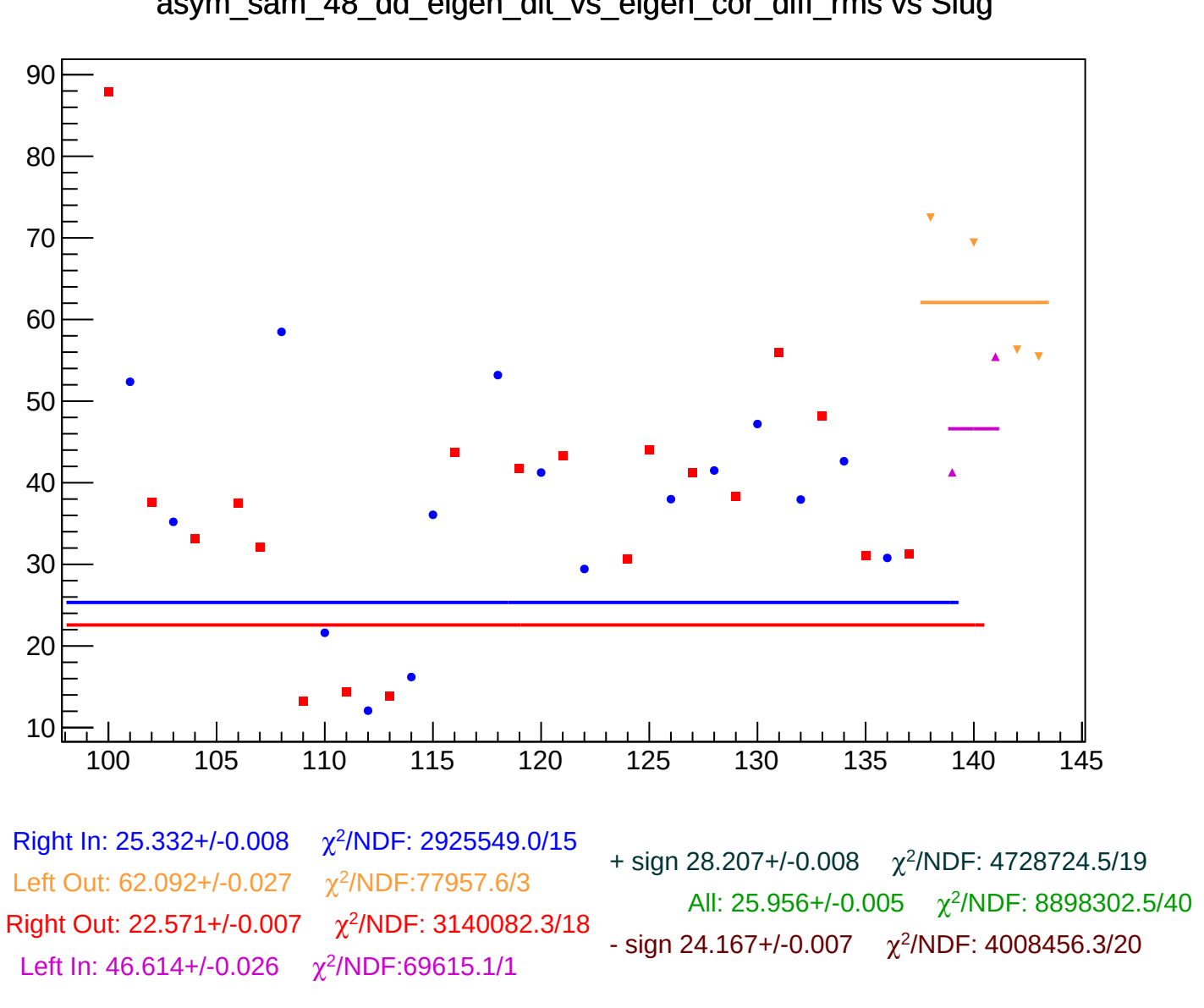
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.032+/-0.037 χ^2/NDF:3.6/1

+ sign 0.016+/-0.011 χ^2/NDF: 28.8/19

All: 0.012+/-0.007 χ^2/NDF: 48.3/40

- sign 0.008+/-0.009 χ^2/NDF: 19.1/20


asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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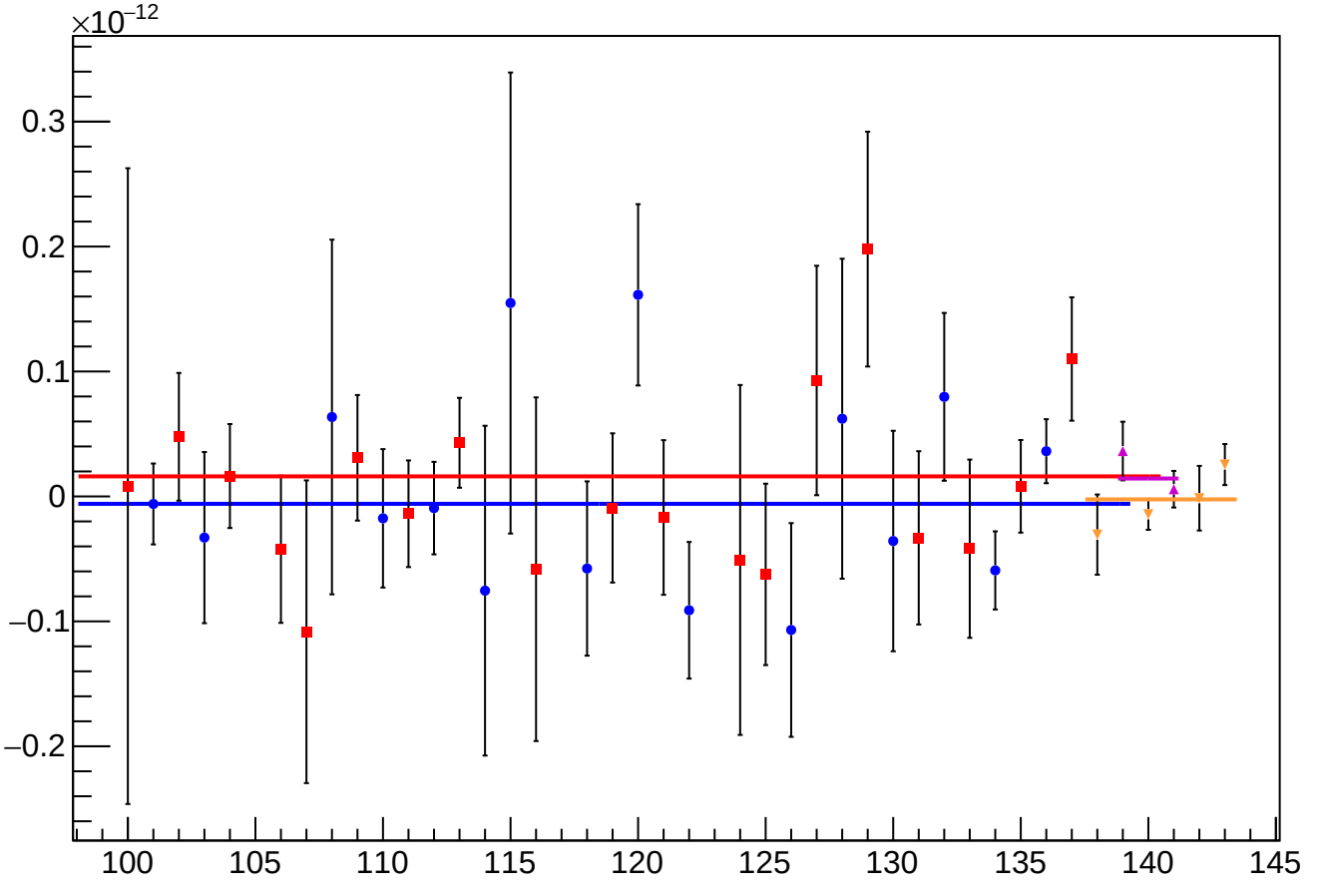
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 62.092+/-0.027 χ²/NDF:77957.6/3
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 46.614+/-0.026 χ²/NDF:69615.1/1
+ sign 28.207+/-0.008 χ²/NDF: 4728724.5/19
All: 25.956+/-0.005 χ²/NDF: 8898302.5/40
- sign 24.167+/-0.007 χ²/NDF: 4008456.3/20



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/3

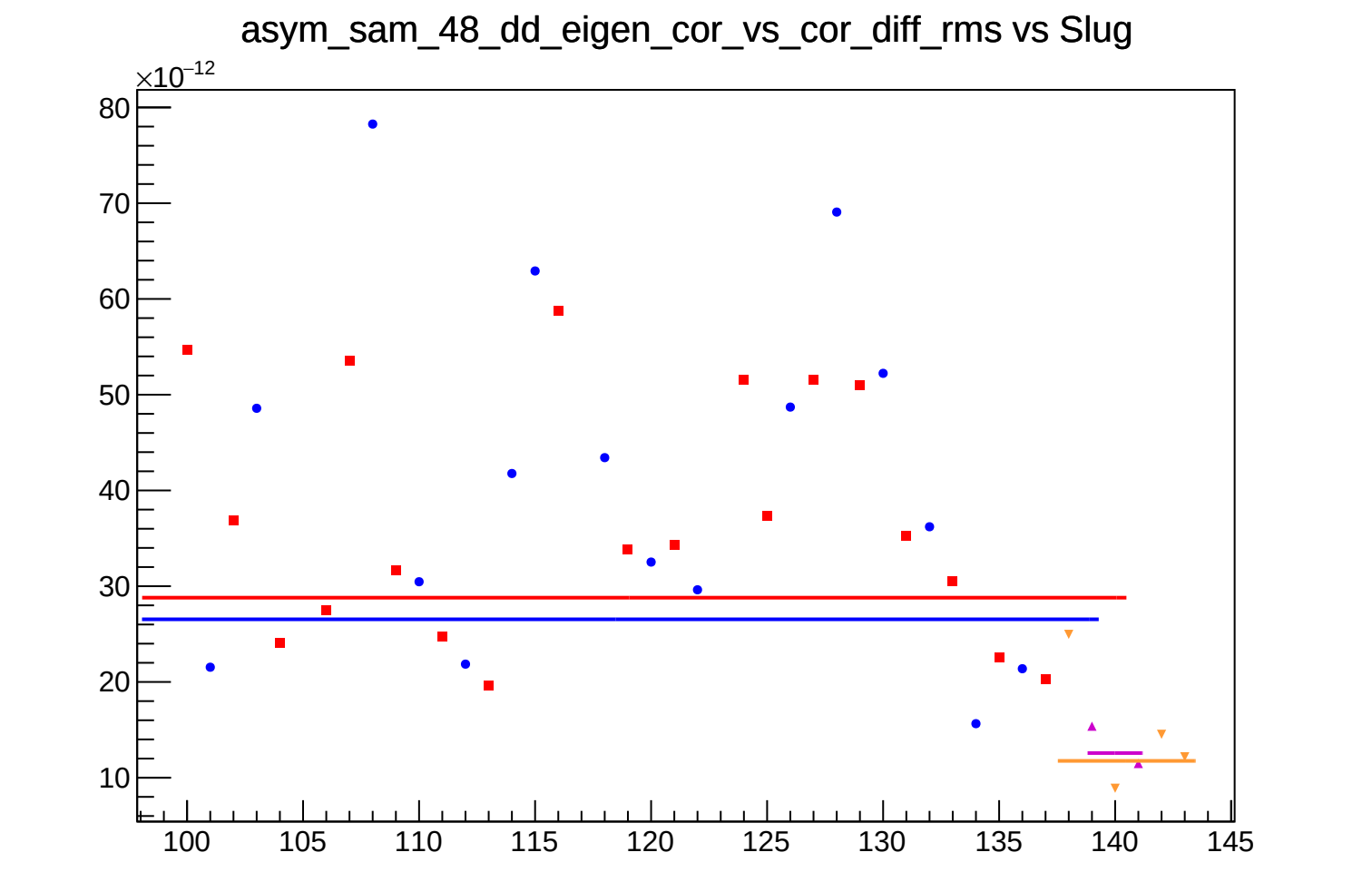
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/19

All: 0.000+/-0.000 χ^2/NDF: 42.2/40

- sign 0.000+/-0.000 χ^2/NDF: 16.2/20


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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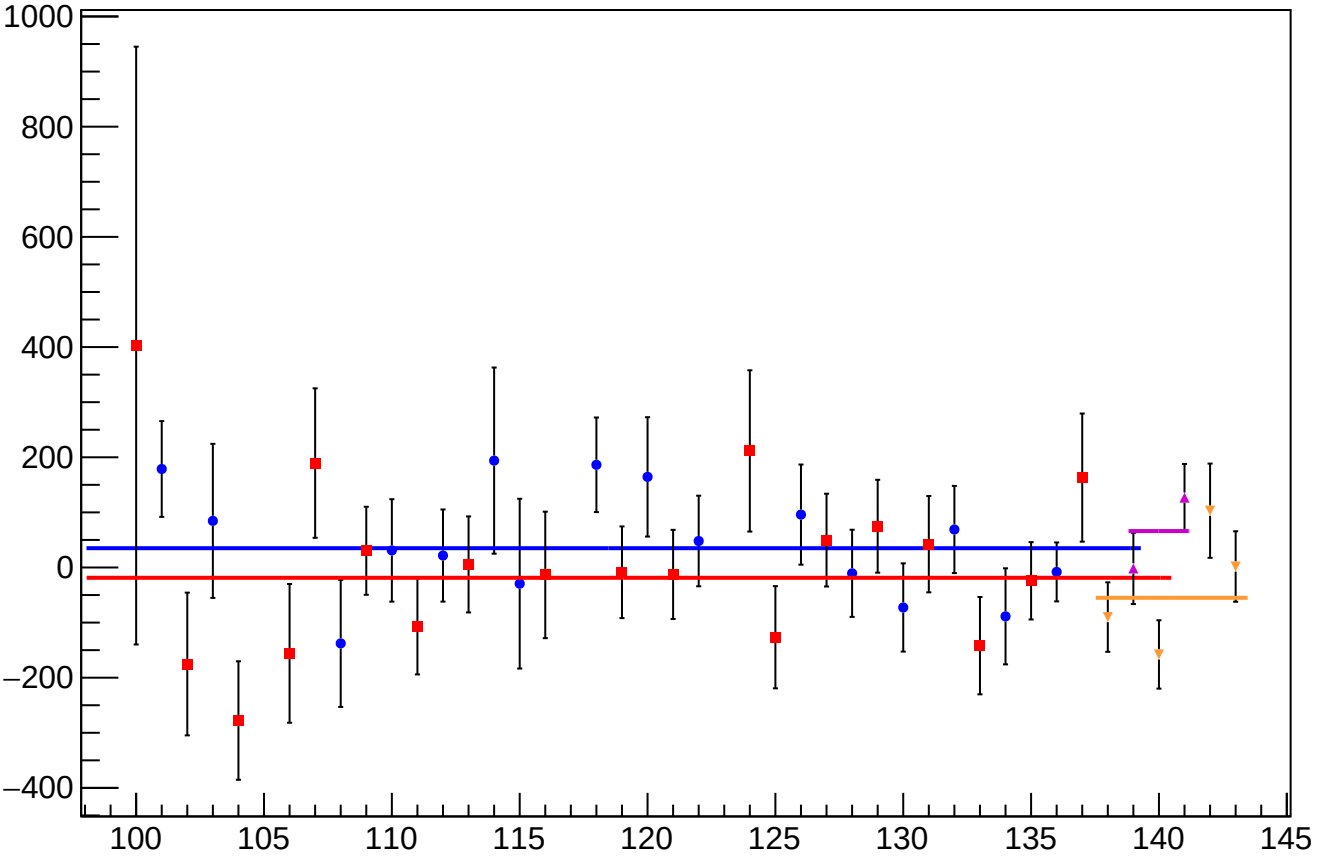
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:469457.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:39727.3/1
+ sign 0.000+/-0.000 χ²/NDF: 3979855.7/19
All: 0.000+/-0.000 χ²/NDF: 6705118.3/40
- sign 0.000+/-0.000 χ²/NDF: 2540588.2/20

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.008+/-33.475 χ^2/NDF:7.3/3

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

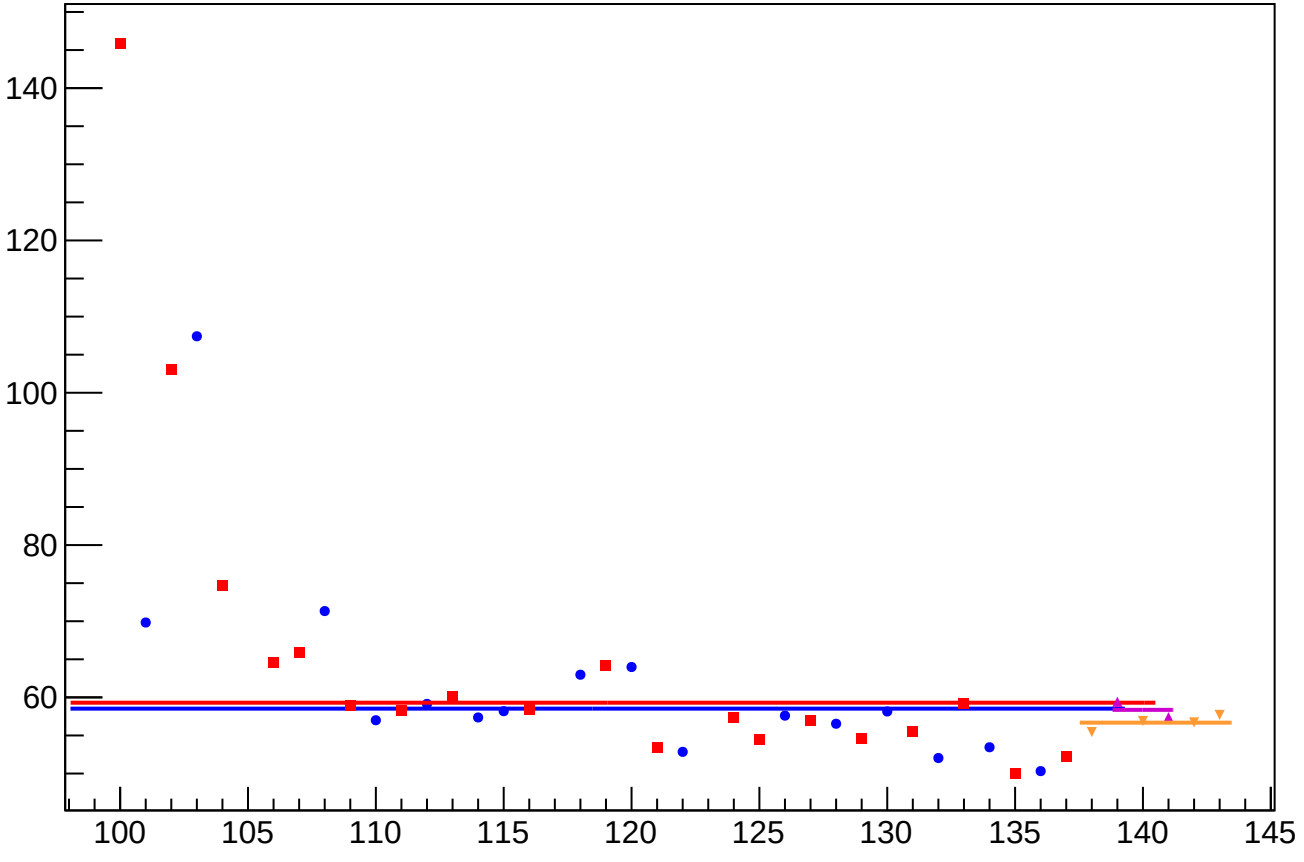
Left In: 66.121+/-44.405 χ^2/NDF:2.1/1

+ sign 7.632+/-18.463 χ^2/NDF: 28.5/19

All: 3.244+/-13.507 χ^2/NDF: 57.1/40

- sign -1.808+/-19.812 χ^2/NDF: 28.5/20

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

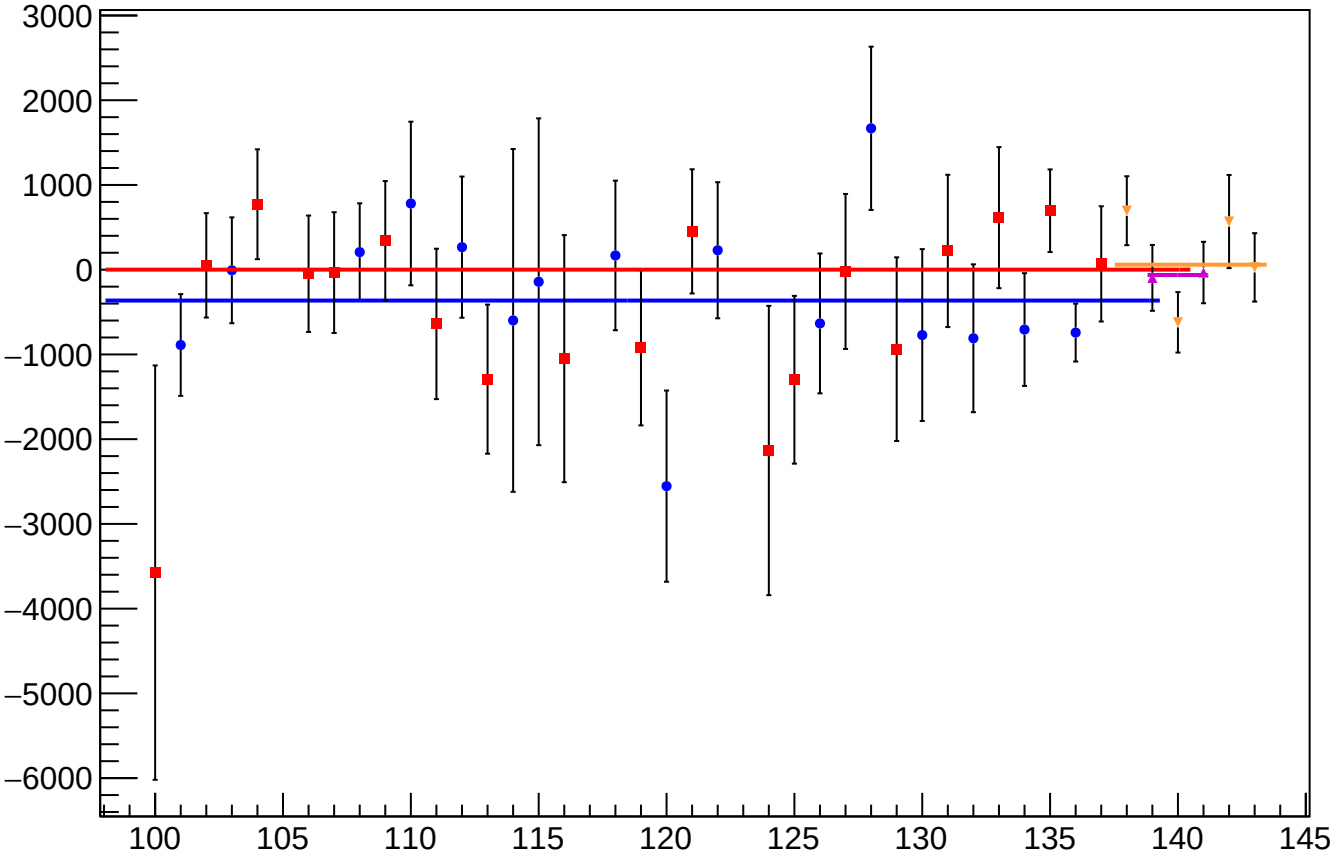
Left In: 58.363+/-0.031 χ^2/NDF:1021.6/1

+ sign 57.962+/-0.013 χ^2/NDF: 398237.6/19

All: 58.498+/-0.010 χ^2/NDF: 810207.0/40

- sign 59.115+/-0.014 χ^2/NDF: 408348.1/20

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: 59.104+/-206.970 χ^2/NDF:6.9/3

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

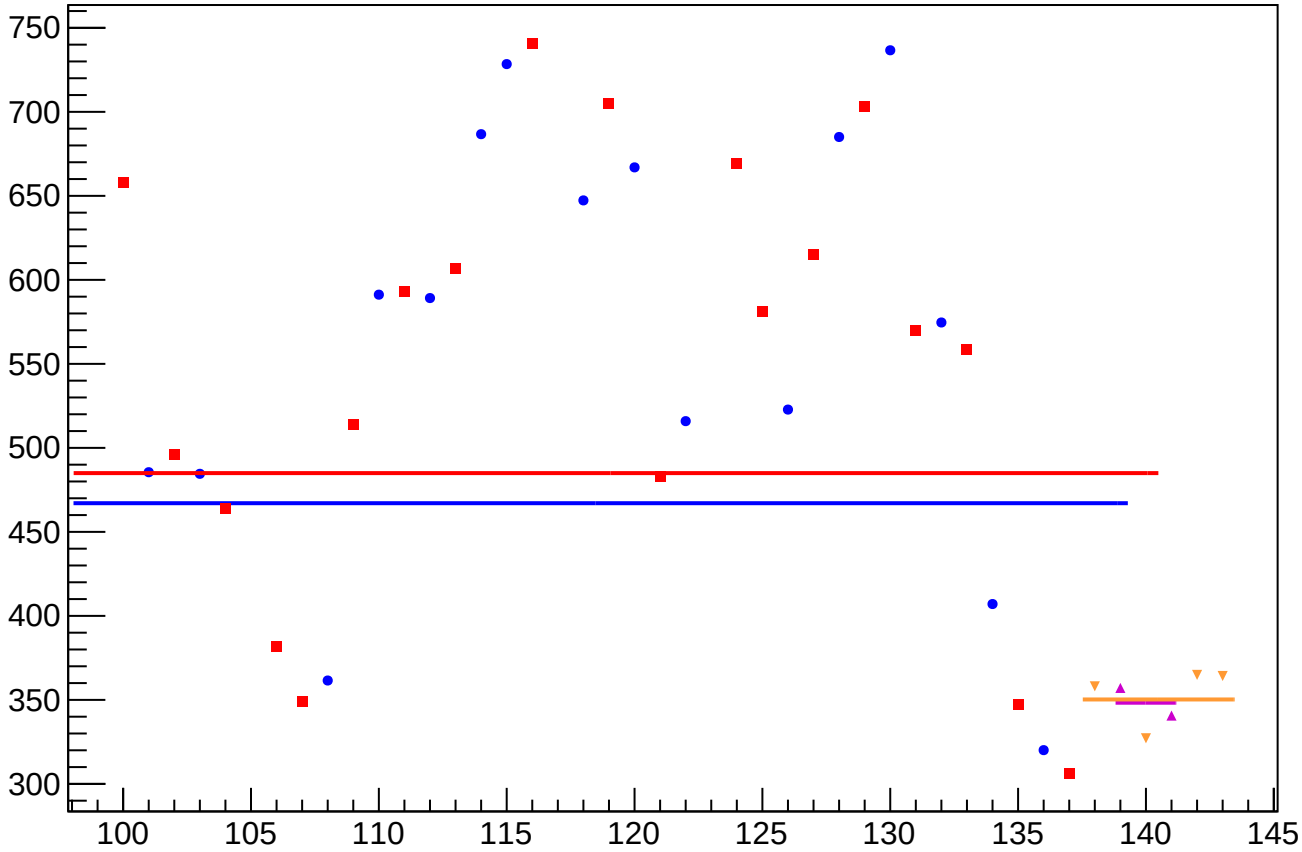
Left In: -62.780+/-265.079 χ^2/NDF:0.0/1

+ sign -181.146+/-136.078 χ^2/NDF: 24.5/19

All: -108.690+/-100.980 χ^2/NDF: 40.3/40

- sign -19.890+/-150.646 χ^2/NDF: 15.1/20

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 350.250+/-0.146 χ^2/NDF:12930.8/3

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

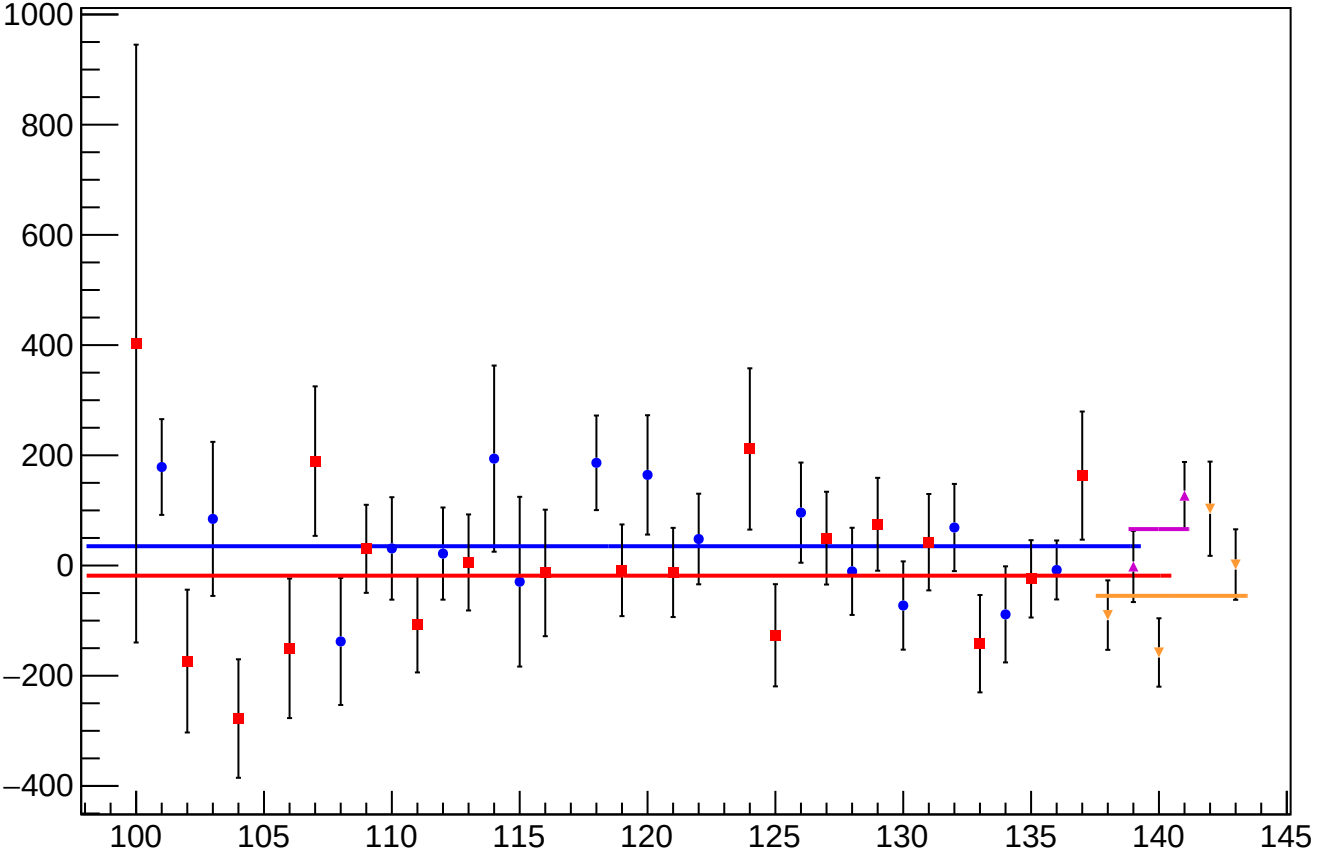
Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

\+ sign 416.570+/-0.096 χ^2/NDF: 1404930.7/19

All: 427.477+/-0.071 χ^2/NDF: 2669438.6/40

\- sign 440.845+/-0.107 χ^2/NDF: 1235911.9/20

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.006+/-33.475 χ^2/NDF:7.3/3

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

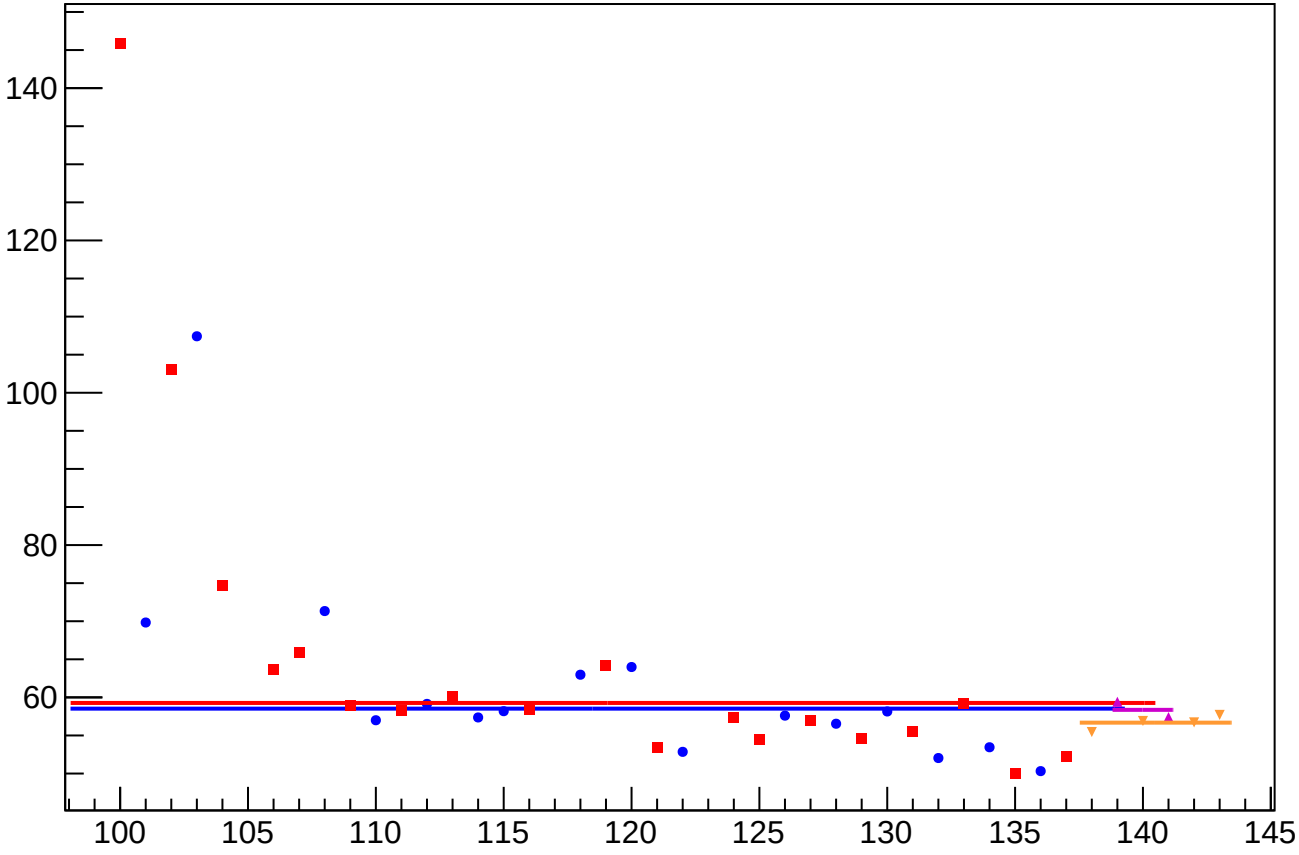
Left In: 66.123+/-44.405 χ^2/NDF:2.1/1

+ sign 7.631+/-18.463 χ^2/NDF: 28.5/19

All: 3.349+/-13.508 χ^2/NDF: 56.9/40

- sign -1.584+/-19.815 χ^2/NDF: 28.4/20

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

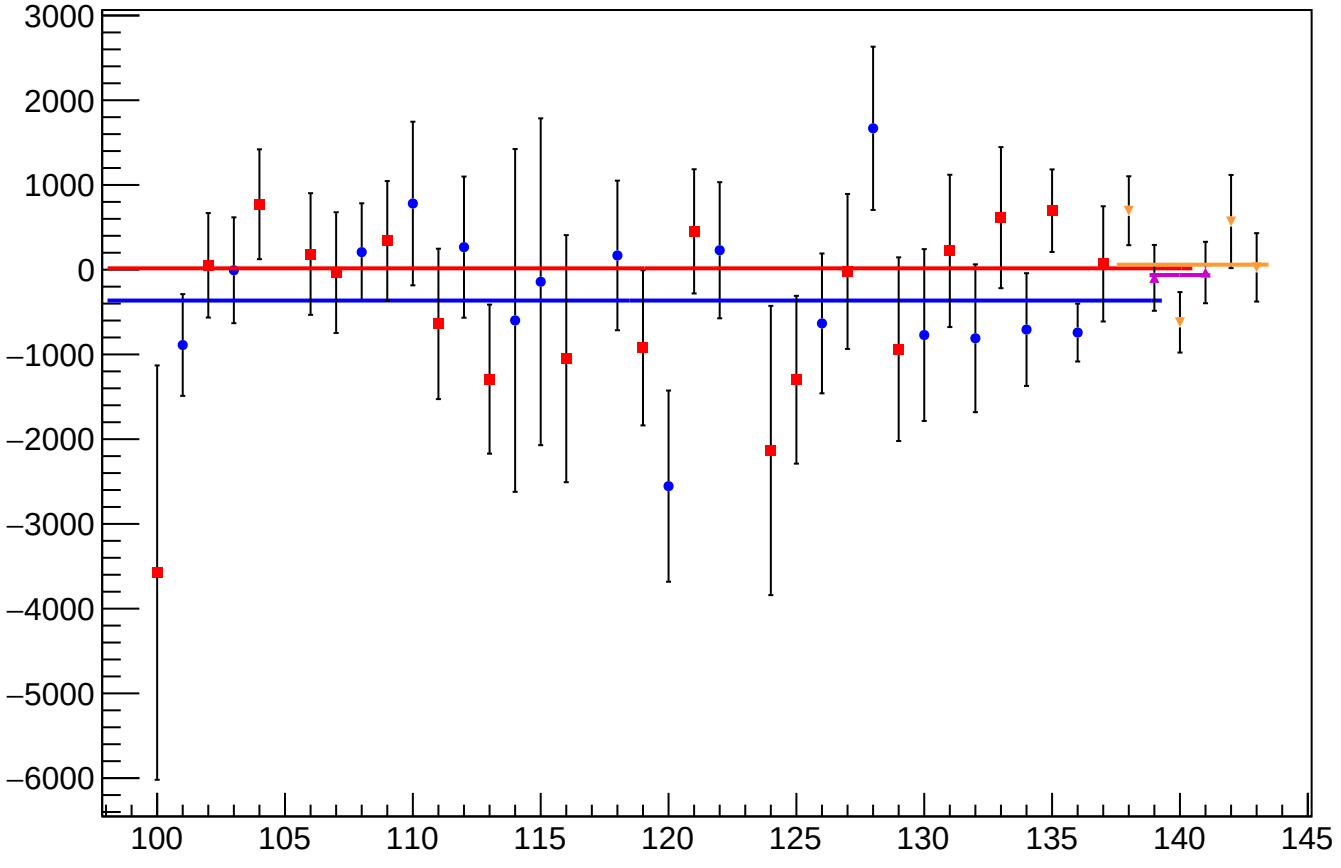
Left In: 58.363+/-0.031 χ^2/NDF:1021.6/1

+ sign 57.962+/-0.013 χ^2/NDF: 398239.6/19

All: 58.486+/-0.010 χ^2/NDF: 809006.8/40

- sign 59.089+/-0.014 χ^2/NDF: 407305.2/20

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 59.099+/-206.970 χ^2/NDF:6.9/3

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

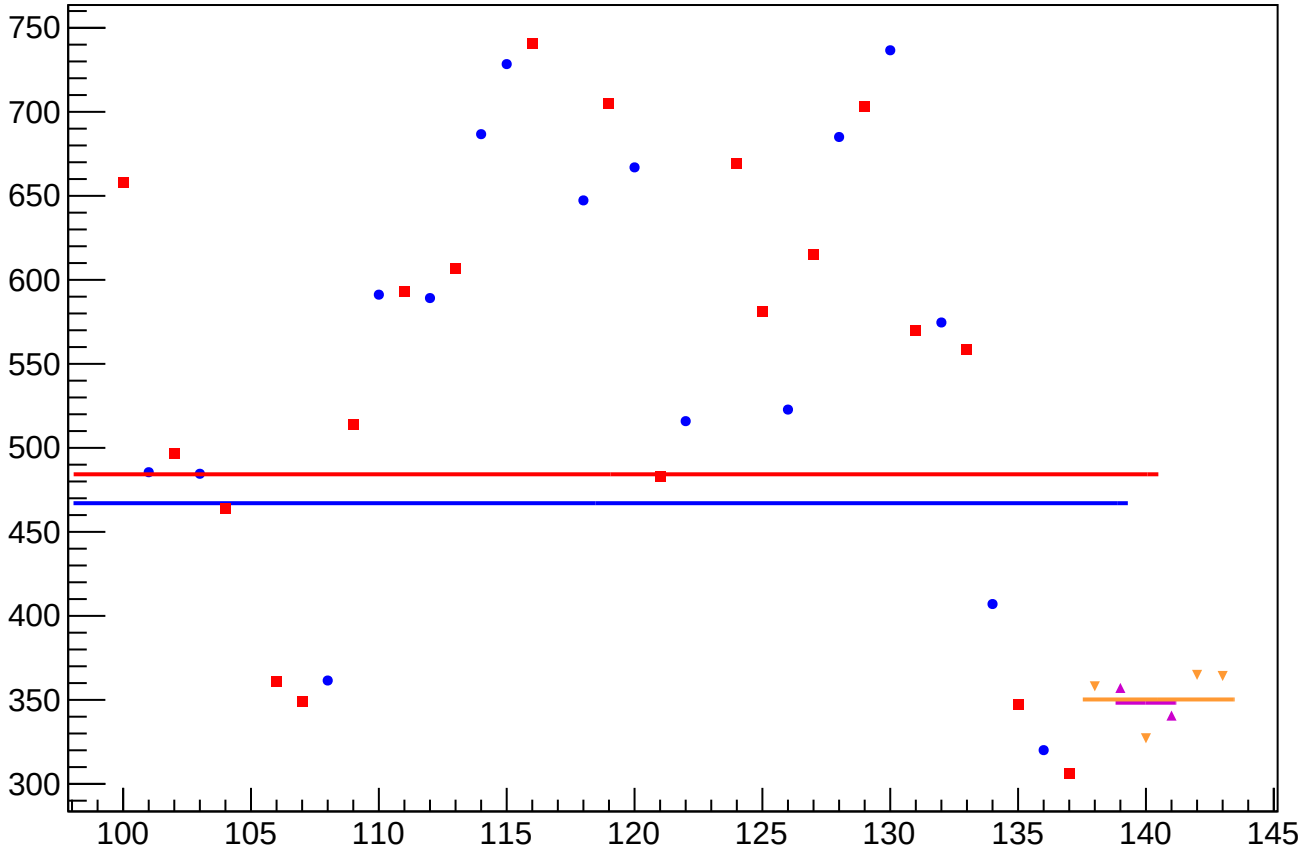
Left In: -62.786+/-265.079 χ^2/NDF:0.0/1

+ sign -181.126+/-136.078 χ^2/NDF: 24.5/19

All: -104.184+/-101.075 χ^2/NDF: 40.5/40

- sign -9.493+/-150.960 χ^2/NDF: 15.2/20

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 350.250+/-0.146 χ^2/NDF:12931.2/3

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

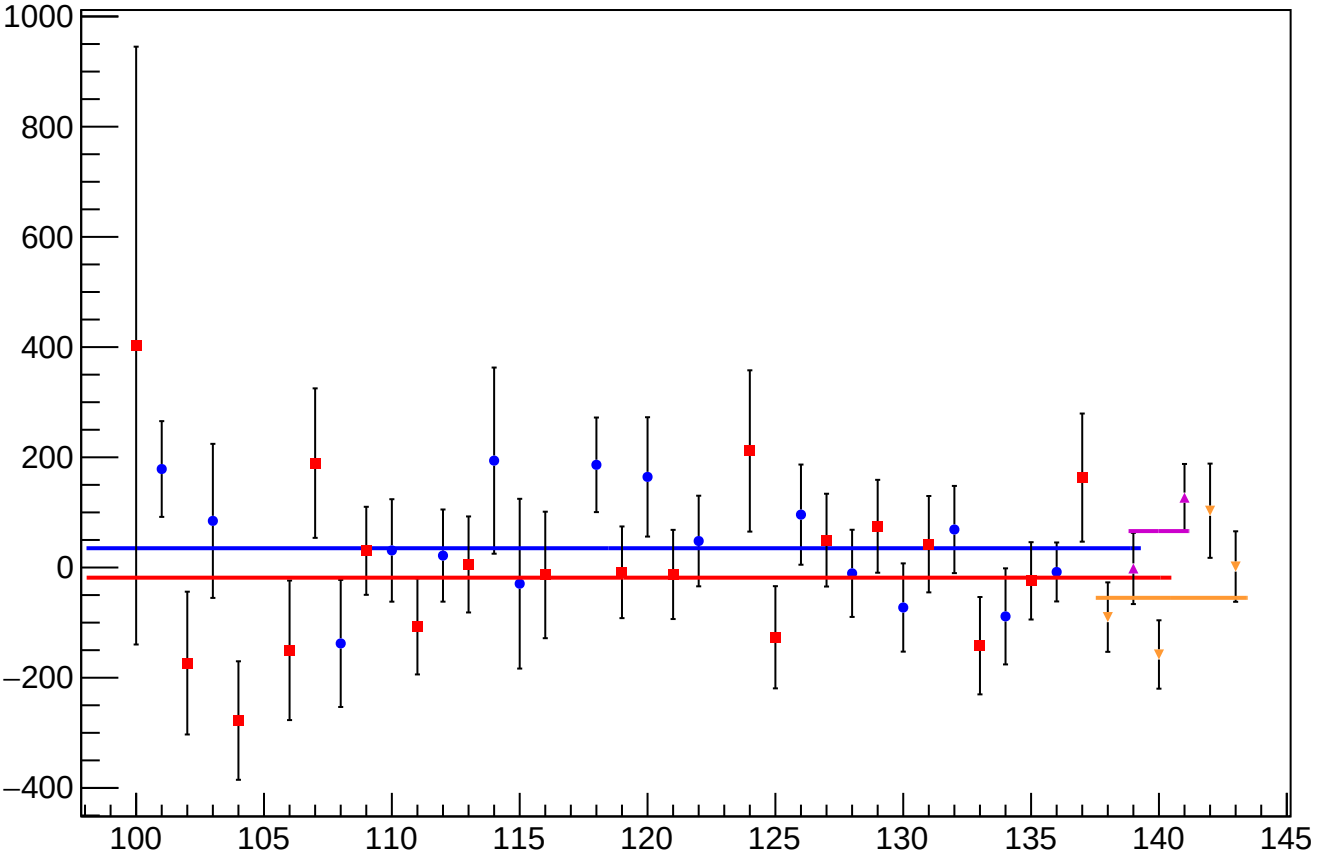
Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

+ sign 416.571+/-0.096 χ^2/NDF: 1404948.0/19

All: 427.156+/-0.071 χ^2/NDF: 2678117.3/40

- sign 440.182+/-0.107 χ^2/NDF: 1246178.3/20

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.006+/-33.475 χ^2/NDF:7.3/3

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

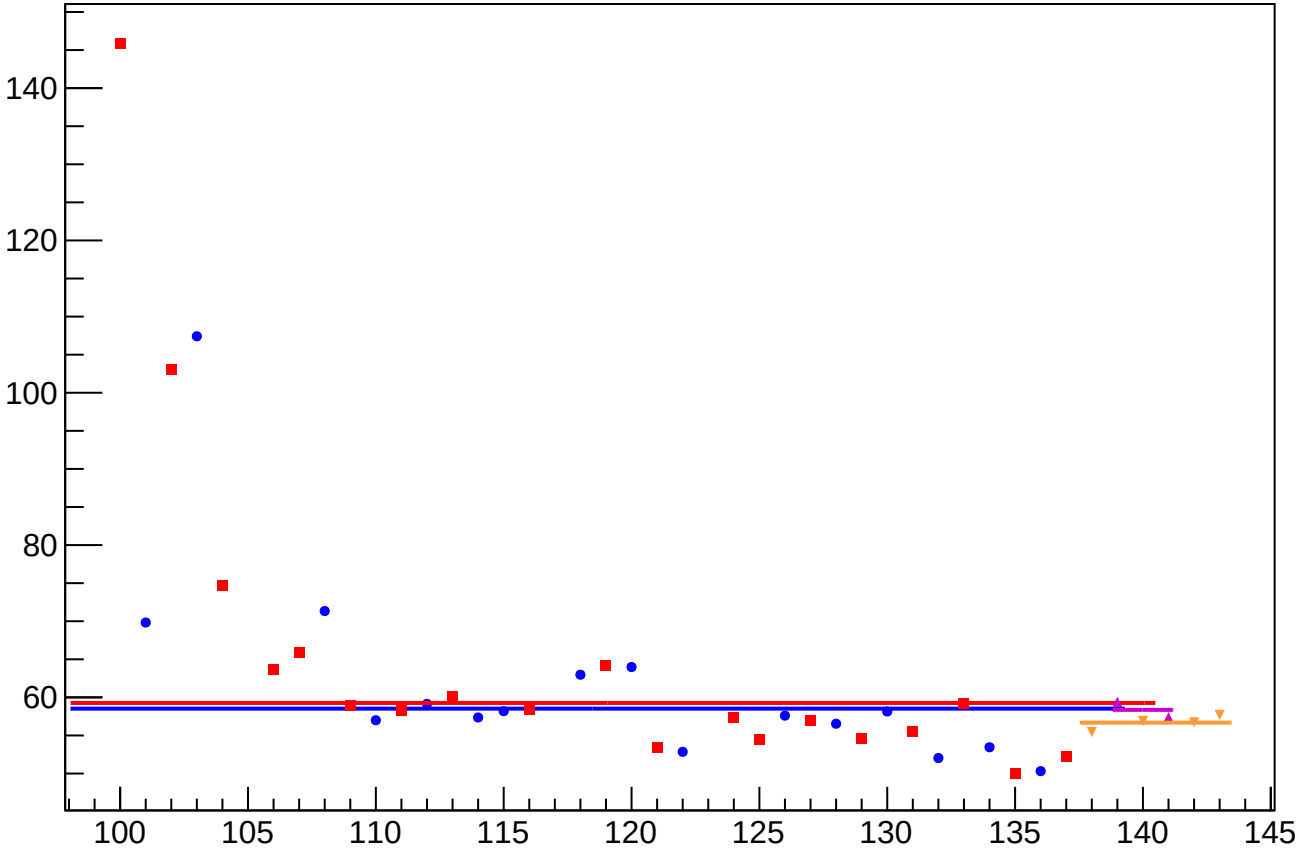
Left In: 66.123+/-44.405 χ^2/NDF:2.1/1

+ sign 7.631+/-18.463 χ^2/NDF: 28.5/19

All: 3.349+/-13.508 χ^2/NDF: 56.9/40

- sign -1.584+/-19.815 χ^2/NDF: 28.4/20

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

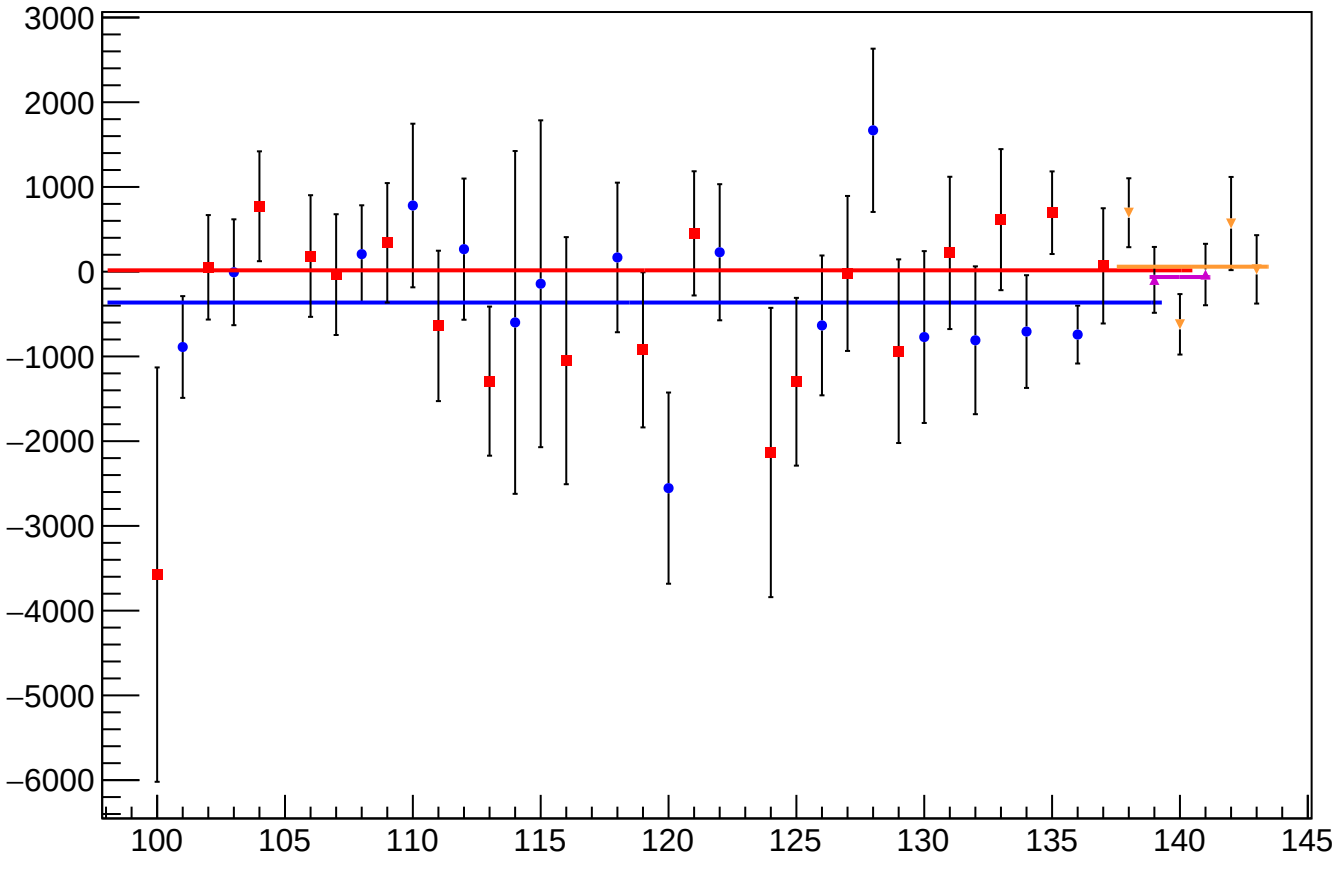
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.363+/-0.031 χ^2/NDF:1021.6/1

+ sign 57.962+/-0.013 χ^2/NDF: 398239.6/19

All: 58.486+/-0.010 χ^2/NDF: 809006.8/40

- sign 59.089+/-0.014 χ^2/NDF: 407305.2/20



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 59.099+/-206.970 χ^2/NDF:6.9/3

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

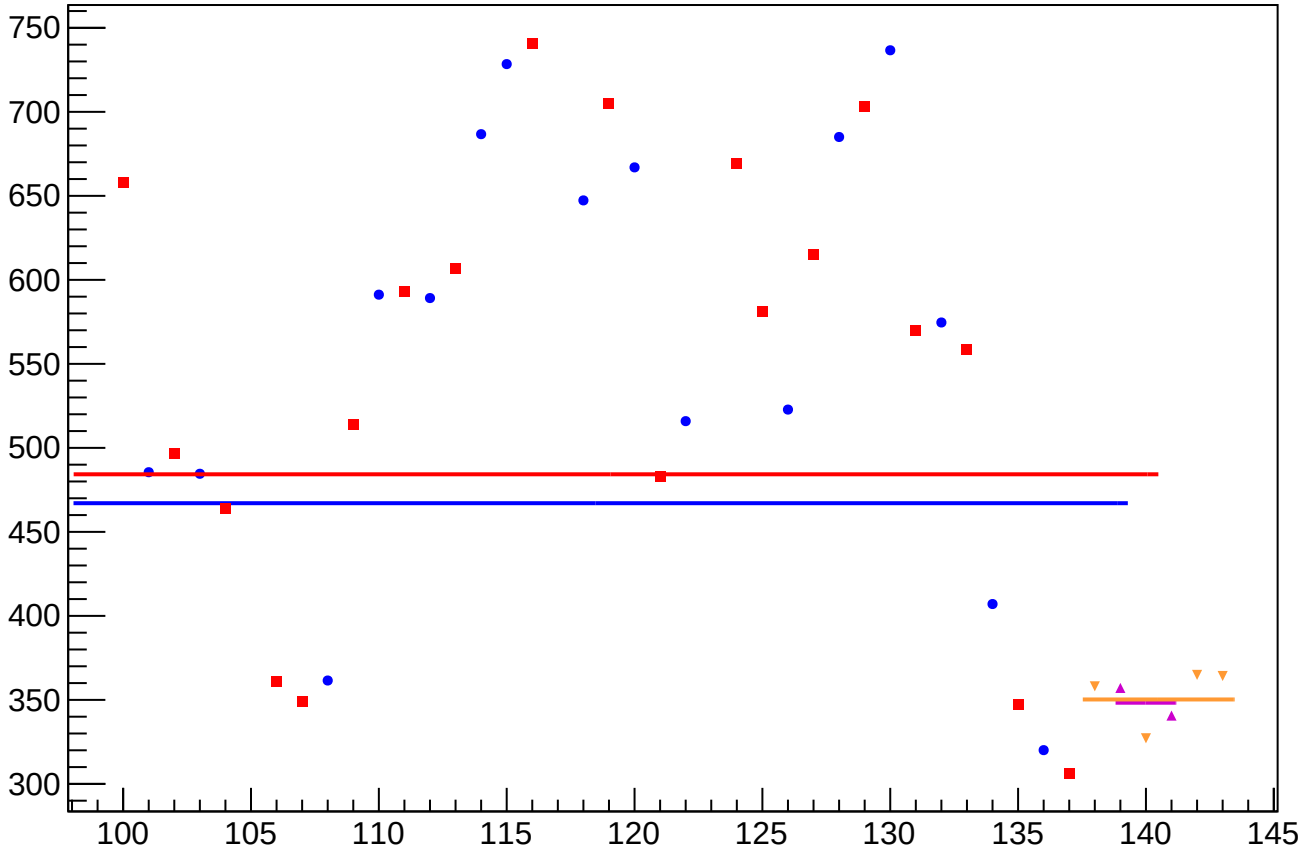
Left In: -62.786+/-265.079 χ^2/NDF:0.0/1

+ sign -181.126+/-136.078 χ^2/NDF: 24.5/19

All: -104.184+/-101.075 χ^2/NDF: 40.5/40

- sign -9.493+/-150.960 χ^2/NDF: 15.2/20

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 350.250+/-0.146 χ^2/NDF:12931.2/3

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

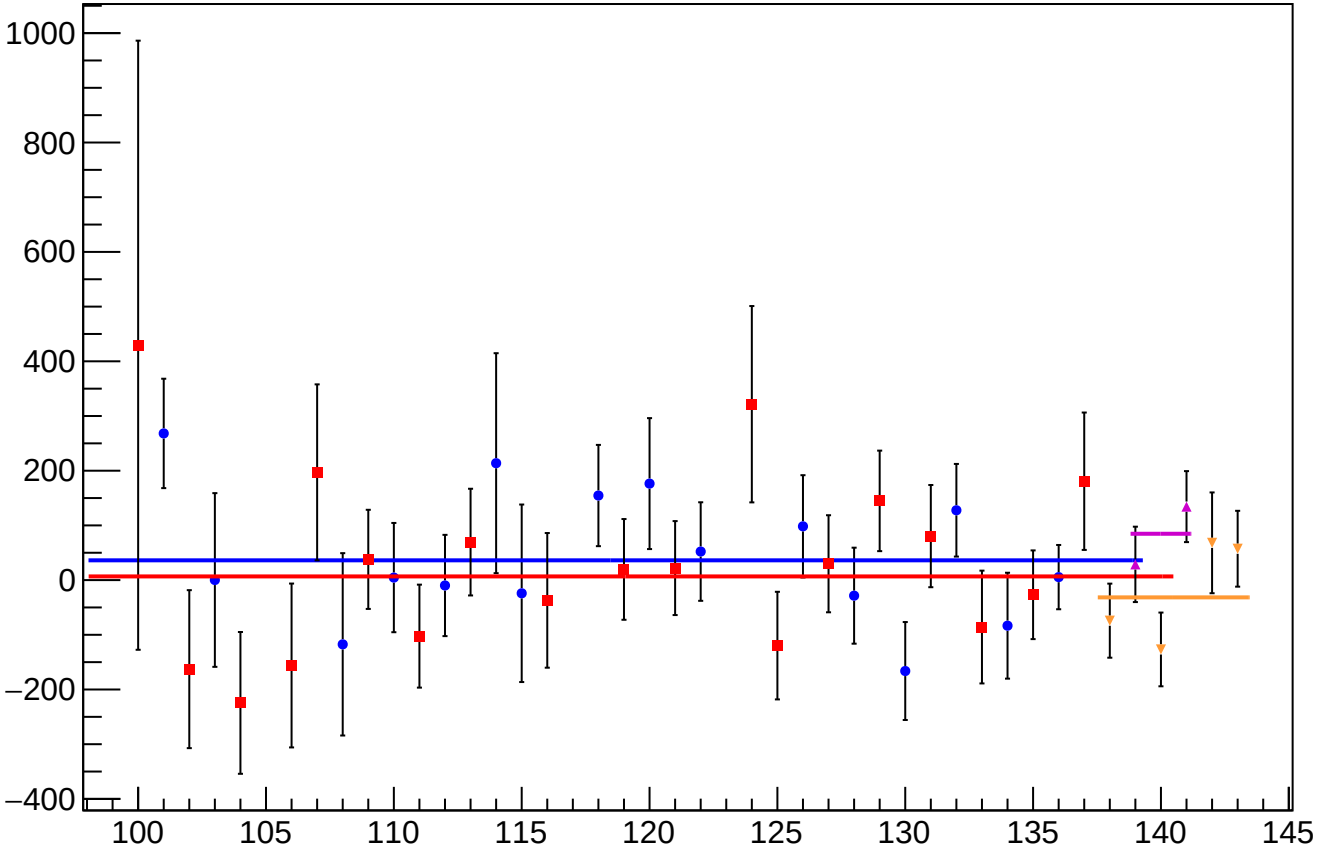
Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

+ sign 416.571+/-0.096 χ^2/NDF: 1404948.0/19

All: 427.156+/-0.071 χ^2/NDF: 2678117.3/40

- sign 440.182+/-0.107 χ^2/NDF: 1246178.3/20

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -31.577+/-36.177 χ^2/NDF:5.2/3

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

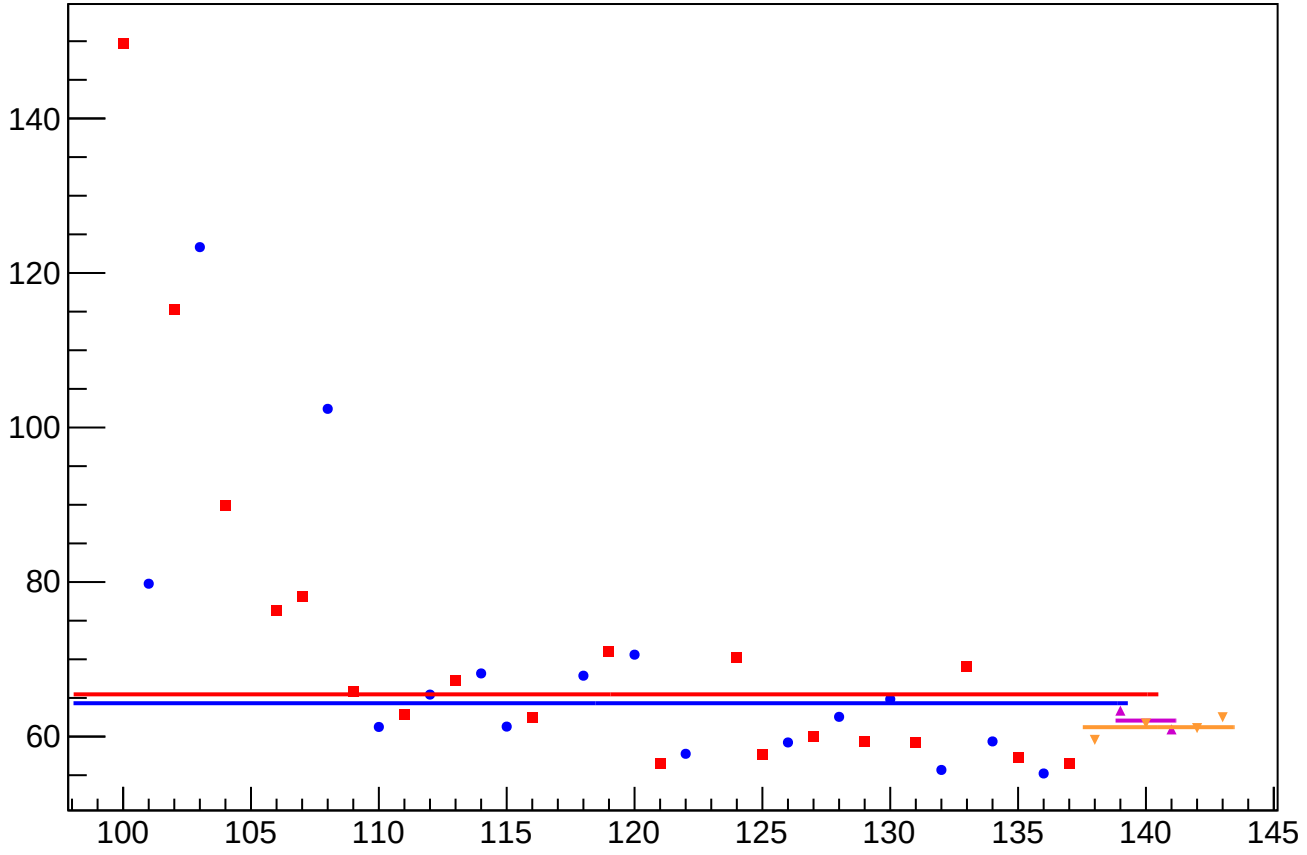
Left In: 84.713+/-47.244 χ^2/NDF:1.2/1

+ sign 14.894+/-20.270 χ^2/NDF: 27.3/19

All: 18.806+/-14.843 χ^2/NDF: 51.1/40

- sign 23.330+/-21.795 χ^2/NDF: 23.7/20

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.216+/-0.026 χ^2/NDF:1974.1/3

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

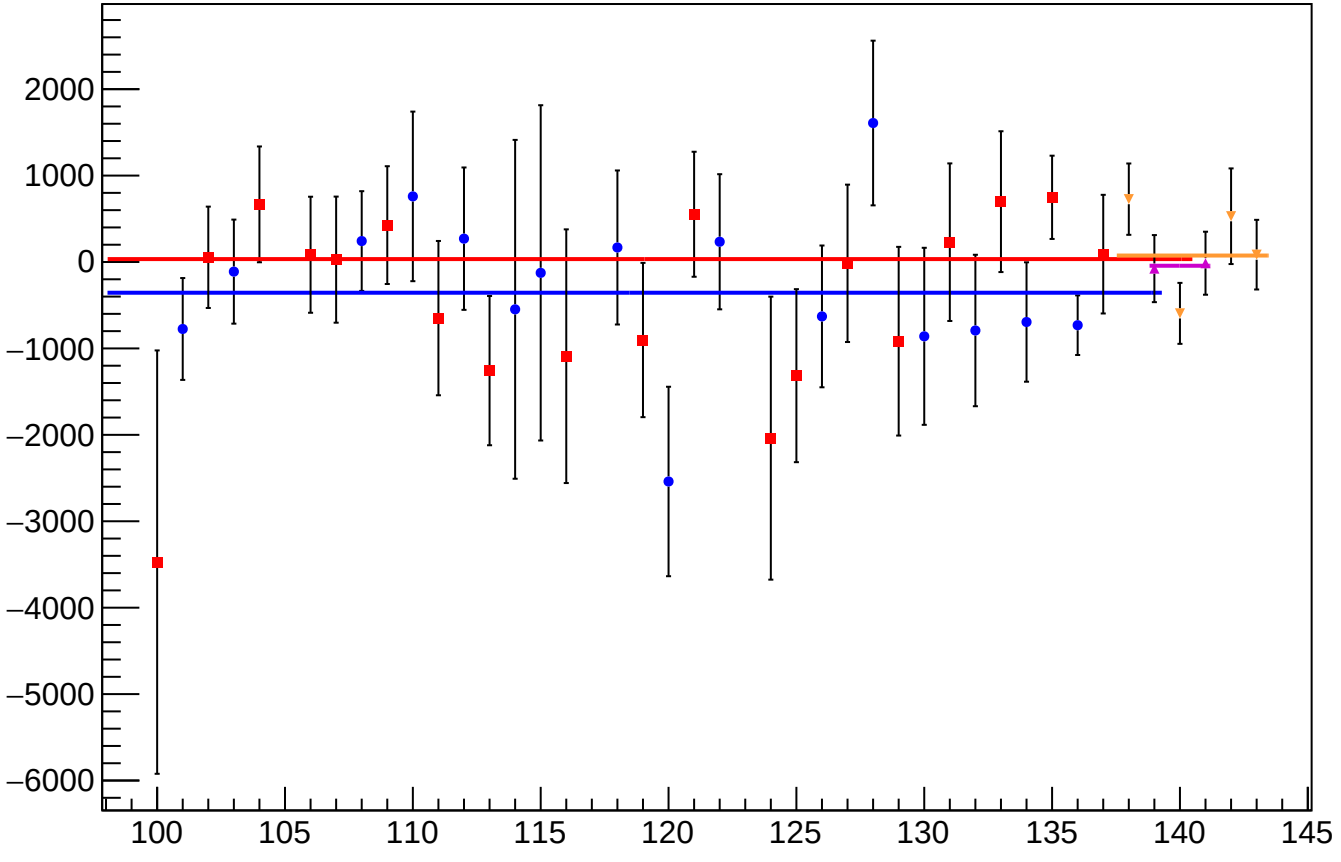
Left In: 62.071+/-0.033 χ^2/NDF:1315.9/1

+ sign 63.343+/-0.014 χ^2/NDF: 544115.6/19

All: 63.993+/-0.010 χ^2/NDF: 1040350.9/40

- sign 64.744+/-0.015 χ^2/NDF: 491807.5/20

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 74.825+/-207.028 χ^2/NDF:6.8/3

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

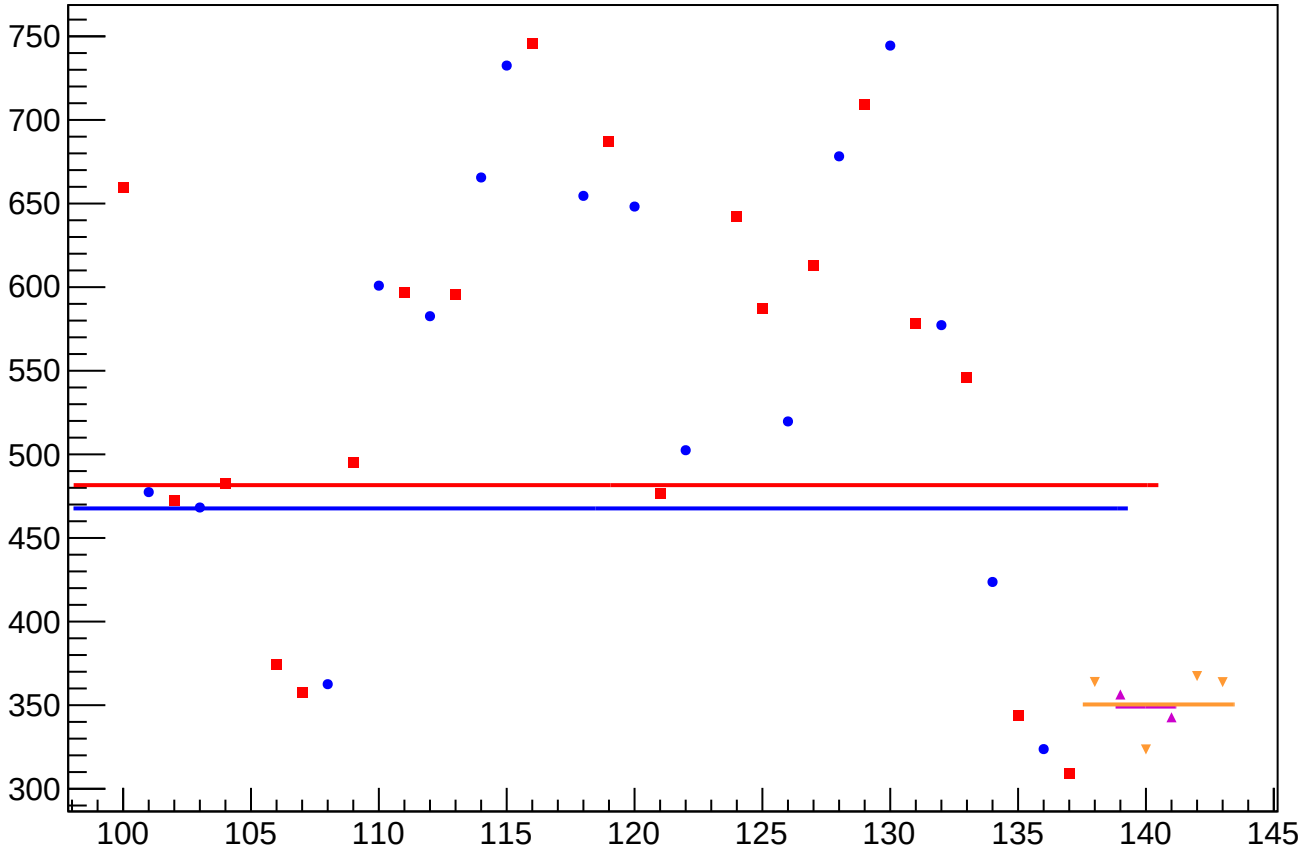
Left In: -43.298+/-265.733 χ^2/NDF:0.0/1

+ sign -169.867+/-135.980 χ^2/NDF: 24.0/19

All: -89.014+/-100.718 χ^2/NDF: 40.3/40

- sign 9.254+/-149.911 χ^2/NDF: 15.5/20

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 350.438+/-0.146 χ^2/NDF:17831.3/3

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

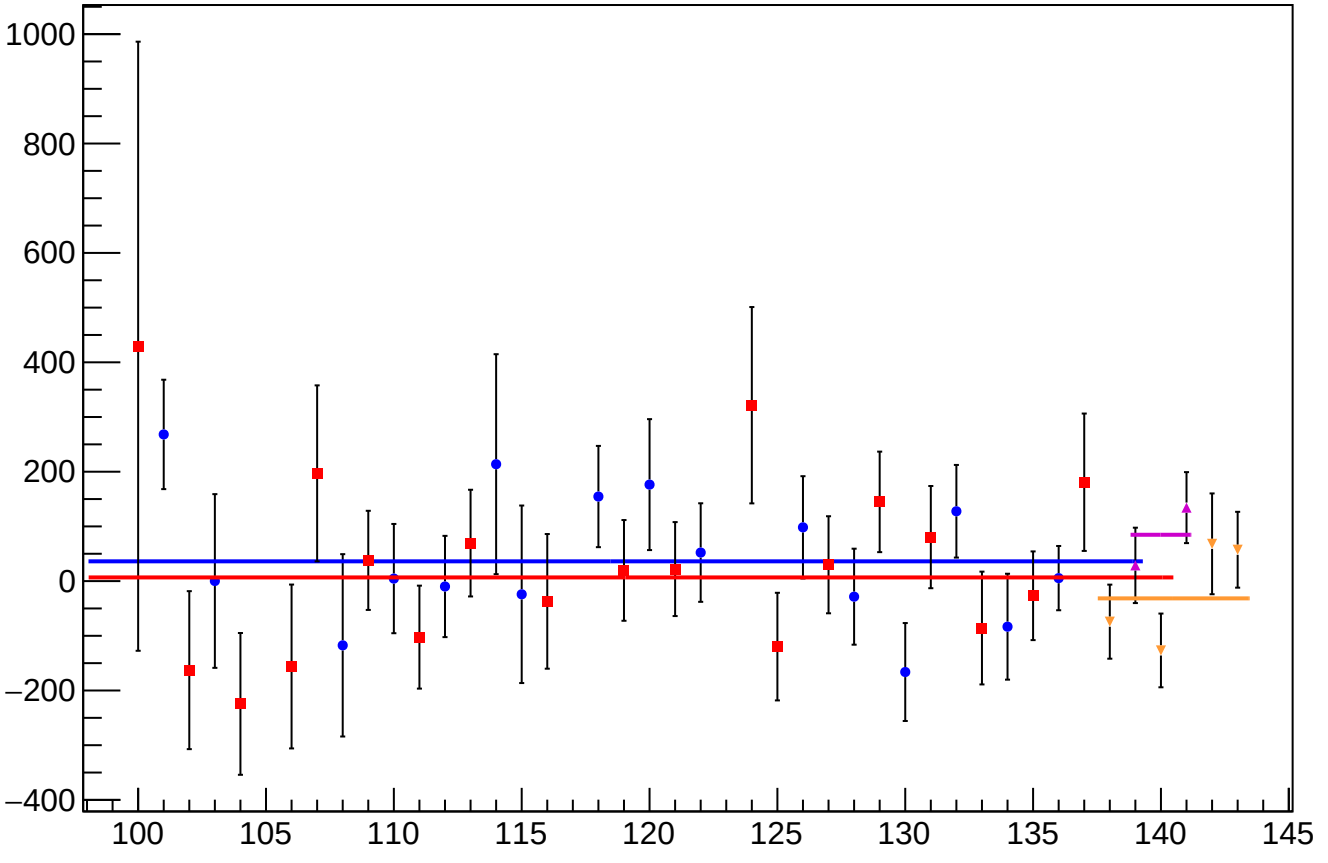
Left In: 349.159+/-0.188 χ^2/NDF:1311.5/1

+ sign 417.097+/-0.096 χ^2/NDF: 1368438.0/19

All: 427.187+/-0.071 χ^2/NDF: 2587114.1/40

- sign 439.450+/-0.106 χ^2/NDF: 1194281.7/20

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -31.576+/-36.177 χ^2/NDF:5.2/3

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

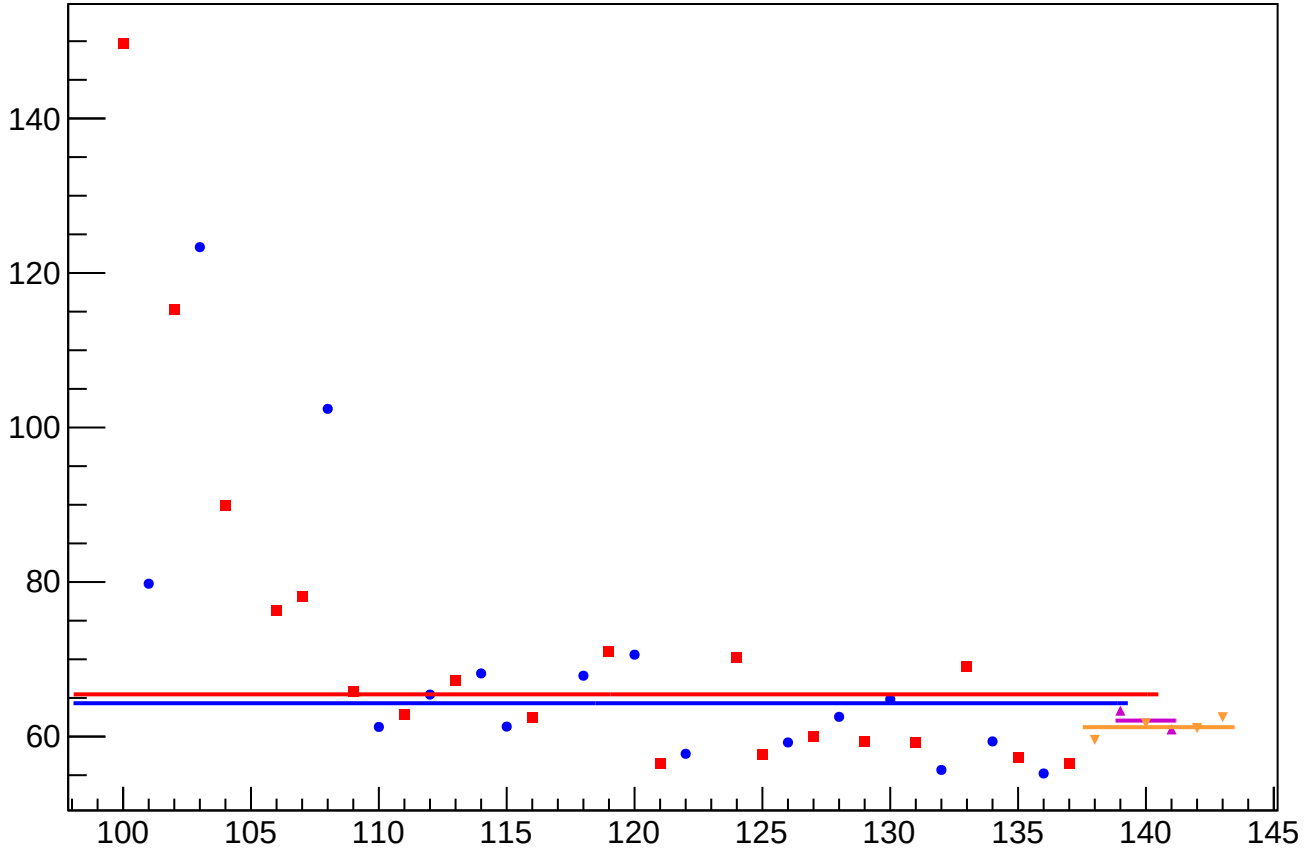
Left In: 84.712+/-47.244 χ^2/NDF:1.2/1

+ sign 14.894+/-20.270 χ^2/NDF: 27.3/19

All: 18.806+/-14.843 χ^2/NDF: 51.1/40

- sign 23.330+/-21.795 χ^2/NDF: 23.7/20

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.216+/-0.026 χ^2/NDF:1974.0/3

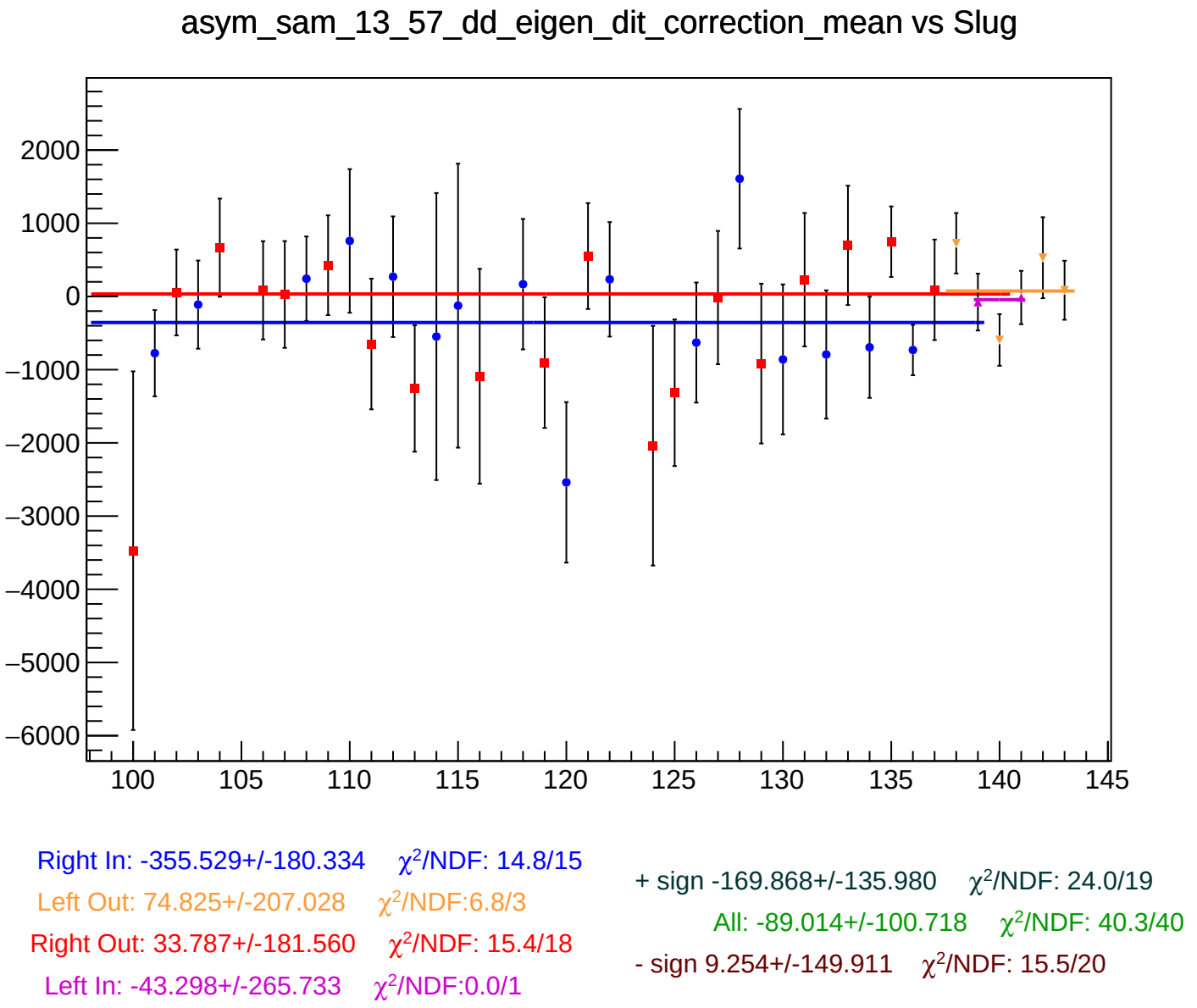
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.071+/-0.033 χ^2/NDF:1315.7/1

+ sign 63.343+/-0.014 χ^2/NDF: 544122.7/19

All: 63.993+/-0.010 χ^2/NDF: 1040362.9/40

- sign 64.743+/-0.015 χ^2/NDF: 491812.5/20


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug
2000
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−1000
−2000
−3000
−4000
−5000
−6000
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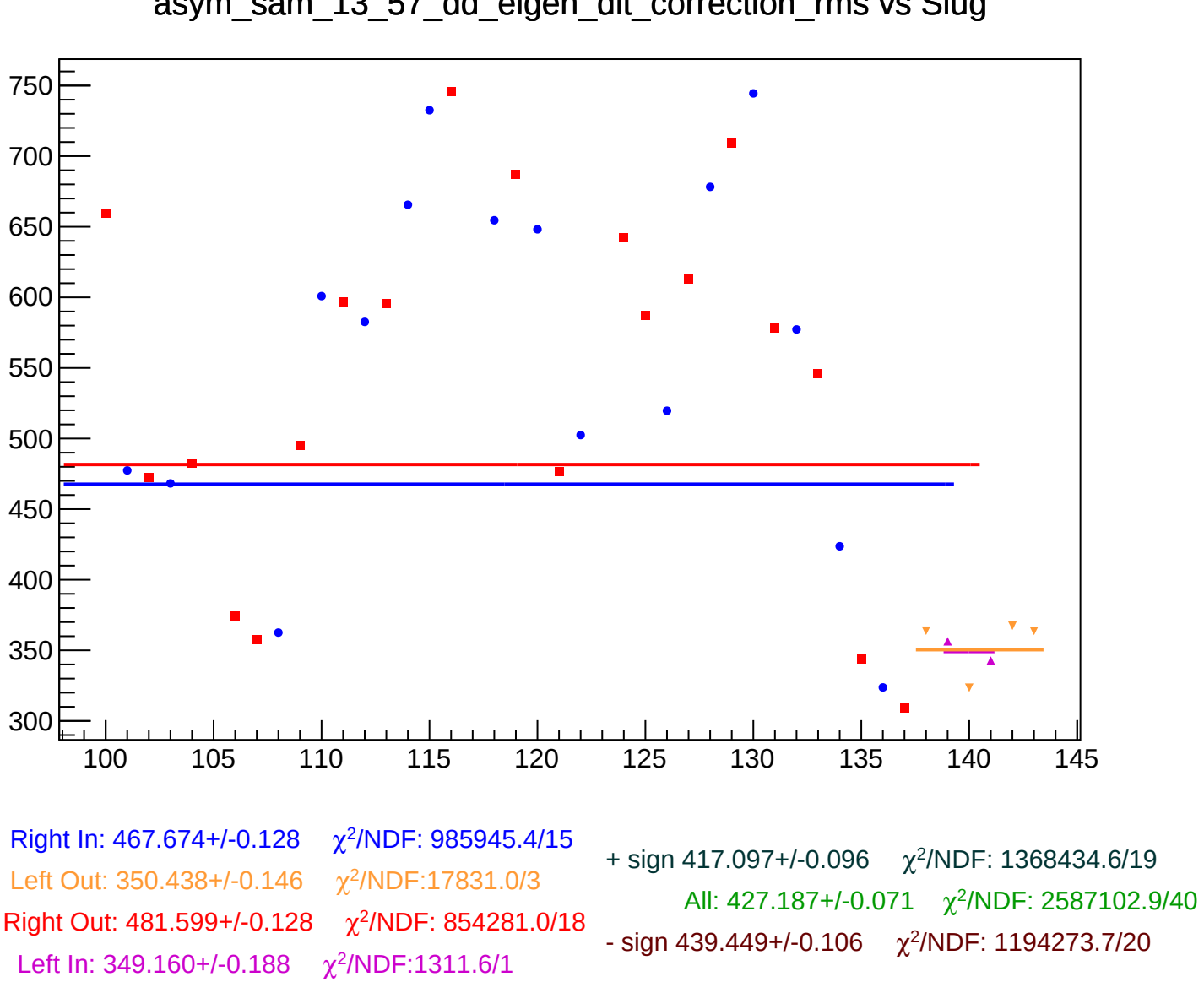
110
115
120
125
130
135
140
145
Right In: -355.529+/-180.334 χ²/NDF: 14.8/15
Left Out: 74.825+/-207.028 χ²/NDF:6.8/3
Right Out: 33.787+/-181.560 χ²/NDF: 15.4/18
Left In: -43.298+/-265.733 χ²/NDF:0.0/1
+ sign -169.868+/-135.980 χ²/NDF: 24.0/19
All: -89.014+/-100.718 χ²/NDF: 40.3/40
- sign 9.254+/-149.911 χ²/NDF: 15.5/20


asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug
750
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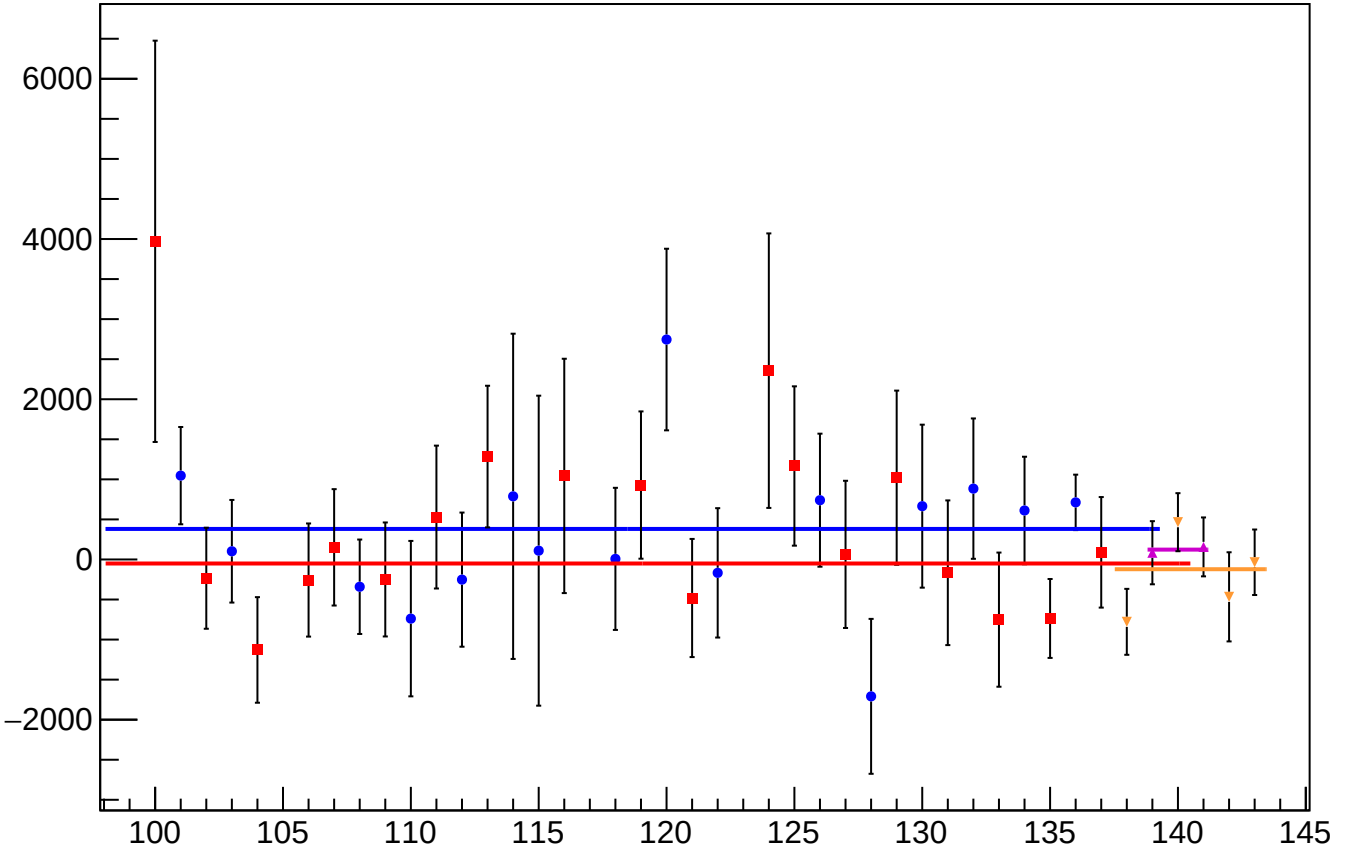
Right In: 467.674+/-0.128 χ²/NDF: 985945.4/15
Left Out: 350.438+/-0.146 χ²/NDF:17831.0/3
Right Out: 481.599+/-0.128 χ²/NDF: 854281.0/18
Left In: 349.160+/-0.188 χ²/NDF:1311.6/1
+ sign 417.097+/-0.096 χ²/NDF: 1368434.6/19
All: 427.187+/-0.071 χ²/NDF: 2587102.9/40
- sign 439.449+/-0.106 χ²/NDF: 1194273.7/20

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -121.700+/-209.717 χ^2/NDF:5.6/3

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

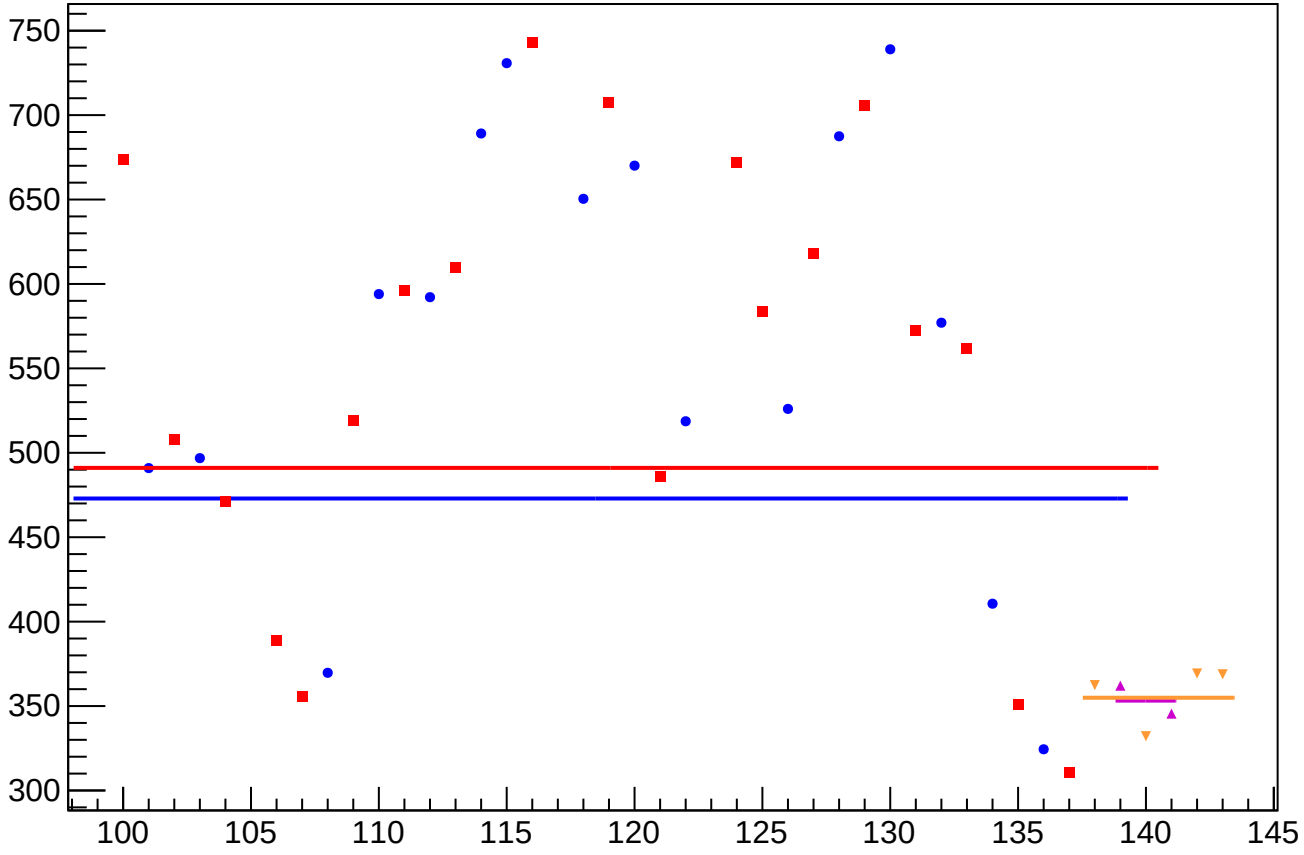
Left In: 122.918+/-268.802 χ^2/NDF:0.0/1

+ sign 164.206+/-137.738 χ^2/NDF: 25.0/19

All: 92.890+/-102.229 χ^2/NDF: 43.4/40

- sign 5.420+/-152.541 χ^2/NDF: 17.8/20

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 354.930+/-0.148 χ^2/NDF:12213.5/3

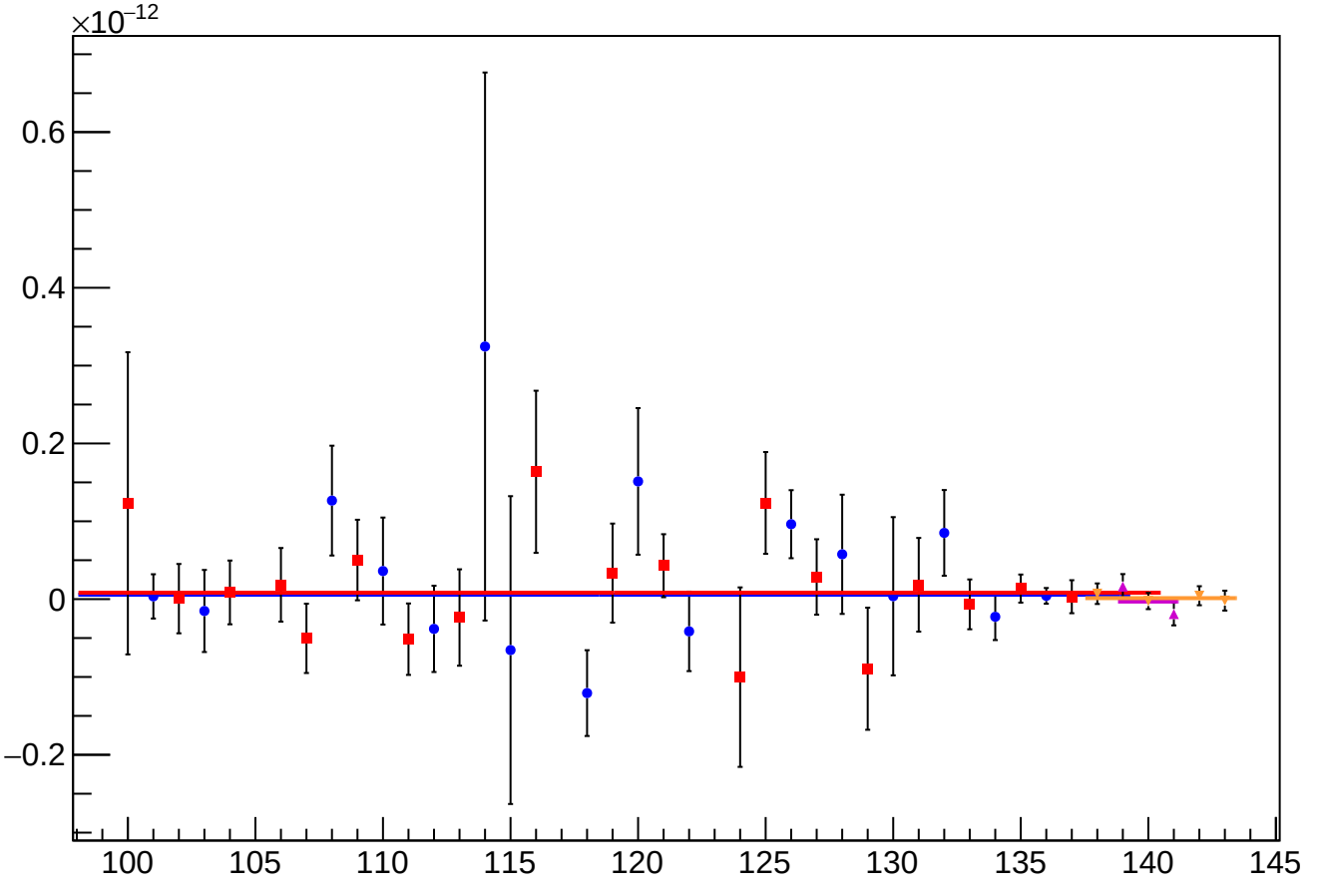
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 353.227+/-0.190 χ^2/NDF:1885.3/1

+ sign 422.027+/-0.097 χ^2/NDF: 1372506.6/19

All: 433.097+/-0.072 χ^2/NDF: 2607175.9/40

- sign 446.674+/-0.108 χ^2/NDF: 1205905.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/3

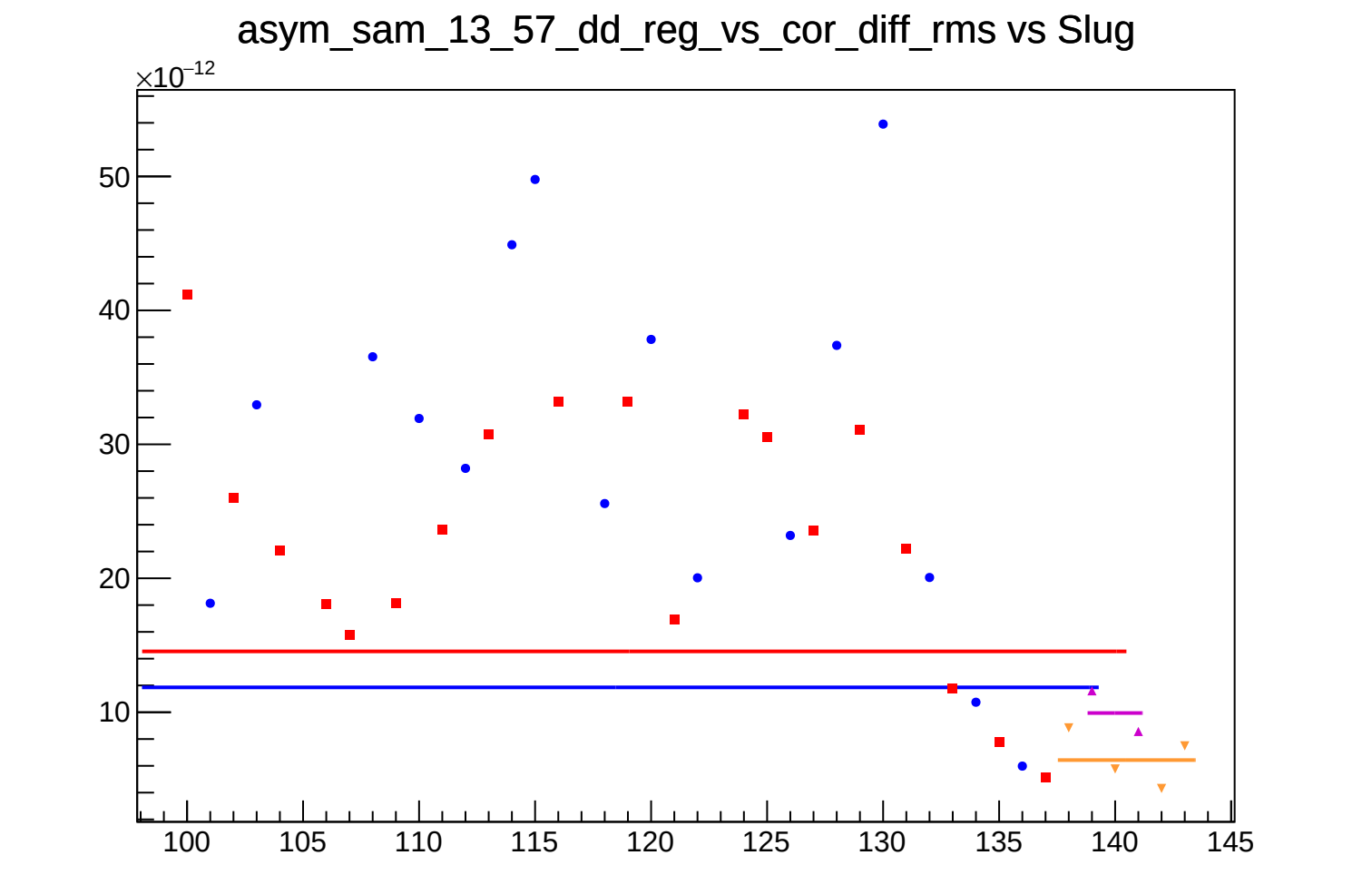
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.8/19

All: 0.000+/-0.000 χ^2/NDF: 39.1/40

- sign 0.000+/-0.000 χ^2/NDF: 17.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:148357.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

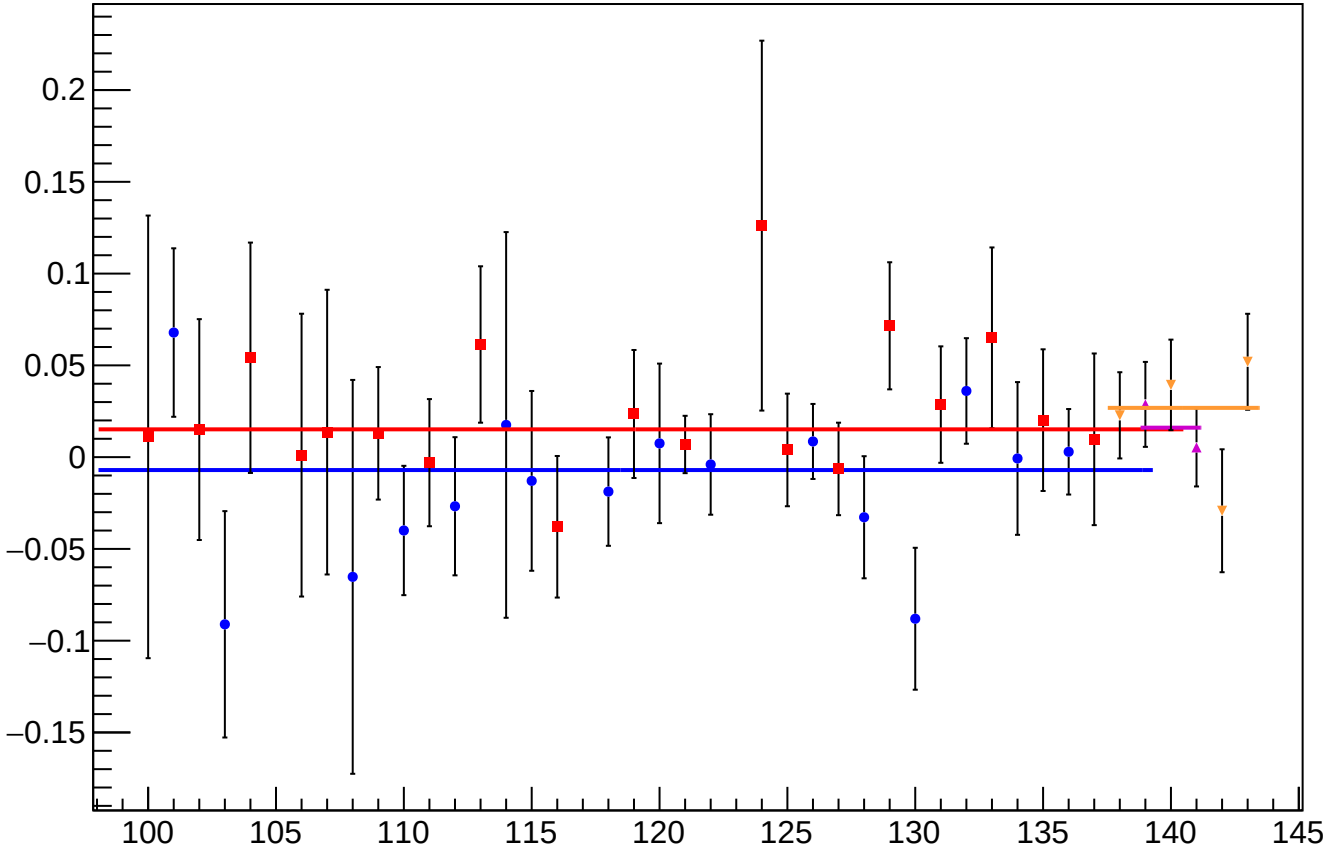
Left In: 0.000+/-0.000 χ^2/NDF:39309.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 3575653.3/19

All: 0.000+/-0.000 χ^2/NDF: 6085376.3/40

- sign 0.000+/-0.000 χ^2/NDF: 2018266.4/20

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: 0.027+/-0.013 χ^2/NDF:4.0/3

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

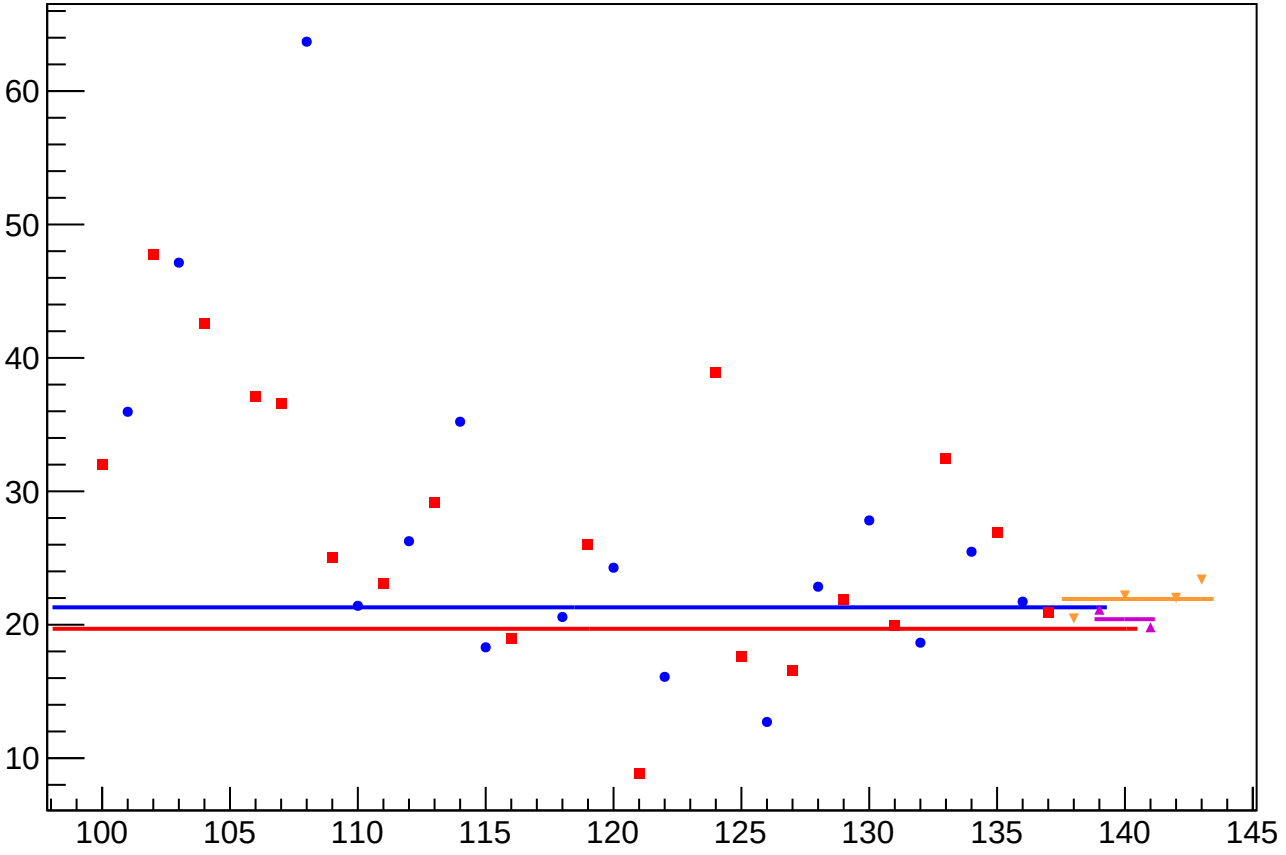
Left In: 0.016+/-0.016 χ^2/NDF:0.6/1

+ sign 0.003+/-0.007 χ^2/NDF: 23.0/19

All: 0.009+/-0.005 χ^2/NDF: 35.0/40

- sign 0.015+/-0.007 χ^2/NDF: 10.6/20

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: 21.929+/-0.009 χ^2/NDF:14116.1/3

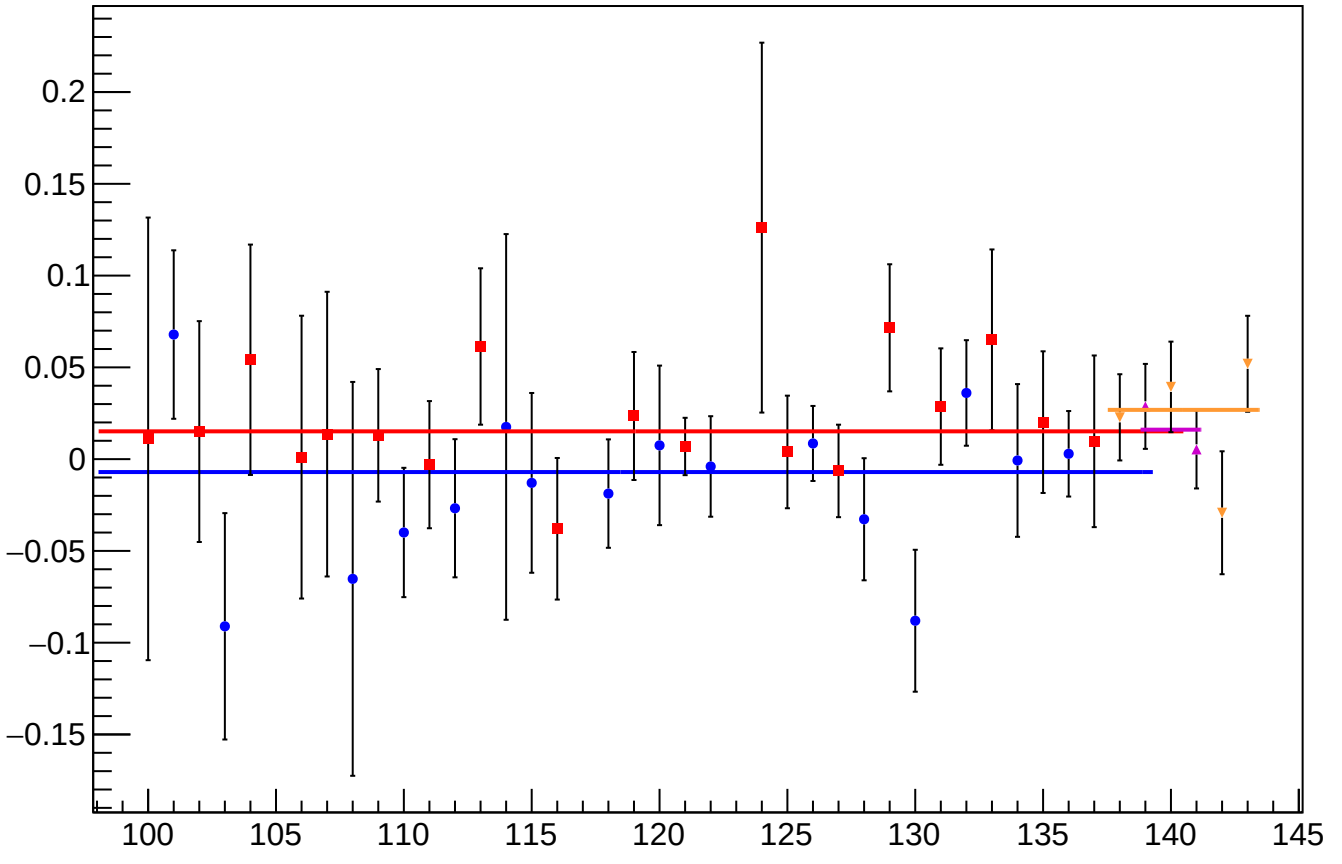
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.416+/-0.011 χ^2/NDF:3512.6/1

+ sign 21.494+/-0.005 χ^2/NDF: 1496675.9/19

All: 20.682+/-0.004 χ^2/NDF: 3993810.3/40

- sign 19.852+/-0.005 χ^2/NDF: 2445796.5/20



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.013 χ^2/NDF:4.0/3

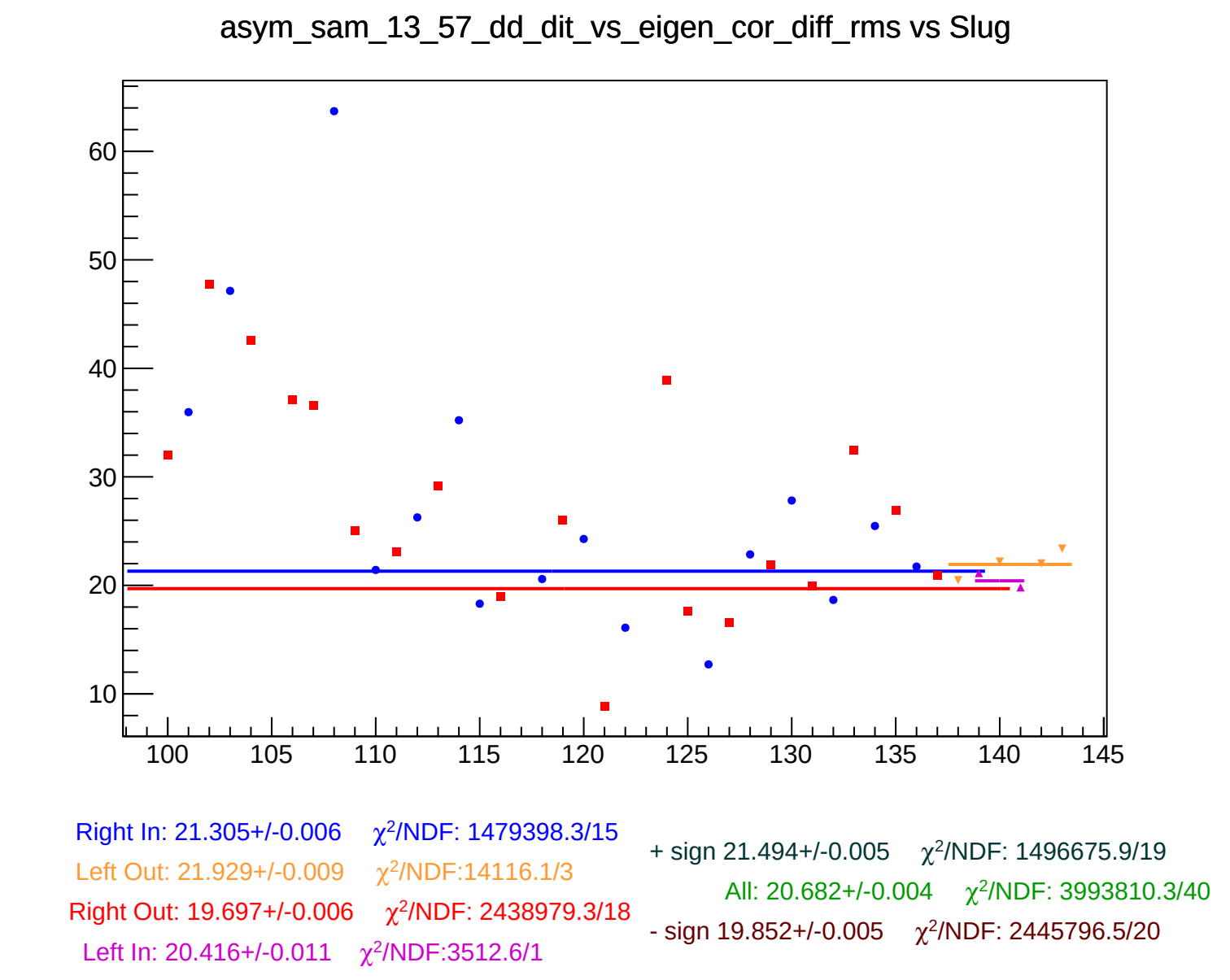
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.016+/-0.016 χ^2/NDF:0.6/1

+ sign 0.003+/-0.007 χ^2/NDF: 23.0/19

All: 0.009+/-0.005 χ^2/NDF: 35.0/40

- sign 0.015+/-0.007 χ^2/NDF: 10.6/20


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
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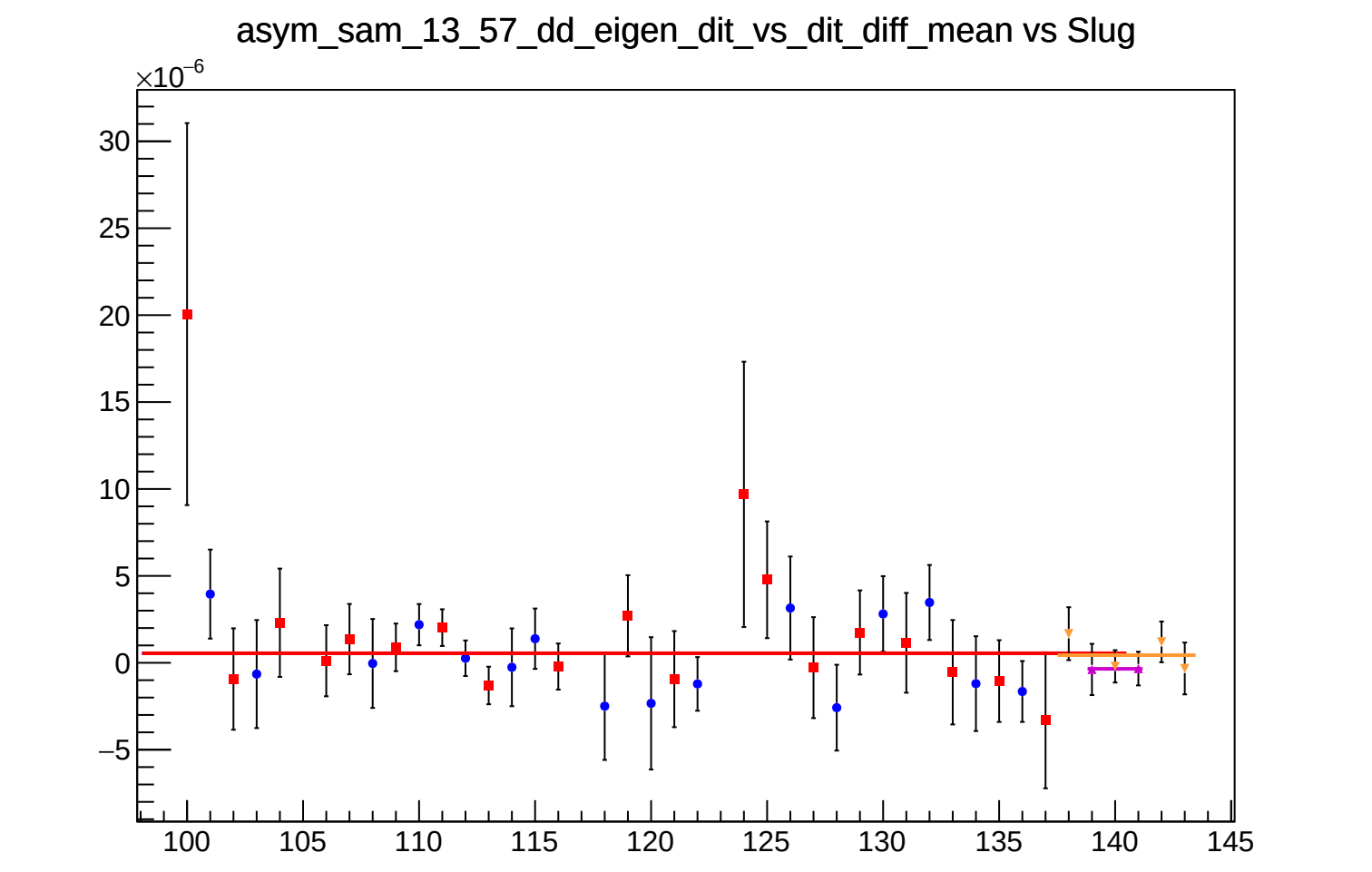
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 21.929+/-0.009 χ²/NDF:14116.1/3
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.416+/-0.011 χ²/NDF:3512.6/1
+ sign 21.494+/-0.005 χ²/NDF: 1496675.9/19
All: 20.682+/-0.004 χ²/NDF: 3993810.3/40
- sign 19.852+/-0.005 χ²/NDF: 2445796.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/3

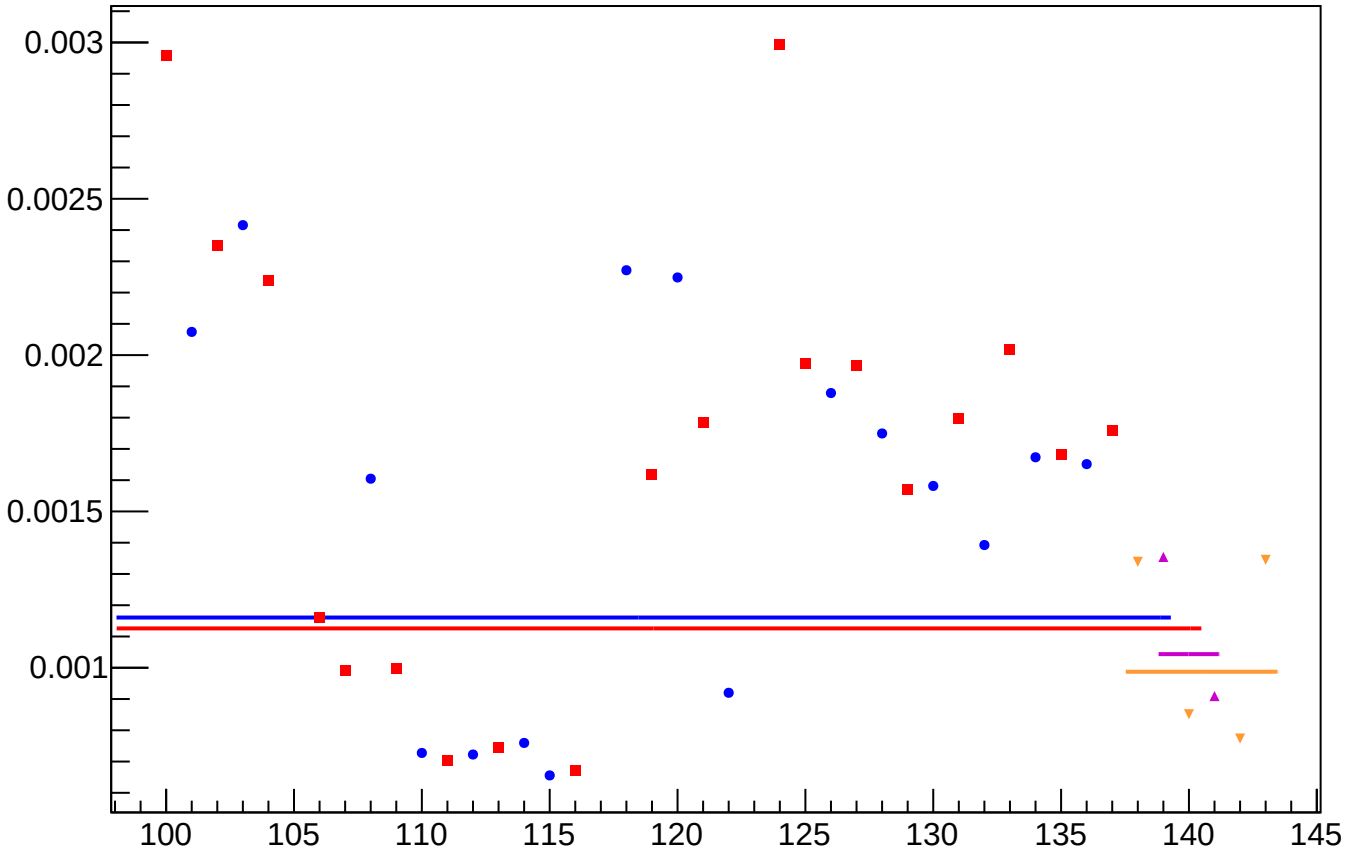
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 16.3/19

All: 0.000+/-0.000 χ^2/NDF: 32.7/40

- sign 0.000+/-0.000 χ^2/NDF: 16.3/20



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:331298.3/3

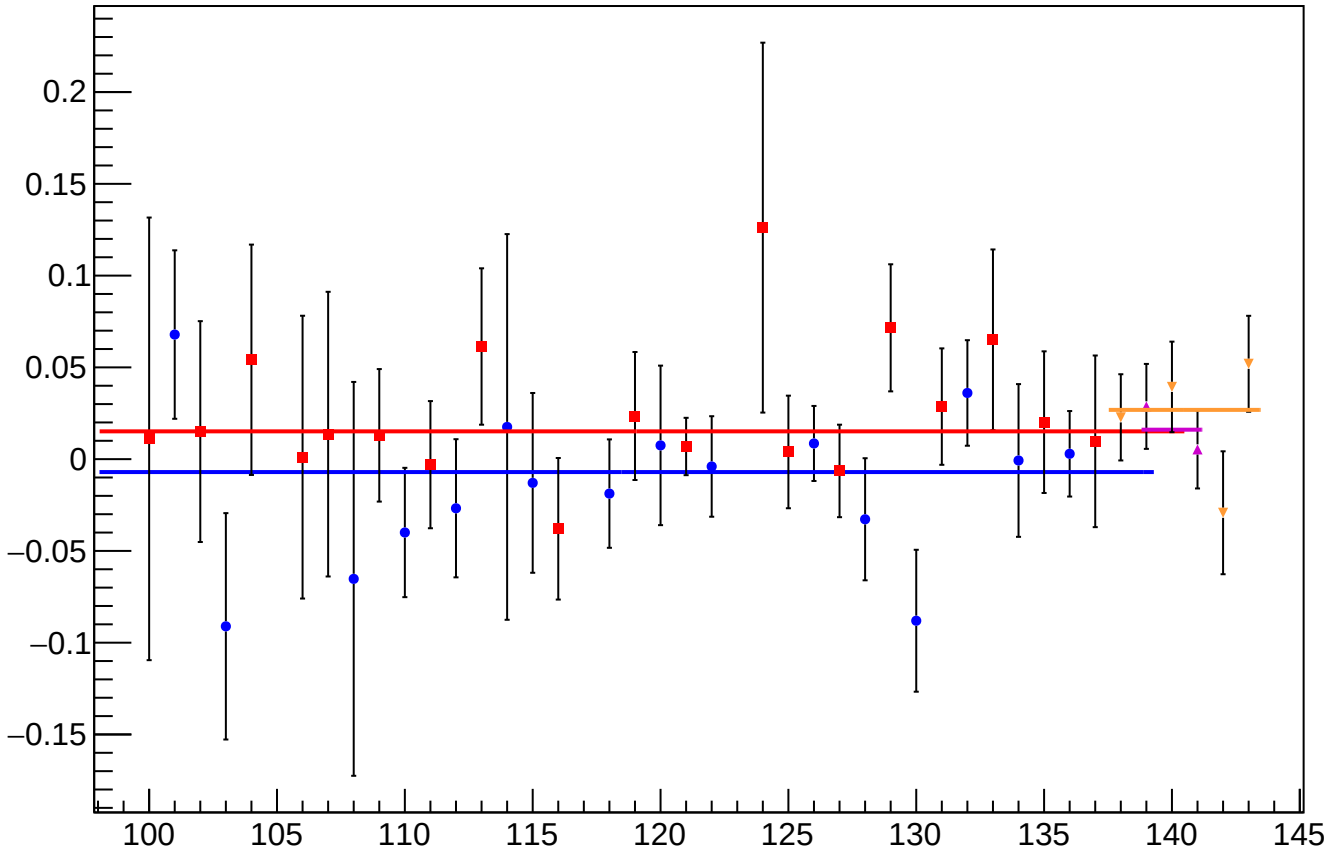
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:127300.6/1

+ sign 0.001+/-0.000 χ^2/NDF: 2967721.5/19

All: 0.001+/-0.000 χ^2/NDF: 5735666.5/40

- sign 0.001+/-0.000 χ^2/NDF: 2766907.8/20



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.013 χ^2/NDF:4.0/3

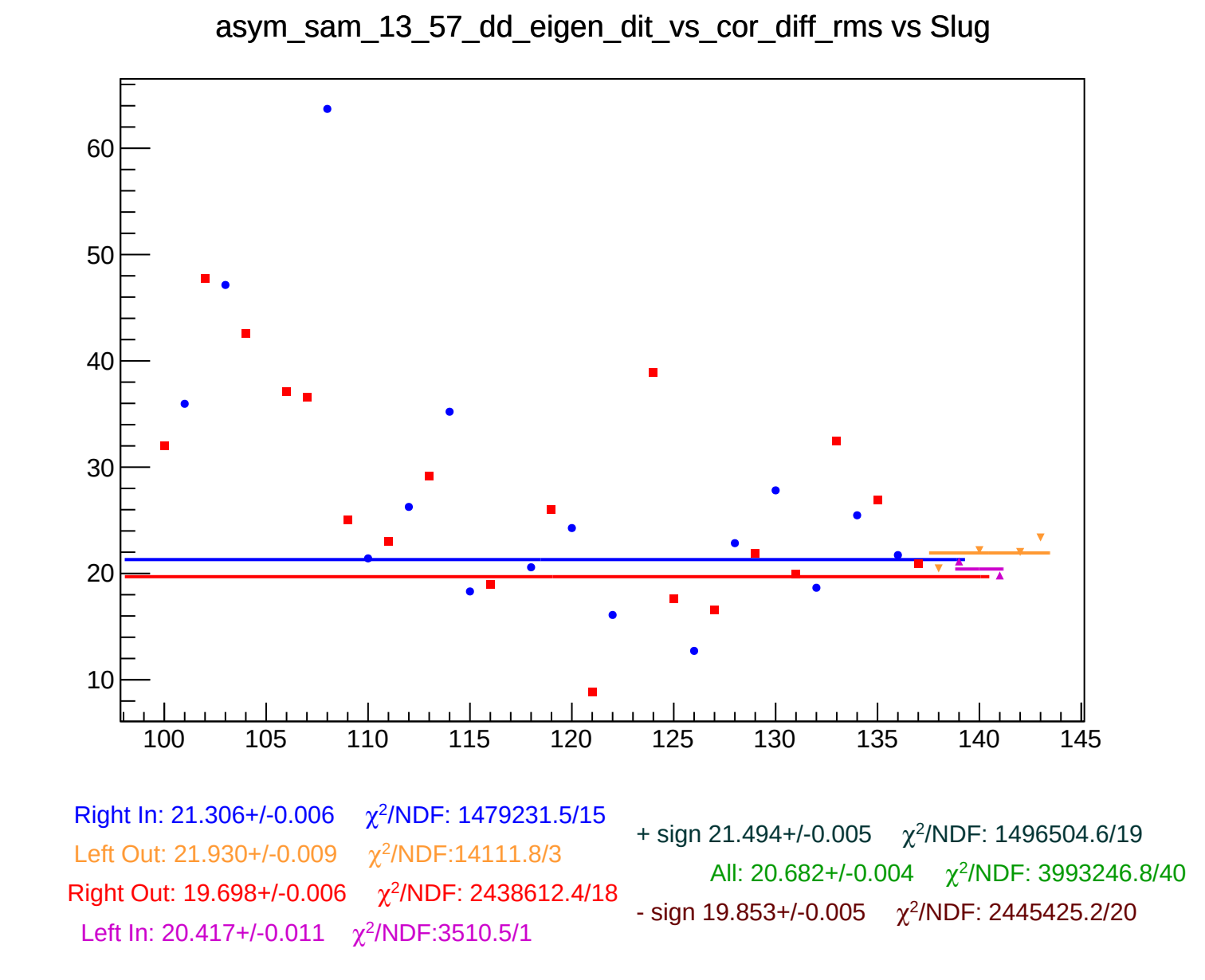
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.016+/-0.016 χ^2/NDF:0.6/1

+ sign 0.003+/-0.007 χ^2/NDF: 23.0/19

All: 0.009+/-0.005 χ^2/NDF: 35.1/40

- sign 0.015+/-0.007 χ^2/NDF: 10.6/20


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug
60
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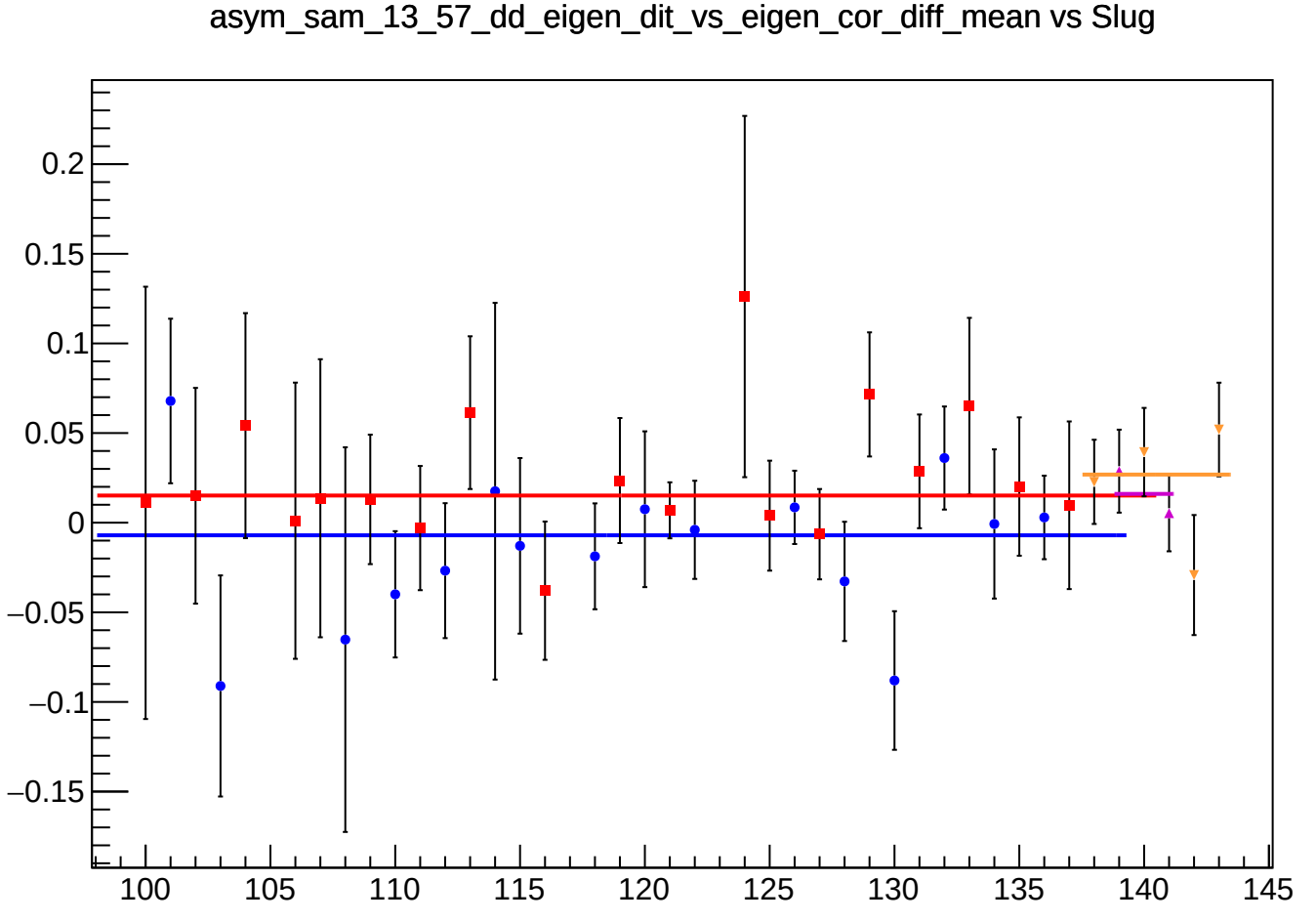
110
115
120
125
130
135
140
145
Right In: 21.306+/-0.006 χ2/NDF: 1479231.5/15
Left Out: 21.930+/-0.009 χ2/NDF:14111.8/3
Right Out: 19.698+/-0.006 χ2/NDF: 2438612.4/18
Left In: 20.417+/-0.011 χ2/NDF:3510.5/1
+ sign 21.494+/-0.005 χ2/NDF: 1496504.6/19
All: 20.682+/-0.004 χ2/NDF: 3993246.8/40
- sign 19.853+/-0.005 χ2/NDF: 2445425.2/20



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.013 χ^2/NDF:4.0/3

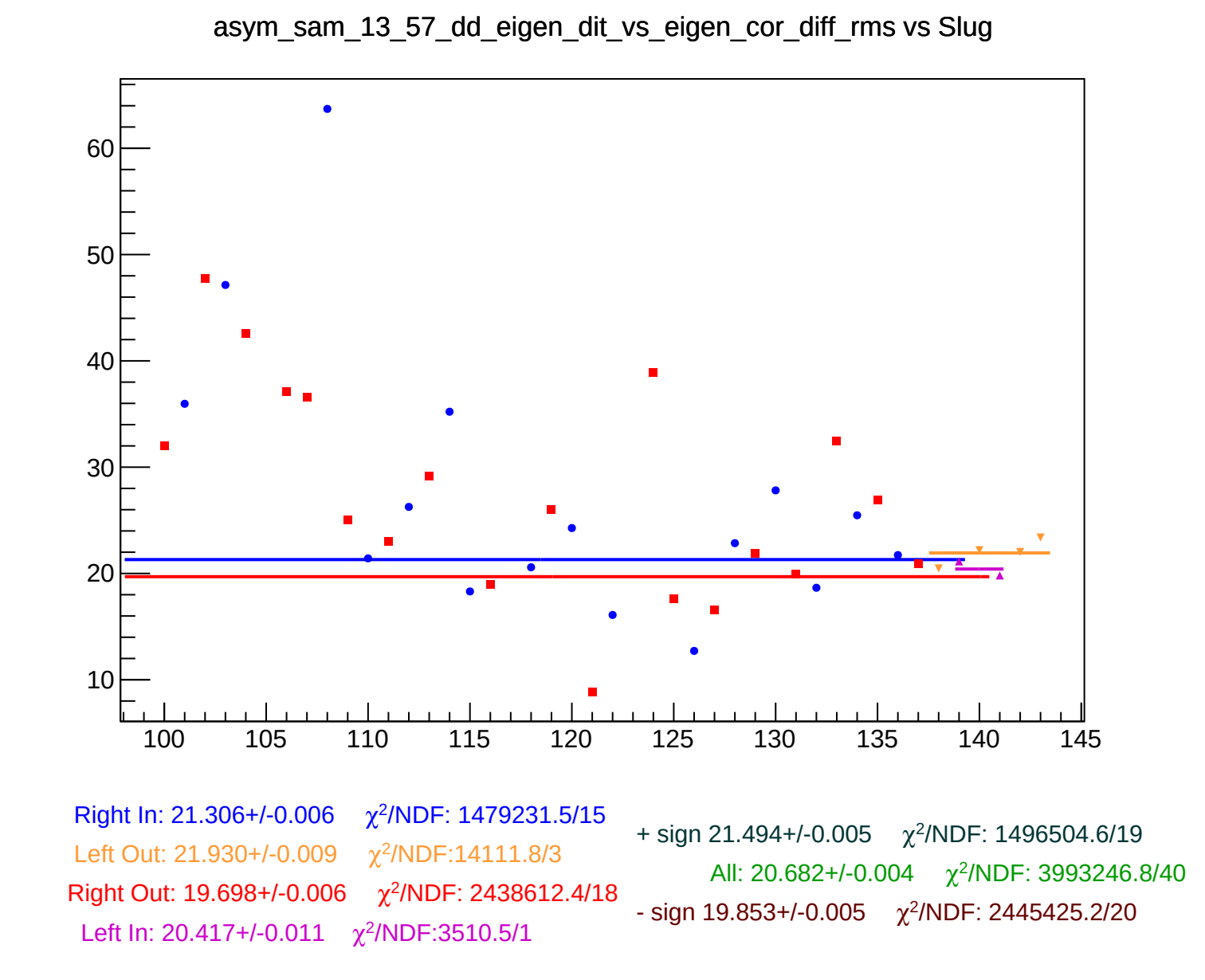
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.016+/-0.016 χ^2/NDF:0.6/1

+ sign 0.003+/-0.007 χ^2/NDF: 23.0/19

All: 0.009+/-0.005 χ^2/NDF: 35.1/40

- sign 0.015+/-0.007 χ^2/NDF: 10.6/20


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
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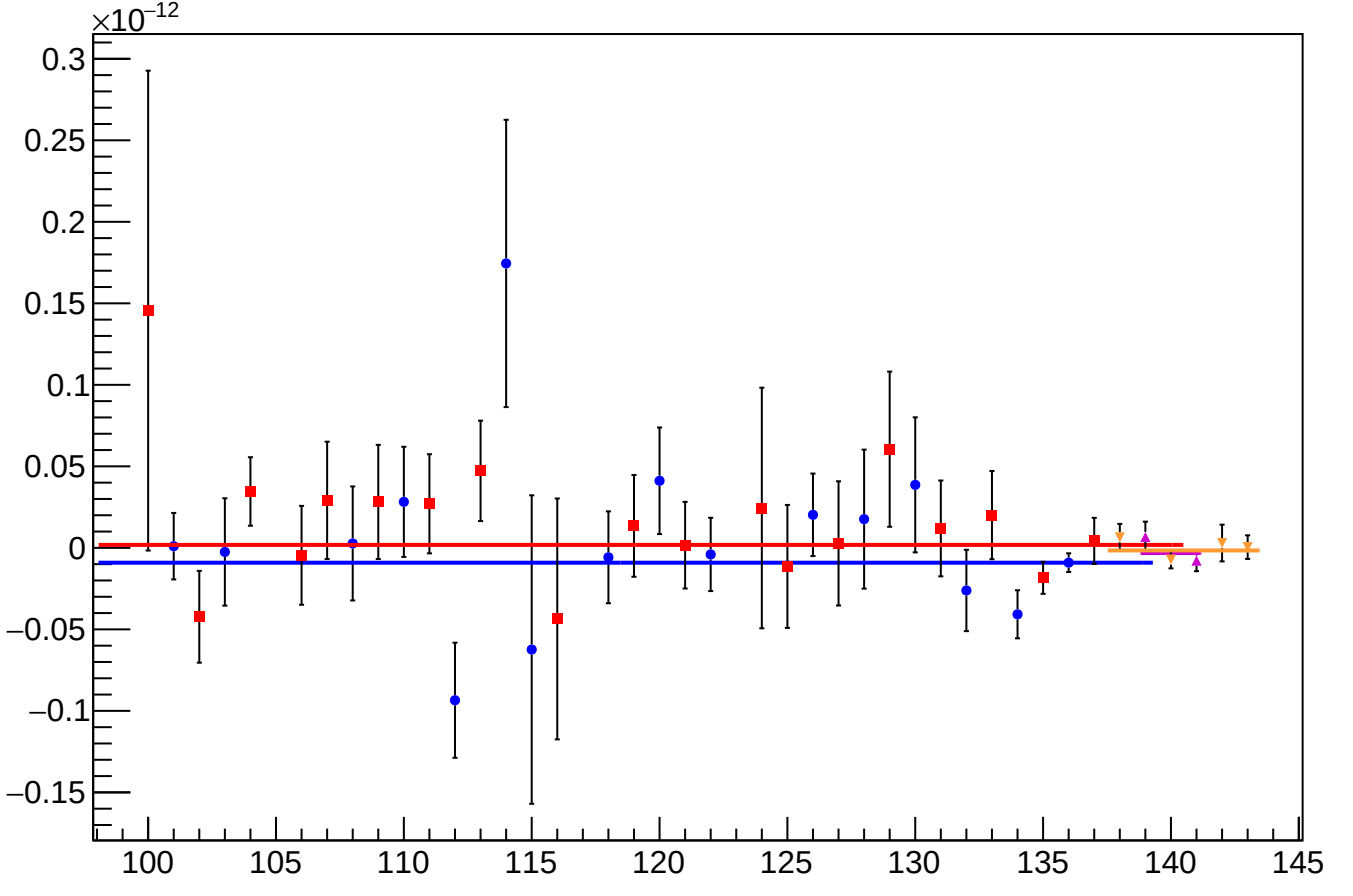
135
140
145
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 21.930+/-0.009 χ²/NDF:14111.8/3
Right Out: 19.698+/-0.006 χ²/NDF: 2438612.4/18
Left In: 20.417+/-0.011 χ²/NDF:3510.5/1
+ sign 21.494+/-0.005 χ²/NDF: 1496504.6/19
All: 20.682+/-0.004 χ²/NDF: 3993246.8/40
- sign 19.853+/-0.005 χ²/NDF: 2445425.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/3

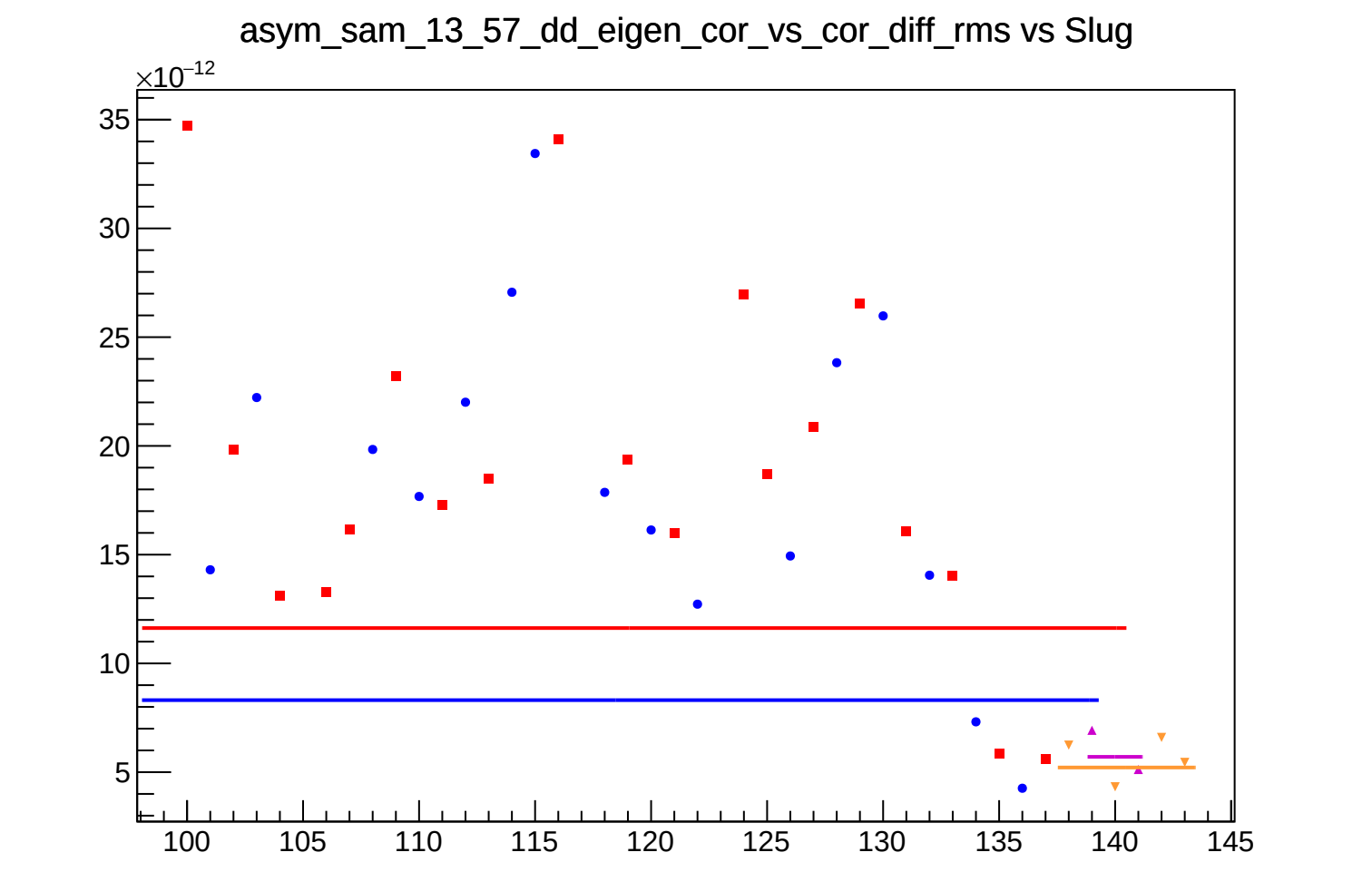
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/1

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/19

All: -0.000+/-0.000 χ^2/NDF: 46.1/40

- sign -0.000+/-0.000 χ^2/NDF: 19.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:117497.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

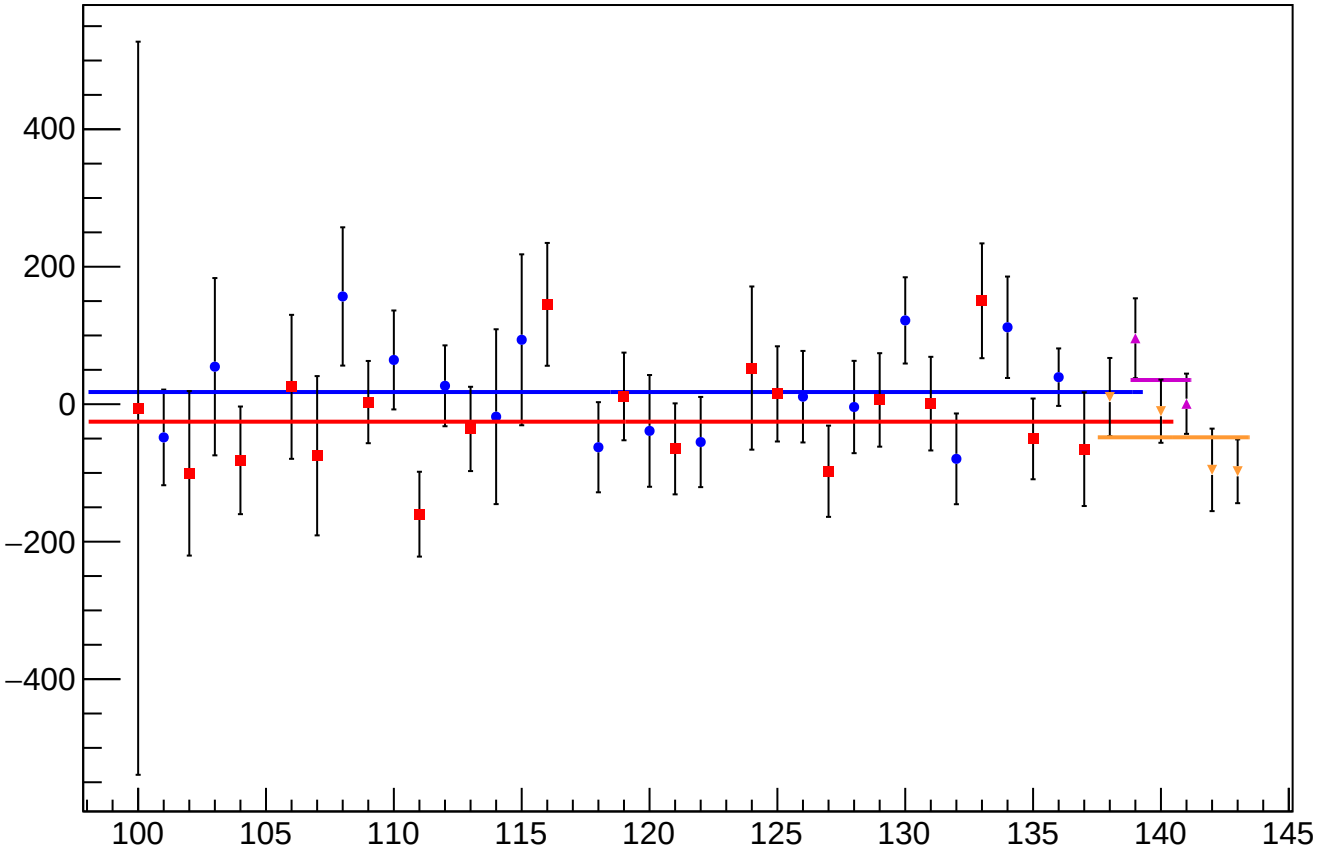
Left In: 0.000+/-0.000 χ^2/NDF:49774.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 4424154.5/19

All: 0.000+/-0.000 χ^2/NDF: 8598982.7/40

- sign 0.000+/-0.000 χ^2/NDF: 3813921.0/20

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.175+/-25.604 χ^2/NDF:3.5/3

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

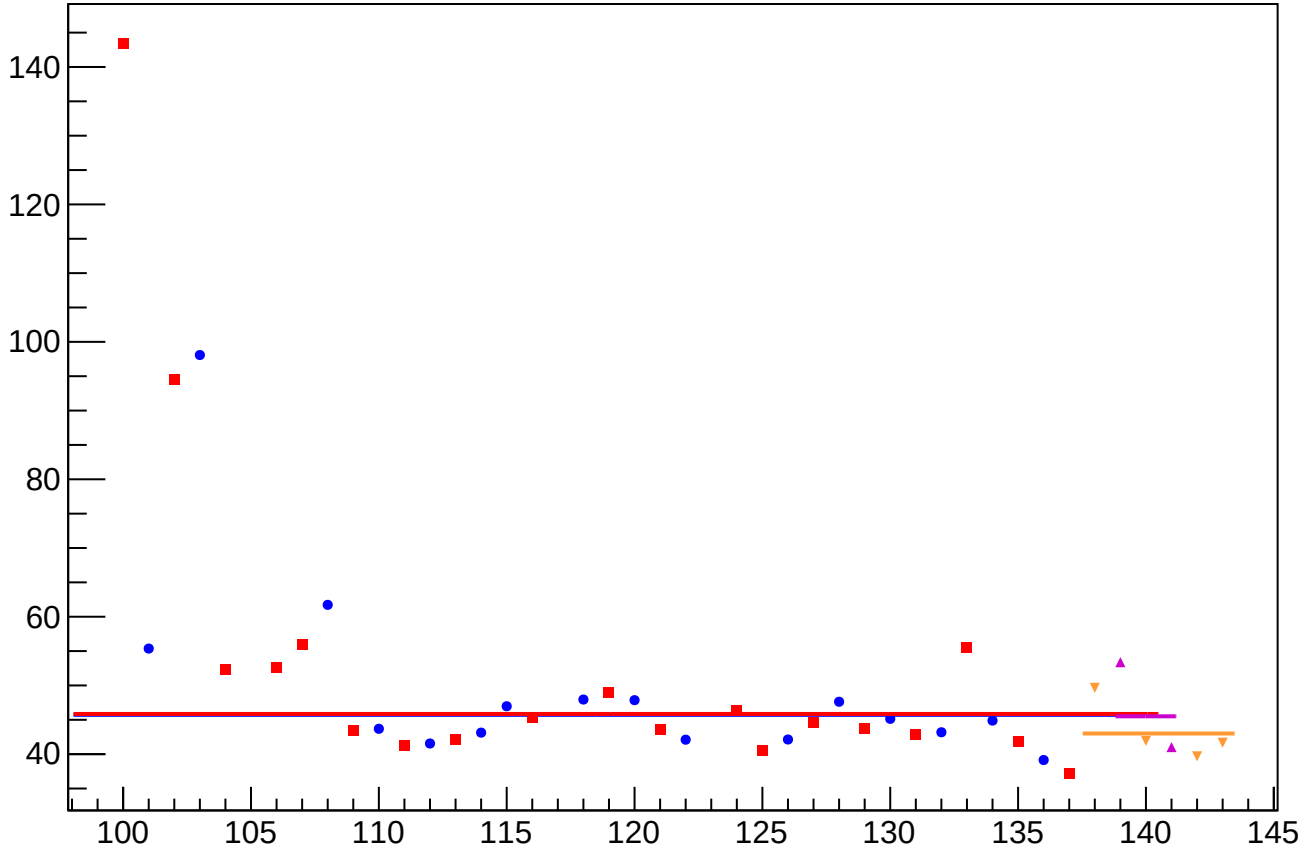
Left In: 35.200+/-34.993 χ^2/NDF:1.7/1

+ sign -3.226+/-14.431 χ^2/NDF: 22.0/19

All: -7.980+/-10.573 χ^2/NDF: 44.2/40

- sign -13.489+/-15.535 χ^2/NDF: 22.0/20

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

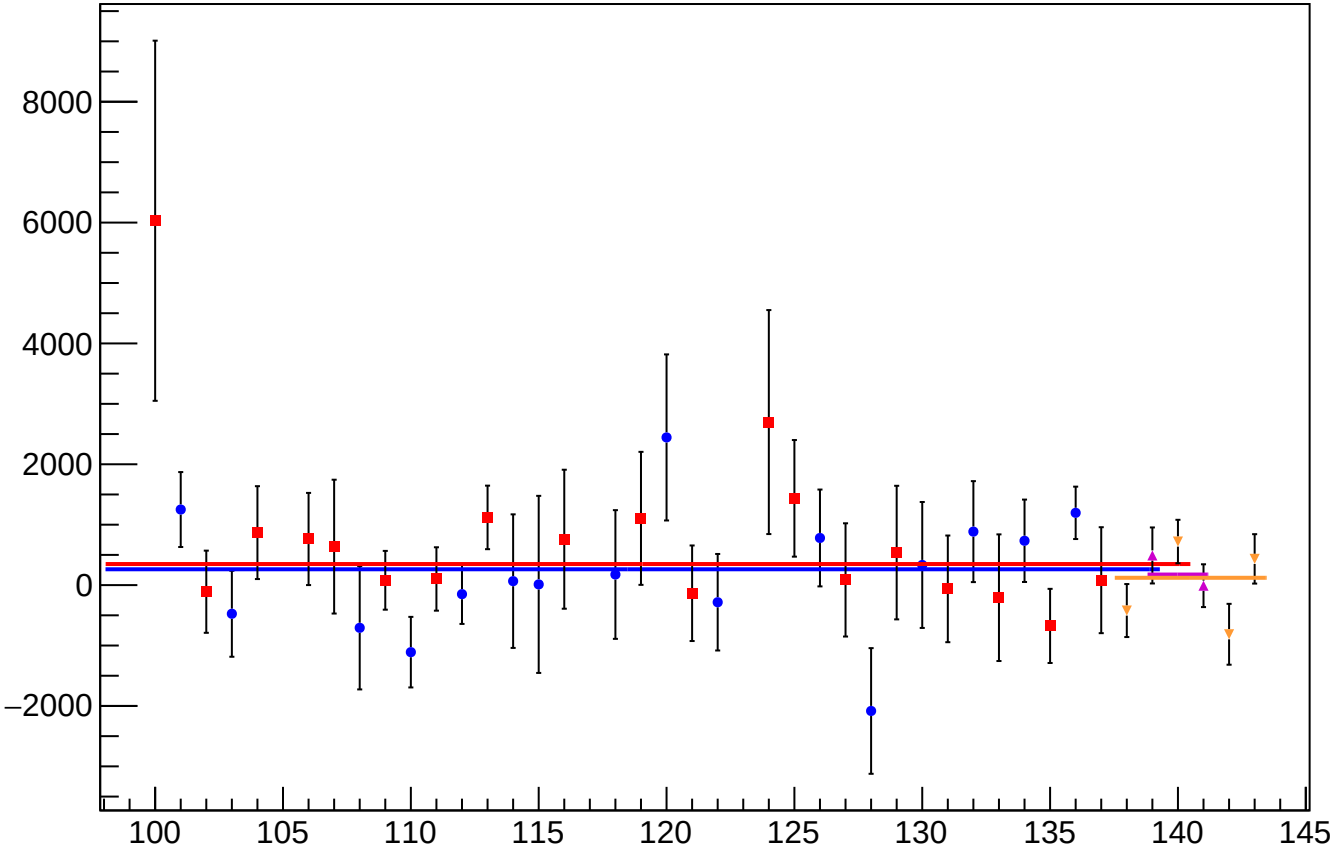
Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

+ sign 44.863+/-0.010 χ^2/NDF: 553082.9/19

All: 45.289+/-0.007 χ^2/NDF: 1154779.3/40

- sign 45.782+/-0.011 χ^2/NDF: 597939.5/20

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 121.088+/-209.219 χ^2/NDF:8.3/3

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

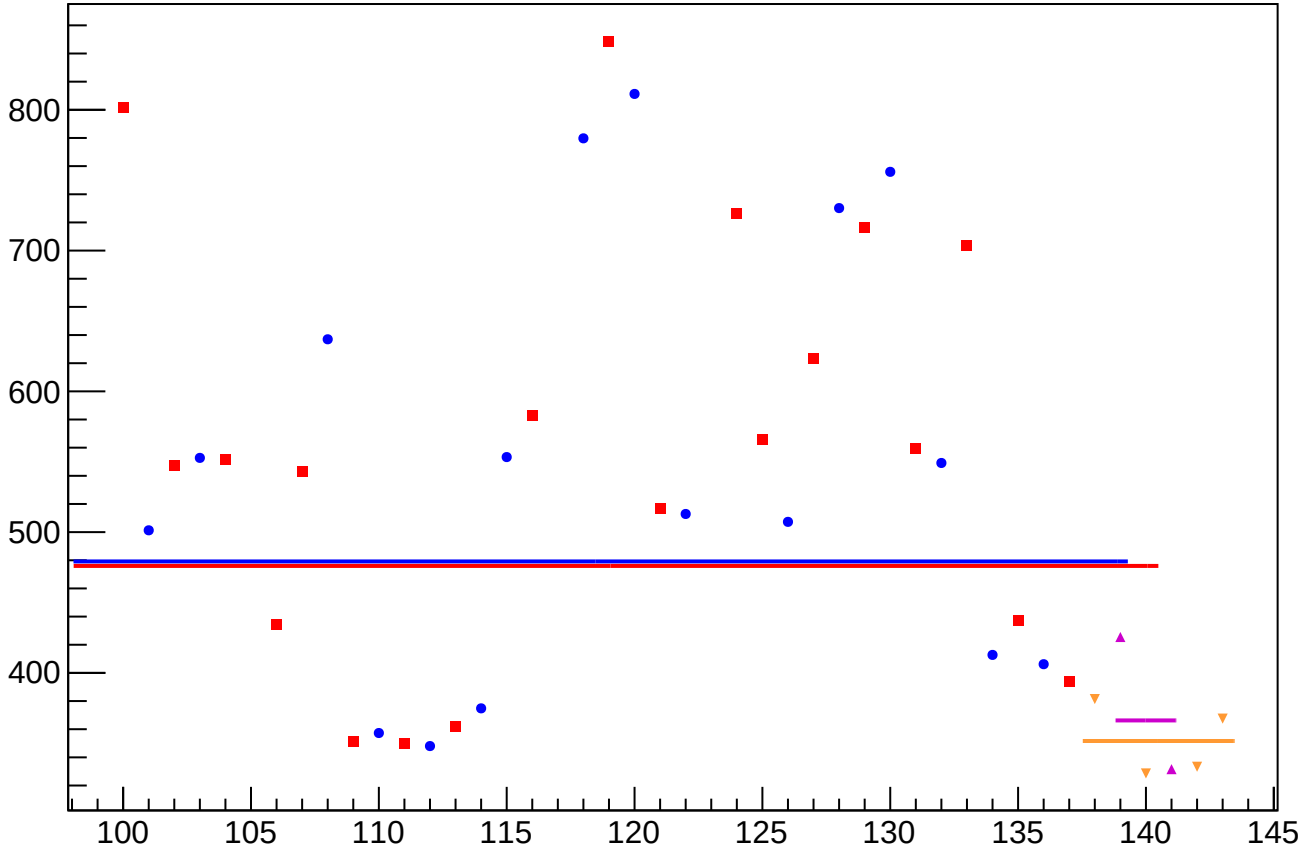
Left In: 174.866+/-281.460 χ^2/NDF:0.7/1

+ sign 200.058+/-138.679 χ^2/NDF: 33.6/19

All: 244.516+/-102.462 χ^2/NDF: 49.7/40

- sign 297.959+/-152.049 χ^2/NDF: 15.9/20

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 351.625+/-0.148 χ^2/NDF:23090.7/3

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

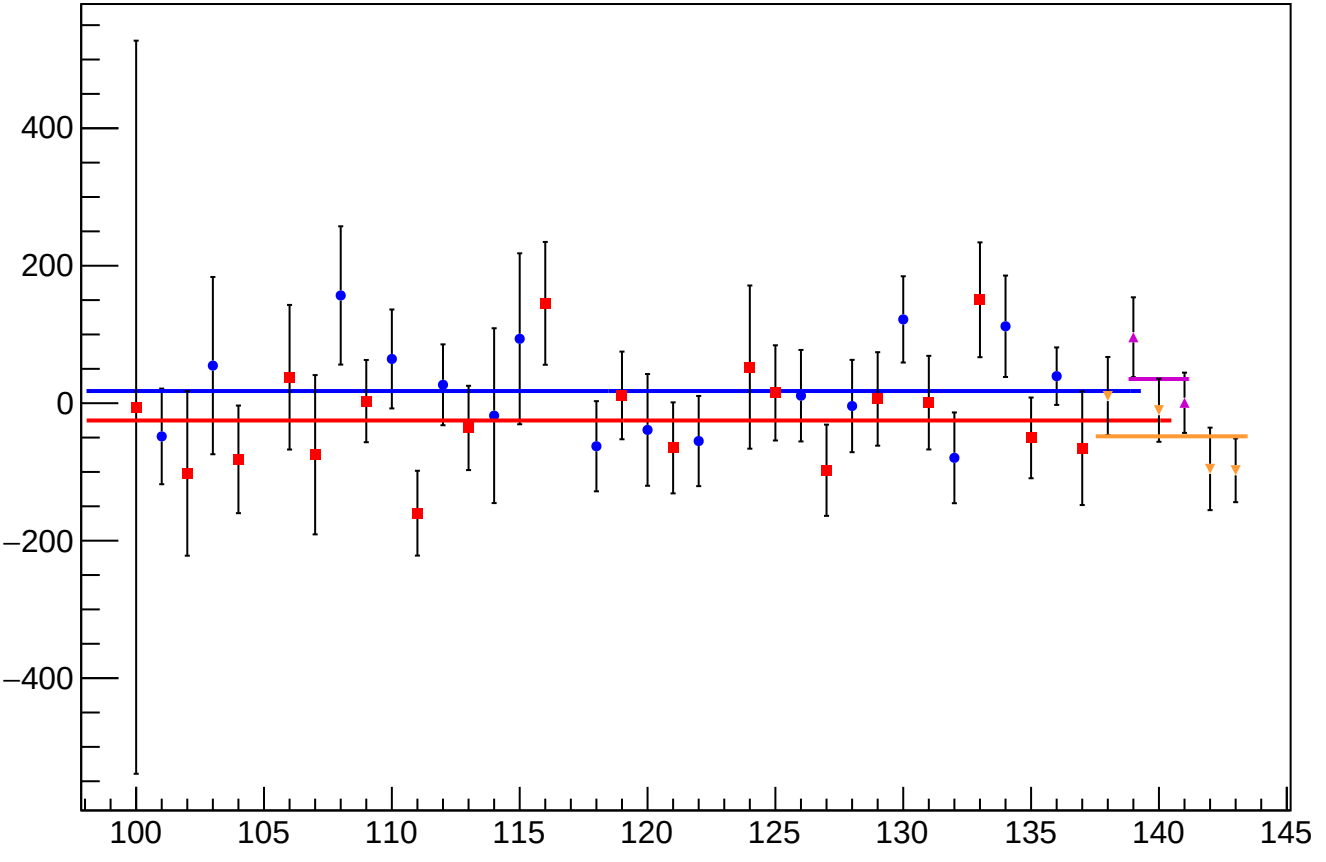
Left In: 366.239+/-0.199 χ^2/NDF:51790.7/1

+ sign 423.136+/-0.098 χ^2/NDF: 1392551.9/19

All: 432.594+/-0.072 χ^2/NDF: 2686673.5/40

- sign 443.962+/-0.108 χ^2/NDF: 1273639.2/20

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.174+/-25.604 χ^2/NDF:3.5/3

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

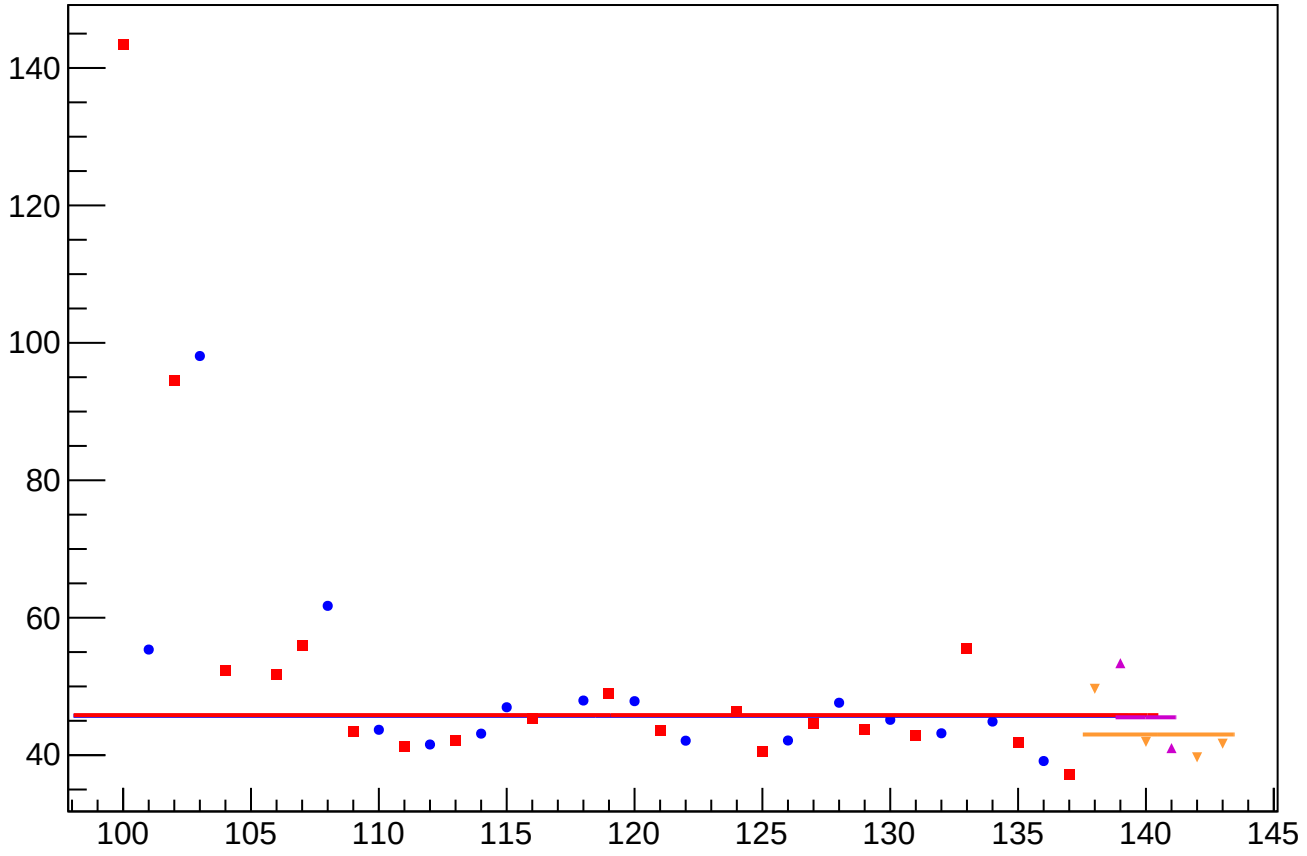
Left In: 35.196+/-34.993 χ^2/NDF:1.7/1

+ sign -3.222+/-14.431 χ^2/NDF: 22.0/19

All: -7.867+/-10.573 χ^2/NDF: 44.3/40

- sign -13.250+/-15.536 χ^2/NDF: 22.1/20

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

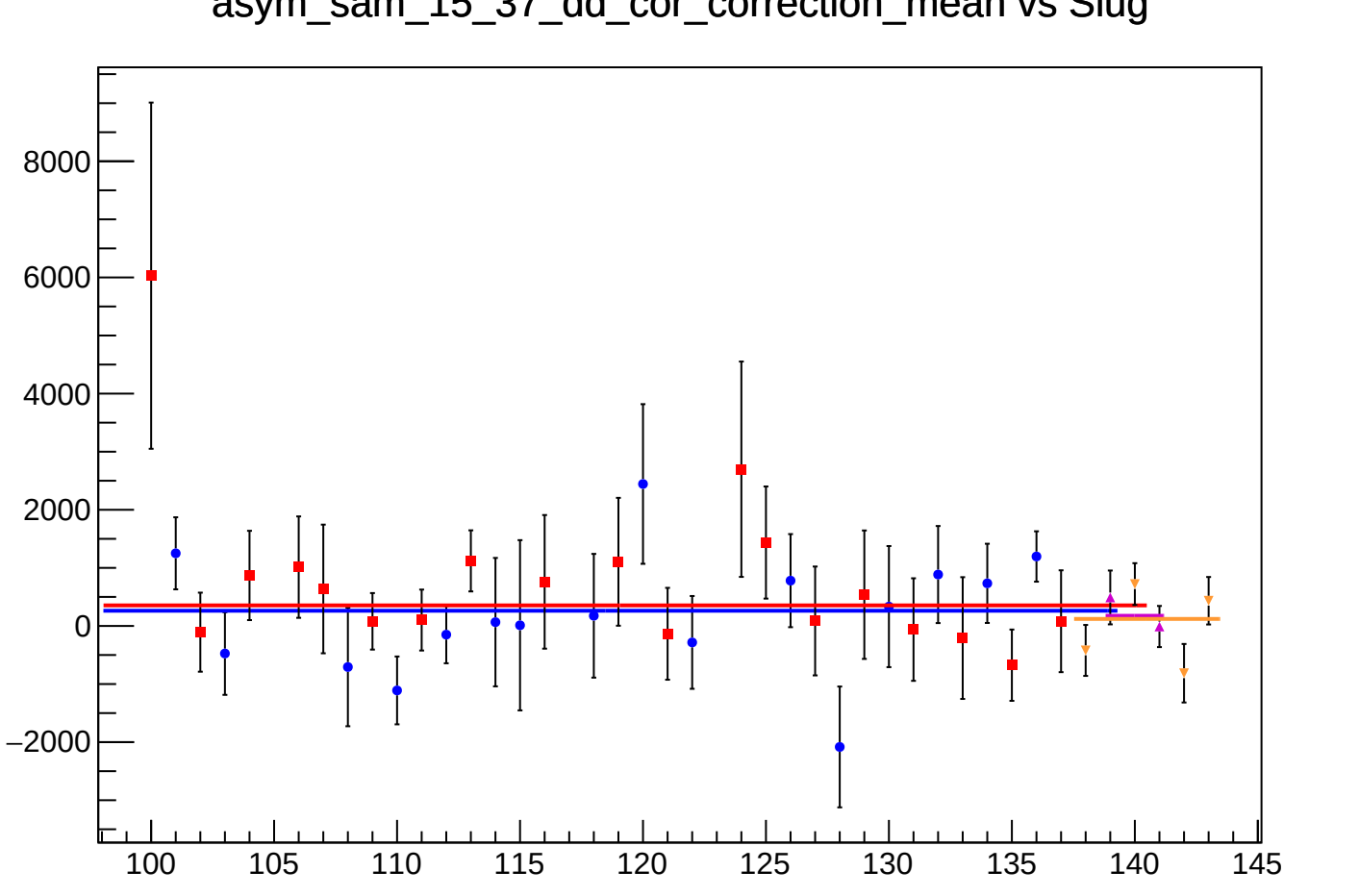
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

+ sign 44.863+/-0.010 χ^2/NDF: 553086.0/19

All: 45.280+/-0.007 χ^2/NDF: 1152920.0/40

- sign 45.763+/-0.011 χ^2/NDF: 596232.8/20



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 121.087+/-209.219 χ^2/NDF:8.3/3

Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

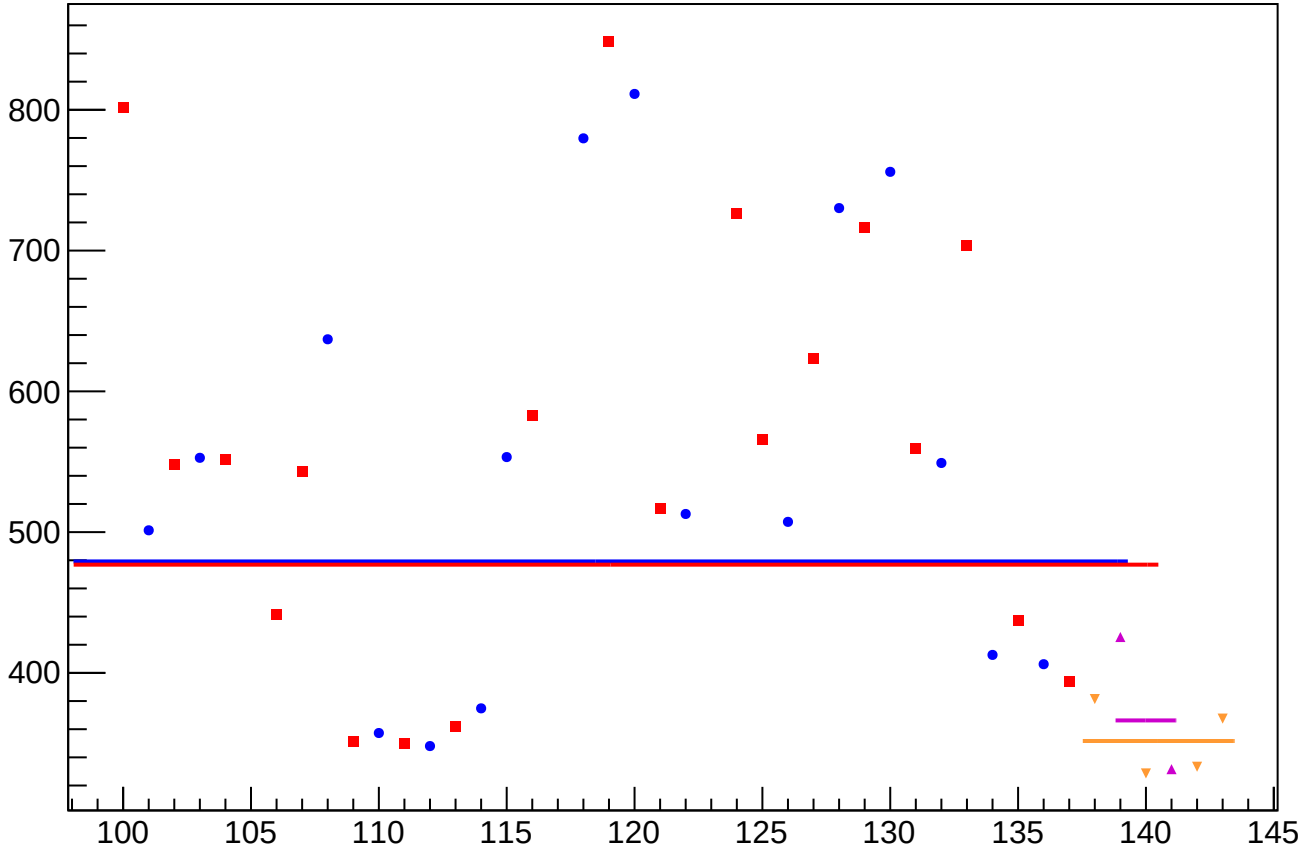
Left In: 174.864+/-281.461 χ^2/NDF:0.7/1

+ sign 200.059+/-138.679 χ^2/NDF: 33.6/19

All: 245.825+/-102.683 χ^2/NDF: 50.0/40

- sign 301.367+/-152.774 χ^2/NDF: 16.2/20

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 351.625+/-0.148 χ^2/NDF:23091.3/3

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

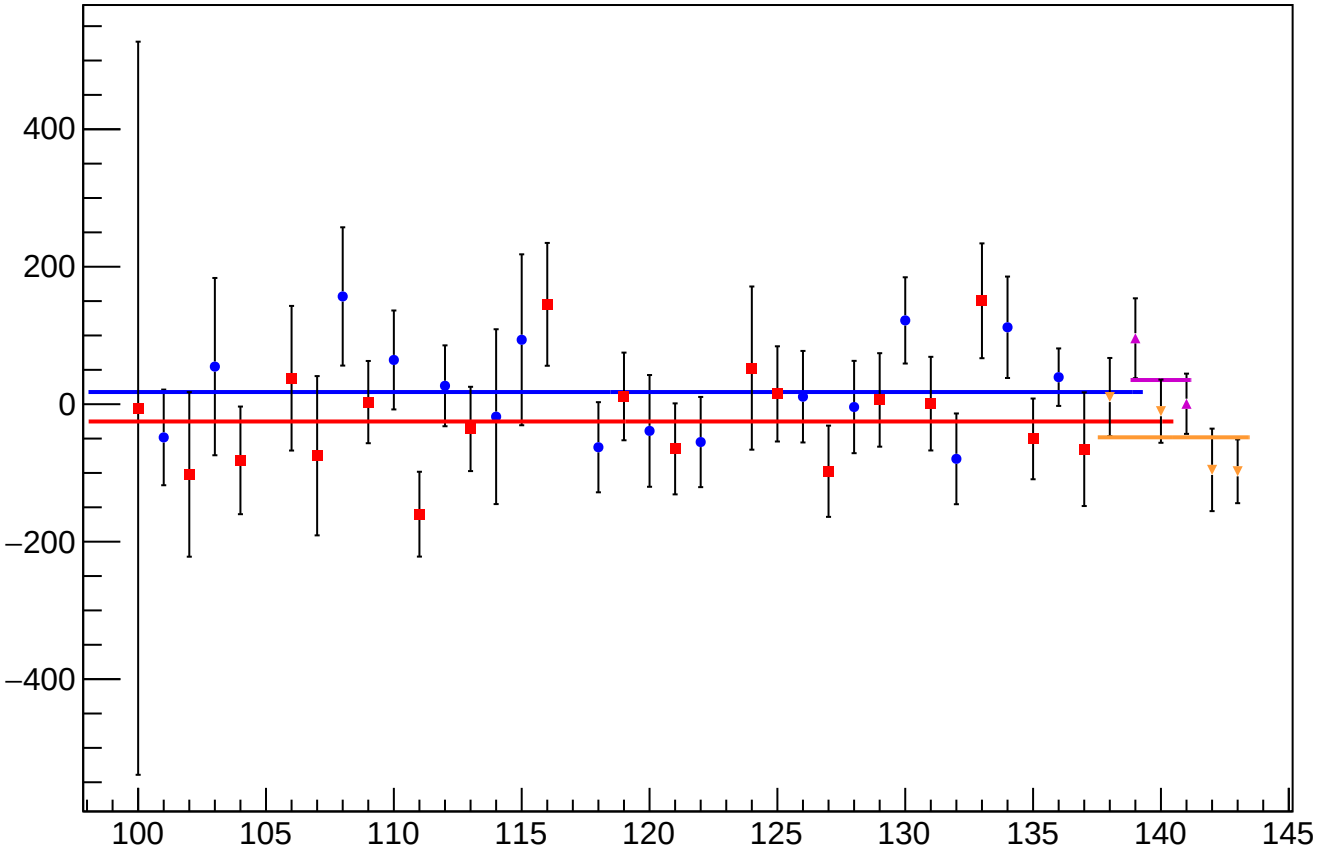
Left In: 366.239+/-0.199 χ^2/NDF:51789.7/1

+ sign 423.137+/-0.098 χ^2/NDF: 1392595.0/19

All: 432.694+/-0.073 χ^2/NDF: 2687221.6/40

- sign 444.292+/-0.108 χ^2/NDF: 1273602.3/20

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.174+/-25.604 χ^2/NDF:3.5/3

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

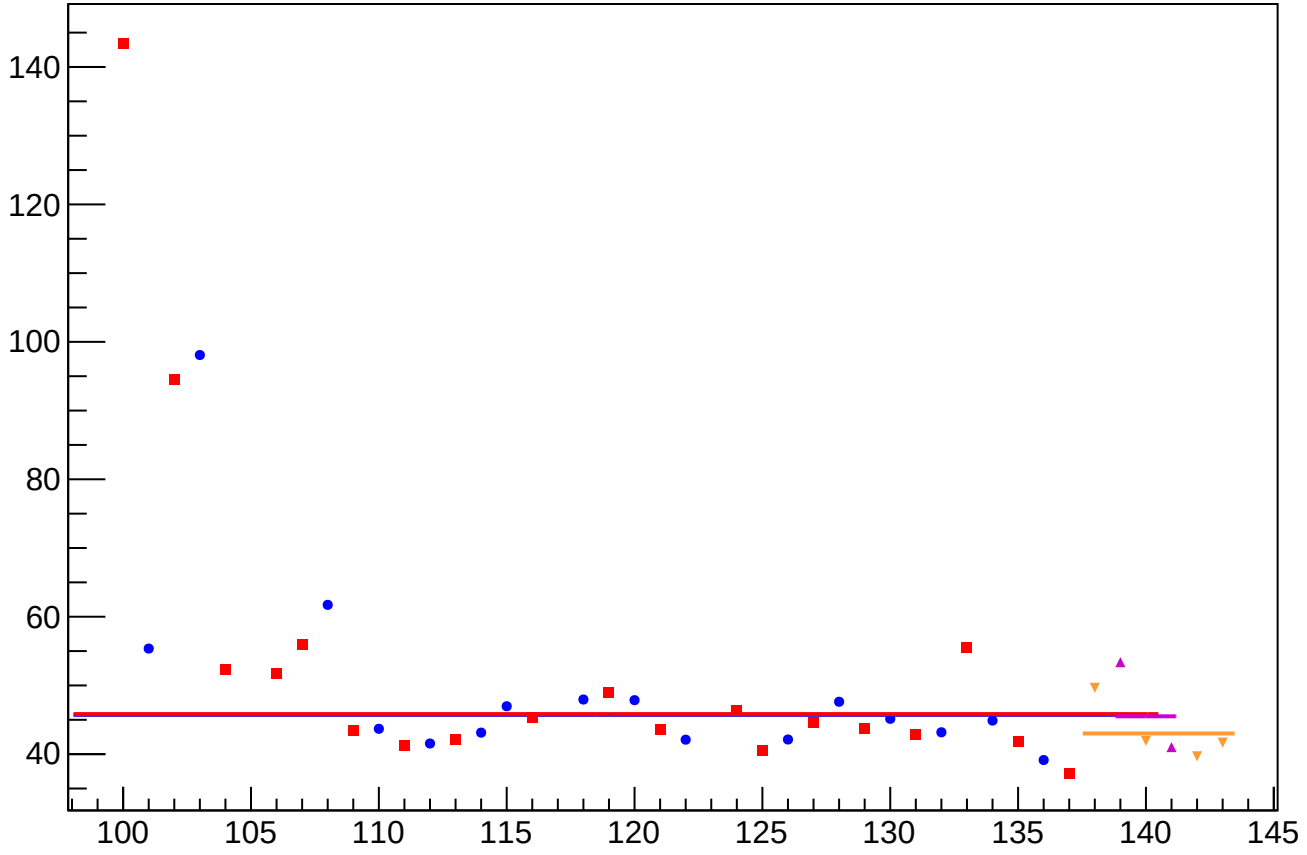
Left In: 35.196+/-34.993 χ^2/NDF:1.7/1

+ sign -3.222+/-14.431 χ^2/NDF: 22.0/19

All: -7.867+/-10.573 χ^2/NDF: 44.3/40

- sign -13.250+/-15.536 χ^2/NDF: 22.1/20

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

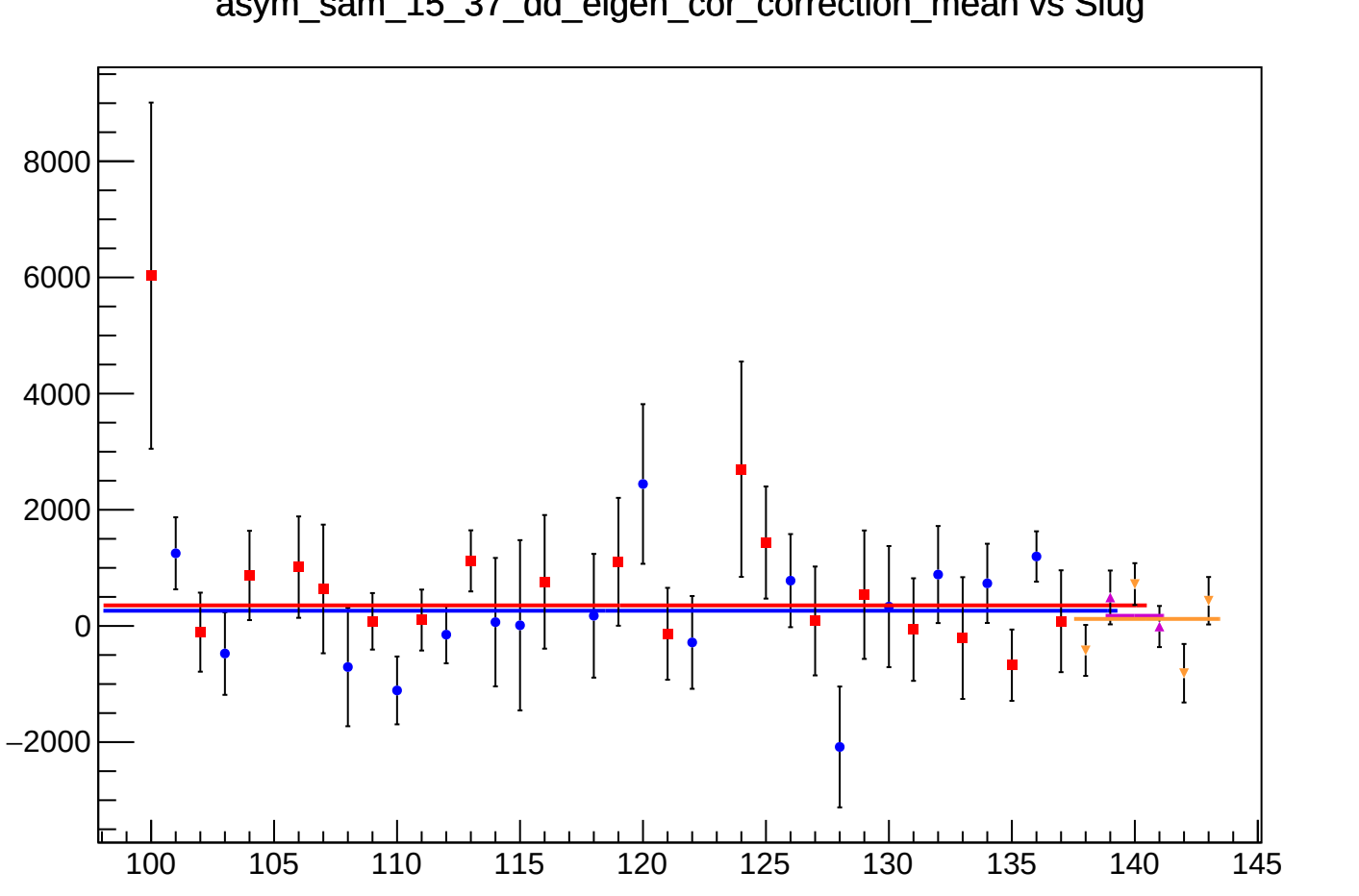
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

+ sign 44.863+/-0.010 χ^2/NDF: 553086.0/19

All: 45.280+/-0.007 χ^2/NDF: 1152920.0/40

- sign 45.763+/-0.011 χ^2/NDF: 596232.8/20



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 121.087+/-209.219 χ^2/NDF:8.3/3

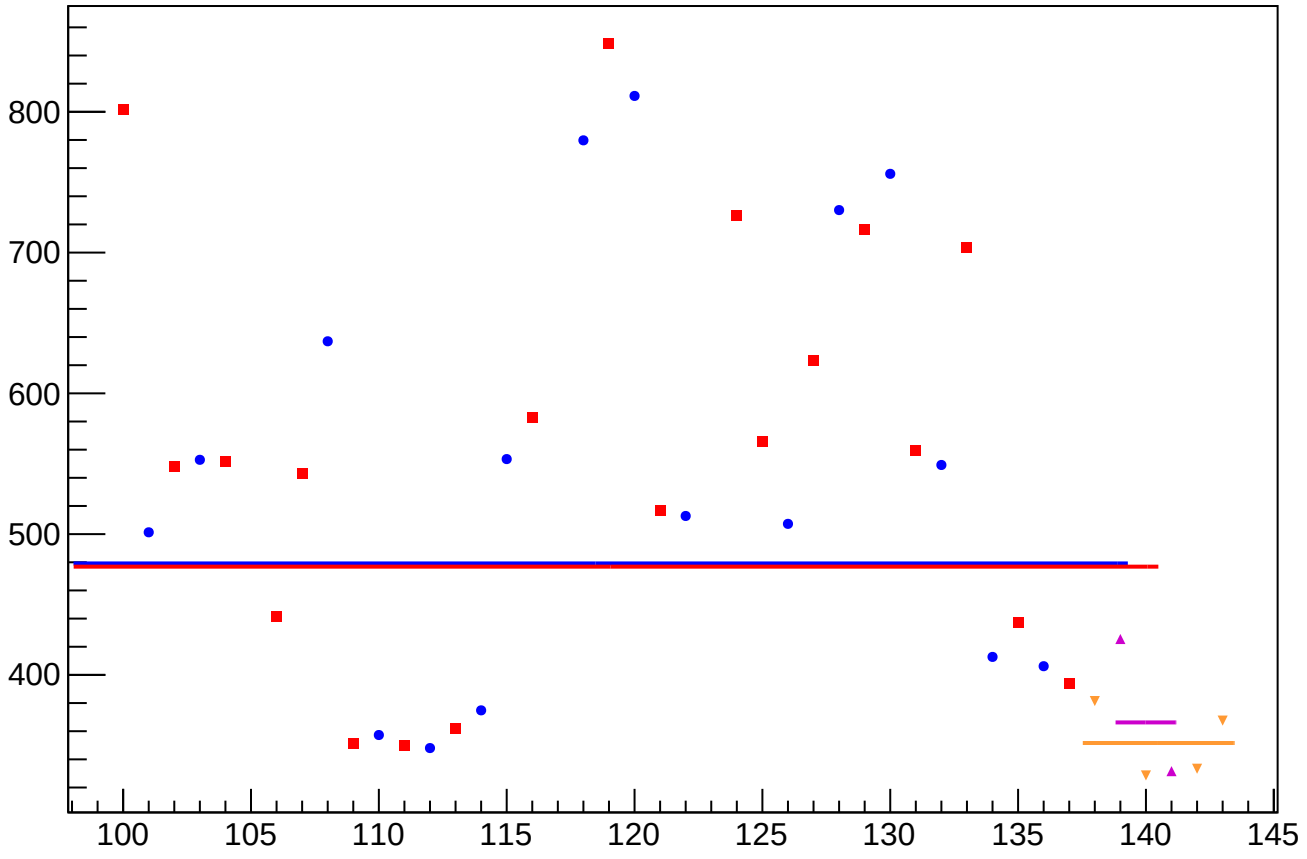
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 174.864+/-281.461 χ^2/NDF:0.7/1

+ sign 200.059+/-138.679 χ^2/NDF: 33.6/19

All: 245.825+/-102.683 χ^2/NDF: 50.0/40

- sign 301.367+/-152.774 χ^2/NDF: 16.2/20



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 351.625+/-0.148 χ^2/NDF:23091.3/3

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

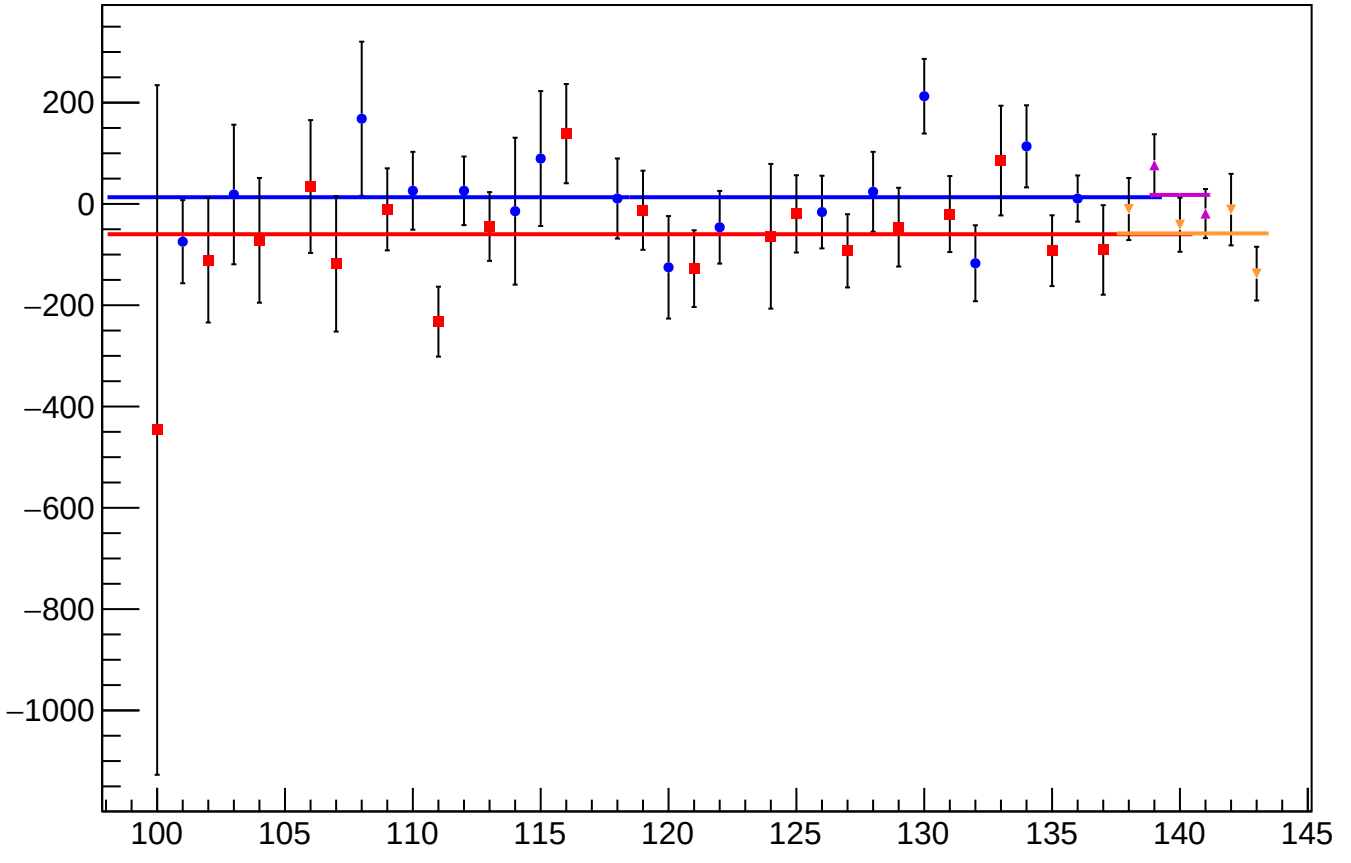
Left In: 366.239+/-0.199 χ^2/NDF:51789.7/1

+ sign 423.137+/-0.098 χ^2/NDF: 1392595.0/19

All: 432.694+/-0.073 χ^2/NDF: 2687221.6/40

- sign 444.292+/-0.108 χ^2/NDF: 1273602.3/20

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.185+/-29.191 χ^2/NDF:3.4/3

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

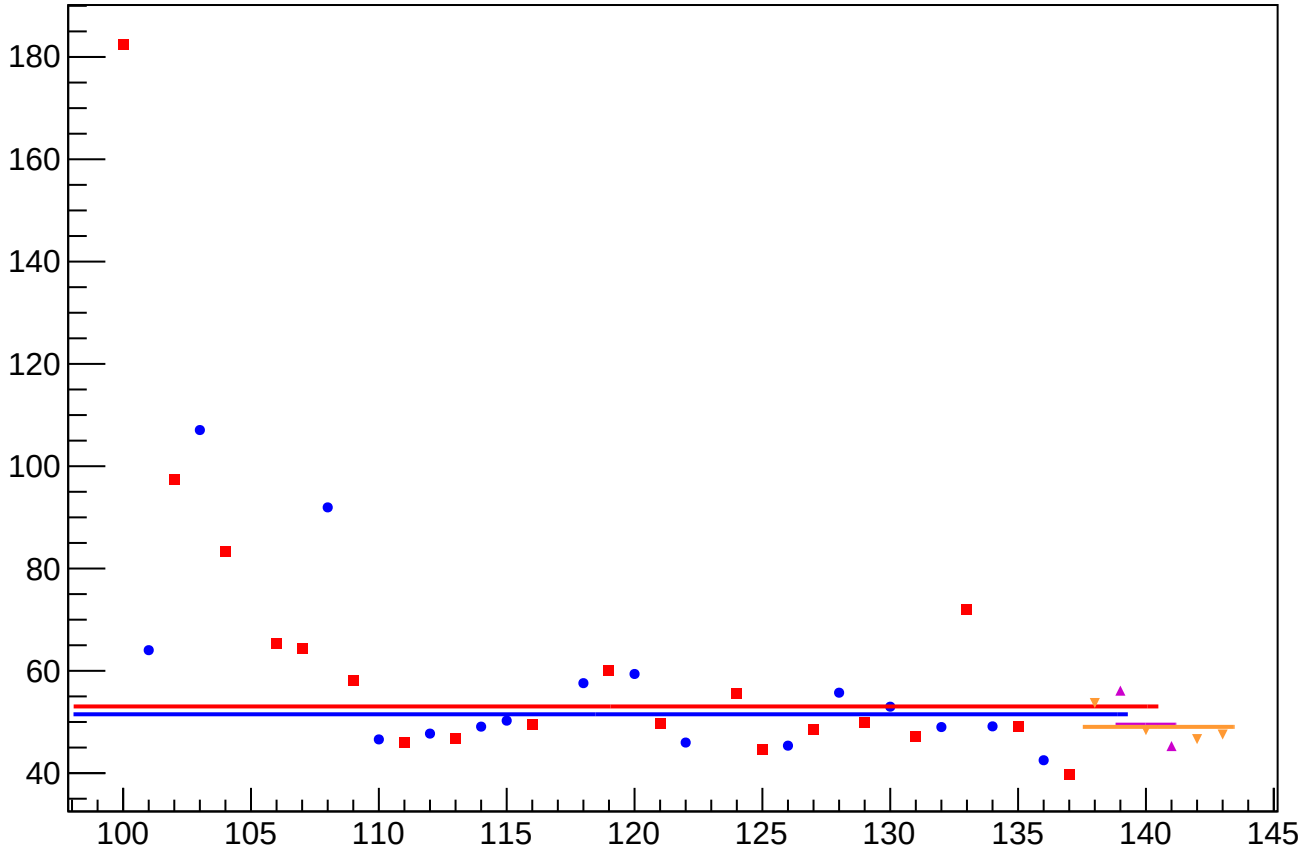
Left In: 17.818+/-37.971 χ^2/NDF:1.5/1

\+ sign -9.325+/-16.414 χ^2/NDF: 24.7/19

All: -24.583+/-12.084 χ^2/NDF: 47.5/40

\- sign -42.642+/-17.857 χ^2/NDF: 20.9/20

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 49.047+/-0.021 χ^2/NDF:15732.5/3

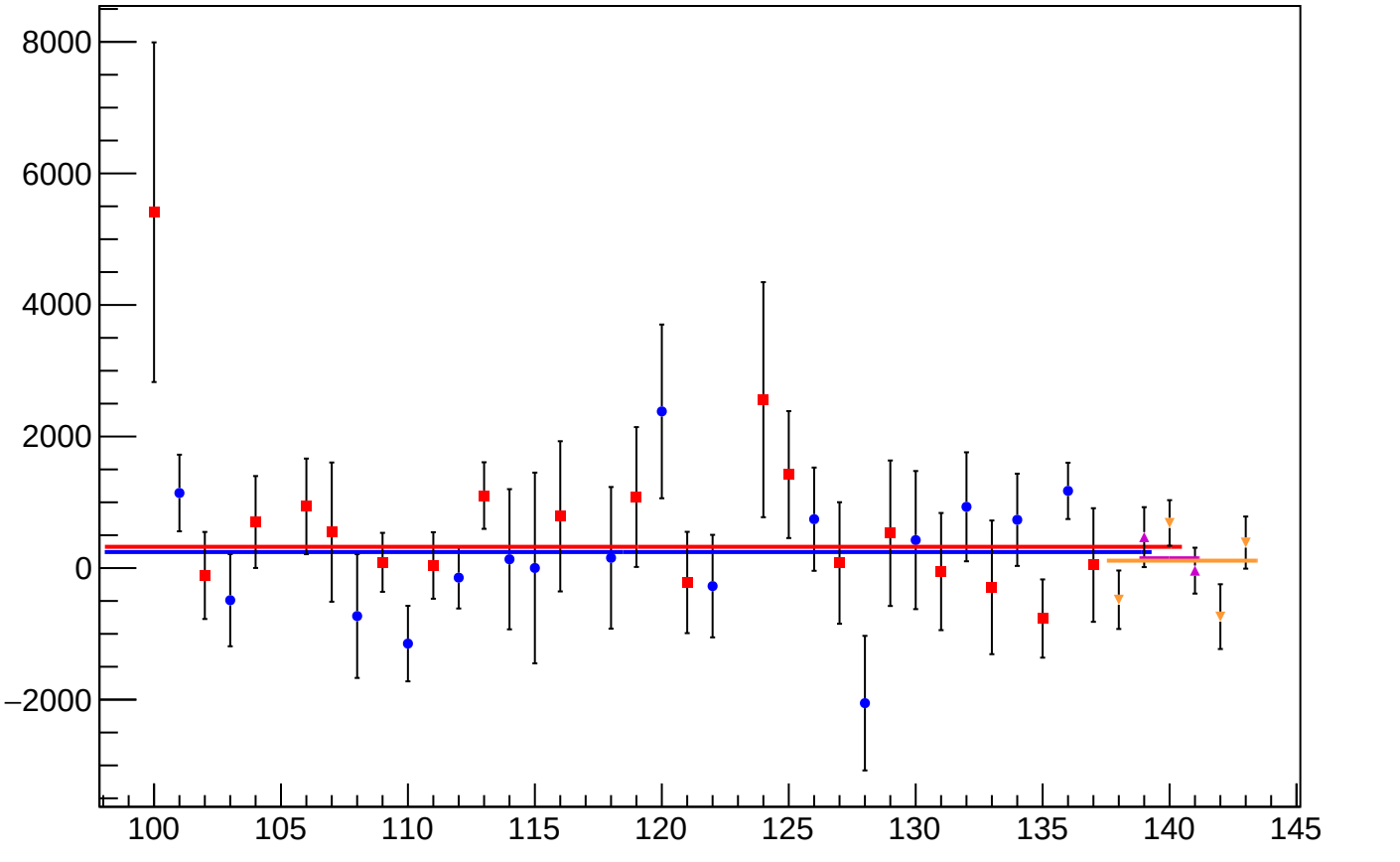
Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 49.476+/-0.027 χ^2/NDF:38585.6/1

+ sign 50.728+/-0.012 χ^2/NDF: 692495.9/19

All: 51.425+/-0.009 χ^2/NDF: 1465563.8/40

- sign 52.250+/-0.013 χ^2/NDF: 765195.9/20



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 112.932+/-204.661 χ^2/NDF:8.0/3

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

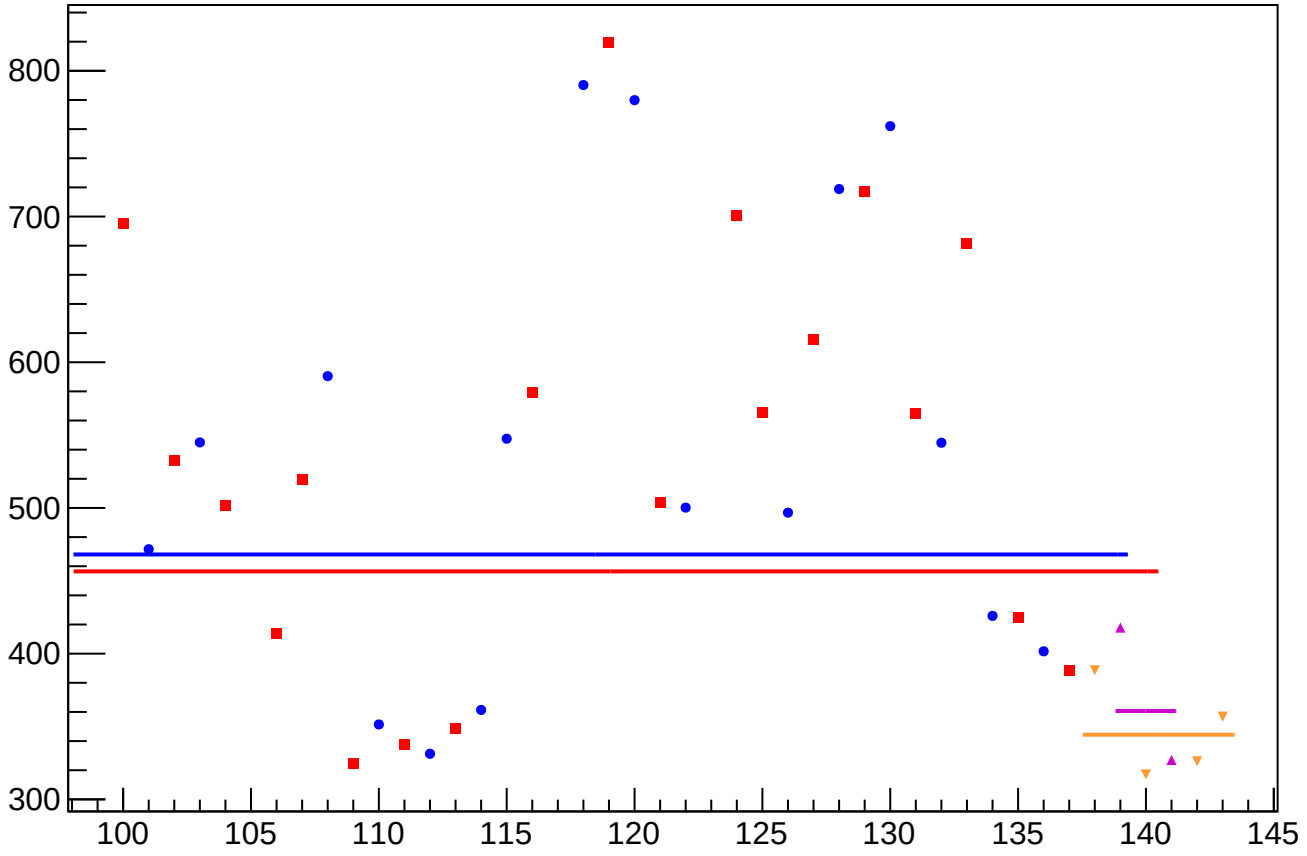
Left In: 149.228+/-277.013 χ^2/NDF:0.8/1

+ sign 186.426+/-135.530 χ^2/NDF: 33.8/19

All: 226.828+/-99.680 χ^2/NDF: 51.5/40

- sign 274.436+/-147.120 χ^2/NDF: 17.5/20

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 344.388+/-0.145 χ^2/NDF:36857.8/3

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

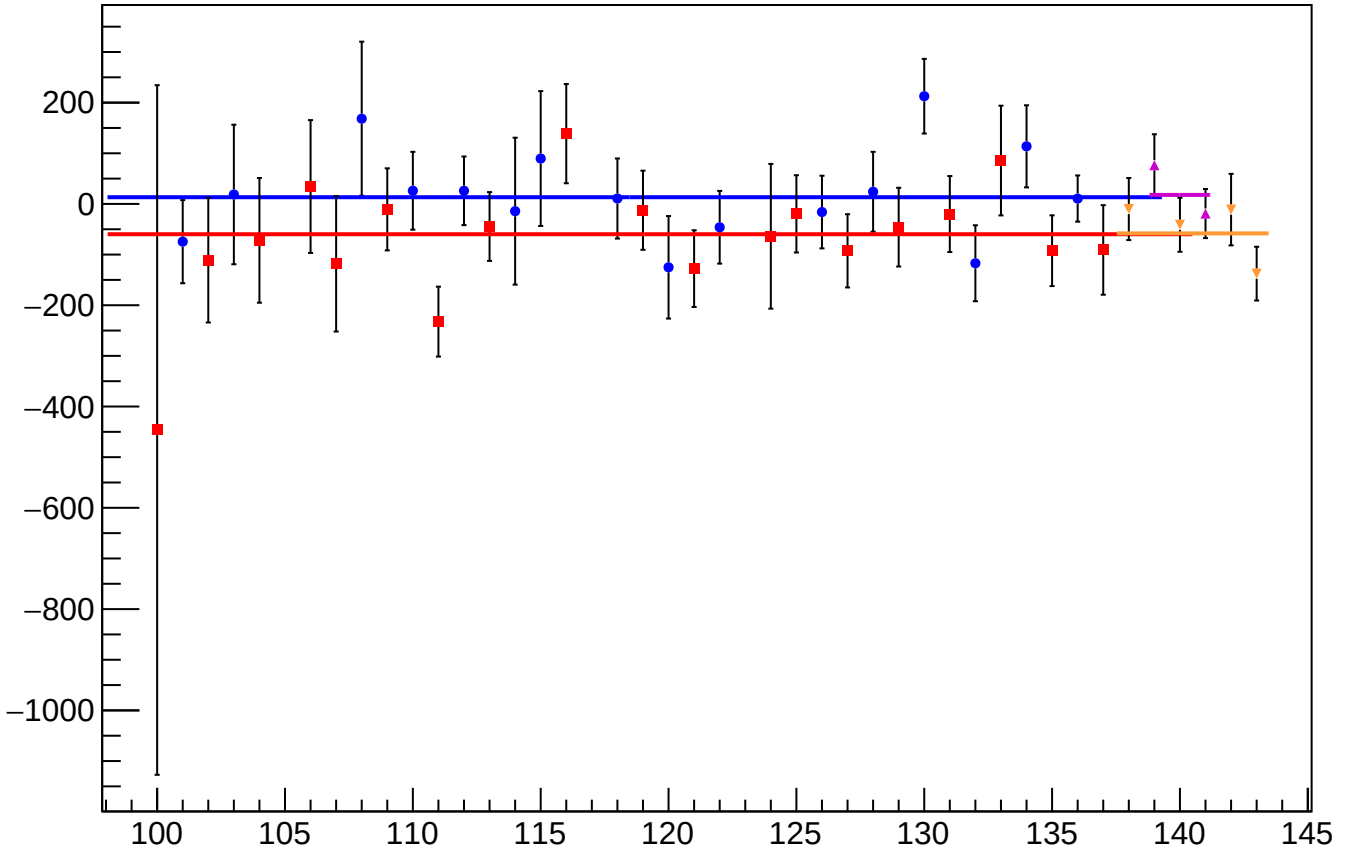
Left In: 360.616+/-0.196 χ^2/NDF:50123.2/1

+ sign 413.829+/-0.096 χ^2/NDF: 1429855.4/19

All: 420.992+/-0.070 χ^2/NDF: 2746633.9/40

- sign 429.432+/-0.104 χ^2/NDF: 1304610.7/20

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.185+/-29.191 χ^2/NDF:3.4/3

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

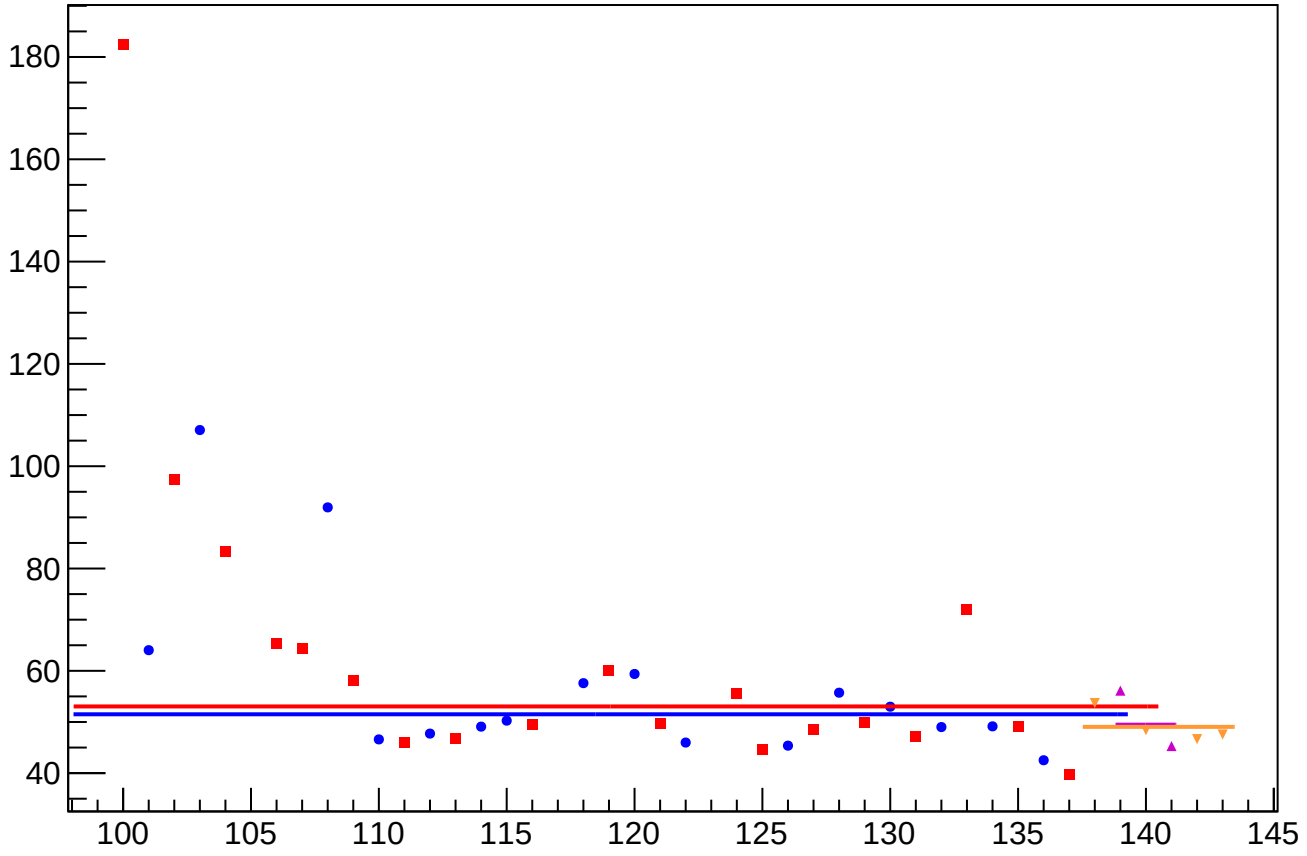
Left In: 17.819+/-37.971 χ^2/NDF:1.5/1

+ sign -9.325+/-16.414 χ^2/NDF: 24.7/19

All: -24.583+/-12.084 χ^2/NDF: 47.5/40

- sign -42.643+/-17.857 χ^2/NDF: 20.9/20

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 49.047+/-0.021 χ^2/NDF:15732.7/3

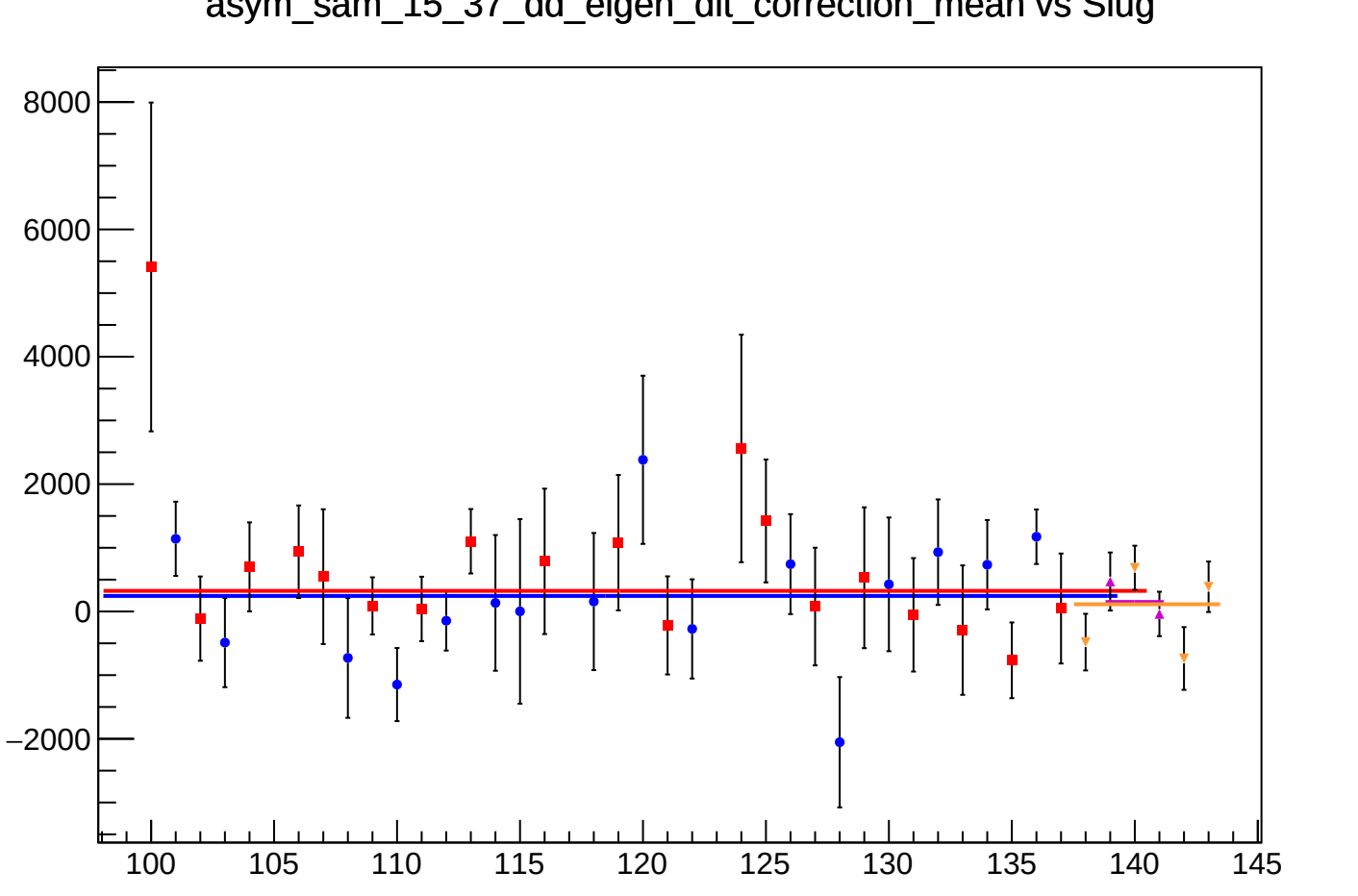
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 49.476+/-0.027 χ^2/NDF:38584.7/1

+ sign 50.728+/-0.012 χ^2/NDF: 692501.0/19

All: 51.425+/-0.009 χ^2/NDF: 1465577.7/40

- sign 52.250+/-0.013 χ^2/NDF: 765204.6/20



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 112.934+/-204.661 χ^2/NDF:8.0/3

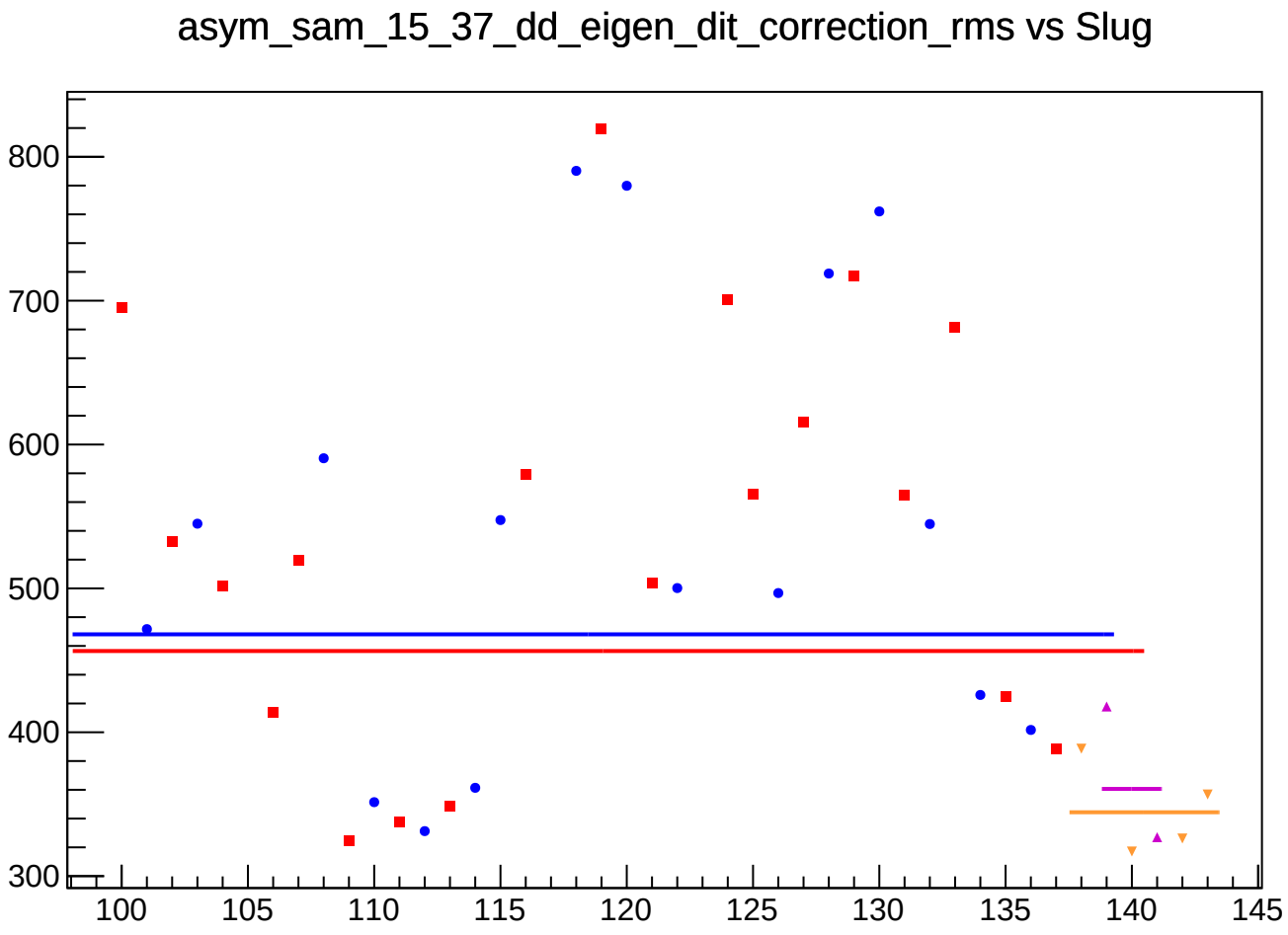
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 149.228+/-277.013 χ^2/NDF:0.8/1

+ sign 186.426+/-135.530 χ^2/NDF: 33.8/19

All: 226.828+/-99.680 χ^2/NDF: 51.5/40

- sign 274.436+/-147.120 χ^2/NDF: 17.5/20



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 344.388+/-0.145 χ^2/NDF:36857.8/3

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

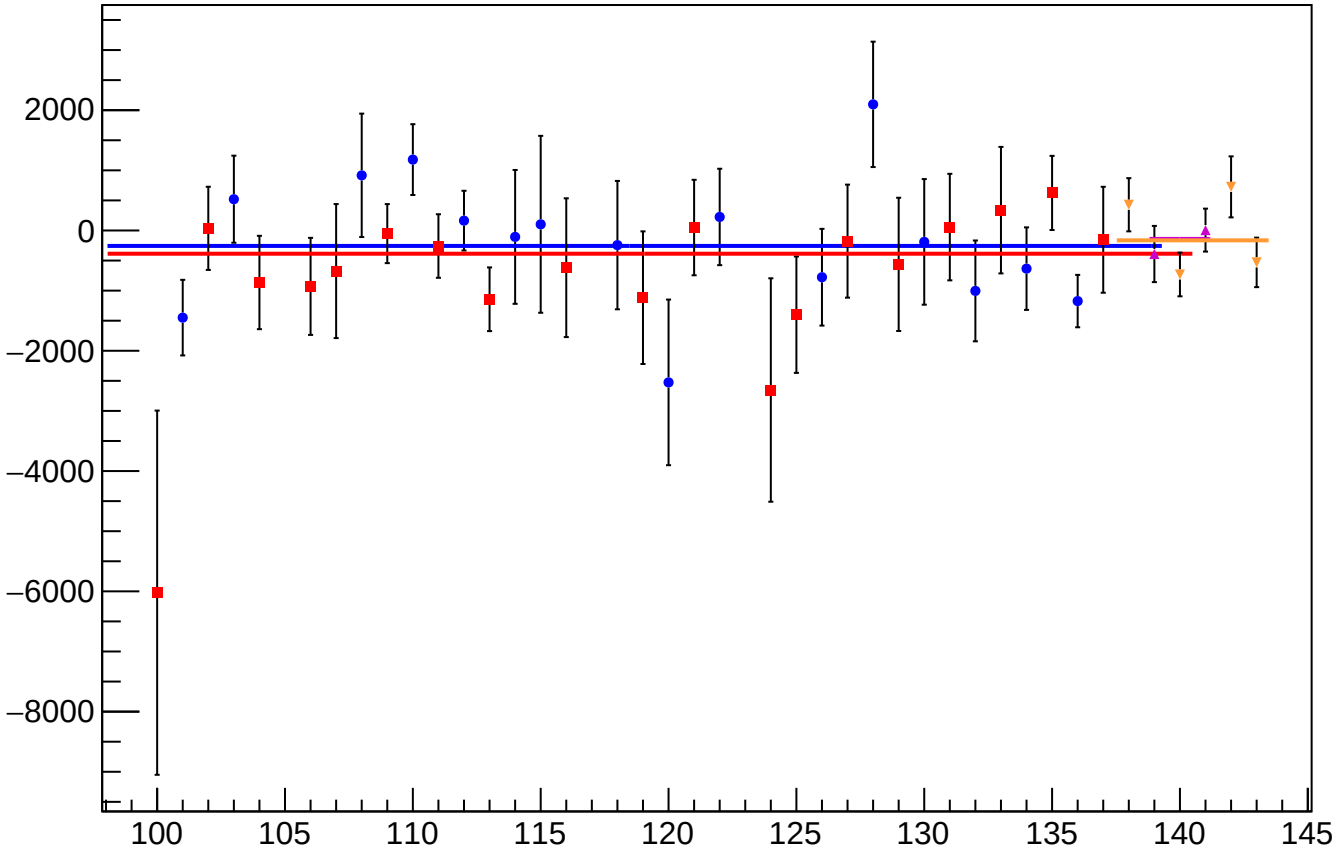
Left In: 360.616+/-0.196 χ^2/NDF:50123.2/1

+ sign 413.829+/-0.096 χ^2/NDF: 1429850.4/19

All: 420.991+/-0.070 χ^2/NDF: 2746621.2/40

- sign 429.431+/-0.104 χ^2/NDF: 1304603.0/20

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -163.808+/-210.817 χ^2/NDF:8.1/3

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

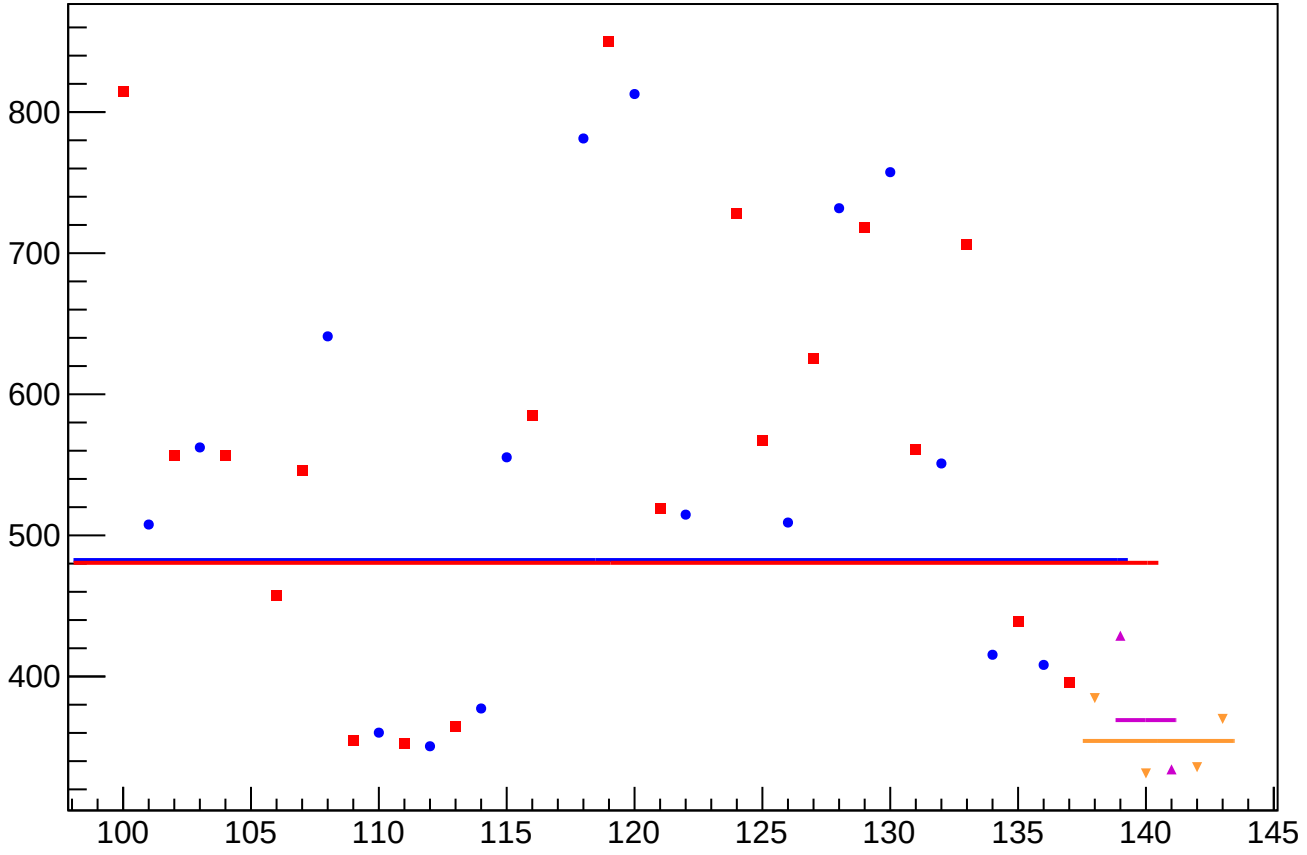
Left In: -140.289+/-283.646 χ^2/NDF:0.5/1

+ sign -215.955+/-139.669 χ^2/NDF: 35.1/19

All: -260.602+/-103.273 χ^2/NDF: 50.6/40

- sign -314.456+/-153.395 χ^2/NDF: 15.2/20

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 354.324+/-0.149 χ^2/NDF:23044.8/3

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

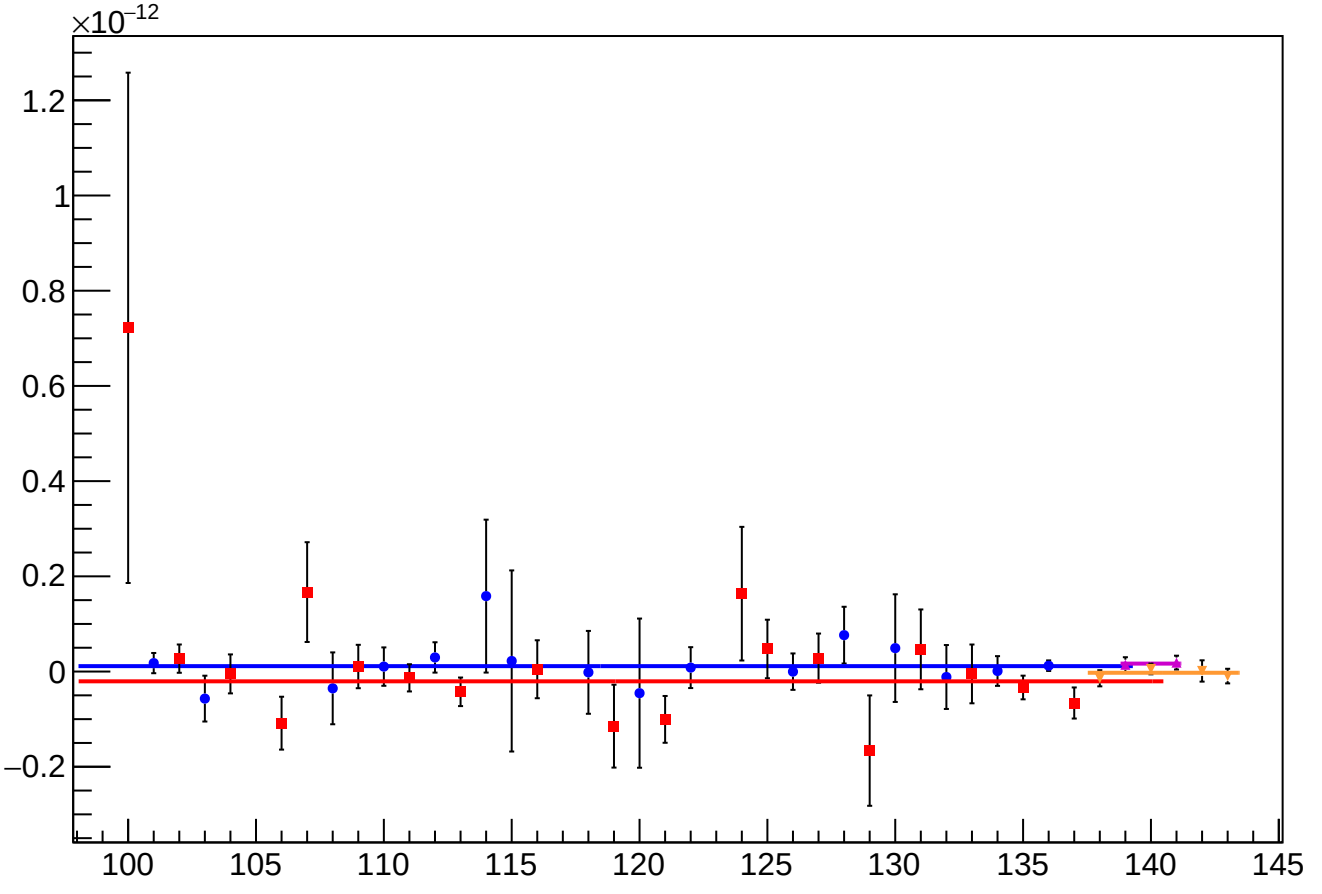
Left In: 369.086+/-0.201 χ^2/NDF:51888.9/1

+ sign 426.247+/-0.099 χ^2/NDF: 1384466.0/19

All: 436.088+/-0.073 χ^2/NDF: 2670611.1/40

- sign 447.958+/-0.108 χ^2/NDF: 1264241.4/20

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:1.2/3

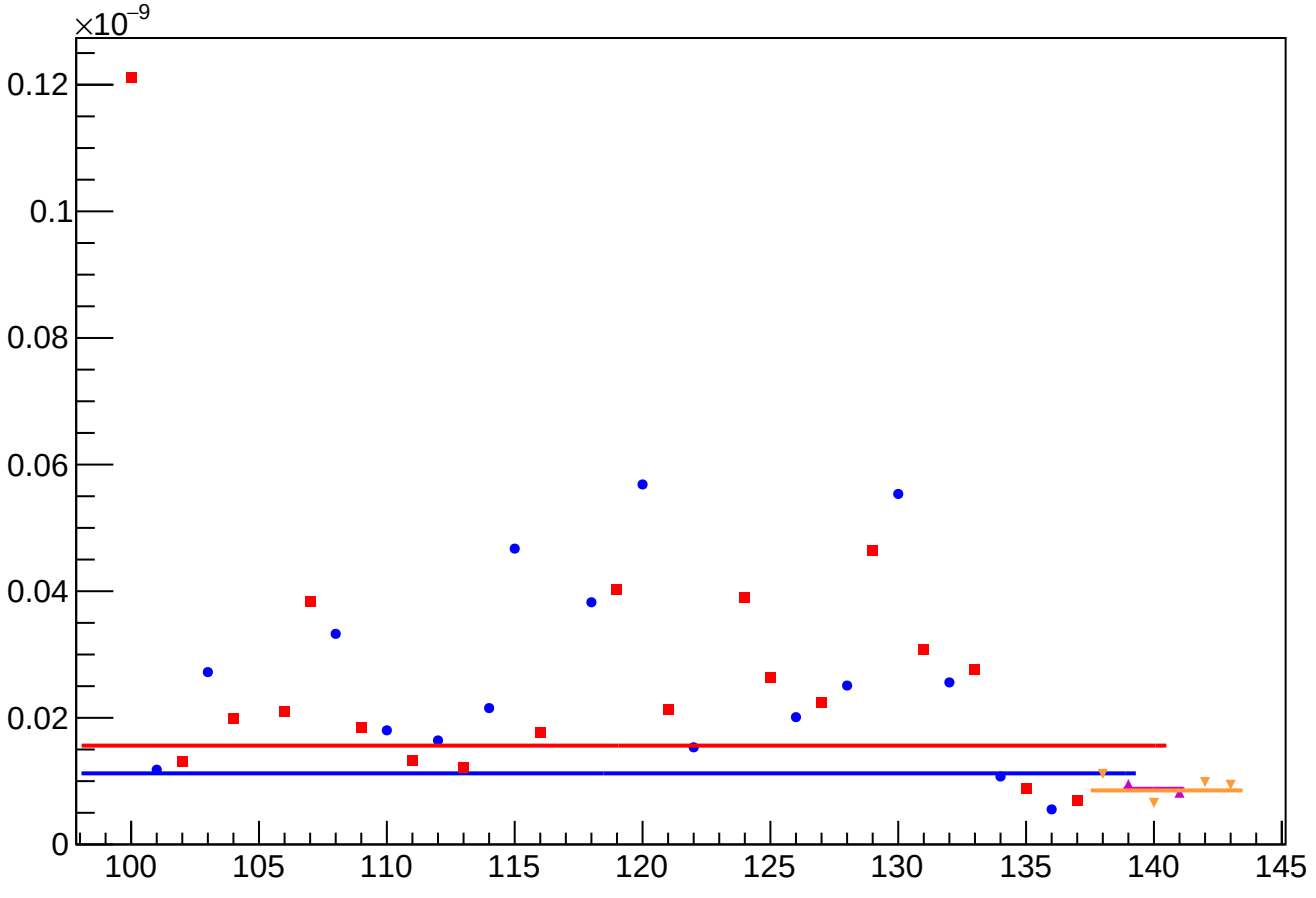
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 8.2/19

All: 0.000+/-0.000 χ^2/NDF: 38.8/40

- sign -0.000+/-0.000 χ^2/NDF: 30.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:121906.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

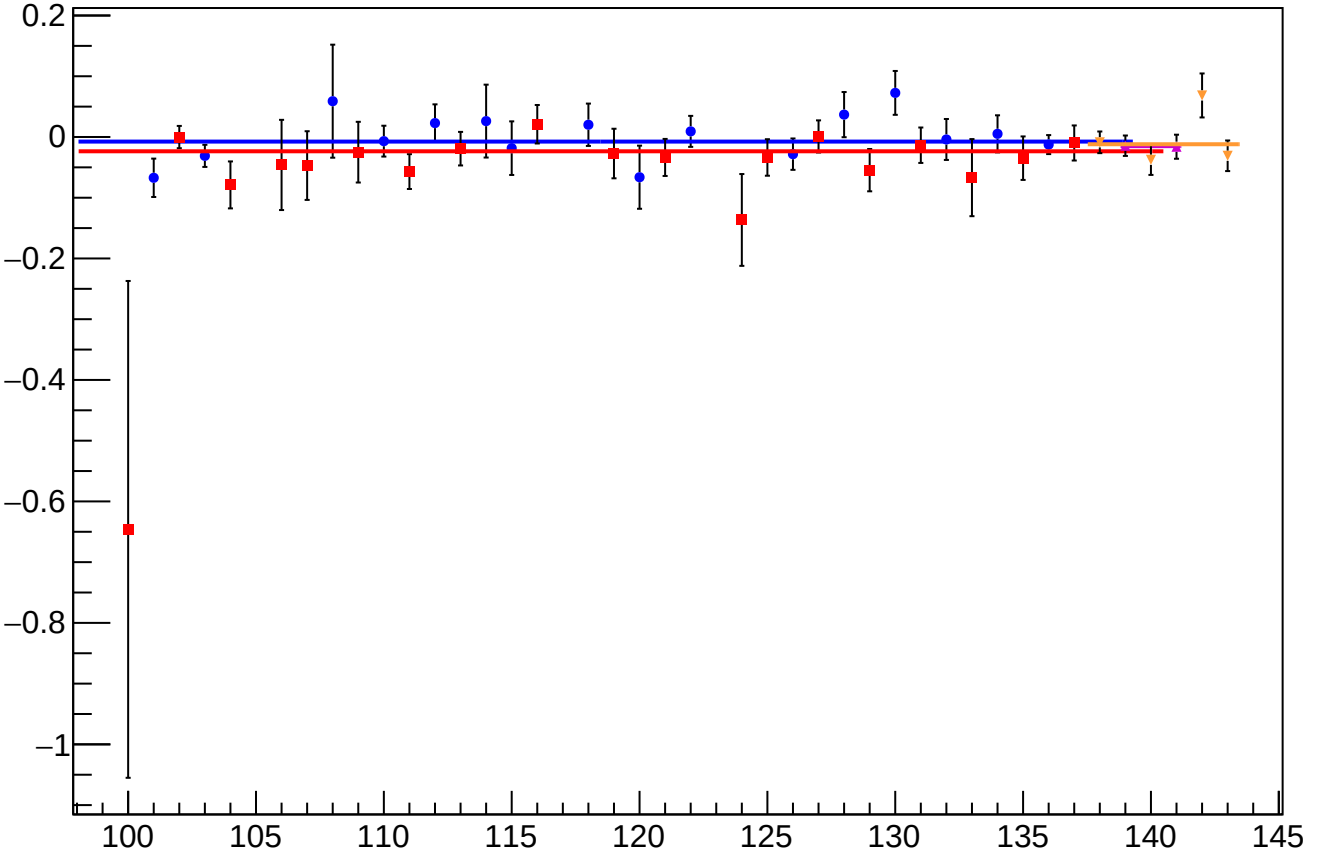
Left In: 0.000+/-0.000 χ^2/NDF:7942.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 2345505.9/19

All: 0.000+/-0.000 χ^2/NDF: 4112356.9/40

- sign 0.000+/-0.000 χ^2/NDF: 1613748.0/20

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.012 χ^2/NDF:6.6/3

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

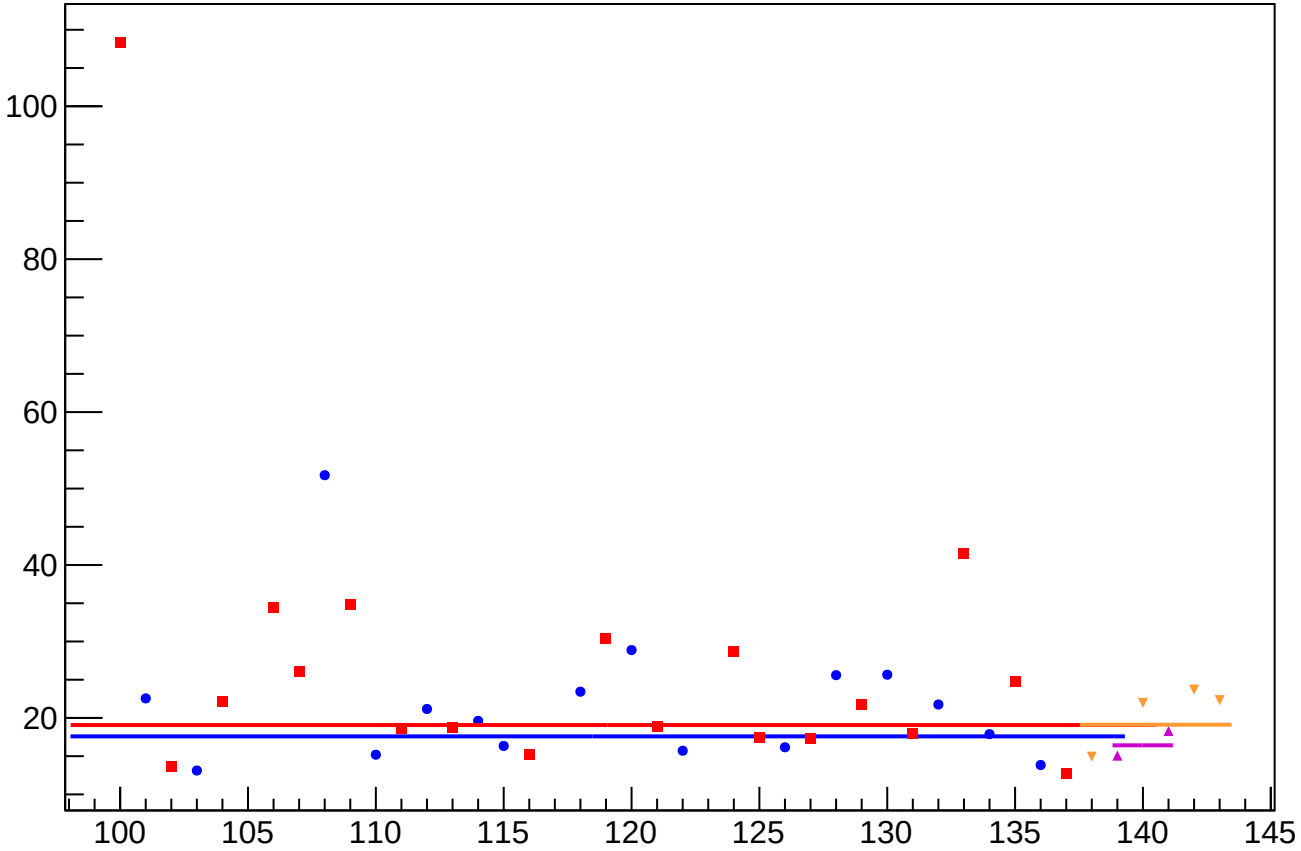
Left In: -0.015+/-0.013 χ^2/NDF:0.0/1

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/19

All: -0.015+/-0.005 χ^2/NDF: 40.3/40

- sign -0.021+/-0.007 χ^2/NDF: 15.0/20

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: 19.115+/-0.008 χ^2/NDF:200686.4/3

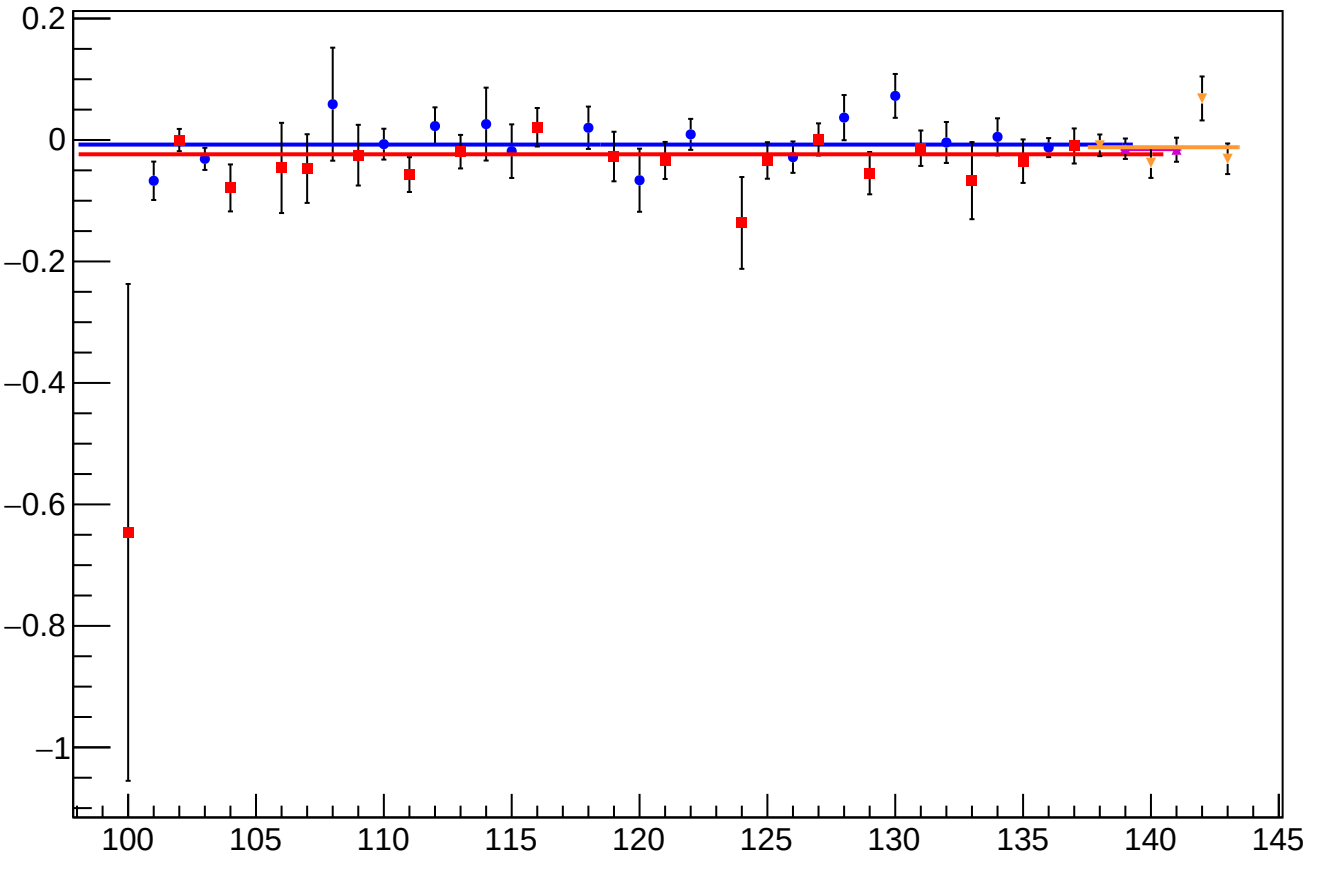
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.9/1

+ sign 18.001+/-0.004 χ^2/NDF: 1218036.2/19

All: 18.168+/-0.003 χ^2/NDF: 2562709.1/40

- sign 18.362+/-0.005 χ^2/NDF: 1341488.0/20



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.012 χ^2/NDF:6.6/3

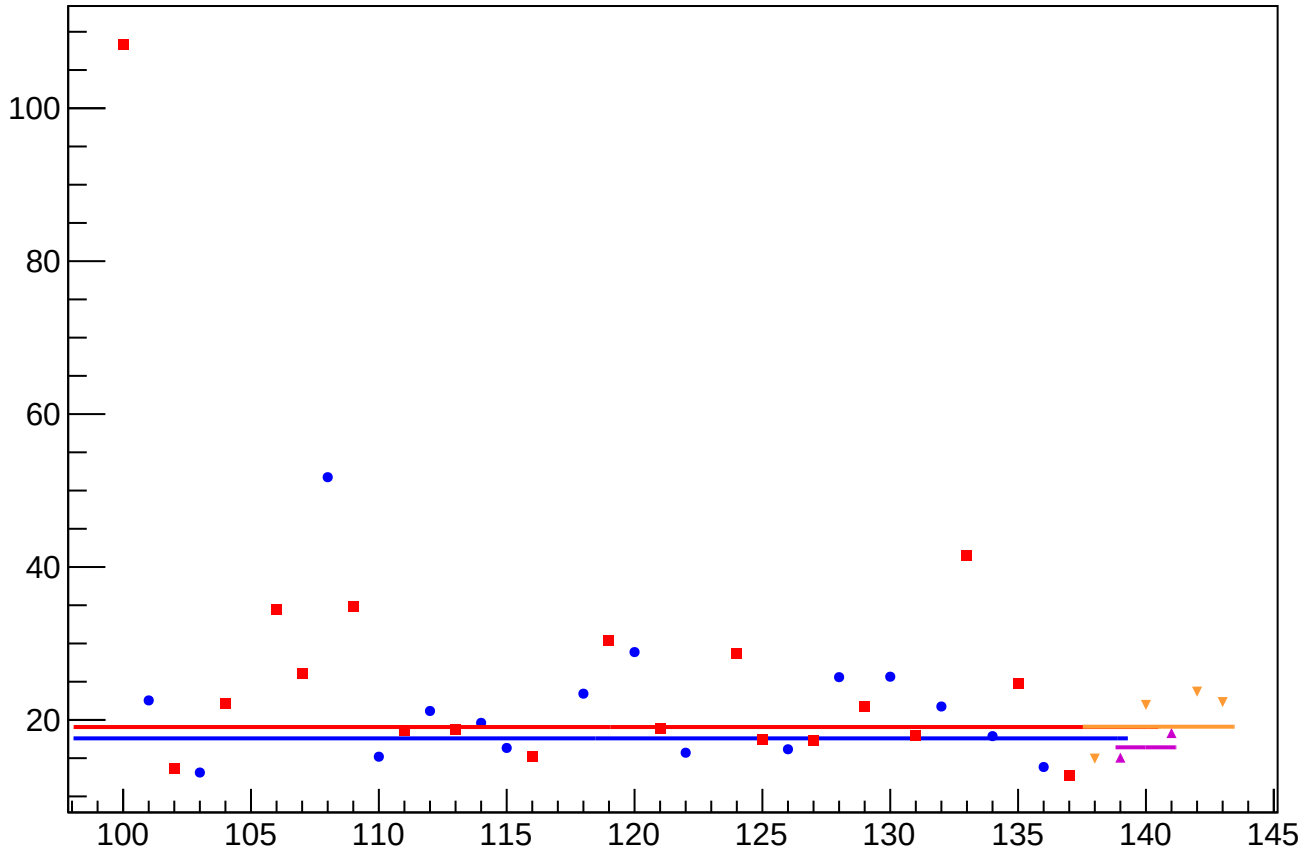
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.015+/-0.013 χ^2/NDF:0.0/1

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/19

All: -0.015+/-0.005 χ^2/NDF: 40.3/40

- sign -0.021+/-0.007 χ^2/NDF: 15.0/20



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.115+/-0.008 χ^2/NDF:200686.4/3

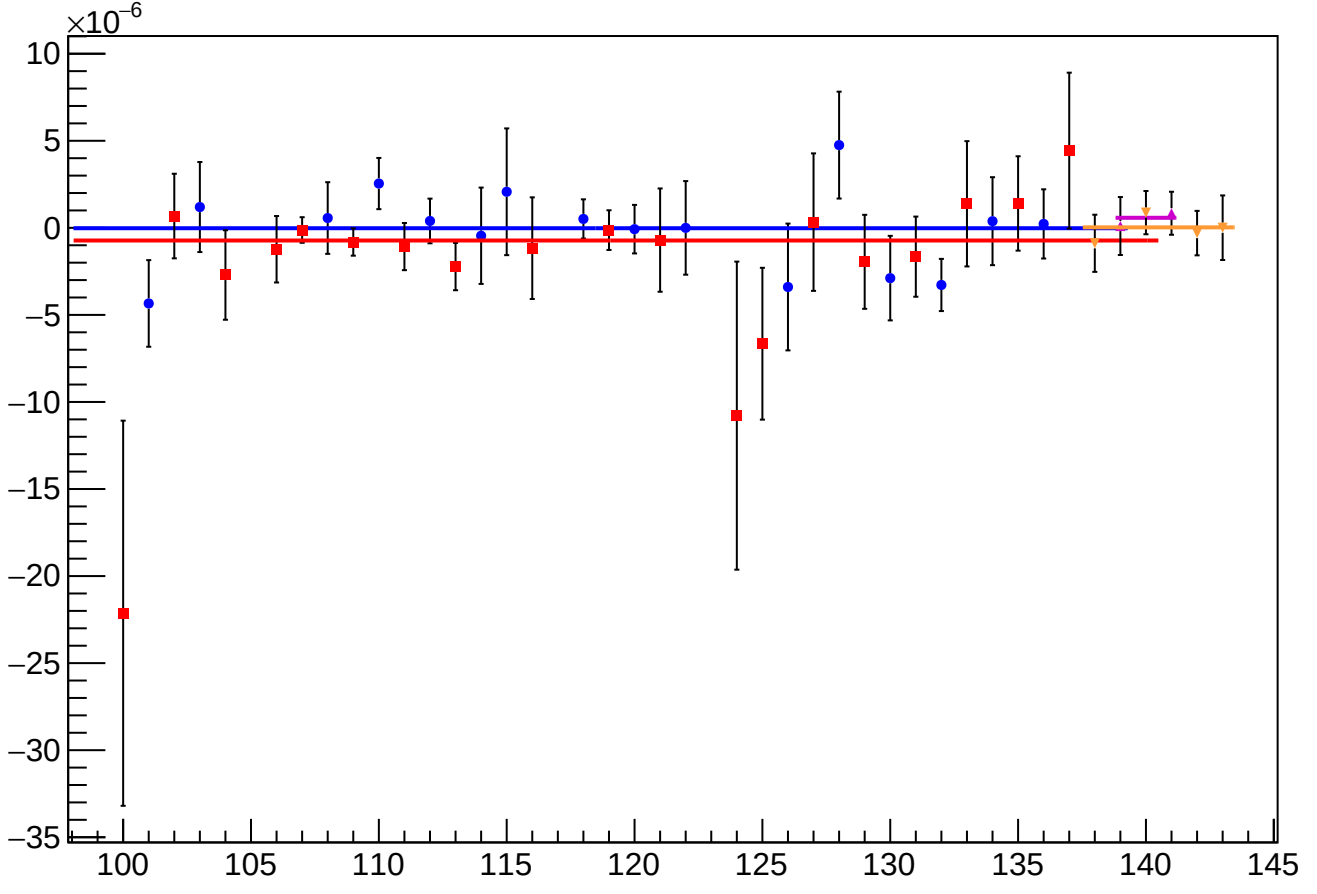
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.9/1

+ sign 18.001+/-0.004 χ^2/NDF: 1218036.2/19

All: 18.168+/-0.003 χ^2/NDF: 2562709.1/40

- sign 18.362+/-0.005 χ^2/NDF: 1341488.0/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/3

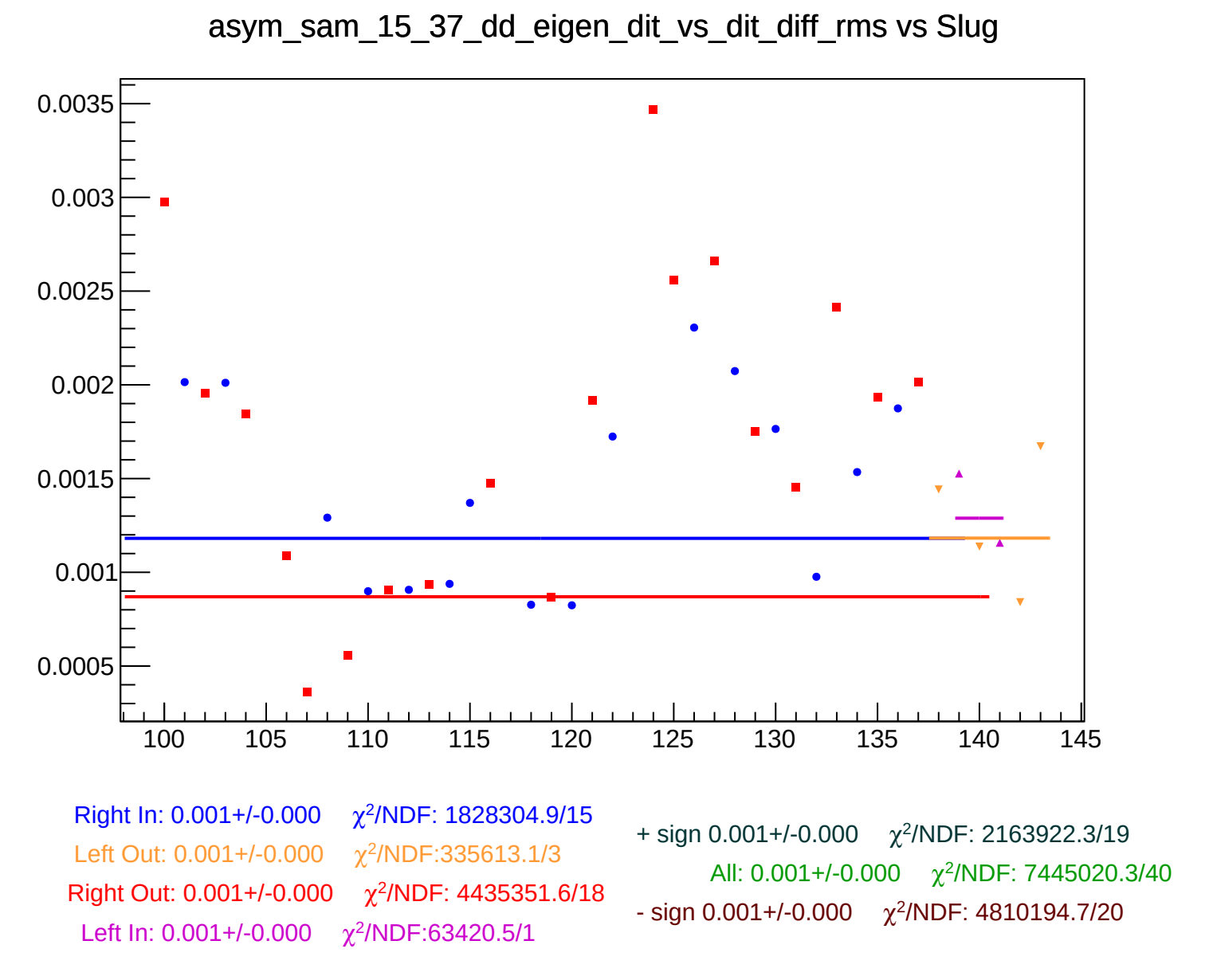
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

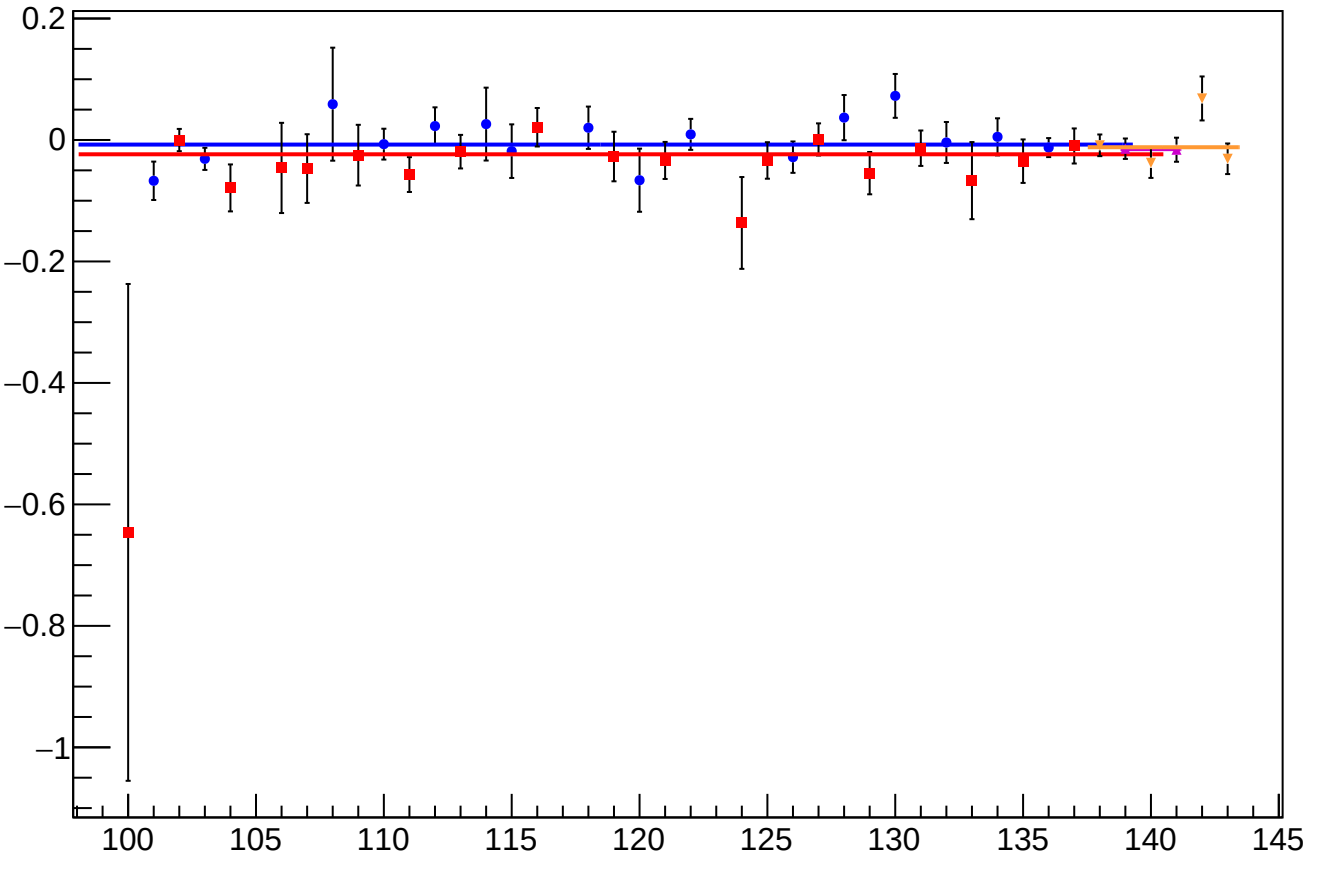
Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 17.3/19

All: -0.000+/-0.000 χ^2/NDF: 32.9/40

- sign -0.000+/-0.000 χ^2/NDF: 14.5/20


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:335613.1/3
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:63420.5/1
+ sign 0.001+/-0.000 χ²/NDF: 2163922.3/19
All: 0.001+/-0.000 χ²/NDF: 7445020.3/40
- sign 0.001+/-0.000 χ²/NDF: 4810194.7/20



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.012 χ^2/NDF:6.6/3

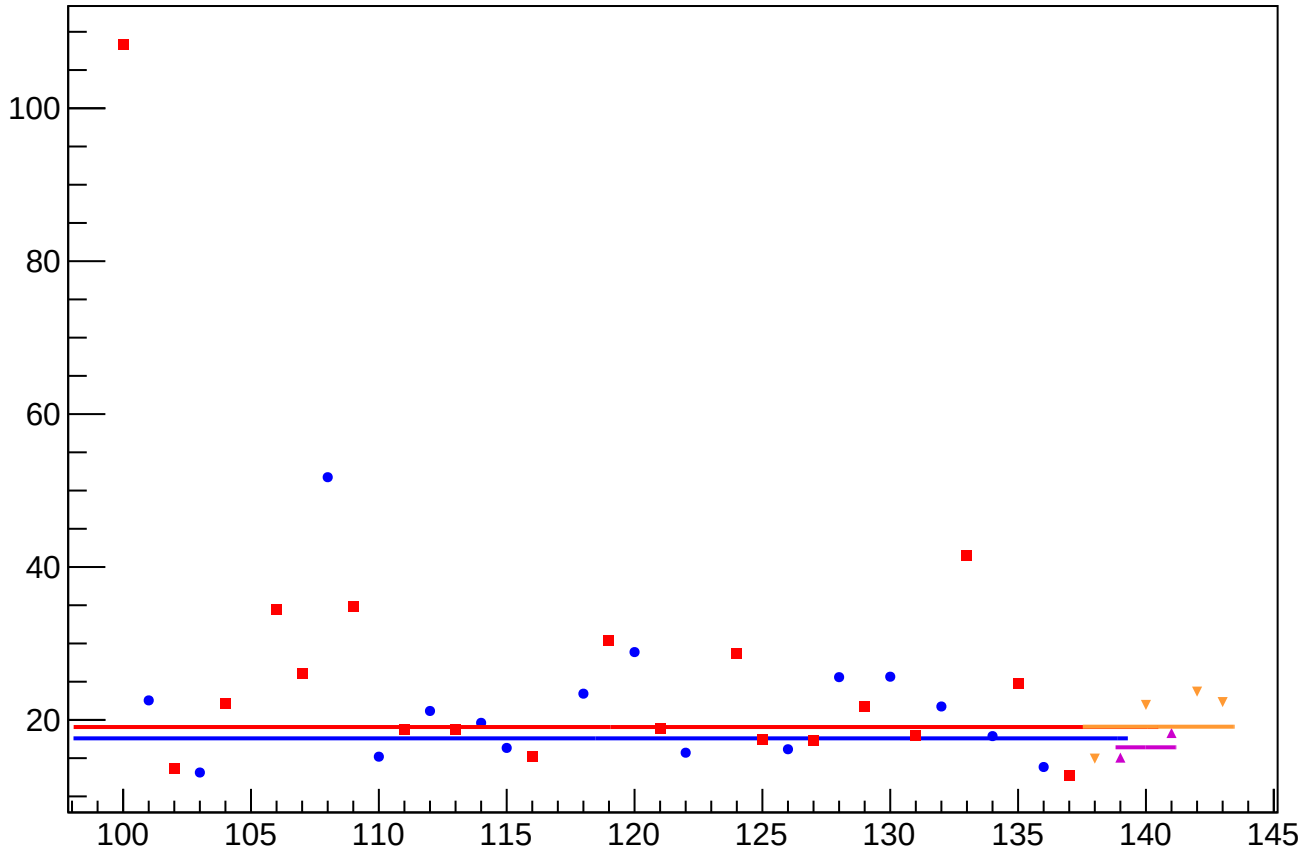
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.015+/-0.013 χ^2/NDF:0.0/1

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/19

All: -0.015+/-0.005 χ^2/NDF: 40.3/40

- sign -0.021+/-0.007 χ^2/NDF: 15.0/20



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 19.115+/-0.008 χ^2/NDF:200688.5/3

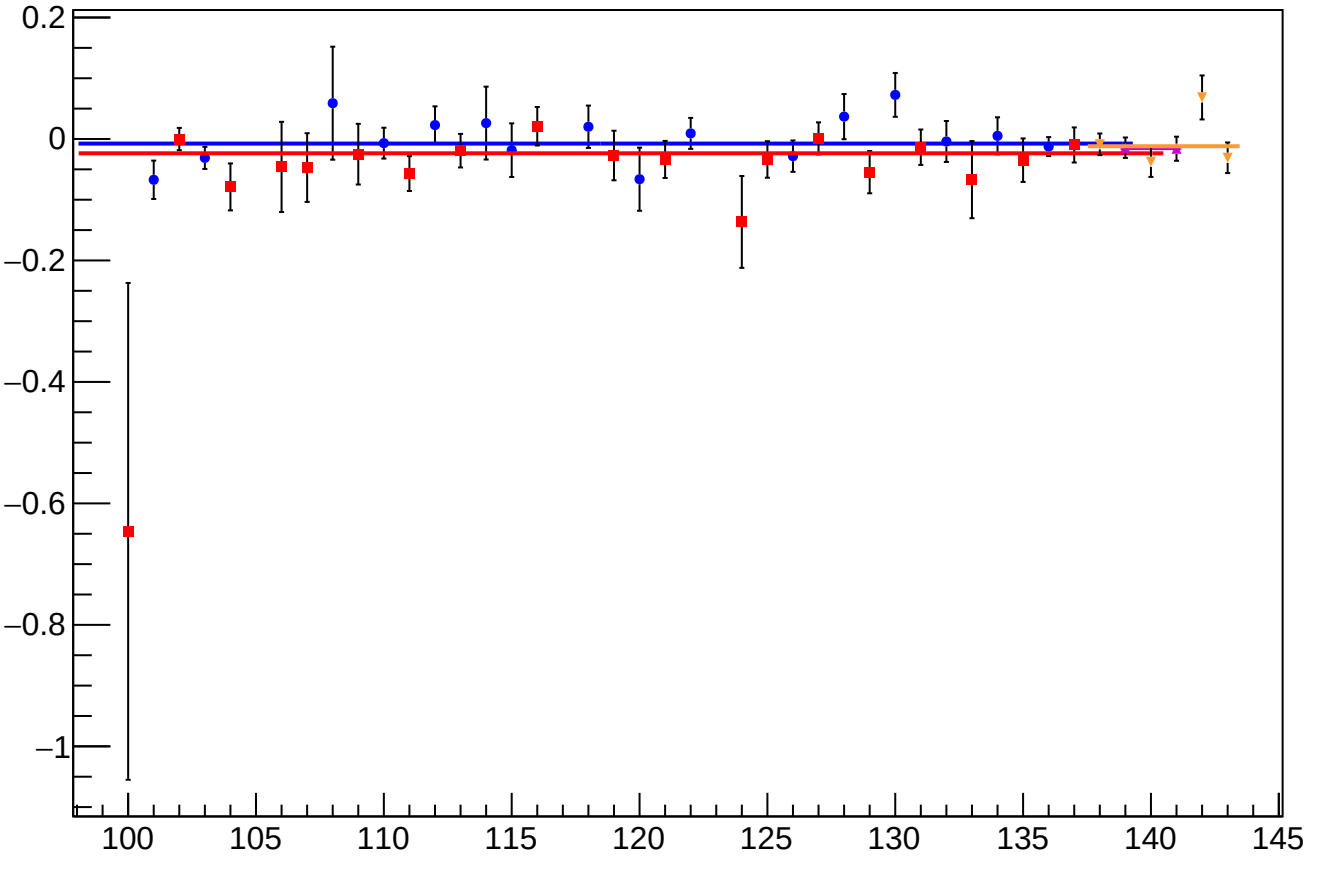
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.7/1

+ sign 18.001+/-0.004 χ^2/NDF: 1218080.2/19

All: 18.169+/-0.003 χ^2/NDF: 2562679.2/40

- sign 18.363+/-0.005 χ^2/NDF: 1341409.7/20



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.012 χ^2/NDF:6.6/3

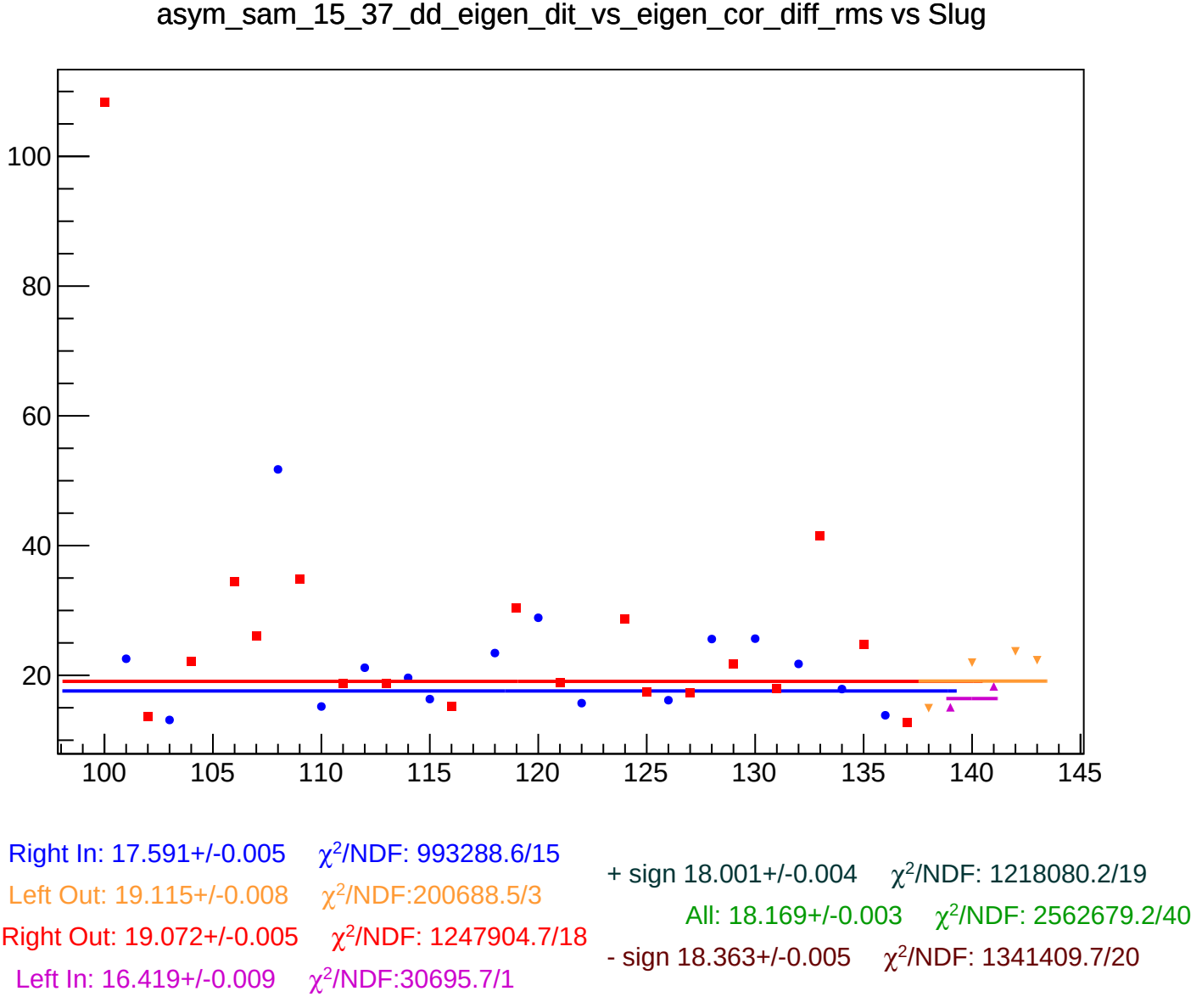
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

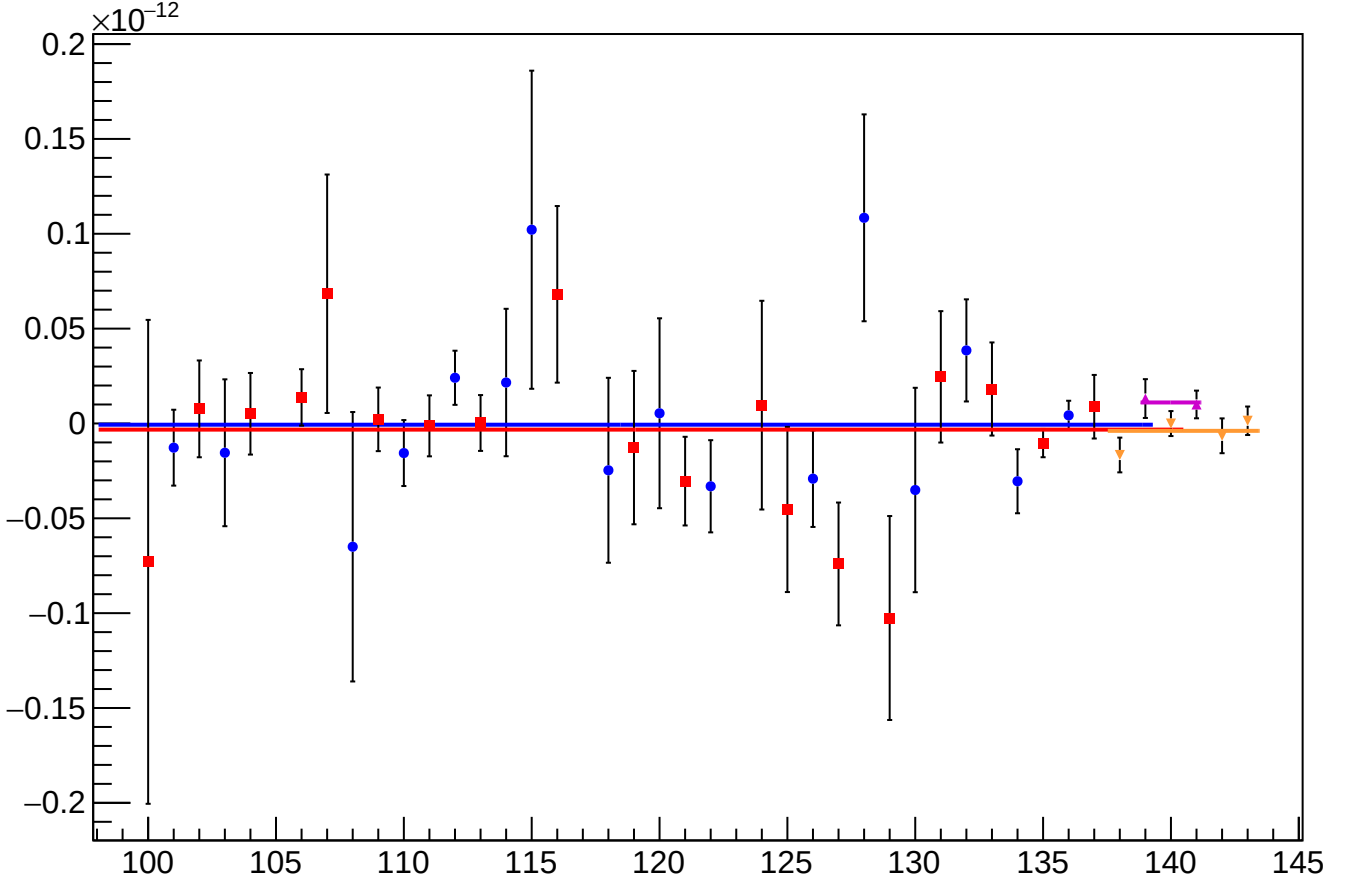
Left In: -0.015+/-0.013 χ^2/NDF:0.0/1

+ sign -0.009+/-0.006 χ^2/NDF: 23.4/19

All: -0.015+/-0.005 χ^2/NDF: 40.3/40

- sign -0.021+/-0.007 χ^2/NDF: 15.0/20


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
105
110
115
120
125
130
135
140
145
Right In: 17.591+/-0.005 χ²/NDF: 993288.6/15
Left Out: 19.115+/-0.008 χ²/NDF:200688.5/3
Right Out: 19.072+/-0.005 χ²/NDF: 1247904.7/18
Left In: 16.419+/-0.009 χ²/NDF:30695.7/1
+ sign 18.001+/-0.004 χ²/NDF: 1218080.2/19
All: 18.169+/-0.003 χ²/NDF: 2562679.2/40
- sign 18.363+/-0.005 χ²/NDF: 1341409.7/20



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/3

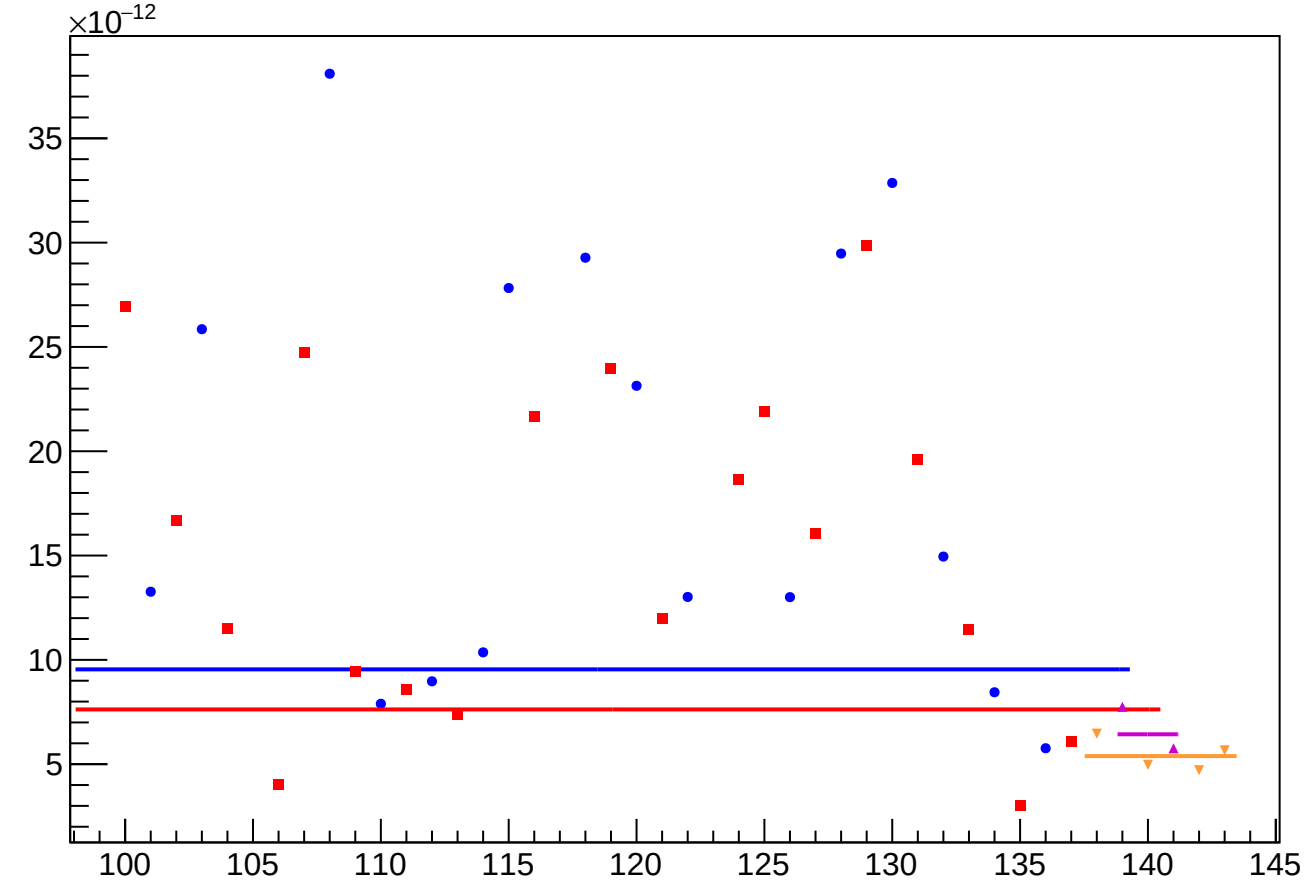
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/19

All: -0.000+/-0.000 χ^2/NDF: 47.3/40

- sign 0.000+/-0.000 χ^2/NDF: 22.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:49163.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

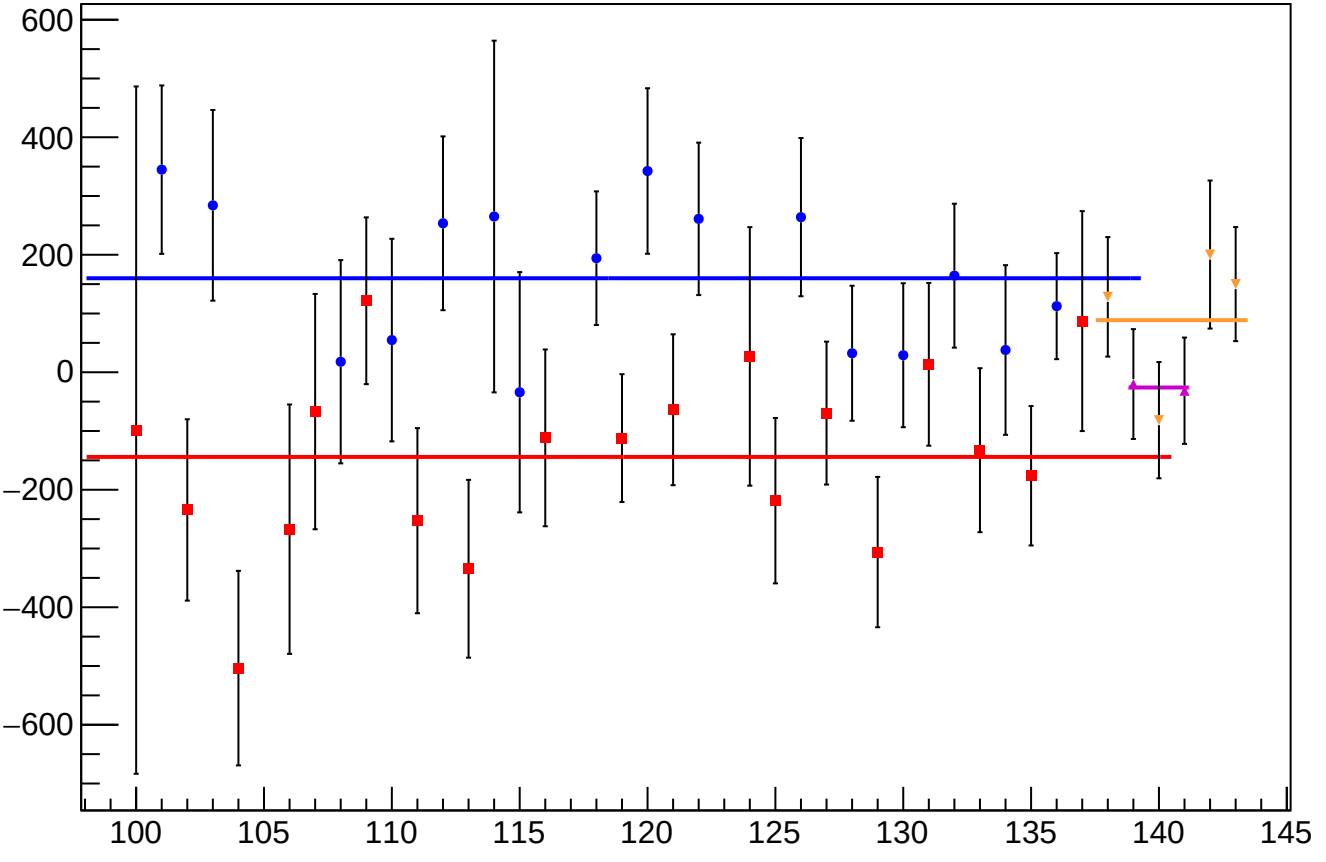
Left In: 0.000+/-0.000 χ^2/NDF:50191.3/1

+ sign 0.000+/-0.000 χ^2/NDF: 3521744.1/19

All: 0.000+/-0.000 χ^2/NDF: 6714364.9/40

- sign 0.000+/-0.000 χ^2/NDF: 3187450.4/20

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 88.679+/-52.138 χ^2/NDF:4.3/3

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

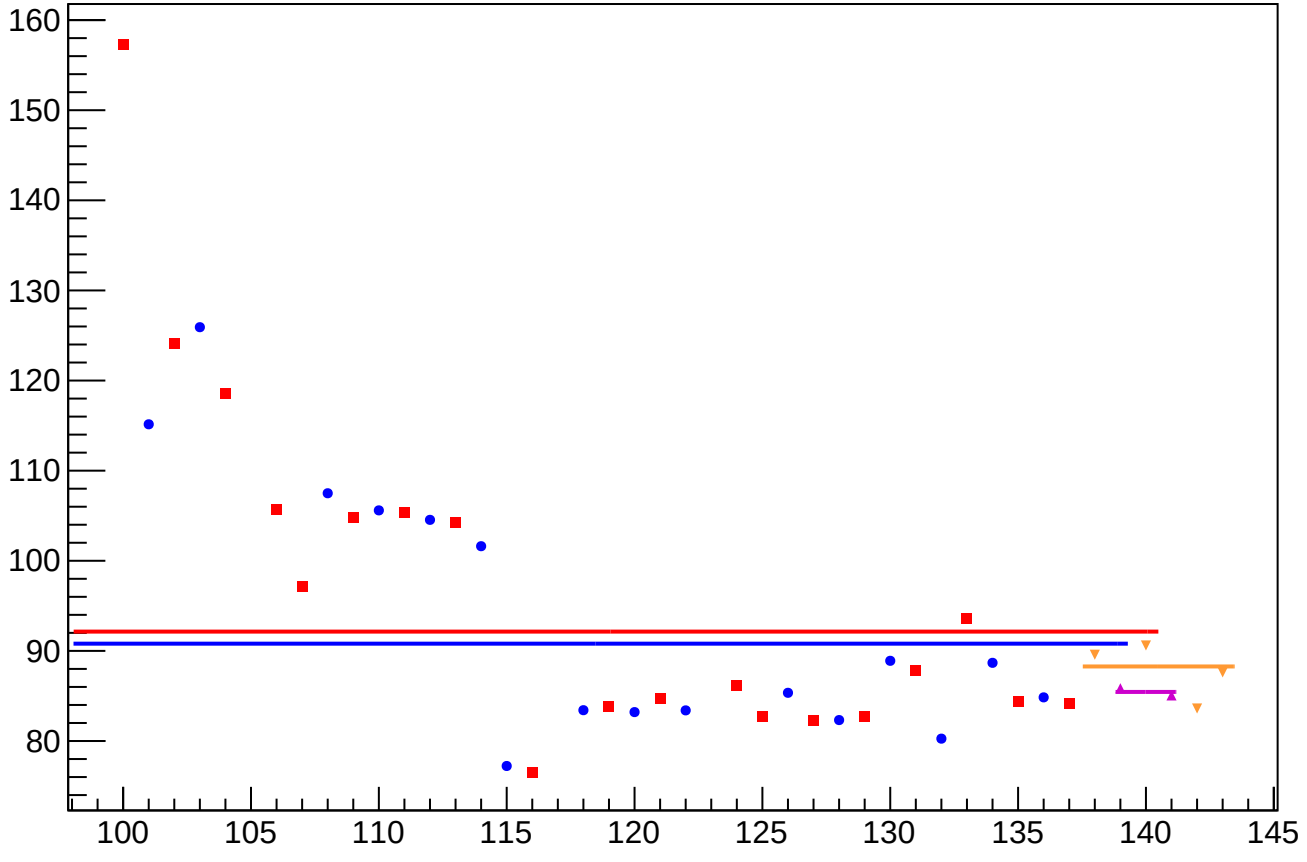
Left In: -25.965+/-65.026 χ^2/NDF:0.0/1

+ sign 138.587+/-28.579 χ^2/NDF: 16.7/19

All: 17.459+/-20.783 χ^2/NDF: 74.8/40

- sign -118.500+/-30.278 χ^2/NDF: 20.0/20

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 88.272+/-0.037 χ^2/NDF:4270.3/3

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

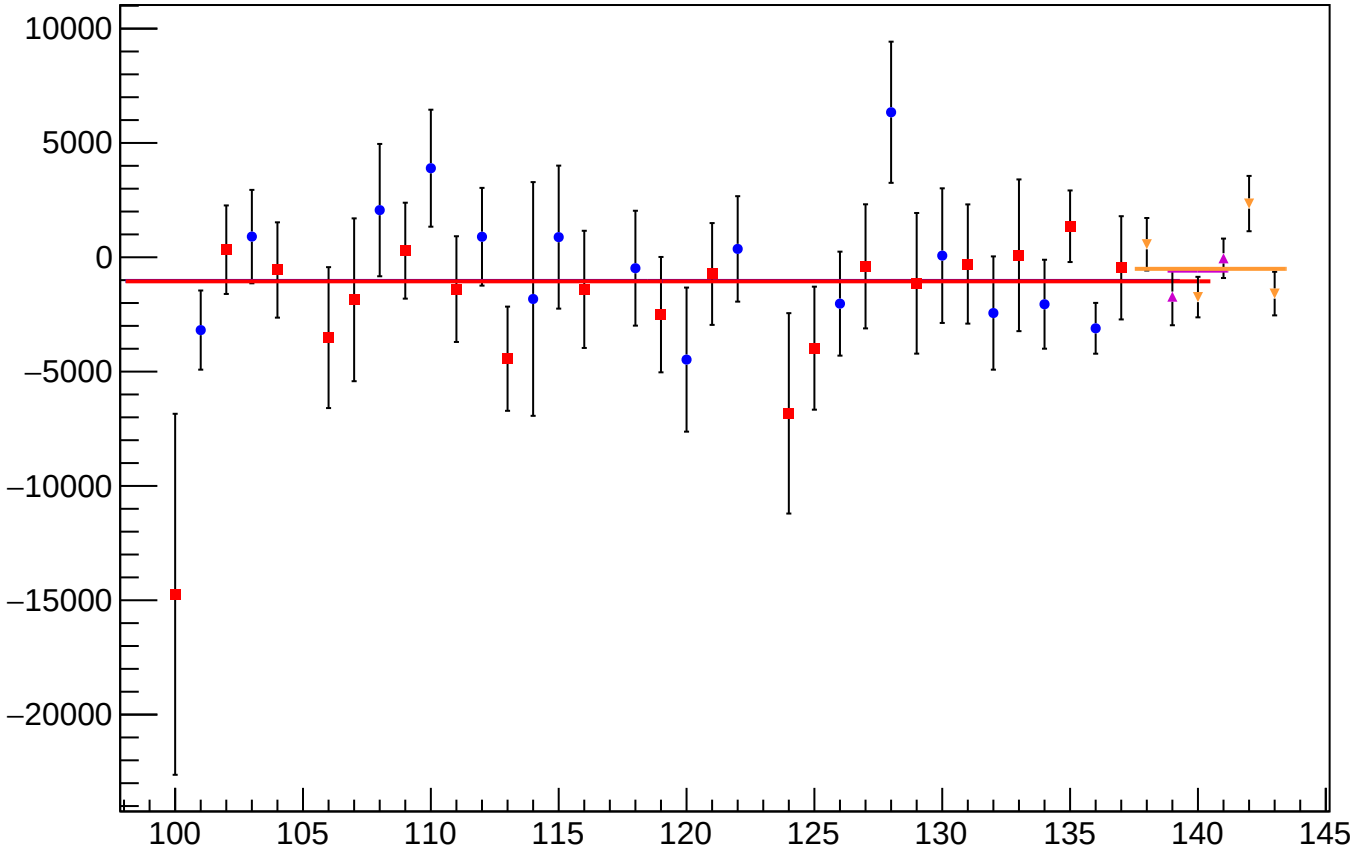
Left In: 85.446+/-0.046 χ^2/NDF:76.0/1

+ sign 90.042+/-0.020 χ^2/NDF: 280319.3/19

All: 90.347+/-0.015 χ^2/NDF: 599519.7/40

- sign 90.690+/-0.021 χ^2/NDF: 318716.3/20

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -505.522+/-511.872 χ^2/NDF:9.7/3

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

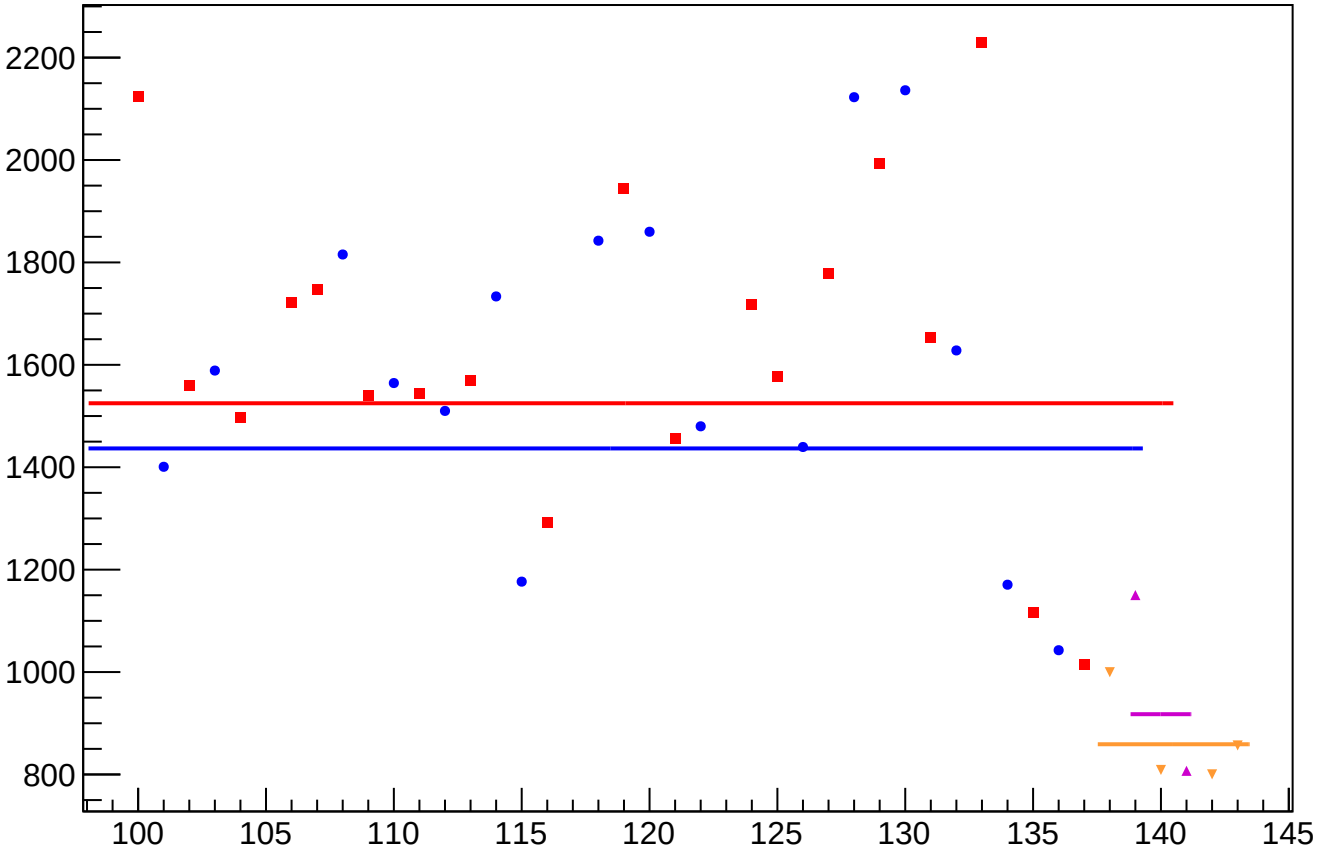
Left In: -585.051+/-710.093 χ^2/NDF:1.2/1

+ sign -751.190+/-374.768 χ^2/NDF: 30.4/19

All: -800.264+/-286.387 χ^2/NDF: 44.8/40

- sign -869.145+/-444.001 χ^2/NDF: 14.4/20

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 859.015+/-0.362 χ^2/NDF:41176.8/3

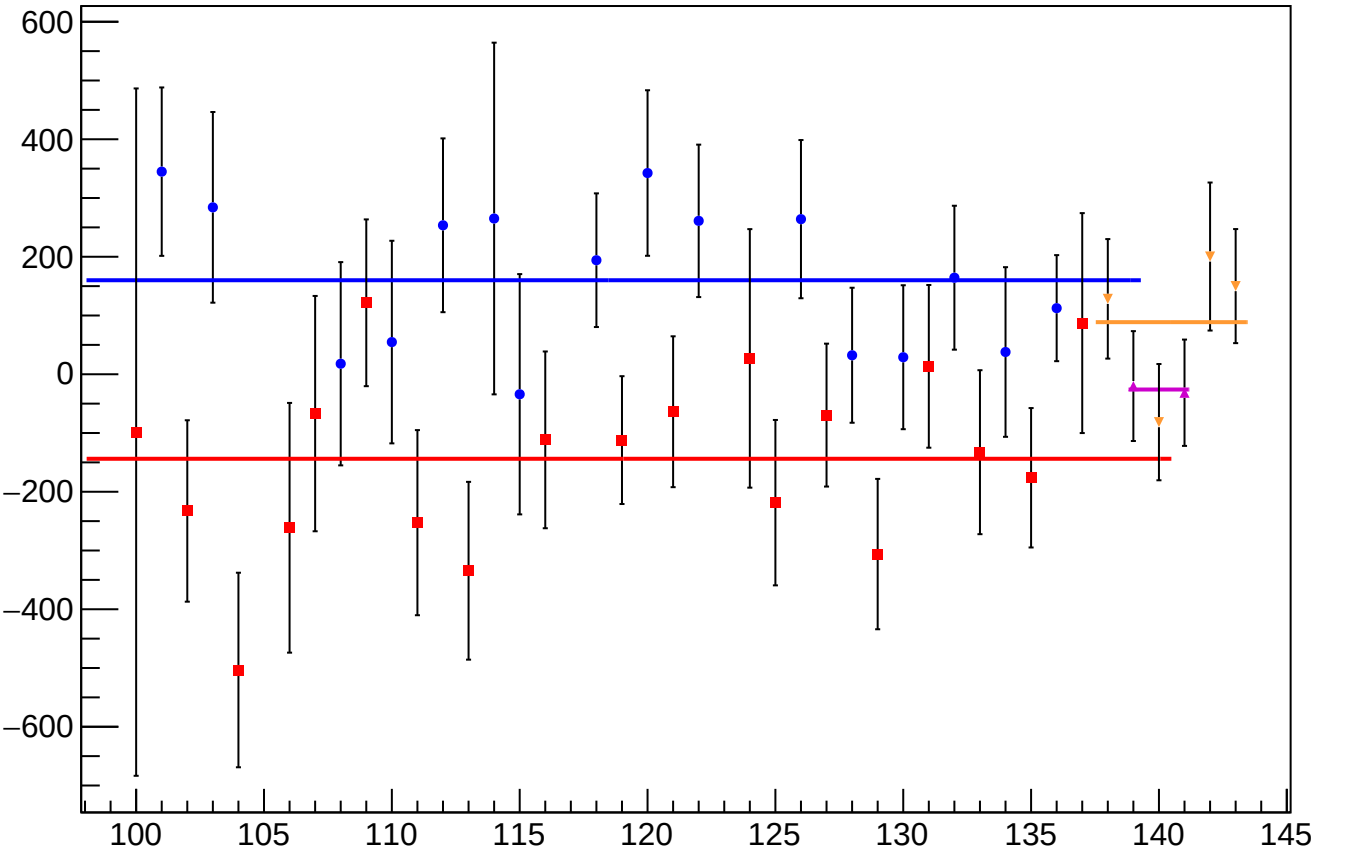
Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 917.725+/-0.502 χ^2/NDF:102040.1/1

+ sign 1127.050+/-0.265 χ^2/NDF: 1898839.2/19

All: 1193.825+/-0.203 χ^2/NDF: 3548793.5/40

- sign 1287.550+/-0.314 χ^2/NDF: 1497340.2/20



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 88.681+/-52.138 χ^2/NDF:4.3/3

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

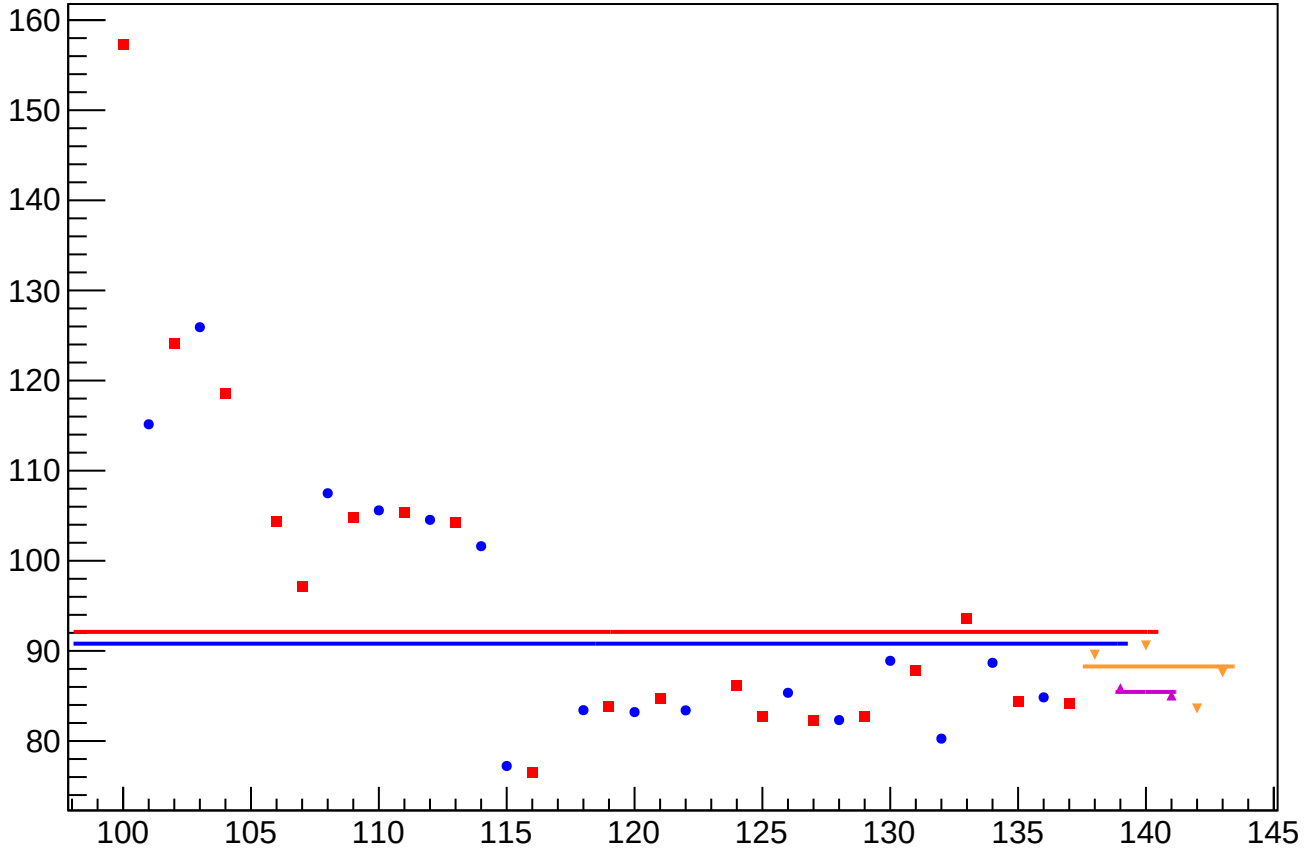
Left In: -25.978+/-65.026 χ^2/NDF:0.0/1

+ sign 138.585+/-28.579 χ^2/NDF: 16.7/19

All: 17.558+/-20.784 χ^2/NDF: 74.7/40

- sign -118.300+/-30.280 χ^2/NDF: 19.9/20

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 88.272+/-0.037 χ^2/NDF:4270.3/3

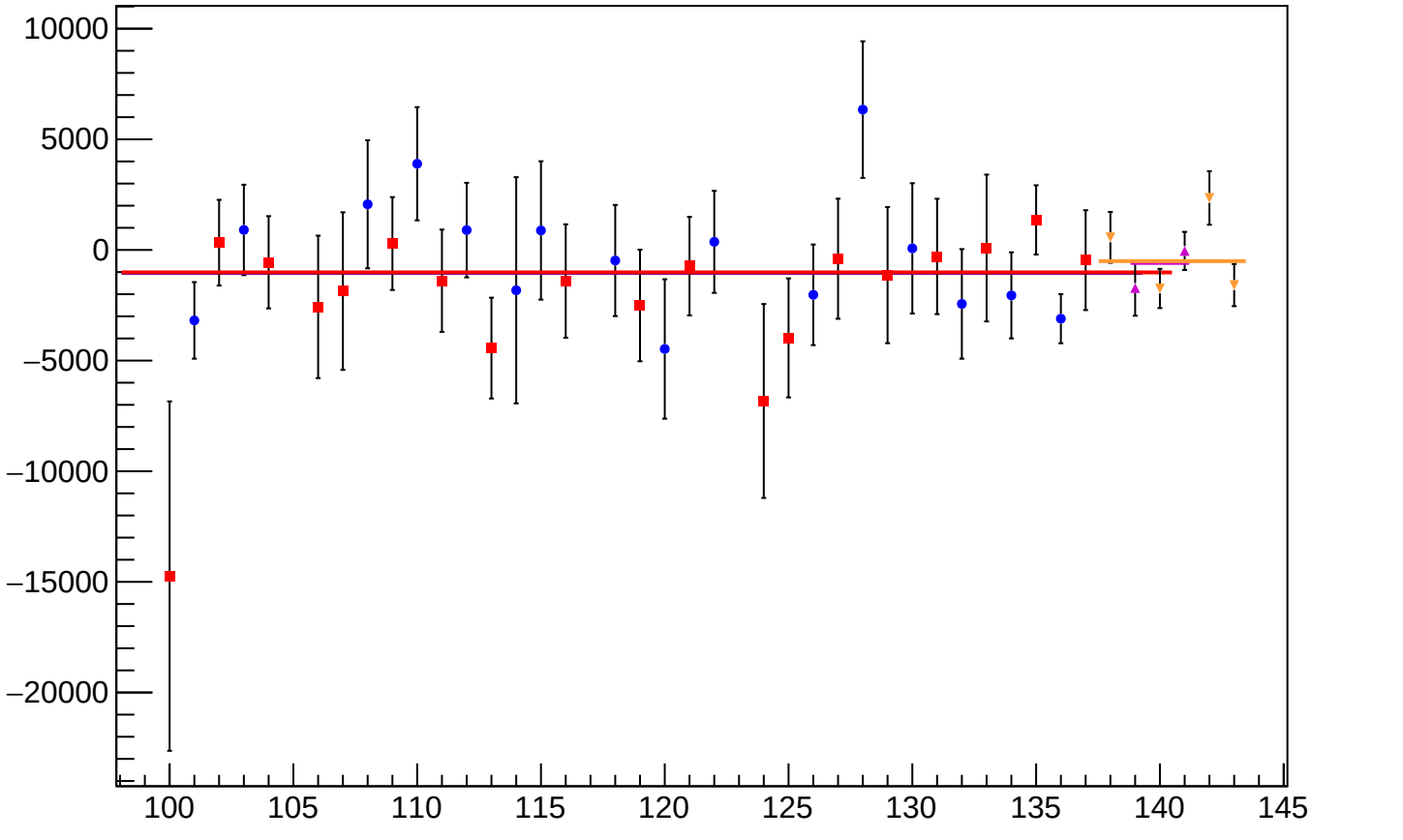
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 85.446+/-0.046 χ^2/NDF:76.0/1

+ sign 90.042+/-0.020 χ^2/NDF: 280321.1/19

All: 90.335+/-0.015 χ^2/NDF: 598054.8/40

- sign 90.663+/-0.021 χ^2/NDF: 317287.7/20



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -505.510+/-511.872 χ^2/NDF:9.7/3

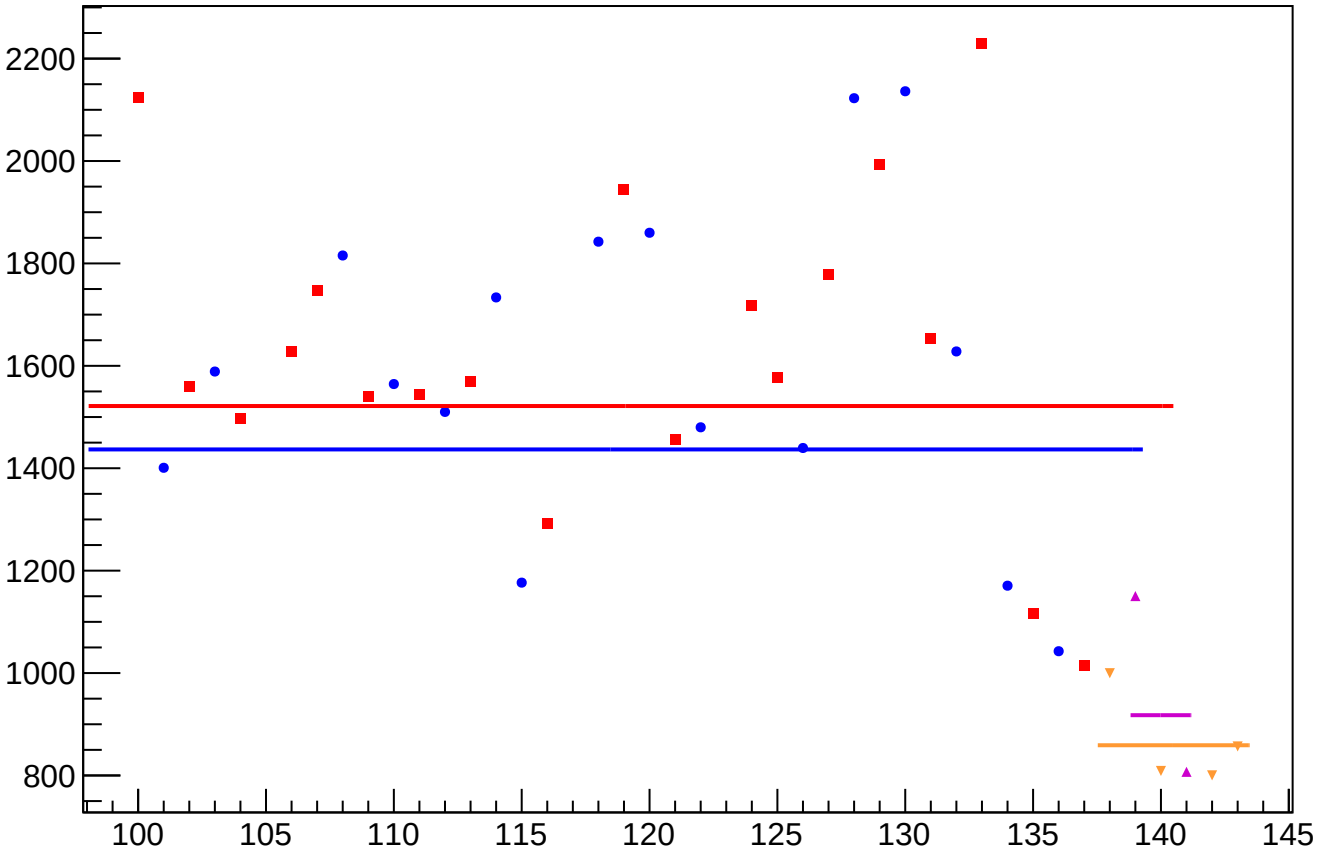
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -585.073+/-710.093 χ^2/NDF:1.2/1

+ sign -751.172+/-374.769 χ^2/NDF: 30.4/19

All: -790.936+/-286.494 χ^2/NDF: 44.4/40

- sign -846.848+/-444.399 χ^2/NDF: 13.9/20



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 859.015+/-0.362 χ^2/NDF:41177.3/3

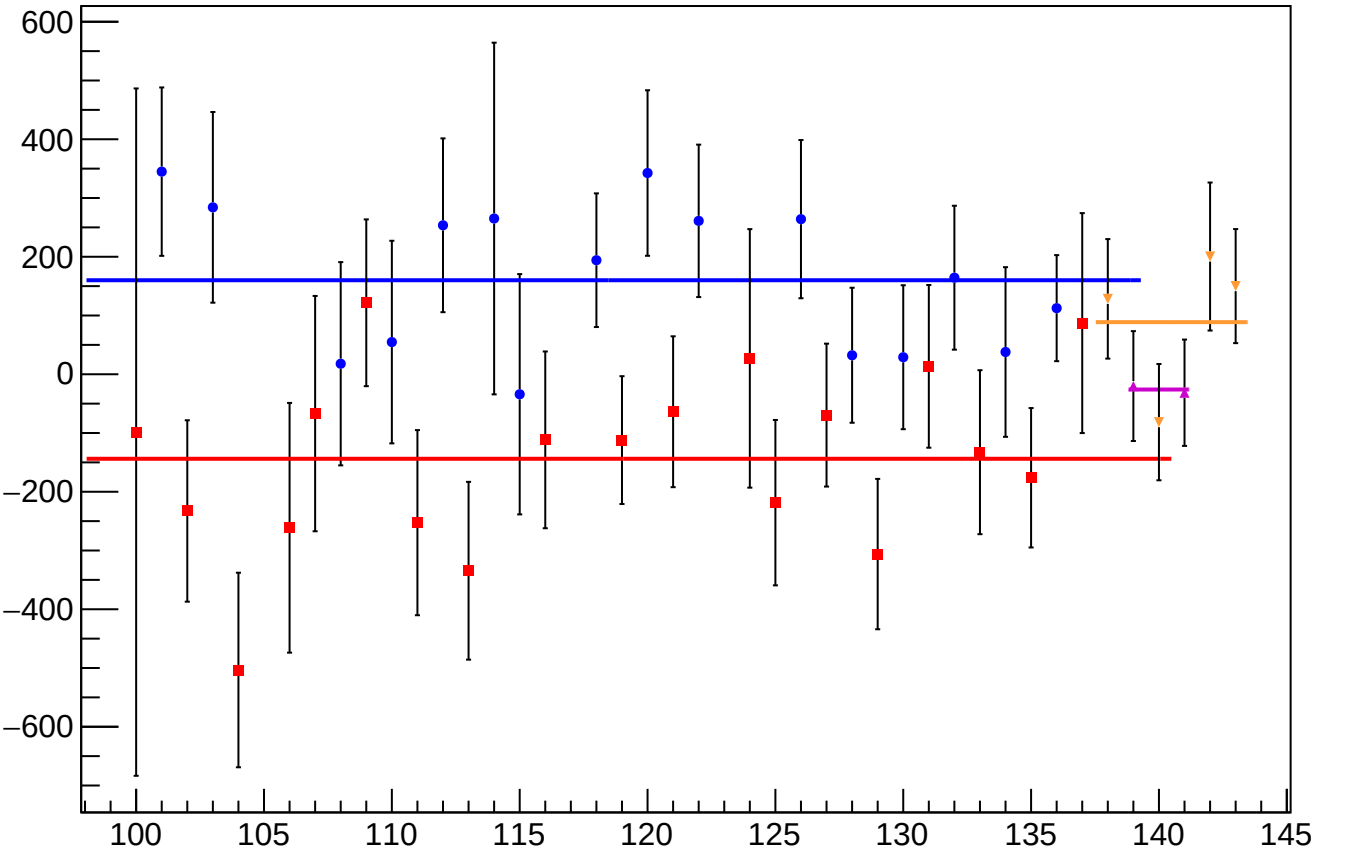
Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 917.725+/-0.502 χ^2/NDF:102039.6/1

+ sign 1127.050+/-0.265 χ^2/NDF: 1898861.7/19

All: 1192.704+/-0.203 χ^2/NDF: 3526552.0/40

- sign 1285.020+/-0.314 χ^2/NDF: 1480004.9/20



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 88.681+/-52.138 χ^2/NDF:4.3/3

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

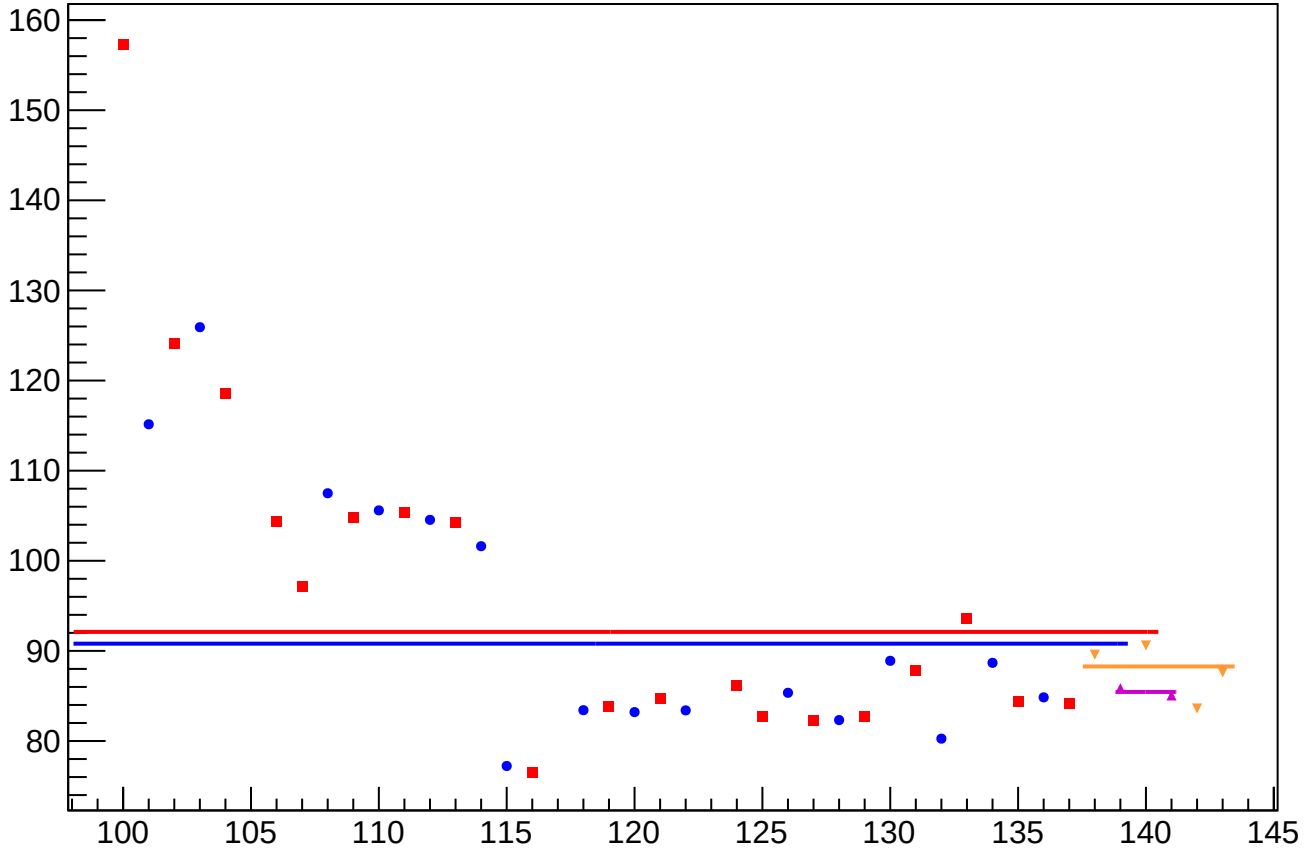
Left In: -25.978+/-65.026 χ^2/NDF:0.0/1

+ sign 138.585+/-28.579 χ^2/NDF: 16.7/19

All: 17.558+/-20.784 χ^2/NDF: 74.7/40

- sign -118.300+/-30.280 χ^2/NDF: 19.9/20

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 88.272+/-0.037 χ^2/NDF:4270.3/3

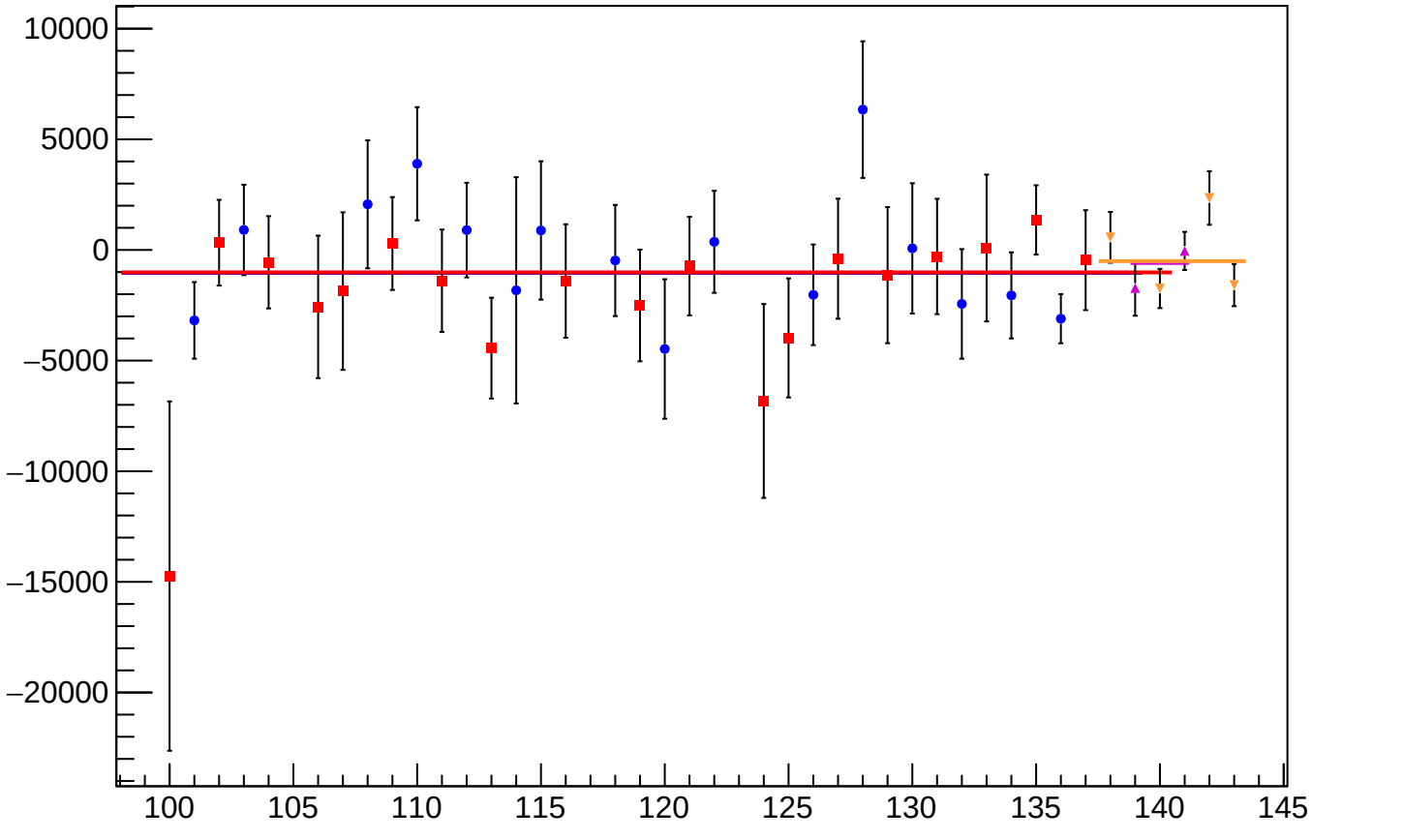
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 85.446+/-0.046 χ^2/NDF:76.0/1

+ sign 90.042+/-0.020 χ^2/NDF: 280321.1/19

All: 90.335+/-0.015 χ^2/NDF: 598054.8/40

- sign 90.663+/-0.021 χ^2/NDF: 317287.7/20



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -505.510+/-511.872 χ^2/NDF:9.7/3

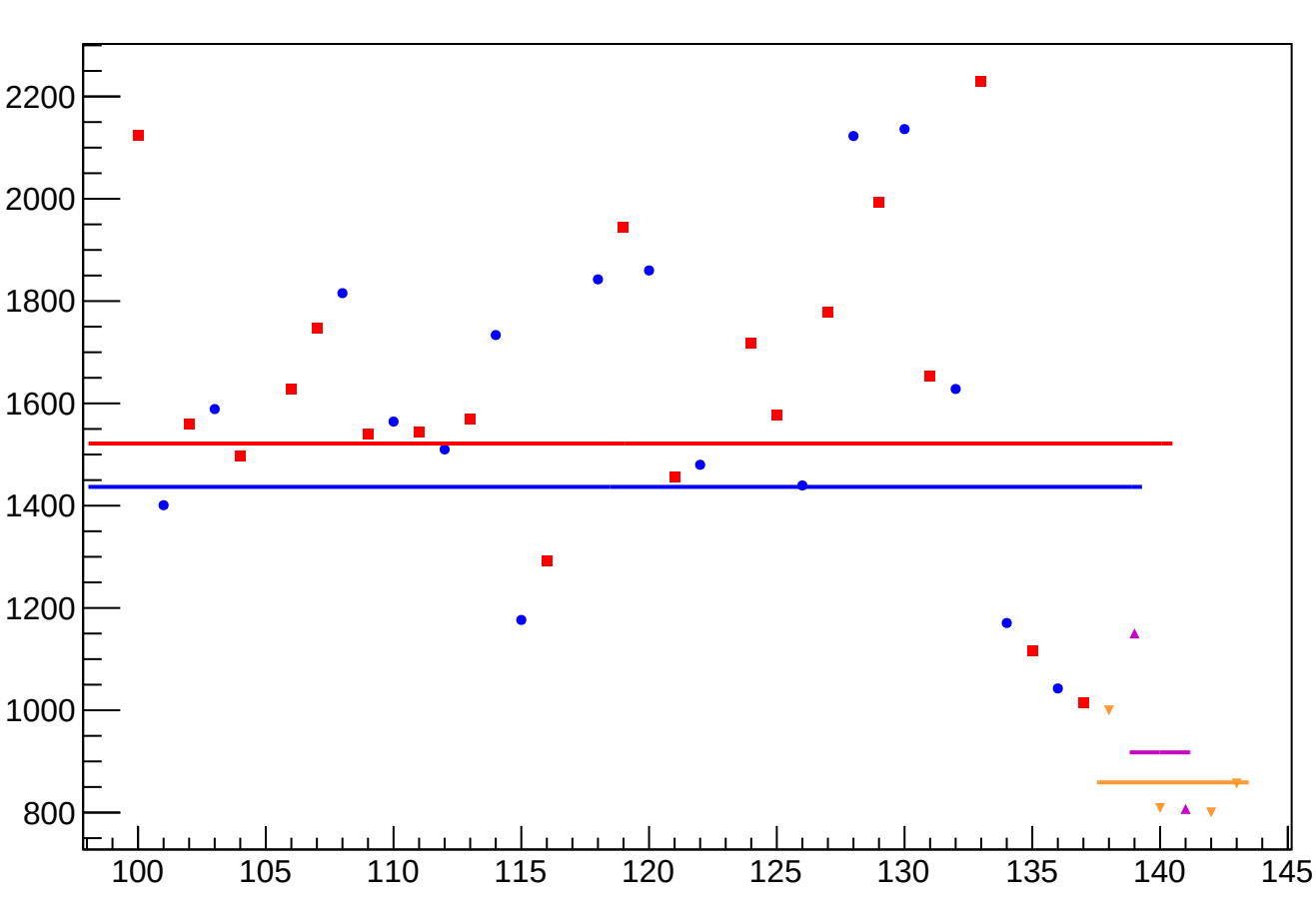
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -585.073+/-710.093 χ^2/NDF:1.2/1

+ sign -751.172+/-374.769 χ^2/NDF: 30.4/19

All: -790.936+/-286.494 χ^2/NDF: 44.4/40

- sign -846.848+/-444.399 χ^2/NDF: 13.9/20



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 859.015+/-0.362 χ^2/NDF:41177.3/3

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

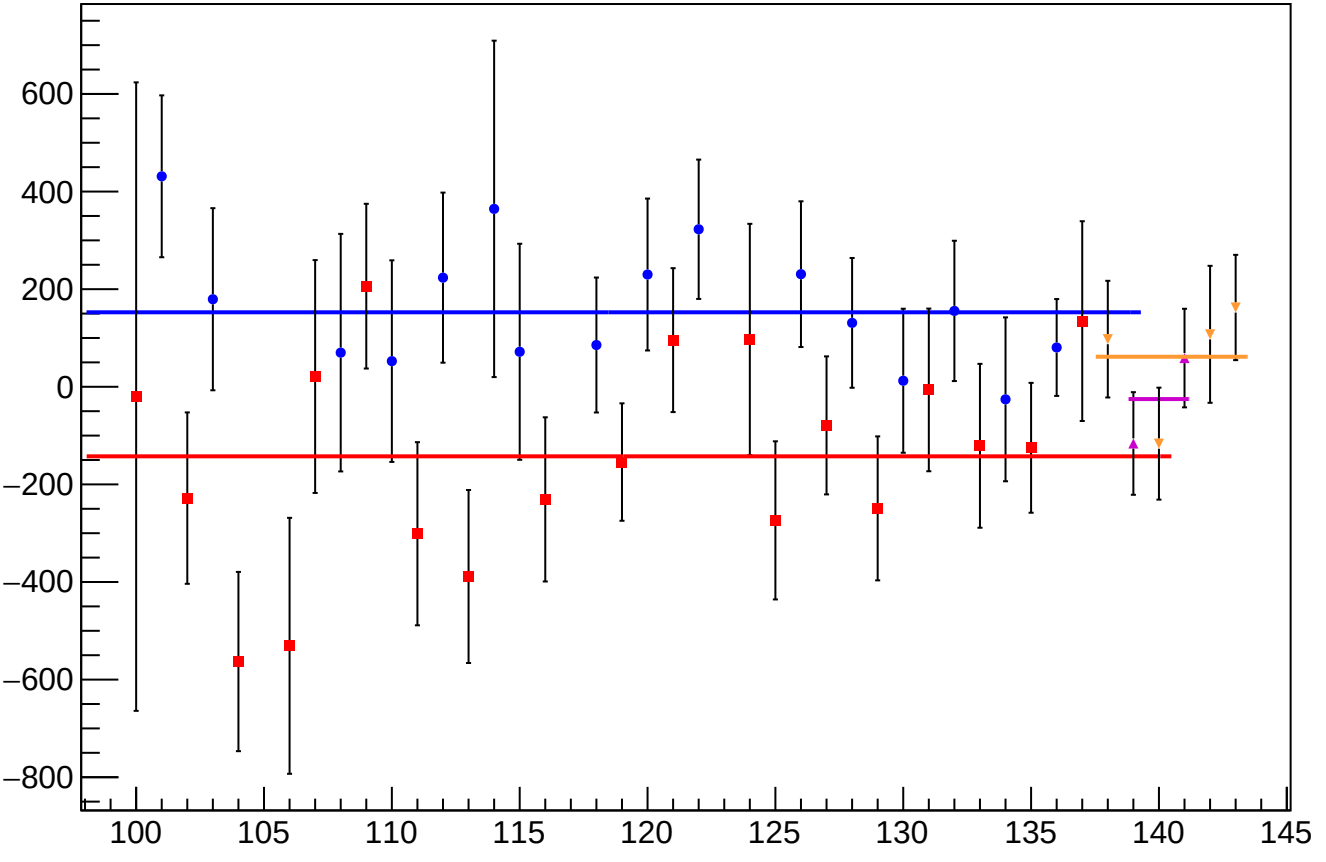
Left In: 917.725+/-0.502 χ^2/NDF:102039.6/1

+ sign 1127.050+/-0.265 χ^2/NDF: 1898861.7/19

All: 1192.704+/-0.203 χ^2/NDF: 3526552.0/40

- sign 1285.020+/-0.314 χ^2/NDF: 1480004.9/20

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 61.556+/-59.472 χ^2/NDF:3.5/3

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

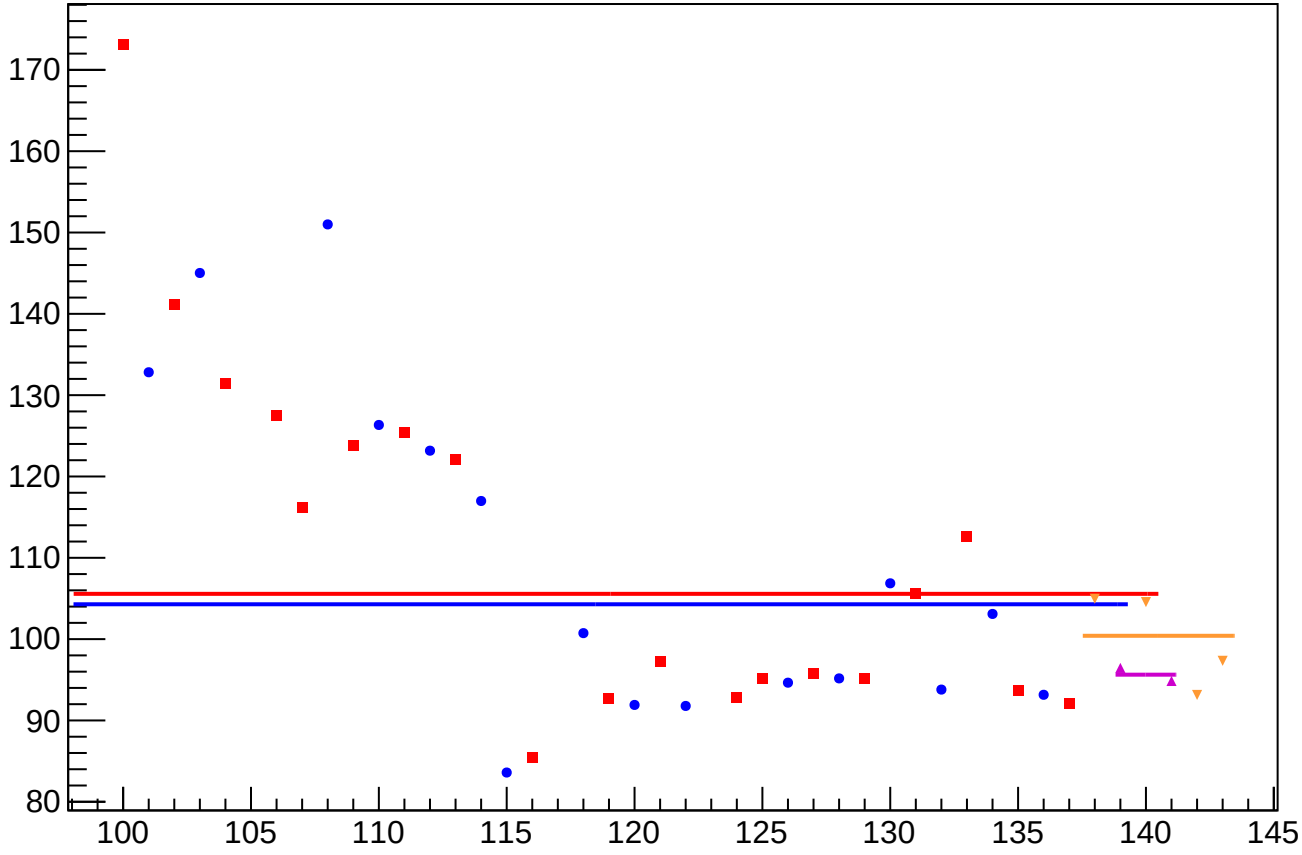
Left In: -25.168+/-72.837 χ^2/NDF:1.4/1

+ sign 124.802+/-32.873 χ^2/NDF: 13.7/19

All: 10.611+/-23.836 χ^2/NDF: 65.6/40

- sign -115.999+/-34.614 χ^2/NDF: 26.4/20

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 100.411+/-0.042 χ^2/NDF:12524.9/3

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

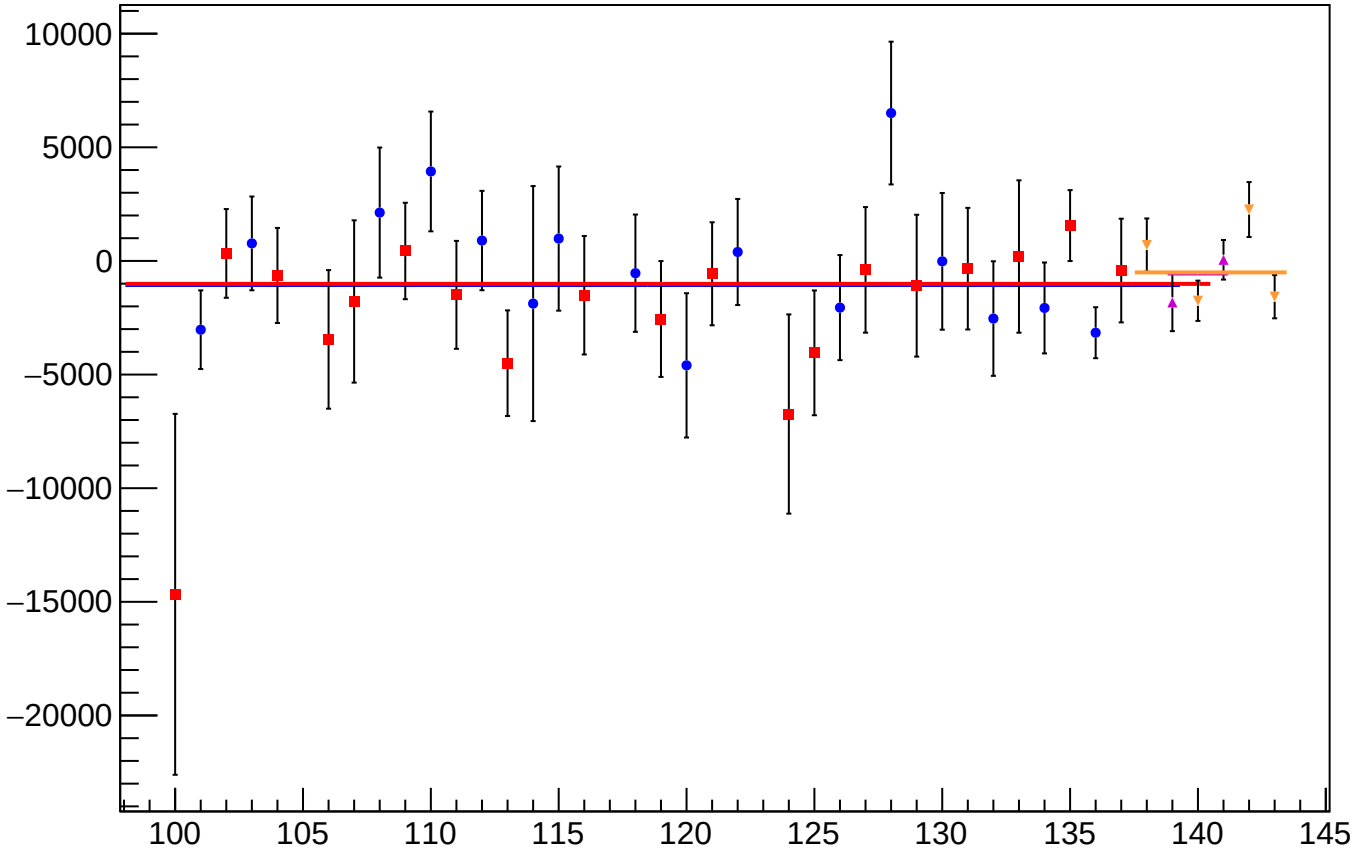
Left In: 95.628+/-0.052 χ^2/NDF:242.8/1

\+ sign 103.102+/-0.023 χ^2/NDF: 396733.9/19

All: 103.207+/-0.017 χ^2/NDF: 770461.6/40

\- sign 103.323+/-0.024 χ^2/NDF: 373684.7/20

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -504.976+/-513.333 χ^2/NDF:9.5/3

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

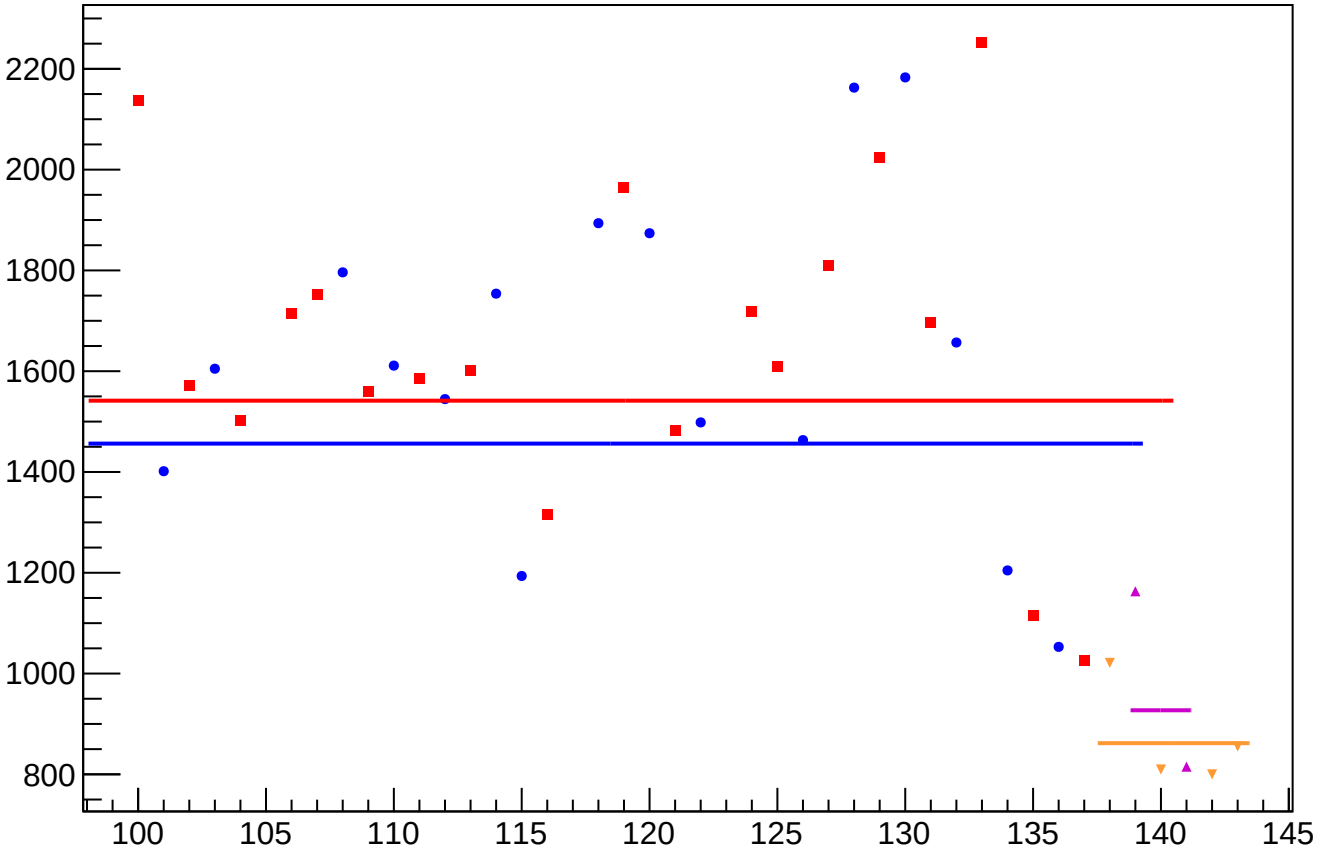
Left In: -552.605+/-717.172 χ^2/NDF:1.5/1

+ sign -759.268+/-377.676 χ^2/NDF: 30.1/19

All: -788.989+/-288.935 χ^2/NDF: 45.2/40

- sign -830.931+/-448.662 χ^2/NDF: 15.0/20

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 861.853+/-0.363 χ^2/NDF:49387.6/3

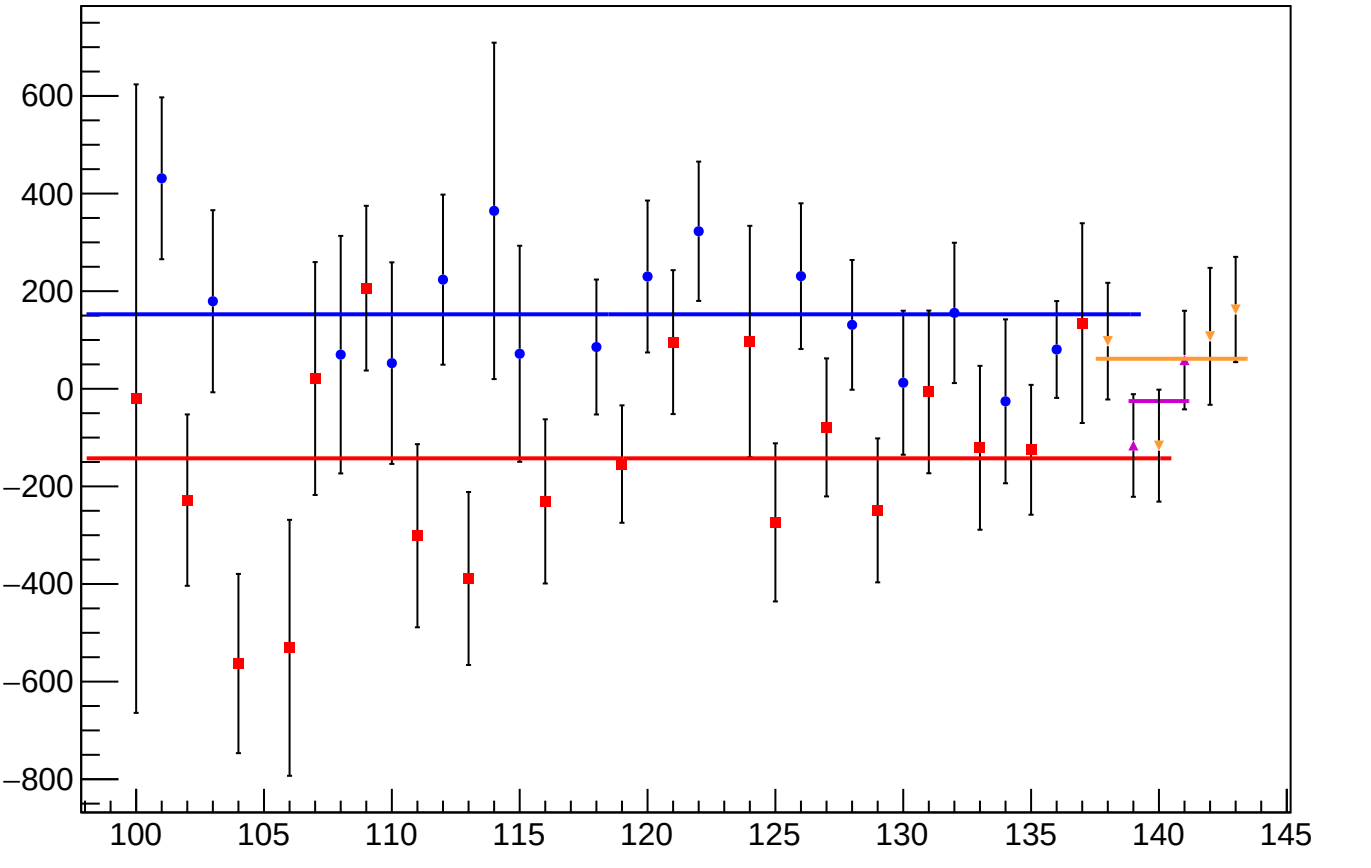
Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 927.095+/-0.507 χ^2/NDF:102727.5/1

+ sign 1134.525+/-0.267 χ^2/NDF: 1964424.9/19

All: 1203.588+/-0.204 χ^2/NDF: 3641207.4/40

- sign 1301.052+/-0.317 χ^2/NDF: 1515524.1/20



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 61.554+/-59.472 χ^2/NDF:3.5/3

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

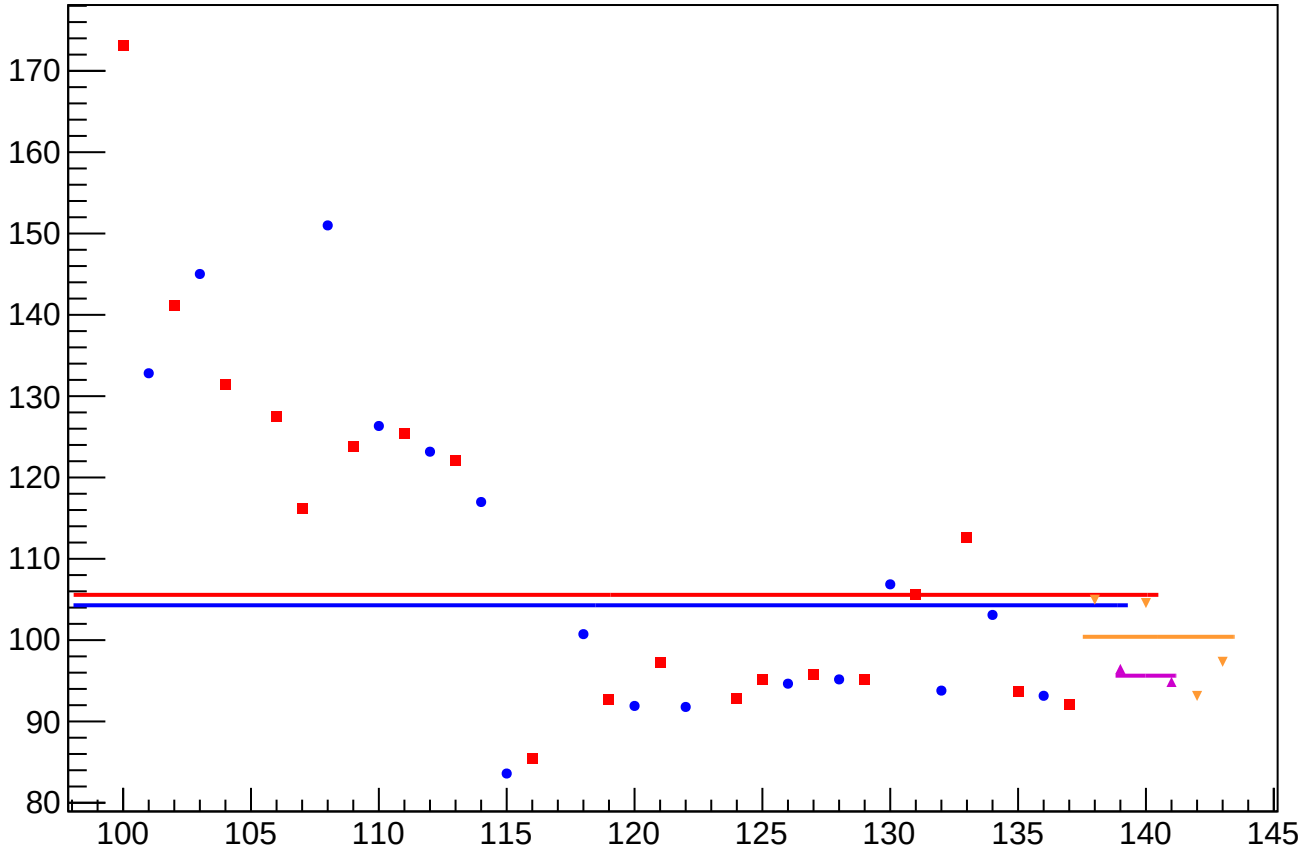
Left In: -25.168+/-72.836 χ^2/NDF:1.4/1

+ sign 124.803+/-32.873 χ^2/NDF: 13.7/19

All: 10.613+/-23.836 χ^2/NDF: 65.6/40

- sign -115.997+/-34.614 χ^2/NDF: 26.4/20

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 100.411+/-0.042 χ^2/NDF:12524.1/3

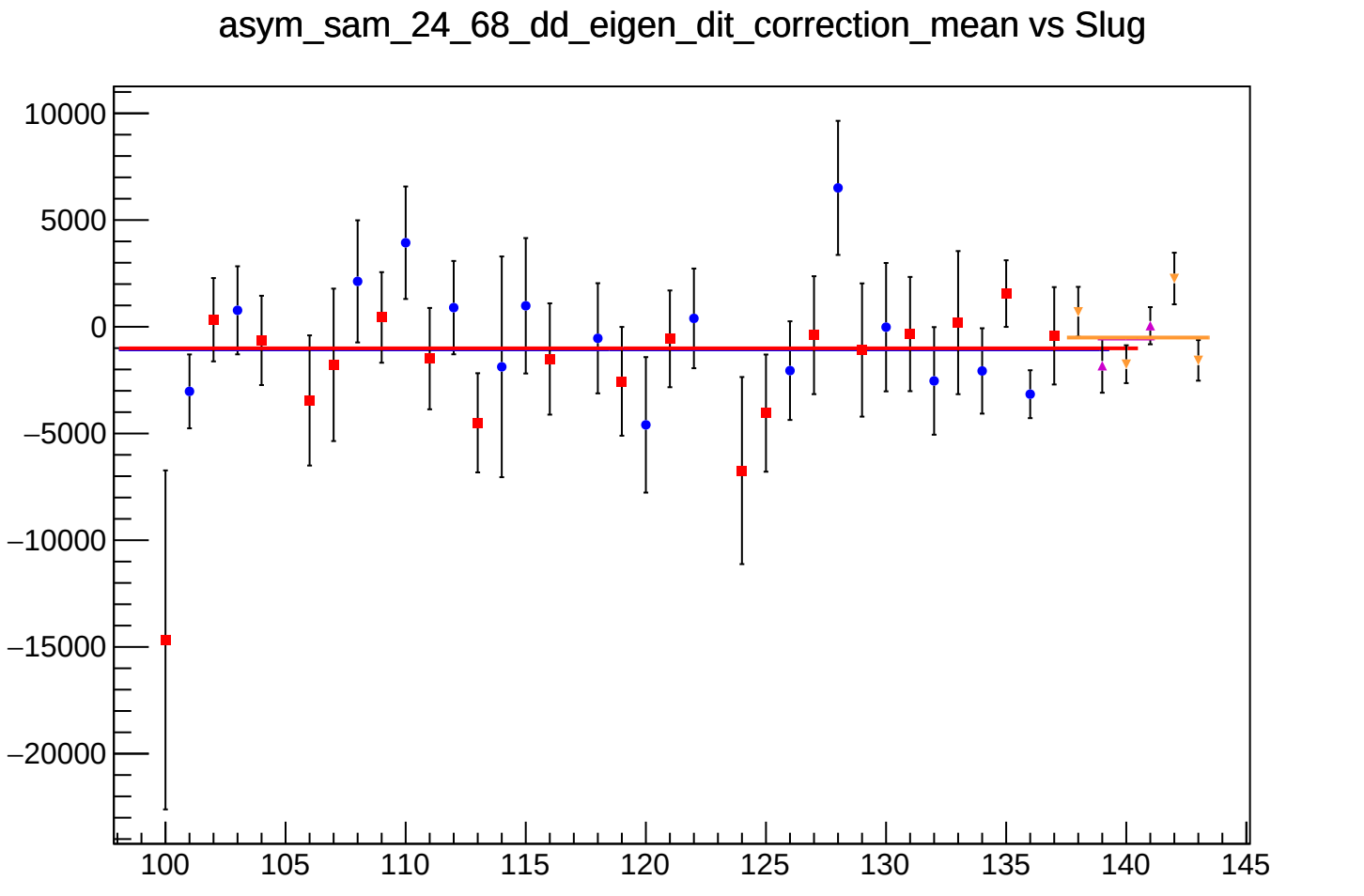
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 95.628+/-0.052 χ^2/NDF:242.7/1

+ sign 103.101+/-0.023 χ^2/NDF: 396732.7/19

All: 103.206+/-0.017 χ^2/NDF: 770456.5/40

- sign 103.323+/-0.024 χ^2/NDF: 373680.8/20



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -504.978+/-513.333 χ^2/NDF:9.5/3

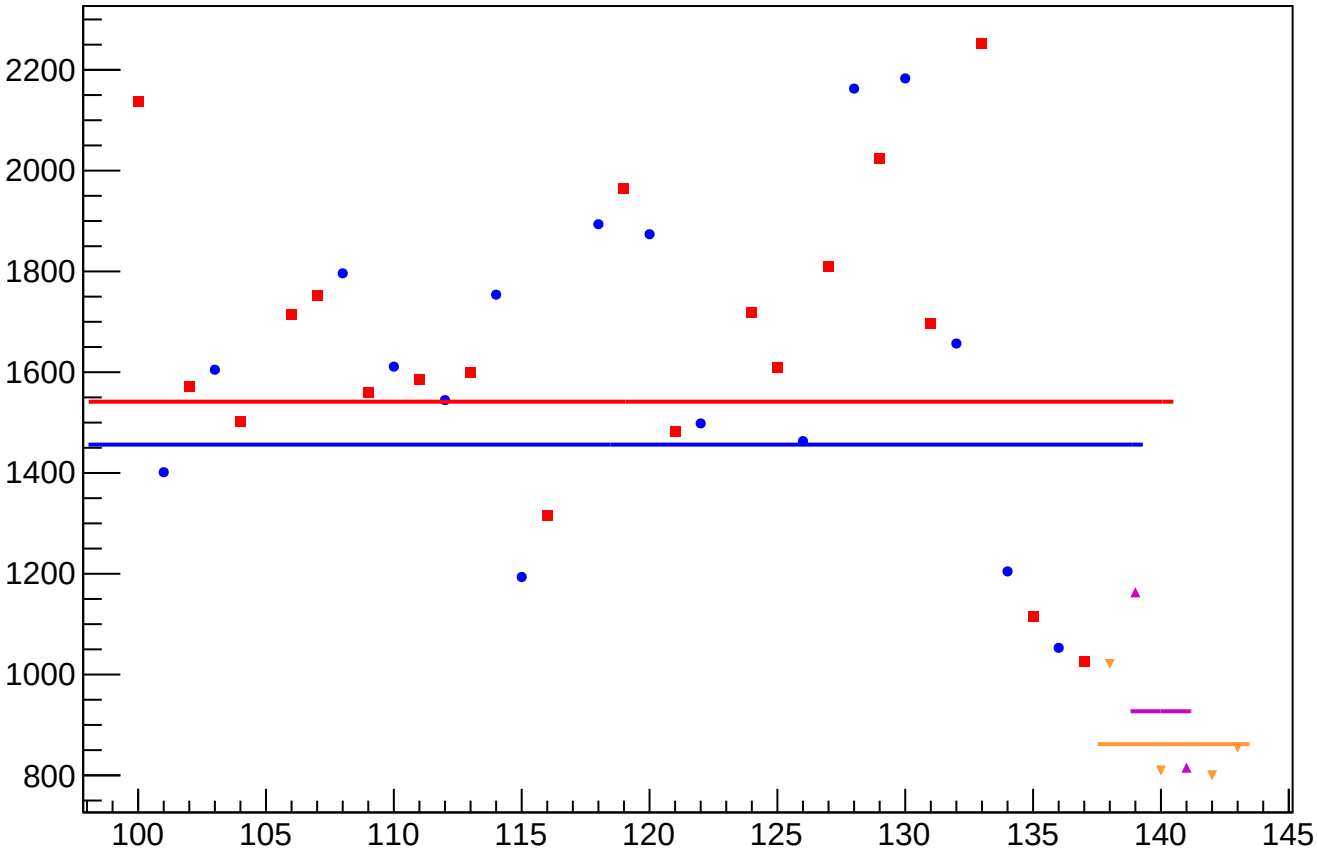
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -552.606+/-717.171 χ^2/NDF:1.5/1

+ sign -759.268+/-377.676 χ^2/NDF: 30.1/19

All: -788.989+/-288.934 χ^2/NDF: 45.2/40

- sign -830.932+/-448.661 χ^2/NDF: 15.0/20



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 861.853+/-0.363 χ^2/NDF:49386.1/3

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

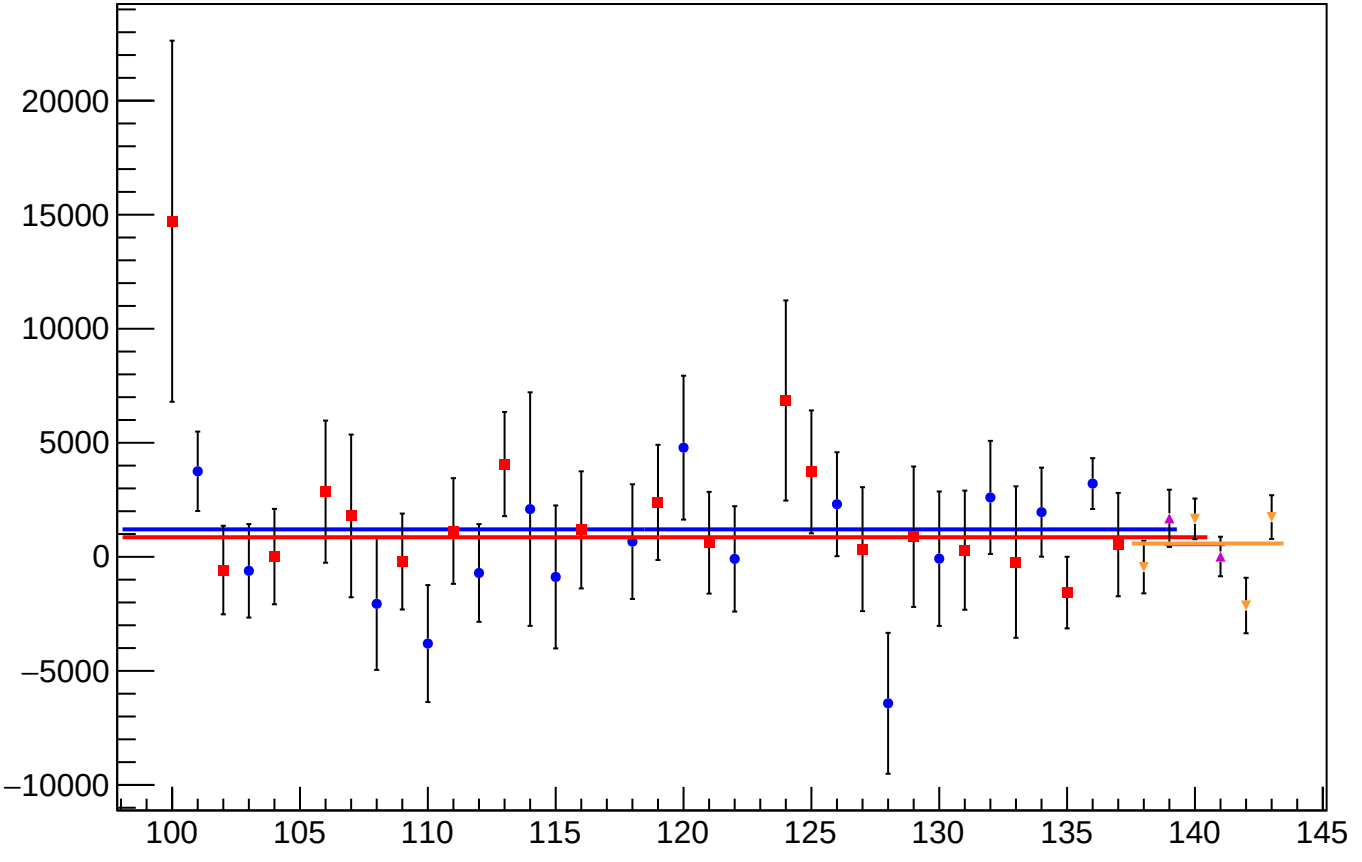
Left In: 927.094+/-0.507 χ^2/NDF:102726.9/1

+ sign 1134.524+/-0.267 χ^2/NDF: 1964415.8/19

All: 1203.586+/-0.204 χ^2/NDF: 3641195.2/40

- sign 1301.050+/-0.317 χ^2/NDF: 1515522.7/20

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 585.771+/-514.700 χ^2/NDF:8.7/3

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

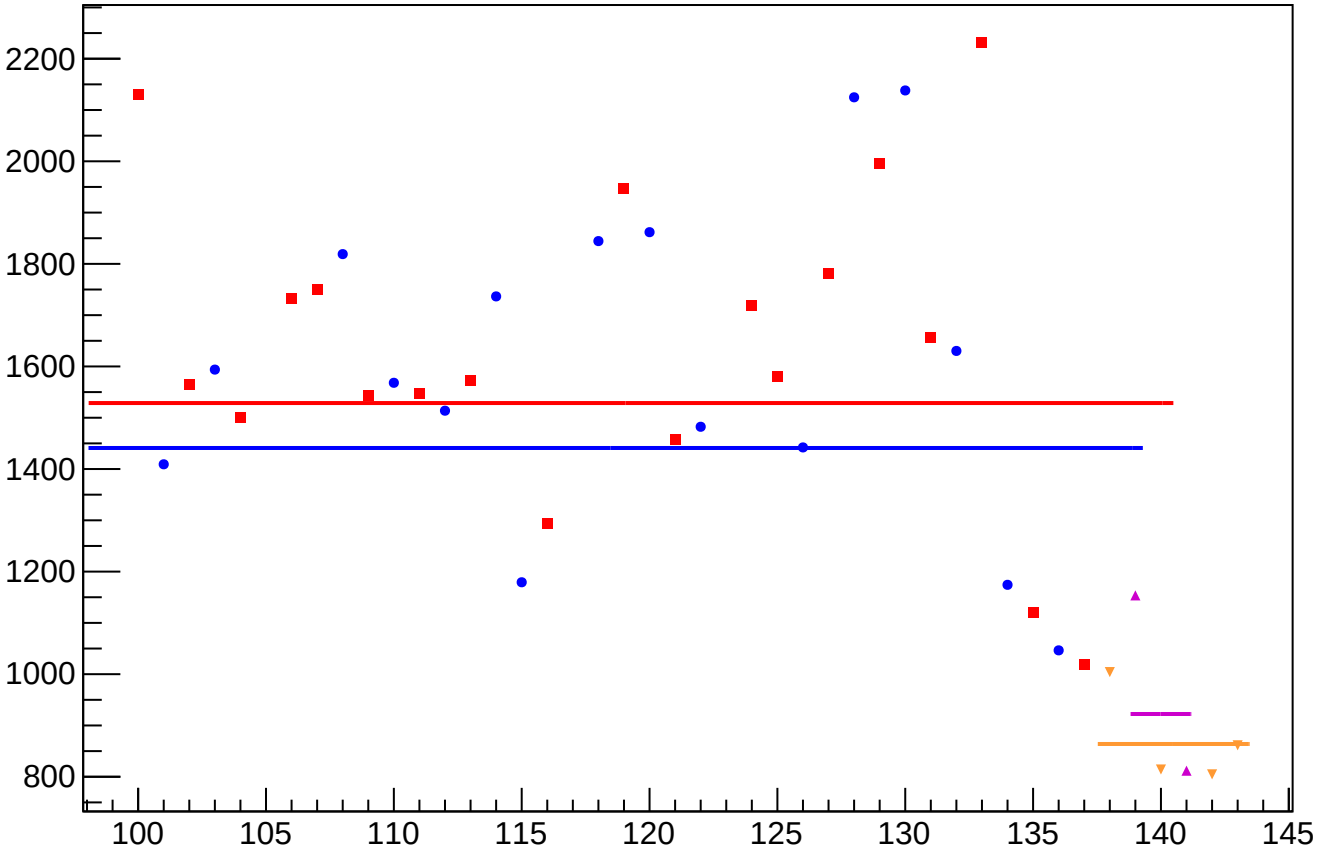
Left In: 556.120+/-713.478 χ^2/NDF:1.2/1

+ sign 873.767+/-376.358 χ^2/NDF: 30.5/19

All: 818.510+/-287.504 χ^2/NDF: 44.4/40

- sign 741.079+/-445.520 χ^2/NDF: 13.8/20

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 863.903+/-0.364 χ^2/NDF:40537.7/3

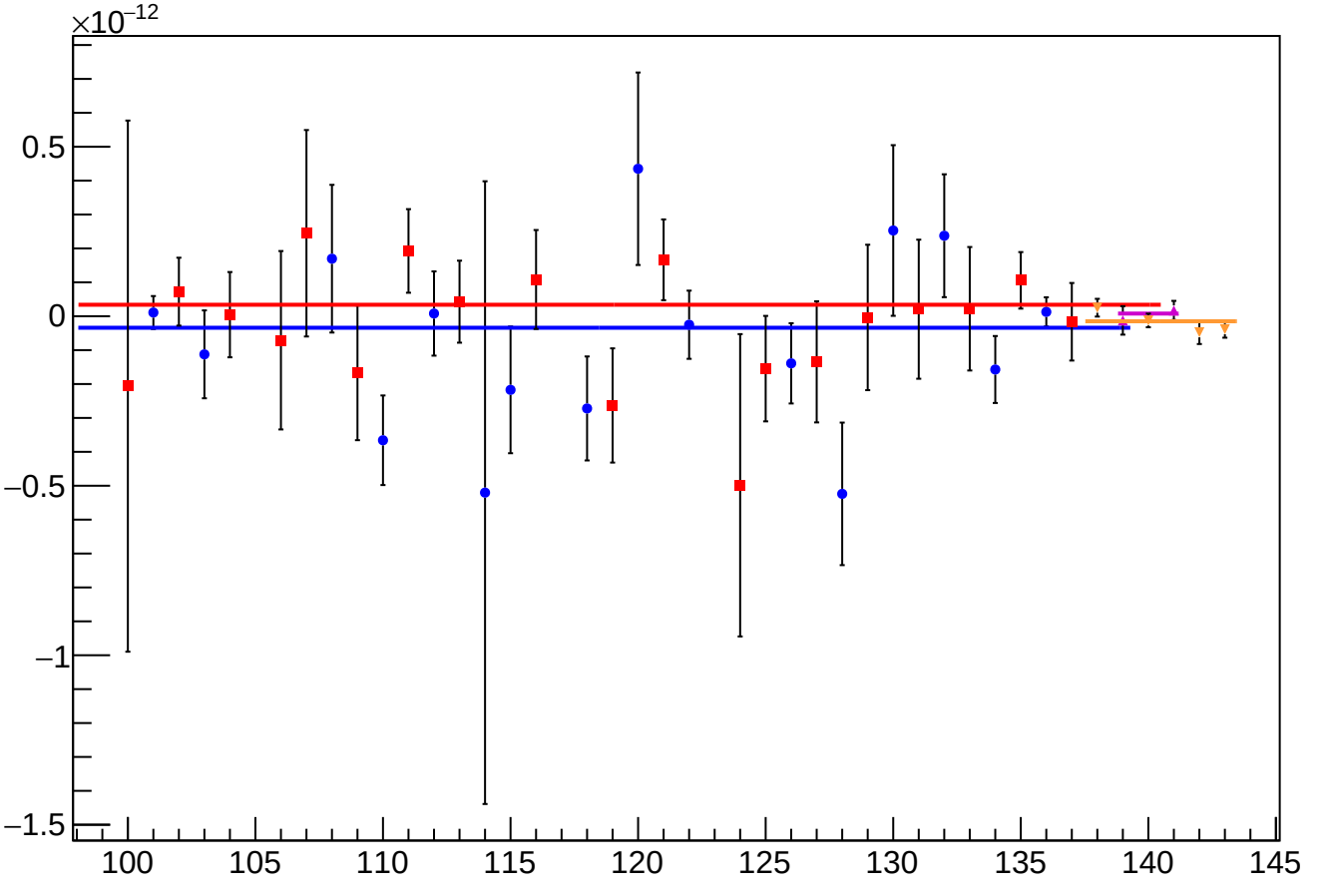
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 922.367+/-0.505 χ^2/NDF:100451.5/1

+ sign 1132.449+/-0.266 χ^2/NDF: 1881272.3/19

All: 1198.997+/-0.203 χ^2/NDF: 3514666.7/40

- sign 1292.251+/-0.315 χ^2/NDF: 1483237.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/3

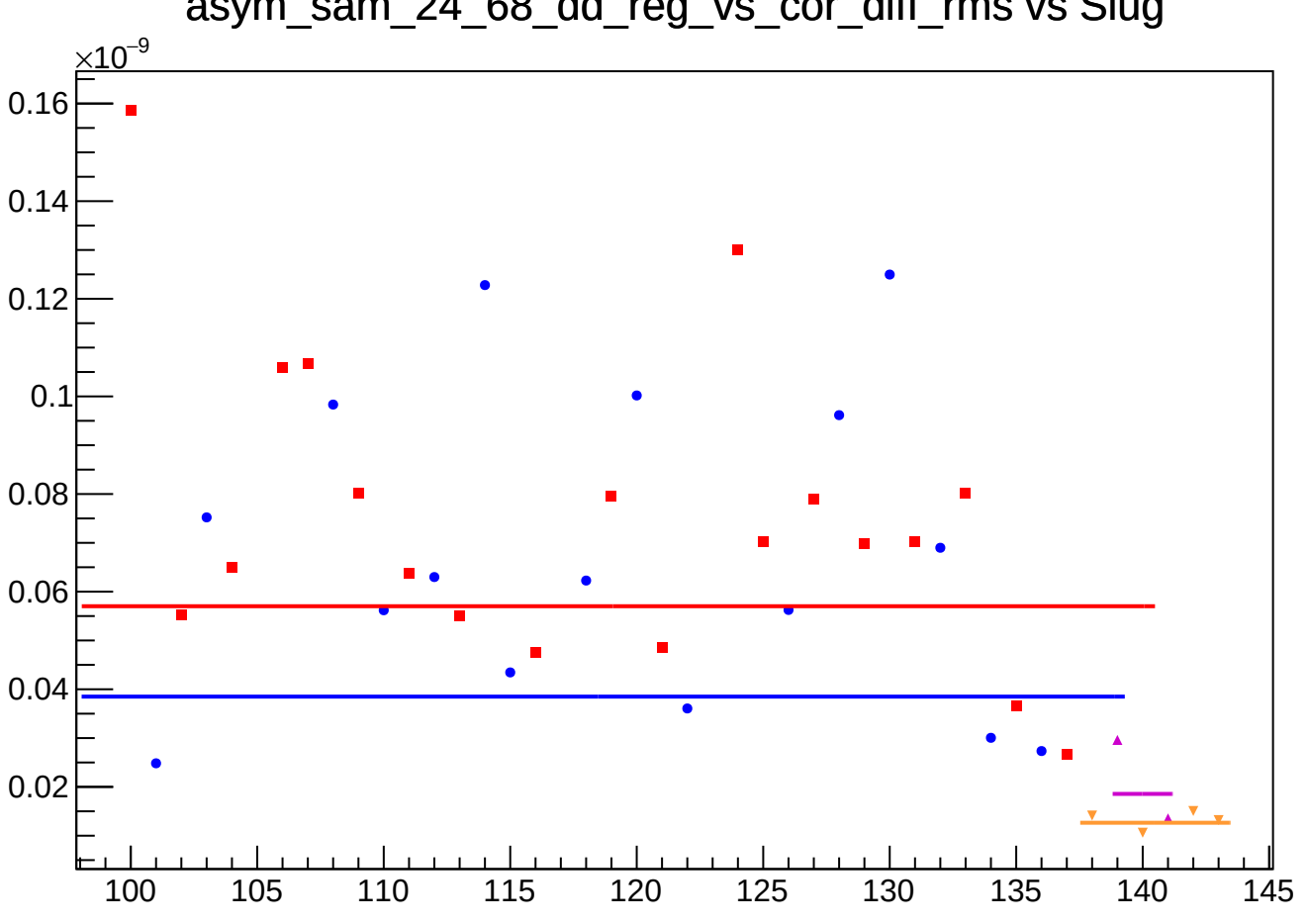
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/19

All: -0.000+/-0.000 χ^2/NDF: 48.2/40

- sign 0.000+/-0.000 χ^2/NDF: 13.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37480.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

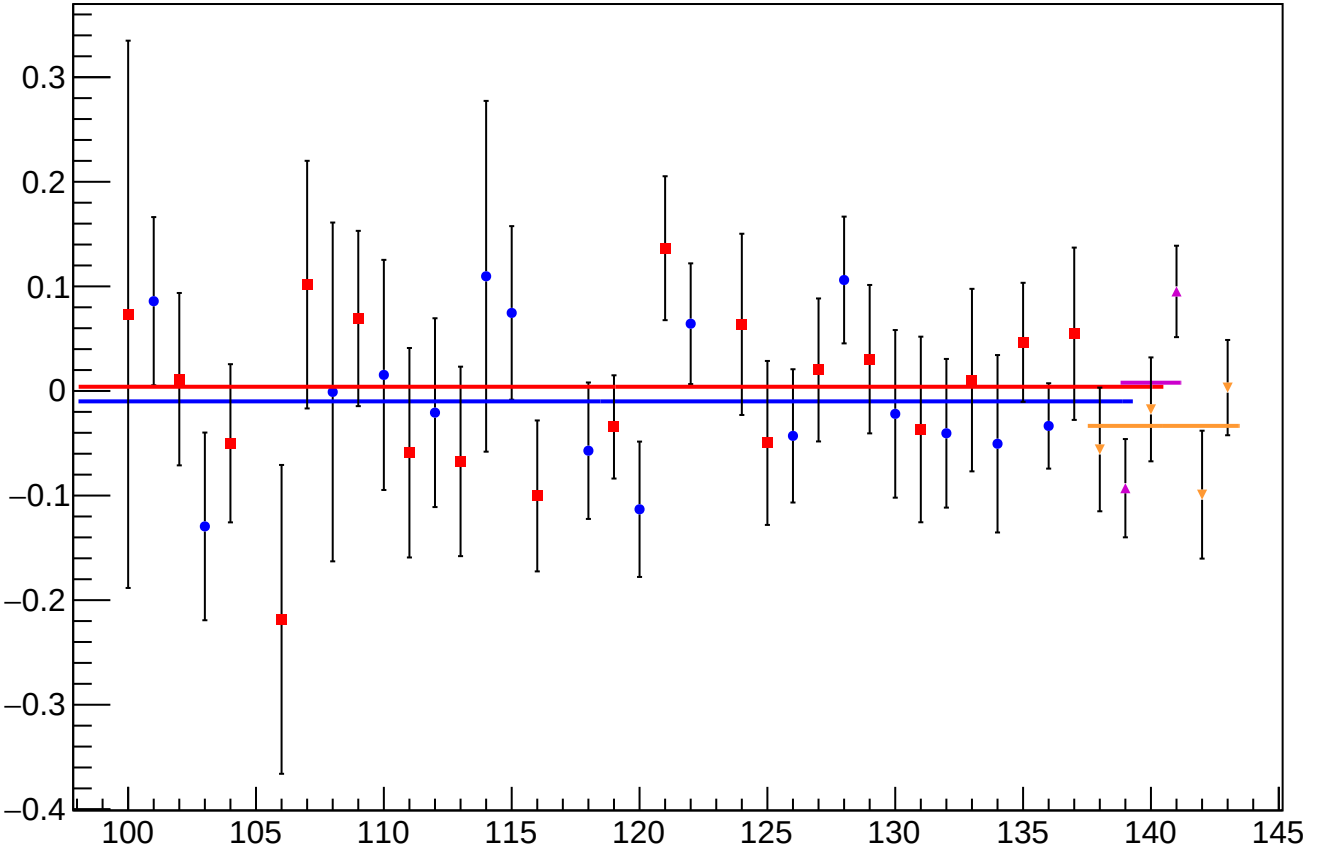
Left In: 0.000+/-0.000 χ^2/NDF:201382.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 3120837.5/19

All: 0.000+/-0.000 χ^2/NDF: 6433680.8/40

- sign 0.000+/-0.000 χ^2/NDF: 2608889.6/20

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

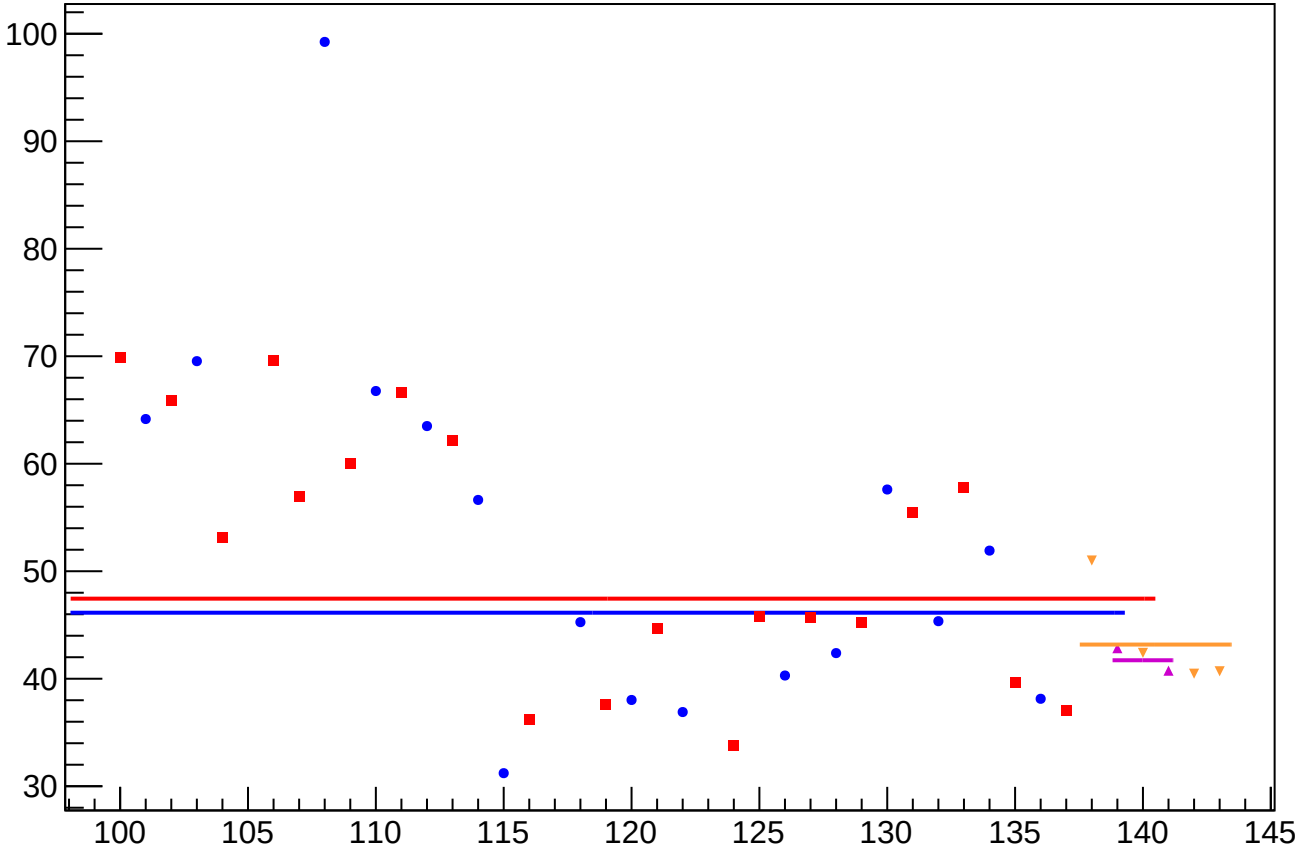
Left In: 0.008+/-0.032 χ^2/NDF:8.6/1

+ sign -0.017+/-0.015 χ^2/NDF: 16.8/19

All: -0.007+/-0.011 χ^2/NDF: 40.3/40

- sign 0.005+/-0.016 χ^2/NDF: 22.5/20

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 43.179+/-0.019 χ^2/NDF:45346.5/3

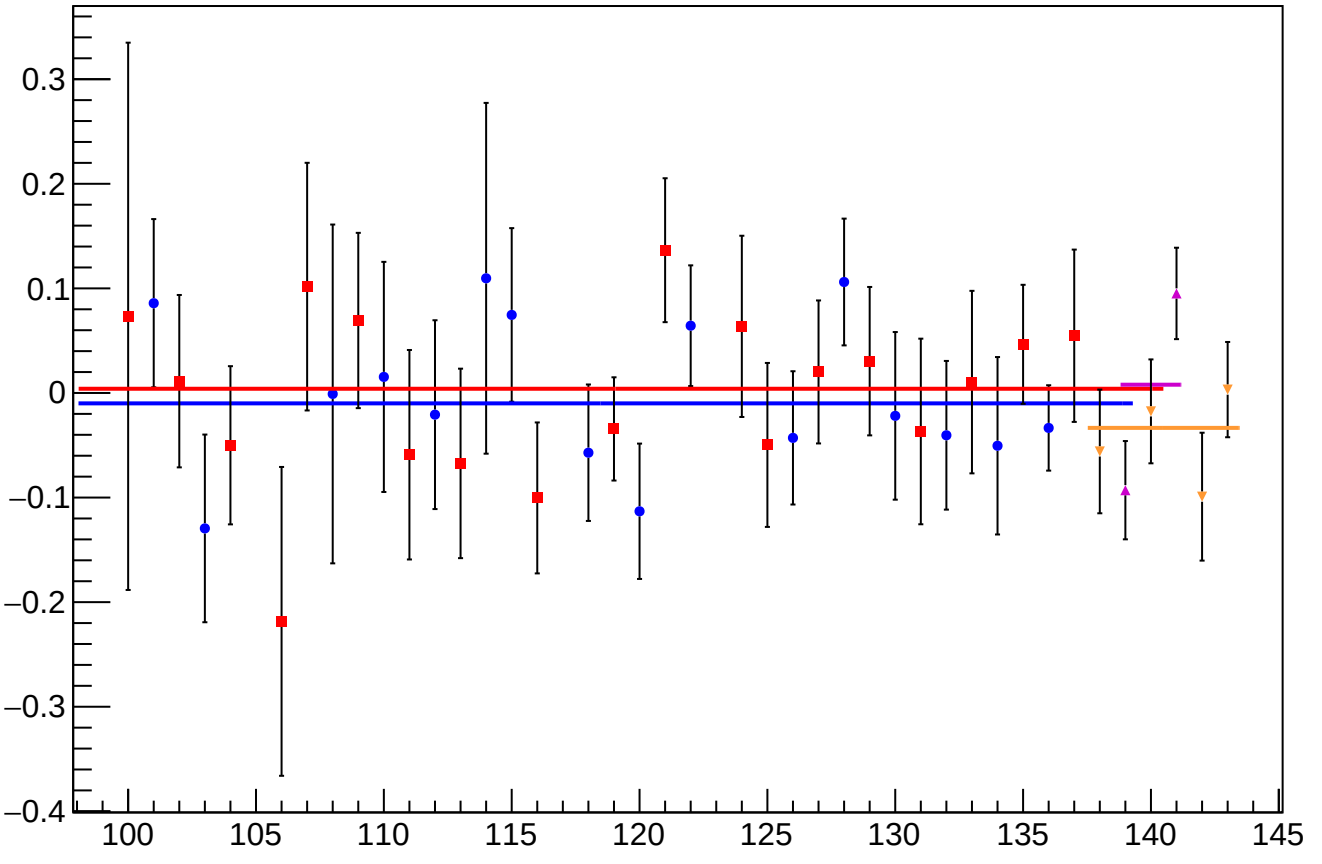
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 41.718+/-0.023 χ^2/NDF:2124.6/1

+ sign 45.199+/-0.011 χ^2/NDF: 965872.9/19

All: 45.605+/-0.008 χ^2/NDF: 1674477.1/40

- sign 46.061+/-0.011 χ^2/NDF: 705431.6/20



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

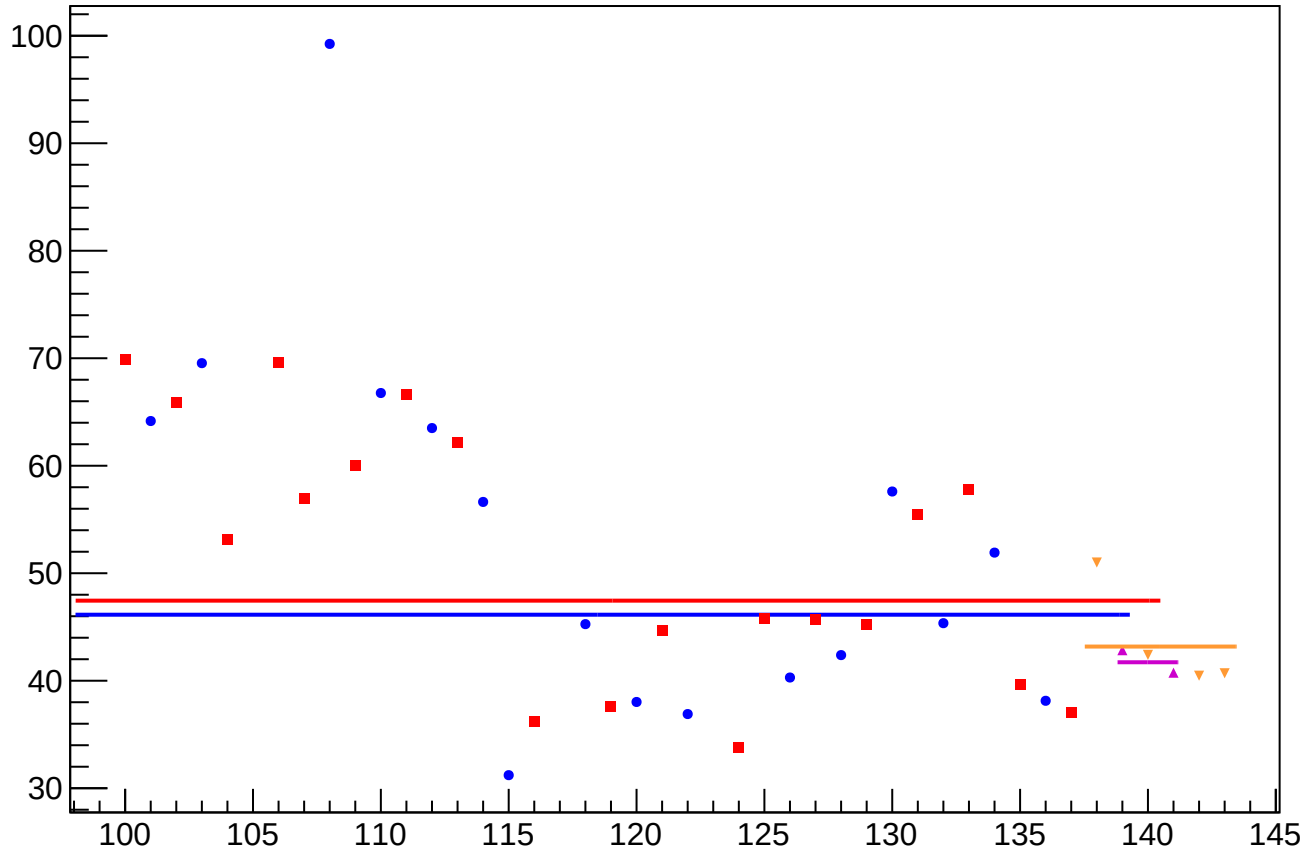
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.008+/-0.032 χ^2/NDF:8.6/1

+ sign -0.017+/-0.015 χ^2/NDF: 16.8/19

All: -0.007+/-0.011 χ^2/NDF: 40.3/40

- sign 0.005+/-0.016 χ^2/NDF: 22.5/20



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 43.179+/-0.019 χ^2/NDF:45346.5/3

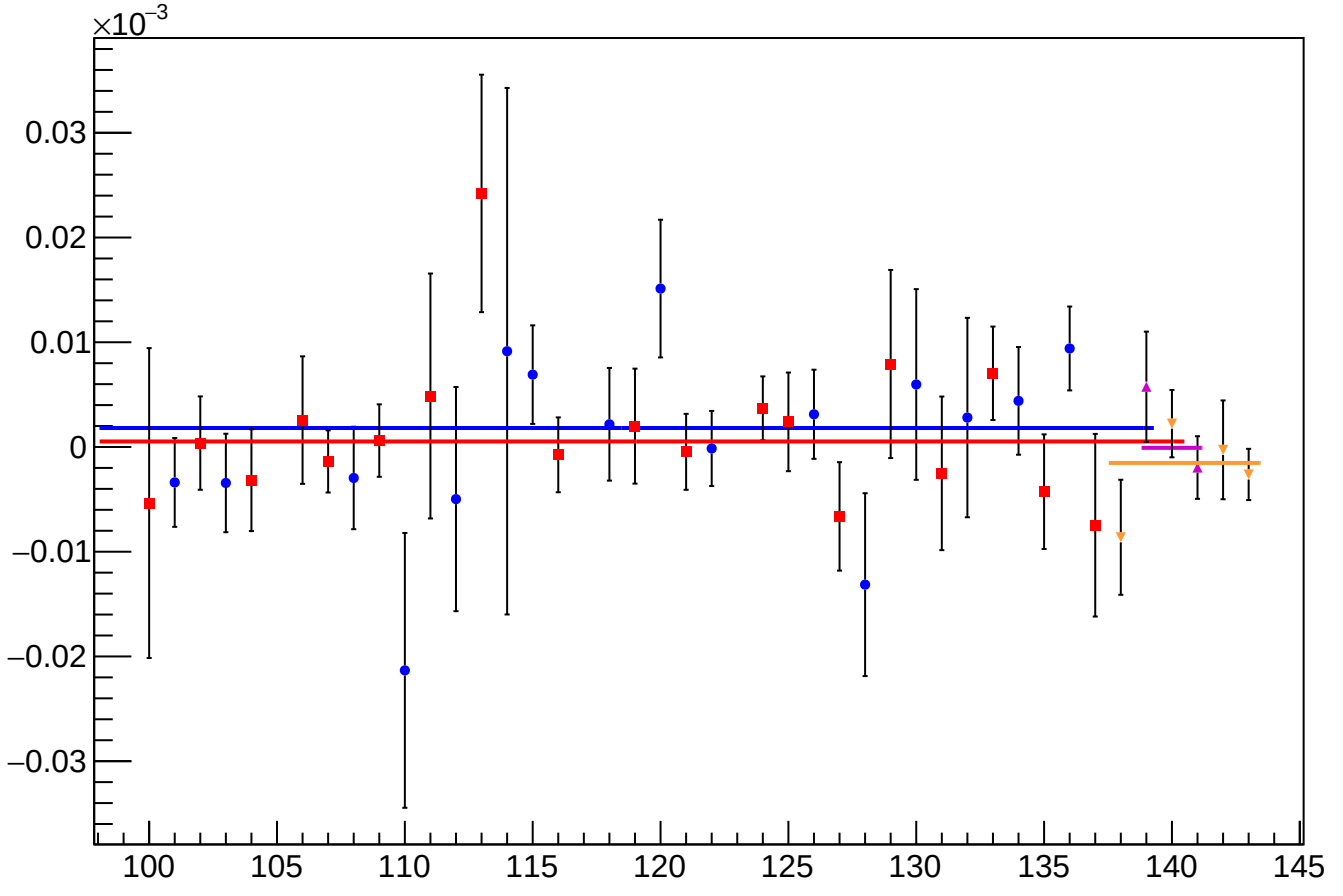
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 41.718+/-0.023 χ^2/NDF:2124.6/1

+ sign 45.199+/-0.011 χ^2/NDF: 965872.9/19

All: 45.605+/-0.008 χ^2/NDF: 1674477.1/40

- sign 46.061+/-0.011 χ^2/NDF: 705431.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/3

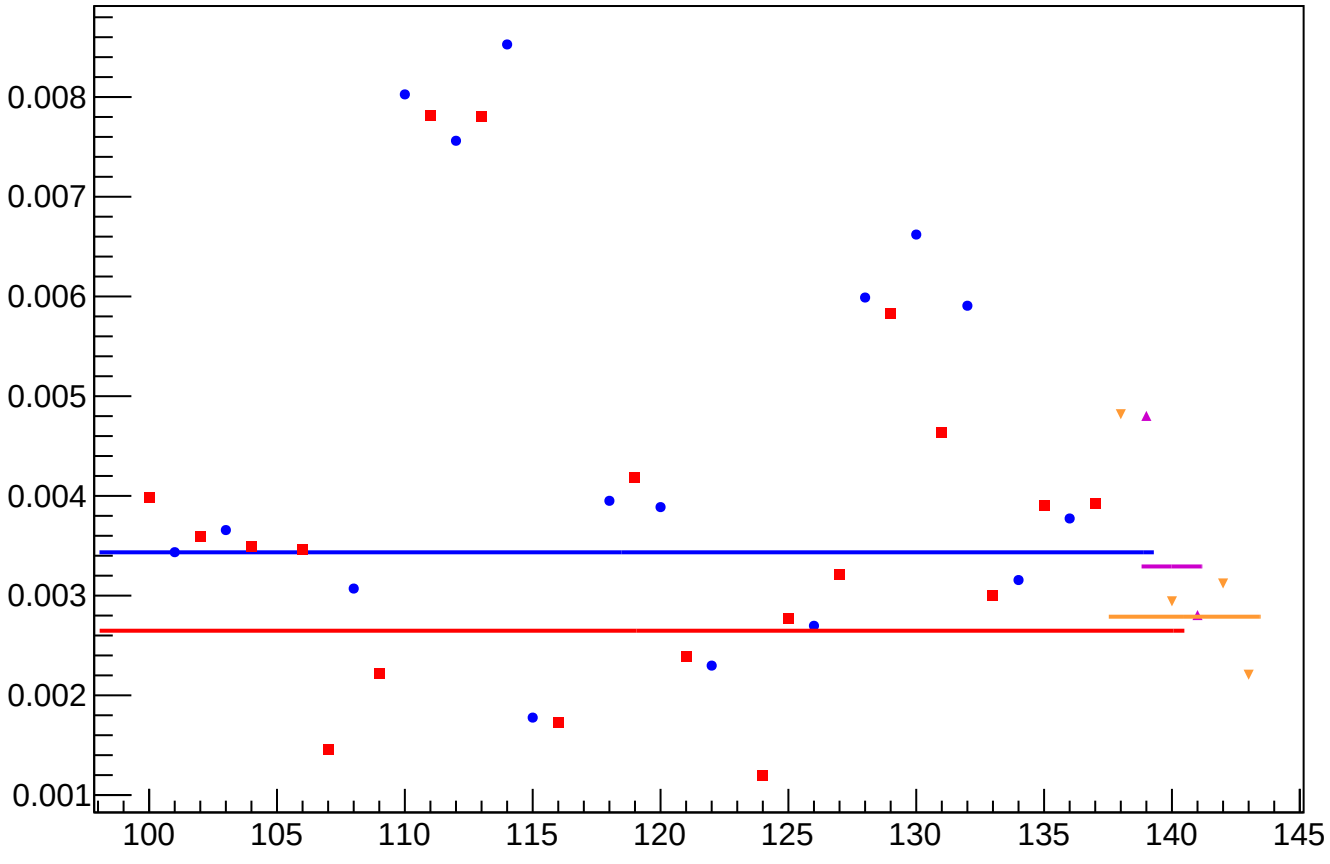
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 25.6/19

All: 0.000+/-0.000 χ^2/NDF: 41.0/40

- sign 0.000+/-0.000 χ^2/NDF: 15.4/20



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:400847.4/3

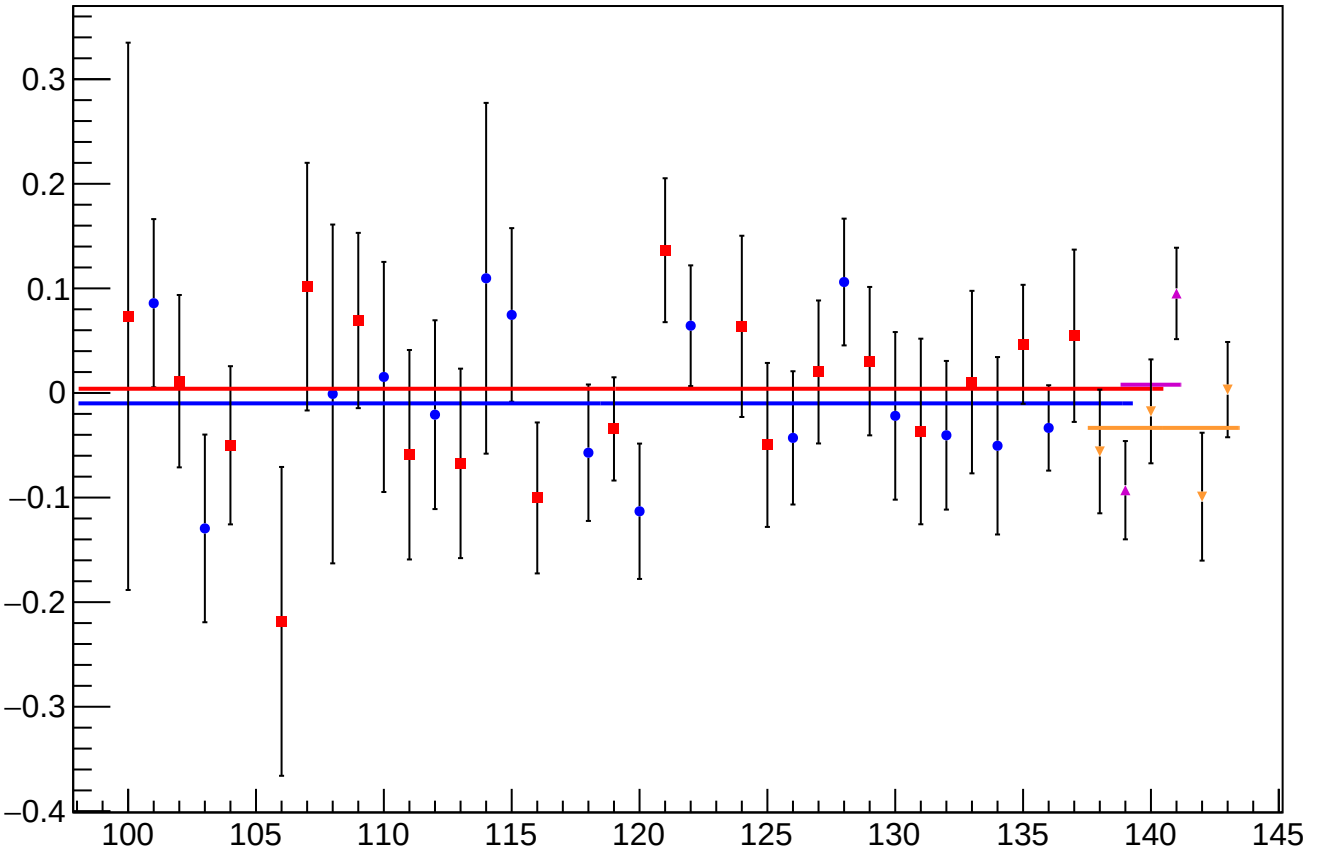
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:217959.7/1

+ sign 0.003+/-0.000 χ^2/NDF: 2322797.7/19

All: 0.003+/-0.000 χ^2/NDF: 5519430.3/40

- sign 0.003+/-0.000 χ^2/NDF: 3019454.6/20



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

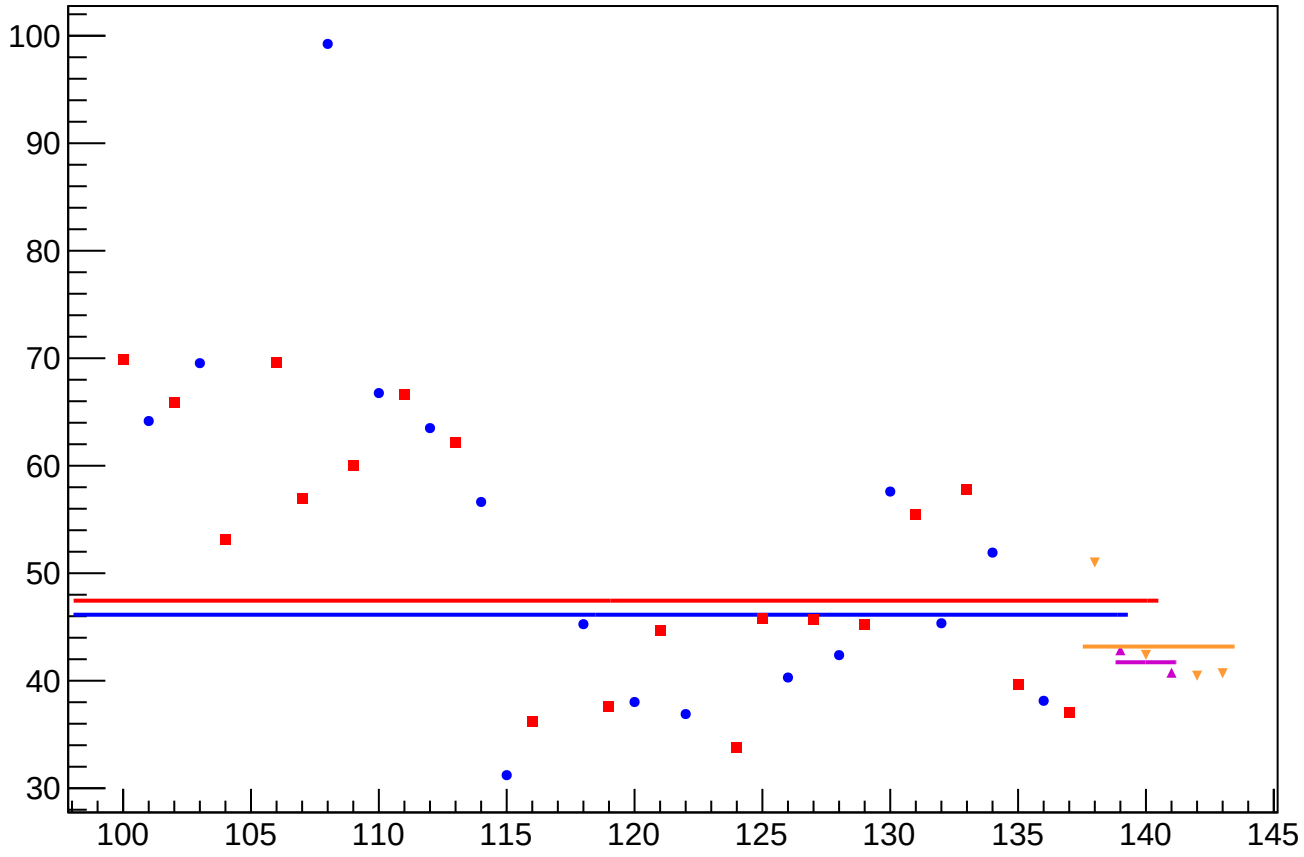
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.008+/-0.032 χ^2/NDF:8.6/1

+ sign -0.017+/-0.015 χ^2/NDF: 16.8/19

All: -0.007+/-0.011 χ^2/NDF: 40.3/40

- sign 0.005+/-0.016 χ^2/NDF: 22.5/20



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 43.179+/-0.019 χ^2/NDF:45334.7/3

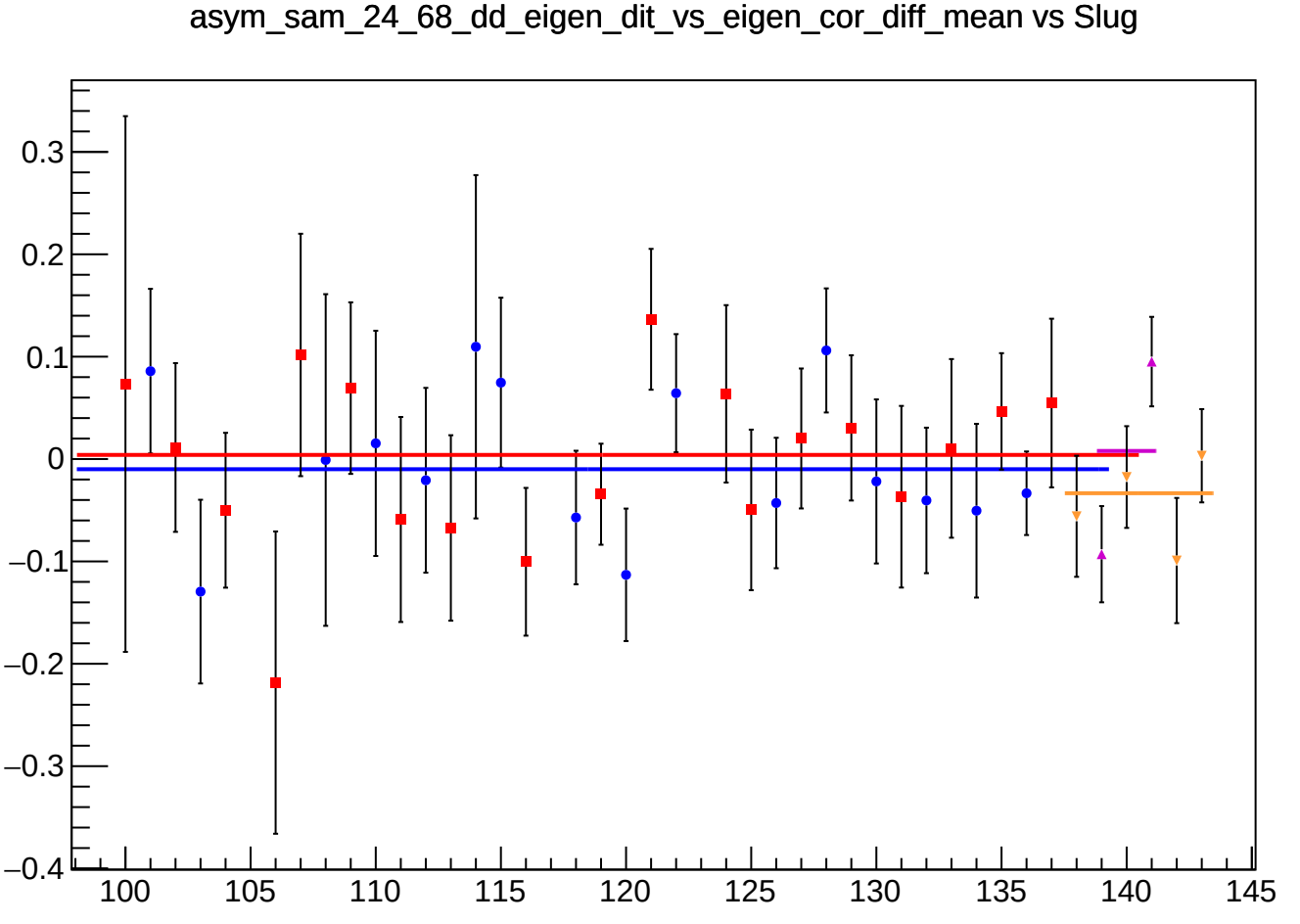
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 41.718+/-0.023 χ^2/NDF:2122.4/1

+ sign 45.198+/-0.011 χ^2/NDF: 965812.3/19

All: 45.604+/-0.008 χ^2/NDF: 1674394.2/40

- sign 46.060+/-0.011 χ^2/NDF: 705409.1/20



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

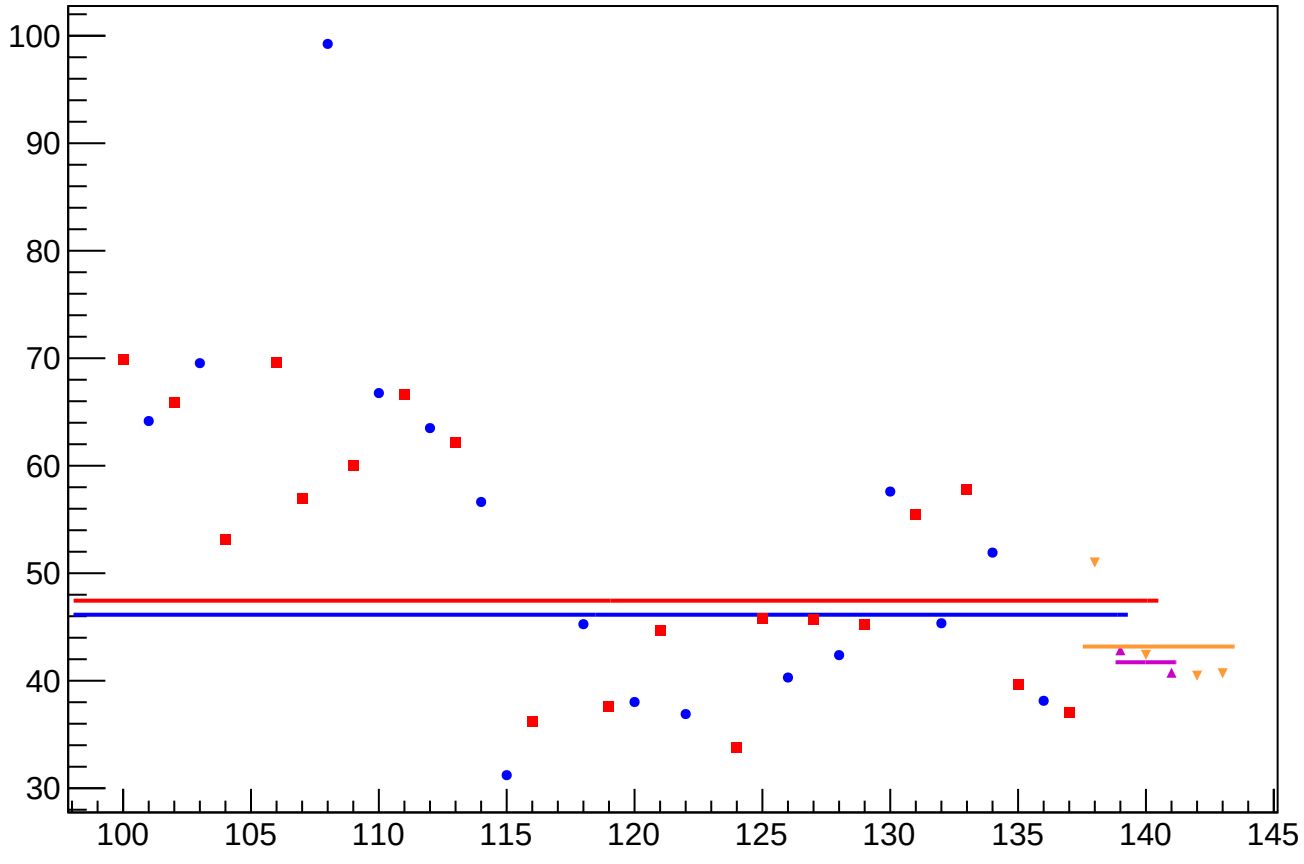
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.008+/-0.032 χ^2/NDF:8.6/1

+ sign -0.017+/-0.015 χ^2/NDF: 16.8/19

All: -0.007+/-0.011 χ^2/NDF: 40.3/40

- sign 0.005+/-0.016 χ^2/NDF: 22.5/20



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 43.179+/-0.019 χ^2/NDF:45334.7/3

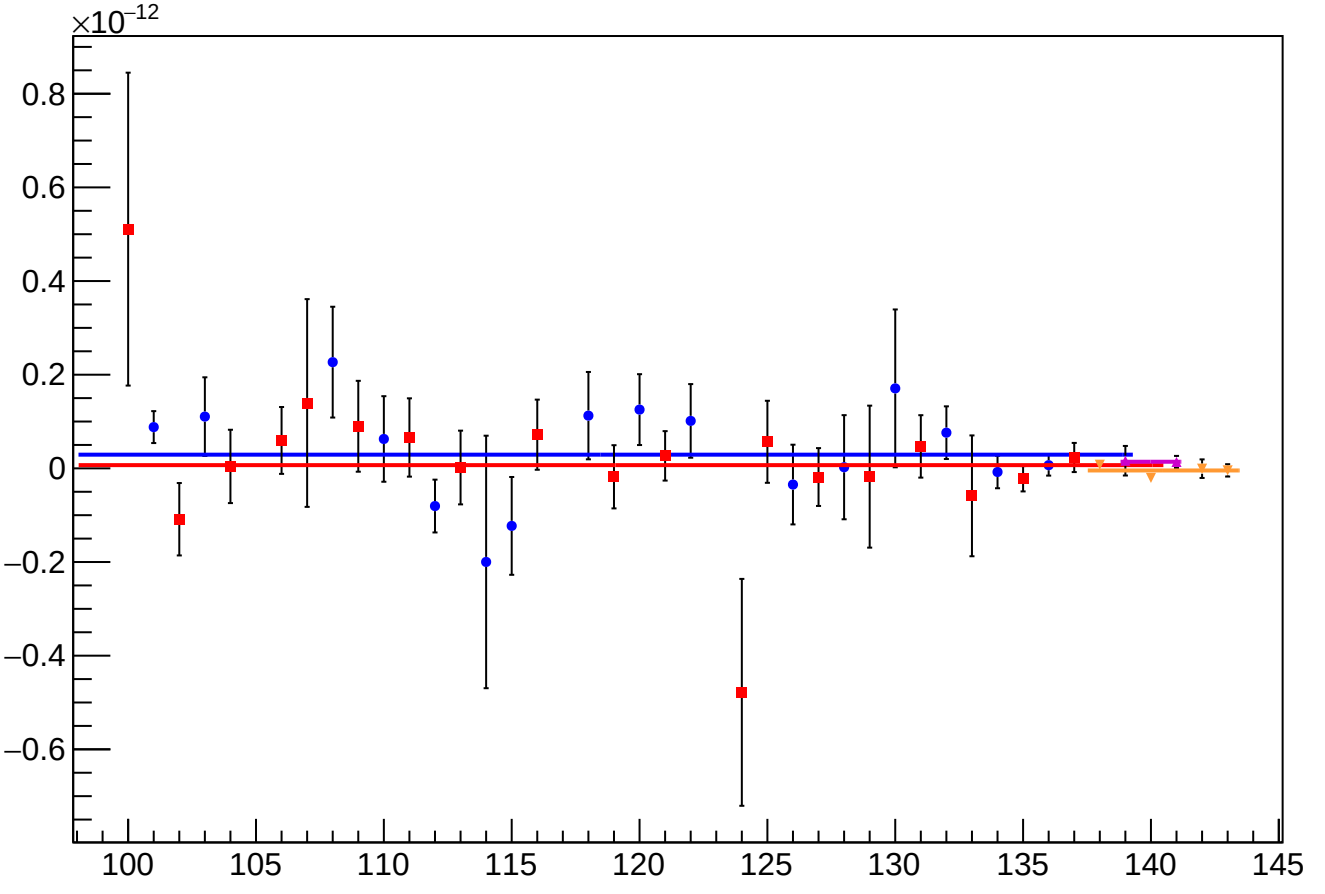
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 41.718+/-0.023 χ^2/NDF:2122.4/1

+ sign 45.198+/-0.011 χ^2/NDF: 965812.3/19

All: 45.604+/-0.008 χ^2/NDF: 1674394.2/40

- sign 46.060+/-0.011 χ^2/NDF: 705409.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

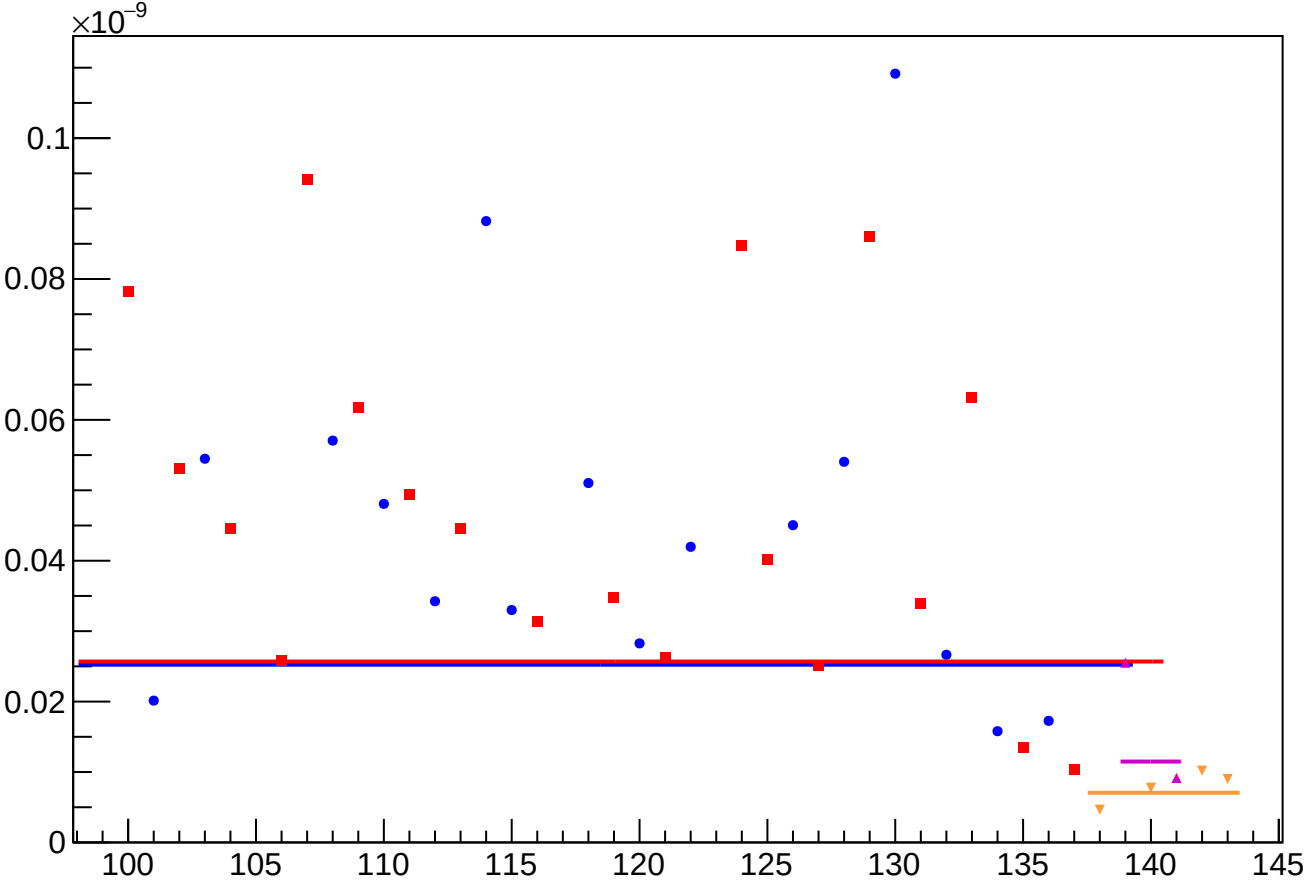
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/19

All: 0.000+/-0.000 χ^2/NDF: 45.3/40

- sign 0.000+/-0.000 χ^2/NDF: 14.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:226109.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

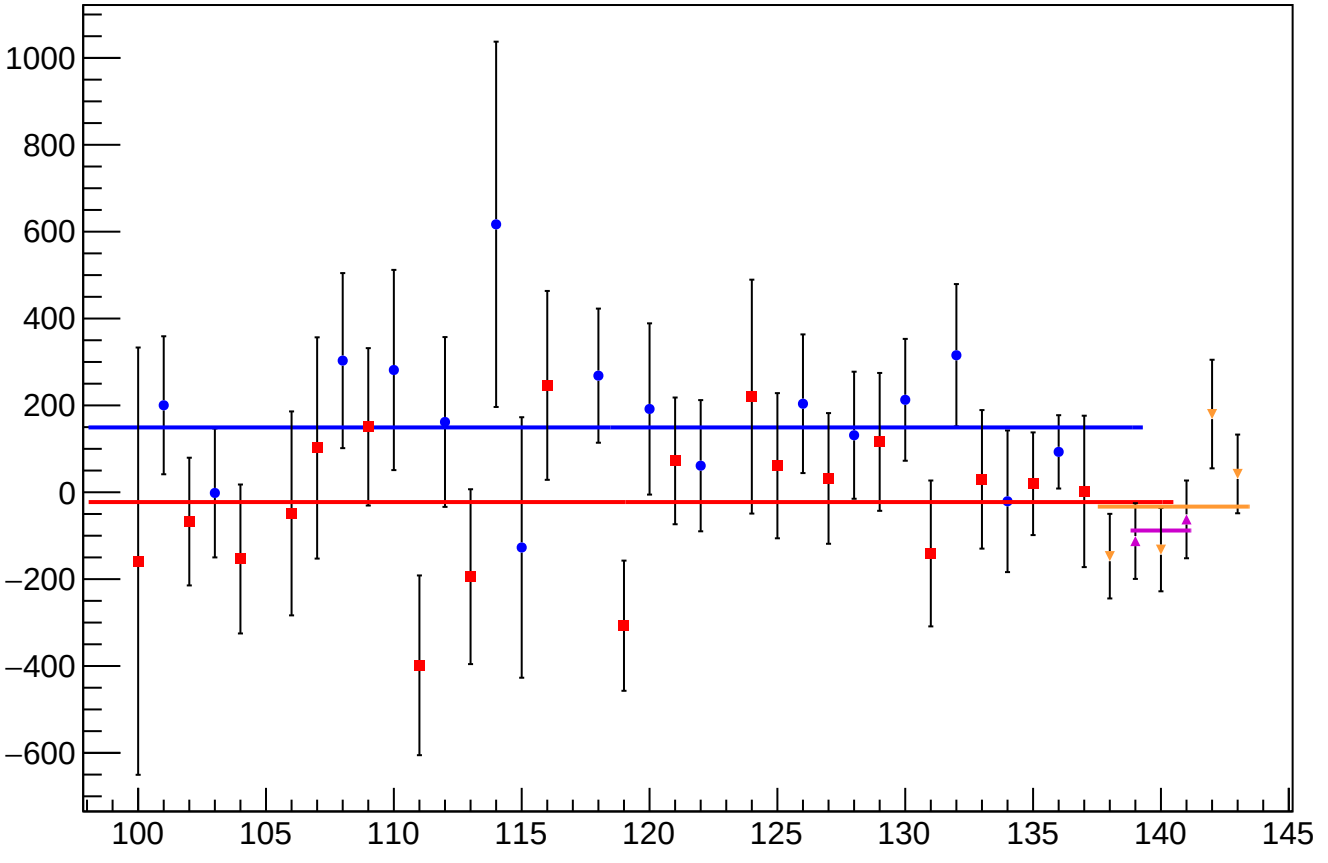
Left In: 0.000+/-0.000 χ^2/NDF:461482.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 5368673.3/19

All: 0.000+/-0.000 χ^2/NDF: 10700894.7/40

- sign 0.000+/-0.000 χ^2/NDF: 4413903.5/20

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.016+/-49.996 χ^2/NDF:6.0/3

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

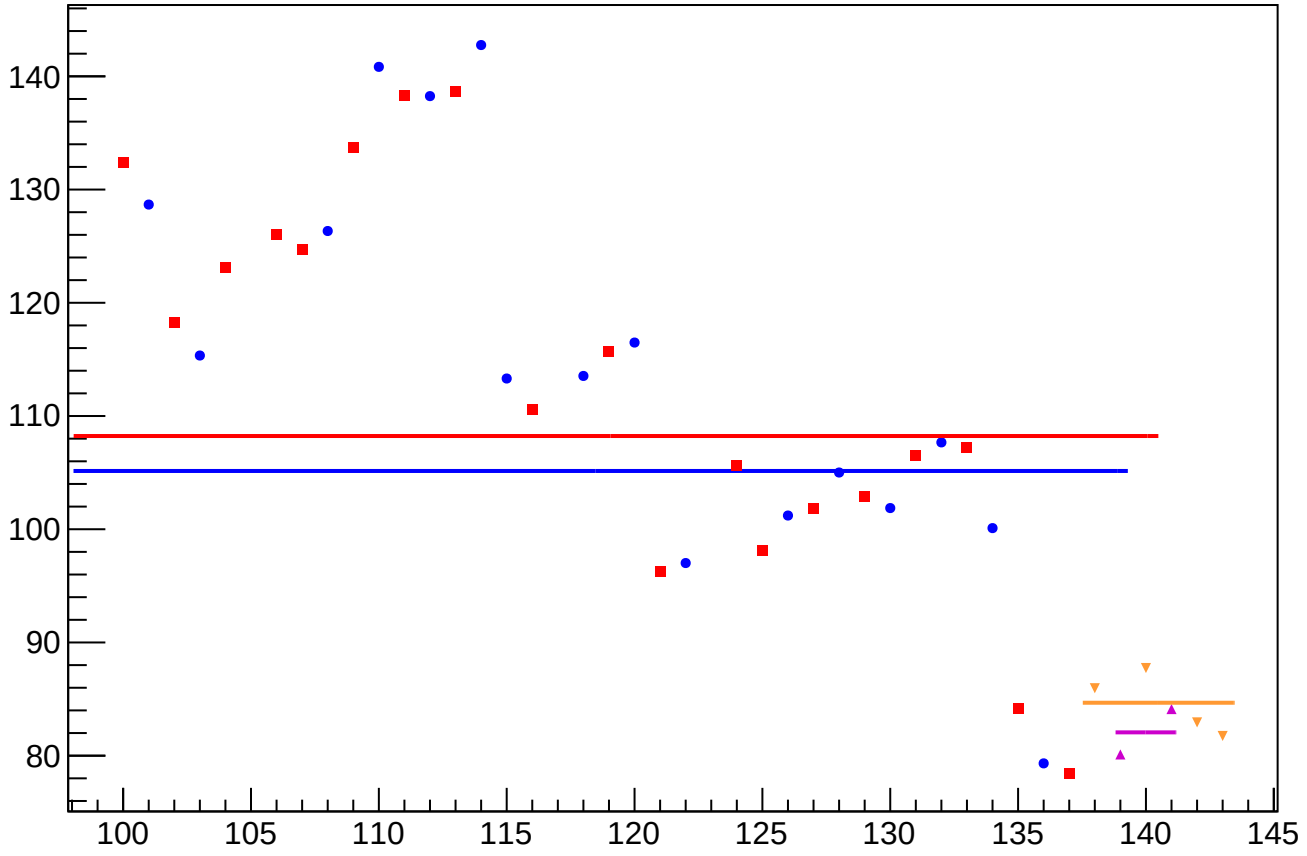
Left In: -88.060+/-62.441 χ^2/NDF:0.2/1

+ sign 78.828+/-31.084 χ^2/NDF: 22.2/19

All: 23.506+/-22.862 χ^2/NDF: 44.3/40

- sign -41.679+/-33.741 χ^2/NDF: 15.2/20

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

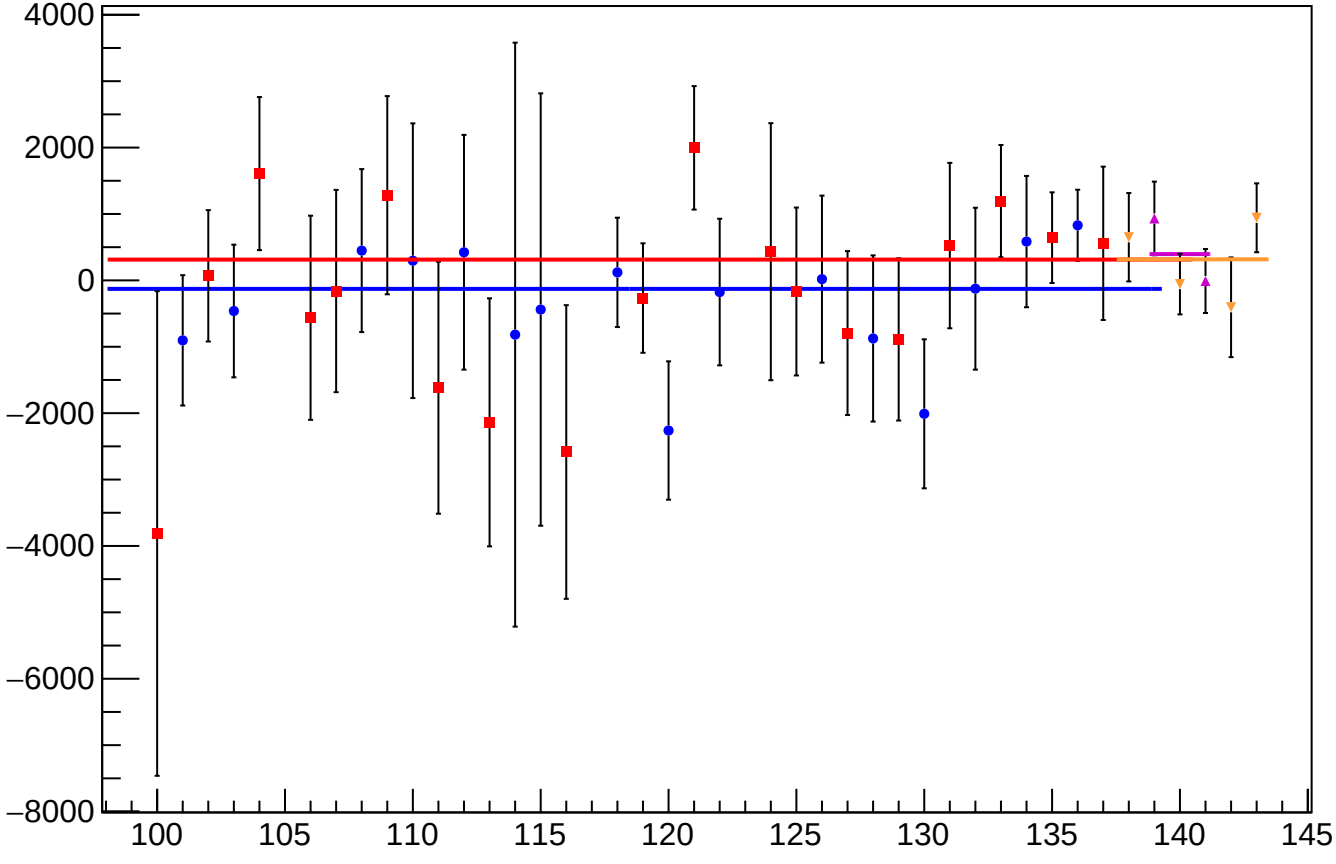
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 82.061+/-0.044 χ^2/NDF:2058.5/1

+ sign 97.234+/-0.022 χ^2/NDF: 618941.0/19

All: 98.775+/-0.016 χ^2/NDF: 1230416.0/40

- sign 100.590+/-0.024 χ^2/NDF: 600769.1/20



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 316.883+/-282.271 χ^2/NDF:3.3/3

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

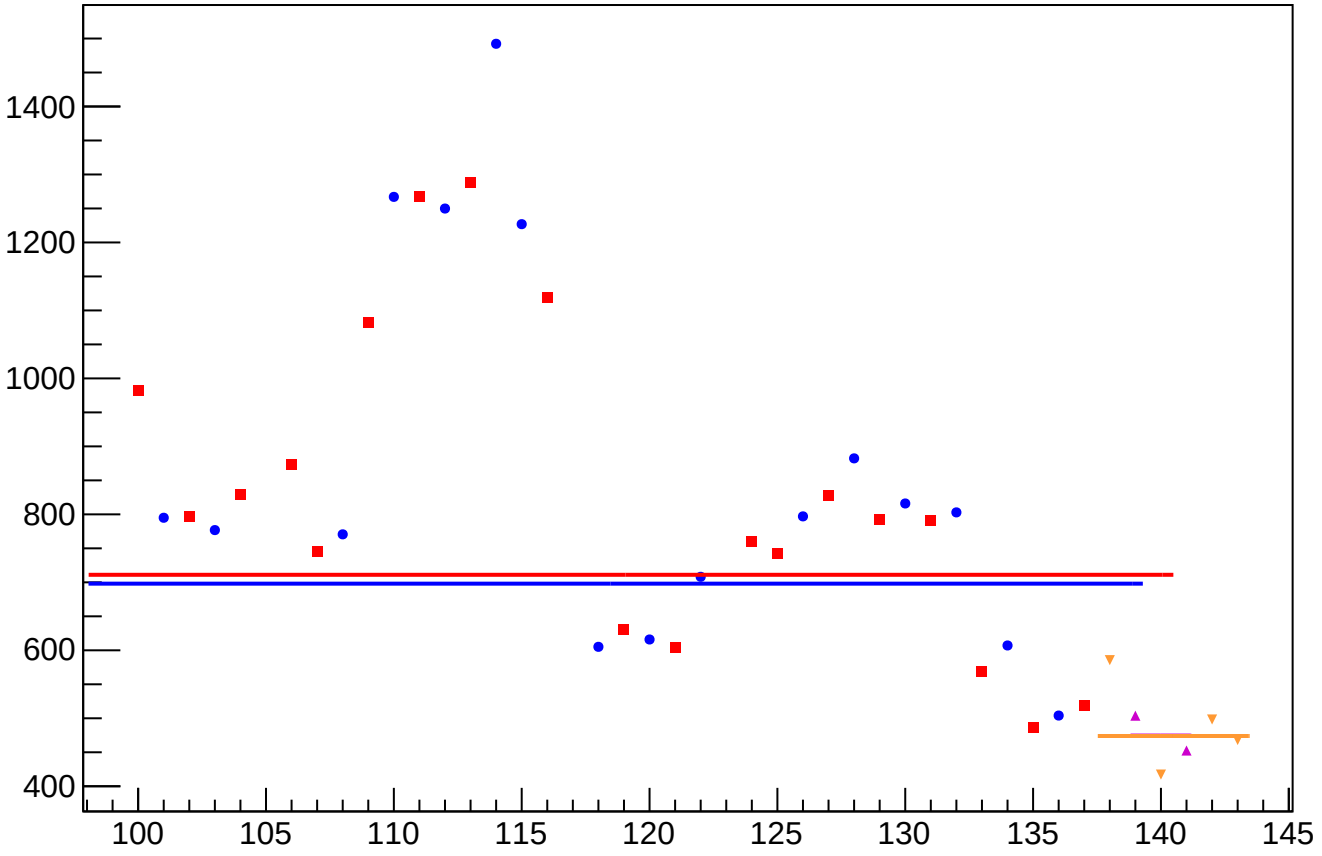
Left In: 395.803+/-363.642 χ^2/NDF:1.6/1

+ sign 83.387+/-194.587 χ^2/NDF: 16.9/19

All: 198.950+/-144.826 χ^2/NDF: 34.4/40

- sign 342.465+/-216.847 χ^2/NDF: 16.7/20

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 473.944+/-0.200 χ^2/NDF:89513.1/3

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

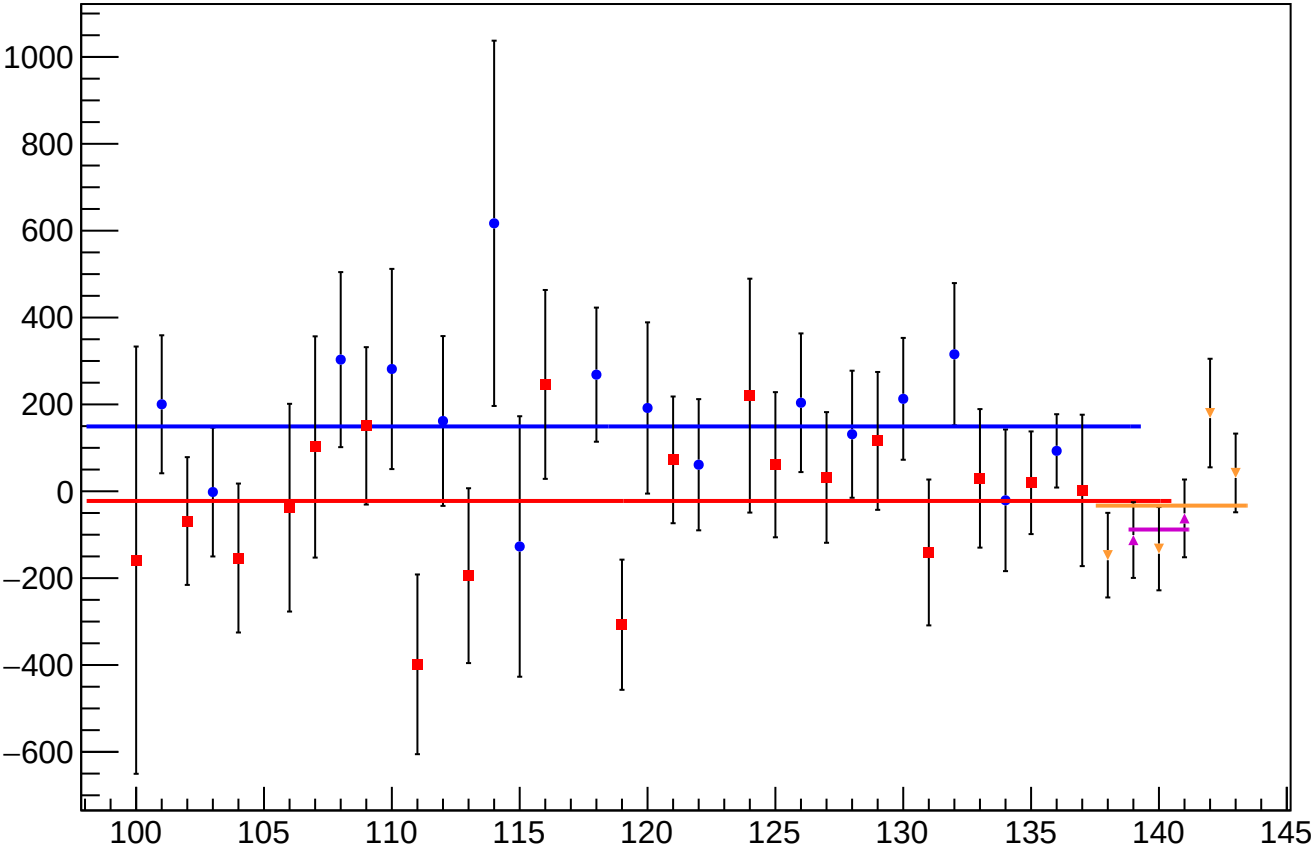
Left In: 474.623+/-0.257 χ^2/NDF:9742.9/1

+ sign 591.553+/-0.138 χ^2/NDF: 1663973.4/19

All: 607.365+/-0.102 χ^2/NDF: 3283410.5/40

- sign 627.002+/-0.153 χ^2/NDF: 1589830.2/20

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.022+/-49.996 χ^2/NDF:6.0/3

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

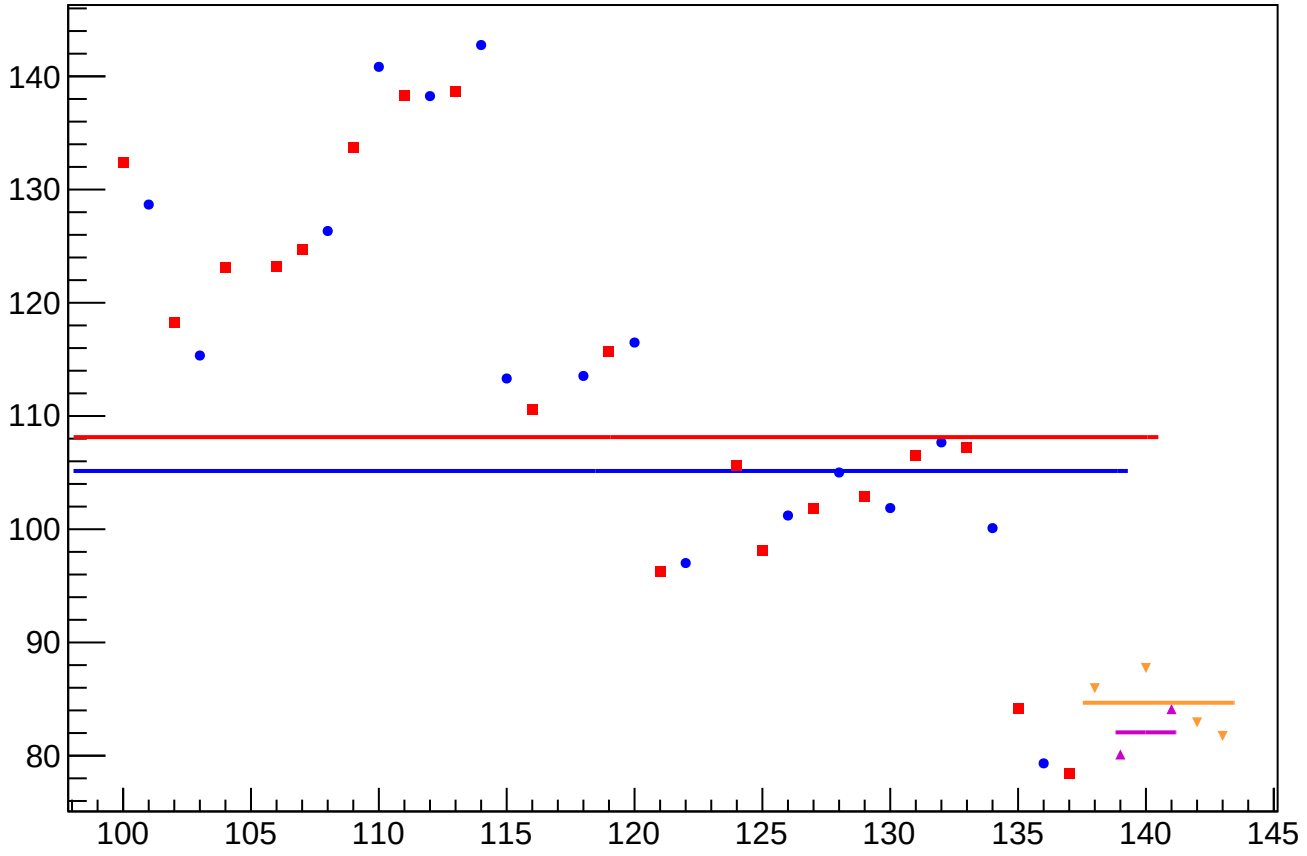
Left In: -88.063+/-62.441 χ^2/NDF:0.2/1

+ sign 78.820+/-31.084 χ^2/NDF: 22.2/19

All: 23.600+/-22.866 χ^2/NDF: 44.2/40

- sign -41.516+/-33.755 χ^2/NDF: 15.2/20

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

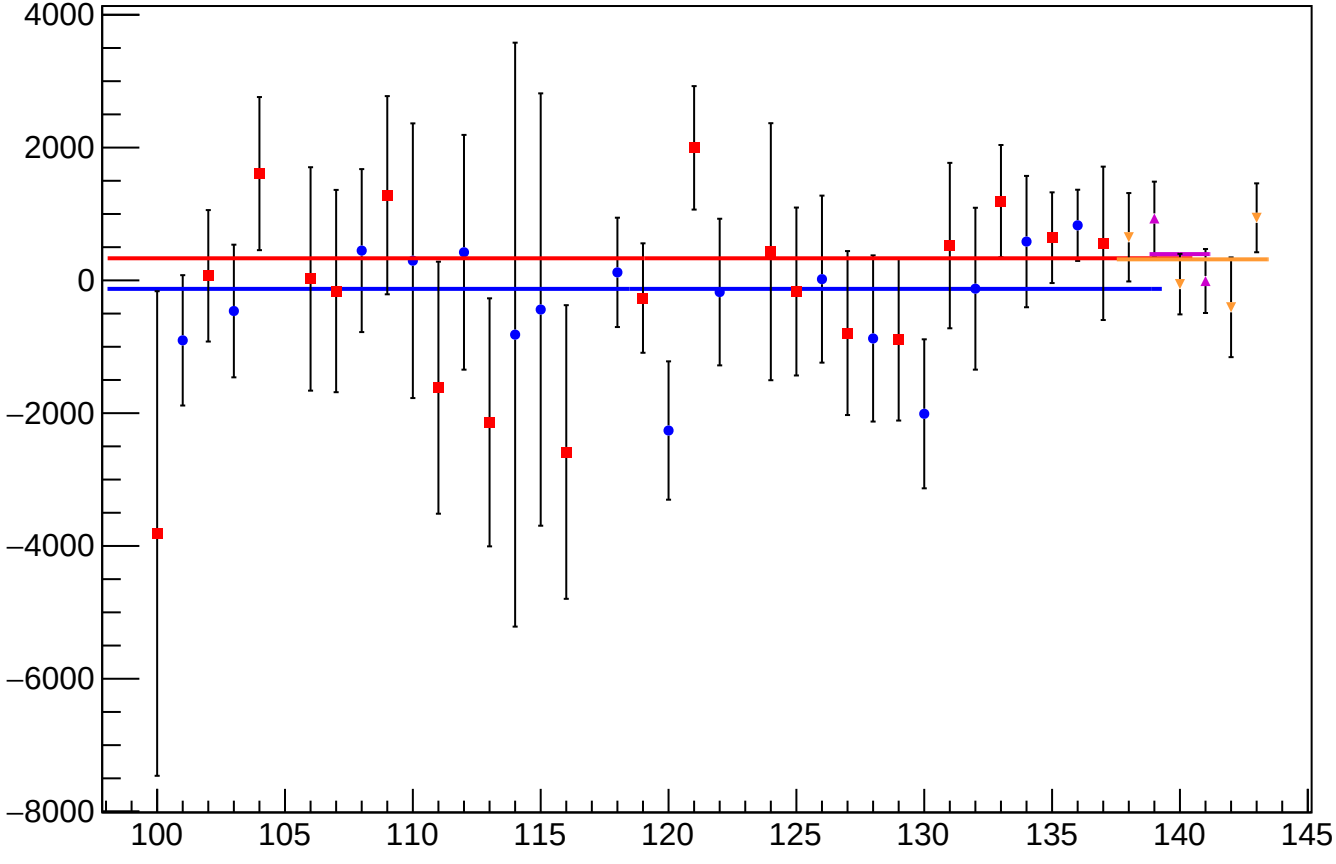
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 82.061+/-0.044 χ^2/NDF:2058.5/1

+ sign 97.234+/-0.022 χ^2/NDF: 618941.3/19

All: 98.740+/-0.016 χ^2/NDF: 1224421.3/40

- sign 100.516+/-0.024 χ^2/NDF: 595246.4/20



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 316.873+/-282.271 χ^2/NDF:3.3/3

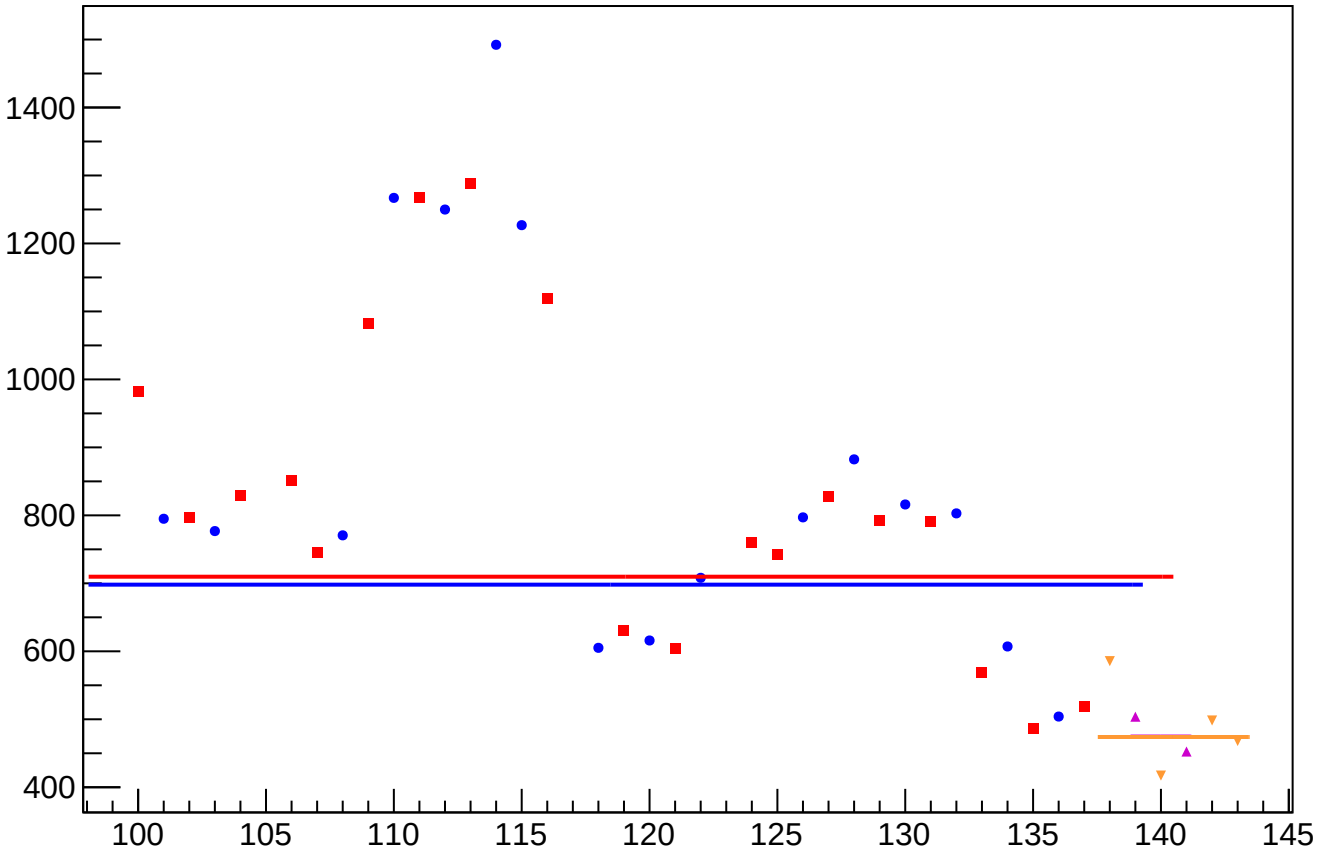
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 395.806+/-363.642 χ^2/NDF:1.6/1

+ sign 83.388+/-194.587 χ^2/NDF: 16.9/19

All: 204.403+/-144.934 χ^2/NDF: 34.1/40

- sign 355.193+/-217.211 χ^2/NDF: 16.4/20



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 473.944+/-0.200 χ^2/NDF:89512.7/3

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

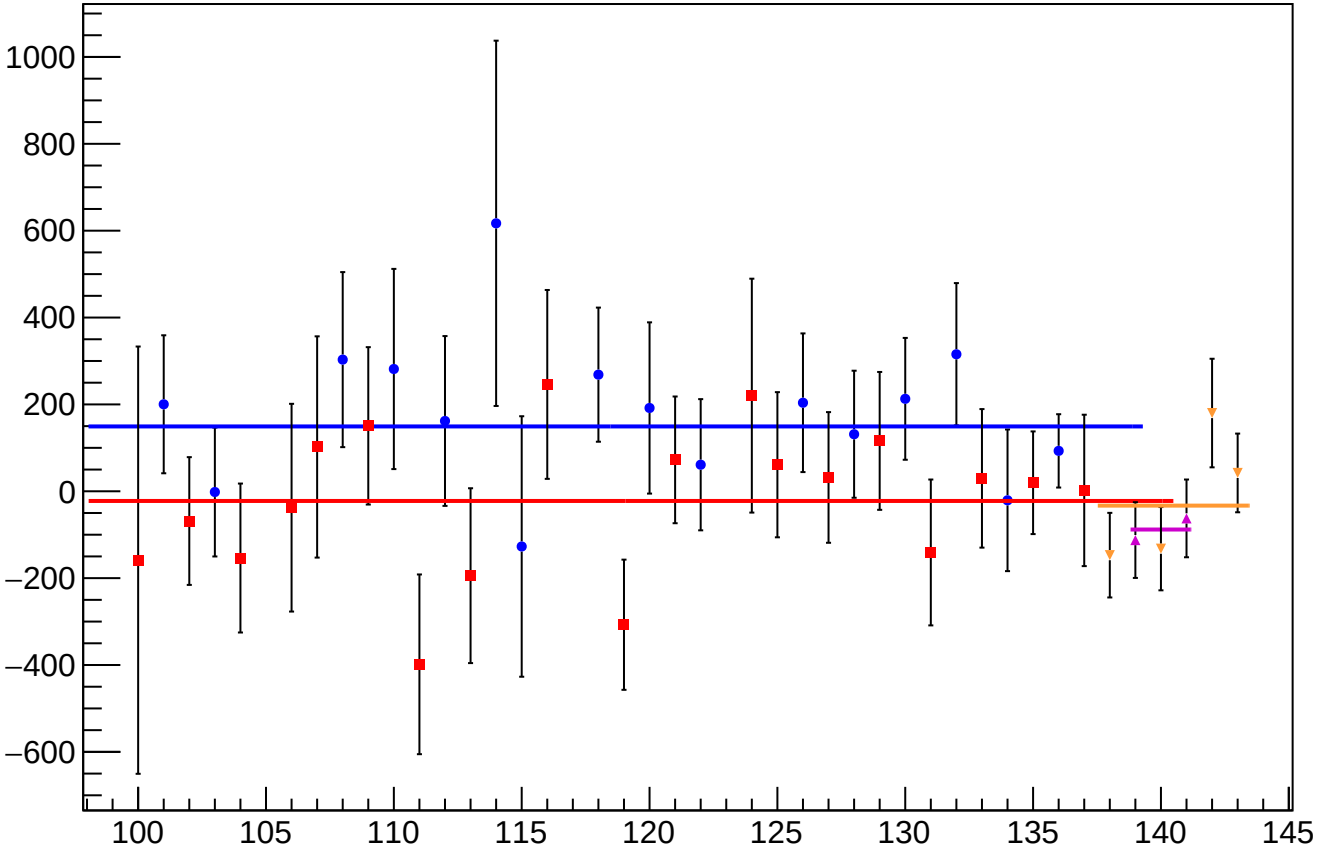
Left In: 474.624+/-0.257 χ^2/NDF:9742.6/1

+ sign 591.553+/-0.138 χ^2/NDF: 1663983.6/19

All: 606.826+/-0.102 χ^2/NDF: 3266328.5/40

- sign 625.858+/-0.154 χ^2/NDF: 1574669.8/20

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.022+/-49.996 χ^2/NDF:6.0/3

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

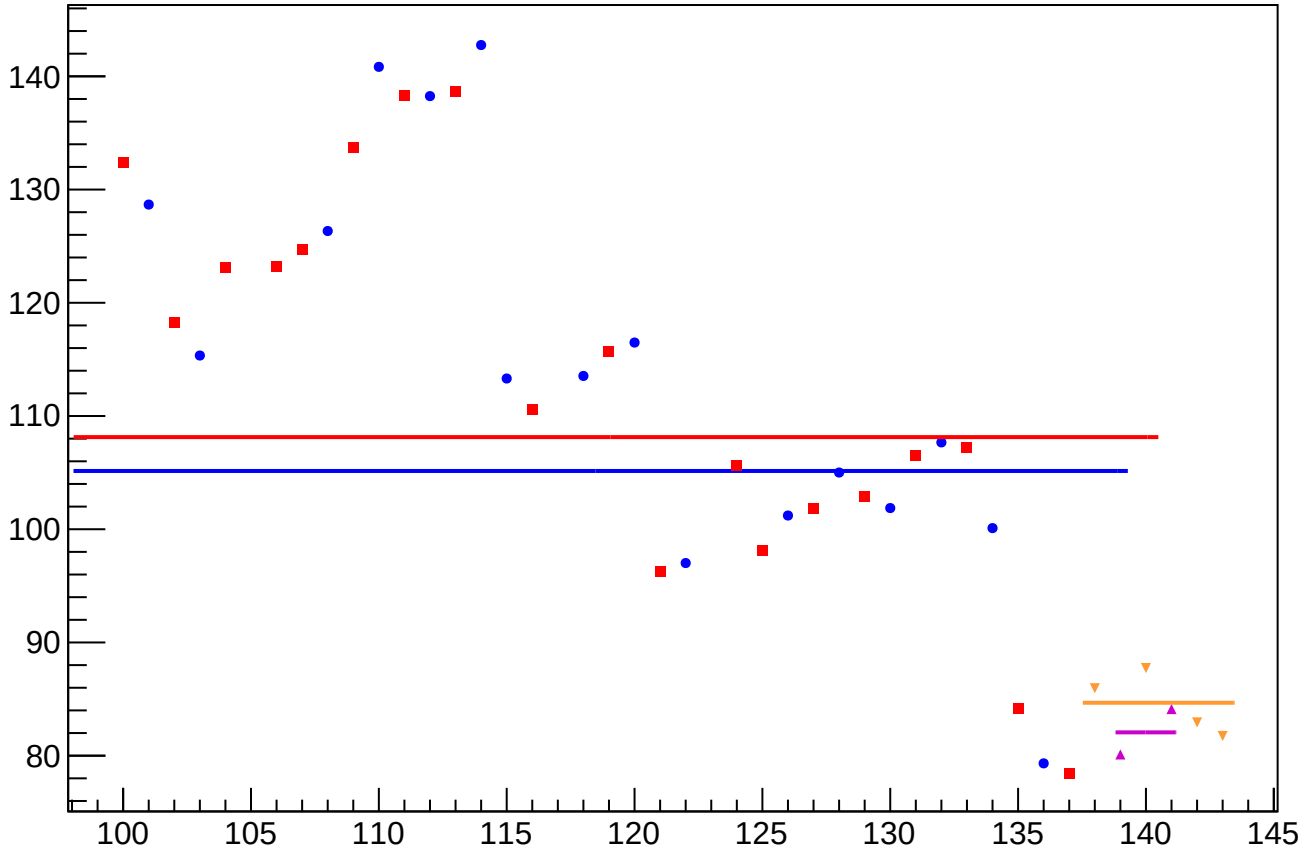
Left In: -88.063+/-62.441 χ^2/NDF:0.2/1

+ sign 78.820+/-31.084 χ^2/NDF: 22.2/19

All: 23.600+/-22.866 χ^2/NDF: 44.2/40

- sign -41.516+/-33.755 χ^2/NDF: 15.2/20

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

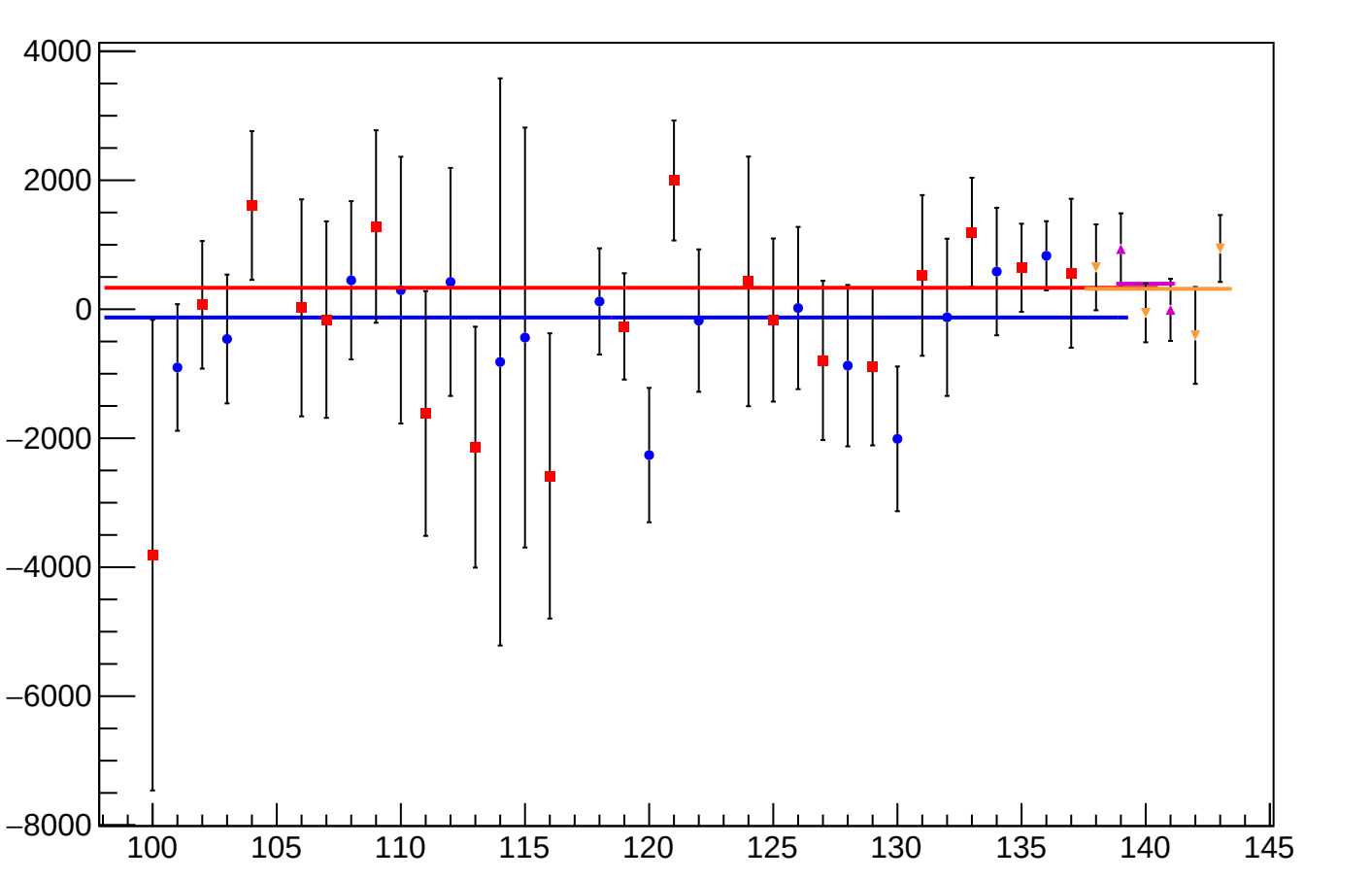
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 82.061+/-0.044 χ^2/NDF:2058.5/1

+ sign 97.234+/-0.022 χ^2/NDF: 618941.3/19

All: 98.740+/-0.016 χ^2/NDF: 1224421.3/40

- sign 100.516+/-0.024 χ^2/NDF: 595246.4/20



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 316.873+/-282.271 χ^2/NDF:3.3/3

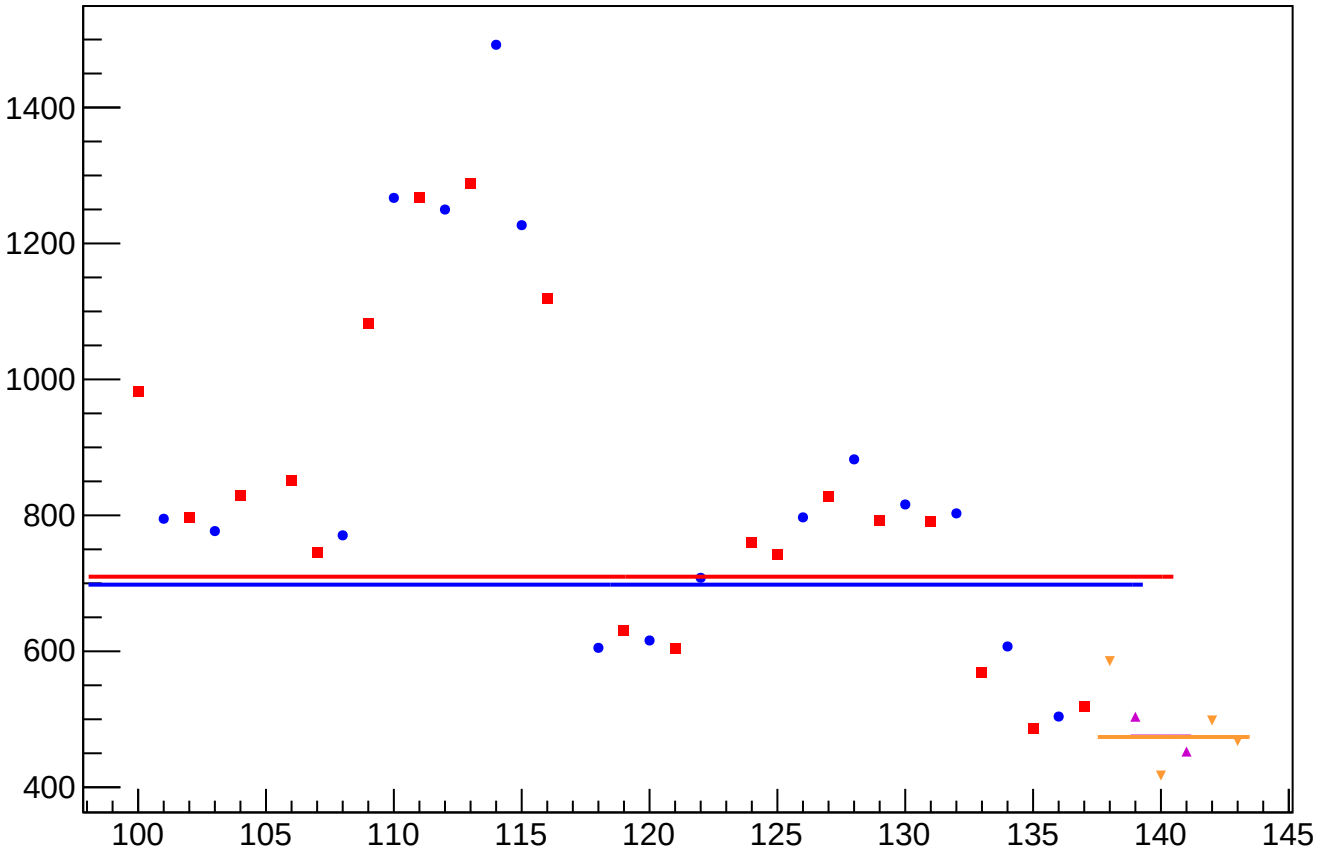
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 395.806+/-363.642 χ^2/NDF:1.6/1

+ sign 83.388+/-194.587 χ^2/NDF: 16.9/19

All: 204.403+/-144.934 χ^2/NDF: 34.1/40

- sign 355.193+/-217.211 χ^2/NDF: 16.4/20



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 473.944+/-0.200 χ^2/NDF:89512.7/3

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

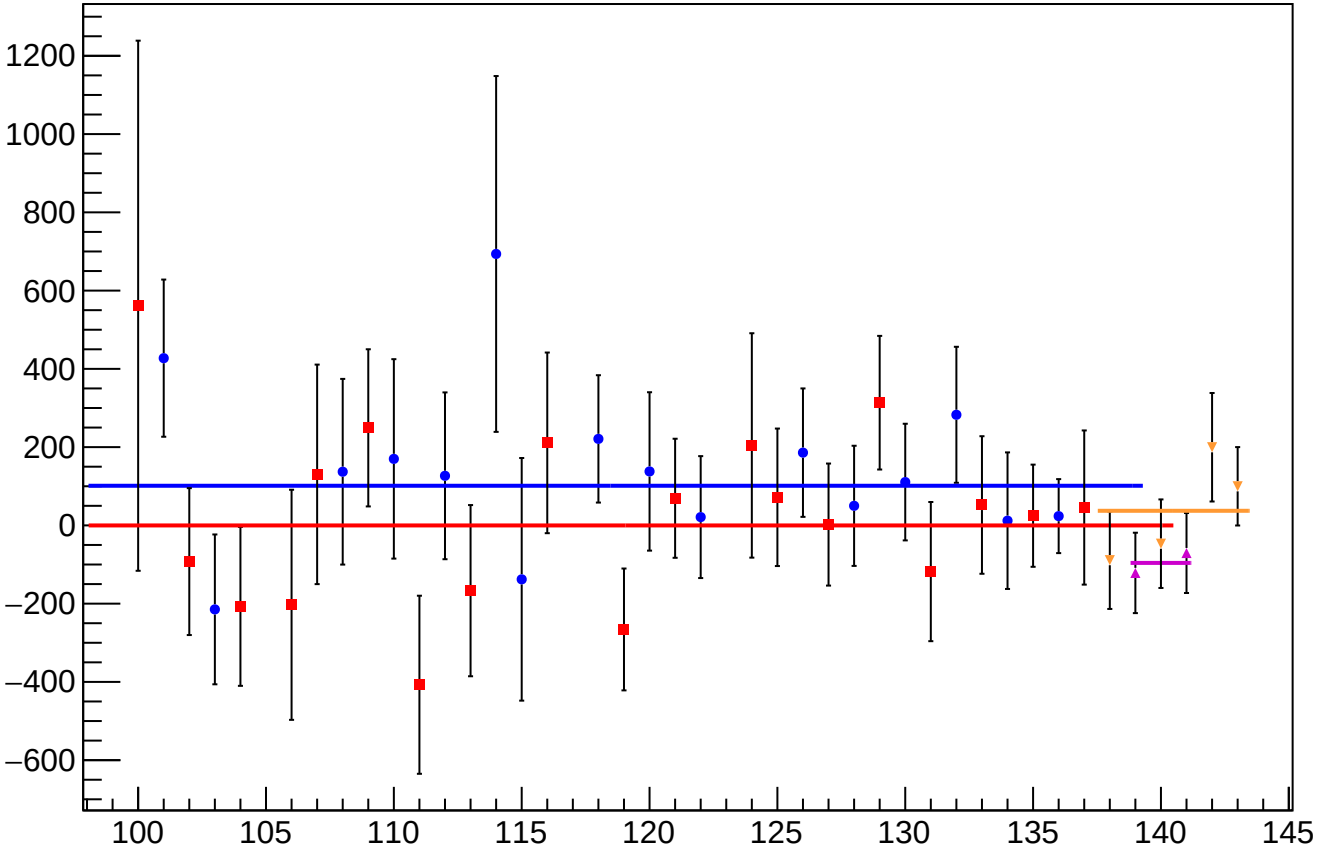
Left In: 474.624+/-0.257 χ^2/NDF:9742.6/1

+ sign 591.553+/-0.138 χ^2/NDF: 1663983.6/19

All: 606.826+/-0.102 χ^2/NDF: 3266328.5/40

- sign 625.858+/-0.154 χ^2/NDF: 1574669.8/20

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 37.301+/-58.308 χ^2/NDF:3.3/3

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

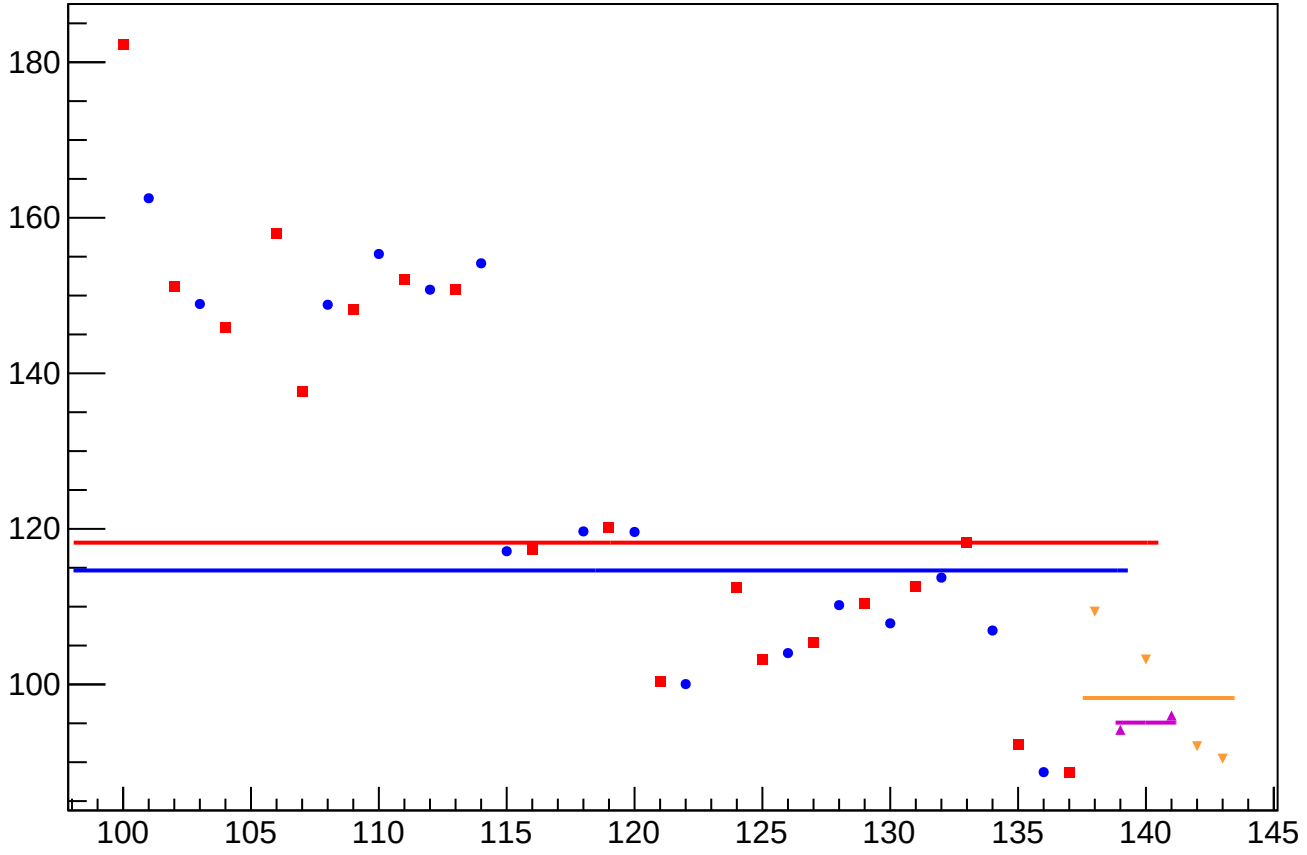
Left In: -95.898+/-72.449 χ^2/NDF:0.1/1

+ sign 78.398+/-34.871 χ^2/NDF: 15.1/19

All: 30.183+/-25.577 χ^2/NDF: 37.3/40

- sign -25.961+/-37.629 χ^2/NDF: 18.0/20

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 98.254+/-0.041 χ^2/NDF:35829.4/3

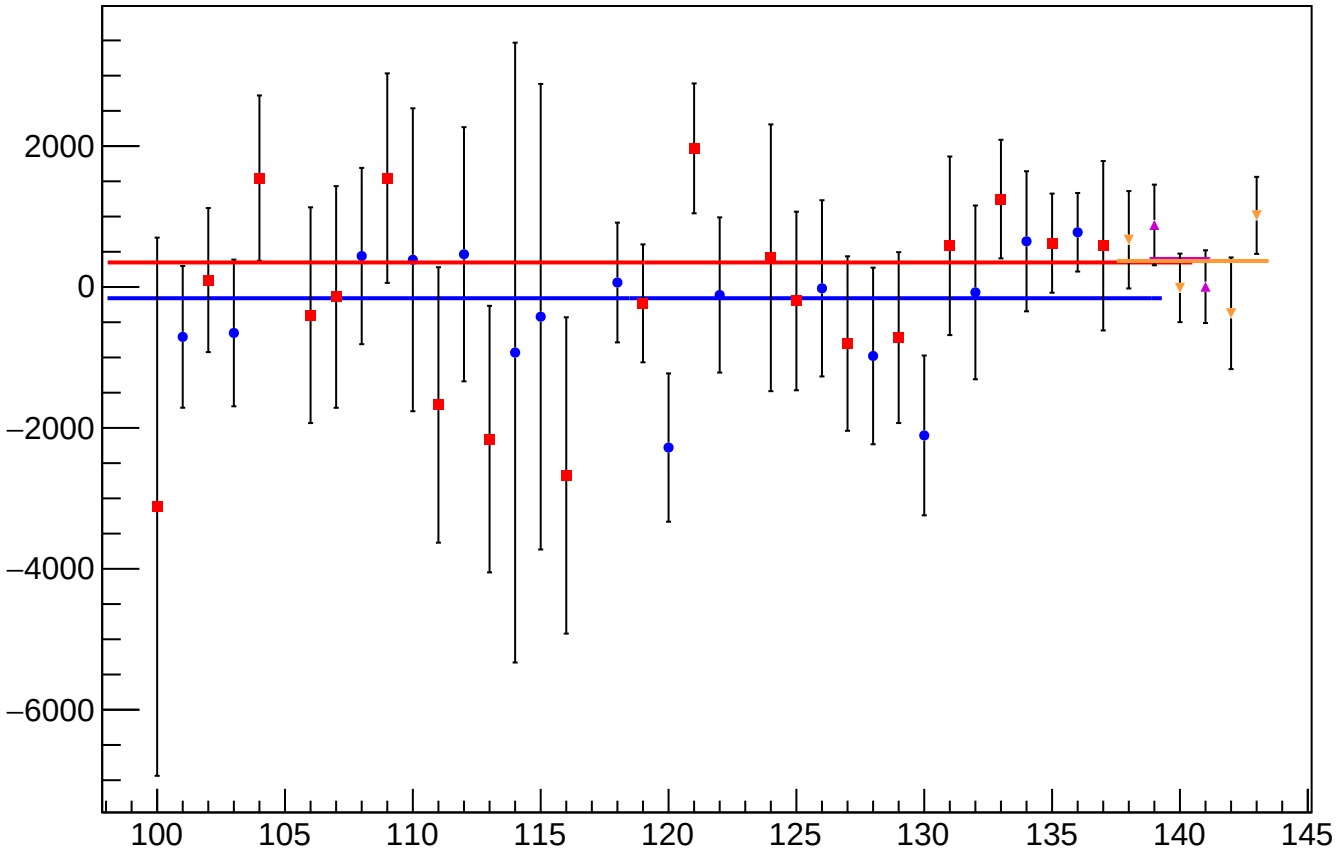
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.090+/-0.051 χ^2/NDF:323.8/1

+ sign 108.789+/-0.025 χ^2/NDF: 669437.5/19

All: 110.267+/-0.018 χ^2/NDF: 1309944.3/40

- sign 111.988+/-0.027 χ^2/NDF: 632730.5/20



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 369.201+/-297.999 χ^2/NDF:3.1/3

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

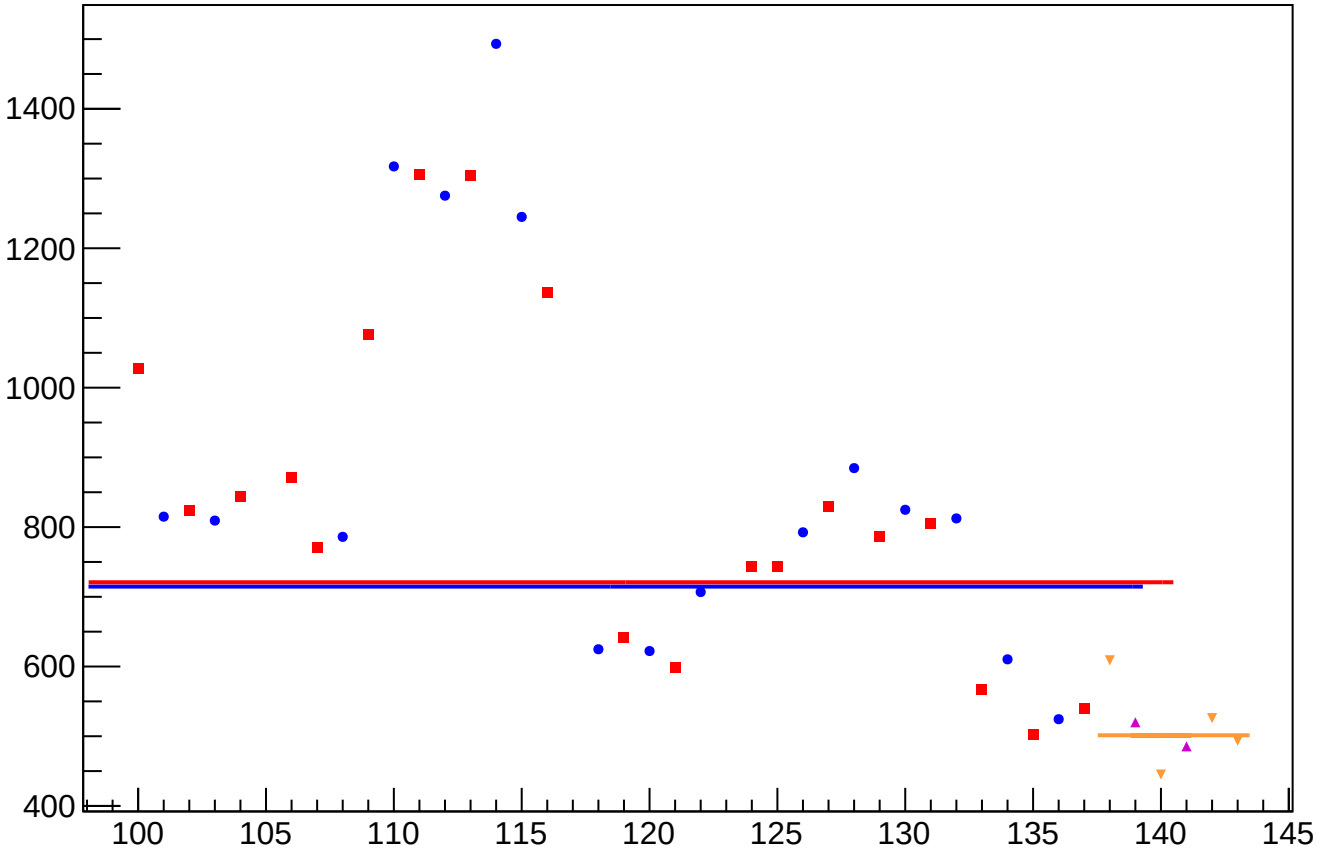
Left In: 398.222+/-383.436 χ^2/NDF:1.3/1

+ sign 83.452+/-201.921 χ^2/NDF: 16.8/19

All: 210.605+/-149.591 χ^2/NDF: 33.2/40

- sign 365.293+/-222.713 χ^2/NDF: 15.6/20

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 501.353+/-0.211 χ^2/NDF:77636.3/3

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

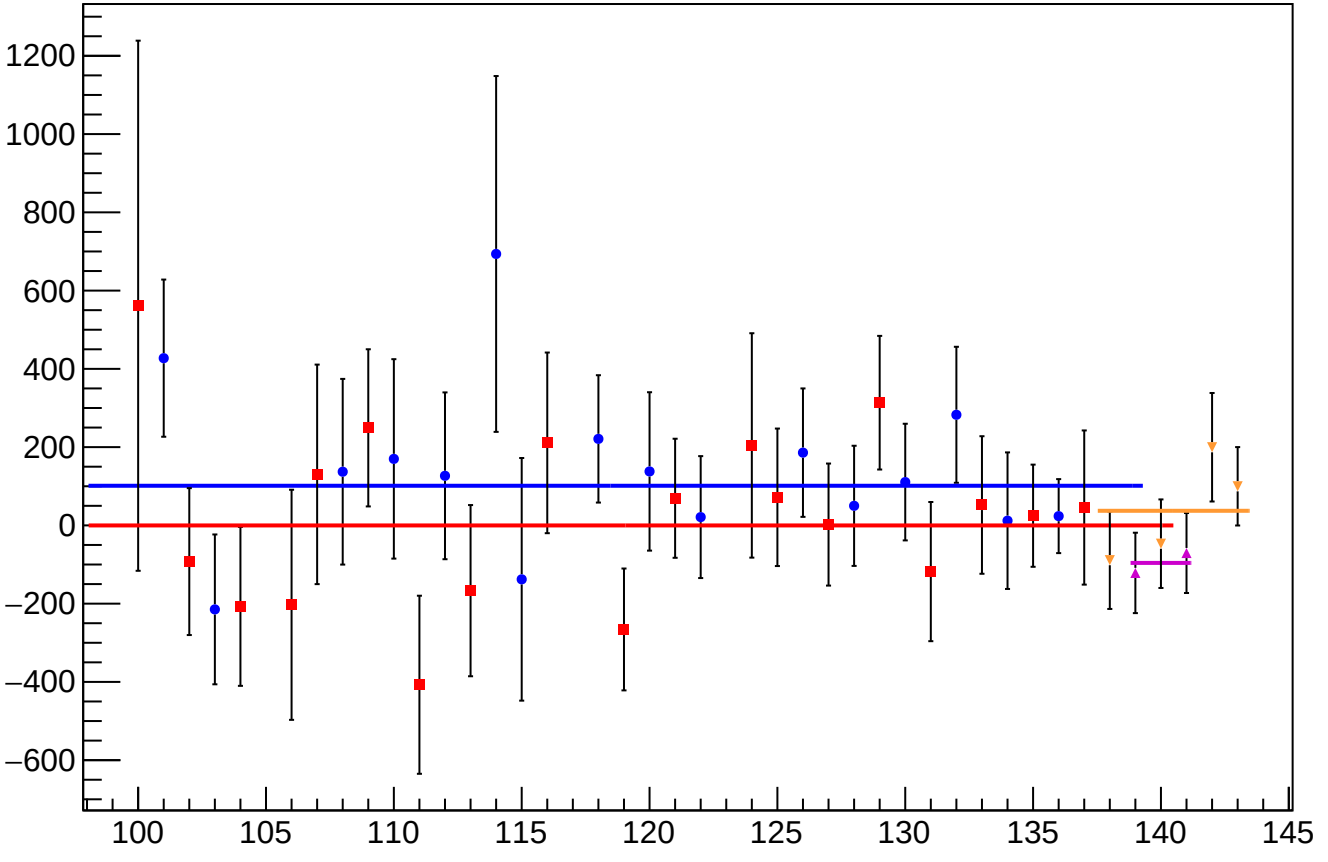
Left In: 501.012+/-0.271 χ^2/NDF:4012.4/1

+ sign 616.728+/-0.143 χ^2/NDF: 1508136.3/19

All: 630.253+/-0.106 χ^2/NDF: 2986244.4/40

- sign 646.707+/-0.157 χ^2/NDF: 1458219.2/20

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 37.301+/-58.308 χ^2/NDF:3.3/3

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

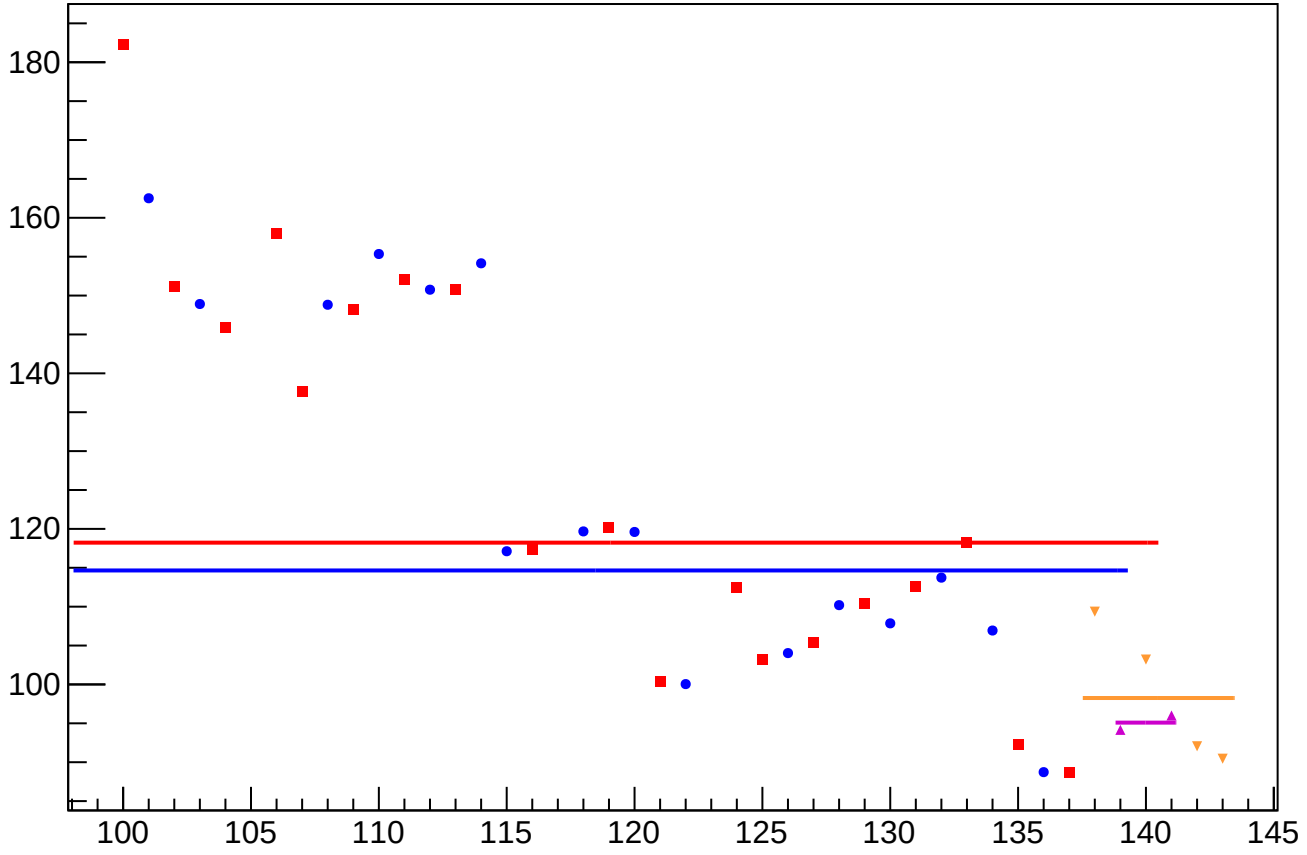
Left In: -95.899+/-72.449 χ^2/NDF:0.1/1

+ sign 78.396+/-34.871 χ^2/NDF: 15.1/19

All: 30.182+/-25.577 χ^2/NDF: 37.3/40

- sign -25.961+/-37.629 χ^2/NDF: 18.0/20

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 98.255+/-0.041 χ^2/NDF:35828.4/3

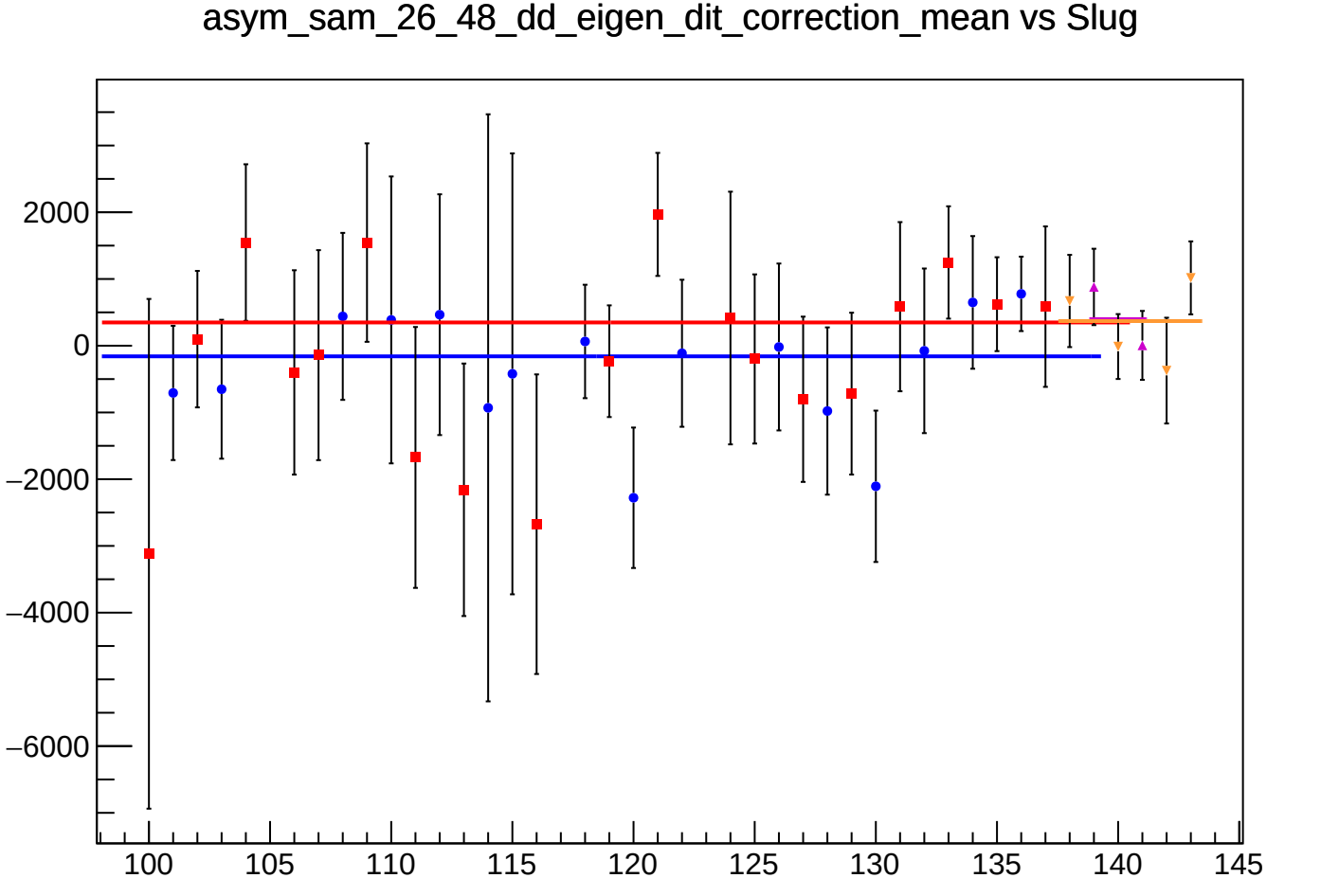
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.090+/-0.051 χ^2/NDF:323.9/1

+ sign 108.789+/-0.025 χ^2/NDF: 669422.5/19

All: 110.267+/-0.018 χ^2/NDF: 1309920.2/40

- sign 111.988+/-0.027 χ^2/NDF: 632722.1/20



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 369.200+/-297.999 χ^2/NDF:3.1/3

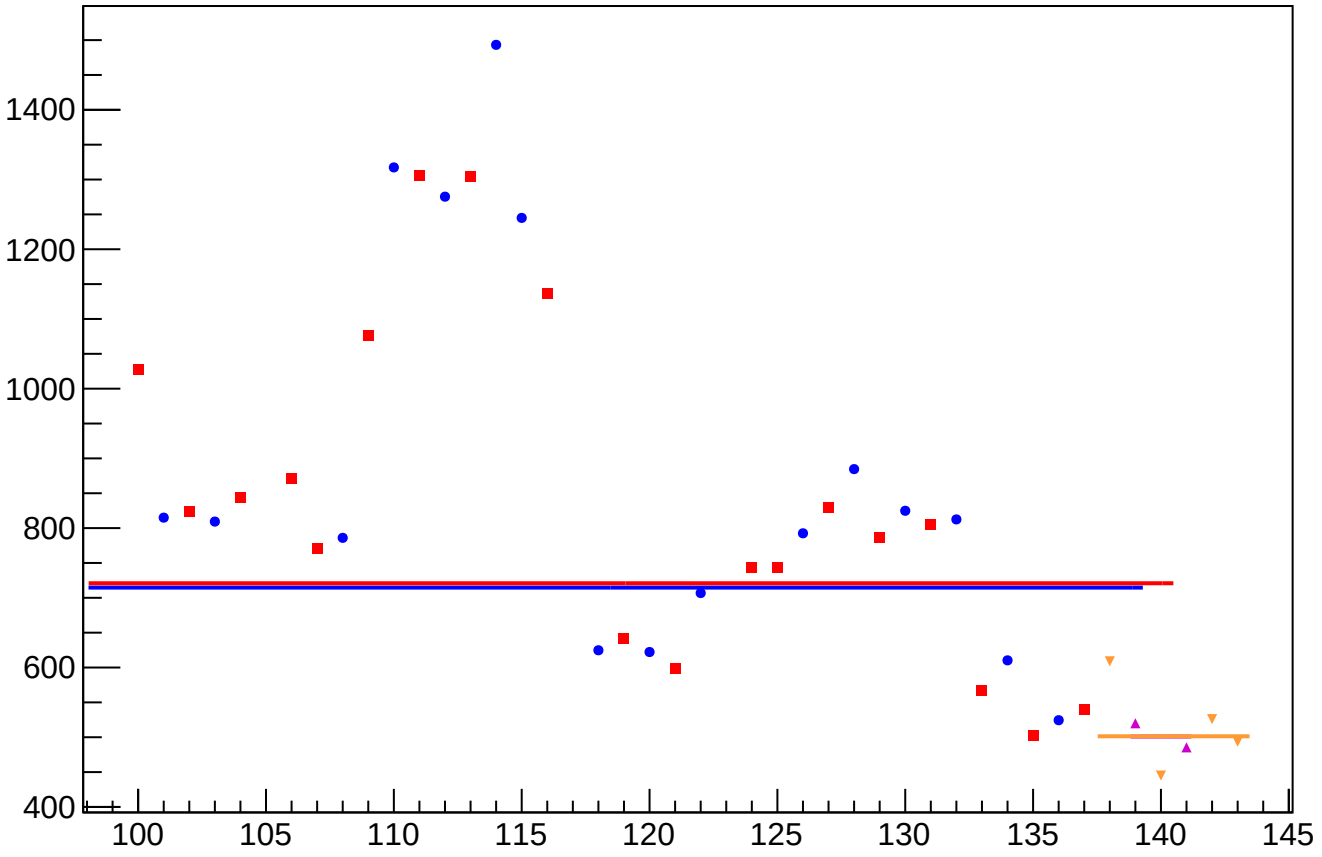
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 398.222+/-383.437 χ^2/NDF:1.3/1

+ sign 83.450+/-201.921 χ^2/NDF: 16.8/19

All: 210.605+/-149.591 χ^2/NDF: 33.2/40

- sign 365.294+/-222.713 χ^2/NDF: 15.6/20



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 501.354+/-0.211 χ^2/NDF:77636.1/3

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

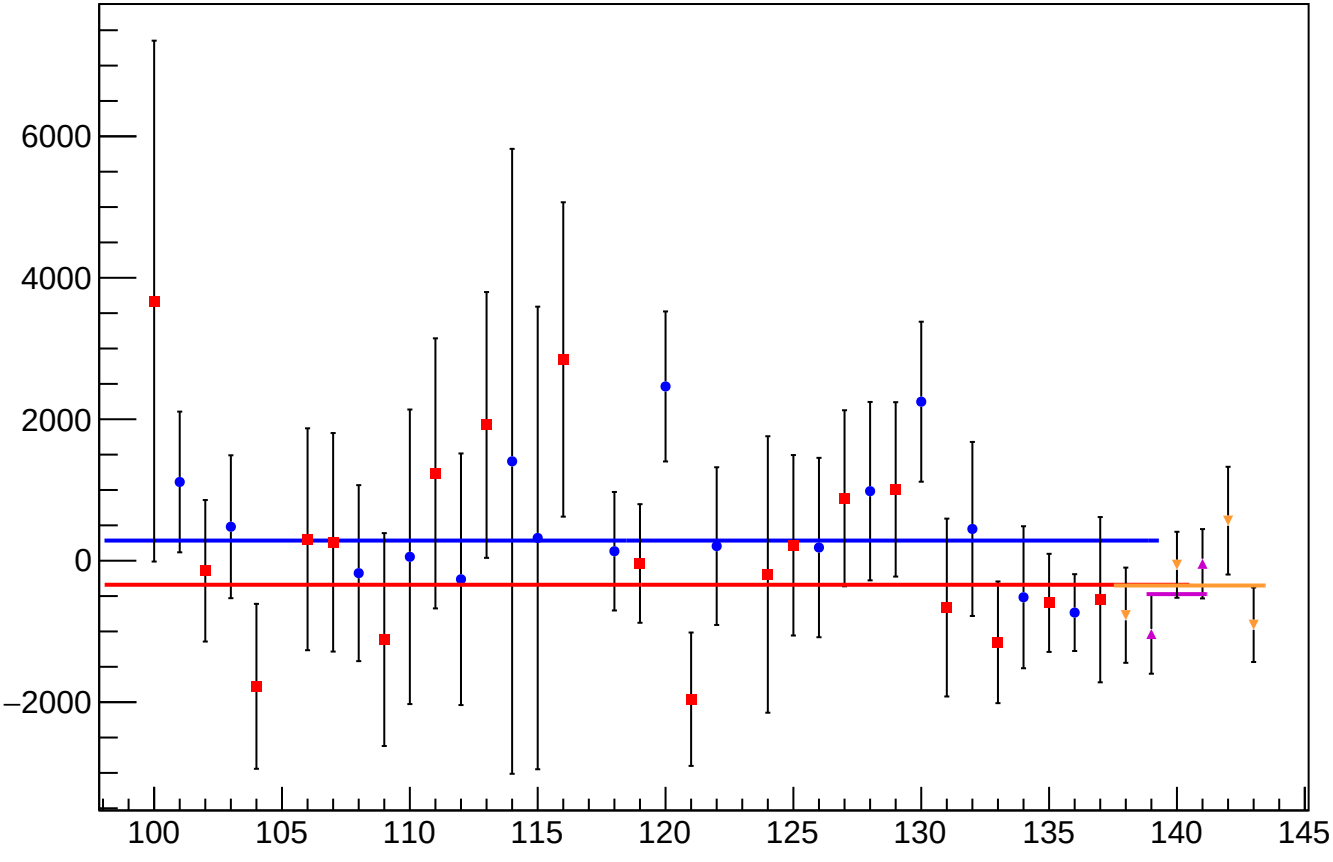
Left In: 501.013+/-0.271 χ^2/NDF:4012.4/1

+ sign 616.729+/-0.143 χ^2/NDF: 1508126.7/19

All: 630.254+/-0.106 χ^2/NDF: 2986224.4/40

- sign 646.707+/-0.157 χ^2/NDF: 1458209.3/20

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -350.341+/-287.094 χ^2/NDF:3.3/3

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

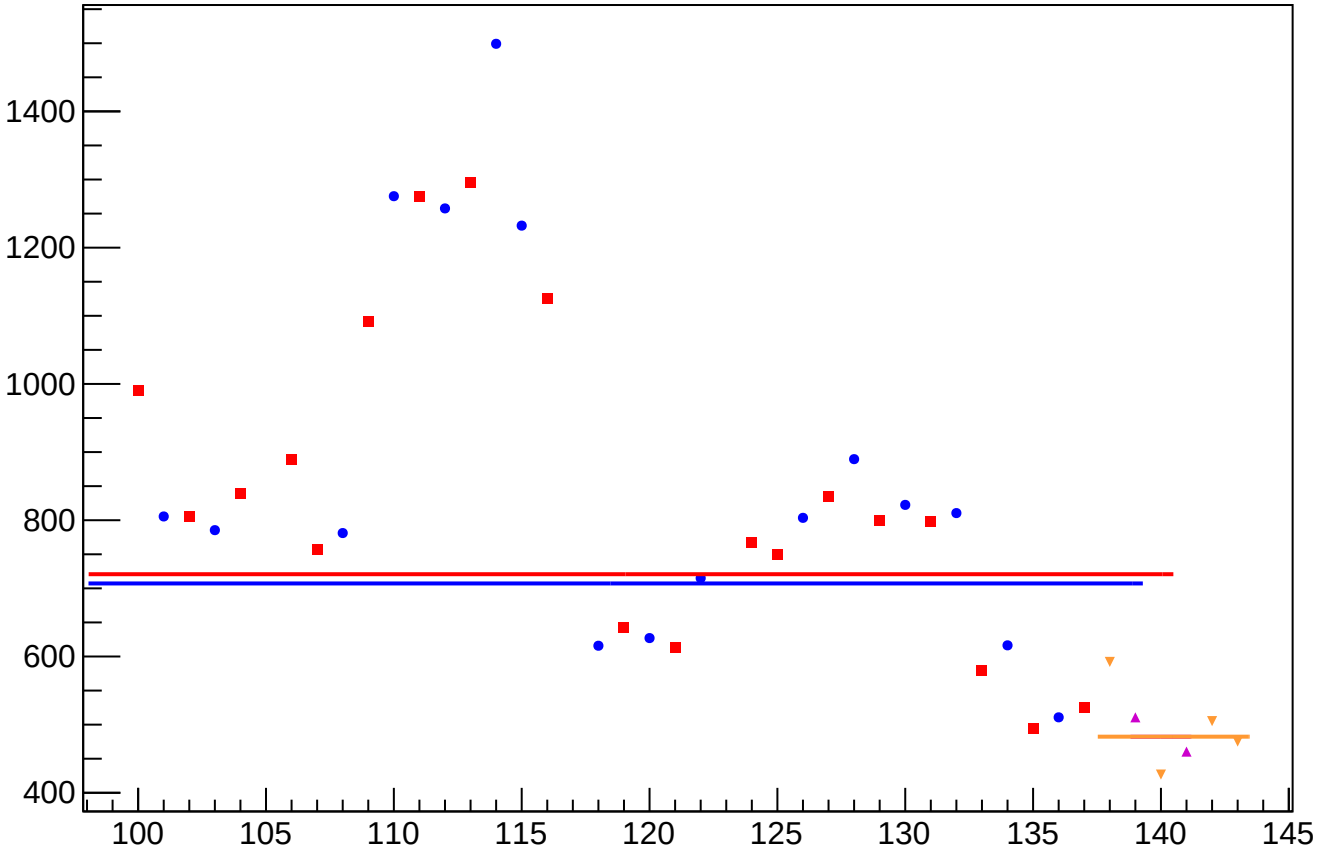
Left In: -472.237+/-369.284 χ^2/NDF:1.8/1

+ sign -15.582+/-197.432 χ^2/NDF: 18.7/19

All: -181.349+/-146.890 χ^2/NDF: 36.2/40

- sign -386.876+/-219.838 χ^2/NDF: 15.9/20

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 482.343+/-0.203 χ^2/NDF:83767.5/3

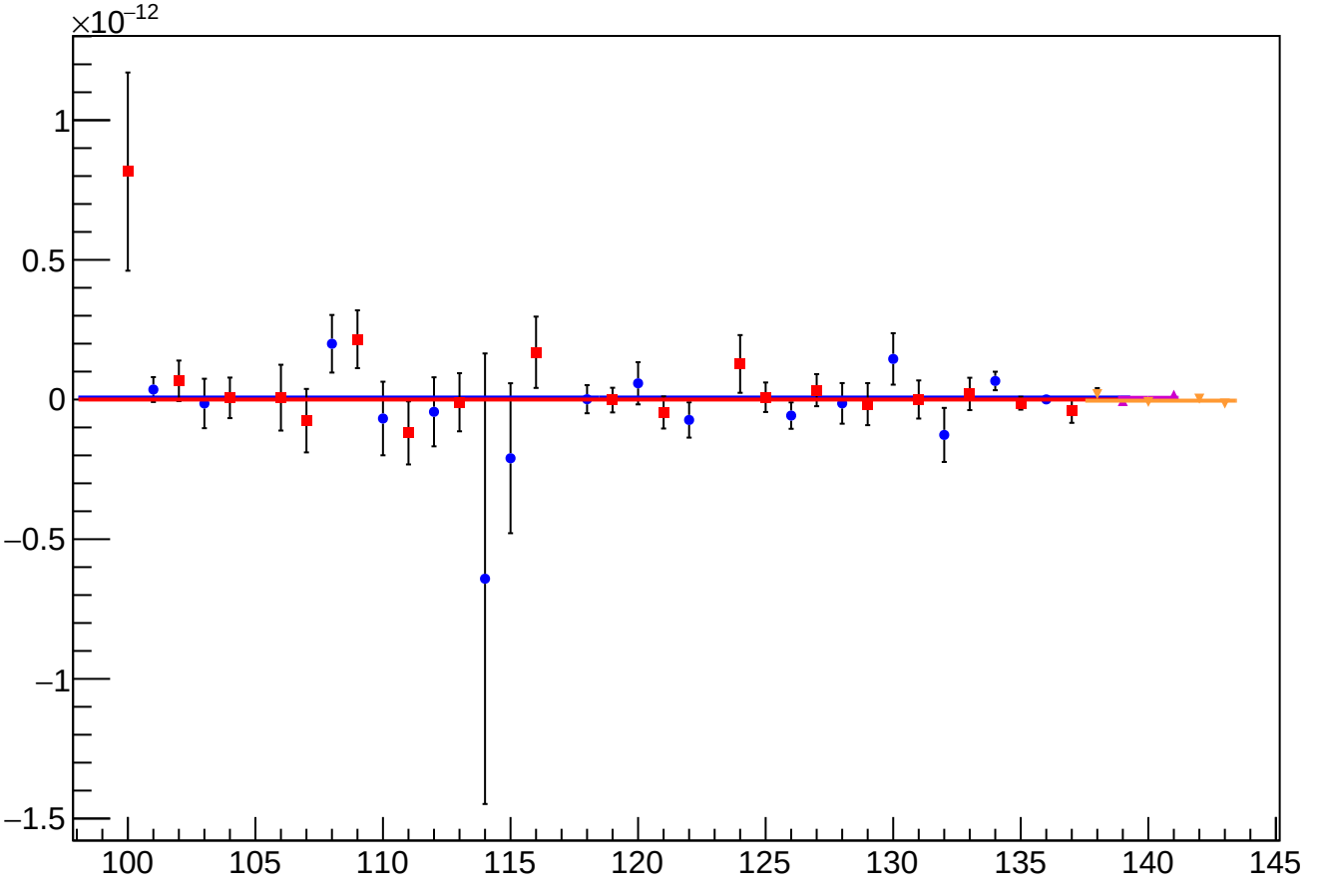
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 482.168+/-0.261 χ^2/NDF:9113.8/1

+ sign 600.866+/-0.140 χ^2/NDF: 1627163.8/19

All: 616.648+/-0.104 χ^2/NDF: 3219263.0/40

- sign 636.216+/-0.155 χ^2/NDF: 1563472.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

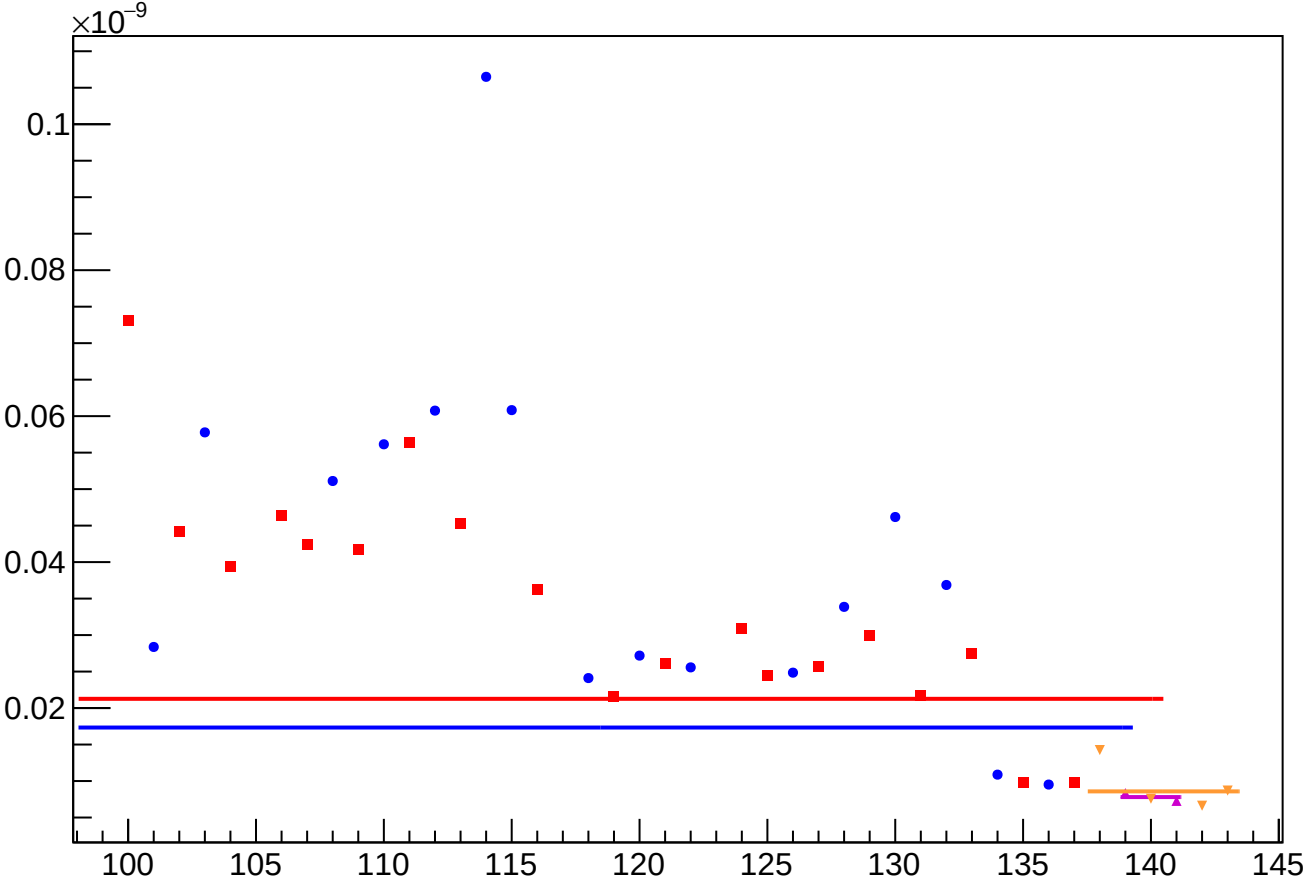
Left In: 0.000+/-0.000 χ^2/NDF:1.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/19

All: 0.000+/-0.000 χ^2/NDF: 39.2/40

- sign 0.000+/-0.000 χ^2/NDF: 19.2/20

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:171884.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

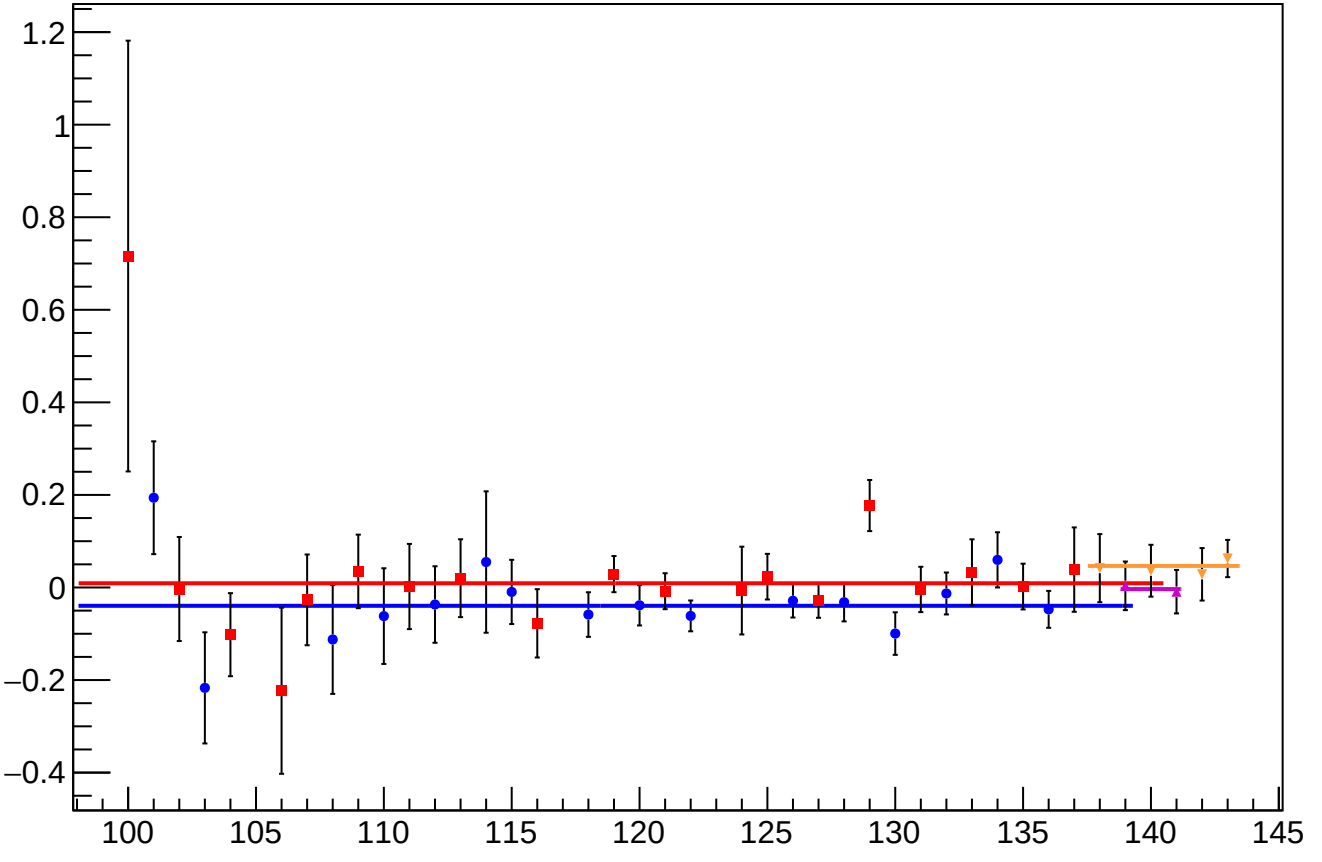
Left In: 0.000+/-0.000 χ^2/NDF:5613.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 3319295.6/19

All: 0.000+/-0.000 χ^2/NDF: 6311683.0/40

- sign 0.000+/-0.000 χ^2/NDF: 2965653.2/20

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: 0.047+/-0.026 χ^2/NDF:0.3/3

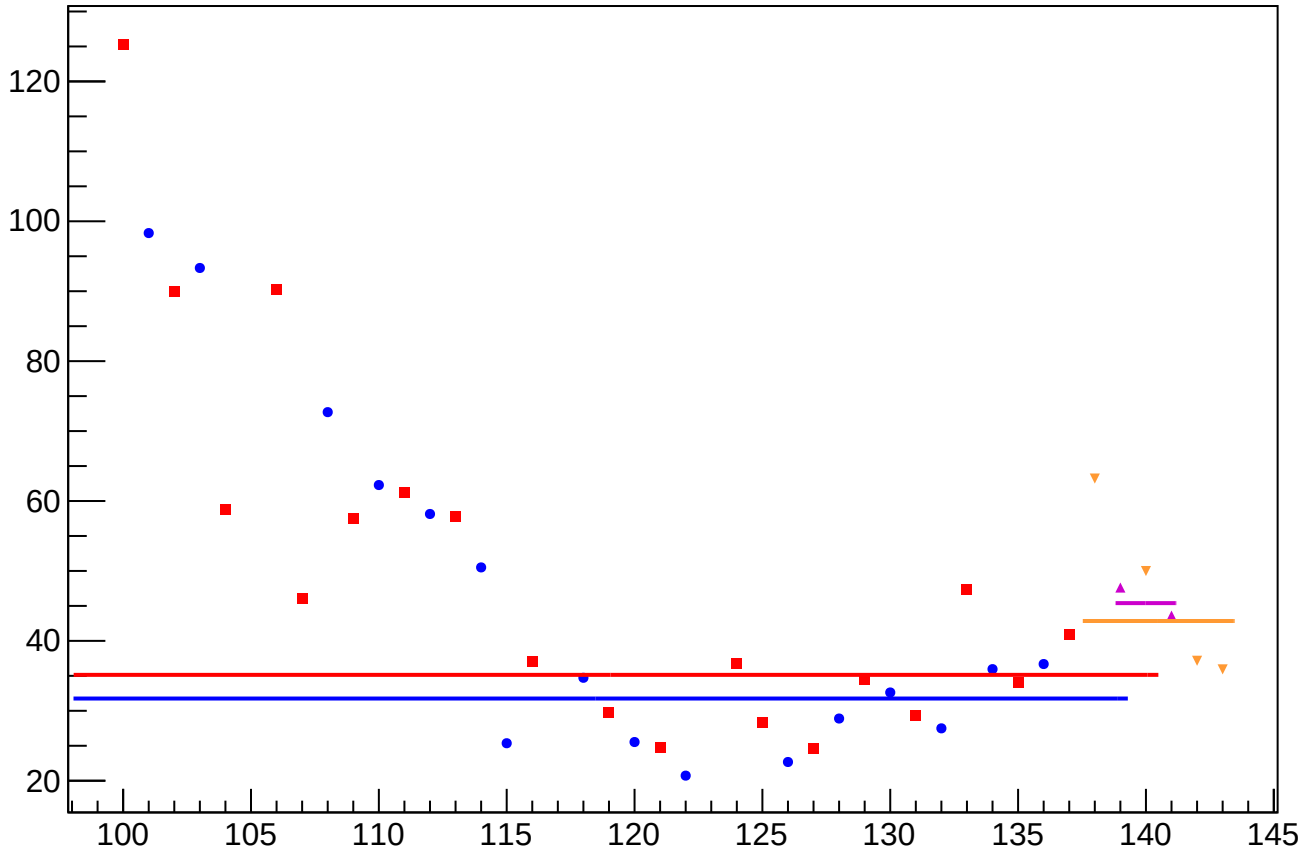
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.003+/-0.035 χ^2/NDF:0.0/1

+ sign -0.022+/-0.012 χ^2/NDF: 21.2/19

All: -0.009+/-0.009 χ^2/NDF: 42.5/40

- sign 0.007+/-0.013 χ^2/NDF: 18.4/20



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 42.842+/-0.019 χ^2/NDF:264889.1/3

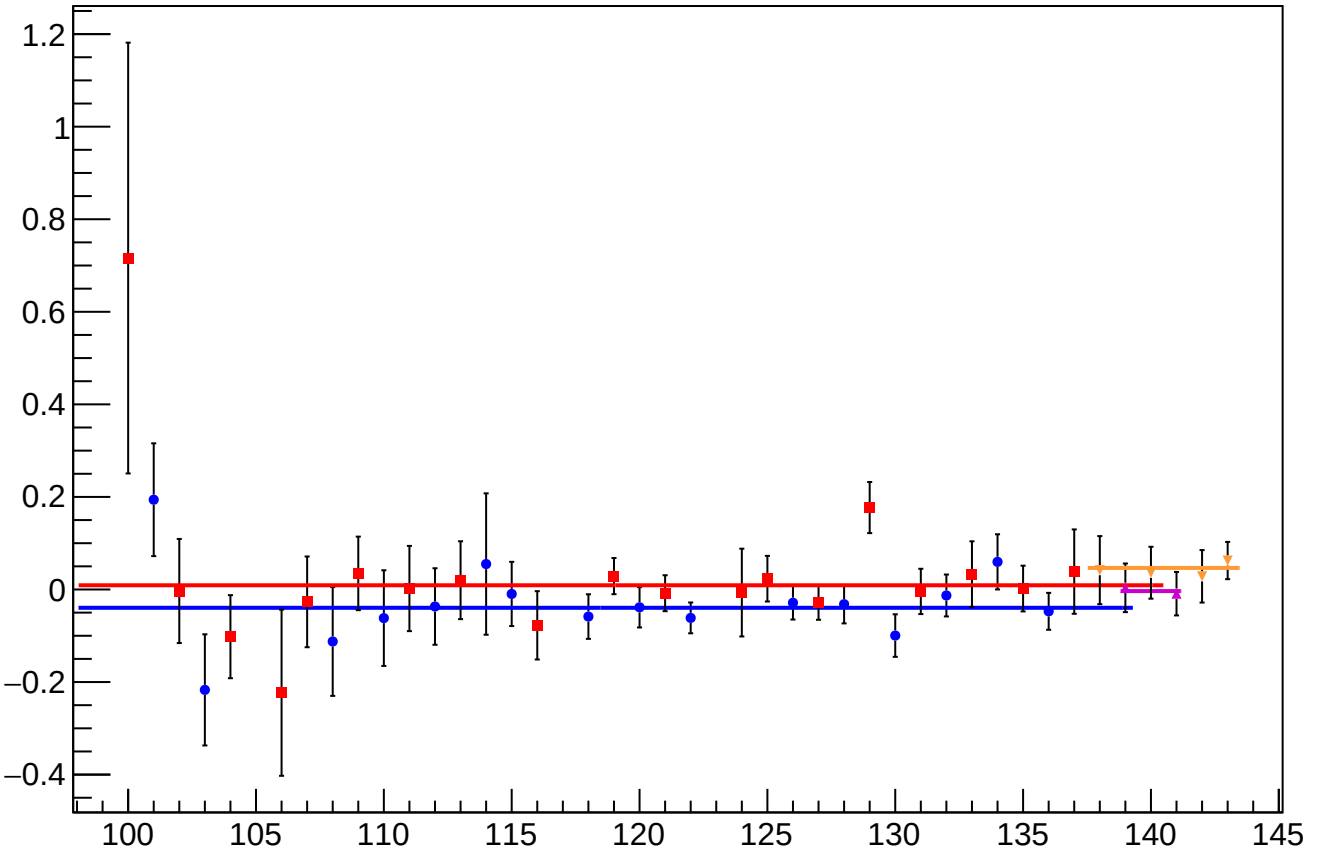
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6480.4/1

+ sign 33.958+/-0.008 χ^2/NDF: 2799146.9/19

All: 35.128+/-0.006 χ^2/NDF: 4842047.2/40

- sign 36.582+/-0.009 χ^2/NDF: 1998646.1/20



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

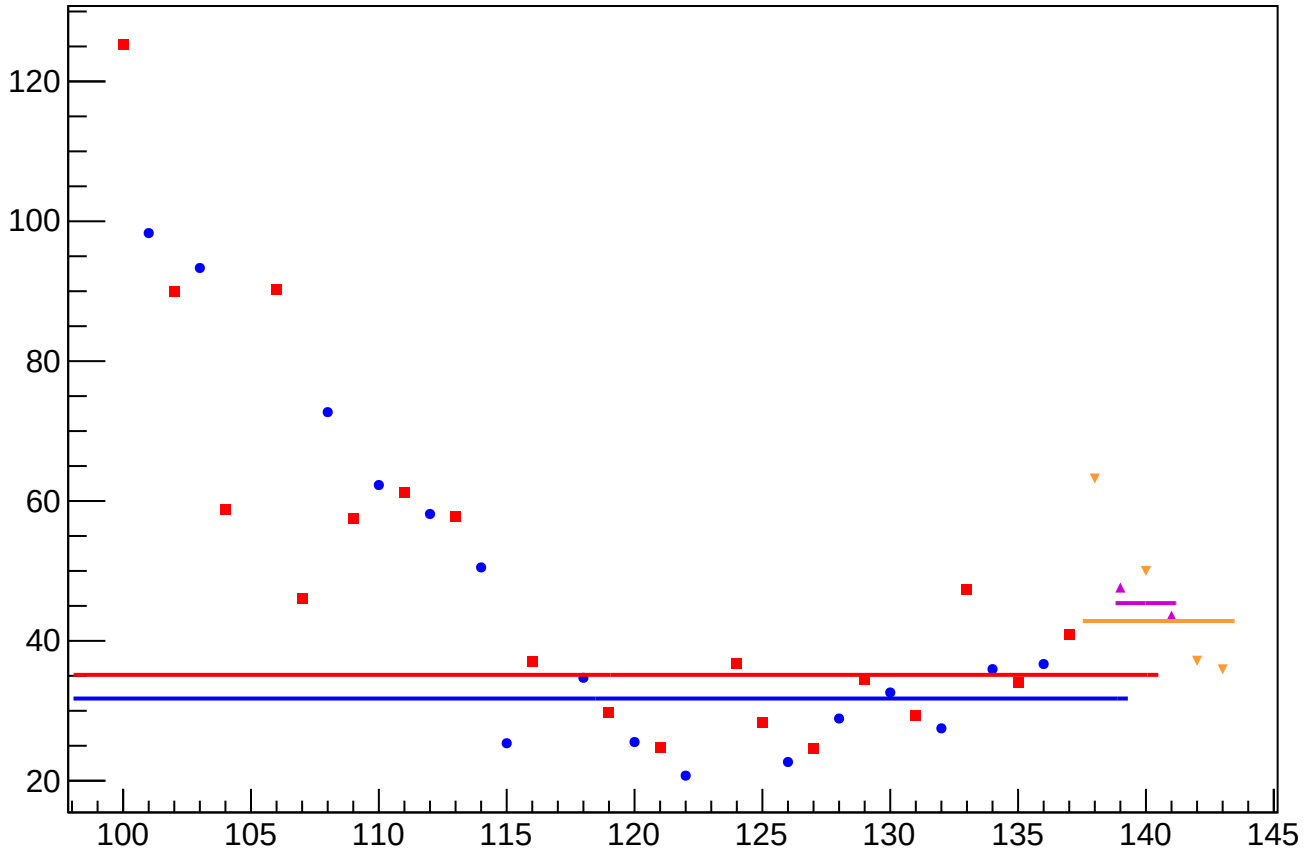
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.003+/-0.035 χ^2/NDF:0.0/1

+ sign -0.022+/-0.012 χ^2/NDF: 21.2/19

All: -0.009+/-0.009 χ^2/NDF: 42.5/40

- sign 0.007+/-0.013 χ^2/NDF: 18.4/20



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 42.842+/-0.019 χ^2/NDF:264889.1/3

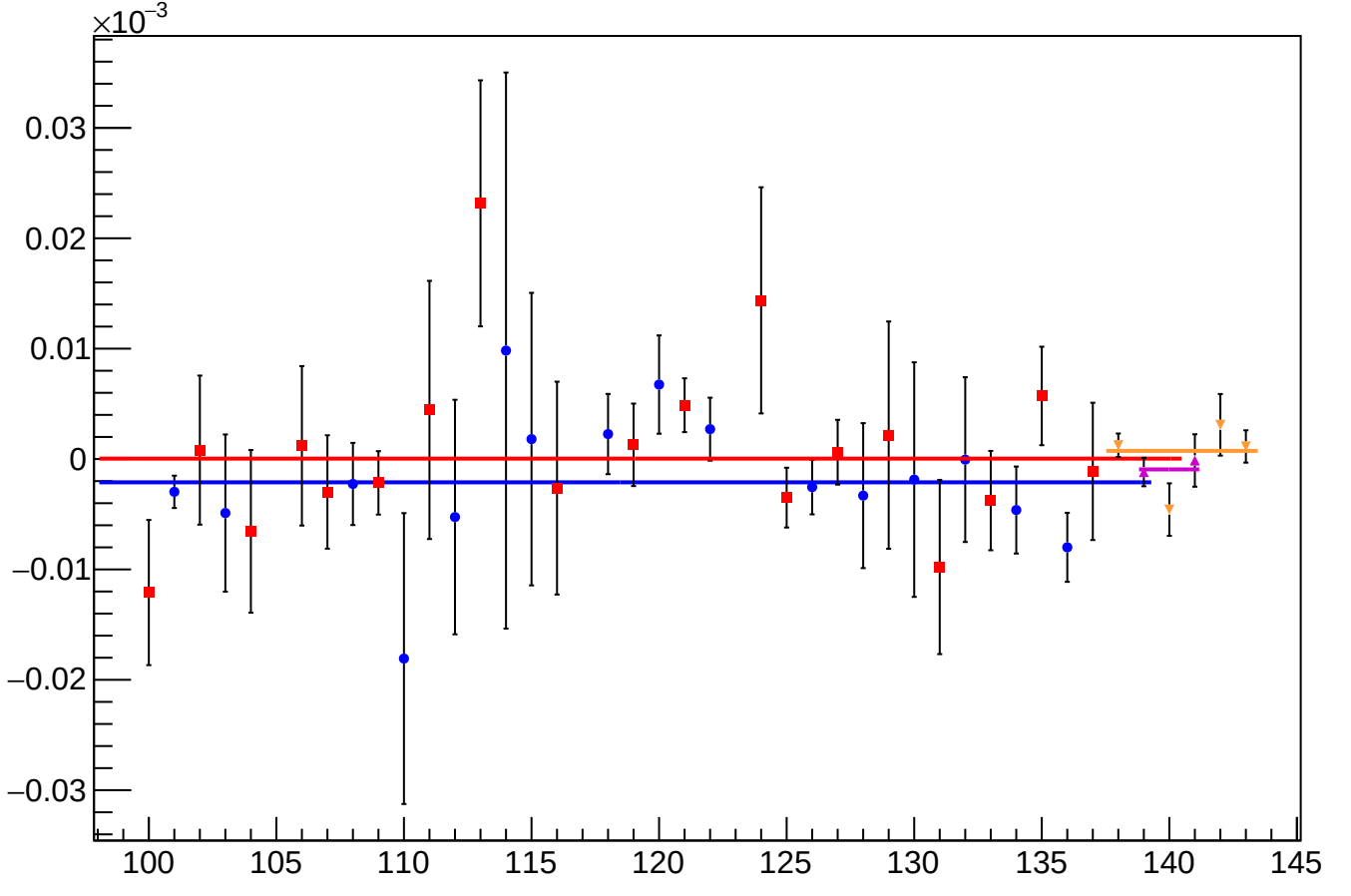
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6480.4/1

\+ sign 33.958+/-0.008 χ^2/NDF: 2799146.9/19

All: 35.128+/-0.006 χ^2/NDF: 4842047.2/40

\- sign 36.582+/-0.009 χ^2/NDF: 1998646.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/3

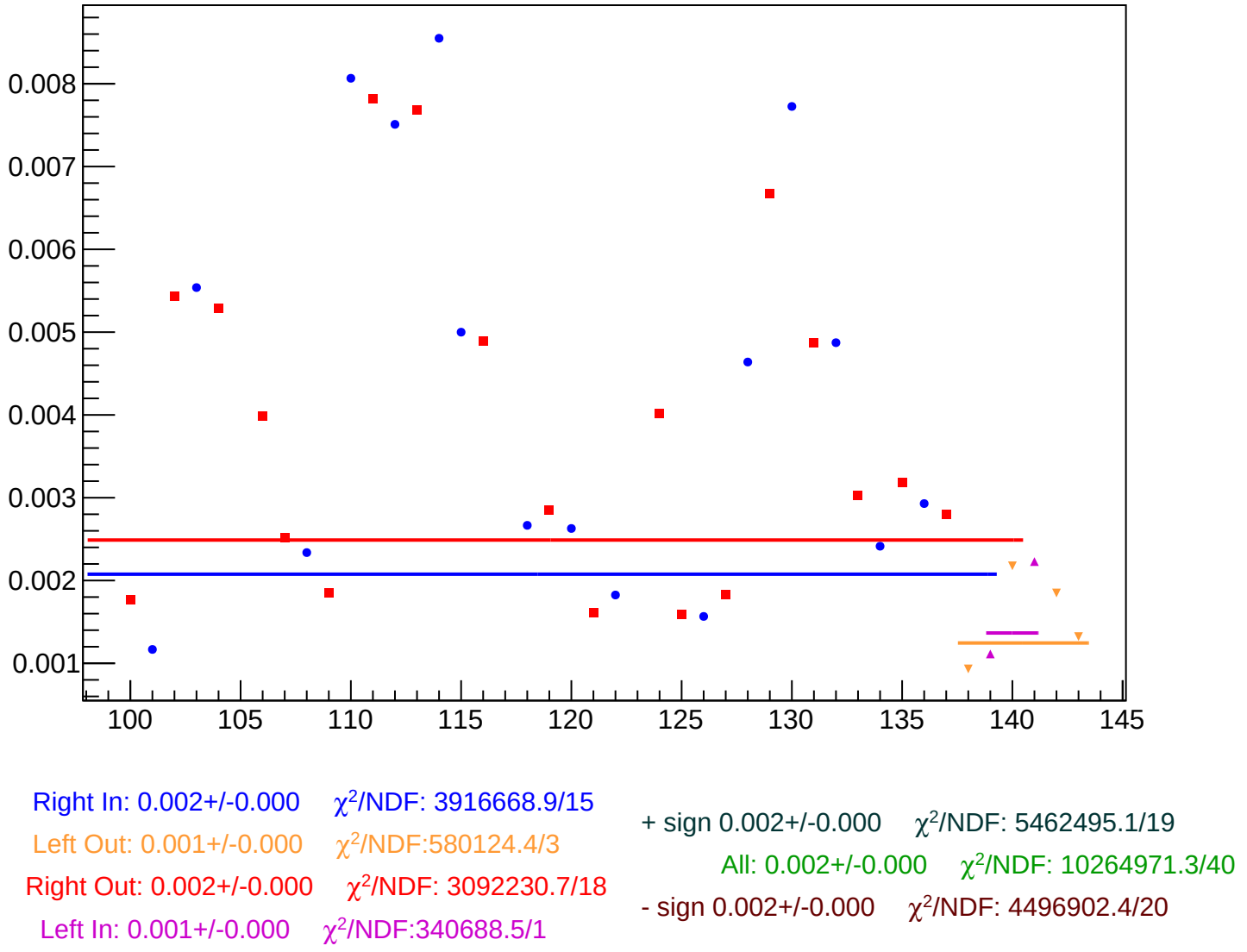
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

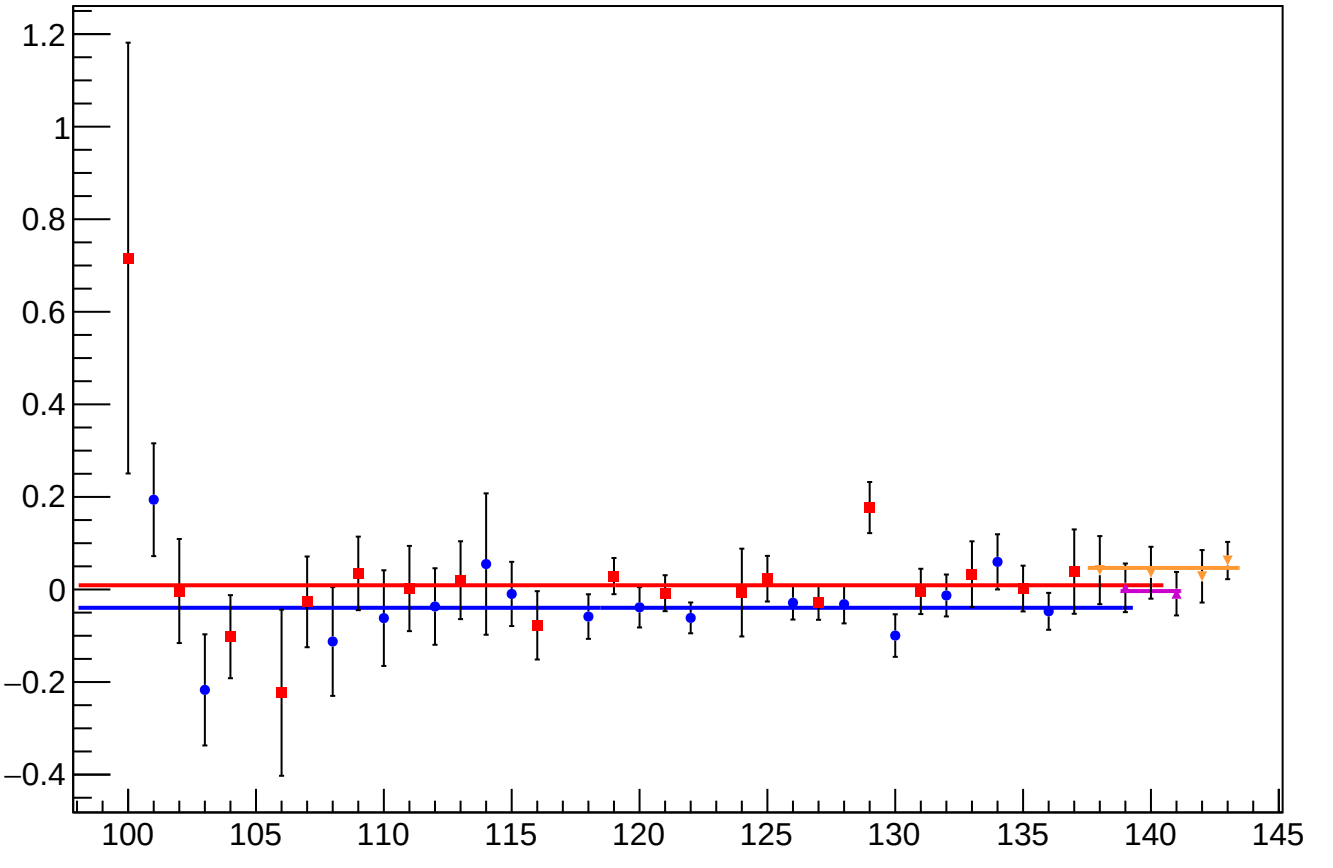
Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/19

All: -0.000+/-0.000 χ^2/NDF: 48.4/40

- sign -0.000+/-0.000 χ^2/NDF: 22.0/20


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:580124.4/3
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:340688.5/1
+ sign 0.002+/-0.000 χ²/NDF: 5462495.1/19
All: 0.002+/-0.000 χ²/NDF: 10264971.3/40
- sign 0.002+/-0.000 χ²/NDF: 4496902.4/20



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

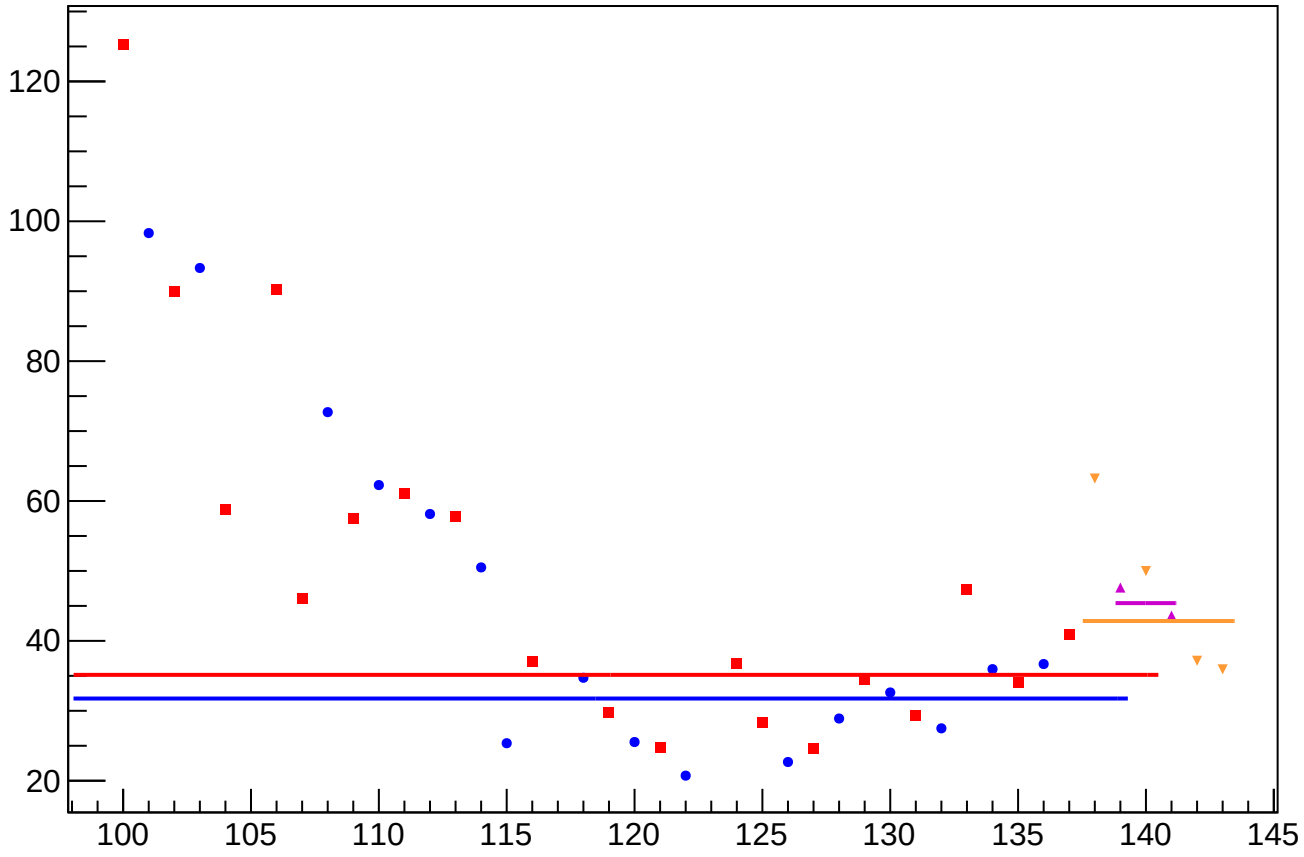
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.003+/-0.035 χ^2/NDF:0.0/1

+ sign -0.022+/-0.012 χ^2/NDF: 21.2/19

All: -0.009+/-0.009 χ^2/NDF: 42.5/40

- sign 0.007+/-0.013 χ^2/NDF: 18.4/20



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 42.843+/-0.019 χ^2/NDF:264874.4/3

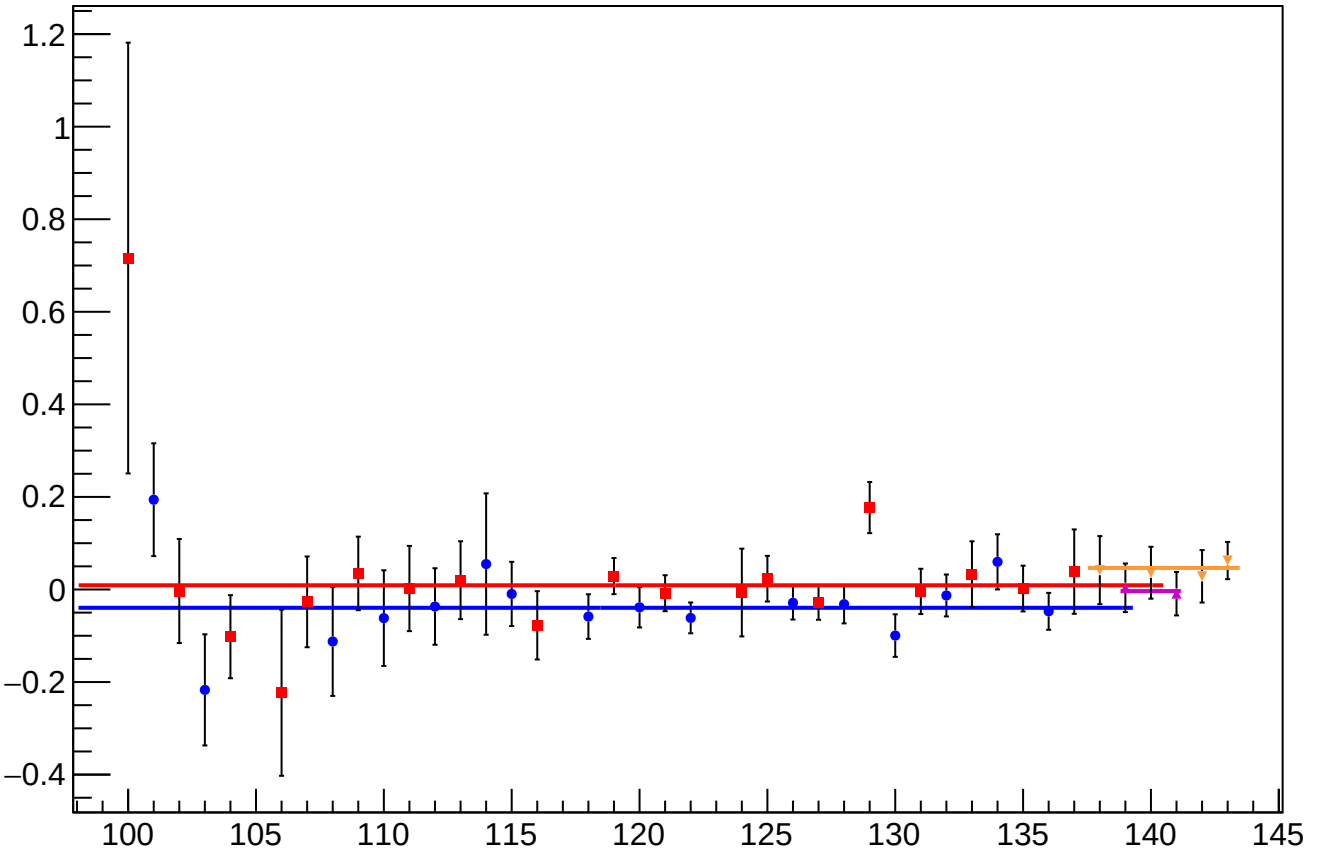
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6478.5/1

+ sign 33.958+/-0.008 χ^2/NDF: 2799109.8/19

All: 35.128+/-0.006 χ^2/NDF: 4841899.6/40

- sign 36.583+/-0.009 χ^2/NDF: 1998534.3/20



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

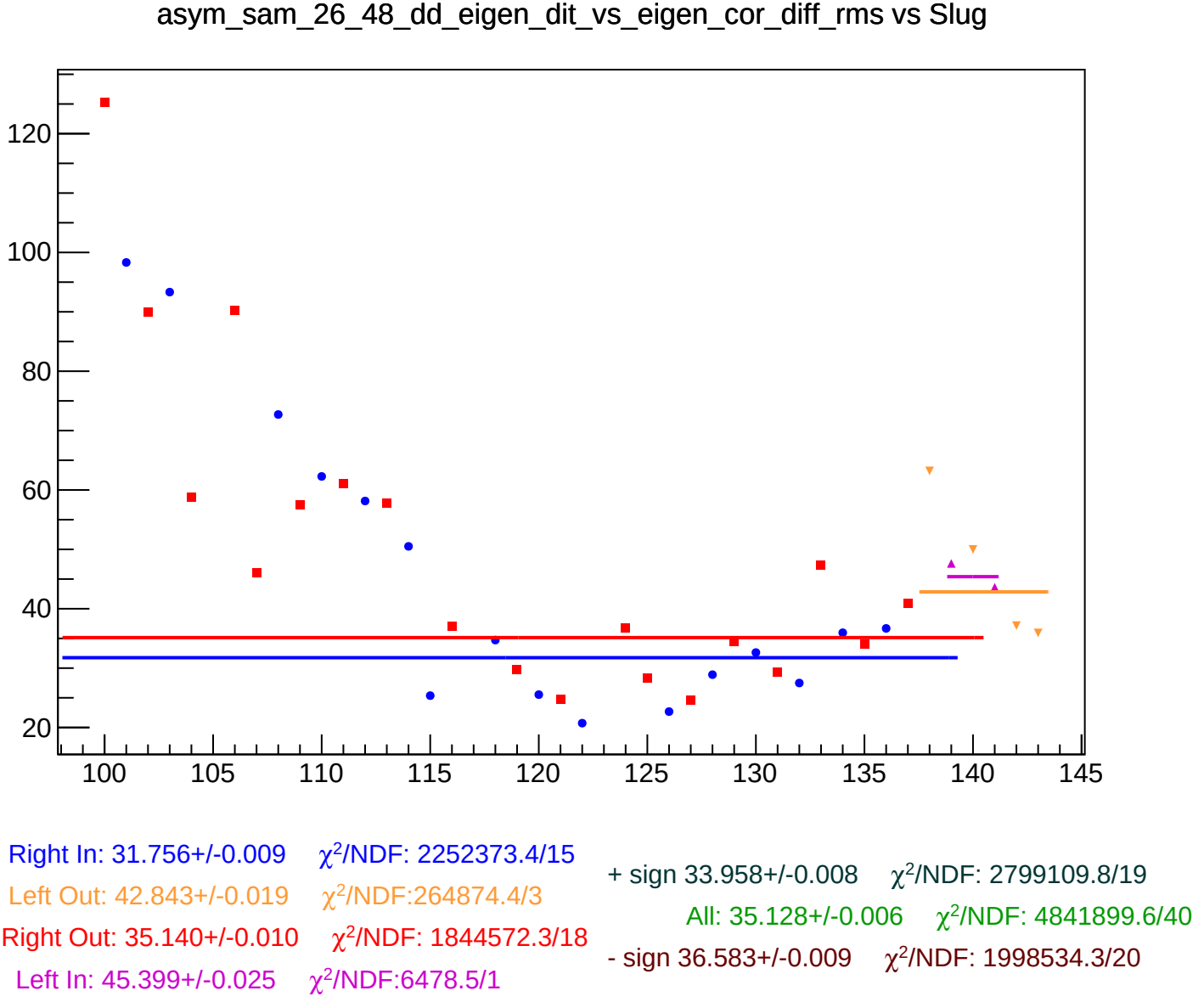
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

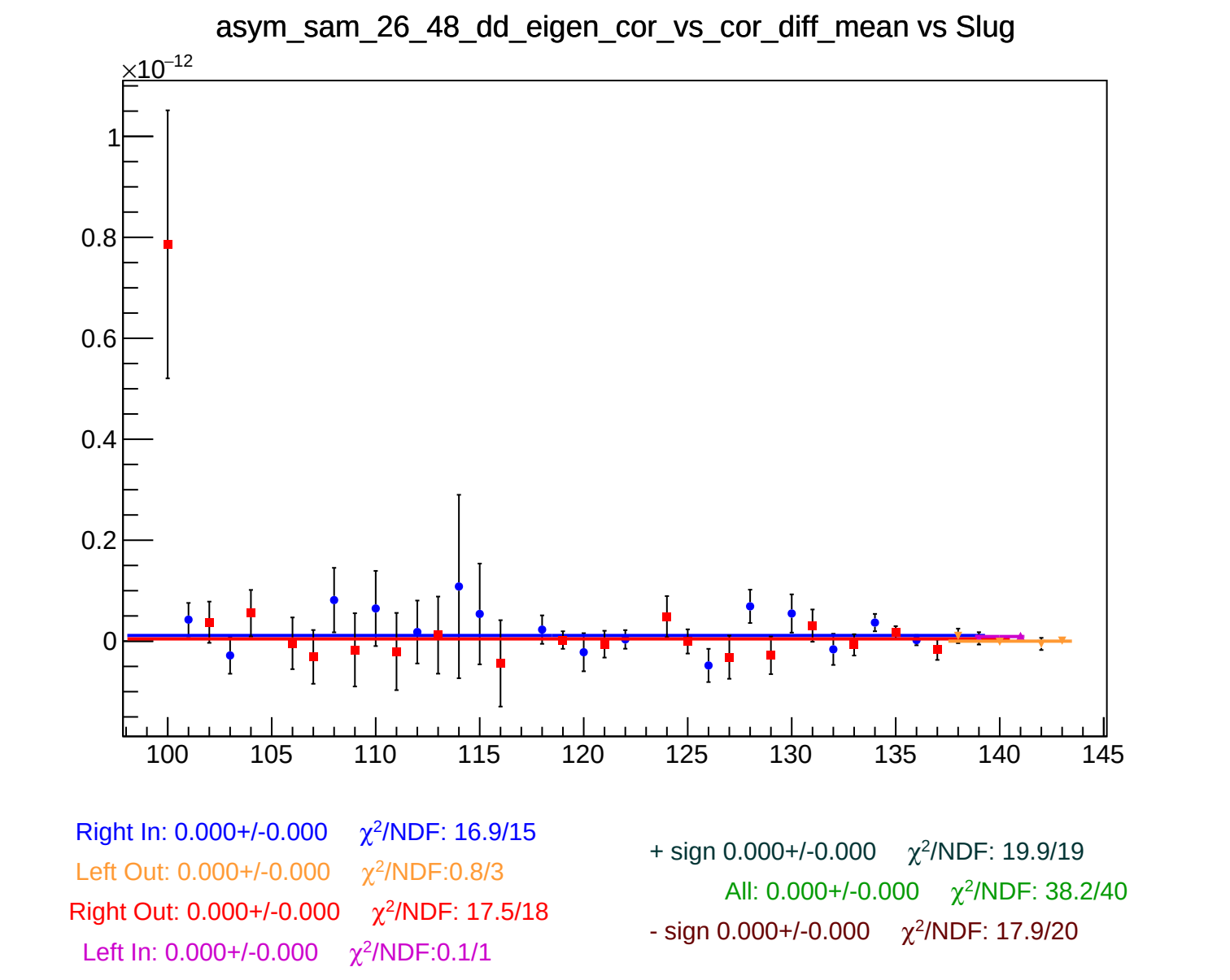
Left In: -0.003+/-0.035 χ^2/NDF:0.0/1

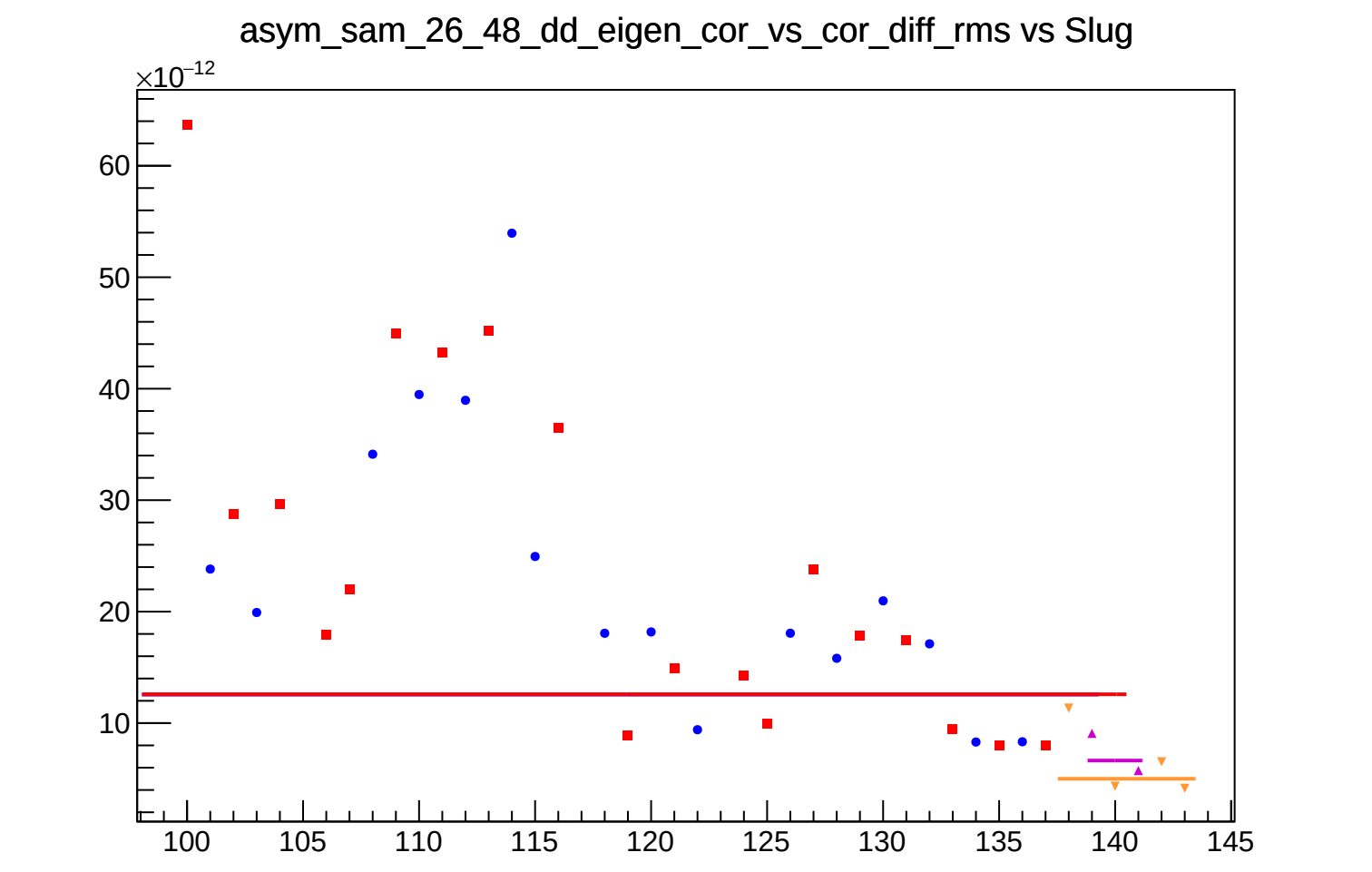
+ sign -0.022+/-0.012 χ^2/NDF: 21.2/19

All: -0.009+/-0.009 χ^2/NDF: 42.5/40

- sign 0.007+/-0.013 χ^2/NDF: 18.4/20


asym_sam_26_48_dd_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: 31.756+/-0.009 χ²/NDF: 2252373.4/15
Left Out: 42.843+/-0.019 χ²/NDF:264874.4/3
Right Out: 35.140+/-0.010 χ²/NDF: 1844572.3/18
Left In: 45.399+/-0.025 χ²/NDF:6478.5/1
+ sign 33.958+/-0.008 χ²/NDF: 2799109.8/19
All: 35.128+/-0.006 χ²/NDF: 4841899.6/40
- sign 36.583+/-0.009 χ²/NDF: 1998534.3/20


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:0.8/3
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.1/1
+ sign 0.000+/-0.000 χ²/NDF: 19.9/19
All: 0.000+/-0.000 χ²/NDF: 38.2/40
- sign 0.000+/-0.000 χ²/NDF: 17.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:481103.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

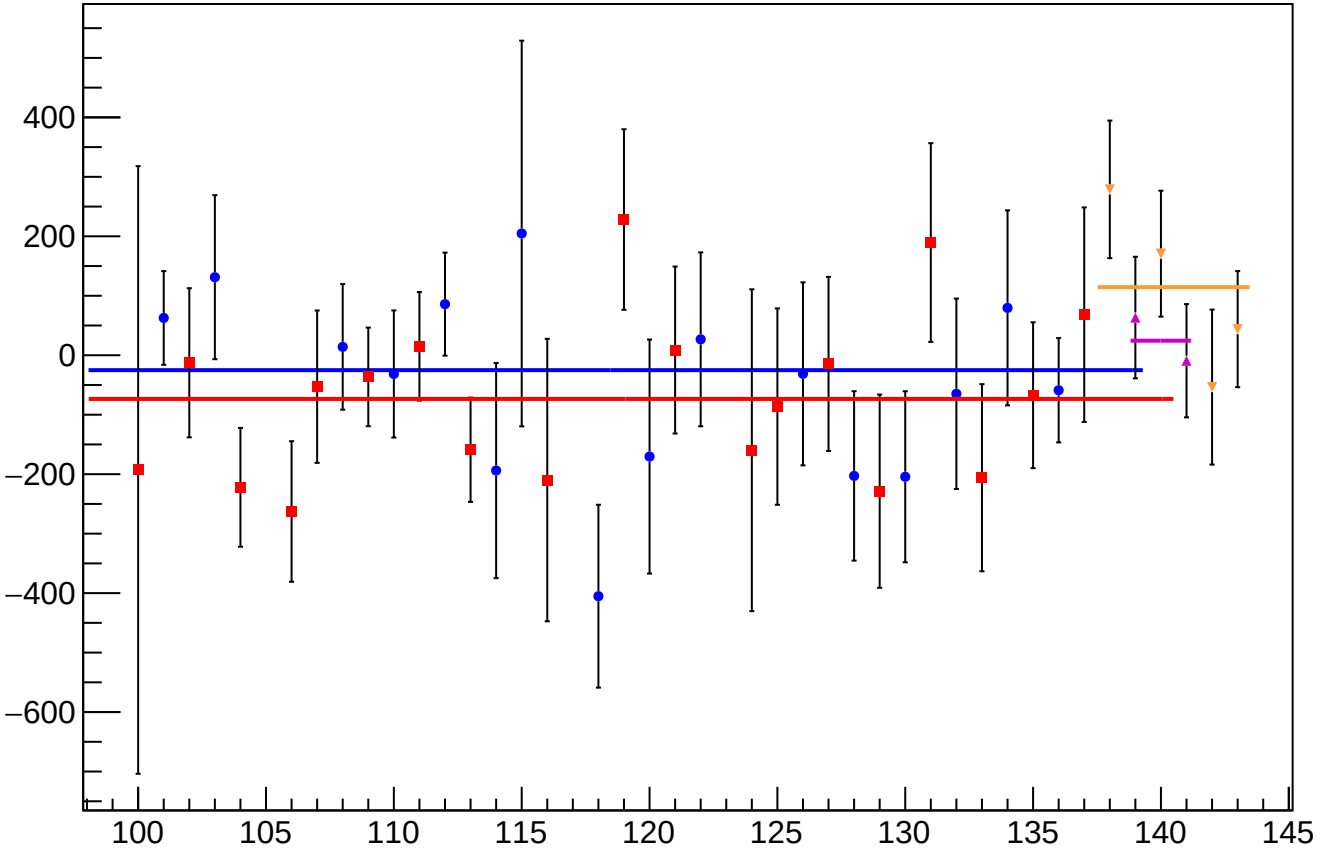
Left In: 0.000+/-0.000 χ^2/NDF:108788.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 4661737.4/19

All: 0.000+/-0.000 χ^2/NDF: 8729949.2/40

- sign 0.000+/-0.000 χ^2/NDF: 3694170.5/20

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 114.494+/-55.239 χ^2/NDF:4.5/3

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

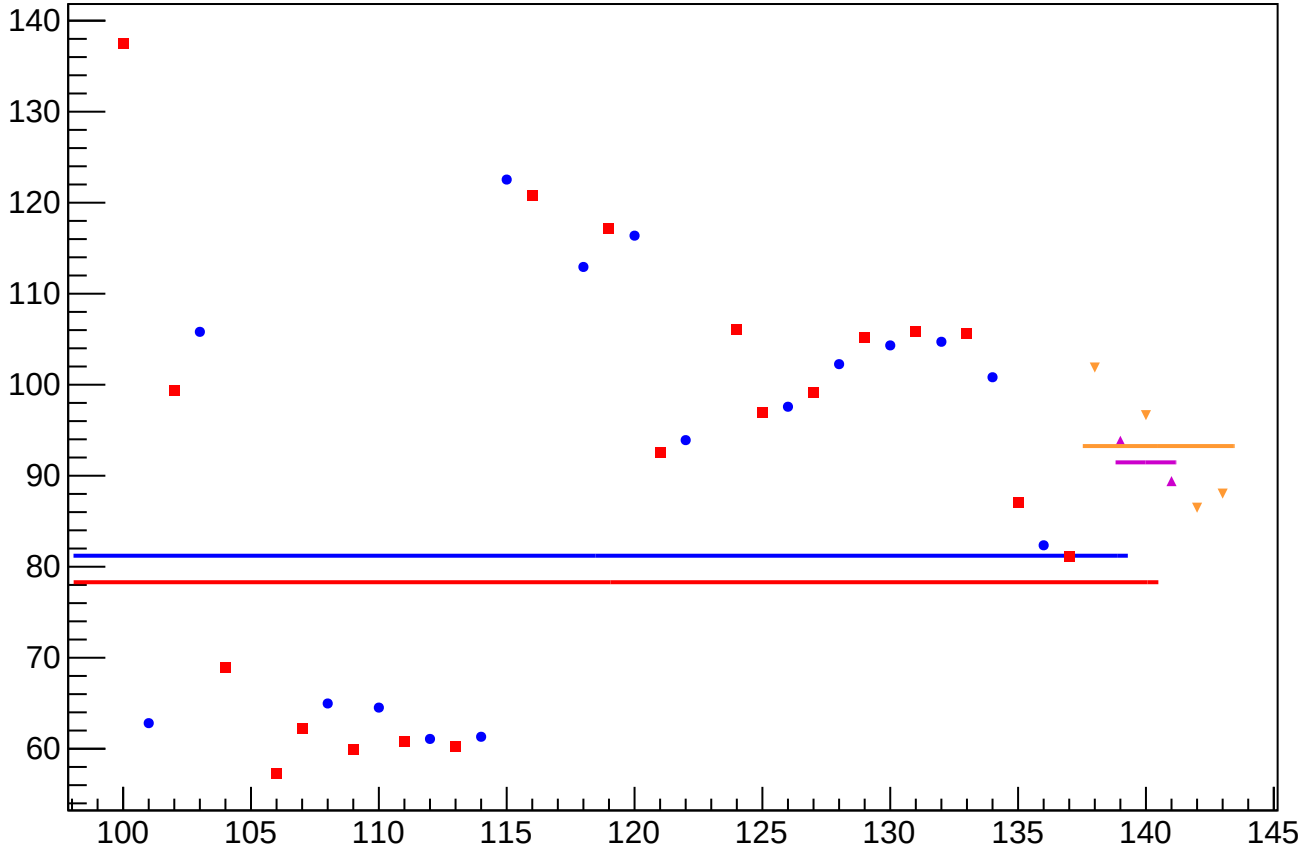
Left In: 24.497+/-69.657 χ^2/NDF:0.3/1

+ sign 8.732+/-27.186 χ^2/NDF: 25.5/19

All: -24.340+/-19.334 χ^2/NDF: 47.3/40

- sign -58.187+/-27.503 χ^2/NDF: 18.7/20

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

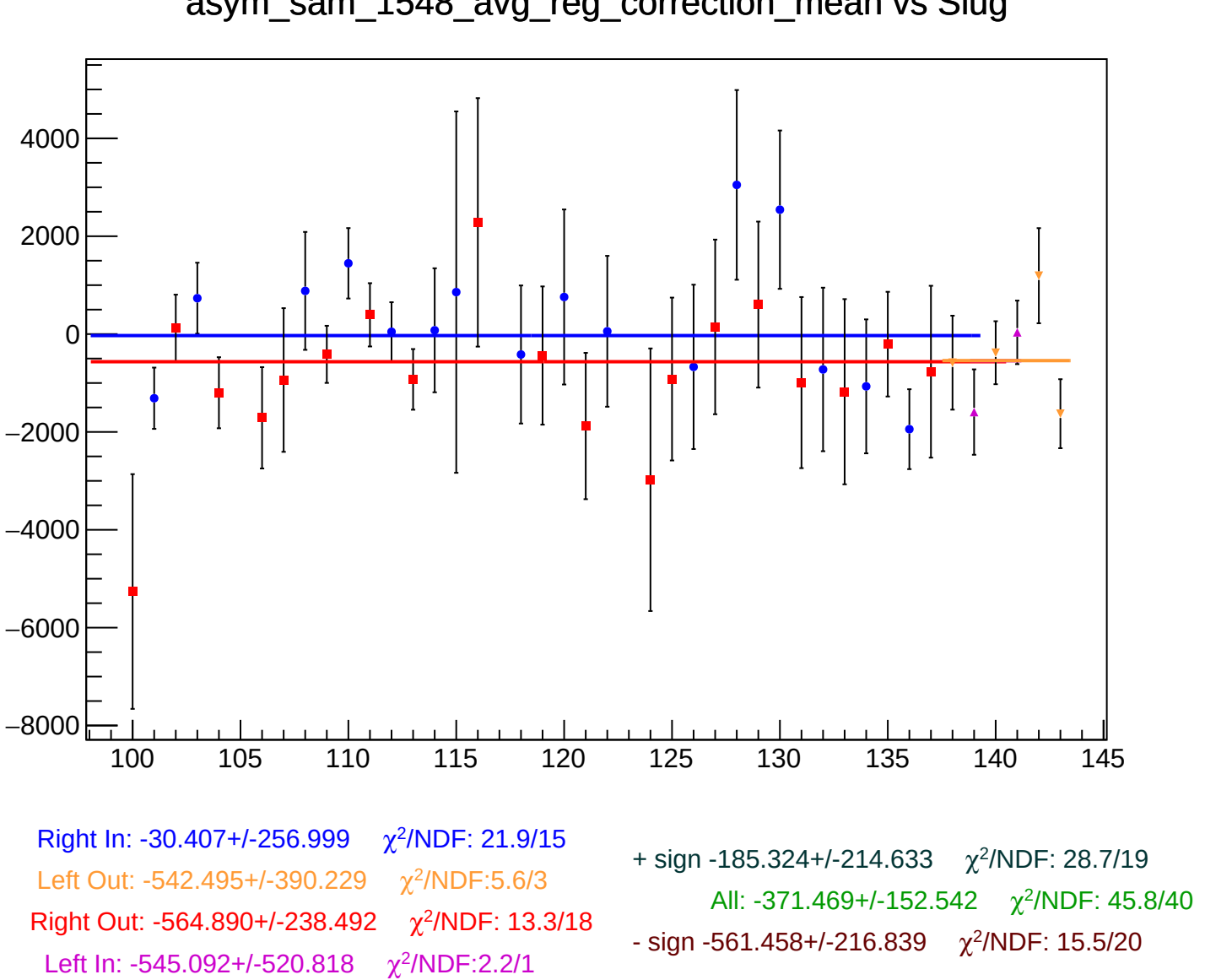
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

+ sign 84.128+/-0.019 χ^2/NDF: 884104.9/19

All: 82.261+/-0.014 χ^2/NDF: 1900217.2/40

- sign 80.351+/-0.019 χ^2/NDF: 997032.3/20



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -542.495+/-390.229 χ^2/NDF:5.6/3

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

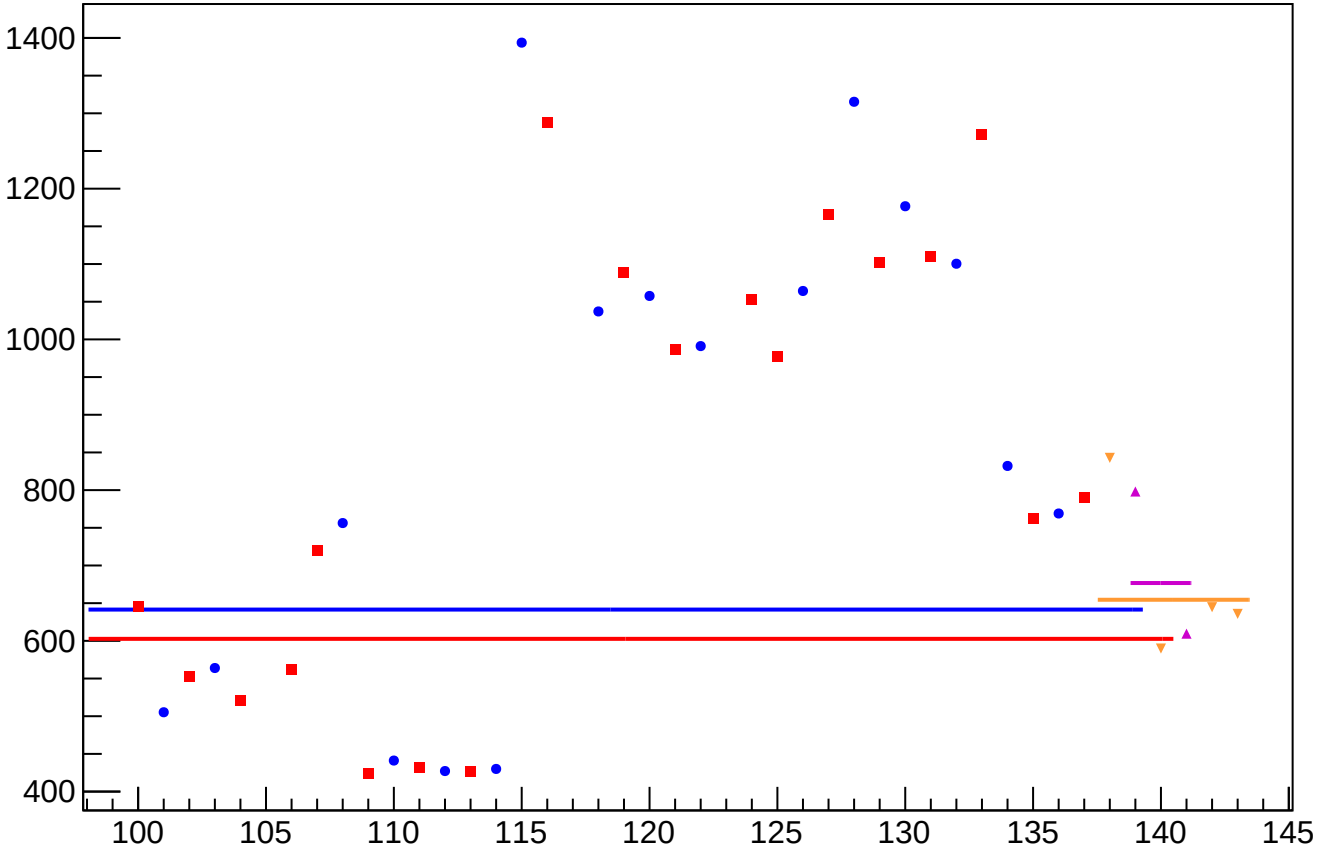
Left In: -545.092+/-520.818 χ^2/NDF:2.2/1

+ sign -185.324+/-214.633 χ^2/NDF: 28.7/19

All: -371.469+/-152.542 χ^2/NDF: 45.8/40

- sign -561.458+/-216.839 χ^2/NDF: 15.5/20

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 654.523+/-0.276 χ^2/NDF:98760.7/3

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

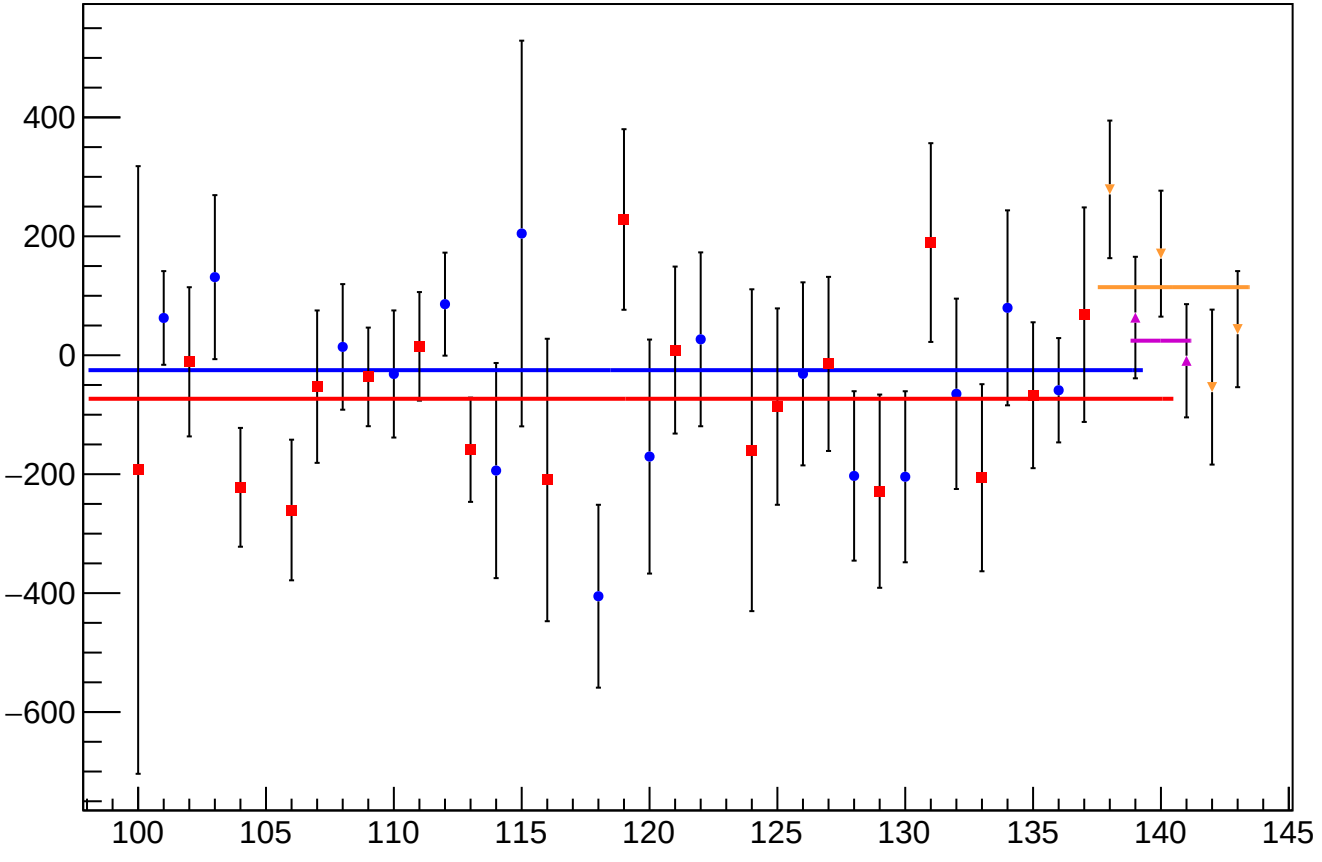
Left In: 676.735+/-0.368 χ^2/NDF:60167.3/1

+ sign 645.439+/-0.152 χ^2/NDF: 1975305.4/19

All: 630.620+/-0.108 χ^2/NDF: 4158495.0/40

- sign 615.495+/-0.153 χ^2/NDF: 2163925.3/20

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 114.503+/-55.239 χ^2/NDF:4.5/3

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

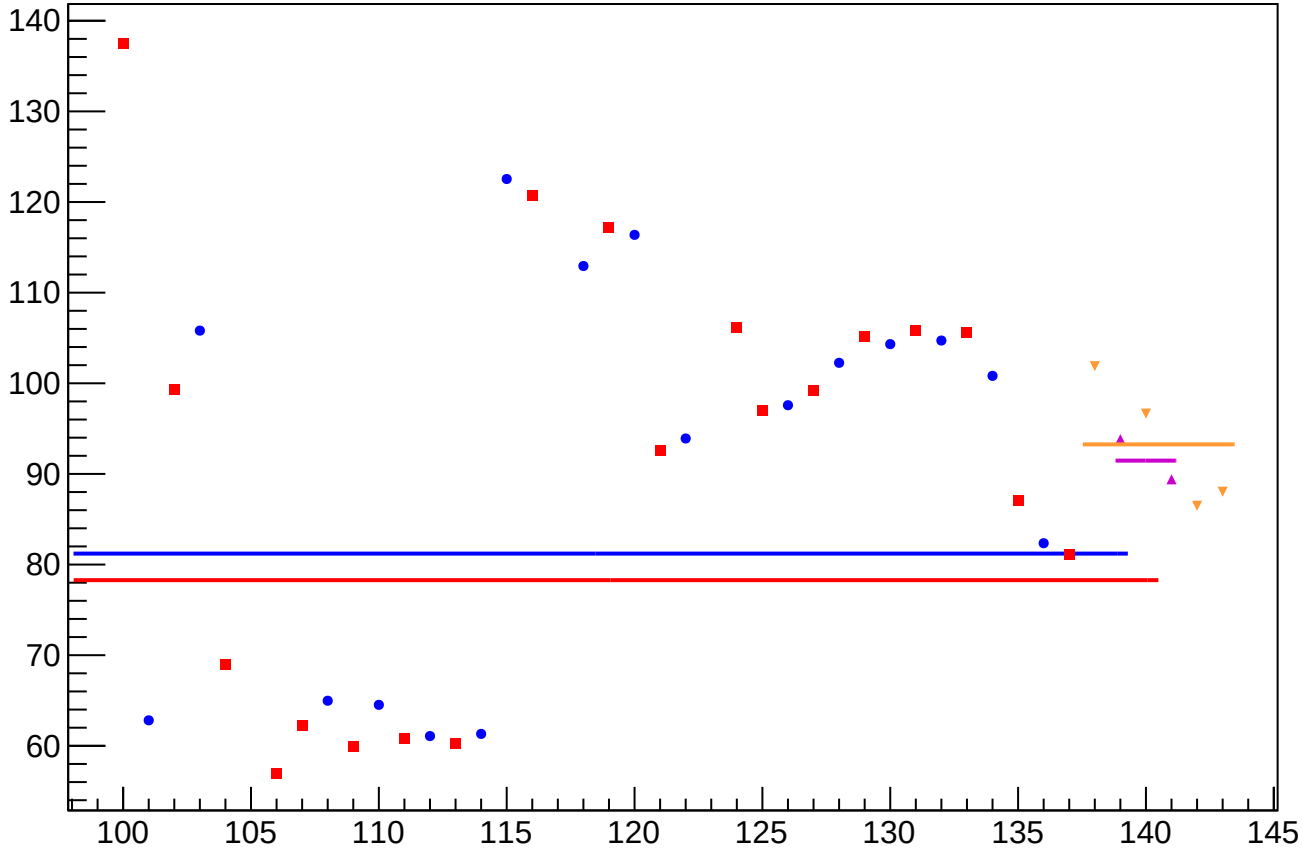
Left In: 24.489+/-69.657 χ^2/NDF:0.3/1

+ sign 8.732+/-27.186 χ^2/NDF: 25.5/19

All: -24.228+/-19.335 χ^2/NDF: 47.2/40

- sign -57.963+/-27.504 χ^2/NDF: 18.7/20

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

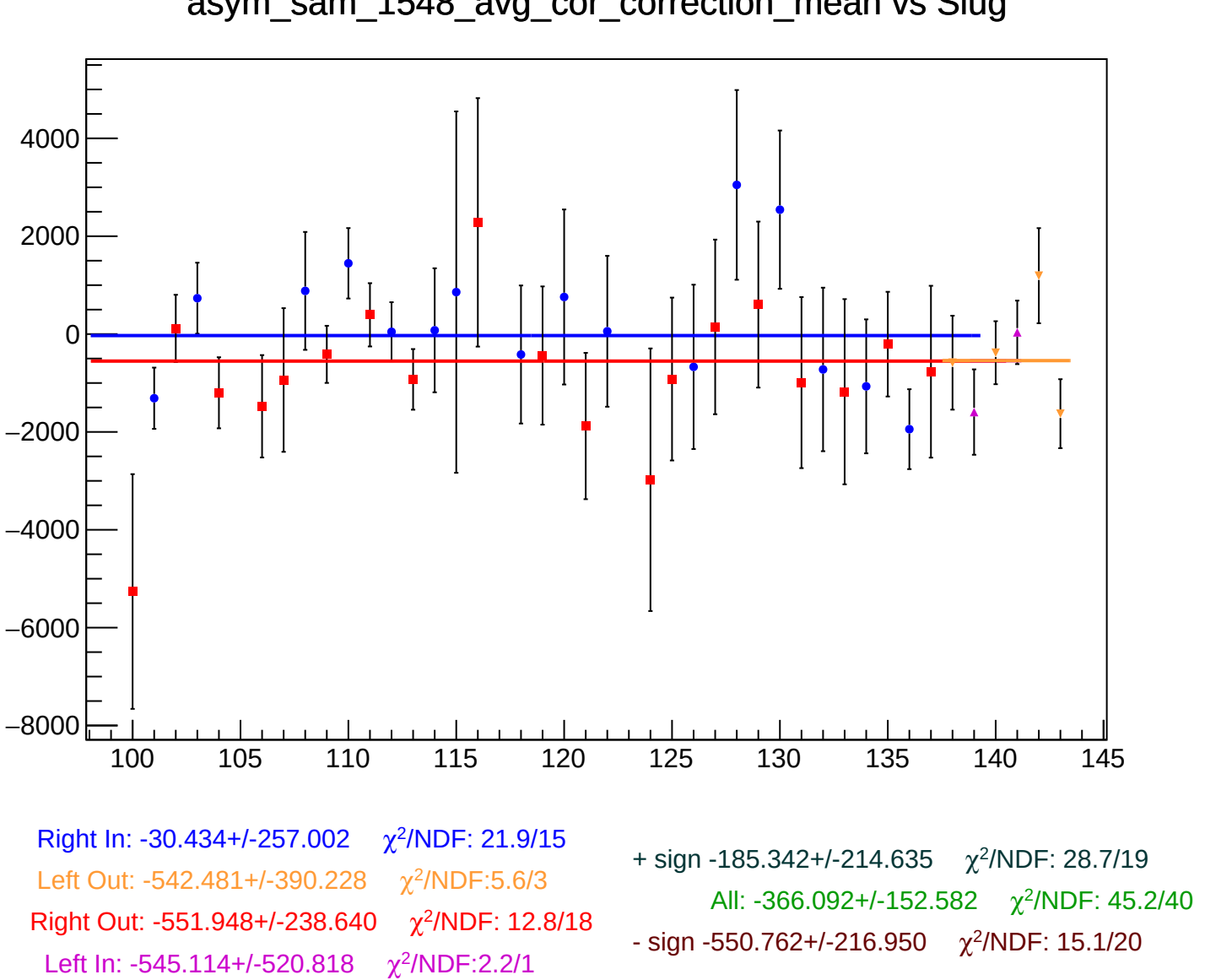
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

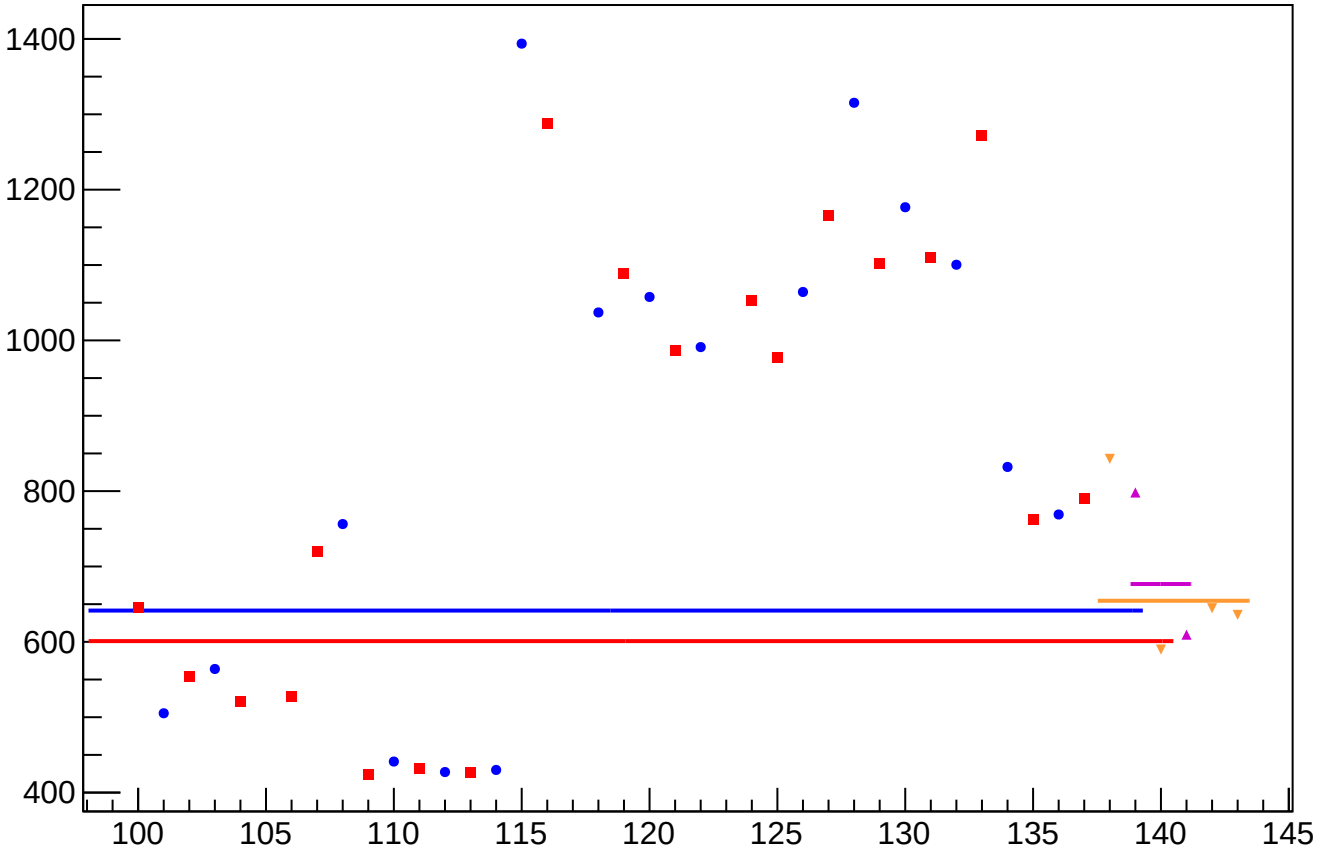
+ sign 84.128+/-0.019 χ^2/NDF: 884107.0/19

All: 82.254+/-0.014 χ^2/NDF: 1902683.9/40

- sign 80.335+/-0.019 χ^2/NDF: 999340.5/20


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: -542.481+/-390.228 χ²/NDF:5.6/3
Right Out: -551.948+/-238.640 χ²/NDF: 12.8/18
Left In: -545.114+/-520.818 χ²/NDF:2.2/1
+ sign -185.342+/-214.635 χ²/NDF: 28.7/19
All: -366.092+/-152.582 χ²/NDF: 45.2/40
- sign -550.762+/-216.950 χ²/NDF: 15.1/20

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 654.522+/-0.276 χ^2/NDF:98760.7/3

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

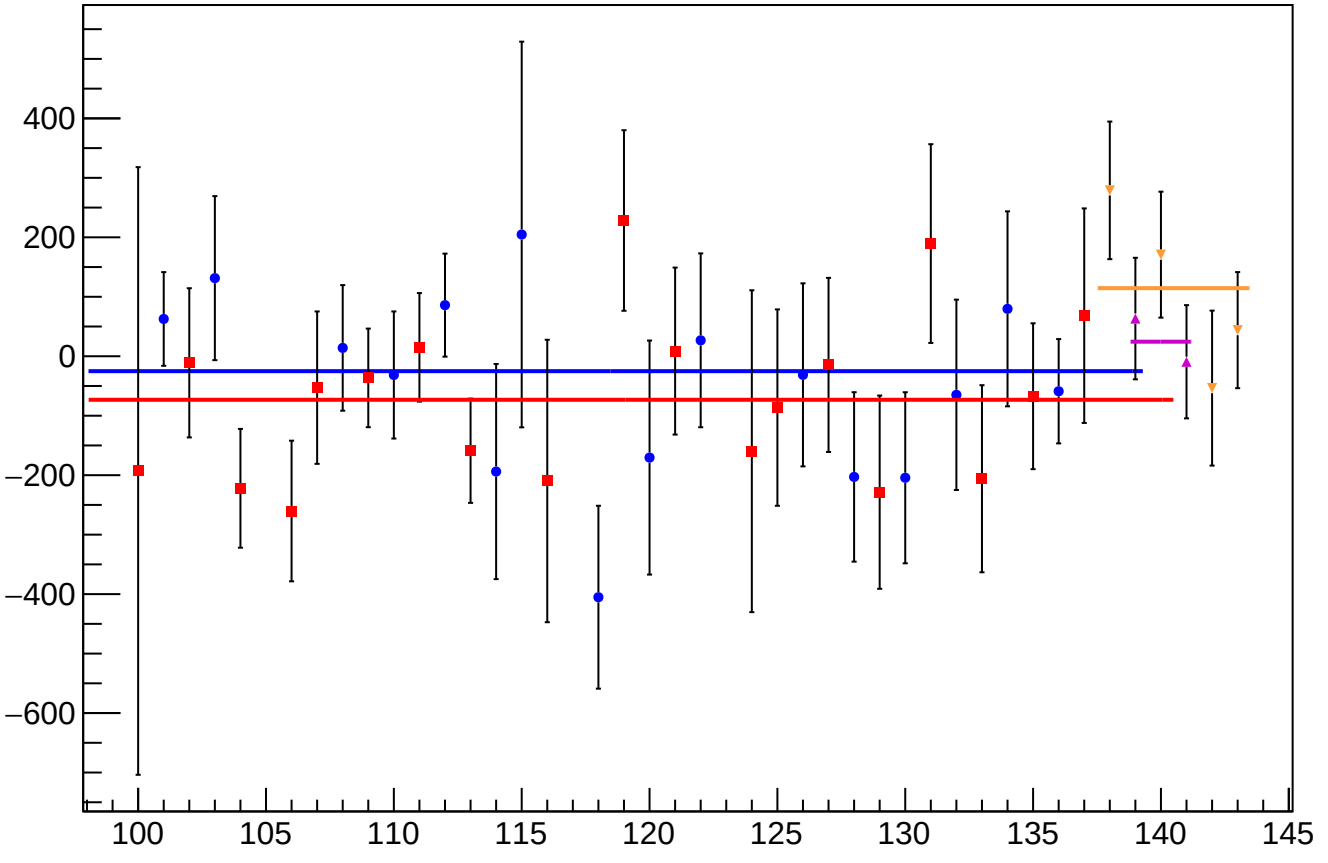
Left In: 676.735+/-0.368 χ^2/NDF:60166.1/1

+ sign 645.445+/-0.152 χ^2/NDF: 1975262.4/19

All: 629.951+/-0.108 χ^2/NDF: 4168706.8/40

- sign 614.121+/-0.153 χ^2/NDF: 2172374.6/20

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 114.503+/-55.239 χ^2/NDF:4.5/3

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

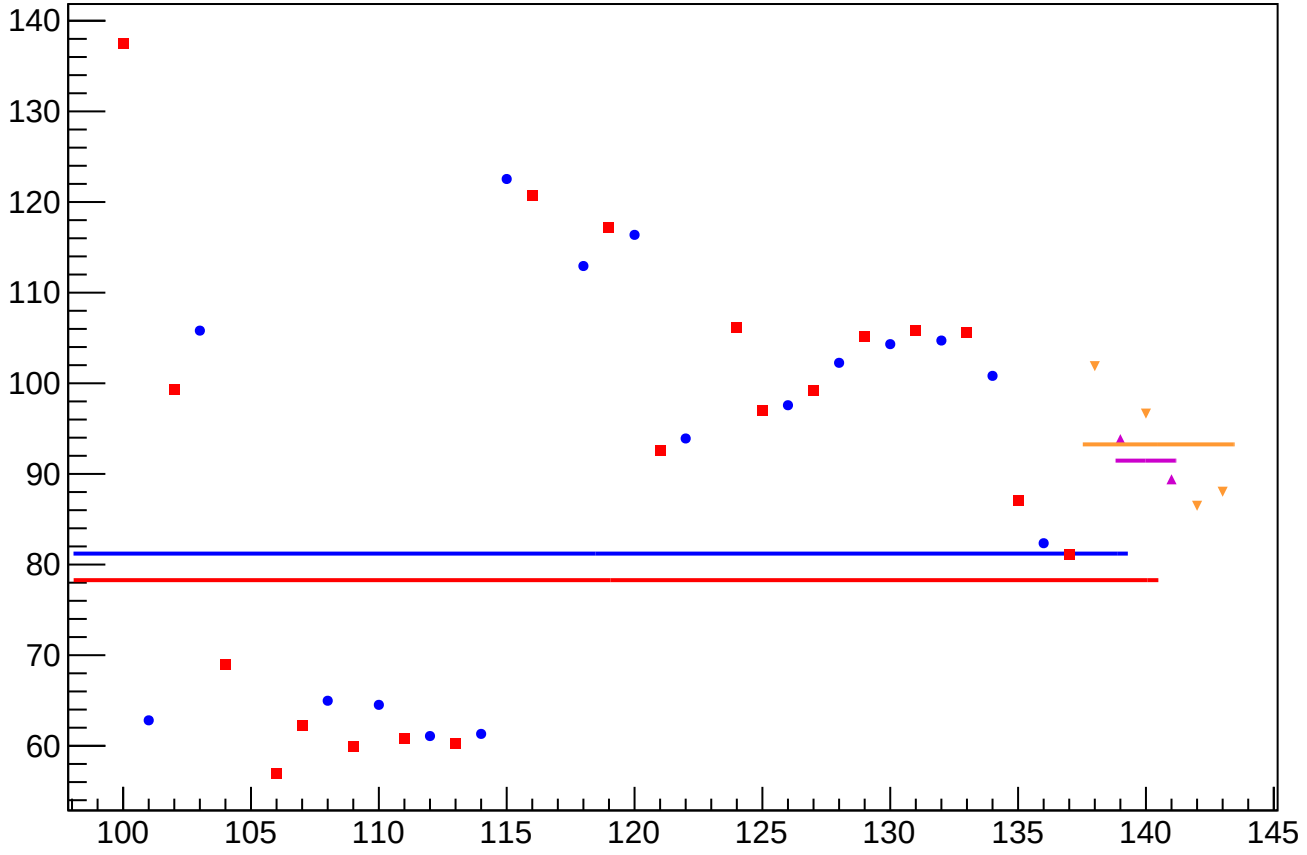
Left In: 24.489+/-69.657 χ^2/NDF:0.3/1

+ sign 8.732+/-27.186 χ^2/NDF: 25.5/19

All: -24.228+/-19.335 χ^2/NDF: 47.2/40

- sign -57.963+/-27.504 χ^2/NDF: 18.7/20

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

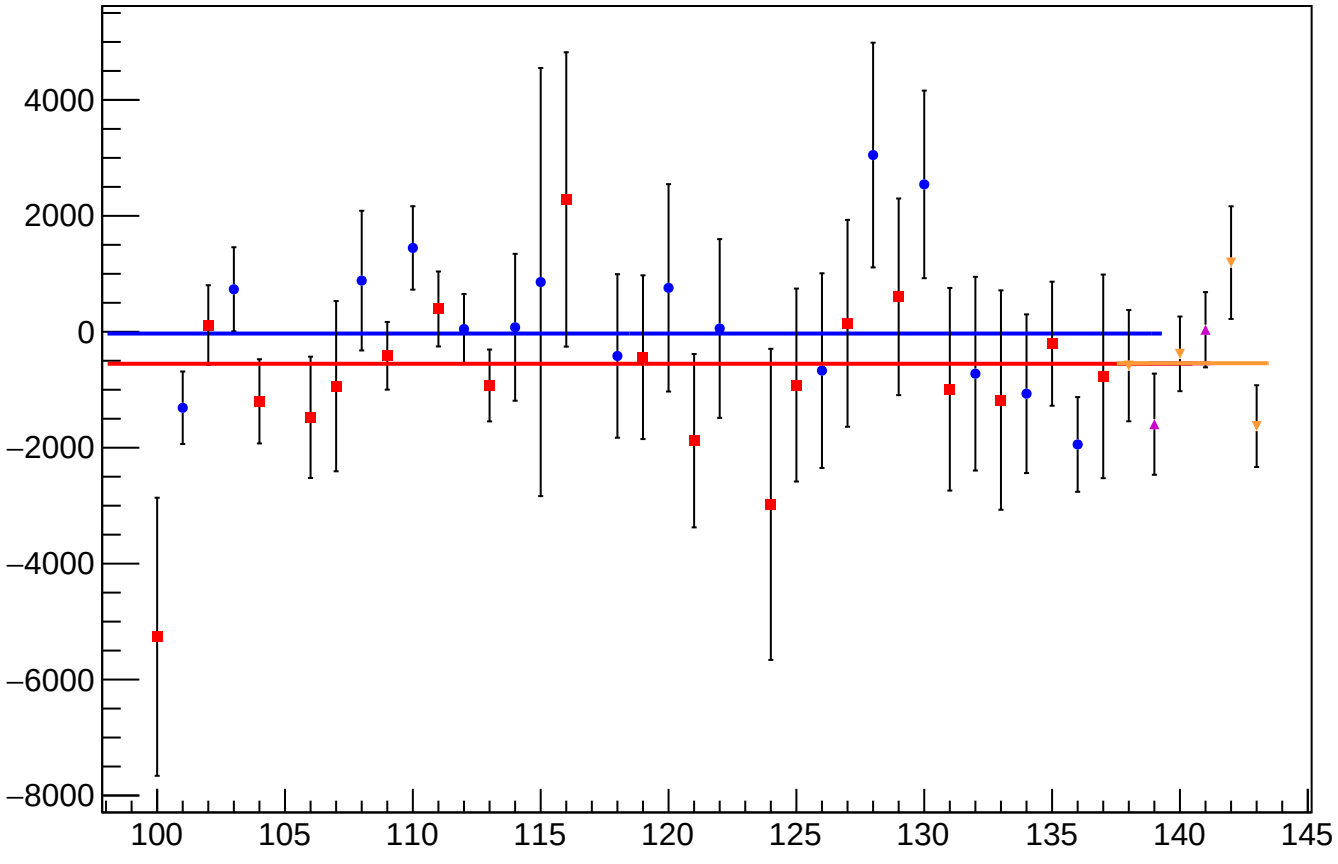
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

+ sign 84.128+/-0.019 χ^2/NDF: 884107.0/19

All: 82.254+/-0.014 χ^2/NDF: 1902683.9/40

- sign 80.335+/-0.019 χ^2/NDF: 999340.5/20



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -542.481+/-390.228 χ^2/NDF:5.6/3

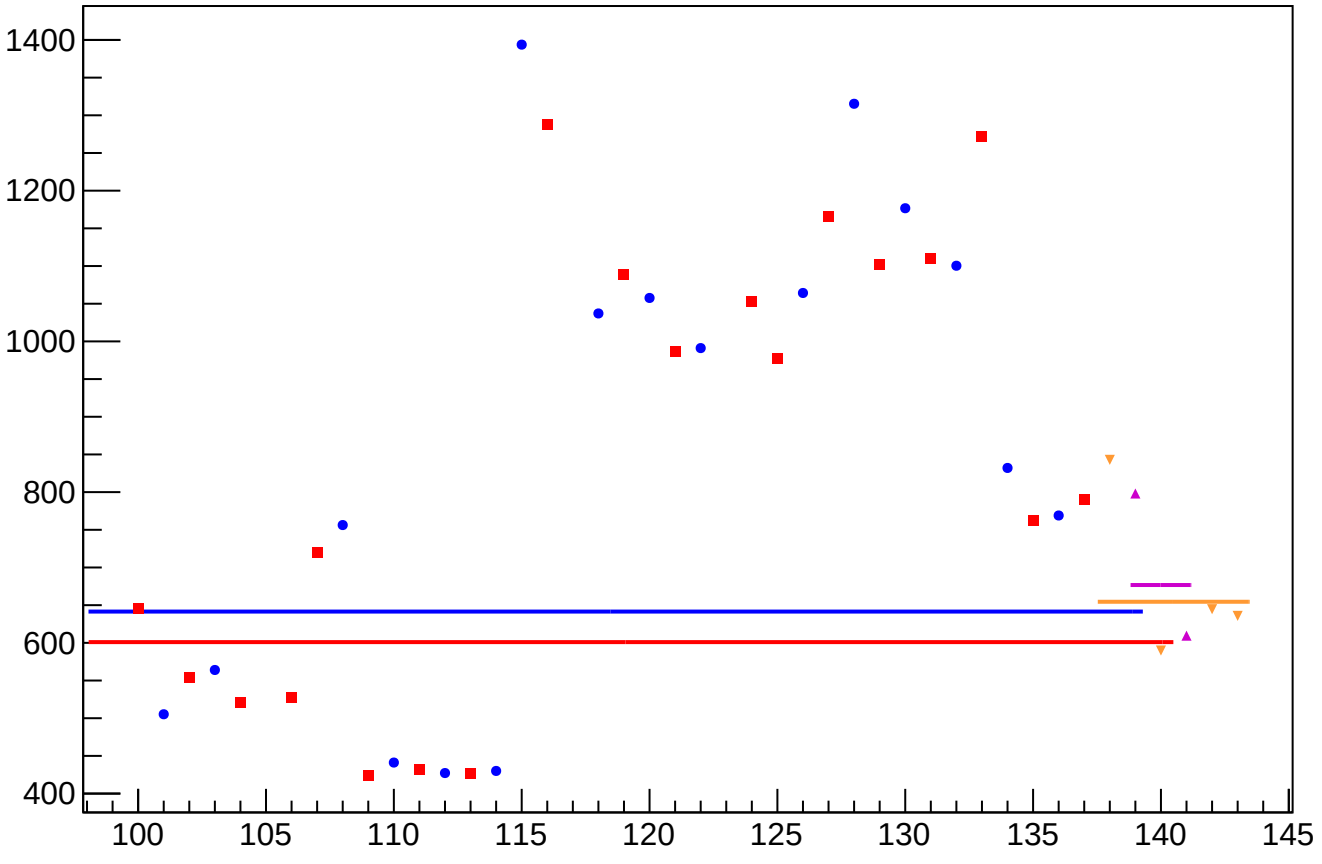
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -545.114+/-520.818 χ^2/NDF:2.2/1

+ sign -185.342+/-214.635 χ^2/NDF: 28.7/19

All: -366.092+/-152.582 χ^2/NDF: 45.2/40

- sign -550.762+/-216.950 χ^2/NDF: 15.1/20



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 654.522+/-0.276 χ^2/NDF:98760.7/3

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

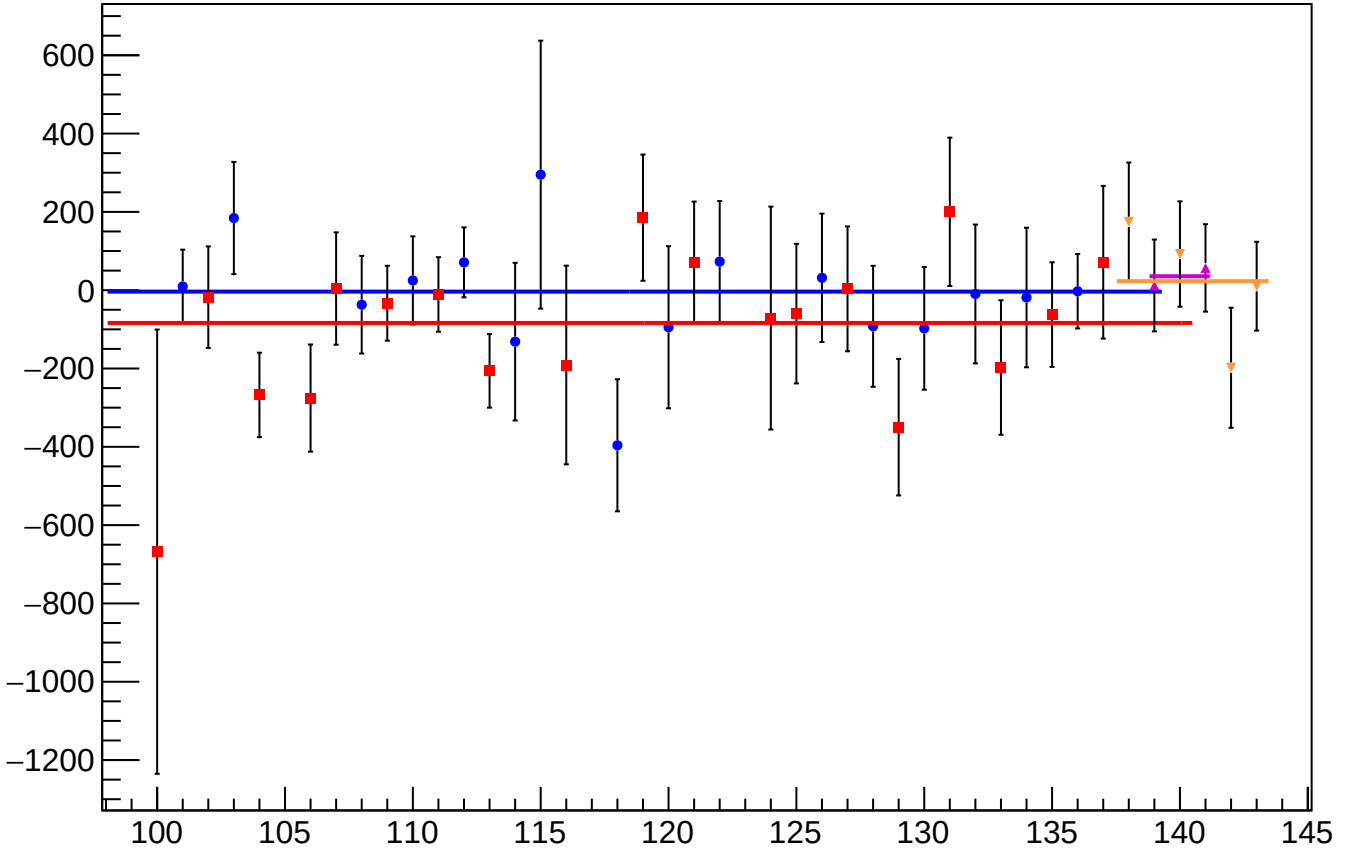
Left In: 676.735+/-0.368 χ^2/NDF:60166.1/1

+ sign 645.445+/-0.152 χ^2/NDF: 1975262.4/19

All: 629.951+/-0.108 χ^2/NDF: 4168706.8/40

- sign 614.121+/-0.153 χ^2/NDF: 2172374.6/20

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.127+/-67.576 χ^2/NDF:3.4/3

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

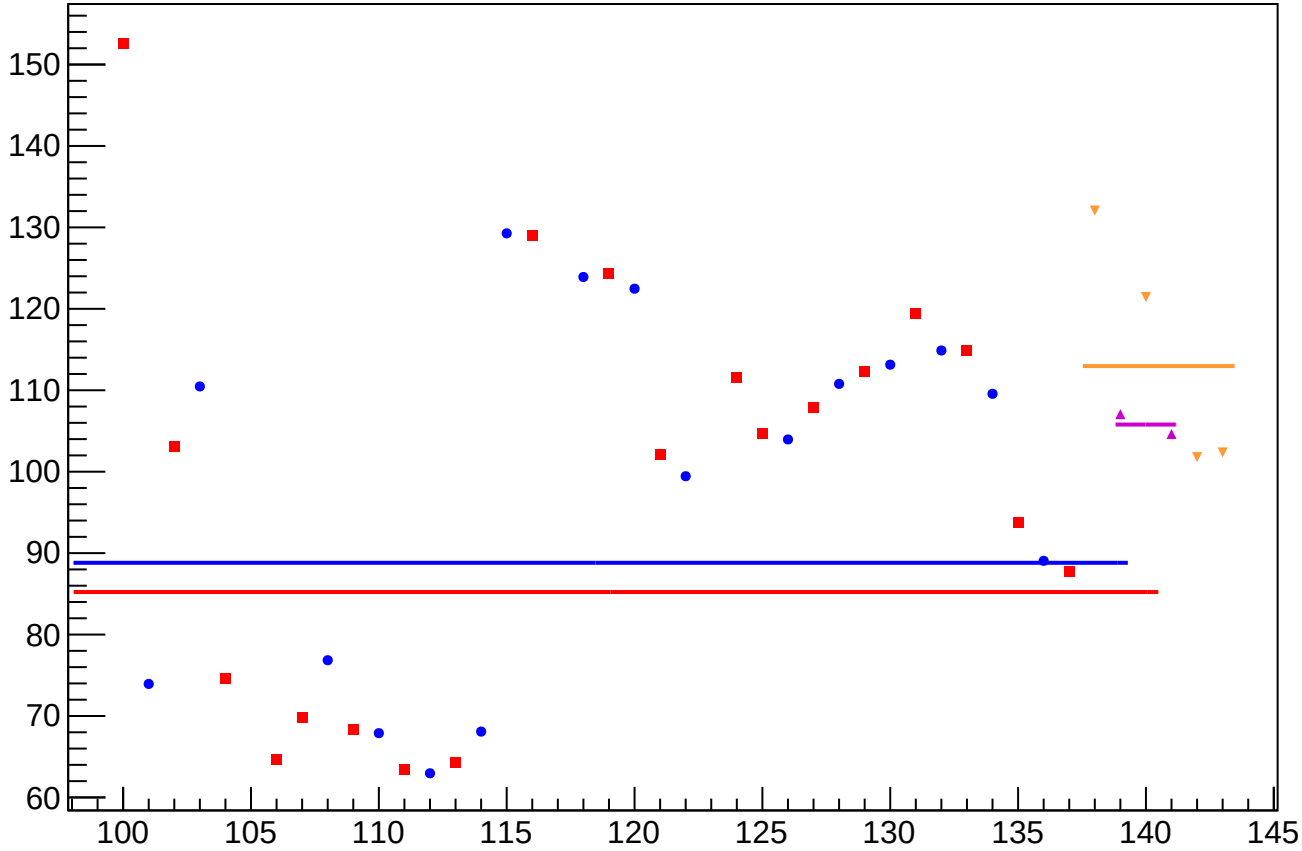
Left In: 35.594+/-80.873 χ^2/NDF:0.1/1

+ sign 1.810+/-30.481 χ^2/NDF: 13.8/19

All: -32.831+/-21.475 χ^2/NDF: 37.4/40

- sign -66.976+/-30.262 χ^2/NDF: 21.0/20

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 112.968+/-0.048 χ^2/NDF:67781.6/3

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

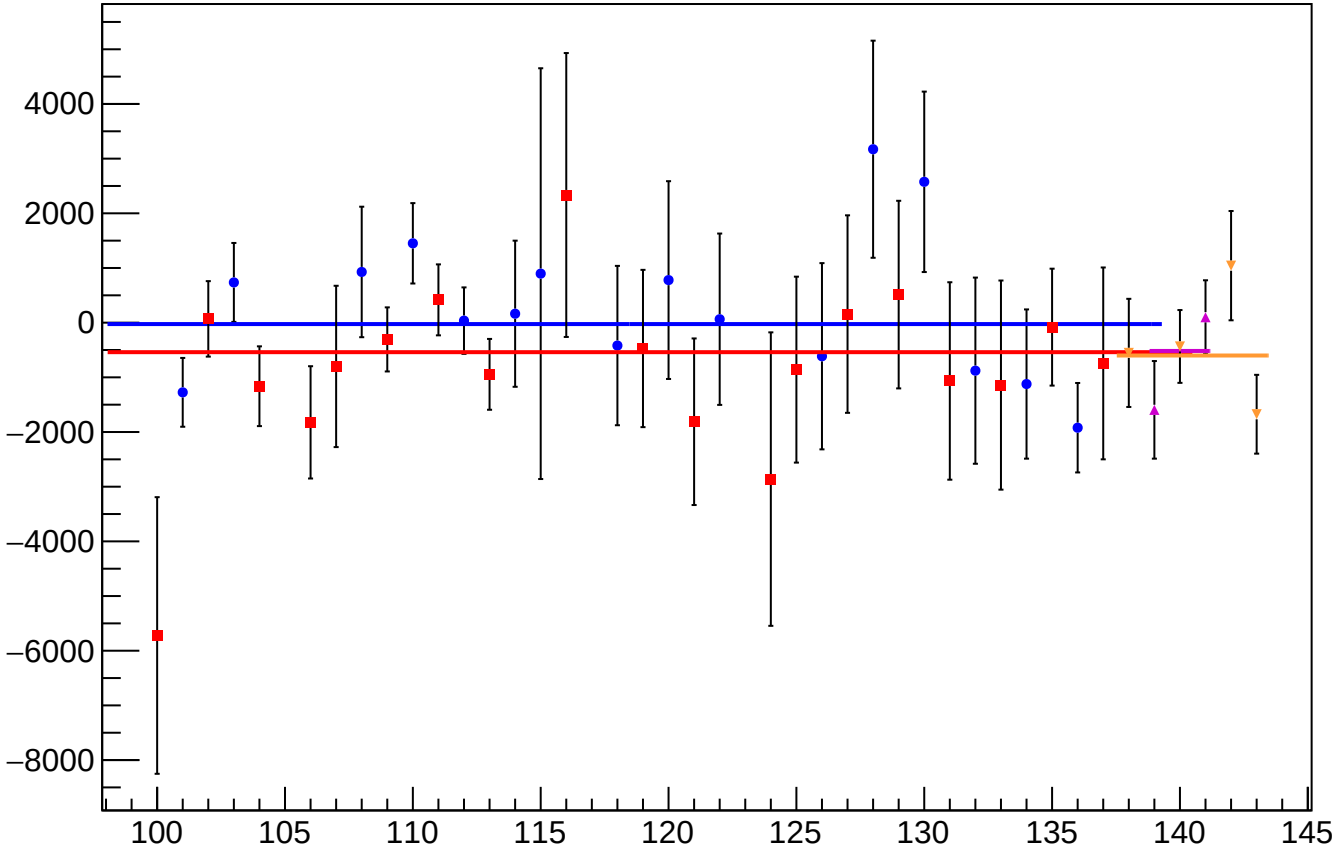
Left In: 105.790+/-0.057 χ^2/NDF:453.2/1

+ sign 93.728+/-0.022 χ^2/NDF: 995934.8/19

All: 90.896+/-0.015 χ^2/NDF: 2025961.6/40

- sign 88.104+/-0.021 χ^2/NDF: 995743.6/20

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -600.755+/-401.462 χ^2/NDF:5.0/3

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

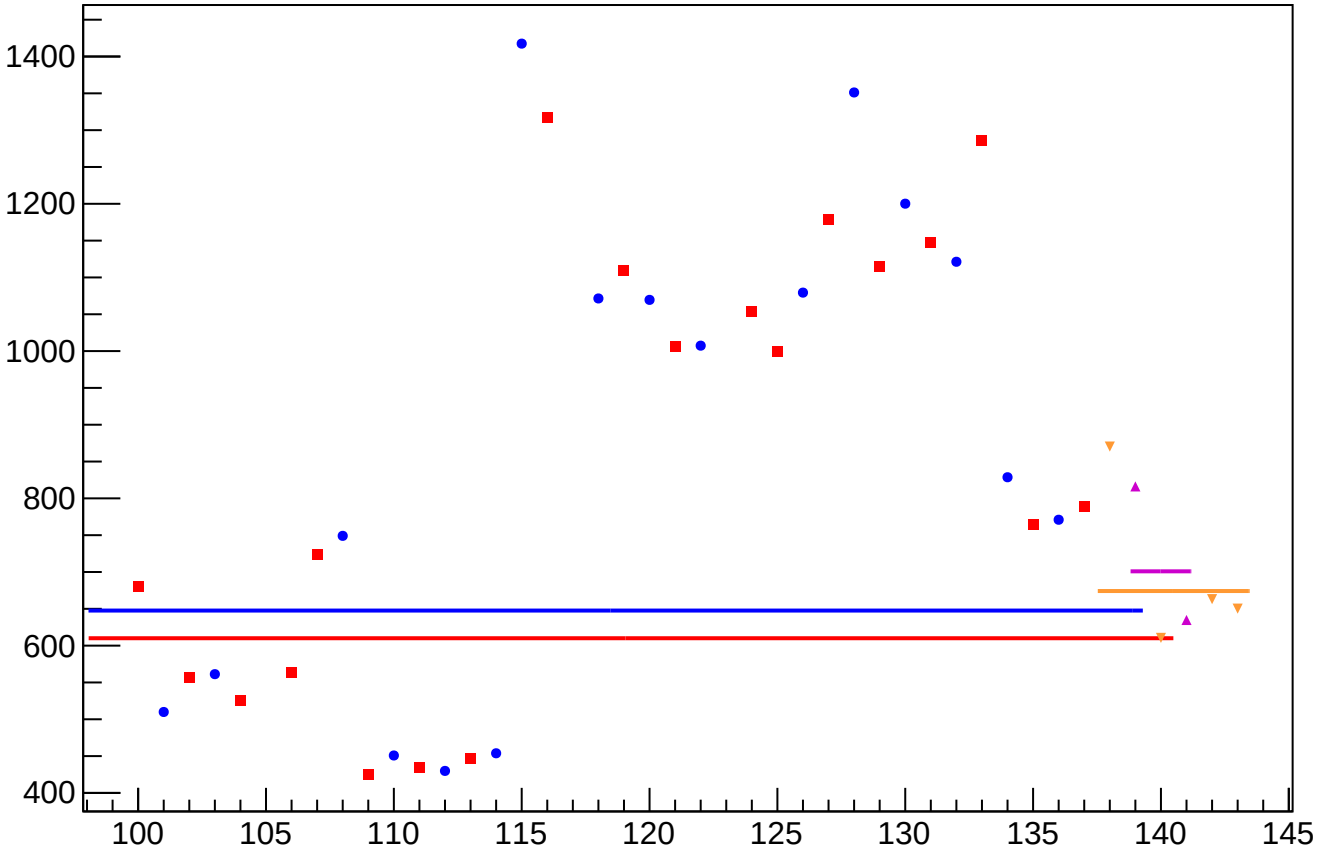
Left In: -517.420+/-538.679 χ^2/NDF:2.3/1

+ sign -195.122+/-217.877 χ^2/NDF: 28.0/19

All: -363.740+/-154.866 χ^2/NDF: 45.1/40

- sign -535.924+/-220.169 χ^2/NDF: 15.9/20

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 674.156+/-0.284 χ^2/NDF:99409.3/3

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

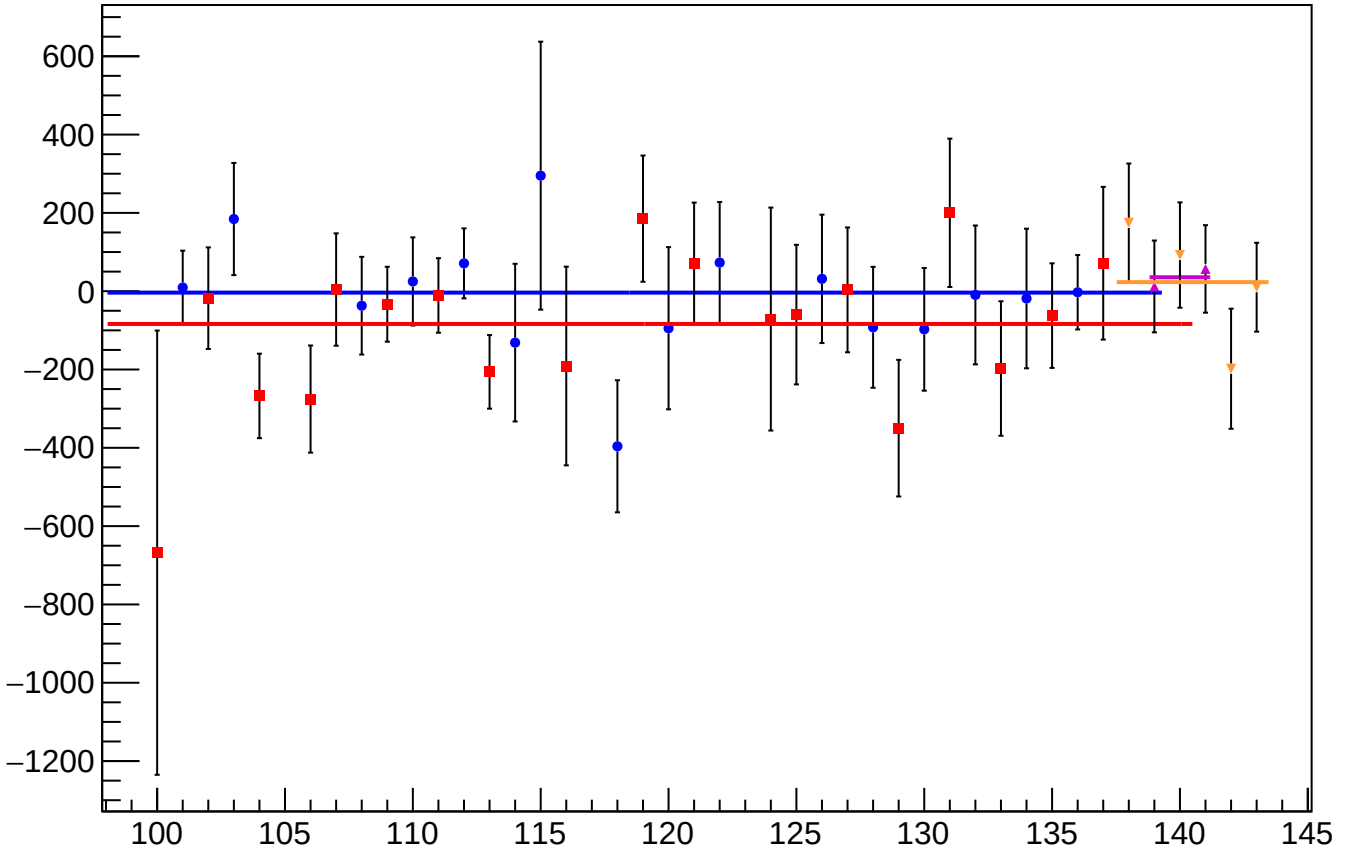
Left In: 700.913+/-0.381 χ^2/NDF:52503.9/1

+ sign 655.450+/-0.154 χ^2/NDF: 1993380.0/19

All: 640.502+/-0.110 χ^2/NDF: 4186546.8/40

- sign 625.238+/-0.156 χ^2/NDF: 2174138.9/20

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.128+/-67.577 χ^2/NDF:3.4/3

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

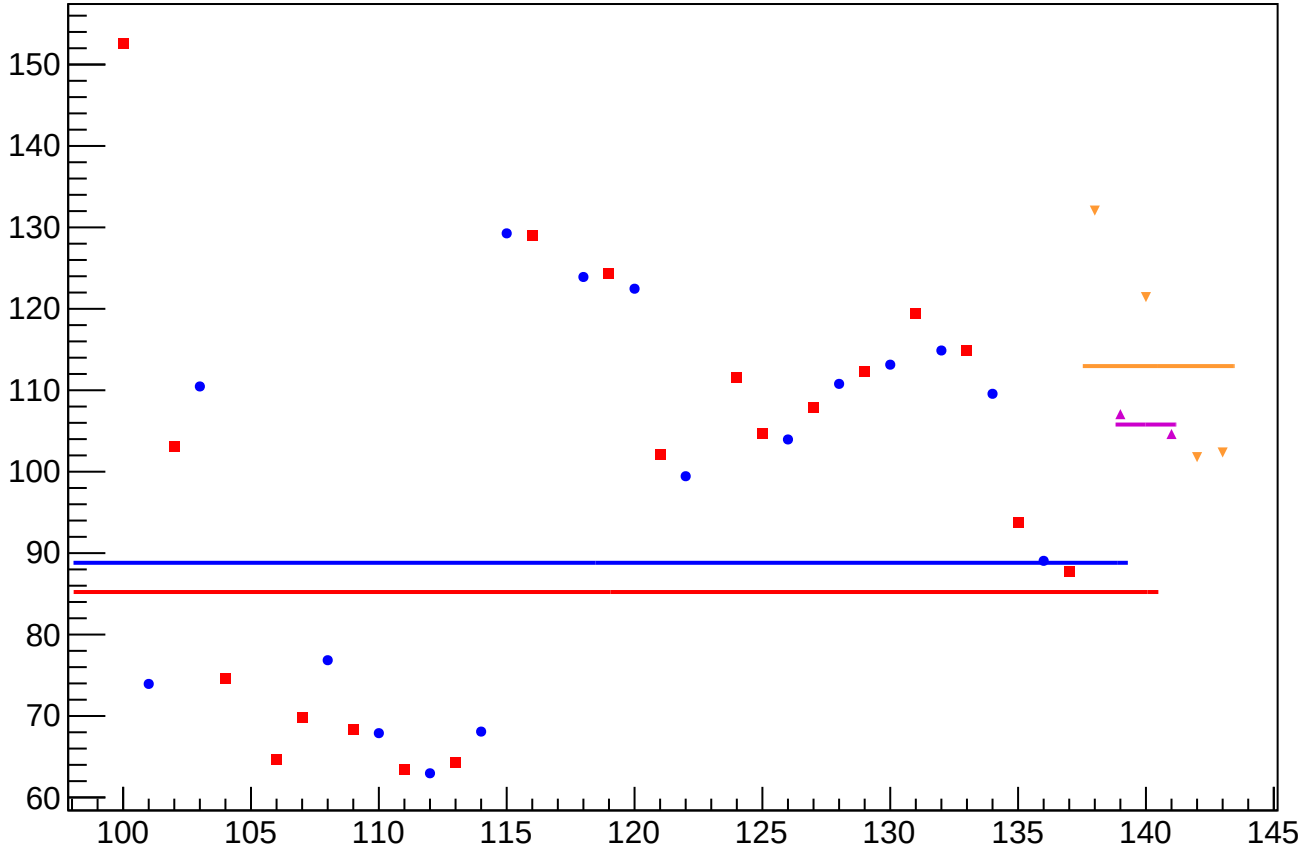
Left In: 35.594+/-80.873 χ^2/NDF:0.1/1

+ sign 1.811+/-30.481 χ^2/NDF: 13.8/19

All: -32.830+/-21.475 χ^2/NDF: 37.4/40

- sign -66.976+/-30.262 χ^2/NDF: 21.0/20

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 112.968+/-0.048 χ^2/NDF:67781.1/3

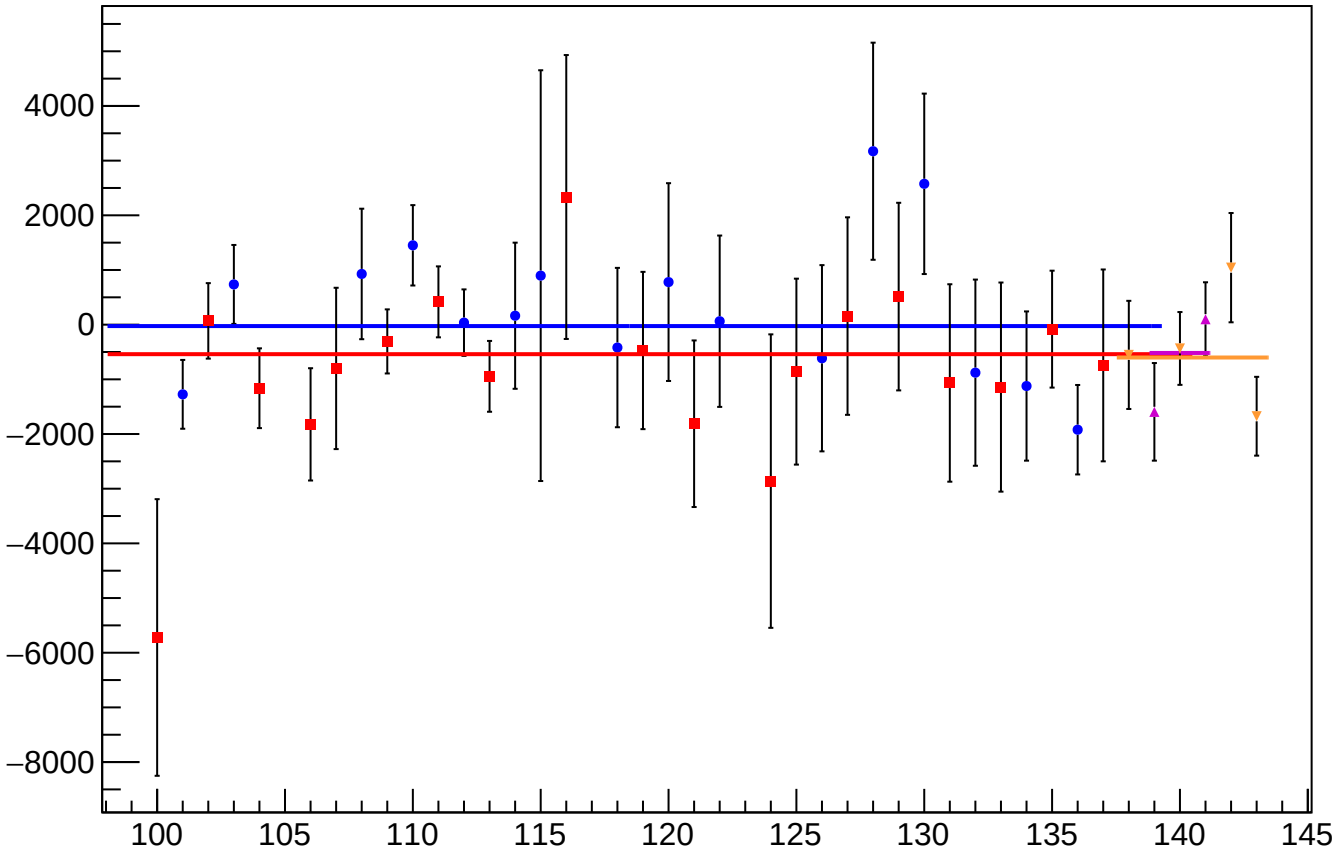
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 105.790+/-0.057 χ^2/NDF:453.1/1

+ sign 93.728+/-0.022 χ^2/NDF: 995937.5/19

All: 90.896+/-0.015 χ^2/NDF: 2025968.7/40

- sign 88.104+/-0.021 χ^2/NDF: 995747.7/20



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -600.755+/-401.461 χ^2/NDF:5.0/3

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

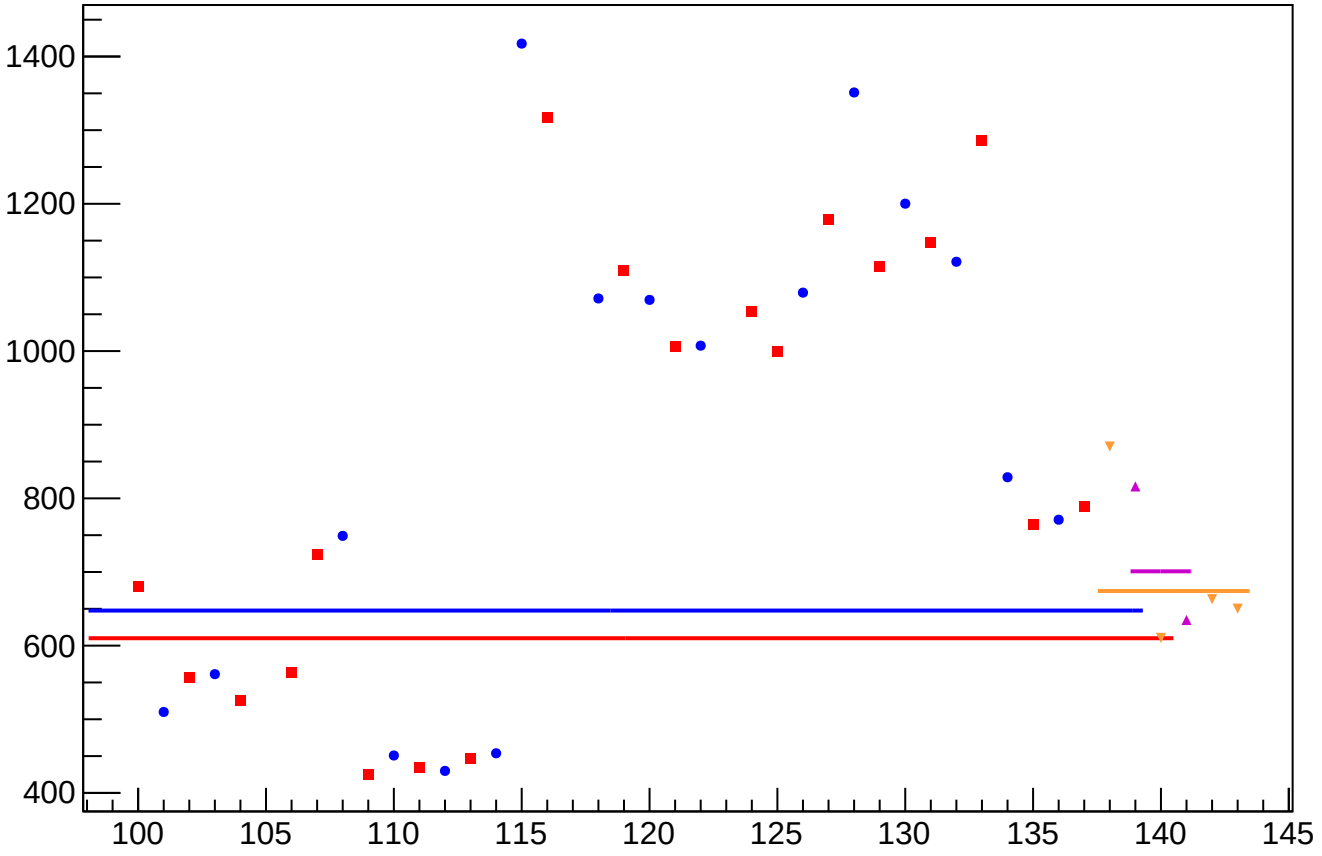
Left In: -517.421+/-538.678 χ^2/NDF:2.3/1

\+ sign -195.122+/-217.876 χ^2/NDF: 28.0/19

All: -363.740+/-154.866 χ^2/NDF: 45.1/40

\- sign -535.924+/-220.168 χ^2/NDF: 15.9/20

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 674.156+/-0.284 χ^2/NDF:99409.1/3

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

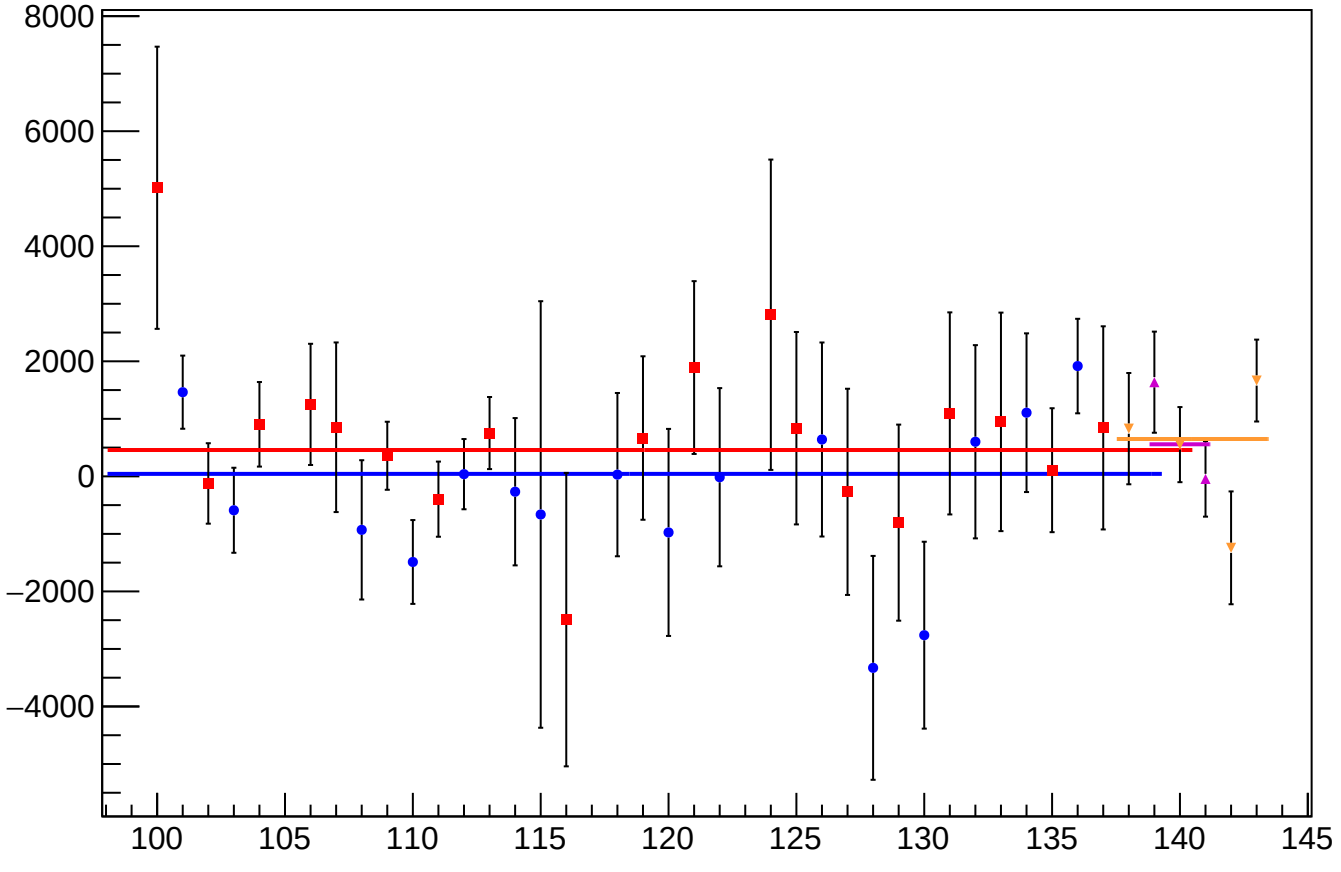
Left In: 700.912+/-0.381 χ^2/NDF:52504.1/1

+ sign 655.450+/-0.154 χ^2/NDF: 1993384.8/19

All: 640.501+/-0.110 χ^2/NDF: 4186555.0/40

- sign 625.237+/-0.156 χ^2/NDF: 2174142.3/20

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 649.528+/-394.412 χ^2/NDF:5.8/3

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

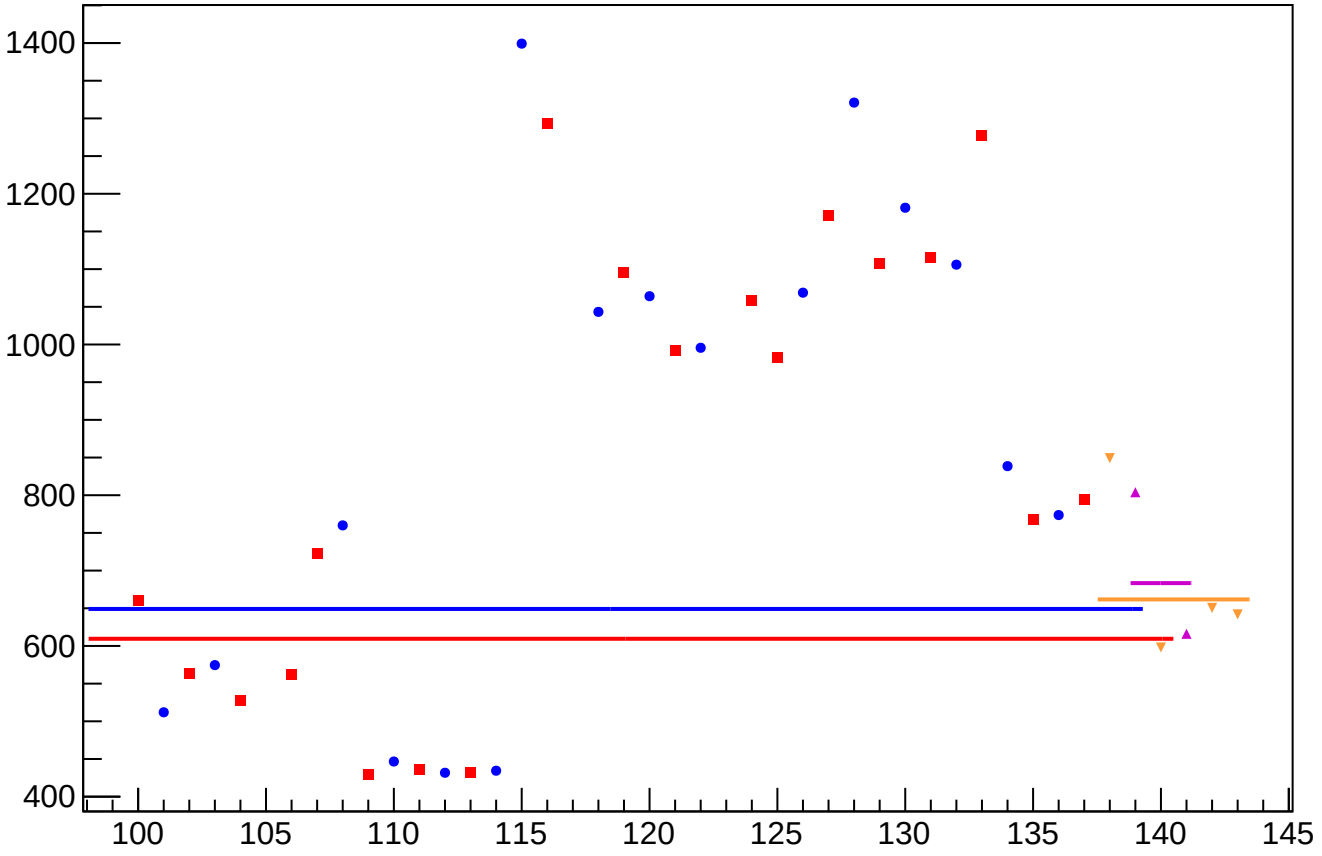
Left In: 557.490+/-525.774 χ^2/NDF:2.4/1

+ sign 226.635+/-216.959 χ^2/NDF: 30.7/19

All: 349.746+/-154.189 χ^2/NDF: 45.0/40

- sign 475.380+/-219.170 χ^2/NDF: 13.6/20

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 661.726+/-0.279 χ^2/NDF:96017.3/3

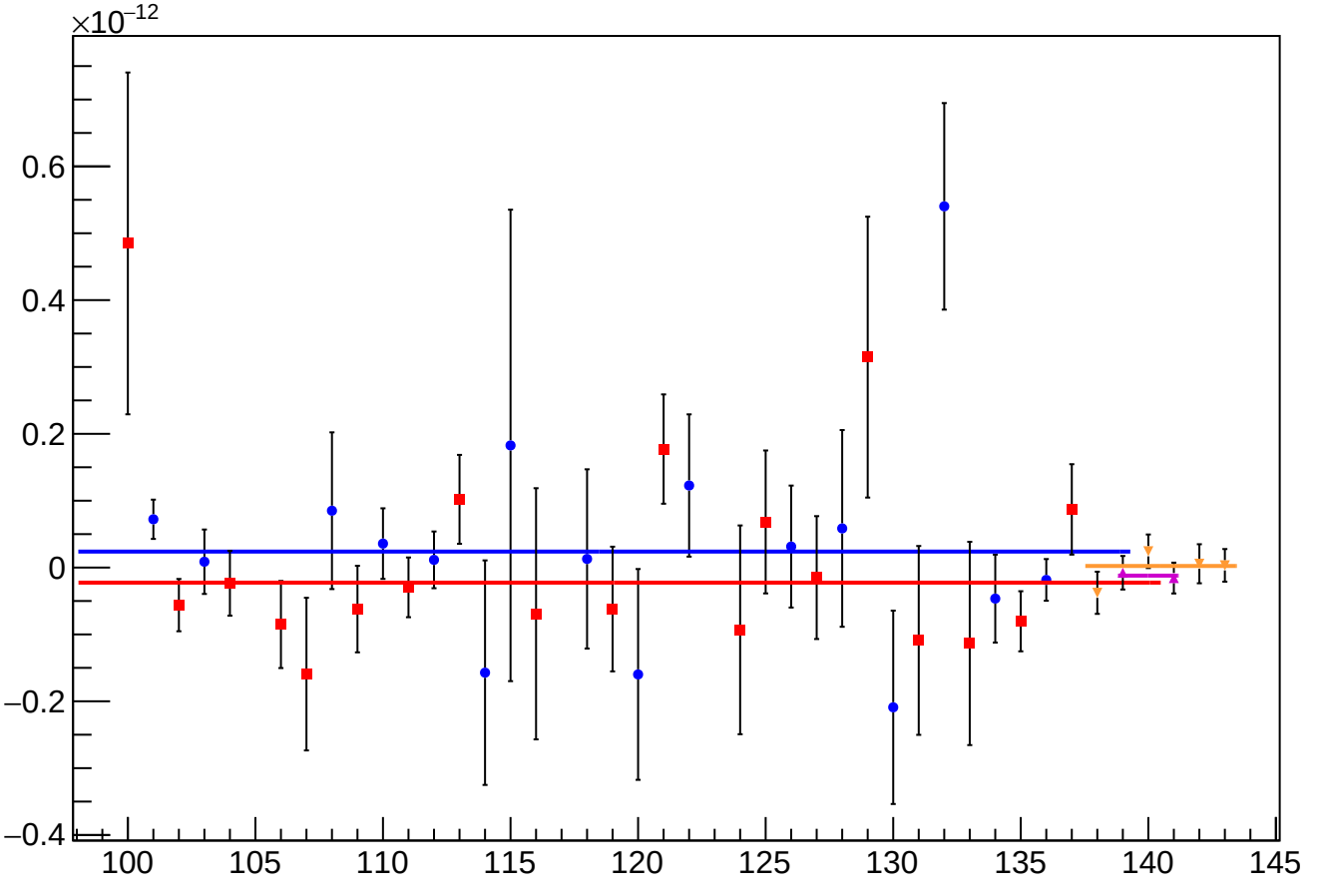
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 683.385+/-0.372 χ^2/NDF:58636.1/1

+ sign 652.914+/-0.153 χ^2/NDF: 1943264.5/19

All: 637.788+/-0.109 χ^2/NDF: 4097751.4/40

- sign 622.352+/-0.155 χ^2/NDF: 2134845.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/3

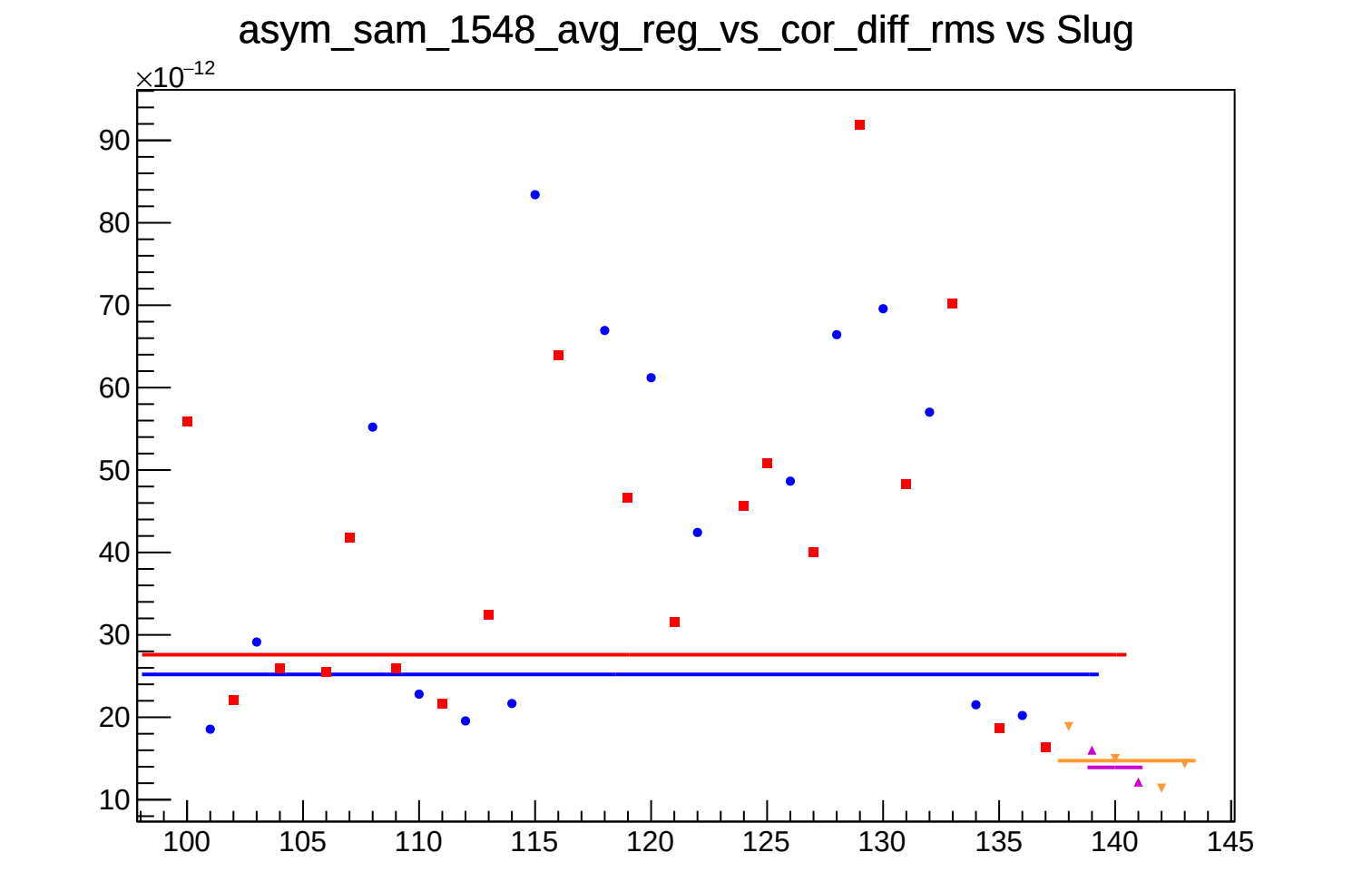
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 27.1/19

All: -0.000+/-0.000 χ^2/NDF: 56.7/40

- sign -0.000+/-0.000 χ^2/NDF: 25.9/20


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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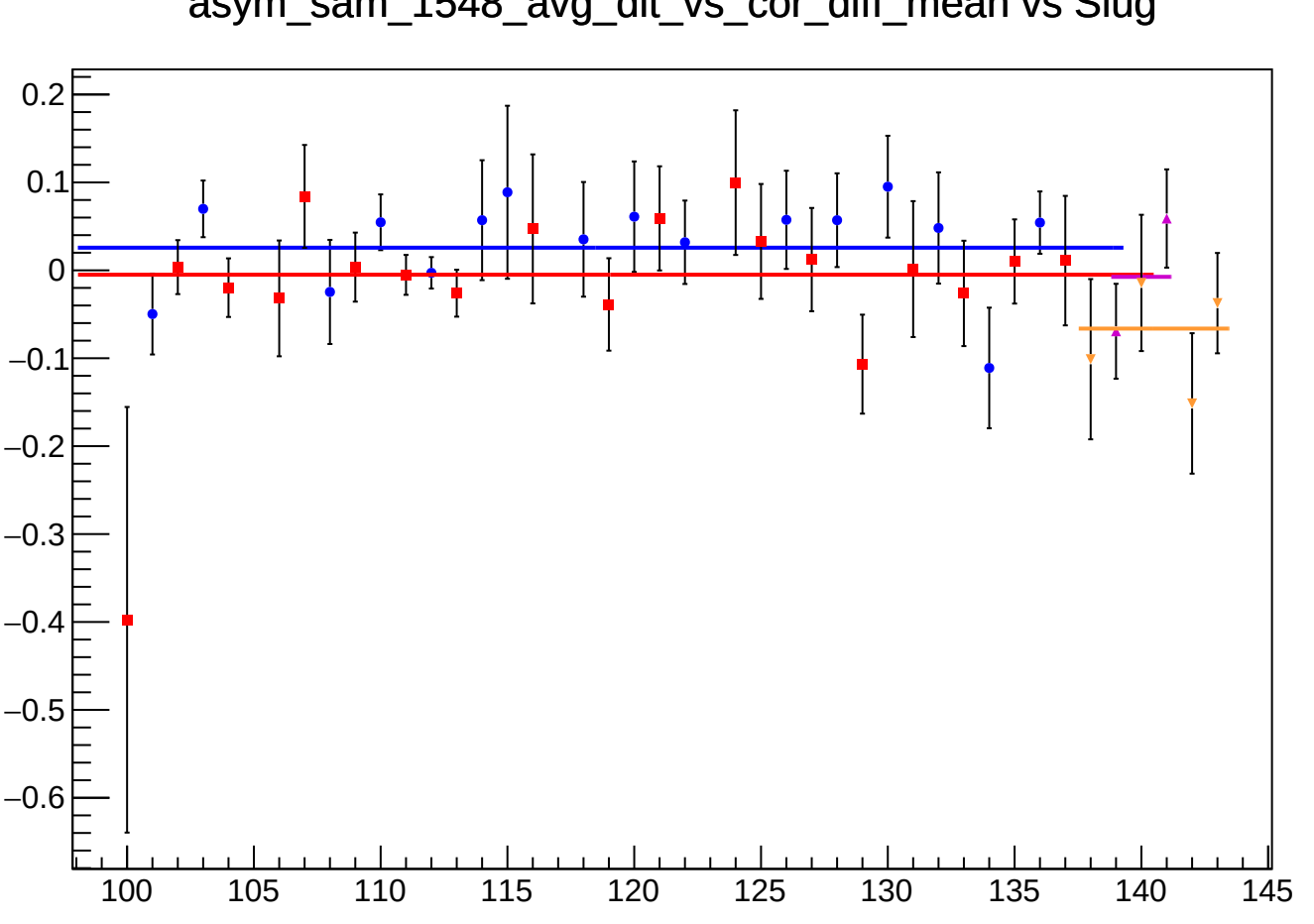
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:61164.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:25841.3/1
+ sign 0.000+/-0.000 χ²/NDF: 1901491.8/19
All: 0.000+/-0.000 χ²/NDF: 3612046.5/40
- sign 0.000+/-0.000 χ²/NDF: 1688139.4/20



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

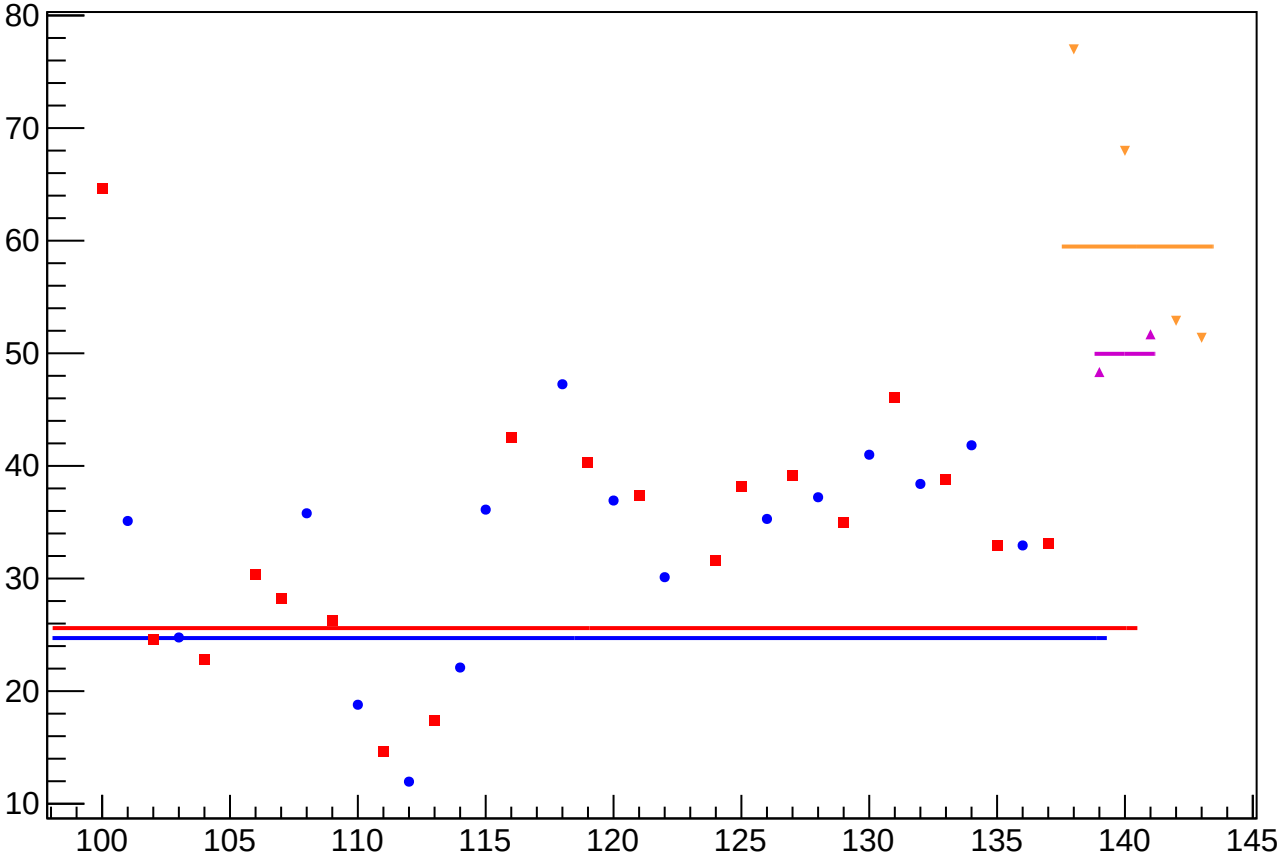
Left In: -0.007+/-0.039 χ^2/NDF:2.7/1

+ sign 0.019+/-0.010 χ^2/NDF: 24.4/19

All: 0.007+/-0.007 χ^2/NDF: 43.6/40

- sign -0.005+/-0.010 χ^2/NDF: 16.3/20

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: 59.481+/-0.026 χ^2/NDF:151797.9/3

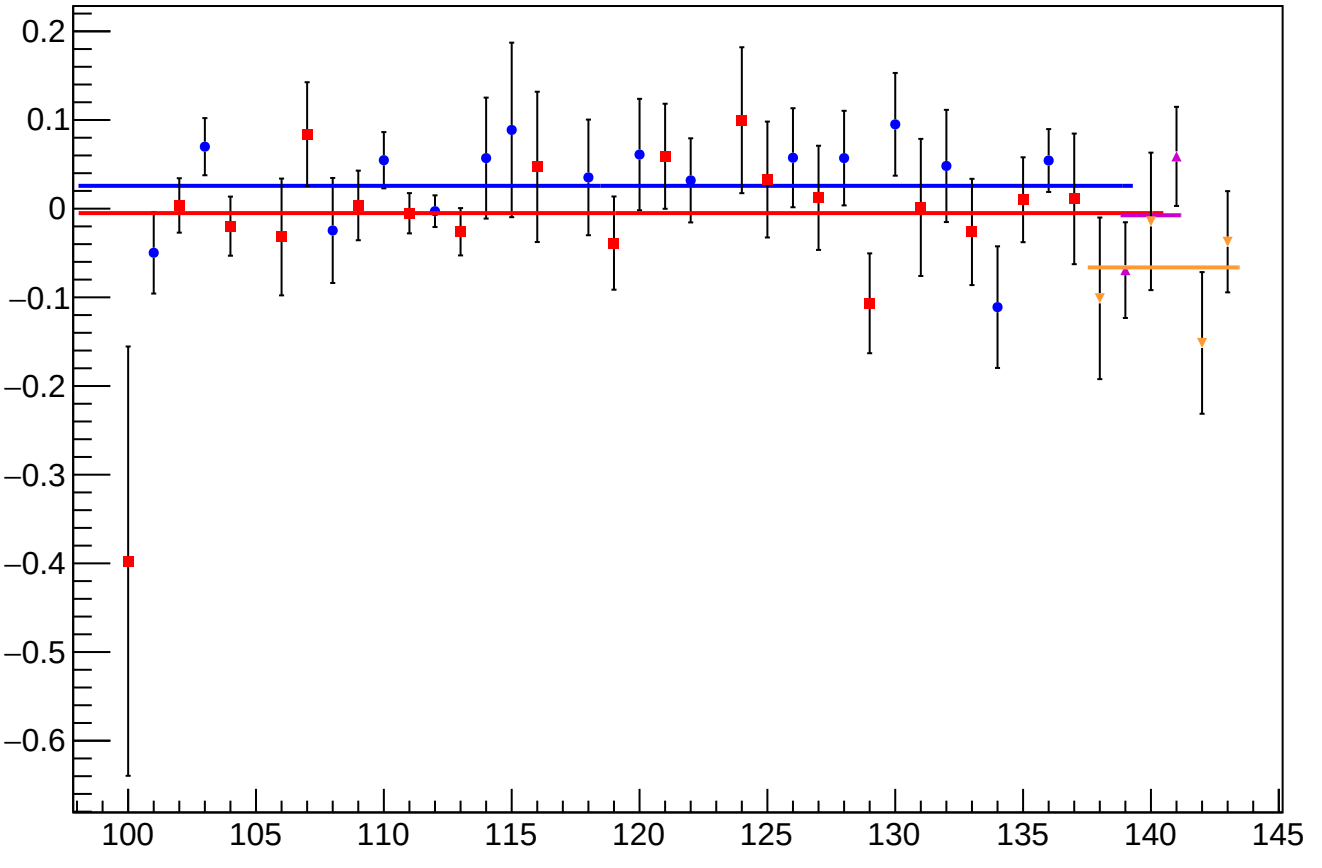
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 49.954+/-0.027 χ^2/NDF:3719.8/1

+ sign 27.303+/-0.007 χ^2/NDF: 4126627.4/19

All: 27.258+/-0.005 χ^2/NDF: 6470624.4/40

- sign 27.213+/-0.007 χ^2/NDF: 2343915.0/20



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

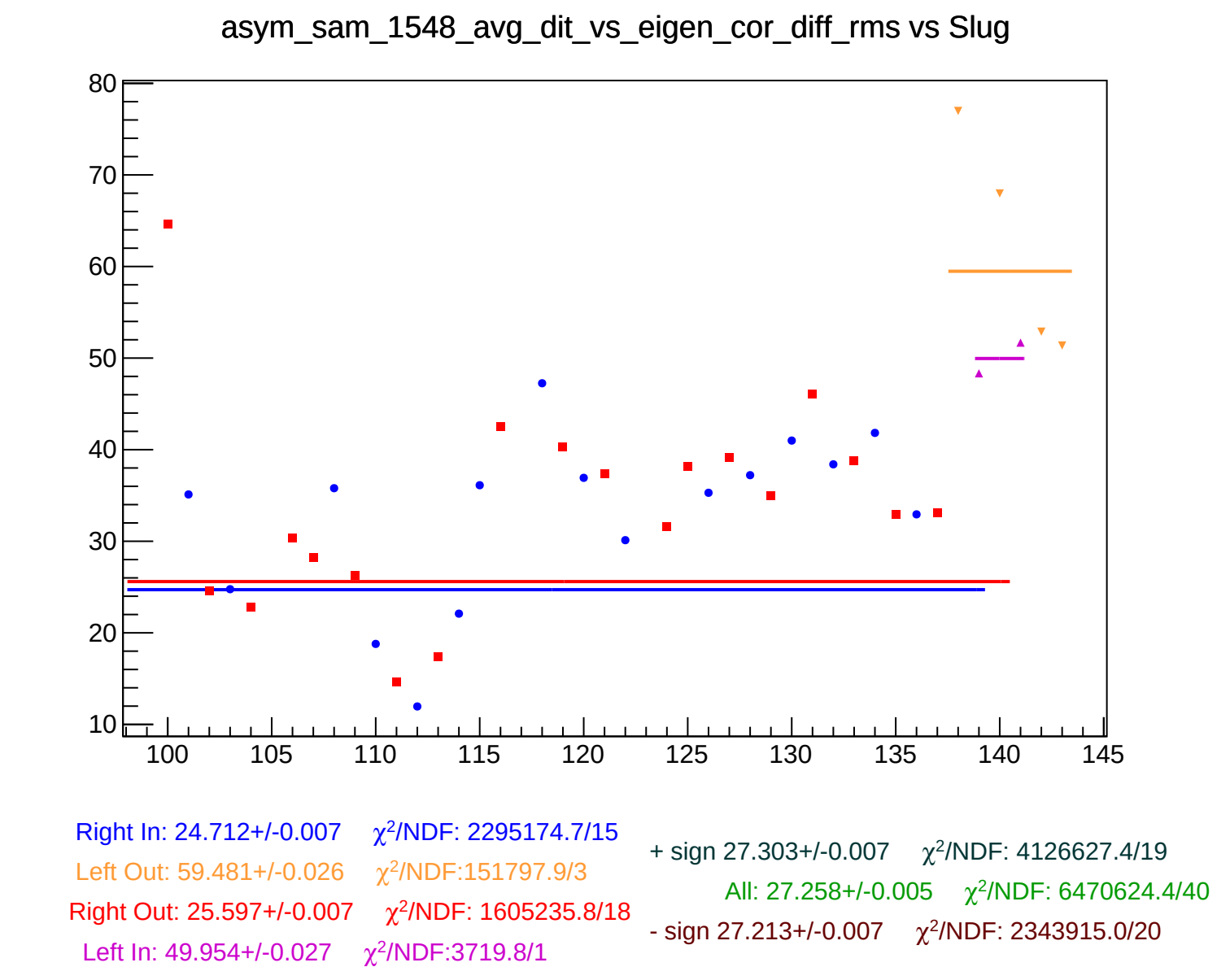
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.039 χ^2/NDF:2.7/1

+ sign 0.019+/-0.010 χ^2/NDF: 24.4/19

All: 0.007+/-0.007 χ^2/NDF: 43.6/40

- sign -0.005+/-0.010 χ^2/NDF: 16.3/20


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
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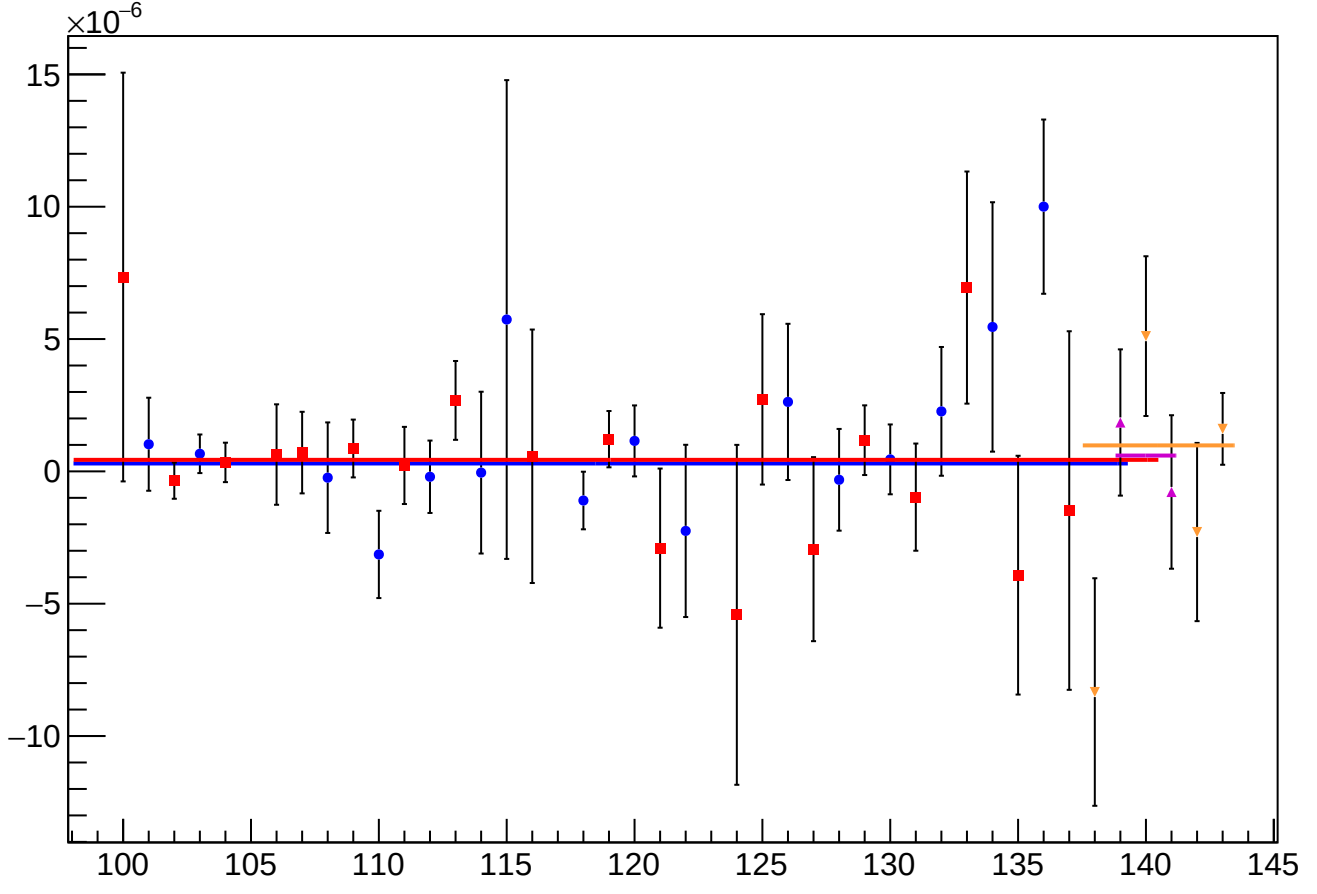
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 59.481+/-0.026 χ²/NDF:151797.9/3
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 49.954+/-0.027 χ²/NDF:3719.8/1
+ sign 27.303+/-0.007 χ²/NDF: 4126627.4/19
All: 27.258+/-0.005 χ²/NDF: 6470624.4/40
- sign 27.213+/-0.007 χ²/NDF: 2343915.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/3

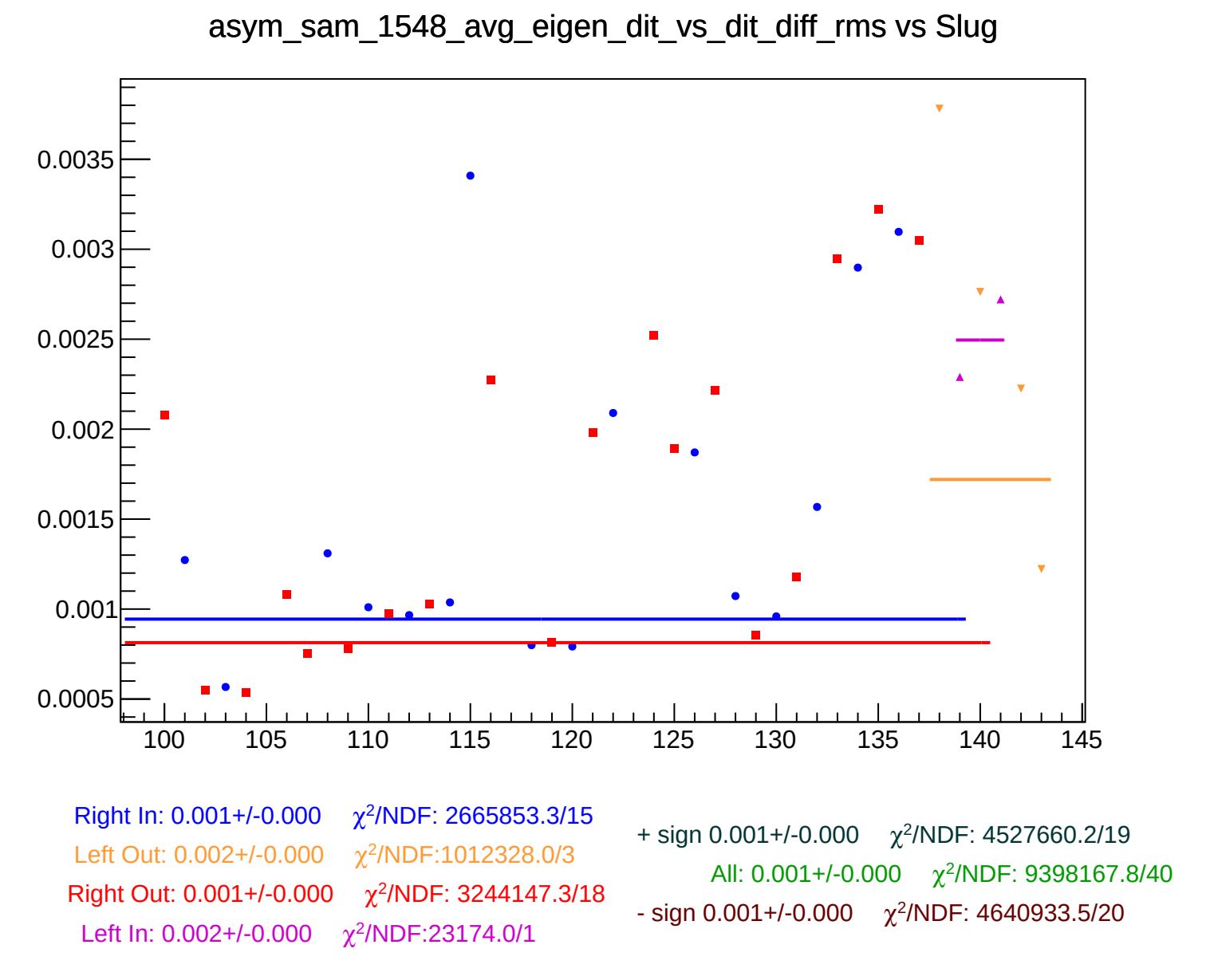
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/19

All: 0.000+/-0.000 χ^2/NDF: 40.5/40

- sign 0.000+/-0.000 χ^2/NDF: 13.1/20


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
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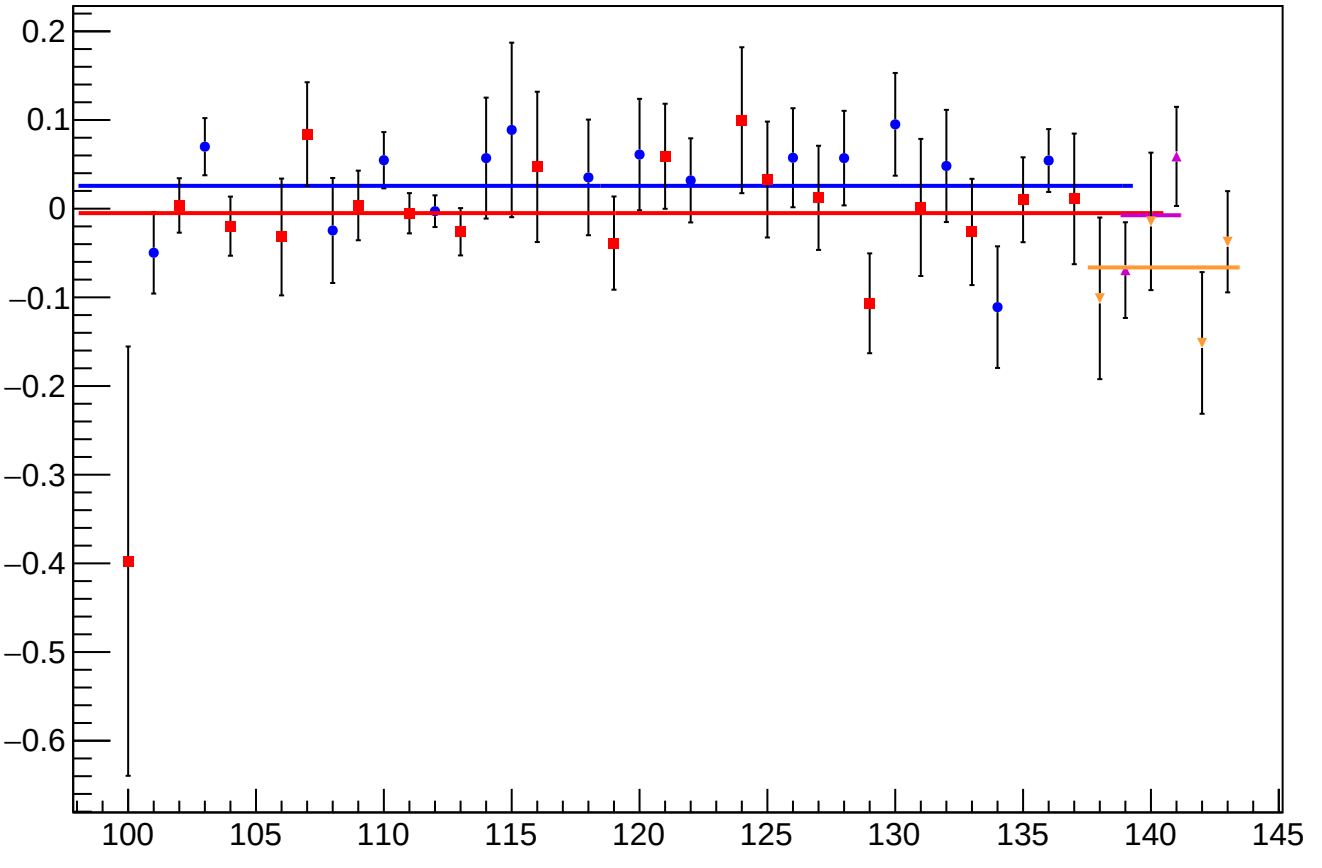
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1012328.0/3
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:23174.0/1
+ sign 0.001+/-0.000 χ²/NDF: 4527660.2/19
All: 0.001+/-0.000 χ²/NDF: 9398167.8/40
- sign 0.001+/-0.000 χ²/NDF: 4640933.5/20



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

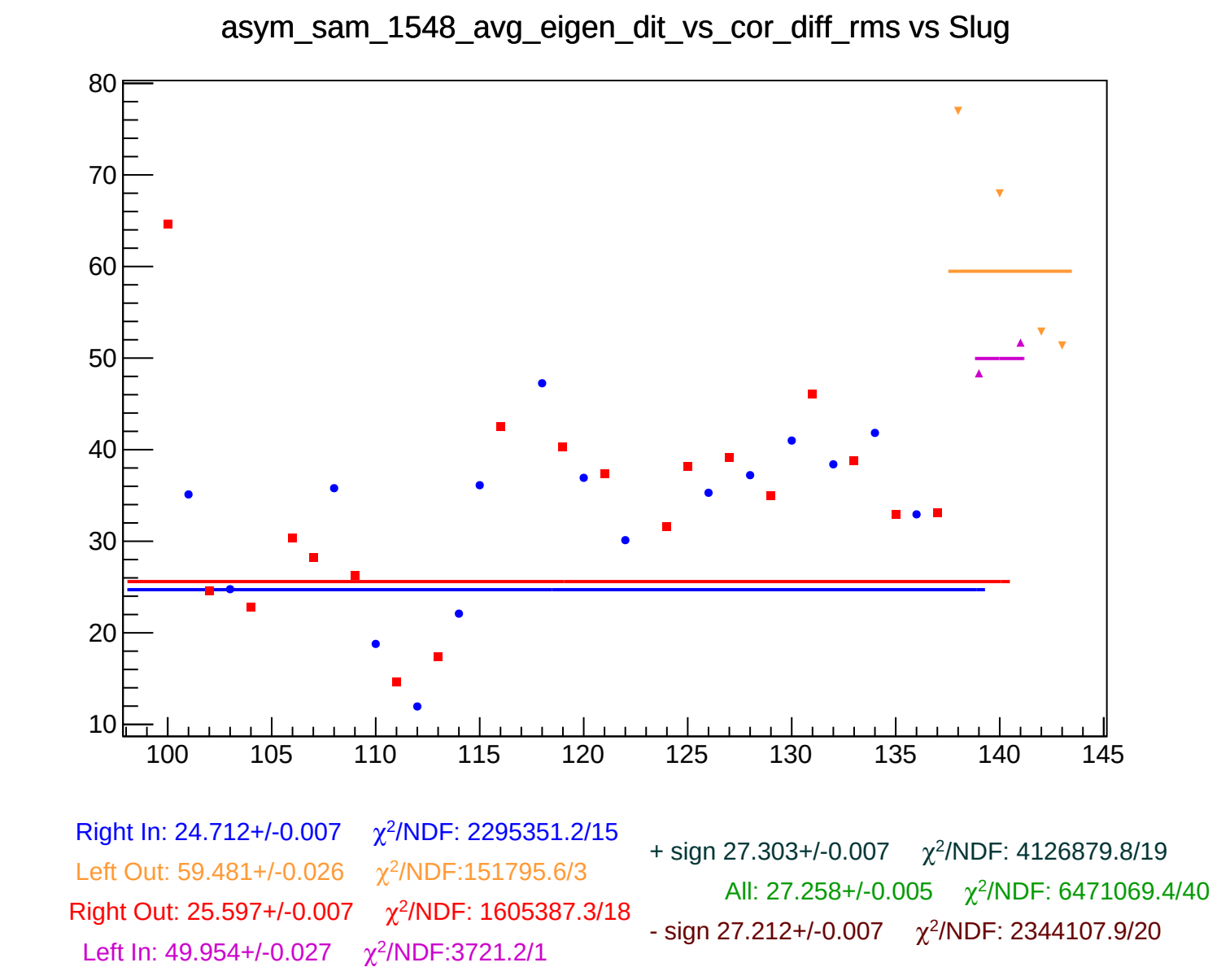
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.039 χ^2/NDF:2.7/1

+ sign 0.019+/-0.010 χ^2/NDF: 24.4/19

All: 0.007+/-0.007 χ^2/NDF: 43.6/40

- sign -0.005+/-0.010 χ^2/NDF: 16.3/20


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
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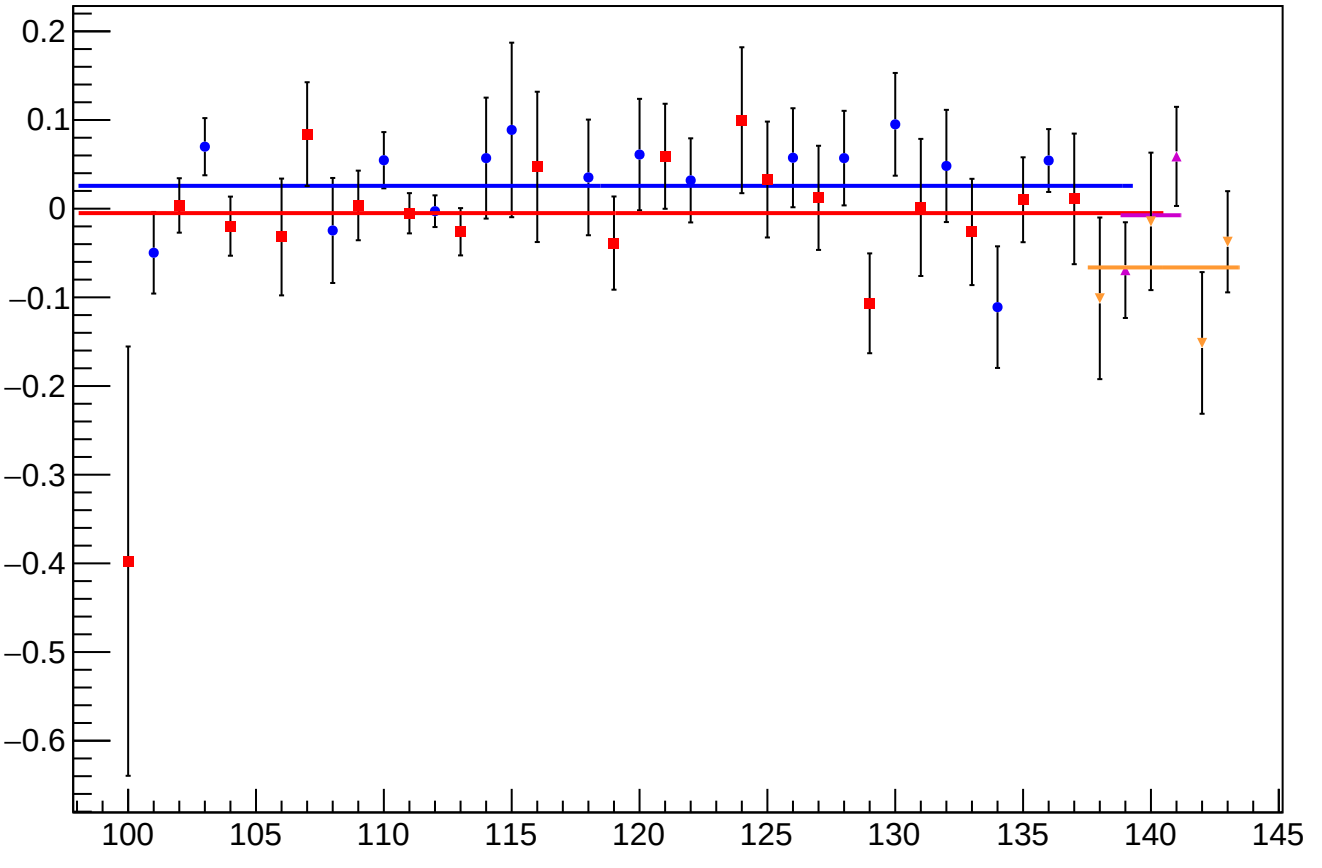
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 59.481+/-0.026 χ²/NDF:151795.6/3
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 49.954+/-0.027 χ²/NDF:3721.2/1
+ sign 27.303+/-0.007 χ²/NDF: 4126879.8/19
All: 27.258+/-0.005 χ²/NDF: 6471069.4/40
- sign 27.212+/-0.007 χ²/NDF: 2344107.9/20



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

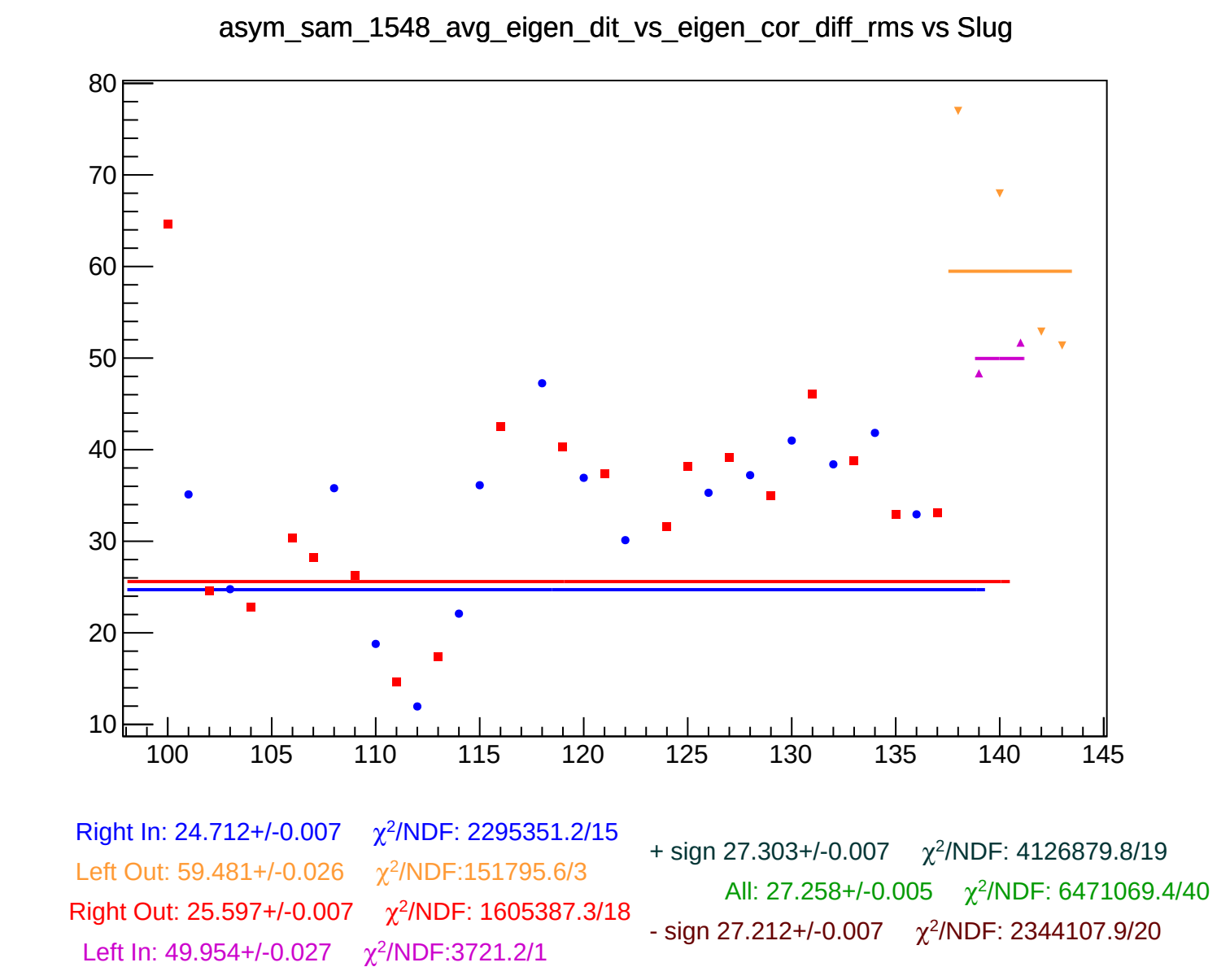
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

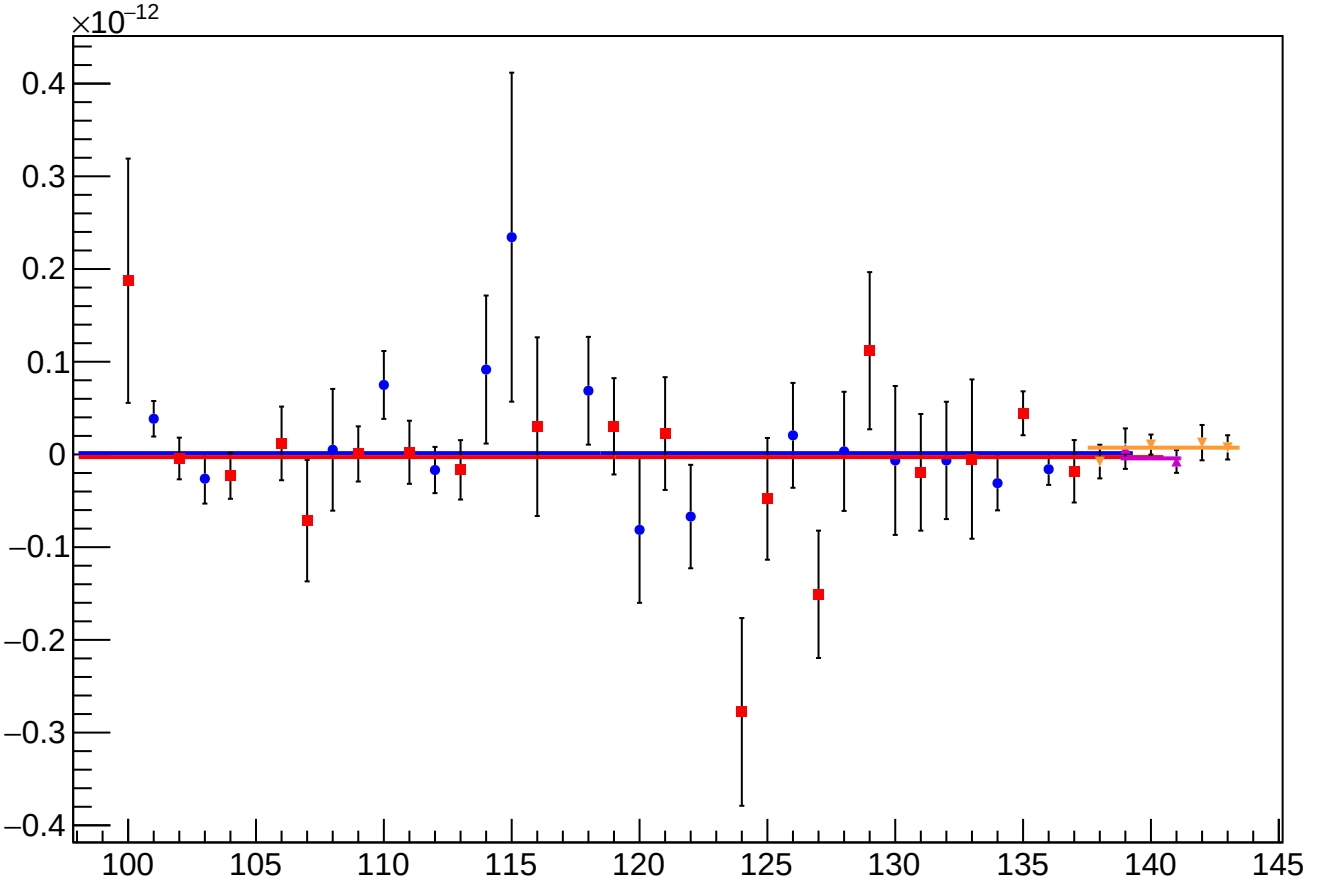
Left In: -0.007+/-0.039 χ^2/NDF:2.7/1

+ sign 0.019+/-0.010 χ^2/NDF: 24.4/19

All: 0.007+/-0.007 χ^2/NDF: 43.6/40

- sign -0.005+/-0.010 χ^2/NDF: 16.3/20


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: 59.481+/-0.026 χ²/NDF:151795.6/3
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 49.954+/-0.027 χ²/NDF:3721.2/1
+ sign 27.303+/-0.007 χ²/NDF: 4126879.8/19
All: 27.258+/-0.005 χ²/NDF: 6471069.4/40
- sign 27.212+/-0.007 χ²/NDF: 2344107.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

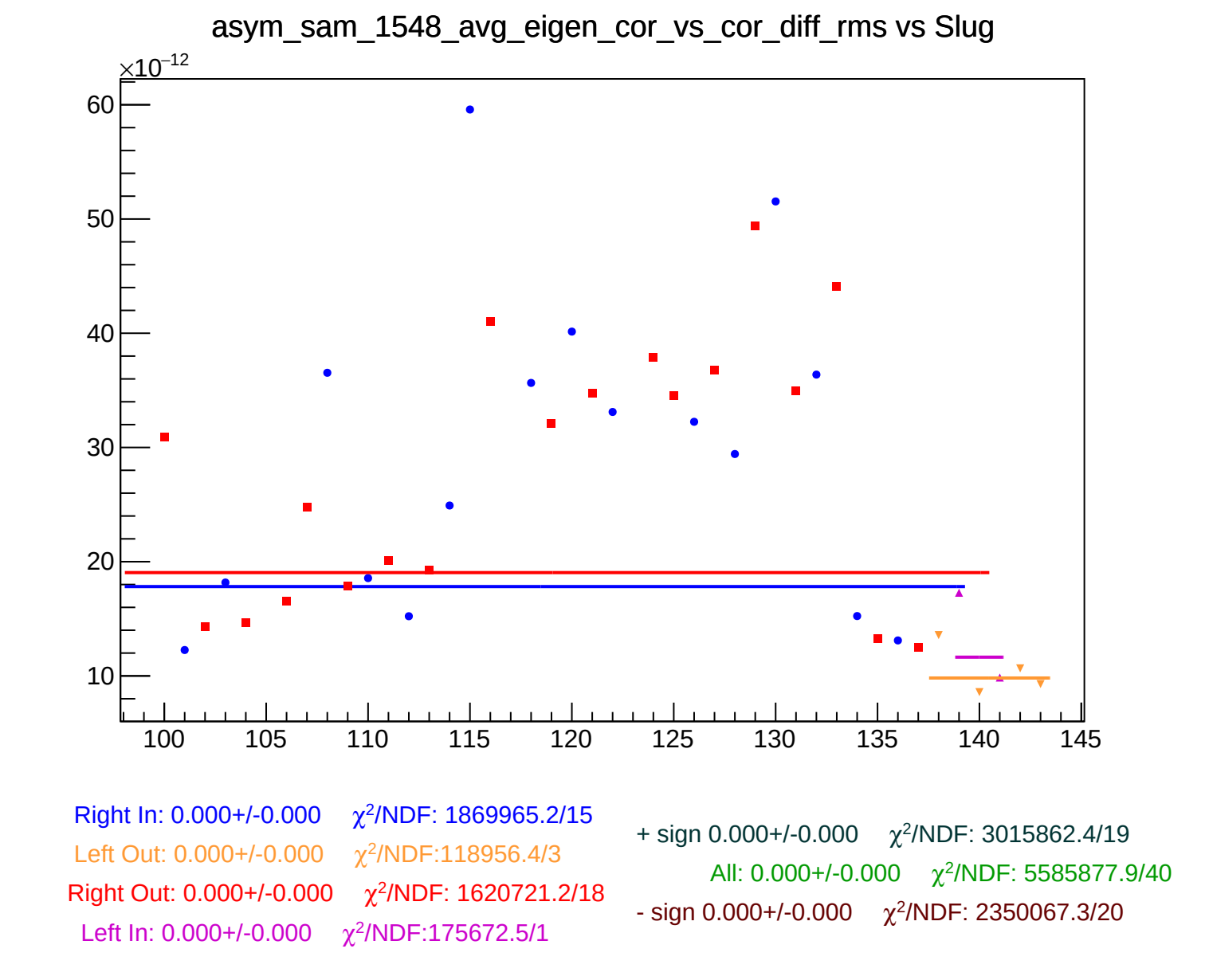
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

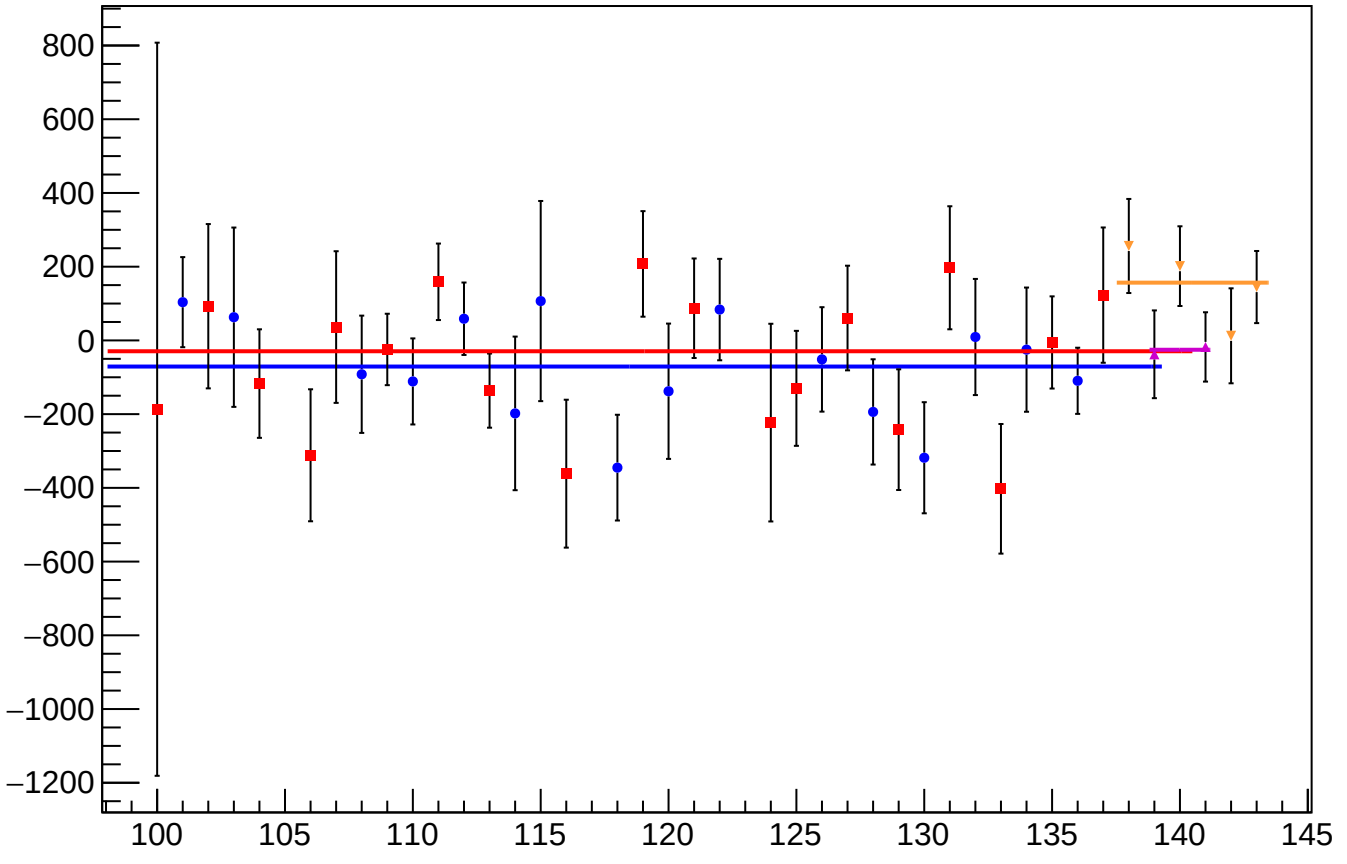
+ sign 0.000+/-0.000 χ^2/NDF: 19.9/19

All: 0.000+/-0.000 χ^2/NDF: 44.6/40

- sign -0.000+/-0.000 χ^2/NDF: 23.8/20


asym_sam_1548_avg_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: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:118956.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:175672.5/1
+ sign 0.000+/-0.000 χ²/NDF: 3015862.4/19
All: 0.000+/-0.000 χ²/NDF: 5585877.9/40
- sign 0.000+/-0.000 χ²/NDF: 2350067.3/20

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.702+/-56.643 χ^2/NDF:2.0/3

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

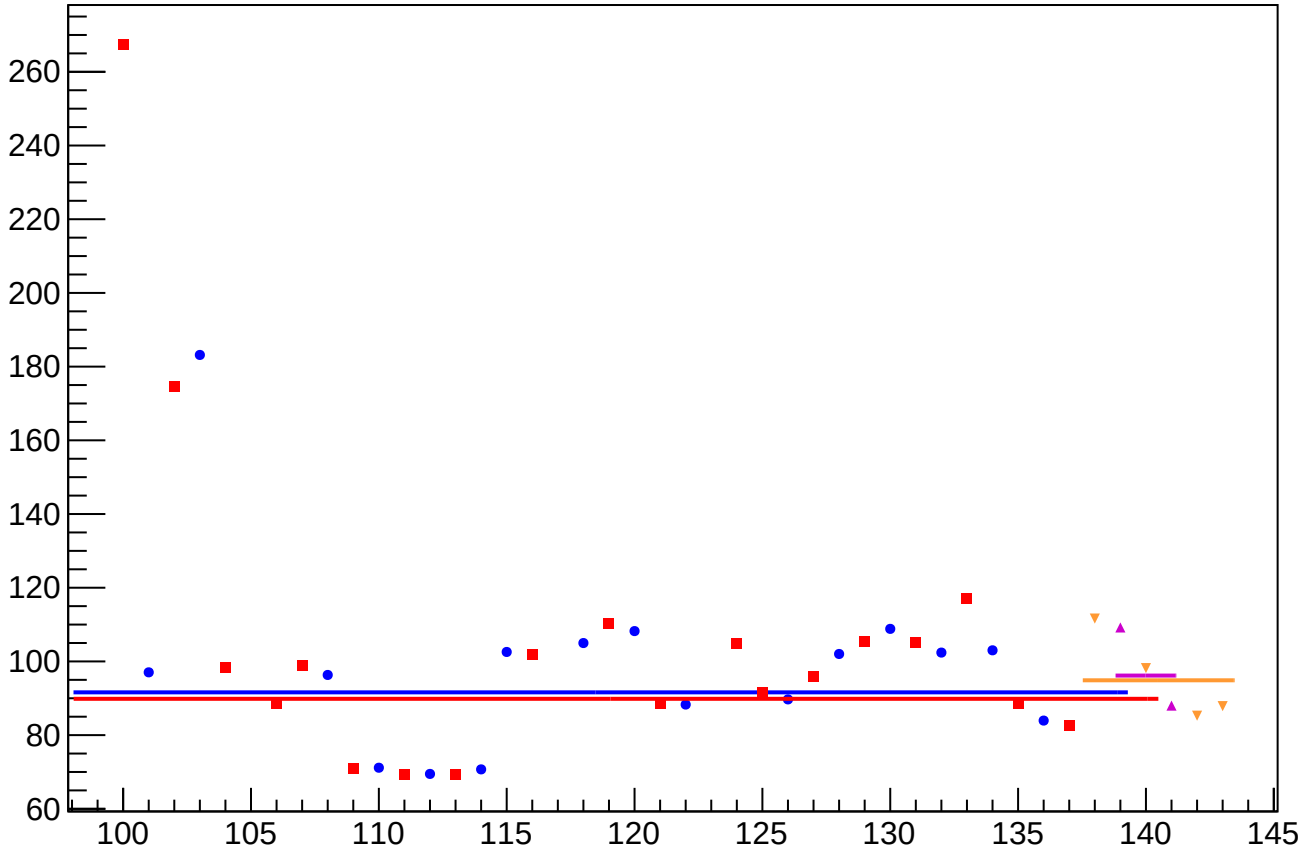
Left In: -25.362+/-73.797 χ^2/NDF:0.0/1

+ sign -7.688+/-29.850 χ^2/NDF: 27.8/19

All: -17.772+/-21.523 χ^2/NDF: 52.0/40

- sign -28.693+/-31.062 χ^2/NDF: 24.0/20

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

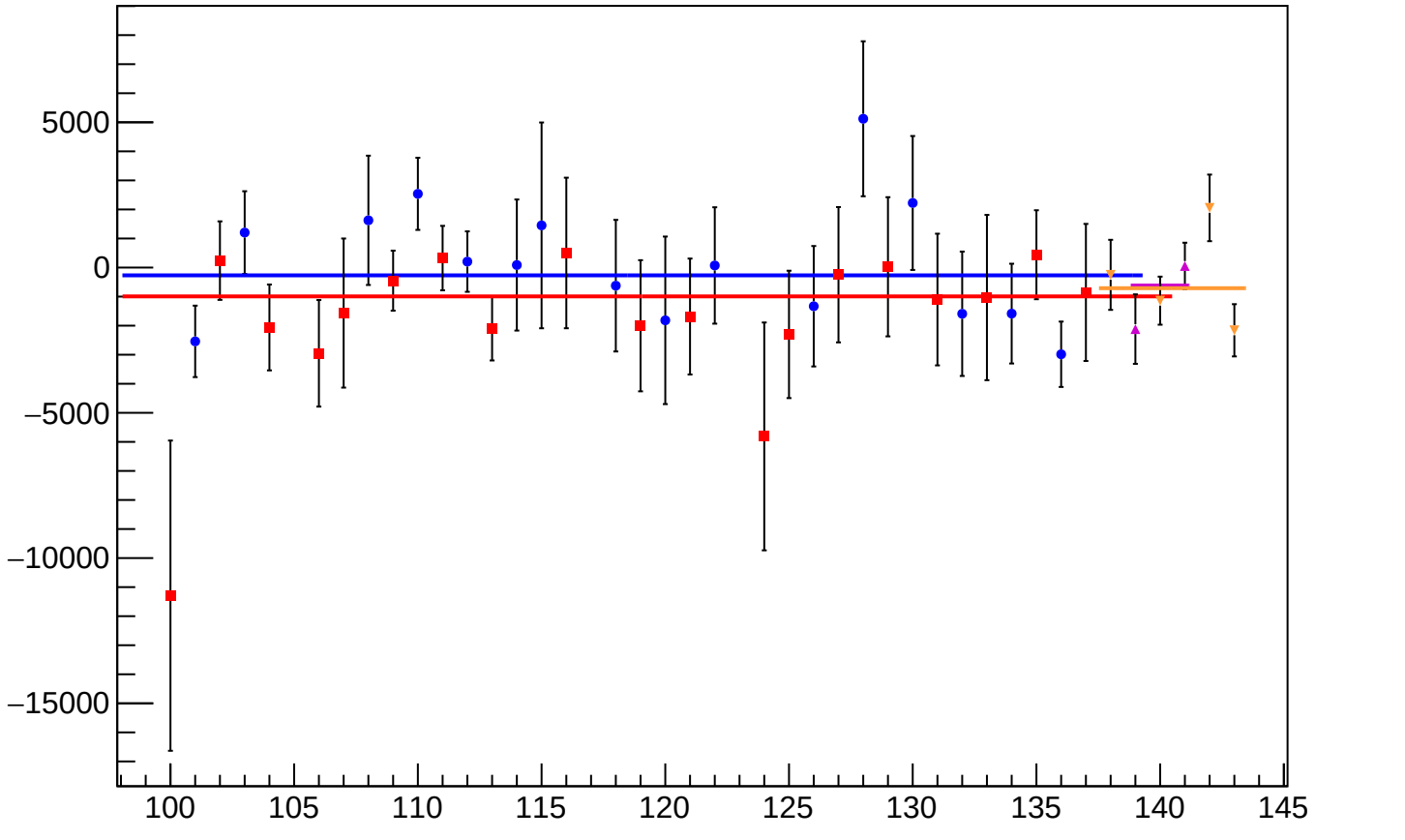
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 96.161+/-0.052 χ^2/NDF:39079.9/1

+ sign 92.516+/-0.021 χ^2/NDF: 643221.9/19

All: 91.775+/-0.015 χ^2/NDF: 1443178.9/40

- sign 90.972+/-0.022 χ^2/NDF: 797386.4/20



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -710.617+/-490.896 χ^2/NDF:8.8/3

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

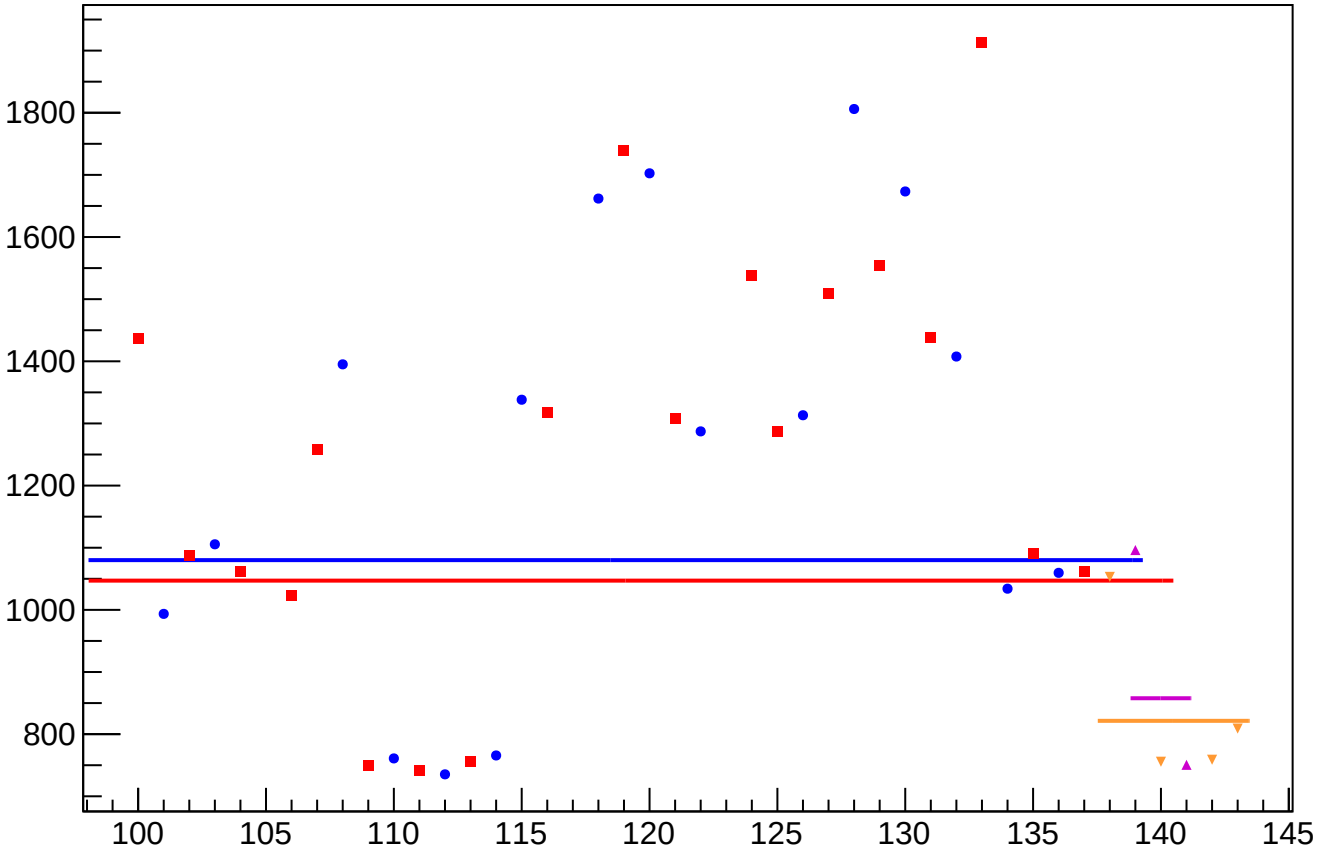
Left In: -619.569+/-665.720 χ^2/NDF:2.3/1

+ sign -455.130+/-318.949 χ^2/NDF: 32.7/19

All: -658.117+/-233.693 χ^2/NDF: 48.8/40

- sign -893.402+/-343.387 χ^2/NDF: 15.2/20

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 821.433+/-0.347 χ^2/NDF:92875.3/3

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

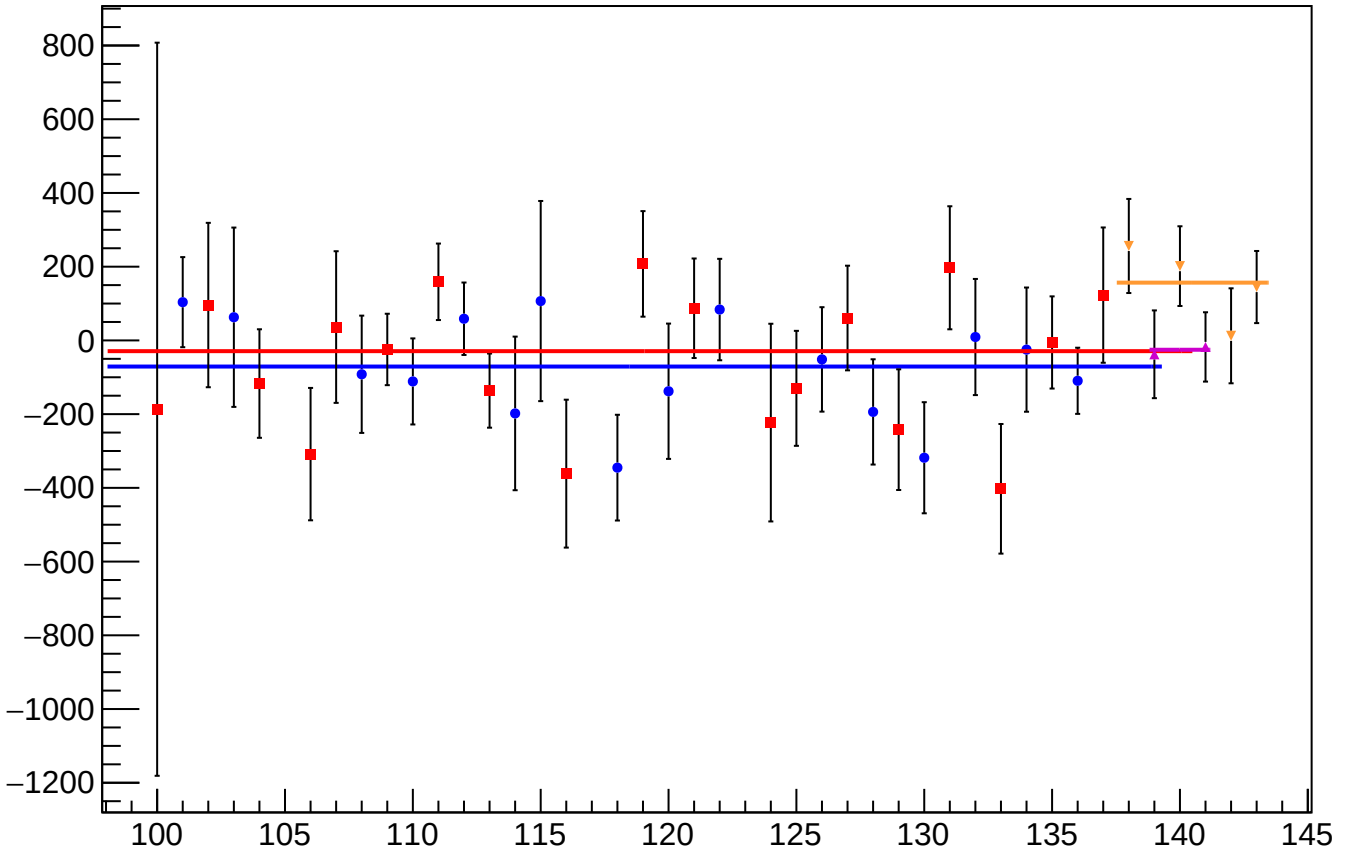
Left In: 857.782+/-0.471 χ^2/NDF:115301.2/1

+ sign 970.873+/-0.226 χ^2/NDF: 1467094.4/19

All: 982.837+/-0.165 χ^2/NDF: 2905788.8/40

- sign 996.706+/-0.243 χ^2/NDF: 1432617.7/20

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.713+/-56.643 χ^2/NDF:2.0/3

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

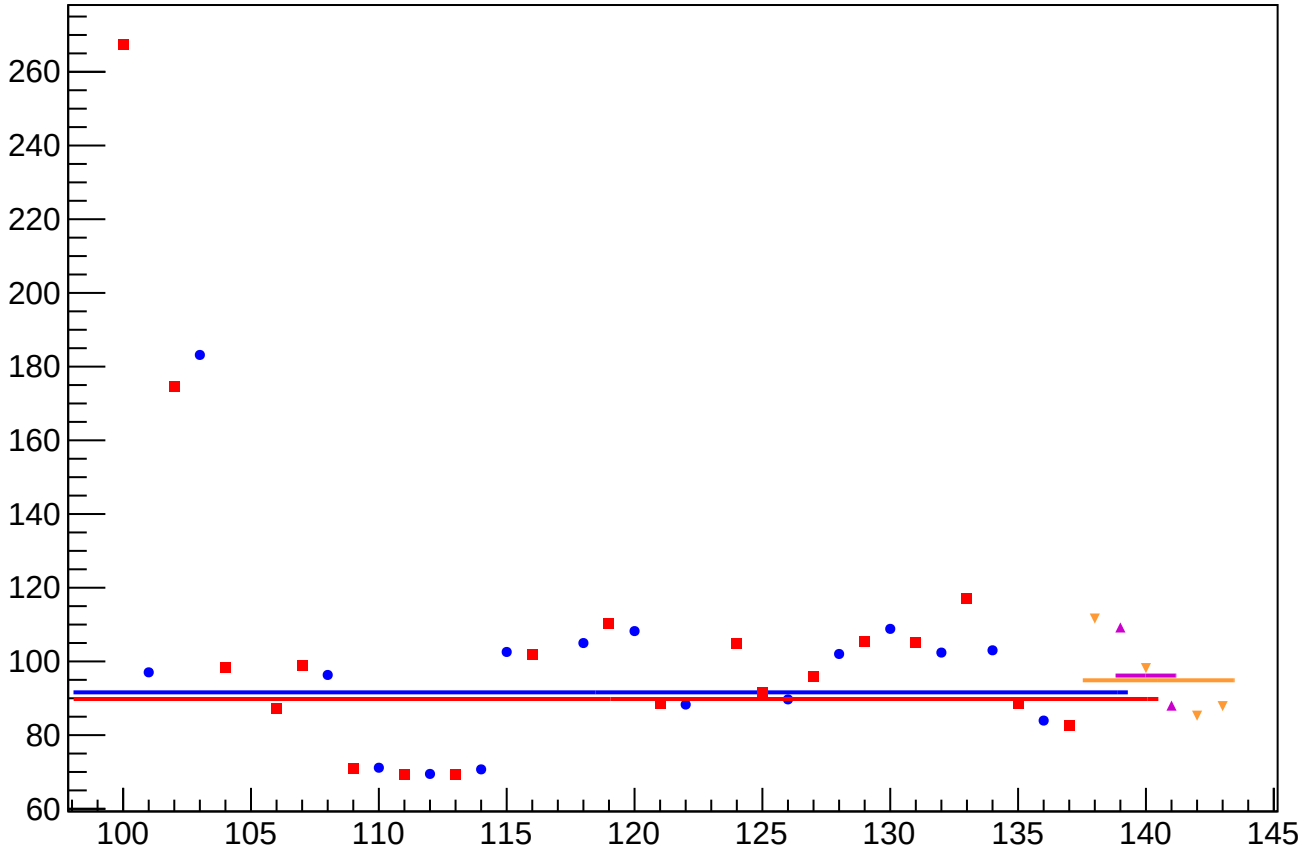
Left In: -25.367+/-73.797 χ^2/NDF:0.0/1

+ sign -7.693+/-29.850 χ^2/NDF: 27.8/19

All: -17.676+/-21.524 χ^2/NDF: 52.0/40

- sign -28.487+/-31.065 χ^2/NDF: 24.0/20

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

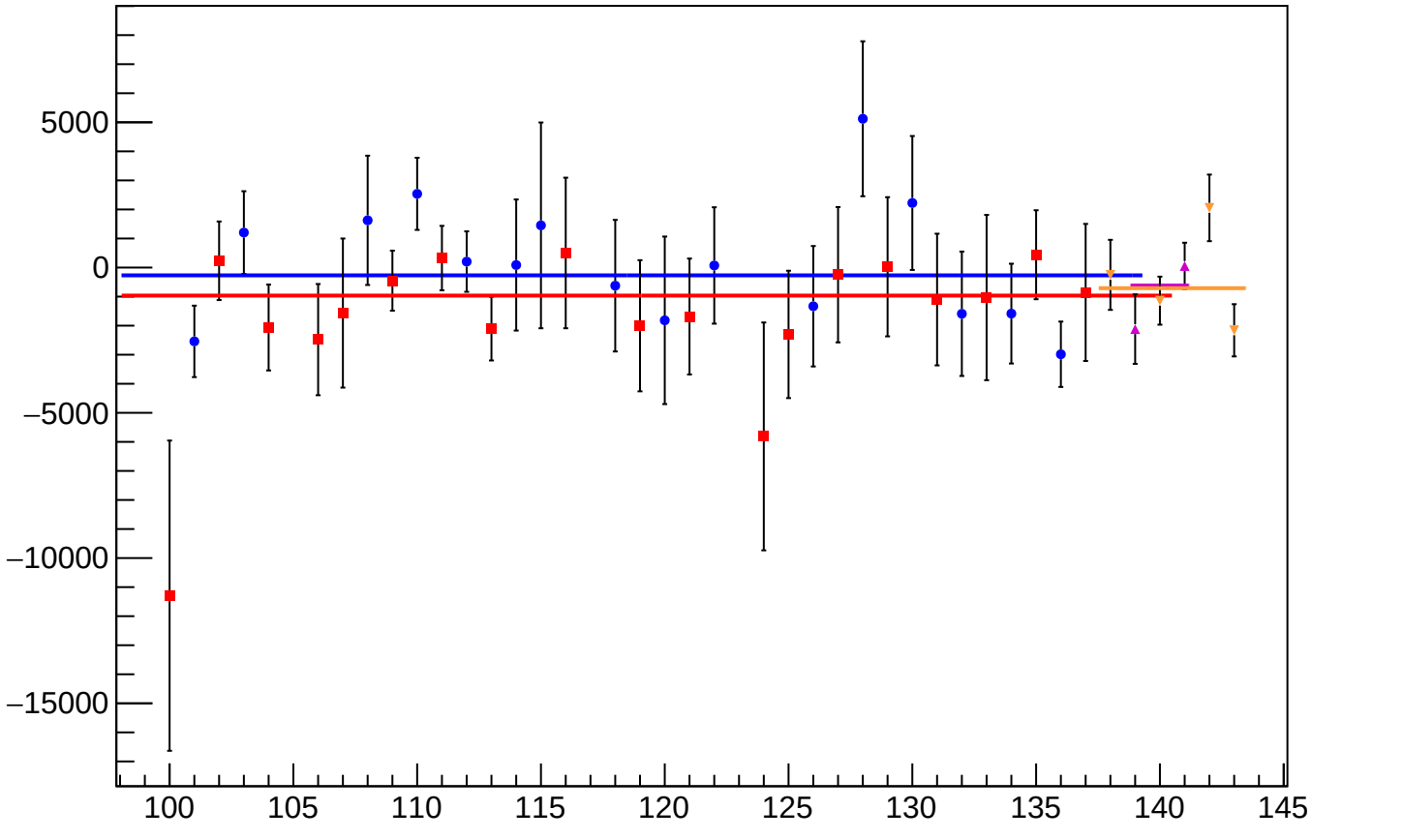
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 96.161+/-0.052 χ^2/NDF:39079.9/1

+ sign 92.516+/-0.021 χ^2/NDF: 643225.0/19

All: 91.756+/-0.015 χ^2/NDF: 1444037.9/40

- sign 90.933+/-0.022 χ^2/NDF: 798111.7/20



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -710.602+/-490.895 χ^2/NDF:8.8/3

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

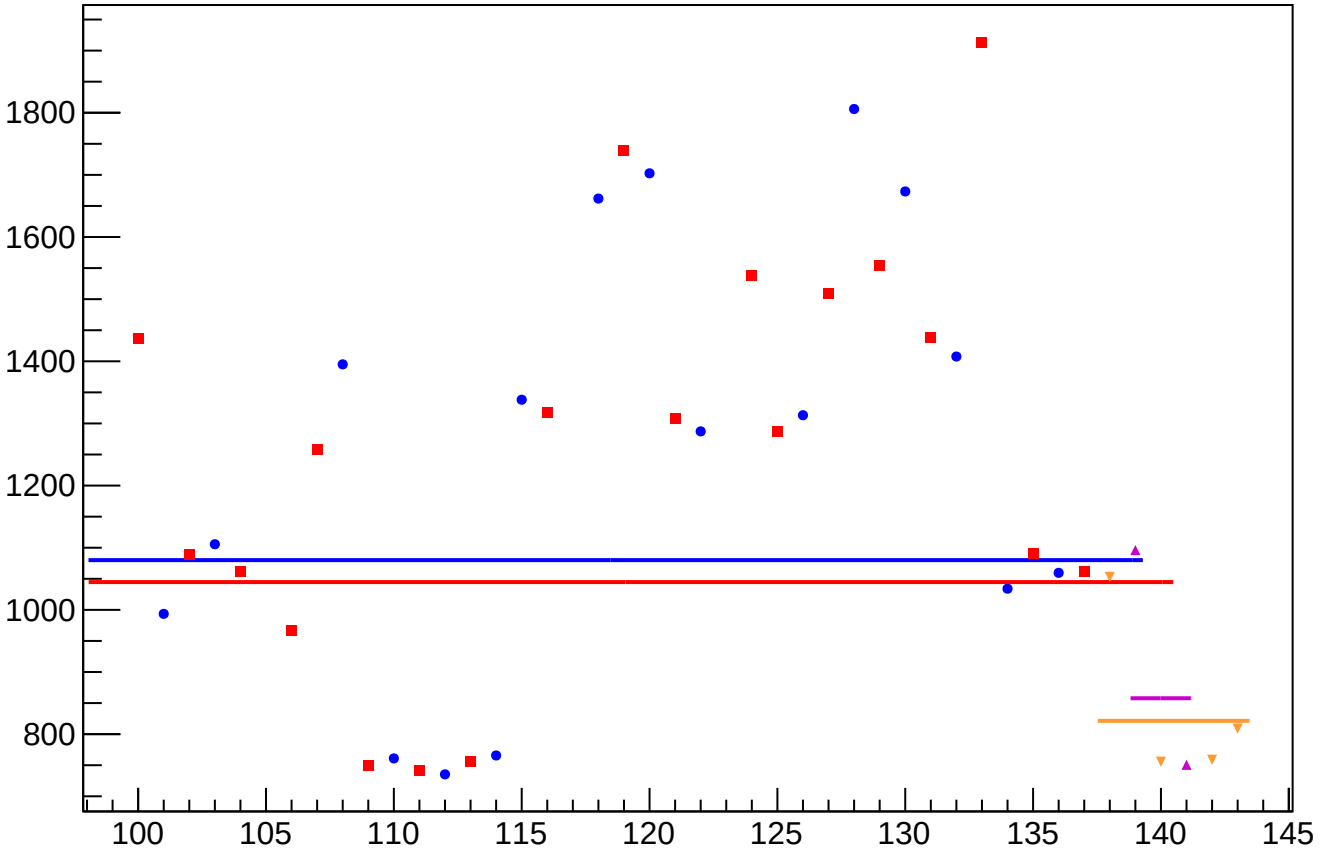
Left In: -619.590+/-665.721 χ^2/NDF:2.3/1

+ sign -455.137+/-318.950 χ^2/NDF: 32.7/19

All: -648.281+/-233.854 χ^2/NDF: 48.1/40

- sign -872.817+/-343.895 χ^2/NDF: 14.6/20

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 821.432+/-0.347 χ^2/NDF:92875.2/3

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

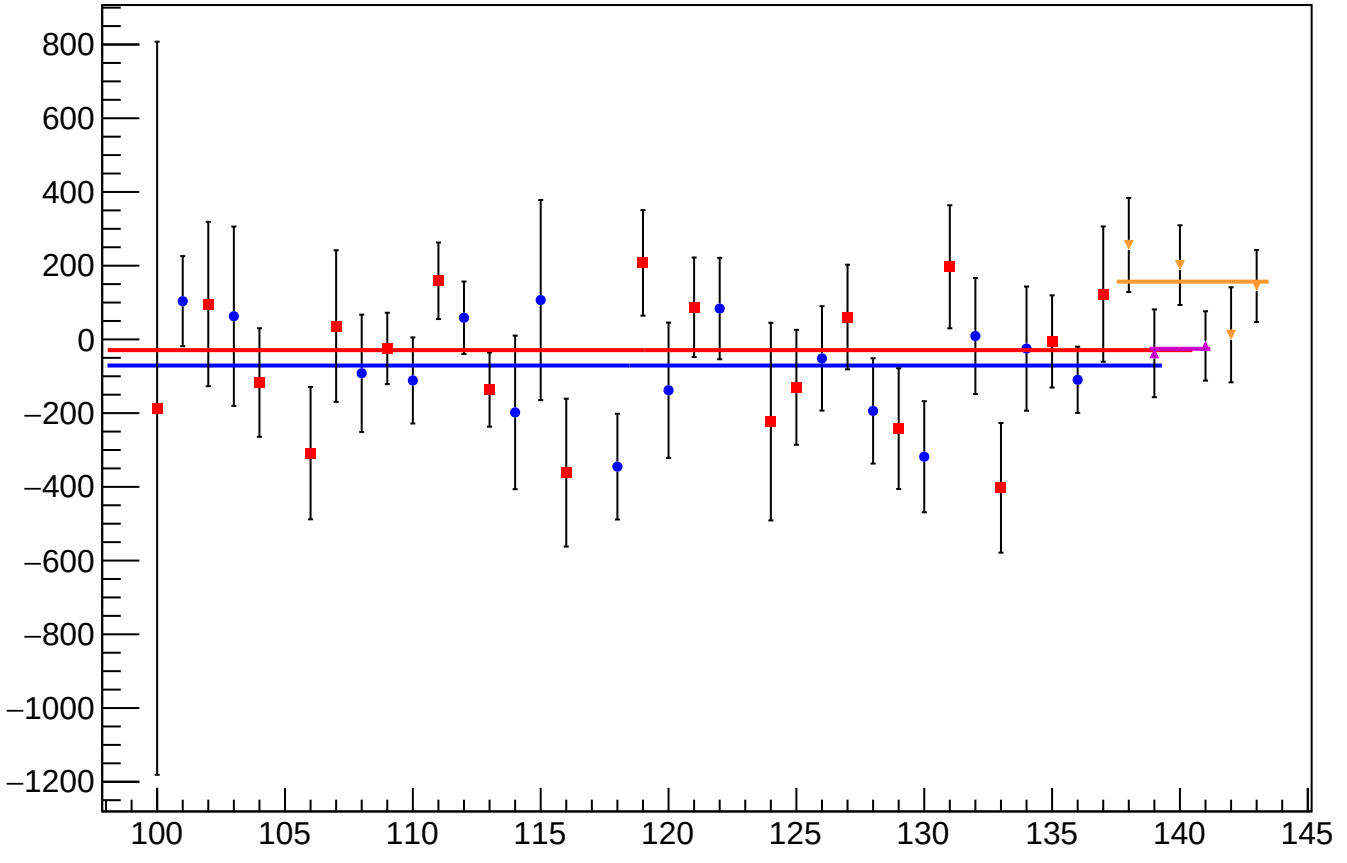
Left In: 857.783+/-0.471 χ^2/NDF:115299.9/1

+ sign 970.876+/-0.226 χ^2/NDF: 1467122.0/19

All: 981.954+/-0.165 χ^2/NDF: 2905080.5/40

- sign 994.833+/-0.243 χ^2/NDF: 1432740.7/20

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.713+/-56.643 χ^2/NDF:2.0/3

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

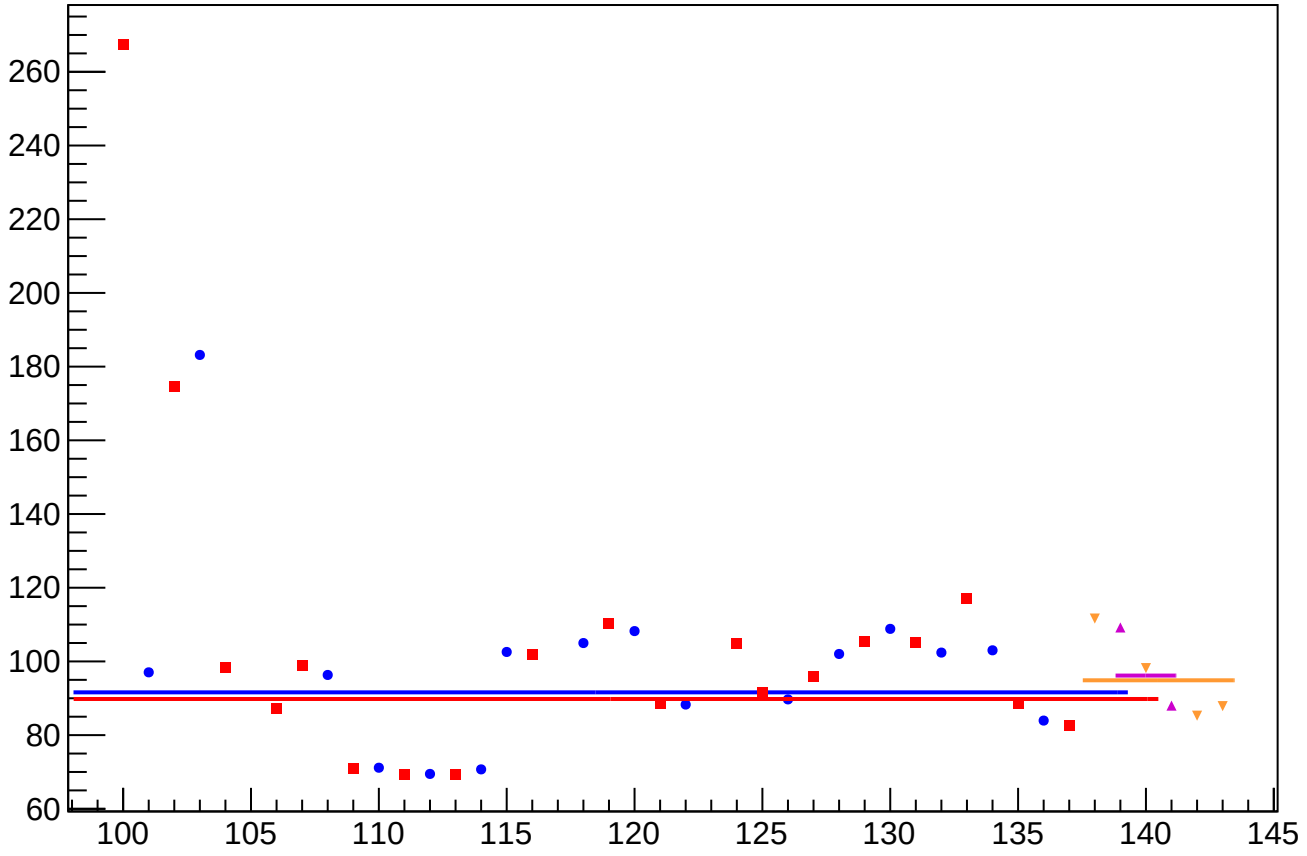
Left In: -25.367+/-73.797 χ^2/NDF:0.0/1

+ sign -7.693+/-29.850 χ^2/NDF: 27.8/19

All: -17.676+/-21.524 χ^2/NDF: 52.0/40

- sign -28.487+/-31.065 χ^2/NDF: 24.0/20

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

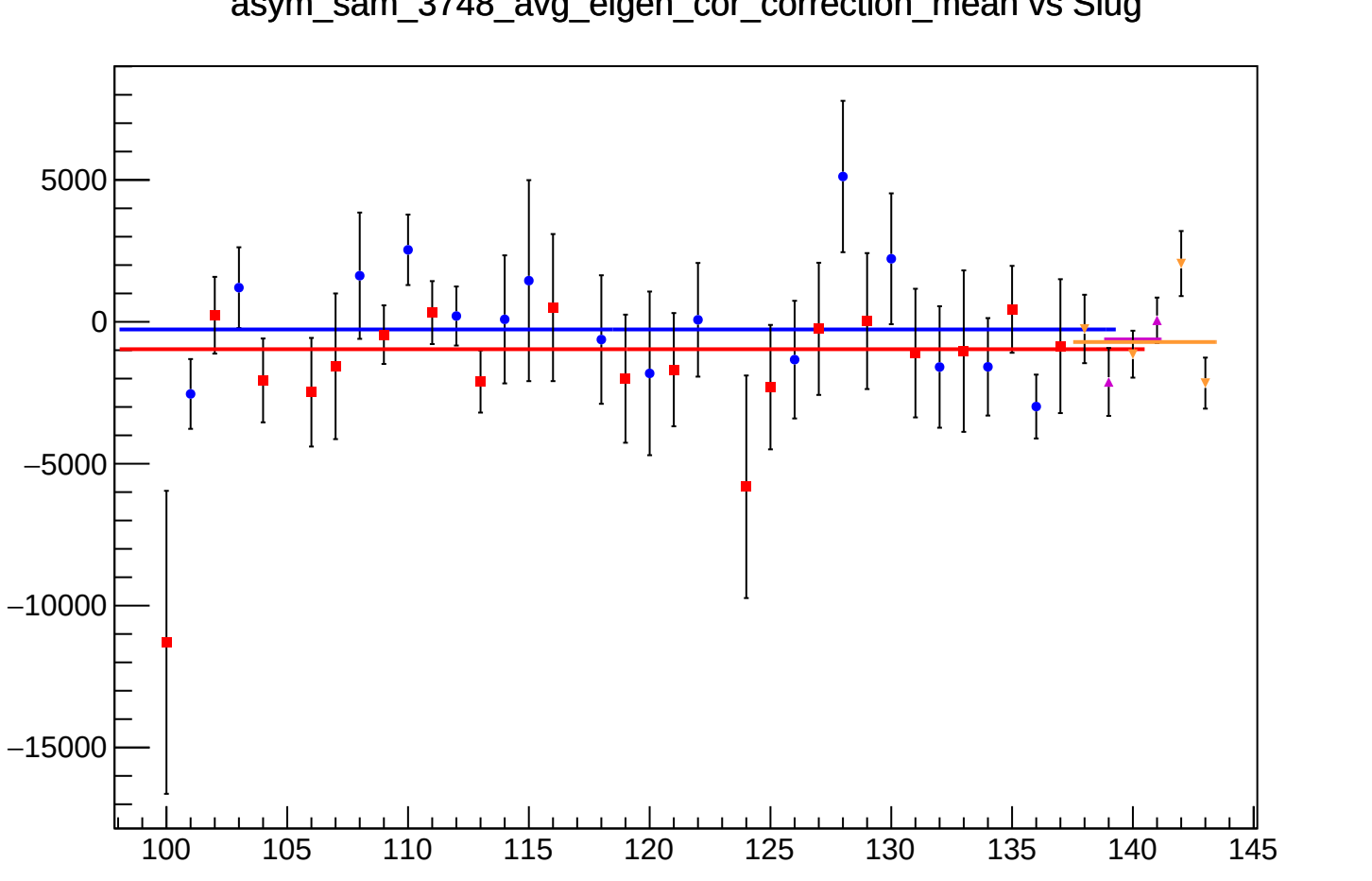
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 96.161+/-0.052 χ^2/NDF:39079.9/1

+ sign 92.516+/-0.021 χ^2/NDF: 643225.0/19

All: 91.756+/-0.015 χ^2/NDF: 1444037.9/40

- sign 90.933+/-0.022 χ^2/NDF: 798111.7/20



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -710.602+/-490.895 χ^2/NDF:8.8/3

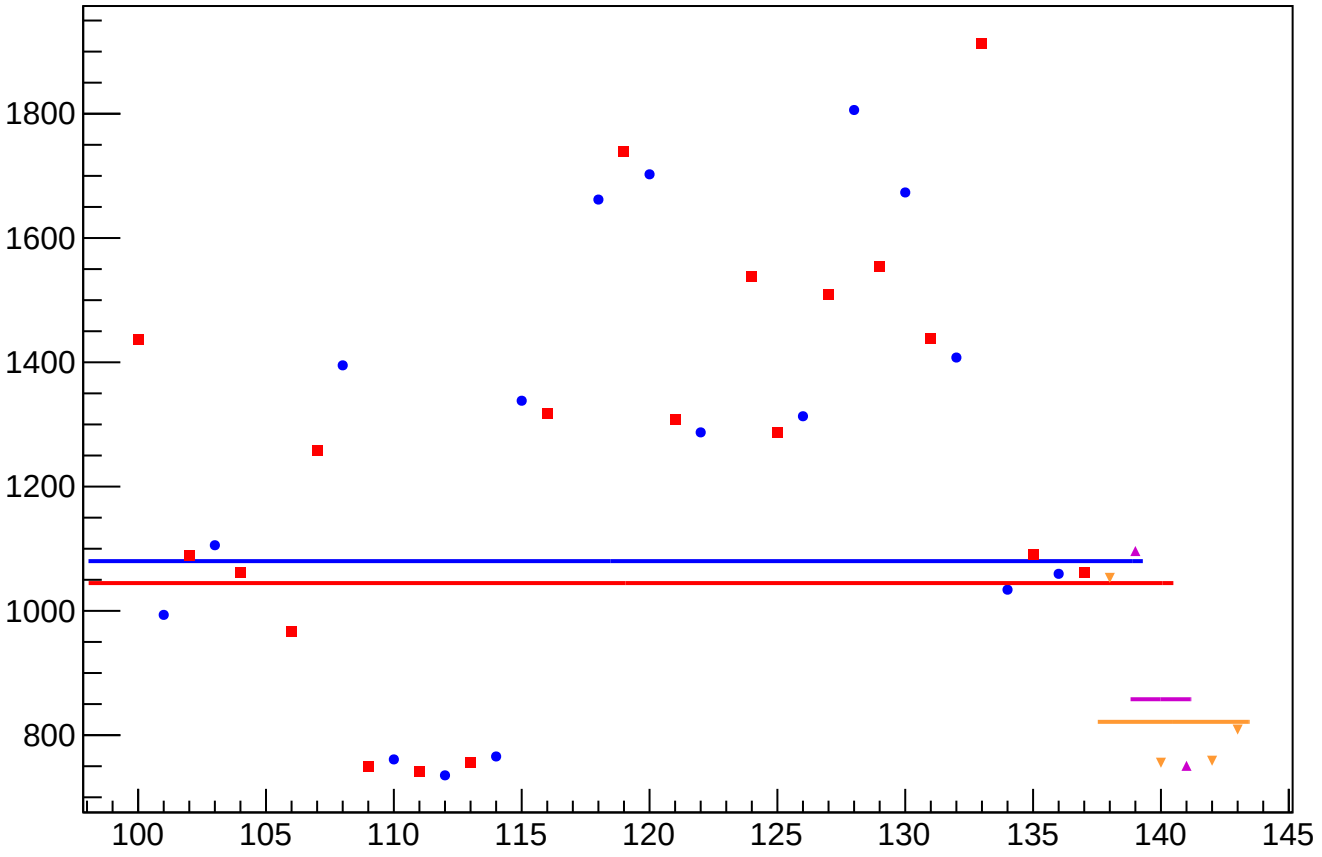
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -619.590+/-665.721 χ^2/NDF:2.3/1

+ sign -455.137+/-318.950 χ^2/NDF: 32.7/19

All: -648.281+/-233.854 χ^2/NDF: 48.1/40

- sign -872.817+/-343.895 χ^2/NDF: 14.6/20



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 821.432+/-0.347 χ^2/NDF:92875.2/3

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

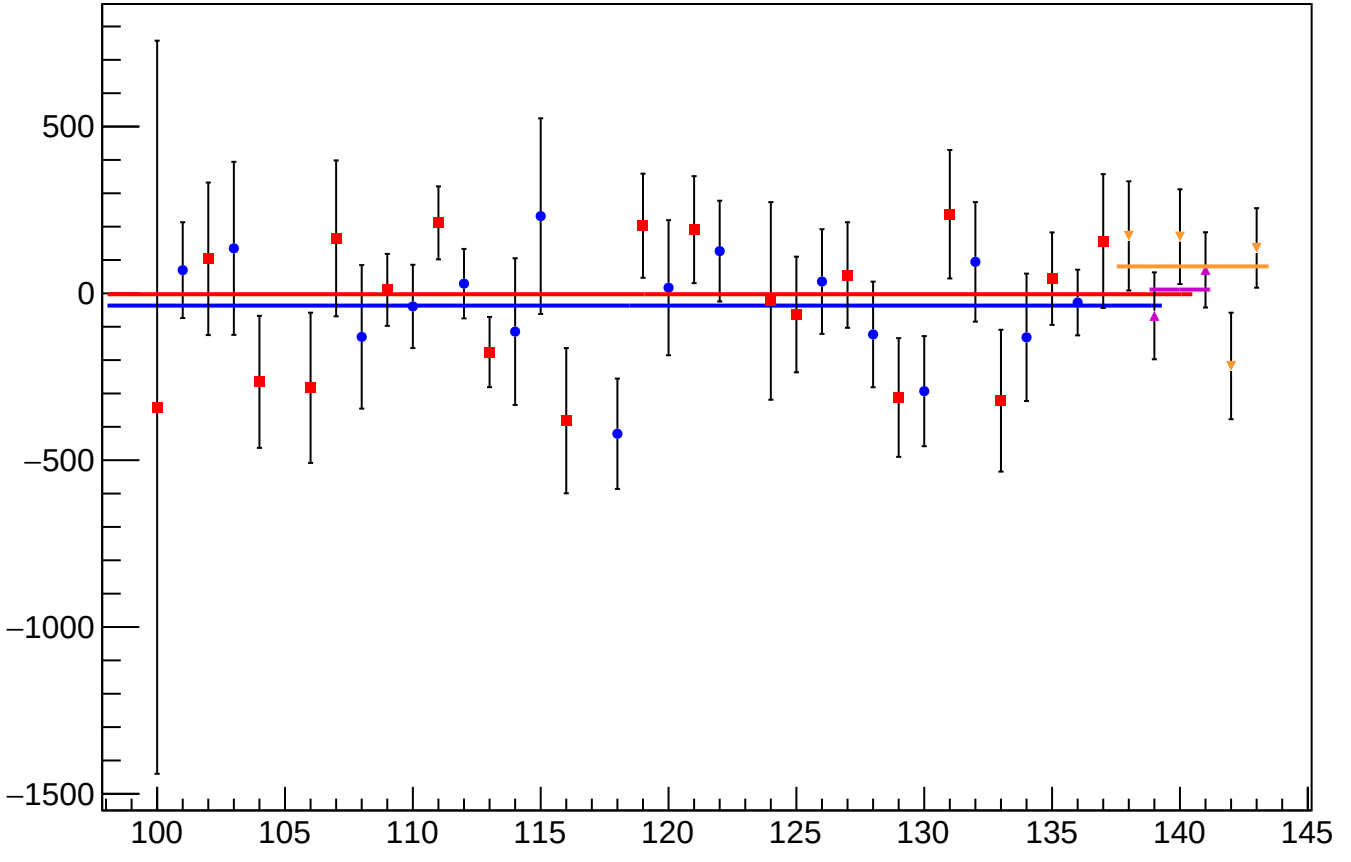
Left In: 857.783+/-0.471 χ^2/NDF:115299.9/1

+ sign 970.876+/-0.226 χ^2/NDF: 1467122.0/19

All: 981.954+/-0.165 χ^2/NDF: 2905080.5/40

- sign 994.833+/-0.243 χ^2/NDF: 1432740.7/20

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 80.904+/-71.334 χ^2/NDF:4.4/3

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

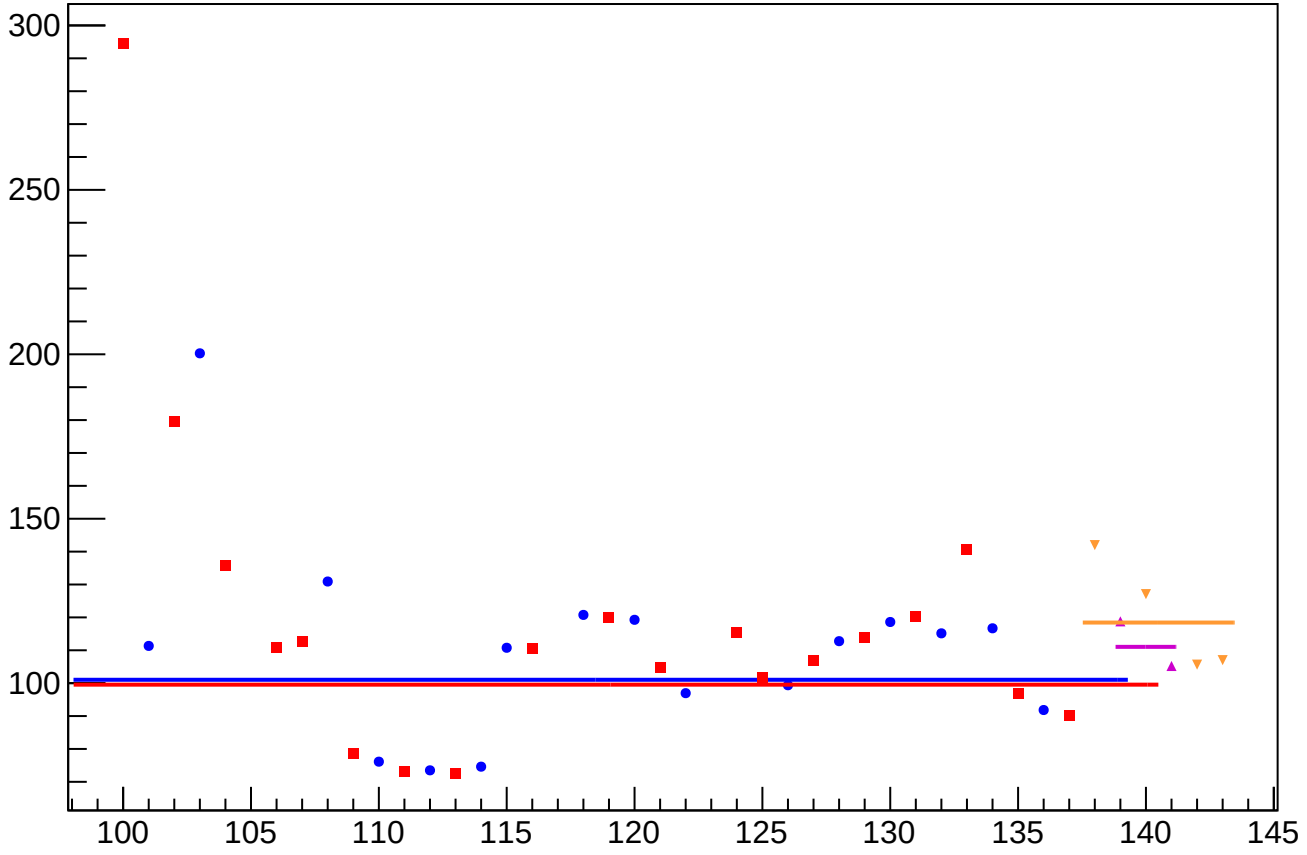
Left In: 11.419+/-85.261 χ^2/NDF:0.6/1

\+ sign -9.562+/-34.213 χ^2/NDF: 19.4/19

All: -4.982+/-24.409 χ^2/NDF: 44.8/40

\- sign -0.233+/-34.834 χ^2/NDF: 25.4/20

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 118.432+/-0.050 χ^2/NDF:80044.7/3

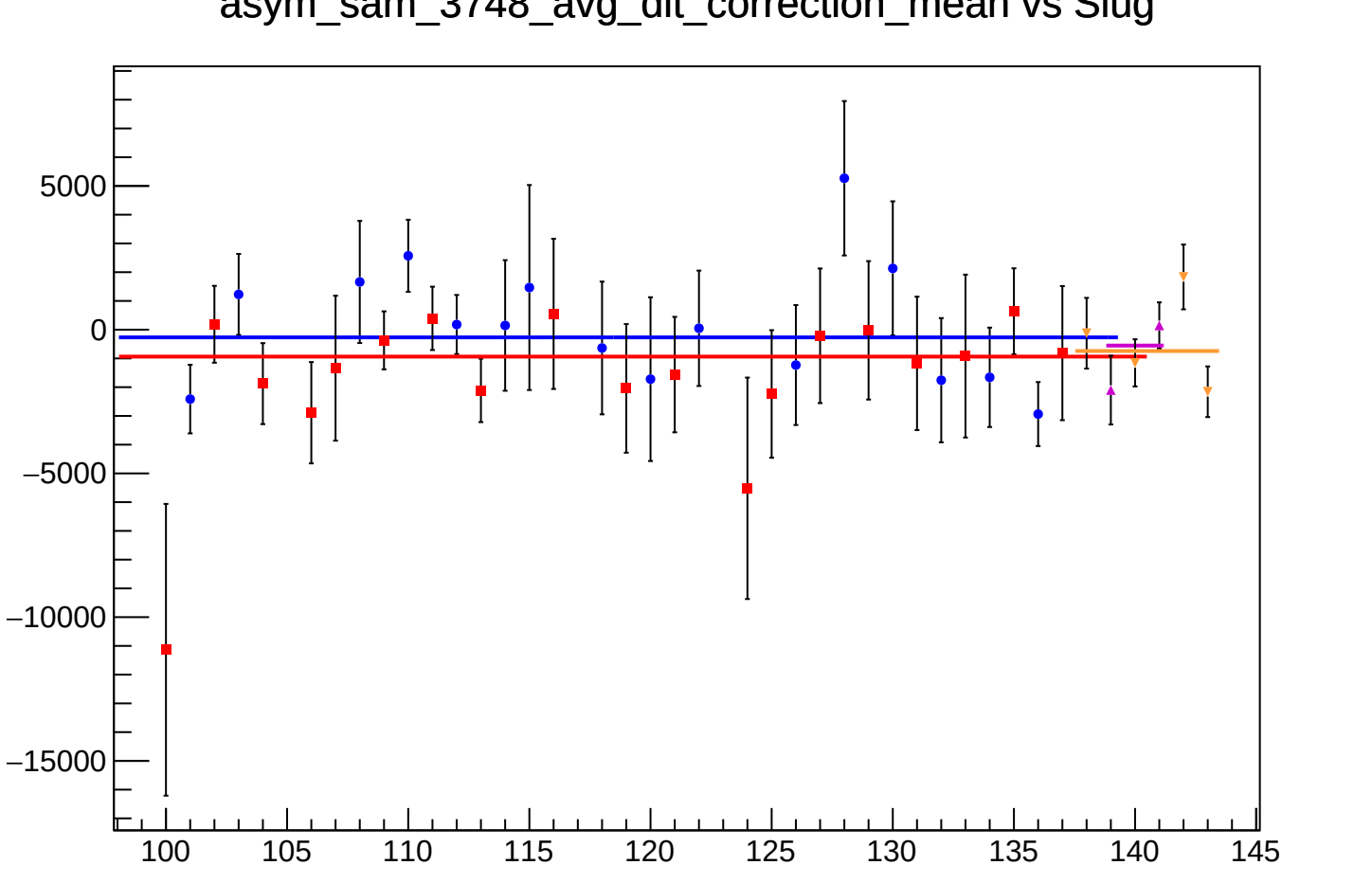
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 111.043+/-0.060 χ^2/NDF:12410.2/1

+ sign 105.034+/-0.024 χ^2/NDF: 887777.3/19

All: 103.282+/-0.017 χ^2/NDF: 1821654.7/40

- sign 101.466+/-0.025 χ^2/NDF: 923196.1/20



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -741.922+/-486.503 χ^2/NDF:8.3/3

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

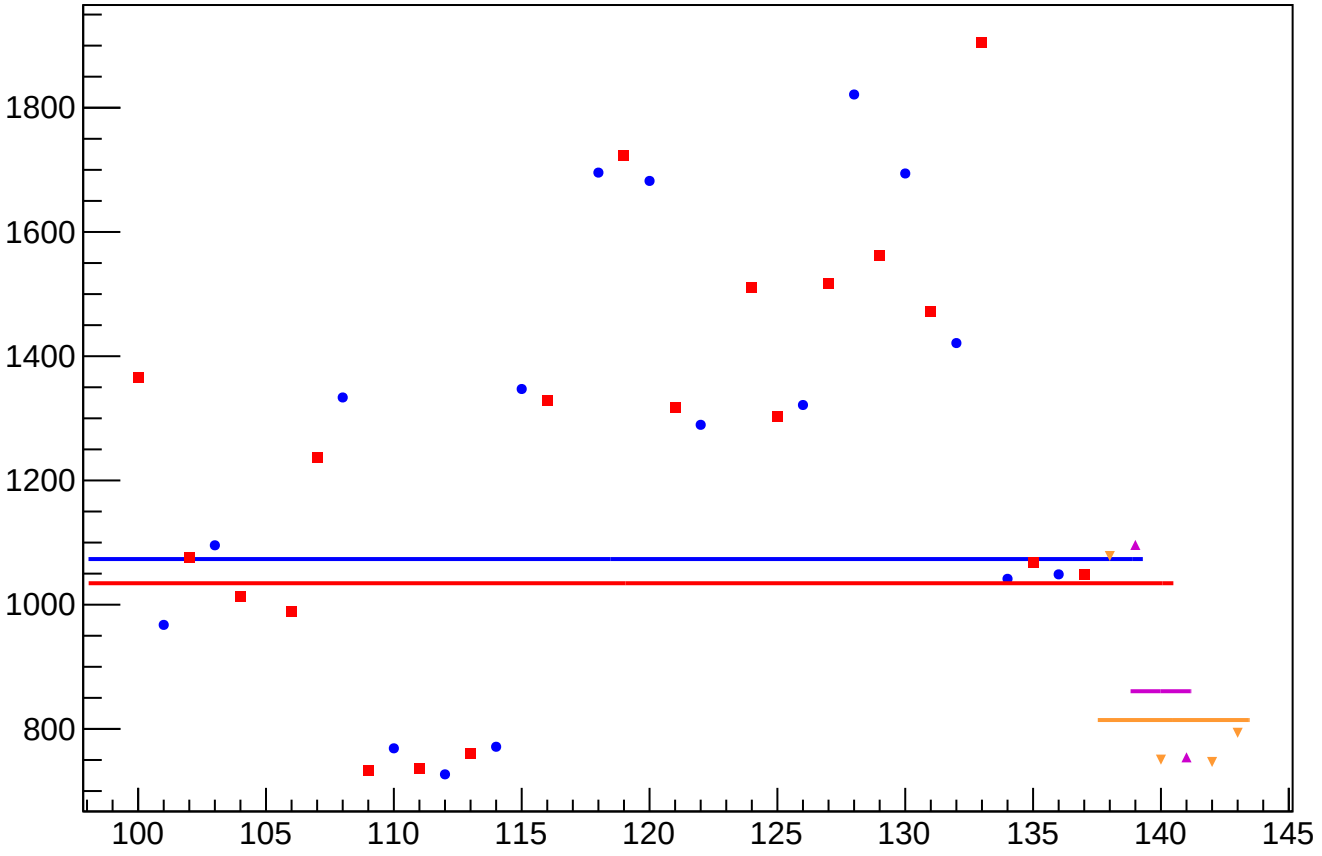
Left In: -553.137+/-667.413 χ^2/NDF:2.4/1

+ sign -468.687+/-316.638 χ^2/NDF: 32.3/19

All: -639.263+/-231.941 χ^2/NDF: 48.8/40

- sign -836.765+/-340.713 χ^2/NDF: 15.8/20

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 814.307+/-0.344 χ^2/NDF:112551.7/3

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

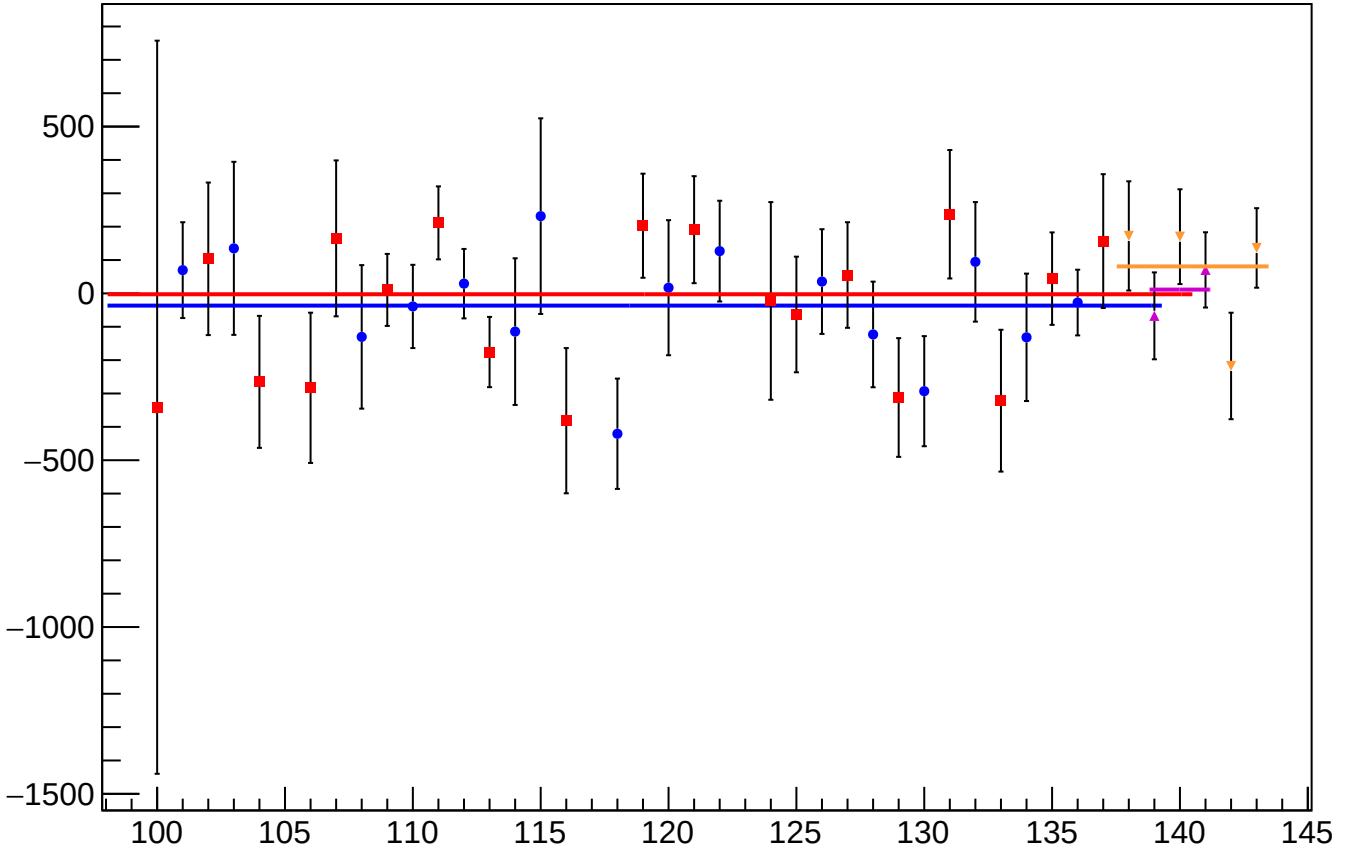
Left In: 860.680+/-0.472 χ^2/NDF:112496.5/1

+ sign 963.681+/-0.224 χ^2/NDF: 1516709.1/19

All: 975.519+/-0.164 χ^2/NDF: 2964926.6/40

- sign 989.227+/-0.241 χ^2/NDF: 1442184.5/20

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 80.905+/-71.334 χ^2/NDF:4.4/3

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

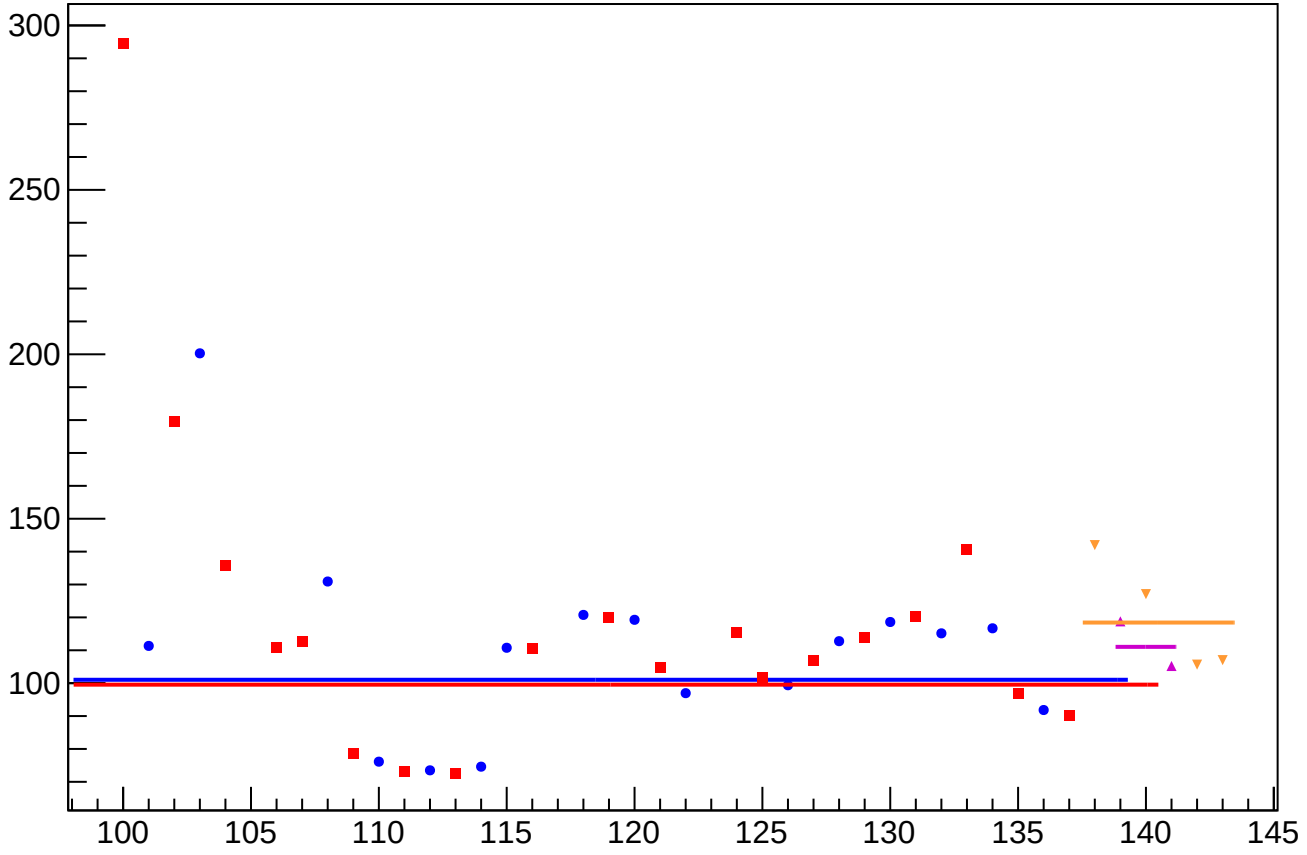
Left In: 11.418+/-85.261 χ^2/NDF:0.6/1

+ sign -9.561+/-34.213 χ^2/NDF: 19.4/19

All: -4.980+/-24.409 χ^2/NDF: 44.8/40

- sign -0.232+/-34.834 χ^2/NDF: 25.4/20

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 118.433+/-0.050 χ^2/NDF:80041.6/3

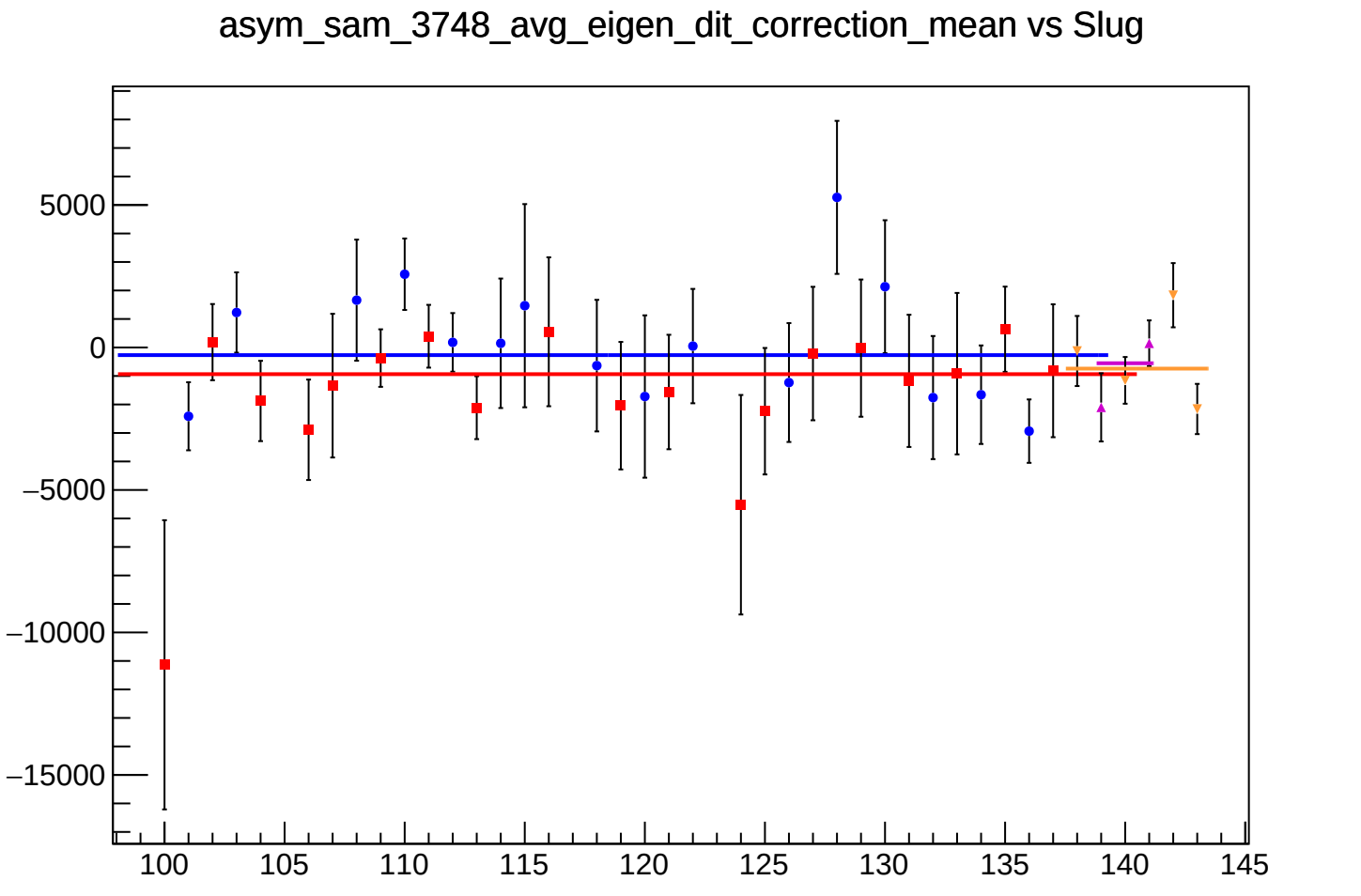
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 111.043+/-0.060 χ^2/NDF:12409.3/1

+ sign 105.034+/-0.024 χ^2/NDF: 887775.8/19

All: 103.282+/-0.017 χ^2/NDF: 1821655.0/40

- sign 101.466+/-0.025 χ^2/NDF: 923197.7/20



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -741.924+/-486.502 χ^2/NDF:8.3/3

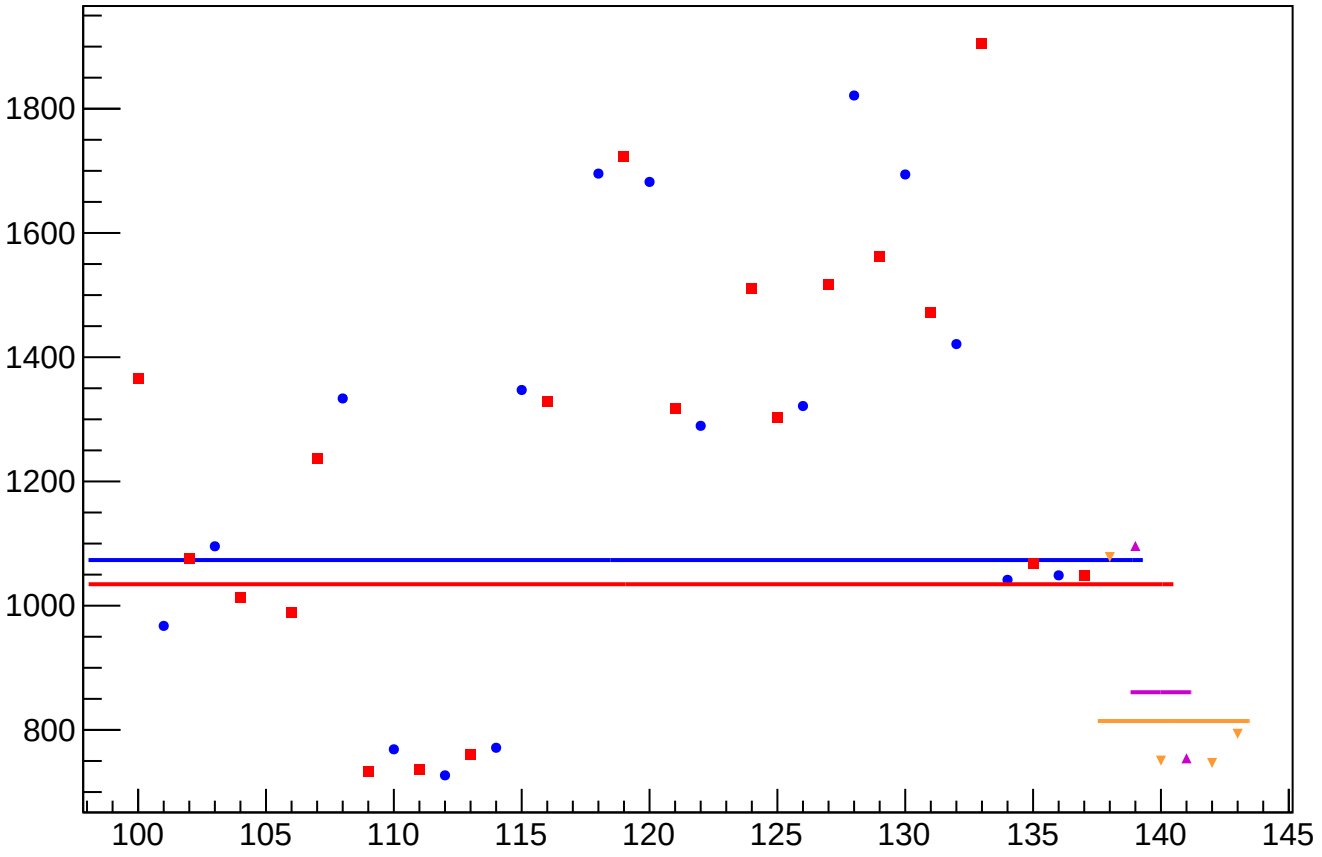
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -553.137+/-667.411 χ^2/NDF:2.4/1

+ sign -468.687+/-316.637 χ^2/NDF: 32.3/19

All: -639.262+/-231.941 χ^2/NDF: 48.8/40

- sign -836.764+/-340.713 χ^2/NDF: 15.8/20



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 814.306+/-0.344 χ^2/NDF:112551.3/3

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

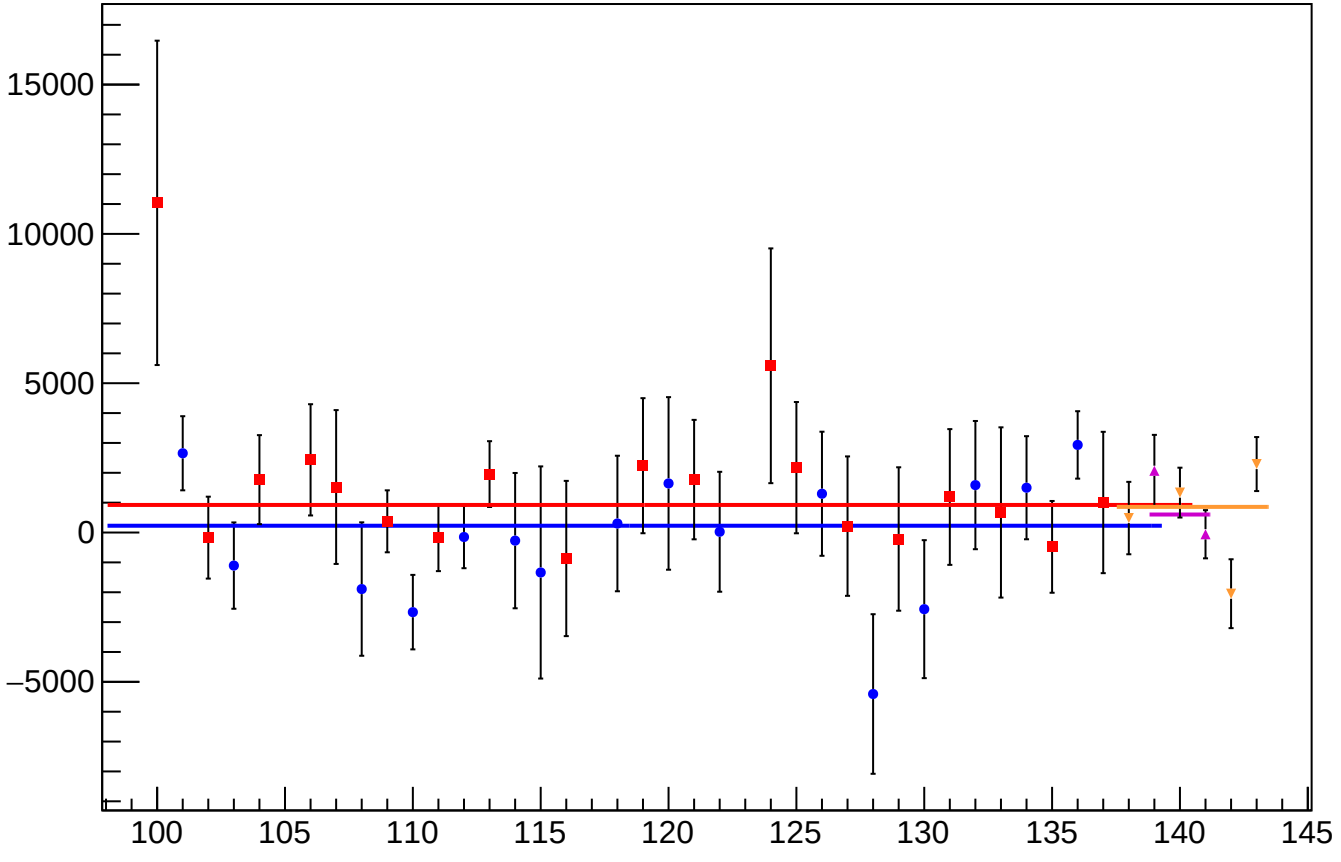
Left In: 860.678+/-0.472 χ^2/NDF:112497.4/1

+ sign 963.679+/-0.224 χ^2/NDF: 1516713.3/19

All: 975.518+/-0.164 χ^2/NDF: 2964934.4/40

- sign 989.225+/-0.241 χ^2/NDF: 1442188.2/20

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 858.707+/-494.353 χ^2/NDF:9.3/3

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

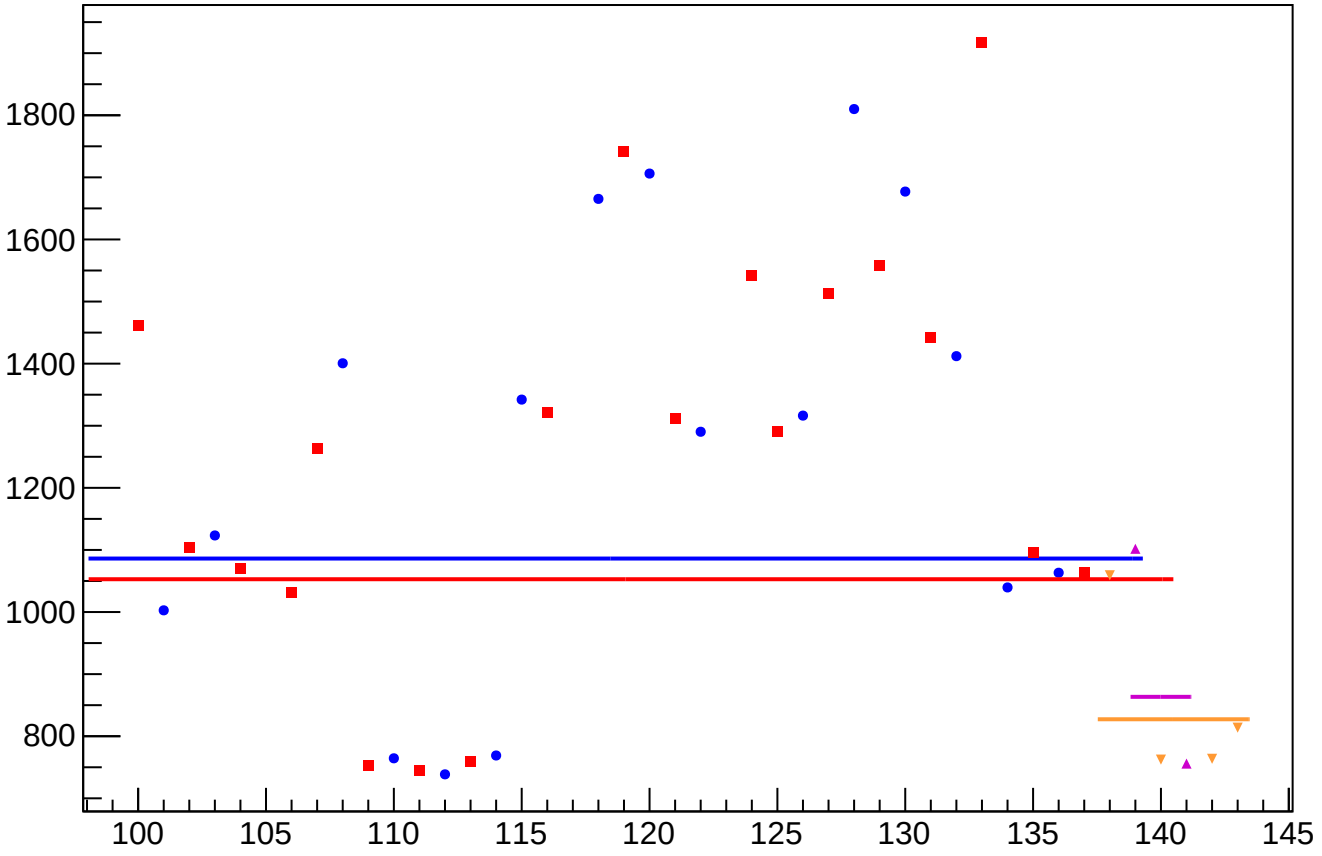
Left In: 603.156+/-669.974 χ^2/NDF:2.2/1

+ sign 493.456+/-320.890 χ^2/NDF: 34.7/19

All: 653.285+/-235.092 χ^2/NDF: 48.7/40

- sign 838.465+/-345.403 χ^2/NDF: 13.5/20

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 827.303+/-0.350 χ^2/NDF:91814.6/3

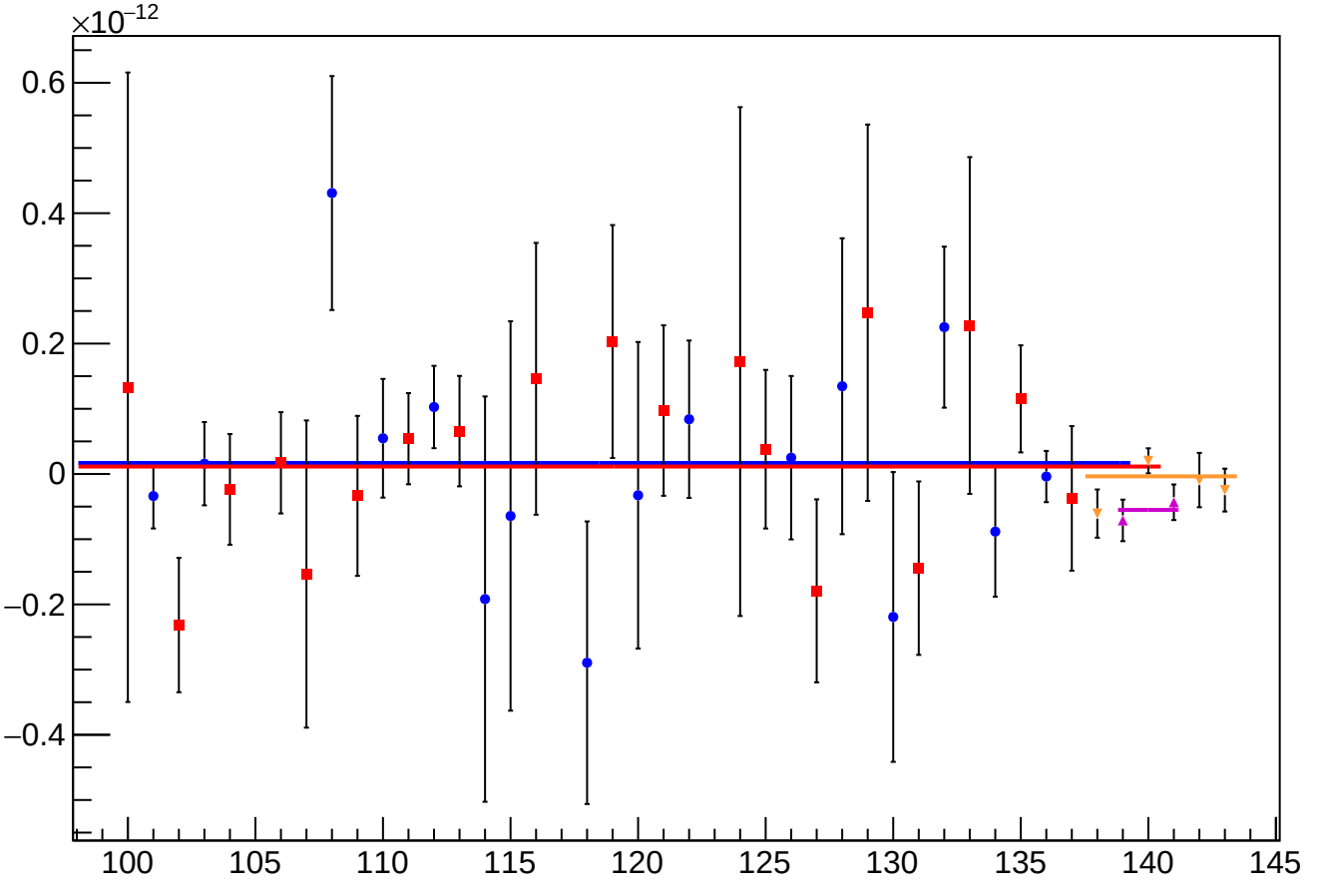
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 863.425+/-0.474 χ^2/NDF:114203.6/1

+ sign 977.079+/-0.227 χ^2/NDF: 1456556.4/19

All: 988.851+/-0.166 χ^2/NDF: 2888350.4/40

- sign 1002.489+/-0.244 χ^2/NDF: 1425984.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/3

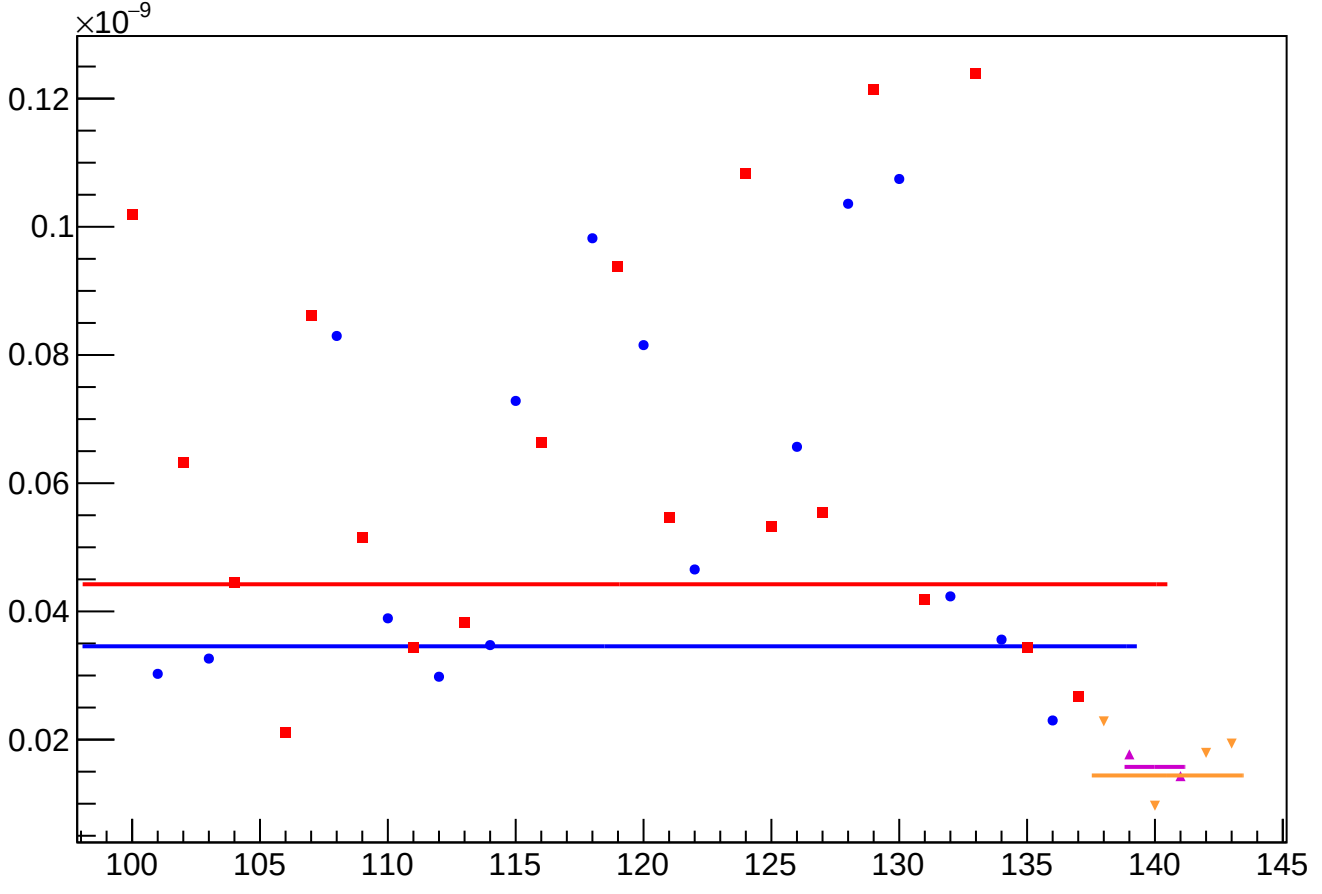
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.9/19

All: -0.000+/-0.000 χ^2/NDF: 44.6/40

- sign -0.000+/-0.000 χ^2/NDF: 20.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:284726.7/3

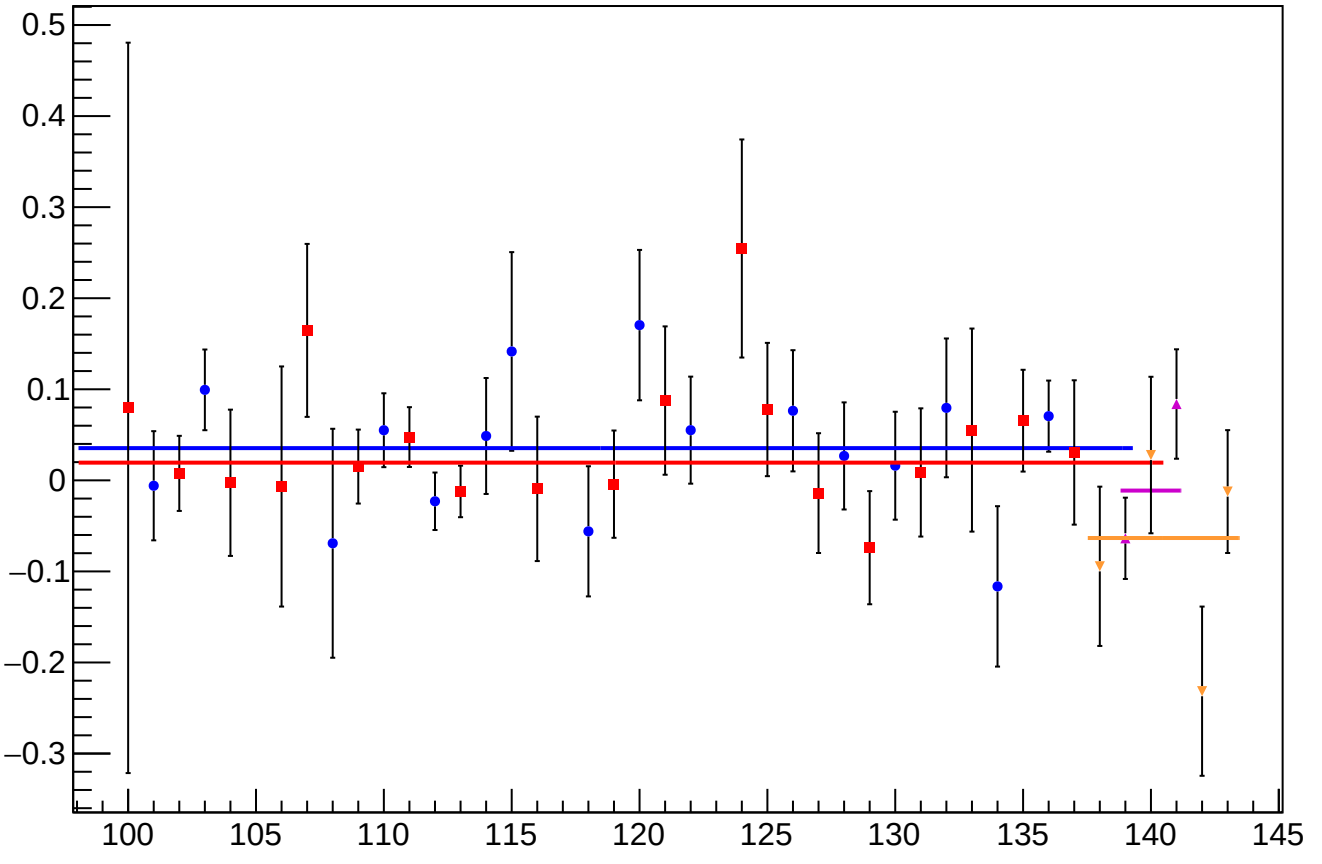
Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13115.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 2670342.5/19

All: 0.000+/-0.000 χ^2/NDF: 5336380.7/40

- sign 0.000+/-0.000 χ^2/NDF: 2494417.8/20



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

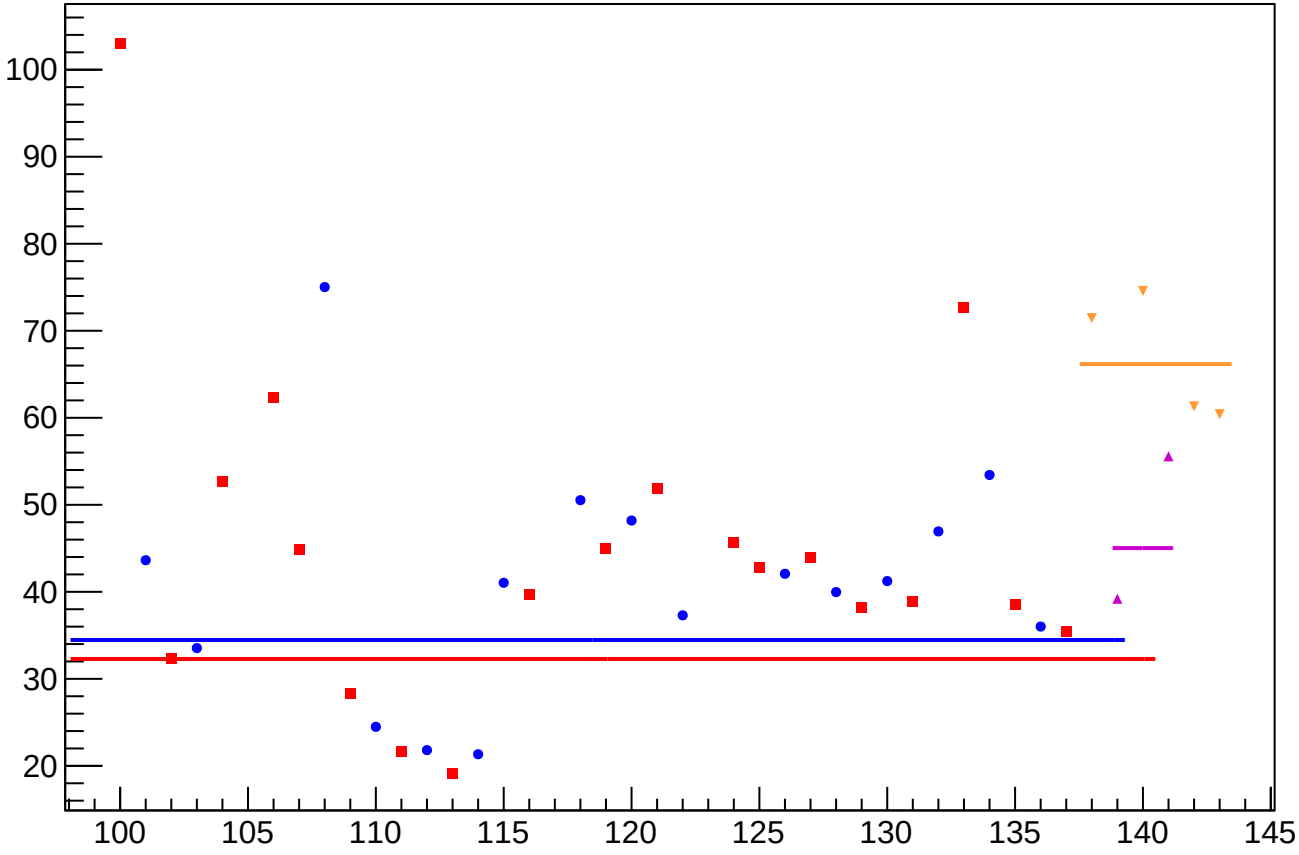
Left In: -0.011+/-0.036 χ^2/NDF:3.9/1

+ sign 0.025+/-0.013 χ^2/NDF: 27.3/19

All: 0.020+/-0.009 χ^2/NDF: 45.5/40

- sign 0.016+/-0.012 χ^2/NDF: 17.9/20

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: 66.170+/-0.029 χ^2/NDF:46454.4/3

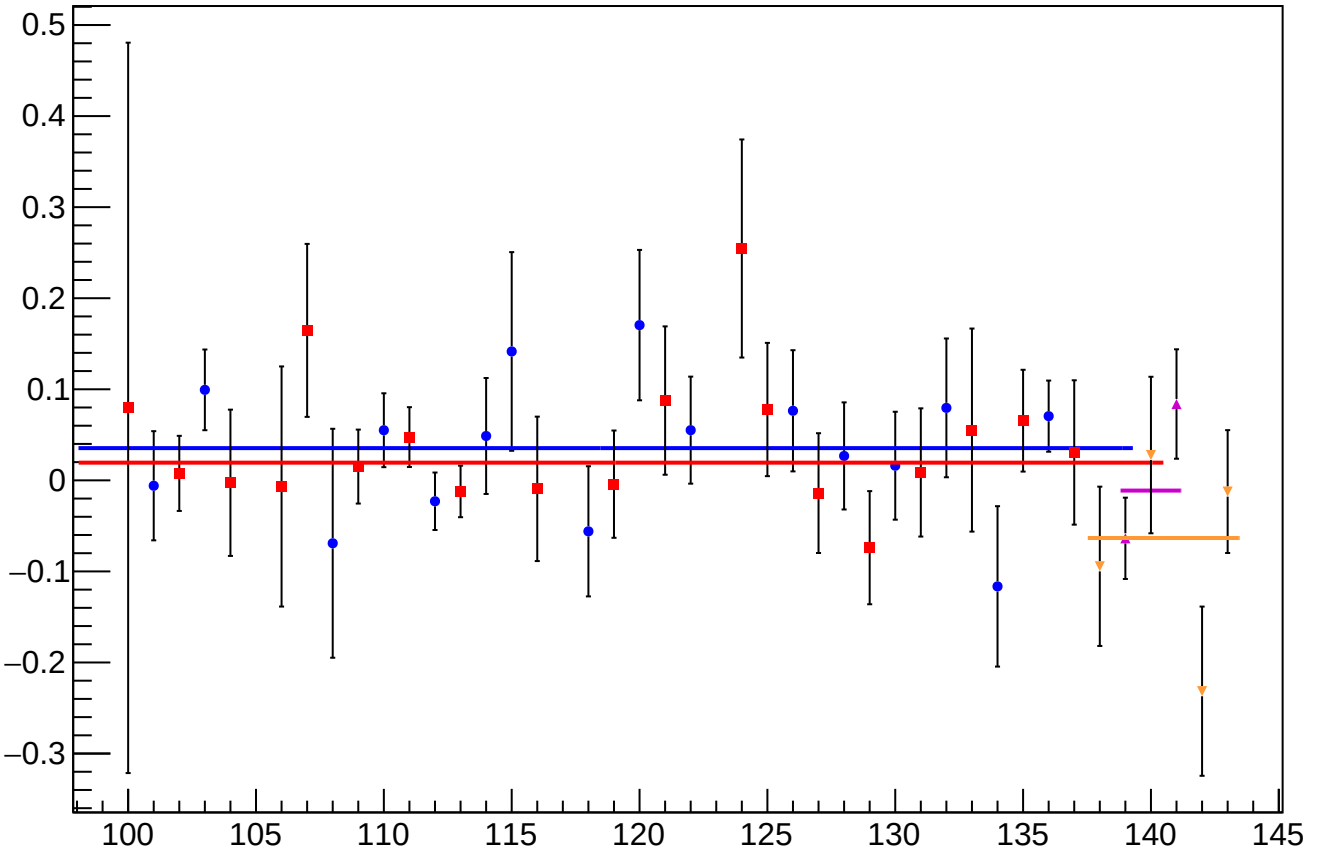
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 45.026+/-0.025 χ^2/NDF:95642.1/1

+ sign 37.766+/-0.009 χ^2/NDF: 2301368.4/19

All: 35.650+/-0.006 χ^2/NDF: 4389956.9/40

- sign 33.792+/-0.009 χ^2/NDF: 1991322.9/20



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

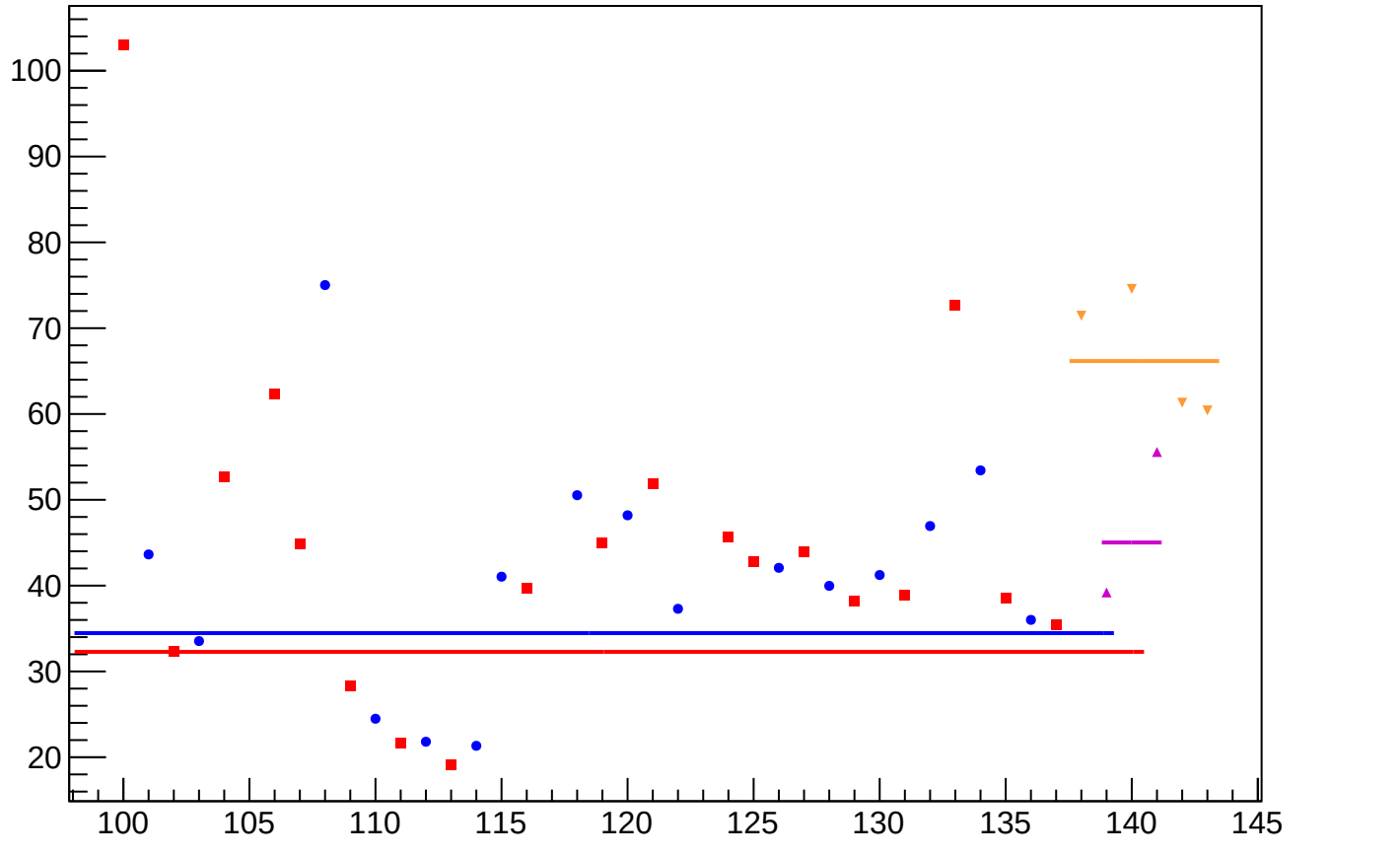
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.036 χ^2/NDF:3.9/1

+ sign 0.025+/-0.013 χ^2/NDF: 27.3/19

All: 0.020+/-0.009 χ^2/NDF: 45.5/40

- sign 0.016+/-0.012 χ^2/NDF: 17.9/20



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 66.170+/-0.029 χ^2/NDF:46454.4/3

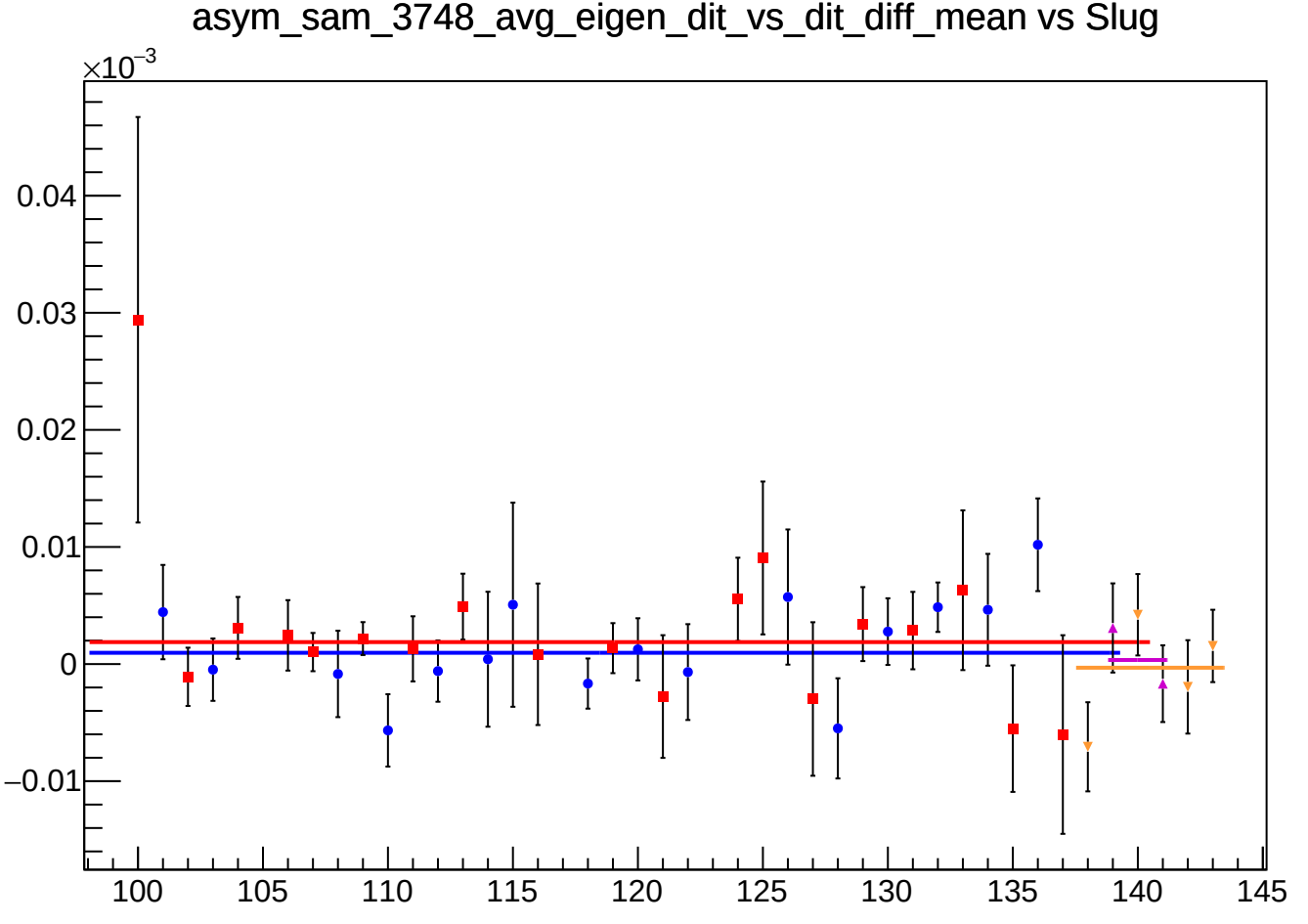
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 45.026+/-0.025 χ^2/NDF:95642.1/1

+ sign 37.766+/-0.009 χ^2/NDF: 2301368.4/19

All: 35.650+/-0.006 χ^2/NDF: 4389956.9/40

- sign 33.792+/-0.009 χ^2/NDF: 1991322.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/3

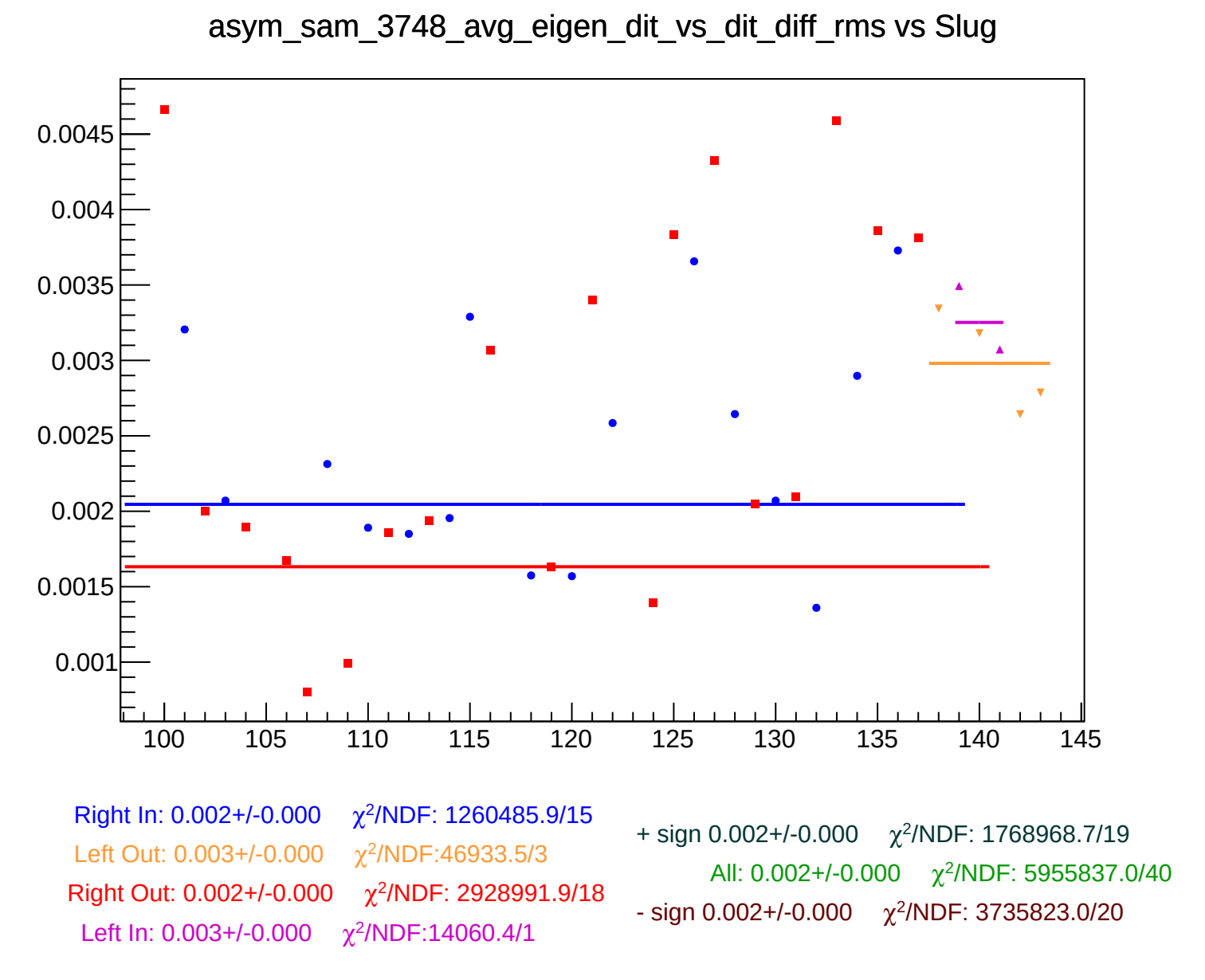
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

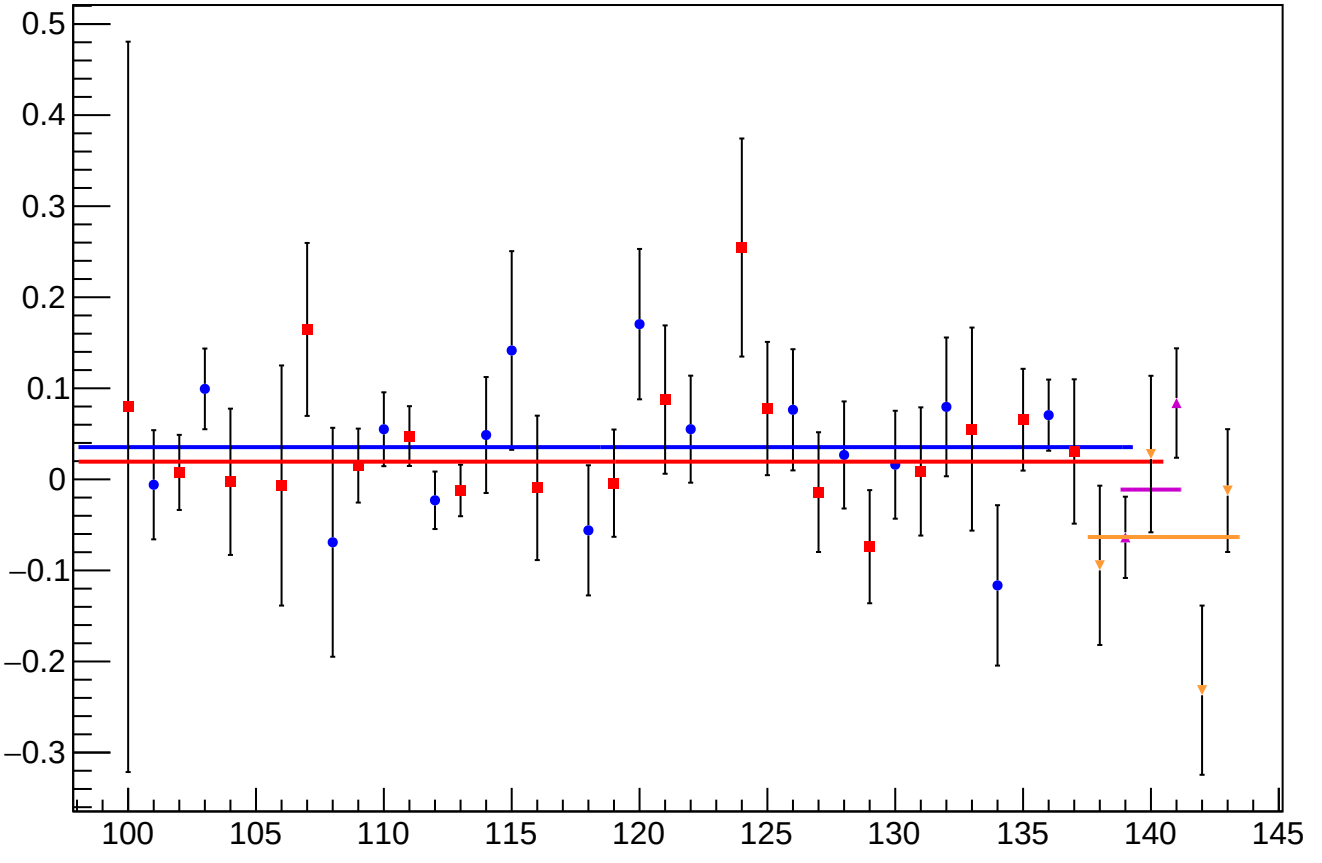
+ sign 0.000+/-0.000 χ^2/NDF: 26.7/19

All: 0.000+/-0.000 χ^2/NDF: 42.0/40

- sign 0.000+/-0.000 χ^2/NDF: 14.1/20


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:46933.5/3
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.003+/-0.000 χ²/NDF:14060.4/1
+ sign 0.002+/-0.000 χ²/NDF: 1768968.7/19
All: 0.002+/-0.000 χ²/NDF: 5955837.0/40
- sign 0.002+/-0.000 χ²/NDF: 3735823.0/20

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

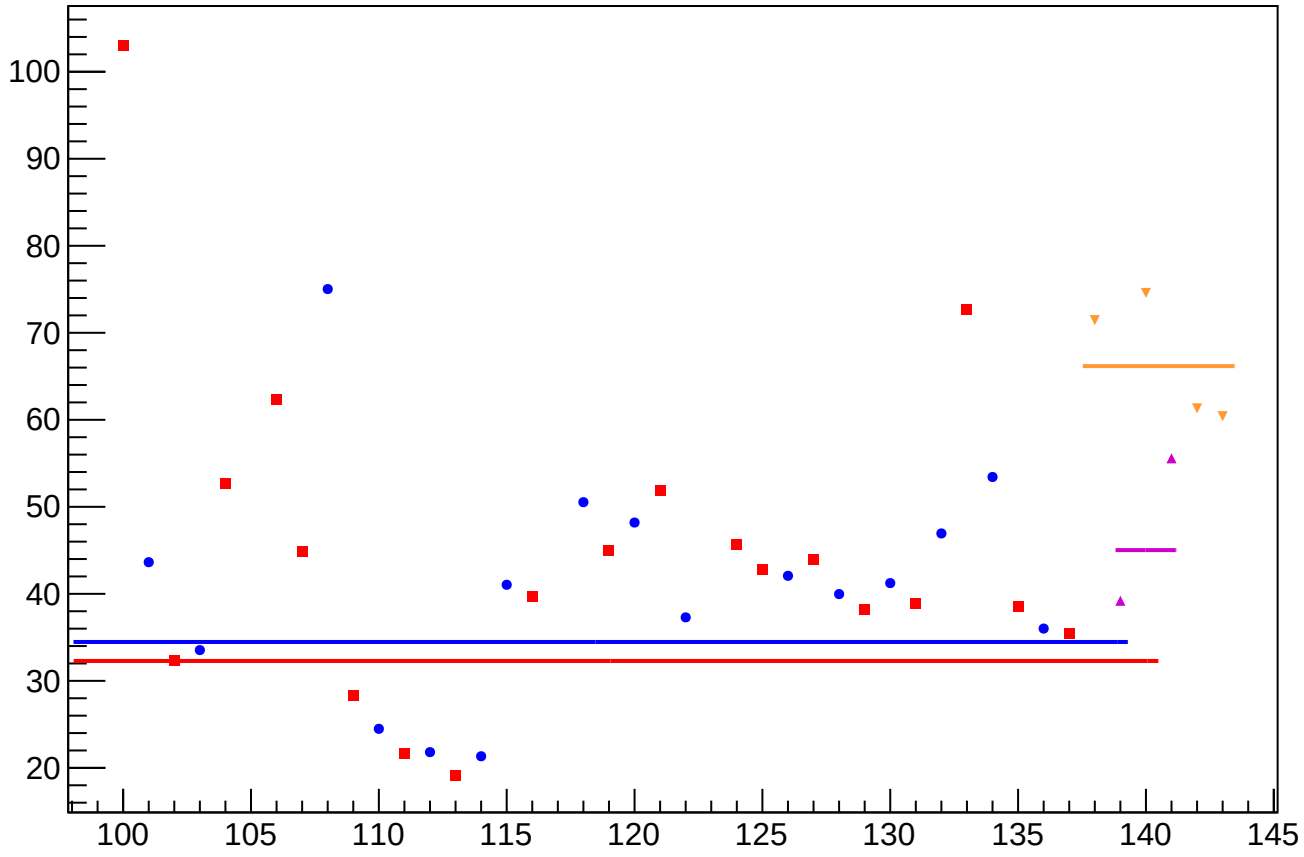
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.036 χ^2/NDF:3.9/1

+ sign 0.025+/-0.013 χ^2/NDF: 27.3/19

All: 0.020+/-0.009 χ^2/NDF: 45.5/40

- sign 0.016+/-0.012 χ^2/NDF: 17.9/20



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 66.171+/-0.029 χ^2/NDF:46449.7/3

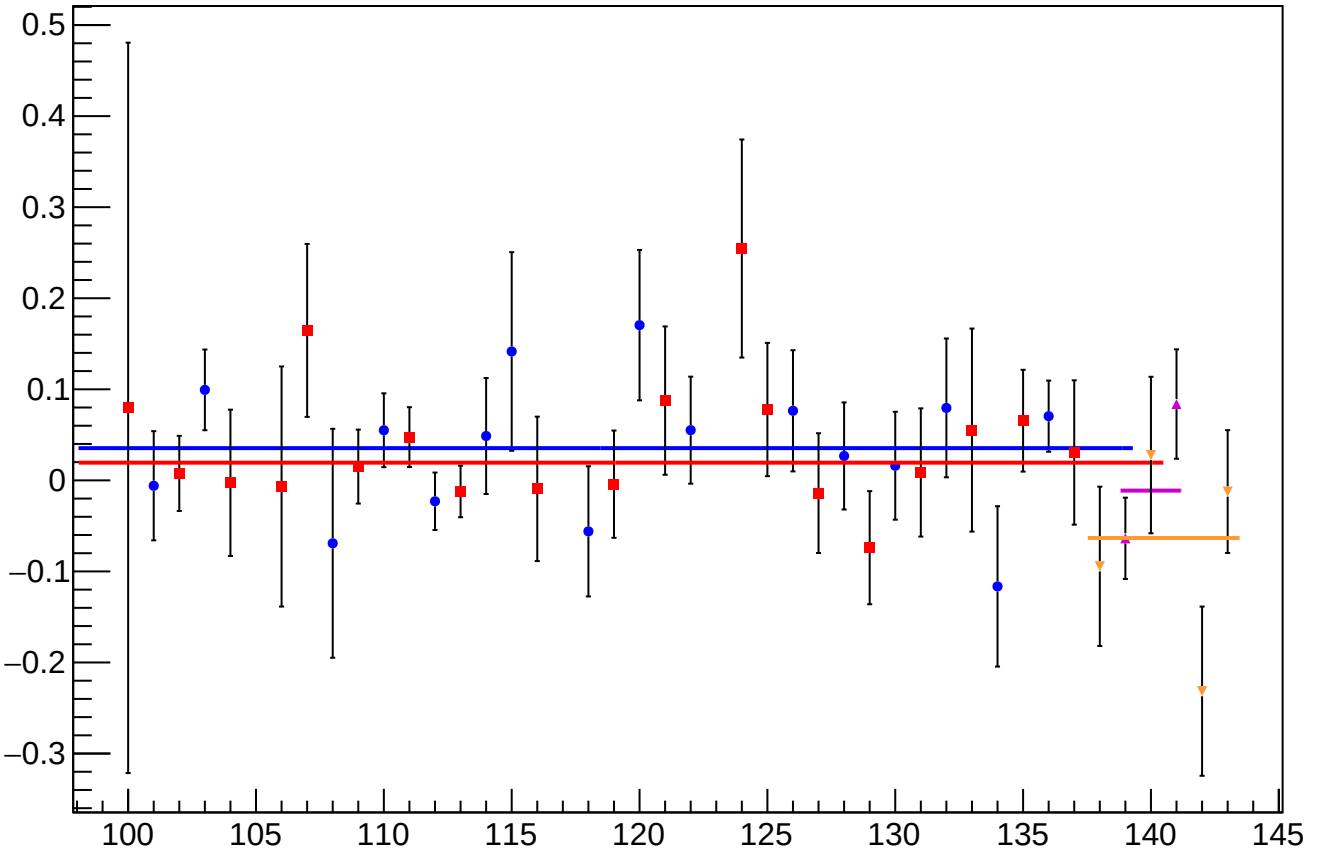
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 45.026+/-0.025 χ^2/NDF:95652.8/1

\+ sign 37.767+/-0.009 χ^2/NDF: 2301321.1/19

All: 35.651+/-0.006 χ^2/NDF: 4389876.0/40

\- sign 33.793+/-0.009 χ^2/NDF: 1991289.9/20



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

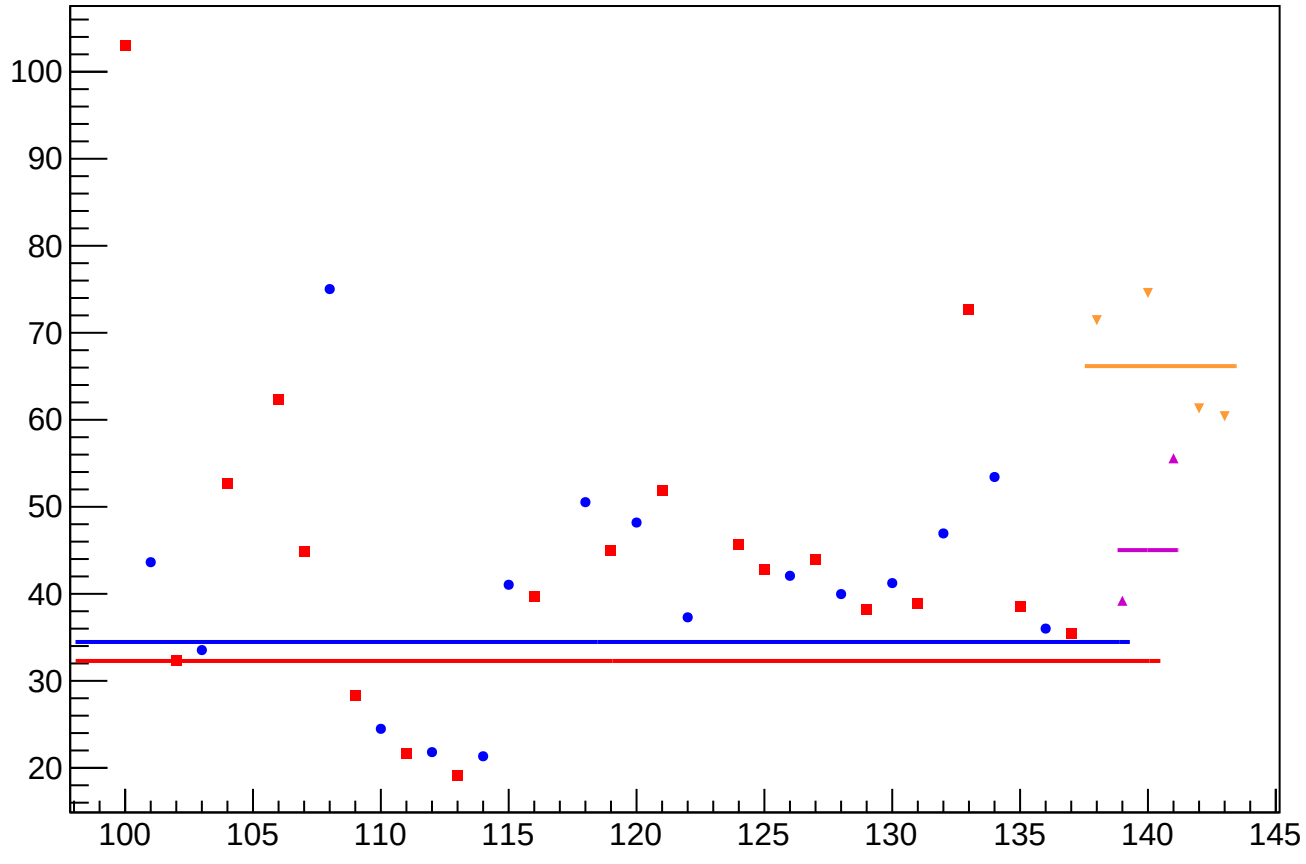
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.036 χ^2/NDF:3.9/1

+ sign 0.025+/-0.013 χ^2/NDF: 27.3/19

All: 0.020+/-0.009 χ^2/NDF: 45.5/40

- sign 0.016+/-0.012 χ^2/NDF: 17.9/20



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 66.171+/-0.029 χ^2/NDF:46449.7/3

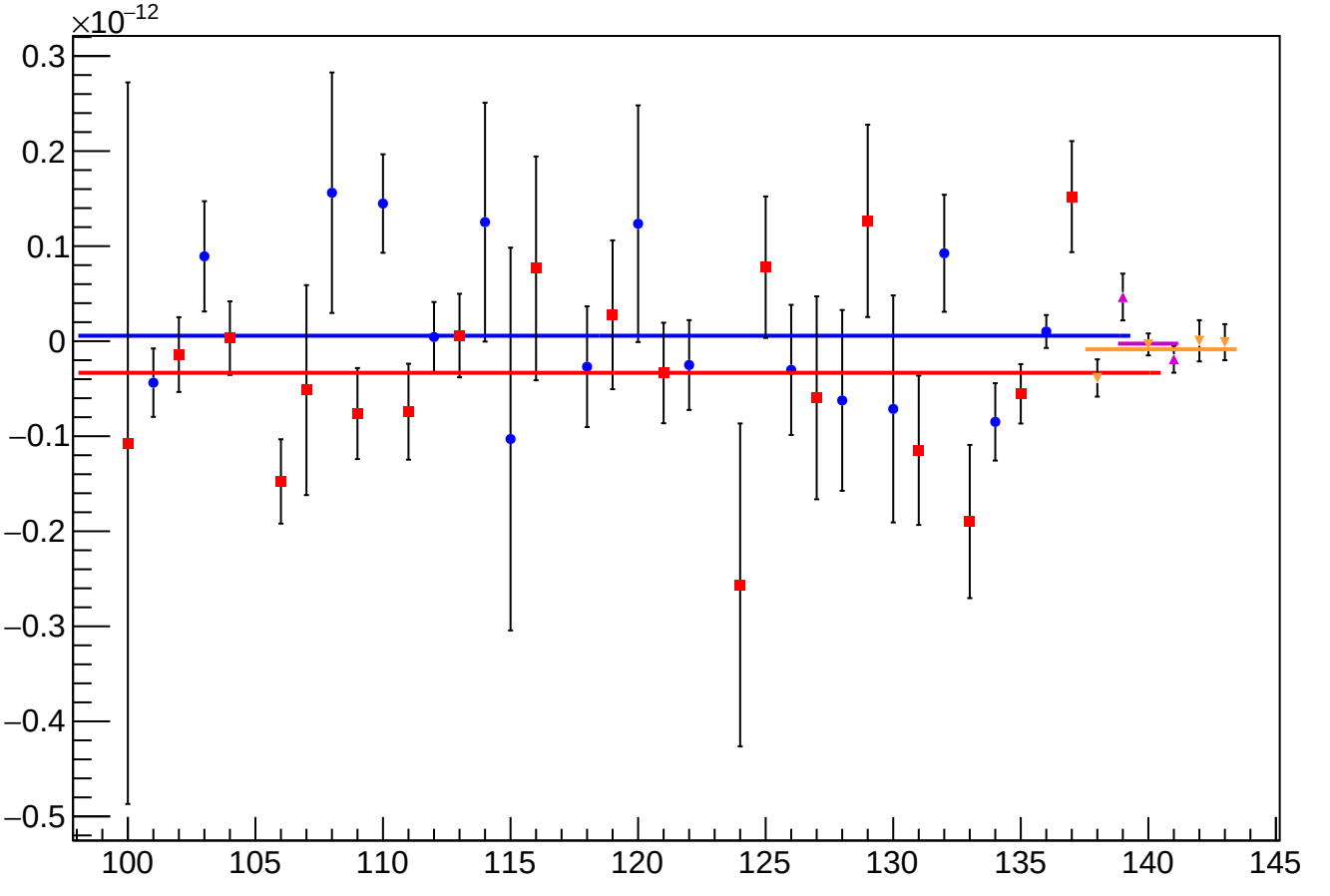
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 45.026+/-0.025 χ^2/NDF:95652.8/1

+ sign 37.767+/-0.009 χ^2/NDF: 2301321.1/19

All: 35.651+/-0.006 χ^2/NDF: 4389876.0/40

- sign 33.793+/-0.009 χ^2/NDF: 1991289.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/3

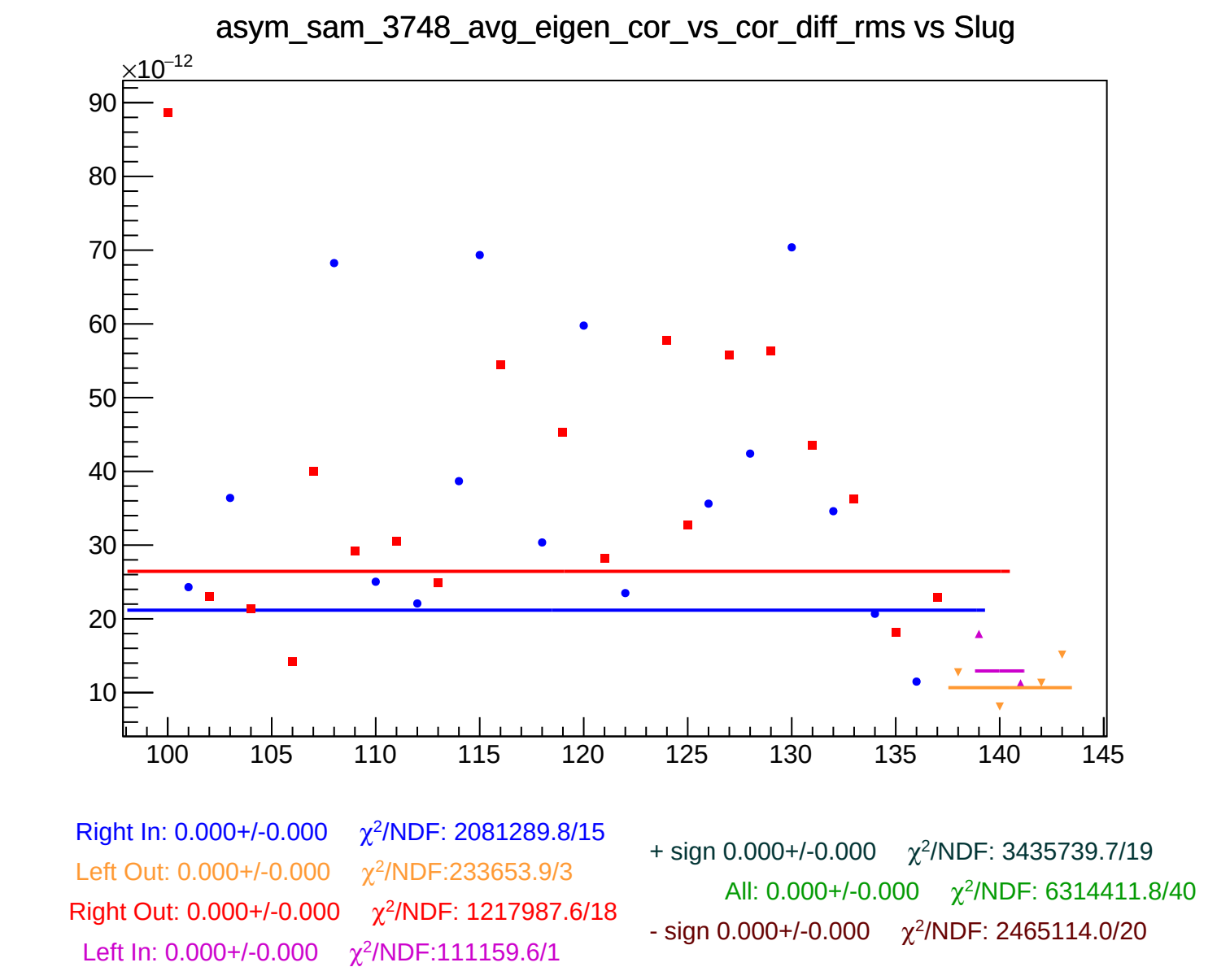
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/1

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/19

All: -0.000+/-0.000 χ^2/NDF: 70.7/40

- sign -0.000+/-0.000 χ^2/NDF: 41.7/20


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
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40
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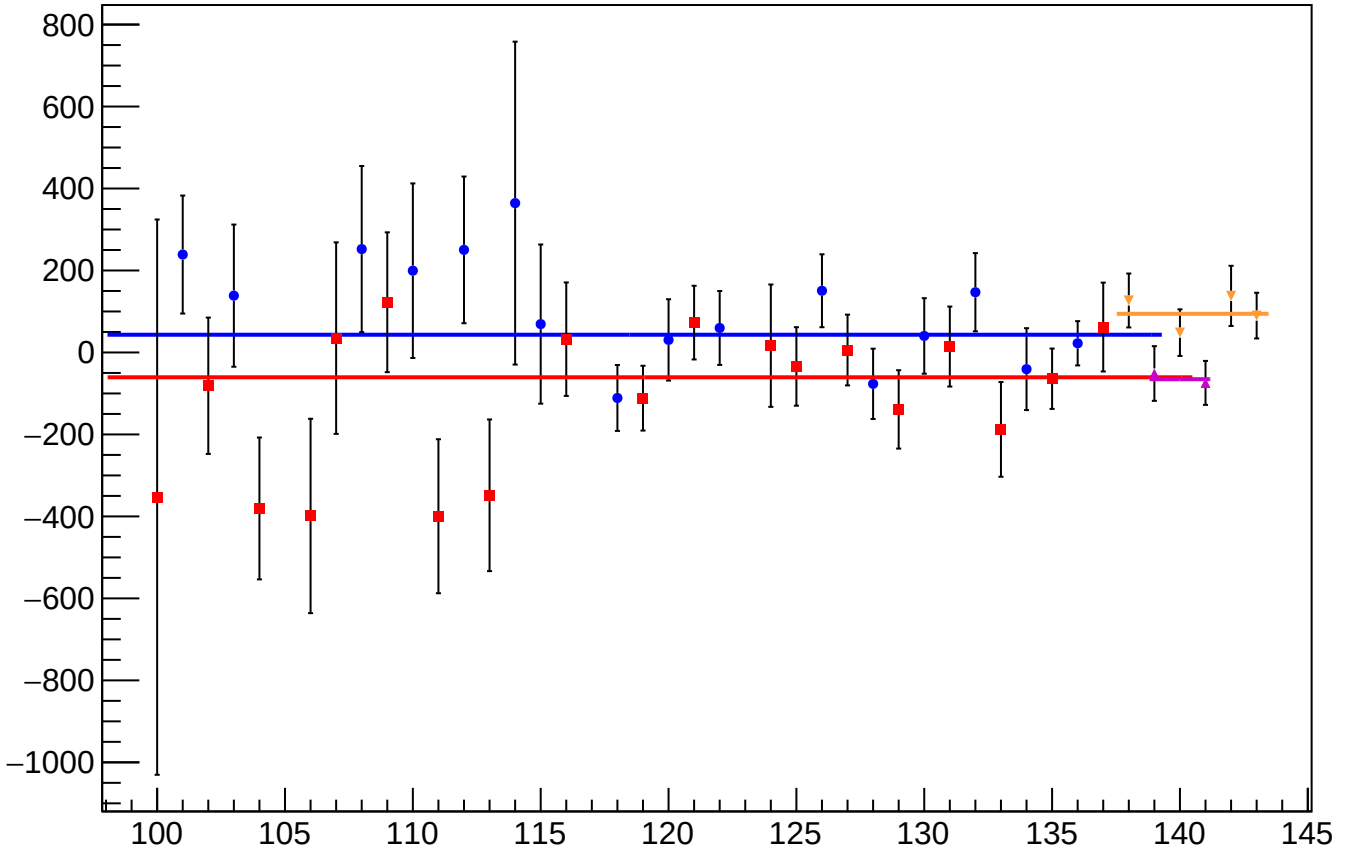
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:233653.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:111159.6/1
+ sign 0.000+/-0.000 χ²/NDF: 3435739.7/19
All: 0.000+/-0.000 χ²/NDF: 6314411.8/40
- sign 0.000+/-0.000 χ²/NDF: 2465114.0/20

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.332+/-30.890 χ^2/NDF:1.3/3

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

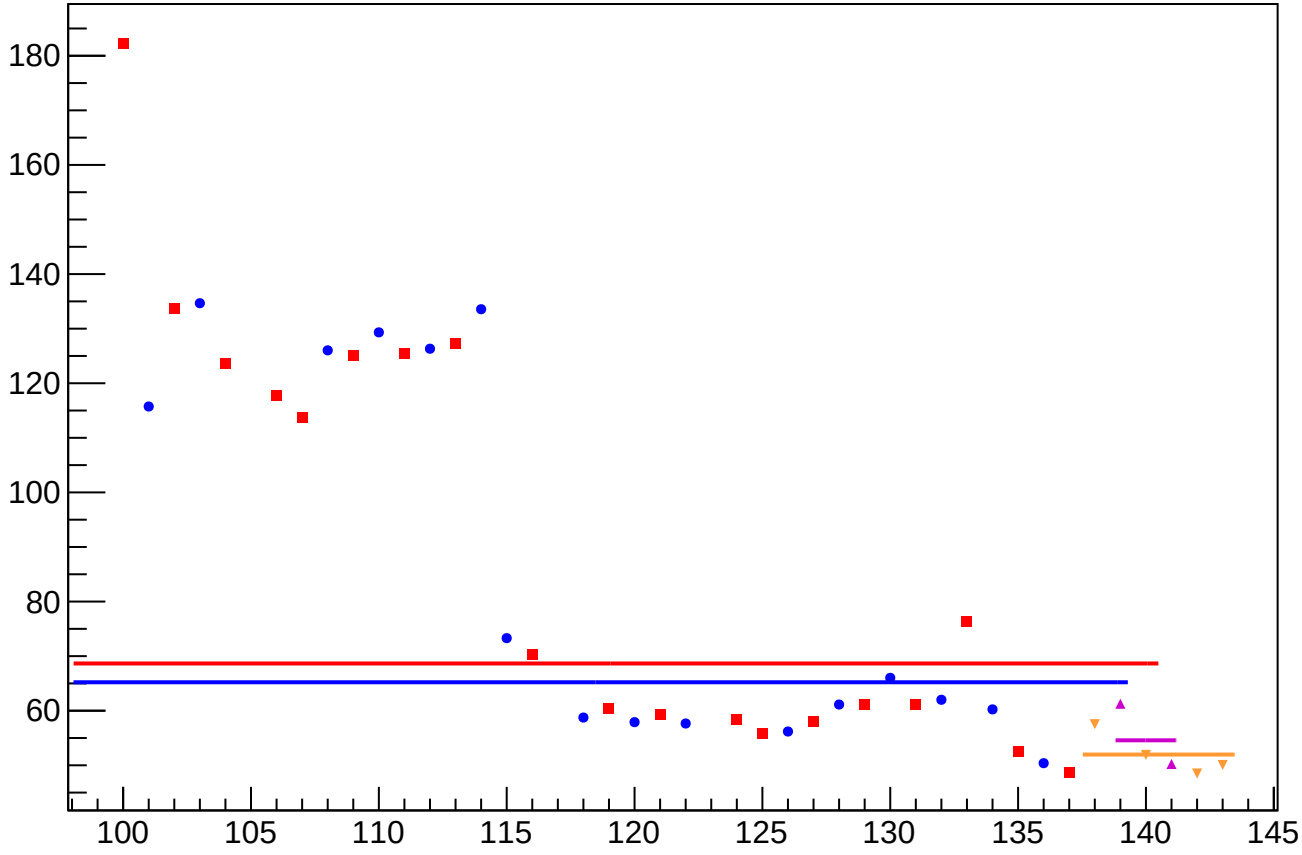
Left In: -65.247+/-41.803 χ^2/NDF:0.1/1

+ sign 64.221+/-19.793 χ^2/NDF: 17.8/19

All: 9.504+/-14.895 χ^2/NDF: 55.9/40

- sign -61.947+/-22.618 χ^2/NDF: 20.5/20

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.7/3

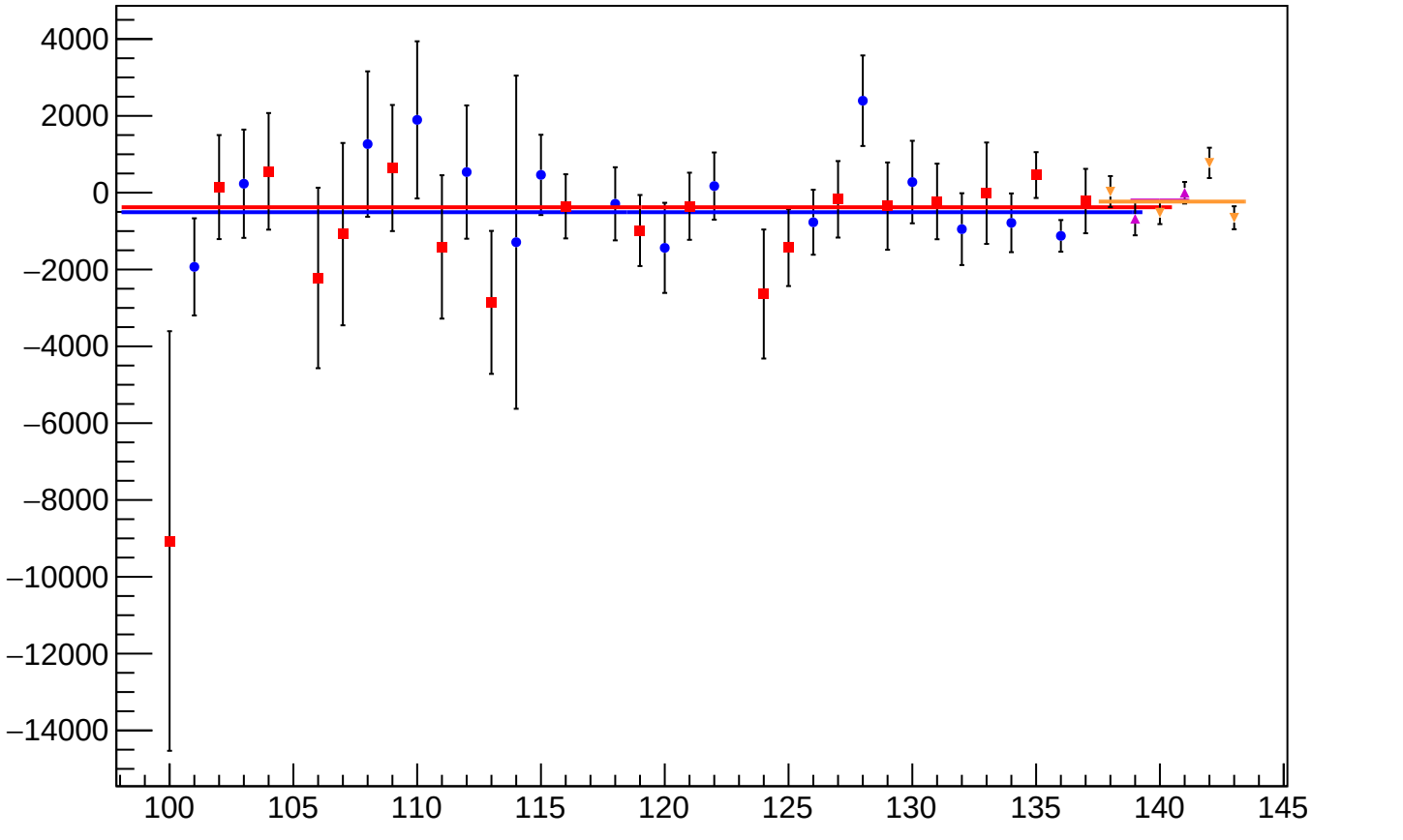
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 54.578+/-0.030 χ^2/NDF:33257.7/1

+ sign 59.775+/-0.014 χ^2/NDF: 1684309.1/19

All: 61.839+/-0.011 χ^2/NDF: 3569063.2/40

- sign 64.535+/-0.016 χ^2/NDF: 1834587.1/20



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -231.391+/-168.690 χ^2/NDF:9.9/3

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

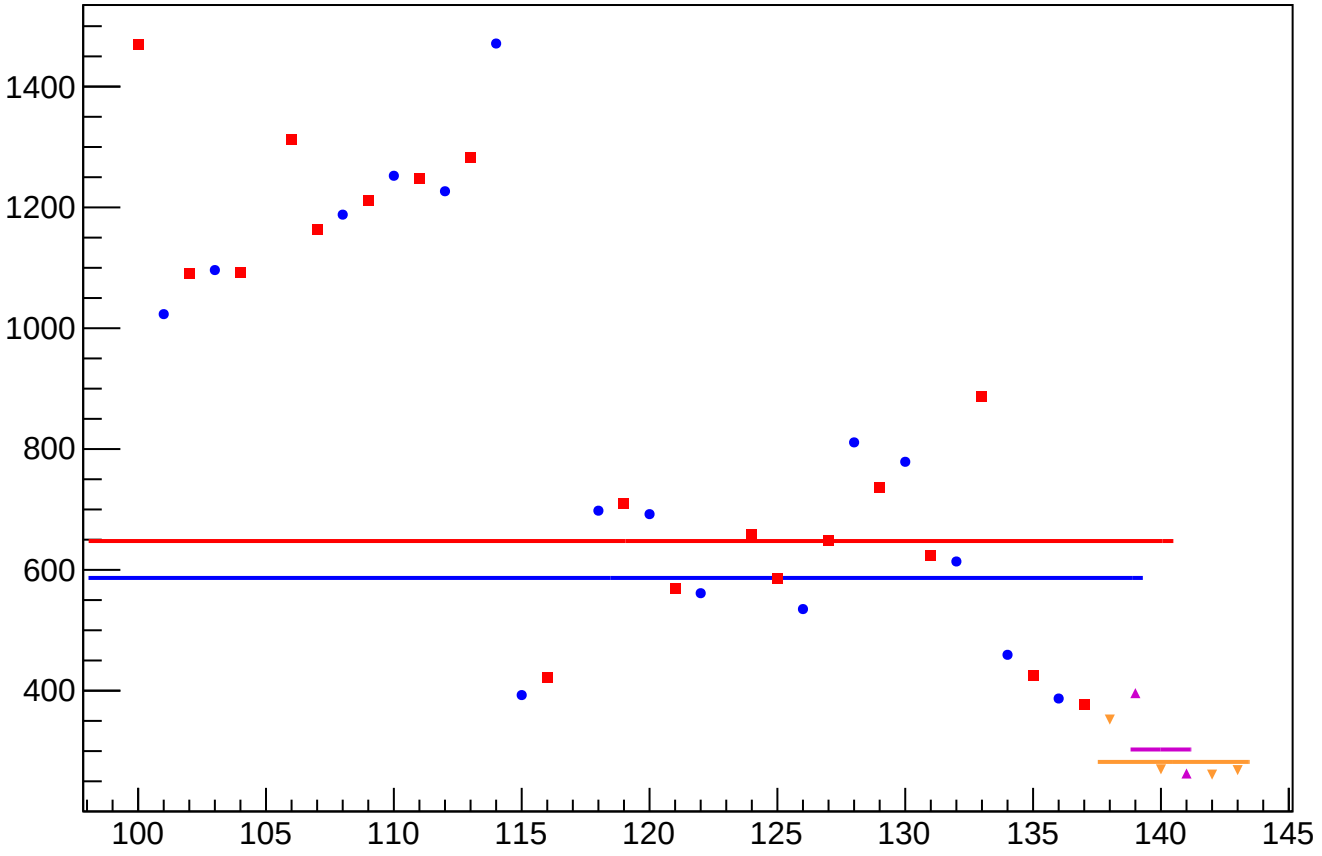
Left In: -203.481+/-235.488 χ^2/NDF:1.7/1

+ sign -324.409+/-137.421 χ^2/NDF: 26.4/19

All: -308.724+/-107.710 χ^2/NDF: 40.1/40

- sign -283.740+/-173.440 χ^2/NDF: 13.7/20

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 282.109+/-0.119 χ^2/NDF:73339.6/3

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

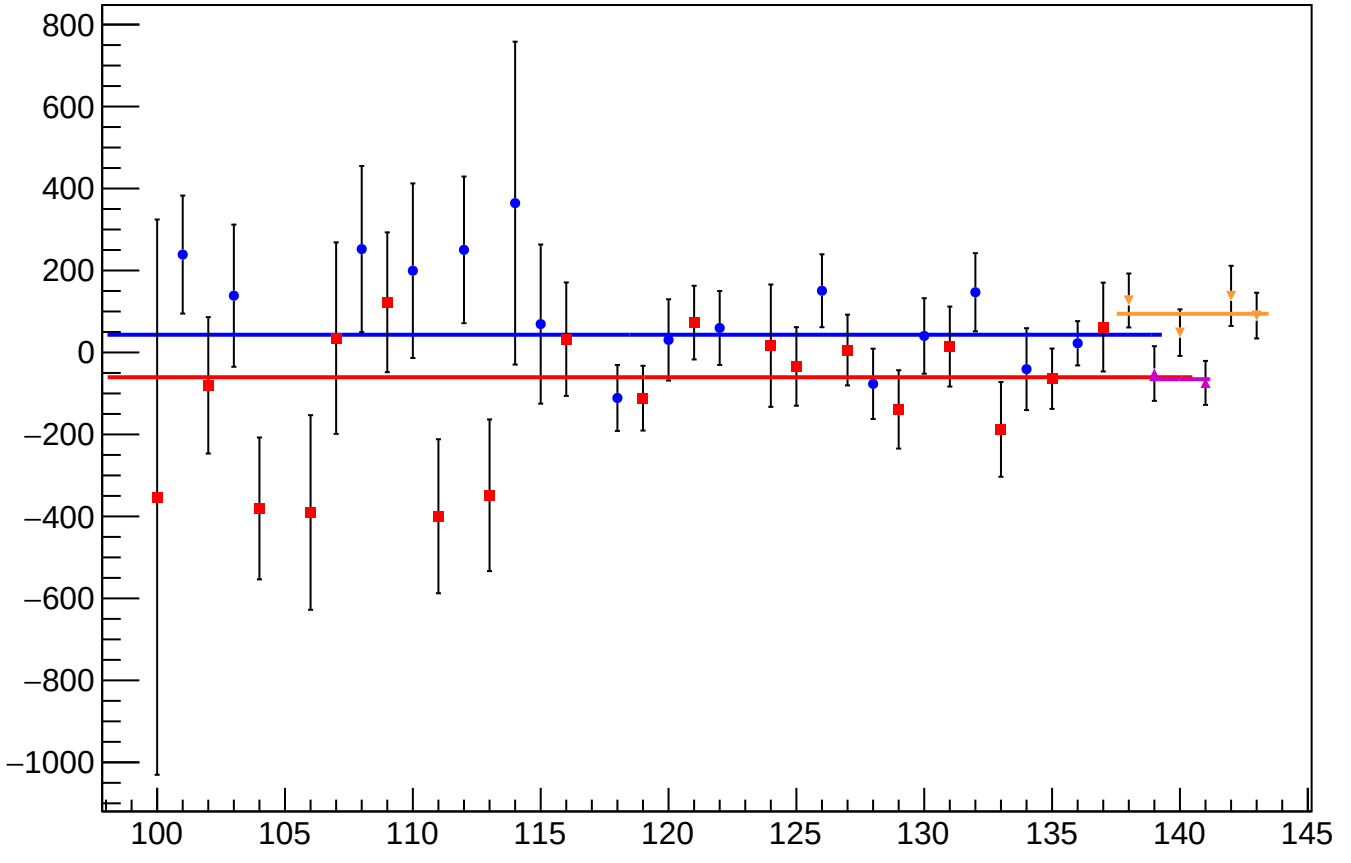
Left In: 302.662+/-0.167 χ^2/NDF:133675.7/1

+ sign 384.544+/-0.097 χ^2/NDF: 4318992.2/19

All: 413.857+/-0.076 χ^2/NDF: 8759232.3/40

- sign 460.550+/-0.123 χ^2/NDF: 4204285.9/20

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.335+/-30.890 χ^2/NDF:1.3/3

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

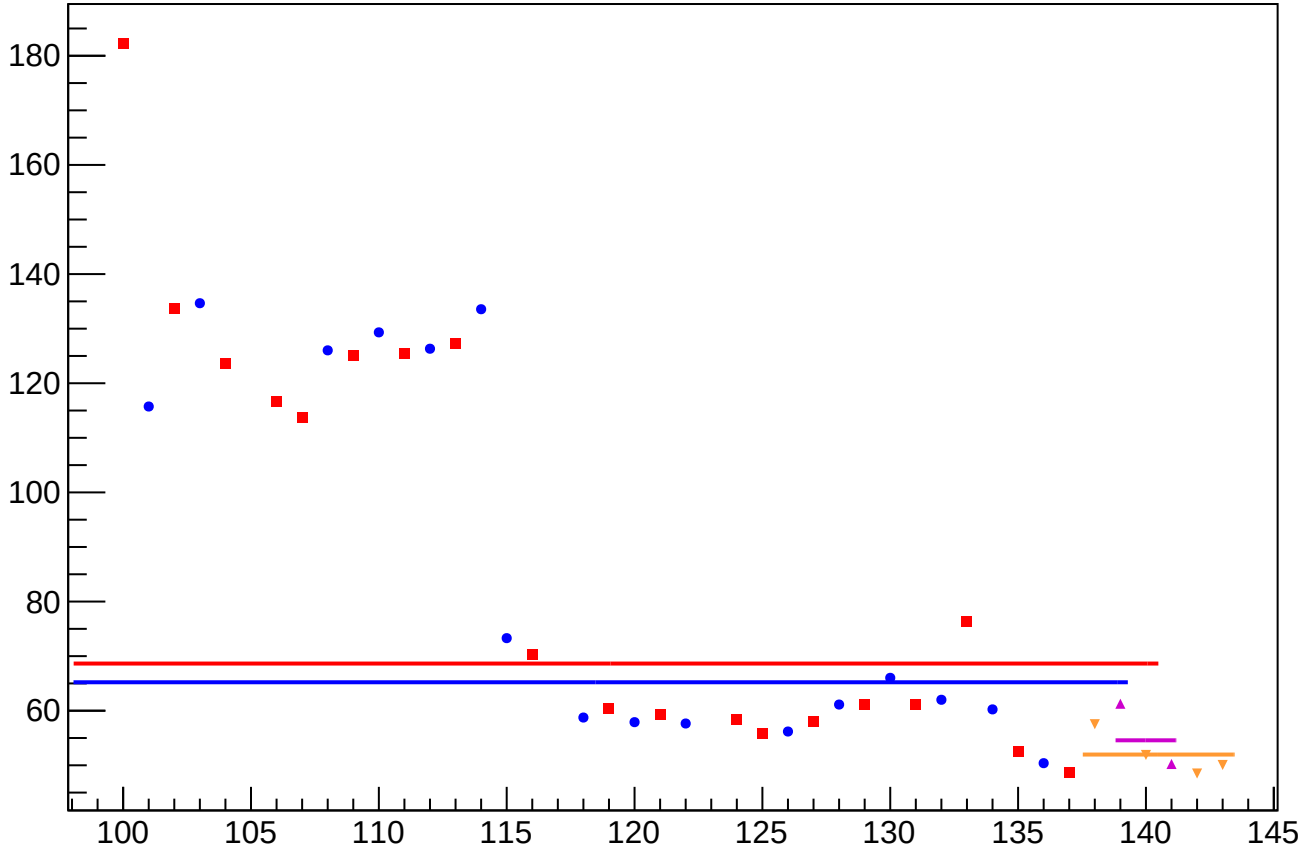
Left In: -65.256+/-41.803 χ^2/NDF:0.1/1

+ sign 64.218+/-19.793 χ^2/NDF: 17.8/19

All: 9.548+/-14.895 χ^2/NDF: 55.8/40

- sign -61.844+/-22.618 χ^2/NDF: 20.4/20

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.6/3

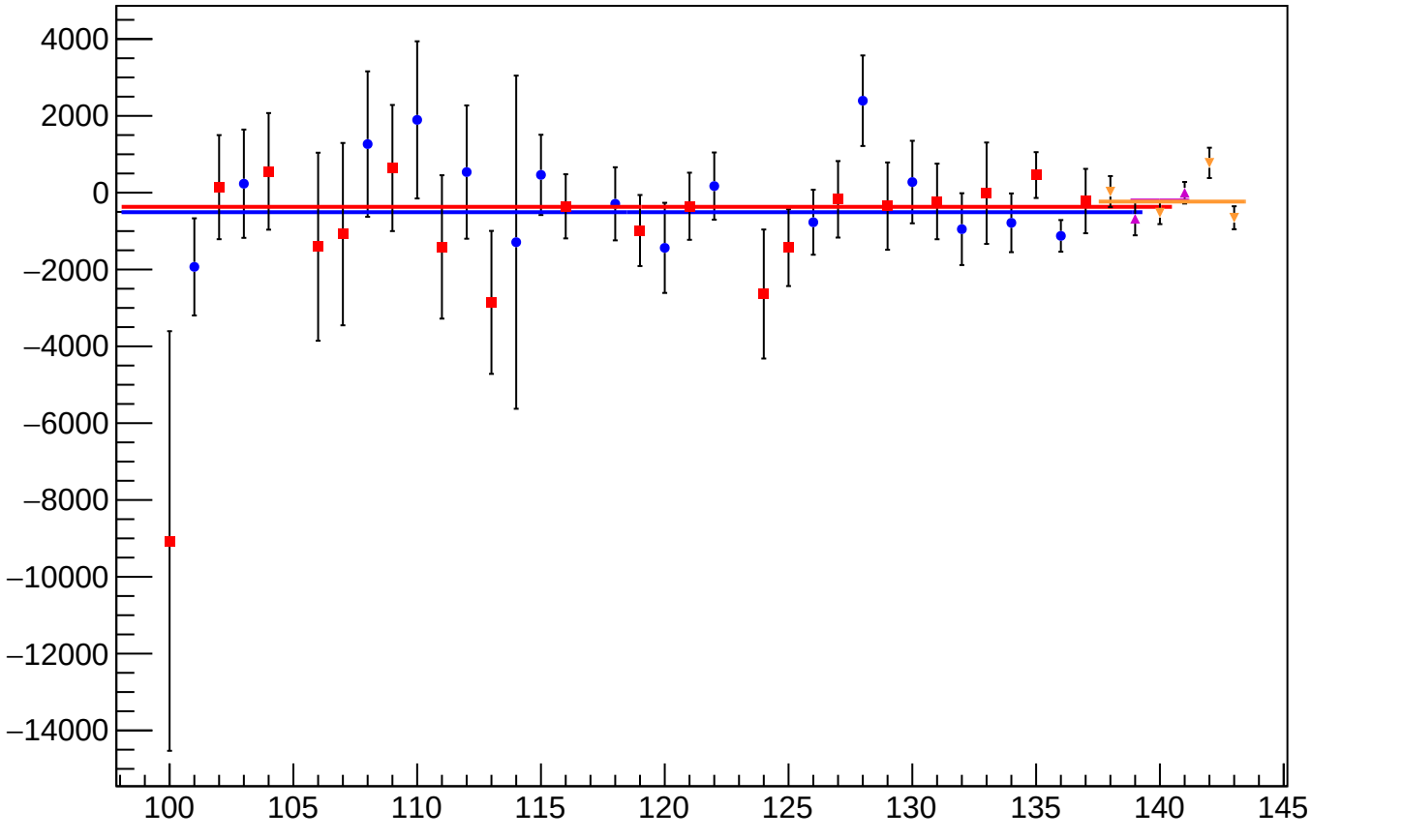
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 54.578+/-0.030 χ^2/NDF:33257.7/1

+ sign 59.775+/-0.014 χ^2/NDF: 1684311.3/19

All: 61.835+/-0.011 χ^2/NDF: 3565172.8/40

- sign 64.525+/-0.016 χ^2/NDF: 1830913.9/20



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -231.384+/-168.689 χ^2/NDF:9.9/3

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

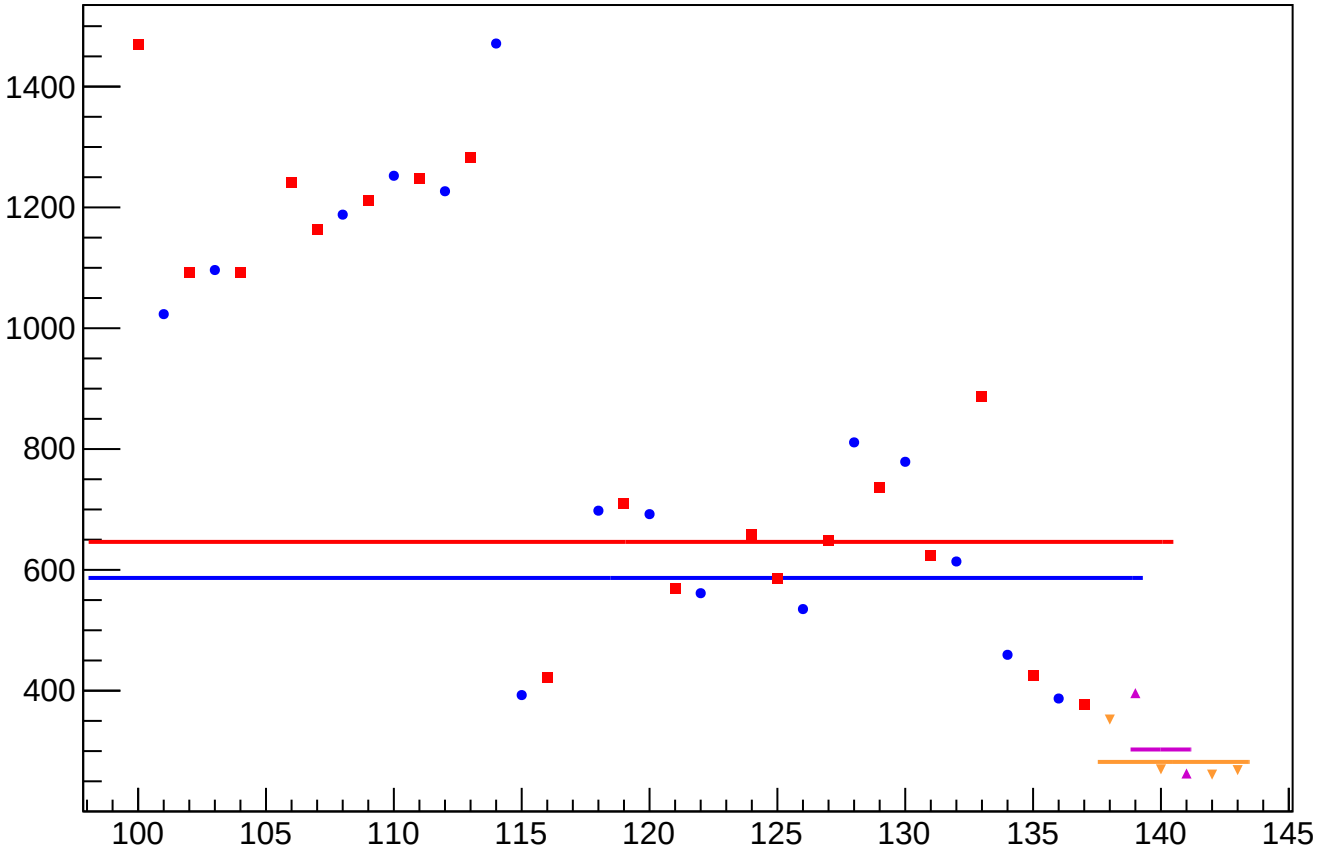
Left In: -203.489+/-235.488 χ^2/NDF:1.7/1

+ sign -324.398+/-137.421 χ^2/NDF: 26.4/19

All: -306.846+/-107.719 χ^2/NDF: 39.7/40

- sign -278.873+/-173.479 χ^2/NDF: 13.2/20

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 282.108+/-0.119 χ^2/NDF:73339.8/3

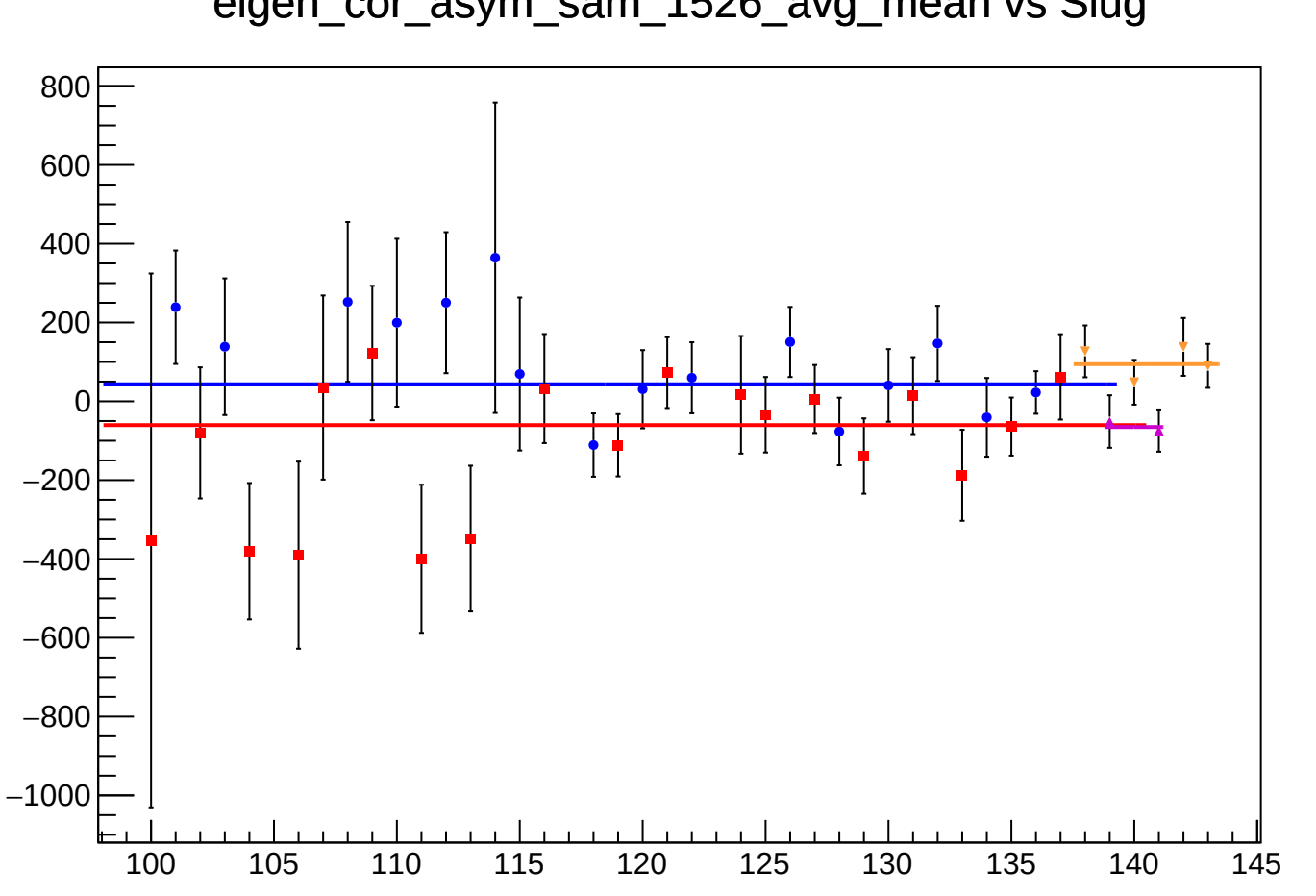
Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 302.662+/-0.167 χ^2/NDF:133674.8/1

+ sign 384.544+/-0.097 χ^2/NDF: 4319027.6/19

All: 413.568+/-0.076 χ^2/NDF: 8695199.4/40

- sign 459.821+/-0.123 χ^2/NDF: 4144779.5/20



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.335+/-30.890 χ^2/NDF:1.3/3

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

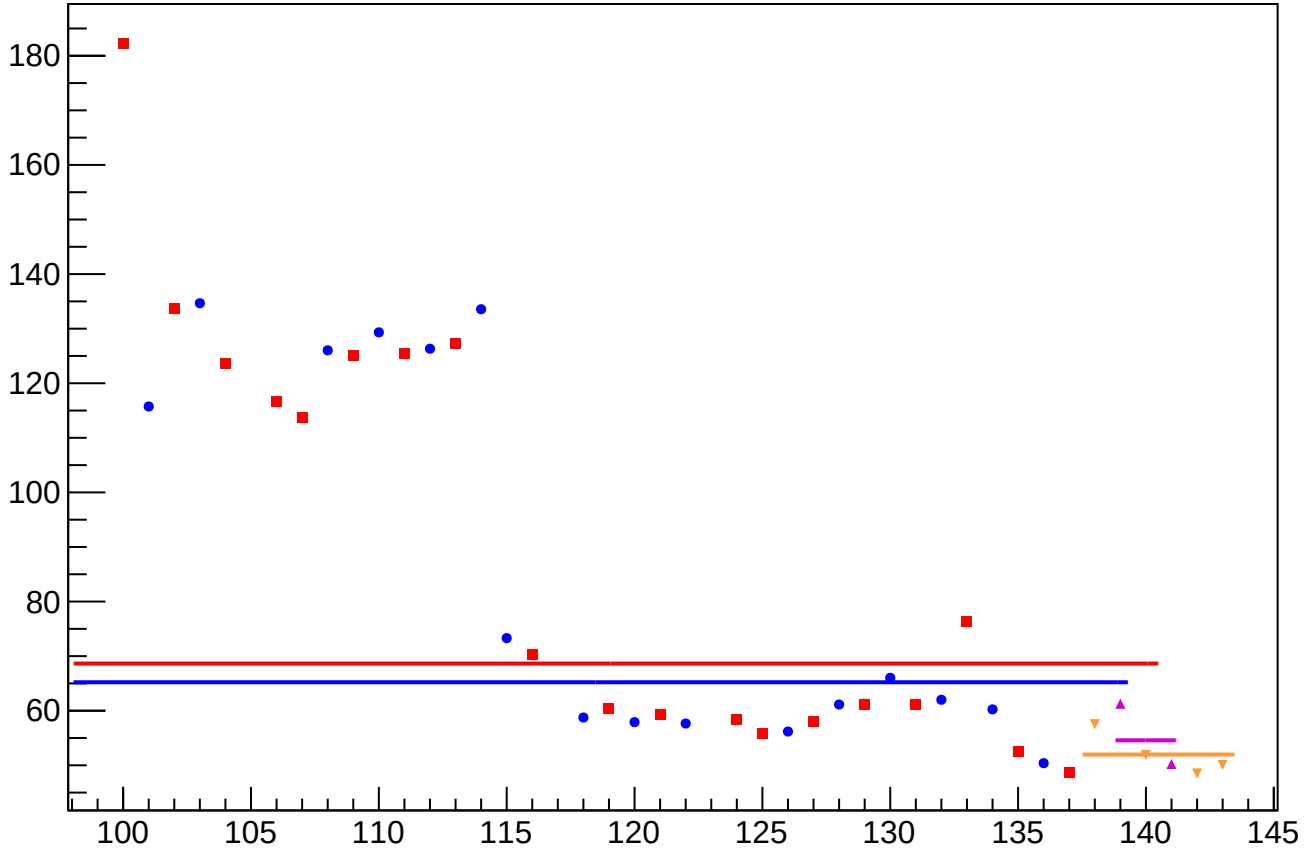
Left In: -65.256+/-41.803 χ^2/NDF:0.1/1

+ sign 64.218+/-19.793 χ^2/NDF: 17.8/19

All: 9.548+/-14.895 χ^2/NDF: 55.8/40

- sign -61.844+/-22.618 χ^2/NDF: 20.4/20

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.6/3

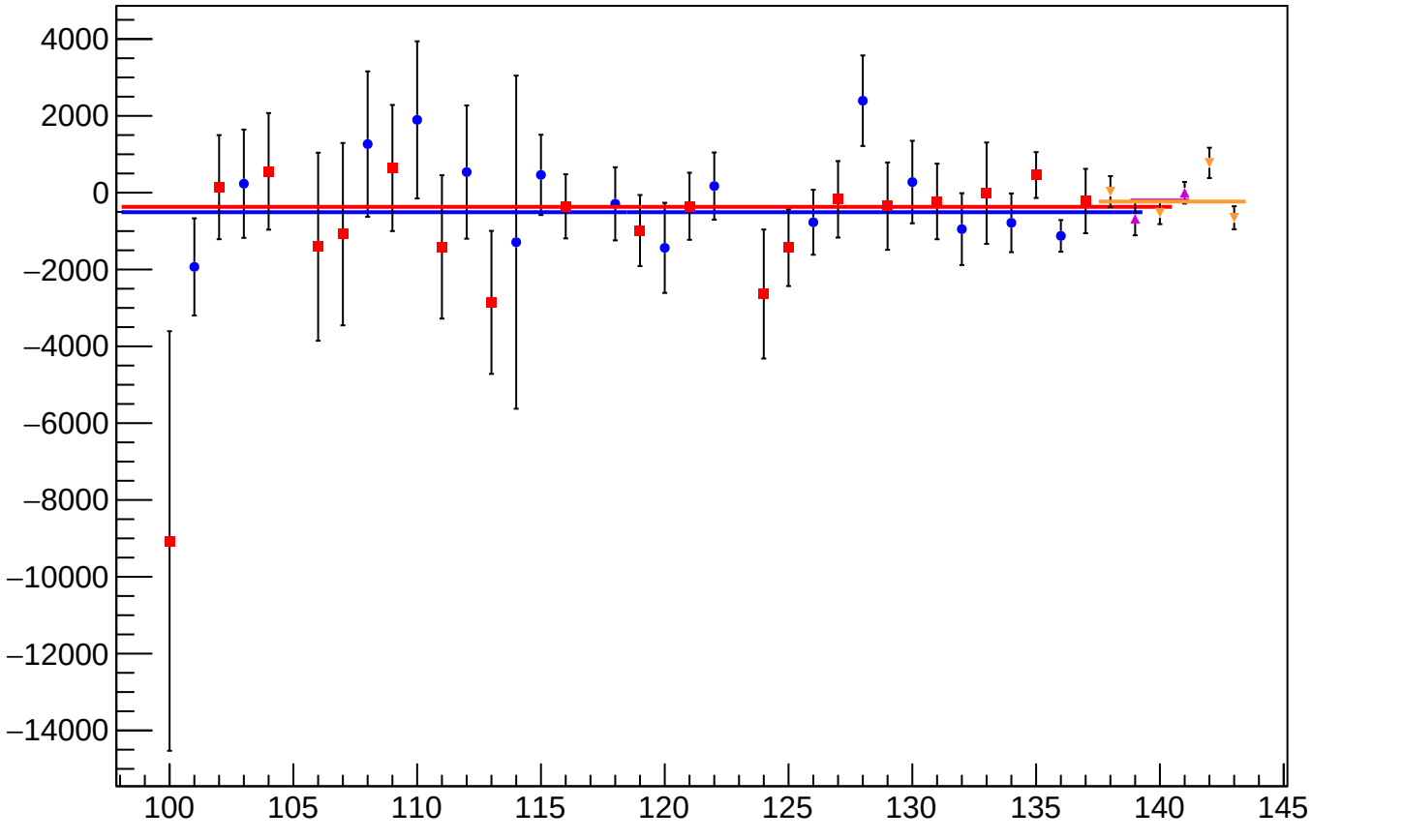
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 54.578+/-0.030 χ^2/NDF:33257.7/1

+ sign 59.775+/-0.014 χ^2/NDF: 1684311.3/19

All: 61.835+/-0.011 χ^2/NDF: 3565172.8/40

- sign 64.525+/-0.016 χ^2/NDF: 1830913.9/20



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -231.384+/-168.689 χ^2/NDF:9.9/3

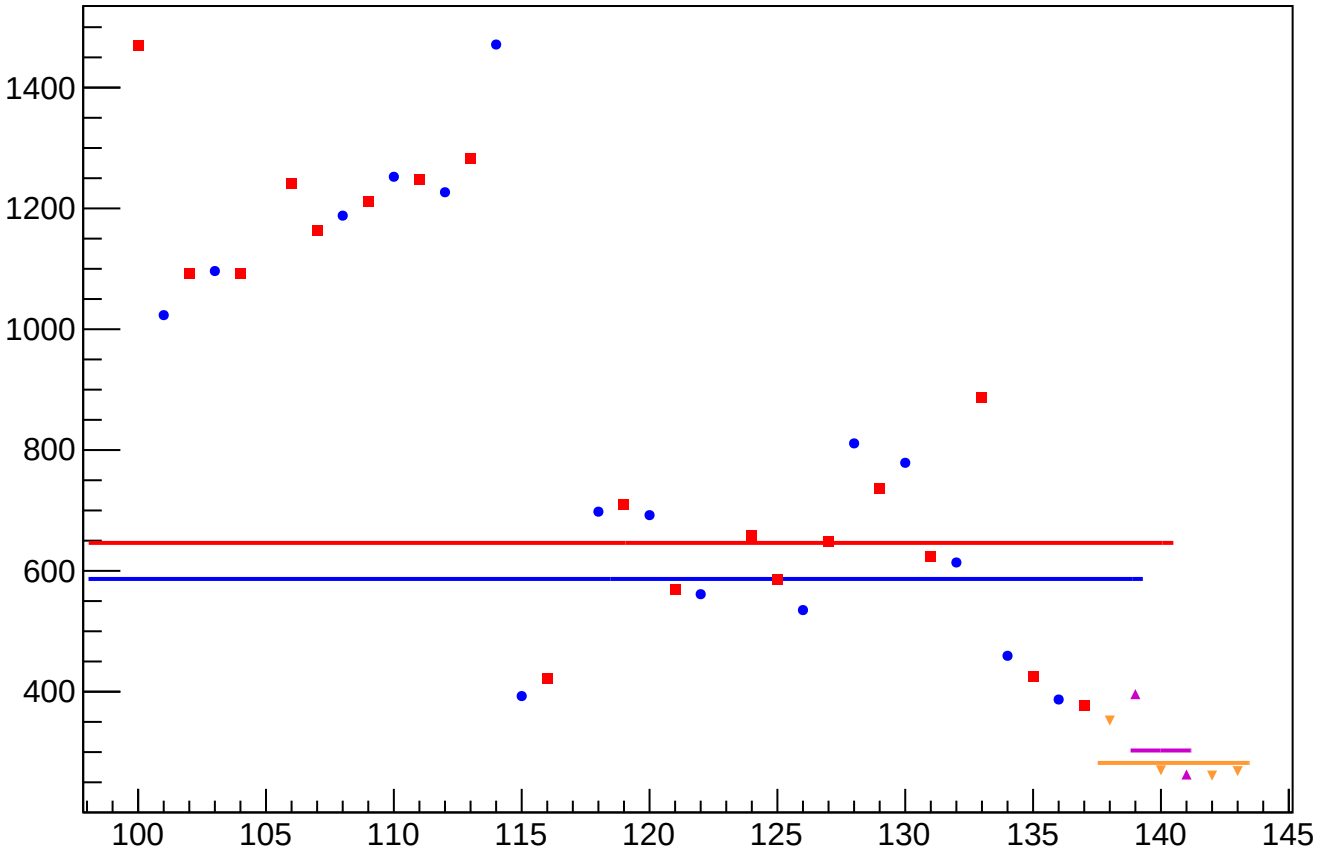
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -203.489+/-235.488 χ^2/NDF:1.7/1

+ sign -324.398+/-137.421 χ^2/NDF: 26.4/19

All: -306.846+/-107.719 χ^2/NDF: 39.7/40

- sign -278.873+/-173.479 χ^2/NDF: 13.2/20



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 282.108+/-0.119 χ^2/NDF:73339.8/3

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

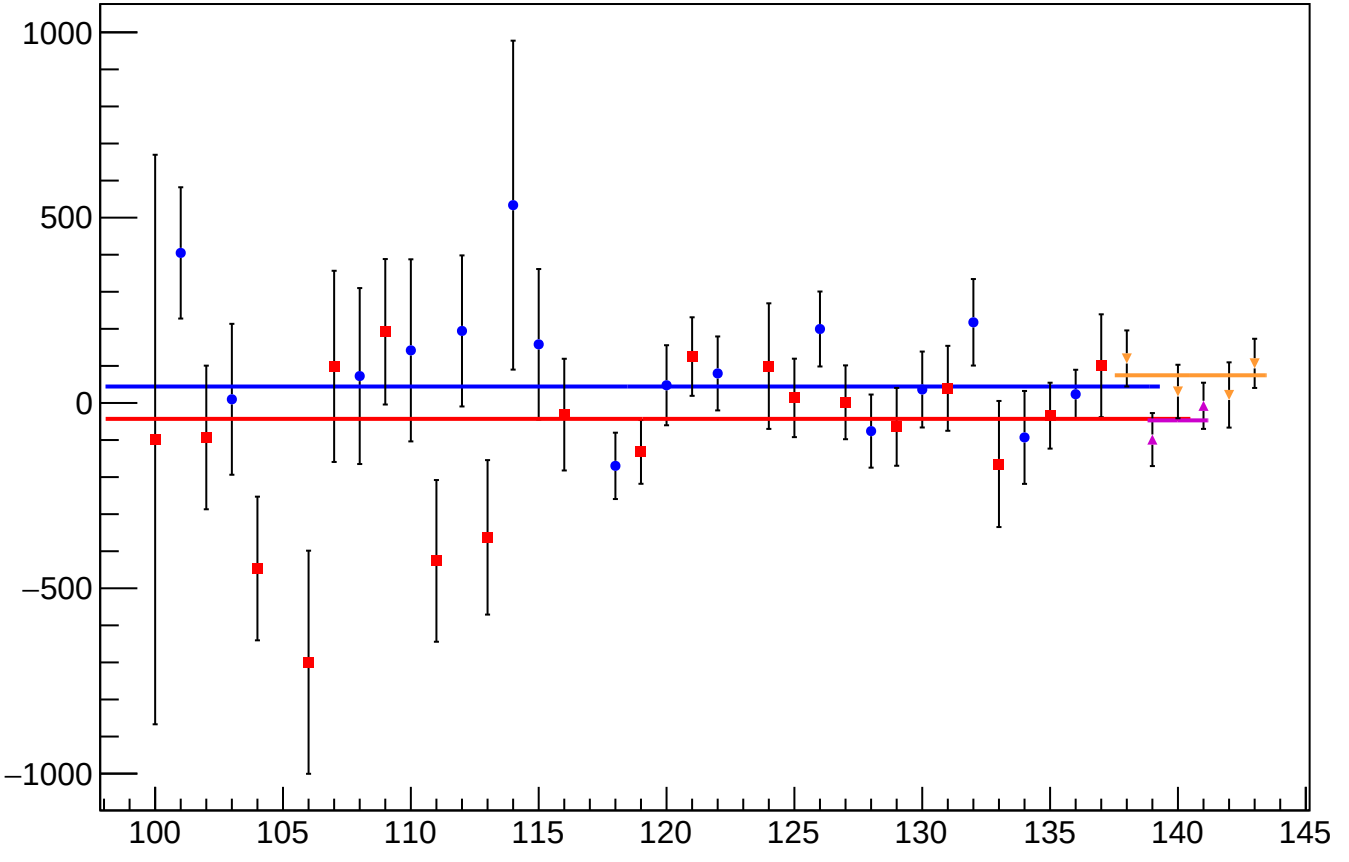
Left In: 302.662+/-0.167 χ^2/NDF:133674.8/1

+ sign 384.544+/-0.097 χ^2/NDF: 4319027.6/19

All: 413.568+/-0.076 χ^2/NDF: 8695199.4/40

- sign 459.821+/-0.123 χ^2/NDF: 4144779.5/20

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 74.688+/-37.183 χ^2/NDF:1.3/3

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

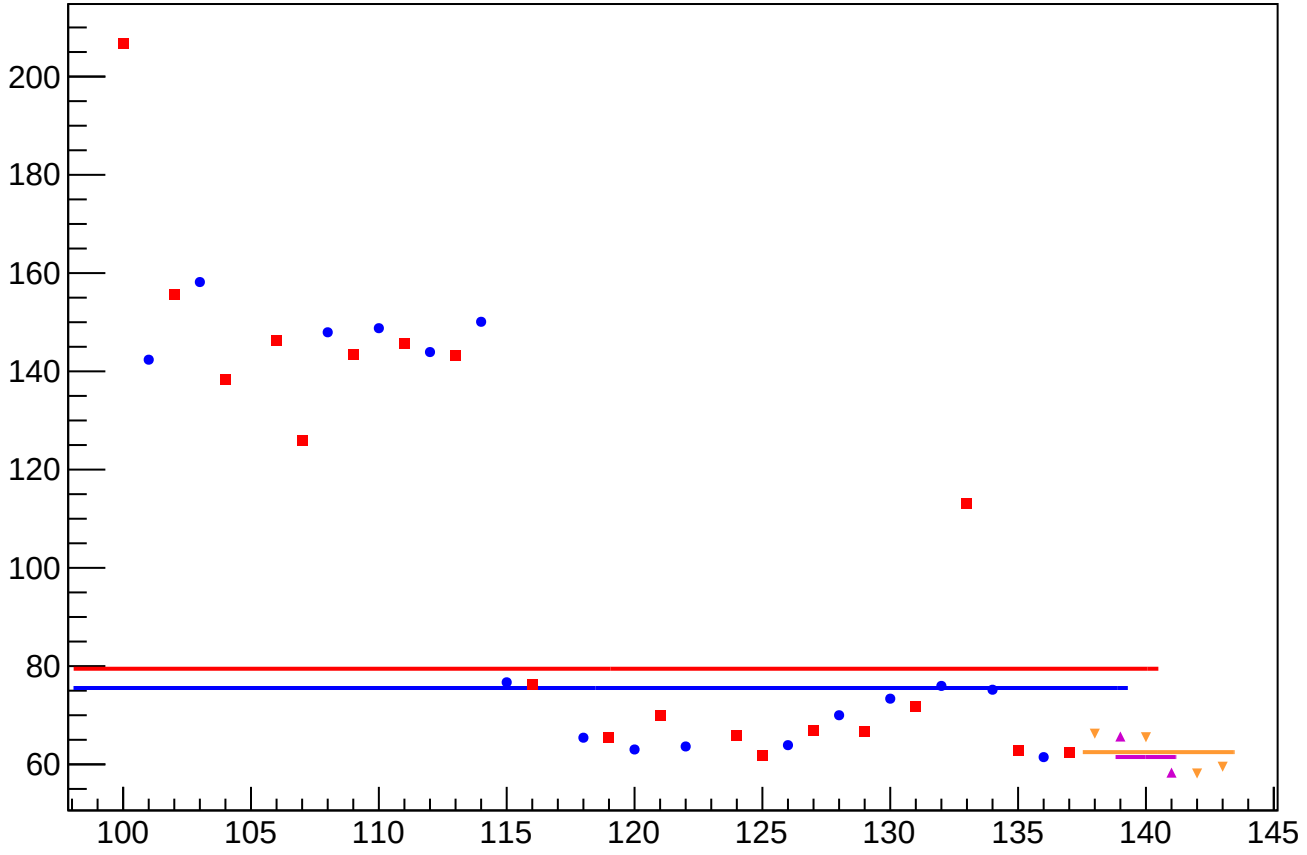
Left In: -46.943+/-46.978 χ^2/NDF:0.9/1

+ sign 56.291+/-23.305 χ^2/NDF: 21.3/19

All: 11.583+/-17.359 χ^2/NDF: 53.8/40

- sign -44.141+/-26.018 χ^2/NDF: 24.2/20

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 62.492+/-0.026 χ^2/NDF:17338.2/3

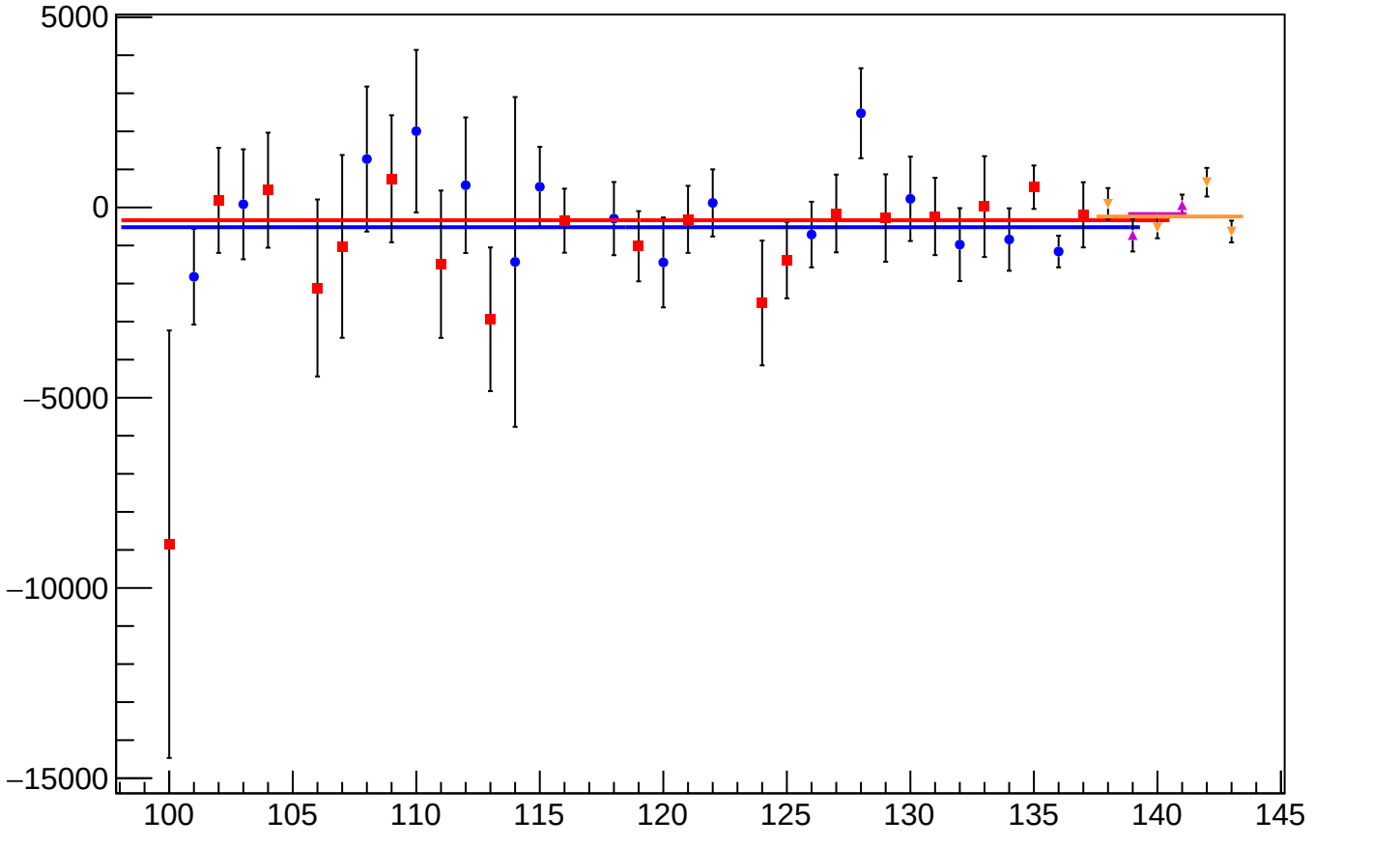
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 61.493+/-0.033 χ^2/NDF:12009.7/1

+ sign 70.417+/-0.016 χ^2/NDF: 1632527.8/19

All: 71.991+/-0.012 χ^2/NDF: 3551592.5/40

- sign 73.953+/-0.018 χ^2/NDF: 1898568.8/20



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -238.051+/-163.761 χ^2/NDF:9.3/3

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

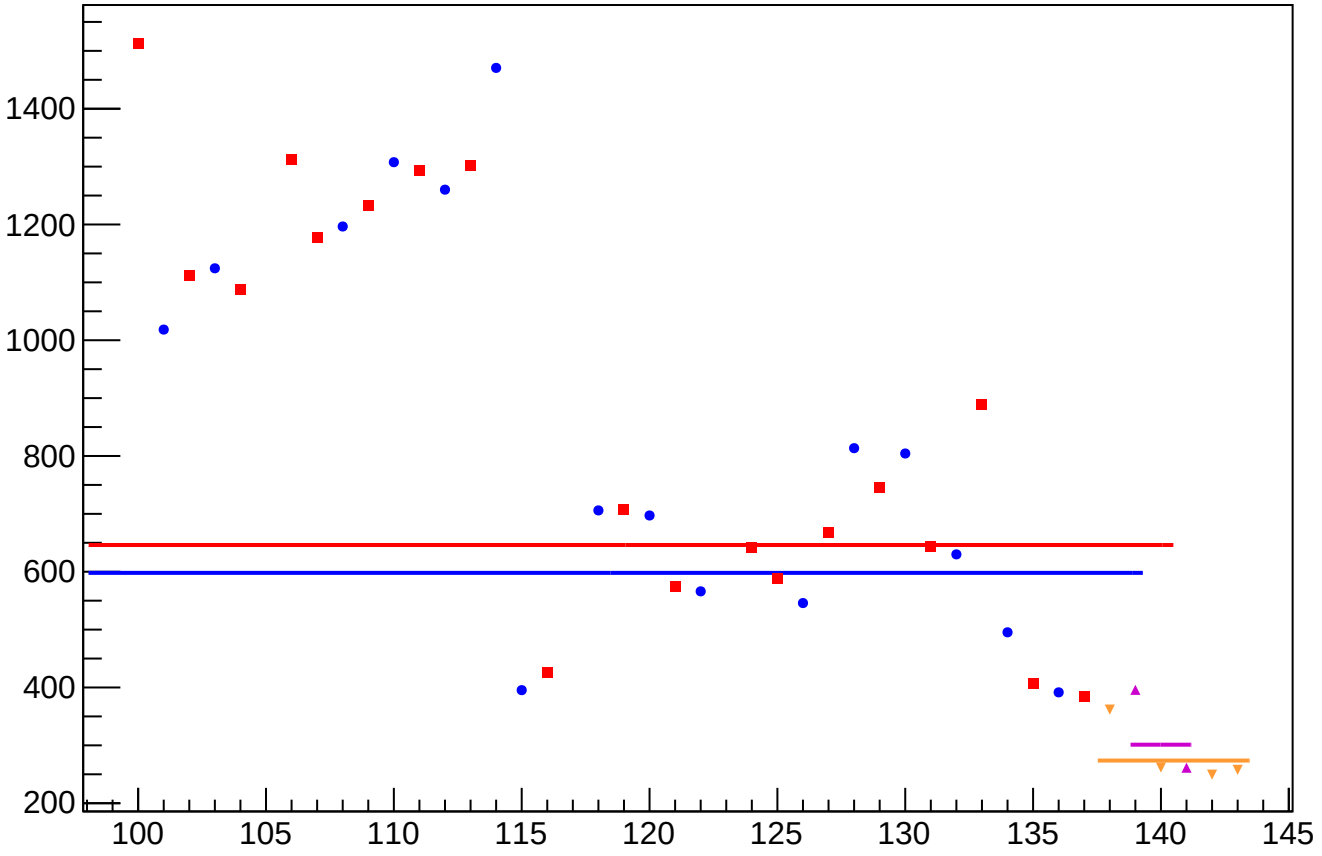
Left In: -173.451+/-234.242 χ^2/NDF:2.3/1

+ sign -326.716+/-135.505 χ^2/NDF: 26.0/19

All: -296.659+/-106.678 χ^2/NDF: 40.6/40

- sign -247.663+/-173.005 χ^2/NDF: 14.5/20

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 273.738+/-0.116 χ^2/NDF:108698.6/3

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

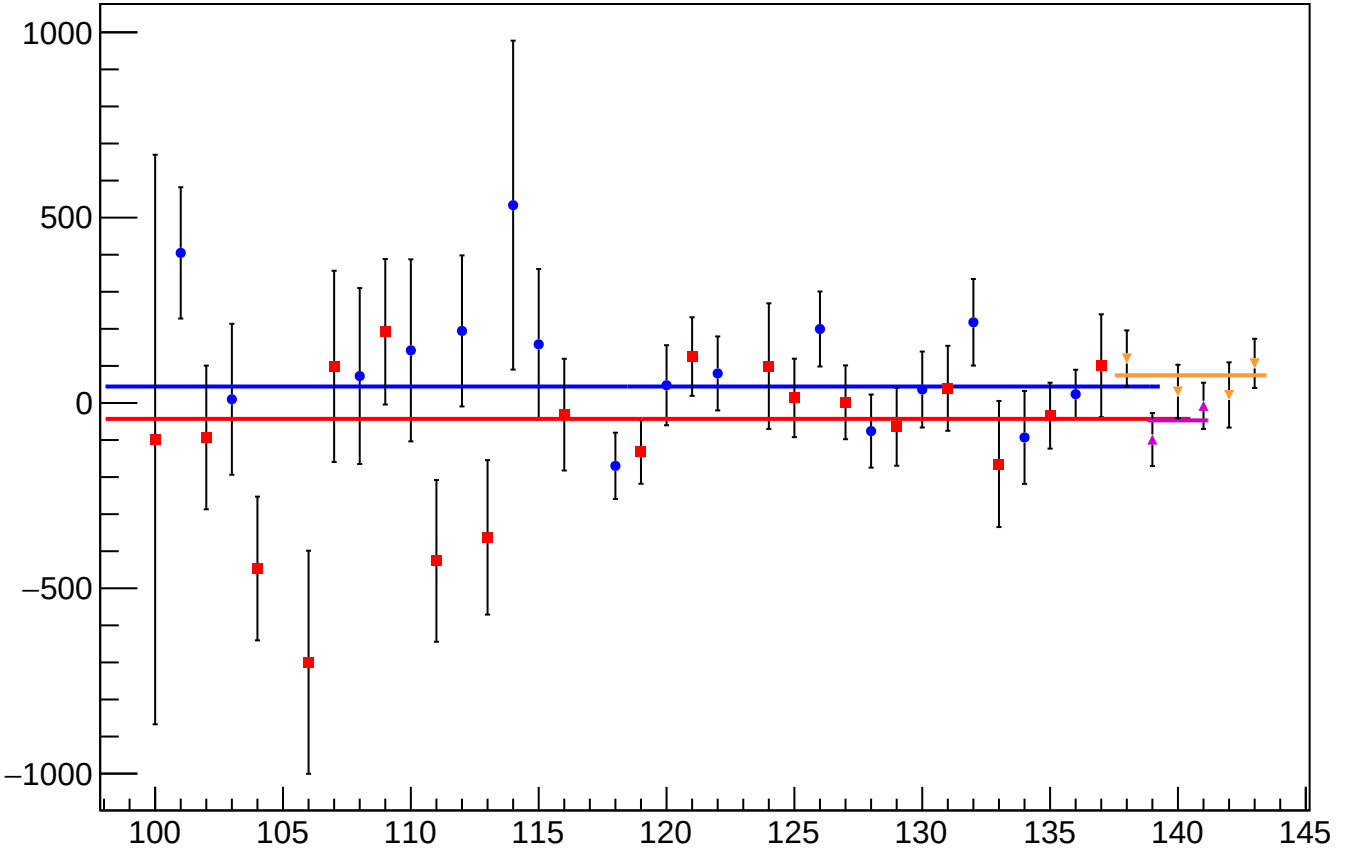
Left In: 301.148+/-0.166 χ^2/NDF:137337.1/1

\+ sign 375.995+/-0.096 χ^2/NDF: 4629726.7/19

All: 407.165+/-0.075 χ^2/NDF: 9223193.4/40

\- sign 457.973+/-0.122 χ^2/NDF: 4315149.5/20

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 74.687+/-37.183 χ^2/NDF:1.3/3

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

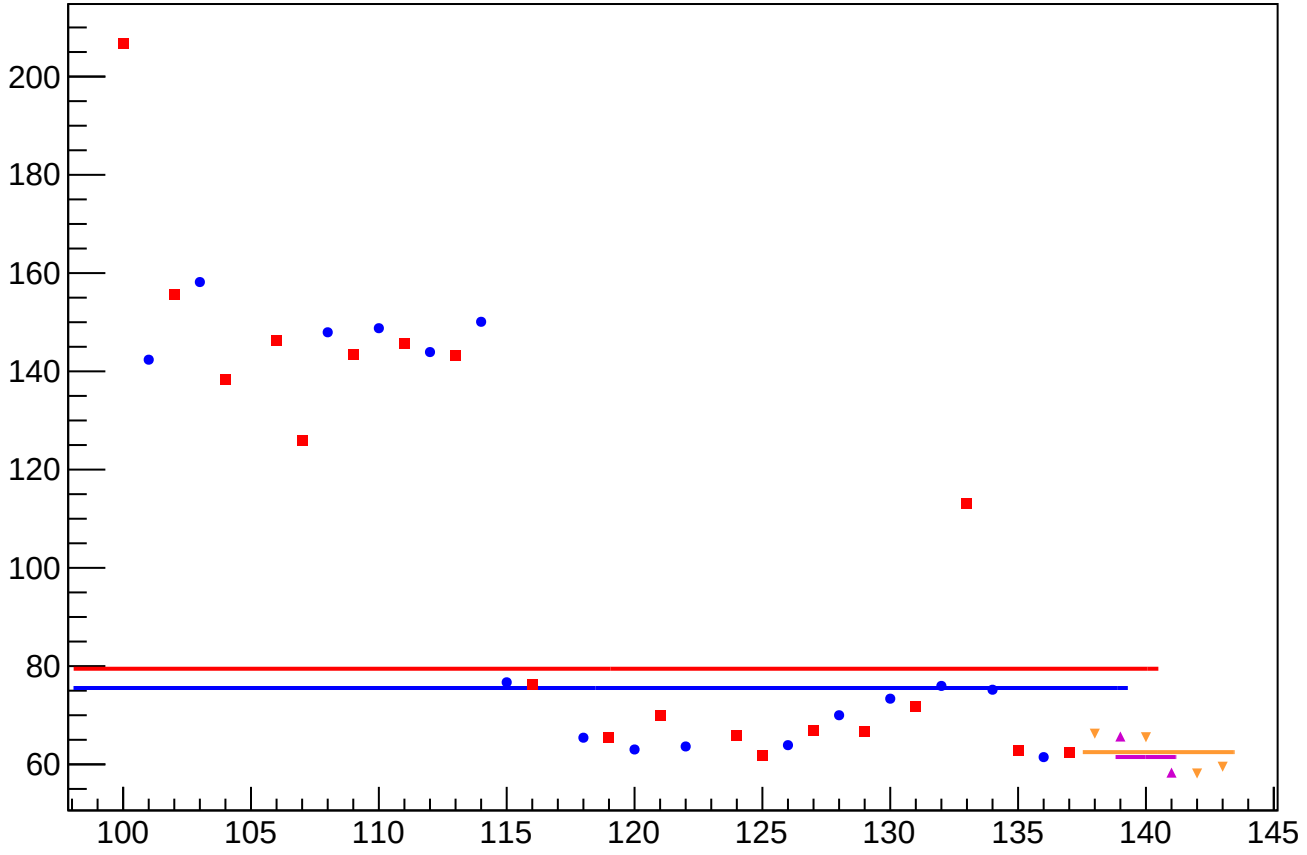
Left In: -46.943+/-46.978 χ^2/NDF:0.9/1

+ sign 56.291+/-23.305 χ^2/NDF: 21.3/19

All: 11.583+/-17.359 χ^2/NDF: 53.8/40

- sign -44.140+/-26.018 χ^2/NDF: 24.2/20

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 62.492+/-0.026 χ^2/NDF:17337.7/3

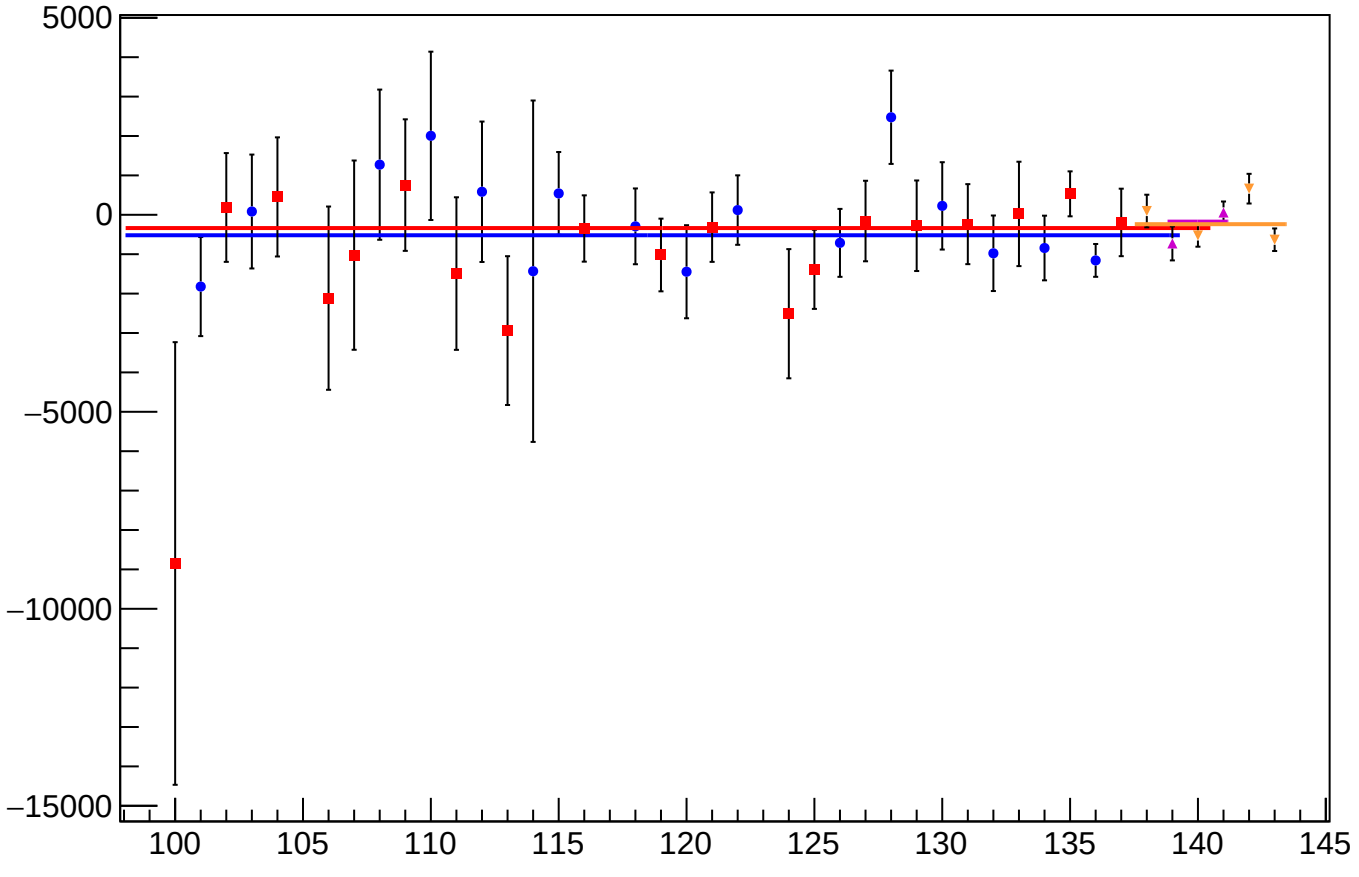
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.494+/-0.033 χ^2/NDF:12009.8/1

+ sign 70.417+/-0.016 χ^2/NDF: 1632504.9/19

All: 71.991+/-0.012 χ^2/NDF: 3551553.1/40

- sign 73.953+/-0.018 χ^2/NDF: 1898551.6/20



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -238.052+/-163.761 χ^2/NDF:9.3/3

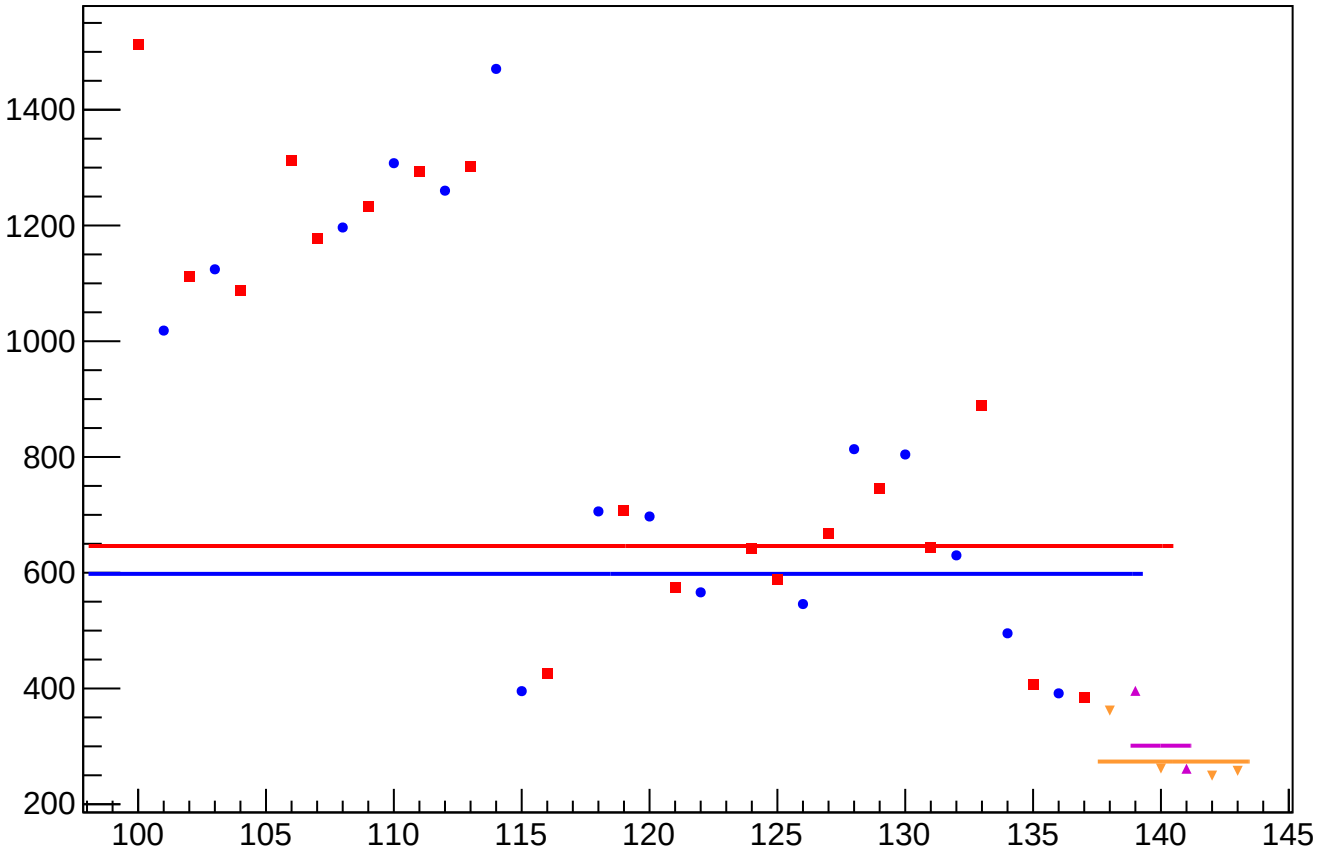
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -173.453+/-234.241 χ^2/NDF:2.3/1

+ sign -326.716+/-135.505 χ^2/NDF: 26.0/19

All: -296.659+/-106.678 χ^2/NDF: 40.6/40

- sign -247.664+/-173.004 χ^2/NDF: 14.5/20



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 273.738+/-0.116 χ^2/NDF:108695.6/3

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

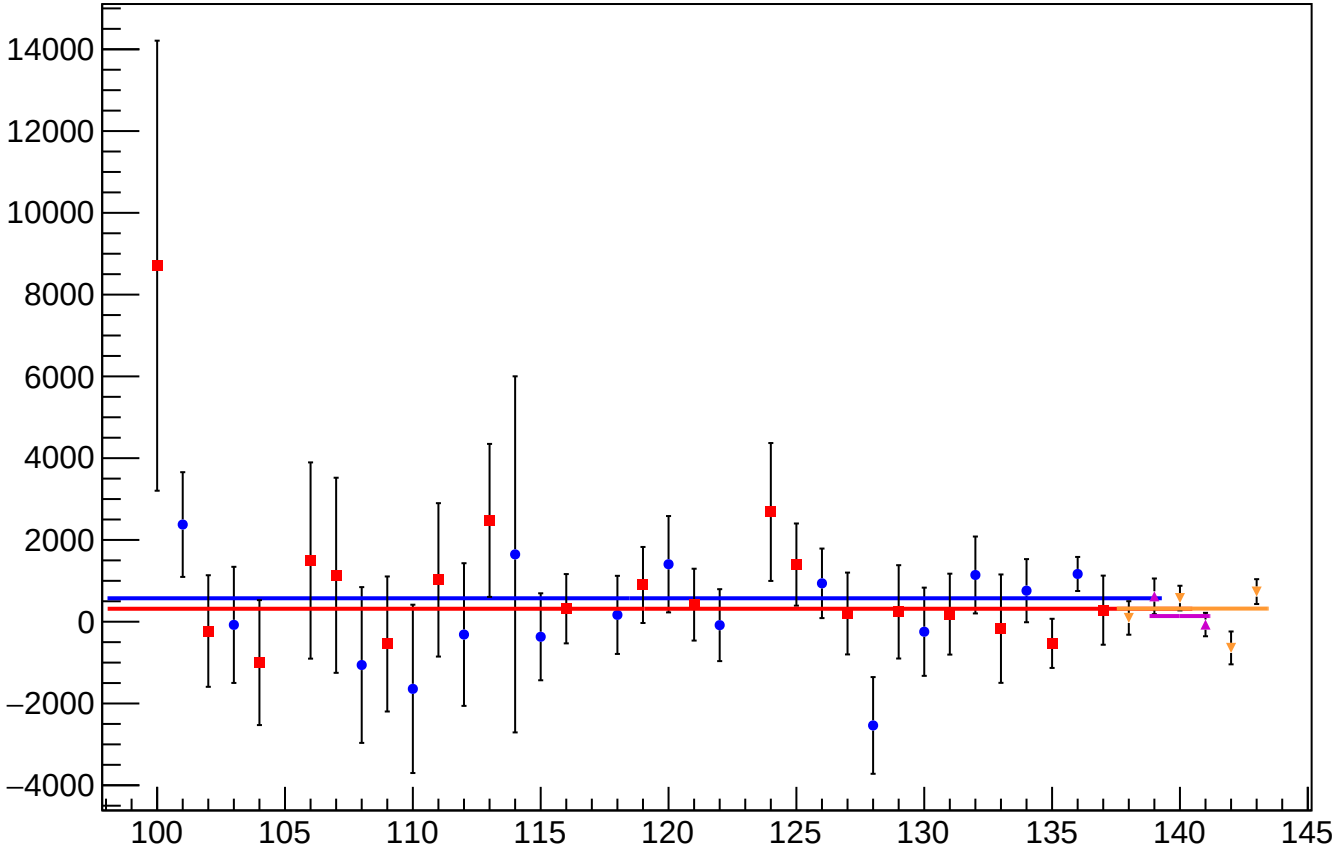
Left In: 301.147+/-0.166 χ^2/NDF:137334.0/1

+ sign 375.995+/-0.096 χ^2/NDF: 4629708.9/19

All: 407.164+/-0.075 χ^2/NDF: 9223162.3/40

- sign 457.972+/-0.122 χ^2/NDF: 4315137.6/20

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 321.088+/-171.573 χ^2/NDF:8.6/3

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

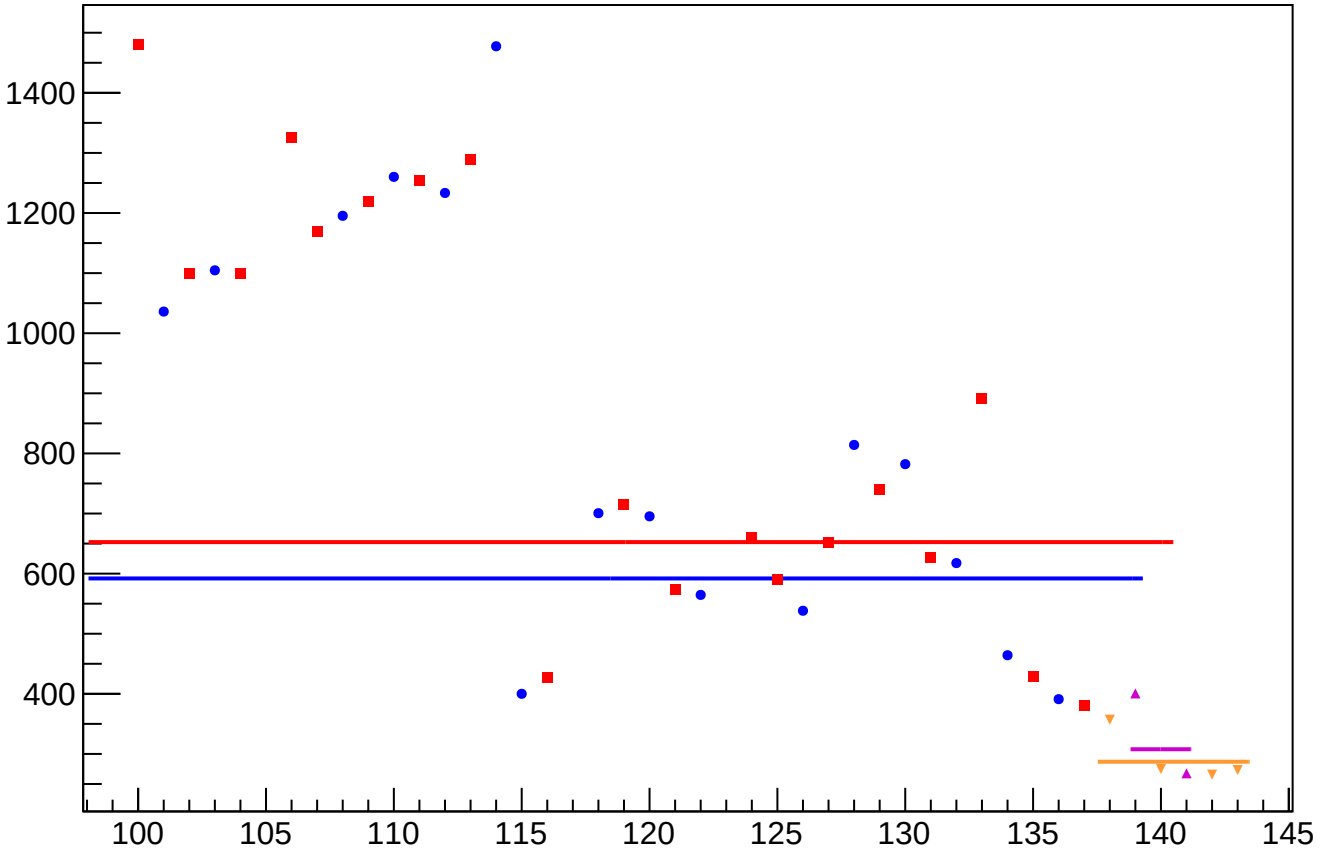
Left In: 138.389+/-239.340 χ^2/NDF:1.8/1

+ sign 406.925+/-139.362 χ^2/NDF: 25.9/19

All: 334.983+/-109.147 χ^2/NDF: 39.7/40

- sign 220.842+/-175.540 χ^2/NDF: 13.0/20

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 287.005+/-0.121 χ^2/NDF:71302.5/3

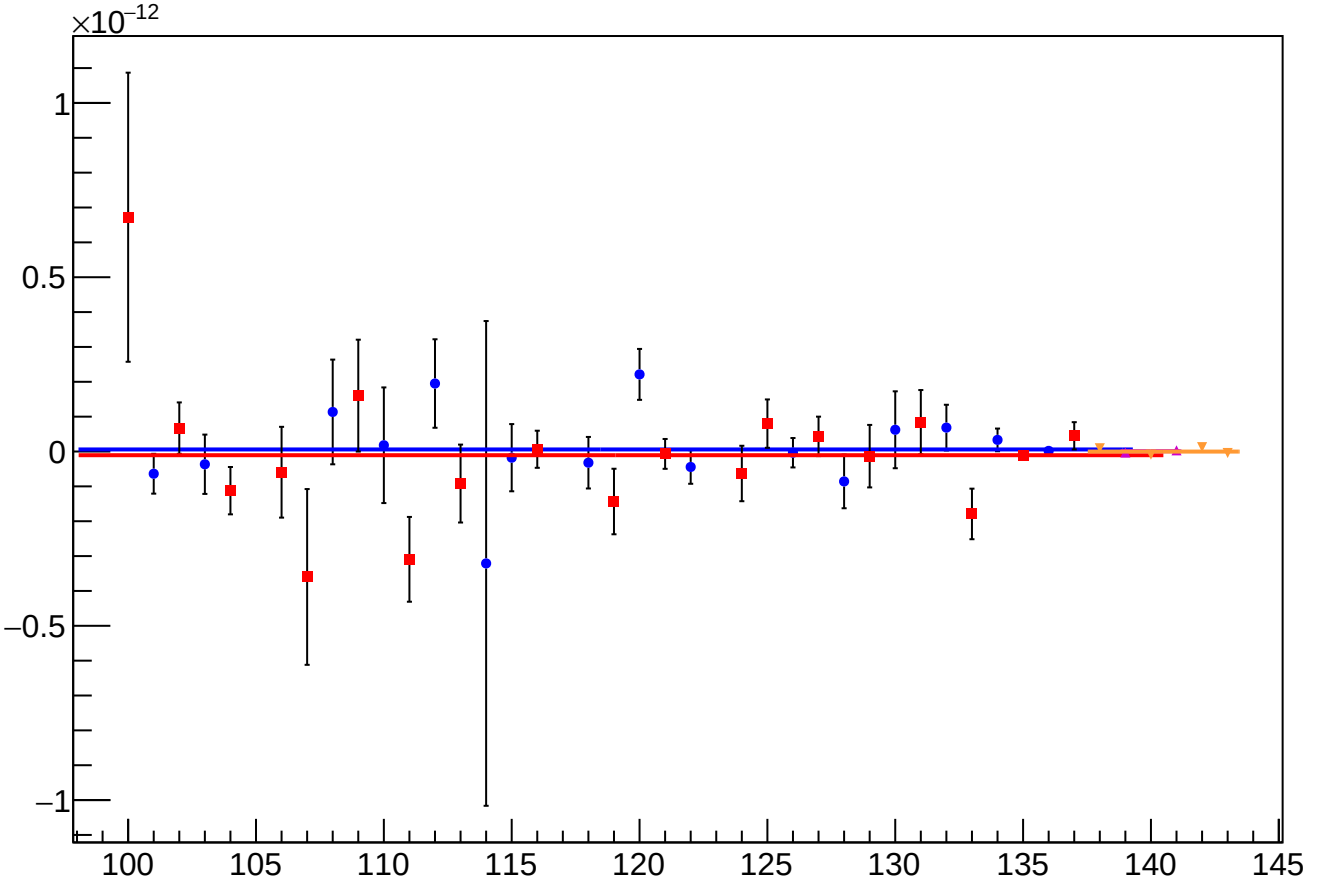
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 307.808+/-0.169 χ^2/NDF:129881.2/1

+ sign 390.766+/-0.099 χ^2/NDF: 4256916.9/19

All: 420.263+/-0.077 χ^2/NDF: 8624856.1/40

- sign 467.062+/-0.124 χ^2/NDF: 4136189.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/3

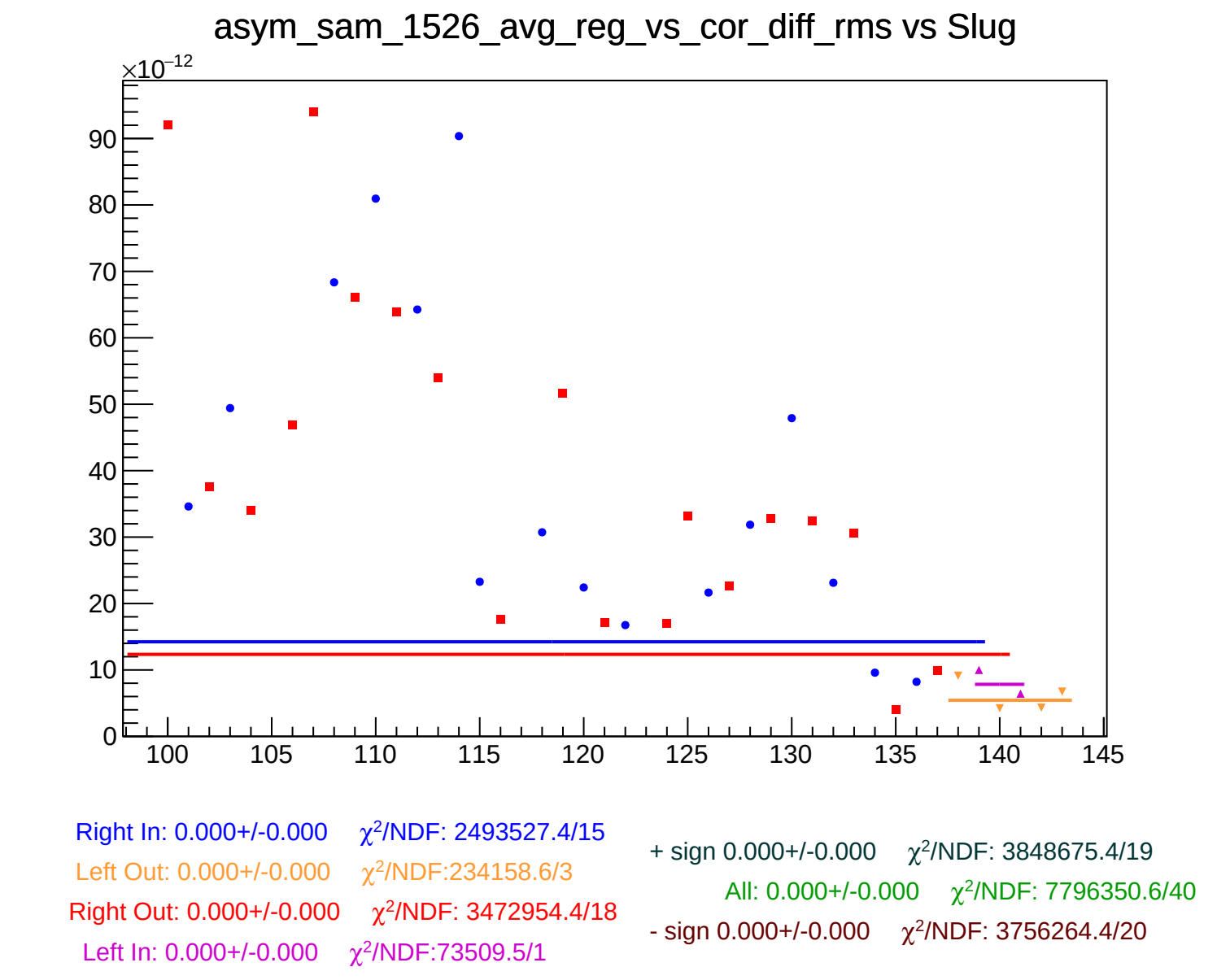
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/19

All: -0.000+/-0.000 χ^2/NDF: 52.3/40

- sign -0.000+/-0.000 χ^2/NDF: 30.3/20


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug
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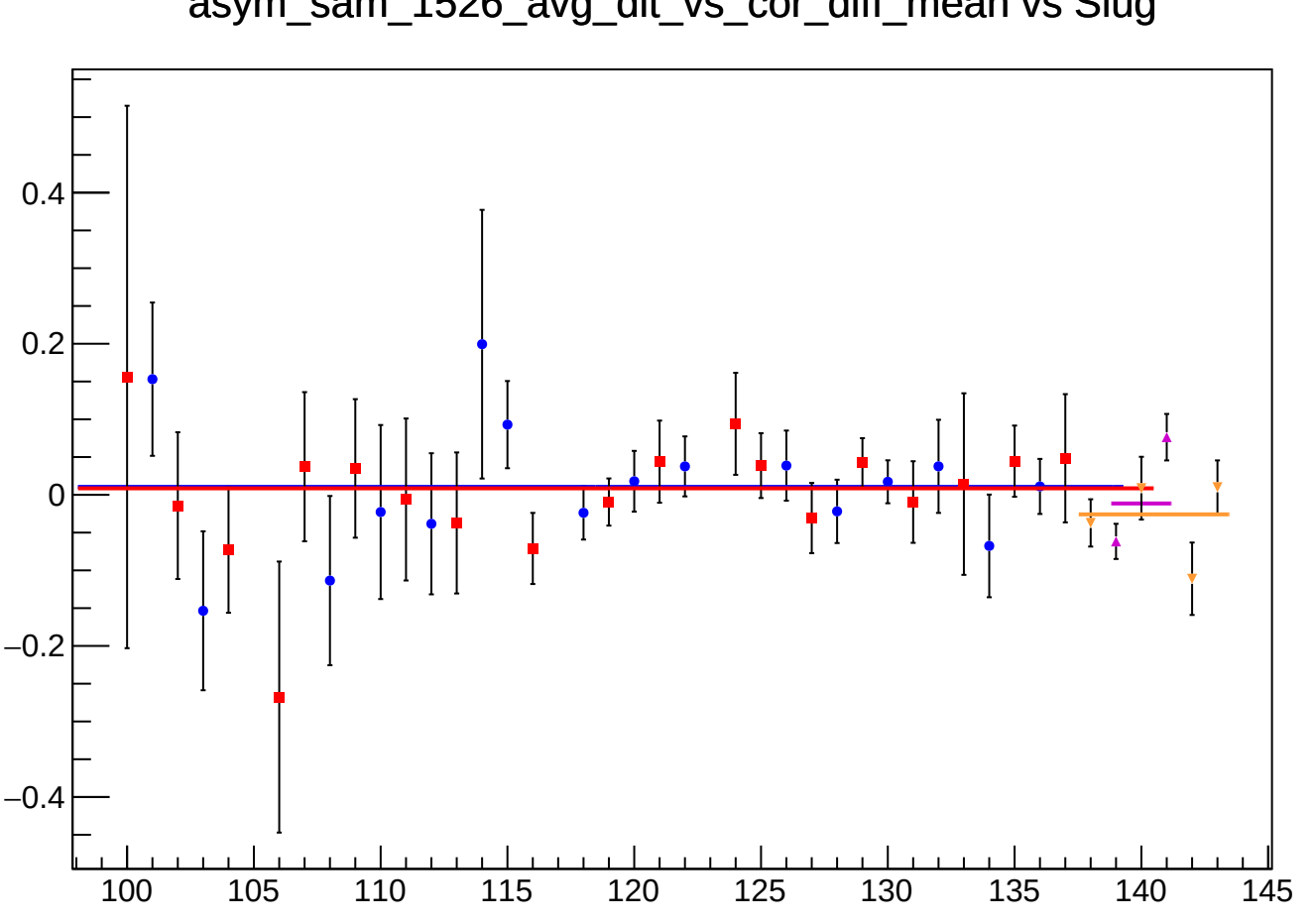
145
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:234158.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:73509.5/1
+ sign 0.000+/-0.000 χ²/NDF: 3848675.4/19
All: 0.000+/-0.000 χ²/NDF: 7796350.6/40
- sign 0.000+/-0.000 χ²/NDF: 3756264.4/20



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

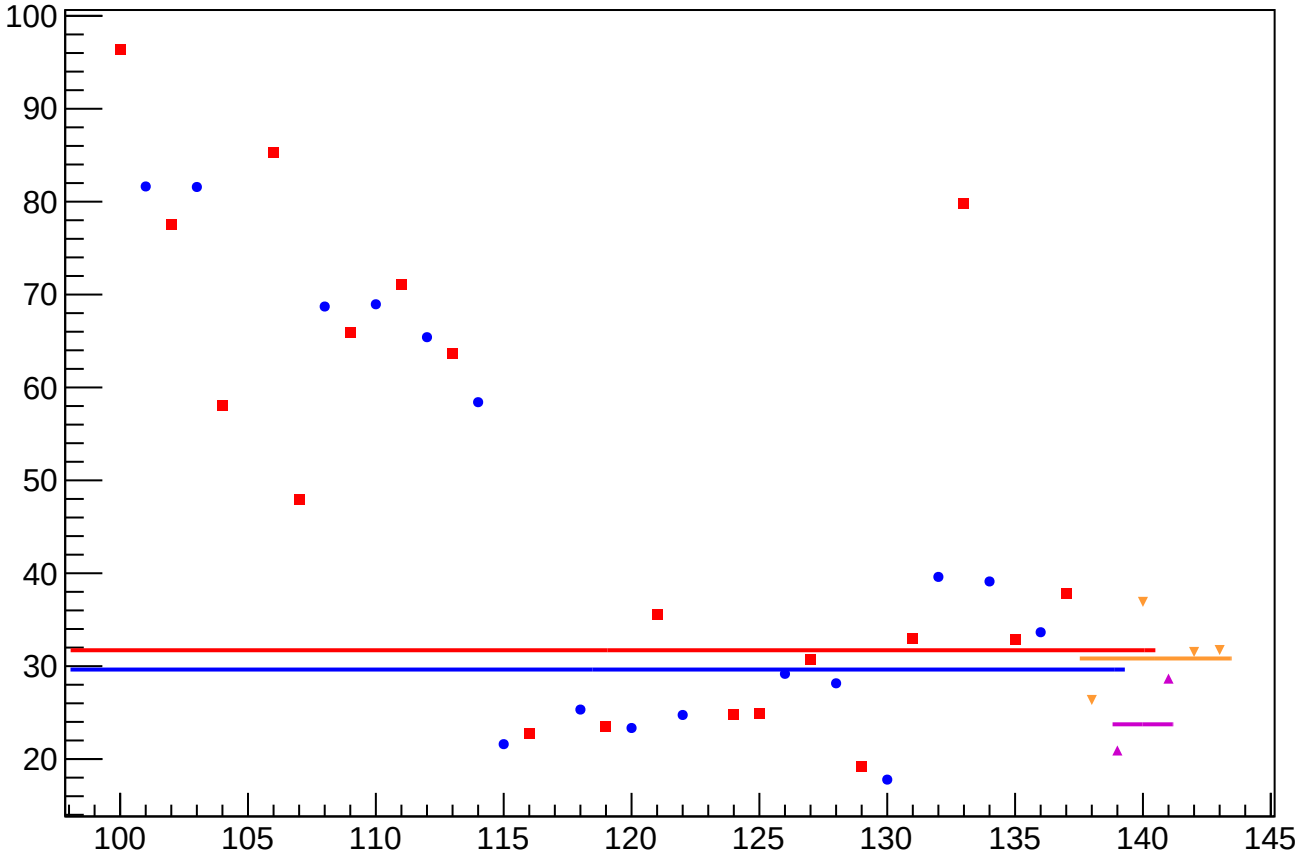
Left In: -0.011+/-0.019 χ^2/NDF:12.8/1

+ sign -0.001+/-0.010 χ^2/NDF: 20.7/19

All: 0.001+/-0.008 χ^2/NDF: 46.7/40

- sign 0.002+/-0.011 χ^2/NDF: 26.0/20

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: 30.826+/-0.013 χ^2/NDF:85505.9/3

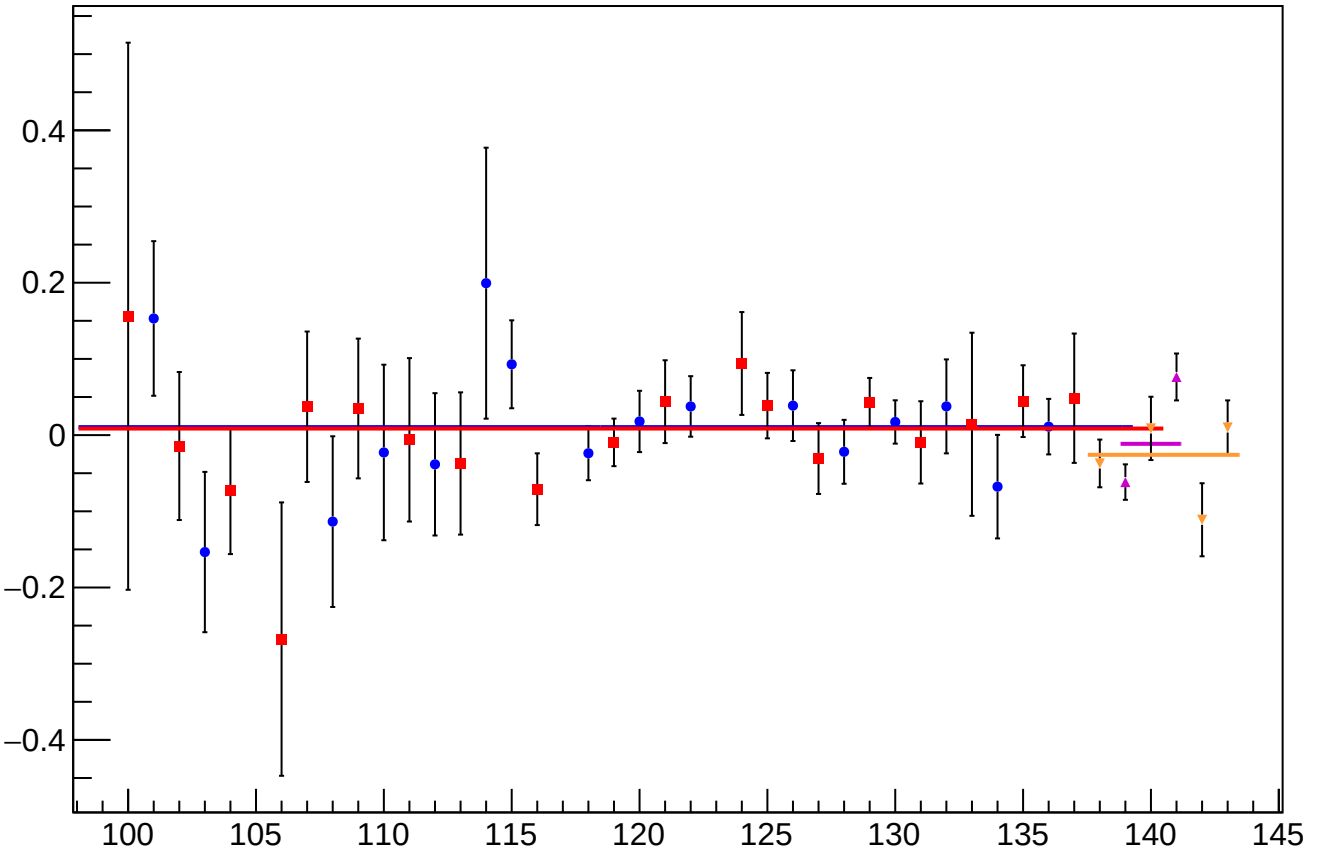
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 23.740+/-0.013 χ^2/NDF:80363.9/1

+ sign 30.002+/-0.007 χ^2/NDF: 2539524.8/19

All: 29.529+/-0.005 χ^2/NDF: 5524279.9/40

- sign 29.025+/-0.008 χ^2/NDF: 2976270.9/20



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

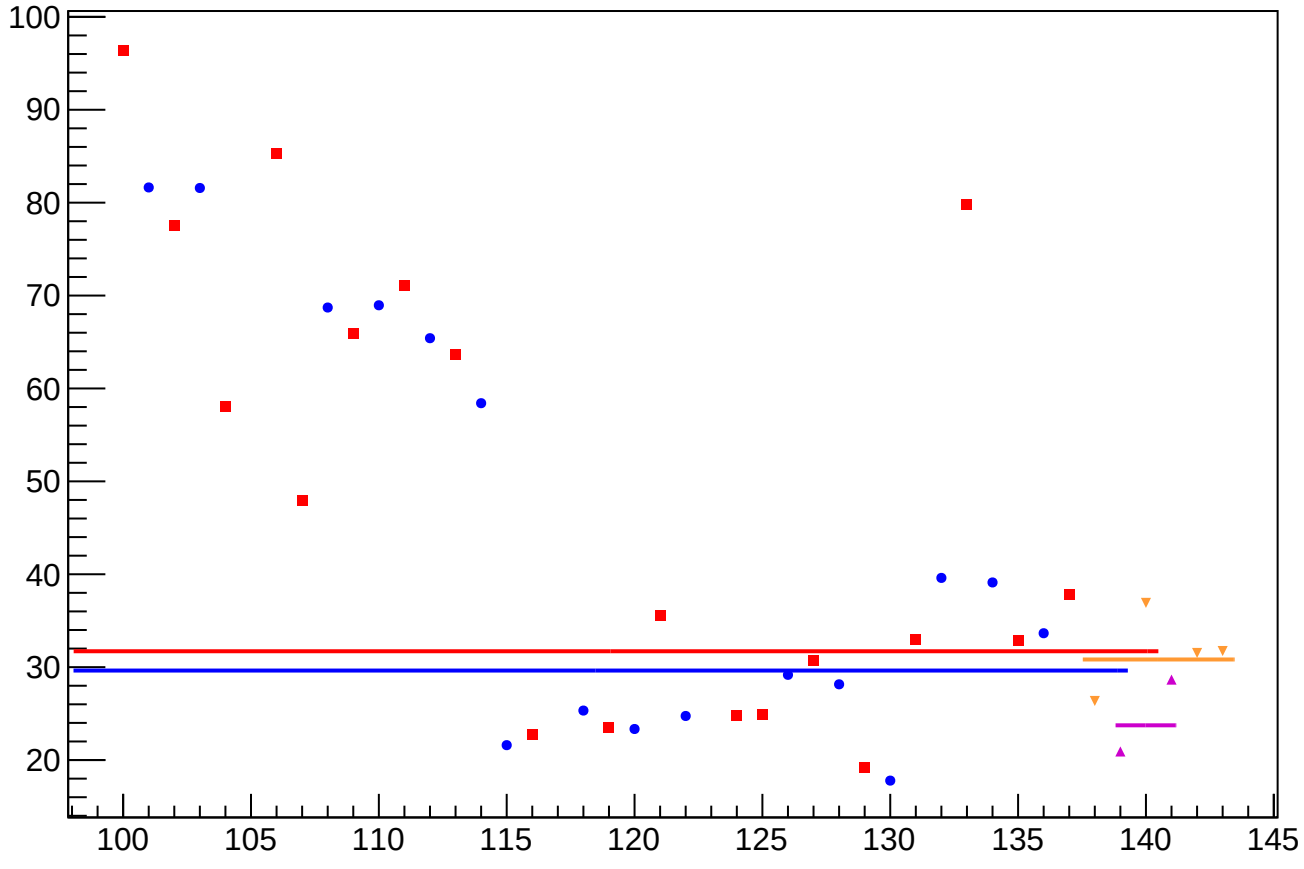
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.011+/-0.019 χ^2/NDF:12.8/1

+ sign -0.001+/-0.010 χ^2/NDF: 20.7/19

All: 0.001+/-0.008 χ^2/NDF: 46.7/40

- sign 0.002+/-0.011 χ^2/NDF: 26.0/20



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.826+/-0.013 χ^2/NDF:85505.9/3

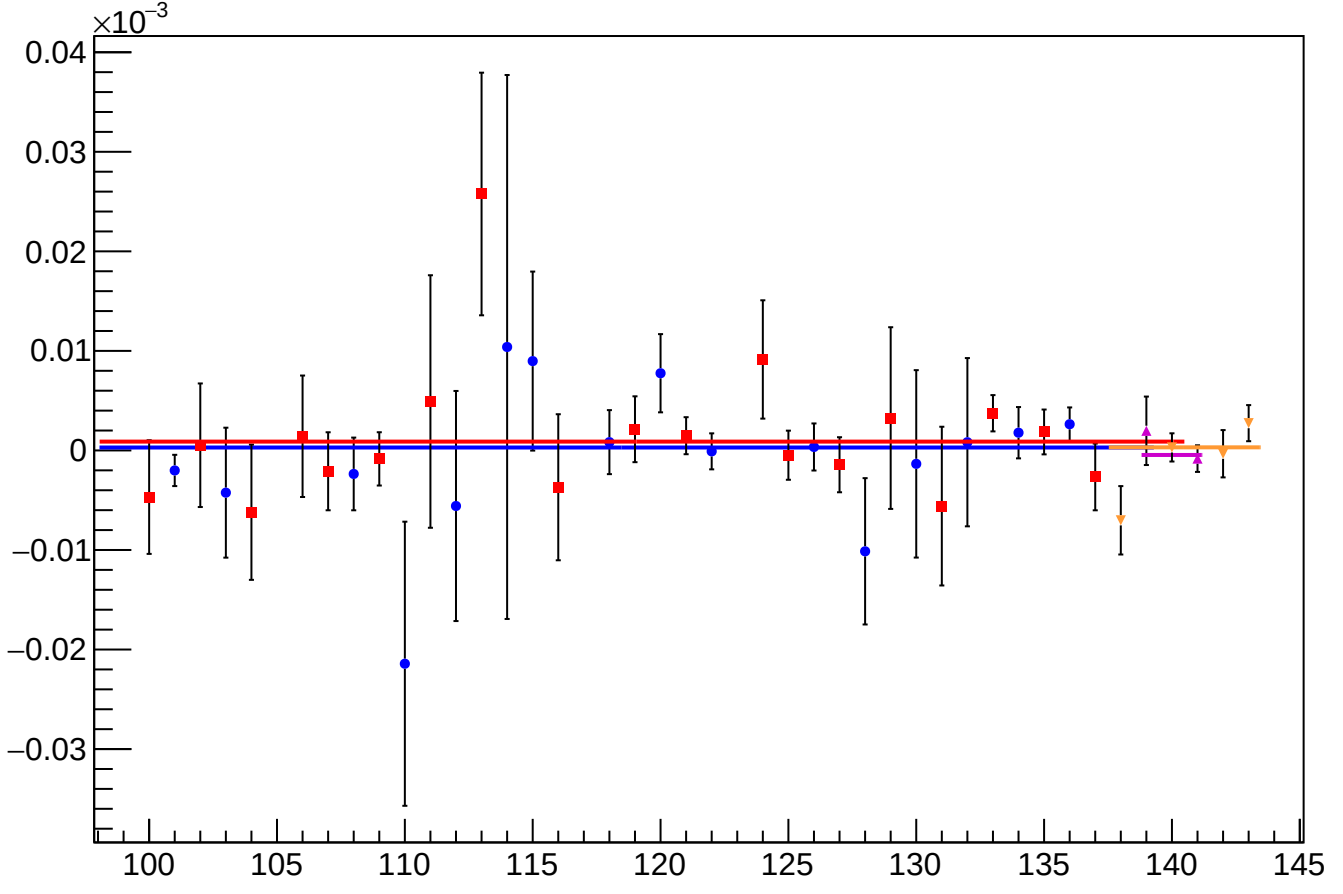
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 23.740+/-0.013 χ^2/NDF:80363.9/1

+ sign 30.002+/-0.007 χ^2/NDF: 2539524.8/19

All: 29.529+/-0.005 χ^2/NDF: 5524279.9/40

- sign 29.025+/-0.008 χ^2/NDF: 2976270.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/3

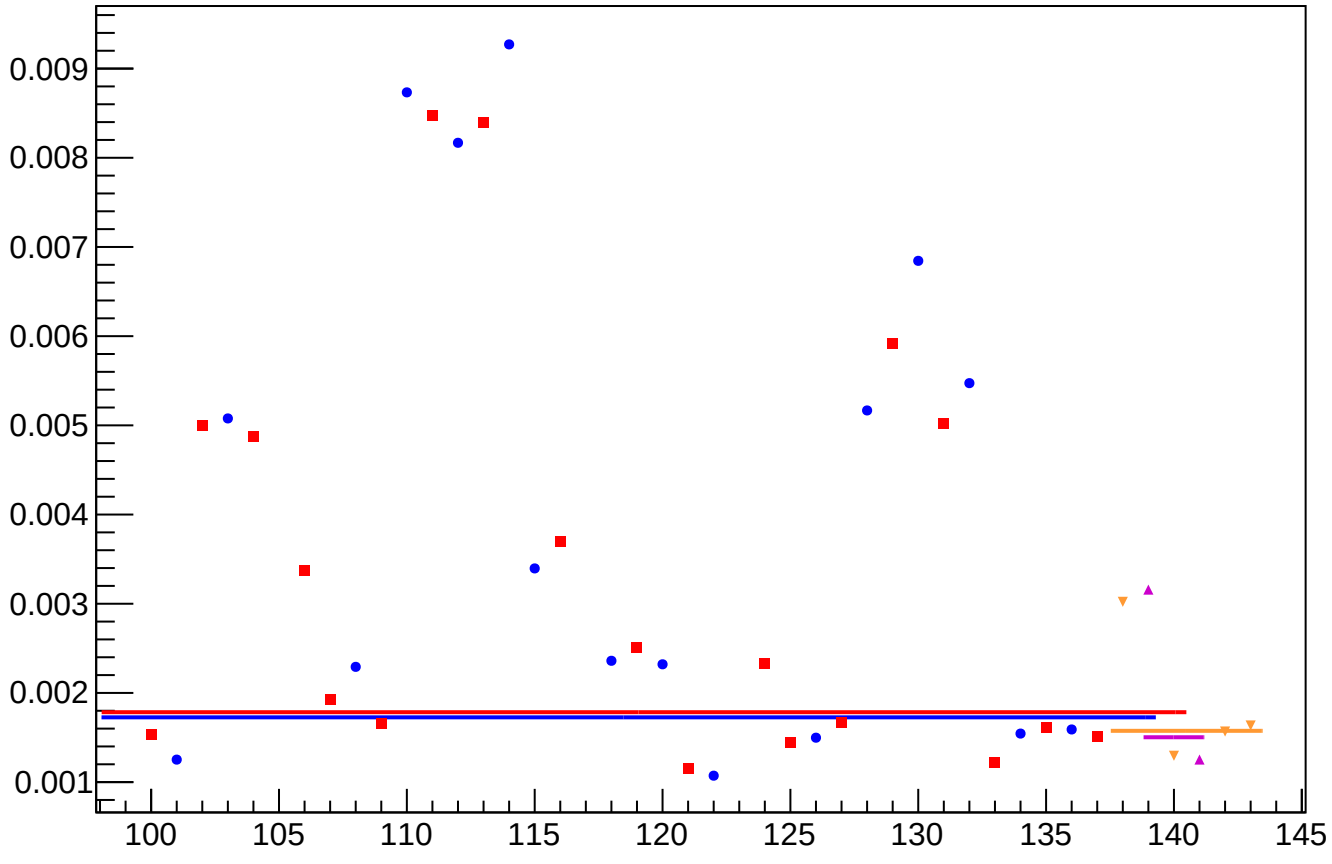
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/19

All: 0.000+/-0.000 χ^2/NDF: 38.1/40

- sign 0.000+/-0.000 χ^2/NDF: 16.8/20



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:434602.2/3

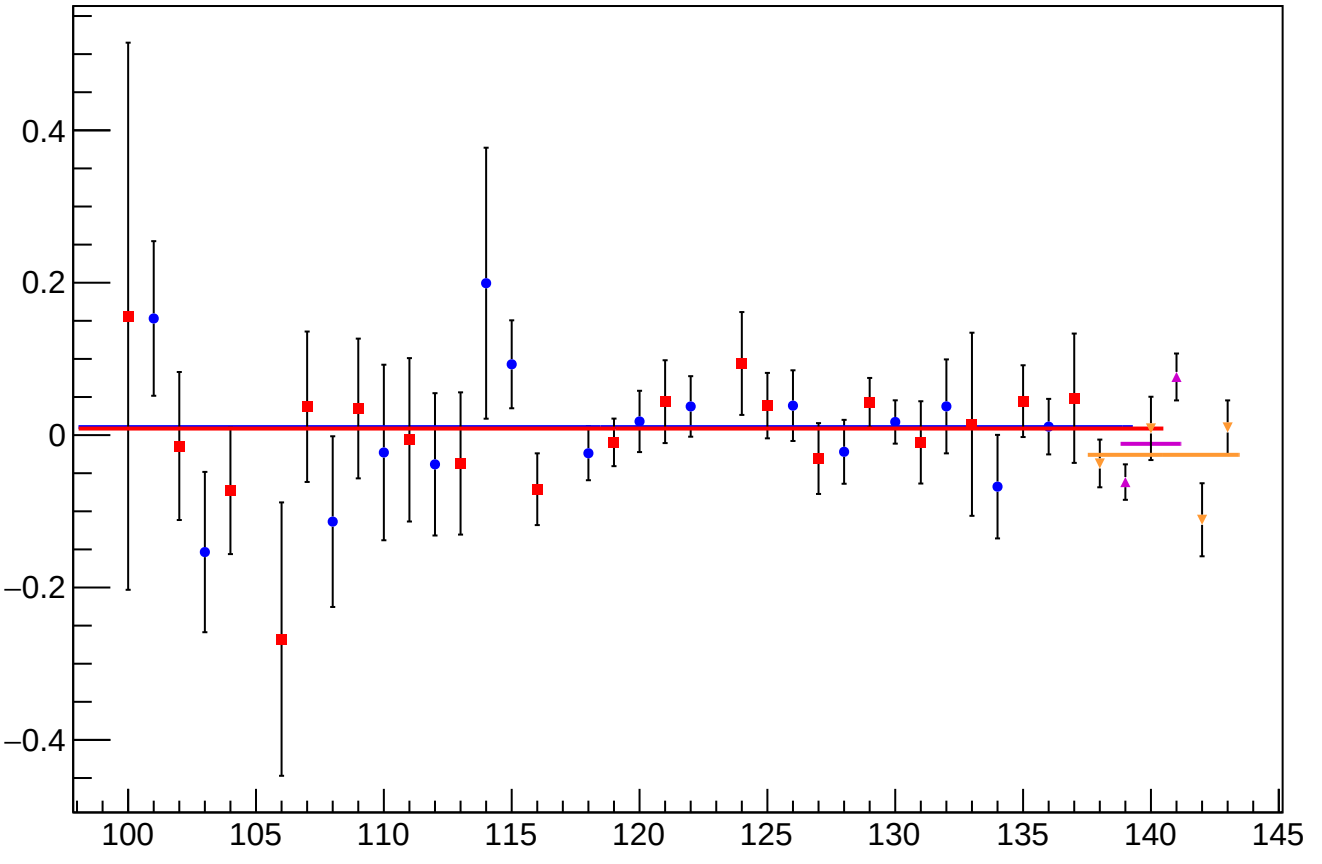
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:533502.2/1

+ sign 0.002+/-0.000 χ^2/NDF: 4396903.3/19

All: 0.002+/-0.000 χ^2/NDF: 8725881.4/40

- sign 0.002+/-0.000 χ^2/NDF: 4325559.6/20



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

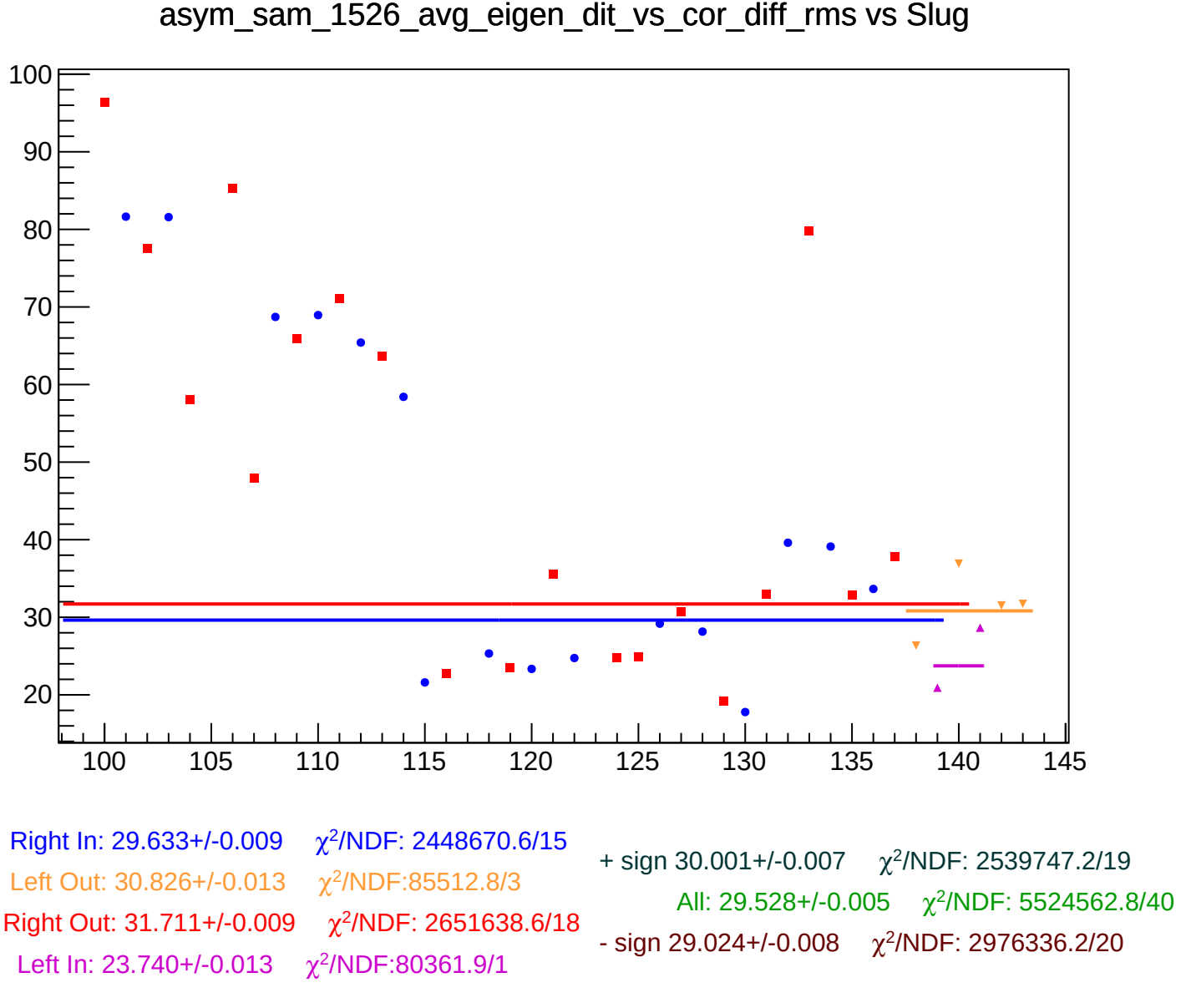
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.011+/-0.019 χ^2/NDF:12.8/1

+ sign -0.001+/-0.010 χ^2/NDF: 20.7/19

All: 0.001+/-0.008 χ^2/NDF: 46.8/40

- sign 0.002+/-0.011 χ^2/NDF: 26.0/20


asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug
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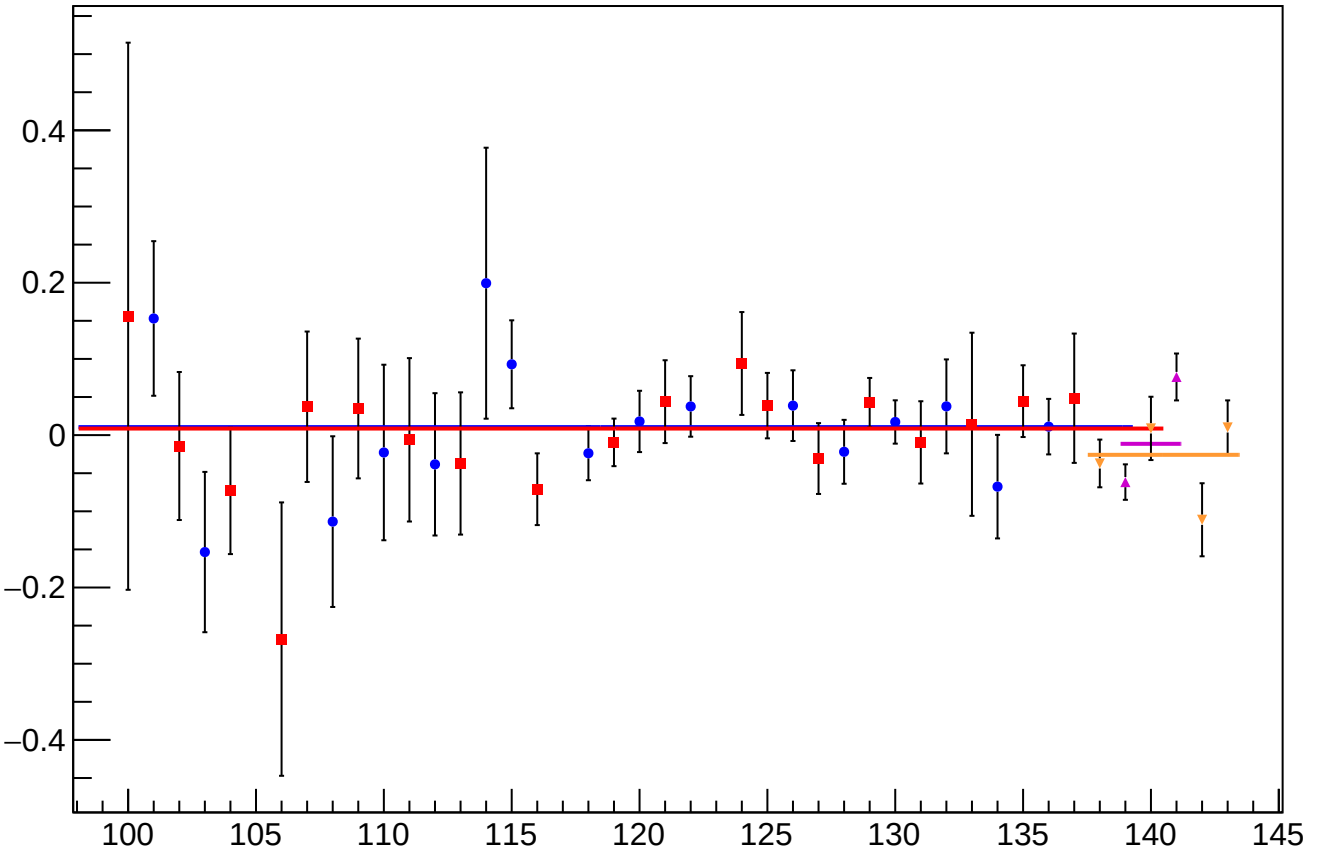
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 30.826+/-0.013 χ²/NDF:85512.8/3
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 23.740+/-0.013 χ²/NDF:80361.9/1
+ sign 30.001+/-0.007 χ²/NDF: 2539747.2/19
All: 29.528+/-0.005 χ²/NDF: 5524562.8/40
- sign 29.024+/-0.008 χ²/NDF: 2976336.2/20



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

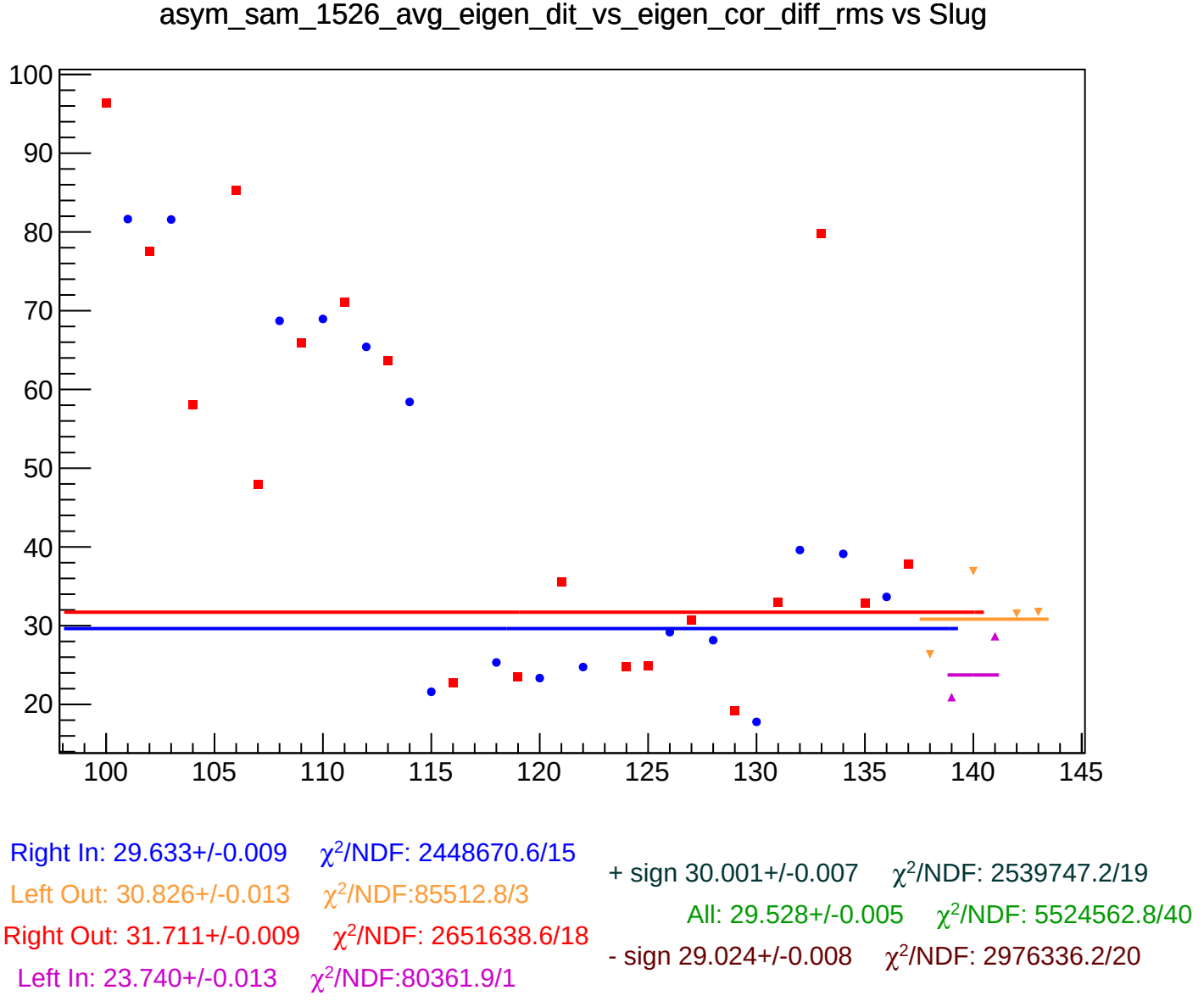
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.011+/-0.019 χ^2/NDF:12.8/1

+ sign -0.001+/-0.010 χ^2/NDF: 20.7/19

All: 0.001+/-0.008 χ^2/NDF: 46.8/40

- sign 0.002+/-0.011 χ^2/NDF: 26.0/20


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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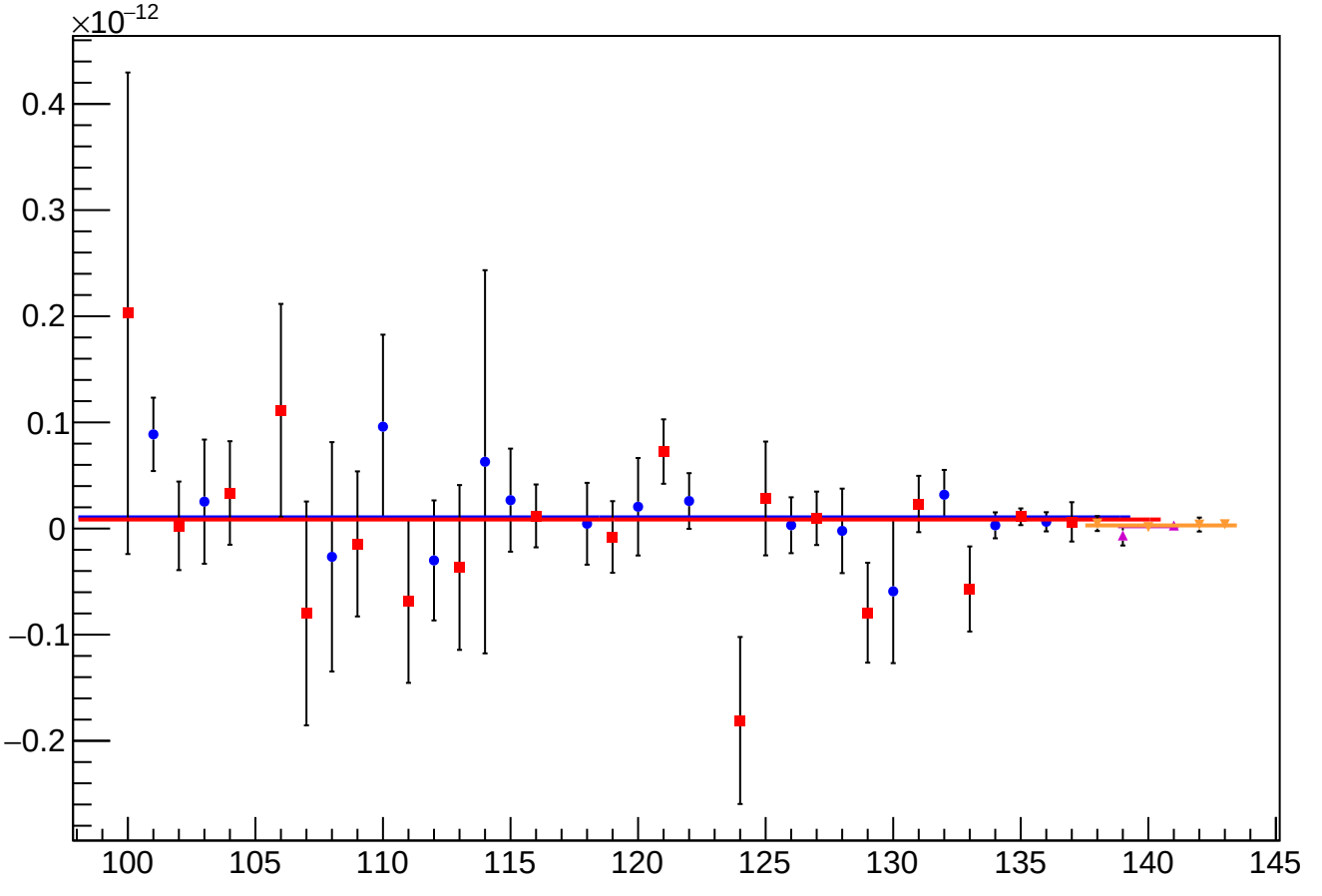
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 30.826+/-0.013 χ²/NDF:85512.8/3
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 23.740+/-0.013 χ²/NDF:80361.9/1
+ sign 30.001+/-0.007 χ²/NDF: 2539747.2/19
All: 29.528+/-0.005 χ²/NDF: 5524562.8/40
- sign 29.024+/-0.008 χ²/NDF: 2976336.2/20



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/3

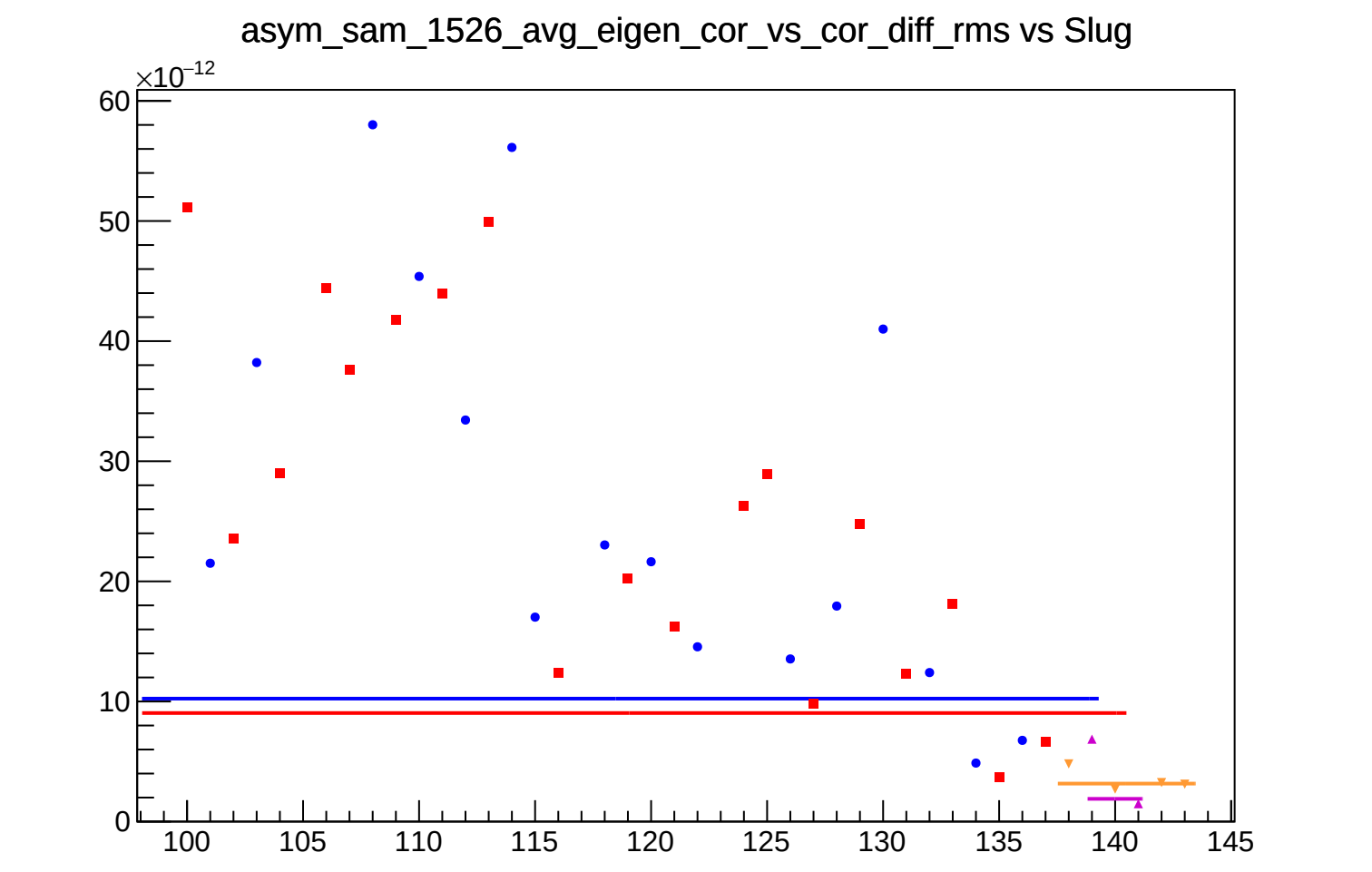
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

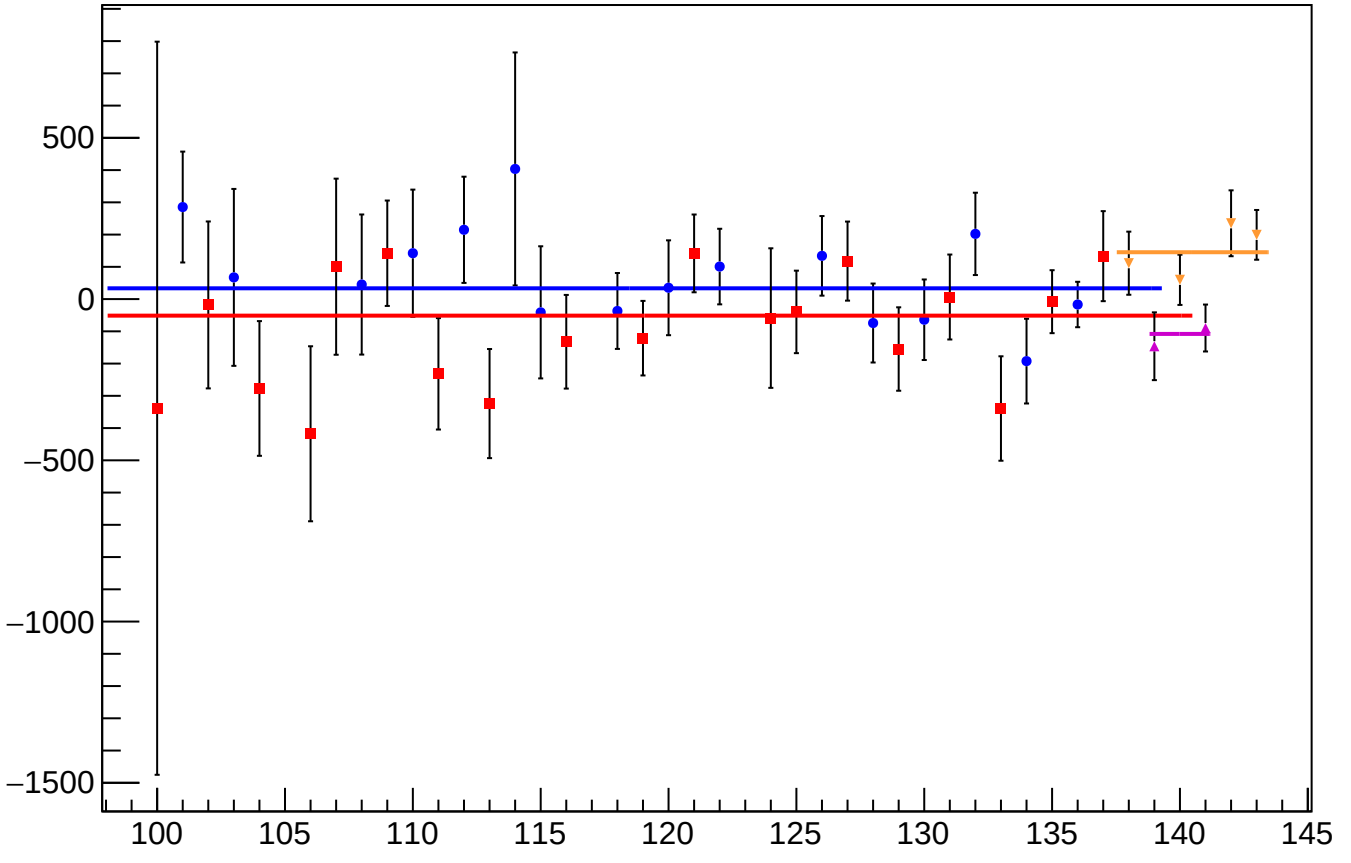
+ sign 0.000+/-0.000 χ^2/NDF: 11.8/19

All: 0.000+/-0.000 χ^2/NDF: 35.1/40

- sign 0.000+/-0.000 χ^2/NDF: 23.3/20


asym_sam_1526_avg_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: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:140535.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:595359.1/1
+ sign 0.000+/-0.000 χ²/NDF: 6033705.5/19
All: 0.000+/-0.000 χ²/NDF: 13824517.3/40
- sign 0.000+/-0.000 χ²/NDF: 7551040.4/20

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.317+/-43.307 χ^2/NDF:2.6/3

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

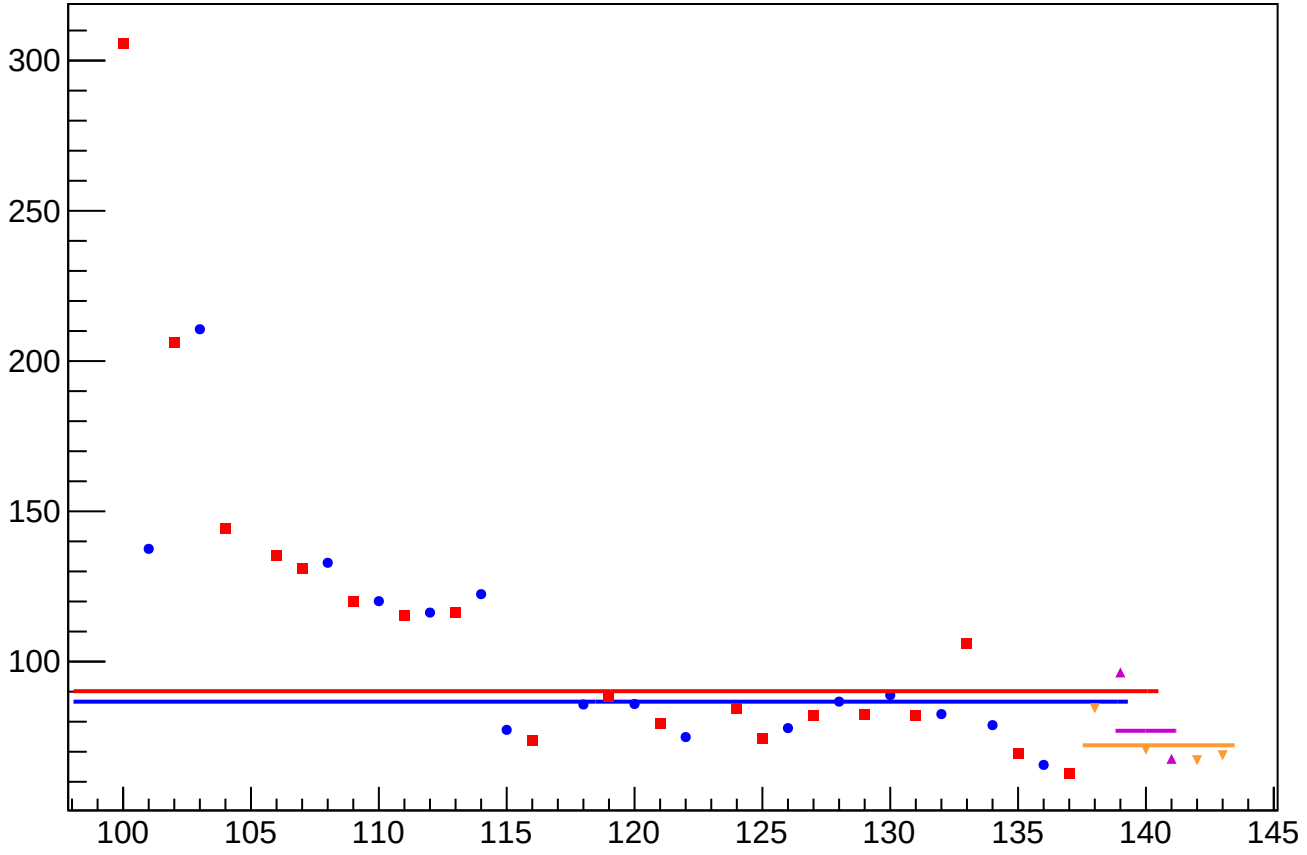
Left In: -108.038+/-59.822 χ^2/NDF:0.2/1

+ sign 75.910+/-26.685 χ^2/NDF: 19.5/19

All: 13.621+/-19.972 χ^2/NDF: 52.4/40

- sign -65.704+/-30.113 χ^2/NDF: 20.4/20

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

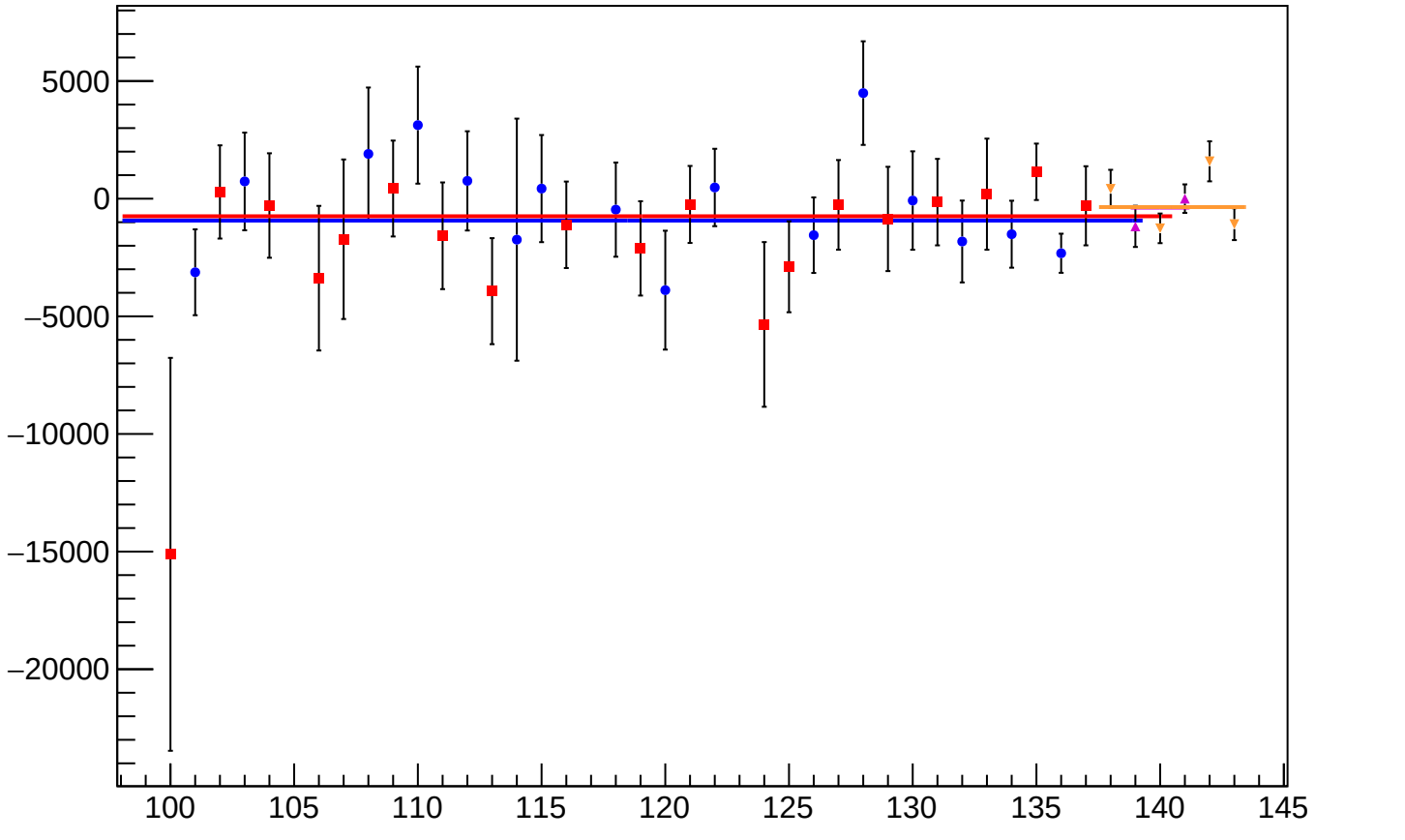
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 76.979+/-0.042 χ^2/NDF:101183.8/1

+ sign 81.156+/-0.019 χ^2/NDF: 1218960.1/19

All: 83.645+/-0.014 χ^2/NDF: 2582094.1/40

- sign 86.815+/-0.021 χ^2/NDF: 1323577.7/20



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -356.046+/-362.238 χ^2/NDF:9.4/3

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

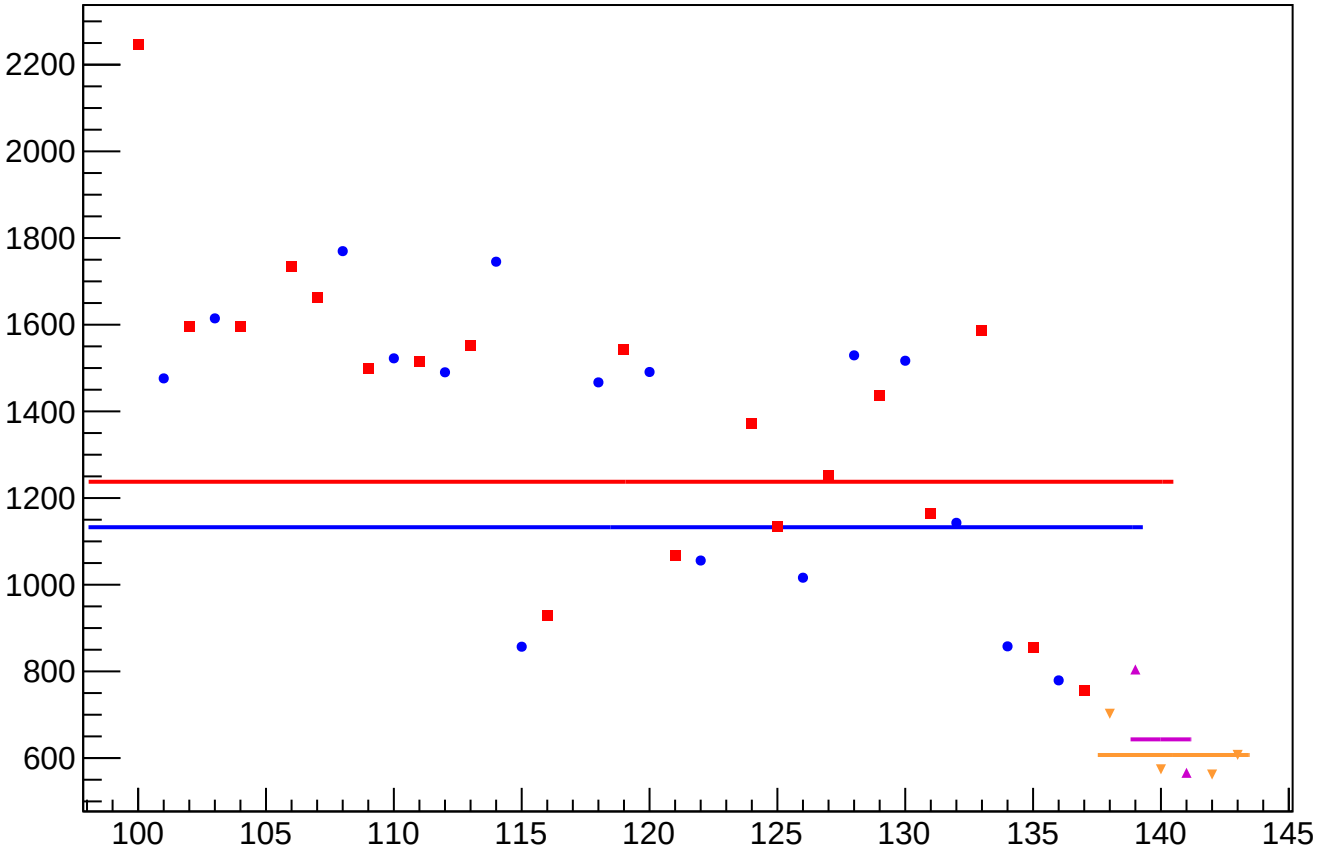
Left In: -378.673+/-498.034 χ^2/NDF:1.2/1

\+ sign -587.275+/-279.887 χ^2/NDF: 28.9/19

All: -582.101+/-216.348 χ^2/NDF: 43.4/40

\- sign -574.420+/-341.012 χ^2/NDF: 14.5/20

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 607.083+/-0.256 χ^2/NDF:38832.5/3

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

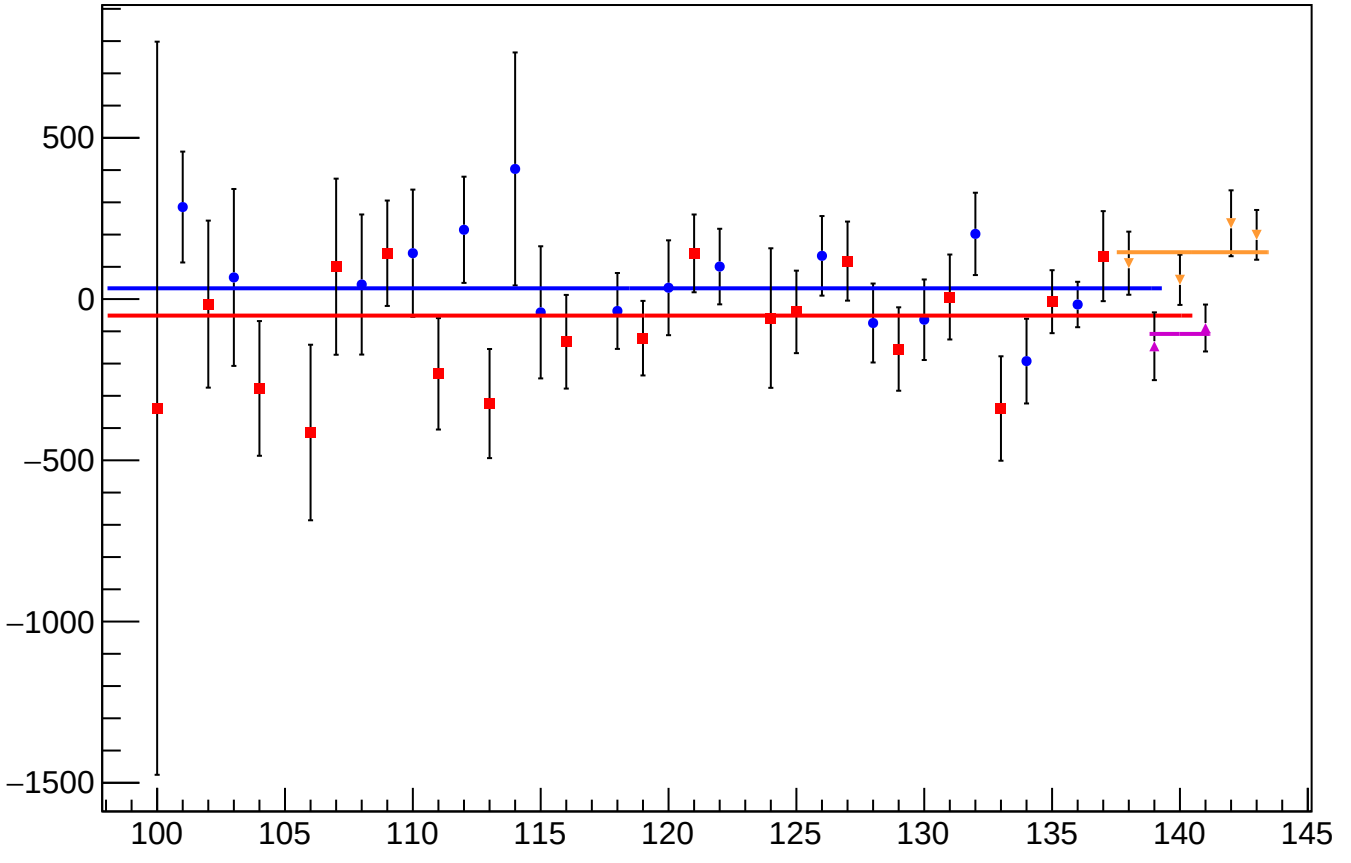
Left In: 643.133+/-0.352 χ^2/NDF:100315.2/1

+ sign 818.899+/-0.198 χ^2/NDF: 2859900.6/19

All: 875.244+/-0.153 χ^2/NDF: 5570412.8/40

- sign 958.887+/-0.241 χ^2/NDF: 2509134.6/20

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.319+/-43.307 χ^2/NDF:2.6/3

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

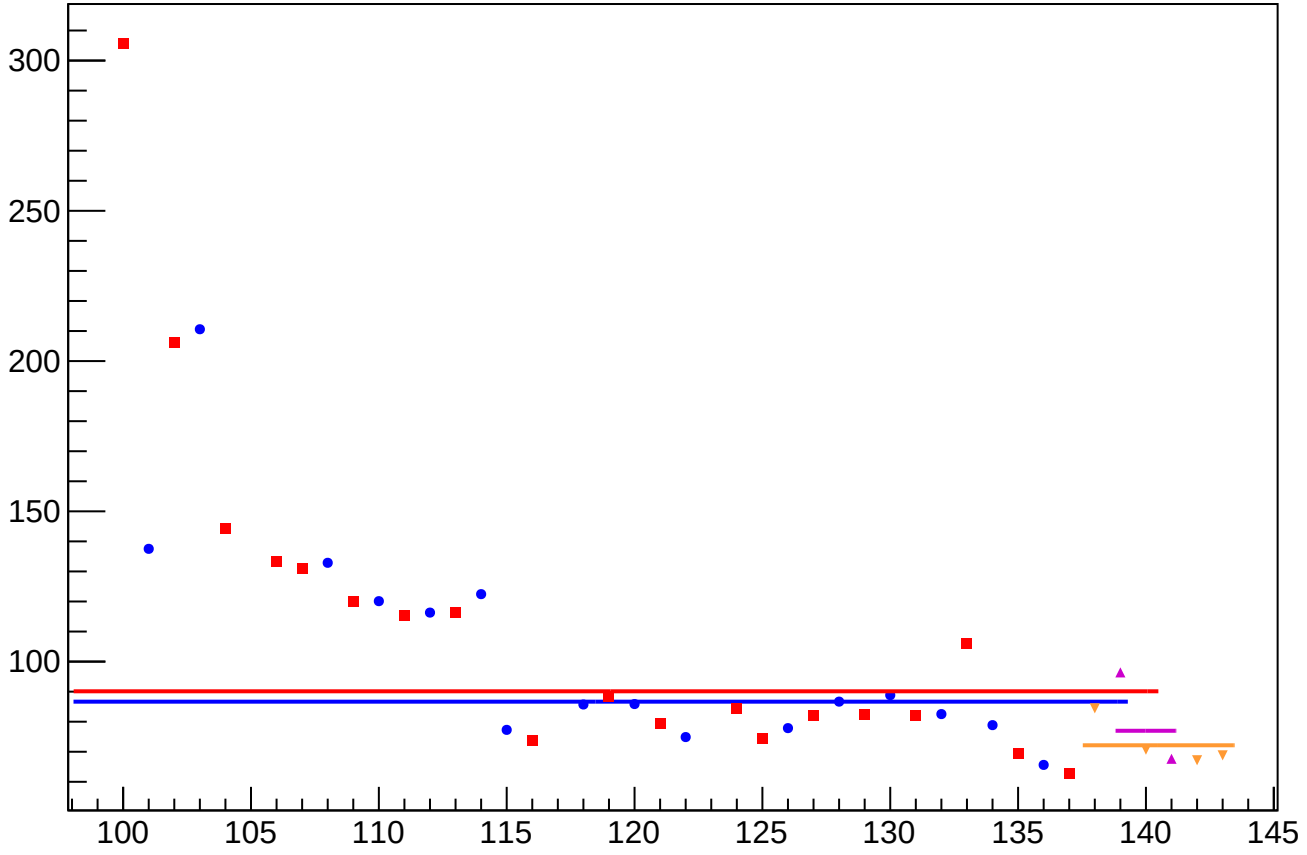
Left In: -108.042+/-59.822 χ^2/NDF:0.2/1

+ sign 75.906+/-26.685 χ^2/NDF: 19.5/19

All: 13.669+/-19.972 χ^2/NDF: 52.3/40

- sign -65.596+/-30.115 χ^2/NDF: 20.4/20

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

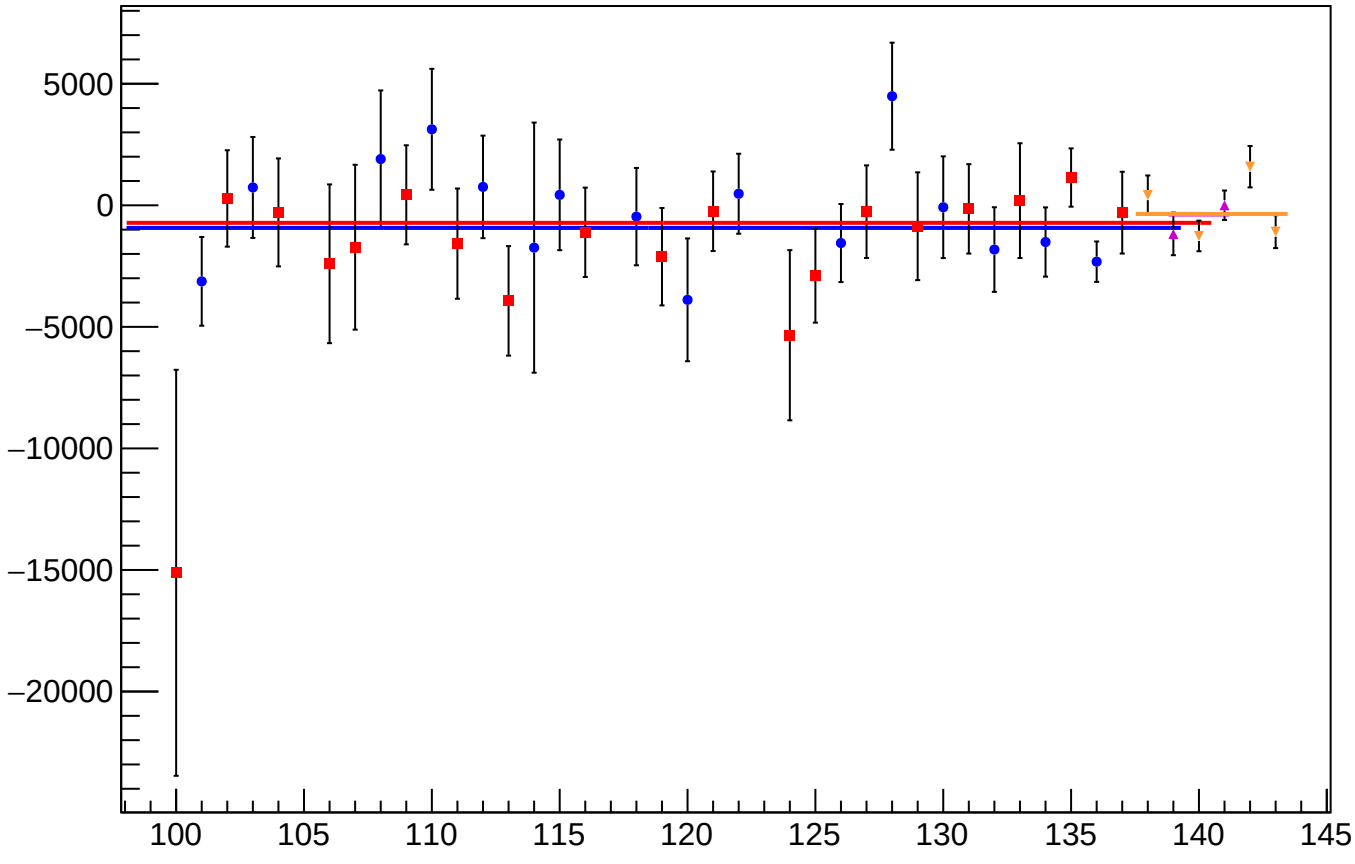
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 76.979+/-0.042 χ^2/NDF:101183.8/1

+ sign 81.156+/-0.019 χ^2/NDF: 1218962.9/19

All: 83.633+/-0.014 χ^2/NDF: 2576601.5/40

- sign 86.787+/-0.021 χ^2/NDF: 1318474.6/20



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -356.036+/-362.238 χ^2/NDF:9.4/3

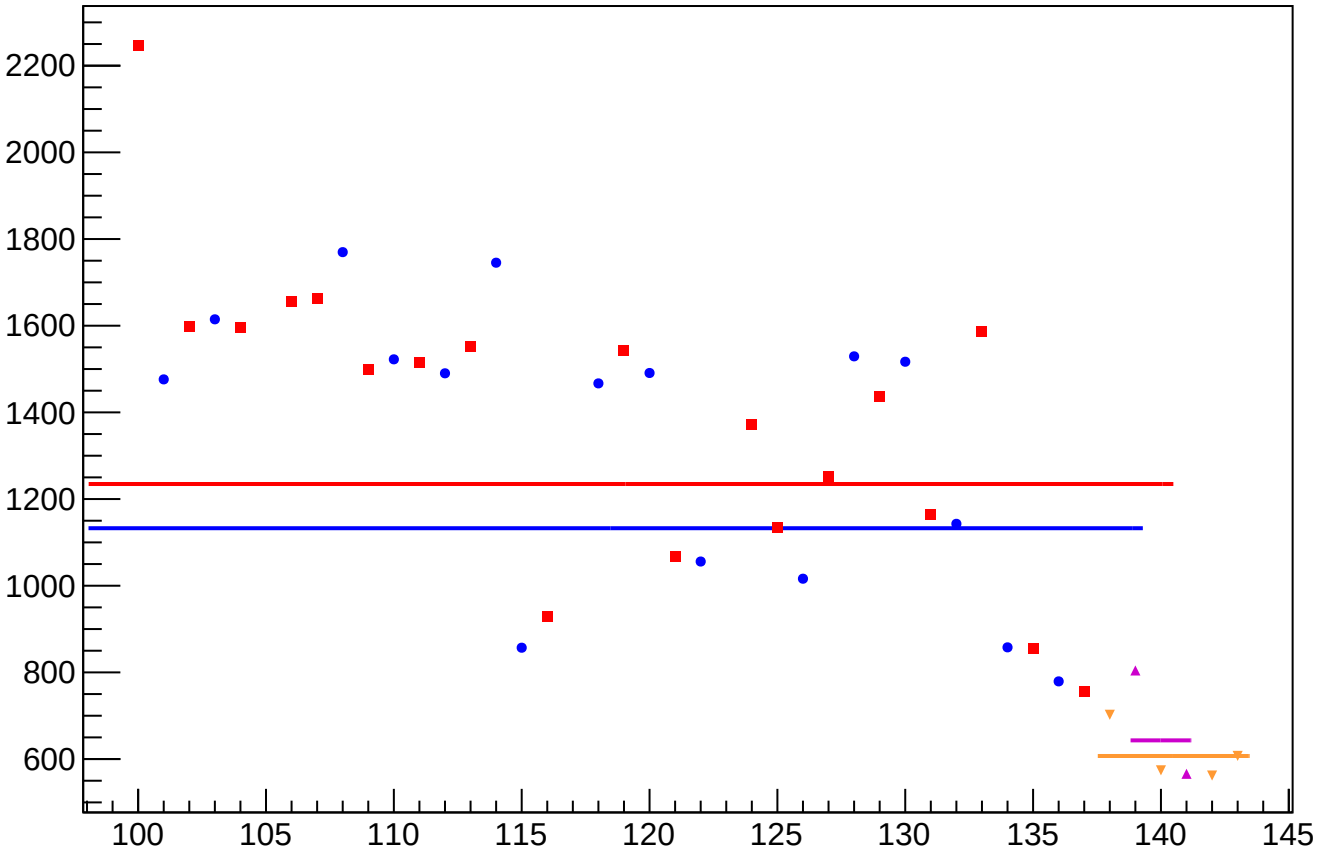
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -378.677+/-498.034 χ^2/NDF:1.2/1

+ sign -587.254+/-279.888 χ^2/NDF: 28.9/19

All: -576.319+/-216.411 χ^2/NDF: 42.9/40

- sign -560.063+/-341.259 χ^2/NDF: 14.0/20



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 607.082+/-0.256 χ^2/NDF:38832.6/3

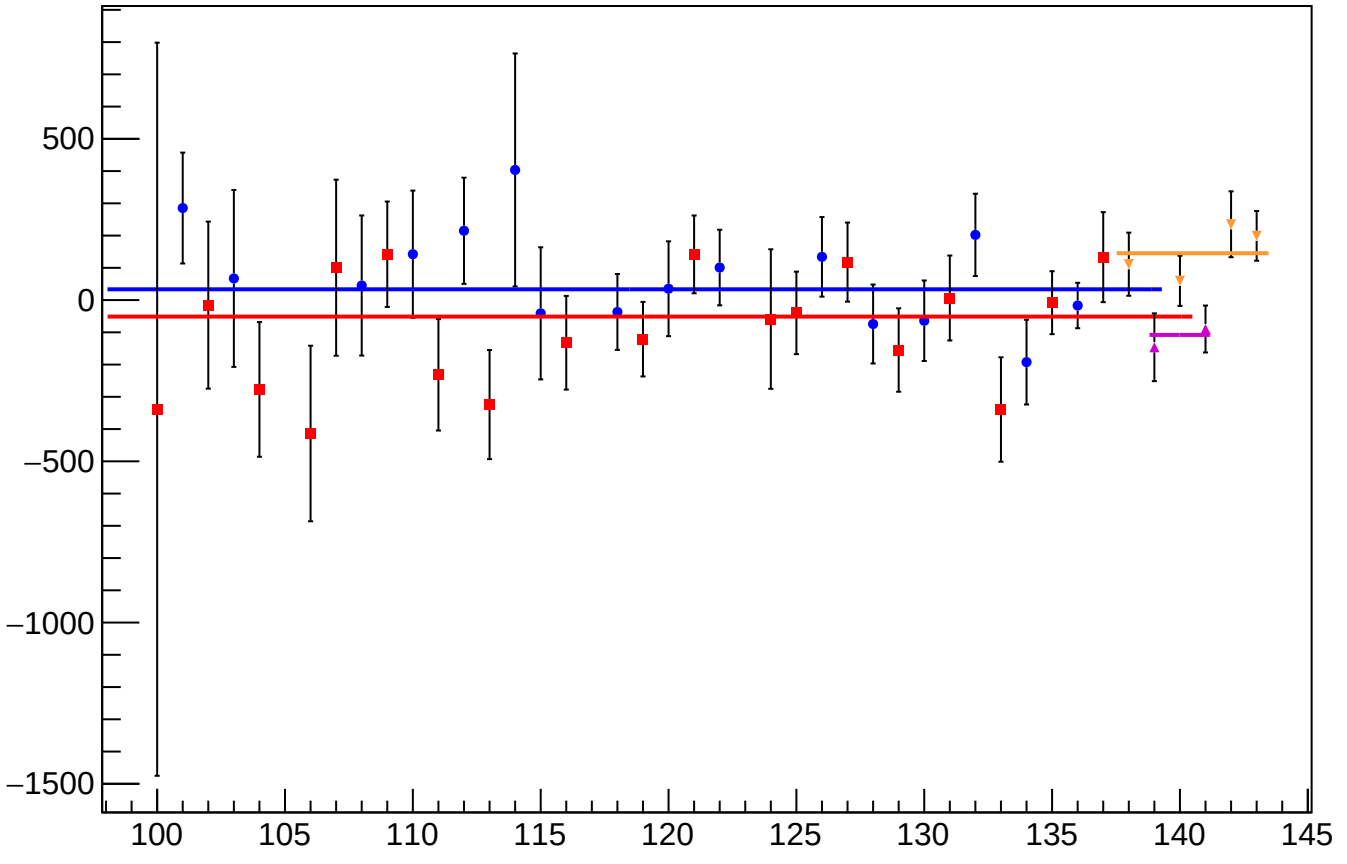
Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 643.133+/-0.352 χ^2/NDF:100314.2/1

+ sign 818.899+/-0.198 χ^2/NDF: 2859943.7/19

All: 874.419+/-0.153 χ^2/NDF: 5529166.0/40

- sign 956.956+/-0.241 χ^2/NDF: 2473531.3/20



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.319+/-43.307 χ^2/NDF:2.6/3

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

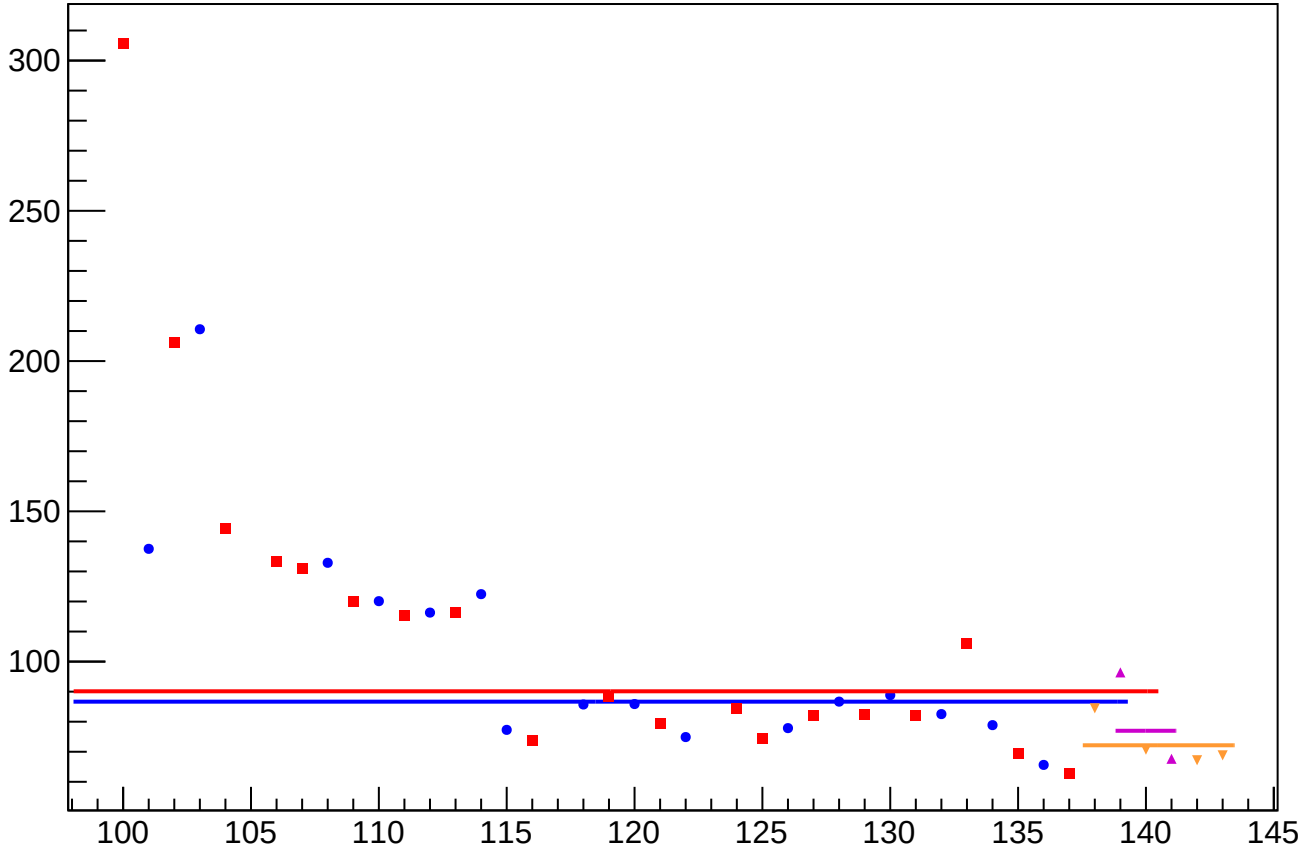
Left In: -108.042+/-59.822 χ^2/NDF:0.2/1

+ sign 75.906+/-26.685 χ^2/NDF: 19.5/19

All: 13.669+/-19.972 χ^2/NDF: 52.3/40

- sign -65.596+/-30.115 χ^2/NDF: 20.4/20

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

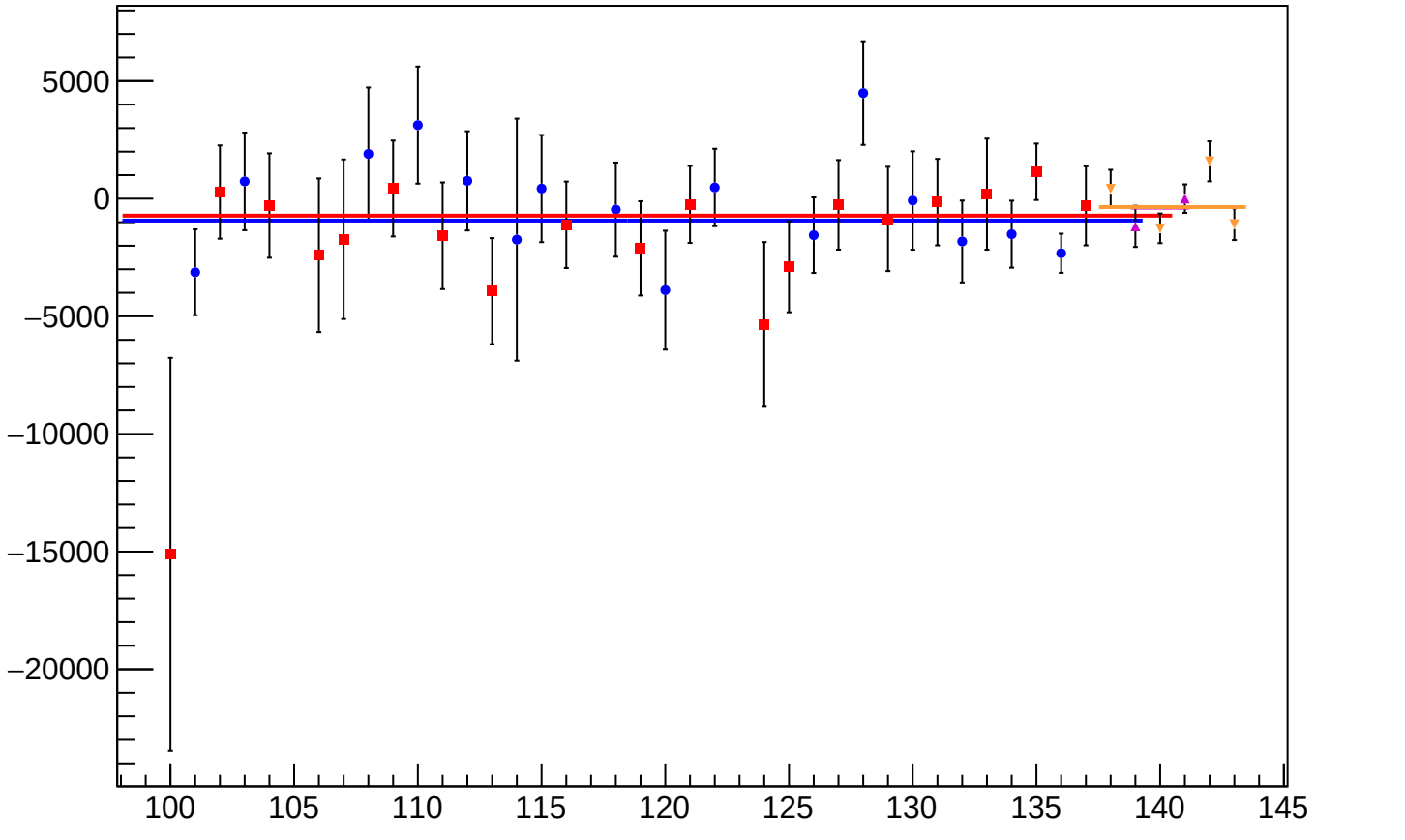
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 76.979+/-0.042 χ^2/NDF:101183.8/1

+ sign 81.156+/-0.019 χ^2/NDF: 1218962.9/19

All: 83.633+/-0.014 χ^2/NDF: 2576601.5/40

- sign 86.787+/-0.021 χ^2/NDF: 1318474.6/20



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -356.036+/-362.238 χ^2/NDF:9.4/3

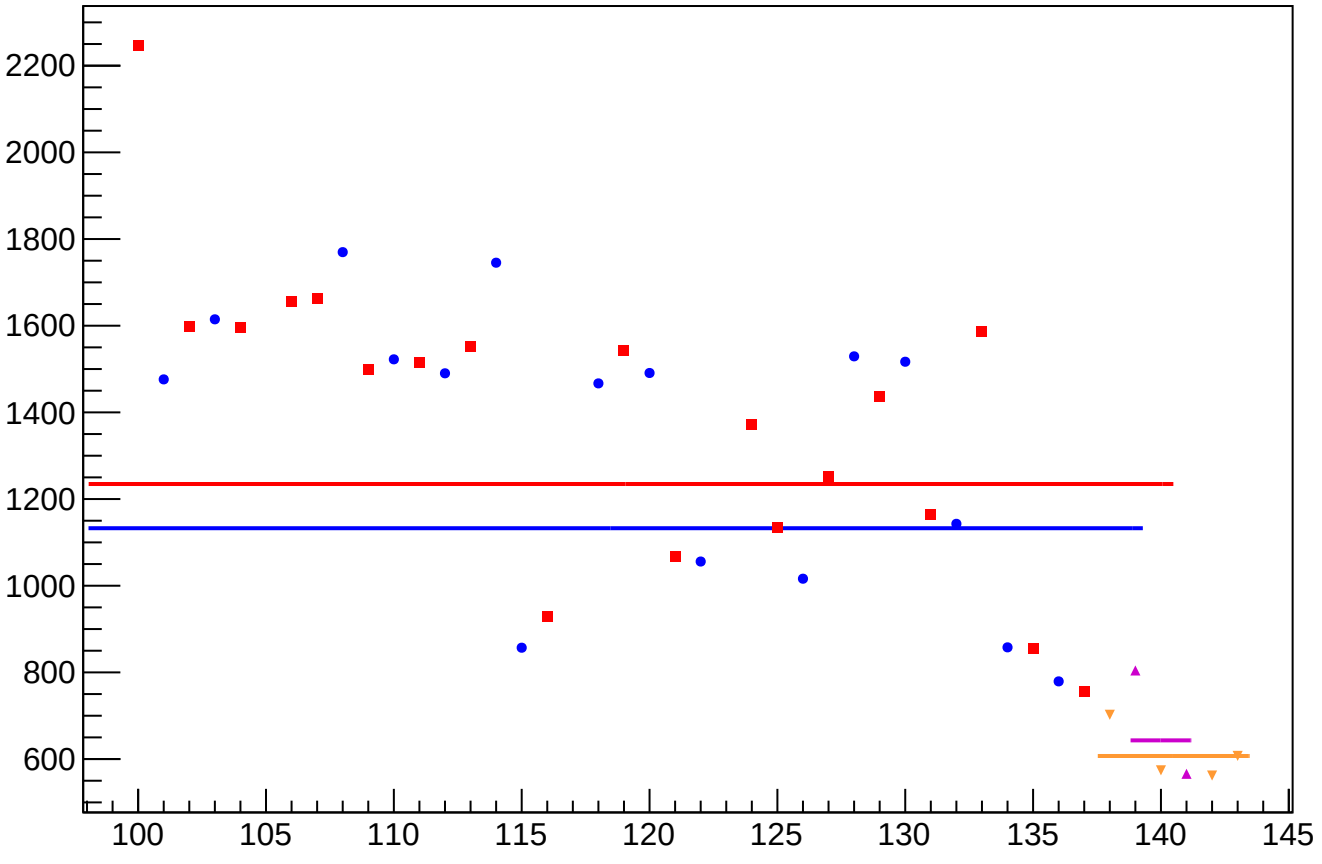
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -378.677+/-498.034 χ^2/NDF:1.2/1

+ sign -587.254+/-279.888 χ^2/NDF: 28.9/19

All: -576.319+/-216.411 χ^2/NDF: 42.9/40

- sign -560.063+/-341.259 χ^2/NDF: 14.0/20



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 607.082+/-0.256 χ^2/NDF:38832.6/3

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

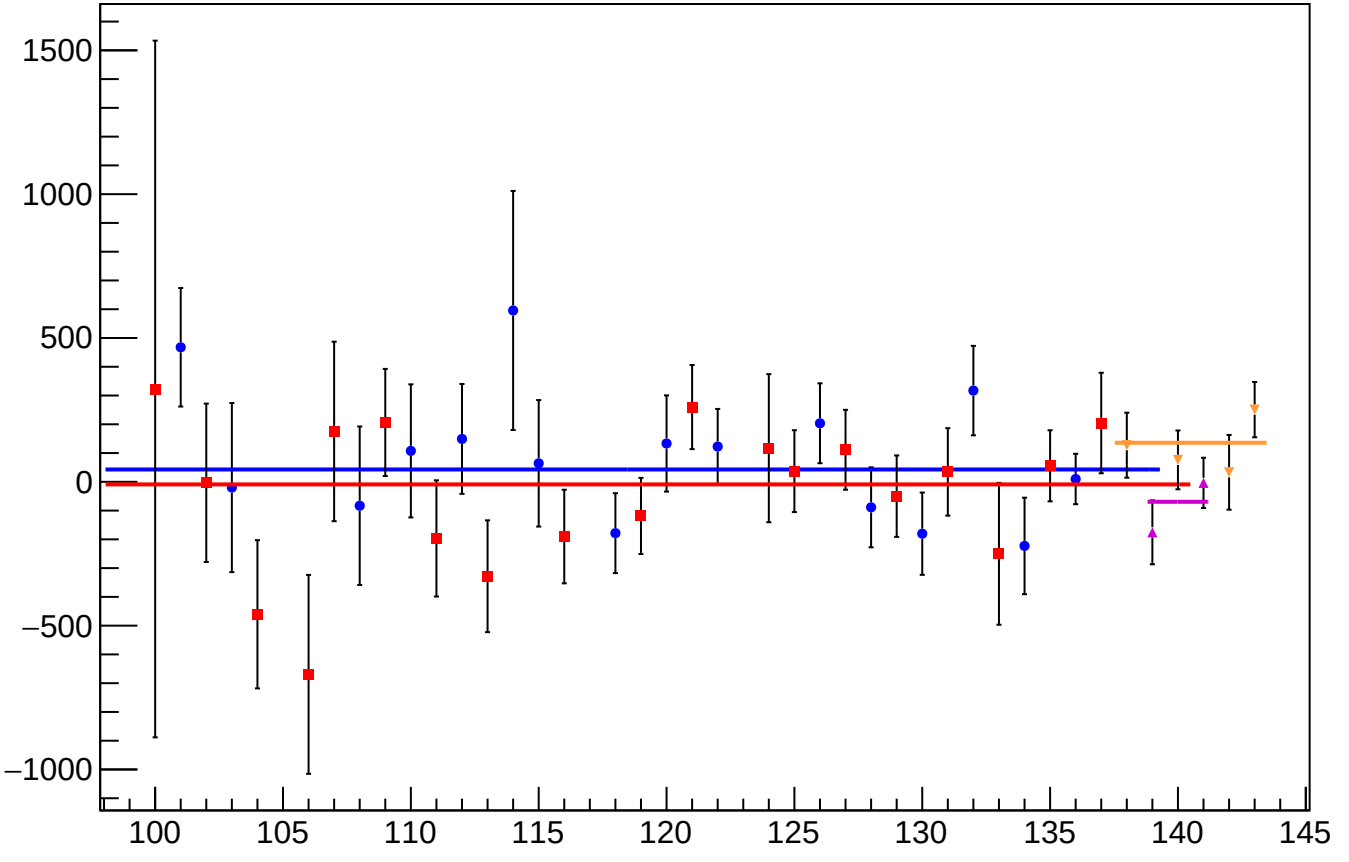
Left In: 643.133+/-0.352 χ^2/NDF:100314.2/1

+ sign 818.899+/-0.198 χ^2/NDF: 2859943.7/19

All: 874.419+/-0.153 χ^2/NDF: 5529166.0/40

- sign 956.956+/-0.241 χ^2/NDF: 2473531.3/20

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 135.788+/-54.120 χ^2/NDF:2.4/3

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

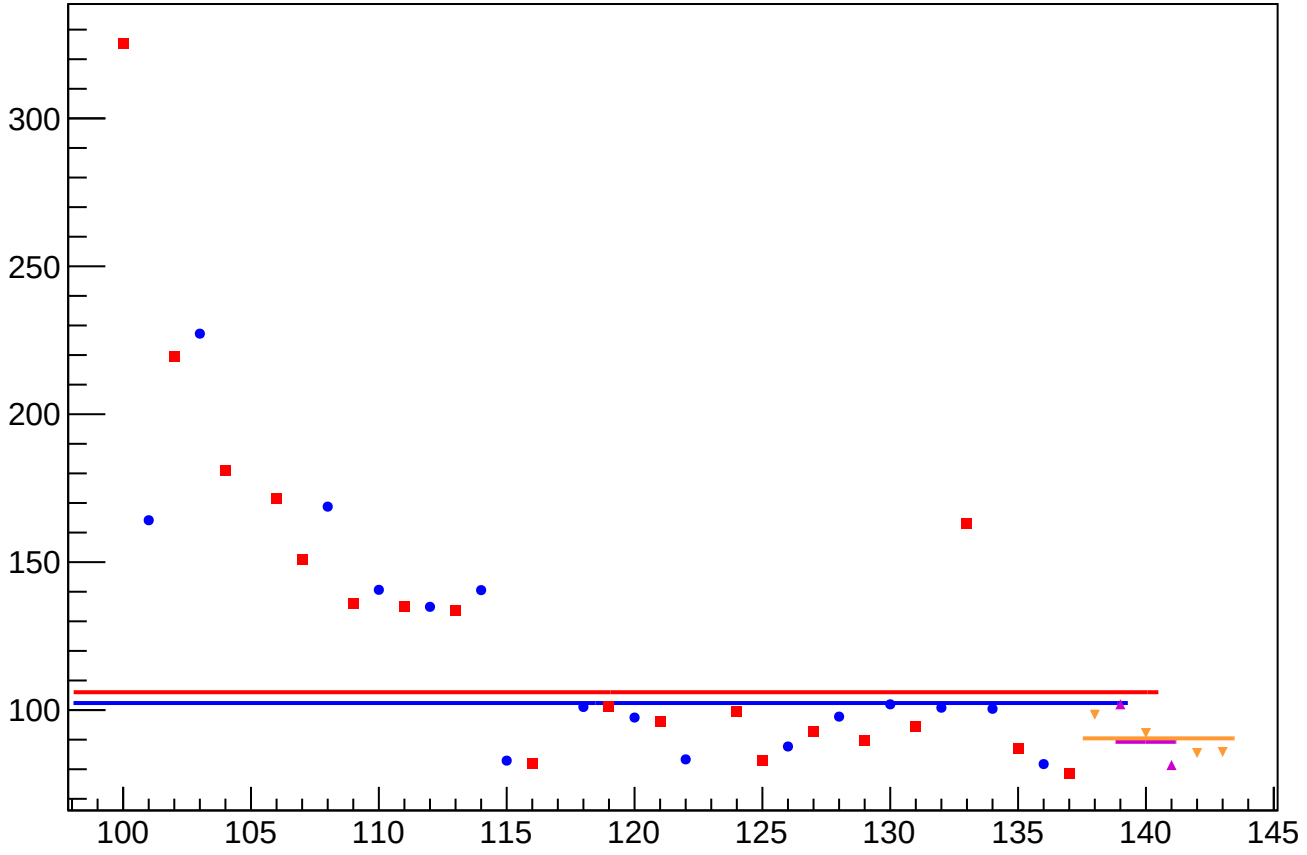
Left In: -69.390+/-68.733 χ^2/NDF:1.5/1

+ sign 75.669+/-32.140 χ^2/NDF: 24.6/19

All: 30.025+/-23.750 χ^2/NDF: 52.4/40

- sign -24.875+/-35.249 χ^2/NDF: 23.4/20

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 90.435+/-0.038 χ^2/NDF:18110.7/3

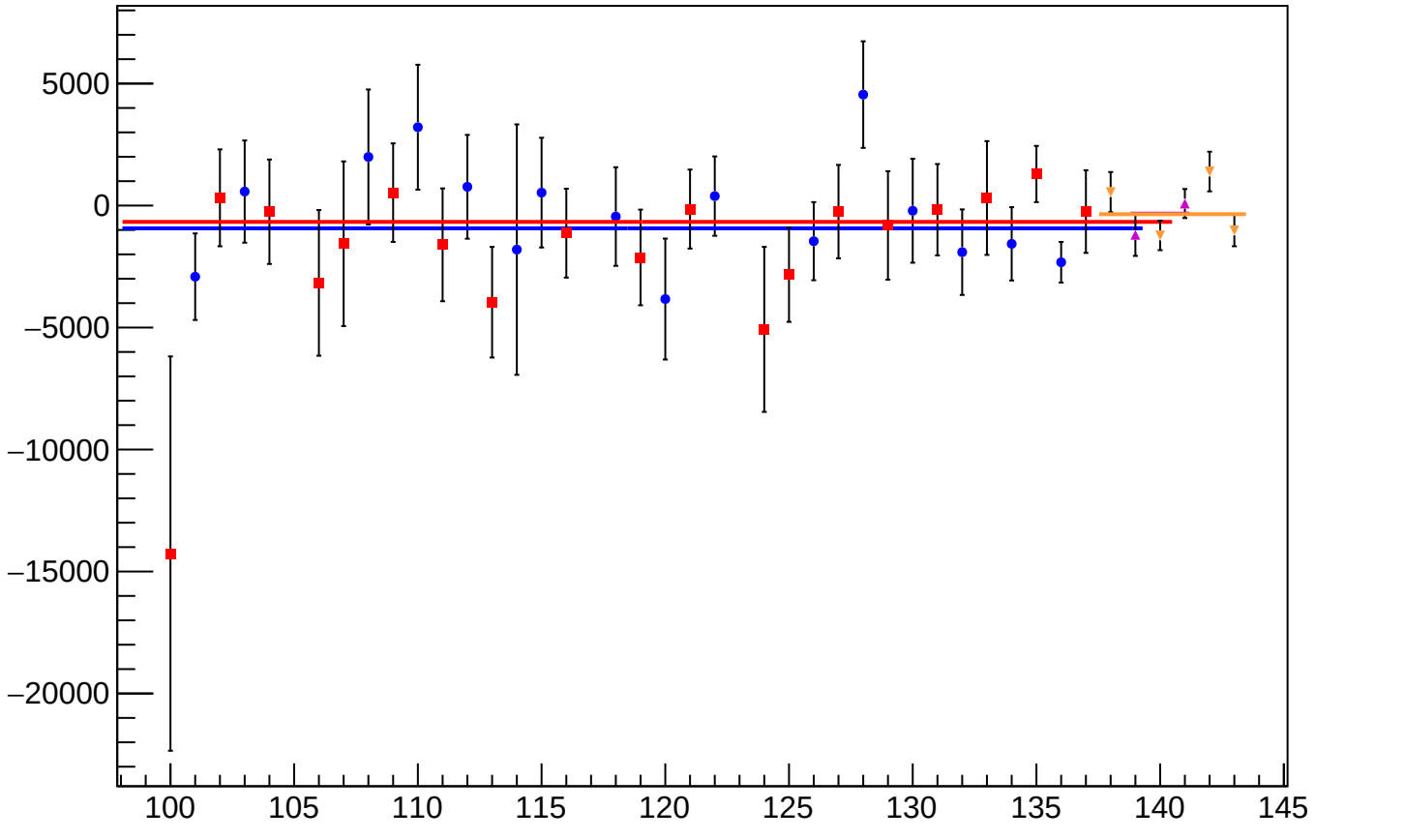
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 89.271+/-0.049 χ^2/NDF:42155.3/1

+ sign 98.166+/-0.023 χ^2/NDF: 1063472.1/19

All: 99.736+/-0.017 χ^2/NDF: 2395084.6/40

- sign 101.624+/-0.025 χ^2/NDF: 1321102.5/20



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -353.731+/-350.836 χ^2/NDF:9.0/3

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

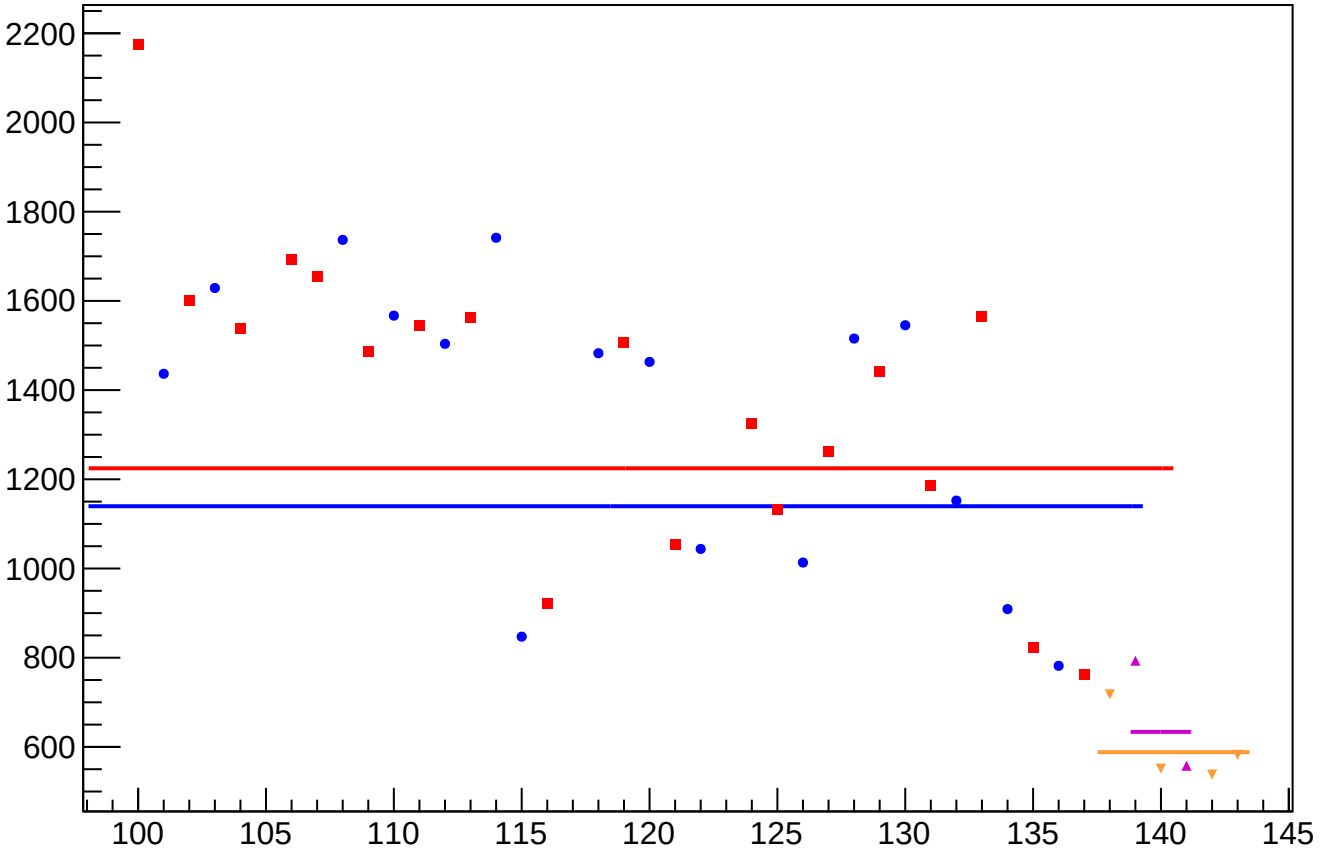
Left In: -329.991+/-490.452 χ^2/NDF:1.5/1

+ sign -576.939+/-274.967 χ^2/NDF: 28.5/19

All: -549.730+/-212.987 χ^2/NDF: 43.7/40

- sign -508.918+/-336.759 χ^2/NDF: 15.2/20

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 588.252+/-0.248 χ^2/NDF:64855.5/3

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

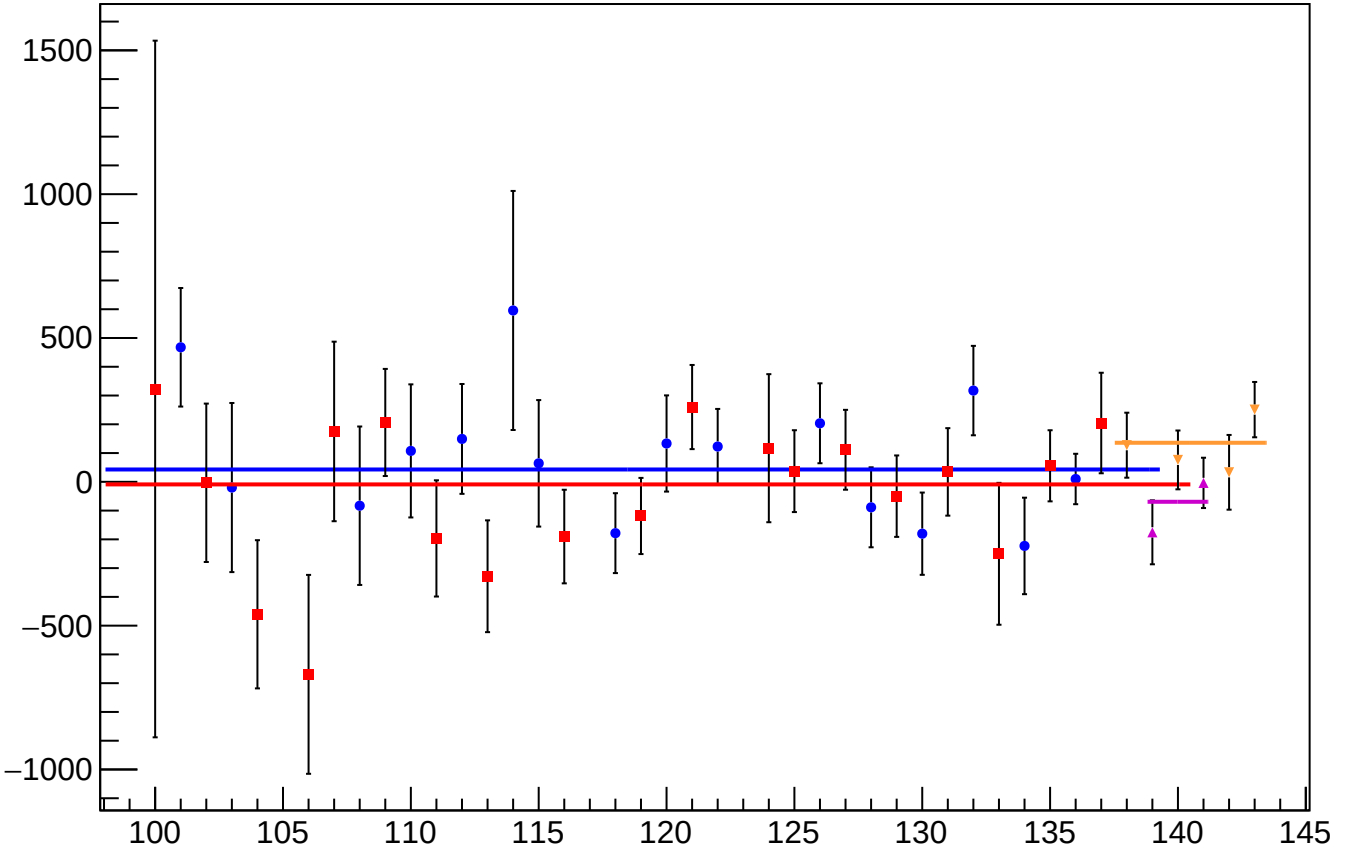
Left In: 633.724+/-0.347 χ^2/NDF:100693.4/1

+ sign 800.951+/-0.194 χ^2/NDF: 3063981.9/19

All: 858.989+/-0.151 χ^2/NDF: 5844303.7/40

- sign 946.045+/-0.238 χ^2/NDF: 2557560.9/20

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 135.788+/-54.121 χ^2/NDF:2.4/3

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

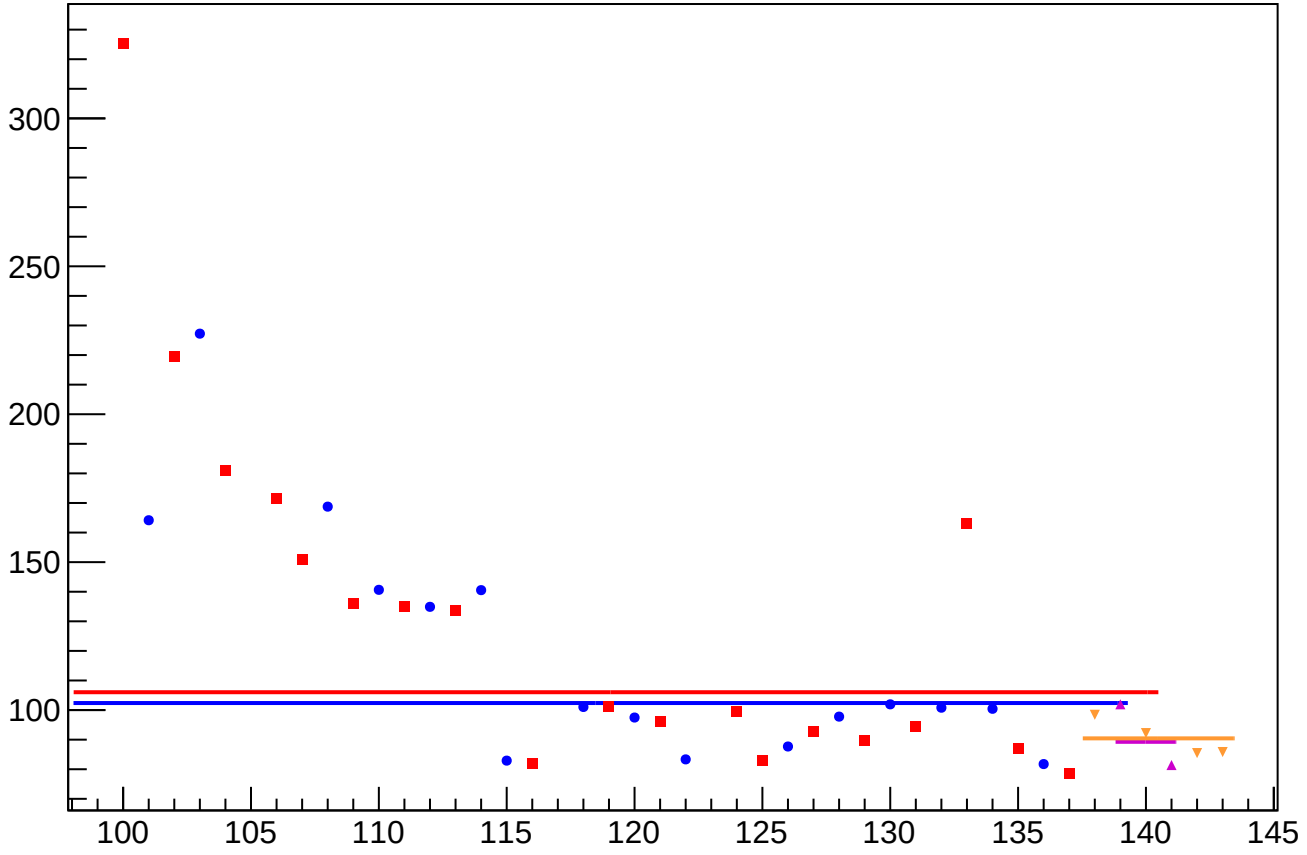
Left In: -69.391+/-68.733 χ^2/NDF:1.5/1

+ sign 75.669+/-32.140 χ^2/NDF: 24.6/19

All: 30.026+/-23.750 χ^2/NDF: 52.4/40

- sign -24.873+/-35.249 χ^2/NDF: 23.4/20

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 90.435+/-0.038 χ^2/NDF:18109.0/3

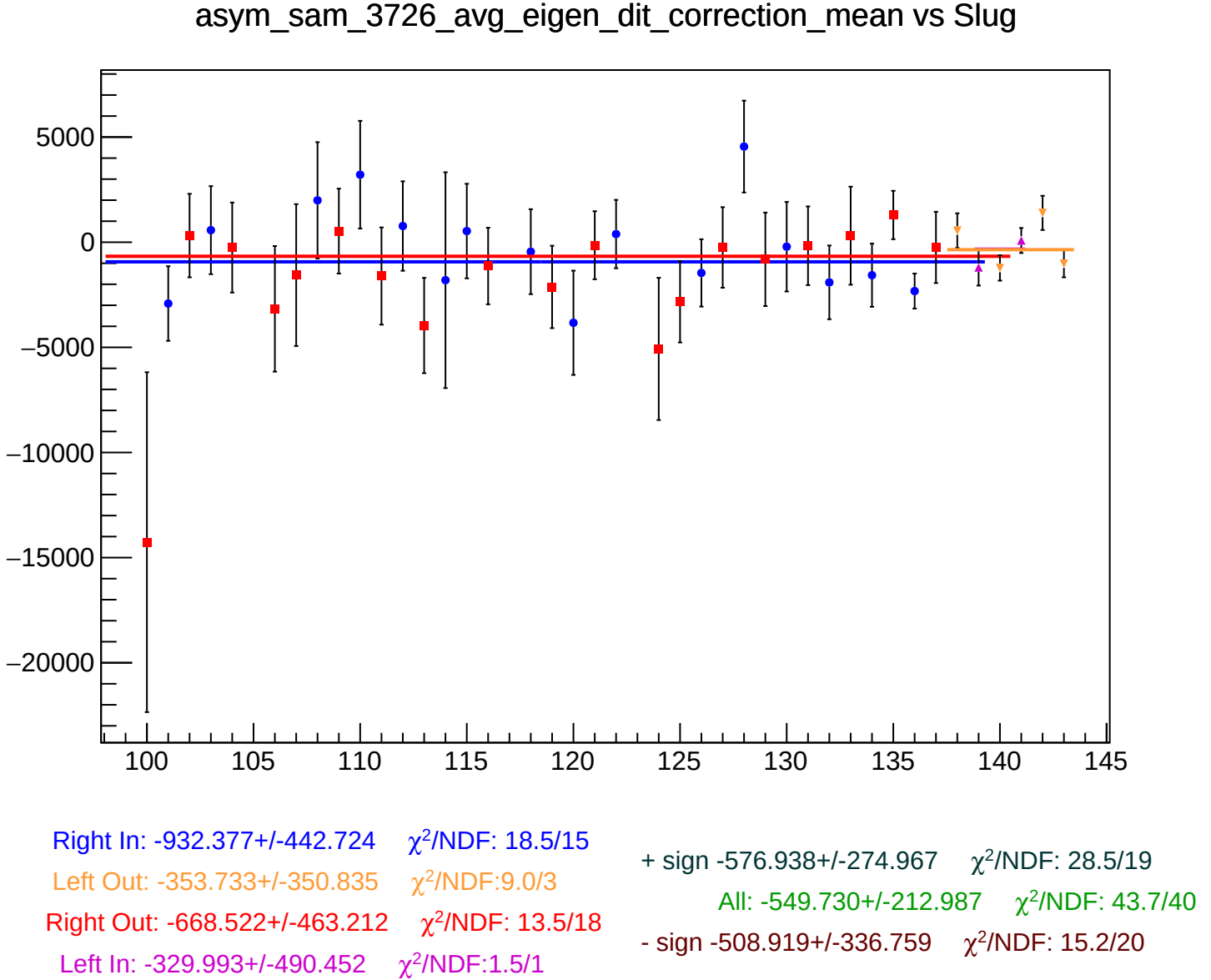
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 89.272+/-0.049 χ^2/NDF:42154.7/1

+ sign 98.166+/-0.023 χ^2/NDF: 1063461.4/19

All: 99.736+/-0.017 χ^2/NDF: 2395072.3/40

- sign 101.624+/-0.025 χ^2/NDF: 1321100.4/20



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -353.733+/-350.835 χ^2/NDF:9.0/3

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

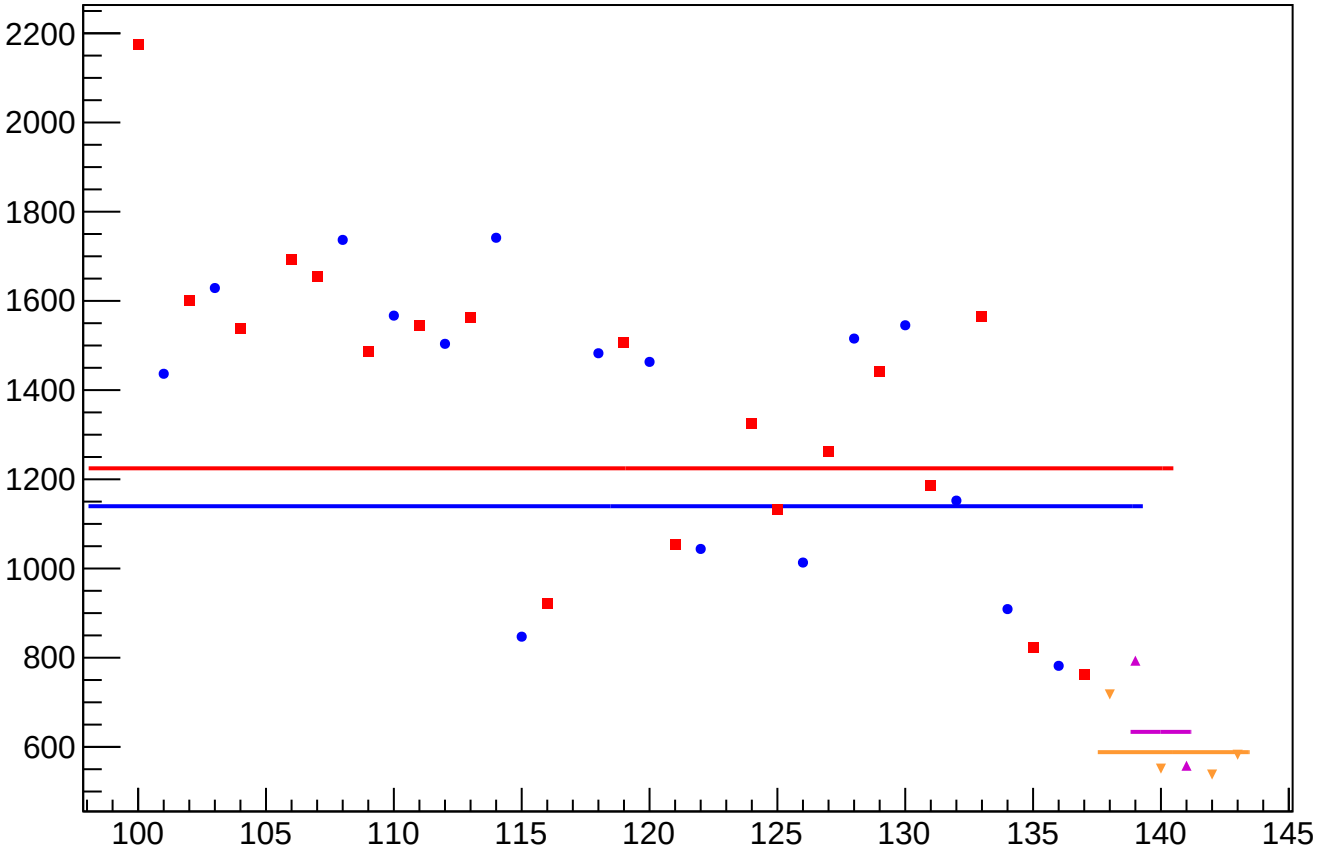
Left In: -329.993+/-490.452 χ^2/NDF:1.5/1

+ sign -576.938+/-274.967 χ^2/NDF: 28.5/19

All: -549.730+/-212.987 χ^2/NDF: 43.7/40

- sign -508.919+/-336.759 χ^2/NDF: 15.2/20

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 588.252+/-0.248 χ^2/NDF:64854.1/3

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

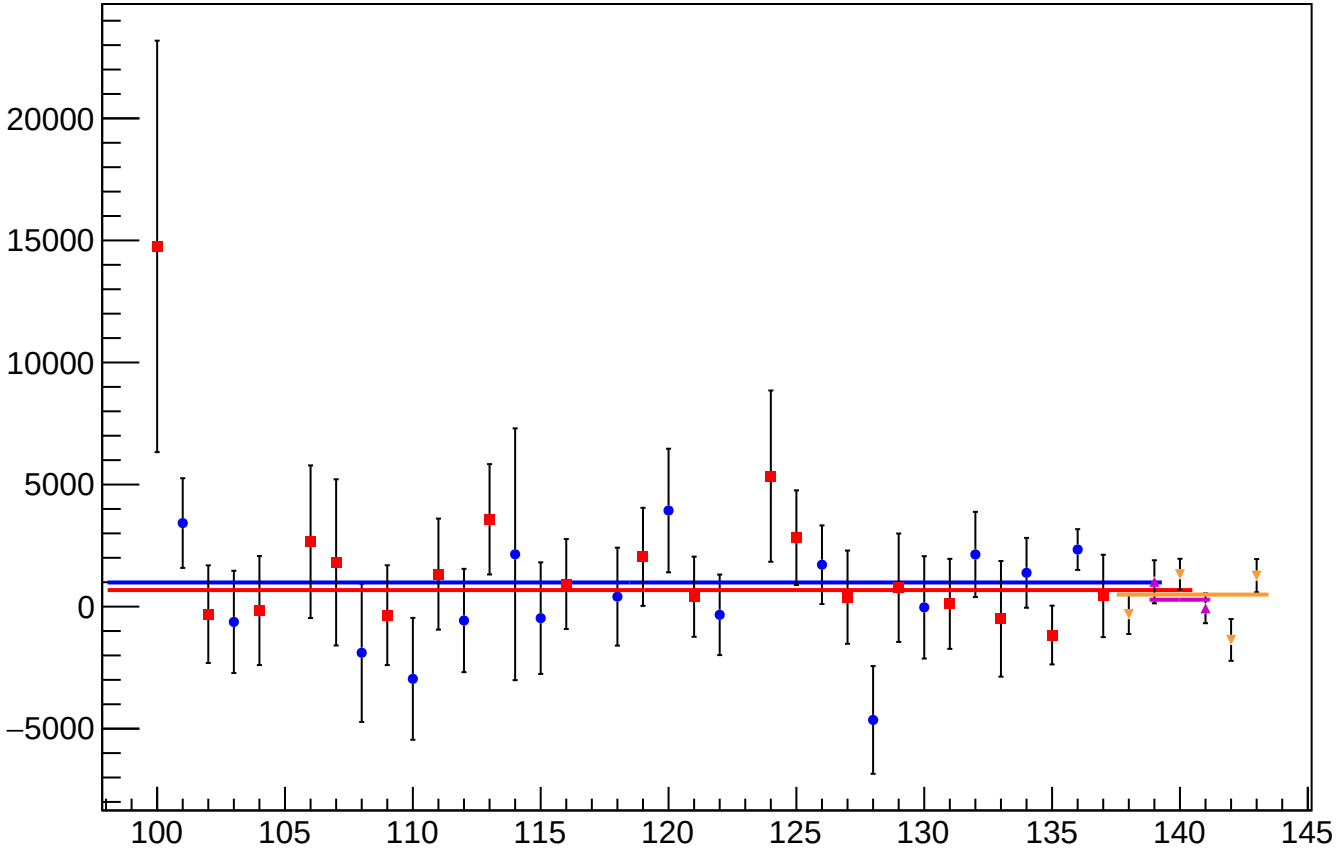
Left In: 633.724+/-0.347 χ^2/NDF:100691.8/1

+ sign 800.950+/-0.194 χ^2/NDF: 3063965.8/19

All: 858.989+/-0.151 χ^2/NDF: 5844271.3/40

- sign 946.044+/-0.238 χ^2/NDF: 2557545.2/20

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 493.406+/-364.878 χ^2/NDF:8.7/3

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

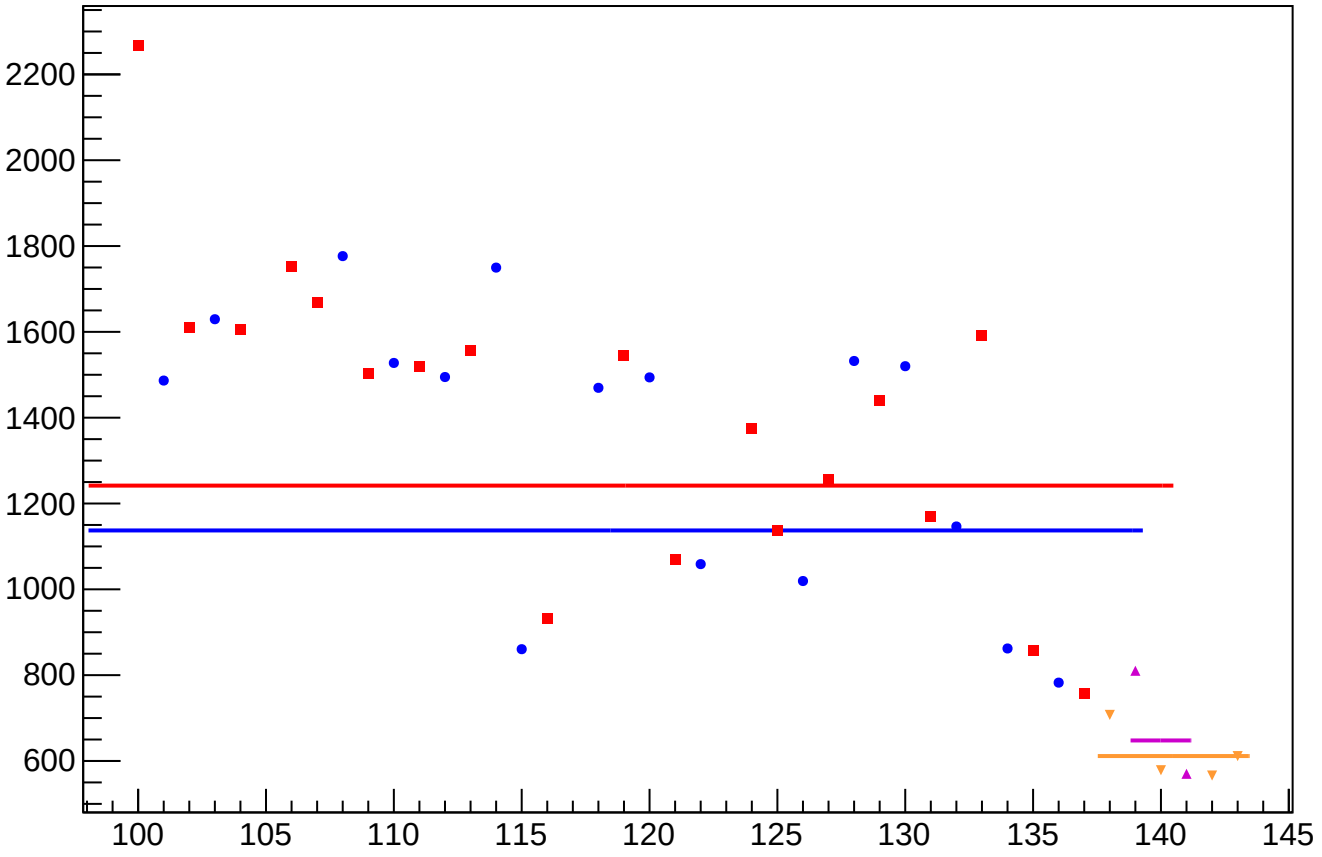
Left In: 282.033+/-501.670 χ^2/NDF:1.0/1

+ sign 694.050+/-281.549 χ^2/NDF: 28.5/19

All: 613.019+/-217.586 χ^2/NDF: 41.9/40

- sign 492.857+/-342.855 χ^2/NDF: 13.3/20

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 611.472+/-0.258 χ^2/NDF:38770.1/3

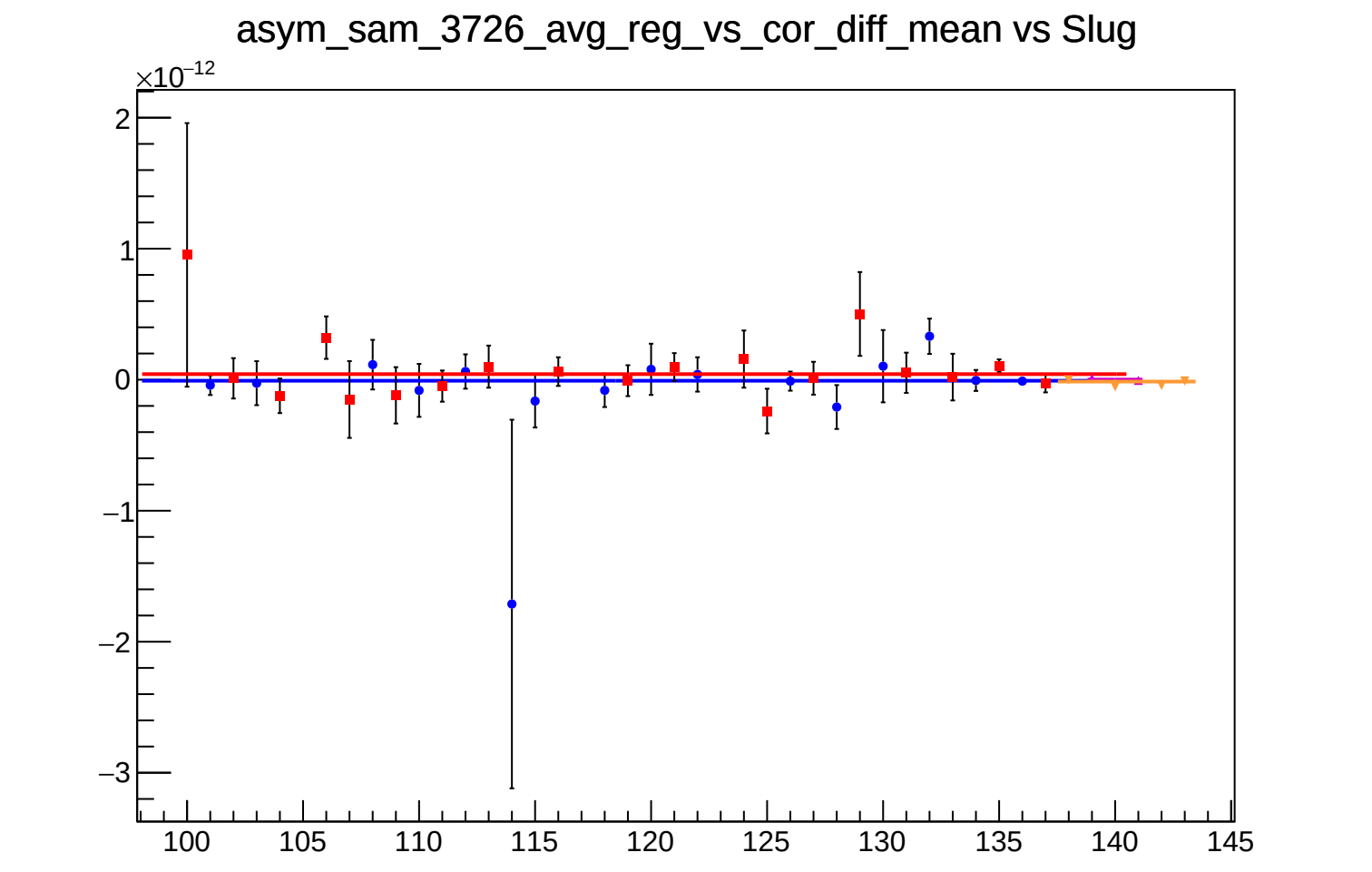
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 647.816+/-0.355 χ^2/NDF:100265.5/1

+ sign 824.186+/-0.199 χ^2/NDF: 2842454.8/19

All: 880.625+/-0.154 χ^2/NDF: 5535435.2/40

- sign 964.318+/-0.242 χ^2/NDF: 2493435.5/20



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

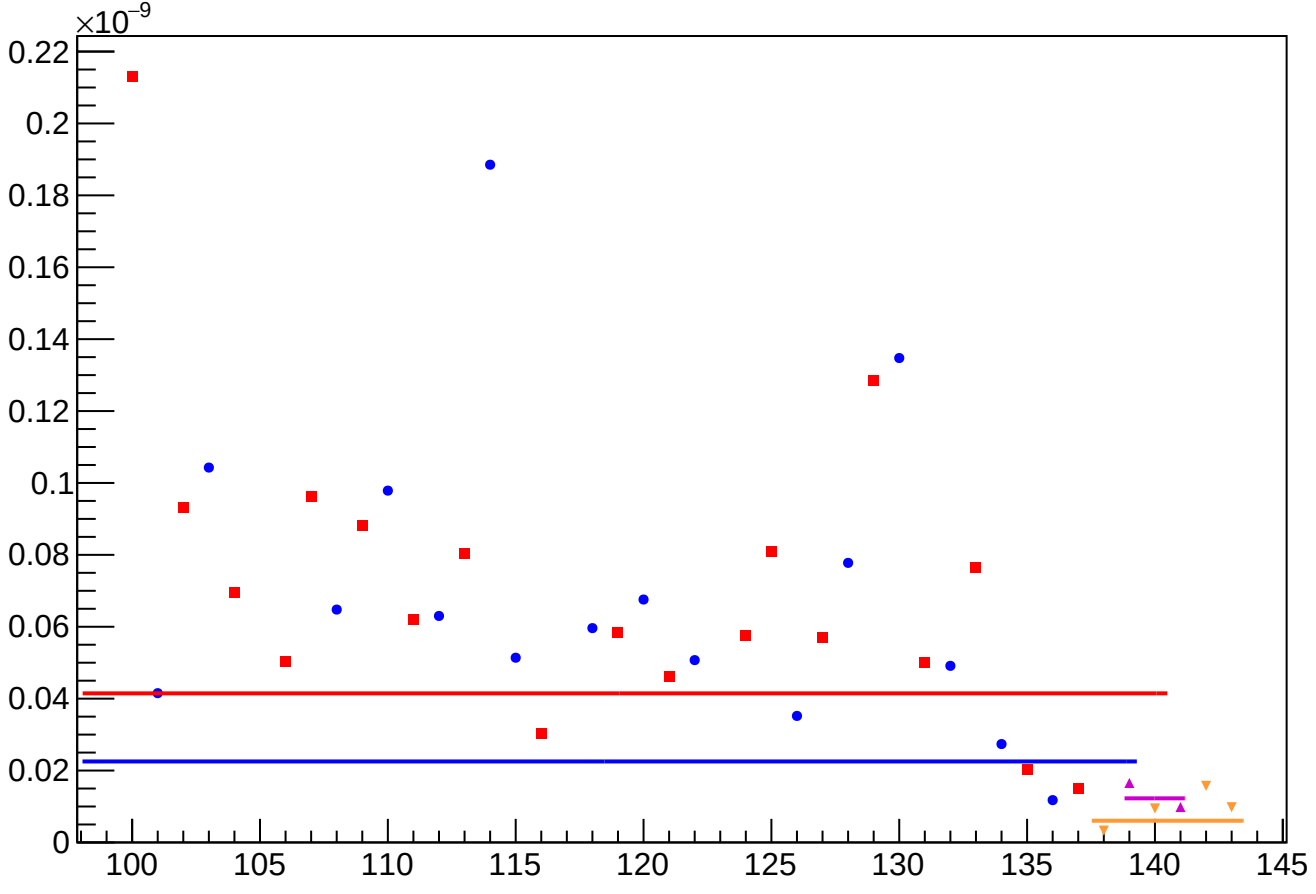
Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.4/19

All: -0.000+/-0.000 χ^2/NDF: 39.5/40

- sign 0.000+/-0.000 χ^2/NDF: 17.5/20

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:463915.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

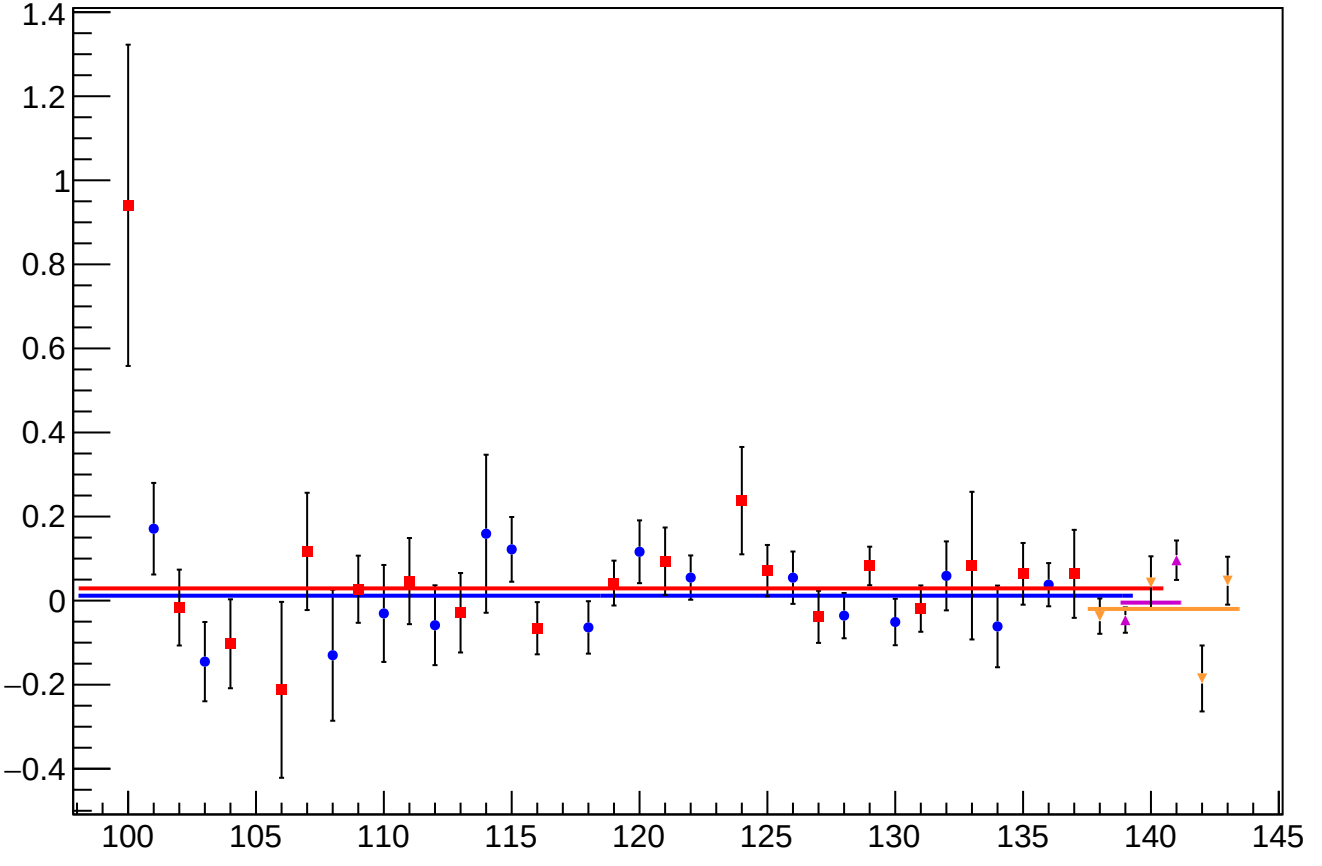
Left In: 0.000+/-0.000 χ^2/NDF:79975.2/1

+ sign 0.000+/-0.000 χ^2/NDF: 4828044.2/19

All: 0.000+/-0.000 χ^2/NDF: 9511272.7/40

- sign 0.000+/-0.000 χ^2/NDF: 3648145.9/20

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: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

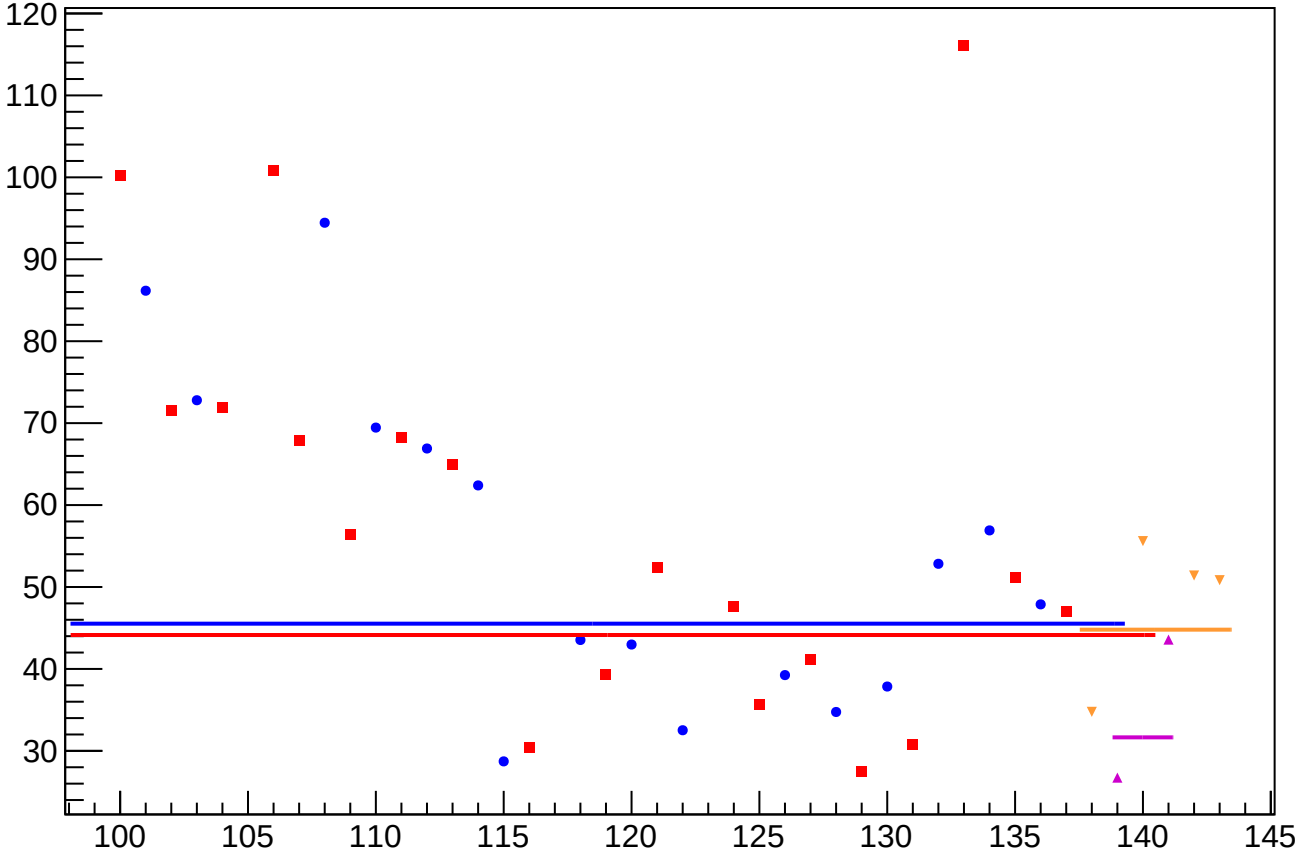
Left In: -0.005+/-0.025 χ^2/NDF:6.5/1

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/19

All: 0.010+/-0.011 χ^2/NDF: 52.6/40

- sign 0.018+/-0.015 χ^2/NDF: 27.3/20

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: 44.793+/-0.020 χ^2/NDF:209921.1/3

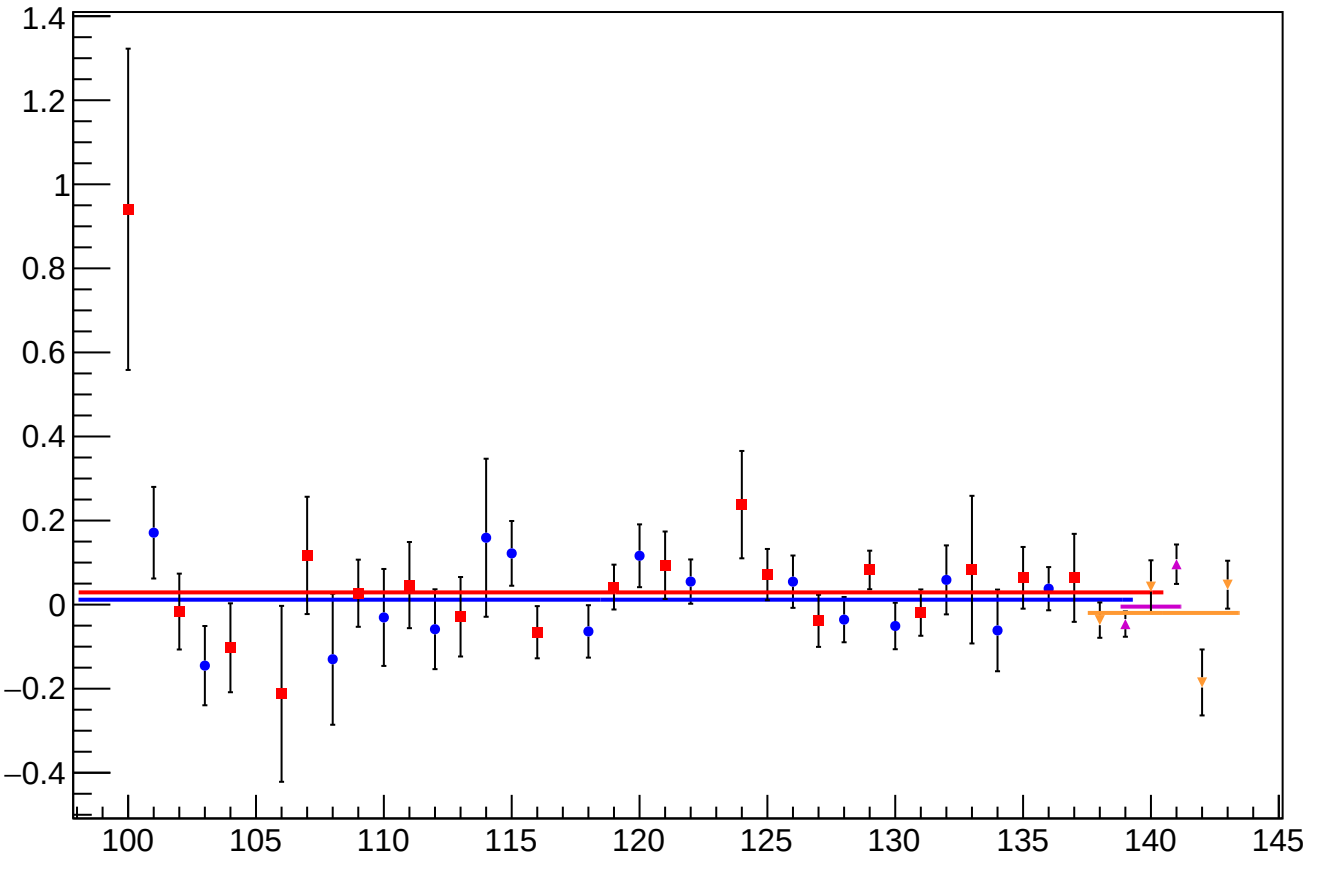
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 31.649+/-0.018 χ^2/NDF:182608.8/1

+ sign 45.304+/-0.011 χ^2/NDF: 1464852.0/19

All: 42.523+/-0.007 χ^2/NDF: 3841568.0/40

- sign 39.988+/-0.010 χ^2/NDF: 2250479.6/20



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.020+/-0.028 χ^2/NDF:7.0/3

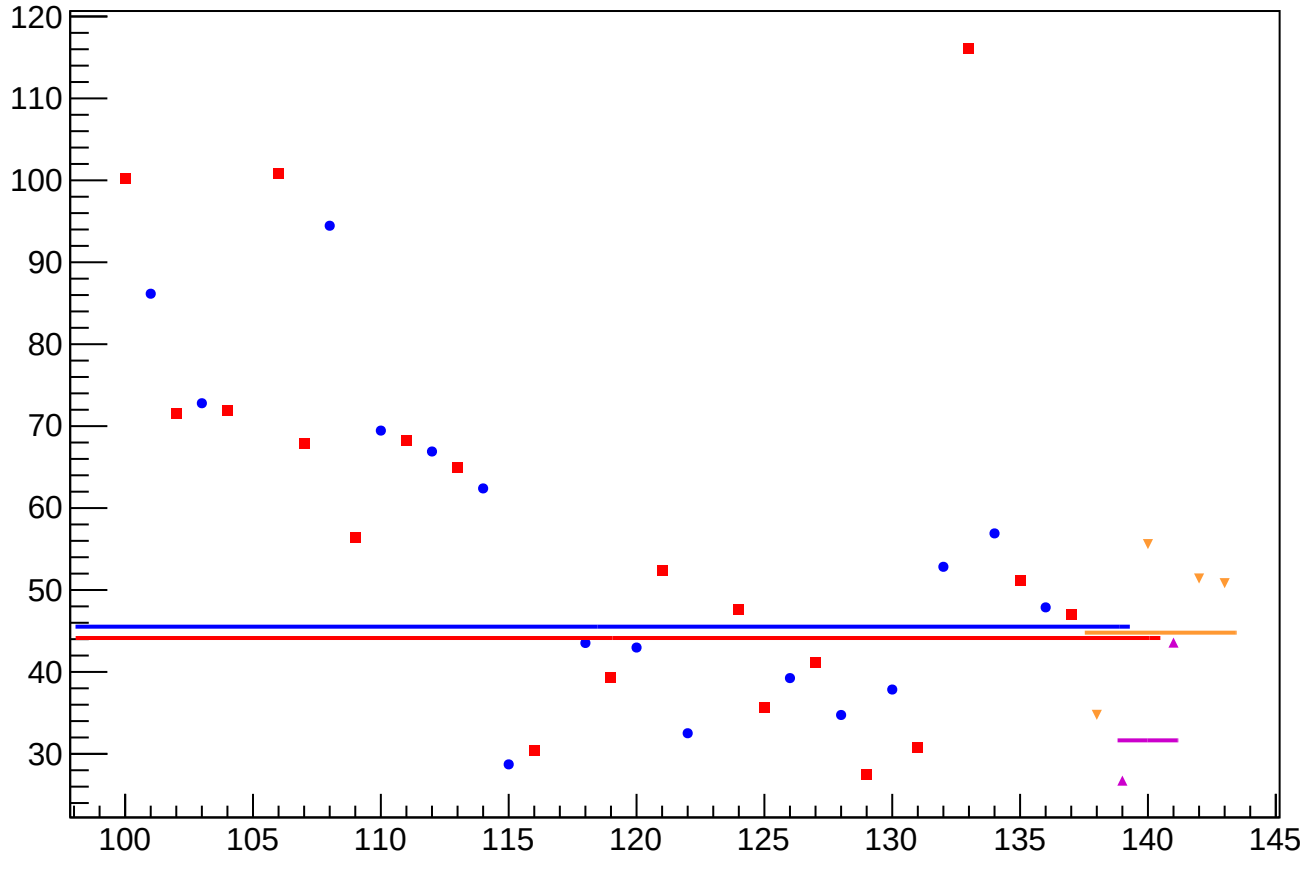
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.025 χ^2/NDF:6.5/1

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/19

All: 0.010+/-0.011 χ^2/NDF: 52.6/40

- sign 0.018+/-0.015 χ^2/NDF: 27.3/20



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.793+/-0.020 χ^2/NDF:209921.1/3

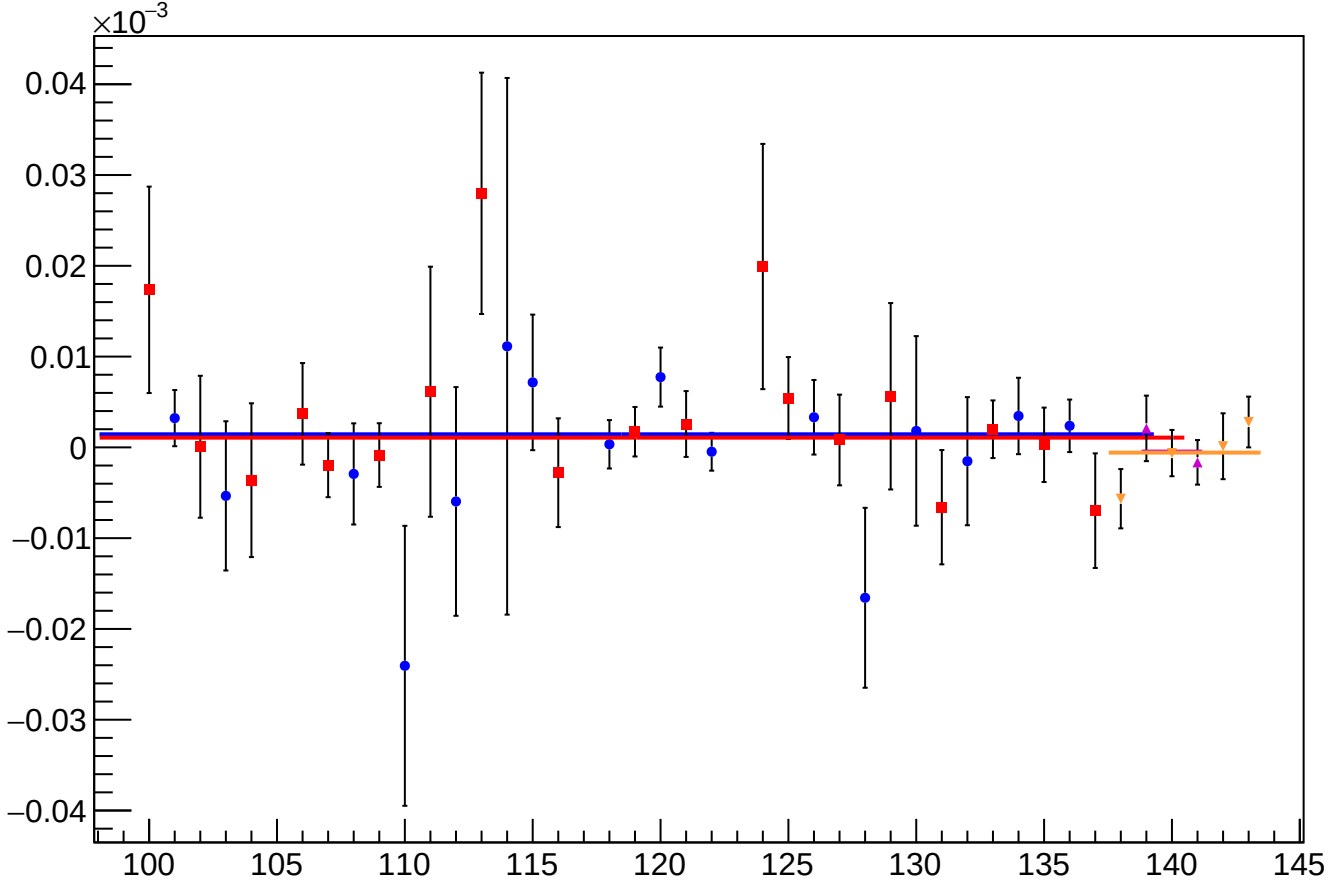
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 31.649+/-0.018 χ^2/NDF:182608.8/1

+ sign 45.304+/-0.011 χ^2/NDF: 1464852.0/19

All: 42.523+/-0.007 χ^2/NDF: 3841568.0/40

- sign 39.988+/-0.010 χ^2/NDF: 2250479.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

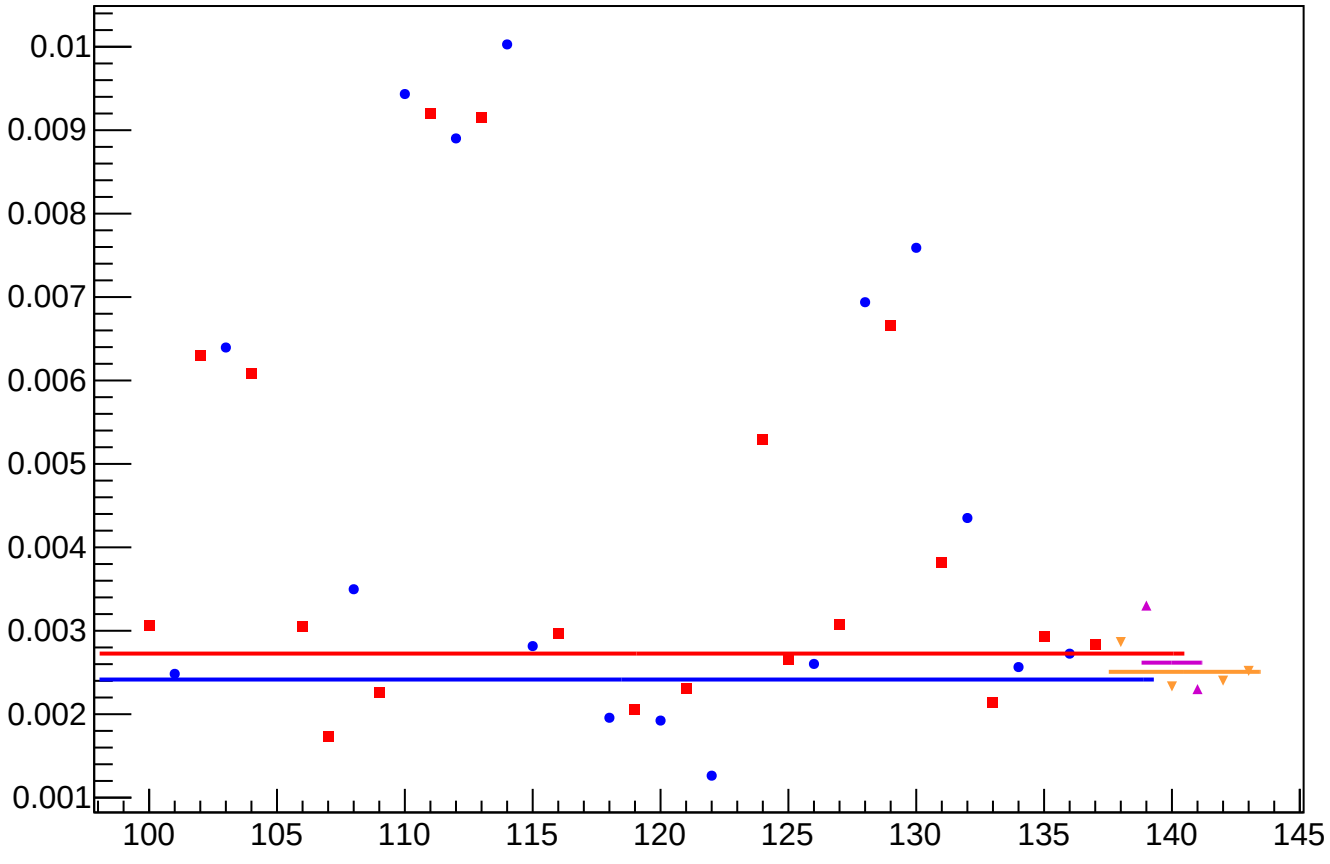
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

+ sign 0.000+/-0.000 χ^2/NDF: 19.3/19

All: 0.000+/-0.000 χ^2/NDF: 35.3/40

- sign 0.000+/-0.000 χ^2/NDF: 16.0/20



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.003+/-0.000 χ^2/NDF:35002.6/3

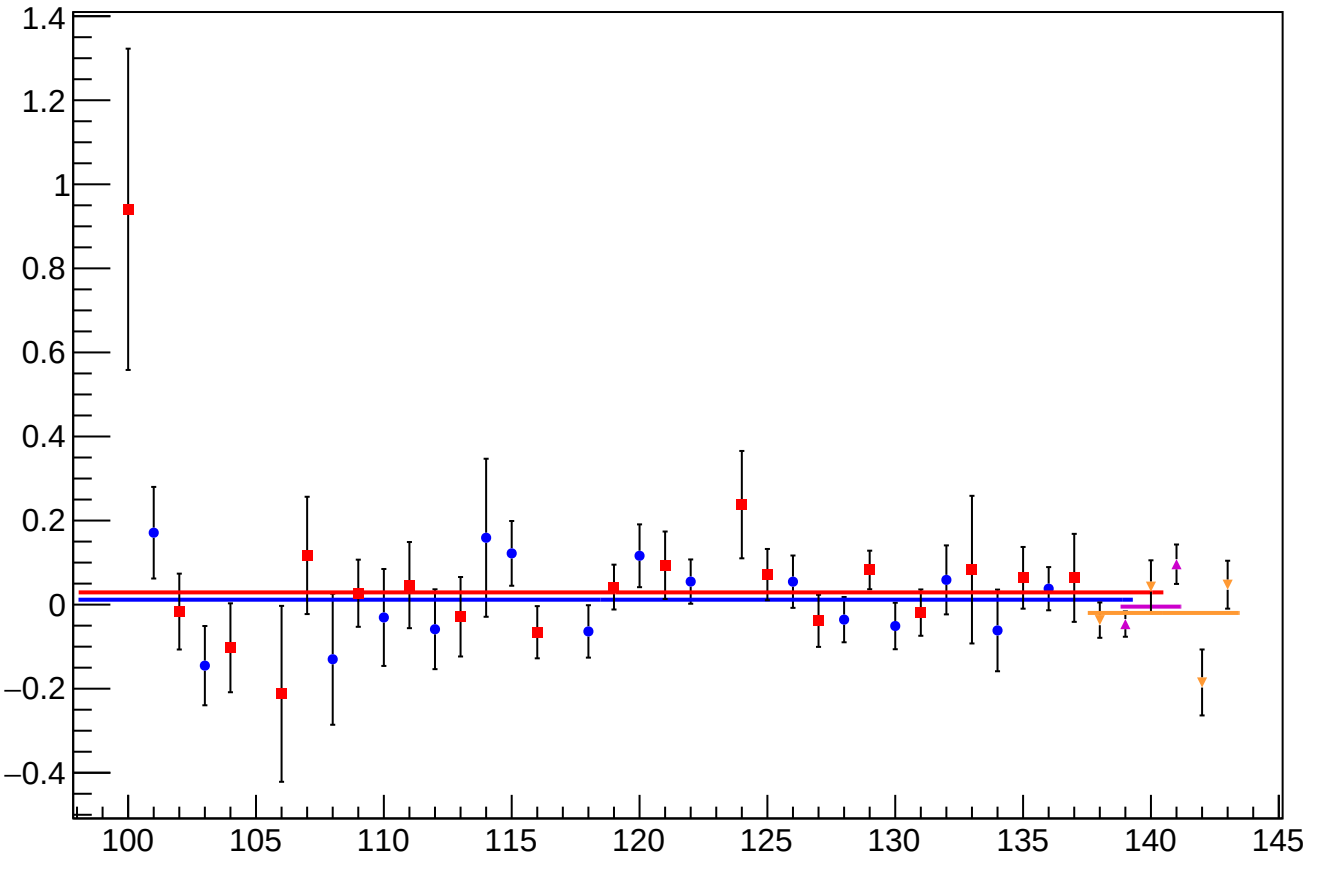
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.003+/-0.000 χ^2/NDF:105240.3/1

+ sign 0.002+/-0.000 χ^2/NDF: 3472280.5/19

All: 0.003+/-0.000 χ^2/NDF: 6163959.3/40

- sign 0.003+/-0.000 χ^2/NDF: 2614722.4/20



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.020+/-0.028 χ^2/NDF:7.0/3

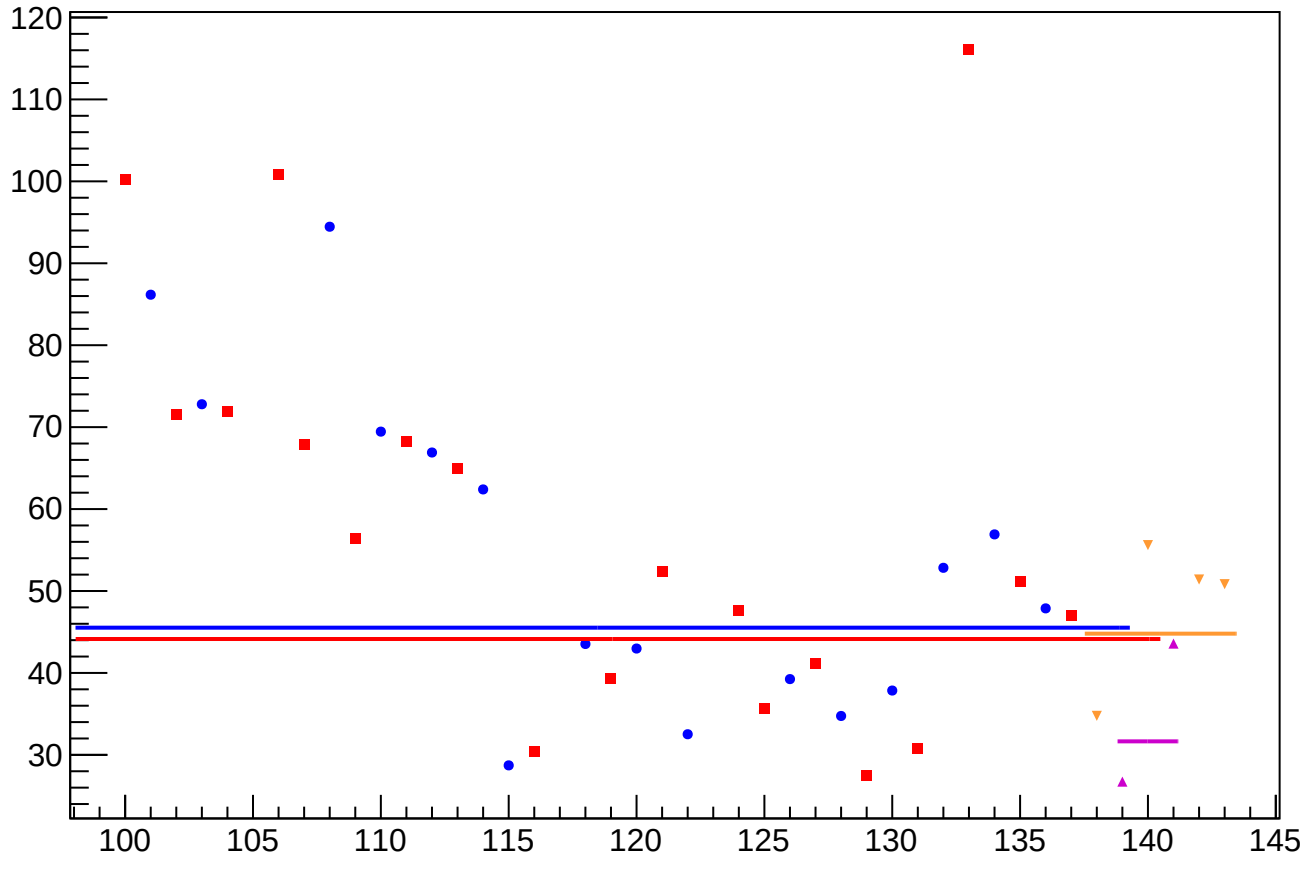
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.025 χ^2/NDF:6.5/1

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/19

All: 0.010+/-0.011 χ^2/NDF: 52.6/40

- sign 0.018+/-0.015 χ^2/NDF: 27.3/20



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.793+/-0.020 χ^2/NDF:209938.4/3

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

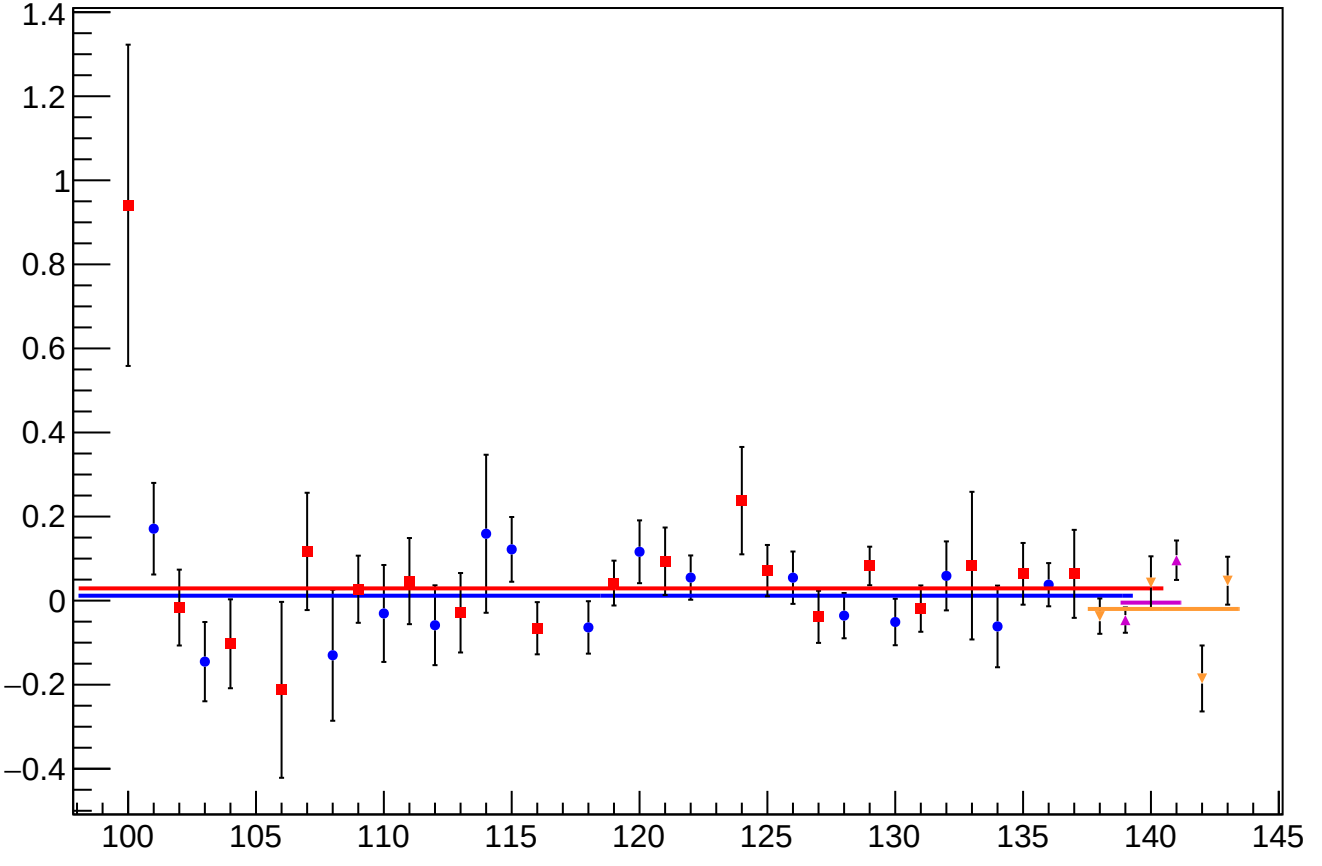
Left In: 31.649+/-0.018 χ^2/NDF:182617.4/1

+ sign 45.304+/-0.011 χ^2/NDF: 1464823.9/19

All: 42.523+/-0.007 χ^2/NDF: 3841465.7/40

- sign 39.989+/-0.010 χ^2/NDF: 2250419.0/20

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: -0.020+/-0.028 χ^2/NDF:7.0/3

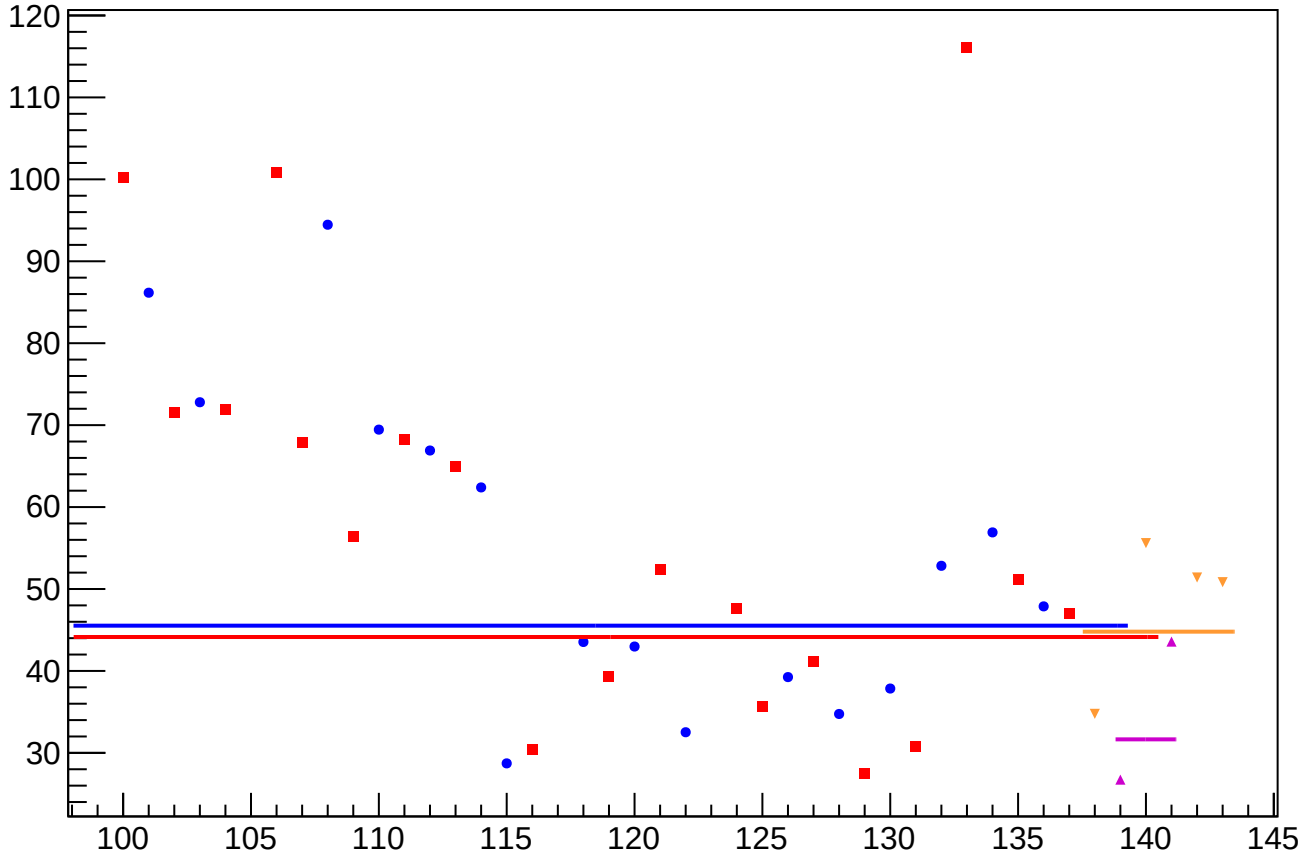
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.025 χ^2/NDF:6.5/1

+ sign 0.002+/-0.015 χ^2/NDF: 24.7/19

All: 0.010+/-0.011 χ^2/NDF: 52.6/40

- sign 0.018+/-0.015 χ^2/NDF: 27.3/20



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.793+/-0.020 χ^2/NDF:209938.4/3

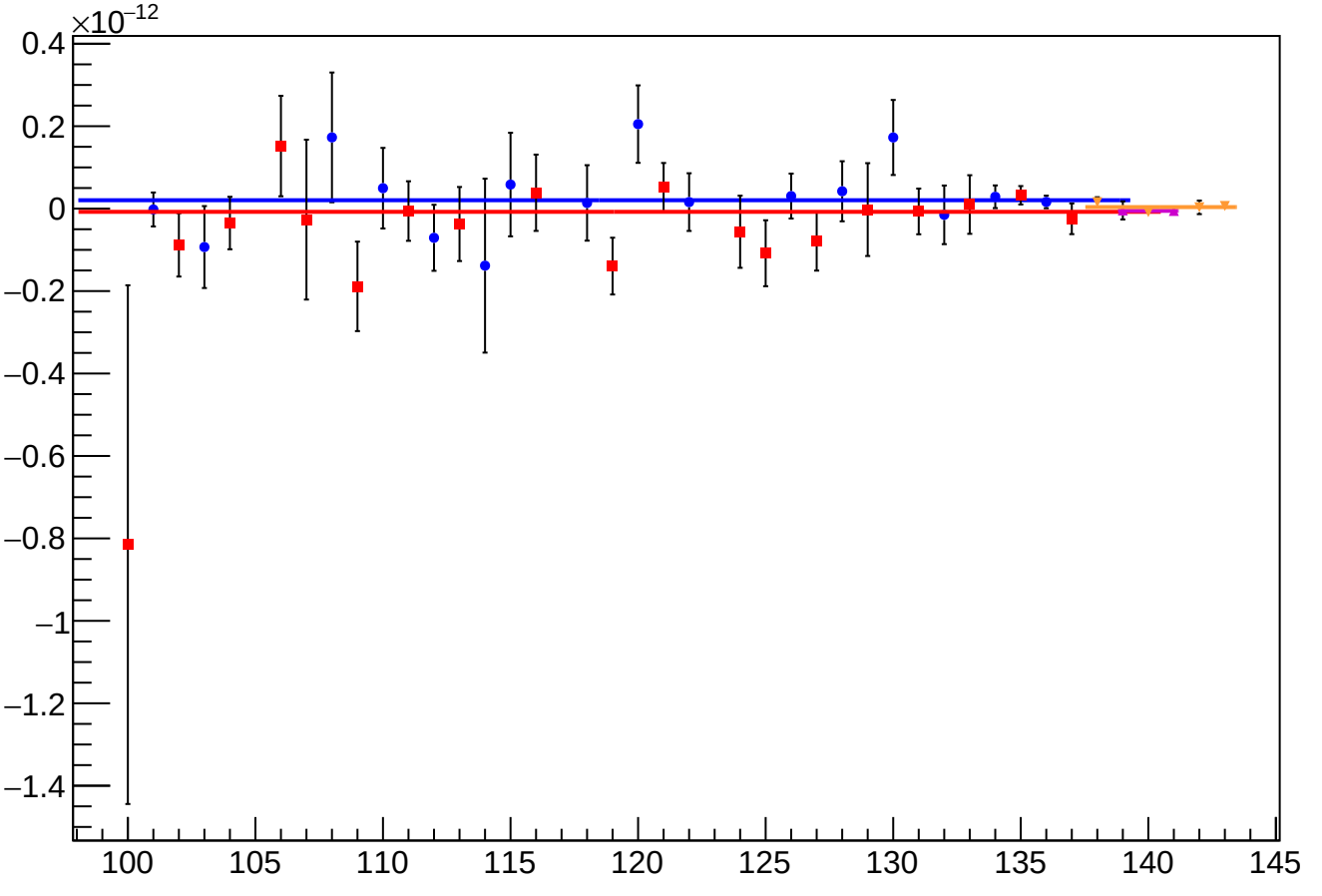
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 31.649+/-0.018 χ^2/NDF:182617.4/1

+ sign 45.304+/-0.011 χ^2/NDF: 1464823.9/19

All: 42.523+/-0.007 χ^2/NDF: 3841465.7/40

- sign 39.989+/-0.010 χ^2/NDF: 2250419.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

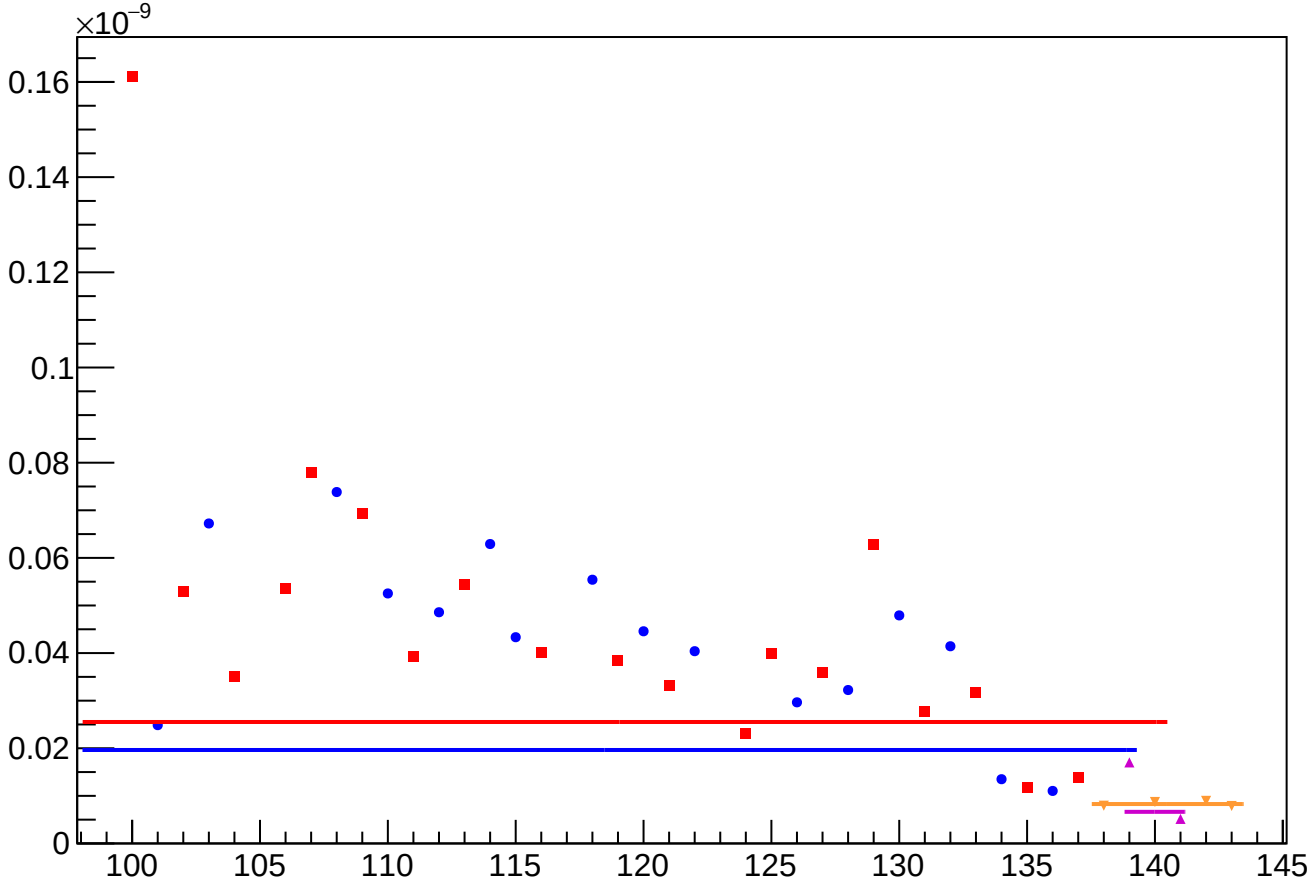
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 15.7/19

All: 0.000+/-0.000 χ^2/NDF: 36.9/40

- sign -0.000+/-0.000 χ^2/NDF: 18.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10799.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

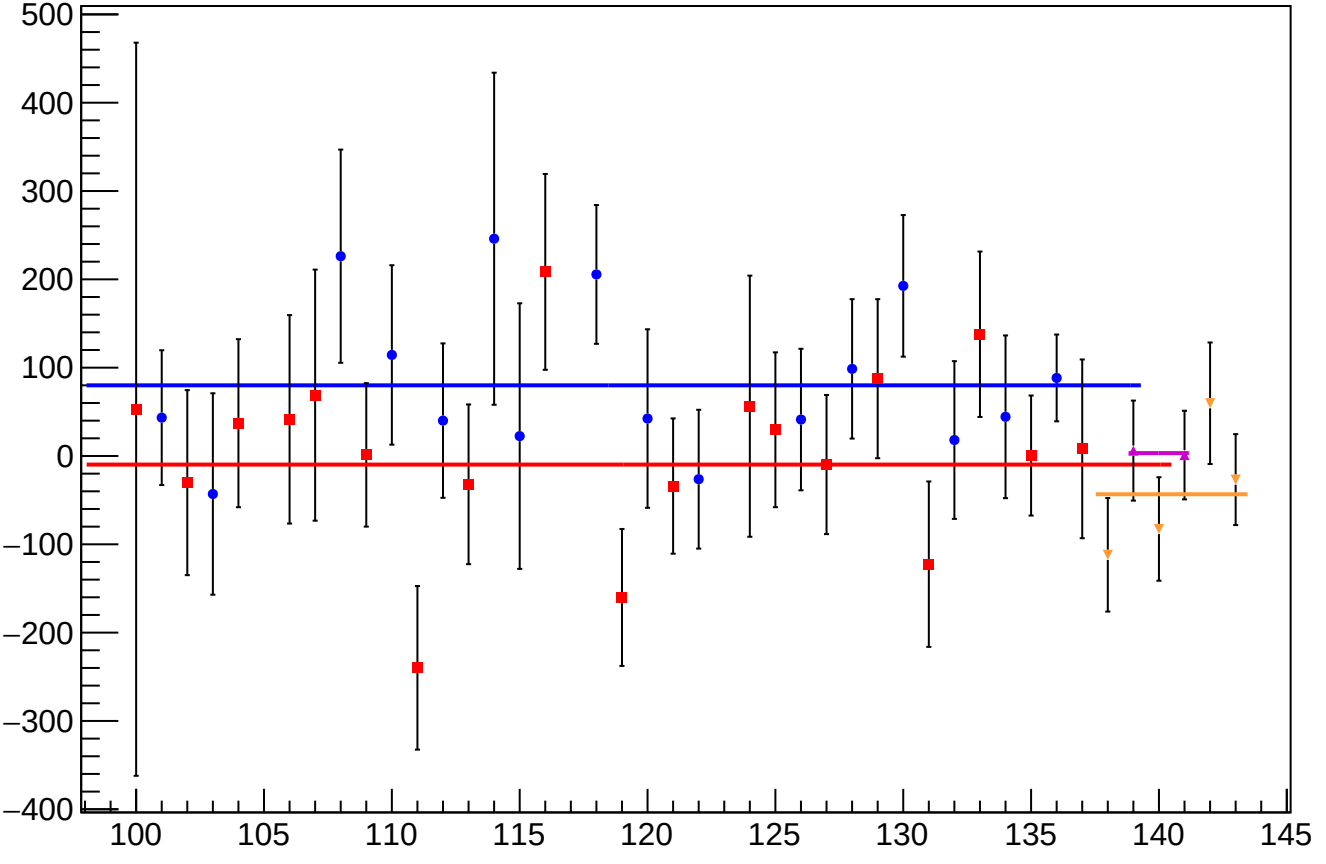
Left In: 0.000+/-0.000 χ^2/NDF:510571.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 4842076.7/19

All: 0.000+/-0.000 χ^2/NDF: 10934864.1/40

- sign 0.000+/-0.000 χ^2/NDF: 6089592.5/20

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.342+/-29.858 χ^2/NDF:3.9/3

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

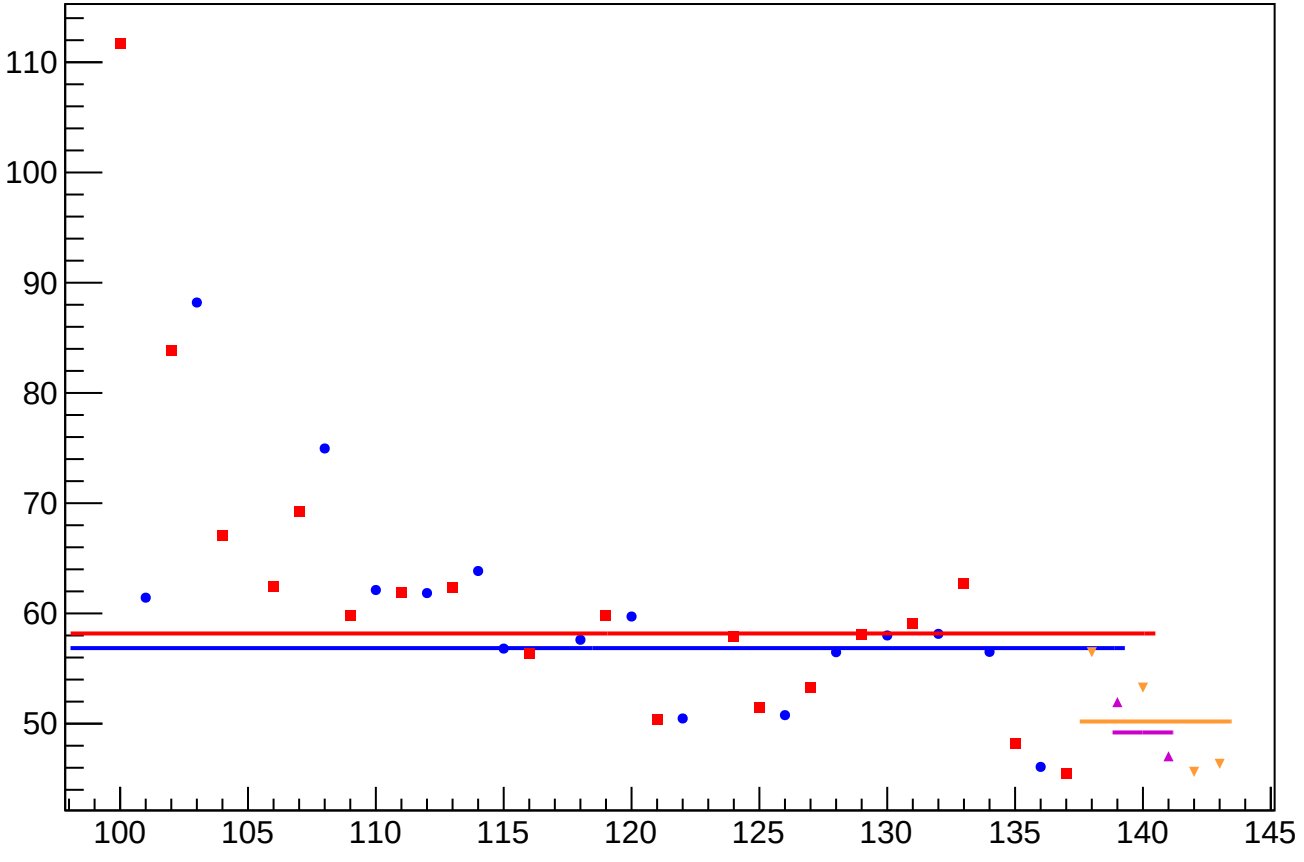
Left In: 3.255+/-37.553 χ^2/NDF:0.0/1

\+ sign 37.945+/-17.434 χ^2/NDF: 26.7/19

All: 17.321+/-12.763 χ^2/NDF: 50.2/40

\- sign -6.498+/-18.735 χ^2/NDF: 20.4/20

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

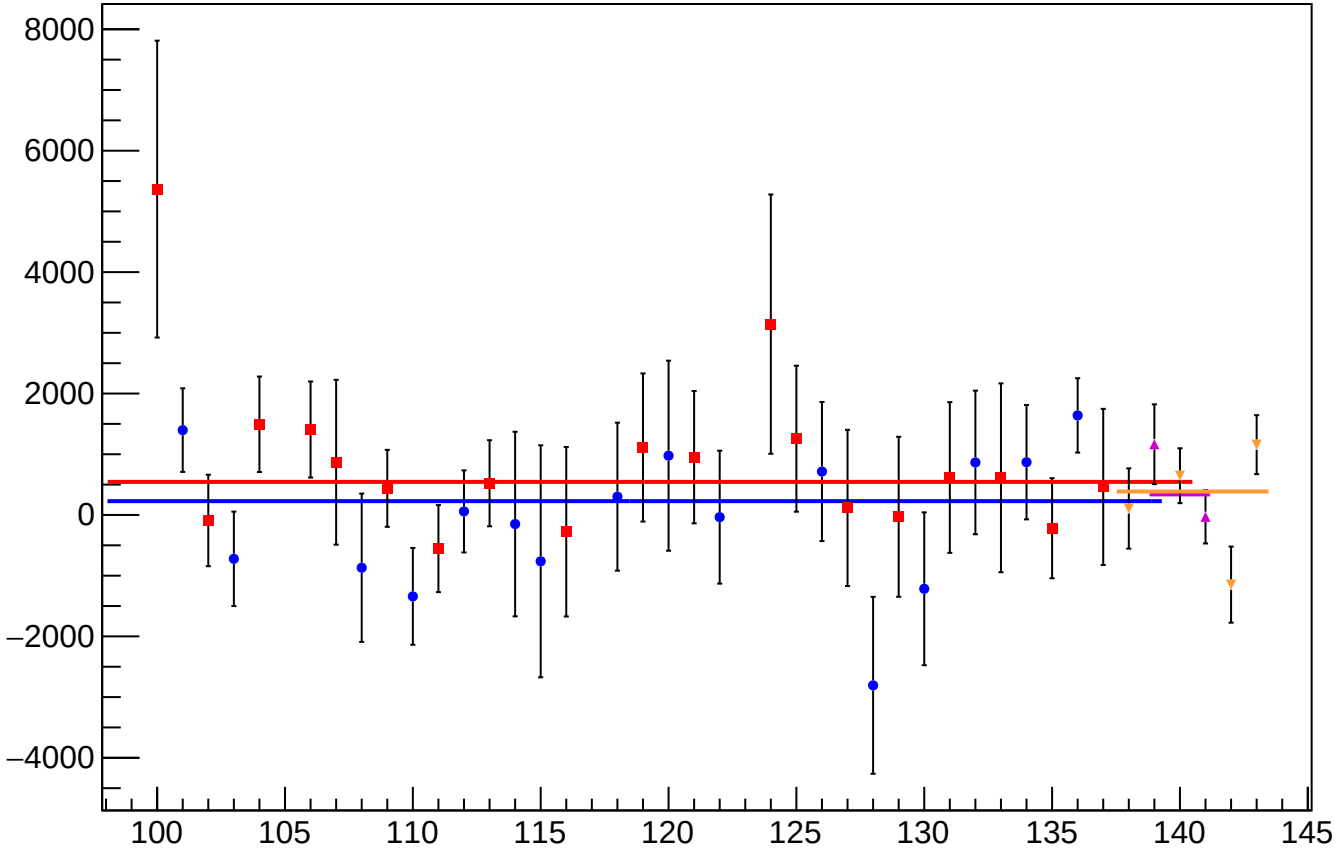
Left In: 49.203+/-0.027 χ^2/NDF:8436.6/1

+ sign 54.585+/-0.012 χ^2/NDF: 451666.9/19

All: 55.217+/-0.009 χ^2/NDF: 866301.1/40

- sign 55.947+/-0.013 χ^2/NDF: 408968.6/20

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 386.304+/-267.633 χ^2/NDF:9.0/3

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

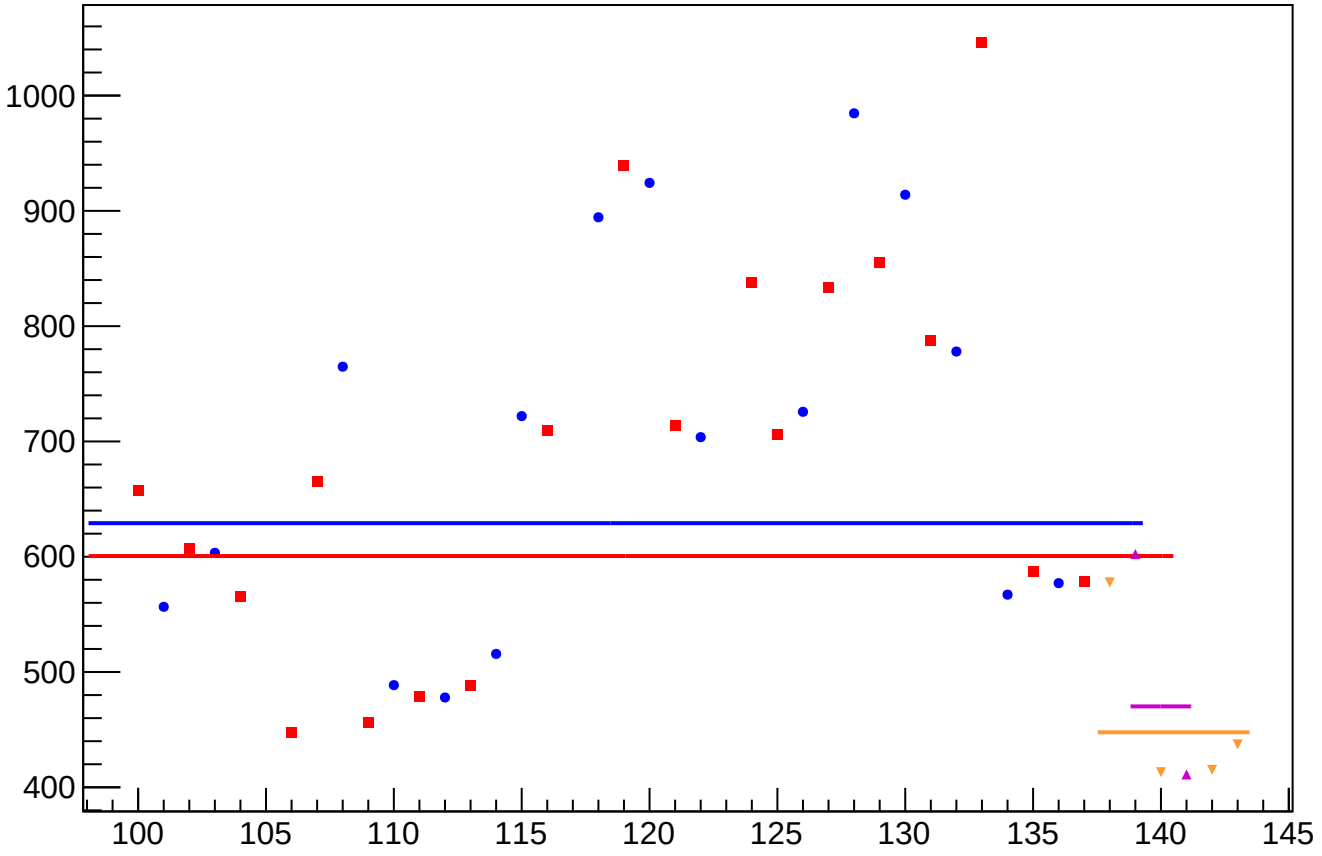
Left In: 338.471+/-364.991 χ^2/NDF:2.3/1

+ sign 298.687+/-179.183 χ^2/NDF: 30.8/19

All: 385.971+/-131.286 χ^2/NDF: 47.3/40

- sign 487.141+/-192.909 χ^2/NDF: 15.9/20

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 447.731+/-0.189 χ^2/NDF:95334.2/3

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

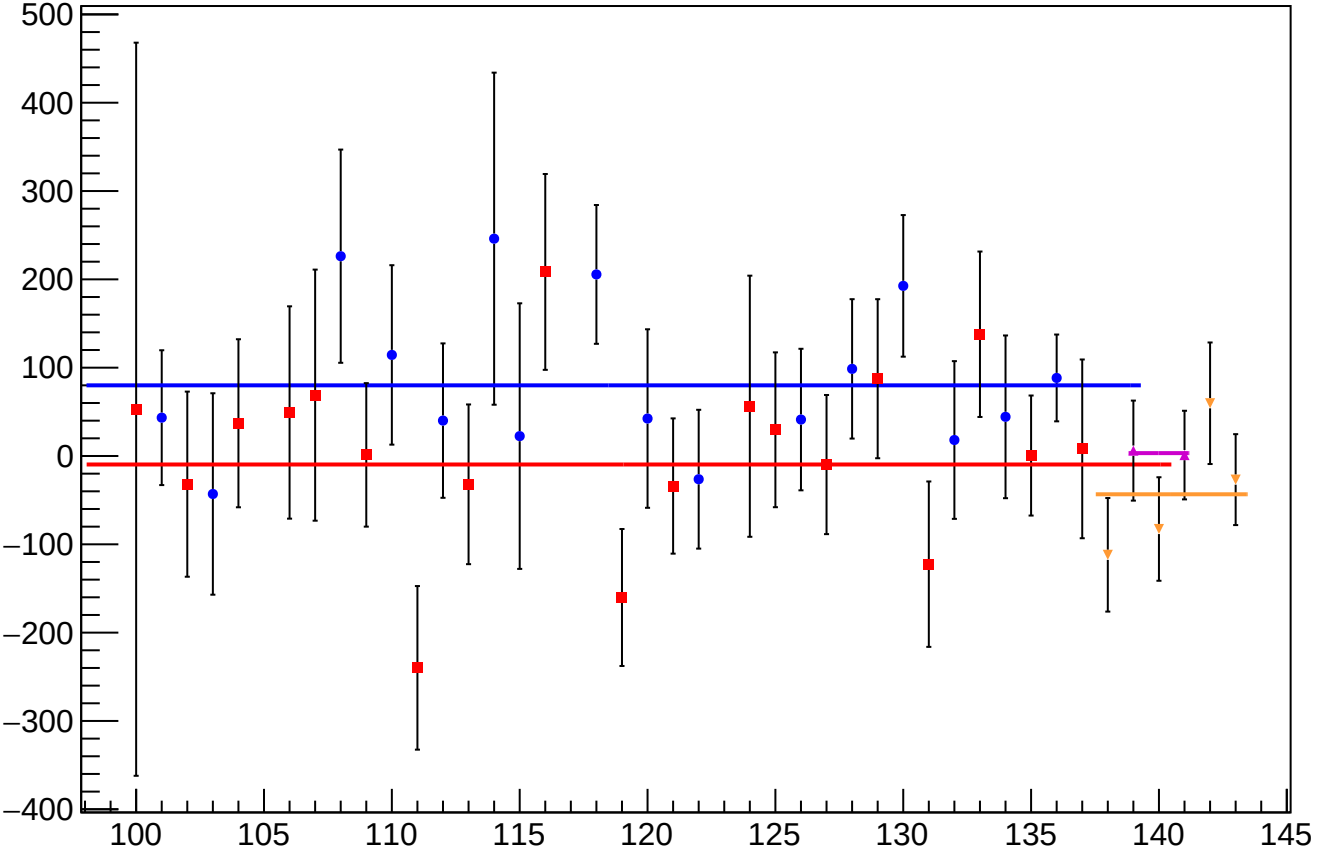
Left In: 470.178+/-0.258 χ^2/NDF:117128.4/1

+ sign 547.800+/-0.127 χ^2/NDF: 1294822.6/19

All: 555.378+/-0.093 χ^2/NDF: 2478302.3/40

- sign 564.162+/-0.136 χ^2/NDF: 1175755.7/20

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.348+/-29.858 χ^2/NDF:3.9/3

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

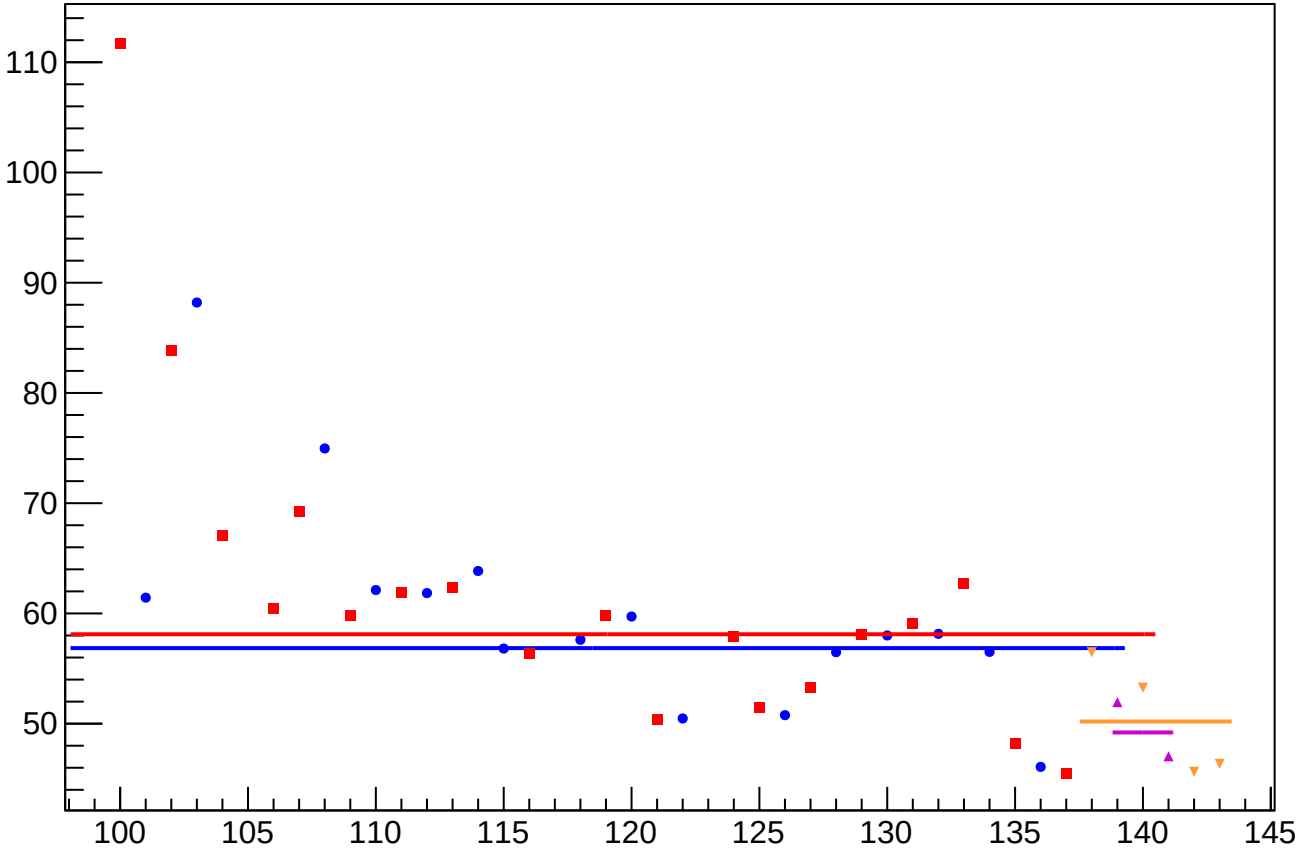
Left In: 3.256+/-37.553 χ^2/NDF:0.0/1

+ sign 37.947+/-17.434 χ^2/NDF: 26.7/19

All: 17.372+/-12.766 χ^2/NDF: 50.2/40

- sign -6.411+/-18.744 χ^2/NDF: 20.5/20

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

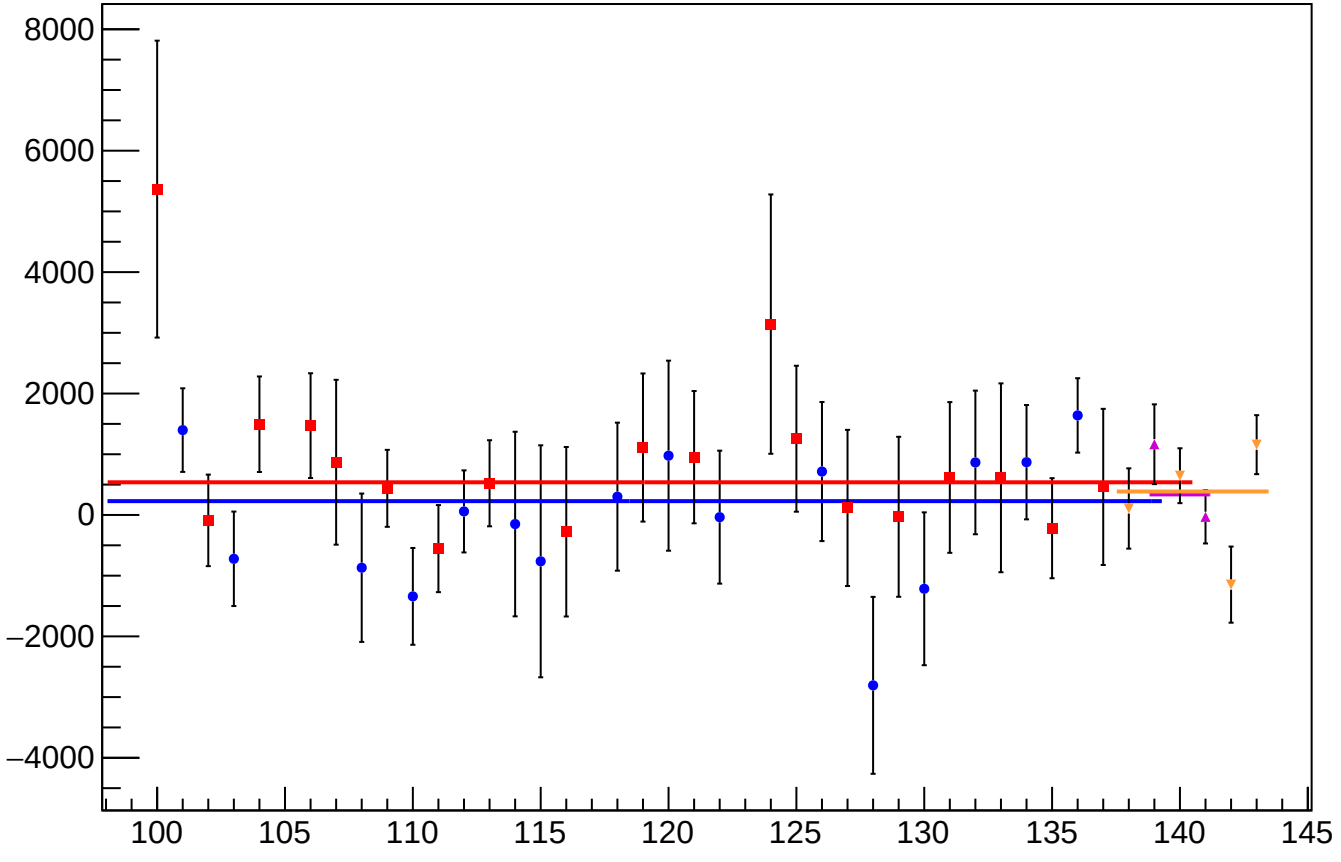
Left In: 49.203+/-0.027 χ^2/NDF:8436.6/1

+ sign 54.585+/-0.012 χ^2/NDF: 451670.8/19

All: 55.191+/-0.009 χ^2/NDF: 862756.3/40

- sign 55.892+/-0.013 χ^2/NDF: 405872.6/20

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 386.296+/-267.633 χ^2/NDF:9.0/3

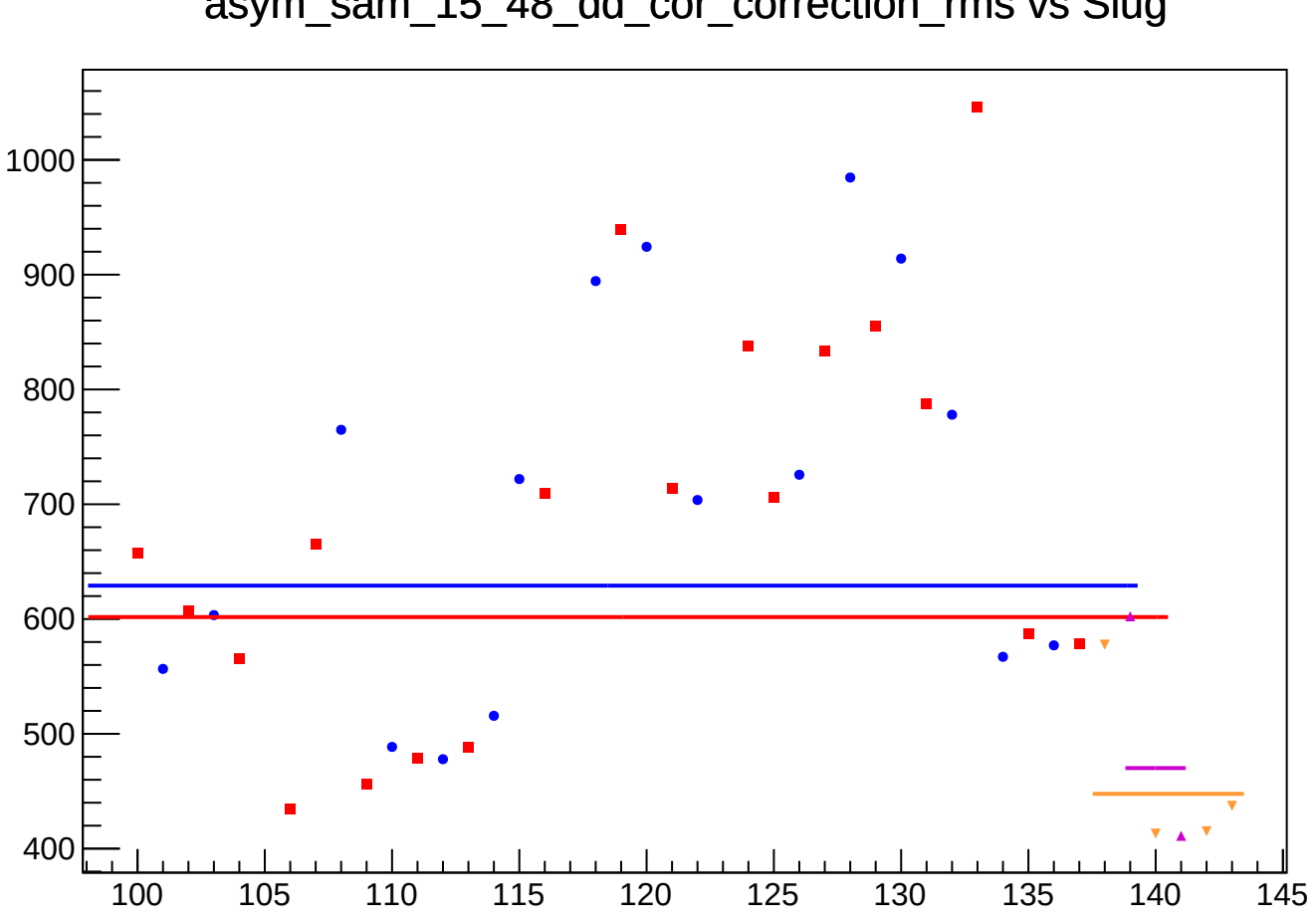
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 338.480+/-364.992 χ^2/NDF:2.3/1

\+ sign 298.706+/-179.183 χ^2/NDF: 30.8/19

All: 383.081+/-131.576 χ^2/NDF: 47.2/40

\- sign 481.814+/-193.832 χ^2/NDF: 15.8/20



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 447.730+/-0.189 χ^2/NDF:95333.9/3

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

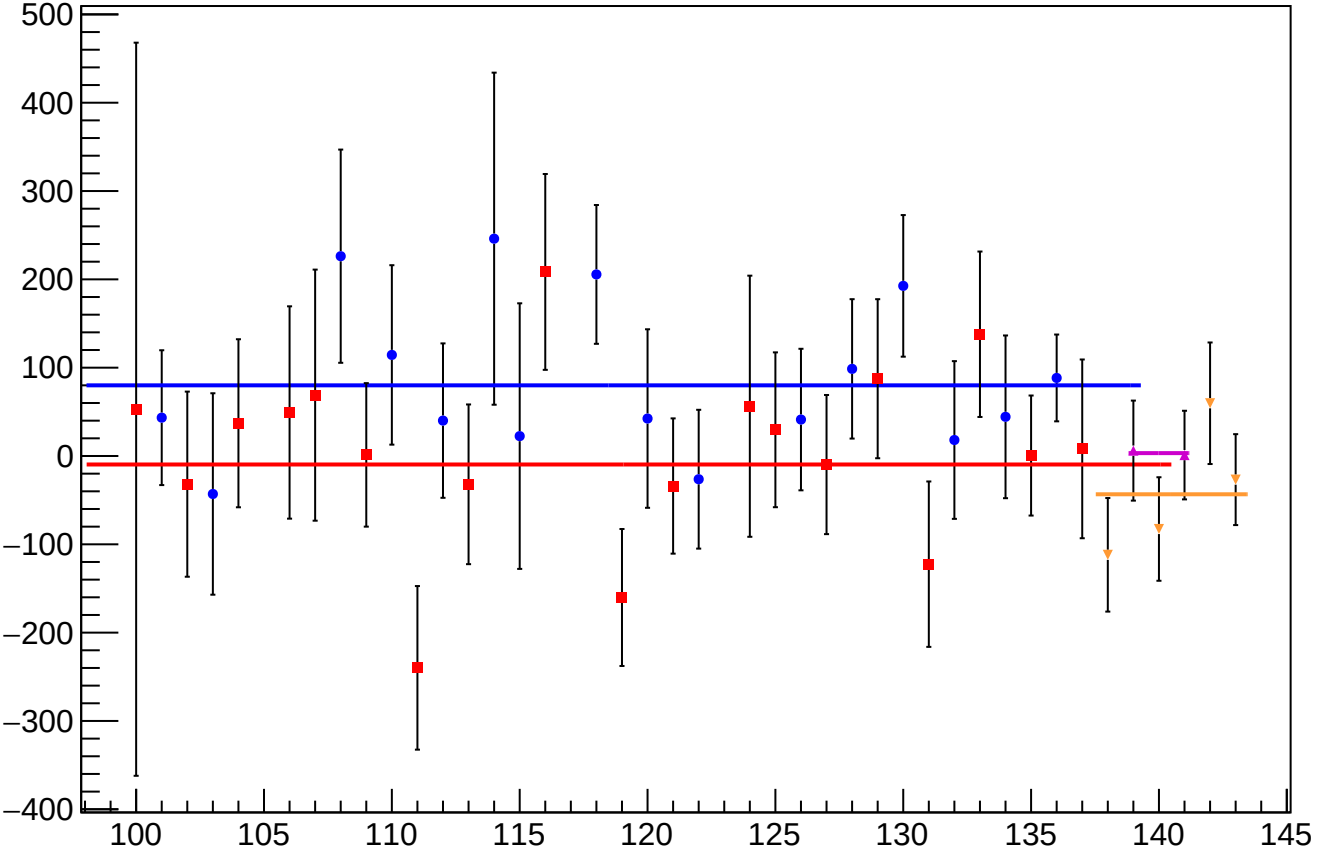
Left In: 470.178+/-0.258 χ^2/NDF:117127.1/1

+ sign 547.802+/-0.127 χ^2/NDF: 1294839.4/19

All: 555.553+/-0.093 χ^2/NDF: 2480641.4/40

- sign 564.623+/-0.137 χ^2/NDF: 1177680.5/20

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.348+/-29.858 χ^2/NDF:3.9/3

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

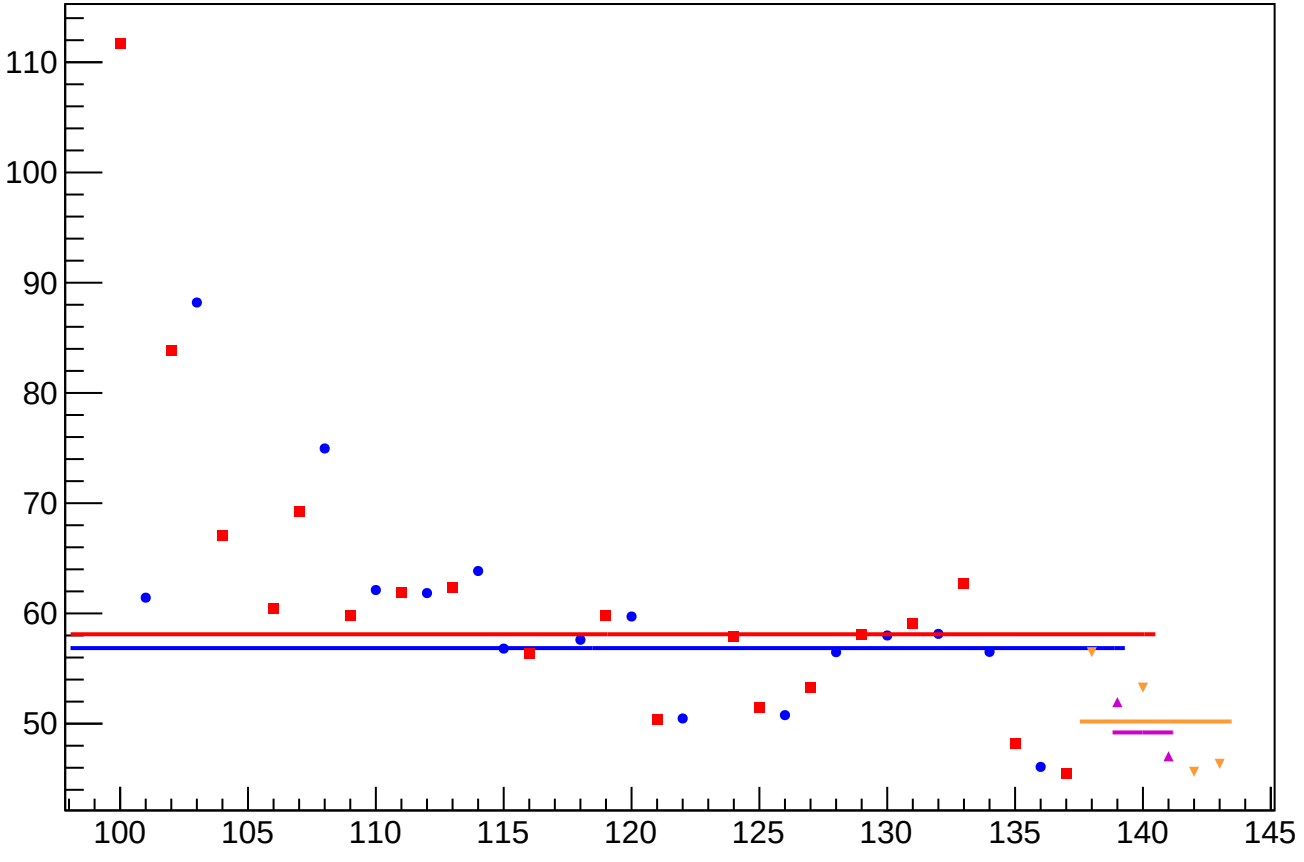
Left In: 3.256+/-37.553 χ^2/NDF:0.0/1

+ sign 37.947+/-17.434 χ^2/NDF: 26.7/19

All: 17.372+/-12.766 χ^2/NDF: 50.2/40

- sign -6.411+/-18.744 χ^2/NDF: 20.5/20

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

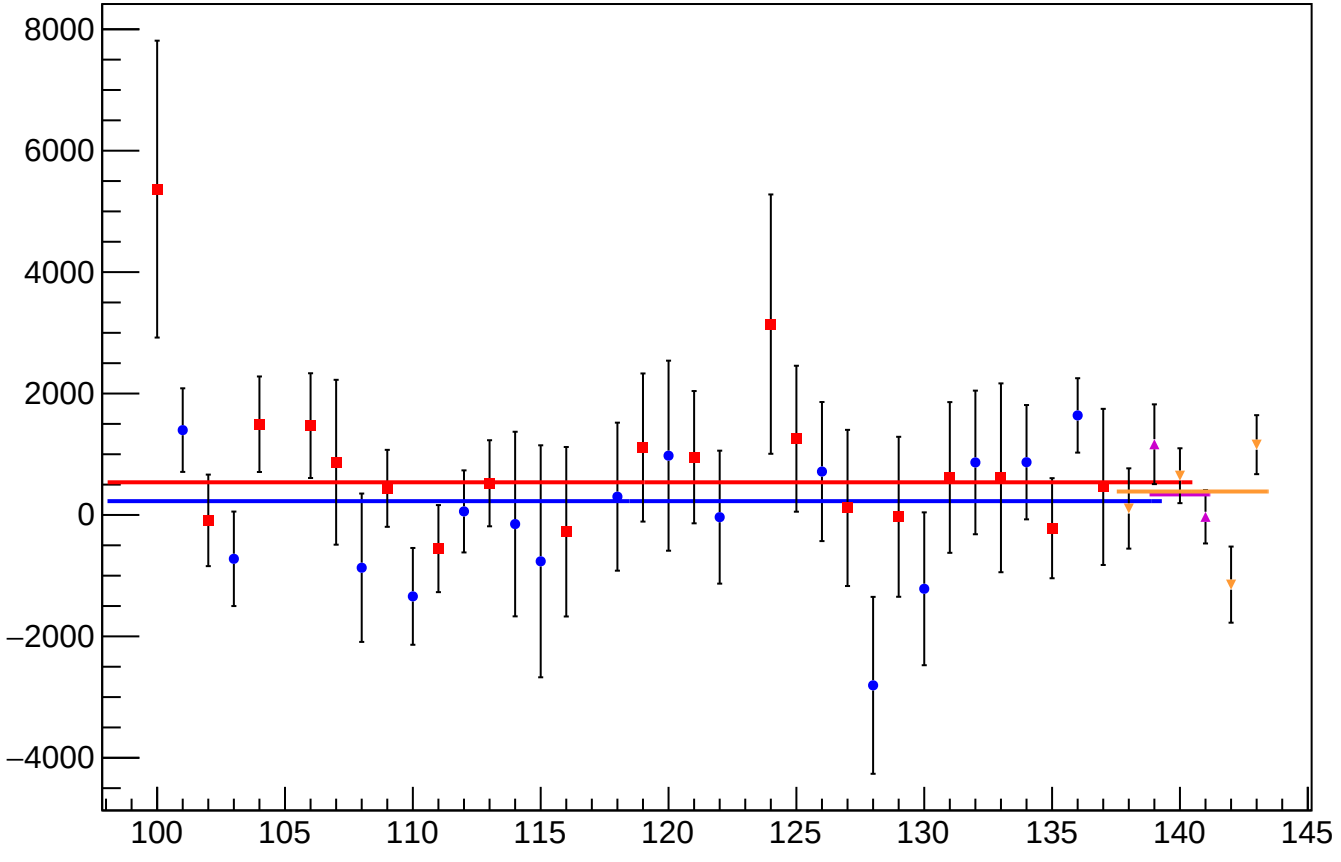
Left In: 49.203+/-0.027 χ^2/NDF:8436.6/1

+ sign 54.585+/-0.012 χ^2/NDF: 451670.8/19

All: 55.191+/-0.009 χ^2/NDF: 862756.3/40

- sign 55.892+/-0.013 χ^2/NDF: 405872.6/20

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 386.296+/-267.633 χ^2/NDF:9.0/3

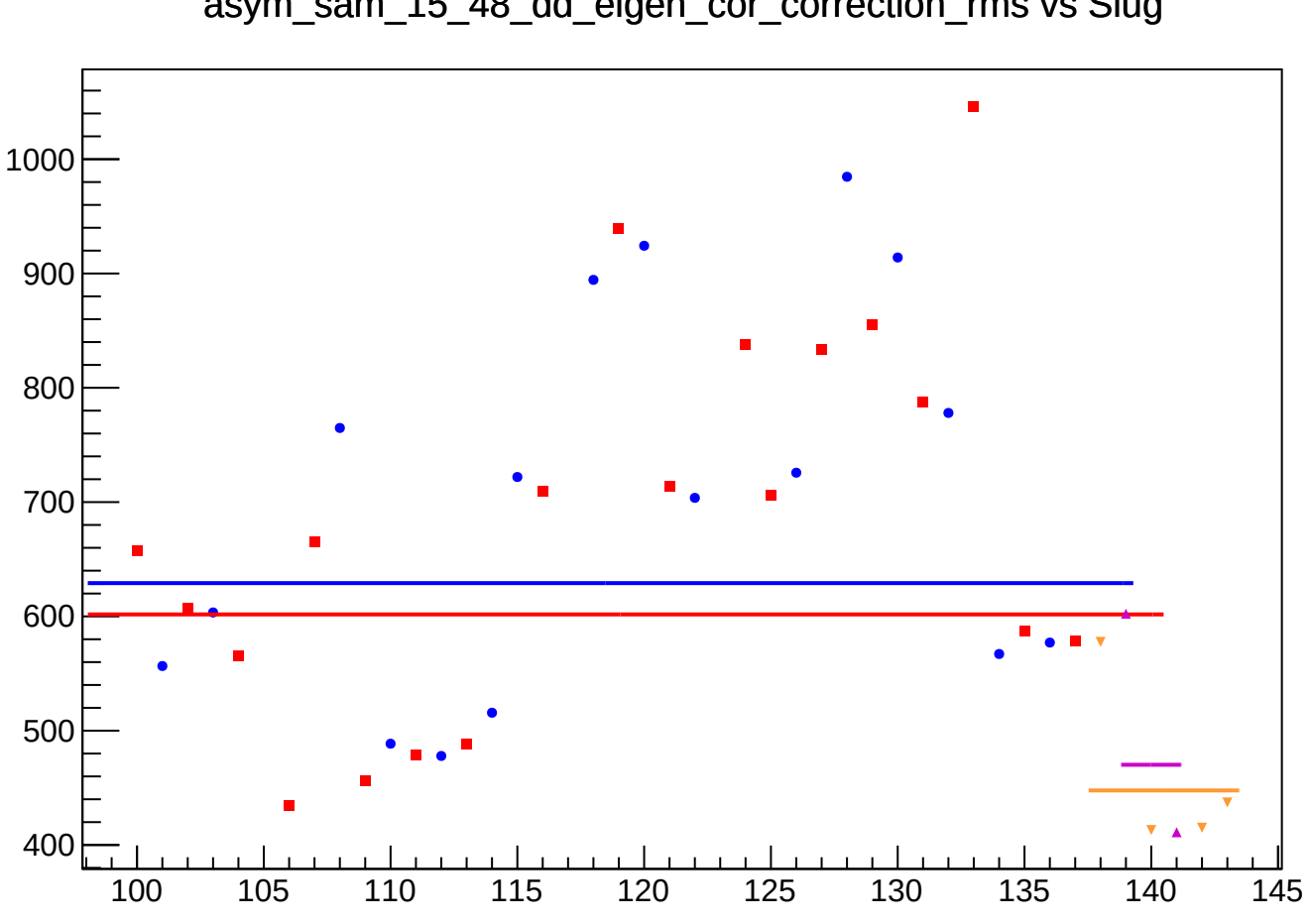
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 338.480+/-364.992 χ^2/NDF:2.3/1

\+ sign 298.706+/-179.183 χ^2/NDF: 30.8/19

All: 383.081+/-131.576 χ^2/NDF: 47.2/40

\- sign 481.814+/-193.832 χ^2/NDF: 15.8/20



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 447.730+/-0.189 χ^2/NDF:95333.9/3

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

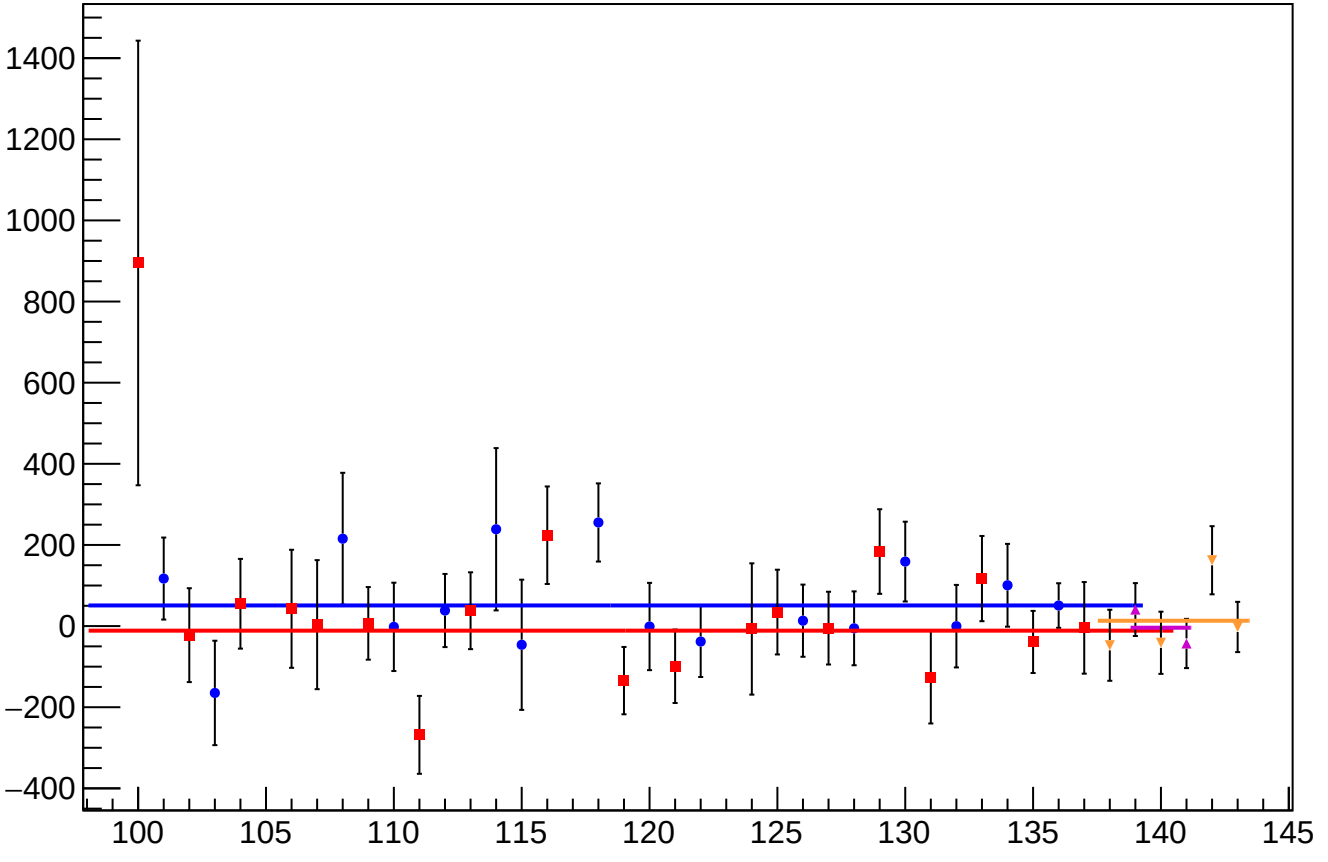
Left In: 470.178+/-0.258 χ^2/NDF:117127.1/1

+ sign 547.802+/-0.127 χ^2/NDF: 1294839.4/19

All: 555.553+/-0.093 χ^2/NDF: 2480641.4/40

- sign 564.623+/-0.137 χ^2/NDF: 1177680.5/20

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: 13.169+/-37.718 χ^2/NDF:4.2/3

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

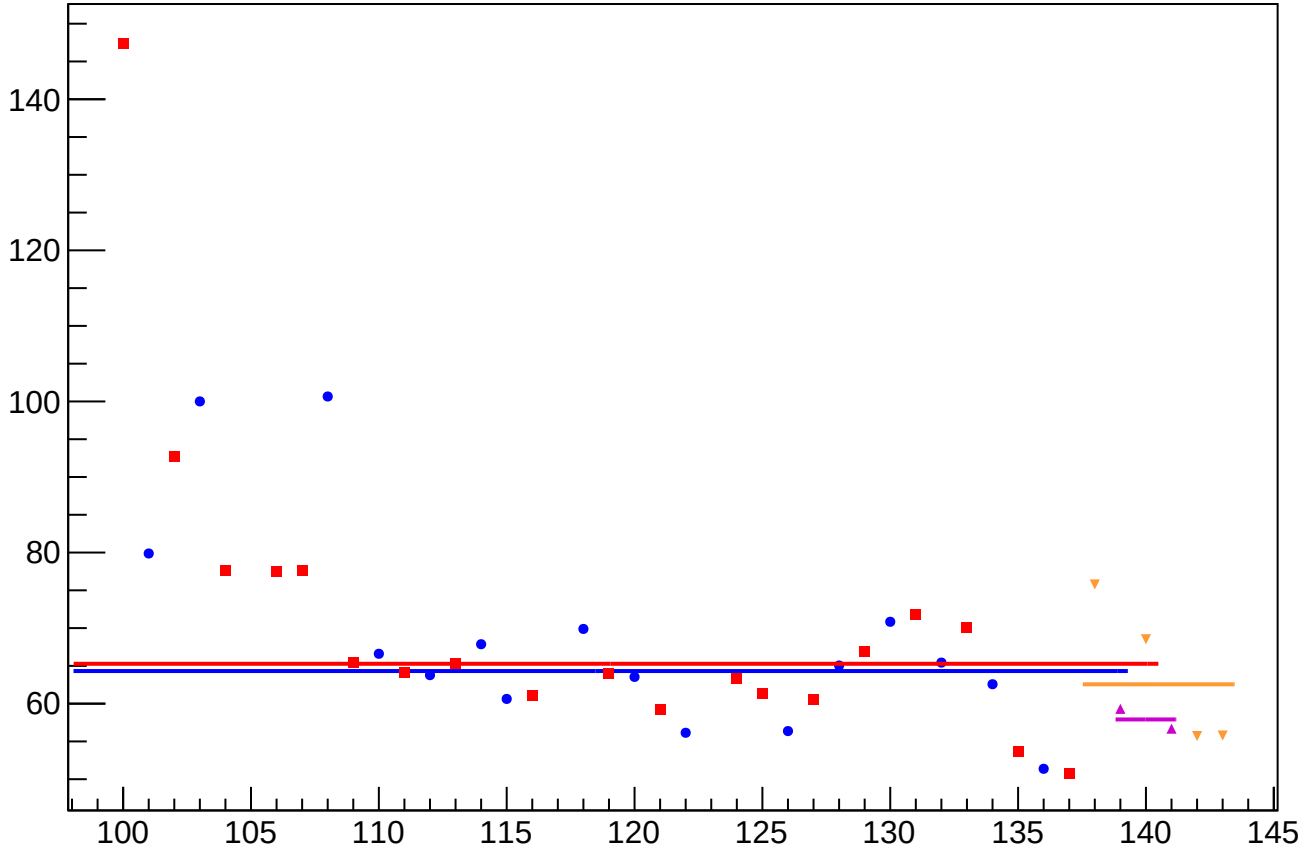
Left In: -4.043+/-44.410 χ^2/NDF:0.9/1

+ sign 39.682+/-20.541 χ^2/NDF: 18.7/19

All: 15.975+/-14.797 χ^2/NDF: 46.4/40

- sign -9.595+/-21.334 χ^2/NDF: 24.9/20

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 62.560+/-0.027 χ^2/NDF:94915.3/3

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

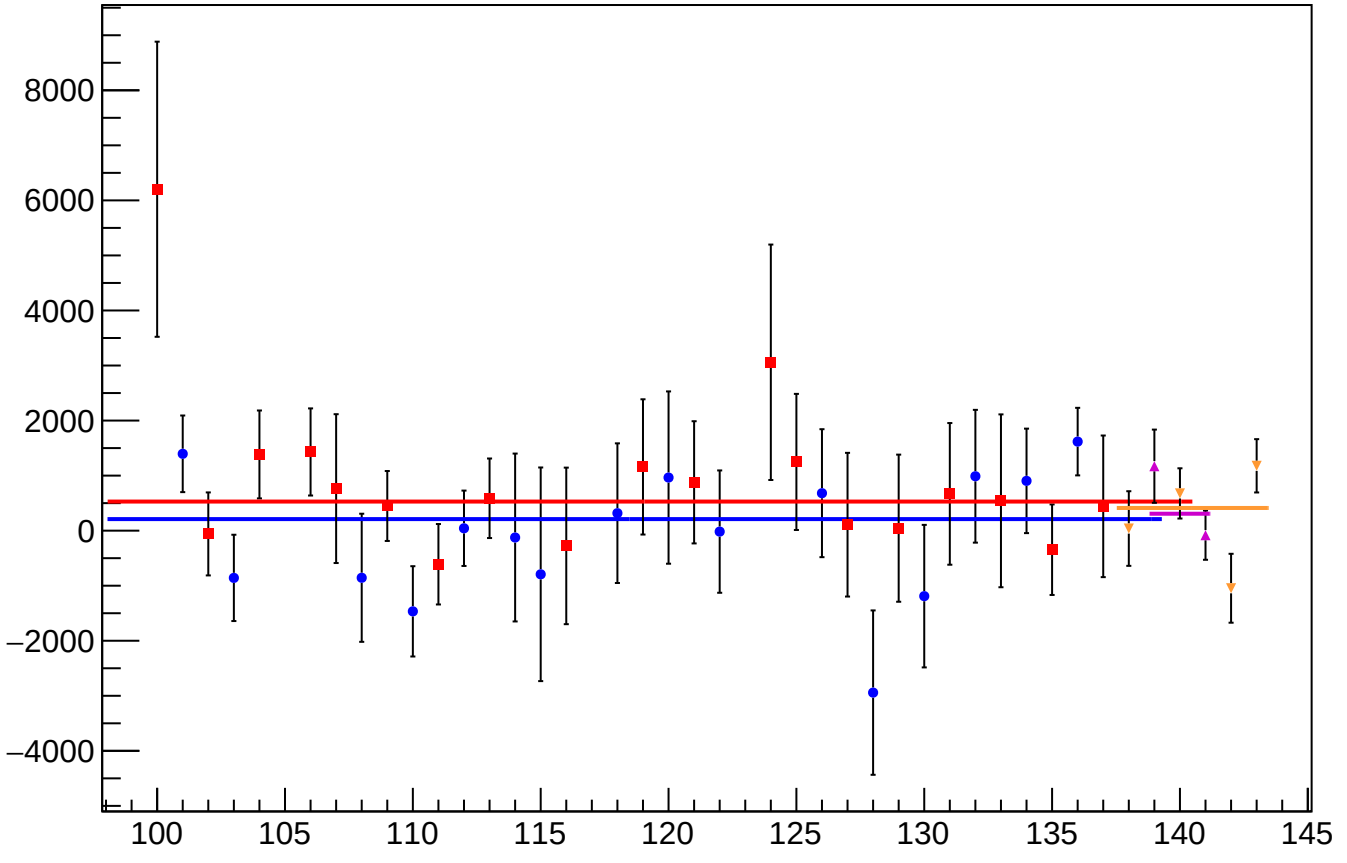
Left In: 57.909+/-0.031 χ^2/NDF:1738.1/1

+ sign 63.796+/-0.015 χ^2/NDF: 562920.0/19

All: 63.691+/-0.010 χ^2/NDF: 926255.9/40

- sign 63.577+/-0.015 χ^2/NDF: 363226.8/20

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 412.236+/-269.234 χ^2/NDF:8.6/3

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

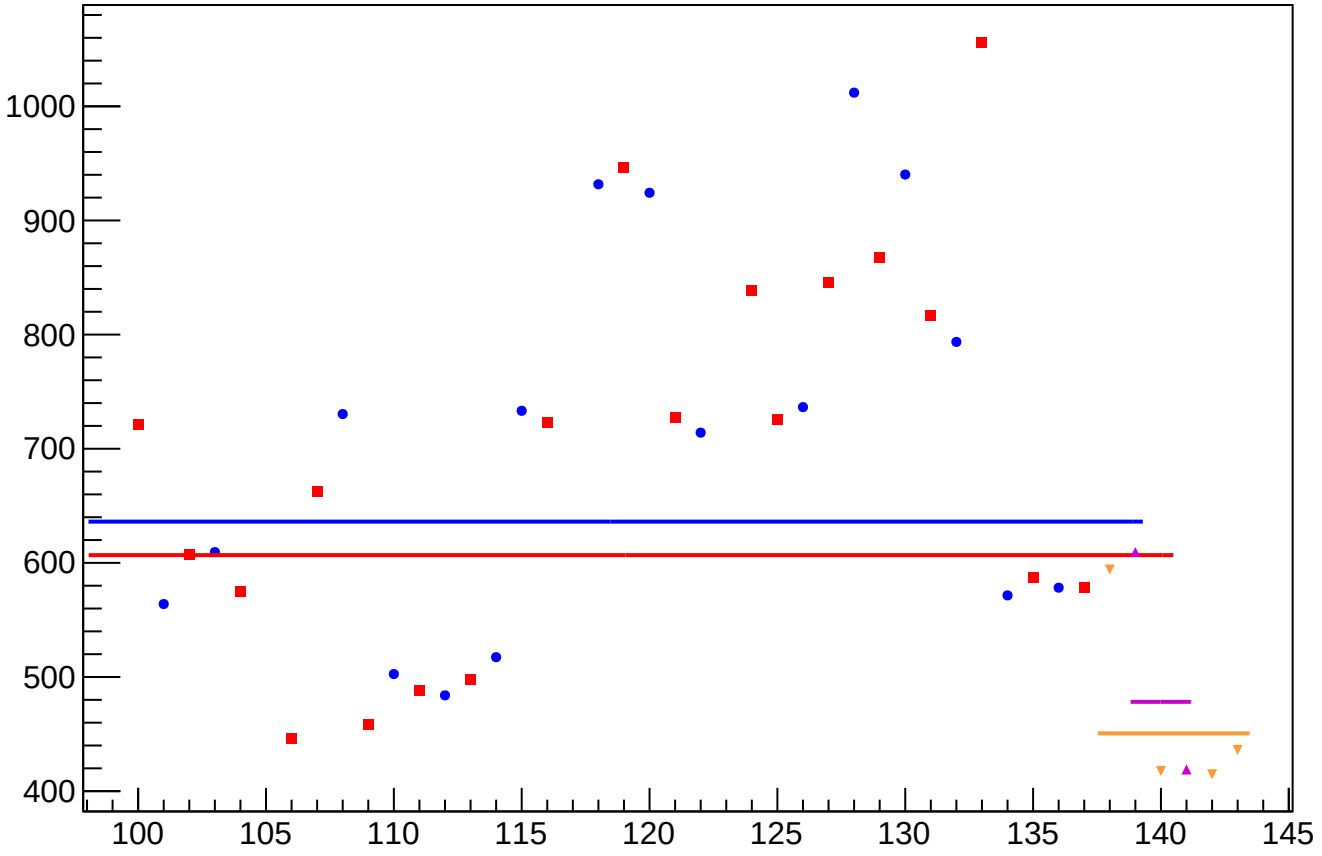
Left In: 307.543+/-370.859 χ^2/NDF:2.4/1

+ sign 301.125+/-180.716 χ^2/NDF: 31.3/19

All: 377.826+/-132.631 χ^2/NDF: 48.2/40

- sign 467.372+/-195.264 χ^2/NDF: 16.5/20

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 450.675+/-0.190 χ^2/NDF:108408.2/3

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

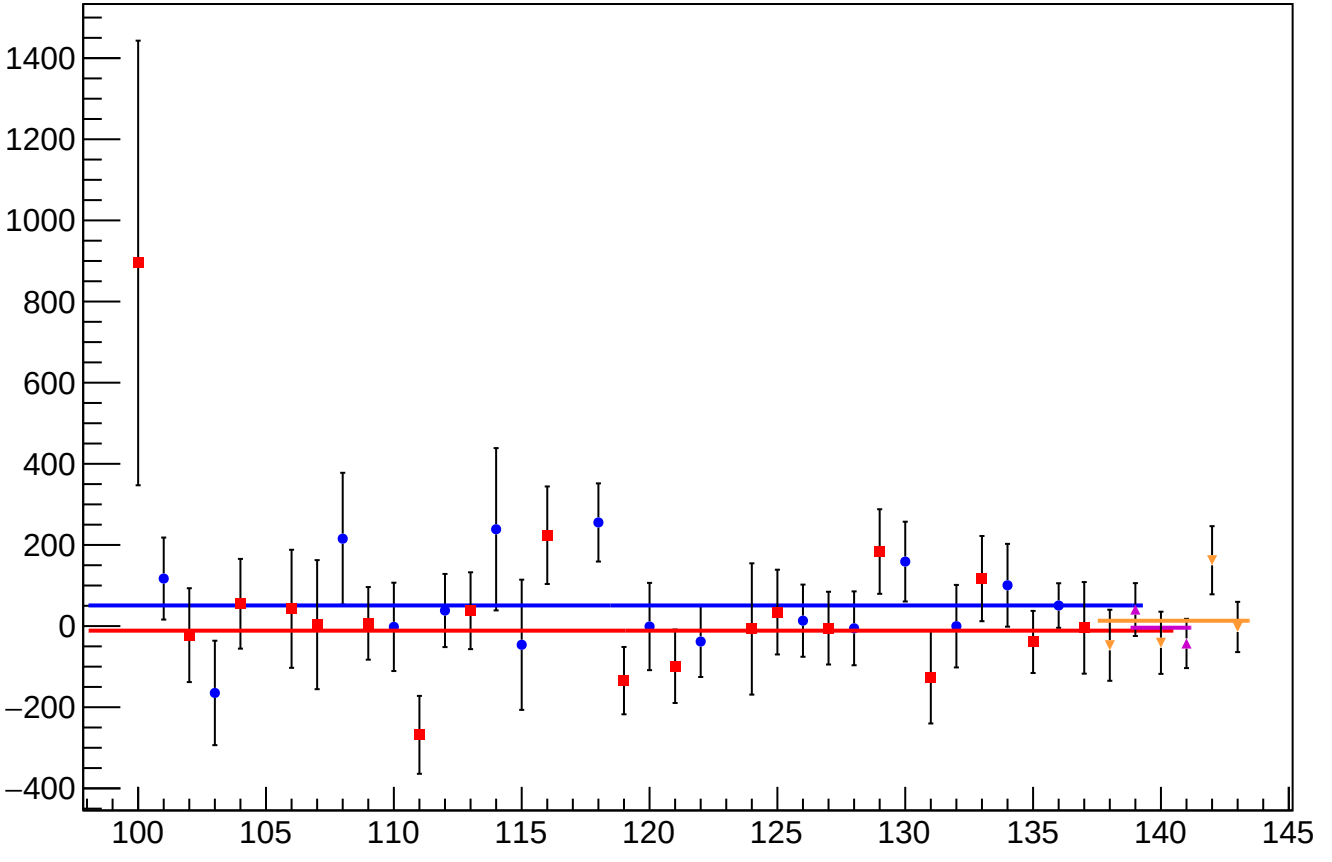
Left In: 478.260+/-0.262 χ^2/NDF:113088.7/1

+ sign 552.583+/-0.128 χ^2/NDF: 1335140.9/19

All: 561.157+/-0.094 χ^2/NDF: 2525533.0/40

- sign 571.168+/-0.138 χ^2/NDF: 1180632.9/20

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: 13.169+/-37.718 χ^2/NDF:4.2/3

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

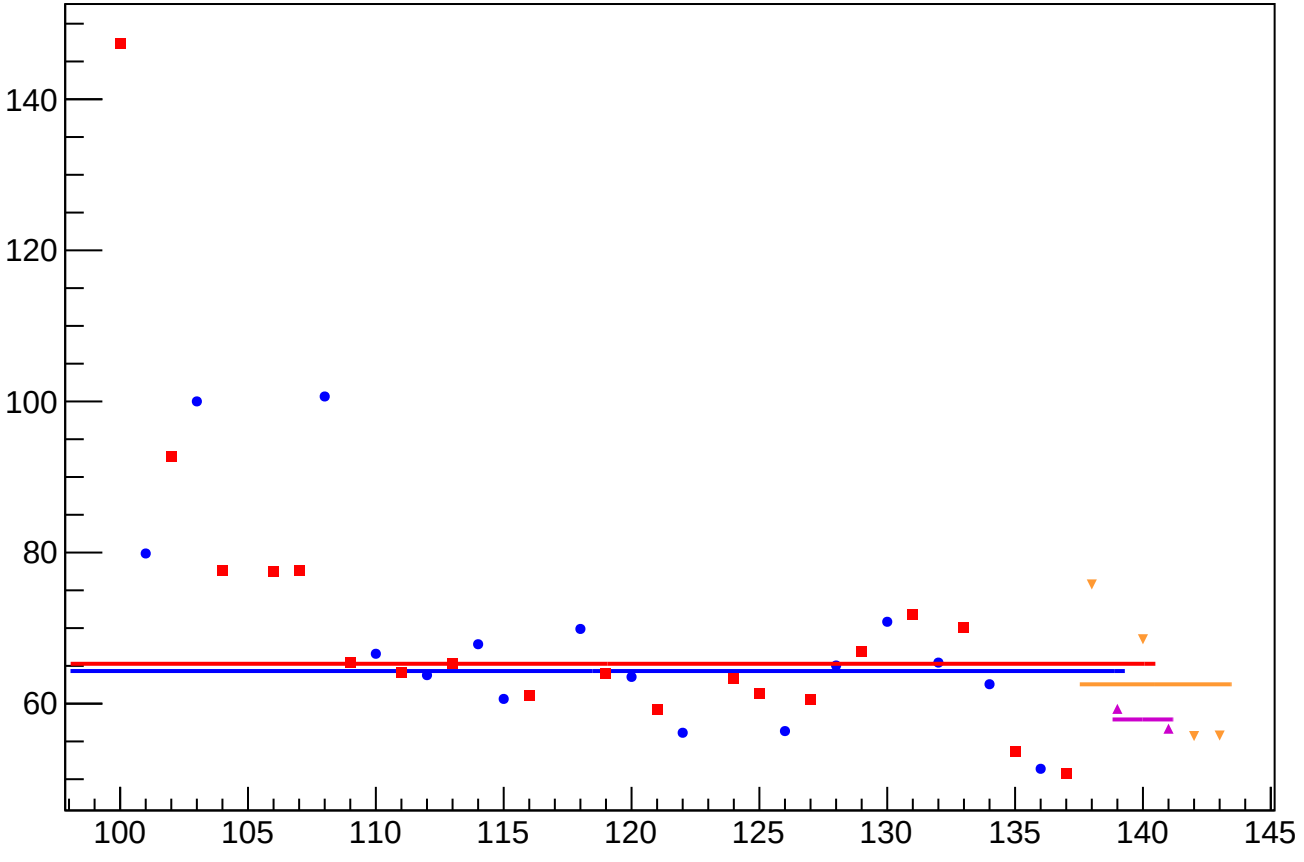
Left In: -4.044+/-44.410 χ^2/NDF:0.9/1

+ sign 39.680+/-20.541 χ^2/NDF: 18.7/19

All: 15.975+/-14.797 χ^2/NDF: 46.4/40

- sign -9.595+/-21.334 χ^2/NDF: 24.9/20

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 62.560+/-0.027 χ^2/NDF:94910.0/3

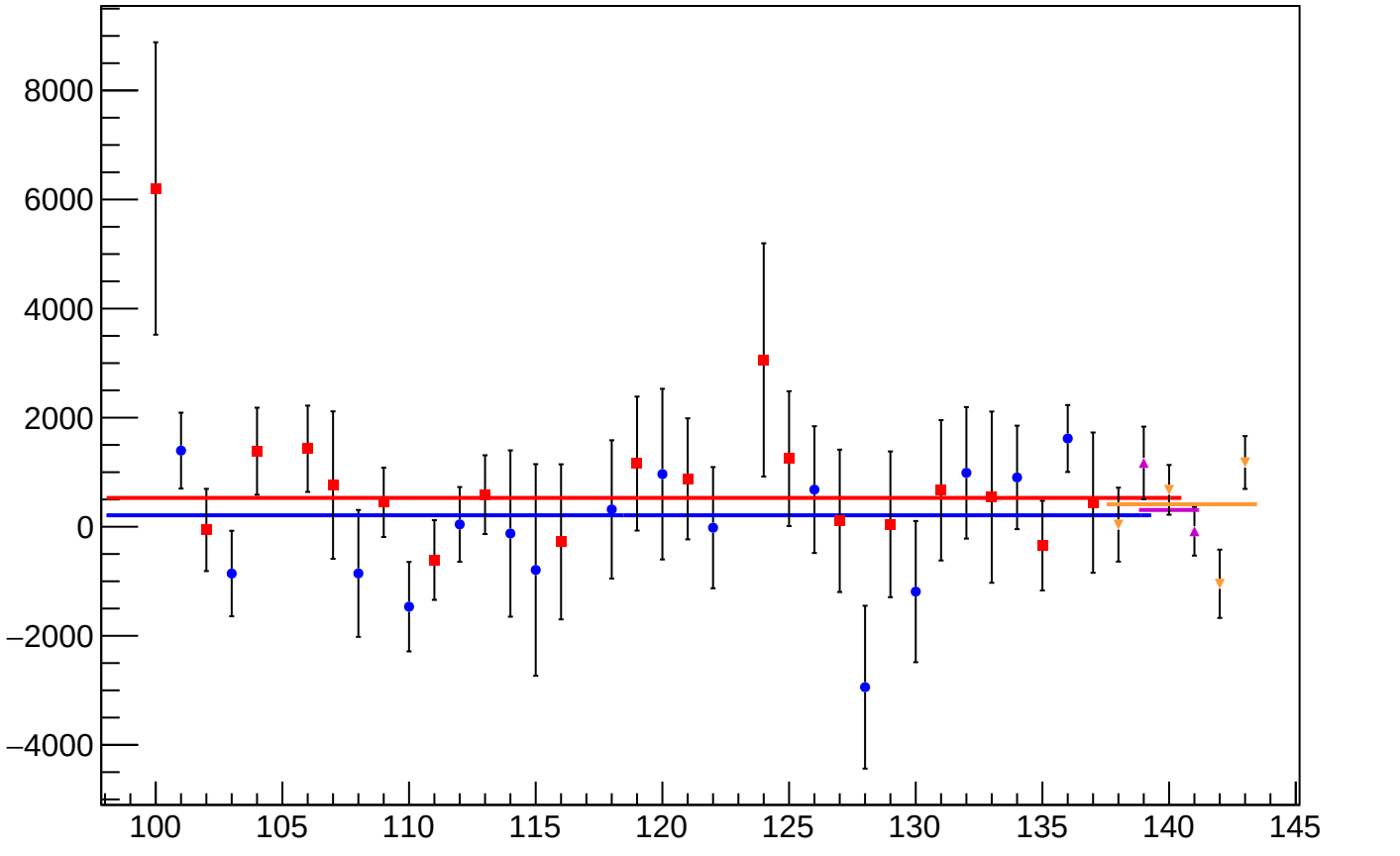
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 57.909+/-0.031 χ^2/NDF:1737.6/1

+ sign 63.796+/-0.015 χ^2/NDF: 562912.5/19

All: 63.690+/-0.010 χ^2/NDF: 926252.9/40

- sign 63.577+/-0.015 χ^2/NDF: 363231.2/20



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 412.237+/-269.234 χ^2/NDF:8.6/3

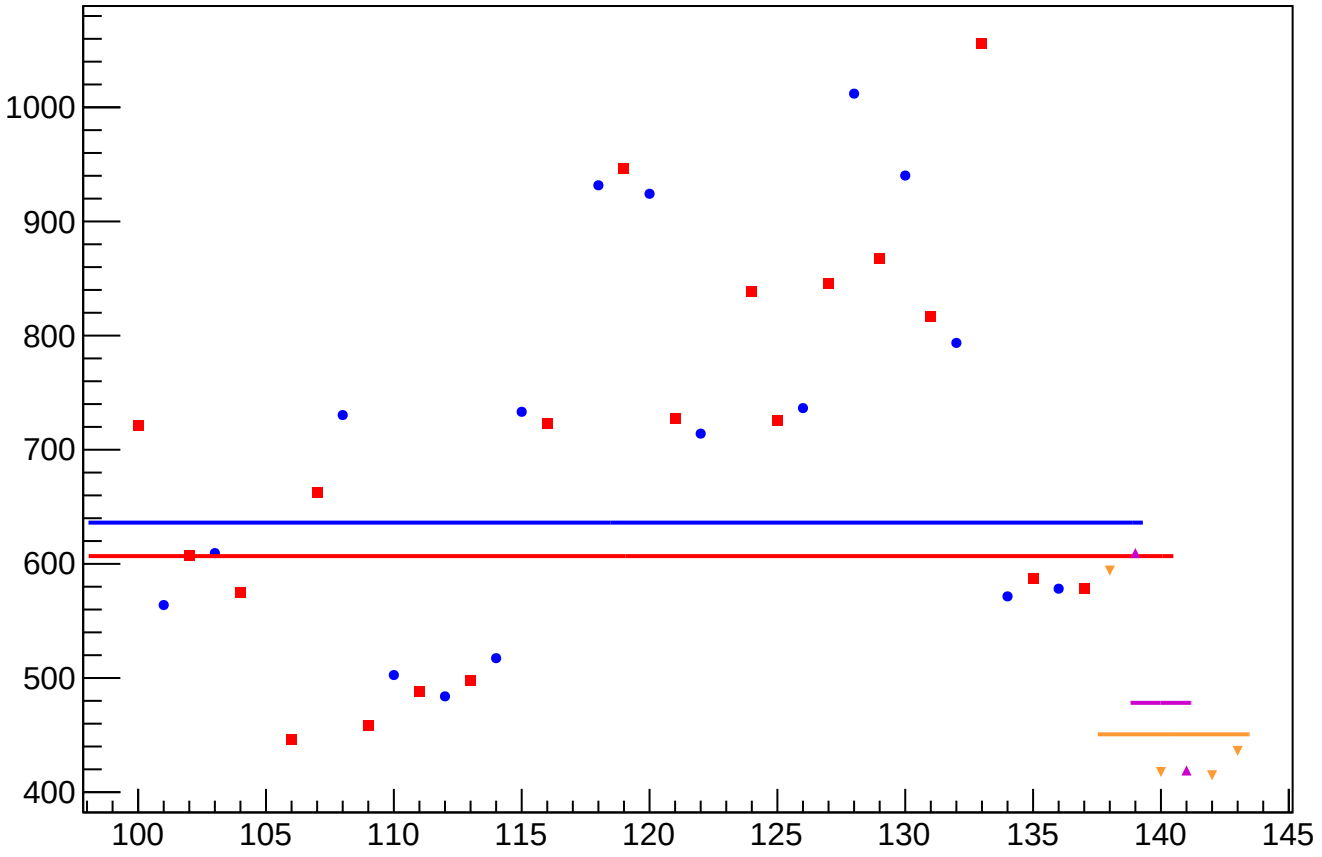
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 307.543+/-370.857 χ^2/NDF:2.4/1

+ sign 301.125+/-180.716 χ^2/NDF: 31.3/19

All: 377.825+/-132.631 χ^2/NDF: 48.2/40

- sign 467.371+/-195.264 χ^2/NDF: 16.5/20



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 450.674+/-0.190 χ^2/NDF:108406.3/3

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

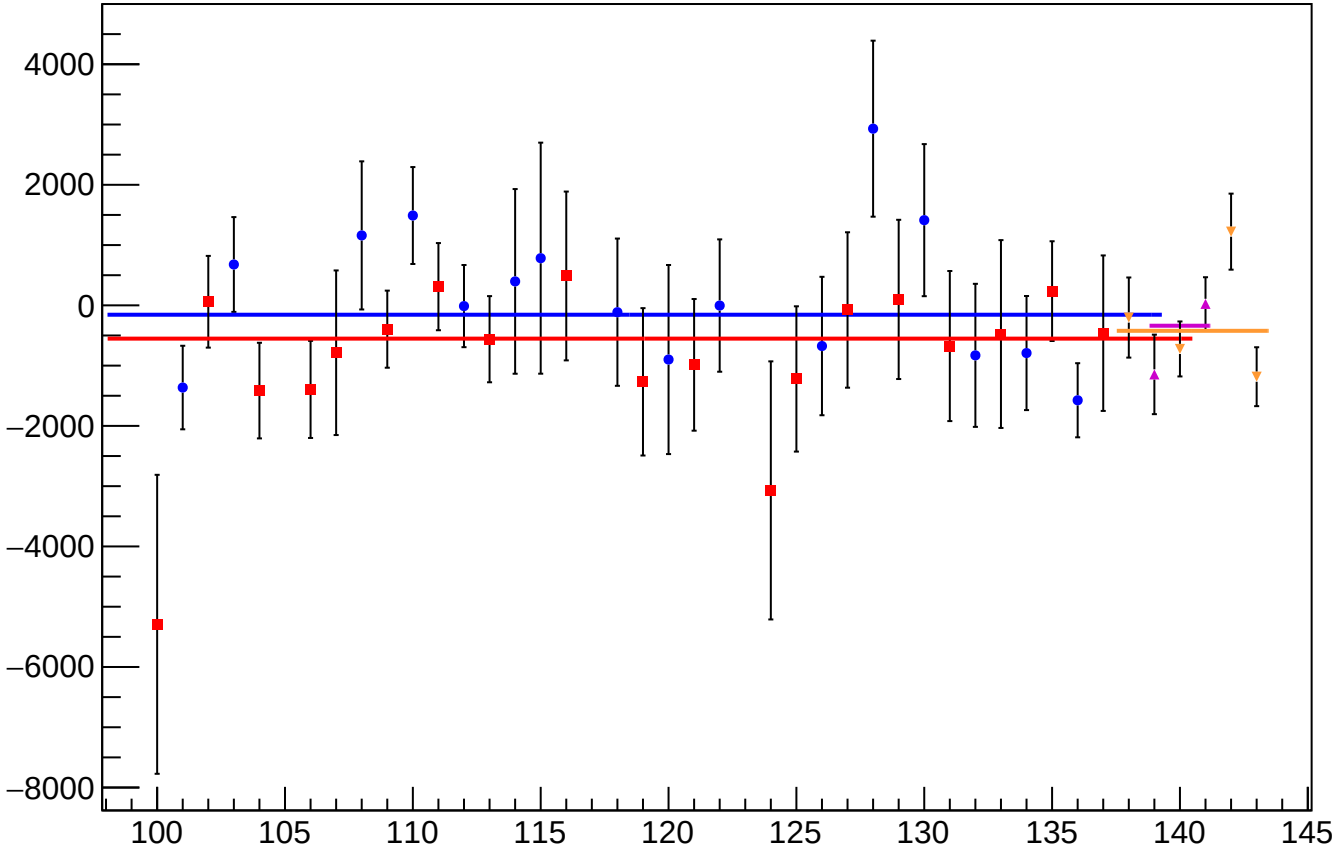
Left In: 478.258+/-0.262 χ^2/NDF:113089.7/1

+ sign 552.582+/-0.128 χ^2/NDF: 1335144.3/19

All: 561.156+/-0.094 χ^2/NDF: 2525543.0/40

- sign 571.167+/-0.138 χ^2/NDF: 1180639.8/20

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -422.660+/-269.441 χ^2/NDF:9.8/3

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

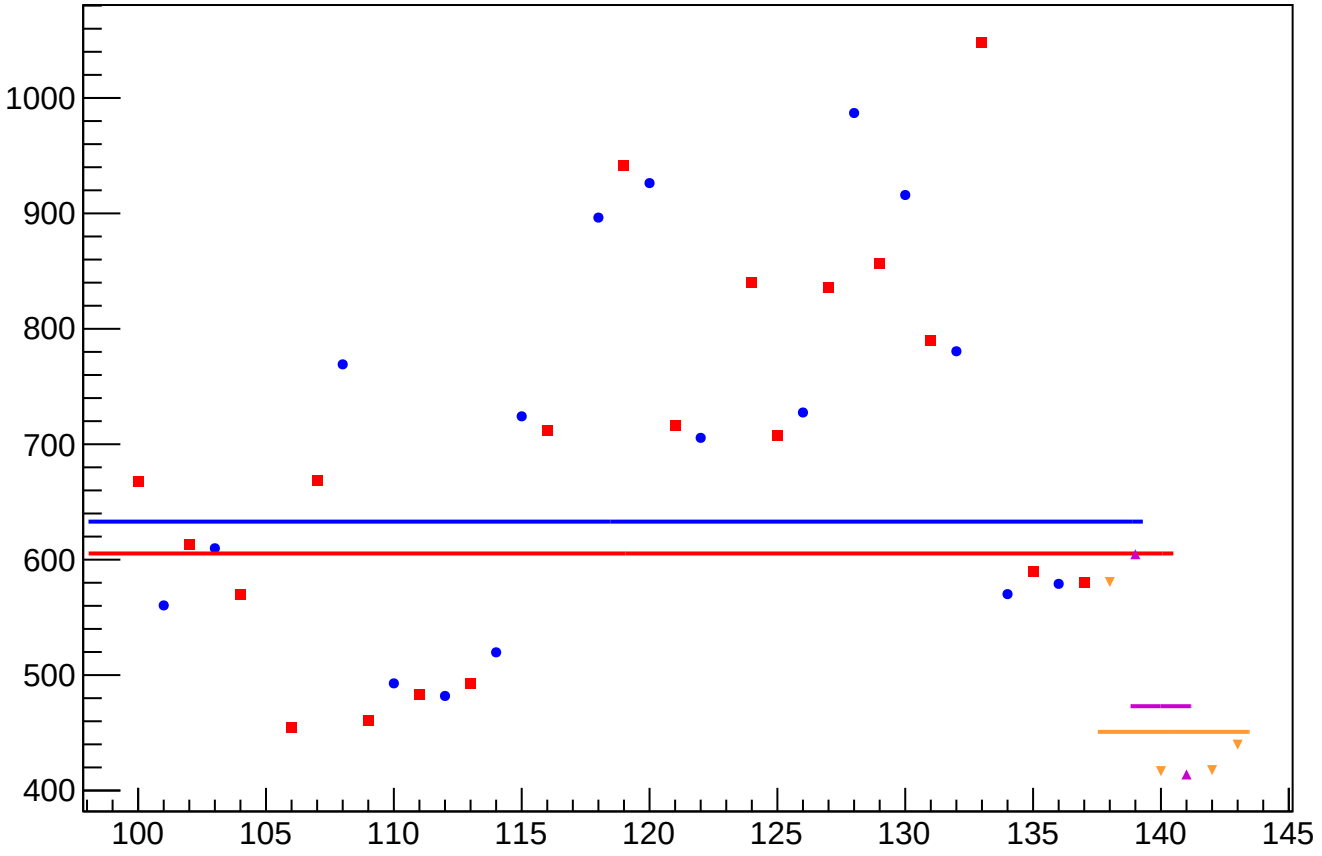
Left In: -338.083+/-367.114 χ^2/NDF:2.2/1

+ sign -275.195+/-180.287 χ^2/NDF: 32.8/19

All: -375.651+/-132.137 χ^2/NDF: 48.0/40

- sign -492.247+/-194.231 χ^2/NDF: 14.5/20

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 450.834+/-0.191 χ^2/NDF:94032.9/3

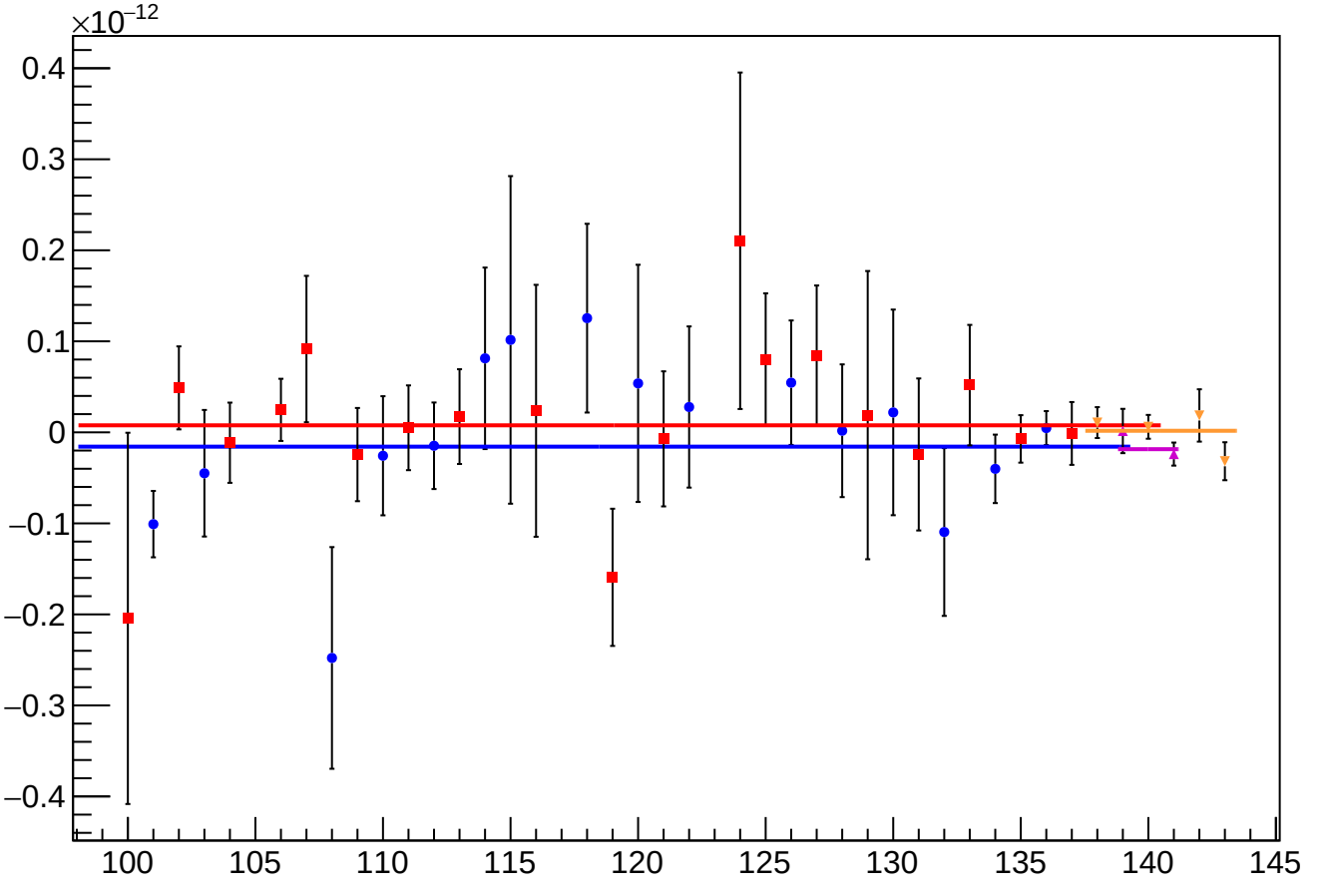
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 473.050+/-0.260 χ^2/NDF:115514.1/1

+ sign 551.423+/-0.127 χ^2/NDF: 1279880.5/19

All: 559.250+/-0.093 χ^2/NDF: 2444634.5/40

- sign 568.334+/-0.137 χ^2/NDF: 1156610.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/3

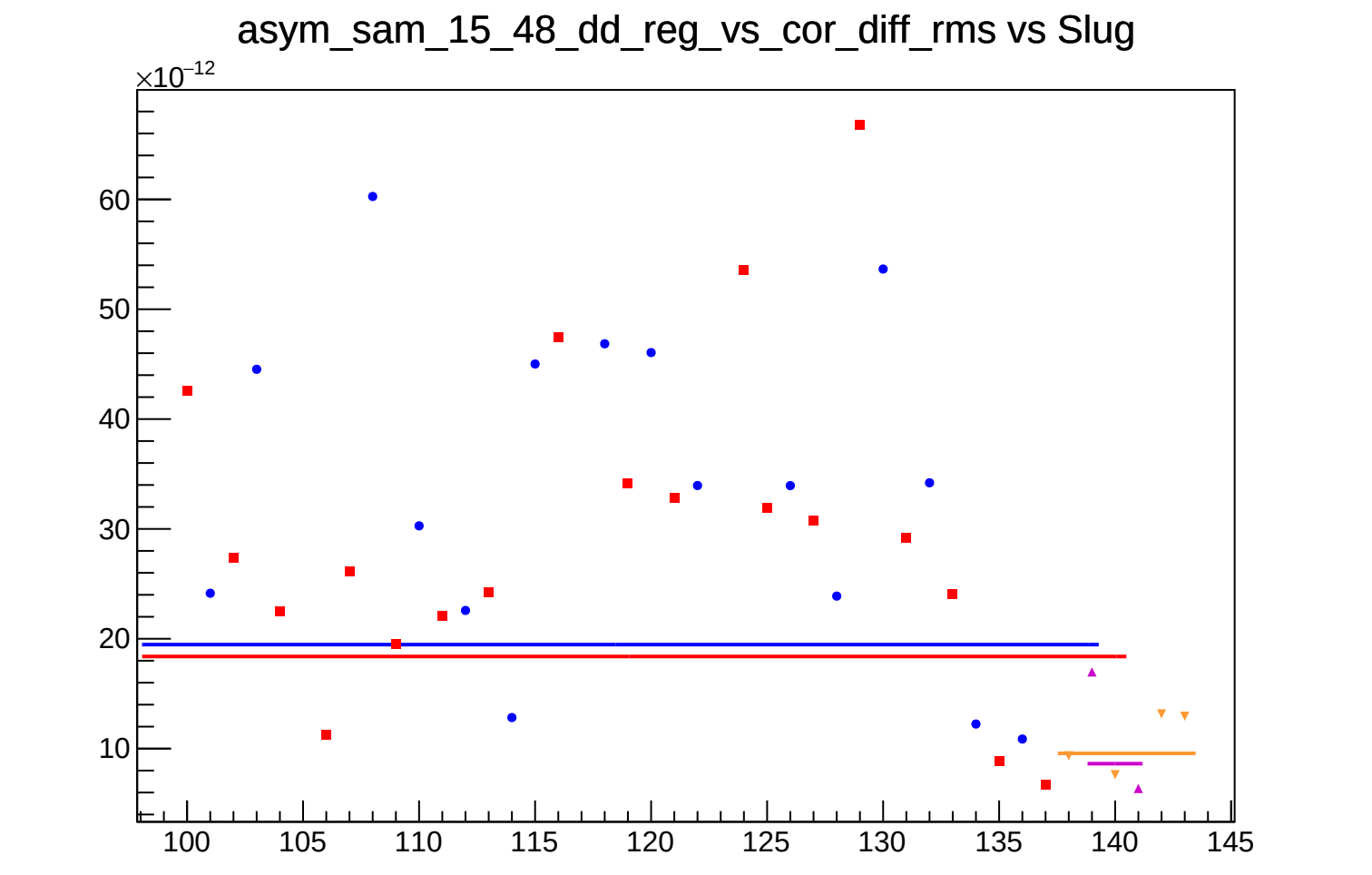
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

+ sign -0.000+/-0.000 χ^2/NDF: 21.5/19

All: -0.000+/-0.000 χ^2/NDF: 37.9/40

- sign -0.000+/-0.000 χ^2/NDF: 16.3/20



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:128247.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

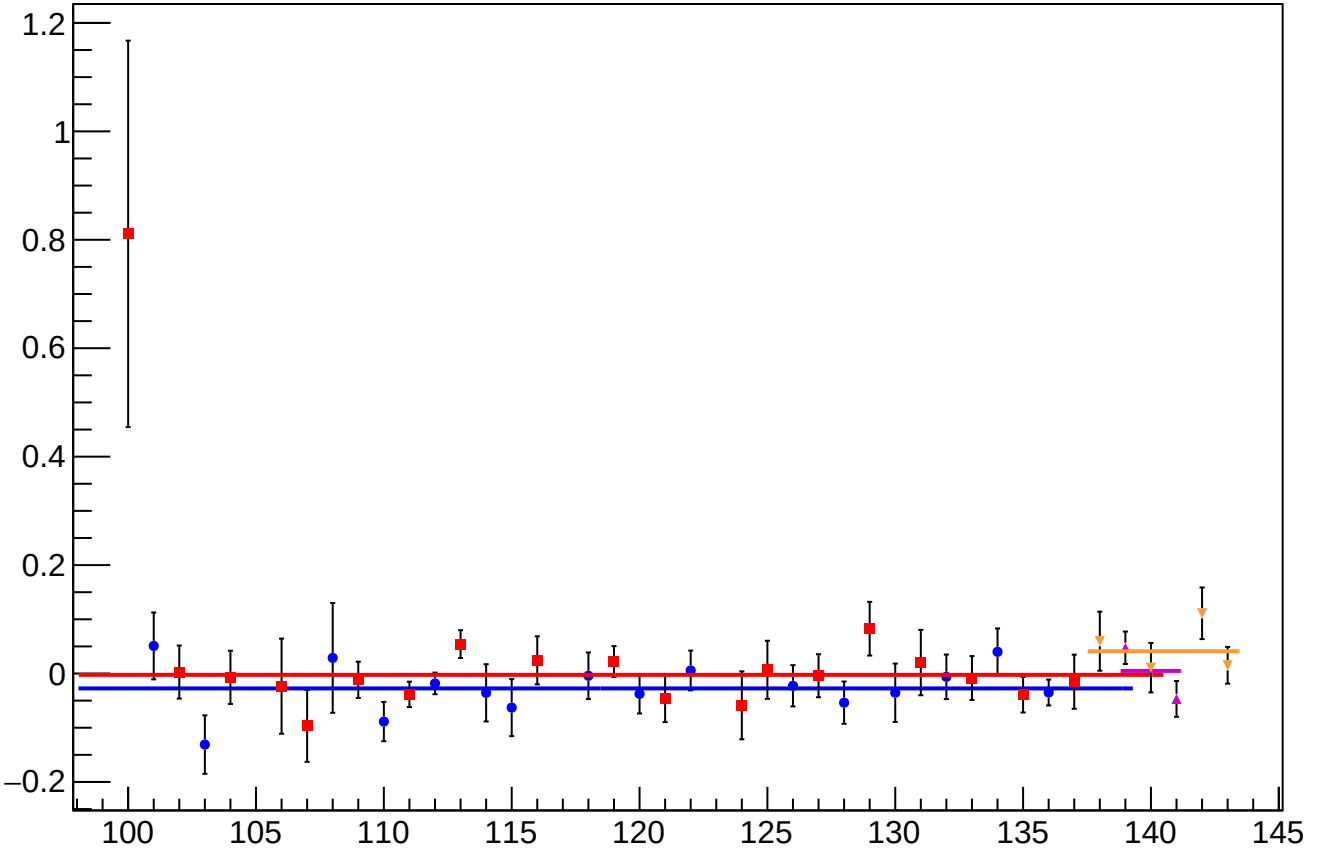
Left In: 0.000+/-0.000 χ^2/NDF:299386.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 2691063.5/19

All: 0.000+/-0.000 χ^2/NDF: 5132078.9/40

- sign 0.000+/-0.000 χ^2/NDF: 2439589.2/20

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: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

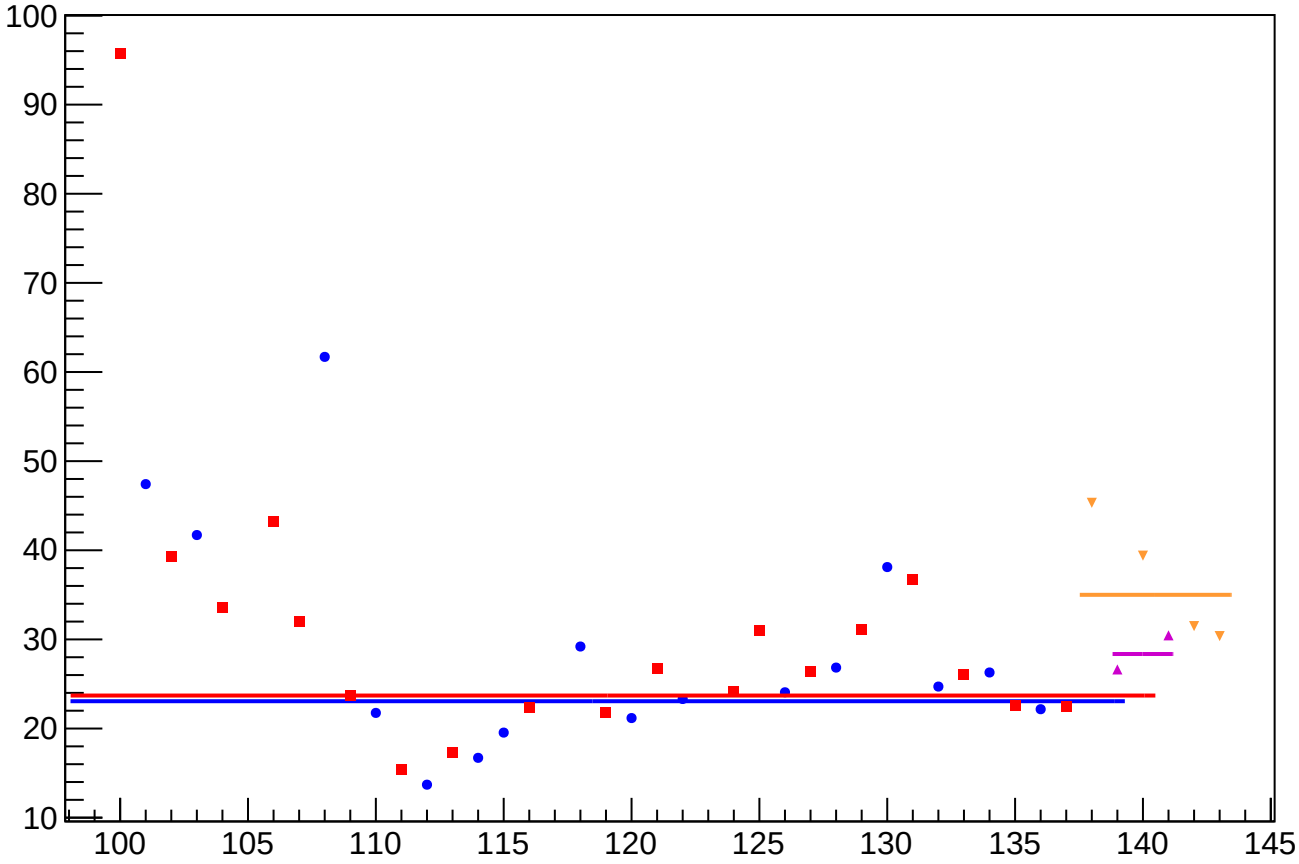
Left In: 0.005+/-0.022 χ^2/NDF:4.5/1

+ sign -0.017+/-0.009 χ^2/NDF: 25.4/19

All: -0.009+/-0.006 χ^2/NDF: 53.7/40

- sign -0.001+/-0.009 χ^2/NDF: 26.7/20

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: 35.002+/-0.015 χ^2/NDF:138593.5/3

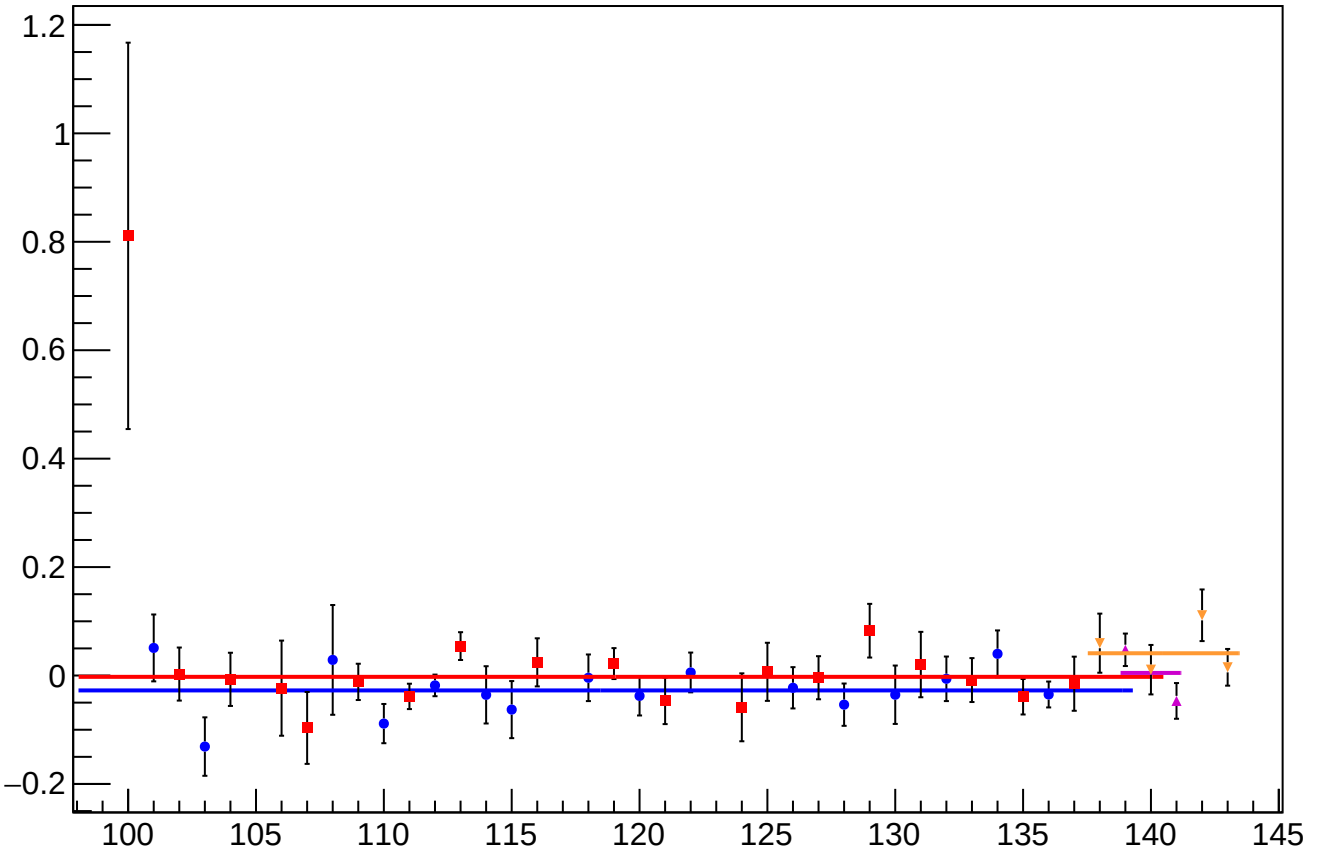
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 28.362+/-0.016 χ^2/NDF:14757.4/1

+ sign 24.955+/-0.006 χ^2/NDF: 2214083.3/19

All: 24.675+/-0.004 χ^2/NDF: 3396728.8/40

- sign 24.399+/-0.006 χ^2/NDF: 1178467.2/20



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

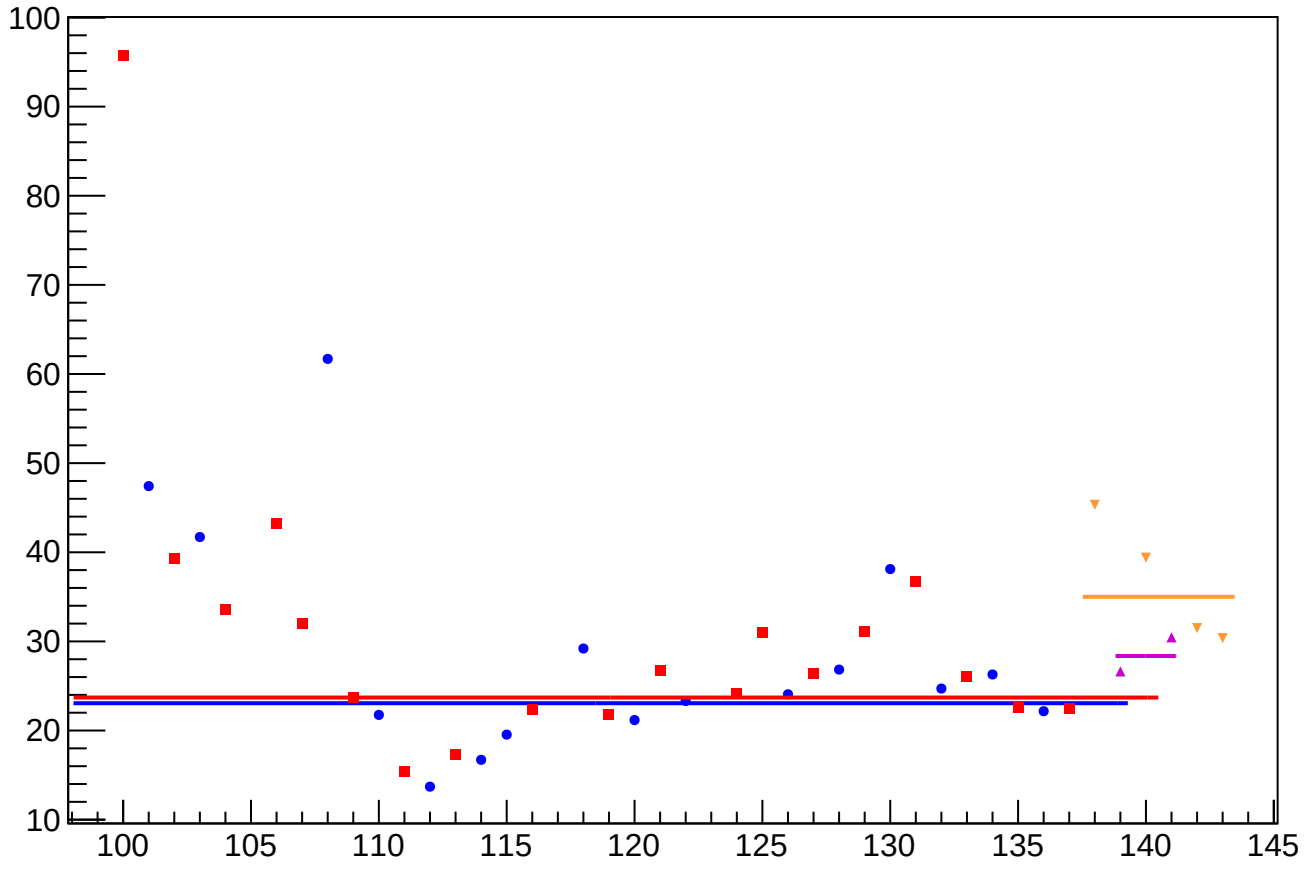
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.022 χ^2/NDF:4.5/1

+ sign -0.017+/-0.009 χ^2/NDF: 25.4/19

All: -0.009+/-0.006 χ^2/NDF: 53.7/40

- sign -0.001+/-0.009 χ^2/NDF: 26.7/20



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 35.002+/-0.015 χ^2/NDF:138593.5/3

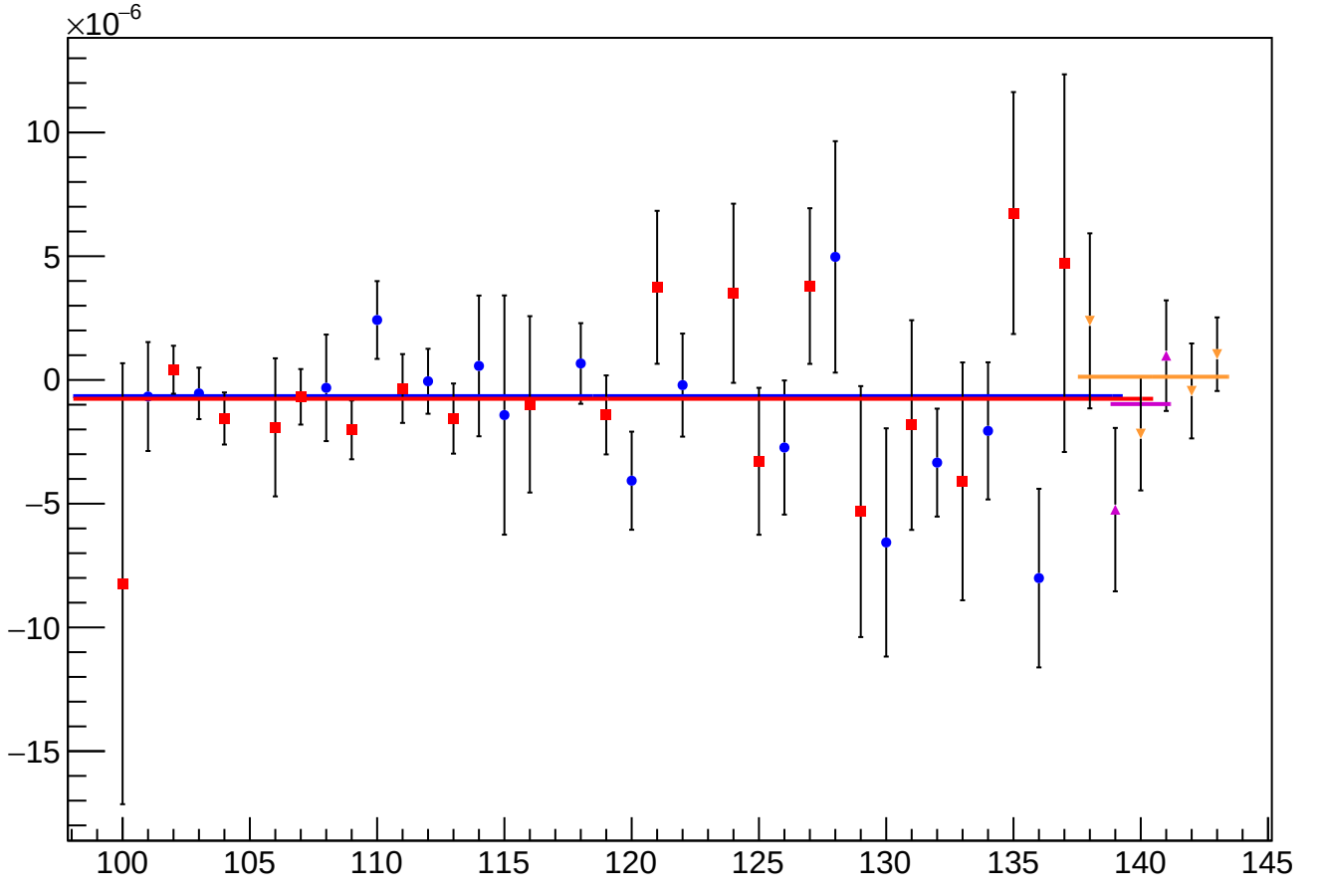
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 28.362+/-0.016 χ^2/NDF:14757.4/1

+ sign 24.955+/-0.006 χ^2/NDF: 2214083.3/19

All: 24.675+/-0.004 χ^2/NDF: 3396728.8/40

- sign 24.399+/-0.006 χ^2/NDF: 1178467.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/3

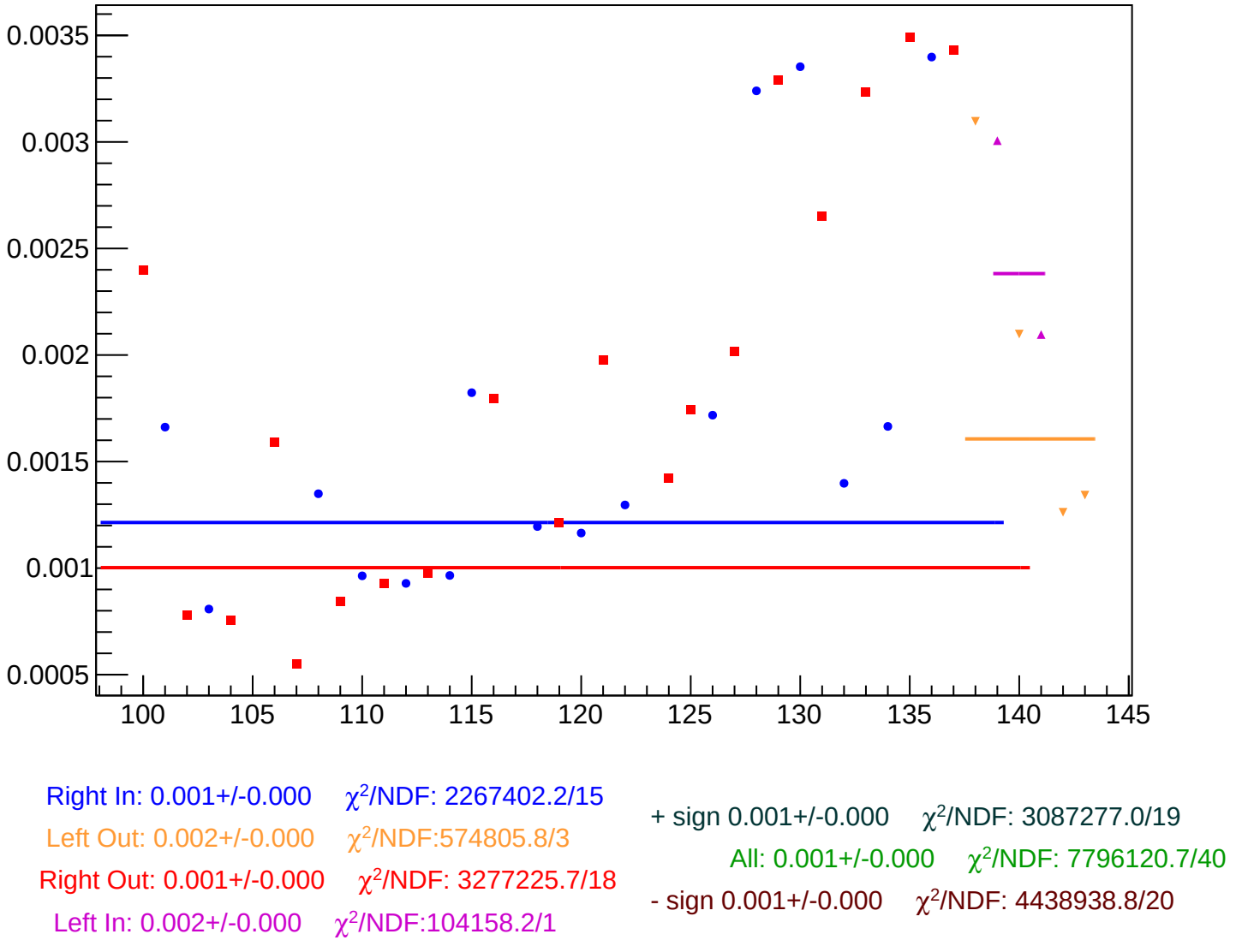
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

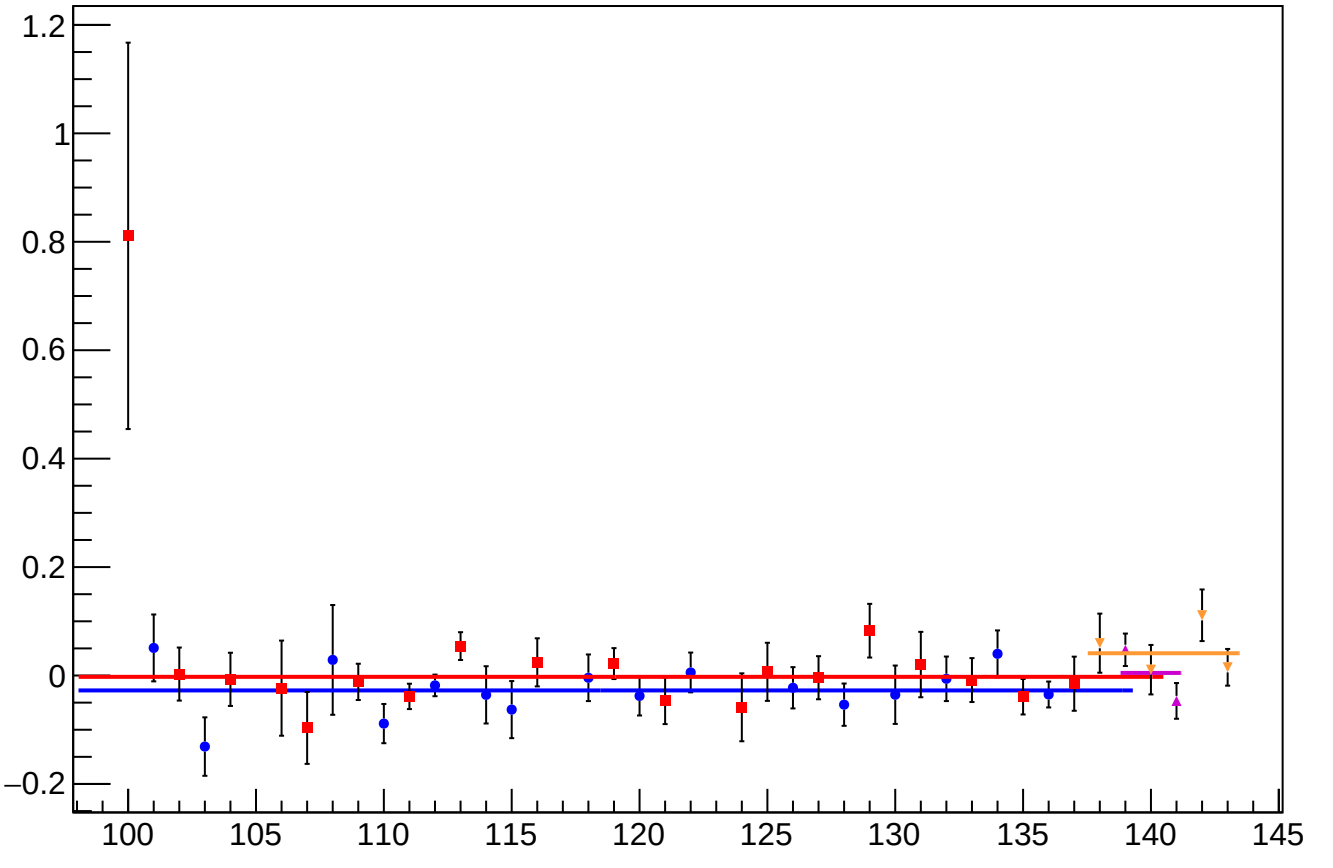
Left In: -0.000+/-0.000 χ^2/NDF:2.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/19

All: -0.000+/-0.000 χ^2/NDF: 37.8/40

- sign -0.000+/-0.000 χ^2/NDF: 17.6/20


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:574805.8/3
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.002+/-0.000 χ²/NDF:104158.2/1
+ sign 0.001+/-0.000 χ²/NDF: 3087277.0/19
All: 0.001+/-0.000 χ²/NDF: 7796120.7/40
- sign 0.001+/-0.000 χ²/NDF: 4438938.8/20



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

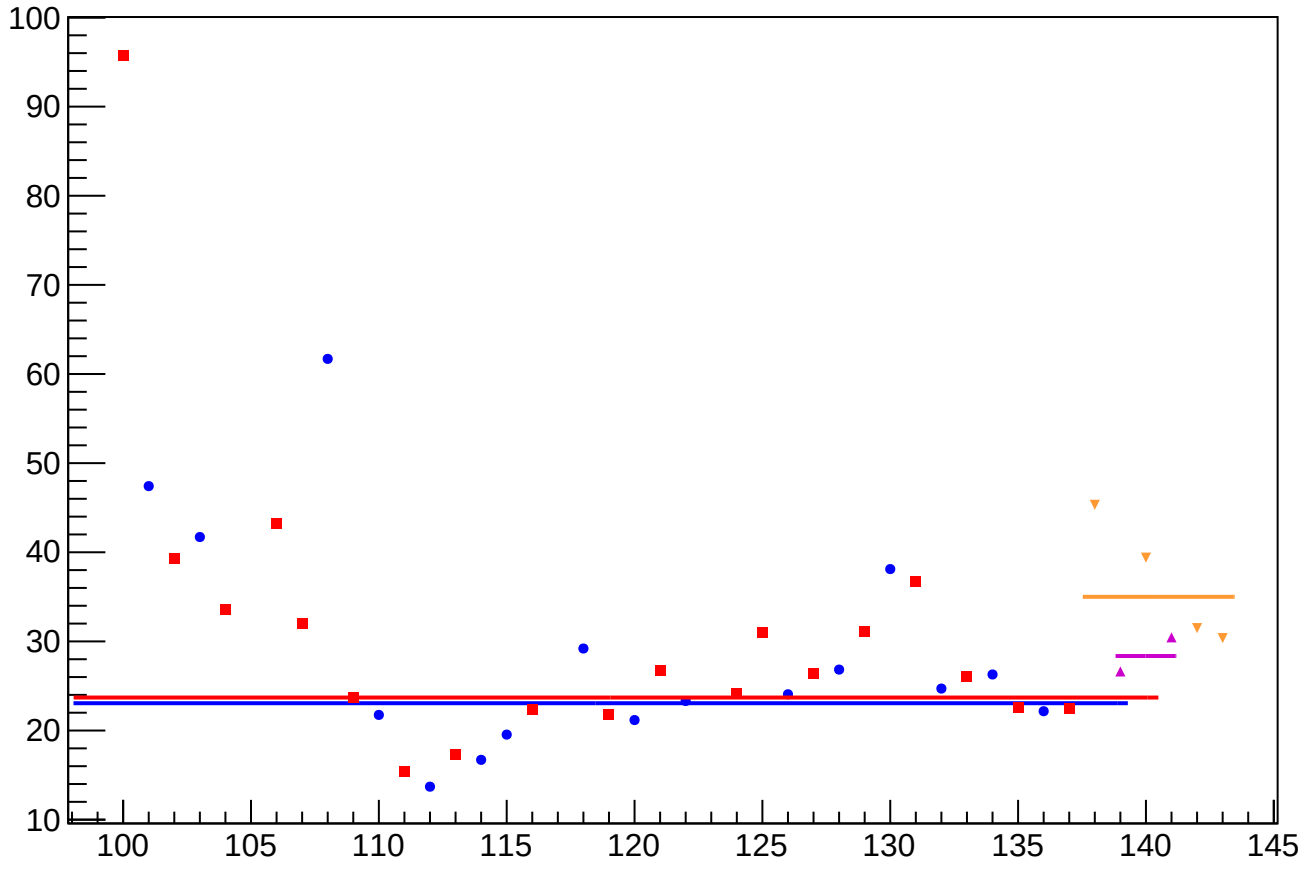
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.022 χ^2/NDF:4.5/1

+ sign -0.017+/-0.009 χ^2/NDF: 25.4/19

All: -0.009+/-0.006 χ^2/NDF: 53.7/40

- sign -0.001+/-0.009 χ^2/NDF: 26.7/20



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 35.003+/-0.015 χ^2/NDF:138572.4/3

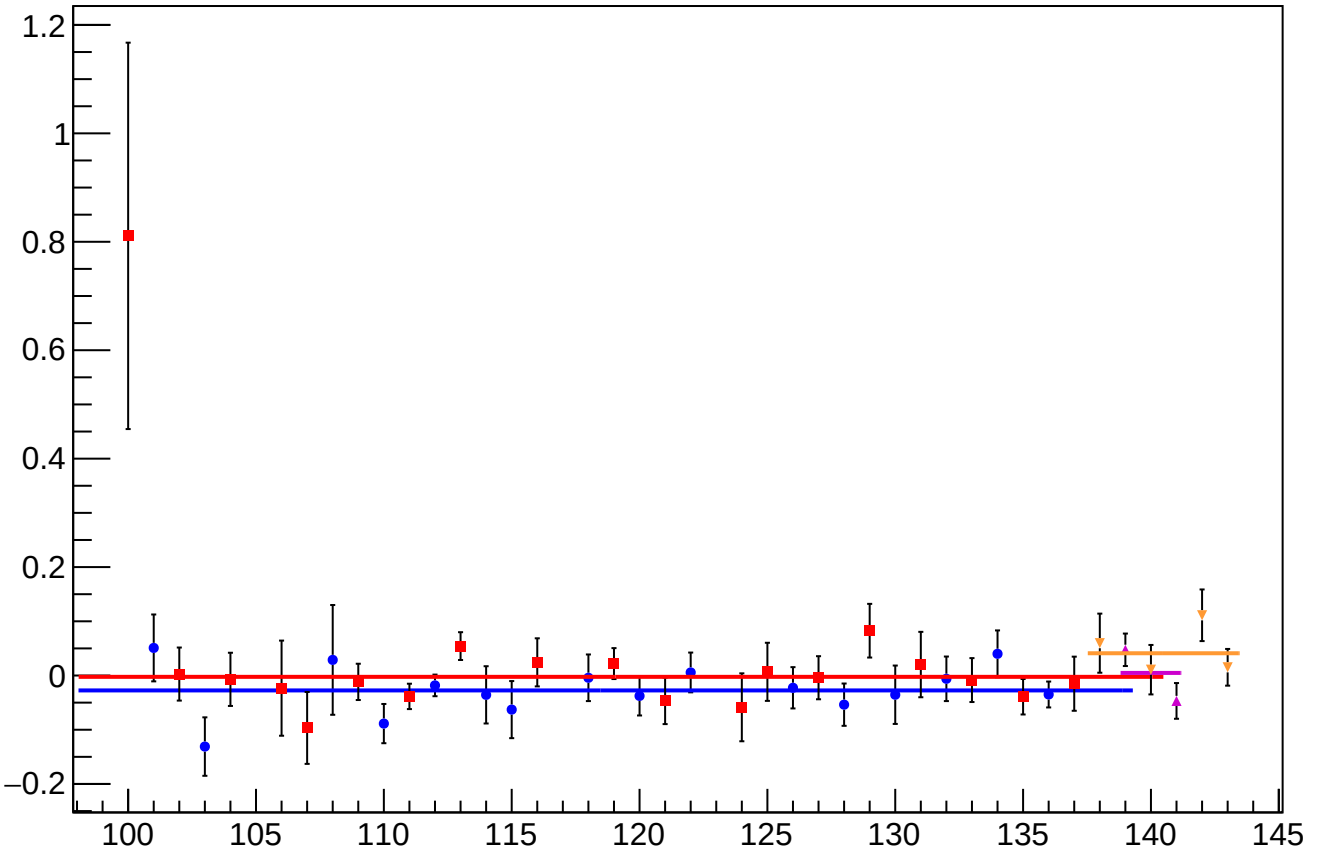
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 28.362+/-0.016 χ^2/NDF:14765.0/1

+ sign 24.954+/-0.006 χ^2/NDF: 2214105.8/19

All: 24.675+/-0.004 χ^2/NDF: 3396790.4/40

- sign 24.399+/-0.006 χ^2/NDF: 1178504.8/20



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

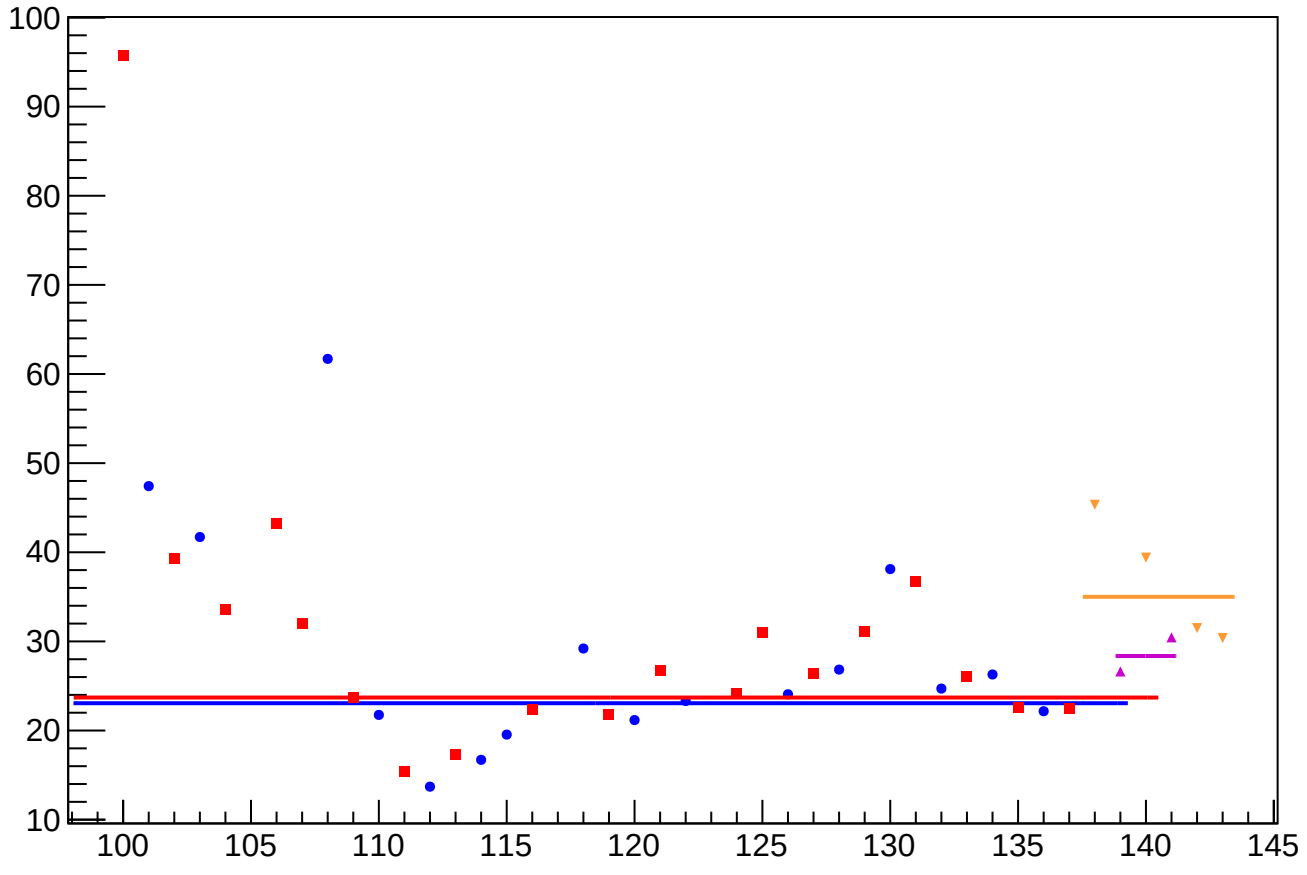
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.022 χ^2/NDF:4.5/1

+ sign -0.017+/-0.009 χ^2/NDF: 25.4/19

All: -0.009+/-0.006 χ^2/NDF: 53.7/40

- sign -0.001+/-0.009 χ^2/NDF: 26.7/20



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 35.003+/-0.015 χ^2/NDF:138572.4/3

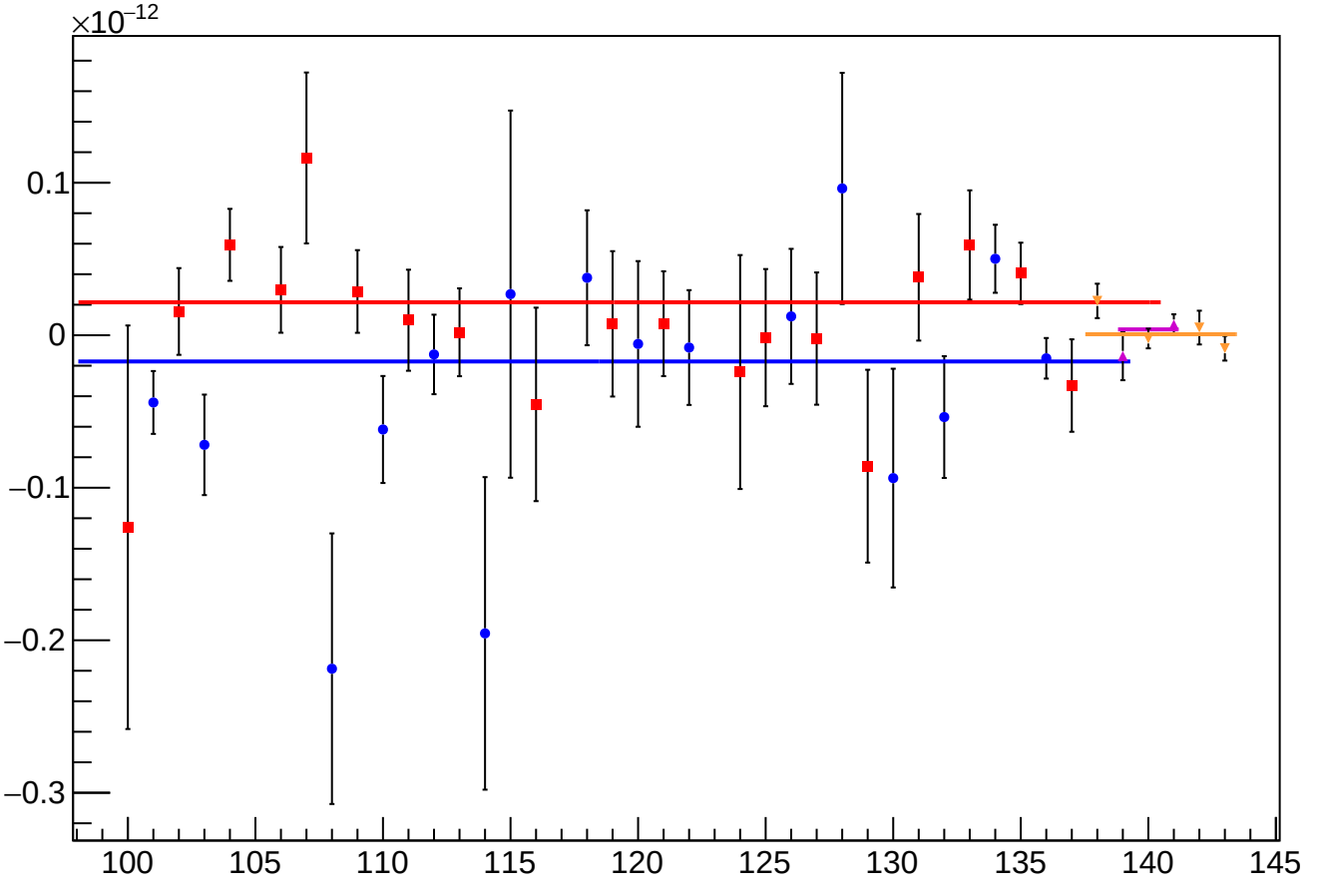
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 28.362+/-0.016 χ^2/NDF:14765.0/1

+ sign 24.954+/-0.006 χ^2/NDF: 2214105.8/19

All: 24.675+/-0.004 χ^2/NDF: 3396790.4/40

- sign 24.399+/-0.006 χ^2/NDF: 1178504.8/20



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/3

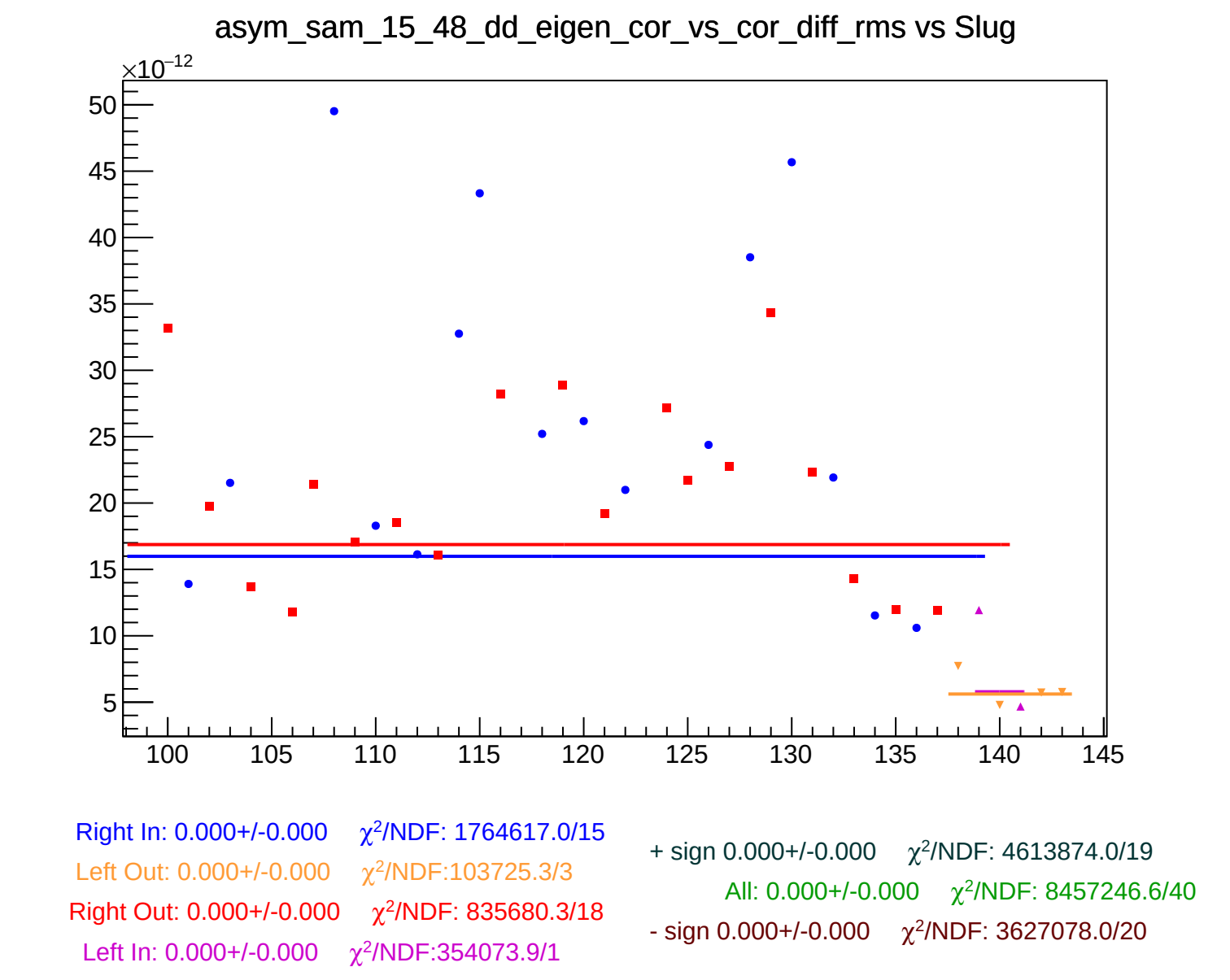
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/19

All: 0.000+/-0.000 χ^2/NDF: 67.1/40

- sign 0.000+/-0.000 χ^2/NDF: 22.6/20


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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25
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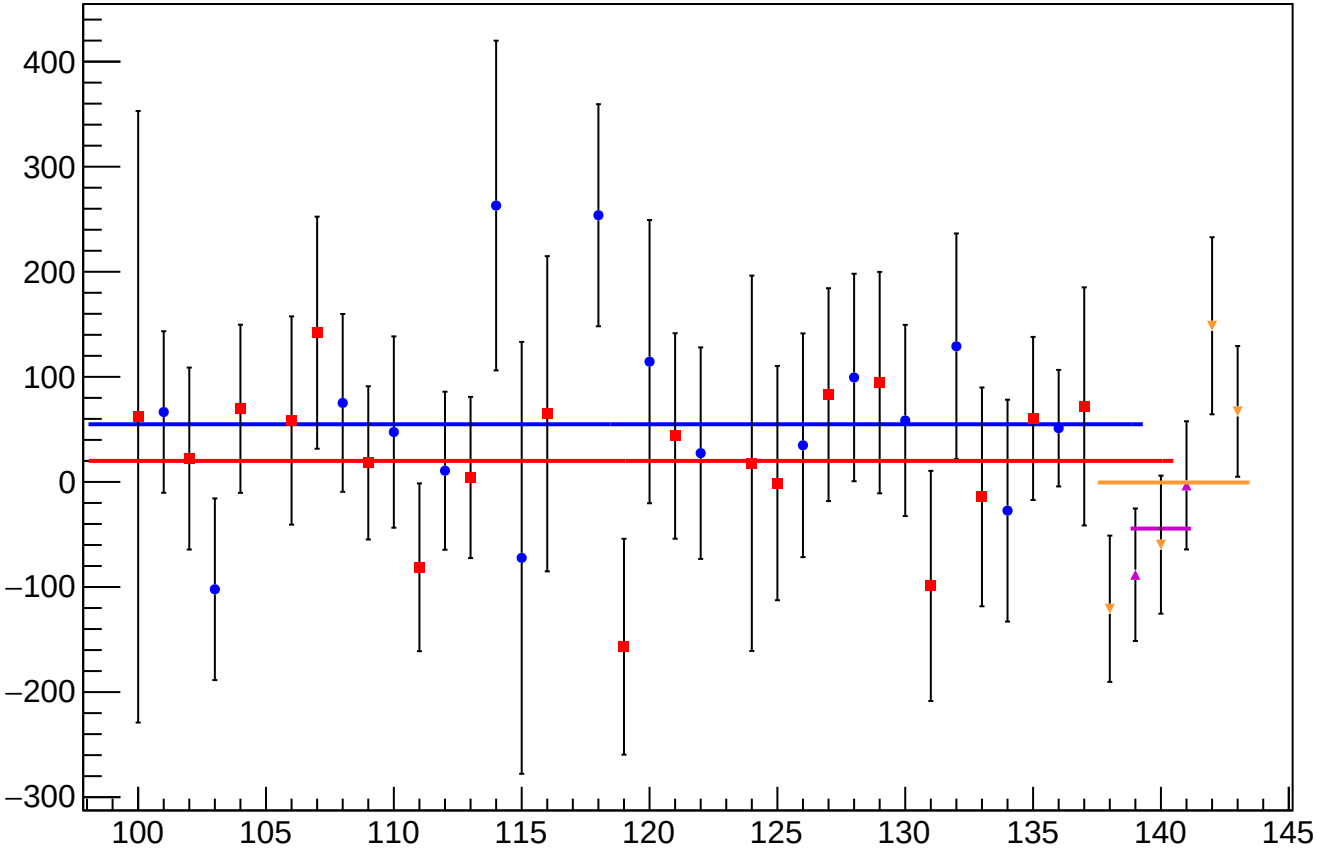
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:103725.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:354073.9/1
+ sign 0.000+/-0.000 χ²/NDF: 4613874.0/19
All: 0.000+/-0.000 χ²/NDF: 8457246.6/40
- sign 0.000+/-0.000 χ²/NDF: 3627078.0/20

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -0.551+/-34.554 χ^2/NDF:8.1/3

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

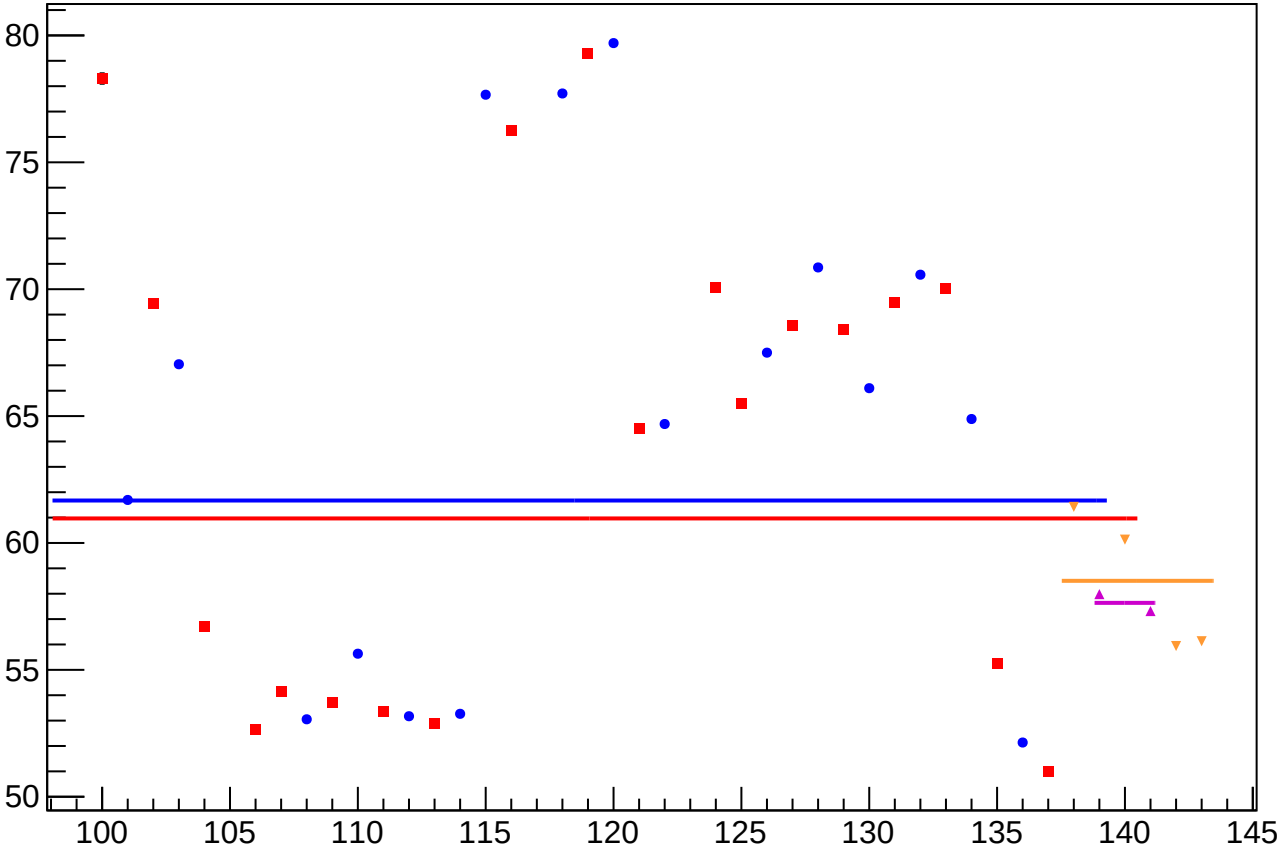
Left In: -44.365+/-43.841 χ^2/NDF:0.9/1

+ sign 37.680+/-19.249 χ^2/NDF: 20.9/19

All: 22.753+/-13.892 χ^2/NDF: 34.0/40

- sign 6.530+/-20.068 χ^2/NDF: 11.9/20

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 58.508+/-0.024 χ^2/NDF:9514.9/3

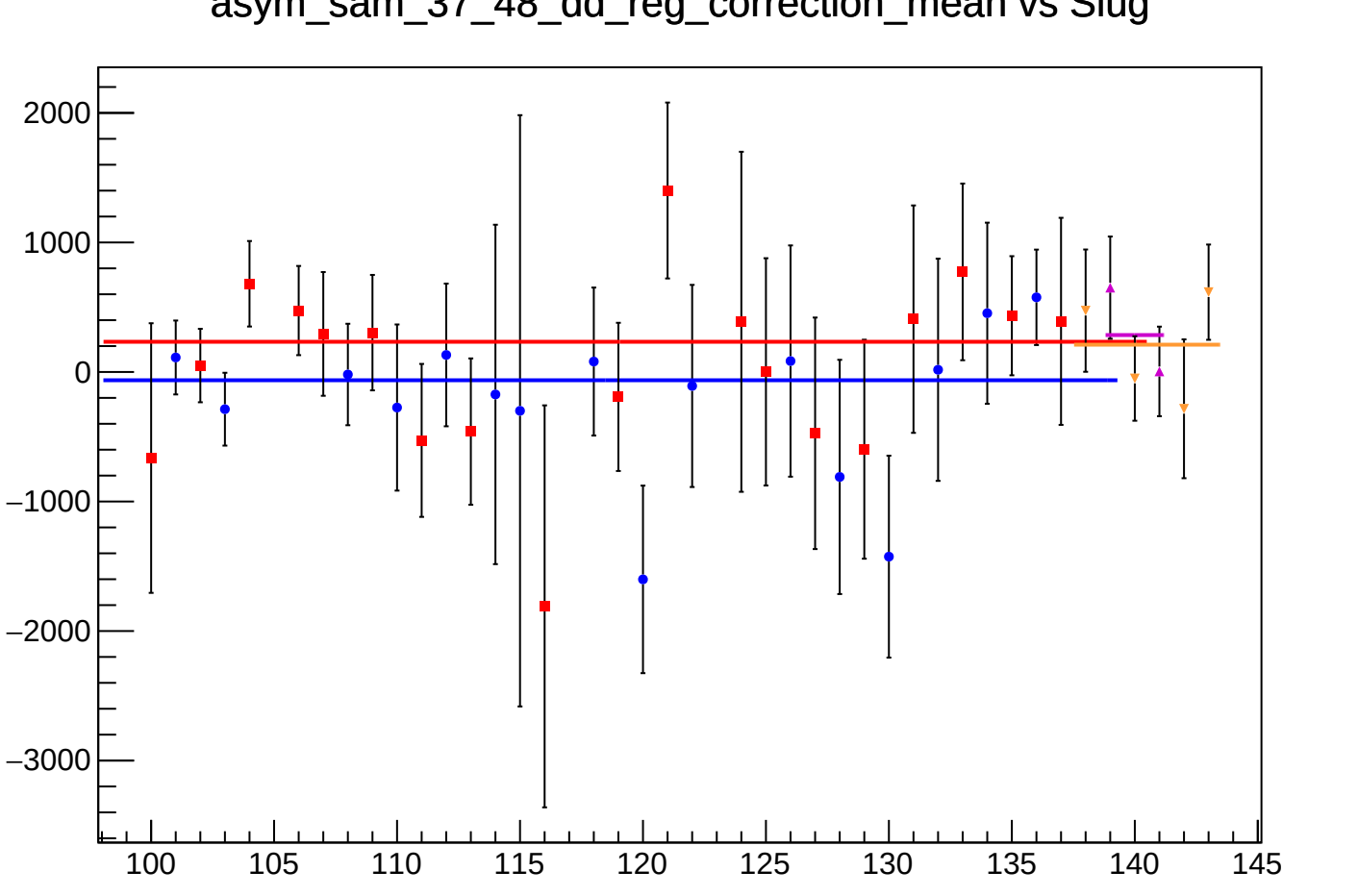
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

+ sign 60.691+/-0.014 χ^2/NDF: 288192.5/19

All: 60.489+/-0.010 χ^2/NDF: 582054.8/40

- sign 60.269+/-0.014 χ^2/NDF: 293403.0/20



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 210.733+/-200.939 χ^2/NDF:3.0/3

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

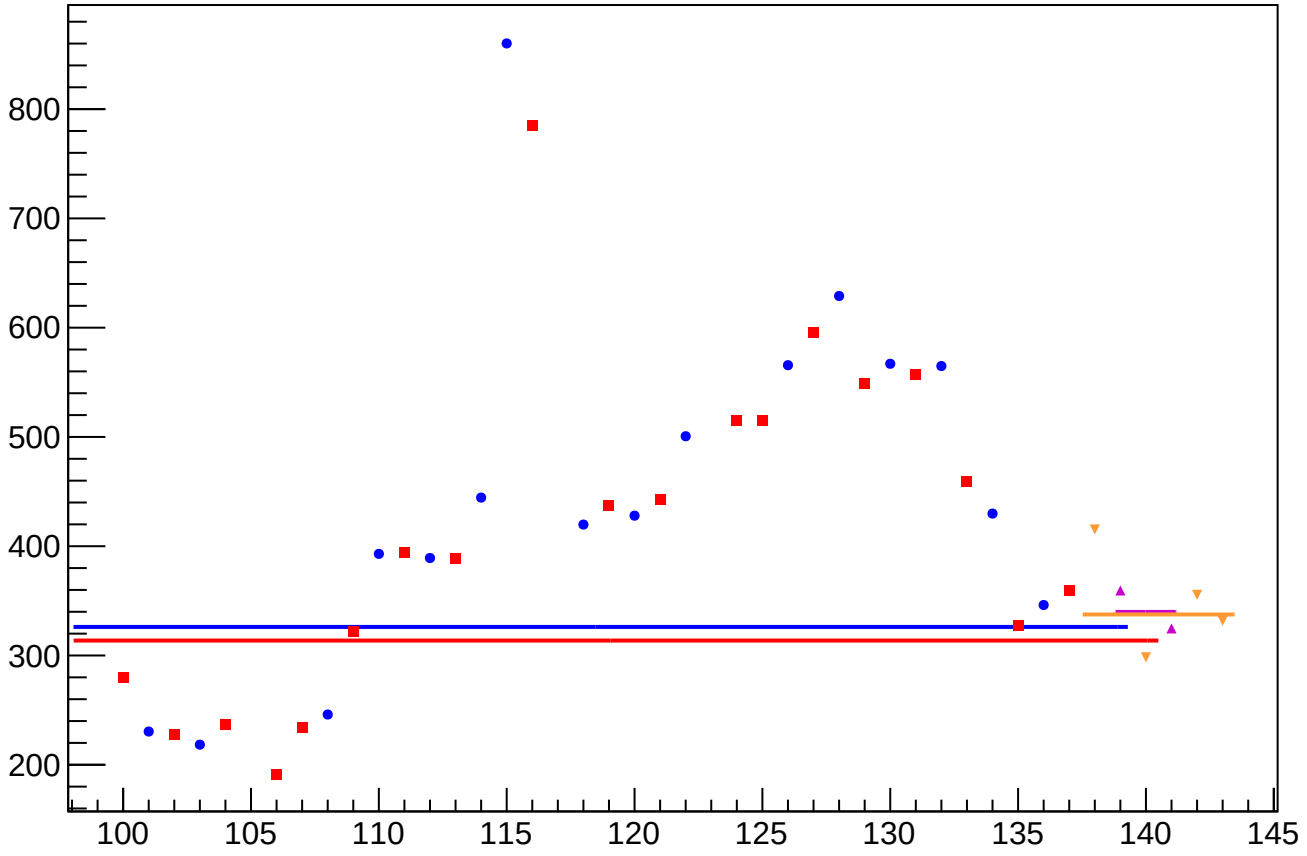
Left In: 285.061+/-260.051 χ^2/NDF:1.5/1

+ sign 16.893+/-108.956 χ^2/NDF: 17.5/19

All: 127.643+/-77.768 χ^2/NDF: 35.7/40

- sign 242.660+/-111.035 χ^2/NDF: 16.1/20

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 337.536+/-0.142 χ^2/NDF:86002.4/3

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

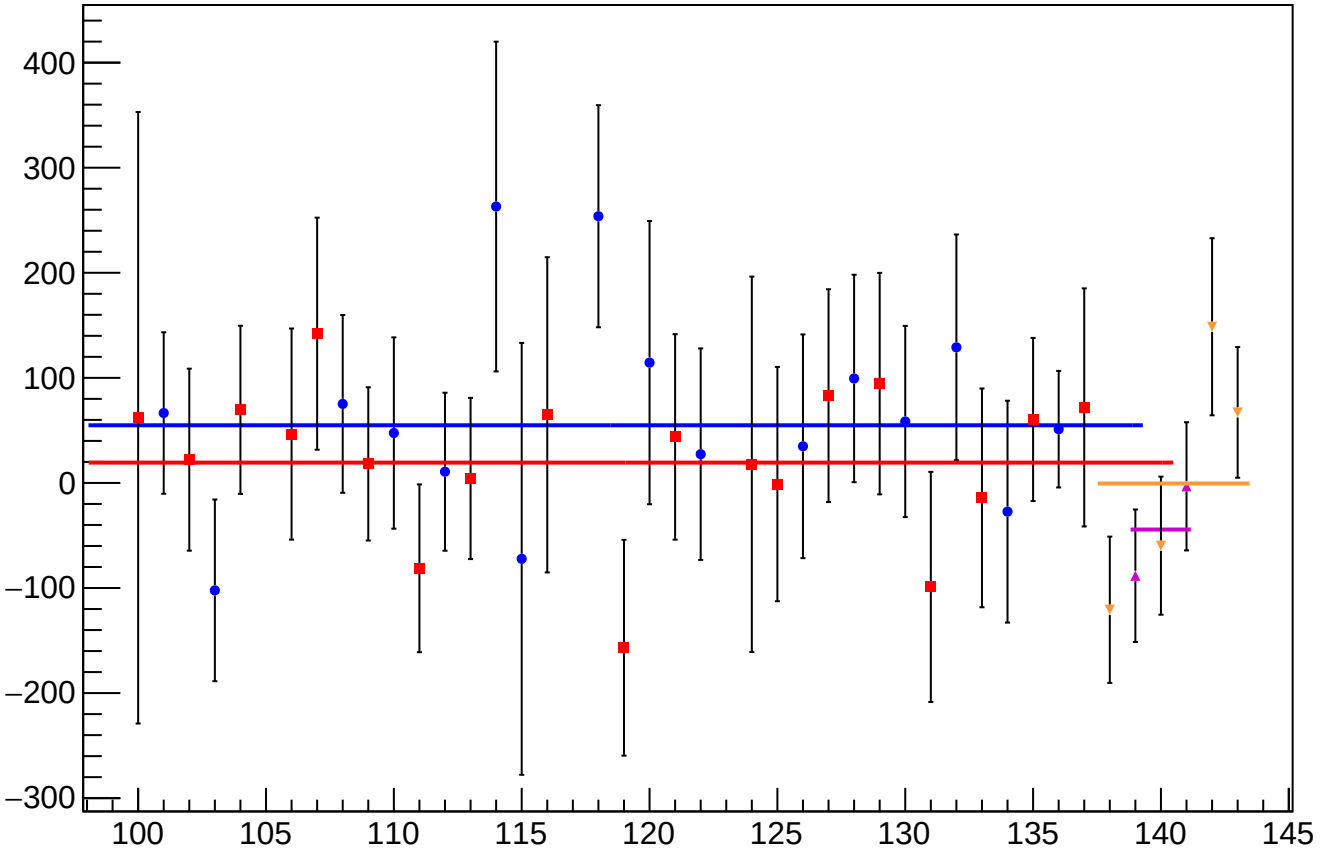
Left In: 339.855+/-0.184 χ^2/NDF:8752.9/1

+ sign 329.496+/-0.077 χ^2/NDF: 1824533.6/19

All: 324.075+/-0.055 χ^2/NDF: 3647303.9/40

- sign 318.445+/-0.079 χ^2/NDF: 1812678.4/20

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -0.558+/-34.554 χ^2/NDF:8.1/3

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

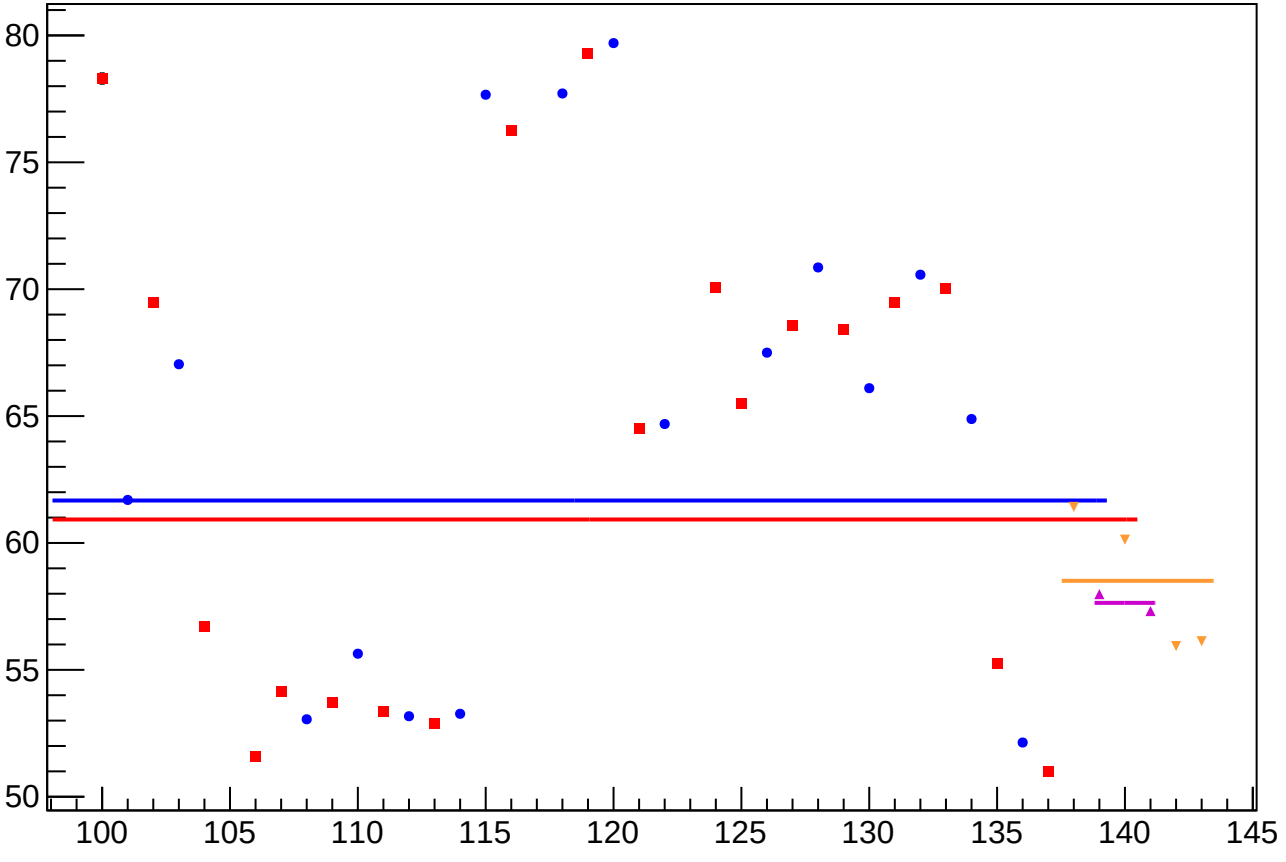
Left In: -44.360+/-43.841 χ^2/NDF:0.9/1

+ sign 37.674+/-19.249 χ^2/NDF: 20.9/19

All: 22.499+/-13.895 χ^2/NDF: 34.0/40

- sign 5.988+/-20.079 χ^2/NDF: 11.8/20

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.508+/-0.024 χ^2/NDF:9514.9/3

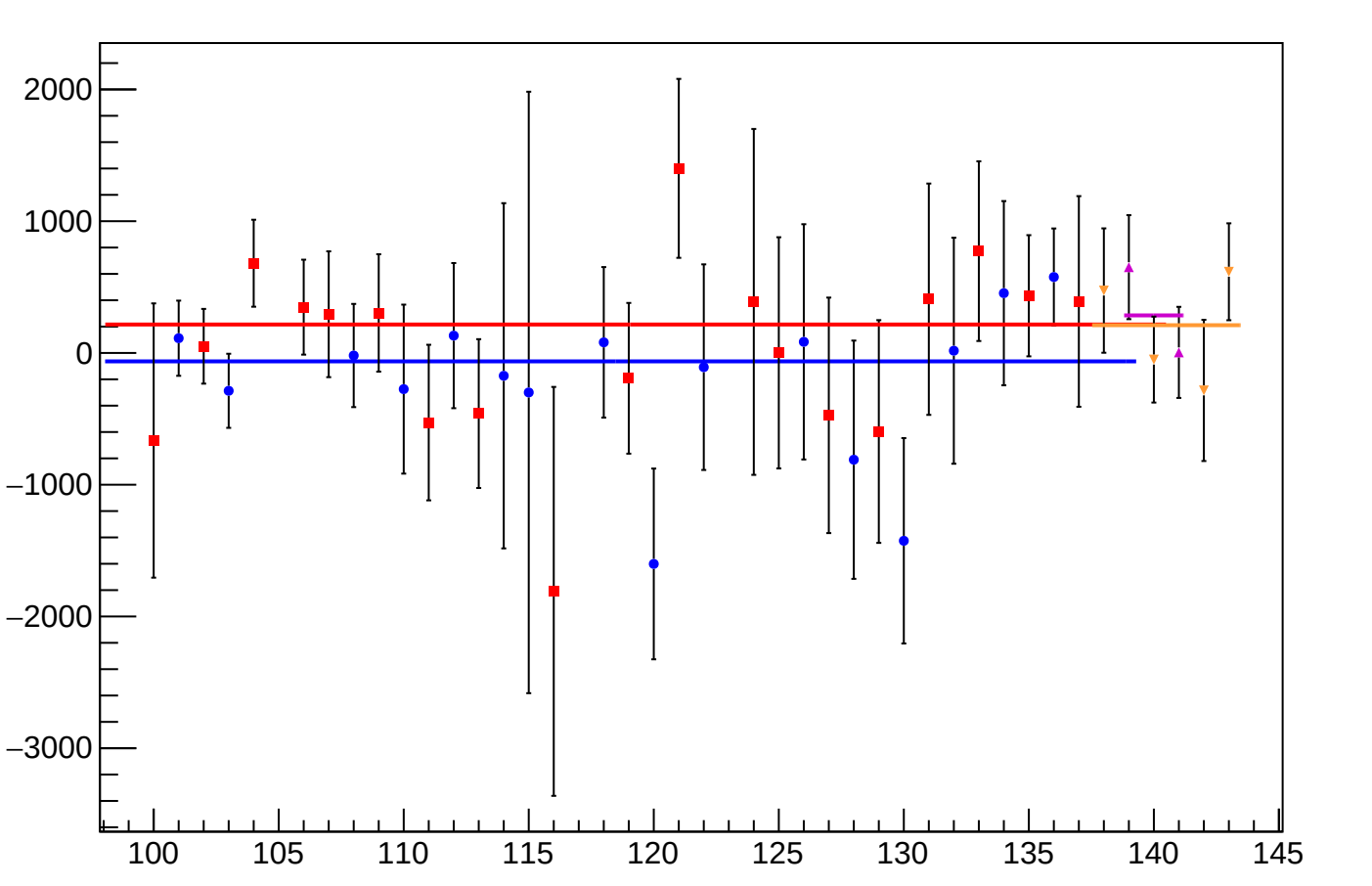
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

+ sign 60.691+/-0.014 χ^2/NDF: 288192.8/19

All: 60.473+/-0.010 χ^2/NDF: 585301.2/40

- sign 60.236+/-0.014 χ^2/NDF: 296574.6/20



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 210.726+/-200.939 χ^2/NDF:3.0/3

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

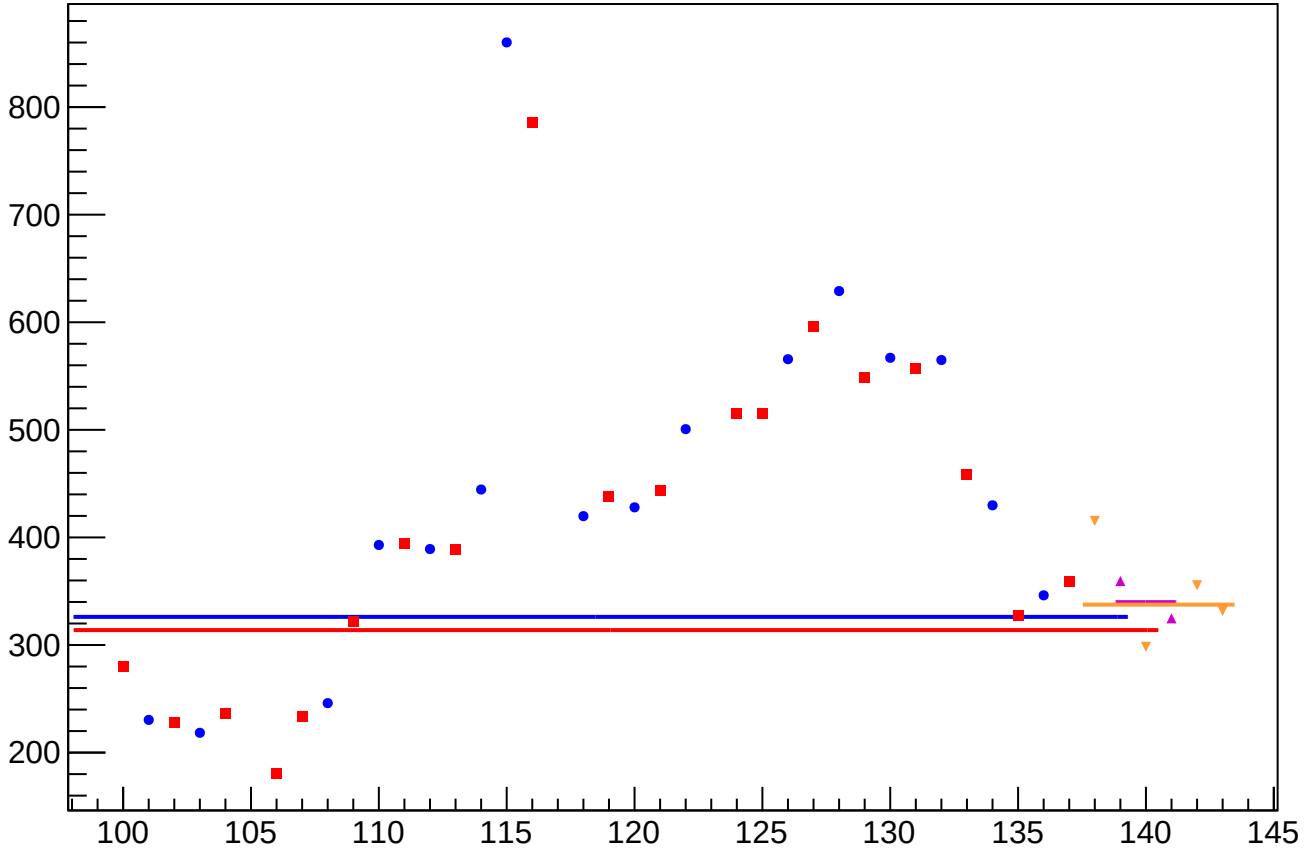
Left In: 285.063+/-260.051 χ^2/NDF:1.5/1

+ sign 16.902+/-108.956 χ^2/NDF: 17.5/19

All: 120.277+/-77.945 χ^2/NDF: 35.0/40

- sign 228.636+/-111.552 χ^2/NDF: 15.7/20

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 337.536+/-0.142 χ^2/NDF:86002.3/3

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

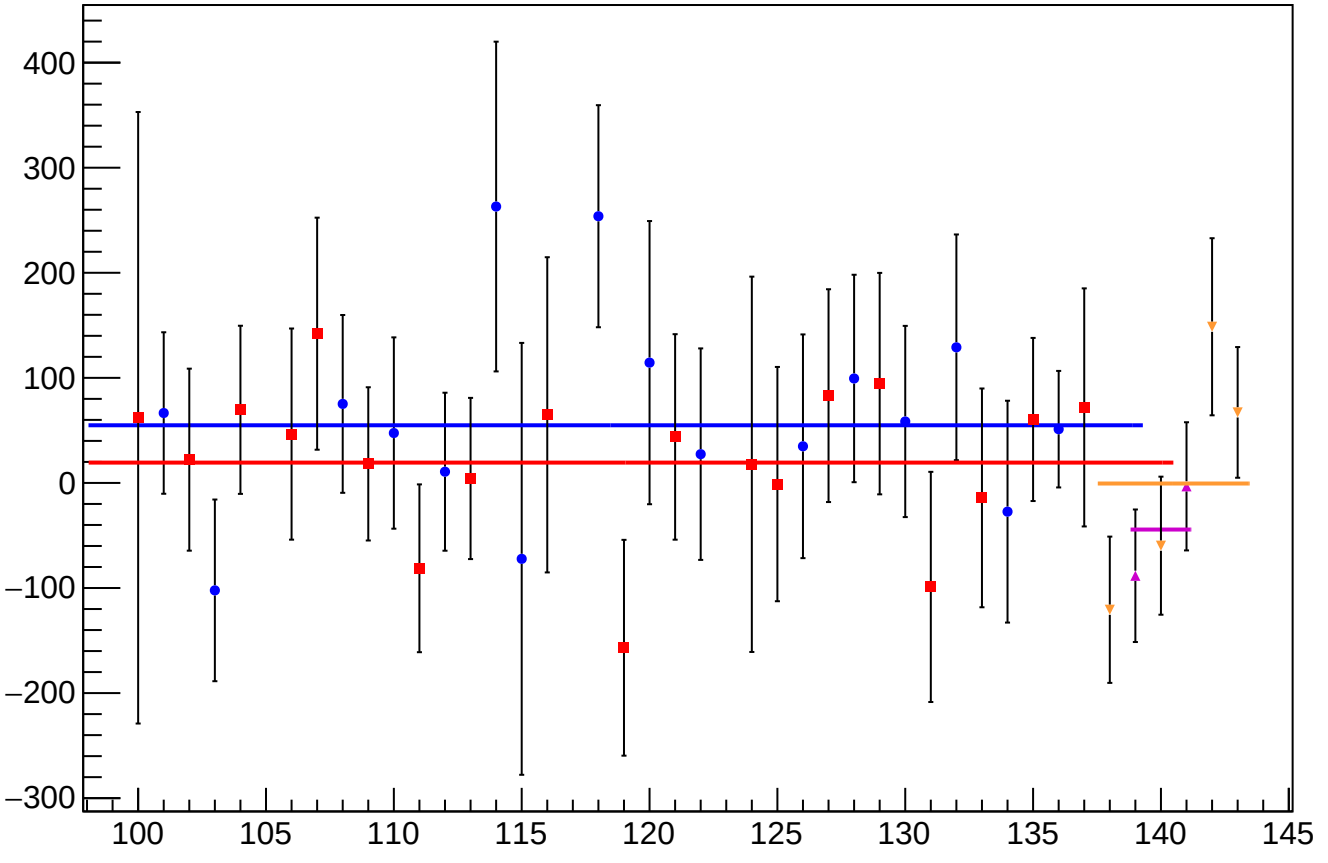
Left In: 339.855+/-0.184 χ^2/NDF:8752.5/1

+ sign 329.498+/-0.077 χ^2/NDF: 1824470.5/19

All: 324.199+/-0.055 χ^2/NDF: 3664998.5/40

- sign 318.644+/-0.079 χ^2/NDF: 1830838.0/20

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -0.558+/-34.554 χ^2/NDF:8.1/3

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

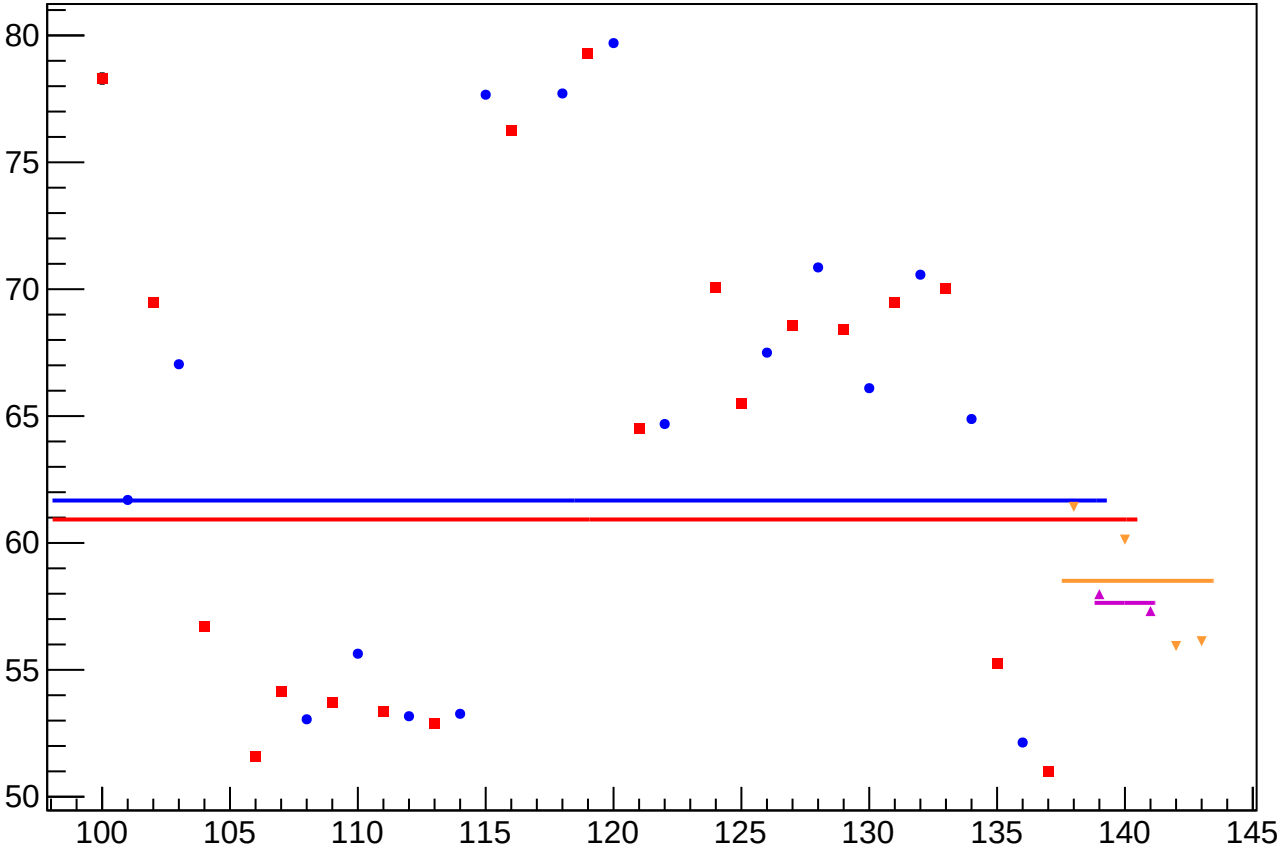
Left In: -44.360+/-43.841 χ^2/NDF:0.9/1

+ sign 37.674+/-19.249 χ^2/NDF: 20.9/19

All: 22.499+/-13.895 χ^2/NDF: 34.0/40

- sign 5.988+/-20.079 χ^2/NDF: 11.8/20

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.508+/-0.024 χ^2/NDF:9514.9/3

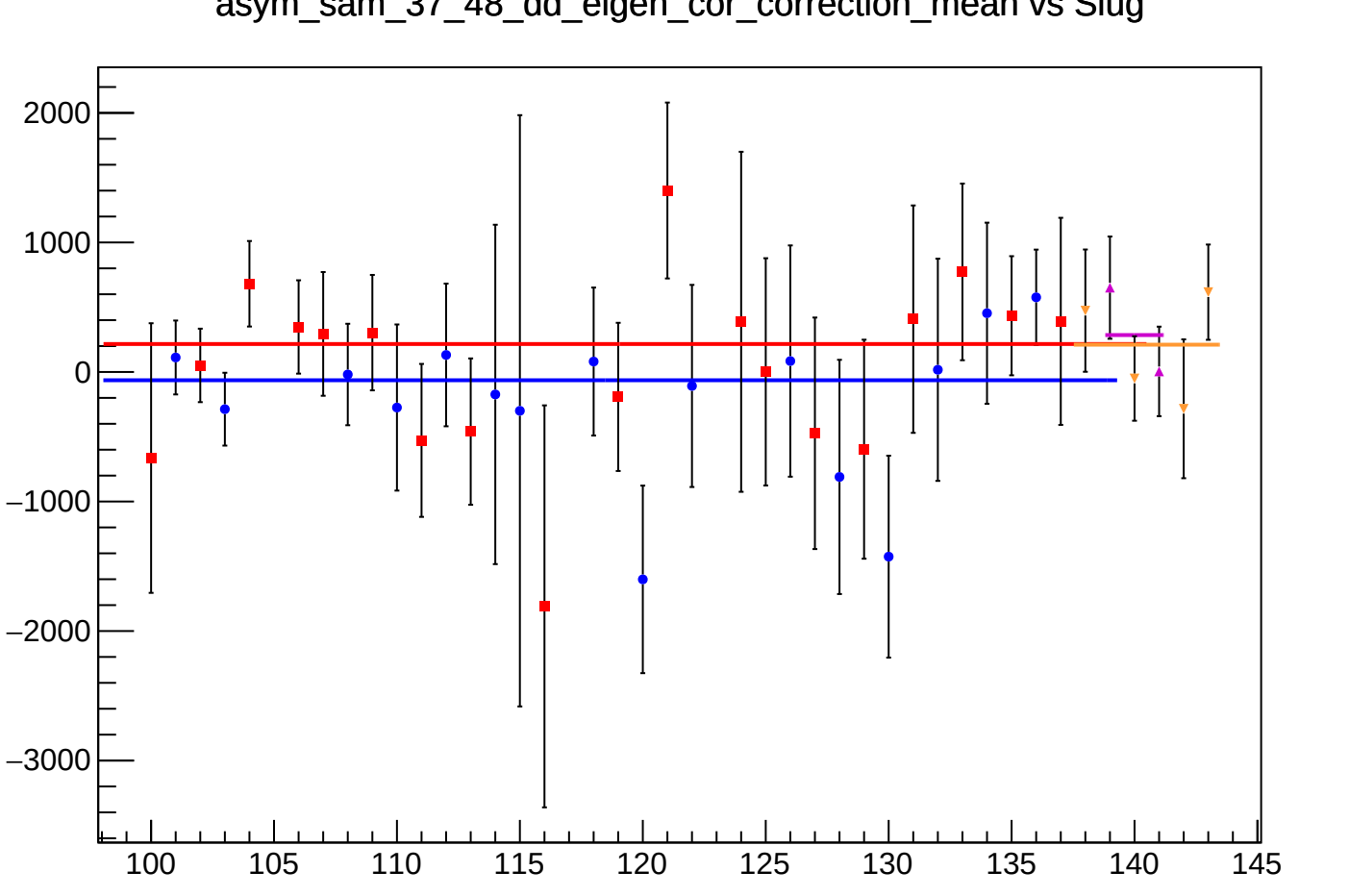
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

\+ sign 60.691+/-0.014 χ^2/NDF: 288192.8/19

All: 60.473+/-0.010 χ^2/NDF: 585301.2/40

\- sign 60.236+/-0.014 χ^2/NDF: 296574.6/20



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 210.726+/-200.939 χ^2/NDF:3.0/3

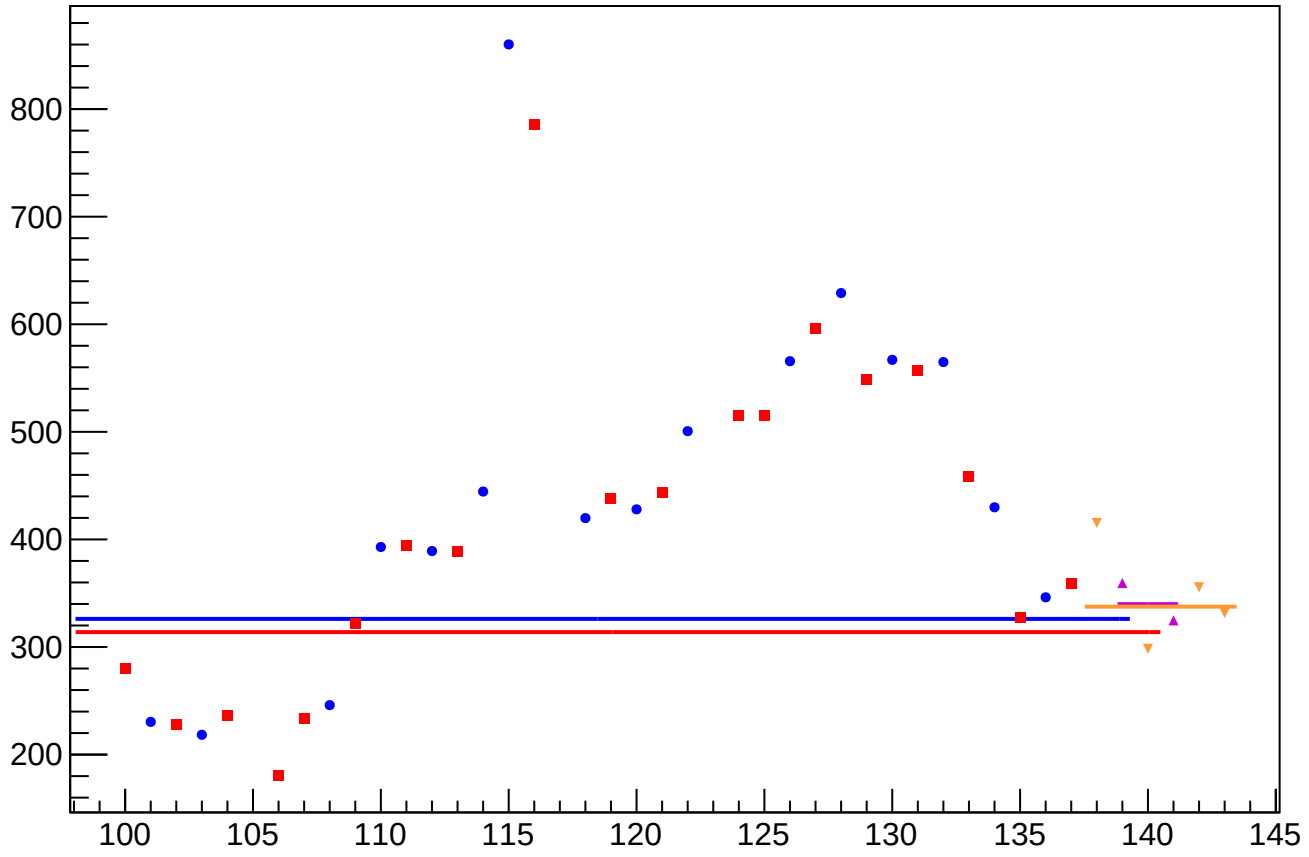
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 285.063+/-260.051 χ^2/NDF:1.5/1

+ sign 16.902+/-108.956 χ^2/NDF: 17.5/19

All: 120.277+/-77.945 χ^2/NDF: 35.0/40

- sign 228.636+/-111.552 χ^2/NDF: 15.7/20



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 337.536+/-0.142 χ^2/NDF:86002.3/3

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

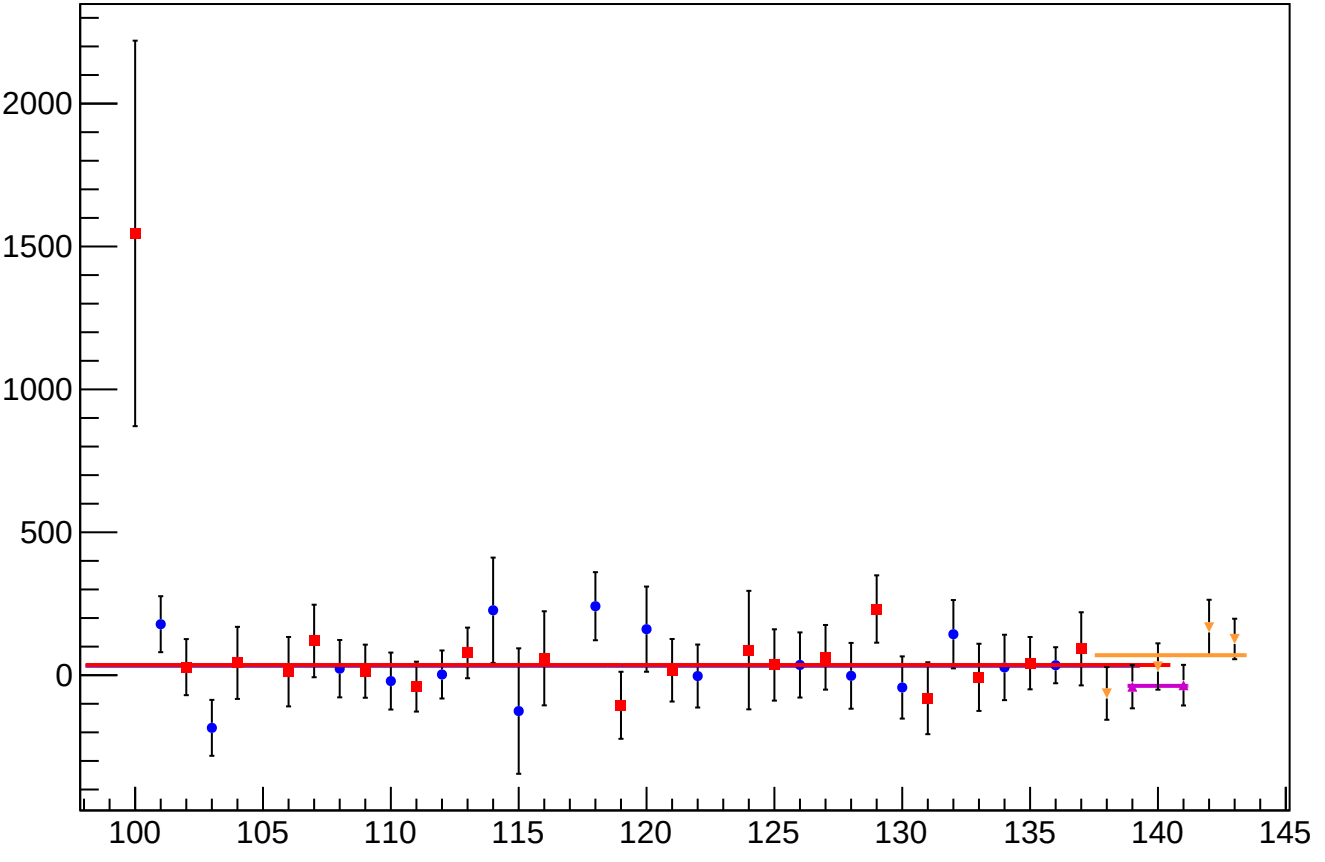
Left In: 339.855+/-0.184 χ^2/NDF:8752.5/1

\+ sign 329.498+/-0.077 χ^2/NDF: 1824470.5/19

All: 324.199+/-0.055 χ^2/NDF: 3664998.5/40

\- sign 318.644+/-0.079 χ^2/NDF: 1830838.0/20

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 69.932+/-41.650 χ^2/NDF:4.0/3

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

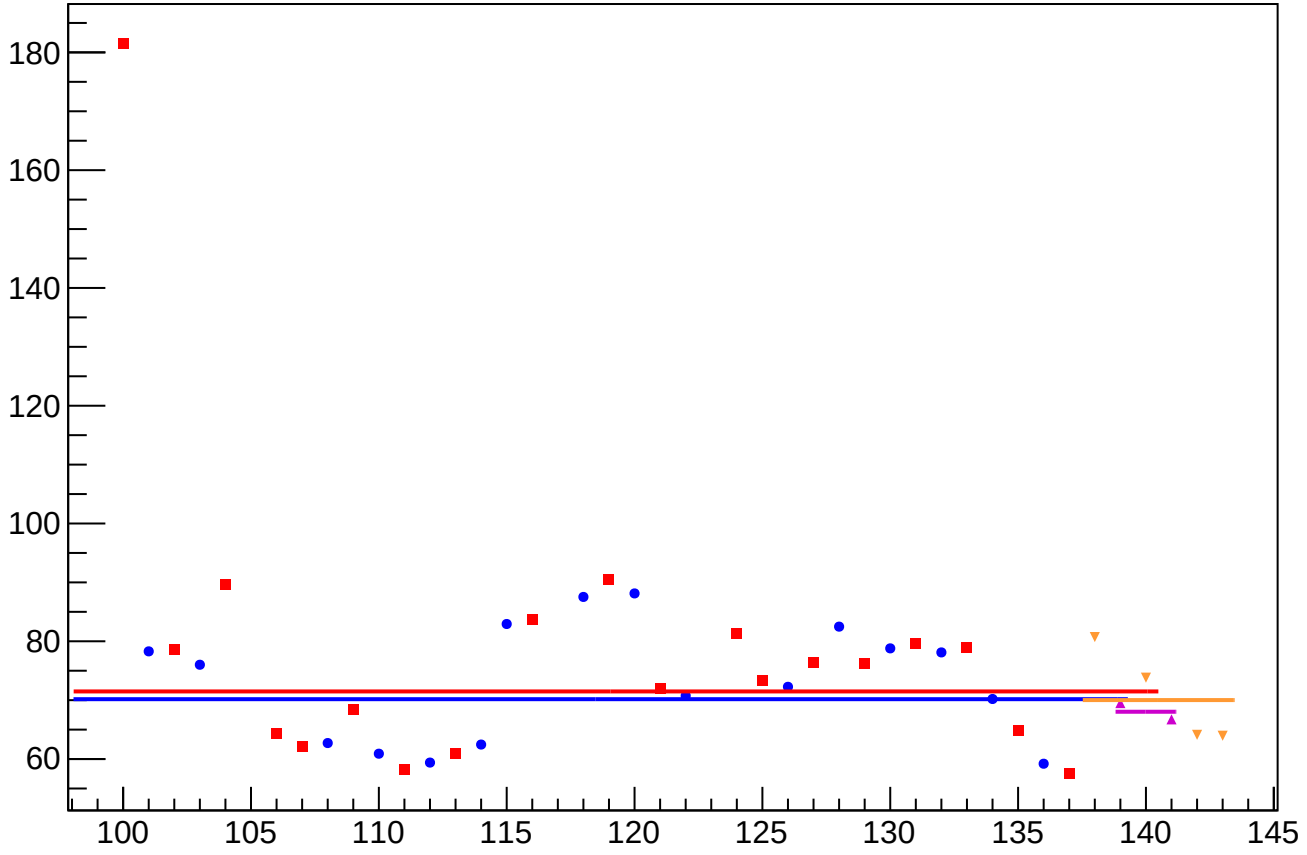
Left In: -37.332+/-51.869 χ^2/NDF:0.0/1

+ sign 43.878+/-22.307 χ^2/NDF: 19.1/19

All: 32.836+/-16.219 χ^2/NDF: 33.3/40

- sign 20.452+/-23.624 χ^2/NDF: 13.7/20

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 70.015+/-0.029 χ^2/NDF:53456.2/3

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

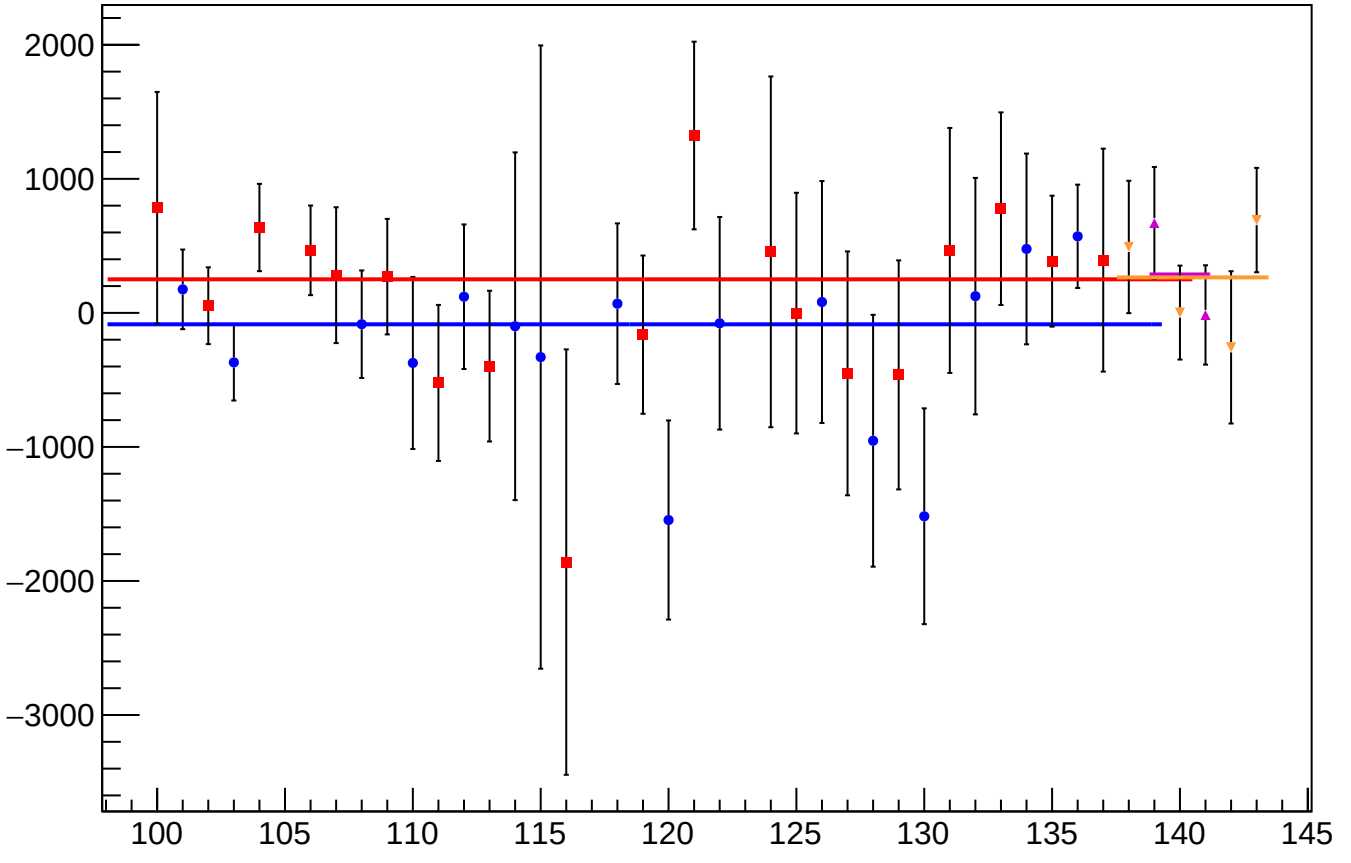
Left In: 68.034+/-0.037 χ^2/NDF:1412.5/1

+ sign 70.124+/-0.016 χ^2/NDF: 322725.2/19

All: 70.427+/-0.011 χ^2/NDF: 657647.7/40

- sign 70.768+/-0.017 χ^2/NDF: 334136.9/20

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 264.753+/-213.477 χ^2/NDF:2.8/3

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

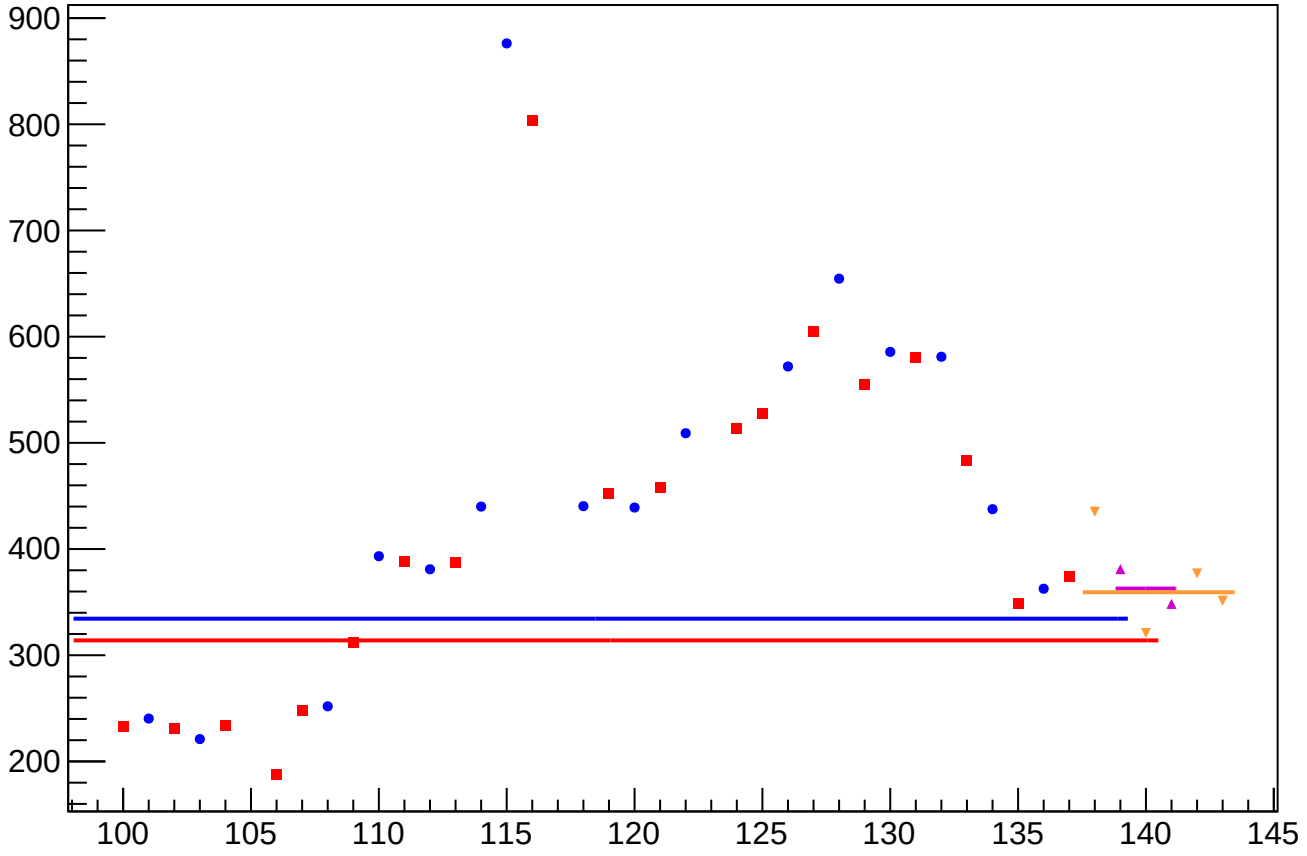
Left In: 286.666+/-277.302 χ^2/NDF:1.5/1

+ sign 12.534+/-112.809 χ^2/NDF: 18.5/19

All: 134.631+/-79.717 χ^2/NDF: 34.8/40

- sign 256.420+/-112.666 χ^2/NDF: 14.0/20

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 359.304+/-0.151 χ^2/NDF:73966.9/3

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

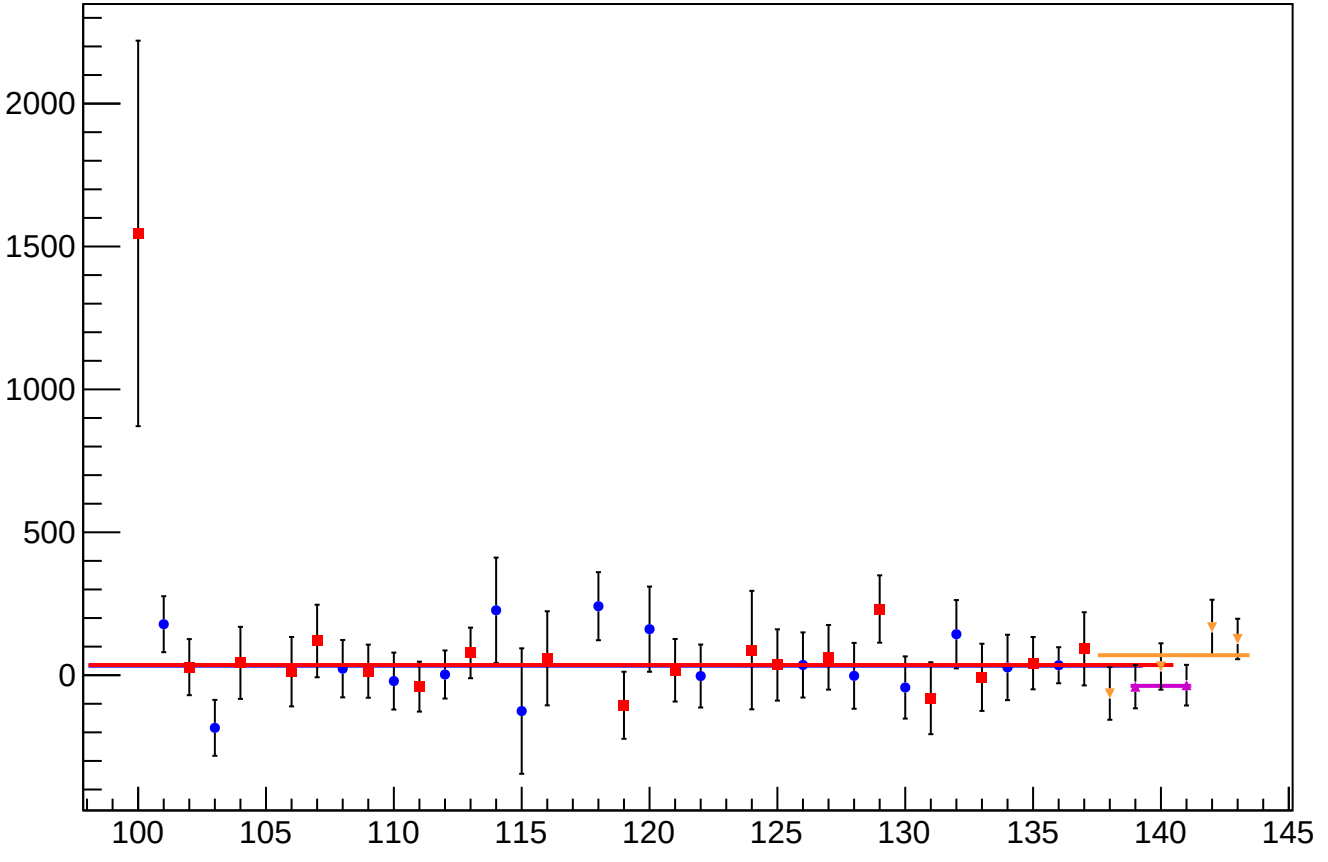
Left In: 362.796+/-0.196 χ^2/NDF:6850.0/1

+ sign 341.377+/-0.080 χ^2/NDF: 1824146.5/19

All: 331.691+/-0.056 χ^2/NDF: 3816815.9/40

- sign 322.031+/-0.080 χ^2/NDF: 1963223.0/20

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 69.931+/-41.650 χ^2/NDF:4.0/3

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

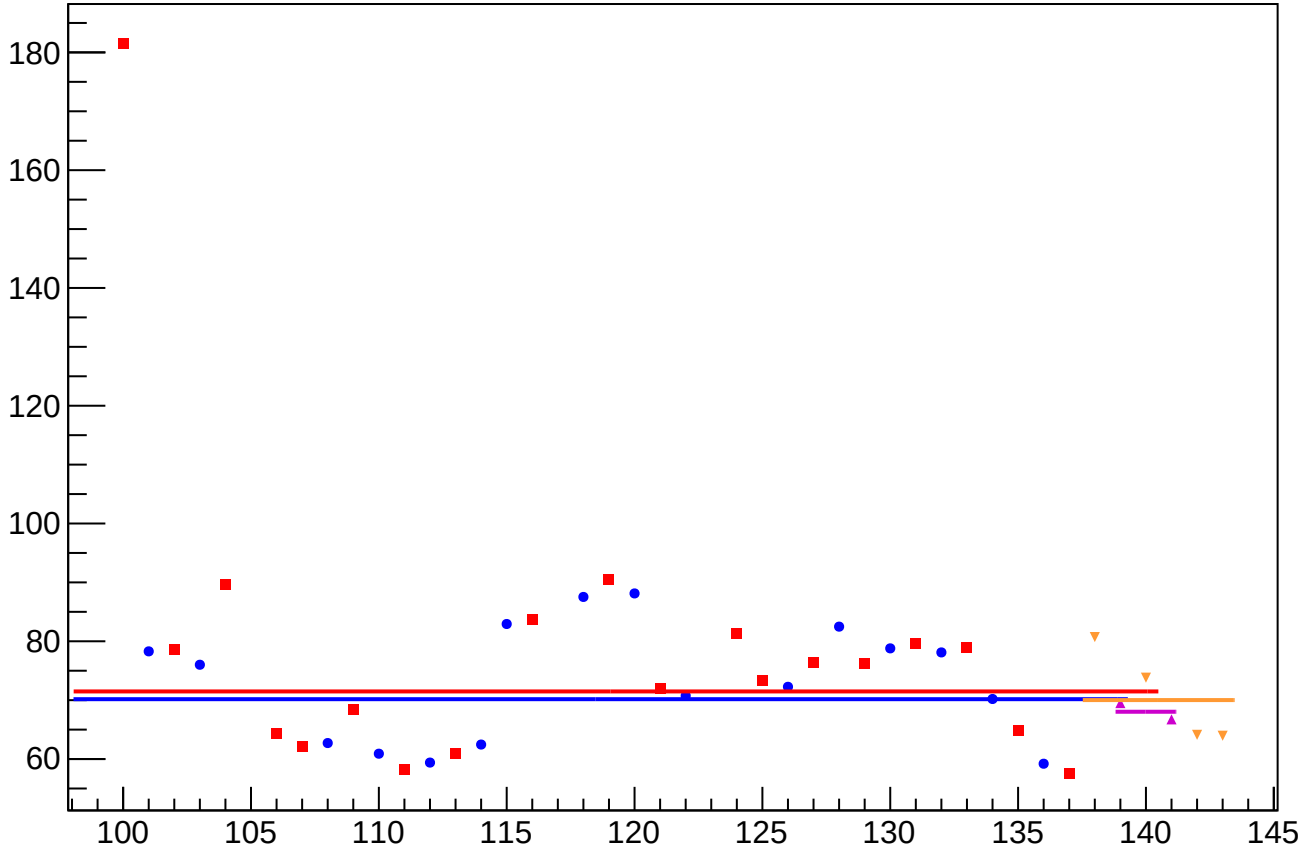
Left In: -37.334+/-51.869 χ^2/NDF:0.0/1

+ sign 43.877+/-22.307 χ^2/NDF: 19.1/19

All: 32.836+/-16.219 χ^2/NDF: 33.3/40

- sign 20.452+/-23.624 χ^2/NDF: 13.7/20

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 70.015+/-0.029 χ^2/NDF:53453.1/3

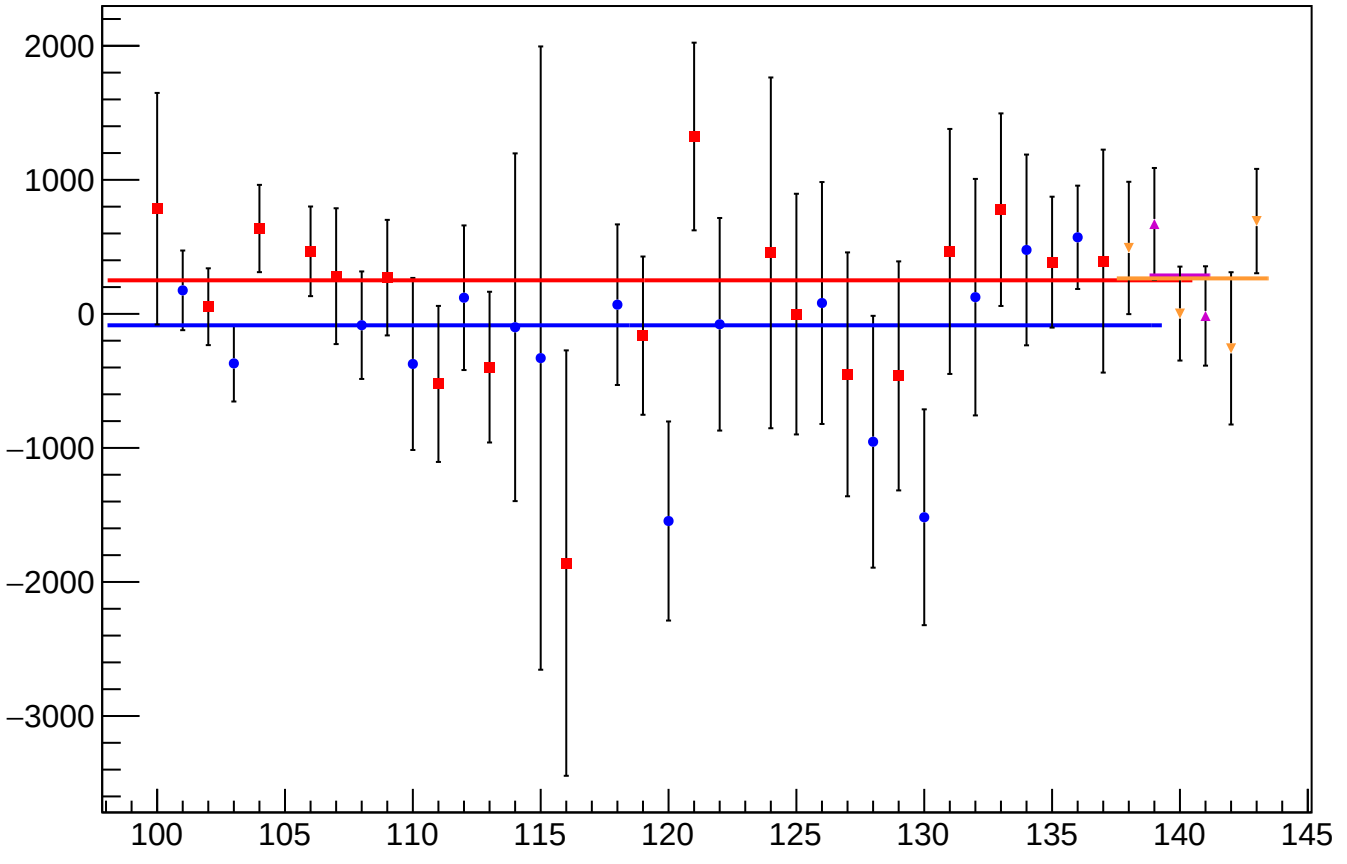
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.034+/-0.037 χ^2/NDF:1412.4/1

+ sign 70.124+/-0.016 χ^2/NDF: 322725.2/19

All: 70.427+/-0.011 χ^2/NDF: 657655.6/40

- sign 70.768+/-0.017 χ^2/NDF: 334144.9/20



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 264.753+/-213.477 χ^2/NDF:2.8/3

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

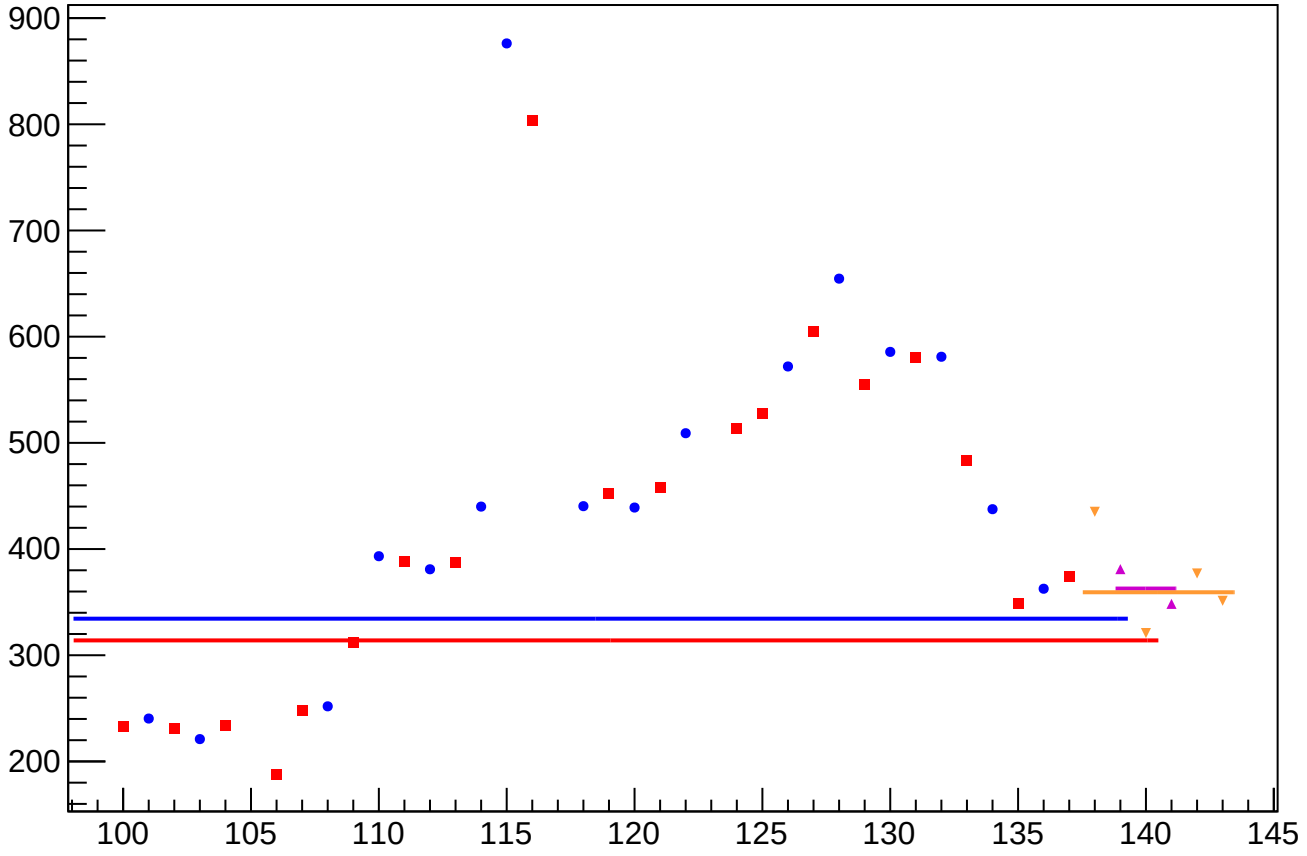
Left In: 286.665+/-277.302 χ^2/NDF:1.5/1

+ sign 12.533+/-112.809 χ^2/NDF: 18.5/19

All: 134.631+/-79.717 χ^2/NDF: 34.8/40

- sign 256.420+/-112.666 χ^2/NDF: 14.0/20

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: 359.304+/-0.151 χ^2/NDF:73966.6/3

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

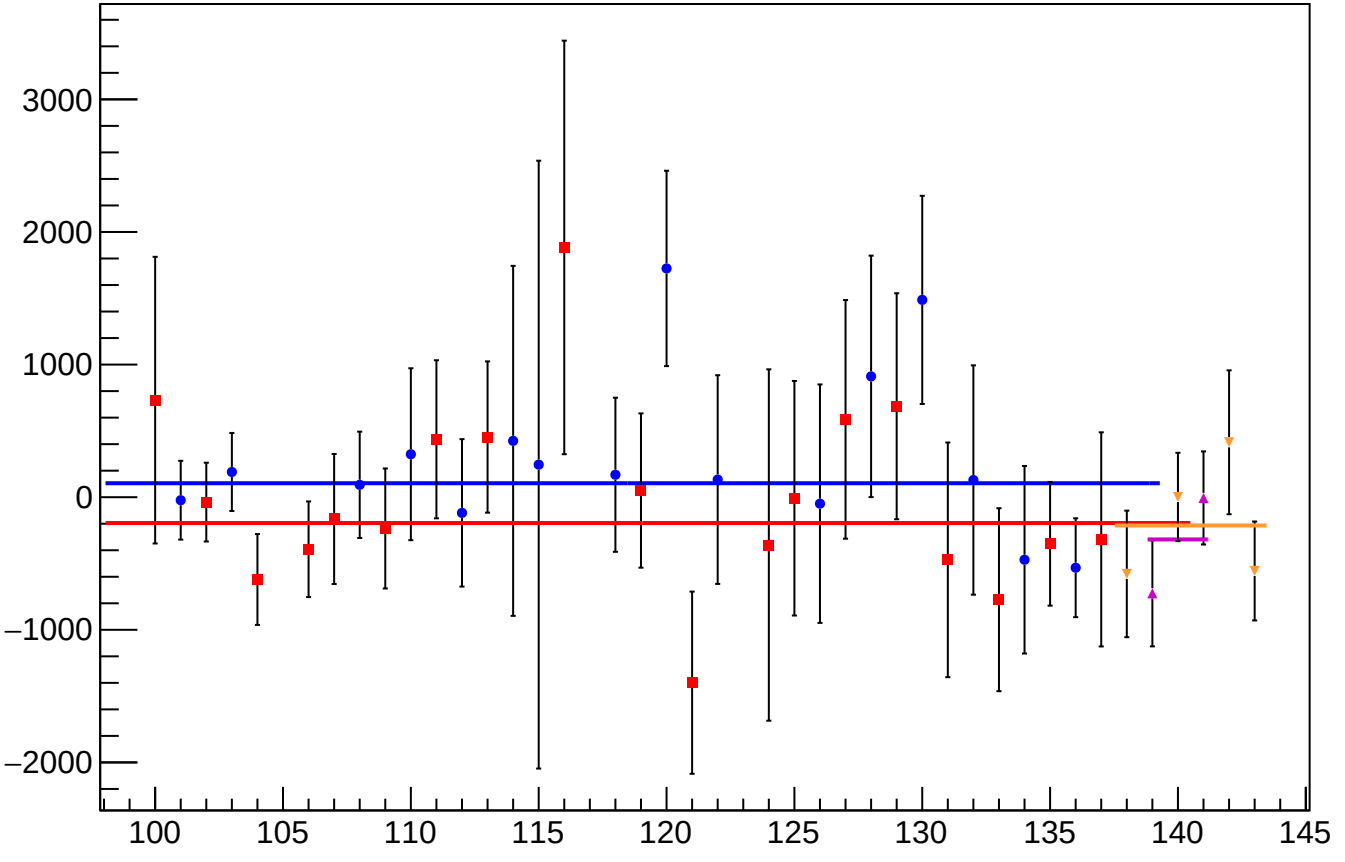
Left In: 362.796+/-0.196 χ^2/NDF:6850.2/1

\+ sign 341.377+/-0.080 χ^2/NDF: 1824144.5/19

All: 331.691+/-0.056 χ^2/NDF: 3816812.1/40

\- sign 322.031+/-0.080 χ^2/NDF: 1963220.8/20

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -213.170+/-204.135 χ^2/NDF:3.2/3

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

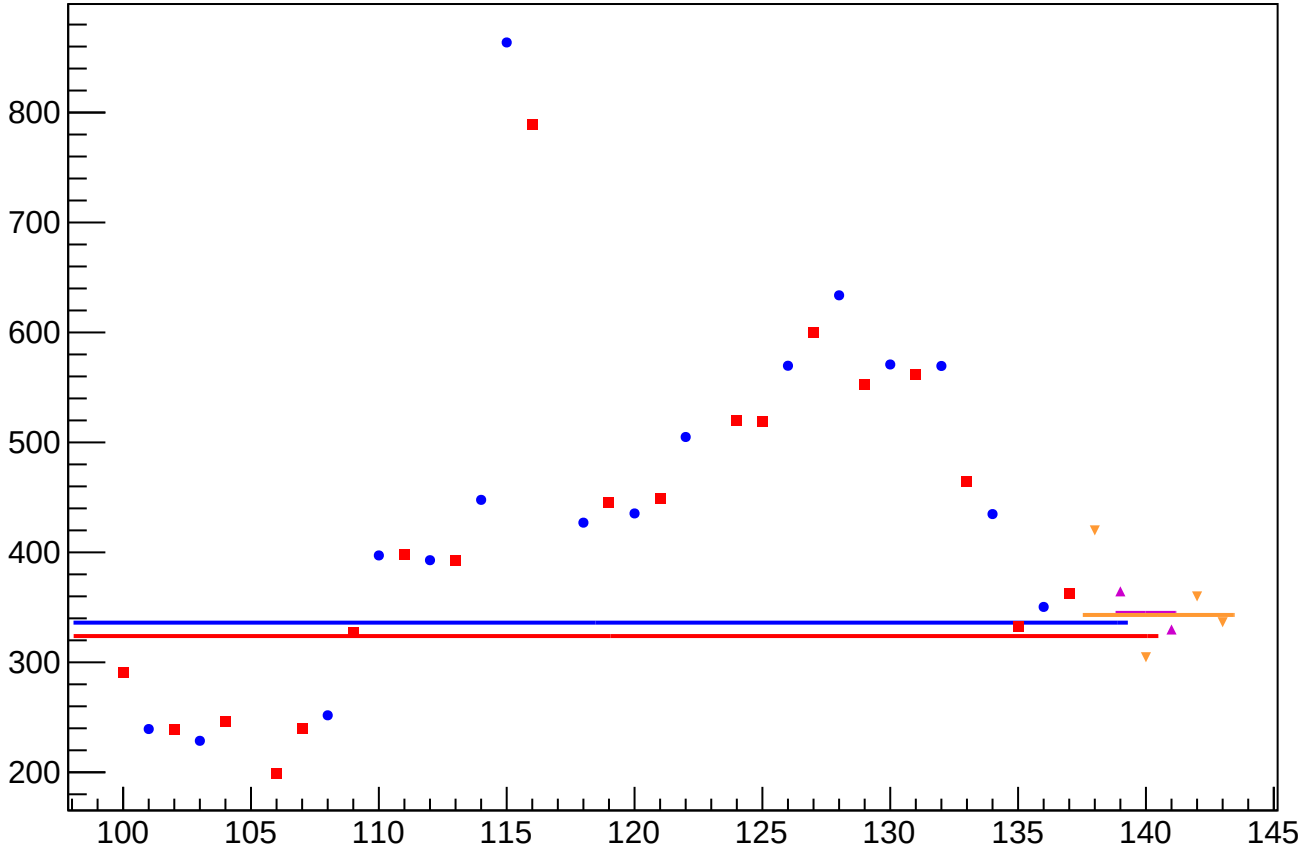
Left In: -318.440+/-263.879 χ^2/NDF:1.8/1

+ sign 10.415+/-111.462 χ^2/NDF: 17.9/19

All: -101.248+/-79.646 χ^2/NDF: 35.0/40

- sign -217.743+/-113.849 χ^2/NDF: 15.1/20

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 343.089+/-0.144 χ^2/NDF:81194.3/3

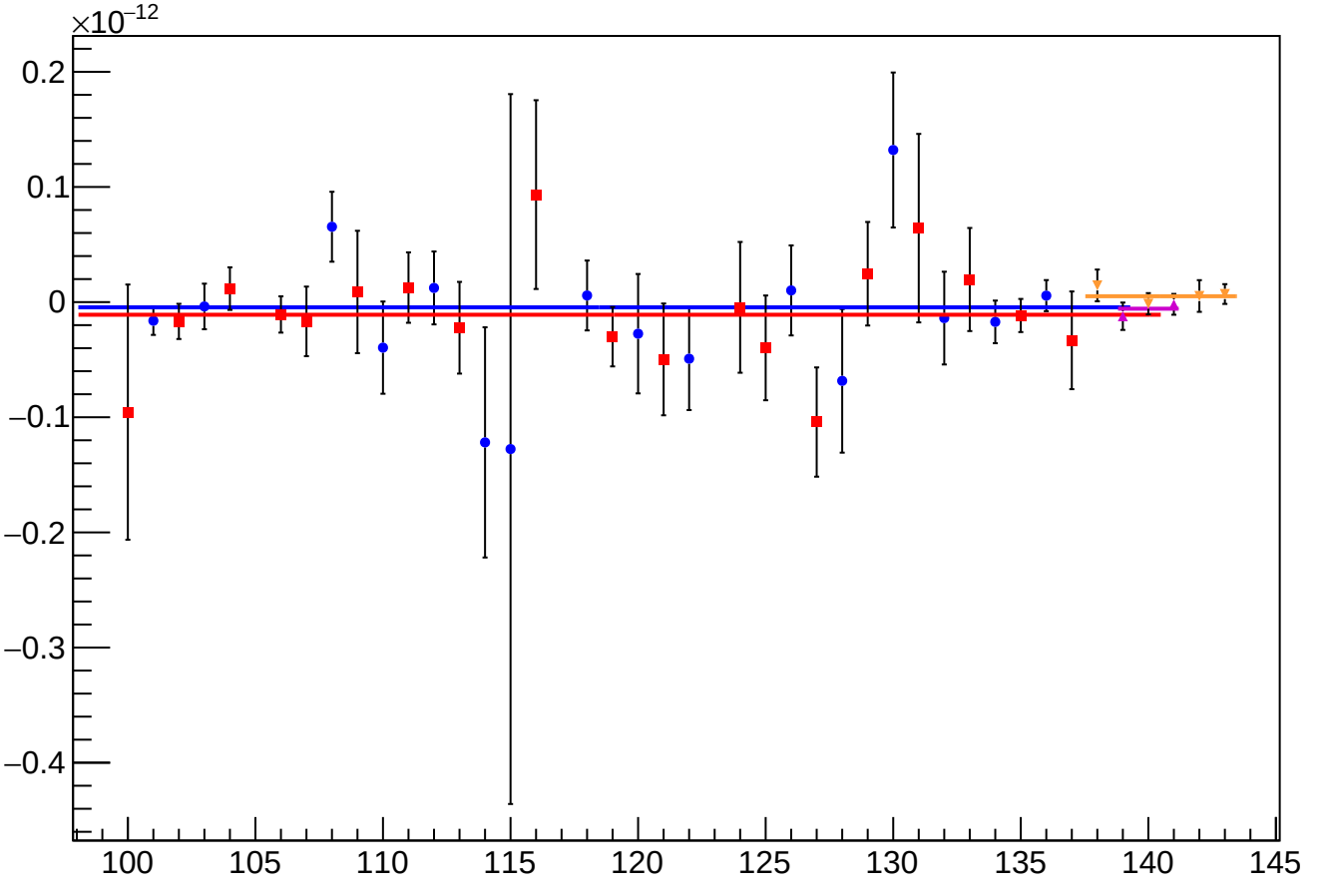
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 344.960+/-0.187 χ^2/NDF:8493.8/1

+ sign 338.178+/-0.079 χ^2/NDF: 1701840.4/19

All: 333.103+/-0.056 χ^2/NDF: 3394609.4/40

- sign 327.808+/-0.081 χ^2/NDF: 1684297.1/20



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

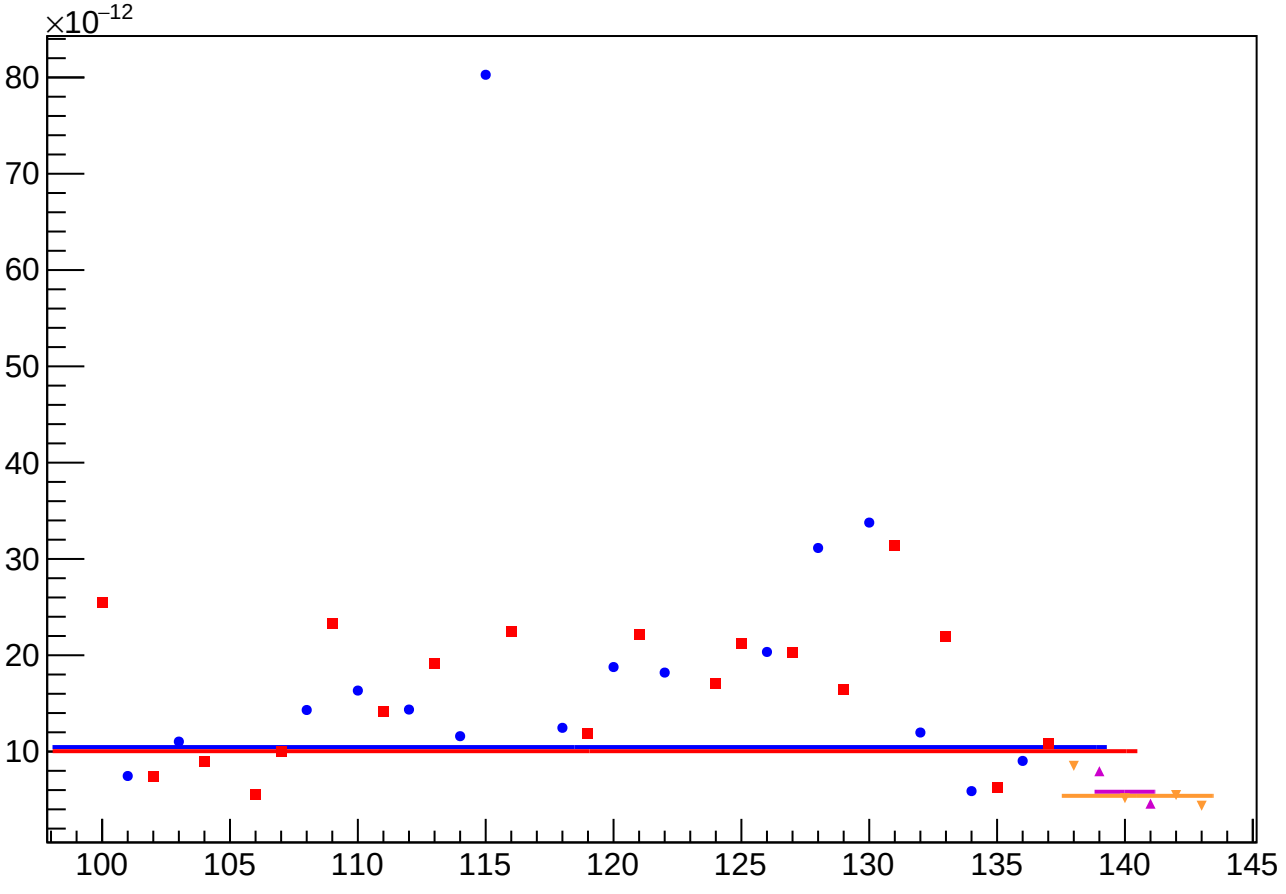
Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.9/19

All: -0.000+/-0.000 χ^2/NDF: 34.5/40

- sign -0.000+/-0.000 χ^2/NDF: 13.1/20

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:132235.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

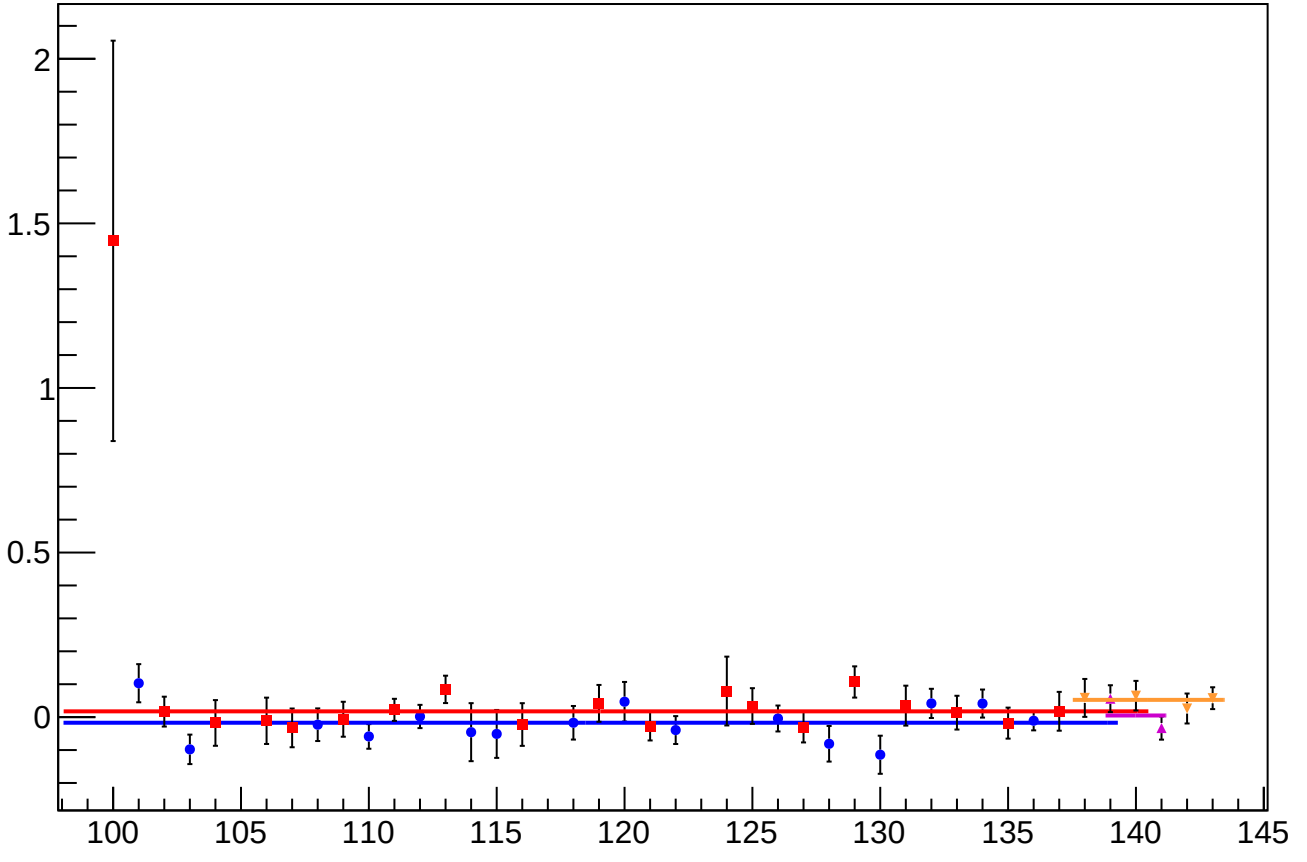
Left In: 0.000+/-0.000 χ^2/NDF:101646.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 2054058.7/19

All: 0.000+/-0.000 χ^2/NDF: 3980544.2/40

- sign 0.000+/-0.000 χ^2/NDF: 1899196.3/20

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: 0.052+/-0.021 χ^2/NDF:0.4/3

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

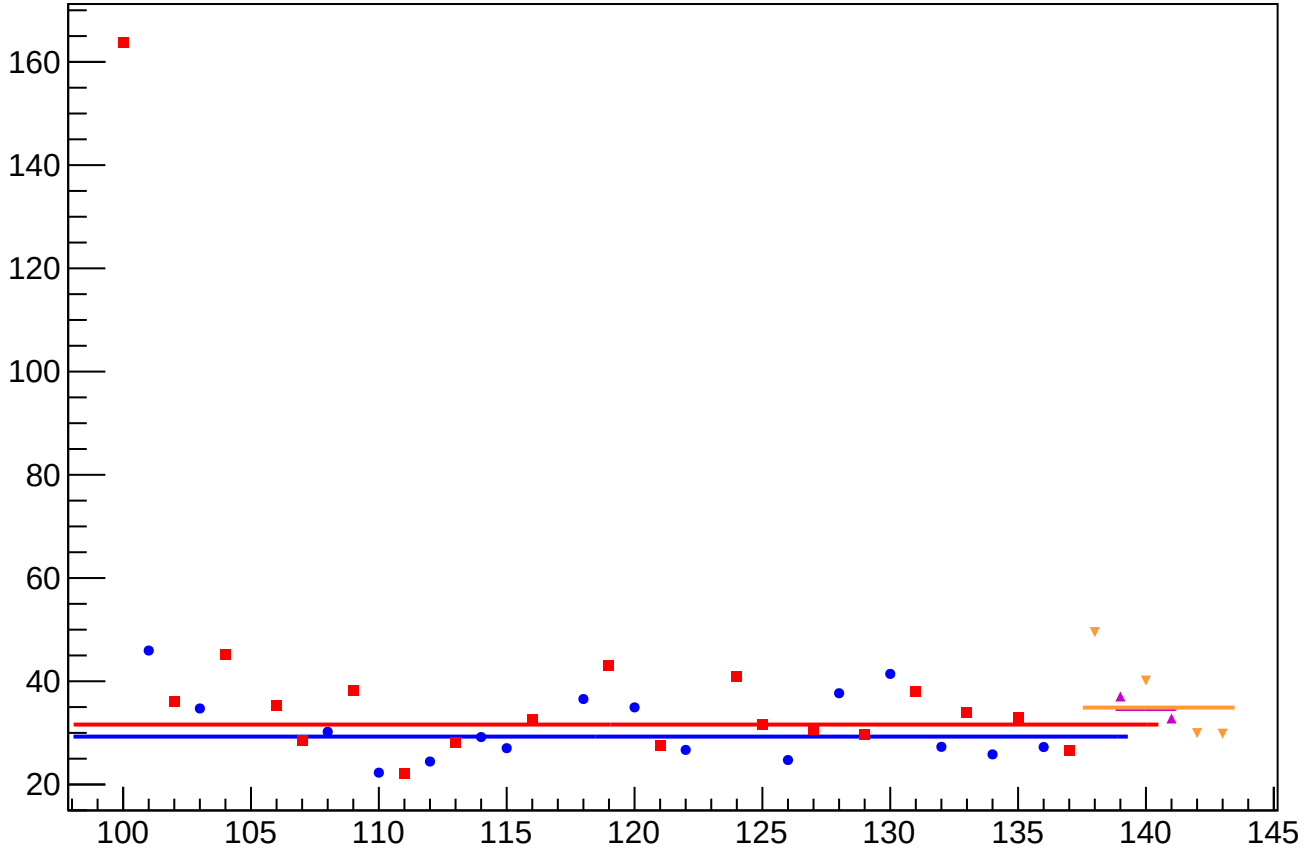
Left In: 0.005+/-0.027 χ^2/NDF:2.7/1

+ sign -0.002+/-0.010 χ^2/NDF: 27.5/19

All: 0.006+/-0.007 χ^2/NDF: 48.6/40

- sign 0.015+/-0.011 χ^2/NDF: 19.7/20

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: 34.900+/-0.015 χ^2/NDF:225903.4/3

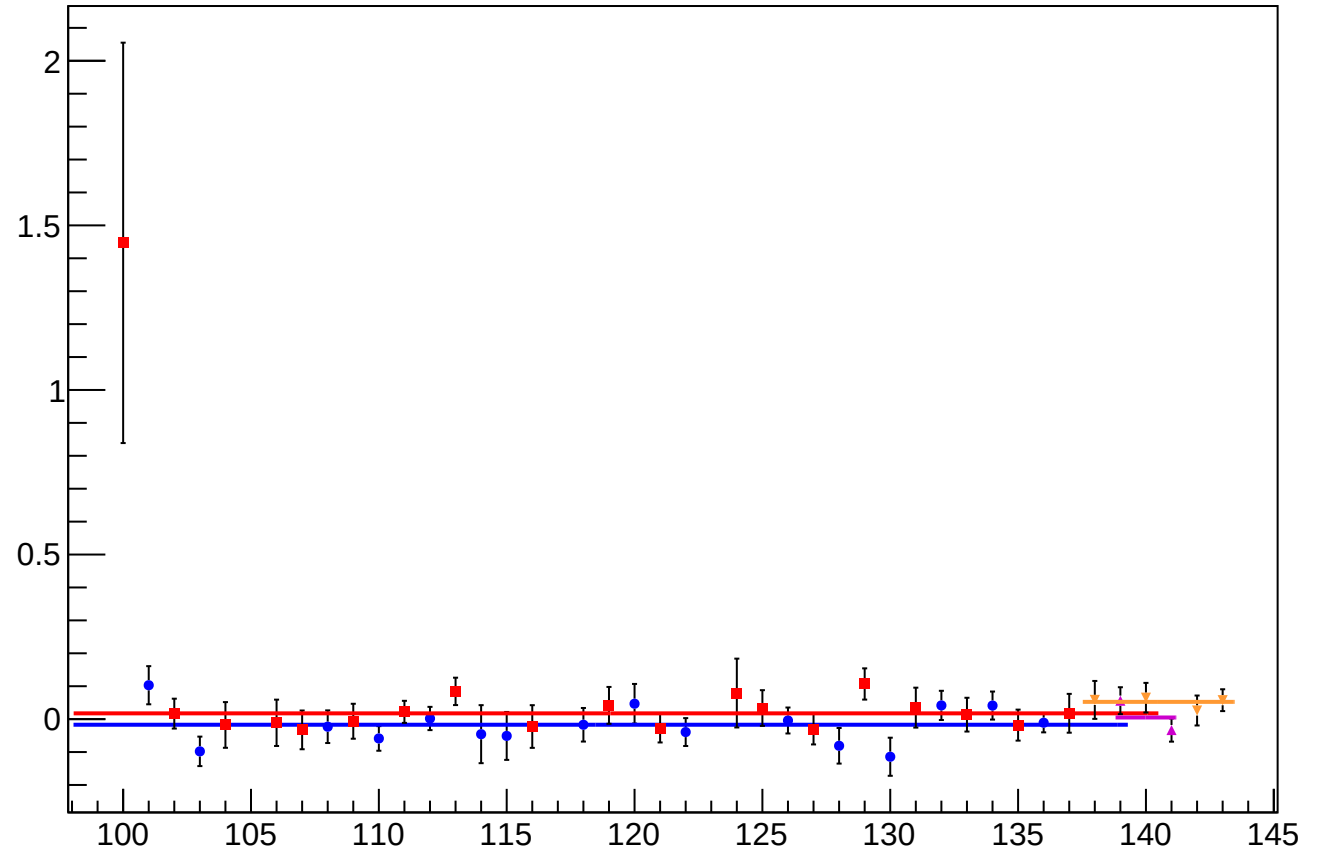
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 34.616+/-0.019 χ^2/NDF:12514.6/1

+ sign 30.513+/-0.007 χ^2/NDF: 894416.5/19

All: 31.243+/-0.005 χ^2/NDF: 1523510.2/40

- sign 32.125+/-0.008 χ^2/NDF: 605683.1/20



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

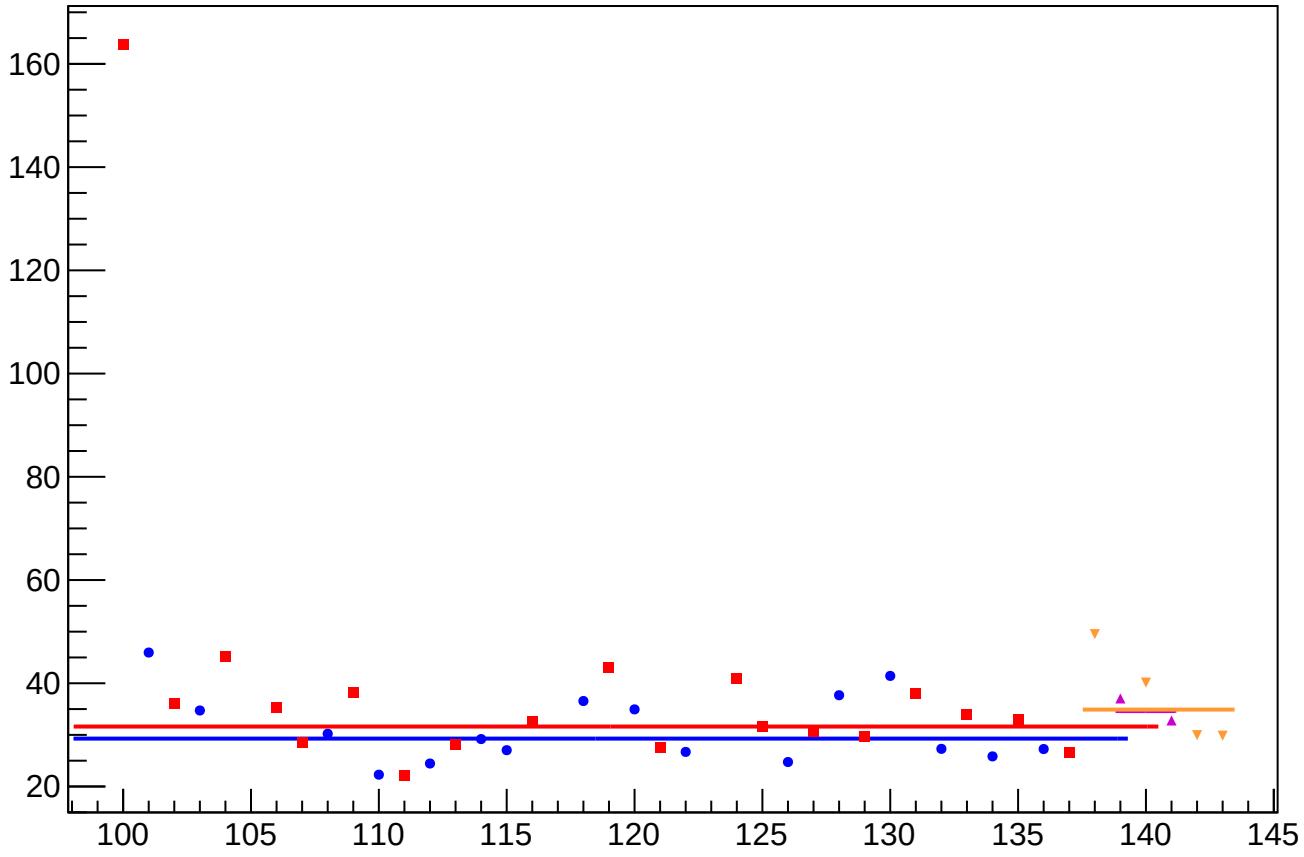
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.005+/-0.027 χ^2/NDF:2.7/1

+ sign -0.002+/-0.010 χ^2/NDF: 27.5/19

All: 0.006+/-0.007 χ^2/NDF: 48.6/40

- sign 0.015+/-0.011 χ^2/NDF: 19.7/20



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 34.900+/-0.015 χ^2/NDF:225903.4/3

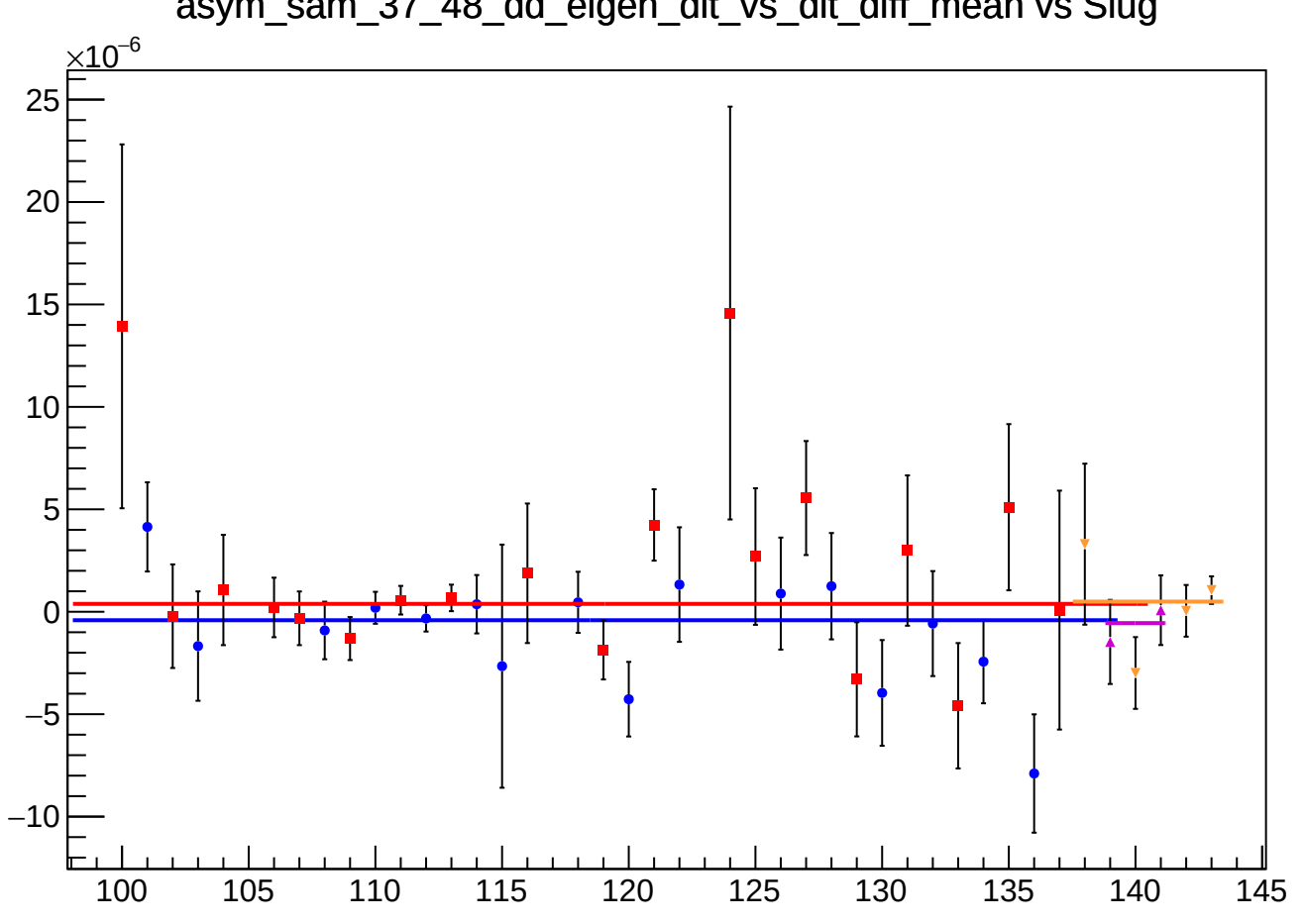
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

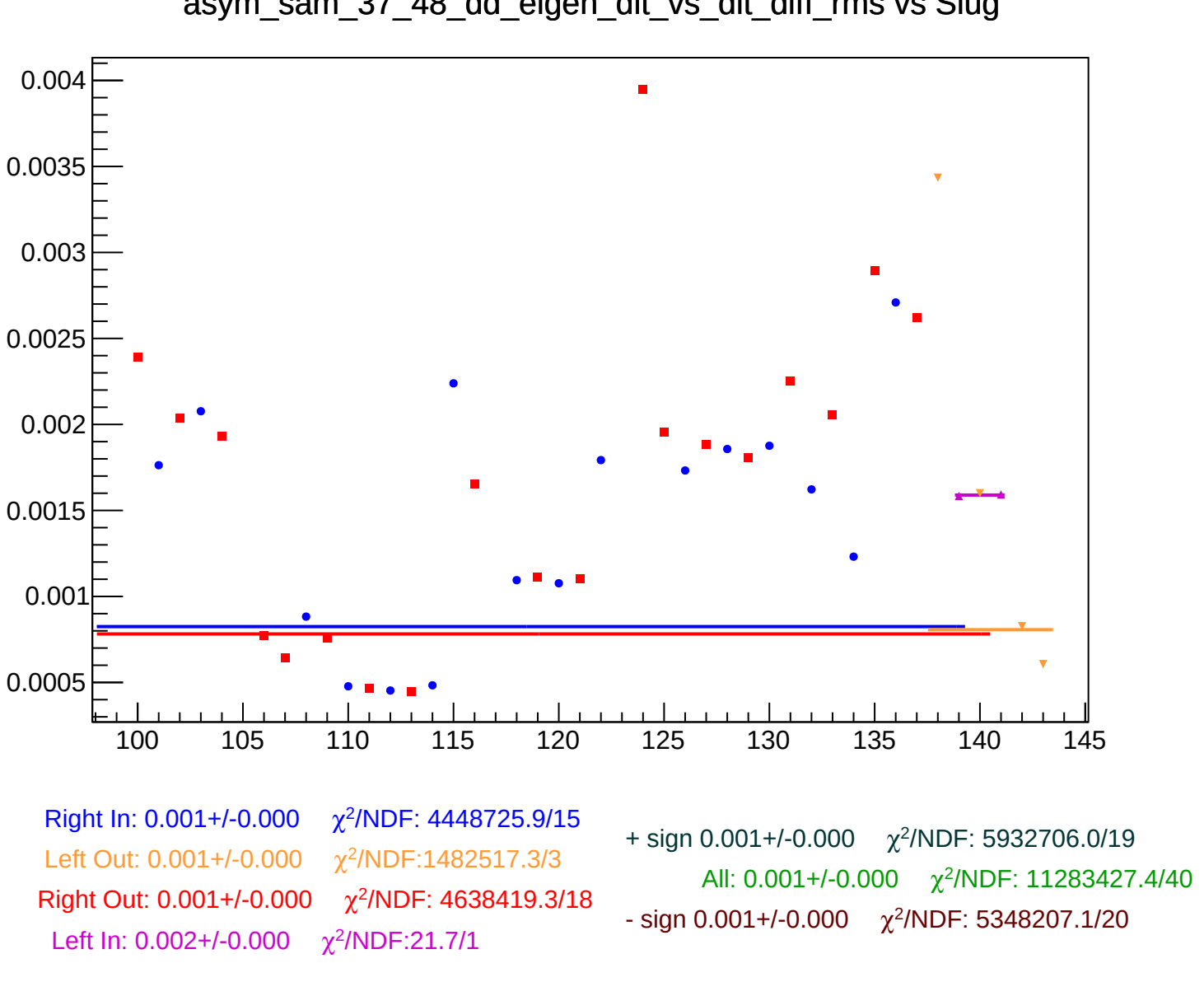
Left In: 34.616+/-0.019 χ^2/NDF:12514.6/1

+ sign 30.513+/-0.007 χ^2/NDF: 894416.5/19

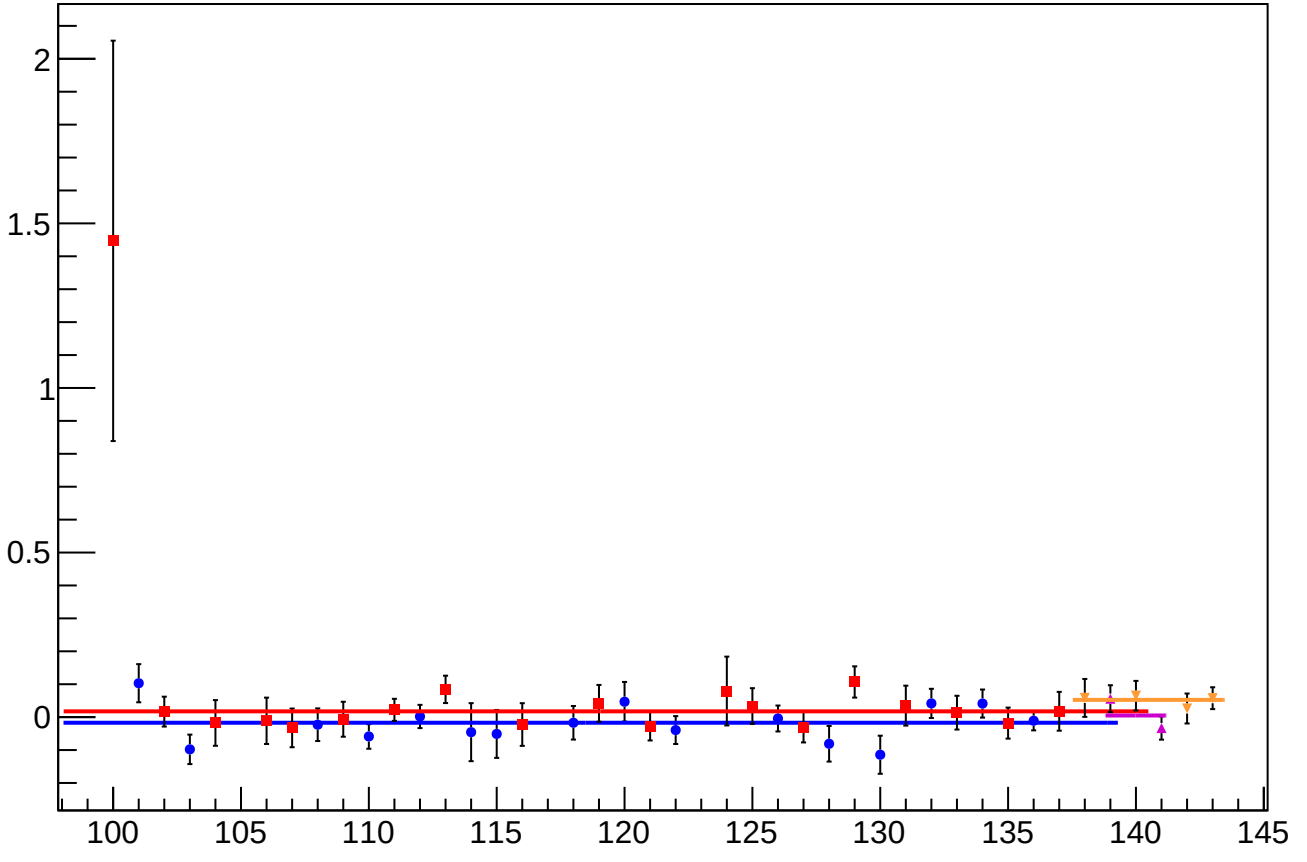
All: 31.243+/-0.005 χ^2/NDF: 1523510.2/40

- sign 32.125+/-0.008 χ^2/NDF: 605683.1/20


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:5.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/18
Left In: -0.000+/-0.000 χ²/NDF:0.3/1
+ sign -0.000+/-0.000 χ²/NDF: 28.4/19
All: 0.000+/-0.000 χ²/NDF: 55.5/40
- sign 0.000+/-0.000 χ²/NDF: 26.1/20


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1482517.3/3
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.002+/-0.000 χ²/NDF:21.7/1
+ sign 0.001+/-0.000 χ²/NDF: 5932706.0/19
All: 0.001+/-0.000 χ²/NDF: 11283427.4/40
- sign 0.001+/-0.000 χ²/NDF: 5348207.1/20

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: 0.052+/-0.021 χ^2/NDF:0.4/3

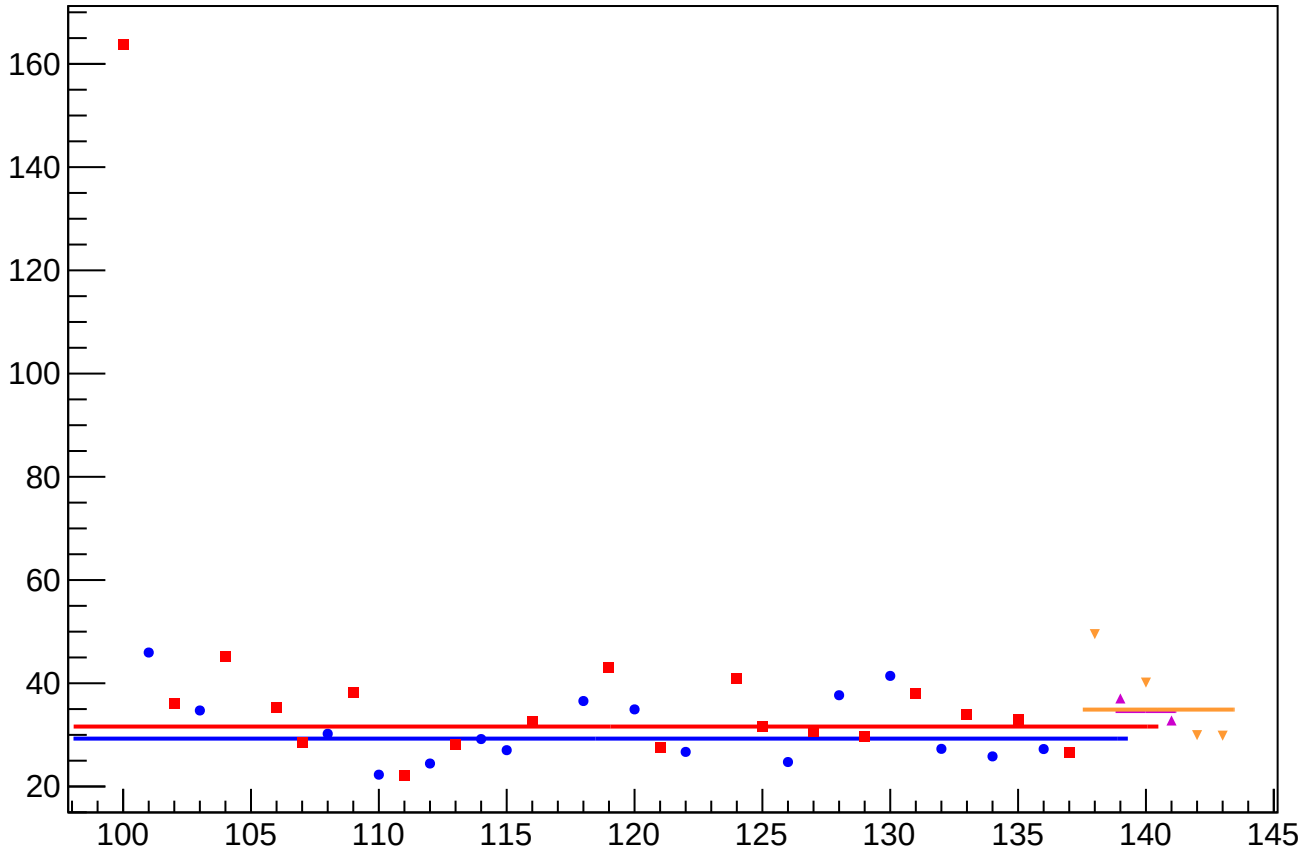
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.005+/-0.027 χ^2/NDF:2.7/1

+ sign -0.002+/-0.010 χ^2/NDF: 27.5/19

All: 0.006+/-0.007 χ^2/NDF: 48.6/40

- sign 0.015+/-0.011 χ^2/NDF: 19.7/20



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 34.900+/-0.015 χ^2/NDF:225881.2/3

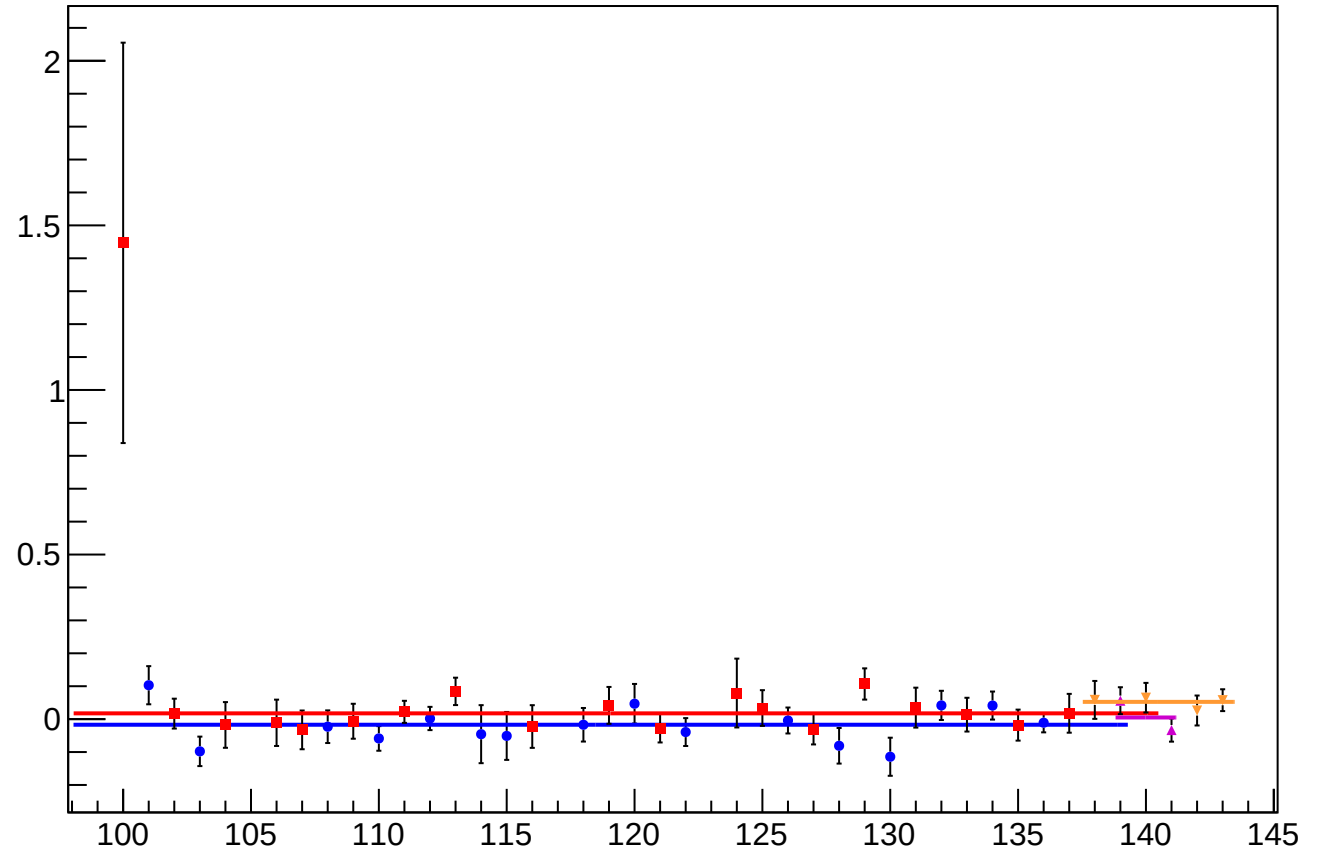
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 34.615+/-0.019 χ^2/NDF:12515.0/1

+ sign 30.513+/-0.007 χ^2/NDF: 894387.4/19

All: 31.243+/-0.005 χ^2/NDF: 1523464.9/40

- sign 32.125+/-0.008 χ^2/NDF: 605667.0/20



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

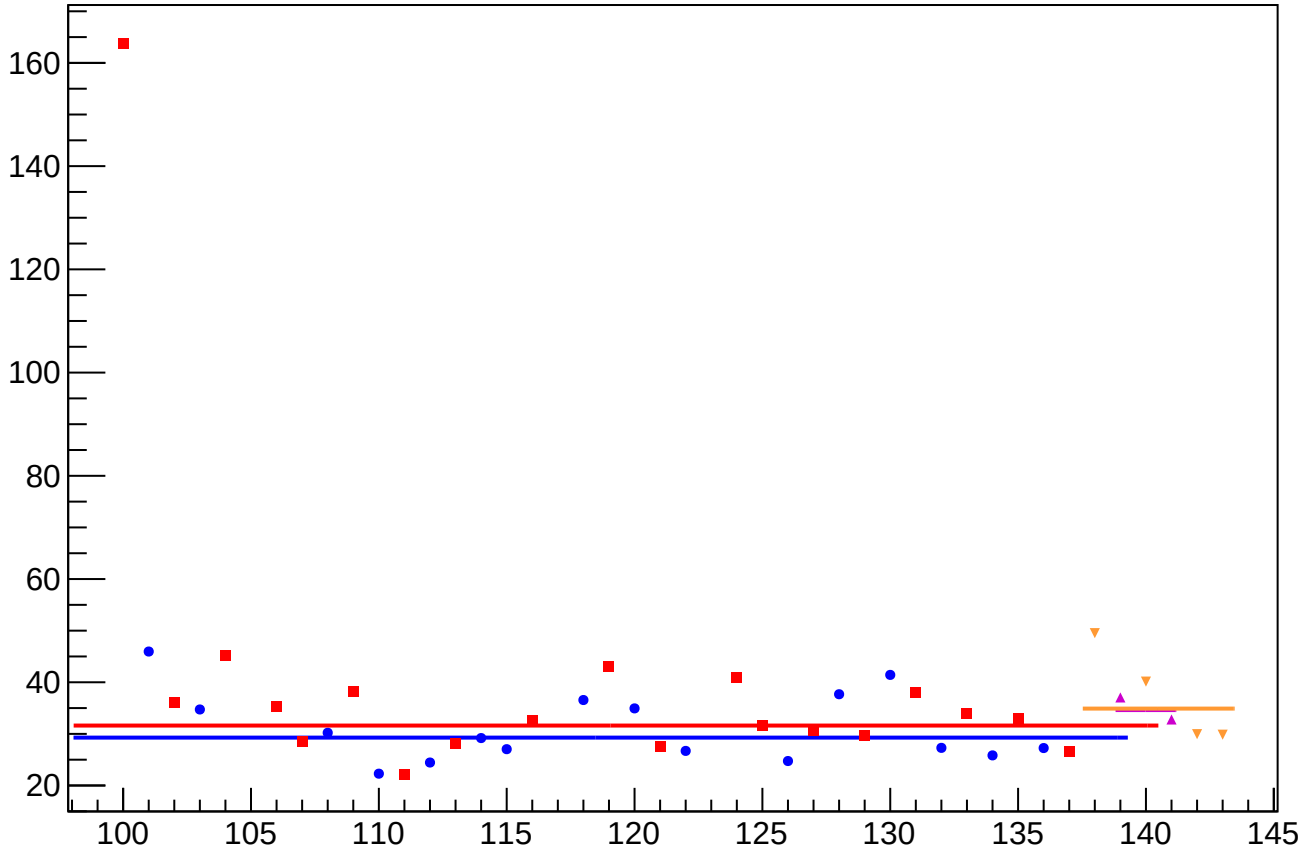
Left In: 0.005+/-0.027 χ^2/NDF:2.7/1

+ sign -0.002+/-0.010 χ^2/NDF: 27.5/19

All: 0.006+/-0.007 χ^2/NDF: 48.6/40

- sign 0.015+/-0.011 χ^2/NDF: 19.7/20

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 34.900+/-0.015 χ^2/NDF:225881.2/3

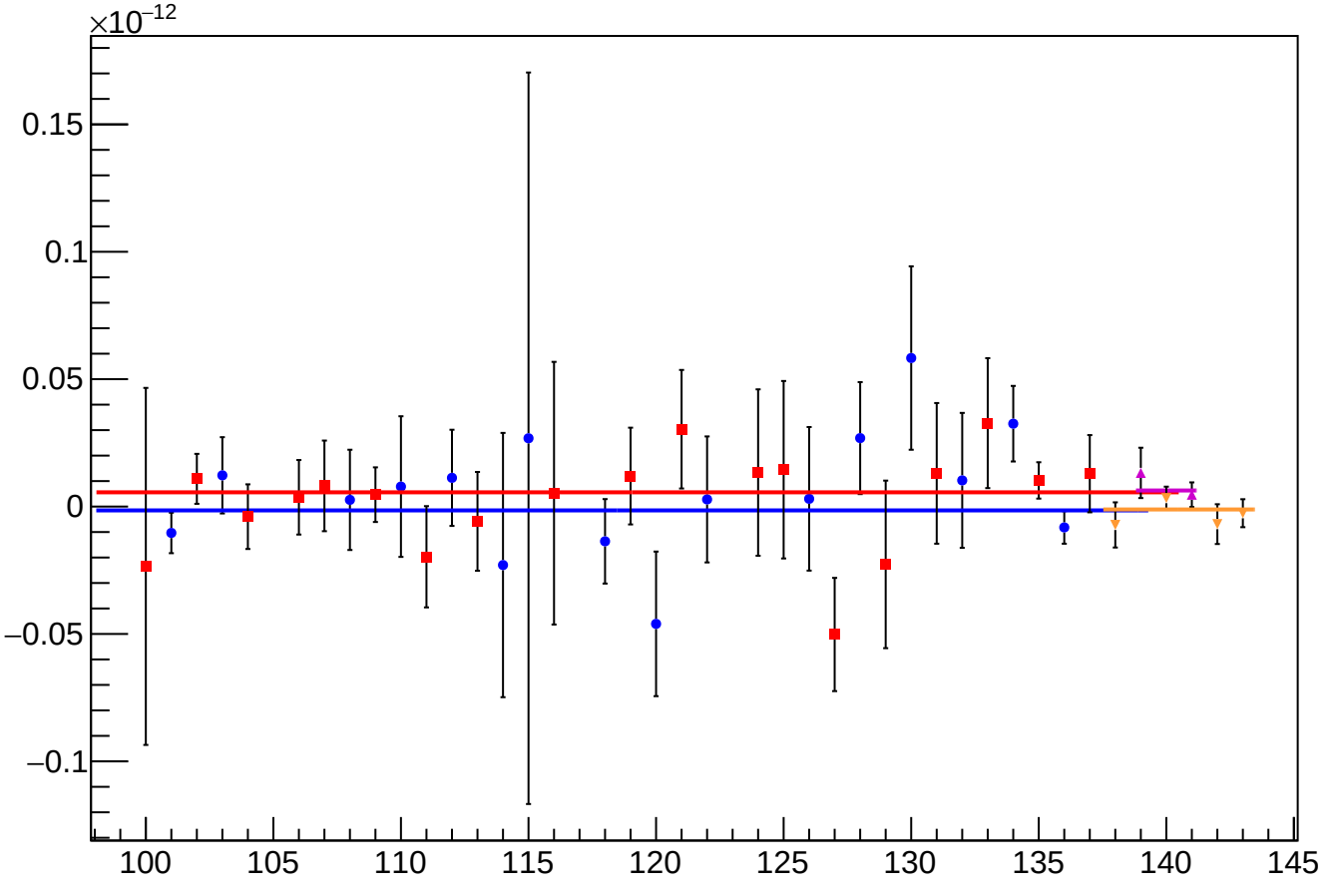
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 34.615+/-0.019 χ^2/NDF:12515.0/1

+ sign 30.513+/-0.007 χ^2/NDF: 894387.4/19

All: 31.243+/-0.005 χ^2/NDF: 1523464.9/40

- sign 32.125+/-0.008 χ^2/NDF: 605667.0/20



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/3

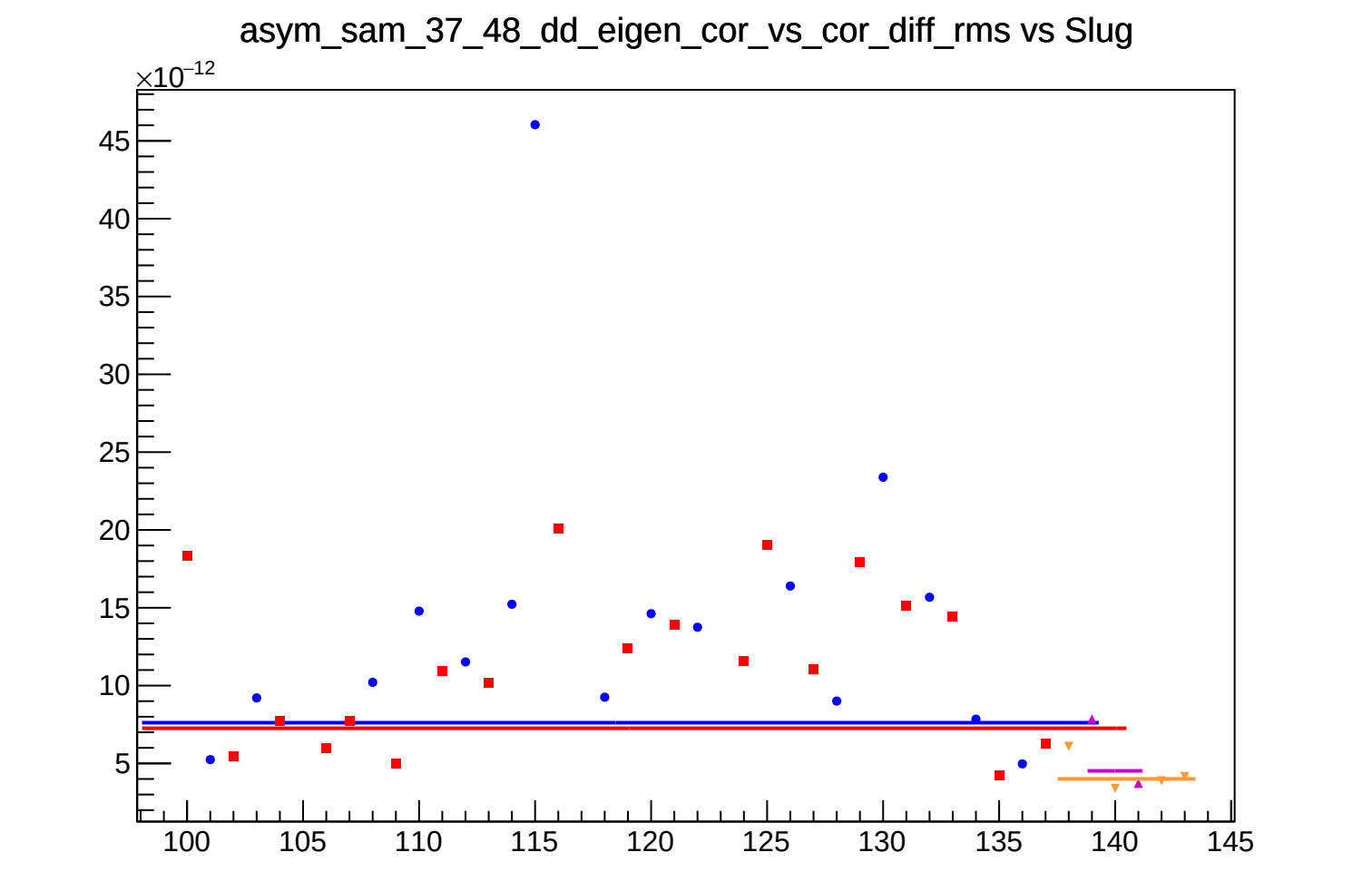
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/1

+ sign -0.000+/-0.000 χ^2/NDF: 19.0/19

All: 0.000+/-0.000 χ^2/NDF: 36.8/40

- sign 0.000+/-0.000 χ^2/NDF: 13.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:149304.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

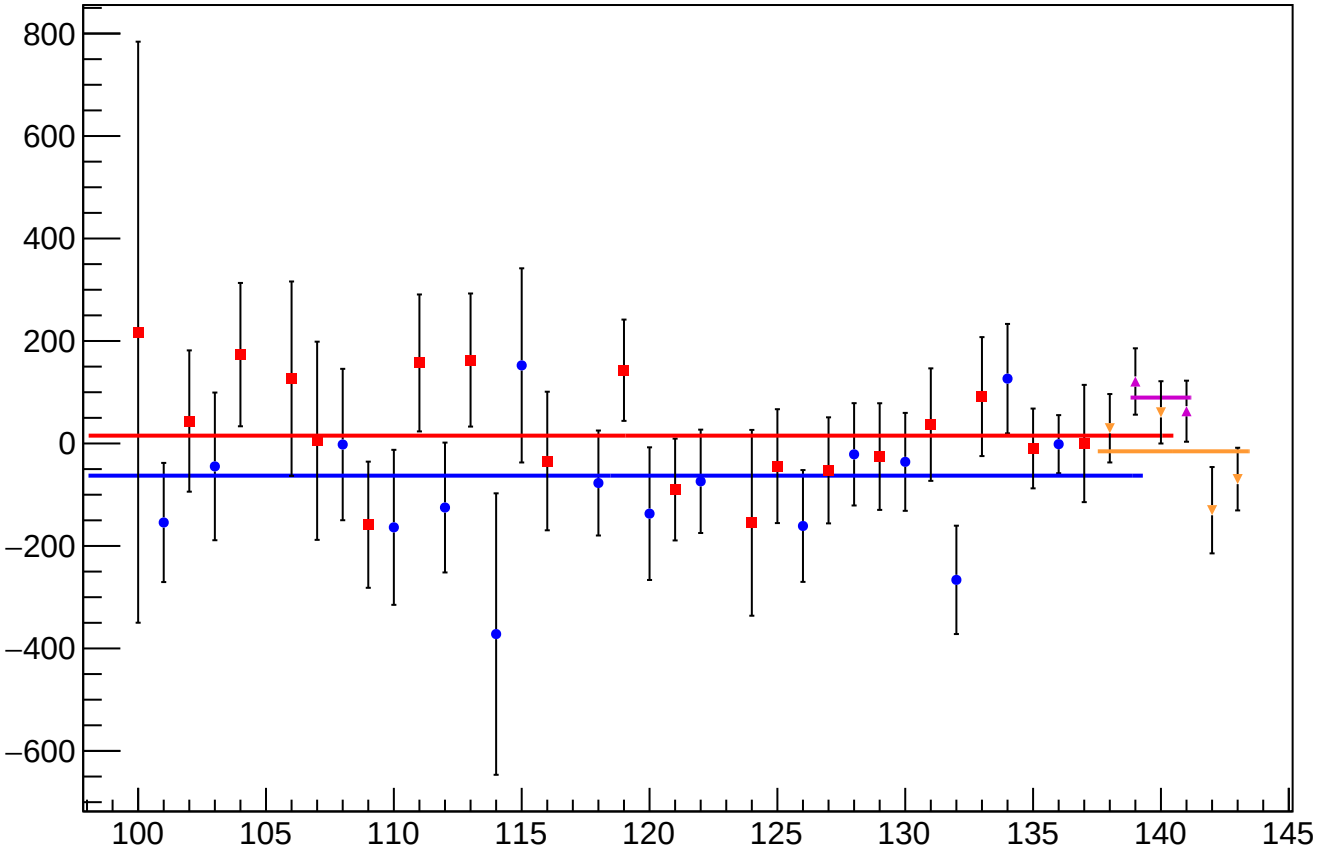
Left In: 0.000+/-0.000 χ^2/NDF:283393.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 3278142.8/19

All: 0.000+/-0.000 χ^2/NDF: 6110393.6/40

- sign 0.000+/-0.000 χ^2/NDF: 2748020.5/20

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.296+/-33.268 χ^2/NDF:4.7/3

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

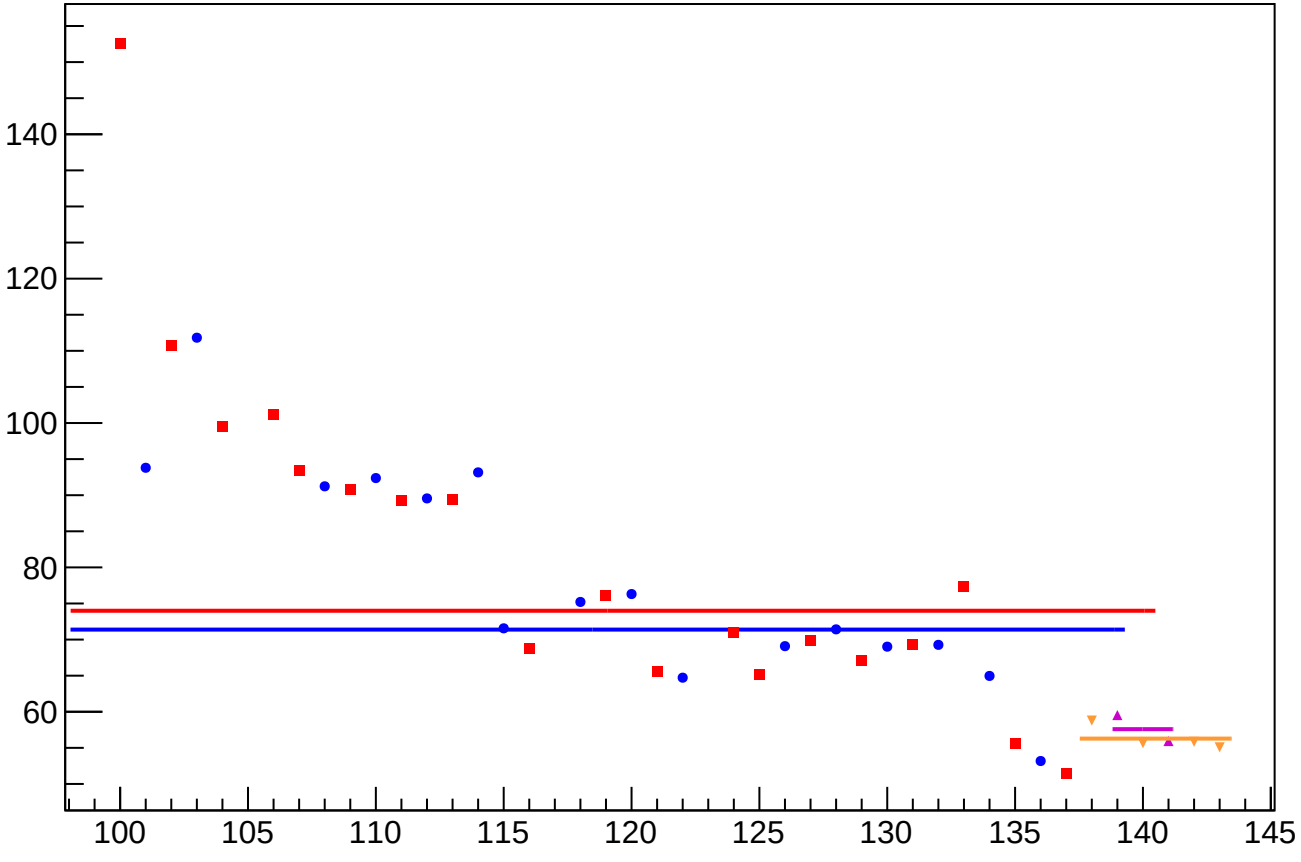
Left In: 89.554+/-43.852 χ^2/NDF:0.4/1

+ sign -43.755+/-21.064 χ^2/NDF: 19.4/19

All: -7.916+/-15.674 χ^2/NDF: 39.8/40

- sign 36.546+/-23.461 χ^2/NDF: 14.0/20

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

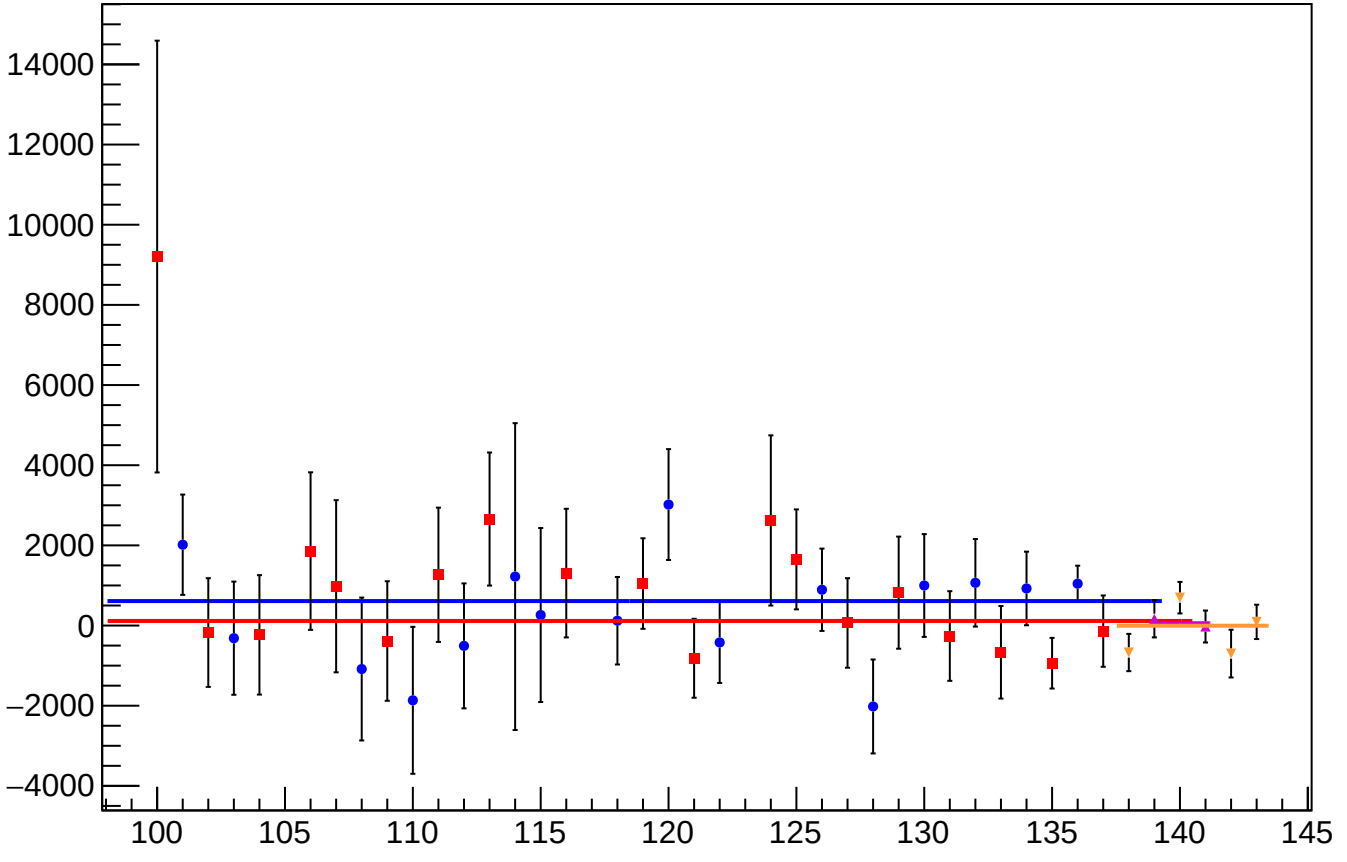
Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

+ sign 65.330+/-0.015 χ^2/NDF: 841629.3/19

All: 67.101+/-0.011 χ^2/NDF: 1714825.1/40

- sign 69.299+/-0.017 χ^2/NDF: 841504.9/20

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: -4.612+/-227.184 χ^2/NDF:6.7/3

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

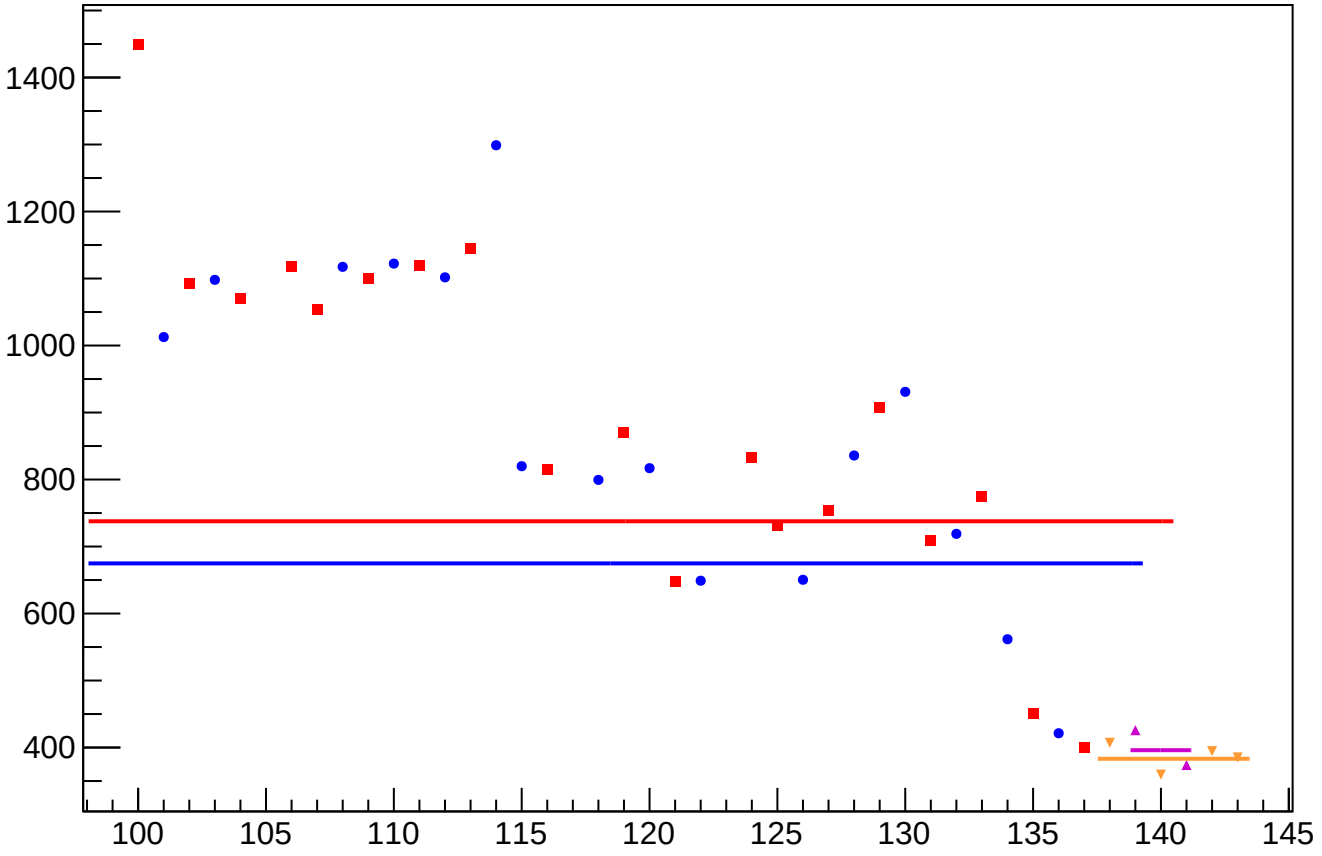
Left In: 57.556+/-302.438 χ^2/NDF:0.1/1

+ sign 253.953+/-172.972 χ^2/NDF: 25.4/19

All: 185.719+/-132.771 χ^2/NDF: 41.5/40

- sign 87.856+/-207.150 χ^2/NDF: 15.7/20

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.2/3

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

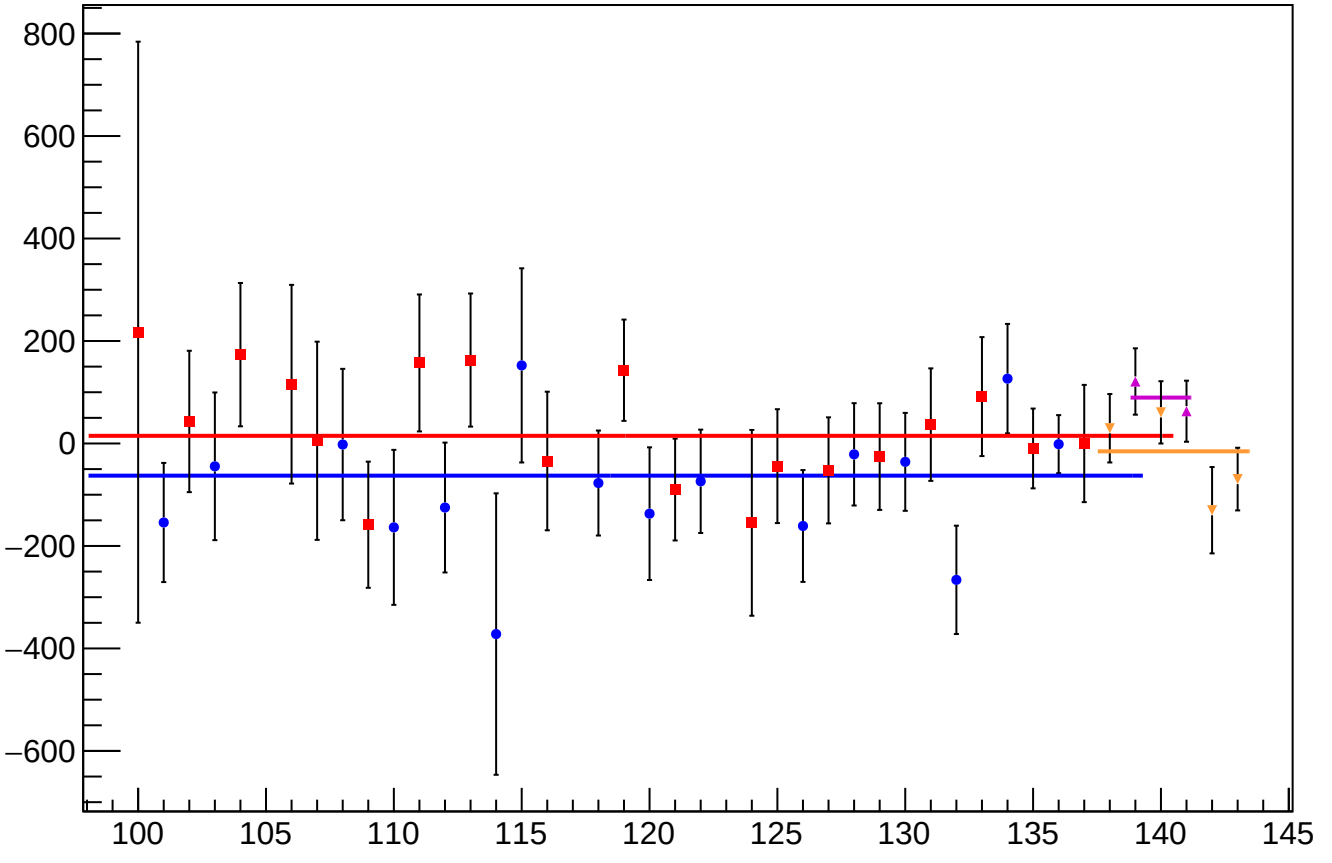
Left In: 396.019+/-0.214 χ^2/NDF:14462.3/1

+ sign 505.790+/-0.122 χ^2/NDF: 3015819.8/19

All: 535.204+/-0.094 χ^2/NDF: 6042742.3/40

- sign 577.391+/-0.146 χ^2/NDF: 2886136.3/20

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.294+/-33.268 χ^2/NDF:4.7/3

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

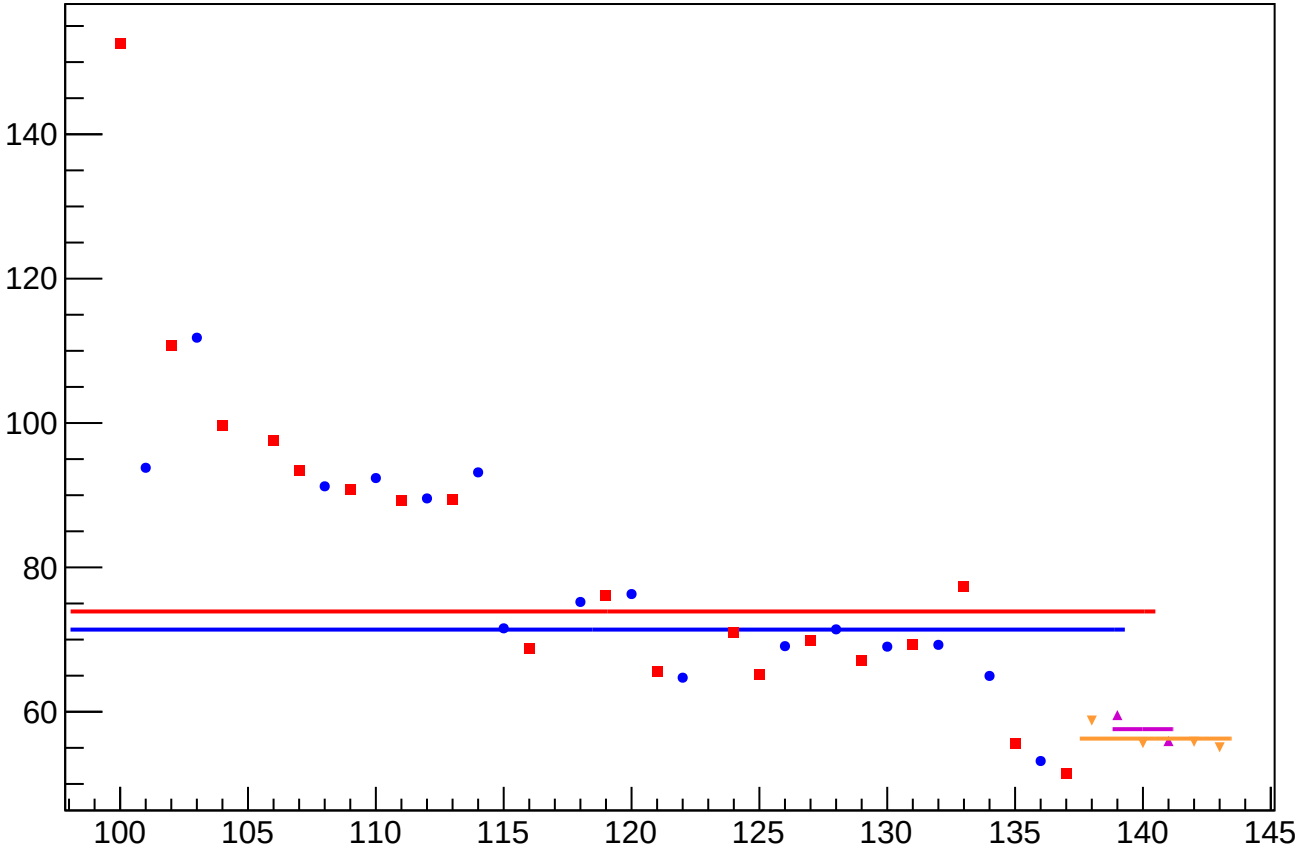
Left In: 89.557+/-43.852 χ^2/NDF:0.4/1

+ sign -43.749+/-21.064 χ^2/NDF: 19.4/19

All: -8.033+/-15.676 χ^2/NDF: 39.7/40

- sign 36.307+/-23.469 χ^2/NDF: 13.9/20

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

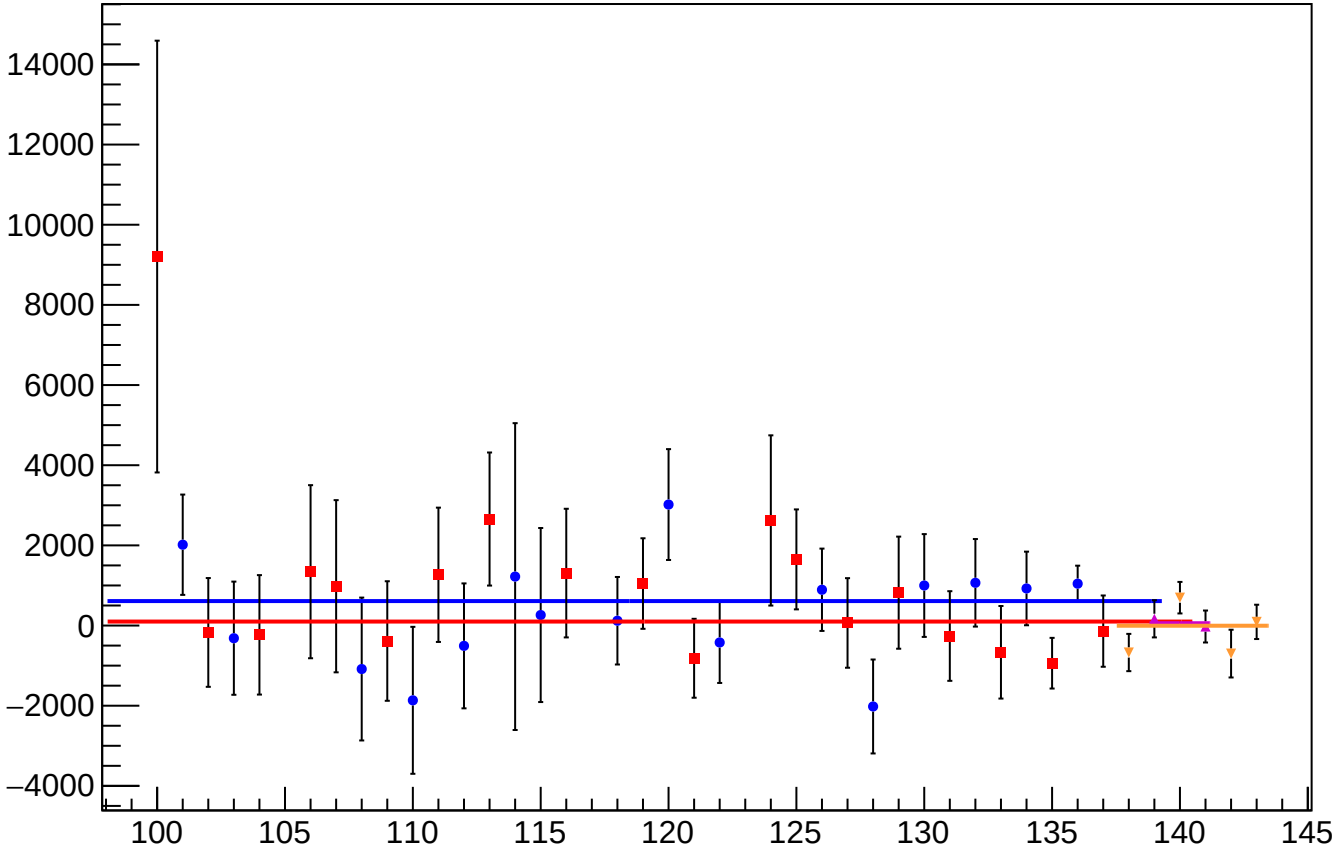
Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

+ sign 65.330+/-0.015 χ^2/NDF: 841631.9/19

All: 67.067+/-0.011 χ^2/NDF: 1699732.9/40

- sign 69.224+/-0.017 χ^2/NDF: 827598.1/20

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -4.611+/-227.184 χ^2/NDF:6.7/3

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

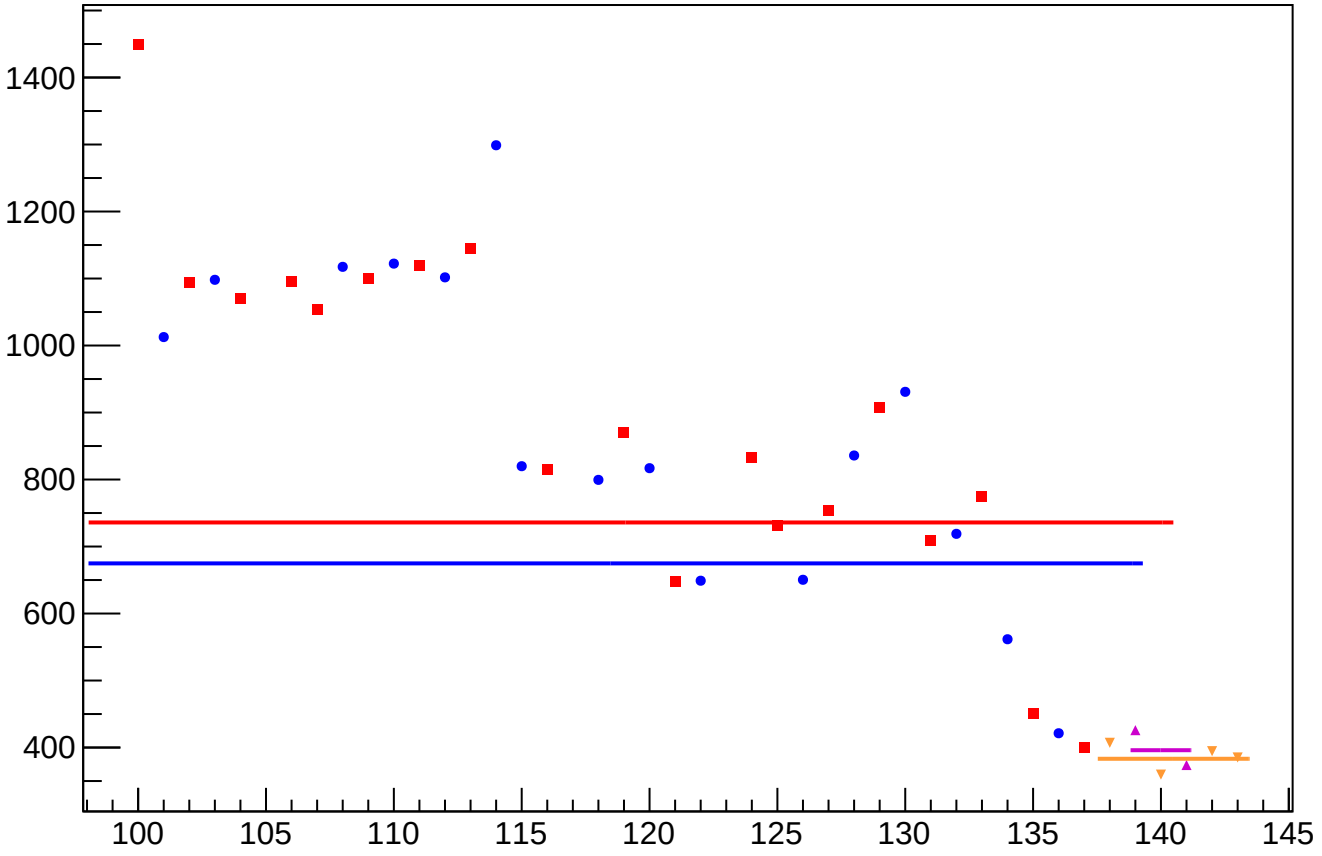
Left In: 57.568+/-302.438 χ^2/NDF:0.1/1

+ sign 253.948+/-172.972 χ^2/NDF: 25.4/19

All: 182.496+/-132.824 χ^2/NDF: 41.0/40

- sign 79.819+/-207.351 χ^2/NDF: 15.2/20

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.7/3

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

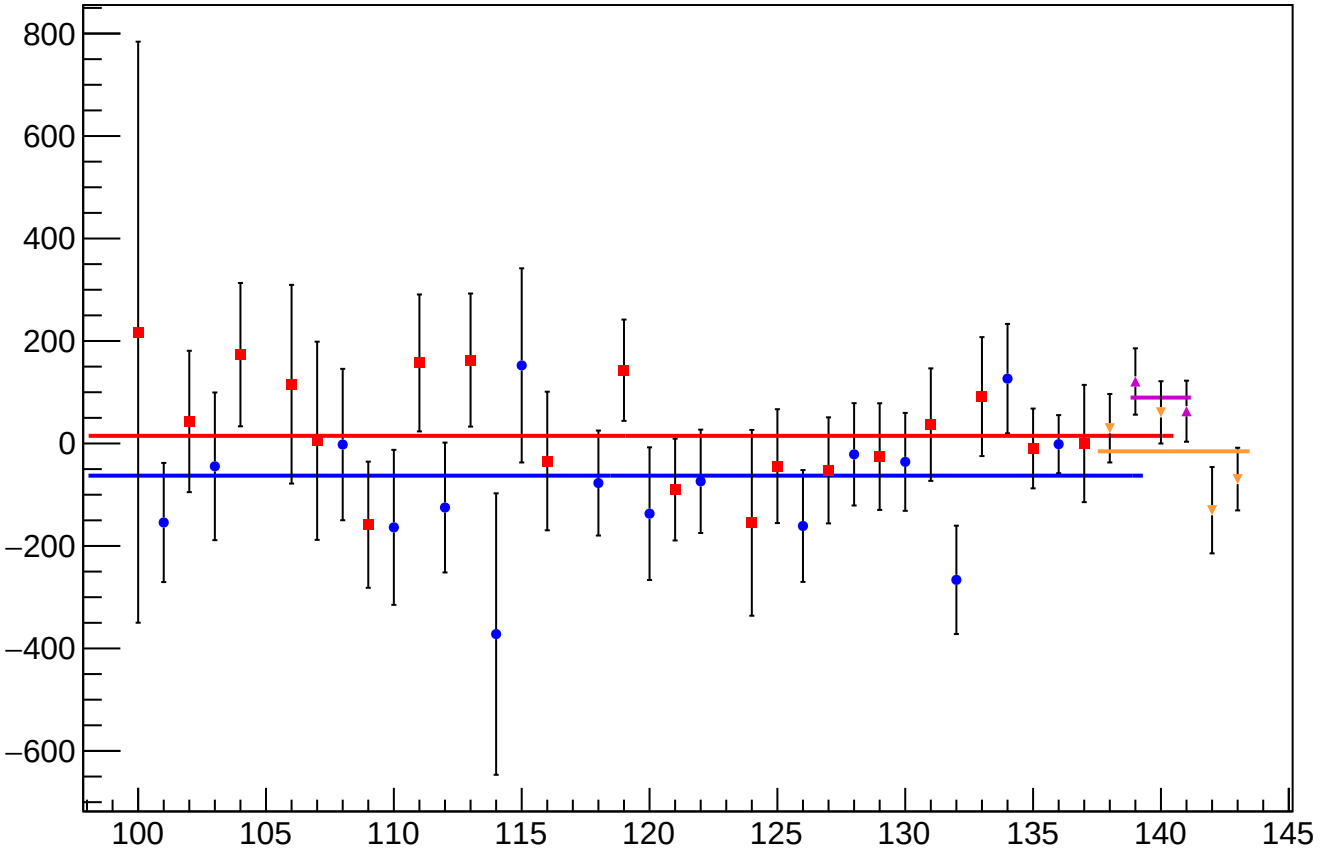
Left In: 396.019+/-0.214 χ^2/NDF:14462.0/1

+ sign 505.790+/-0.122 χ^2/NDF: 3015845.4/19

All: 534.662+/-0.094 χ^2/NDF: 6001824.7/40

- sign 576.151+/-0.147 χ^2/NDF: 2850182.9/20

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.294+/-33.268 χ^2/NDF:4.7/3

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

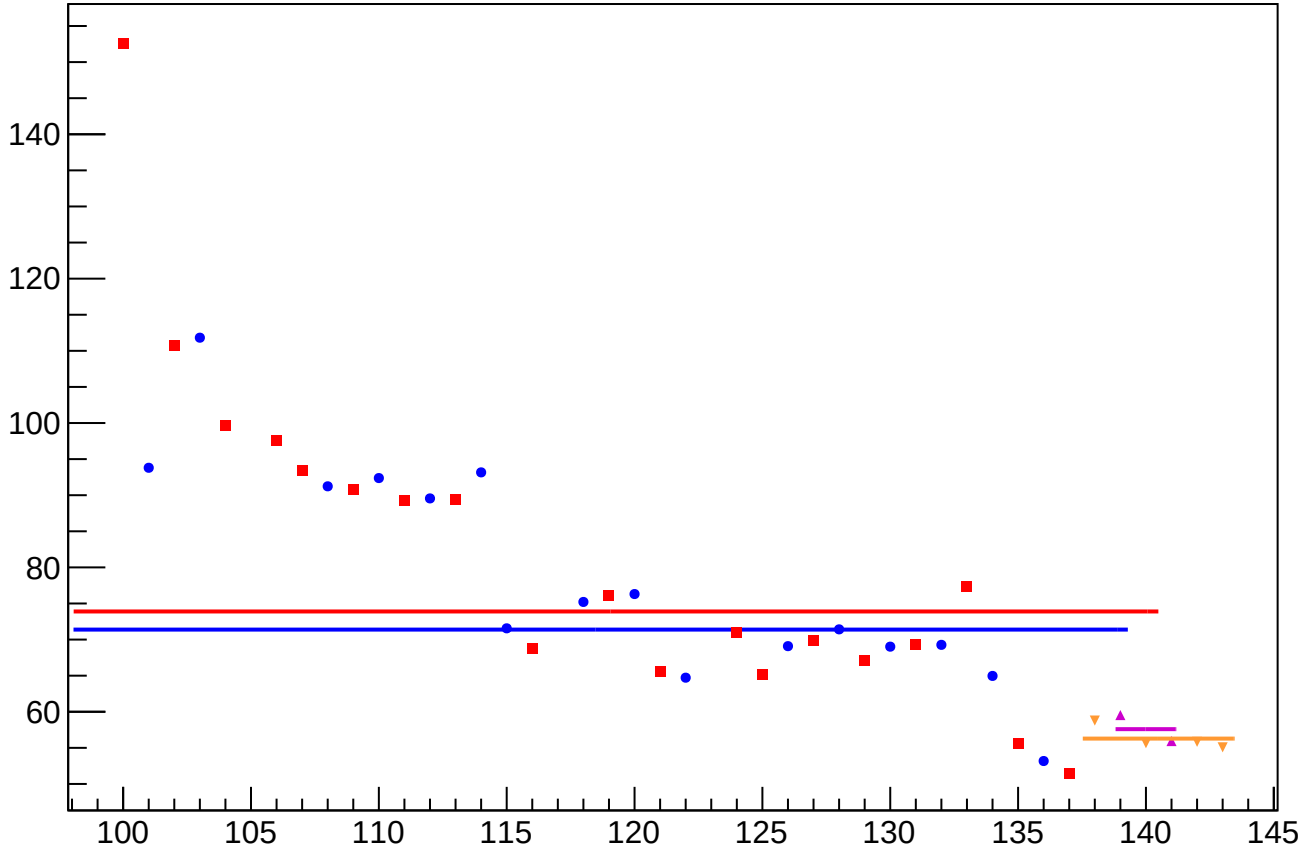
Left In: 89.557+/-43.852 χ^2/NDF:0.4/1

+ sign -43.749+/-21.064 χ^2/NDF: 19.4/19

All: -8.033+/-15.676 χ^2/NDF: 39.7/40

- sign 36.307+/-23.469 χ^2/NDF: 13.9/20

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

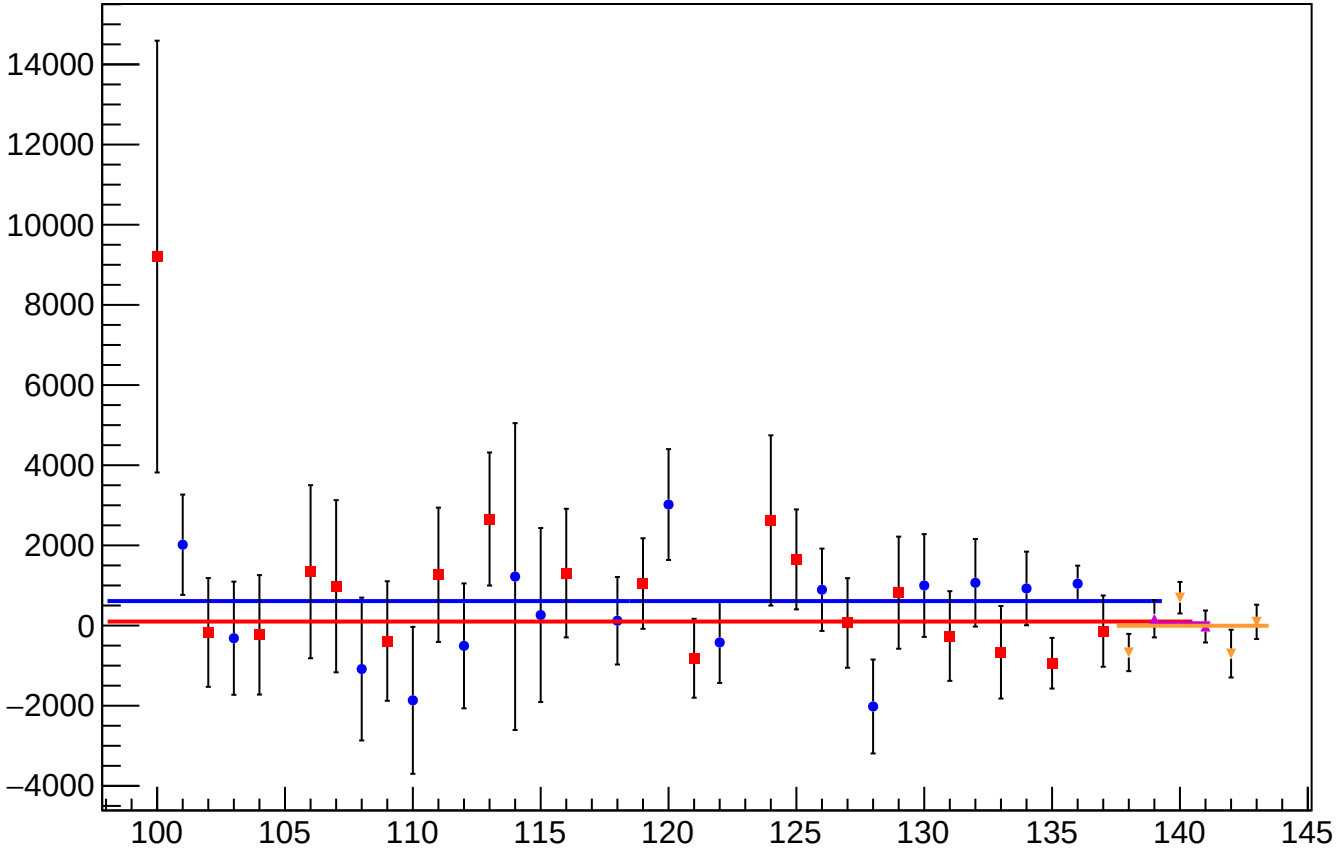
Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

+ sign 65.330+/-0.015 χ^2/NDF: 841631.9/19

All: 67.067+/-0.011 χ^2/NDF: 1699732.9/40

- sign 69.224+/-0.017 χ^2/NDF: 827598.1/20

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -4.611+/-227.184 χ^2/NDF:6.7/3

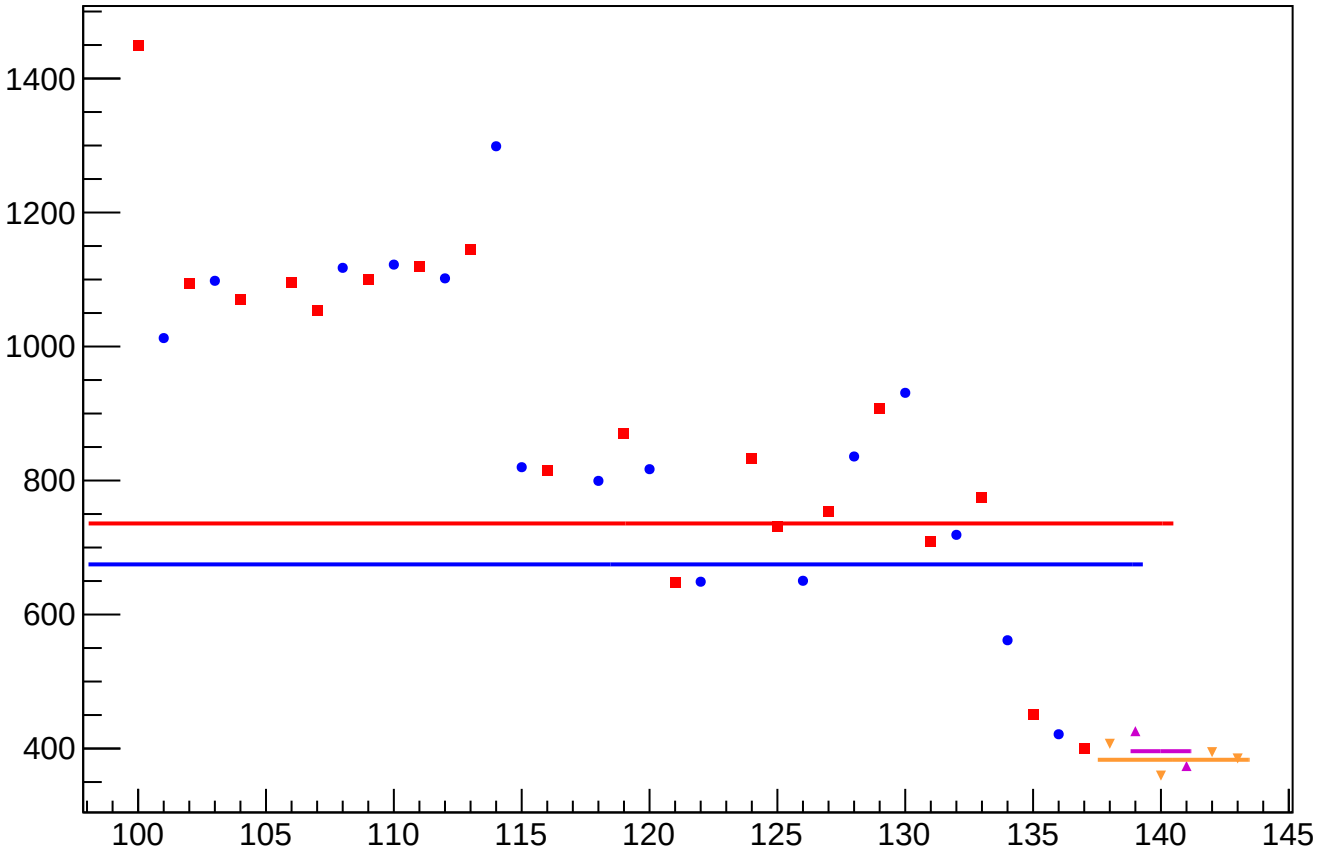
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 57.568+/-302.438 χ^2/NDF:0.1/1

+ sign 253.948+/-172.972 χ^2/NDF: 25.4/19

All: 182.496+/-132.824 χ^2/NDF: 41.0/40

- sign 79.819+/-207.351 χ^2/NDF: 15.2/20



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.7/3

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

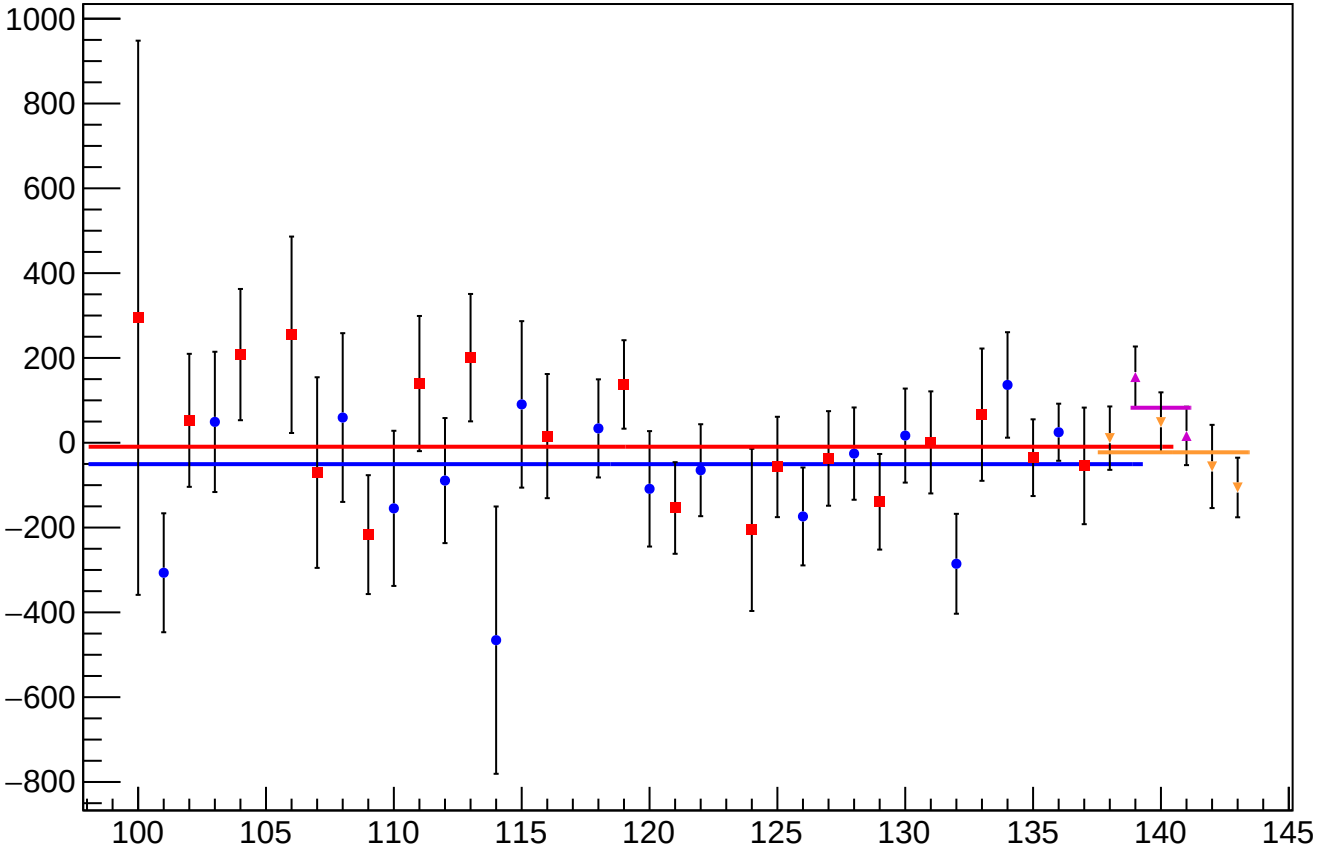
Left In: 396.019+/-0.214 χ^2/NDF:14462.0/1

+ sign 505.790+/-0.122 χ^2/NDF: 3015845.4/19

All: 534.662+/-0.094 χ^2/NDF: 6001824.7/40

- sign 576.151+/-0.147 χ^2/NDF: 2850182.9/20

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -22.532+/-38.162 χ^2/NDF:2.7/3

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

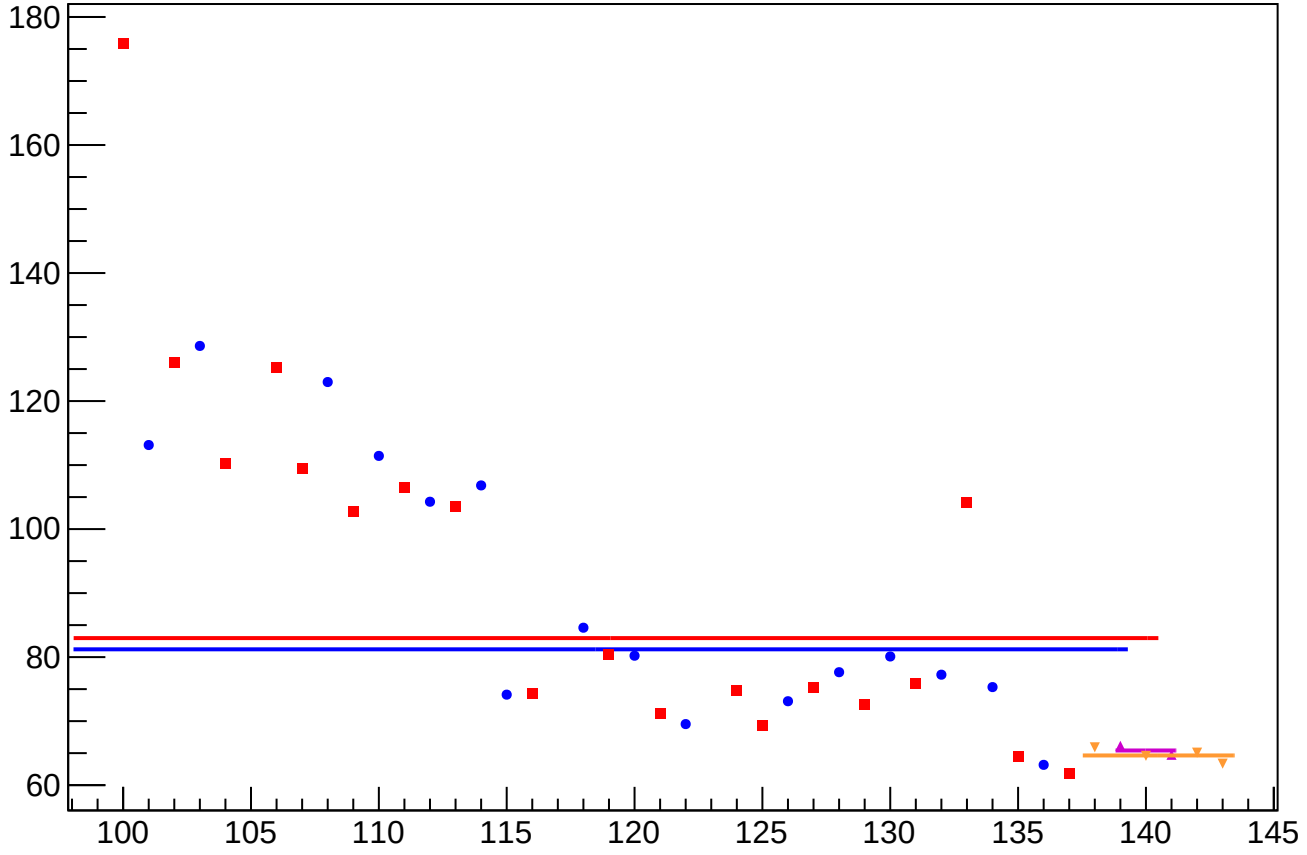
Left In: 82.547+/-49.754 χ^2/NDF:1.9/1

+ sign -39.334+/-24.090 χ^2/NDF: 19.5/19

All: -13.974+/-17.811 χ^2/NDF: 41.9/40

- sign 16.607+/-26.454 χ^2/NDF: 20.0/20

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.638+/-0.027 χ^2/NDF:1281.3/3

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

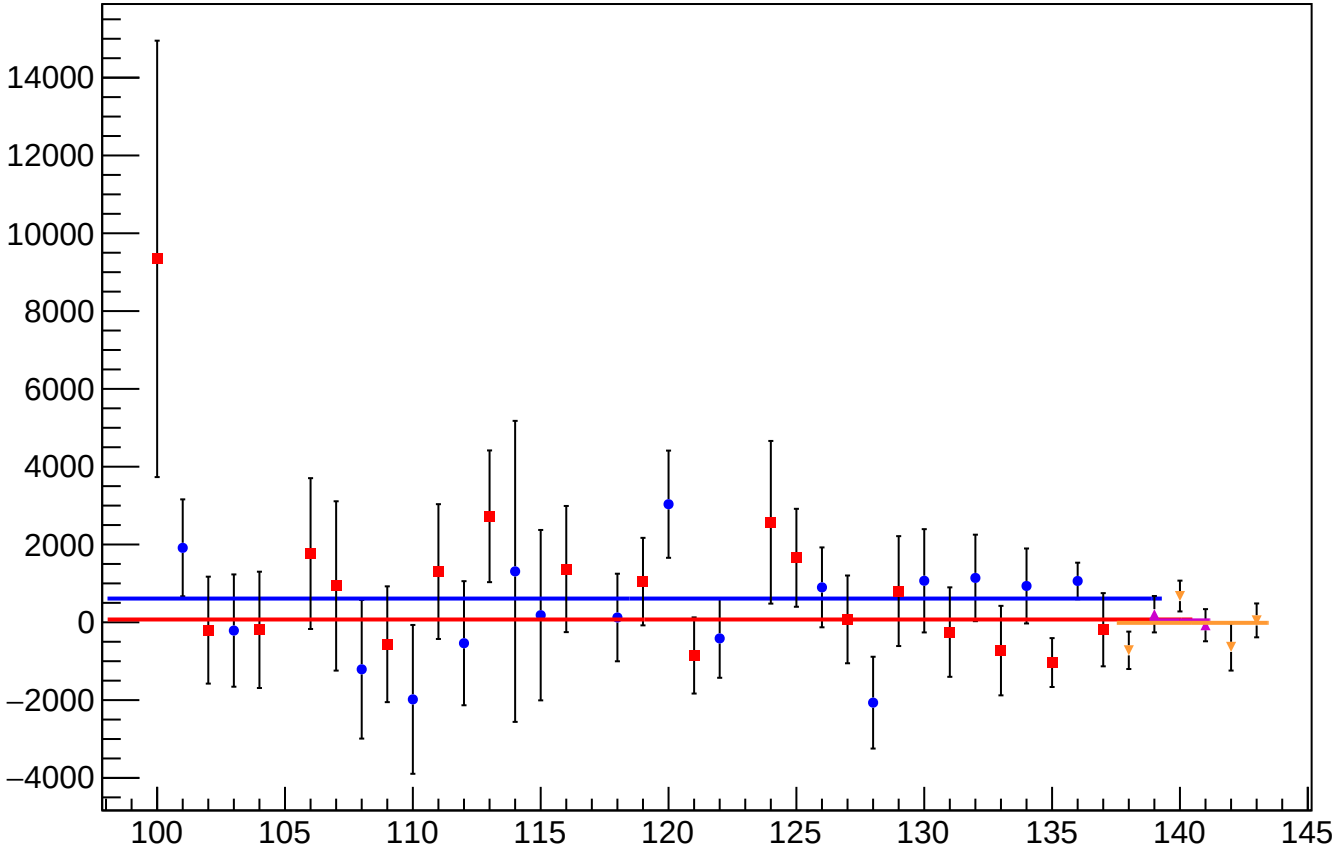
Left In: 65.414+/-0.035 χ^2/NDF:396.7/1

+ sign 74.611+/-0.017 χ^2/NDF: 891222.1/19

All: 76.151+/-0.013 χ^2/NDF: 1818656.7/40

- sign 78.008+/-0.019 χ^2/NDF: 909412.2/20

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: -13.593+/-231.396 χ^2/NDF:6.2/3

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

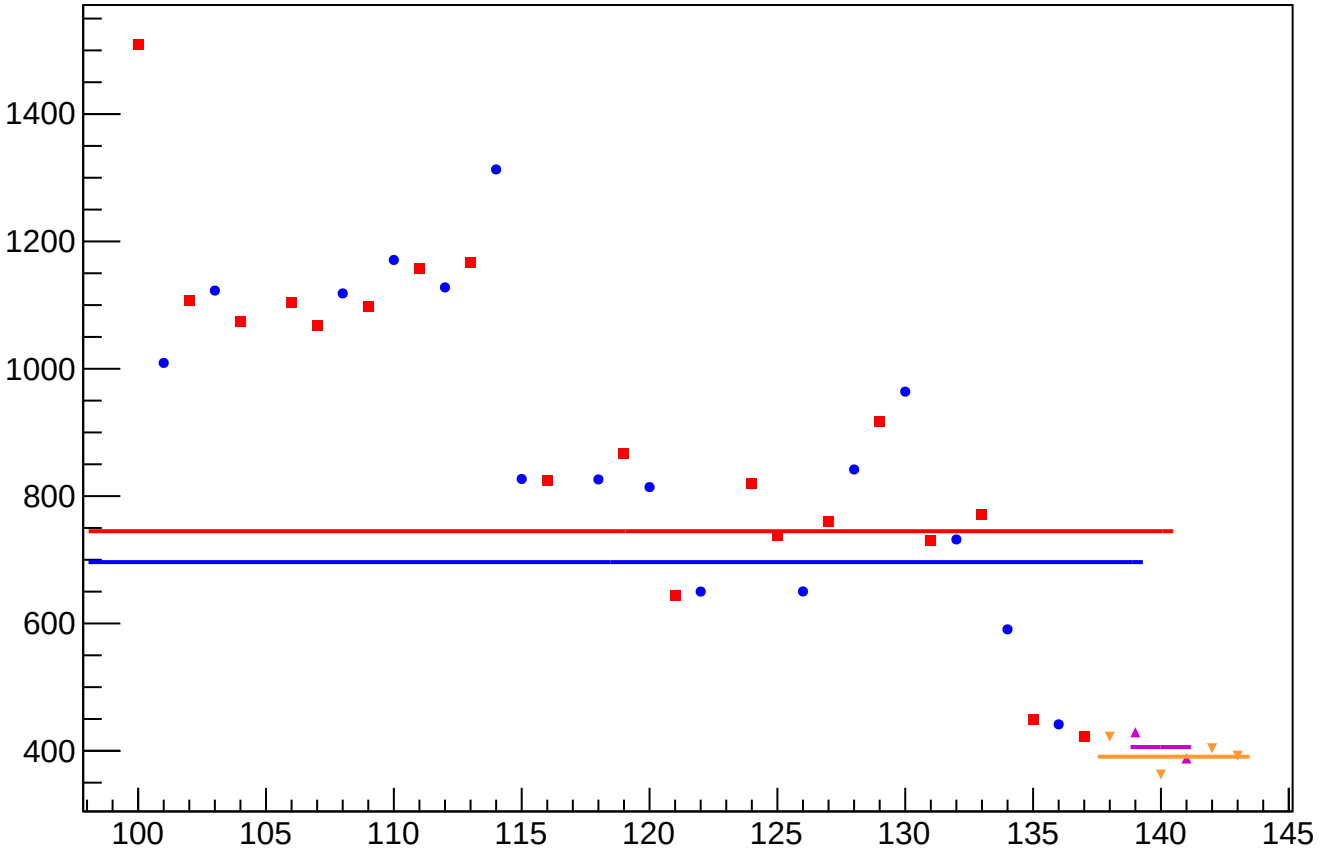
Left In: 49.435+/-309.703 χ^2/NDF:0.2/1

+ sign 246.186+/-176.783 χ^2/NDF: 25.1/19

All: 169.879+/-135.360 χ^2/NDF: 41.9/40

- sign 61.749+/-210.442 χ^2/NDF: 16.4/20

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 390.765+/-0.164 χ^2/NDF:19570.4/3

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

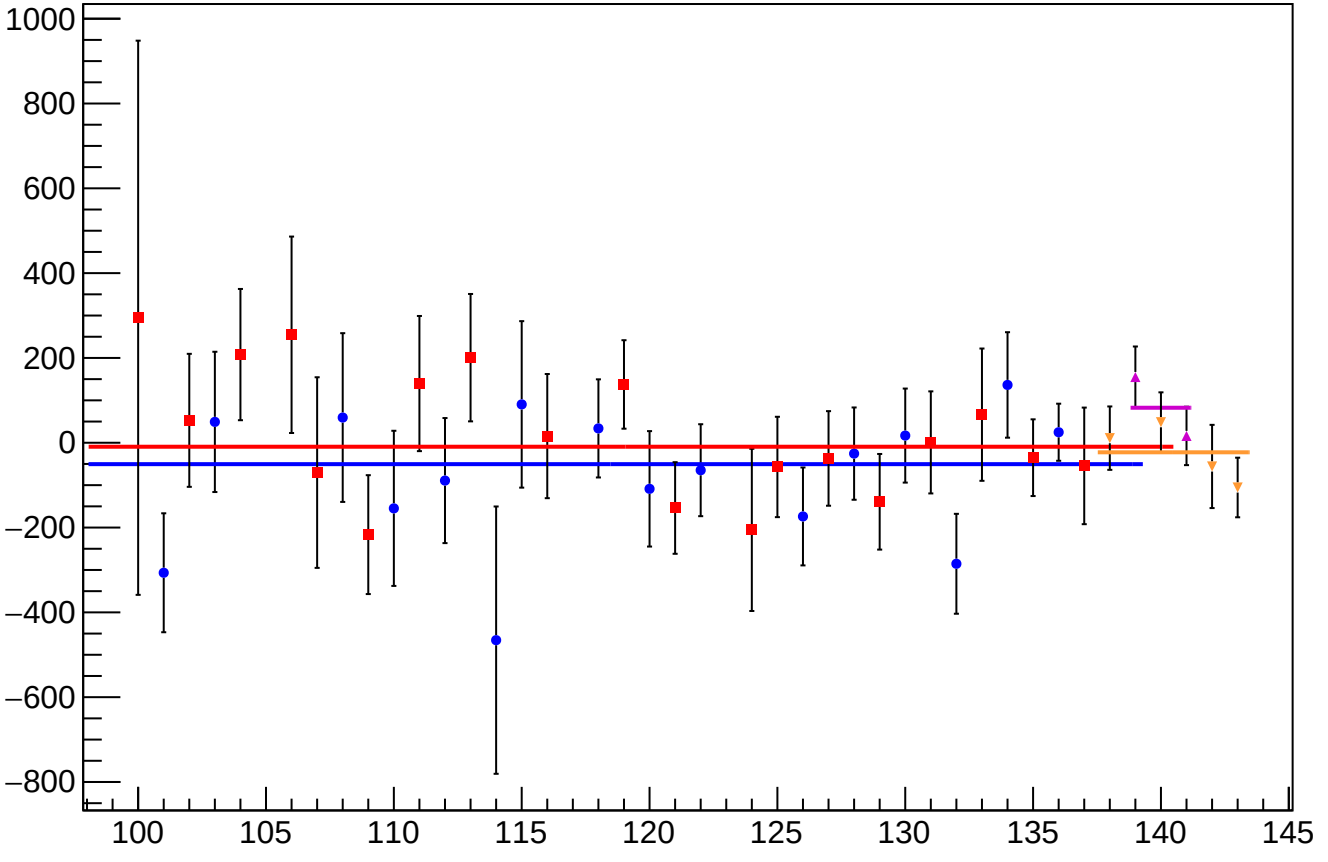
Left In: 405.968+/-0.219 χ^2/NDF:8673.8/1

+ sign 517.997+/-0.125 χ^2/NDF: 2987423.4/19

All: 547.124+/-0.096 χ^2/NDF: 5914859.4/40

- sign 588.397+/-0.149 χ^2/NDF: 2796213.2/20

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -22.532+/-38.162 χ^2/NDF:2.7/3

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

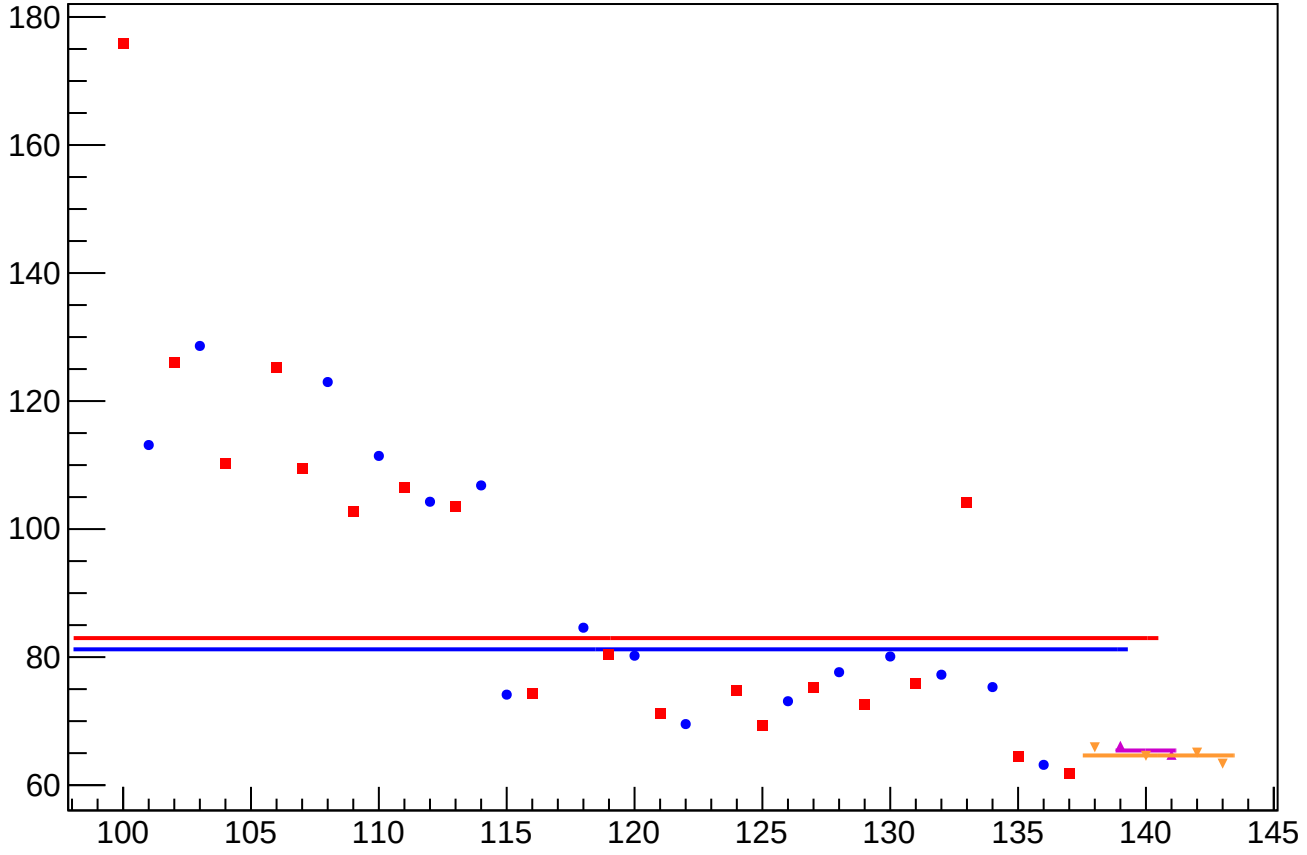
Left In: 82.546+/-49.754 χ^2/NDF:1.9/1

+ sign -39.334+/-24.090 χ^2/NDF: 19.5/19

All: -13.974+/-17.811 χ^2/NDF: 41.9/40

- sign 16.606+/-26.454 χ^2/NDF: 20.0/20

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.639+/-0.027 χ^2/NDF:1281.3/3

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

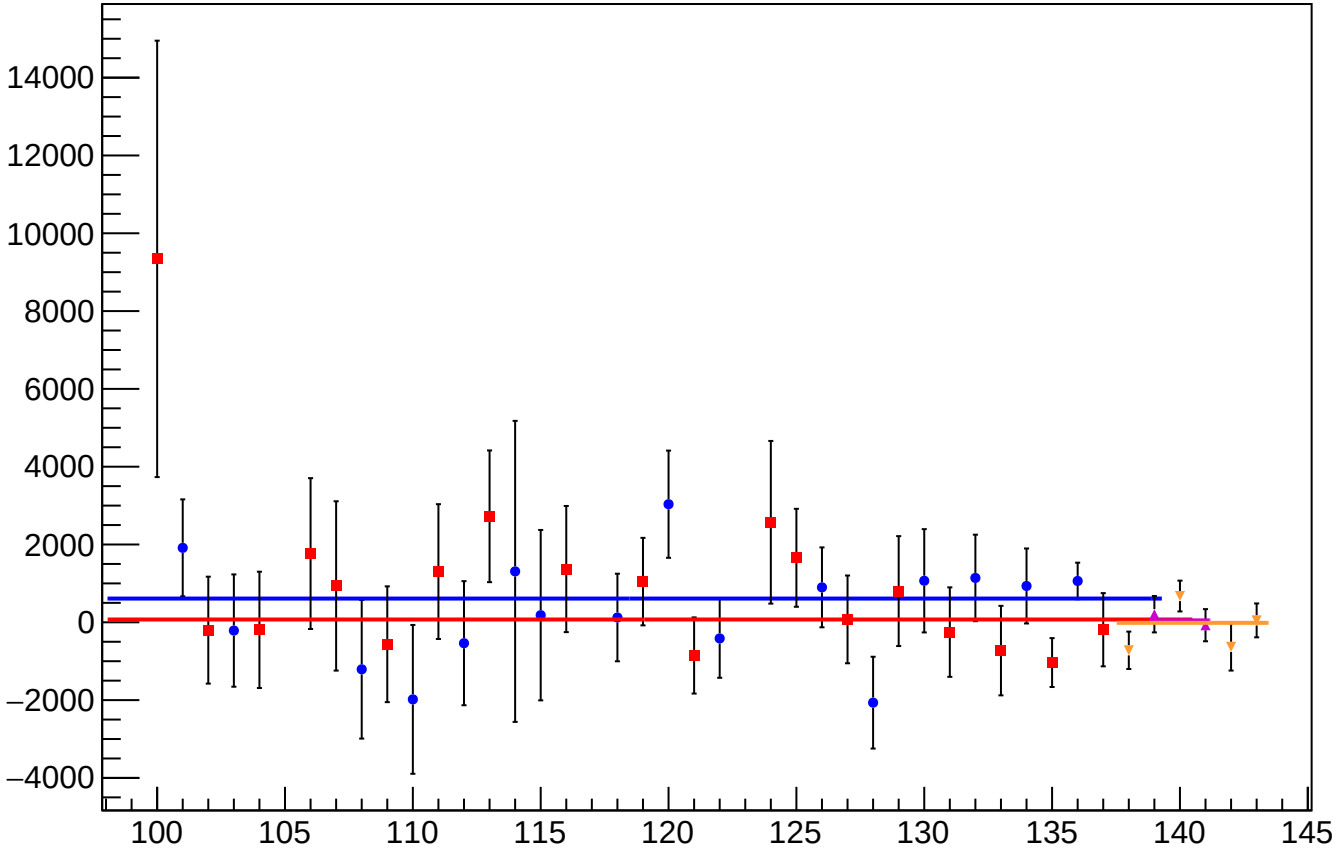
Left In: 65.415+/-0.035 χ^2/NDF:396.4/1

+ sign 74.611+/-0.017 χ^2/NDF: 891192.4/19

All: 76.151+/-0.013 χ^2/NDF: 1818603.1/40

- sign 78.008+/-0.019 χ^2/NDF: 909387.1/20

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: -13.594+/-231.396 χ^2/NDF:6.2/3

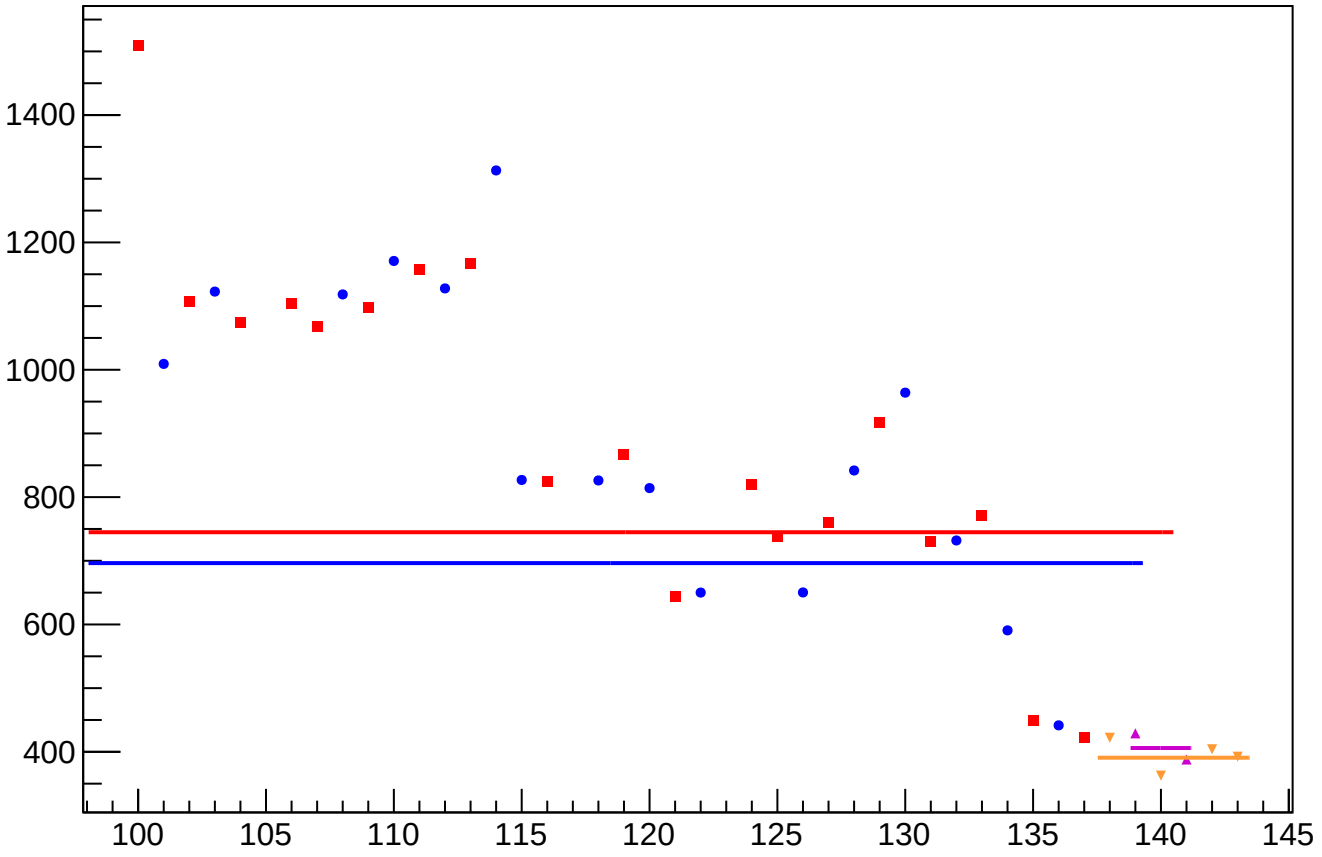
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 49.434+/-309.703 χ^2/NDF:0.2/1

+ sign 246.186+/-176.783 χ^2/NDF: 25.1/19

All: 169.879+/-135.360 χ^2/NDF: 41.9/40

- sign 61.749+/-210.442 χ^2/NDF: 16.4/20



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 390.766+/-0.164 χ^2/NDF:19569.3/3

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

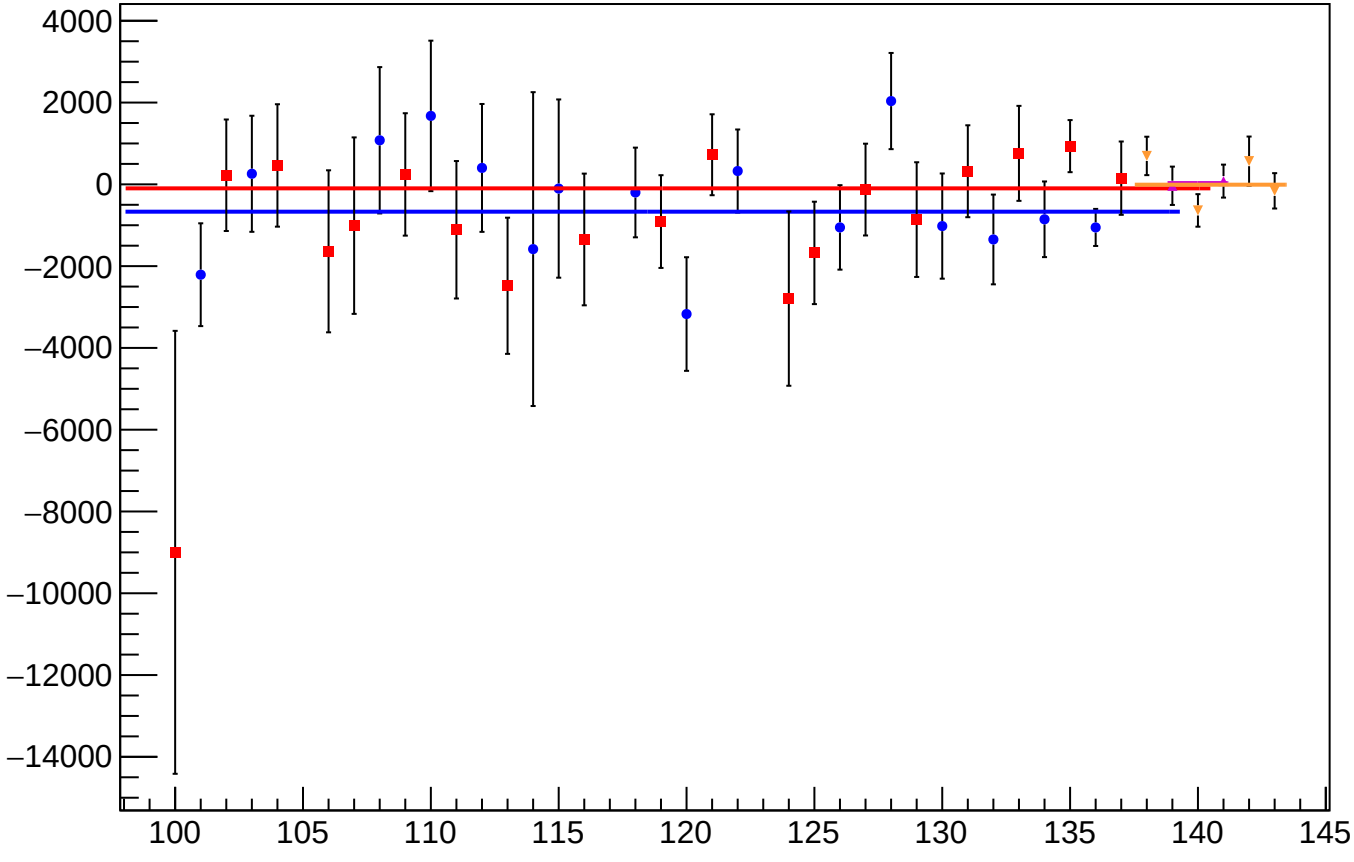
Left In: 405.969+/-0.219 χ^2/NDF:8672.5/1

+ sign 517.998+/-0.125 χ^2/NDF: 2987391.0/19

All: 547.124+/-0.096 χ^2/NDF: 5914800.1/40

- sign 588.397+/-0.149 χ^2/NDF: 2796188.3/20

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -8.390+/-229.646 χ^2/NDF:5.8/3

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

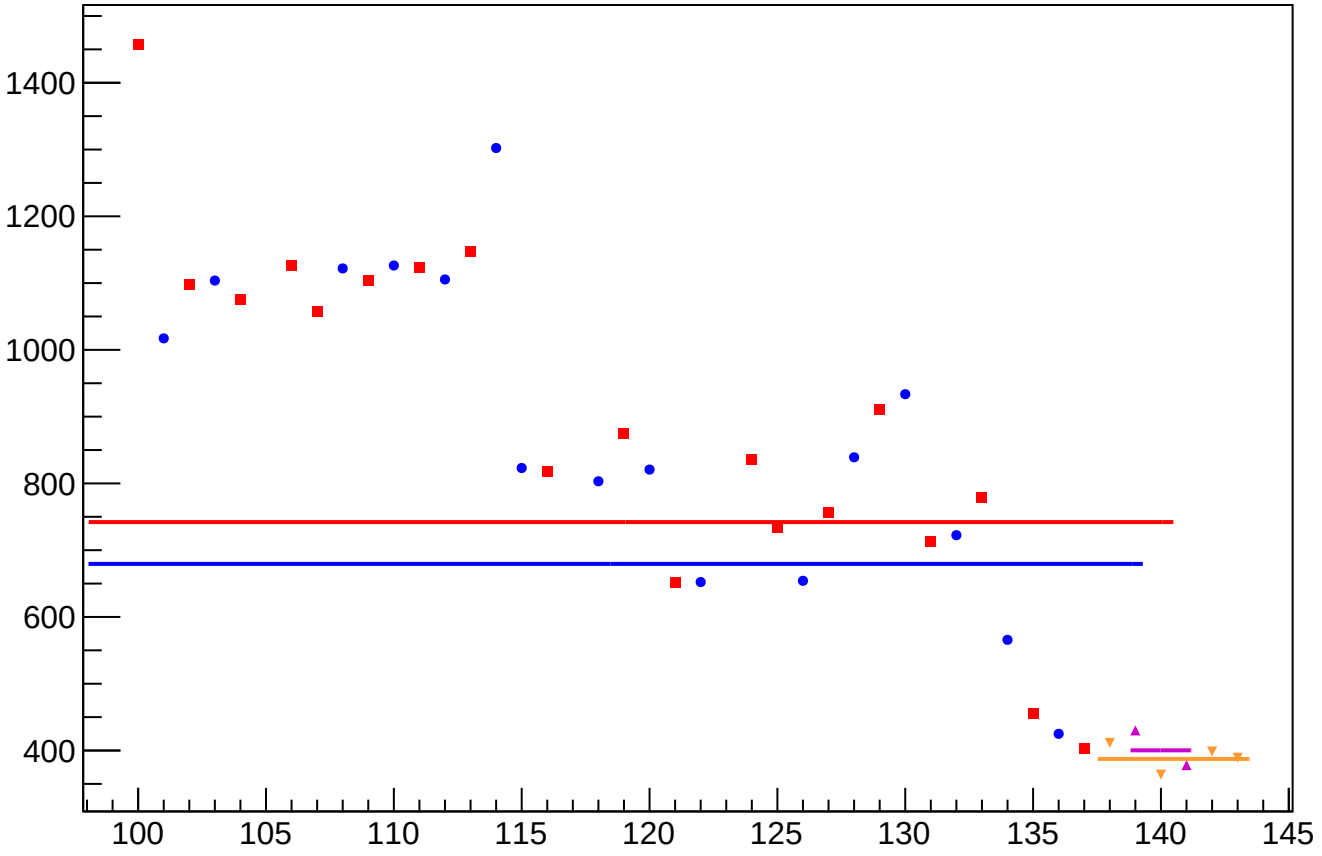
Left In: 30.704+/-305.640 χ^2/NDF:0.0/1

+ sign -287.329+/-174.507 χ^2/NDF: 25.4/19

All: -184.762+/-133.896 χ^2/NDF: 41.2/40

- sign -37.944+/-208.785 χ^2/NDF: 14.9/20

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 387.416+/-0.162 χ^2/NDF:12898.4/3

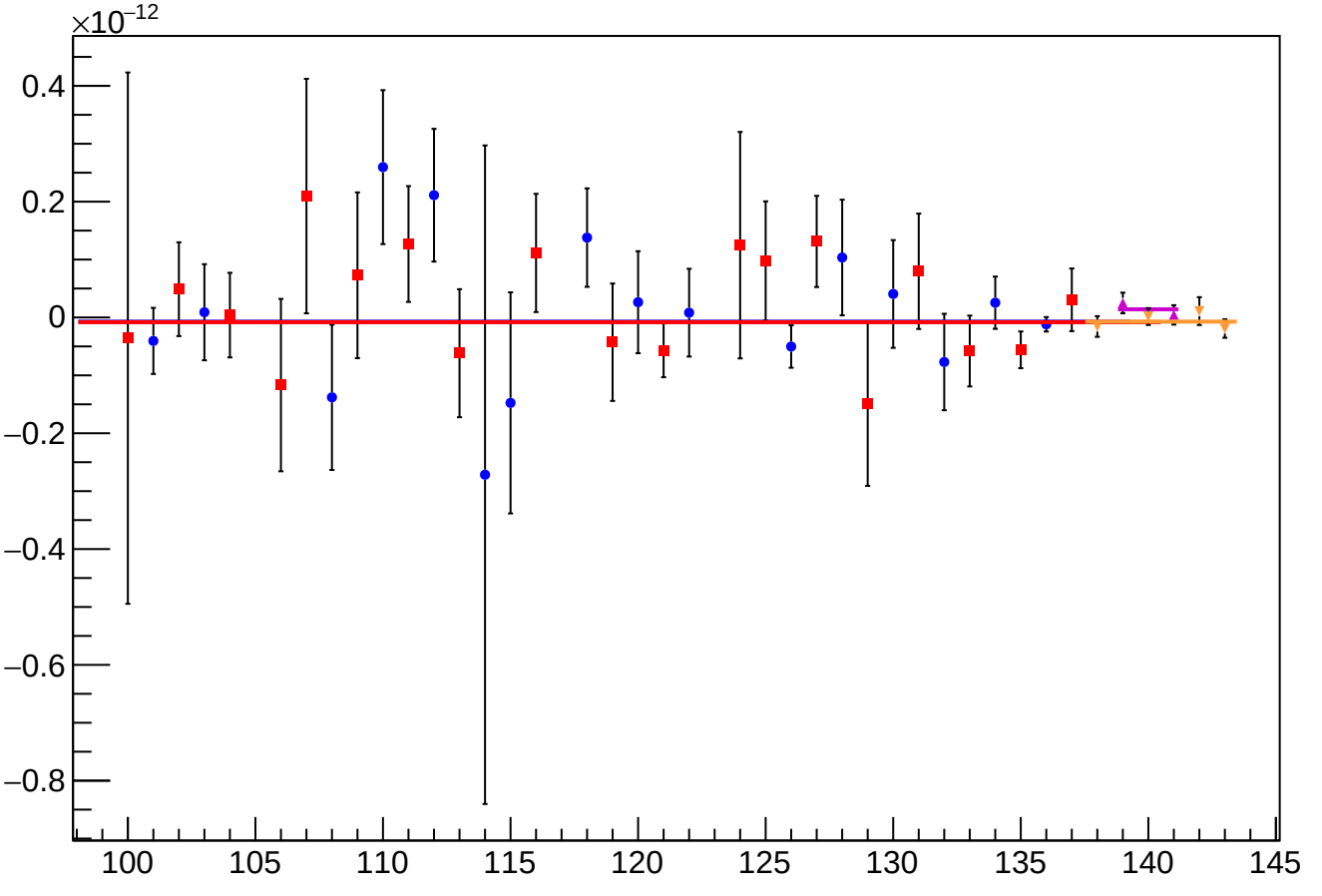
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 400.249+/-0.216 χ^2/NDF:14162.2/1

+ sign 510.826+/-0.123 χ^2/NDF: 2980679.2/19

All: 540.333+/-0.095 χ^2/NDF: 5972581.0/40

- sign 582.570+/-0.148 χ^2/NDF: 2852871.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

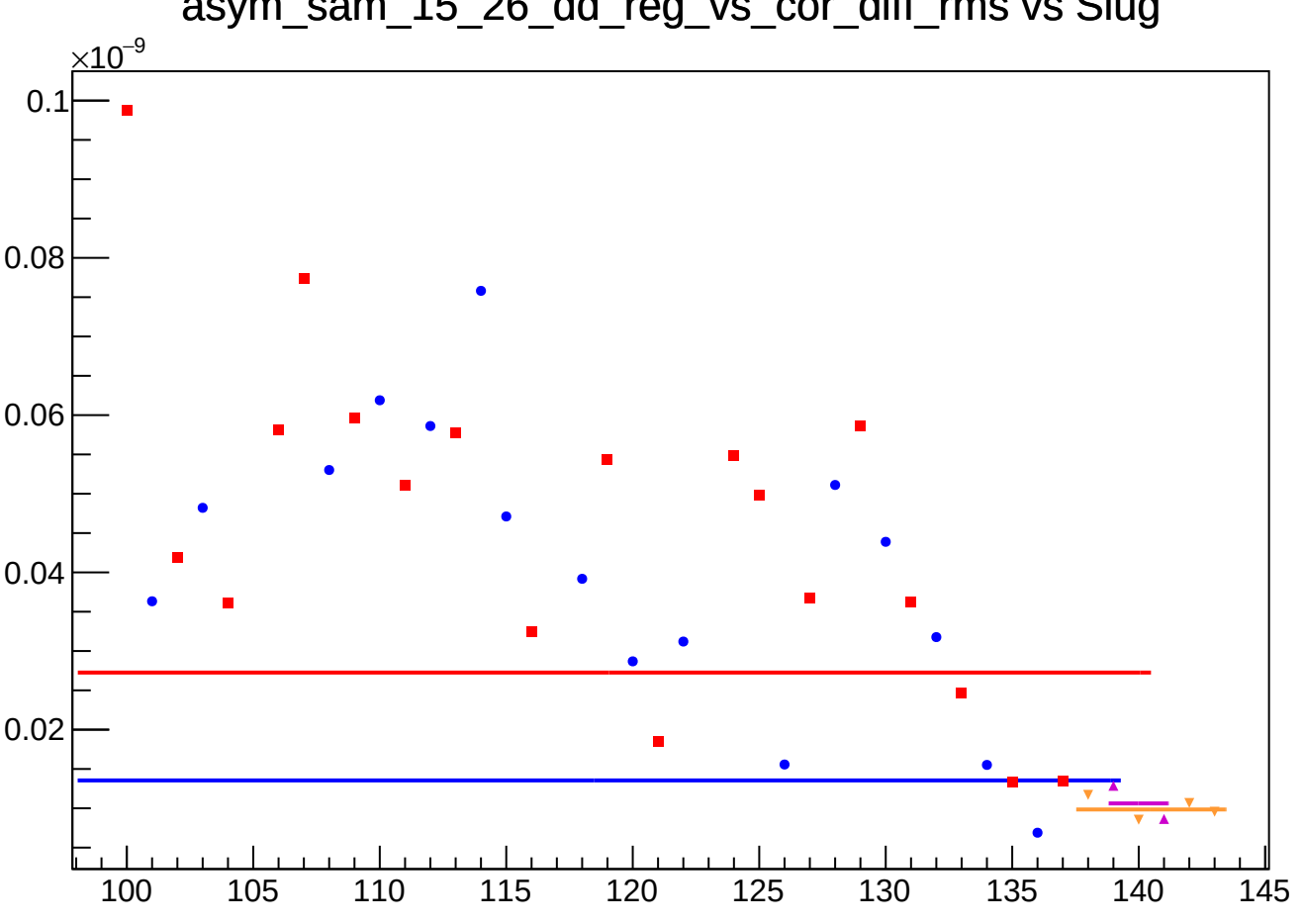
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

+ sign -0.000+/-0.000 χ^2/NDF: 18.9/19

All: -0.000+/-0.000 χ^2/NDF: 39.1/40

- sign 0.000+/-0.000 χ^2/NDF: 18.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:40675.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

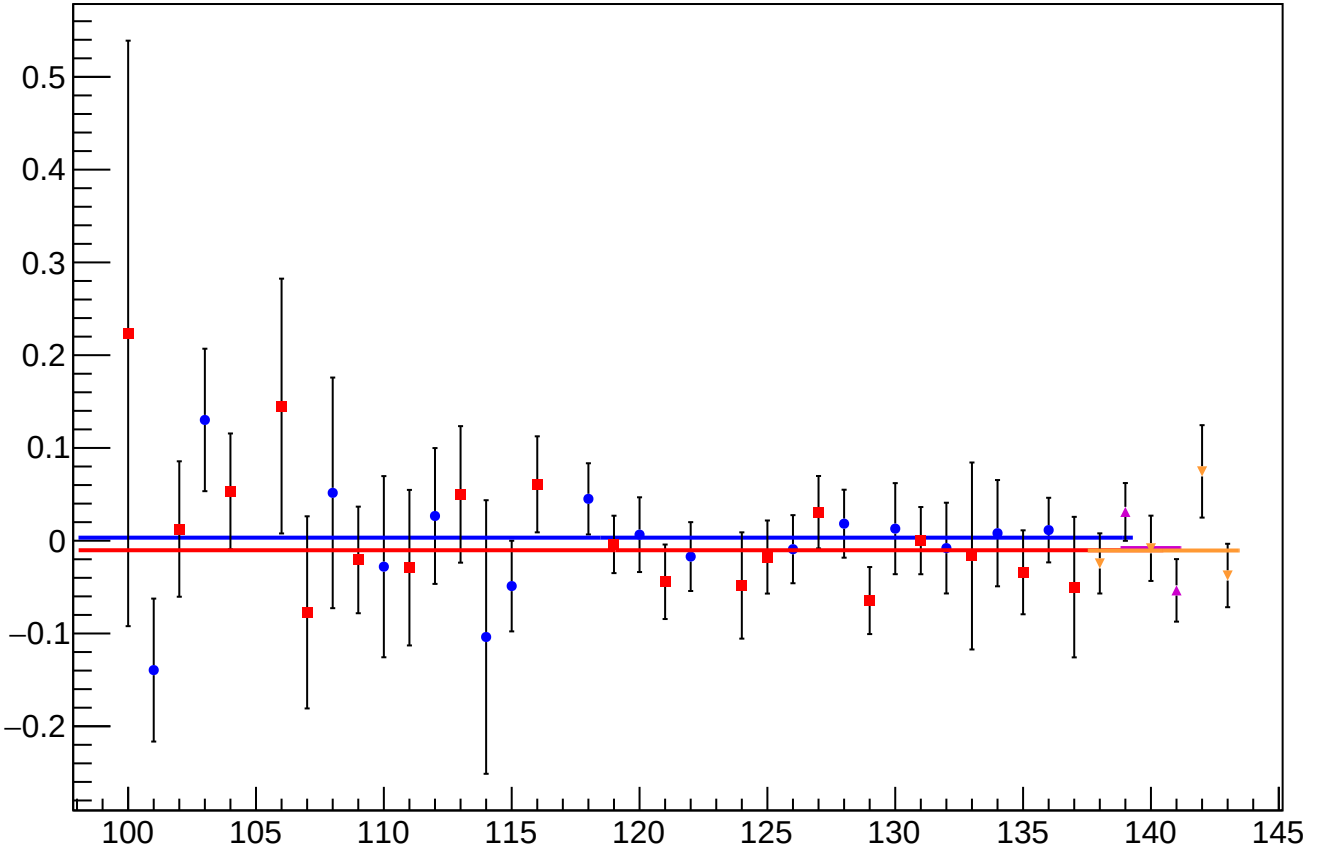
Left In: 0.000+/-0.000 χ^2/NDF:59620.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 3234955.1/19

All: 0.000+/-0.000 χ^2/NDF: 6585673.6/40

- sign 0.000+/-0.000 χ^2/NDF: 3030681.9/20

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: -0.011+/-0.018 χ^2/NDF:3.7/3

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

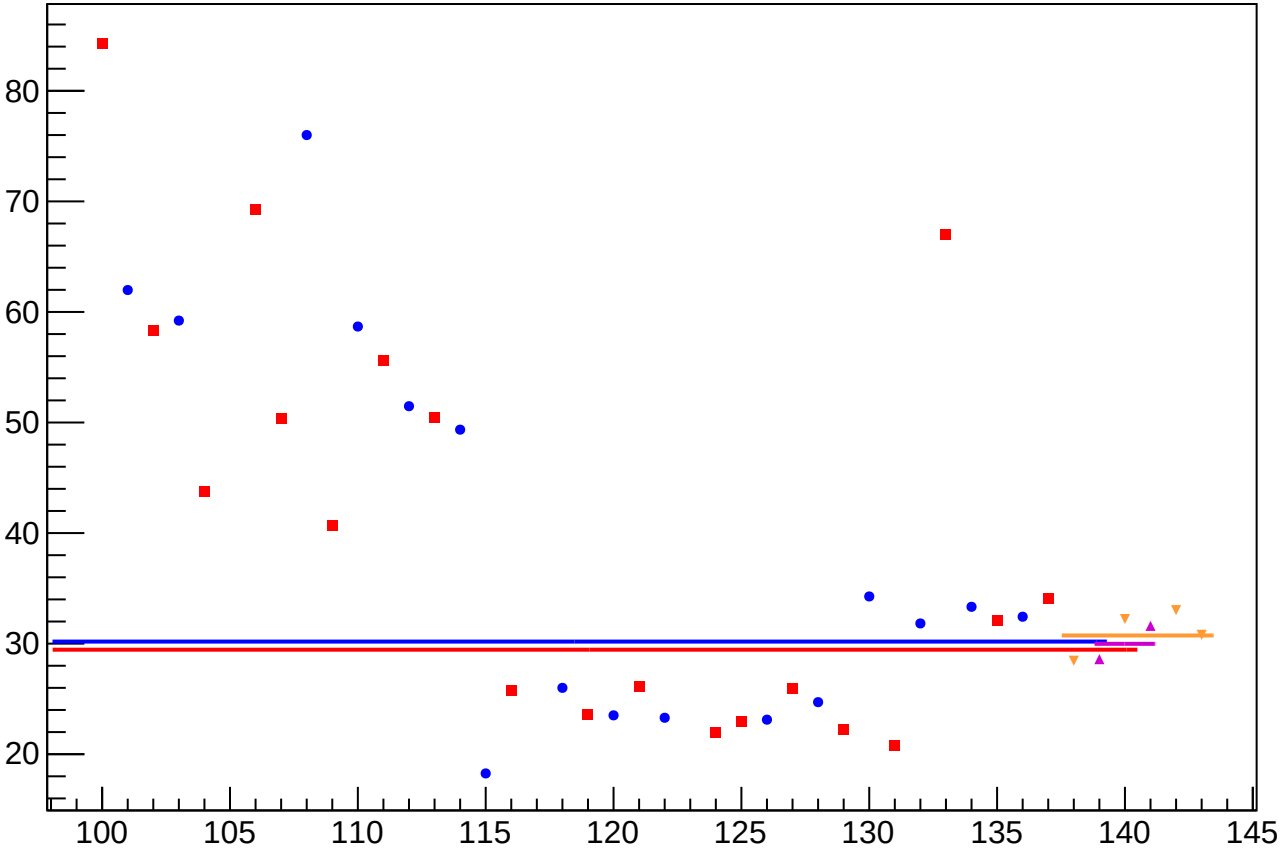
Left In: -0.008+/-0.023 χ^2/NDF:3.4/1

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/19

All: -0.005+/-0.007 χ^2/NDF: 29.3/40

- sign -0.010+/-0.010 χ^2/NDF: 14.6/20

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: 30.739+/-0.013 χ^2/NDF:17718.4/3

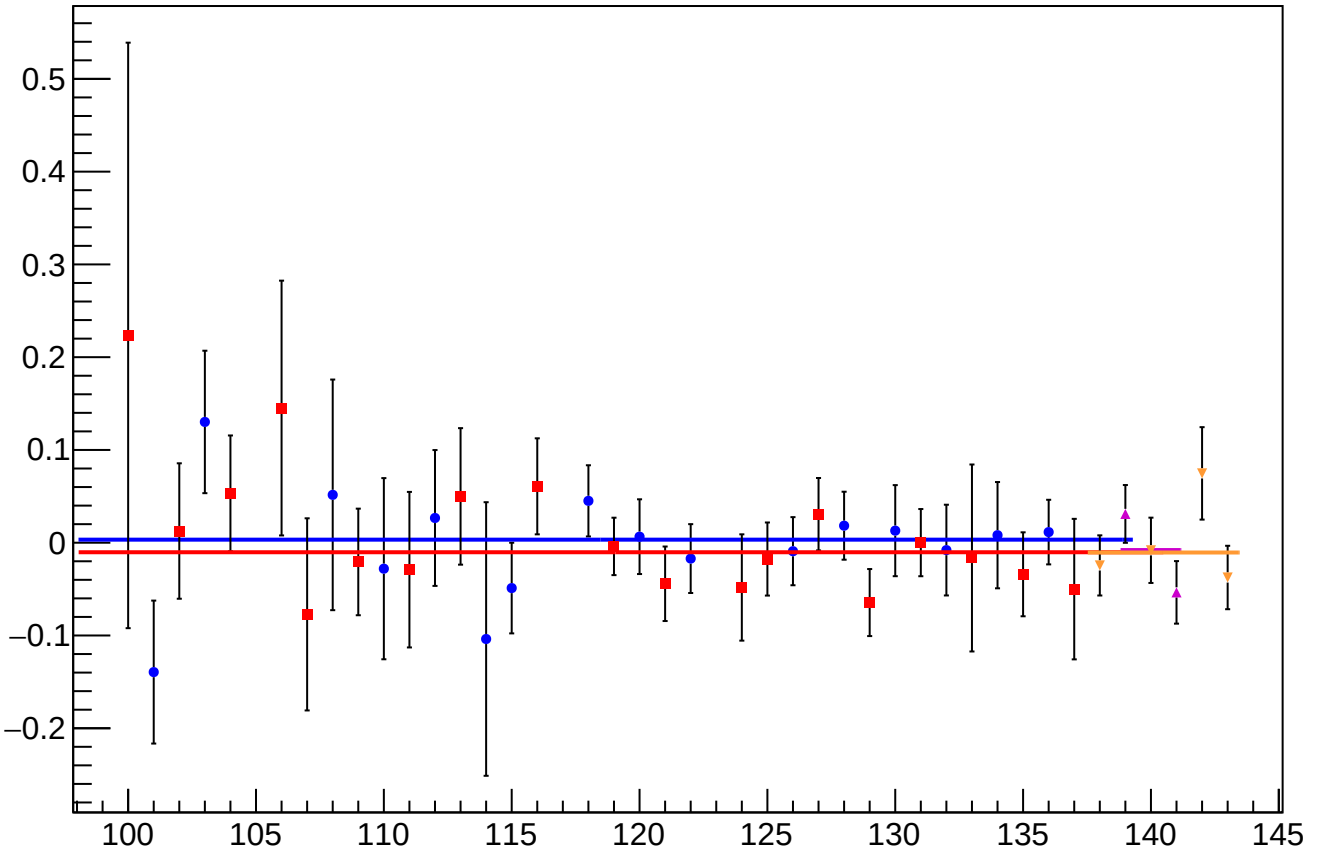
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.983+/-0.016 χ^2/NDF:8620.5/1

+ sign 30.359+/-0.007 χ^2/NDF: 1706355.1/19

All: 29.974+/-0.005 χ^2/NDF: 3570388.9/40

- sign 29.563+/-0.007 χ^2/NDF: 1858109.4/20



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

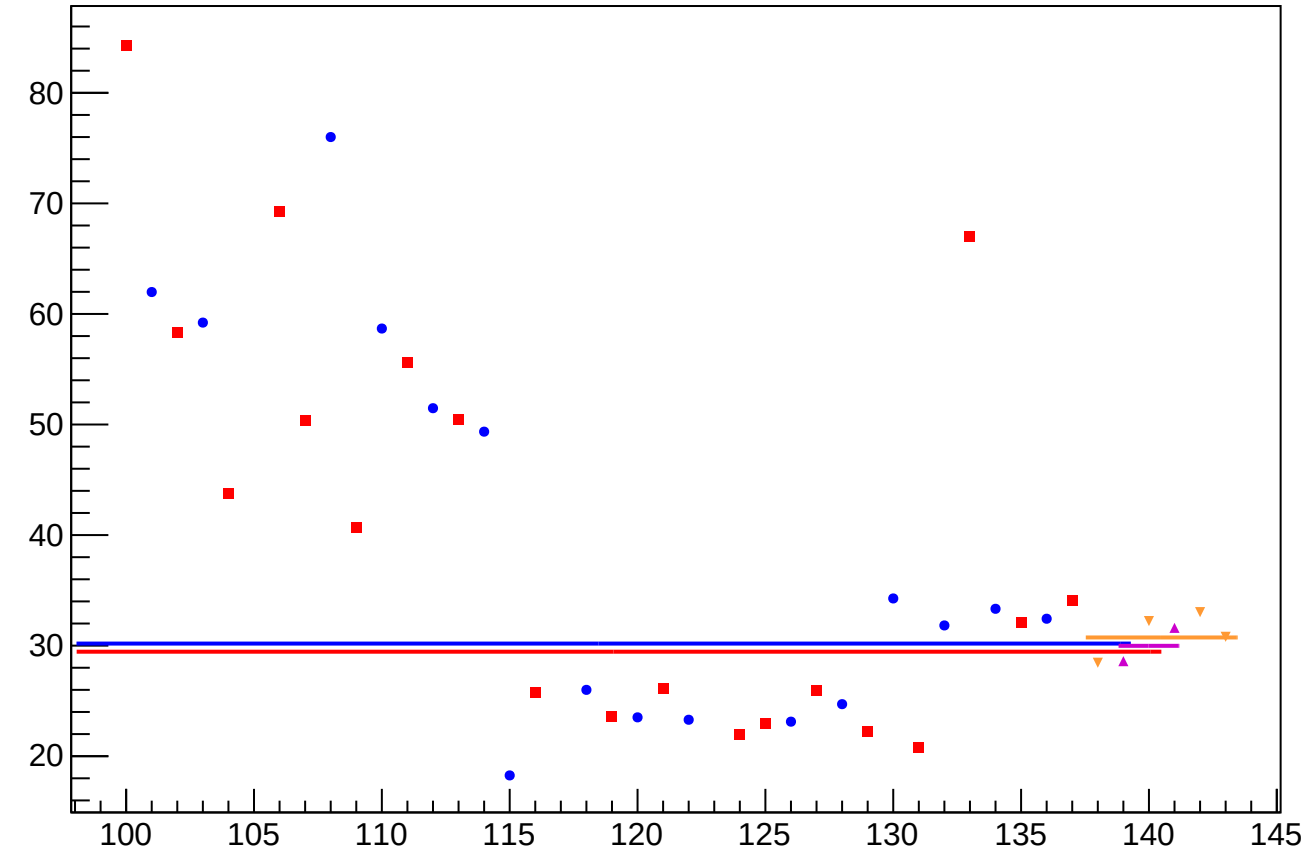
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.008+/-0.023 χ^2/NDF:3.4/1

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/19

All: -0.005+/-0.007 χ^2/NDF: 29.3/40

- sign -0.010+/-0.010 χ^2/NDF: 14.6/20



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.739+/-0.013 χ^2/NDF:17718.4/3

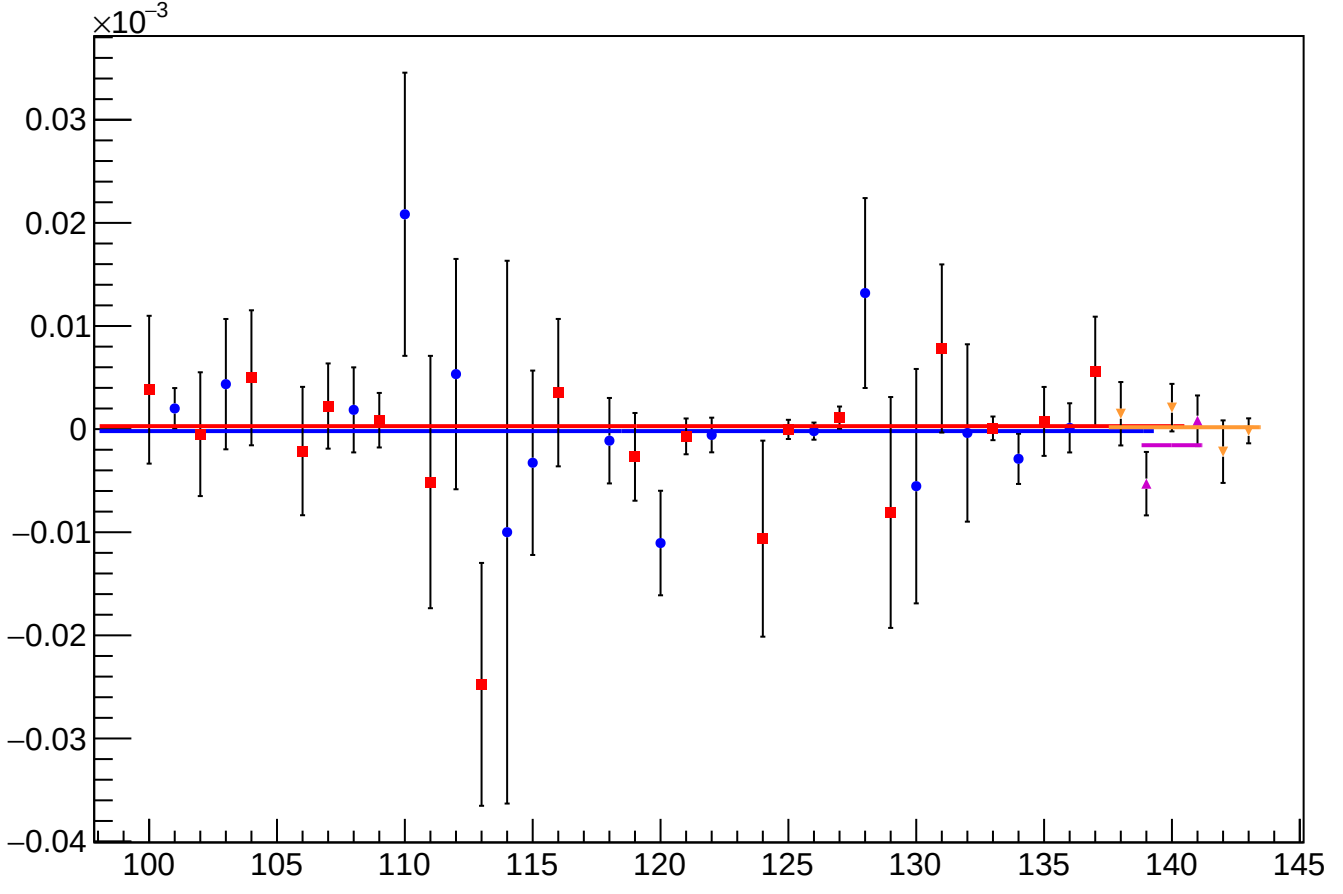
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.983+/-0.016 χ^2/NDF:8620.5/1

+ sign 30.359+/-0.007 χ^2/NDF: 1706355.1/19

All: 29.974+/-0.005 χ^2/NDF: 3570388.9/40

- sign 29.563+/-0.007 χ^2/NDF: 1858109.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

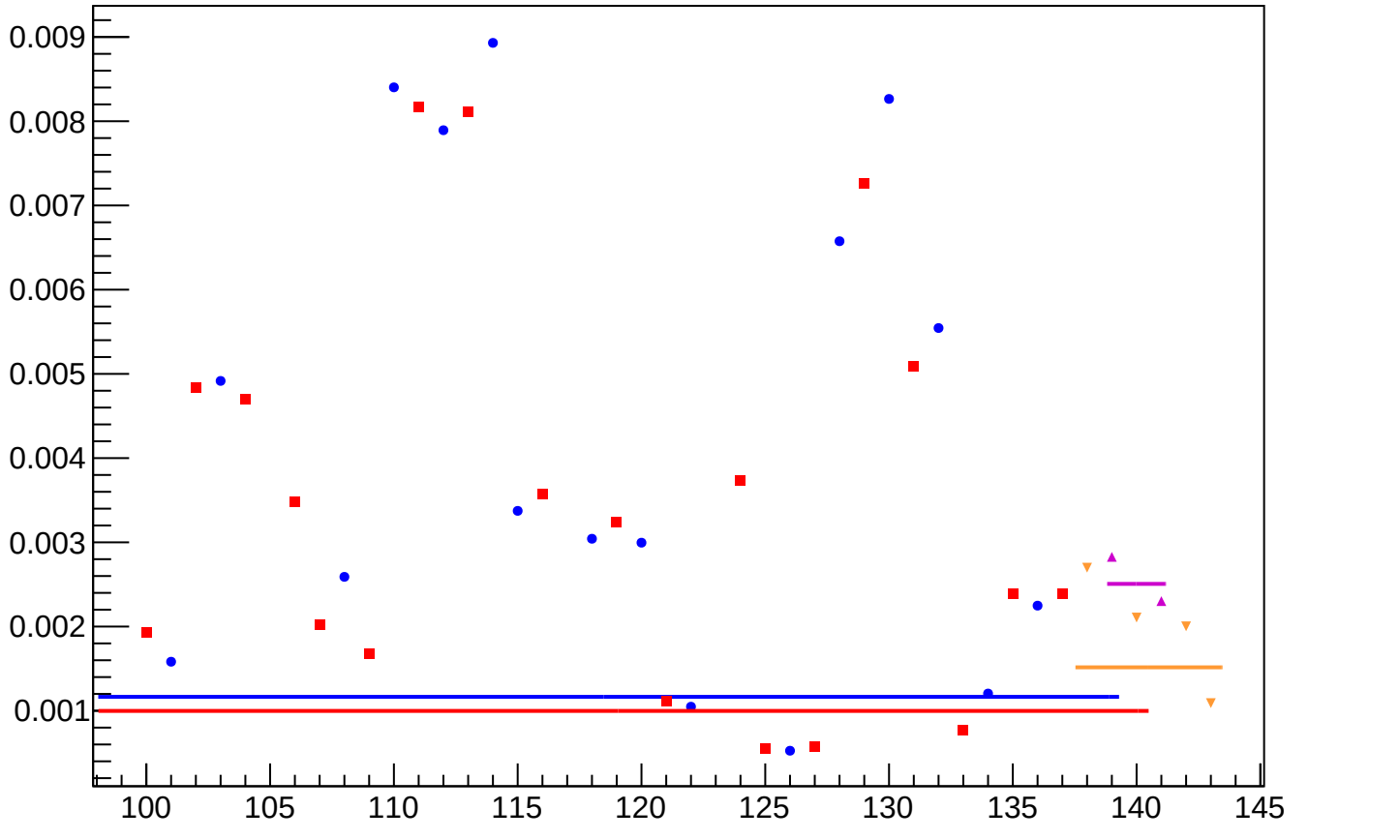
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/1

+ sign -0.000+/-0.000 χ^2/NDF: 14.8/19

All: 0.000+/-0.000 χ^2/NDF: 29.6/40

- sign 0.000+/-0.000 χ^2/NDF: 14.7/20



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:725380.1/3

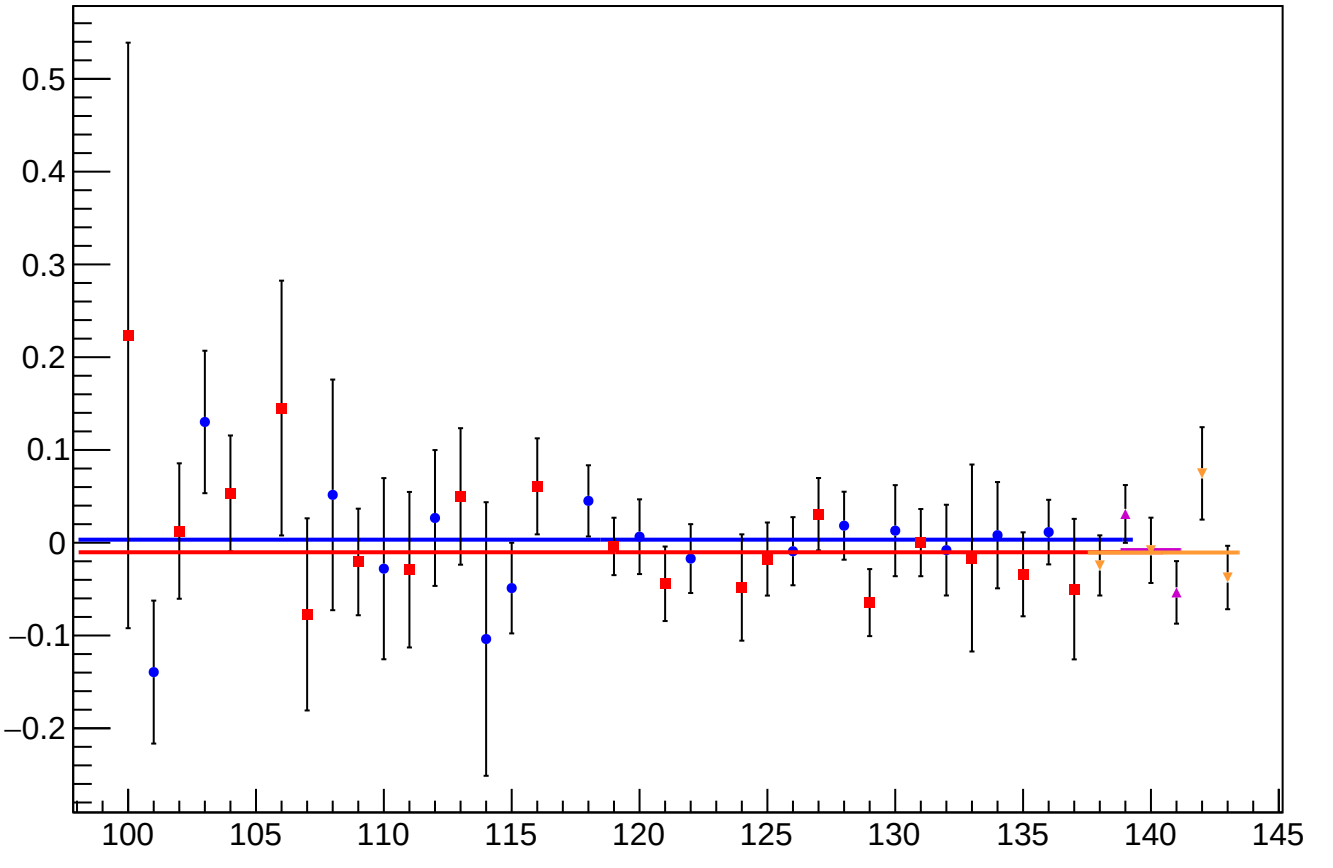
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.003+/-0.000 χ^2/NDF:35626.7/1

+ sign 0.001+/-0.000 χ^2/NDF: 7796116.6/19

All: 0.001+/-0.000 χ^2/NDF: 16023600.8/40

- sign 0.001+/-0.000 χ^2/NDF: 8123559.7/20



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

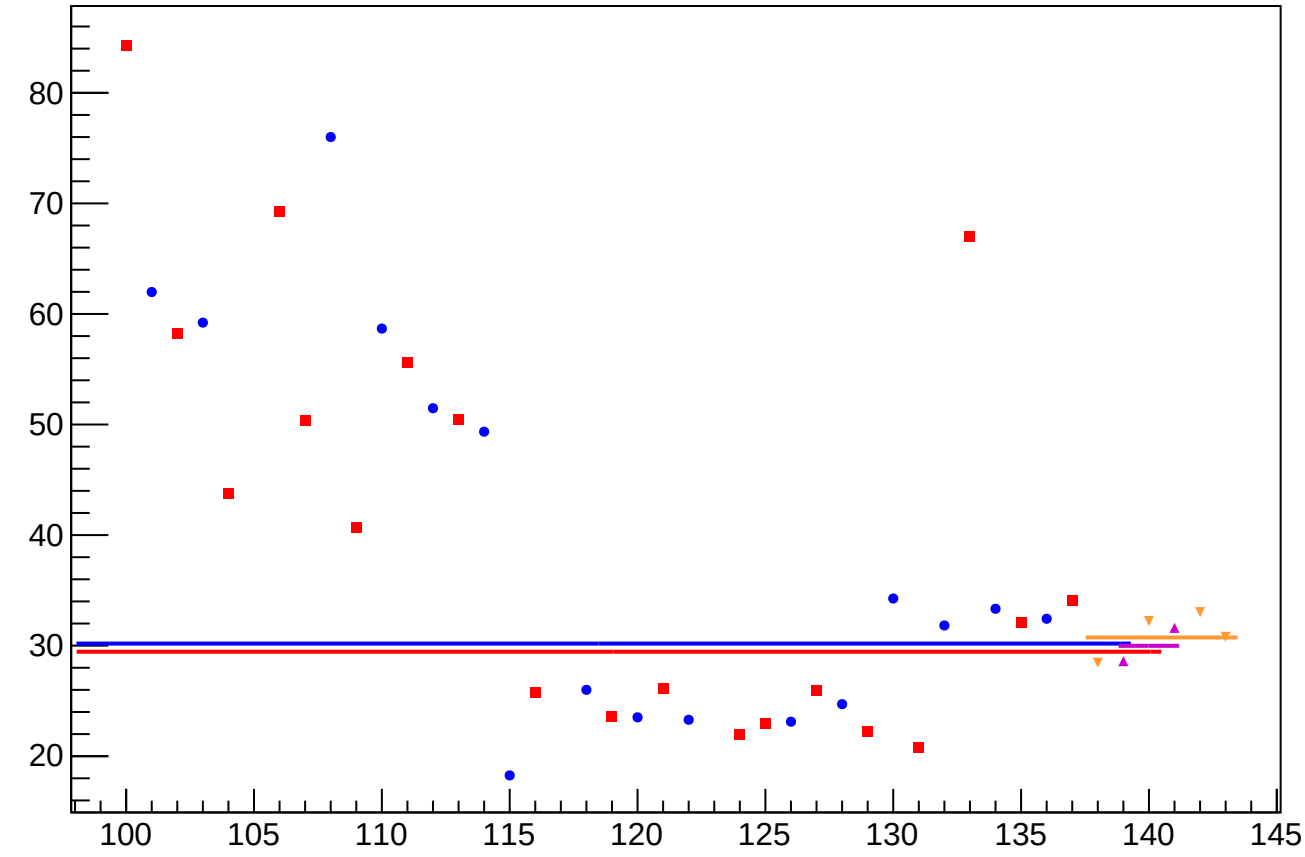
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.008+/-0.023 χ^2/NDF:3.4/1

+ sign -0.001+/-0.010 χ^2/NDF: 14.3/19

All: -0.005+/-0.007 χ^2/NDF: 29.3/40

- sign -0.010+/-0.010 χ^2/NDF: 14.6/20



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.739+/-0.013 χ^2/NDF:17717.9/3

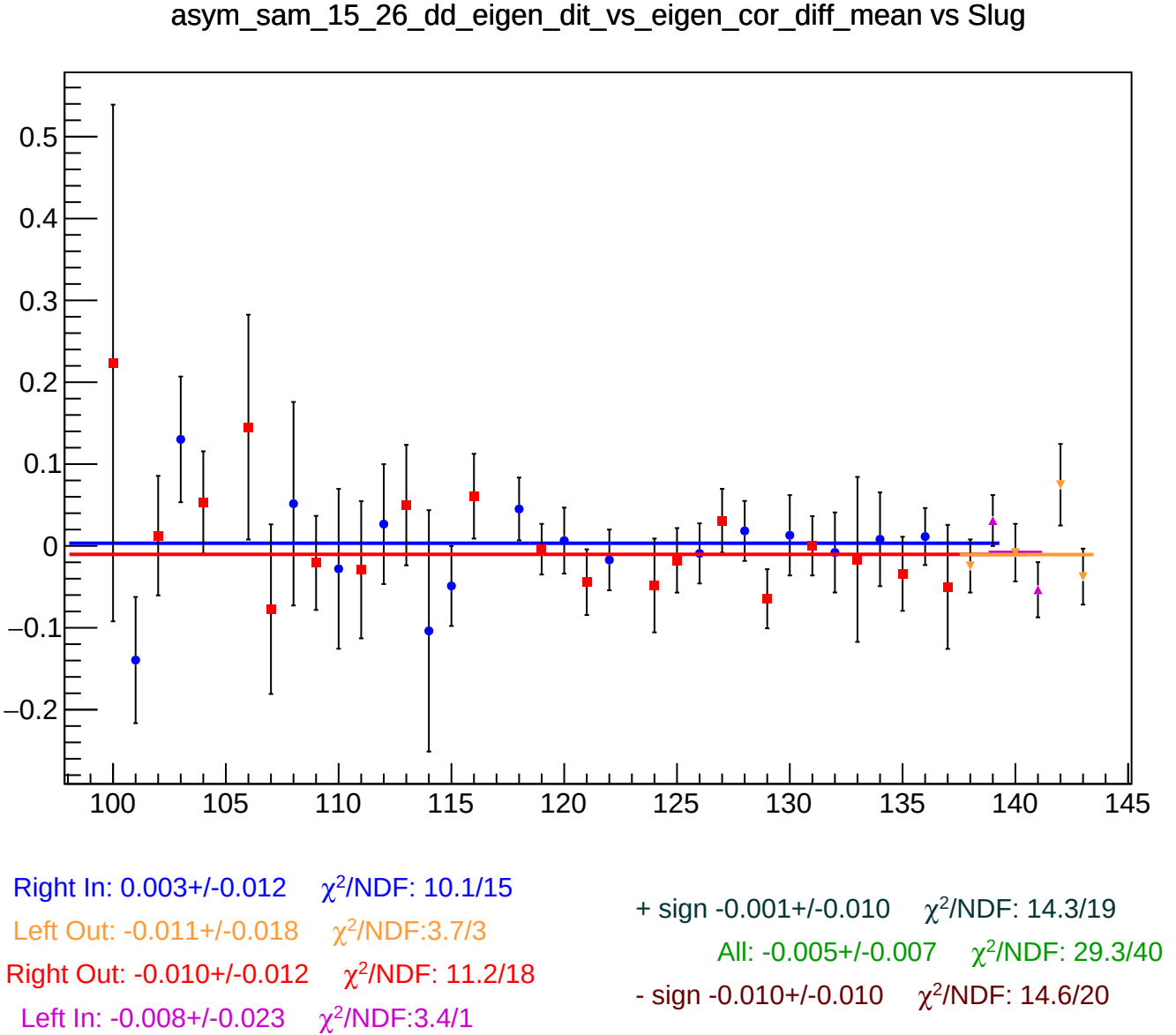
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

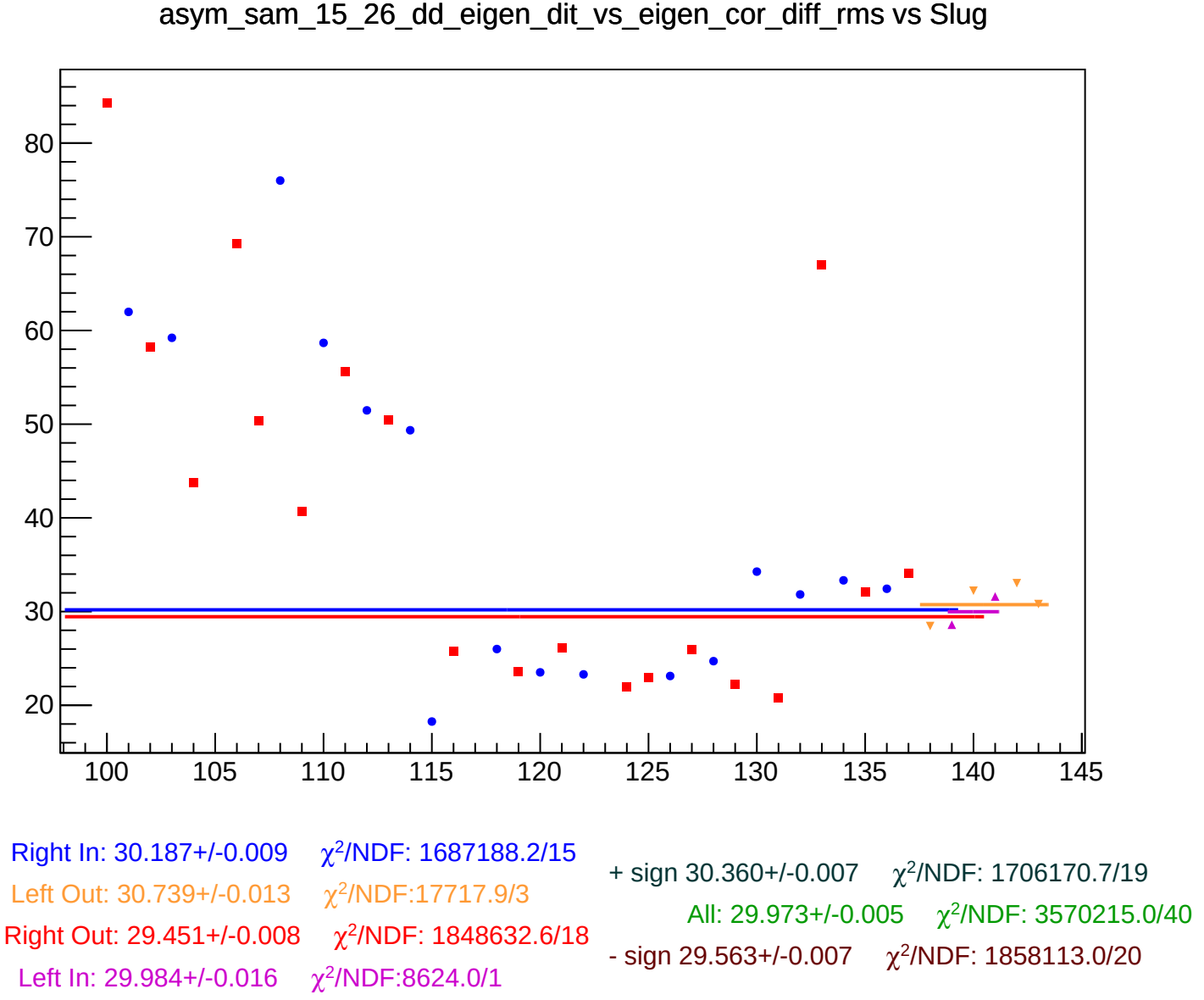
Left In: 29.984+/-0.016 χ^2/NDF:8624.0/1

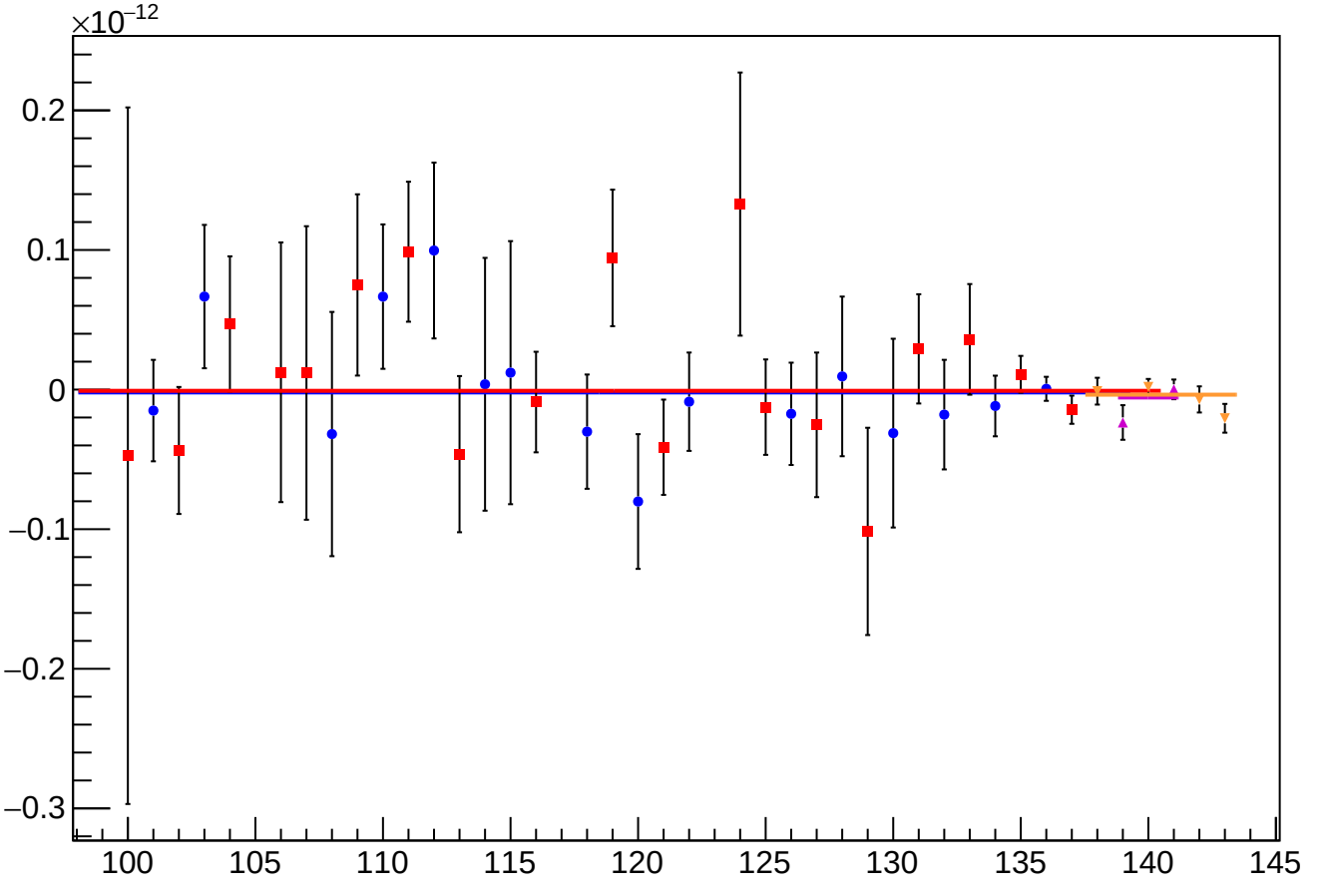
+ sign 30.360+/-0.007 χ^2/NDF: 1706170.7/19

All: 29.973+/-0.005 χ^2/NDF: 3570215.0/40

- sign 29.563+/-0.007 χ^2/NDF: 1858113.0/20


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: -0.011+/-0.018 χ²/NDF:3.7/3
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.008+/-0.023 χ²/NDF:3.4/1
+ sign -0.001+/-0.010 χ²/NDF: 14.3/19
All: -0.005+/-0.007 χ²/NDF: 29.3/40
- sign -0.010+/-0.010 χ²/NDF: 14.6/20


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
105
110
115
120
125
130
135
140
145
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 30.739+/-0.013 χ²/NDF:17717.9/3
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 29.984+/-0.016 χ²/NDF:8624.0/1
+ sign 30.360+/-0.007 χ²/NDF: 1706170.7/19
All: 29.973+/-0.005 χ²/NDF: 3570215.0/40
- sign 29.563+/-0.007 χ²/NDF: 1858113.0/20



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

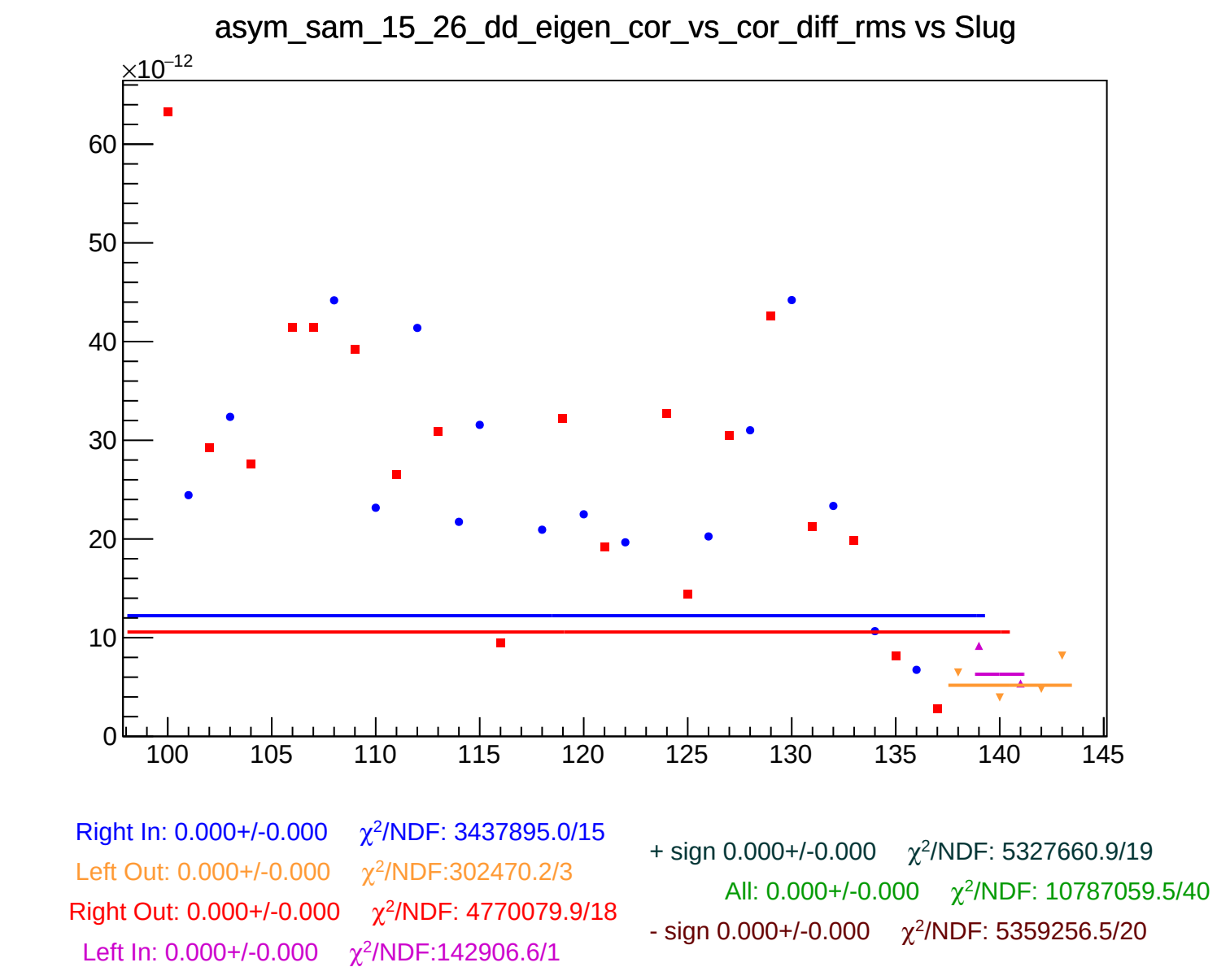
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/1

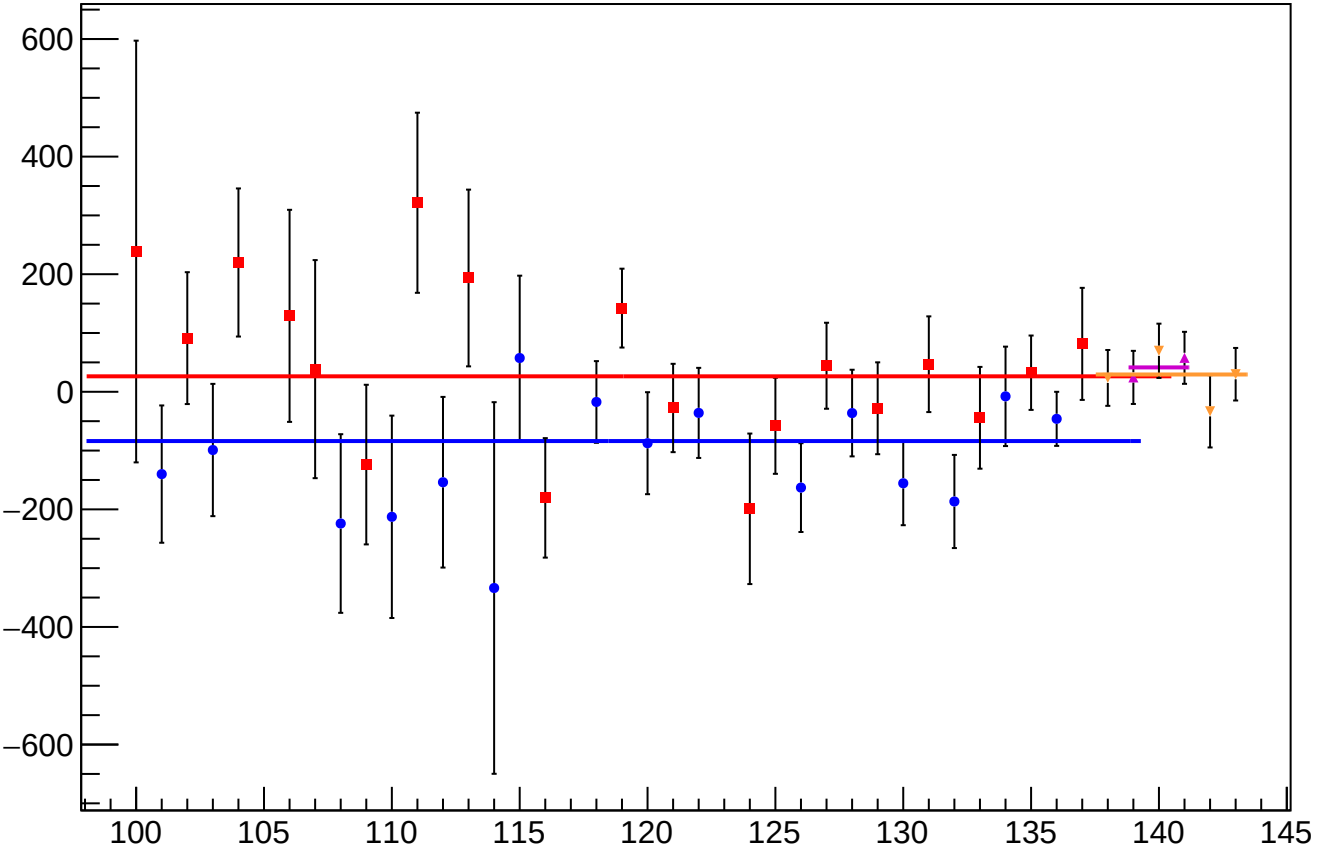
+ sign -0.000+/-0.000 χ^2/NDF: 14.3/19

All: -0.000+/-0.000 χ^2/NDF: 38.7/40

- sign -0.000+/-0.000 χ^2/NDF: 24.4/20


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:302470.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:142906.6/1
+ sign 0.000+/-0.000 χ²/NDF: 5327660.9/19
All: 0.000+/-0.000 χ²/NDF: 10787059.5/40
- sign 0.000+/-0.000 χ²/NDF: 5359256.5/20

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.414+/-24.413 χ^2/NDF:1.8/3

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

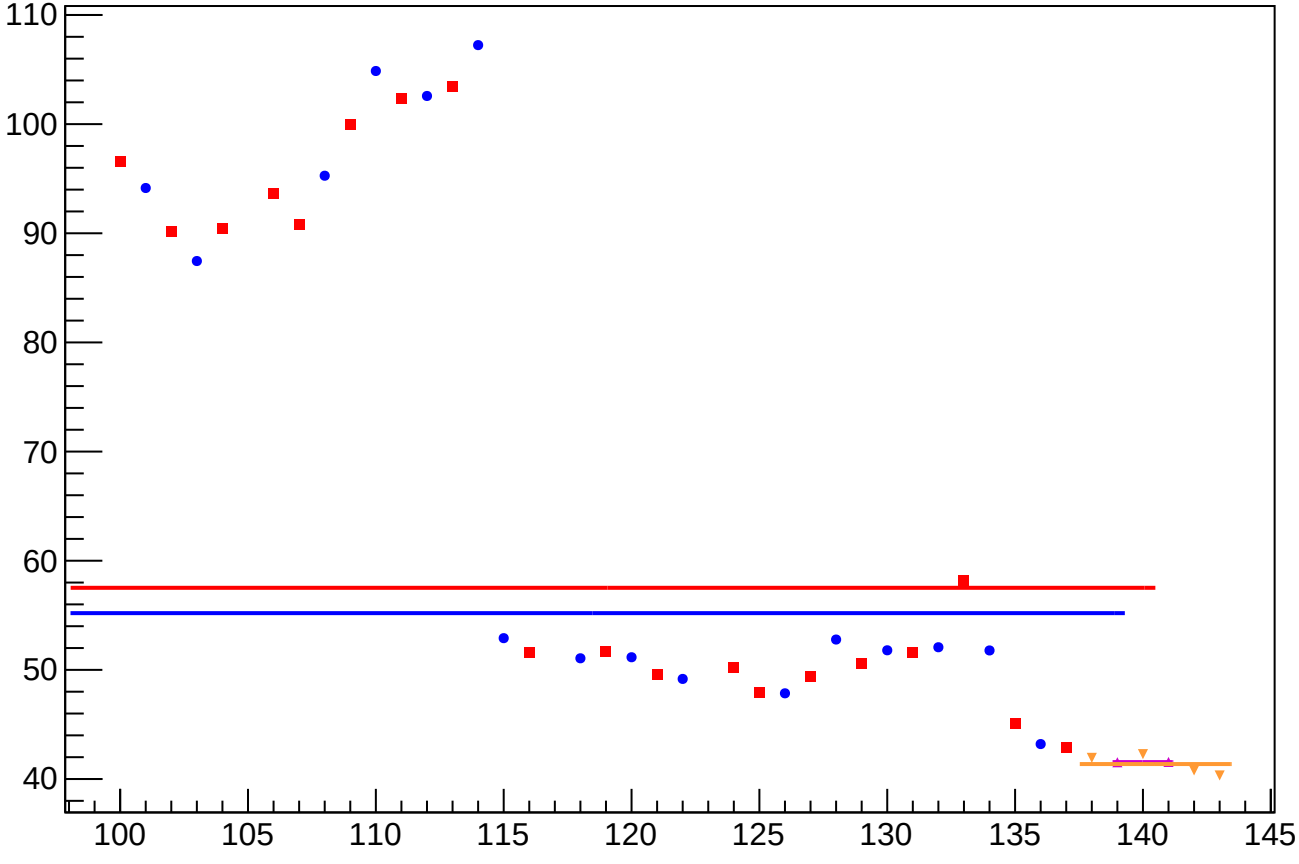
Left In: 41.459+/-31.601 χ^2/NDF:0.3/1

+ sign -34.522+/-16.107 χ^2/NDF: 24.5/19

All: -5.432+/-12.030 χ^2/NDF: 55.3/40

- sign 31.270+/-18.092 χ^2/NDF: 23.4/20

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.371+/-0.017 χ^2/NDF:2331.8/3

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

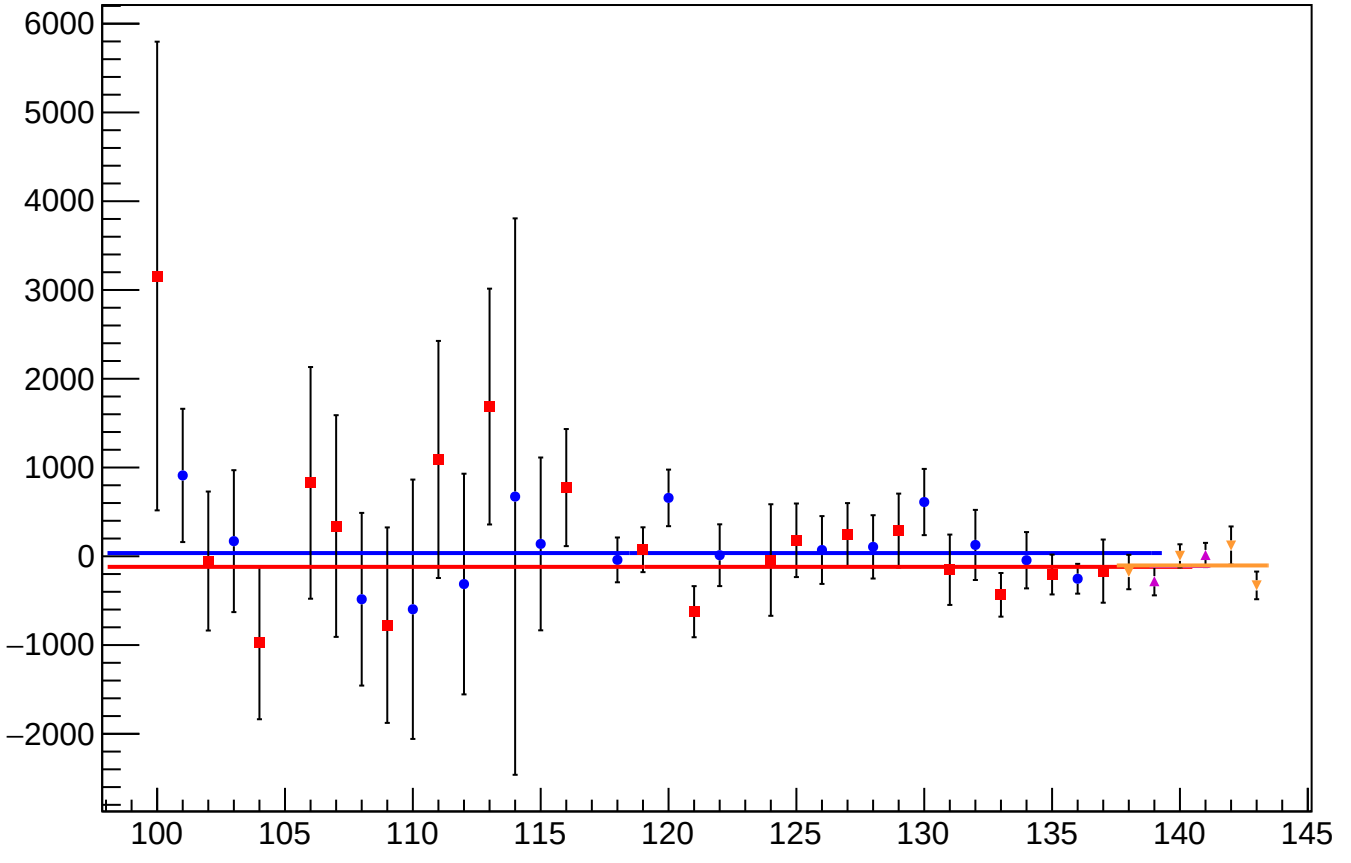
Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

+ sign 49.179+/-0.011 χ^2/NDF: 1517199.8/19

All: 50.552+/-0.009 χ^2/NDF: 3175150.5/40

- sign 52.285+/-0.013 χ^2/NDF: 1625059.7/20

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.311+/-82.096 χ^2/NDF:4.0/3

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

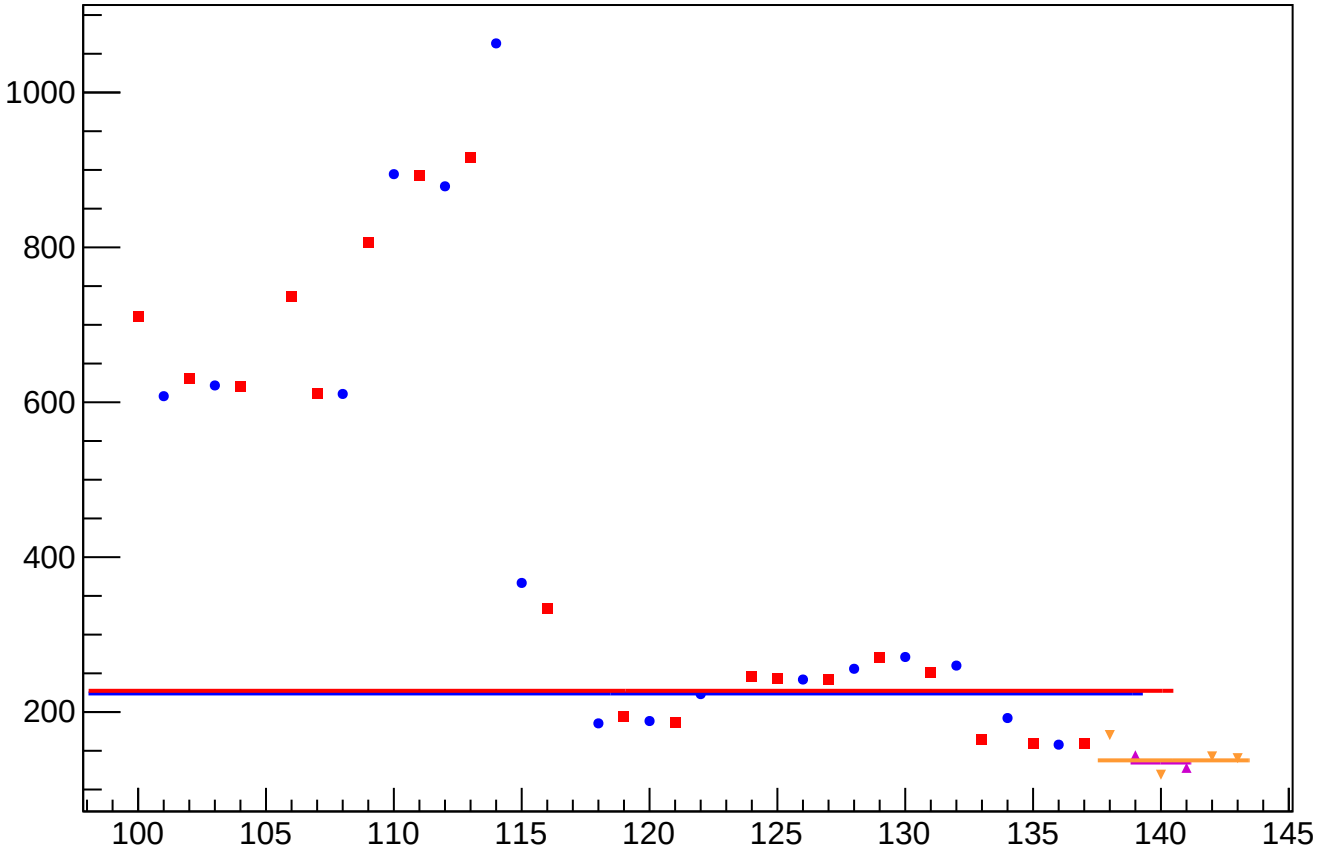
Left In: -109.626+/-103.683 χ^2/NDF:2.0/1

+ sign -42.569+/-61.709 χ^2/NDF: 16.7/19

All: -73.952+/-46.398 χ^2/NDF: 35.3/40

- sign -114.771+/-70.376 χ^2/NDF: 18.0/20

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 137.638+/-0.058 χ^2/NDF:99110.4/3

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

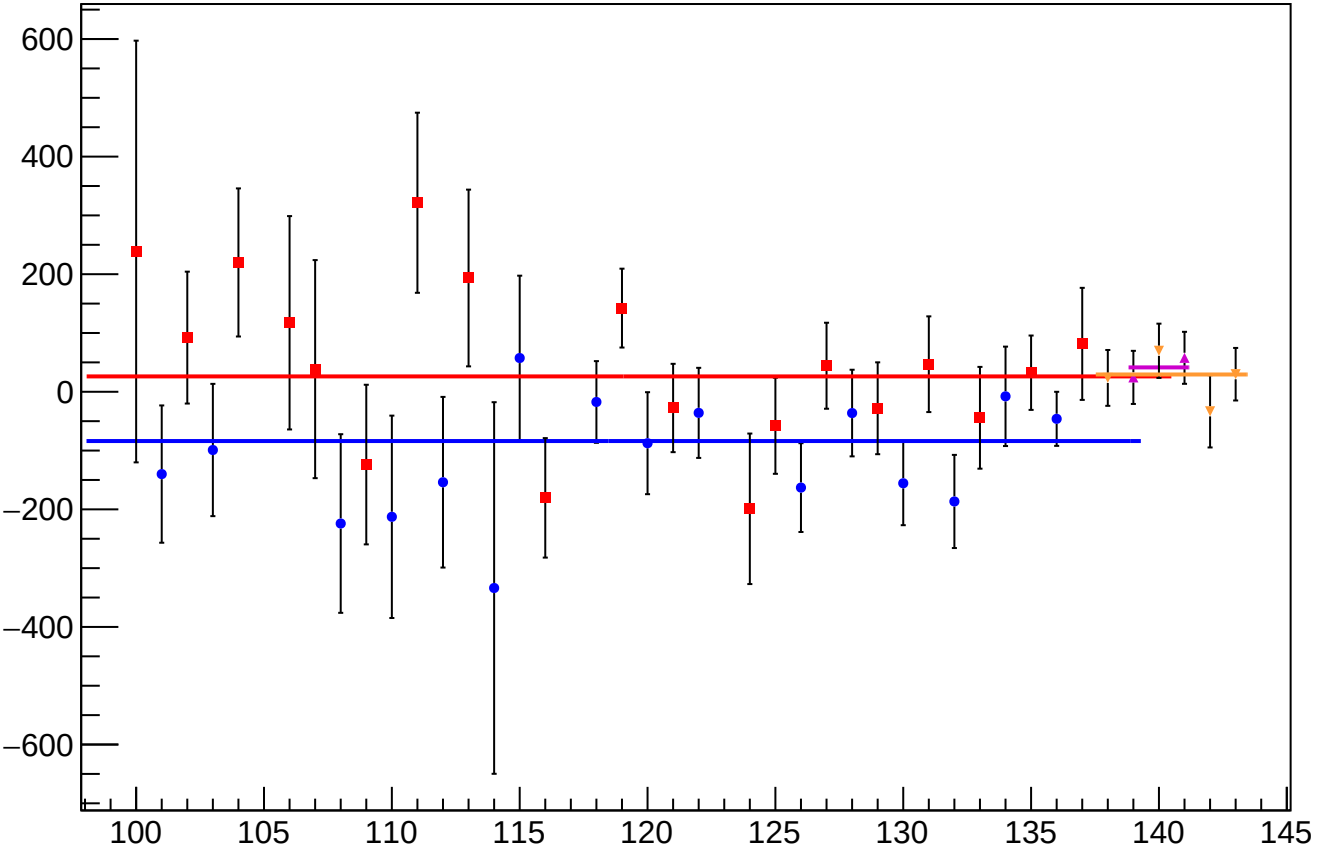
Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

+ sign 175.223+/-0.044 χ^2/NDF: 4030857.2/19

All: 179.376+/-0.033 χ^2/NDF: 8564940.3/40

- sign 184.778+/-0.050 χ^2/NDF: 4513240.2/20

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.414+/-24.413 χ^2/NDF:1.8/3

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

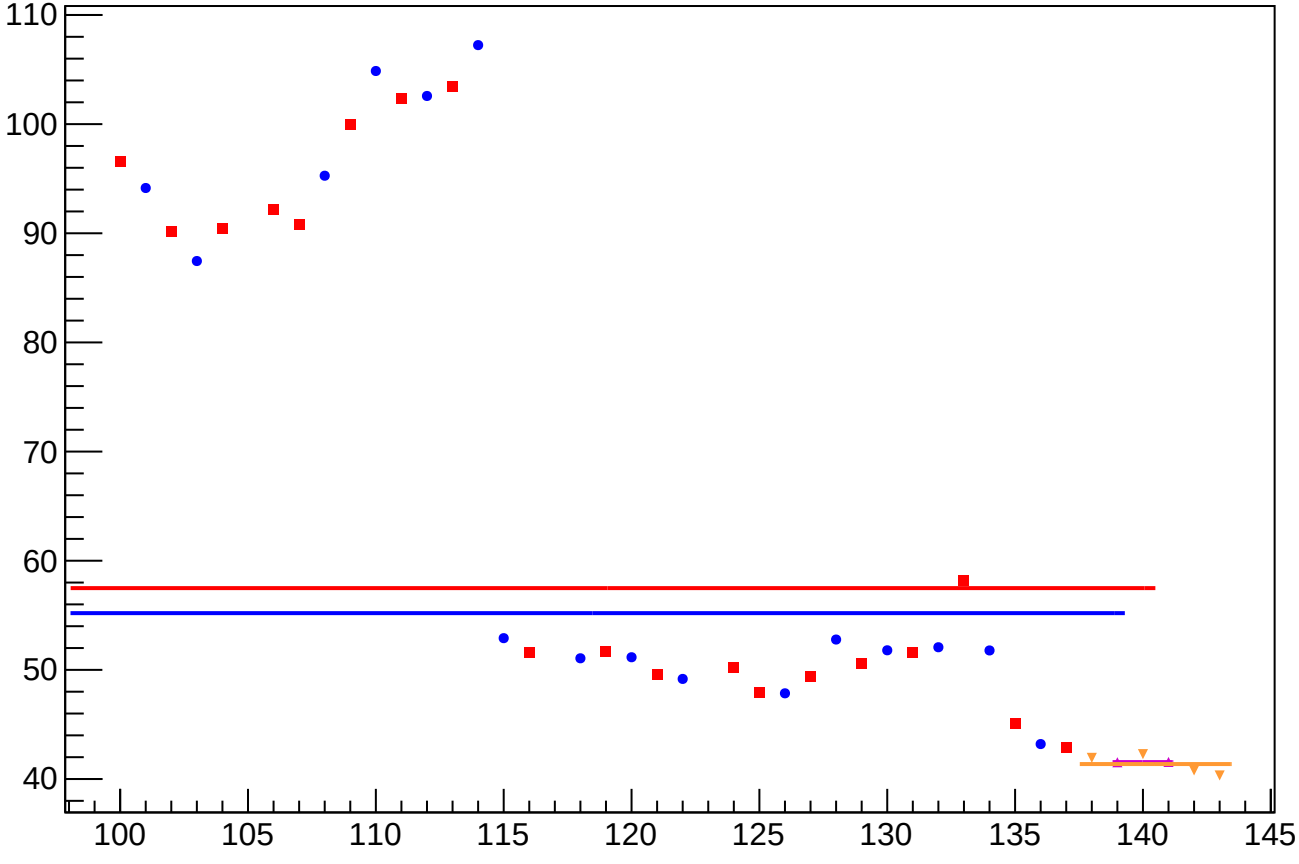
Left In: 41.466+/-31.601 χ^2/NDF:0.3/1

+ sign -34.520+/-16.107 χ^2/NDF: 24.5/19

All: -5.480+/-12.031 χ^2/NDF: 55.2/40

- sign 31.166+/-18.094 χ^2/NDF: 23.3/20

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.371+/-0.017 χ^2/NDF:2331.8/3

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

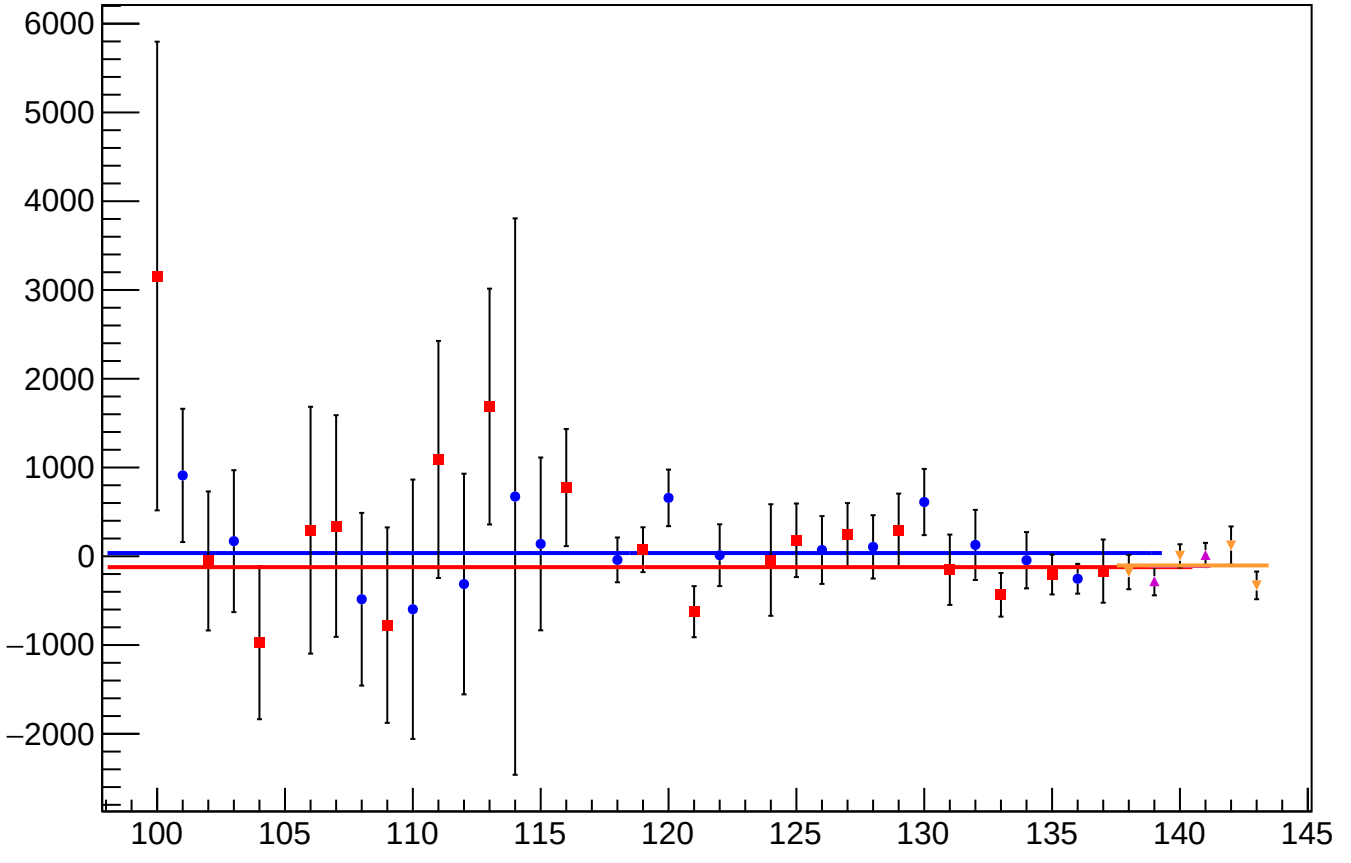
Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

+ sign 49.179+/-0.011 χ^2/NDF: 1517200.0/19

All: 50.543+/-0.009 χ^2/NDF: 3166057.4/40

- sign 52.265+/-0.013 χ^2/NDF: 1616392.5/20

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.308+/-82.096 χ^2/NDF:4.0/3

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

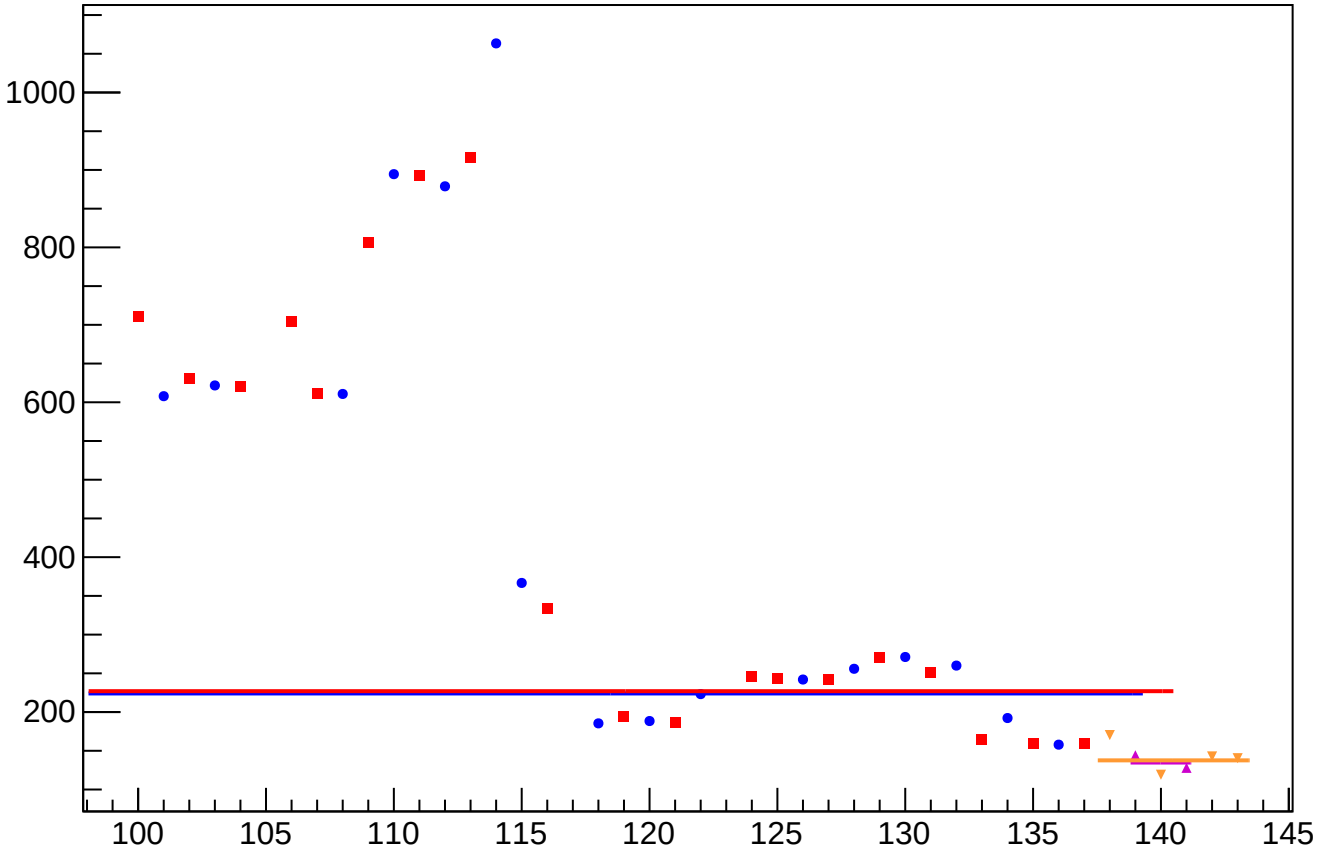
Left In: -109.626+/-103.683 χ^2/NDF:2.0/1

\+ sign -42.567+/-61.709 χ^2/NDF: 16.7/19

All: -74.676+/-46.402 χ^2/NDF: 34.9/40

\- sign -116.453+/-70.388 χ^2/NDF: 17.6/20

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 137.638+/-0.058 χ^2/NDF:99109.2/3

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

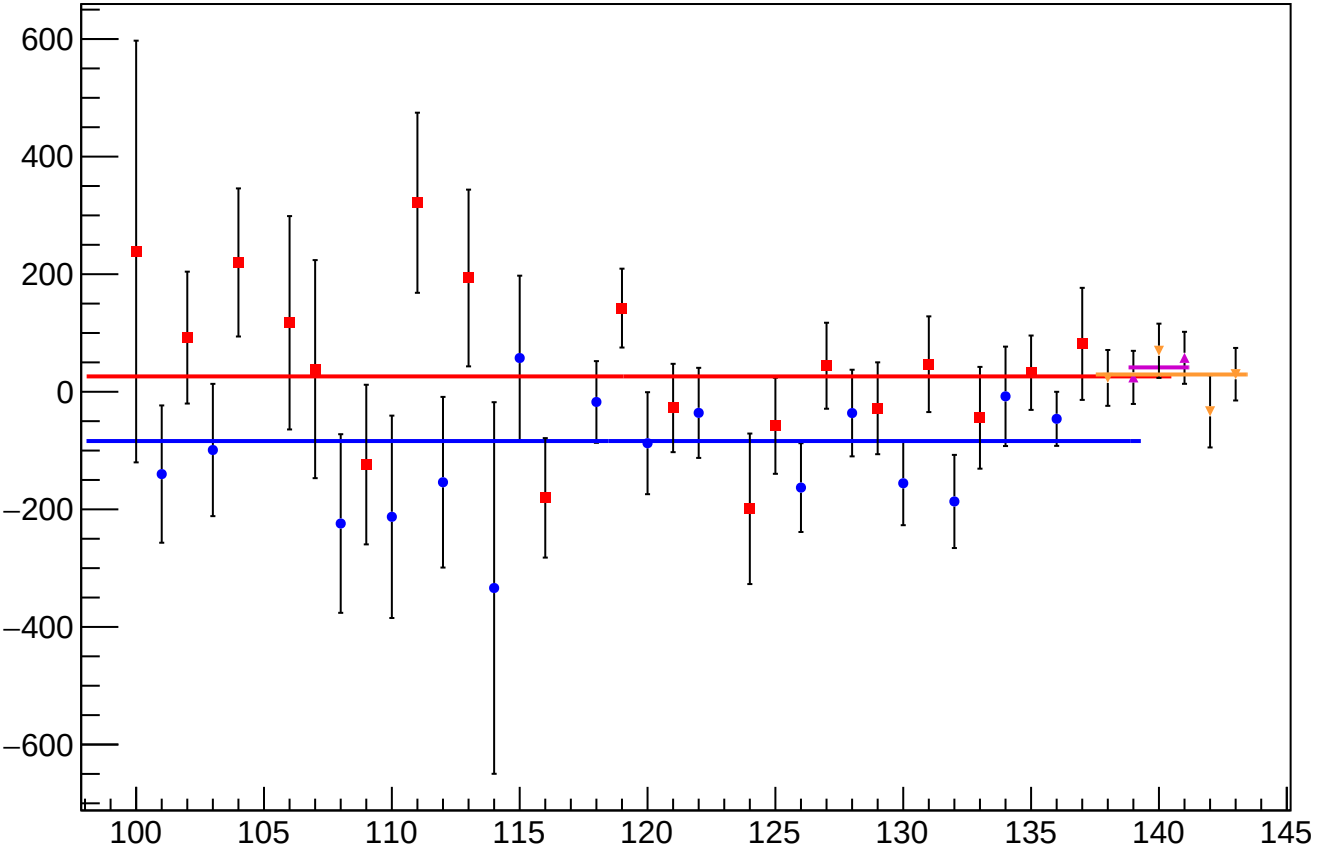
Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

+ sign 175.223+/-0.044 χ^2/NDF: 4030859.9/19

All: 179.257+/-0.033 χ^2/NDF: 8485923.7/40

- sign 184.505+/-0.050 χ^2/NDF: 4435402.5/20

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.414+/-24.413 χ^2/NDF:1.8/3

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

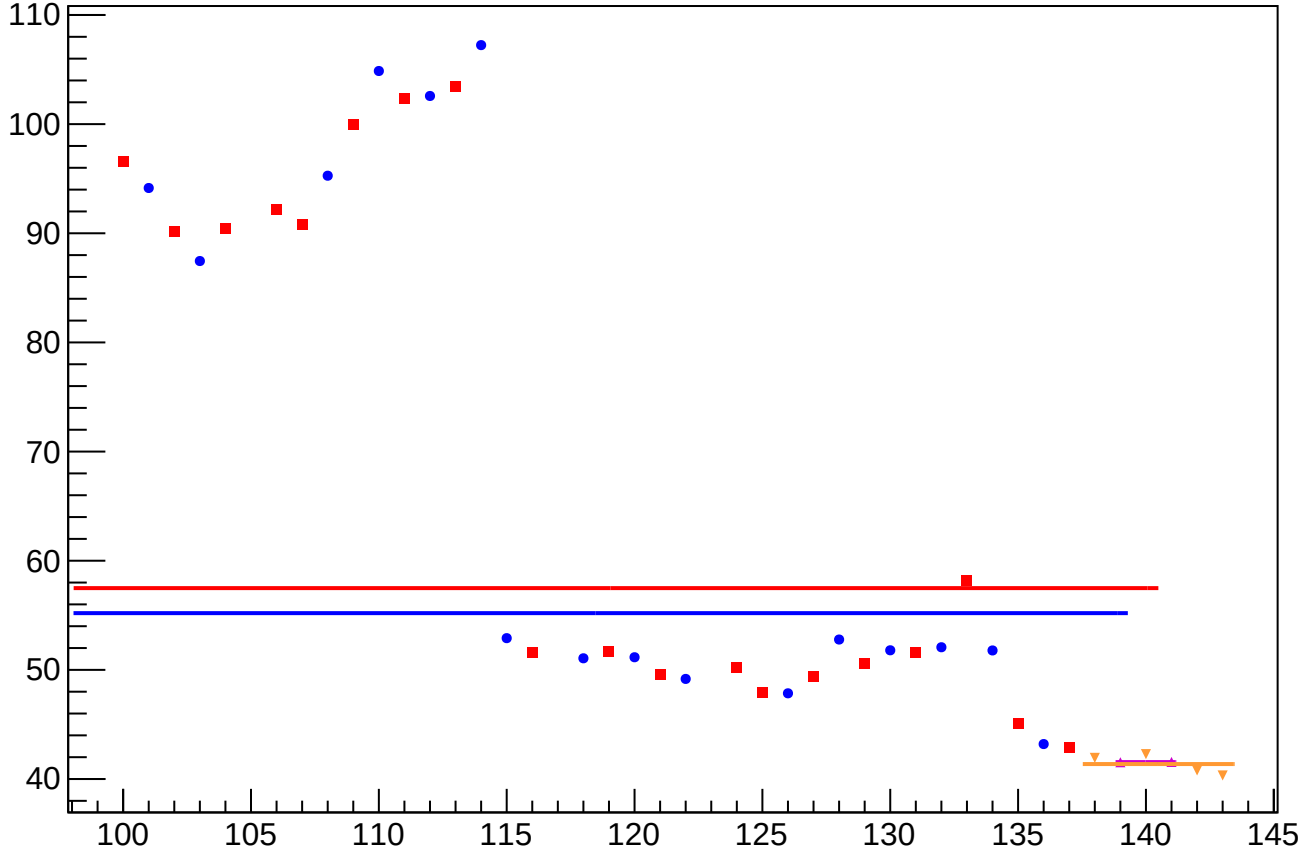
Left In: 41.466+/-31.601 χ^2/NDF:0.3/1

+ sign -34.520+/-16.107 χ^2/NDF: 24.5/19

All: -5.480+/-12.031 χ^2/NDF: 55.2/40

- sign 31.166+/-18.094 χ^2/NDF: 23.3/20

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.371+/-0.017 χ^2/NDF:2331.8/3

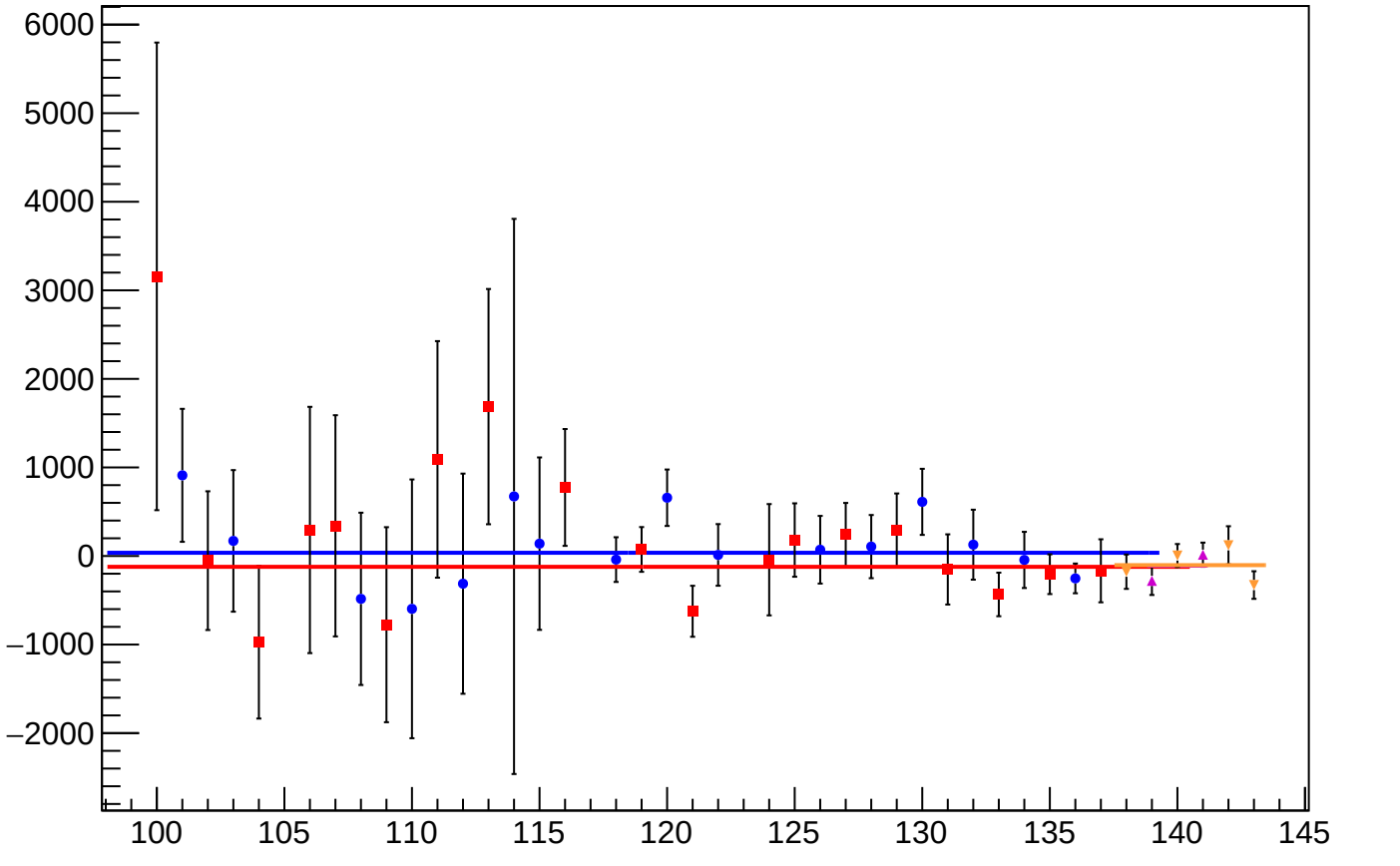
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

+ sign 49.179+/-0.011 χ^2/NDF: 1517200.0/19

All: 50.543+/-0.009 χ^2/NDF: 3166057.4/40

- sign 52.265+/-0.013 χ^2/NDF: 1616392.5/20



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.308+/-82.096 χ^2/NDF:4.0/3

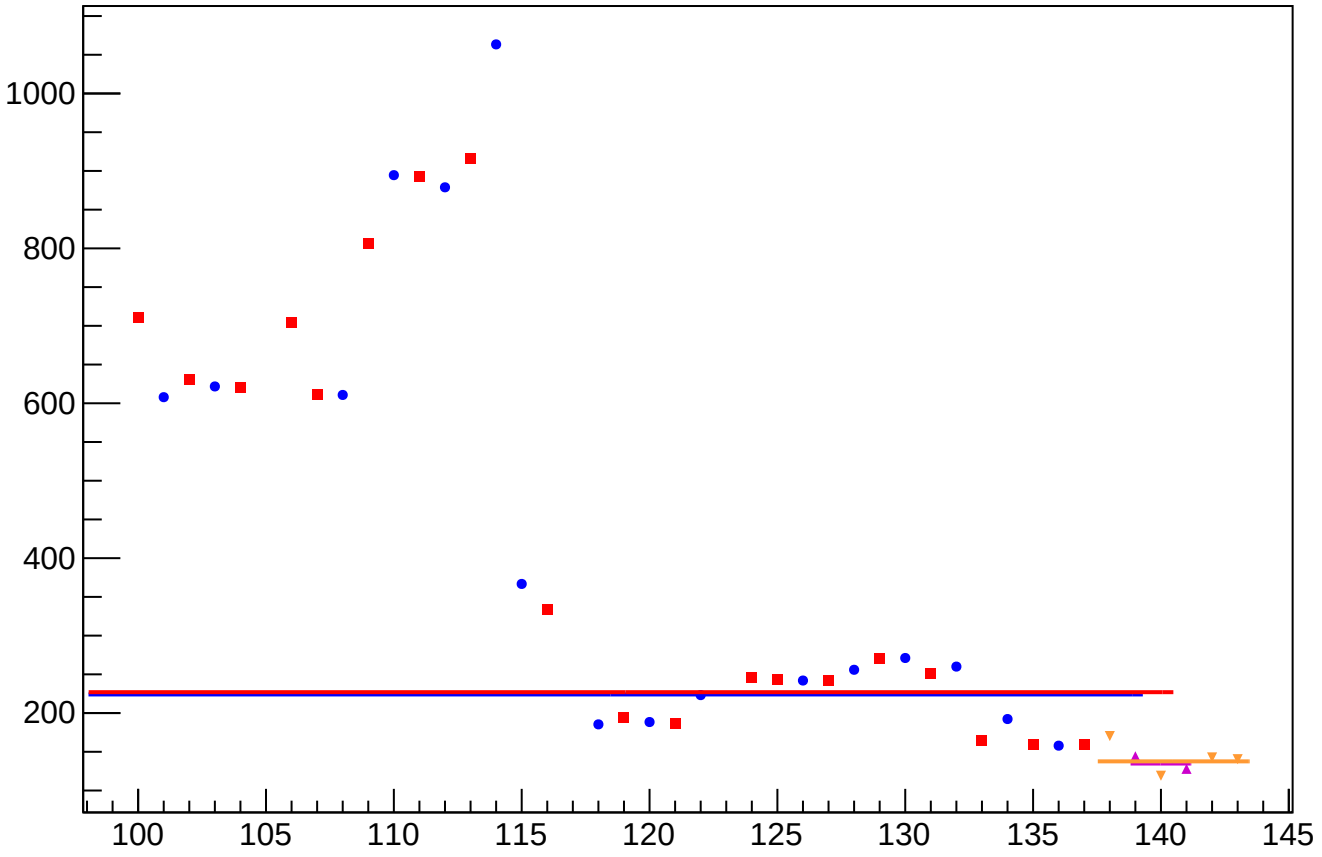
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -109.626+/-103.683 χ^2/NDF:2.0/1

+ sign -42.567+/-61.709 χ^2/NDF: 16.7/19

All: -74.676+/-46.402 χ^2/NDF: 34.9/40

- sign -116.453+/-70.388 χ^2/NDF: 17.6/20



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 137.638+/-0.058 χ^2/NDF:99109.2/3

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

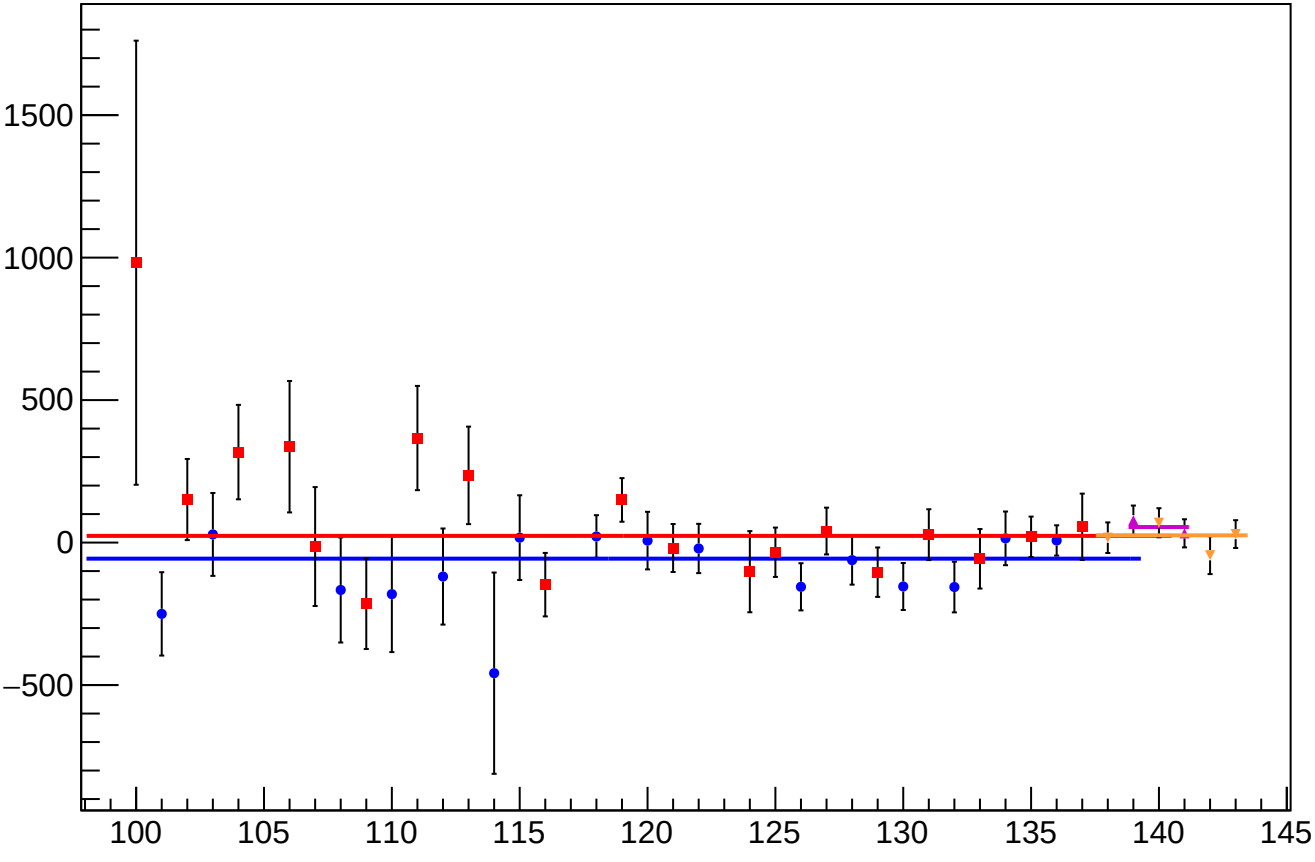
Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

+ sign 175.223+/-0.044 χ^2/NDF: 4030859.9/19

All: 179.257+/-0.033 χ^2/NDF: 8485923.7/40

- sign 184.505+/-0.050 χ^2/NDF: 4435402.5/20

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.377+/-26.932 χ^2/NDF:1.9/3

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

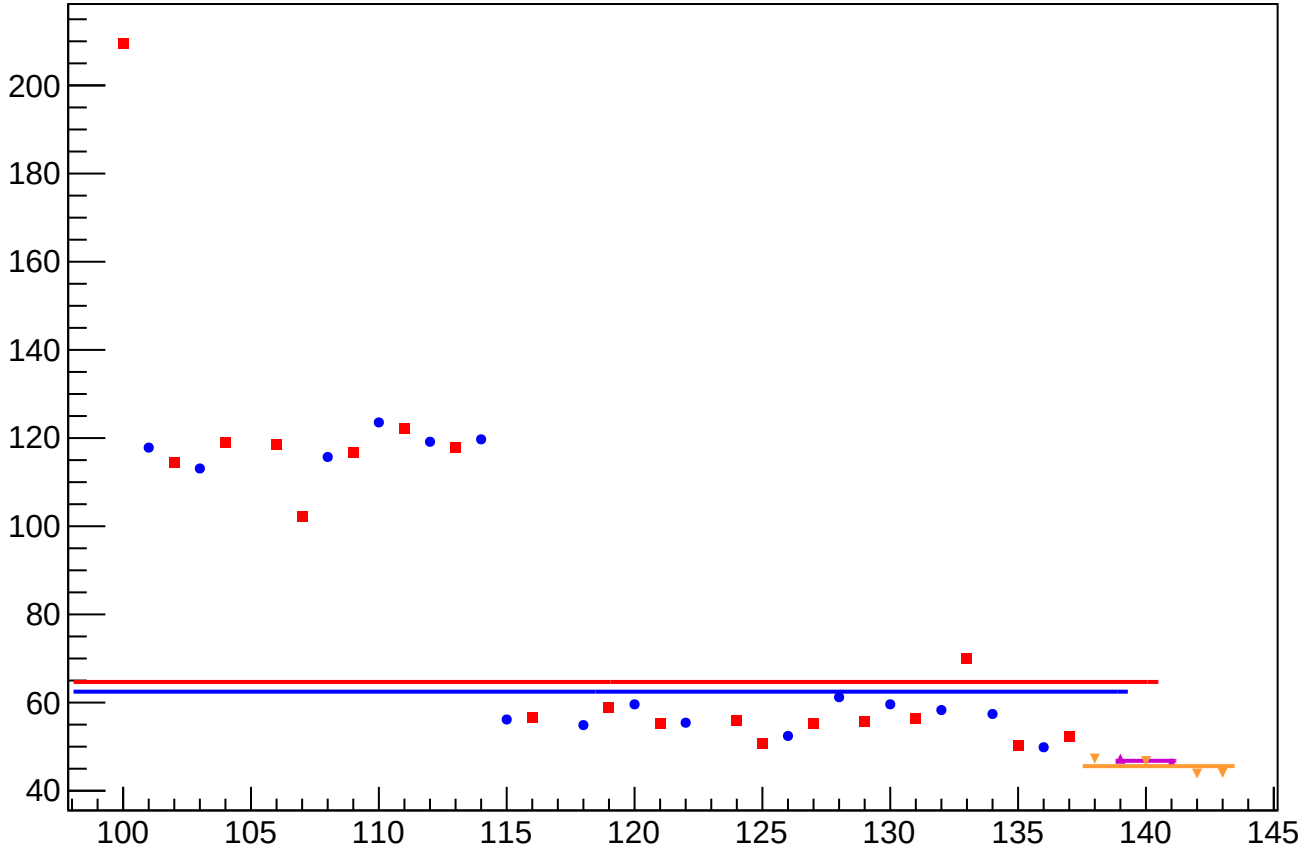
Left In: 54.533+/-35.595 χ^2/NDF:0.4/1

\+ sign -19.396+/-18.119 χ^2/NDF: 19.2/19

All: 3.891+/-13.589 χ^2/NDF: 48.0/40

\- sign 33.836+/-20.546 χ^2/NDF: 25.0/20

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.581+/-0.019 χ^2/NDF:6306.8/3

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

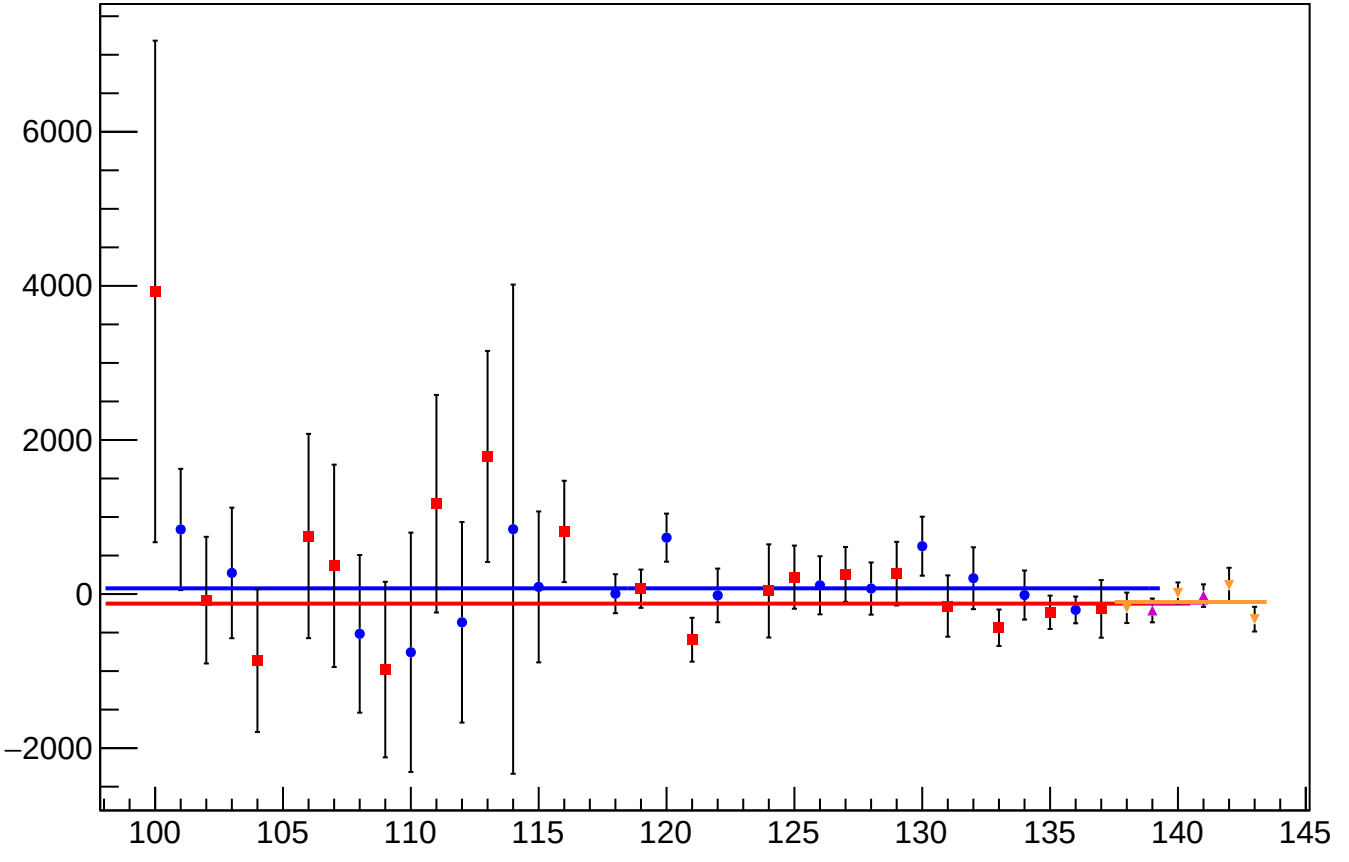
Left In: 46.791+/-0.025 χ^2/NDF:328.4/1

+ sign 54.828+/-0.013 χ^2/NDF: 1785290.7/19

All: 56.531+/-0.010 χ^2/NDF: 3753282.5/40

- sign 58.720+/-0.015 χ^2/NDF: 1927625.0/20

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -102.716+/-85.042 χ^2/NDF:3.8/3

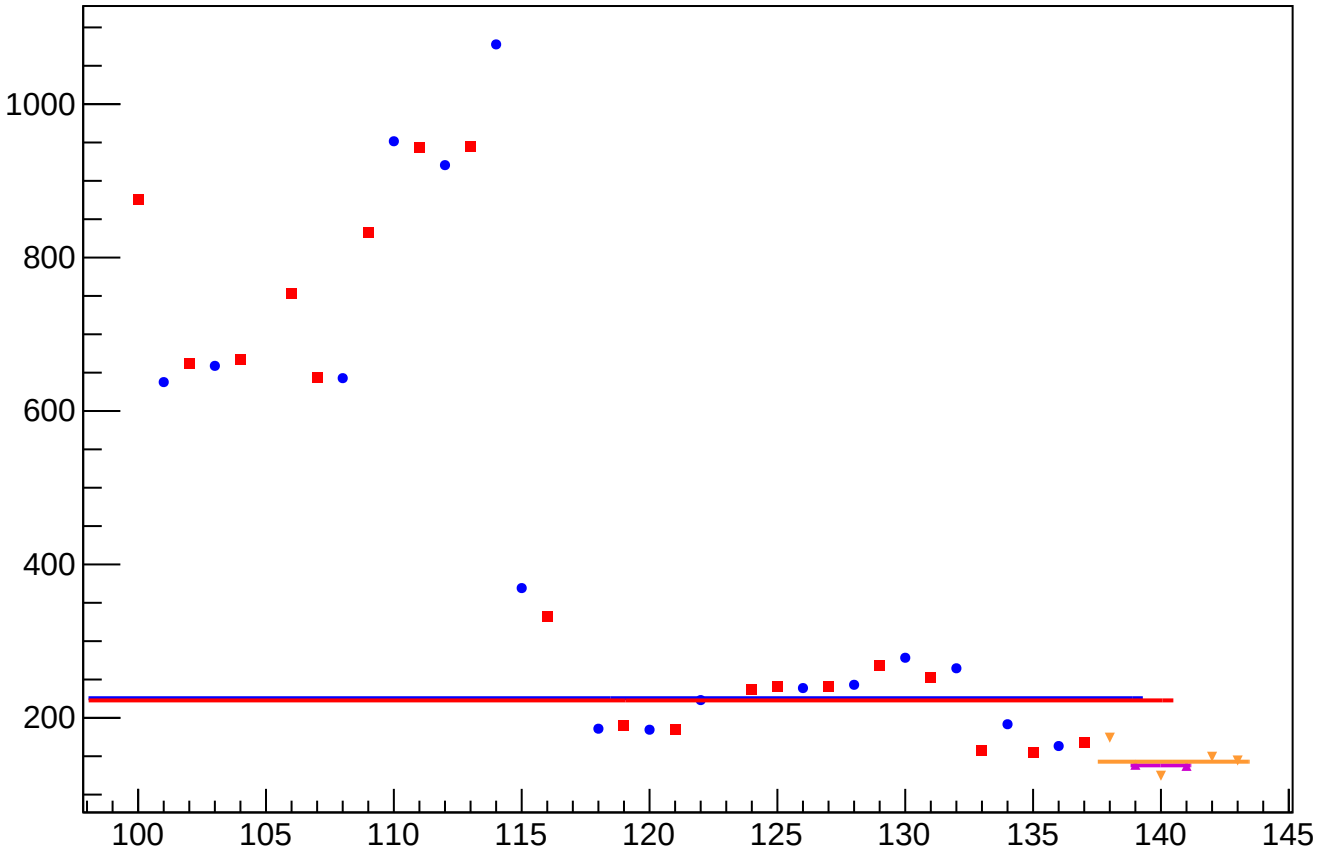
Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: -111.011+/-106.229 χ^2/NDF:0.8/1

+ sign -23.503+/-63.211 χ^2/NDF: 16.9/19

All: -65.662+/-47.116 χ^2/NDF: 35.1/40

- sign -118.363+/-70.675 χ^2/NDF: 17.2/20



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 142.903+/-0.060 χ^2/NDF:87989.6/3

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

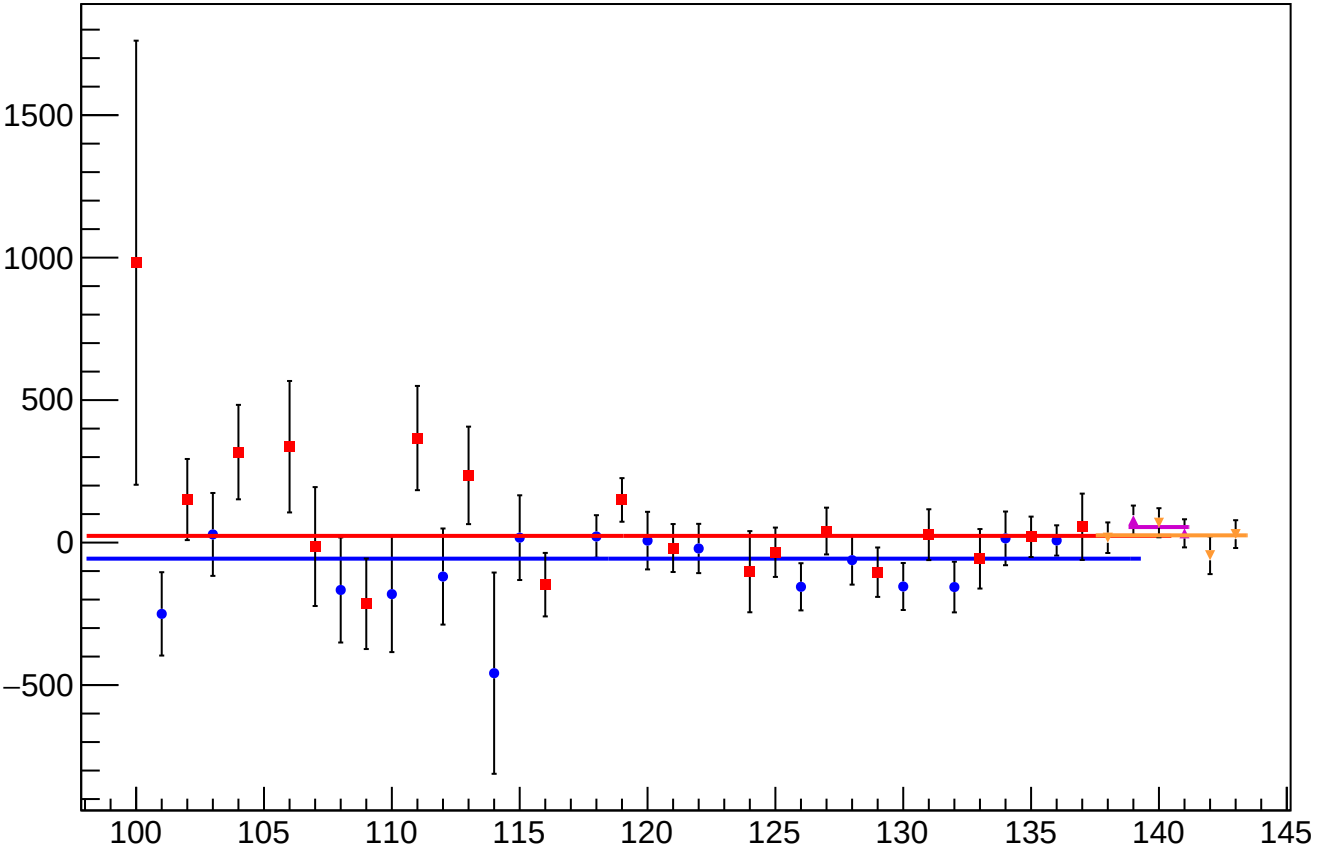
Left In: 138.143+/-0.075 χ^2/NDF:91.0/1

+ sign 179.917+/-0.045 χ^2/NDF: 3960620.4/19

All: 182.318+/-0.033 χ^2/NDF: 8523099.2/40

- sign 185.320+/-0.050 χ^2/NDF: 4555983.4/20

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.377+/-26.932 χ^2/NDF:1.9/3

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

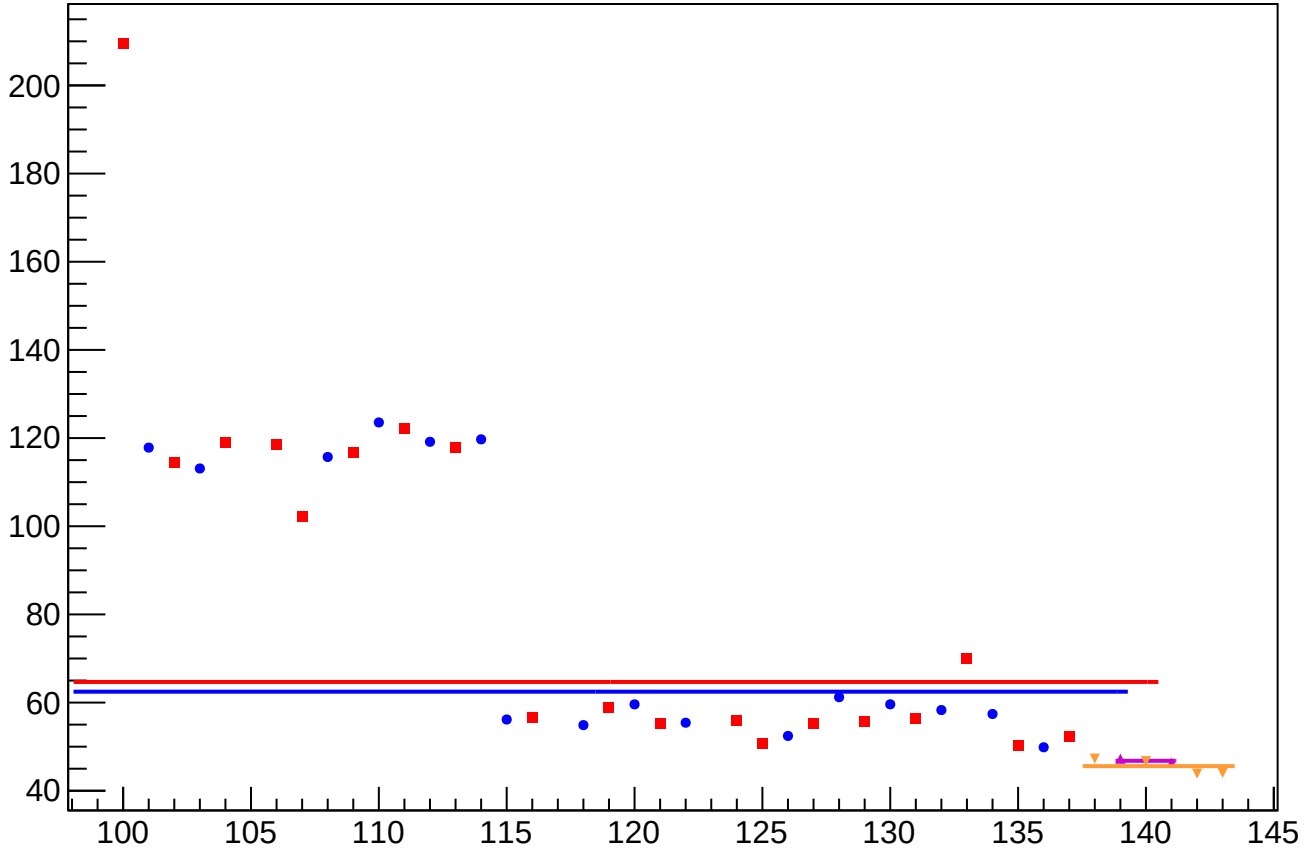
Left In: 54.532+/-35.595 χ^2/NDF:0.4/1

+ sign -19.397+/-18.119 χ^2/NDF: 19.2/19

All: 3.891+/-13.589 χ^2/NDF: 48.0/40

- sign 33.838+/-20.546 χ^2/NDF: 25.0/20

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.581+/-0.019 χ^2/NDF:6305.6/3

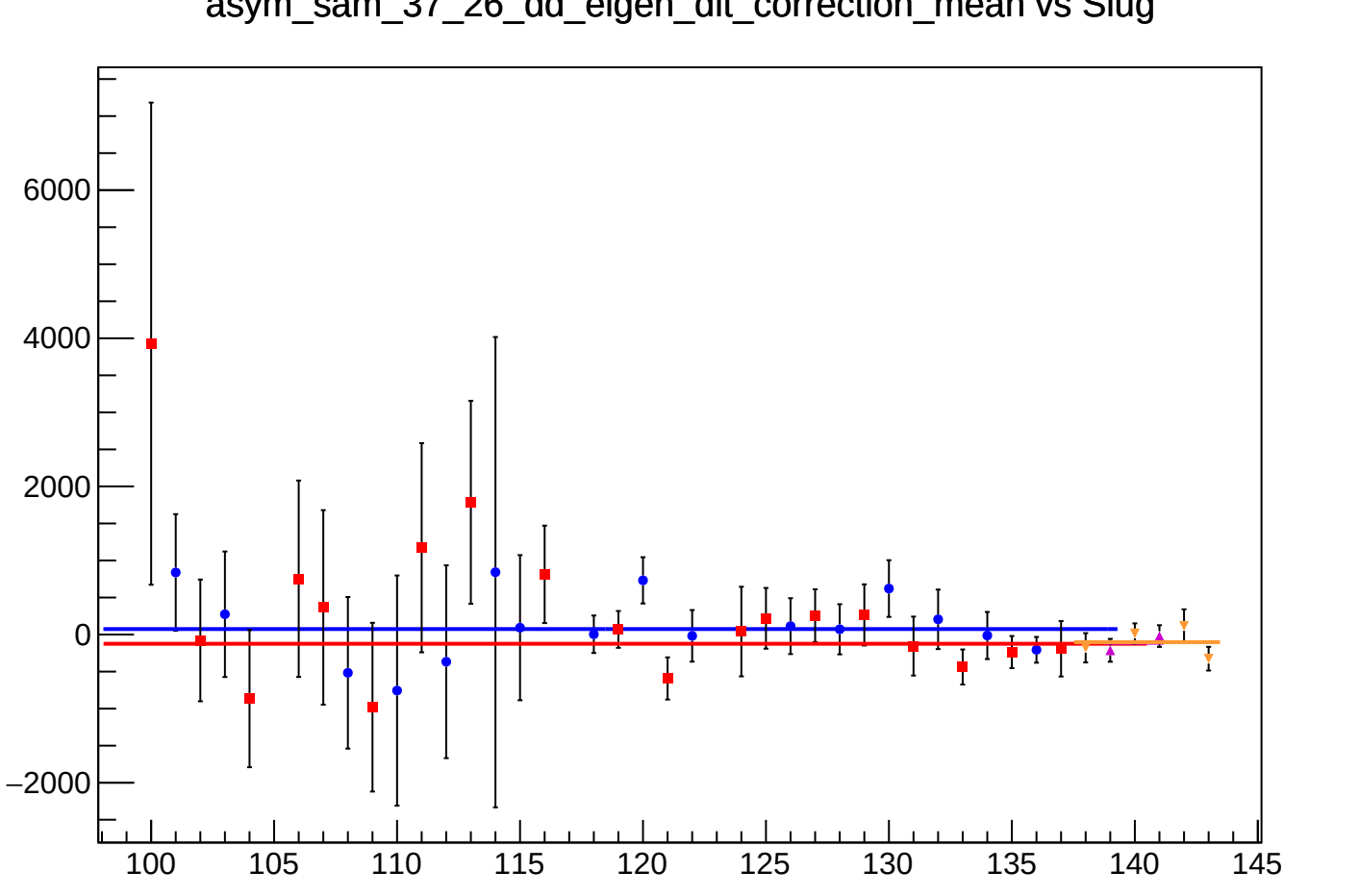
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.791+/-0.025 χ^2/NDF:327.9/1

+ sign 54.828+/-0.013 χ^2/NDF: 1785235.3/19

All: 56.531+/-0.010 χ^2/NDF: 3753193.7/40

- sign 58.720+/-0.015 χ^2/NDF: 1927592.0/20



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -102.715+/-85.042 χ^2/NDF:3.8/3

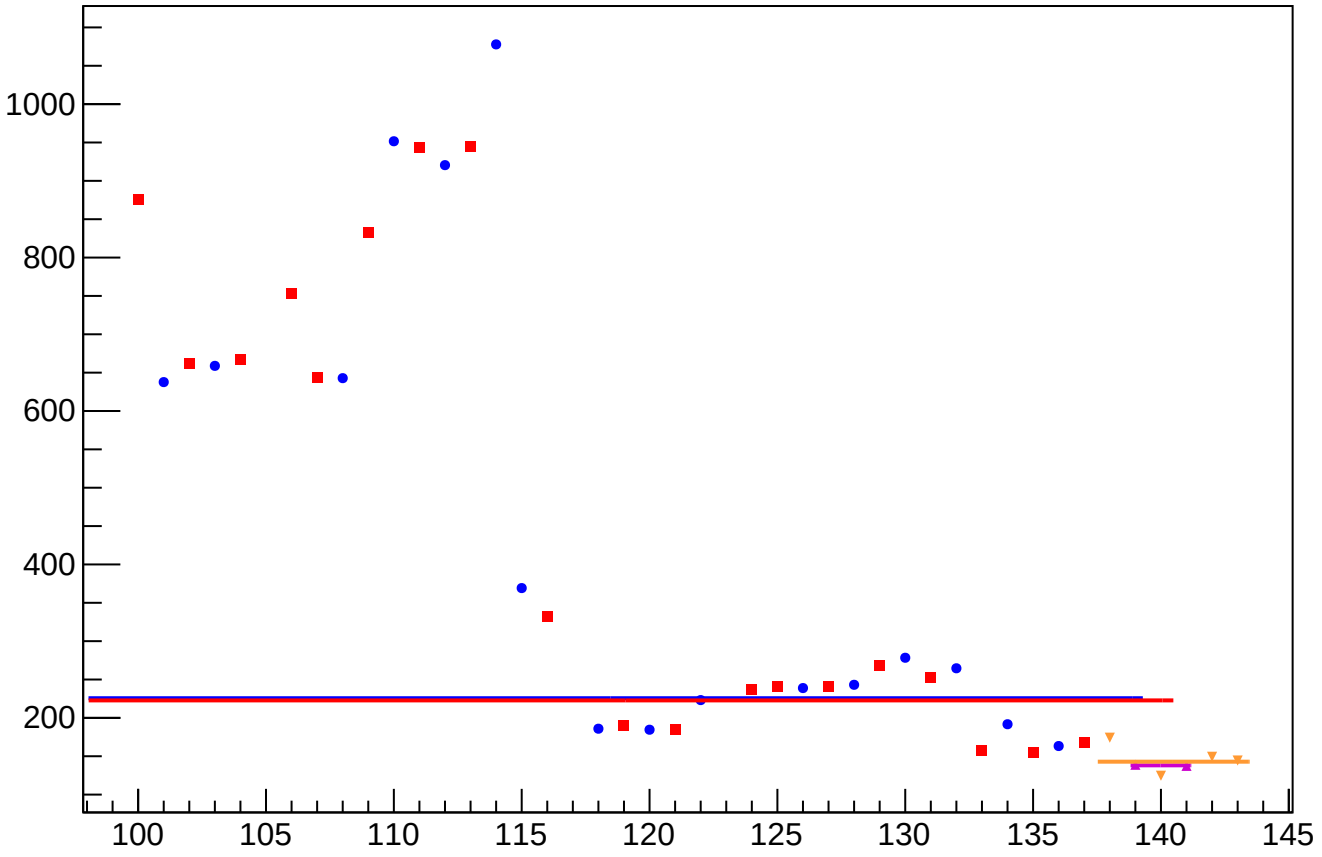
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -111.012+/-106.229 χ^2/NDF:0.8/1

+ sign -23.502+/-63.212 χ^2/NDF: 16.9/19

All: -65.661+/-47.116 χ^2/NDF: 35.1/40

- sign -118.362+/-70.675 χ^2/NDF: 17.2/20



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 142.904+/-0.060 χ^2/NDF:87989.4/3

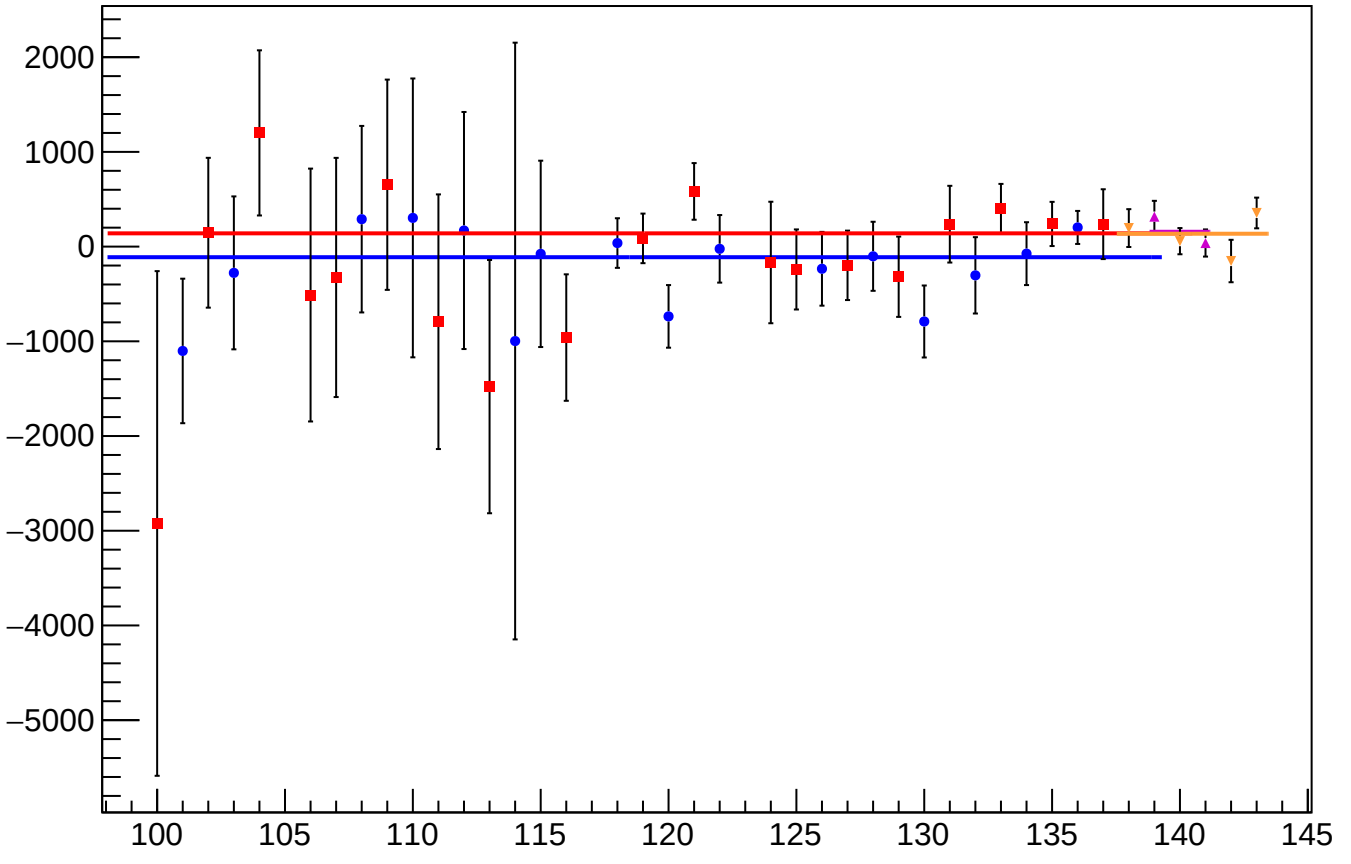
Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 138.144+/-0.075 χ^2/NDF:91.0/1

+ sign 179.918+/-0.045 χ^2/NDF: 3960583.9/19

All: 182.319+/-0.033 χ^2/NDF: 8523031.2/40

- sign 185.321+/-0.050 χ^2/NDF: 4555951.8/20



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 135.855+/-85.984 χ^2/NDF:3.9/3

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

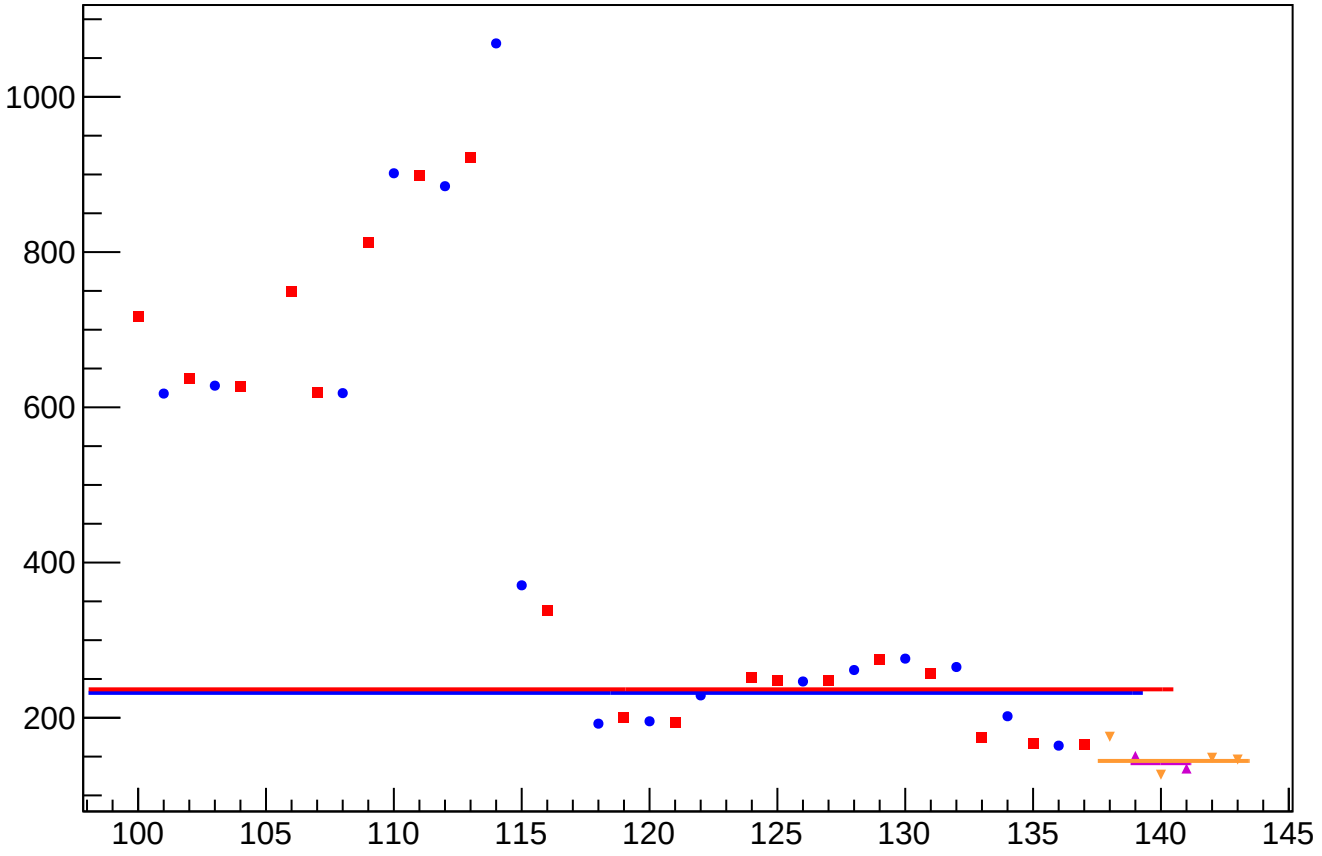
Left In: 156.492+/-108.676 χ^2/NDF:1.6/1

+ sign 26.265+/-64.212 χ^2/NDF: 20.4/19

All: 78.932+/-48.287 χ^2/NDF: 38.2/40

- sign 147.479+/-73.256 χ^2/NDF: 16.3/20

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 144.419+/-0.061 χ^2/NDF:82499.5/3

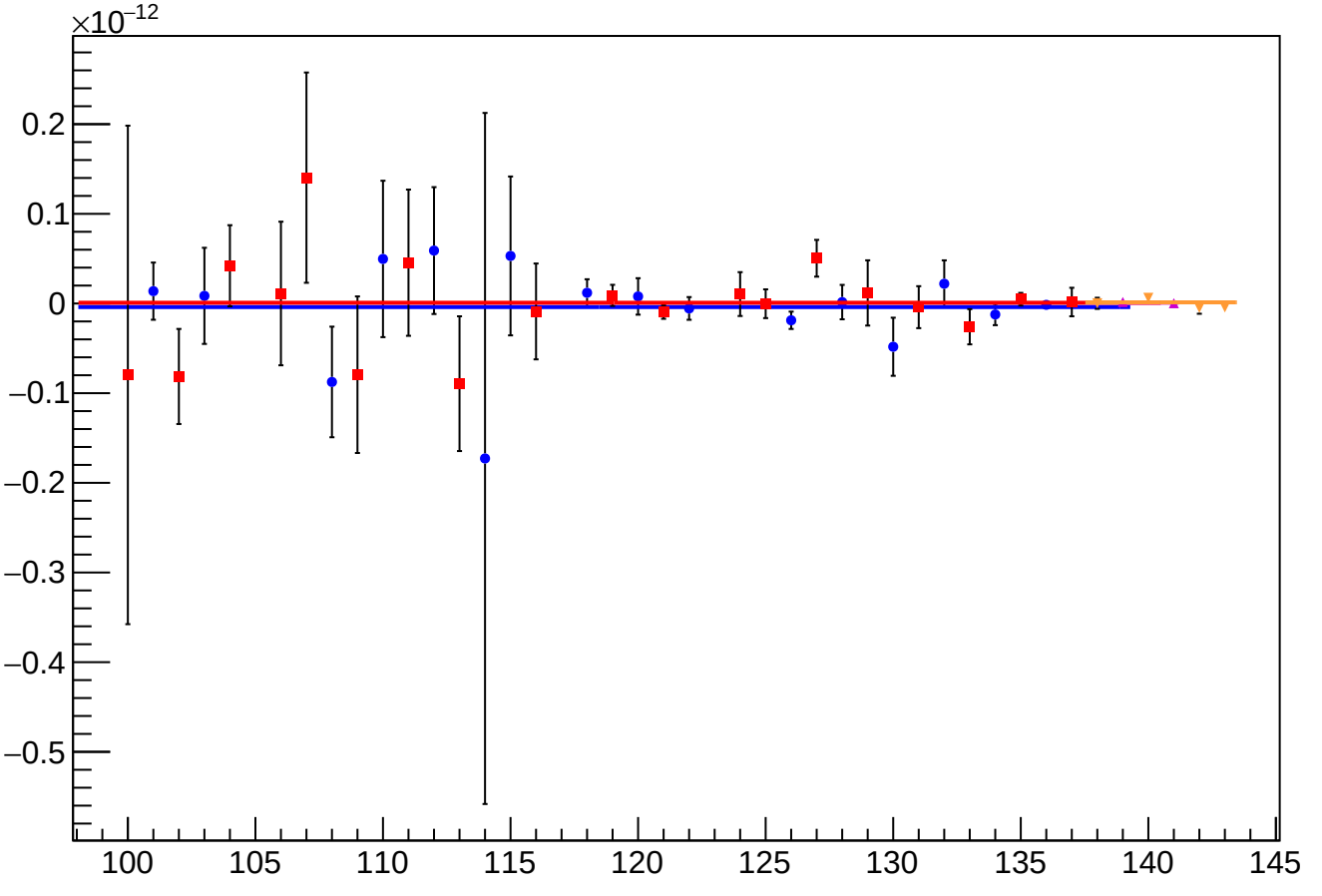
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 141.529+/-0.077 χ^2/NDF:10820.3/1

+ sign 183.204+/-0.045 χ^2/NDF: 3888020.8/19

All: 187.646+/-0.034 χ^2/NDF: 8277850.5/40

- sign 193.427+/-0.052 χ^2/NDF: 4367801.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/3

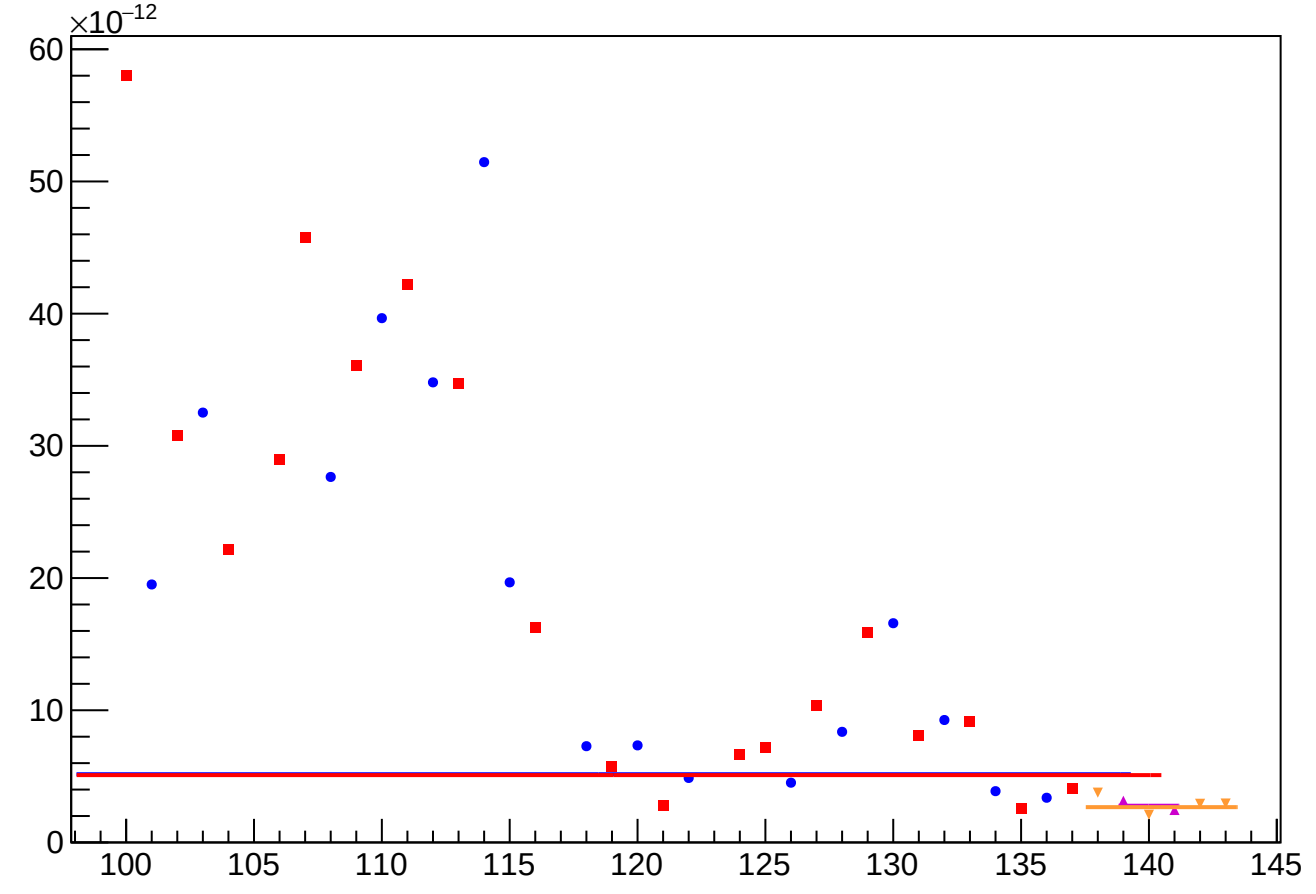
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 17.0/19

All: 0.000+/-0.000 χ^2/NDF: 35.3/40

- sign 0.000+/-0.000 χ^2/NDF: 18.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:122863.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

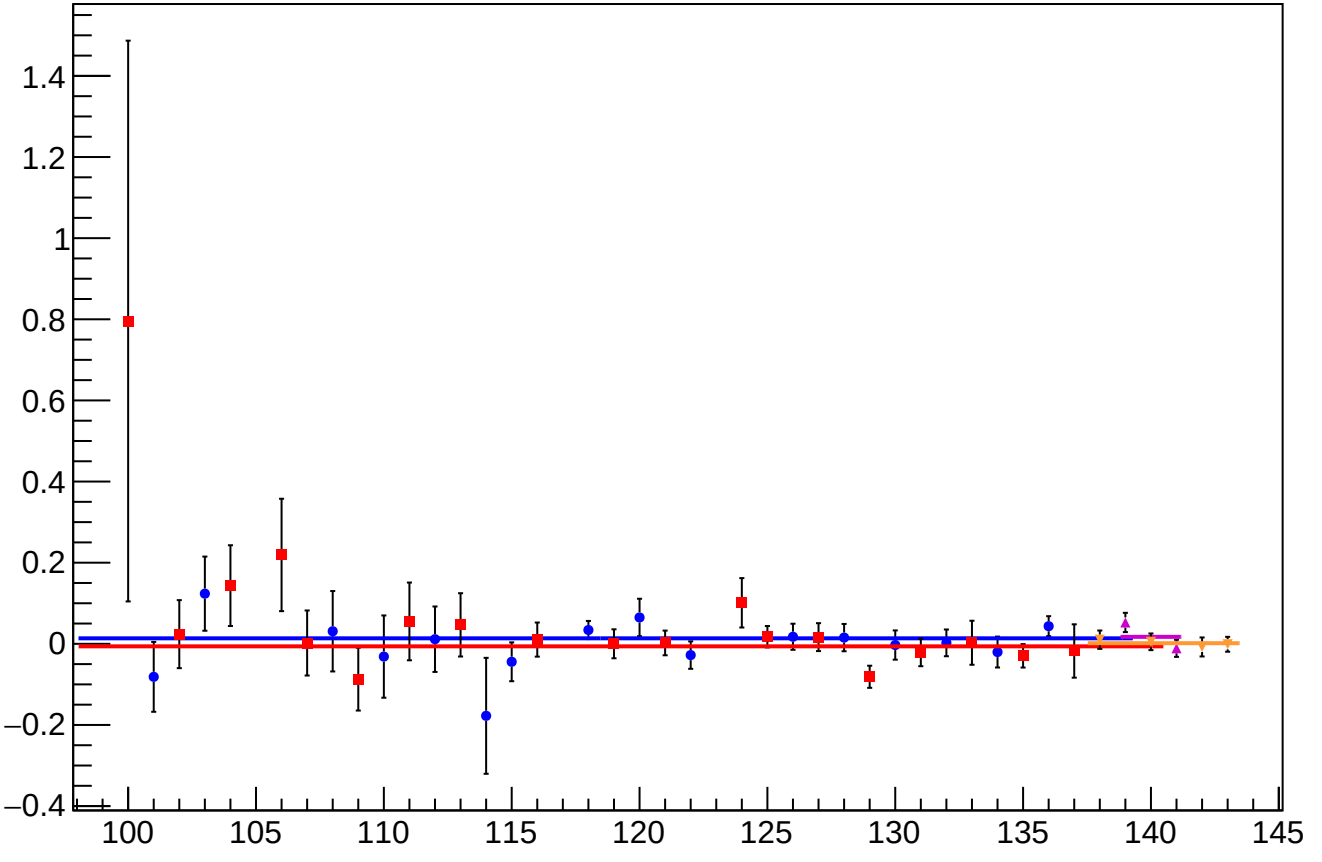
Left In: 0.000+/-0.000 χ^2/NDF:20683.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 3378976.7/19

All: 0.000+/-0.000 χ^2/NDF: 7048483.5/40

- sign 0.000+/-0.000 χ^2/NDF: 3649173.3/20

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

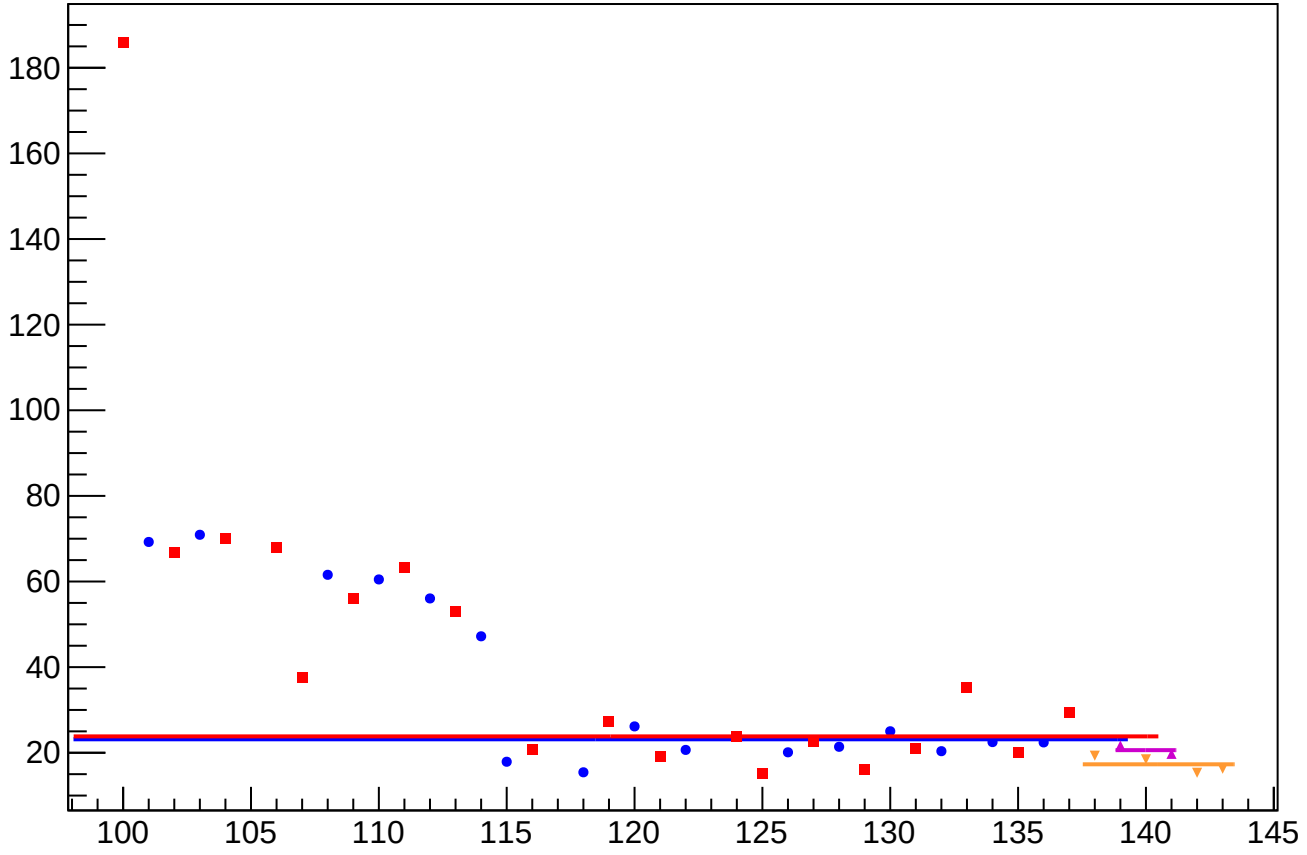
Left In: 0.017+/-0.016 χ^2/NDF:4.0/1

+ sign 0.008+/-0.007 χ^2/NDF: 13.4/19

All: 0.005+/-0.005 χ^2/NDF: 40.8/40

- sign 0.001+/-0.008 χ^2/NDF: 27.0/20

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: 17.303+/-0.007 χ^2/NDF:42973.0/3

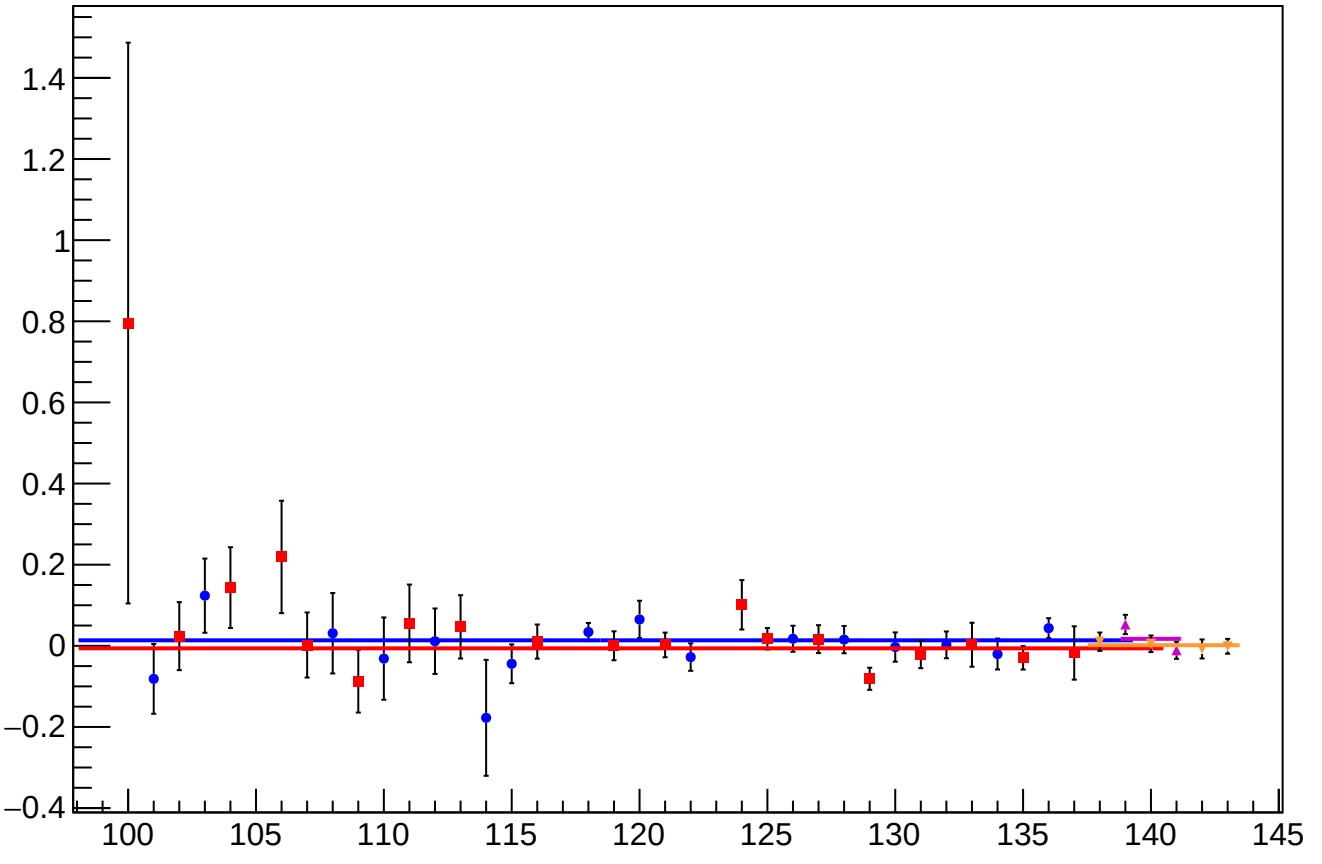
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 20.611+/-0.011 χ^2/NDF:7517.0/1

\+ sign 20.403+/-0.005 χ^2/NDF: 2779770.3/19

All: 21.442+/-0.004 χ^2/NDF: 5845664.7/40

\- sign 22.898+/-0.006 χ^2/NDF: 2965157.0/20



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

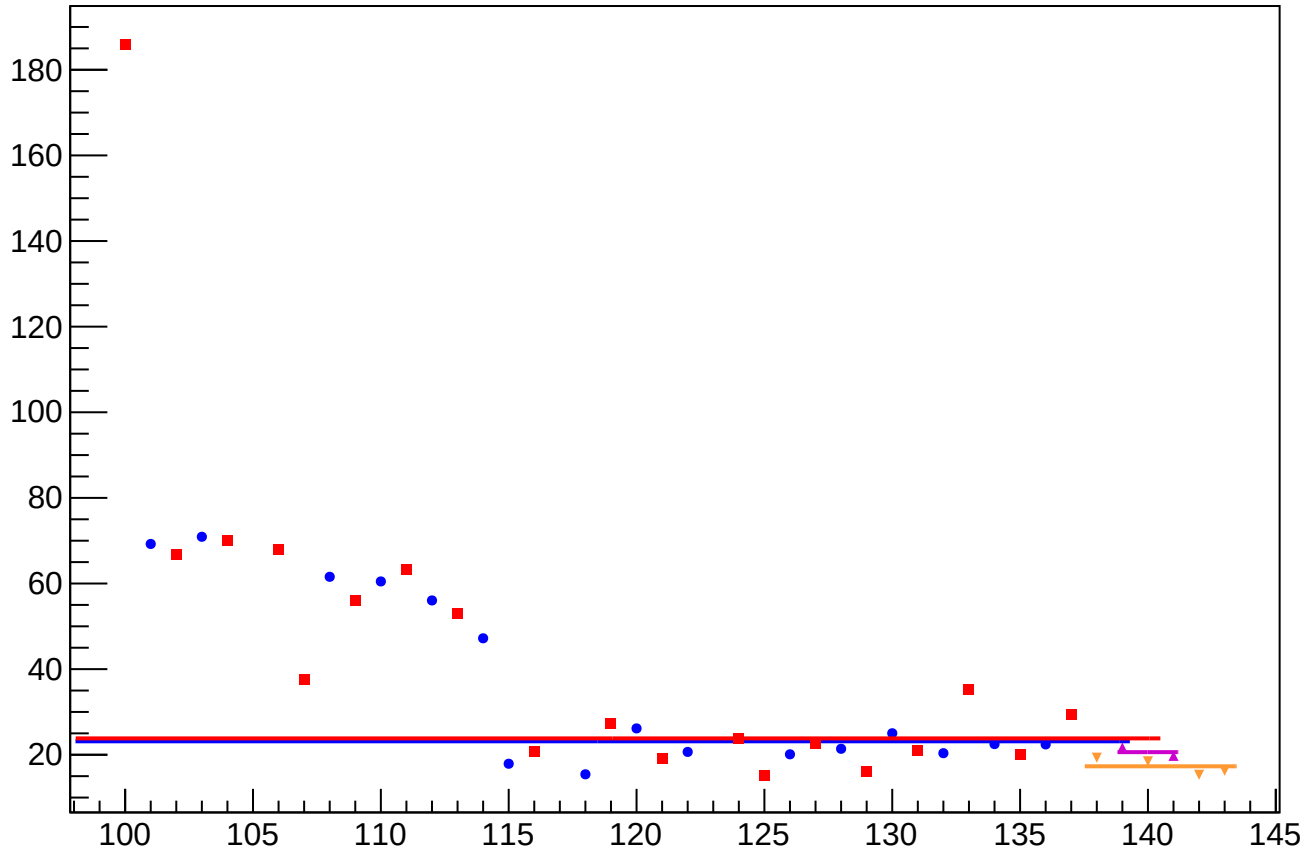
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.017+/-0.016 χ^2/NDF:4.0/1

+ sign 0.008+/-0.007 χ^2/NDF: 13.4/19

All: 0.005+/-0.005 χ^2/NDF: 40.8/40

- sign 0.001+/-0.008 χ^2/NDF: 27.0/20



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 17.303+/-0.007 χ^2/NDF:42973.0/3

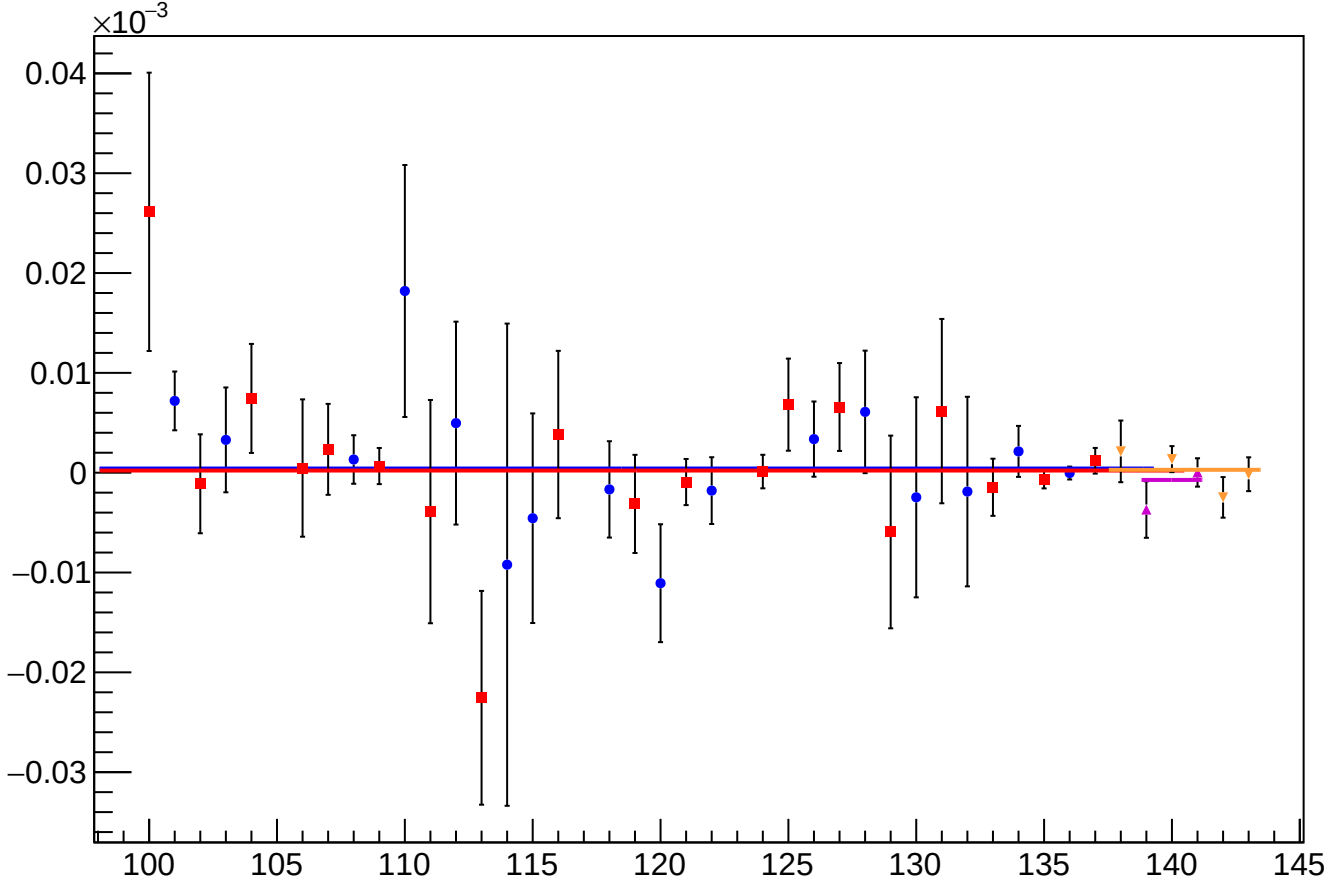
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 20.611+/-0.011 χ^2/NDF:7517.0/1

+ sign 20.403+/-0.005 χ^2/NDF: 2779770.3/19

All: 21.442+/-0.004 χ^2/NDF: 5845664.7/40

- sign 22.898+/-0.006 χ^2/NDF: 2965157.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/3

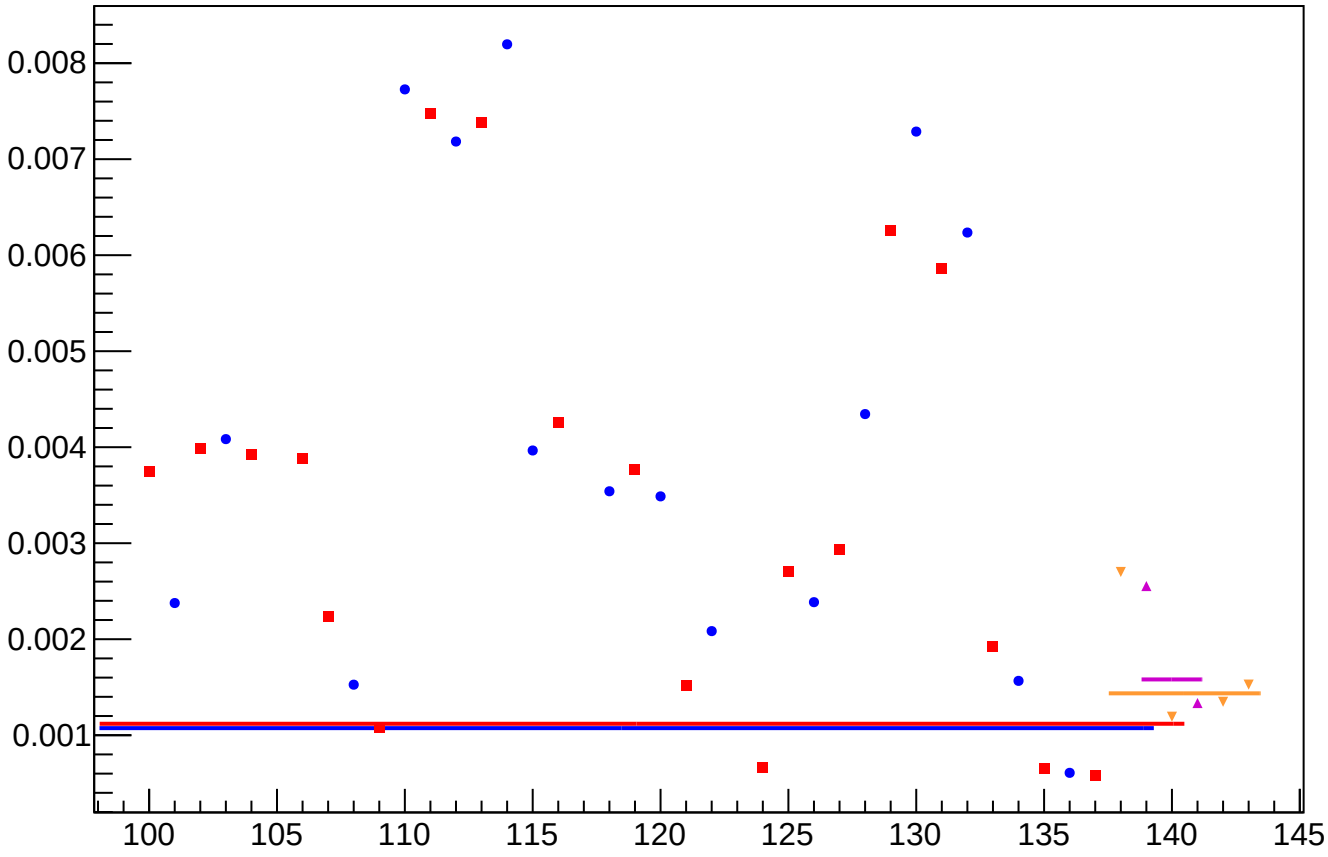
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/19

All: 0.000+/-0.000 χ^2/NDF: 38.1/40

- sign 0.000+/-0.000 χ^2/NDF: 19.7/20



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:414262.2/3

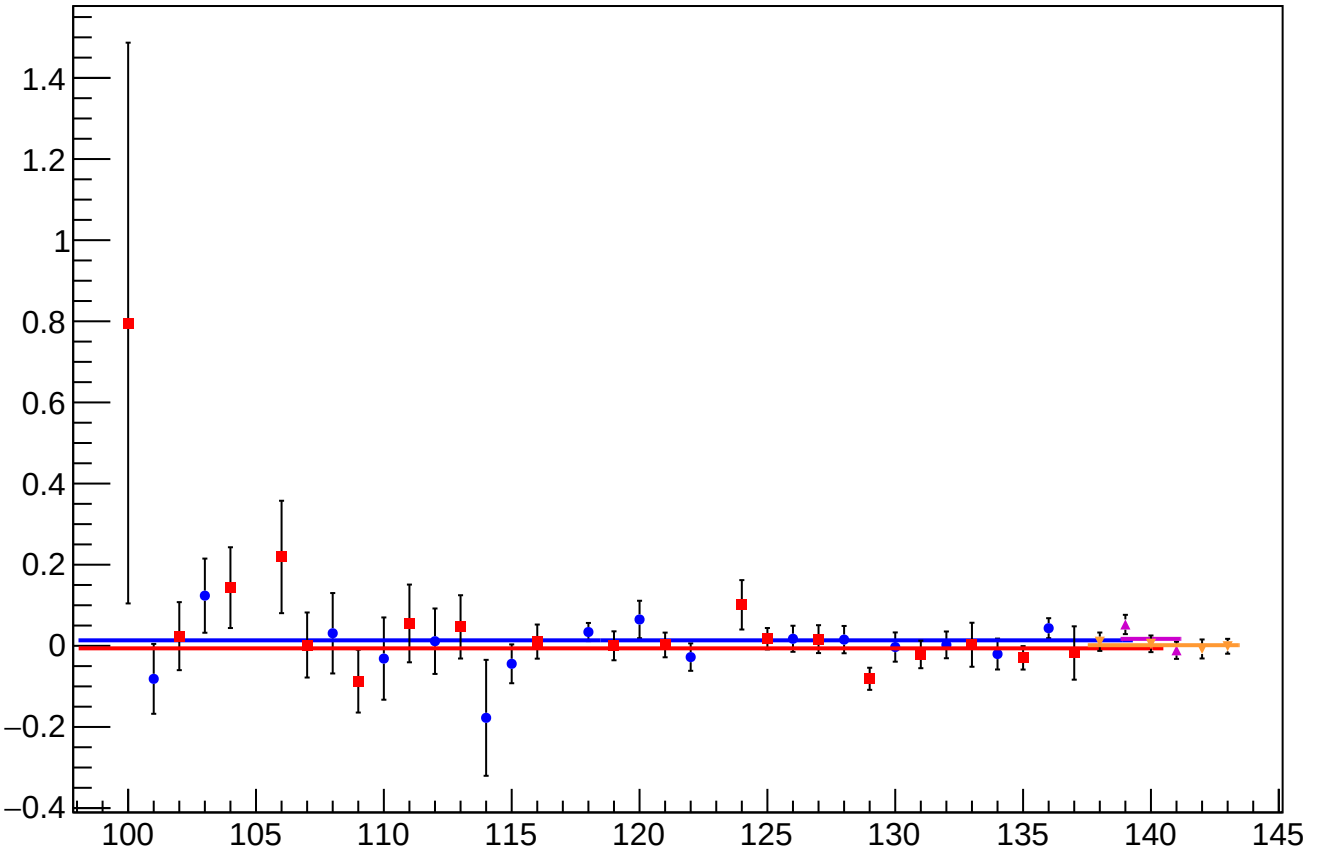
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.002+/-0.000 χ^2/NDF:296280.1/1

+ sign 0.001+/-0.000 χ^2/NDF: 7699438.1/19

All: 0.001+/-0.000 χ^2/NDF: 15013519.3/40

- sign 0.001+/-0.000 χ^2/NDF: 7312725.8/20



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

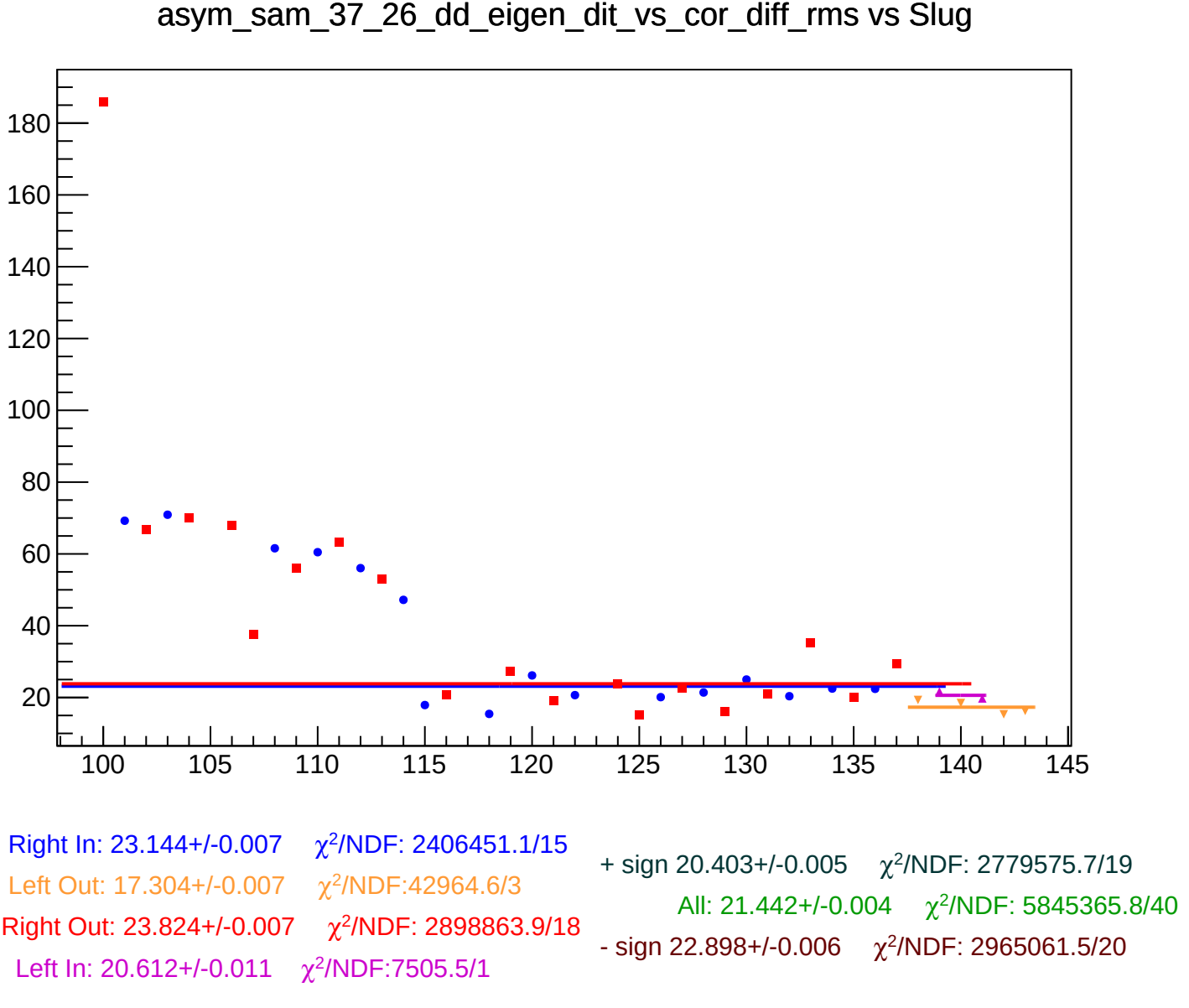
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.017+/-0.016 χ^2/NDF:4.0/1

+ sign 0.008+/-0.007 χ^2/NDF: 13.4/19

All: 0.005+/-0.005 χ^2/NDF: 40.8/40

- sign 0.001+/-0.008 χ^2/NDF: 27.0/20


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug
180
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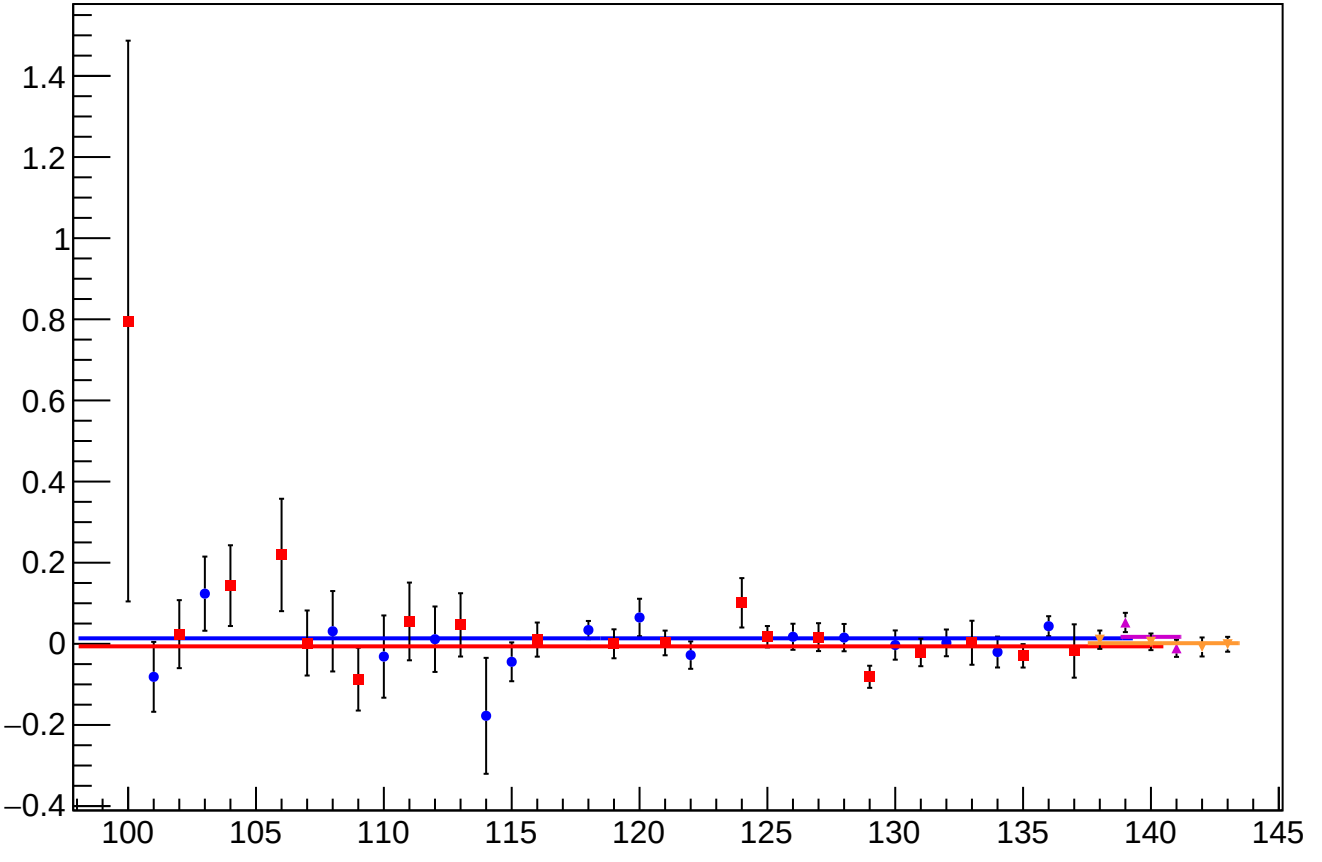
Right In: 23.144+/-0.007 χ²/NDF: 2406451.1/15
Left Out: 17.304+/-0.007 χ²/NDF:42964.6/3
Right Out: 23.824+/-0.007 χ²/NDF: 2898863.9/18
Left In: 20.612+/-0.011 χ²/NDF:7505.5/1
+ sign 20.403+/-0.005 χ²/NDF: 2779575.7/19
All: 21.442+/-0.004 χ²/NDF: 5845365.8/40
- sign 22.898+/-0.006 χ²/NDF: 2965061.5/20

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: 0.002+/-0.010 χ^2/NDF:0.3/3

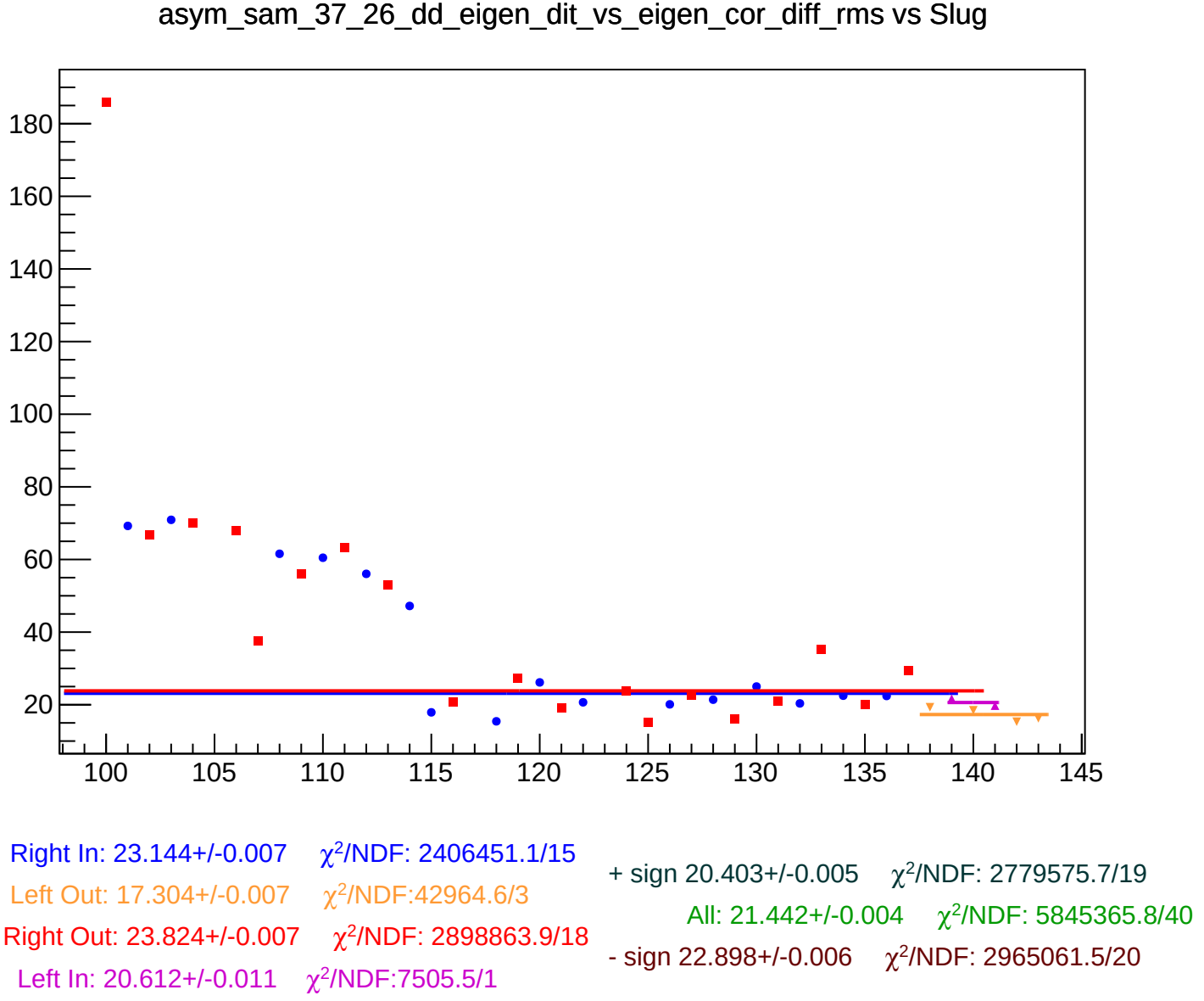
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.017+/-0.016 χ^2/NDF:4.0/1

+ sign 0.008+/-0.007 χ^2/NDF: 13.4/19

All: 0.005+/-0.005 χ^2/NDF: 40.8/40

- sign 0.001+/-0.008 χ^2/NDF: 27.0/20


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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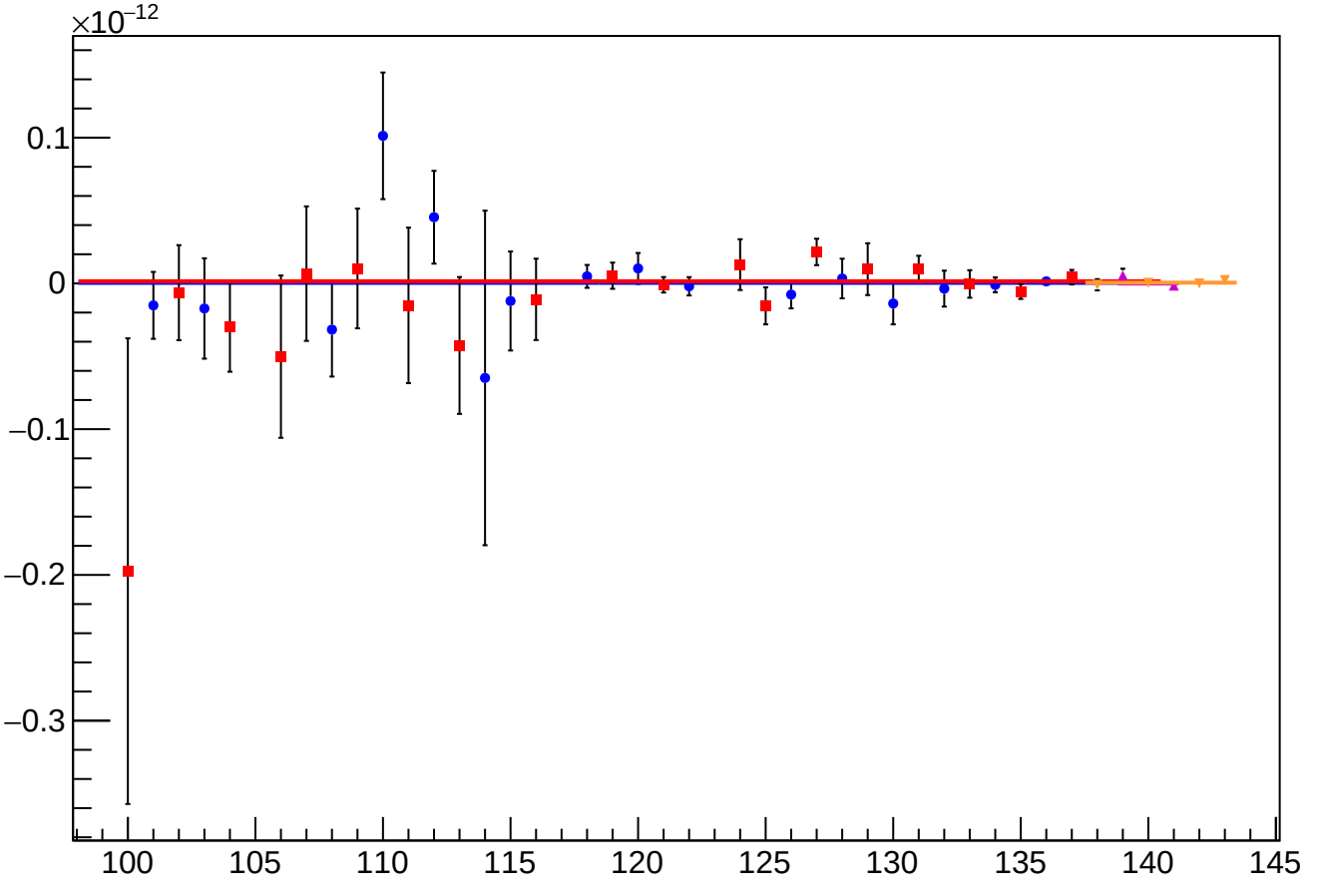
Right In: 23.144+/-0.007 χ²/NDF: 2406451.1/15
Left Out: 17.304+/-0.007 χ²/NDF:42964.6/3
Right Out: 23.824+/-0.007 χ²/NDF: 2898863.9/18
Left In: 20.612+/-0.011 χ²/NDF:7505.5/1
+ sign 20.403+/-0.005 χ²/NDF: 2779575.7/19
All: 21.442+/-0.004 χ²/NDF: 5845365.8/40
- sign 22.898+/-0.006 χ²/NDF: 2965061.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

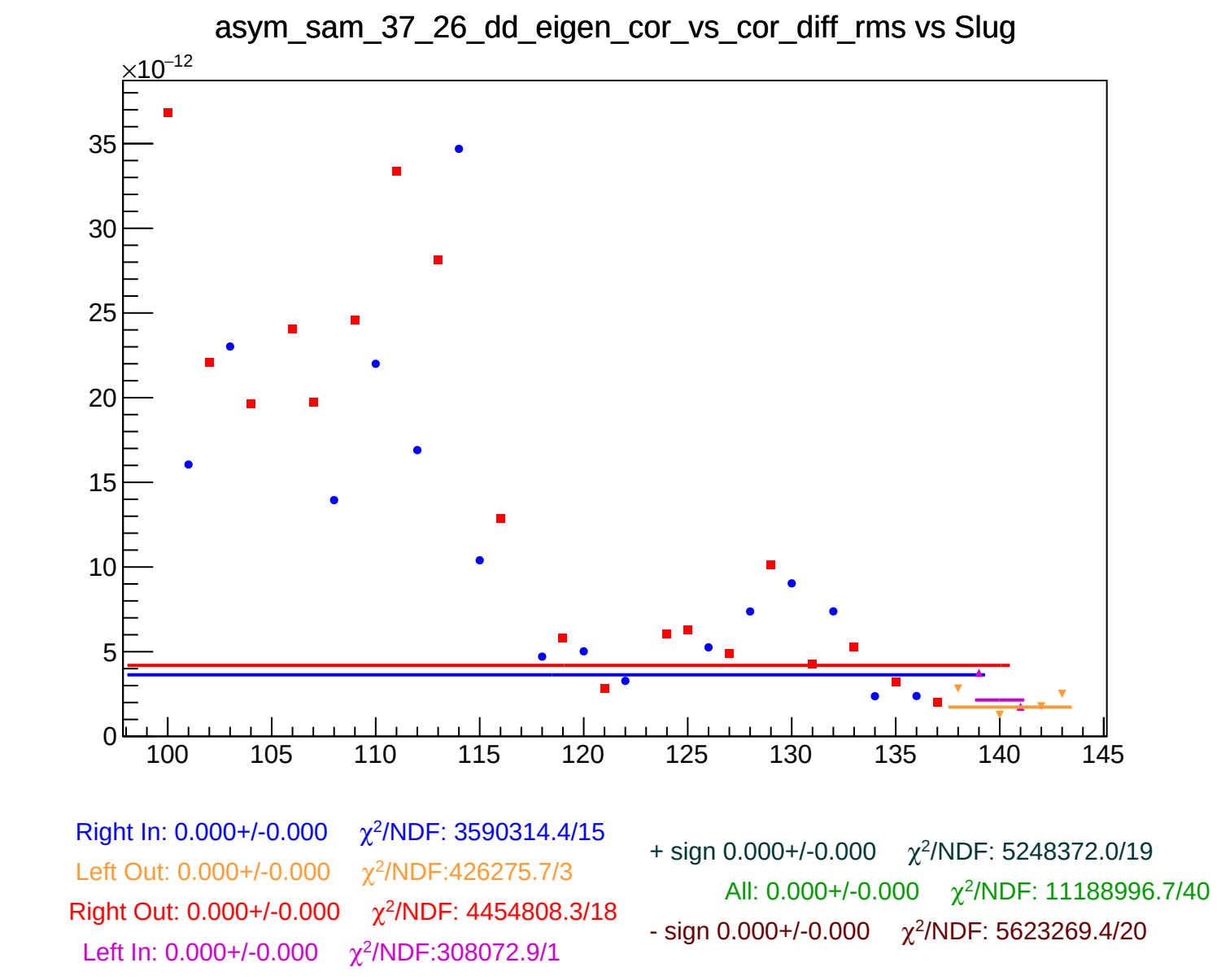
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 13.4/19

All: 0.000+/-0.000 χ^2/NDF: 31.2/40

- sign 0.000+/-0.000 χ^2/NDF: 17.7/20


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
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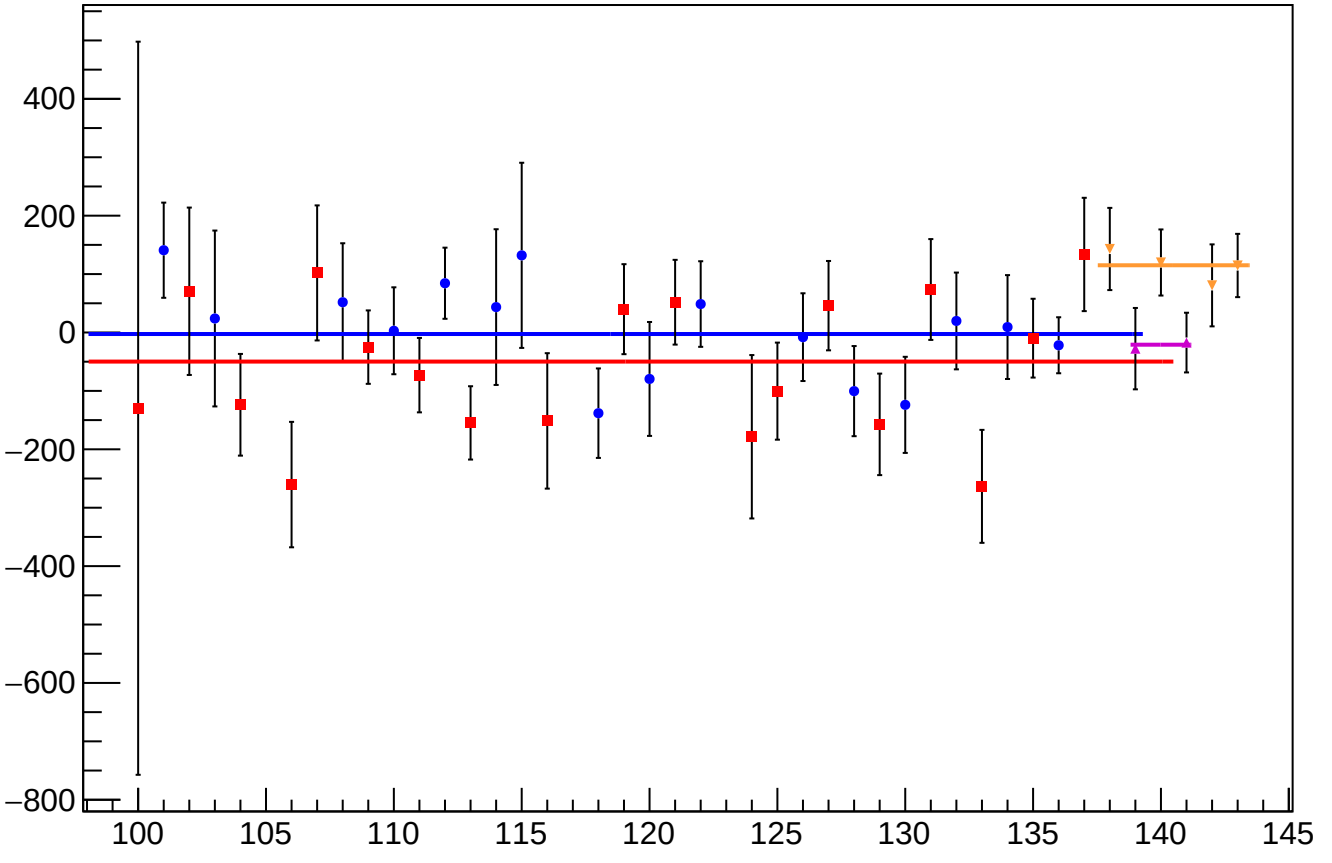
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:426275.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:308072.9/1
+ sign 0.000+/-0.000 χ²/NDF: 5248372.0/19
All: 0.000+/-0.000 χ²/NDF: 11188996.7/40
- sign 0.000+/-0.000 χ²/NDF: 5623269.4/20

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 115.084+/-30.744 χ^2/NDF:0.4/3

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

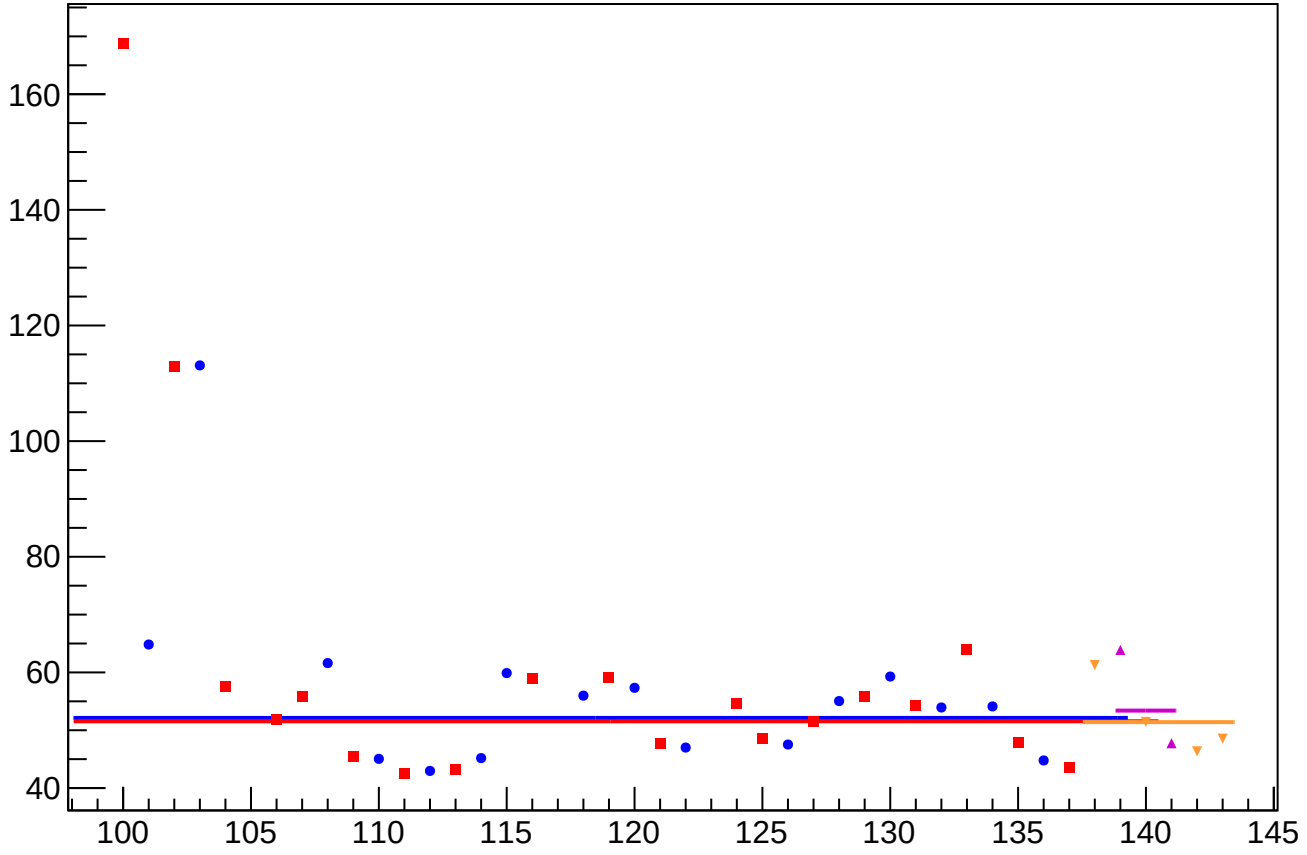
Left In: -20.909+/-41.210 χ^2/NDF:0.0/1

+ sign 32.369+/-16.762 χ^2/NDF: 25.3/19

All: -3.925+/-12.176 χ^2/NDF: 65.0/40

- sign -44.469+/-17.716 χ^2/NDF: 29.8/20

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

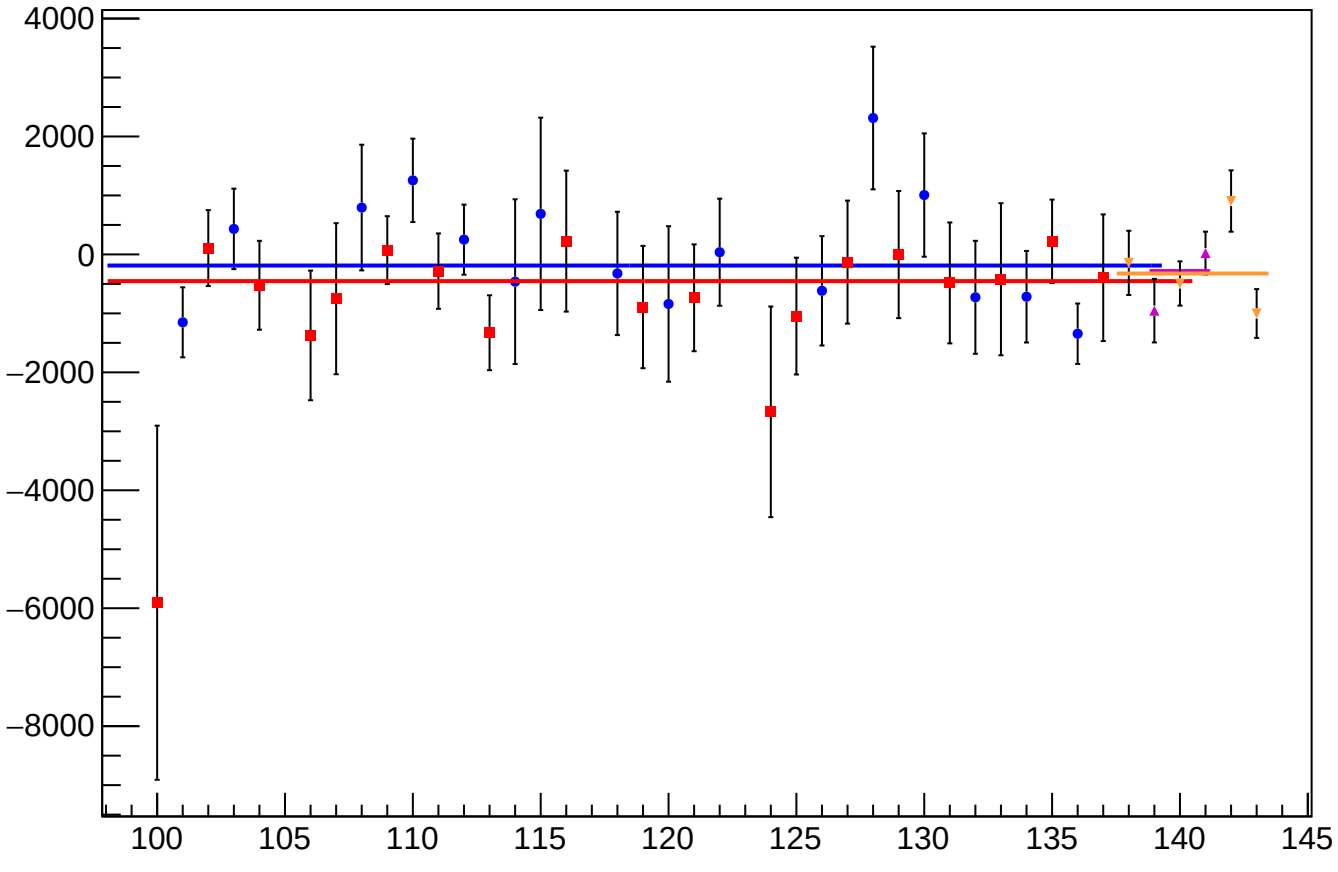
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 53.398+/-0.029 χ^2/NDF:69694.7/1

+ sign 51.913+/-0.012 χ^2/NDF: 619021.6/19

All: 51.903+/-0.009 χ^2/NDF: 1331560.9/40

- sign 51.891+/-0.013 χ^2/NDF: 712537.7/20



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -324.143+/-223.580 χ^2/NDF:8.6/3

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

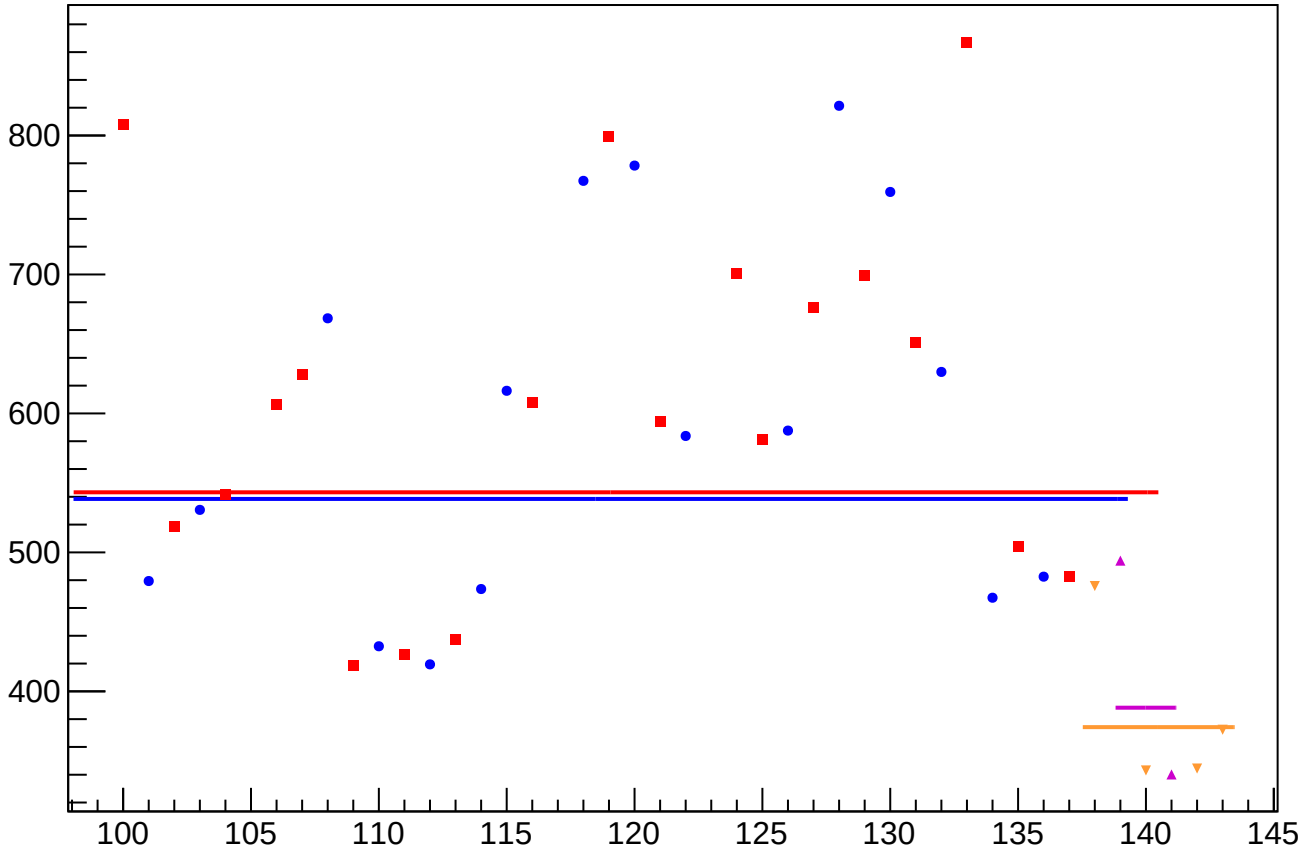
Left In: -281.980+/-301.171 χ^2/NDF:2.3/1

+ sign -250.752+/-151.423 χ^2/NDF: 30.1/19

All: -316.799+/-112.733 χ^2/NDF: 44.3/40

- sign -398.927+/-168.854 χ^2/NDF: 13.8/20

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 374.248+/-0.158 χ^2/NDF:89897.2/3

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

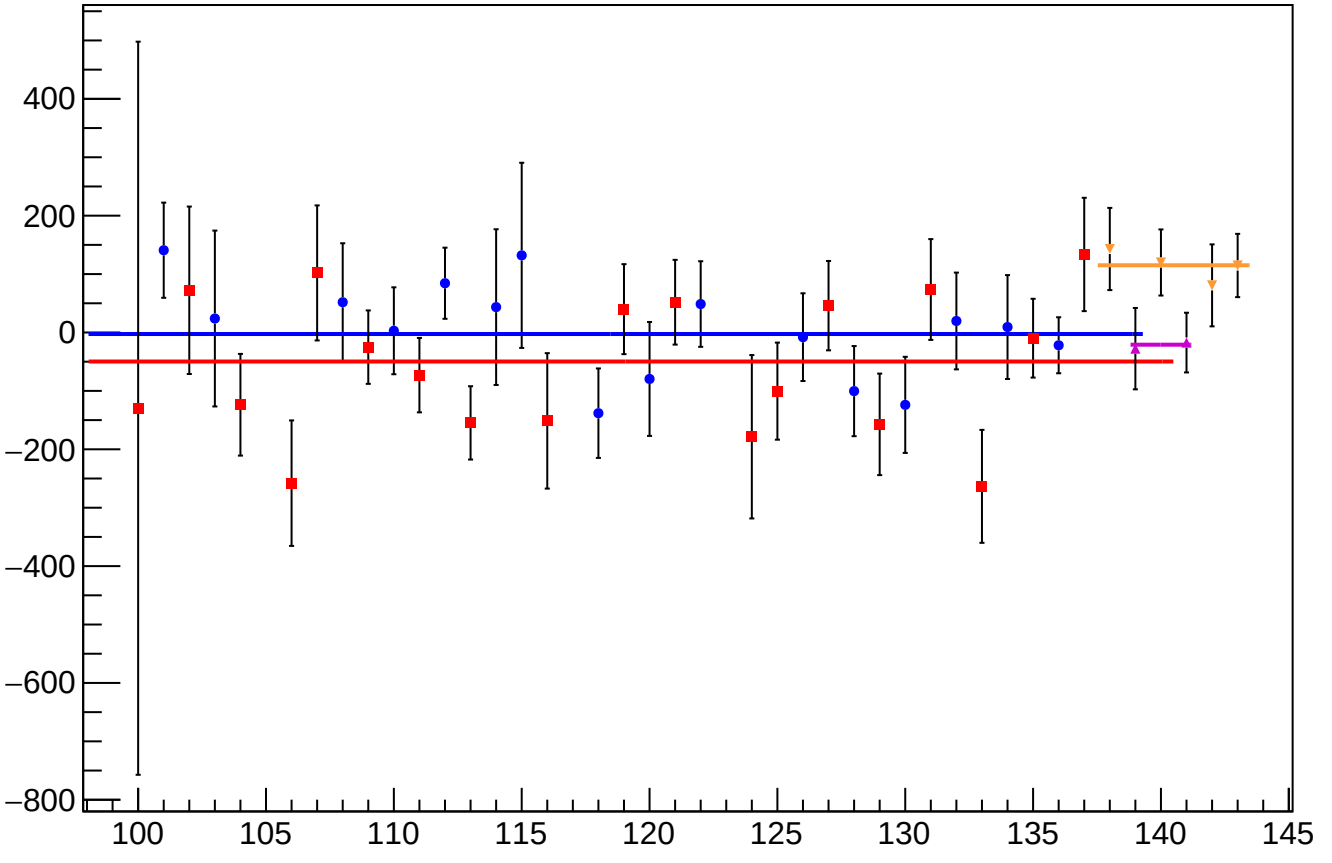
Left In: 388.241+/-0.213 χ^2/NDF:112093.2/1

+ sign 463.142+/-0.107 χ^2/NDF: 1287957.3/19

All: 477.128+/-0.080 χ^2/NDF: 2438676.1/40

- sign 494.519+/-0.119 χ^2/NDF: 1112440.1/20

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 115.088+/-30.744 χ^2/NDF:0.4/3

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

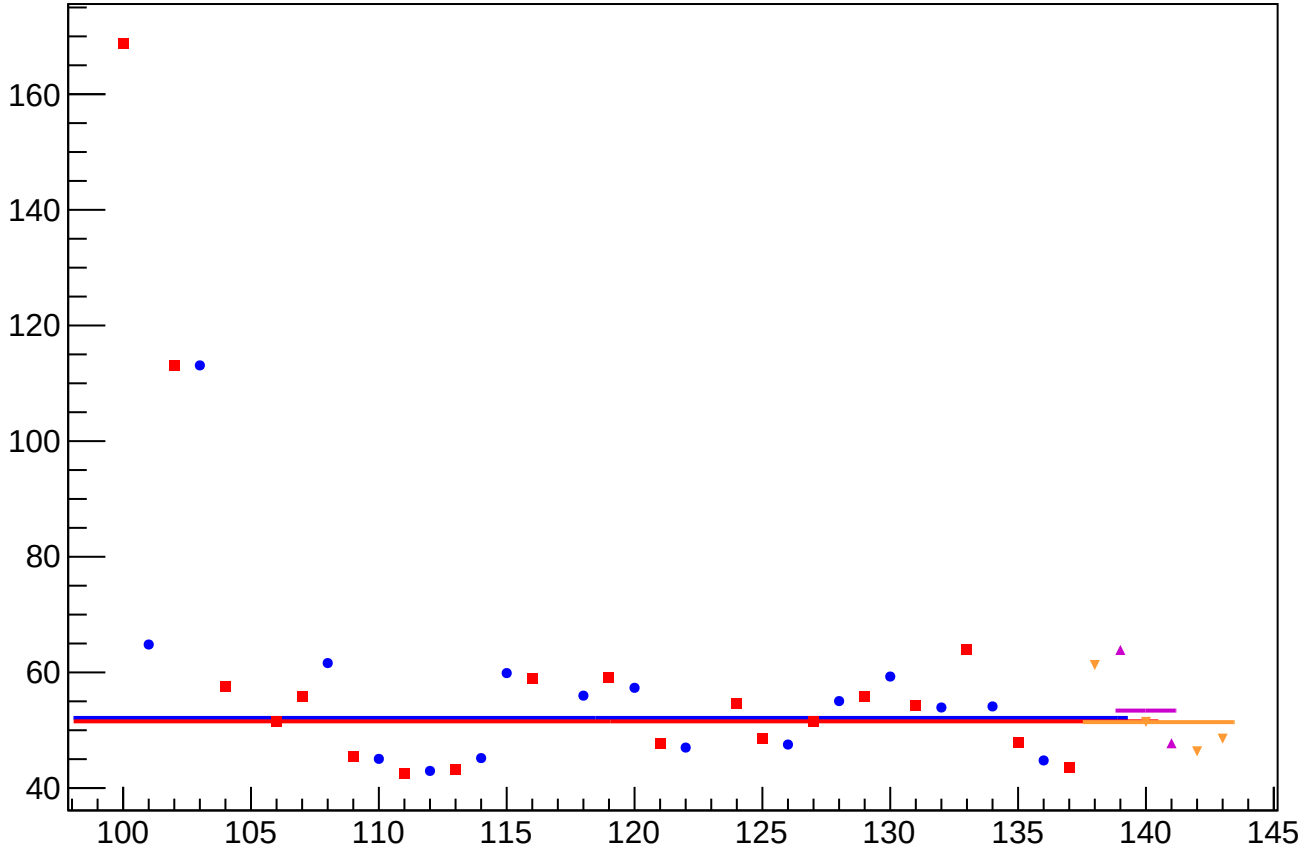
Left In: -20.914+/-41.210 χ^2/NDF:0.0/1

+ sign 32.368+/-16.762 χ^2/NDF: 25.3/19

All: -3.881+/-12.176 χ^2/NDF: 64.9/40

- sign -44.375+/-17.716 χ^2/NDF: 29.7/20

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

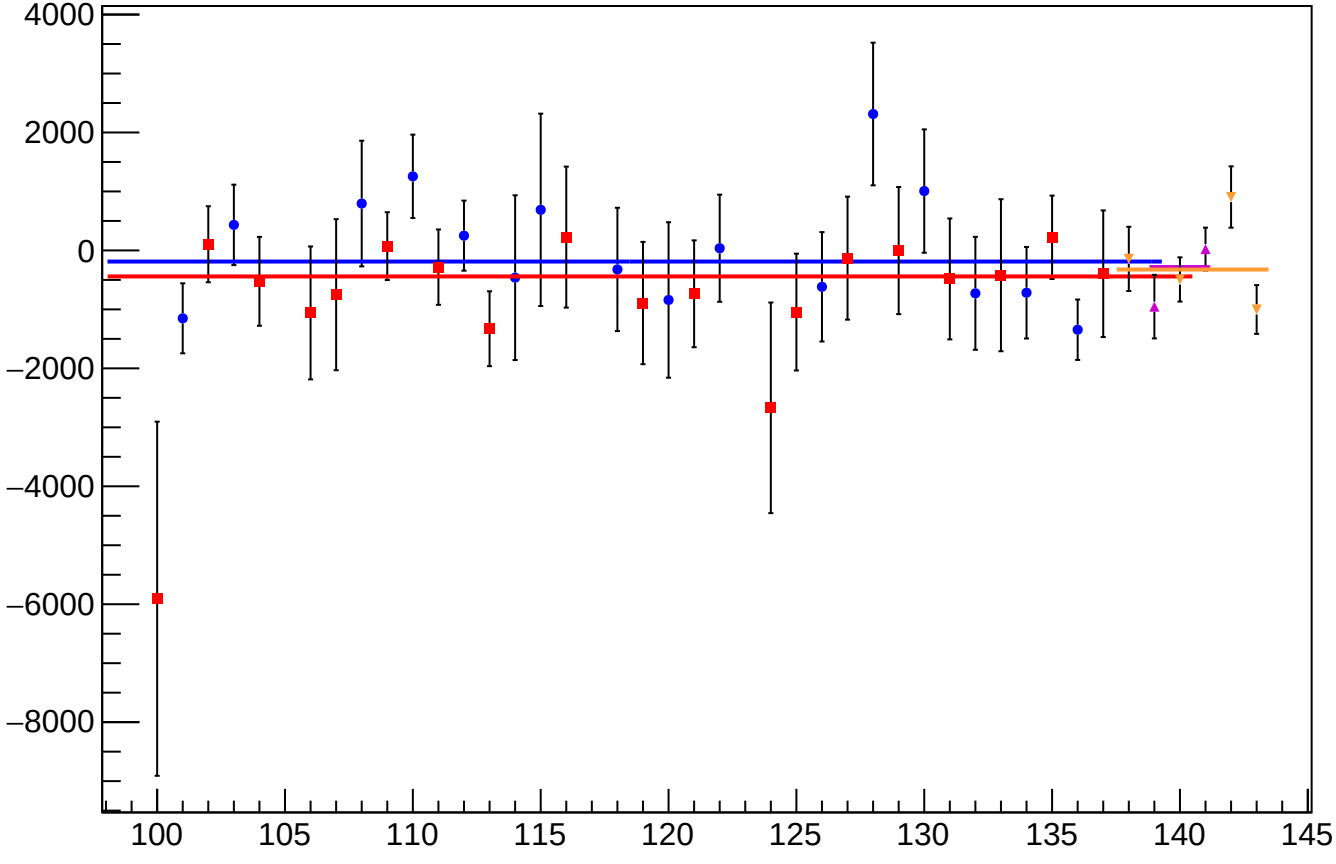
Left In: 53.398+/-0.029 χ^2/NDF:69694.7/1

+ sign 51.913+/-0.012 χ^2/NDF: 619023.9/19

All: 51.899+/-0.009 χ^2/NDF: 1331821.0/40

- sign 51.883+/-0.013 χ^2/NDF: 712794.1/20

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -324.135+/-223.579 χ^2/NDF:8.6/3

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

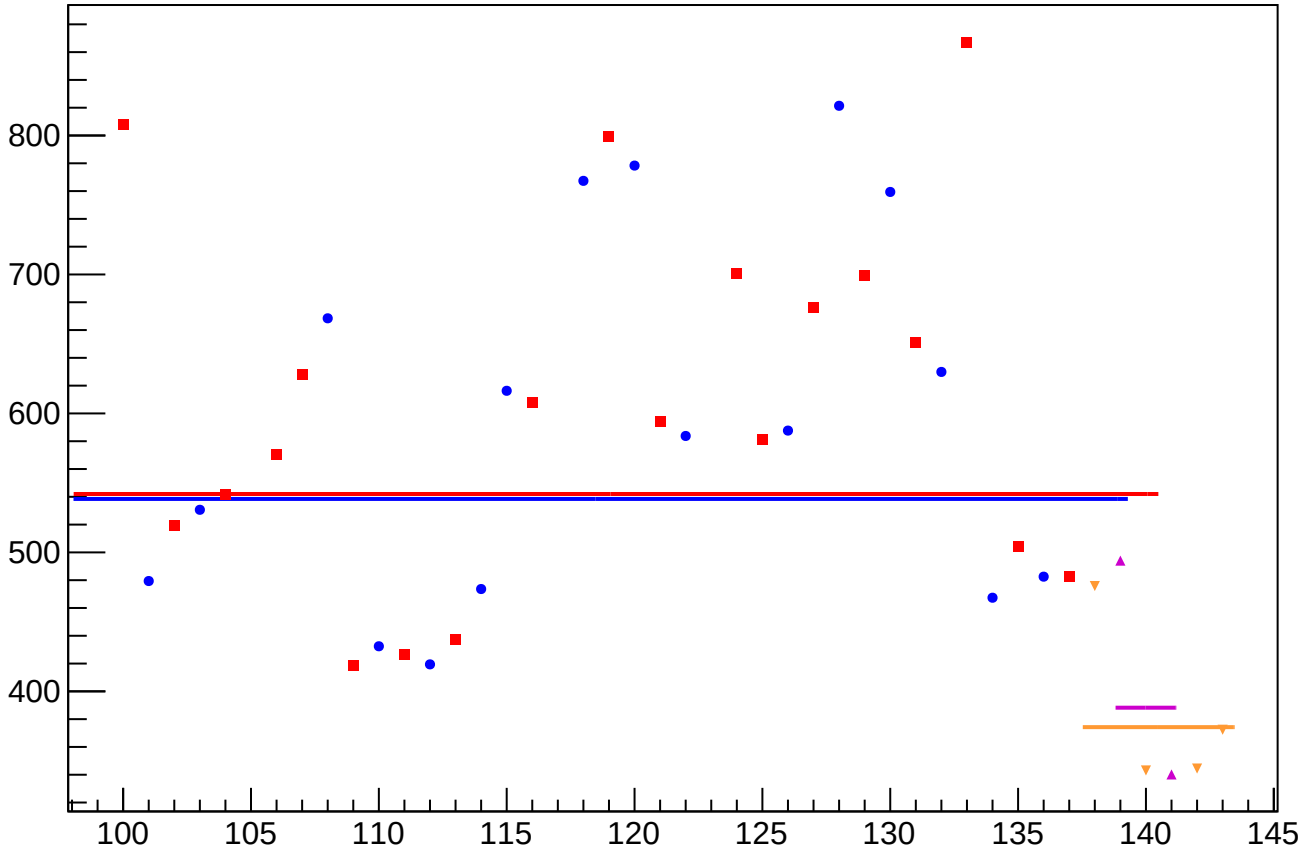
Left In: -281.992+/-301.172 χ^2/NDF:2.3/1

+ sign -250.737+/-151.424 χ^2/NDF: 30.1/19

All: -313.244+/-112.766 χ^2/NDF: 43.9/40

- sign -391.071+/-168.963 χ^2/NDF: 13.3/20

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 374.248+/-0.158 χ^2/NDF:89897.4/3

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

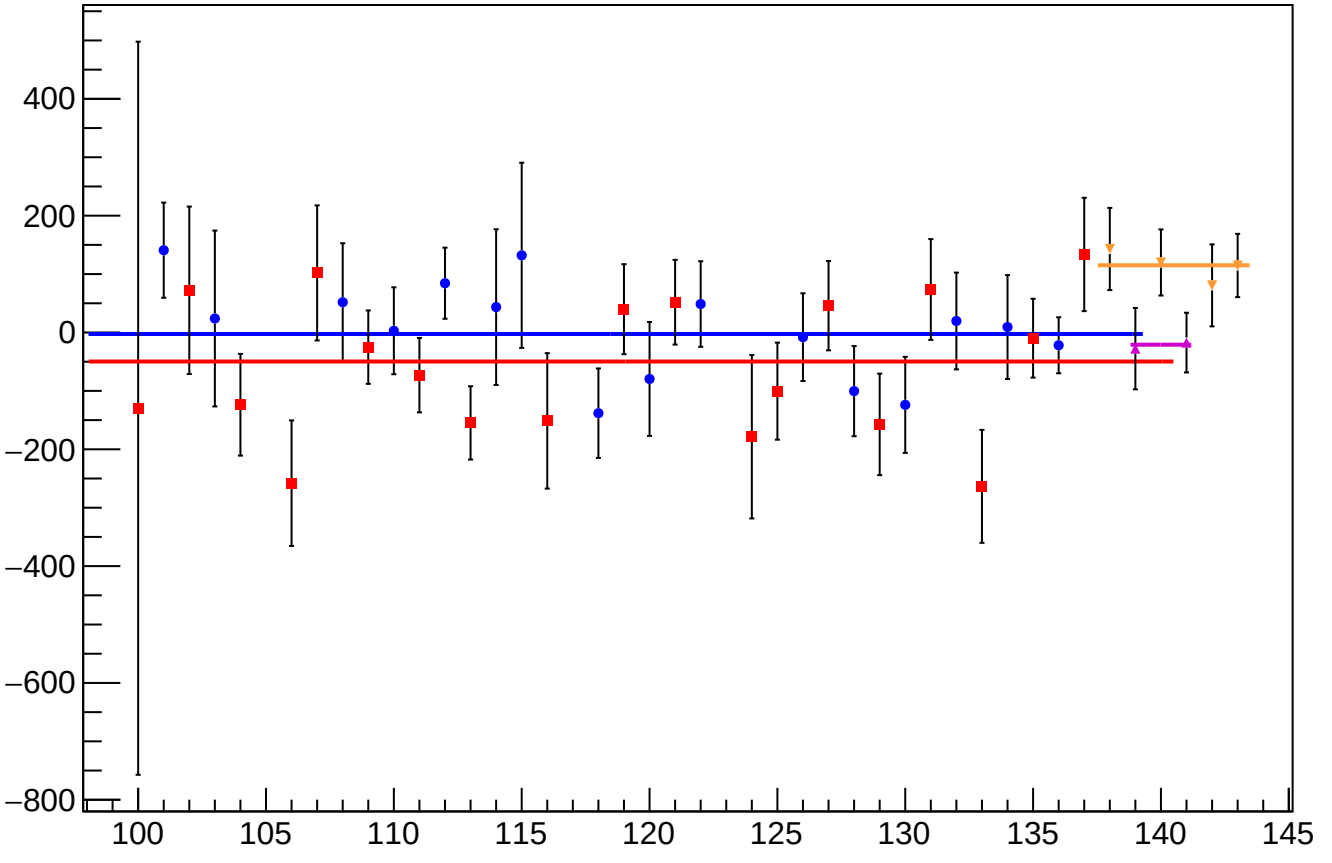
Left In: 388.241+/-0.213 χ^2/NDF:112091.7/1

+ sign 463.144+/-0.107 χ^2/NDF: 1287989.6/19

All: 476.720+/-0.080 χ^2/NDF: 2425070.5/40

- sign 493.623+/-0.119 χ^2/NDF: 1100988.9/20

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 115.088+/-30.744 χ^2/NDF:0.4/3

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

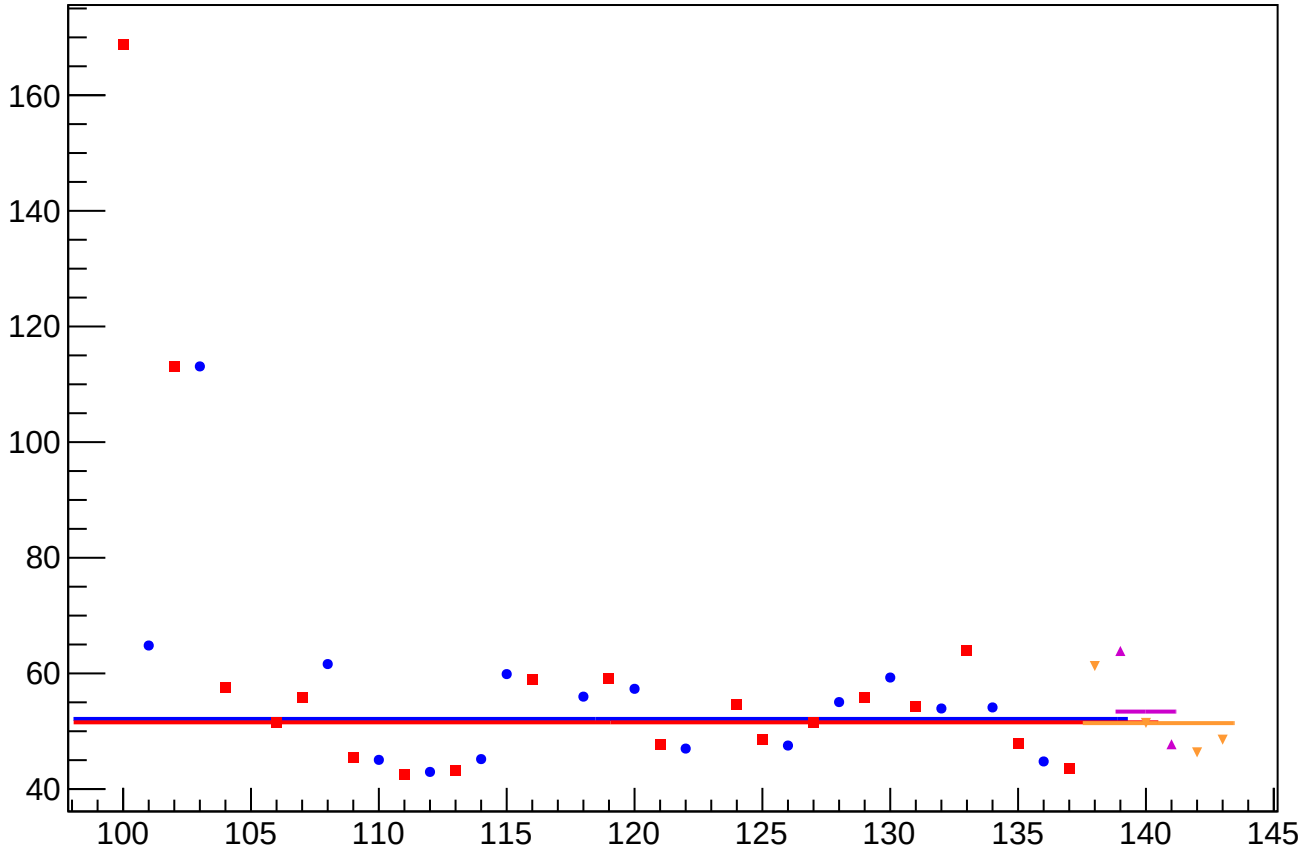
Left In: -20.914+/-41.210 χ^2/NDF:0.0/1

+ sign 32.368+/-16.762 χ^2/NDF: 25.3/19

All: -3.881+/-12.176 χ^2/NDF: 64.9/40

- sign -44.375+/-17.716 χ^2/NDF: 29.7/20

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

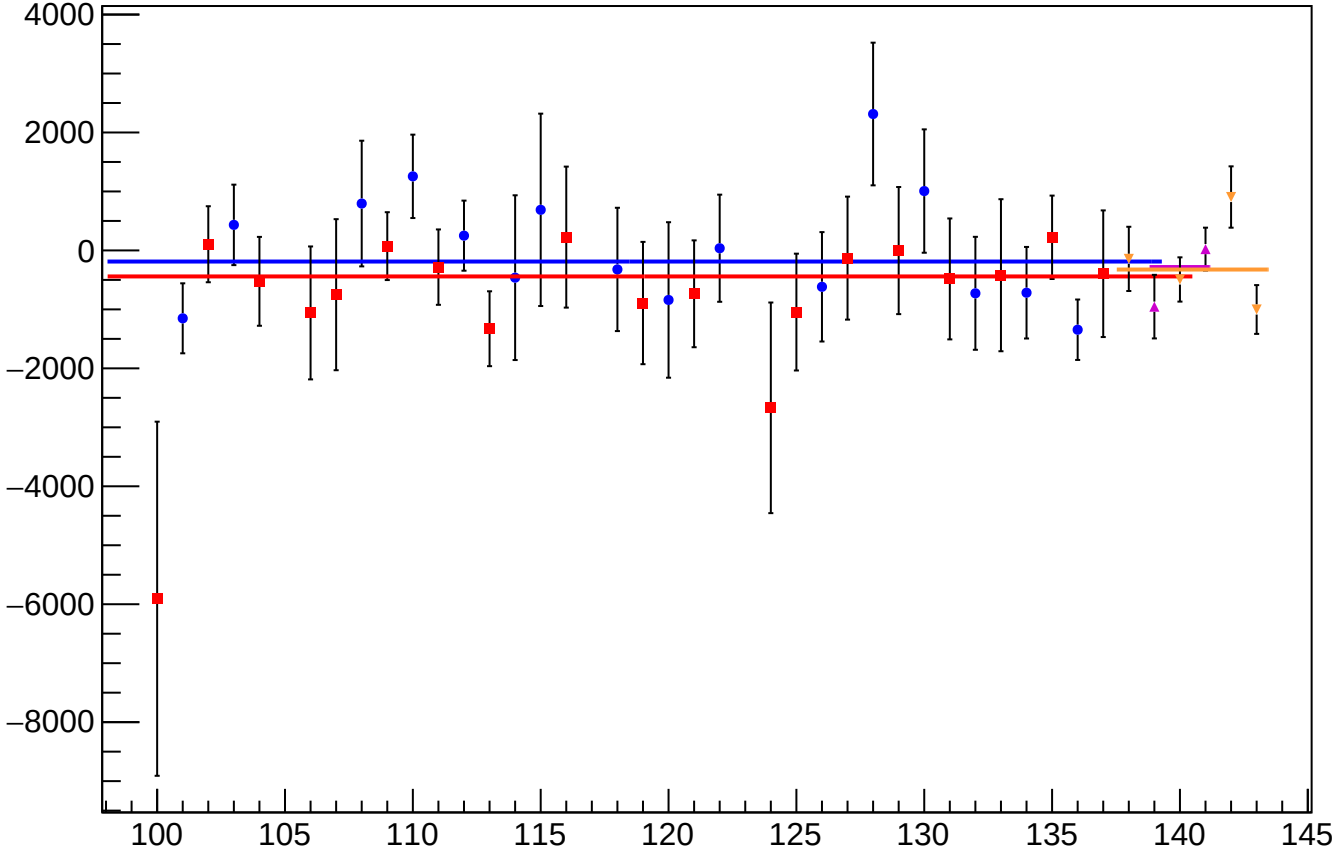
Left In: 53.398+/-0.029 χ^2/NDF:69694.7/1

+ sign 51.913+/-0.012 χ^2/NDF: 619023.9/19

All: 51.899+/-0.009 χ^2/NDF: 1331821.0/40

- sign 51.883+/-0.013 χ^2/NDF: 712794.1/20

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -324.135+/-223.579 χ^2/NDF:8.6/3

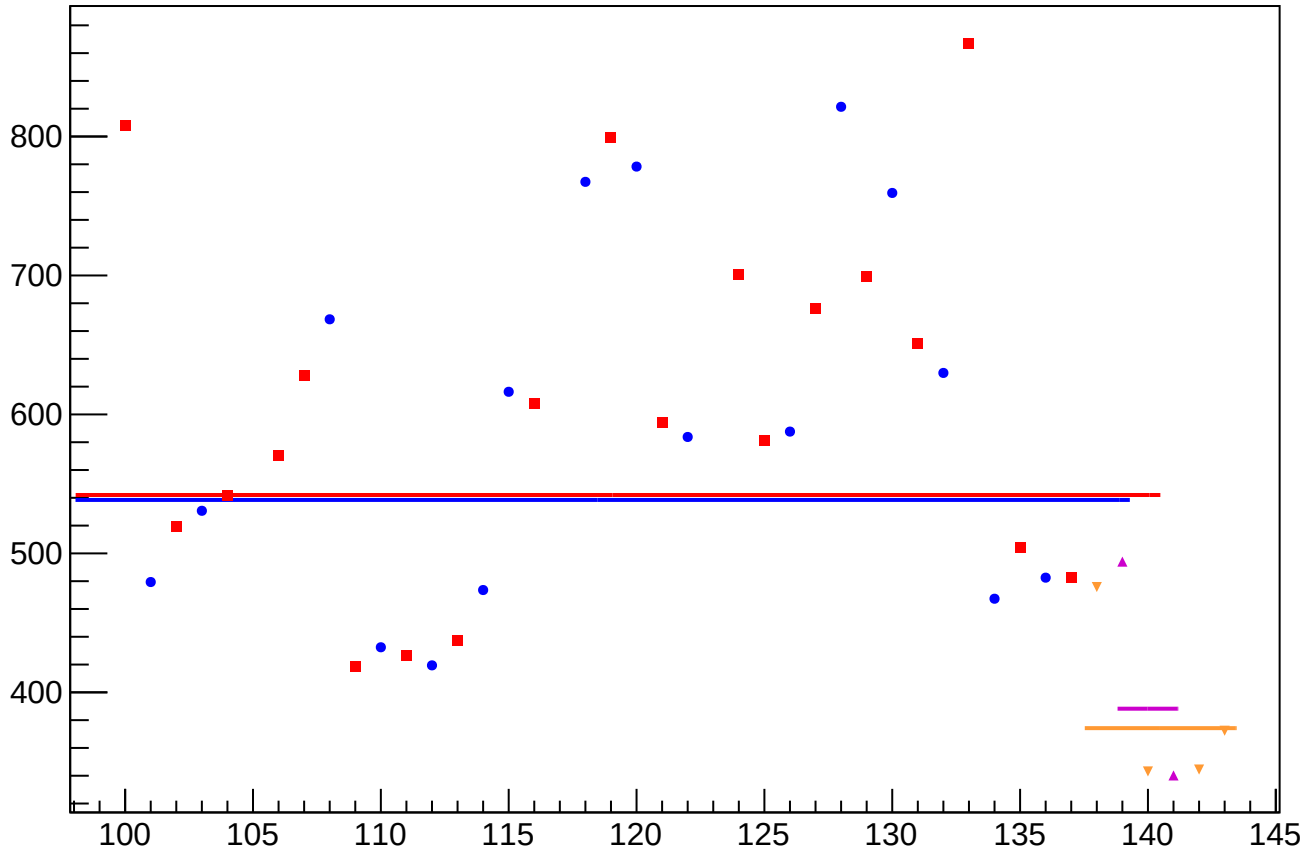
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -281.992+/-301.172 χ^2/NDF:2.3/1

+ sign -250.737+/-151.424 χ^2/NDF: 30.1/19

All: -313.244+/-112.766 χ^2/NDF: 43.9/40

- sign -391.071+/-168.963 χ^2/NDF: 13.3/20



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 374.248+/-0.158 χ^2/NDF:89897.4/3

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

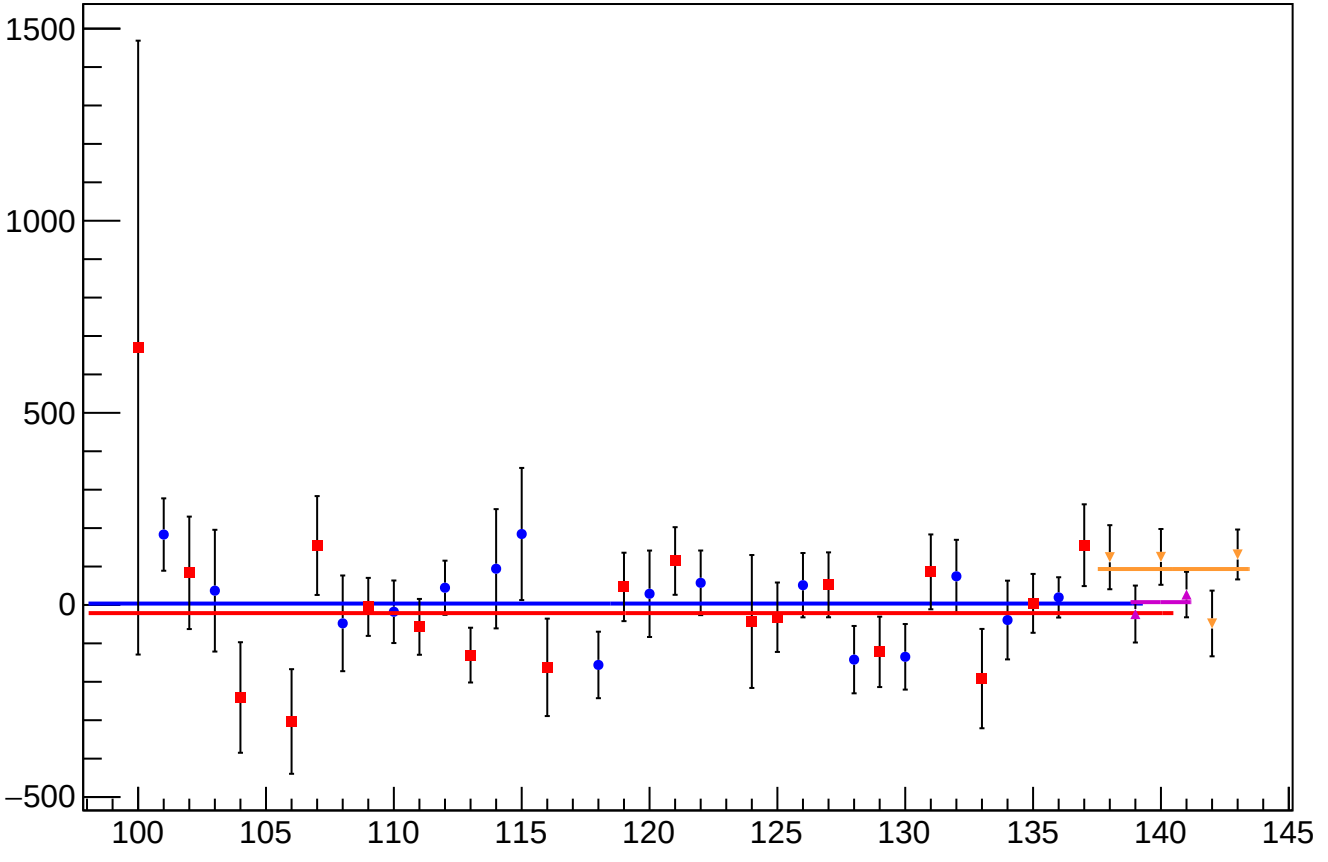
Left In: 388.241+/-0.213 χ^2/NDF:112091.7/1

+ sign 463.144+/-0.107 χ^2/NDF: 1287989.6/19

All: 476.720+/-0.080 χ^2/NDF: 2425070.5/40

- sign 493.623+/-0.119 χ^2/NDF: 1100988.9/20

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 93.502+/-37.595 χ^2/NDF:3.4/3

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

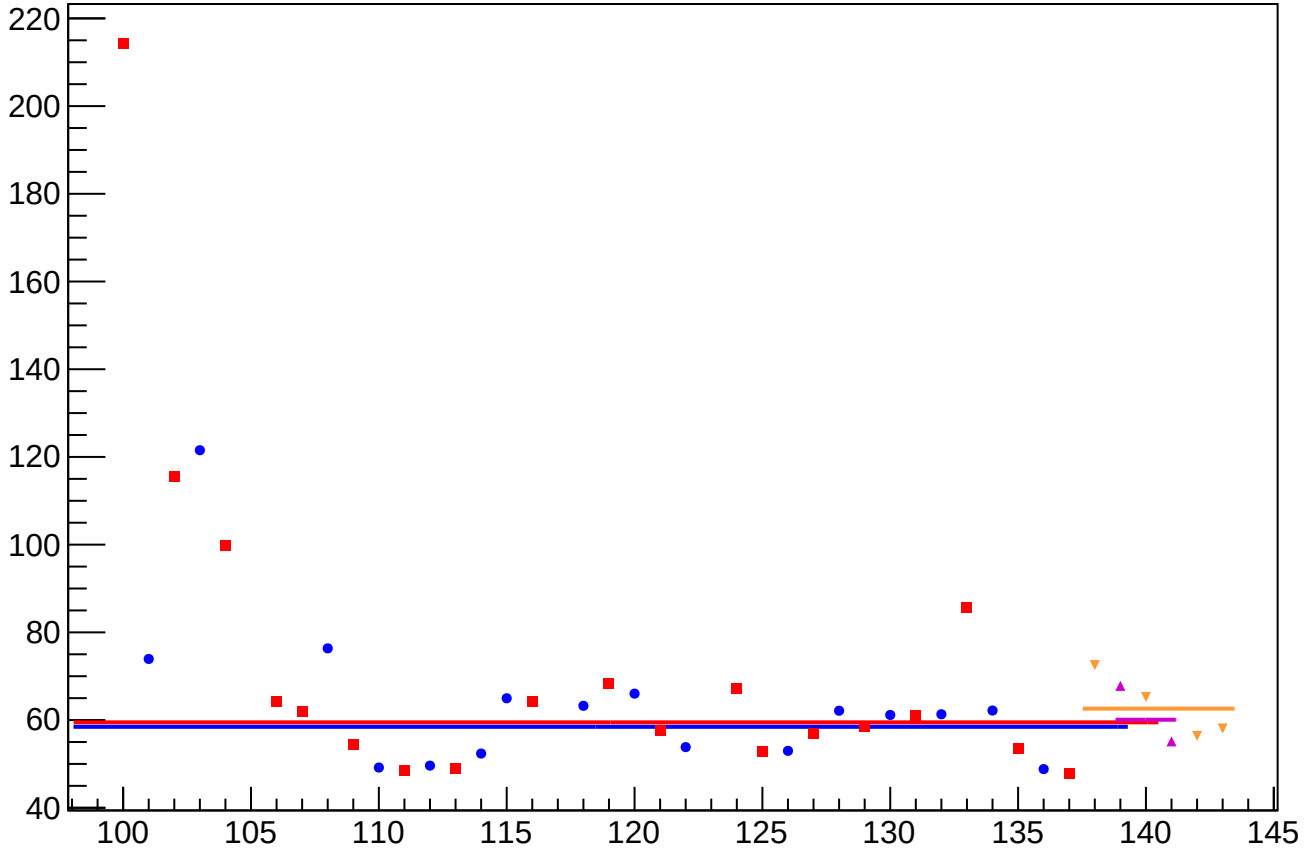
Left In: 7.299+/-46.254 χ^2/NDF:0.3/1

+ sign 27.276+/-19.294 χ^2/NDF: 23.8/19

All: 7.022+/-14.027 χ^2/NDF: 51.1/40

- sign -15.684+/-20.428 χ^2/NDF: 25.0/20

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 62.608+/-0.027 χ^2/NDF:51238.3/3

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

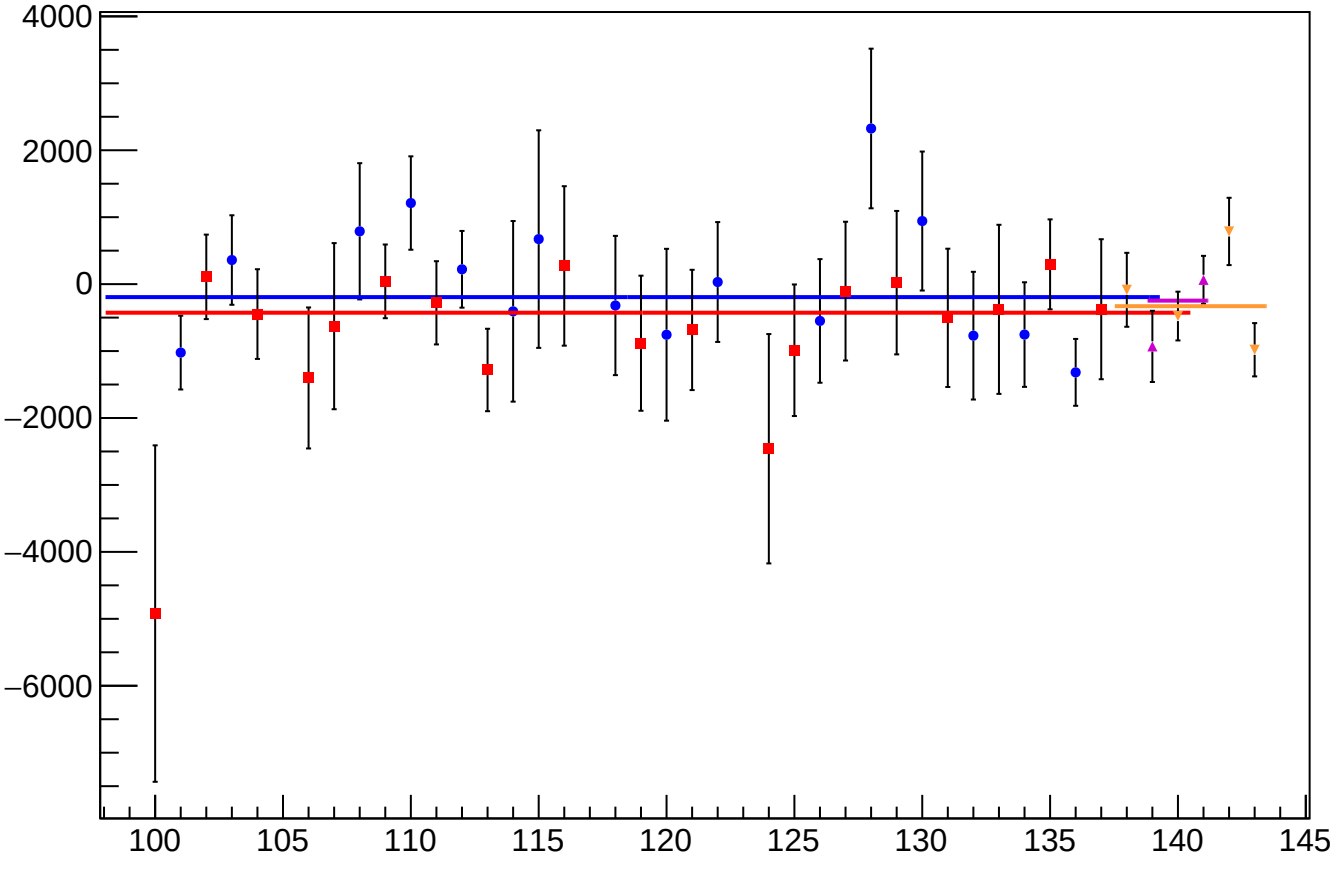
Left In: 60.082+/-0.033 χ^2/NDF:35587.3/1

+ sign 59.557+/-0.014 χ^2/NDF: 652114.4/19

All: 59.577+/-0.010 χ^2/NDF: 1472855.6/40

- sign 59.601+/-0.014 χ^2/NDF: 820736.3/20

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -329.506+/-217.779 χ^2/NDF:8.0/3

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

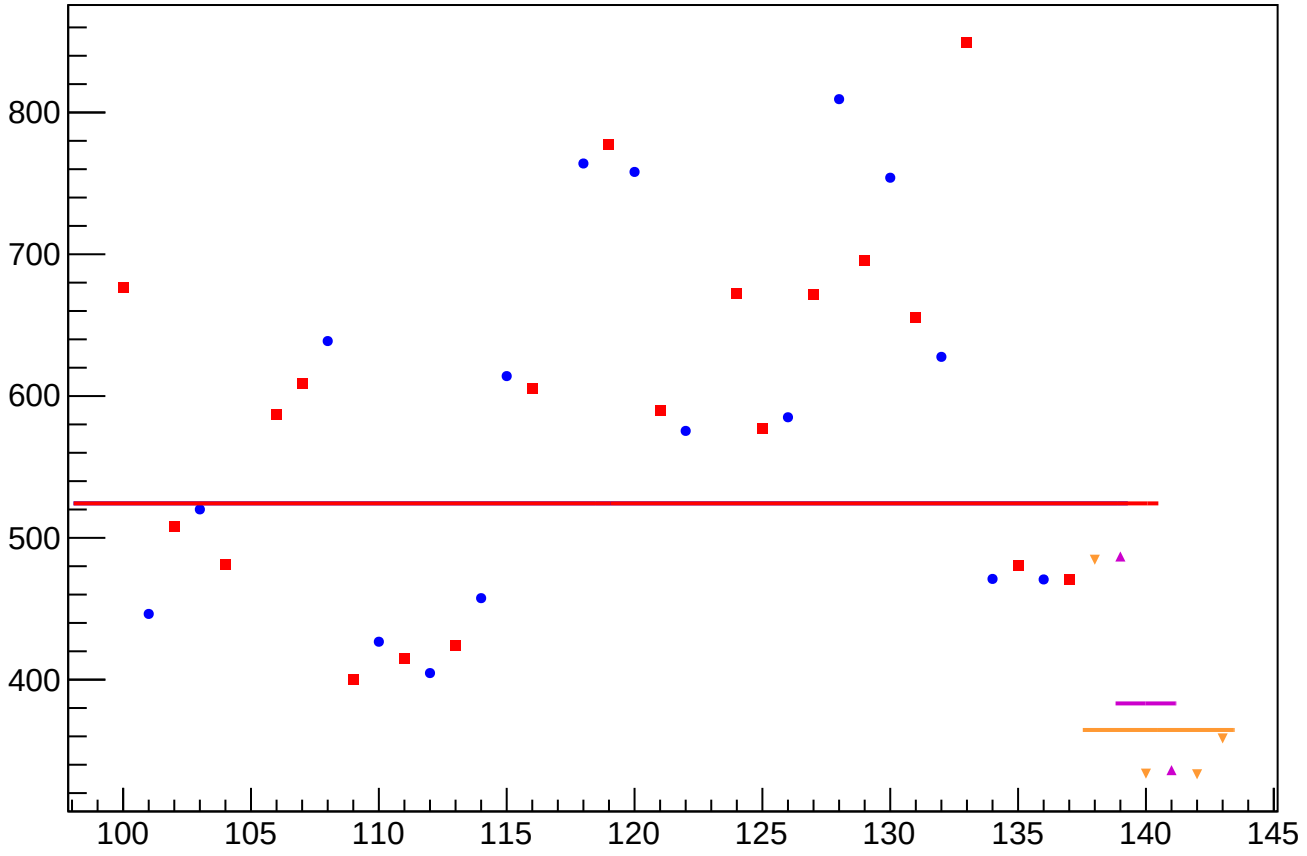
Left In: -246.420+/-297.132 χ^2/NDF:2.4/1

+ sign -256.145+/-147.547 χ^2/NDF: 29.0/19

All: -307.833+/-109.746 χ^2/NDF: 43.2/40

- sign -371.841+/-164.194 χ^2/NDF: 14.0/20

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 364.515+/-0.154 χ^2/NDF:116984.2/3

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

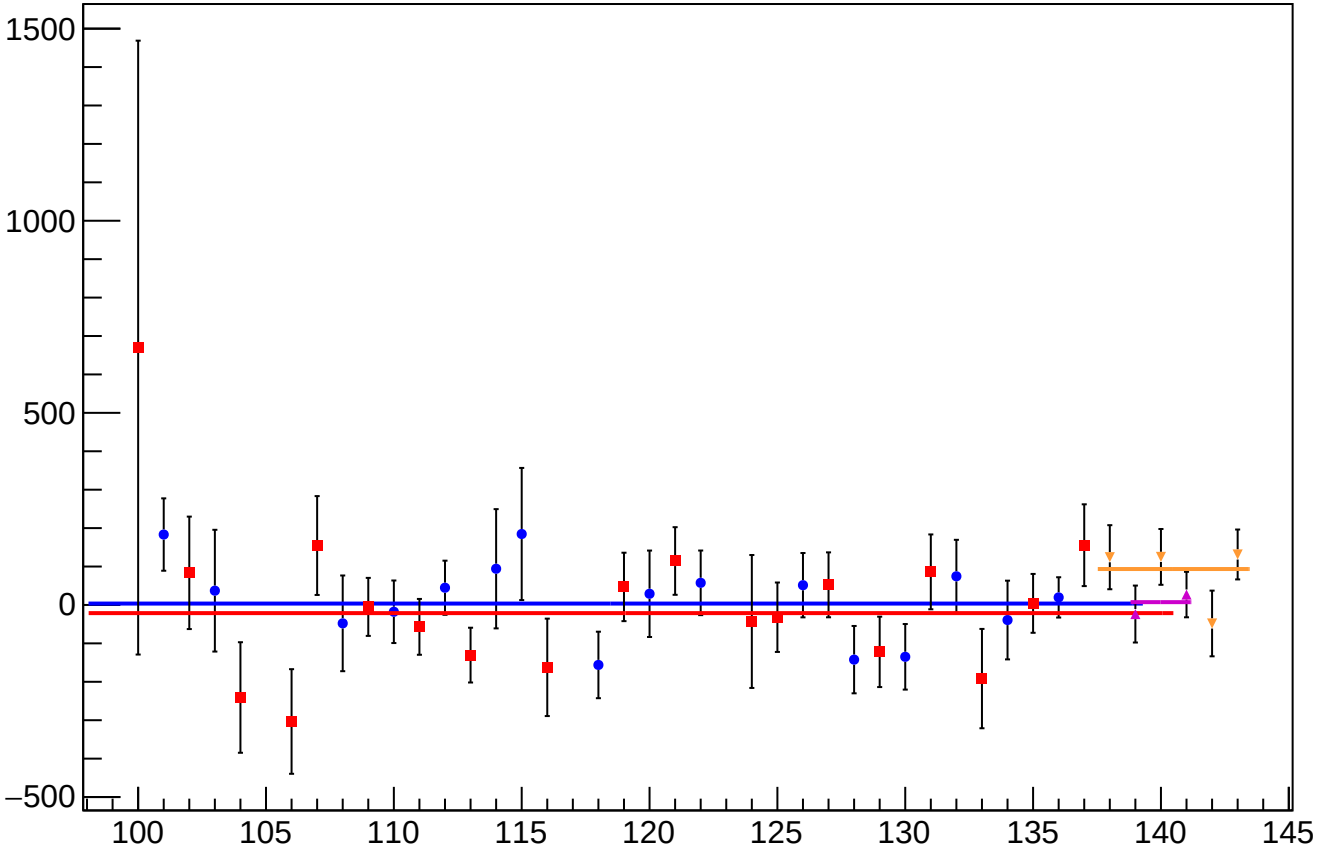
Left In: 383.236+/-0.210 χ^2/NDF:110429.7/1

\+ sign 450.970+/-0.104 χ^2/NDF: 1358108.8/19

All: 464.488+/-0.078 χ^2/NDF: 2505335.1/40

\- sign 481.229+/-0.116 χ^2/NDF: 1109647.5/20

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 93.502+/-37.595 χ^2/NDF:3.4/3

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

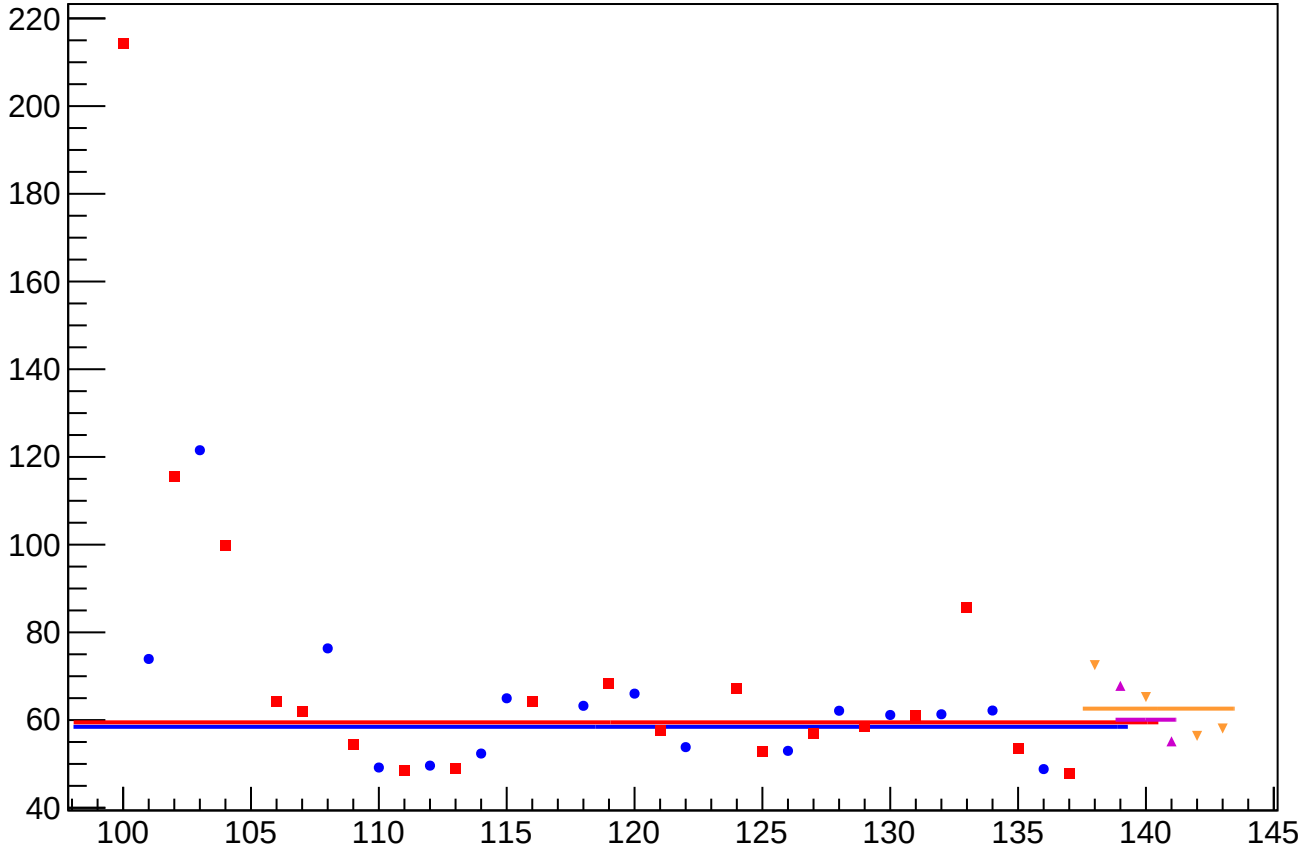
Left In: 7.298+/-46.254 χ^2/NDF:0.3/1

+ sign 27.276+/-19.294 χ^2/NDF: 23.8/19

All: 7.022+/-14.027 χ^2/NDF: 51.1/40

- sign -15.683+/-20.428 χ^2/NDF: 25.0/20

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 62.609+/-0.027 χ^2/NDF:51236.6/3

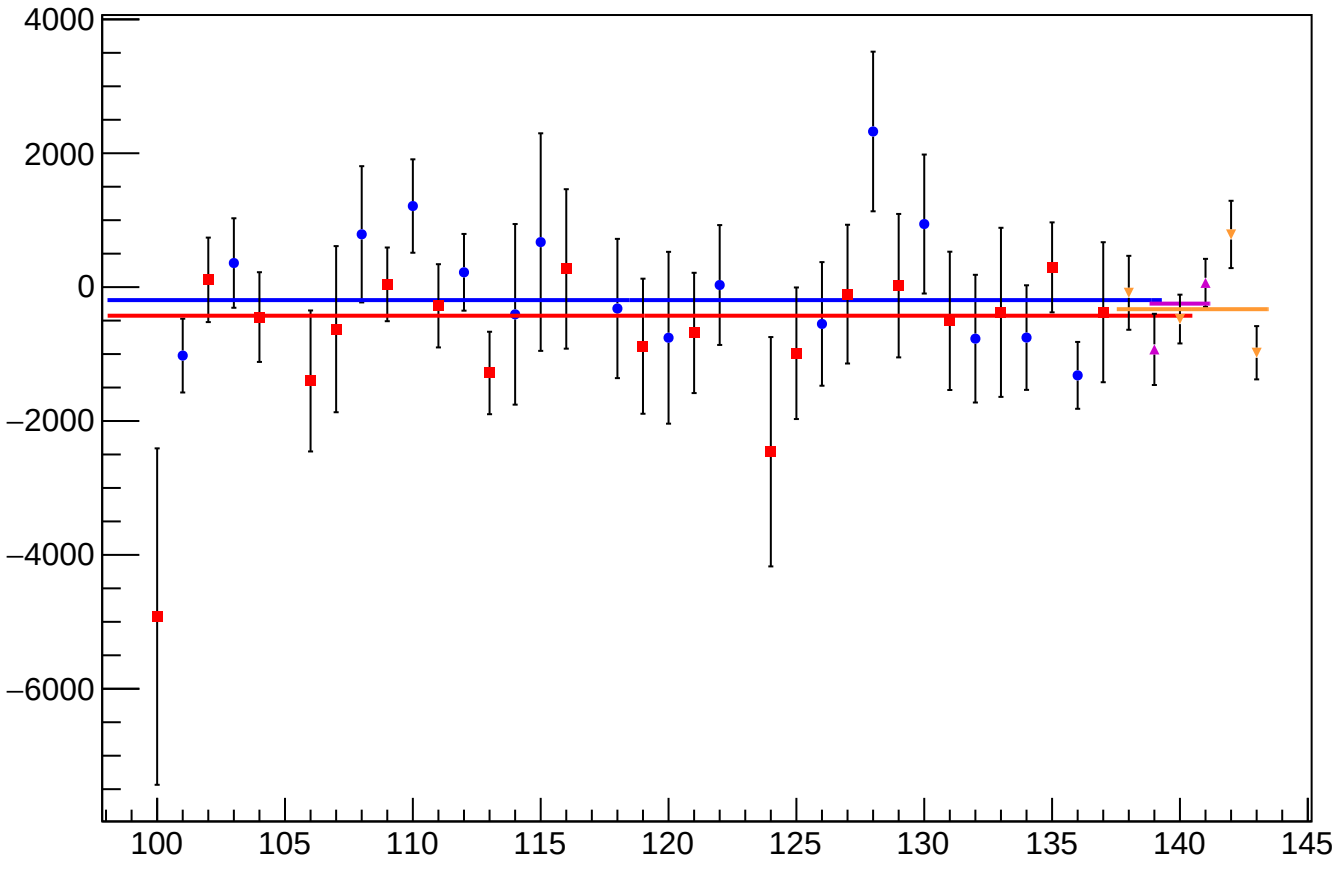
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 60.082+/-0.033 χ^2/NDF:35585.8/1

+ sign 59.557+/-0.014 χ^2/NDF: 652111.0/19

All: 59.578+/-0.010 χ^2/NDF: 1472851.0/40

- sign 59.601+/-0.014 χ^2/NDF: 820735.0/20



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -329.507+/-217.778 χ^2/NDF:8.0/3

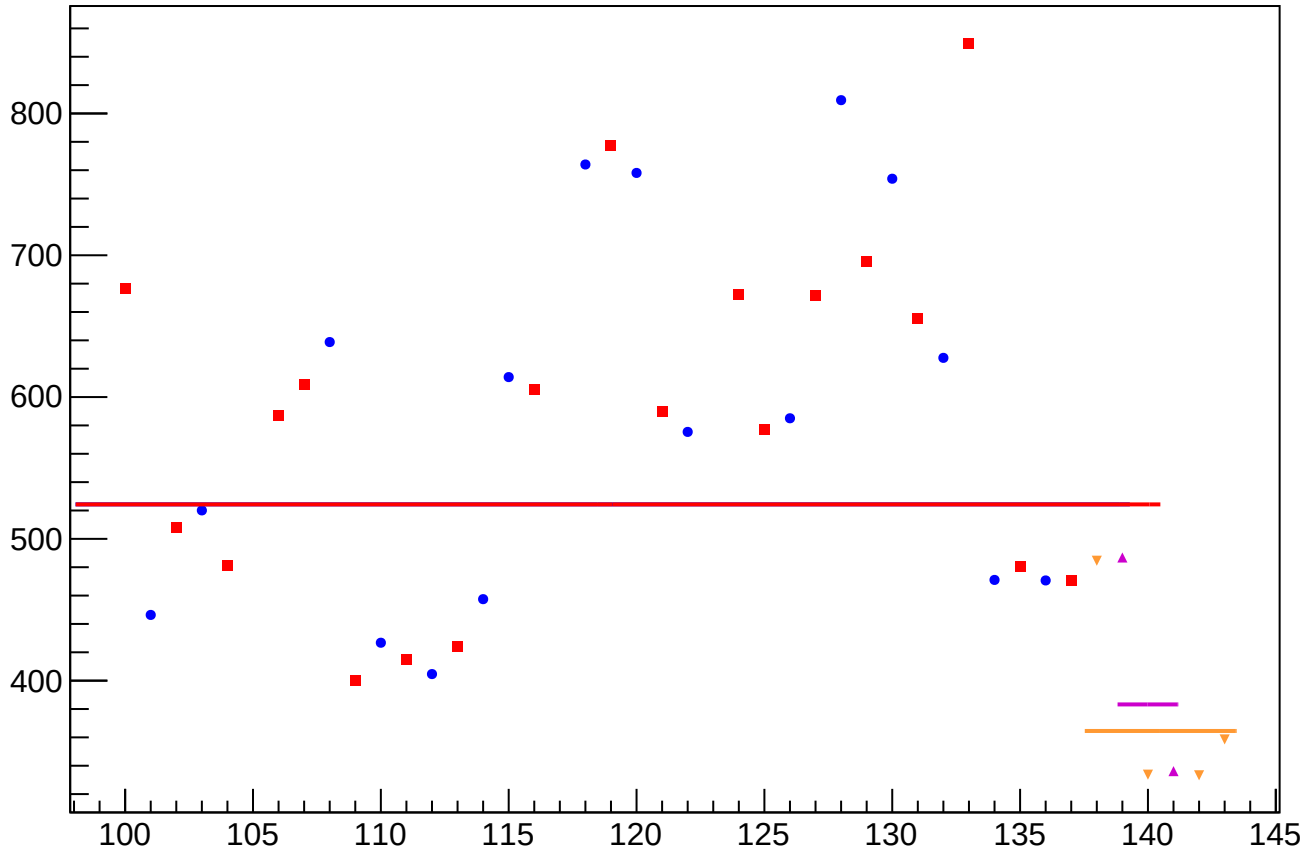
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -246.420+/-297.132 χ^2/NDF:2.4/1

+ sign -256.145+/-147.547 χ^2/NDF: 29.0/19

All: -307.833+/-109.746 χ^2/NDF: 43.2/40

- sign -371.841+/-164.194 χ^2/NDF: 14.0/20



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 364.515+/-0.154 χ^2/NDF:116985.3/3

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

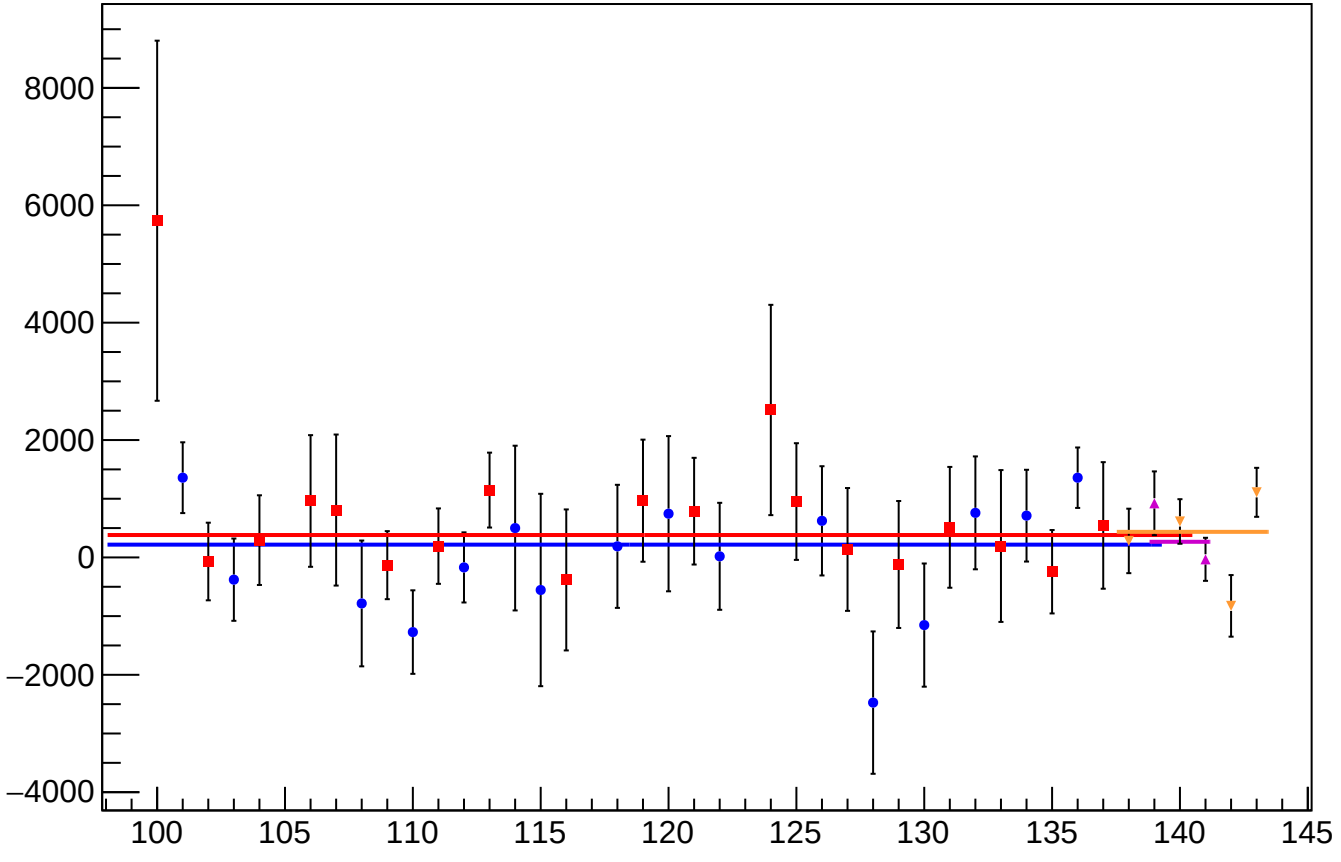
Left In: 383.236+/-0.210 χ^2/NDF:110430.0/1

+ sign 450.969+/-0.104 χ^2/NDF: 1358110.2/19

All: 464.488+/-0.078 χ^2/NDF: 2505334.5/40

- sign 481.228+/-0.116 χ^2/NDF: 1109645.3/20

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 435.846+/-225.762 χ^2/NDF:8.7/3

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

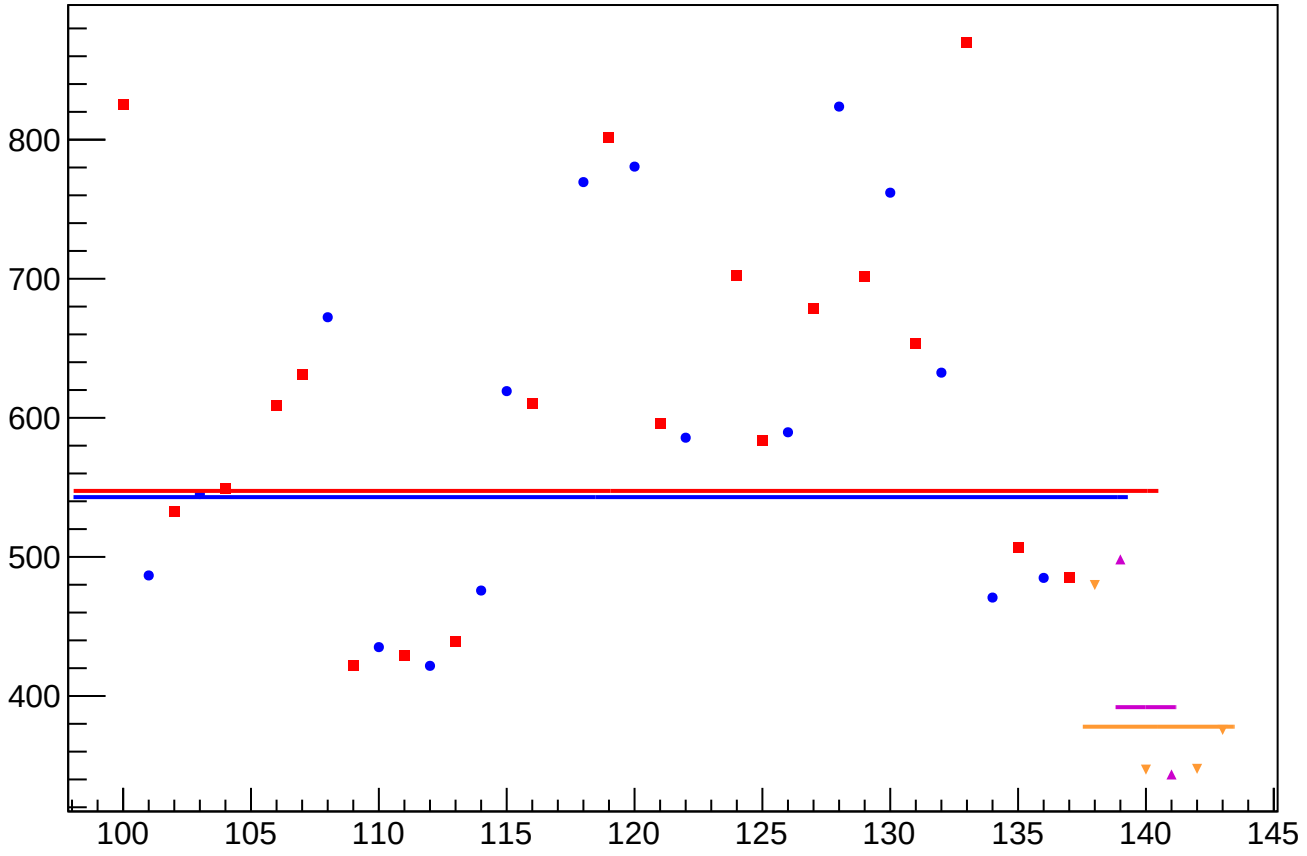
Left In: 266.432+/-304.029 χ^2/NDF:2.1/1

+ sign 317.621+/-152.770 χ^2/NDF: 32.1/19

All: 330.108+/-113.720 χ^2/NDF: 44.3/40

- sign 345.625+/-170.304 χ^2/NDF: 12.2/20

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 377.924+/-0.160 χ^2/NDF:88746.1/3

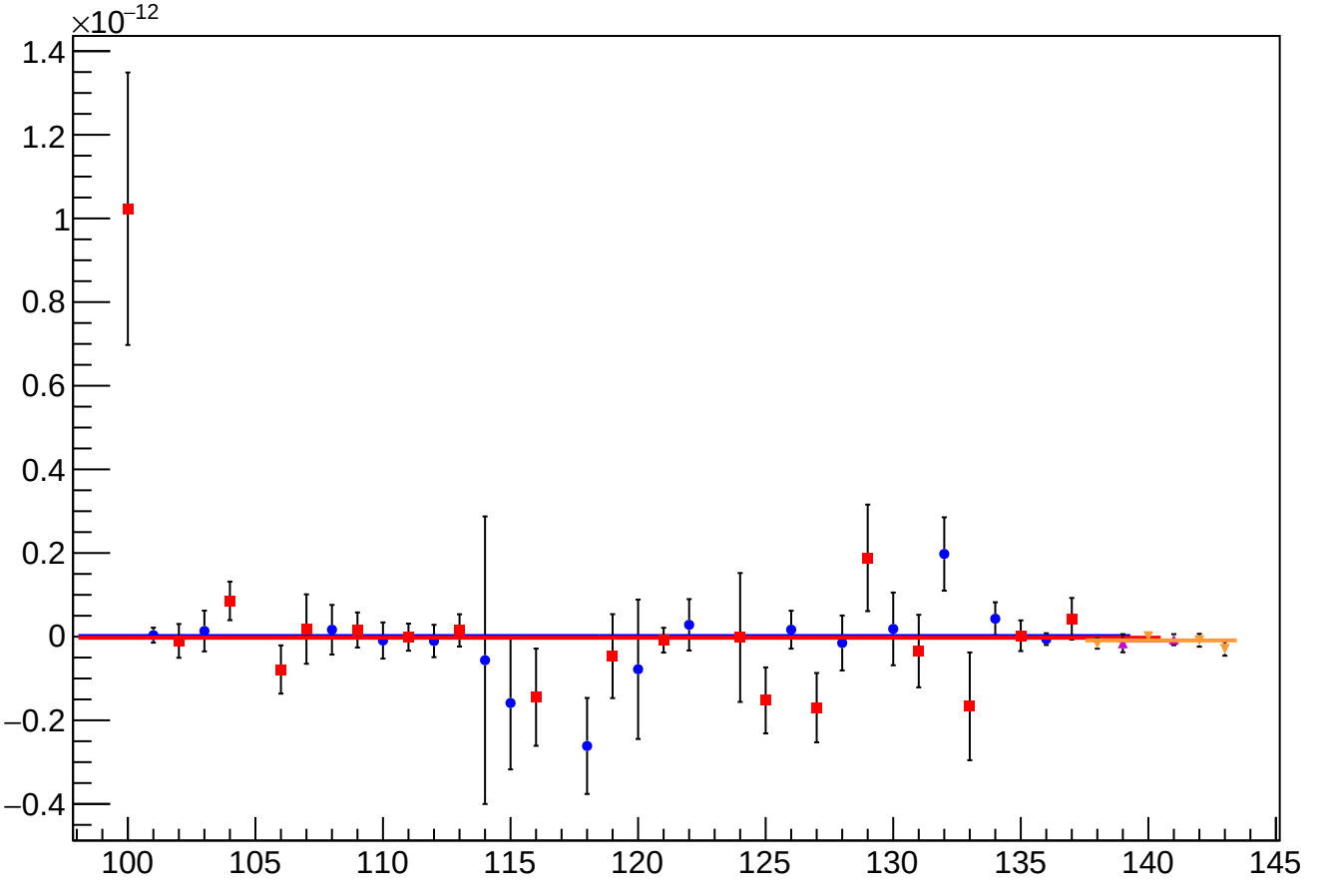
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

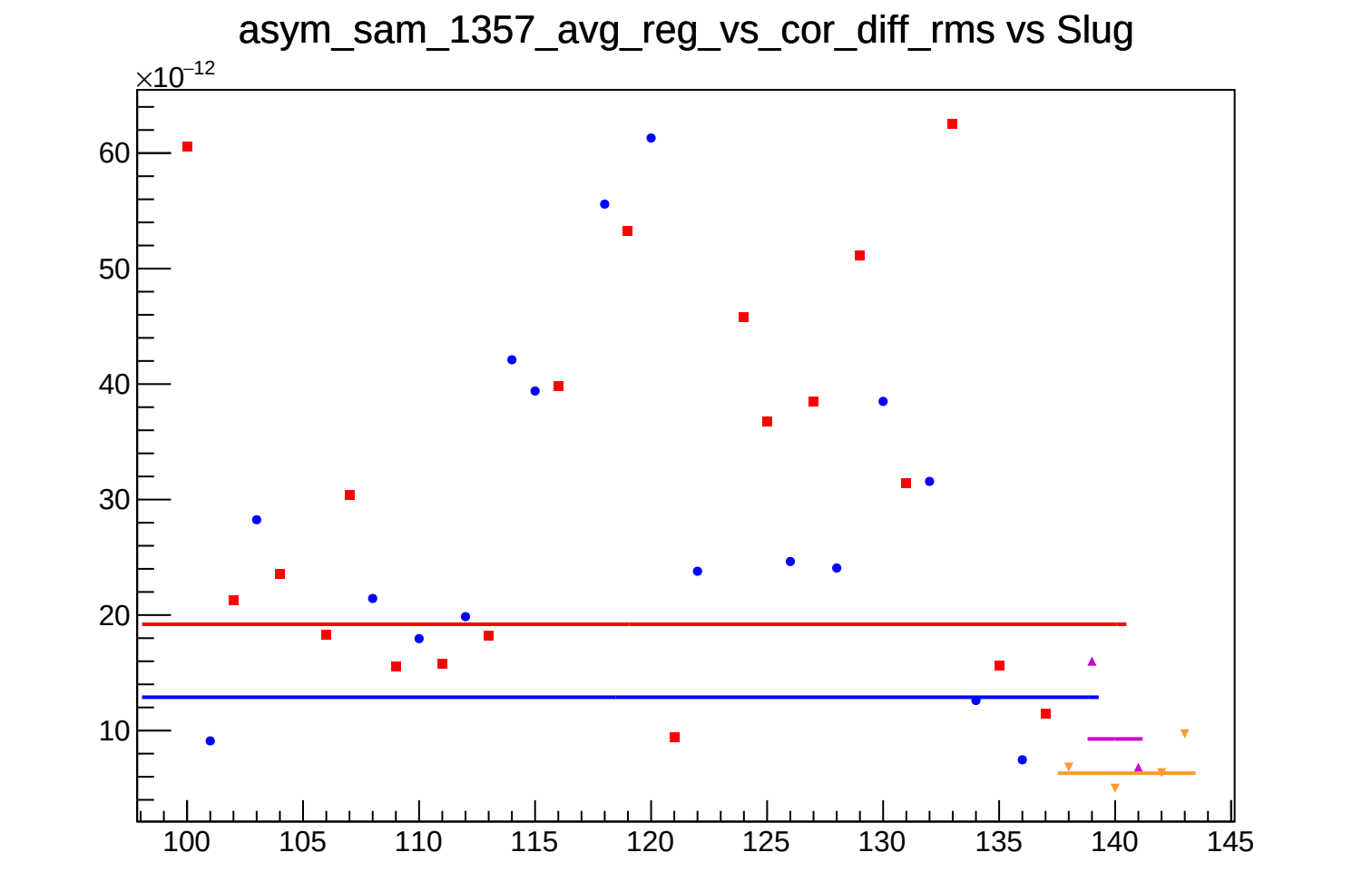
Left In: 391.976+/-0.215 χ^2/NDF:111214.5/1

+ sign 467.409+/-0.108 χ^2/NDF: 1273636.5/19

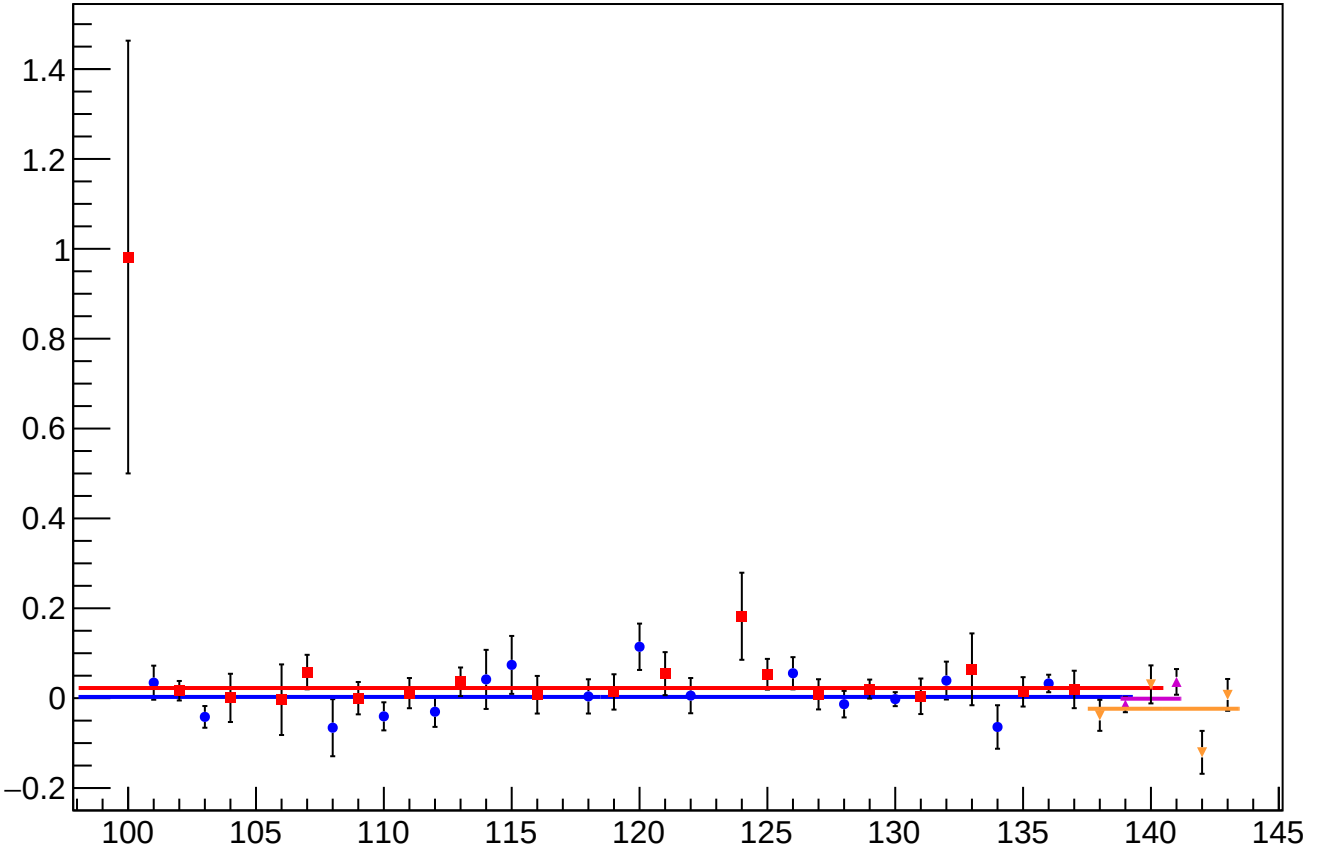
All: 481.351+/-0.080 χ^2/NDF: 2411462.8/40

- sign 498.676+/-0.120 χ^2/NDF: 1100471.9/20


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1.4
1.2
1
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: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:3.0/3
Right Out: -0.000+/-0.000 χ²/NDF: 30.1/18
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
+ sign -0.000+/-0.000 χ²/NDF: 17.5/19
All: -0.000+/-0.000 χ²/NDF: 47.9/40
- sign -0.000+/-0.000 χ²/NDF: 30.3/20


asym_sam_1357_avg_reg_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: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:130206.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:263607.2/1
+ sign 0.000+/-0.000 χ²/NDF: 2609635.9/19
All: 0.000+/-0.000 χ²/NDF: 5605254.6/40
- sign 0.000+/-0.000 χ²/NDF: 2353413.4/20

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: -0.024+/-0.019 χ^2/NDF:6.7/3

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

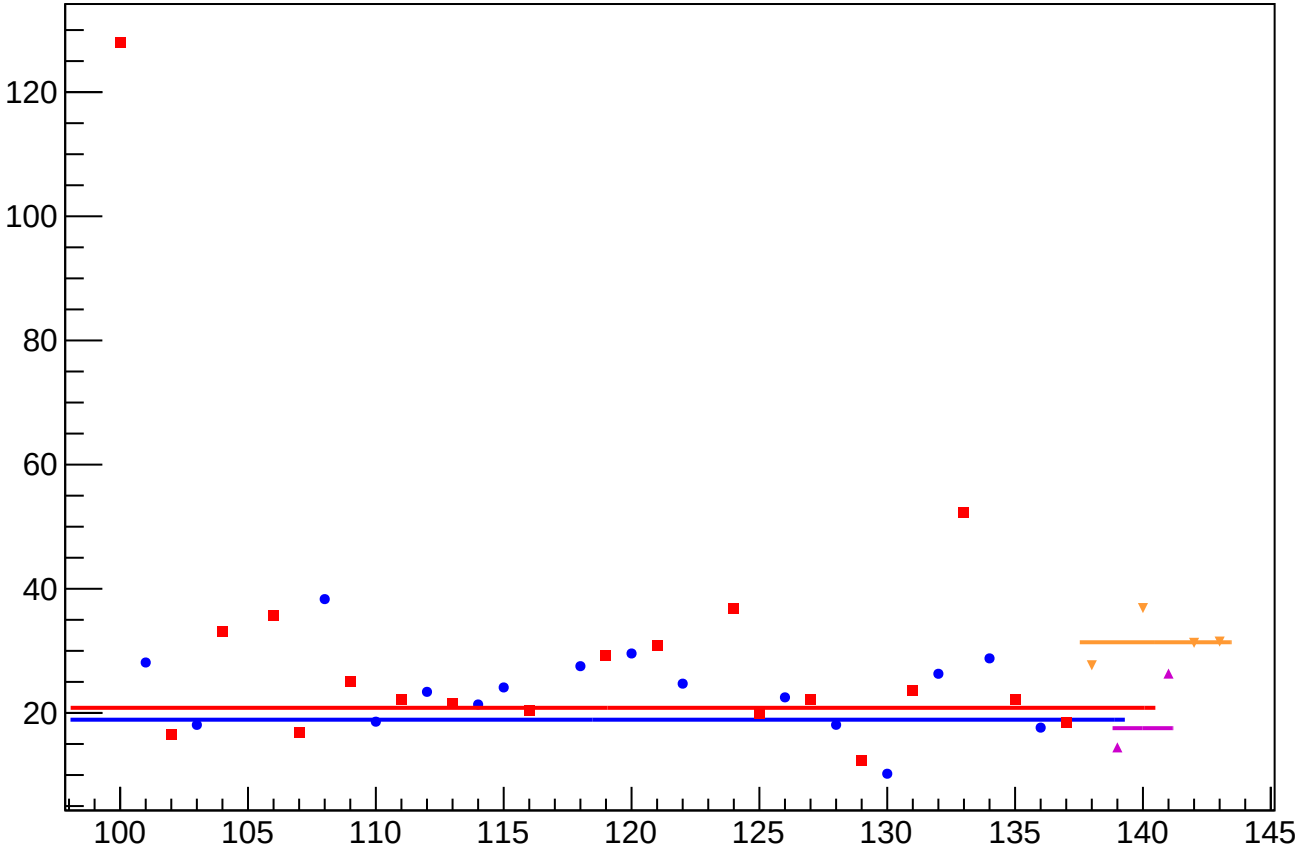
Left In: -0.001+/-0.015 χ^2/NDF:2.3/1

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/19

All: 0.008+/-0.005 χ^2/NDF: 48.2/40

- sign 0.017+/-0.007 χ^2/NDF: 15.1/20

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: 31.386+/-0.014 χ^2/NDF:57011.2/3

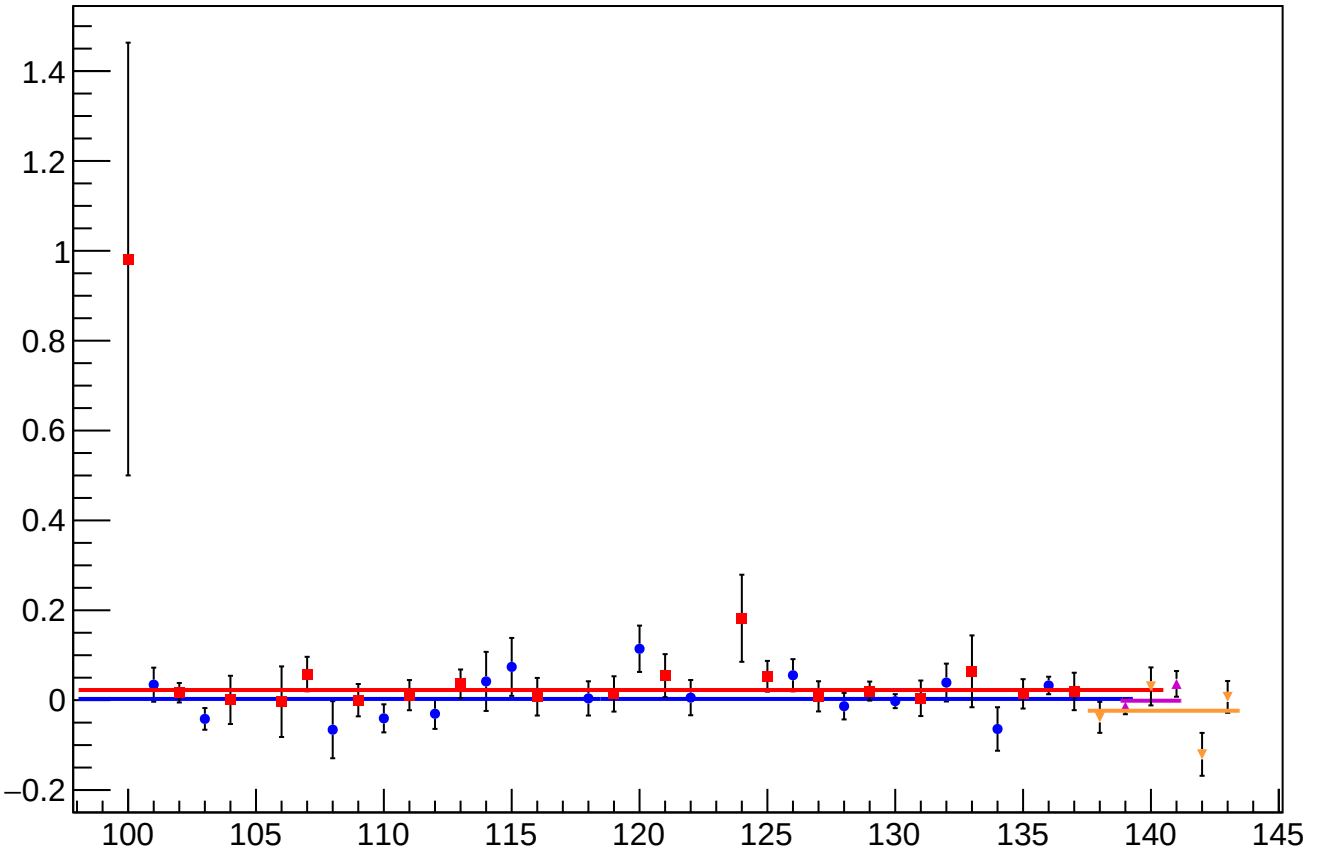
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 17.547+/-0.010 χ^2/NDF:255500.4/1

+ sign 20.637+/-0.005 χ^2/NDF: 2154084.7/19

All: 20.322+/-0.004 χ^2/NDF: 3784418.5/40

- sign 20.002+/-0.005 χ^2/NDF: 1622741.5/20



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.024+/-0.019 χ^2/NDF:6.7/3

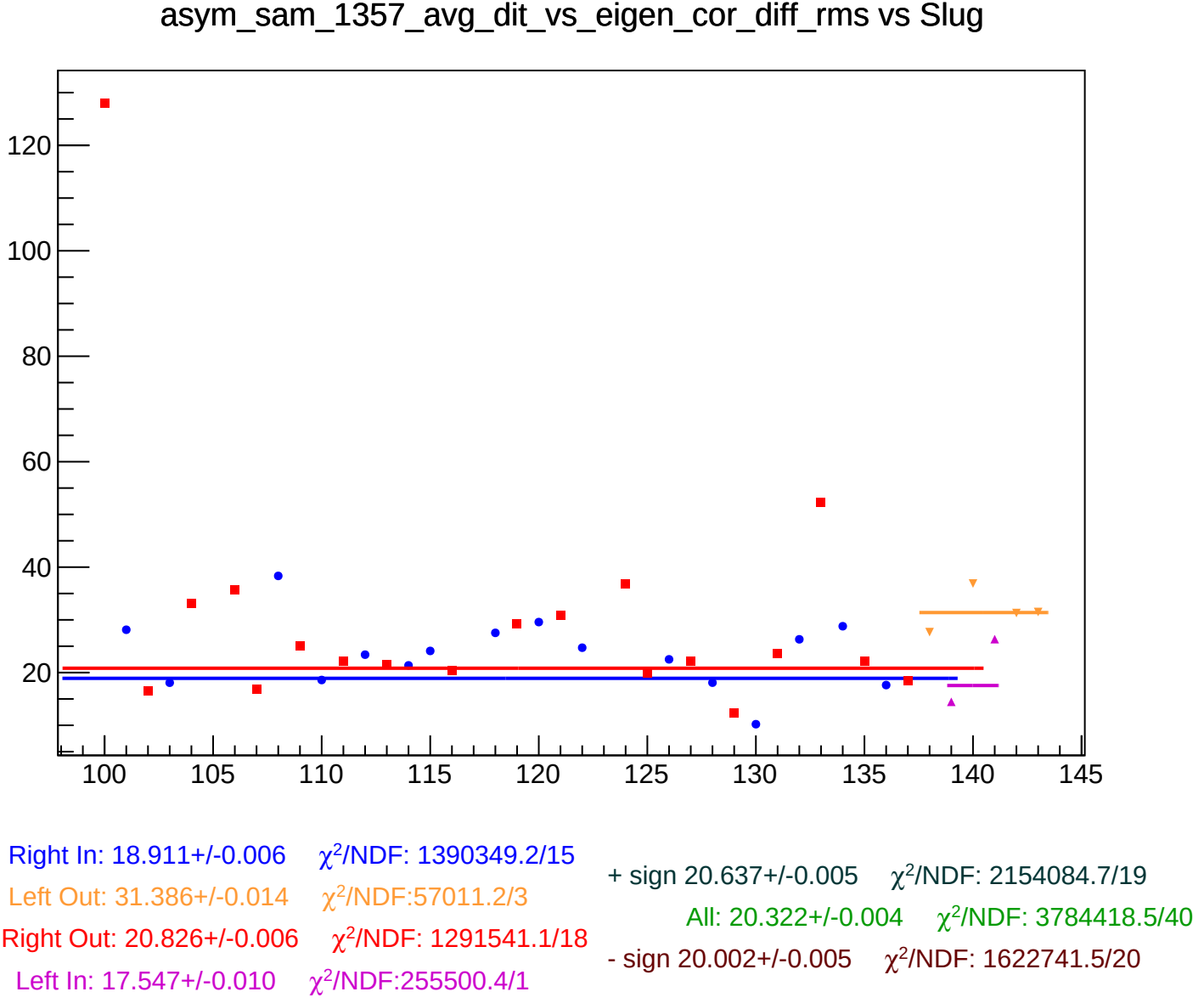
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

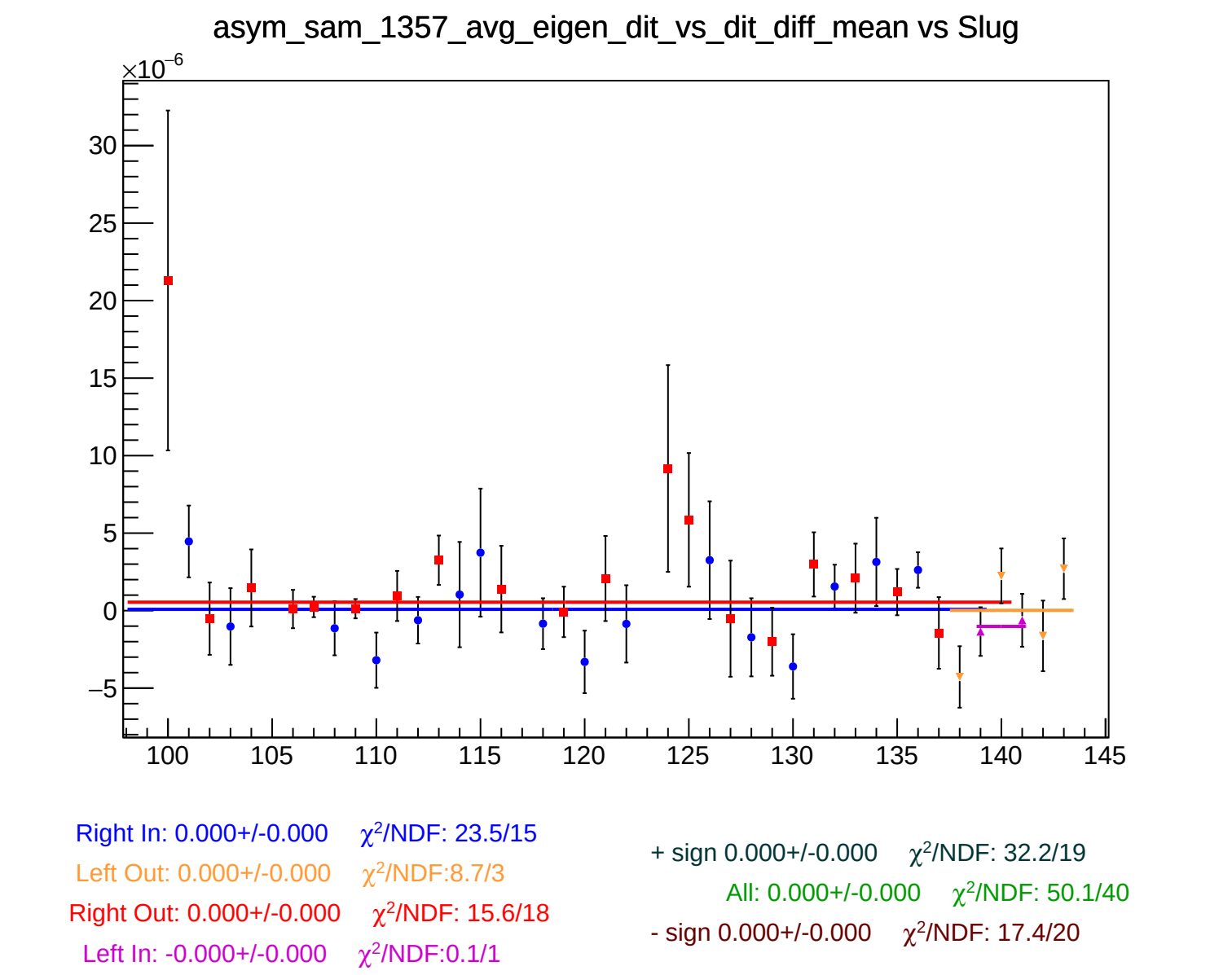
Left In: -0.001+/-0.015 χ^2/NDF:2.3/1

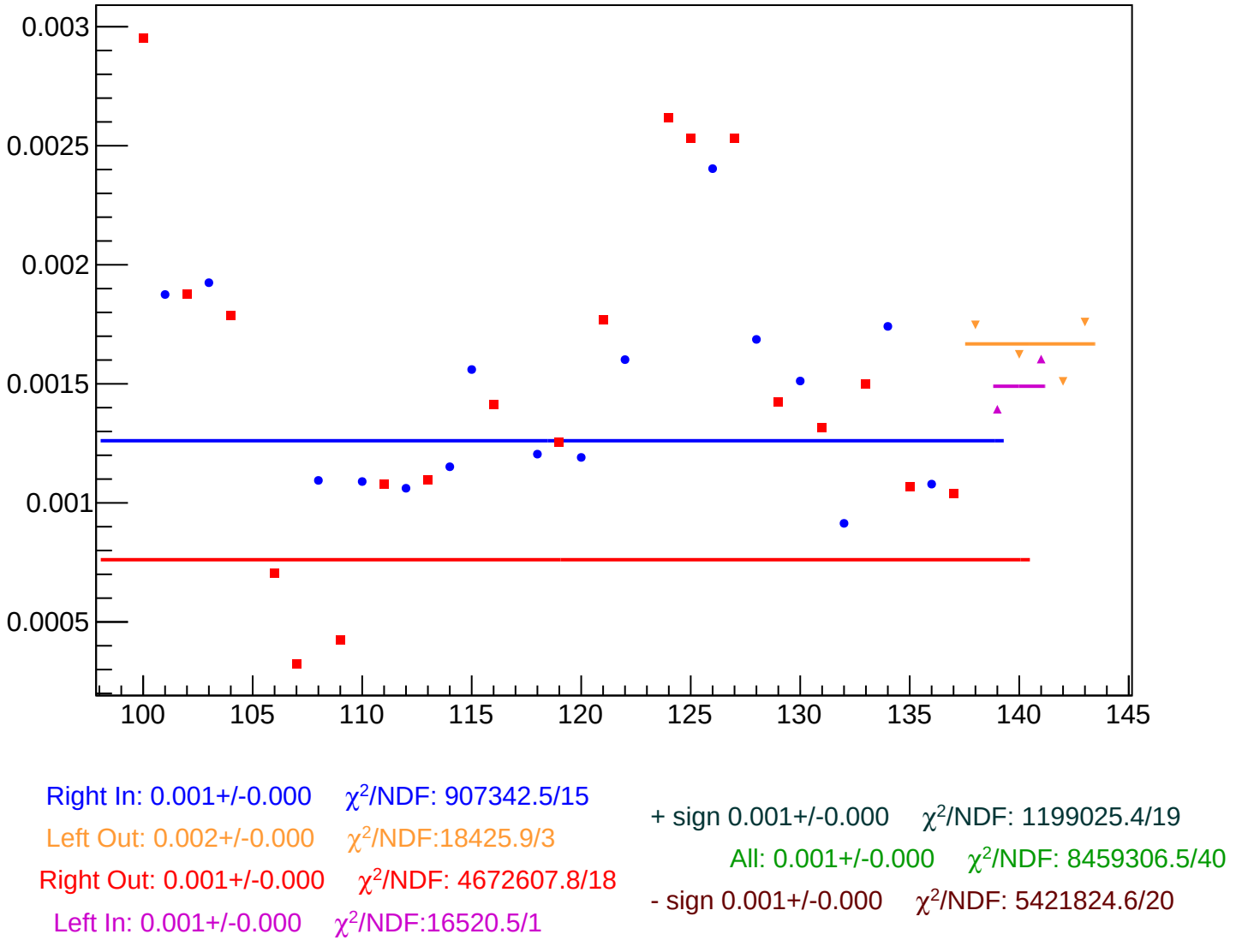
+ sign -0.001+/-0.007 χ^2/NDF: 30.2/19

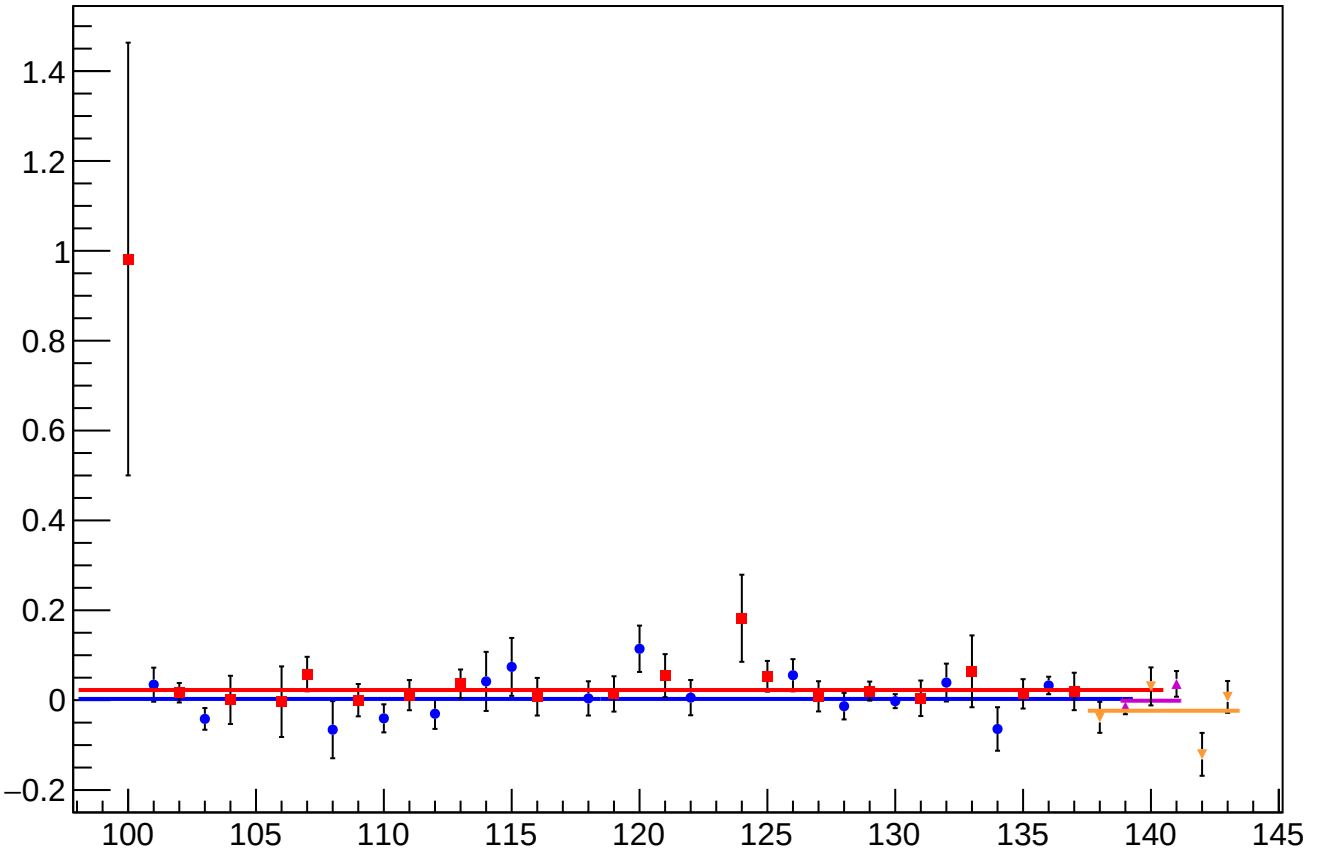
All: 0.008+/-0.005 χ^2/NDF: 48.2/40

- sign 0.017+/-0.007 χ^2/NDF: 15.1/20


asym_sam_1357_avg_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: 18.911+/-0.006 χ2/NDF: 1390349.2/15
Left Out: 31.386+/-0.014 χ2/NDF:57011.2/3
Right Out: 20.826+/-0.006 χ2/NDF: 1291541.1/18
Left In: 17.547+/-0.010 χ2/NDF:255500.4/1
+ sign 20.637+/-0.005 χ2/NDF: 2154084.7/19
All: 20.322+/-0.004 χ2/NDF: 3784418.5/40
- sign 20.002+/-0.005 χ2/NDF: 1622741.5/20


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−6
30
25
20
15
10
5
0
−5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:8.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
+ sign 0.000+/-0.000 χ²/NDF: 32.2/19
All: 0.000+/-0.000 χ²/NDF: 50.1/40
- sign 0.000+/-0.000 χ²/NDF: 17.4/20


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.002+/-0.000 χ²/NDF:18425.9/3
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:16520.5/1
+ sign 0.001+/-0.000 χ²/NDF: 1199025.4/19
All: 0.001+/-0.000 χ²/NDF: 8459306.5/40
- sign 0.001+/-0.000 χ²/NDF: 5421824.6/20



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.024+/-0.019 χ^2/NDF:6.7/3

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

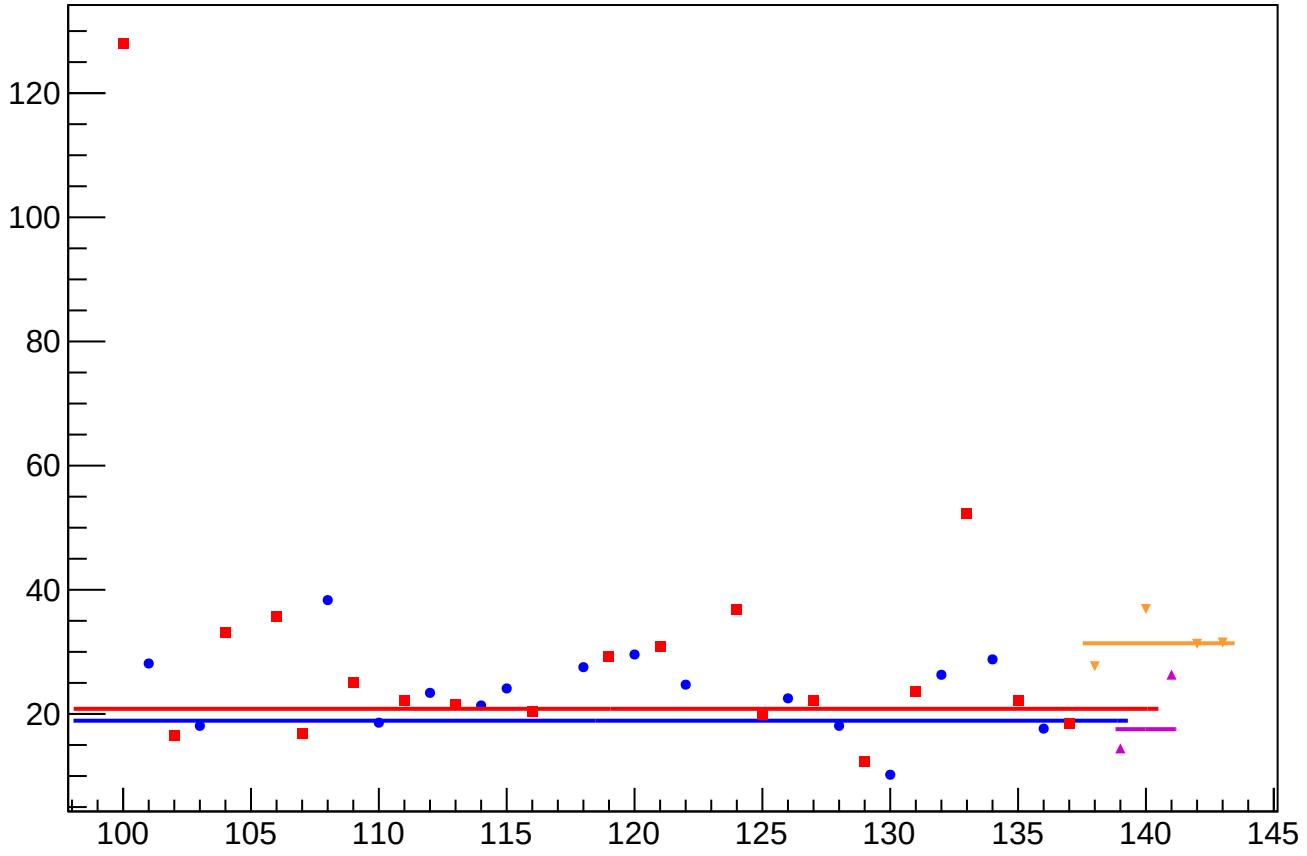
Left In: -0.001+/-0.015 χ^2/NDF:2.3/1

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/19

All: 0.008+/-0.005 χ^2/NDF: 48.2/40

- sign 0.017+/-0.007 χ^2/NDF: 15.1/20

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: 31.387+/-0.014 χ^2/NDF:57012.6/3

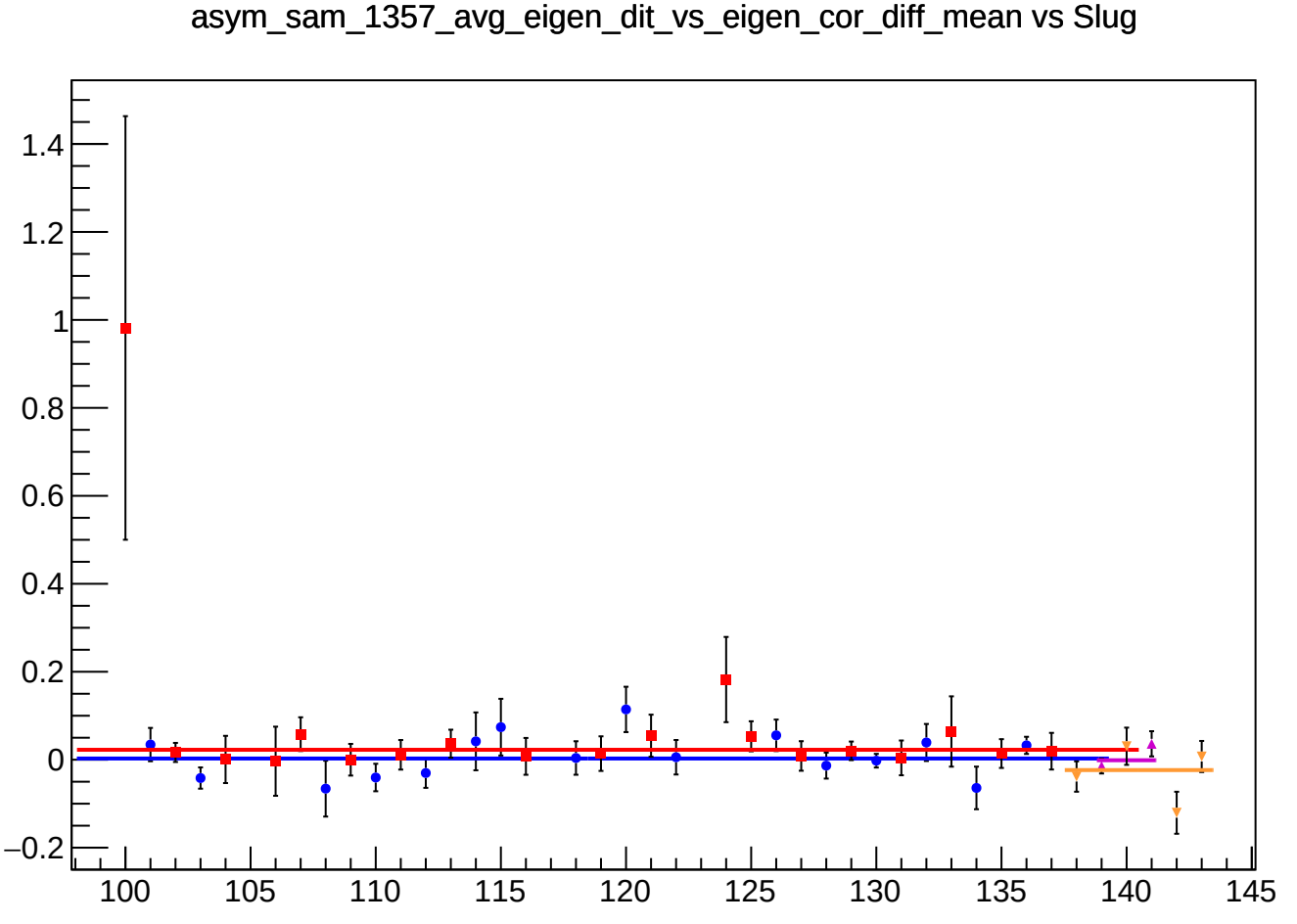
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 17.548+/-0.010 χ^2/NDF:255485.3/1

+ sign 20.637+/-0.005 χ^2/NDF: 2153966.5/19

All: 20.323+/-0.004 χ^2/NDF: 3784254.4/40

- sign 20.003+/-0.005 χ^2/NDF: 1622694.4/20



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.024+/-0.019 χ^2/NDF:6.7/3

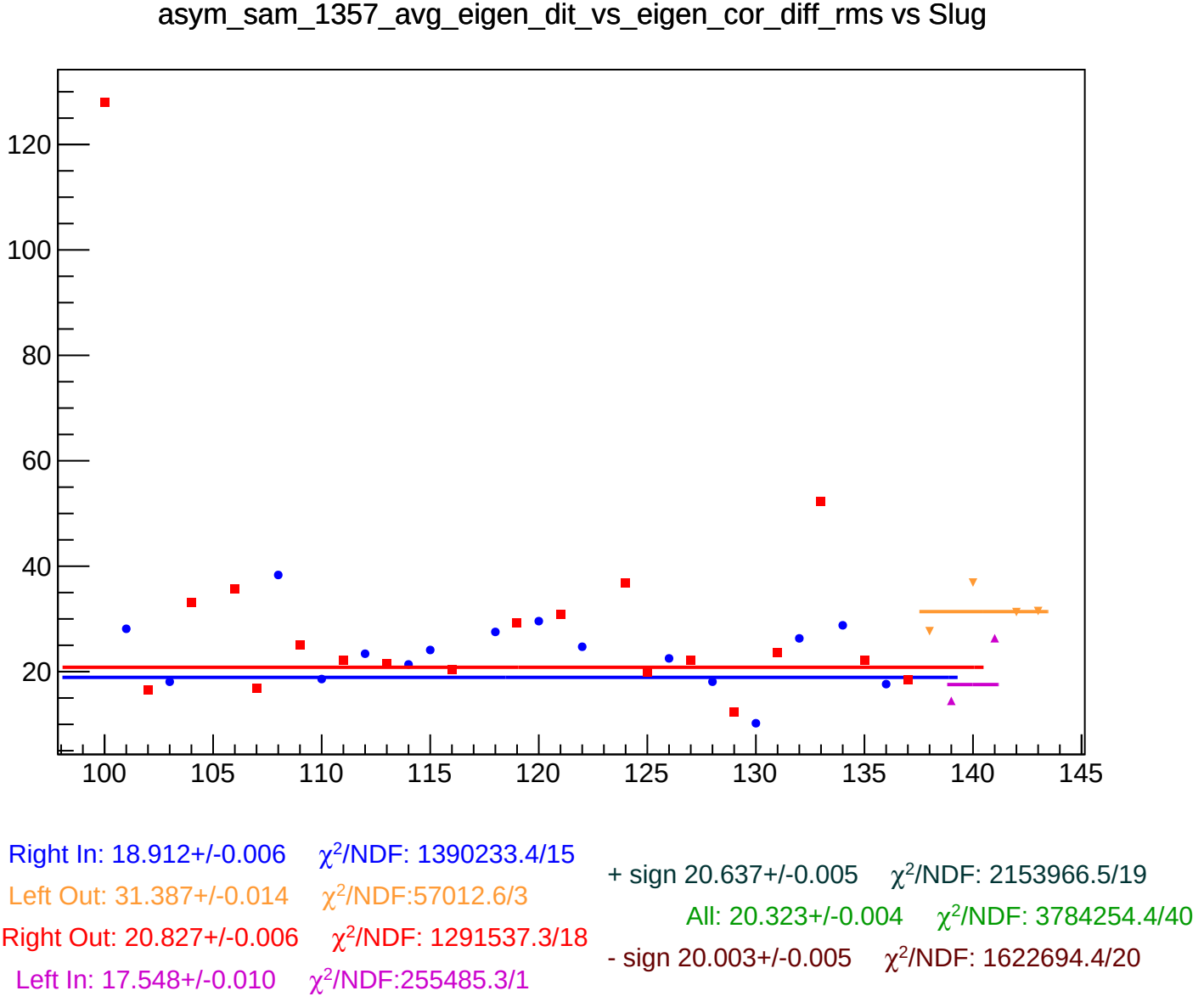
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

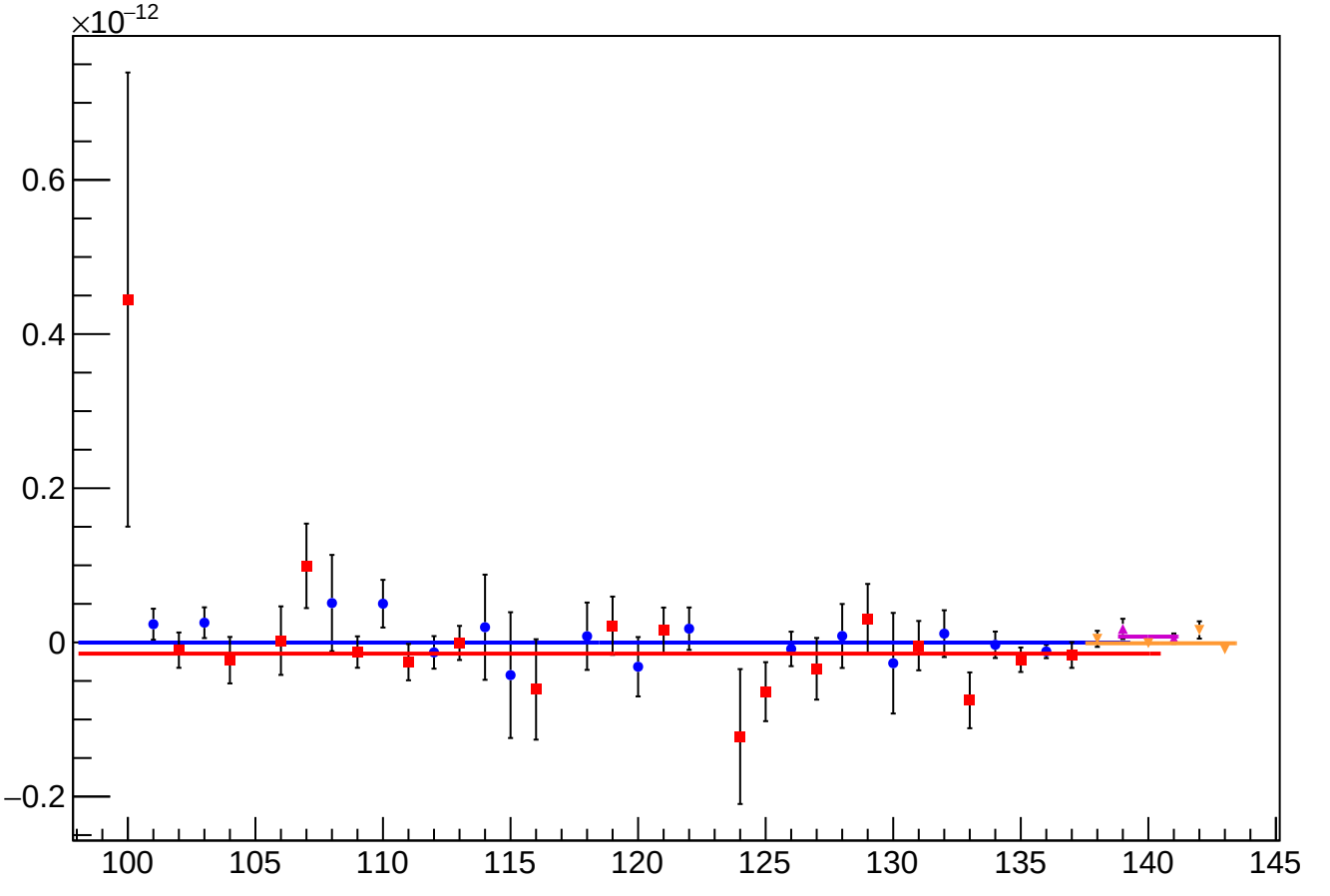
Left In: -0.001+/-0.015 χ^2/NDF:2.3/1

+ sign -0.001+/-0.007 χ^2/NDF: 30.2/19

All: 0.008+/-0.005 χ^2/NDF: 48.2/40

- sign 0.017+/-0.007 χ^2/NDF: 15.1/20


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: 31.387+/-0.014 χ2/NDF:57012.6/3
Right Out: 20.827+/-0.006 χ2/NDF: 1291537.3/18
Left In: 17.548+/-0.010 χ2/NDF:255485.3/1
+ sign 20.637+/-0.005 χ2/NDF: 2153966.5/19
All: 20.323+/-0.004 χ2/NDF: 3784254.4/40
- sign 20.003+/-0.005 χ2/NDF: 1622694.4/20



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/3

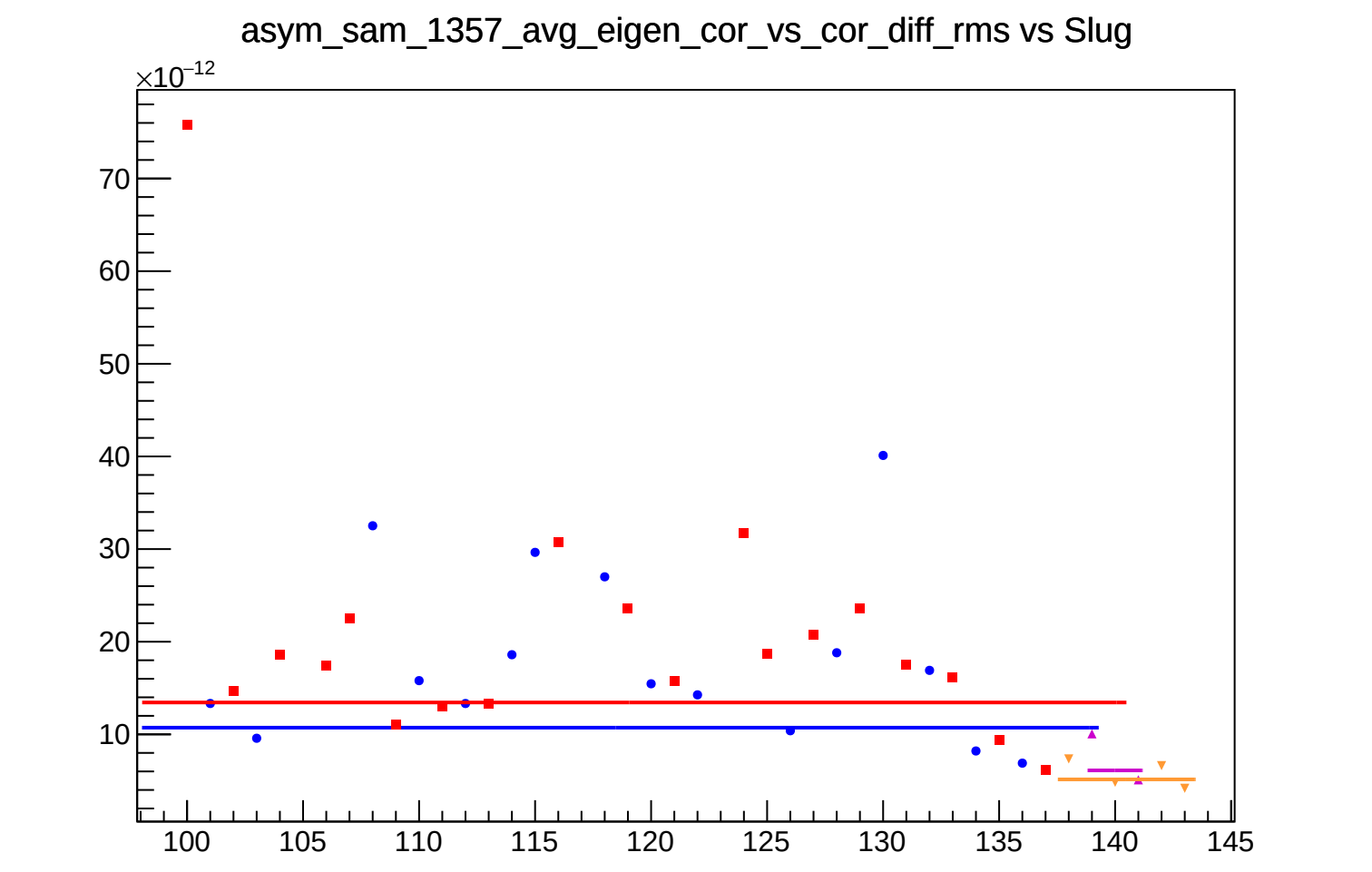
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

+ sign -0.000+/-0.000 χ^2/NDF: 14.7/19

All: -0.000+/-0.000 χ^2/NDF: 39.4/40

- sign -0.000+/-0.000 χ^2/NDF: 24.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:176029.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

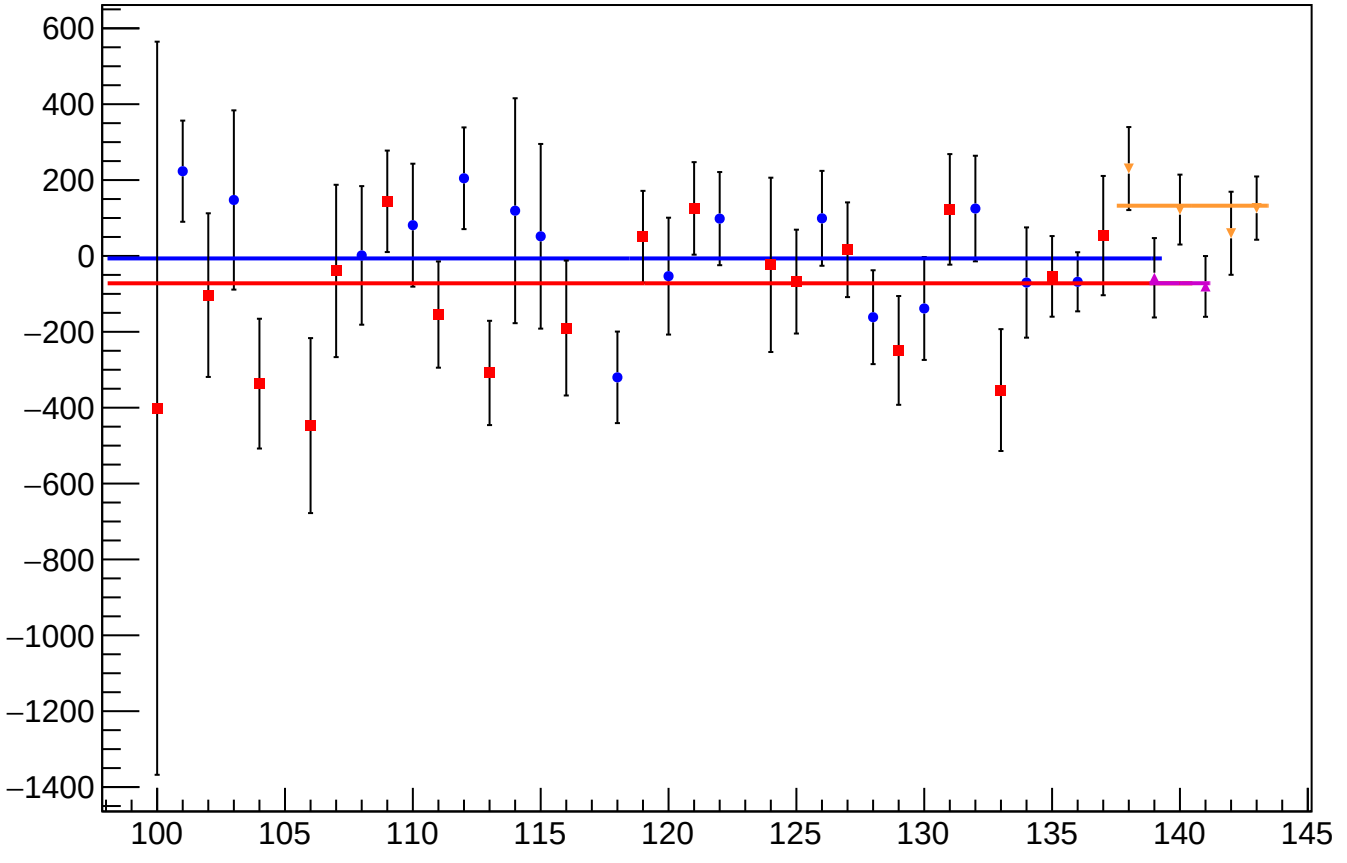
Left In: 0.000+/-0.000 χ^2/NDF:227418.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 3370153.3/19

All: 0.000+/-0.000 χ^2/NDF: 6811566.8/40

- sign 0.000+/-0.000 χ^2/NDF: 3009197.3/20

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 132.418+/-48.305 χ^2/NDF:1.3/3

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

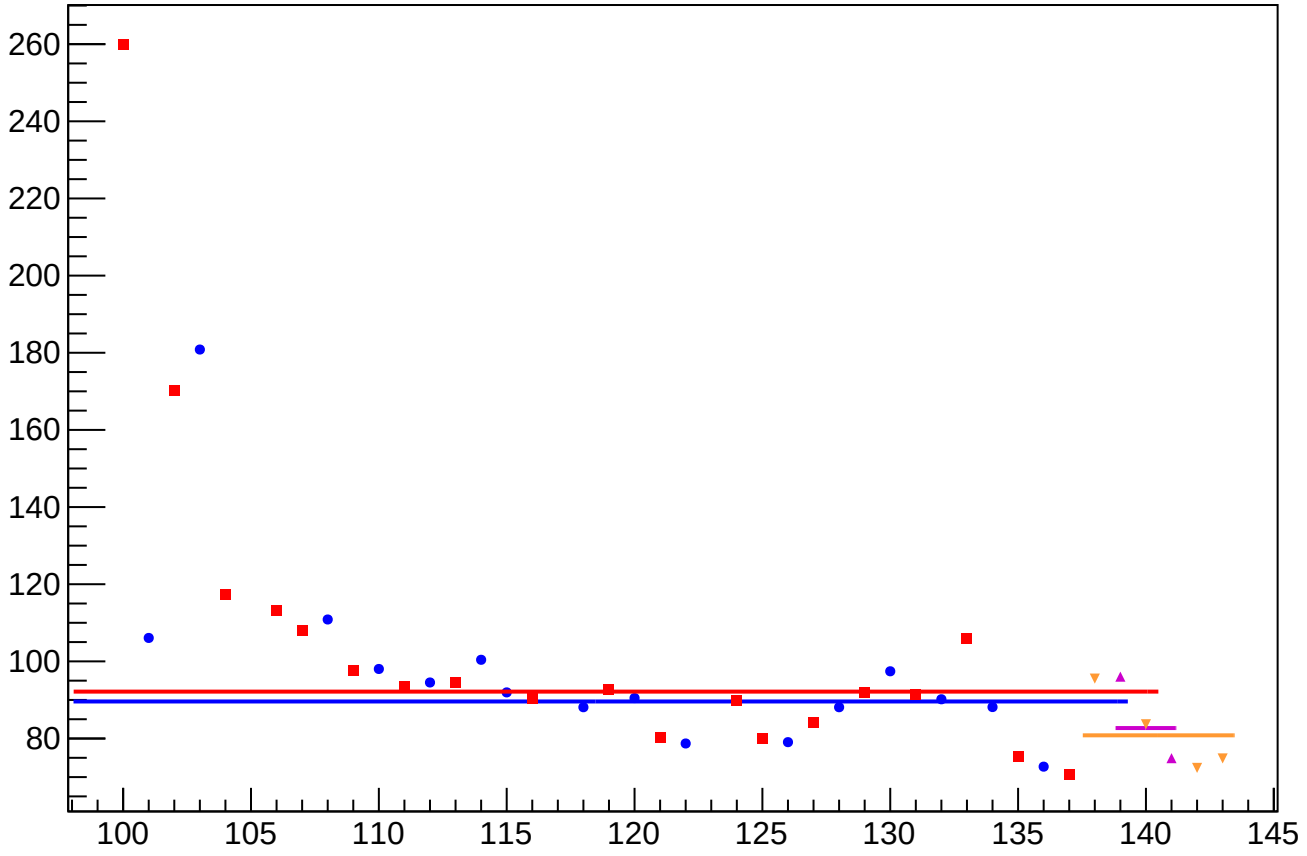
Left In: -71.940+/-63.609 χ^2/NDF:0.0/1

+ sign 40.001+/-27.959 χ^2/NDF: 25.7/19

All: -11.022+/-20.636 χ^2/NDF: 55.8/40

- sign -72.081+/-30.586 χ^2/NDF: 22.8/20

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

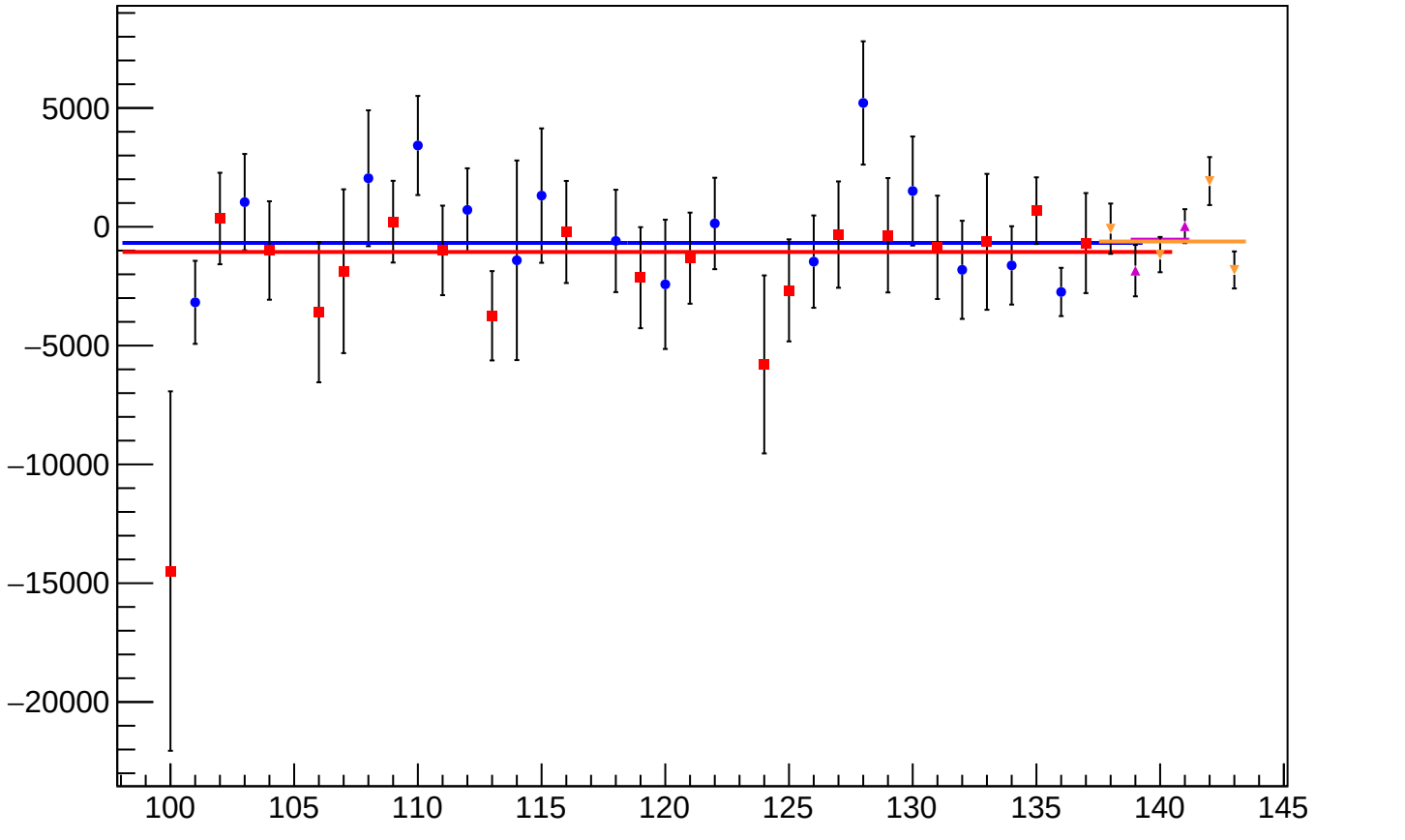
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 82.715+/-0.045 χ^2/NDF:51421.8/1

+ sign 86.664+/-0.020 χ^2/NDF: 602530.2/19

All: 88.172+/-0.015 χ^2/NDF: 1242723.8/40

- sign 89.977+/-0.022 χ^2/NDF: 627407.8/20



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -618.105+/-432.909 χ^2/NDF:9.5/3

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

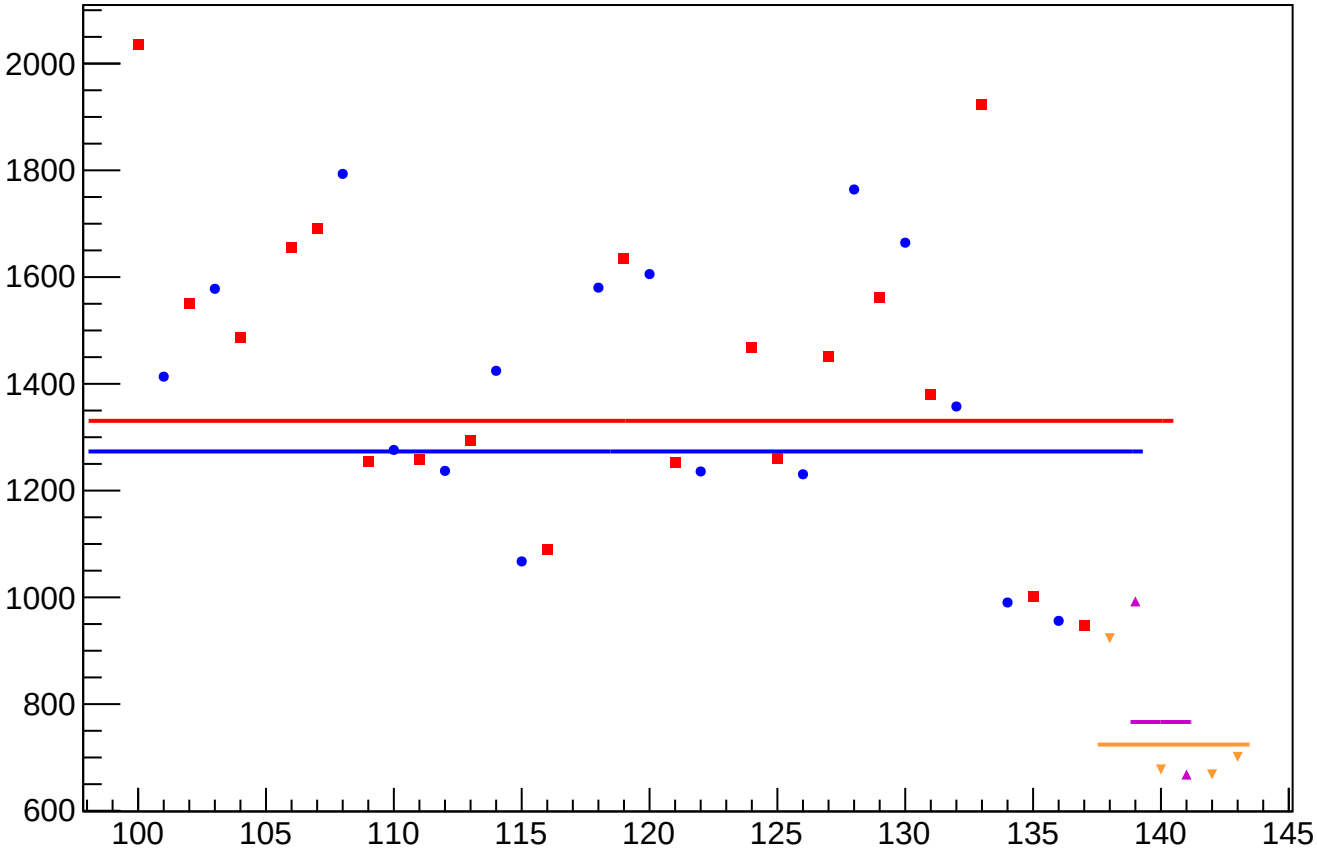
Left In: -540.870+/-595.634 χ^2/NDF:2.1/1

+ sign -644.301+/-323.401 χ^2/NDF: 29.8/19

All: -728.903+/-246.639 χ^2/NDF: 43.9/40

- sign -846.516+/-381.310 χ^2/NDF: 14.0/20

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 724.212+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

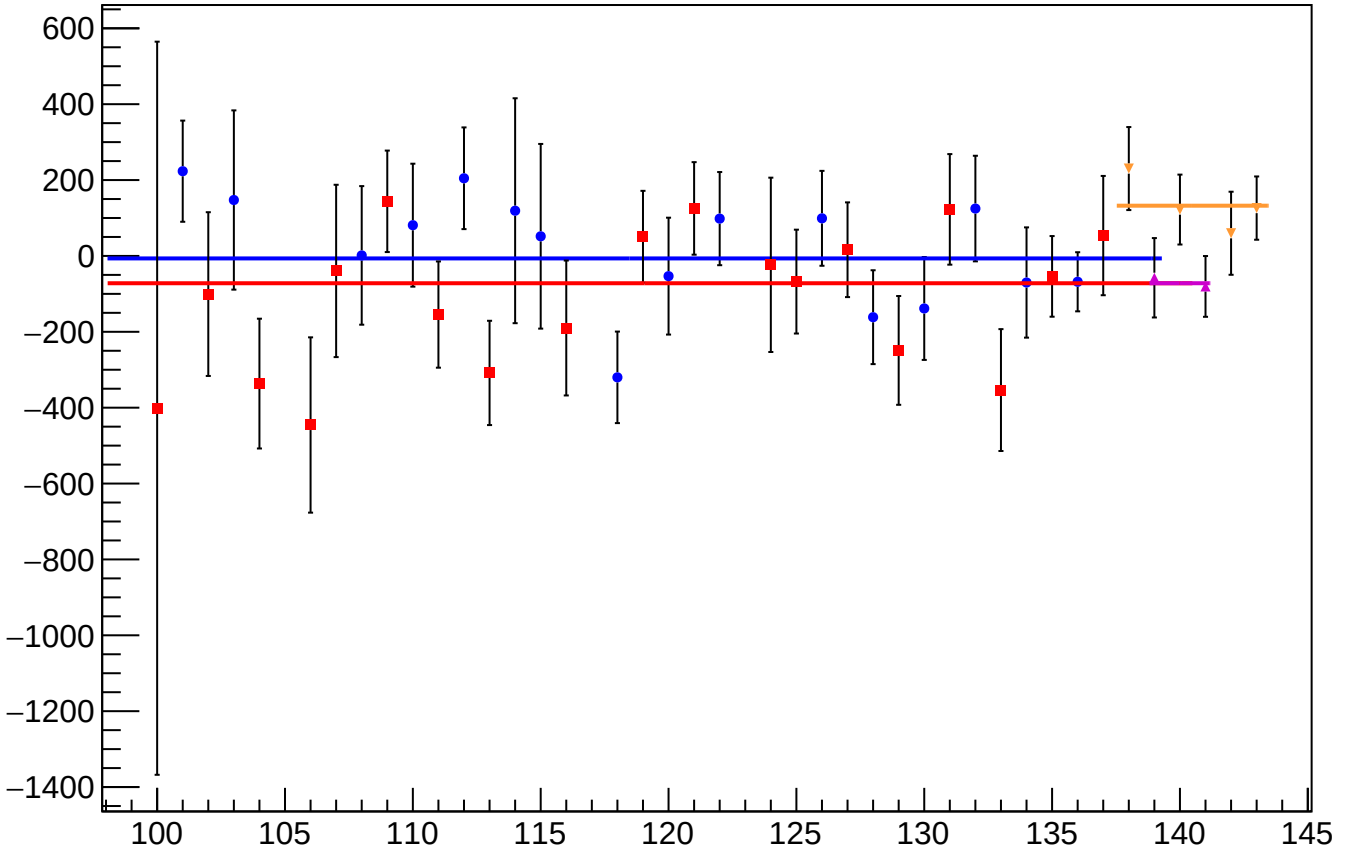
Left In: 766.513+/-0.421 χ^2/NDF:125385.0/1

+ sign 966.881+/-0.229 χ^2/NDF: 2106131.9/19

All: 1022.354+/-0.174 χ^2/NDF: 3901814.3/40

- sign 1099.472+/-0.270 χ^2/NDF: 1655030.8/20

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 132.428+/-48.305 χ^2/NDF:1.3/3

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

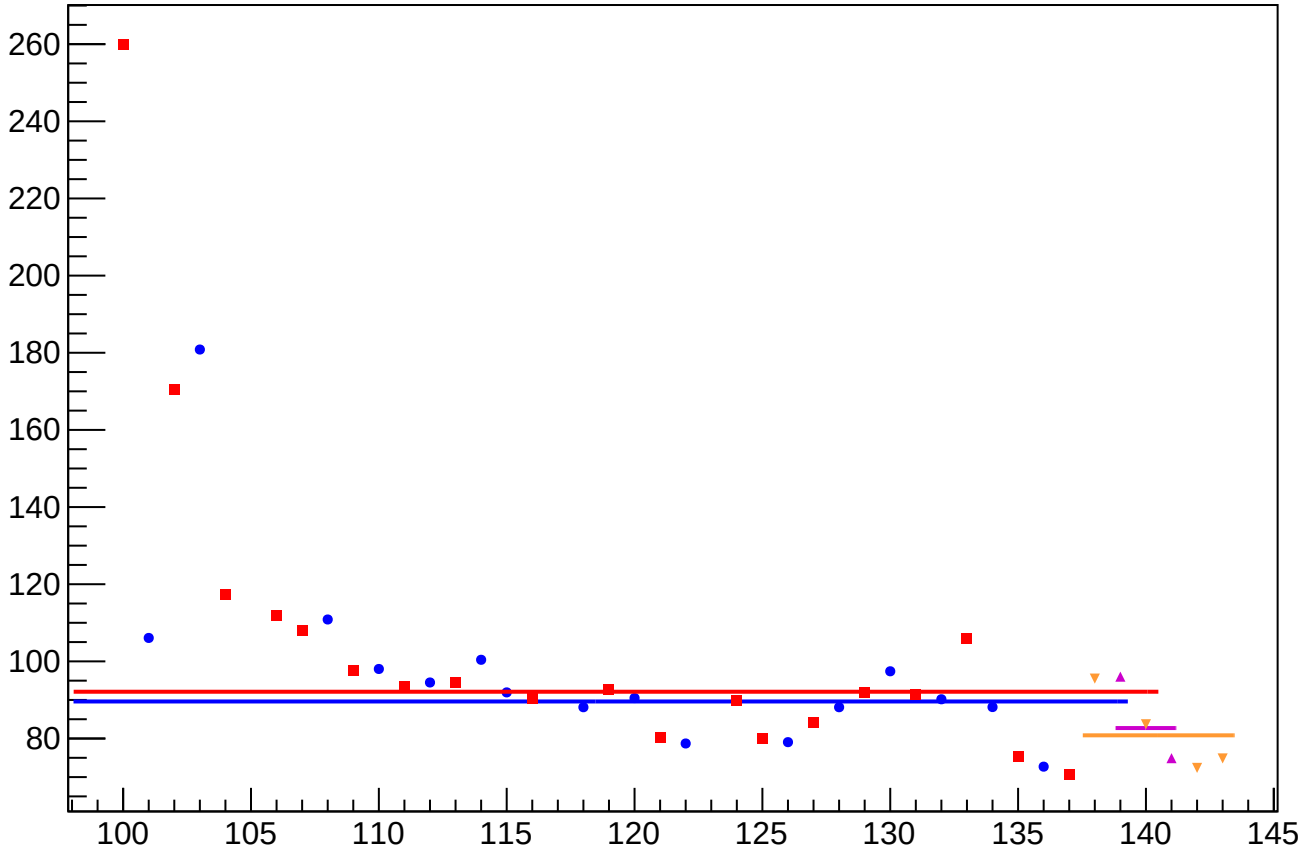
Left In: -71.951+/-63.609 χ^2/NDF:0.0/1

+ sign 39.998+/-27.959 χ^2/NDF: 25.7/19

All: -10.972+/-20.637 χ^2/NDF: 55.8/40

- sign -71.974+/-30.587 χ^2/NDF: 22.8/20

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

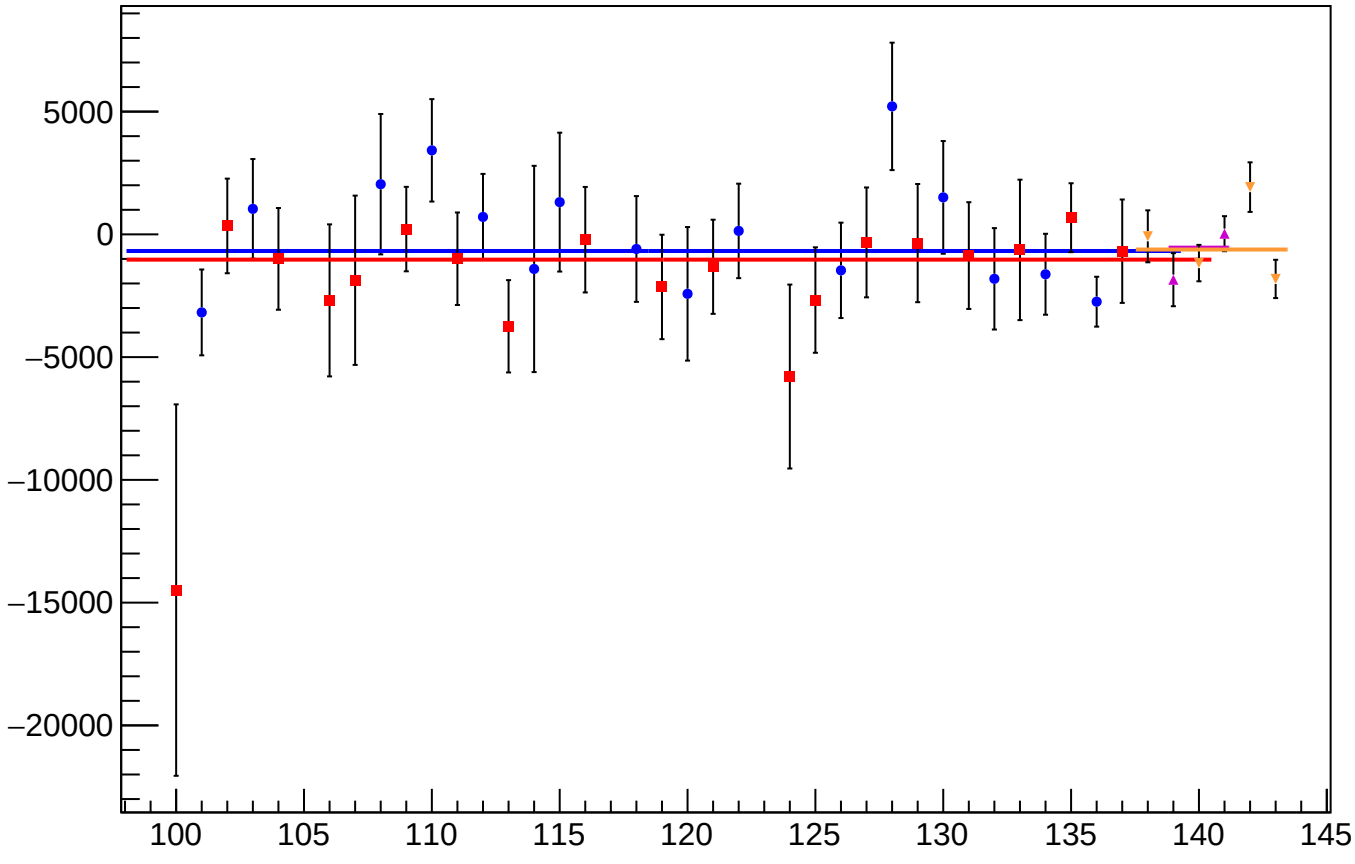
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 82.715+/-0.045 χ^2/NDF:51421.8/1

+ sign 86.664+/-0.020 χ^2/NDF: 602533.7/19

All: 88.161+/-0.015 χ^2/NDF: 1240543.0/40

- sign 89.952+/-0.022 χ^2/NDF: 625413.3/20



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -618.091+/-432.909 χ^2/NDF:9.5/3

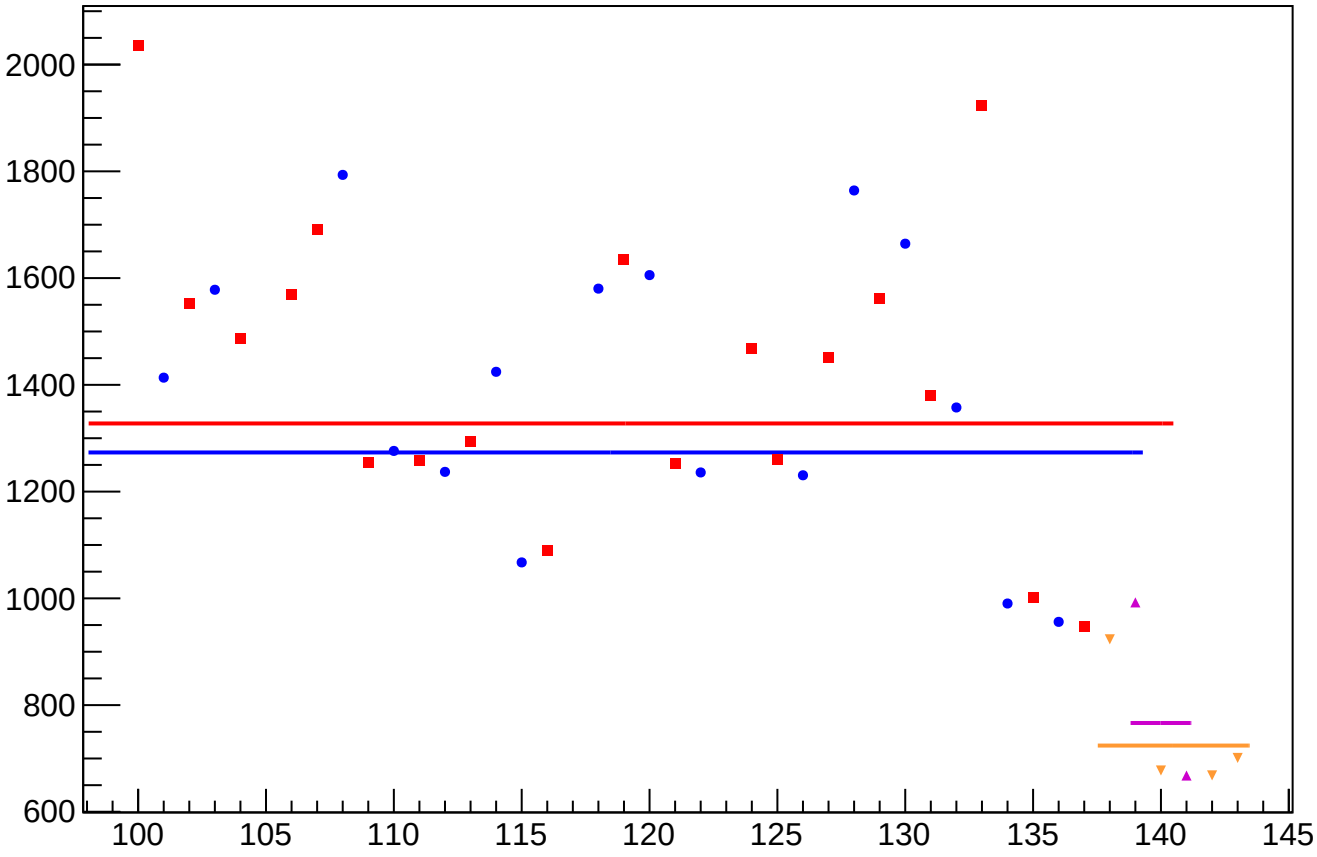
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -540.885+/-595.635 χ^2/NDF:2.1/1

+ sign -644.277+/-323.401 χ^2/NDF: 29.8/19

All: -721.437+/-246.721 χ^2/NDF: 43.4/40

- sign -828.874+/-381.613 χ^2/NDF: 13.5/20



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 724.211+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

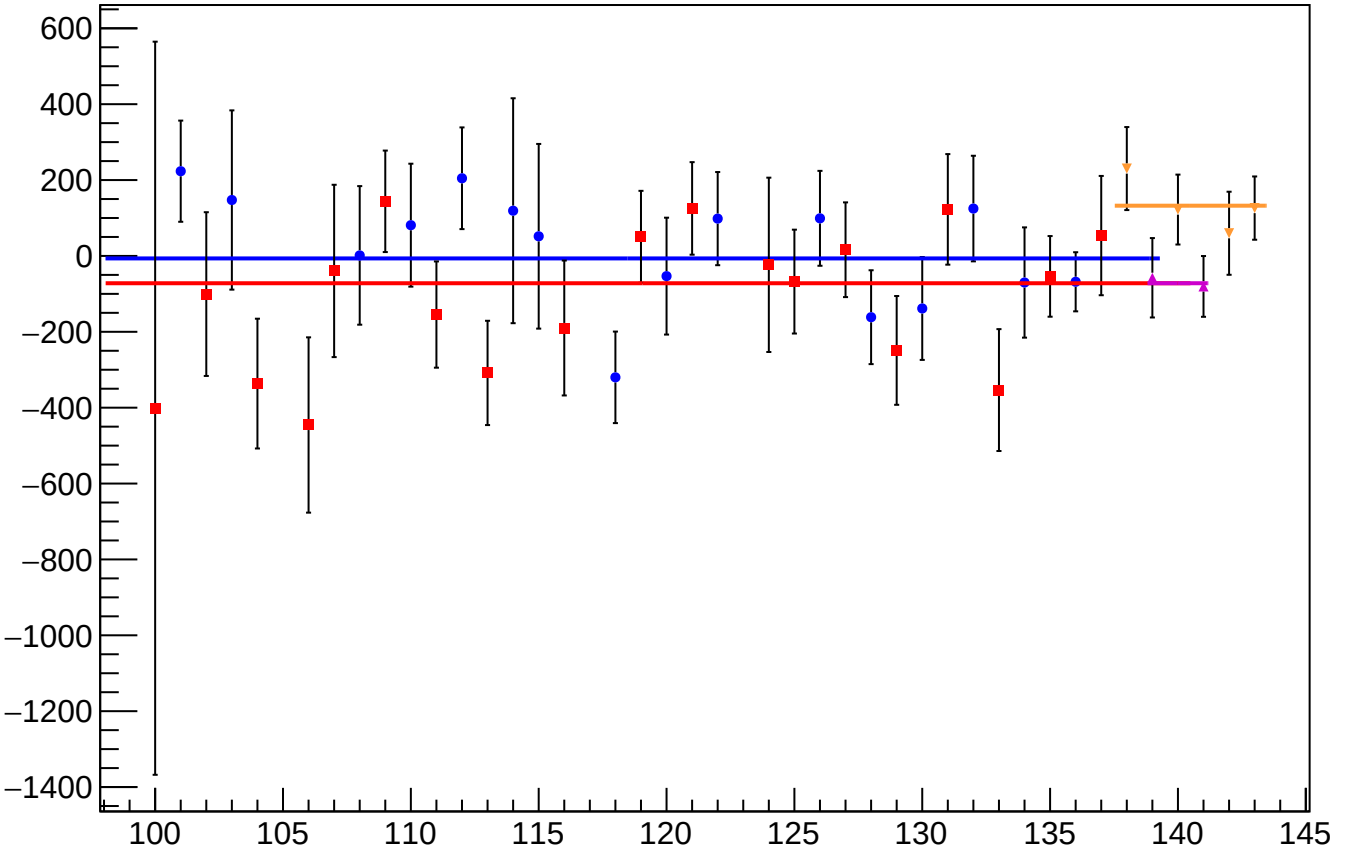
Left In: 766.514+/-0.421 χ^2/NDF:125383.7/1

+ sign 966.881+/-0.229 χ^2/NDF: 2106175.5/19

All: 1021.405+/-0.174 χ^2/NDF: 3872514.1/40

- sign 1097.324+/-0.270 χ^2/NDF: 1630332.9/20

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 132.428+/-48.305 χ^2/NDF:1.3/3

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

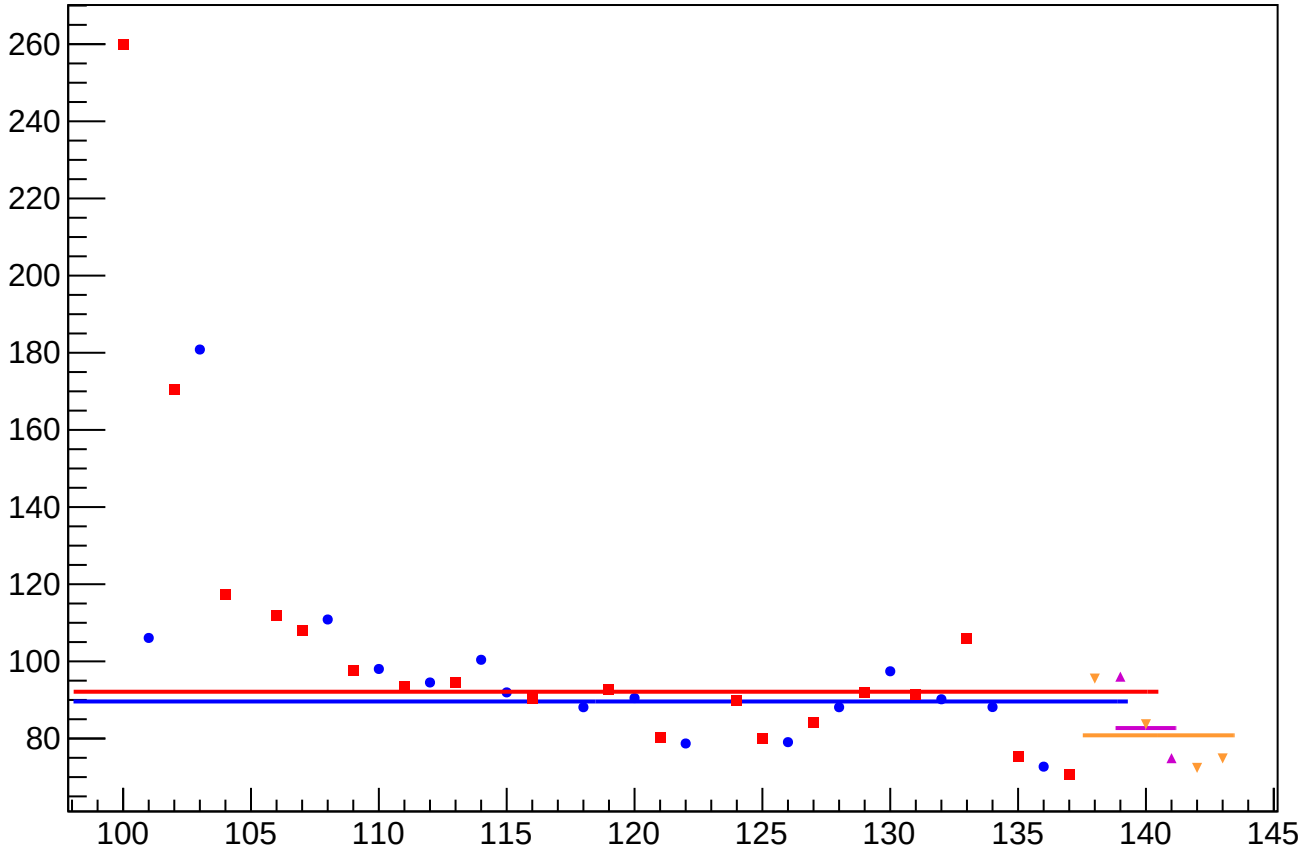
Left In: -71.951+/-63.609 χ^2/NDF:0.0/1

+ sign 39.998+/-27.959 χ^2/NDF: 25.7/19

All: -10.972+/-20.637 χ^2/NDF: 55.8/40

- sign -71.974+/-30.587 χ^2/NDF: 22.8/20

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

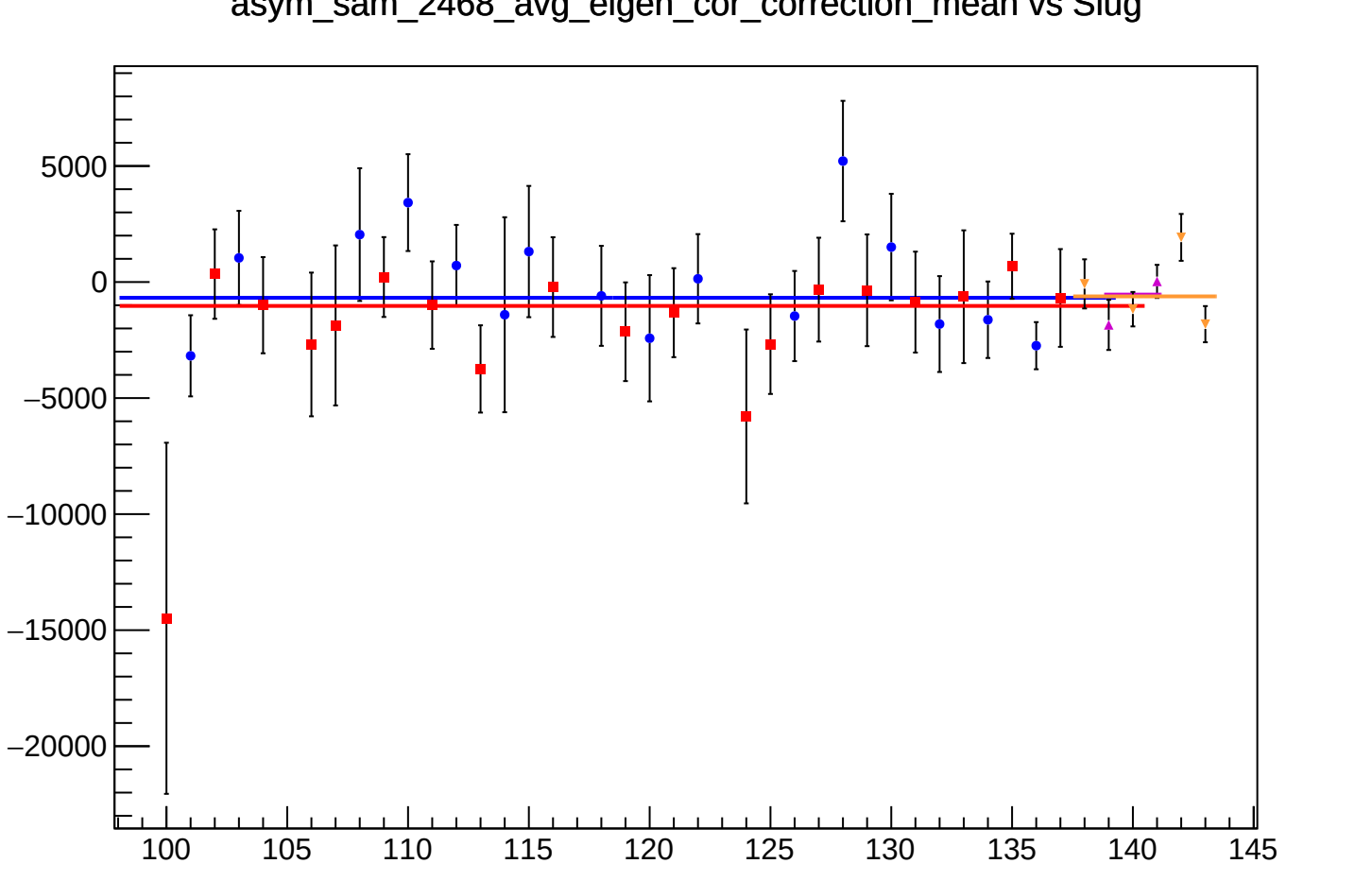
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 82.715+/-0.045 χ^2/NDF:51421.8/1

+ sign 86.664+/-0.020 χ^2/NDF: 602533.7/19

All: 88.161+/-0.015 χ^2/NDF: 1240543.0/40

- sign 89.952+/-0.022 χ^2/NDF: 625413.3/20



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -618.091+/-432.909 χ^2/NDF:9.5/3

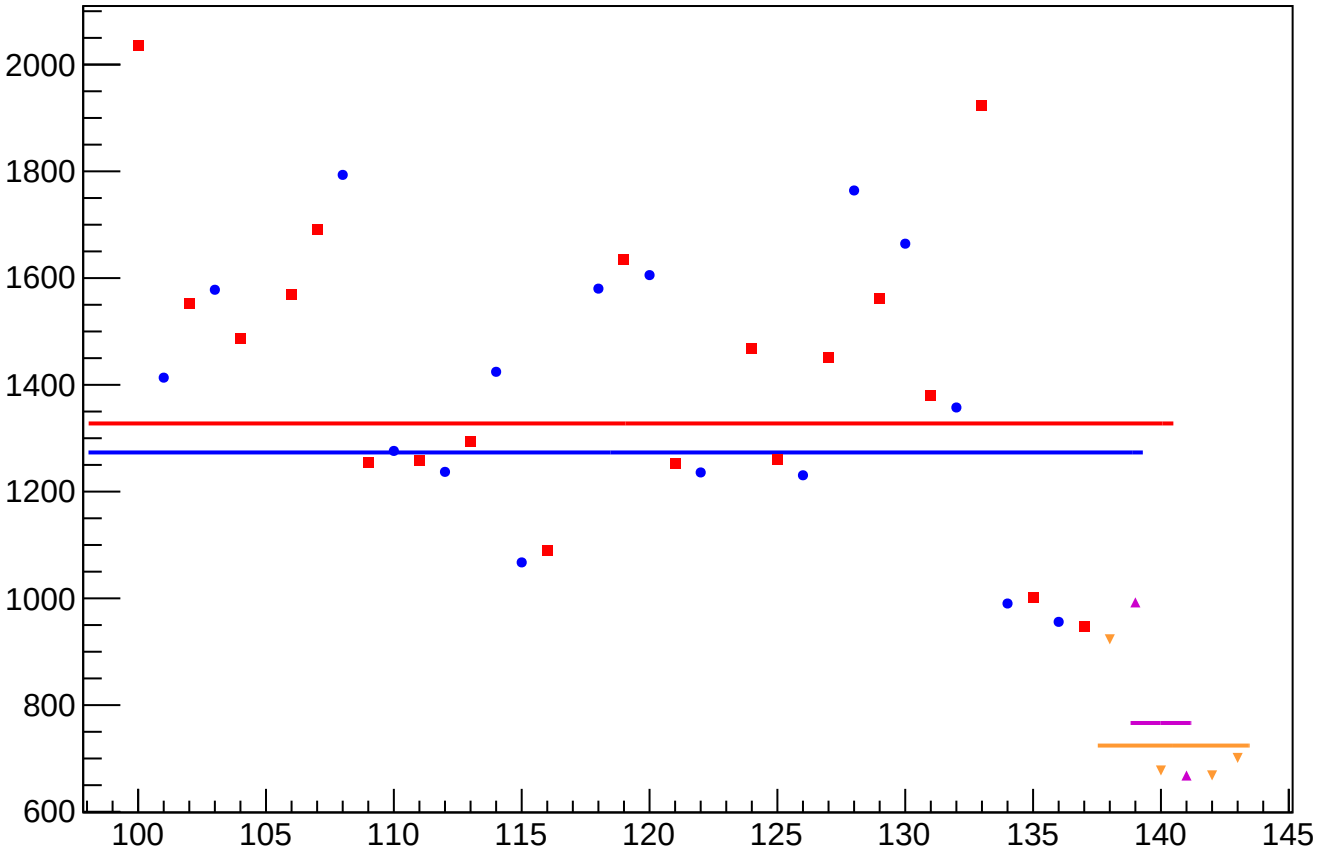
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -540.885+/-595.635 χ^2/NDF:2.1/1

+ sign -644.277+/-323.401 χ^2/NDF: 29.8/19

All: -721.437+/-246.721 χ^2/NDF: 43.4/40

- sign -828.874+/-381.613 χ^2/NDF: 13.5/20



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 724.211+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

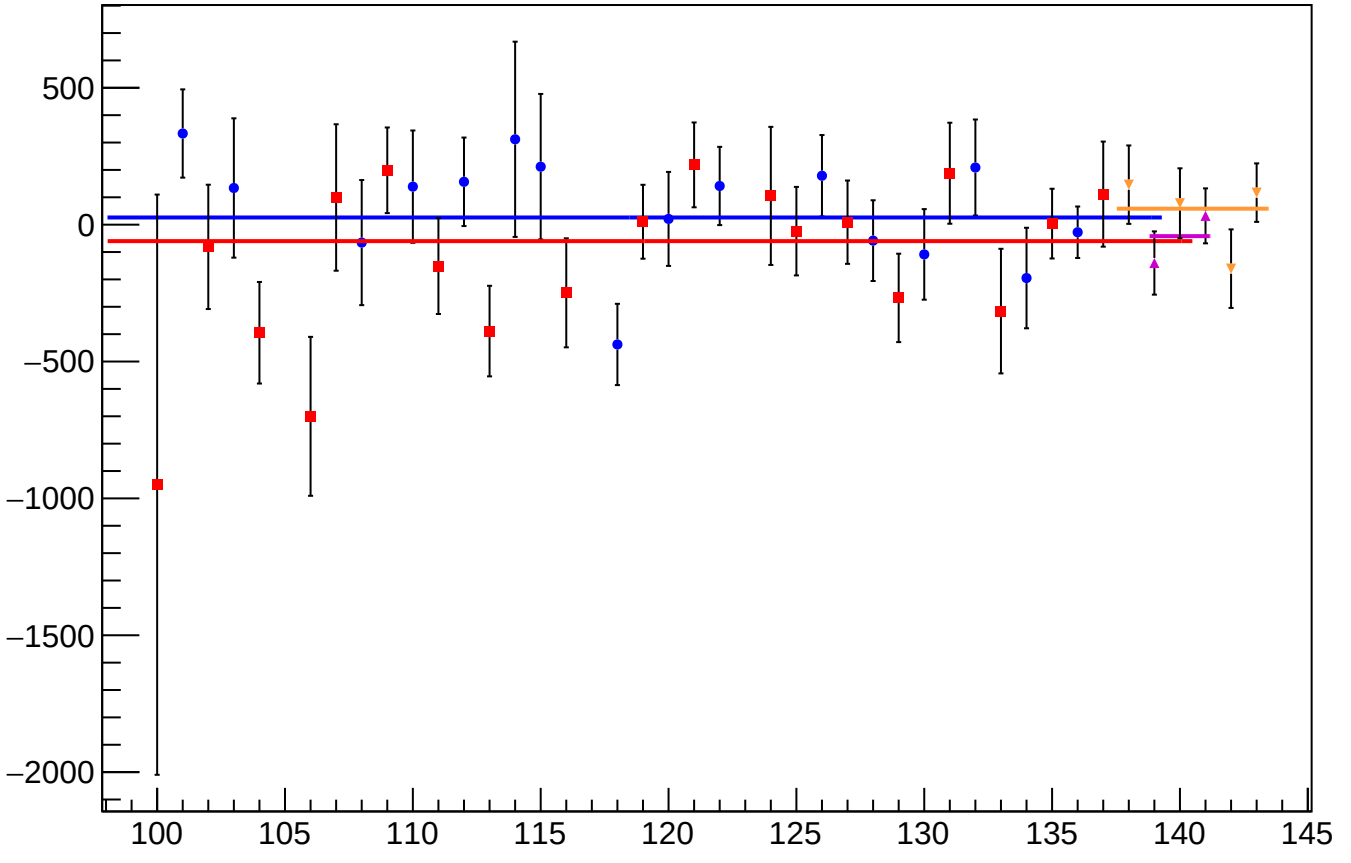
Left In: 766.514+/-0.421 χ^2/NDF:125383.7/1

+ sign 966.881+/-0.229 χ^2/NDF: 2106175.5/19

All: 1021.405+/-0.174 χ^2/NDF: 3872514.1/40

- sign 1097.324+/-0.270 χ^2/NDF: 1630332.9/20

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 58.360+/-63.713 χ^2/NDF:3.0/3

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

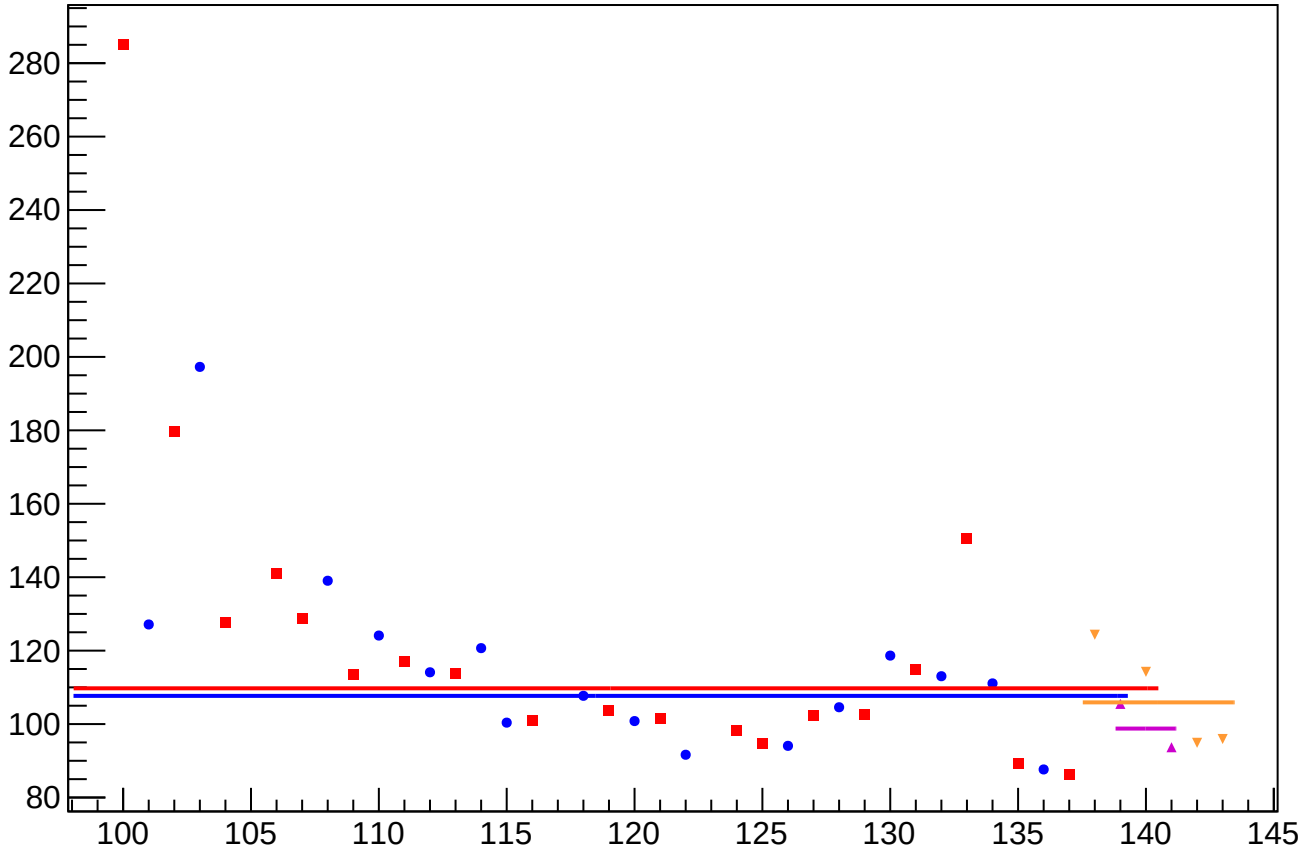
Left In: -41.928+/-75.806 χ^2/NDF:1.3/1

+ sign 35.725+/-34.608 χ^2/NDF: 24.6/19

All: -7.760+/-25.088 χ^2/NDF: 56.2/40

- sign -55.920+/-36.421 χ^2/NDF: 28.3/20

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 105.910+/-0.045 χ^2/NDF:70810.7/3

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

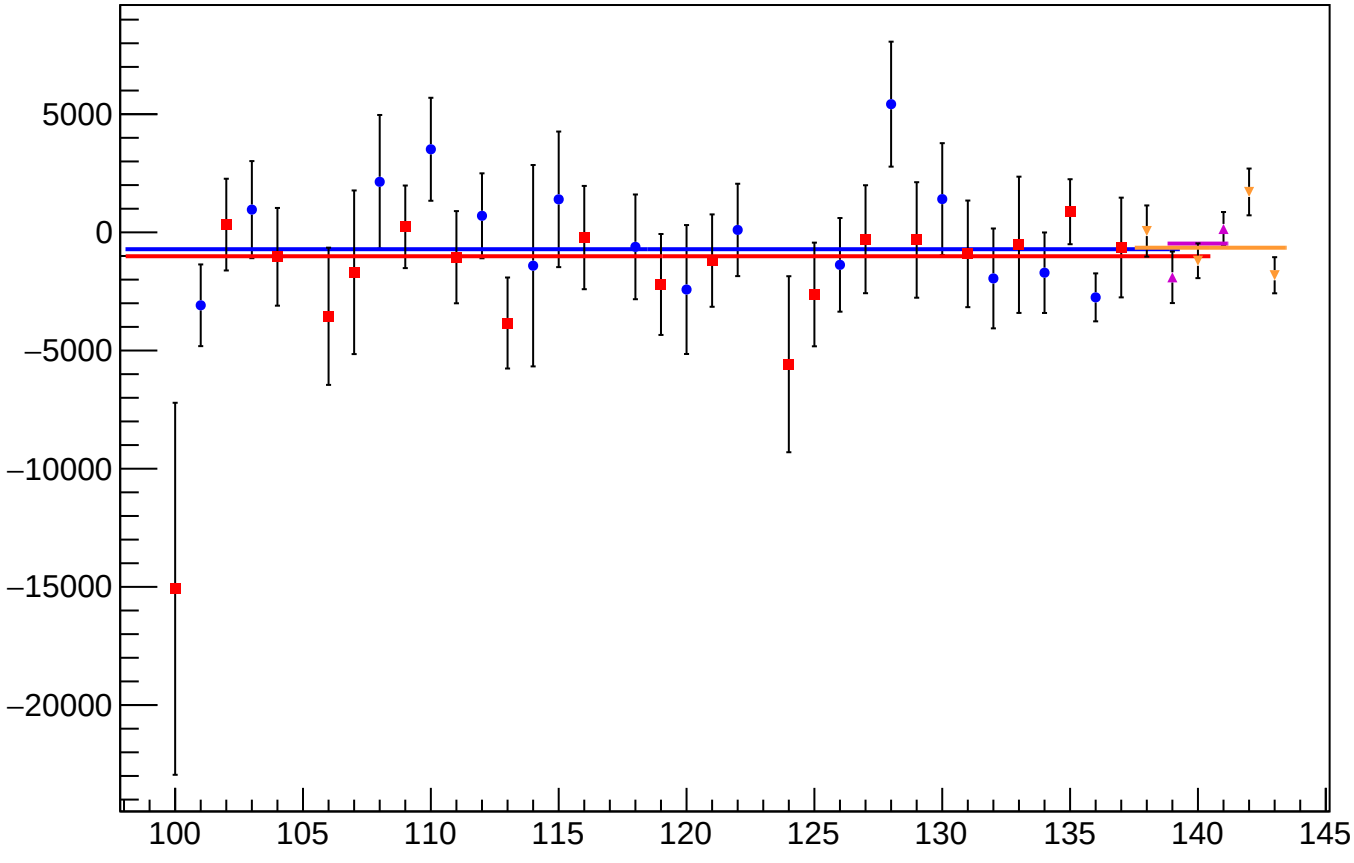
Left In: 98.774+/-0.054 χ^2/NDF:11892.7/1

+ sign 107.158+/-0.024 χ^2/NDF: 555023.8/19

All: 107.182+/-0.018 χ^2/NDF: 1090891.0/40

- sign 107.208+/-0.026 χ^2/NDF: 535865.1/20

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -650.013+/-428.981 χ^2/NDF:9.0/3

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

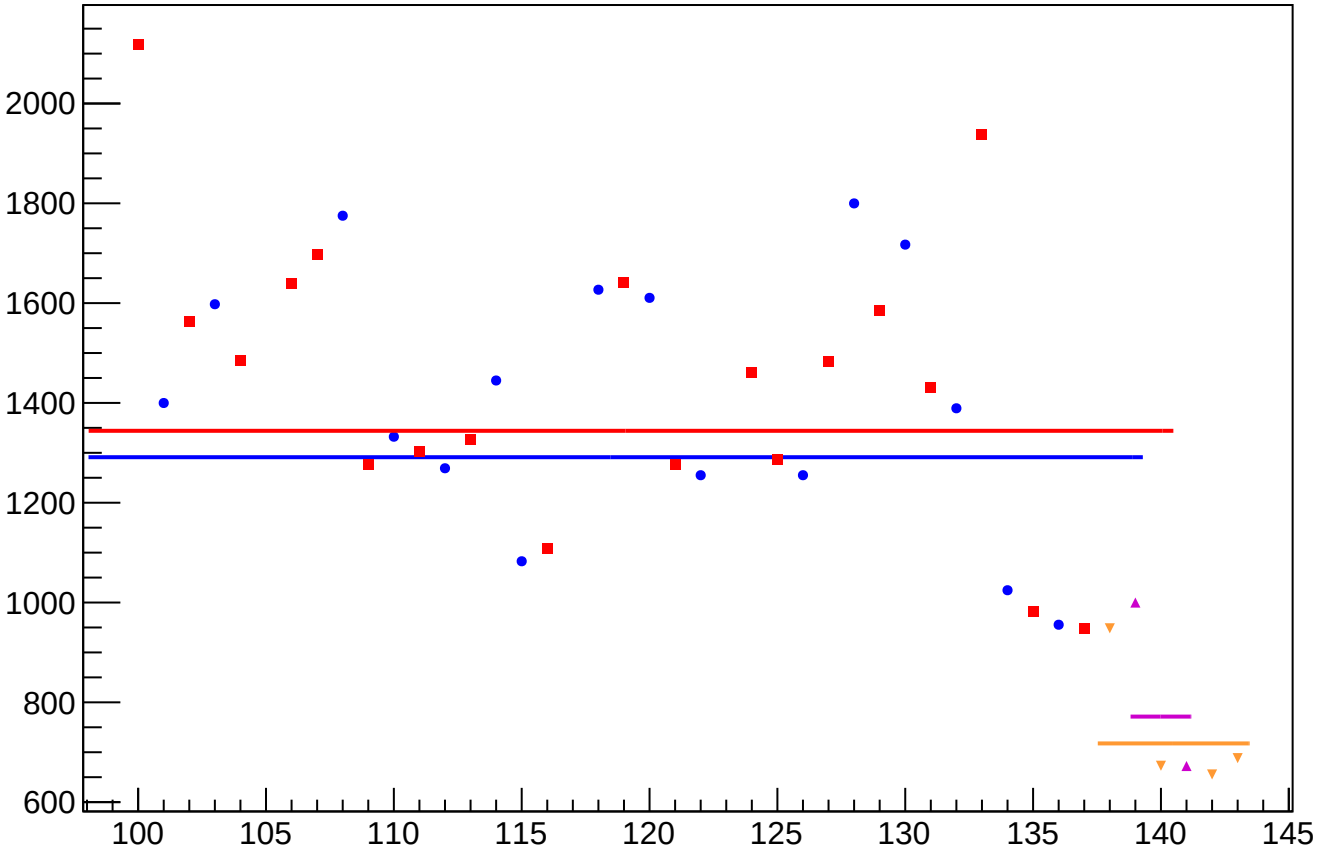
Left In: -475.378+/-599.173 χ^2/NDF:2.5/1

+ sign -677.089+/-323.690 χ^2/NDF: 29.1/19

All: -723.982+/-247.629 χ^2/NDF: 43.8/40

- sign -790.153+/-384.514 χ^2/NDF: 14.7/20

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 717.657+/-0.303 χ^2/NDF:109005.2/3

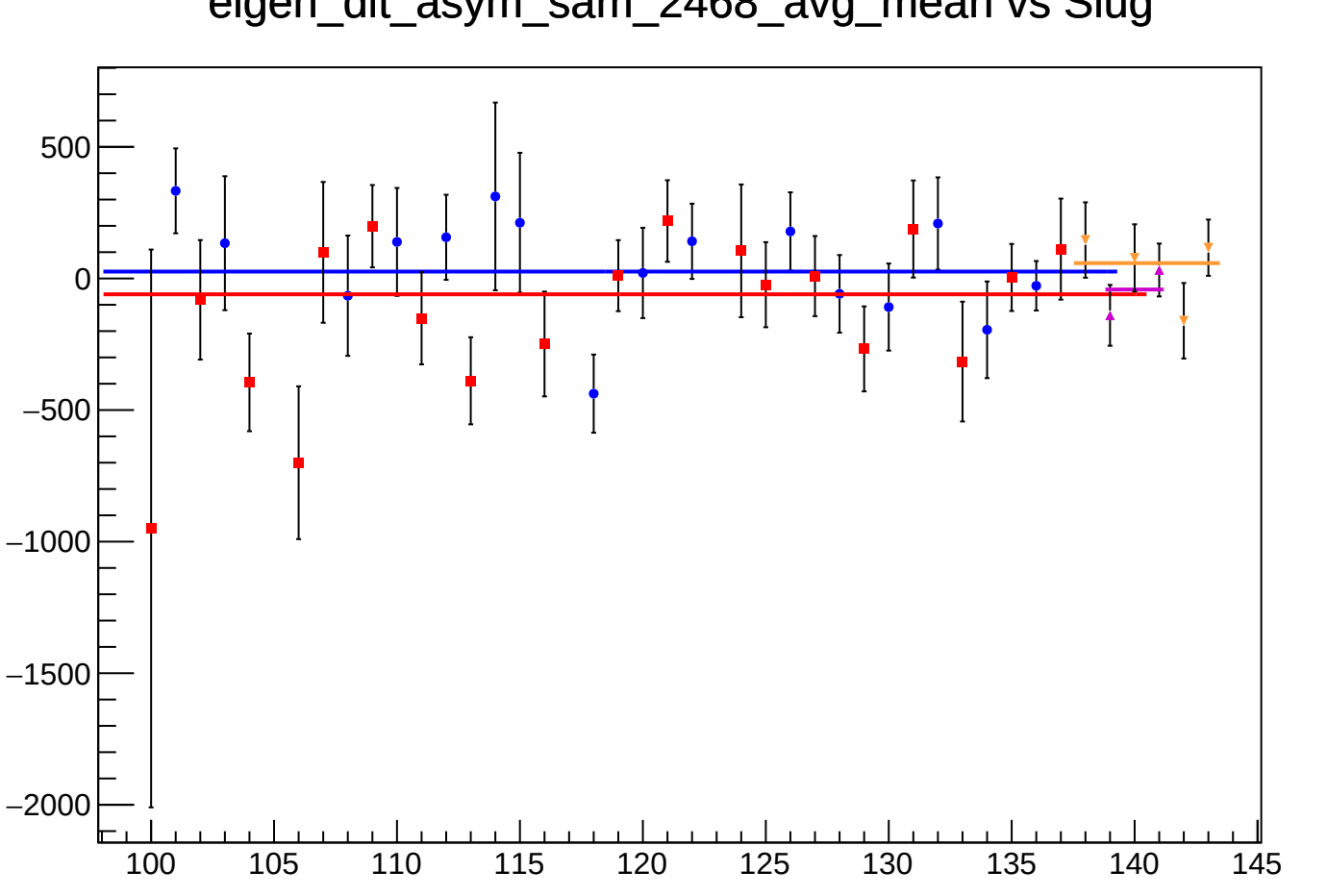
Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 771.426+/-0.424 χ^2/NDF:126079.4/1

+ sign 964.660+/-0.229 χ^2/NDF: 2259620.0/19

All: 1024.219+/-0.175 χ^2/NDF: 4114581.2/40

- sign 1108.265+/-0.272 χ^2/NDF: 1691697.5/20



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 58.361+/-63.713 χ^2/NDF:3.0/3

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

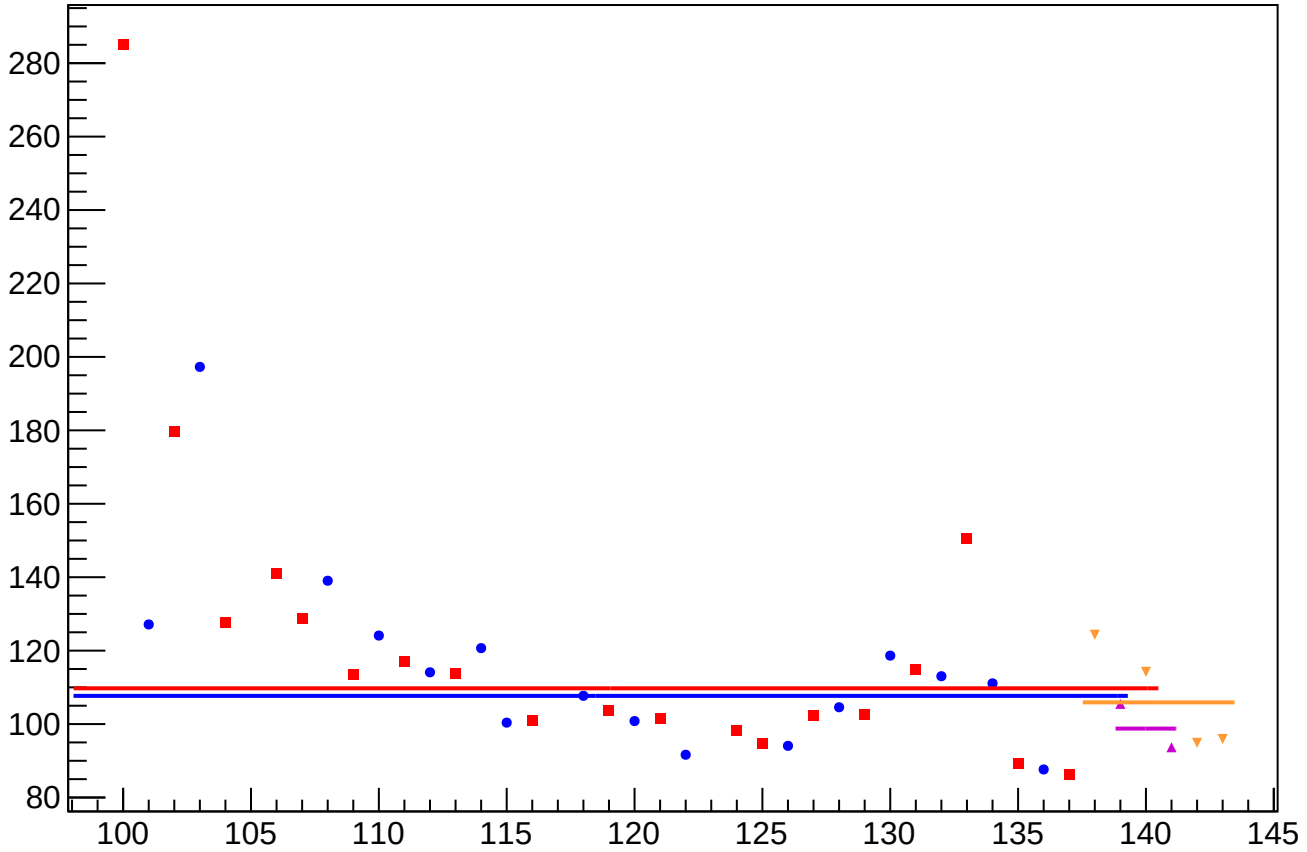
Left In: -41.927+/-75.806 χ^2/NDF:1.3/1

+ sign 35.726+/-34.608 χ^2/NDF: 24.6/19

All: -7.759+/-25.088 χ^2/NDF: 56.2/40

- sign -55.918+/-36.421 χ^2/NDF: 28.3/20

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 105.910+/-0.045 χ^2/NDF:70807.7/3

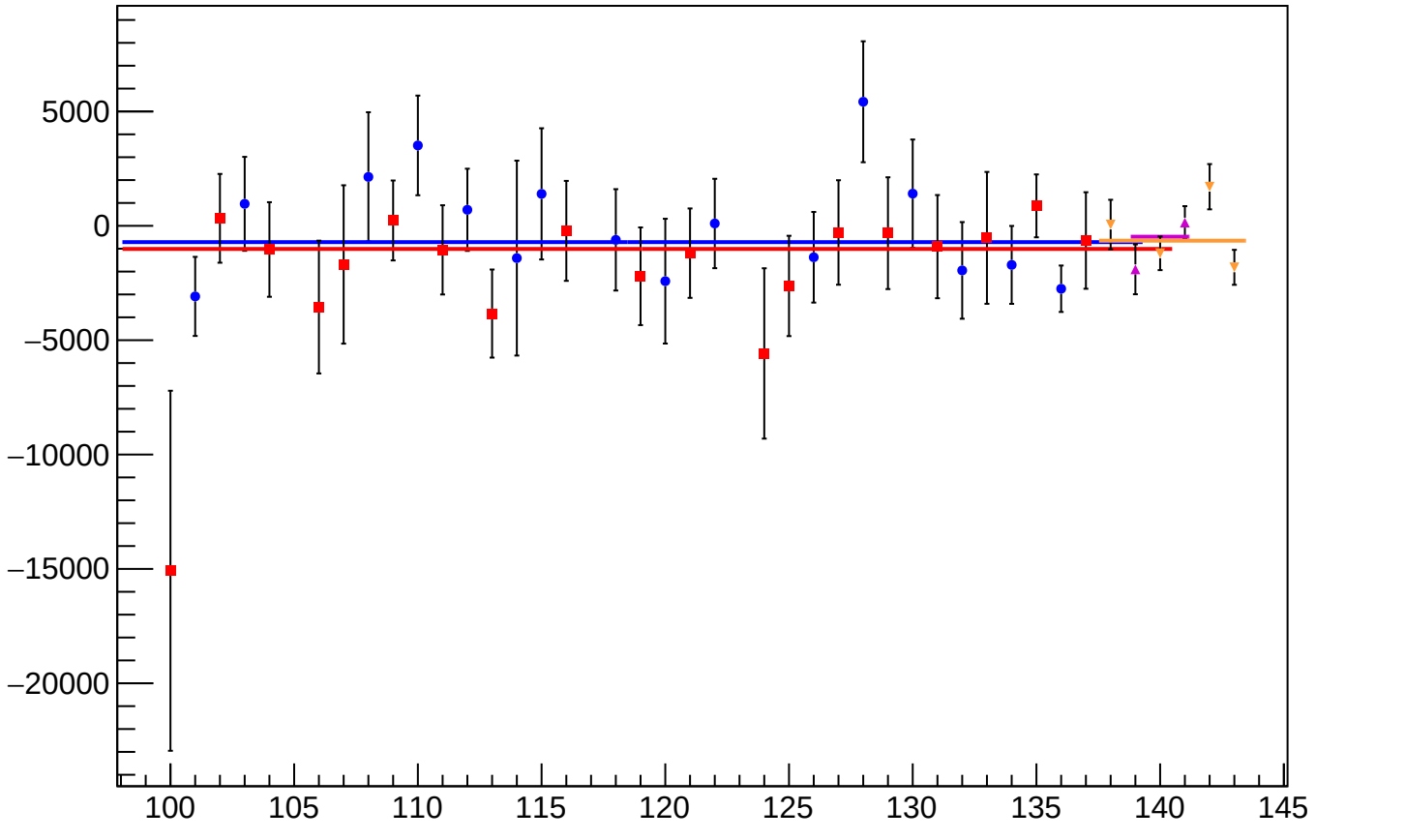
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 98.774+/-0.054 χ^2/NDF:11891.9/1

+ sign 107.157+/-0.024 χ^2/NDF: 555006.5/19

All: 107.181+/-0.018 χ^2/NDF: 1090866.1/40

- sign 107.208+/-0.026 χ^2/NDF: 535857.6/20



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -650.015+/-428.980 χ^2/NDF:9.0/3

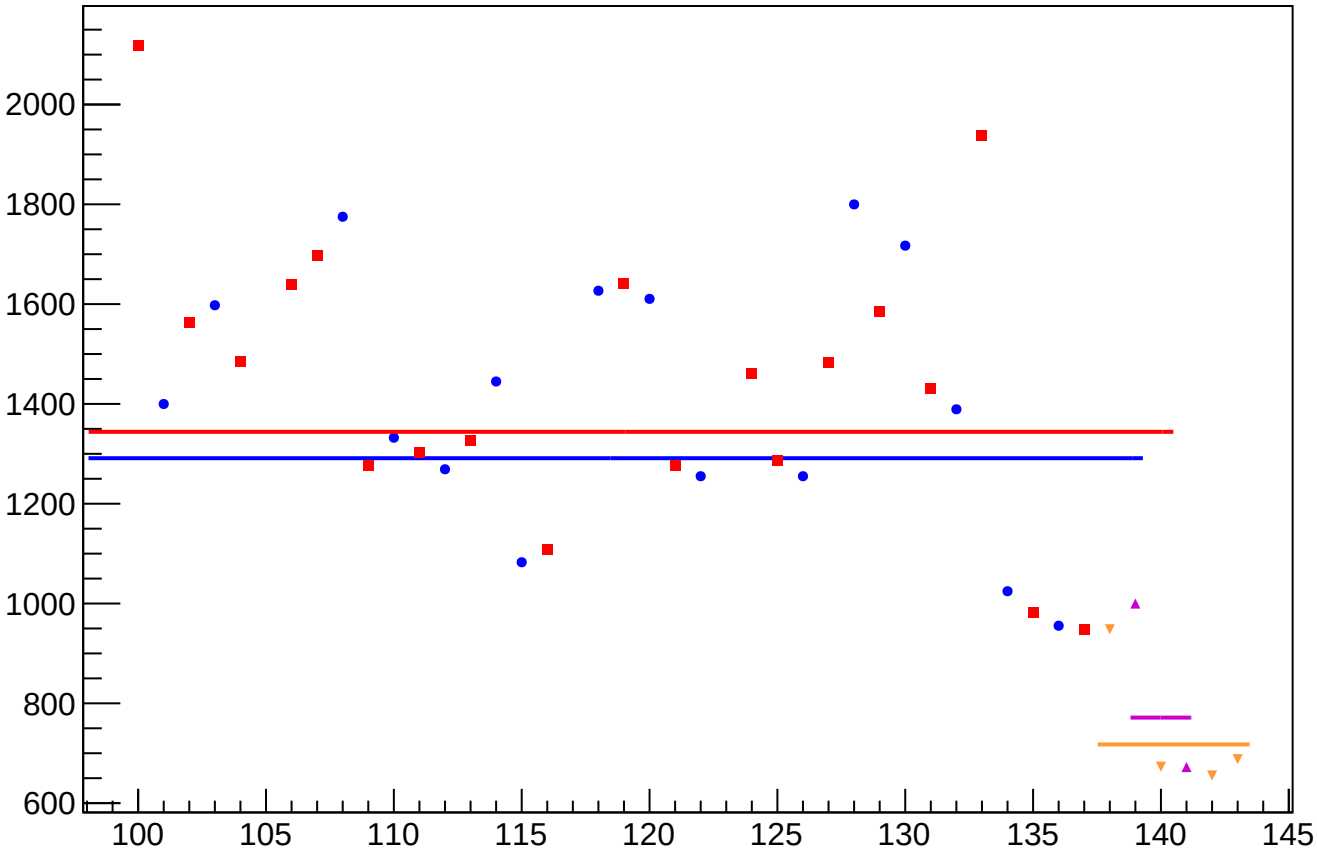
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -475.379+/-599.171 χ^2/NDF:2.5/1

+ sign -677.088+/-323.689 χ^2/NDF: 29.1/19

All: -723.981+/-247.629 χ^2/NDF: 43.8/40

- sign -790.153+/-384.513 χ^2/NDF: 14.7/20



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 717.656+/-0.303 χ^2/NDF:109002.9/3

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

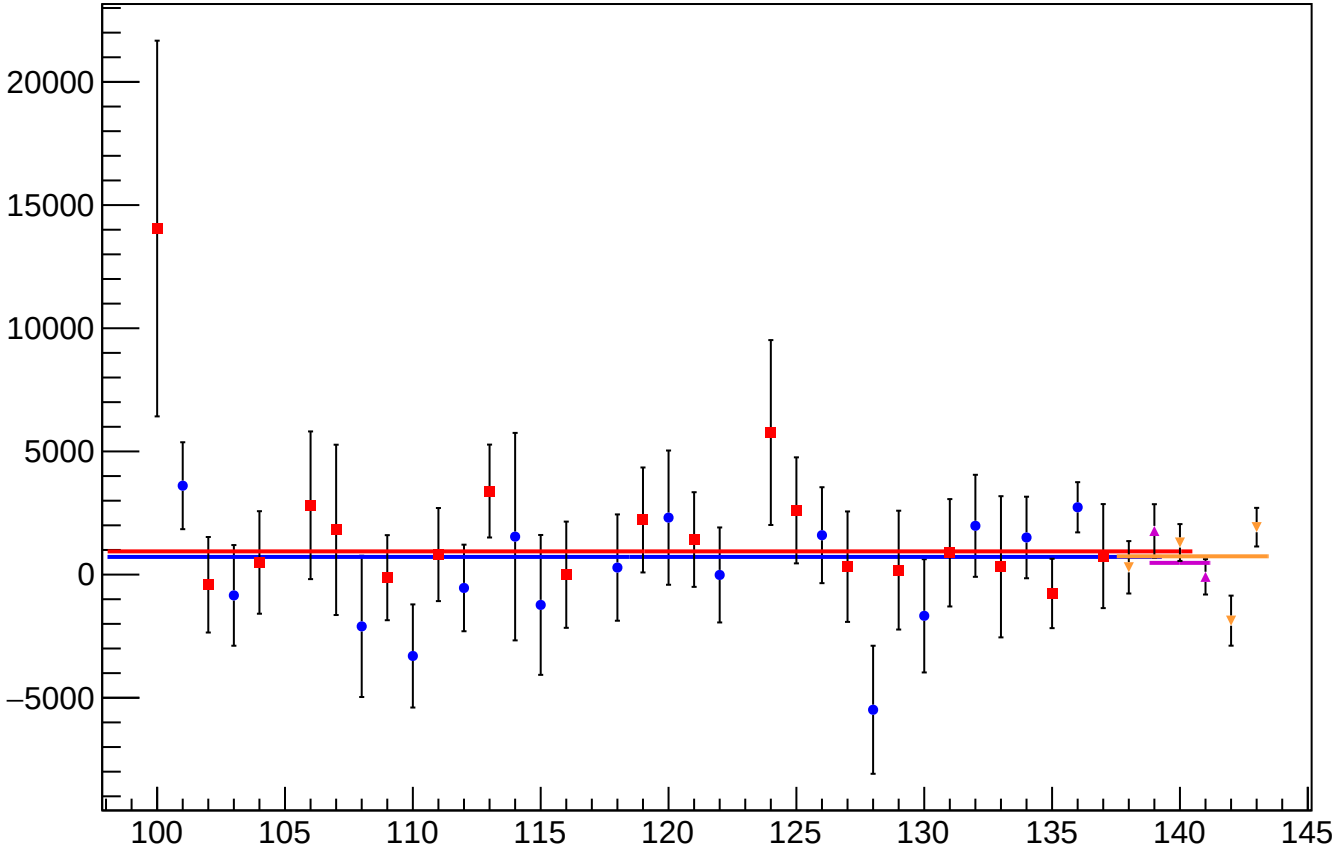
Left In: 771.424+/-0.424 χ^2/NDF:126079.0/1

+ sign 964.658+/-0.229 χ^2/NDF: 2259612.0/19

All: 1024.217+/-0.175 χ^2/NDF: 4114572.7/40

- sign 1108.262+/-0.272 χ^2/NDF: 1691699.1/20

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 742.440+/-435.730 χ^2/NDF:9.6/3

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

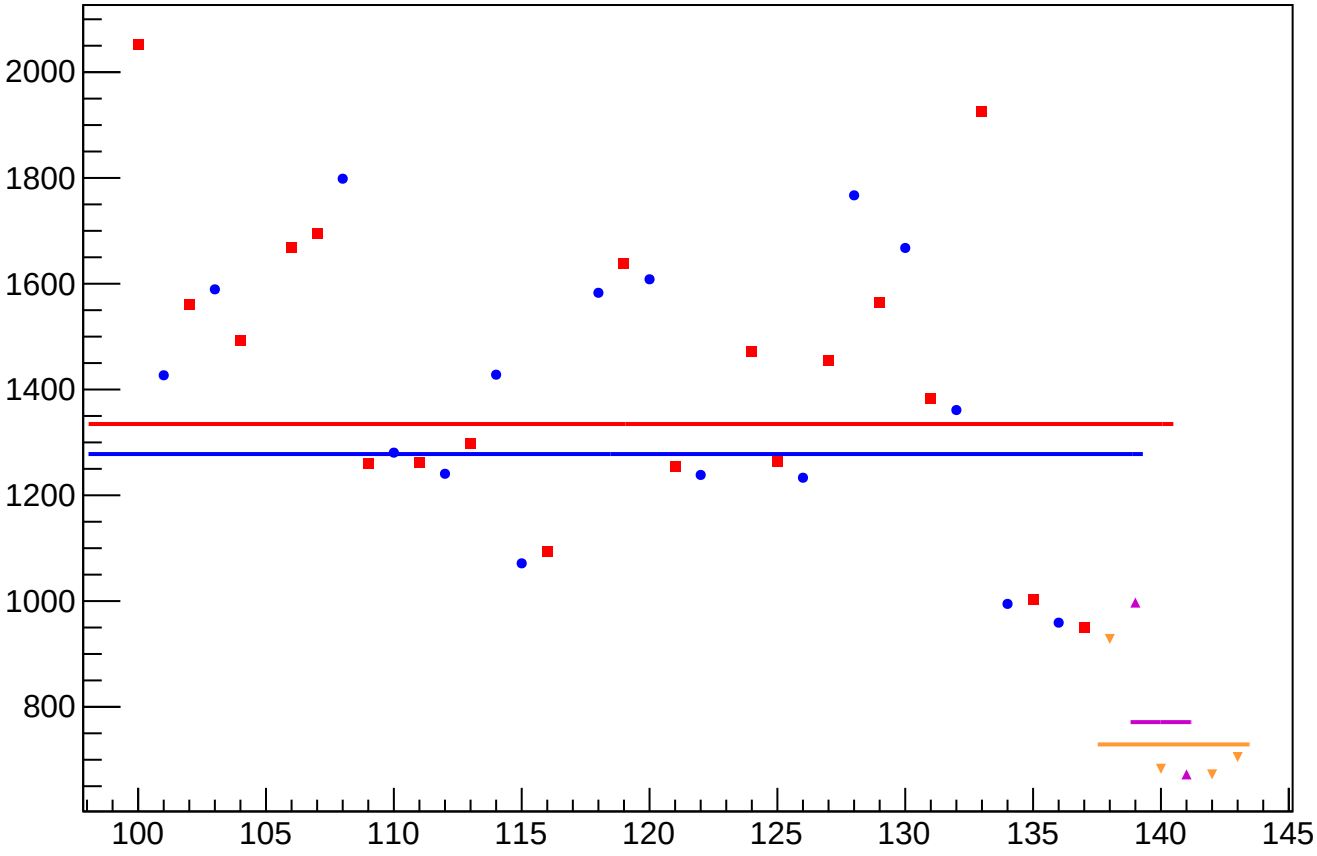
Left In: 475.886+/-599.152 χ^2/NDF:2.0/1

+ sign 731.435+/-325.093 χ^2/NDF: 30.6/19

All: 739.926+/-247.848 χ^2/NDF: 43.6/40

- sign 751.713+/-383.004 χ^2/NDF: 13.0/20

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 728.980+/-0.308 χ^2/NDF:85881.1/3

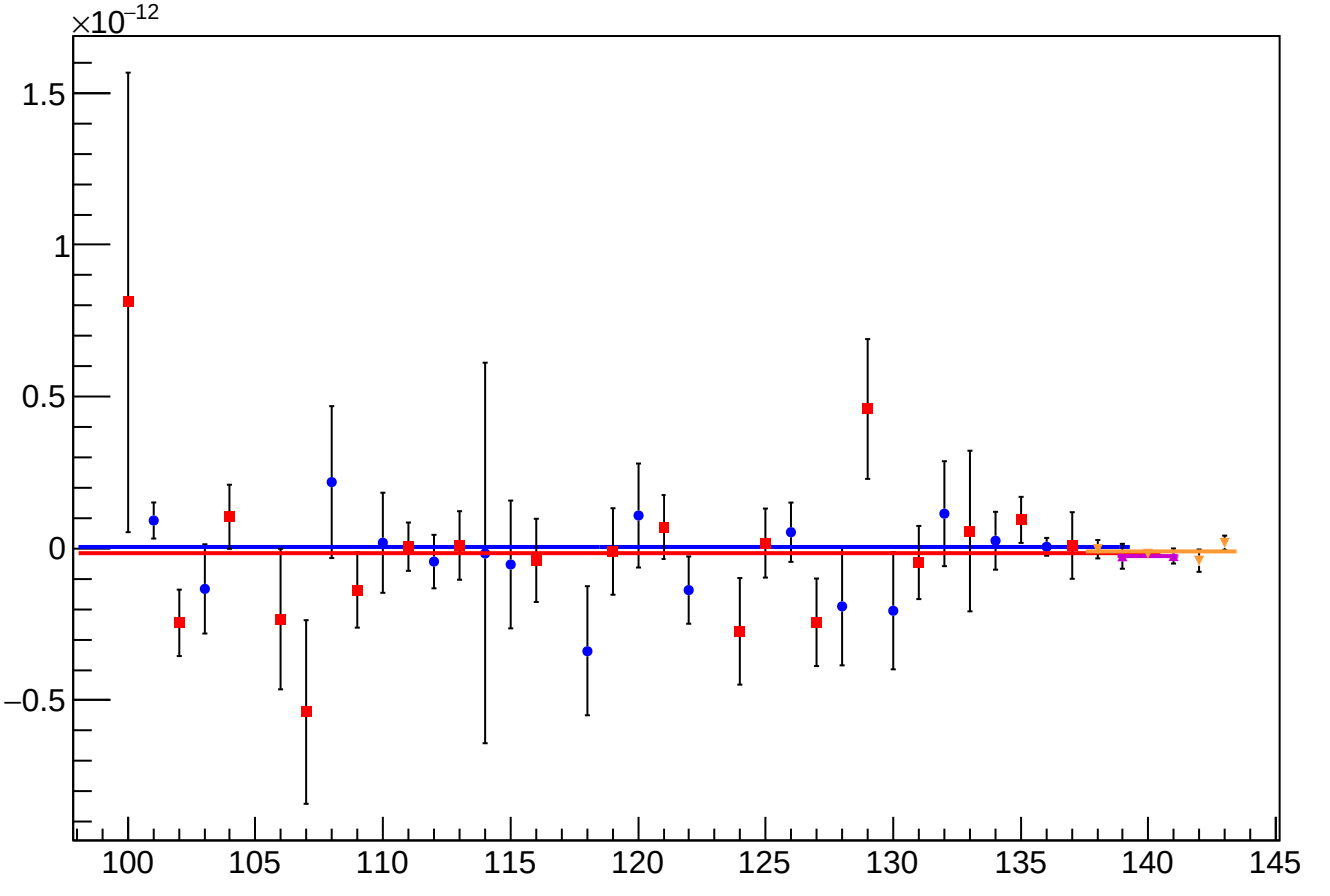
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 771.165+/-0.424 χ^2/NDF:124419.9/1

+ sign 972.380+/-0.230 χ^2/NDF: 2091177.4/19

All: 1027.692+/-0.175 χ^2/NDF: 3872330.8/40

- sign 1104.466+/-0.271 χ^2/NDF: 1642895.8/20



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/3

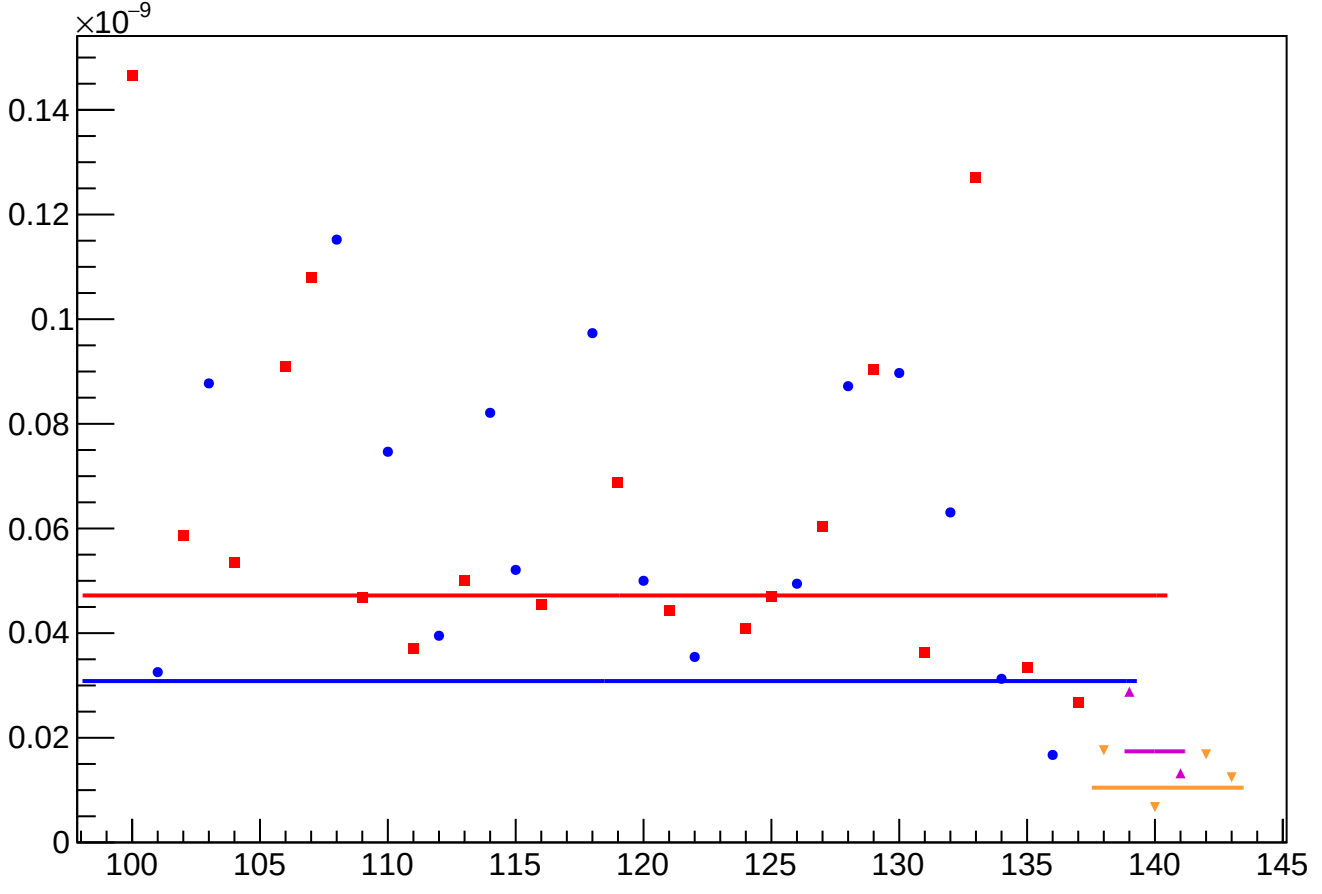
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 14.4/19

All: -0.000+/-0.000 χ^2/NDF: 38.8/40

- sign -0.000+/-0.000 χ^2/NDF: 23.9/20



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:305317.8/3

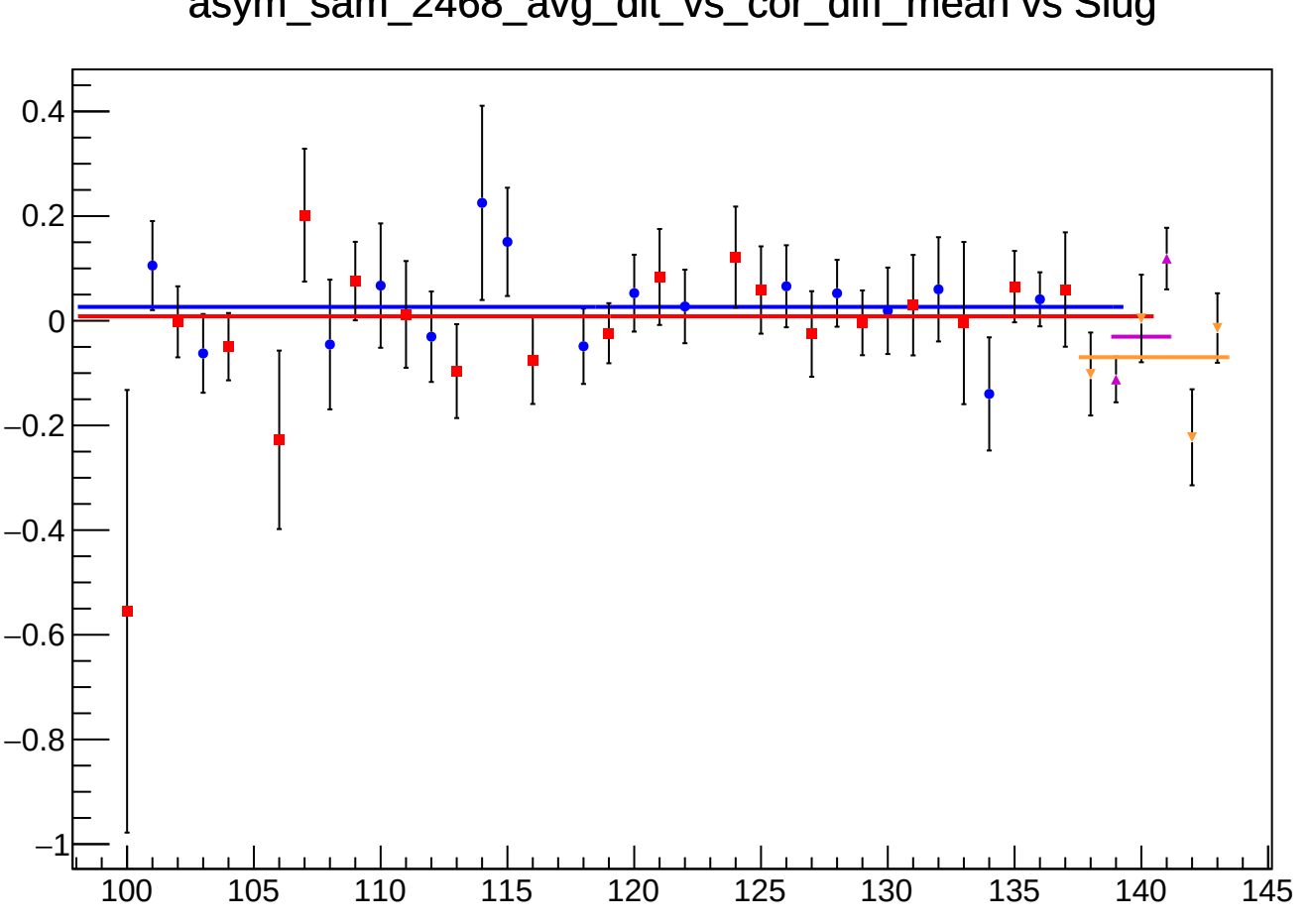
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:212234.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 3621510.0/19

All: 0.000+/-0.000 χ^2/NDF: 6842416.5/40

- sign 0.000+/-0.000 χ^2/NDF: 2333276.5/20



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.070+/-0.039 χ^2/NDF:4.4/3

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

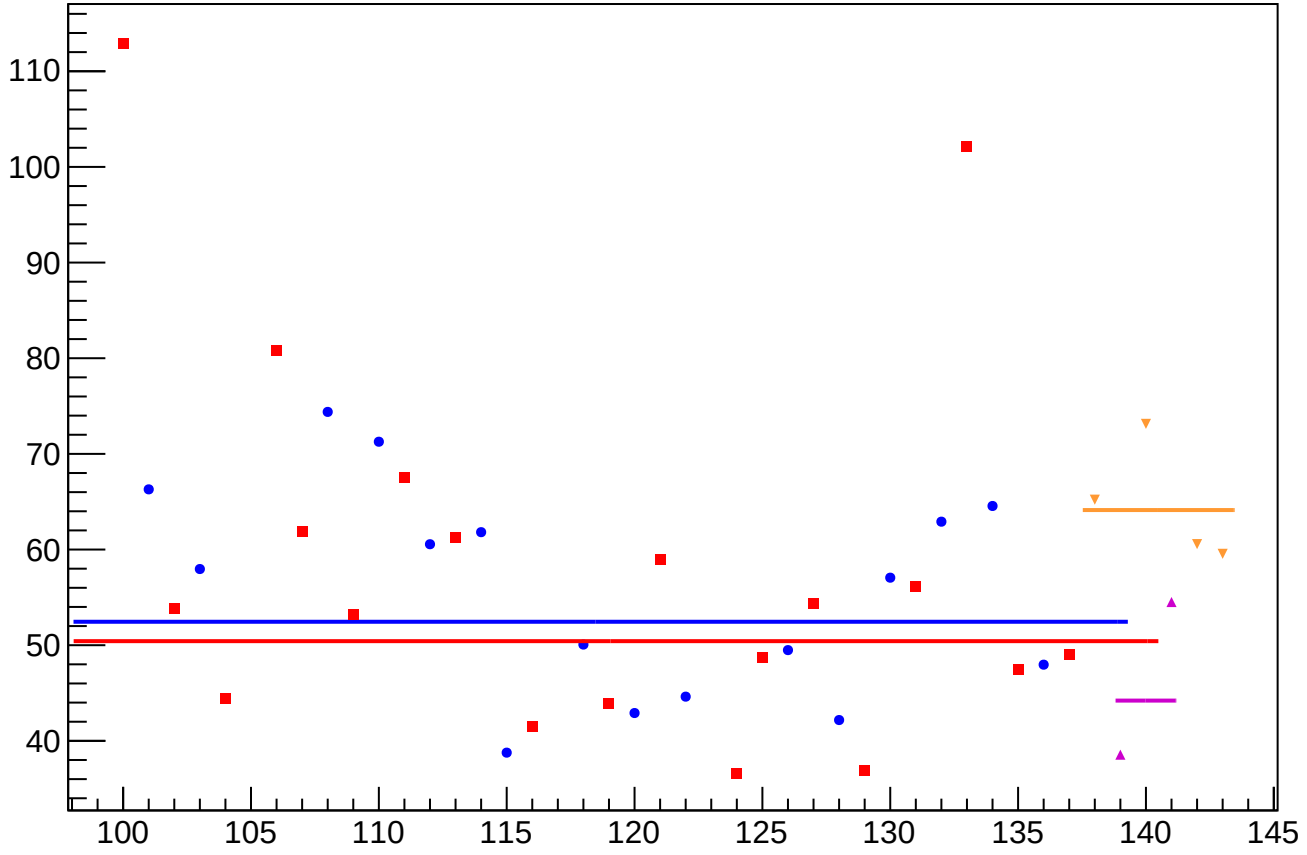
Left In: -0.030+/-0.035 χ^2/NDF:10.0/1

+ sign 0.006+/-0.018 χ^2/NDF: 19.1/19

All: 0.002+/-0.012 χ^2/NDF: 44.0/40

- sign -0.001+/-0.017 χ^2/NDF: 24.9/20

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: 64.128+/-0.028 χ^2/NDF:36118.1/3

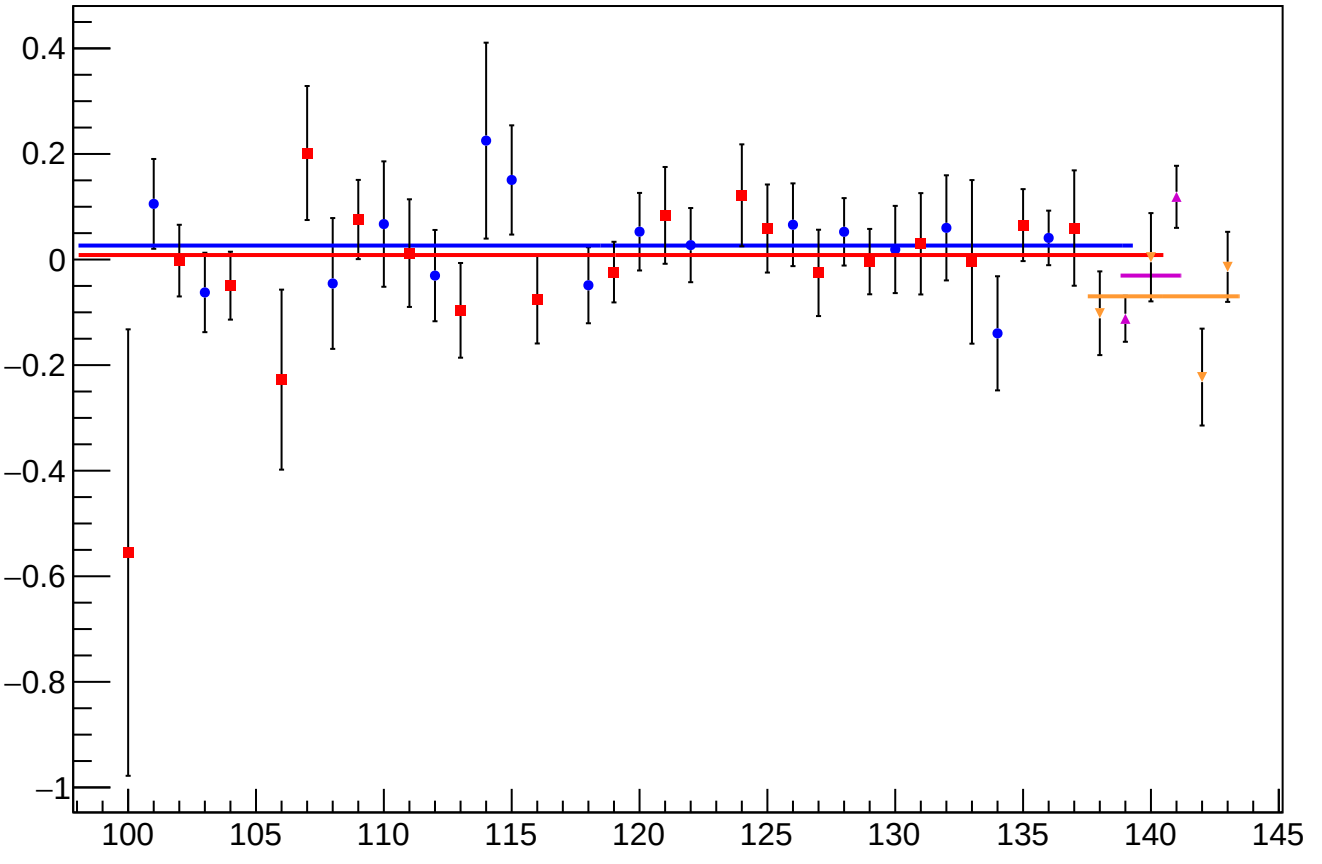
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 44.210+/-0.025 χ^2/NDF:95136.6/1

+ sign 54.931+/-0.013 χ^2/NDF: 593308.3/19

All: 51.757+/-0.009 χ^2/NDF: 1529060.3/40

- sign 48.953+/-0.012 χ^2/NDF: 820019.1/20



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.070+/-0.039 χ^2/NDF:4.4/3

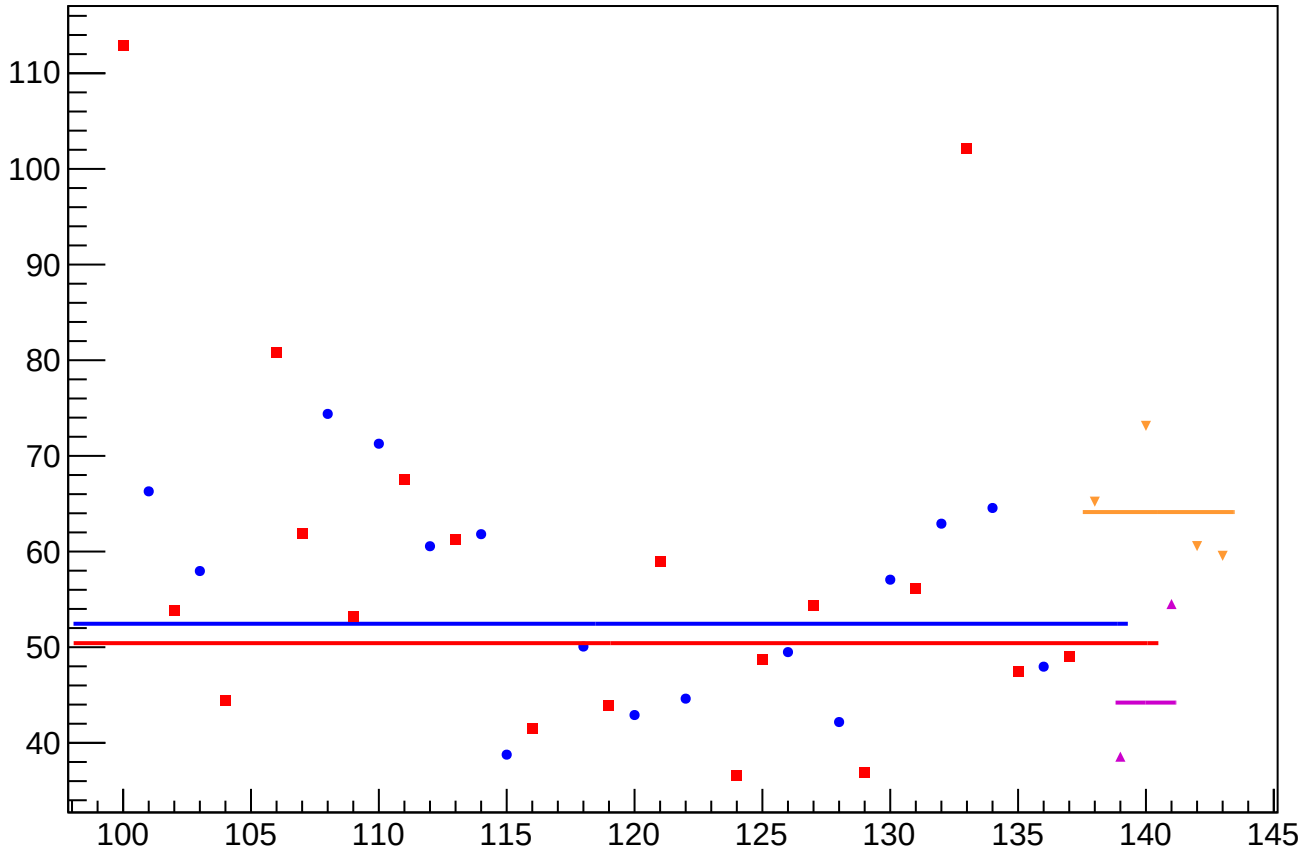
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.030+/-0.035 χ^2/NDF:10.0/1

+ sign 0.006+/-0.018 χ^2/NDF: 19.1/19

All: 0.002+/-0.012 χ^2/NDF: 44.0/40

- sign -0.001+/-0.017 χ^2/NDF: 24.9/20



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.1/3

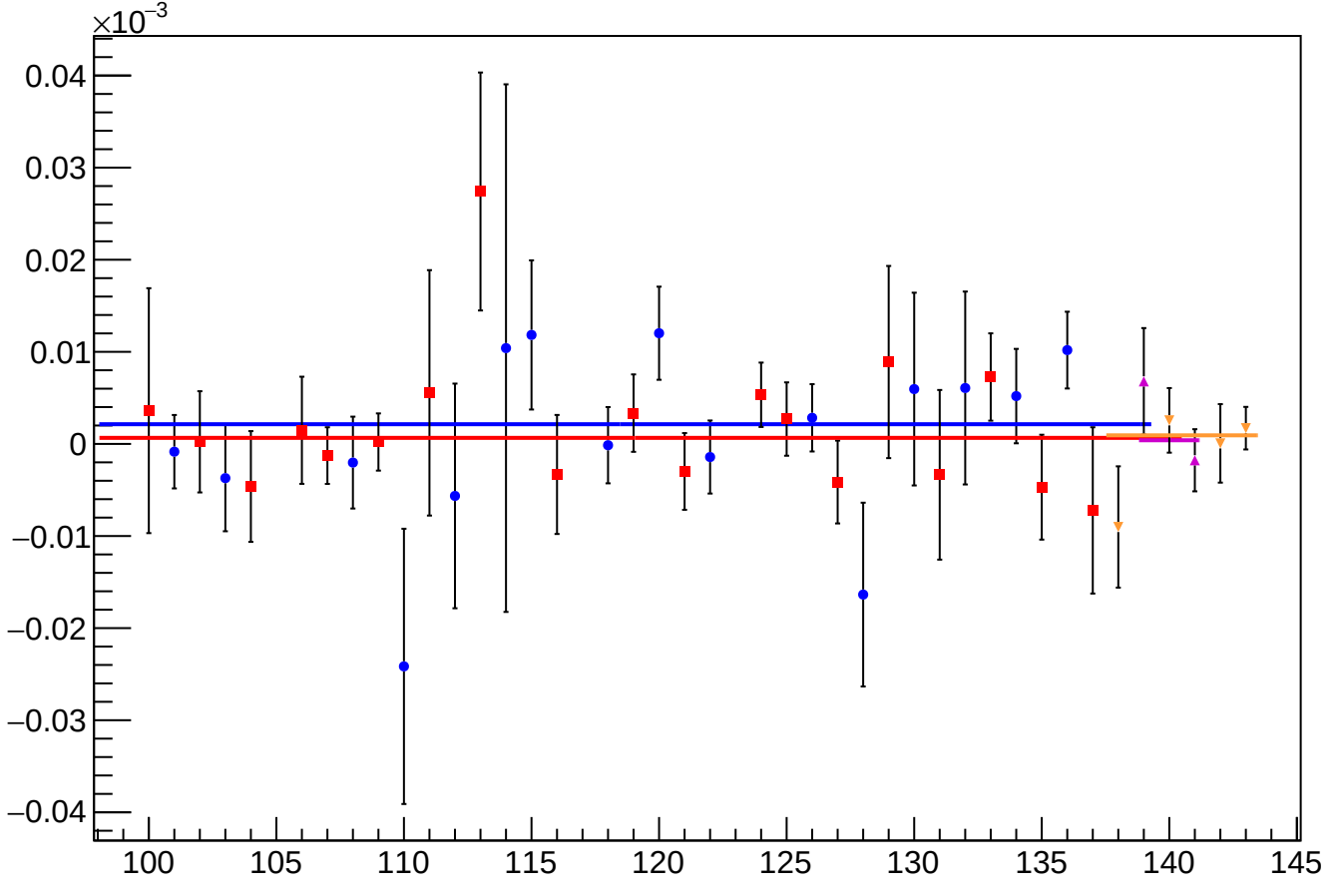
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 44.210+/-0.025 χ^2/NDF:95136.6/1

+ sign 54.931+/-0.013 χ^2/NDF: 593308.3/19

All: 51.757+/-0.009 χ^2/NDF: 1529060.3/40

- sign 48.953+/-0.012 χ^2/NDF: 820019.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

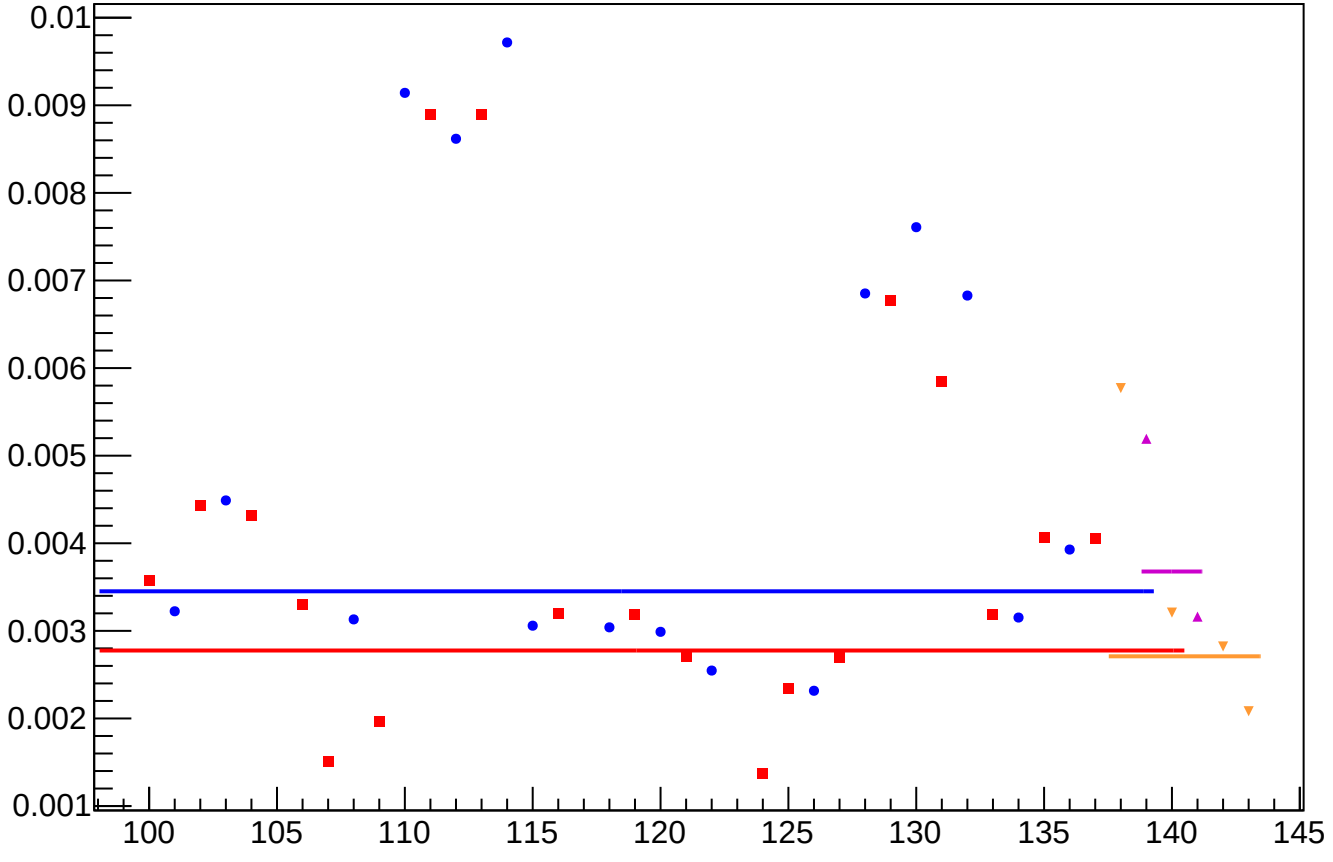
Left In: 0.000+/-0.000 χ^2/NDF:1.6/1

+ sign 0.000+/-0.000 χ^2/NDF: 23.0/19

All: 0.000+/-0.000 χ^2/NDF: 40.0/40

- sign 0.000+/-0.000 χ^2/NDF: 16.5/20

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:621629.7/3

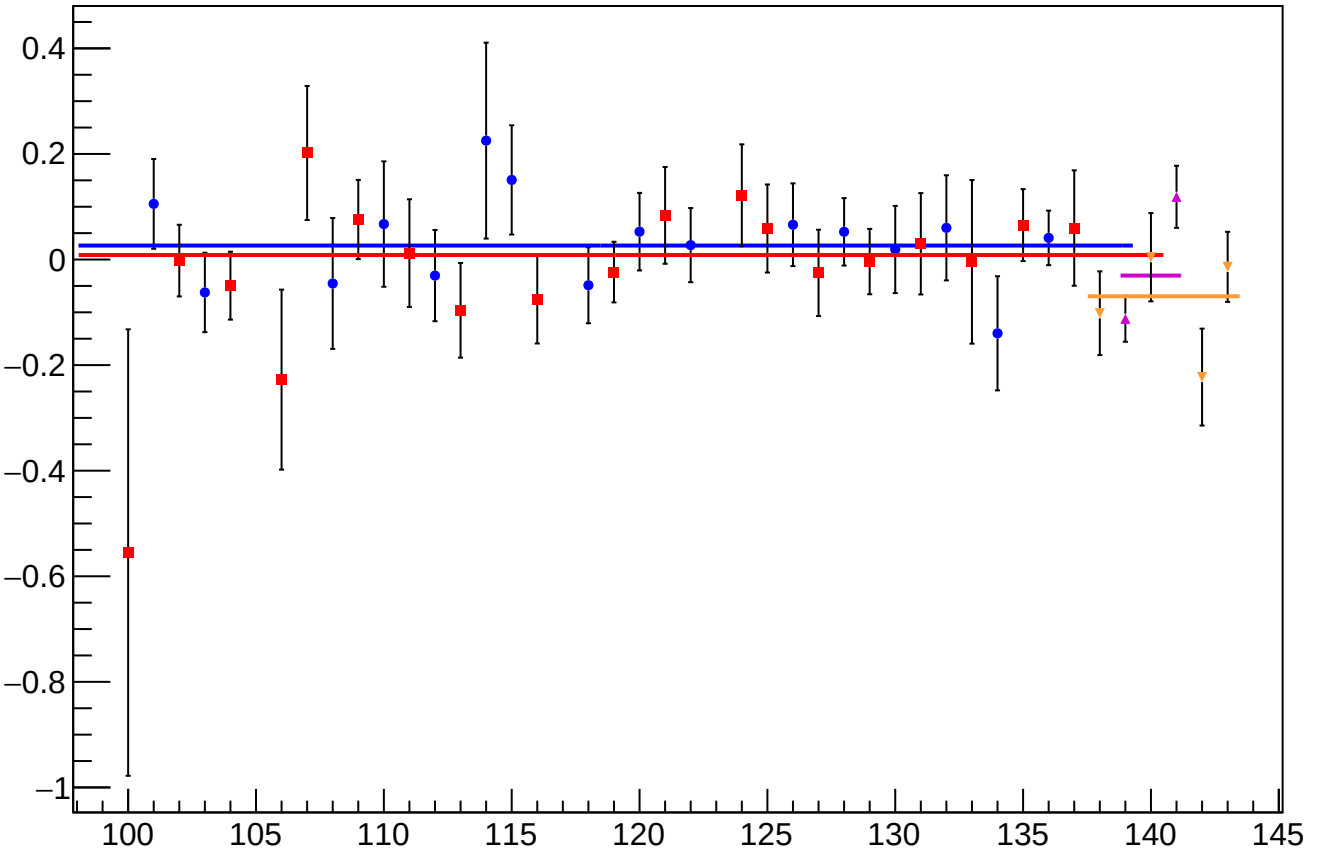
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.004+/-0.000 χ^2/NDF:183756.4/1

+ sign 0.003+/-0.000 χ^2/NDF: 2802042.7/19

All: 0.003+/-0.000 χ^2/NDF: 5944518.6/40

- sign 0.003+/-0.000 χ^2/NDF: 3084448.8/20



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.070+/-0.039 χ^2/NDF:4.4/3

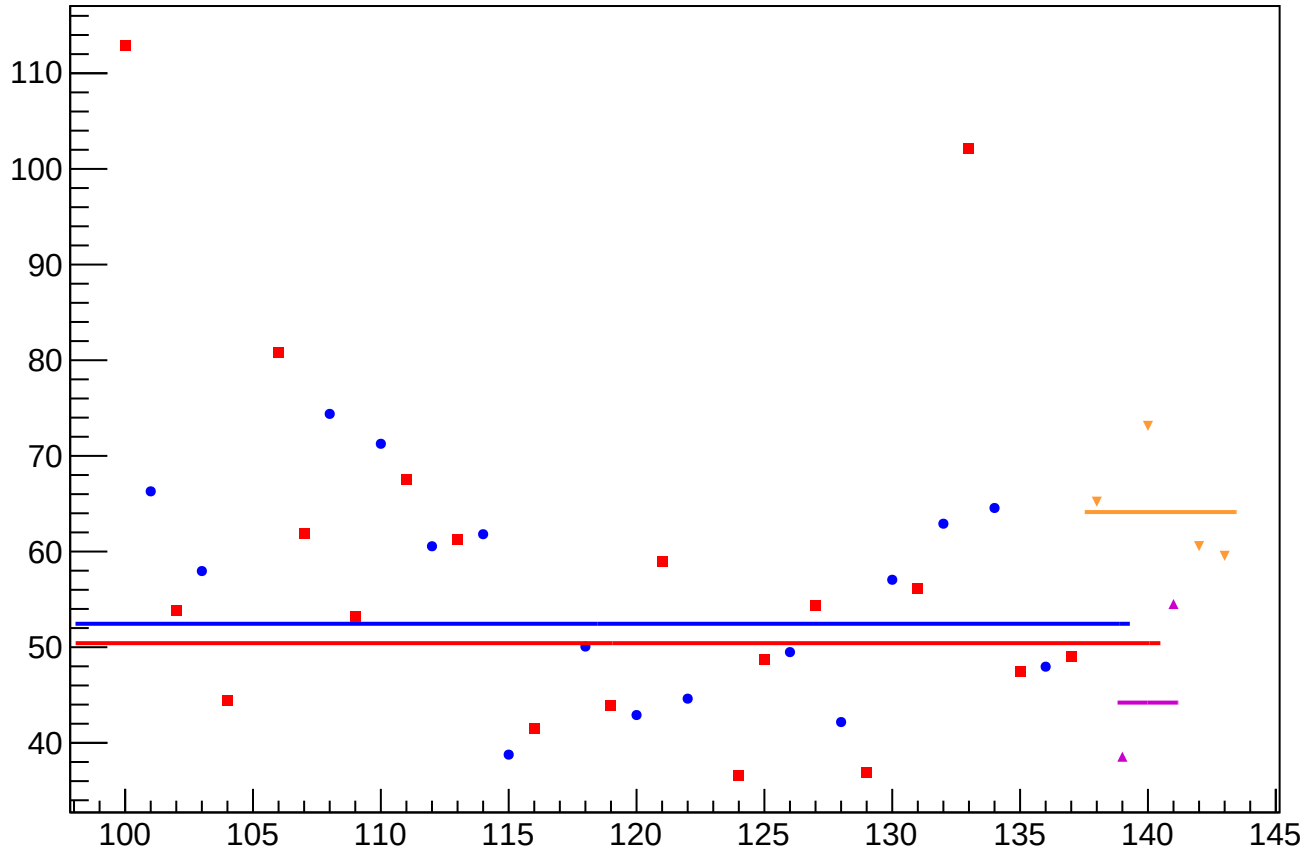
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.030+/-0.035 χ^2/NDF:10.0/1

+ sign 0.006+/-0.018 χ^2/NDF: 19.1/19

All: 0.002+/-0.012 χ^2/NDF: 44.0/40

- sign -0.001+/-0.017 χ^2/NDF: 24.9/20



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.0/3

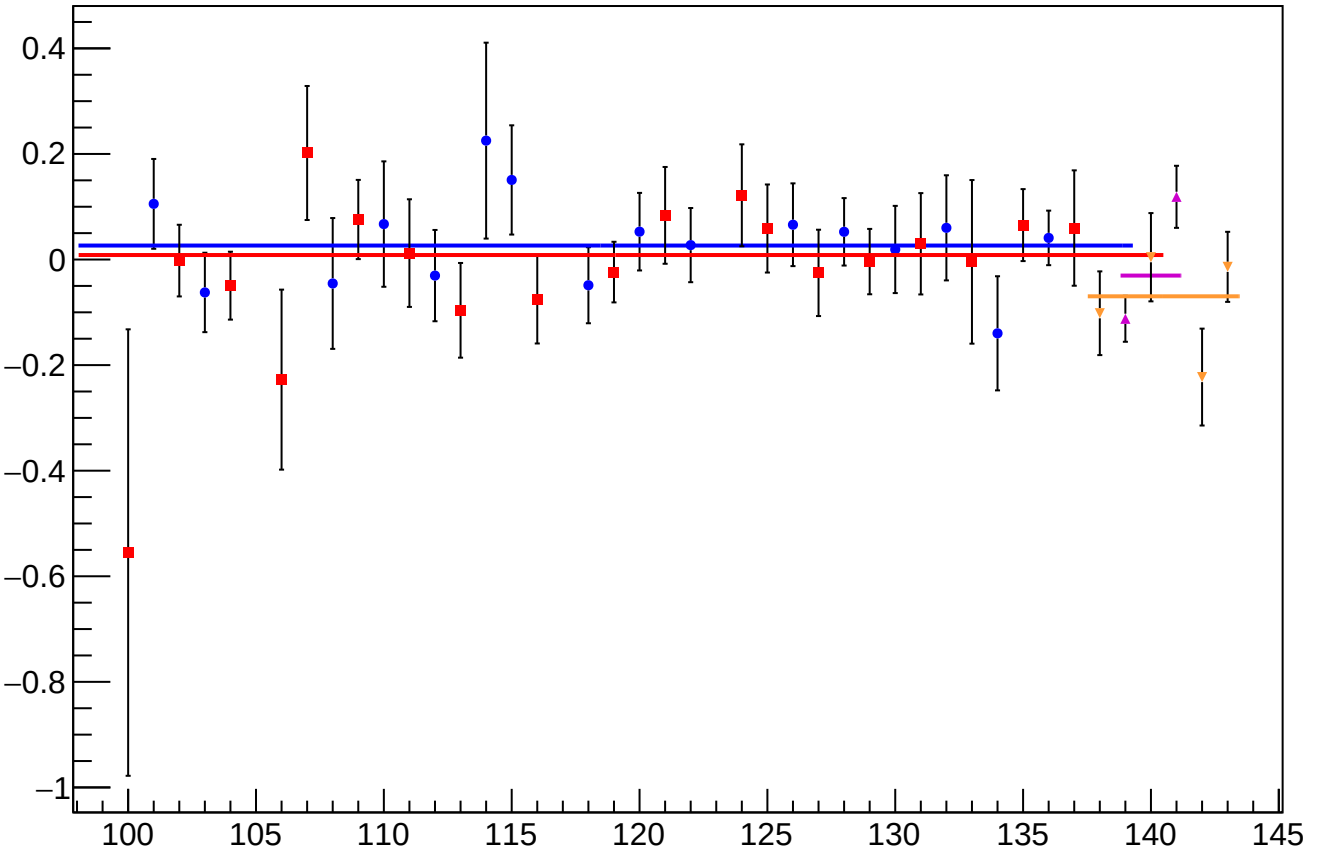
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 44.209+/-0.025 χ^2/NDF:95151.7/1

+ sign 54.930+/-0.013 χ^2/NDF: 593285.5/19

All: 51.757+/-0.009 χ^2/NDF: 1529054.7/40

- sign 48.952+/-0.012 χ^2/NDF: 820034.1/20



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.070+/-0.039 χ^2/NDF:4.4/3

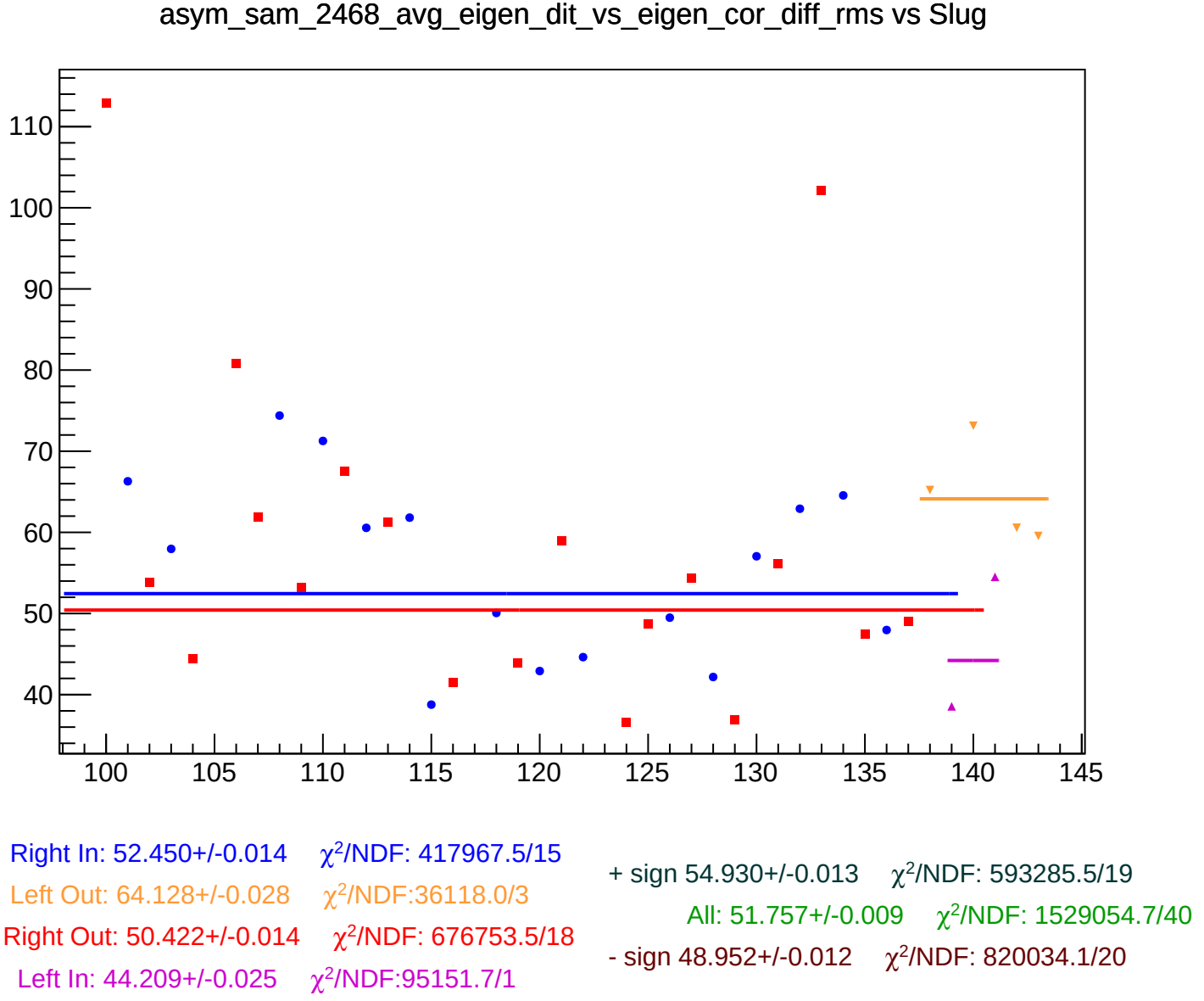
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

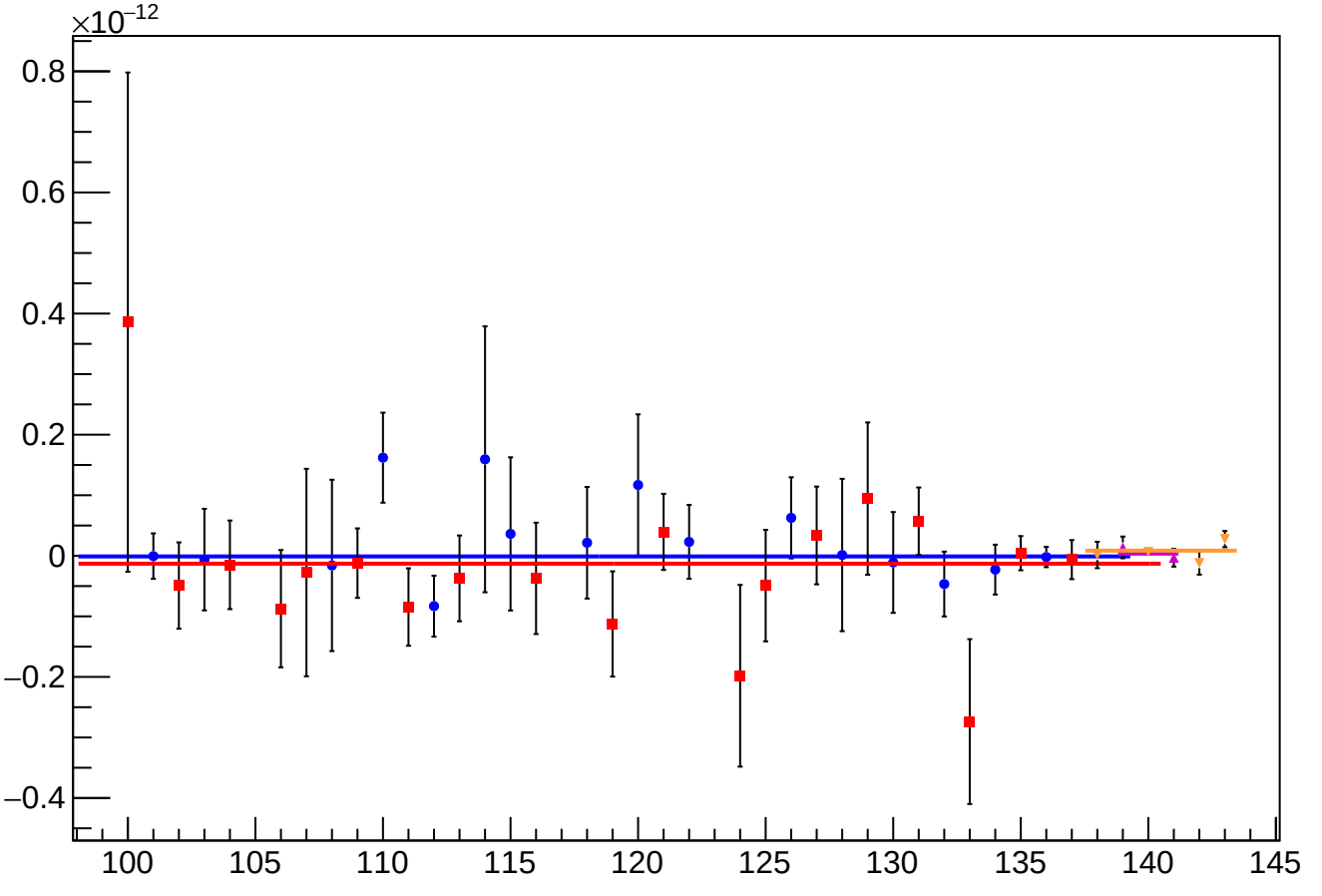
Left In: -0.030+/-0.035 χ^2/NDF:10.0/1

+ sign 0.006+/-0.018 χ^2/NDF: 19.1/19

All: 0.002+/-0.012 χ^2/NDF: 44.0/40

- sign -0.001+/-0.017 χ^2/NDF: 24.9/20


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
110
100
90
80
70
60
50
40
100
105
110
115
120
125
130
135
140
145
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 64.128+/-0.028 χ²/NDF:36118.0/3
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 44.209+/-0.025 χ²/NDF:95151.7/1
+ sign 54.930+/-0.013 χ²/NDF: 593285.5/19
All: 51.757+/-0.009 χ²/NDF: 1529054.7/40
- sign 48.952+/-0.012 χ²/NDF: 820034.1/20



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/3

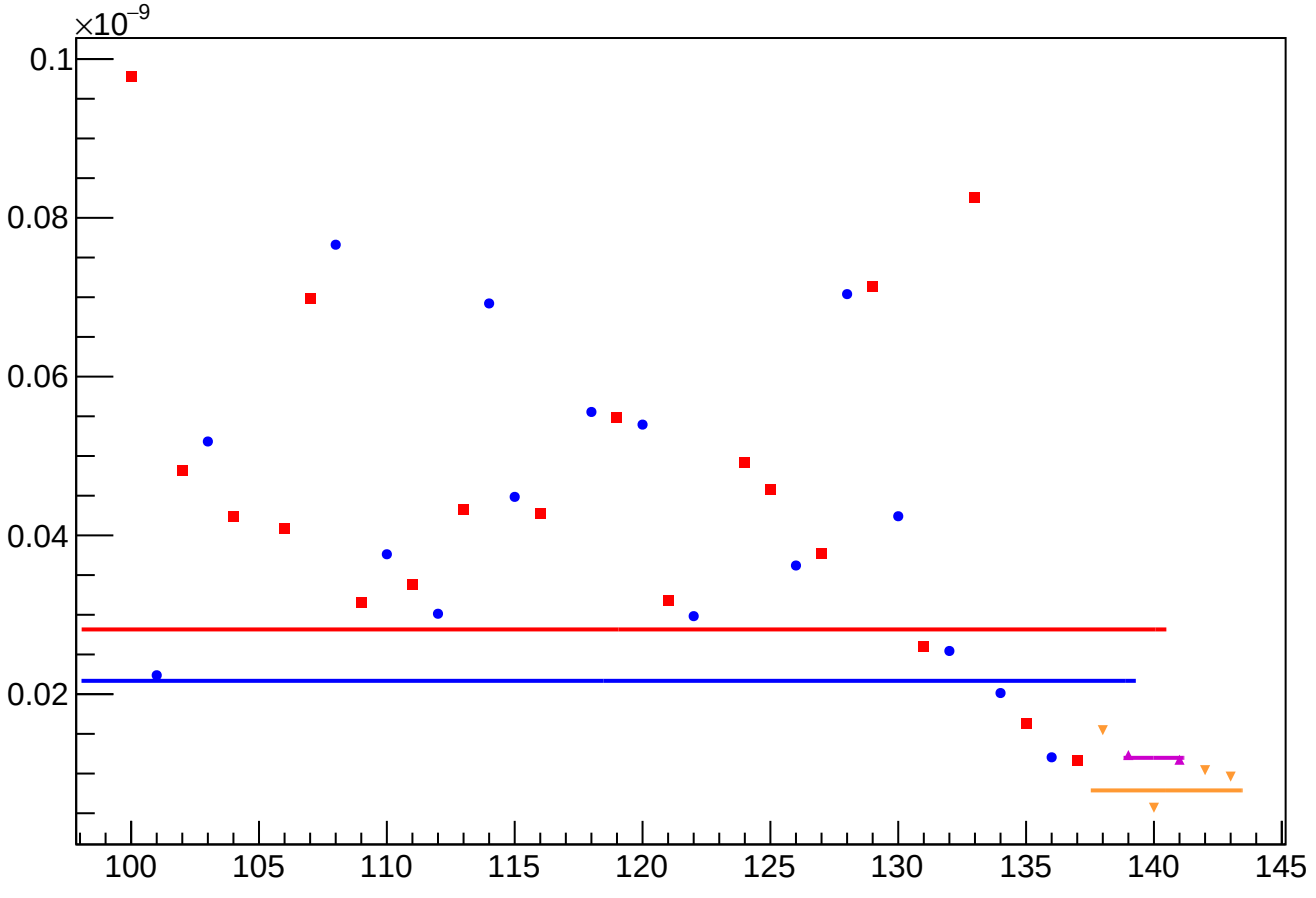
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

+ sign 0.000+/-0.000 χ^2/NDF: 15.1/19

All: 0.000+/-0.000 χ^2/NDF: 30.9/40

- sign -0.000+/-0.000 χ^2/NDF: 15.0/20



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:454067.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

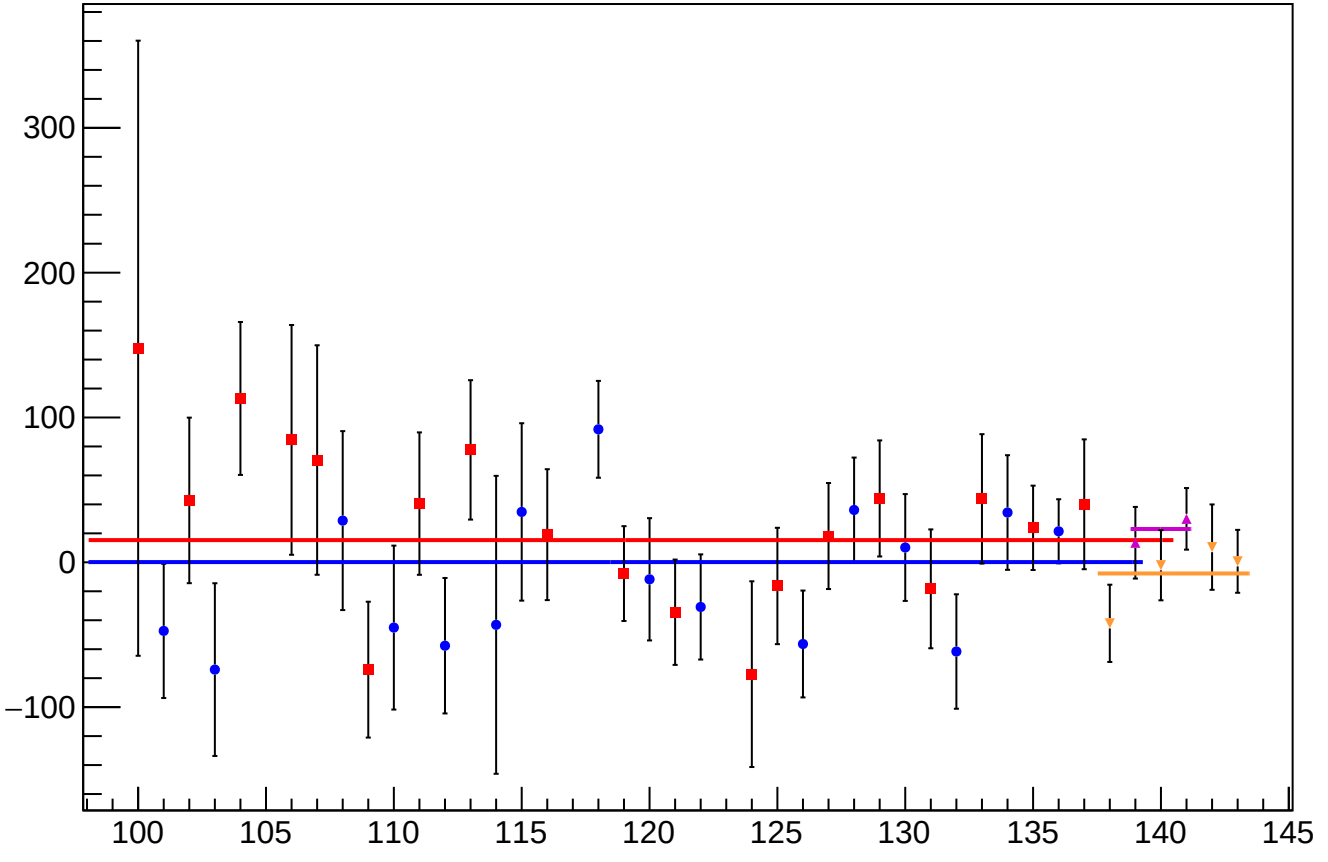
Left In: 0.000+/-0.000 χ^2/NDF:1294.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 5059182.9/19

All: 0.000+/-0.000 χ^2/NDF: 9939738.4/40

- sign 0.000+/-0.000 χ^2/NDF: 3926396.2/20

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.702+/-12.520 χ^2/NDF:2.3/3

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

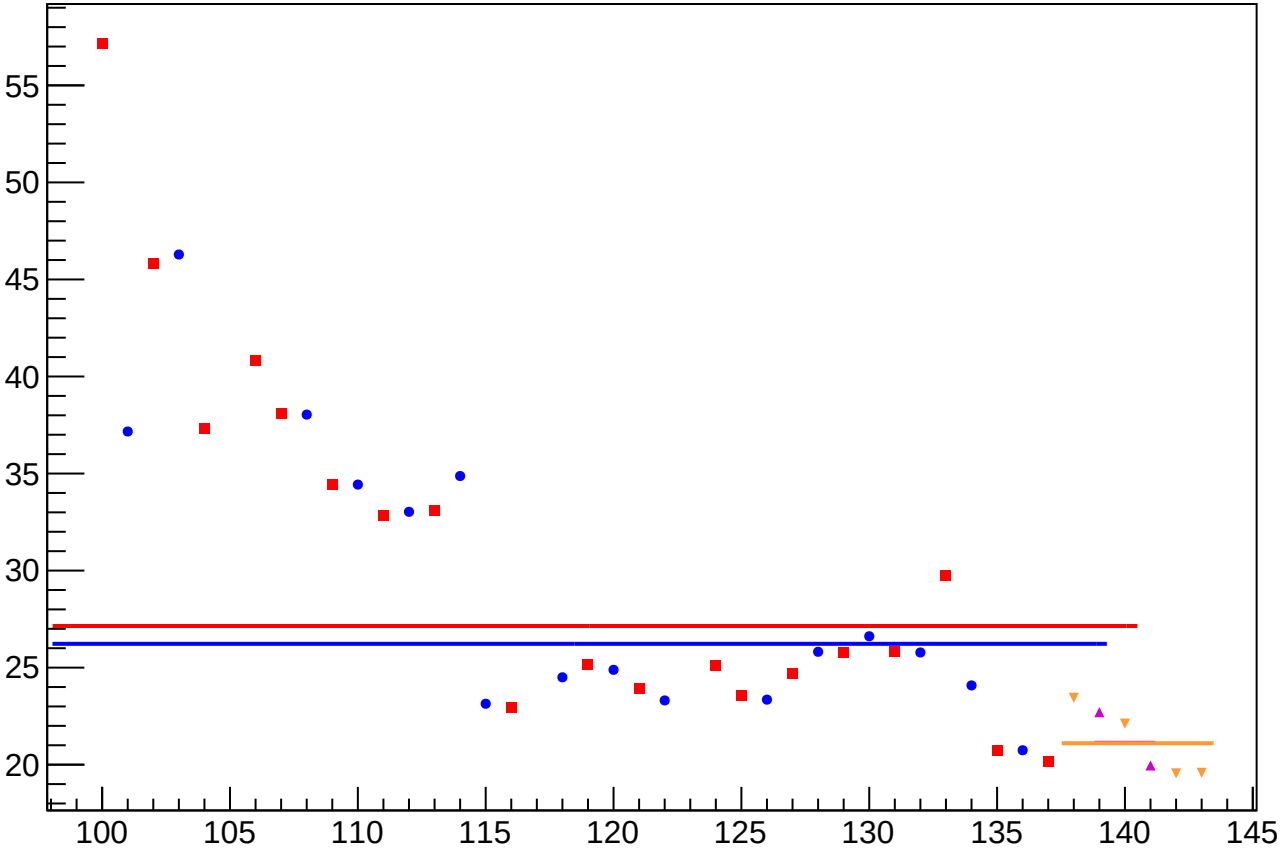
Left In: 23.004+/-16.124 χ^2/NDF:0.3/1

+ sign -2.923+/-7.836 χ^2/NDF: 23.8/19

All: 6.291+/-5.811 χ^2/NDF: 45.3/40

- sign 17.546+/-8.660 χ^2/NDF: 18.4/20

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

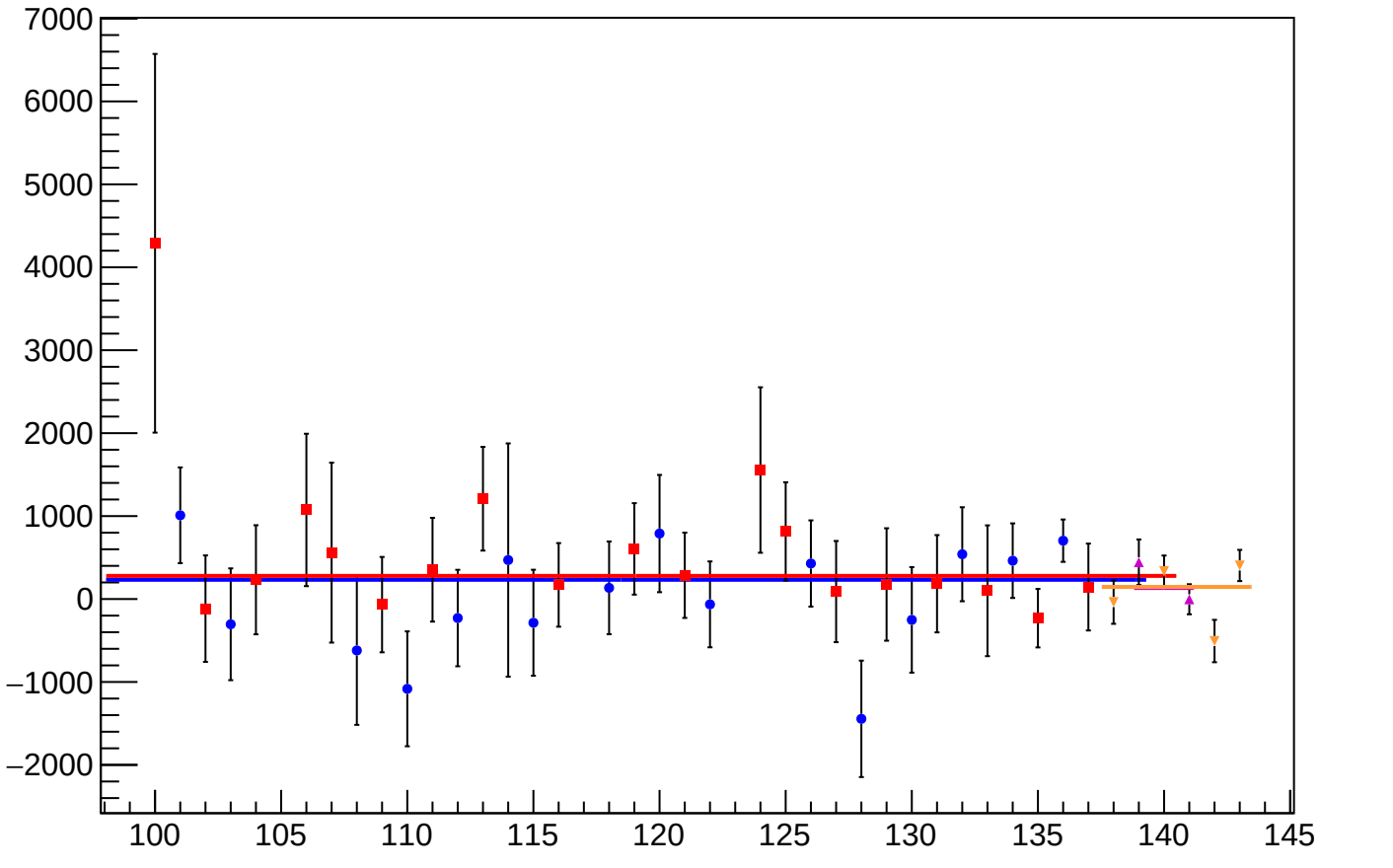
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 21.127+/-0.011 χ^2/NDF:14177.7/1

+ sign 24.220+/-0.006 χ^2/NDF: 914008.0/19

All: 24.755+/-0.004 χ^2/NDF: 1902607.8/40

- sign 25.409+/-0.006 χ^2/NDF: 967867.3/20



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 145.878+/-107.646 χ^2/NDF:9.9/3

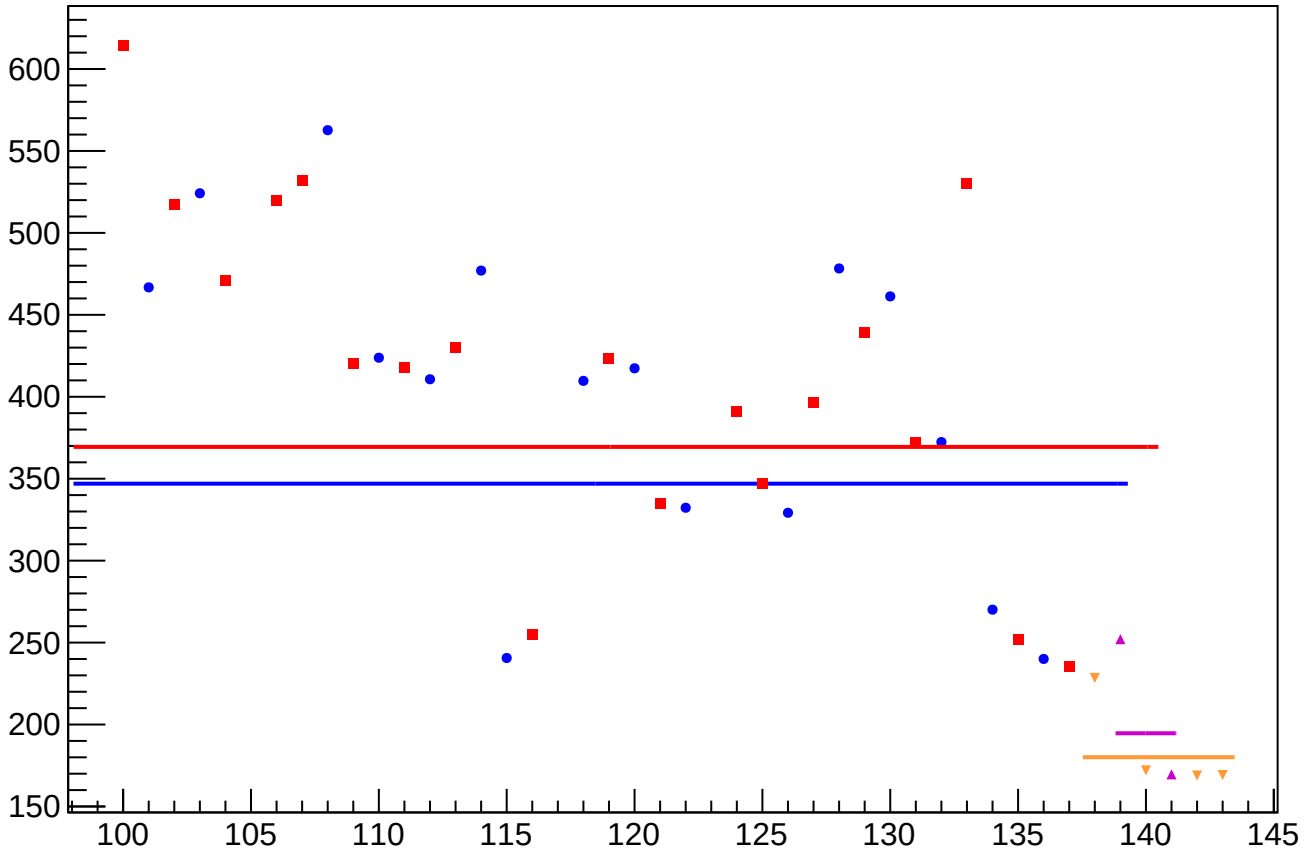
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 132.999+/-151.233 χ^2/NDF:1.8/1

\+ sign 179.427+/-84.134 χ^2/NDF: 29.8/19

All: 192.370+/-65.089 χ^2/NDF: 44.3/40

\- sign 211.663+/-102.723 χ^2/NDF: 14.4/20



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 180.060+/-0.076 χ^2/NDF:82395.9/3

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

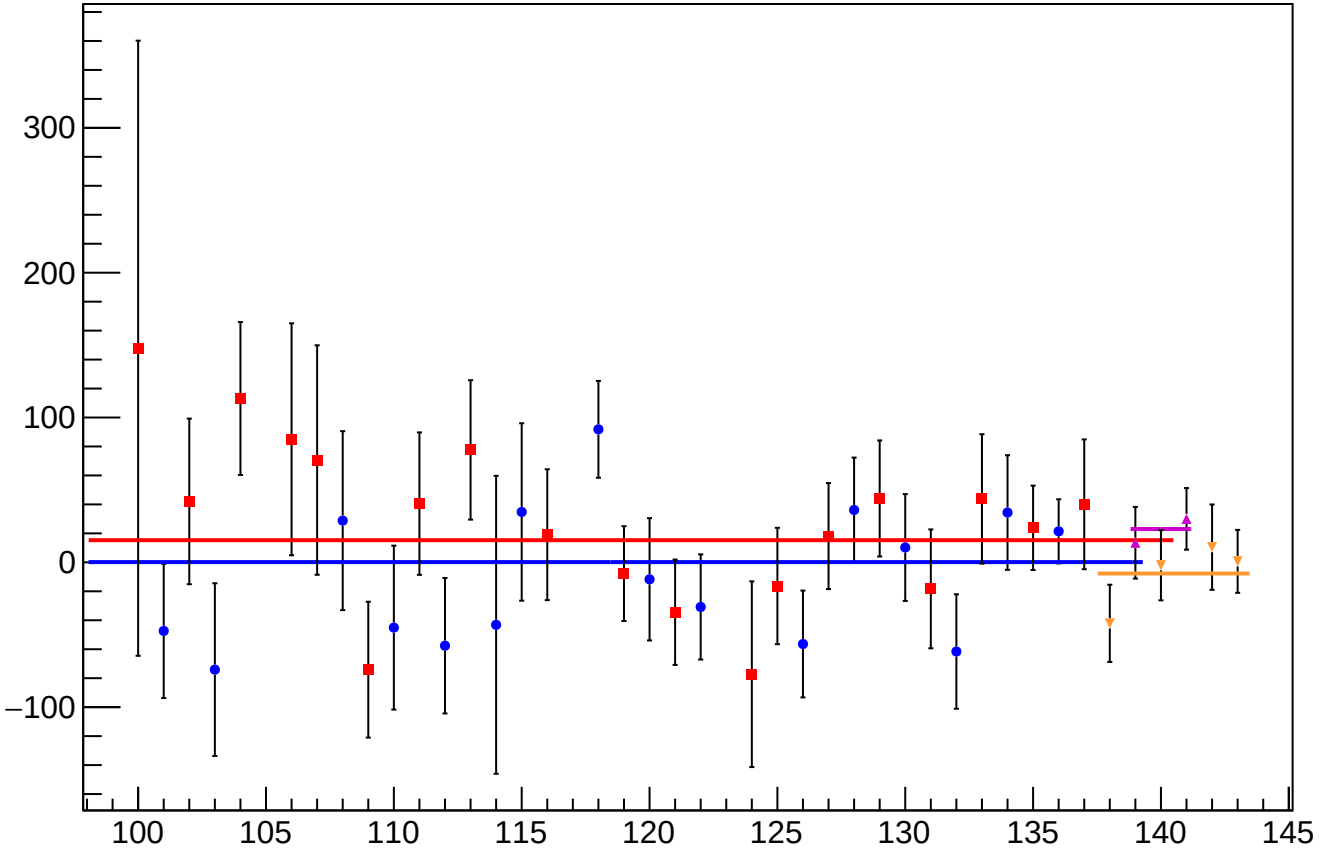
Left In: 194.663+/-0.107 χ^2/NDF:125837.4/1

+ sign 245.011+/-0.059 χ^2/NDF: 3011523.8/19

All: 262.587+/-0.046 χ^2/NDF: 5711936.0/40

- sign 288.788+/-0.073 χ^2/NDF: 2483007.6/20

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.704+/-12.520 χ^2/NDF:2.3/3

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

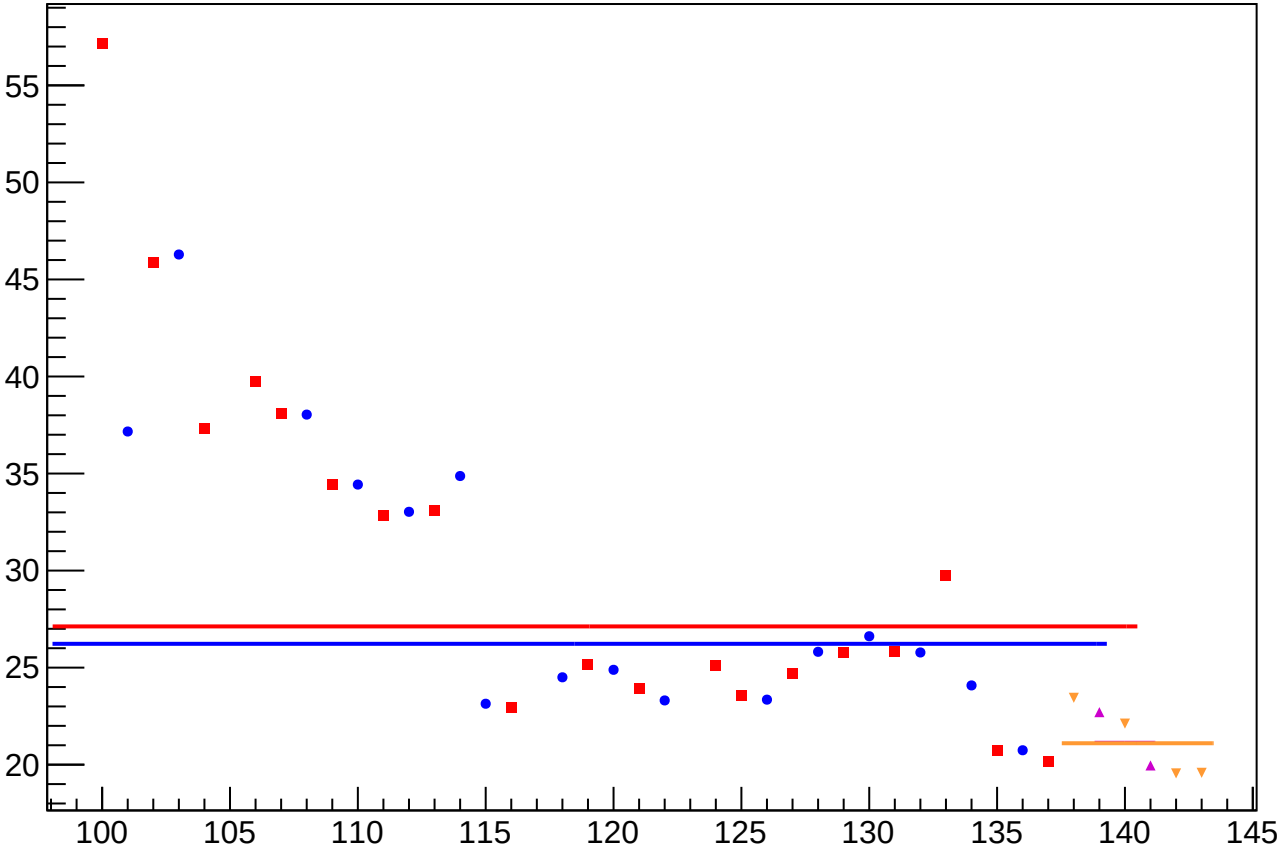
Left In: 23.008+/-16.124 χ^2/NDF:0.3/1

+ sign -2.923+/-7.836 χ^2/NDF: 23.8/19

All: 6.278+/-5.811 χ^2/NDF: 45.2/40

- sign 17.518+/-8.661 χ^2/NDF: 18.3/20

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

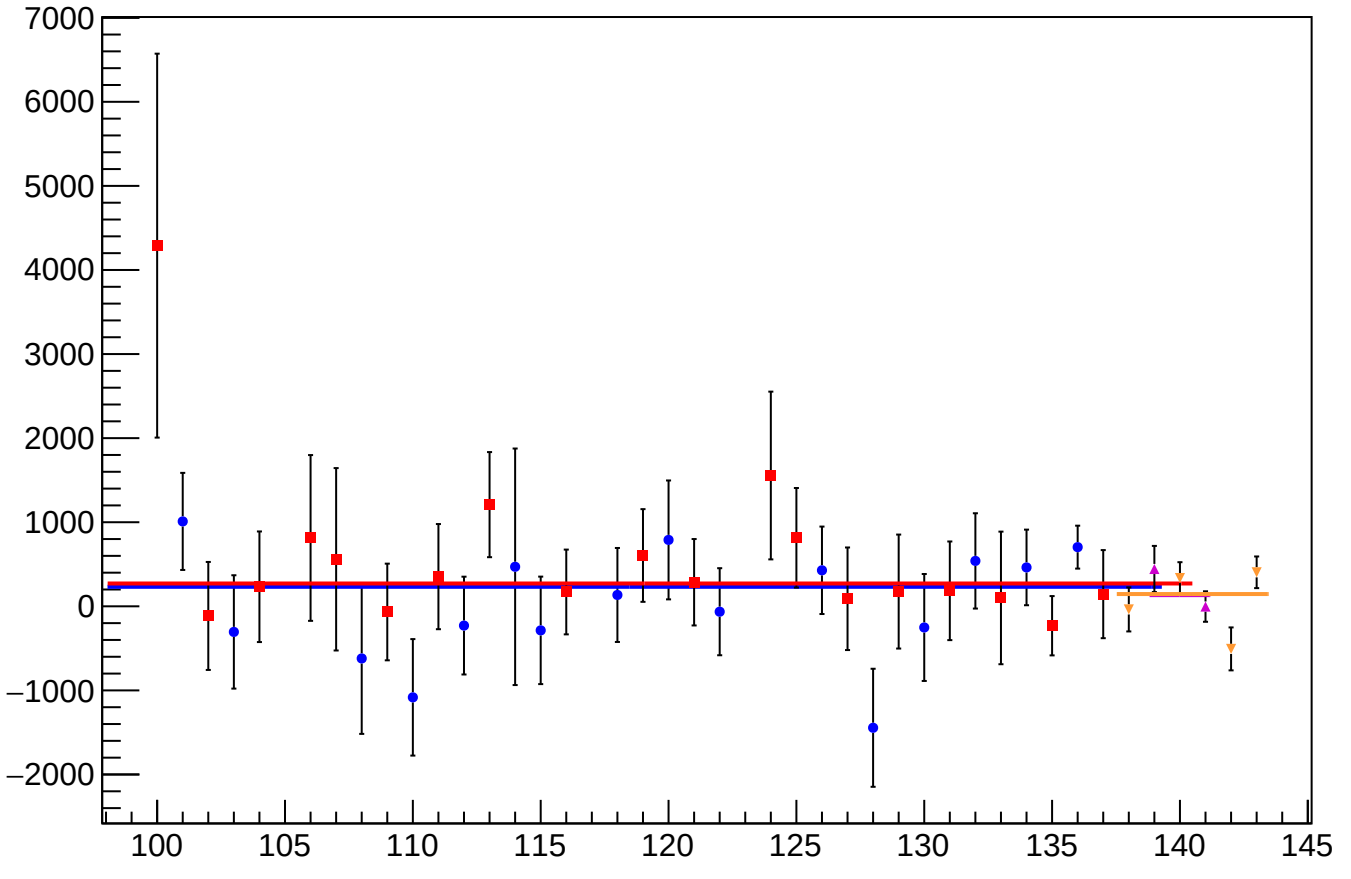
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 21.127+/-0.011 χ^2/NDF:14177.7/1

+ sign 24.220+/-0.006 χ^2/NDF: 914011.4/19

All: 24.748+/-0.004 χ^2/NDF: 1890850.1/40

- sign 25.393+/-0.006 χ^2/NDF: 956663.1/20



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 145.874+/-107.646 χ^2/NDF:9.9/3

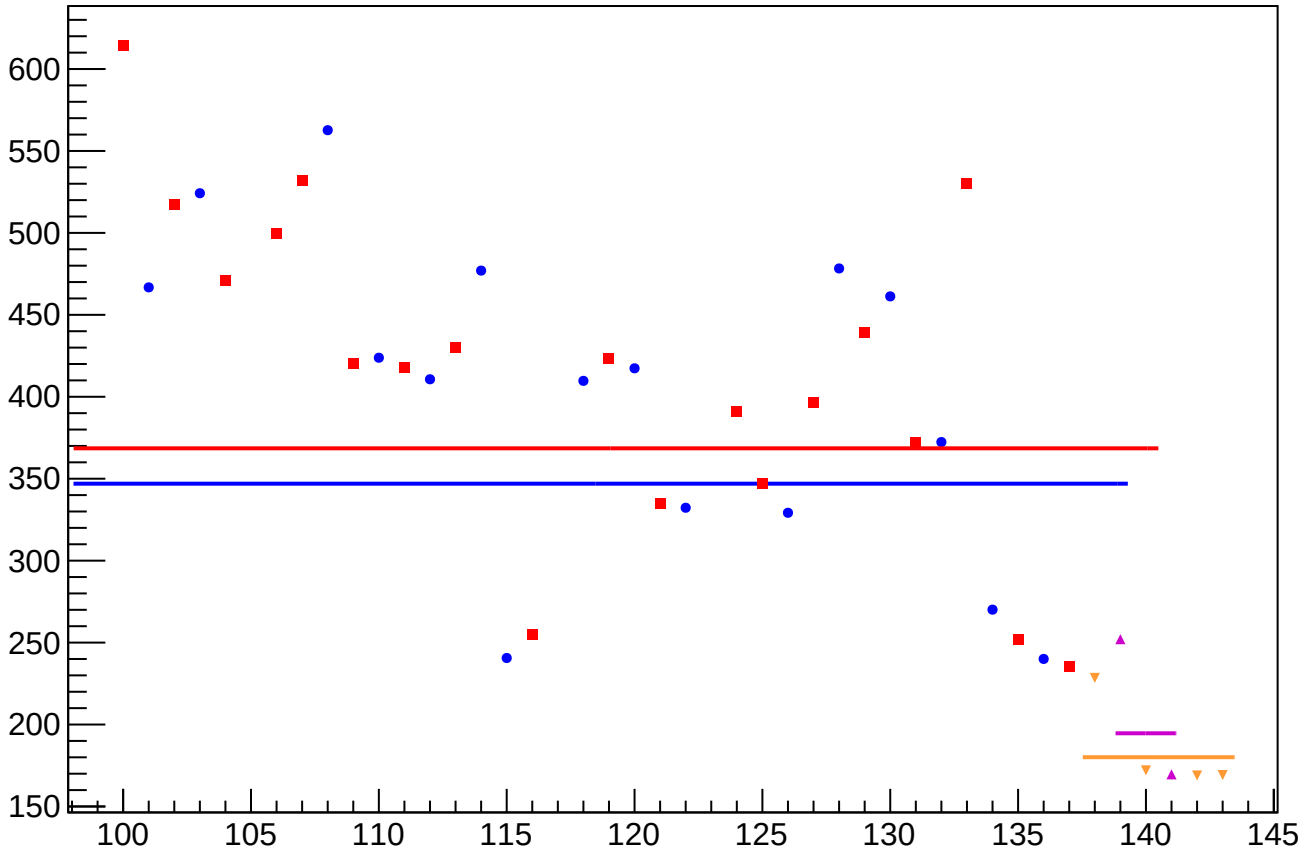
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 133.001+/-151.233 χ^2/NDF:1.8/1

\+ sign 179.422+/-84.134 χ^2/NDF: 29.8/19

All: 190.663+/-65.111 χ^2/NDF: 43.8/40

\- sign 207.448+/-102.809 χ^2/NDF: 13.9/20



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 180.060+/-0.076 χ^2/NDF:82396.0/3

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

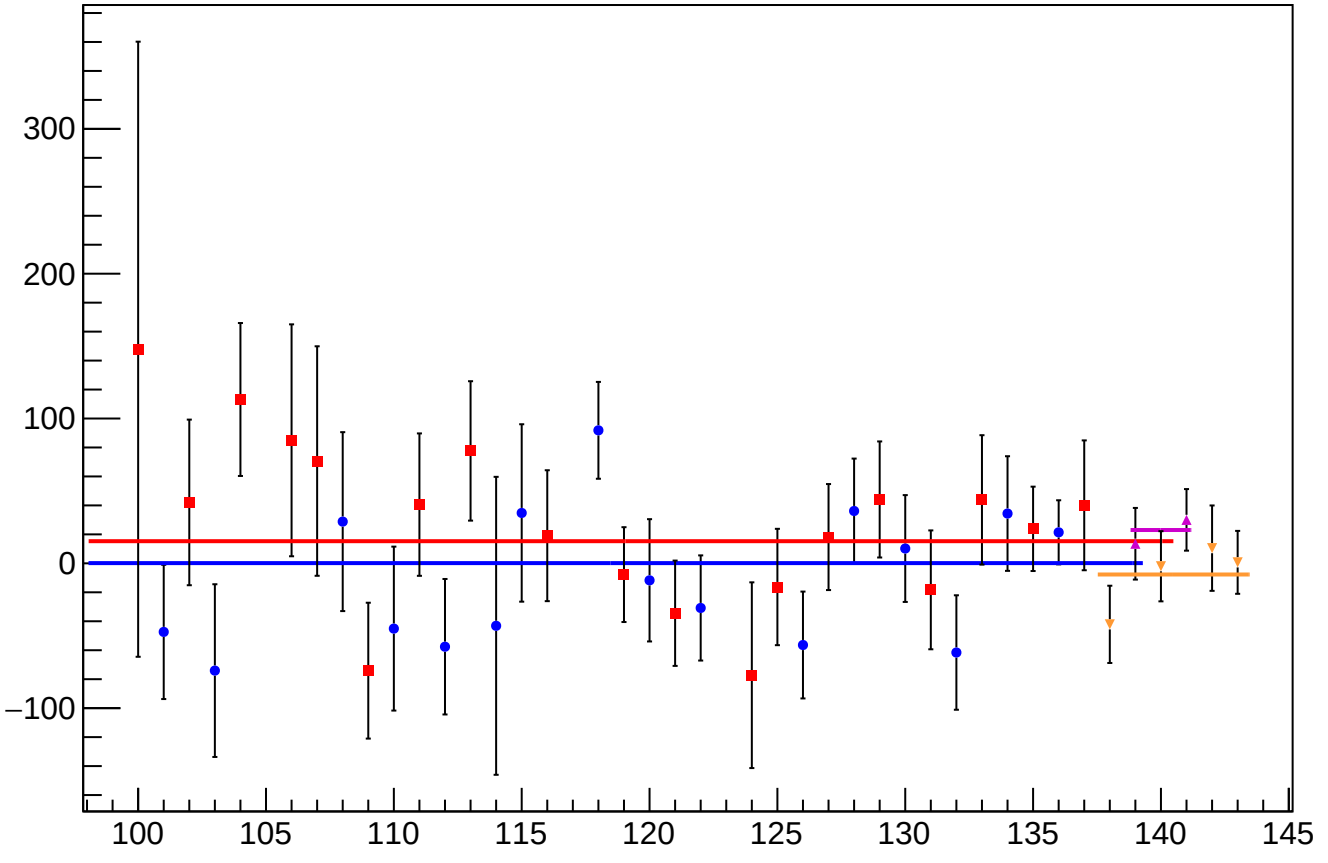
Left In: 194.663+/-0.107 χ^2/NDF:125836.6/1

+ sign 245.011+/-0.059 χ^2/NDF: 3011556.8/19

All: 262.328+/-0.046 χ^2/NDF: 5670914.9/40

- sign 288.187+/-0.073 χ^2/NDF: 2448092.7/20

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.704+/-12.520 χ^2/NDF:2.3/3

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

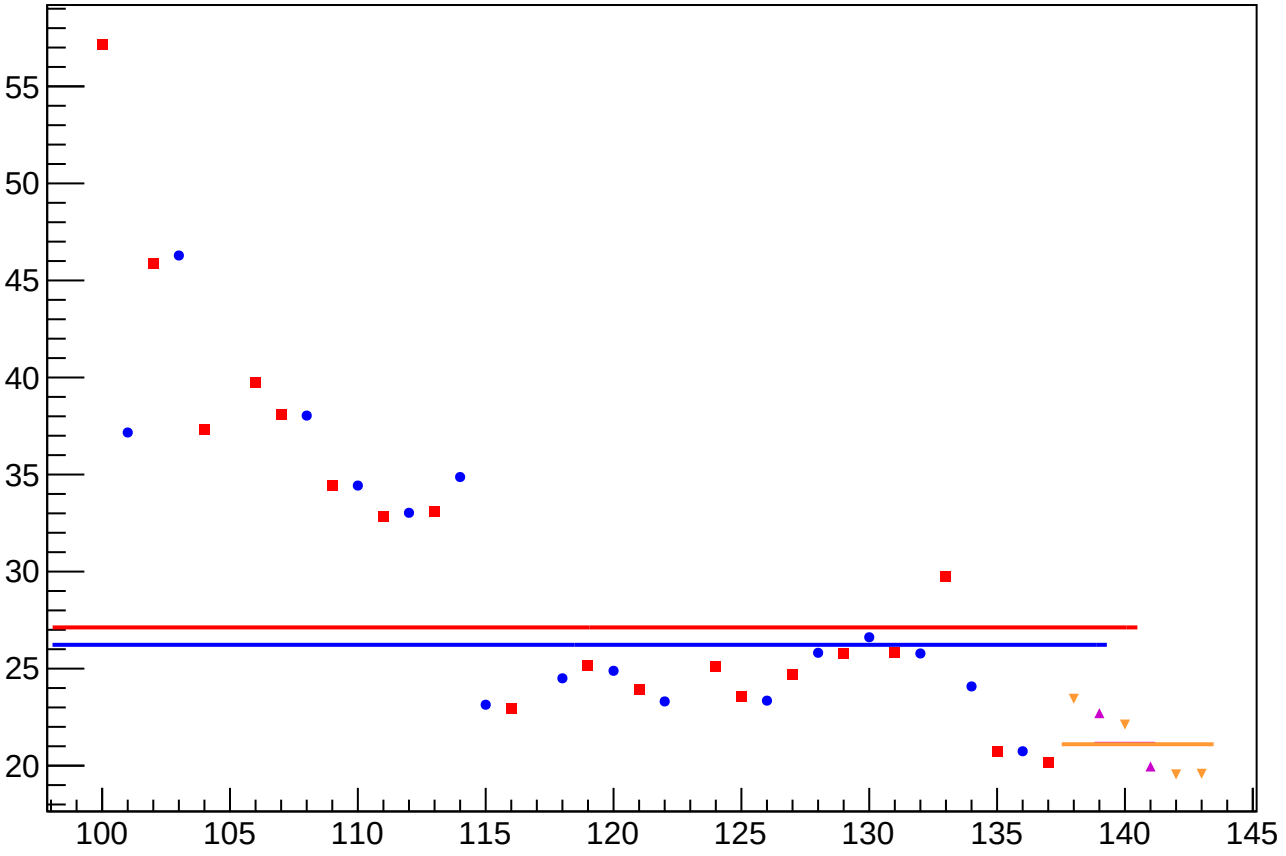
Left In: 23.008+/-16.124 χ^2/NDF:0.3/1

+ sign -2.923+/-7.836 χ^2/NDF: 23.8/19

All: 6.278+/-5.811 χ^2/NDF: 45.2/40

- sign 17.518+/-8.661 χ^2/NDF: 18.3/20

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

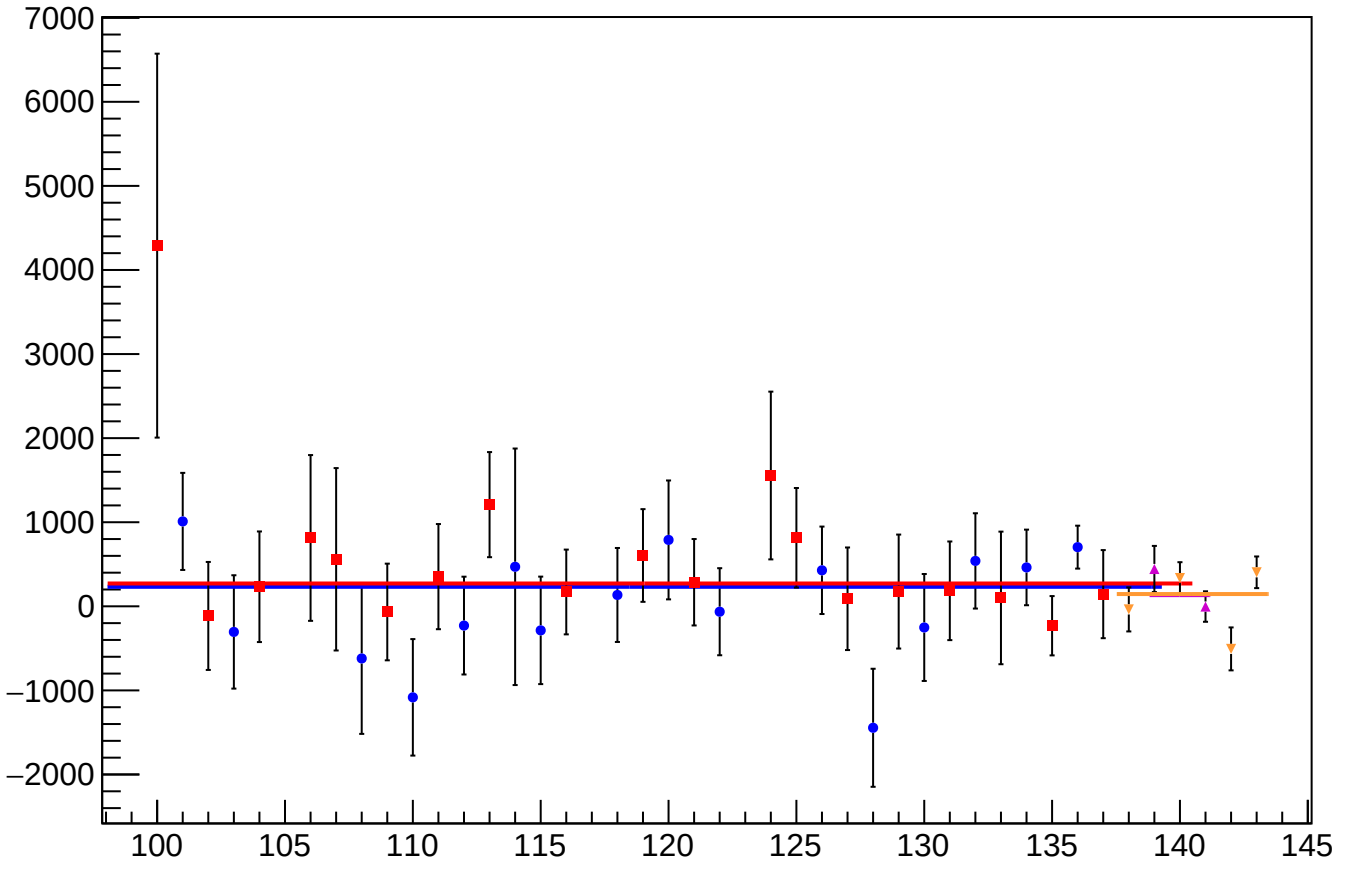
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 21.127+/-0.011 χ^2/NDF:14177.7/1

+ sign 24.220+/-0.006 χ^2/NDF: 914011.4/19

All: 24.748+/-0.004 χ^2/NDF: 1890850.1/40

- sign 25.393+/-0.006 χ^2/NDF: 956663.1/20



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 145.874+/-107.646 χ^2/NDF:9.9/3

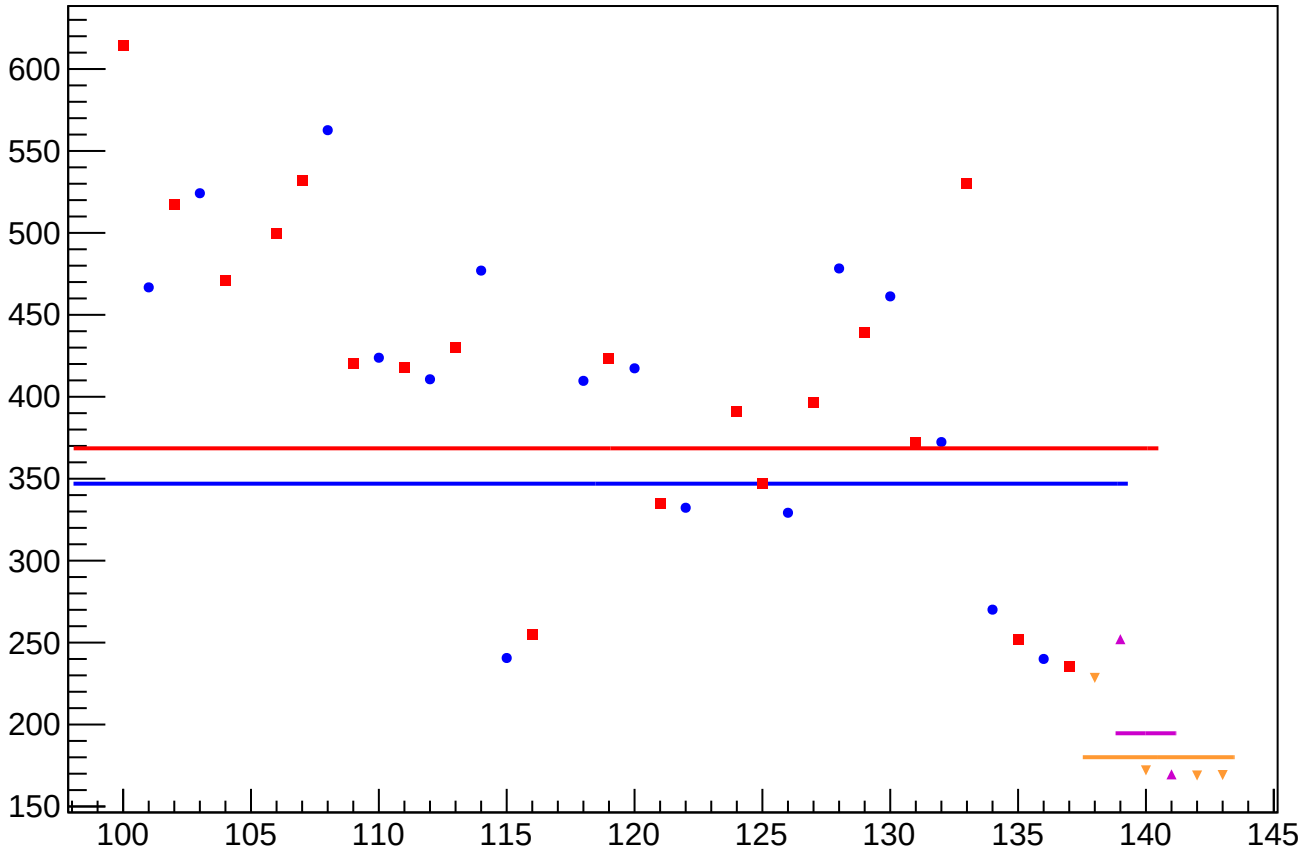
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 133.001+/-151.233 χ^2/NDF:1.8/1

+ sign 179.422+/-84.134 χ^2/NDF: 29.8/19

All: 190.663+/-65.111 χ^2/NDF: 43.8/40

- sign 207.448+/-102.809 χ^2/NDF: 13.9/20



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 180.060+/-0.076 χ^2/NDF:82396.0/3

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

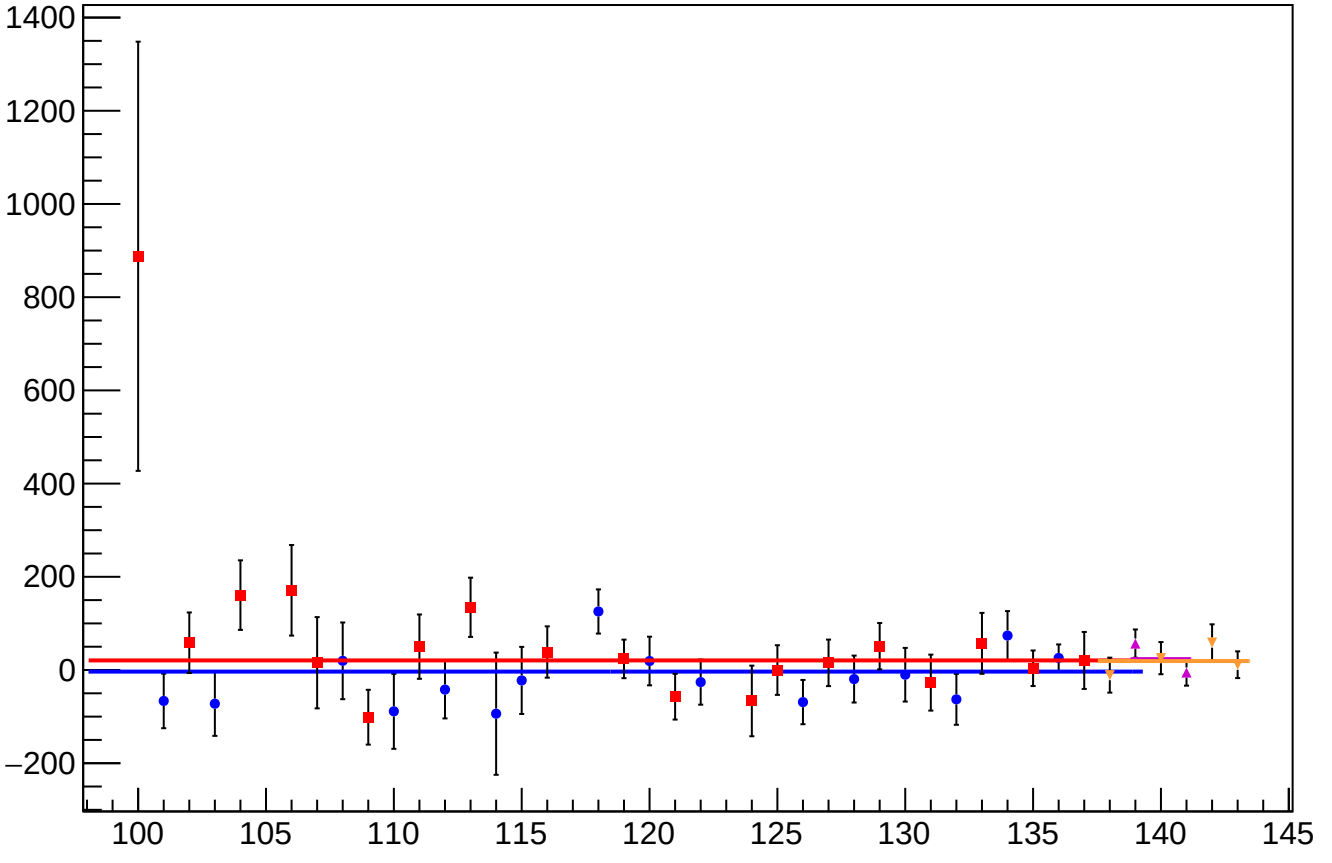
Left In: 194.663+/-0.107 χ^2/NDF:125836.6/1

+ sign 245.011+/-0.059 χ^2/NDF: 3011556.8/19

All: 262.328+/-0.046 χ^2/NDF: 5670914.9/40

- sign 288.187+/-0.073 χ^2/NDF: 2448092.7/20

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 19.249+/-17.102 χ^2/NDF:1.8/3

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

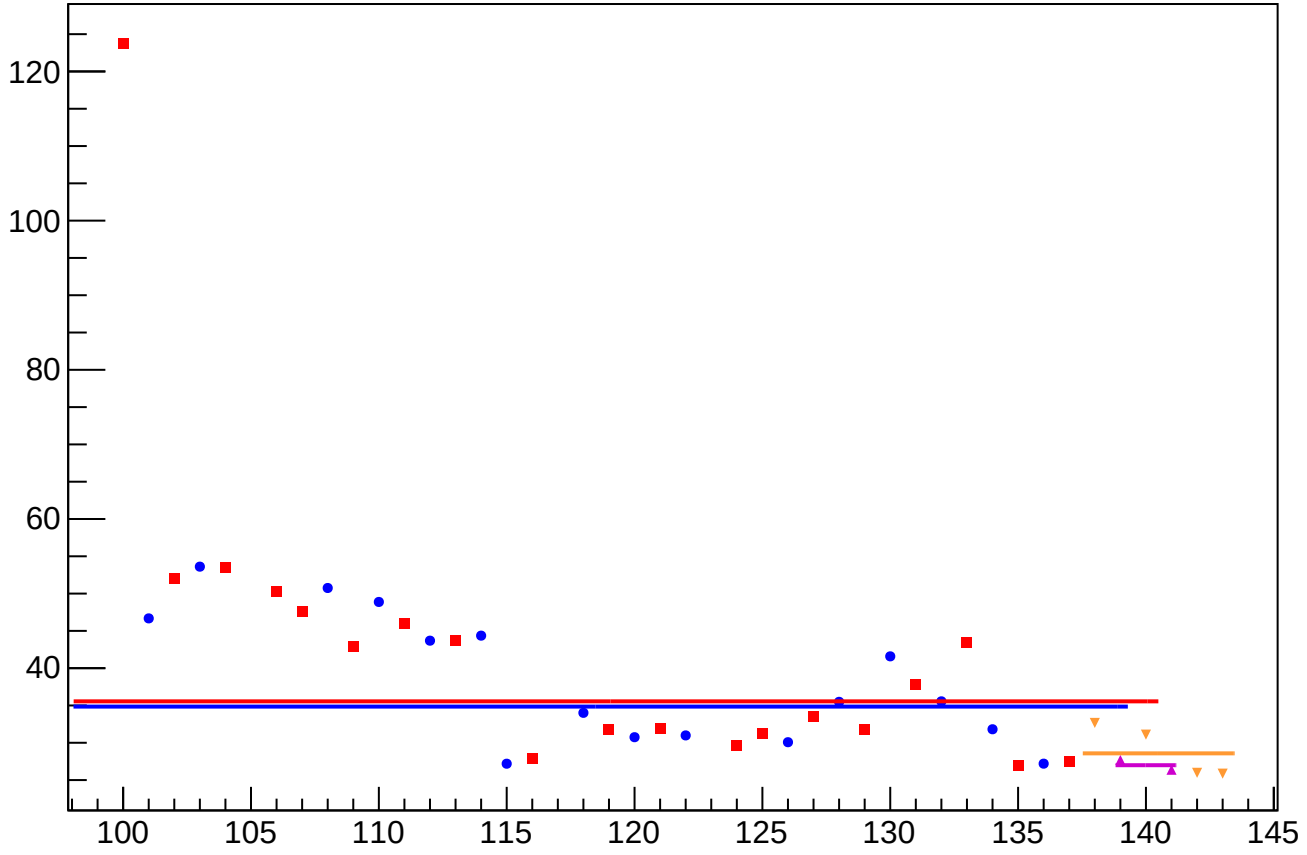
Left In: 23.401+/-20.636 χ^2/NDF:2.3/1

+ sign 5.195+/-10.544 χ^2/NDF: 21.3/19

All: 12.757+/-7.704 χ^2/NDF: 47.8/40

- sign 21.415+/-11.283 χ^2/NDF: 25.4/20

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 28.581+/-0.012 χ^2/NDF:61096.7/3

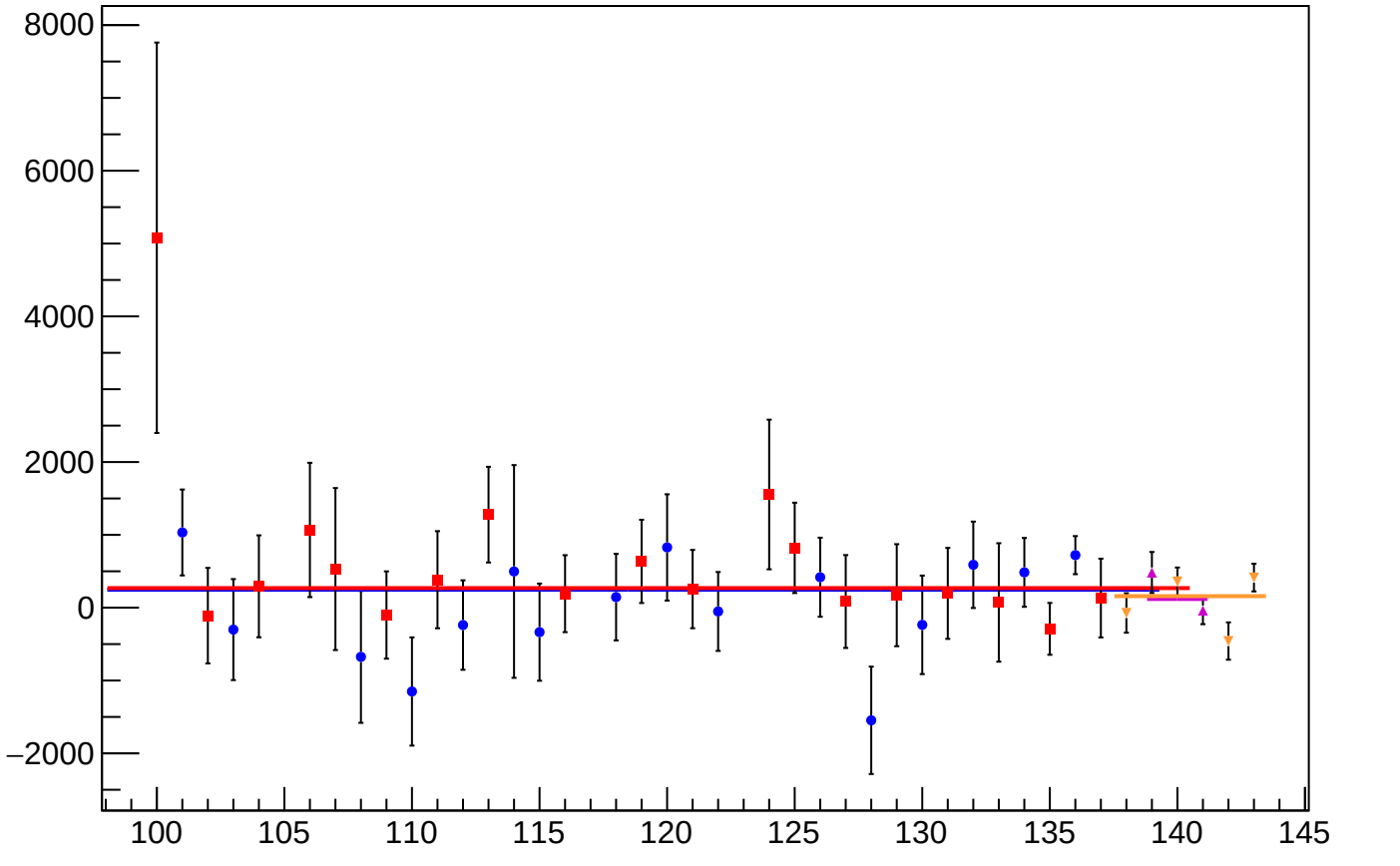
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.992+/-0.015 χ^2/NDF:2002.2/1

+ sign 32.467+/-0.007 χ^2/NDF: 885868.1/19

All: 32.713+/-0.005 χ^2/NDF: 1911371.7/40

- sign 32.994+/-0.008 χ^2/NDF: 1023175.4/20



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 158.414+/-109.315 χ^2/NDF:9.4/3

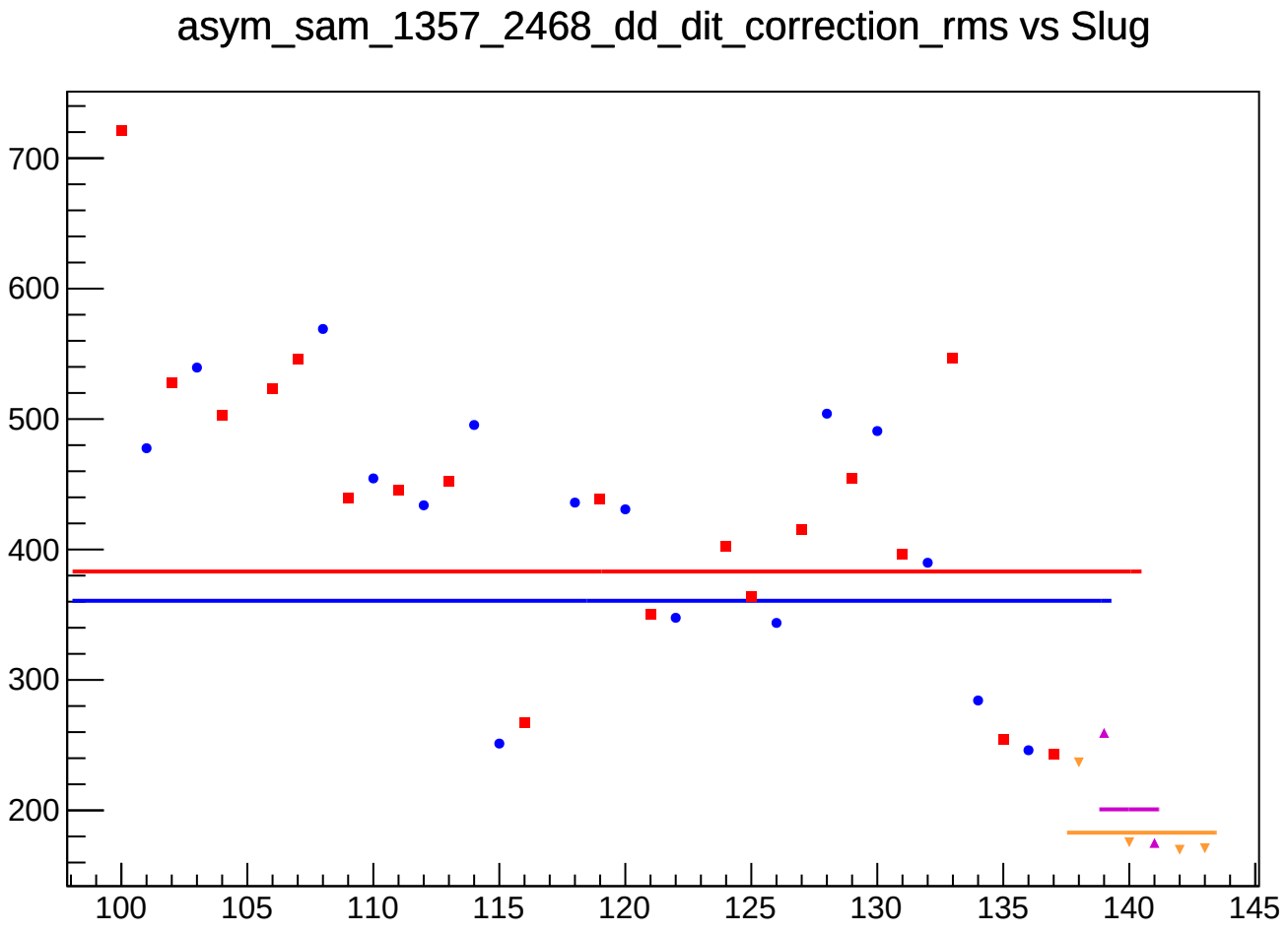
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 119.905+/-155.842 χ^2/NDF:2.4/1

+ sign 191.698+/-86.225 χ^2/NDF: 29.4/19

All: 194.844+/-66.958 χ^2/NDF: 44.9/40

- sign 199.621+/-106.272 χ^2/NDF: 15.5/20



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 182.925+/-0.077 χ^2/NDF:95299.6/3

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

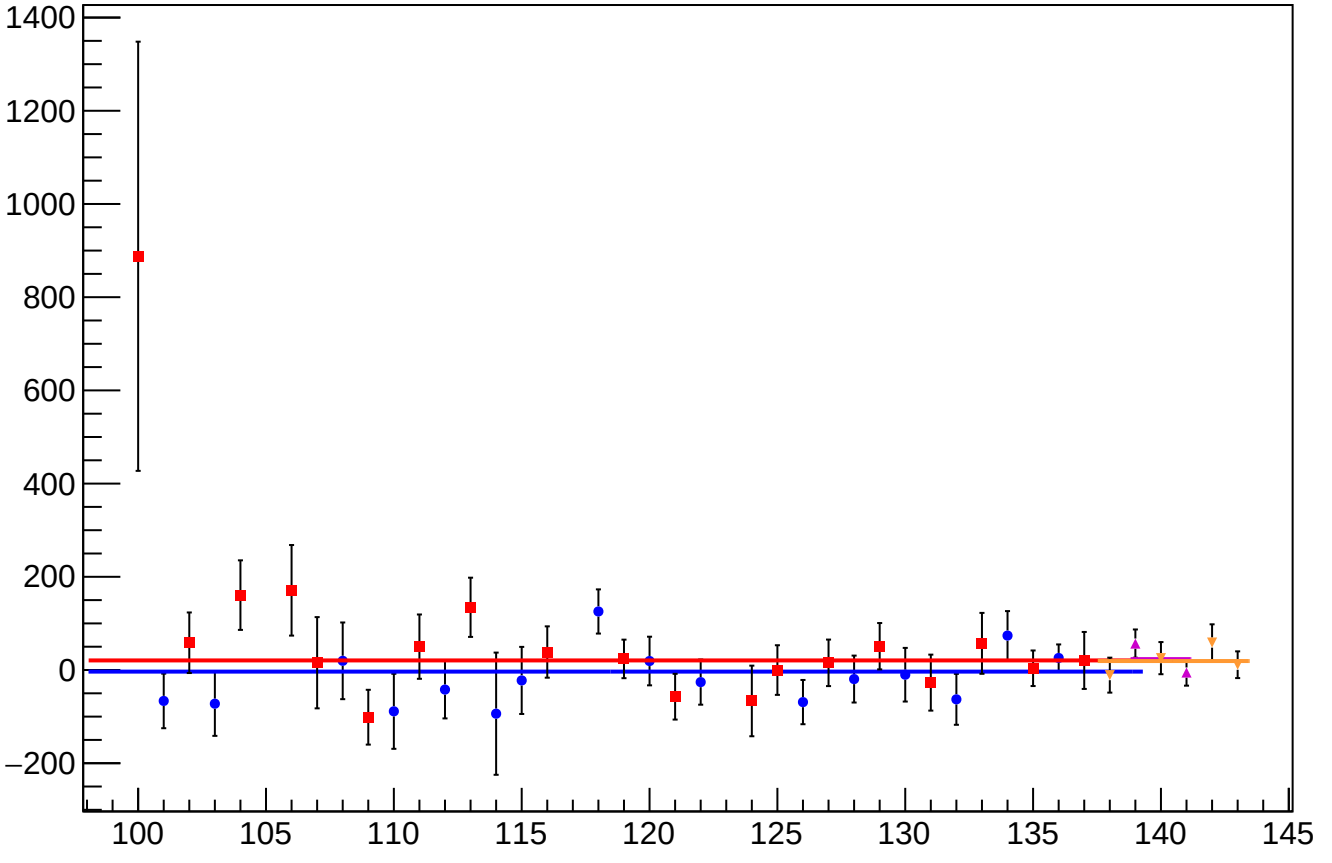
Left In: 200.763+/-0.110 χ^2/NDF:124120.6/1

+ sign 250.092+/-0.061 χ^2/NDF: 3186441.0/19

All: 269.240+/-0.047 χ^2/NDF: 5987345.4/40

- sign 298.326+/-0.075 χ^2/NDF: 2552452.5/20

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 19.249+/-17.102 χ^2/NDF:1.8/3

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

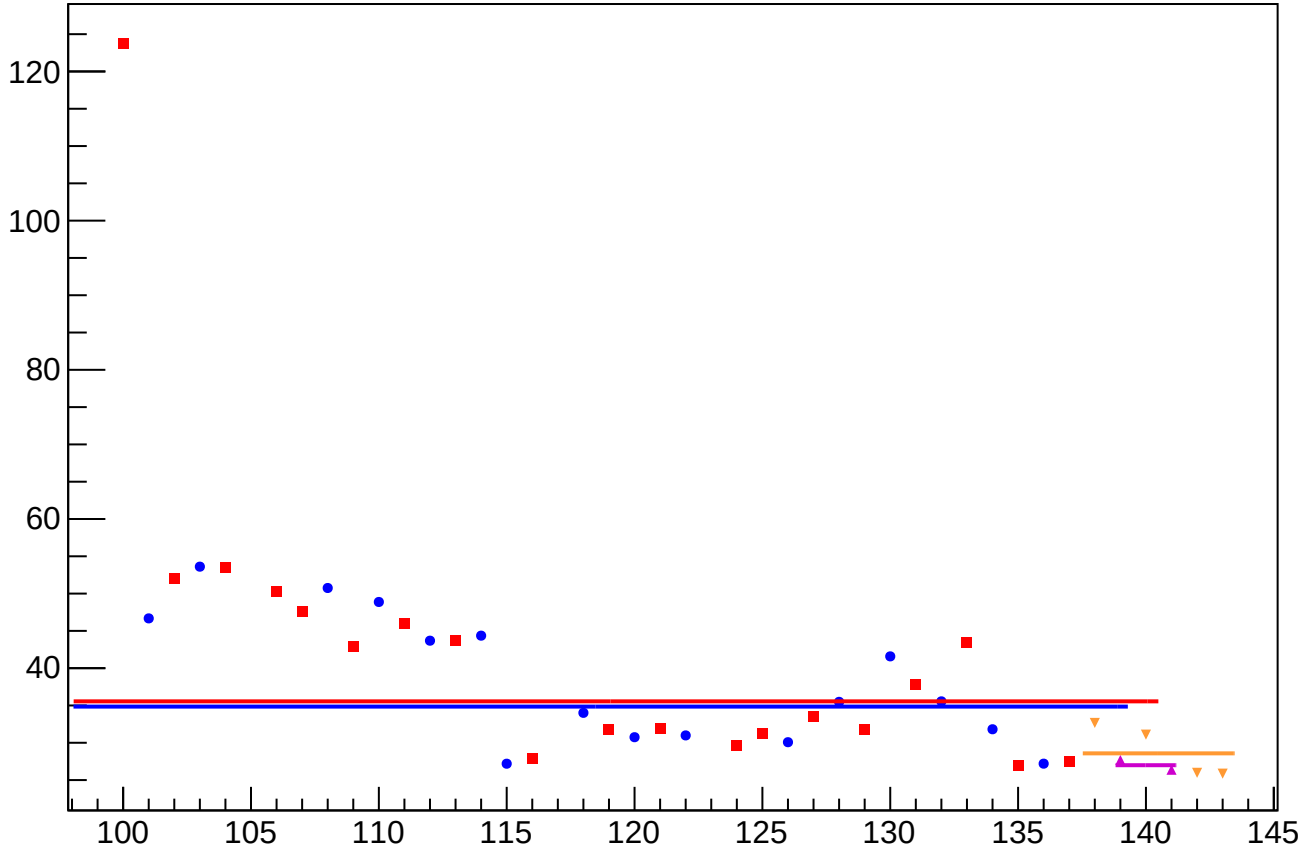
Left In: 23.399+/-20.636 χ^2/NDF:2.3/1

+ sign 5.194+/-10.544 χ^2/NDF: 21.3/19

All: 12.756+/-7.704 χ^2/NDF: 47.8/40

- sign 21.415+/-11.282 χ^2/NDF: 25.4/20

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 28.580+/-0.012 χ^2/NDF:61089.6/3

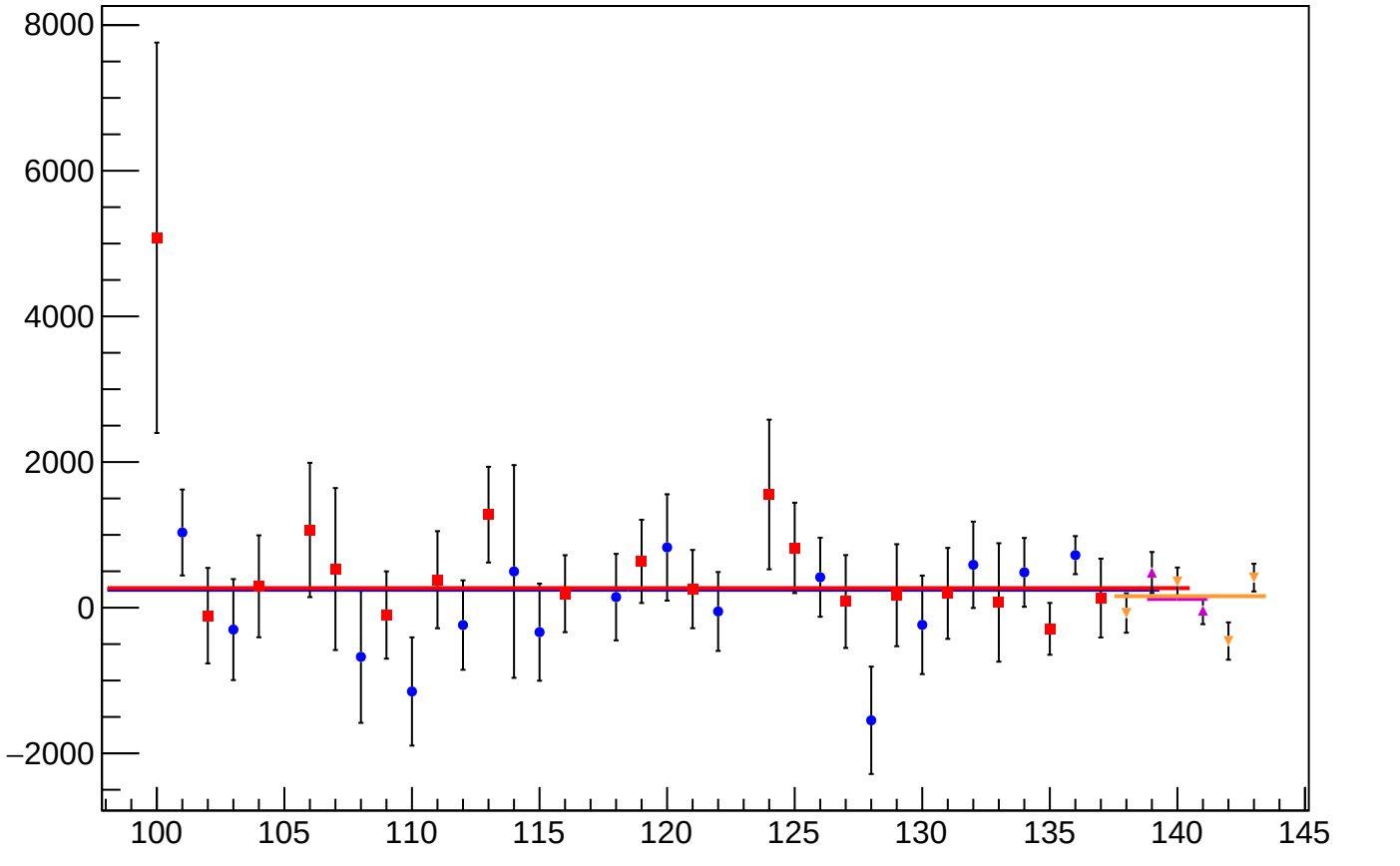
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.992+/-0.015 χ^2/NDF:2000.4/1

+ sign 32.467+/-0.007 χ^2/NDF: 885790.0/19

All: 32.712+/-0.005 χ^2/NDF: 1911257.0/40

- sign 32.994+/-0.008 χ^2/NDF: 1023139.1/20



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 158.414+/-109.314 χ^2/NDF:9.4/3

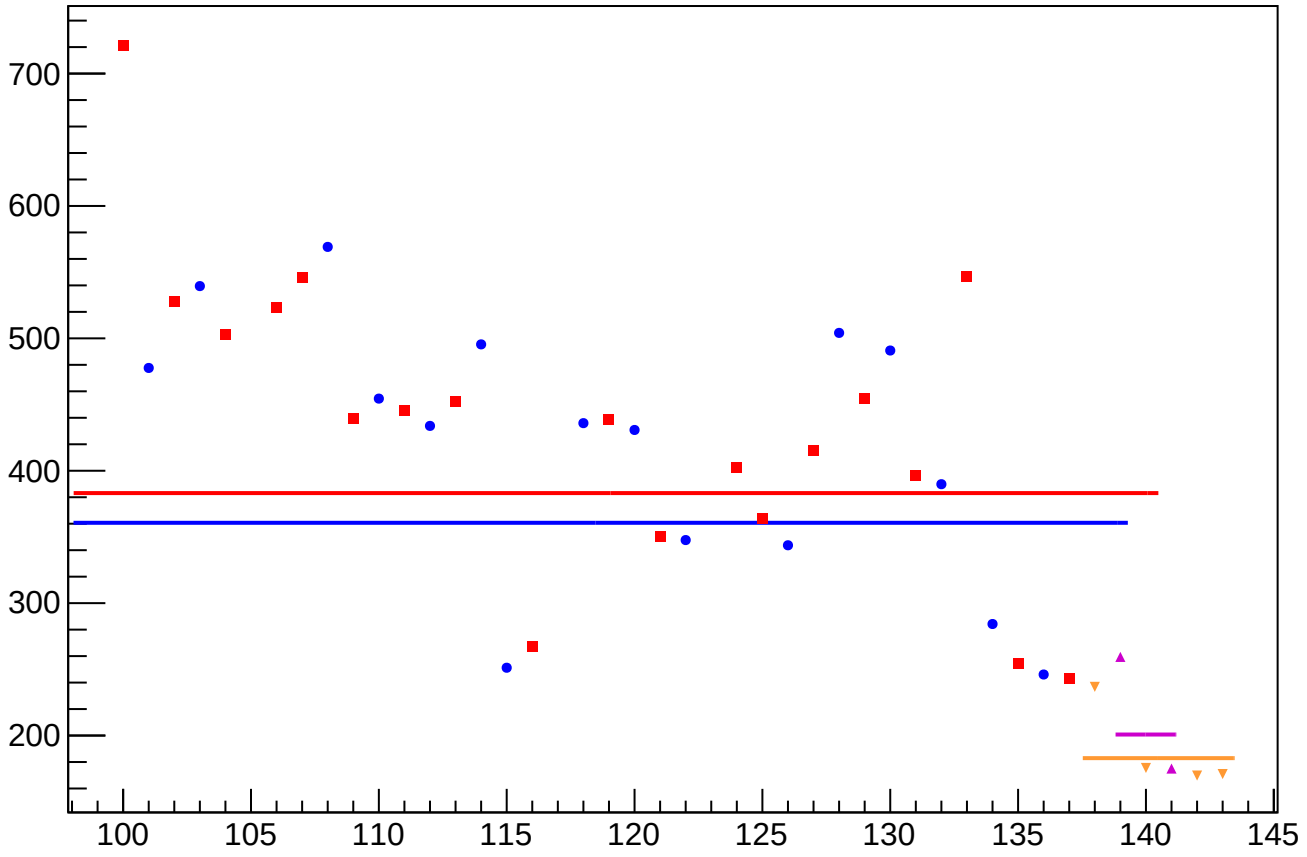
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 119.906+/-155.841 χ^2/NDF:2.4/1

+ sign 191.698+/-86.224 χ^2/NDF: 29.4/19

All: 194.843+/-66.957 χ^2/NDF: 44.9/40

- sign 199.622+/-106.272 χ^2/NDF: 15.5/20



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 182.925+/-0.077 χ^2/NDF:95293.0/3

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

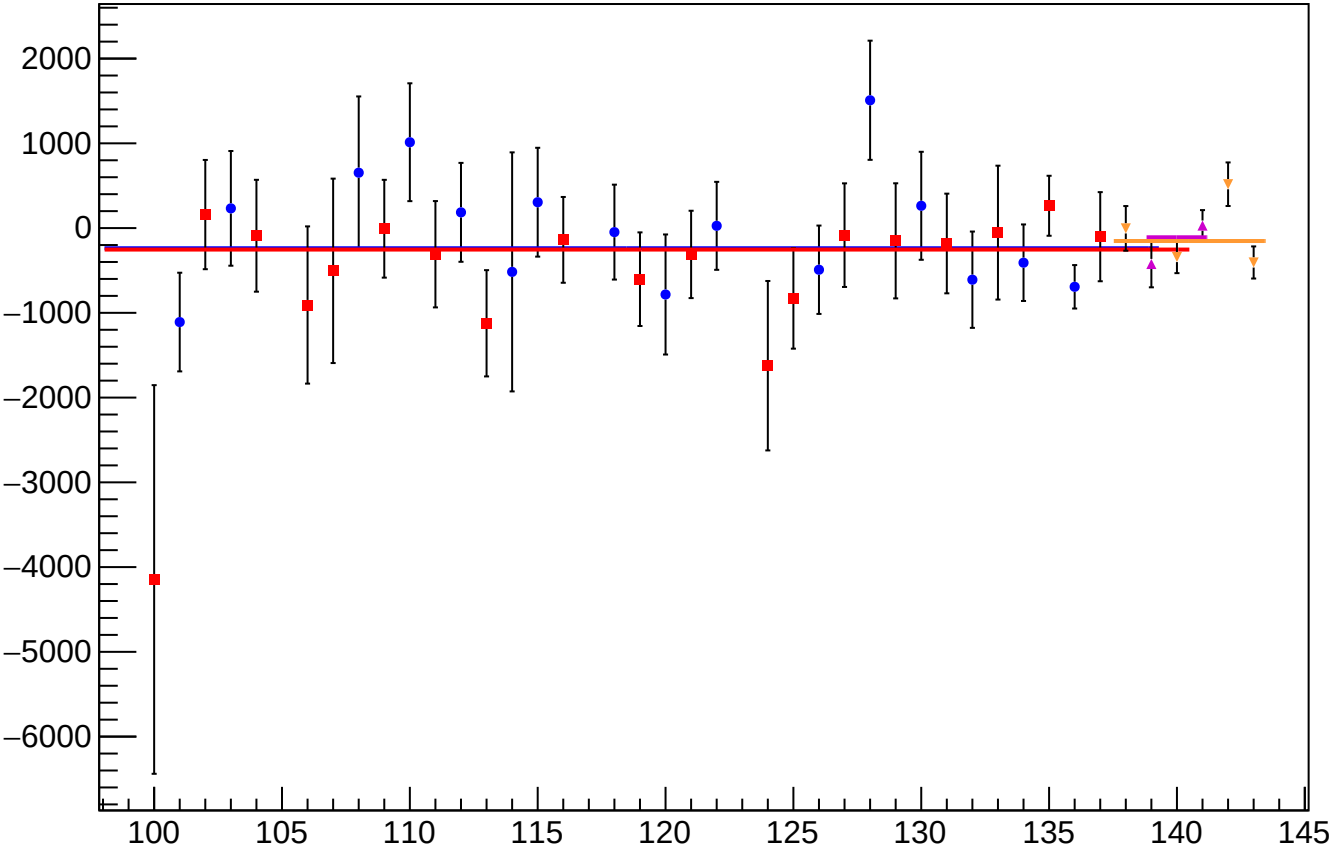
Left In: 200.762+/-0.110 χ^2/NDF:124118.1/1

+ sign 250.092+/-0.061 χ^2/NDF: 3186421.3/19

All: 269.239+/-0.047 χ^2/NDF: 5987324.3/40

- sign 298.325+/-0.075 χ^2/NDF: 2552457.0/20

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -152.539+/-108.412 χ^2/NDF:9.9/3

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

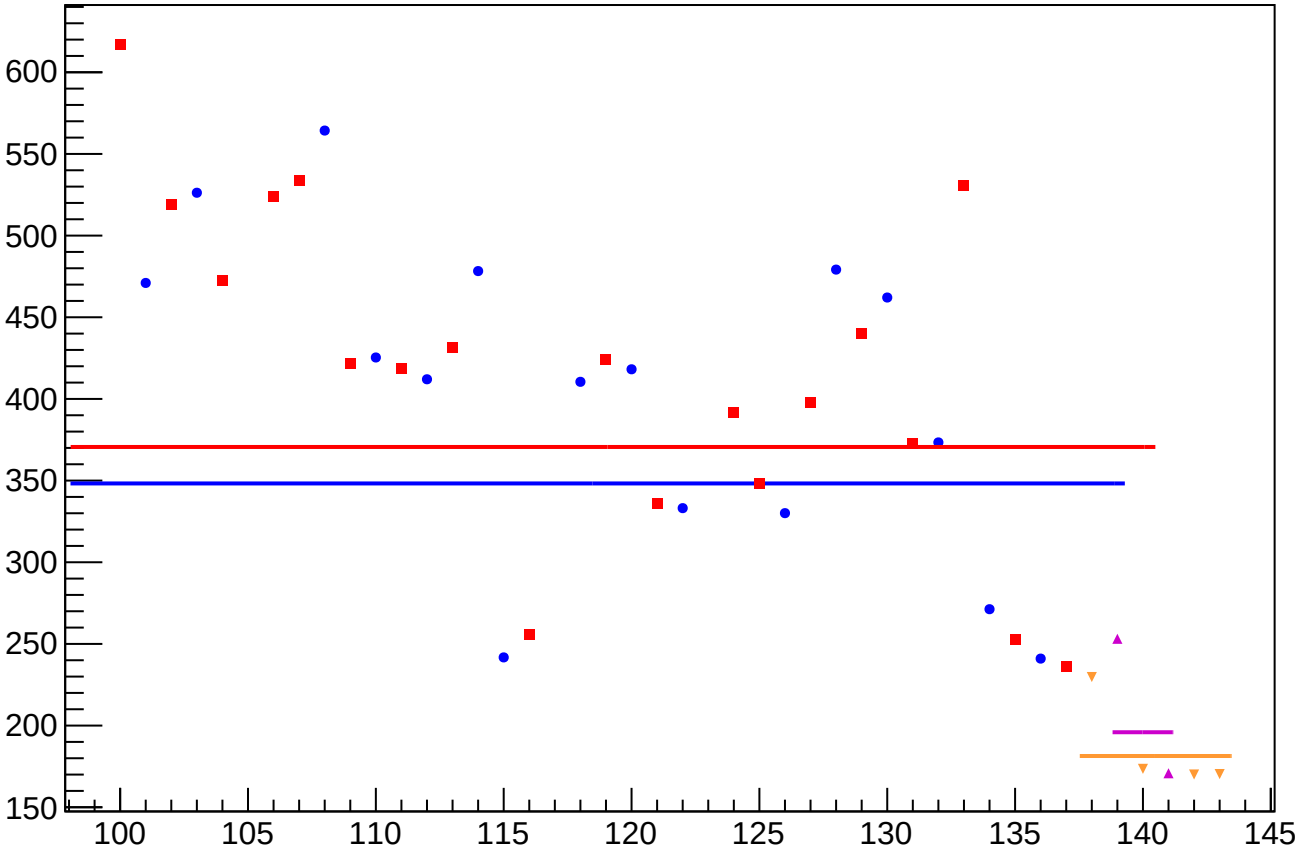
Left In: -108.610+/-152.165 χ^2/NDF:1.9/1

+ sign -185.956+/-84.615 χ^2/NDF: 30.1/19

All: -186.310+/-65.431 χ^2/NDF: 44.1/40

- sign -186.835+/-103.192 χ^2/NDF: 14.1/20

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 181.372+/-0.077 χ^2/NDF:81512.5/3

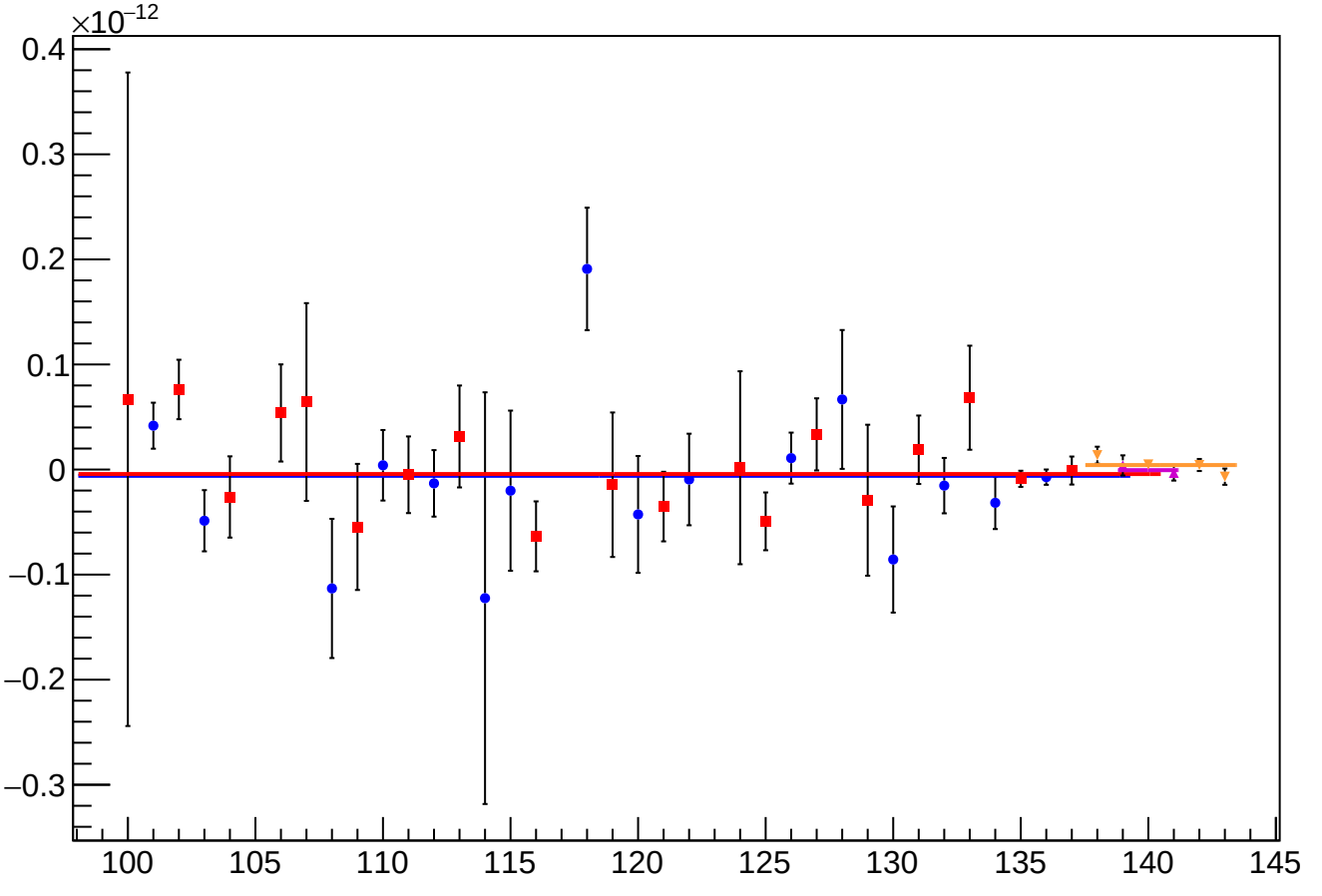
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 195.924+/-0.108 χ^2/NDF:124124.4/1

+ sign 246.593+/-0.060 χ^2/NDF: 2990468.6/19

All: 264.149+/-0.046 χ^2/NDF: 5669837.1/40

- sign 290.259+/-0.073 χ^2/NDF: 2465237.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/3

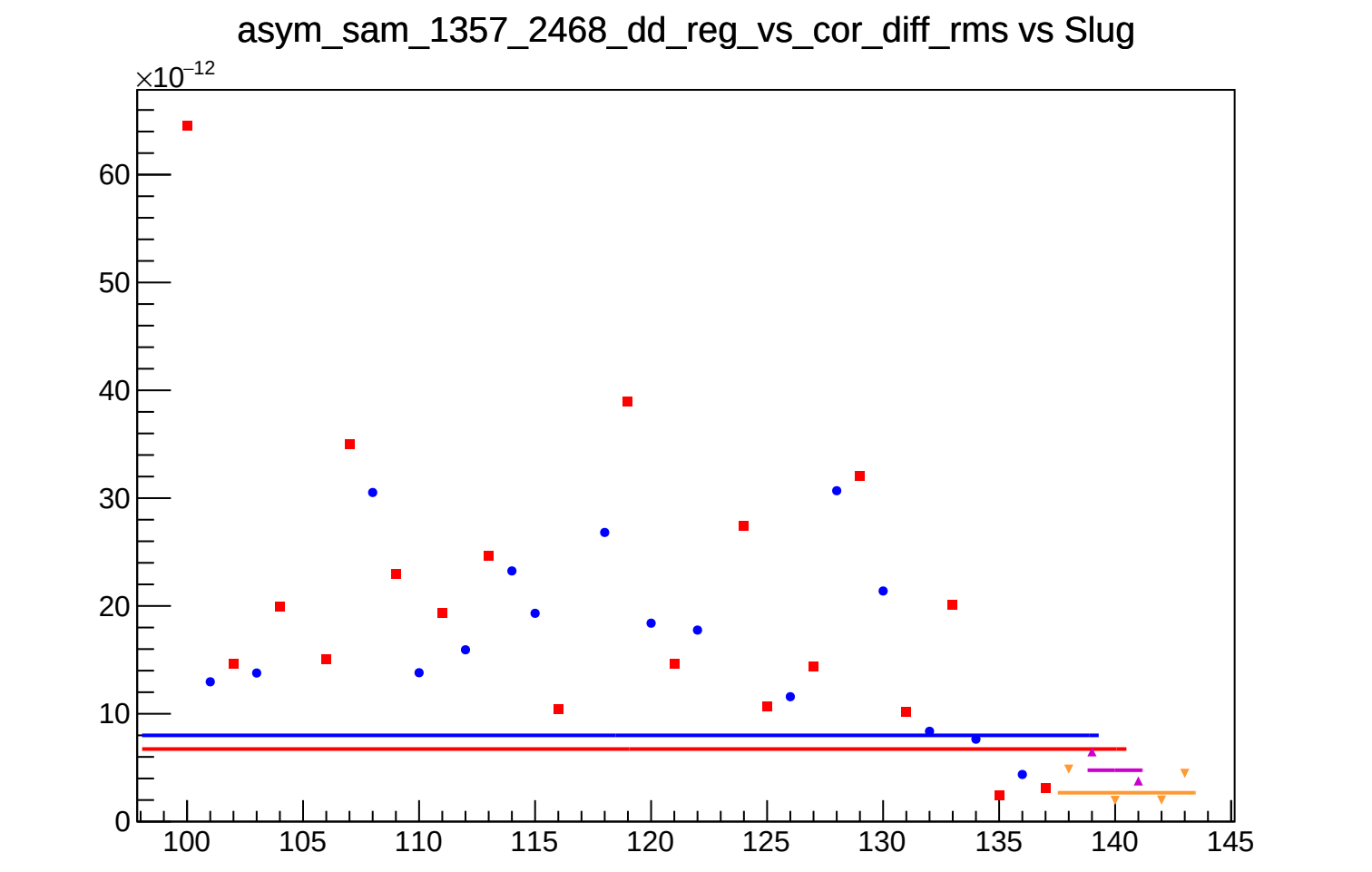
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 33.3/19

All: 0.000+/-0.000 χ^2/NDF: 57.8/40

- sign -0.000+/-0.000 χ^2/NDF: 23.5/20



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:344762.0/3

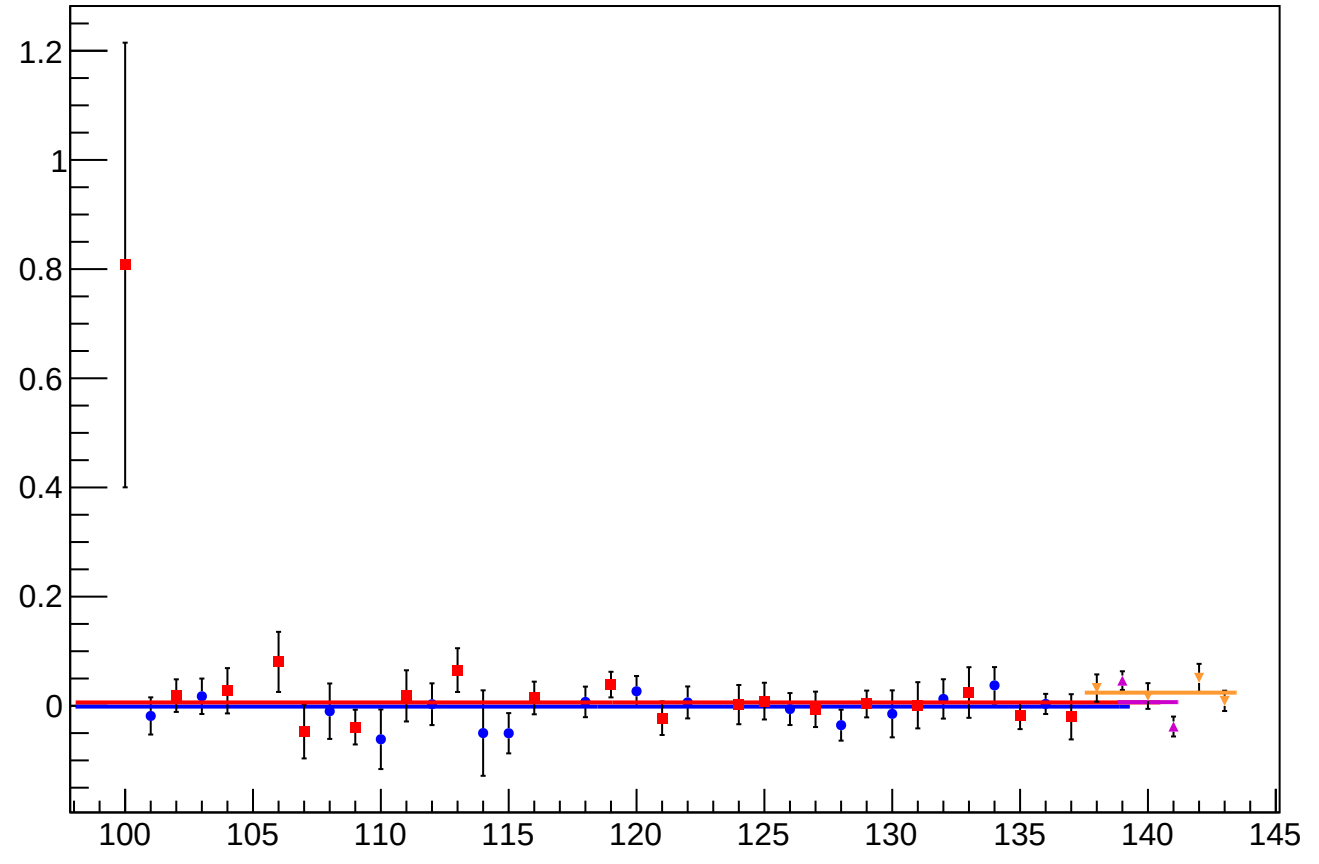
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:100674.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 3694327.1/19

All: 0.000+/-0.000 χ^2/NDF: 7665535.5/40

- sign 0.000+/-0.000 χ^2/NDF: 3599792.7/20



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.024+/-0.011 χ^2/NDF:1.9/3

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

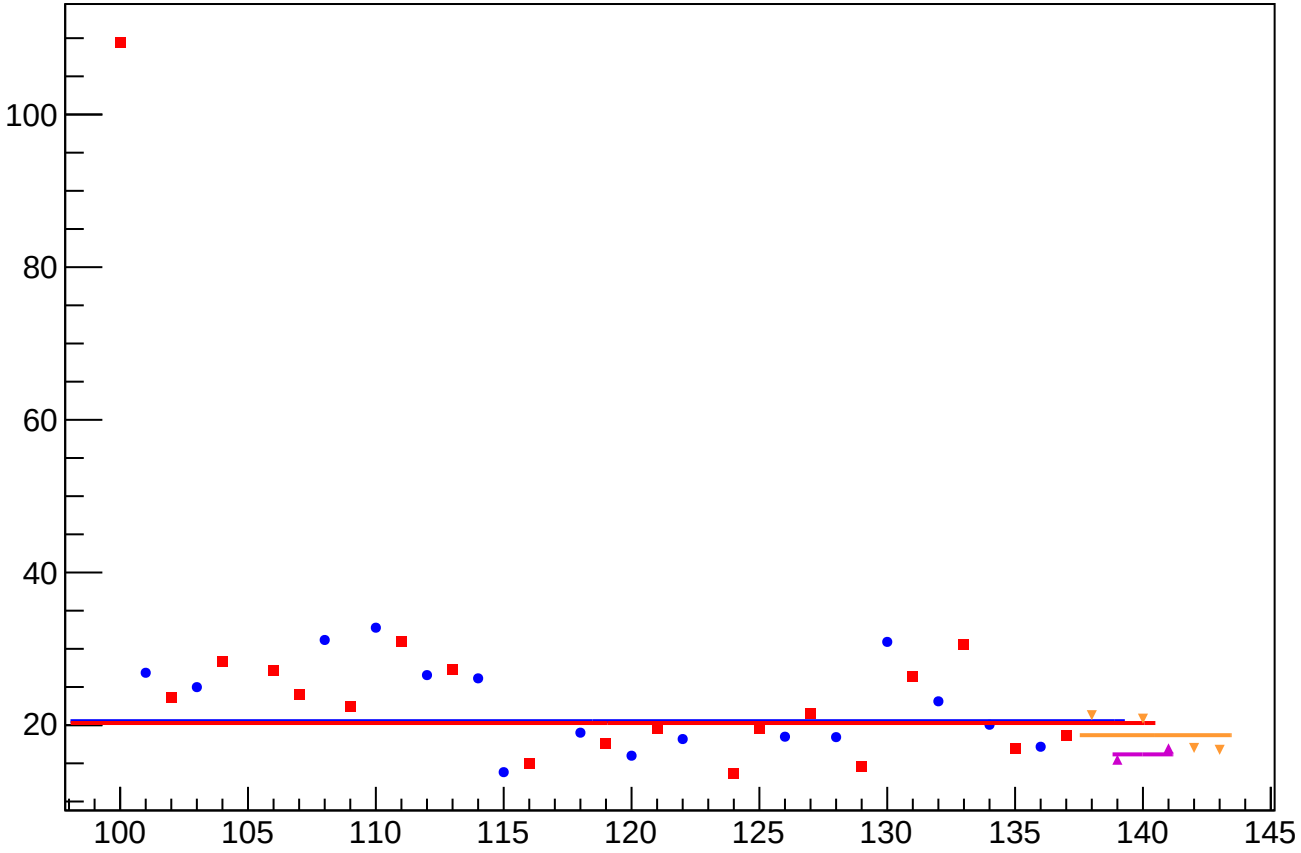
Left In: 0.007+/-0.012 χ^2/NDF:11.3/1

+ sign 0.007+/-0.007 χ^2/NDF: 13.6/19

All: 0.007+/-0.005 χ^2/NDF: 41.2/40

- sign 0.006+/-0.007 χ^2/NDF: 27.6/20

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: 18.688+/-0.008 χ^2/NDF:68418.0/3

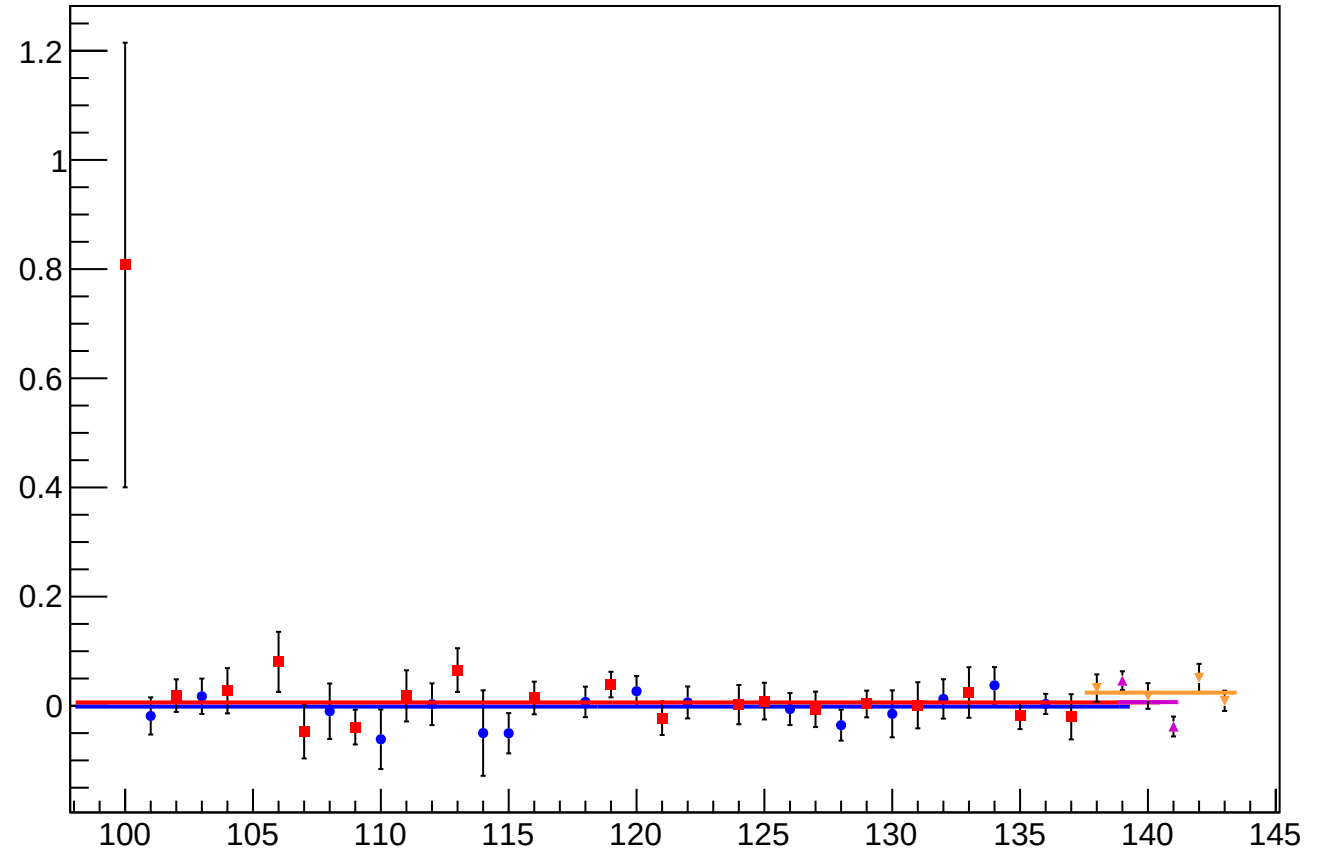
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.174+/-0.009 χ^2/NDF:7084.9/1

+ sign 19.905+/-0.005 χ^2/NDF: 809231.9/19

All: 19.512+/-0.003 χ^2/NDF: 1850284.0/40

- sign 19.108+/-0.005 χ^2/NDF: 1026540.9/20



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.024+/-0.011 χ^2/NDF:1.9/3

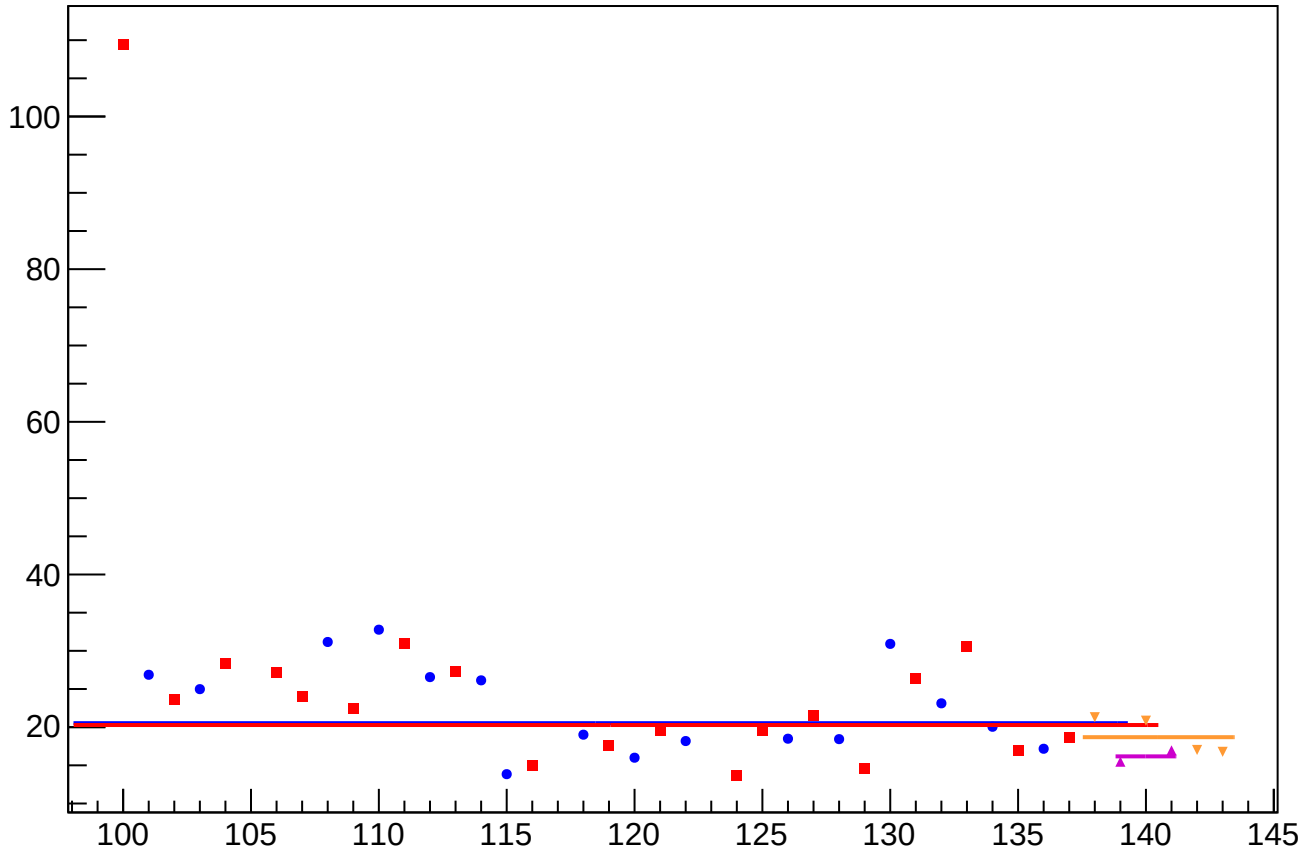
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.007+/-0.012 χ^2/NDF:11.3/1

+ sign 0.007+/-0.007 χ^2/NDF: 13.6/19

All: 0.007+/-0.005 χ^2/NDF: 41.2/40

- sign 0.006+/-0.007 χ^2/NDF: 27.6/20



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 18.688+/-0.008 χ^2/NDF:68418.0/3

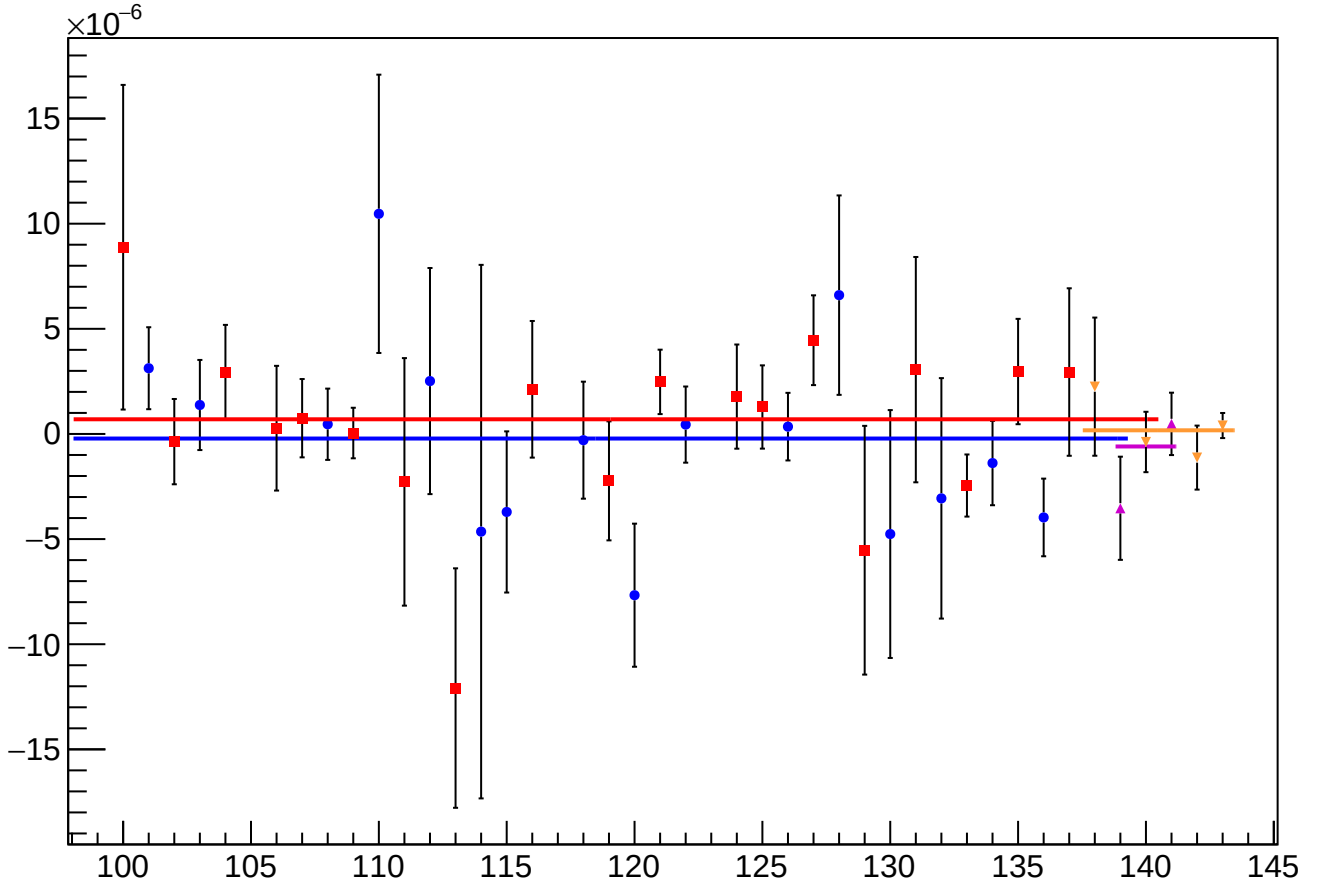
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.174+/-0.009 χ^2/NDF:7084.9/1

+ sign 19.905+/-0.005 χ^2/NDF: 809231.9/19

All: 19.512+/-0.003 χ^2/NDF: 1850284.0/40

- sign 19.108+/-0.005 χ^2/NDF: 1026540.9/20



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

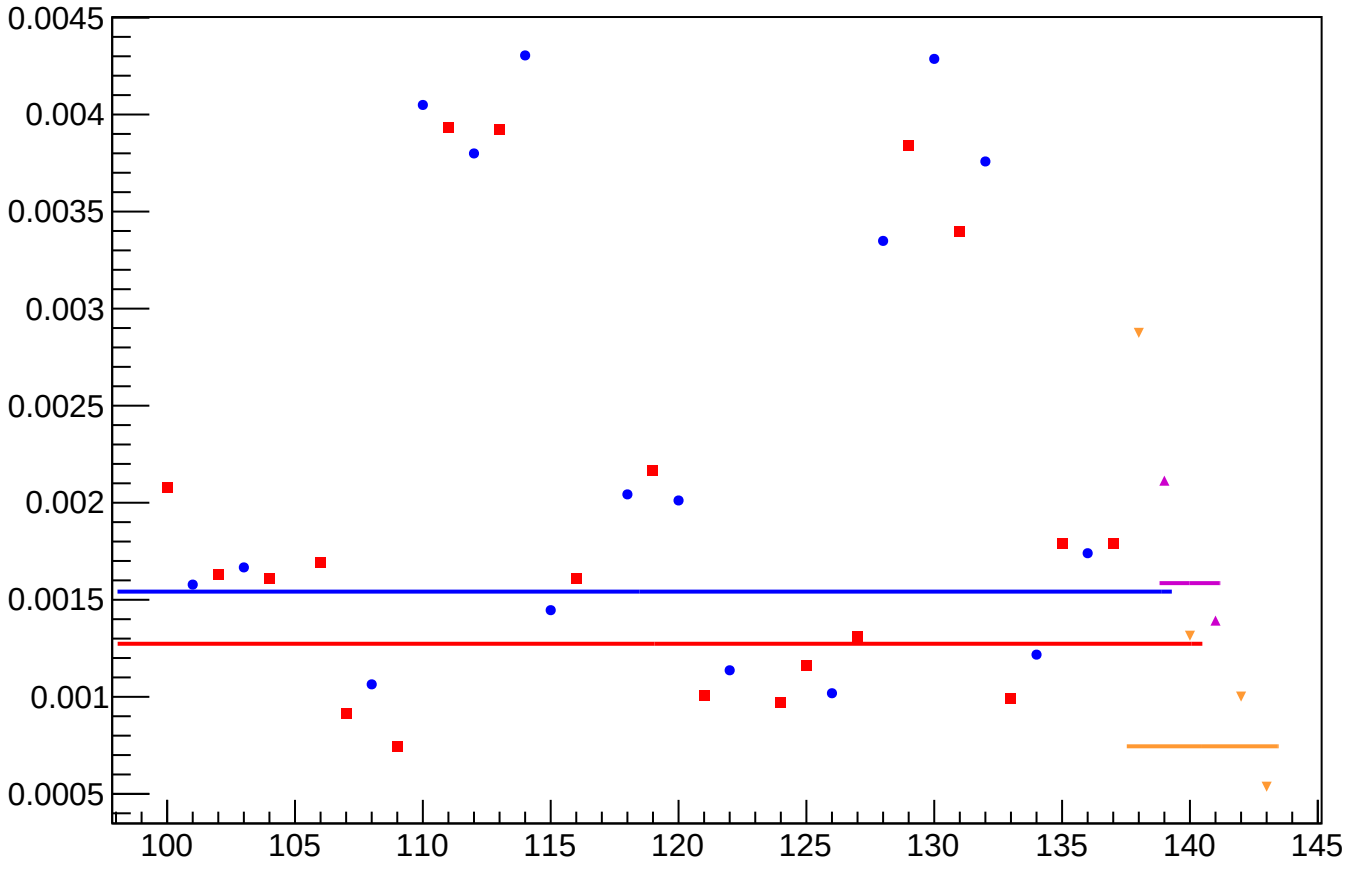
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/1

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/19

All: 0.000+/-0.000 χ^2/NDF: 46.0/40

- sign 0.000+/-0.000 χ^2/NDF: 23.8/20



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1455317.9/3

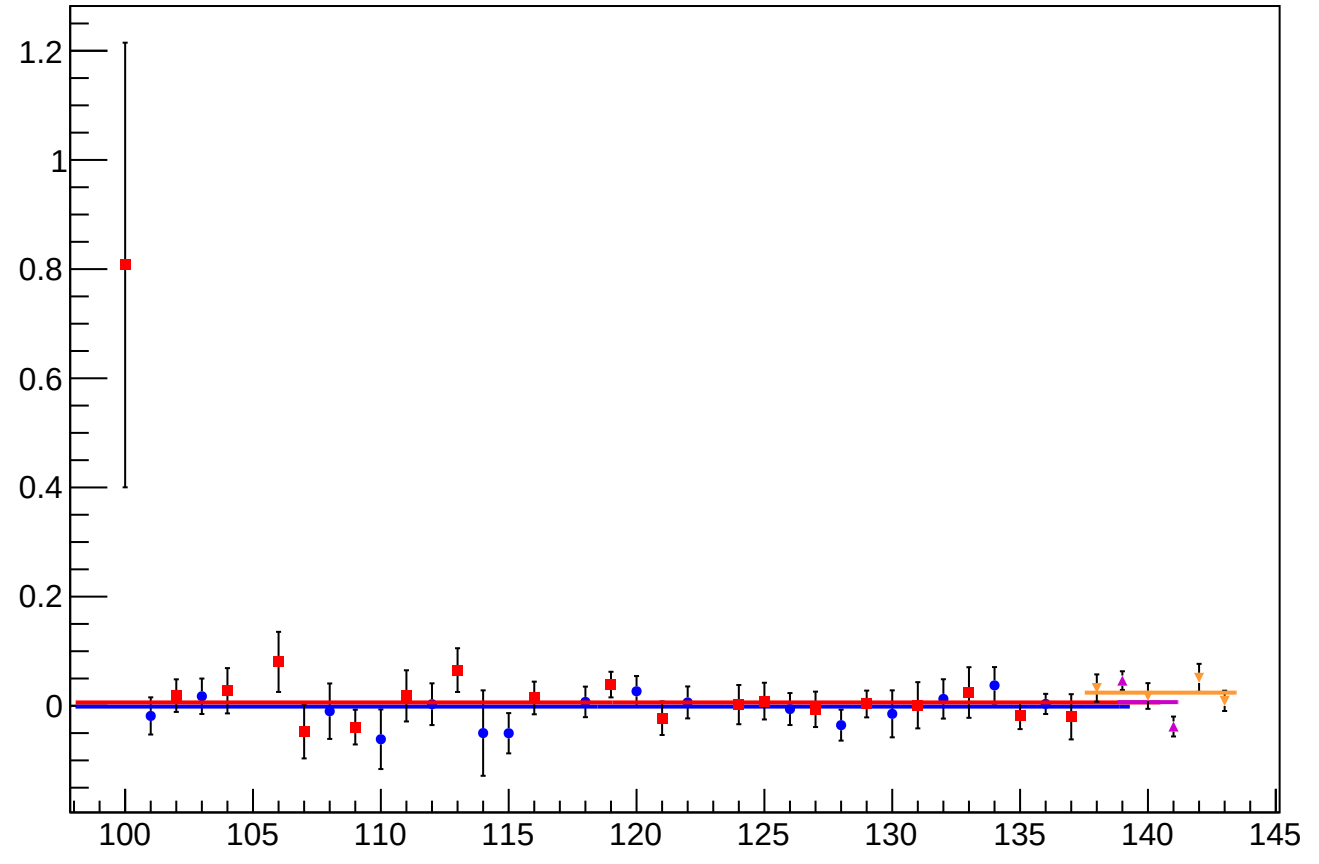
Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.002+/-0.000 χ^2/NDF:126464.5/1

+ sign 0.001+/-0.000 χ^2/NDF: 5797181.4/19

All: 0.001+/-0.000 χ^2/NDF: 9031581.1/40

- sign 0.001+/-0.000 χ^2/NDF: 2897363.9/20



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.024+/-0.011 χ^2/NDF:1.9/3

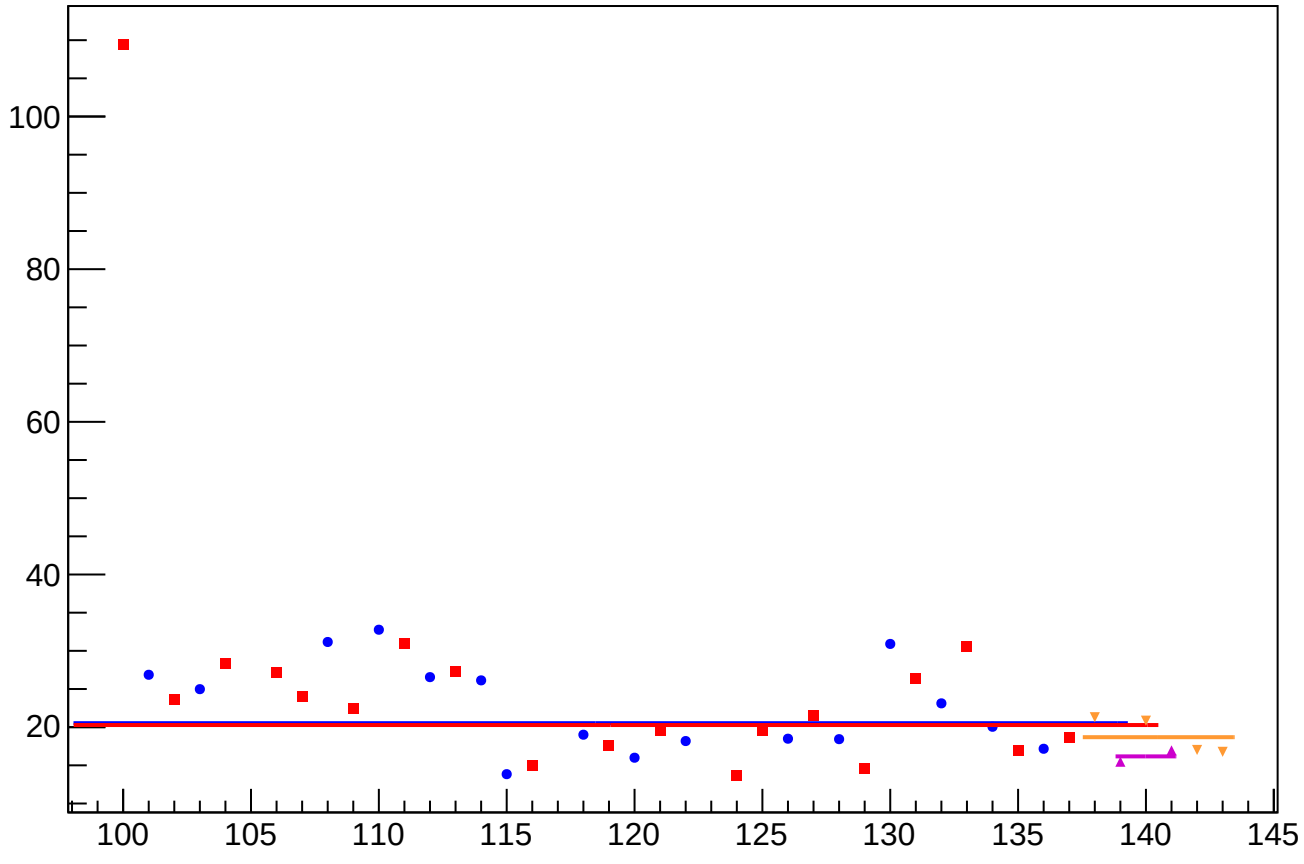
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.007+/-0.012 χ^2/NDF:11.3/1

+ sign 0.007+/-0.007 χ^2/NDF: 13.6/19

All: 0.007+/-0.005 χ^2/NDF: 41.2/40

- sign 0.006+/-0.007 χ^2/NDF: 27.6/20



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 18.688+/-0.008 χ^2/NDF:68400.7/3

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

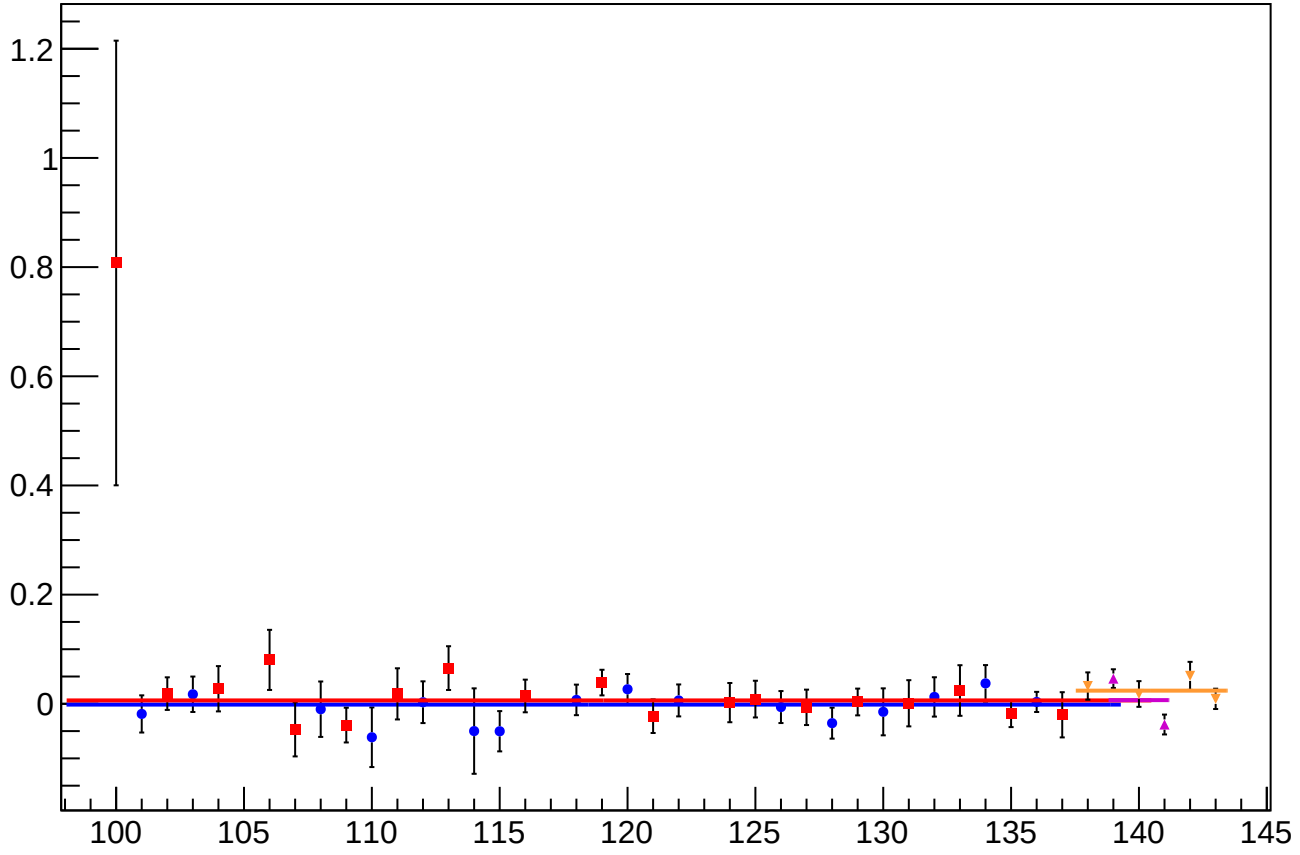
Left In: 16.174+/-0.009 χ^2/NDF:7095.8/1

+ sign 19.905+/-0.005 χ^2/NDF: 809076.2/19

All: 19.512+/-0.003 χ^2/NDF: 1850156.6/40

- sign 19.107+/-0.005 χ^2/NDF: 1026558.6/20

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.024+/-0.011 χ^2/NDF:1.9/3

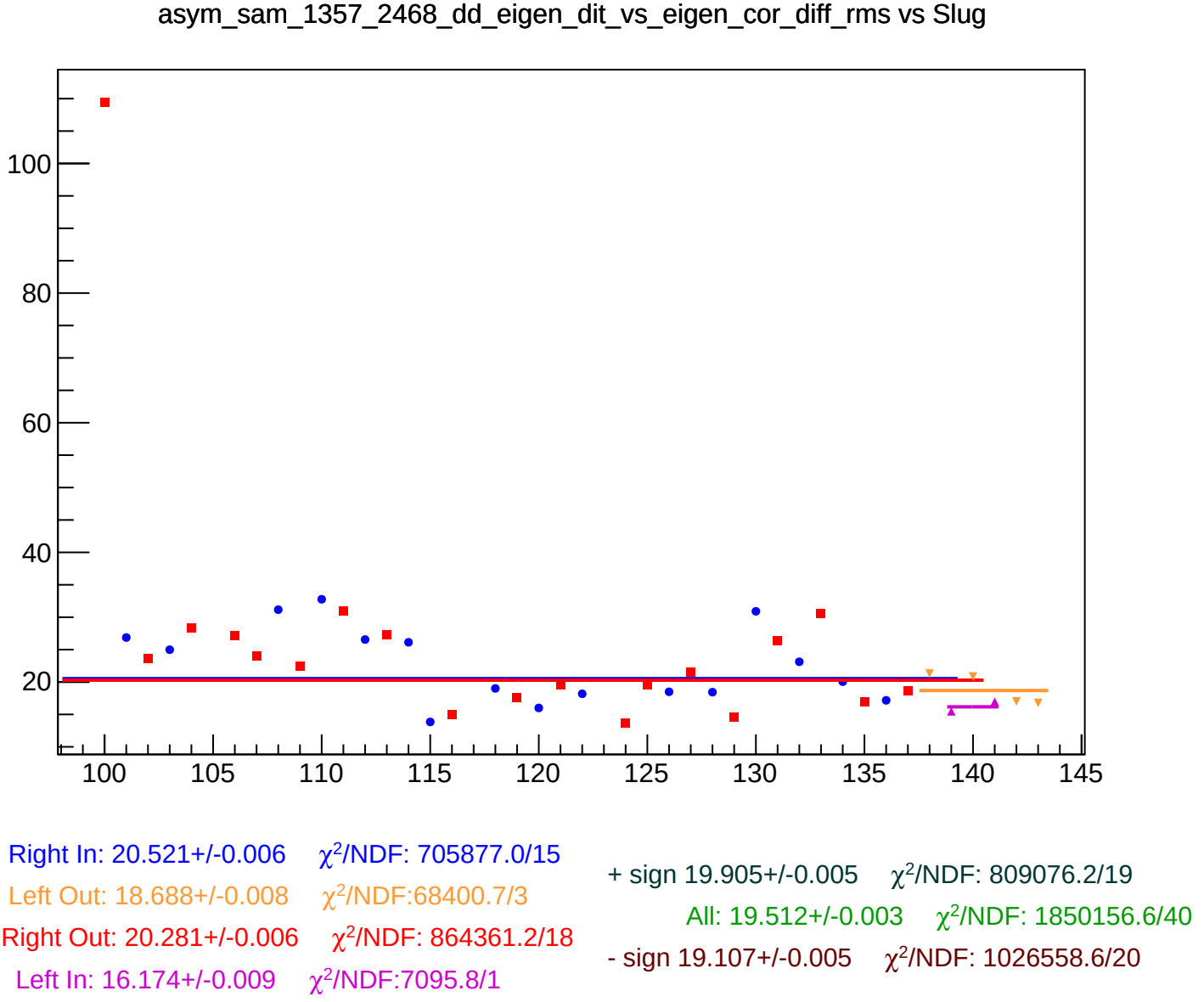
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.007+/-0.012 χ^2/NDF:11.3/1

+ sign 0.007+/-0.007 χ^2/NDF: 13.6/19

All: 0.007+/-0.005 χ^2/NDF: 41.2/40

- sign 0.006+/-0.007 χ^2/NDF: 27.6/20


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
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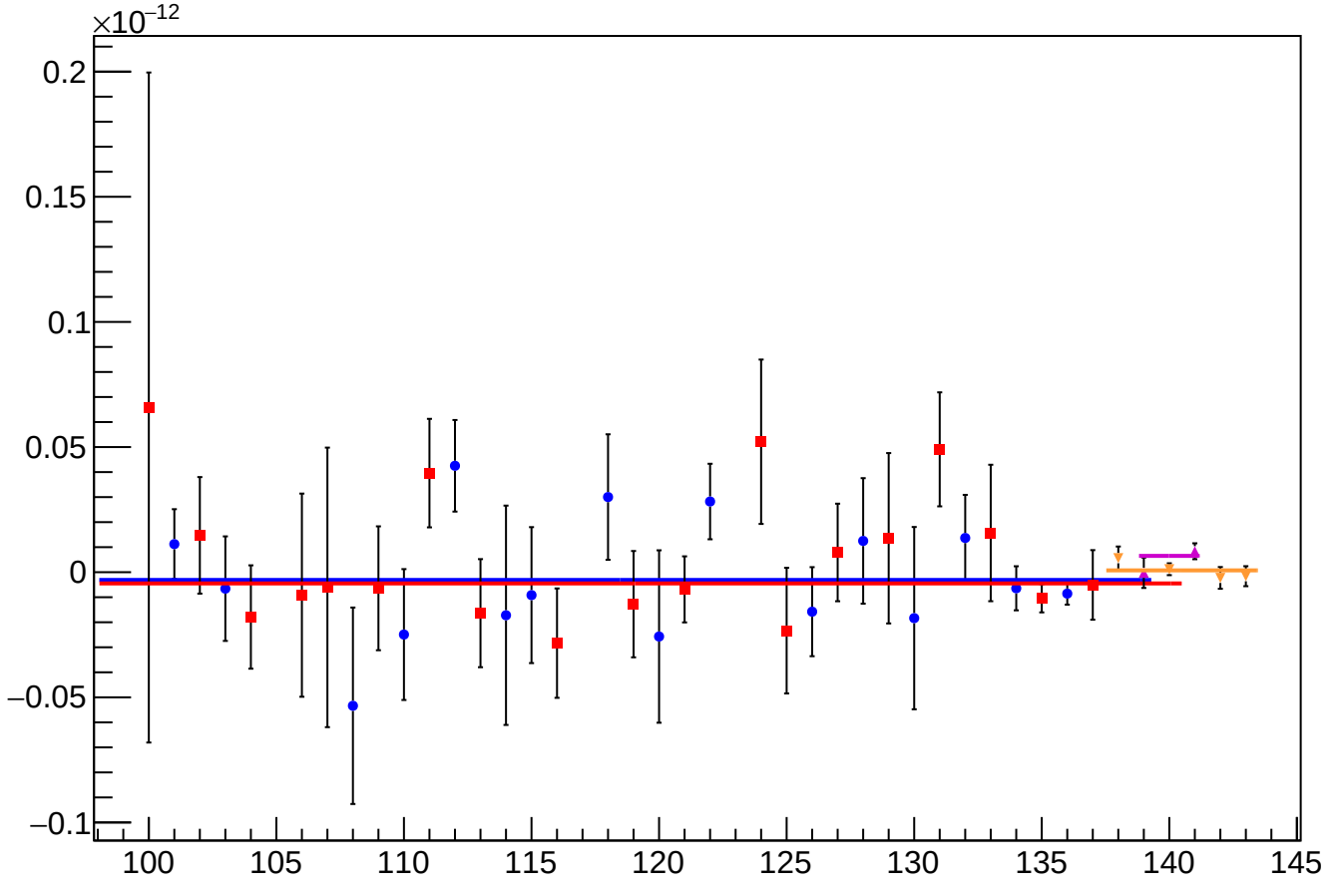
145
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 18.688+/-0.008 χ²/NDF:68400.7/3
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.174+/-0.009 χ²/NDF:7095.8/1
+ sign 19.905+/-0.005 χ²/NDF: 809076.2/19
All: 19.512+/-0.003 χ²/NDF: 1850156.6/40
- sign 19.107+/-0.005 χ²/NDF: 1026558.6/20



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

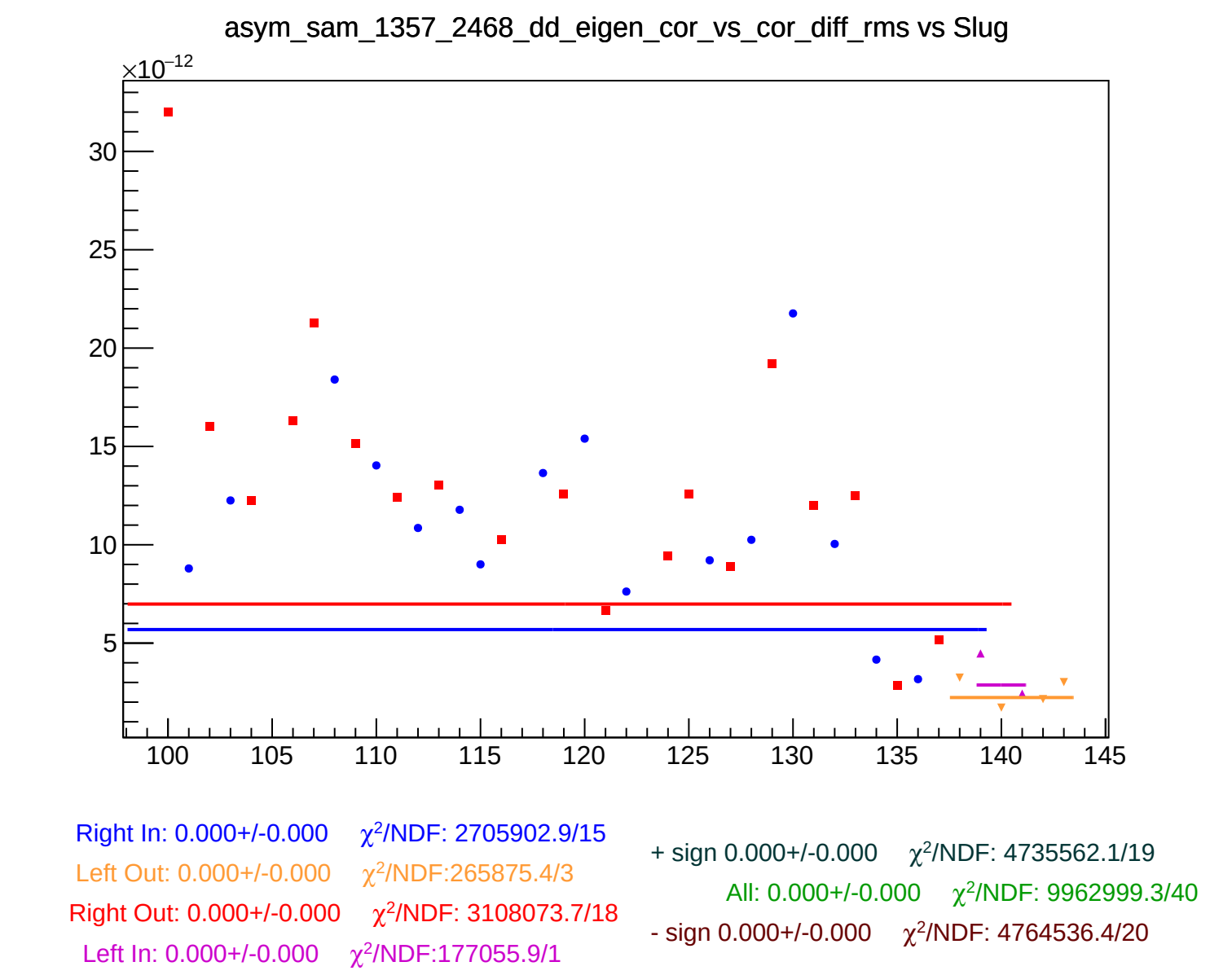
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/1

+ sign -0.000+/-0.000 χ^2/NDF: 23.0/19

All: 0.000+/-0.000 χ^2/NDF: 49.5/40

- sign 0.000+/-0.000 χ^2/NDF: 25.5/20


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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10
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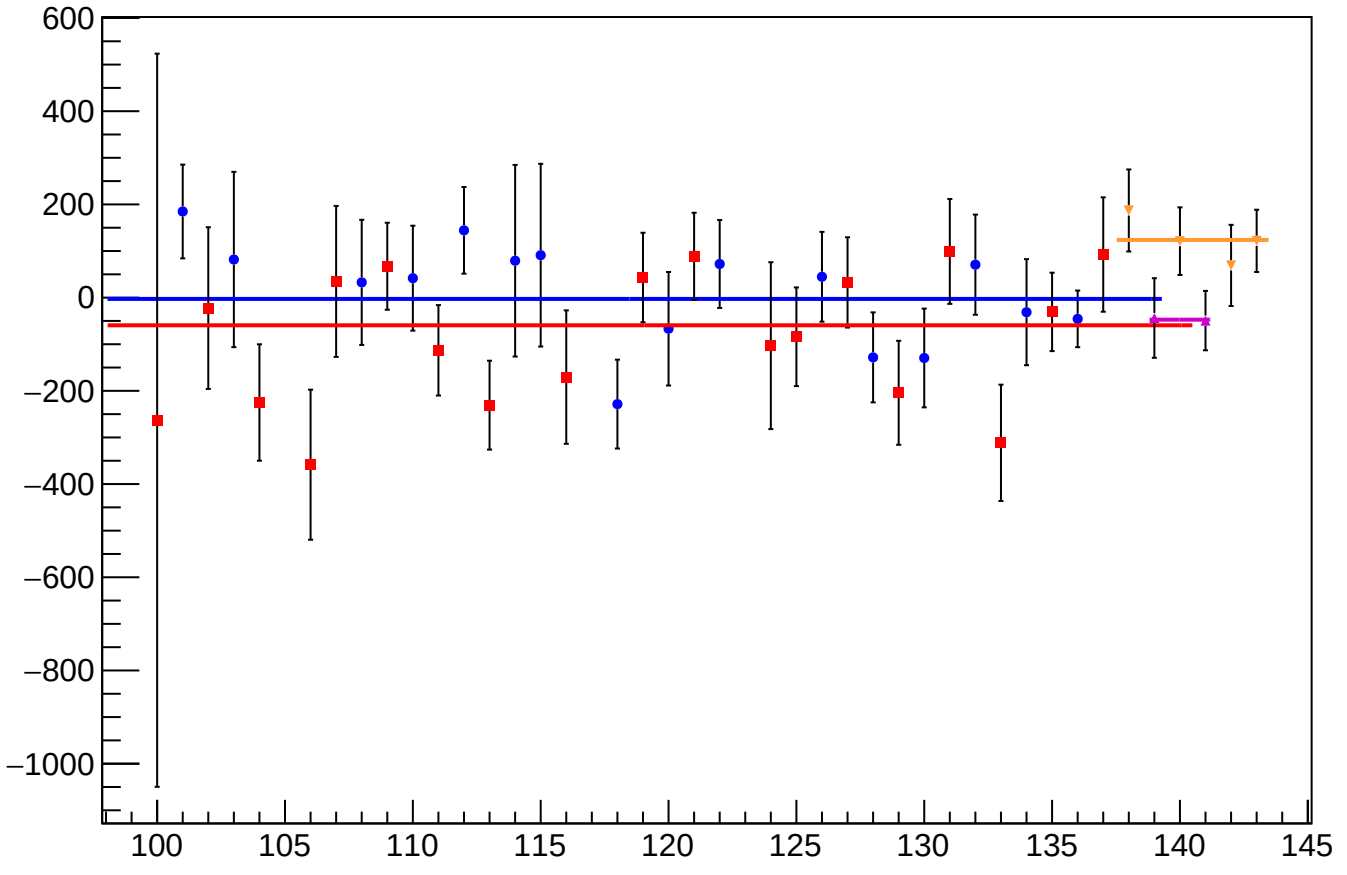
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:265875.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:177055.9/1
+ sign 0.000+/-0.000 χ²/NDF: 4735562.1/19
All: 0.000+/-0.000 χ²/NDF: 9962999.3/40
- sign 0.000+/-0.000 χ²/NDF: 4764536.4/20



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.793+/-38.486 χ^2/NDF:0.9/3

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

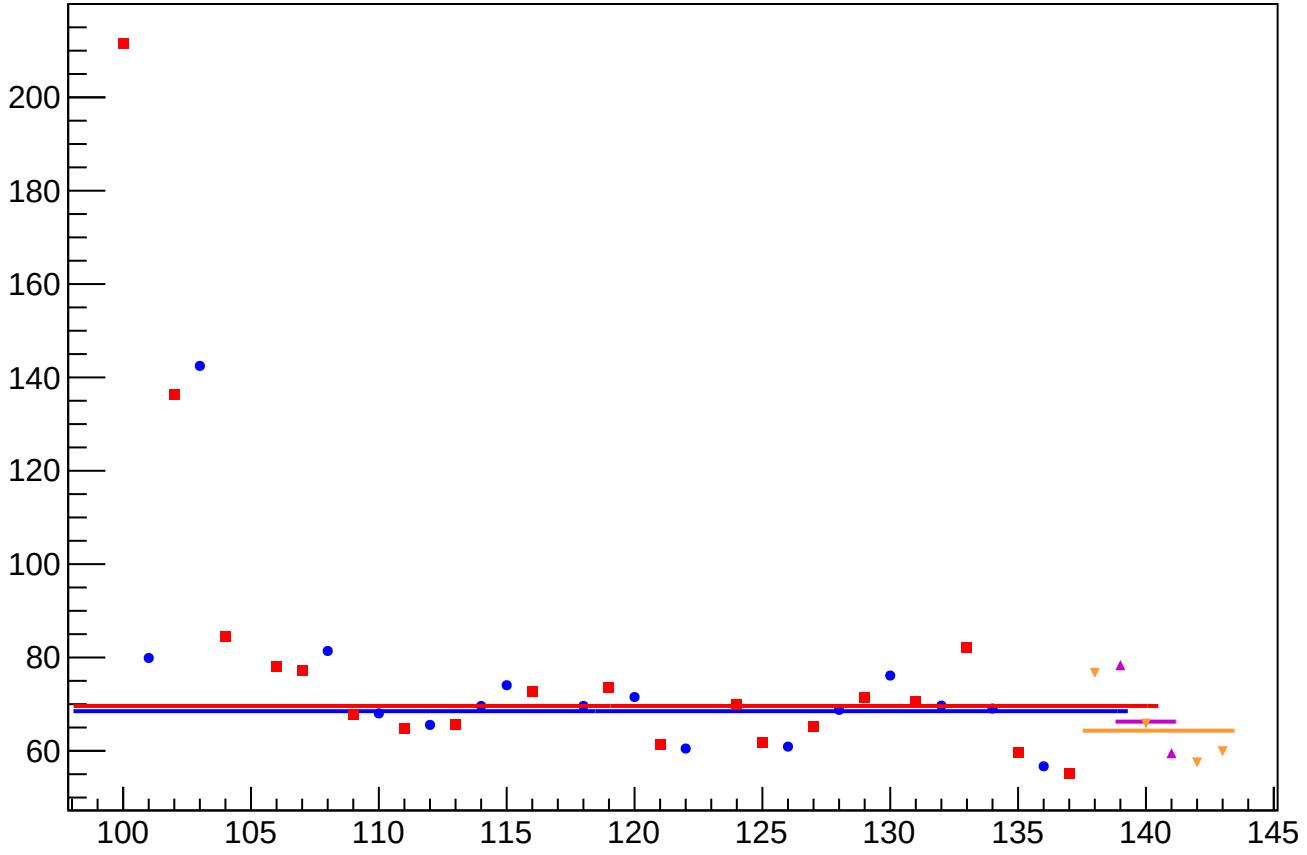
Left In: -47.304+/-51.067 χ^2/NDF:0.0/1

+ sign 37.340+/-21.665 χ^2/NDF: 26.0/19

All: -6.038+/-15.910 χ^2/NDF: 60.5/40

- sign -56.811+/-23.439 χ^2/NDF: 25.8/20

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

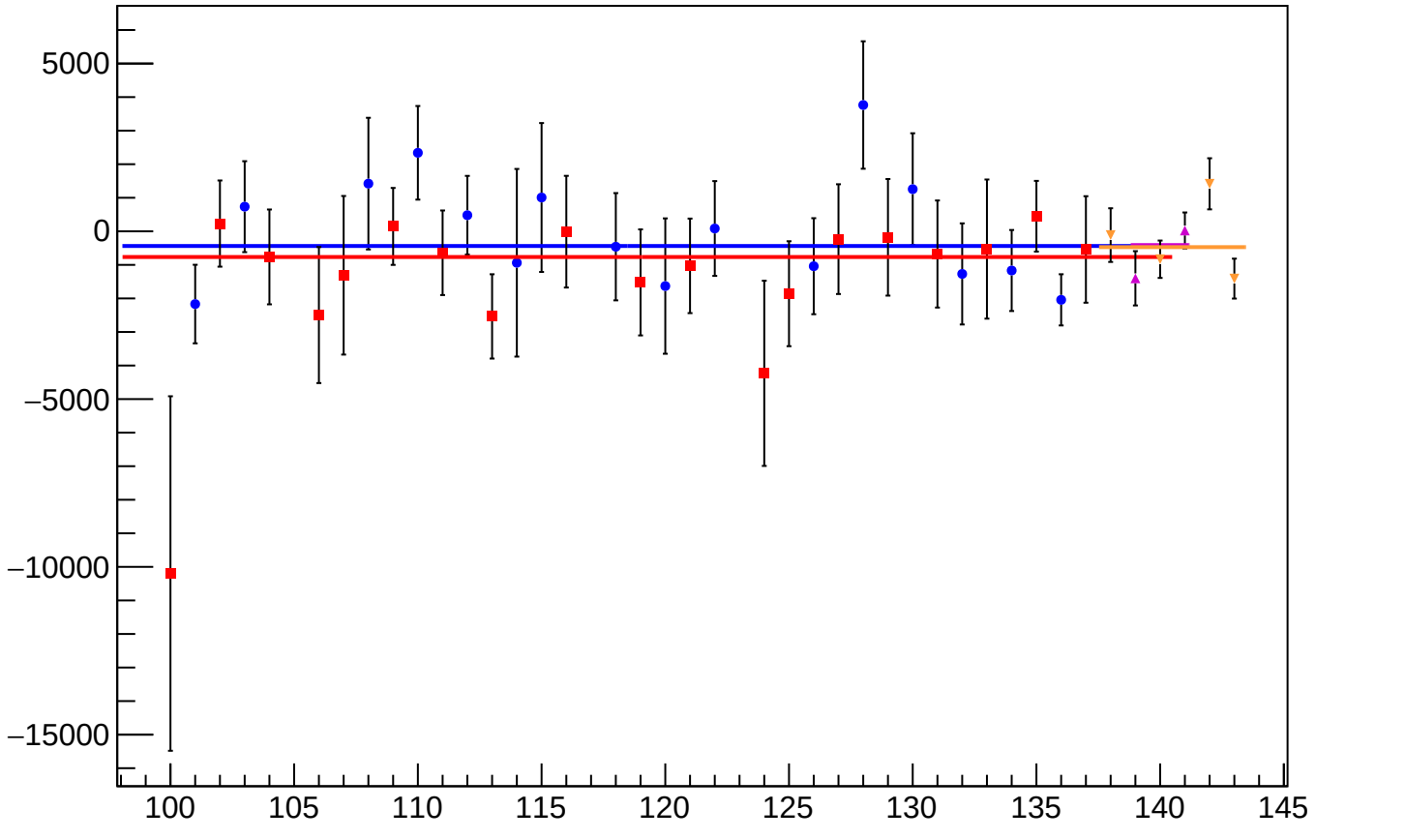
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 66.261+/-0.036 χ^2/NDF:62569.9/1

+ sign 67.176+/-0.015 χ^2/NDF: 549318.1/19

All: 67.976+/-0.011 χ^2/NDF: 1145036.9/40

- sign 68.912+/-0.017 χ^2/NDF: 589802.2/20



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -471.198+/-327.282 χ^2/NDF:9.2/3

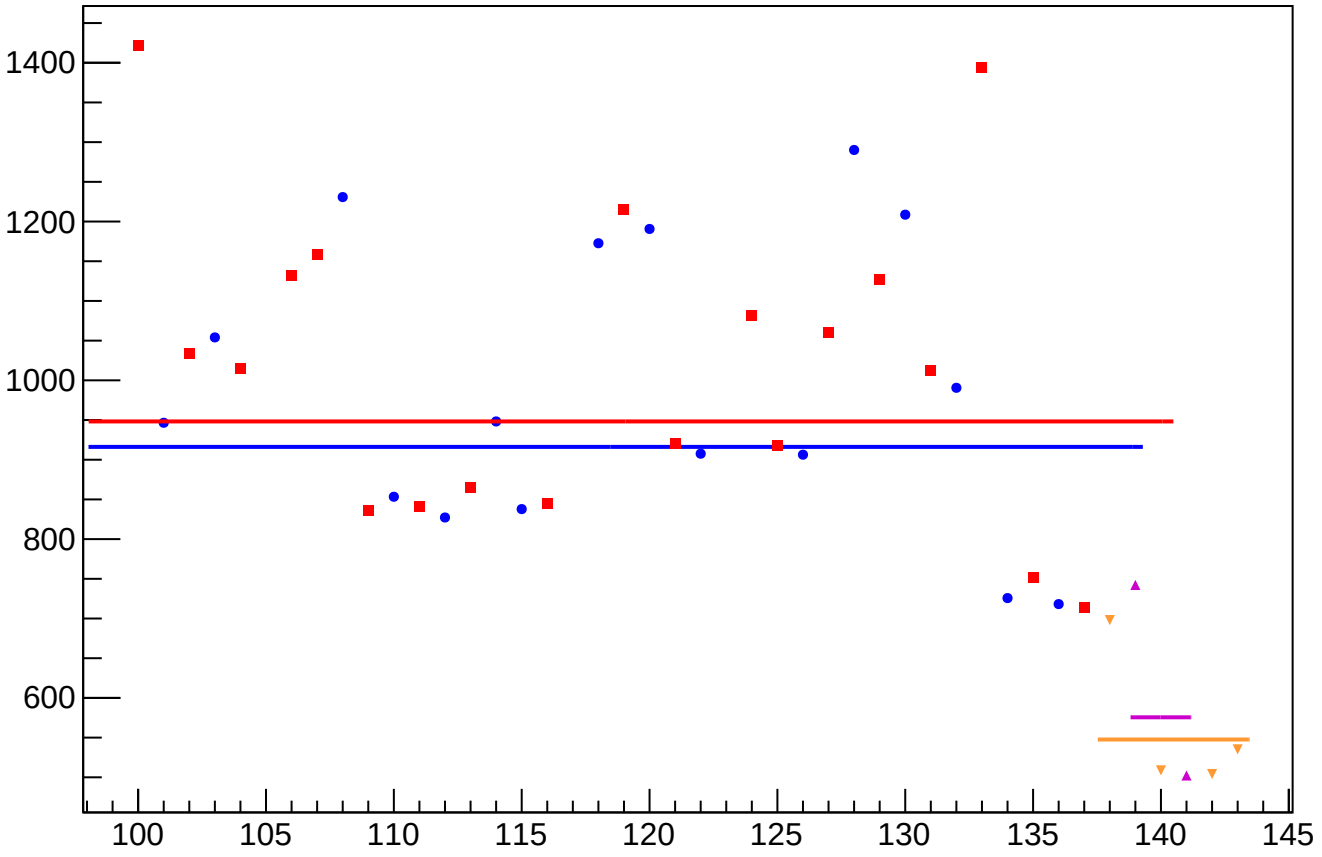
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -410.028+/-447.093 χ^2/NDF:2.2/1

+ sign -455.398+/-238.694 χ^2/NDF: 29.8/19

All: -529.297+/-180.843 χ^2/NDF: 43.9/40

- sign -628.875+/-277.079 χ^2/NDF: 13.9/20



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 547.591+/-0.231 χ^2/NDF:87869.1/3

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

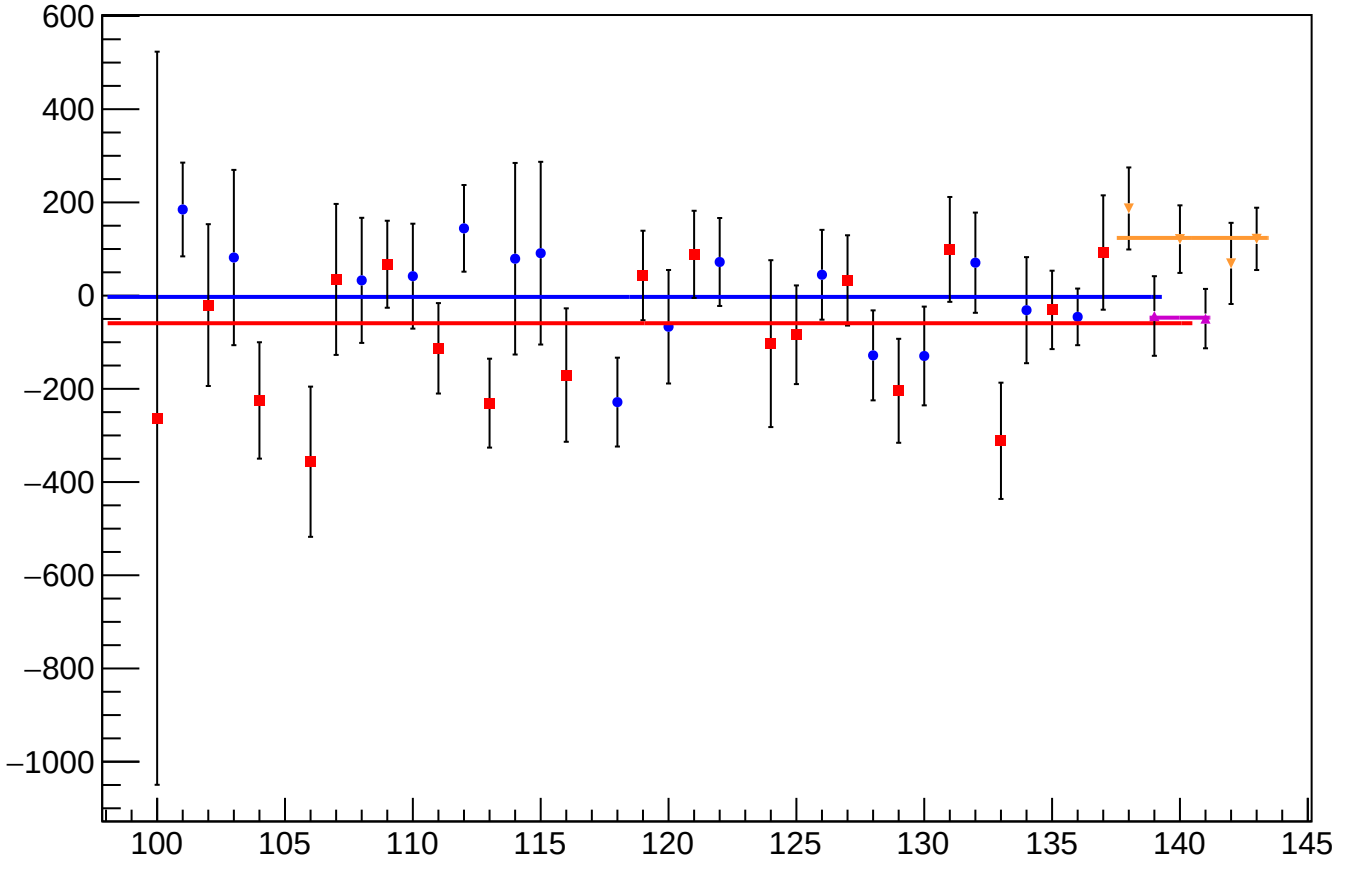
Left In: 575.577+/-0.316 χ^2/NDF:122279.0/1

+ sign 720.120+/-0.169 χ^2/NDF: 1784343.4/19

All: 756.323+/-0.128 χ^2/NDF: 3285653.4/40

- sign 805.108+/-0.196 χ^2/NDF: 1393301.6/20

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.800+/-38.486 χ^2/NDF:0.9/3

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

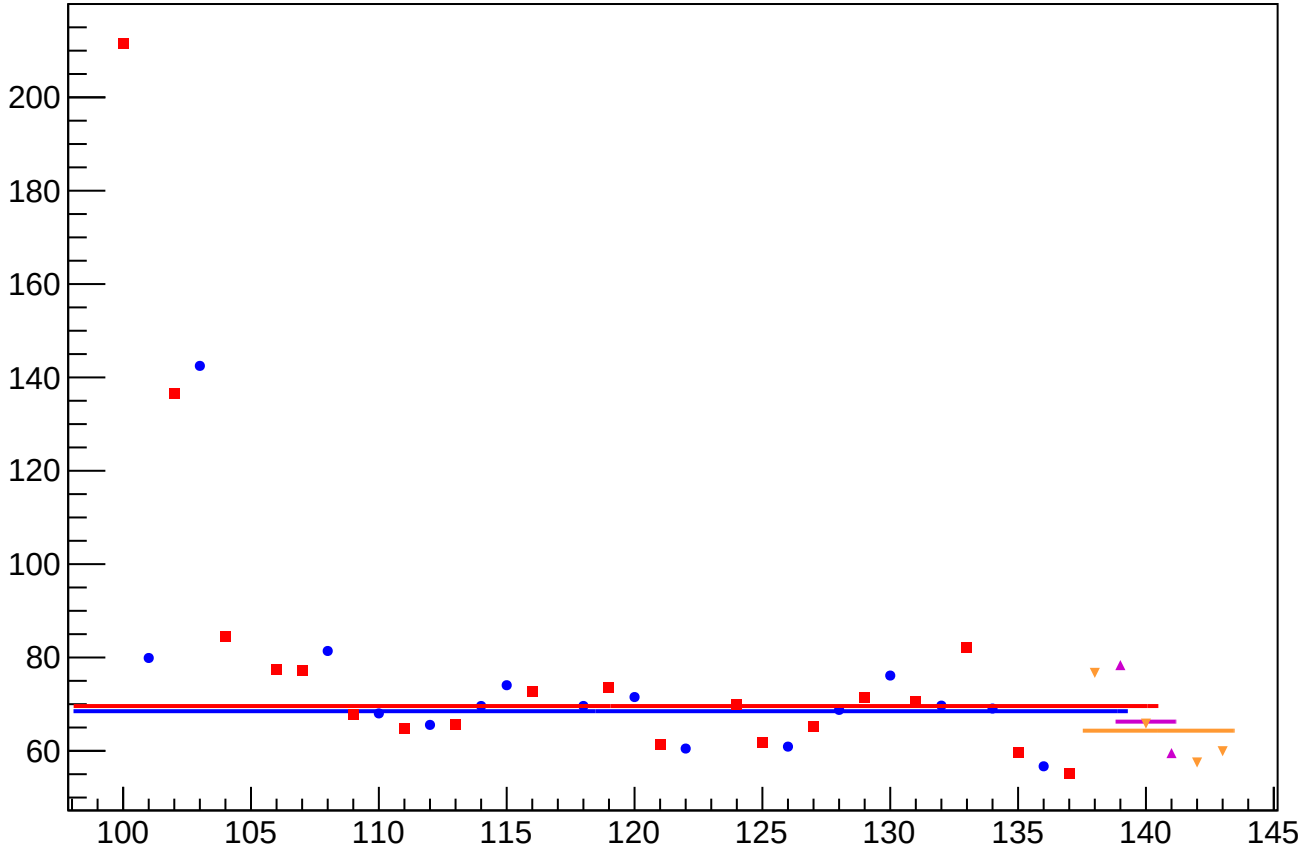
Left In: -47.312+/-51.067 χ^2/NDF:0.0/1

+ sign 37.338+/-21.665 χ^2/NDF: 26.0/19

All: -5.994+/-15.910 χ^2/NDF: 60.4/40

- sign -56.716+/-23.440 χ^2/NDF: 25.7/20

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

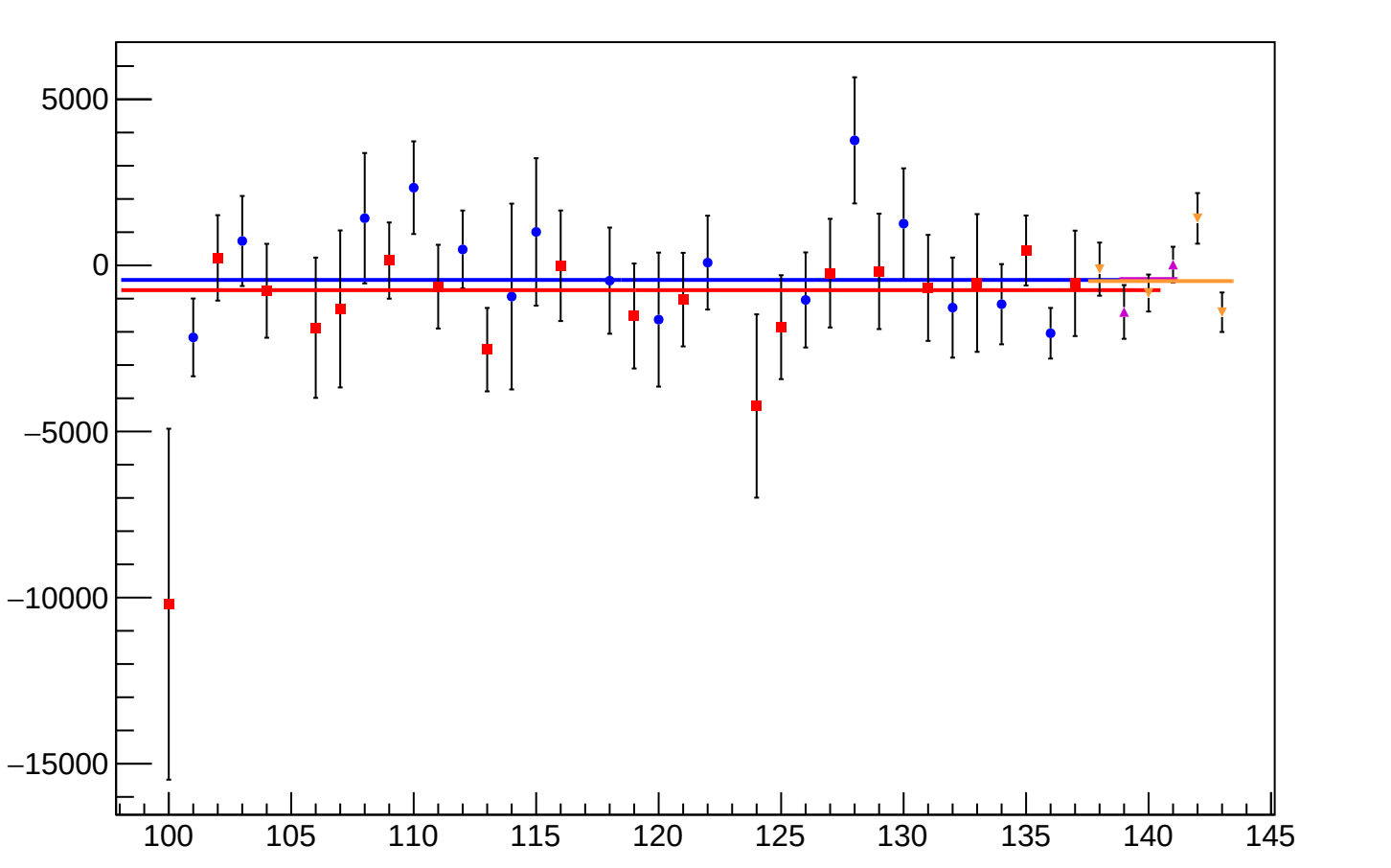
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 66.261+/-0.036 χ^2/NDF:62569.9/1

+ sign 67.176+/-0.015 χ^2/NDF: 549321.1/19

All: 67.969+/-0.011 χ^2/NDF: 1144243.1/40

- sign 68.897+/-0.017 χ^2/NDF: 589109.1/20



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -471.187+/-327.281 χ^2/NDF:9.2/3

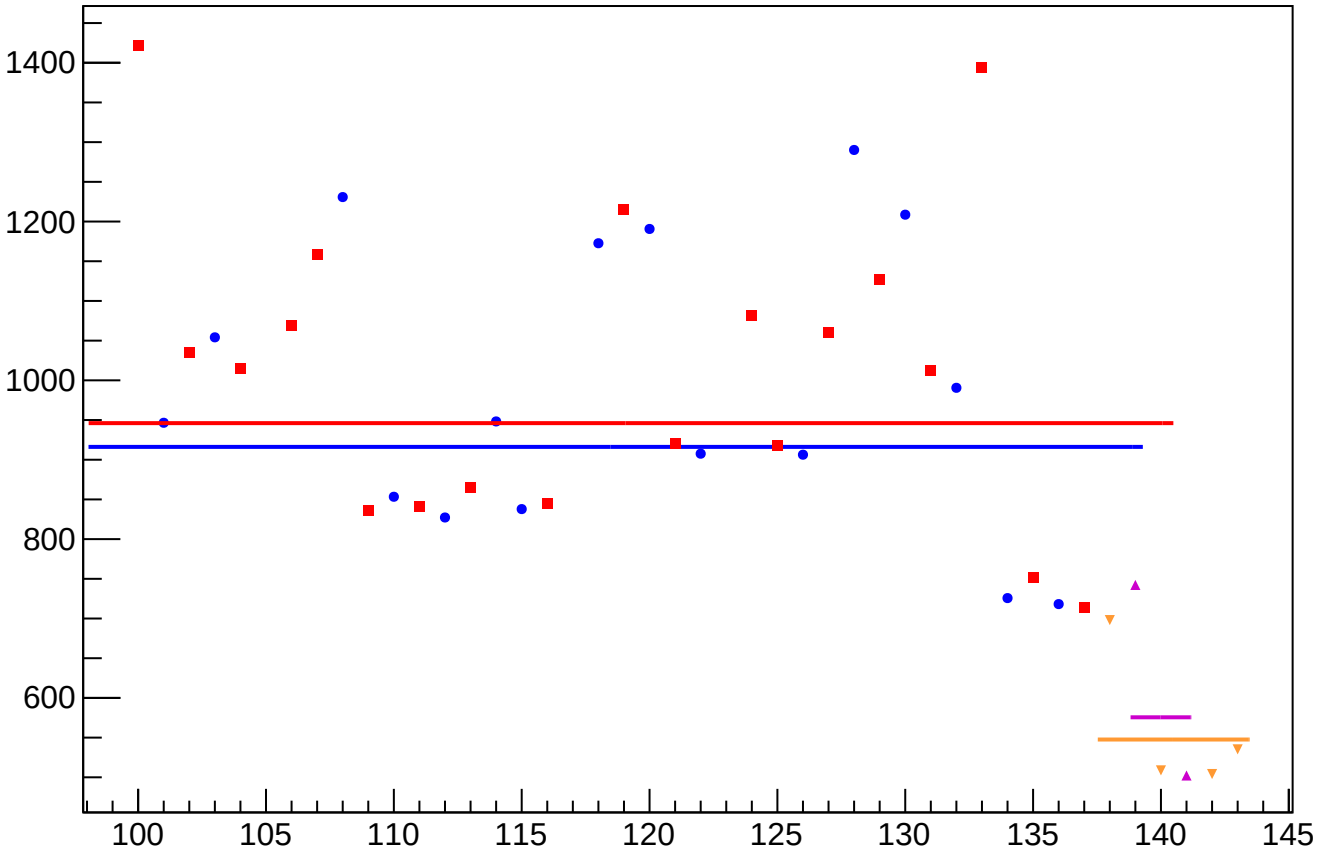
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -410.042+/-447.093 χ^2/NDF:2.2/1

+ sign -455.379+/-238.694 χ^2/NDF: 29.8/19

All: -523.648+/-180.902 χ^2/NDF: 43.4/40

- sign -615.780+/-277.290 χ^2/NDF: 13.4/20



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 547.591+/-0.231 χ^2/NDF:87869.2/3

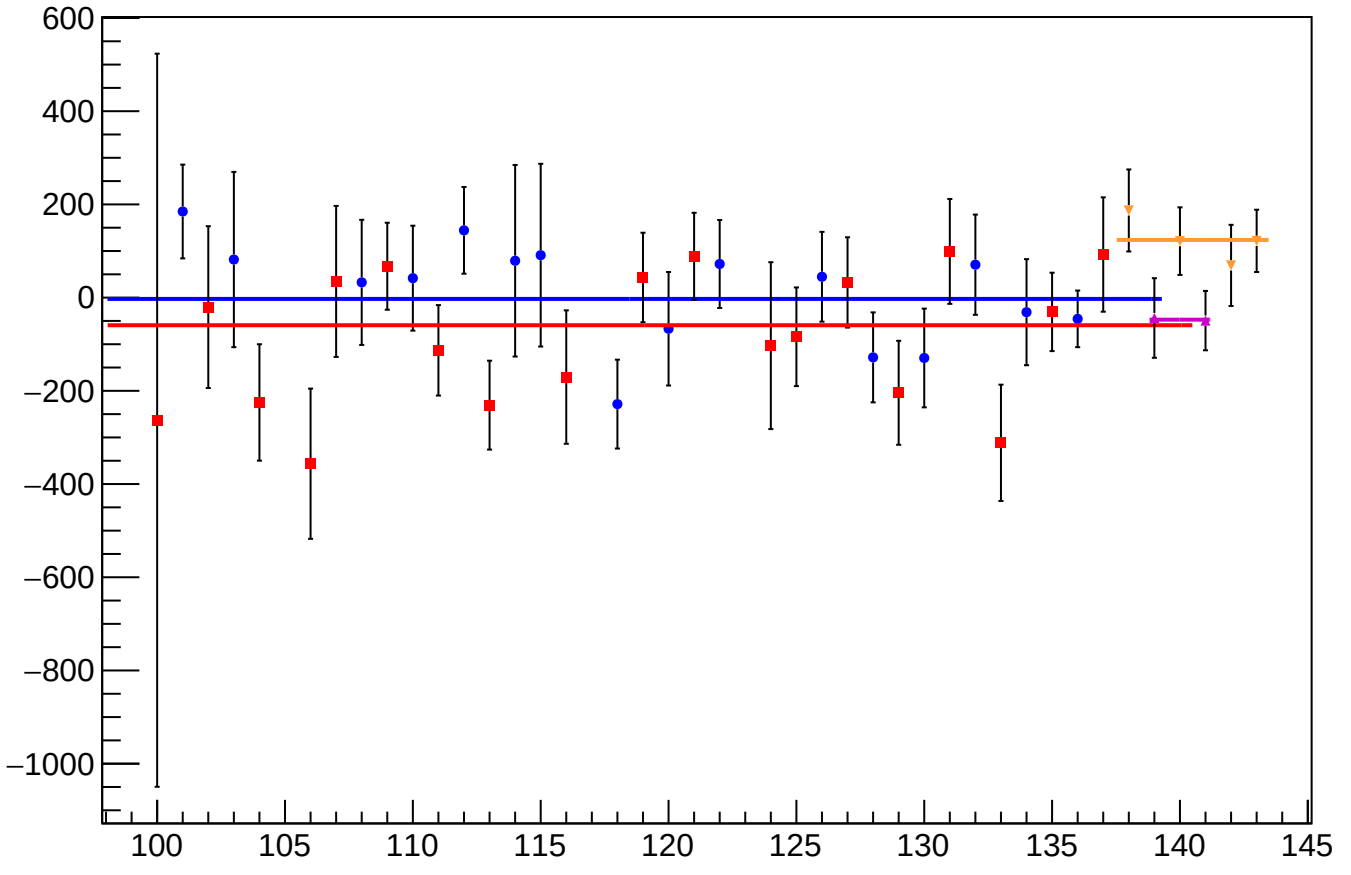
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 575.577+/-0.316 χ^2/NDF:122277.7/1

+ sign 720.120+/-0.169 χ^2/NDF: 1784388.8/19

All: 755.638+/-0.128 χ^2/NDF: 3261337.0/40

- sign 803.572+/-0.196 χ^2/NDF: 1372899.9/20



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.800+/-38.486 χ^2/NDF:0.9/3

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

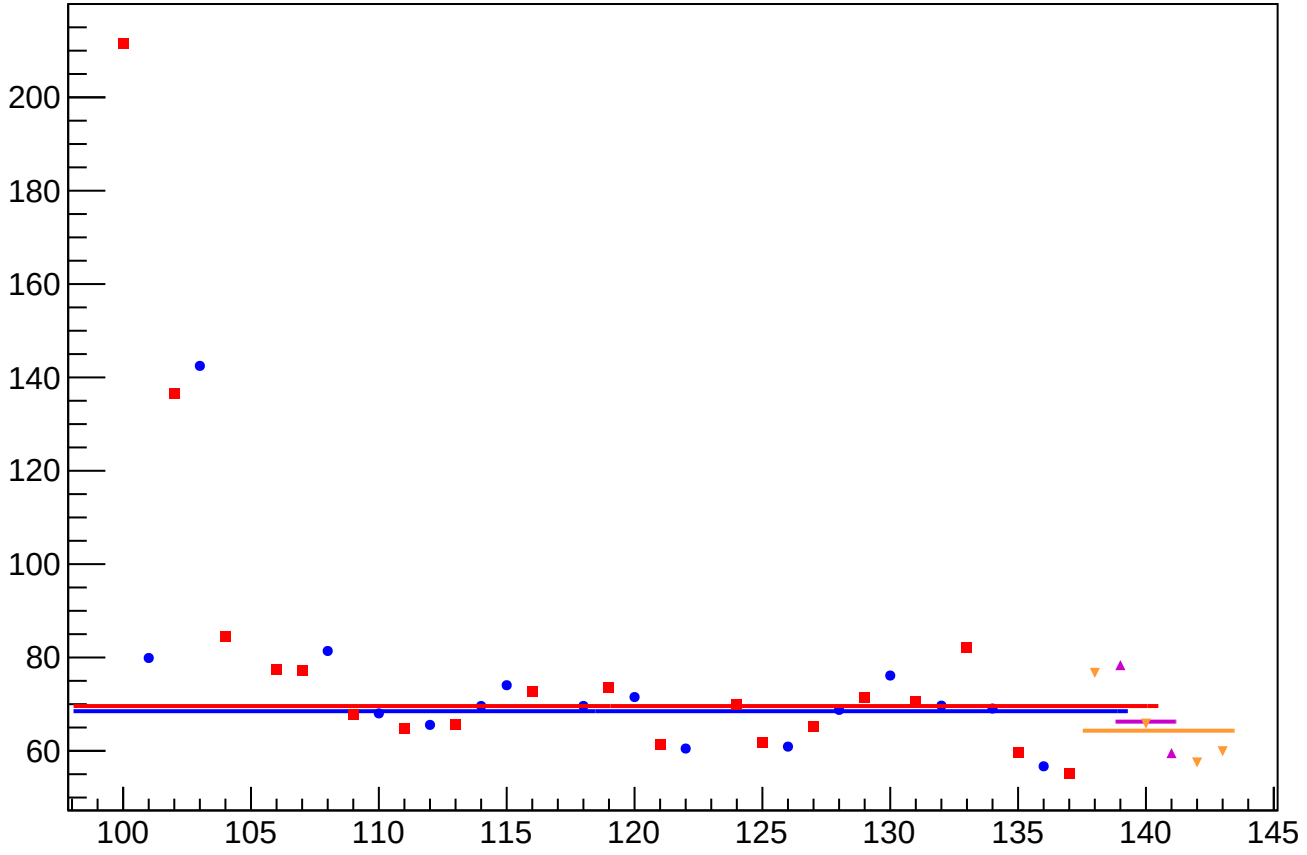
Left In: -47.312+/-51.067 χ^2/NDF:0.0/1

+ sign 37.338+/-21.665 χ^2/NDF: 26.0/19

All: -5.994+/-15.910 χ^2/NDF: 60.4/40

- sign -56.716+/-23.440 χ^2/NDF: 25.7/20

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

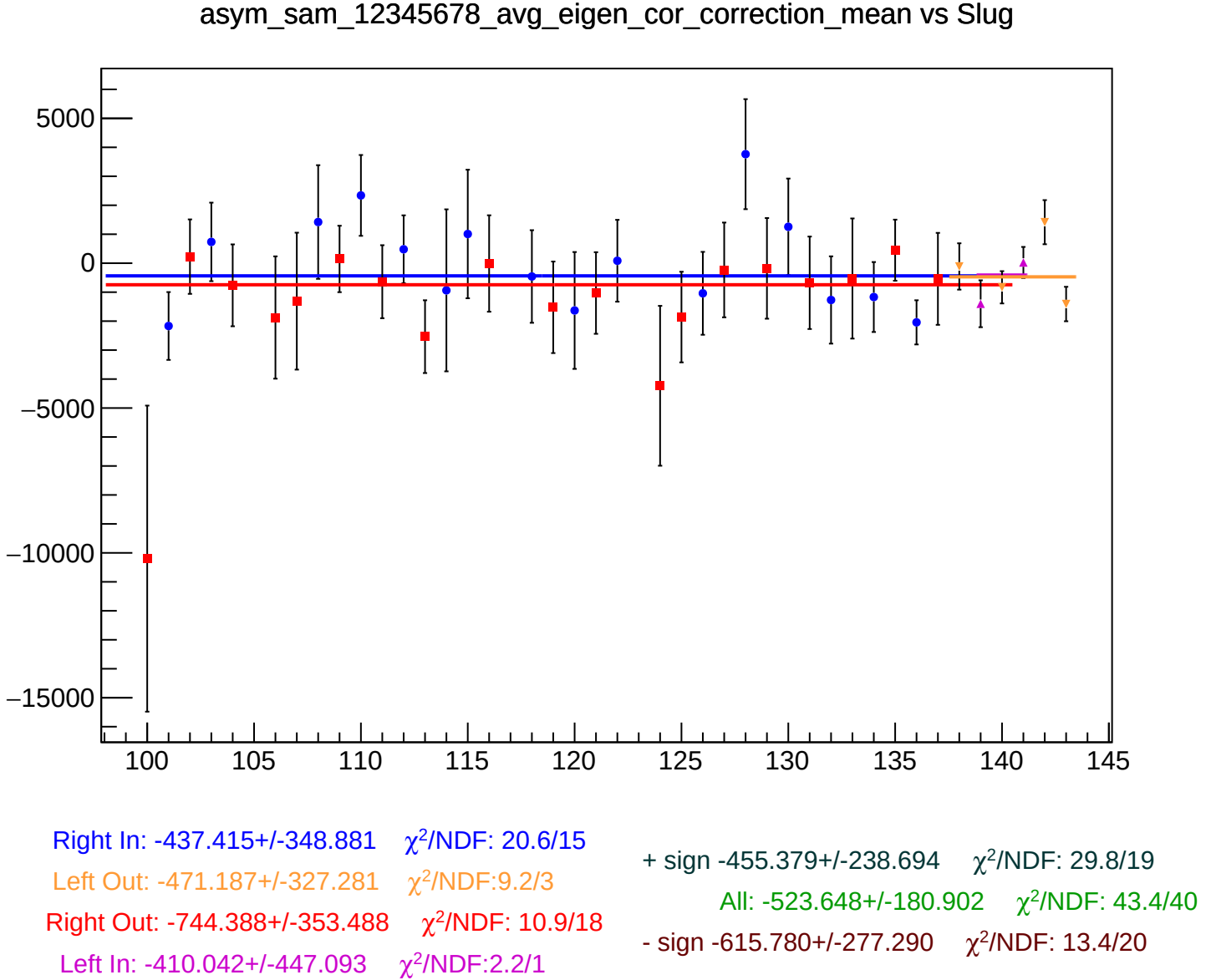
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

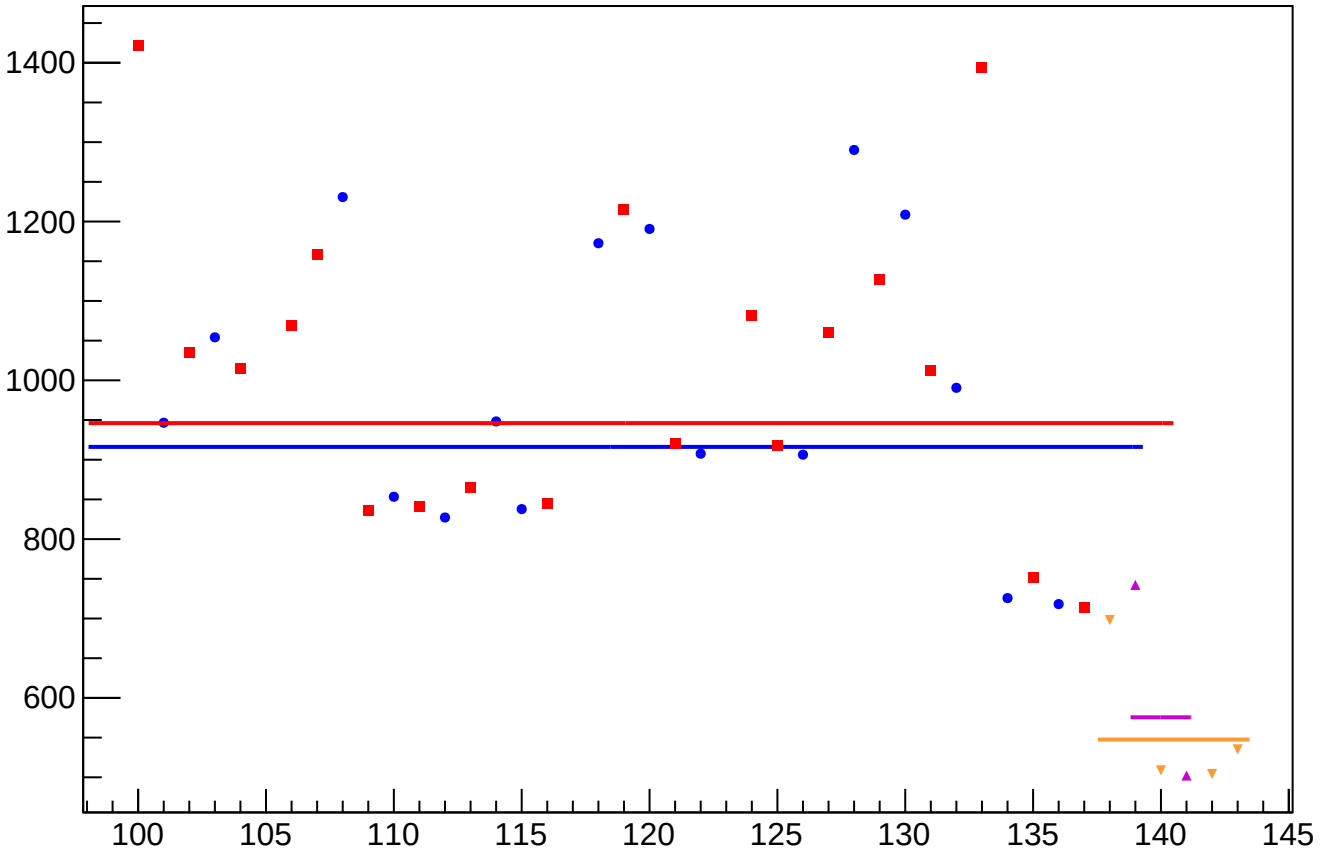
Left In: 66.261+/-0.036 χ^2/NDF:62569.9/1

+ sign 67.176+/-0.015 χ^2/NDF: 549321.1/19

All: 67.969+/-0.011 χ^2/NDF: 1144243.1/40

- sign 68.897+/-0.017 χ^2/NDF: 589109.1/20


asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: -437.415+/-348.881 χ²/NDF: 20.6/15
Left Out: -471.187+/-327.281 χ²/NDF:9.2/3
Right Out: -744.388+/-353.488 χ²/NDF: 10.9/18
Left In: -410.042+/-447.093 χ²/NDF:2.2/1
+ sign -455.379+/-238.694 χ²/NDF: 29.8/19
All: -523.648+/-180.902 χ²/NDF: 43.4/40
- sign -615.780+/-277.290 χ²/NDF: 13.4/20



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 547.591+/-0.231 χ^2/NDF:87869.2/3

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

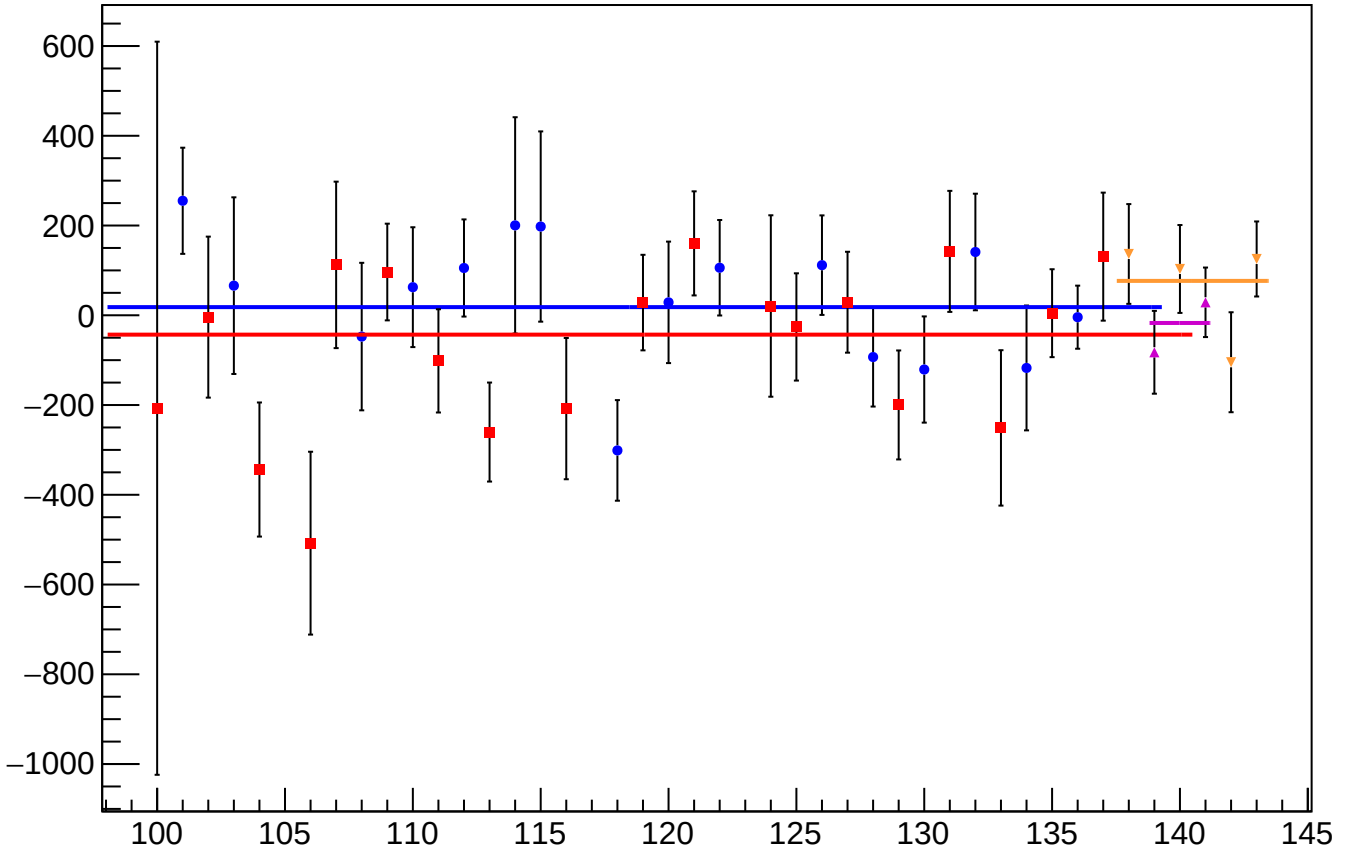
Left In: 575.577+/-0.316 χ^2/NDF:122277.7/1

+ sign 720.120+/-0.169 χ^2/NDF: 1784388.8/19

All: 755.638+/-0.128 χ^2/NDF: 3261337.0/40

- sign 803.572+/-0.196 χ^2/NDF: 1372899.9/20

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 76.621+/-49.451 χ^2/NDF:3.4/3

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

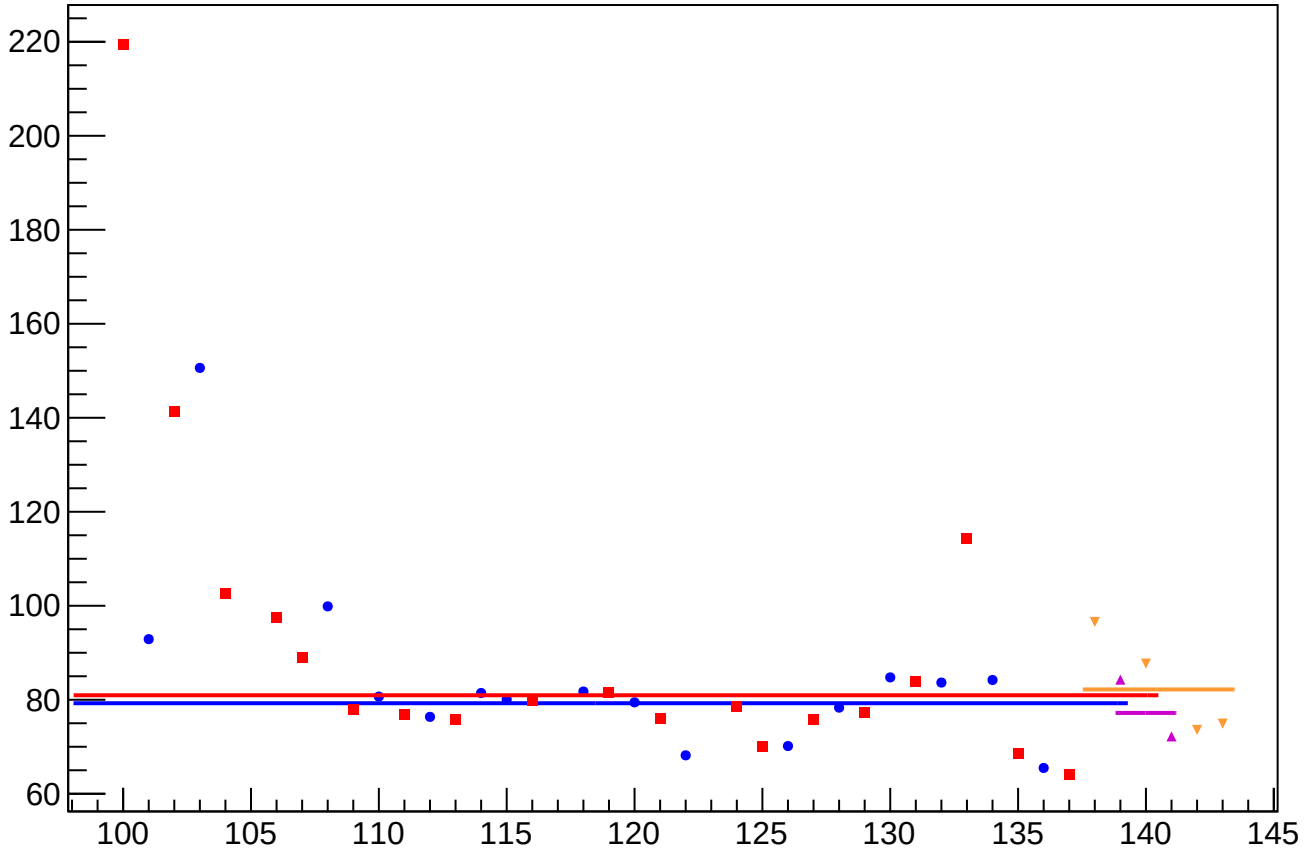
Left In: -17.147+/-59.328 χ^2/NDF:0.9/1

+ sign 34.164+/-25.865 χ^2/NDF: 24.5/19

All: 0.155+/-18.766 χ^2/NDF: 56.9/40

- sign -37.652+/-27.271 χ^2/NDF: 28.7/20

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 82.193+/-0.035 χ^2/NDF:66801.2/3

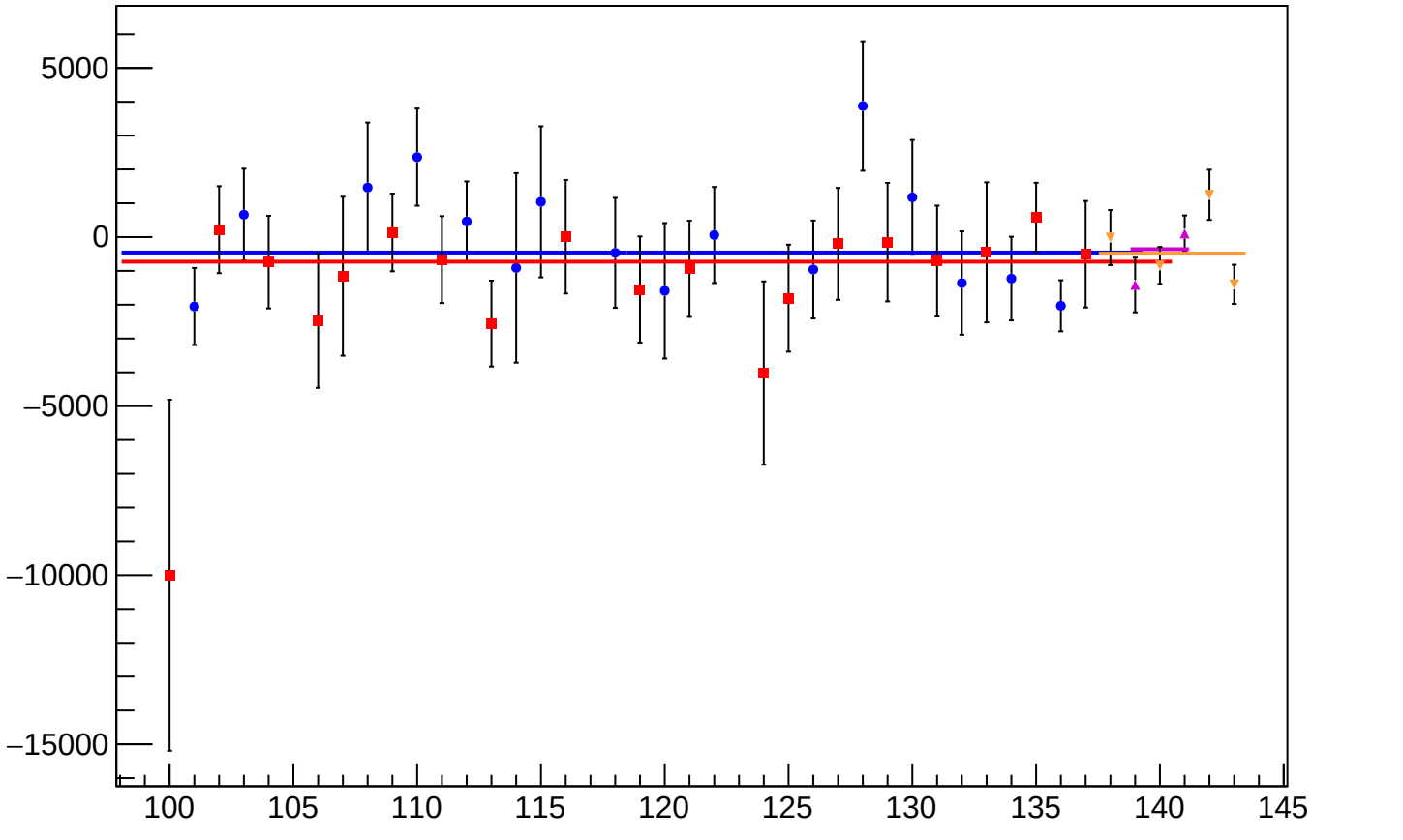
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 77.197+/-0.042 χ^2/NDF:20095.7/1

+ sign 80.064+/-0.018 χ^2/NDF: 516851.2/19

All: 80.111+/-0.013 χ^2/NDF: 1057482.8/40

- sign 80.164+/-0.019 χ^2/NDF: 540617.6/20



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -490.009+/-322.147 χ^2/NDF:8.7/3

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

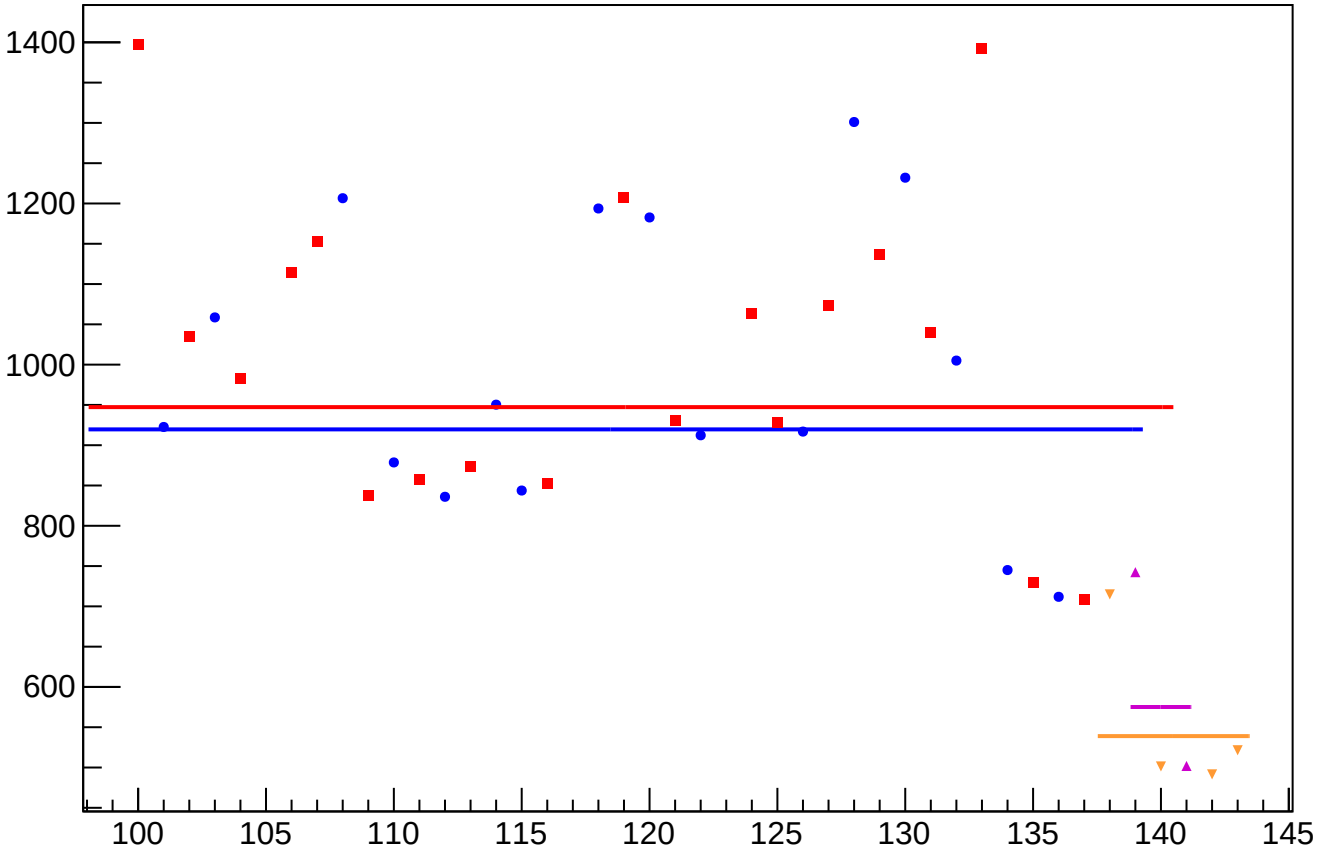
Left In: -358.827+/-446.532 χ^2/NDF:2.5/1

+ sign -475.381+/-237.052 χ^2/NDF: 29.0/19

All: -522.494+/-180.026 χ^2/NDF: 43.5/40

- sign -586.691+/-276.715 χ^2/NDF: 14.4/20

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 538.980+/-0.228 χ^2/NDF:112461.8/3

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

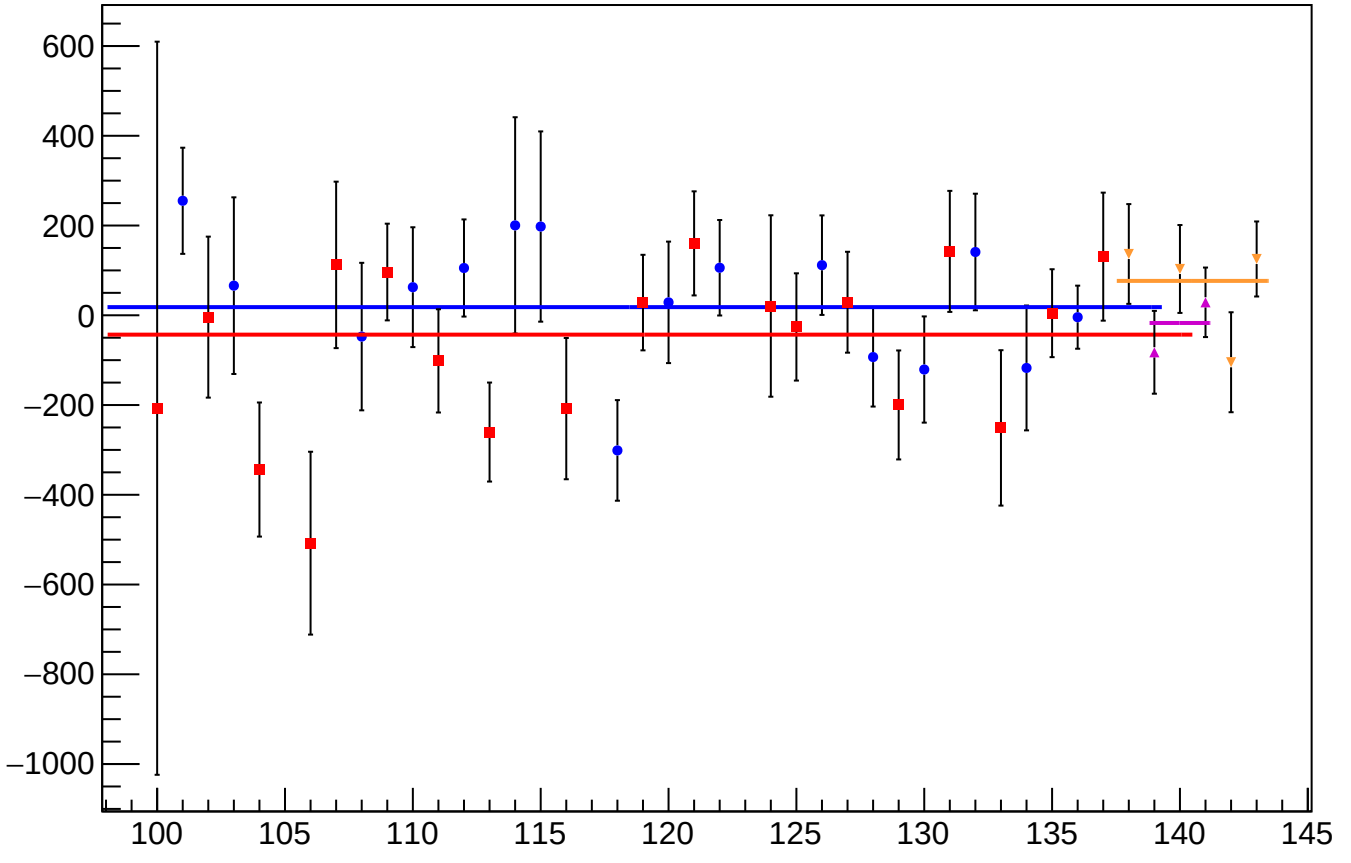
Left In: 575.105+/-0.316 χ^2/NDF:122793.1/1

+ sign 713.522+/-0.168 χ^2/NDF: 1908336.3/19

All: 751.966+/-0.127 χ^2/NDF: 3436757.0/40

- sign 804.351+/-0.196 χ^2/NDF: 1404141.3/20

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 76.621+/-49.451 χ^2/NDF:3.4/3

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

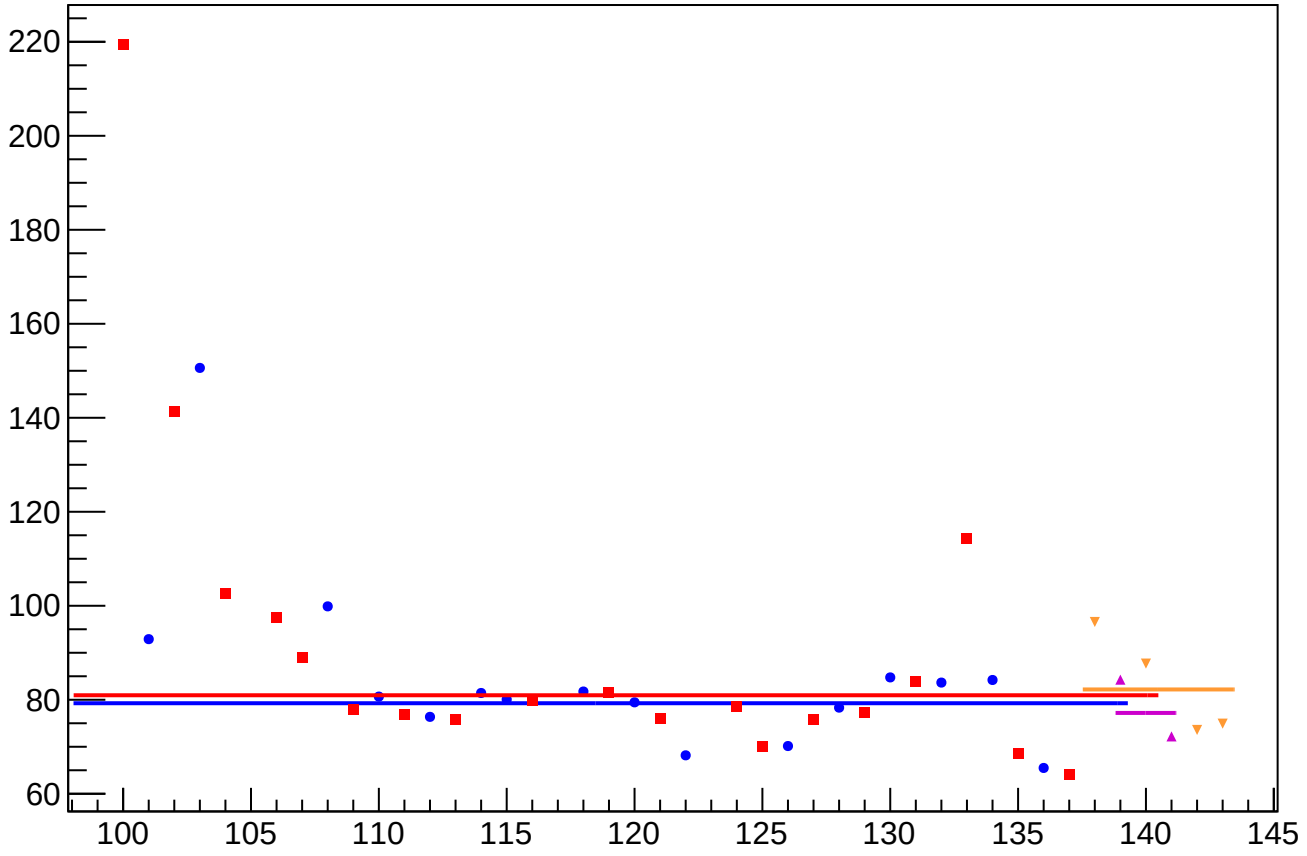
Left In: -17.148+/-59.328 χ^2/NDF:0.9/1

+ sign 34.164+/-25.864 χ^2/NDF: 24.5/19

All: 0.156+/-18.766 χ^2/NDF: 56.9/40

- sign -37.651+/-27.271 χ^2/NDF: 28.7/20

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 82.193+/-0.035 χ^2/NDF:66799.0/3

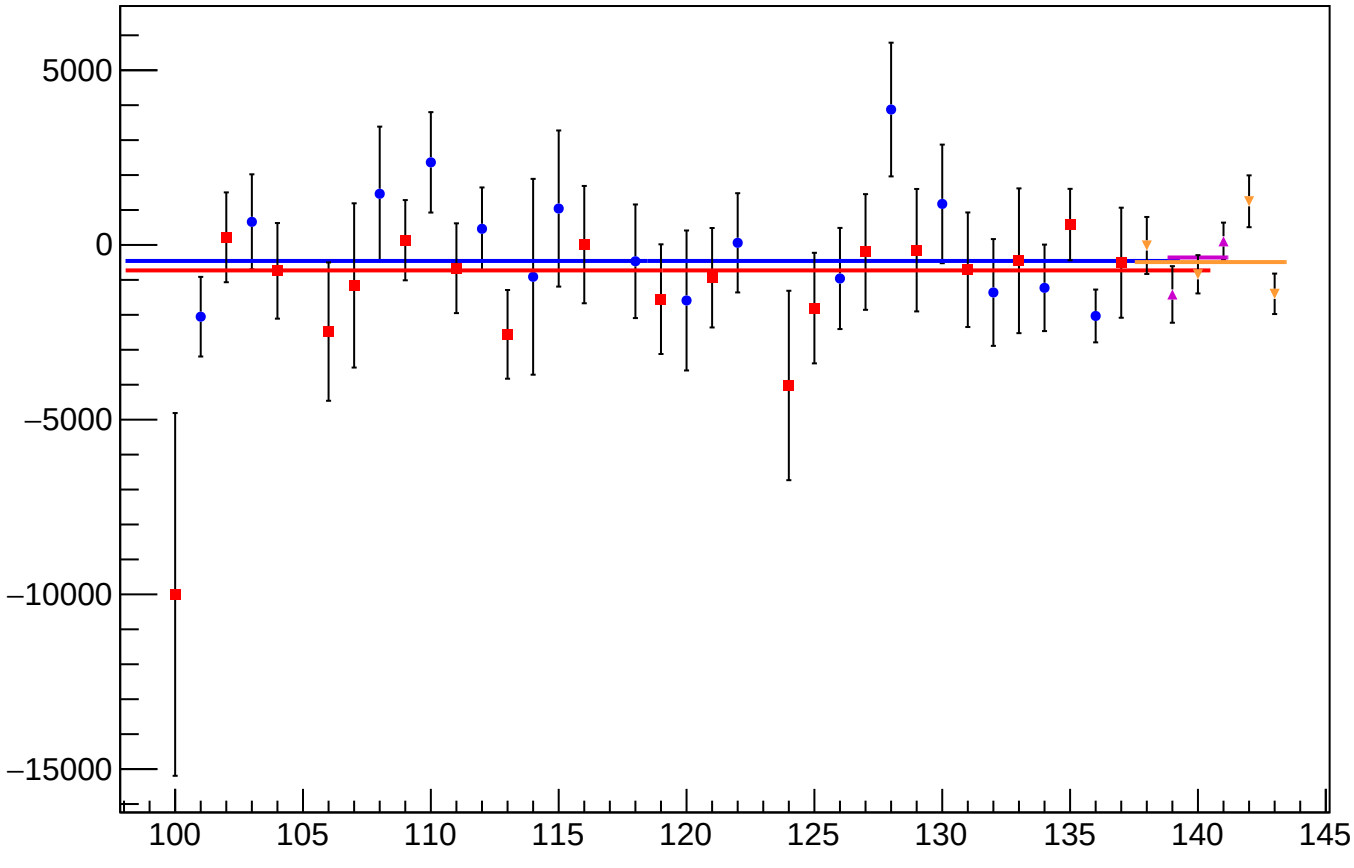
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 77.197+/-0.042 χ^2/NDF:20095.0/1

+ sign 80.064+/-0.018 χ^2/NDF: 516847.9/19

All: 80.111+/-0.013 χ^2/NDF: 1057486.2/40

- sign 80.164+/-0.019 χ^2/NDF: 540624.3/20



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -490.011+/-322.147 χ^2/NDF:8.7/3

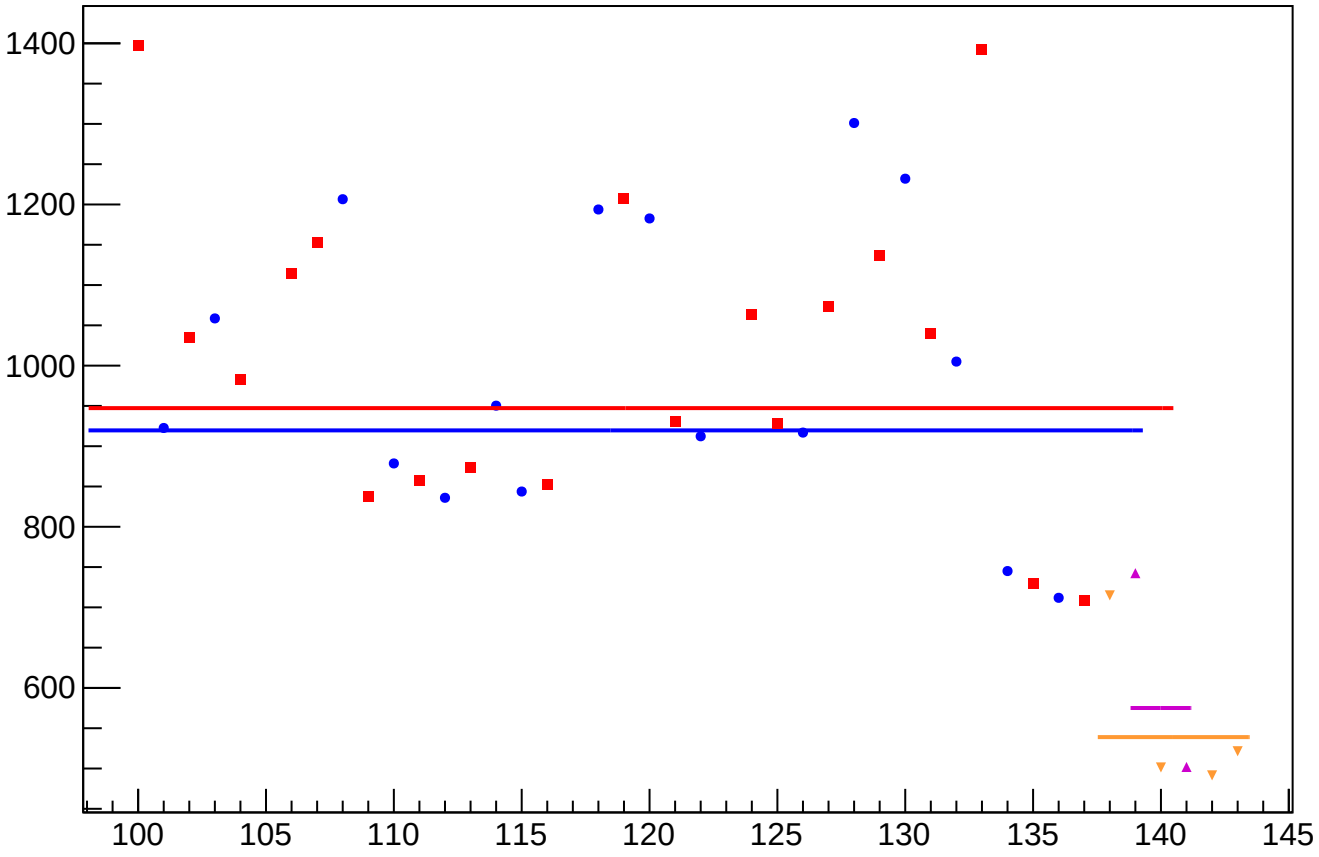
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -358.828+/-446.532 χ^2/NDF:2.5/1

+ sign -475.381+/-237.051 χ^2/NDF: 29.0/19

All: -522.493+/-180.025 χ^2/NDF: 43.5/40

- sign -586.690+/-276.714 χ^2/NDF: 14.4/20



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 538.979+/-0.228 χ^2/NDF:112460.8/3

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

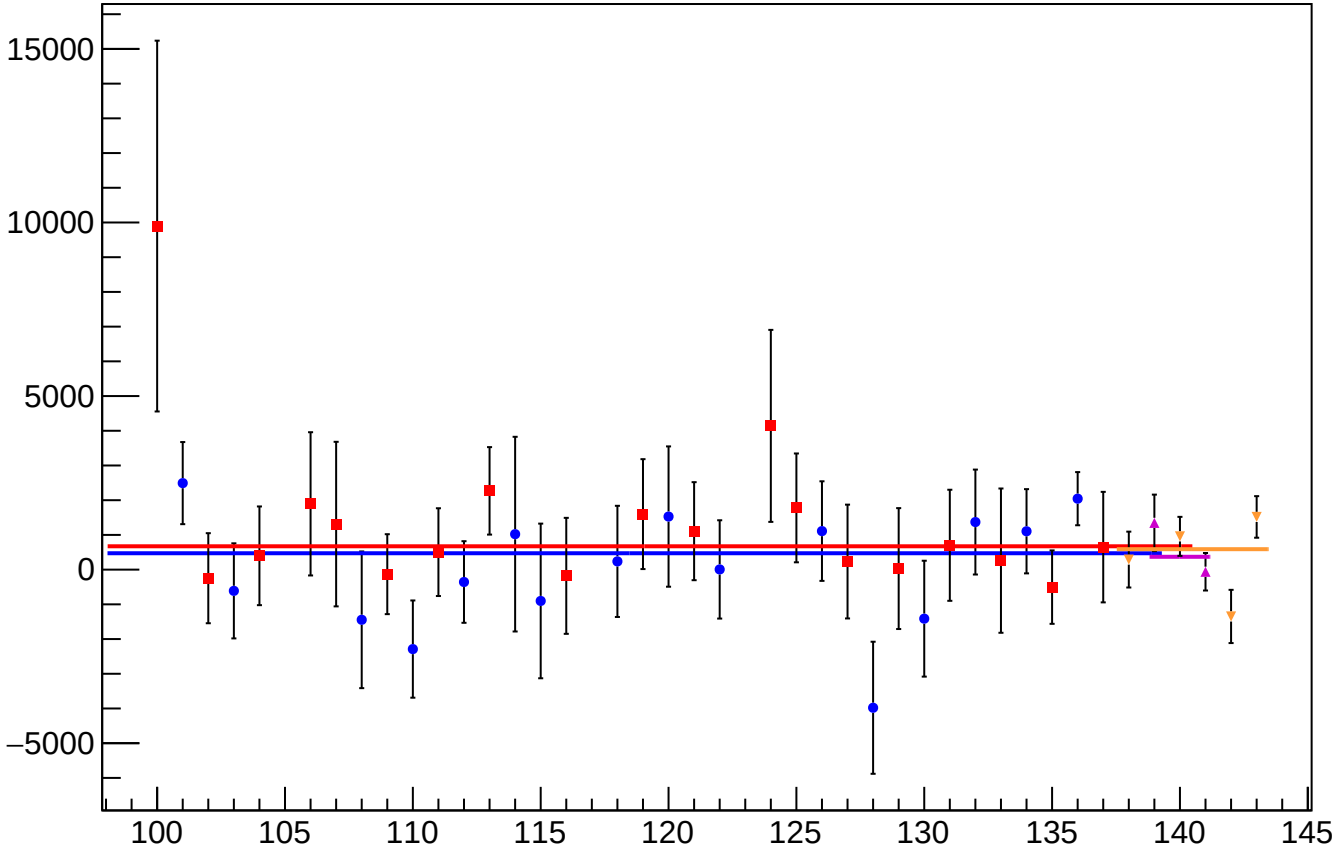
Left In: 575.104+/-0.316 χ^2/NDF:122793.1/1

+ sign 713.521+/-0.168 χ^2/NDF: 1908331.6/19

All: 751.965+/-0.127 χ^2/NDF: 3436751.1/40

- sign 804.349+/-0.196 χ^2/NDF: 1404141.3/20

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 589.061+/-329.640 χ^2/NDF:9.4/3

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

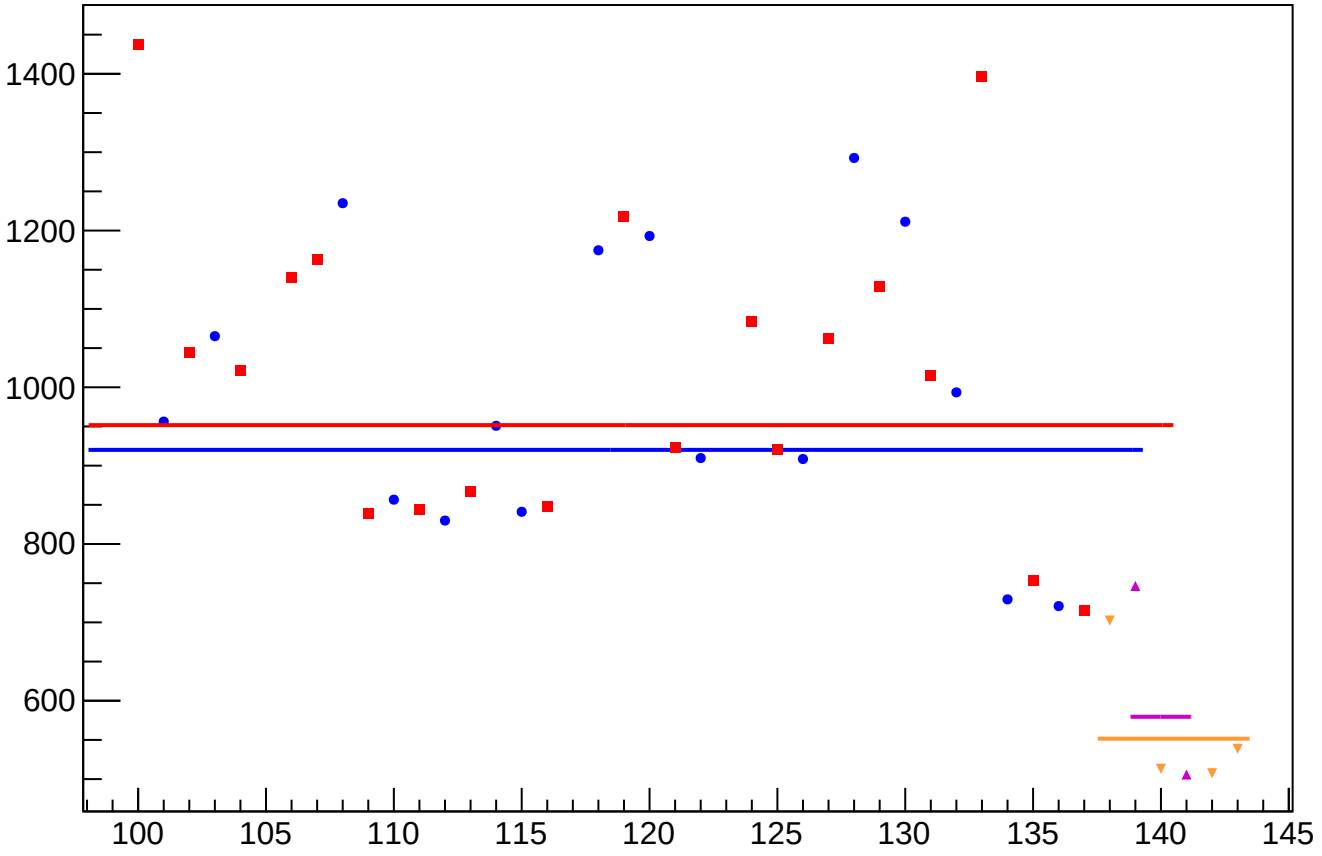
Left In: 369.695+/-450.084 χ^2/NDF:2.1/1

+ sign 534.103+/-240.087 χ^2/NDF: 30.9/19

All: 543.689+/-181.843 χ^2/NDF: 43.6/40

- sign 556.588+/-278.496 χ^2/NDF: 12.7/20

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 551.568+/-0.233 χ^2/NDF:87098.4/3

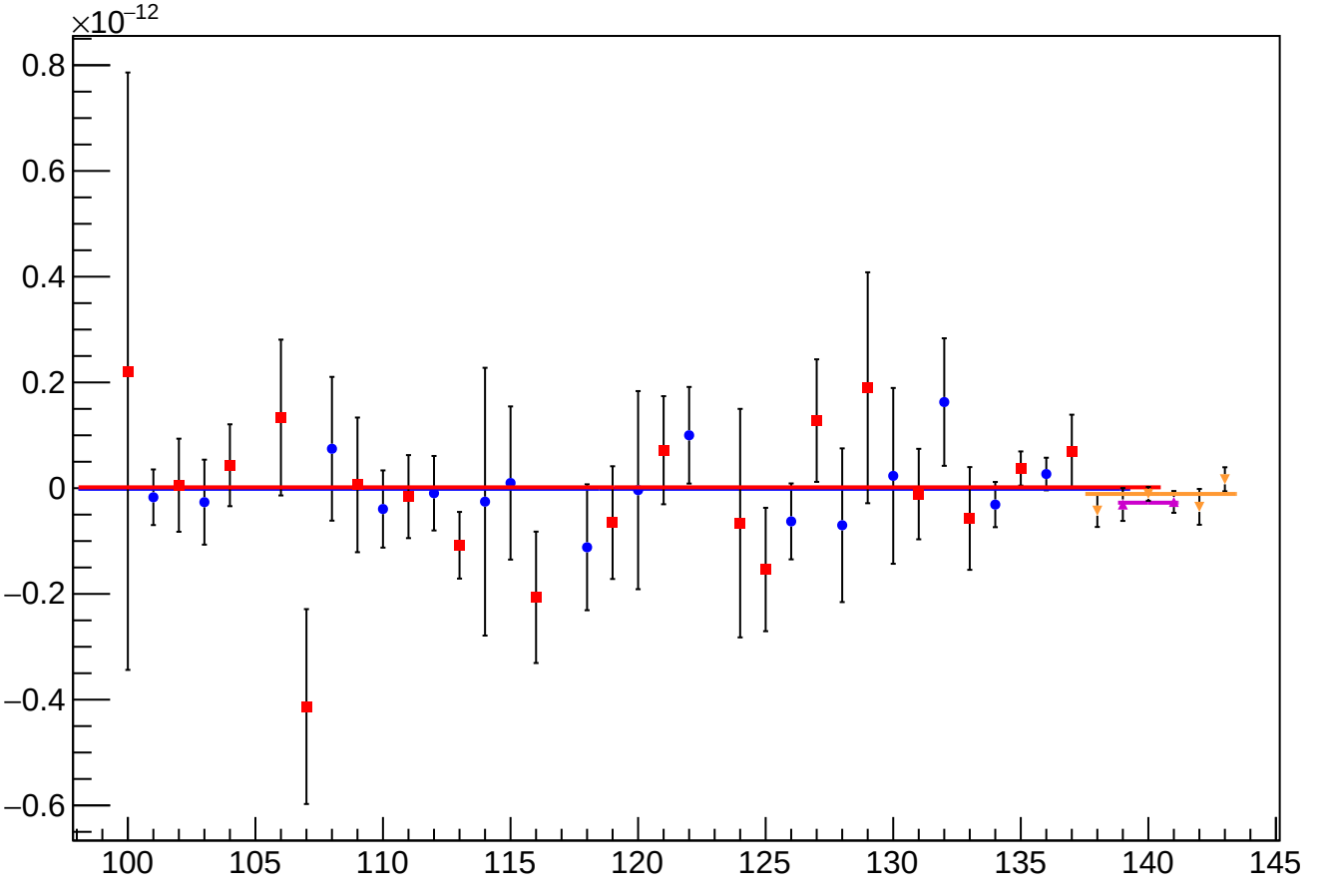
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 579.508+/-0.318 χ^2/NDF:121401.8/1

\+ sign 724.619+/-0.170 χ^2/NDF: 1769669.6/19

All: 760.685+/-0.129 χ^2/NDF: 3257190.8/40

\- sign 809.215+/-0.197 χ^2/NDF: 1381657.2/20



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/3

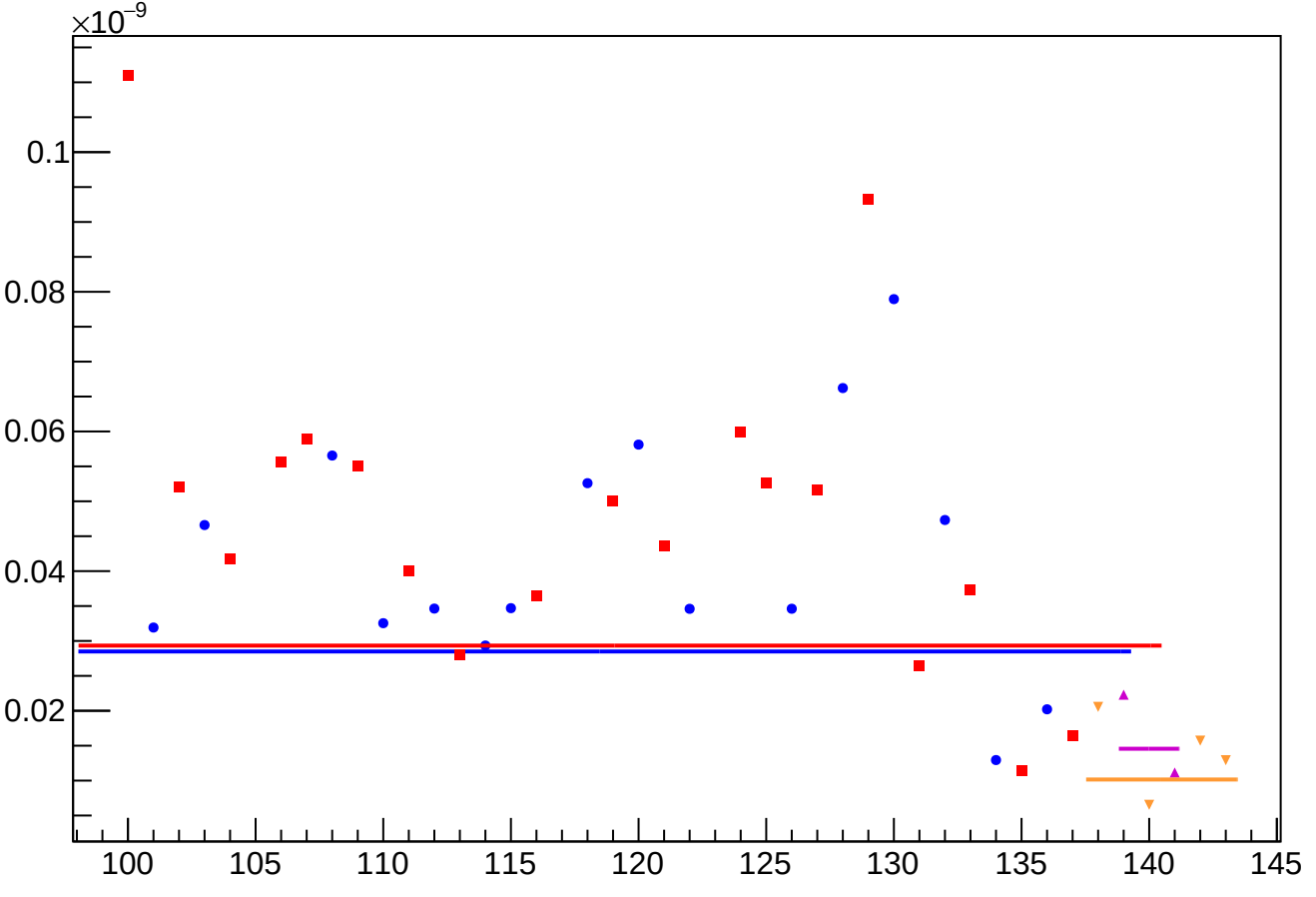
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

+ sign -0.000+/-0.000 χ^2/NDF: 10.3/19

All: -0.000+/-0.000 χ^2/NDF: 31.2/40

- sign -0.000+/-0.000 χ^2/NDF: 20.7/20



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:464820.9/3

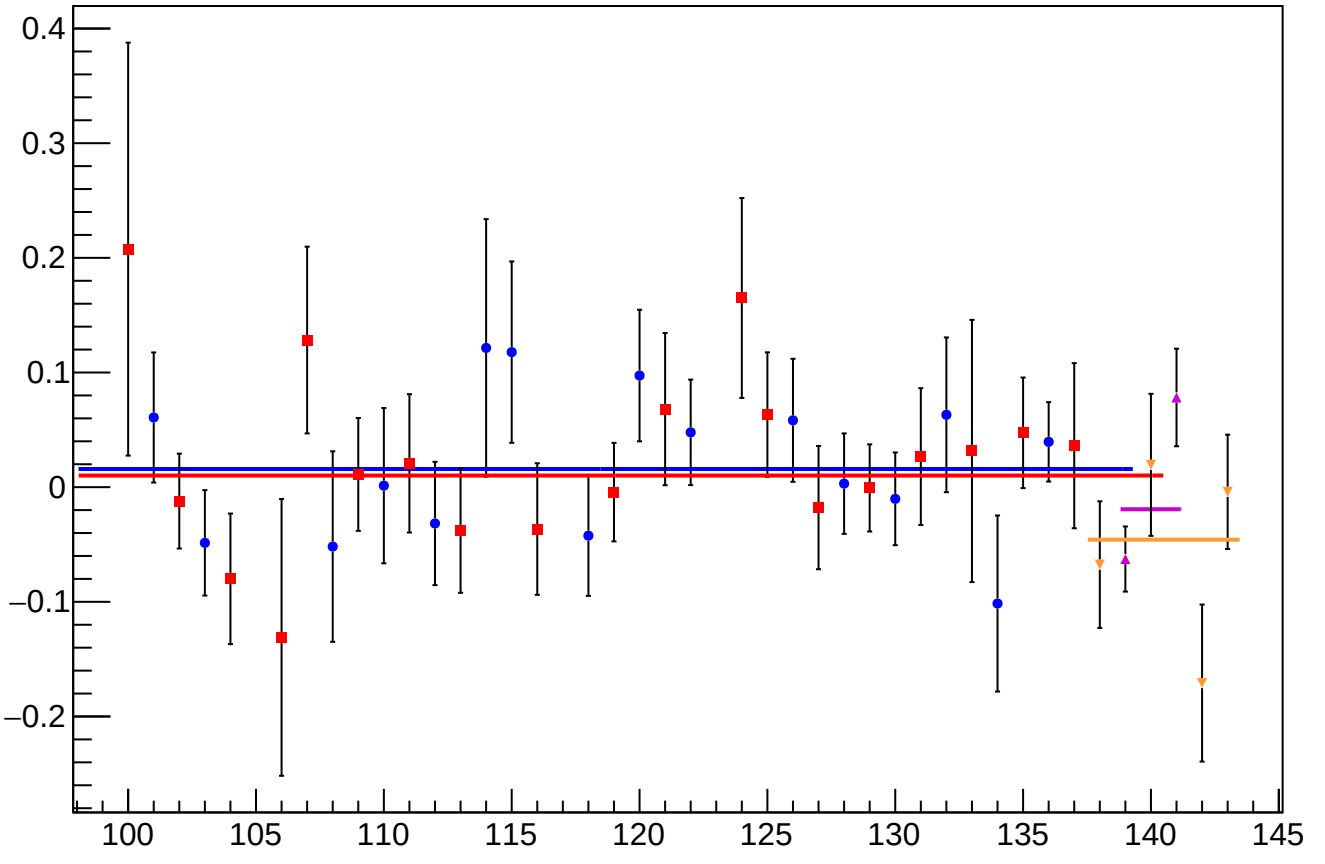
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:178784.1/1

+ sign 0.000+/-0.000 χ^2/NDF: 3230518.9/19

All: 0.000+/-0.000 χ^2/NDF: 6050171.5/40

- sign 0.000+/-0.000 χ^2/NDF: 2480120.9/20



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.046+/-0.029 χ^2/NDF:5.3/3

Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

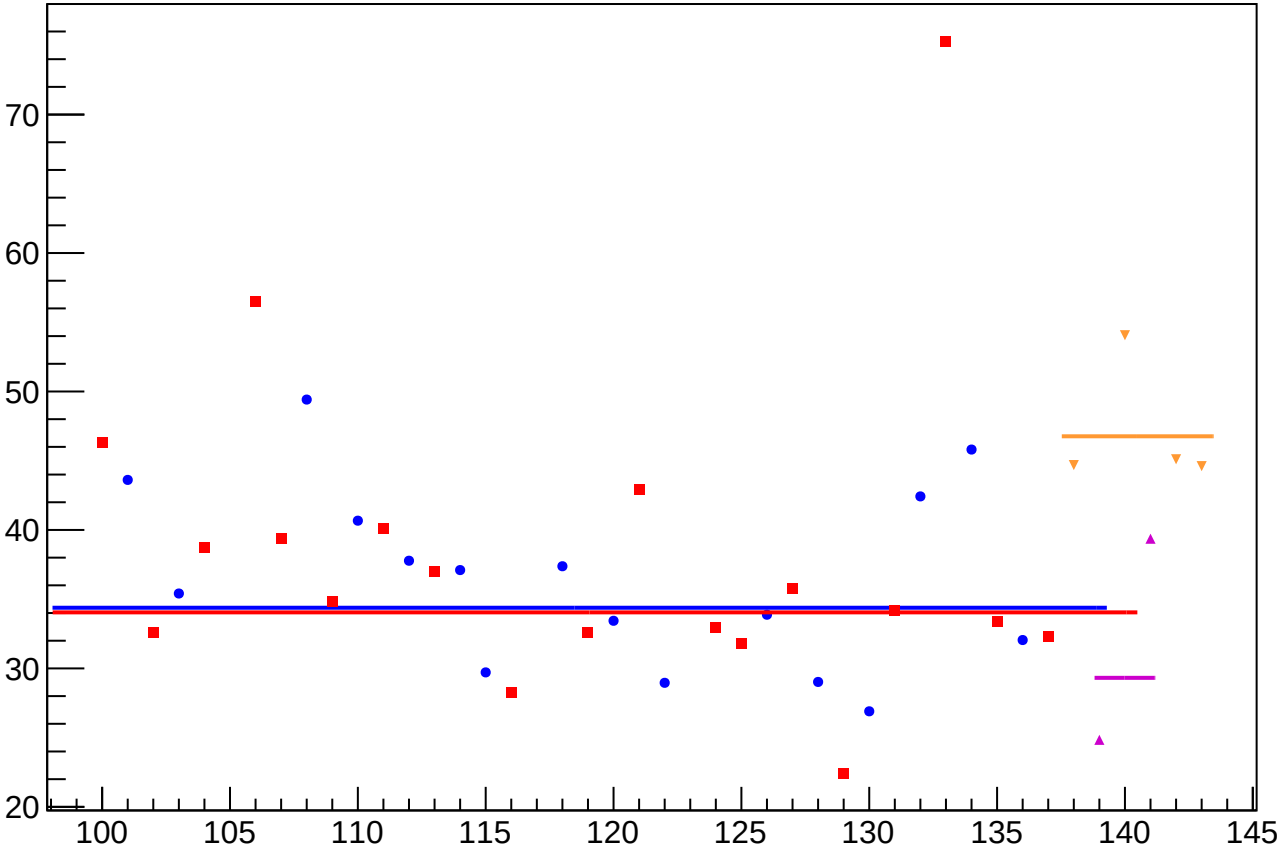
Left In: -0.019+/-0.024 χ^2/NDF:7.6/1

+ sign 0.005+/-0.012 χ^2/NDF: 23.8/19

All: 0.004+/-0.008 χ^2/NDF: 47.7/40

- sign 0.003+/-0.012 χ^2/NDF: 23.9/20

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 46.764+/-0.020 χ^2/NDF:35518.9/3

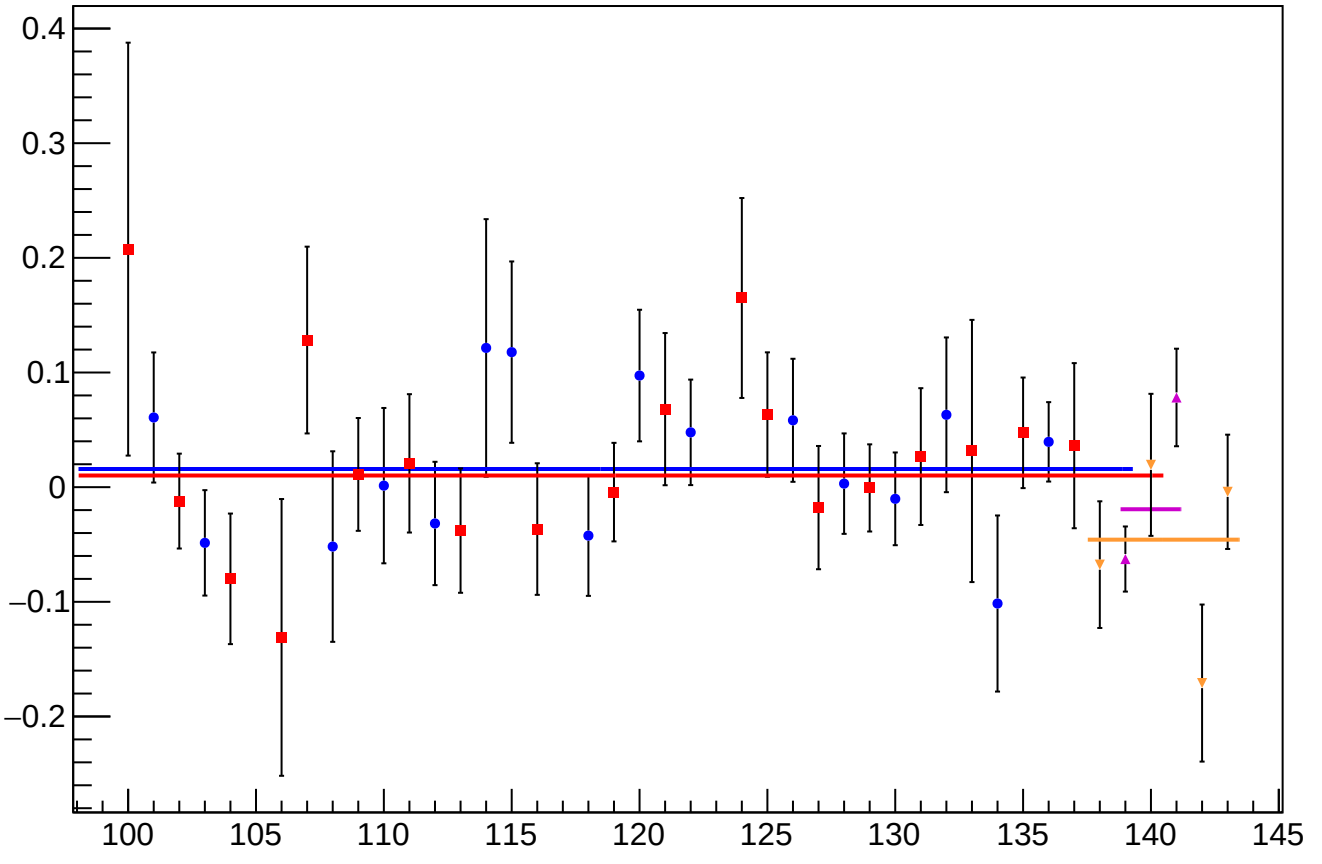
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 29.319+/-0.017 χ^2/NDF:161263.9/1

+ sign 36.582+/-0.009 χ^2/NDF: 706990.3/19

All: 34.656+/-0.006 χ^2/NDF: 1667565.3/40

- sign 32.921+/-0.008 χ^2/NDF: 865017.4/20



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.046+/-0.029 χ^2/NDF:5.3/3

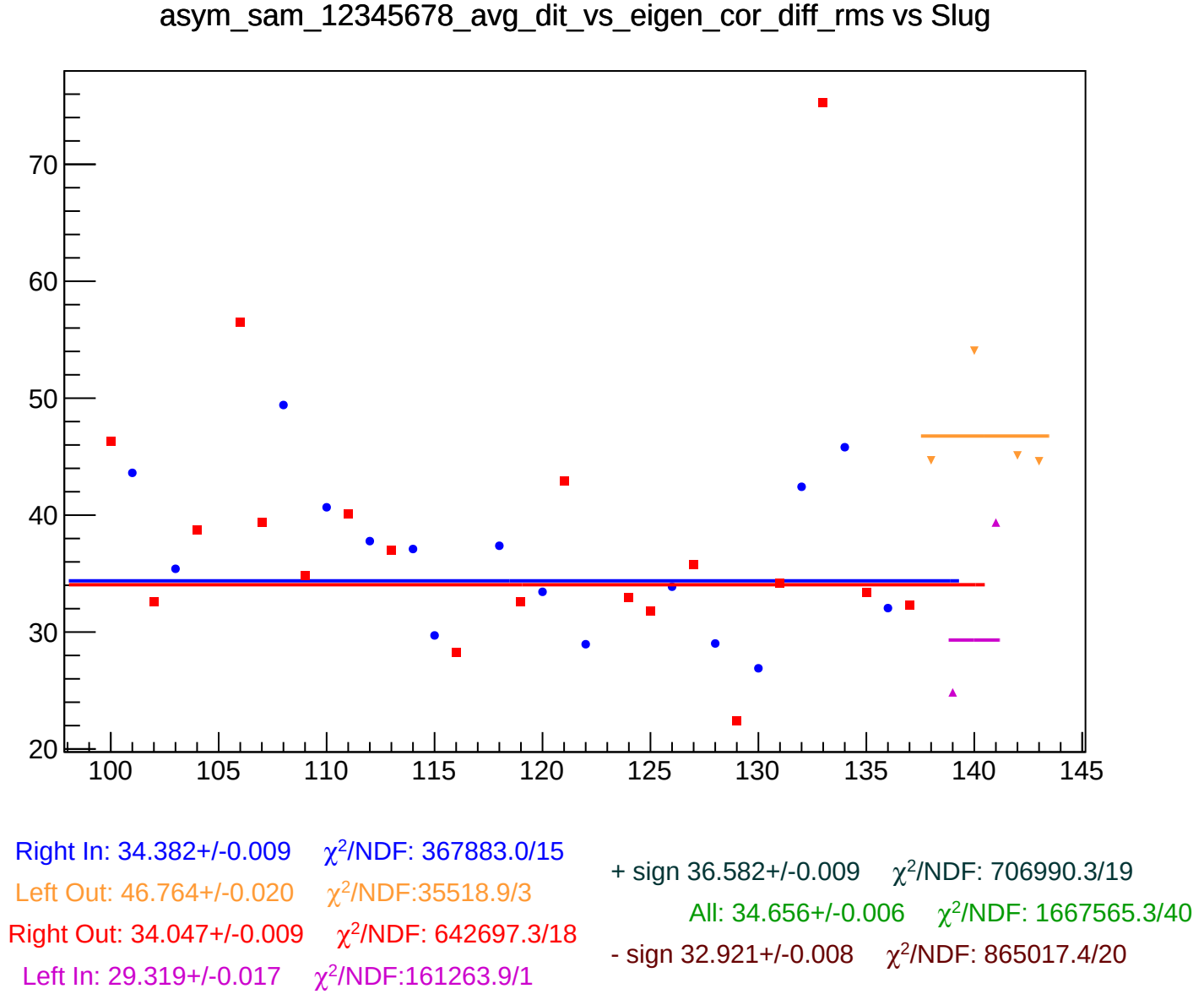
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.019+/-0.024 χ^2/NDF:7.6/1

+ sign 0.005+/-0.012 χ^2/NDF: 23.8/19

All: 0.004+/-0.008 χ^2/NDF: 47.7/40

- sign 0.003+/-0.012 χ^2/NDF: 23.9/20


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug
70
60
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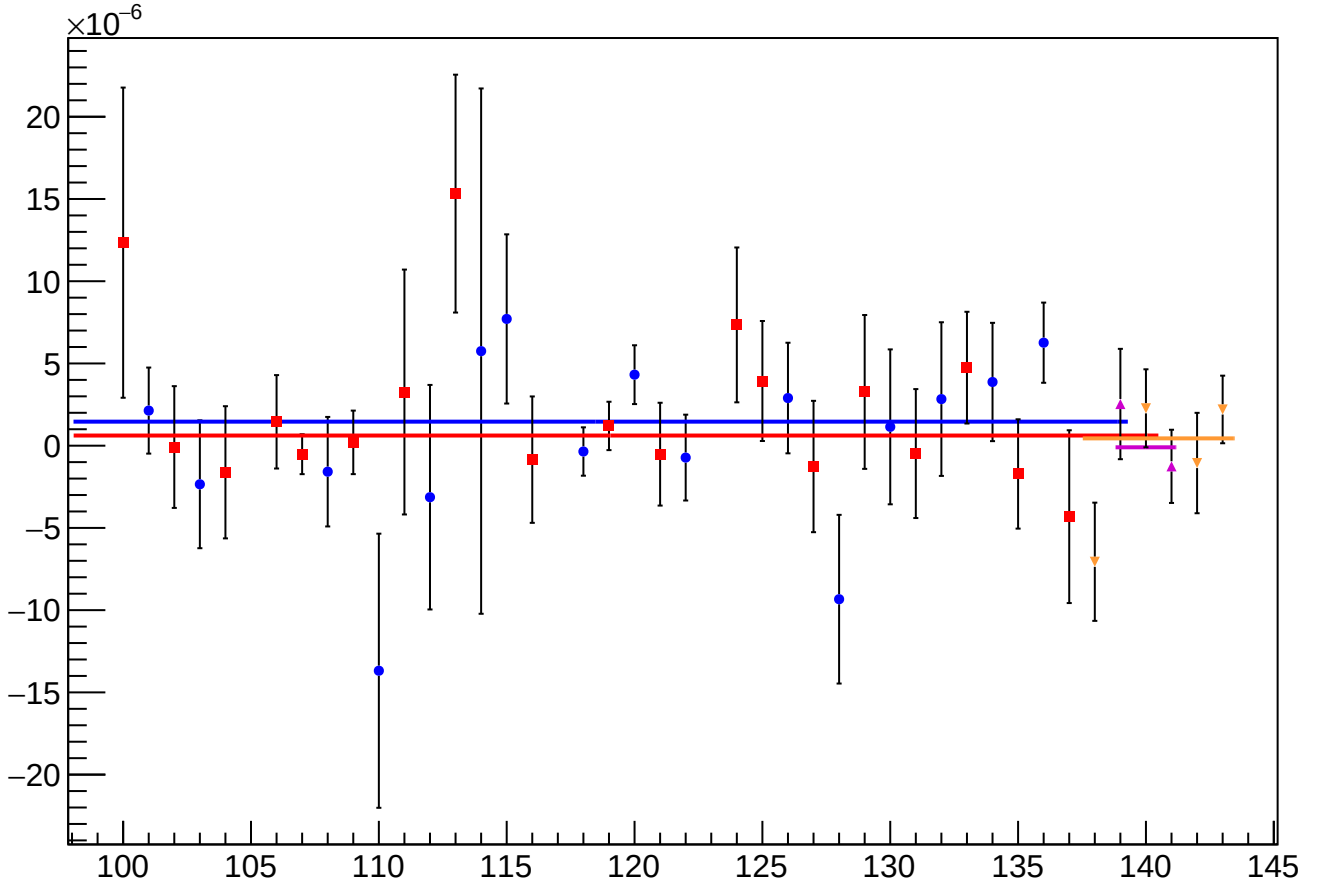
40
30
20
100
105
110
115
120
125
130
135
140
145
Right In: 34.382+/-0.009 χ²/NDF: 367883.0/15
Left Out: 46.764+/-0.020 χ²/NDF:35518.9/3
Right Out: 34.047+/-0.009 χ²/NDF: 642697.3/18
Left In: 29.319+/-0.017 χ²/NDF:161263.9/1
+ sign 36.582+/-0.009 χ²/NDF: 706990.3/19
All: 34.656+/-0.006 χ²/NDF: 1667565.3/40
- sign 32.921+/-0.008 χ²/NDF: 865017.4/20



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/3

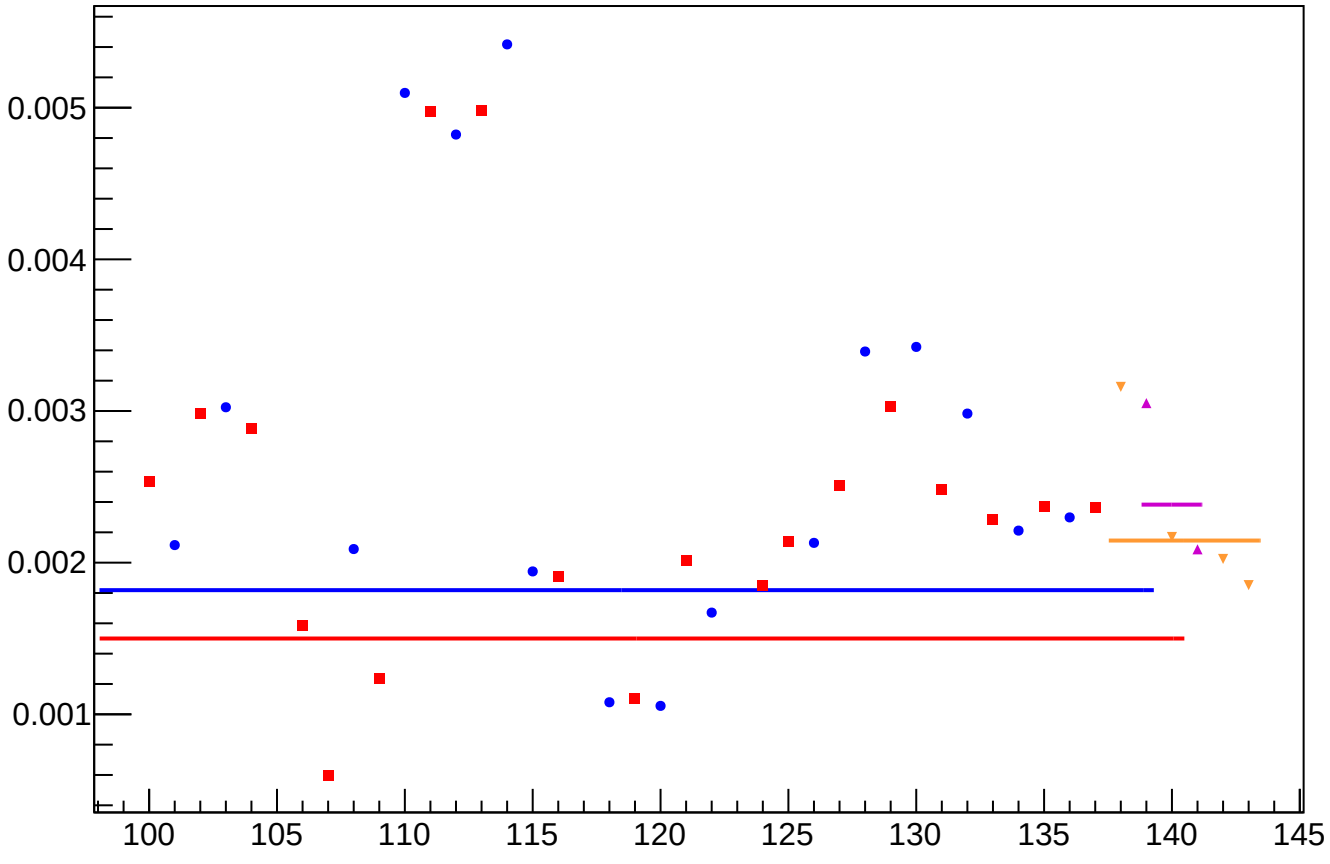
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/19

All: 0.000+/-0.000 χ^2/NDF: 42.9/40

- sign 0.000+/-0.000 χ^2/NDF: 15.0/20



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:203248.1/3

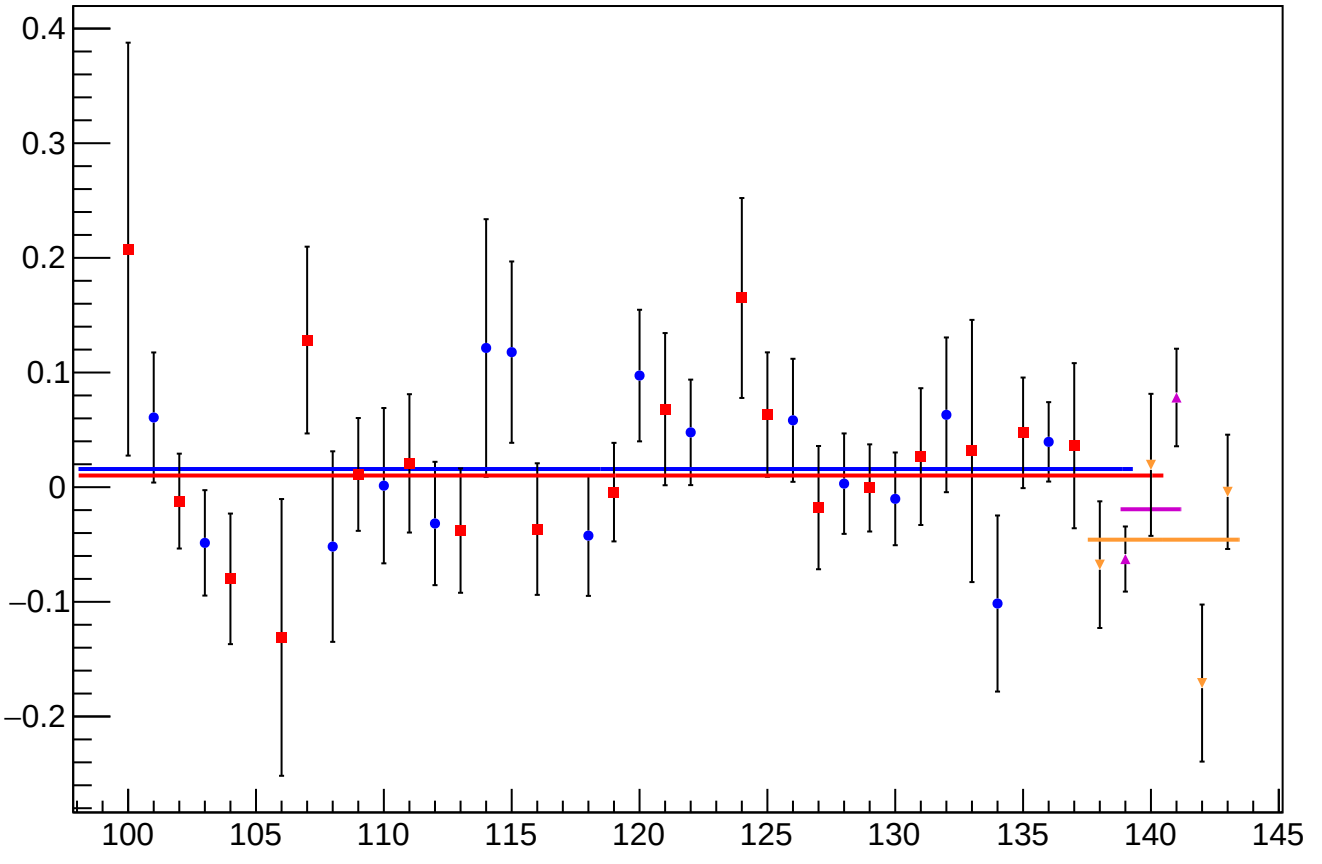
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:114688.8/1

+ sign 0.002+/-0.000 χ^2/NDF: 2869246.0/19

All: 0.002+/-0.000 χ^2/NDF: 7313193.3/40

- sign 0.002+/-0.000 χ^2/NDF: 4208219.4/20



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.046+/-0.029 χ^2/NDF:5.3/3

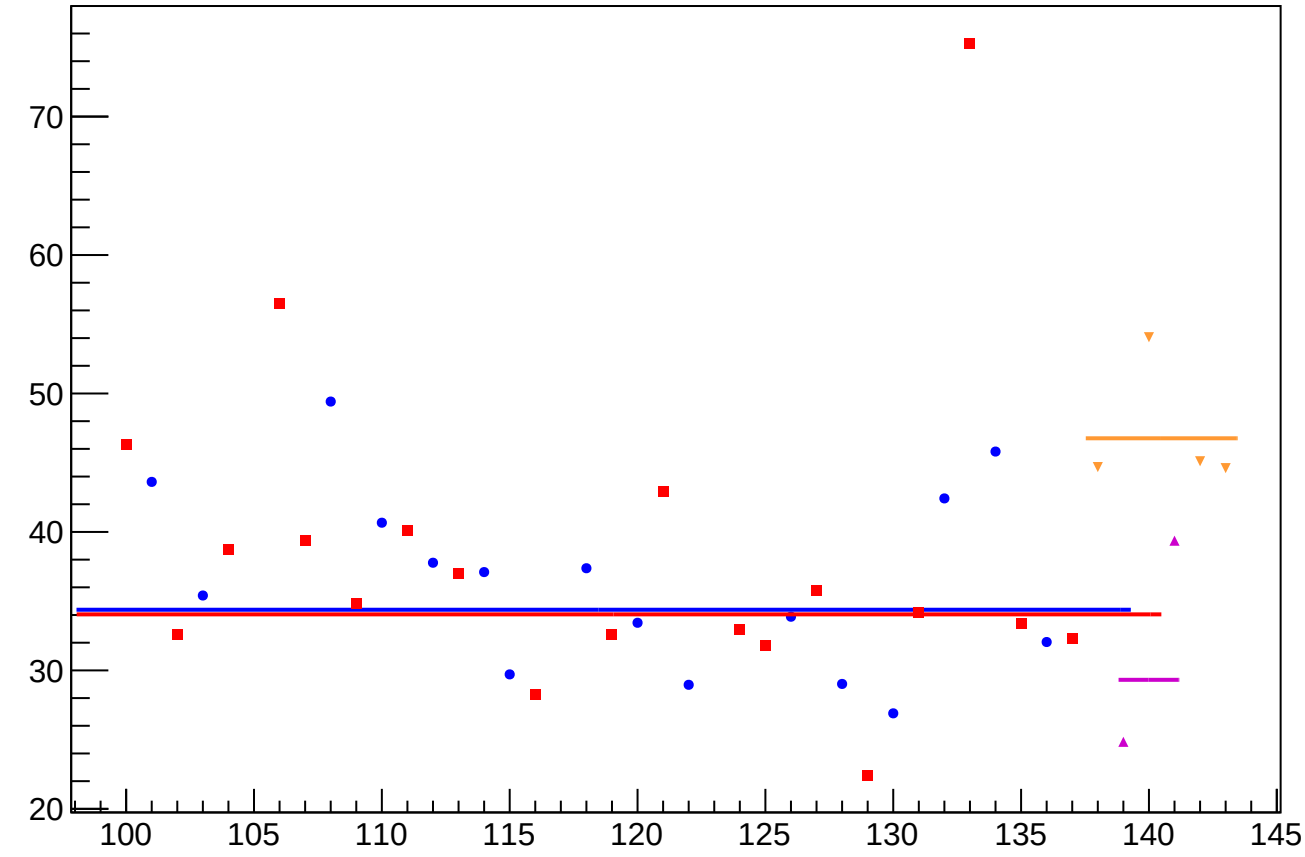
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.019+/-0.024 χ^2/NDF:7.6/1

+ sign 0.005+/-0.012 χ^2/NDF: 23.8/19

All: 0.004+/-0.008 χ^2/NDF: 47.7/40

- sign 0.003+/-0.012 χ^2/NDF: 23.9/20



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 46.764+/-0.020 χ^2/NDF:35522.0/3

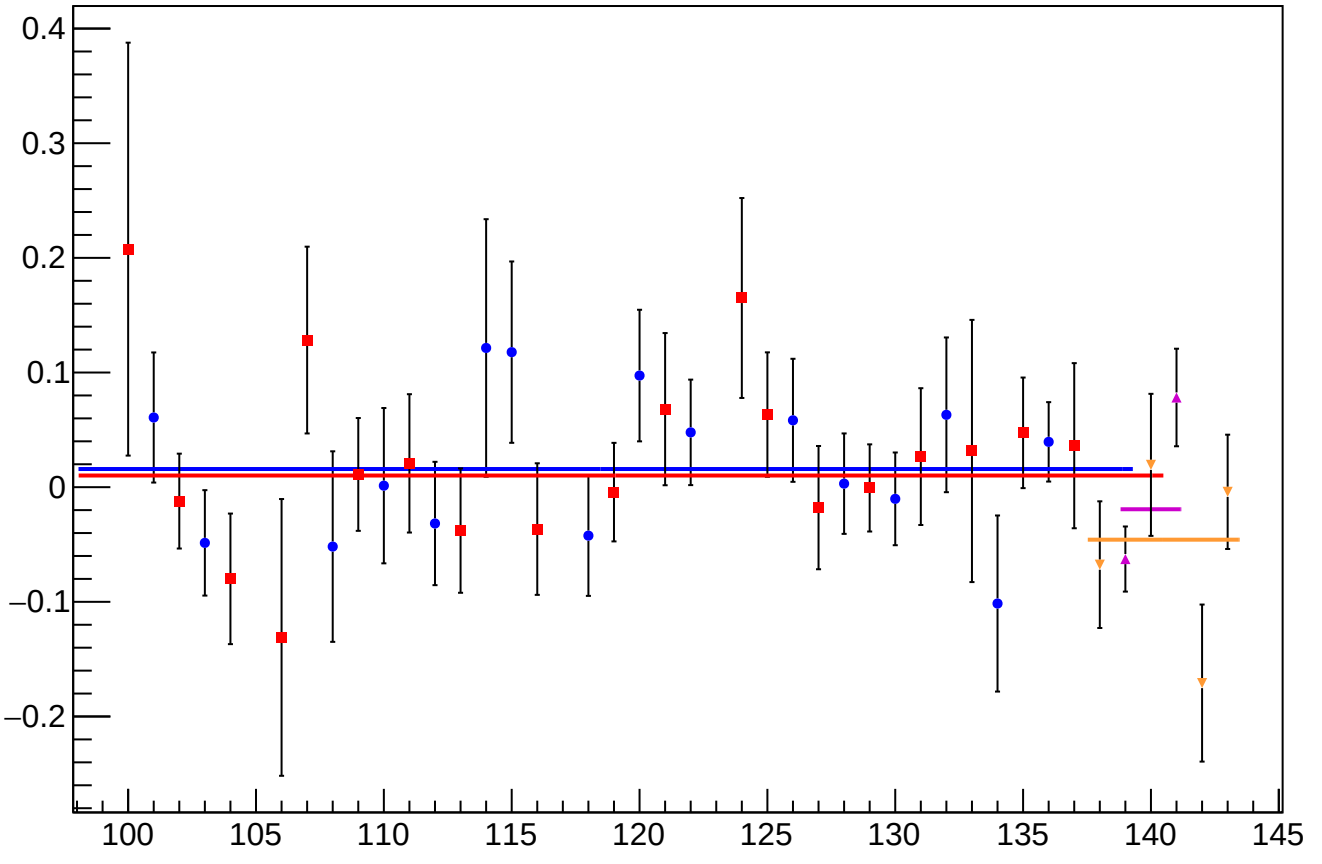
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 29.319+/-0.017 χ^2/NDF:161266.8/1

+ sign 36.581+/-0.009 χ^2/NDF: 707097.0/19

All: 34.655+/-0.006 χ^2/NDF: 1667682.3/40

- sign 32.921+/-0.008 χ^2/NDF: 865044.6/20



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.046+/-0.029 χ^2/NDF:5.3/3

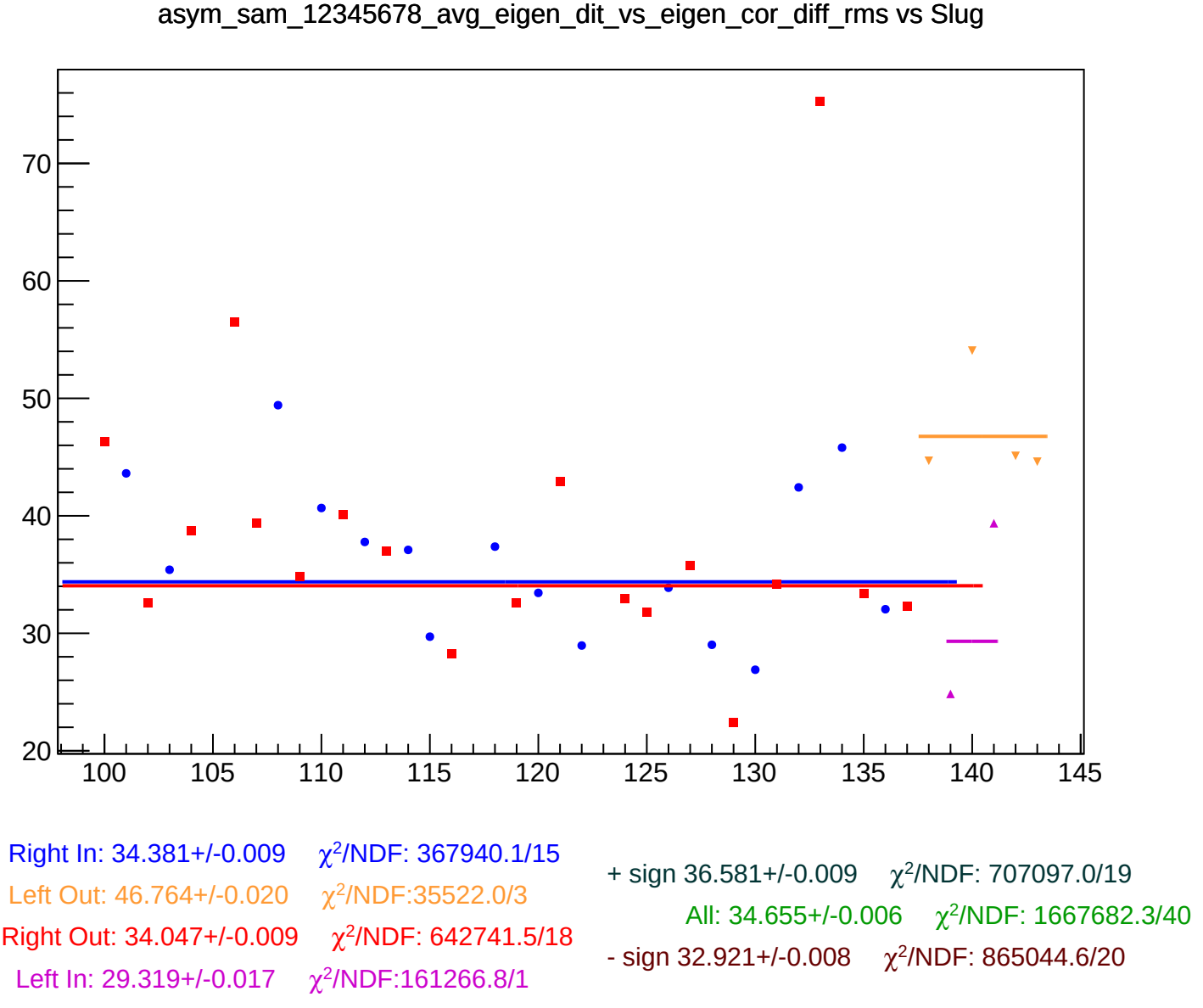
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

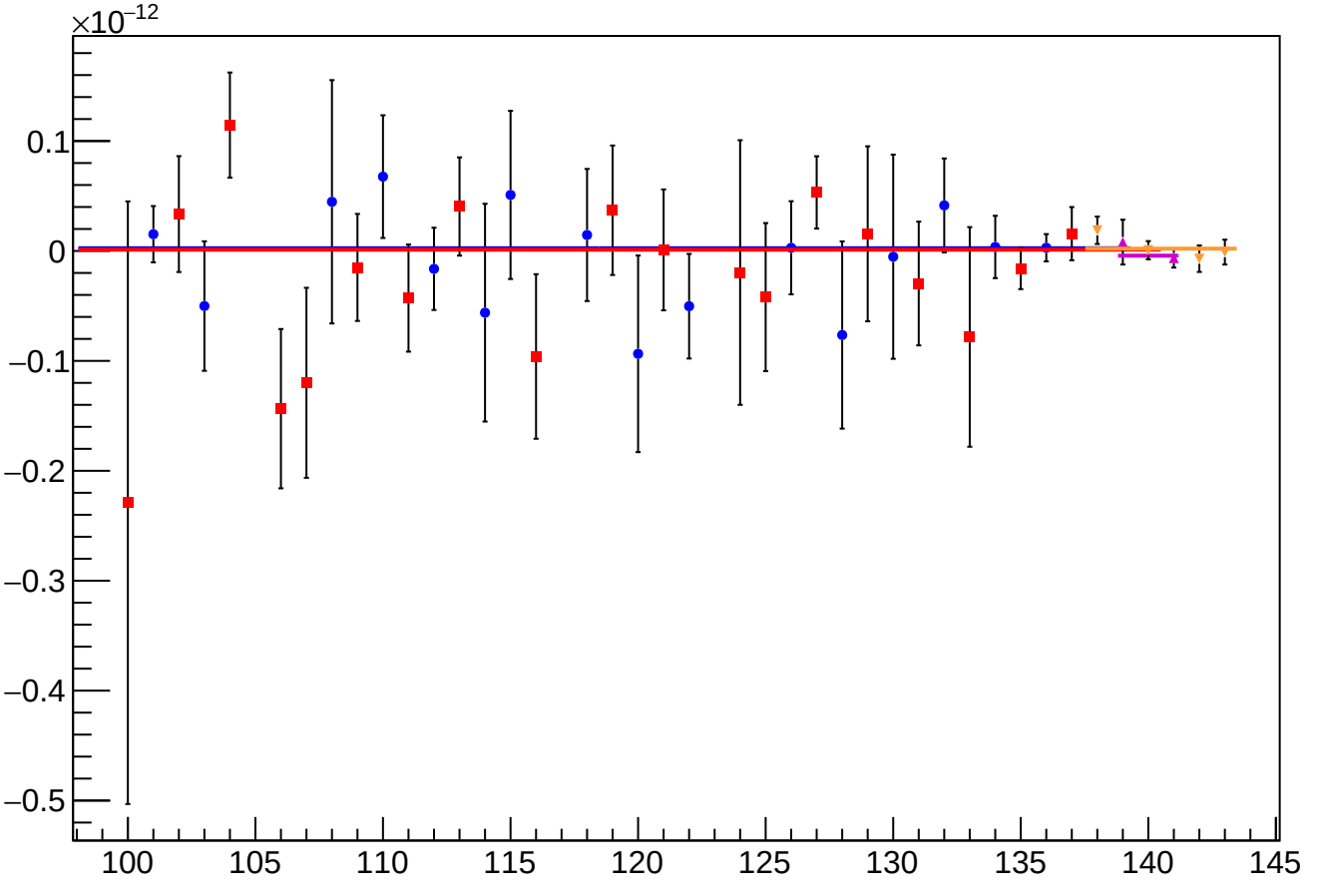
Left In: -0.019+/-0.024 χ^2/NDF:7.6/1

+ sign 0.005+/-0.012 χ^2/NDF: 23.8/19

All: 0.004+/-0.008 χ^2/NDF: 47.7/40

- sign 0.003+/-0.012 χ^2/NDF: 23.9/20


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
105
110
115
120
125
130
135
140
145
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 46.764+/-0.020 χ²/NDF:35522.0/3
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 29.319+/-0.017 χ²/NDF:161266.8/1
+ sign 36.581+/-0.009 χ²/NDF: 707097.0/19
All: 34.655+/-0.006 χ²/NDF: 1667682.3/40
- sign 32.921+/-0.008 χ²/NDF: 865044.6/20



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/3

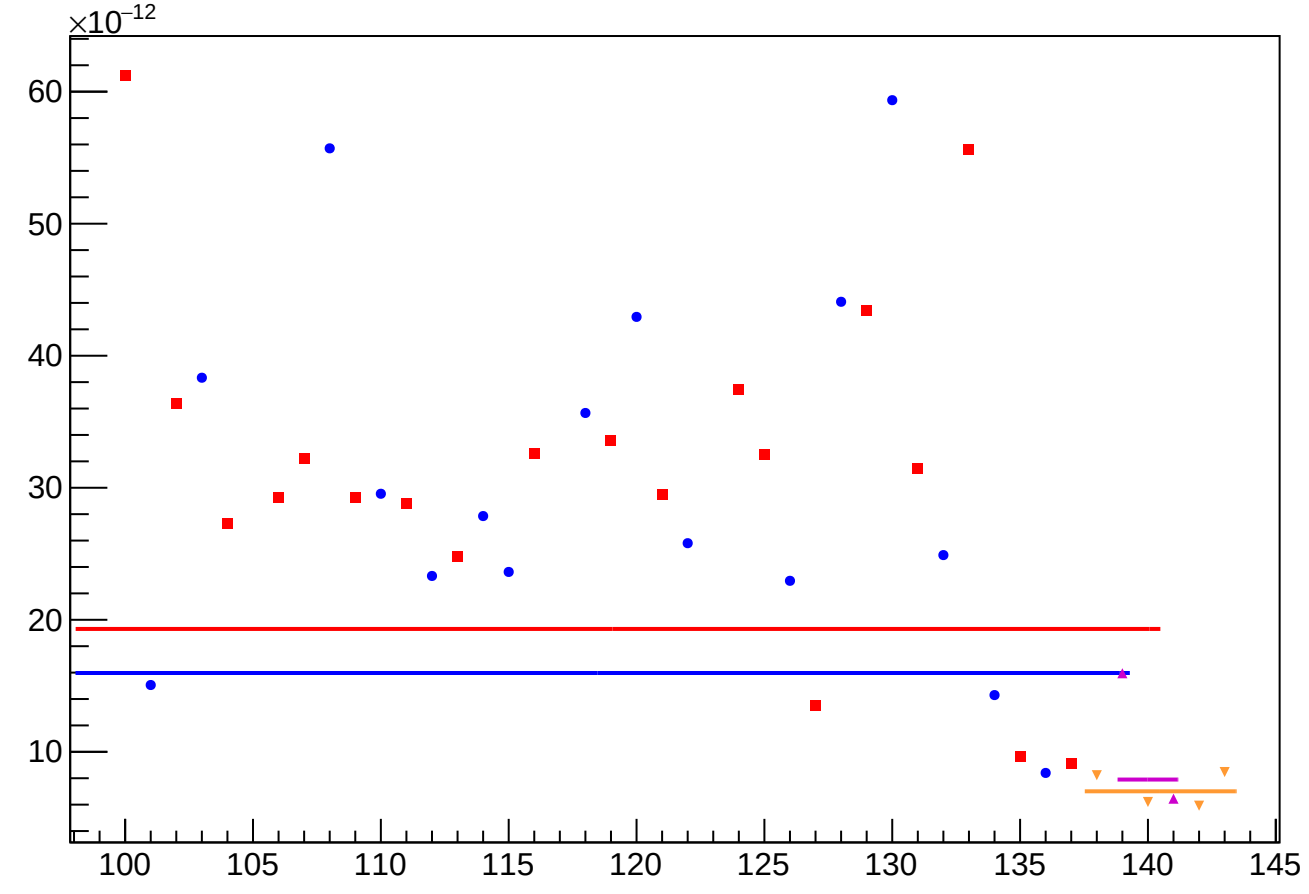
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

+ sign 0.000+/-0.000 χ^2/NDF: 10.1/19

All: 0.000+/-0.000 χ^2/NDF: 32.6/40

- sign -0.000+/-0.000 χ^2/NDF: 22.1/20



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:87728.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

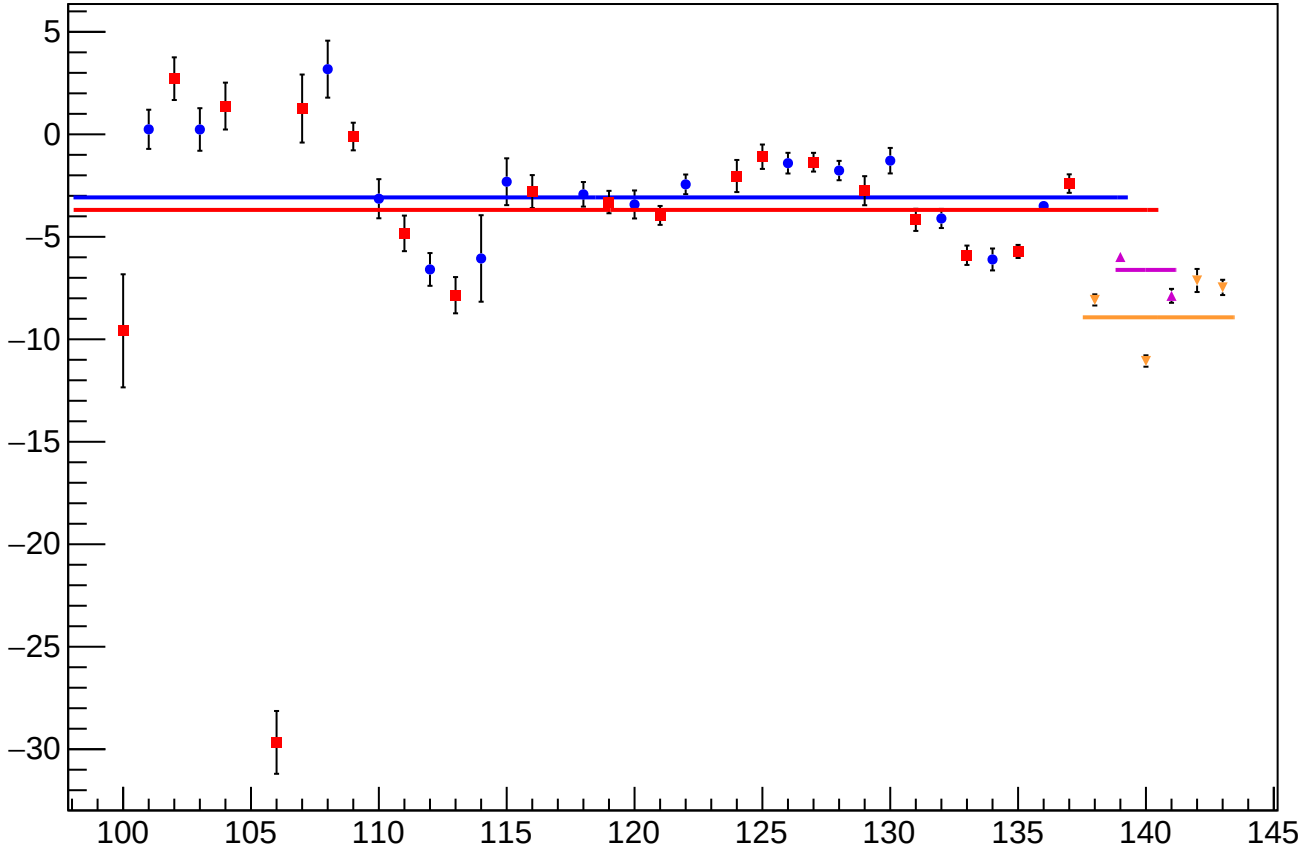
Left In: 0.000+/-0.000 χ^2/NDF:368453.8/1

+ sign 0.000+/-0.000 χ^2/NDF: 4453493.8/19

All: 0.000+/-0.000 χ^2/NDF: 9077635.1/40

- sign 0.000+/-0.000 χ^2/NDF: 4363612.8/20

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.928+/-0.165 χ^2/NDF:94.2/3

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

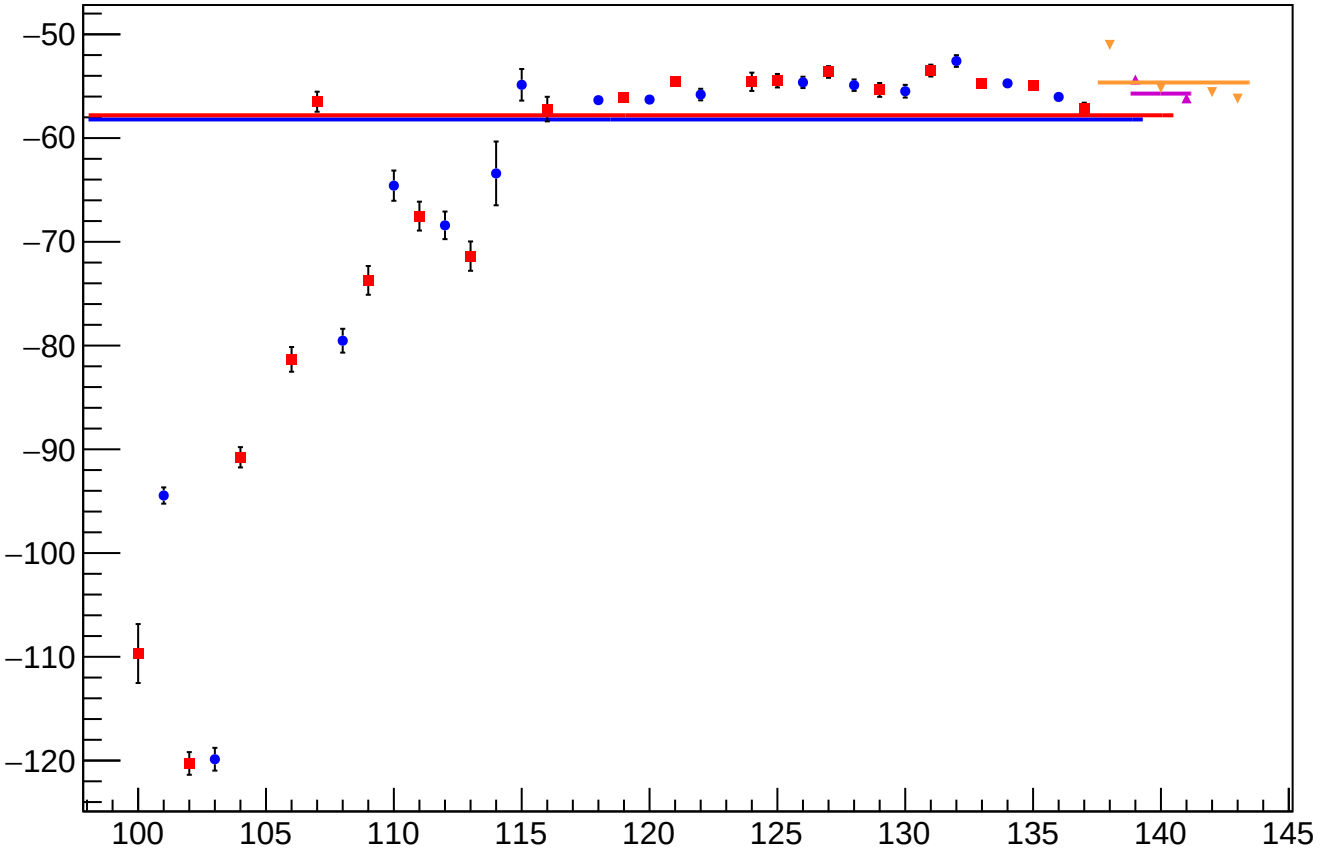
Left In: -6.614+/-0.196 χ^2/NDF:20.8/1

+ sign -5.433+/-0.105 χ^2/NDF: 981.9/19

All: -5.088+/-0.077 χ^2/NDF: 1708.8/40

- sign -4.677+/-0.114 χ^2/NDF: 703.1/20

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.643+/-0.143 χ^2/NDF:177.5/3

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

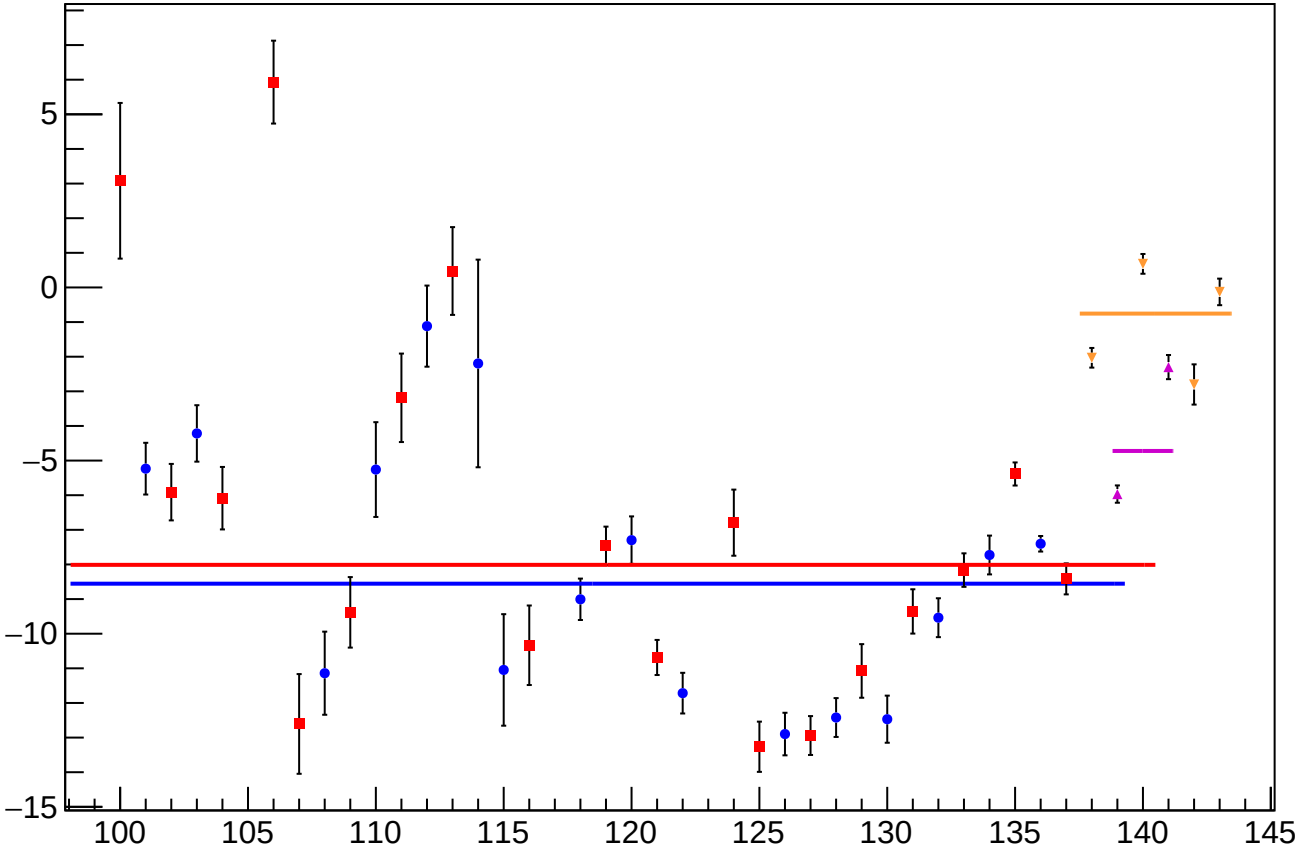
Left In: -55.712+/-0.217 χ^2/NDF:13.1/1

+ sign -56.519+/-0.098 χ^2/NDF: 6631.1/19

All: -56.801+/-0.075 χ^2/NDF: 12522.7/40

- sign -57.200+/-0.117 χ^2/NDF: 5871.6/20

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -0.755+/-0.170 χ^2/NDF:60.6/3

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

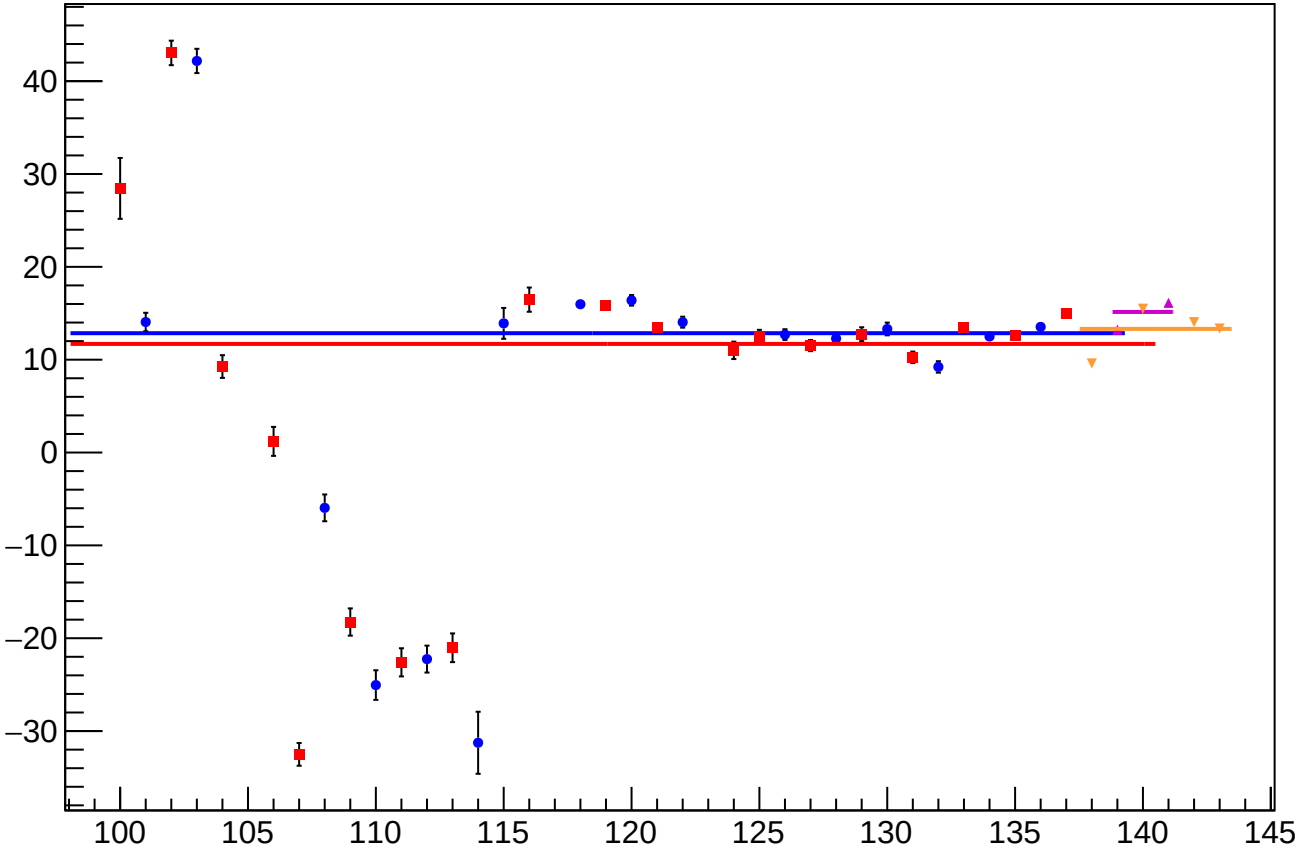
Left In: -4.722+/-0.203 χ^2/NDF:73.0/1

+ sign -5.287+/-0.110 χ^2/NDF: 1578.2/19

All: -5.976+/-0.082 χ^2/NDF: 2394.7/40

- sign -6.822+/-0.122 χ^2/NDF: 729.6/20

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.319+/-0.167 χ^2/NDF:180.2/3

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

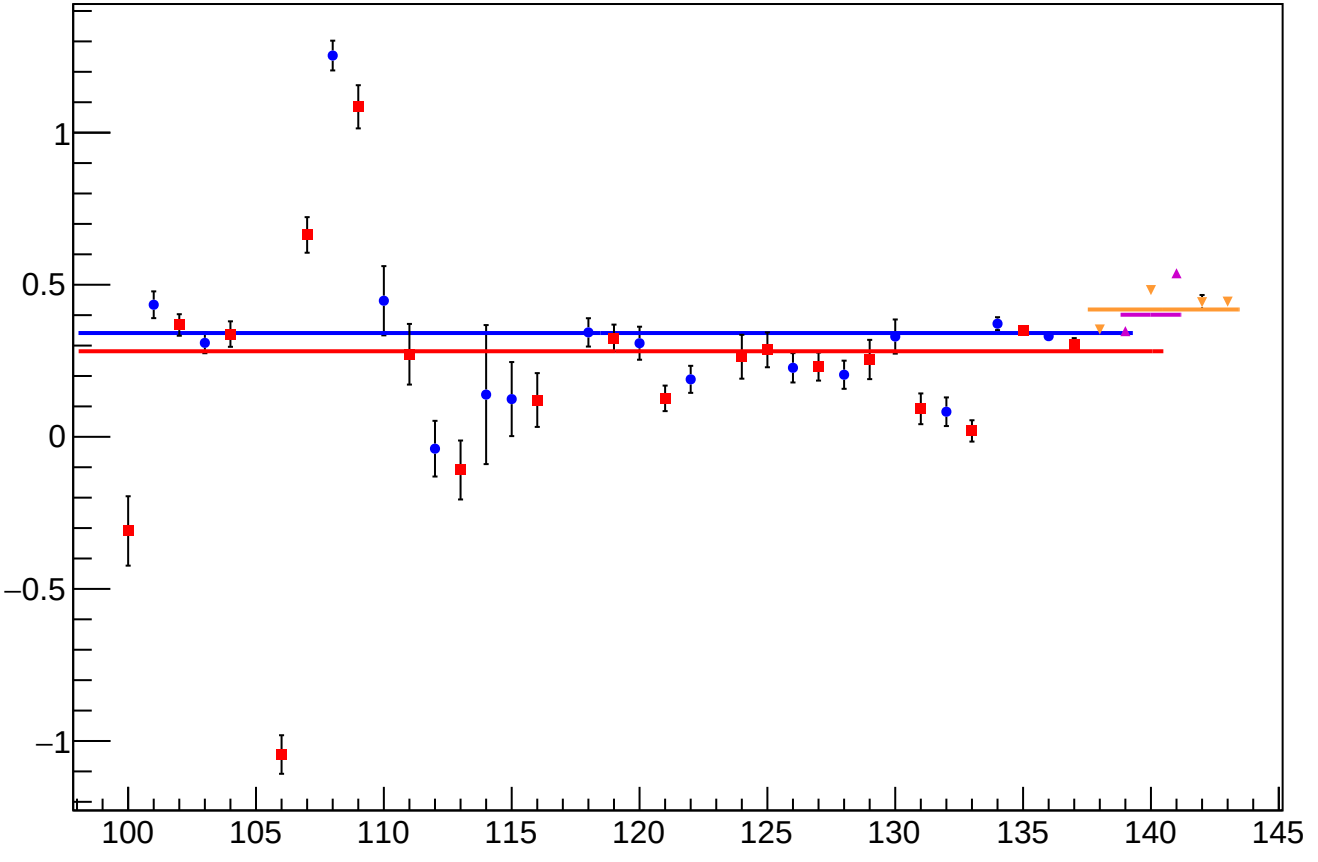
Left In: 15.142+/-0.242 χ^2/NDF:32.2/1

+ sign 13.062+/-0.112 χ^2/NDF: 2312.9/19

All: 12.910+/-0.085 χ^2/NDF: 5992.0/40

- sign 12.702+/-0.131 χ^2/NDF: 3674.7/20

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.419+/-0.007 χ^2/NDF:65.1/3

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

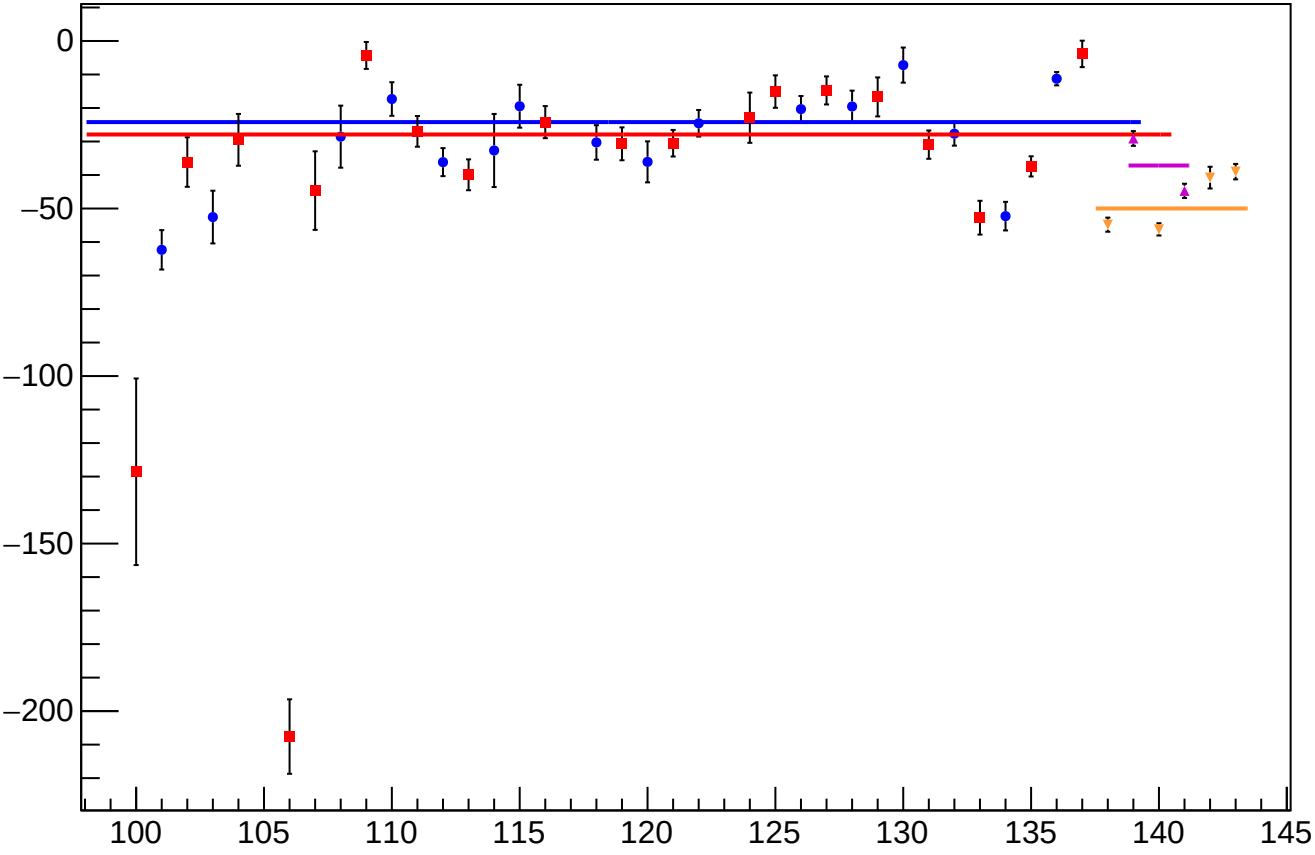
Left In: 0.401+/-0.008 χ^2/NDF:128.8/1

+ sign 0.384+/-0.005 χ^2/NDF: 553.7/19

All: 0.368+/-0.004 χ^2/NDF: 1594.1/40

- sign 0.348+/-0.006 χ^2/NDF: 1018.2/20

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.988+/-1.114 χ^2/NDF:47.6/3

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

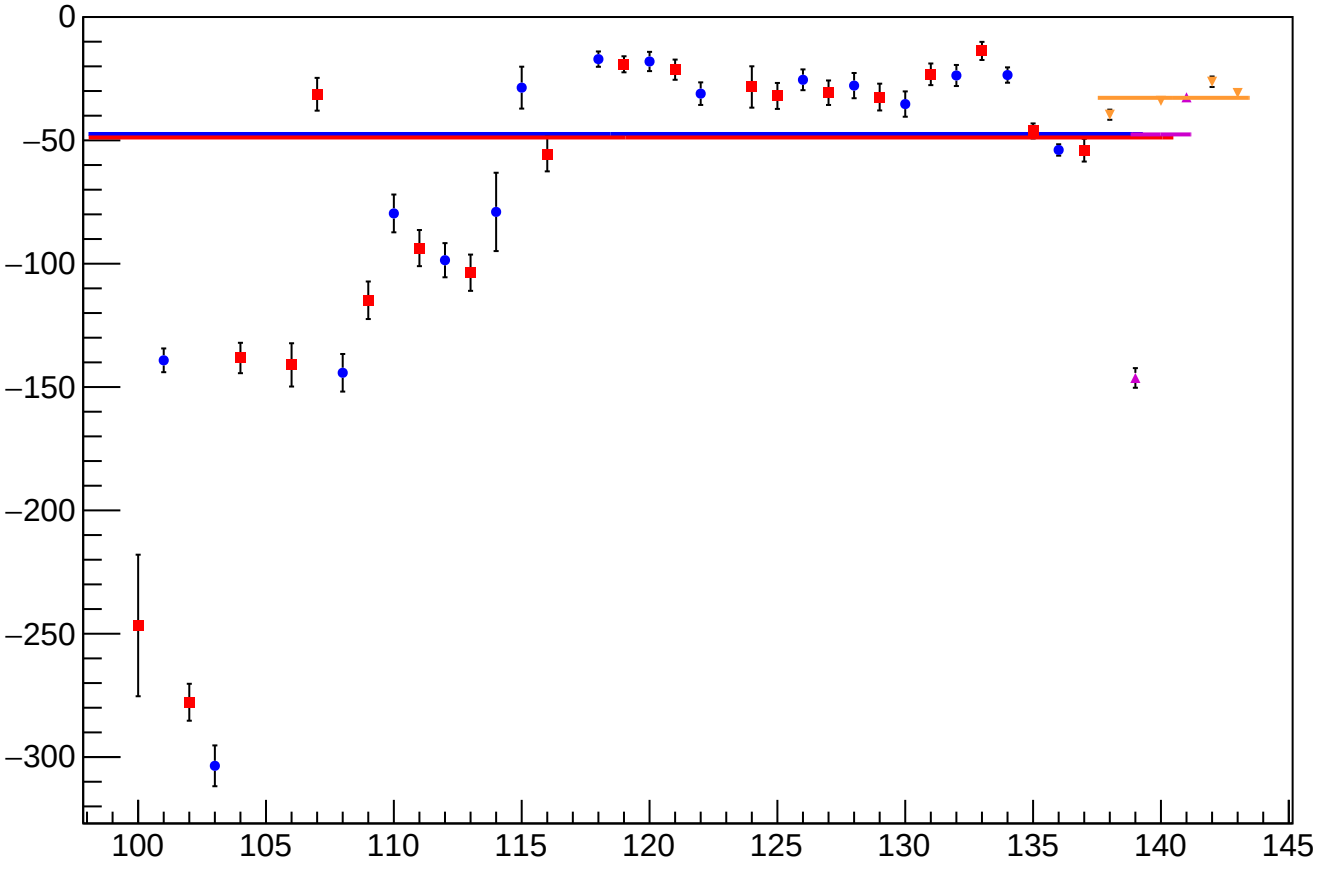
Left In: -37.165+/-1.533 χ^2/NDF:26.0/1

+ sign -36.774+/-0.778 χ^2/NDF: 492.9/19

All: -34.427+/-0.592 χ^2/NDF: 977.5/40

- sign -31.192+/-0.913 χ^2/NDF: 462.9/20

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -32.760+/-0.894 χ^2/NDF:22.6/3

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

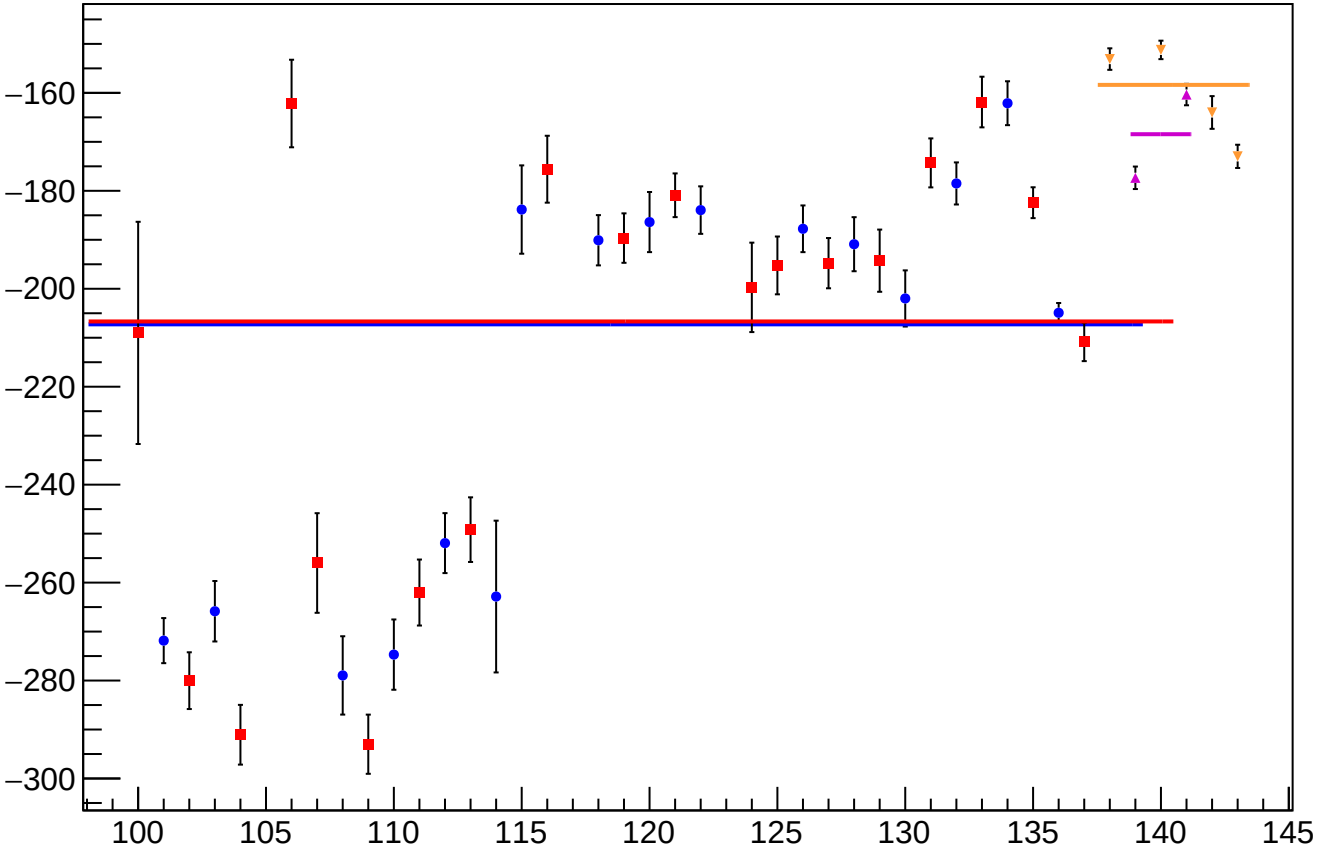
Left In: -47.596+/-1.450 χ^2/NDF:707.1/1

+ sign -38.583+/-0.694 χ^2/NDF: 2002.9/19

All: -42.138+/-0.553 χ^2/NDF: 4557.1/40

- sign -48.338+/-0.916 χ^2/NDF: 2482.1/20

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -158.370+/-1.150 χ^2/NDF:60.8/3

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

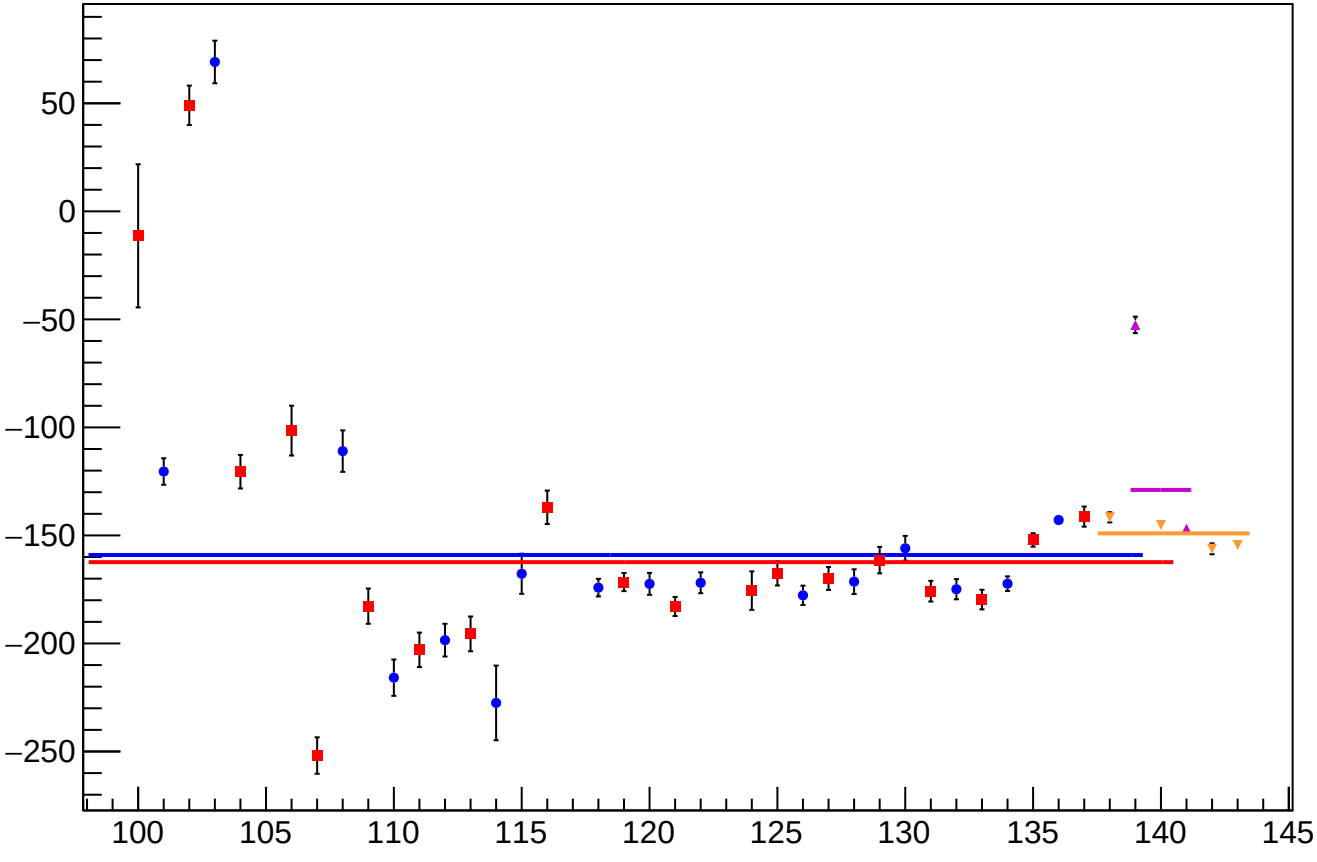
Left In: -168.441+/-1.584 χ^2/NDF:28.7/1

+ sign -182.232+/-0.823 χ^2/NDF: 1690.9/19

All: -186.028+/-0.634 χ^2/NDF: 3093.9/40

- sign -191.580+/-0.995 χ^2/NDF: 1350.6/20

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.041+/-1.060 χ^2/NDF:29.7/3

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

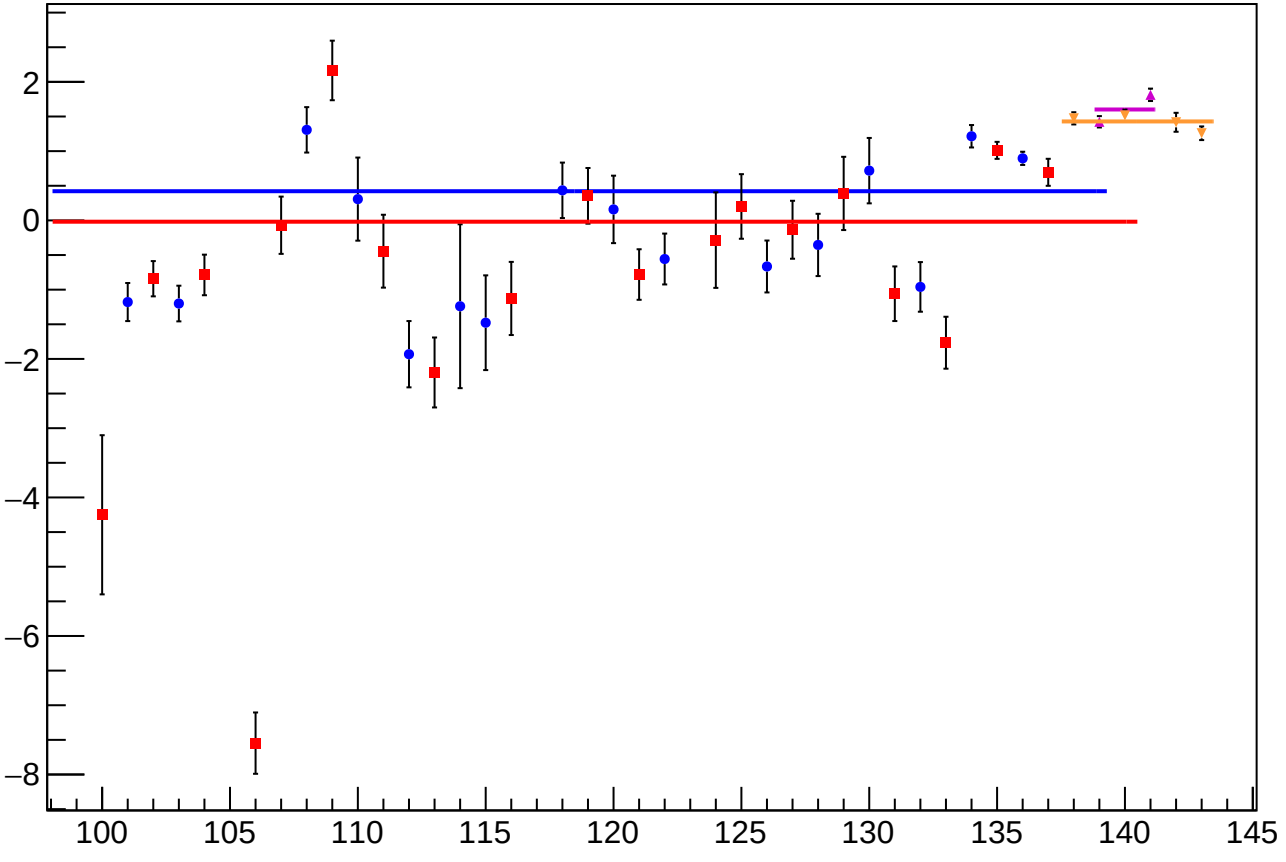
Left In: -128.940+/-1.668 χ^2/NDF:492.9/1

+ sign -153.324+/-0.802 χ^2/NDF: 883.6/19

All: -151.874+/-0.634 χ^2/NDF: 2504.2/40

- sign -149.448+/-1.037 χ^2/NDF: 1611.9/20

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.429+/-0.048 χ^2/NDF:4.3/3

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

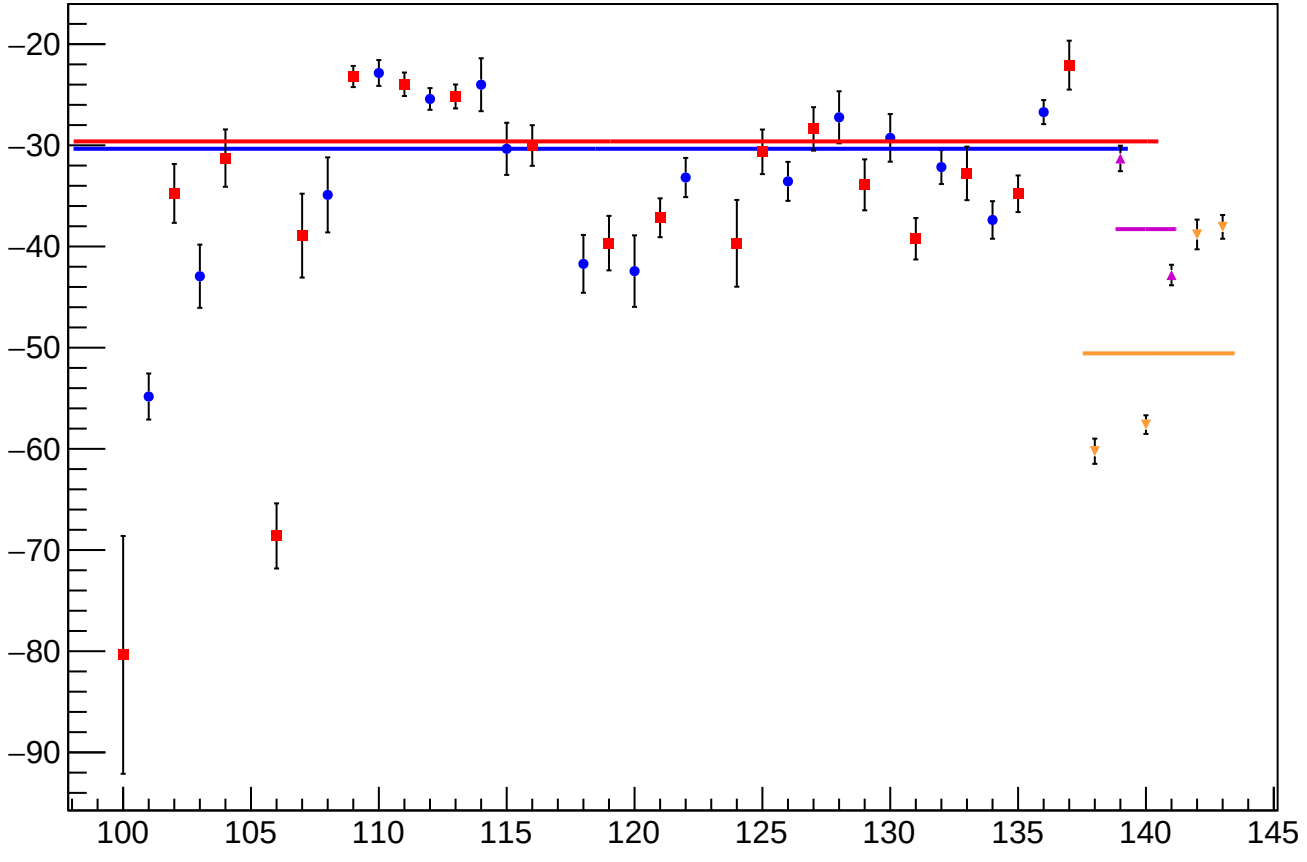
Left In: 1.601+/-0.061 χ^2/NDF:10.3/1

+ sign 1.068+/-0.039 χ^2/NDF: 357.0/19

All: 1.013+/-0.030 χ^2/NDF: 1155.6/40

- sign 0.934+/-0.046 χ^2/NDF: 793.7/20

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -50.562+/-0.576 χ^2/NDF:296.0/3

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

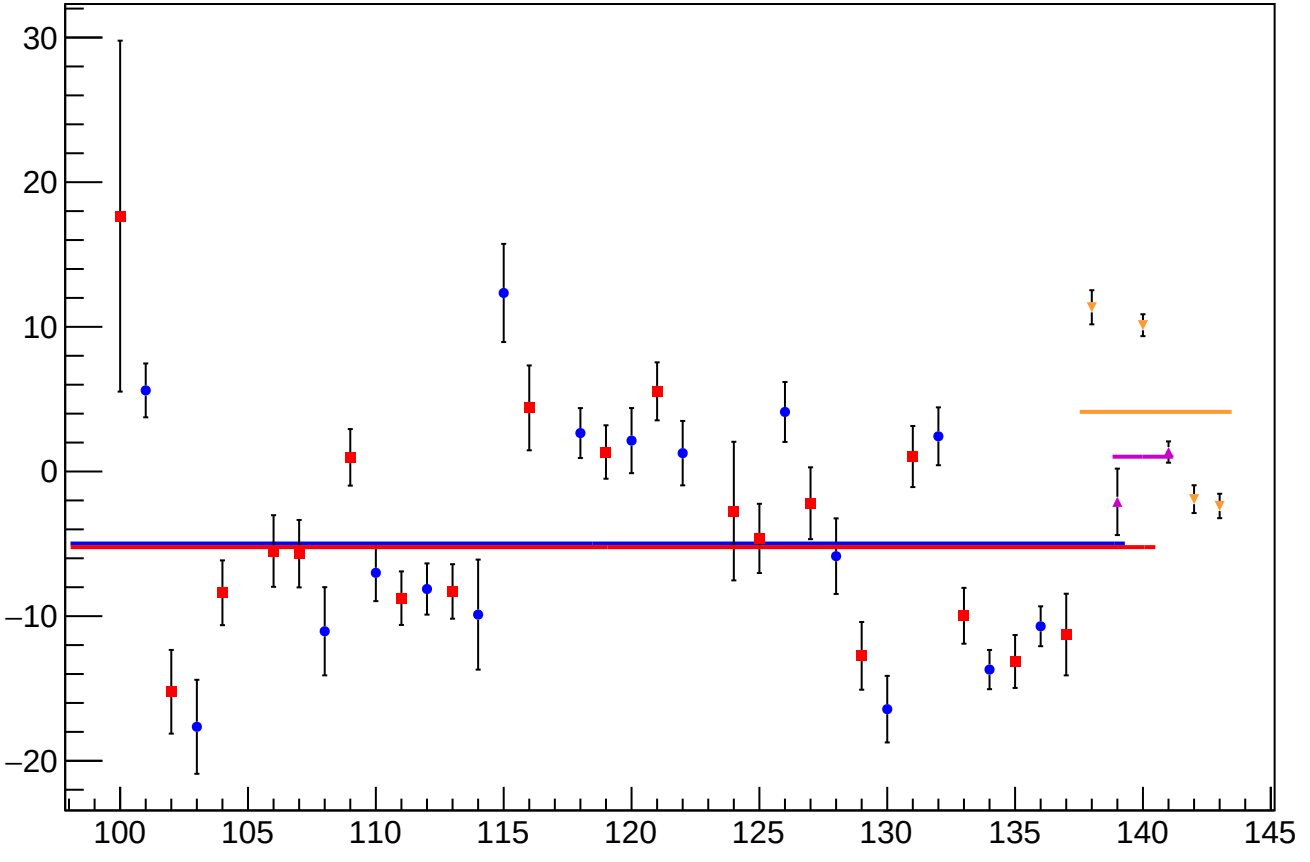
Left In: -38.281+/-0.790 χ^2/NDF:50.8/1

+ sign -38.373+/-0.363 χ^2/NDF: 1291.6/19

All: -35.303+/-0.266 χ^2/NDF: 1916.8/40

- sign -31.739+/-0.391 χ^2/NDF: 470.8/20

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 4.121+/-0.449 χ^2/NDF:199.2/3

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

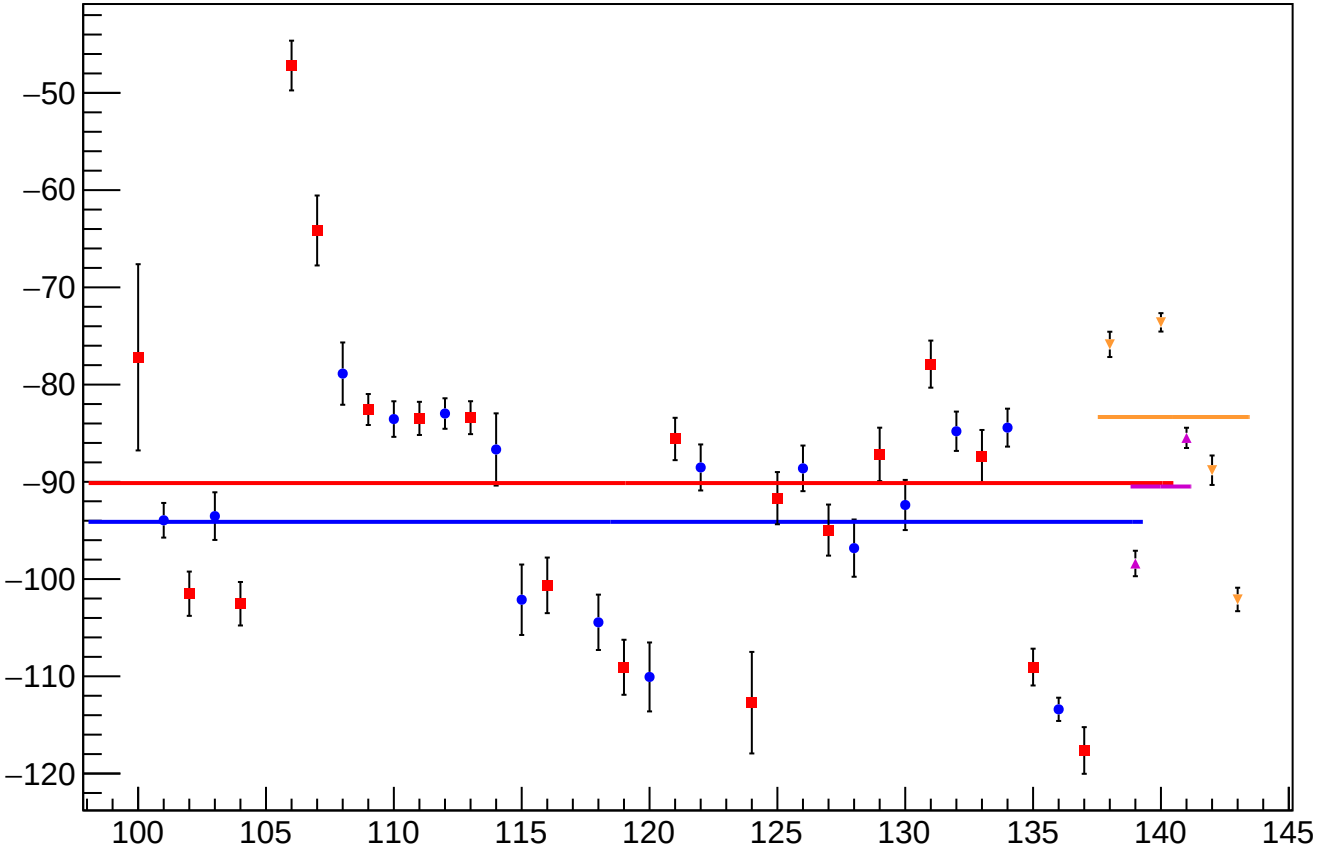
Left In: 1.024+/-0.701 χ^2/NDF:2.0/1

+ sign 0.141+/-0.337 χ^2/NDF: 616.0/19

All: -1.087+/-0.263 χ^2/NDF: 839.3/40

- sign -2.989+/-0.420 χ^2/NDF: 189.6/20

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -83.333+/-0.595 χ^2/NDF:393.4/3

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

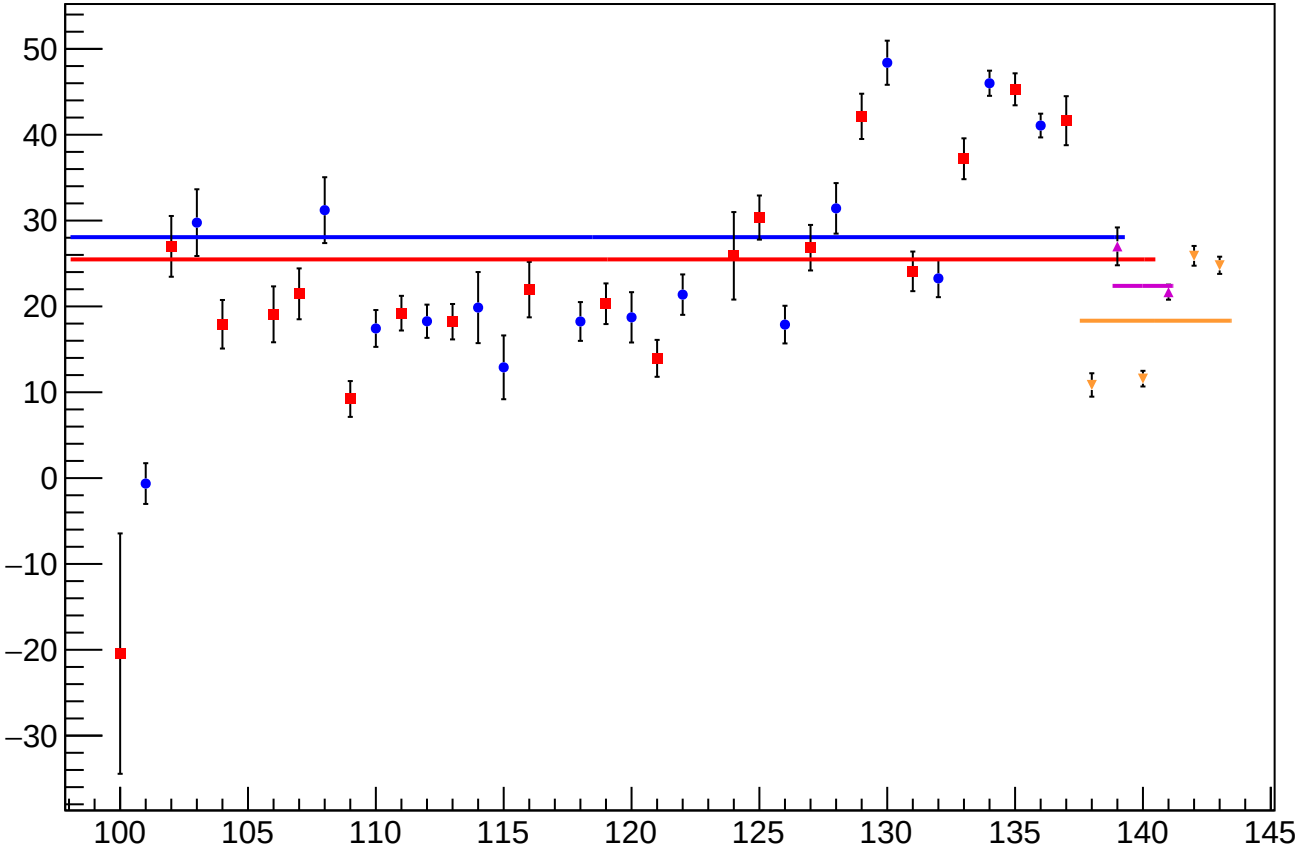
Left In: -90.481+/-0.815 χ^2/NDF:59.6/1

+ sign -89.271+/-0.399 χ^2/NDF: 1041.3/19

All: -89.693+/-0.299 χ^2/NDF: 1893.0/40

- sign -90.236+/-0.452 χ^2/NDF: 849.1/20

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 18.334+/-0.535 χ^2/NDF:169.5/3

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

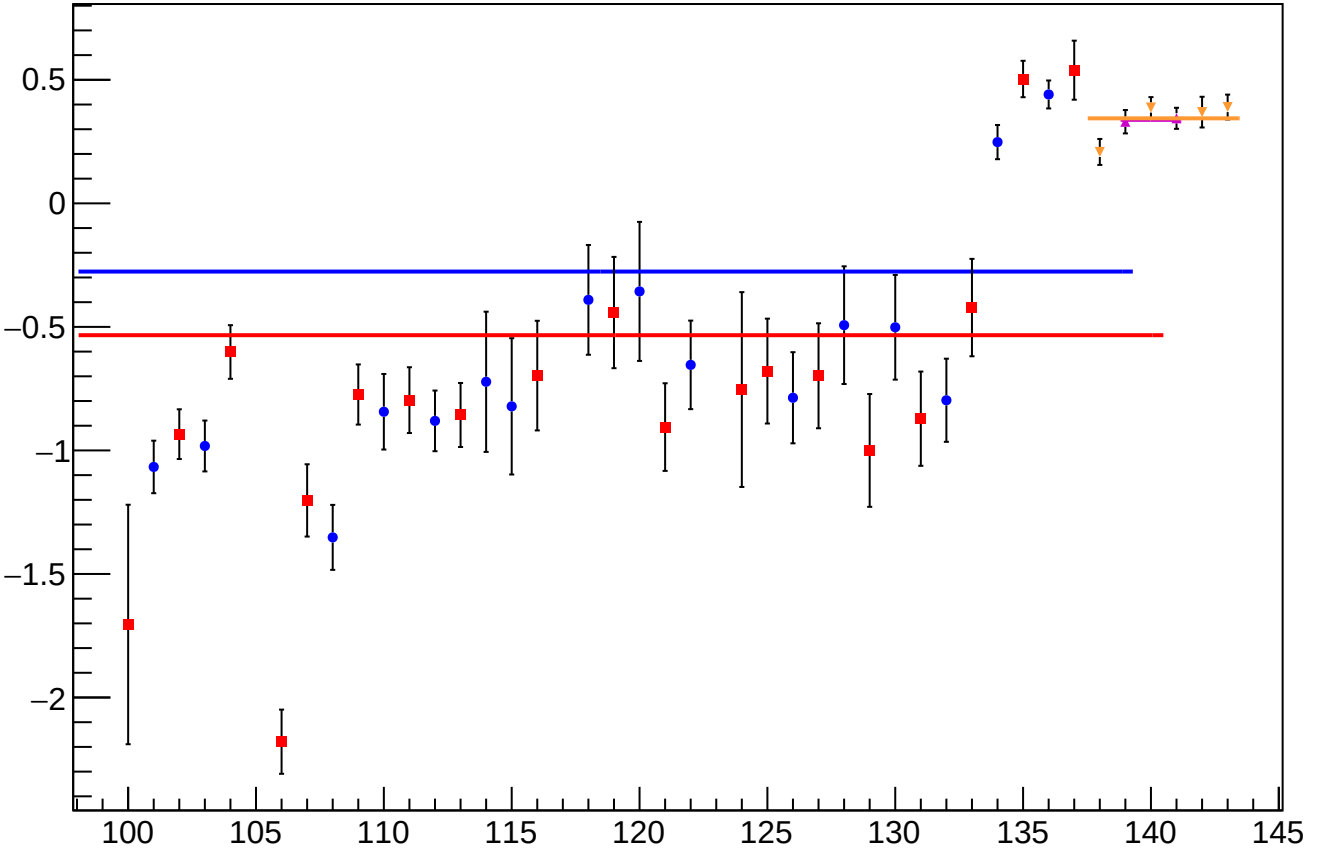
Left In: 22.392+/-0.816 χ^2/NDF:5.1/1

+ sign 22.905+/-0.390 χ^2/NDF: 907.9/19

All: 23.509+/-0.302 χ^2/NDF: 1283.0/40

- sign 24.417+/-0.478 χ^2/NDF: 369.1/20

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.344+/-0.025 χ^2/NDF:8.8/3

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

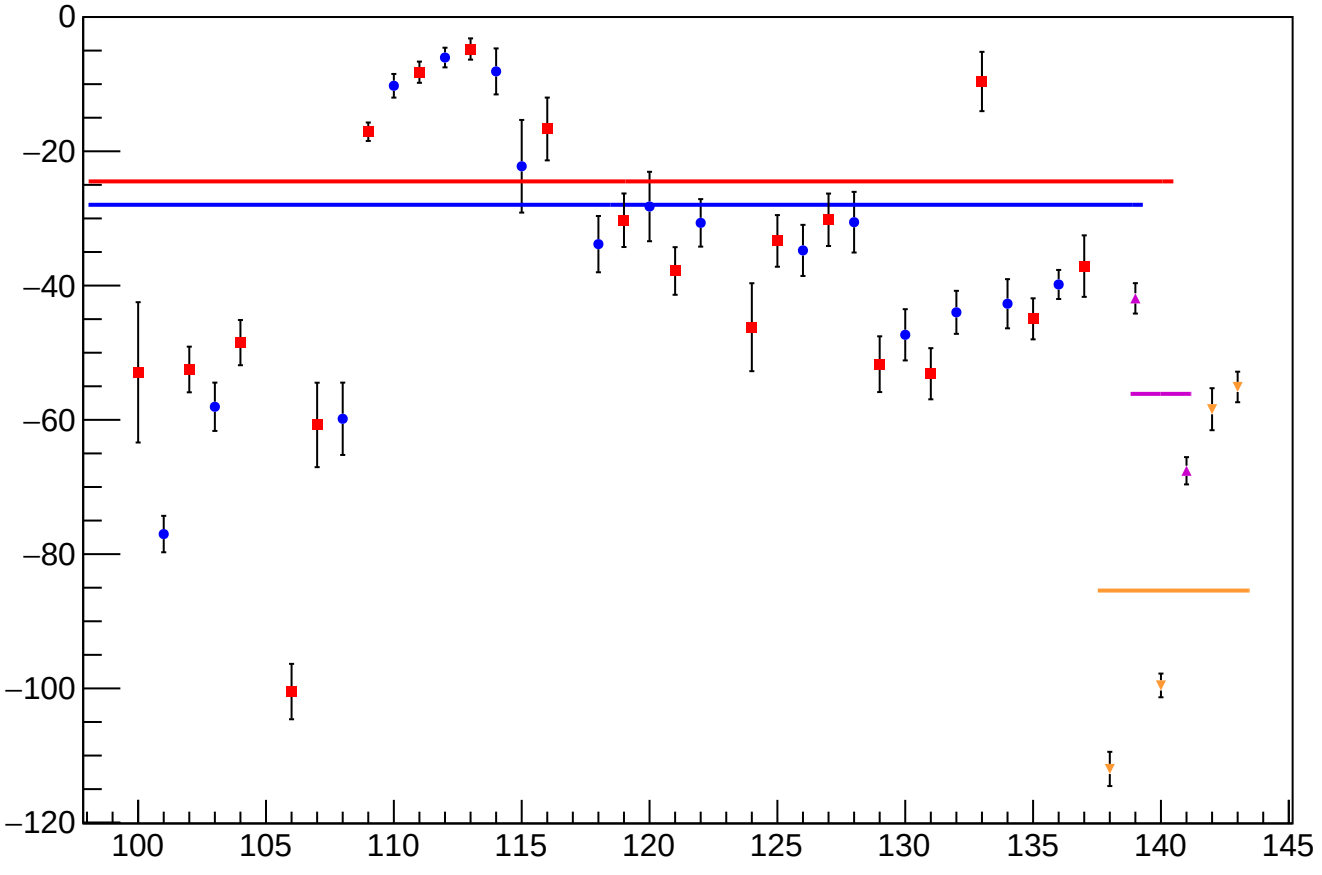
Left In: 0.338+/-0.032 χ^2/NDF:0.0/1

+ sign 0.094+/-0.019 χ^2/NDF: 709.0/19

All: 0.020+/-0.015 χ^2/NDF: 1619.0/40

- sign -0.081+/-0.023 χ^2/NDF: 875.6/20

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -85.423+/-1.140 χ^2/NDF:424.9/3

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

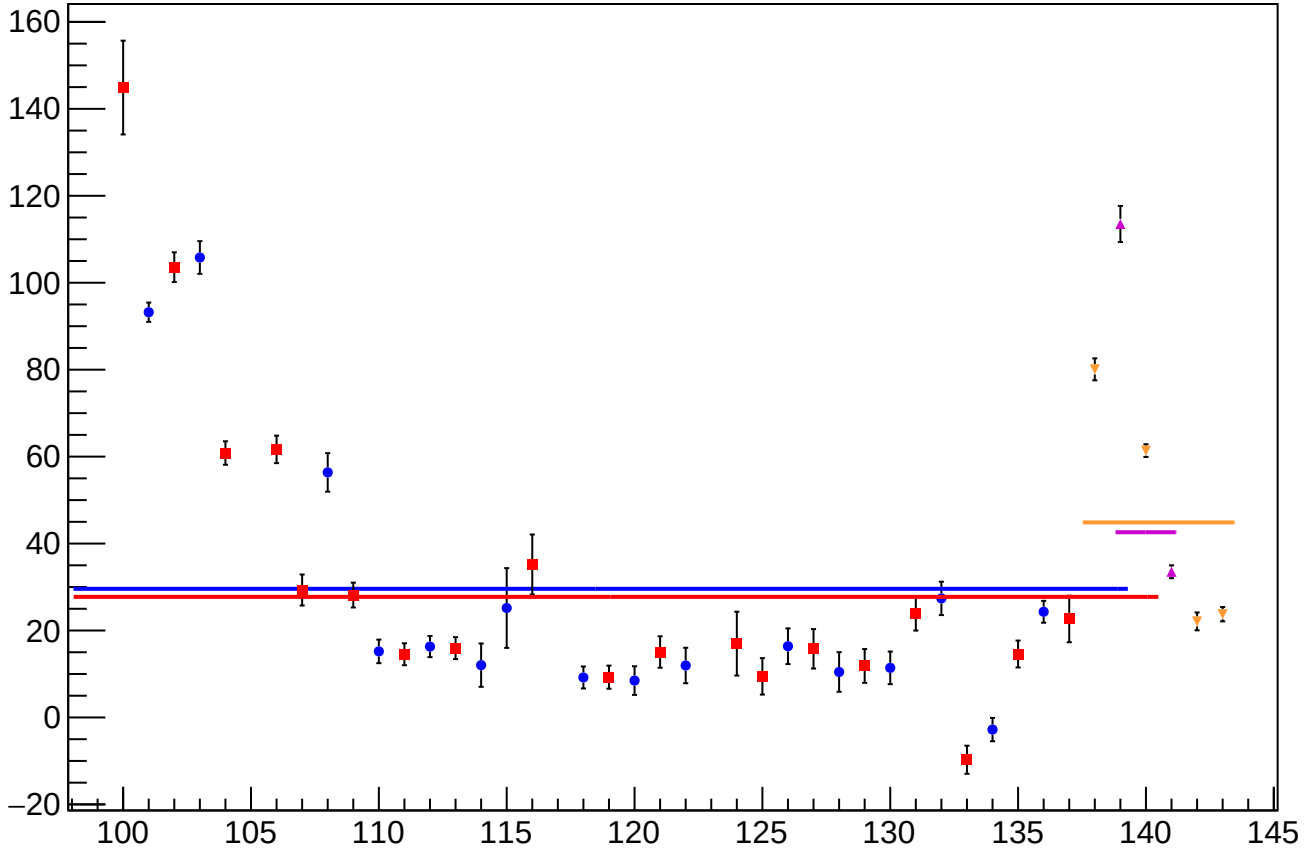
Left In: -56.128+/-1.512 χ^2/NDF:71.3/1

+ sign -44.605+/-0.613 χ^2/NDF: 3125.3/19

All: -37.019+/-0.431 χ^2/NDF: 4856.5/40

- sign -29.585+/-0.607 χ^2/NDF: 1428.3/20

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 44.872+/-0.902 χ^2/NDF:608.7/3

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

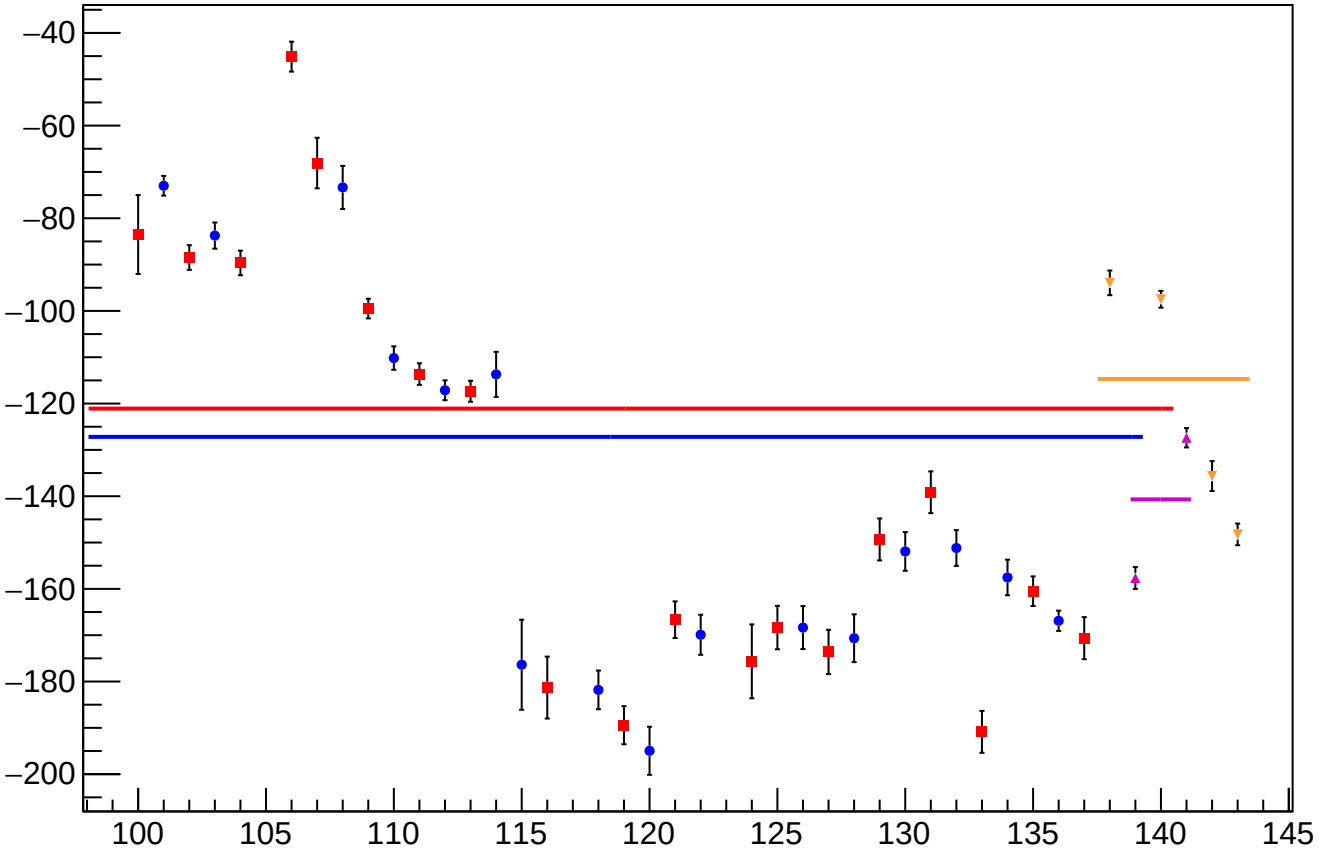
Left In: 42.608+/-1.397 χ^2/NDF:330.5/1

+ sign 36.385+/-0.602 χ^2/NDF: 2433.7/19

All: 34.235+/-0.454 χ^2/NDF: 4064.4/40

- sign 31.388+/-0.692 χ^2/NDF: 1601.1/20

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -114.687+/-1.176 χ^2/NDF:398.5/3

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

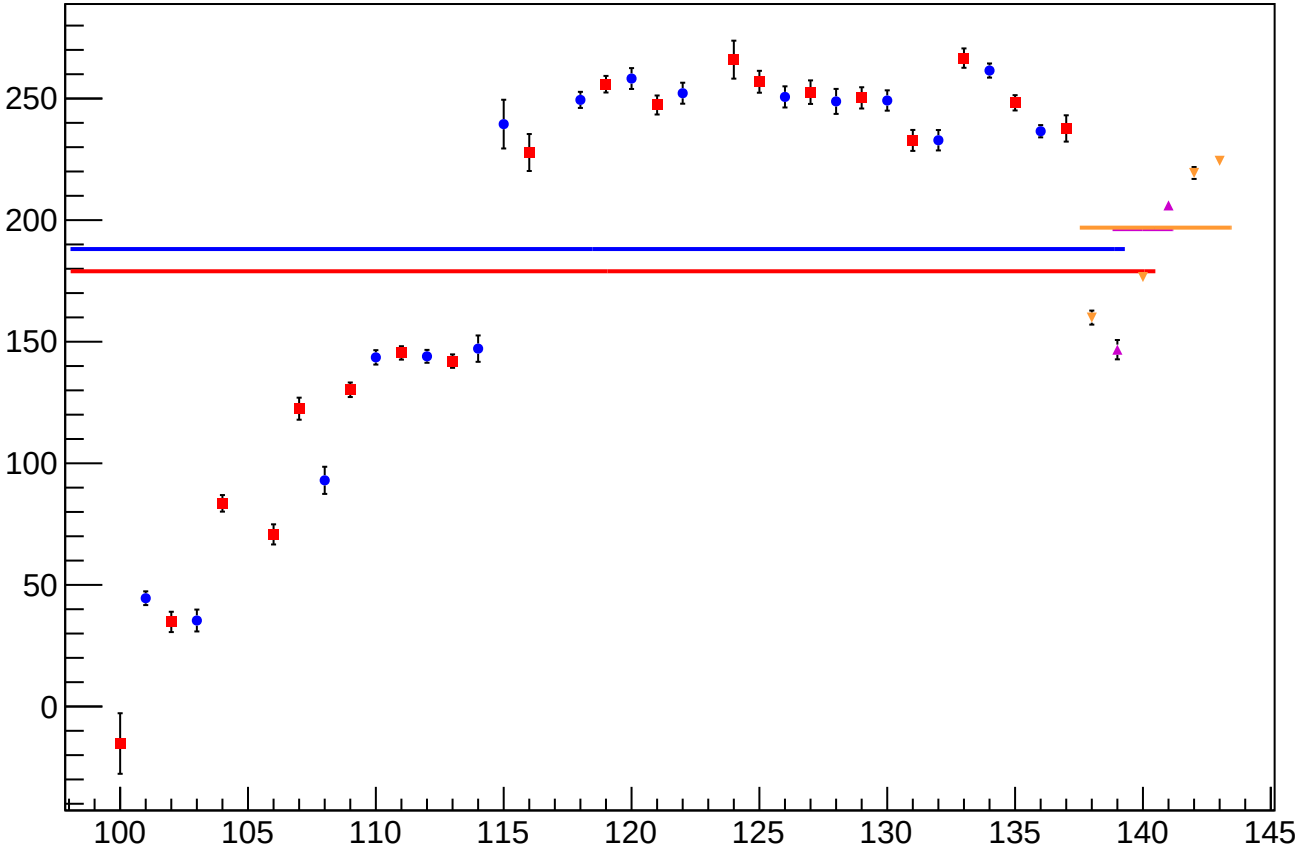
Left In: -140.683+/-1.561 χ^2/NDF:92.6/1

+ sign -123.036+/-0.678 χ^2/NDF: 2652.1/19

All: -124.041+/-0.490 χ^2/NDF: 5271.7/40

- sign -125.145+/-0.710 χ^2/NDF: 2614.9/20

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 196.910+/-1.071 χ^2/NDF:580.1/3

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

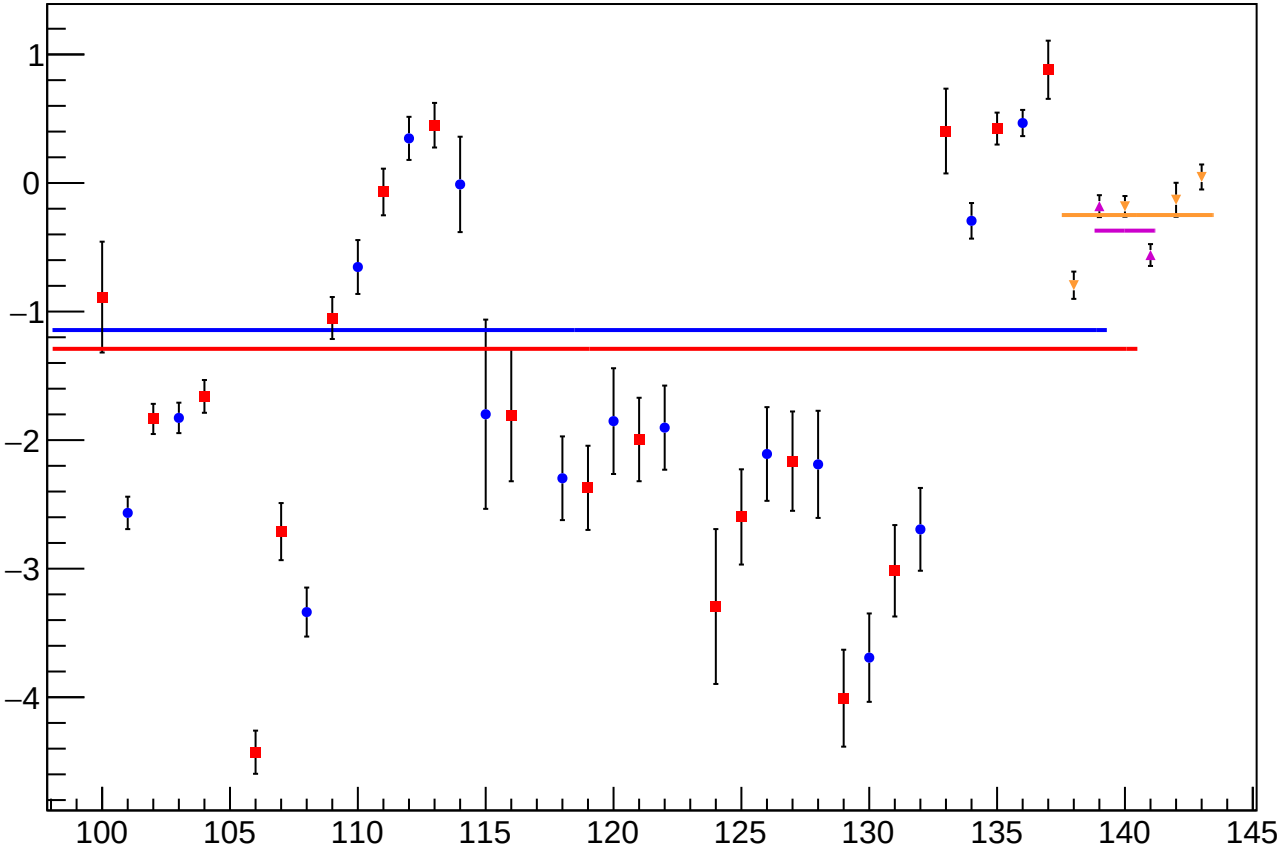
Left In: 196.296+/-1.613 χ^2/NDF:185.8/1

\+ sign 191.835+/-0.697 χ^2/NDF: 7737.7/19

All: 188.035+/-0.523 χ^2/NDF: 14747.8/40

\- sign 183.139+/-0.791 χ^2/NDF: 6942.2/20

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.249+/-0.050 χ^2/NDF:37.3/3

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

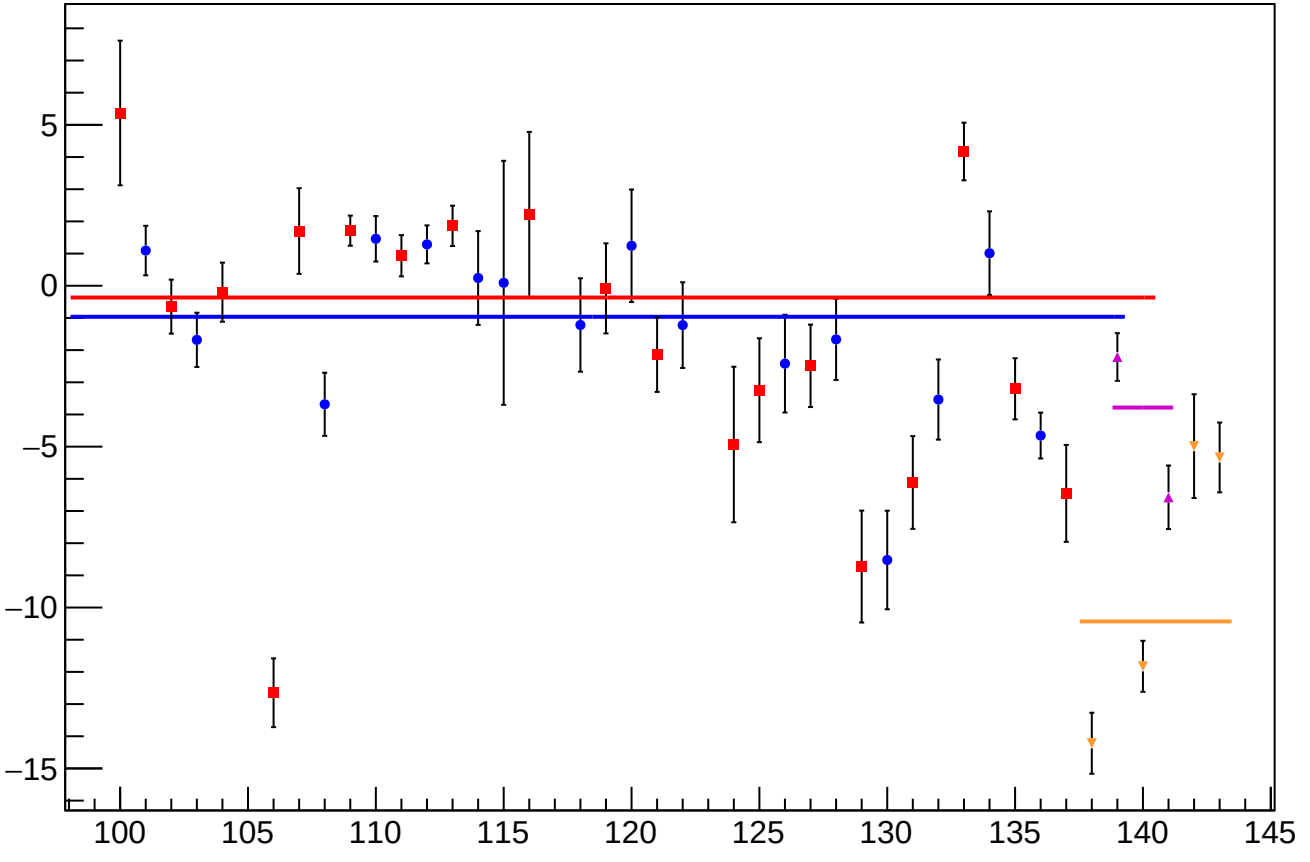
Left In: -0.371+/-0.060 χ^2/NDF:10.0/1

+ sign -0.711+/-0.034 χ^2/NDF: 992.8/19

All: -0.816+/-0.025 χ^2/NDF: 2164.7/40

- sign -0.938+/-0.037 χ^2/NDF: 1152.0/20

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -10.431+/-0.504 χ^2/NDF:52.5/3

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

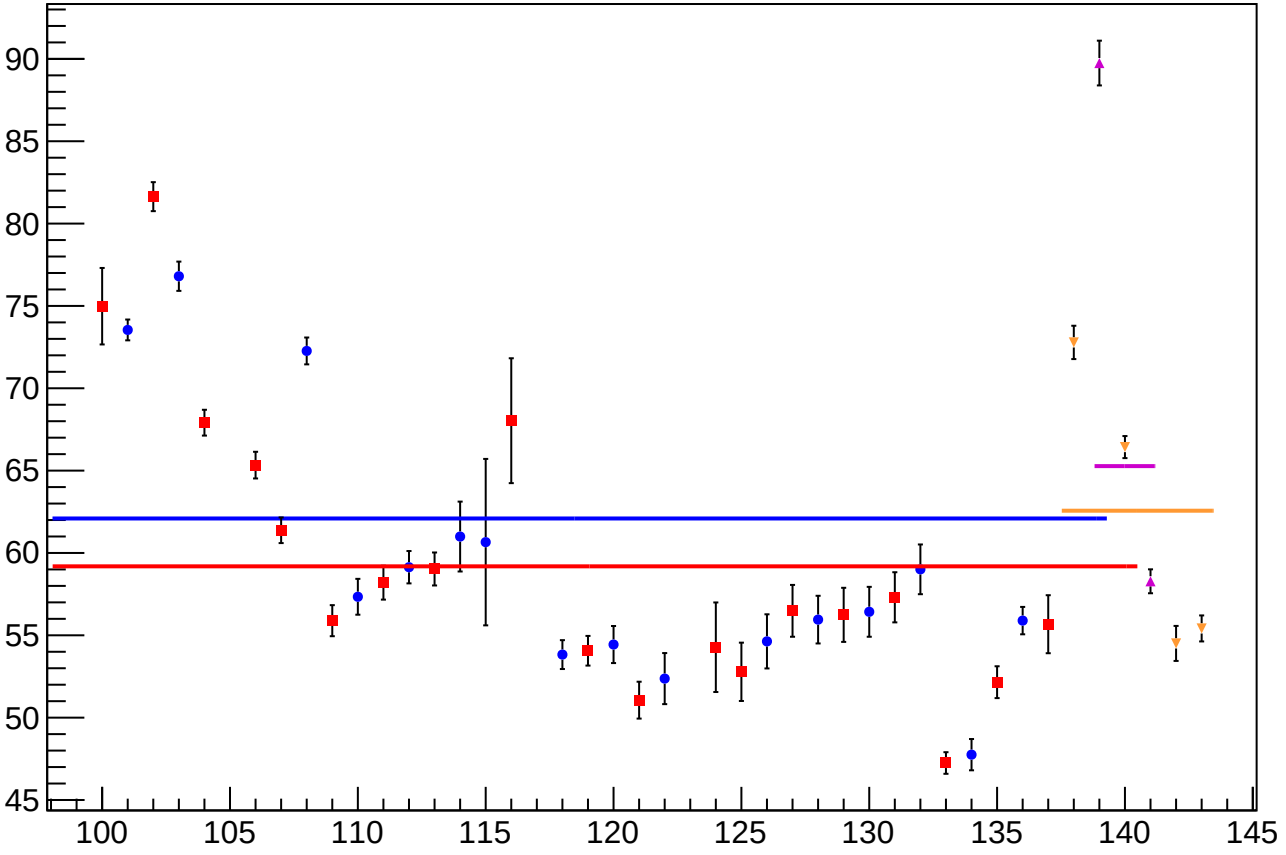
Left In: -3.785+/-0.593 χ^2/NDF:12.5/1

+ sign -2.871+/-0.226 χ^2/NDF: 437.3/19

All: -1.751+/-0.154 χ^2/NDF: 805.0/40

- sign -0.792+/-0.209 χ^2/NDF: 322.2/20

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 62.565+/-0.419 χ^2/NDF:274.7/3

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

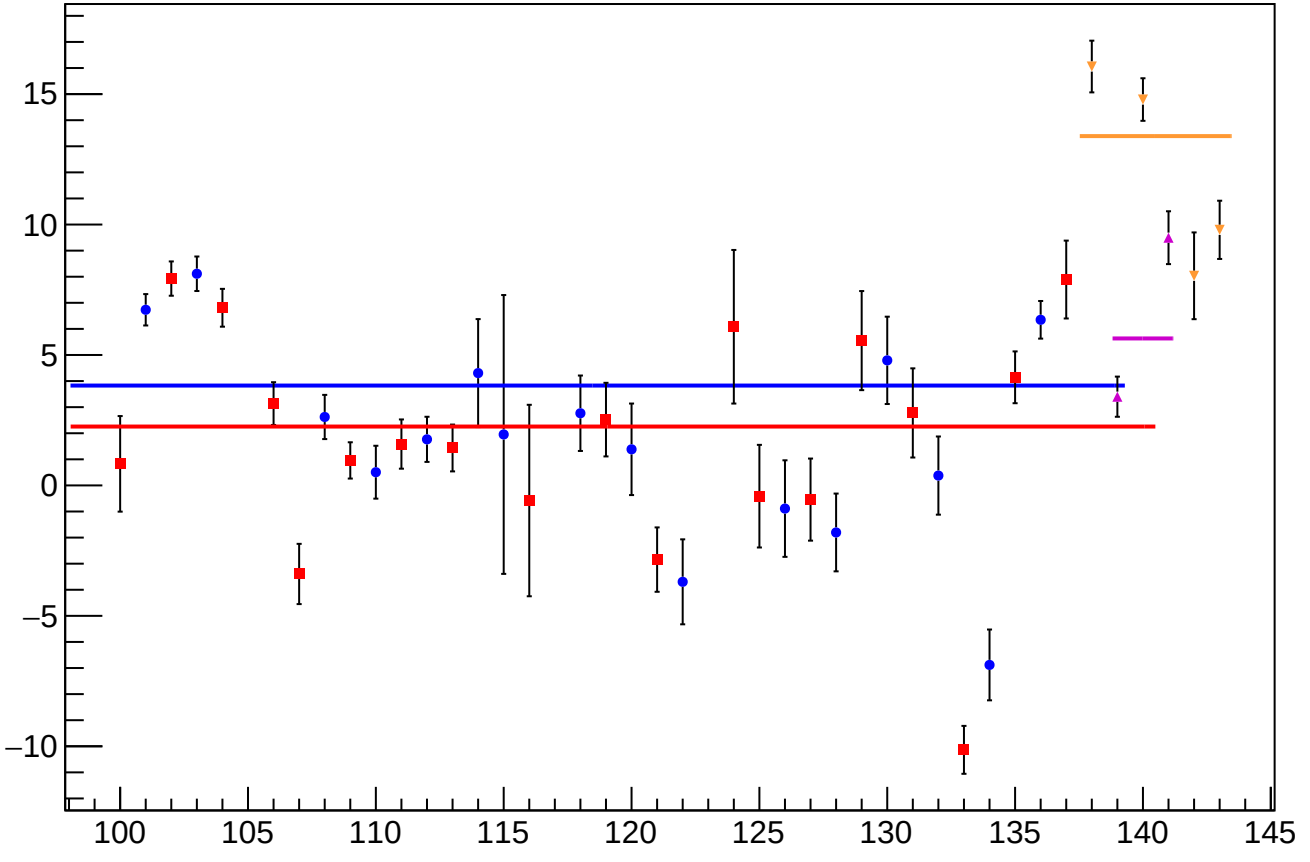
Left In: 65.273+/-0.641 χ^2/NDF:417.0/1

+ sign 62.229+/-0.224 χ^2/NDF: 1576.9/19

All: 61.111+/-0.160 χ^2/NDF: 3525.3/40

- sign 59.957+/-0.228 χ^2/NDF: 1897.9/20

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 13.390+/-0.521 χ^2/NDF:30.9/3

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

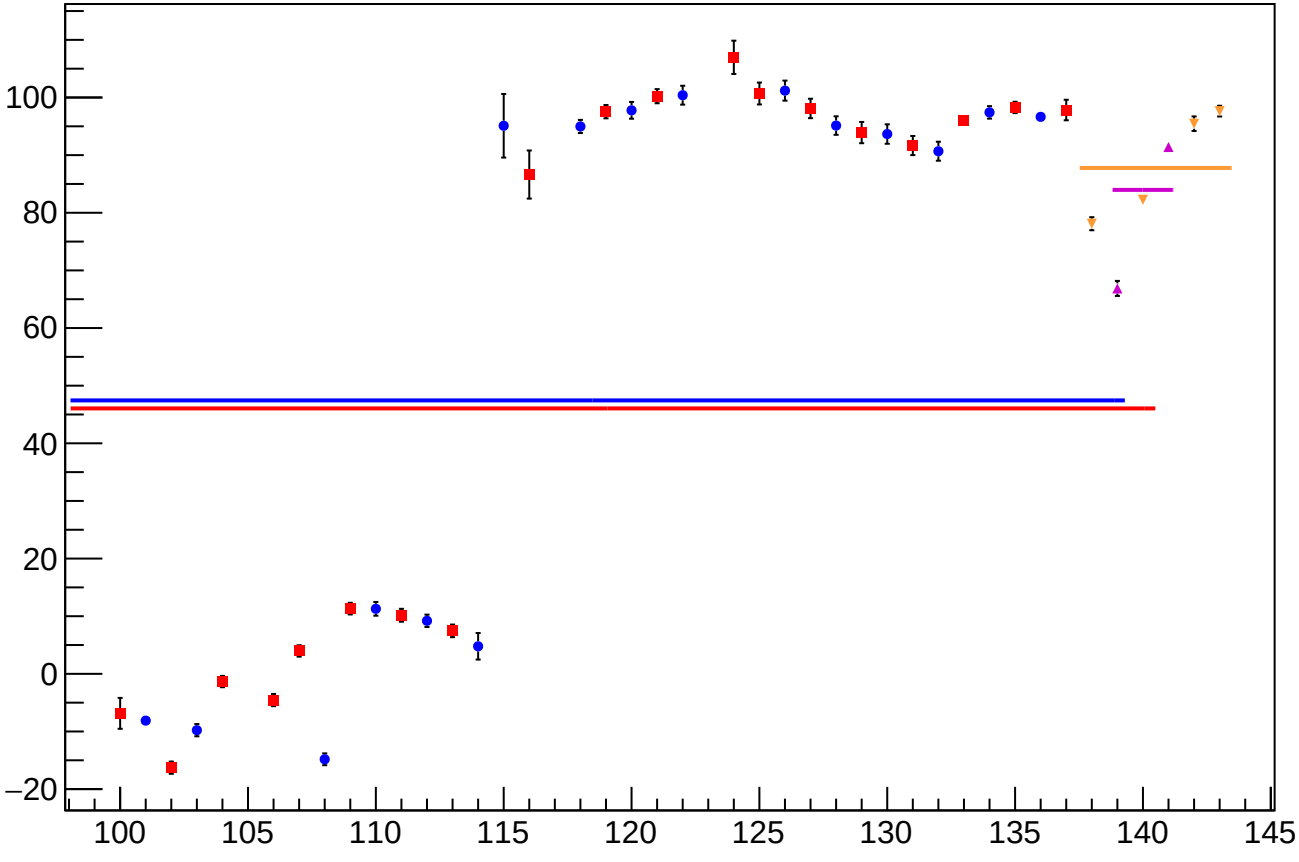
Left In: 5.634+/-0.613 χ^2/NDF:23.0/1

+ sign 5.797+/-0.236 χ^2/NDF: 507.1/19

All: 4.211+/-0.164 χ^2/NDF: 1015.3/40

- sign 2.727+/-0.229 χ^2/NDF: 421.0/20

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 87.778+/-0.493 χ^2/NDF:269.2/3

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

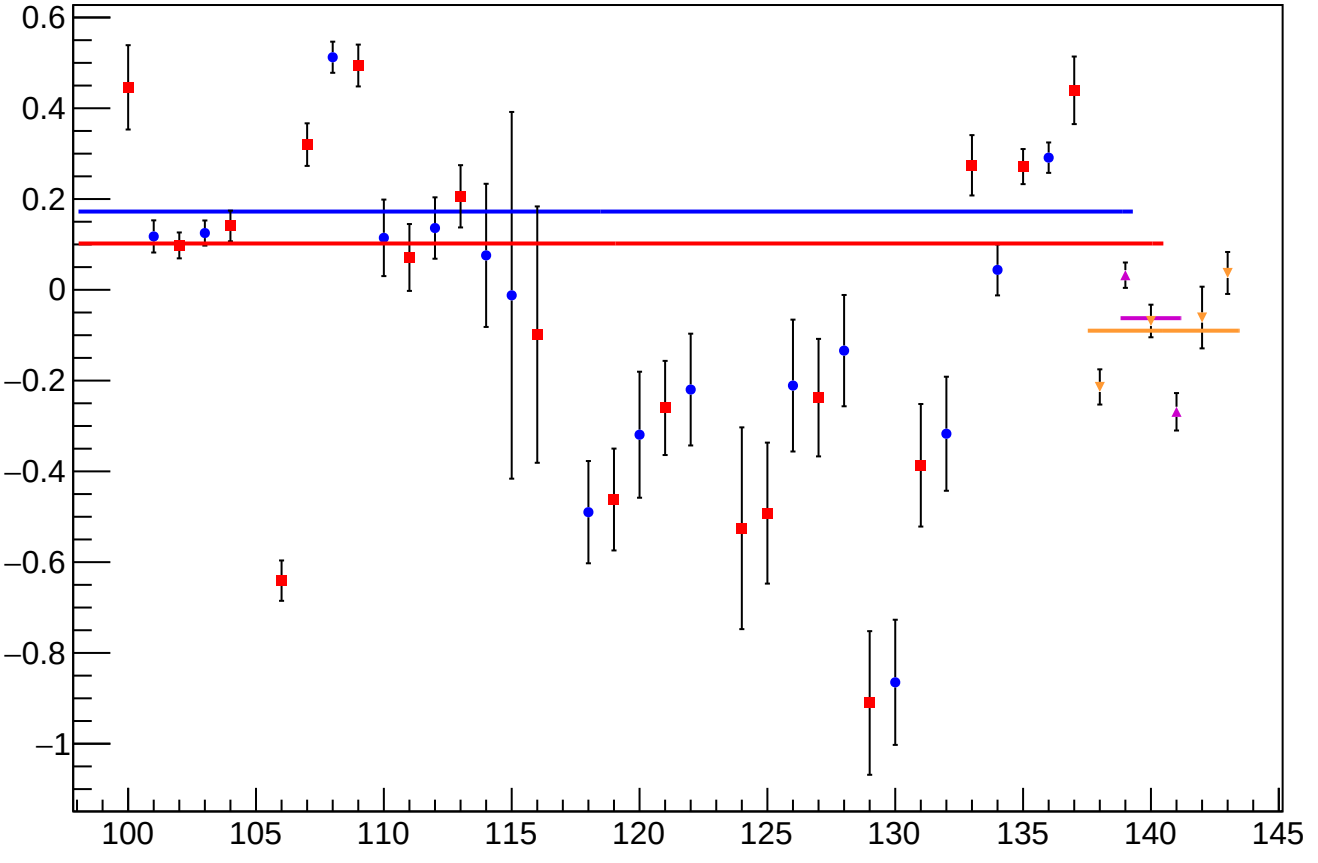
Left In: 83.969+/-0.719 χ^2/NDF:246.2/1

+ sign 58.757+/-0.261 χ^2/NDF: 31965.0/19

All: 55.017+/-0.186 χ^2/NDF: 63928.8/40

- sign 51.184+/-0.264 χ^2/NDF: 31548.9/20

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.090+/-0.022 χ^2/NDF:18.3/3

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

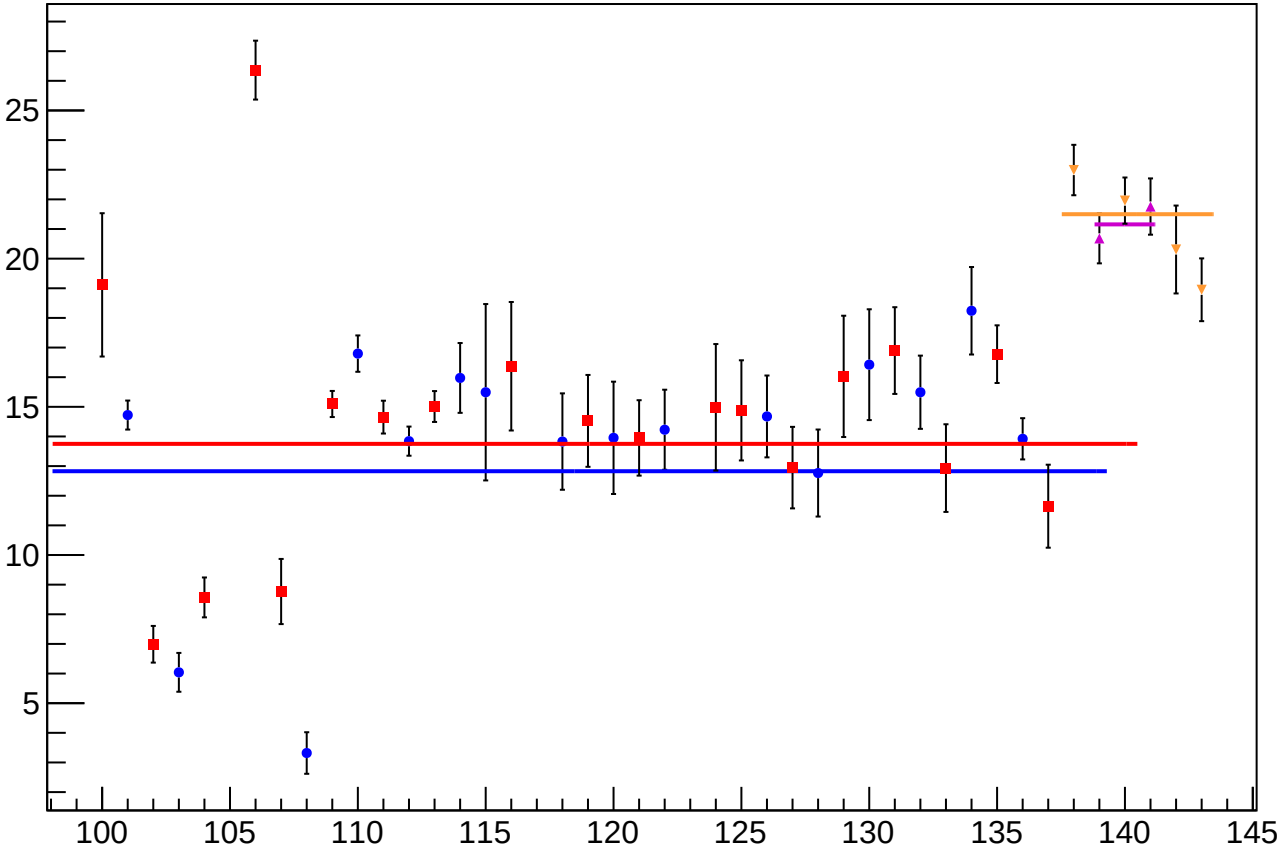
Left In: -0.062+/-0.023 χ^2/NDF:36.5/1

+ sign 0.094+/-0.012 χ^2/NDF: 386.0/19

All: 0.077+/-0.008 χ^2/NDF: 1023.0/40

- sign 0.061+/-0.012 χ^2/NDF: 633.0/20

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.499+/-0.478 χ^2/NDF:9.9/3

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

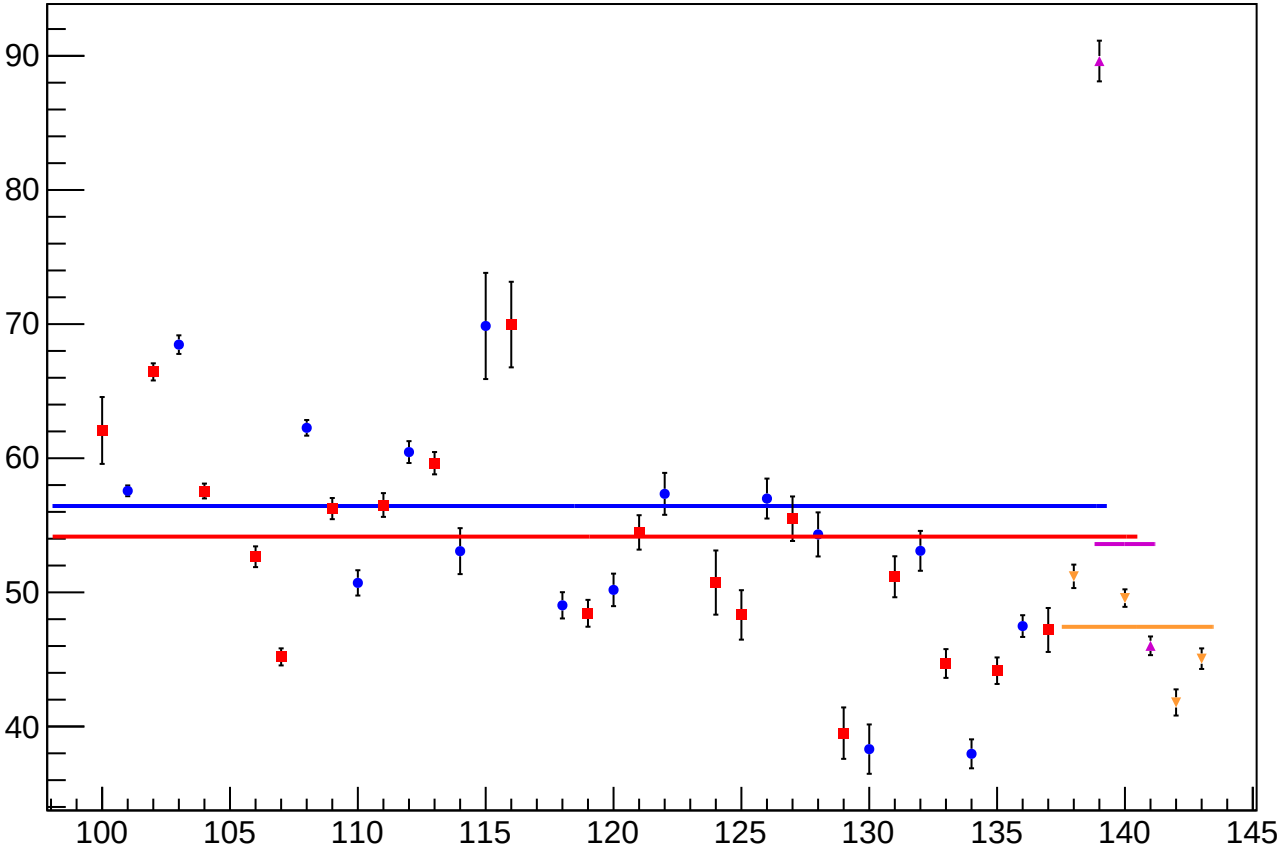
Left In: 21.156+/-0.630 χ^2/NDF:0.7/1

\+ sign 14.275+/-0.195 χ^2/NDF: 671.8/19

All: 14.365+/-0.138 χ^2/NDF: 1202.0/40

\- sign 14.454+/-0.194 χ^2/NDF: 529.8/20

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 47.431+/-0.395 χ^2/NDF:72.3/3

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

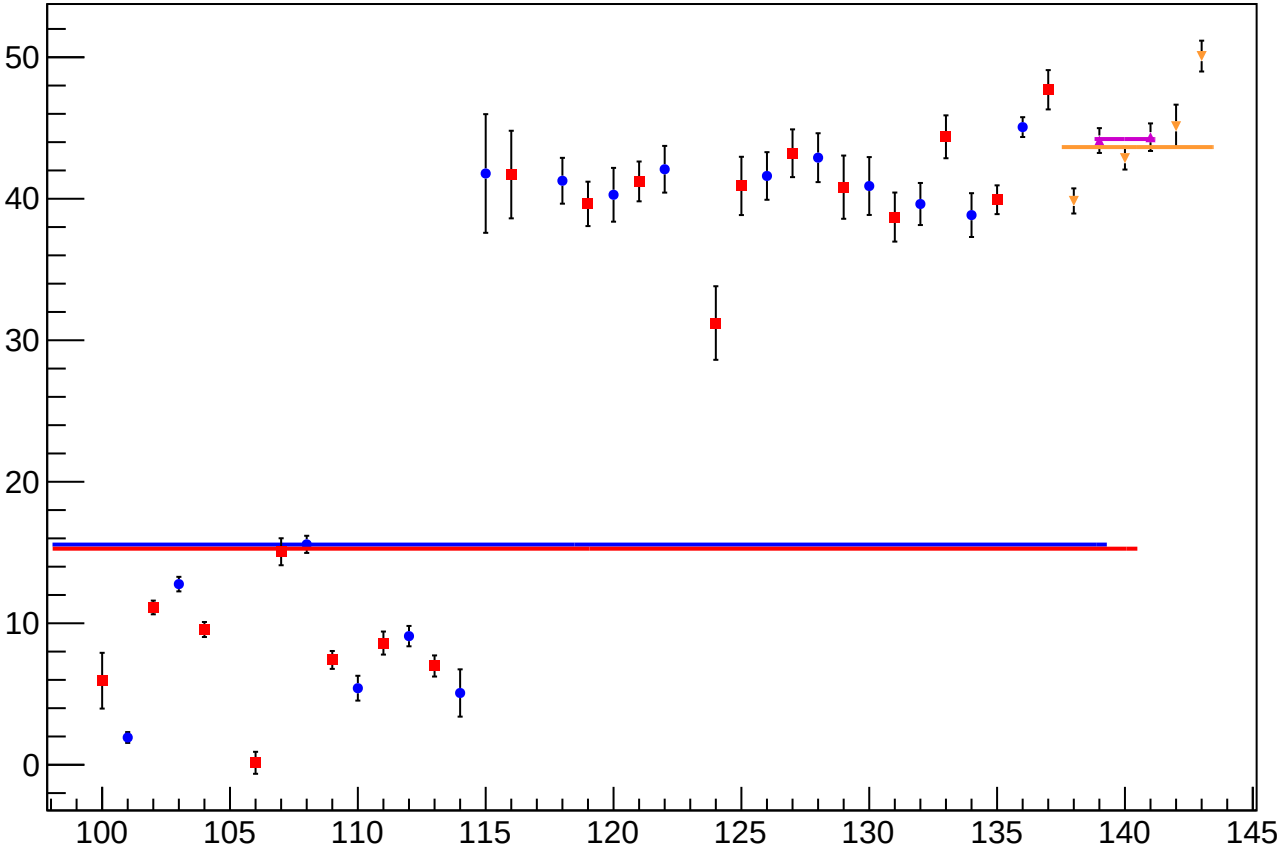
Left In: 53.602+/-0.633 χ^2/NDF:682.2/1

+ sign 54.280+/-0.193 χ^2/NDF: 1555.4/19

All: 54.195+/-0.143 χ^2/NDF: 3245.3/40

- sign 54.094+/-0.212 χ^2/NDF: 1689.5/20

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 43.651+/-0.494 χ^2/NDF:55.1/3

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

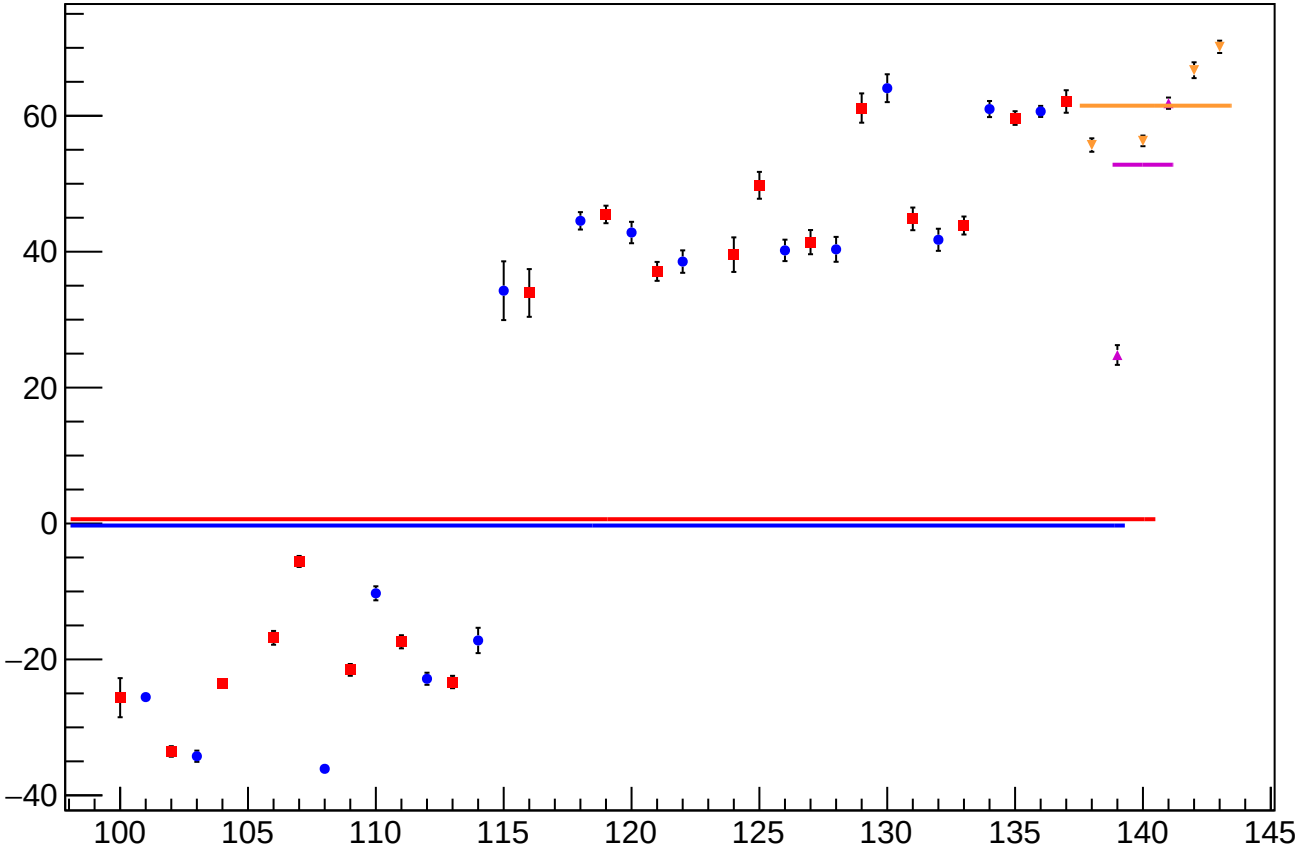
Left In: 44.220+/-0.652 χ^2/NDF:0.0/1

+ sign 19.995+/-0.196 χ^2/NDF: 7951.2/19

All: 19.153+/-0.143 χ^2/NDF: 13634.9/40

- sign 18.211+/-0.208 χ^2/NDF: 5644.7/20

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 61.489+/-0.466 χ^2/NDF:189.1/3

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

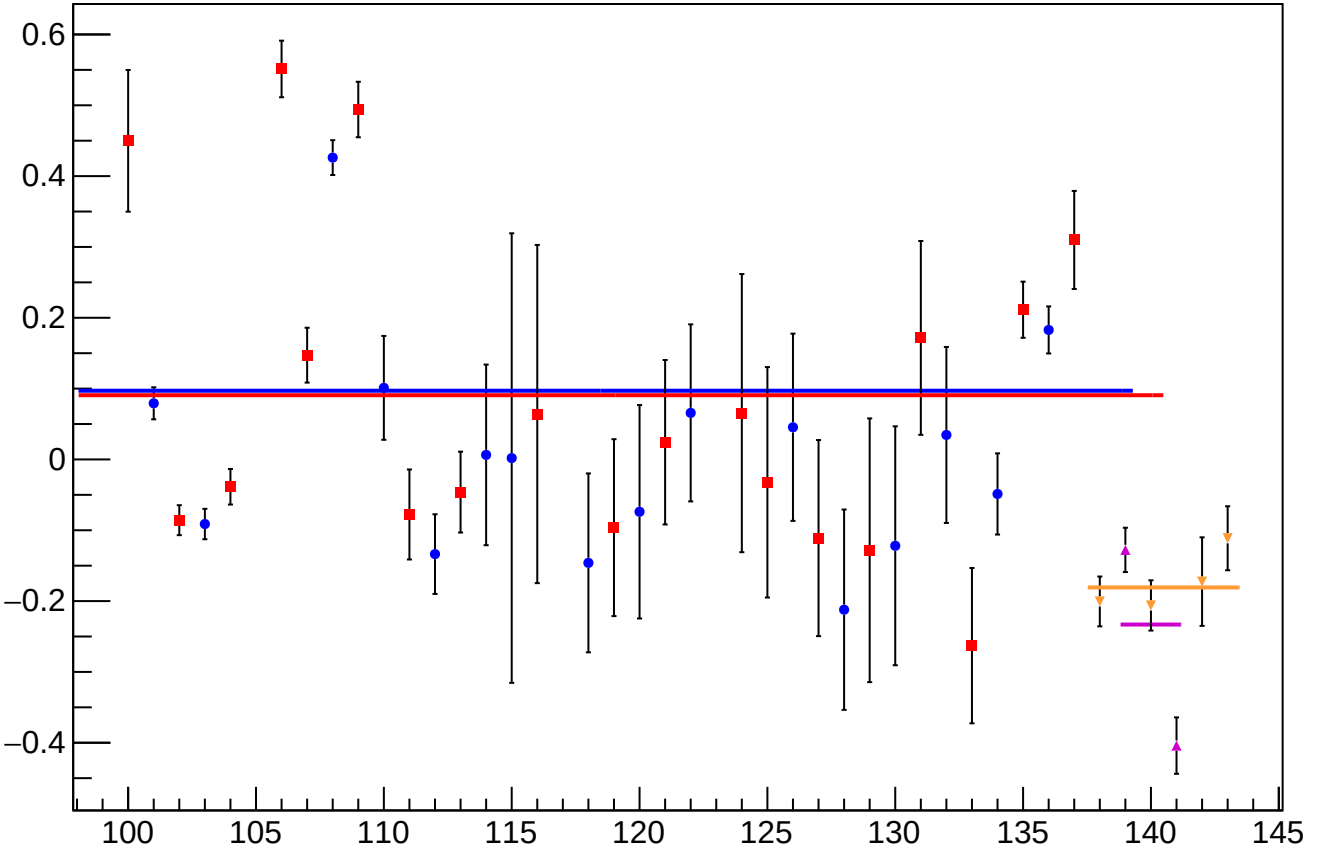
Left In: 52.800+/-0.719 χ^2/NDF:490.2/1

+ sign 14.488+/-0.228 χ^2/NDF: 34588.2/19

All: 10.964+/-0.168 χ^2/NDF: 56264.9/40

- sign 6.811+/-0.248 χ^2/NDF: 21156.2/20

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.181+/-0.021 χ^2/NDF:3.2/3

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

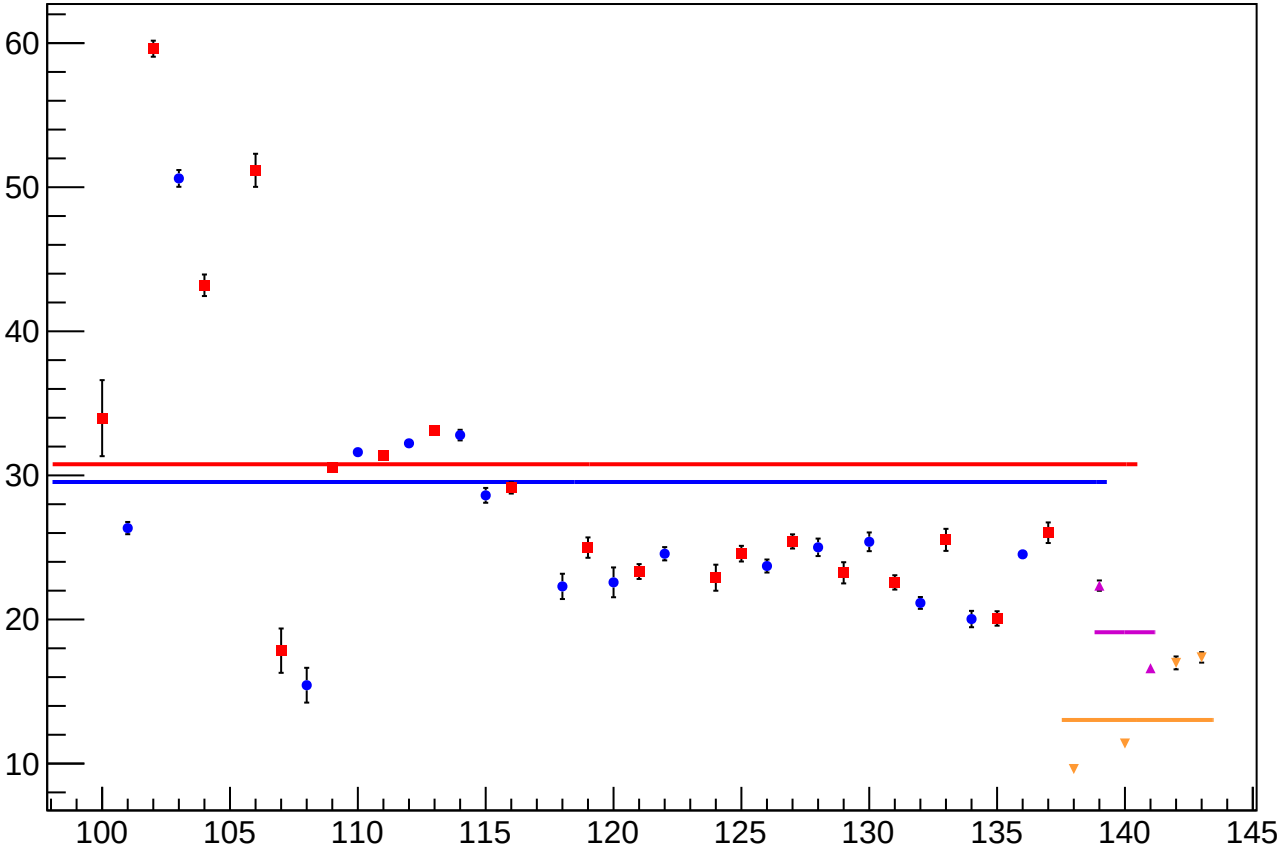
Left In: -0.233+/-0.025 χ^2/NDF:29.8/1

+ sign 0.034+/-0.010 χ^2/NDF: 442.2/19

All: 0.034+/-0.007 χ^2/NDF: 1014.2/40

- sign 0.033+/-0.010 χ^2/NDF: 572.0/20

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.027+/-0.169 χ^2/NDF:363.0/3

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

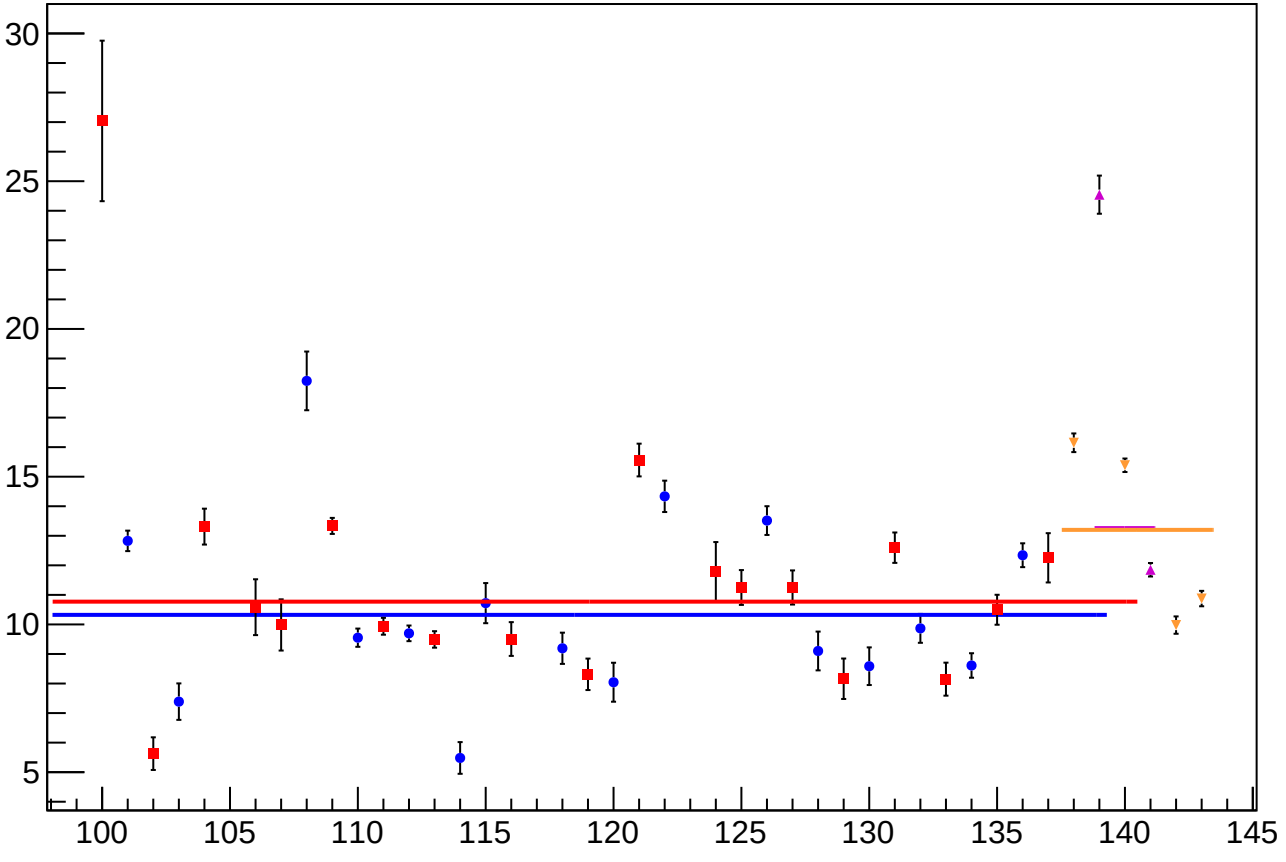
Left In: 19.115+/-0.236 χ^2/NDF:145.3/1

+ sign 25.785+/-0.081 χ^2/NDF: 11072.8/19

All: 27.794+/-0.055 χ^2/NDF: 19652.5/40

- sign 29.566+/-0.076 χ^2/NDF: 7416.6/20

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 13.200+/-0.134 χ^2/NDF:378.6/3

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

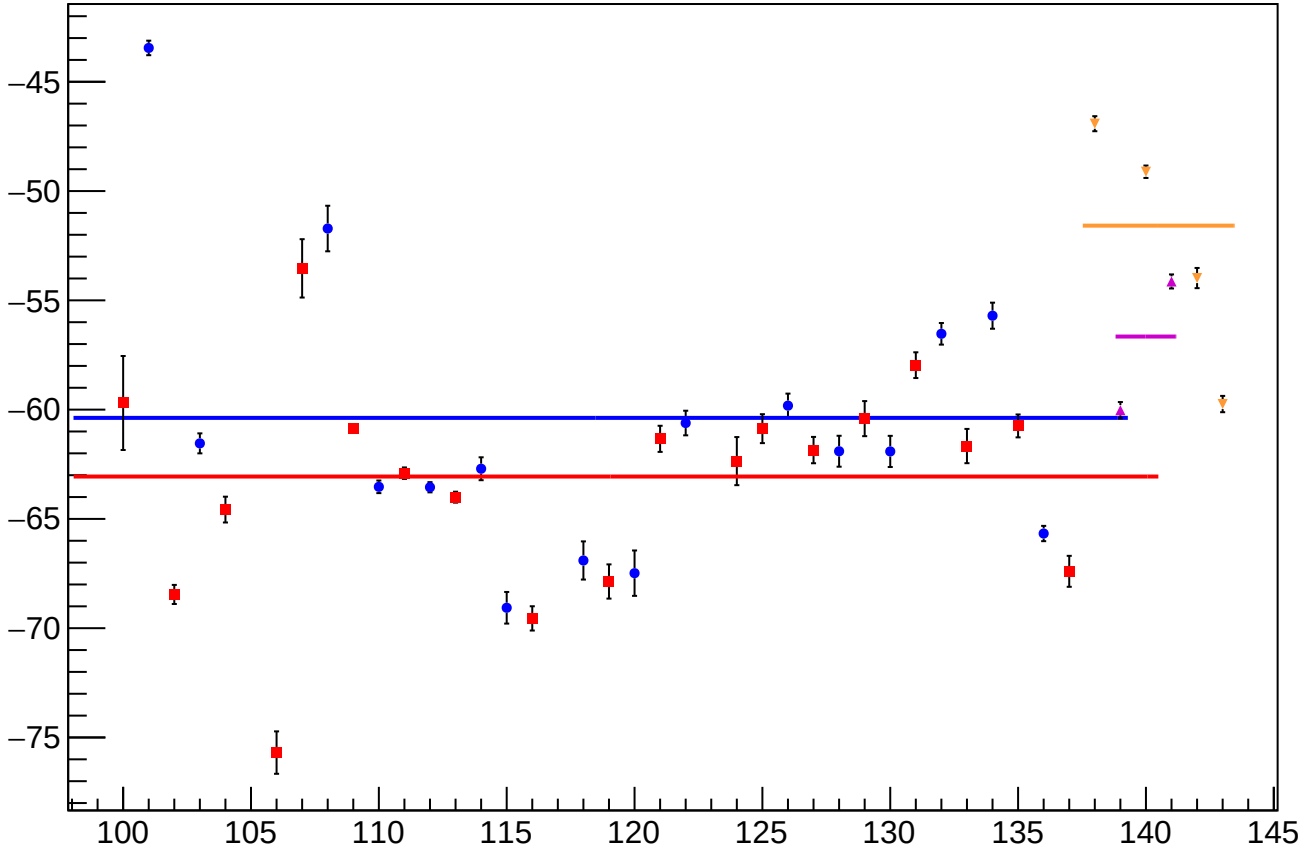
Left In: 13.260+/-0.215 χ^2/NDF:343.7/1

+ sign 11.529+/-0.087 χ^2/NDF: 1048.1/19

All: 11.434+/-0.066 χ^2/NDF: 1915.4/40

- sign 11.308+/-0.100 χ^2/NDF: 864.5/20

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -51.582+/-0.175 χ^2/NDF:764.6/3

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

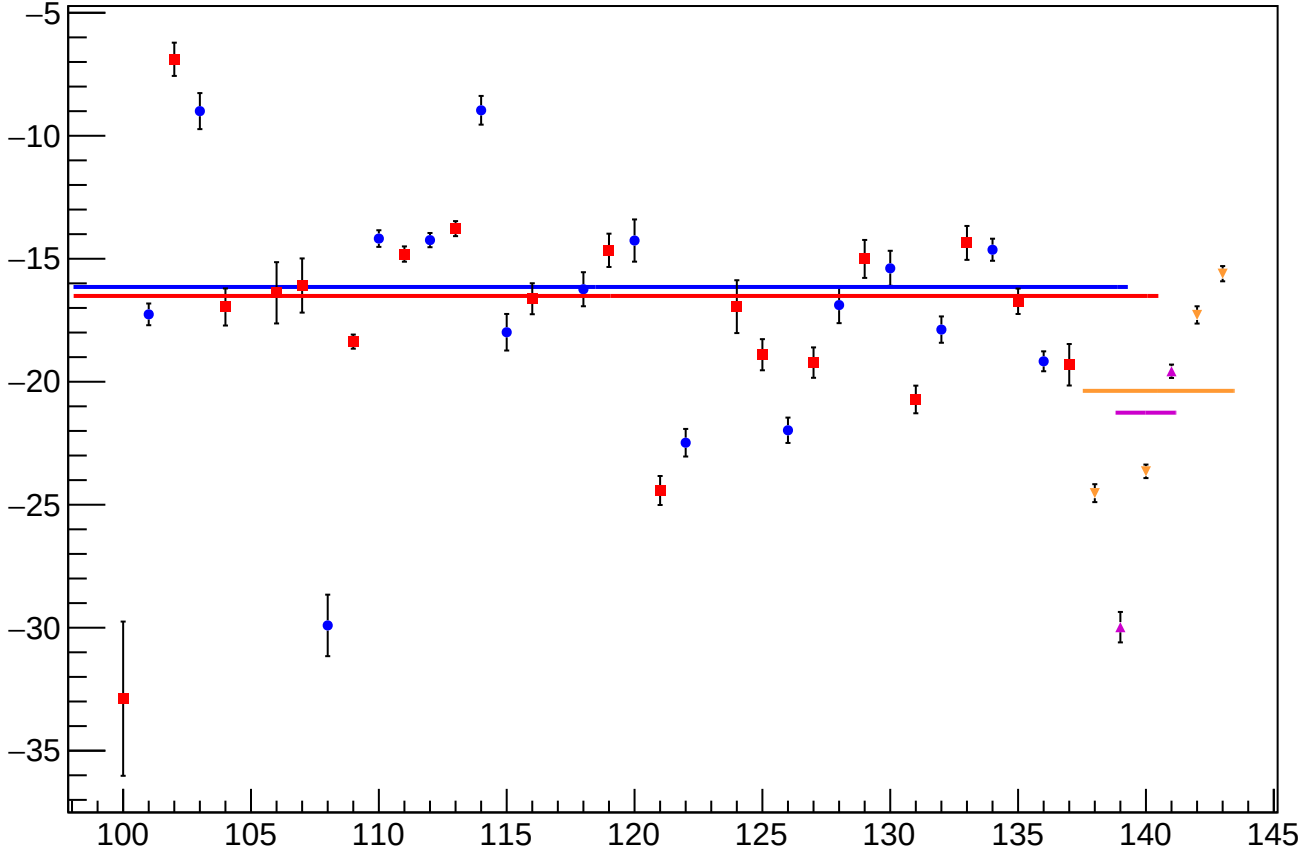
Left In: -56.656+/-0.244 χ^2/NDF:143.2/1

+ sign -57.788+/-0.095 χ^2/NDF: 6145.4/19

All: -59.834+/-0.068 χ^2/NDF: 8672.8/40

- sign -62.021+/-0.098 χ^2/NDF: 1566.8/20

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -20.370+/-0.160 χ^2/NDF:585.5/3

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

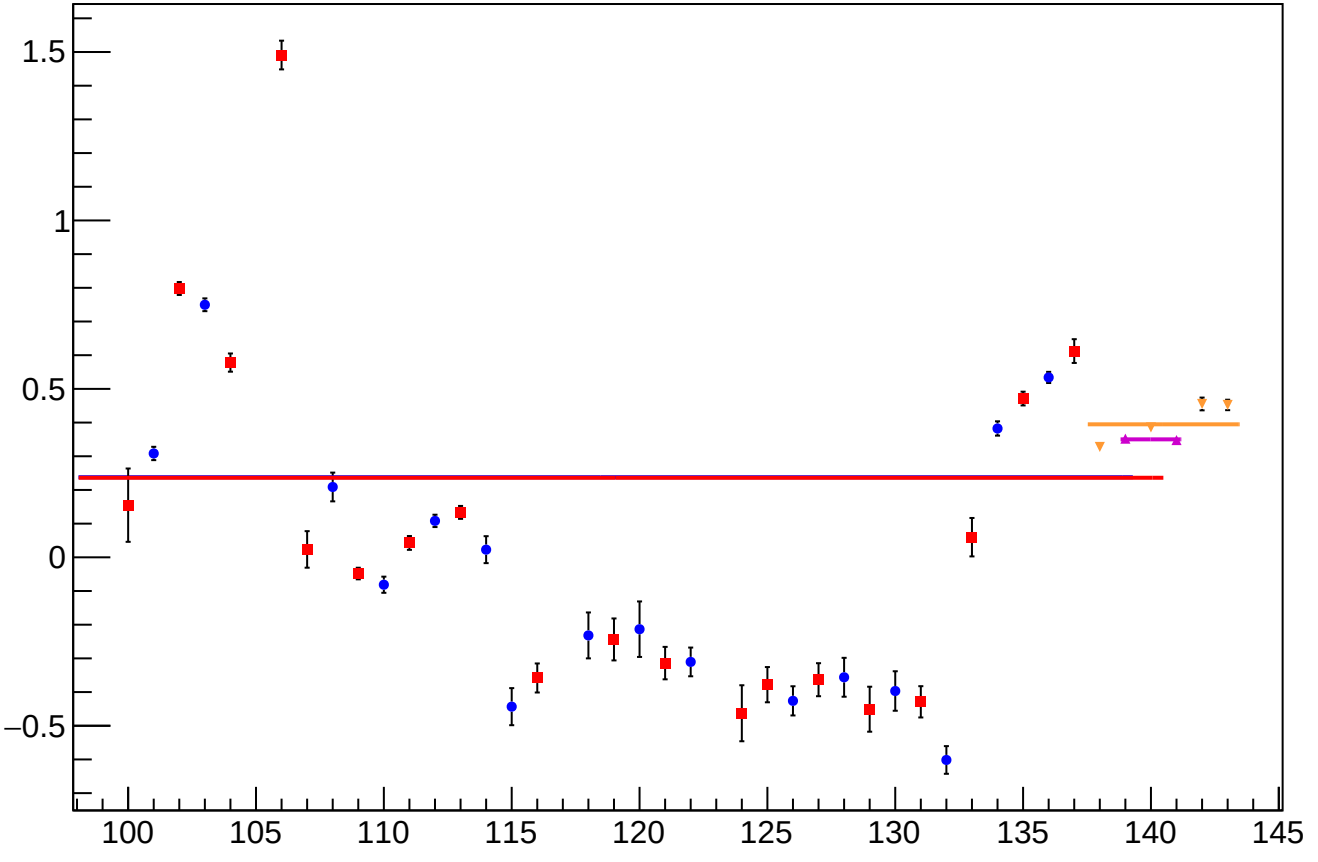
Left In: -21.258+/-0.249 χ^2/NDF:236.6/1

+ sign -17.788+/-0.099 χ^2/NDF: 1811.0/19

All: -17.643+/-0.074 χ^2/NDF: 3027.4/40

- sign -17.462+/-0.111 χ^2/NDF: 1211.6/20

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.395+/-0.007 χ^2/NDF:47.9/3

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

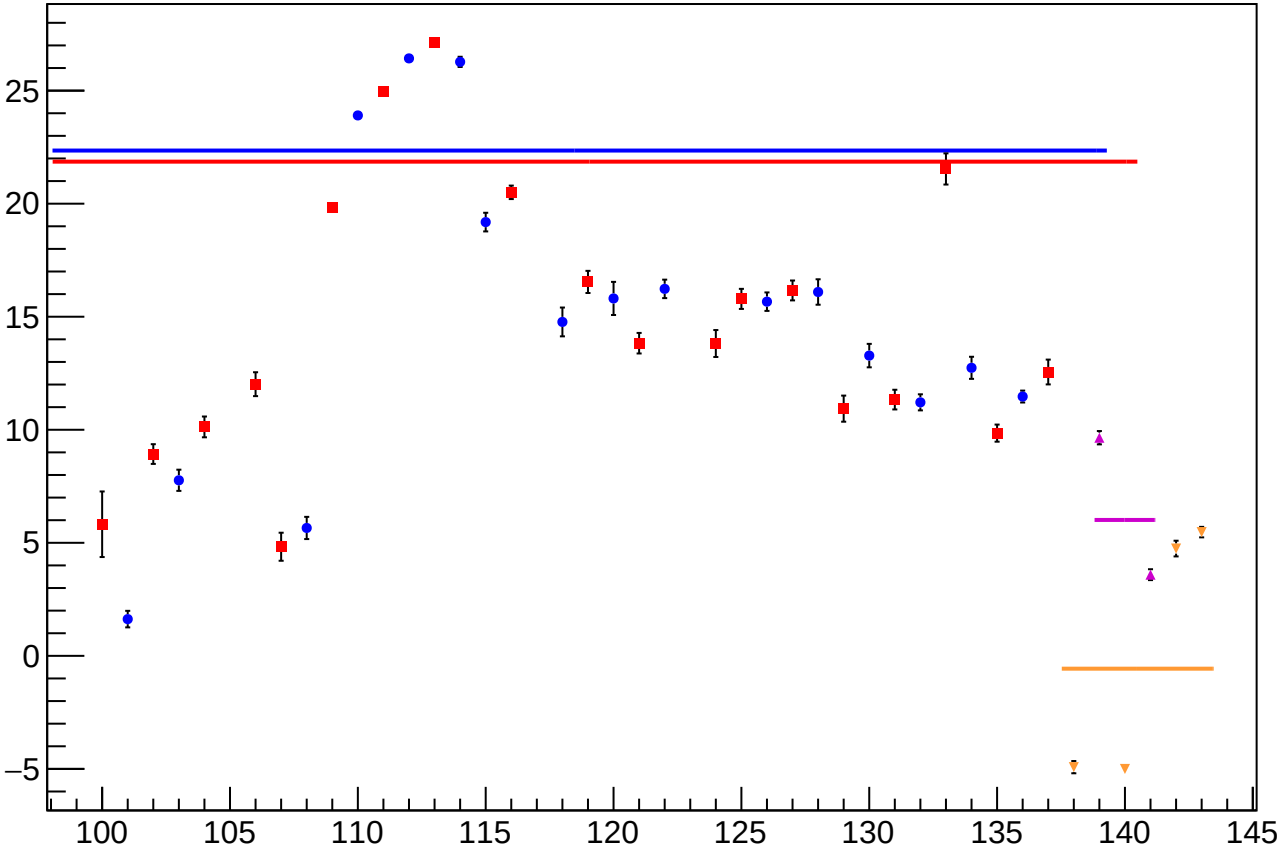
Left In: 0.350+/-0.009 χ^2/NDF:0.0/1

+ sign 0.313+/-0.005 χ^2/NDF: 2917.1/19

All: 0.297+/-0.004 χ^2/NDF: 6627.7/40

- sign 0.278+/-0.006 χ^2/NDF: 3689.3/20

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -0.568+/-0.127 χ^2/NDF:1599.4/3

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

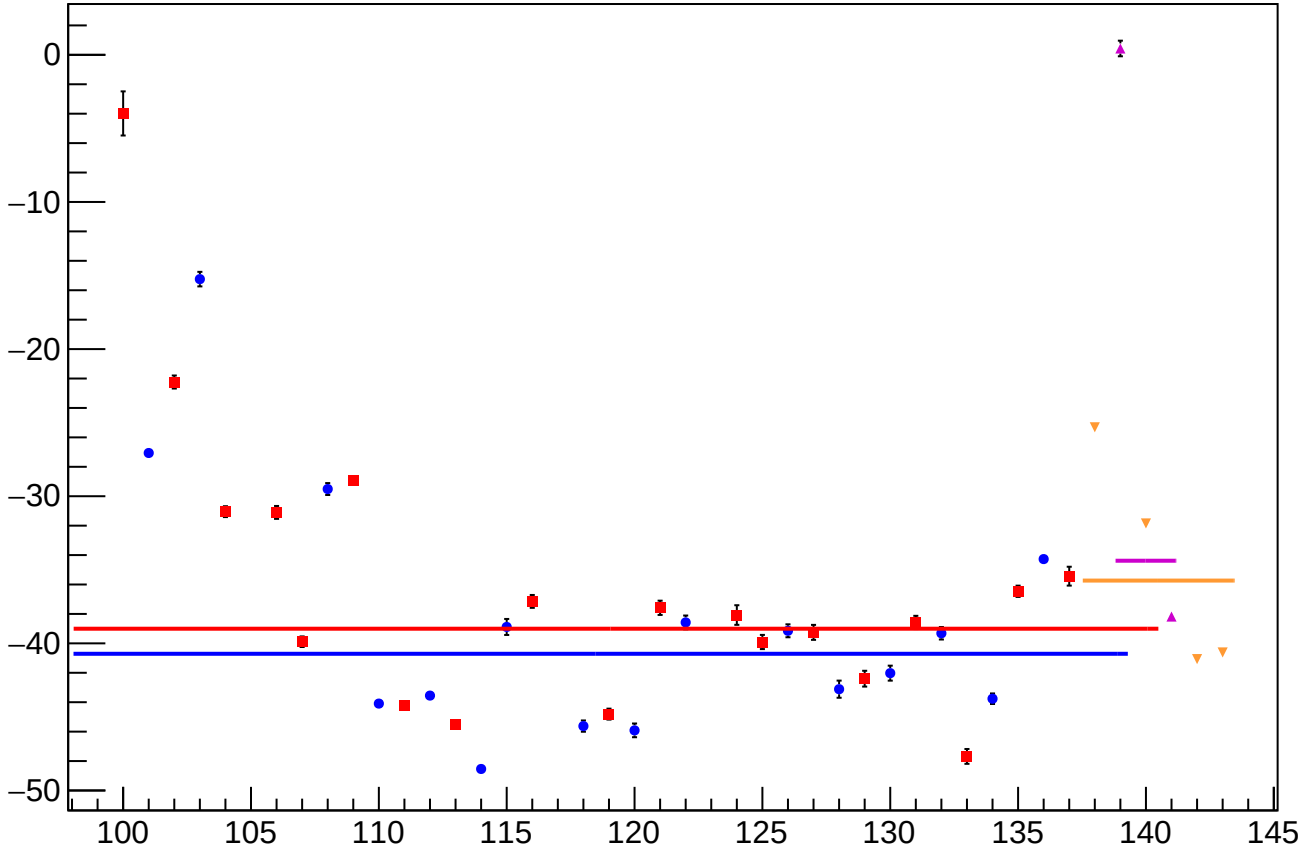
Left In: 6.011+/-0.186 χ^2/NDF:253.4/1

+ sign 18.542+/-0.052 χ^2/NDF: 41224.5/19

All: 19.906+/-0.034 χ^2/NDF: 60204.6/40

- sign 20.939+/-0.045 χ^2/NDF: 17753.5/20

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -35.733+/-0.099 χ^2/NDF:3459.8/3

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

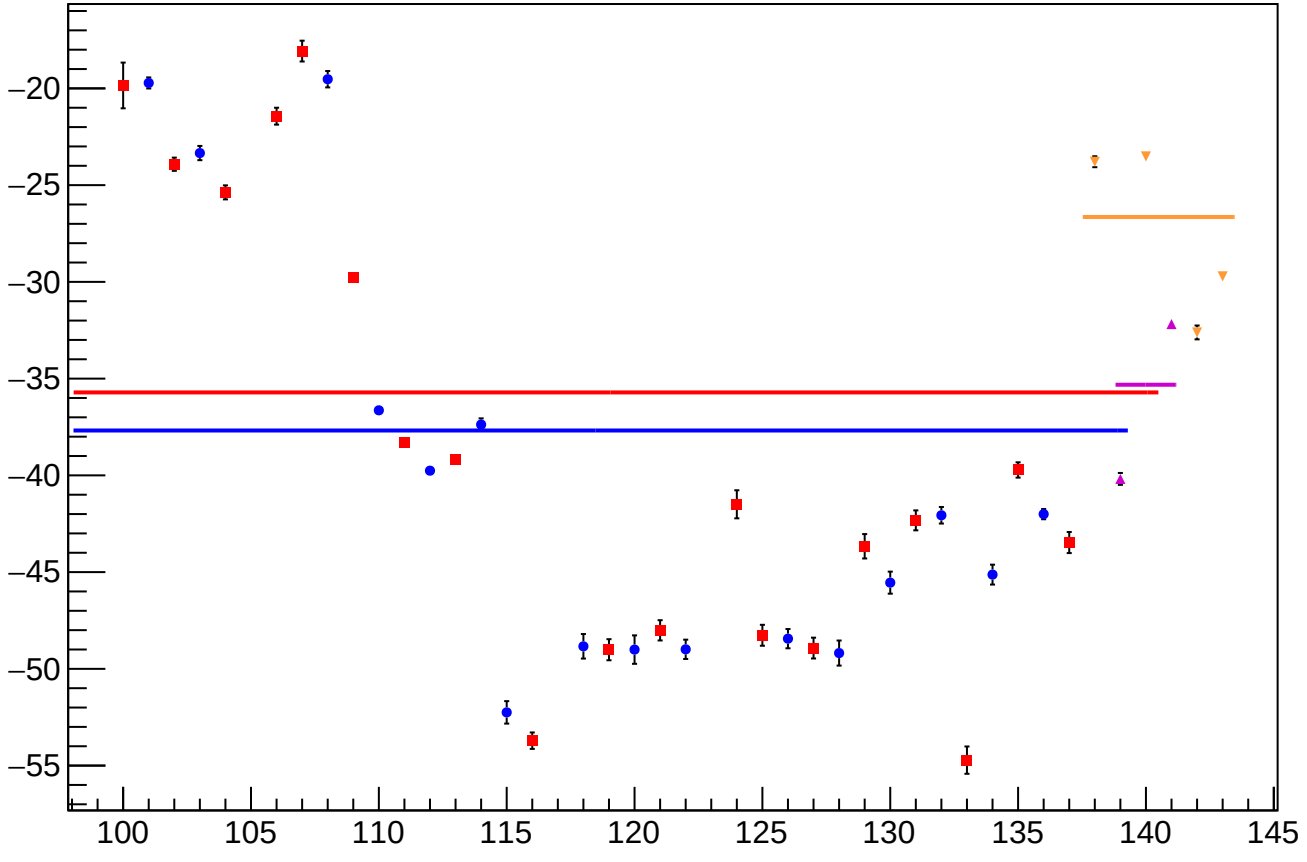
Left In: -34.384+/-0.166 χ^2/NDF:4769.3/1

+ sign -38.857+/-0.061 χ^2/NDF: 12815.5/19

All: -38.596+/-0.044 χ^2/NDF: 28378.3/40

- sign -38.293+/-0.065 χ^2/NDF: 15522.8/20

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -26.646+/-0.131 χ^2/NDF:747.3/3

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

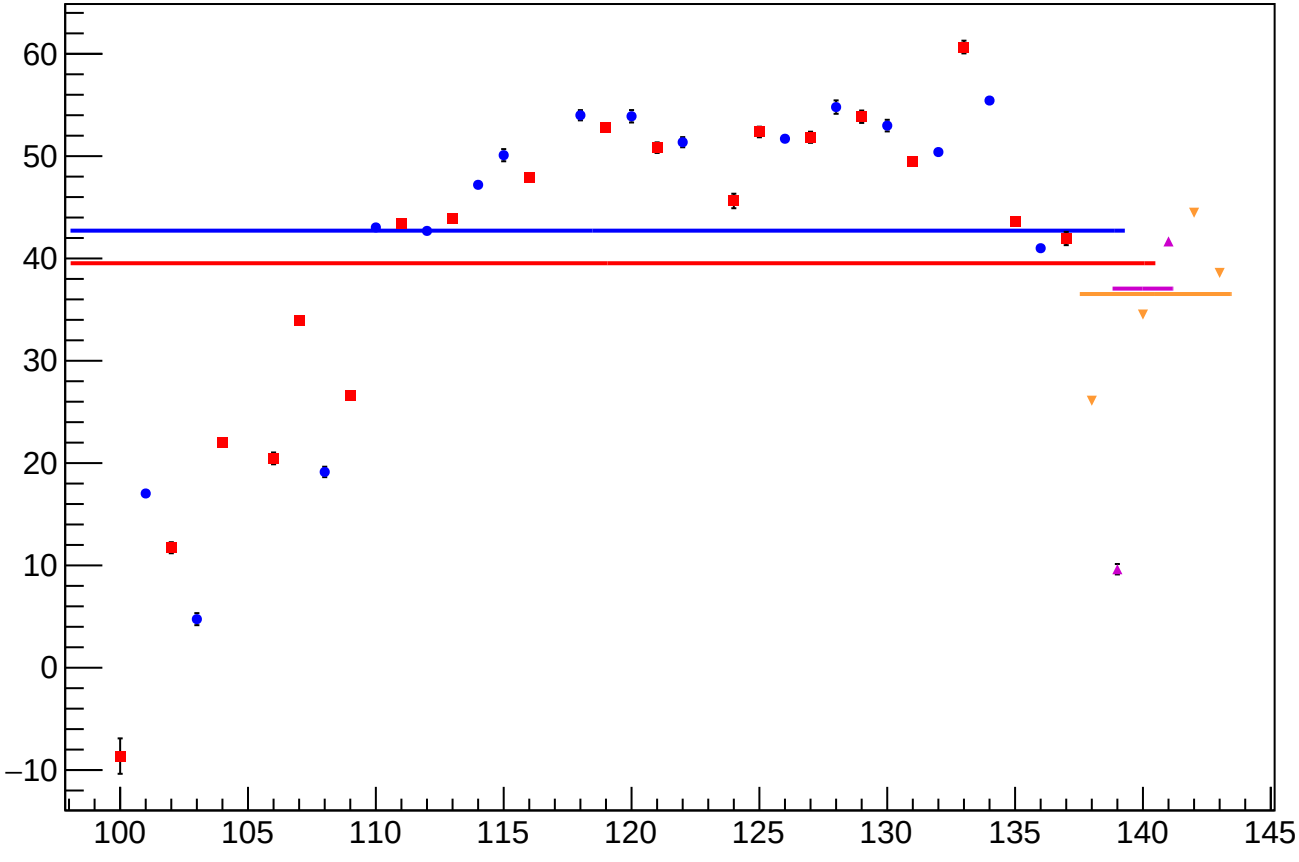
Left In: -35.316+/-0.192 χ^2/NDF:411.9/1

+ sign -35.017+/-0.064 χ^2/NDF: 17006.8/19

All: -35.362+/-0.044 χ^2/NDF: 30752.0/40

- sign -35.674+/-0.061 χ^2/NDF: 13690.3/20

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 36.526+/-0.118 χ^2/NDF:2245.6/3

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

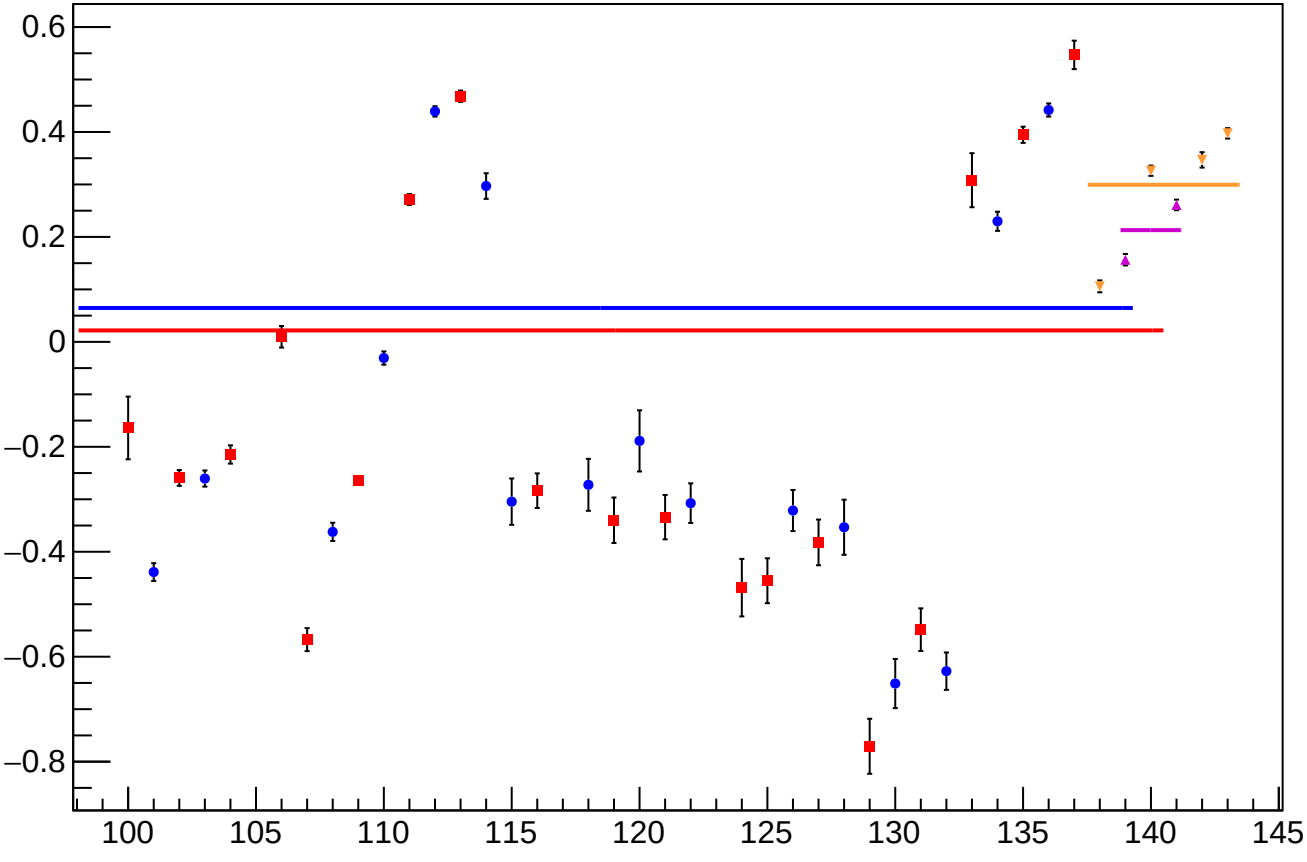
Left In: 37.054+/-0.193 χ^2/NDF:3391.7/1

+ sign 40.598+/-0.069 χ^2/NDF: 18825.3/19

All: 39.926+/-0.050 χ^2/NDF: 40536.5/40

- sign 39.184+/-0.072 χ^2/NDF: 21511.5/20

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.299+/-0.006 χ^2/NDF:405.6/3

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

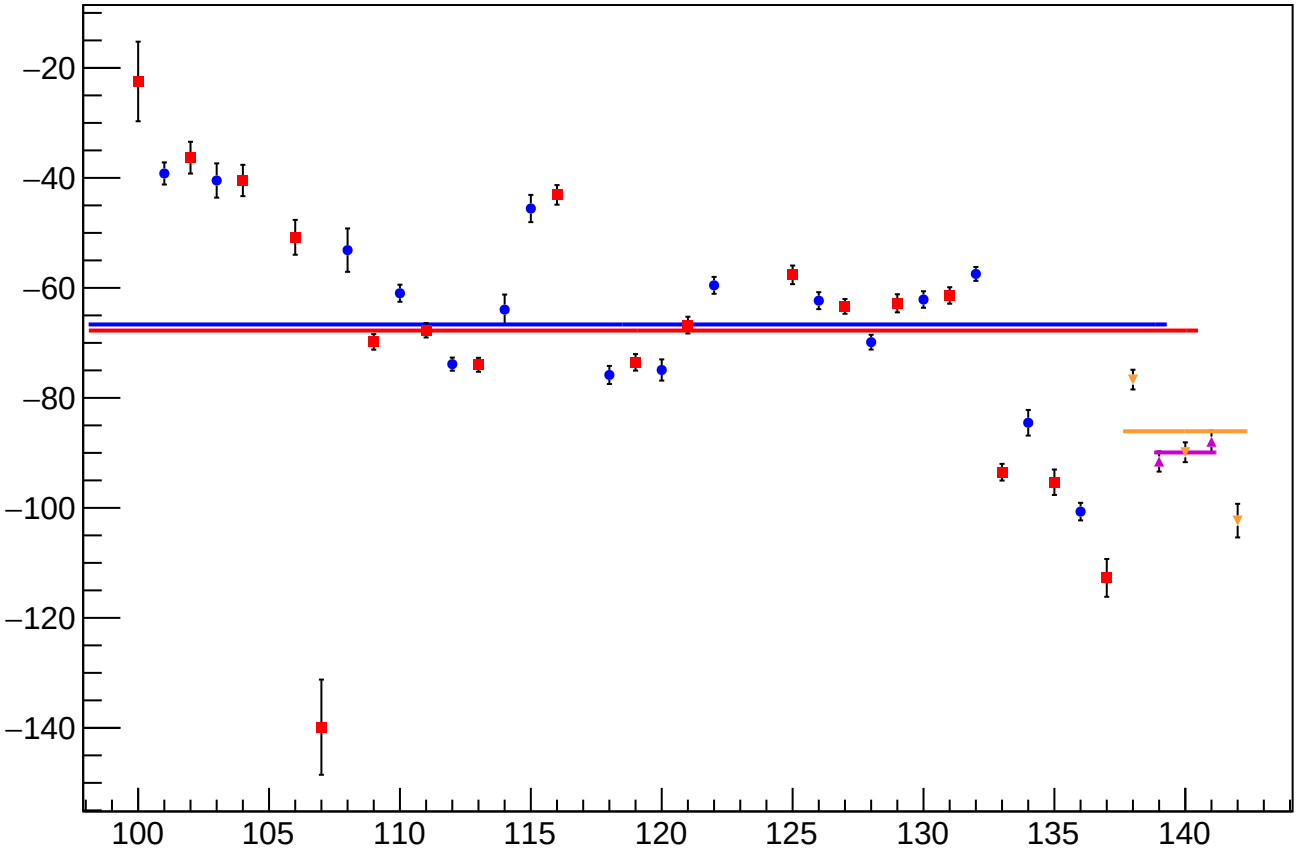
Left In: 0.213+/-0.007 χ^2/NDF:49.3/1

\+ sign 0.167+/-0.004 χ^2/NDF: 6928.8/19

All: 0.121+/-0.003 χ^2/NDF: 14208.1/40

\- sign 0.071+/-0.004 χ^2/NDF: 6946.5/20

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -86.068+/-1.173 χ^2/NDF:60.2/2

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

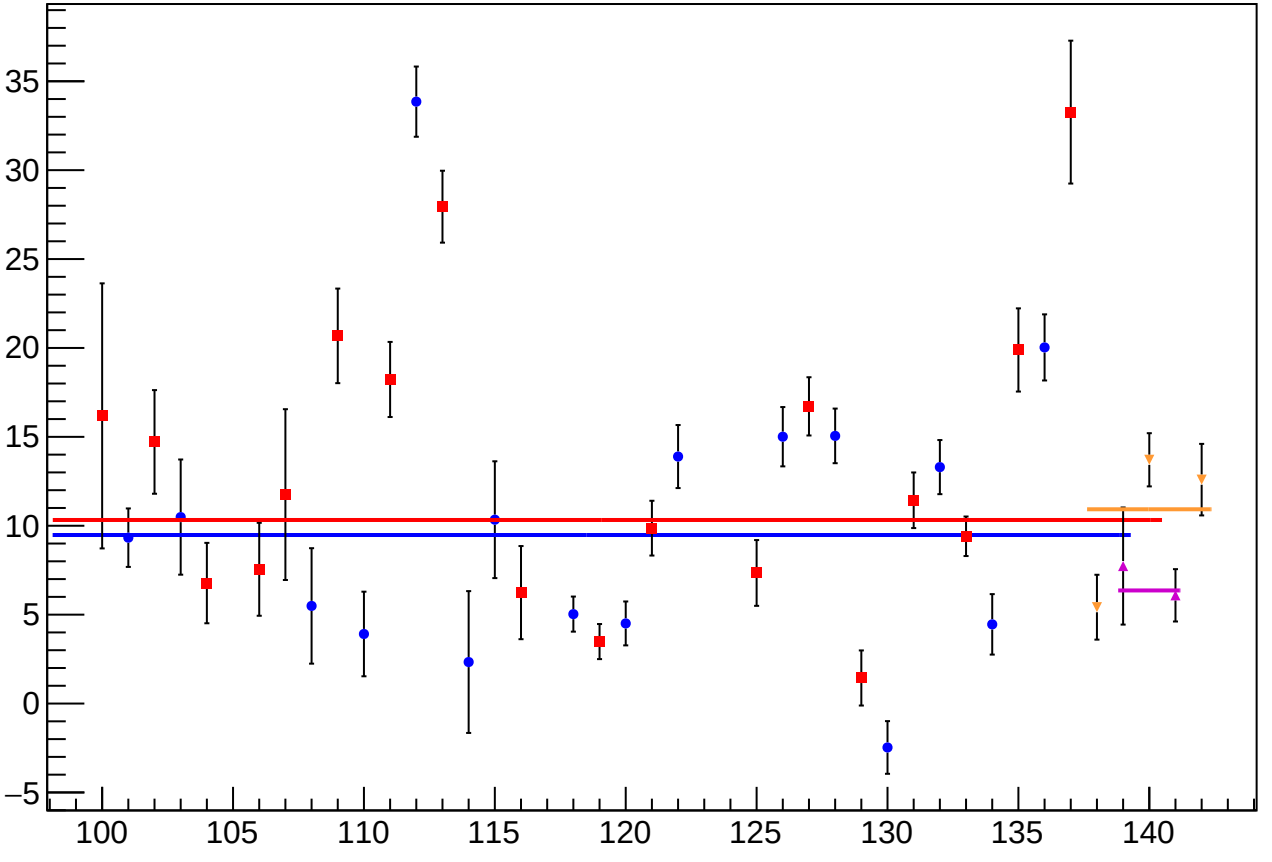
Left In: -89.924+/-1.358 χ^2/NDF:1.7/1

+ sign -68.913+/-0.400 χ^2/NDF: 1354.9/18

All: -69.299+/-0.283 χ^2/NDF: 2857.3/38

- sign -69.686+/-0.401 χ^2/NDF: 1500.5/19

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 10.927+/-1.003 χ^2/NDF:13.3/2

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

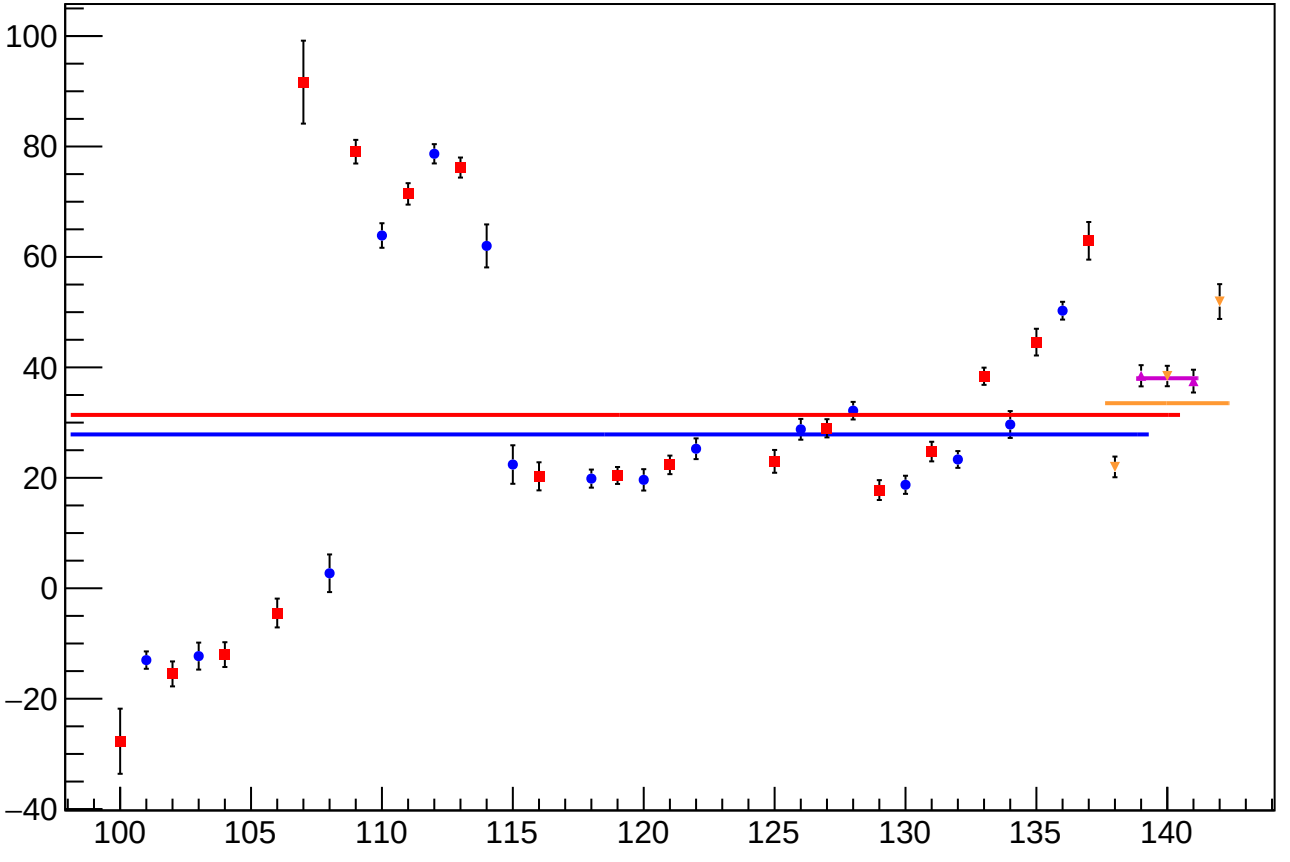
Left In: 6.361+/-1.344 χ^2/NDF:0.2/1

+ sign 9.703+/-0.394 χ^2/NDF: 357.0/18

All: 9.819+/-0.285 χ^2/NDF: 628.6/38

- sign 9.948+/-0.414 χ^2/NDF: 271.5/19

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 33.516+/-1.214 χ^2/NDF:79.2/2

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

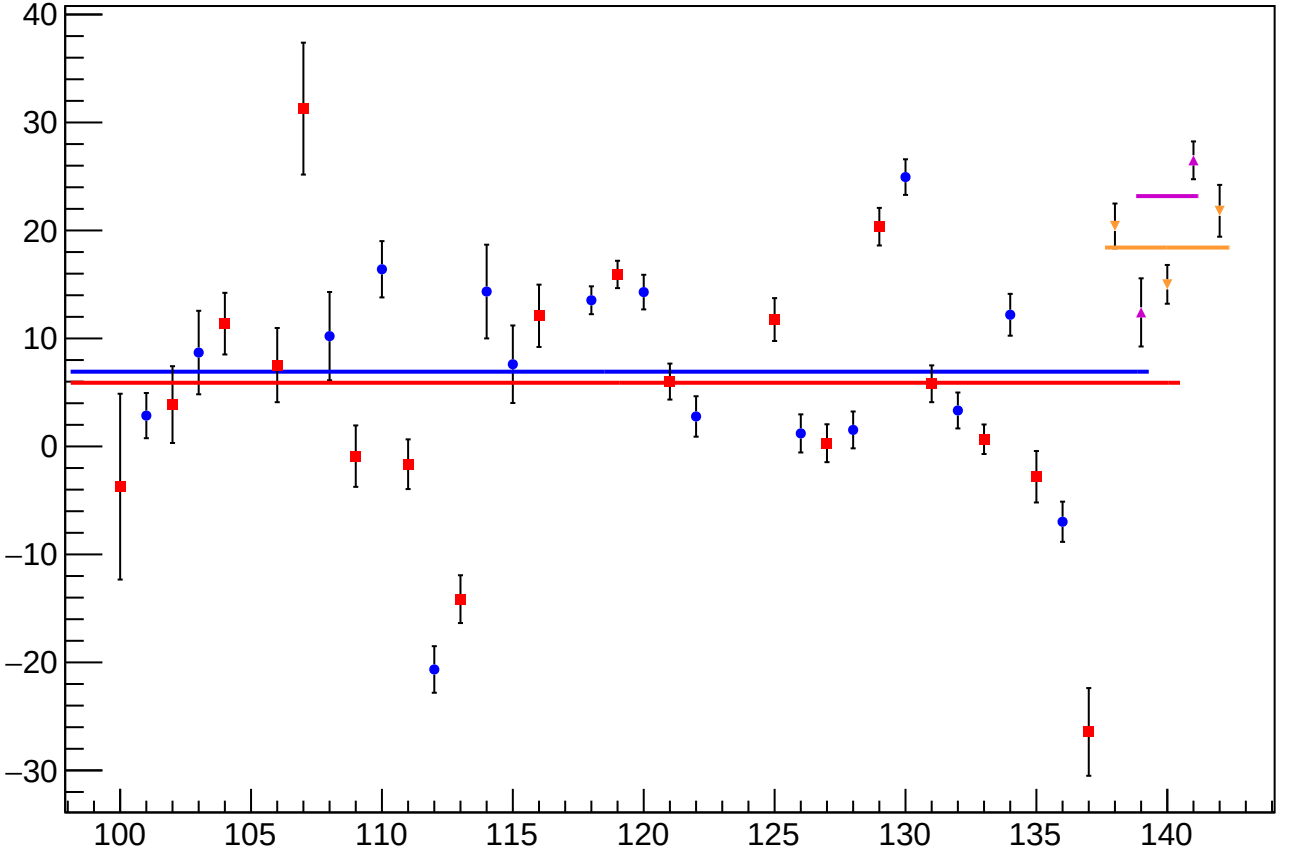
Left In: 38.033+/-1.406 χ^2/NDF:0.1/1

+ sign 28.631+/-0.448 χ^2/NDF: 2571.9/18

All: 30.322+/-0.321 χ^2/NDF: 5632.6/38

- sign 32.107+/-0.461 χ^2/NDF: 3031.5/19

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.417+/-1.182 χ^2/NDF:6.5/2

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

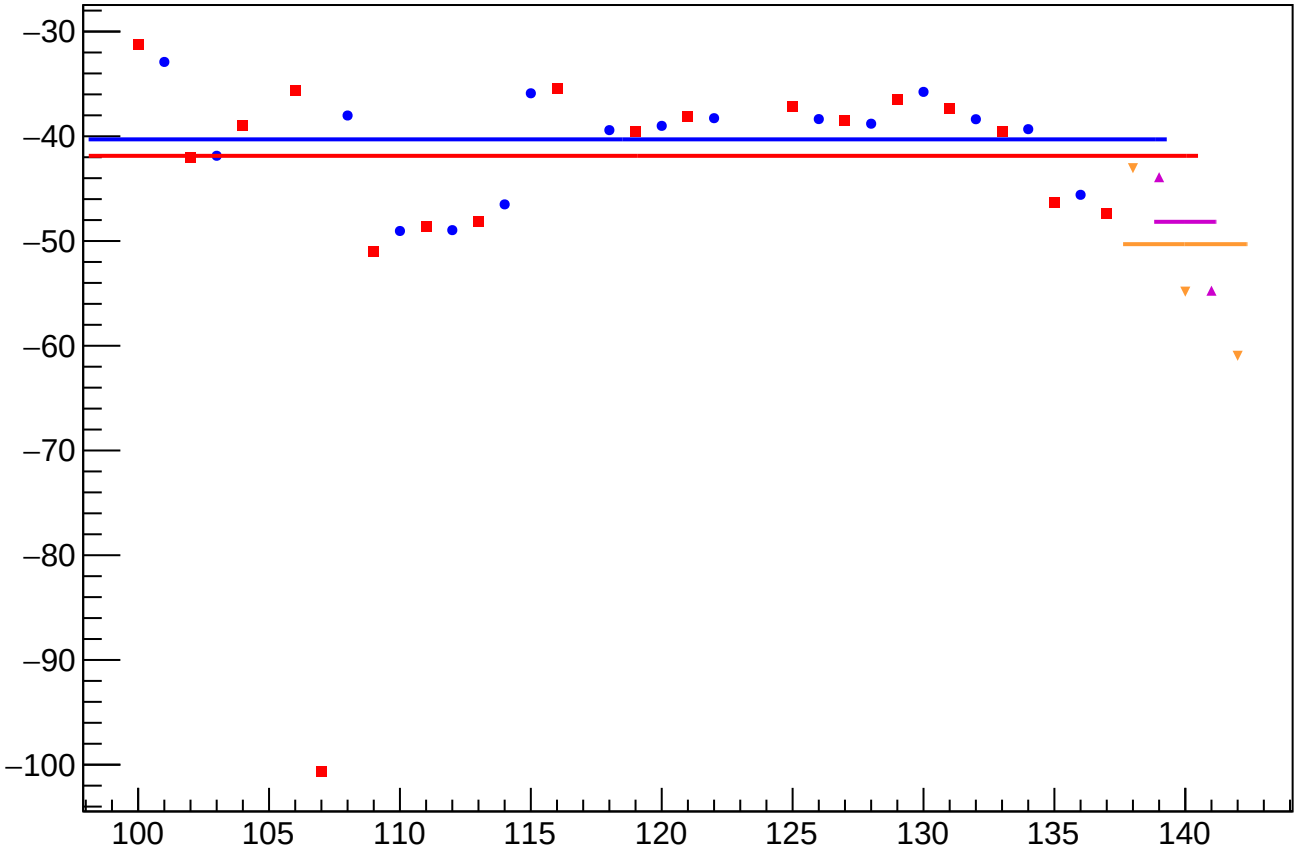
Left In: 23.182+/-1.531 χ^2/NDF:15.2/1

+ sign 8.641+/-0.457 χ^2/NDF: 531.3/18

All: 8.130+/-0.330 χ^2/NDF: 1032.0/38

- sign 7.573+/-0.477 χ^2/NDF: 498.0/19

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -50.300+/-0.051 χ^2/NDF:19338.5/2

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

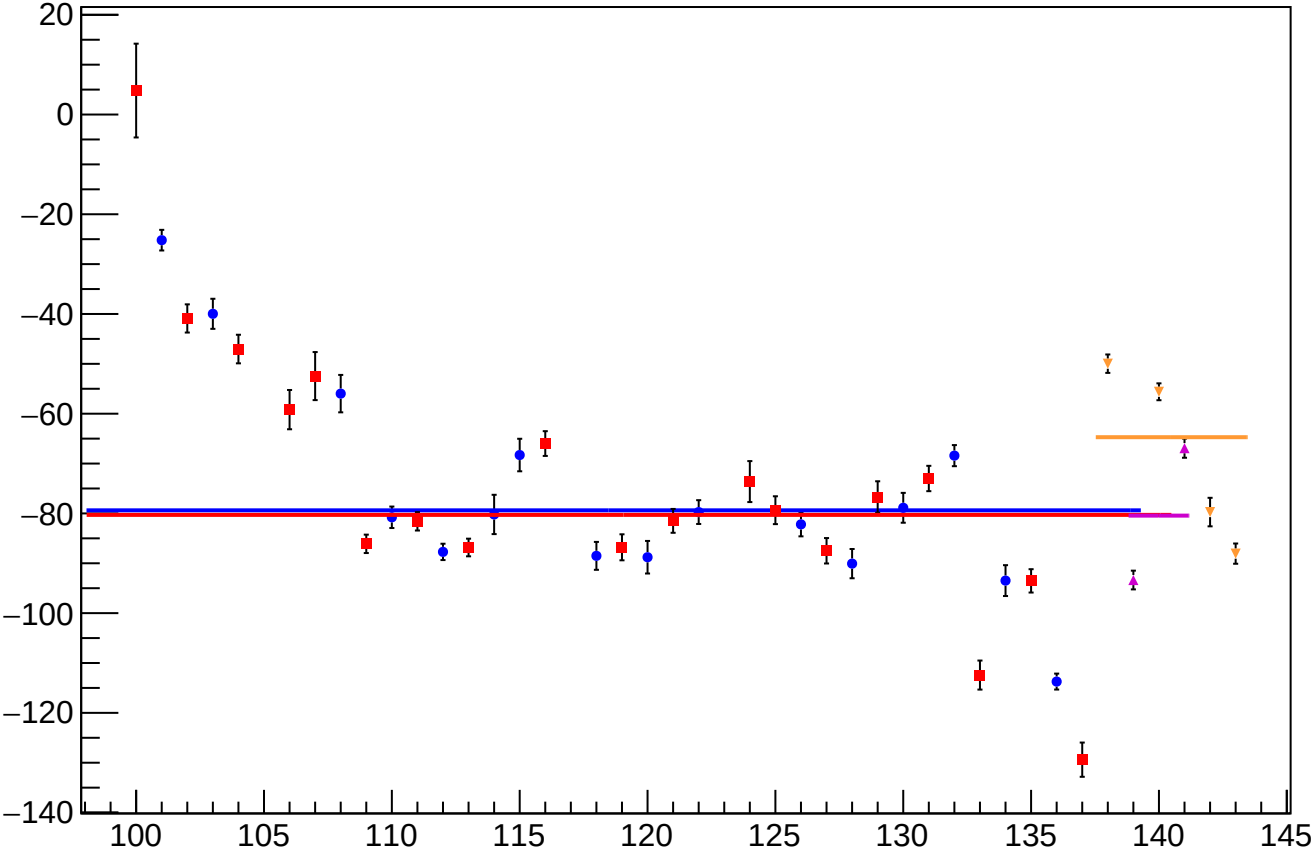
Left In: -48.166+/-0.053 χ^2/NDF:9975.9/1

+ sign -43.060+/-0.027 χ^2/NDF: 68089.0/18

All: -43.302+/-0.019 χ^2/NDF: 147301.3/38

- sign -43.558+/-0.027 χ^2/NDF: 79043.4/19

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -64.714+/-0.996 χ^2/NDF:252.7/3

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

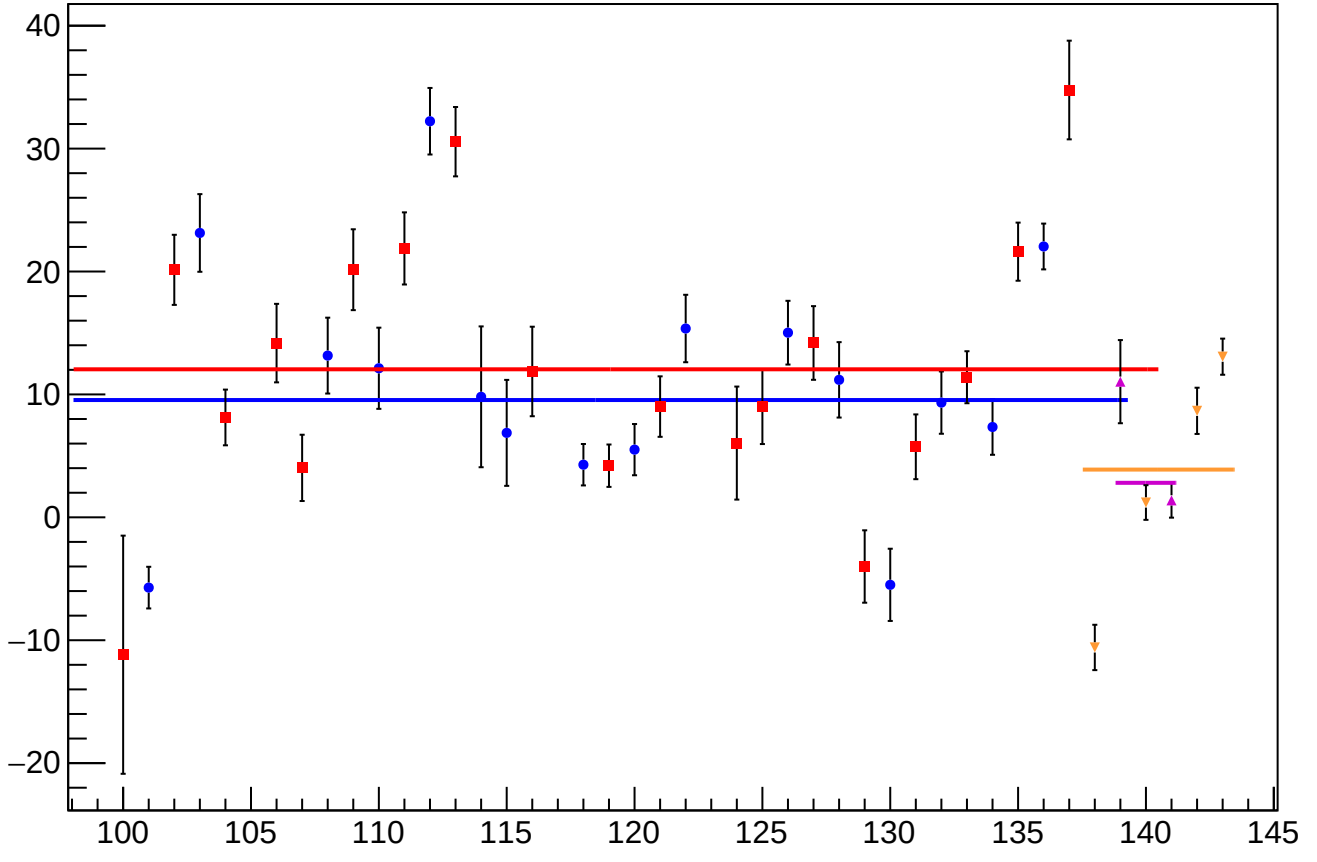
Left In: -80.442+/-1.344 χ^2/NDF:96.7/1

+ sign -75.372+/-0.521 χ^2/NDF: 1886.1/19

All: -77.707+/-0.379 χ^2/NDF: 2940.1/40

- sign -80.319+/-0.551 χ^2/NDF: 1011.4/20

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 3.884+/-0.805 χ^2/NDF:110.7/3

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

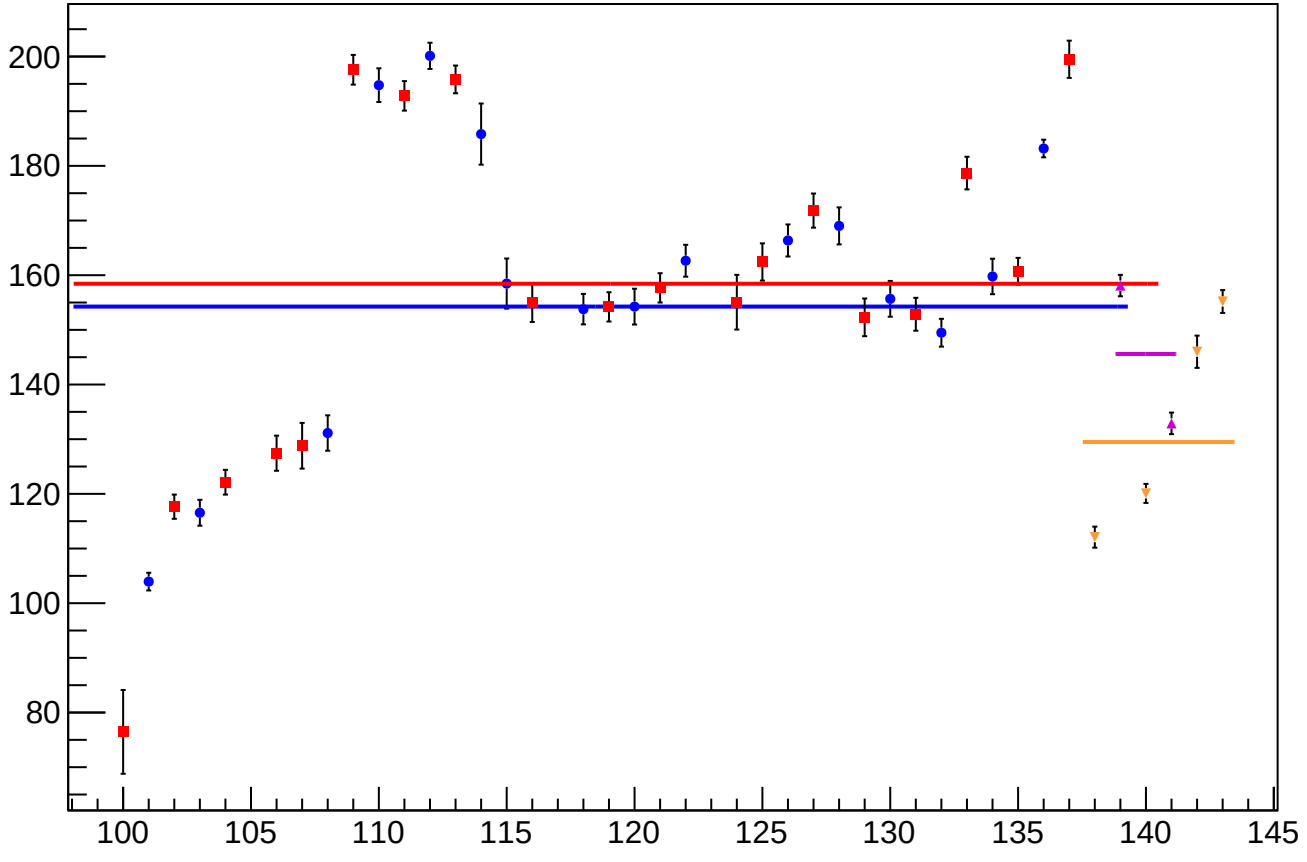
Left In: 2.807+/-1.300 χ^2/NDF:6.9/1

+ sign 7.431+/-0.492 χ^2/NDF: 408.7/19

All: 8.632+/-0.373 χ^2/NDF: 666.2/40

- sign 10.256+/-0.572 χ^2/NDF: 243.5/20

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.494+/-1.029 χ^2/NDF:293.8/3

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

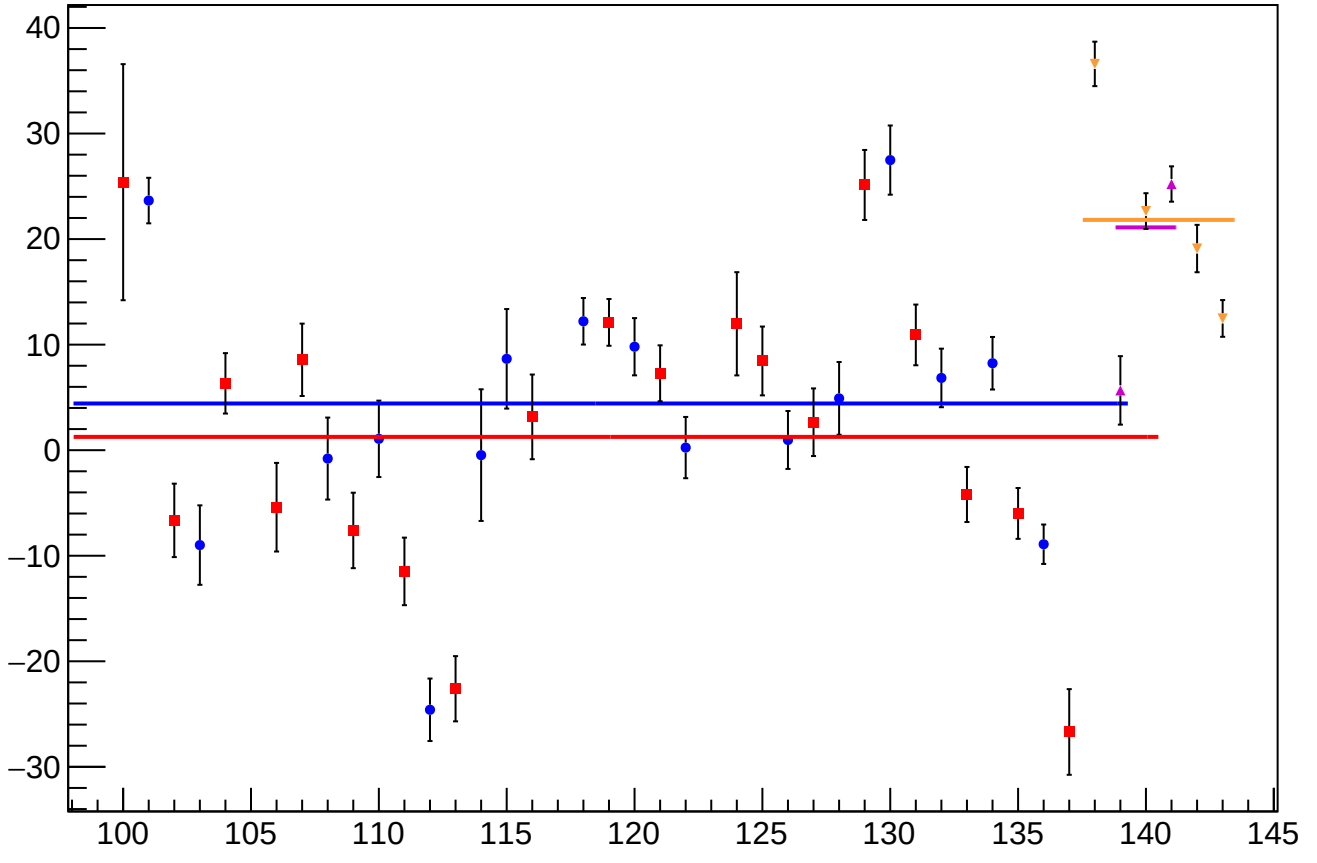
Left In: 145.588+/-1.390 χ^2/NDF:82.2/1

\+ sign 147.016+/-0.557 χ^2/NDF: 2917.2/19

All: 151.050+/-0.412 χ^2/NDF: 4848.6/40

\- sign 155.939+/-0.613 χ^2/NDF: 1815.2/20

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 21.818+/-0.952 χ^2/NDF:79.7/3

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

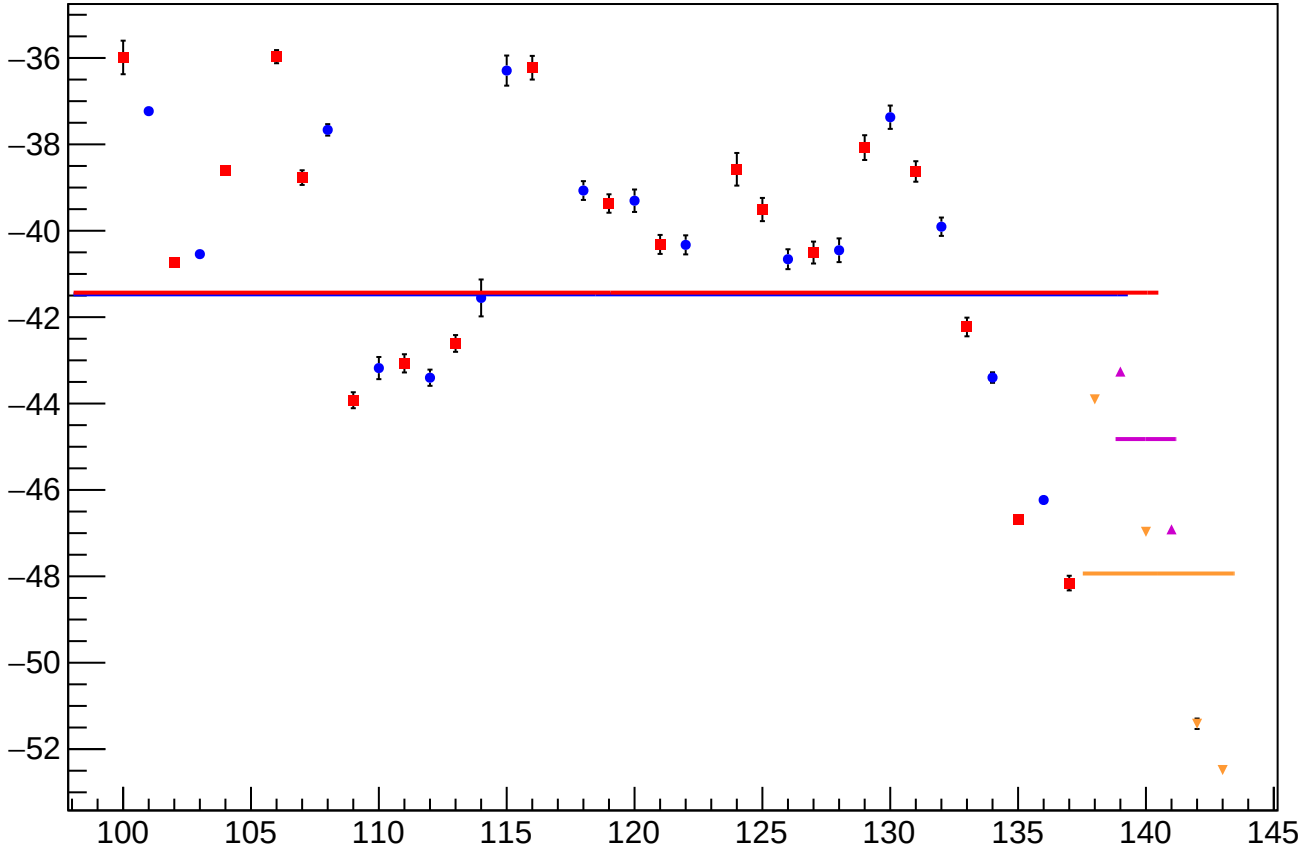
Left In: 21.107+/-1.488 χ^2/NDF:28.7/1

+ sign 10.685+/-0.571 χ^2/NDF: 609.5/19

All: 8.290+/-0.431 χ^2/NDF: 1087.2/40

- sign 5.125+/-0.657 χ^2/NDF: 436.9/20

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -47.935+/-0.043 χ^2/NDF:6463.8/3

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

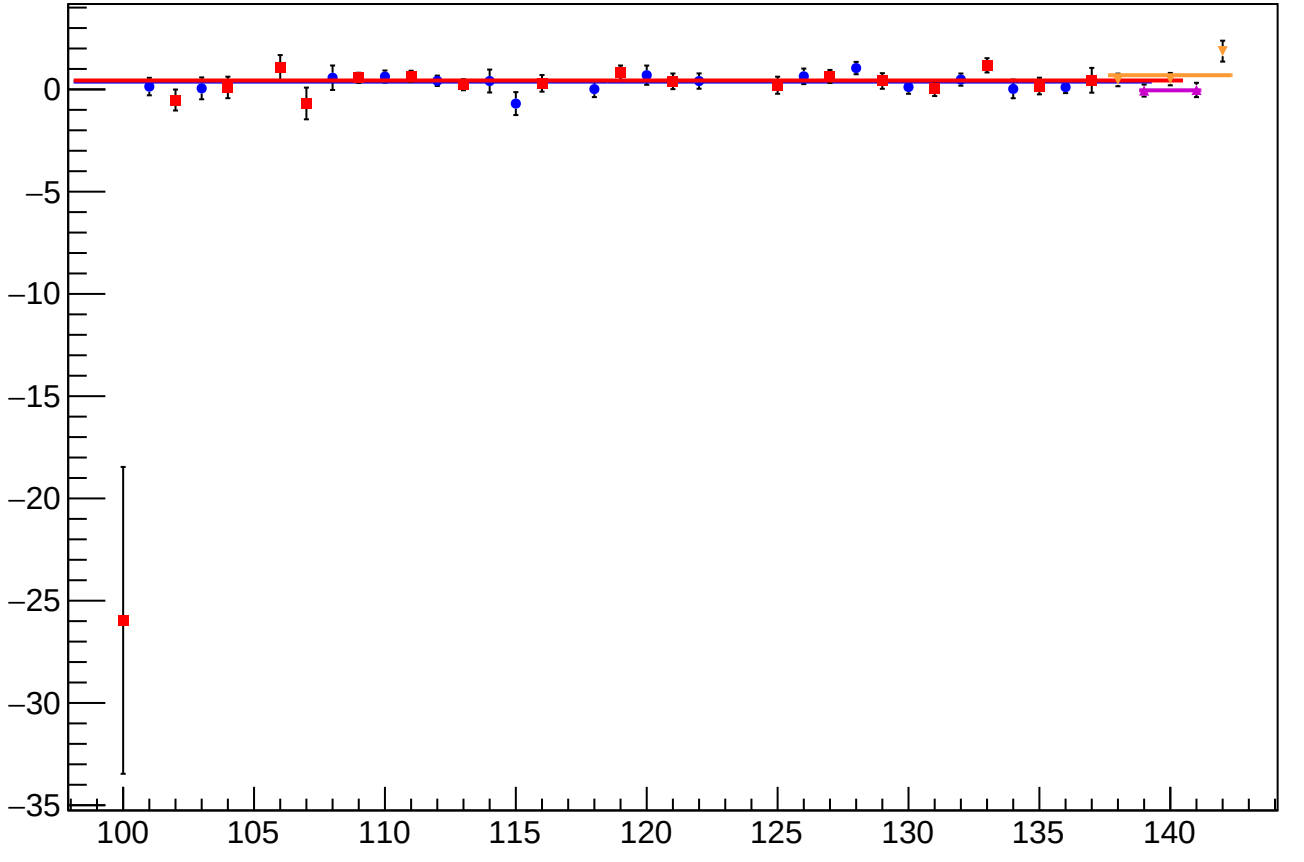
Left In: -44.822+/-0.053 χ^2/NDF:1169.2/1

+ sign -44.300+/-0.029 χ^2/NDF: 26961.3/19

All: -43.558+/-0.021 χ^2/NDF: 40495.3/40

- sign -42.648+/-0.032 χ^2/NDF: 12033.0/20

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.693+/-0.199 χ^2/NDF:6.3/2

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

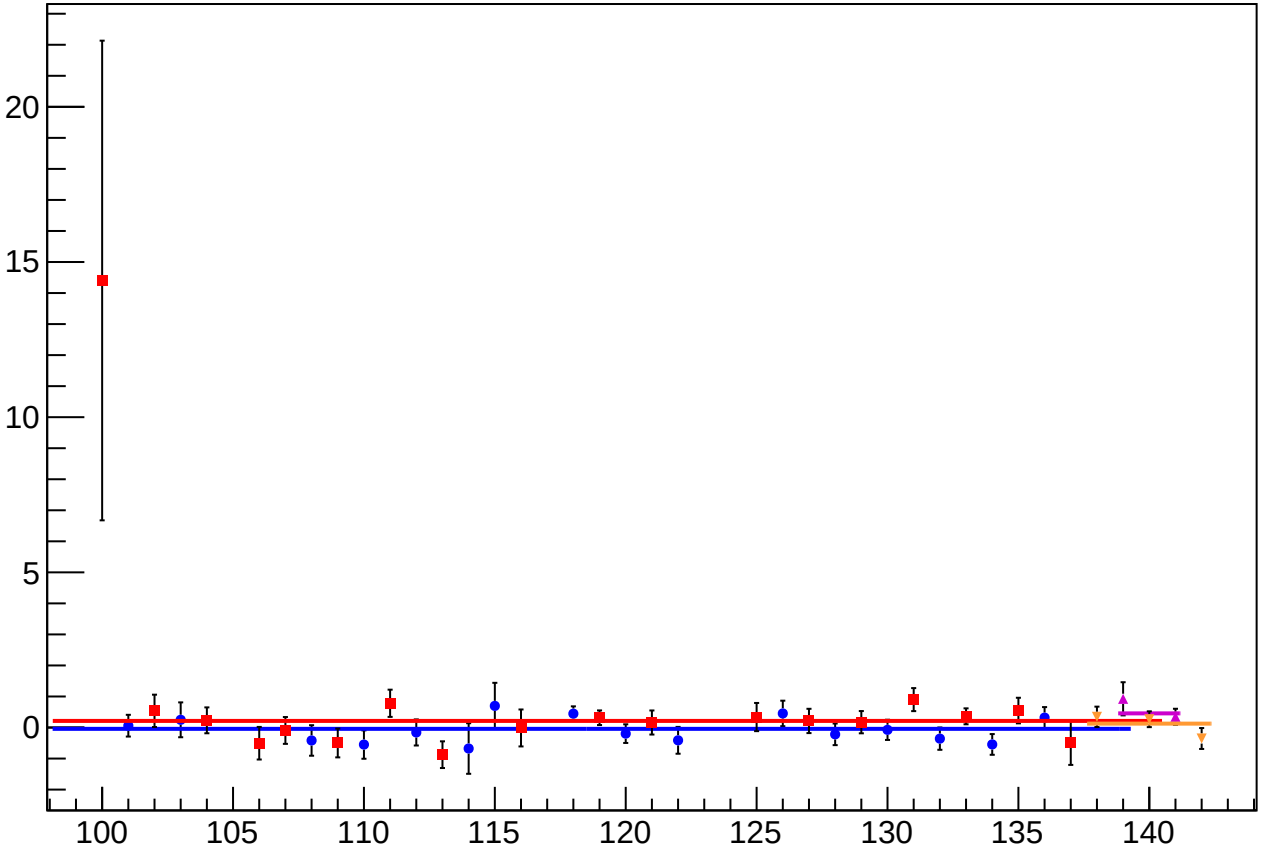
Left In: -0.045+/-0.226 χ^2/NDF:0.0/1

+ sign 0.437+/-0.084 χ^2/NDF: 22.3/18

All: 0.404+/-0.059 χ^2/NDF: 55.5/38

- sign 0.370+/-0.084 χ^2/NDF: 32.9/19

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.125+/-0.173 χ^2/NDF:2.8/2

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

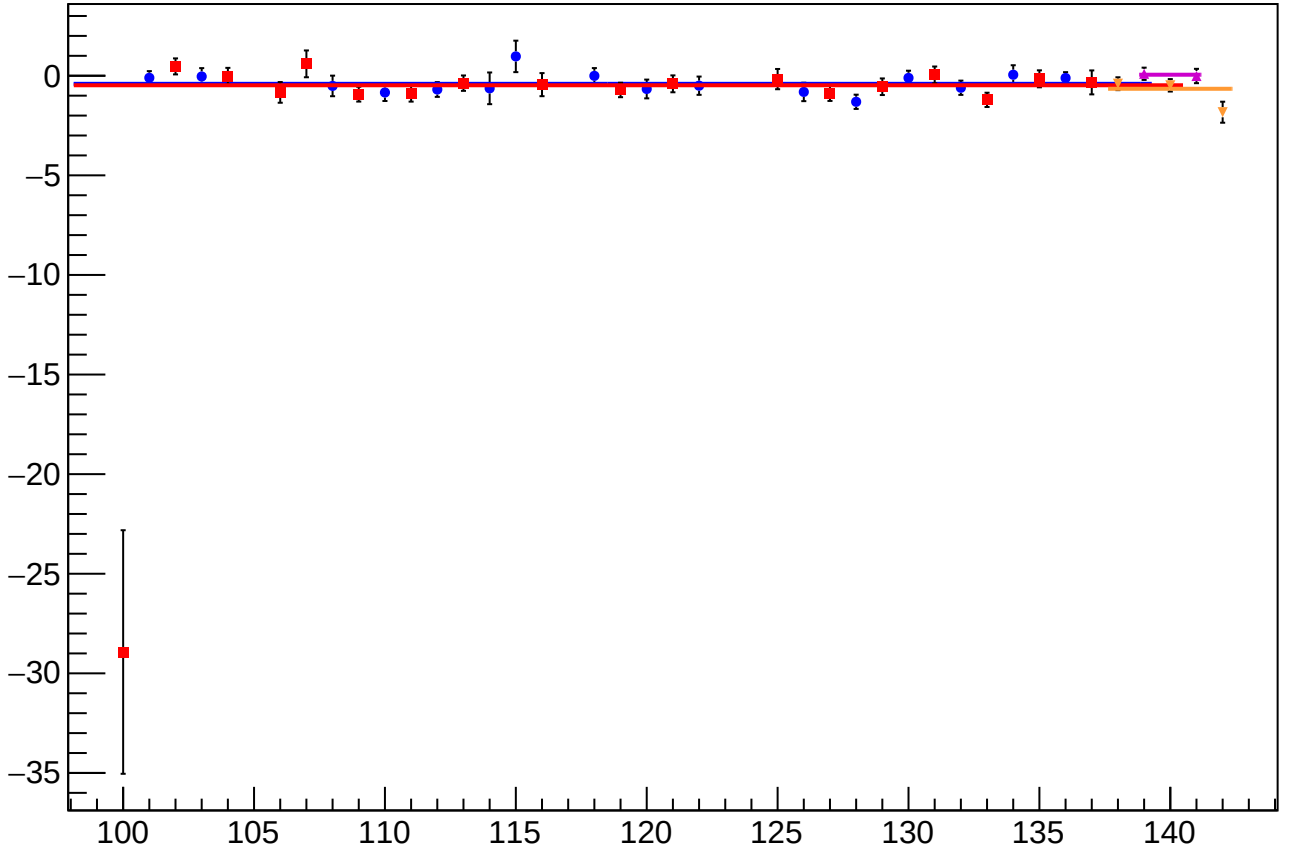
Left In: 0.456+/-0.233 χ^2/NDF:1.0/1

+ sign -0.004+/-0.083 χ^2/NDF: 18.5/18

All: 0.114+/-0.060 χ^2/NDF: 47.2/38

- sign 0.248+/-0.088 χ^2/NDF: 24.3/19

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.655+/-0.206 χ^2/NDF:5.9/2

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

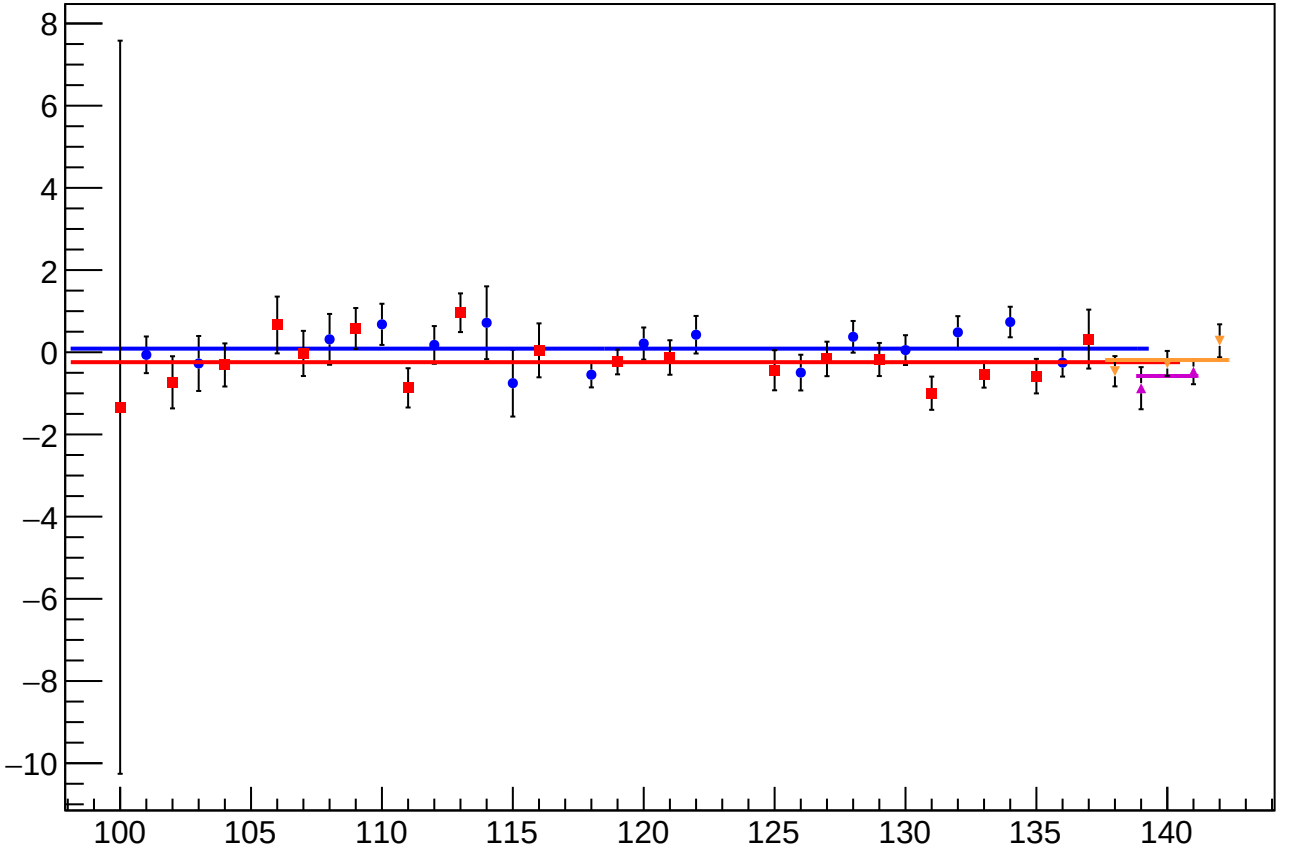
Left In: 0.051+/-0.234 χ^2/NDF:0.1/1

+ sign -0.456+/-0.092 χ^2/NDF: 24.8/18

All: -0.424+/-0.066 χ^2/NDF: 71.7/38

- sign -0.390+/-0.095 χ^2/NDF: 46.6/19

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.189+/-0.203 χ^2/NDF:2.0/2

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

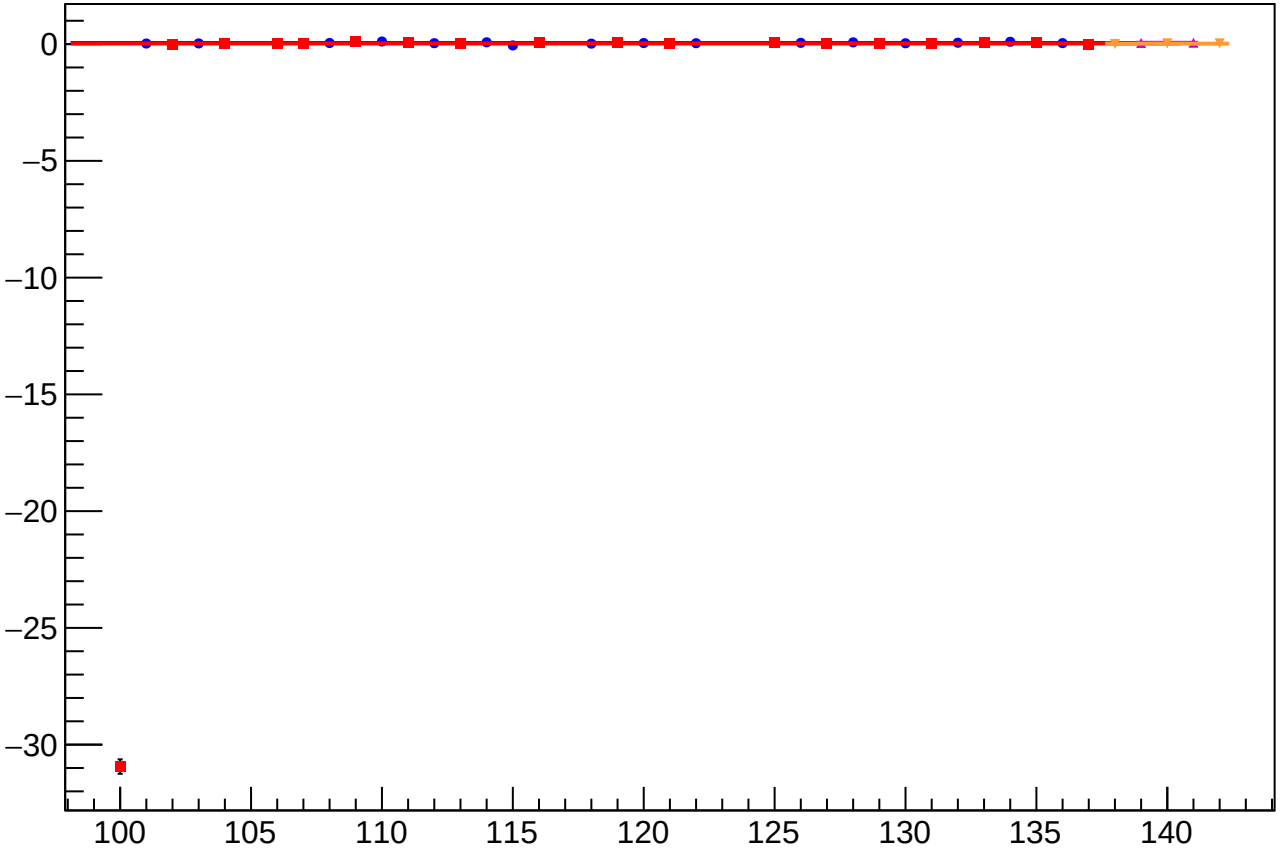
Left In: -0.578+/-0.263 χ^2/NDF:0.5/1

+ sign 0.026+/-0.096 χ^2/NDF: 19.3/18

All: -0.123+/-0.069 χ^2/NDF: 46.0/38

- sign -0.291+/-0.101 χ^2/NDF: 21.5/19

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.020+/-0.009 χ^2/NDF:2.0/2

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

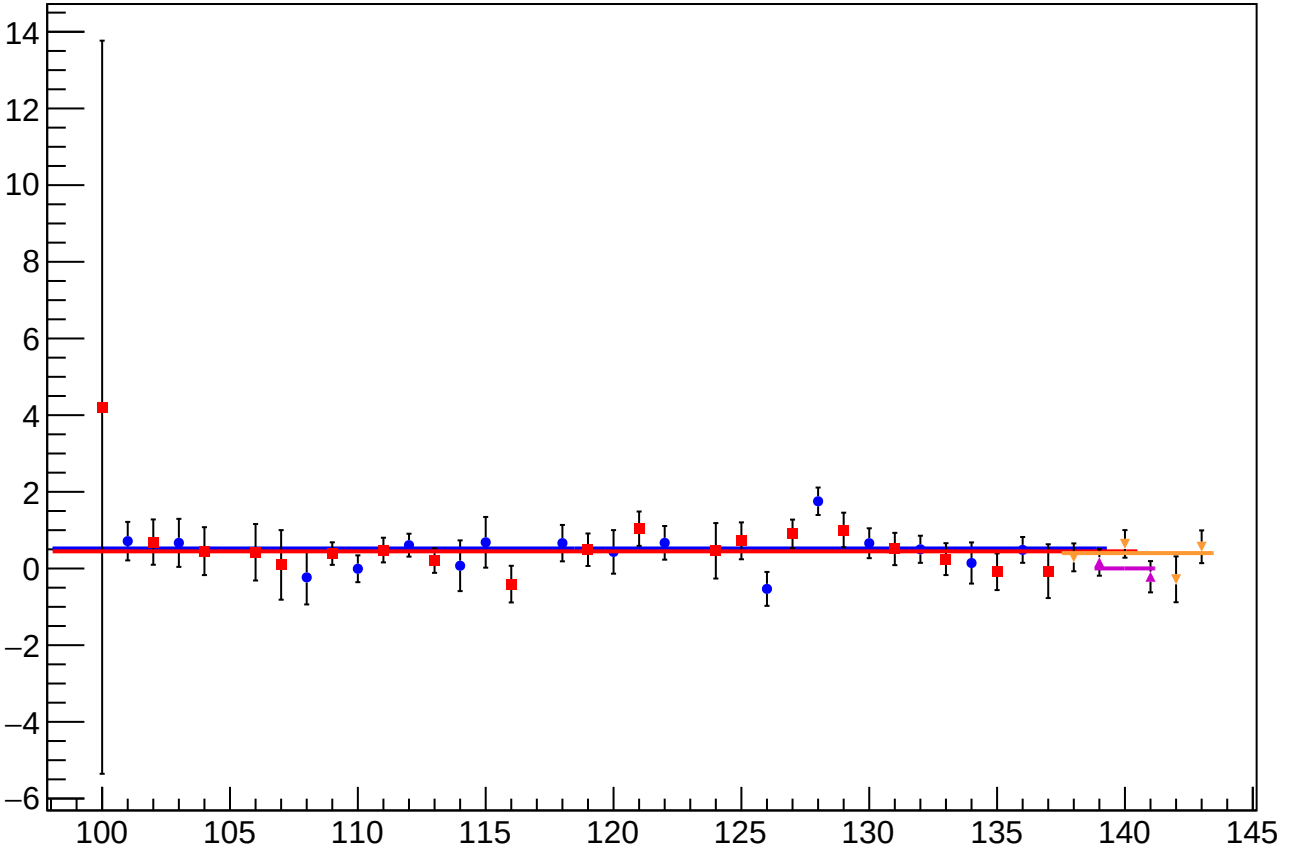
Left In: 0.055+/-0.009 χ^2/NDF:0.2/1

+ sign 0.038+/-0.005 χ^2/NDF: 28.7/18

All: 0.038+/-0.004 χ^2/NDF: 10056.3/38

- sign 0.037+/-0.005 χ^2/NDF: 10027.6/19

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.402+/-0.206 χ^2/NDF:2.0/3

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

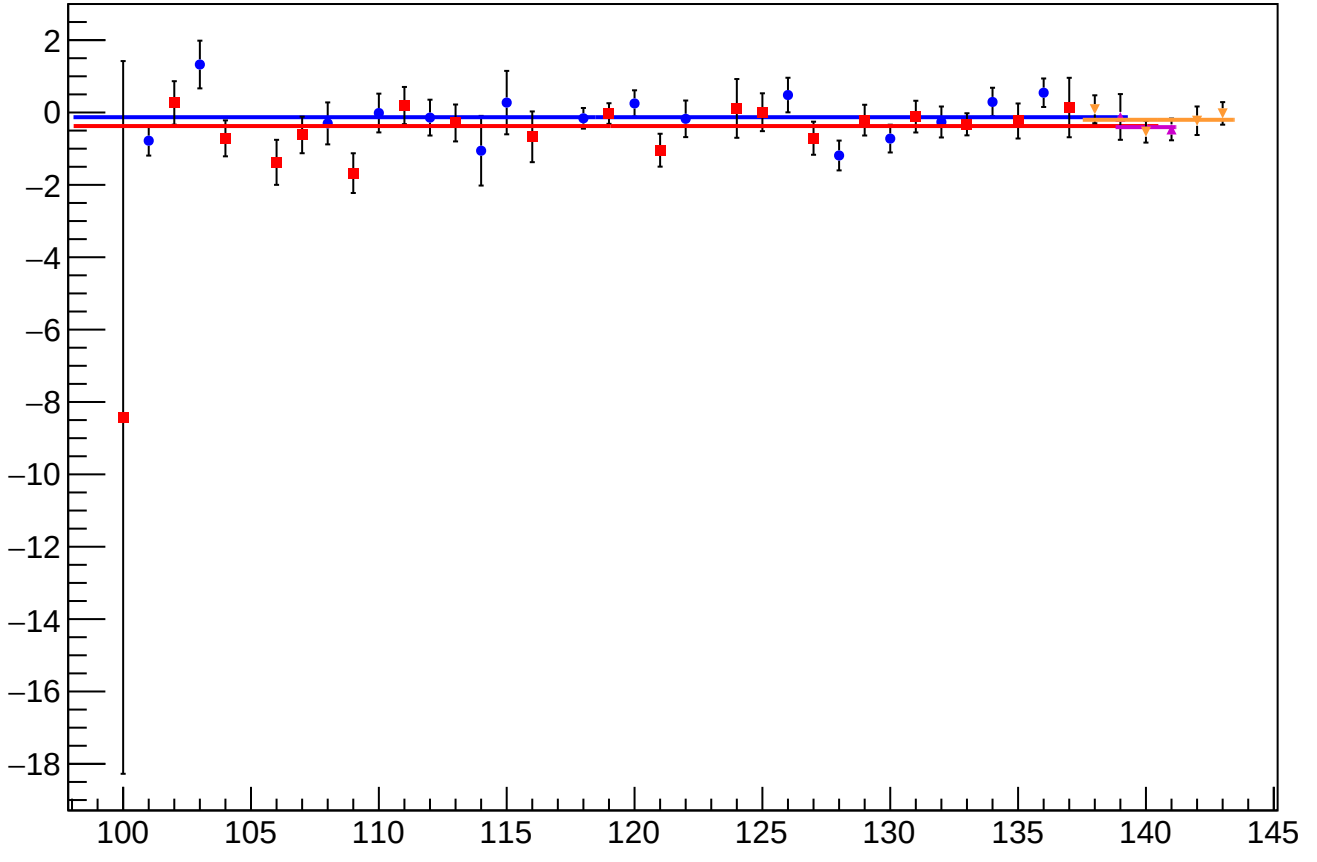
Left In: 0.003+/-0.266 χ^2/NDF:0.5/1

+ sign 0.496+/-0.096 χ^2/NDF: 24.9/19

All: 0.443+/-0.068 χ^2/NDF: 39.8/40

- sign 0.387+/-0.098 χ^2/NDF: 14.3/20

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.202+/-0.170 χ^2/NDF:2.1/3

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

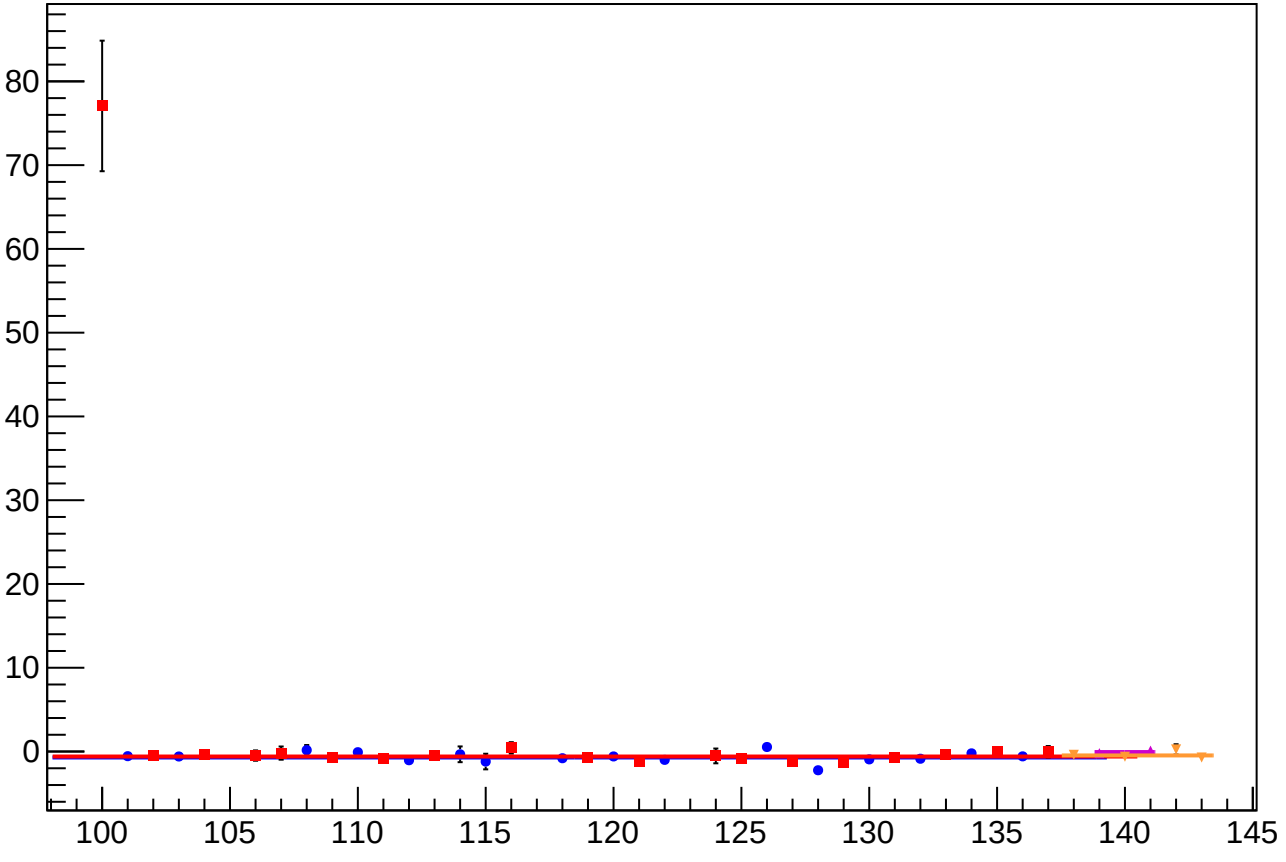
Left In: -0.405+/-0.271 χ^2/NDF:0.2/1

+ sign -0.152+/-0.093 χ^2/NDF: 26.8/19

All: -0.254+/-0.069 χ^2/NDF: 47.9/40

- sign -0.379+/-0.103 χ^2/NDF: 18.5/20

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.468+/-0.213 χ^2/NDF:1.9/3

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

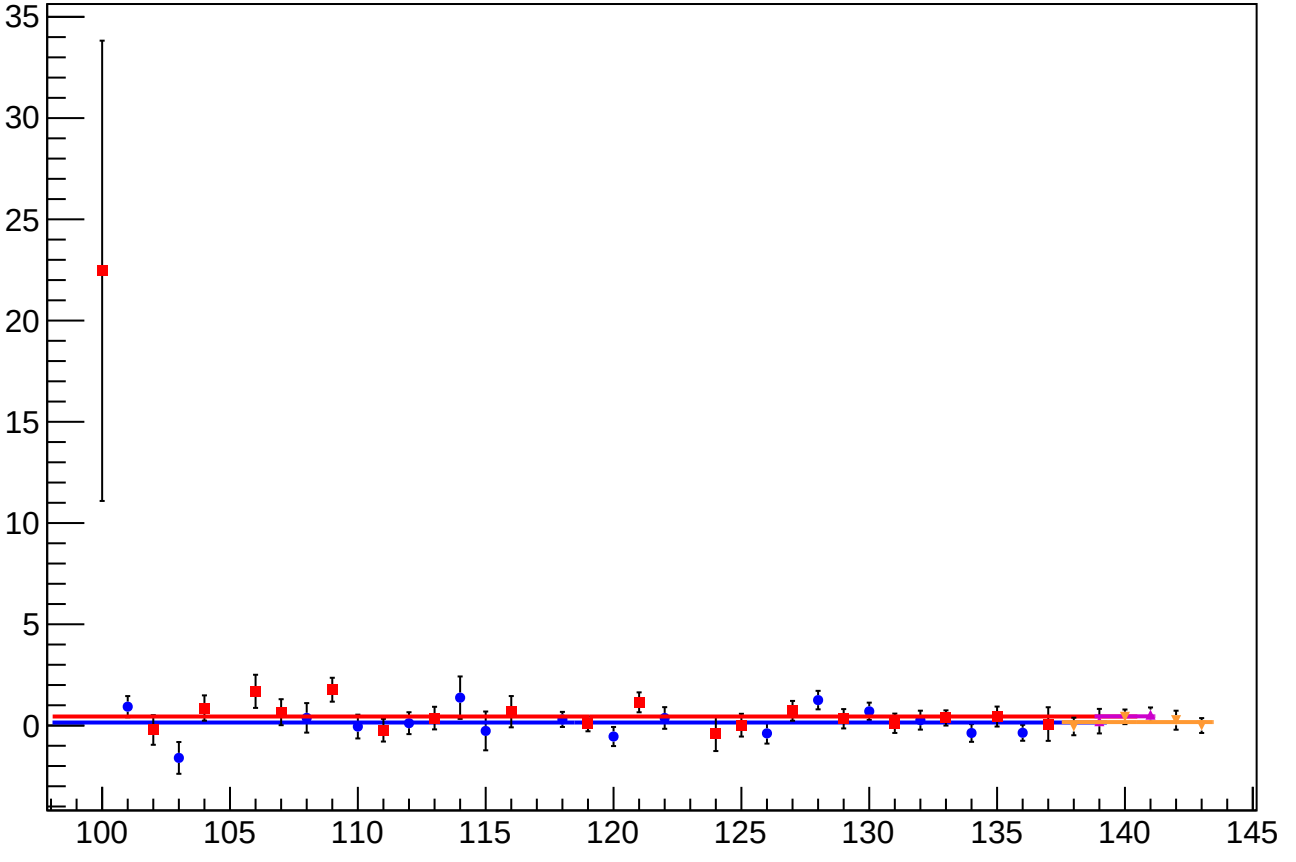
Left In: -0.065+/-0.275 χ^2/NDF:0.3/1

+ sign -0.652+/-0.106 χ^2/NDF: 27.8/19

All: -0.585+/-0.077 χ^2/NDF: 143.0/40

- sign -0.510+/-0.111 χ^2/NDF: 114.4/20

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.170+/-0.200 χ^2/NDF:1.0/3

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

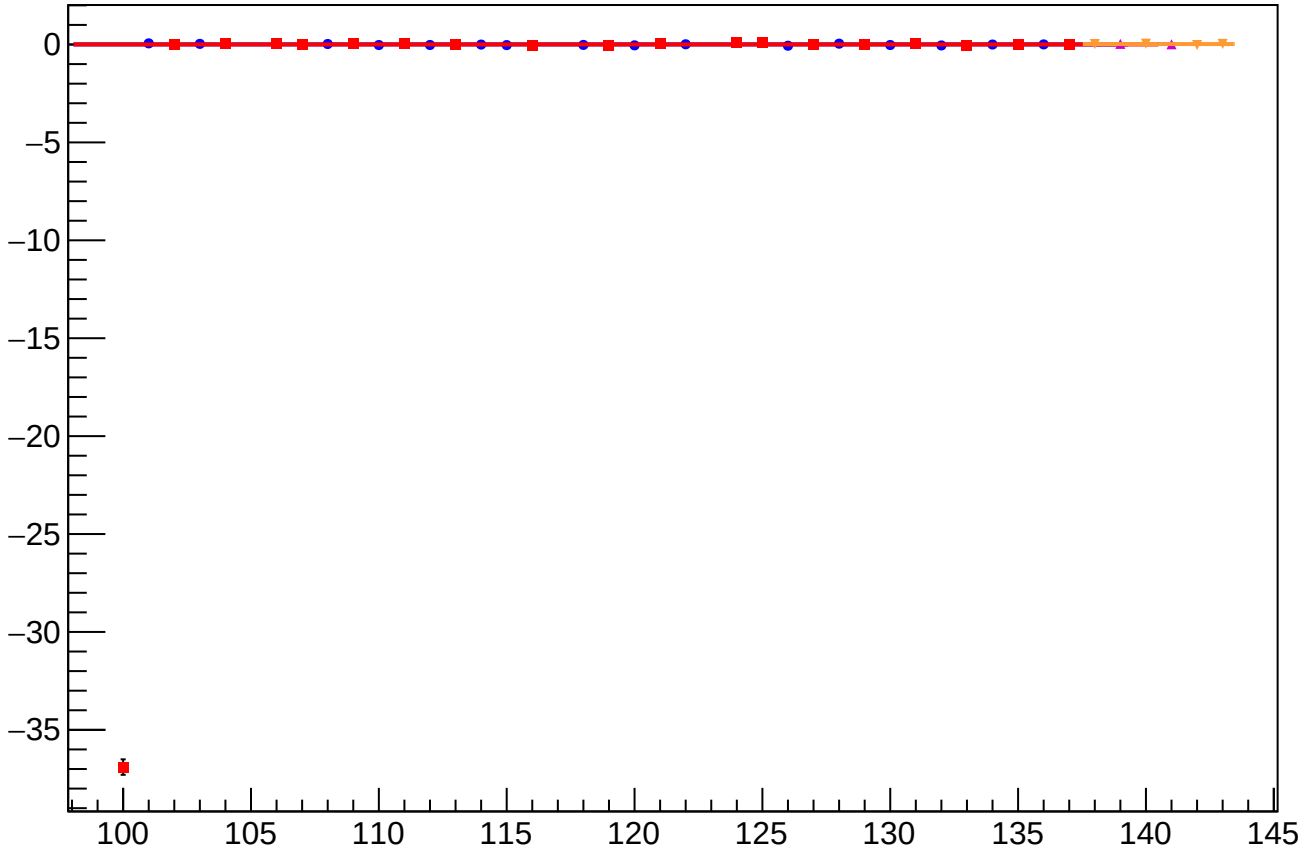
Left In: 0.454+/-0.307 χ^2/NDF:0.2/1

+ sign 0.154+/-0.108 χ^2/NDF: 24.3/19

All: 0.287+/-0.080 χ^2/NDF: 47.5/40

- sign 0.446+/-0.118 χ^2/NDF: 19.9/20

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.023+/-0.009 χ^2/NDF:5.2/3

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

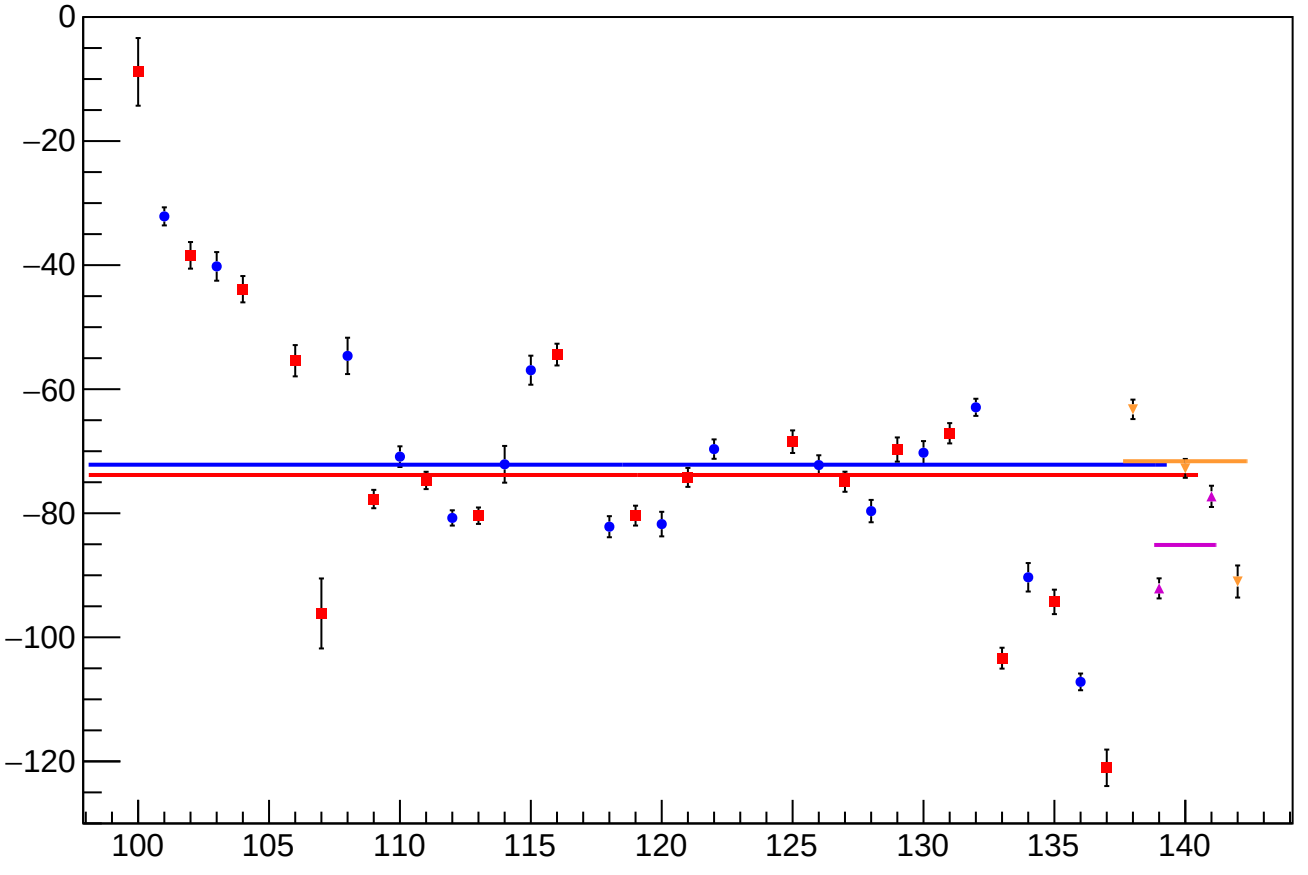
Left In: 0.025+/-0.010 χ^2/NDF:1.0/1

+ sign 0.013+/-0.006 χ^2/NDF: 24.9/19

All: 0.012+/-0.004 χ^2/NDF: 8782.7/40

- sign 0.010+/-0.006 χ^2/NDF: 8757.6/20

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -71.613+/-1.006 χ^2/NDF:85.2/2

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

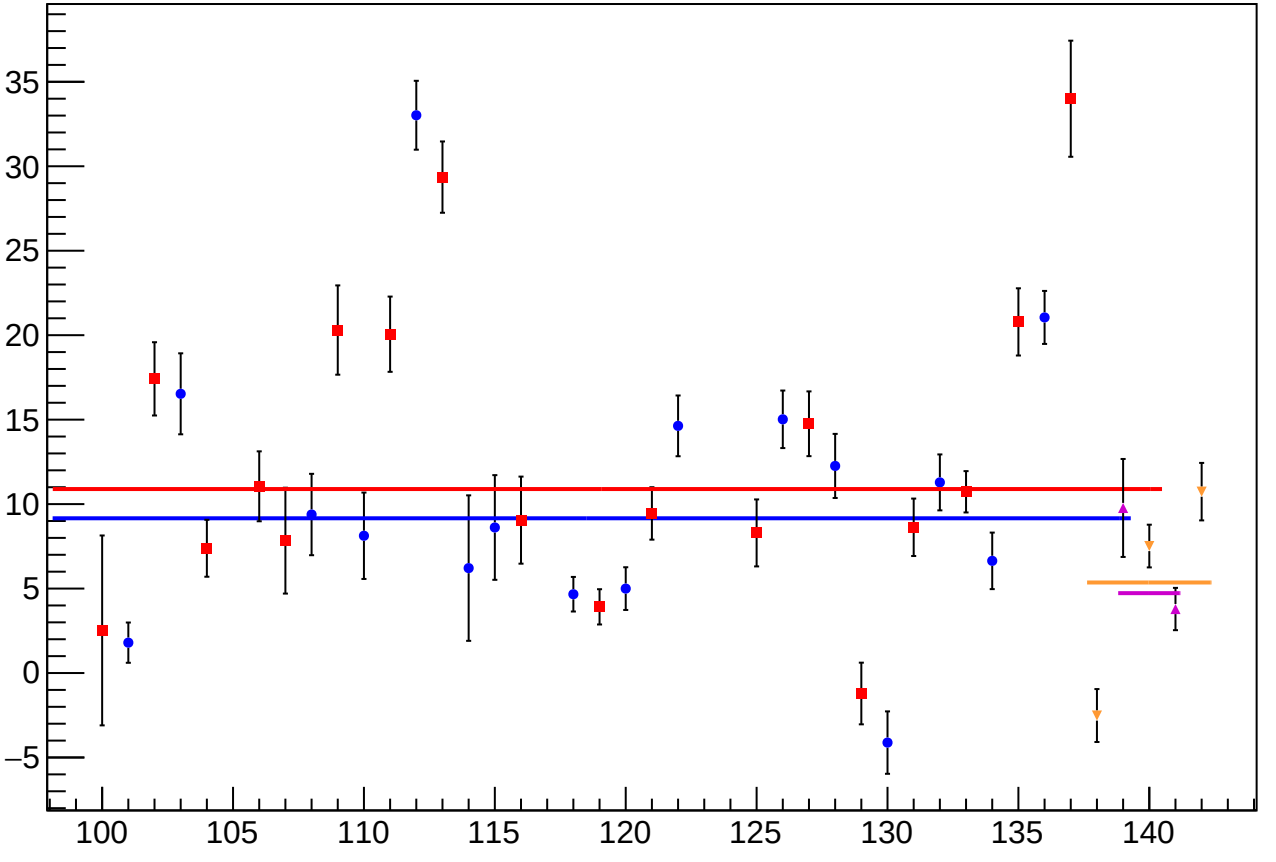
Left In: -85.111+/-1.176 χ^2/NDF:39.7/1

+ sign -72.086+/-0.397 χ^2/NDF: 2021.4/18

All: -73.596+/-0.283 χ^2/NDF: 3729.4/38

- sign -75.164+/-0.404 χ^2/NDF: 1678.5/19

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.360+/-0.852 χ^2/NDF:38.2/2

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

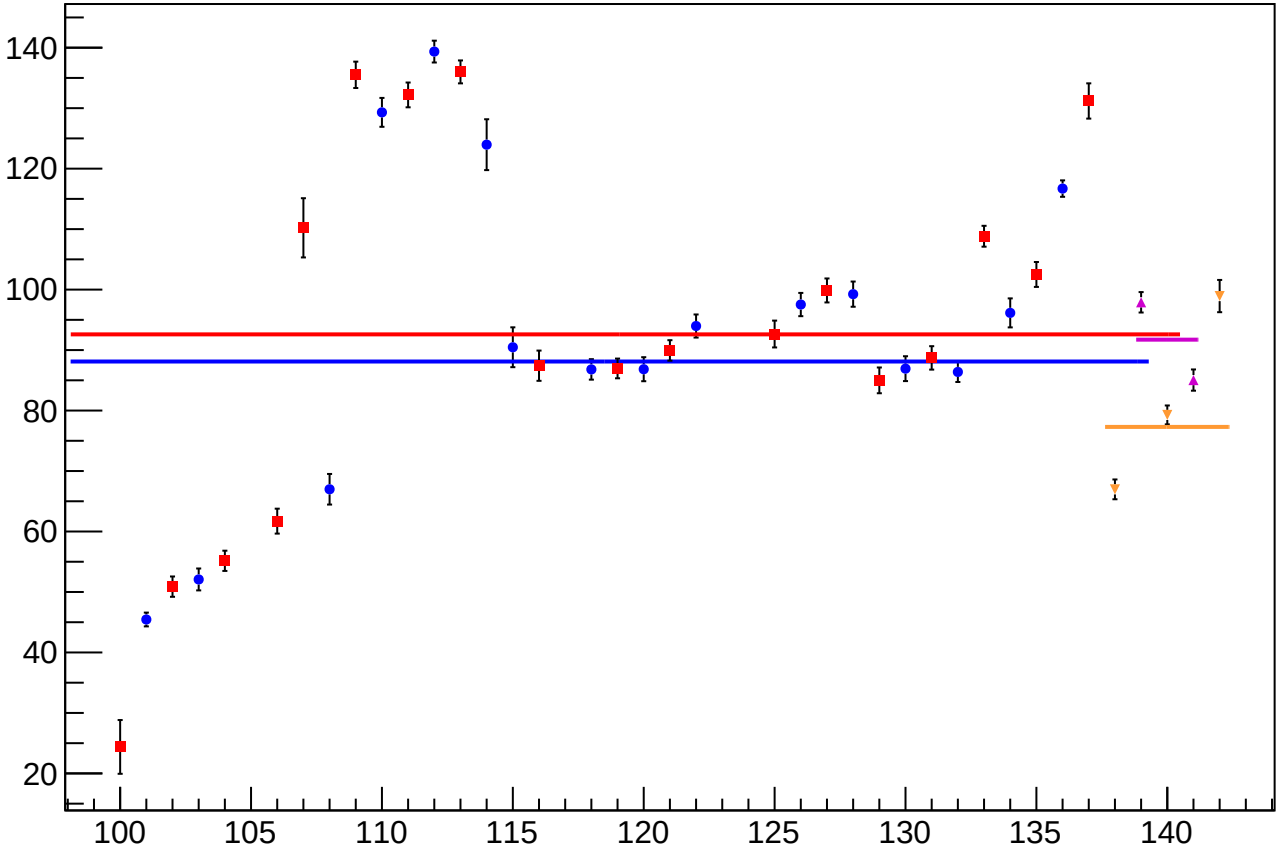
Left In: 4.728+/-1.149 χ^2/NDF:3.6/1

+ sign 8.403+/-0.380 χ^2/NDF: 406.2/18

All: 9.187+/-0.279 χ^2/NDF: 734.3/38

- sign 10.104+/-0.411 χ^2/NDF: 318.9/19

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 77.295+/-1.041 χ^2/NDF:107.2/2

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

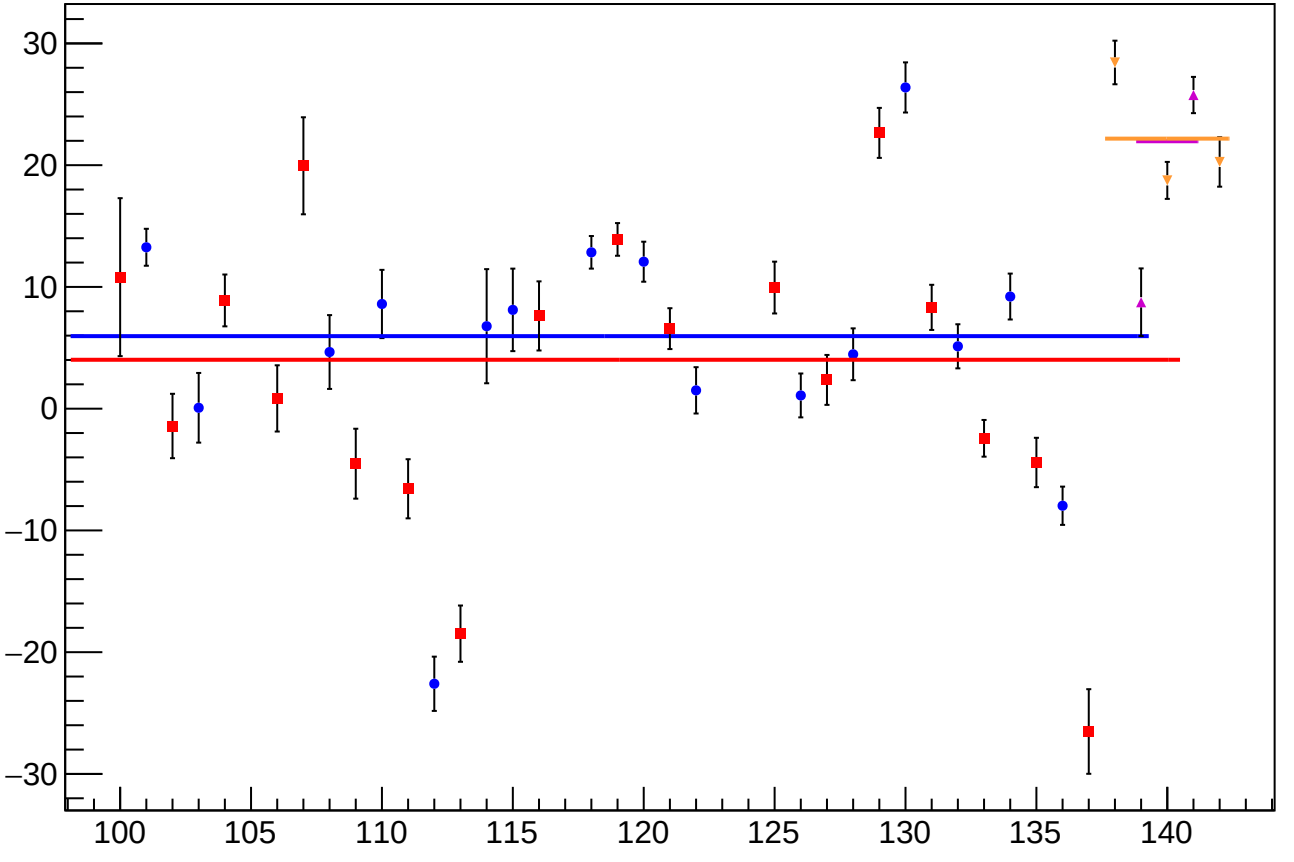
Left In: 91.723+/-1.217 χ^2/NDF:27.9/1

+ sign 86.287+/-0.427 χ^2/NDF: 3758.6/18

All: 89.229+/-0.310 χ^2/NDF: 7097.7/38

- sign 92.478+/-0.449 χ^2/NDF: 3239.3/19

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 22.180+/-1.006 χ^2/NDF:18.2/2

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

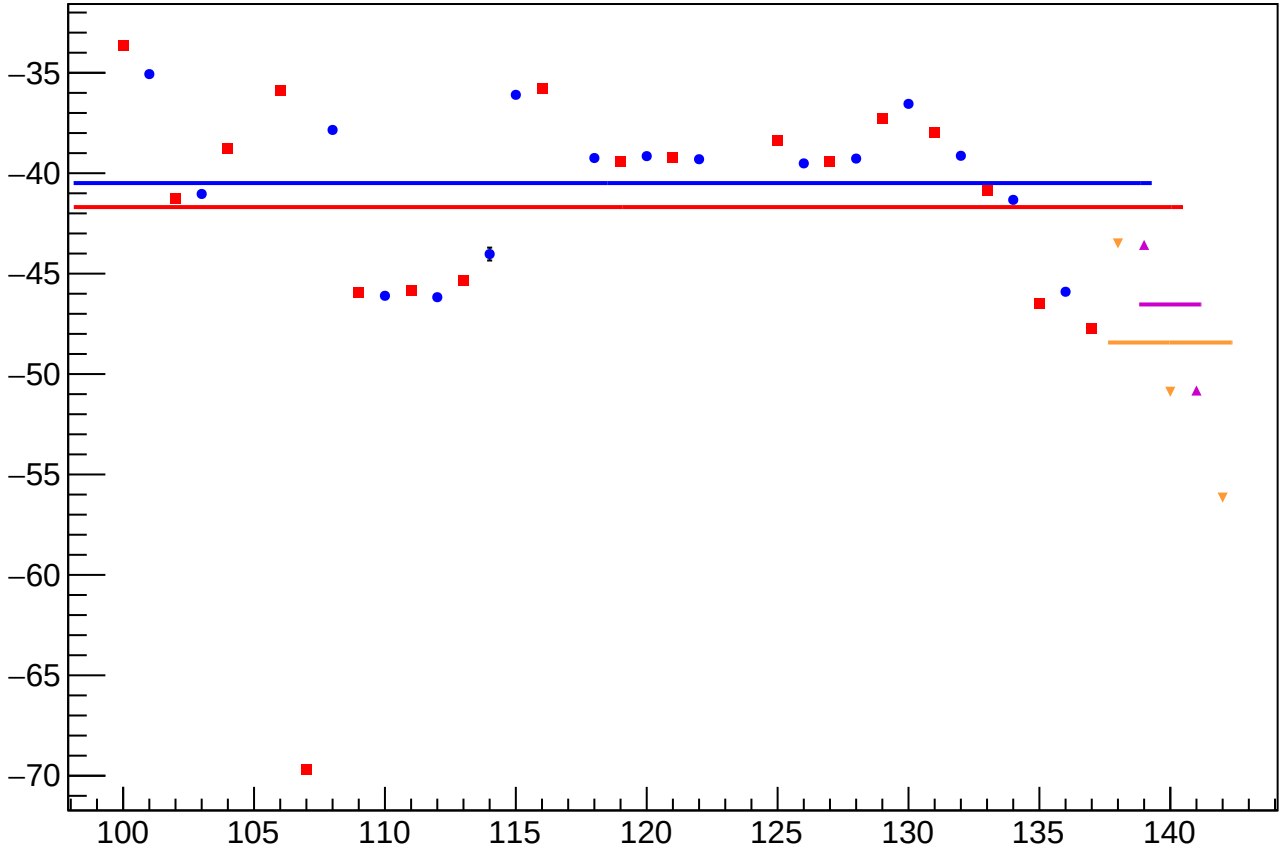
Left In: 21.965+/-1.313 χ^2/NDF:29.1/1

+ sign 9.116+/-0.444 χ^2/NDF: 654.3/18

All: 7.835+/-0.324 χ^2/NDF: 1281.4/38

- sign 6.367+/-0.475 χ^2/NDF: 609.3/19

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -48.430+/-0.044 χ^2/NDF:11902.2/2

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

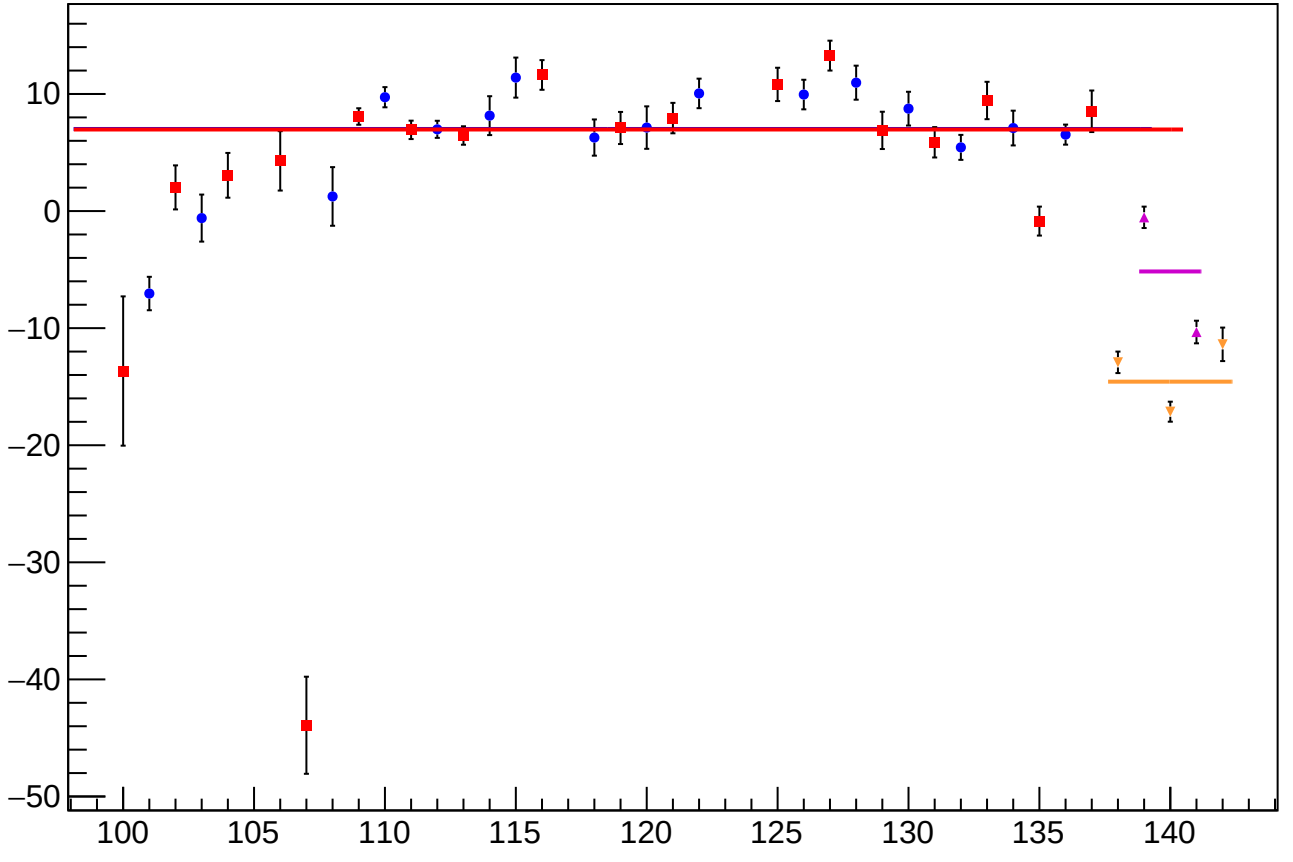
Left In: -46.535+/-0.046 χ^2/NDF:5991.1/1

+ sign -42.835+/-0.024 χ^2/NDF: 53238.8/18

All: -42.952+/-0.017 χ^2/NDF: 104017.1/38

- sign -43.079+/-0.025 χ^2/NDF: 50727.3/19

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -14.569+/-0.573 χ^2/NDF:17.2/2

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

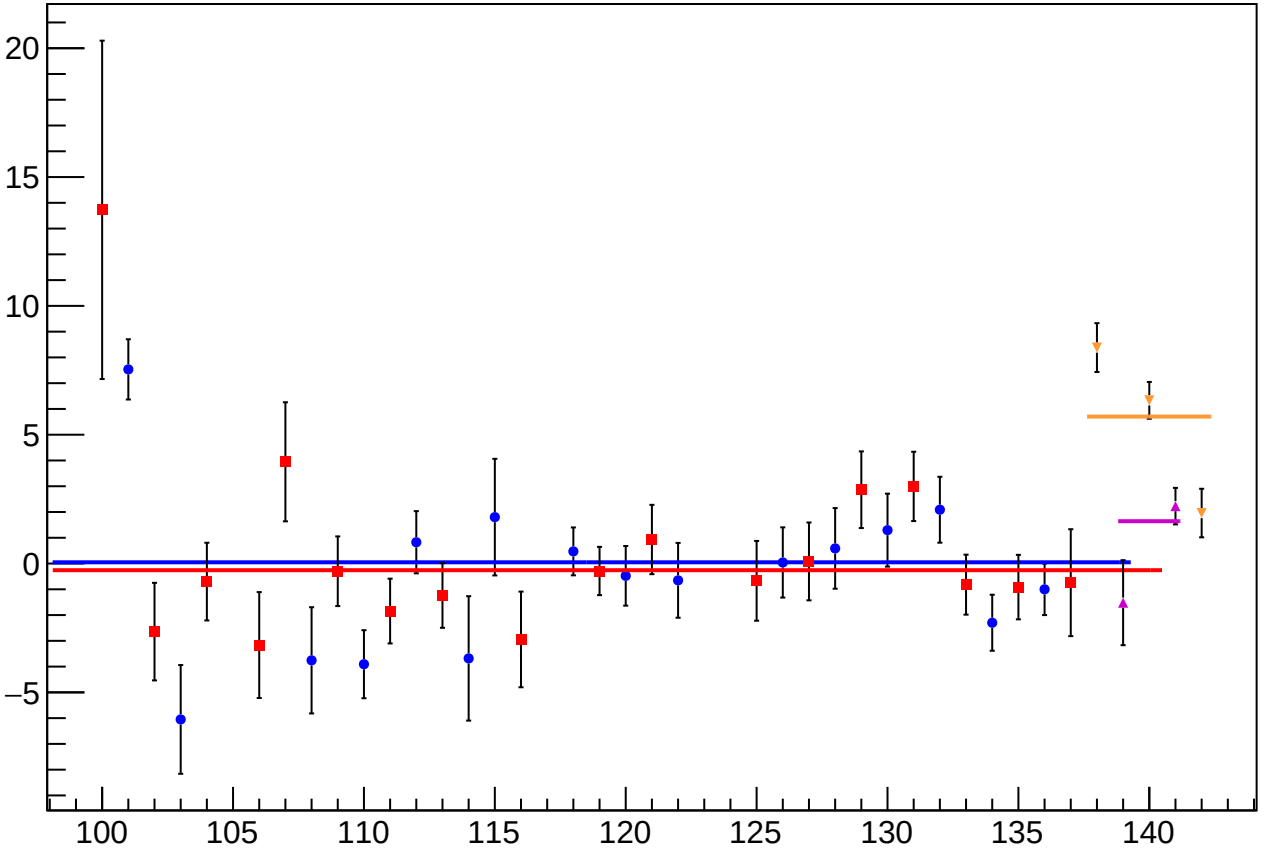
Left In: -5.159+/-0.664 χ^2/NDF:54.3/1

+ sign 2.146+/-0.272 χ^2/NDF: 1271.3/18

All: 3.540+/-0.192 χ^2/NDF: 1921.5/38

- sign 4.931+/-0.272 χ^2/NDF: 597.8/19

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 5.704+/-0.488 χ^2/NDF:24.5/2

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

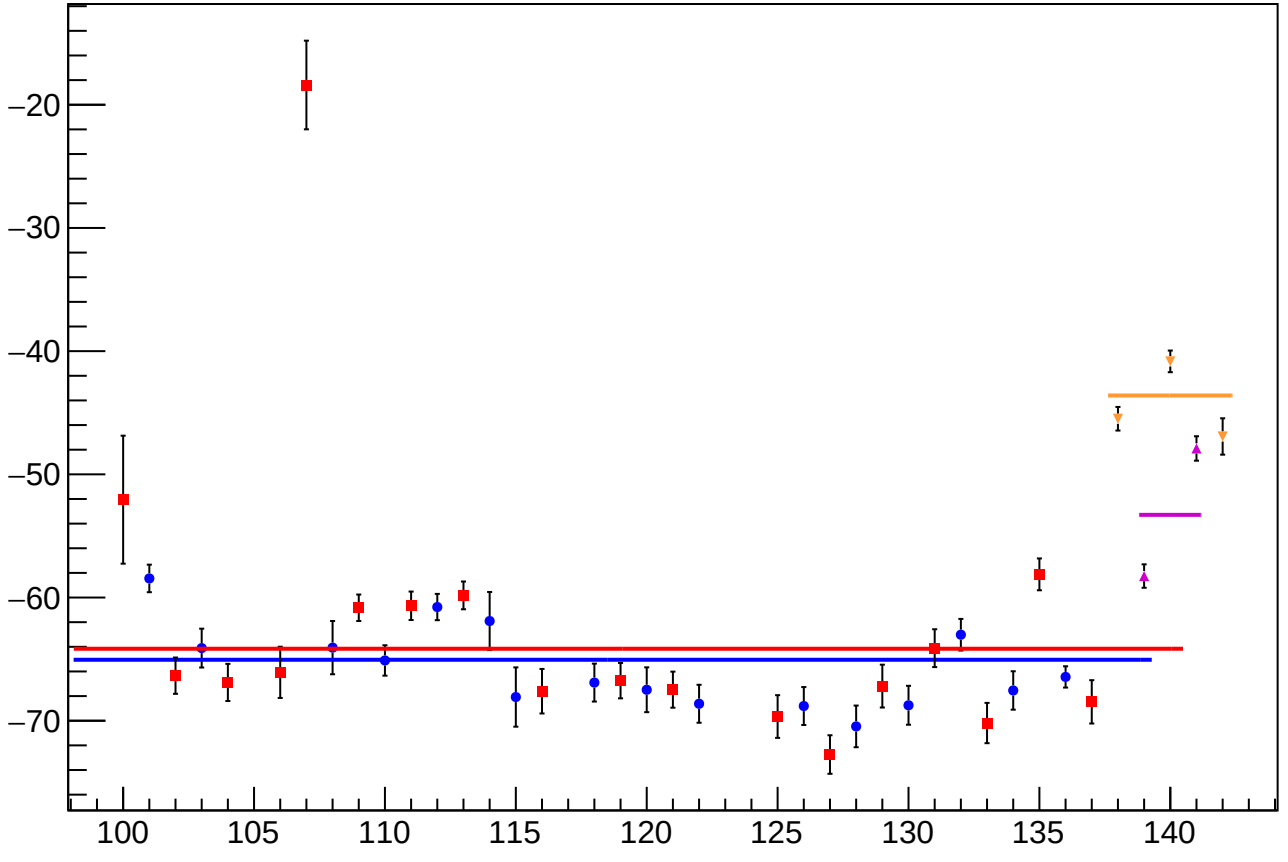
Left In: 1.643+/-0.652 χ^2/NDF:4.4/1

+ sign 1.835+/-0.274 χ^2/NDF: 191.5/18

All: 1.083+/-0.204 χ^2/NDF: 246.8/38

- sign 0.157+/-0.304 χ^2/NDF: 38.5/19

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -43.598+/-0.593 χ^2/NDF:18.9/2

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

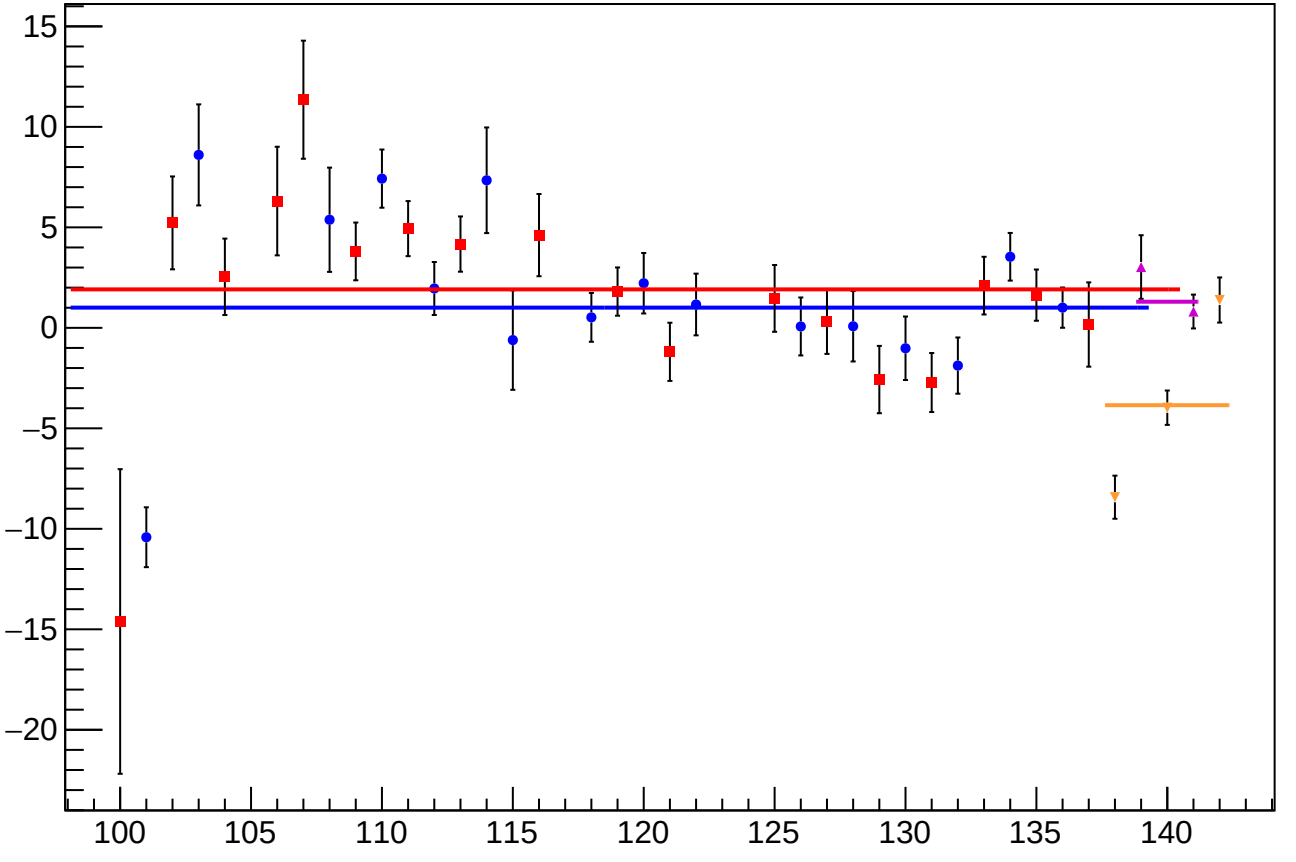
Left In: -53.288+/-0.687 χ^2/NDF:56.8/1

+ sign -59.417+/-0.304 χ^2/NDF: 1076.1/18

All: -60.555+/-0.220 χ^2/NDF: 1662.3/38

- sign -61.808+/-0.319 χ^2/NDF: 556.8/19

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -3.849+/-0.574 χ^2/NDF:40.0/2

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

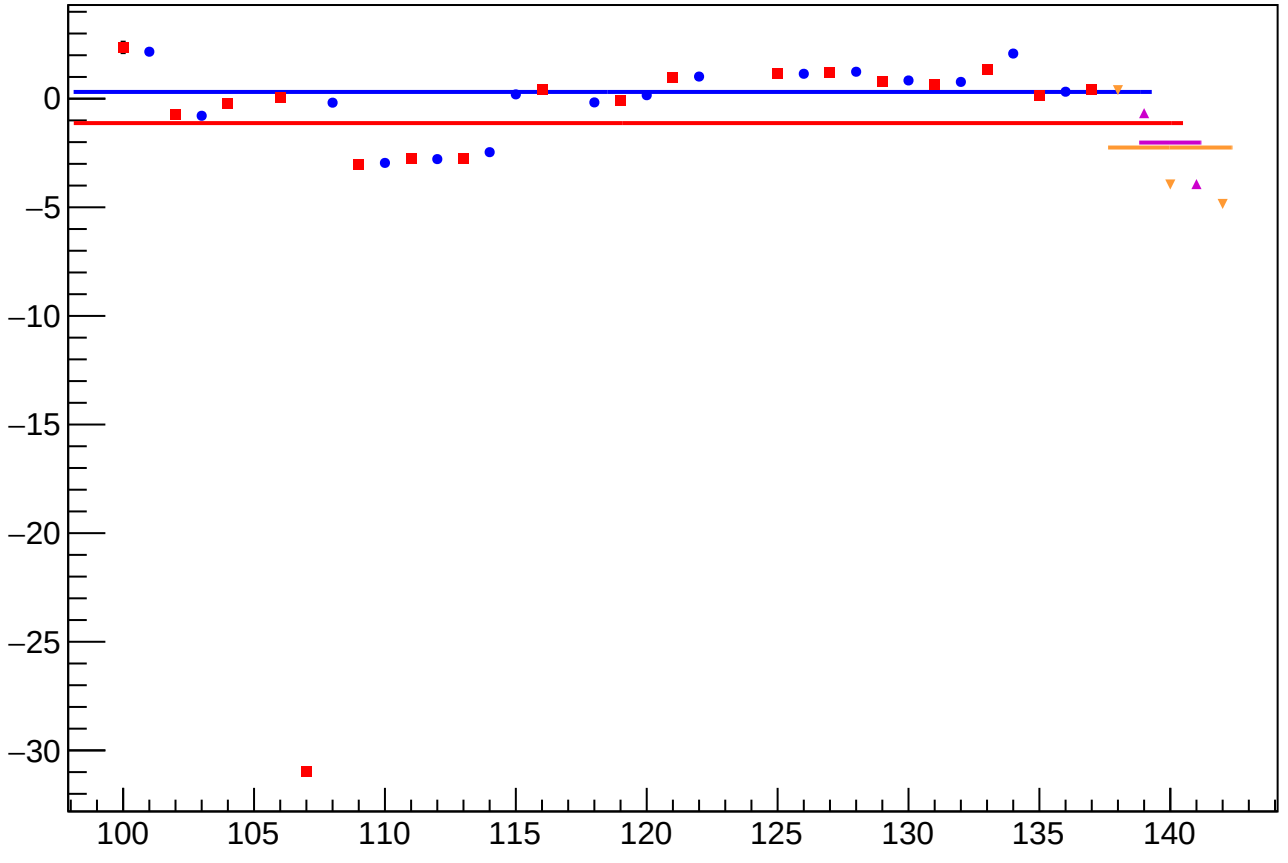
Left In: 1.300+/-0.743 χ^2/NDF:1.5/1

+ sign -0.448+/-0.314 χ^2/NDF: 199.3/18

All: 0.563+/-0.232 χ^2/NDF: 278.6/38

- sign 1.781+/-0.345 χ^2/NDF: 56.5/19

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.248+/-0.025 χ^2/NDF:8611.1/2

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

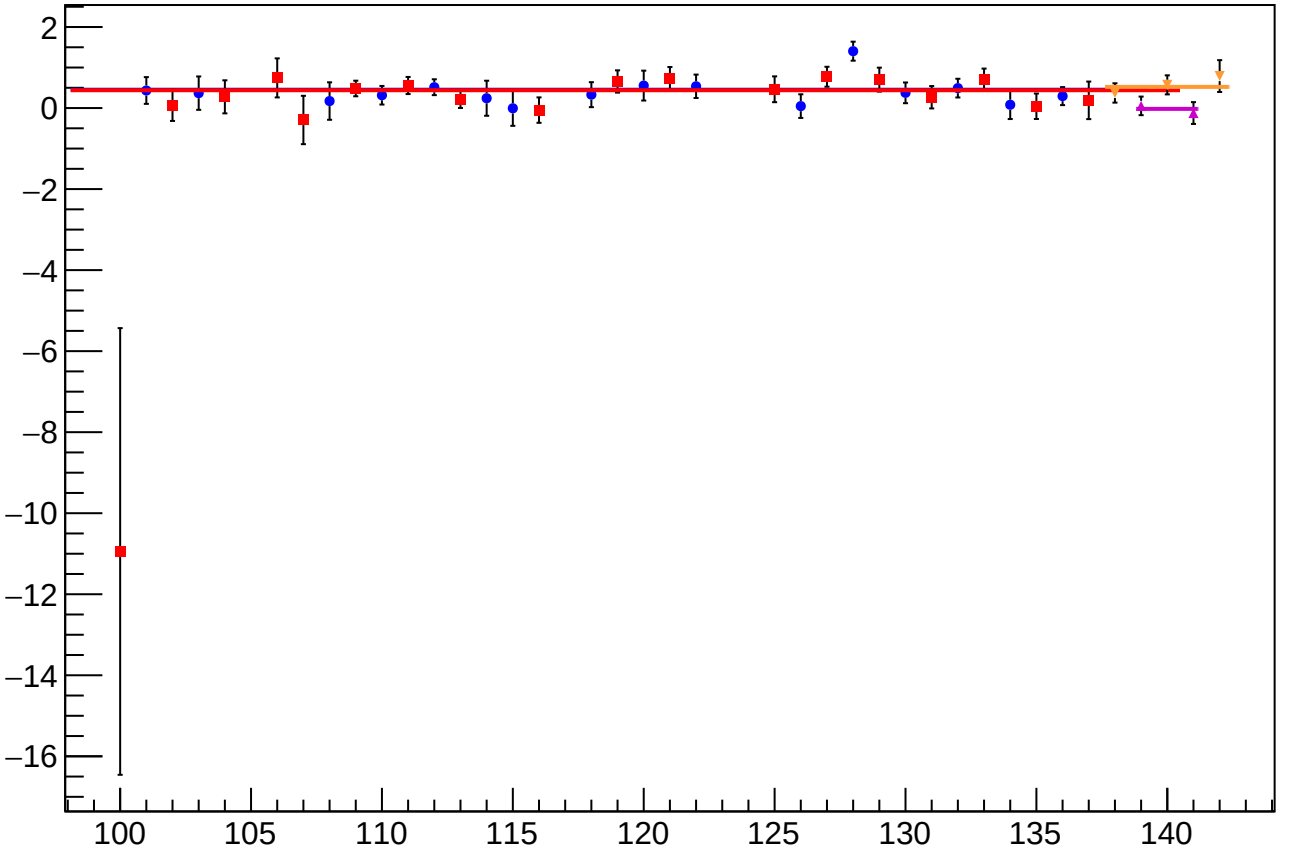
Left In: -2.020+/-0.026 χ^2/NDF:3820.2/1

+ sign -0.763+/-0.016 χ^2/NDF: 19650.8/18

All: -1.113+/-0.012 χ^2/NDF: 71508.5/38

- sign -1.502+/-0.017 χ^2/NDF: 50854.1/19

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.522+/-0.154 χ^2/NDF:0.9/2

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

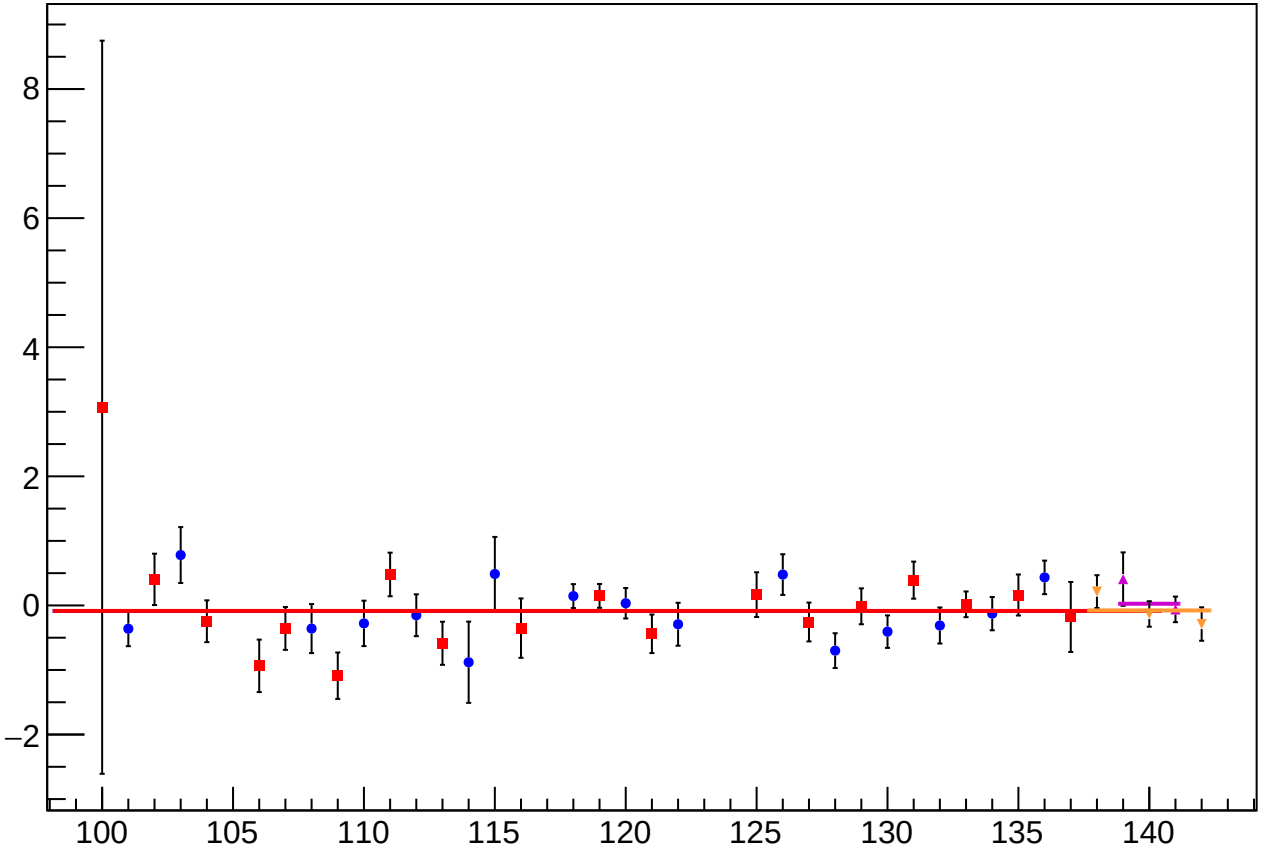
Left In: -0.021+/-0.174 χ^2/NDF:0.2/1

+ sign 0.464+/-0.065 χ^2/NDF: 23.7/18

All: 0.420+/-0.046 χ^2/NDF: 49.5/38

- sign 0.377+/-0.065 χ^2/NDF: 24.8/19

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: -0.078+/-0.133 χ^2/NDF:2.1/2

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

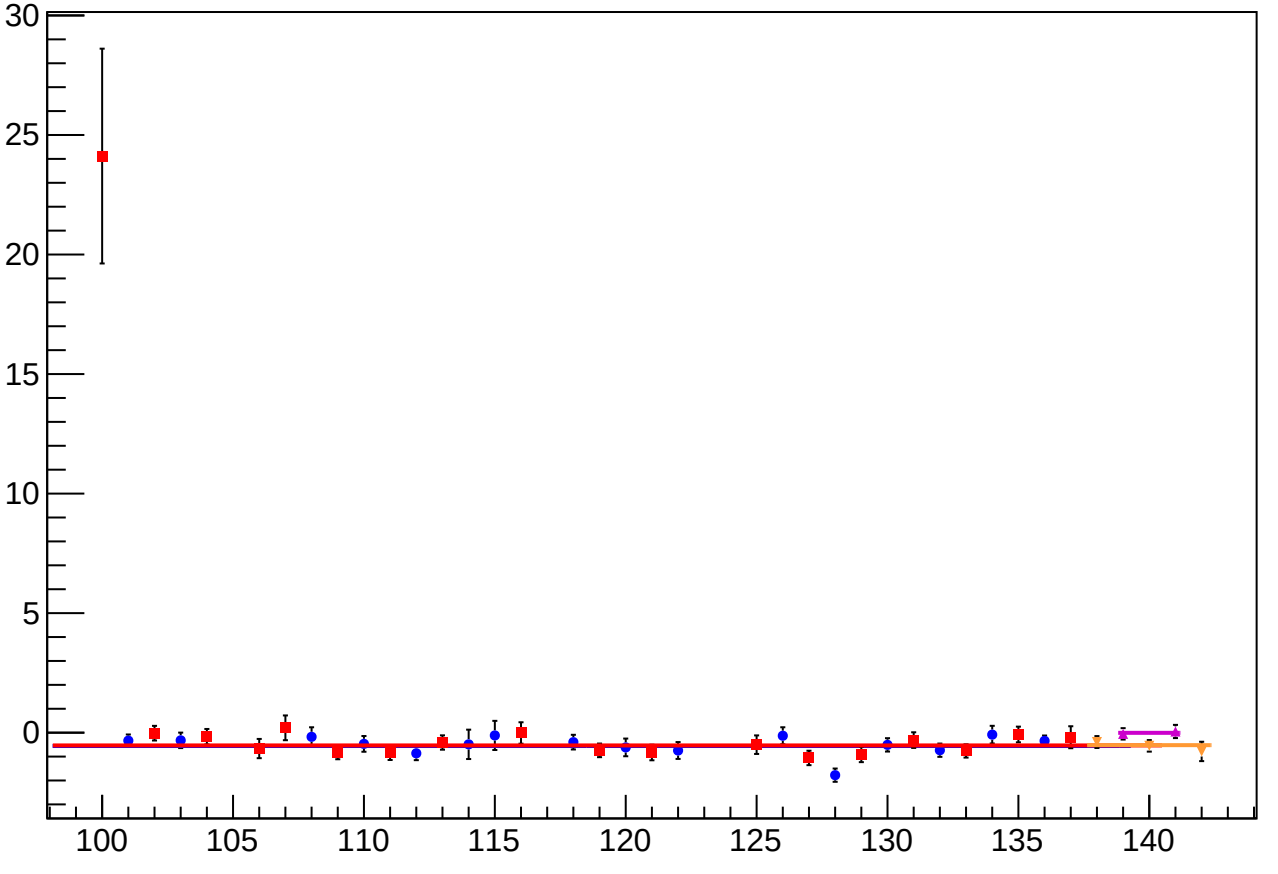
Left In: 0.026+/-0.179 χ^2/NDF:1.0/1

+ sign -0.084+/-0.064 χ^2/NDF: 27.4/18

All: -0.077+/-0.047 χ^2/NDF: 56.7/38

- sign -0.069+/-0.068 χ^2/NDF: 29.3/19

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.522+/-0.160 χ^2/NDF:0.7/2

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

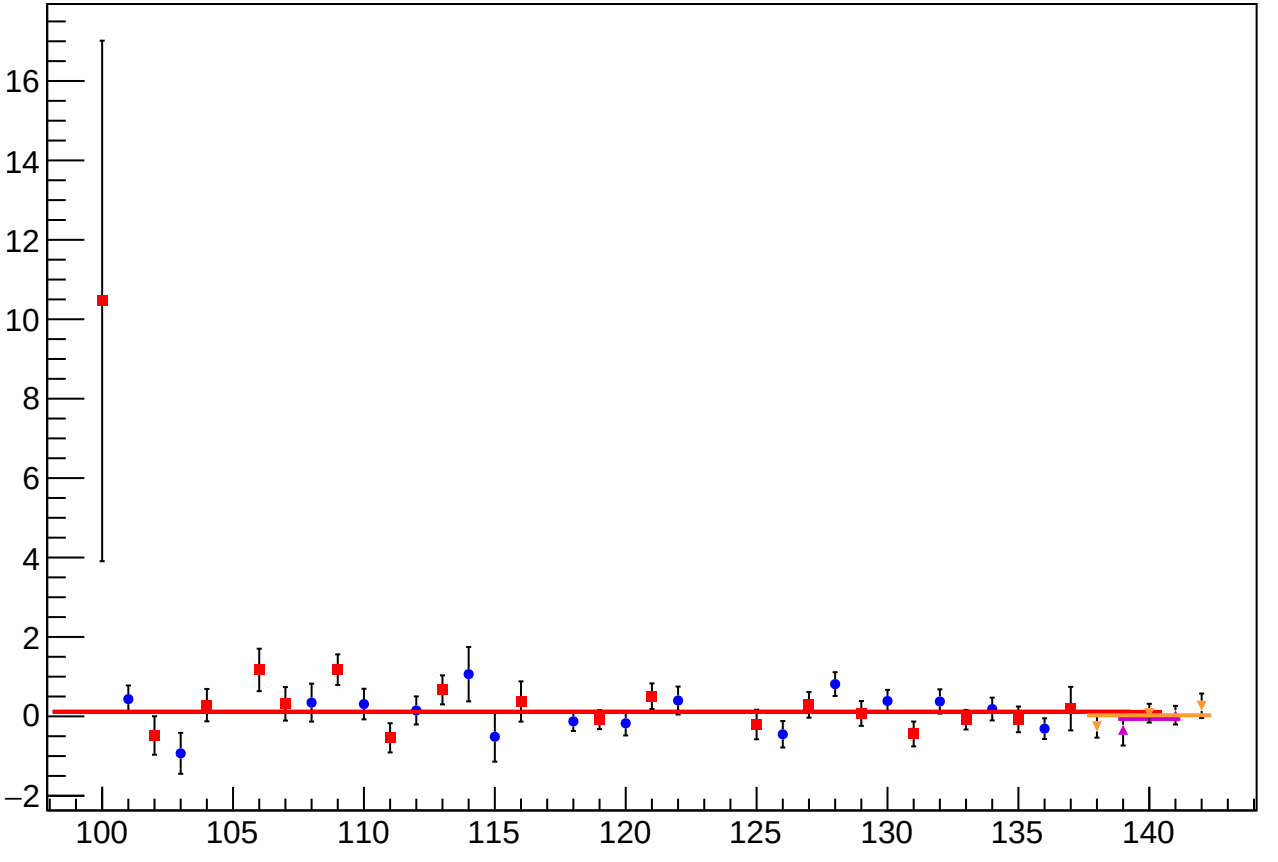
Left In: -0.007+/-0.181 χ^2/NDF:0.1/1

+ sign -0.551+/-0.071 χ^2/NDF: 29.1/18

All: -0.500+/-0.051 χ^2/NDF: 86.5/38

- sign -0.446+/-0.074 χ^2/NDF: 56.3/19

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: 0.028+/-0.157 χ^2/NDF:1.6/2

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

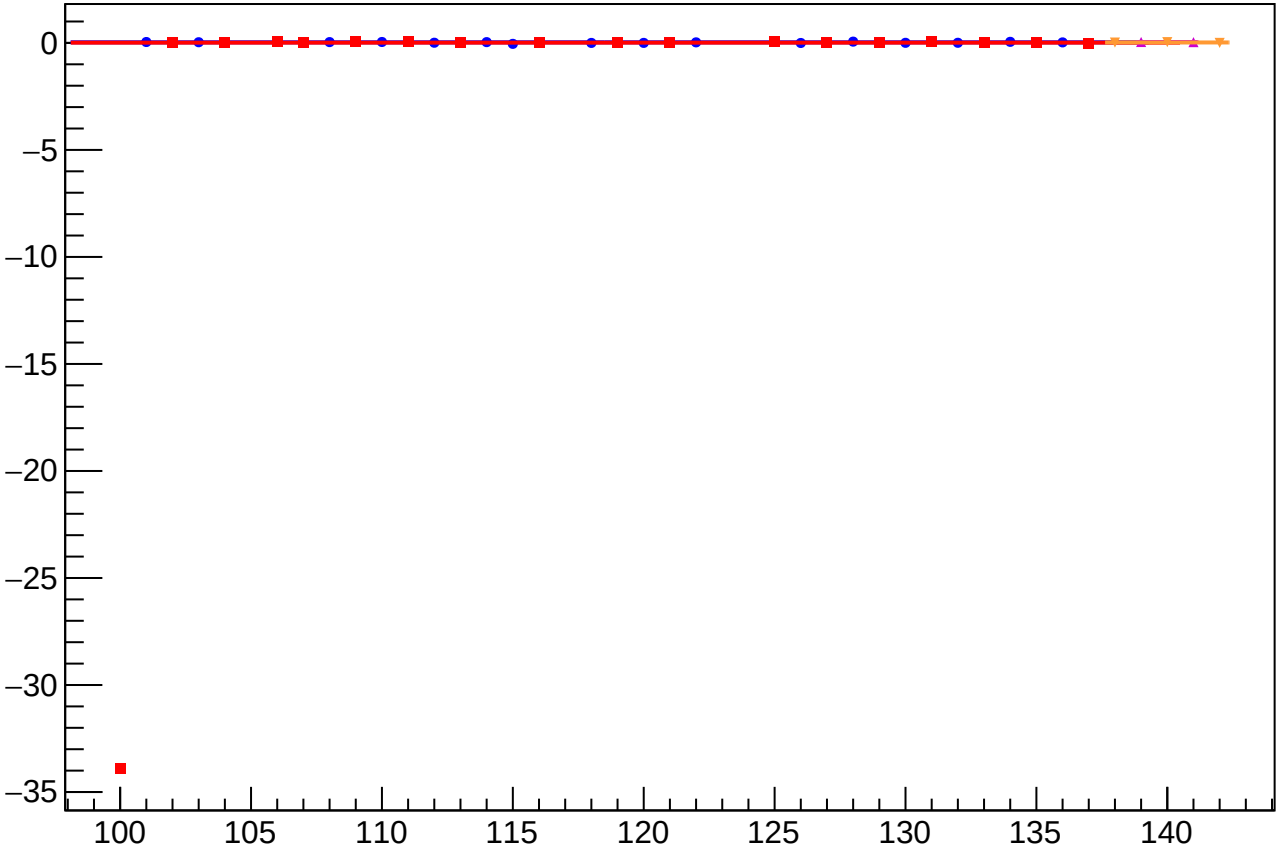
Left In: -0.065+/-0.202 χ^2/NDF:0.6/1

+ sign 0.098+/-0.074 χ^2/NDF: 25.5/18

All: 0.092+/-0.054 χ^2/NDF: 55.8/38

- sign 0.085+/-0.078 χ^2/NDF: 30.3/19

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.021+/-0.007 χ^2/NDF:3.7/2

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

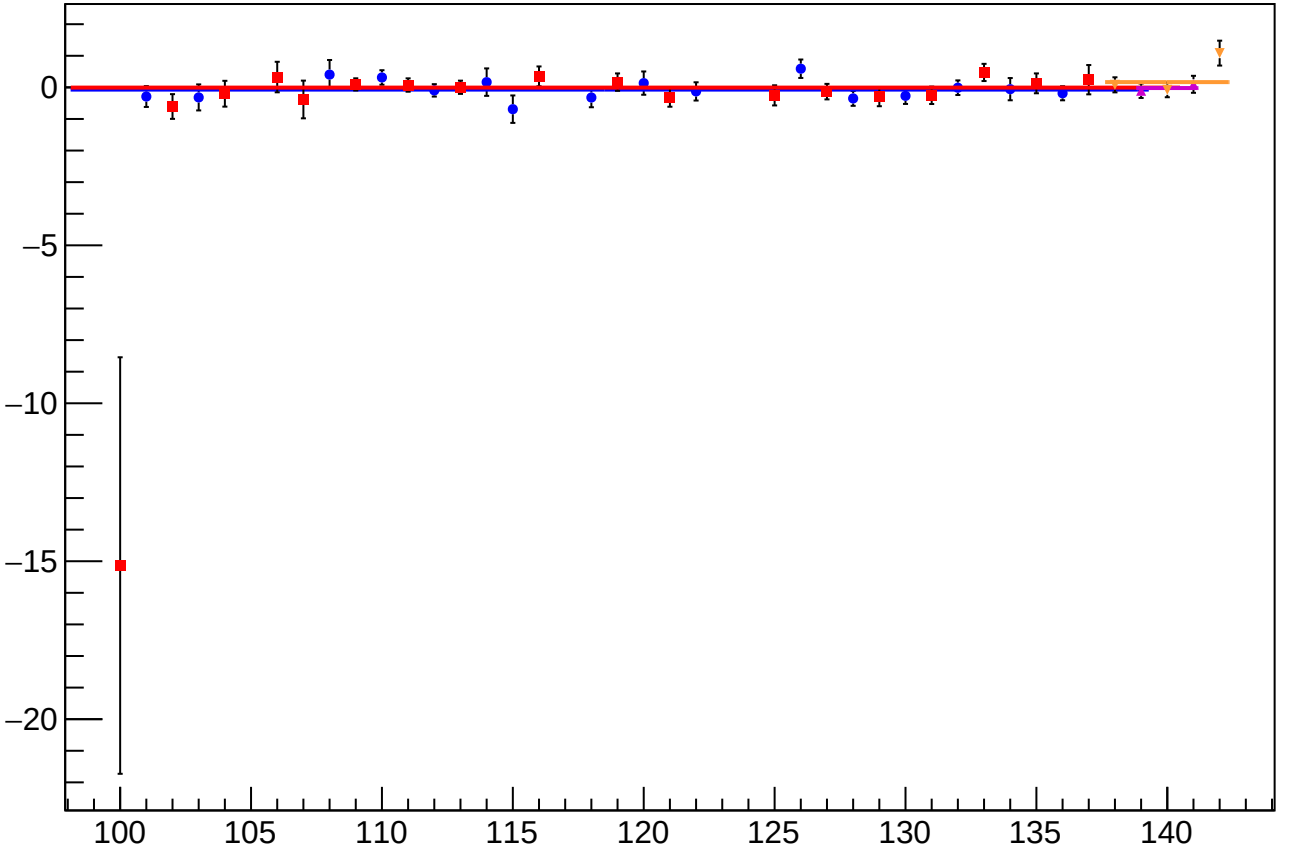
Left In: 0.040+/-0.007 χ^2/NDF:0.2/1

+ sign 0.025+/-0.004 χ^2/NDF: 19.1/18

All: 0.023+/-0.003 χ^2/NDF: 22293.3/38

- sign 0.021+/-0.004 χ^2/NDF: 22273.8/19

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.167+/-0.154 χ^2/NDF:6.6/2

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

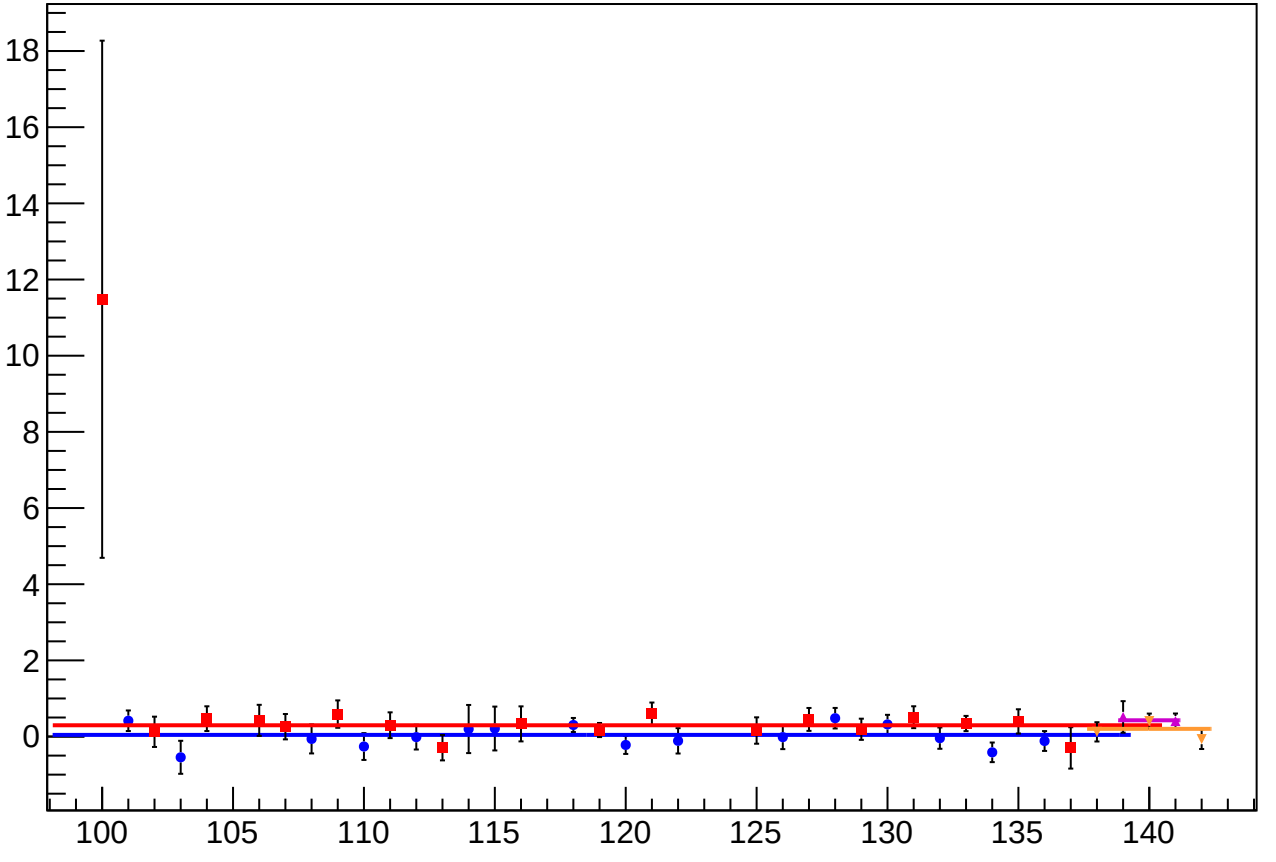
Left In: -0.021+/-0.174 χ^2/NDF:0.3/1

+ sign -0.028+/-0.065 χ^2/NDF: 24.1/18

All: -0.019+/-0.046 χ^2/NDF: 42.6/38

- sign -0.009+/-0.065 χ^2/NDF: 18.5/19

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.202+/-0.134 χ^2/NDF:2.2/2

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

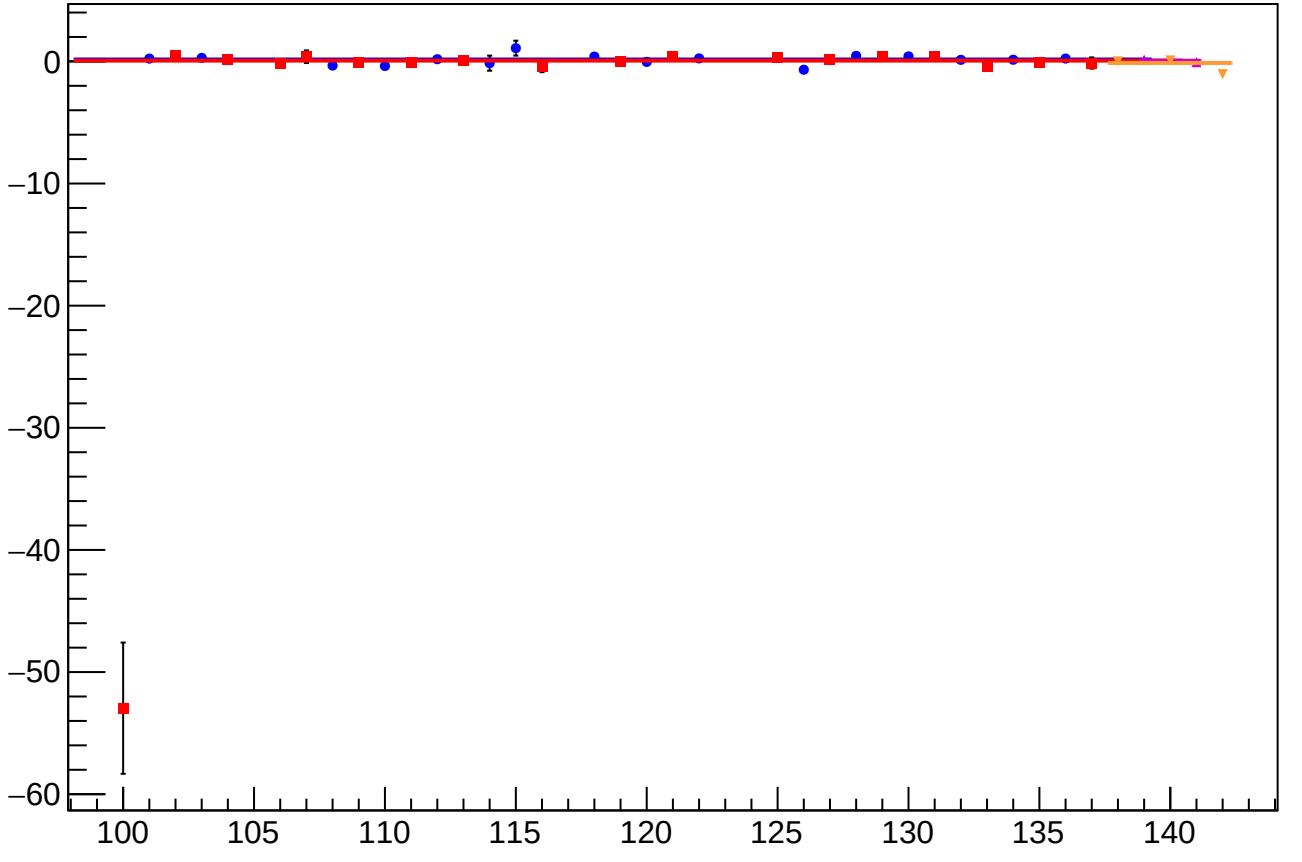
Left In: 0.427+/-0.179 χ^2/NDF:0.1/1

+ sign 0.080+/-0.064 χ^2/NDF: 19.0/18

All: 0.191+/-0.047 χ^2/NDF: 36.9/38

- sign 0.315+/-0.068 χ^2/NDF: 11.5/19

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.127+/-0.160 χ^2/NDF:6.1/2

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

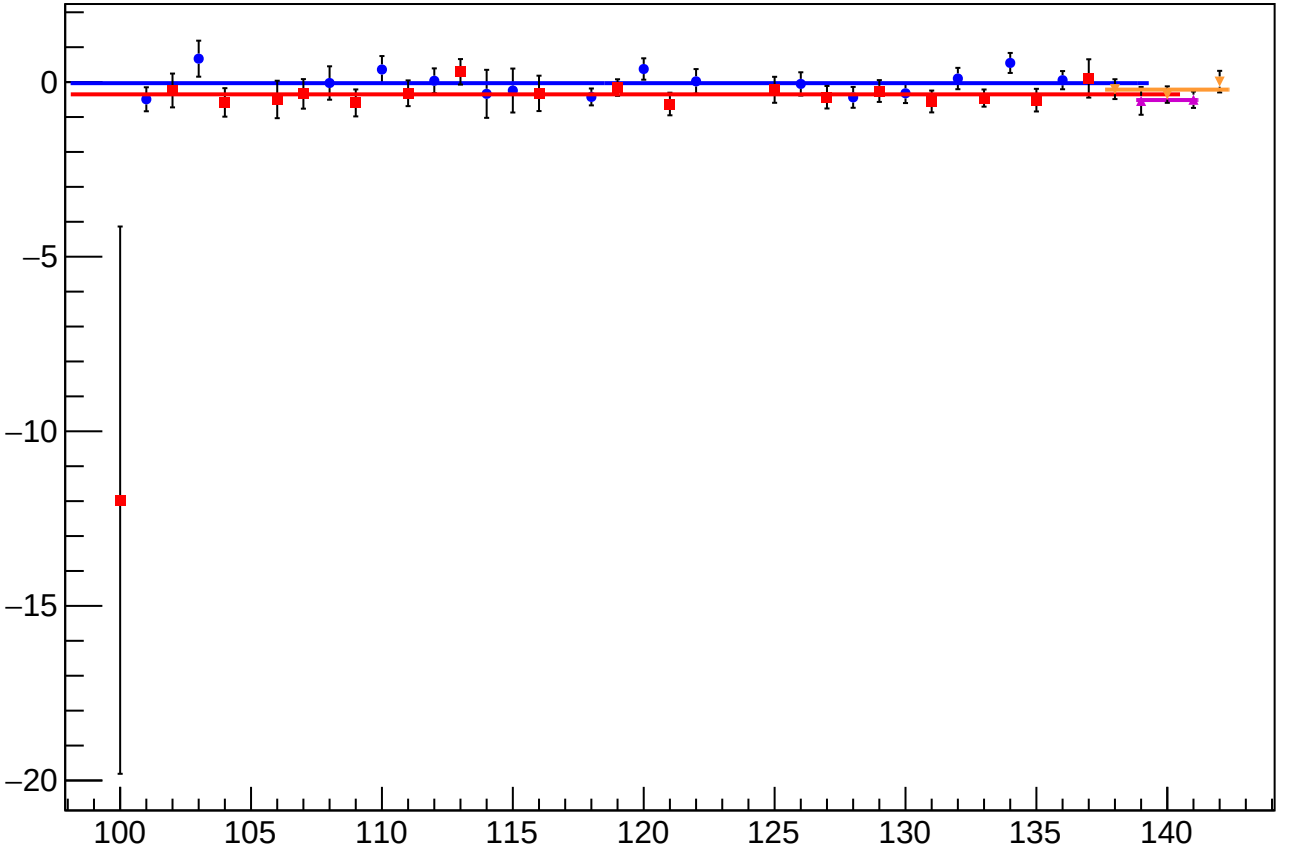
Left In: 0.055+/-0.180 χ^2/NDF:0.3/1

+ sign 0.098+/-0.071 χ^2/NDF: 24.2/18

All: 0.081+/-0.051 χ^2/NDF: 133.9/38

- sign 0.064+/-0.074 χ^2/NDF: 109.6/19

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.215+/-0.157 χ^2/NDF:0.9/2

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

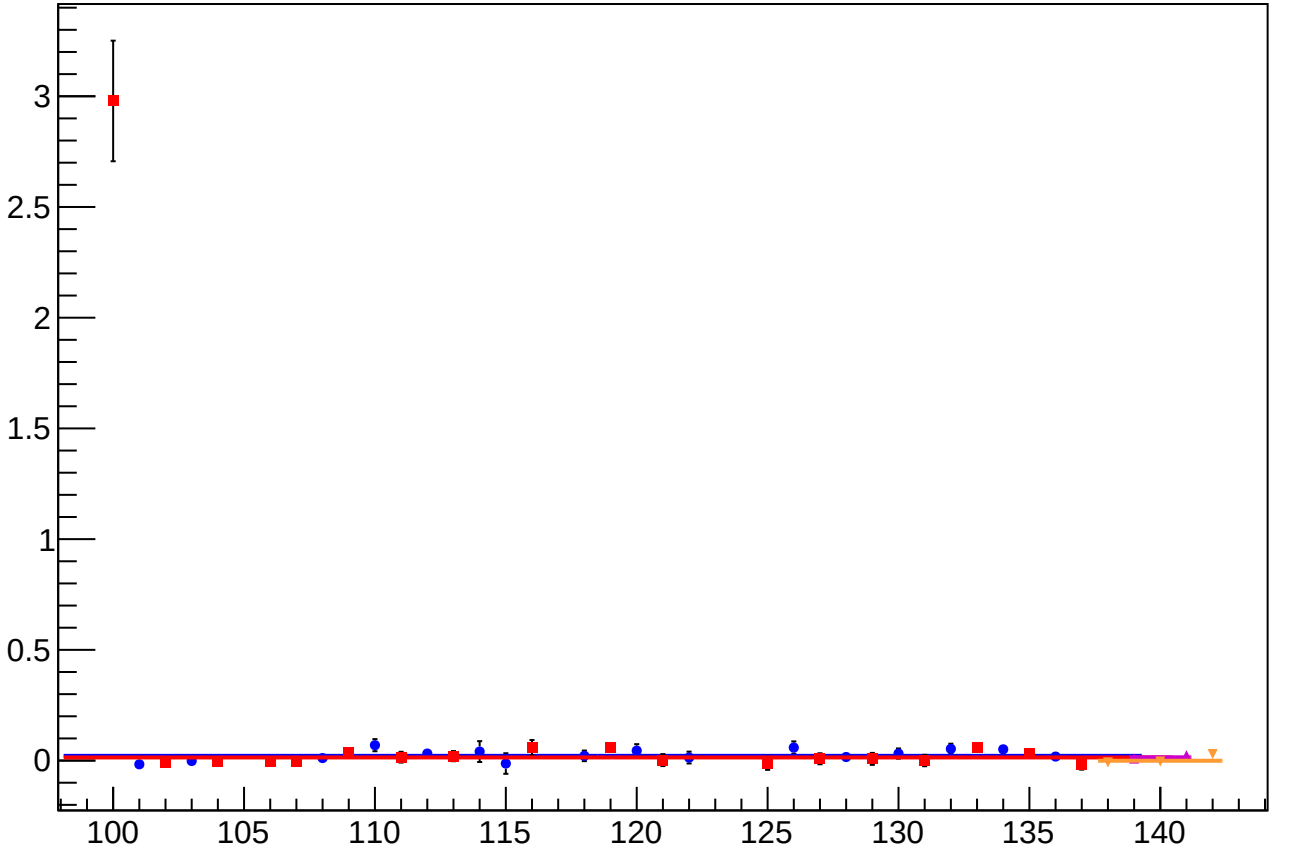
Left In: -0.513+/-0.202 χ^2/NDF:0.0/1

+ sign -0.071+/-0.074 χ^2/NDF: 18.8/18

All: -0.214+/-0.054 χ^2/NDF: 36.7/38

- sign -0.375+/-0.078 χ^2/NDF: 10.0/19

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.007 χ^2/NDF:4.0/2

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

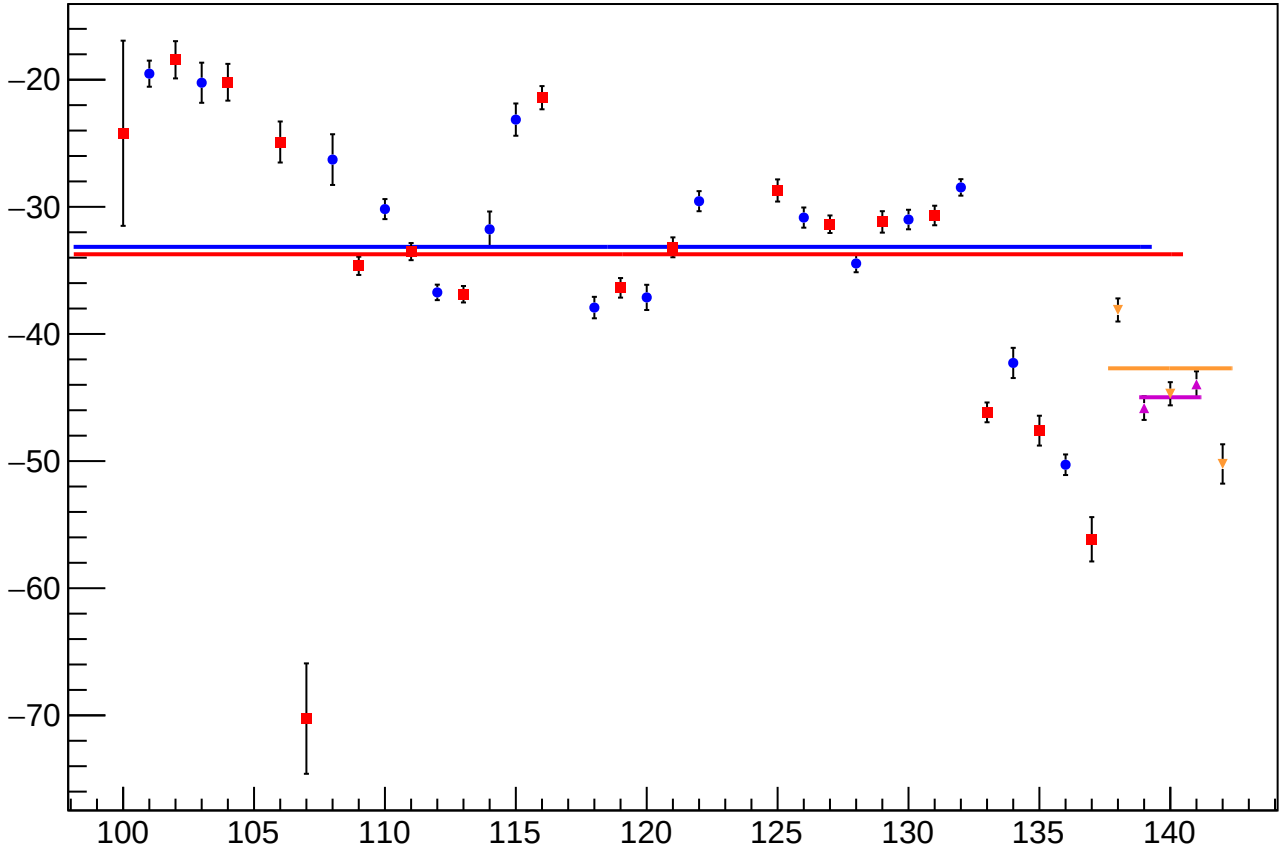
Left In: 0.015+/-0.007 χ^2/NDF:1.2/1

+ sign 0.014+/-0.004 χ^2/NDF: 33.7/18

All: 0.014+/-0.003 χ^2/NDF: 175.8/38

- sign 0.014+/-0.004 χ^2/NDF: 142.1/19

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -42.702+/-0.594 χ^2/NDF:53.9/2

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

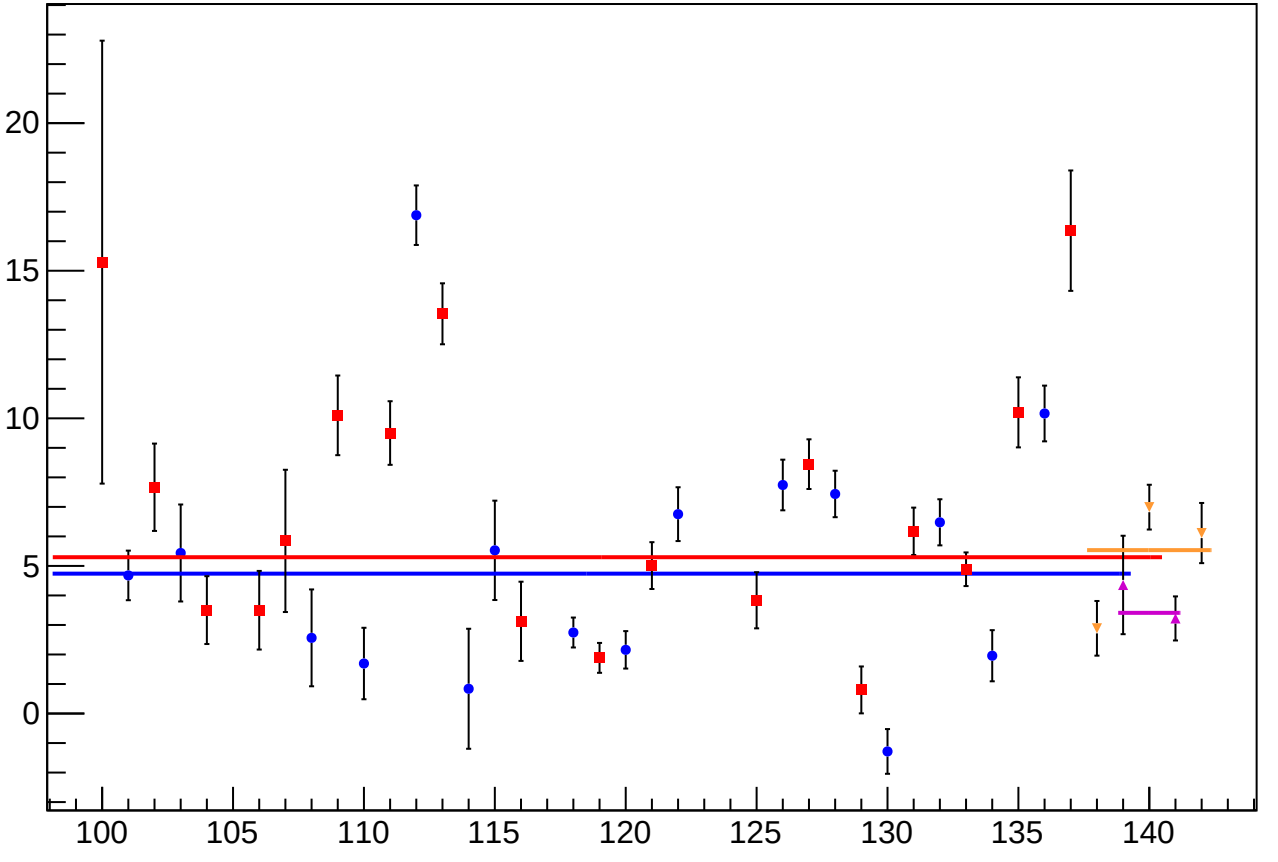
Left In: -44.978+/-0.688 χ^2/NDF:1.8/1

+ sign -34.280+/-0.205 χ^2/NDF: 1295.5/18

All: -34.505+/-0.145 χ^2/NDF: 2691.9/38

- sign -34.730+/-0.205 χ^2/NDF: 1394.0/19

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 5.535+/-0.508 χ^2/NDF:12.2/2

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

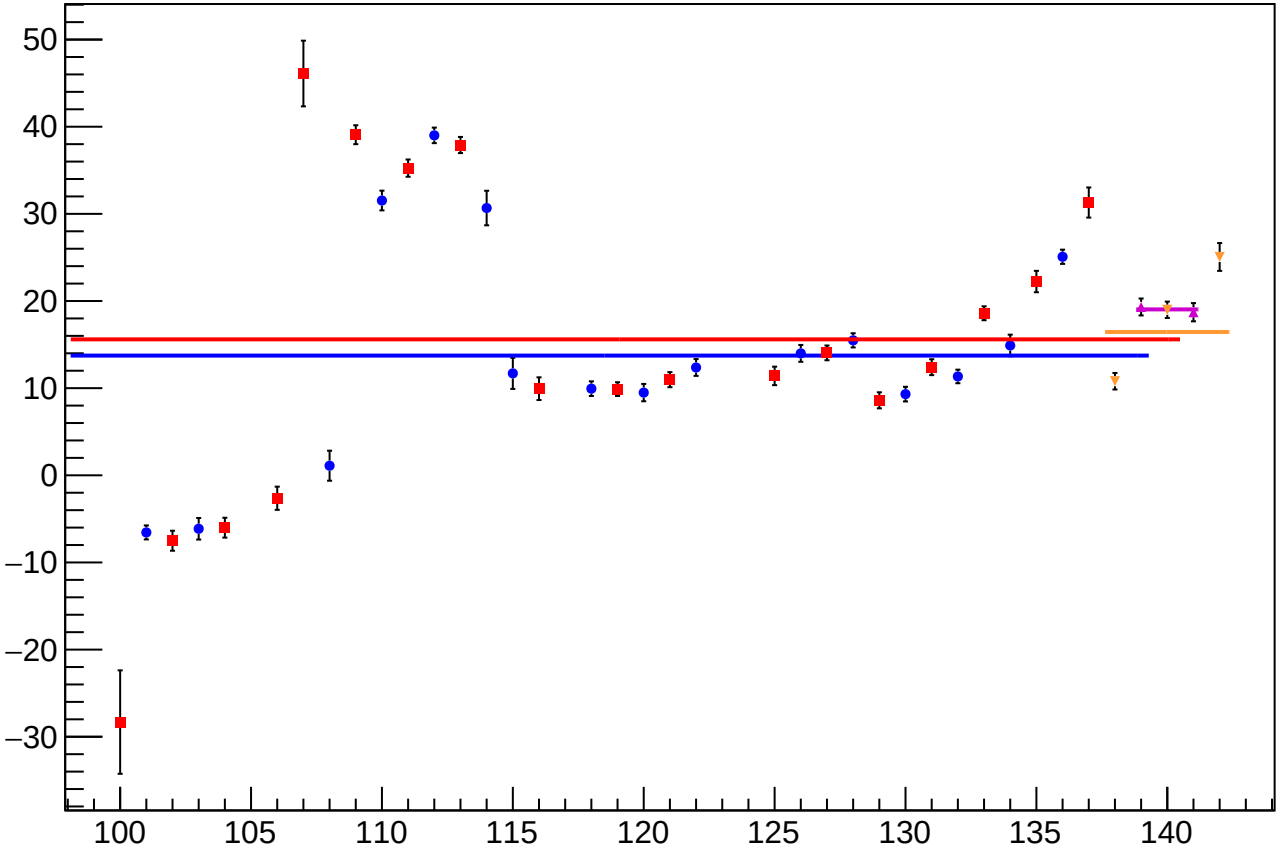
Left In: 3.411+/-0.681 χ^2/NDF:0.4/1

+ sign 4.863+/-0.201 χ^2/NDF: 343.8/18

All: 4.981+/-0.146 χ^2/NDF: 596.9/38

- sign 5.112+/-0.212 χ^2/NDF: 252.3/19

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 16.449+/-0.615 χ^2/NDF:71.9/2

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

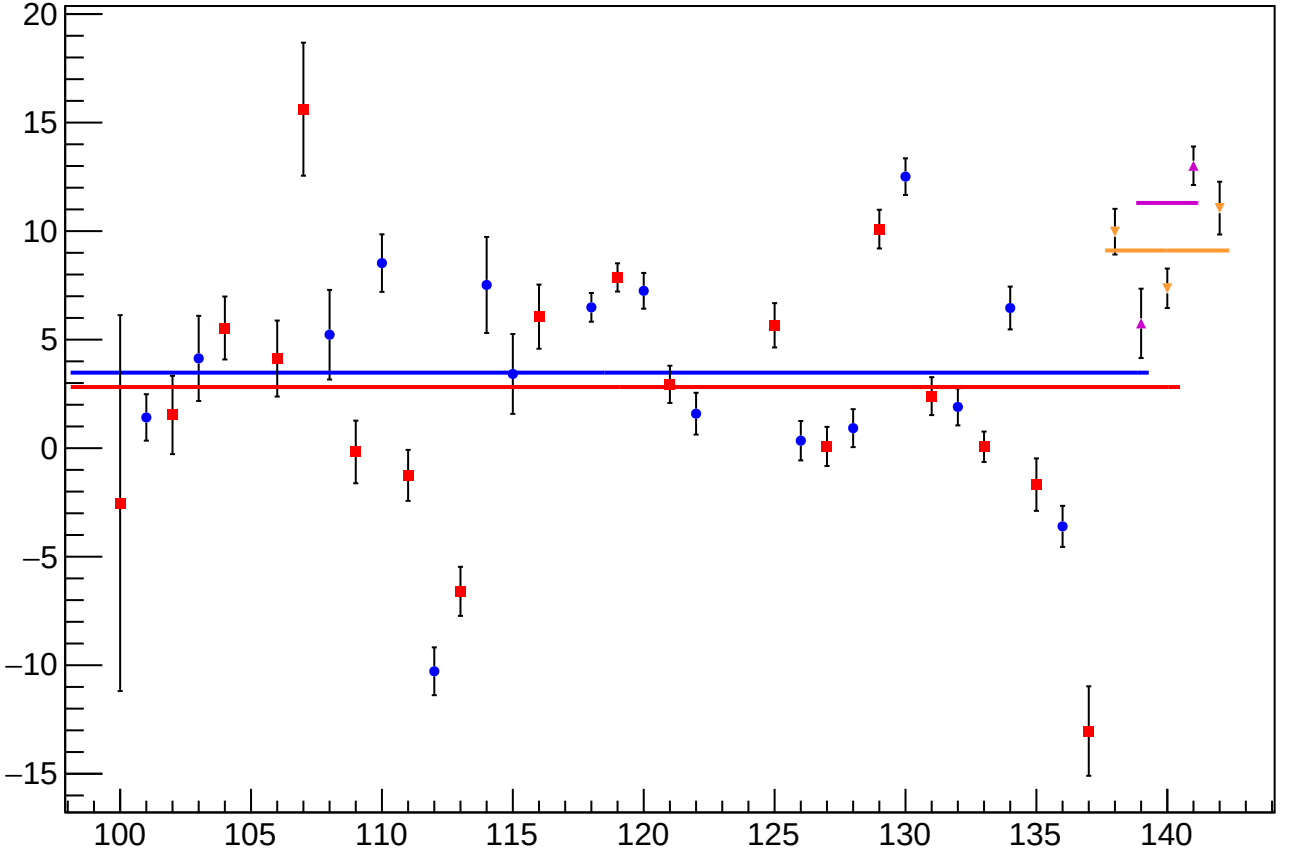
Left In: 19.038+/-0.712 χ^2/NDF:0.2/1

\+ sign 14.113+/-0.229 χ^2/NDF: 2438.4/18

All: 15.017+/-0.164 χ^2/NDF: 5317.8/38

\- sign 15.977+/-0.236 χ^2/NDF: 2847.2/19

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.107+/-0.599 χ^2/NDF:6.9/2

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

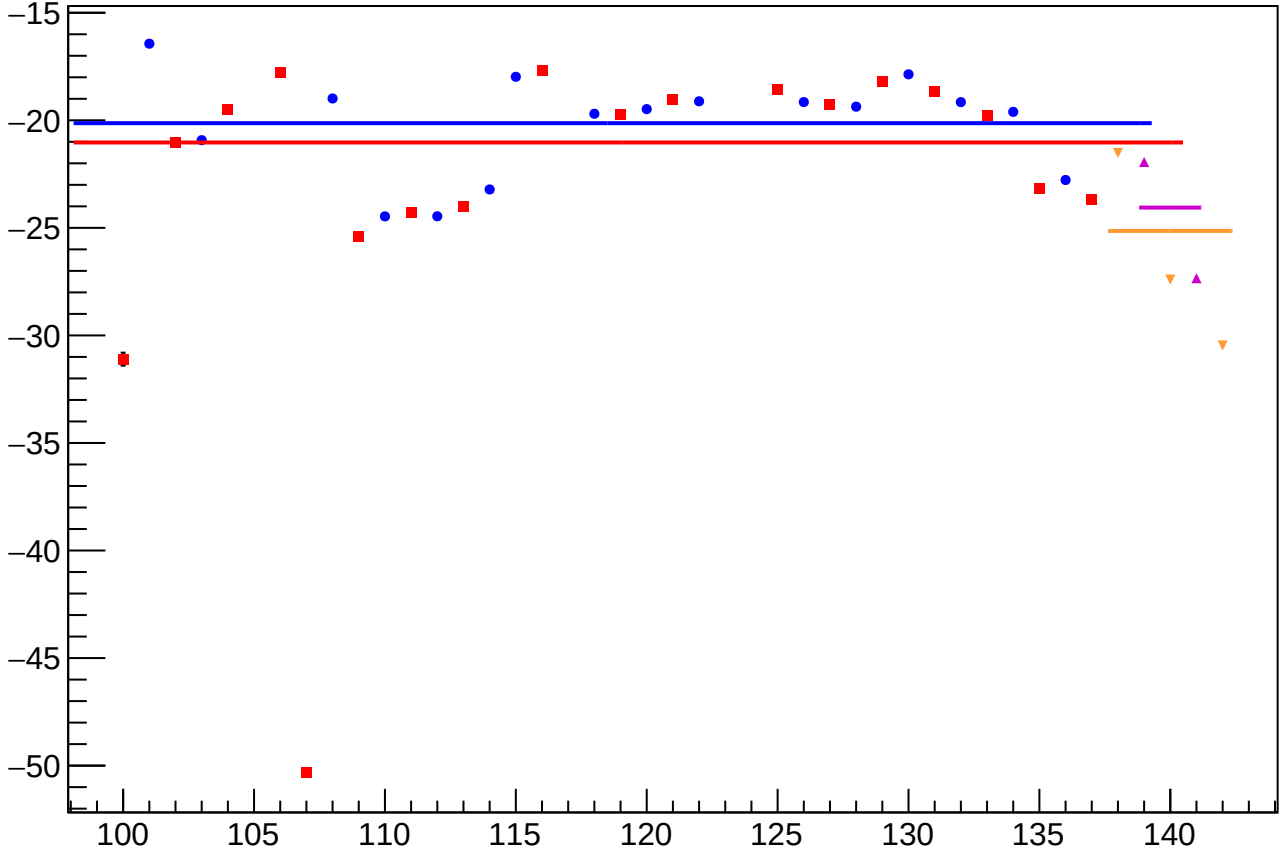
Left In: 11.298+/-0.776 χ^2/NDF:15.8/1

+ sign 4.335+/-0.234 χ^2/NDF: 509.4/18

All: 4.011+/-0.169 χ^2/NDF: 982.1/38

- sign 3.657+/-0.244 χ^2/NDF: 468.7/19

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -25.142+/-0.026 χ^2/NDF:18794.7/2

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

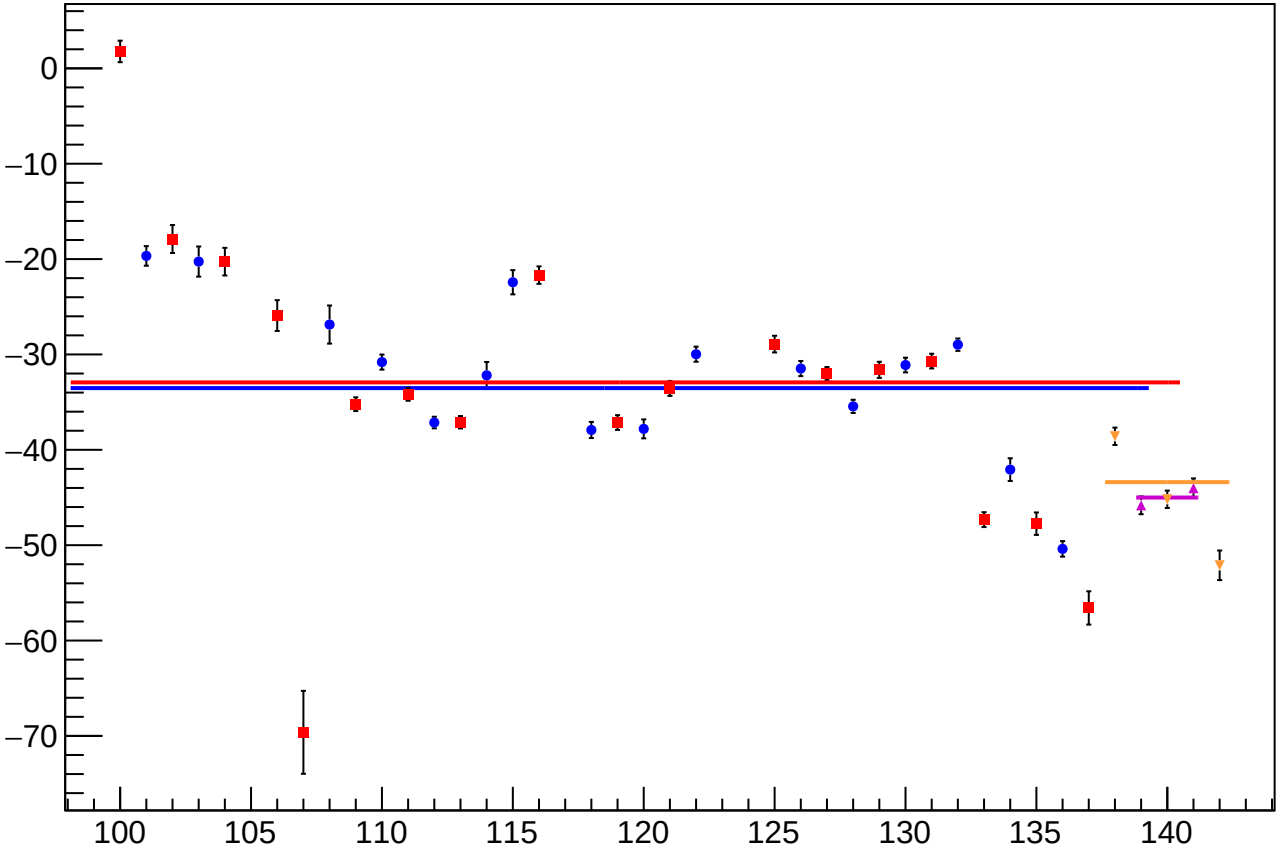
Left In: -24.058+/-0.027 χ^2/NDF:9666.8/1

+ sign -21.532+/-0.014 χ^2/NDF: 65937.6/18

All: -21.689+/-0.010 χ^2/NDF: 142651.1/38

- sign -21.857+/-0.014 χ^2/NDF: 76435.4/19

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -43.388+/-0.595 χ^2/NDF:63.4/2

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

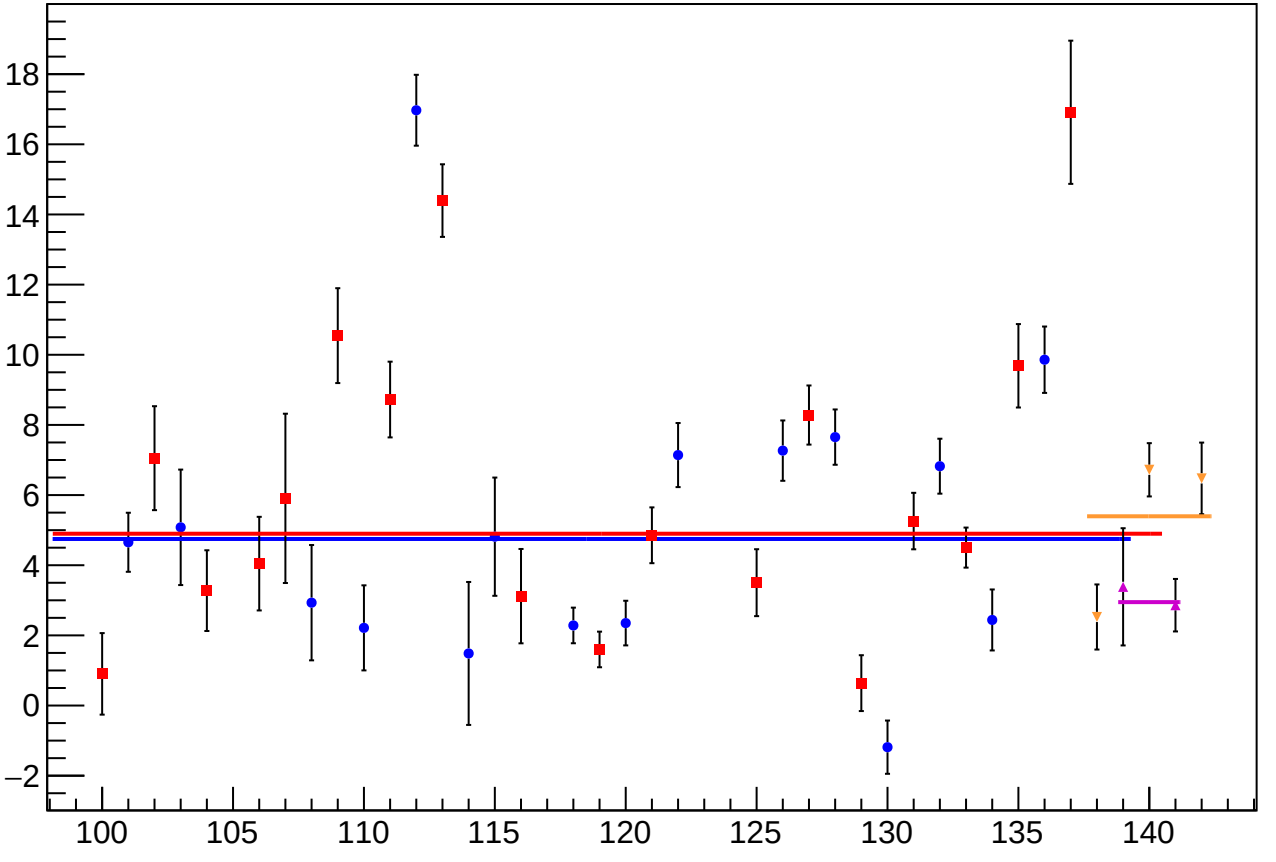
Left In: -45.004+/-0.689 χ^2/NDF:1.7/1

+ sign -34.698+/-0.205 χ^2/NDF: 1313.7/18

All: -34.329+/-0.144 χ^2/NDF: 3772.1/38

- sign -33.970+/-0.202 χ^2/NDF: 2452.0/19

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 5.395+/-0.509 χ^2/NDF:13.7/2

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

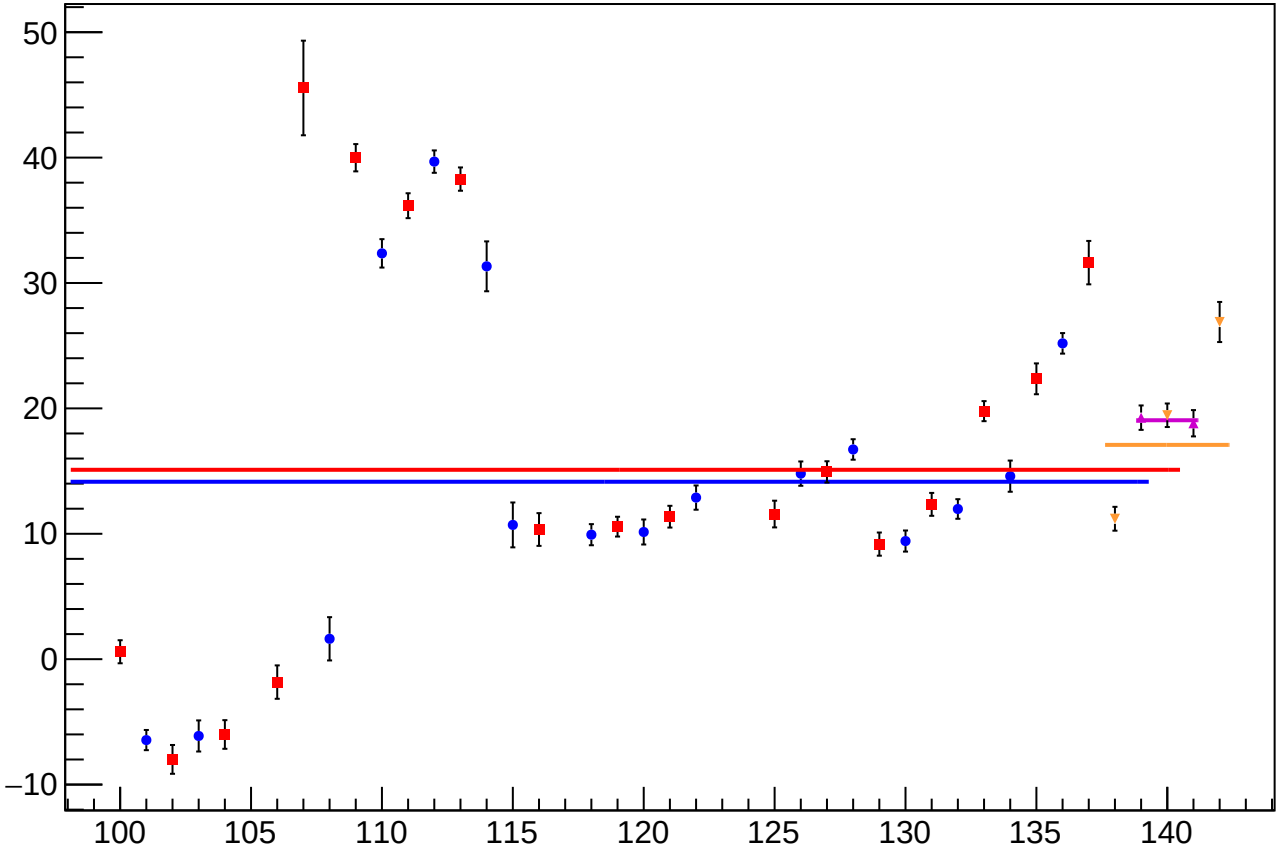
Left In: 2.948+/-0.683 χ^2/NDF:0.1/1

+ sign 4.850+/-0.202 χ^2/NDF: 340.8/18

All: 4.785+/-0.145 χ^2/NDF: 621.5/38

- sign 4.715+/-0.209 χ^2/NDF: 280.5/19

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 17.089+/-0.616 χ^2/NDF:82.3/2

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

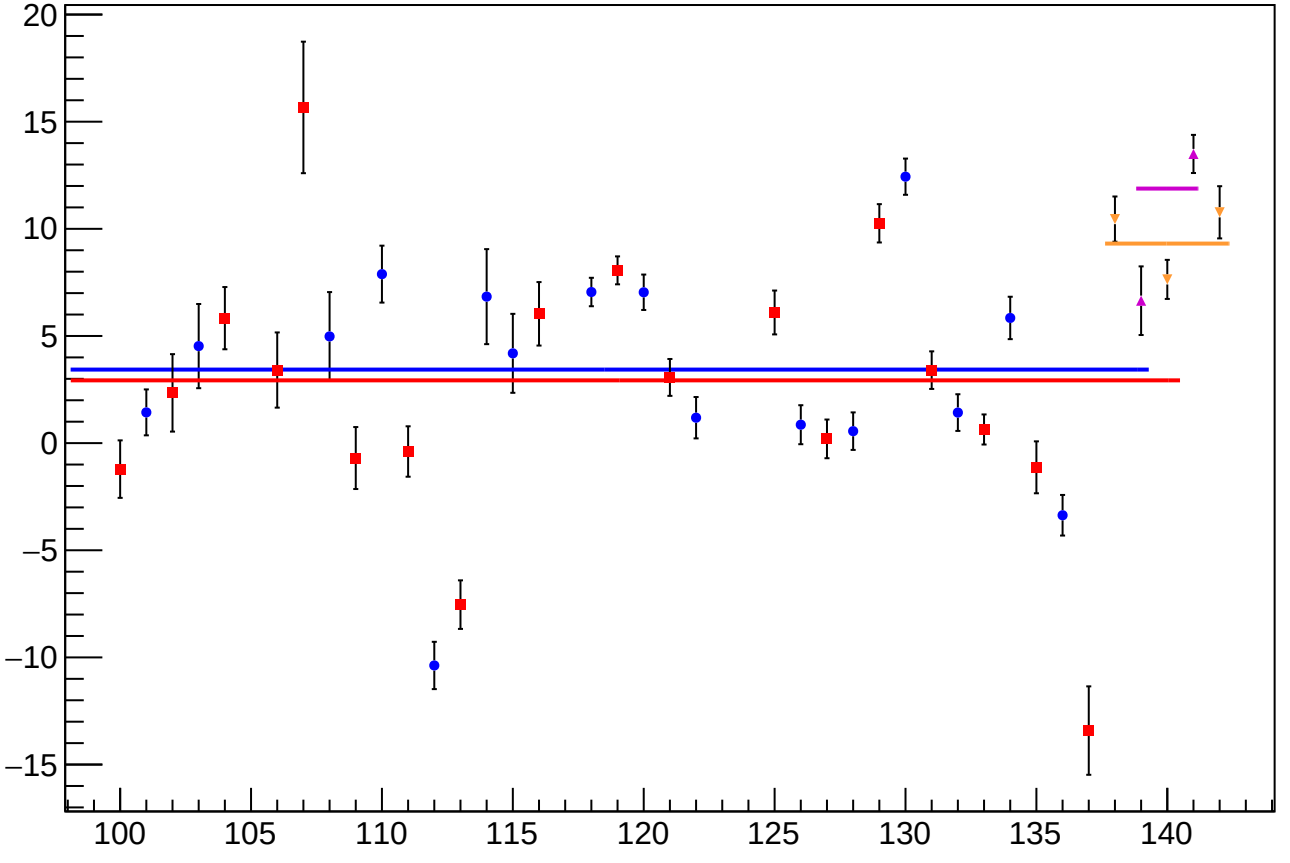
Left In: 19.054+/-0.714 χ^2/NDF:0.1/1

+ sign 14.557+/-0.229 χ^2/NDF: 2504.2/18

All: 15.034+/-0.162 χ^2/NDF: 5642.7/38

- sign 15.511+/-0.229 χ^2/NDF: 3129.9/19

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.312+/-0.600 χ^2/NDF:6.0/2

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

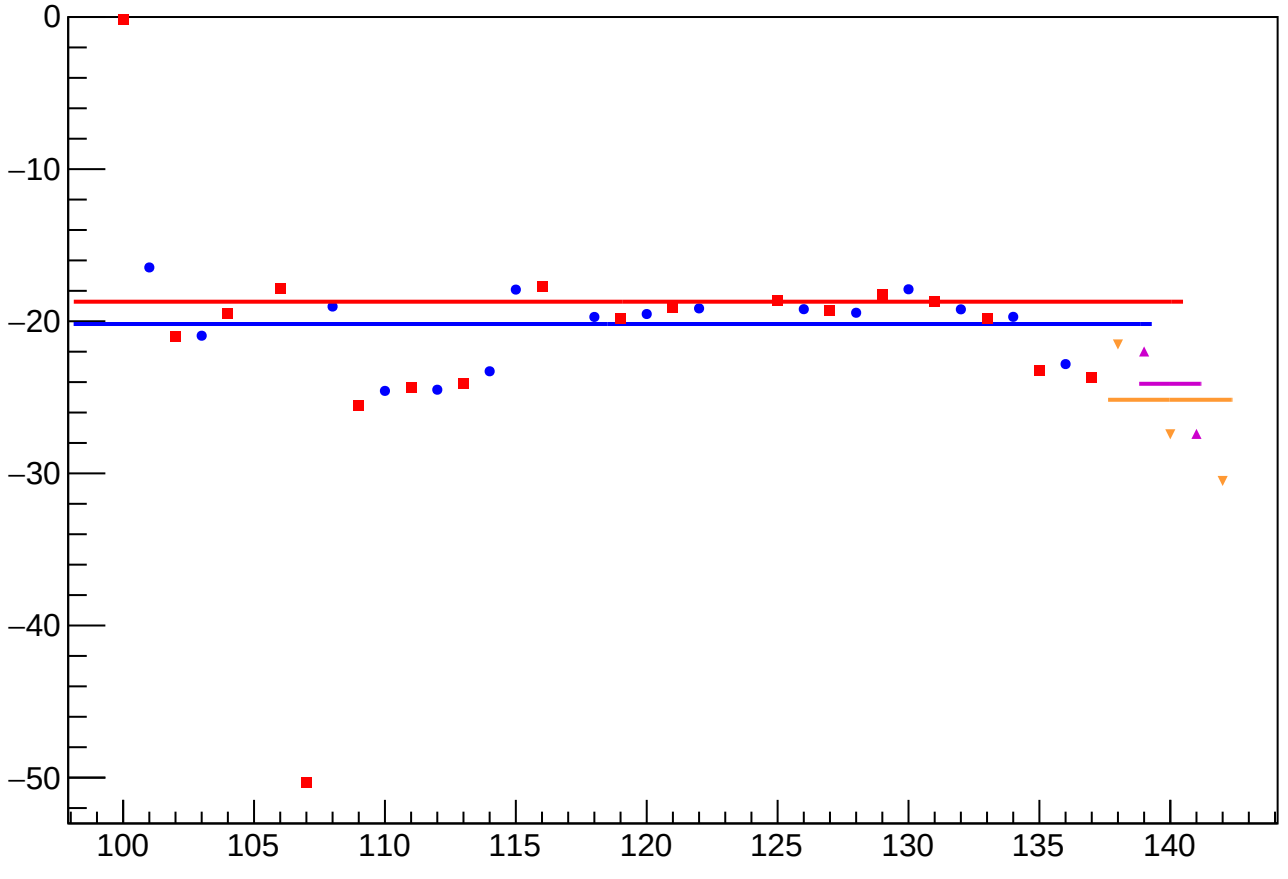
Left In: 11.878+/-0.778 χ^2/NDF:14.0/1

+ sign 4.326+/-0.234 χ^2/NDF: 511.4/18

All: 4.064+/-0.168 χ^2/NDF: 1015.3/38

- sign 3.787+/-0.241 χ^2/NDF: 501.4/19

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -25.161+/-0.026 χ^2/NDF:18836.4/2

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

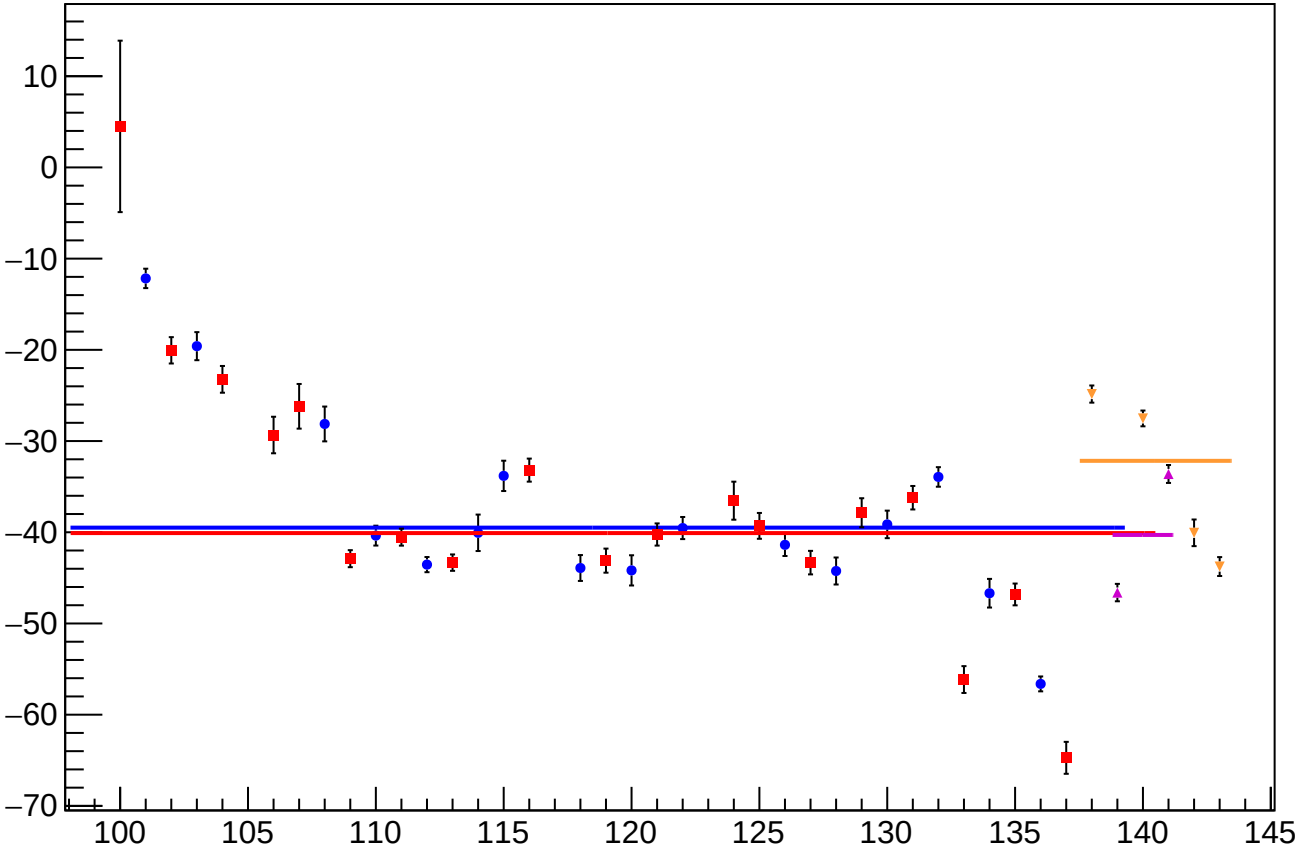
Left In: -24.111+/-0.027 χ^2/NDF:9665.1/1

+ sign -21.572+/-0.014 χ^2/NDF: 65594.5/18

All: -20.811+/-0.010 χ^2/NDF: 346232.3/38

- sign -20.067+/-0.013 χ^2/NDF: 274473.2/19

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.169+/-0.508 χ^2/NDF:243.8/3

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

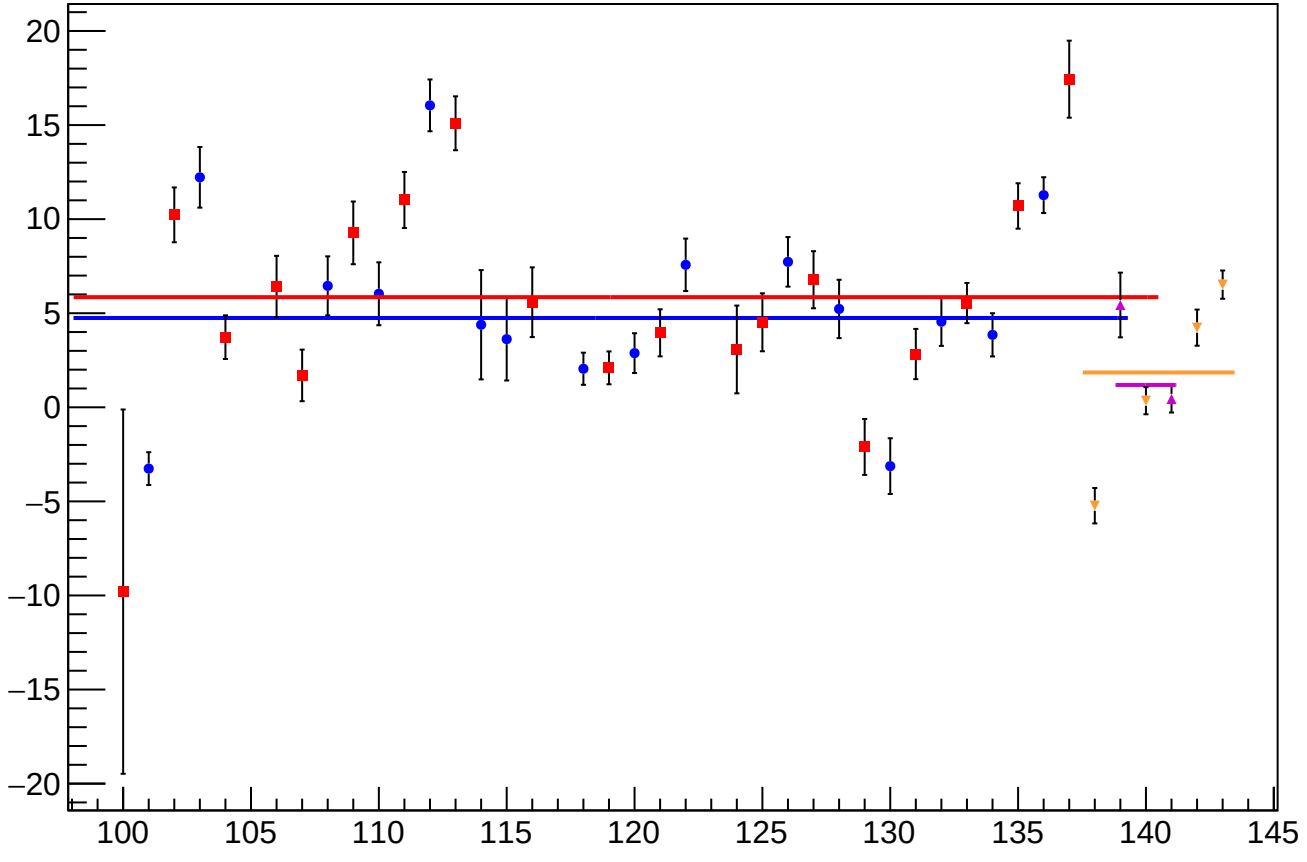
Left In: -40.295+/-0.685 χ^2/NDF:90.1/1

+ sign -37.502+/-0.265 χ^2/NDF: 1811.9/19

All: -38.740+/-0.193 χ^2/NDF: 2783.2/40

- sign -40.124+/-0.280 χ^2/NDF: 925.1/20

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.850+/-0.411 χ^2/NDF:105.7/3

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

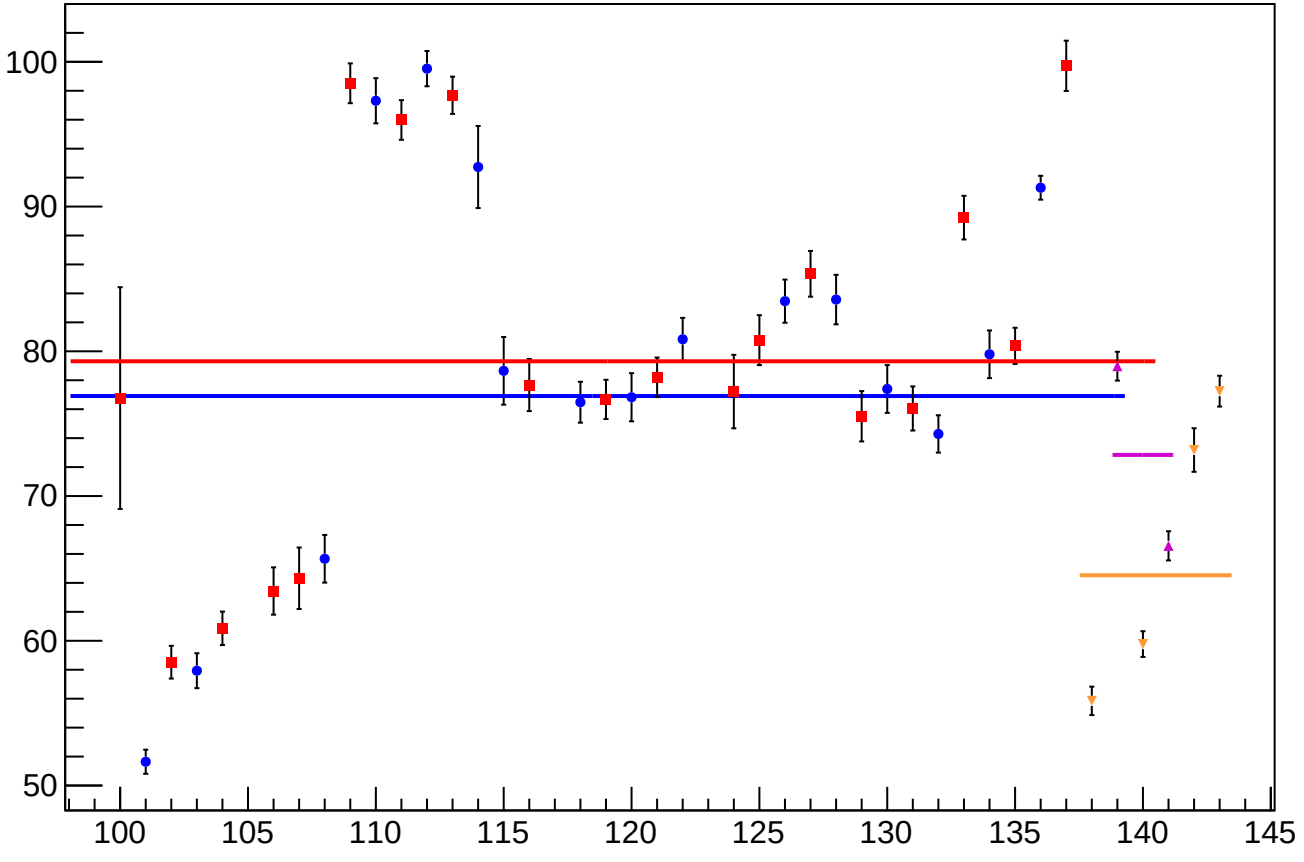
Left In: 1.187+/-0.664 χ^2/NDF:7.2/1

+ sign 3.672+/-0.251 χ^2/NDF: 410.7/19

All: 4.218+/-0.190 χ^2/NDF: 656.6/40

- sign 4.956+/-0.291 χ^2/NDF: 234.7/20

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 64.526+/-0.525 χ^2/NDF:282.3/3

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

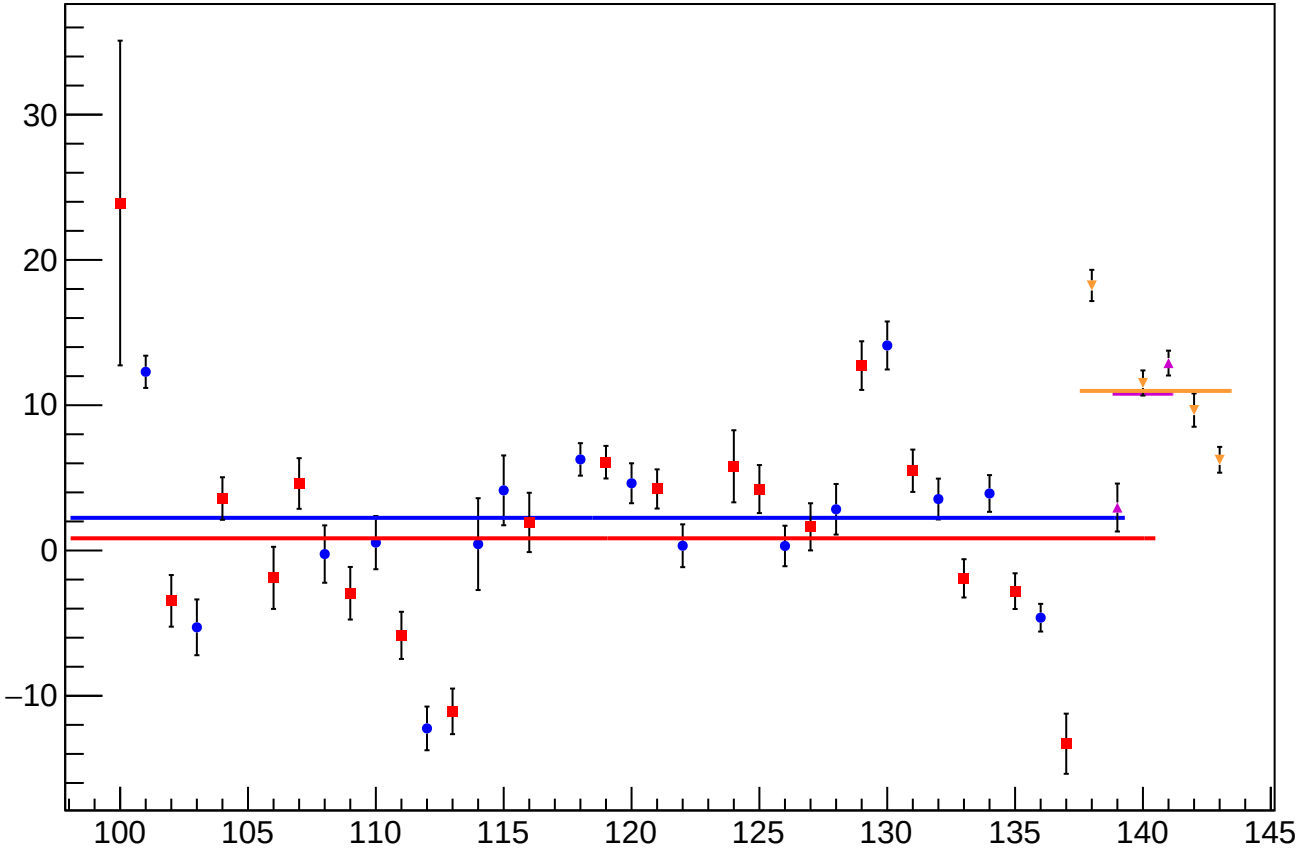
Left In: 72.842+/-0.708 χ^2/NDF:76.8/1

+ sign 73.300+/-0.284 χ^2/NDF: 2792.1/19

All: 75.449+/-0.210 χ^2/NDF: 4559.4/40

- sign 78.053+/-0.312 χ^2/NDF: 1640.3/20

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 10.984+/-0.486 χ^2/NDF:75.8/3

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

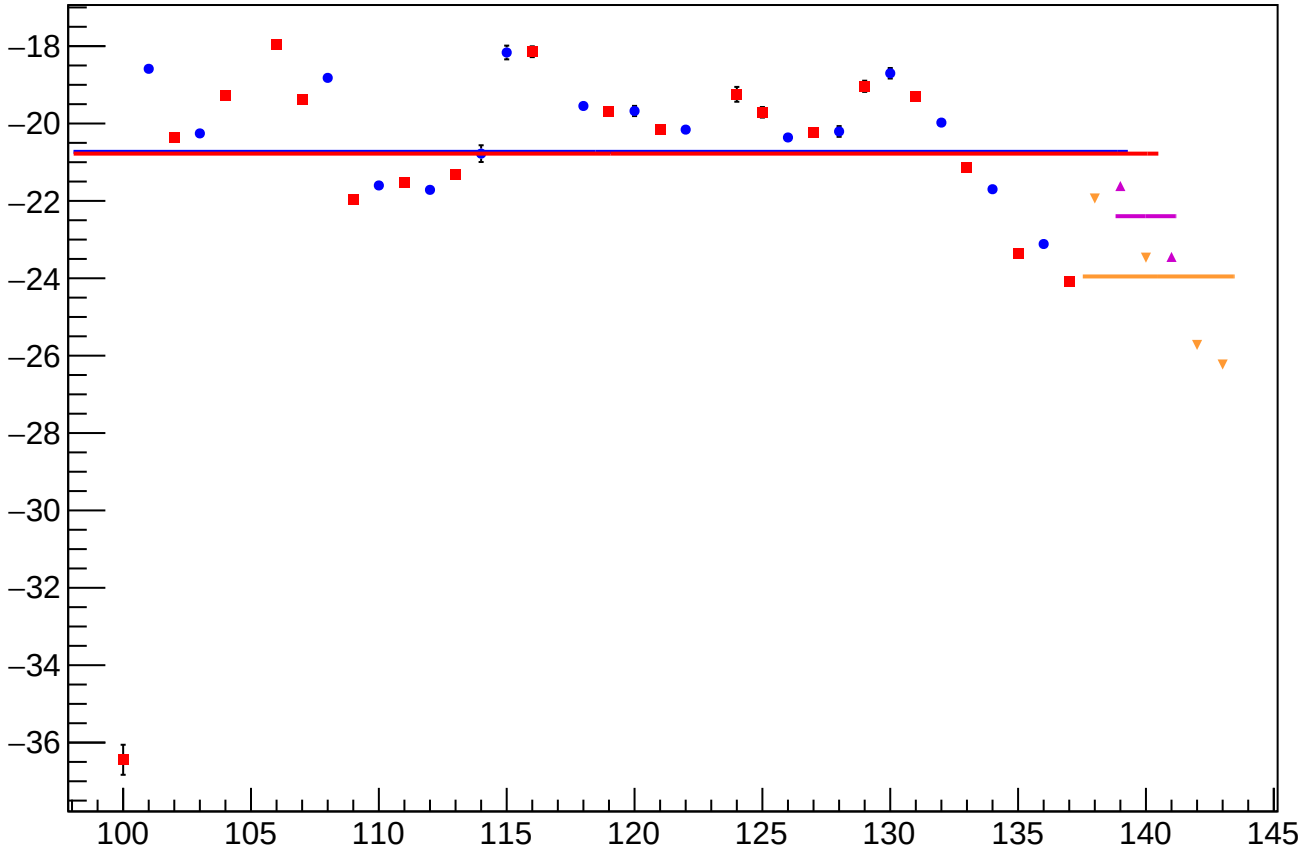
Left In: 10.793+/-0.759 χ^2/NDF:28.7/1

+ sign 5.376+/-0.291 χ^2/NDF: 602.7/19

All: 4.251+/-0.219 χ^2/NDF: 1060.9/40

- sign 2.768+/-0.334 χ^2/NDF: 423.5/20

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -23.953+/-0.022 χ^2/NDF:6246.4/3

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

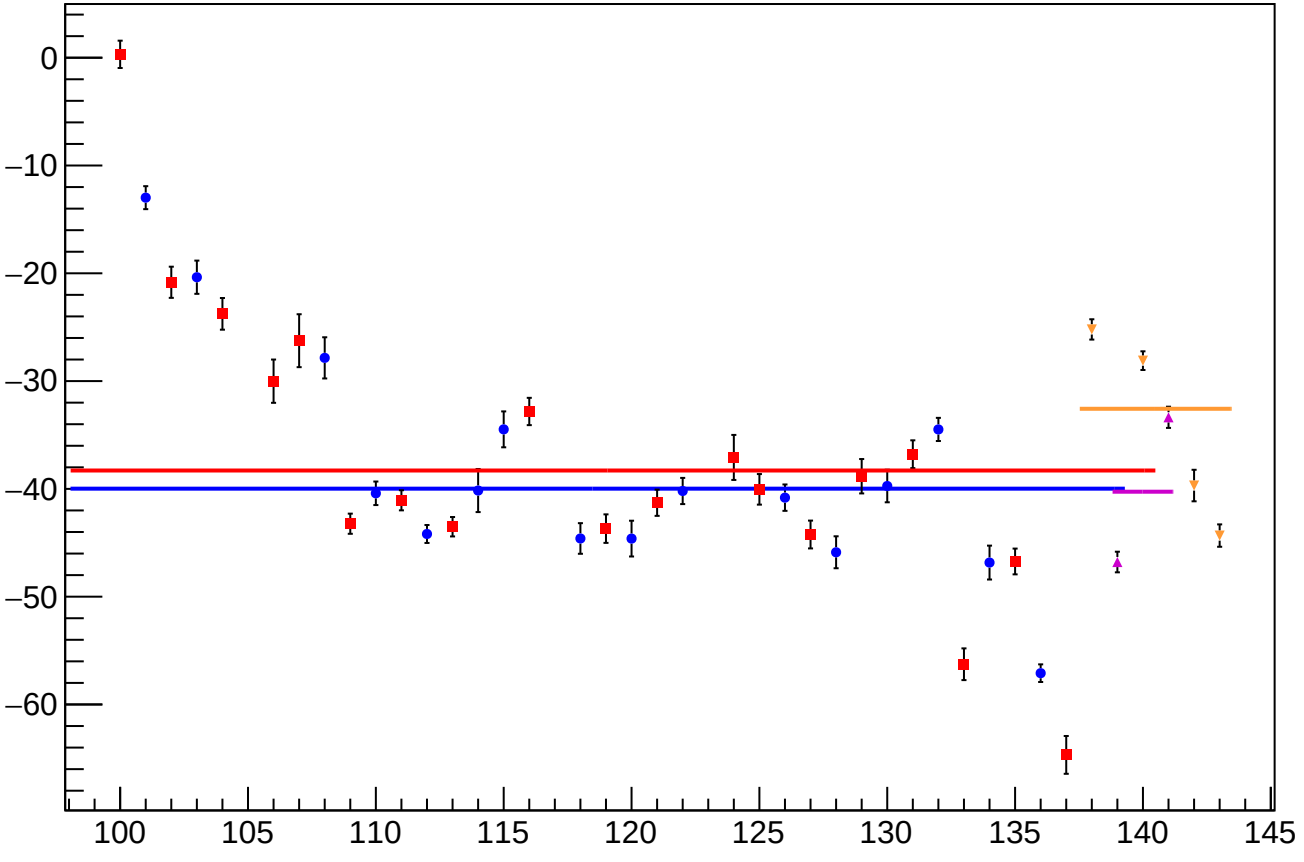
Left In: -22.395+/-0.027 χ^2/NDF:1132.8/1

+ sign -22.140+/-0.015 χ^2/NDF: 25900.6/19

All: -21.790+/-0.011 χ^2/NDF: 40055.1/40

- sign -21.361+/-0.016 χ^2/NDF: 12869.3/20

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.569+/-0.509 χ^2/NDF:239.6/3

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

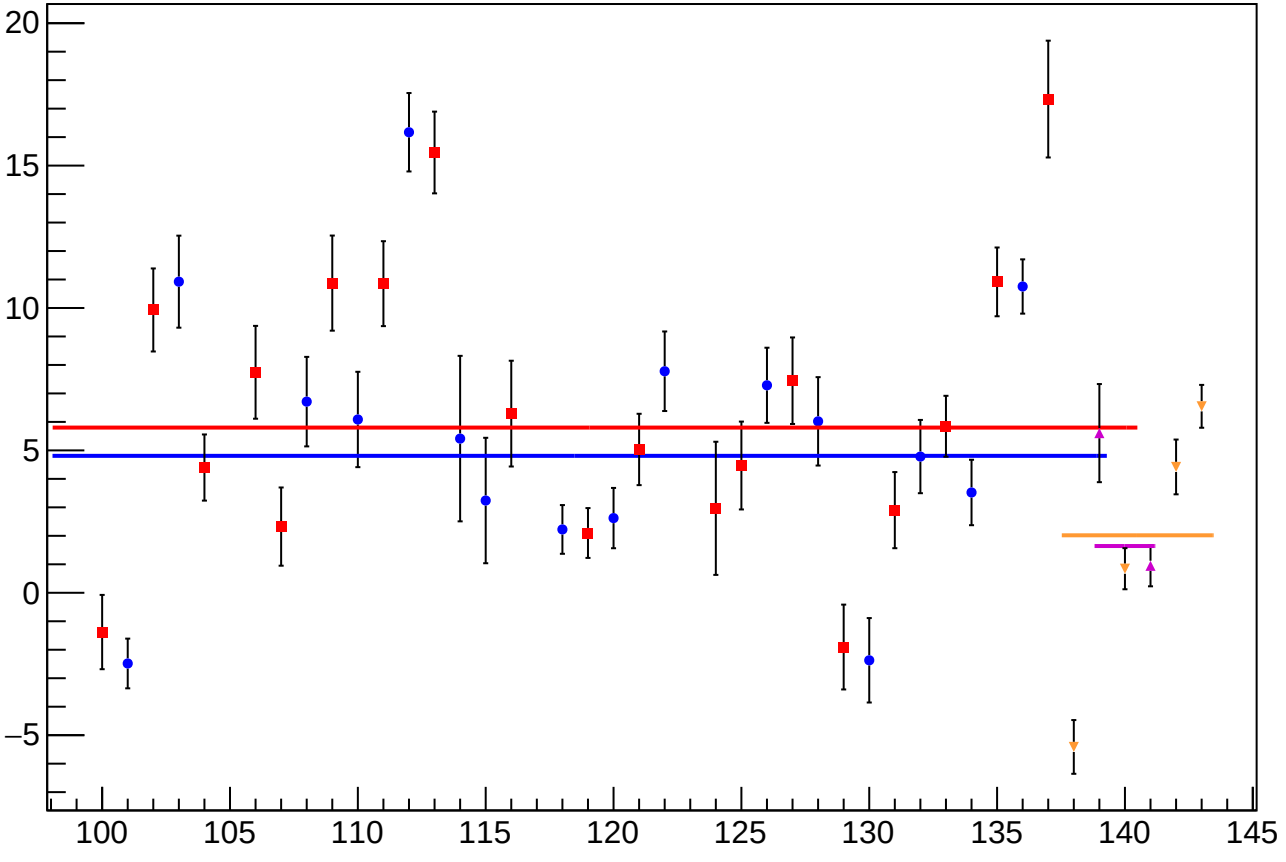
Left In: -40.262+/-0.686 χ^2/NDF:95.7/1

+ sign -37.966+/-0.266 χ^2/NDF: 1792.2/19

All: -38.277+/-0.191 χ^2/NDF: 3671.3/40

- sign -38.609+/-0.274 χ^2/NDF: 1876.3/20

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 2.018+/-0.412 χ^2/NDF:107.1/3

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

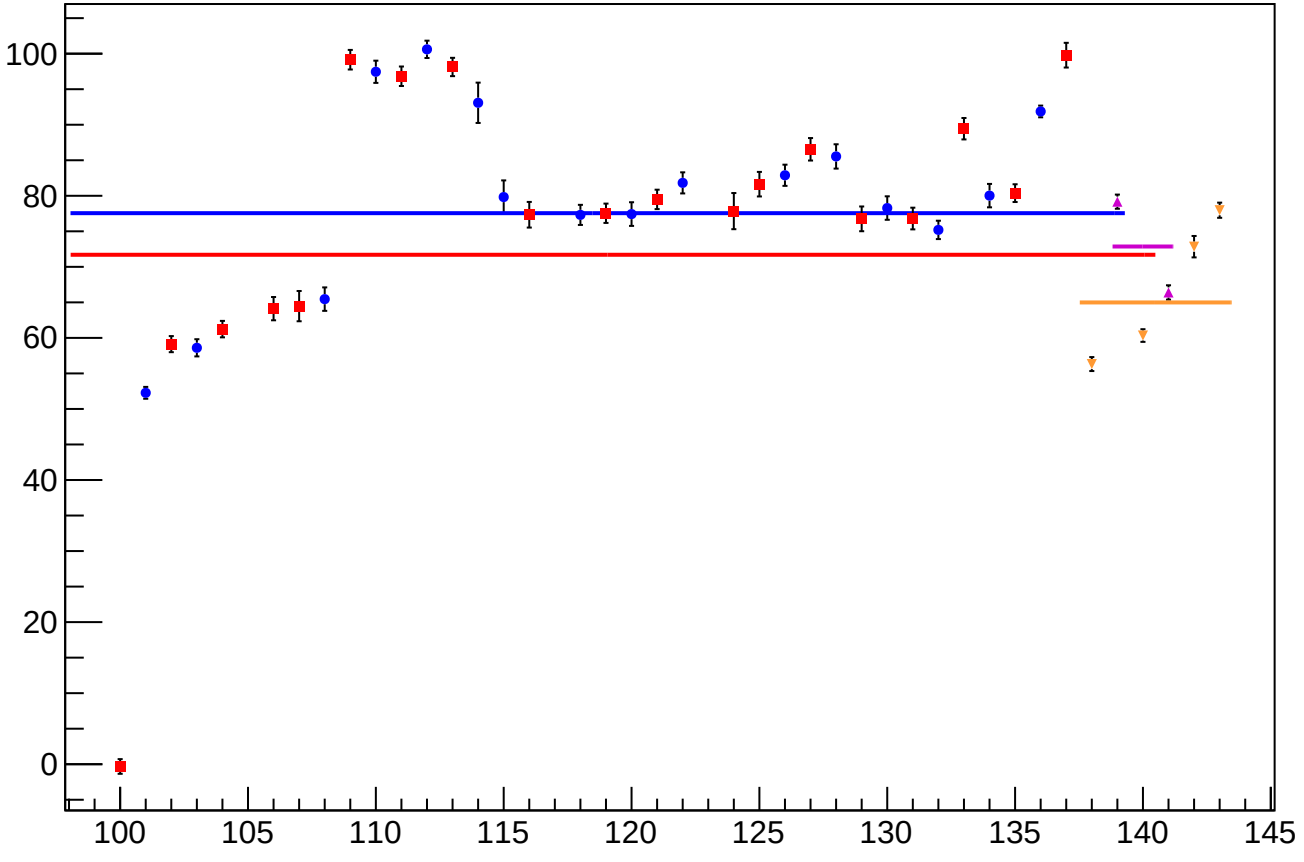
Left In: 1.642+/-0.665 χ^2/NDF:6.2/1

\+ sign 3.773+/-0.251 χ^2/NDF: 376.5/19

All: 4.327+/-0.188 χ^2/NDF: 642.2/40

\- sign 5.039+/-0.285 χ^2/NDF: 254.6/20

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.989+/-0.526 χ^2/NDF:279.9/3

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

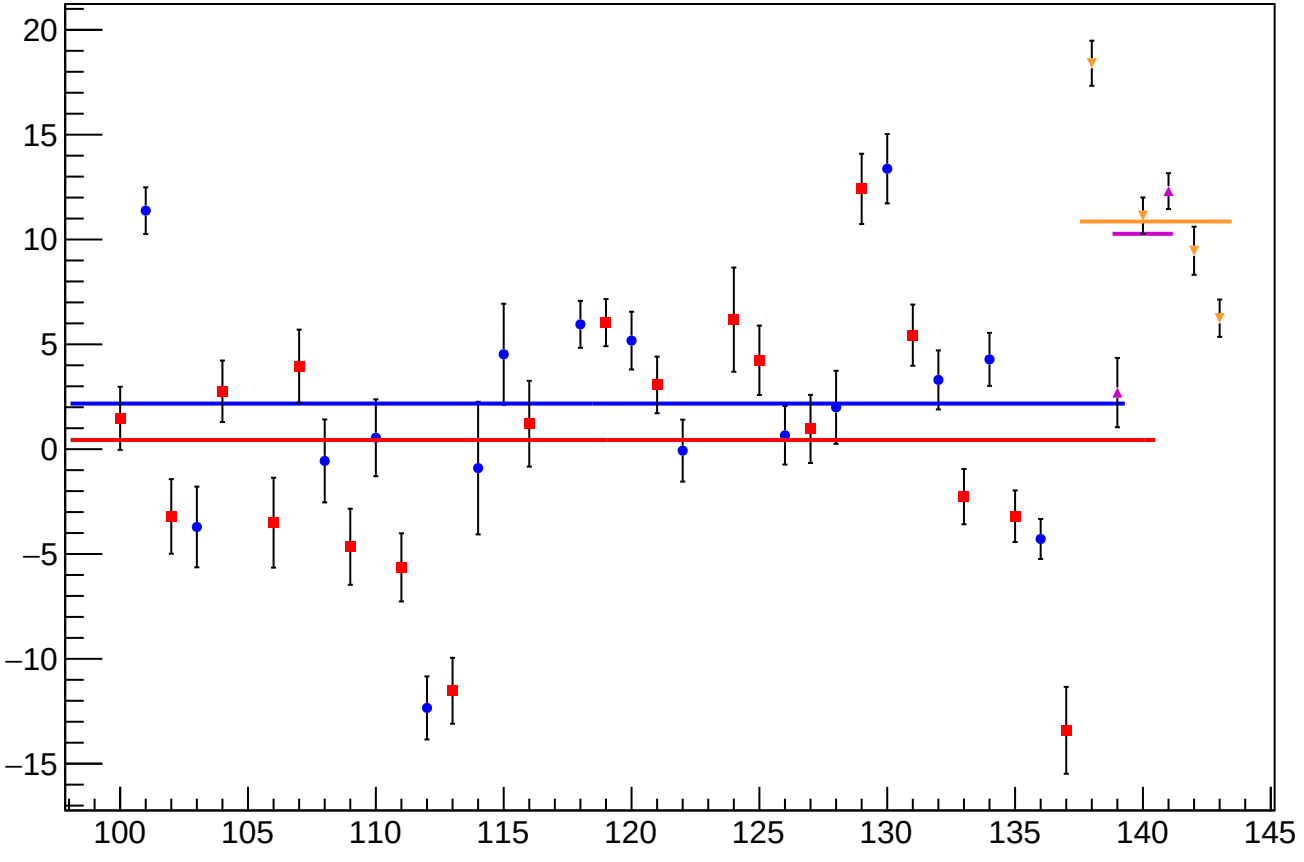
Left In: 72.861+/-0.710 χ^2/NDF:81.0/1

+ sign 73.894+/-0.284 χ^2/NDF: 2802.2/19

All: 72.953+/-0.206 χ^2/NDF: 9812.2/40

- sign 71.906+/-0.300 χ^2/NDF: 6986.8/20

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 10.860+/-0.487 χ^2/NDF:77.6/3

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

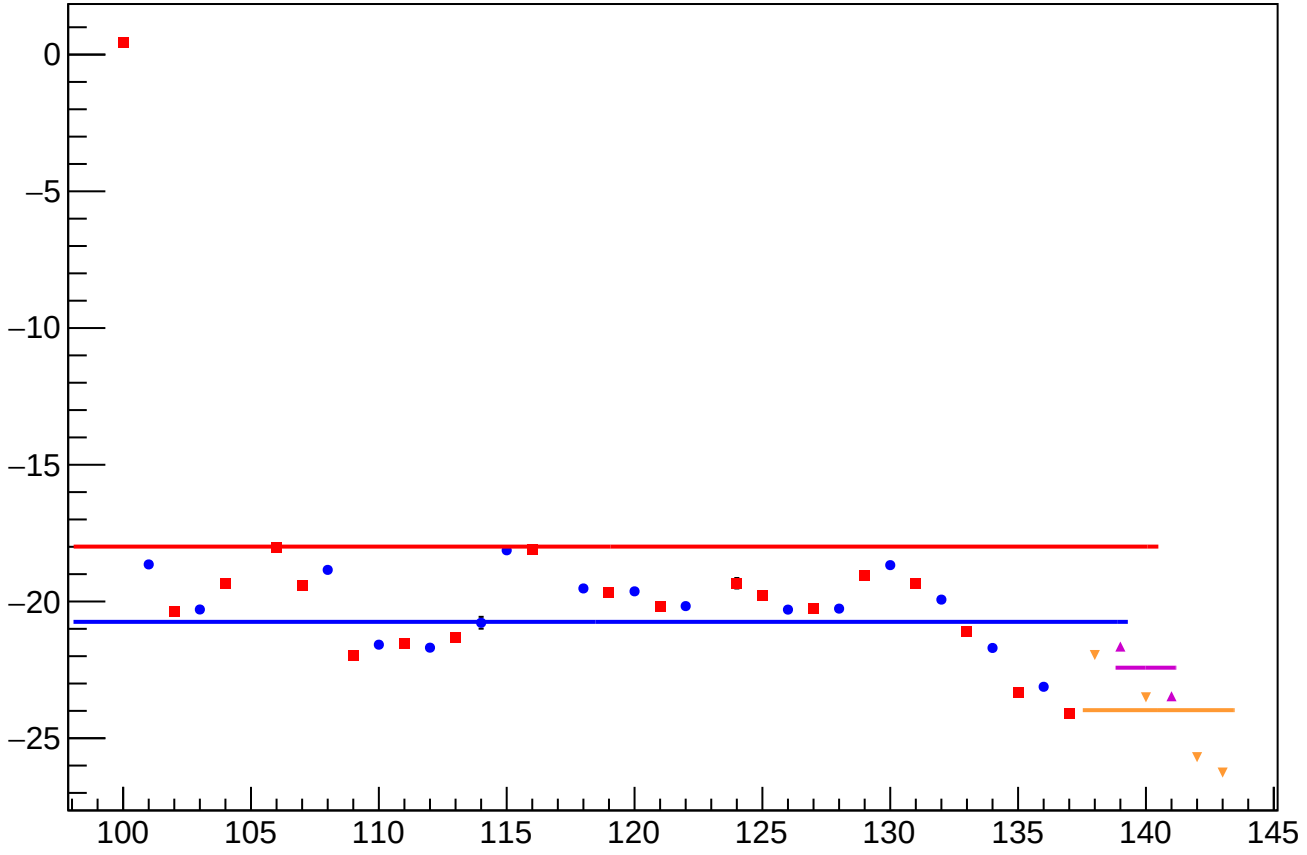
Left In: 10.272+/-0.761 χ^2/NDF:26.7/1

+ sign 5.283+/-0.291 χ^2/NDF: 572.0/19

All: 3.941+/-0.217 χ^2/NDF: 1037.0/40

- sign 2.253+/-0.327 χ^2/NDF: 417.1/20

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -23.974+/-0.022 χ^2/NDF:6184.0/3

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

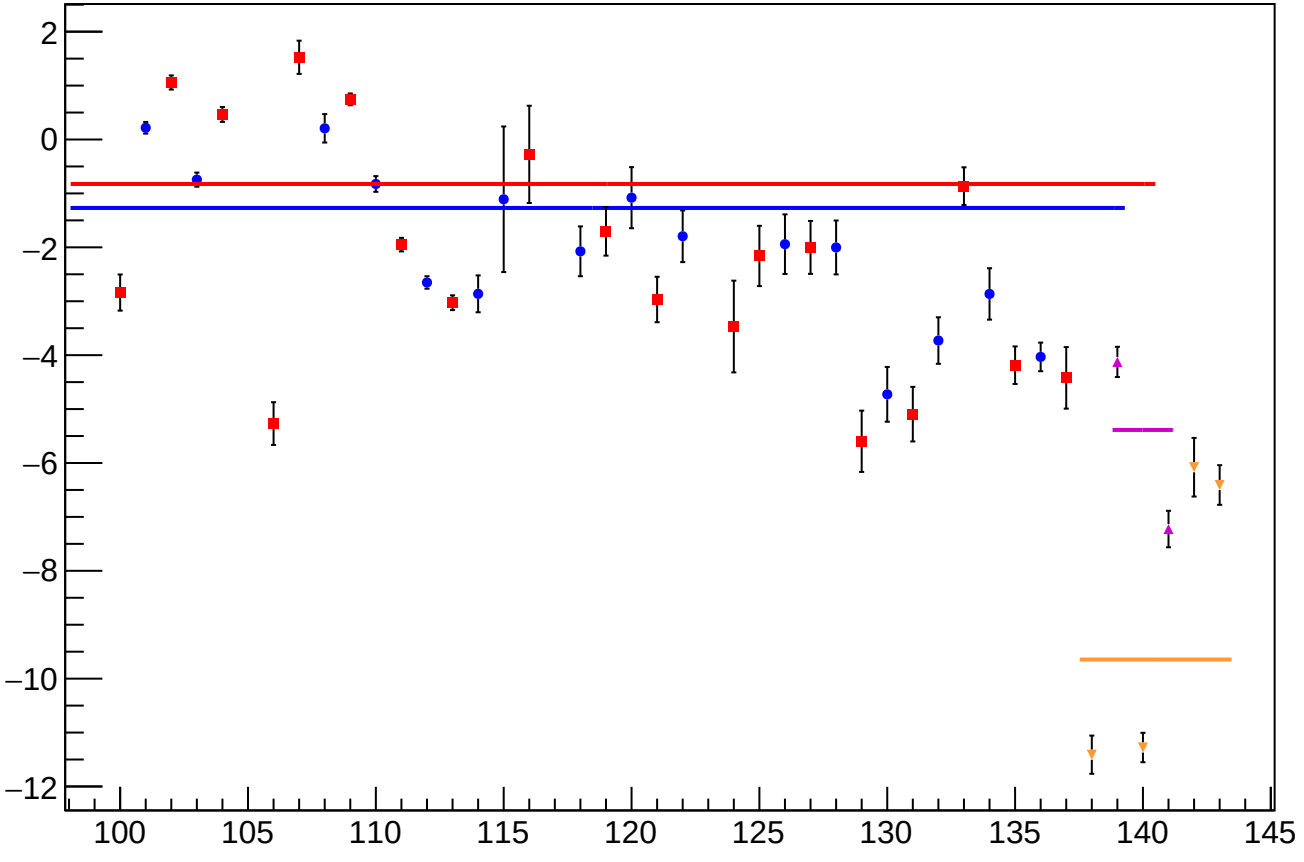
Left In: -22.421+/-0.027 χ^2/NDF:1109.9/1

+ sign -22.156+/-0.015 χ^2/NDF: 25742.4/19

All: -20.881+/-0.011 χ^2/NDF: 211726.6/40

- sign -19.450+/-0.015 χ^2/NDF: 169788.0/20

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -9.645+/-0.176 χ^2/NDF:181.1/3

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

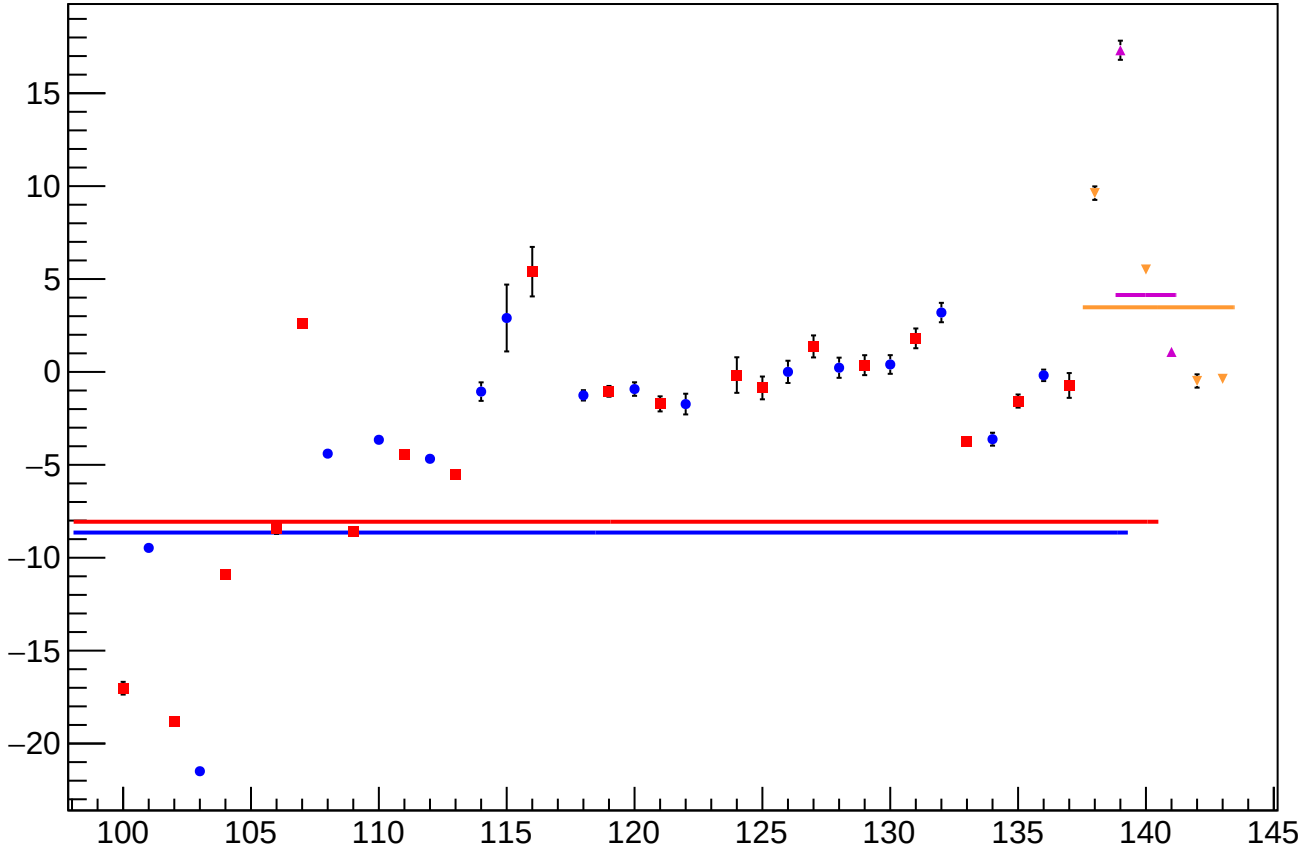
Left In: -5.387+/-0.216 χ^2/NDF:49.7/1

+ sign -2.001+/-0.052 χ^2/NDF: 2857.5/19

All: -1.511+/-0.036 χ^2/NDF: 4882.7/40

- sign -1.066+/-0.050 χ^2/NDF: 1856.5/20

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 3.479+/-0.144 χ^2/NDF:694.5/3

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

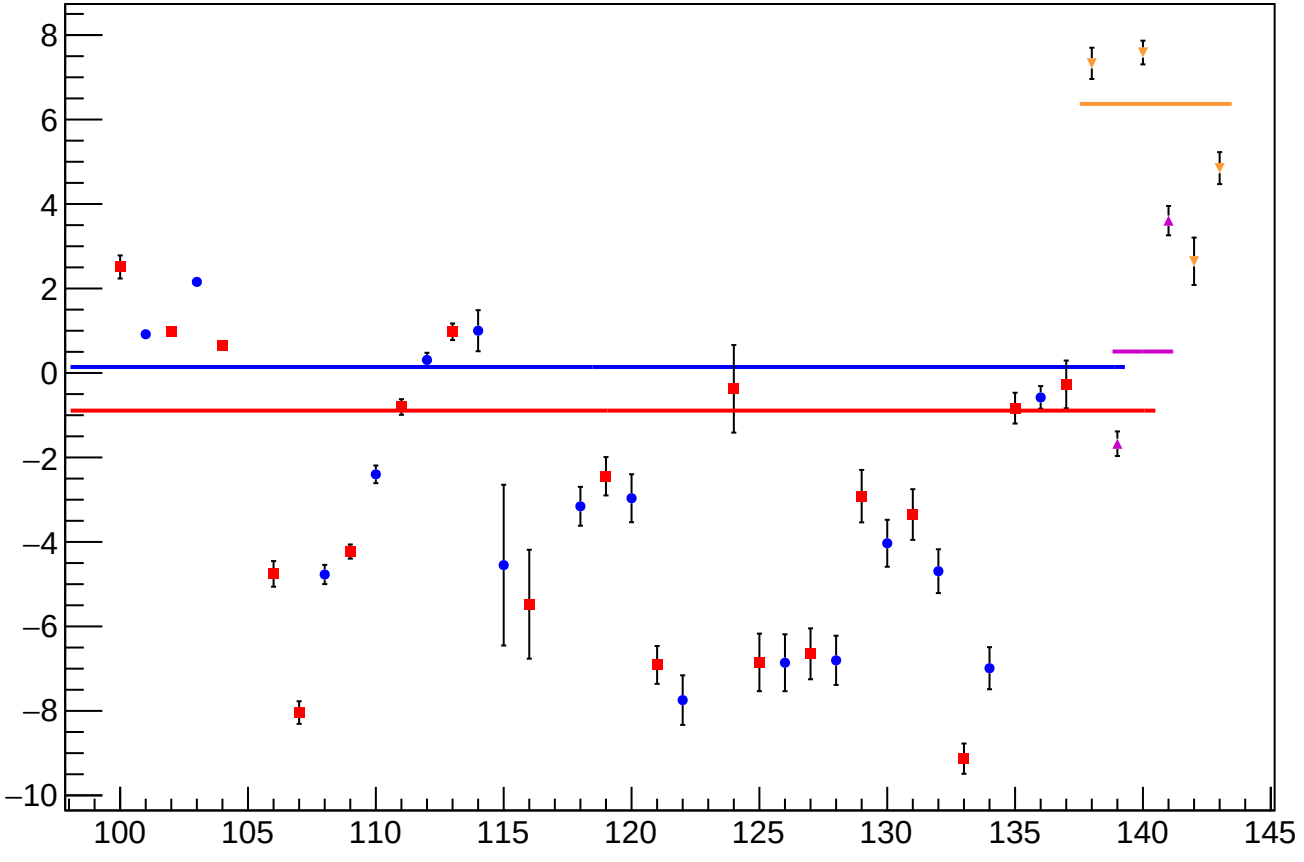
Left In: 4.140+/-0.224 χ^2/NDF:805.7/1

+ sign -7.000+/-0.053 χ^2/NDF: 20671.9/19

All: -7.146+/-0.038 χ^2/NDF: 38710.6/40

- sign -7.307+/-0.056 χ^2/NDF: 18022.8/20

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 6.370+/-0.182 χ^2/NDF:85.8/3

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

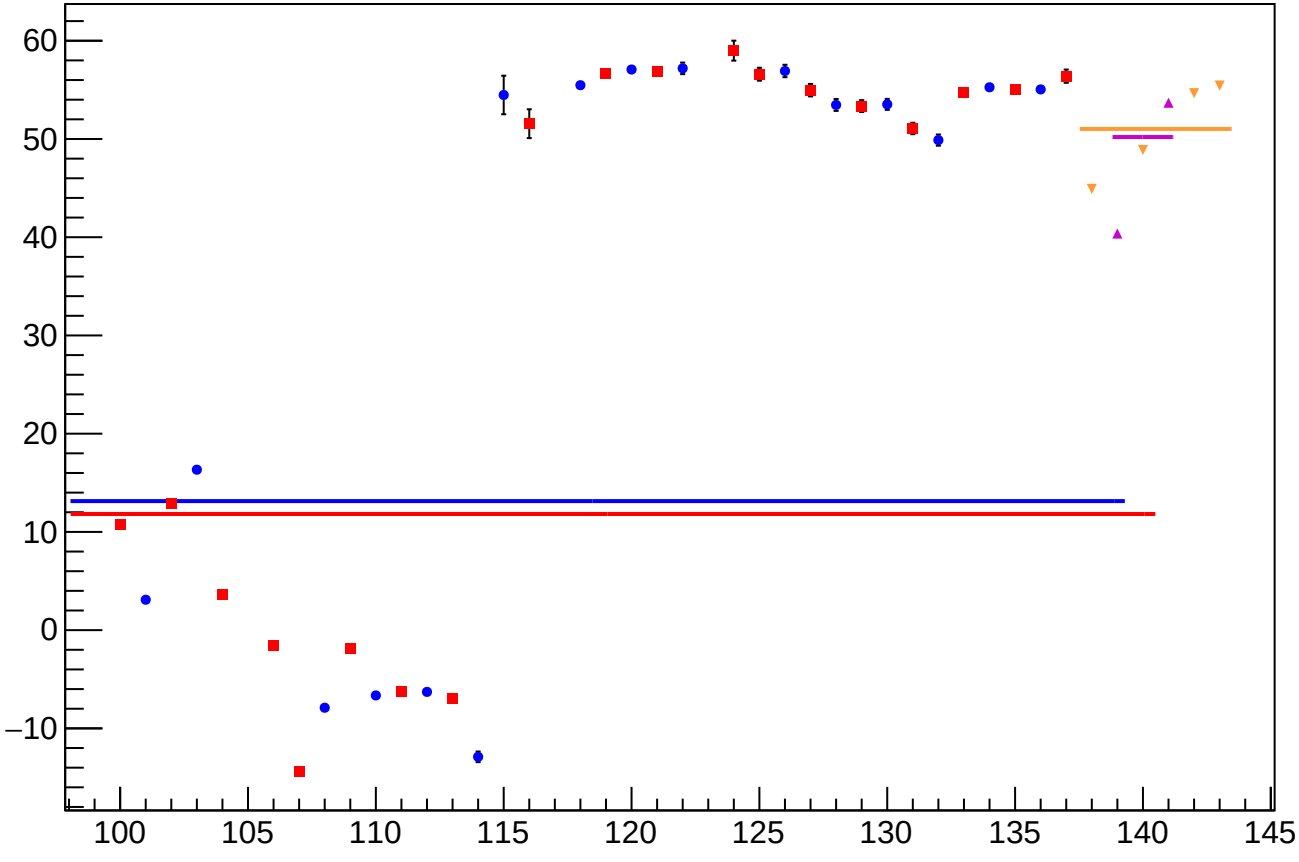
Left In: 0.508+/-0.223 χ^2/NDF:135.6/1

+ sign 0.627+/-0.051 χ^2/NDF: 3124.7/19

All: -0.076+/-0.036 χ^2/NDF: 6675.1/40

- sign -0.815+/-0.052 χ^2/NDF: 3158.4/20

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.025+/-0.170 χ^2/NDF:548.6/3

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

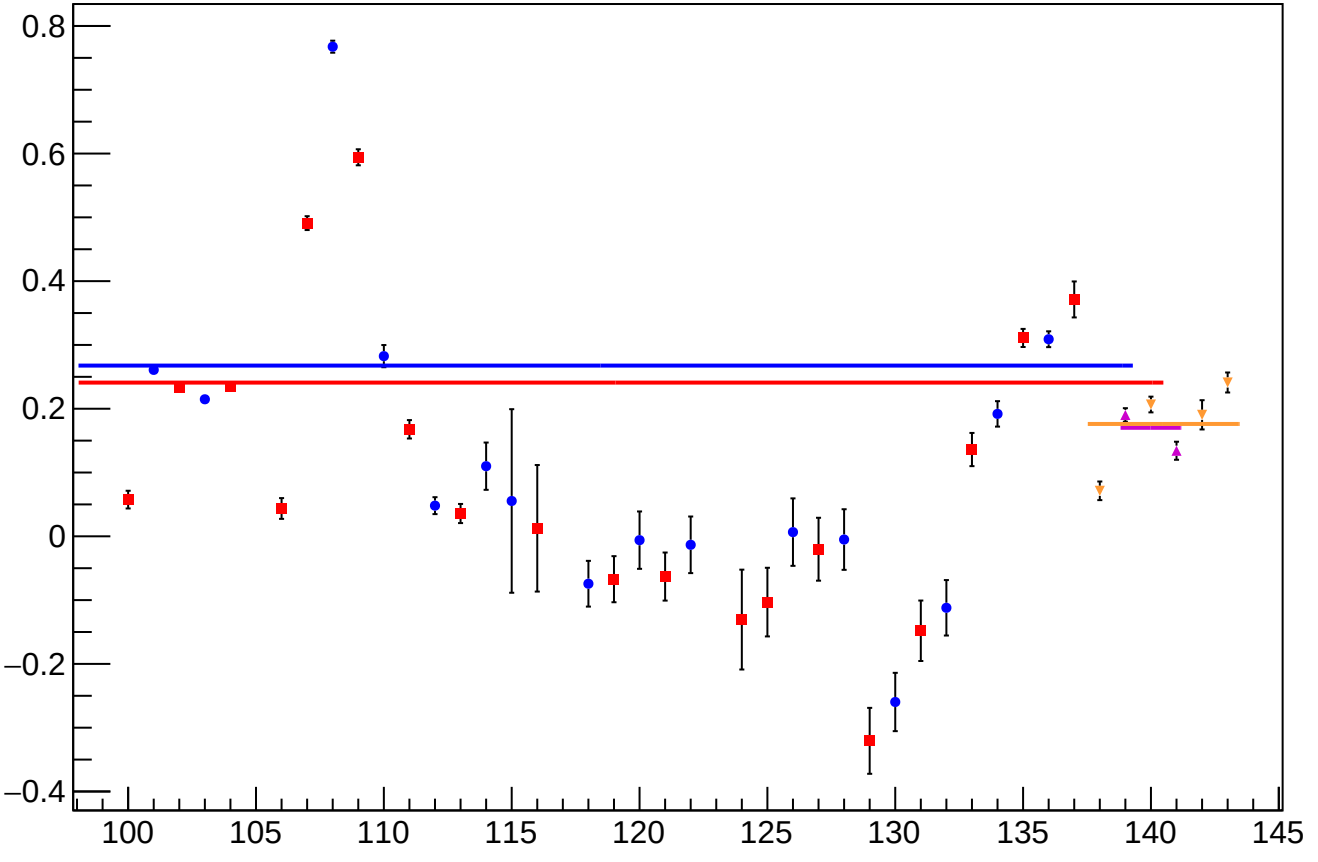
Left In: 50.200+/-0.253 χ^2/NDF:533.9/1

+ sign 18.360+/-0.063 χ^2/NDF: 151998.2/19

All: 16.451+/-0.045 χ^2/NDF: 294009.7/40

- sign 14.390+/-0.066 χ^2/NDF: 140106.7/20

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.176+/-0.008 χ^2/NDF:75.3/3

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

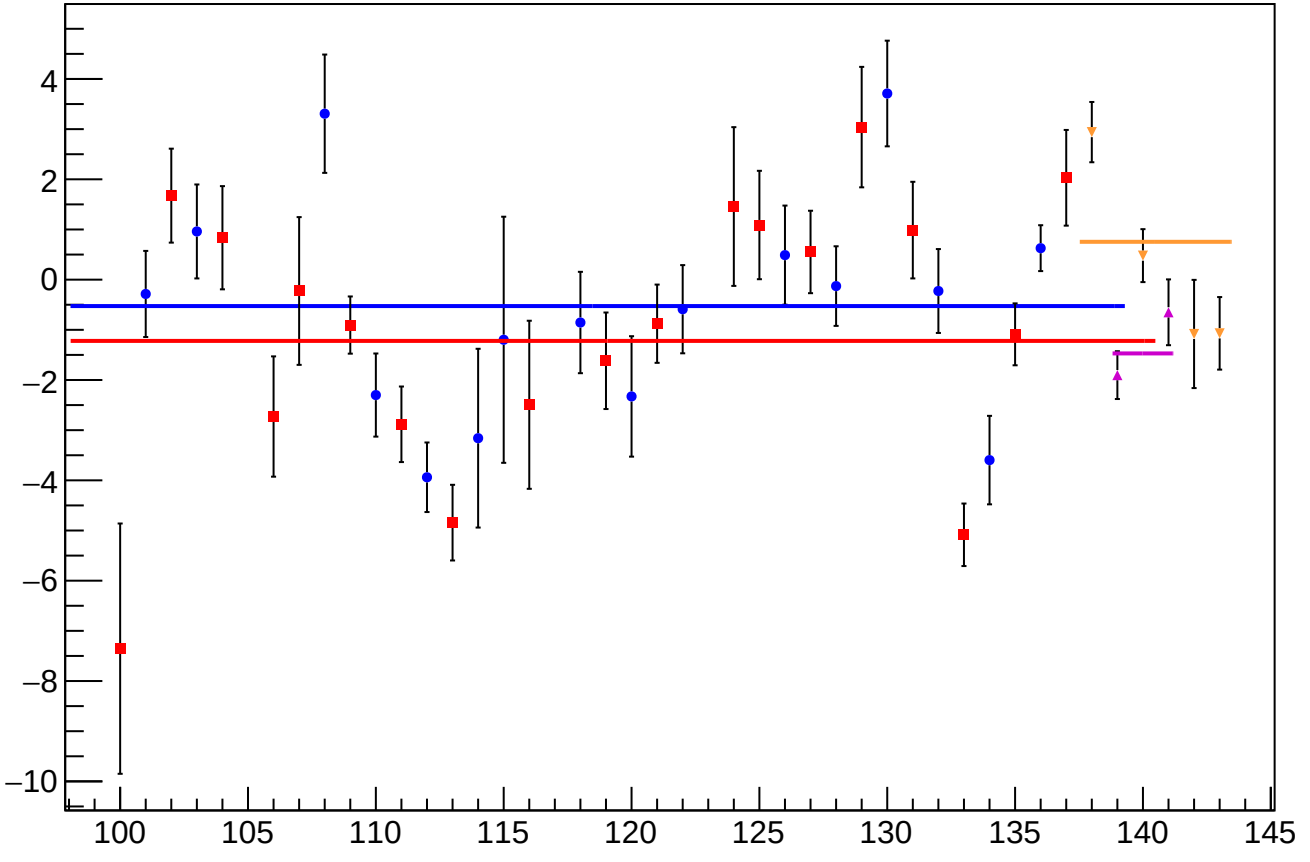
Left In: 0.170+/-0.008 χ^2/NDF:10.1/1

+ sign 0.257+/-0.003 χ^2/NDF: 3923.0/19

All: 0.245+/-0.002 χ^2/NDF: 6372.4/40

- sign 0.234+/-0.003 χ^2/NDF: 2412.4/20

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 0.754+/-0.331 χ^2/NDF:22.8/3

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

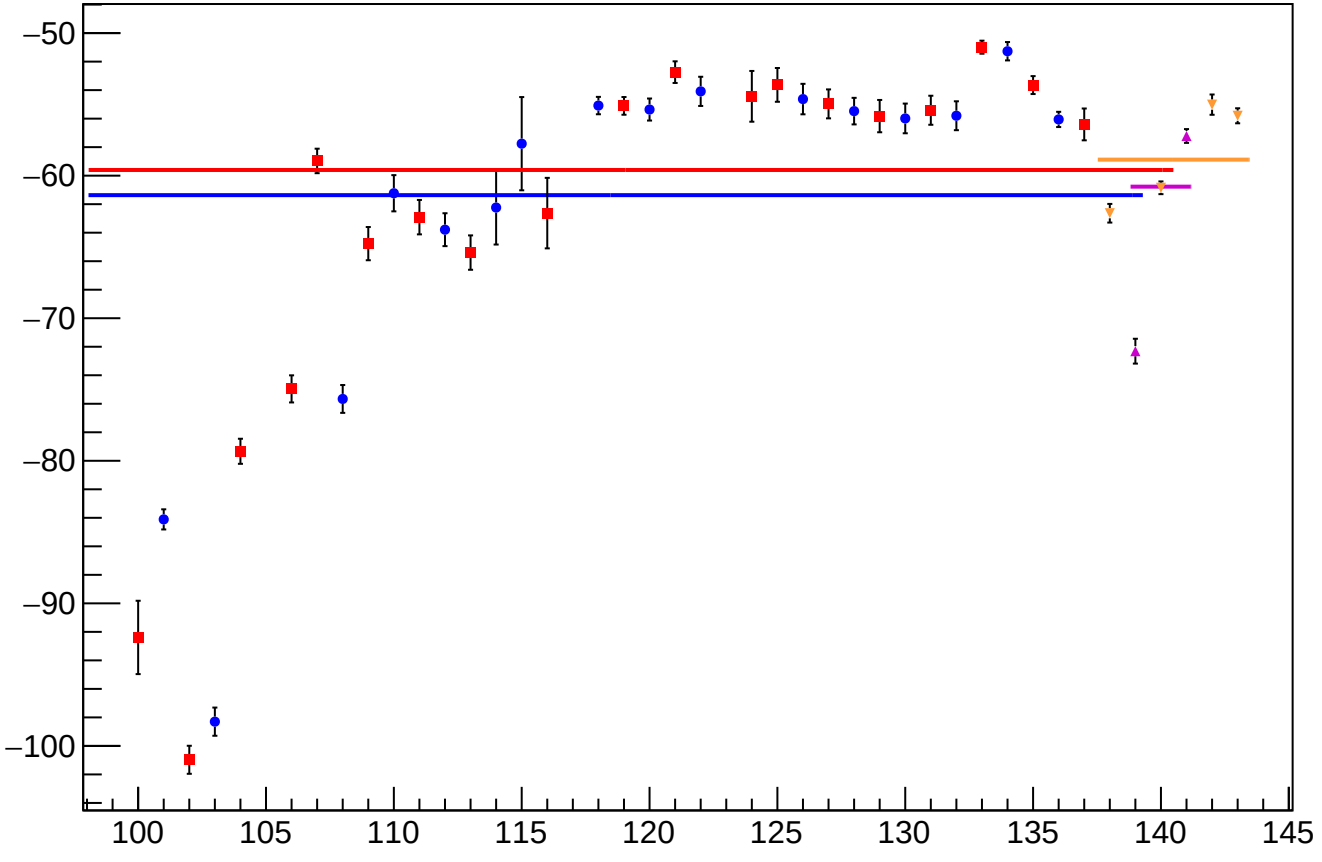
Left In: -1.470+/-0.385 χ^2/NDF:2.4/1

+ sign -0.141+/-0.181 χ^2/NDF: 116.0/19

All: -0.711+/-0.128 χ^2/NDF: 269.3/40

- sign -1.276+/-0.181 χ^2/NDF: 133.6/20

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -58.876+/-0.278 χ^2/NDF:116.1/3

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

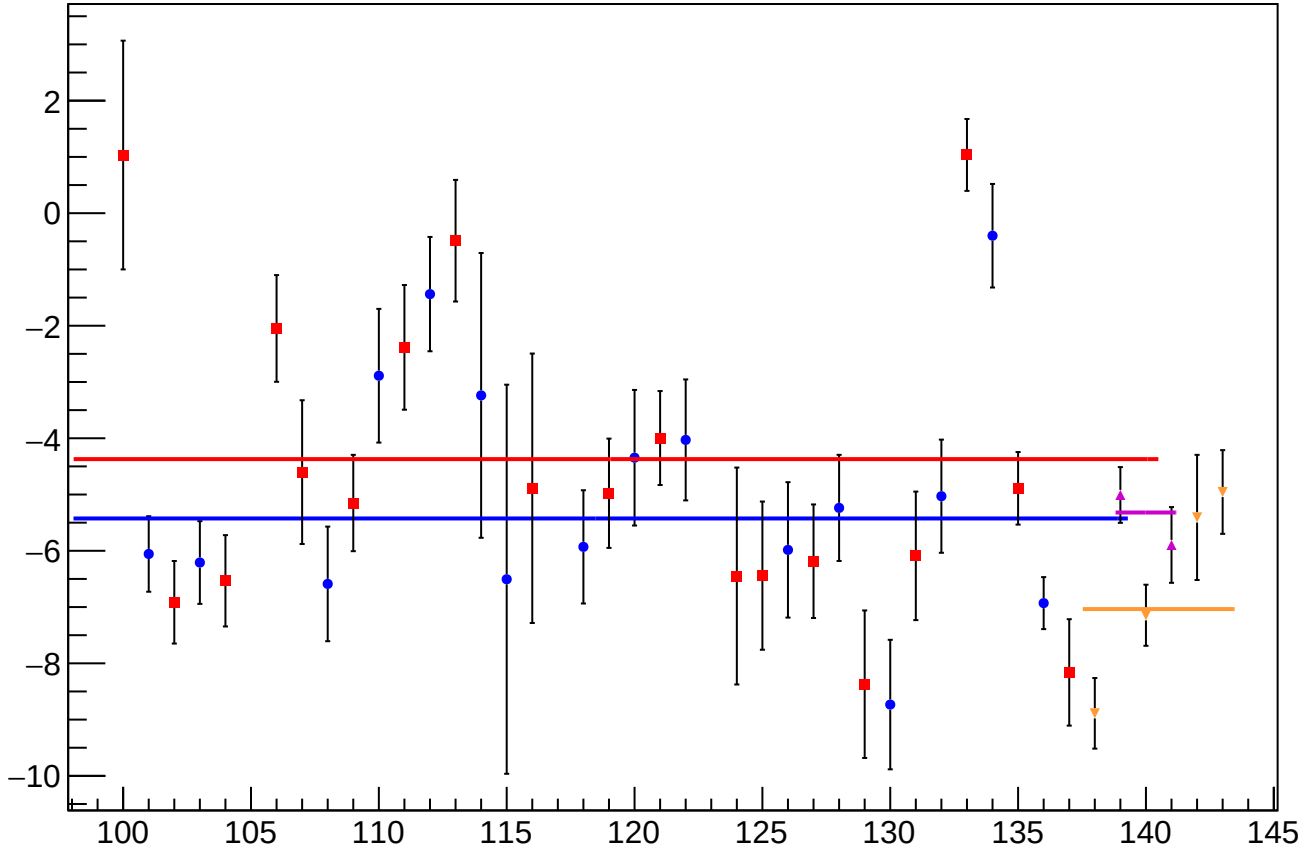
Left In: -60.771+/-0.423 χ^2/NDF:229.6/1

+ sign -60.413+/-0.172 χ^2/NDF: 3516.8/19

All: -60.142+/-0.126 χ^2/NDF: 7179.2/40

- sign -59.827+/-0.186 χ^2/NDF: 3657.0/20

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.036+/-0.342 χ^2/NDF:18.7/3

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

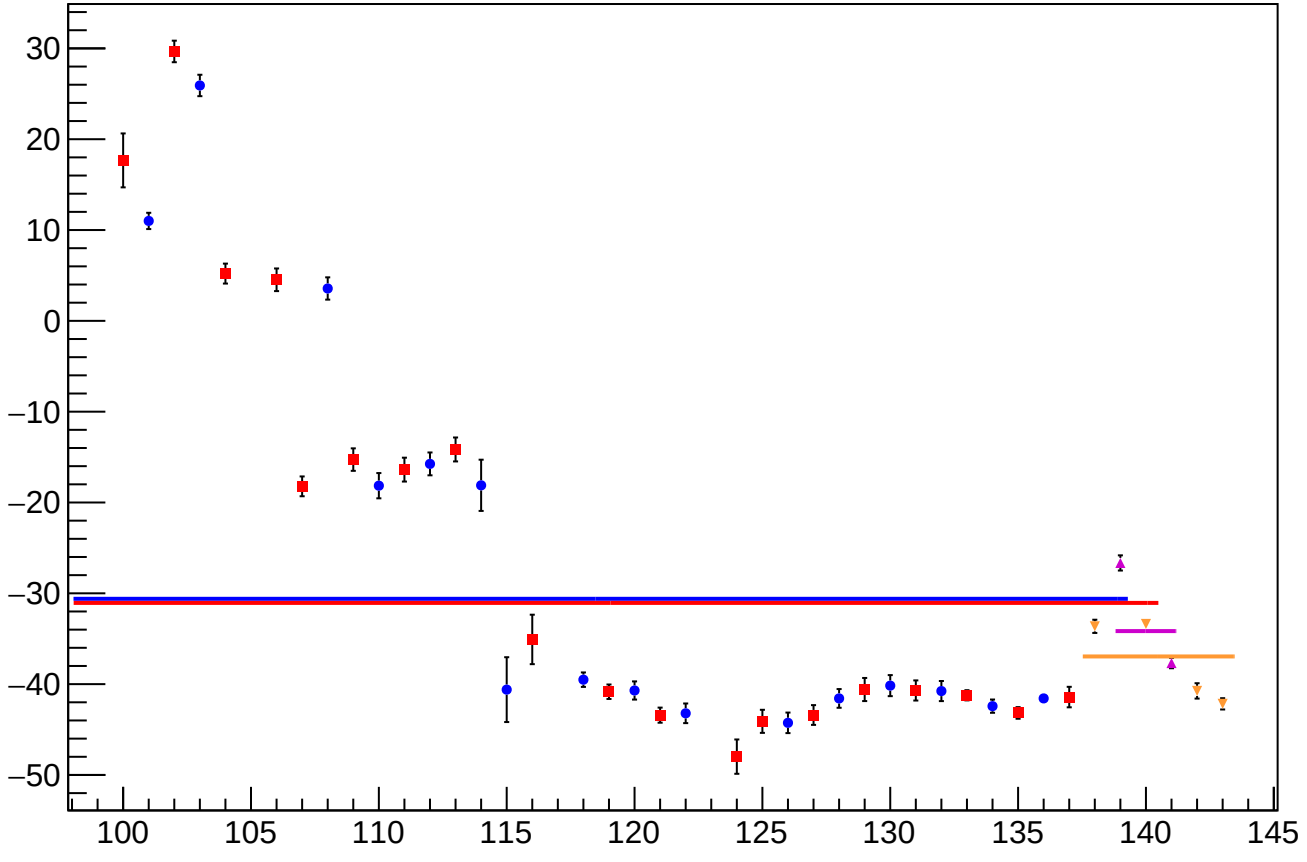
Left In: -5.320+/-0.399 χ^2/NDF:1.1/1

+ sign -5.927+/-0.191 χ^2/NDF: 110.0/19

All: -5.273+/-0.136 χ^2/NDF: 295.9/40

- sign -4.596+/-0.194 χ^2/NDF: 162.1/20

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.952+/-0.327 χ^2/NDF:156.2/3

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

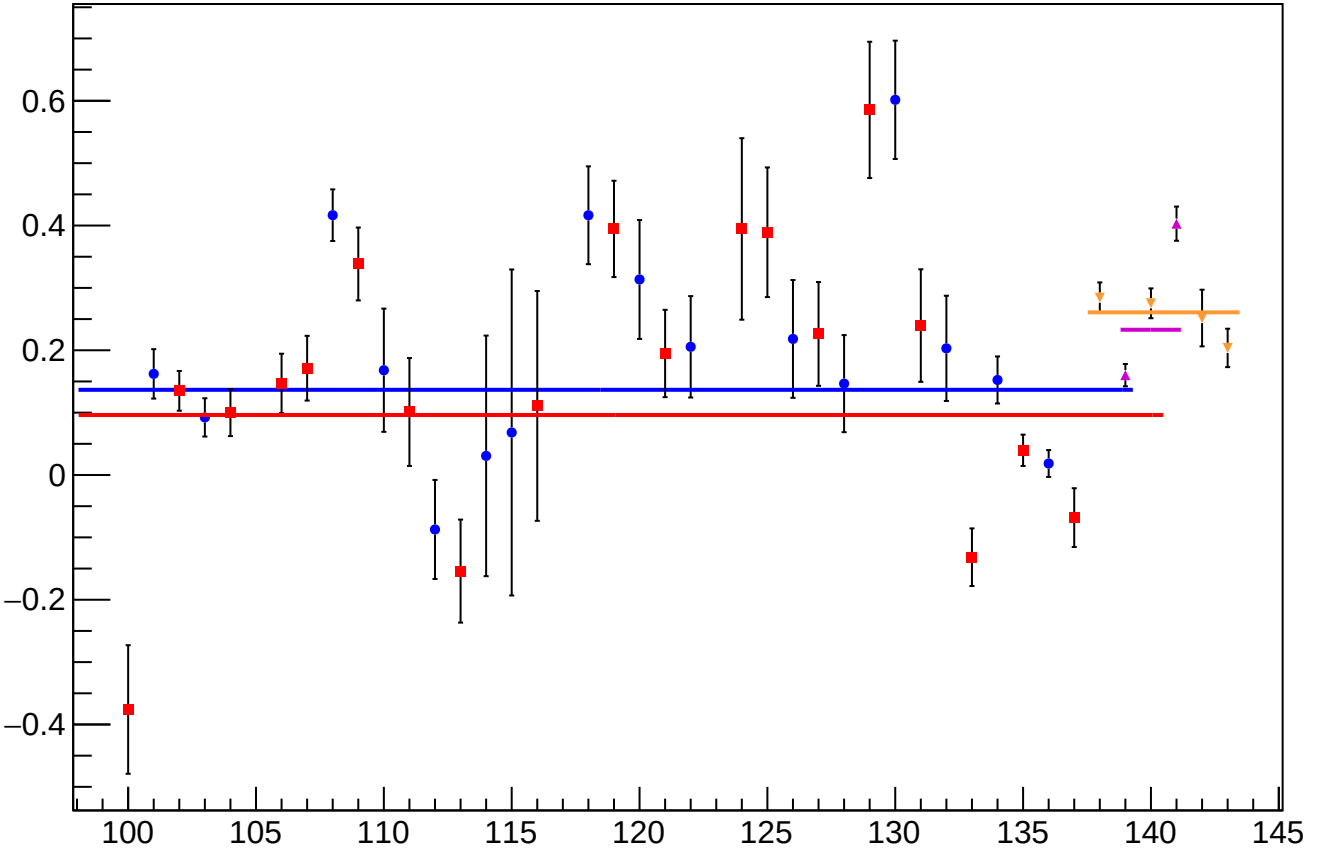
Left In: -34.160+/-0.473 χ^2/NDF:118.2/1

+ sign -32.942+/-0.198 χ^2/NDF: 7332.7/19

All: -32.356+/-0.145 χ^2/NDF: 14480.6/40

- sign -31.683+/-0.212 χ^2/NDF: 7129.1/20

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.261+/-0.014 χ^2/NDF:4.8/3

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

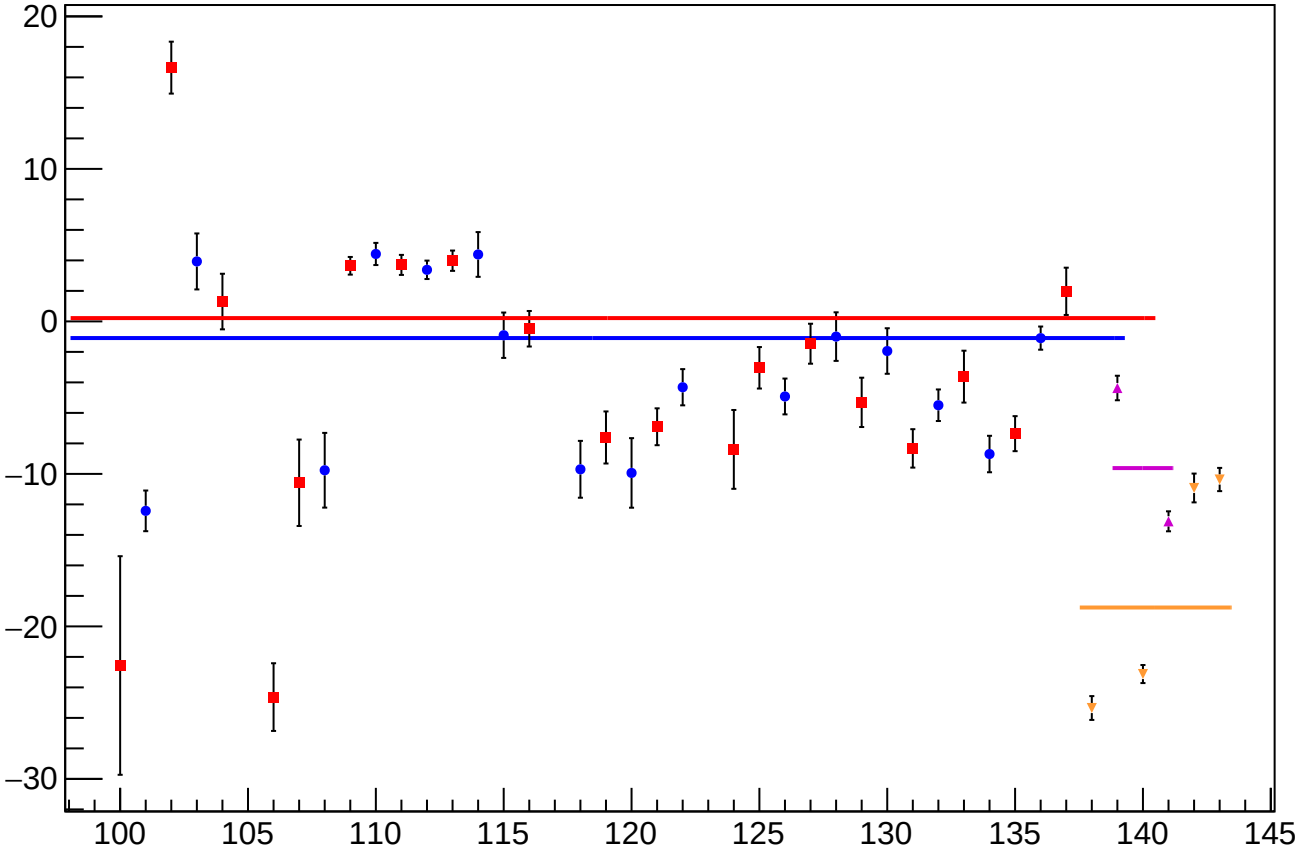
Left In: 0.233+/-0.015 χ^2/NDF:55.0/1

+ sign 0.191+/-0.009 χ^2/NDF: 177.1/19

All: 0.171+/-0.007 χ^2/NDF: 438.0/40

- sign 0.151+/-0.010 χ^2/NDF: 252.2/20

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -18.761+/-0.369 χ^2/NDF:315.7/3

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

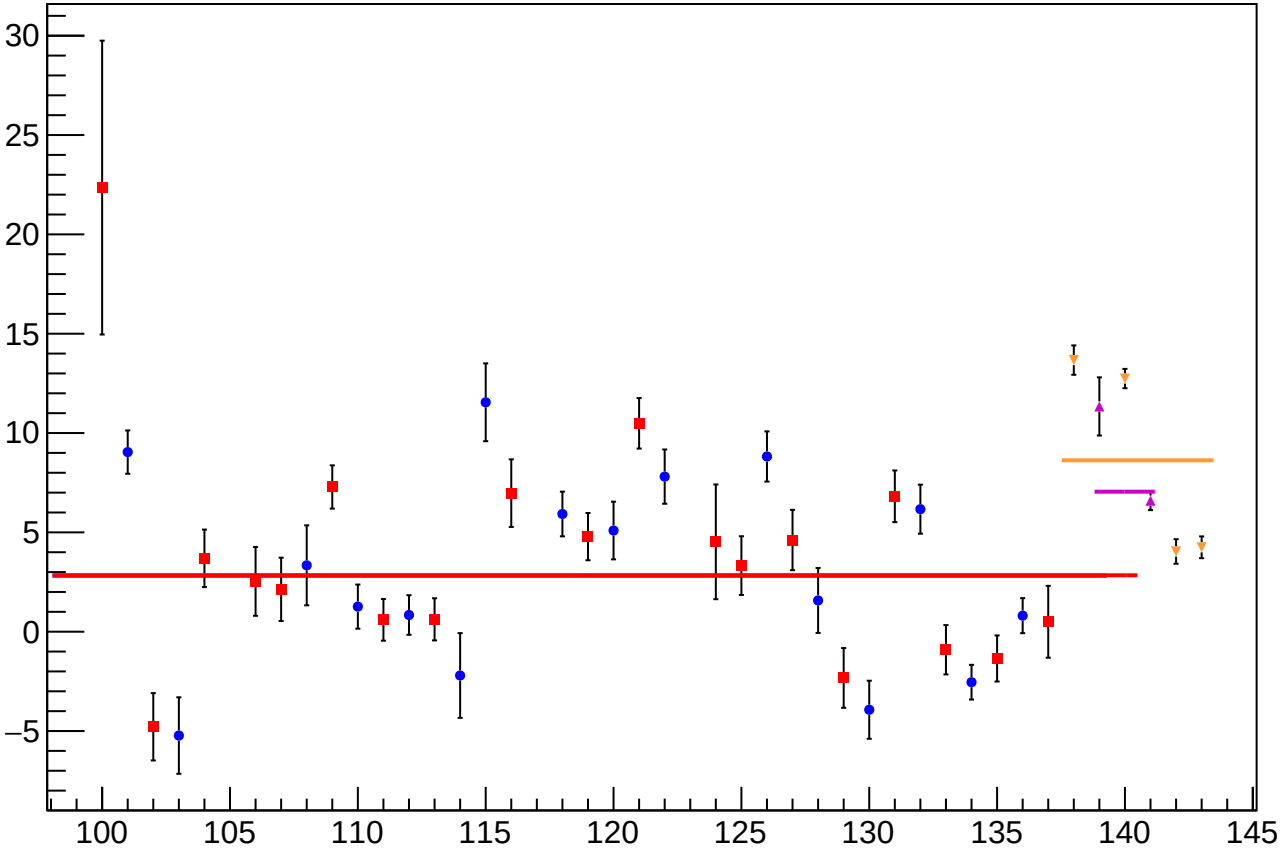
Left In: -9.619+/-0.508 χ^2/NDF:71.0/1

+ sign -7.561+/-0.223 χ^2/NDF: 2099.6/19

All: -4.884+/-0.162 χ^2/NDF: 3288.9/40

- sign -1.902+/-0.236 χ^2/NDF: 885.8/20

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 8.626+/-0.289 χ^2/NDF:237.1/3

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

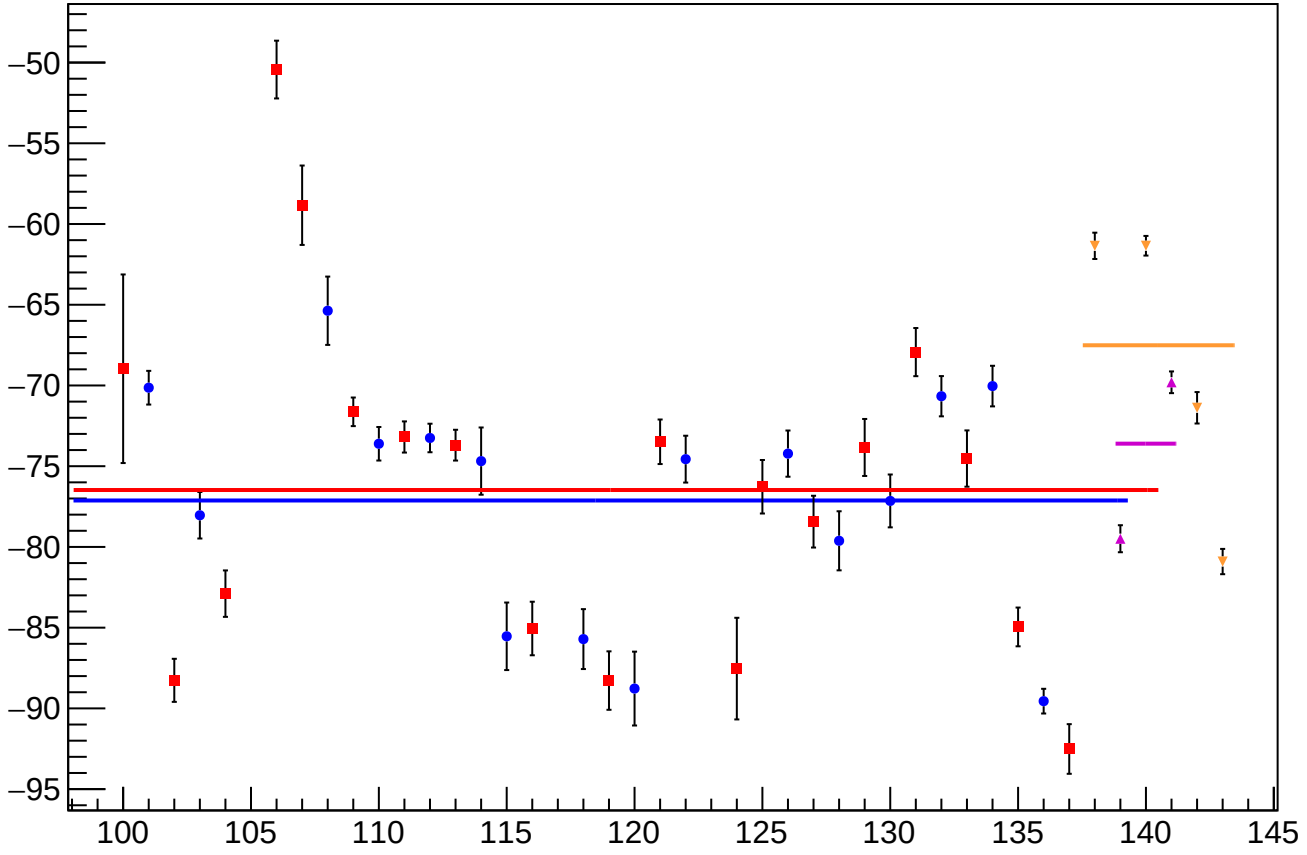
Left In: 7.048+/-0.452 χ^2/NDF:9.5/1

+ sign 5.964+/-0.212 χ^2/NDF: 622.2/19

All: 5.289+/-0.165 χ^2/NDF: 859.7/40

- sign 4.257+/-0.262 χ^2/NDF: 211.8/20

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -67.510+/-0.381 χ^2/NDF:468.0/3

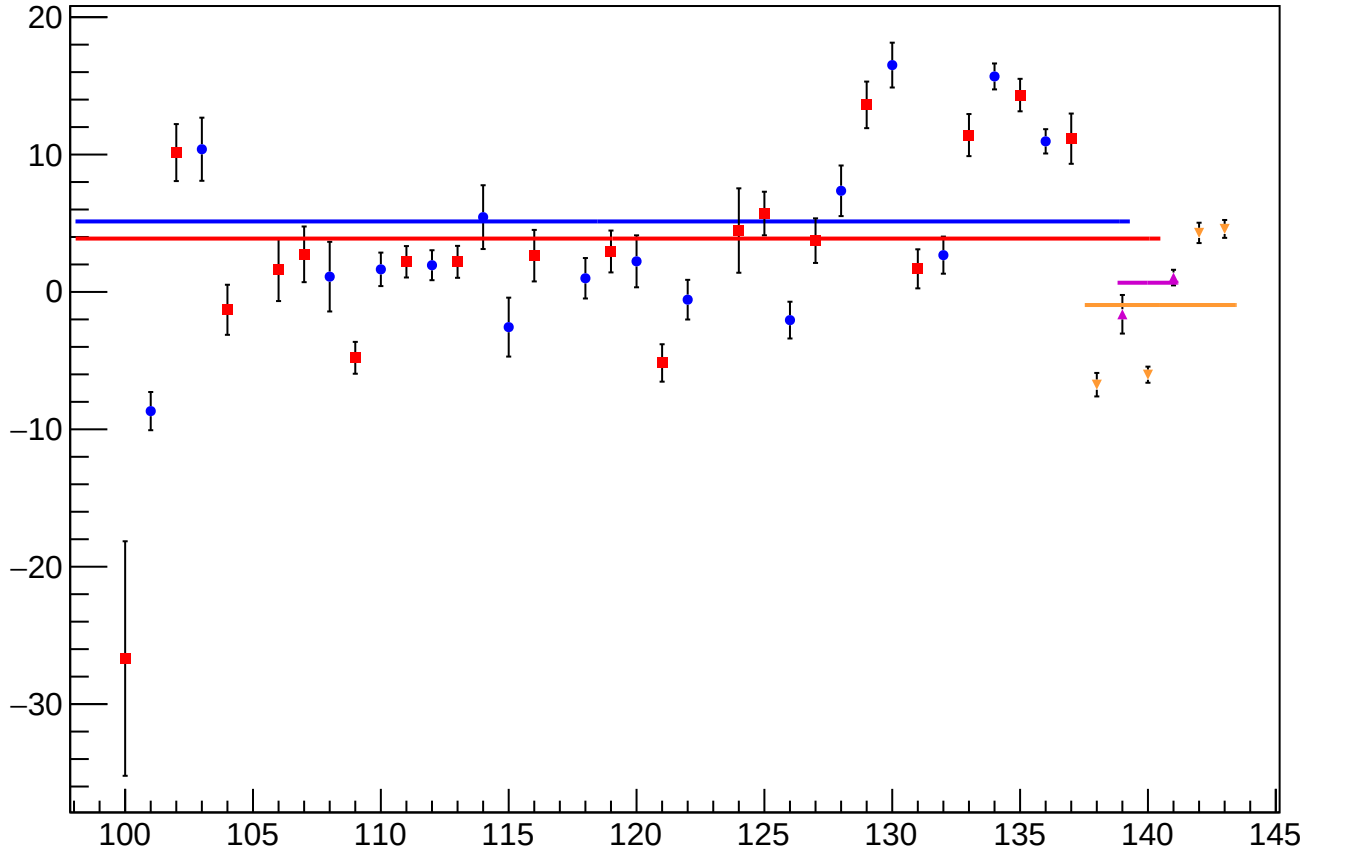
Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -73.604+/-0.524 χ^2/NDF:81.4/1

+ sign -73.055+/-0.248 χ^2/NDF: 1338.6/19

All: -74.209+/-0.185 χ^2/NDF: 2186.4/40

- sign -75.665+/-0.278 χ^2/NDF: 798.8/20



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: -0.951+/-0.344 χ^2/NDF:243.6/3

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

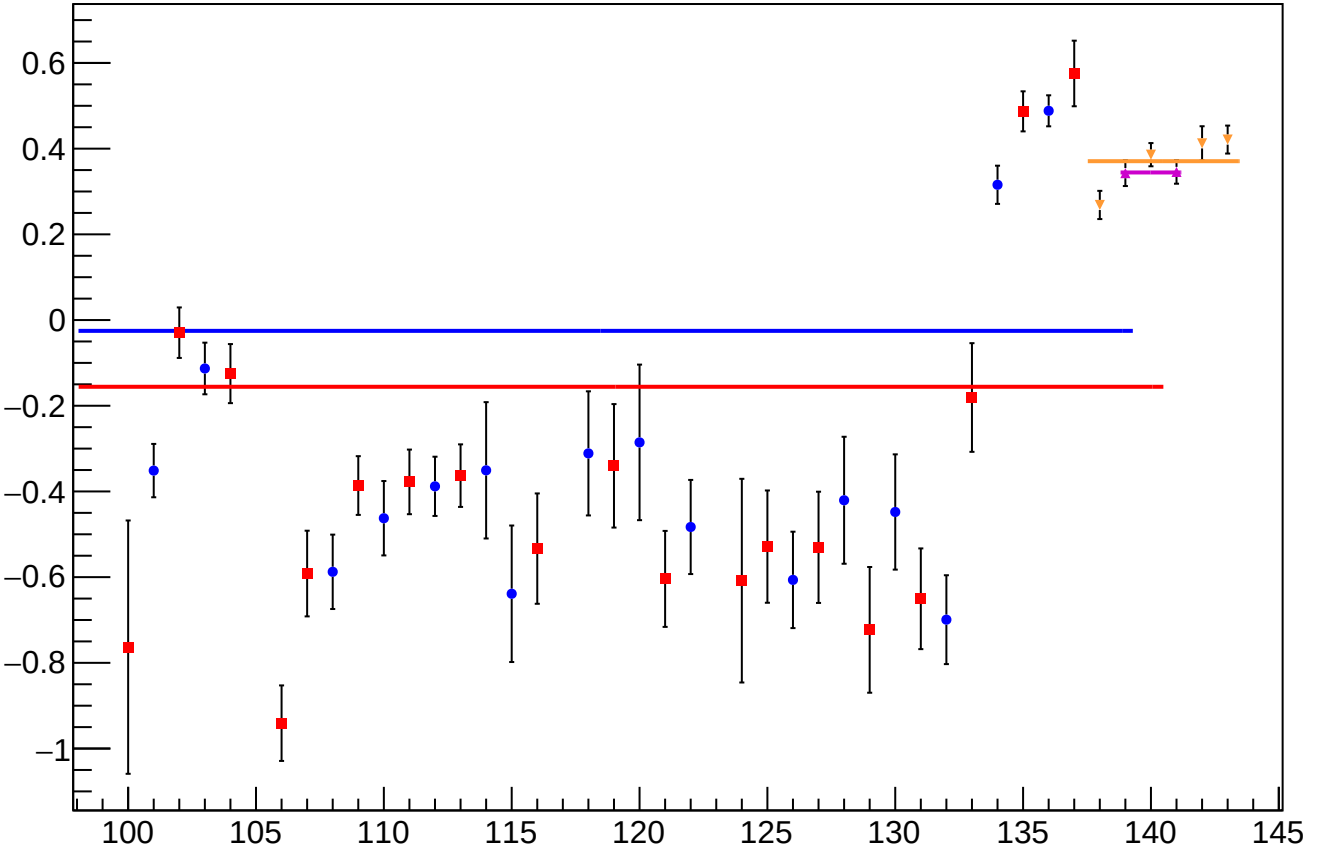
Left In: 0.670+/-0.526 χ^2/NDF:3.1/1

+ sign 2.038+/-0.245 χ^2/NDF: 809.8/19

All: 2.367+/-0.189 χ^2/NDF: 1134.2/40

- sign 2.854+/-0.298 χ^2/NDF: 319.9/20

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.371+/-0.016 χ^2/NDF:13.4/3

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

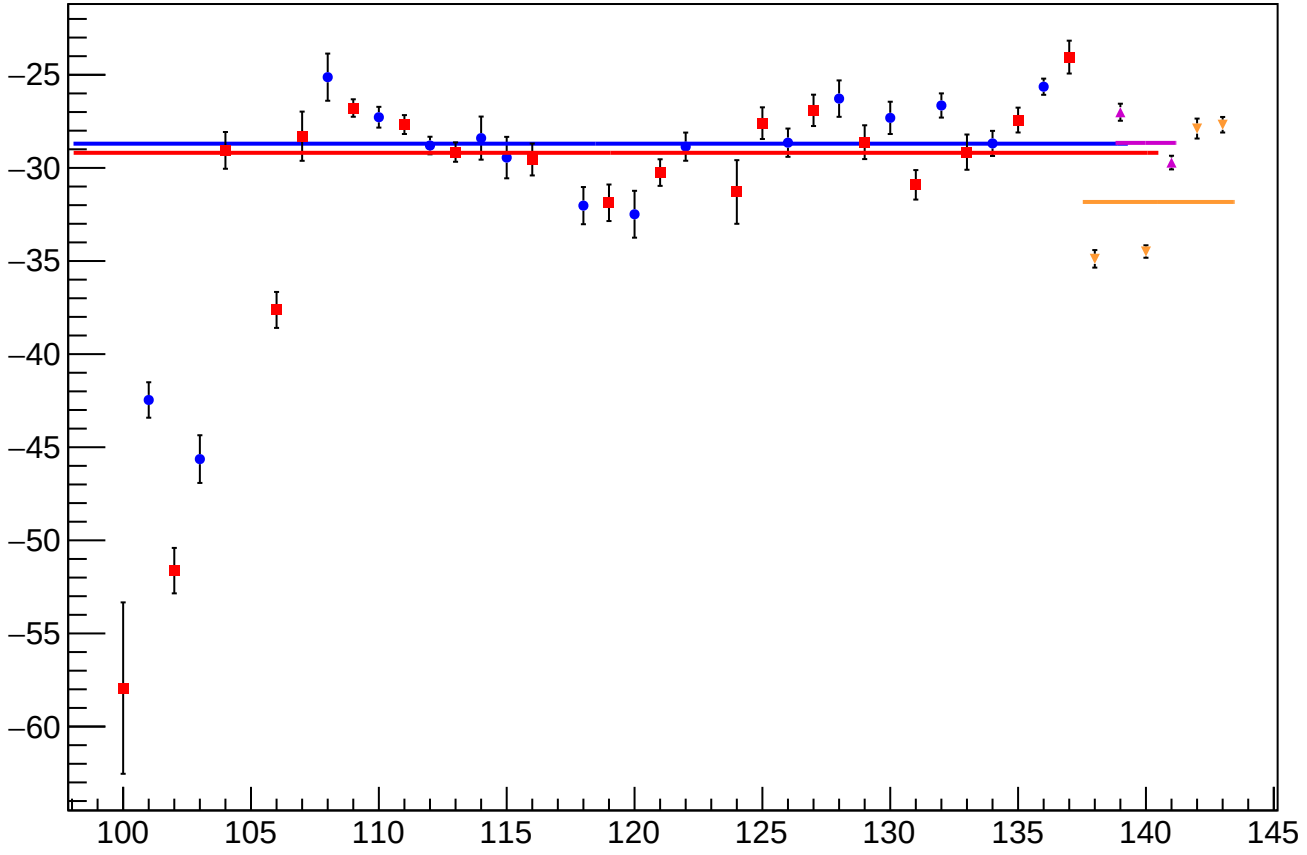
Left In: 0.344+/-0.020 χ^2/NDF:0.0/1

+ sign 0.204+/-0.012 χ^2/NDF: 779.4/19

All: 0.157+/-0.009 χ^2/NDF: 1613.7/40

- sign 0.093+/-0.014 χ^2/NDF: 799.4/20

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -31.828+/-0.210 χ^2/NDF:257.8/3

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

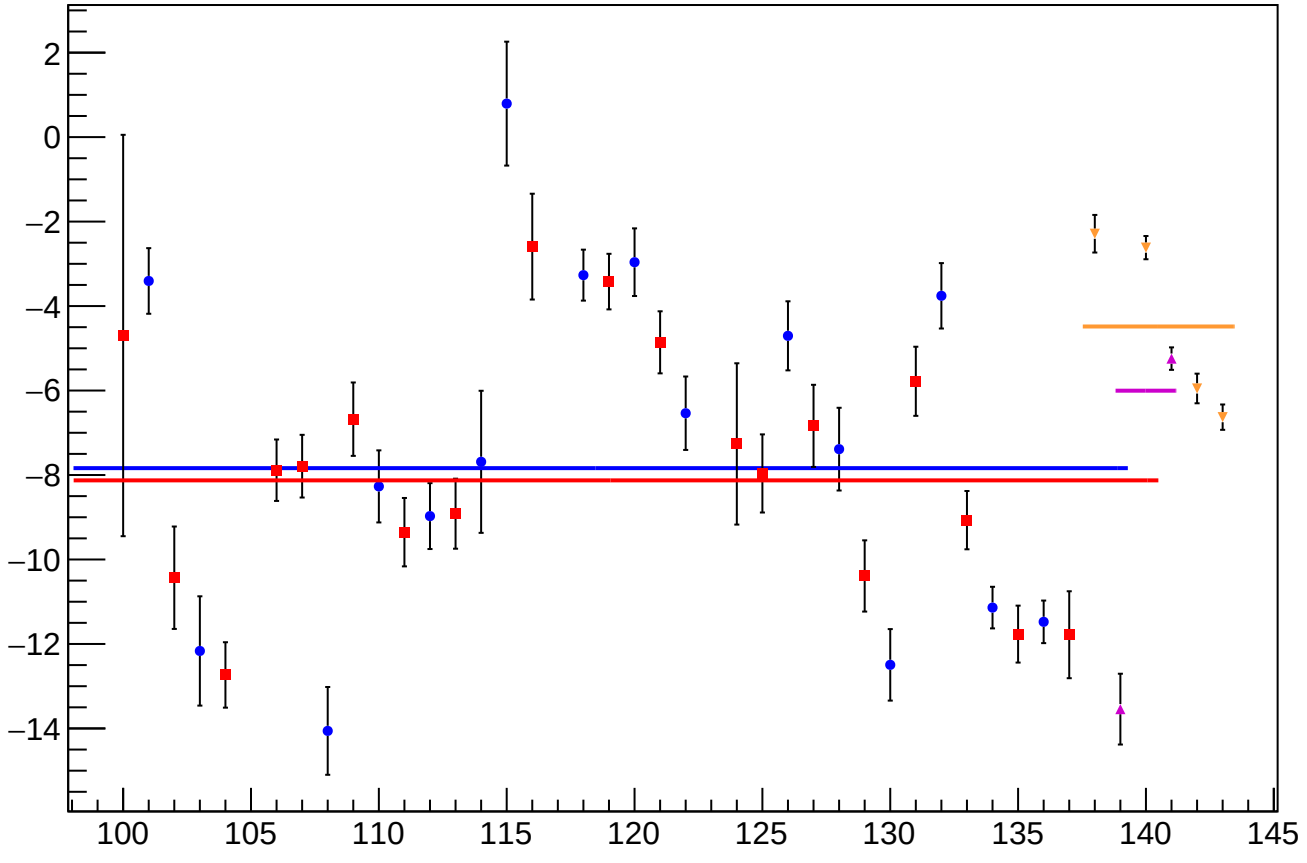
Left In: -28.656+/-0.286 χ^2/NDF:21.3/1

+ sign -30.072+/-0.139 χ^2/NDF: 869.5/19

All: -29.603+/-0.103 χ^2/NDF: 1475.6/40

- sign -29.036+/-0.153 χ^2/NDF: 581.0/20

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -4.484+/-0.163 χ^2/NDF:139.1/3

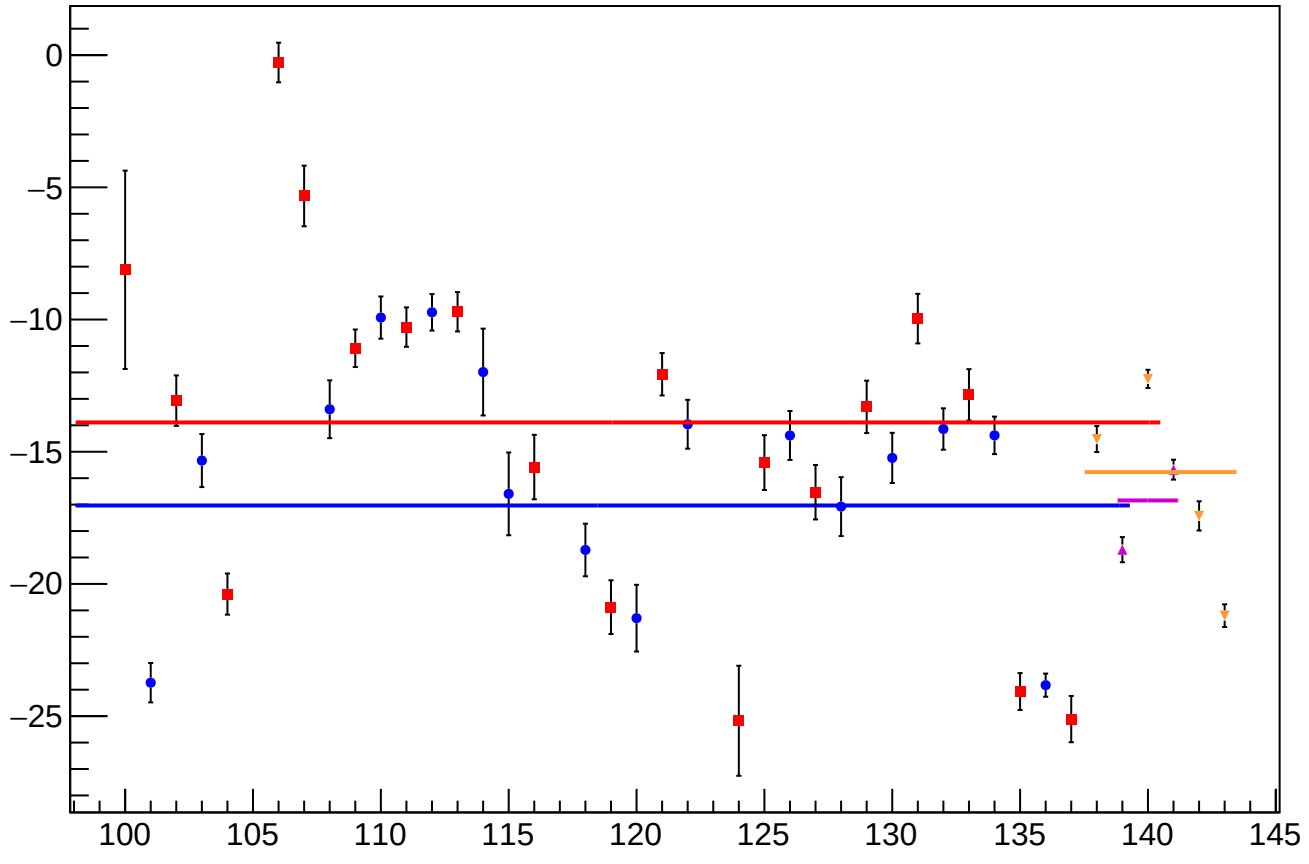
Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.004+/-0.254 χ^2/NDF:89.1/1

+ sign -5.866+/-0.125 χ^2/NDF: 696.2/19

All: -6.442+/-0.097 χ^2/NDF: 1080.1/40

- sign -7.329+/-0.155 χ^2/NDF: 330.2/20



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -15.769+/-0.217 χ^2/NDF:280.1/3

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

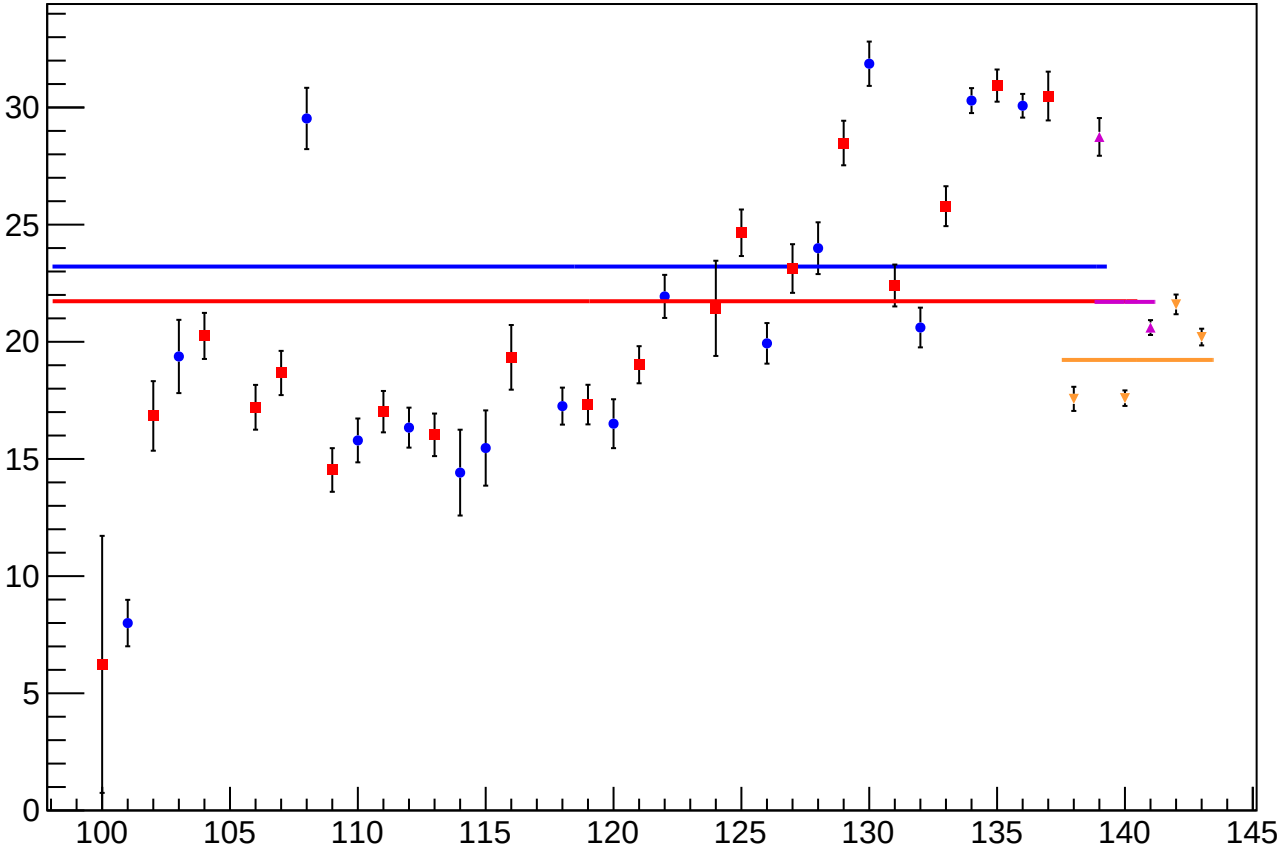
Left In: -16.842+/-0.295 χ^2/NDF:24.9/1

+ sign -16.423+/-0.151 χ^2/NDF: 898.9/19

All: -15.747+/-0.113 χ^2/NDF: 2053.6/40

- sign -14.879+/-0.171 χ^2/NDF: 1108.8/20

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 19.227+/-0.195 χ^2/NDF:74.0/3

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

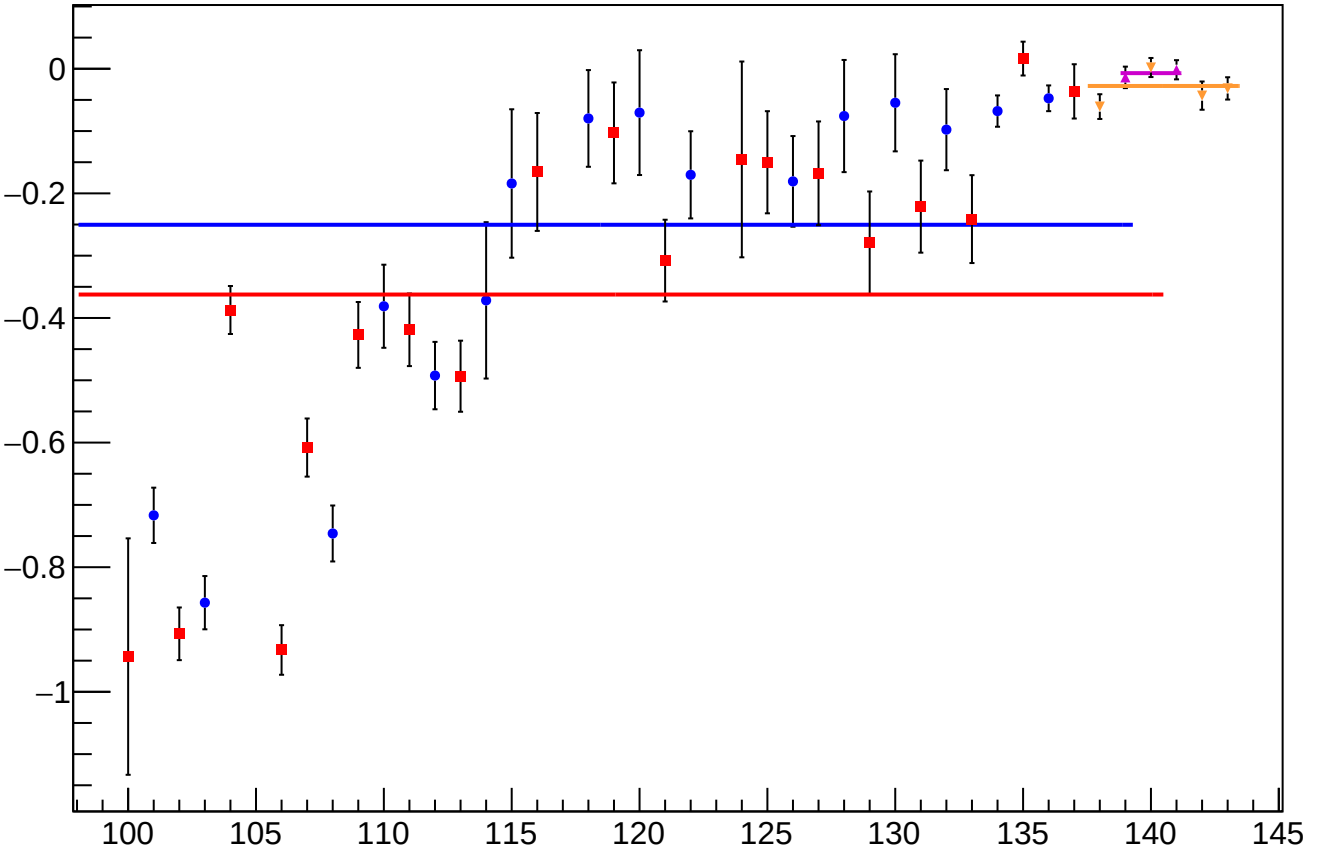
Left In: 21.704+/-0.295 χ^2/NDF:88.4/1

+ sign 20.993+/-0.145 χ^2/NDF: 1268.0/19

All: 21.283+/-0.113 χ^2/NDF: 1924.6/40

- sign 21.721+/-0.179 χ^2/NDF: 646.7/20

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.028+/-0.009 χ^2/NDF:7.0/3

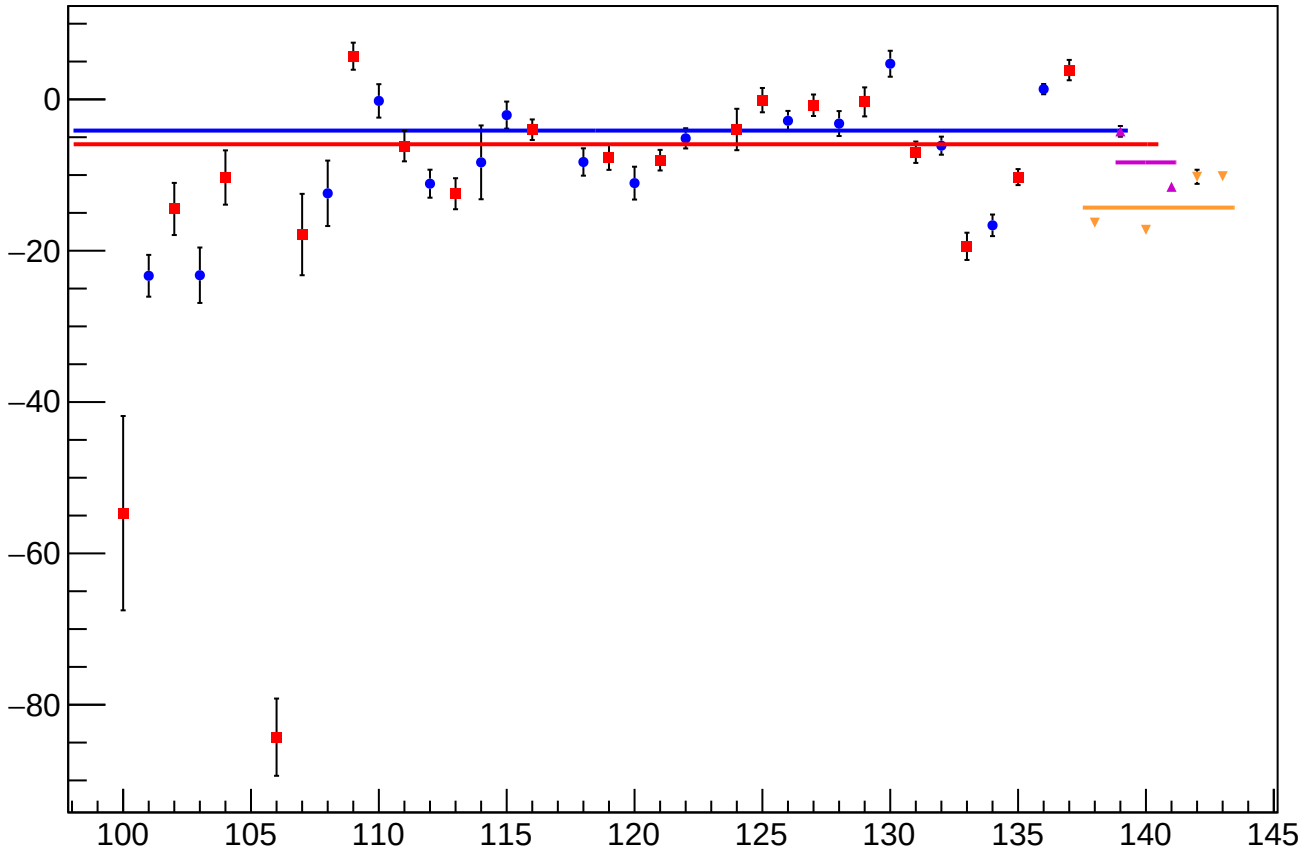
Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.007+/-0.011 χ^2/NDF:0.3/1

+ sign -0.113+/-0.007 χ^2/NDF: 866.0/19

All: -0.138+/-0.005 χ^2/NDF: 2043.0/40

- sign -0.172+/-0.008 χ^2/NDF: 1148.7/20



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -14.303+/-0.336 χ^2/NDF:94.3/3

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

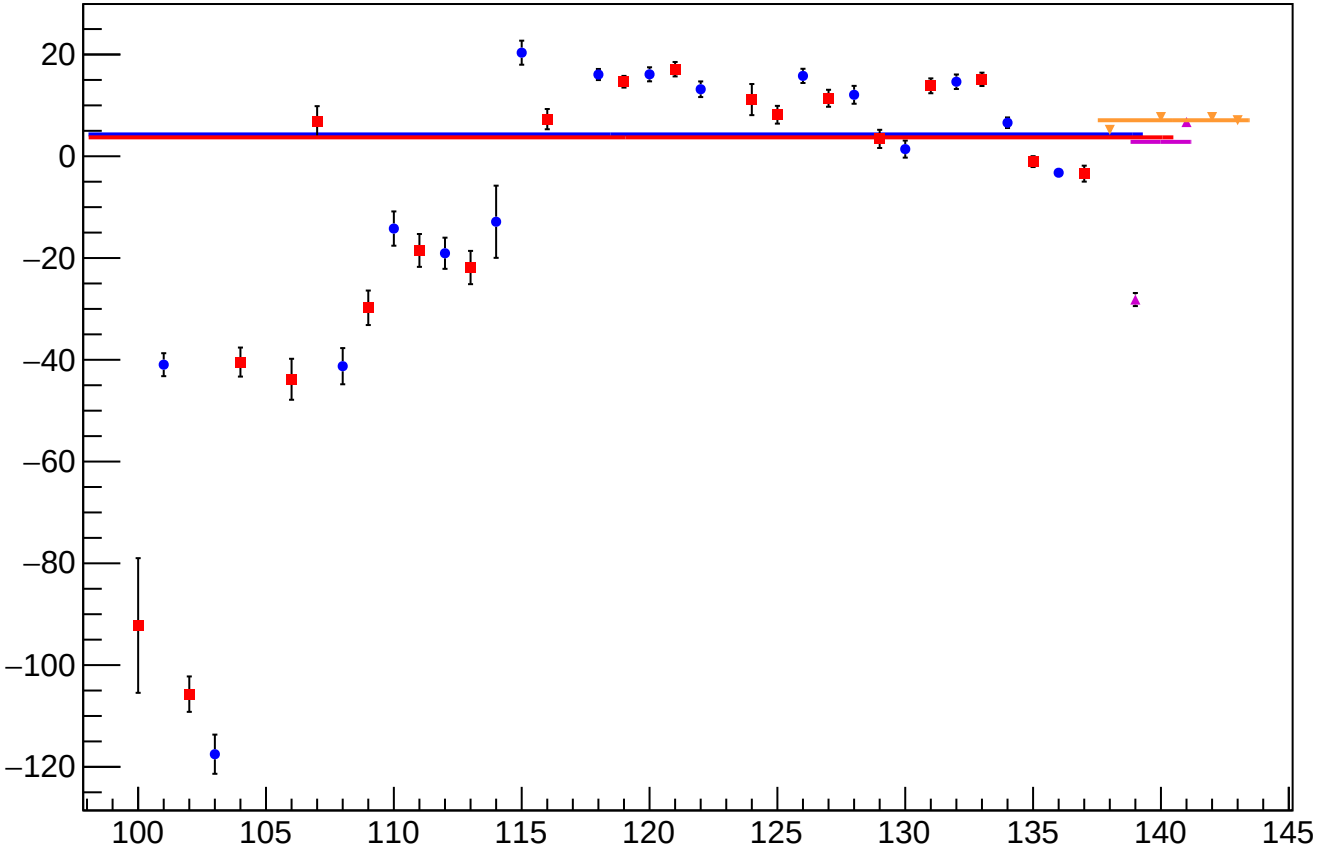
Left In: -8.330+/-0.470 χ^2/NDF:59.9/1

+ sign -9.859+/-0.252 χ^2/NDF: 782.8/19

All: -8.696+/-0.195 χ^2/NDF: 1393.2/40

- sign -6.961+/-0.308 χ^2/NDF: 557.4/20

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 7.077+/-0.265 χ^2/NDF:11.7/3

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

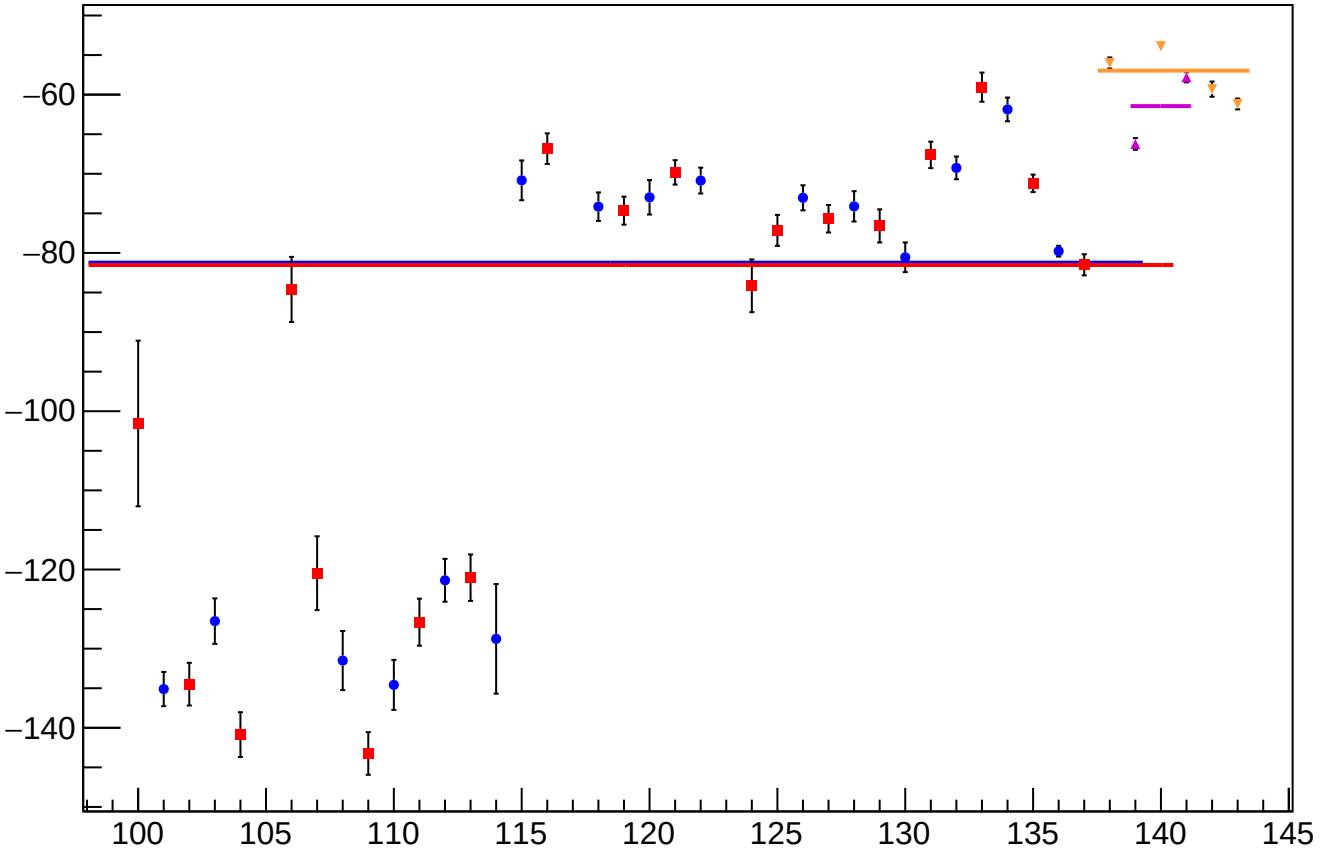
Left In: 2.831+/-0.430 χ^2/NDF:653.8/1

+ sign 6.182+/-0.218 χ^2/NDF: 2216.3/19

All: 5.183+/-0.177 χ^2/NDF: 4940.3/40

- sign 3.281+/-0.301 χ^2/NDF: 2663.2/20

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -56.969+/-0.347 χ^2/NDF:74.5/3

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

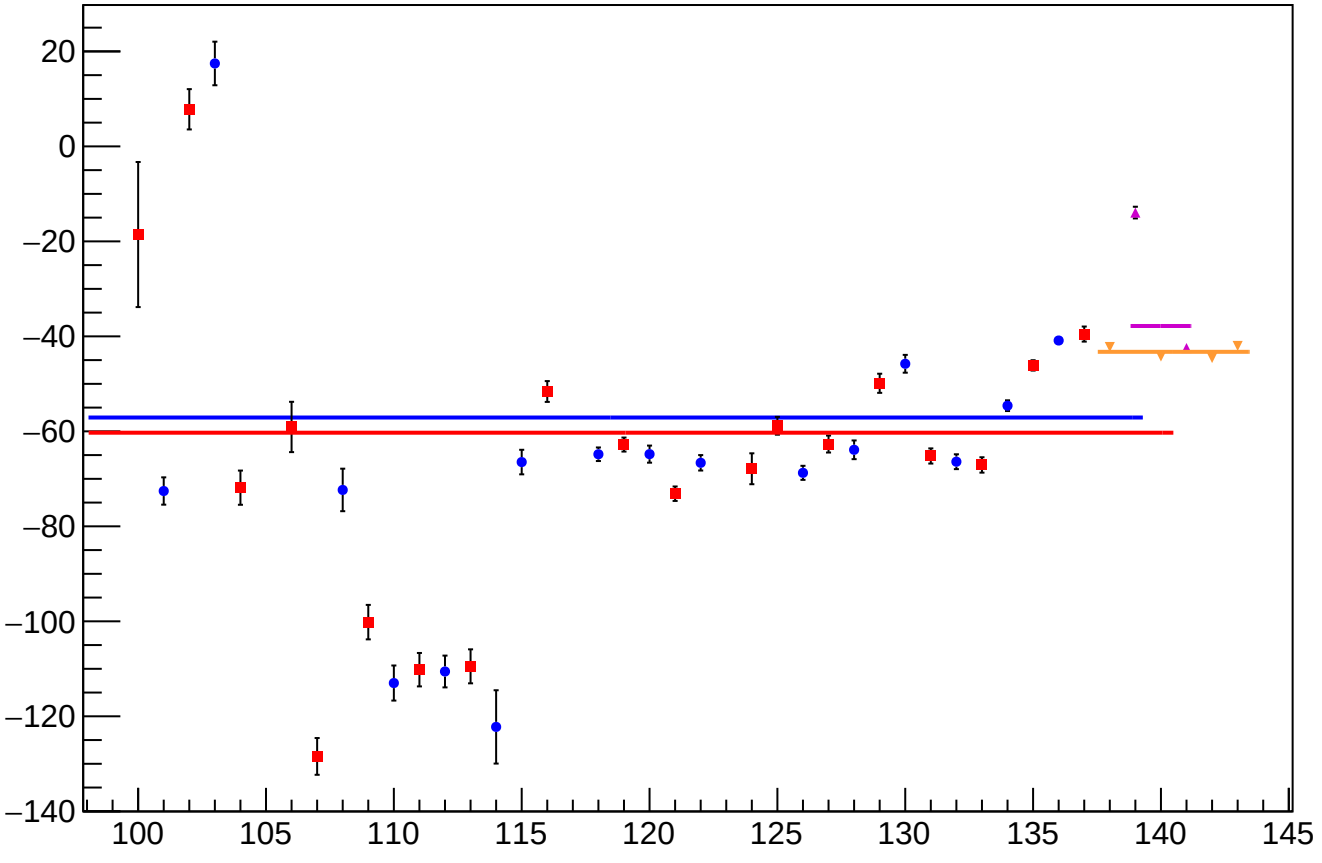
Left In: -61.448+/-0.485 χ^2/NDF:74.1/1

+ sign -66.894+/-0.267 χ^2/NDF: 4047.6/19

All: -68.872+/-0.208 χ^2/NDF: 7455.2/40

- sign -71.982+/-0.334 χ^2/NDF: 3266.1/20

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -43.256+/-0.315 χ^2/NDF:12.9/3

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

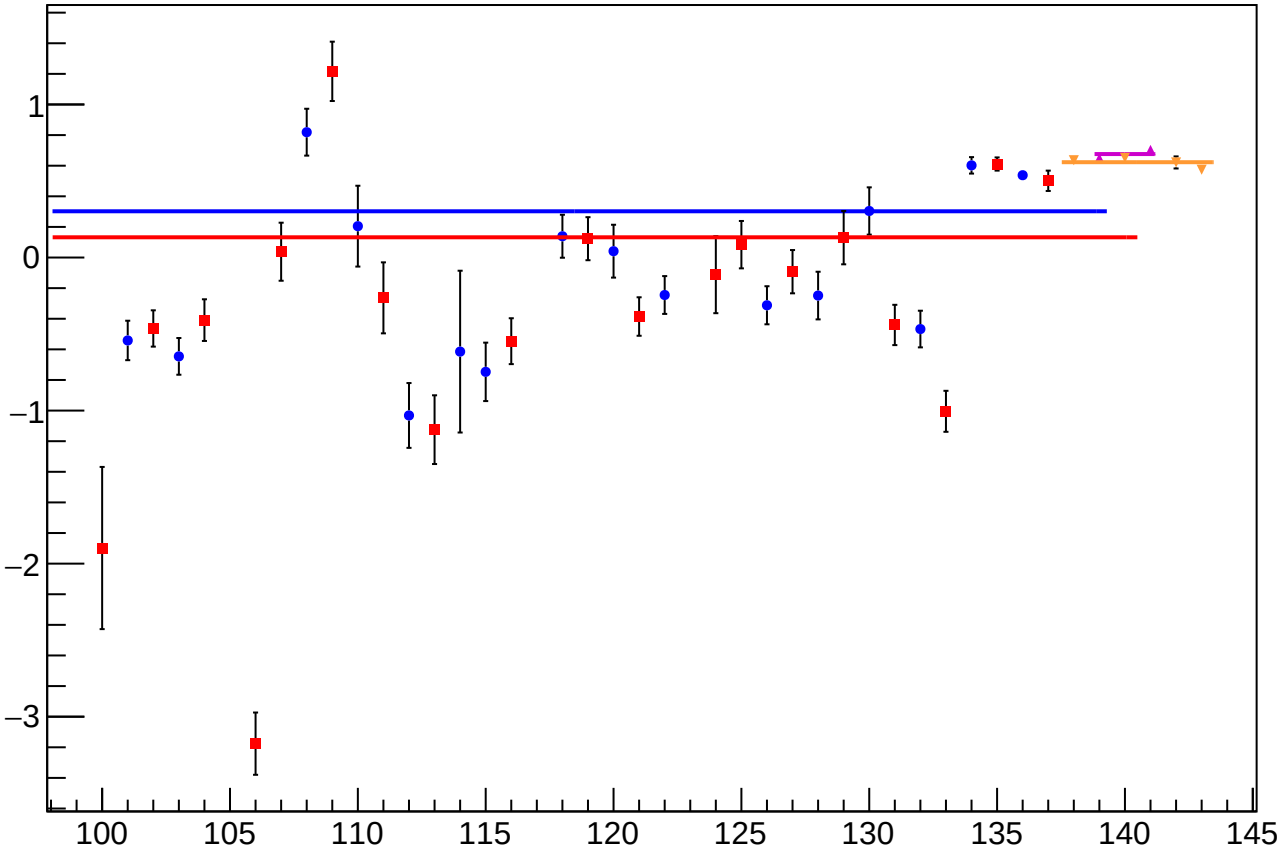
Left In: -37.818+/-0.498 χ^2/NDF:447.5/1

+ sign -48.157+/-0.253 χ^2/NDF: 2221.4/19

All: -48.703+/-0.204 χ^2/NDF: 5347.0/40

- sign -49.696+/-0.342 χ^2/NDF: 3112.5/20

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.623+/-0.015 χ^2/NDF:4.4/3

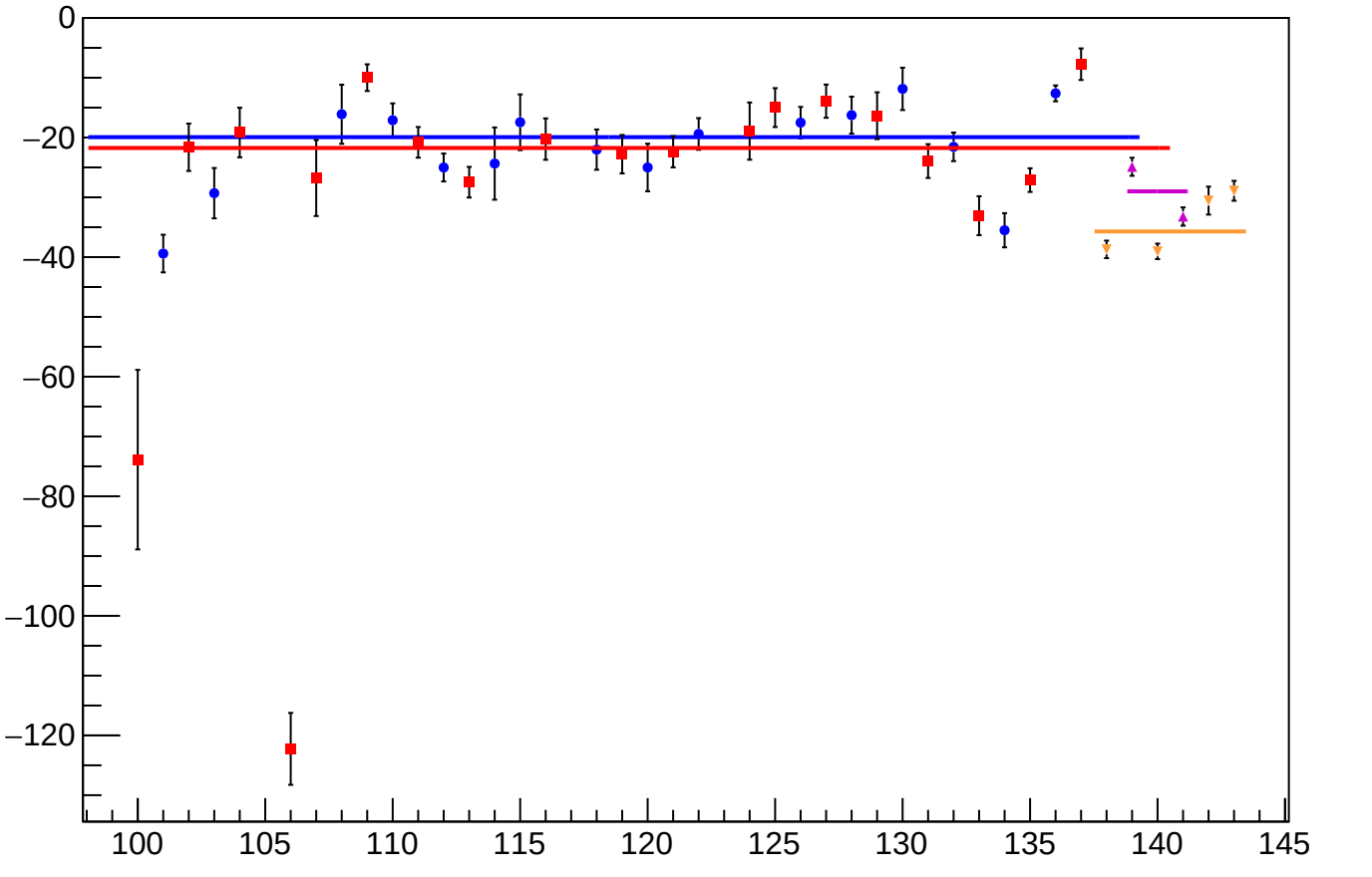
Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.676+/-0.019 χ^2/NDF:2.1/1

+ sign 0.530+/-0.012 χ^2/NDF: 518.0/19

All: 0.516+/-0.010 χ^2/NDF: 1477.2/40

- sign 0.496+/-0.015 χ^2/NDF: 956.1/20



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.708+/-0.789 χ^2/NDF:32.3/3

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

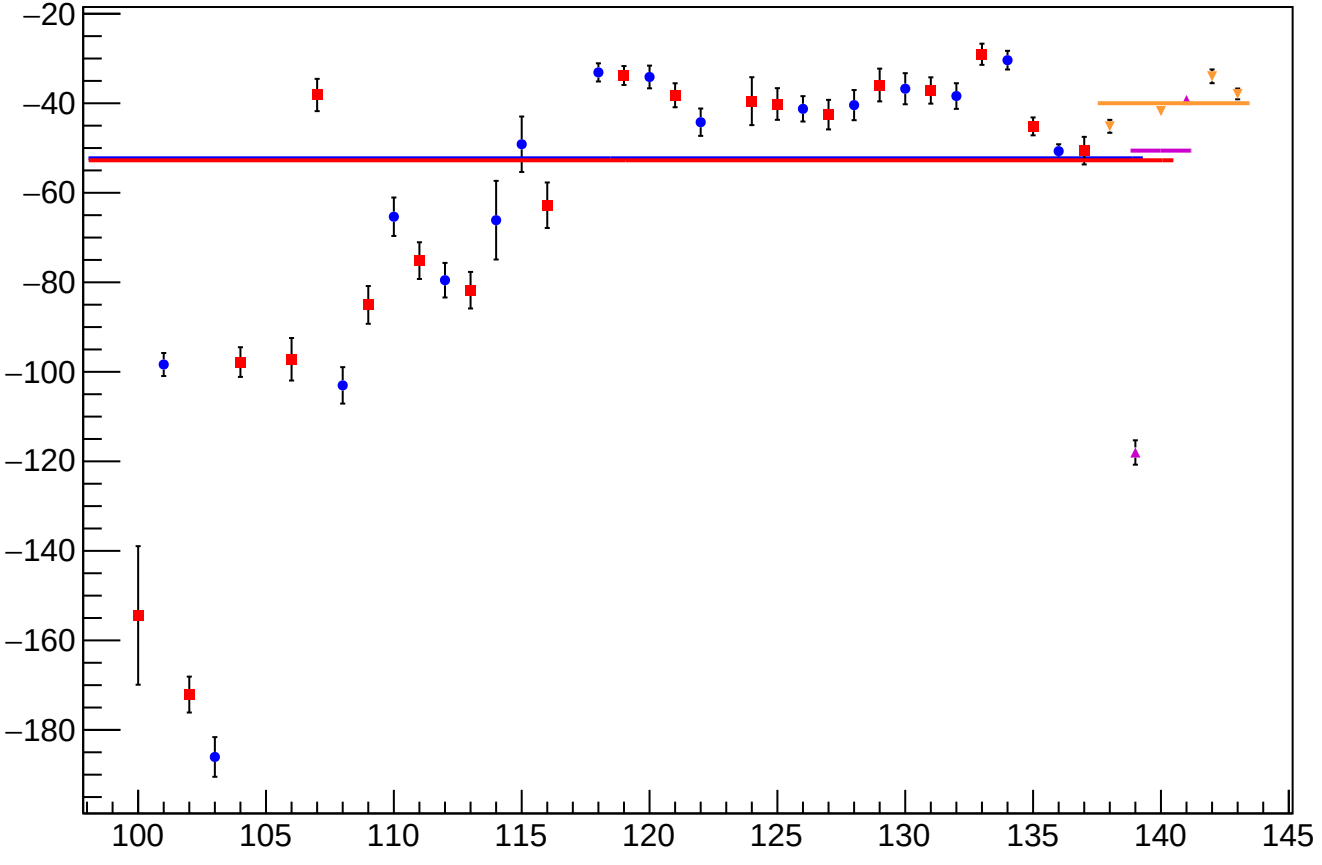
Left In: -29.001+/-1.074 χ^2/NDF:15.0/1

+ sign -26.826+/-0.521 χ^2/NDF: 378.1/19

All: -25.584+/-0.392 χ^2/NDF: 826.2/40

- sign -23.969+/-0.594 χ^2/NDF: 435.0/20

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.988+/-0.638 χ^2/NDF:33.7/3

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

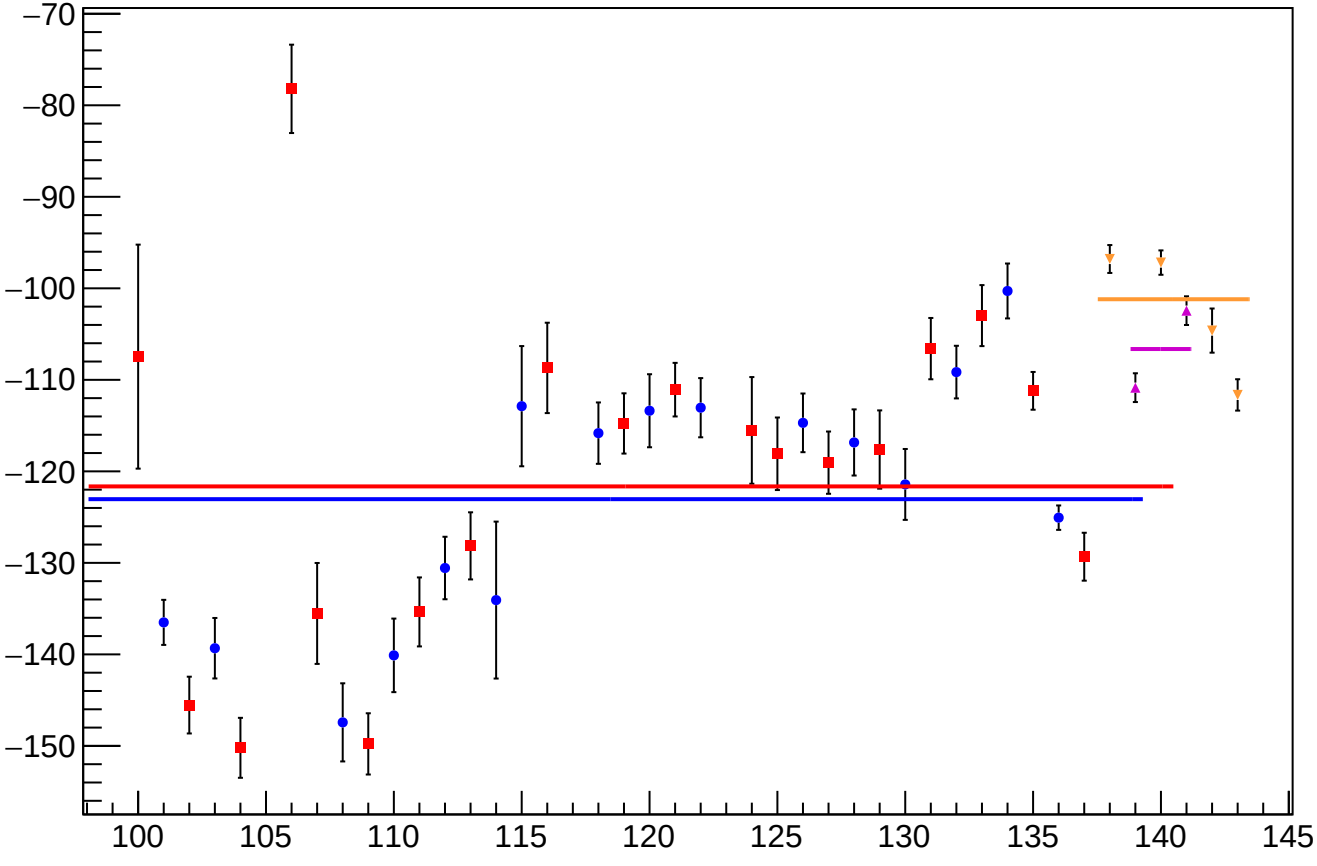
Left In: -50.577+/-1.033 χ^2/NDF:714.4/1

+ sign -45.504+/-0.474 χ^2/NDF: 1978.7/19

All: -47.968+/-0.373 χ^2/NDF: 4429.6/40

- sign -51.994+/-0.606 χ^2/NDF: 2379.8/20

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.193+/-0.815 χ^2/NDF:56.6/3

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

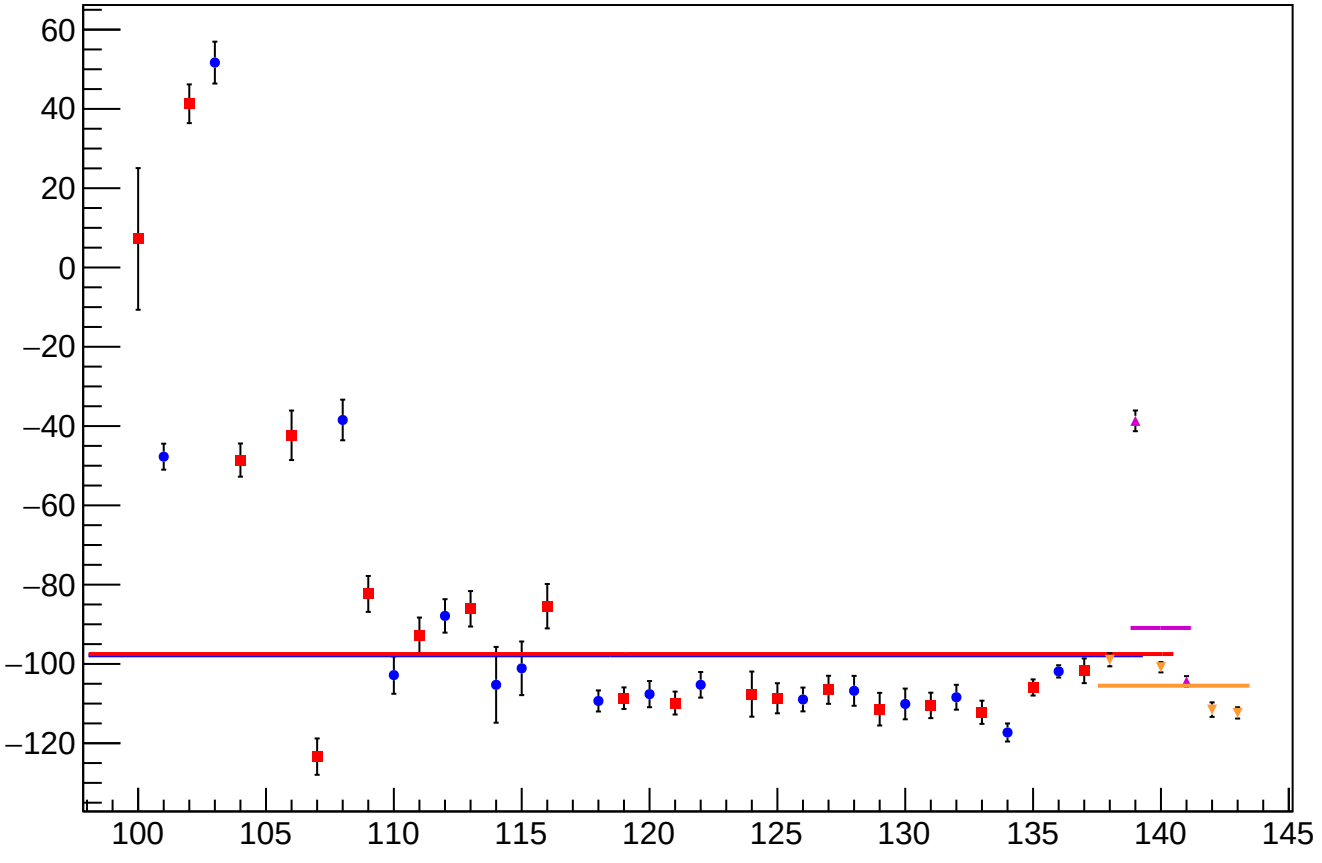
Left In: -106.633+/-1.110 χ^2/NDF:14.4/1

+ sign -113.019+/-0.552 χ^2/NDF: 672.6/19

All: -114.480+/-0.421 χ^2/NDF: 1248.4/40

- sign -116.504+/-0.650 χ^2/NDF: 559.1/20

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.486+/-0.756 χ^2/NDF:62.5/3

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

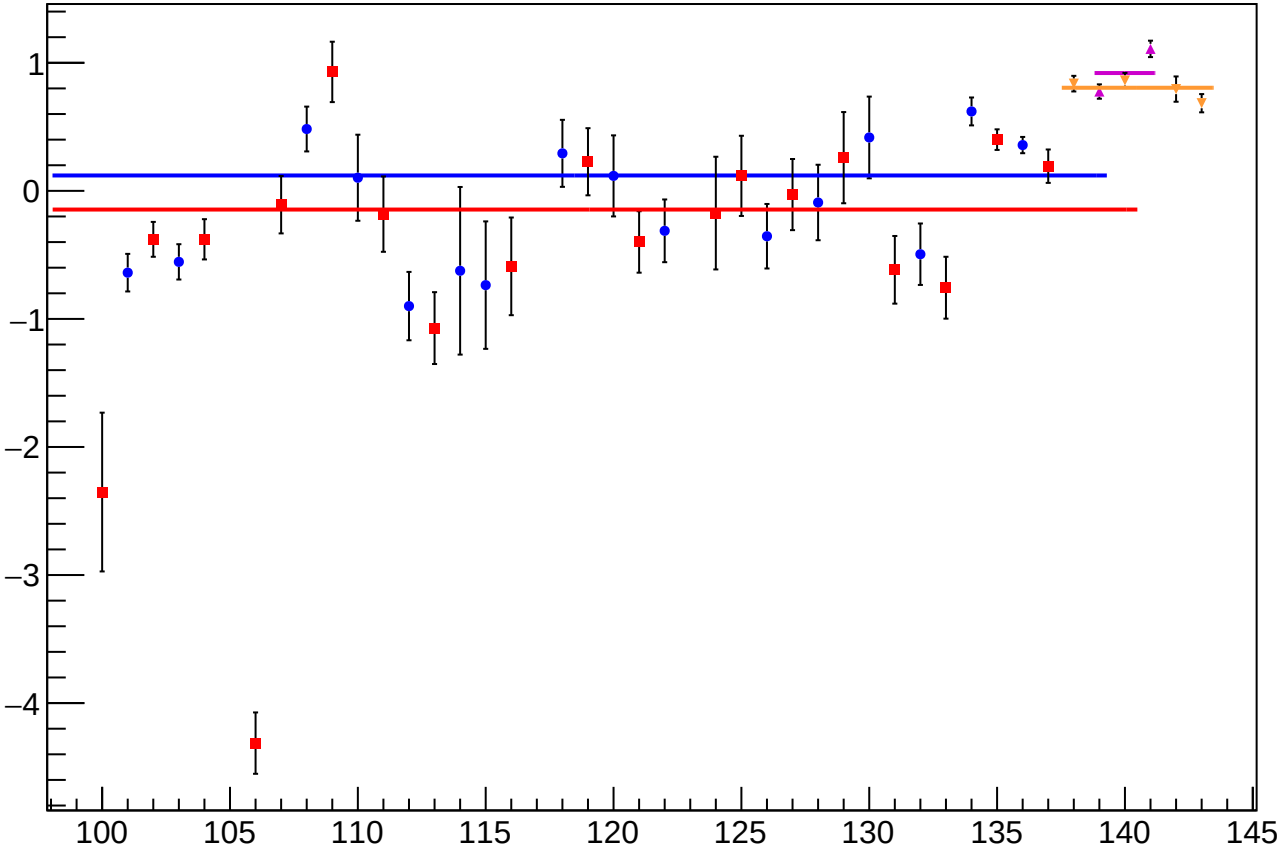
Left In: -90.923+/-1.185 χ^2/NDF:502.0/1

+ sign -101.835+/-0.547 χ^2/NDF: 1442.4/19

All: -99.295+/-0.428 χ^2/NDF: 3256.9/40

- sign -95.292+/-0.687 χ^2/NDF: 1759.0/20

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.805+/-0.034 χ^2/NDF:4.1/3

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

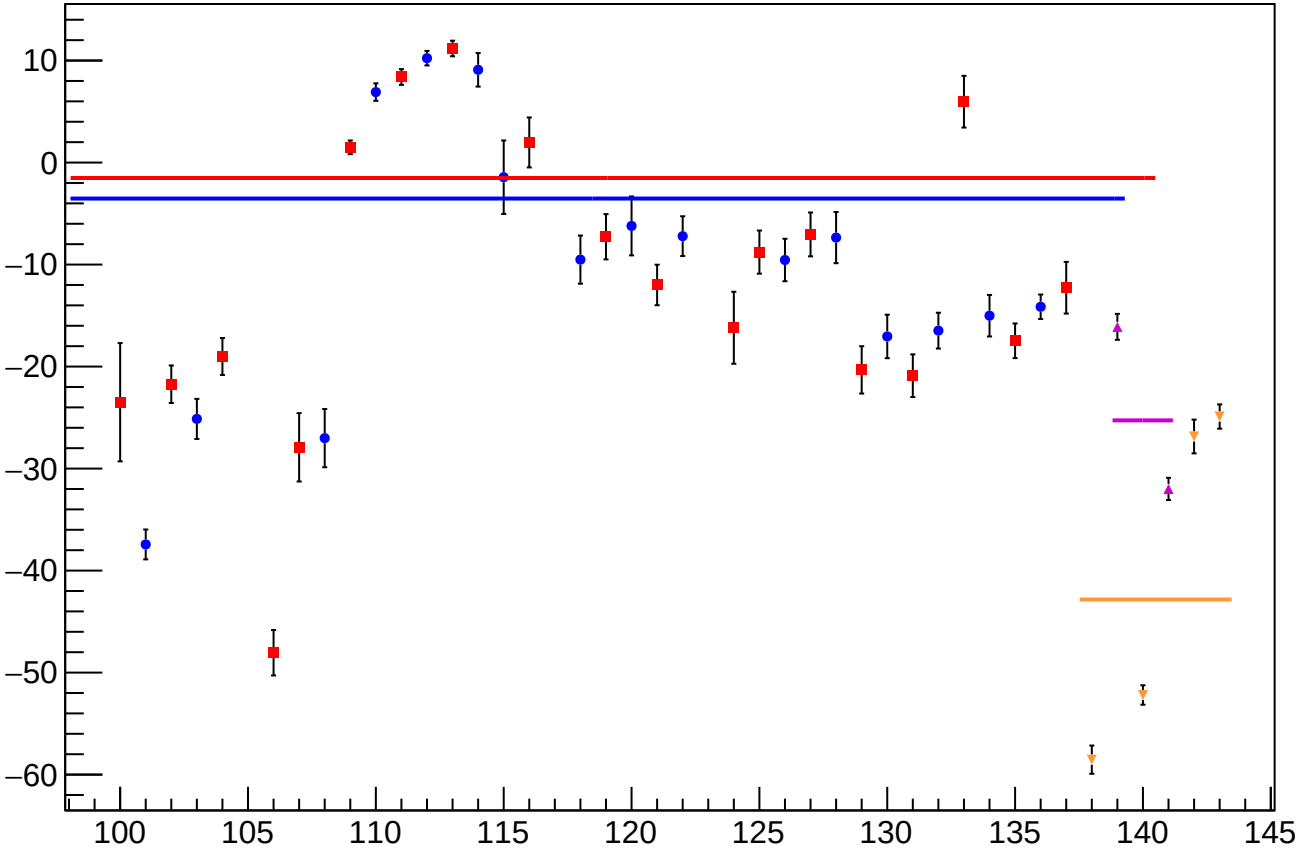
Left In: 0.920+/-0.042 χ^2/NDF:15.3/1

+ sign 0.526+/-0.026 χ^2/NDF: 291.5/19

All: 0.481+/-0.020 χ^2/NDF: 1033.9/40

- sign 0.419+/-0.031 χ^2/NDF: 735.4/20

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -42.835+/-0.610 χ^2/NDF:545.1/3

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

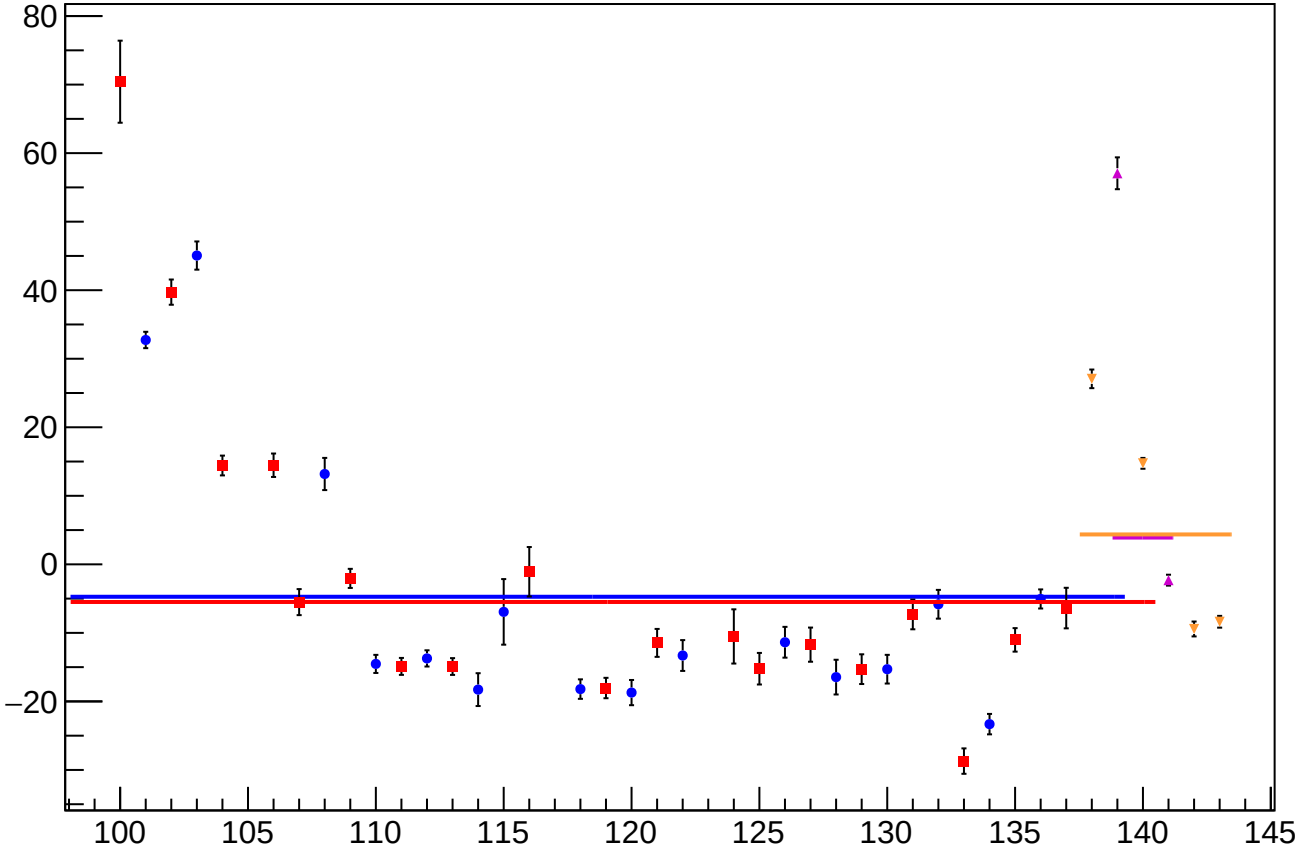
Left In: -25.273+/-0.828 χ^2/NDF:89.9/1

+ sign -14.394+/-0.320 χ^2/NDF: 5083.3/19

All: -9.547+/-0.224 χ^2/NDF: 7851.0/40

- sign -4.917+/-0.313 χ^2/NDF: 2320.6/20

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: 4.364+/-0.480 χ^2/NDF:832.4/3

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

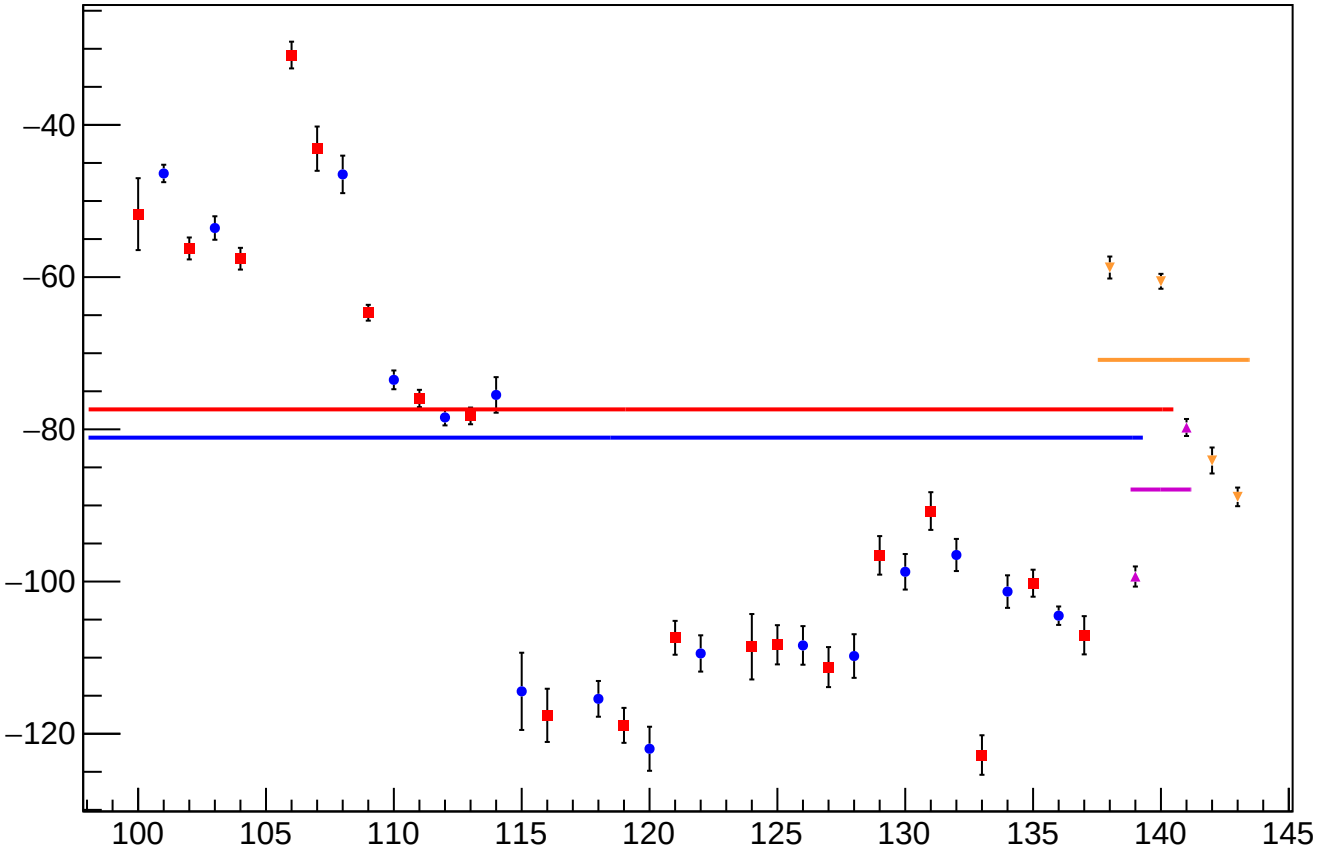
Left In: 3.907+/-0.752 χ^2/NDF:584.1/1

\+ sign -0.671+/-0.321 χ^2/NDF: 3179.2/19

All: -1.779+/-0.242 χ^2/NDF: 5418.2/40

\- sign -3.240+/-0.368 χ^2/NDF: 2211.4/20

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -70.872+/-0.629 χ^2/NDF:457.5/3

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

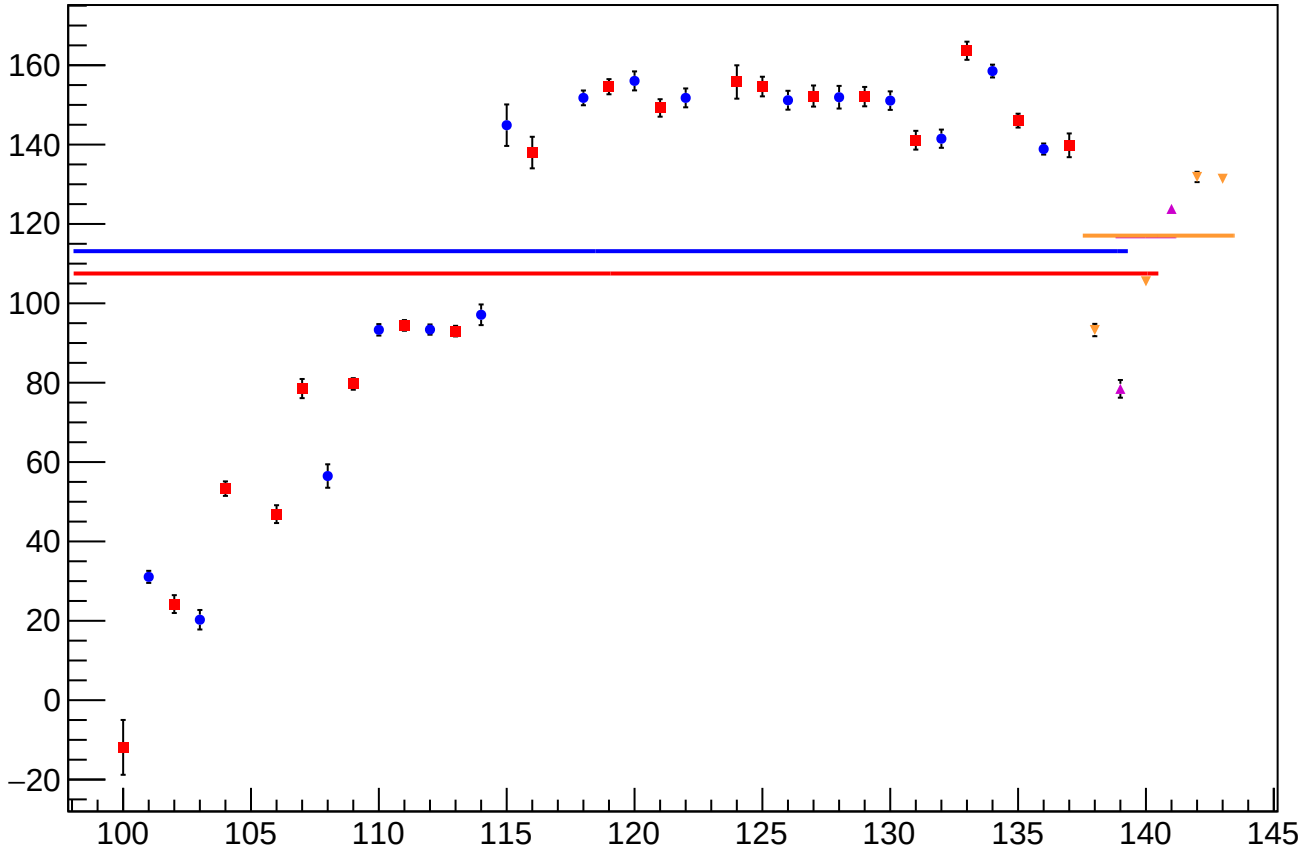
Left In: -87.909+/-0.854 χ^2/NDF:127.7/1

+ sign -77.749+/-0.360 χ^2/NDF: 3505.5/19

All: -78.543+/-0.259 χ^2/NDF: 6895.8/40

- sign -79.404+/-0.375 χ^2/NDF: 3380.1/20

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 117.060+/-0.570 χ^2/NDF:707.7/3

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

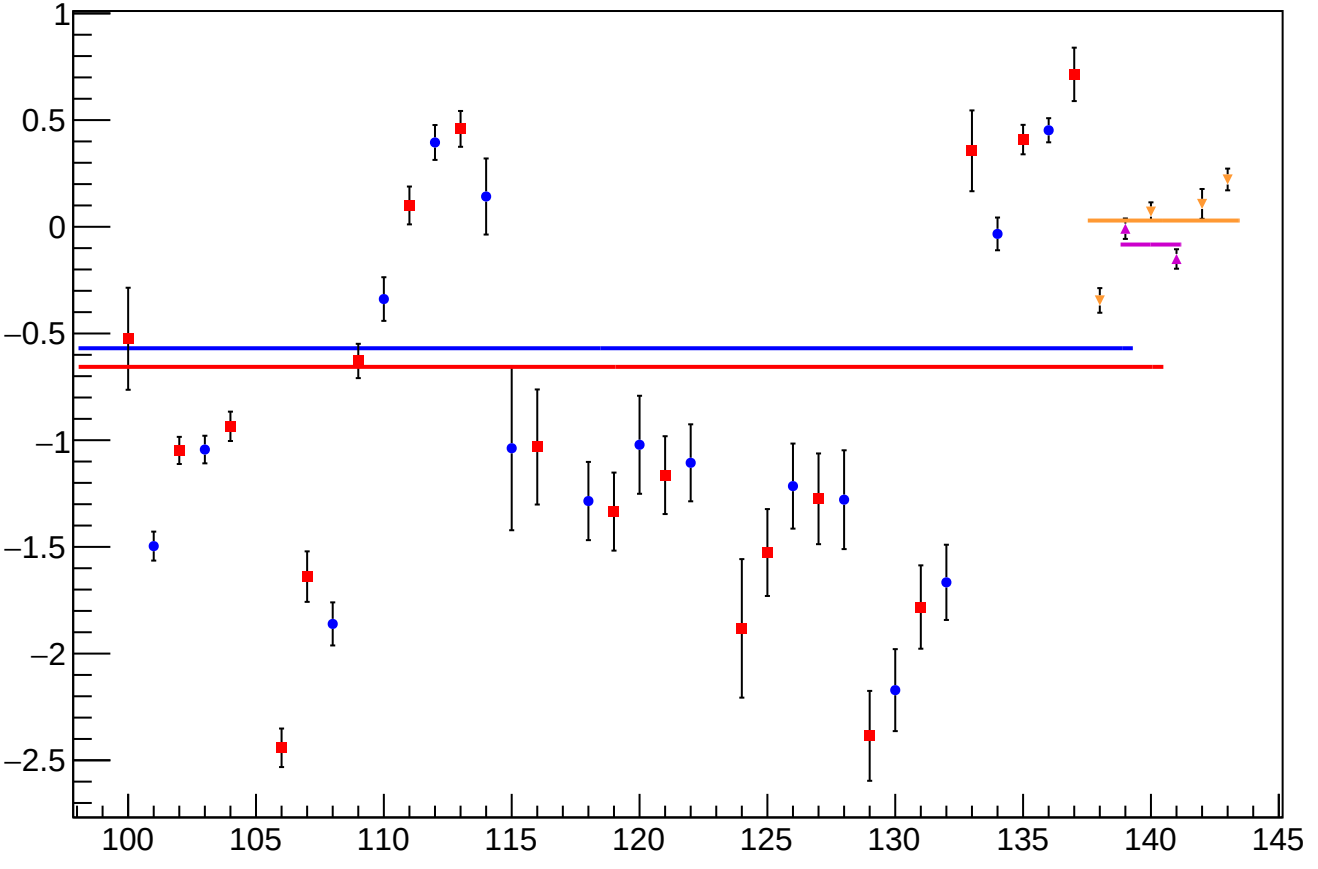
Left In: 116.886+/-0.871 χ^2/NDF:350.0/1

+ sign 114.803+/-0.371 χ^2/NDF: 8939.0/19

All: 112.562+/-0.278 χ^2/NDF: 17005.0/40

- sign 109.694+/-0.420 χ^2/NDF: 7982.9/20

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.029+/-0.027 χ^2/NDF:58.5/3

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

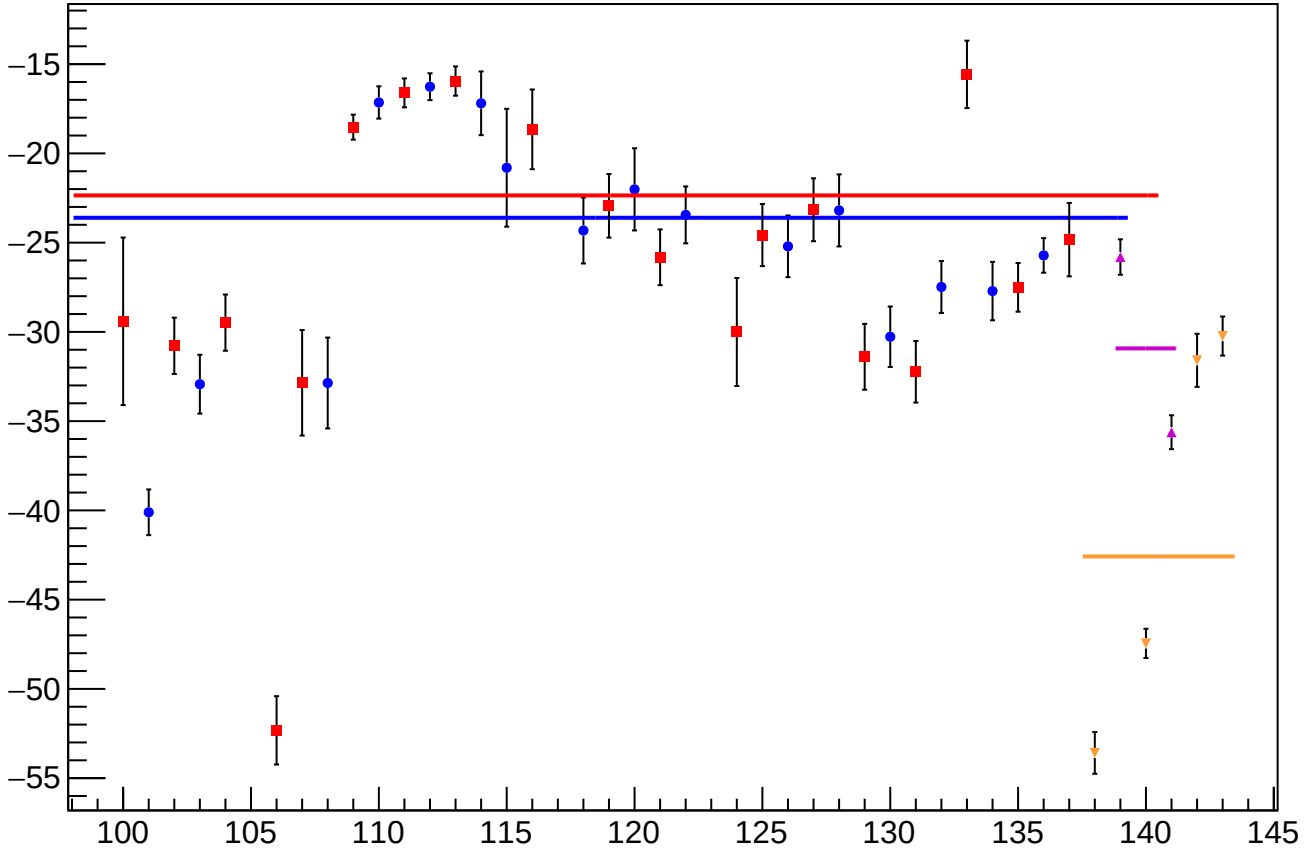
Left In: -0.083+/-0.033 χ^2/NDF:4.6/1

+ sign -0.278+/-0.018 χ^2/NDF: 1417.4/19

All: -0.355+/-0.014 χ^2/NDF: 2965.0/40

- sign -0.445+/-0.020 χ^2/NDF: 1510.1/20

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -42.581+/-0.534 χ^2/NDF:306.1/3

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

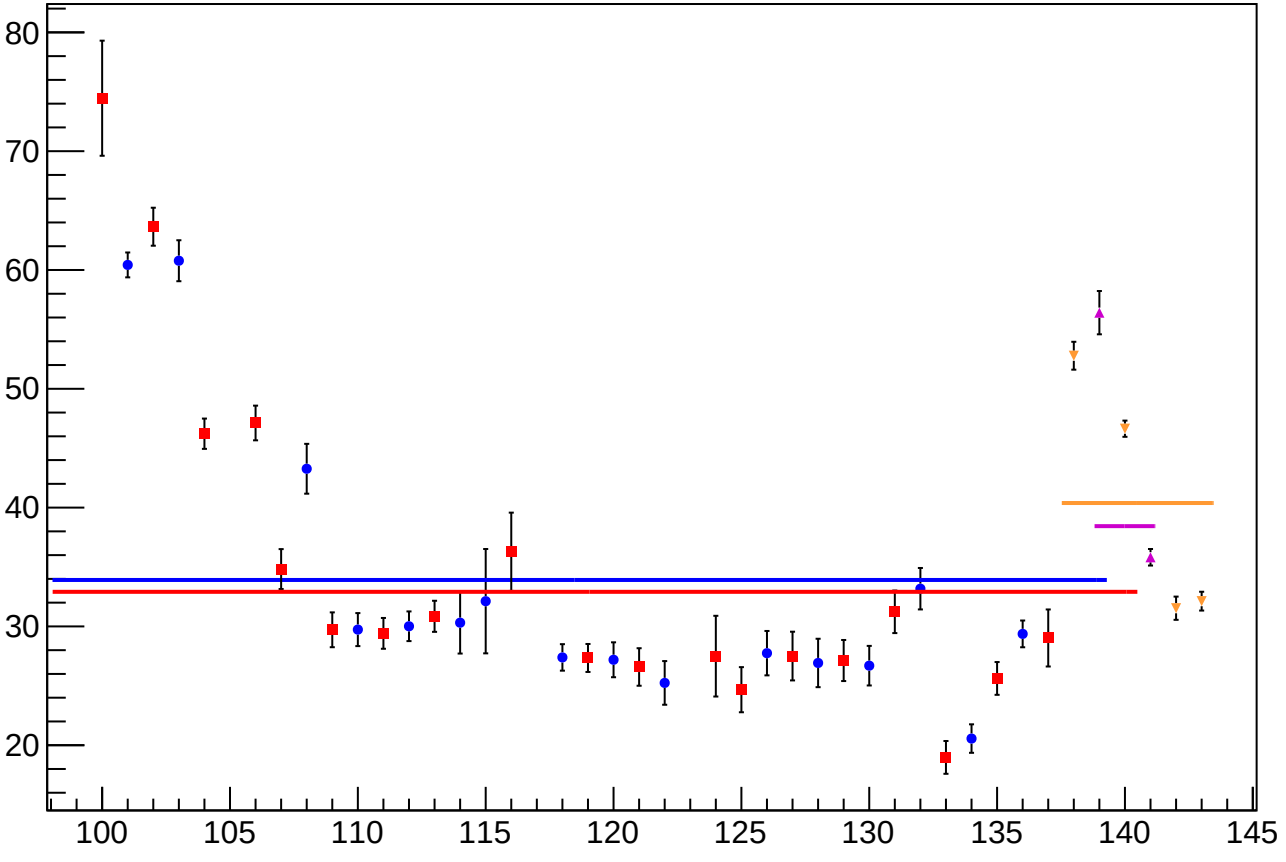
Left In: -30.926+/-0.687 χ^2/NDF:51.0/1

+ sign -29.274+/-0.292 χ^2/NDF: 1598.9/19

All: -26.582+/-0.206 χ^2/NDF: 2499.4/40

- sign -23.897+/-0.291 χ^2/NDF: 730.4/20

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 40.386+/-0.426 χ^2/NDF:386.6/3

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

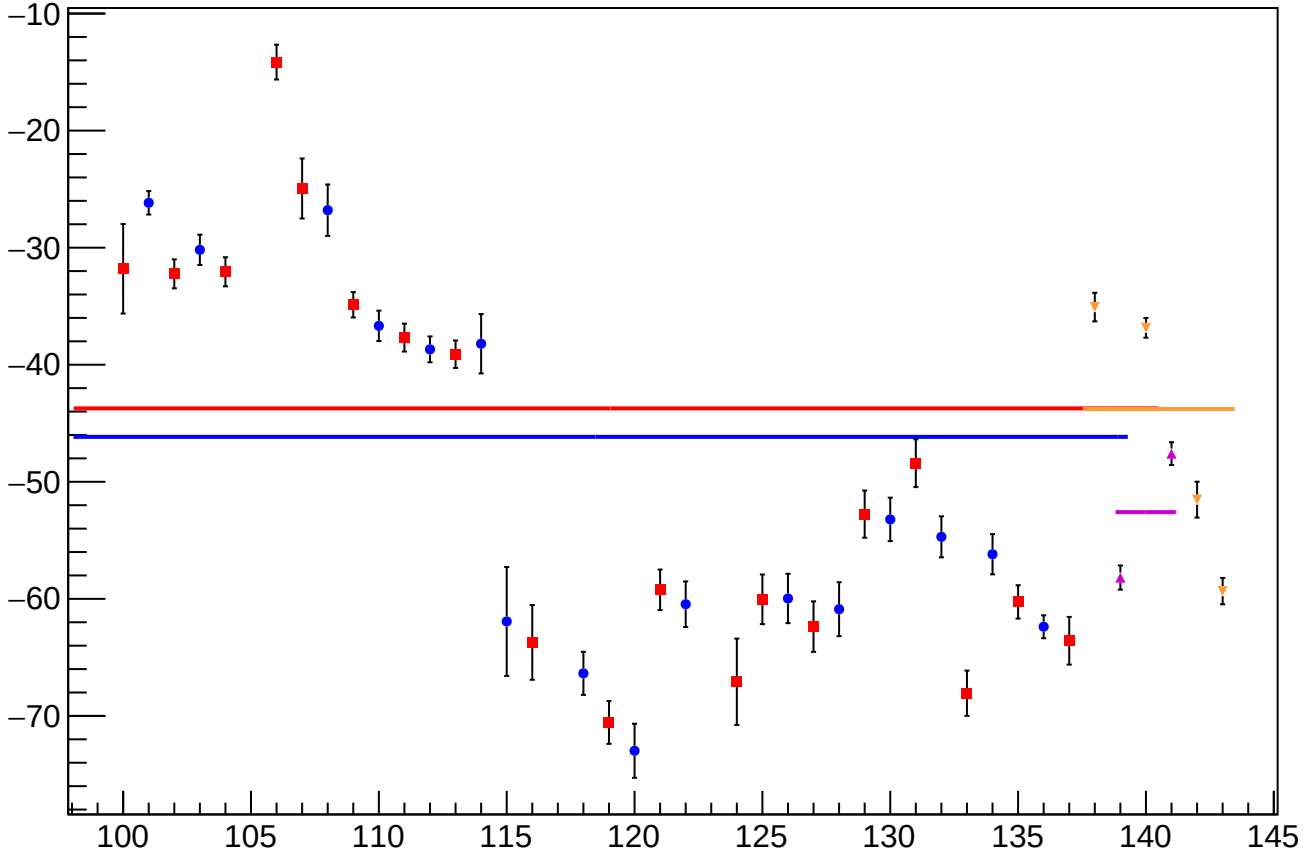
Left In: 38.439+/-0.650 χ^2/NDF:111.4/1

+ sign 36.741+/-0.282 χ^2/NDF: 1701.3/19

All: 35.679+/-0.212 χ^2/NDF: 2775.1/40

- sign 34.279+/-0.323 χ^2/NDF: 1040.8/20

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -43.779+/-0.551 χ^2/NDF:335.5/3

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

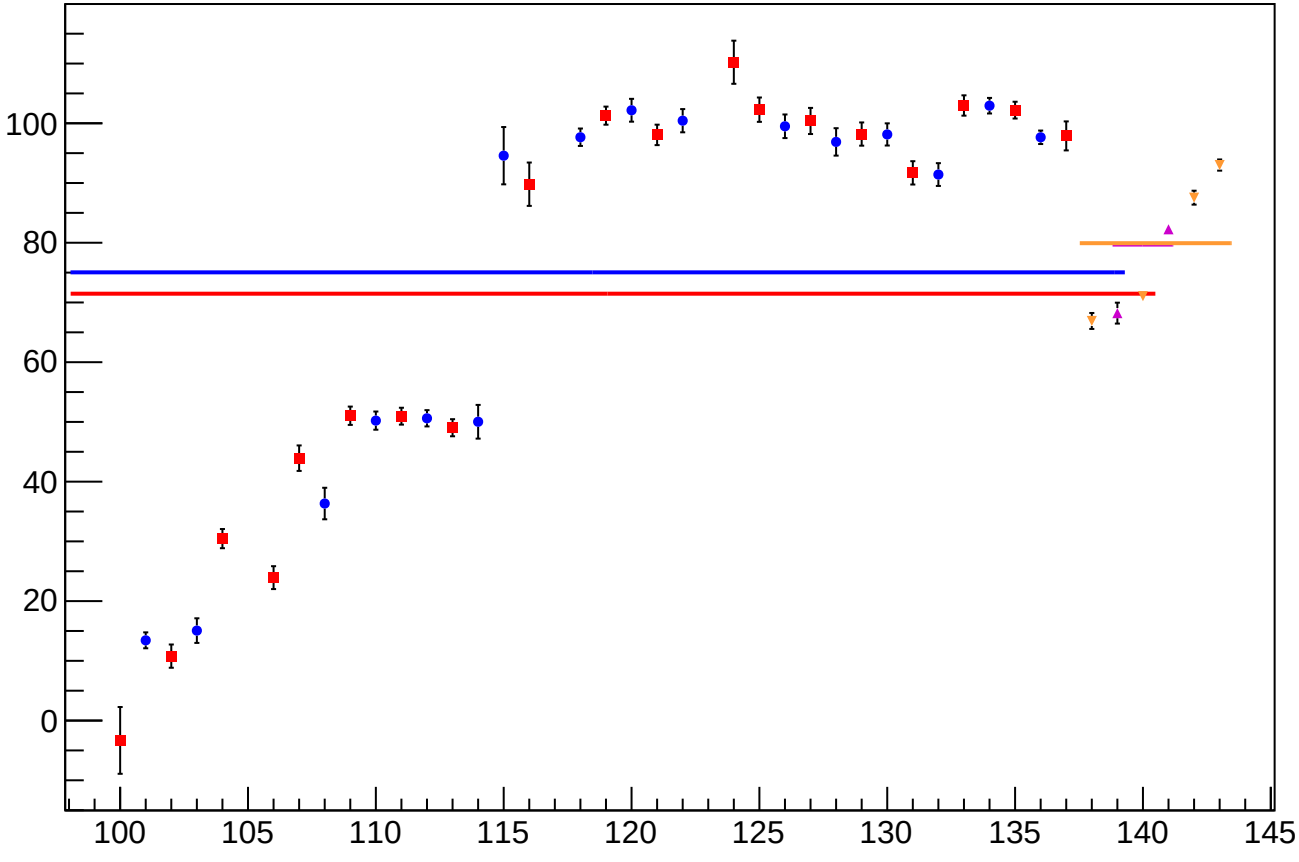
Left In: -52.590+/-0.709 χ^2/NDF:55.6/1

+ sign -45.366+/-0.318 χ^2/NDF: 1837.6/19

All: -45.522+/-0.230 χ^2/NDF: 3678.5/40

- sign -45.693+/-0.334 χ^2/NDF: 1840.4/20

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.925+/-0.505 χ^2/NDF:449.8/3

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

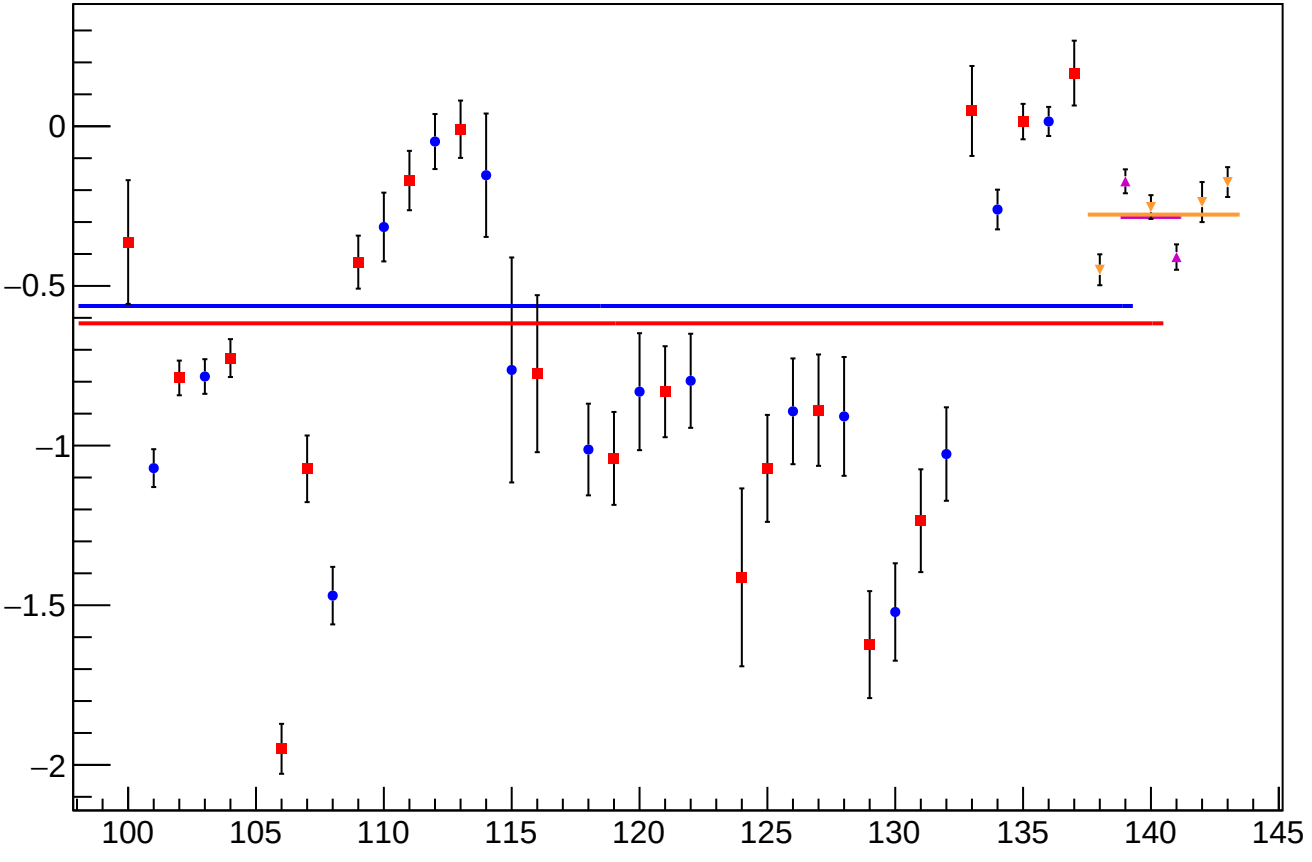
Left In: 79.691+/-0.748 χ^2/NDF:52.6/1

+ sign 77.081+/-0.326 χ^2/NDF: 6332.6/19

All: 75.506+/-0.245 χ^2/NDF: 12158.0/40

- sign 73.481+/-0.370 χ^2/NDF: 5772.1/20

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.277+/-0.023 χ^2/NDF:18.3/3

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

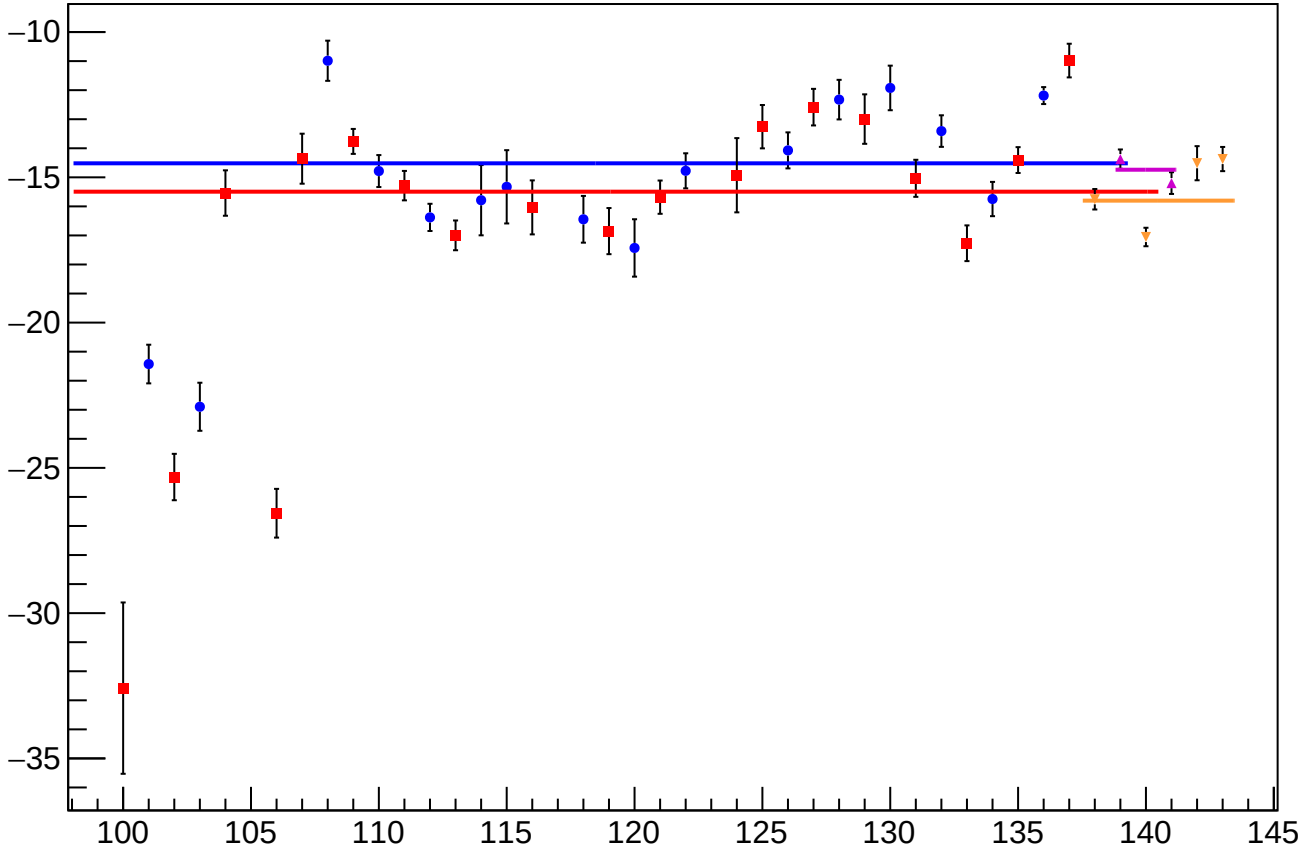
Left In: -0.284+/-0.027 χ^2/NDF:18.8/1

+ sign -0.426+/-0.016 χ^2/NDF: 590.7/19

All: -0.453+/-0.012 χ^2/NDF: 1395.5/40

- sign -0.485+/-0.017 χ^2/NDF: 798.6/20

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: -15.802+/-0.194 χ^2/NDF:32.1/3

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

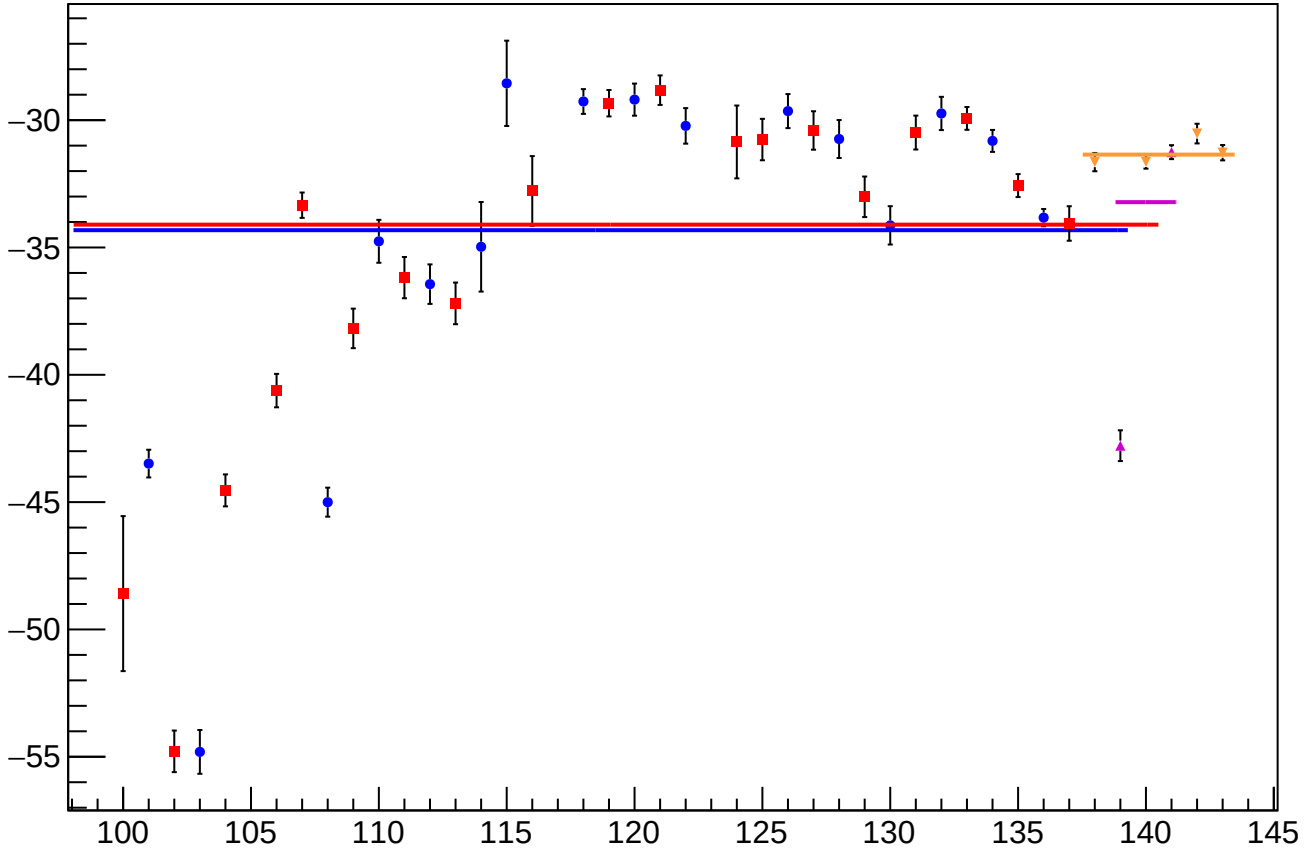
Left In: -14.738+/-0.249 χ^2/NDF:2.7/1

+ sign -14.997+/-0.118 χ^2/NDF: 423.0/19

All: -15.132+/-0.087 χ^2/NDF: 939.2/40

- sign -15.292+/-0.128 χ^2/NDF: 513.3/20

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.353+/-0.159 χ^2/NDF:6.5/3

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

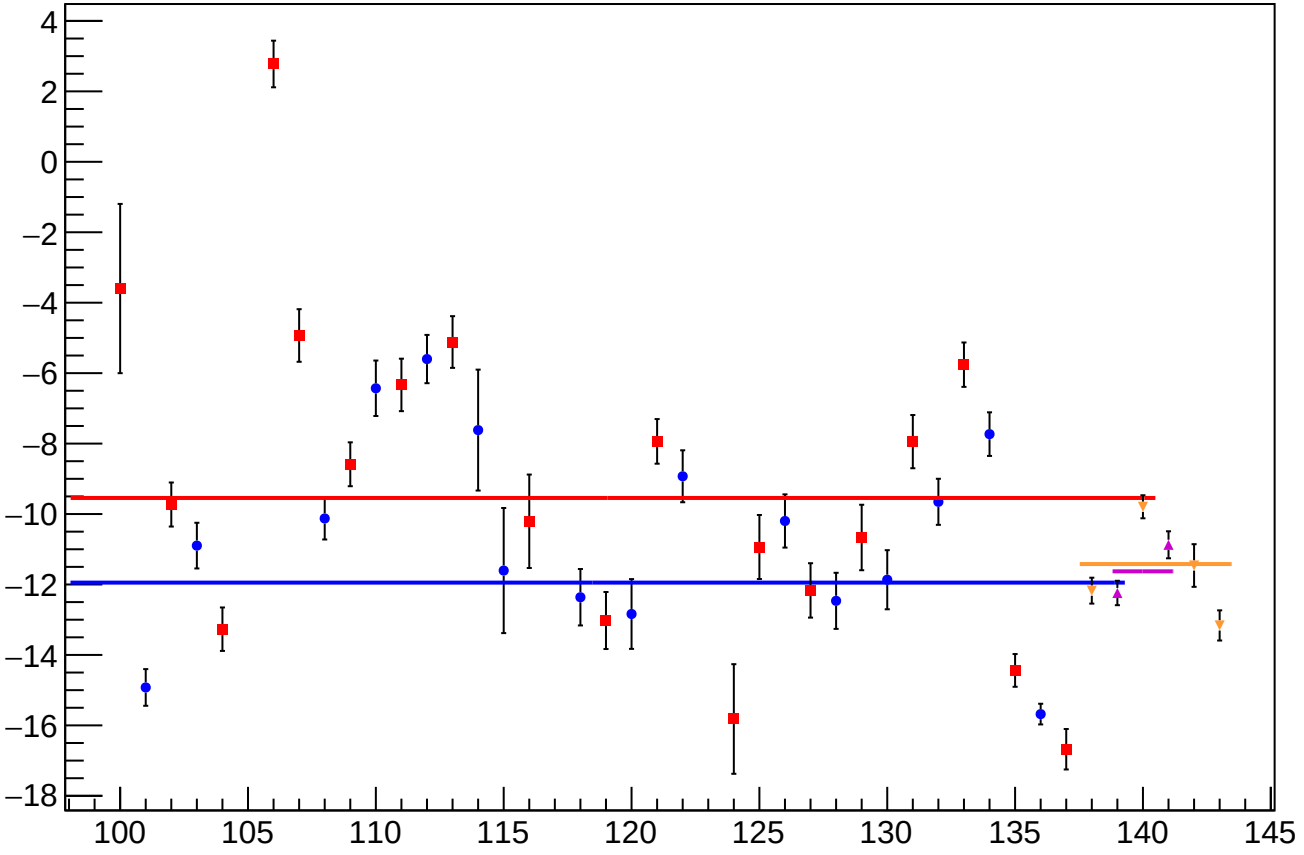
Left In: -33.220+/-0.249 χ^2/NDF:302.0/1

+ sign -32.889+/-0.110 χ^2/NDF: 1807.9/19

All: -33.291+/-0.084 χ^2/NDF: 3585.9/40

- sign -33.859+/-0.131 χ^2/NDF: 1745.8/20

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: -11.420+/-0.200 χ^2/NDF:45.5/3

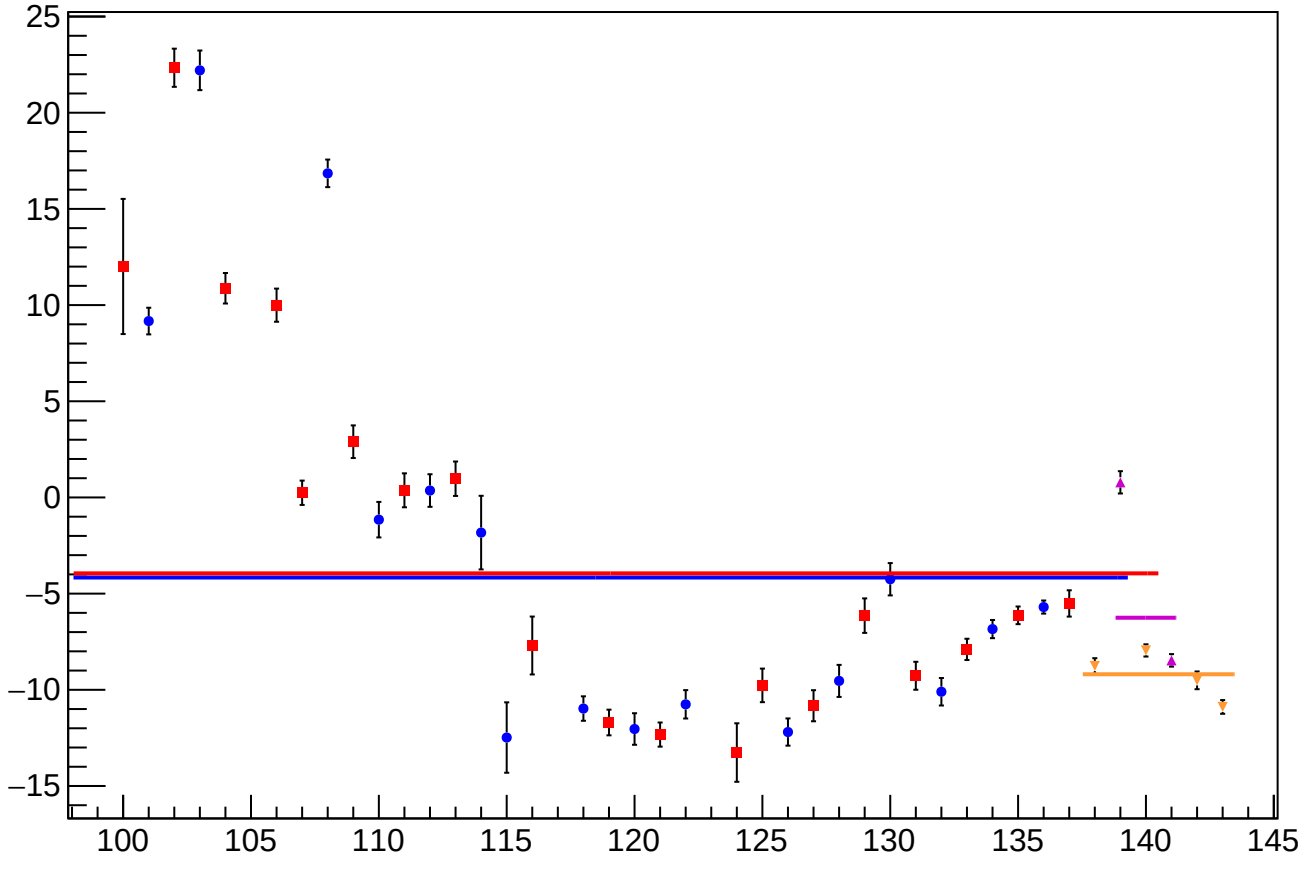
Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -11.627+/-0.257 χ^2/NDF:7.0/1

+ sign -11.741+/-0.125 χ^2/NDF: 479.7/19

All: -11.030+/-0.093 χ^2/NDF: 1452.5/40

- sign -10.152+/-0.139 χ^2/NDF: 900.6/20



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -9.192+/-0.187 χ^2/NDF:39.4/3

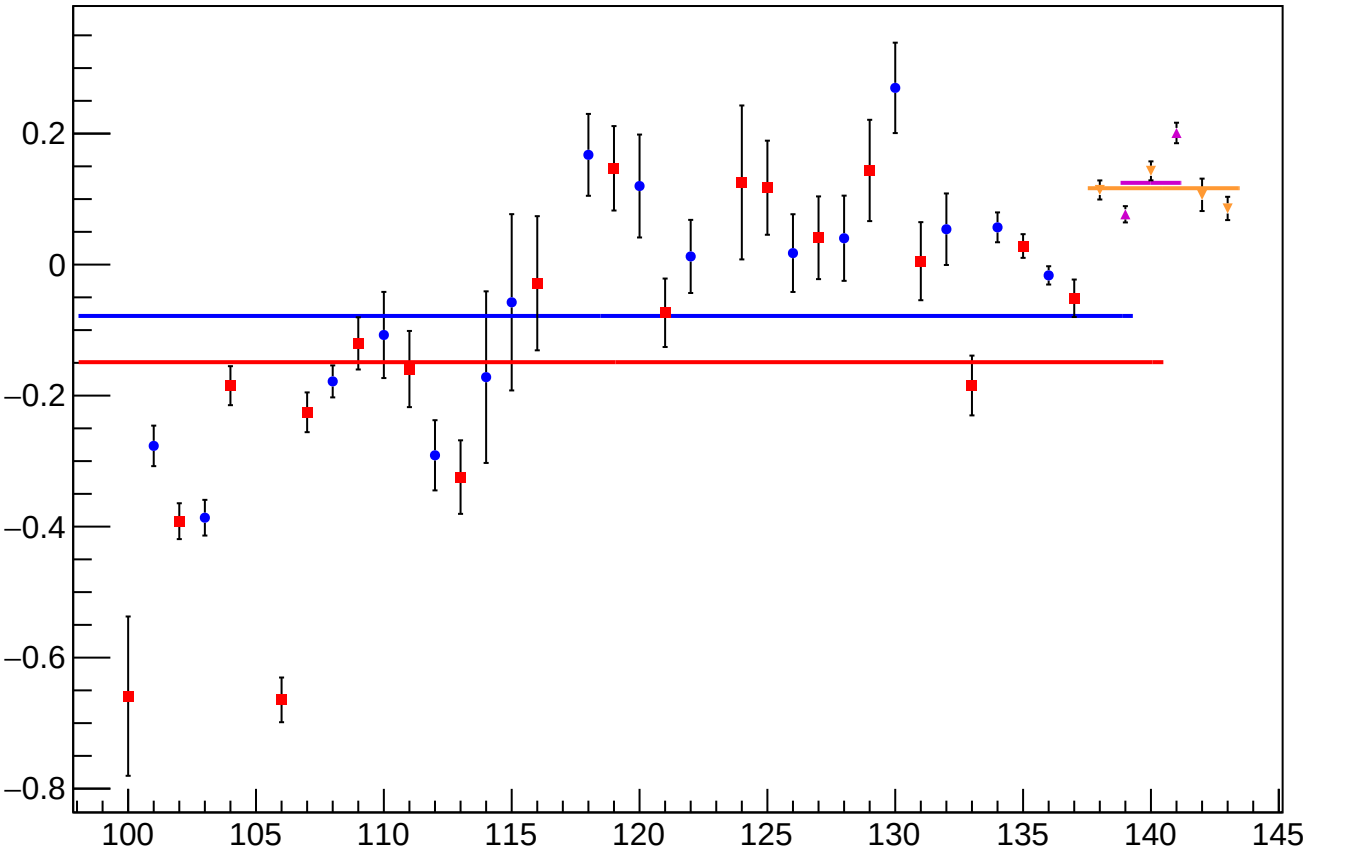
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.253+/-0.284 χ^2/NDF:193.7/1

+ sign -6.461+/-0.127 χ^2/NDF: 2955.4/19

All: -5.679+/-0.097 χ^2/NDF: 5398.3/40

- sign -4.588+/-0.150 χ^2/NDF: 2351.6/20



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.117+/-0.008 χ^2/NDF:6.6/3

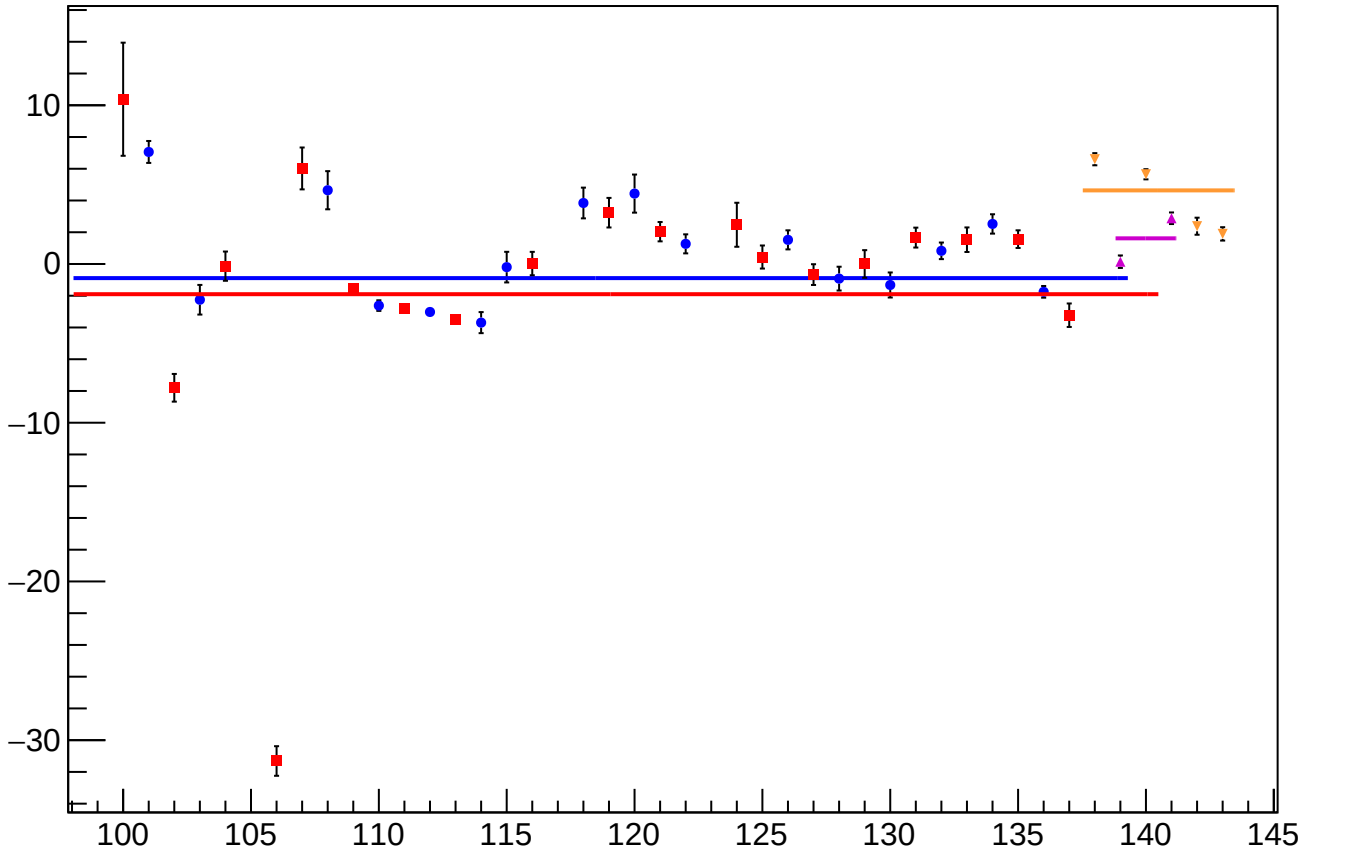
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.125+/-0.010 χ^2/NDF:38.6/1

+ sign 0.021+/-0.006 χ^2/NDF: 590.5/19

All: 0.002+/-0.004 χ^2/NDF: 1600.6/40

- sign -0.022+/-0.007 χ^2/NDF: 986.8/20



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 4.637+/-0.198 χ^2/NDF:96.3/3

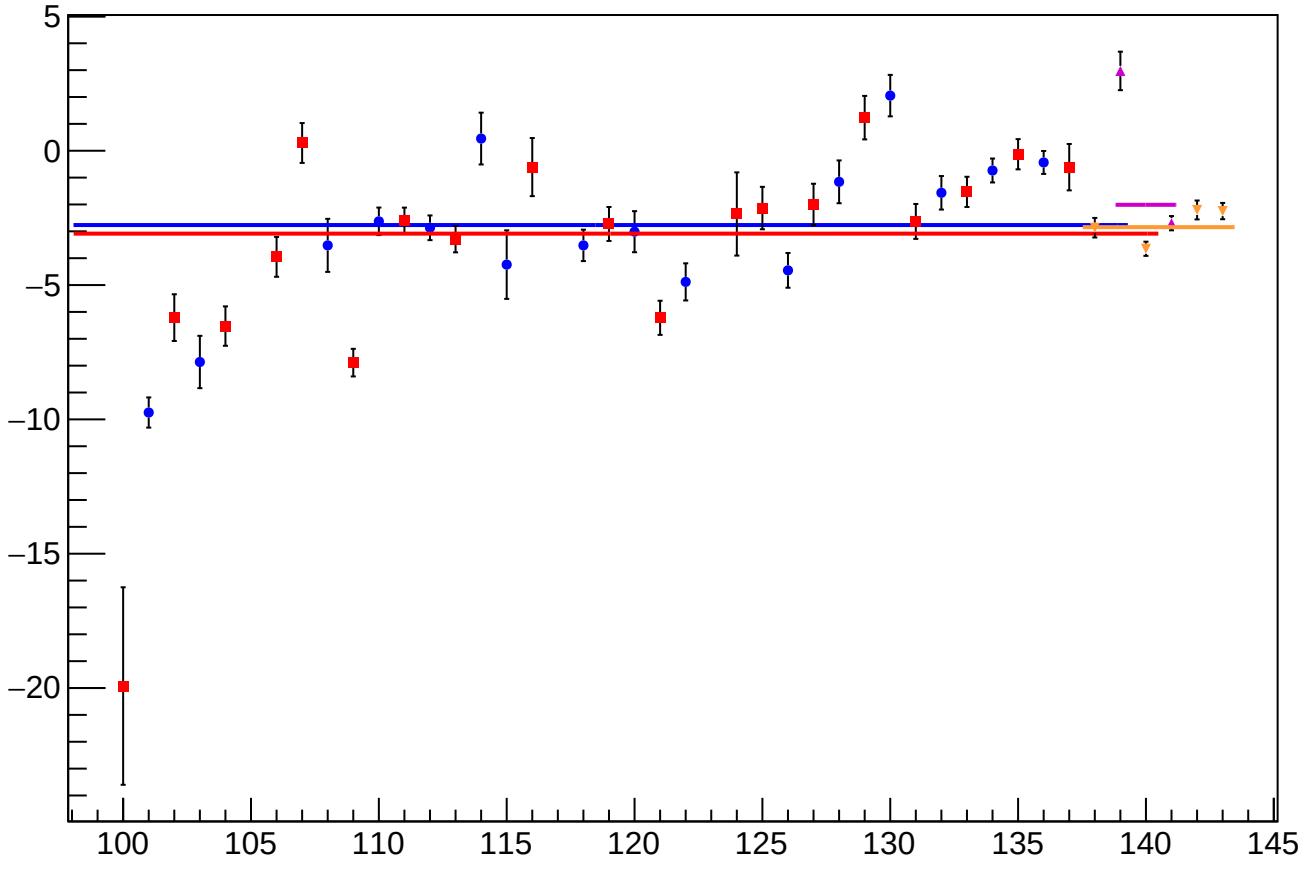
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.616+/-0.268 χ^2/NDF:26.0/1

+ sign 0.898+/-0.112 χ^2/NDF: 1006.0/19

All: -0.141+/-0.081 χ^2/NDF: 2680.9/40

- sign -1.245+/-0.116 χ^2/NDF: 1498.3/20



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.844+/-0.157 χ^2/NDF:16.5/3

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

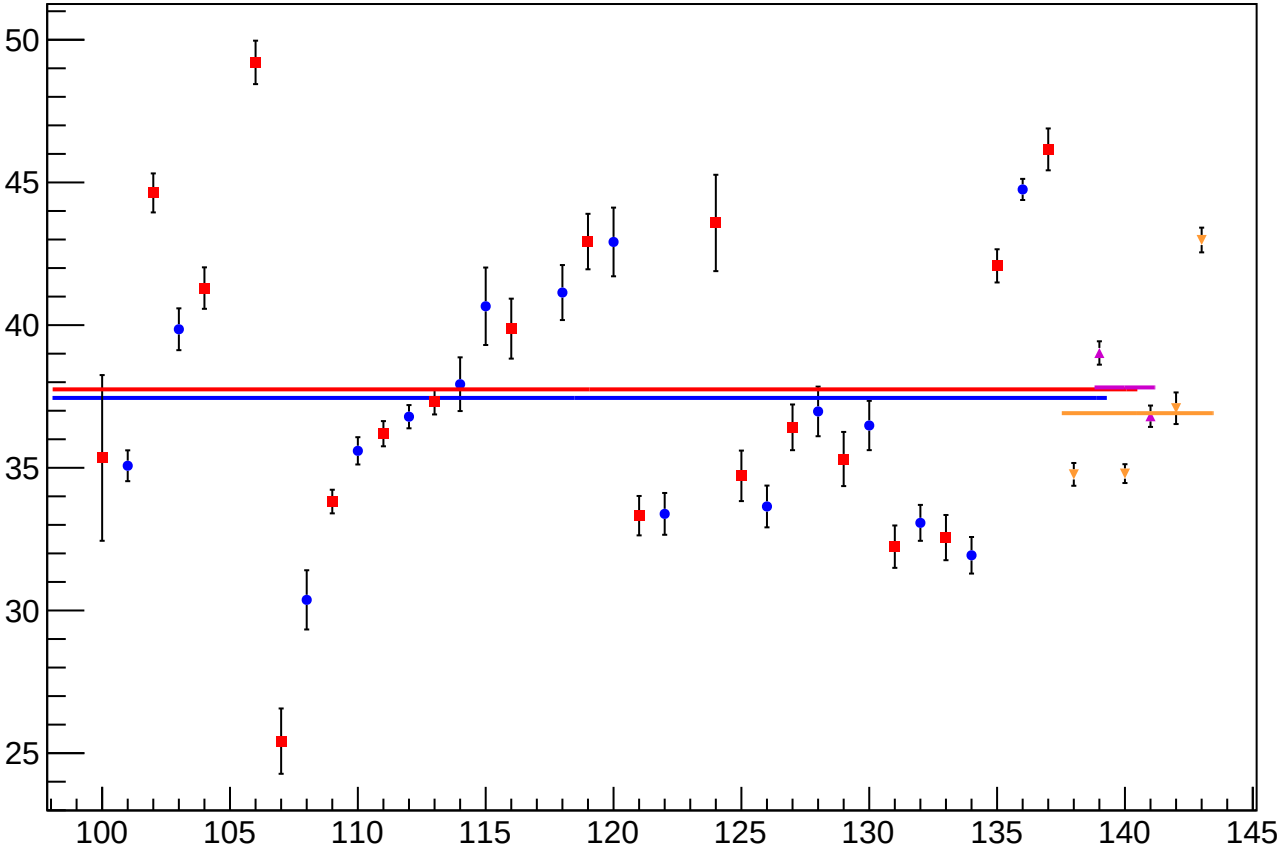
Left In: -2.013+/-0.249 χ^2/NDF:55.0/1

+ sign -2.805+/-0.111 χ^2/NDF: 326.7/19

All: -2.794+/-0.085 χ^2/NDF: 667.5/40

- sign -2.779+/-0.133 χ^2/NDF: 340.8/20

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: 36.915+/-0.204 χ^2/NDF:266.4/3

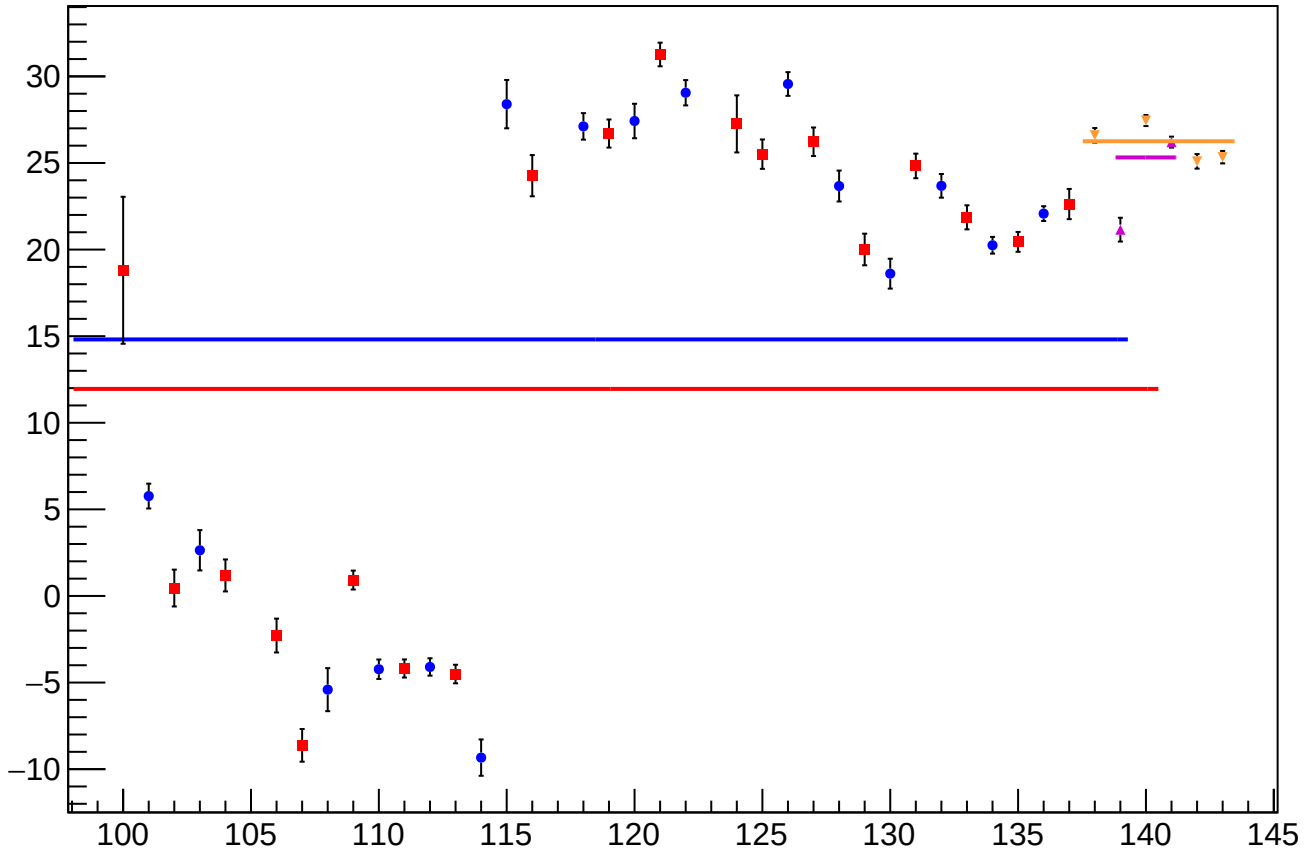
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 37.816+/-0.276 χ^2/NDF:15.9/1

+ sign 37.244+/-0.126 χ^2/NDF: 977.6/19

All: 37.482+/-0.093 χ^2/NDF: 1964.9/40

- sign 37.766+/-0.138 χ^2/NDF: 979.6/20



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 26.257+/-0.186 χ^2/NDF:28.9/3

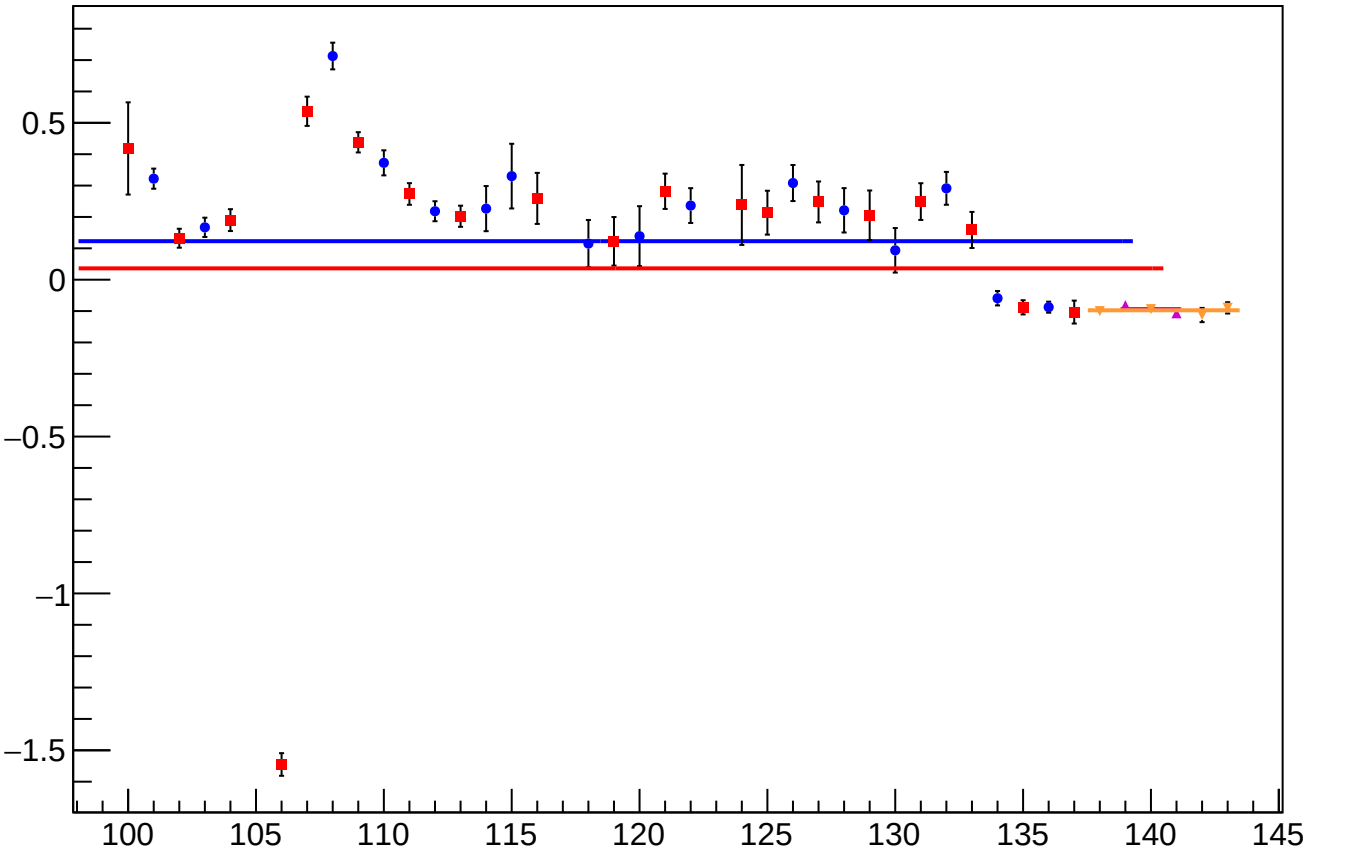
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 25.320+/-0.288 χ^2/NDF:44.6/1

+ sign 20.144+/-0.127 χ^2/NDF: 7733.8/19

All: 18.264+/-0.097 χ^2/NDF: 15978.0/40

- sign 15.622+/-0.151 χ^2/NDF: 7717.6/20



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.097+/-0.009 χ^2/NDF:0.7/3

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

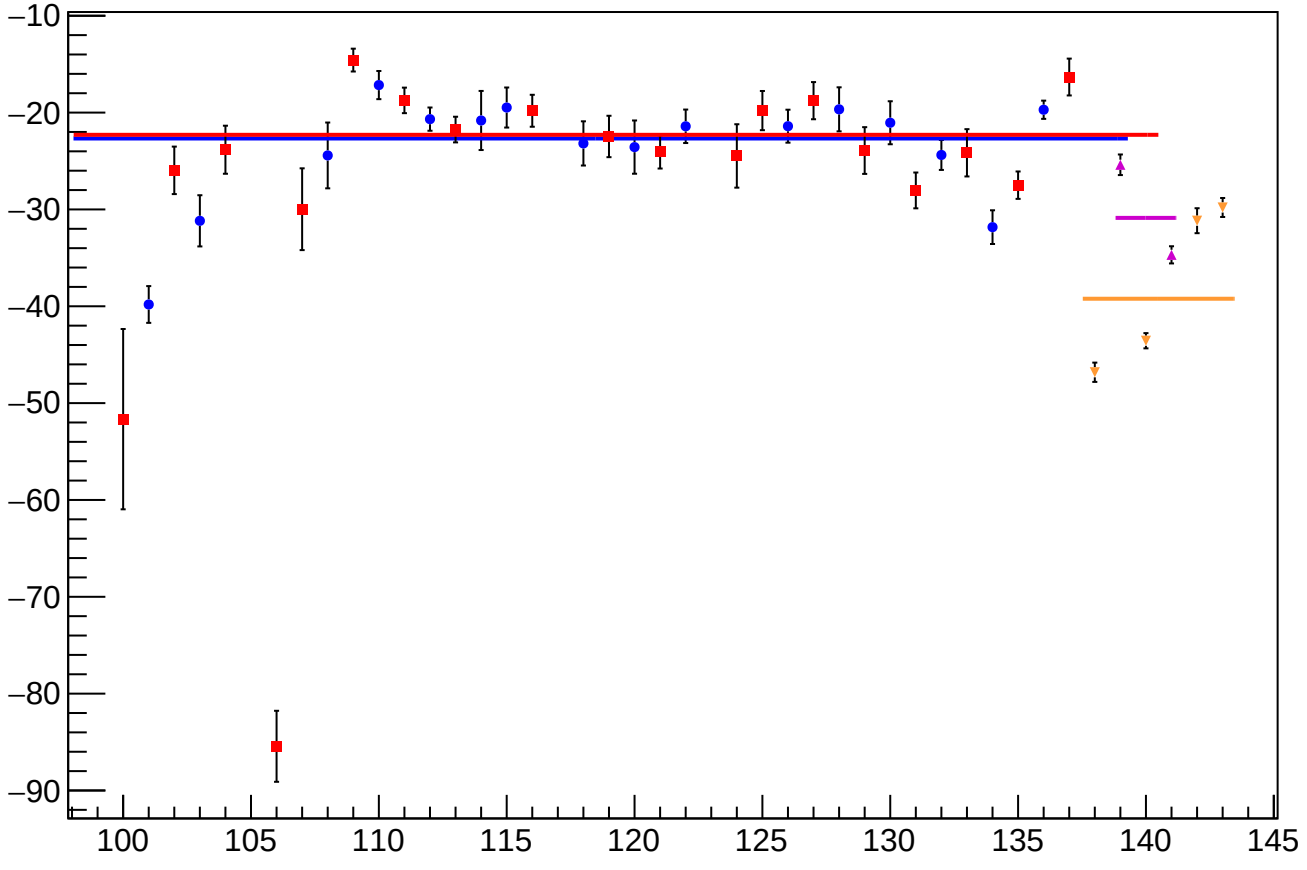
Left In: -0.094+/-0.011 χ^2/NDF:1.5/1

+ sign 0.003+/-0.006 χ^2/NDF: 819.2/19

All: -0.009+/-0.005 χ^2/NDF: 3323.6/40

- sign -0.023+/-0.007 χ^2/NDF: 2497.0/20

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -39.222+/-0.484 χ^2/NDF:219.9/3

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

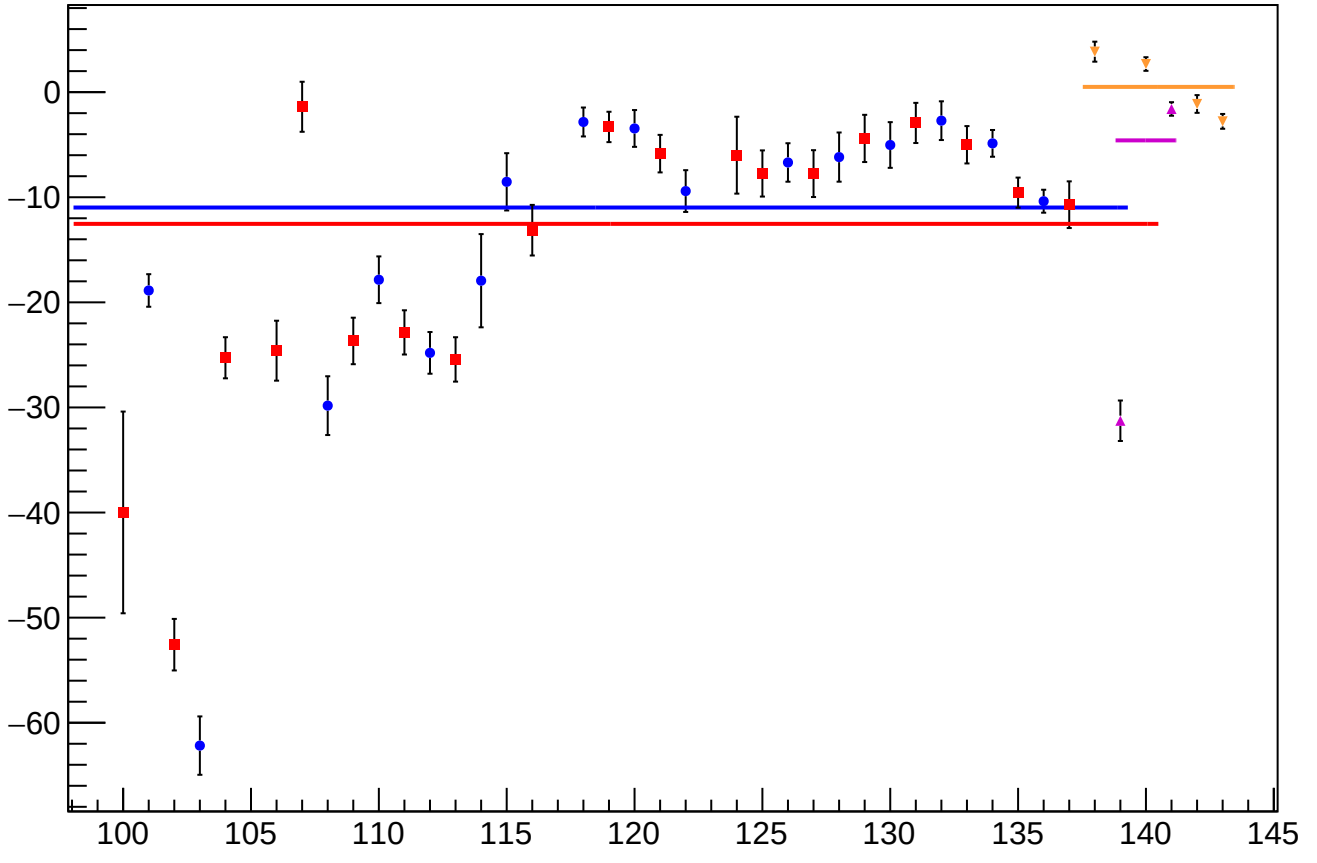
Left In: -30.873+/-0.681 χ^2/NDF:45.1/1

+ sign -30.056+/-0.323 χ^2/NDF: 1021.2/19

All: -27.749+/-0.243 χ^2/NDF: 1700.9/40

- sign -24.782+/-0.367 χ^2/NDF: 563.3/20

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: 0.500+/-0.381 χ^2/NDF:49.0/3

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

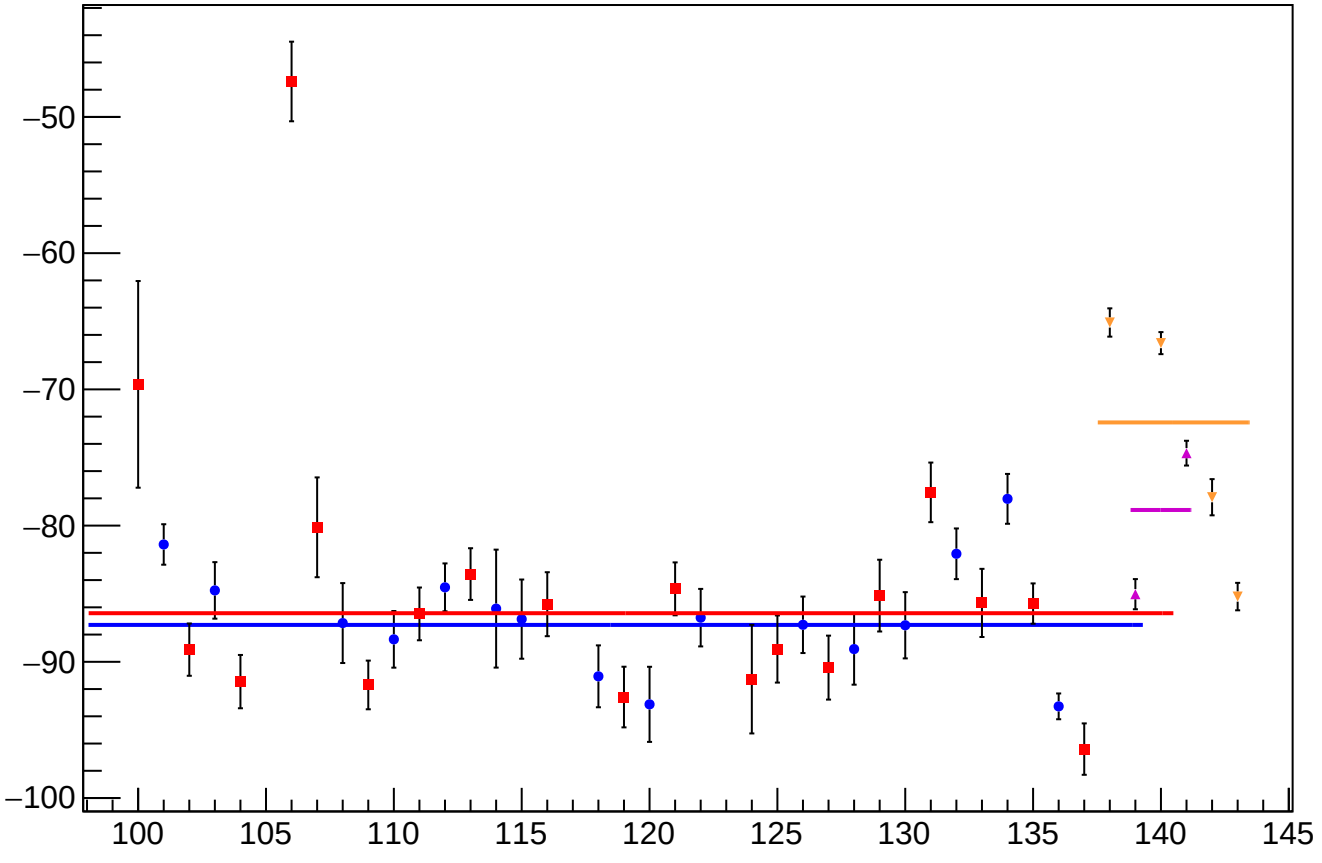
Left In: -4.590+/-0.611 χ^2/NDF:213.4/1

+ sign -4.249+/-0.292 χ^2/NDF: 1012.1/19

All: -6.205+/-0.231 χ^2/NDF: 2022.8/40

- sign -9.495+/-0.378 χ^2/NDF: 890.0/20

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: -72.426+/-0.500 χ^2/NDF:279.6/3

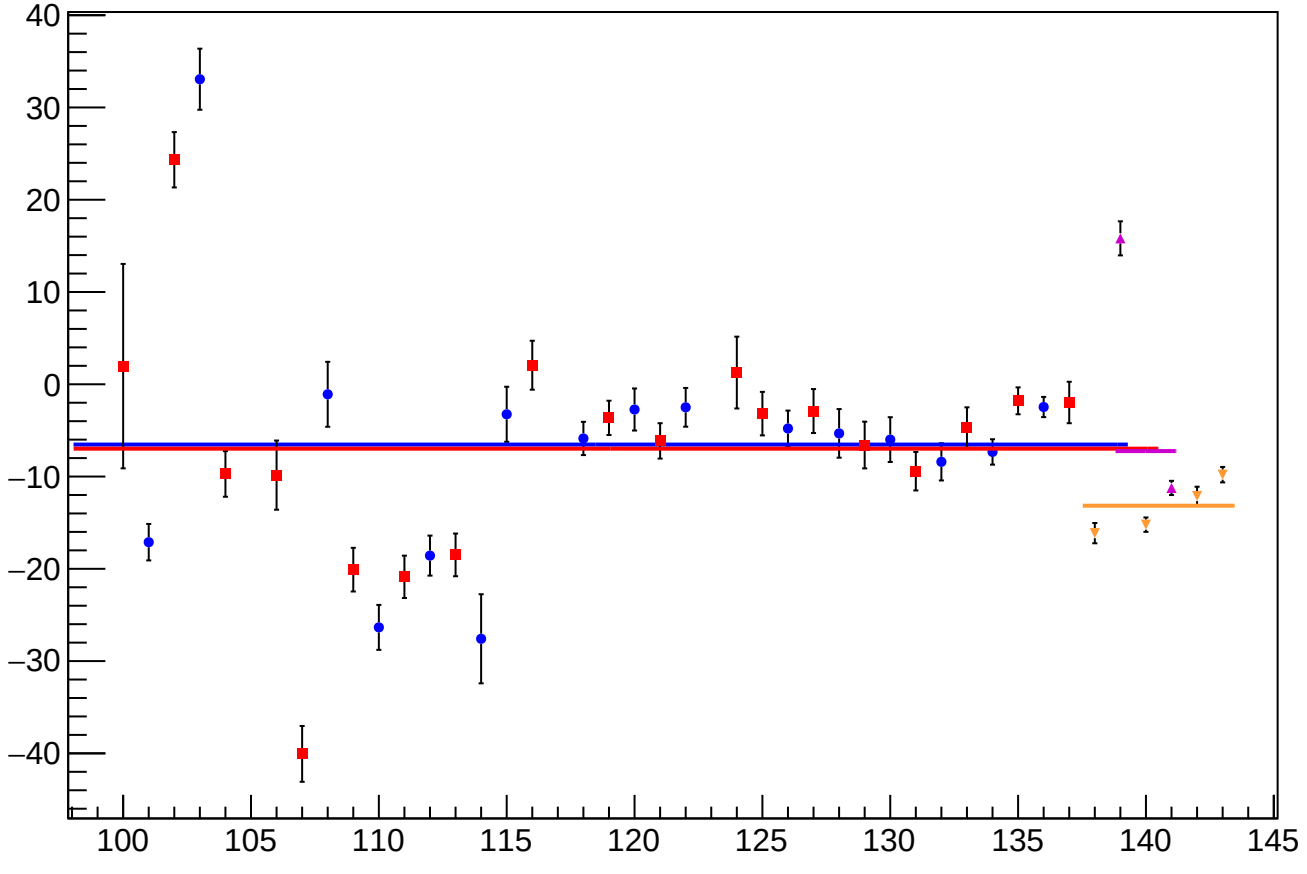
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -78.853+/-0.703 χ^2/NDF:52.2/1

+ sign -80.148+/-0.346 χ^2/NDF: 840.5/19

All: -81.685+/-0.265 χ^2/NDF: 1281.4/40

- sign -83.845+/-0.411 χ^2/NDF: 393.6/20



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -13.161+/-0.453 χ^2/NDF:31.4/3

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

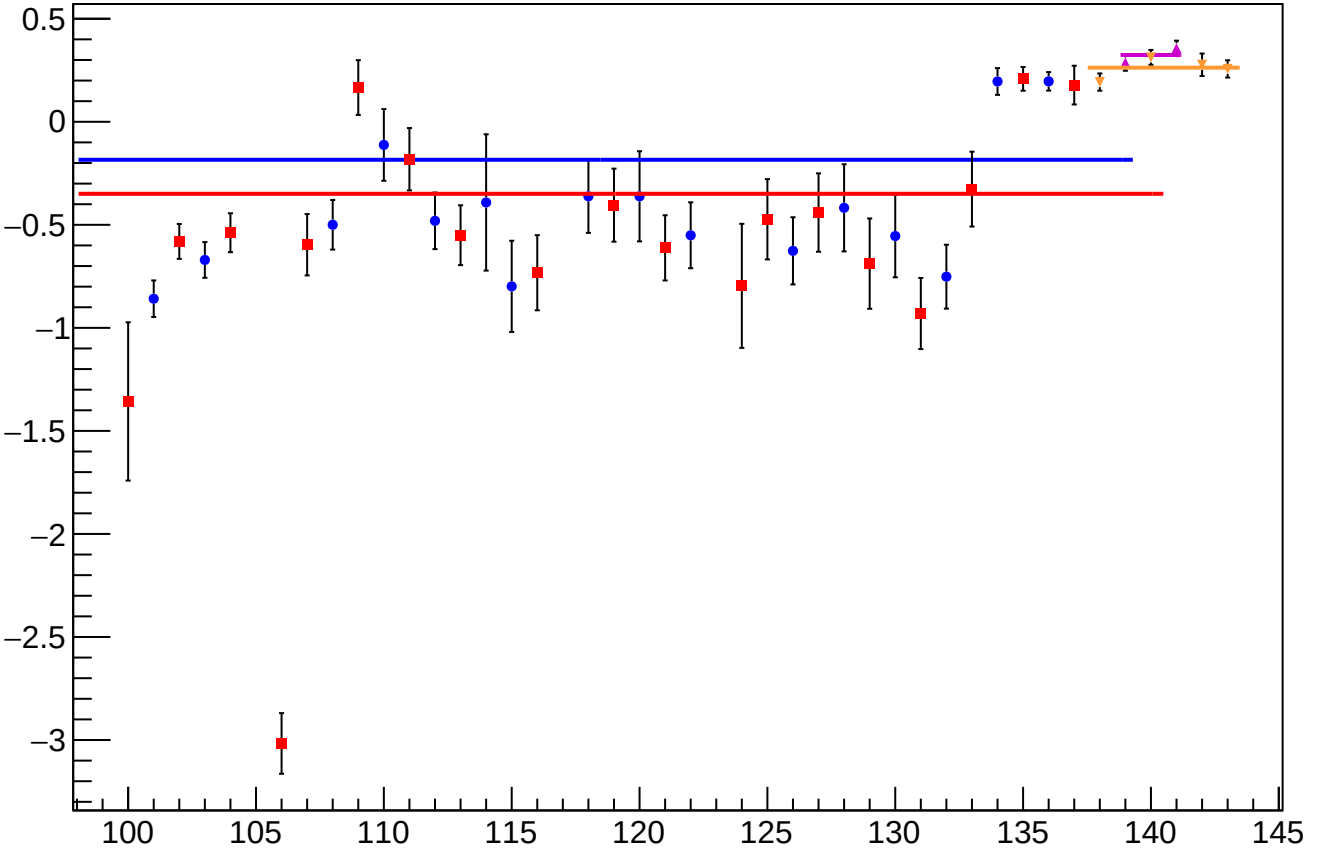
Left In: -7.239+/-0.710 χ^2/NDF:182.7/1

+ sign -10.225+/-0.338 χ^2/NDF: 440.2/19

All: -9.024+/-0.266 χ^2/NDF: 1024.4/40

- sign -7.075+/-0.431 χ^2/NDF: 551.2/20

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.263+/-0.021 χ^2/NDF:4.8/3

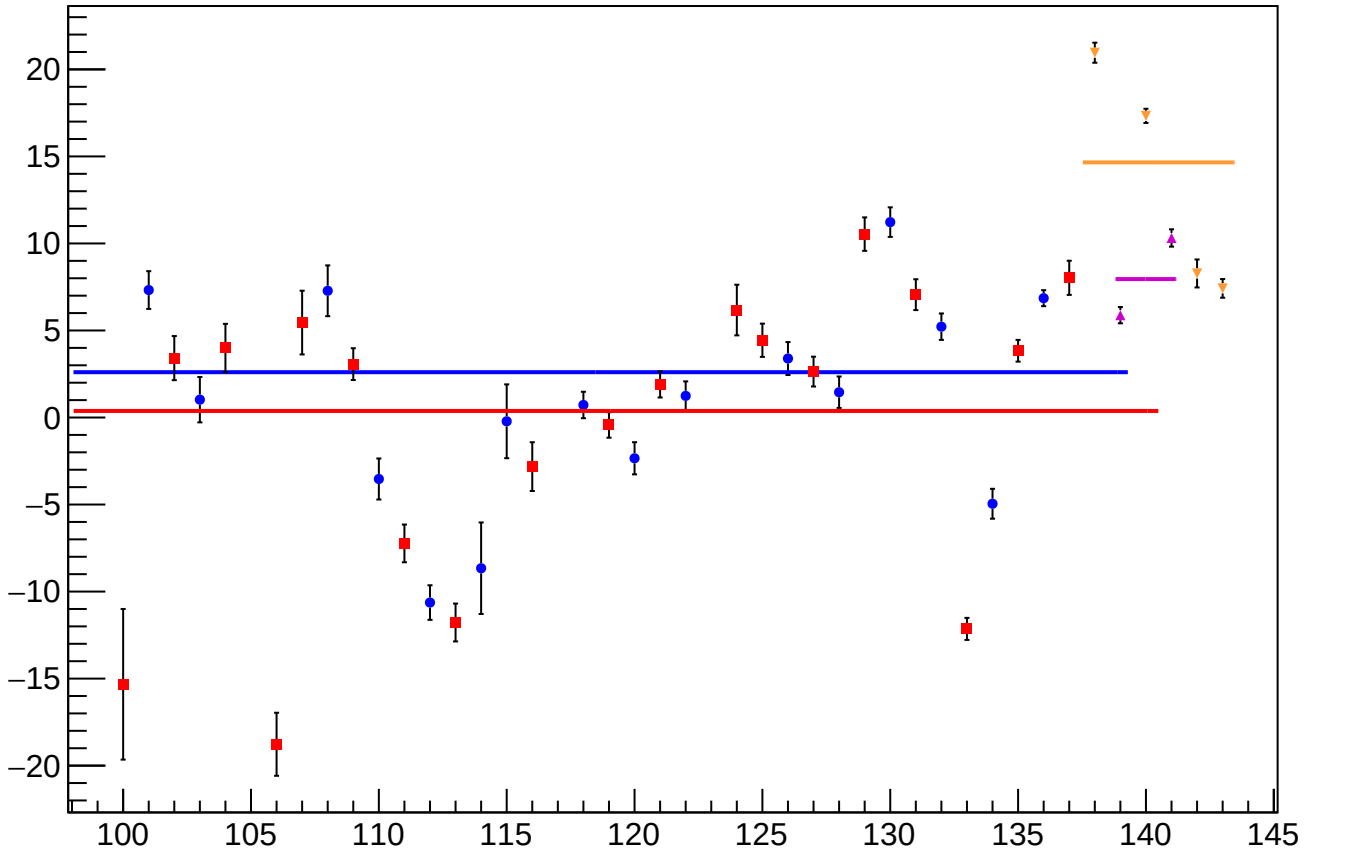
Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.324+/-0.027 χ^2/NDF:1.6/1

+ sign 0.091+/-0.017 χ^2/NDF: 424.0/19

All: 0.059+/-0.013 χ^2/NDF: 1235.2/40

- sign 0.013+/-0.020 χ^2/NDF: 802.1/20



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 14.657+/-0.267 χ^2/NDF:407.1/3

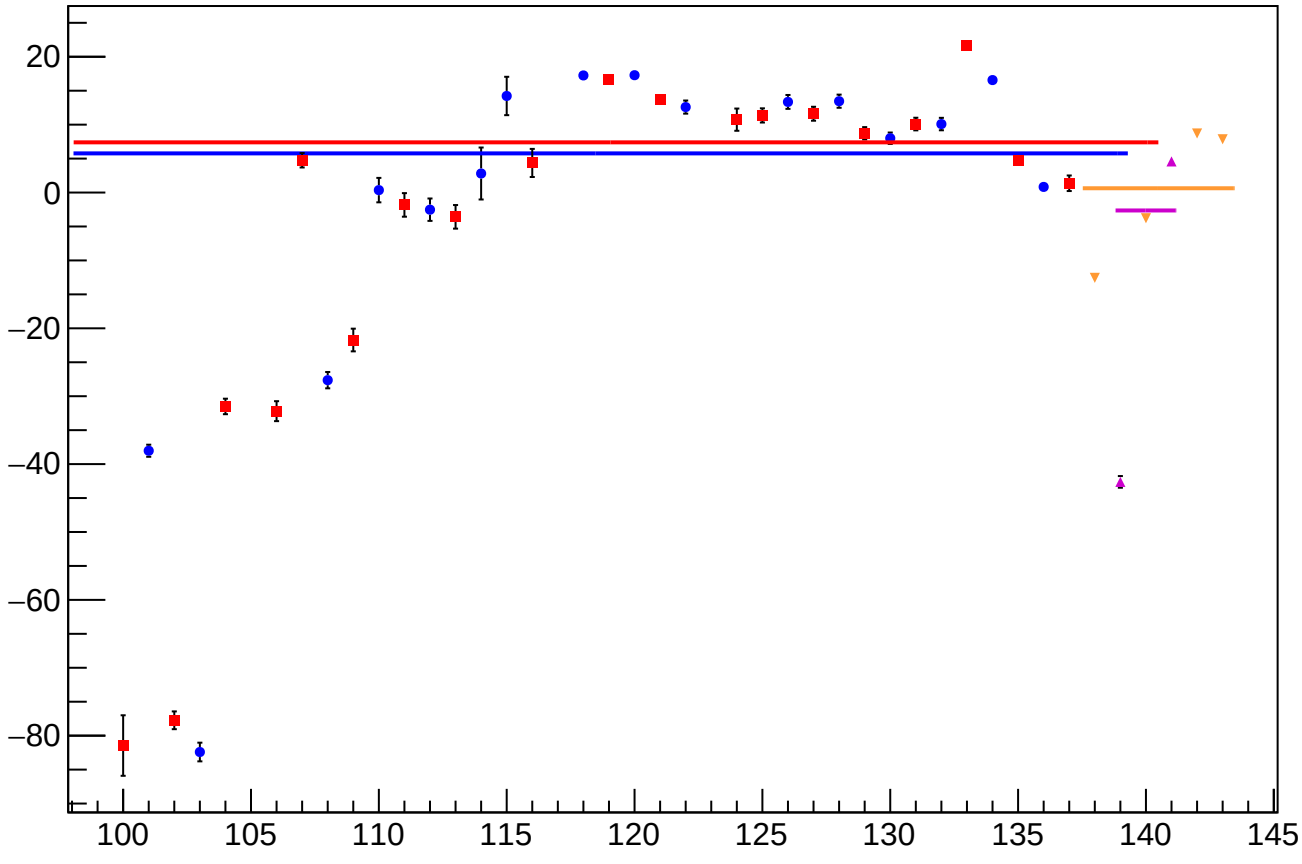
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 7.954+/-0.341 χ^2/NDF:42.2/1

+ sign 7.584+/-0.172 χ^2/NDF: 2175.5/19

All: 5.311+/-0.126 χ^2/NDF: 3977.1/40

- sign 2.638+/-0.186 χ^2/NDF: 1420.0/20



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 0.631+/-0.215 χ^2/NDF:1258.1/3

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

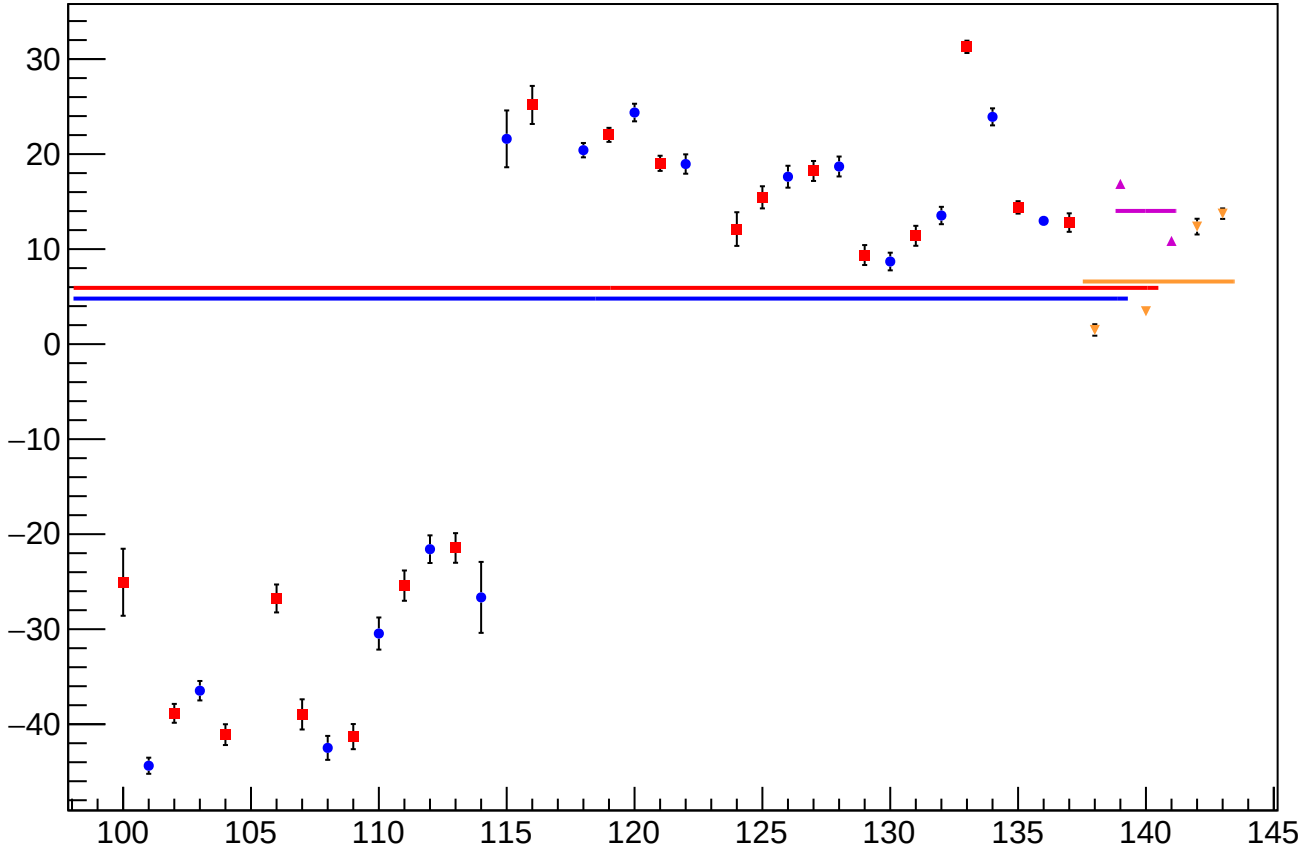
Left In: -2.641+/-0.336 χ^2/NDF:2560.4/1

+ sign 3.260+/-0.150 χ^2/NDF: 10484.7/19

All: 3.818+/-0.115 χ^2/NDF: 22112.6/40

- sign 4.597+/-0.177 χ^2/NDF: 11594.8/20

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 6.591+/-0.276 χ^2/NDF:343.3/3

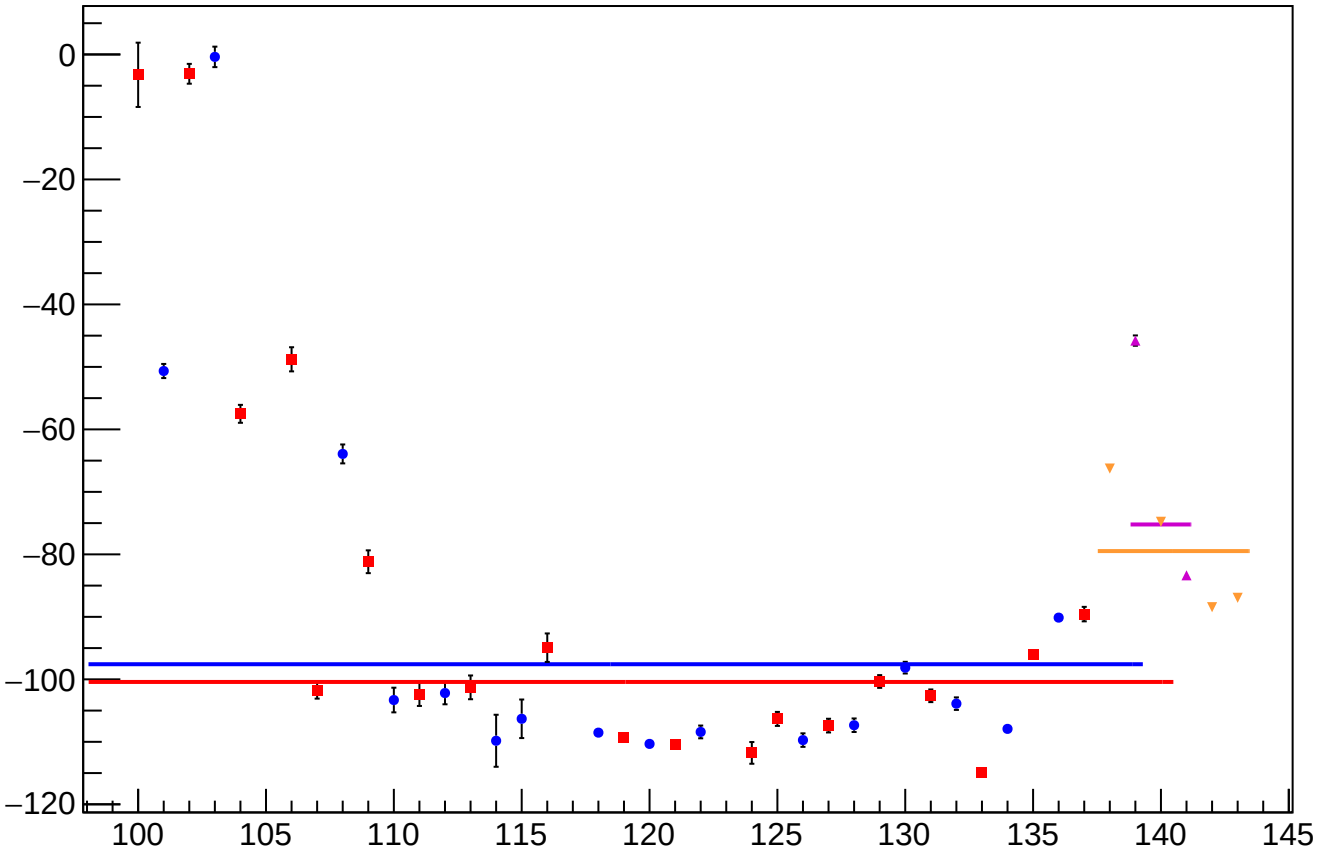
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 14.019+/-0.352 χ^2/NDF:72.5/1

+ sign 5.559+/-0.180 χ^2/NDF: 9864.6/19

All: 6.883+/-0.133 χ^2/NDF: 20477.9/40

- sign 8.490+/-0.198 χ^2/NDF: 10493.4/20



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -79.475+/-0.255 χ^2/NDF:995.0/3

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

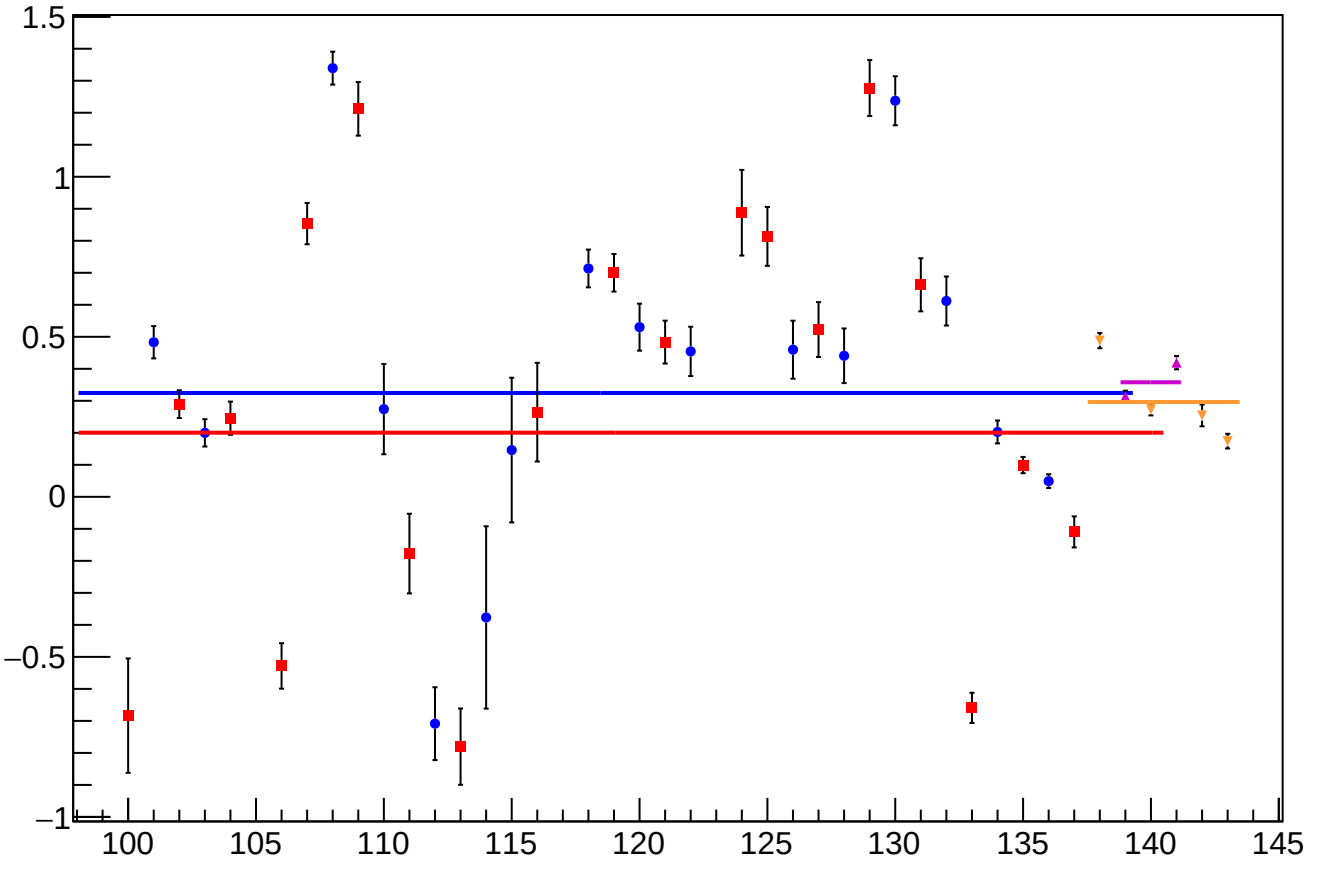
Left In: -75.216+/-0.384 χ^2/NDF:1624.7/1

+ sign -88.998+/-0.175 χ^2/NDF: 10799.8/19

All: -90.821+/-0.133 χ^2/NDF: 22887.2/40

- sign -93.293+/-0.204 χ^2/NDF: 11832.5/20

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: 0.296+/-0.012 χ^2/NDF:96.2/3

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

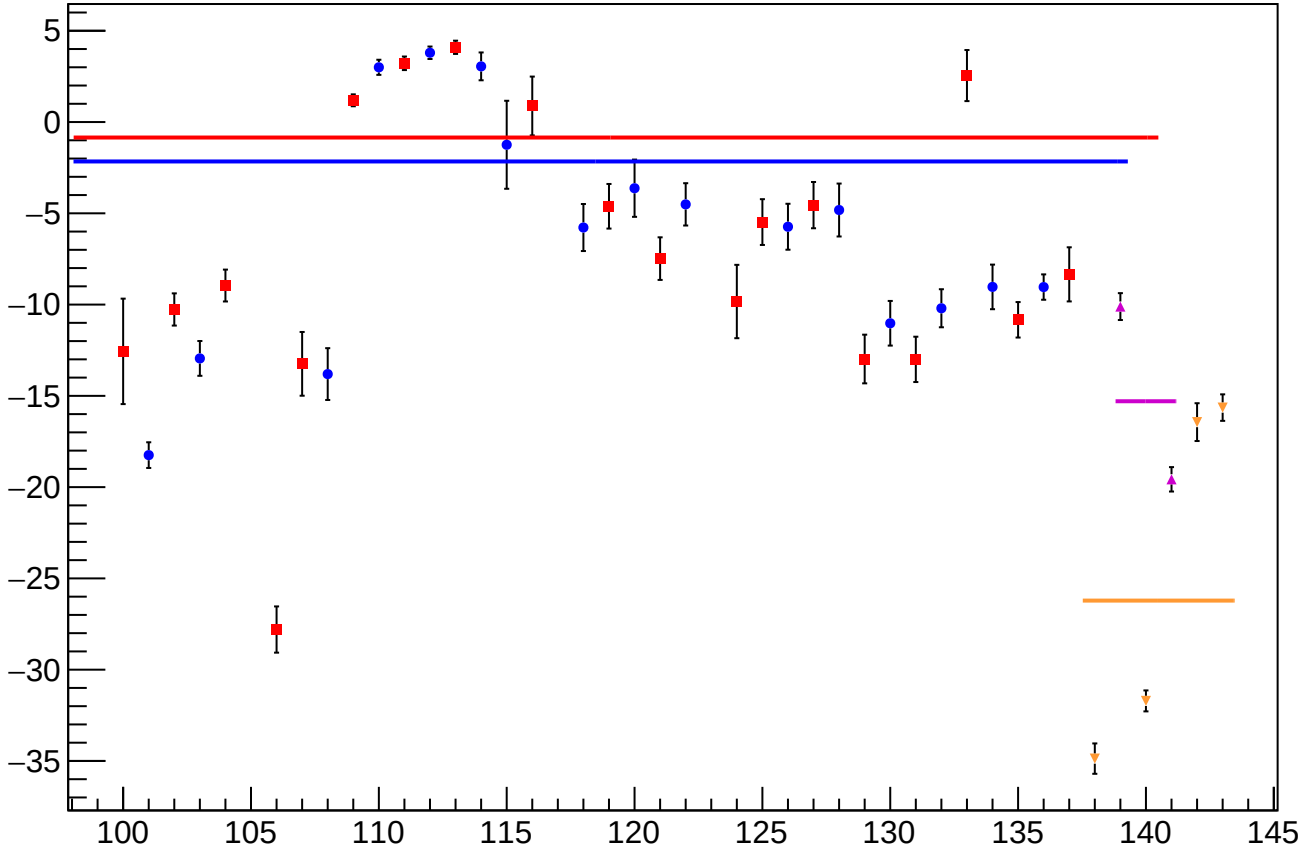
Left In: 0.358+/-0.013 χ^2/NDF:14.8/1

+ sign 0.308+/-0.009 χ^2/NDF: 985.2/19

All: 0.296+/-0.006 χ^2/NDF: 2277.1/40

- sign 0.281+/-0.010 χ^2/NDF: 1287.5/20

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -26.216+/-0.370 χ^2/NDF:501.1/3

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

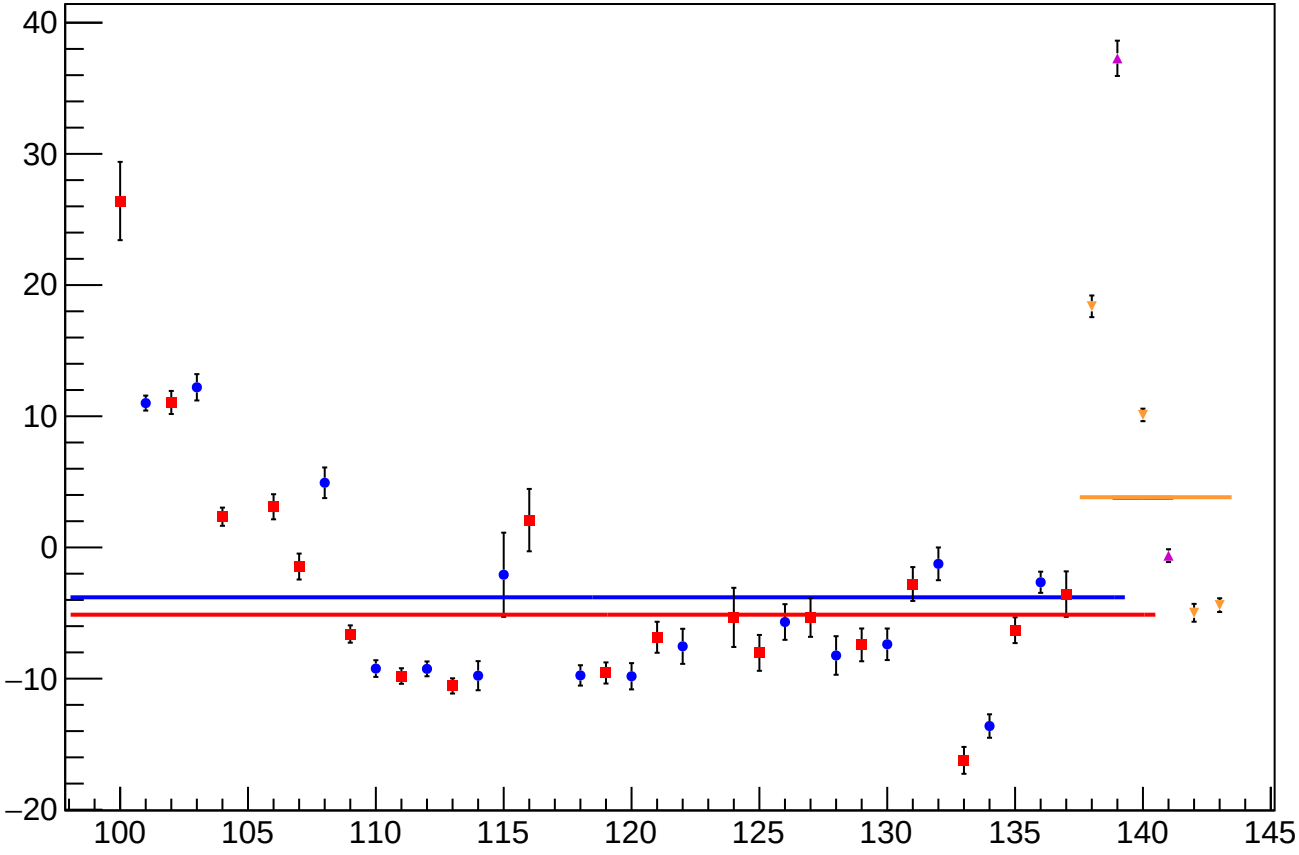
Left In: -15.295+/-0.495 χ^2/NDF:90.6/1

+ sign -7.264+/-0.170 χ^2/NDF: 5323.8/19

All: -4.685+/-0.117 χ^2/NDF: 8075.7/40

- sign -2.380+/-0.161 χ^2/NDF: 2318.1/20

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: 3.828+/-0.293 χ^2/NDF:896.6/3

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

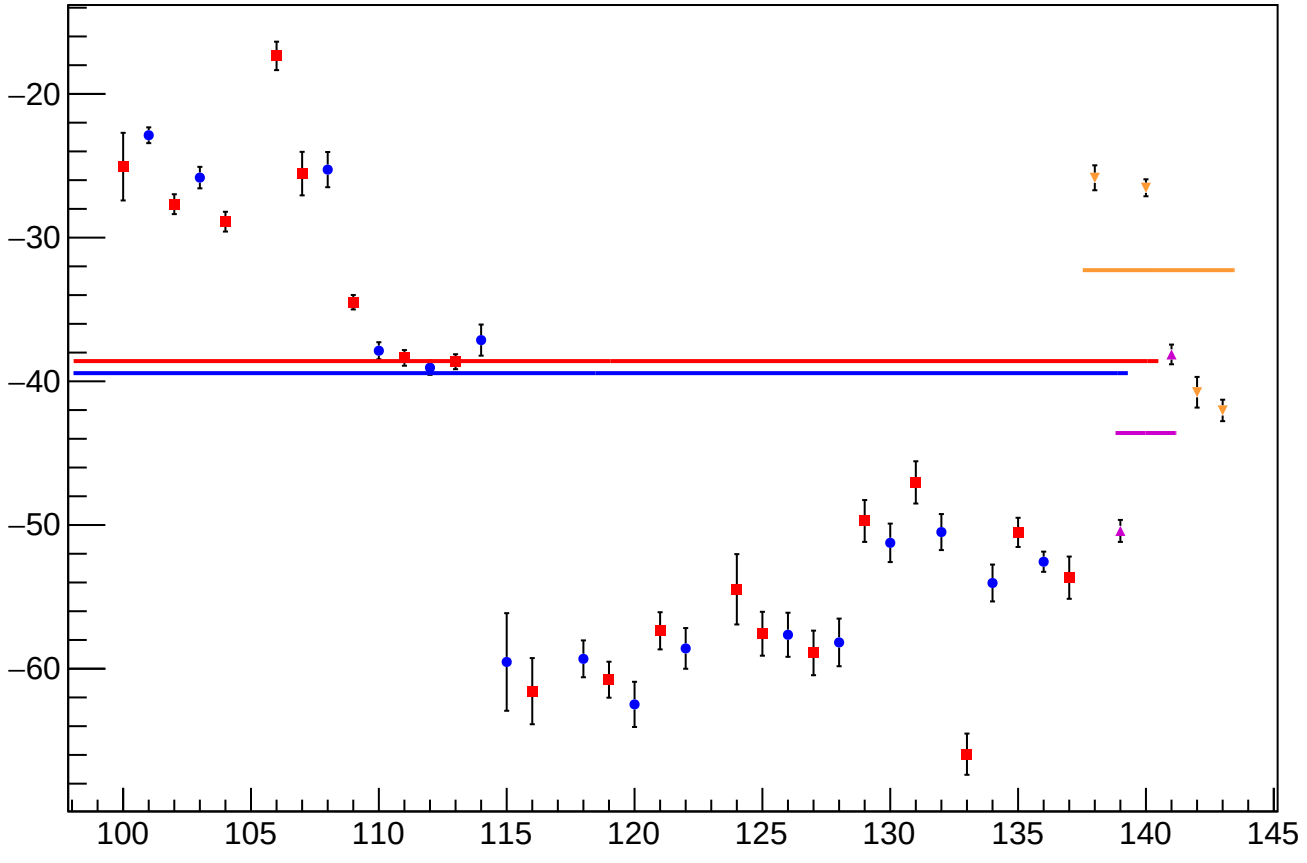
Left In: 3.786+/-0.459 χ^2/NDF:700.8/1

+ sign -0.961+/-0.179 χ^2/NDF: 2747.3/19

All: -2.095+/-0.133 χ^2/NDF: 4825.0/40

- sign -3.477+/-0.197 χ^2/NDF: 1988.5/20

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -32.264+/-0.382 χ^2/NDF:383.4/3

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

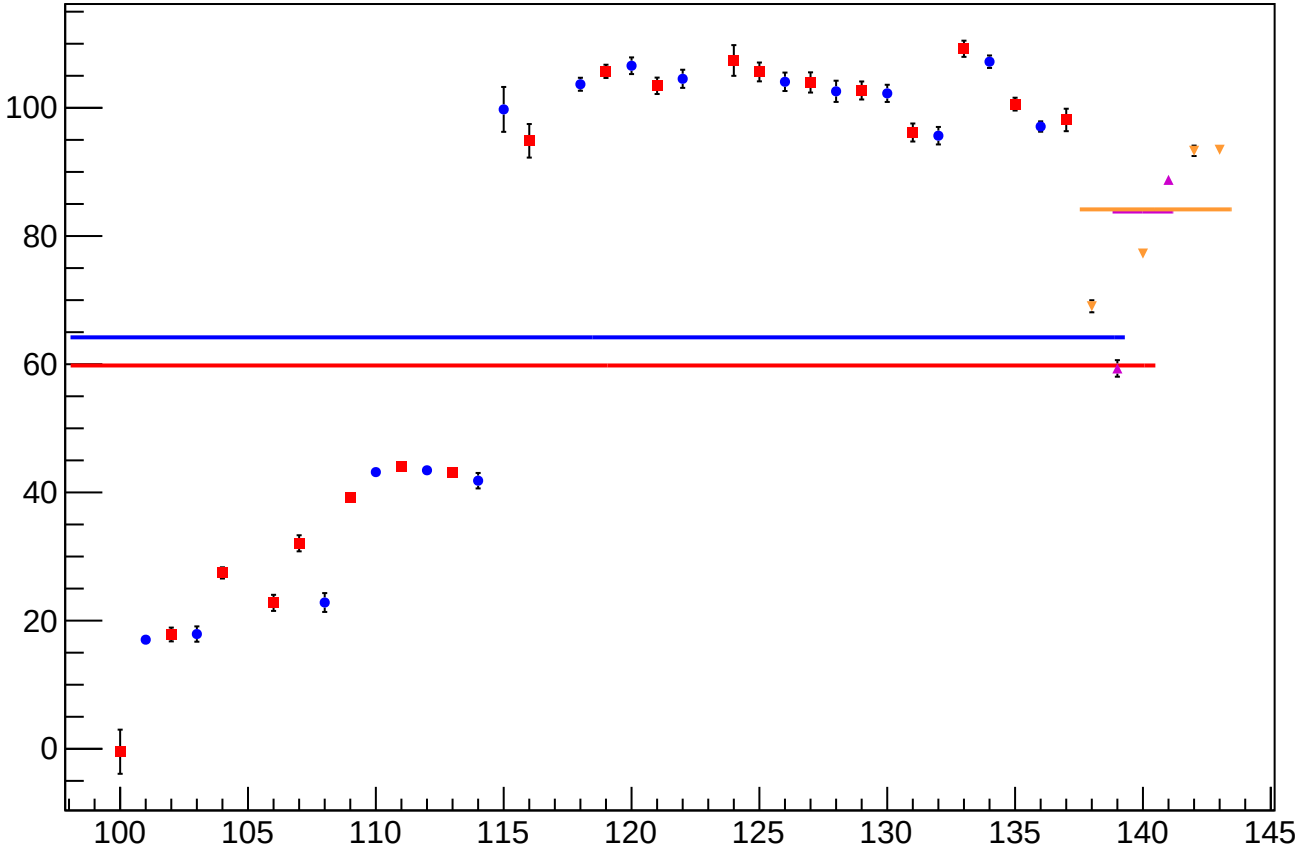
Left In: -43.598+/-0.511 χ^2/NDF:142.8/1

+ sign -37.577+/-0.194 χ^2/NDF: 3602.9/19

All: -38.445+/-0.138 χ^2/NDF: 6640.1/40

- sign -39.331+/-0.196 χ^2/NDF: 2996.8/20

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.156+/-0.348 χ^2/NDF:751.8/3

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

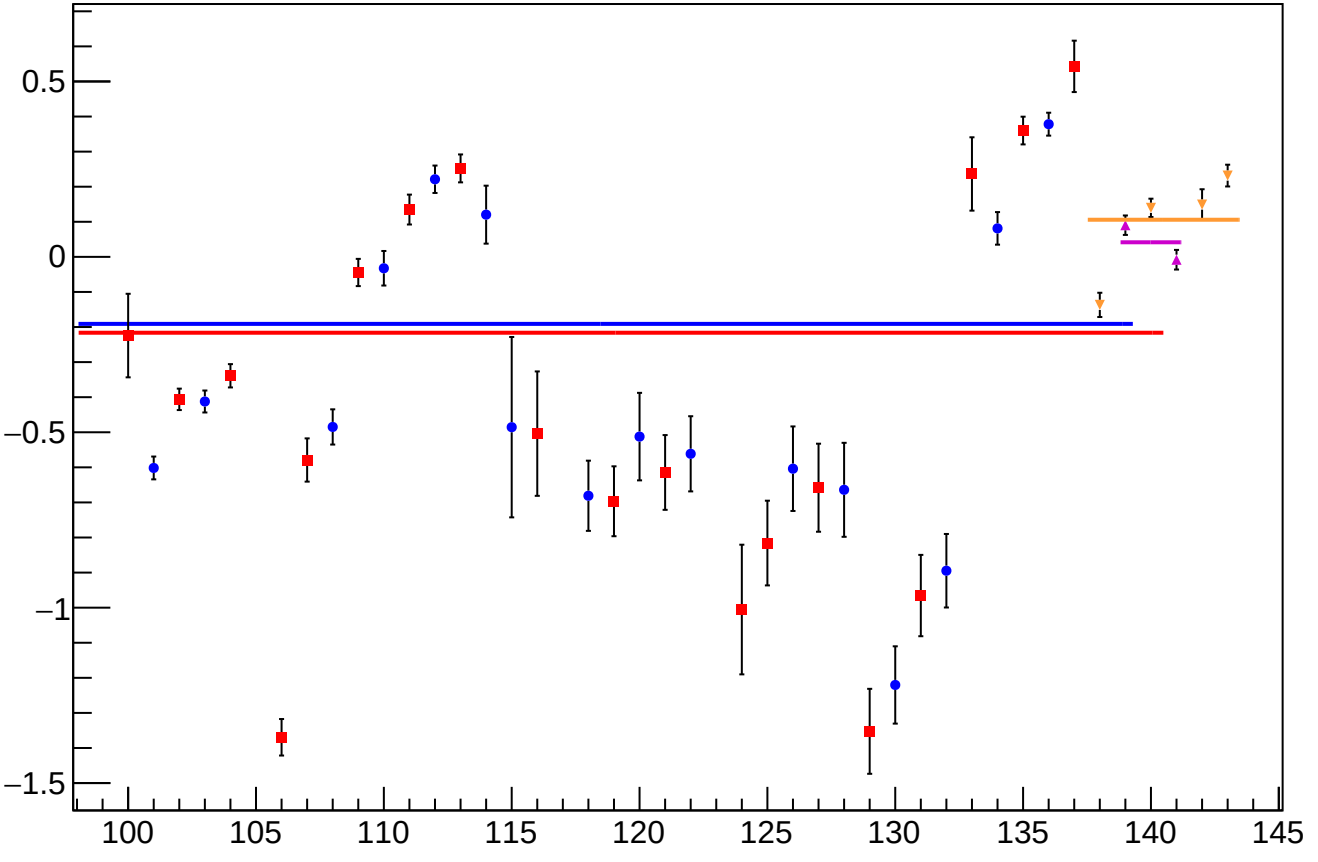
Left In: 83.821+/-0.530 χ^2/NDF:431.1/1

+ sign 71.261+/-0.207 χ^2/NDF: 21474.9/19

All: 68.000+/-0.152 χ^2/NDF: 41562.4/40

- sign 64.143+/-0.225 χ^2/NDF: 19545.9/20

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.106+/-0.016 χ^2/NDF:68.4/3

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

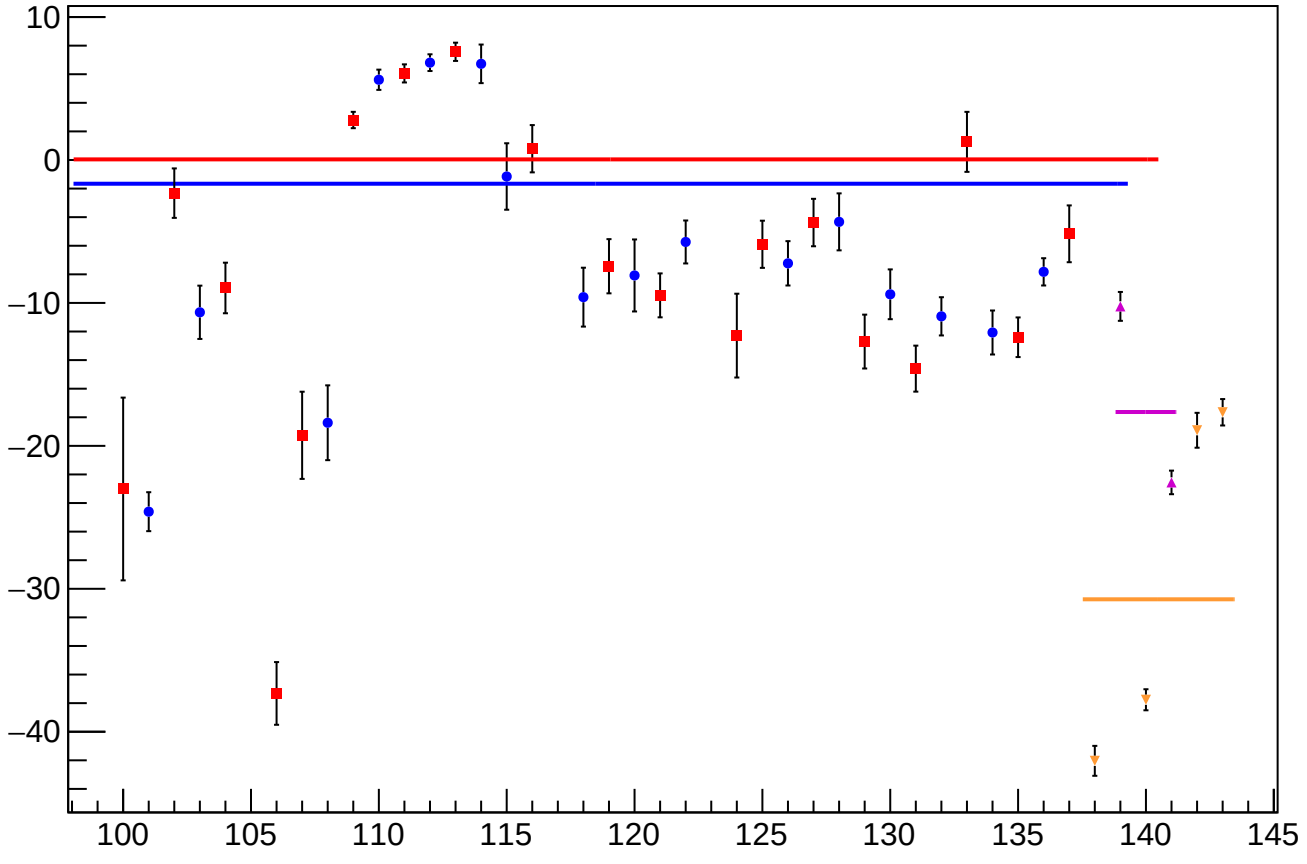
Left In: 0.042+/-0.020 χ^2/NDF:6.2/1

+ sign -0.069+/-0.010 χ^2/NDF: 1187.5/19

All: -0.102+/-0.007 χ^2/NDF: 2703.2/40

- sign -0.138+/-0.011 χ^2/NDF: 1494.1/20

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -30.735+/-0.466 χ^2/NDF:501.9/3

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

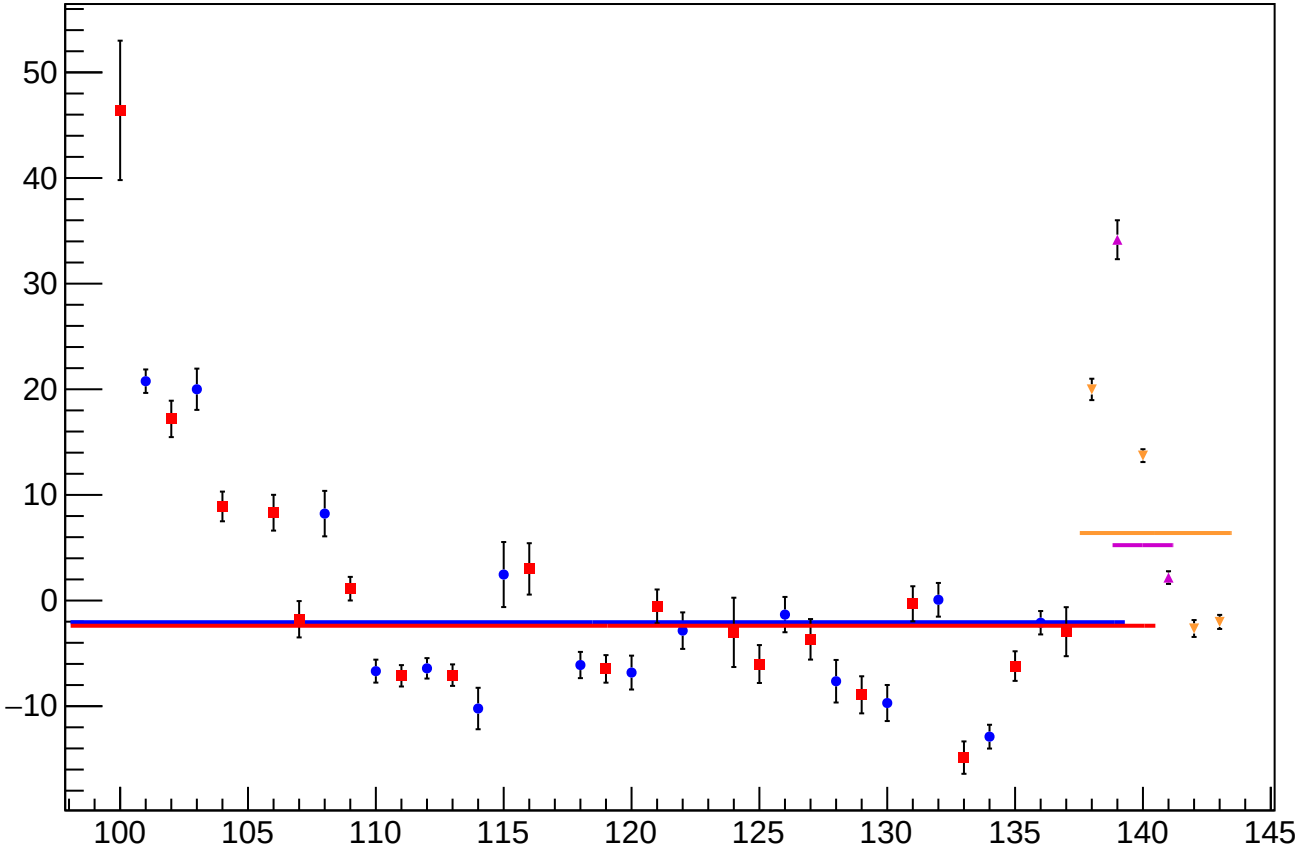
Left In: -17.631+/-0.639 χ^2/NDF:89.1/1

+ sign -10.493+/-0.257 χ^2/NDF: 4107.9/19

All: -6.678+/-0.182 χ^2/NDF: 6210.4/40

- sign -2.837+/-0.258 χ^2/NDF: 1660.5/20

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 6.393+/-0.365 χ^2/NDF:613.0/3

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

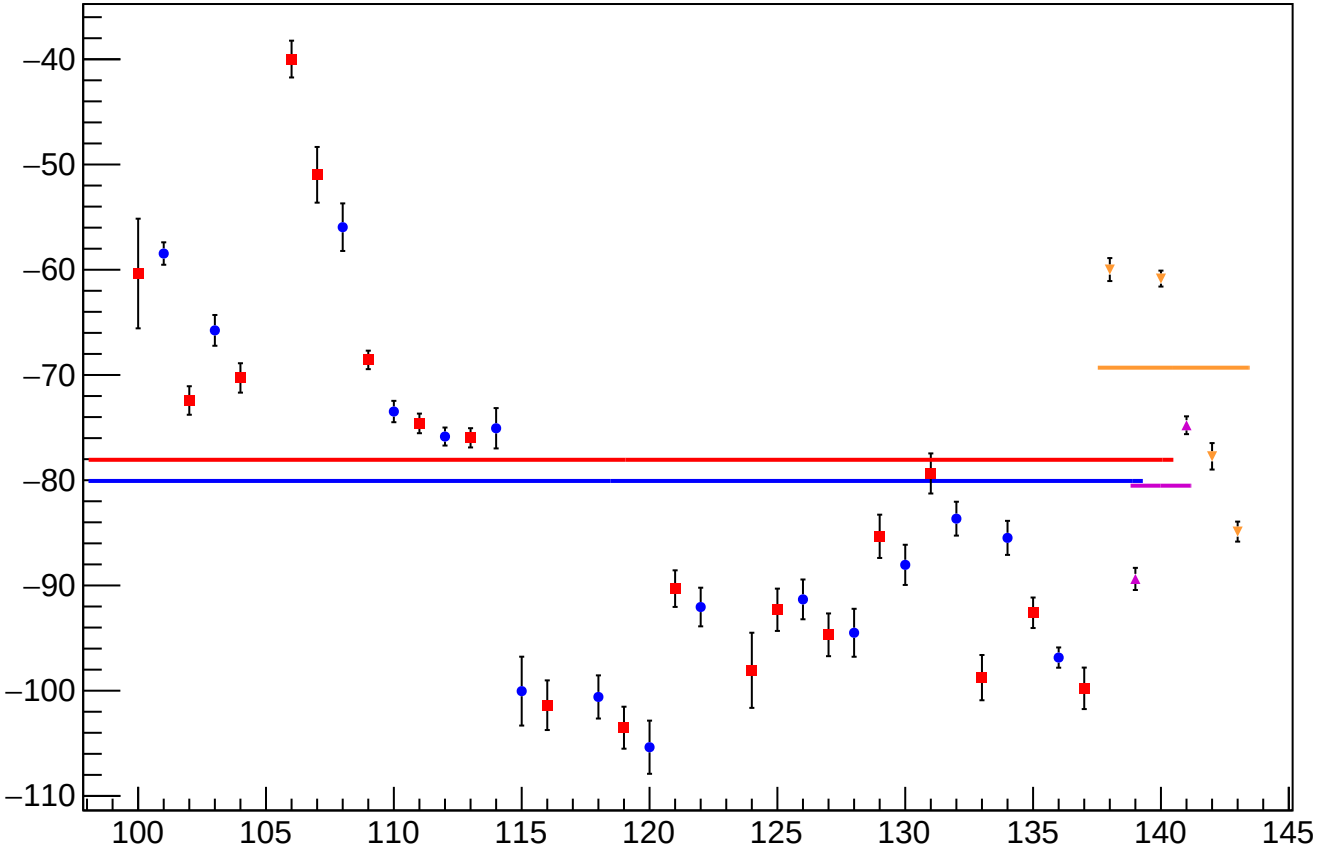
Left In: 5.244+/-0.571 χ^2/NDF:272.4/1

+ sign 2.066+/-0.255 χ^2/NDF: 1658.9/19

All: 1.099+/-0.195 χ^2/NDF: 2545.6/40

- sign -0.255+/-0.302 χ^2/NDF: 852.1/20

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -69.306+/-0.481 χ^2/NDF:511.2/3

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

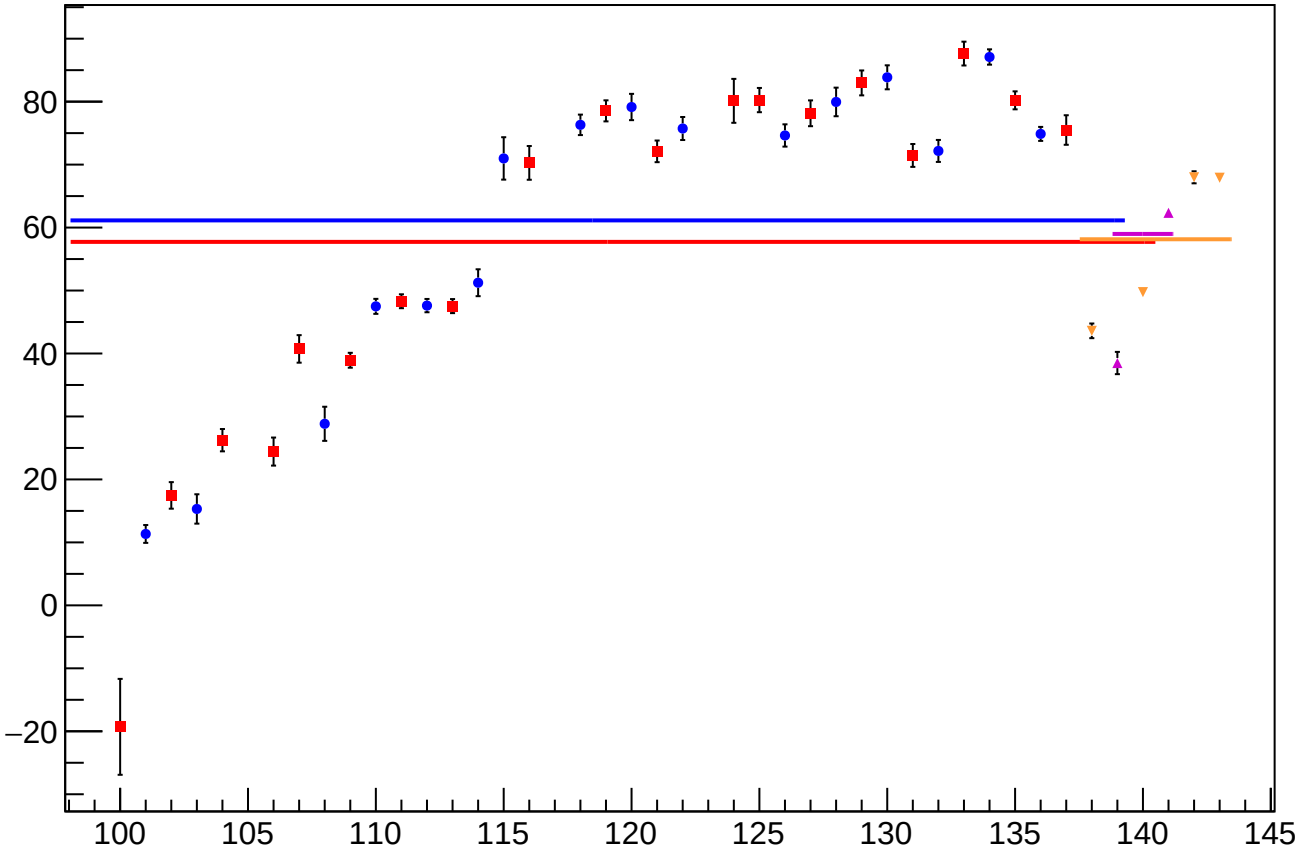
Left In: -80.519+/-0.659 χ^2/NDF:117.1/1

+ sign -76.145+/-0.290 χ^2/NDF: 2216.4/19

All: -77.291+/-0.212 χ^2/NDF: 3938.9/40

- sign -78.608+/-0.312 χ^2/NDF: 1689.1/20

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.142+/-0.434 χ^2/NDF:546.6/3

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

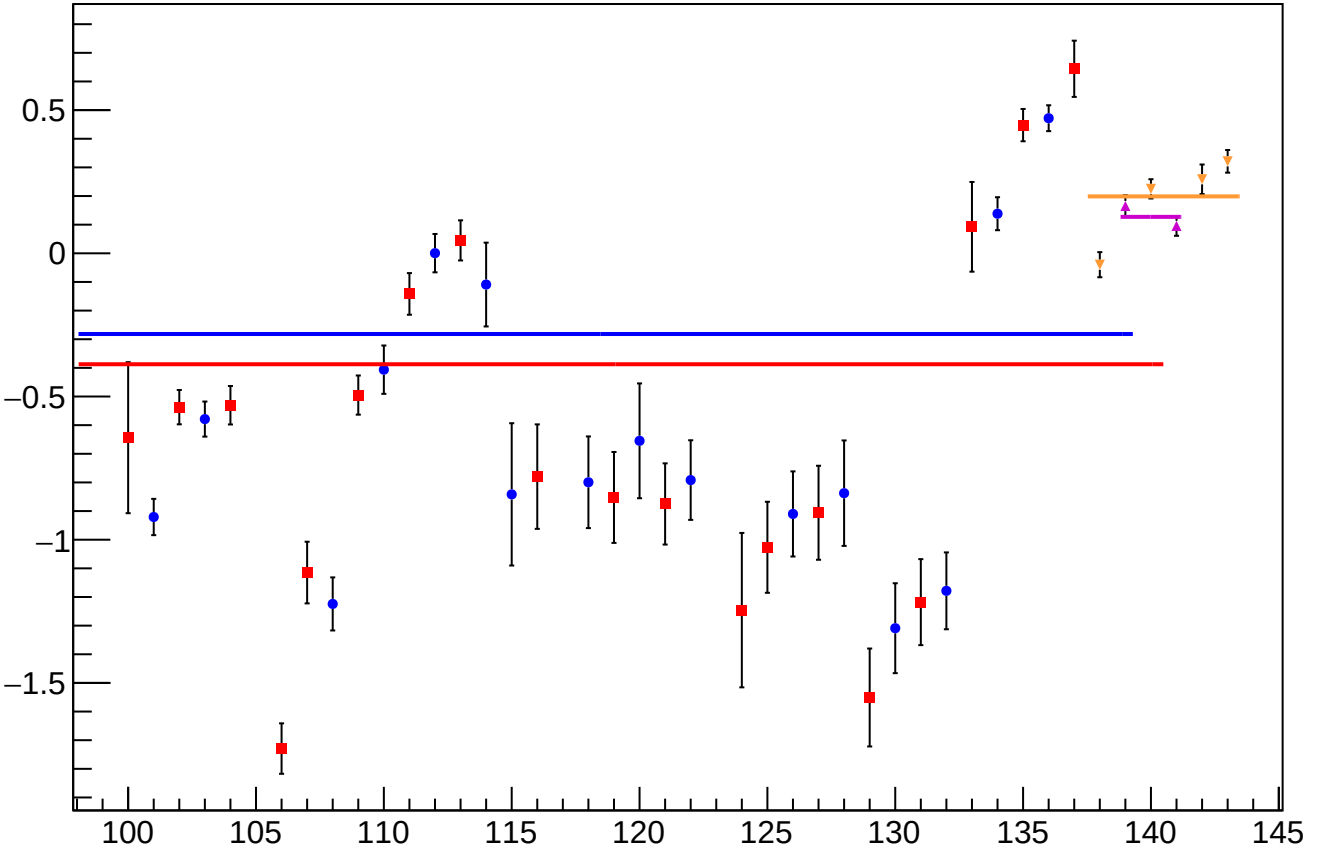
Left In: 58.990+/-0.663 χ^2/NDF:156.4/1

+ sign 59.761+/-0.294 χ^2/NDF: 3801.6/19

All: 59.040+/-0.223 χ^2/NDF: 6750.3/40

- sign 58.065+/-0.343 χ^2/NDF: 2934.6/20

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.199+/-0.020 χ^2/NDF:41.1/3

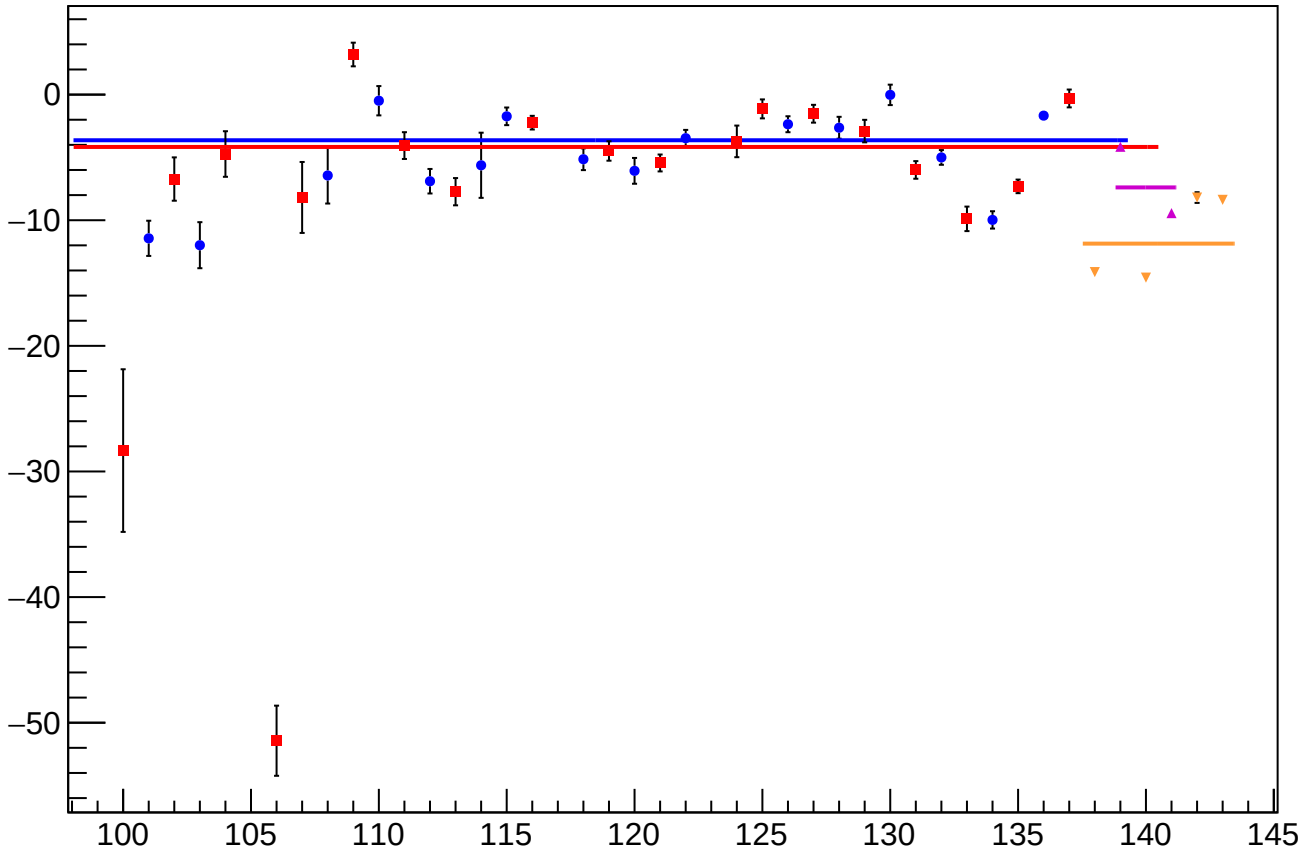
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.127+/-0.026 χ^2/NDF:1.8/1

+ sign -0.027+/-0.015 χ^2/NDF: 1031.3/19

All: -0.090+/-0.011 χ^2/NDF: 2126.6/40

- sign -0.169+/-0.017 χ^2/NDF: 1054.2/20



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.862+/-0.162 χ^2/NDF:344.0/3

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

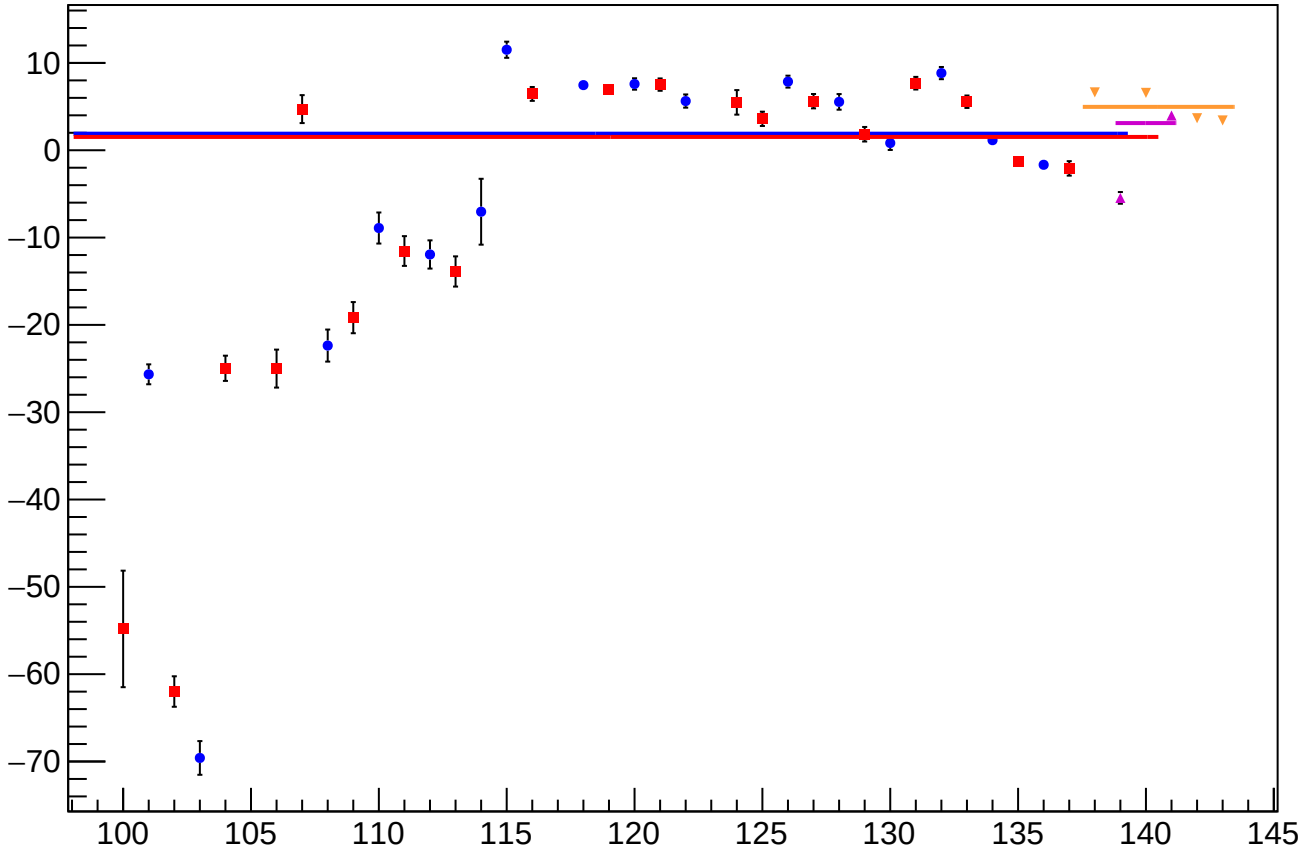
Left In: -7.388+/-0.229 χ^2/NDF:125.8/1

\+ sign -8.368+/-0.123 χ^2/NDF: 1668.9/19

All: -7.239+/-0.095 χ^2/NDF: 2646.1/40

\- sign -5.553+/-0.151 χ^2/NDF: 767.7/20

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 4.969+/-0.127 χ^2/NDF:147.5/3

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

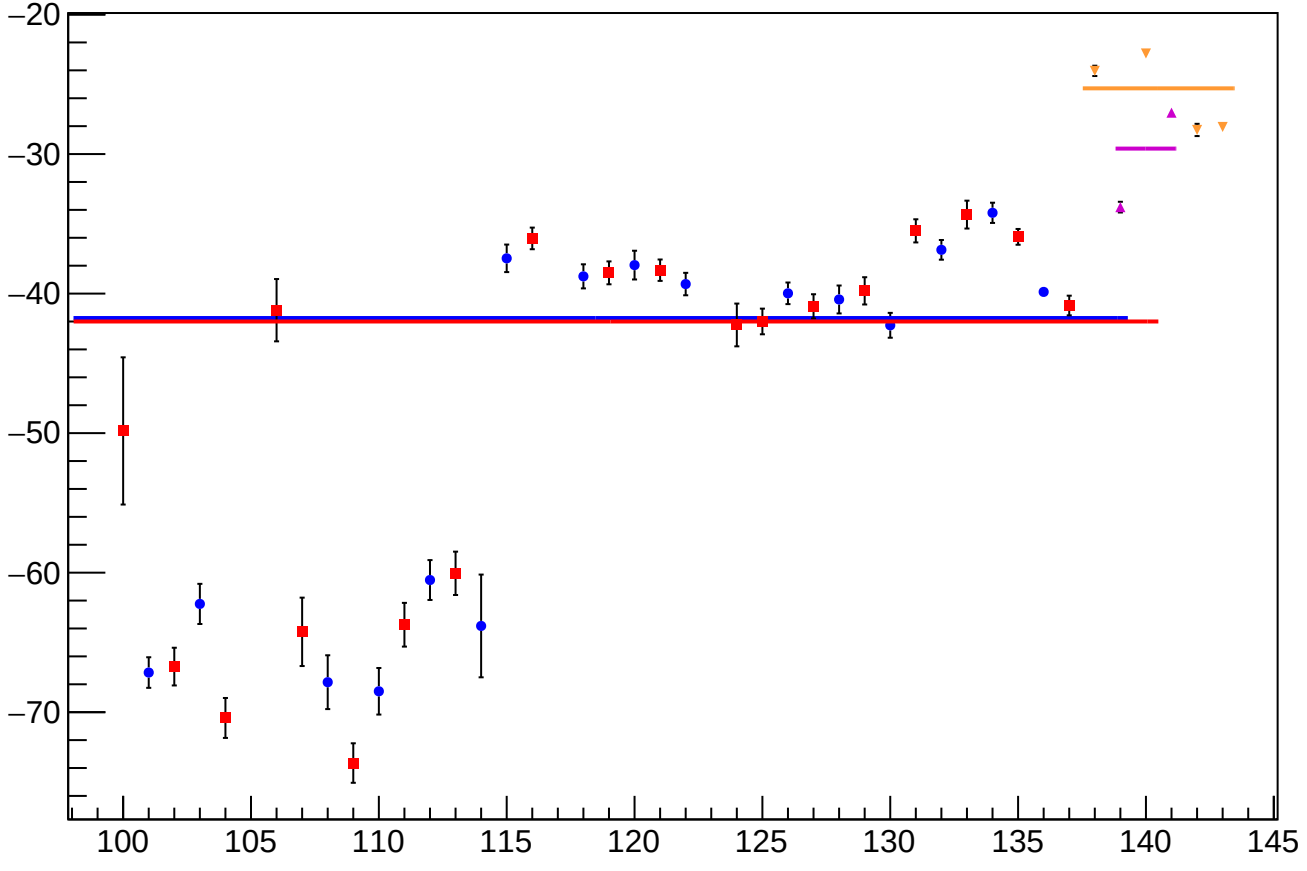
Left In: 3.112+/-0.203 χ^2/NDF:180.4/1

+ sign 4.018+/-0.105 χ^2/NDF: 3167.9/19

All: 3.441+/-0.085 χ^2/NDF: 6025.4/40

- sign 2.340+/-0.145 χ^2/NDF: 2770.0/20

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -25.290+/-0.168 χ^2/NDF:215.8/3

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

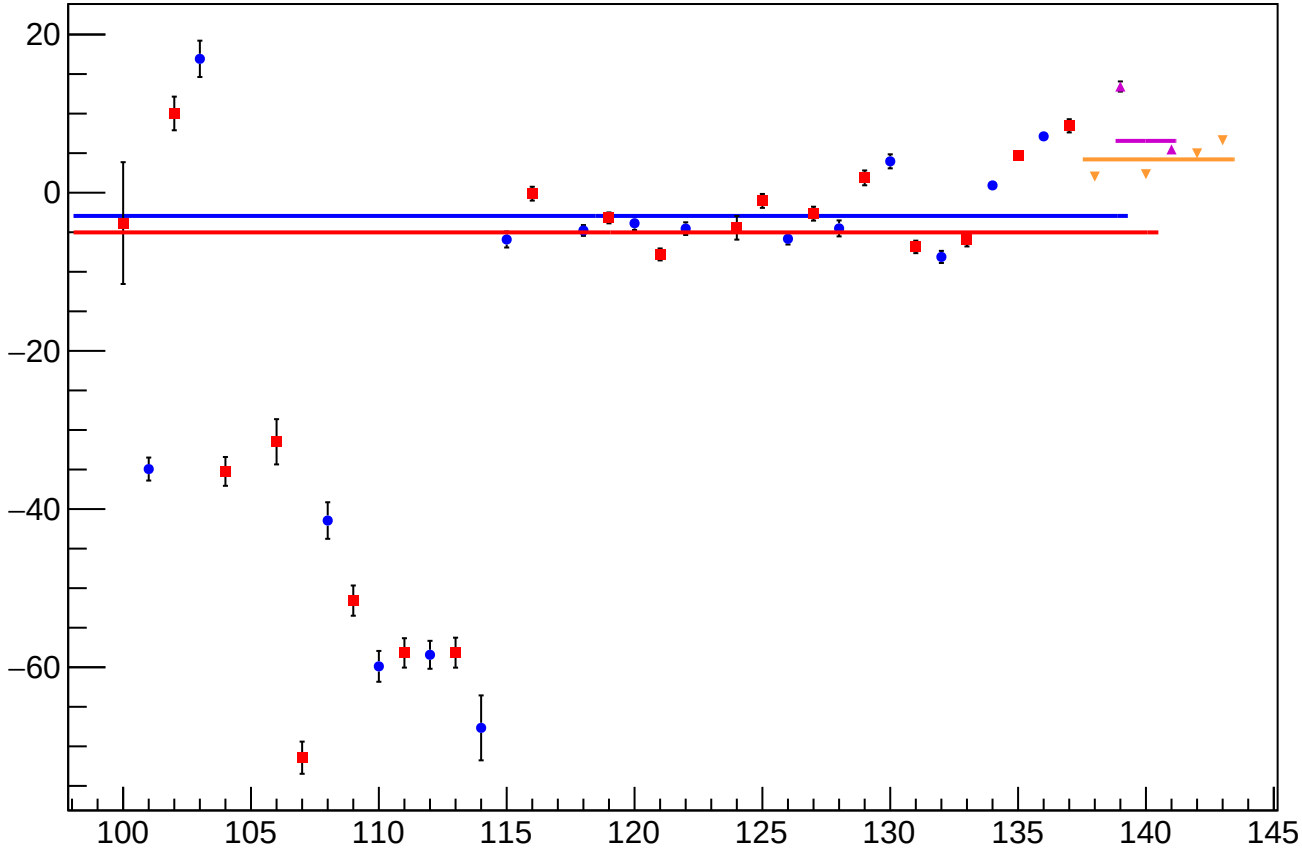
Left In: -29.608+/-0.237 χ^2/NDF:192.8/1

+ sign -31.782+/-0.130 χ^2/NDF: 5656.4/19

All: -33.423+/-0.102 χ^2/NDF: 9664.0/40

- sign -36.029+/-0.164 χ^2/NDF: 3597.6/20

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 4.210+/-0.151 χ^2/NDF:169.8/3

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

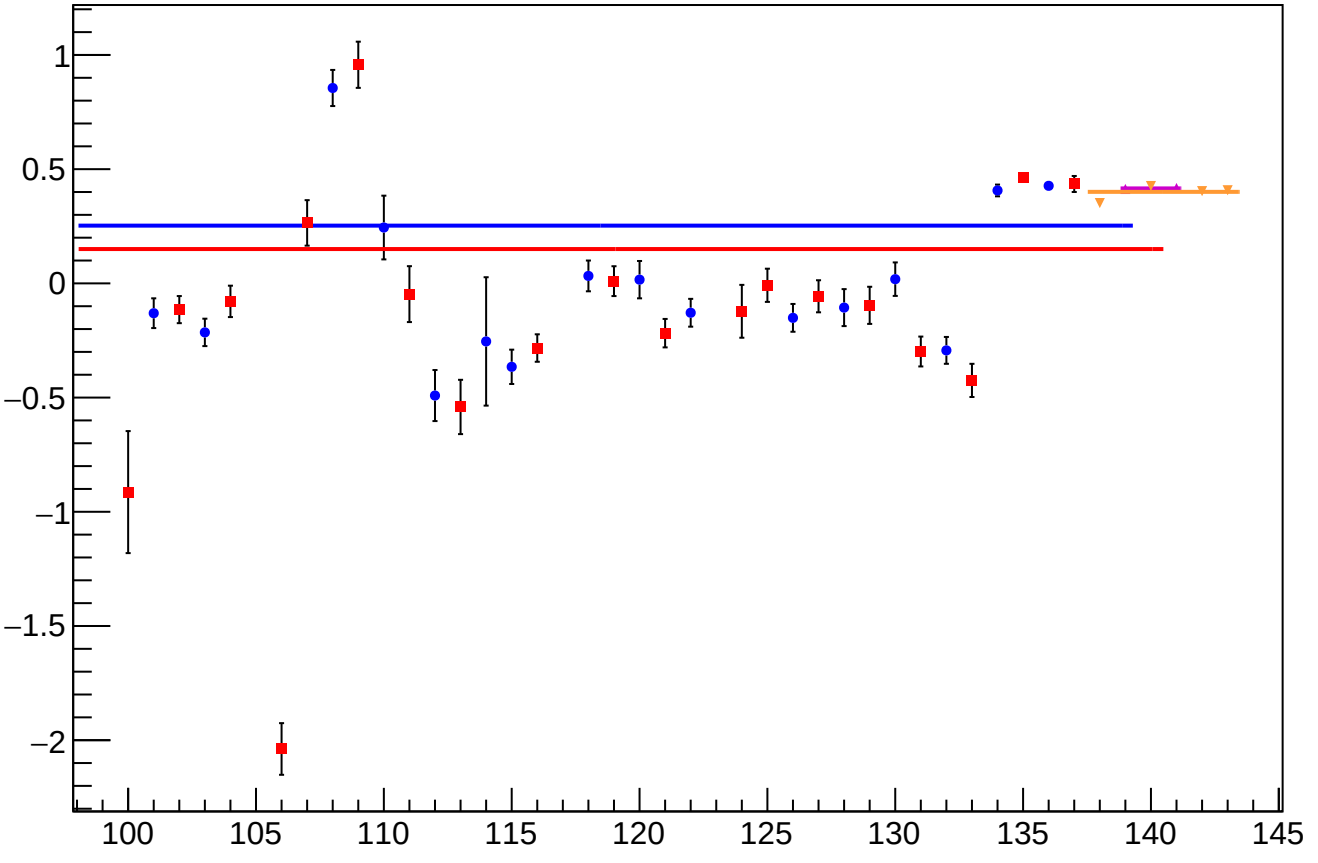
Left In: 6.550+/-0.236 χ^2/NDF:132.5/1

+ sign 1.776+/-0.122 χ^2/NDF: 4661.4/19

All: 1.381+/-0.098 χ^2/NDF: 10422.9/40

- sign 0.659+/-0.165 χ^2/NDF: 5732.1/20

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.401+/-0.007 χ^2/NDF:15.5/3

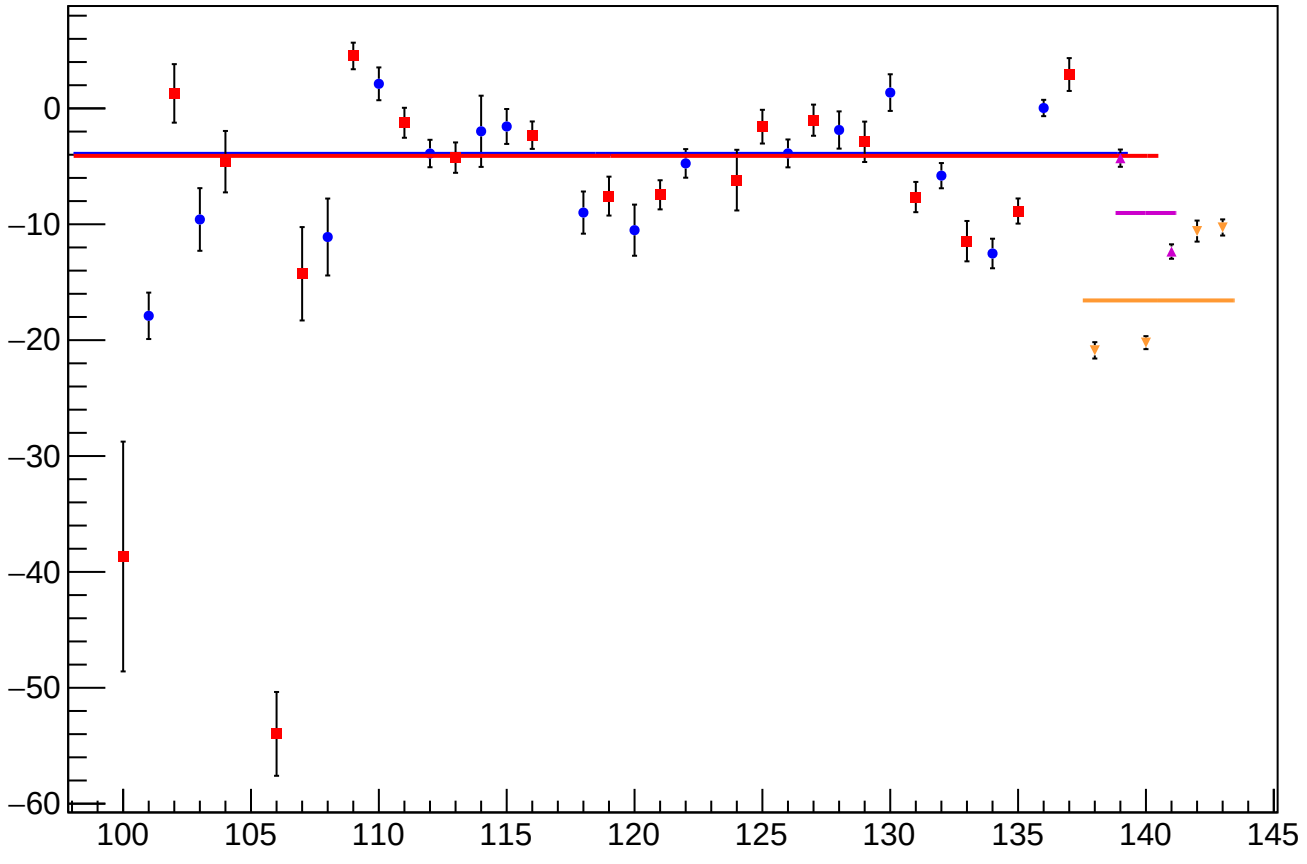
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.416+/-0.009 χ^2/NDF:0.1/1

+ sign 0.360+/-0.006 χ^2/NDF: 766.7/19

All: 0.349+/-0.005 χ^2/NDF: 2062.3/40

- sign 0.331+/-0.008 χ^2/NDF: 1286.4/20



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -16.573+/-0.344 χ^2/NDF:204.4/3

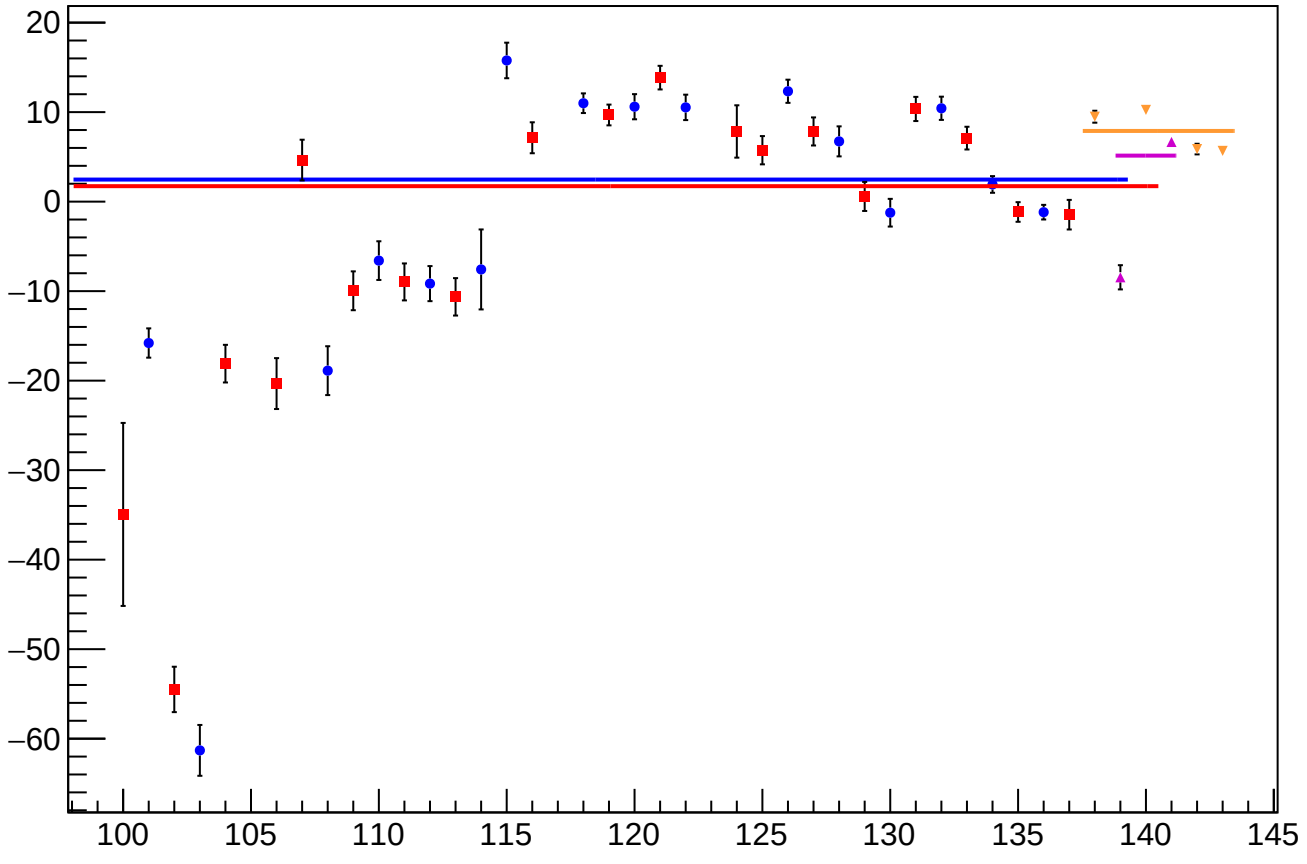
Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -9.025+/-0.479 χ^2/NDF:68.7/1

+ sign -10.287+/-0.244 χ^2/NDF: 1065.4/19

All: -8.422+/-0.186 χ^2/NDF: 1708.1/40

- sign -5.857+/-0.286 χ^2/NDF: 503.8/20



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 7.897+/-0.270 χ^2/NDF:63.0/3

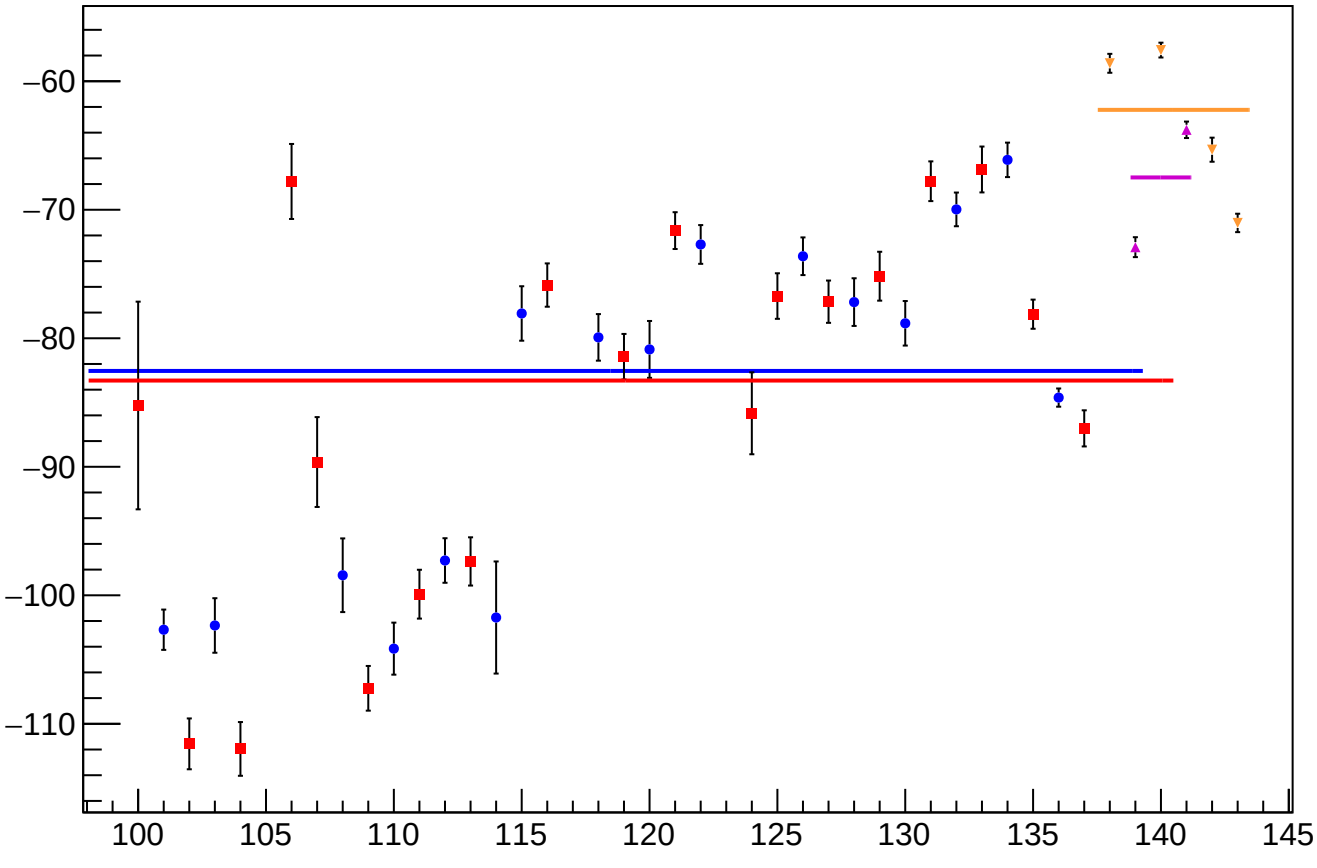
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 5.141+/-0.430 χ^2/NDF:112.2/1

+ sign 5.923+/-0.215 χ^2/NDF: 1257.3/19

All: 4.963+/-0.172 χ^2/NDF: 2442.9/40

- sign 3.252+/-0.287 χ^2/NDF: 1130.2/20



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -62.227+/-0.355 χ^2/NDF:250.9/3

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

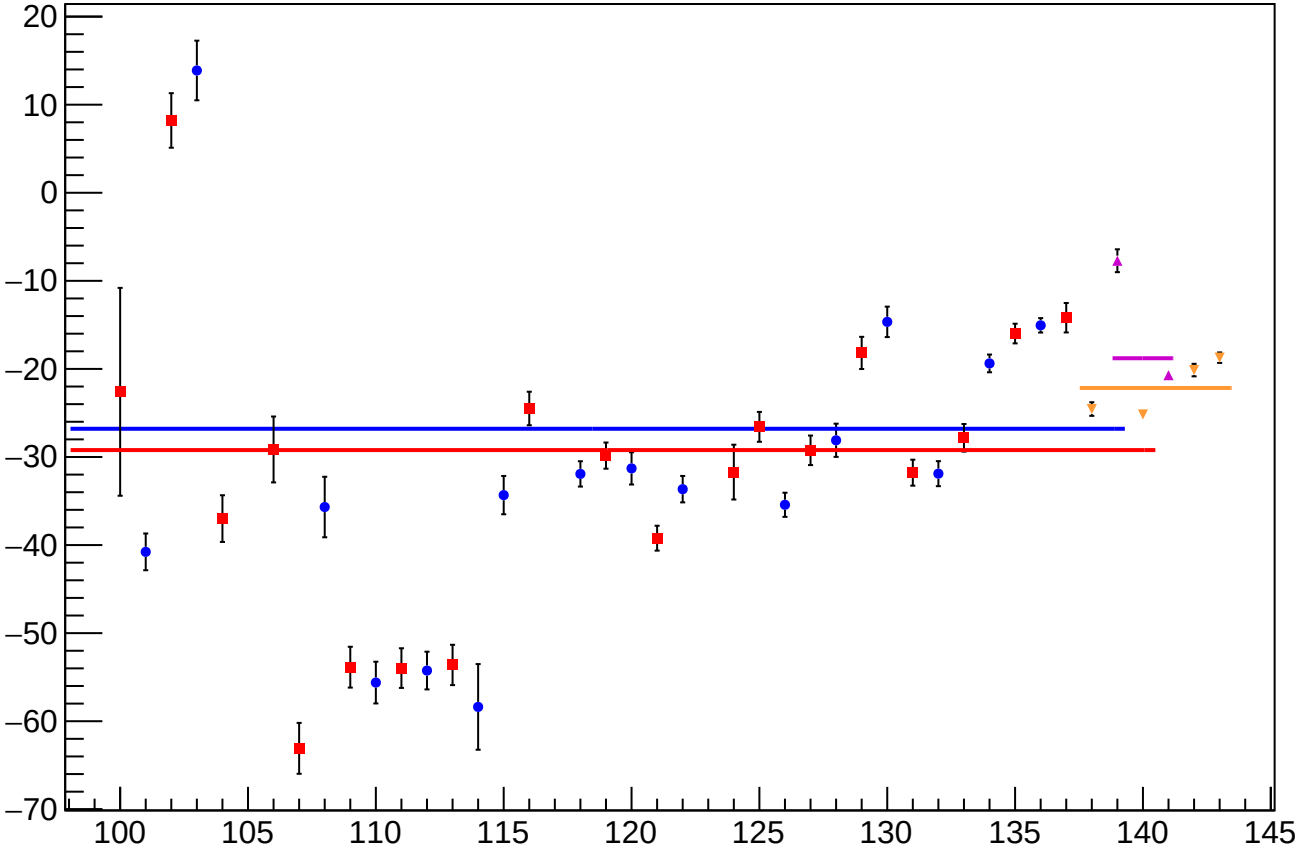
Left In: -67.486+/-0.494 χ^2/NDF:82.4/1

+ sign -71.578+/-0.261 χ^2/NDF: 2597.7/19

All: -73.668+/-0.201 χ^2/NDF: 4533.1/40

- sign -76.764+/-0.317 χ^2/NDF: 1776.0/20

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -22.163+/-0.321 χ^2/NDF:80.3/3

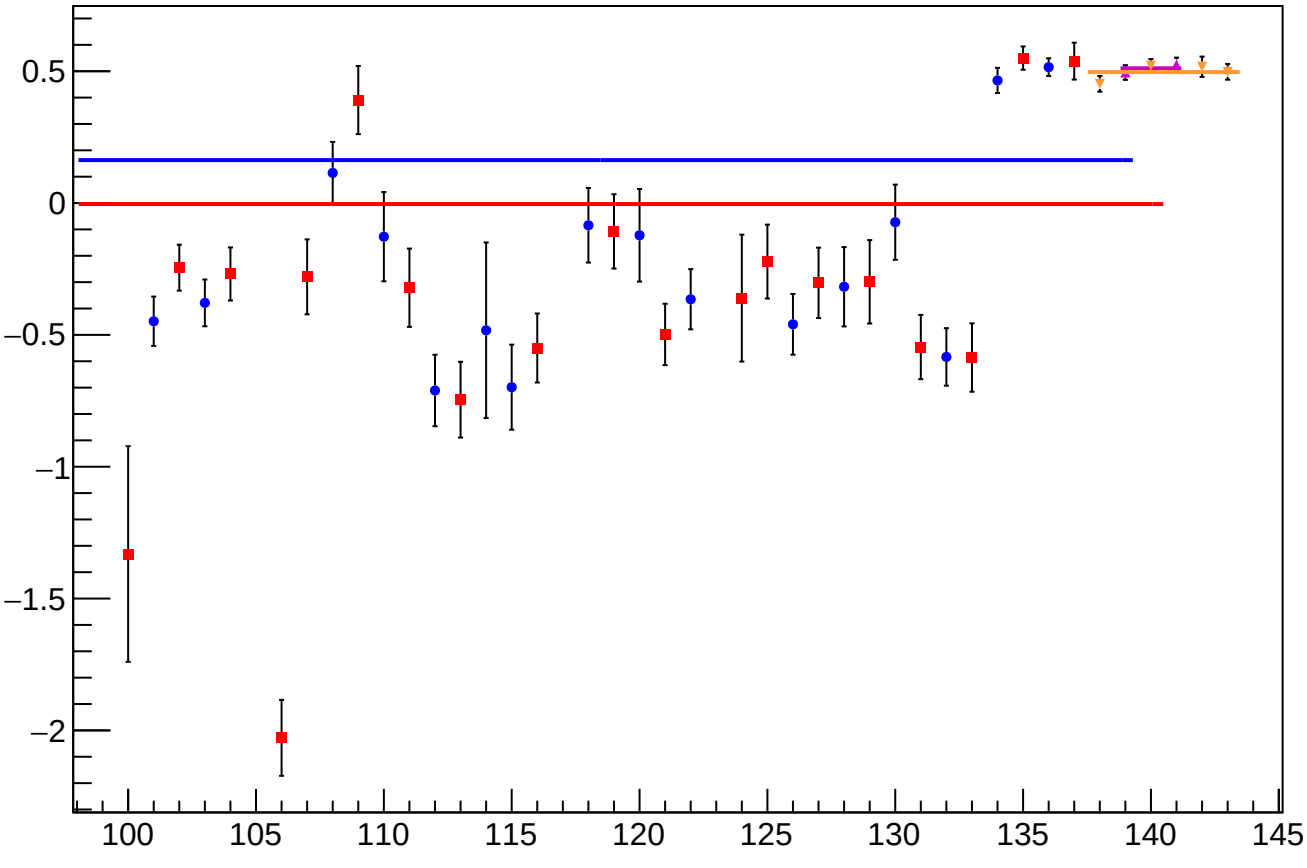
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -18.789+/-0.499 χ^2/NDF:85.3/1

+ sign -24.003+/-0.249 χ^2/NDF: 1126.5/19

All: -24.283+/-0.198 χ^2/NDF: 2425.7/40

- sign -24.764+/-0.326 χ^2/NDF: 1295.8/20



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.497+/-0.015 χ^2/NDF:3.4/3

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

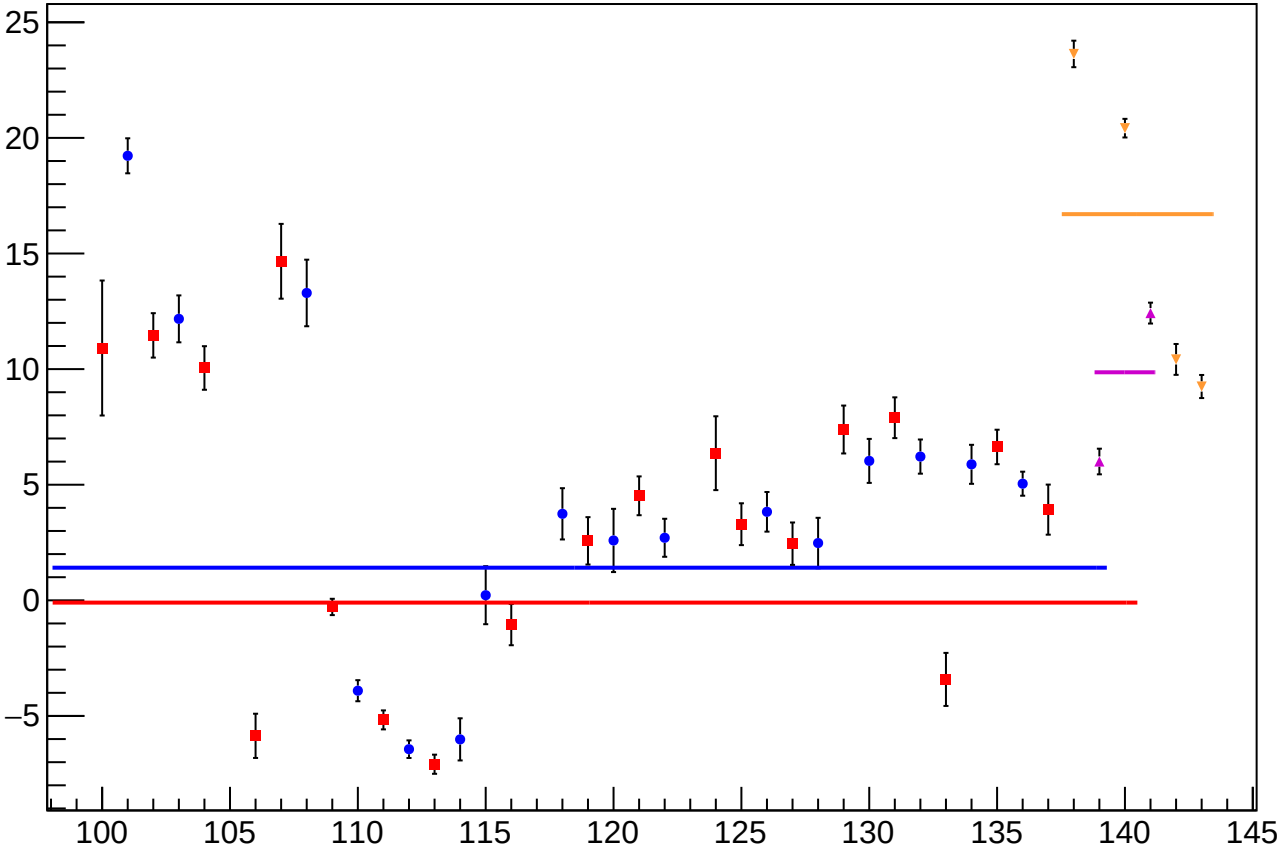
Left In: 0.511+/-0.019 χ^2/NDF:0.6/1

+ sign 0.387+/-0.012 χ^2/NDF: 589.2/19

All: 0.358+/-0.010 χ^2/NDF: 1452.8/40

- sign 0.316+/-0.015 χ^2/NDF: 850.1/20

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: 16.702+/-0.254 χ^2/NDF:542.7/3

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

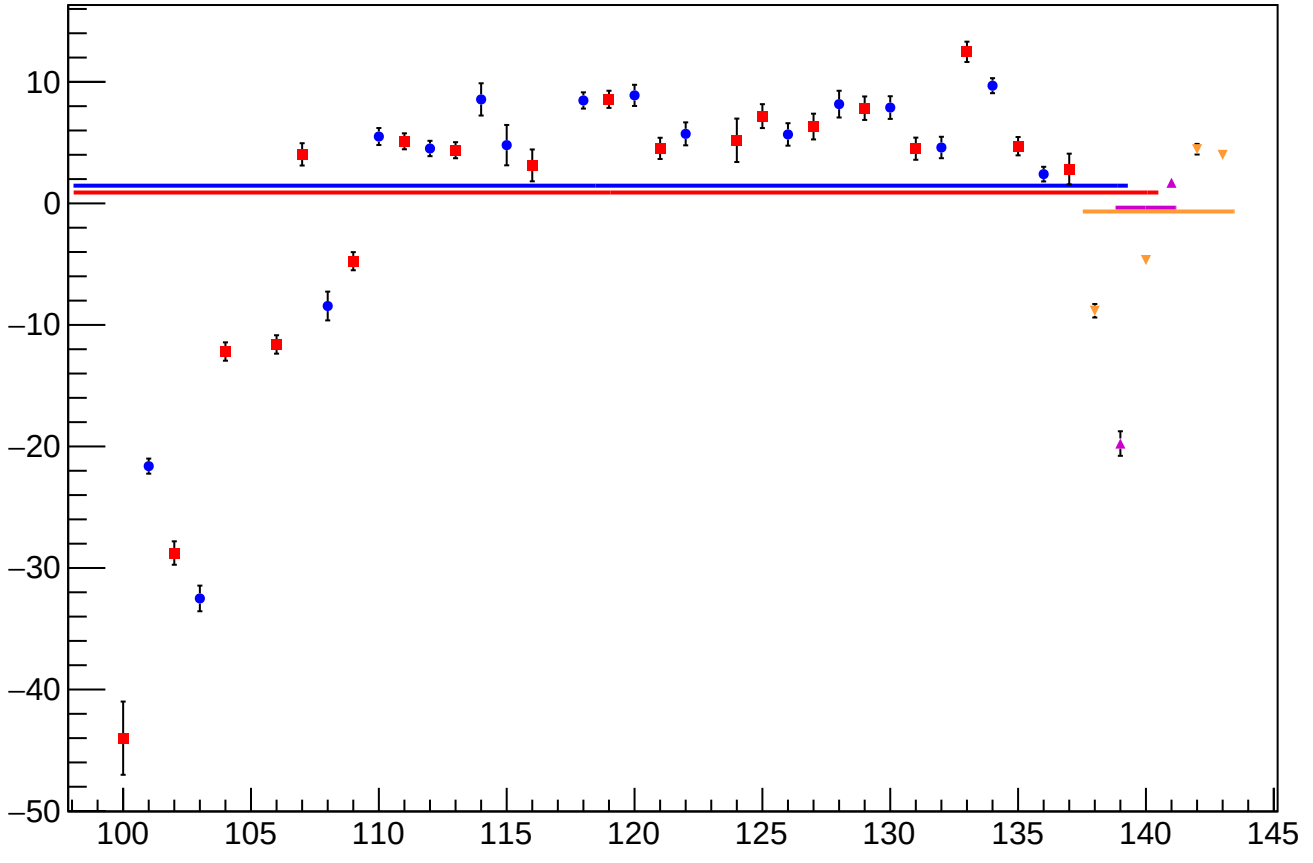
Left In: 9.863+/-0.350 χ^2/NDF:80.5/1

+ sign 6.632+/-0.149 χ^2/NDF: 4445.6/19

All: 4.233+/-0.106 χ^2/NDF: 6861.8/40

- sign 1.754+/-0.151 χ^2/NDF: 1886.2/20

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: -0.667+/-0.199 χ^2/NDF:666.4/3

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

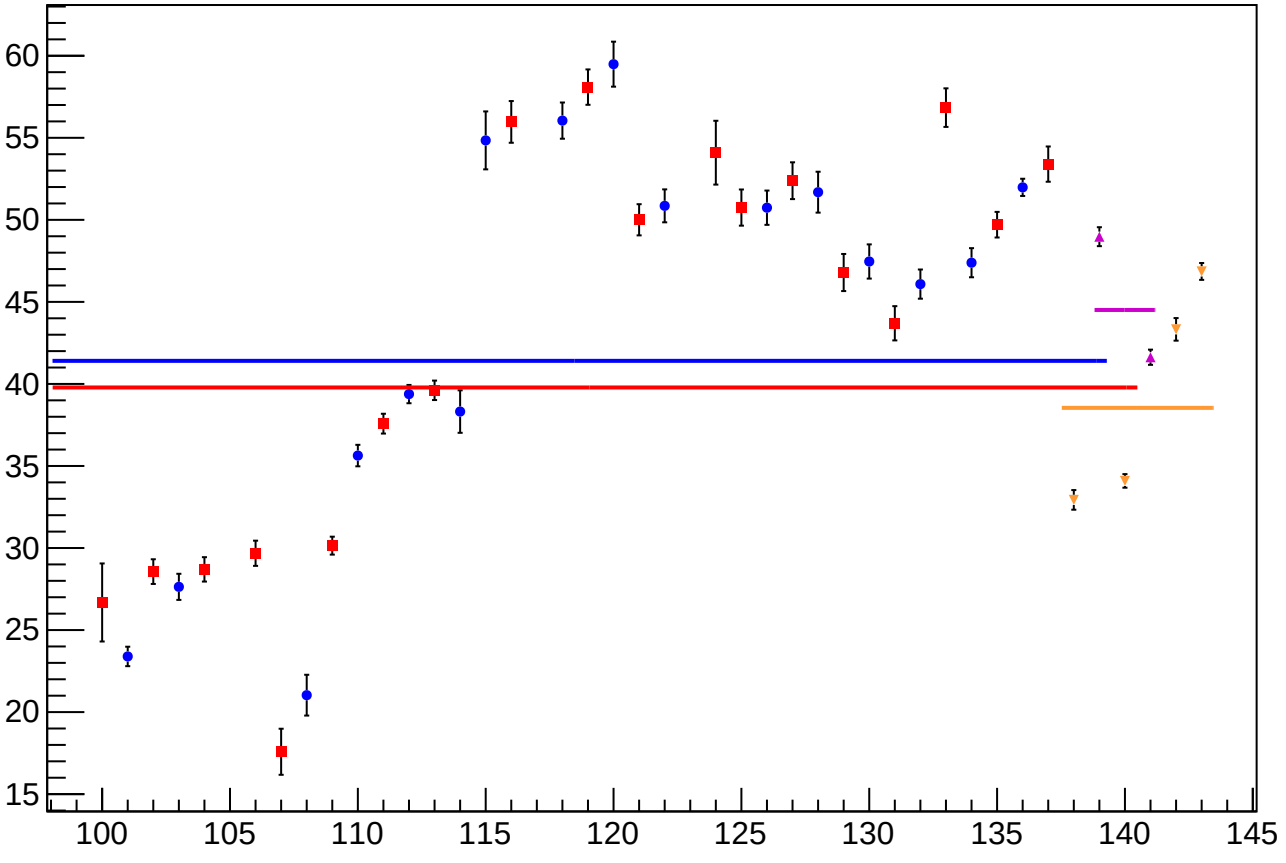
Left In: -0.352+/-0.313 χ^2/NDF:407.4/1

+ sign 0.373+/-0.142 χ^2/NDF: 3802.4/19

All: 0.437+/-0.109 χ^2/NDF: 6598.7/40

- sign 0.528+/-0.170 χ^2/NDF: 2795.8/20

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 38.542+/-0.262 χ^2/NDF:514.0/3

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

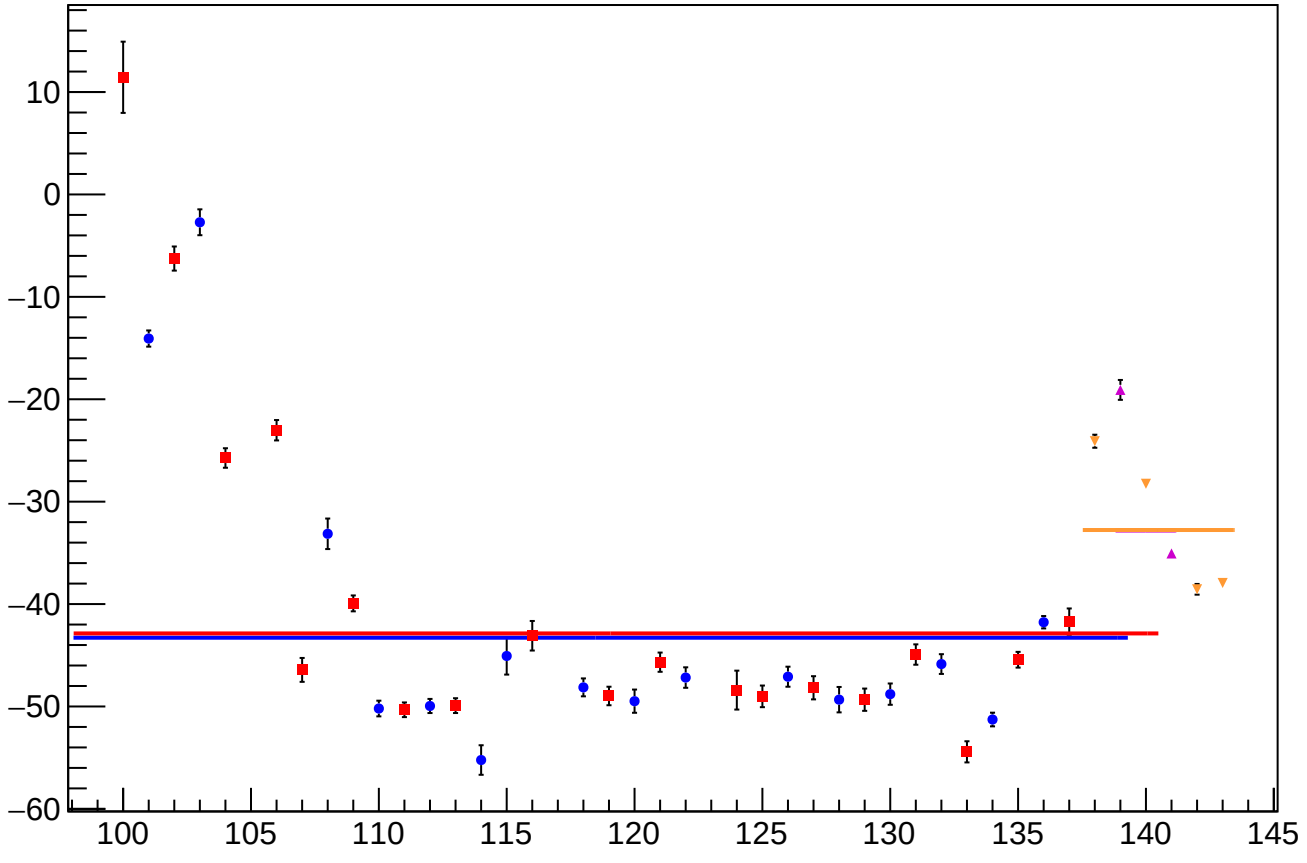
Left In: 44.508+/-0.361 χ^2/NDF:98.5/1

+ sign 40.284+/-0.164 χ^2/NDF: 3332.5/19

All: 40.577+/-0.120 χ^2/NDF: 6221.7/40

- sign 40.916+/-0.177 χ^2/NDF: 2882.3/20

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -32.769+/-0.237 χ^2/NDF:581.2/3

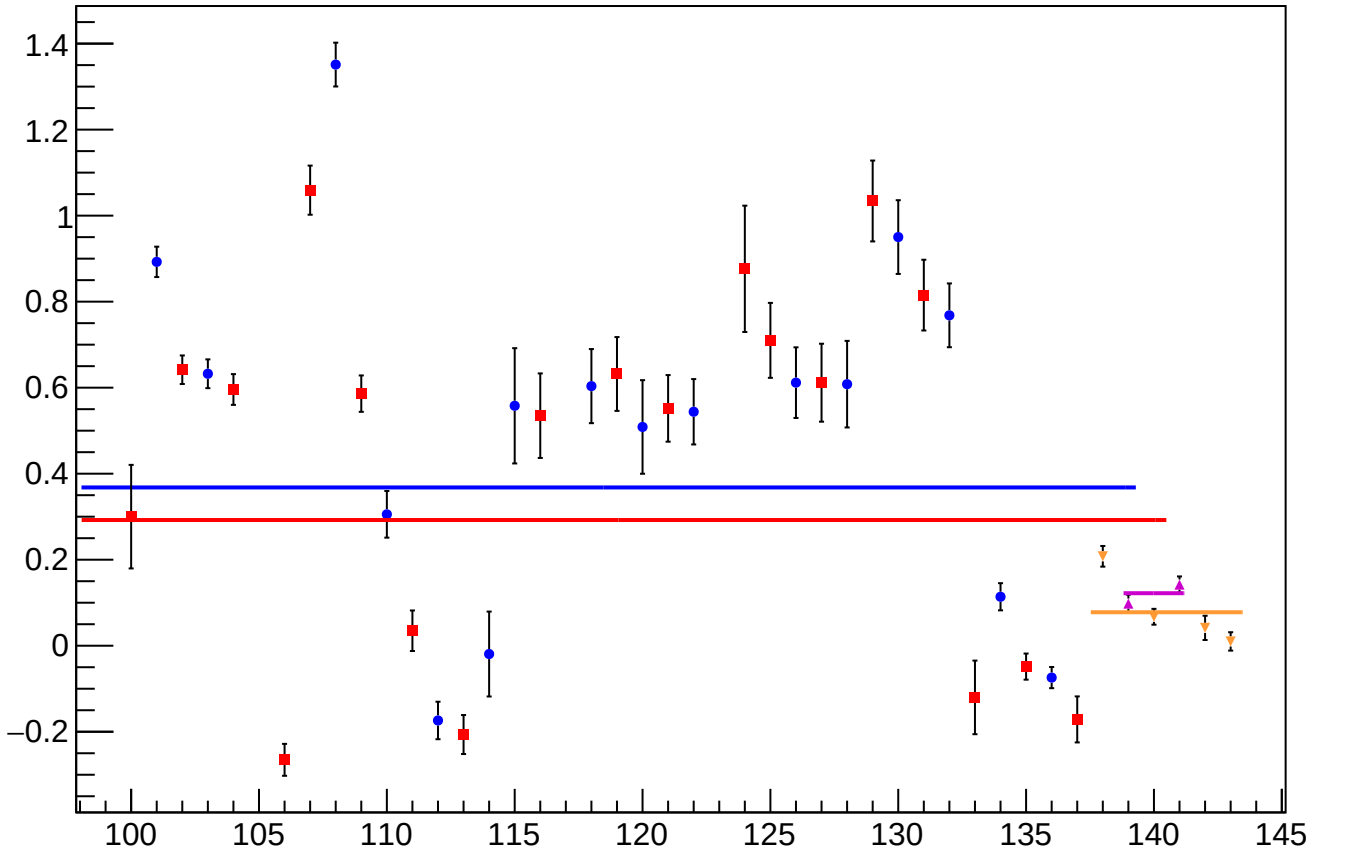
Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -32.822+/-0.363 χ^2/NDF:233.0/1

+ sign -38.193+/-0.165 χ^2/NDF: 4584.6/19

All: -38.955+/-0.125 χ^2/NDF: 7870.1/40

- sign -40.009+/-0.194 χ^2/NDF: 3234.5/20



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.078+/-0.011 χ^2/NDF:41.3/3

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

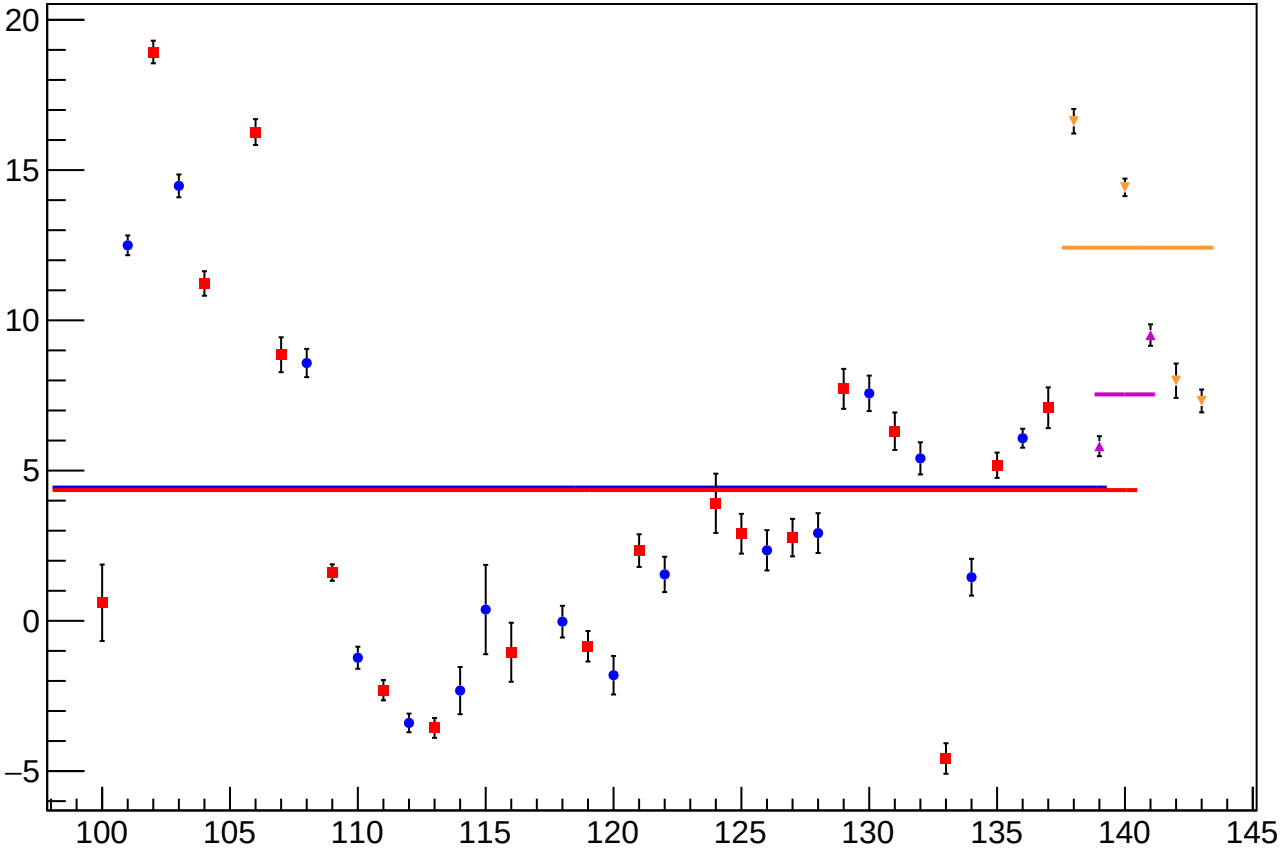
Left In: 0.122+/-0.014 χ^2/NDF:2.5/1

+ sign 0.209+/-0.008 χ^2/NDF: 1672.0/19

All: 0.214+/-0.006 χ^2/NDF: 2958.9/40

- sign 0.220+/-0.009 χ^2/NDF: 1286.2/20

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: 12.418+/-0.190 χ^2/NDF:393.2/3

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

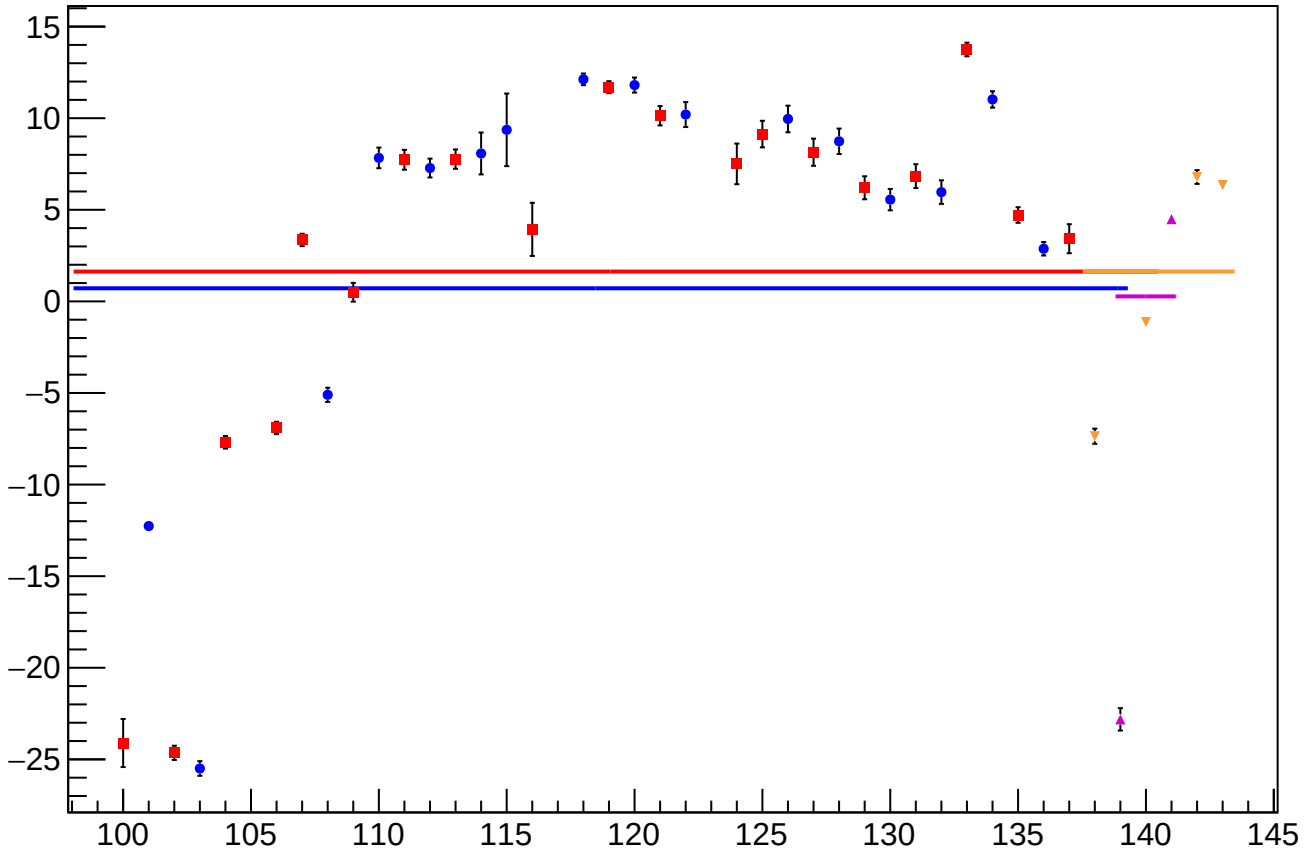
Left In: 7.536+/-0.244 χ^2/NDF:57.4/1

+ sign 6.630+/-0.100 χ^2/NDF: 4296.3/19

All: 5.756+/-0.070 χ^2/NDF: 8855.2/40

- sign 4.883+/-0.100 χ^2/NDF: 4405.0/20

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: 1.631+/-0.153 χ^2/NDF:1080.8/3

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

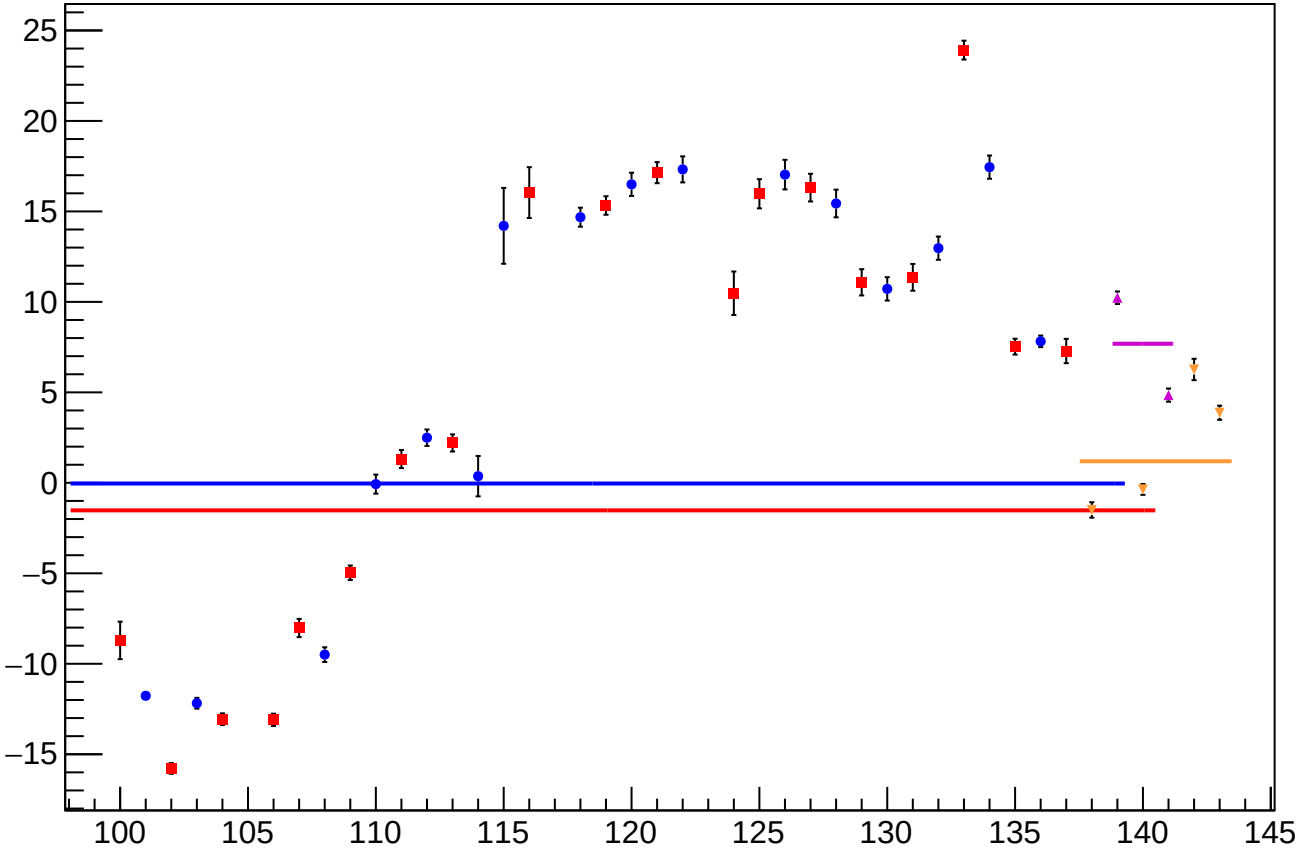
Left In: 0.272+/-0.240 χ^2/NDF:1684.1/1

+ sign 1.049+/-0.092 χ^2/NDF: 11557.6/19

All: 1.204+/-0.068 χ^2/NDF: 22529.5/40

- sign 1.389+/-0.101 χ^2/NDF: 10965.8/20

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 1.193+/-0.196 χ^2/NDF:187.6/3

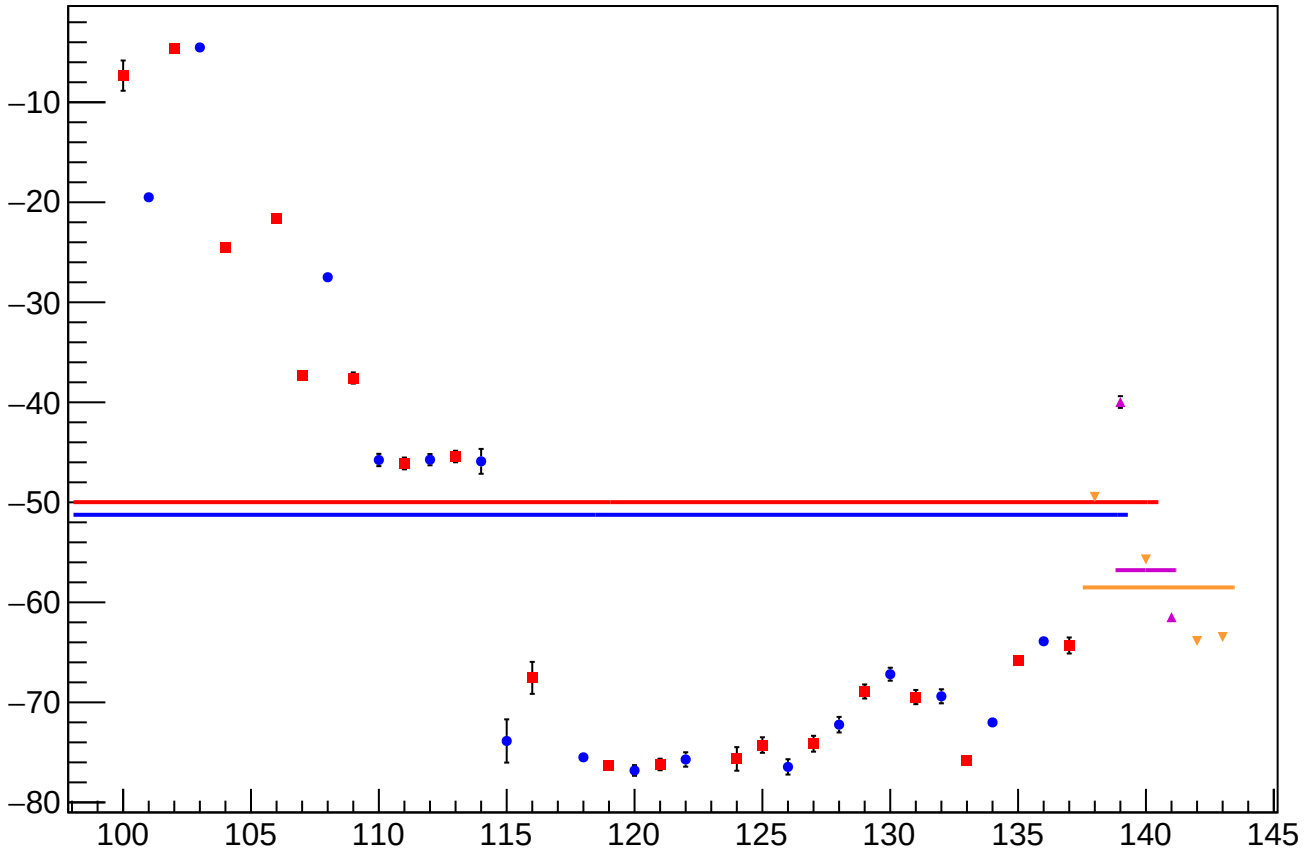
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 7.687+/-0.252 χ^2/NDF:114.0/1

+ sign 0.295+/-0.102 χ^2/NDF: 9490.8/19

All: 0.186+/-0.073 χ^2/NDF: 22844.6/40

- sign 0.072+/-0.105 χ^2/NDF: 13351.5/20



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.507+/-0.181 χ^2/NDF:835.4/3

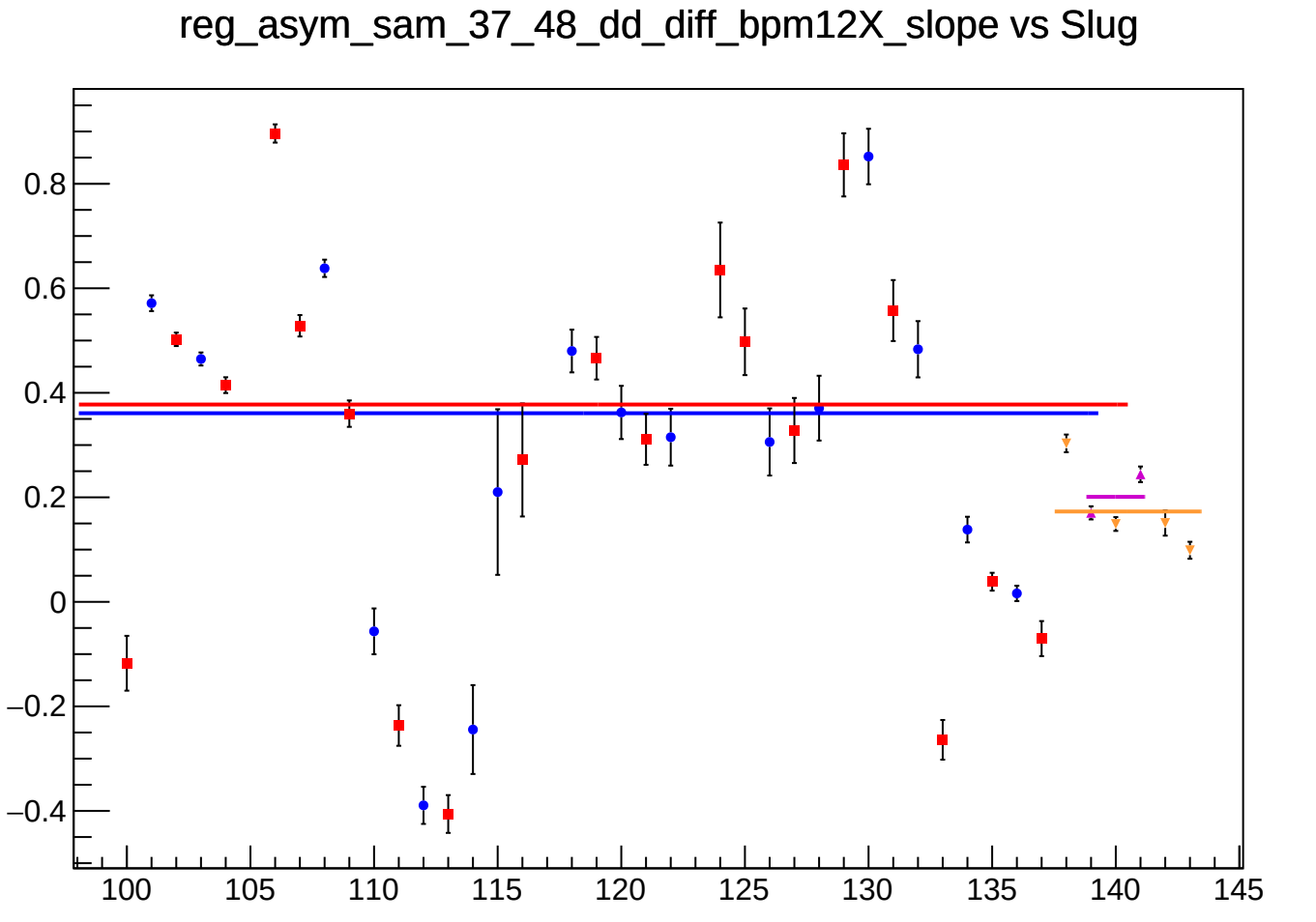
Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.782+/-0.275 χ^2/NDF:1047.1/1

+ sign -53.858+/-0.109 χ^2/NDF: 35629.8/19

All: -52.656+/-0.080 χ^2/NDF: 71335.9/40

- sign -51.238+/-0.118 χ^2/NDF: 35439.3/20



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.173+/-0.008 χ^2/NDF:84.5/3

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

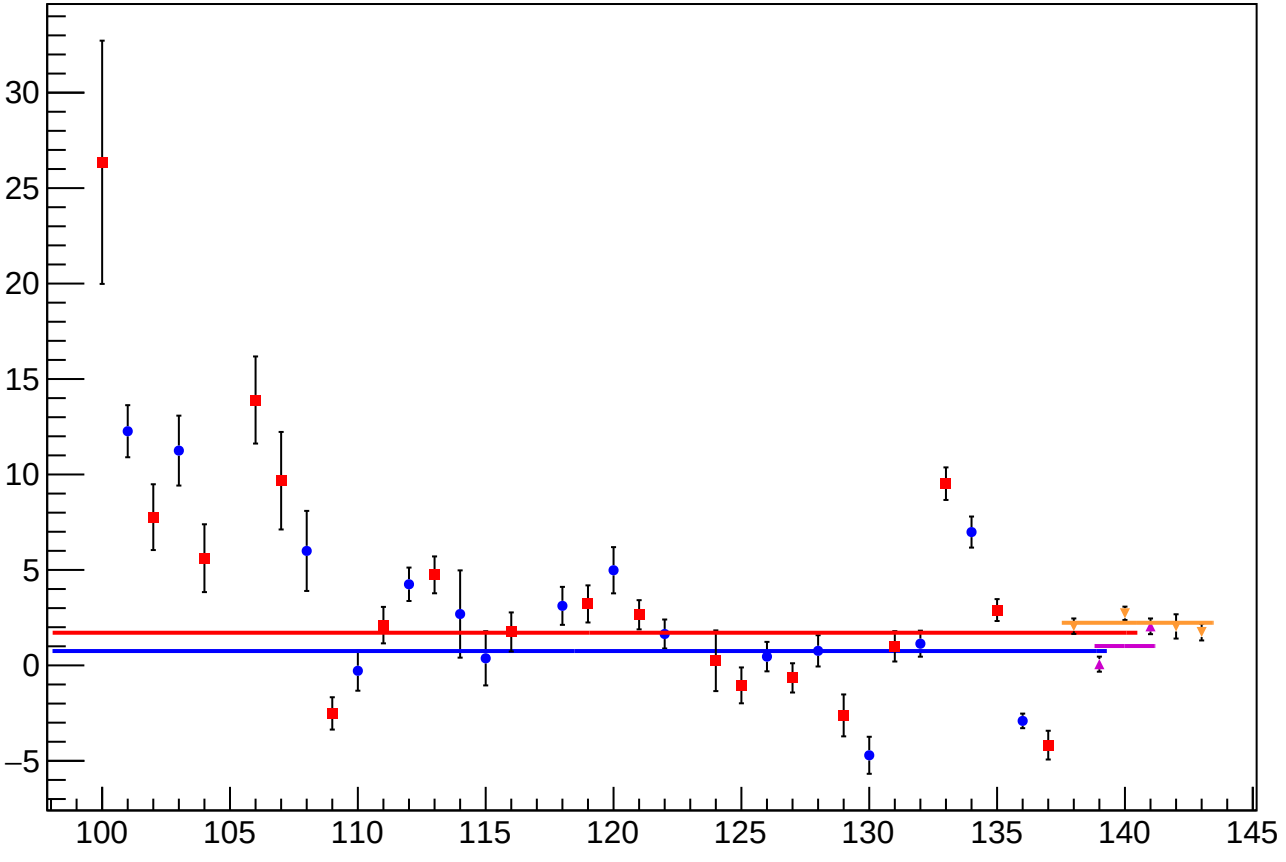
Left In: 0.201+/-0.010 χ^2/NDF:14.3/1

+ sign 0.291+/-0.005 χ^2/NDF: 2270.9/19

All: 0.308+/-0.004 χ^2/NDF: 5340.8/40

- sign 0.327+/-0.005 χ^2/NDF: 3044.8/20

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: 2.232+/-0.214 χ^2/NDF:3.5/3

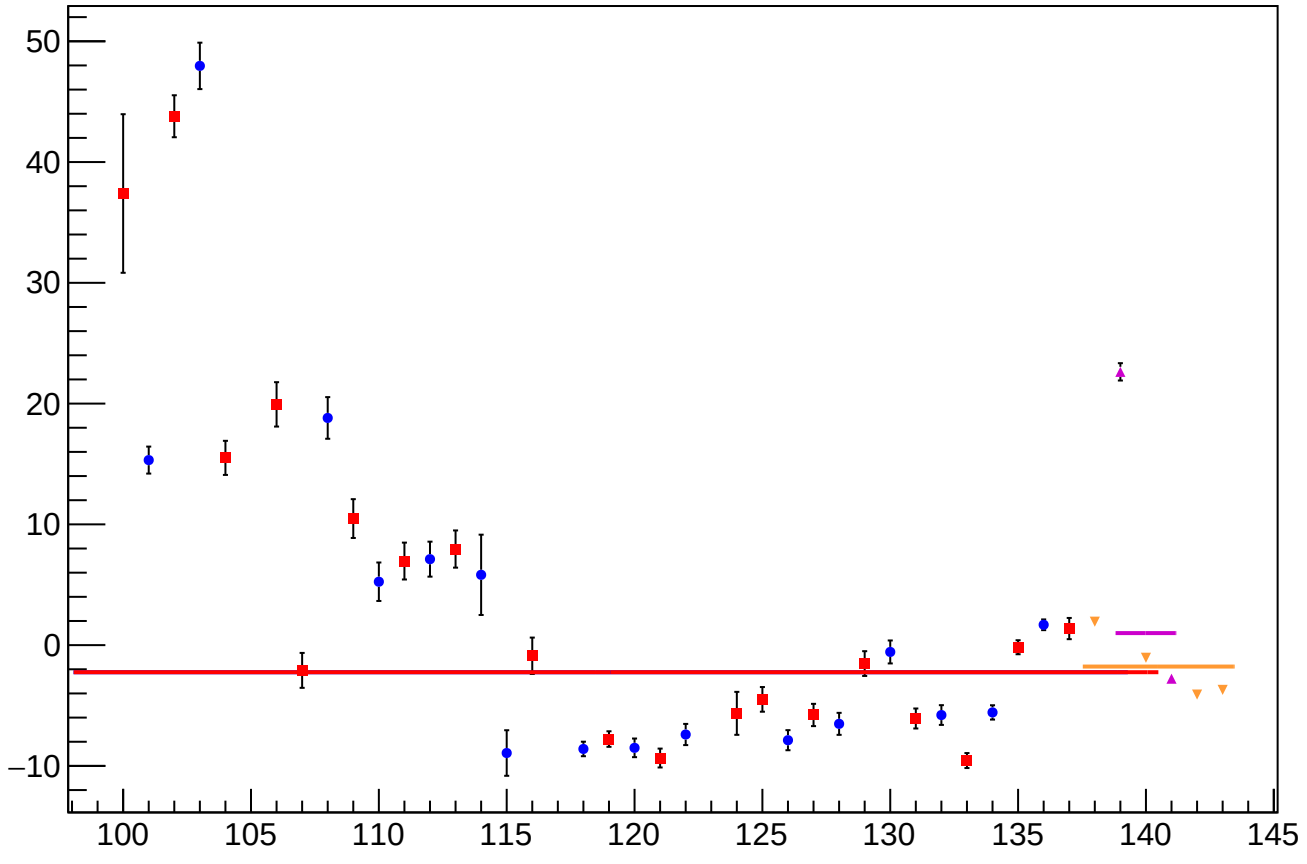
Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.014+/-0.285 χ^2/NDF:12.1/1

+ sign 1.487+/-0.151 χ^2/NDF: 357.7/19

All: 1.469+/-0.114 χ^2/NDF: 667.4/40

- sign 1.446+/-0.175 χ^2/NDF: 309.7/20



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -1.774+/-0.172 χ^2/NDF:162.0/3

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

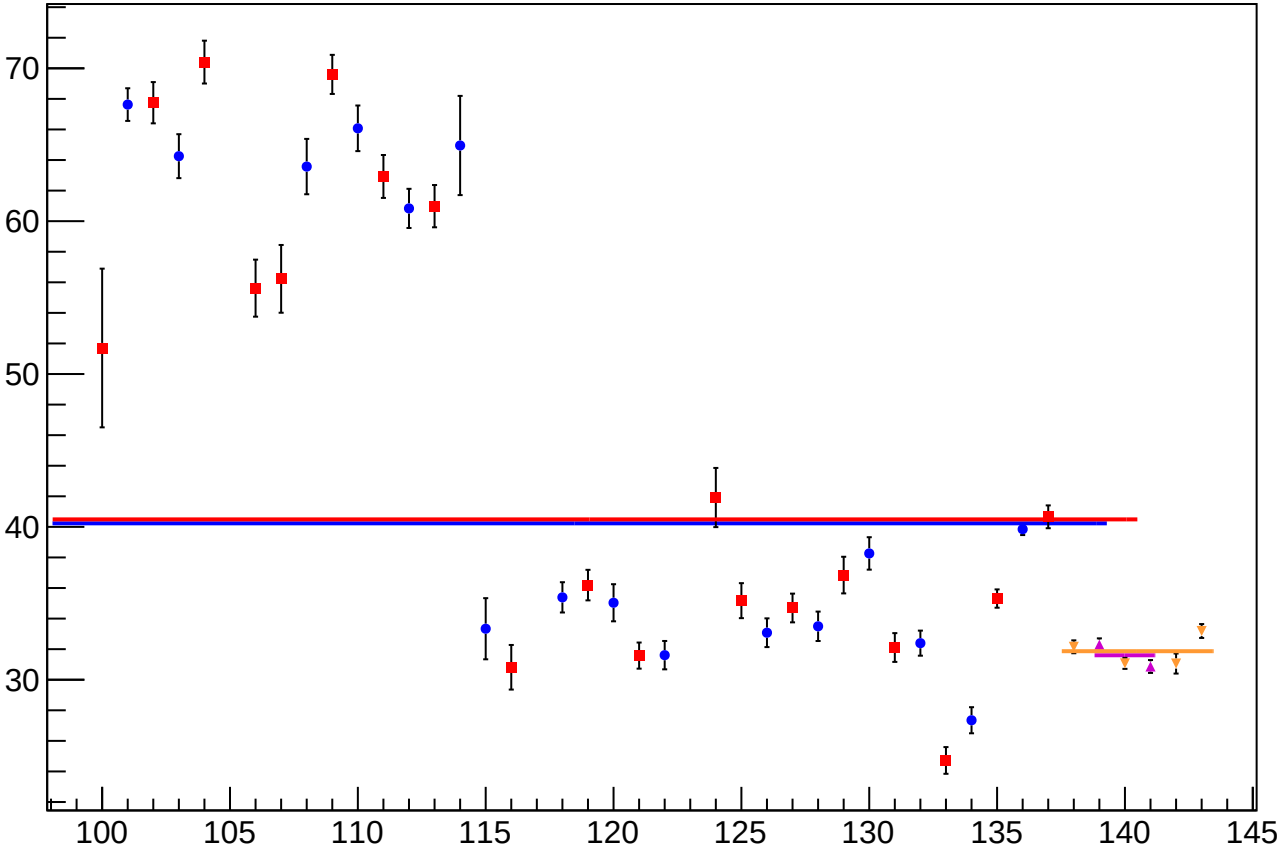
Left In: 0.997+/-0.277 χ^2/NDF:1066.1/1

\+ sign -1.958+/-0.134 χ^2/NDF: 1737.5/19

All: -1.579+/-0.107 χ^2/NDF: 4462.2/40

\- sign -0.926+/-0.176 χ^2/NDF: 2703.1/20

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: 31.867+/-0.221 χ^2/NDF:15.3/3

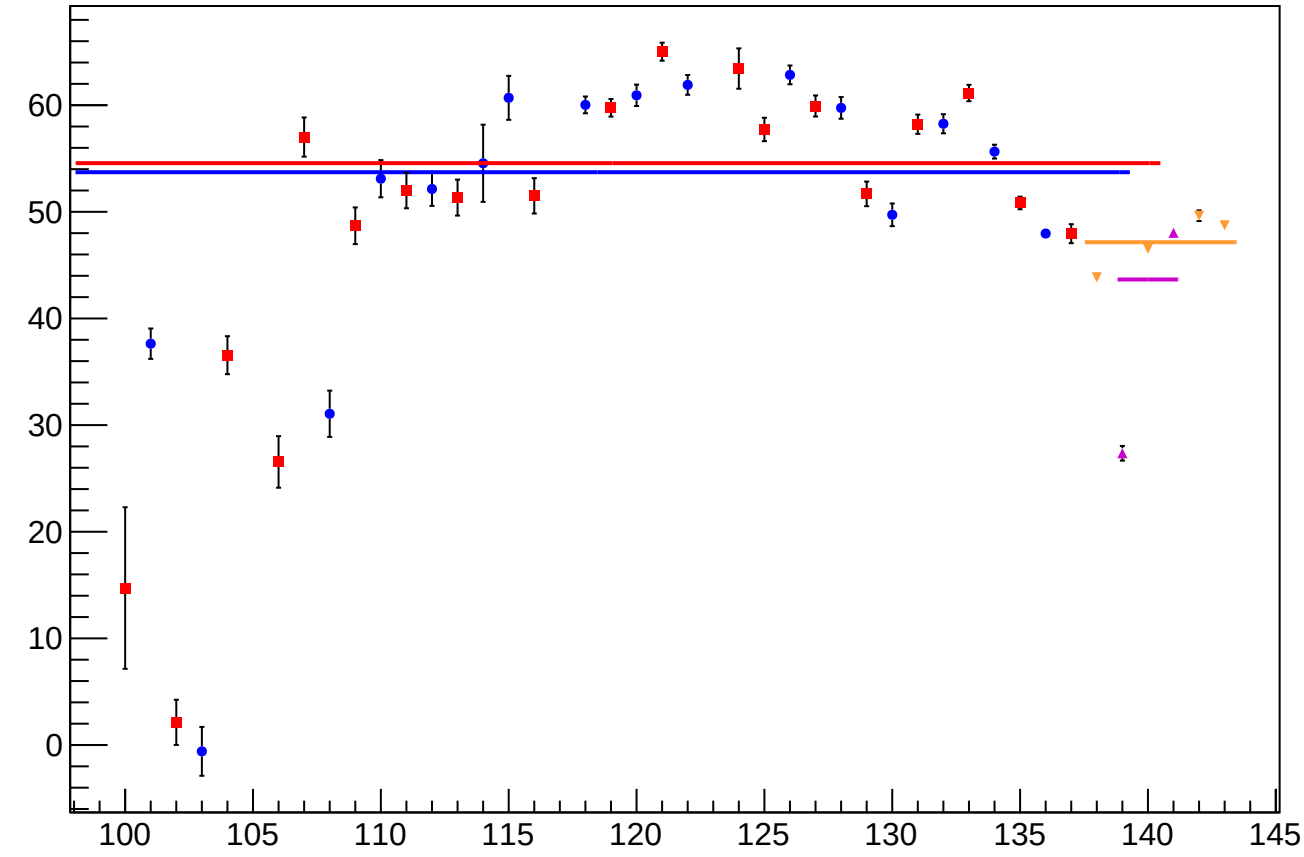
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 31.601+/-0.294 χ^2/NDF:5.9/1

+ sign 35.854+/-0.160 χ^2/NDF: 2990.1/19

All: 36.226+/-0.122 χ^2/NDF: 6236.4/40

- sign 36.756+/-0.191 χ^2/NDF: 3233.1/20



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 47.151+/-0.204 χ^2/NDF:98.3/3

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

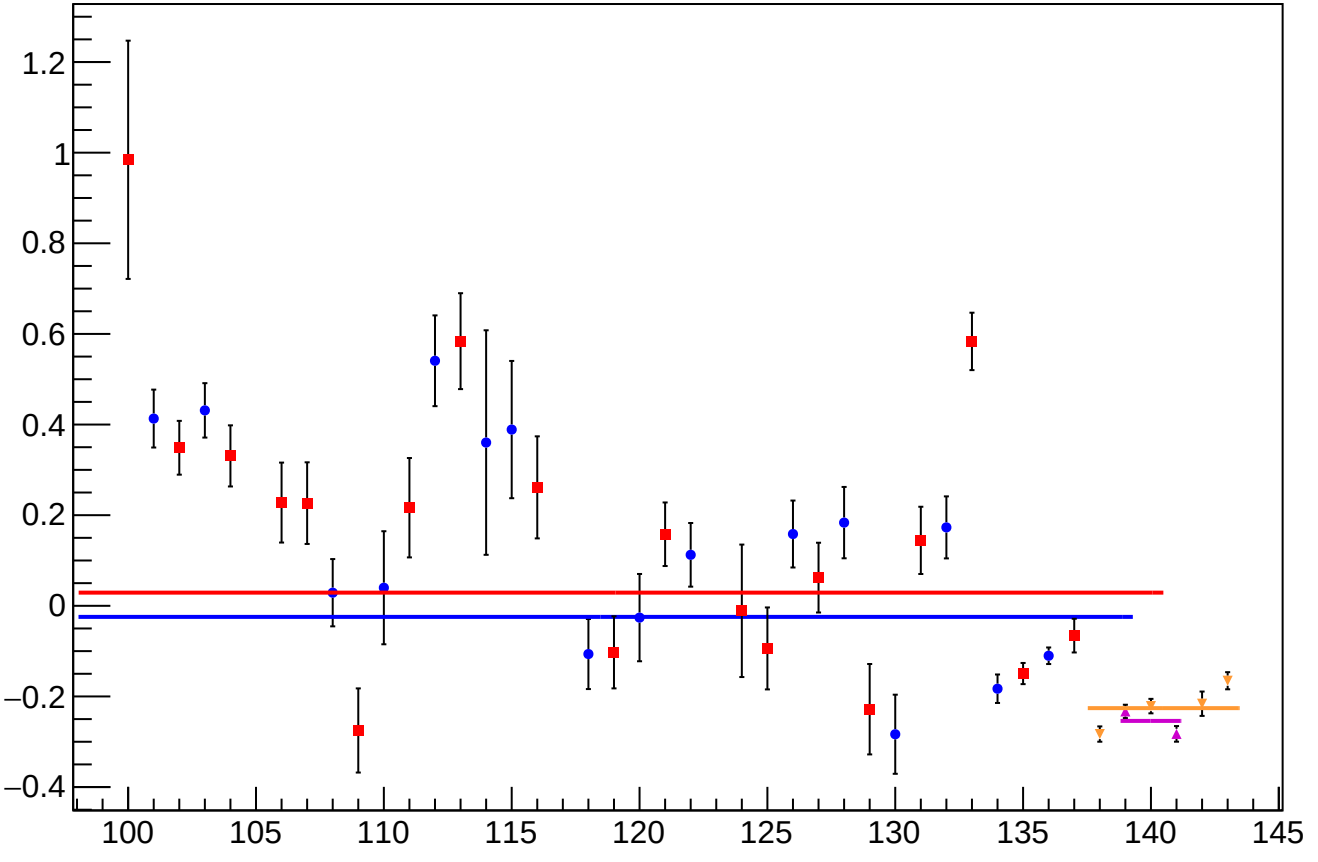
Left In: 43.655+/-0.317 χ^2/NDF:709.5/1

+ sign 49.917+/-0.155 χ^2/NDF: 1897.4/19

All: 50.046+/-0.122 χ^2/NDF: 4667.5/40

- sign 50.259+/-0.199 χ^2/NDF: 2768.2/20

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: -0.226+/-0.009 χ^2/NDF:21.9/3

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

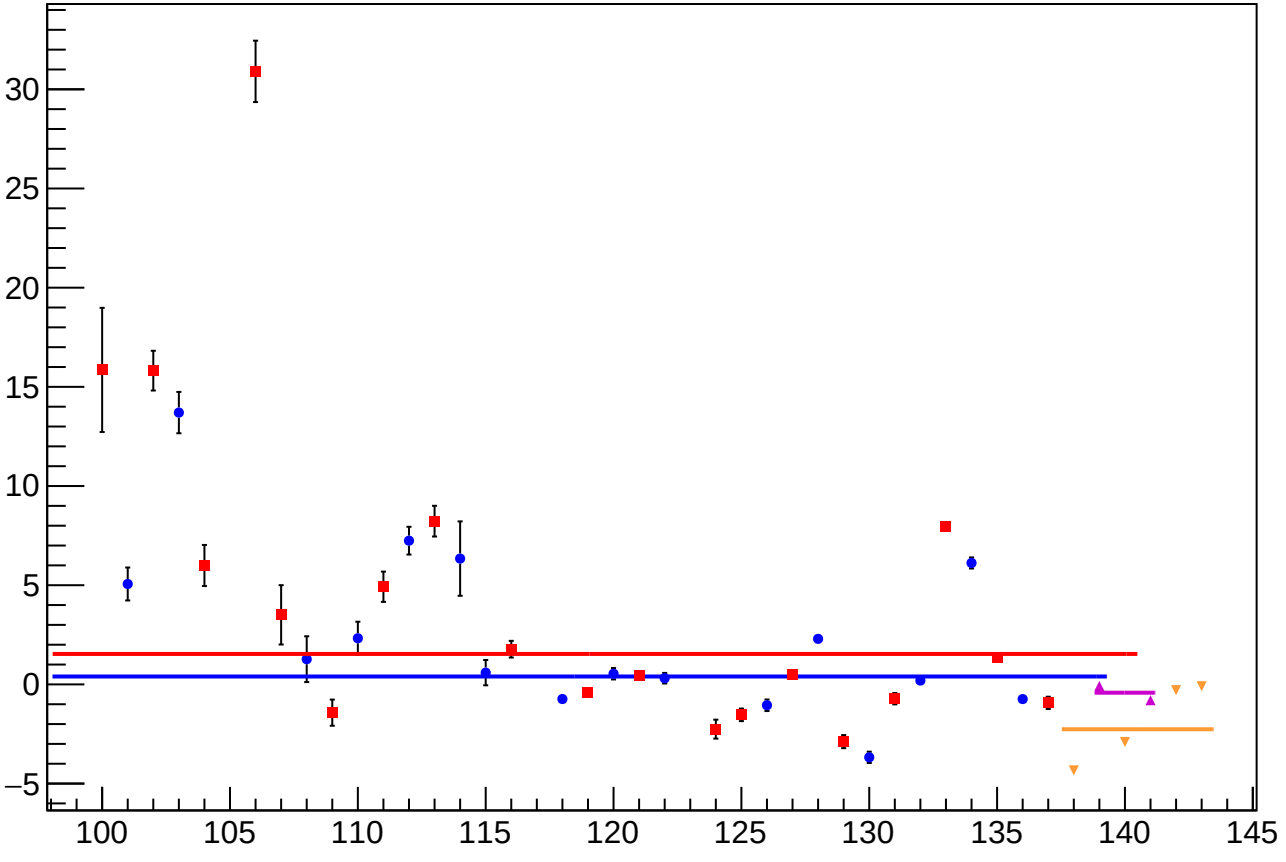
Left In: -0.254+/-0.011 χ^2/NDF:4.8/1

+ sign -0.156+/-0.008 χ^2/NDF: 413.7/19

All: -0.152+/-0.006 χ^2/NDF: 939.5/40

- sign -0.146+/-0.009 χ^2/NDF: 524.9/20

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: -2.261+/-0.080 χ^2/NDF:416.4/3

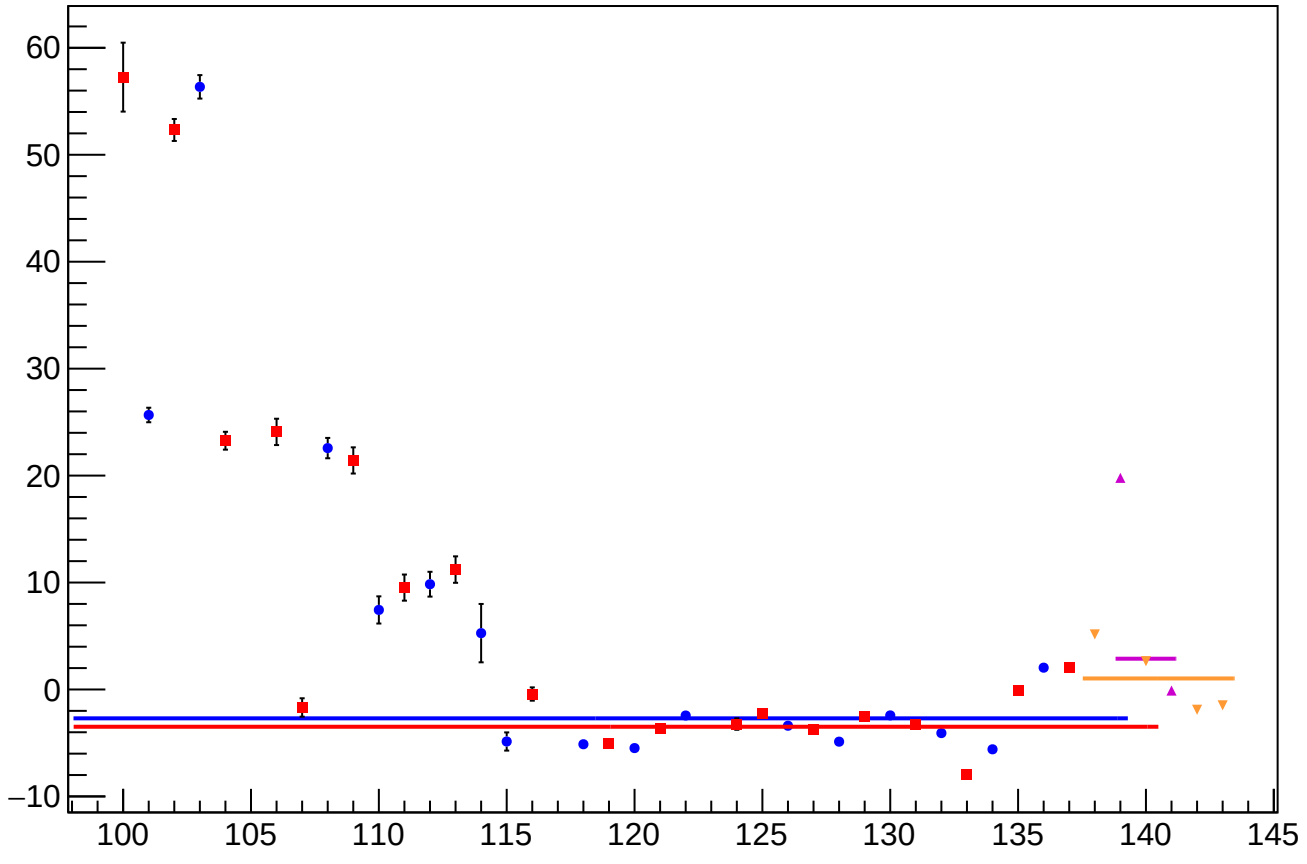
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.419+/-0.100 χ^2/NDF:12.8/1

+ sign -0.884+/-0.055 χ^2/NDF: 2087.7/19

All: -0.132+/-0.041 χ^2/NDF: 5158.4/40

- sign 0.796+/-0.062 χ^2/NDF: 2660.4/20



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: 1.030+/-0.064 χ^2/NDF:1627.3/3

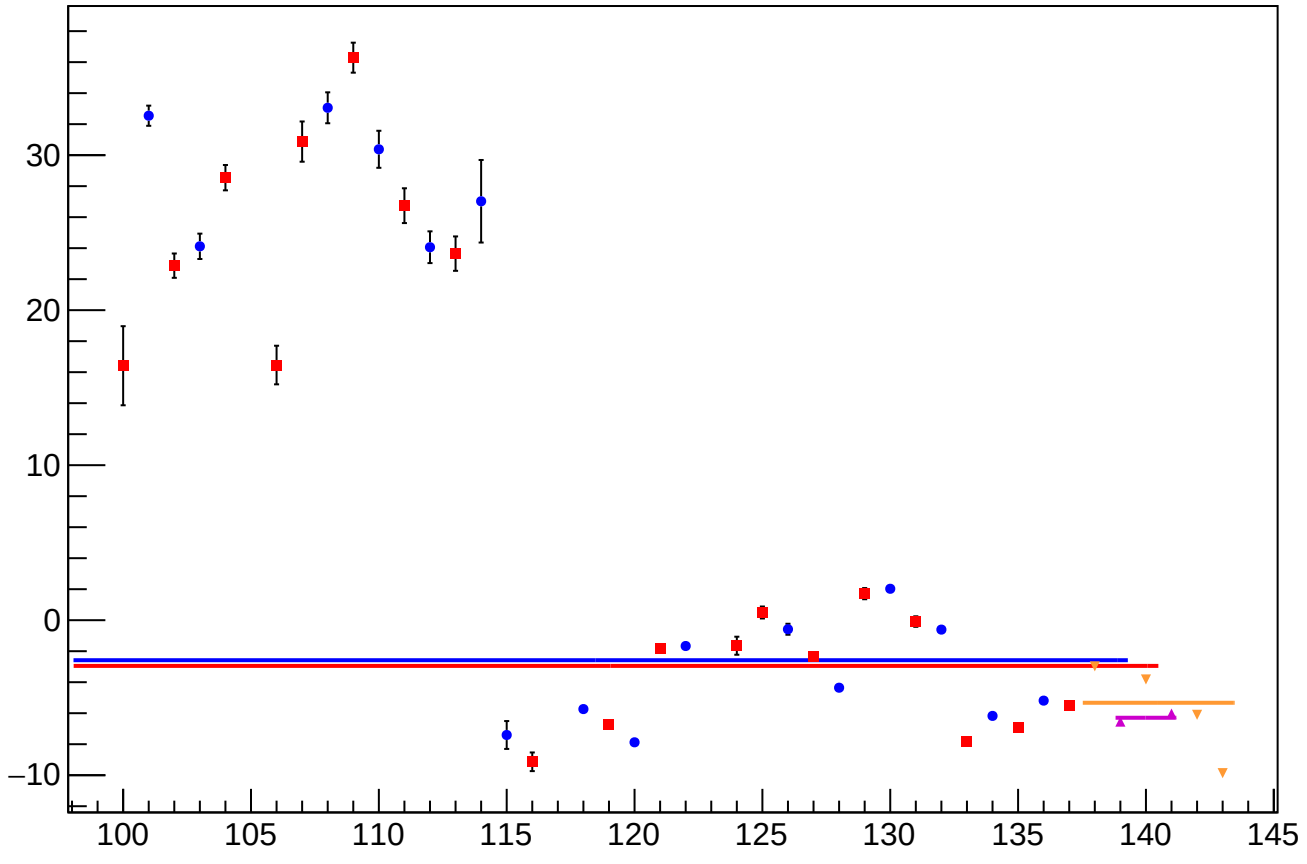
Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: 2.877+/-0.098 χ^2/NDF:5200.1/1

+ sign -0.655+/-0.048 χ^2/NDF: 10255.0/19

All: -0.922+/-0.037 χ^2/NDF: 25445.8/40

- sign -1.314+/-0.058 χ^2/NDF: 15112.7/20



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.327+/-0.082 χ^2/NDF:1042.1/3

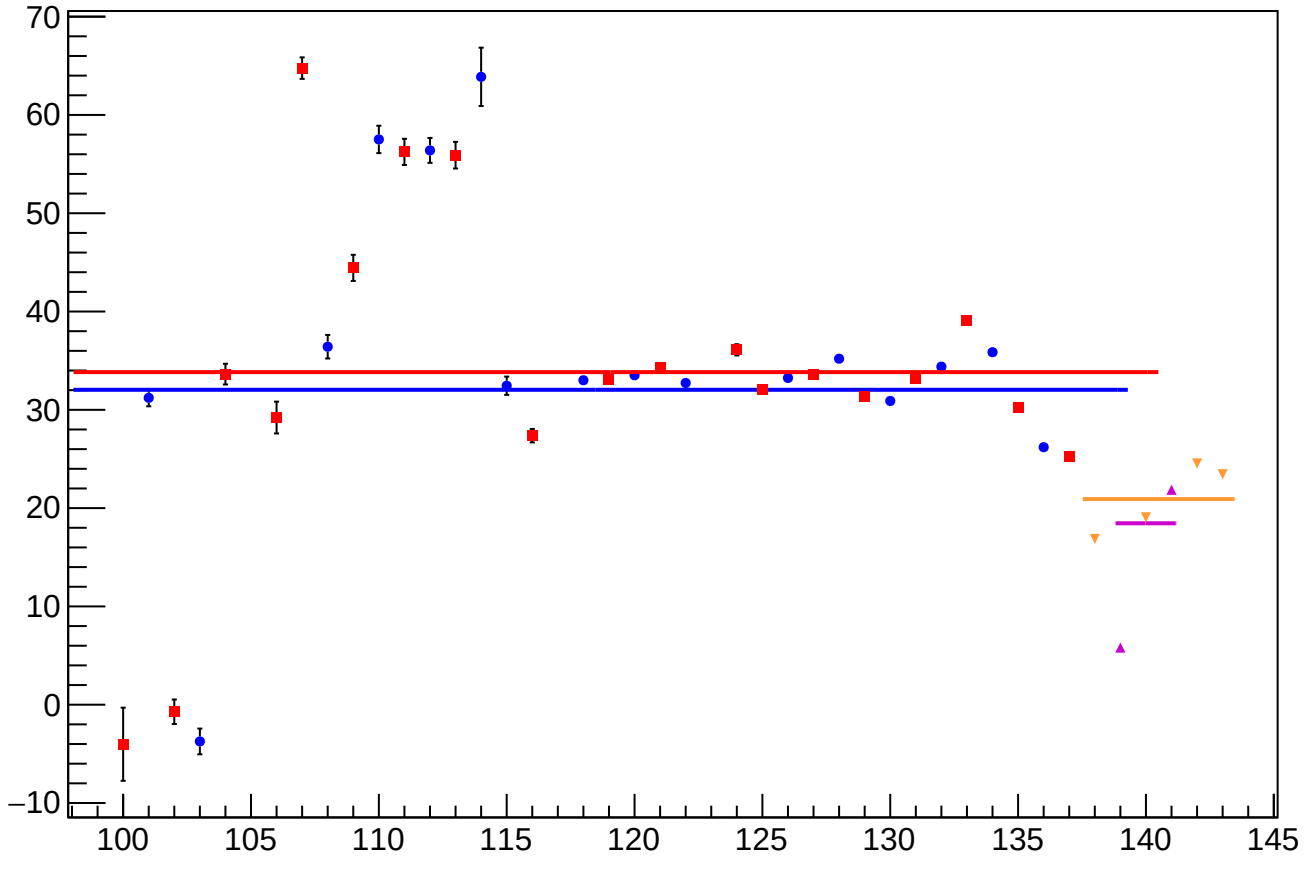
Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.294+/-0.103 χ^2/NDF:6.3/1

+ sign -3.965+/-0.059 χ^2/NDF: 9751.7/19

All: -4.111+/-0.044 χ^2/NDF: 18592.9/40

- sign -4.295+/-0.066 χ^2/NDF: 8827.1/20



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.923+/-0.076 χ^2/NDF:1363.8/3

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

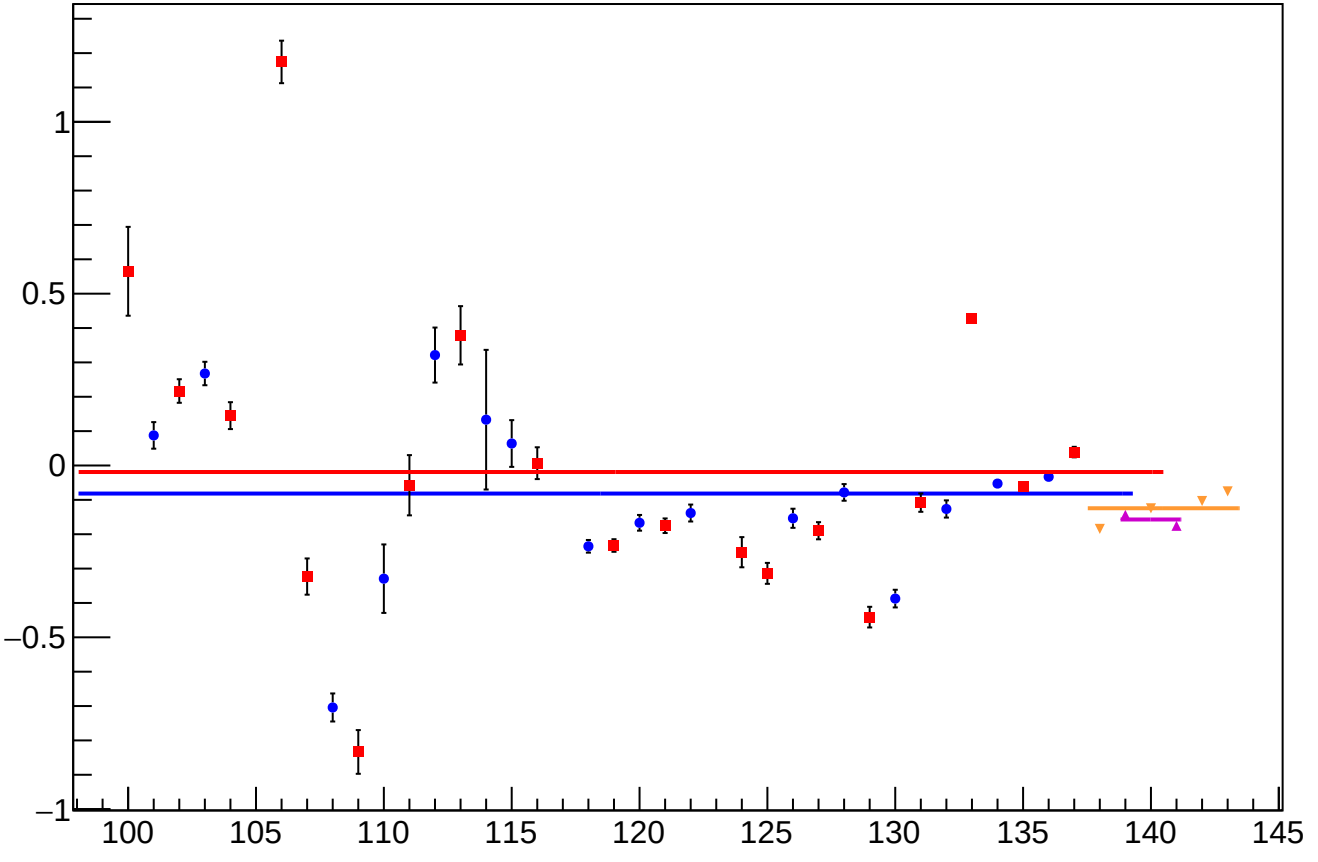
Left In: 18.457+/-0.113 χ^2/NDF:3398.6/1

+ sign 26.119+/-0.056 χ^2/NDF: 14575.4/19

All: 27.123+/-0.043 χ^2/NDF: 35224.7/40

- sign 28.541+/-0.066 χ^2/NDF: 19862.5/20

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: -0.124+/-0.003 χ^2/NDF:124.1/3

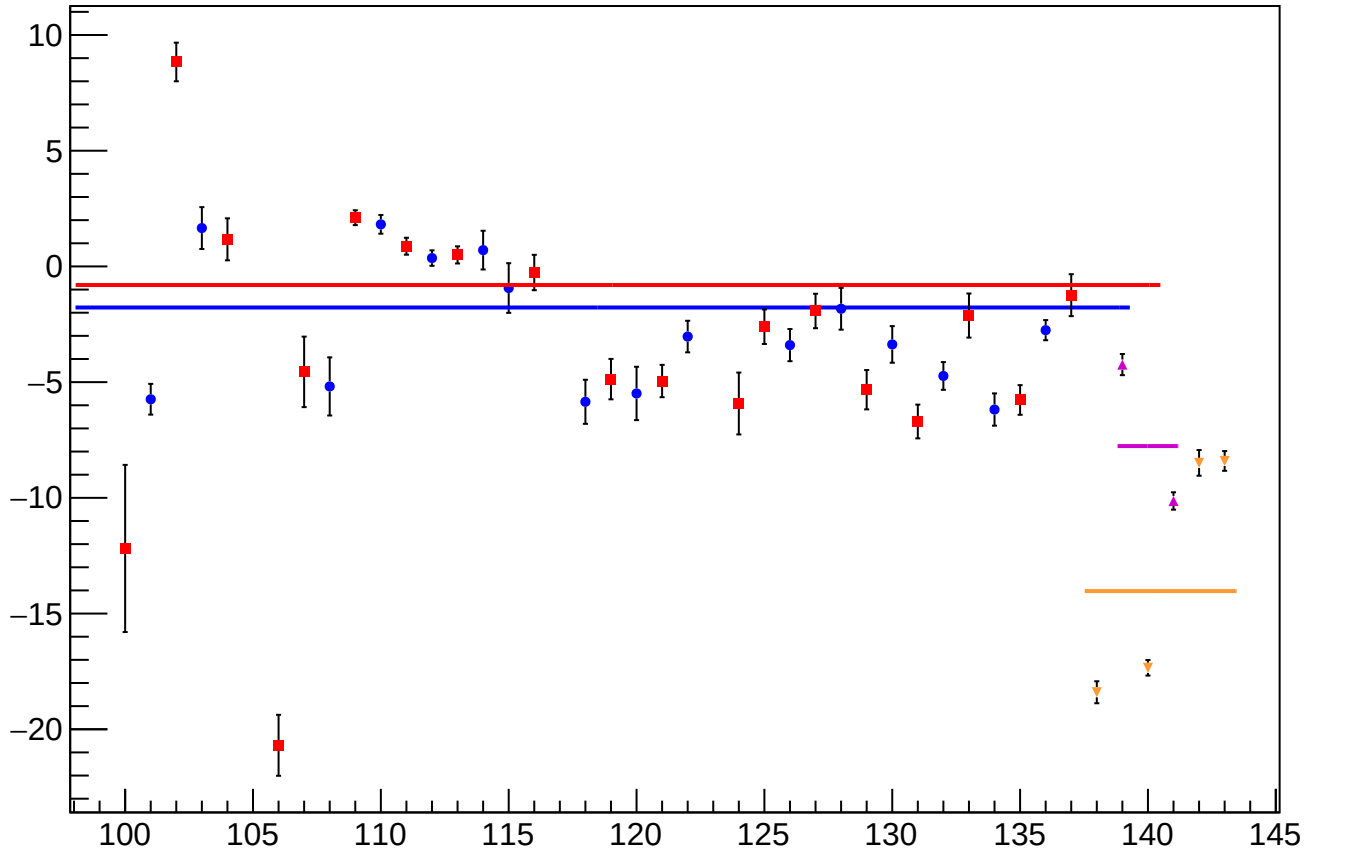
Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.157+/-0.004 χ^2/NDF:15.6/1

+ sign -0.110+/-0.003 χ^2/NDF: 865.0/19

All: -0.108+/-0.002 χ^2/NDF: 3600.8/40

- sign -0.106+/-0.003 χ^2/NDF: 2735.0/20



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -14.029+/-0.213 χ^2/NDF:455.9/3

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

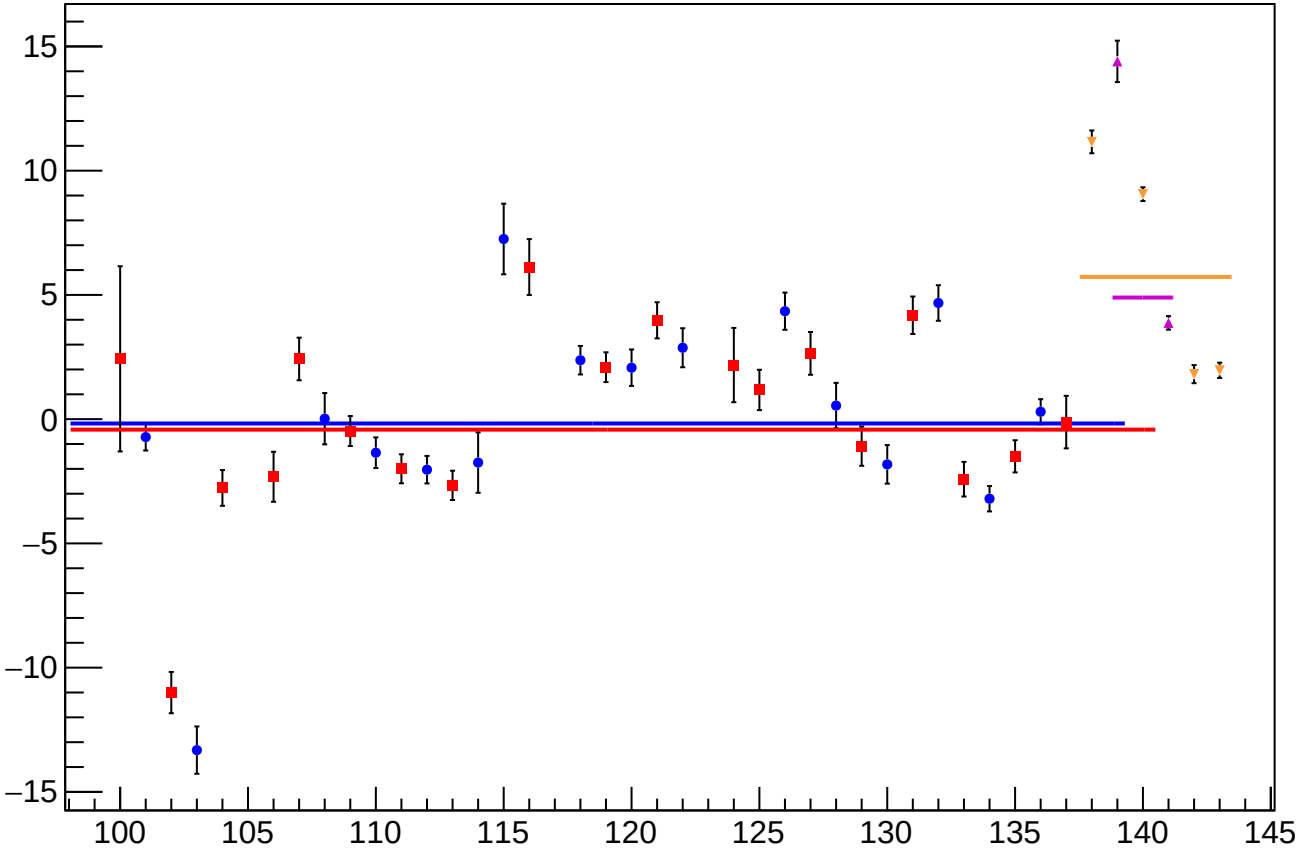
Left In: -7.763+/-0.290 χ^2/NDF:99.4/1

+ sign -6.097+/-0.126 χ^2/NDF: 2898.8/19

All: -4.256+/-0.091 χ^2/NDF: 4632.3/40

- sign -2.247+/-0.132 χ^2/NDF: 1290.0/20

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 5.725+/-0.167 χ^2/NDF:550.3/3

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

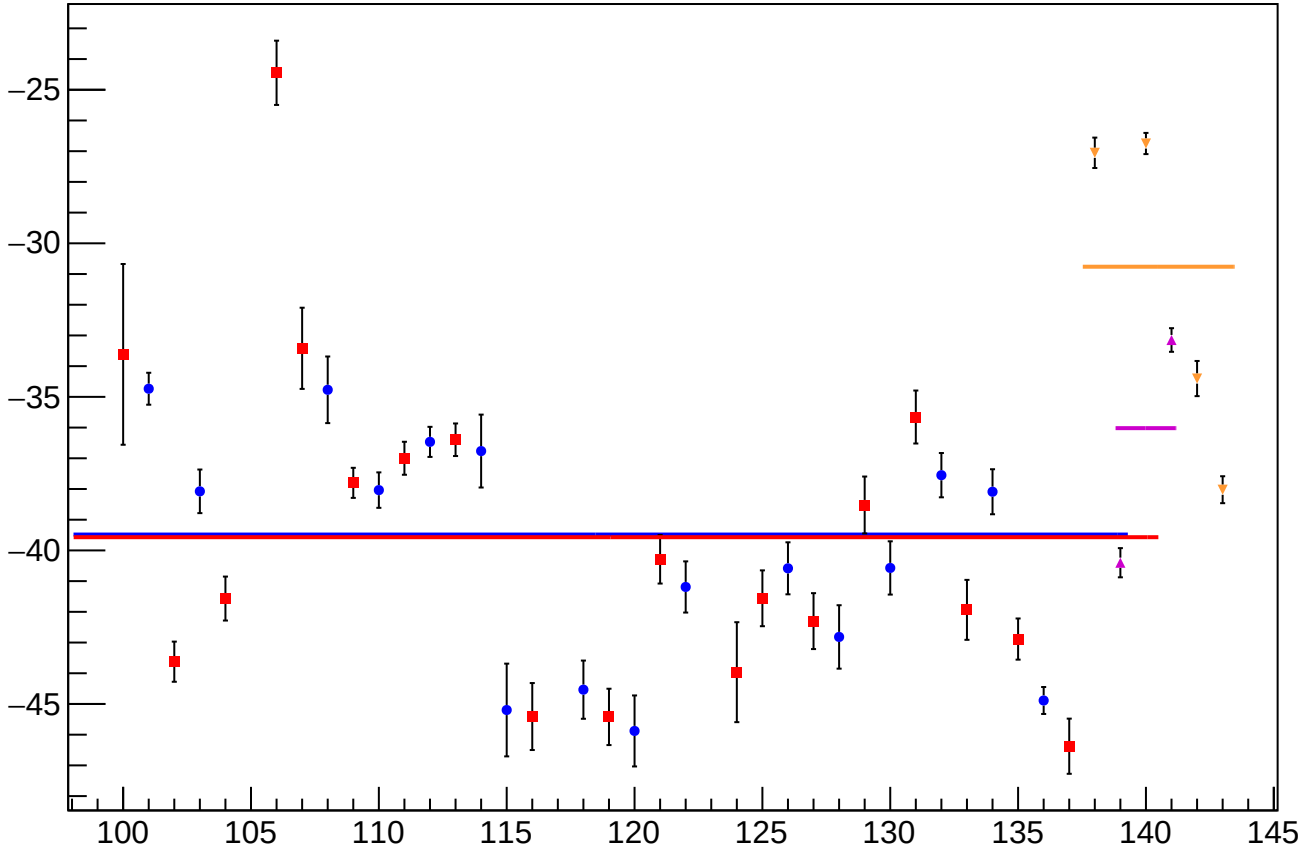
Left In: 4.894+/-0.259 χ^2/NDF:144.0/1

+ sign 2.883+/-0.120 χ^2/NDF: 1555.8/19

All: 2.234+/-0.093 χ^2/NDF: 2425.1/40

- sign 1.271+/-0.146 χ^2/NDF: 796.8/20

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -30.762+/-0.220 χ^2/NDF:506.0/3

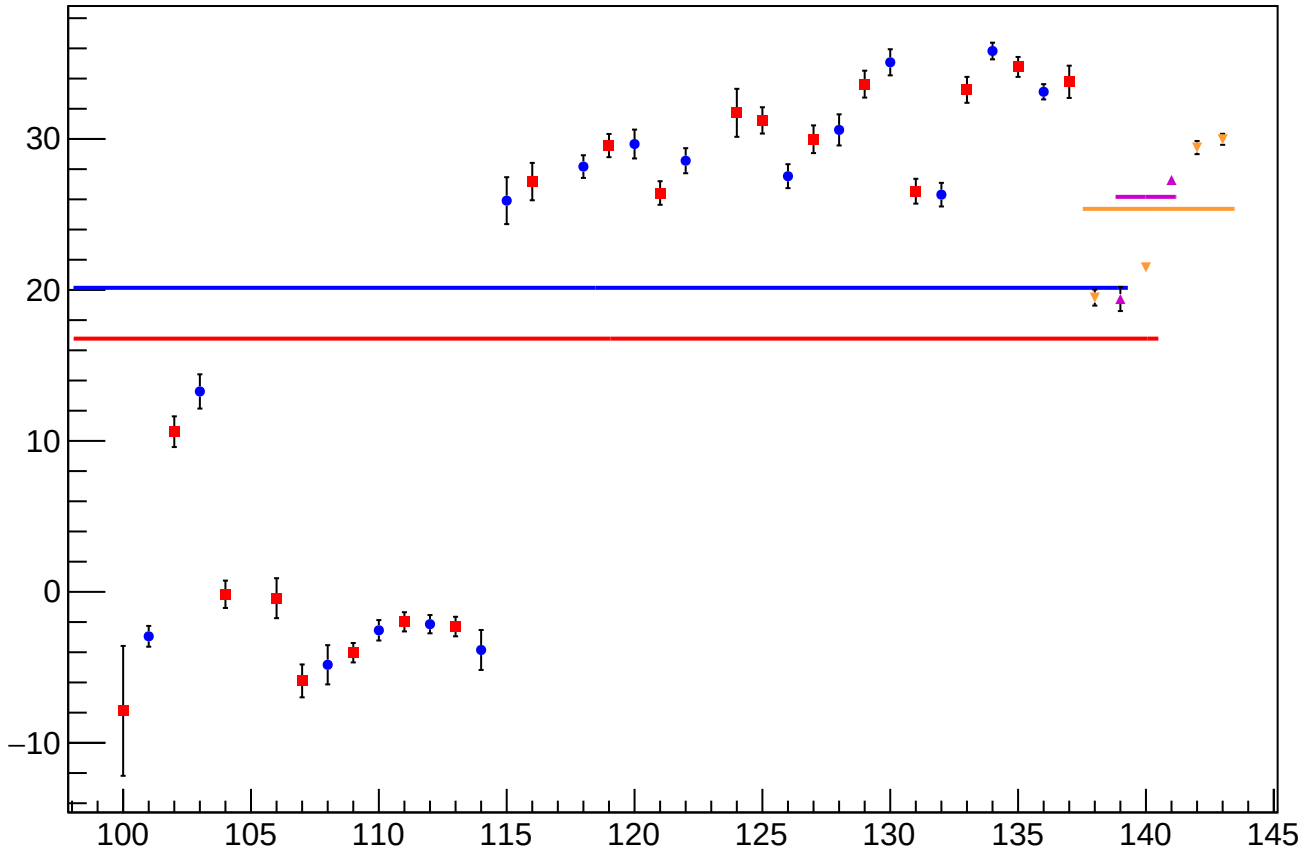
Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -36.019+/-0.299 χ^2/NDF:140.6/1

+ sign -35.974+/-0.139 χ^2/NDF: 1857.8/19

All: -37.157+/-0.104 χ^2/NDF: 2816.3/40

- sign -38.618+/-0.155 χ^2/NDF: 797.4/20



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 25.371+/-0.198 χ^2/NDF:506.4/3

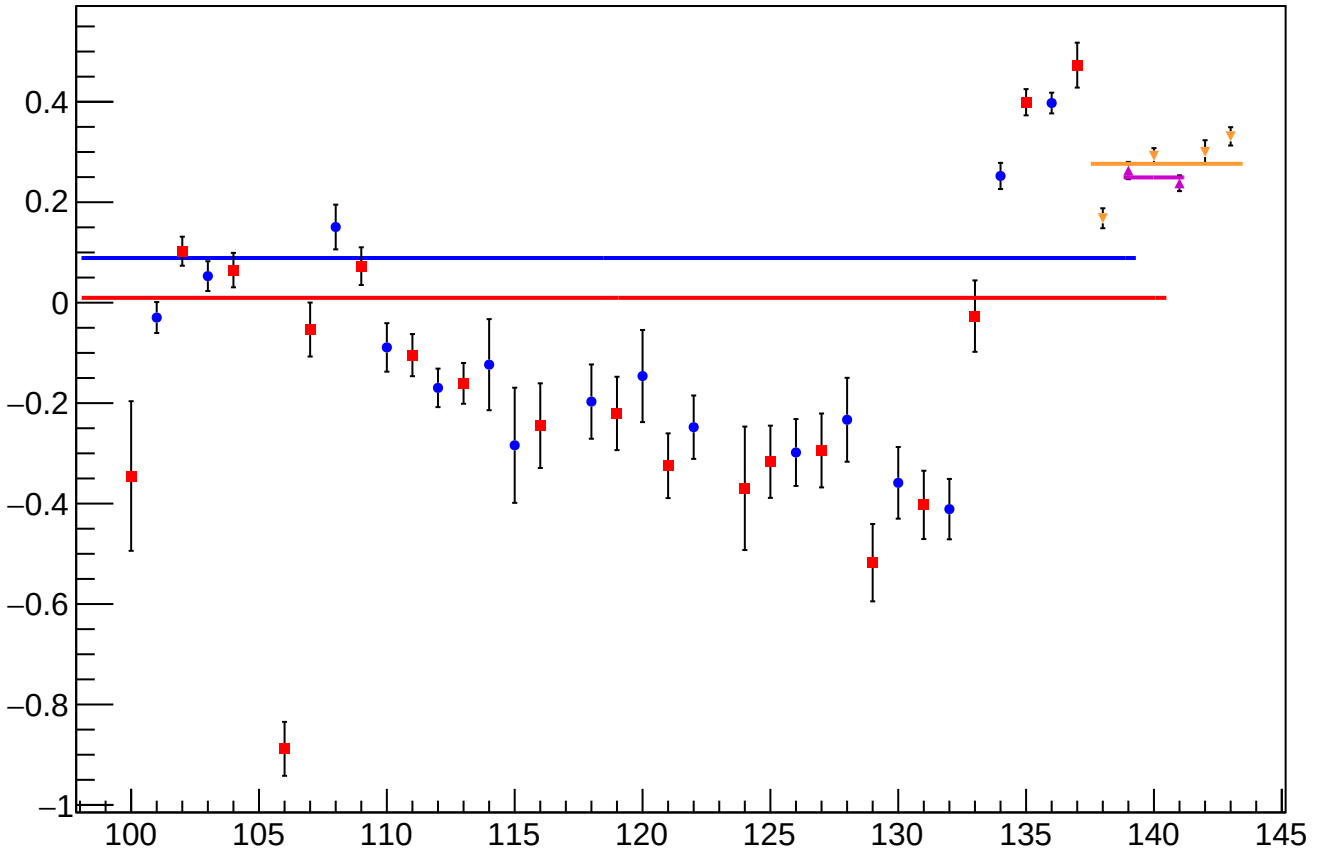
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.166+/-0.301 χ^2/NDF:83.3/1

+ sign 22.706+/-0.139 χ^2/NDF: 7545.1/19

All: 21.448+/-0.107 χ^2/NDF: 15242.4/40

- sign 19.643+/-0.166 χ^2/NDF: 7497.8/20



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.276+/-0.009 χ^2/NDF:40.8/3

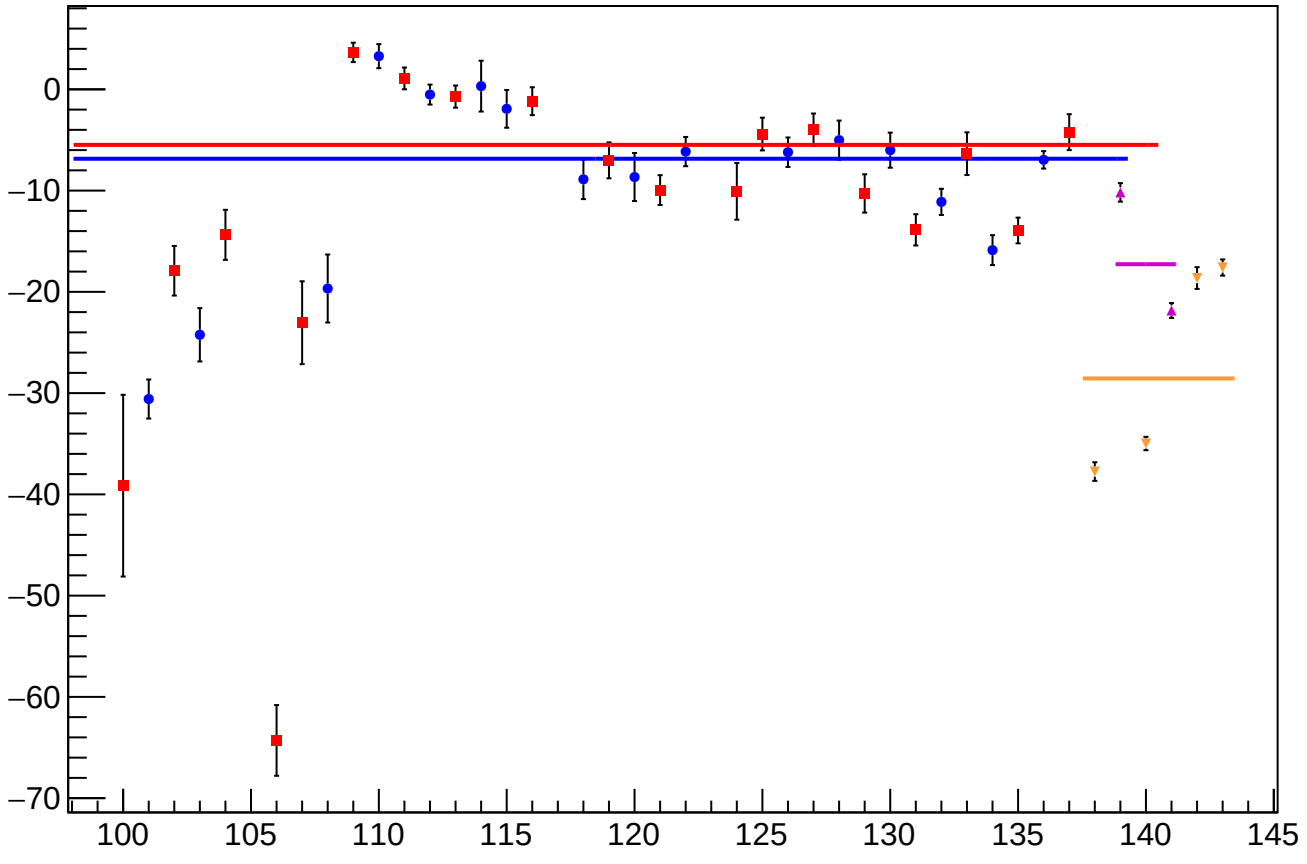
Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.249+/-0.012 χ^2/NDF:1.2/1

+ sign 0.193+/-0.007 χ^2/NDF: 785.6/19

All: 0.163+/-0.005 χ^2/NDF: 1890.2/40

- sign 0.123+/-0.008 χ^2/NDF: 1060.8/20



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -28.550+/-0.412 χ^2/NDF:466.5/3

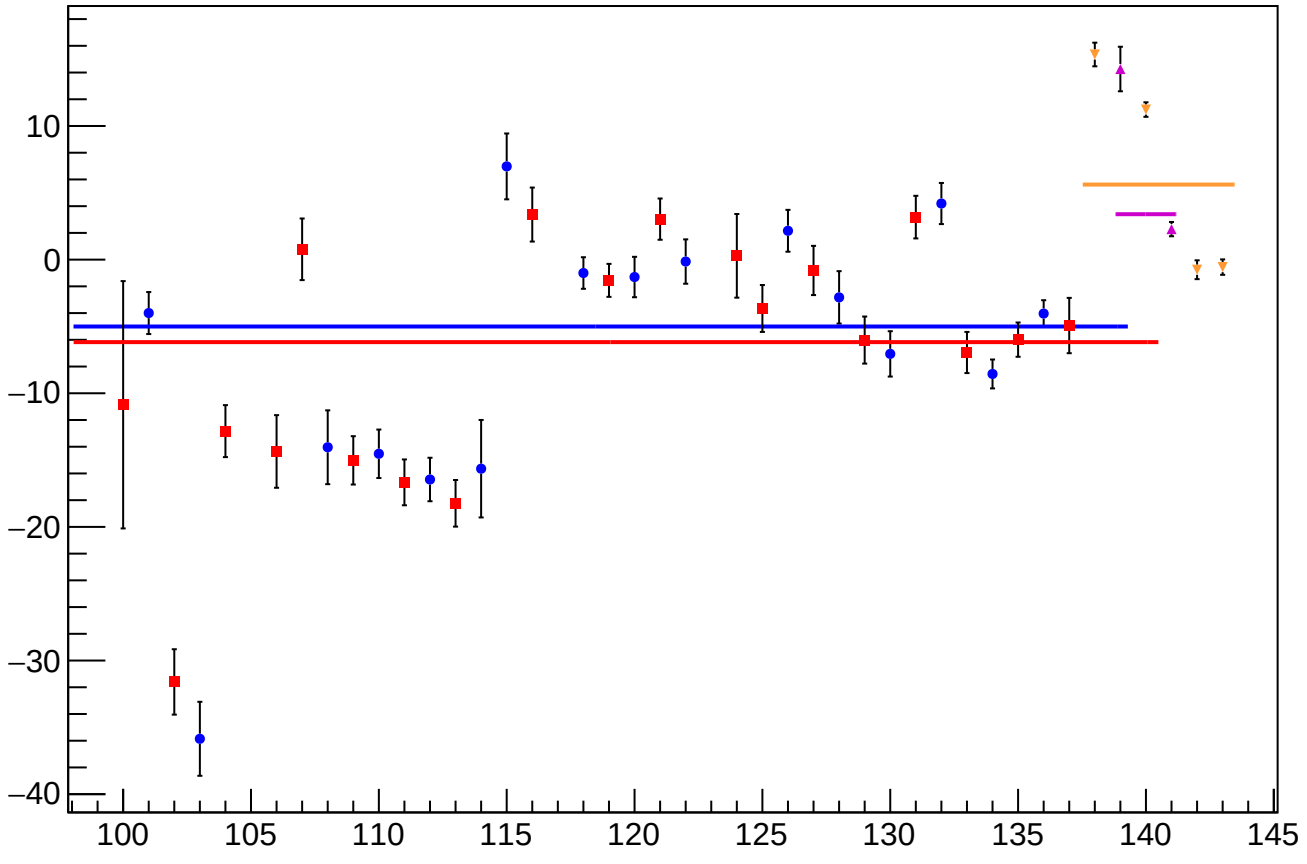
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -17.271+/-0.573 χ^2/NDF:98.7/1

+ sign -16.705+/-0.278 χ^2/NDF: 2371.7/19

All: -13.252+/-0.207 χ^2/NDF: 3724.3/40

- sign -8.938+/-0.310 χ^2/NDF: 1004.4/20



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 5.617+/-0.322 χ^2/NDF:423.6/3

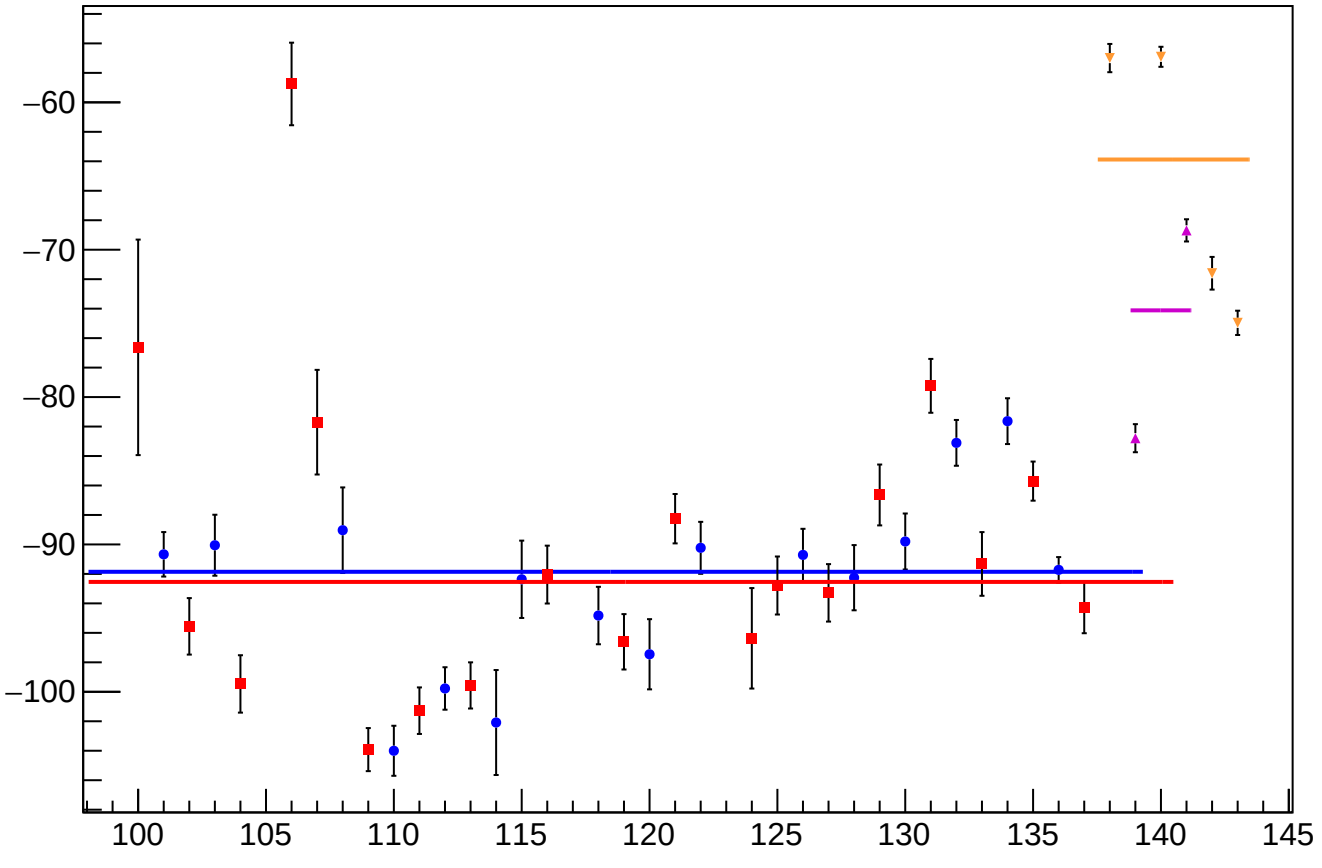
Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 3.399+/-0.509 χ^2/NDF:46.9/1

+ sign 1.387+/-0.249 χ^2/NDF: 1199.8/19

All: -0.006+/-0.197 χ^2/NDF: 1910.9/40

- sign -2.330+/-0.322 χ^2/NDF: 628.0/20



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -63.879+/-0.425 χ^2/NDF:386.1/3

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

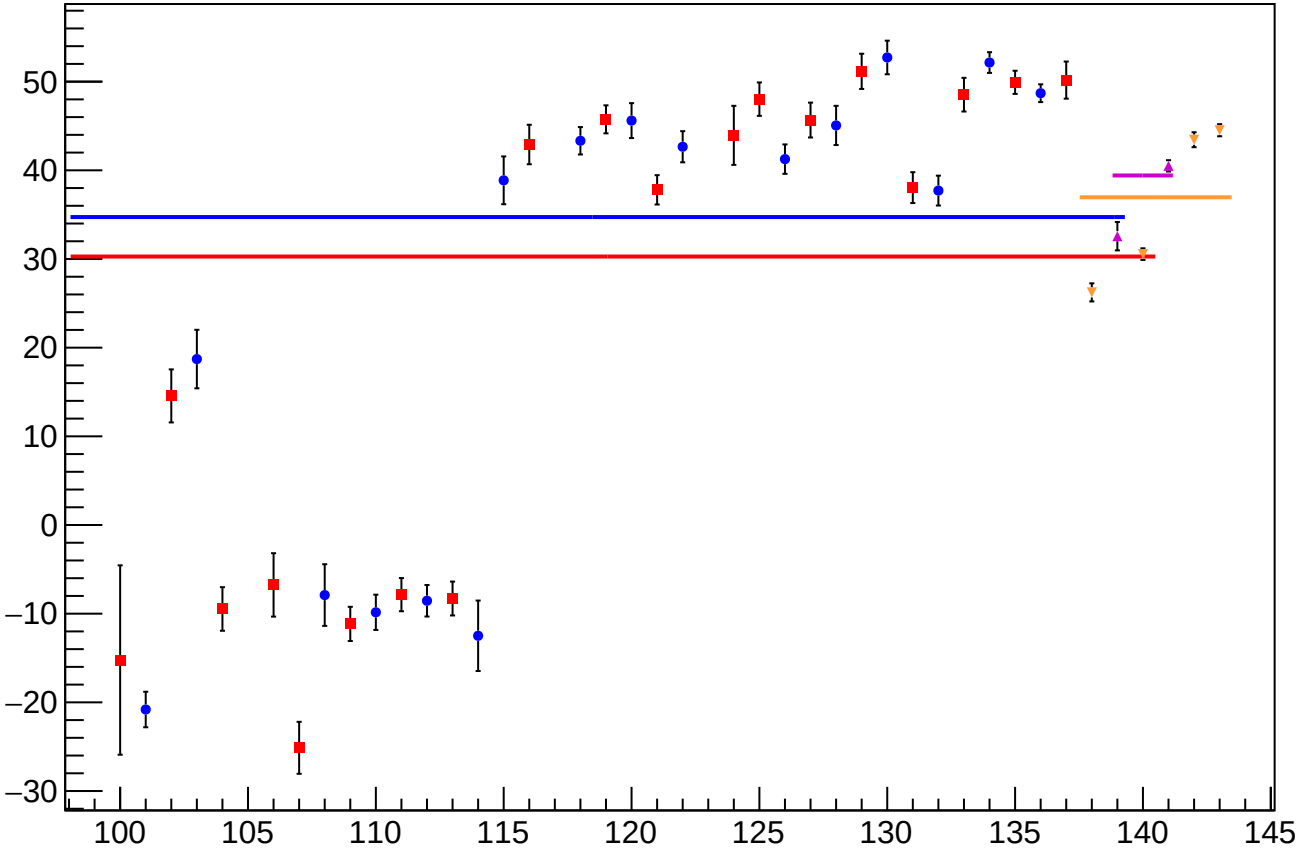
Left In: -74.115+/-0.591 χ^2/NDF:134.7/1

+ sign -77.894+/-0.300 χ^2/NDF: 2735.8/19

All: -81.295+/-0.229 χ^2/NDF: 4189.9/40

- sign -85.990+/-0.353 χ^2/NDF: 1148.4/20

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 36.960+/-0.383 χ^2/NDF:387.5/3

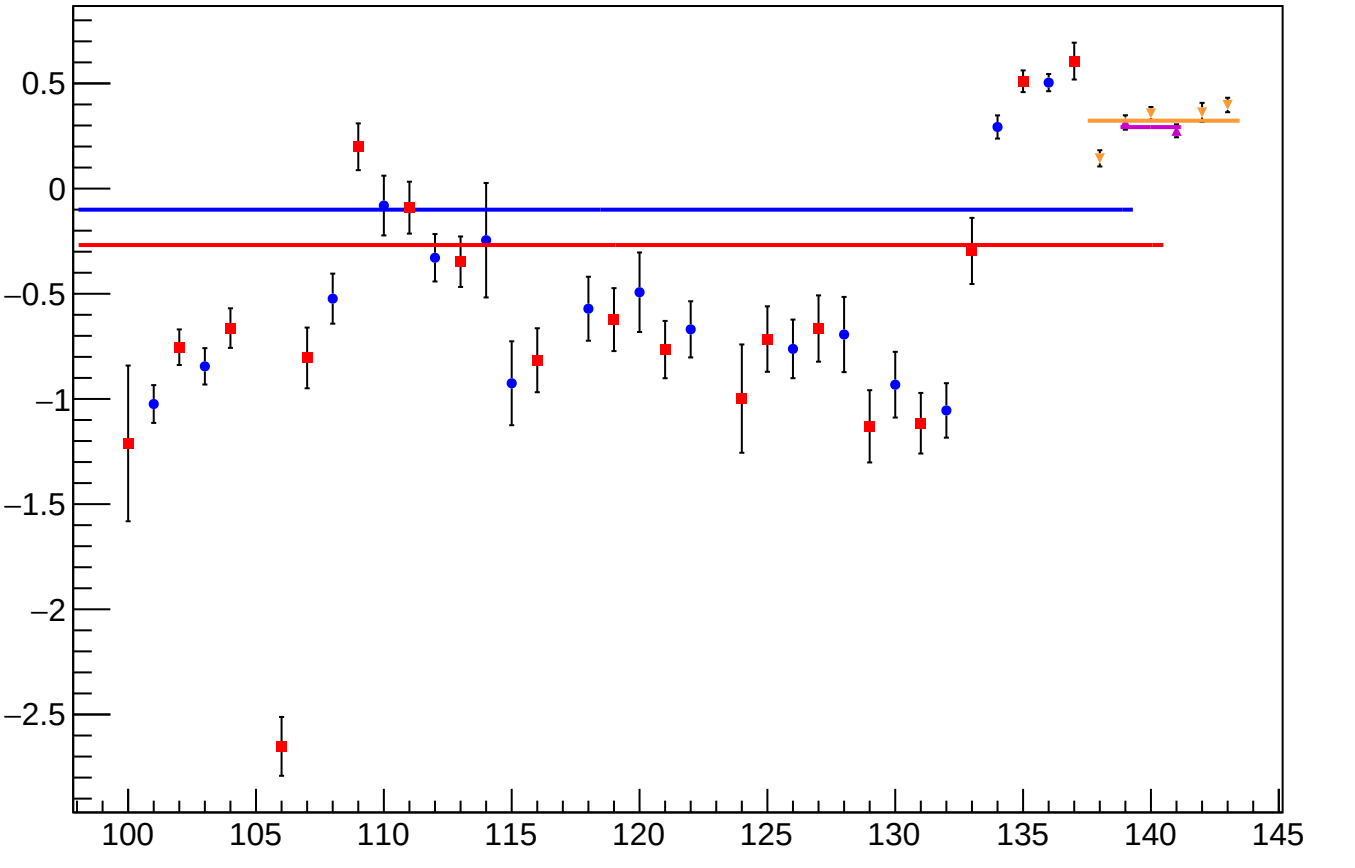
Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 39.419+/-0.592 χ^2/NDF:21.3/1

+ sign 36.004+/-0.289 χ^2/NDF: 3211.2/19

All: 35.154+/-0.227 χ^2/NDF: 6313.2/40

- sign 33.789+/-0.367 χ^2/NDF: 3079.5/20



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.323+/-0.018 χ^2/NDF:28.4/3

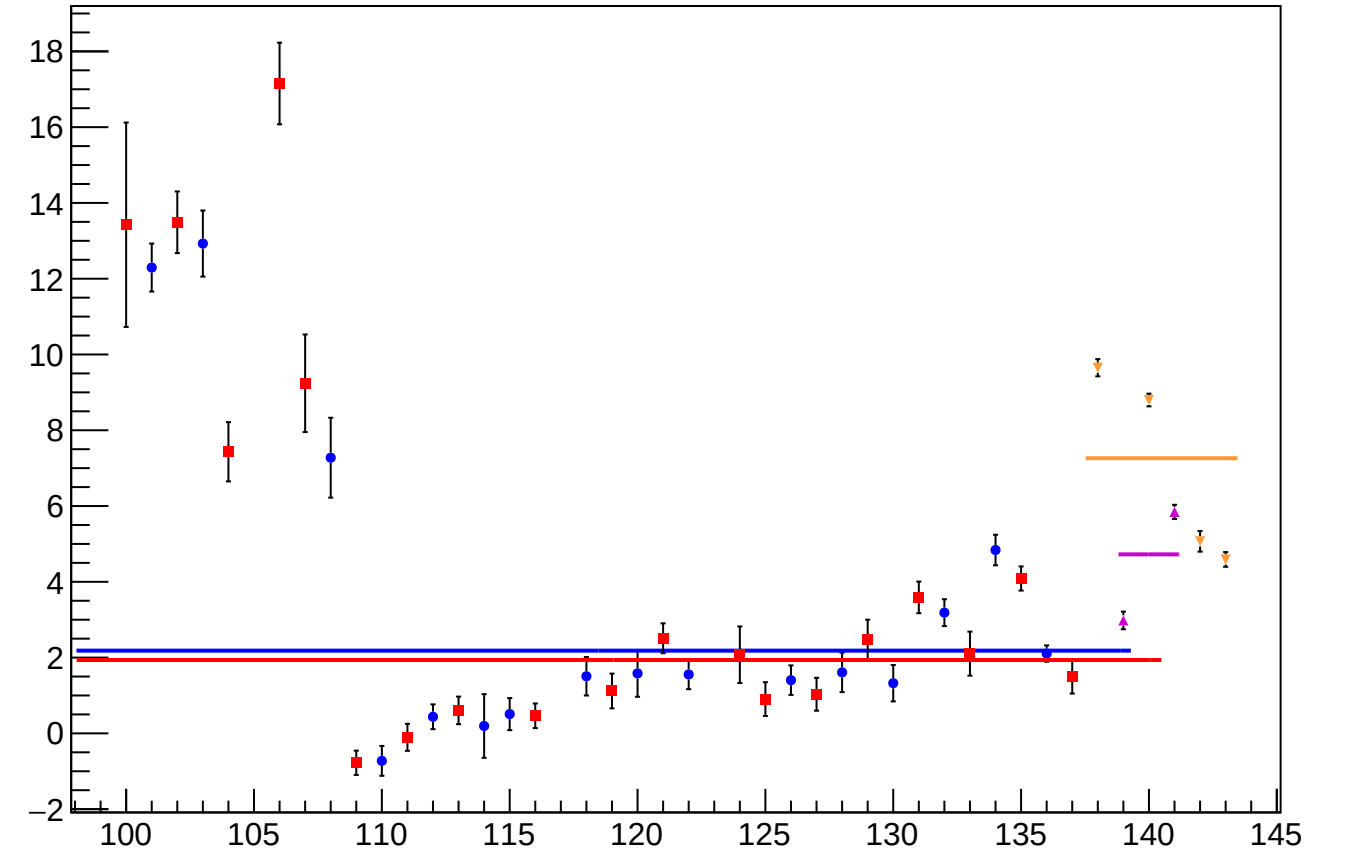
Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.292+/-0.023 χ^2/NDF:0.7/1

+ sign 0.171+/-0.014 χ^2/NDF: 858.7/19

All: 0.122+/-0.011 χ^2/NDF: 1968.2/40

- sign 0.051+/-0.017 χ^2/NDF: 1080.9/20



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 7.262+/-0.103 χ^2/NDF:449.1/3

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

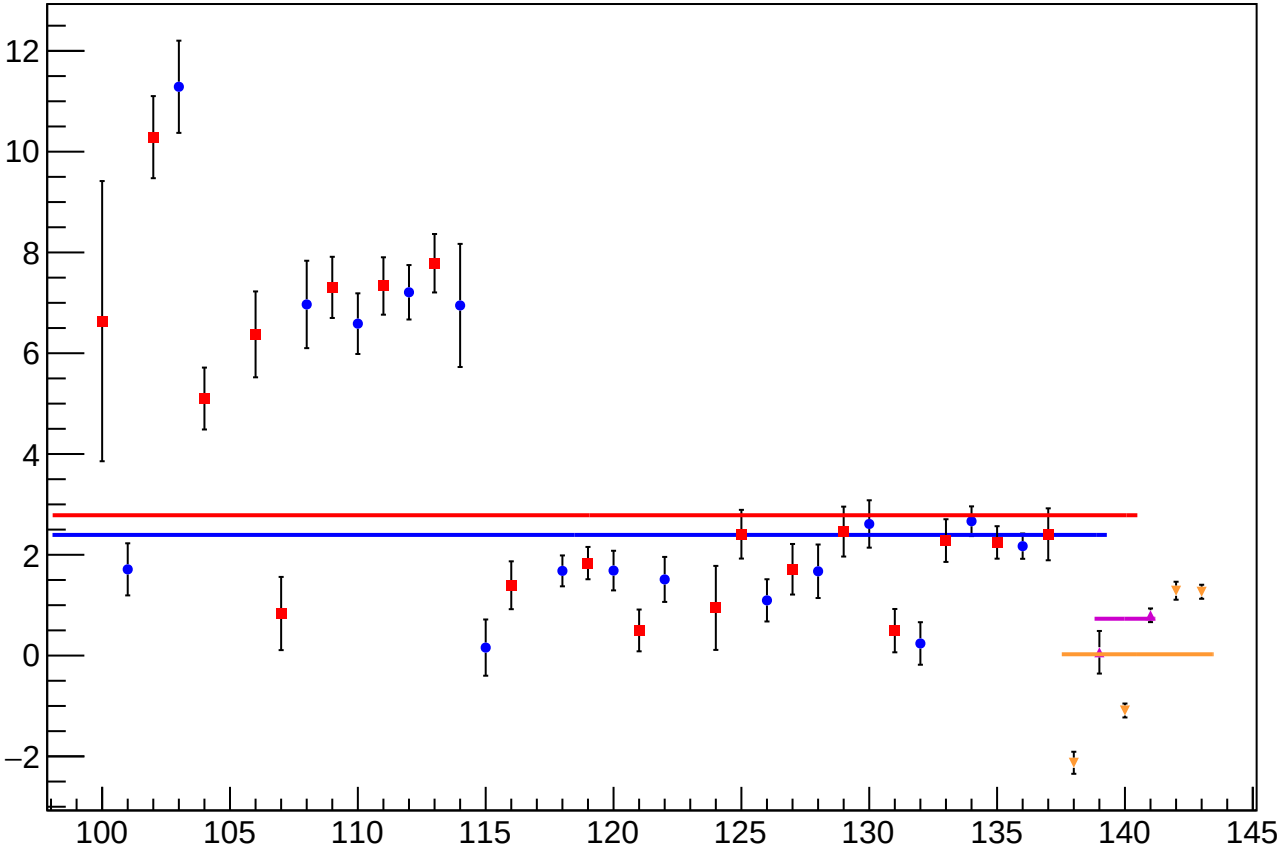
Left In: 4.725+/-0.146 χ^2/NDF:92.2/1

+ sign 4.781+/-0.073 χ^2/NDF: 2245.1/19

All: 3.980+/-0.056 χ^2/NDF: 3575.0/40

- sign 2.896+/-0.085 χ^2/NDF: 1049.7/20

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: 0.026+/-0.080 χ^2/NDF:291.3/3

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

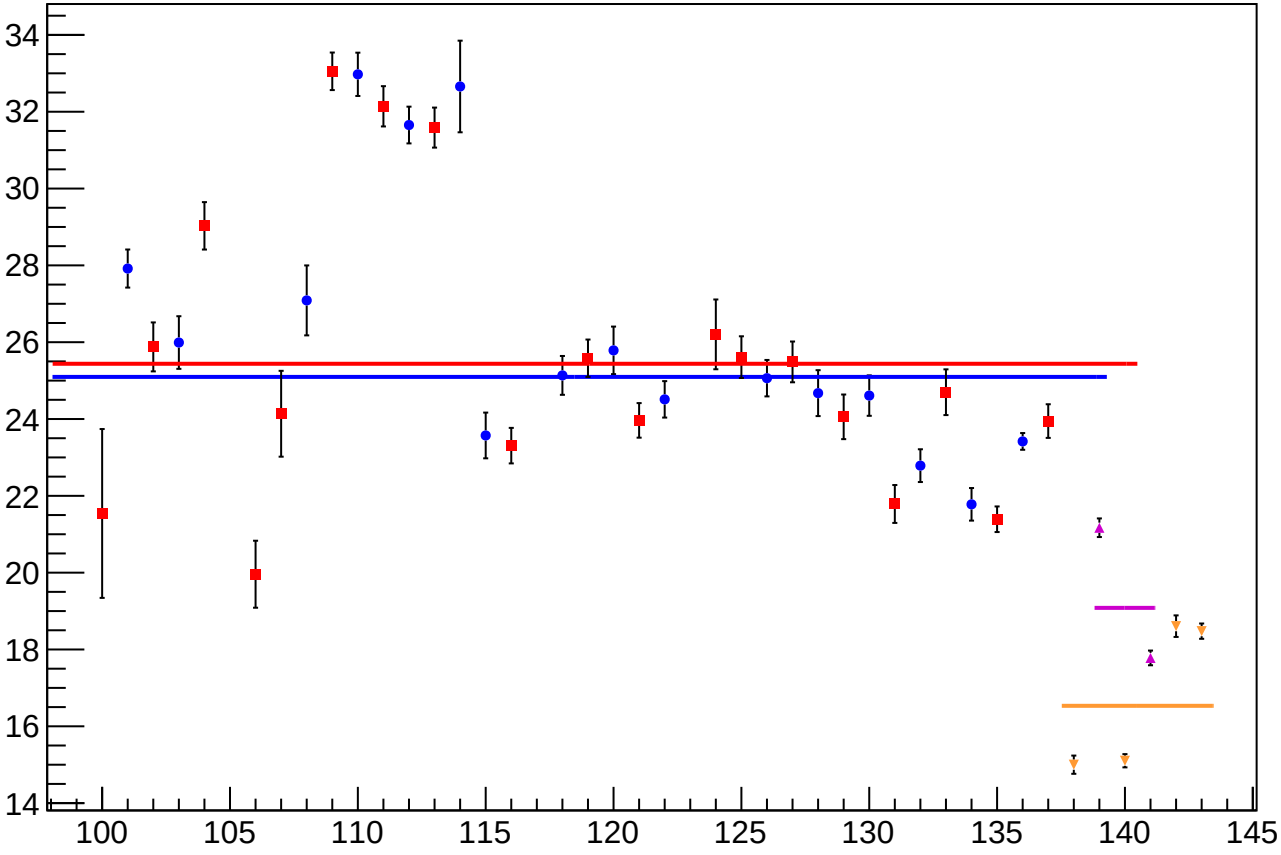
Left In: 0.731+/-0.129 χ^2/NDF:2.7/1

+ sign 0.862+/-0.064 χ^2/NDF: 934.4/19

All: 1.222+/-0.052 χ^2/NDF: 1575.7/40

- sign 1.869+/-0.086 χ^2/NDF: 553.7/20

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.533+/-0.106 χ^2/NDF:260.2/3

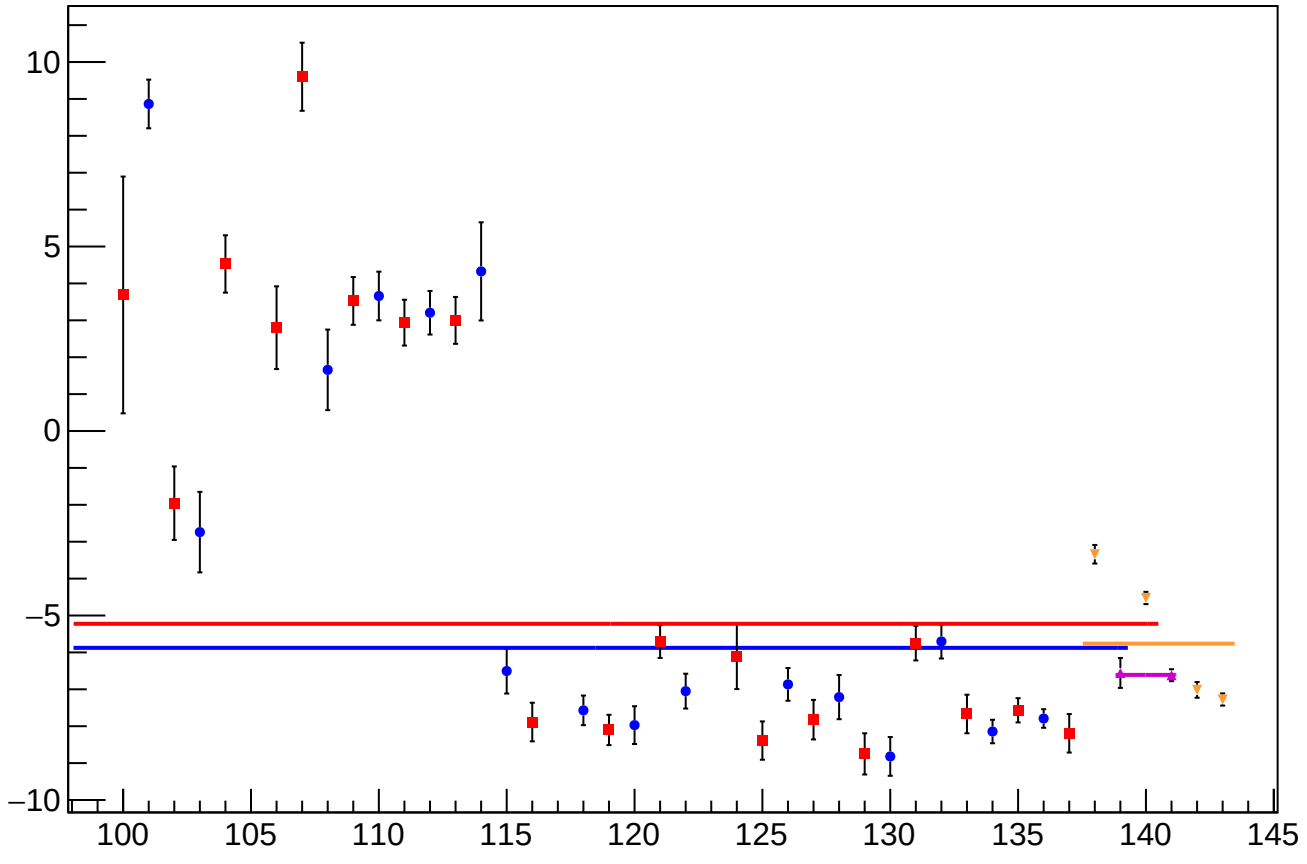
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 19.083+/-0.150 χ^2/NDF:120.4/1

+ sign 20.368+/-0.079 χ^2/NDF: 3813.8/19

All: 21.375+/-0.061 χ^2/NDF: 6281.5/40

- sign 22.864+/-0.096 χ^2/NDF: 2061.7/20



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -5.762+/-0.095 χ^2/NDF:265.8/3

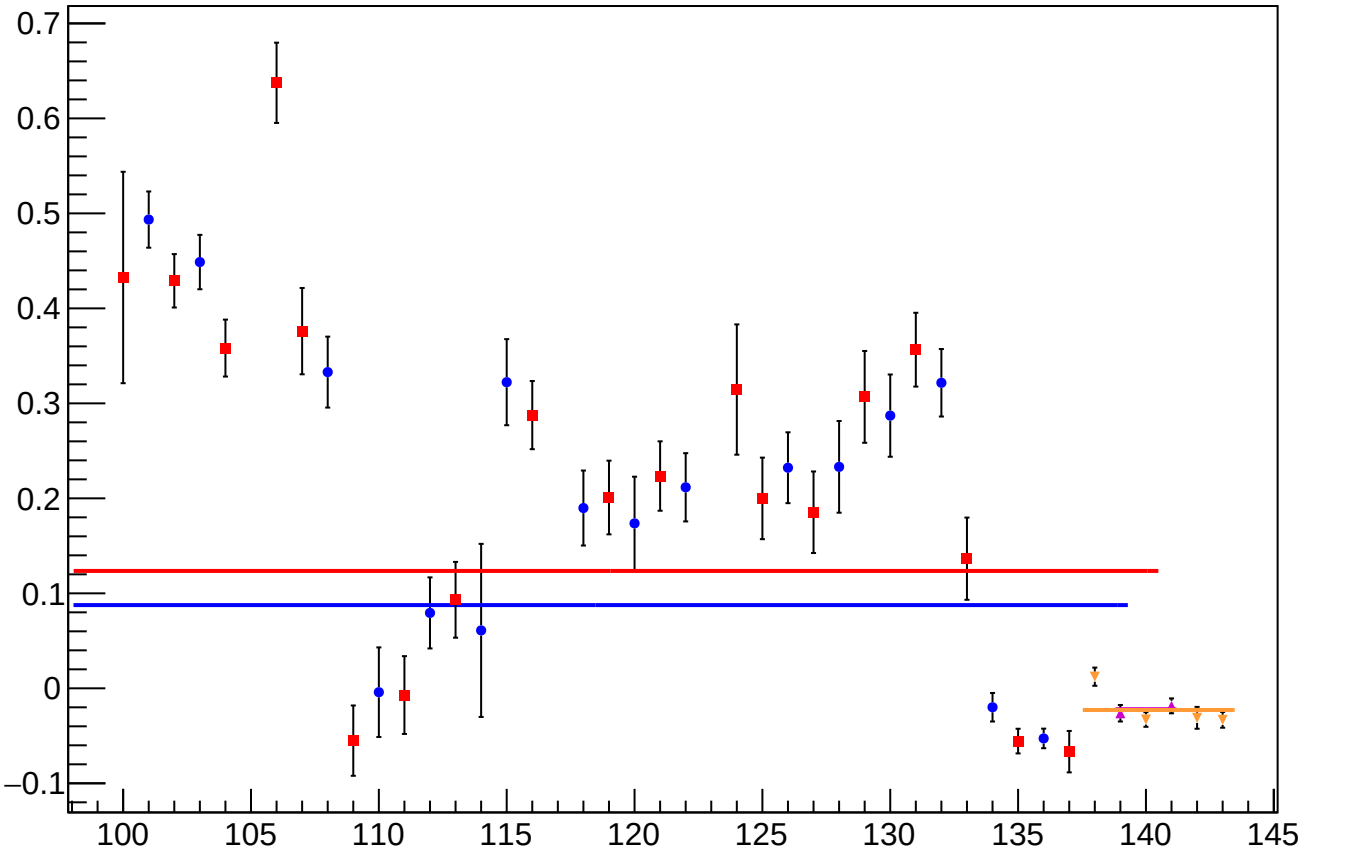
Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.609+/-0.150 χ^2/NDF:0.0/1

+ sign -5.806+/-0.075 χ^2/NDF: 1517.7/19

All: -5.809+/-0.059 χ^2/NDF: 2858.5/40

- sign -5.814+/-0.098 χ^2/NDF: 1340.7/20



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.023+/-0.004 χ^2/NDF:17.2/3

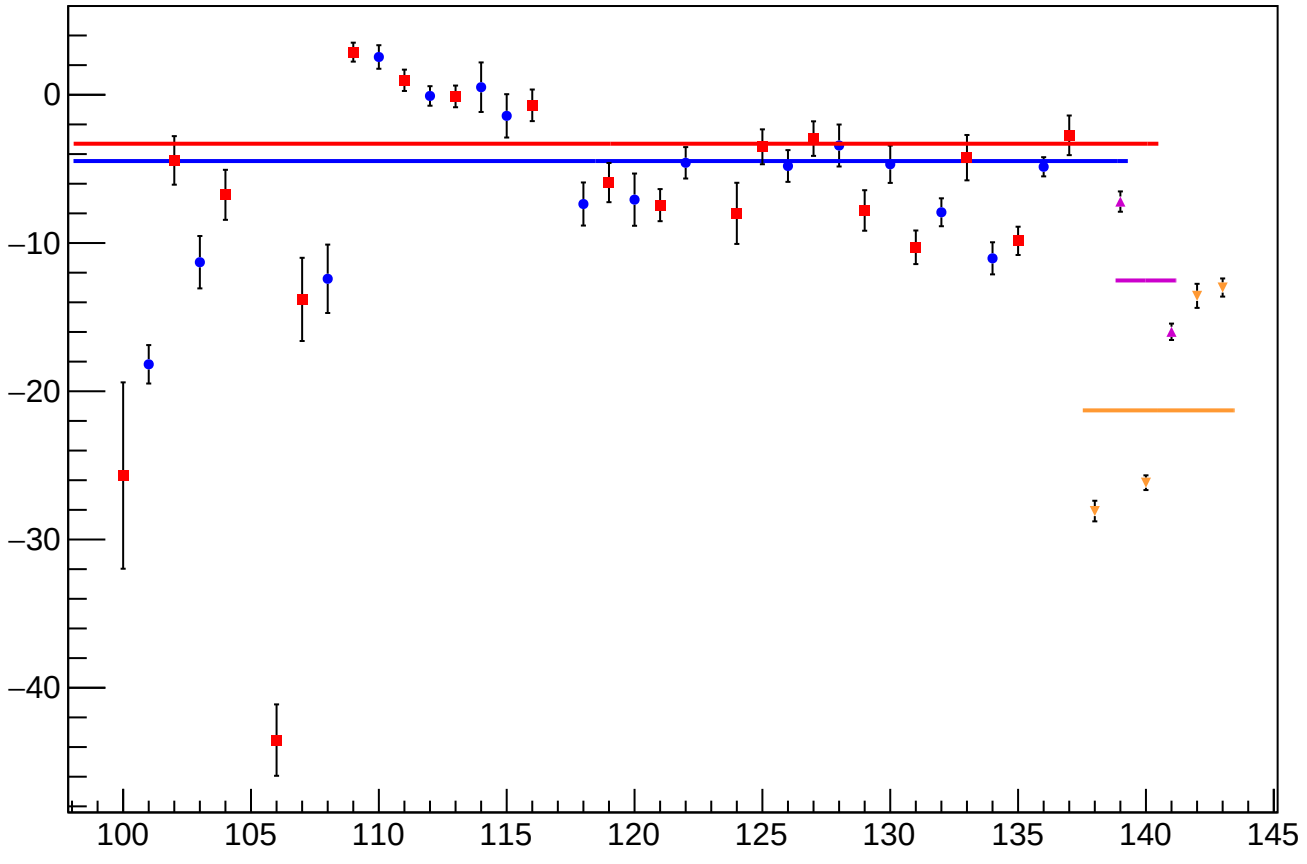
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.022+/-0.006 χ^2/NDF:0.4/1

+ sign 0.012+/-0.004 χ^2/NDF: 977.2/19

All: 0.021+/-0.003 χ^2/NDF: 1996.1/40

- sign 0.034+/-0.005 χ^2/NDF: 1004.4/20



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -21.290+/-0.311 χ^2/NDF:465.9/3

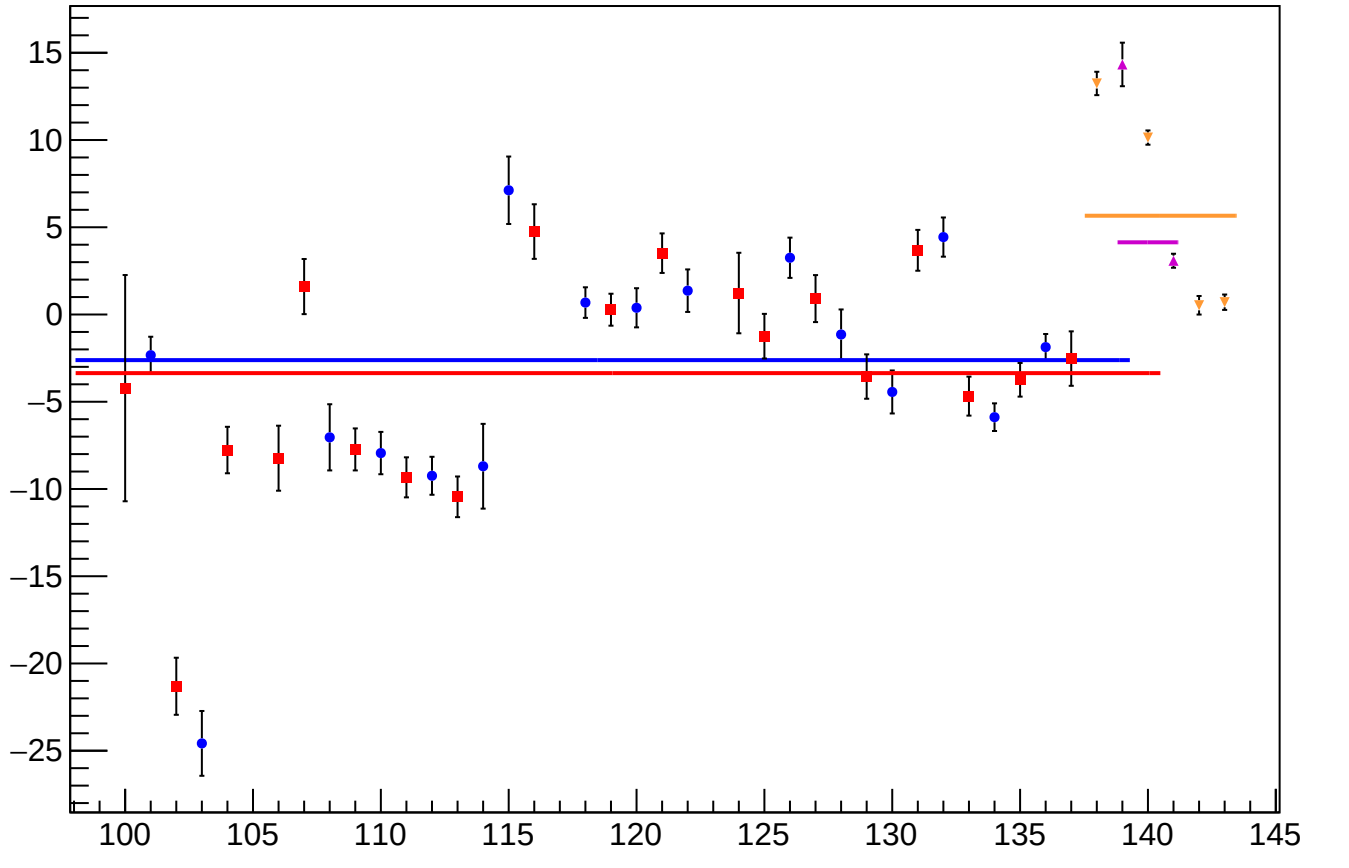
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -12.526+/-0.430 χ^2/NDF:99.6/1

+ sign -11.642+/-0.203 χ^2/NDF: 2471.6/19

All: -8.982+/-0.150 χ^2/NDF: 3869.1/40

- sign -5.782+/-0.223 χ^2/NDF: 1020.4/20



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 5.661+/-0.243 χ^2/NDF:467.5/3

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

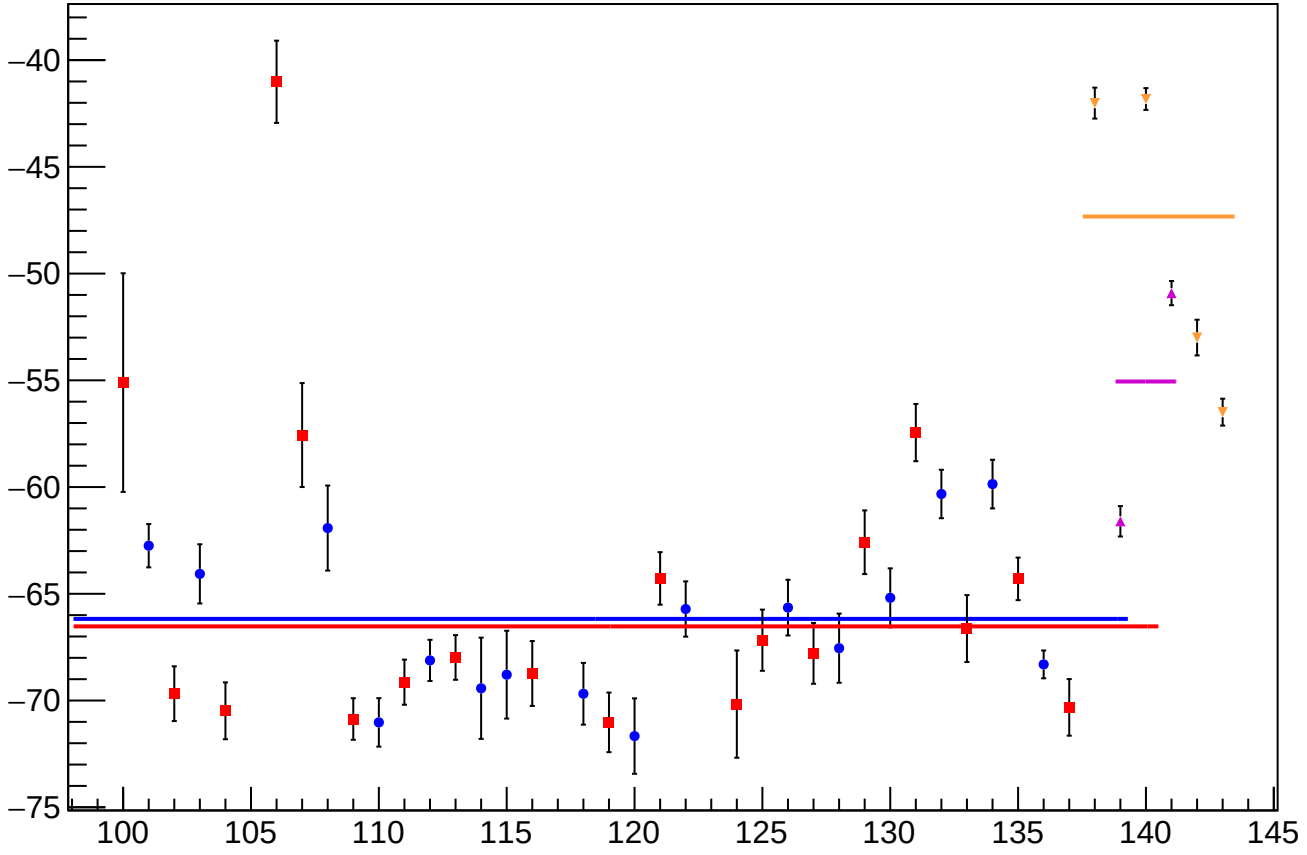
Left In: 4.137+/-0.382 χ^2/NDF:73.7/1

+ sign 2.181+/-0.185 χ^2/NDF: 1305.6/19

All: 1.149+/-0.146 χ^2/NDF: 2058.7/40

- sign -0.518+/-0.235 χ^2/NDF: 671.9/20

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -47.327+/-0.321 χ^2/NDF:427.9/3

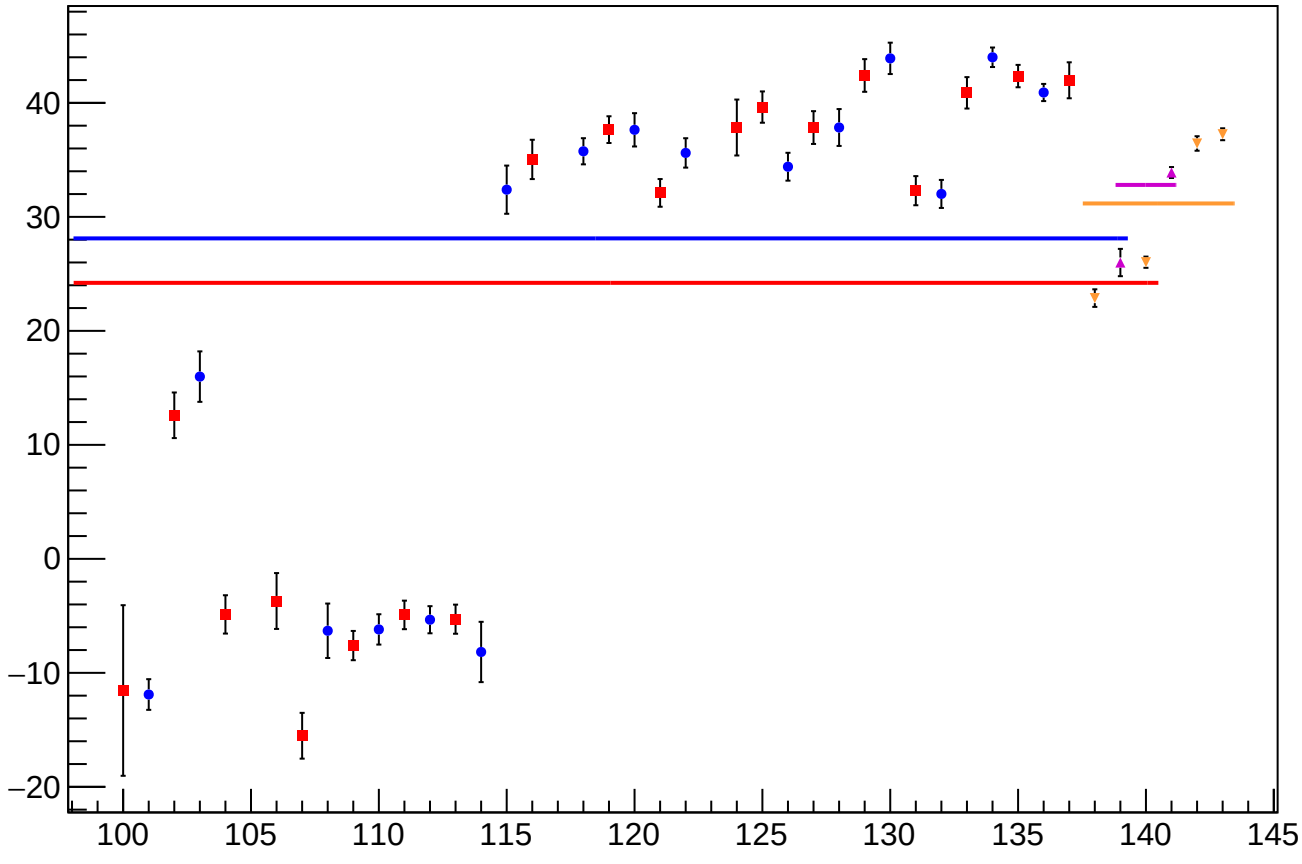
Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -55.055+/-0.444 χ^2/NDF:137.7/1

+ sign -57.259+/-0.221 χ^2/NDF: 2371.9/19

All: -59.597+/-0.167 χ^2/NDF: 3539.8/40

- sign -62.724+/-0.255 χ^2/NDF: 906.0/20



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 31.176+/-0.290 χ^2/NDF:428.4/3

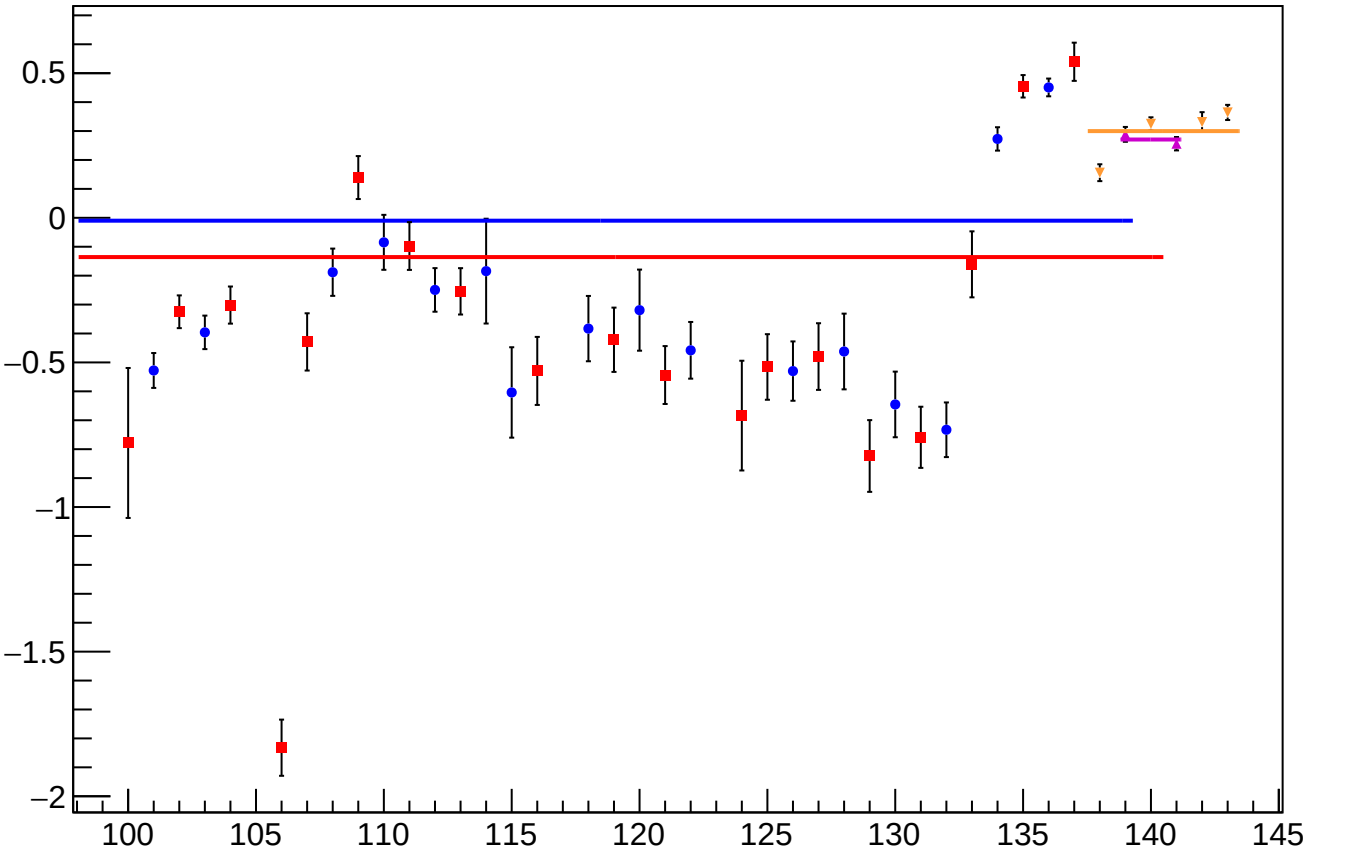
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.803+/-0.445 χ^2/NDF:37.5/1

+ sign 29.797+/-0.215 χ^2/NDF: 4206.5/19

All: 28.832+/-0.168 χ^2/NDF: 8375.1/40

- sign 27.329+/-0.268 χ^2/NDF: 4116.9/20



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.300+/-0.014 χ^2/NDF:32.5/3

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

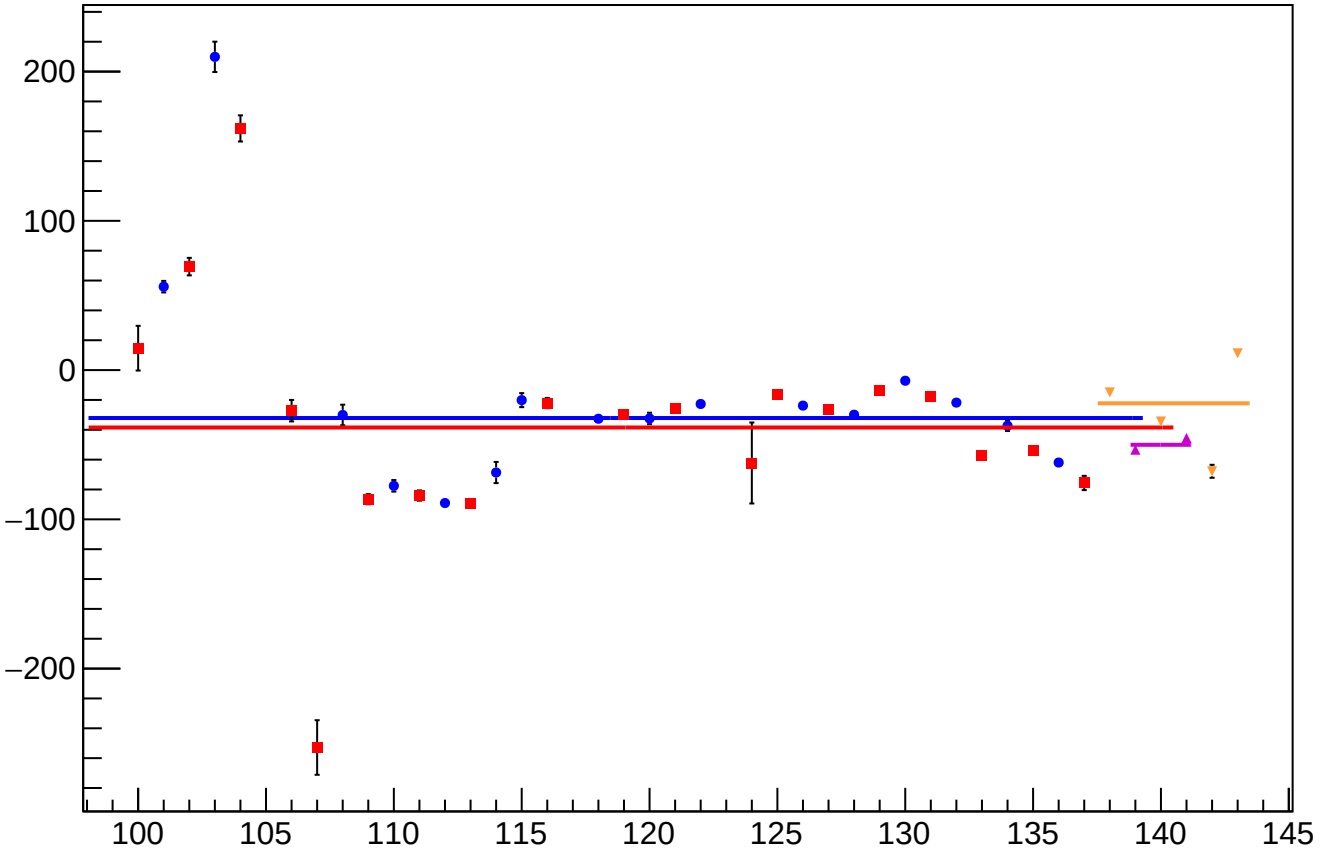
Left In: 0.271+/-0.017 χ^2/NDF:0.9/1

+ sign 0.182+/-0.011 χ^2/NDF: 817.8/19

All: 0.142+/-0.008 χ^2/NDF: 1924.7/40

- sign 0.086+/-0.013 χ^2/NDF: 1073.3/20

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -22.261+/-1.461 χ^2/NDF:244.1/3

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

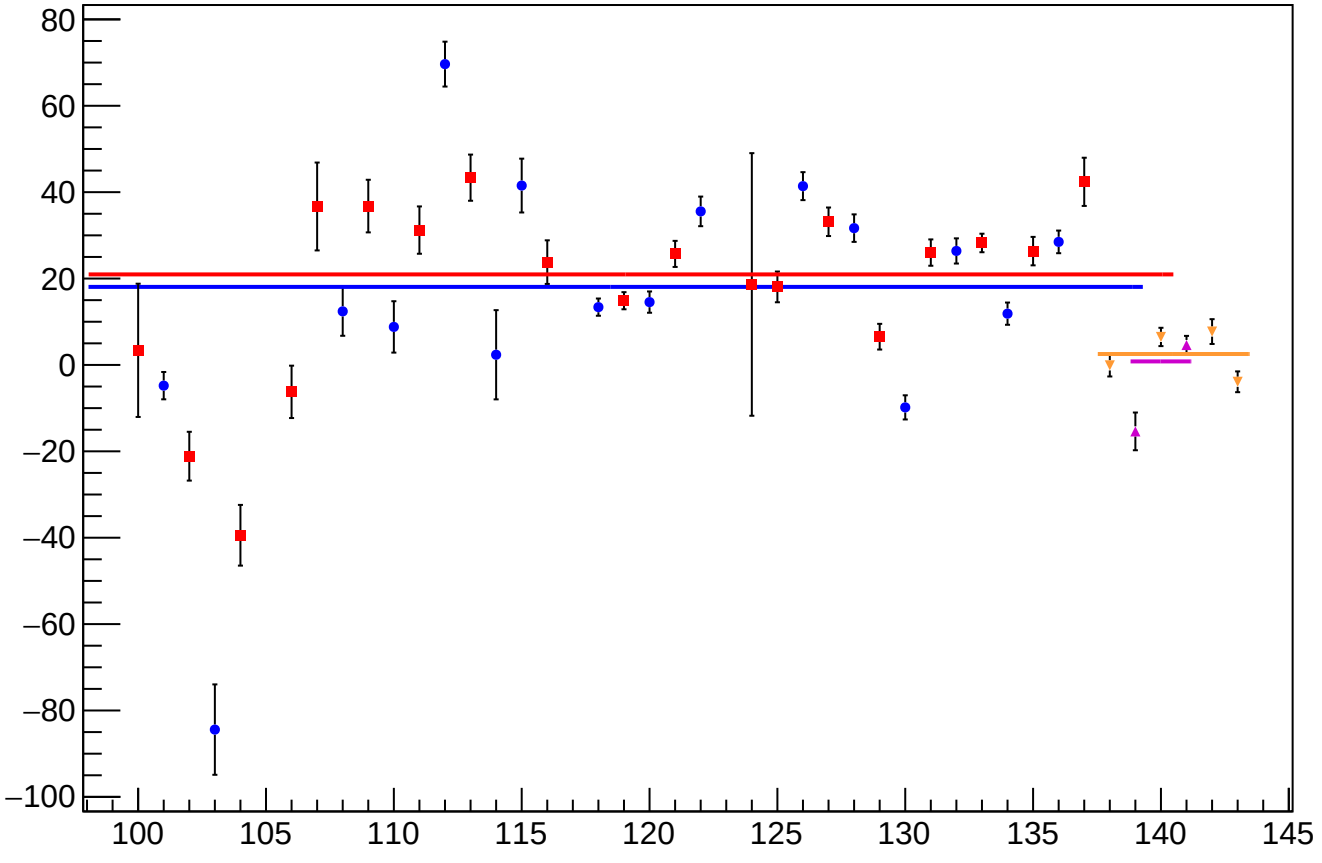
Left In: -50.059+/-1.856 χ^2/NDF:4.3/1

+ sign -29.657+/-0.730 χ^2/NDF: 2155.7/19

All: -34.709+/-0.534 χ^2/NDF: 4267.8/40

- sign -40.530+/-0.784 χ^2/NDF: 2009.0/20

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 2.531+/-1.224 χ^2/NDF:14.9/3

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

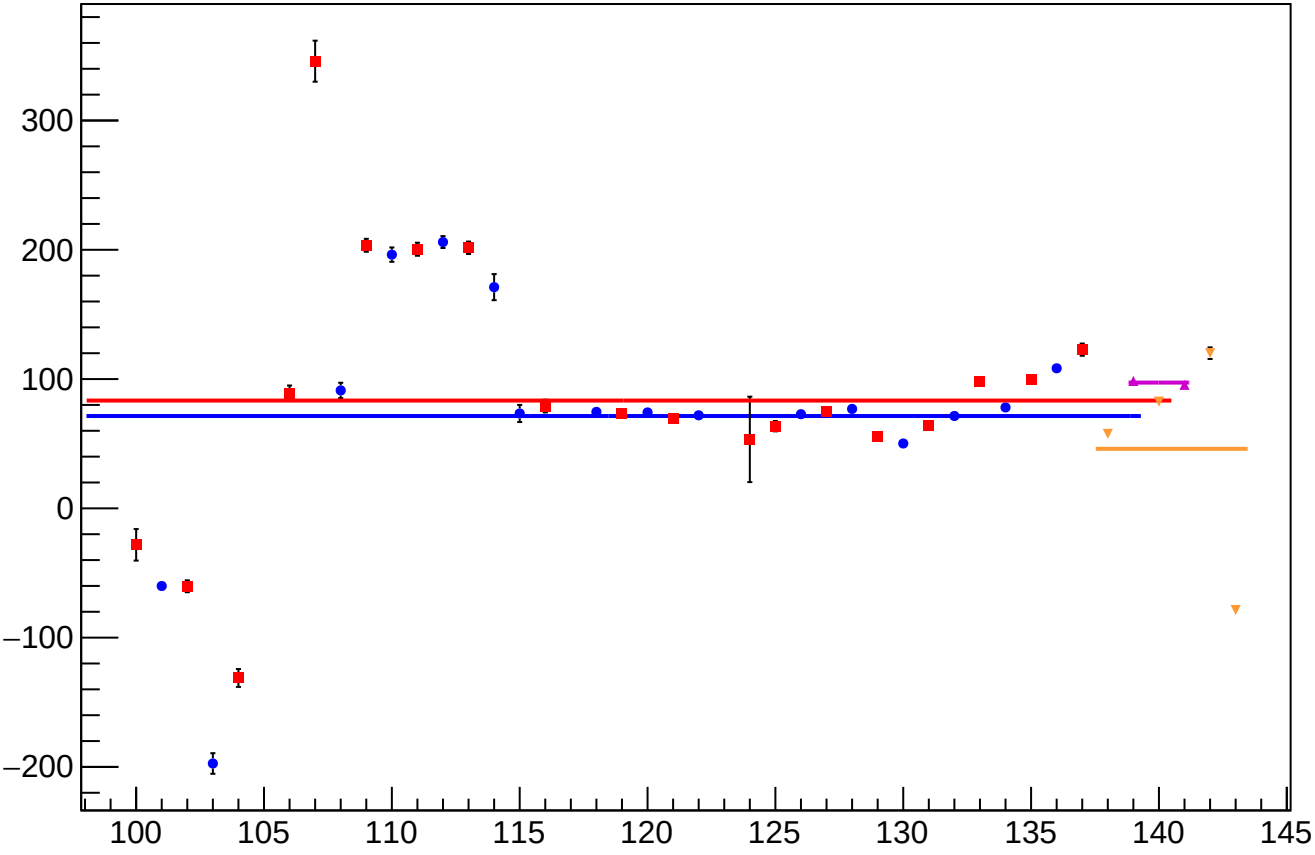
Left In: 0.816+/-1.903 χ^2/NDF:17.0/1

+ sign 13.233+/-0.683 χ^2/NDF: 625.5/19

All: 15.052+/-0.517 χ^2/NDF: 1014.4/40

- sign 17.487+/-0.790 χ^2/NDF: 372.3/20

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 46.055+/-1.512 χ^2/NDF:1837.0/3

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

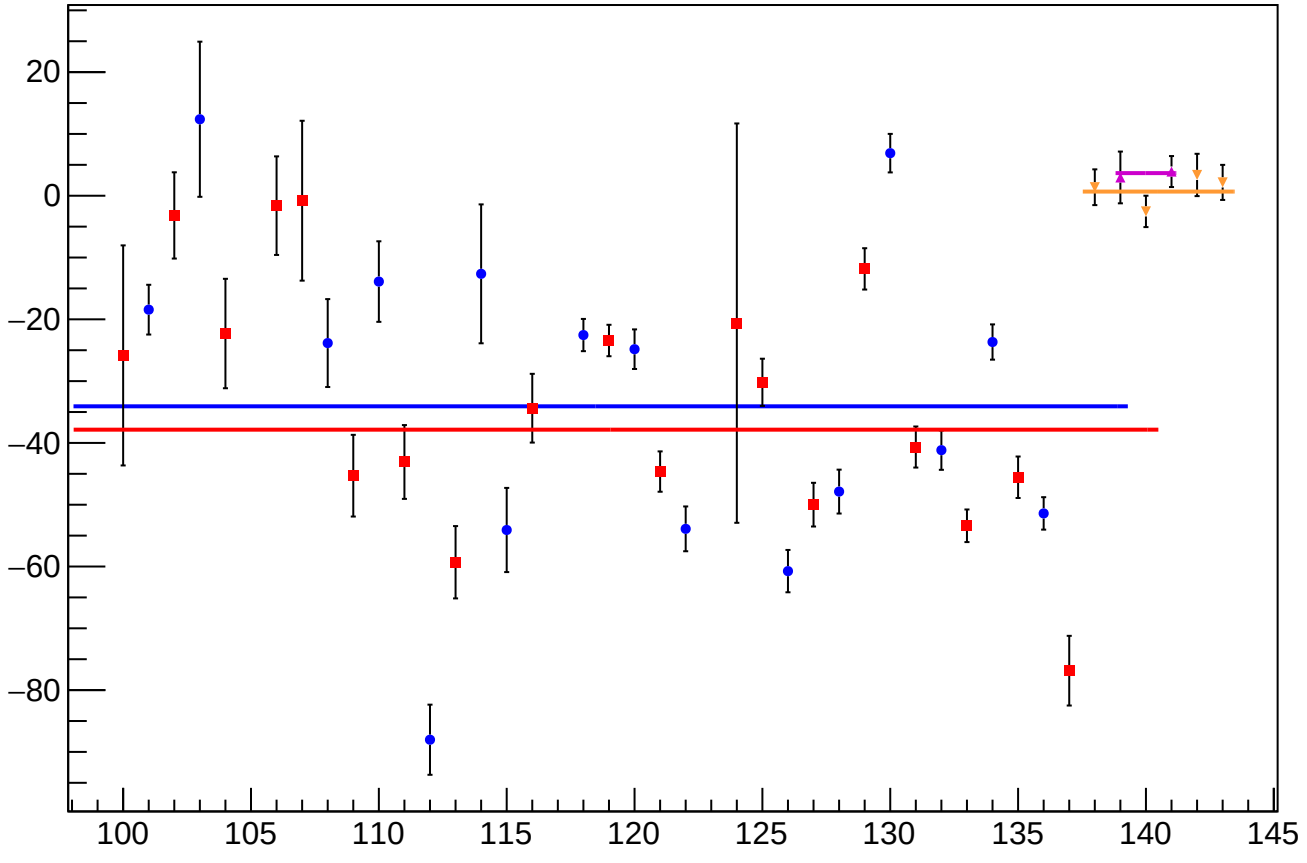
Left In: 97.281+/-1.922 χ^2/NDF:0.6/1

\+ sign 64.443+/-0.793 χ^2/NDF: 6860.7/19

All: 74.266+/-0.588 χ^2/NDF: 11541.3/40

\- sign 86.277+/-0.877 χ^2/NDF: 4339.3/20

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: 0.673+/-1.437 χ^2/NDF:2.5/3

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

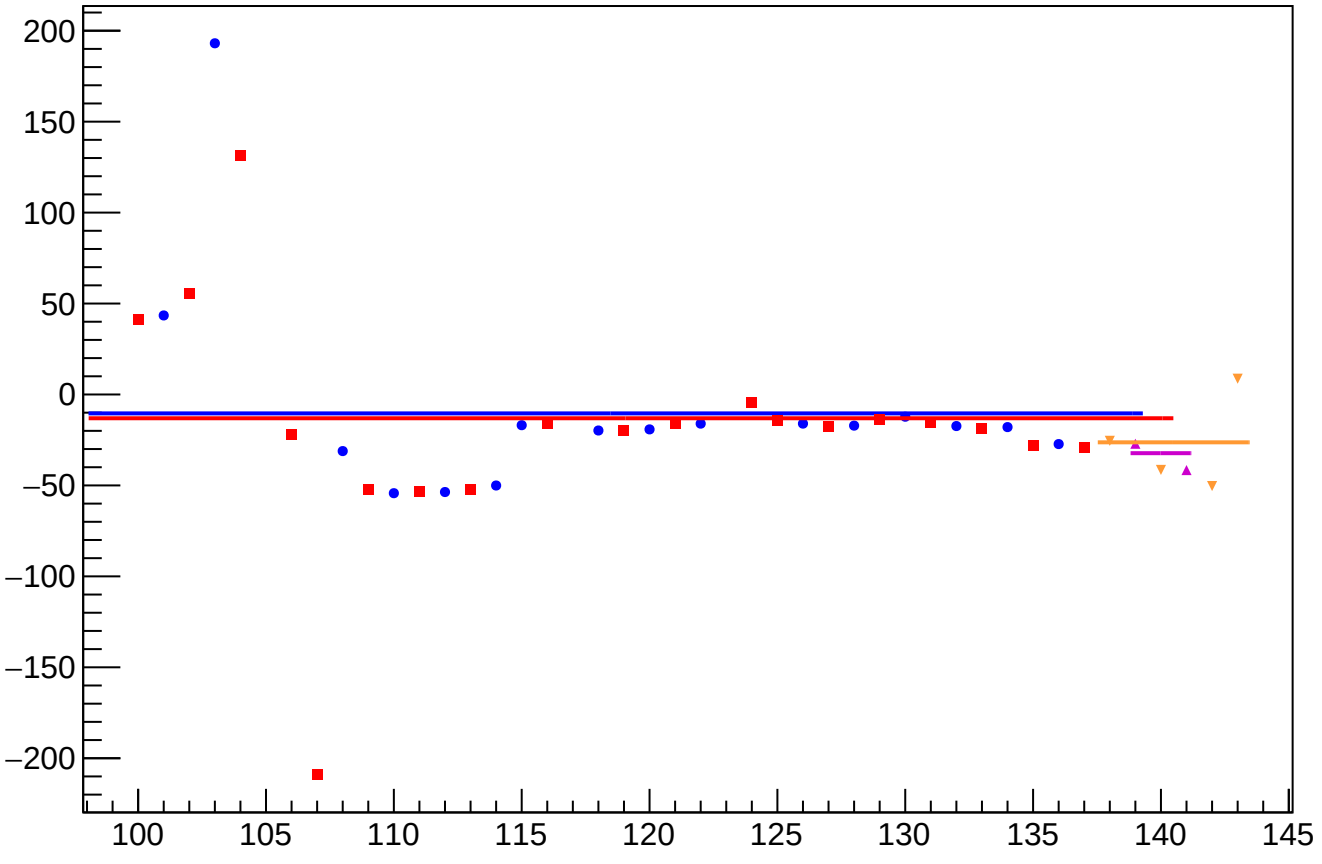
Left In: 3.661+/-2.152 χ^2/NDF:0.0/1

+ sign -23.629+/-0.788 χ^2/NDF: 922.7/19

All: -26.626+/-0.593 χ^2/NDF: 1537.6/40

- sign -30.556+/-0.902 χ^2/NDF: 581.5/20

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -26.309+/-0.063 χ^2/NDF:95973.4/3

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

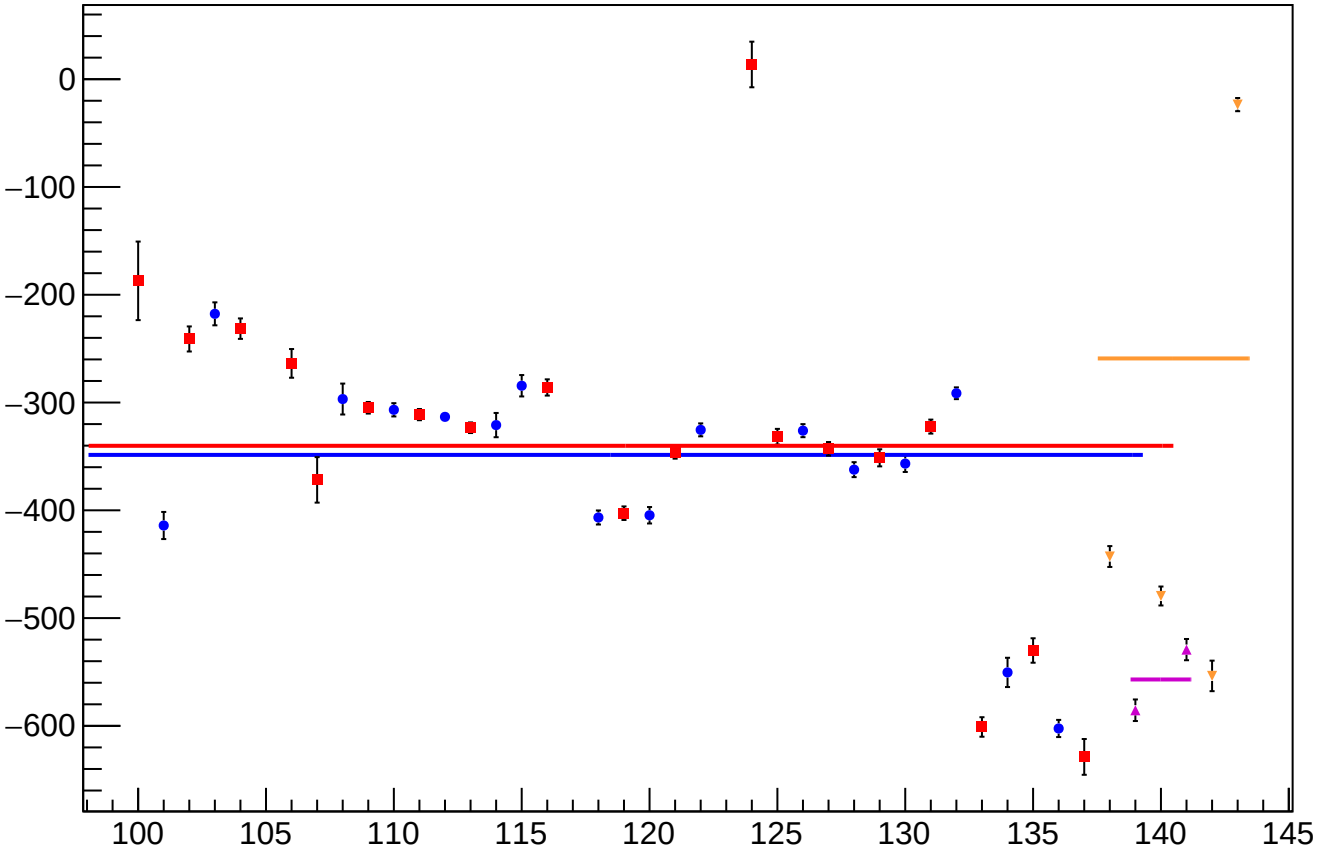
Left In: -32.272+/-0.072 χ^2/NDF:9270.4/1

+ sign -17.571+/-0.042 χ^2/NDF: 653646.7/19

All: -19.230+/-0.031 χ^2/NDF: 1156416.4/40

- sign -21.322+/-0.047 χ^2/NDF: 499262.3/20

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -259.095+/-4.252 χ^2/NDF:2902.8/3

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

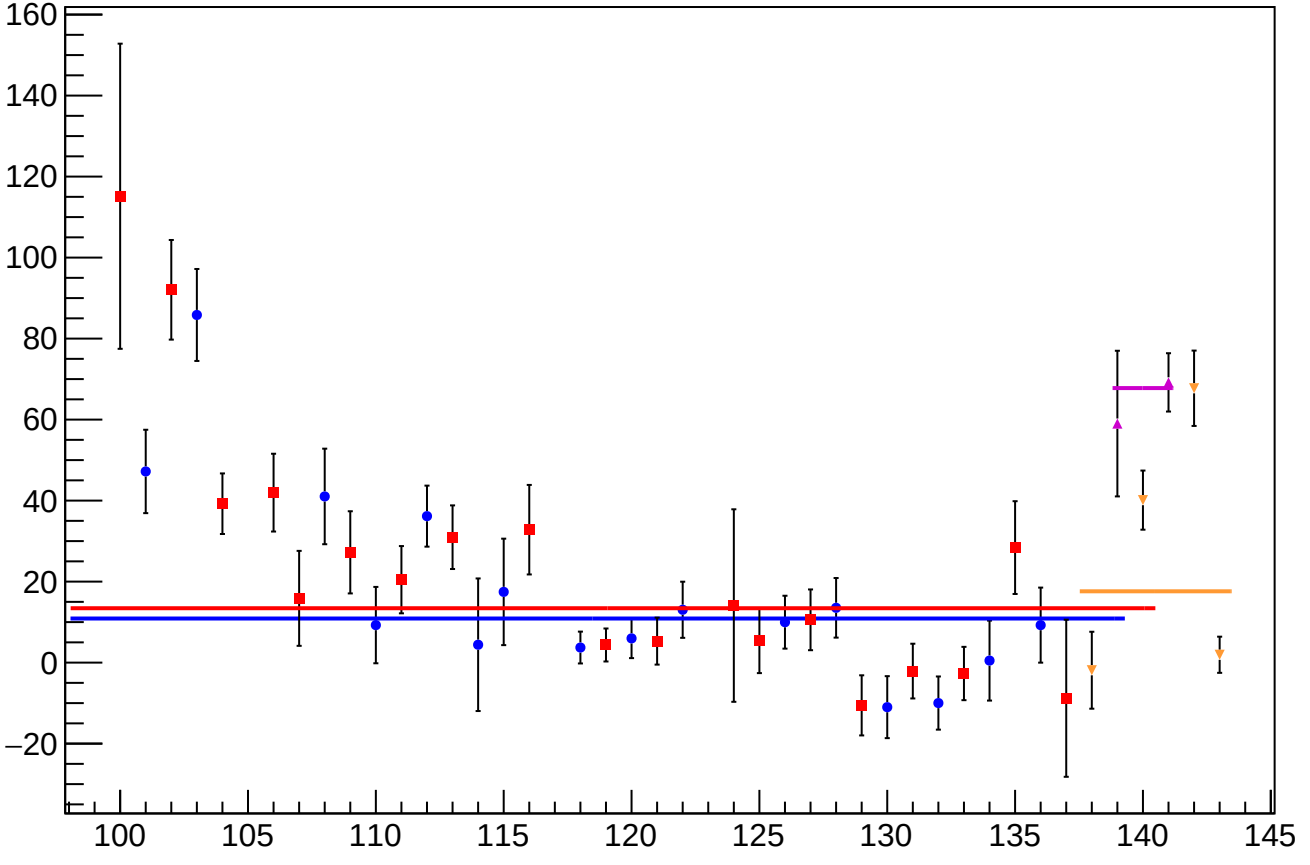
Left In: -556.956+/-7.022 χ^2/NDF:16.0/1

\+ sign -334.671+/-1.677 χ^2/NDF: 5135.1/19

All: -343.650+/-1.196 χ^2/NDF: 8303.6/40

\- sign -352.951+/-1.707 χ^2/NDF: 3110.1/20

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 17.606+/-3.304 χ^2/NDF:55.1/3

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

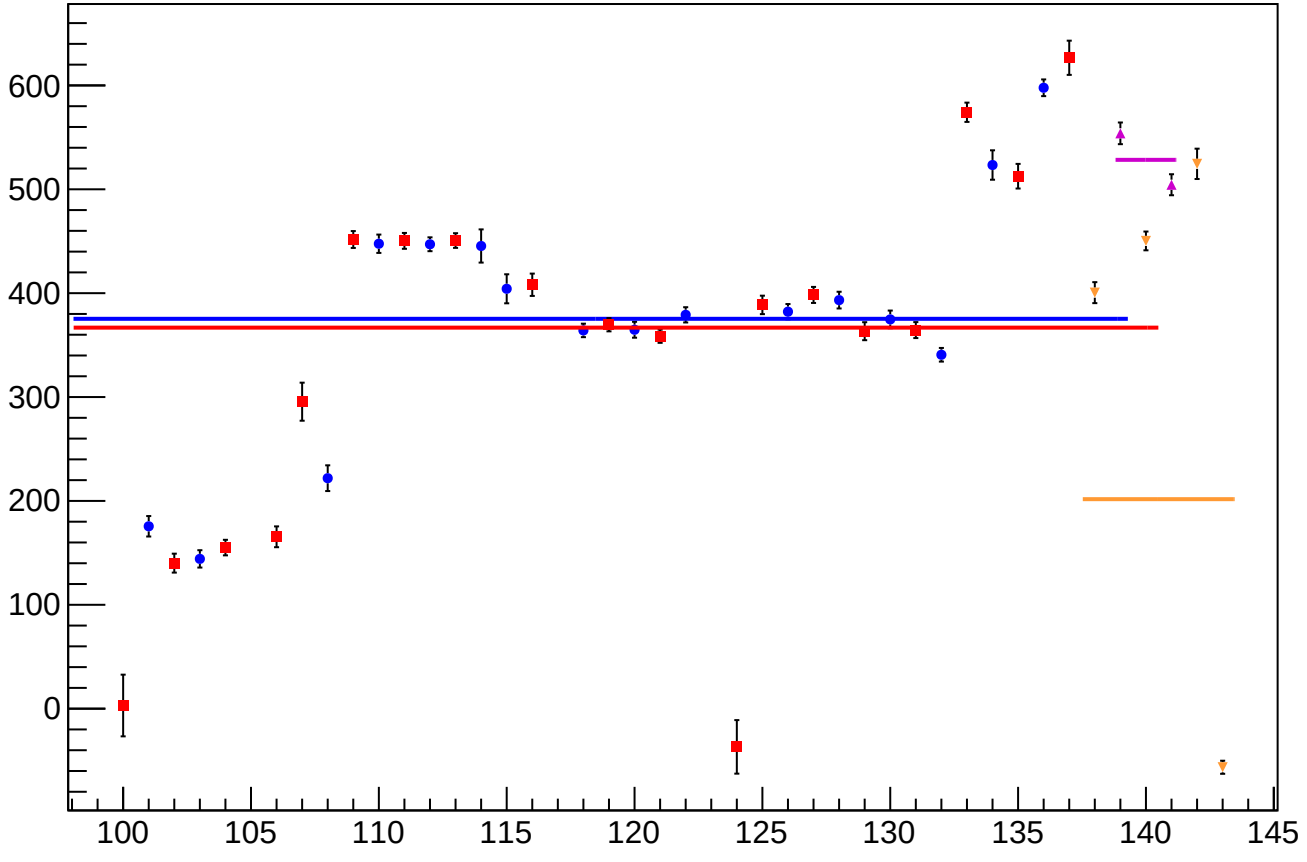
Left In: 67.782+/-6.685 χ^2/NDF:0.3/1

+ sign 12.482+/-1.609 χ^2/NDF: 156.5/19

All: 14.644+/-1.196 χ^2/NDF: 334.6/40

- sign 17.311+/-1.787 χ^2/NDF: 174.1/20

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 201.686+/-4.386 χ^2/NDF:3313.8/3

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

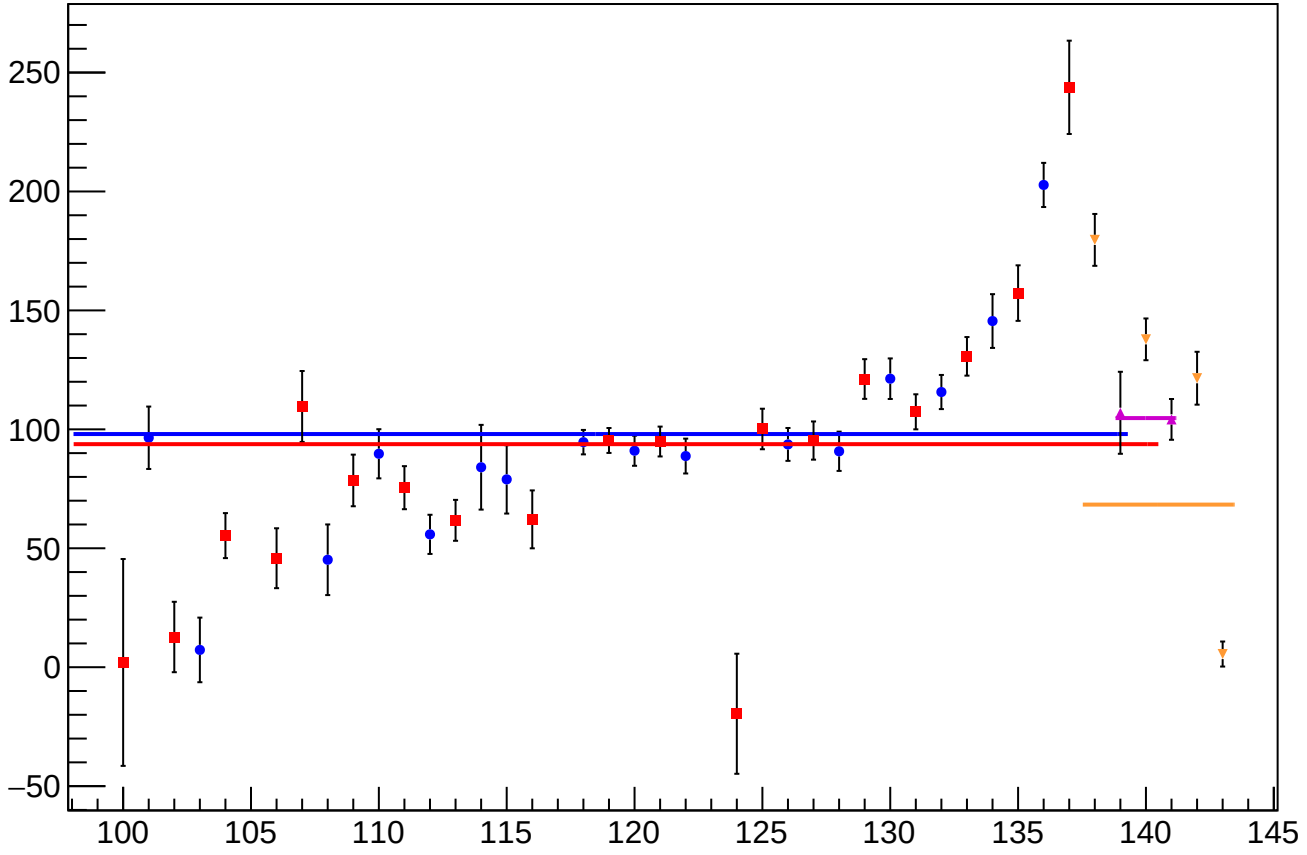
Left In: 528.360+/-7.261 χ^2/NDF:11.6/1

+ sign 342.876+/-1.896 χ^2/NDF: 7037.4/19

All: 360.106+/-1.367 χ^2/NDF: 11220.4/40

- sign 378.749+/-1.972 χ^2/NDF: 4011.1/20

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 68.361+/-3.904 χ^2/NDF:332.2/3

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

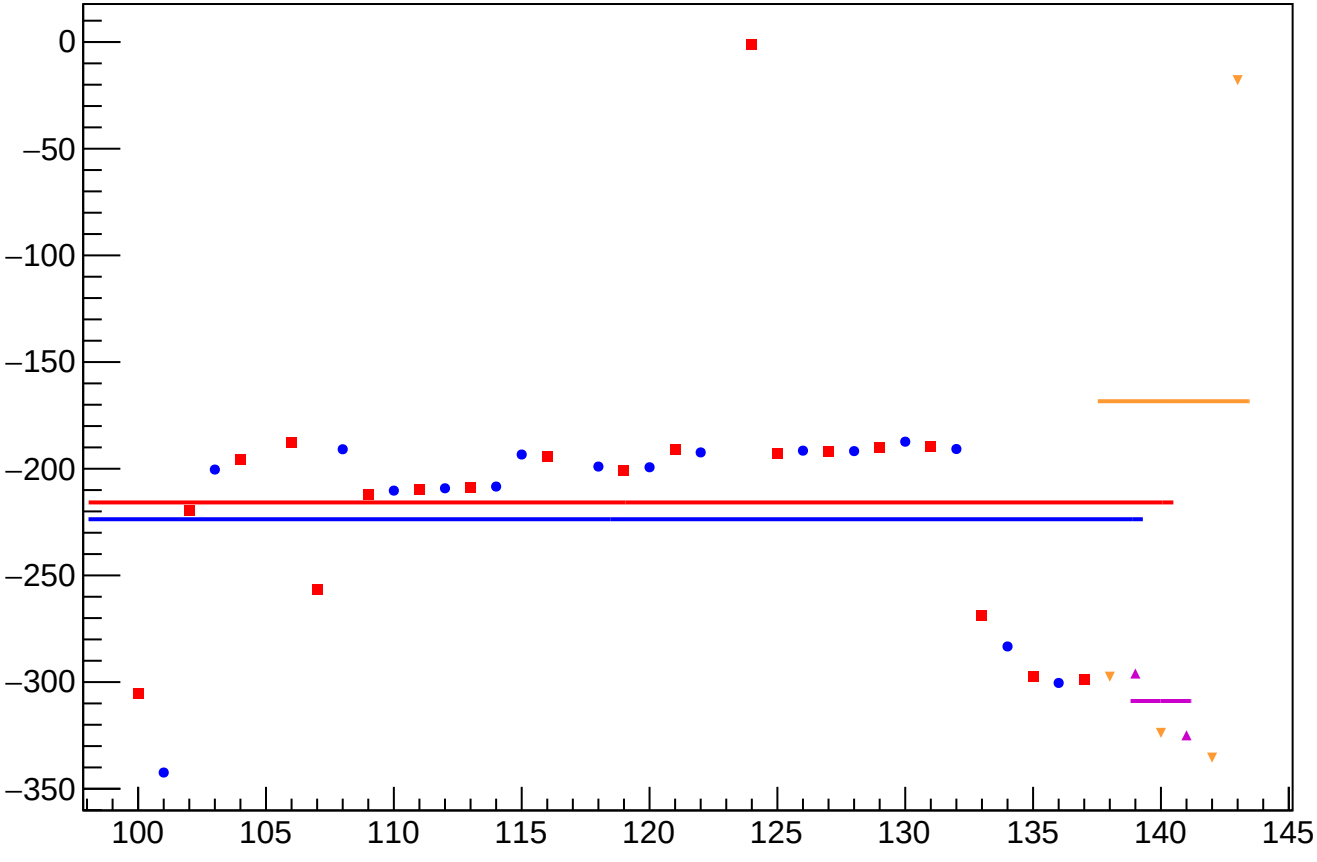
Left In: 104.732+/-7.676 χ^2/NDF:0.0/1

+ sign 91.149+/-1.879 χ^2/NDF: 626.0/19

All: 92.699+/-1.388 χ^2/NDF: 866.5/40

- sign 94.560+/-2.060 χ^2/NDF: 239.1/20

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -168.355+/-0.184 χ^2/NDF:658890.7/3

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

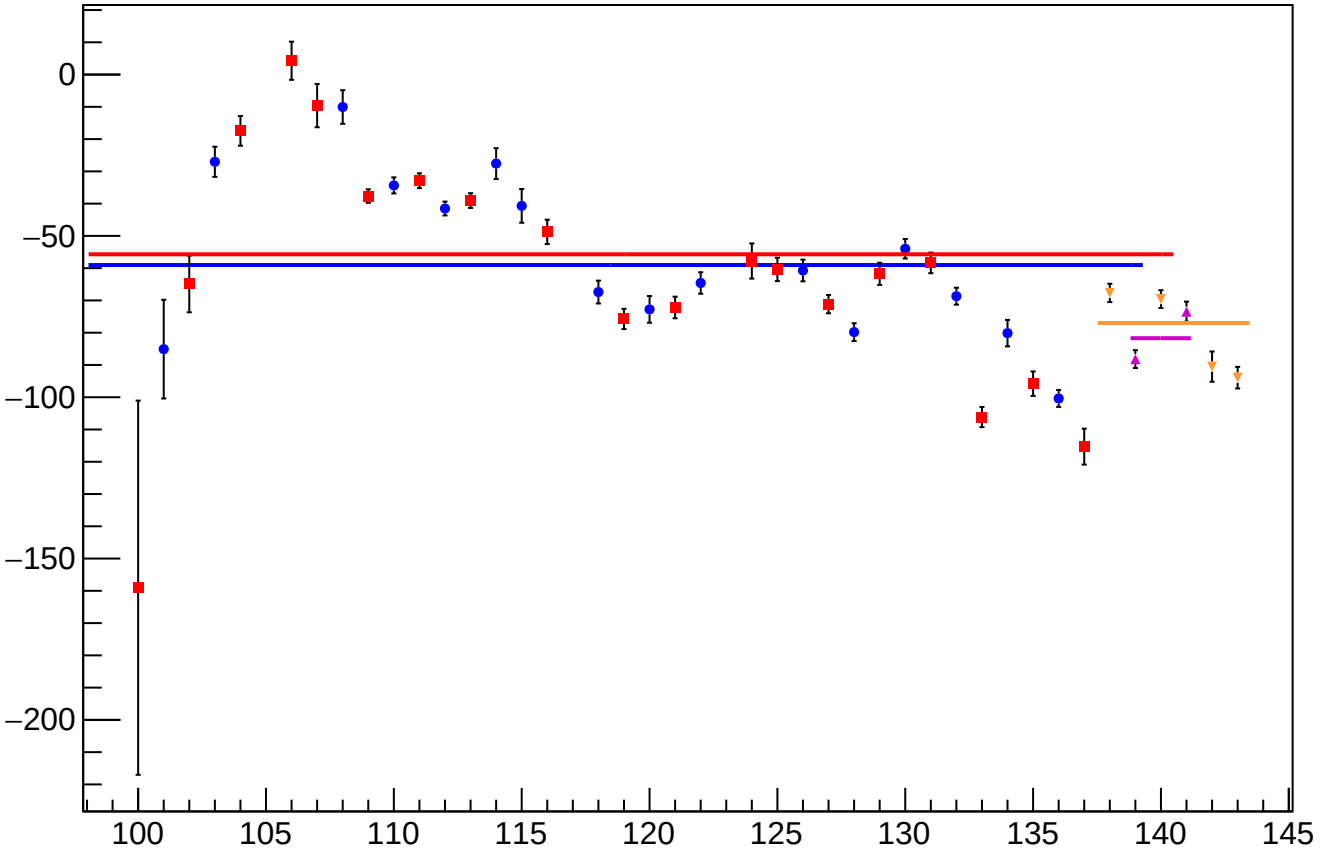
Left In: -308.863+/-0.277 χ^2/NDF:2701.2/1

+ sign -203.659+/-0.110 χ^2/NDF: 838288.2/19

All: -217.259+/-0.082 χ^2/NDF: 1047276.4/40

- sign -233.527+/-0.121 χ^2/NDF: 175706.4/20

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -77.000+/-1.603 χ^2/NDF:51.8/3

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

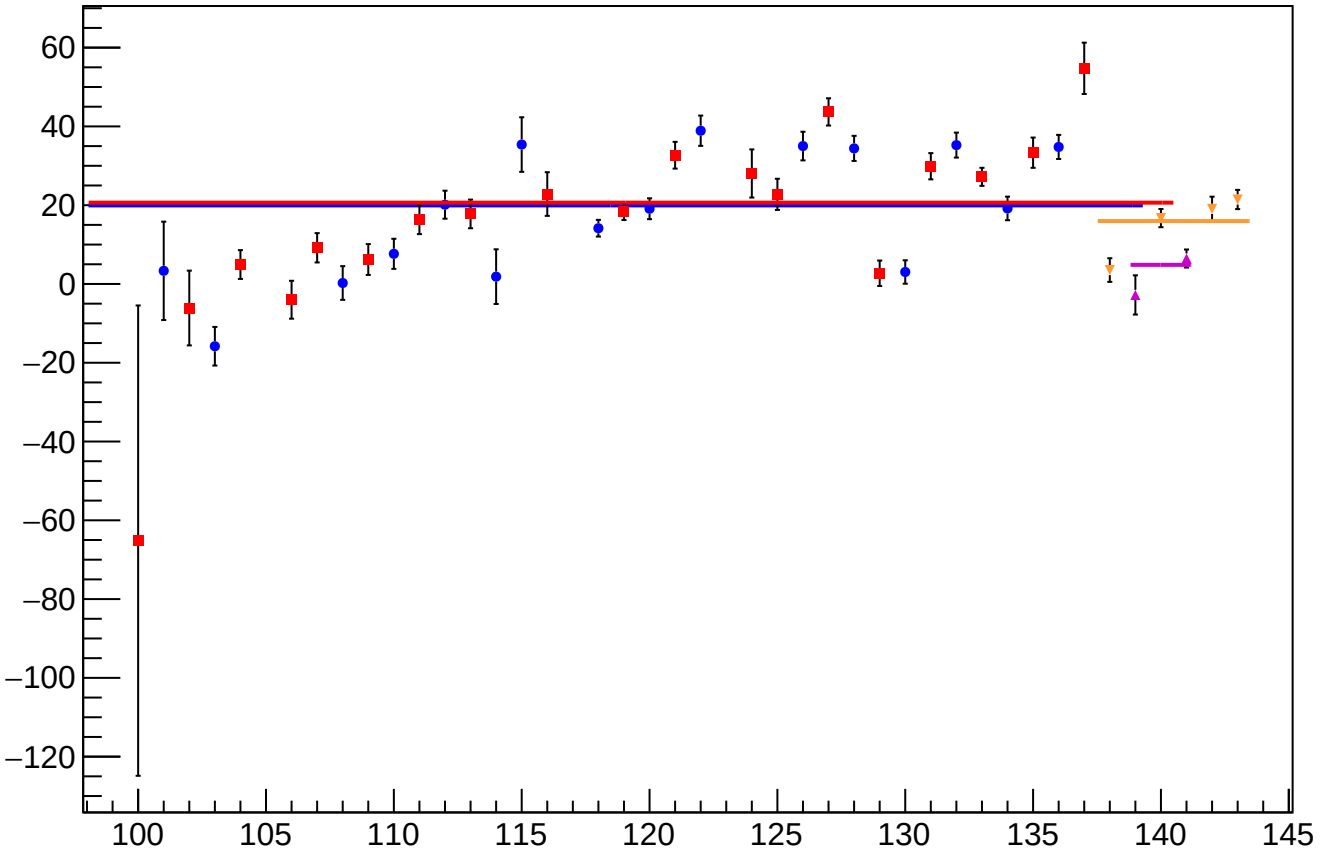
Left In: -81.702+/-2.066 χ^2/NDF:12.5/1

+ sign -62.824+/-0.737 χ^2/NDF: 878.3/19

All: -60.924+/-0.521 χ^2/NDF: 2083.4/40

- sign -59.017+/-0.738 χ^2/NDF: 1191.8/20

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 15.977+/-1.323 χ^2/NDF:23.3/3

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

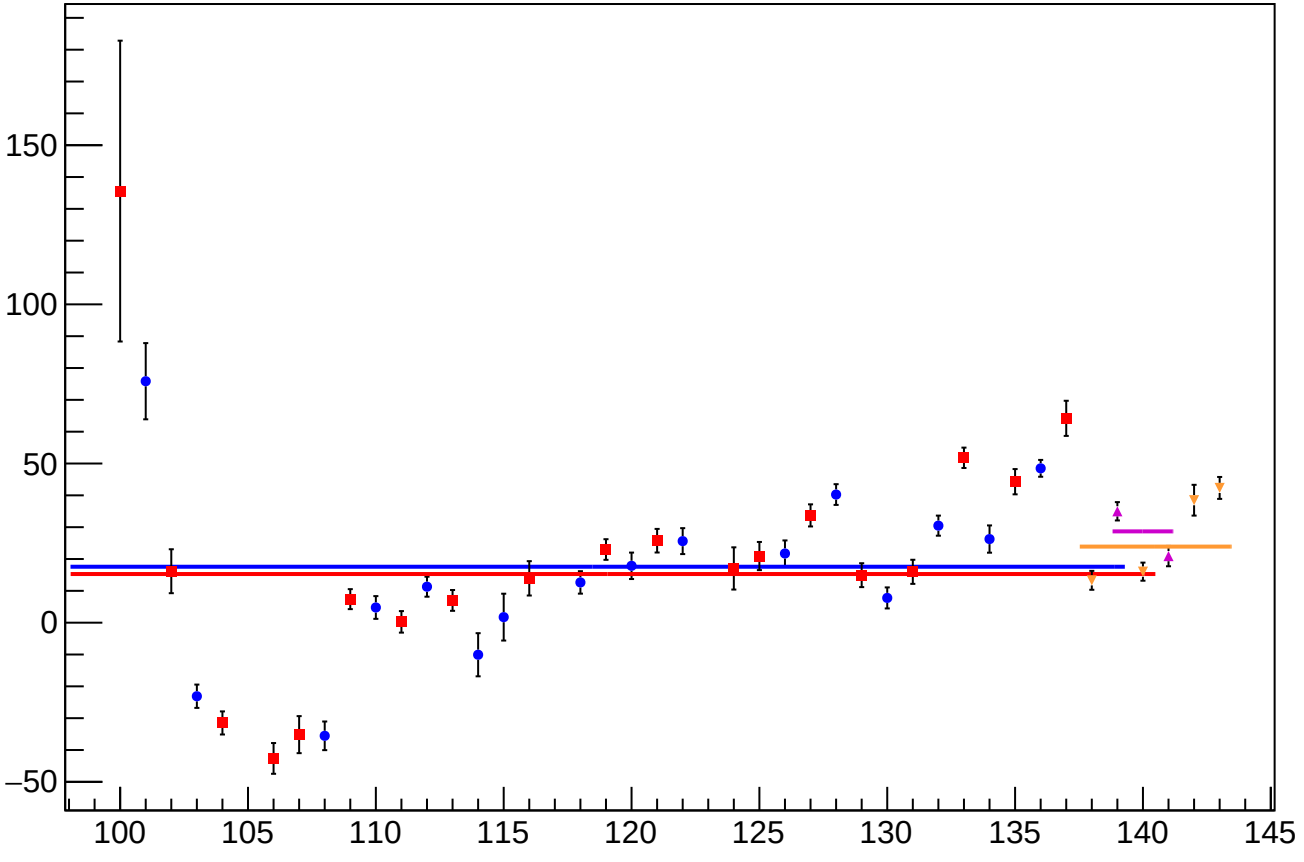
Left In: 4.851+/-2.079 χ^2/NDF:2.8/1

+ sign 18.753+/-0.725 χ^2/NDF: 276.8/19

All: 18.594+/-0.532 χ^2/NDF: 554.1/40

- sign 18.410+/-0.782 χ^2/NDF: 277.1/20

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 23.901+/-1.657 χ^2/NDF:58.1/3

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

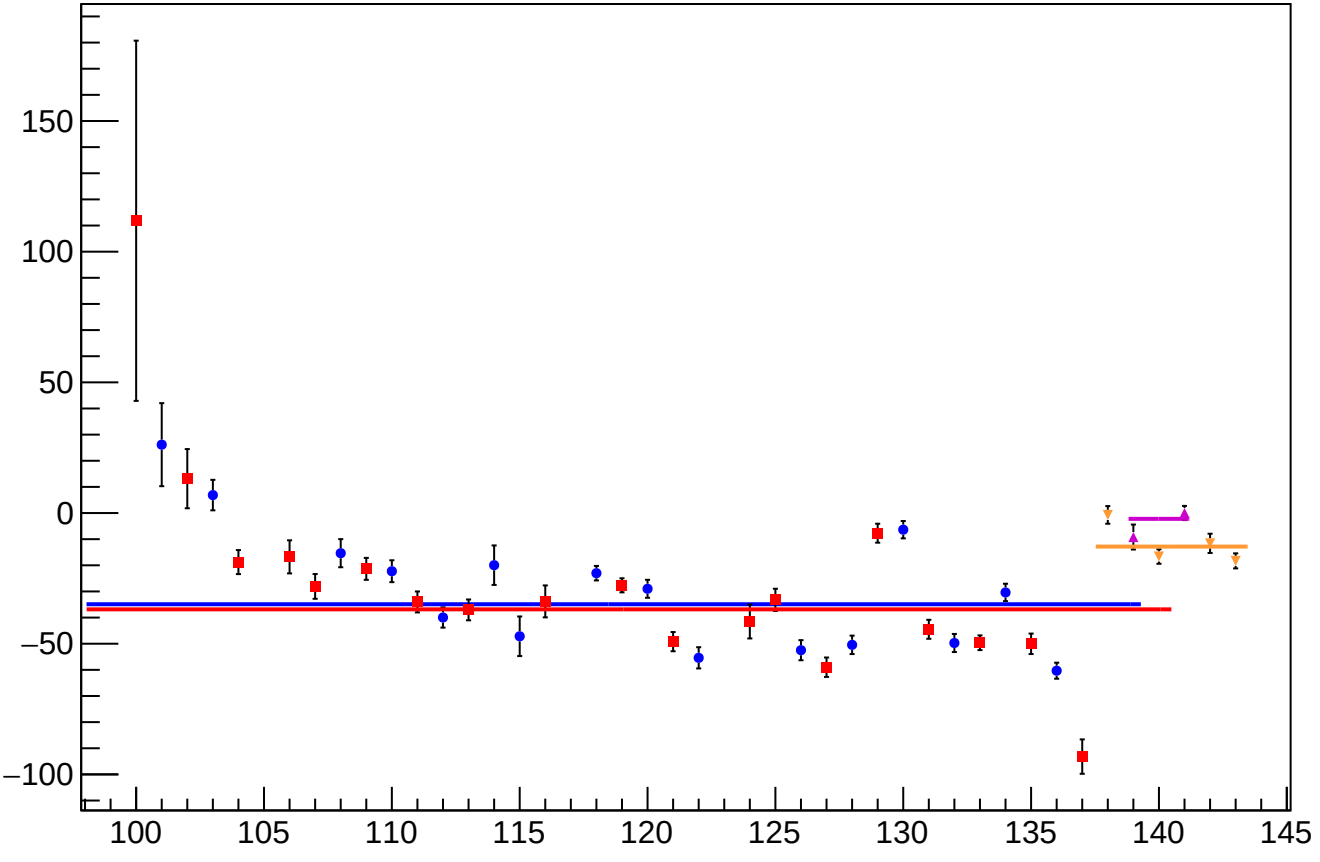
Left In: 28.679+/-2.138 χ^2/NDF:10.7/1

+ sign 19.156+/-0.828 χ^2/NDF: 615.2/19

All: 18.321+/-0.595 χ^2/NDF: 1391.1/40

- sign 17.429+/-0.856 χ^2/NDF: 773.7/20

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -12.839+/-1.556 χ^2/NDF:18.5/3

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

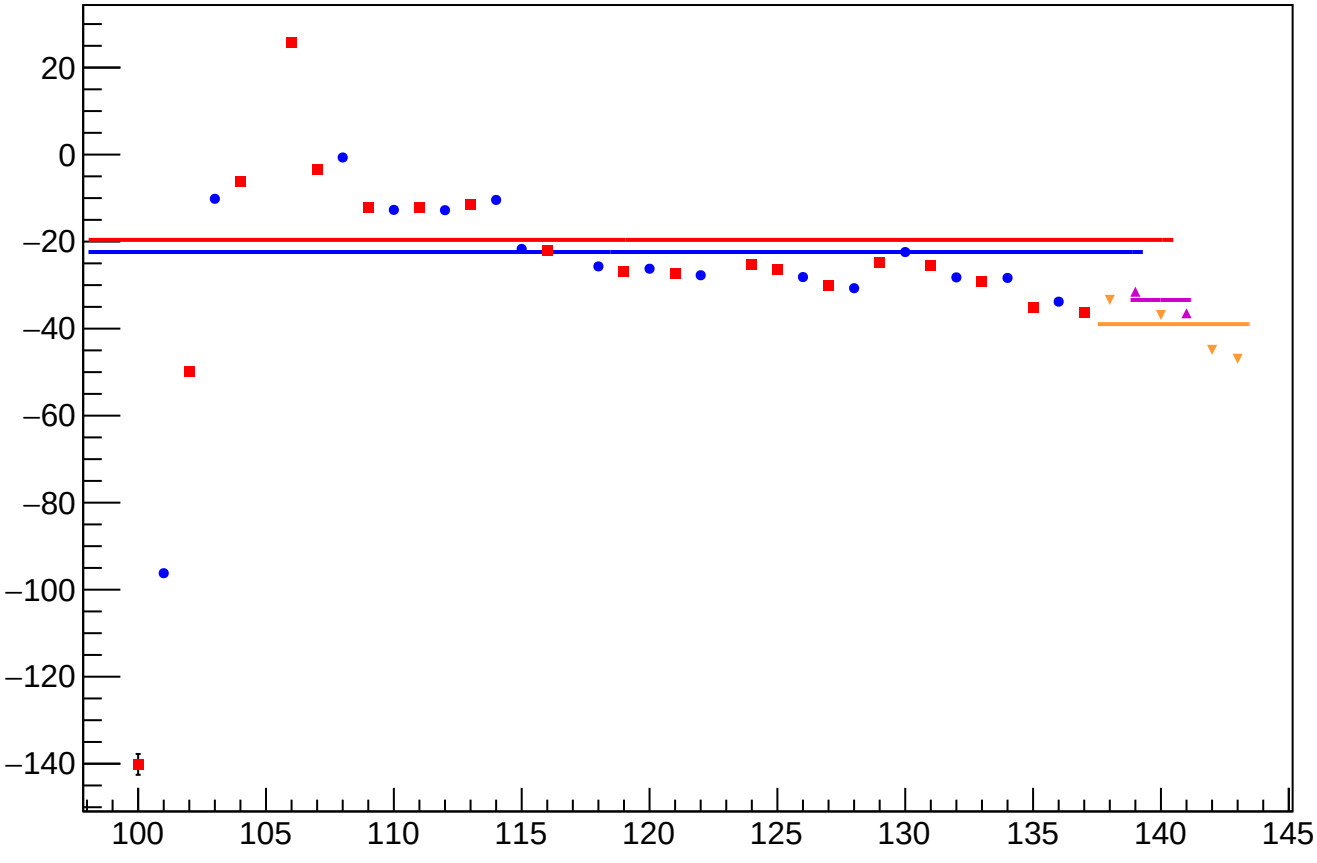
Left In: -2.226+/-2.359 χ^2/NDF:2.8/1

+ sign -28.540+/-0.835 χ^2/NDF: 508.2/19

All: -30.078+/-0.611 χ^2/NDF: 1004.0/40

- sign -31.850+/-0.897 χ^2/NDF: 488.6/20

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -38.966+/-0.069 χ^2/NDF:6551.2/3

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

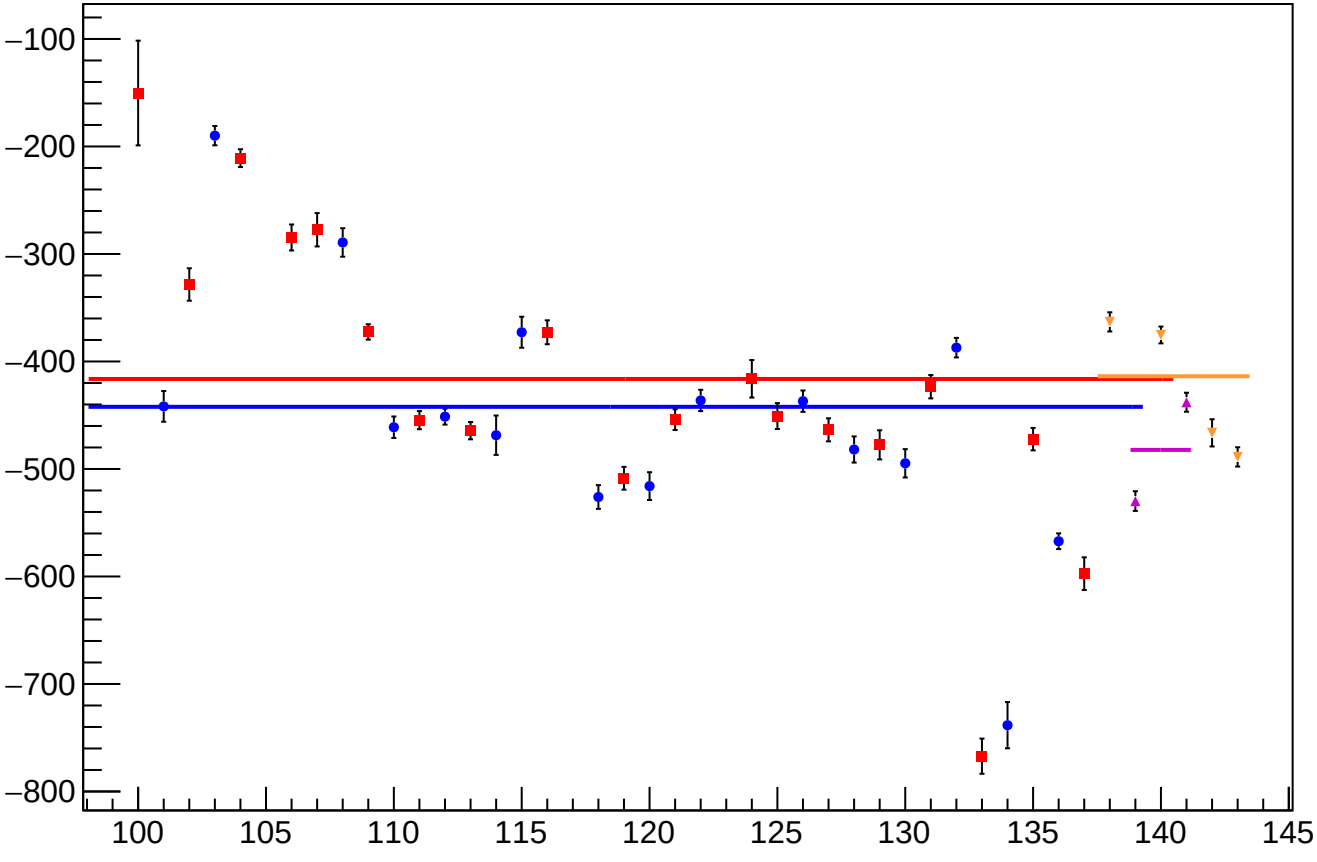
Left In: -33.413+/-0.081 χ^2/NDF:890.6/1

+ sign -29.307+/-0.044 χ^2/NDF: 86793.5/19

All: -27.063+/-0.033 χ^2/NDF: 196033.7/40

- sign -24.468+/-0.048 χ^2/NDF: 103755.8/20

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -413.754+/-4.585 χ^2/NDF:143.6/3

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

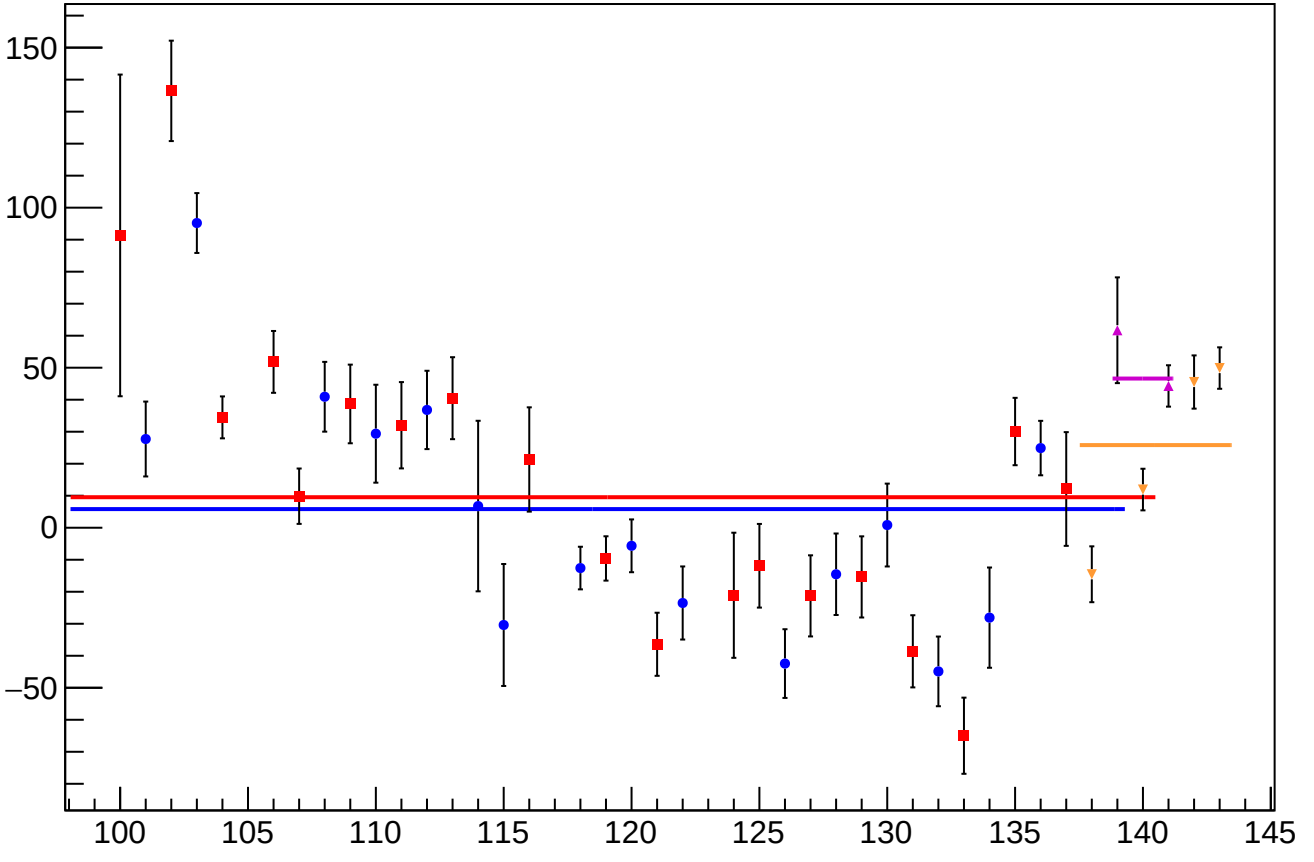
Left In: -482.245+/-6.369 χ^2/NDF:52.0/1

\+ sign -434.937+/-2.315 χ^2/NDF: 1761.3/19

All: -430.135+/-1.648 χ^2/NDF: 3668.6/40

\- sign -425.205+/-2.345 χ^2/NDF: 1898.6/20

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 25.819+/-3.649 χ^2/NDF:45.4/3

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

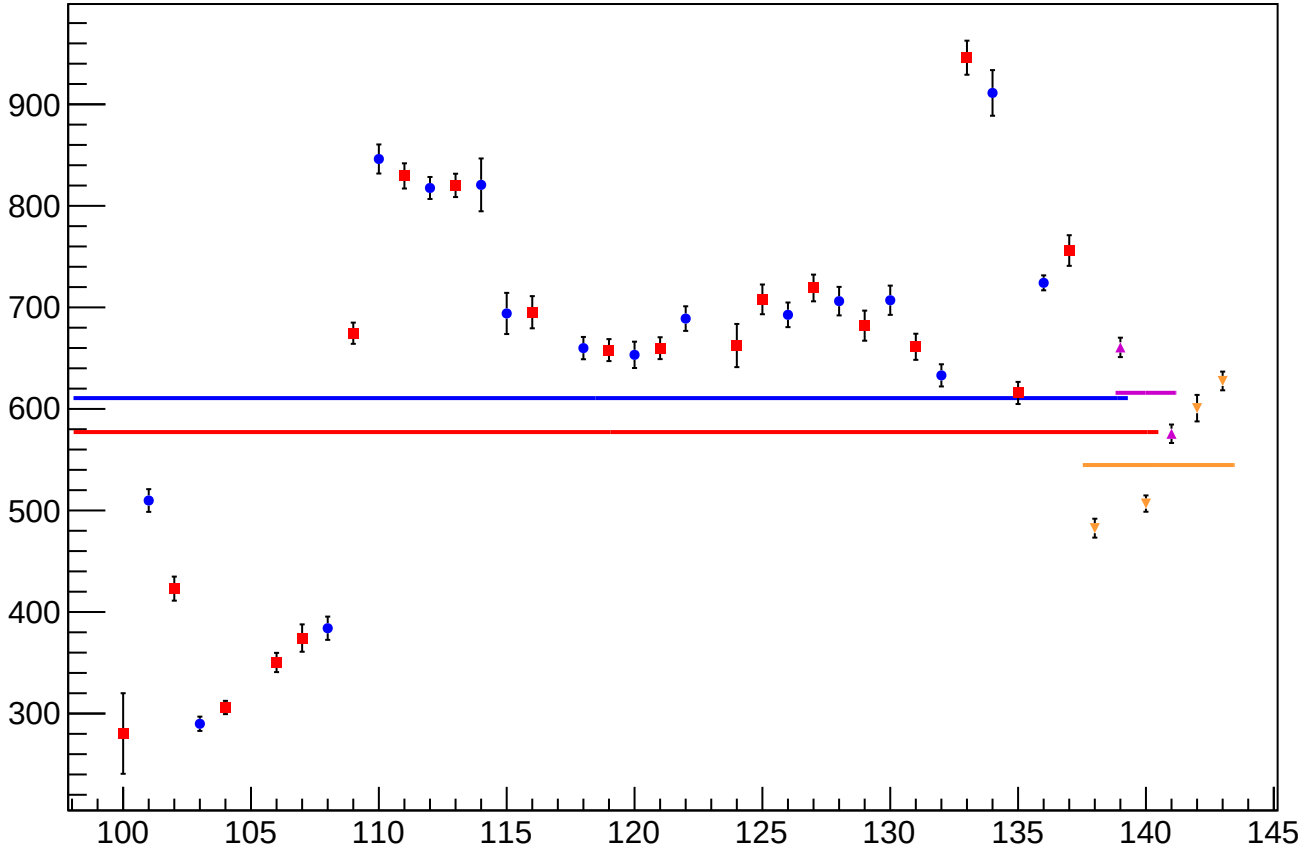
Left In: 46.610+/-6.021 χ^2/NDF:1.0/1

+ sign 12.993+/-2.185 χ^2/NDF: 252.8/19

All: 14.014+/-1.601 χ^2/NDF: 508.5/40

- sign 15.198+/-2.353 χ^2/NDF: 255.2/20

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 544.752+/-4.734 χ^2/NDF:165.9/3

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

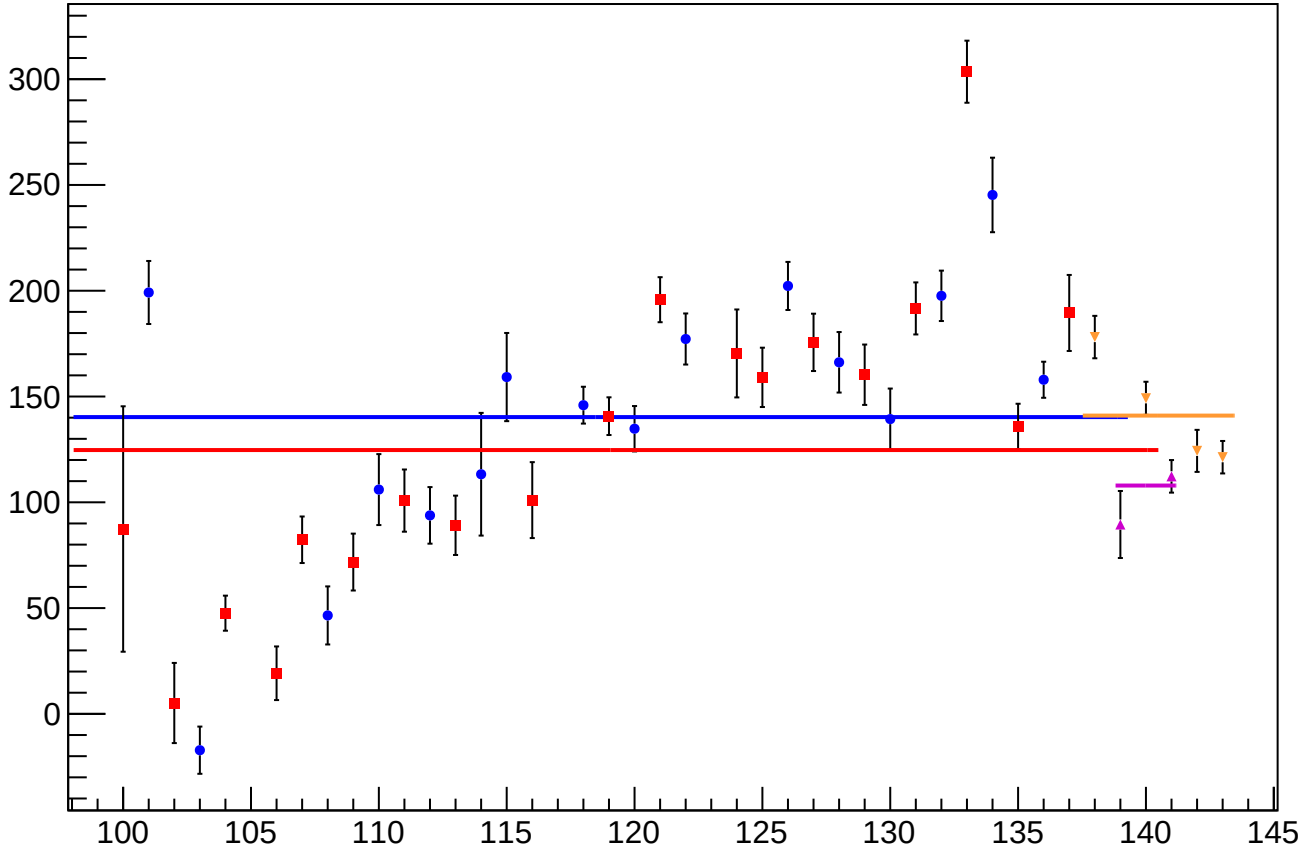
Left In: 615.878+/-6.584 χ^2/NDF:41.6/1

\+ sign 592.751+/-2.468 χ^2/NDF: 4199.6/19

All: 588.003+/-1.771 χ^2/NDF: 9078.5/40

\- sign 582.968+/-2.541 χ^2/NDF: 4871.3/20

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 140.986+/-4.327 χ^2/NDF:24.2/3

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

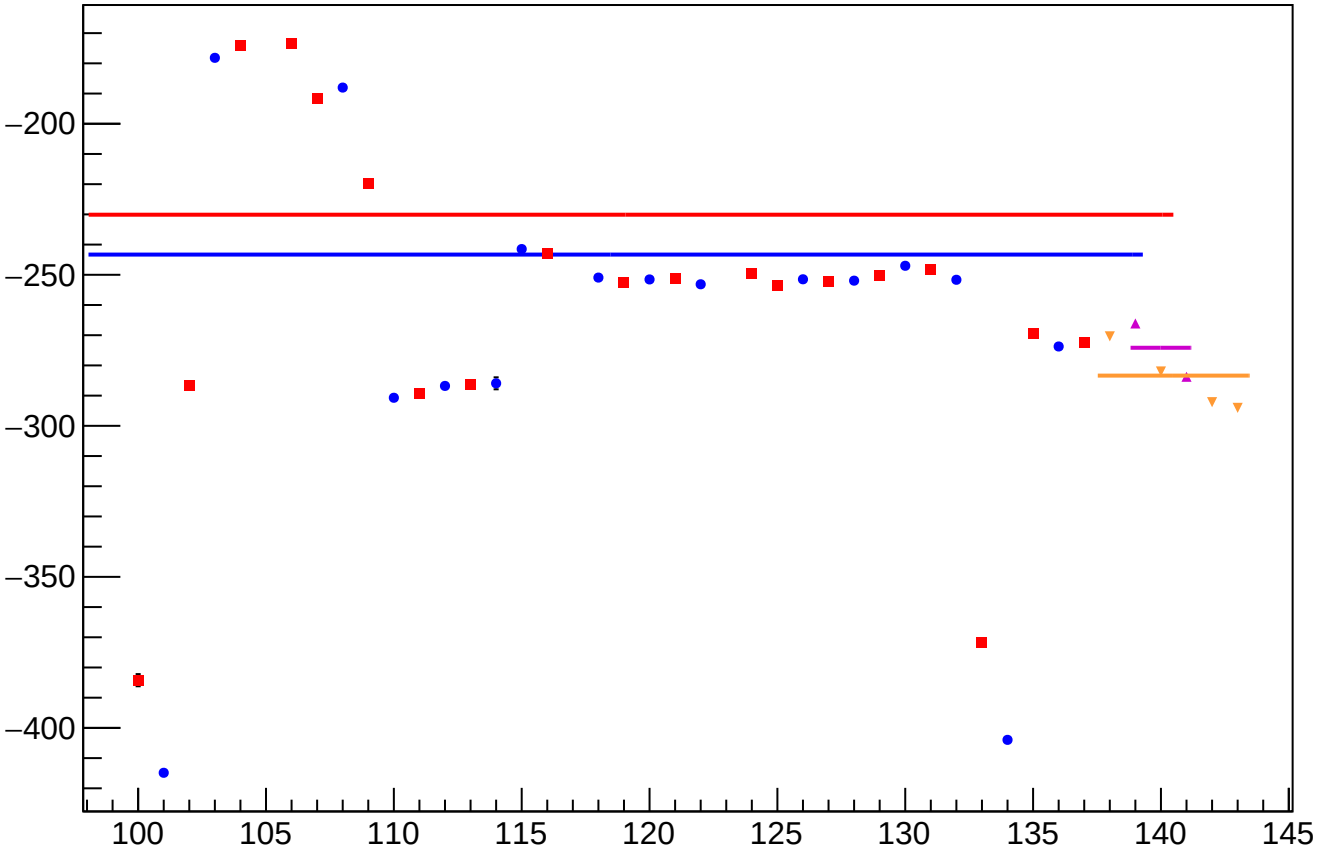
Left In: 107.923+/-6.924 χ^2/NDF:1.7/1

+ sign 140.524+/-2.547 χ^2/NDF: 409.6/19

All: 131.959+/-1.864 χ^2/NDF: 949.1/40

- sign 122.077+/-2.736 χ^2/NDF: 515.2/20

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -283.376+/-0.200 χ^2/NDF:2254.2/3

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

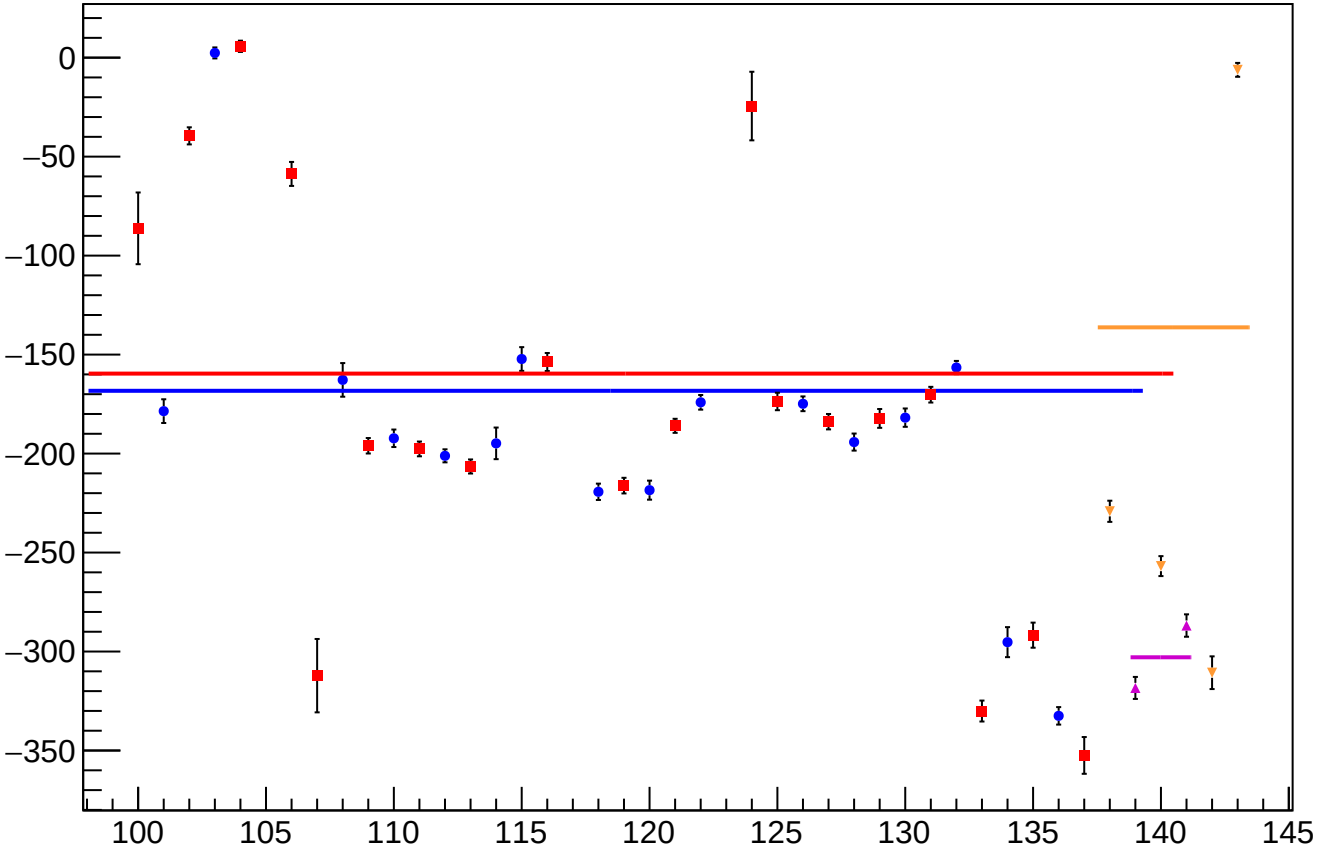
Left In: -274.157+/-0.252 χ^2/NDF:1218.7/1

+ sign -259.284+/-0.126 χ^2/NDF: 199979.2/19

All: -251.365+/-0.092 χ^2/NDF: 334040.1/40

- sign -242.486+/-0.133 χ^2/NDF: 125684.9/20

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -136.241+/-2.424 χ^2/NDF:2695.0/3

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

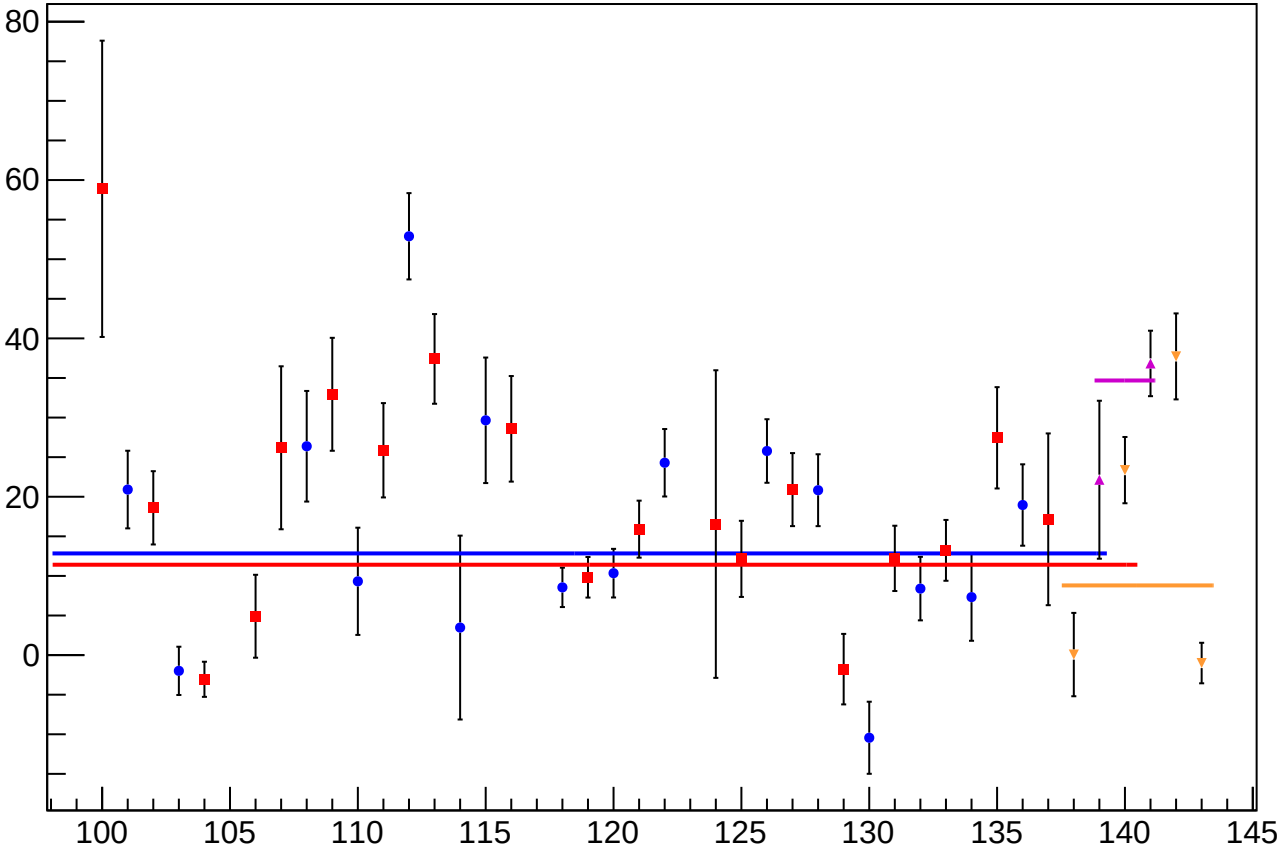
Left In: -302.909+/-3.965 χ^2/NDF:15.8/1

+ sign -163.016+/-0.983 χ^2/NDF: 8748.7/19

All: -165.867+/-0.704 χ^2/NDF: 17201.3/40

- sign -168.864+/-1.008 χ^2/NDF: 8435.4/20

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 8.800+/-1.891 χ^2/NDF:57.9/3

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

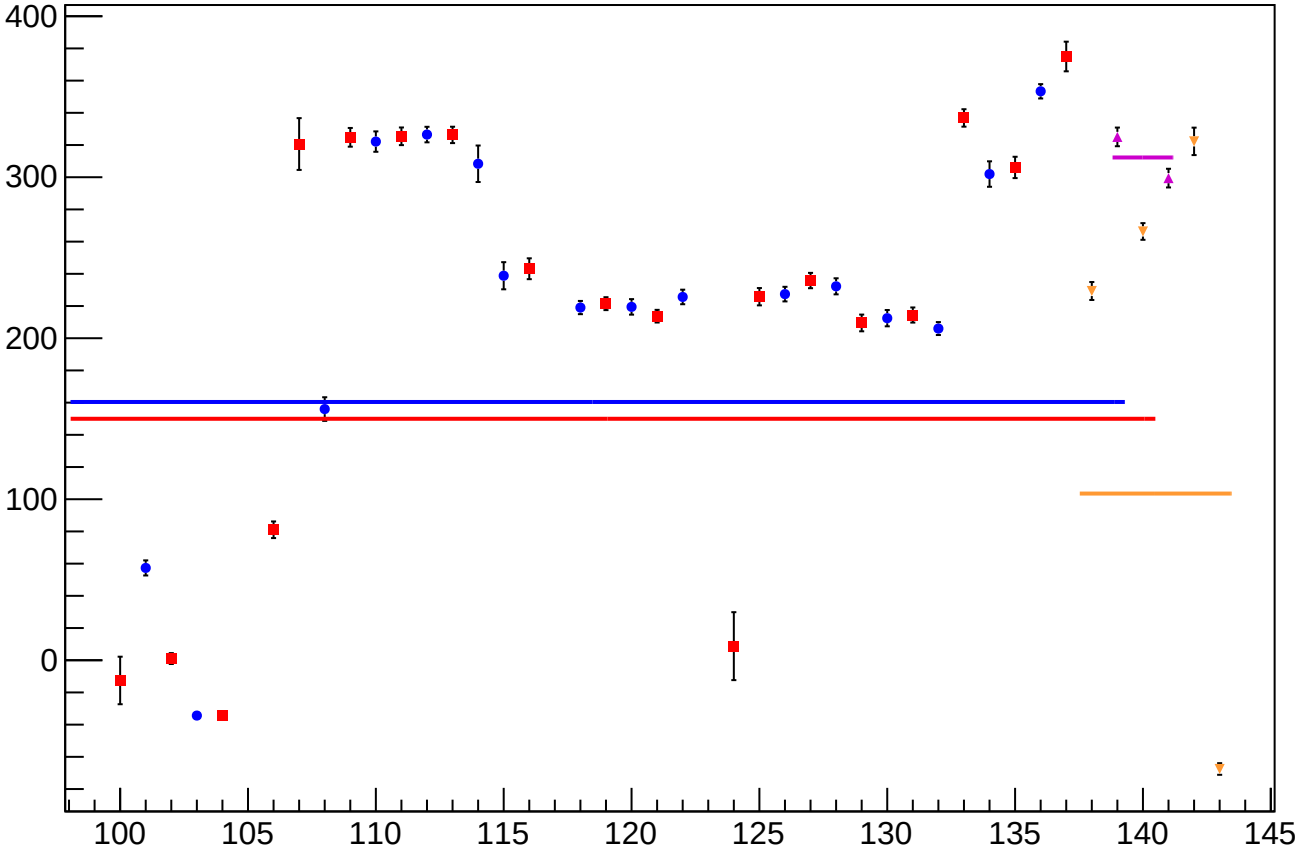
Left In: 34.684+/-3.820 χ^2/NDF:1.8/1

+ sign 11.852+/-0.935 χ^2/NDF: 205.1/19

All: 12.391+/-0.683 χ^2/NDF: 361.8/40

- sign 13.007+/-0.999 χ^2/NDF: 156.0/20

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 103.522+/-2.500 χ^2/NDF:4401.9/3

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

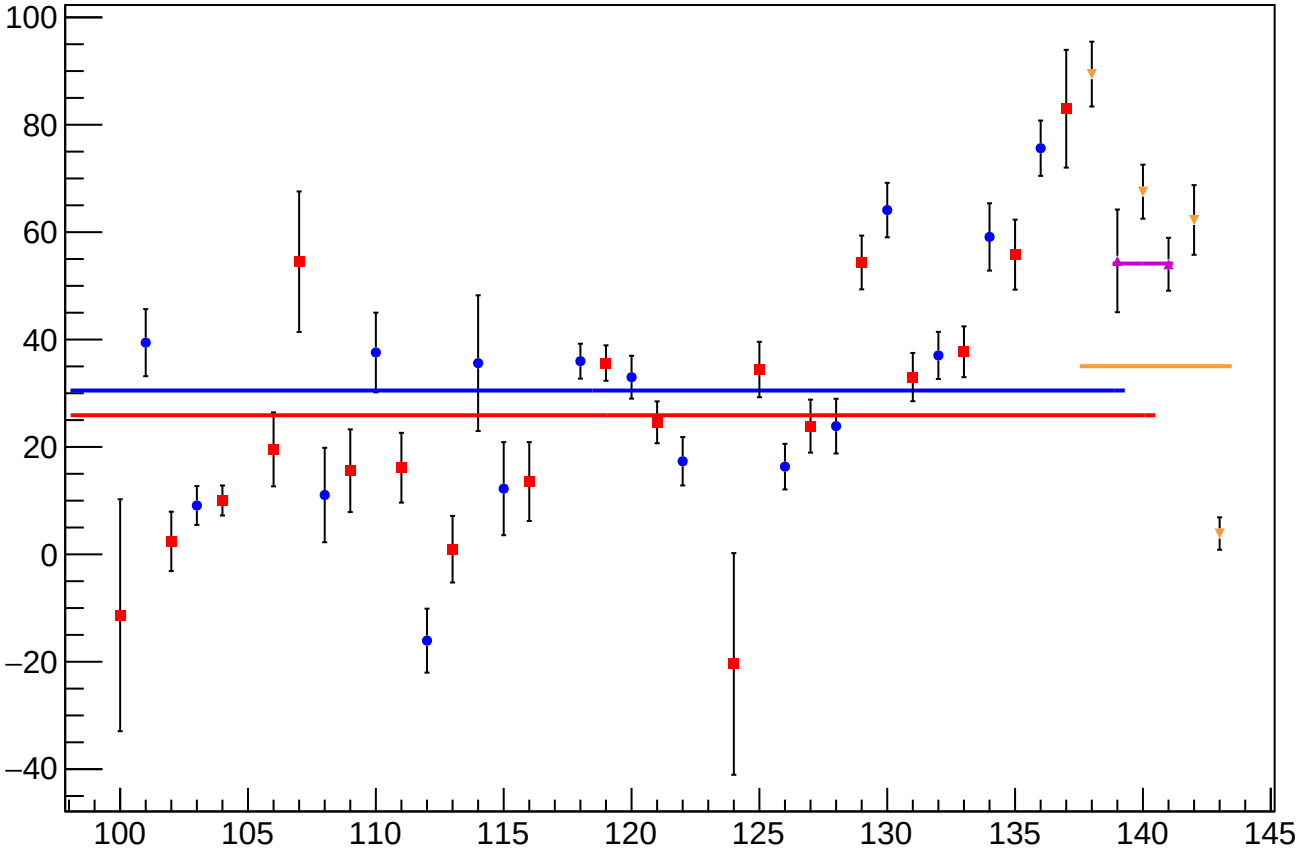
Left In: 312.264+/-4.102 χ^2/NDF:9.7/1

+ sign 150.631+/-1.037 χ^2/NDF: 18780.3/19

All: 155.652+/-0.744 χ^2/NDF: 36562.9/40

- sign 160.988+/-1.069 χ^2/NDF: 17734.2/20

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 35.037+/-2.233 χ^2/NDF:247.3/3

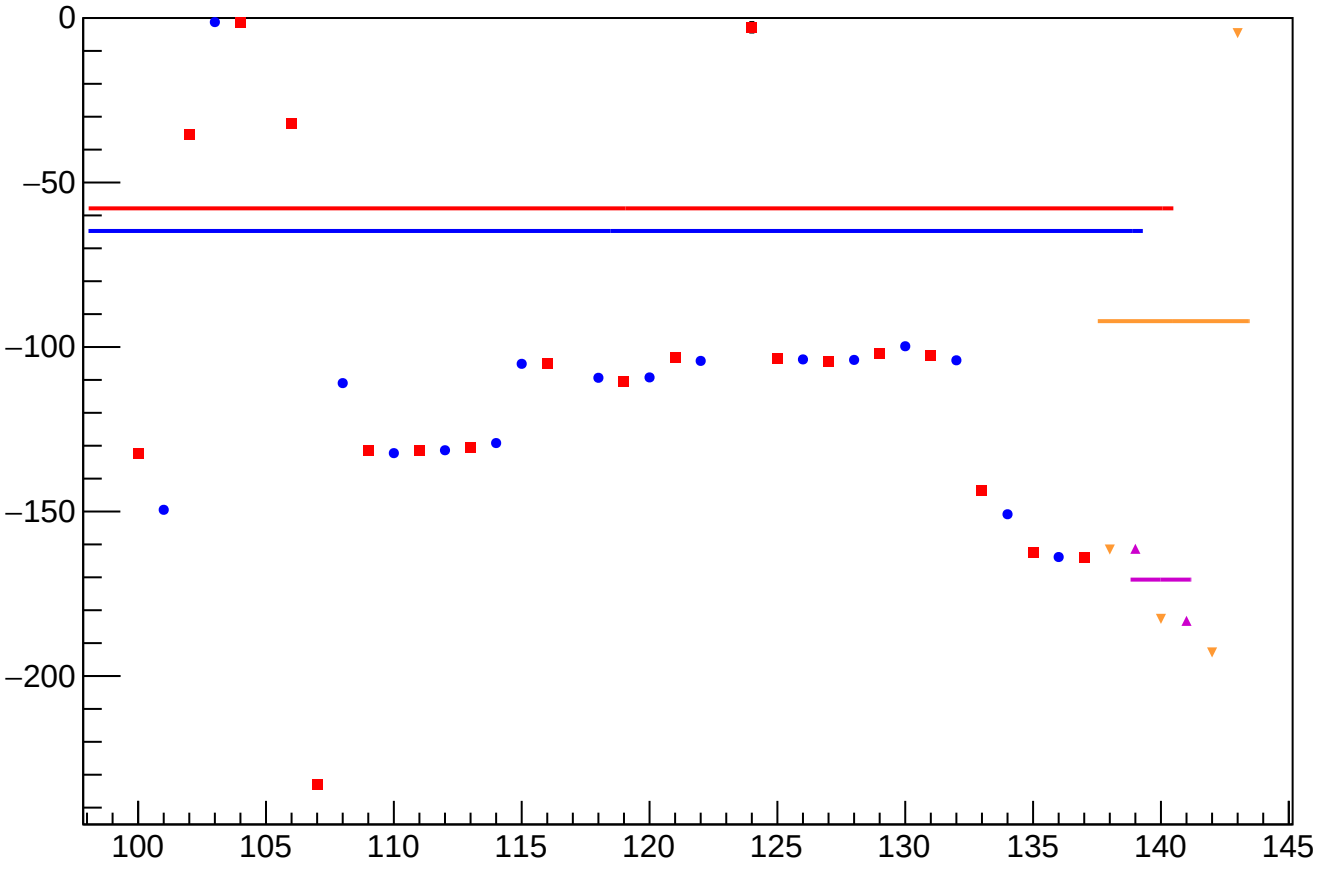
Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 54.154+/-4.376 χ^2/NDF:0.0/1

+ sign 31.596+/-1.094 χ^2/NDF: 527.3/19

All: 29.880+/-0.799 χ^2/NDF: 759.1/40

- sign 27.919+/-1.169 χ^2/NDF: 226.5/20



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -92.137+/-0.105 χ^2/NDF:673553.0/3

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

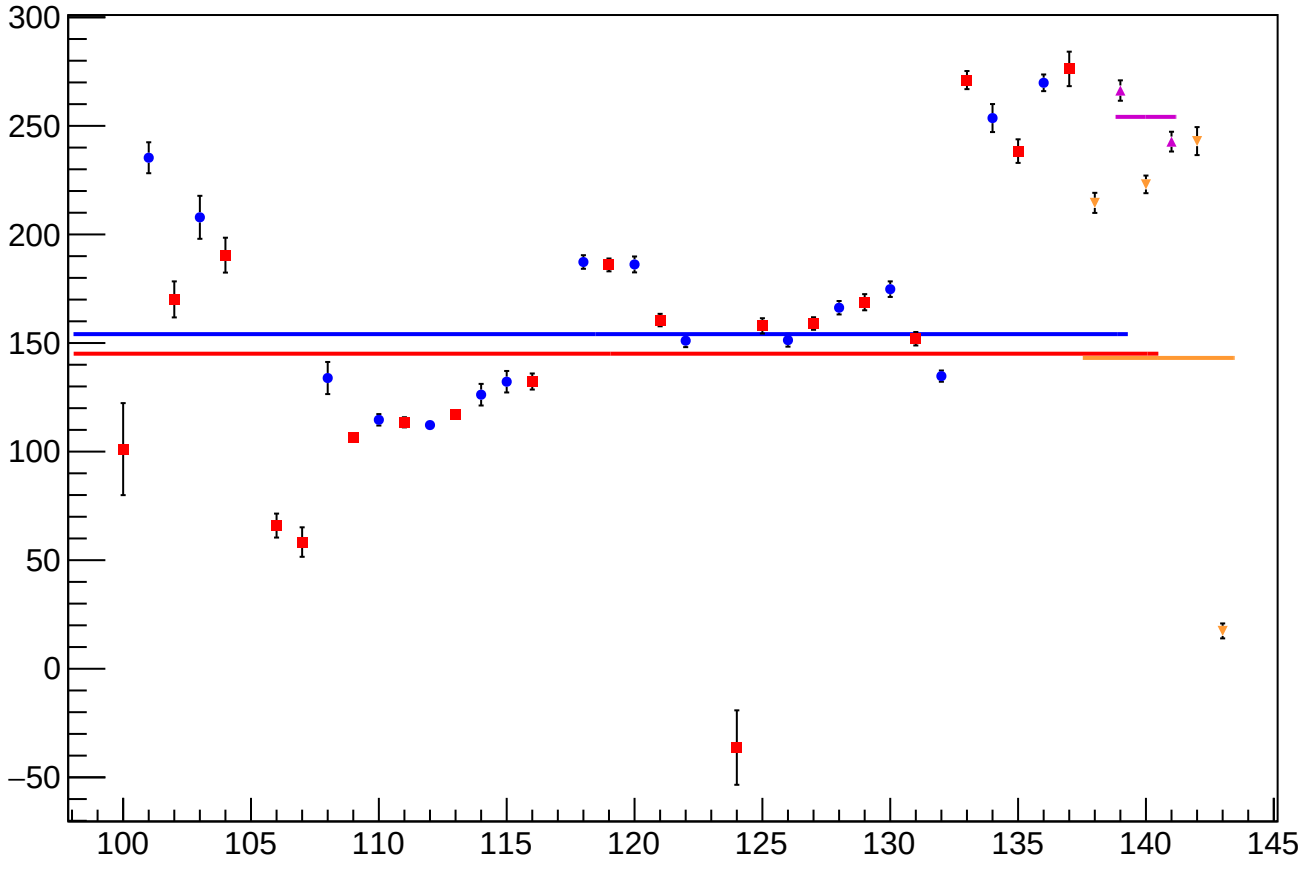
Left In: -170.699+/-0.156 χ^2/NDF:4832.6/1

+ sign -72.155+/-0.054 χ^2/NDF: 1768034.9/19

All: -72.710+/-0.040 χ^2/NDF: 3101047.5/40

- sign -73.332+/-0.058 χ^2/NDF: 1332792.7/20

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 143.141+/-2.153 χ^2/NDF:2197.6/3

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

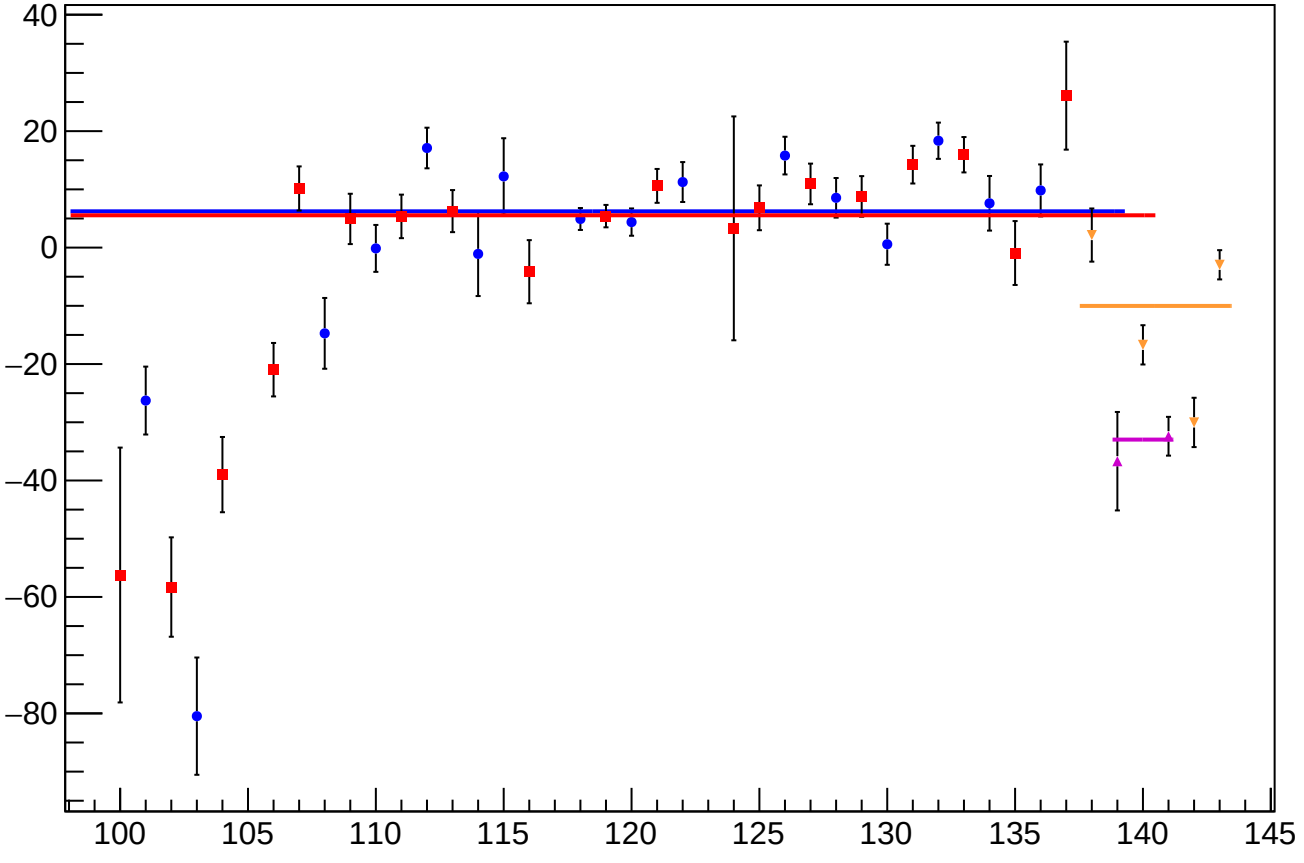
Left In: 254.144+/-3.270 χ^2/NDF:12.9/1

+ sign 152.561+/-0.806 χ^2/NDF: 4501.0/19

All: 152.090+/-0.568 χ^2/NDF: 8518.7/40

- sign 151.626+/-0.801 χ^2/NDF: 4017.0/20

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -10.017+/-1.690 χ^2/NDF:41.3/3

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

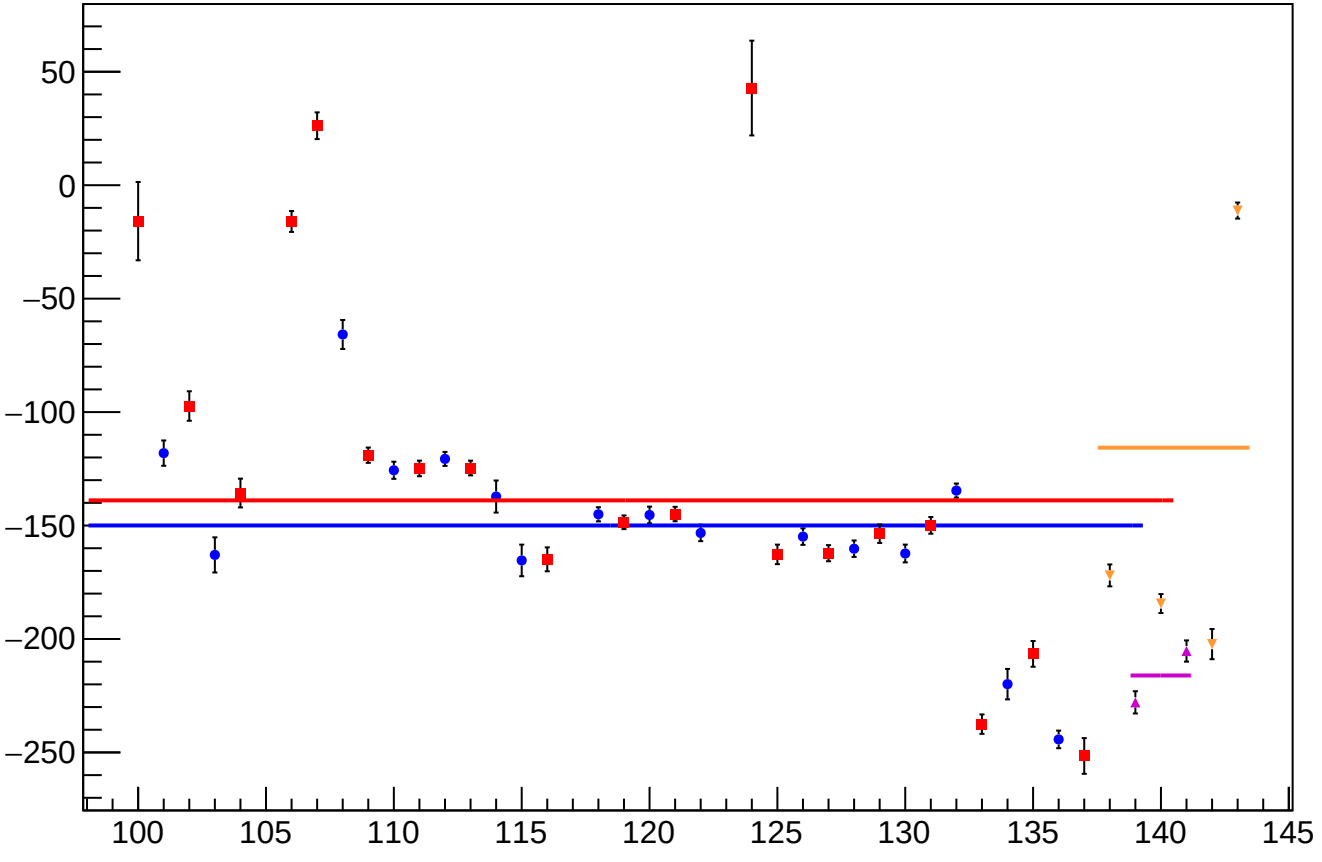
Left In: -32.974+/-3.099 χ^2/NDF:0.2/1

+ sign 2.702+/-0.788 χ^2/NDF: 275.7/19

All: 2.663+/-0.579 χ^2/NDF: 599.8/40

- sign 2.616+/-0.855 χ^2/NDF: 324.1/20

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -115.679+/-2.221 χ^2/NDF:1446.5/3

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

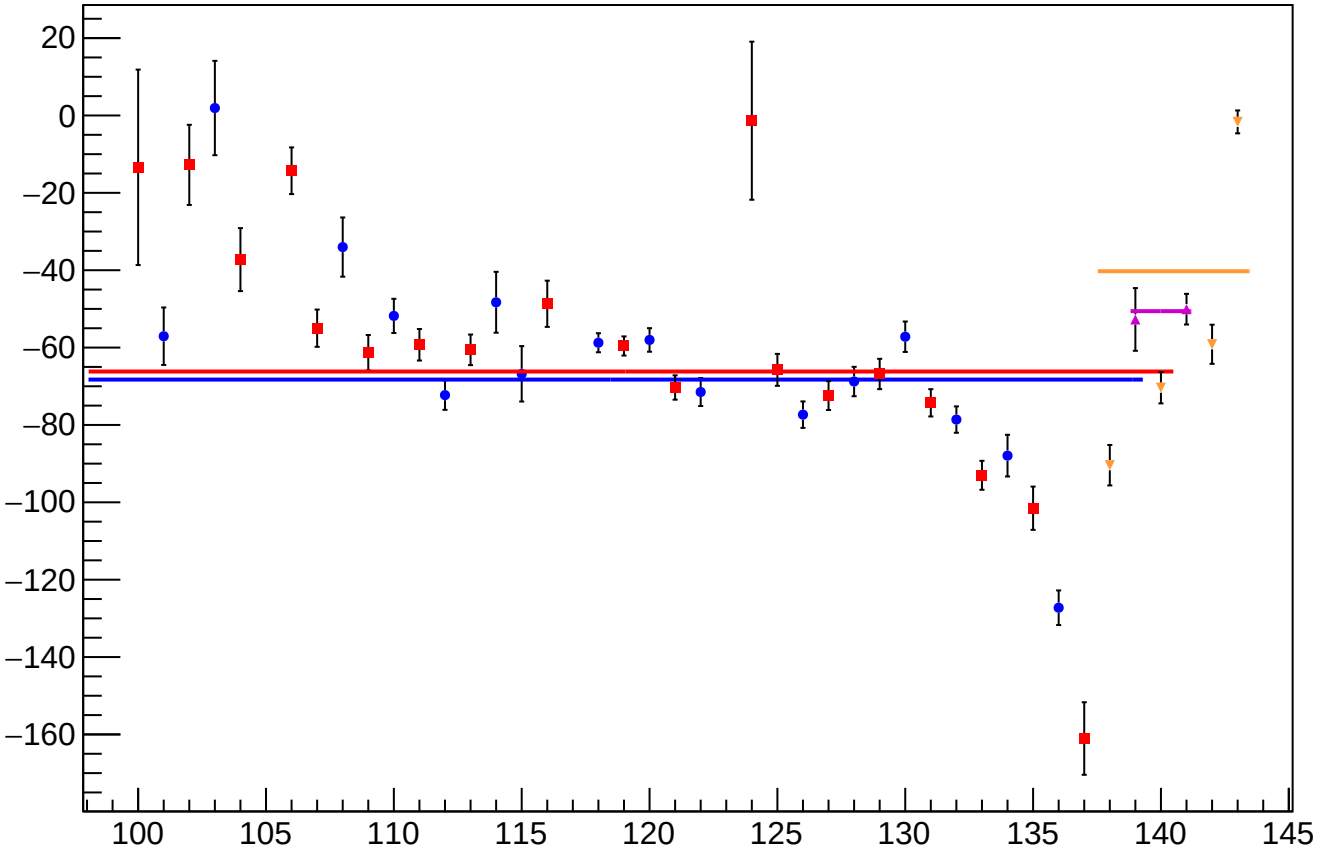
Left In: -216.088+/-3.380 χ^2/NDF:11.2/1

+ sign -143.945+/-0.931 χ^2/NDF: 2742.4/19

All: -144.484+/-0.666 χ^2/NDF: 5985.0/40

- sign -145.049+/-0.953 χ^2/NDF: 3241.9/20

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -40.265+/-1.998 χ^2/NDF:330.8/3

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

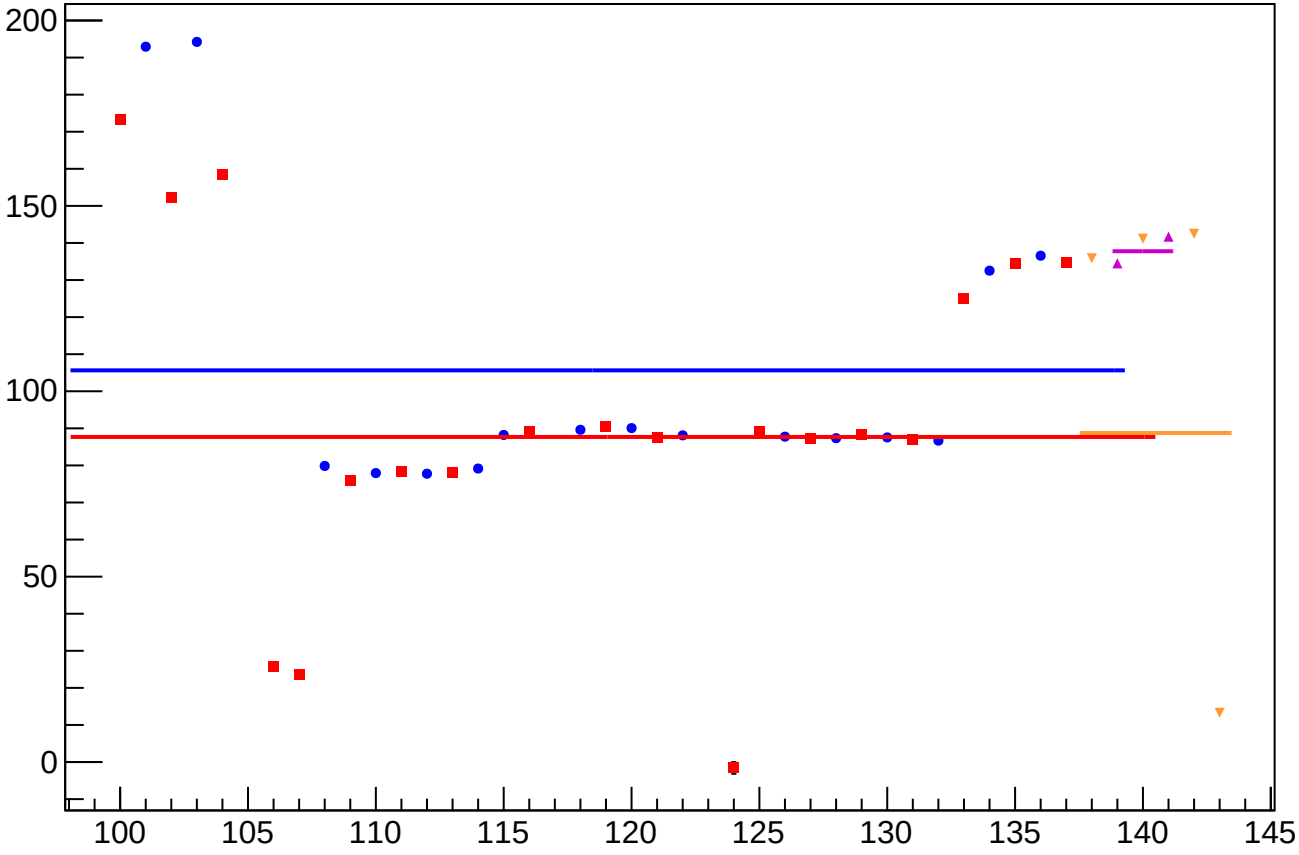
Left In: -50.585+/-3.560 χ^2/NDF:0.1/1

+ sign -62.364+/-0.918 χ^2/NDF: 801.2/19

All: -63.587+/-0.671 χ^2/NDF: 1181.2/40

- sign -64.994+/-0.984 χ^2/NDF: 376.2/20

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 88.753+/-0.093 χ^2/NDF:440542.6/3

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

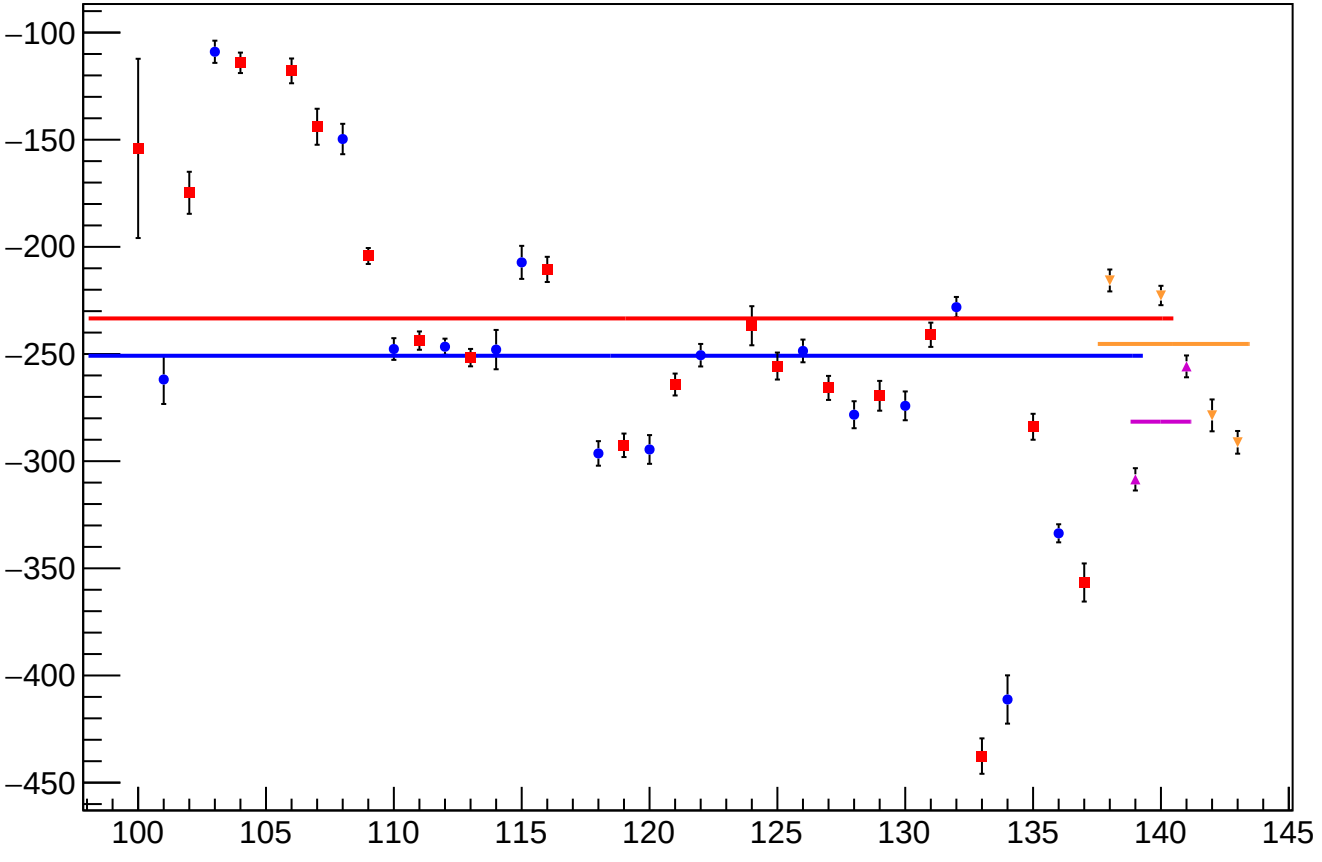
Left In: 137.769+/-0.129 χ^2/NDF:766.7/1

+ sign 99.454+/-0.056 χ^2/NDF: 700974.6/19

All: 98.735+/-0.041 χ^2/NDF: 1196197.6/40

- sign 97.961+/-0.059 χ^2/NDF: 494885.1/20

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -245.296+/-2.663 χ^2/NDF:153.9/3

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

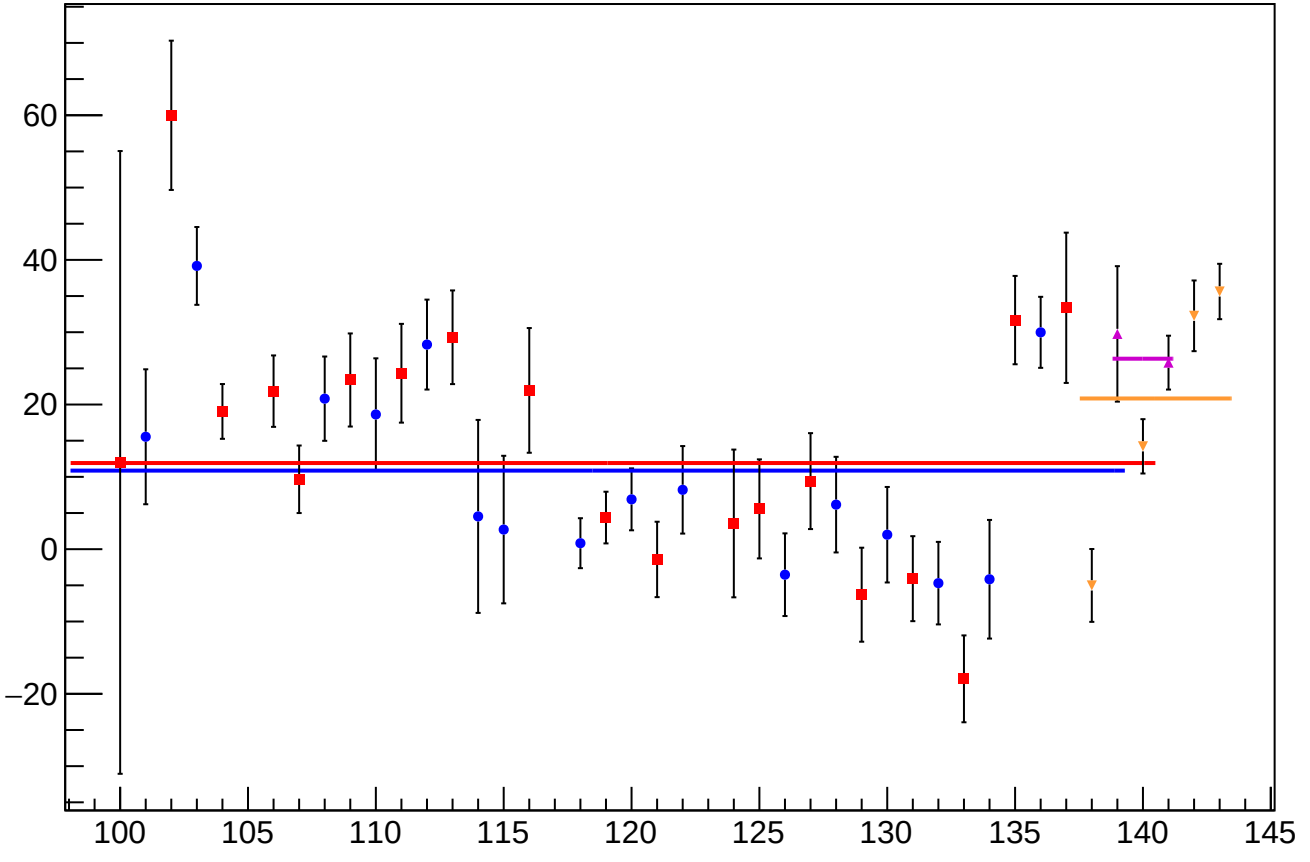
Left In: -281.572+/-3.641 χ^2/NDF:52.4/1

+ sign -249.566+/-1.265 χ^2/NDF: 1892.9/19

All: -244.273+/-0.890 χ^2/NDF: 4512.8/40

- sign -239.091+/-1.252 χ^2/NDF: 2585.2/20

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 20.837+/-2.130 χ^2/NDF:49.9/3

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

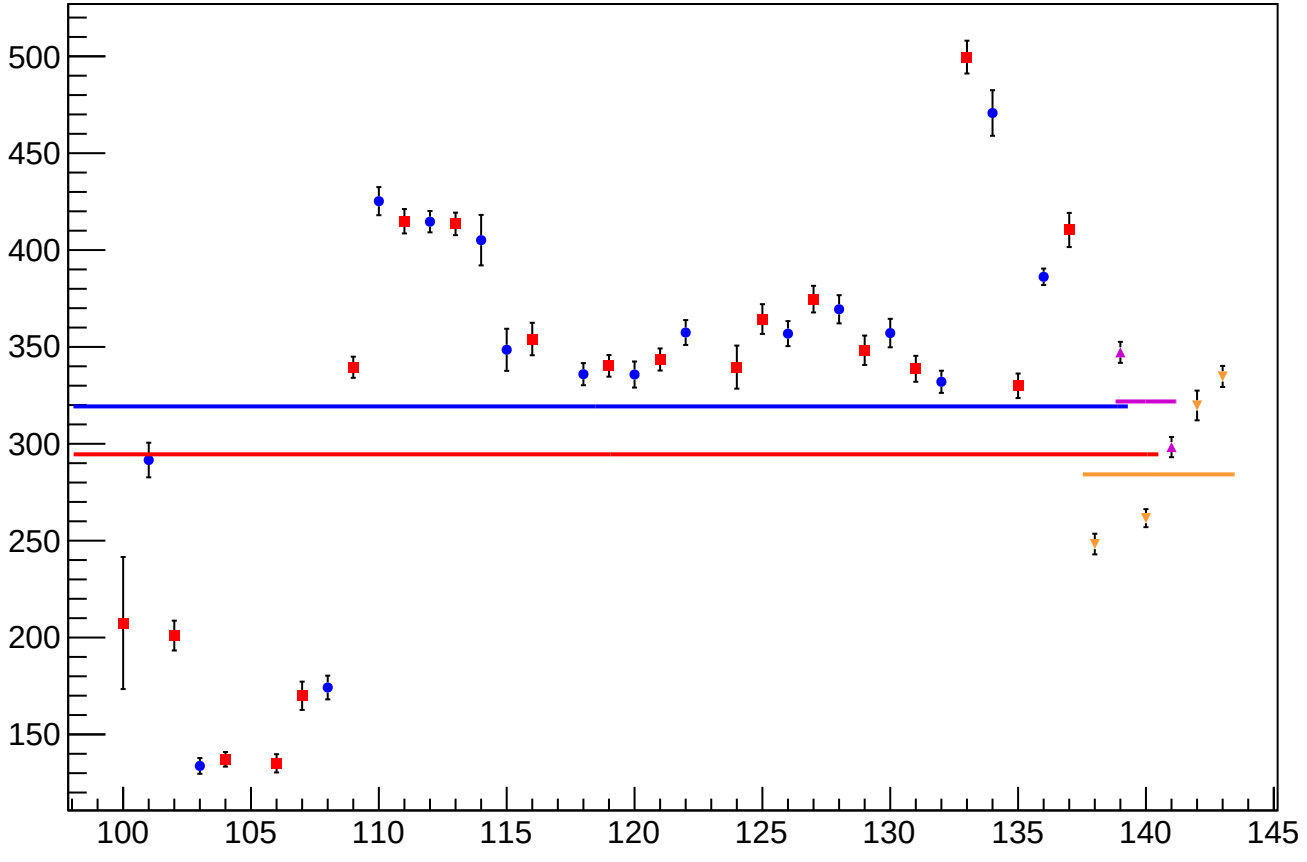
Left In: 26.337+/-3.461 χ^2/NDF:0.2/1

\+ sign 14.083+/-1.210 χ^2/NDF: 149.4/19

All: 13.977+/-0.877 χ^2/NDF: 276.5/40

\- sign 13.860+/-1.272 χ^2/NDF: 127.1/20

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 284.220+/-2.750 χ^2/NDF:176.9/3

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

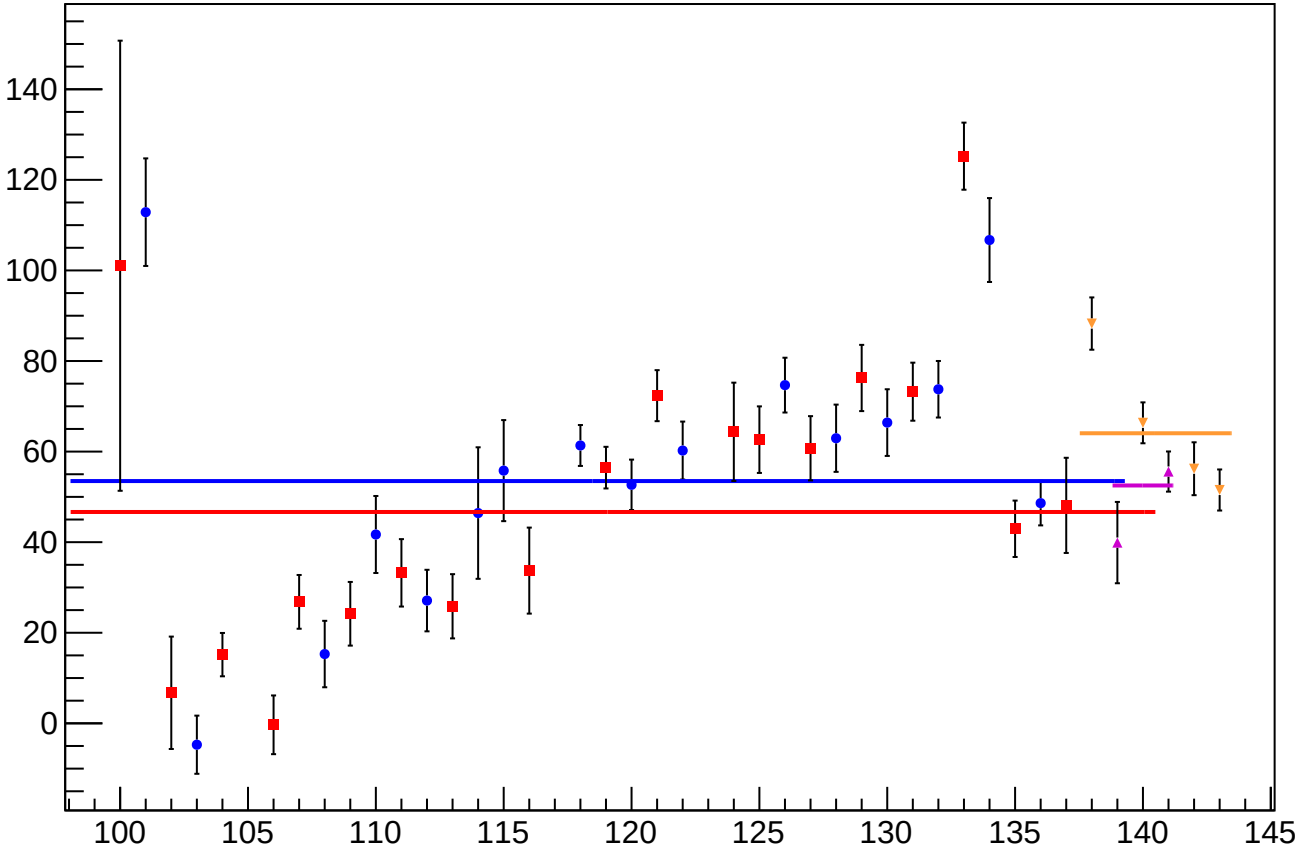
Left In: 321.852+/-3.764 χ^2/NDF:42.1/1

+ sign 310.538+/-1.374 χ^2/NDF: 4091.9/19

All: 304.403+/-0.973 χ^2/NDF: 9722.7/40

- sign 298.226+/-1.379 χ^2/NDF: 5590.8/20

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 64.048+/-2.524 χ^2/NDF:27.3/3

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

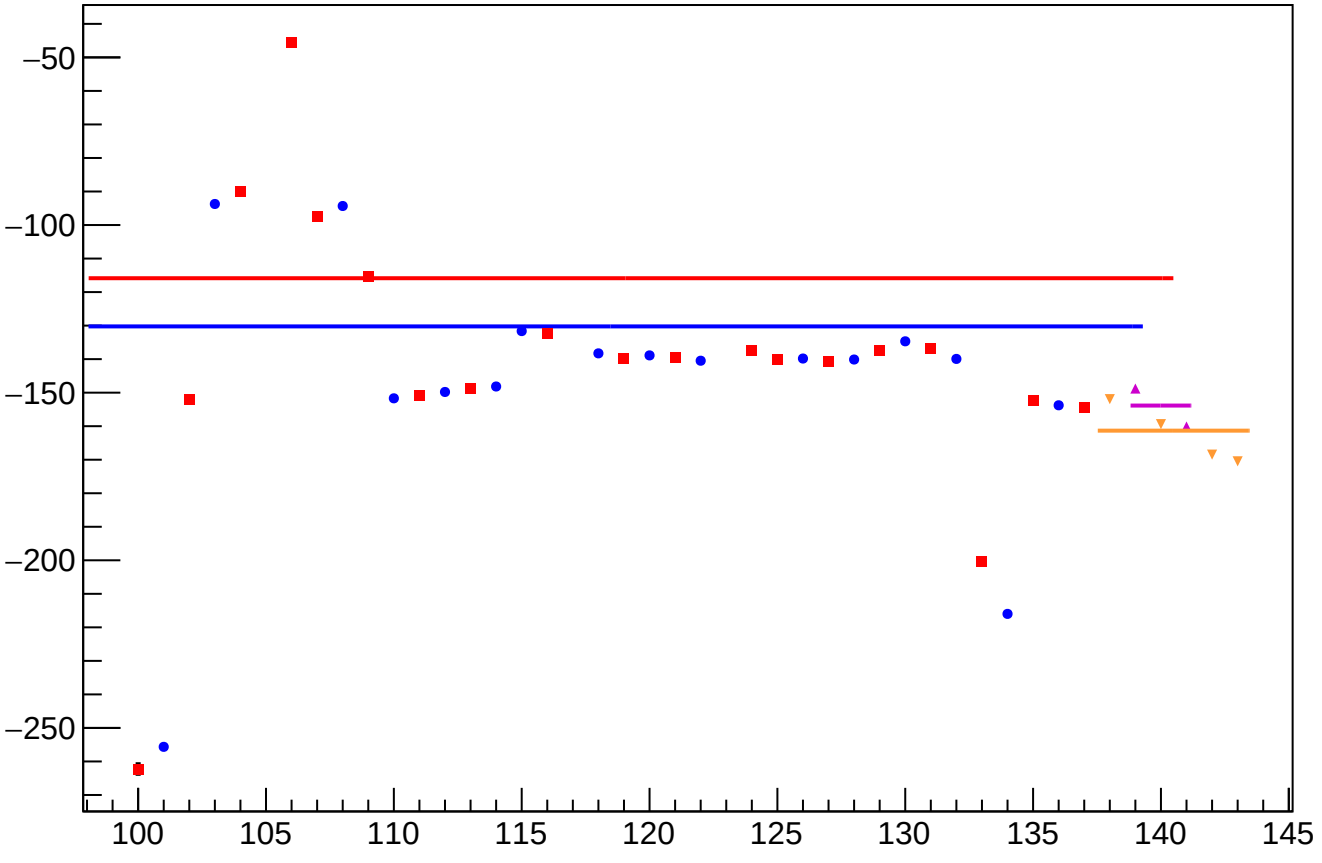
Left In: 52.518+/-3.975 χ^2/NDF:2.5/1

+ sign 56.785+/-1.409 χ^2/NDF: 256.6/19

All: 52.355+/-1.020 χ^2/NDF: 607.3/40

- sign 47.476+/-1.479 χ^2/NDF: 329.9/20

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -161.331+/-0.116 χ^2/NDF:4152.3/3

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

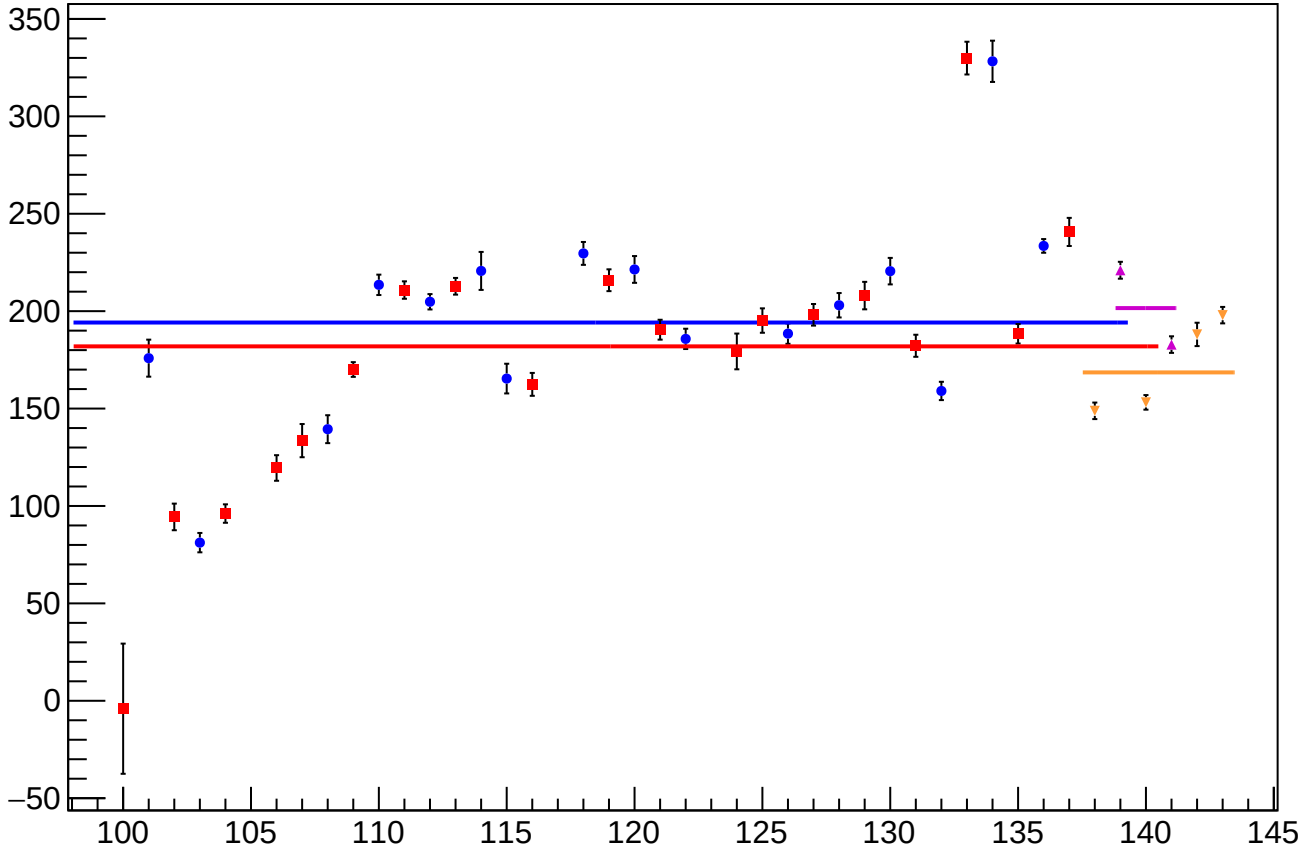
Left In: -153.848+/-0.144 χ^2/NDF:1535.2/1

+ sign -142.118+/-0.072 χ^2/NDF: 222899.1/19

All: -134.204+/-0.051 χ^2/NDF: 507021.0/40

- sign -125.836+/-0.074 χ^2/NDF: 258979.1/20

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 168.562+/-2.178 χ^2/NDF:97.5/3

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

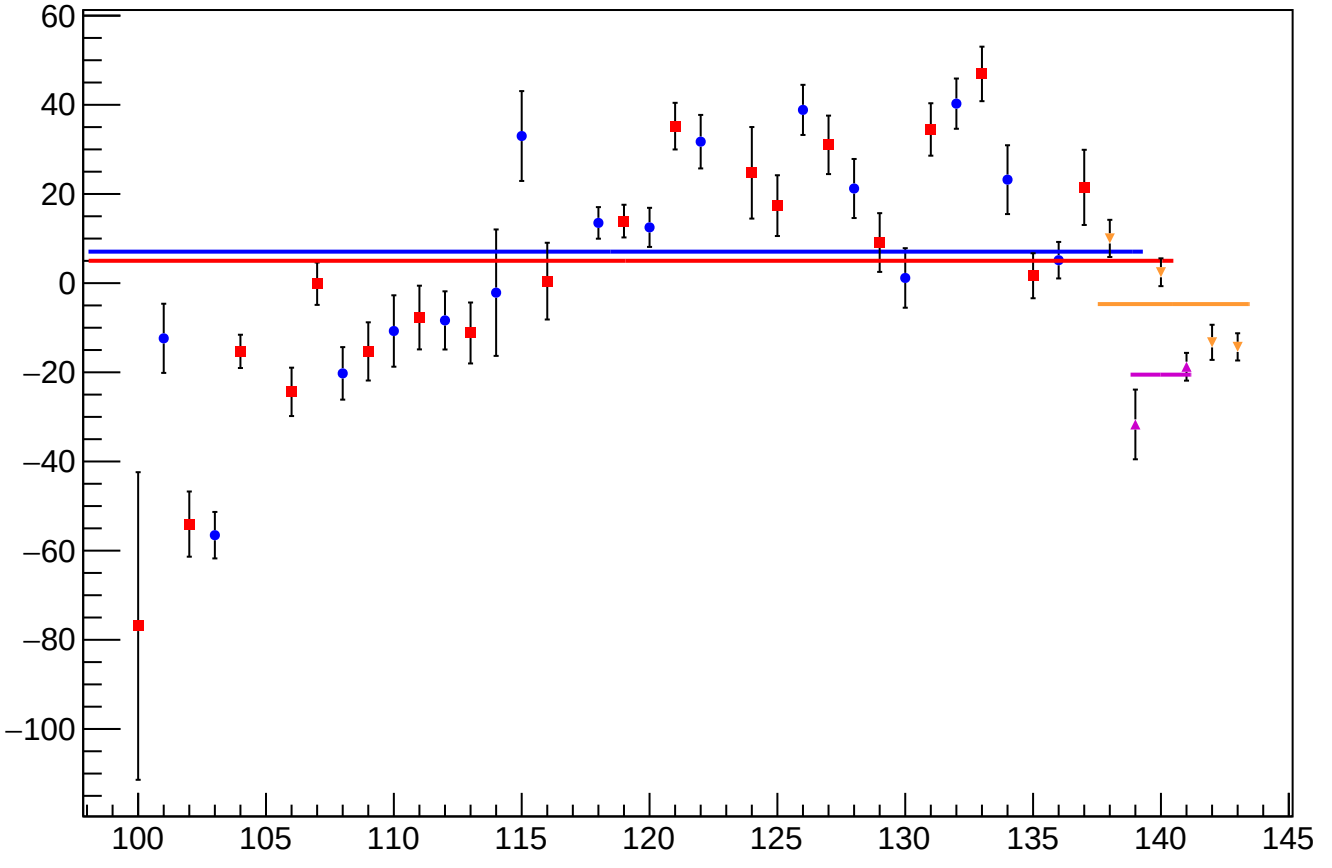
Left In: 201.574+/-3.037 χ^2/NDF:39.5/1

+ sign 186.631+/-1.182 χ^2/NDF: 1230.2/19

All: 185.864+/-0.846 χ^2/NDF: 2510.5/40

- sign 185.057+/-1.212 χ^2/NDF: 1279.5/20

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -4.695+/-1.735 χ^2/NDF:32.4/3

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

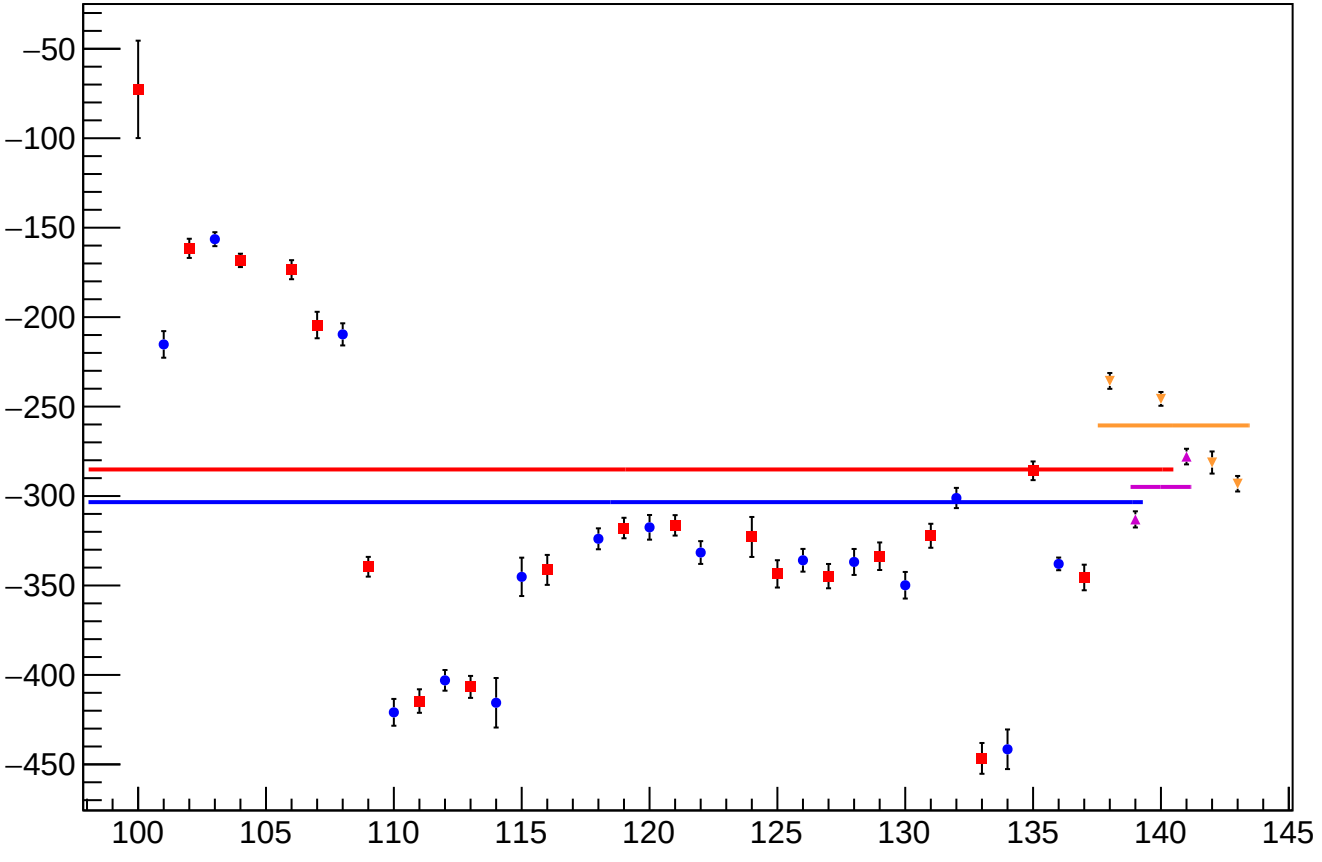
Left In: -20.524+/-2.892 χ^2/NDF:2.4/1

+ sign 2.258+/-1.109 χ^2/NDF: 352.1/19

All: 1.430+/-0.823 χ^2/NDF: 708.2/40

- sign 0.418+/-1.227 χ^2/NDF: 354.9/20

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -260.541+/-2.249 χ^2/NDF:114.0/3

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

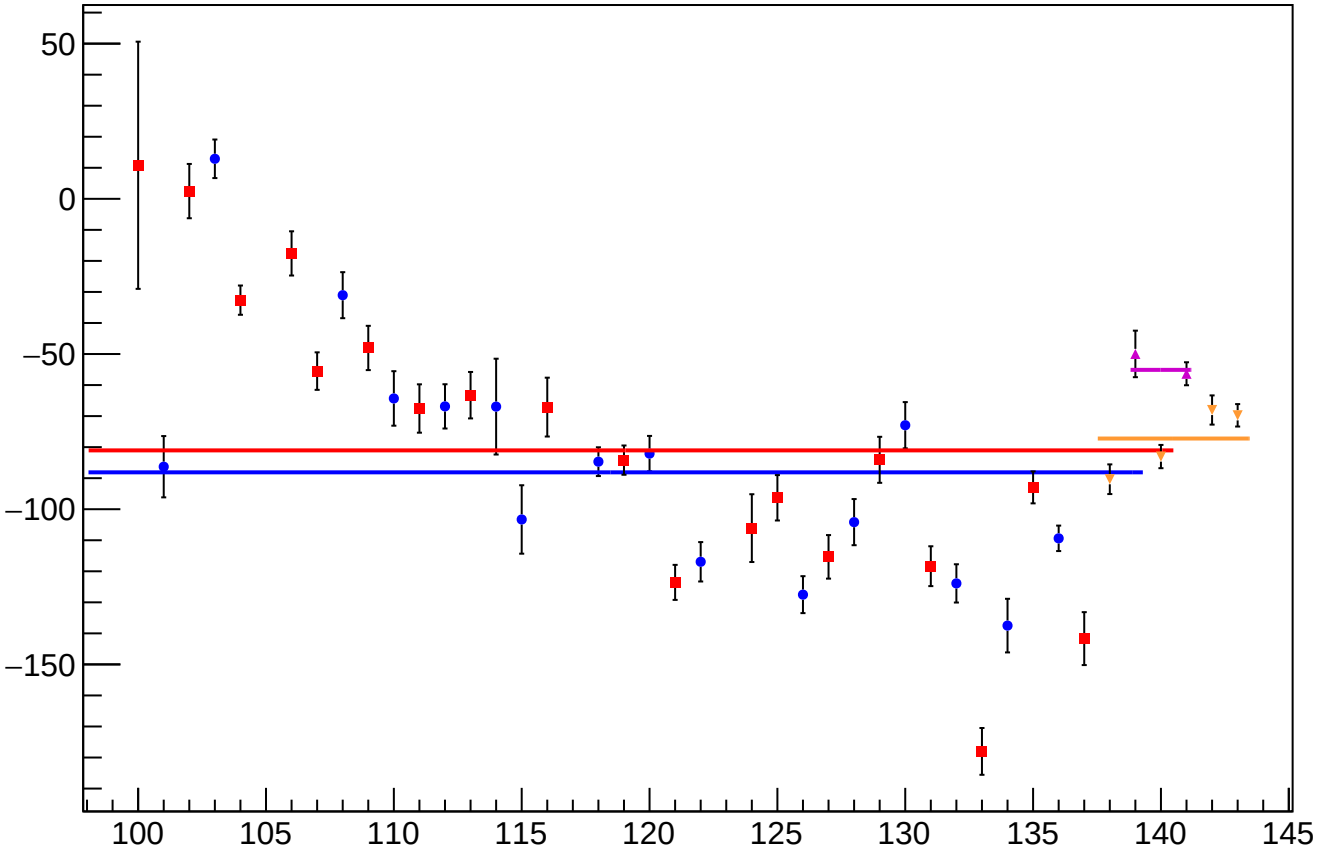
Left In: -294.903+/-3.139 χ^2/NDF:31.2/1

+ sign -289.849+/-1.265 χ^2/NDF: 3147.8/19

All: -288.417+/-0.912 χ^2/NDF: 6944.5/40

- sign -286.865+/-1.317 χ^2/NDF: 3794.0/20

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -77.227+/-2.056 χ^2/NDF:18.0/3

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

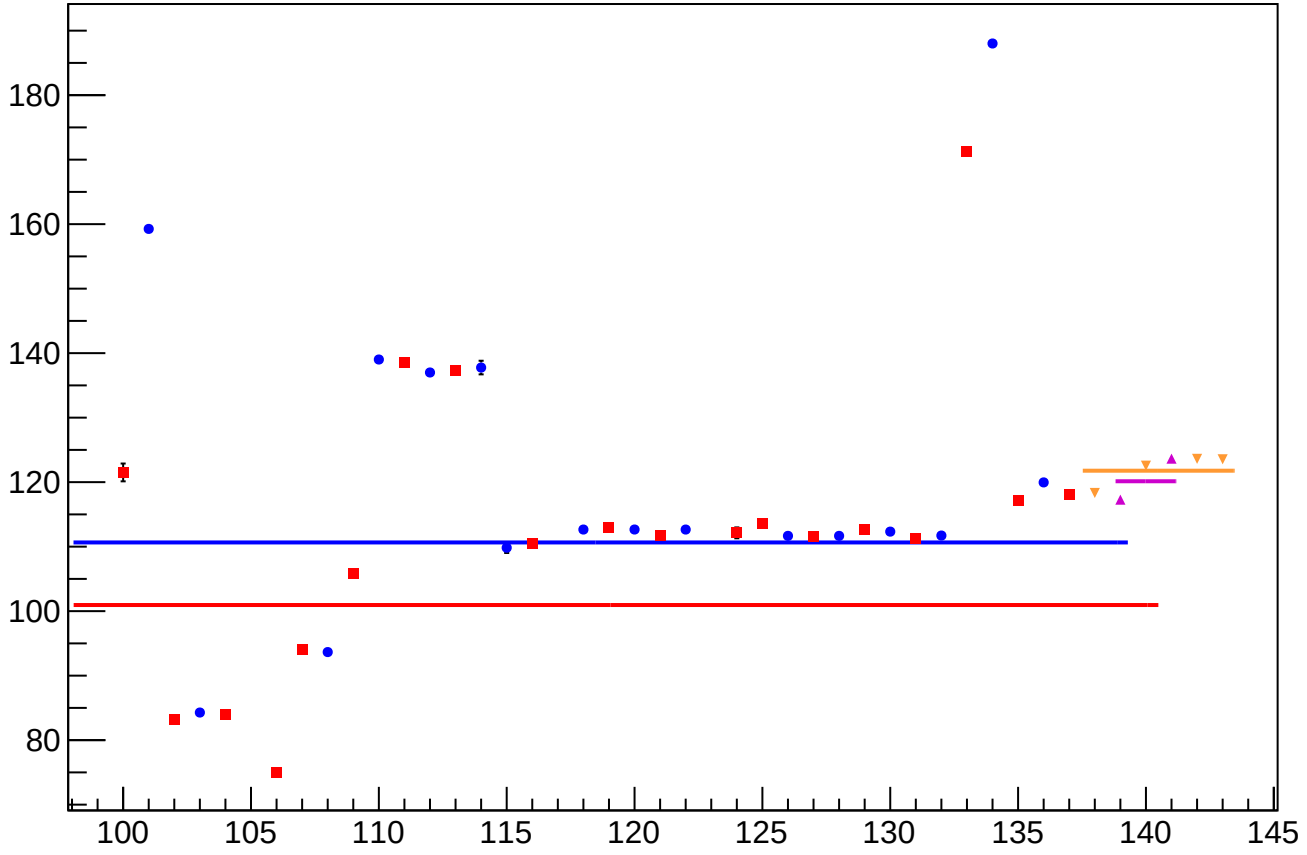
Left In: -55.104+/-3.320 χ^2/NDF:0.6/1

+ sign -83.835+/-1.289 χ^2/NDF: 547.0/19

All: -80.432+/-0.954 χ^2/NDF: 1290.4/40

- sign -76.311+/-1.418 χ^2/NDF: 728.0/20

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 121.774+/-0.095 χ^2/NDF:545.2/3

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

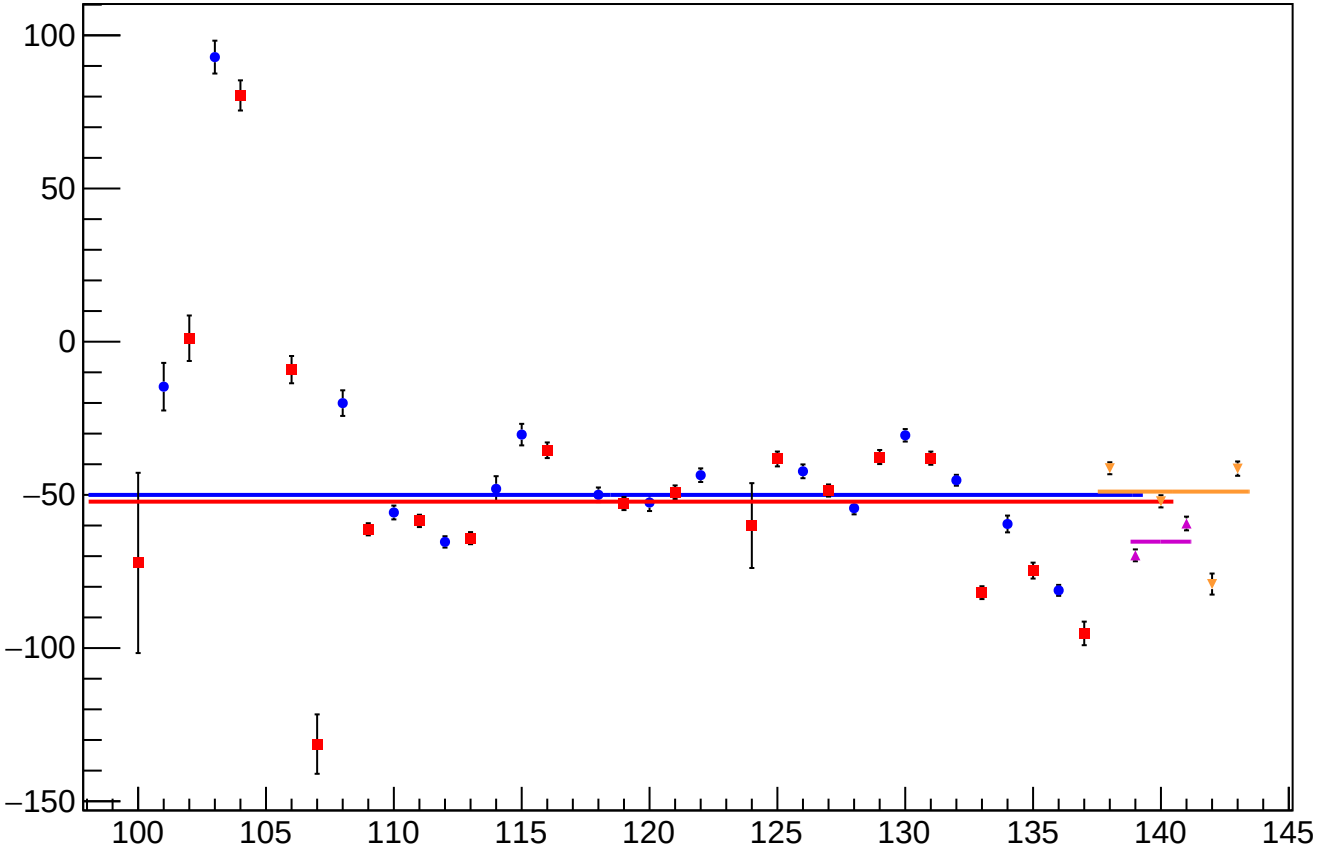
Left In: 120.138+/-0.120 χ^2/NDF:695.1/1

+ sign 115.670+/-0.064 χ^2/NDF: 91647.0/19

All: 111.549+/-0.046 χ^2/NDF: 180813.2/40

- sign 106.959+/-0.067 χ^2/NDF: 80285.2/20

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -48.928+/-1.132 χ^2/NDF:105.0/3

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

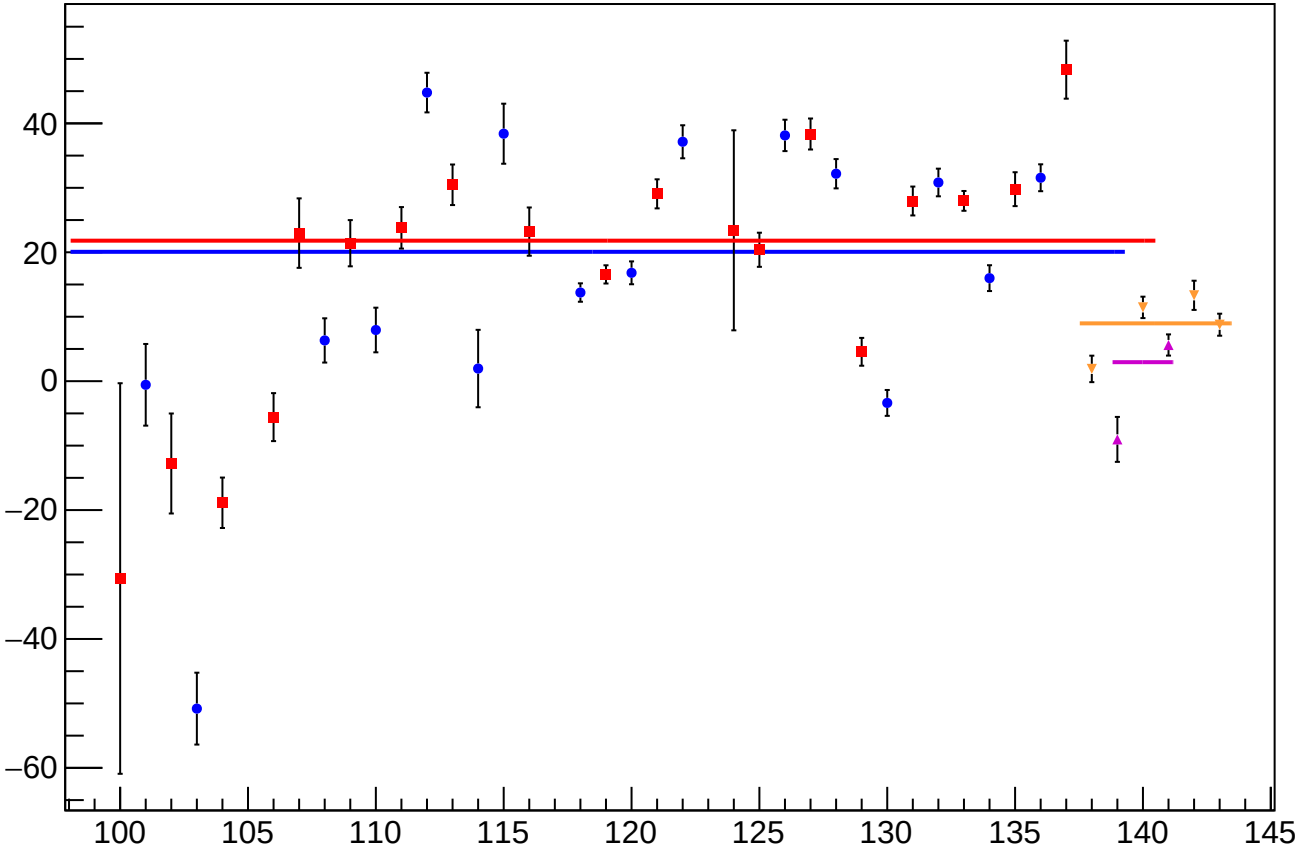
Left In: -65.274+/-1.467 χ^2/NDF:12.3/1

\+ sign -49.765+/-0.537 χ^2/NDF: 1433.1/19

All: -51.847+/-0.387 χ^2/NDF: 3114.9/40

\- sign -54.107+/-0.559 χ^2/NDF: 1650.4/20

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.969+/-0.938 χ^2/NDF:17.8/3

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

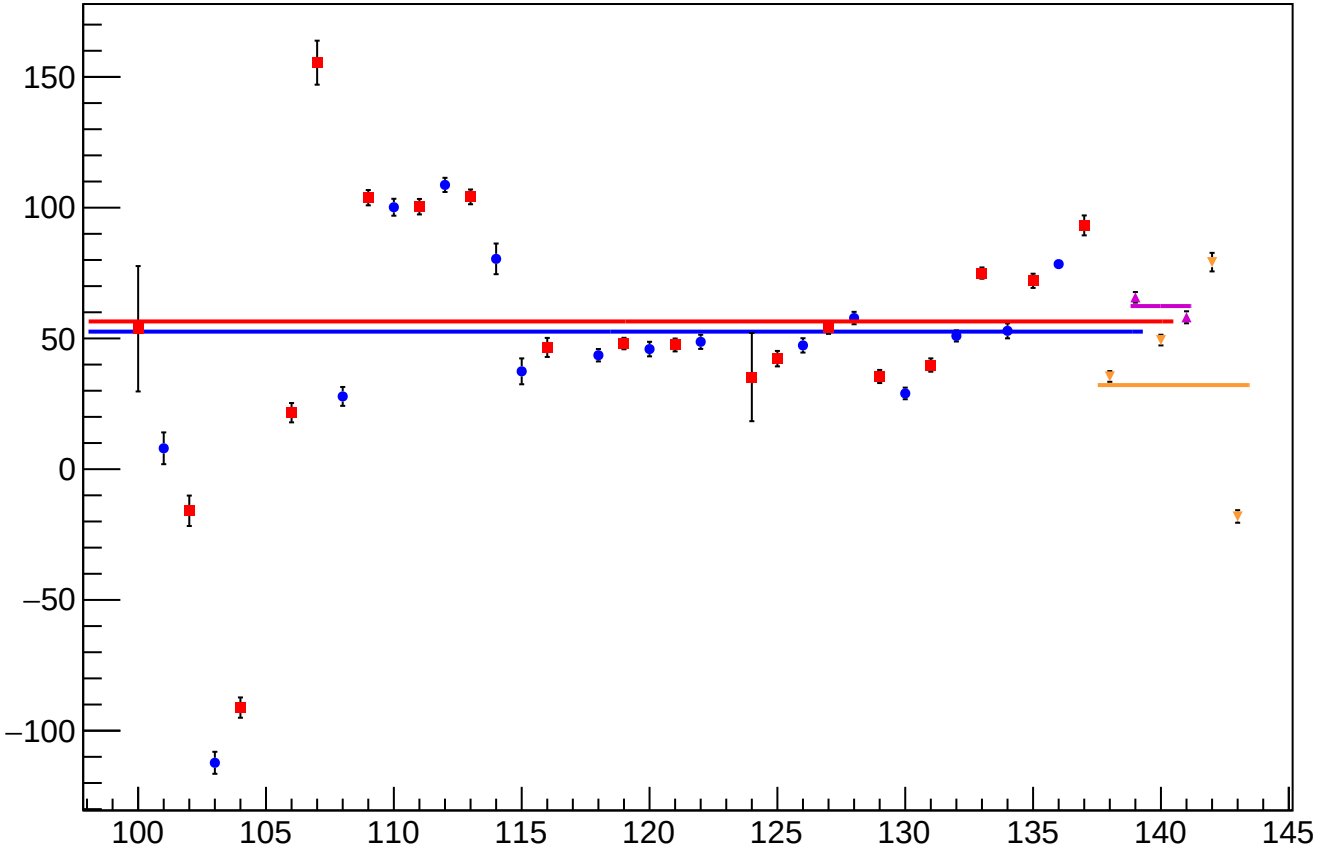
Left In: 2.948+/-1.488 χ^2/NDF:14.4/1

+ sign 16.757+/-0.513 χ^2/NDF: 752.3/19

All: 17.750+/-0.382 χ^2/NDF: 1308.2/40

- sign 18.995+/-0.574 χ^2/NDF: 547.4/20

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 32.162+/-1.170 χ^2/NDF:683.6/3

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

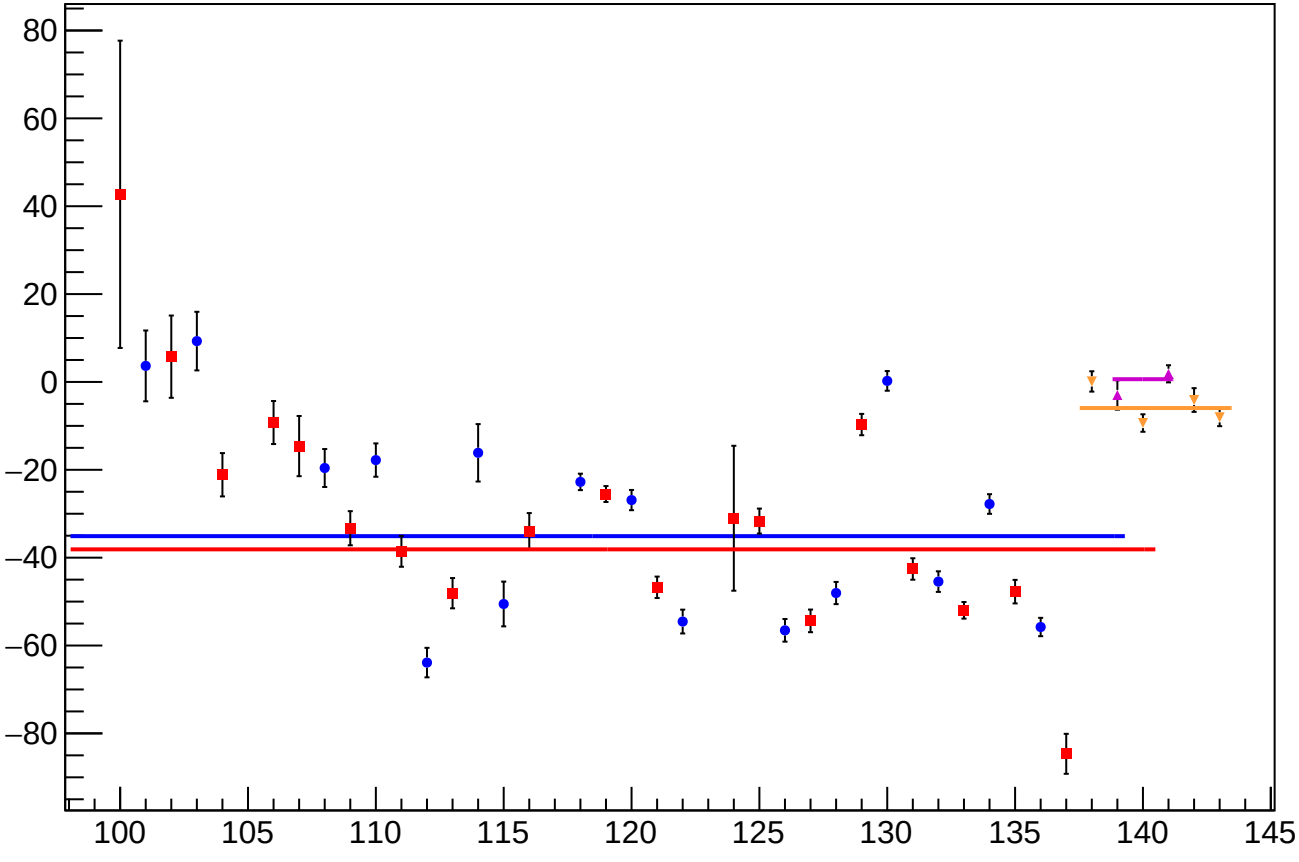
Left In: 62.378+/-1.519 χ^2/NDF:6.2/1

+ sign 47.258+/-0.598 χ^2/NDF: 3568.4/19

All: 52.056+/-0.437 χ^2/NDF: 6690.3/40

- sign 57.542+/-0.640 χ^2/NDF: 2984.0/20

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -5.940+/-1.103 χ^2/NDF:11.3/3

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

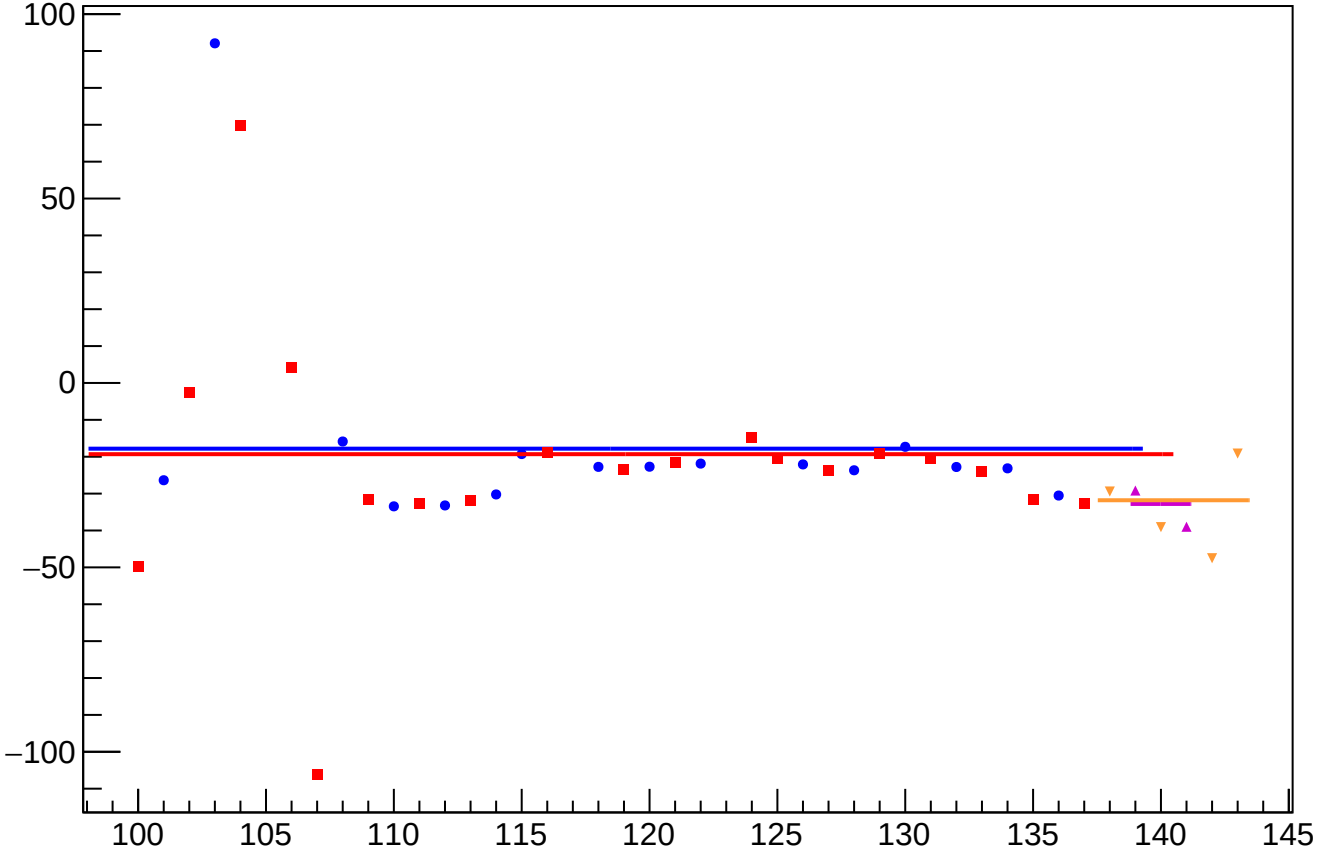
Left In: 0.627+/-1.686 χ^2/NDF:1.5/1

+ sign -26.723+/-0.591 χ^2/NDF: 1283.2/19

All: -29.180+/-0.439 χ^2/NDF: 2285.7/40

- sign -32.220+/-0.657 χ^2/NDF: 963.8/20

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -31.802+/-0.049 χ^2/NDF:35048.6/3

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

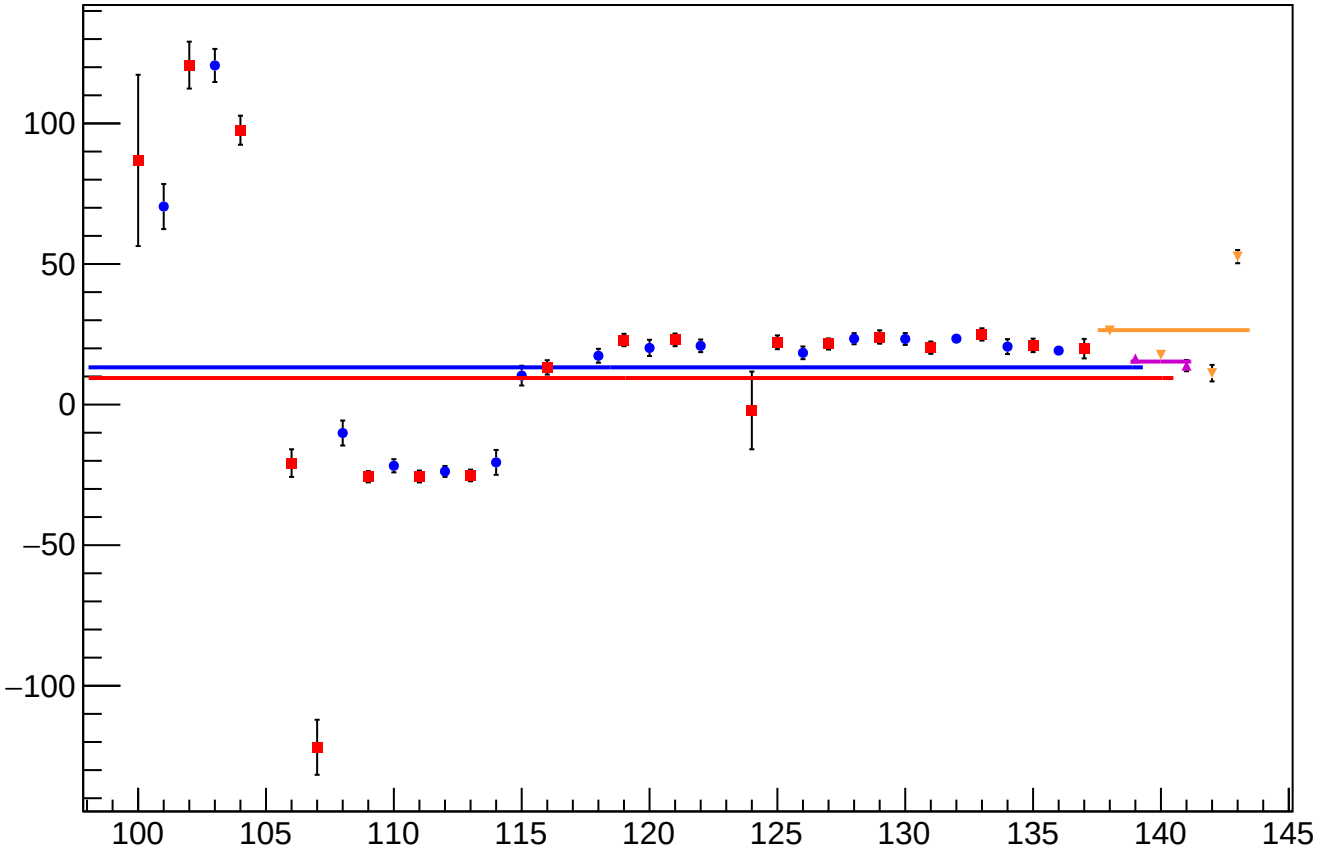
Left In: -32.803+/-0.057 χ^2/NDF:6893.2/1

+ sign -23.991+/-0.032 χ^2/NDF: 507354.7/19

All: -24.279+/-0.024 χ^2/NDF: 892859.1/40

- sign -24.633+/-0.036 χ^2/NDF: 385327.7/20

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 26.487+/-1.034 χ^2/NDF:175.2/3

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

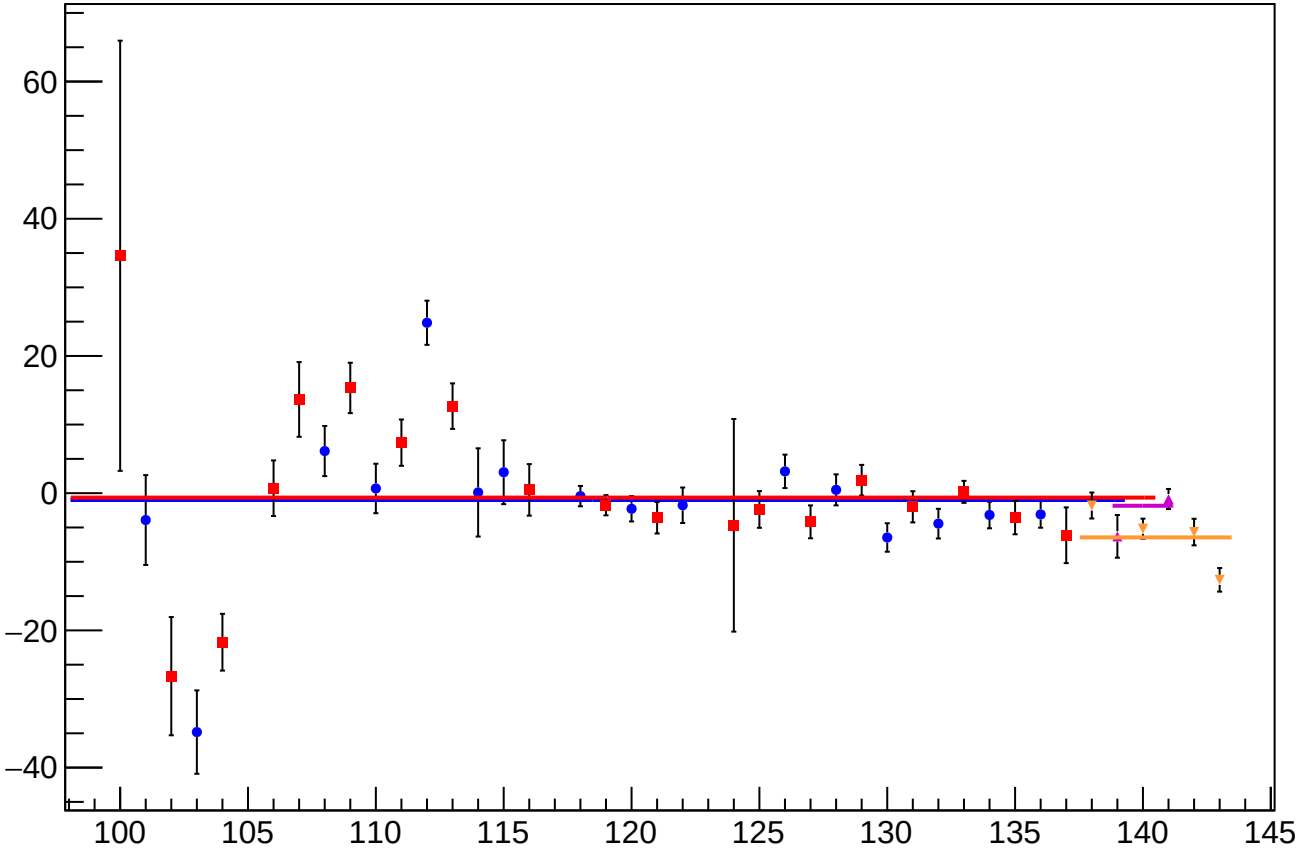
Left In: 15.305+/-1.303 χ^2/NDF:0.9/1

+ sign 16.706+/-0.528 χ^2/NDF: 1478.7/19

All: 13.770+/-0.383 χ^2/NDF: 3397.9/40

- sign 10.517+/-0.556 χ^2/NDF: 1854.1/20

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -6.447+/-0.861 χ^2/NDF:19.9/3

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

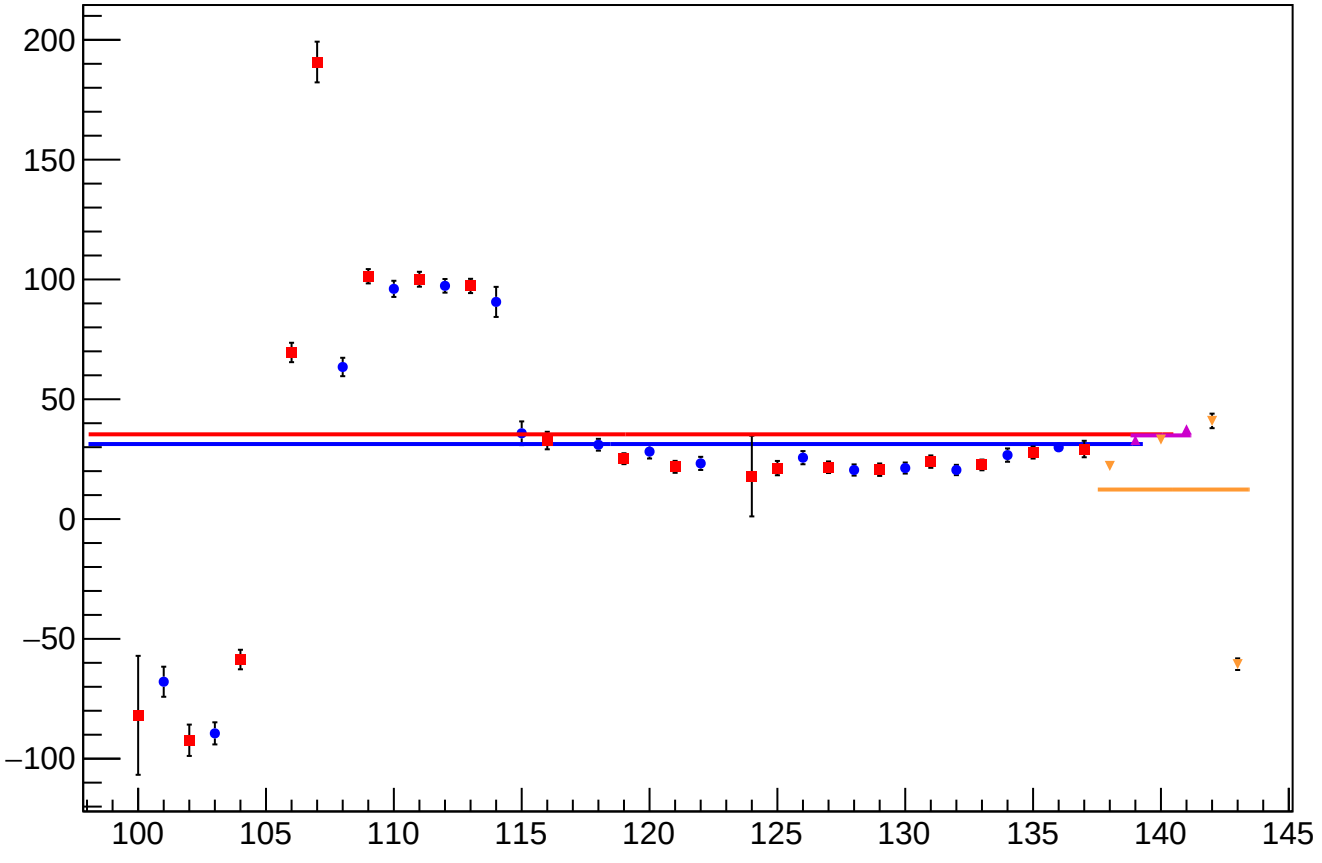
Left In: -1.835+/-1.325 χ^2/NDF:2.5/1

+ sign -2.852+/-0.503 χ^2/NDF: 162.7/19

All: -1.989+/-0.378 χ^2/NDF: 266.8/40

- sign -0.867+/-0.573 χ^2/NDF: 97.4/20

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 12.326+/-1.069 χ^2/NDF:1153.4/3

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

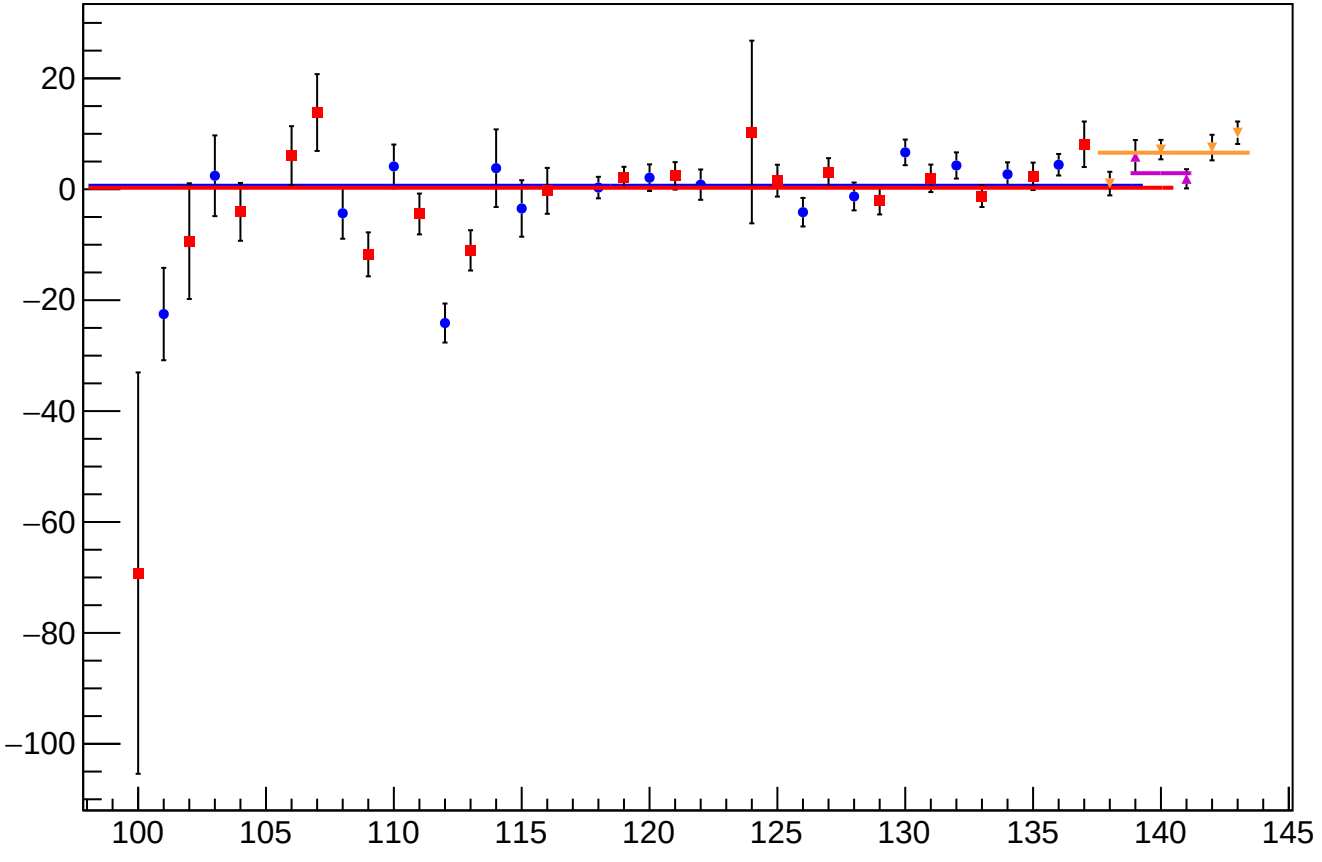
Left In: 34.923+/-1.348 χ^2/NDF:2.8/1

\+ sign 25.613+/-0.586 χ^2/NDF: 3459.9/19

All: 30.066+/-0.430 χ^2/NDF: 6485.7/40

\- sign 35.268+/-0.633 χ^2/NDF: 2900.5/20

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 6.593+/-1.012 χ^2/NDF:10.3/3

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

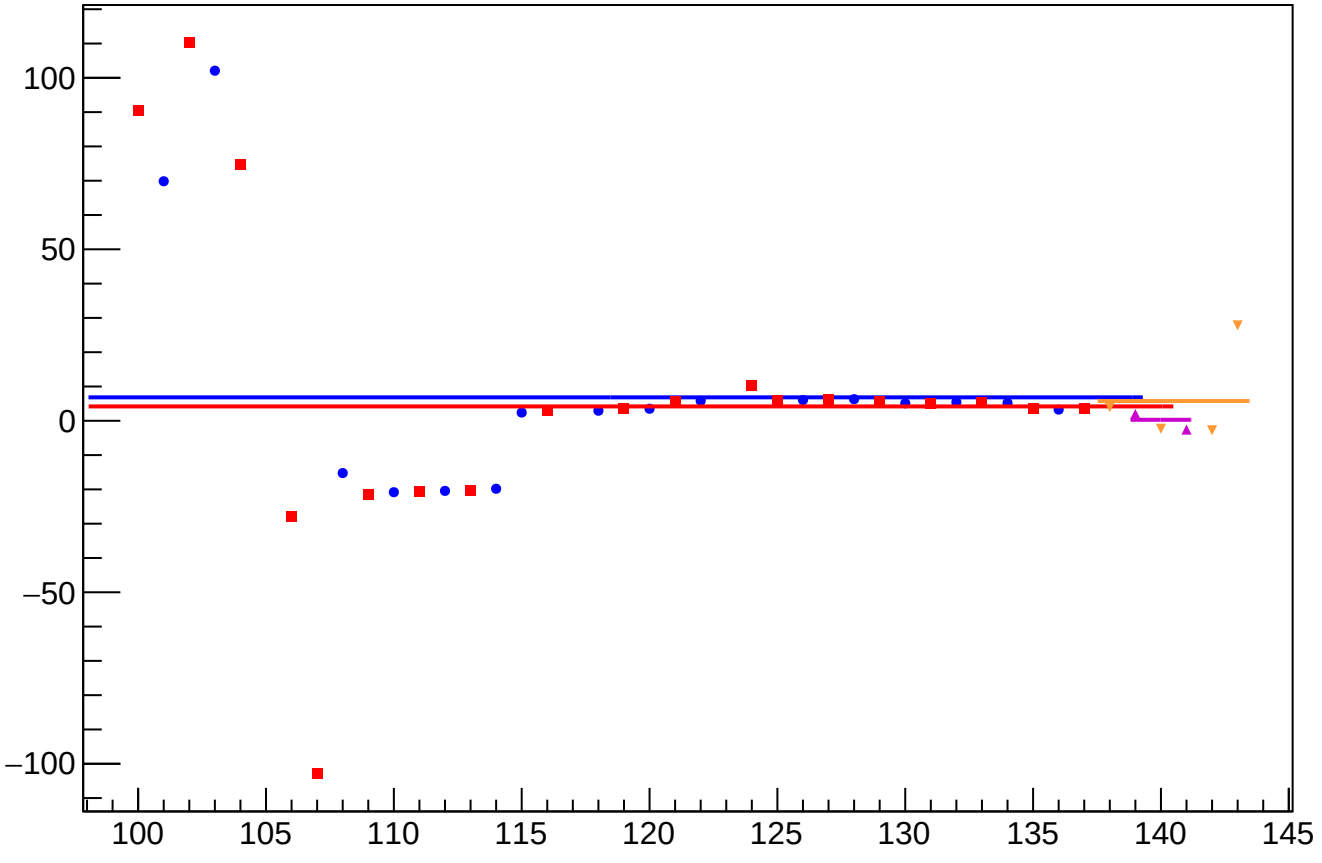
Left In: 2.898+/-1.501 χ^2/NDF:1.3/1

+ sign 2.579+/-0.578 χ^2/NDF: 112.1/19

All: 1.786+/-0.433 χ^2/NDF: 160.7/40

- sign 0.772+/-0.654 χ^2/NDF: 44.3/20

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 5.773+/-0.044 χ^2/NDF:63557.5/3

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

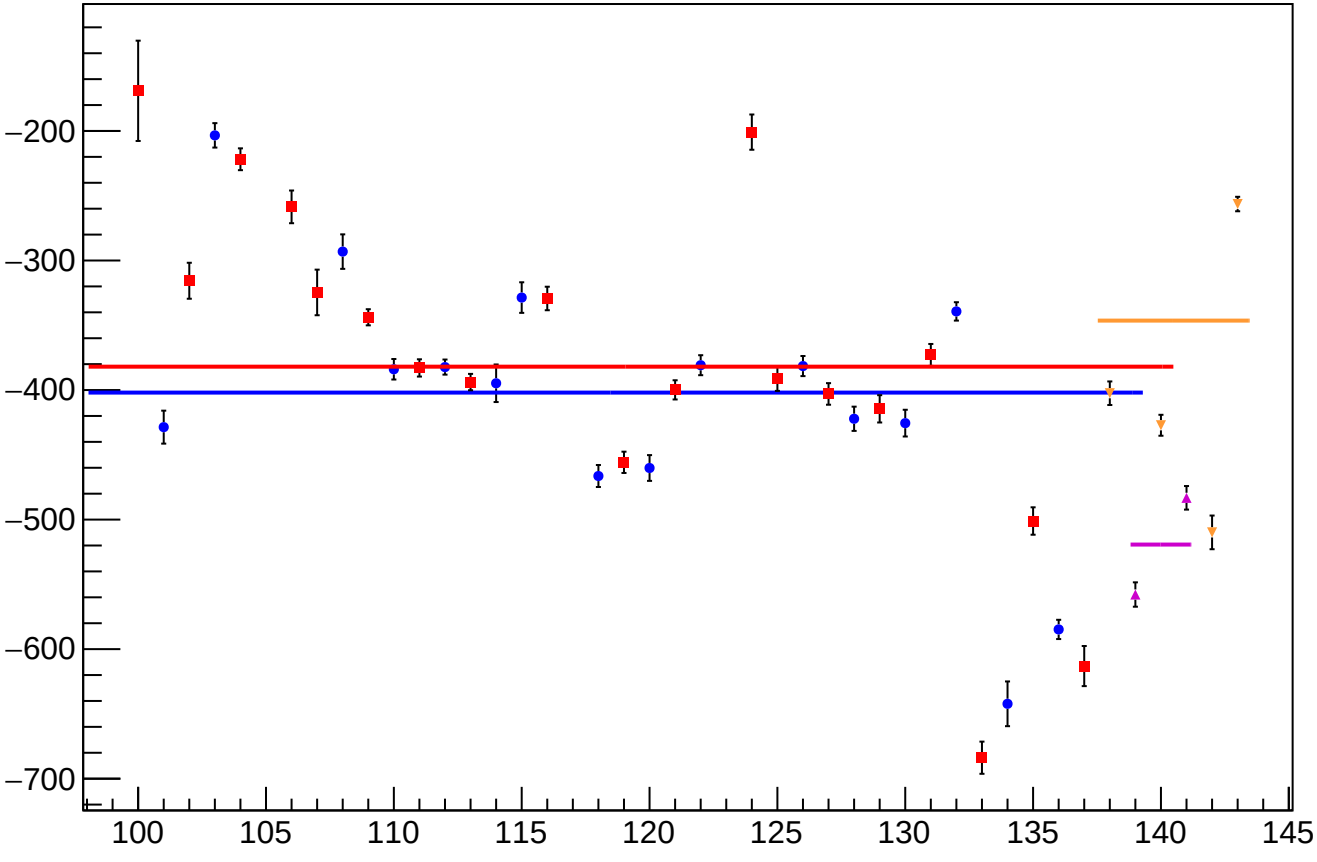
Left In: 0.295+/-0.051 χ^2/NDF:1883.7/1

+ sign 6.324+/-0.031 χ^2/NDF: 384810.1/19

All: 4.577+/-0.023 χ^2/NDF: 831622.9/40

- sign 2.424+/-0.034 χ^2/NDF: 439640.9/20

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -346.389+/-3.911 χ^2/NDF:555.7/3

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

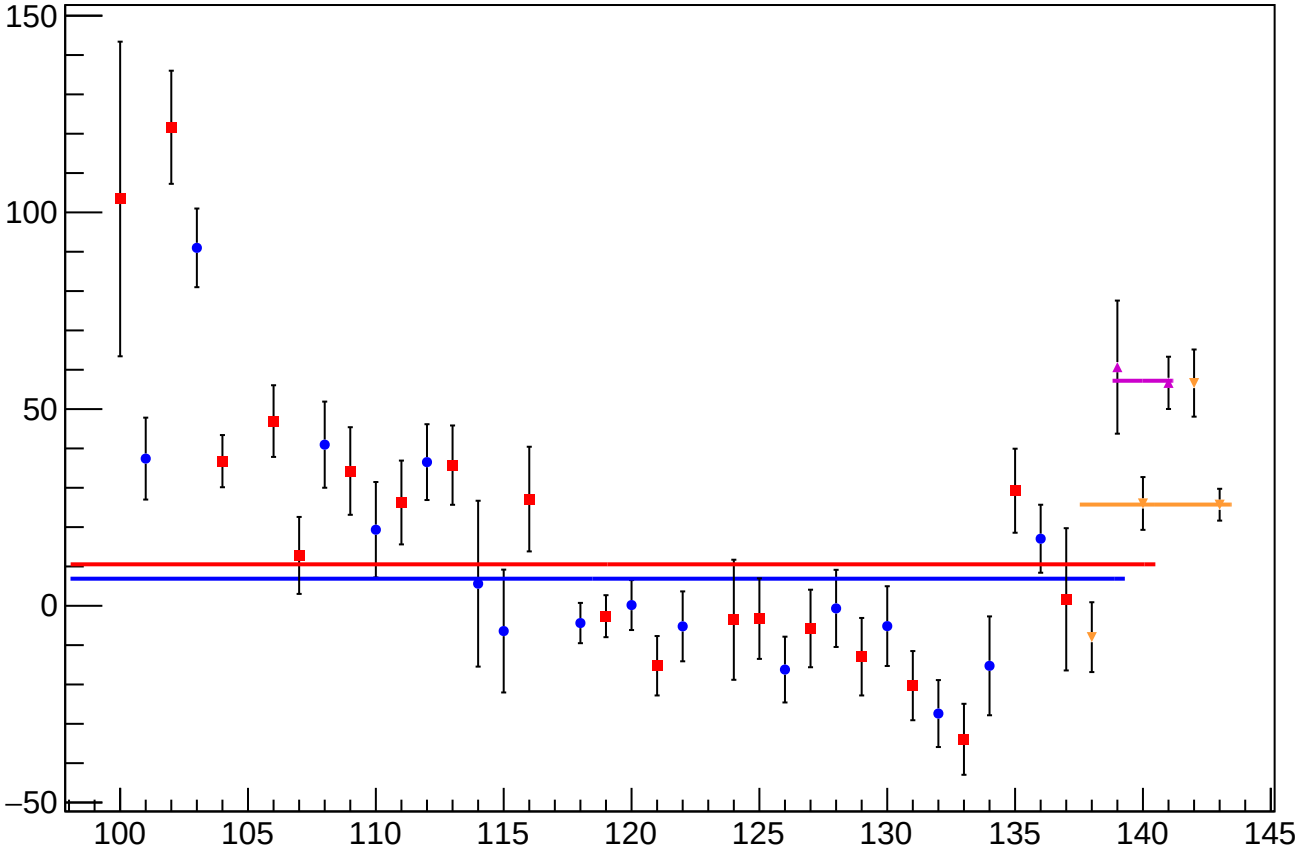
Left In: -519.277+/-6.539 χ^2/NDF:32.5/1

+ sign -388.271+/-1.941 χ^2/NDF: 2271.1/19

All: -391.530+/-1.400 χ^2/NDF: 4525.9/40

- sign -395.060+/-2.020 χ^2/NDF: 2248.9/20

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 25.734+/-3.019 χ^2/NDF:27.5/3

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

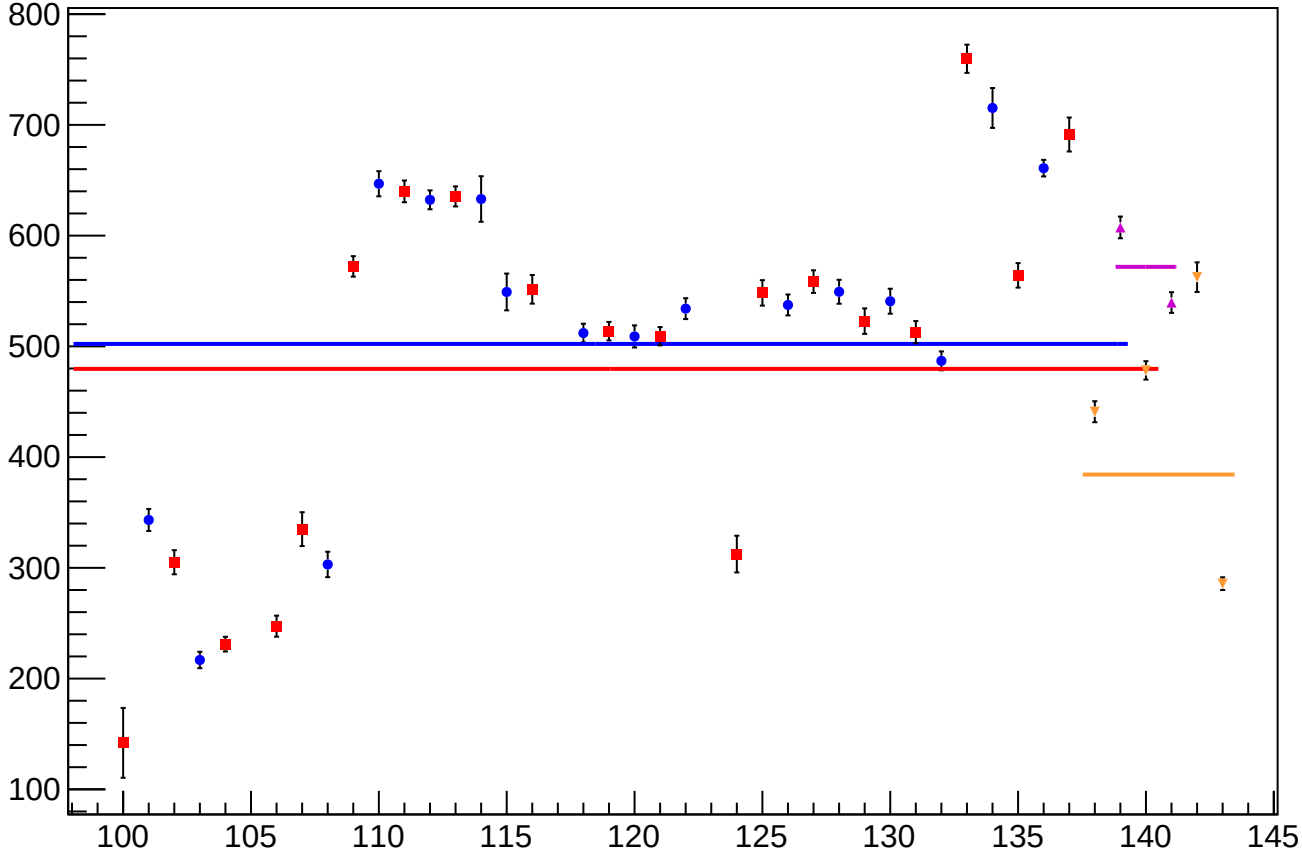
Left In: 57.205+/-6.184 χ^2/NDF:0.0/1

+ sign 13.673+/-1.811 χ^2/NDF: 190.9/19

All: 14.584+/-1.363 χ^2/NDF: 422.1/40

- sign 15.774+/-2.070 χ^2/NDF: 230.6/20

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 384.239+/-4.033 χ^2/NDF:635.0/3

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

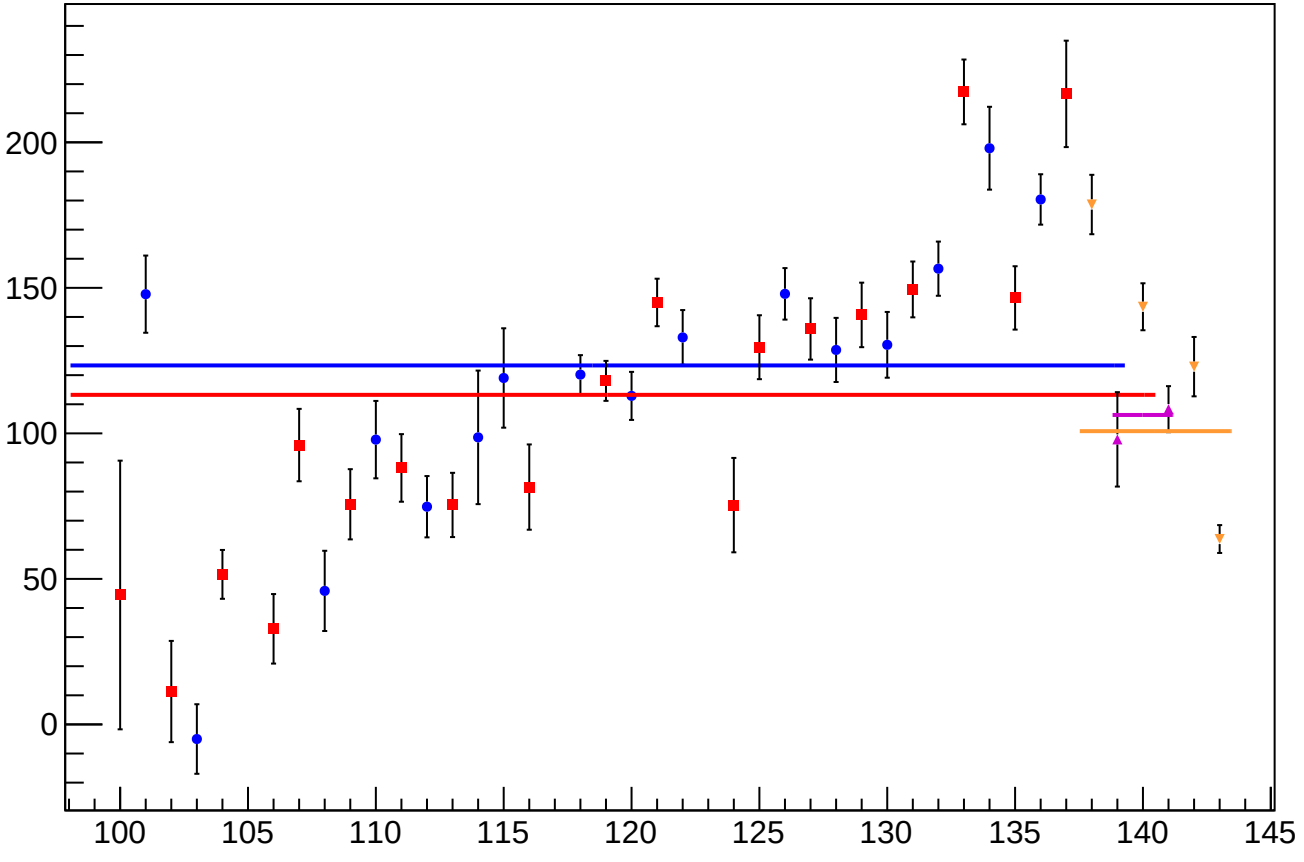
Left In: 571.807+/-6.759 χ^2/NDF:25.1/1

+ sign 469.603+/-2.120 χ^2/NDF: 4389.3/19

All: 479.142+/-1.547 χ^2/NDF: 8761.2/40

- sign 489.987+/-2.261 χ^2/NDF: 4328.6/20

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 100.762+/-3.576 χ^2/NDF:150.9/3

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

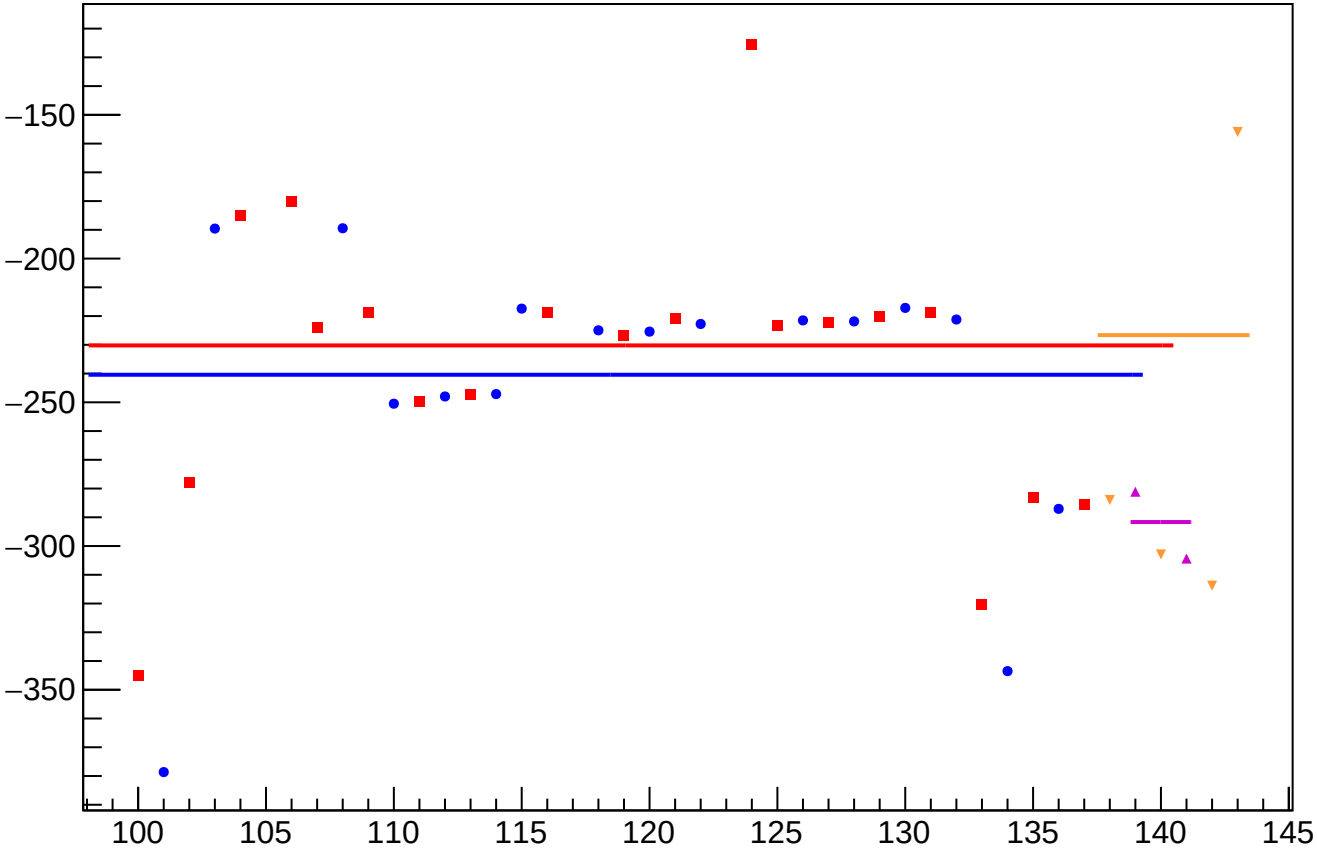
Left In: 106.323+/-7.110 χ^2/NDF:0.3/1

\+ sign 115.428+/-2.117 χ^2/NDF: 448.2/19

All: 114.123+/-1.587 χ^2/NDF: 796.0/40

\- sign 112.450+/-2.396 χ^2/NDF: 346.9/20

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -226.629+/-0.169 χ^2/NDF:177158.3/3

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

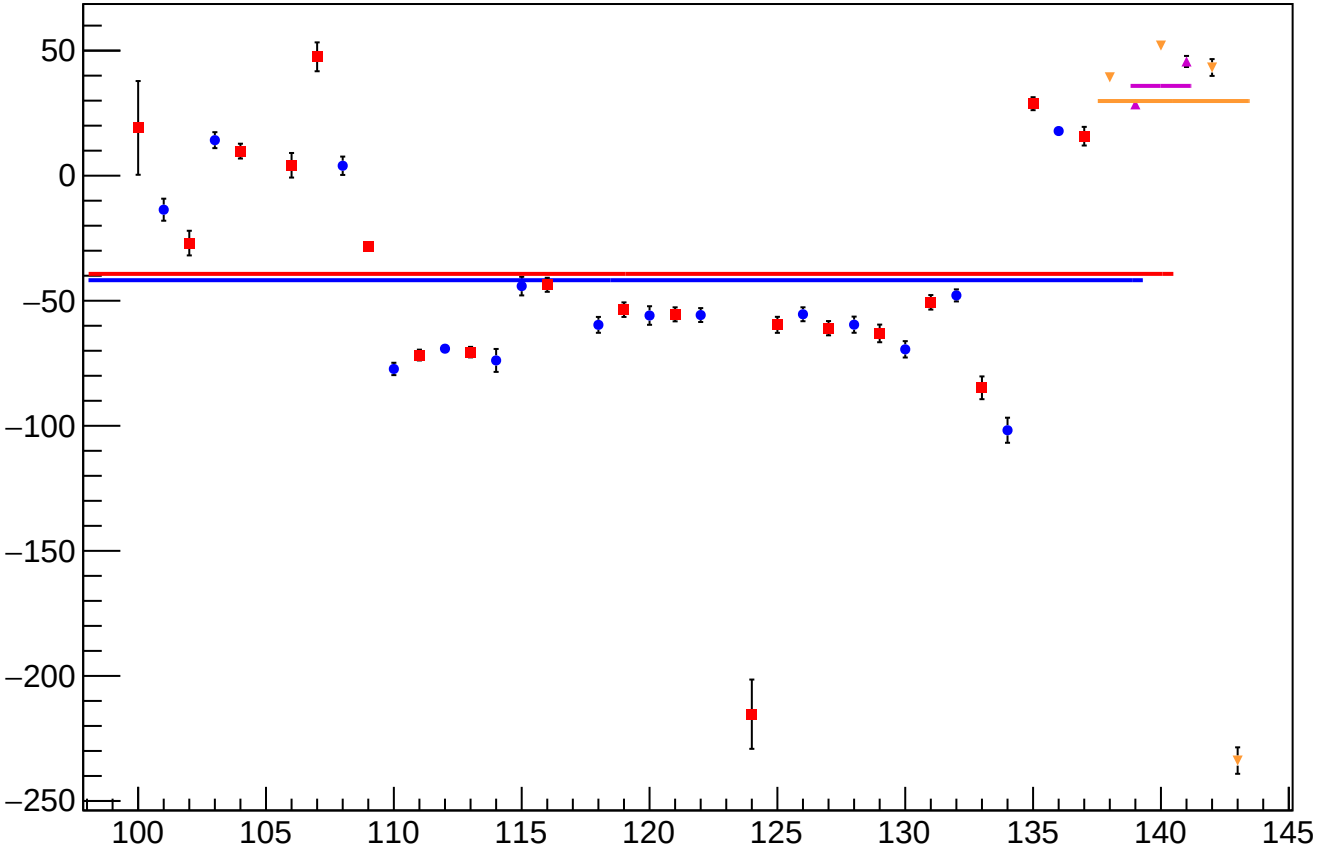
Left In: -291.654+/-0.258 χ^2/NDF:2010.9/1

+ sign -234.323+/-0.113 χ^2/NDF: 315009.3/19

All: -239.074+/-0.084 χ^2/NDF: 447348.5/40

- sign -245.165+/-0.127 χ^2/NDF: 128271.4/20

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 29.849+/-1.244 χ^2/NDF:2652.1/3

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

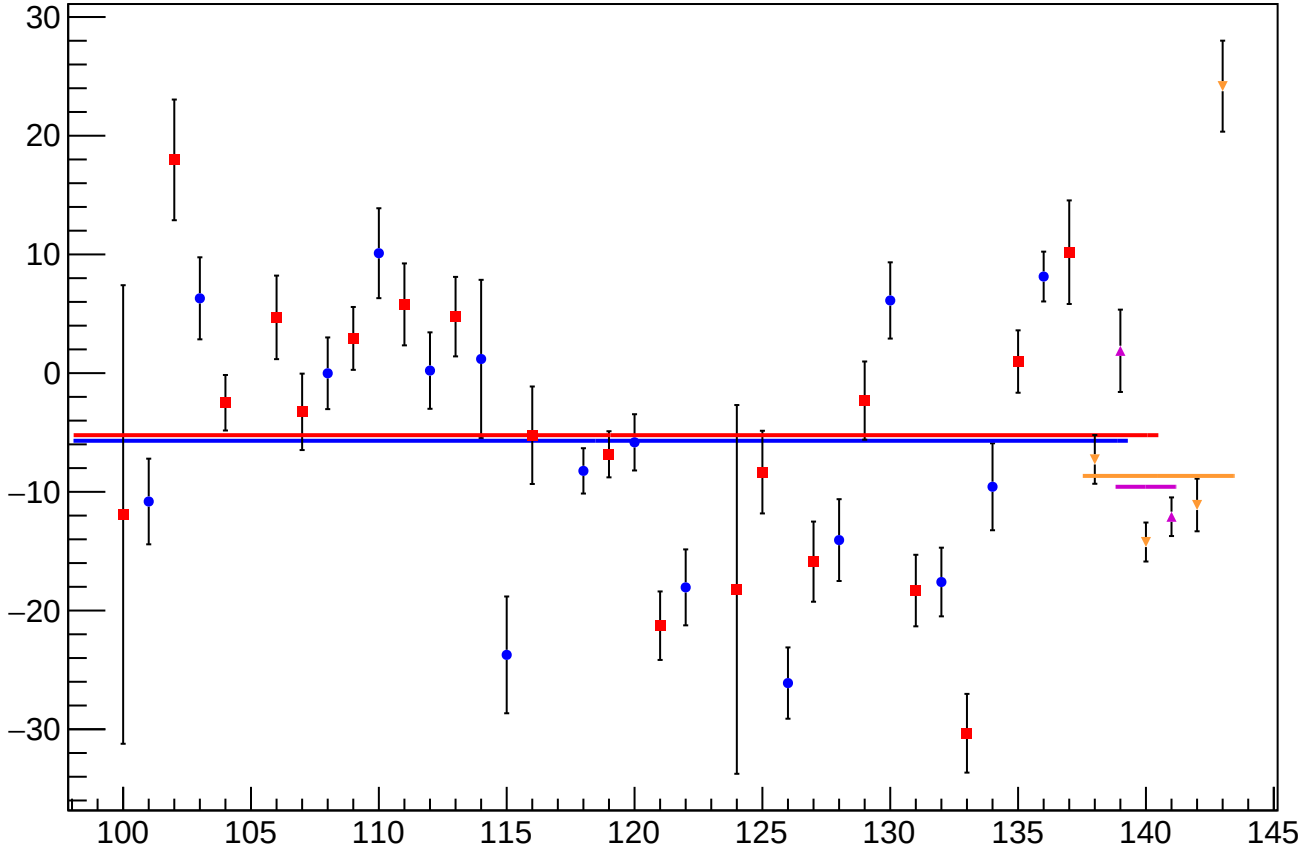
Left In: 35.899+/-1.453 χ^2/NDF:34.1/1

+ sign -23.689+/-0.625 χ^2/NDF: 7536.9/19

All: -24.745+/-0.439 χ^2/NDF: 12250.7/40

- sign -25.769+/-0.616 χ^2/NDF: 4708.2/20

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -8.658+/-1.066 χ^2/NDF:86.6/3

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

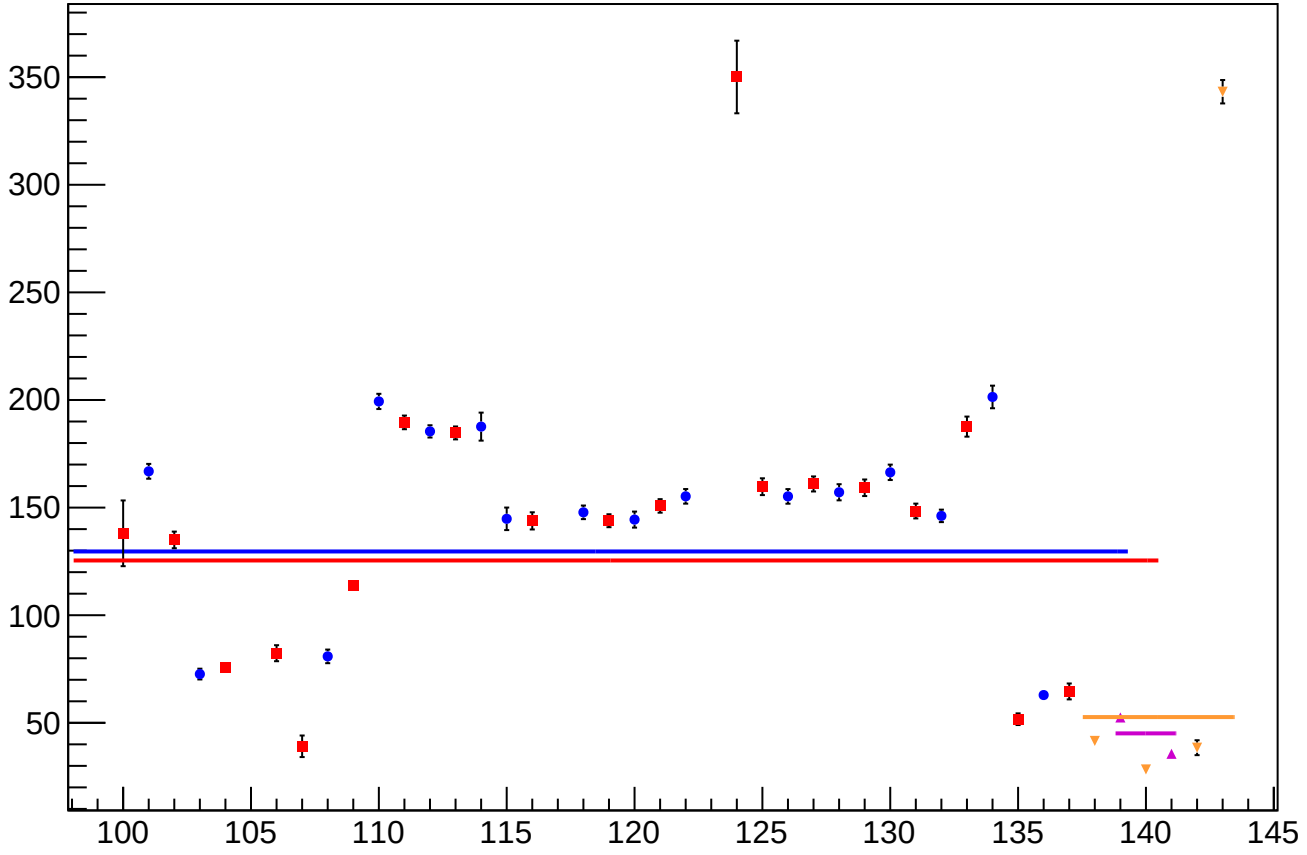
Left In: -9.573+/-1.473 χ^2/NDF:13.3/1

+ sign -6.683+/-0.615 χ^2/NDF: 288.4/19

All: -6.413+/-0.450 χ^2/NDF: 506.4/40

- sign -6.102+/-0.661 χ^2/NDF: 217.6/20

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 52.669+/-1.287 χ^2/NDF:3045.2/3

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

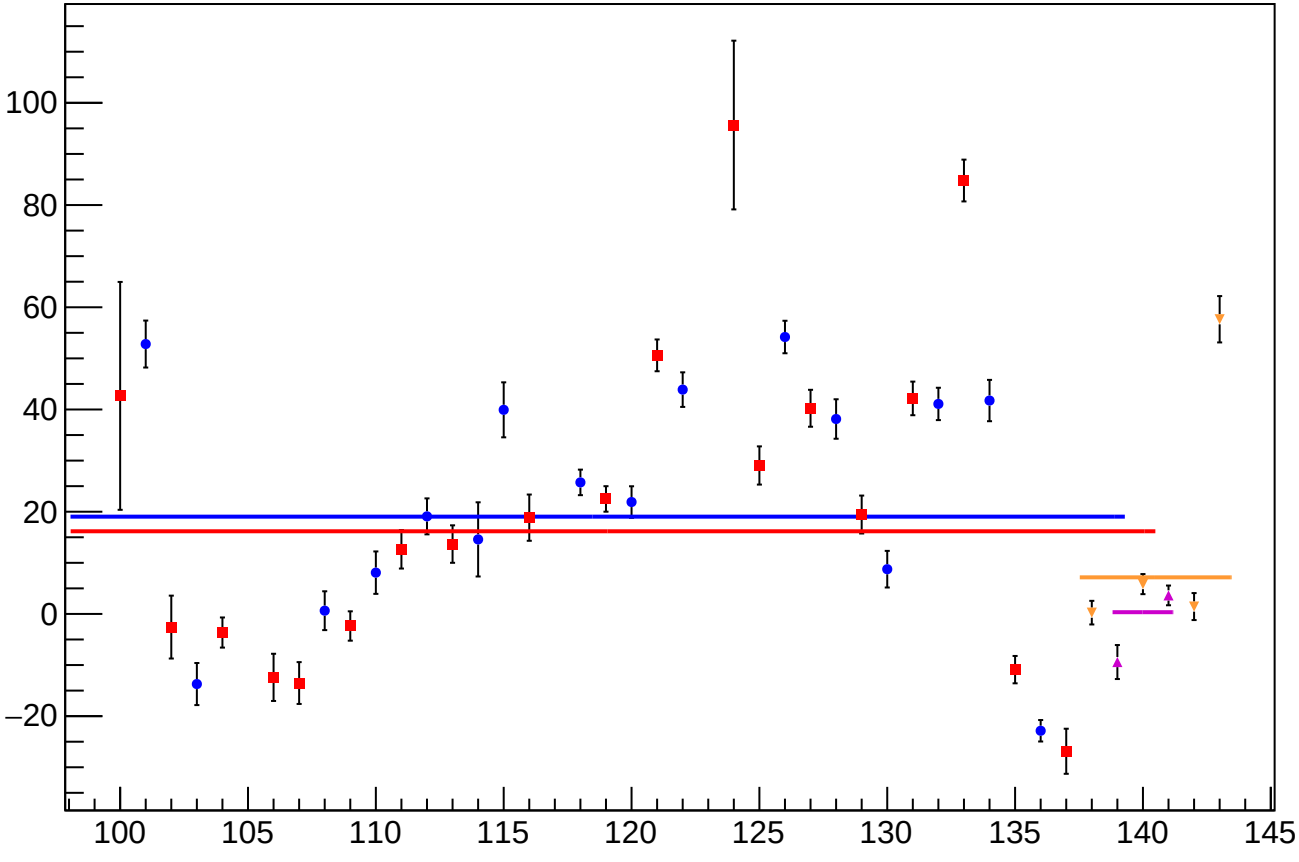
Left In: 45.095+/-1.504 χ^2/NDF:31.0/1

+ sign 108.160+/-0.680 χ^2/NDF: 9246.0/19

All: 108.117+/-0.487 χ^2/NDF: 15016.5/40

- sign 108.071+/-0.699 χ^2/NDF: 5770.5/20

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 7.158+/-1.252 χ^2/NDF:138.1/3

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

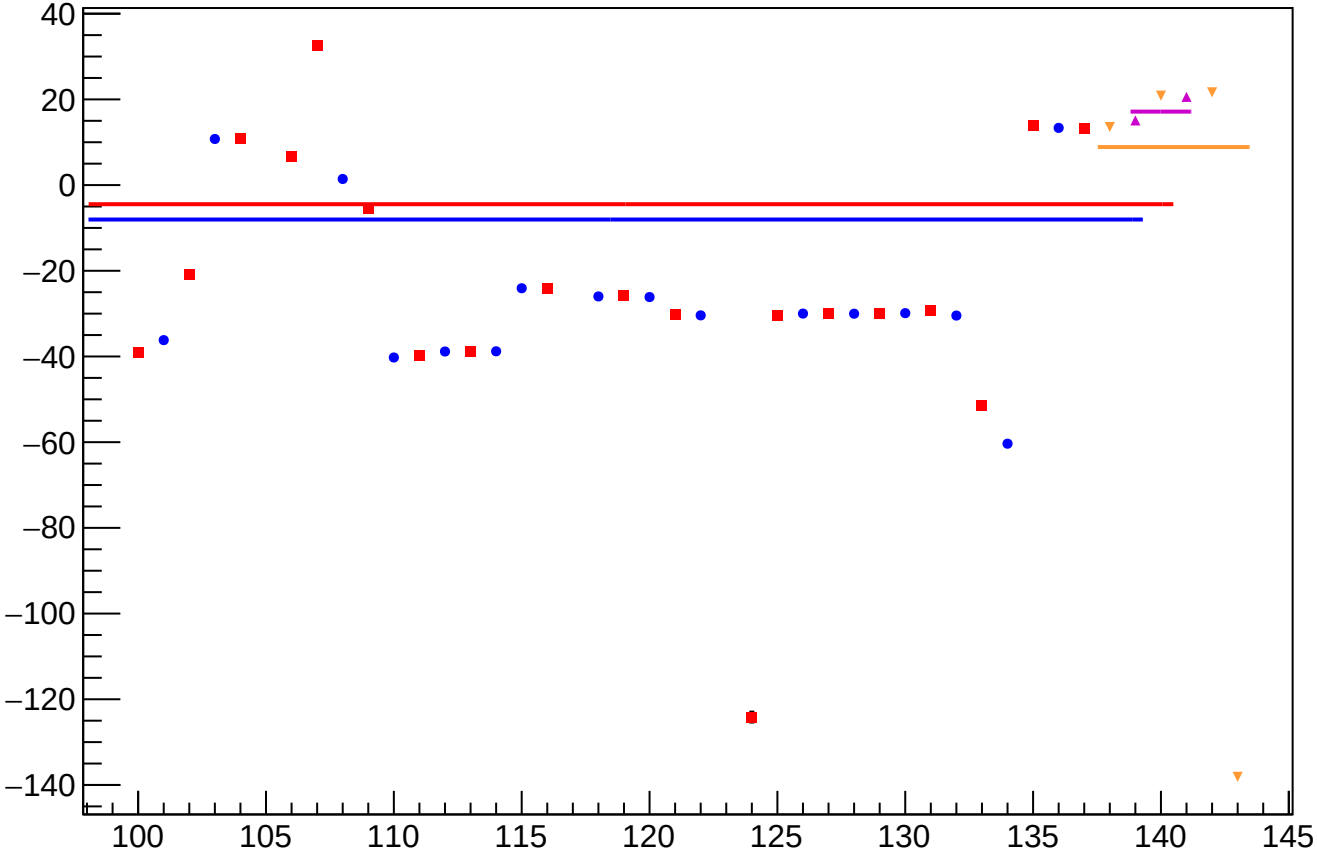
Left In: 0.341+/-1.669 χ^2/NDF:11.5/1

+ sign 15.227+/-0.709 χ^2/NDF: 1057.3/19

All: 14.154+/-0.517 χ^2/NDF: 2086.5/40

- sign 12.938+/-0.755 χ^2/NDF: 1024.3/20

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 8.878+/-0.053 χ^2/NDF:450530.8/3

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

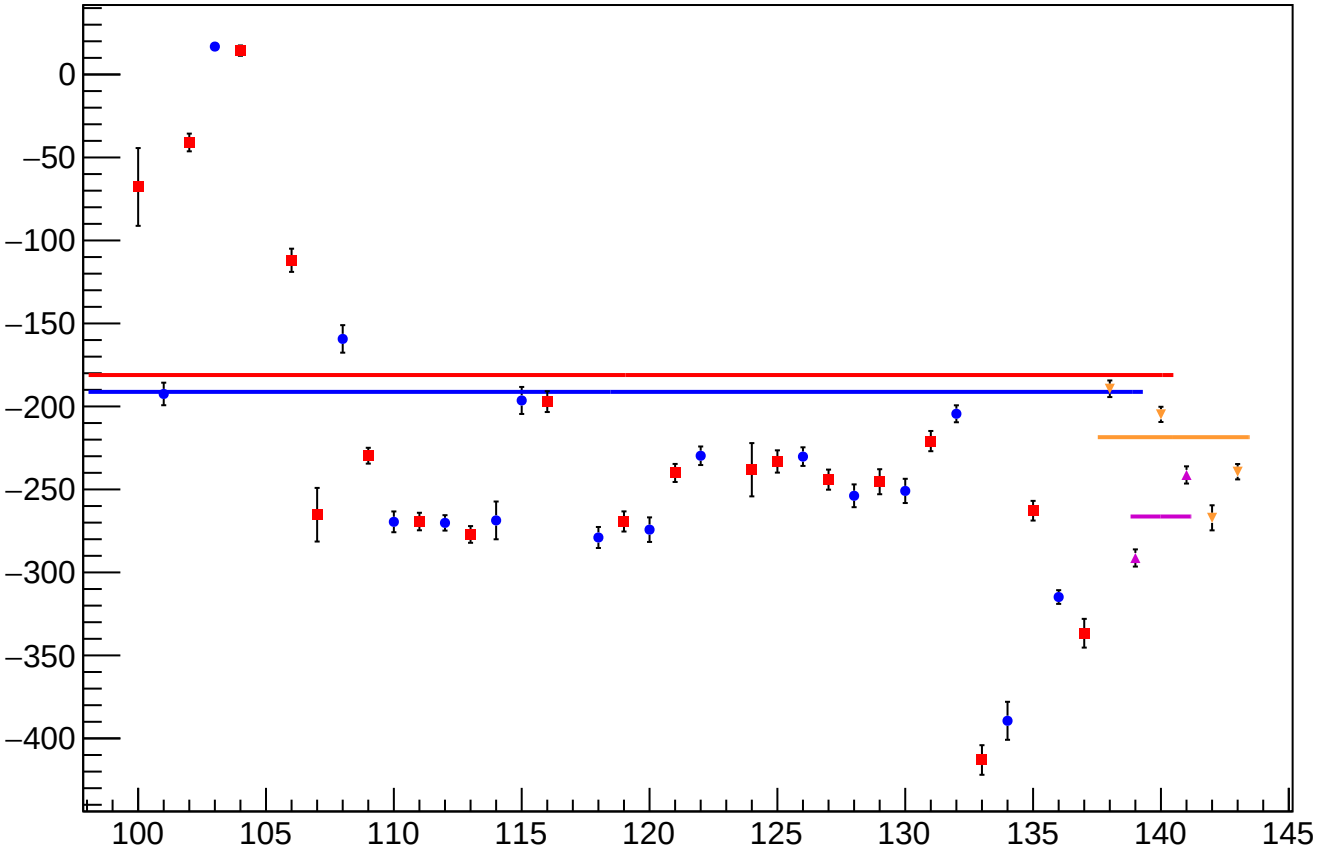
Left In: 17.146+/-0.057 χ^2/NDF:2211.0/1

+ sign -0.869+/-0.035 χ^2/NDF: 776154.7/19

All: 1.628+/-0.025 χ^2/NDF: 1104027.1/40

- sign 4.312+/-0.036 χ^2/NDF: 317182.5/20

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -218.519+/-2.567 χ^2/NDF:104.5/3

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

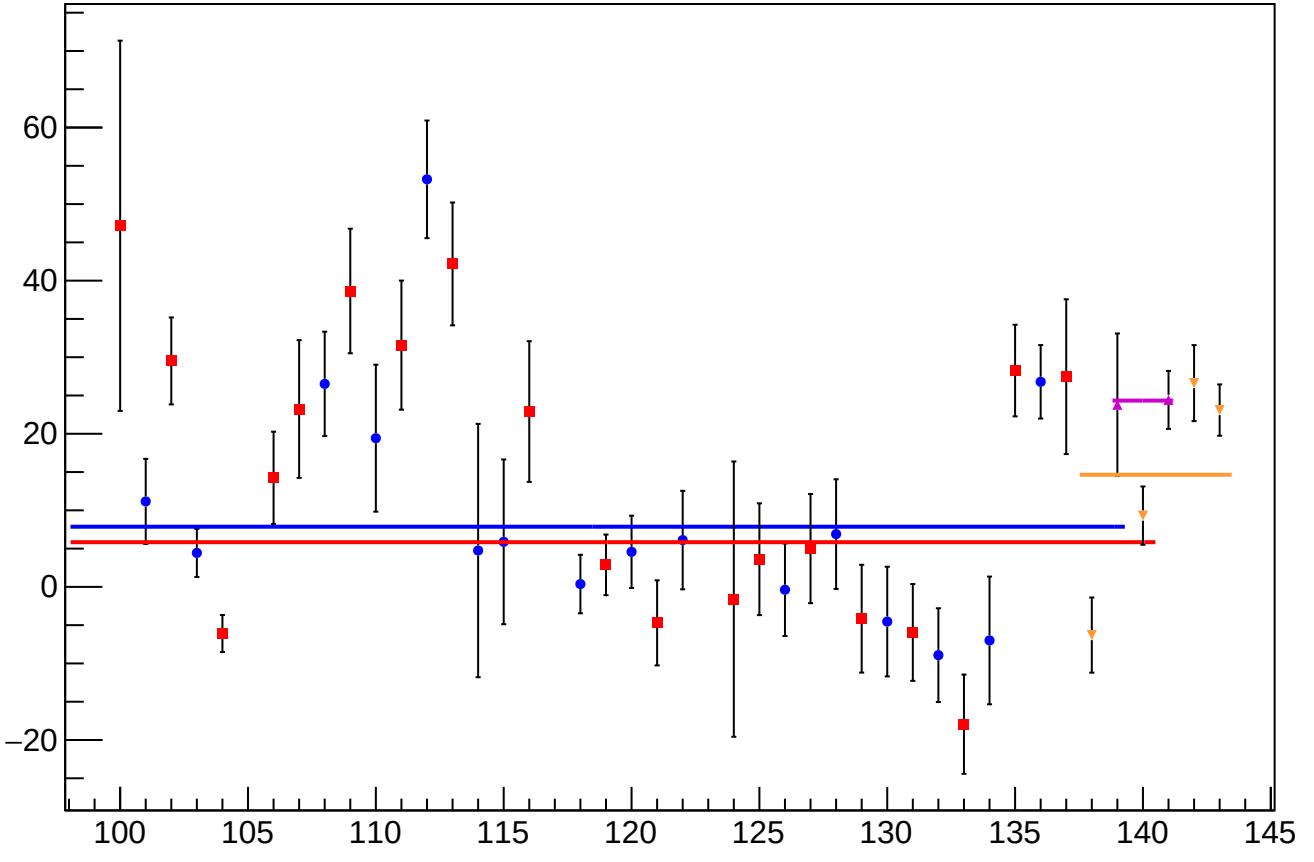
Left In: -266.311+/-3.664 χ^2/NDF:46.6/1

+ sign -197.609+/-1.242 χ^2/NDF: 7415.8/19

All: -194.777+/-0.896 χ^2/NDF: 15321.0/40

- sign -191.703+/-1.293 χ^2/NDF: 7894.3/20

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 14.645+/-2.041 χ^2/NDF:32.3/3

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

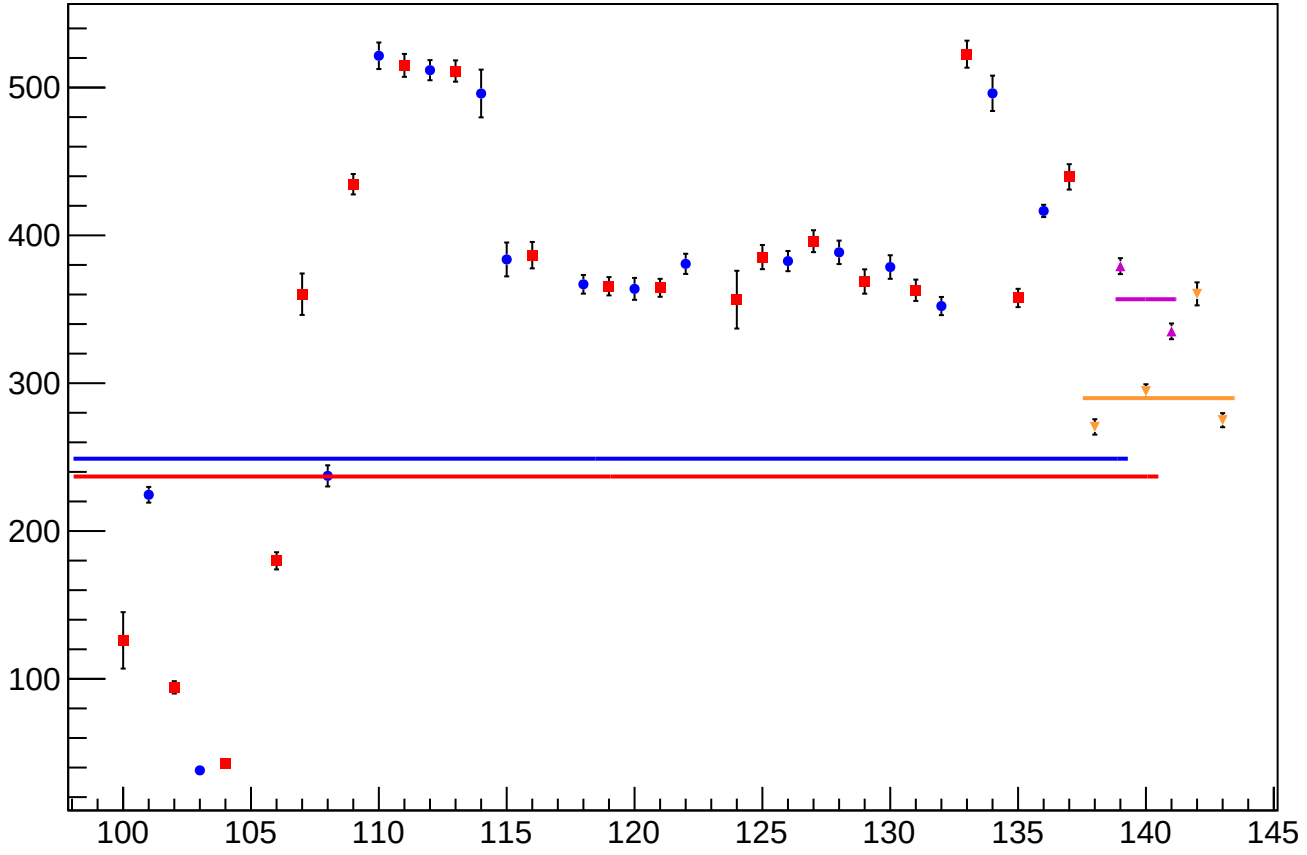
Left In: 24.334+/-3.509 χ^2/NDF:0.0/1

+ sign 10.110+/-1.176 χ^2/NDF: 120.6/19

All: 9.243+/-0.861 χ^2/NDF: 287.8/40

- sign 8.241+/-1.264 χ^2/NDF: 166.0/20

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 289.903+/-2.651 χ^2/NDF:106.7/3

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

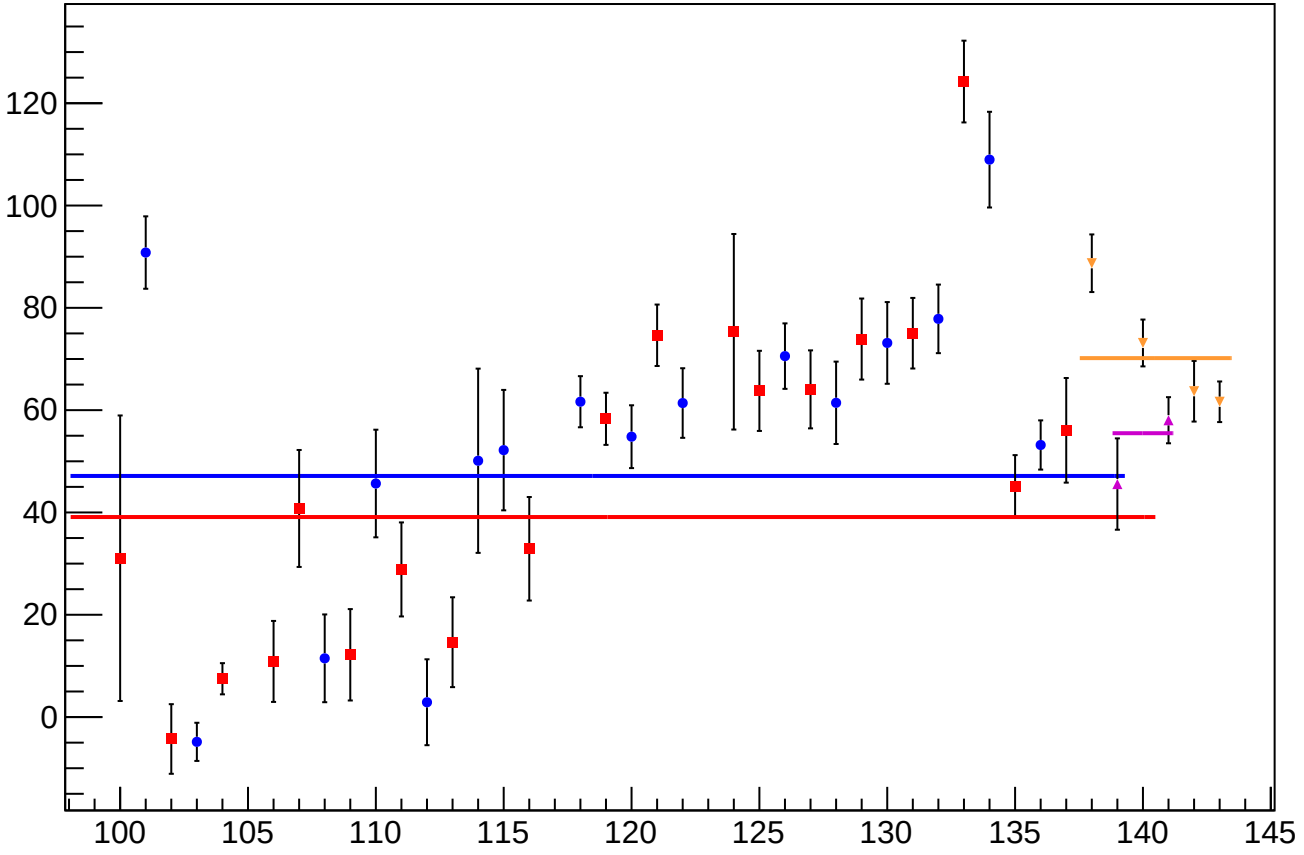
Left In: 356.805+/-3.789 χ^2/NDF:33.9/1

+ sign 258.086+/-1.253 χ^2/NDF: 15594.5/19

All: 254.915+/-0.908 χ^2/NDF: 32179.9/40

- sign 251.401+/-1.319 χ^2/NDF: 16571.9/20

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 70.171+/-2.417 χ^2/NDF:17.1/3

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

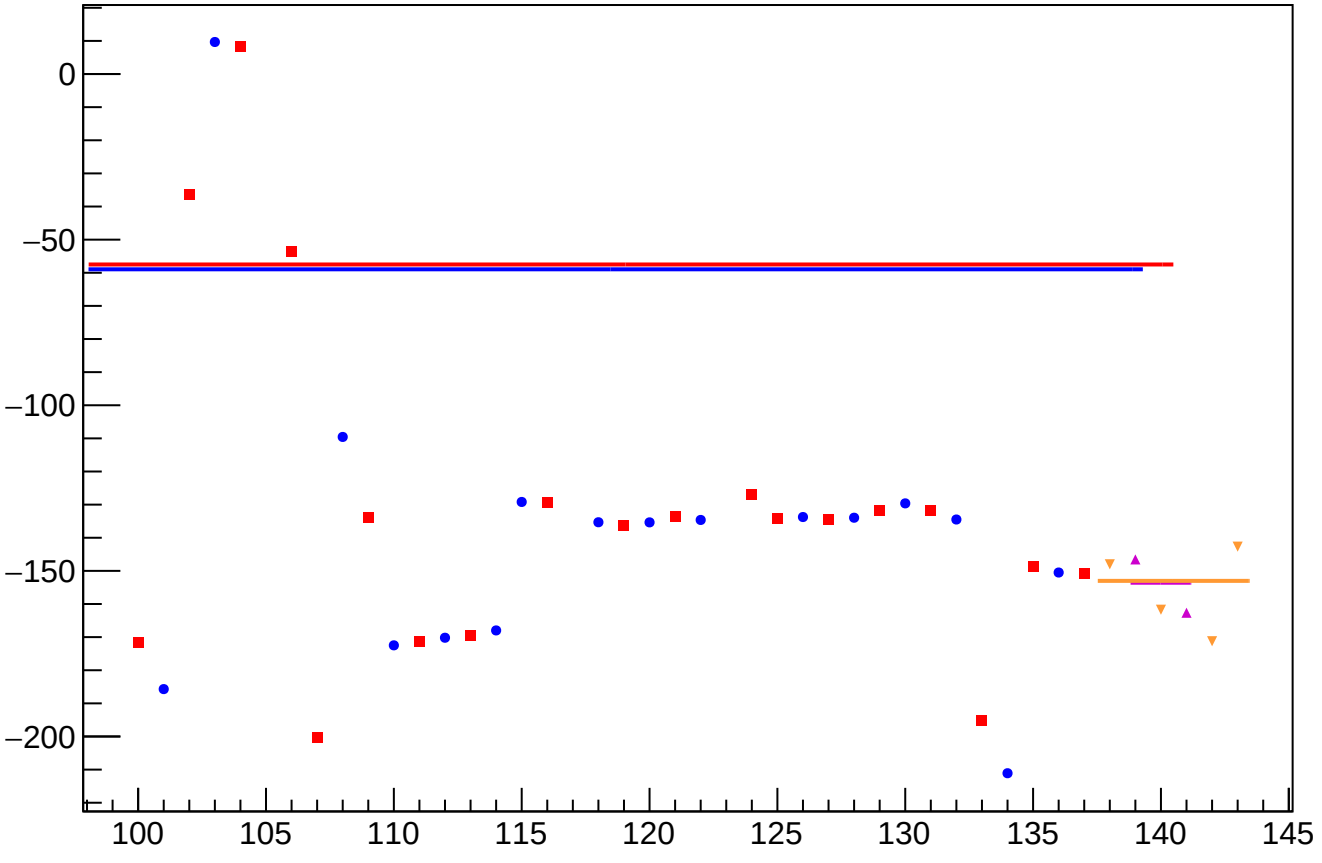
Left In: 55.493+/-4.025 χ^2/NDF:1.6/1

+ sign 54.565+/-1.373 χ^2/NDF: 463.9/19

All: 48.461+/-1.008 χ^2/NDF: 939.1/40

- sign 41.331+/-1.484 χ^2/NDF: 432.3/20

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -153.017+/-0.111 χ^2/NDF:8244.4/3

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

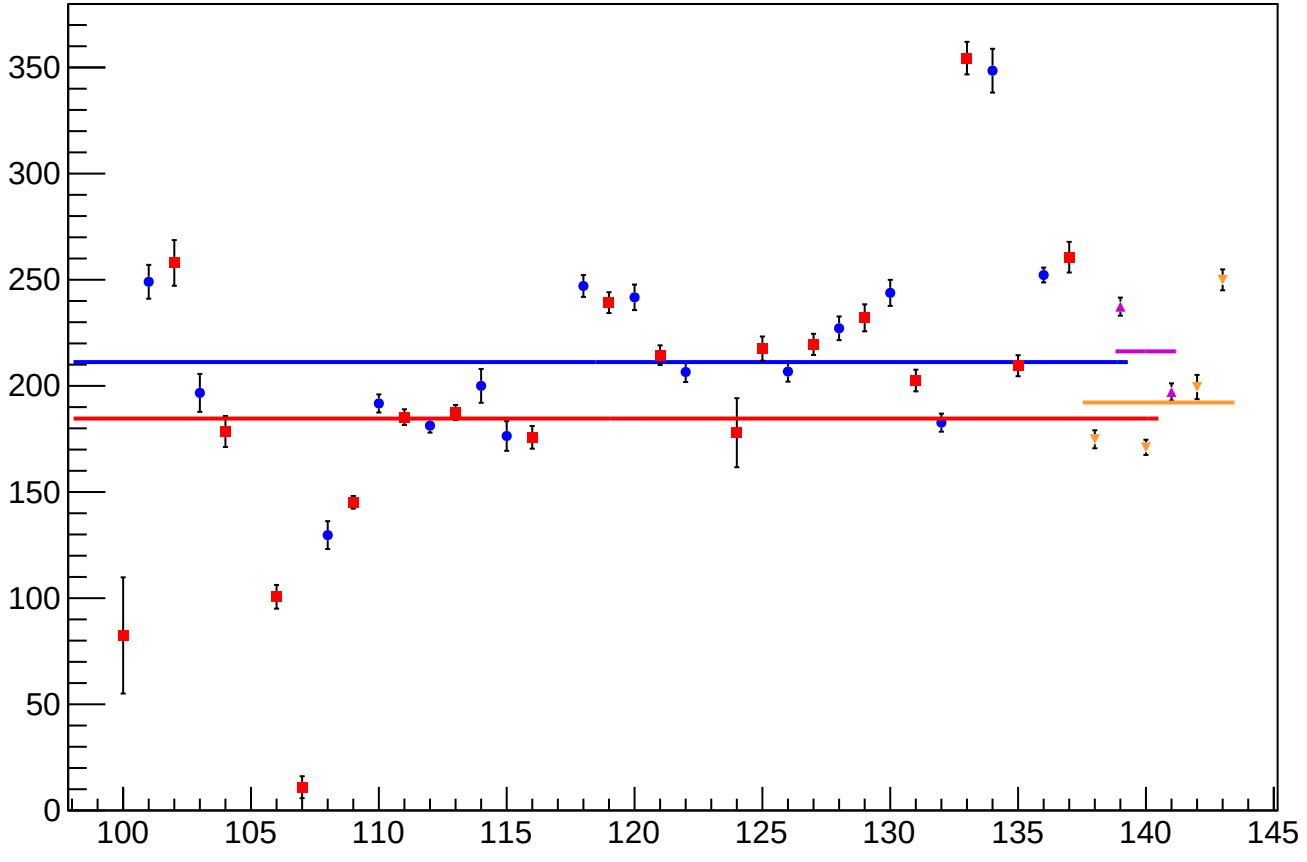
Left In: -153.577+/-0.144 χ^2/NDF:3061.9/1

+ sign -86.974+/-0.061 χ^2/NDF: 1735242.6/19

All: -82.674+/-0.045 χ^2/NDF: 2970887.7/40

- sign -77.608+/-0.066 χ^2/NDF: 1224764.5/20

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 192.177+/-2.207 χ^2/NDF:190.7/3

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

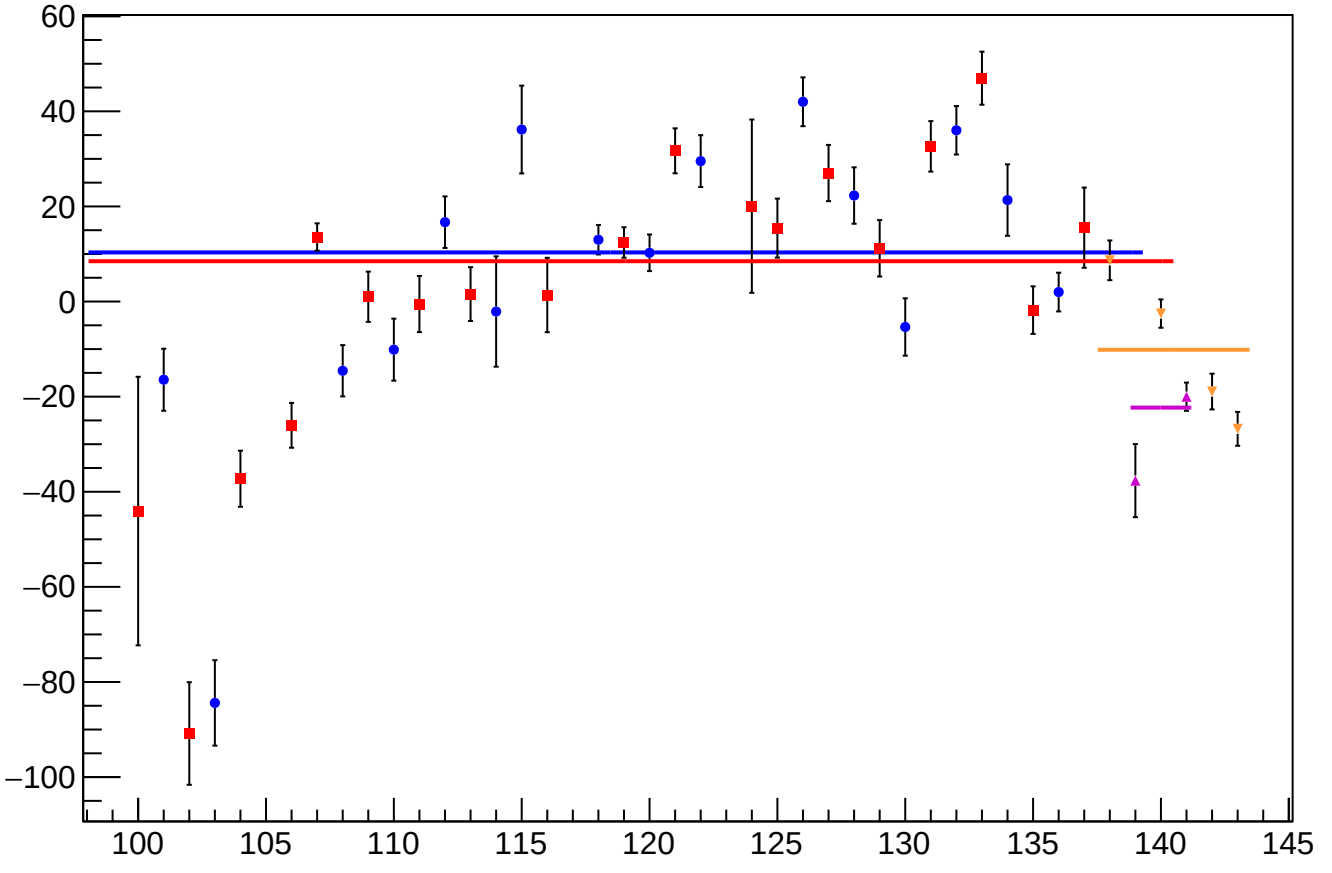
Left In: 216.264+/-2.938 χ^2/NDF:46.7/1

\+ sign 206.332+/-1.117 χ^2/NDF: 1029.0/19

All: 197.627+/-0.786 χ^2/NDF: 3835.8/40

\- sign 189.099+/-1.106 χ^2/NDF: 2686.7/20

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -10.142+/-1.769 χ^2/NDF:54.1/3

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

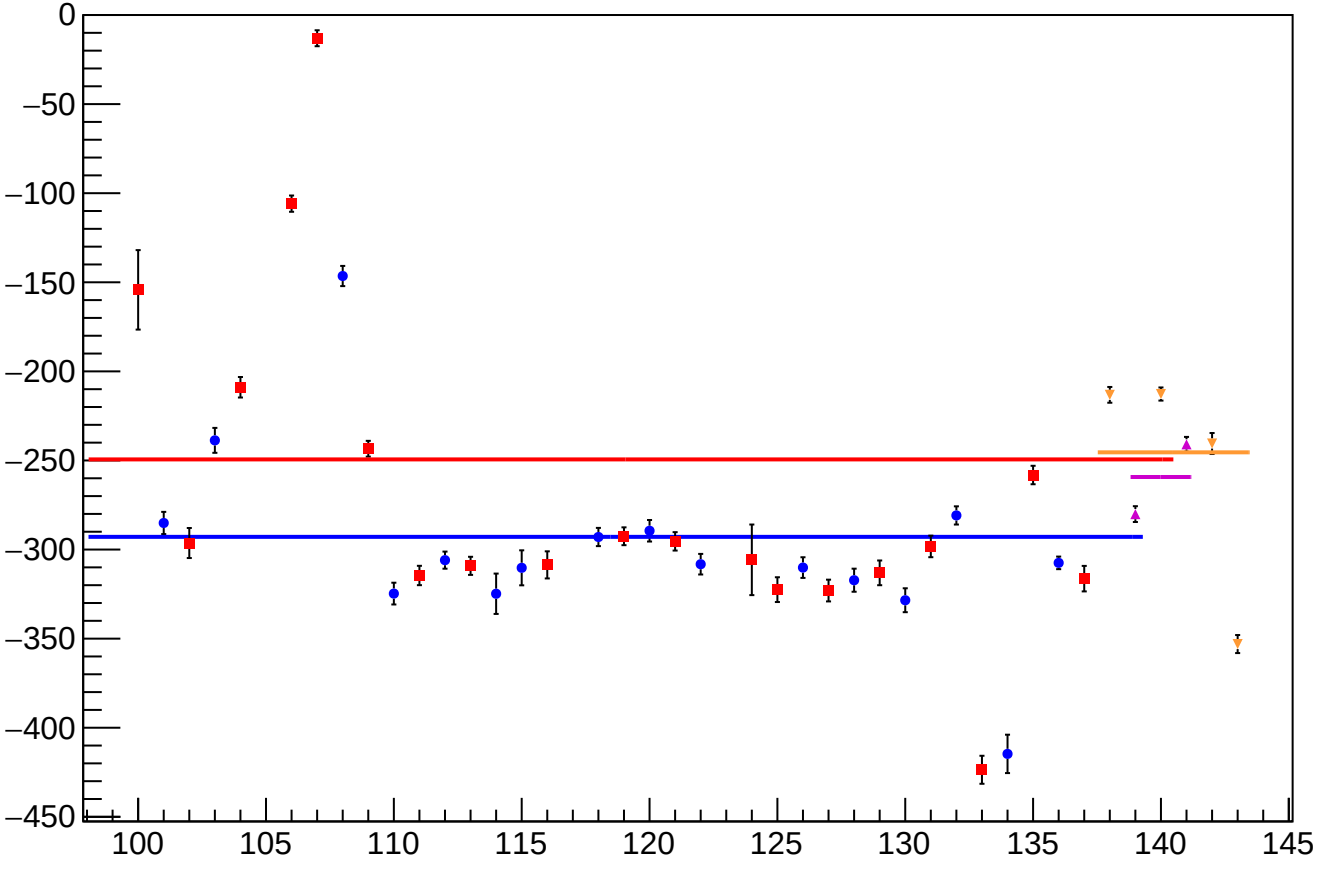
Left In: -22.303+/-2.769 χ^2/NDF:4.6/1

+ sign 2.915+/-1.064 χ^2/NDF: 402.9/19

All: 3.167+/-0.772 χ^2/NDF: 833.2/40

- sign 3.445+/-1.120 χ^2/NDF: 430.3/20

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -245.441+/-2.280 χ^2/NDF:584.3/3

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

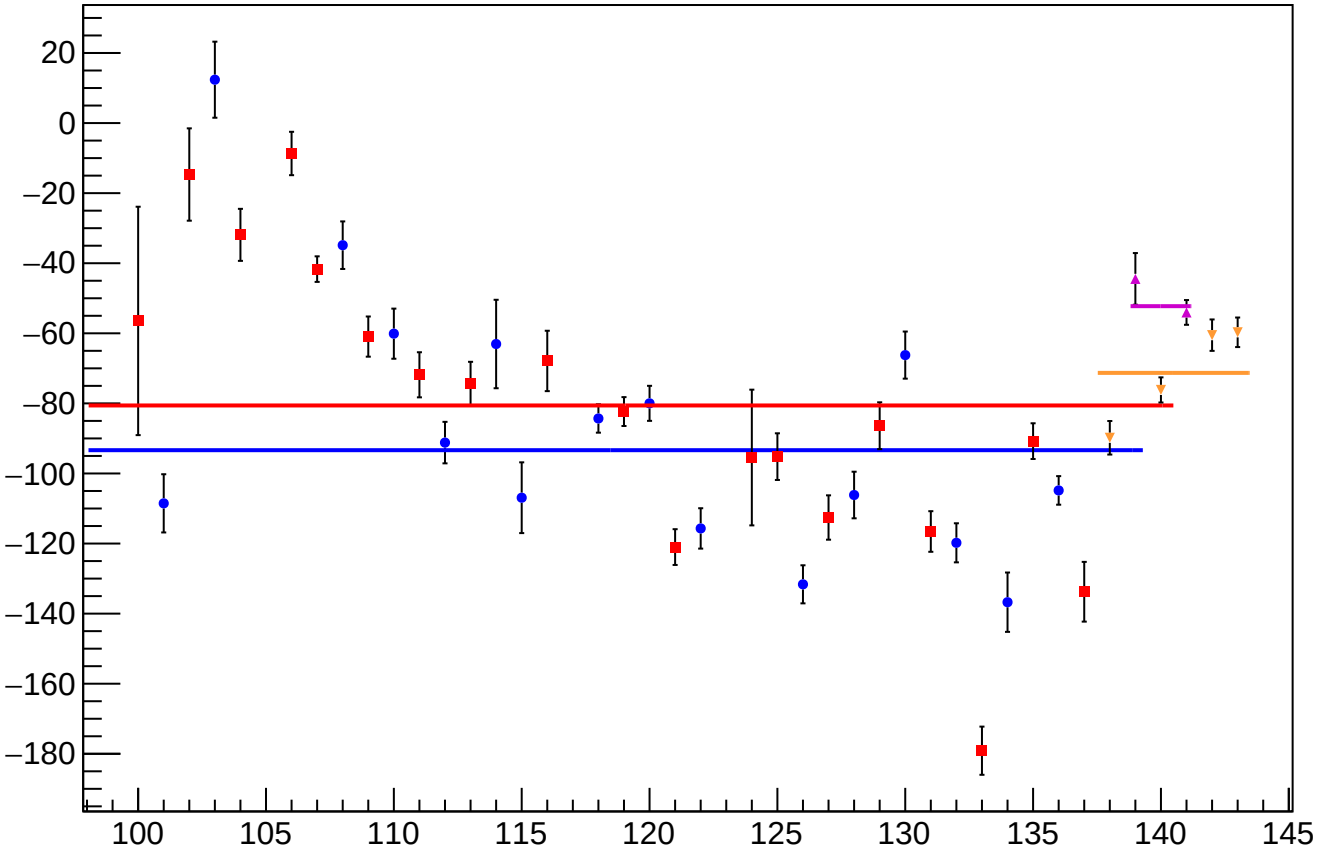
Left In: -259.281+/-3.036 χ^2/NDF:41.4/1

+ sign -278.974+/-1.234 χ^2/NDF: 1873.9/19

All: -265.180+/-0.877 χ^2/NDF: 7545.3/40

- sign -251.075+/-1.248 χ^2/NDF: 5418.7/20

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -71.294+/-2.097 χ^2/NDF:30.1/3

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

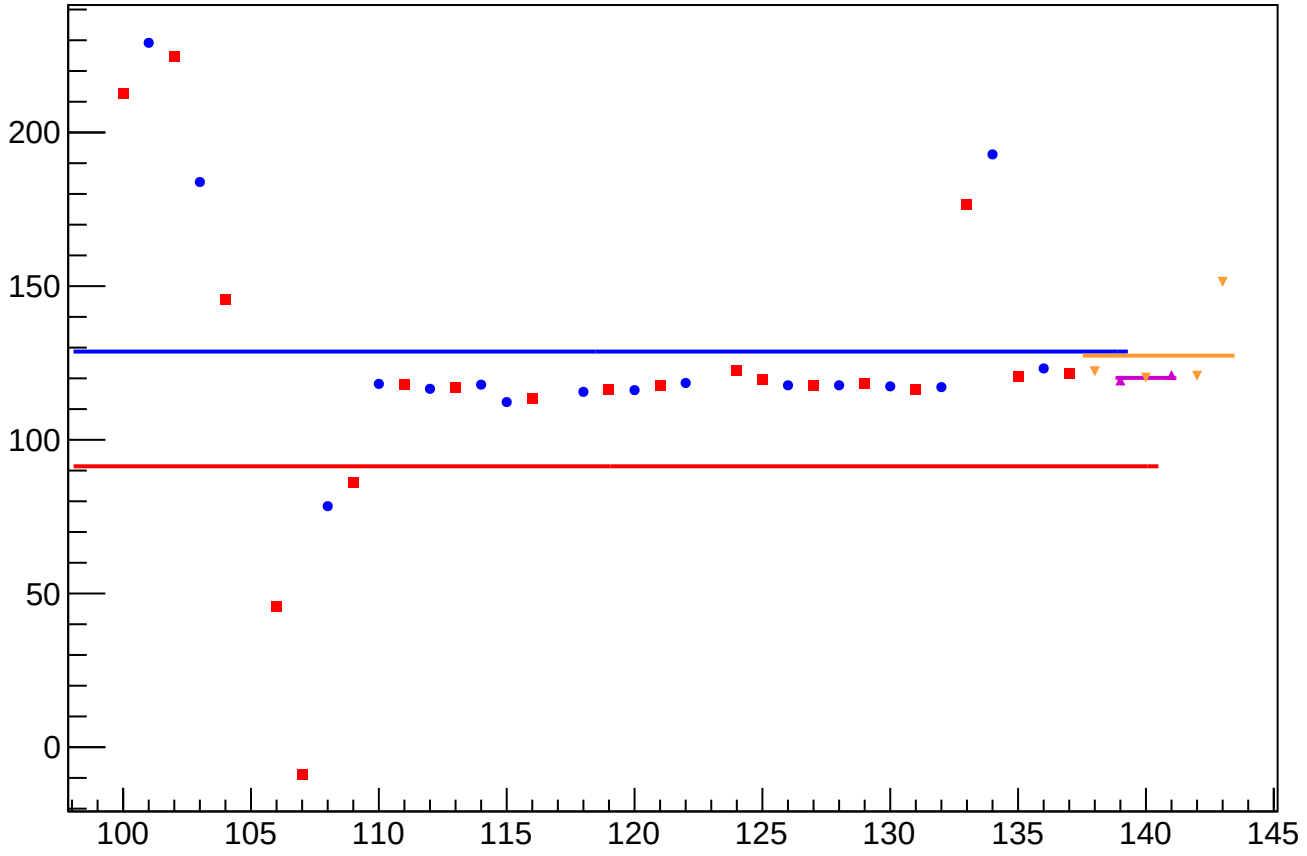
Left In: -52.255+/-3.185 χ^2/NDF:1.4/1

+ sign -85.662+/-1.238 χ^2/NDF: 457.6/19

All: -81.005+/-0.897 χ^2/NDF: 1270.0/40

- sign -75.872+/-1.300 χ^2/NDF: 782.7/20

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 127.379+/-0.096 χ^2/NDF:16372.2/3

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

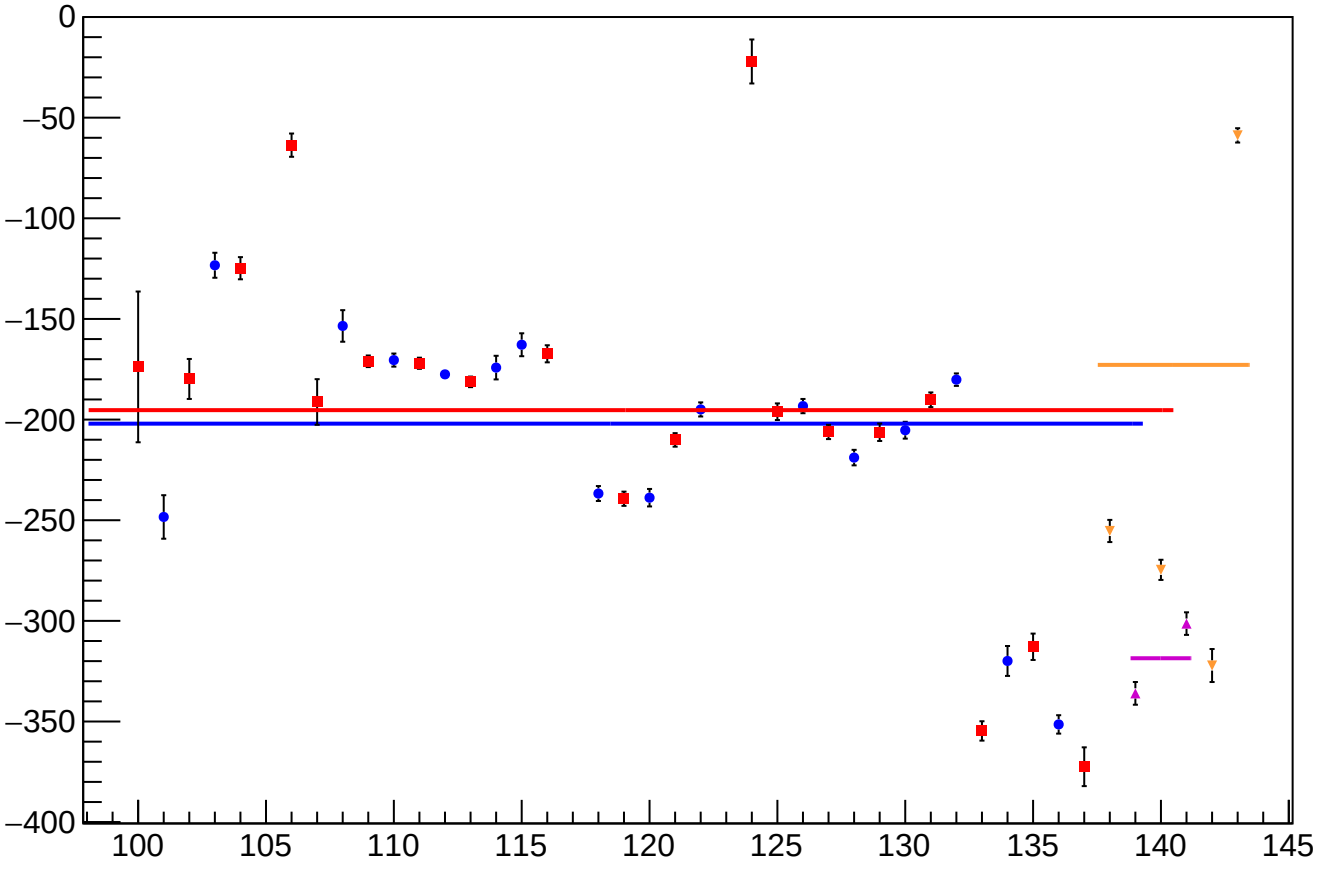
Left In: 120.149+/-0.116 χ^2/NDF:56.4/1

+ sign 128.097+/-0.065 χ^2/NDF: 199998.9/19

All: 114.291+/-0.046 χ^2/NDF: 936067.2/40

- sign 100.478+/-0.065 χ^2/NDF: 646814.7/20

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -172.824+/-2.449 χ^2/NDF:1996.8/3

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

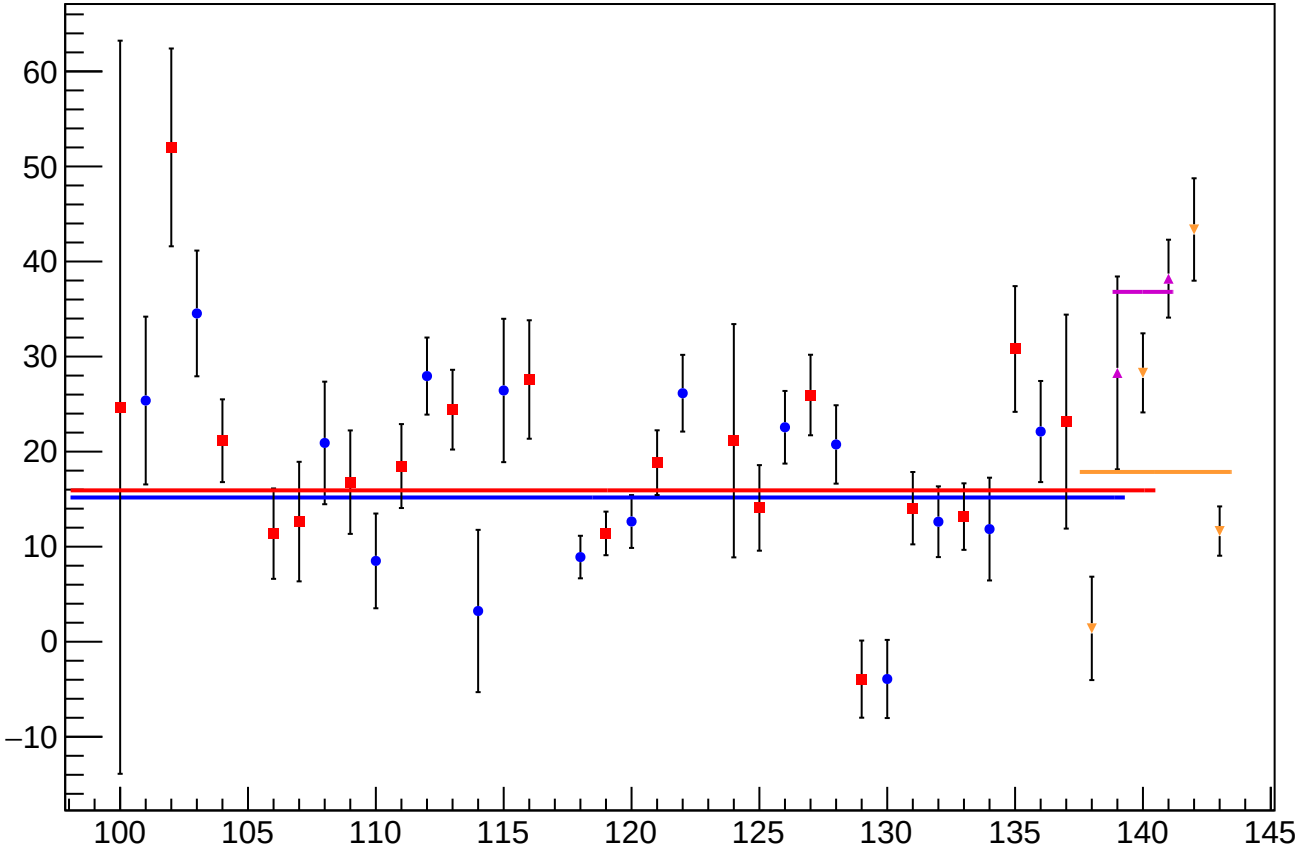
Left In: -318.568+/-3.979 χ^2/NDF:19.0/1

\+ sign -197.675+/-0.945 χ^2/NDF: 4158.2/19

All: -199.974+/-0.669 χ^2/NDF: 8194.8/40

\- sign -202.278+/-0.946 χ^2/NDF: 4024.8/20

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 17.862+/-1.908 χ^2/NDF:43.6/3

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

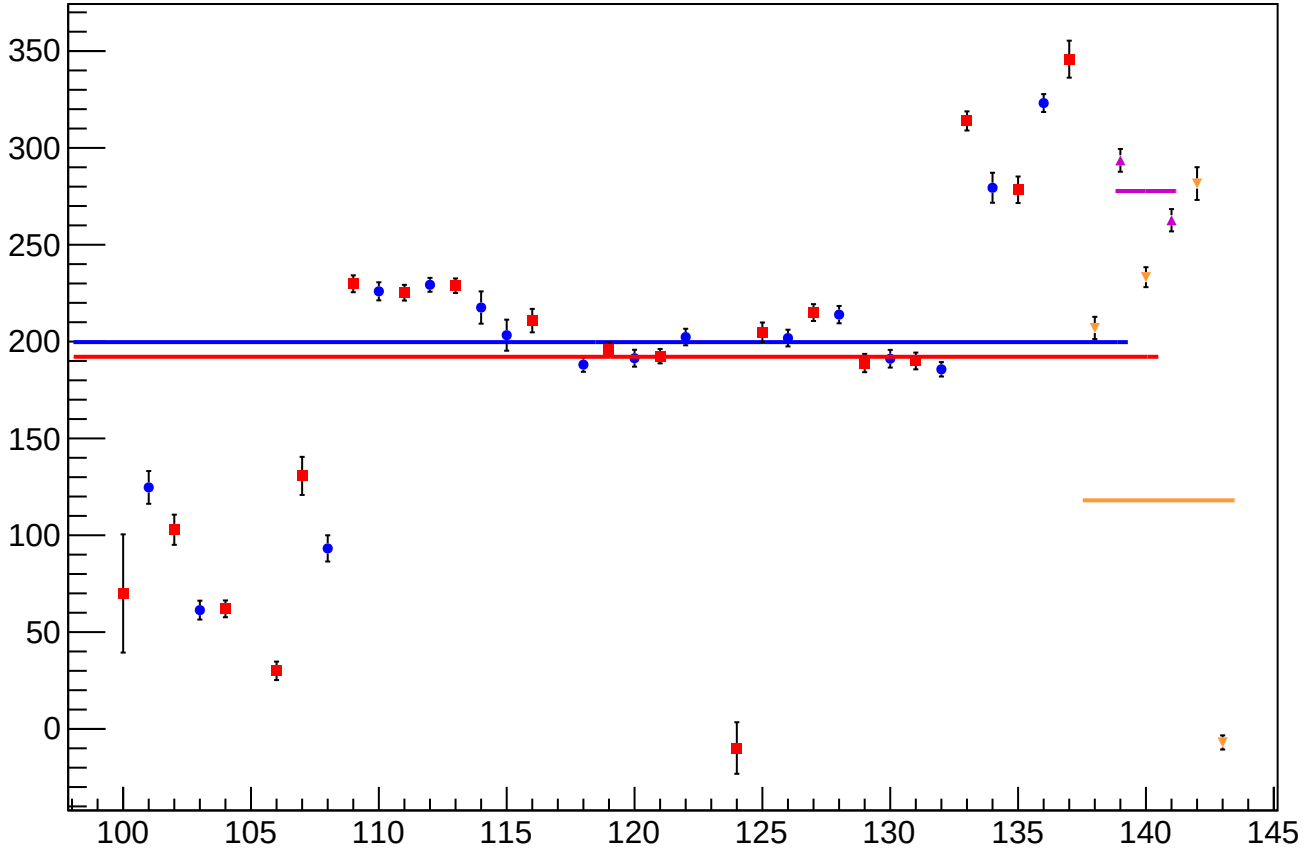
Left In: 36.805+/-3.800 χ^2/NDF:0.8/1

+ sign 15.798+/-0.918 χ^2/NDF: 117.5/19

All: 16.518+/-0.676 χ^2/NDF: 211.3/40

- sign 17.372+/-1.000 χ^2/NDF: 92.5/20

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 118.033+/-2.527 χ^2/NDF:2281.8/3

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

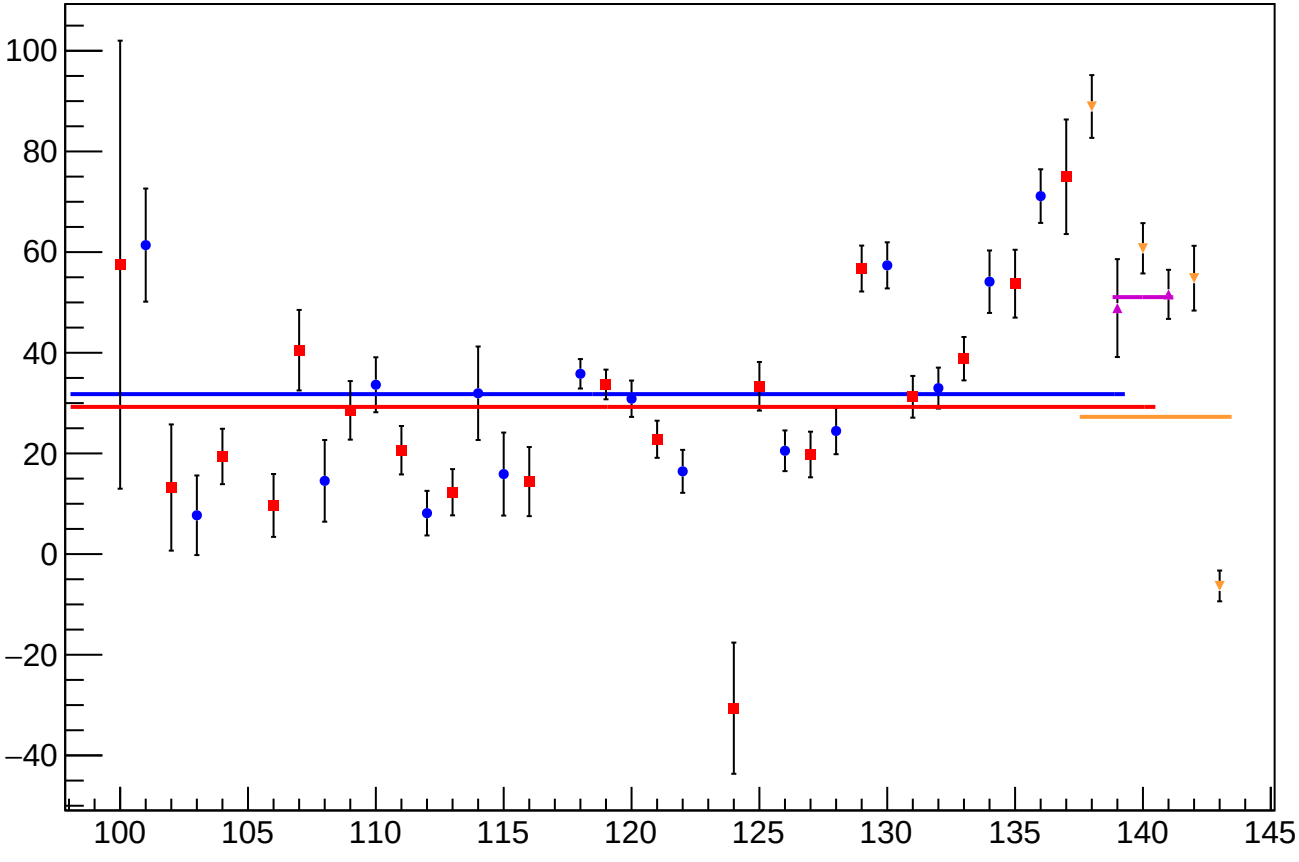
Left In: 277.757+/-4.115 χ^2/NDF:14.1/1

+ sign 184.772+/-1.081 χ^2/NDF: 5237.5/19

All: 191.398+/-0.774 χ^2/NDF: 9507.2/40

- sign 198.362+/-1.108 χ^2/NDF: 4192.6/20

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 27.269+/-2.254 χ^2/NDF:281.7/3

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

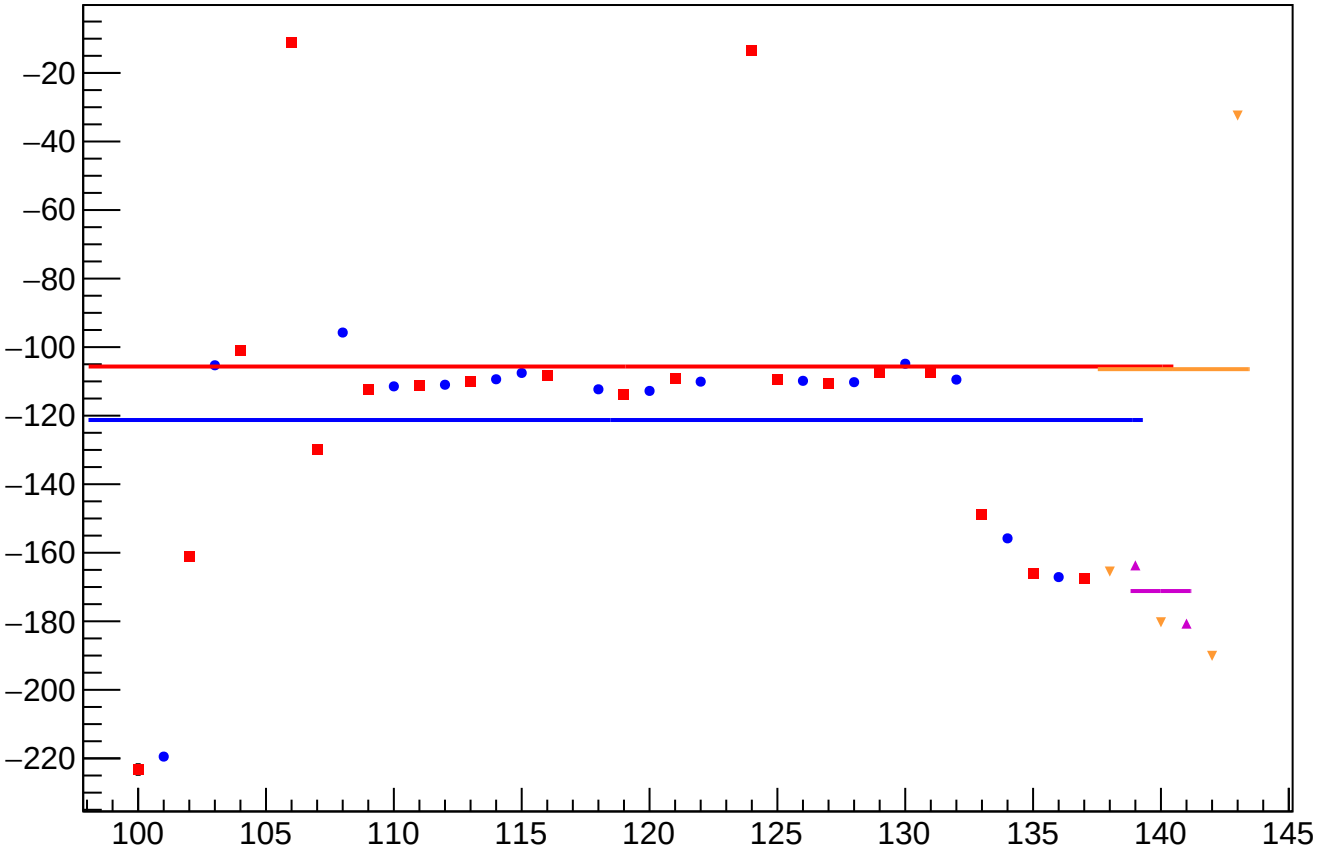
Left In: 51.058+/-4.360 χ^2/NDF:0.1/1

\+ sign 30.764+/-1.071 χ^2/NDF: 461.8/19

All: 30.768+/-0.785 χ^2/NDF: 626.0/40

\- sign 30.773+/-1.154 χ^2/NDF: 164.2/20

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -106.431+/-0.106 χ^2/NDF:464200.6/3

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

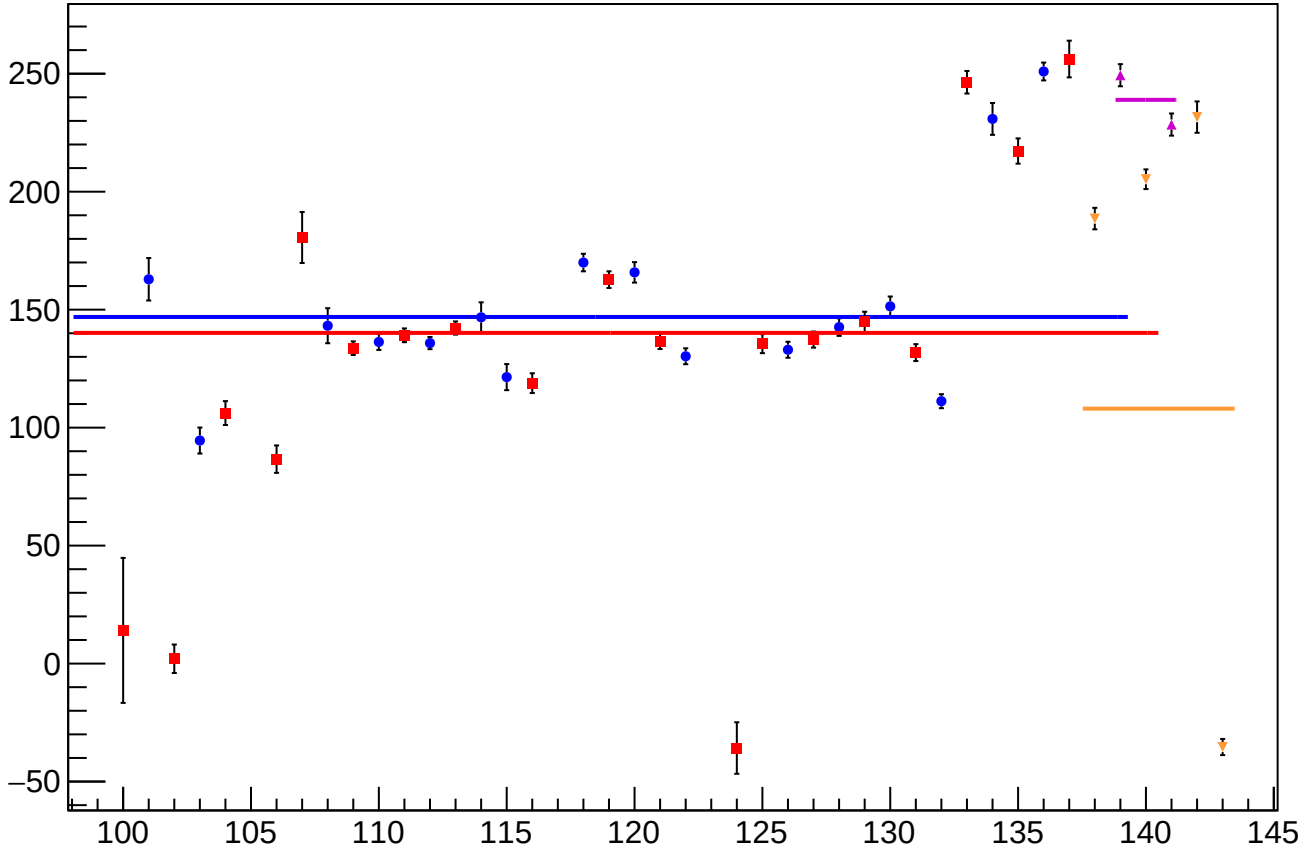
Left In: -171.171+/-0.157 χ^2/NDF:2898.6/1

+ sign -115.937+/-0.063 χ^2/NDF: 596202.1/19

All: -116.806+/-0.046 χ^2/NDF: 1096971.0/40

- sign -117.789+/-0.067 χ^2/NDF: 500368.7/20

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 108.049+/-2.162 χ^2/NDF:2961.7/3

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

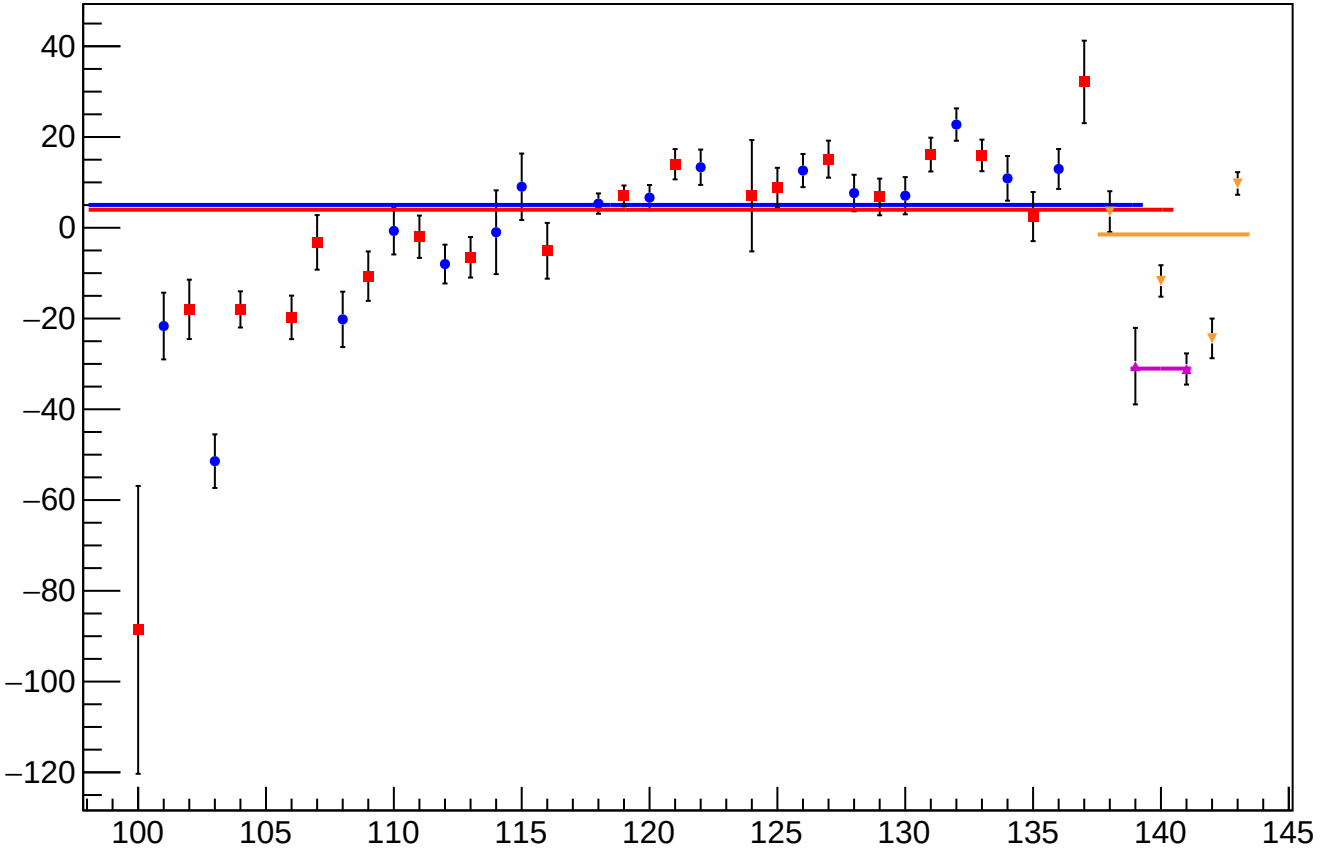
Left In: 238.922+/-3.318 χ^2/NDF:9.9/1

+ sign 140.022+/-0.910 χ^2/NDF: 4529.4/19

All: 143.851+/-0.648 χ^2/NDF: 7343.3/40

- sign 147.782+/-0.922 χ^2/NDF: 2778.1/20

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -1.465+/-1.700 χ^2/NDF:57.8/3

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

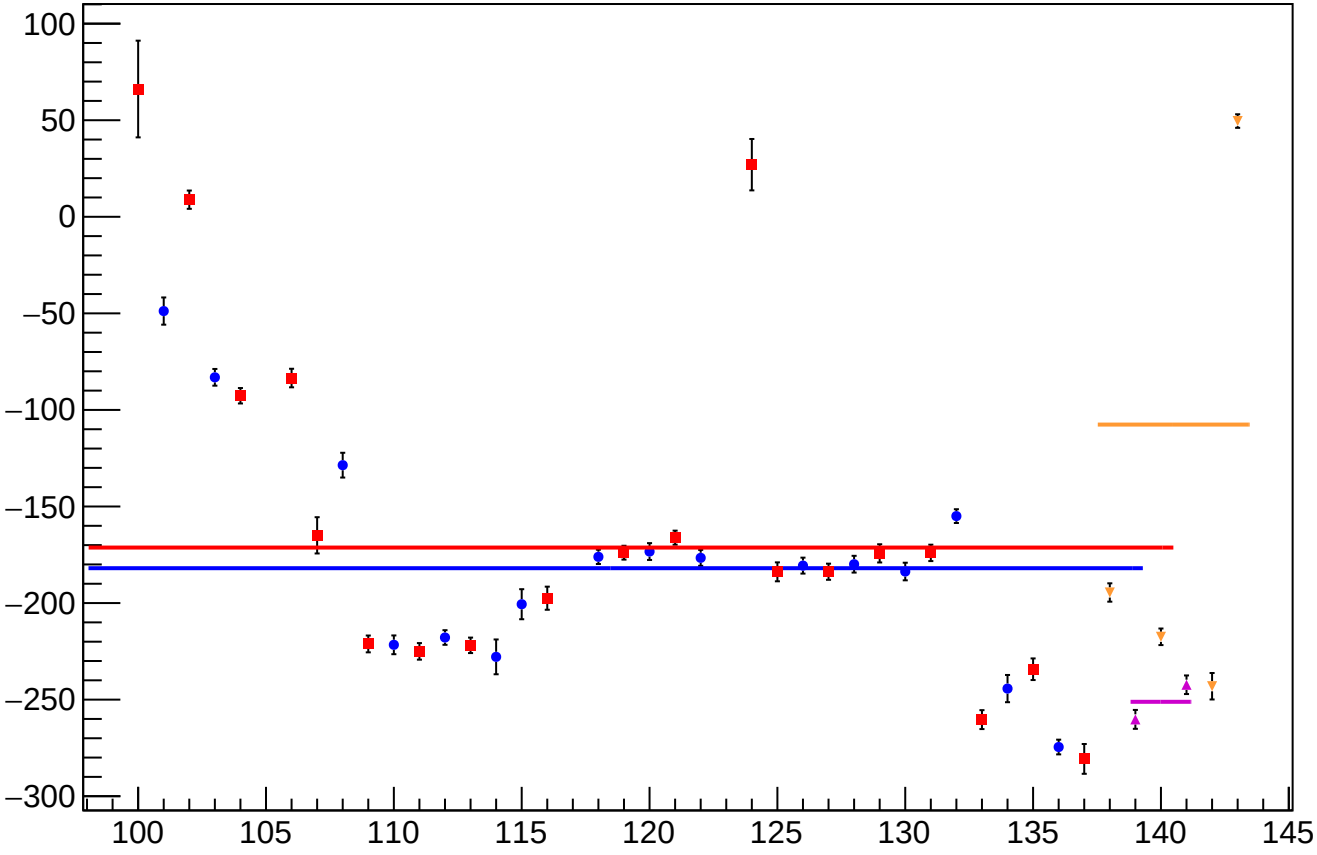
Left In: -31.032+/-3.180 χ^2/NDF:0.0/1

+ sign 3.314+/-0.875 χ^2/NDF: 240.4/19

All: 2.159+/-0.648 χ^2/NDF: 499.2/40

- sign 0.756+/-0.964 χ^2/NDF: 254.9/20

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -107.585+/-2.232 χ^2/NDF:3379.2/3

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

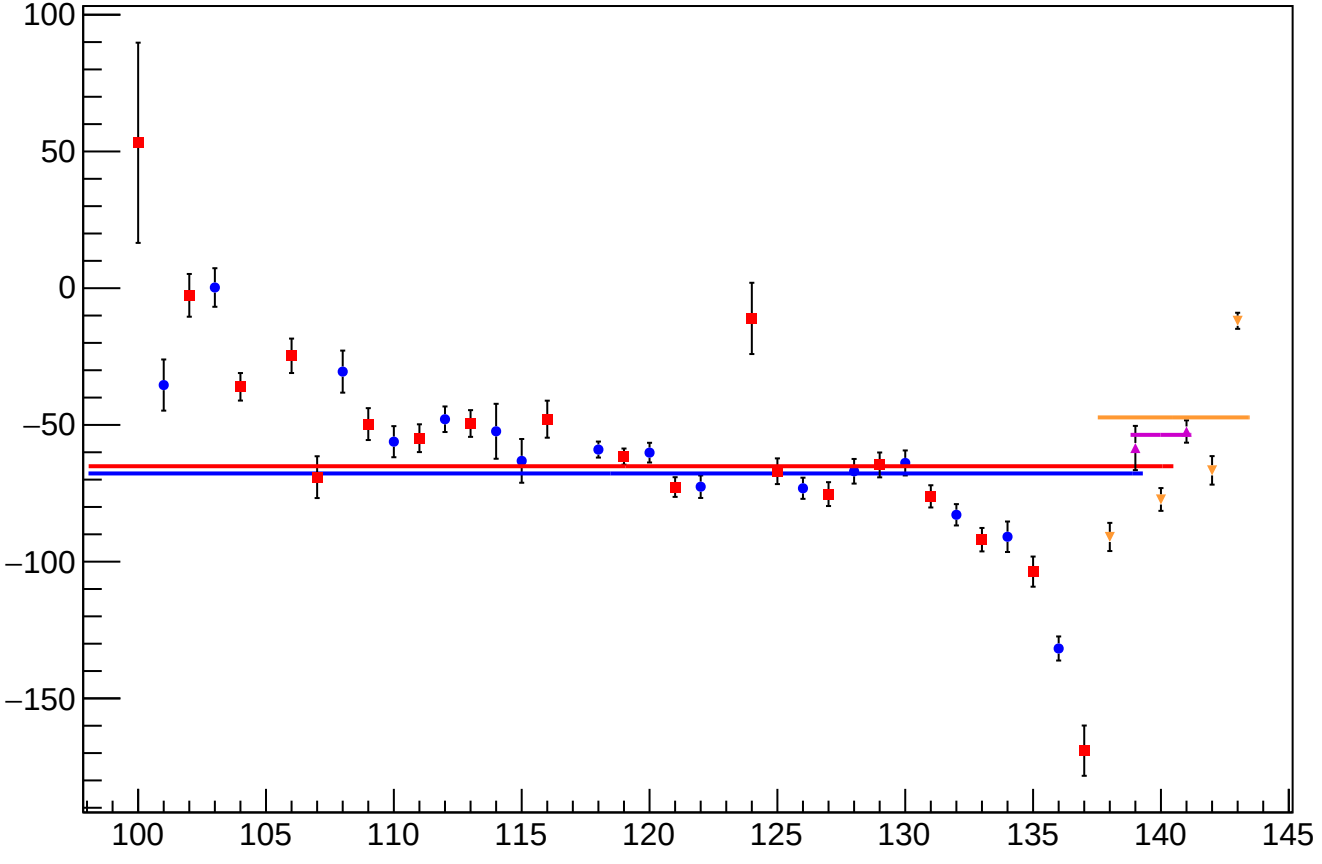
Left In: -251.129+/-3.431 χ^2/NDF:6.8/1

+ sign -166.258+/-1.025 χ^2/NDF: 6125.8/19

All: -172.356+/-0.736 χ^2/NDF: 10324.2/40

- sign -178.841+/-1.057 χ^2/NDF: 4125.3/20

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -47.251+/-2.009 χ^2/NDF:282.1/3

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

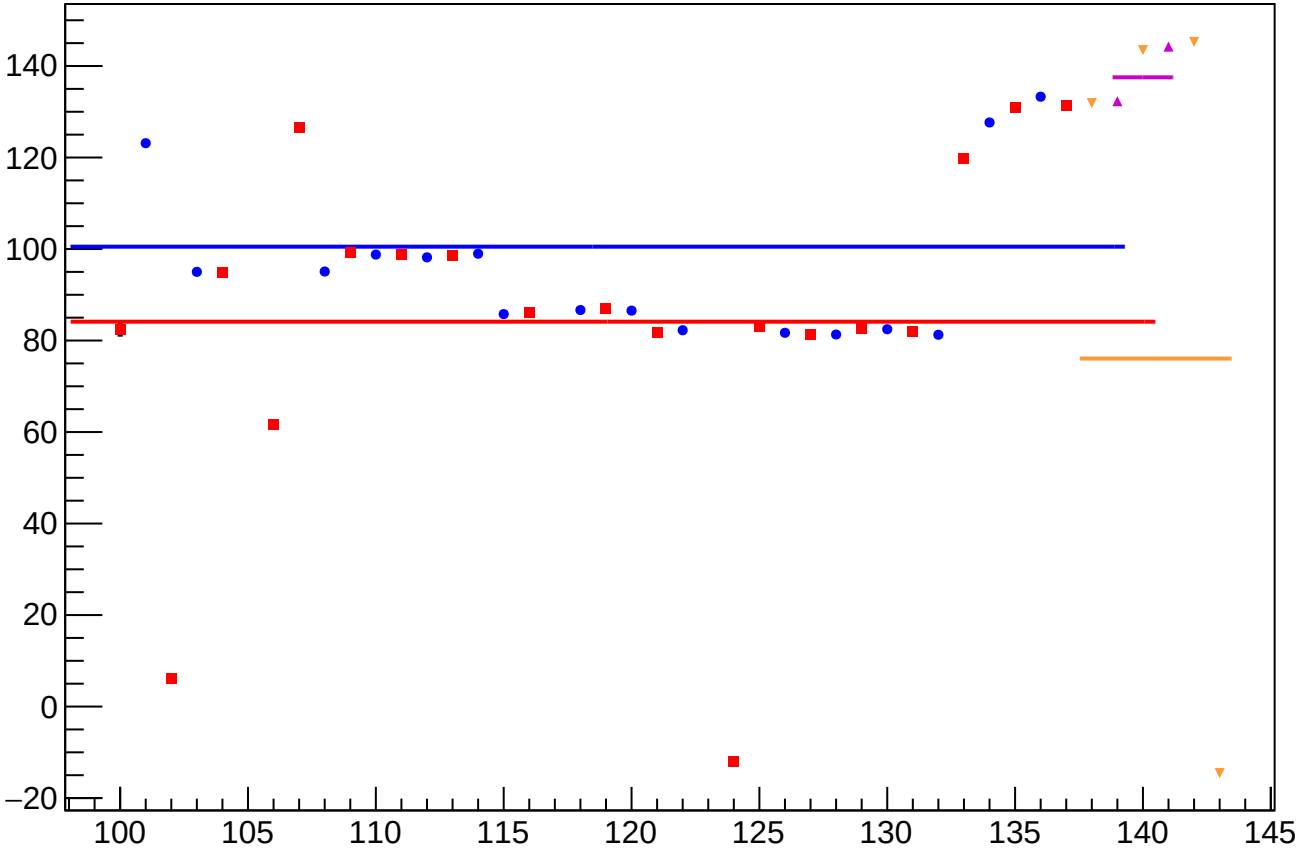
Left In: -53.632+/-3.647 χ^2/NDF:0.4/1

+ sign -62.482+/-1.018 χ^2/NDF: 773.5/19

All: -63.193+/-0.751 χ^2/NDF: 1213.0/40

- sign -64.040+/-1.111 χ^2/NDF: 438.5/20

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 76.065+/-0.093 χ^2/NDF:655782.3/3

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

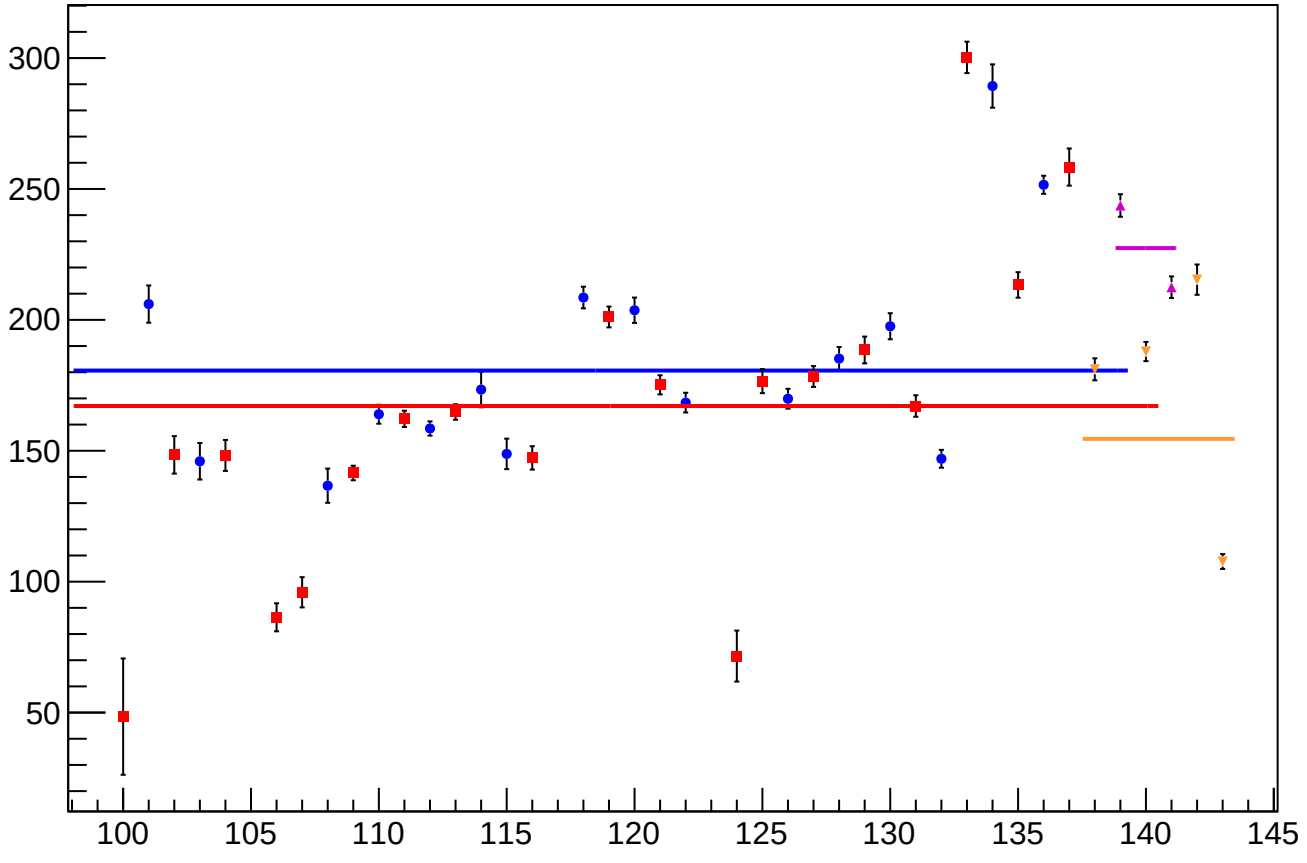
Left In: 137.530+/-0.131 χ^2/NDF:2054.3/1

+ sign 91.104+/-0.058 χ^2/NDF: 765318.0/19

All: 93.334+/-0.042 χ^2/NDF: 1164724.0/40

- sign 95.813+/-0.061 χ^2/NDF: 396285.8/20

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: 154.542+/-1.874 χ^2/NDF:504.9/3

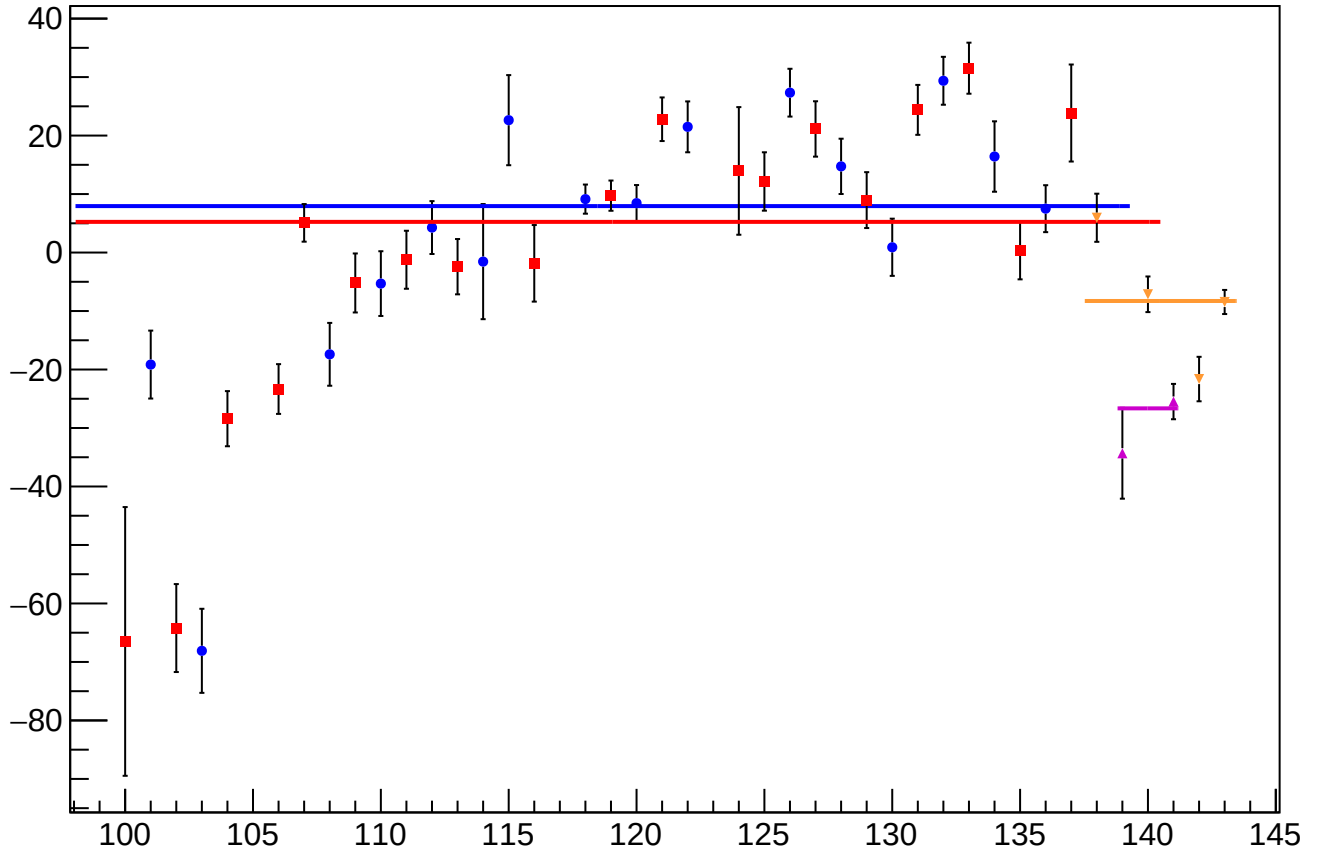
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.422+/-2.984 χ^2/NDF:27.3/1

+ sign 174.044+/-0.942 χ^2/NDF: 1643.1/19

All: 173.741+/-0.674 χ^2/NDF: 3521.1/40

- sign 173.422+/-0.966 χ^2/NDF: 1877.7/20



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

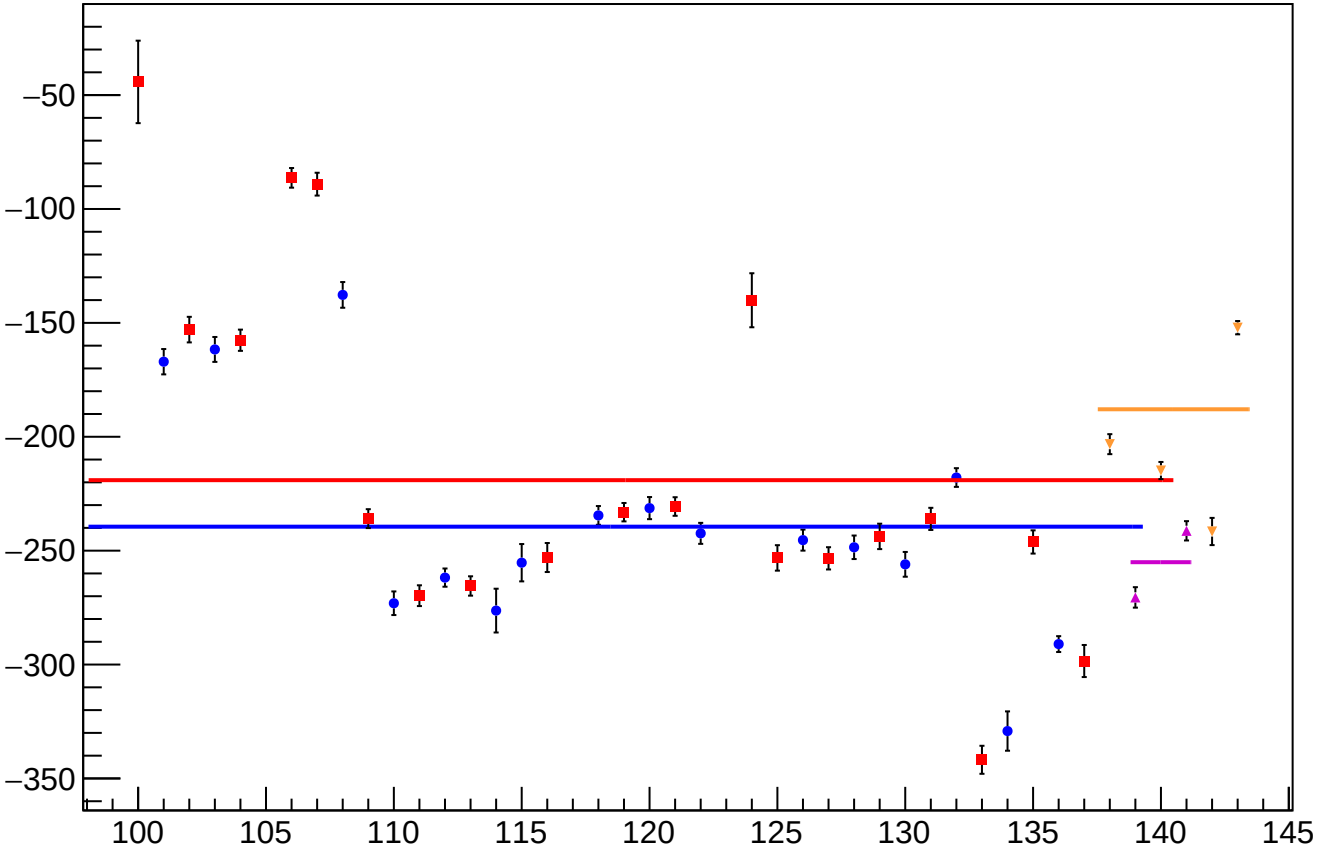
Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

+ sign 1.958+/-0.884 χ^2/NDF: 335.7/19

All: 1.655+/-0.661 χ^2/NDF: 752.3/40

- sign 1.272+/-0.994 χ^2/NDF: 416.3/20

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: -187.932+/-1.934 χ^2/NDF:294.1/3

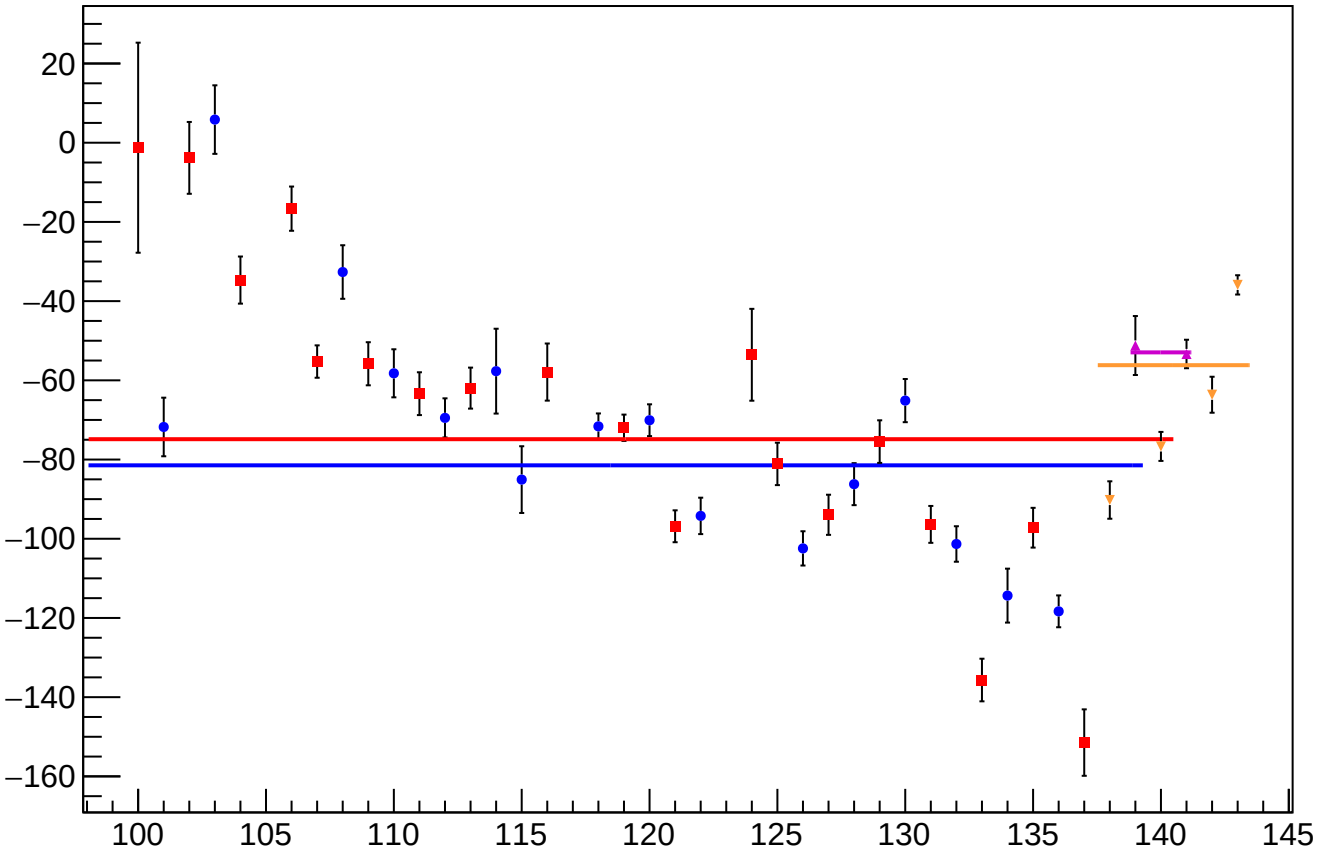
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -255.062+/-3.084 χ^2/NDF:22.4/1

+ sign -224.356+/-1.047 χ^2/NDF: 1958.5/19

All: -224.009+/-0.758 χ^2/NDF: 5149.4/40

- sign -223.626+/-1.099 χ^2/NDF: 3190.7/20



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -56.172+/-1.724 χ^2/NDF:155.2/3

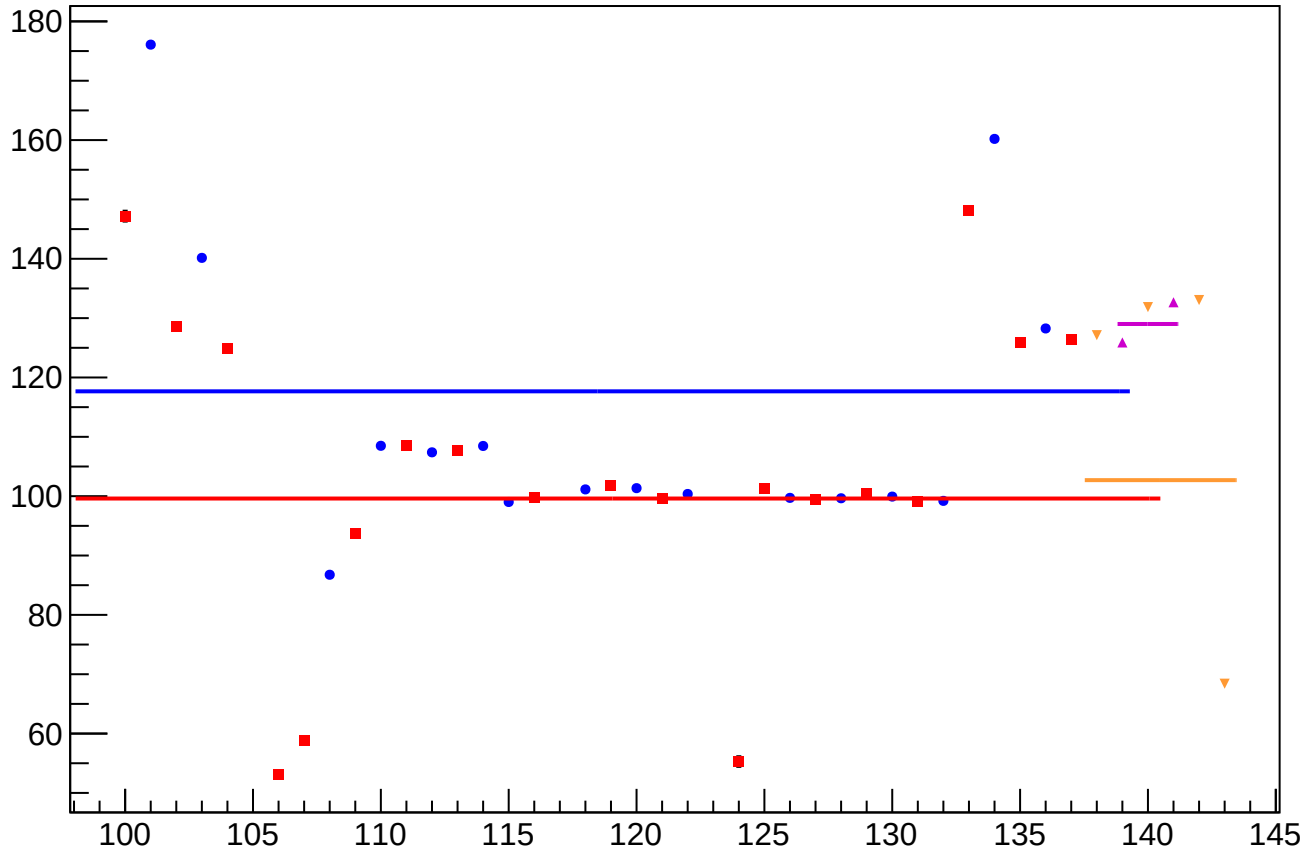
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -52.941+/-3.238 χ^2/NDF:0.1/1

\+ sign -72.416+/-1.031 χ^2/NDF: 659.8/19

All: -72.274+/-0.768 χ^2/NDF: 1276.6/40

\- sign -72.097+/-1.150 χ^2/NDF: 616.7/20



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 102.702+/-0.081 χ^2/NDF:144069.0/3

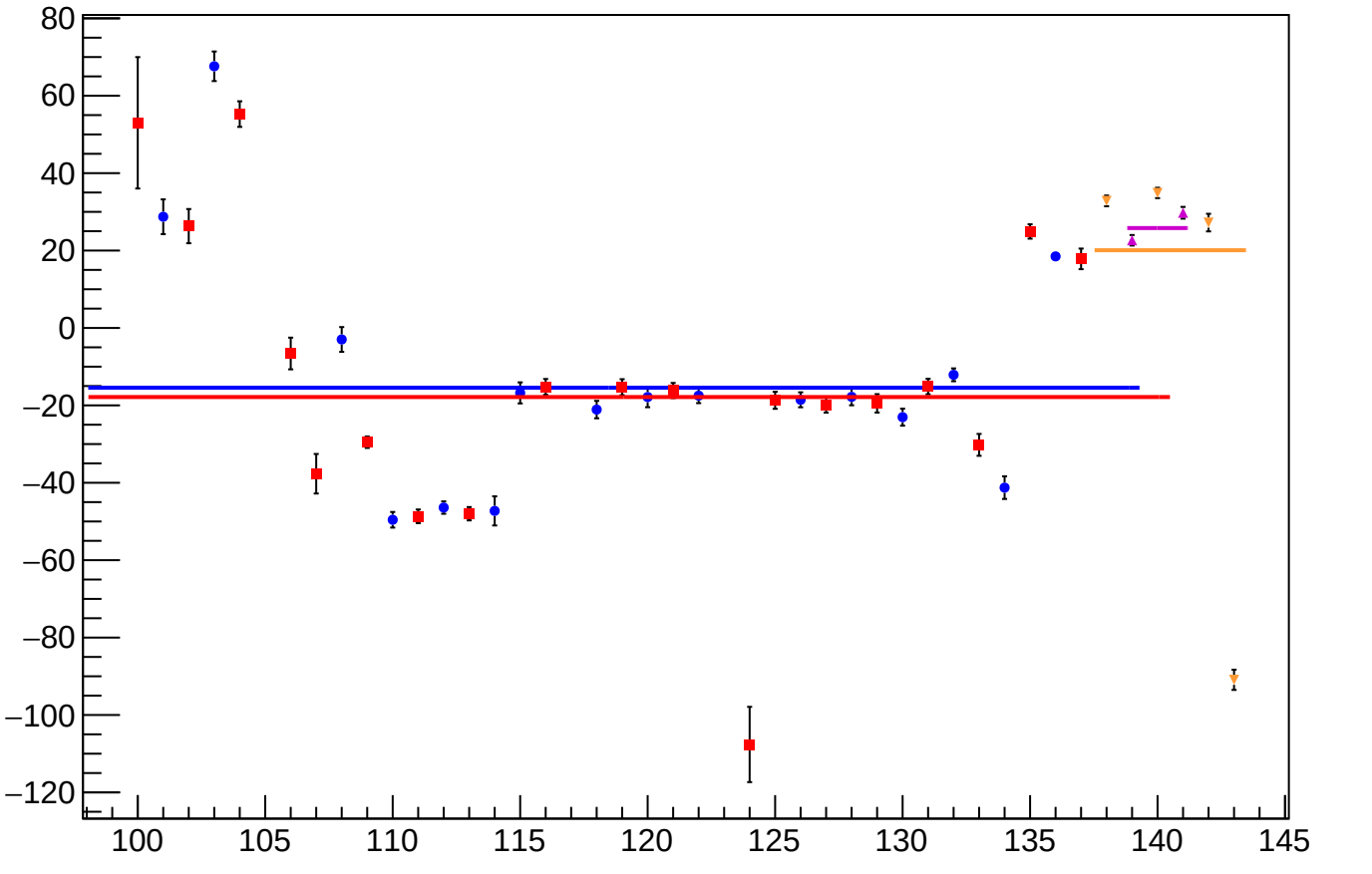
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.012+/-0.118 χ^2/NDF:818.0/1

+ sign 110.460+/-0.056 χ^2/NDF: 257073.7/19

All: 108.995+/-0.041 χ^2/NDF: 471435.6/40

- sign 107.311+/-0.060 χ^2/NDF: 212907.9/20



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 20.084+/-0.840 χ^2/NDF:2021.7/3

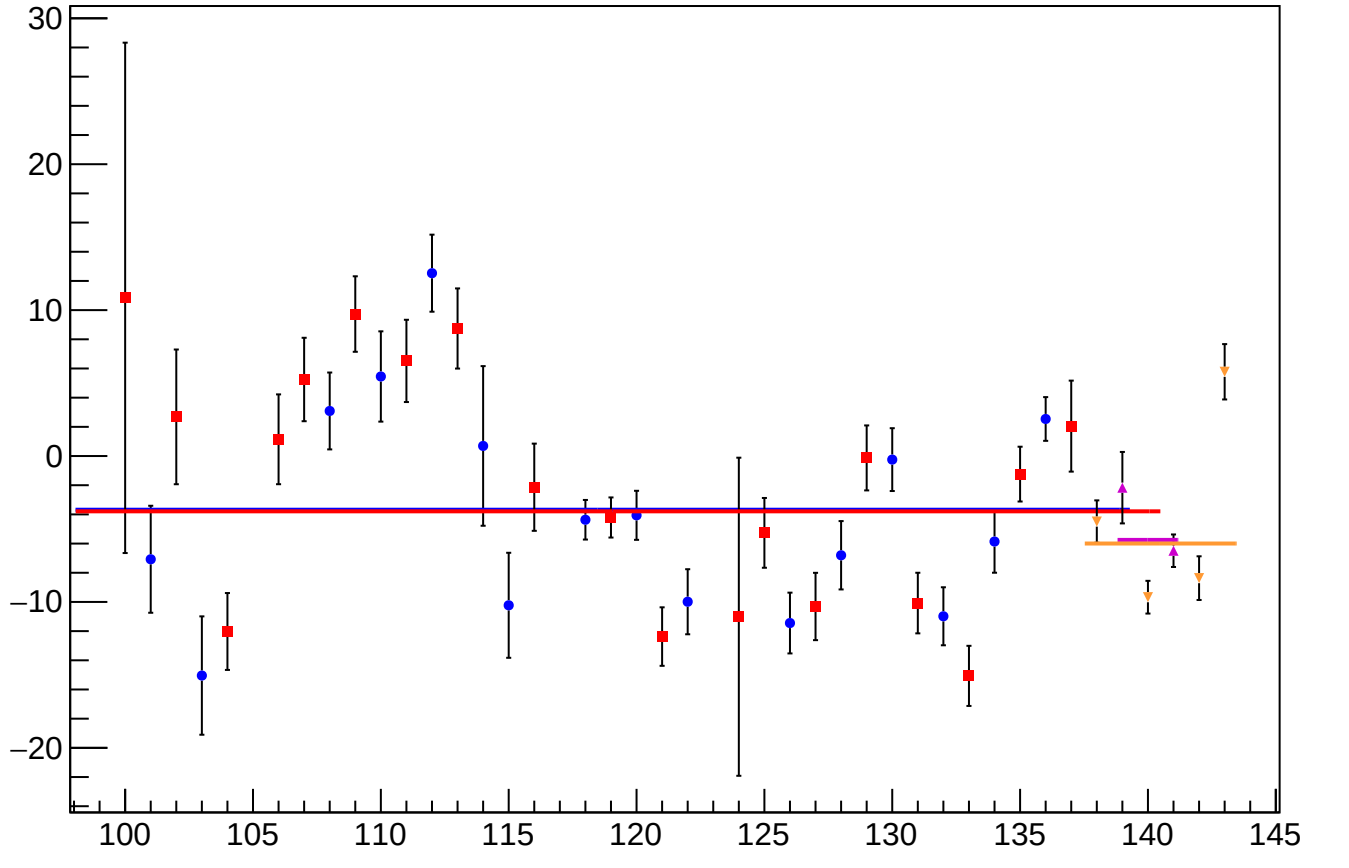
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.816+/-1.011 χ^2/NDF:12.2/1

\+ sign -5.076+/-0.454 χ^2/NDF: 5412.7/19

All: -6.706+/-0.326 χ^2/NDF: 9039.7/40

\- sign -8.450+/-0.469 χ^2/NDF: 3600.3/20



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -5.996+/-0.708 χ^2/NDF:52.9/3

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

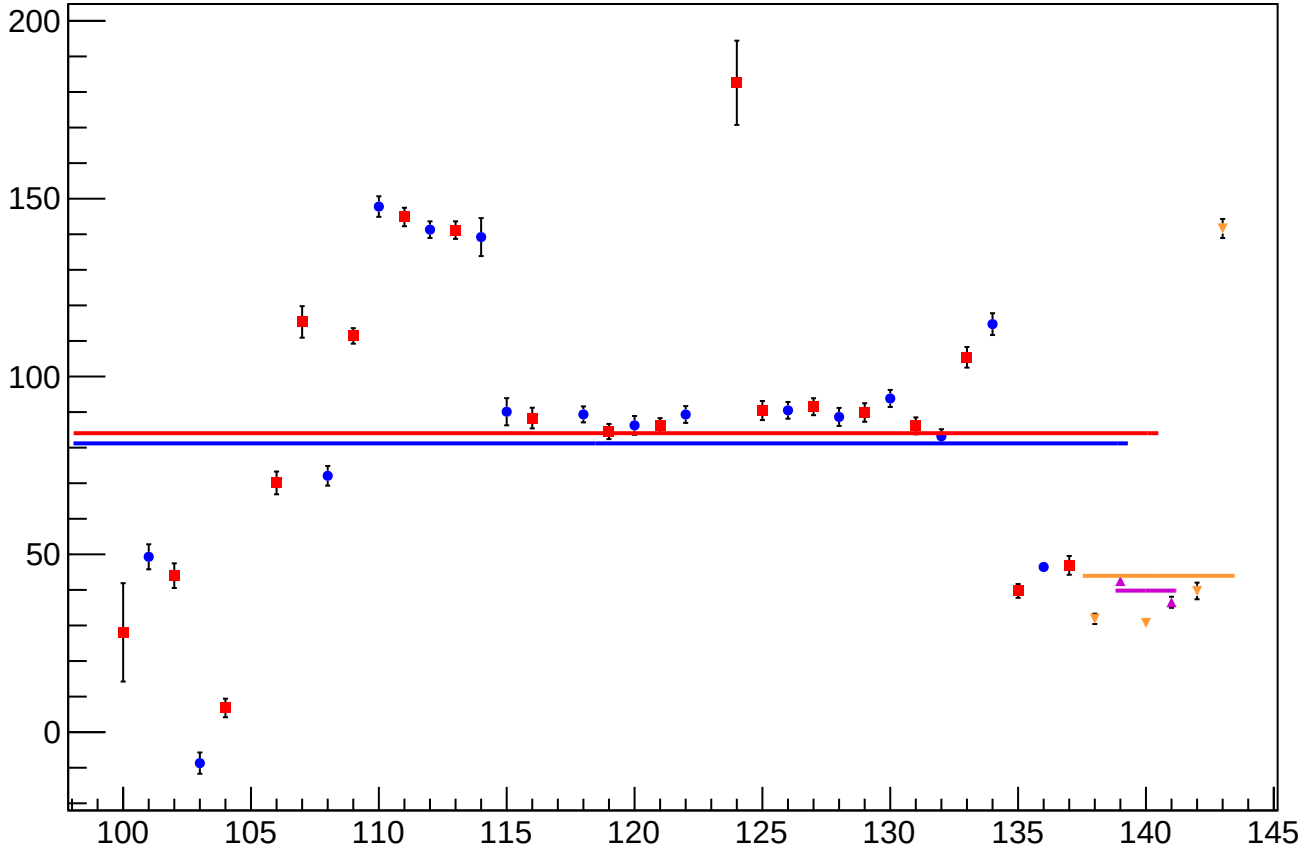
Left In: -5.748+/-1.015 χ^2/NDF:2.6/1

\+ sign -4.555+/-0.435 χ^2/NDF: 183.5/19

All: -4.422+/-0.326 χ^2/NDF: 350.4/40

\- sign -4.252+/-0.493 χ^2/NDF: 166.6/20

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.964+/-0.869 χ^2/NDF:1486.8/3

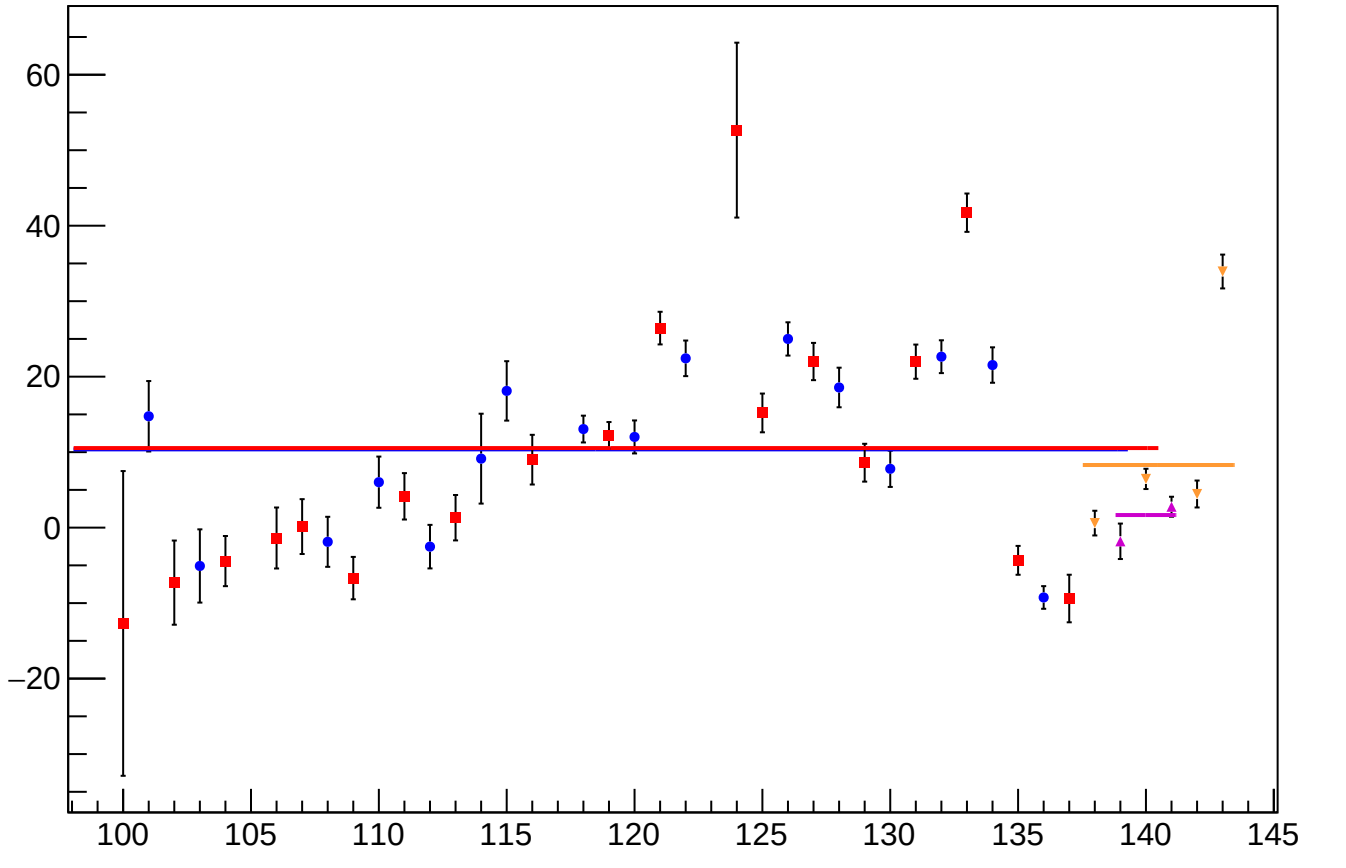
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.803+/-1.047 χ^2/NDF:8.1/1

+ sign 68.988+/-0.498 χ^2/NDF: 5951.6/19

All: 70.709+/-0.363 χ^2/NDF: 10519.9/40

- sign 72.669+/-0.531 χ^2/NDF: 4542.7/20



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 8.296+/-0.833 χ^2/NDF:159.5/3

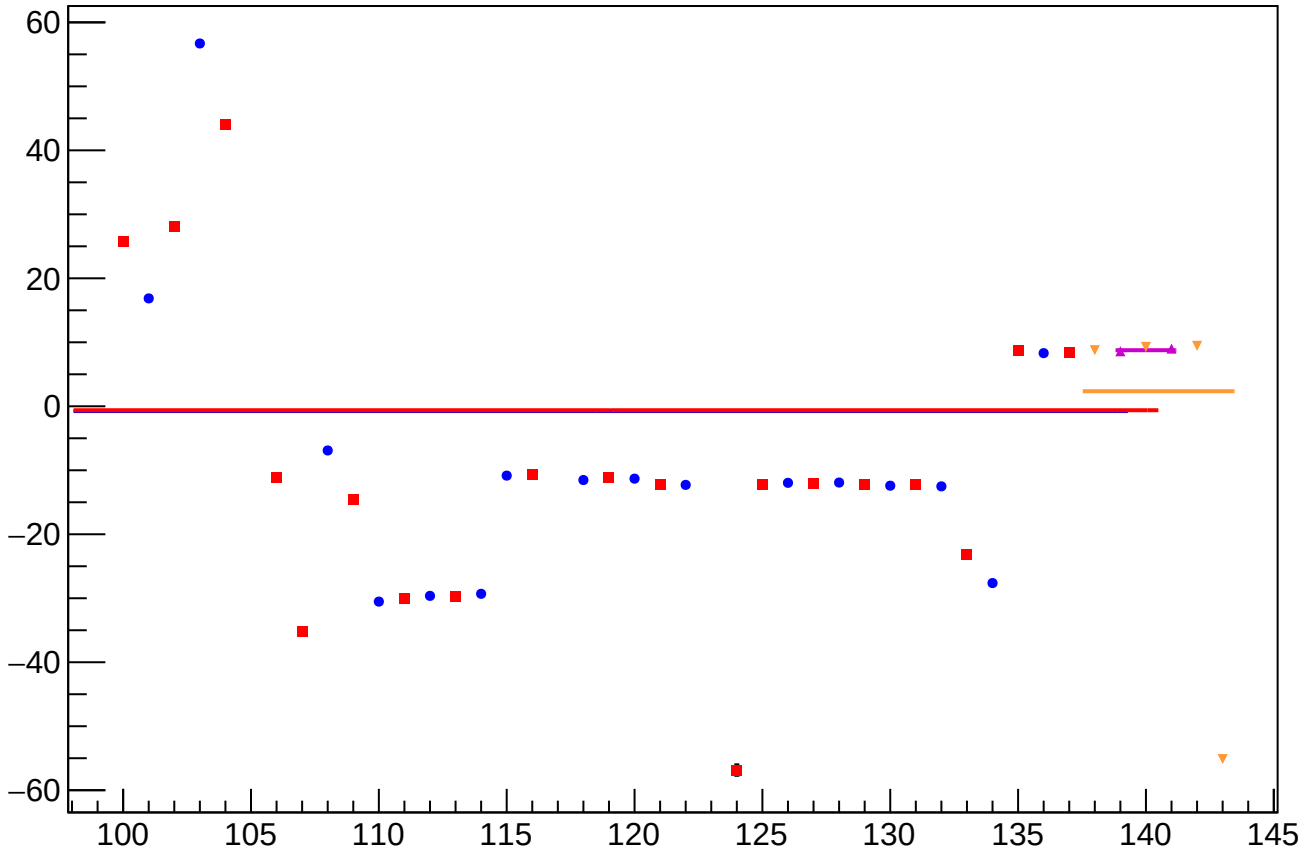
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.668+/-1.152 χ^2/NDF:2.9/1

+ sign 9.618+/-0.501 χ^2/NDF: 523.2/19

All: 9.097+/-0.373 χ^2/NDF: 1044.6/40

- sign 8.446+/-0.560 χ^2/NDF: 518.9/20



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.353+/-0.036 χ^2/NDF:295615.6/3

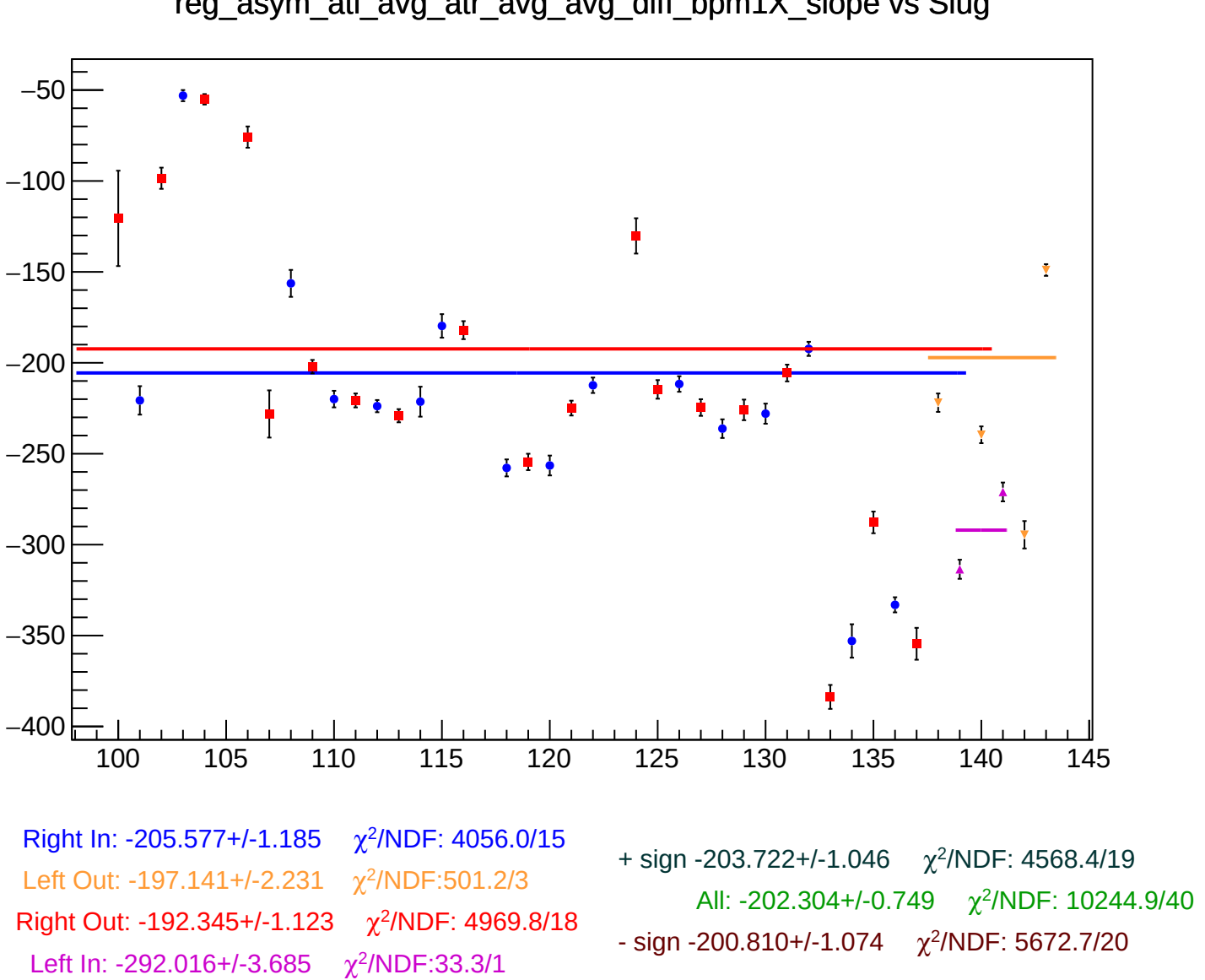
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.764+/-0.039 χ^2/NDF:26.2/1

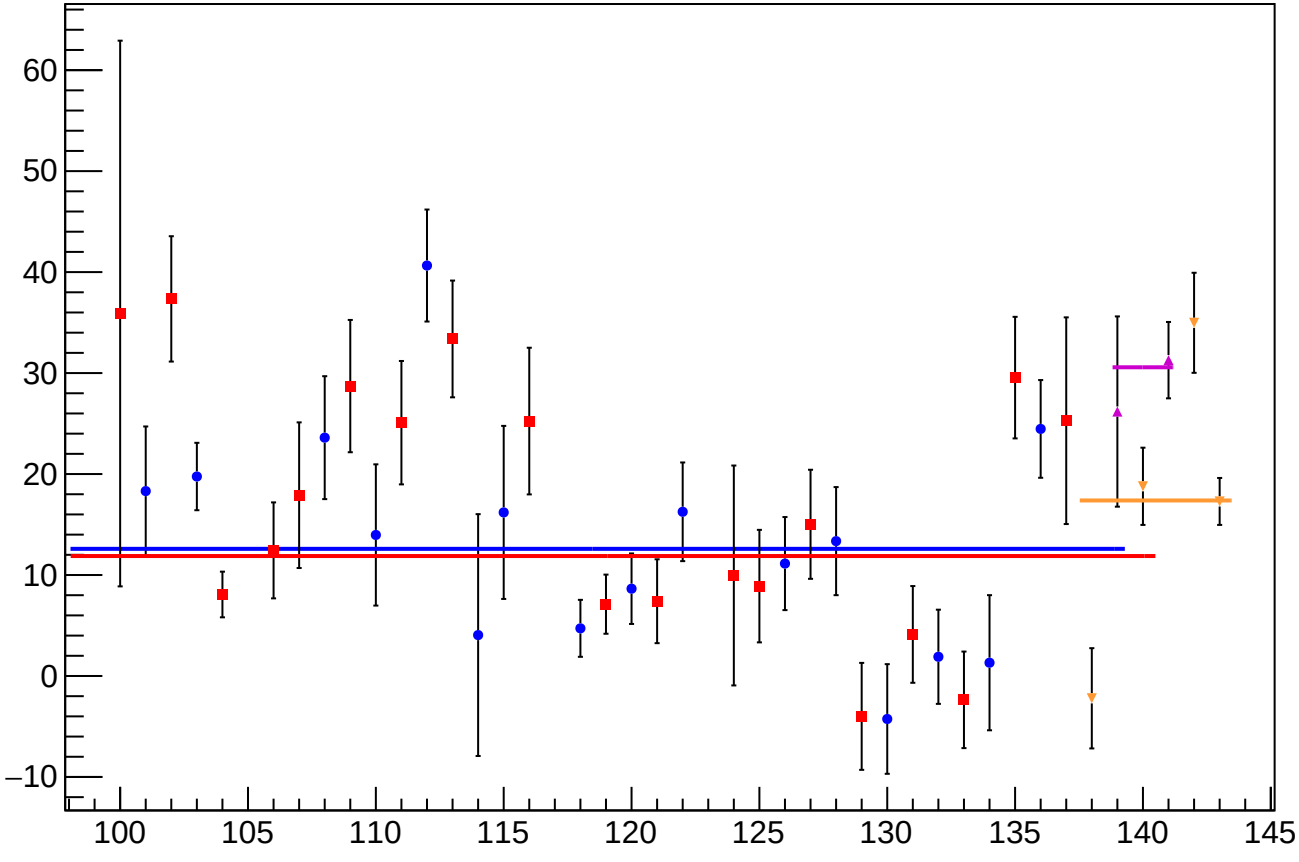
+ sign 0.793+/-0.025 χ^2/NDF: 667309.9/19

All: 2.205+/-0.019 χ^2/NDF: 1020199.0/40

- sign 3.809+/-0.027 χ^2/NDF: 346318.6/20


reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
−400
100
105
110
115
120
125
130
135
140
145
Right In: -205.577+/-1.185 χ²/NDF: 4056.0/15
Left Out: -197.141+/-2.231 χ²/NDF:501.2/3
Right Out: -192.345+/-1.123 χ²/NDF: 4969.8/18
Left In: -292.016+/-3.685 χ²/NDF:33.3/1
+ sign -203.722+/-1.046 χ²/NDF: 4568.4/19
All: -202.304+/-0.749 χ²/NDF: 10244.9/40
- sign -200.810+/-1.074 χ²/NDF: 5672.7/20

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: 17.383+/-1.729 χ^2/NDF:28.3/3

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

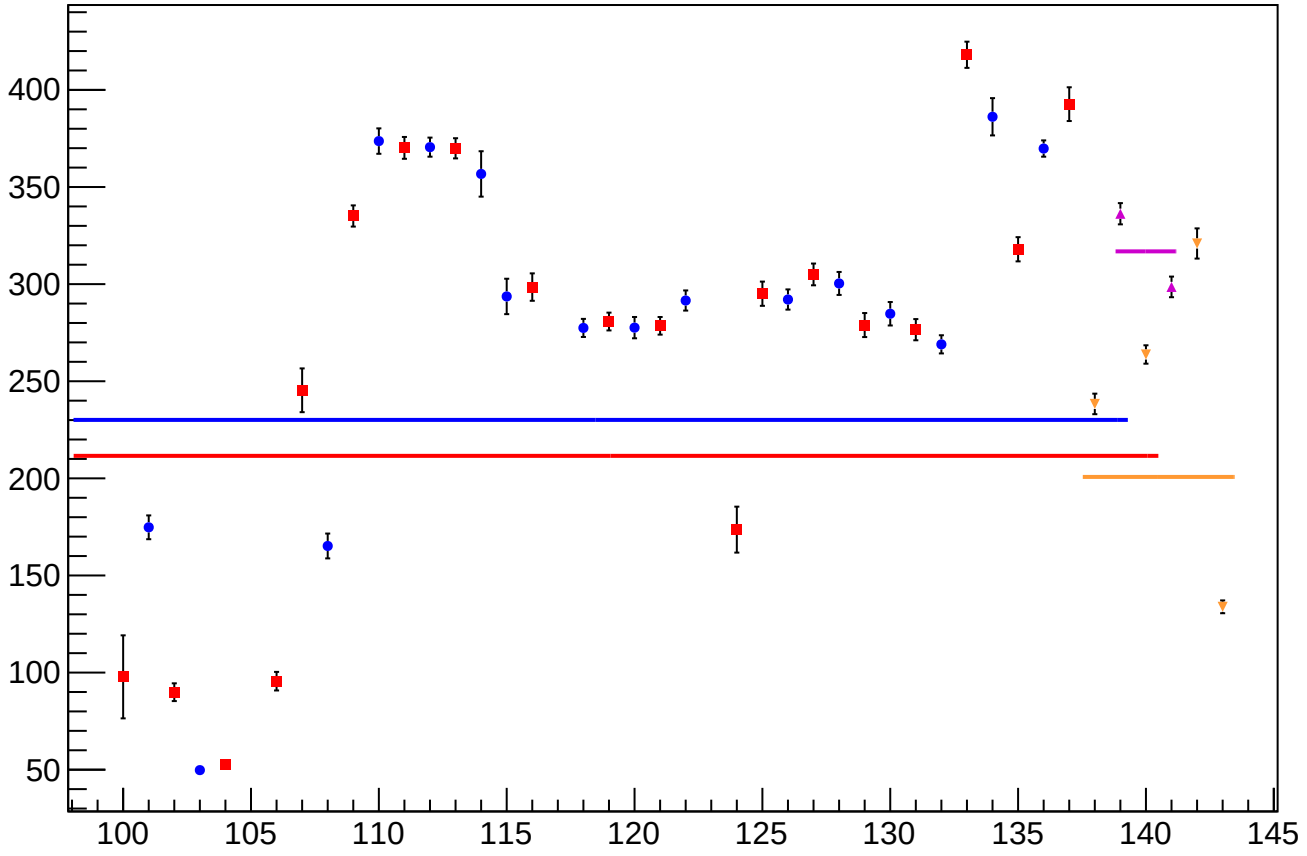
Left In: 30.573+/-3.510 χ^2/NDF:0.3/1

+ sign 14.155+/-0.987 χ^2/NDF: 102.0/19

All: 13.905+/-0.725 χ^2/NDF: 213.1/40

- sign 13.612+/-1.068 χ^2/NDF: 110.9/20

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: 200.738+/-2.301 χ^2/NDF:877.7/3

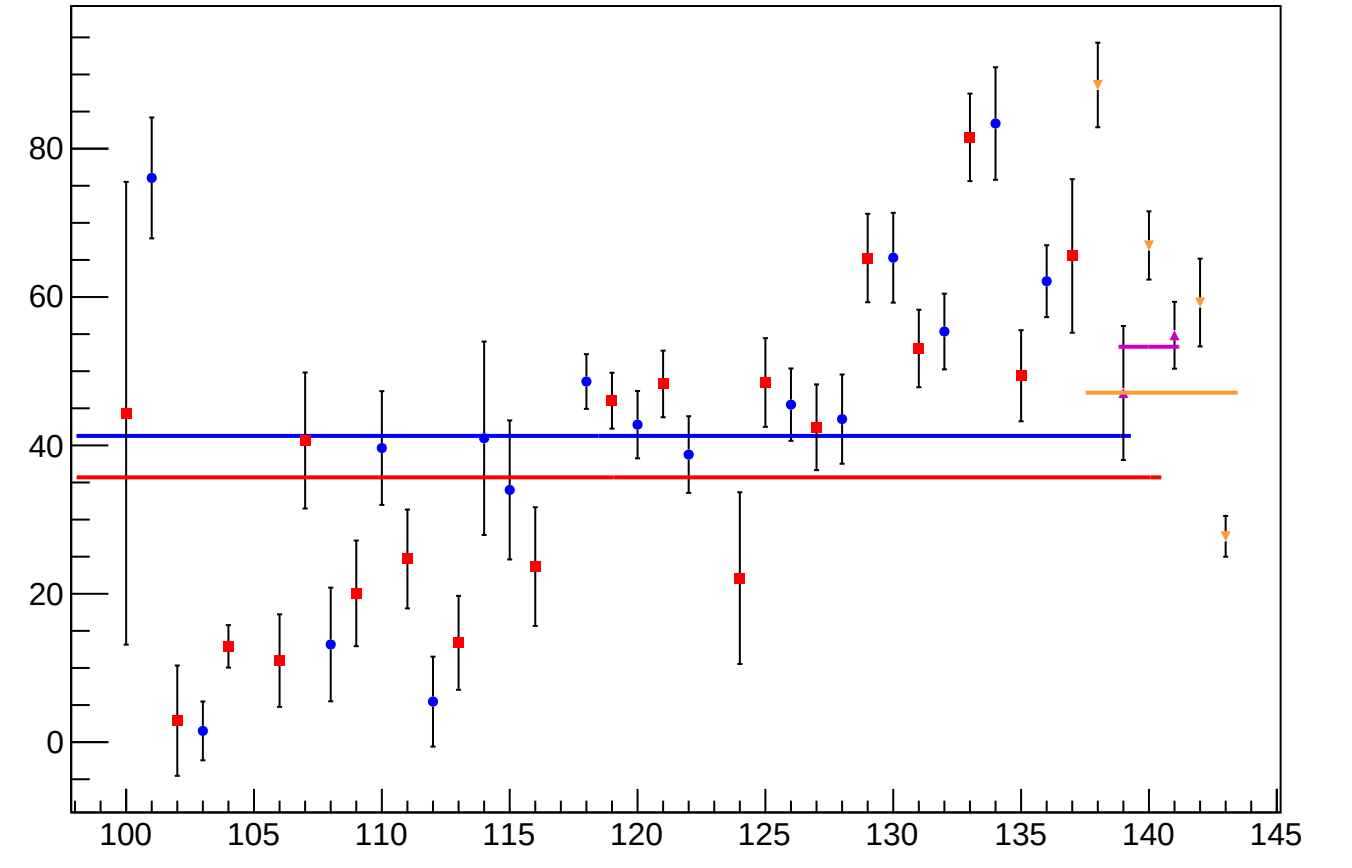
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 316.864+/-3.810 χ^2/NDF:24.4/1

+ sign 223.327+/-1.105 χ^2/NDF: 10378.6/19

All: 222.211+/-0.794 χ^2/NDF: 22572.4/40

- sign 221.021+/-1.140 χ^2/NDF: 12191.7/20



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 47.112+/-2.047 χ^2/NDF:125.3/3

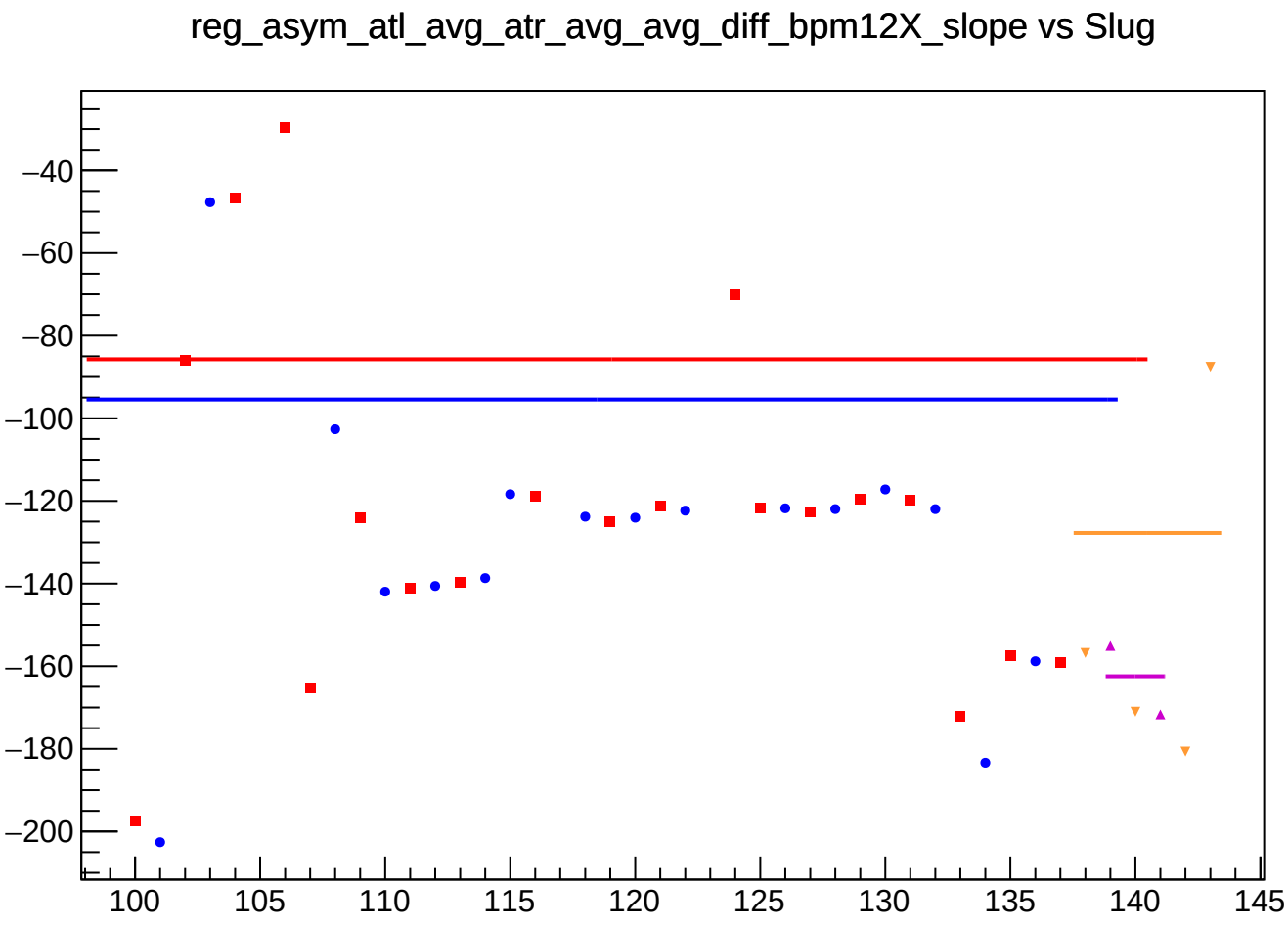
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 53.299+/-4.030 χ^2/NDF:0.6/1

+ sign 43.136+/-1.154 χ^2/NDF: 376.6/19

All: 40.496+/-0.849 χ^2/NDF: 659.0/40

- sign 37.391+/-1.252 χ^2/NDF: 271.0/20



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -127.737+/-0.097 χ^2/NDF:173662.3/3

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

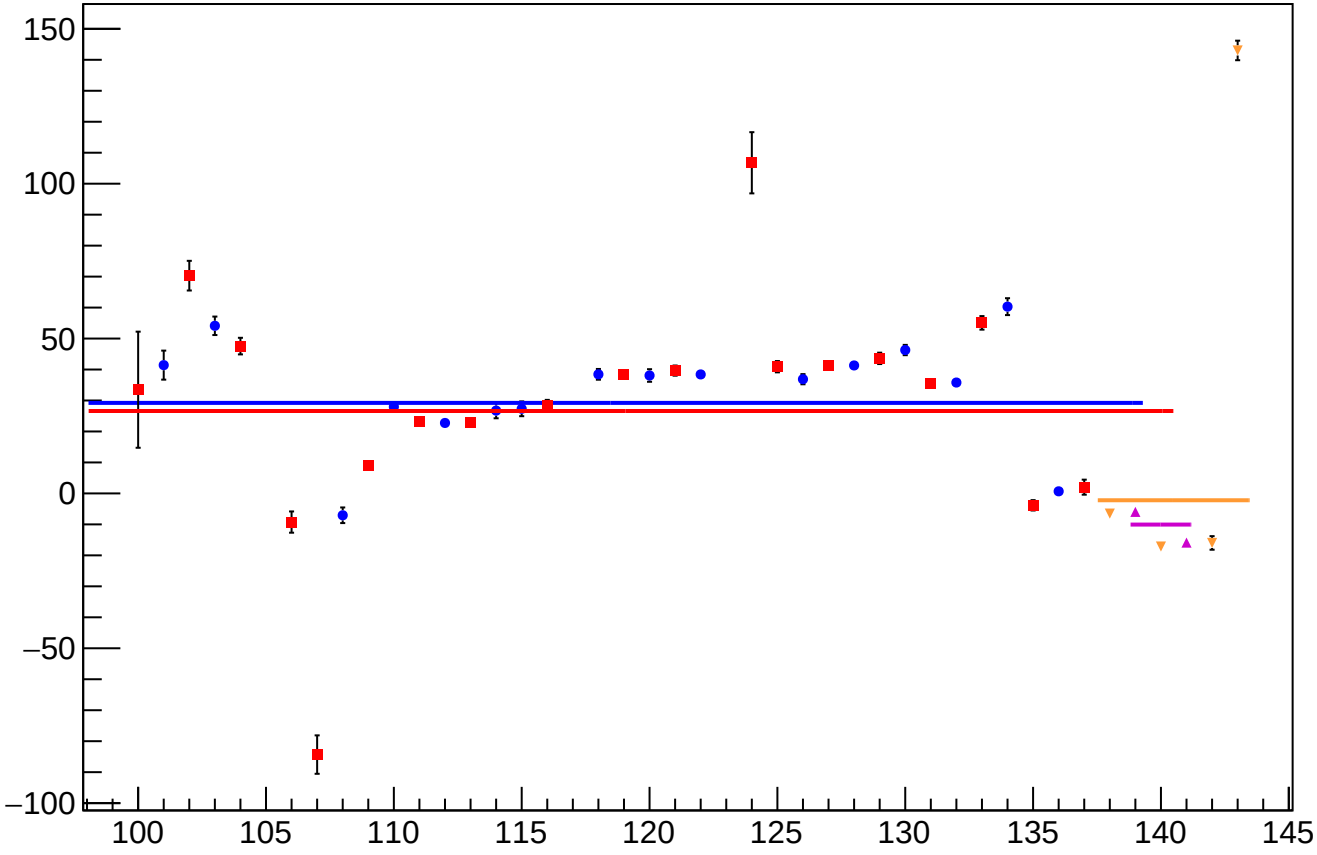
Left In: -162.434+/-0.145 χ^2/NDF:3211.5/1

+ sign -106.472+/-0.056 χ^2/NDF: 767228.9/19

All: -103.092+/-0.041 χ^2/NDF: 1490936.4/40

- sign -99.161+/-0.061 χ^2/NDF: 715933.8/20

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: -2.211+/-0.805 χ^2/NDF:2303.5/3

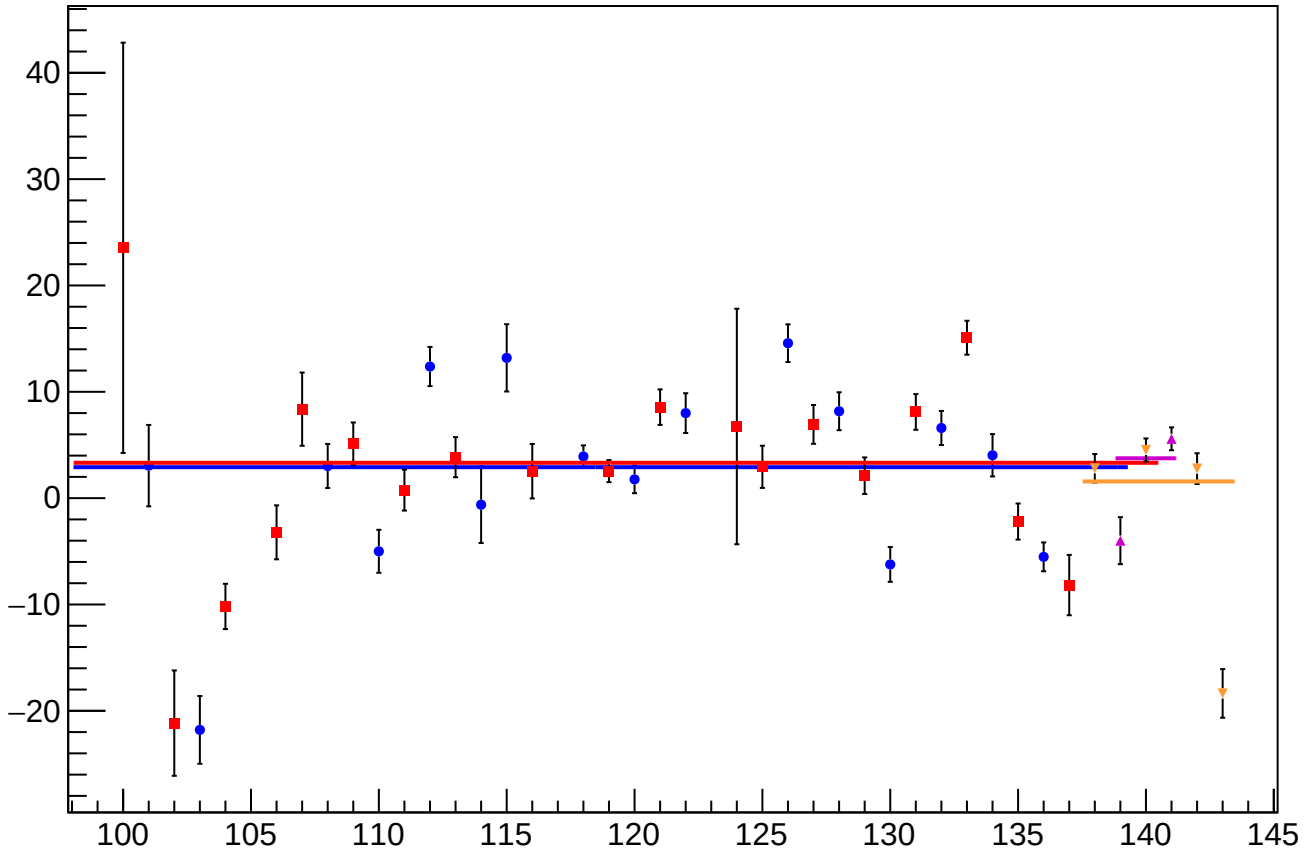
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -10.061+/-0.939 χ^2/NDF:27.1/1

+ sign 22.390+/-0.375 χ^2/NDF: 4840.8/19

All: 21.520+/-0.267 χ^2/NDF: 8077.2/40

- sign 20.634+/-0.379 χ^2/NDF: 3225.5/20



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.569+/-0.692 χ^2/NDF:85.0/3

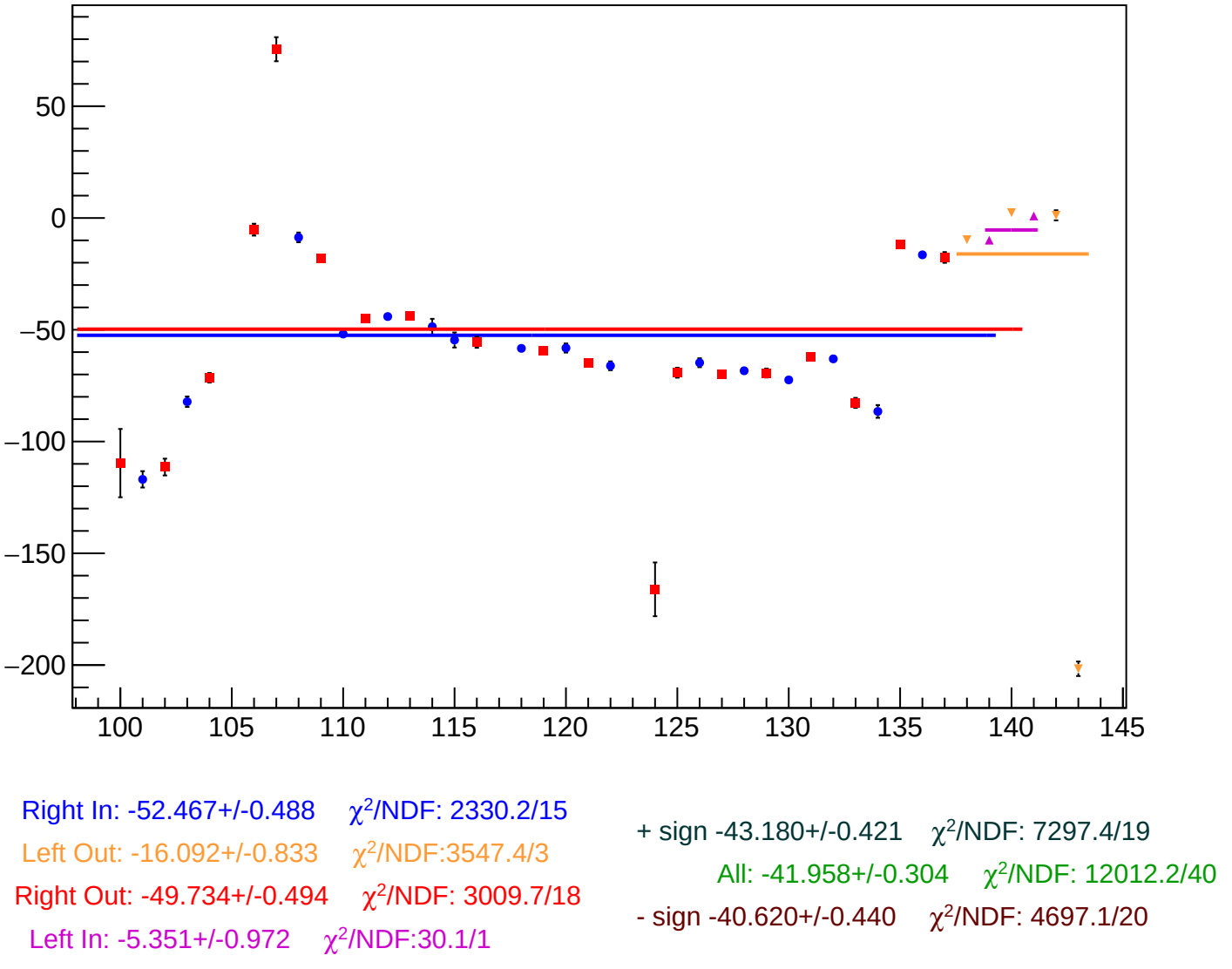
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

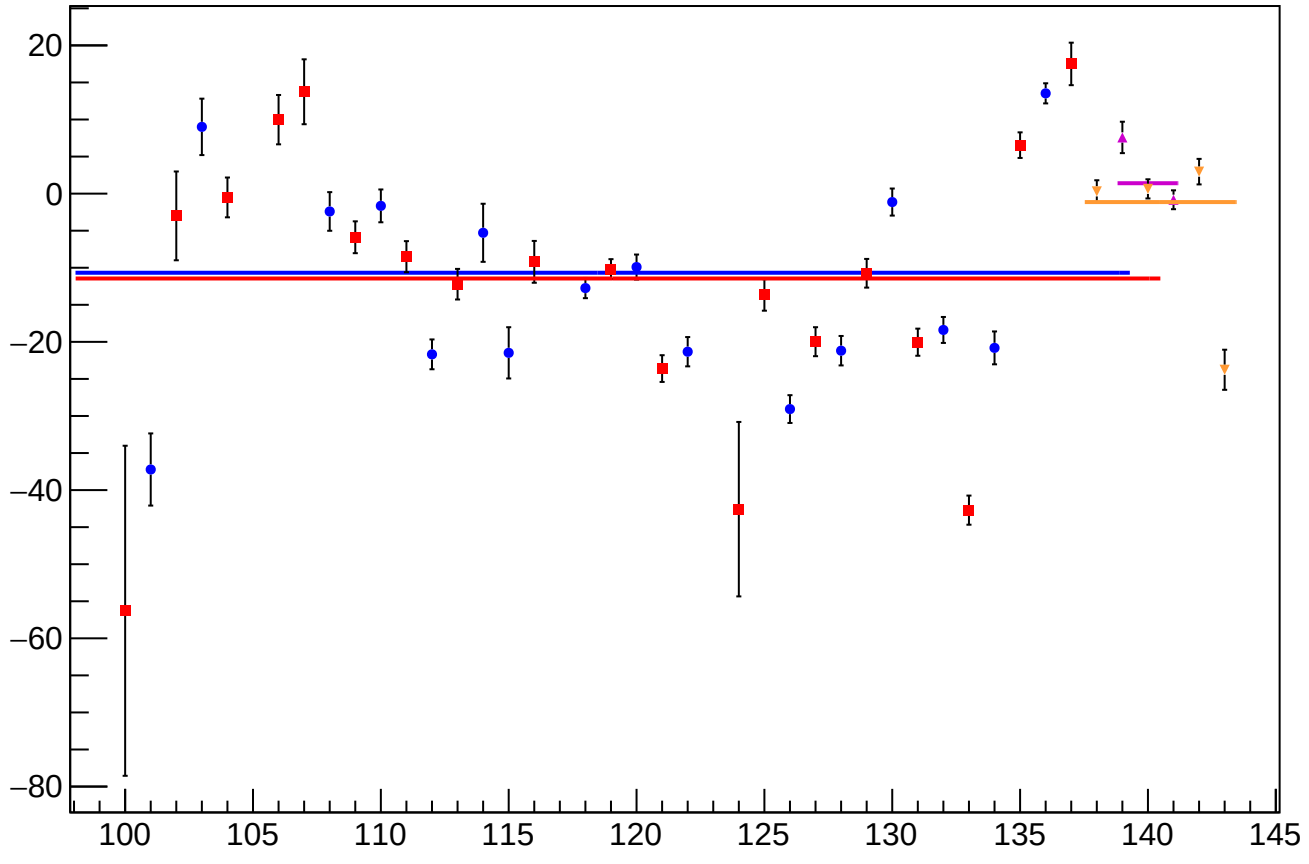
Left In: 3.750+/-0.966 χ^2/NDF:15.2/1

+ sign 2.523+/-0.373 χ^2/NDF: 337.7/19

All: 2.920+/-0.276 χ^2/NDF: 537.3/40

- sign 3.402+/-0.411 χ^2/NDF: 197.1/20


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug
50
0
−50
−100
−150
−200
100
105
110
115
120
125
130
135
140
145
Right In: -52.467+/-0.488 χ²/NDF: 2330.2/15
Left Out: -16.092+/-0.833 χ²/NDF:3547.4/3
Right Out: -49.734+/-0.494 χ²/NDF: 3009.7/18
Left In: -5.351+/-0.972 χ²/NDF:30.1/1
+ sign -43.180+/-0.421 χ²/NDF: 7297.4/19
All: -41.958+/-0.304 χ²/NDF: 12012.2/40
- sign -40.620+/-0.440 χ²/NDF: 4697.1/20



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: -1.138+/-0.812 χ^2/NDF:78.5/3

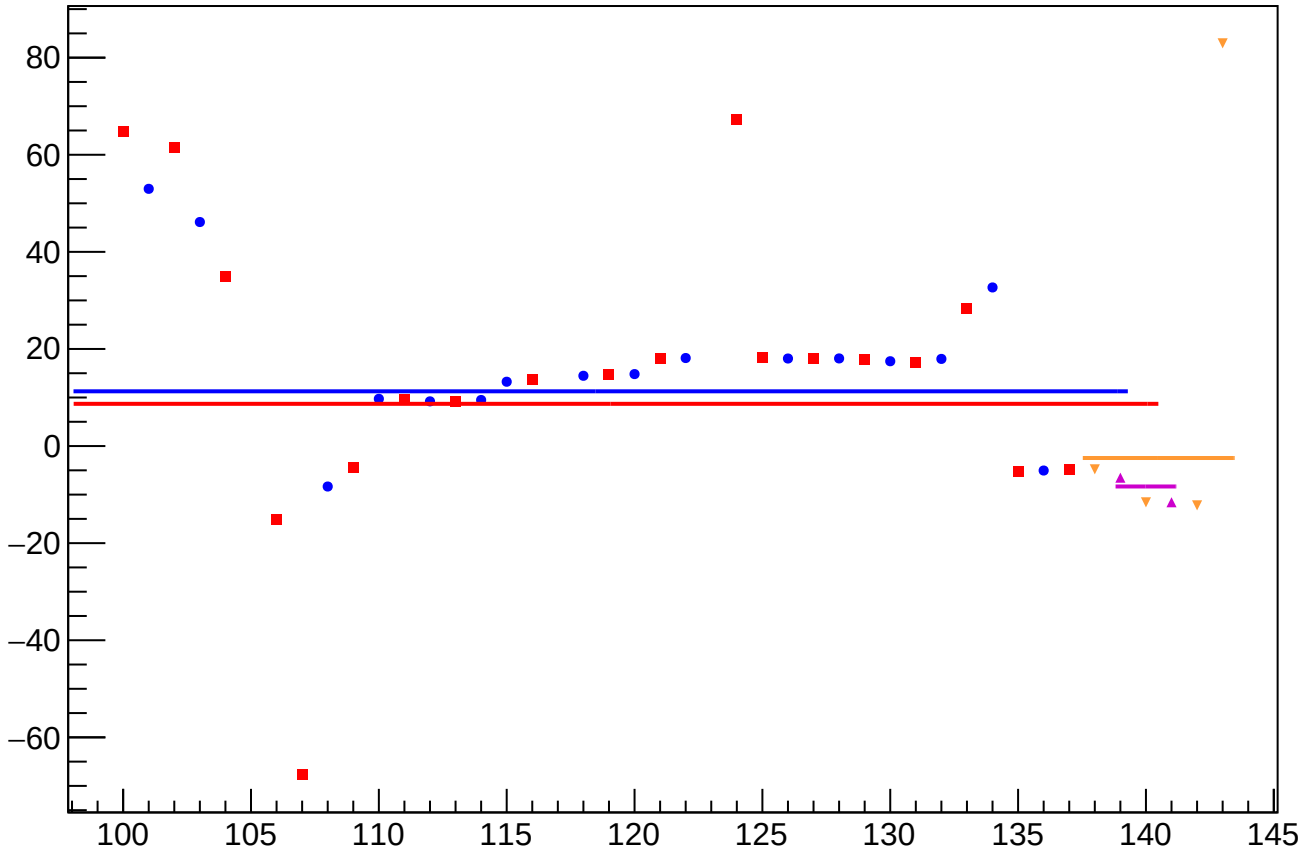
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.405+/-1.091 χ^2/NDF:11.6/1

+ sign -8.011+/-0.429 χ^2/NDF: 844.3/19

All: -8.510+/-0.316 χ^2/NDF: 1638.0/40

- sign -9.101+/-0.467 χ^2/NDF: 790.7/20



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.462+/-0.034 χ^2/NDF:436912.9/3

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

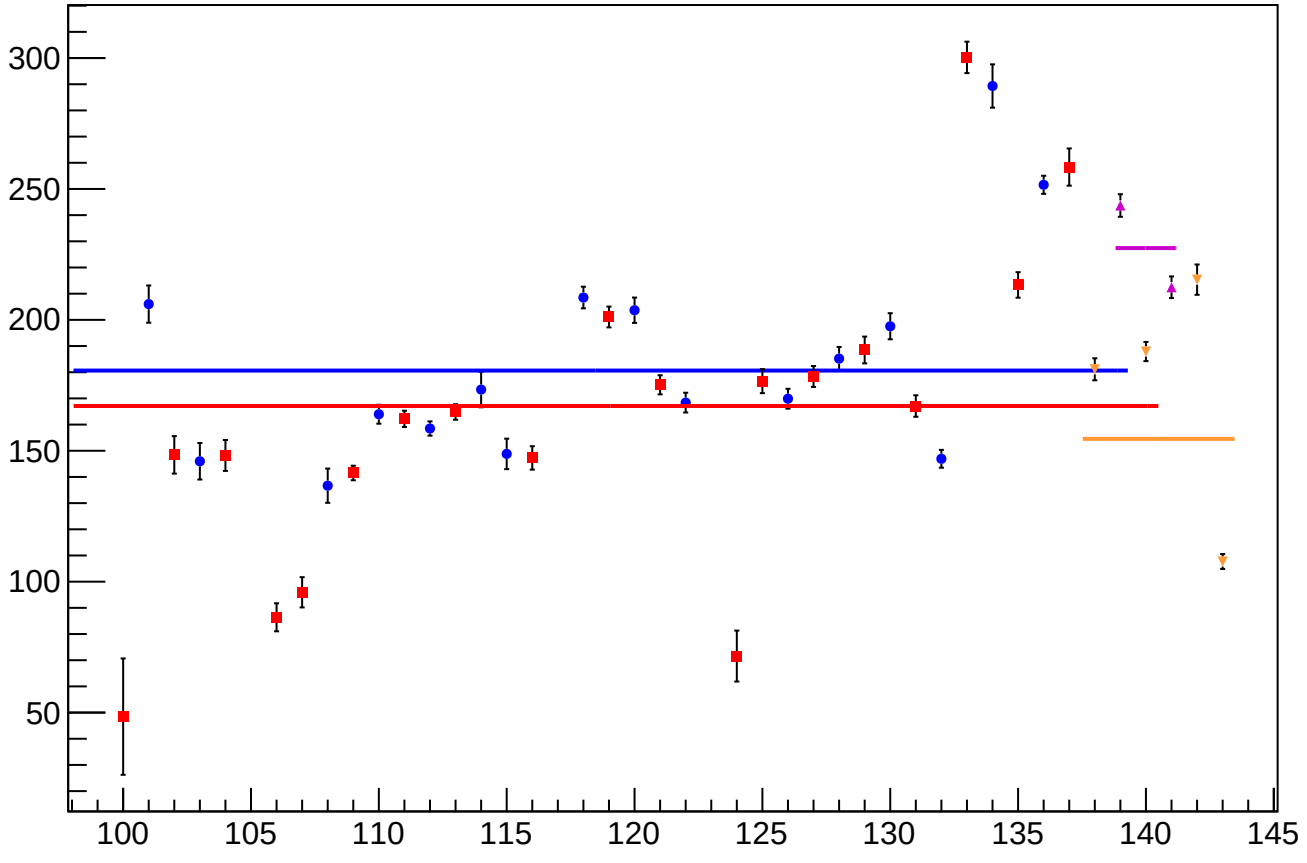
Left In: -8.327+/-0.037 χ^2/NDF:4418.5/1

+ sign 5.379+/-0.023 χ^2/NDF: 876763.1/19

All: 3.518+/-0.016 χ^2/NDF: 1456583.7/40

- sign 1.452+/-0.024 χ^2/NDF: 565519.7/20

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 154.542+/-1.874 χ^2/NDF:504.9/3

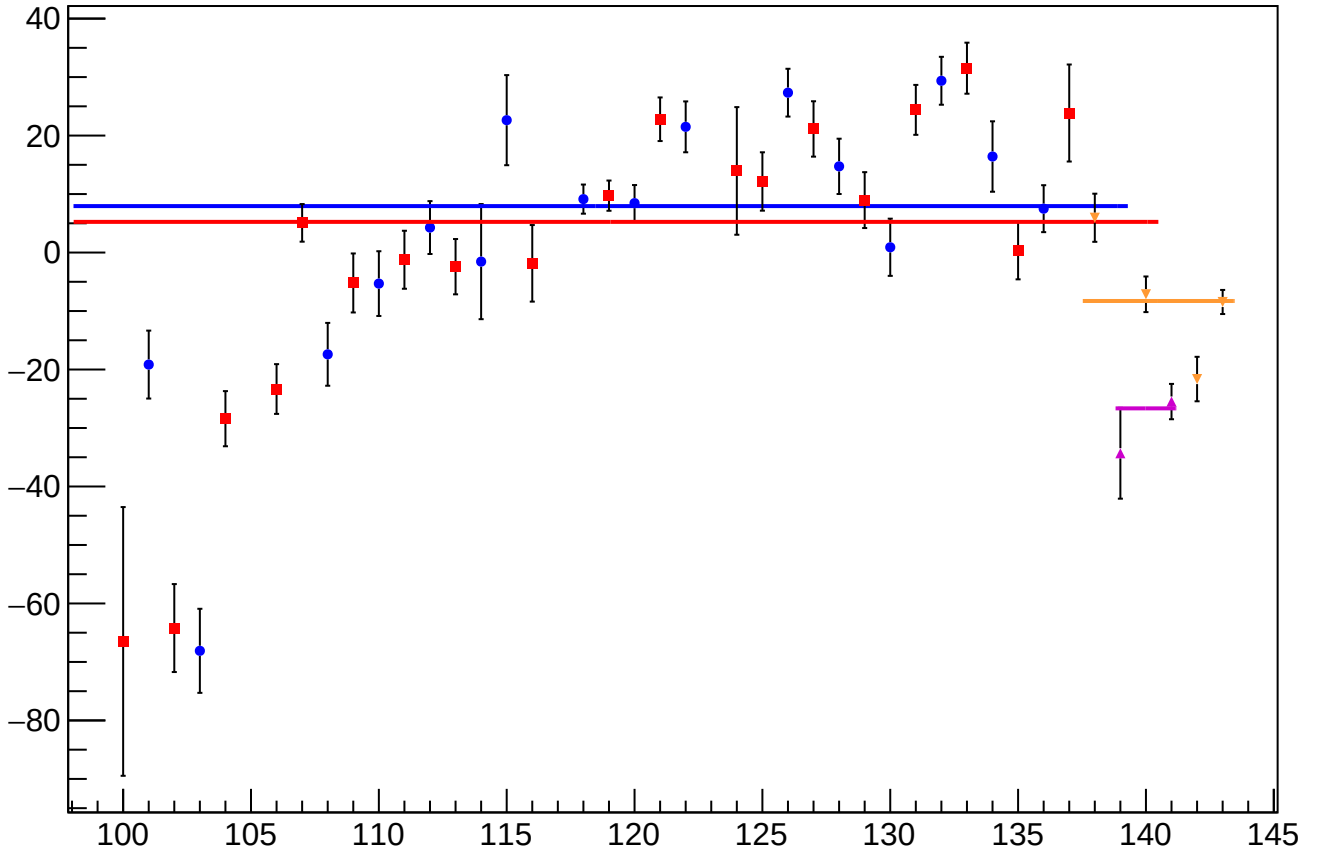
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.422+/-2.984 χ^2/NDF:27.3/1

+ sign 174.044+/-0.942 χ^2/NDF: 1643.1/19

All: 173.741+/-0.674 χ^2/NDF: 3521.1/40

- sign 173.422+/-0.966 χ^2/NDF: 1877.7/20



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

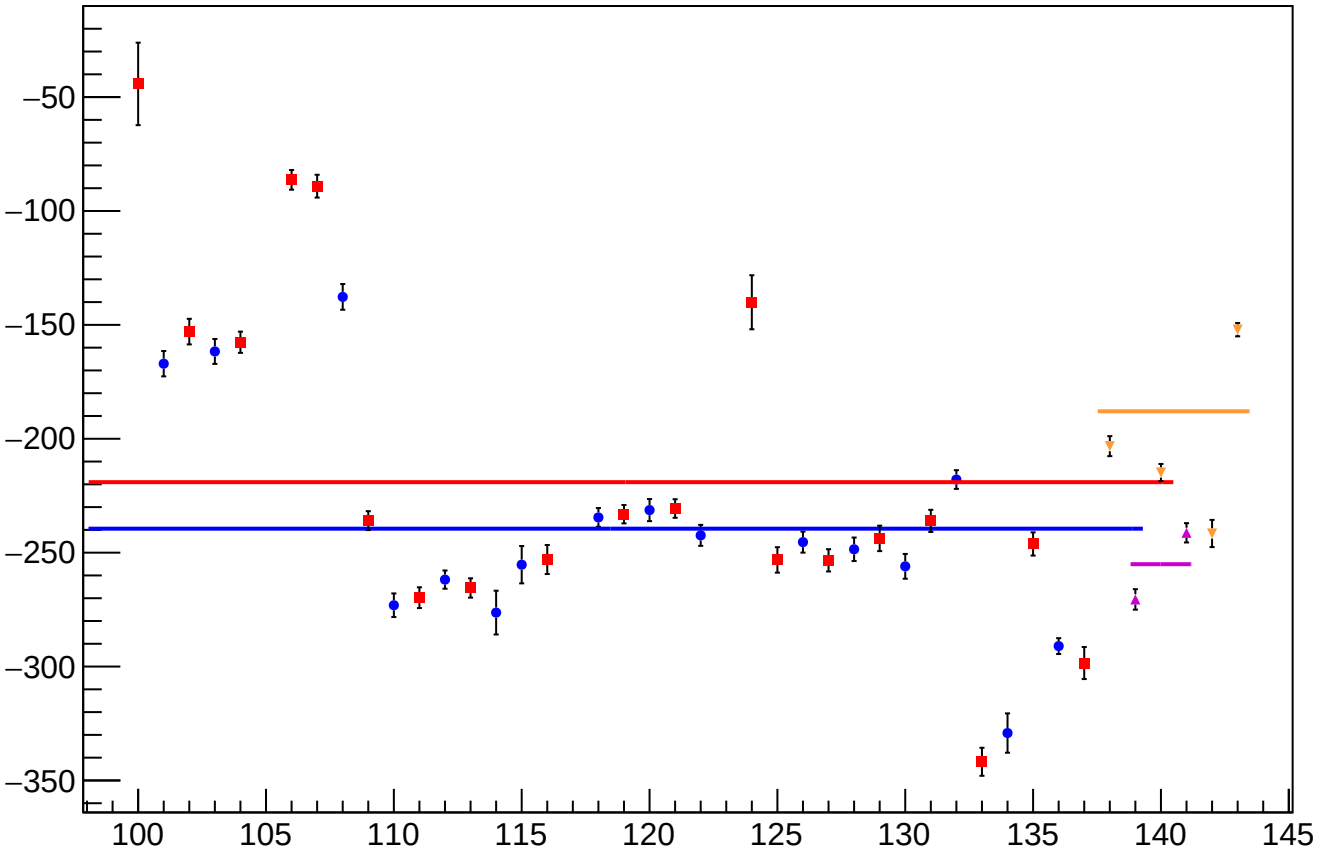
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

+ sign 1.958+/-0.884 χ^2/NDF: 335.7/19

All: 1.655+/-0.661 χ^2/NDF: 752.3/40

- sign 1.272+/-0.994 χ^2/NDF: 416.3/20



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -187.932+/-1.934 χ^2/NDF:294.1/3

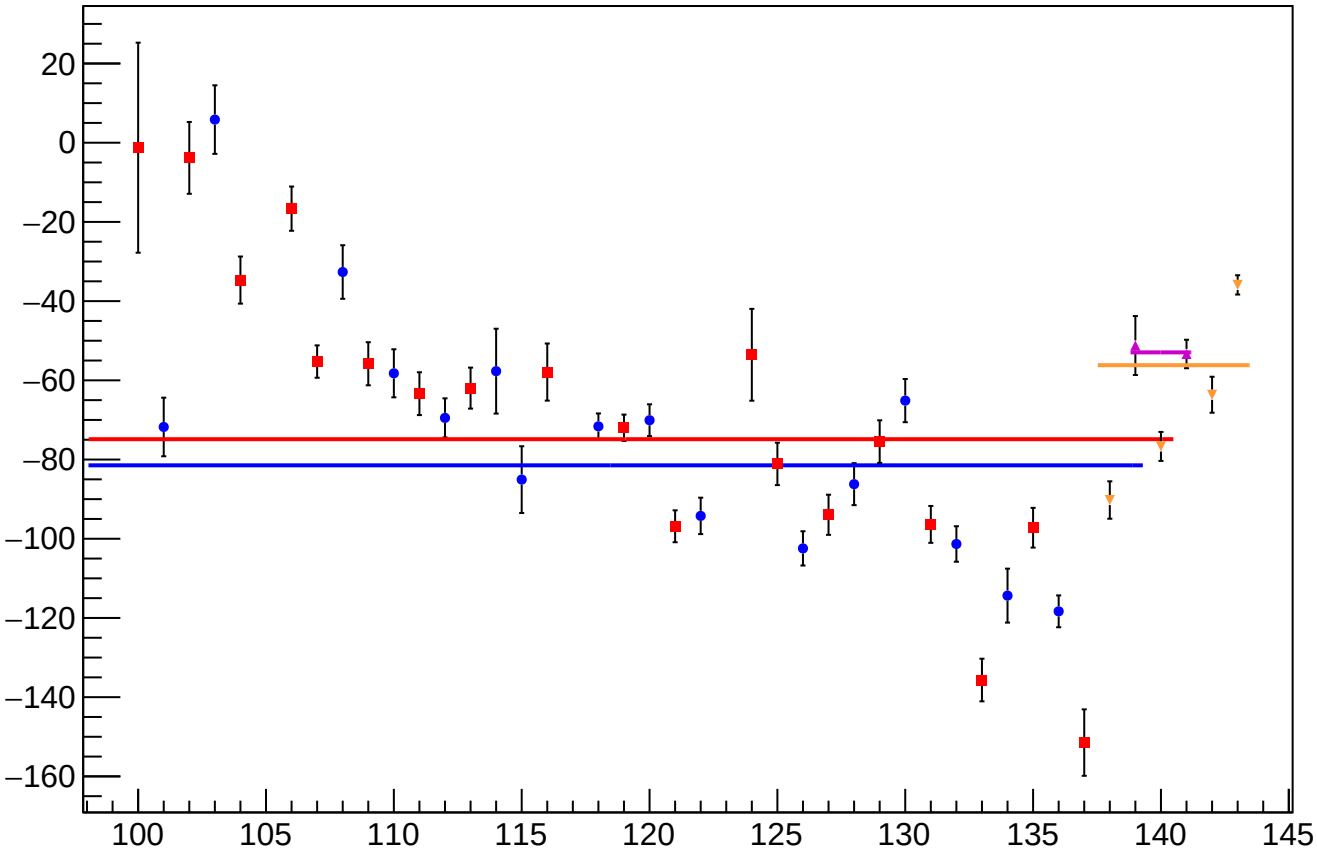
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -255.062+/-3.084 χ^2/NDF:22.4/1

+ sign -224.356+/-1.047 χ^2/NDF: 1958.5/19

All: -224.009+/-0.758 χ^2/NDF: 5149.4/40

- sign -223.626+/-1.099 χ^2/NDF: 3190.7/20



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -56.172+/-1.724 χ^2/NDF:155.2/3

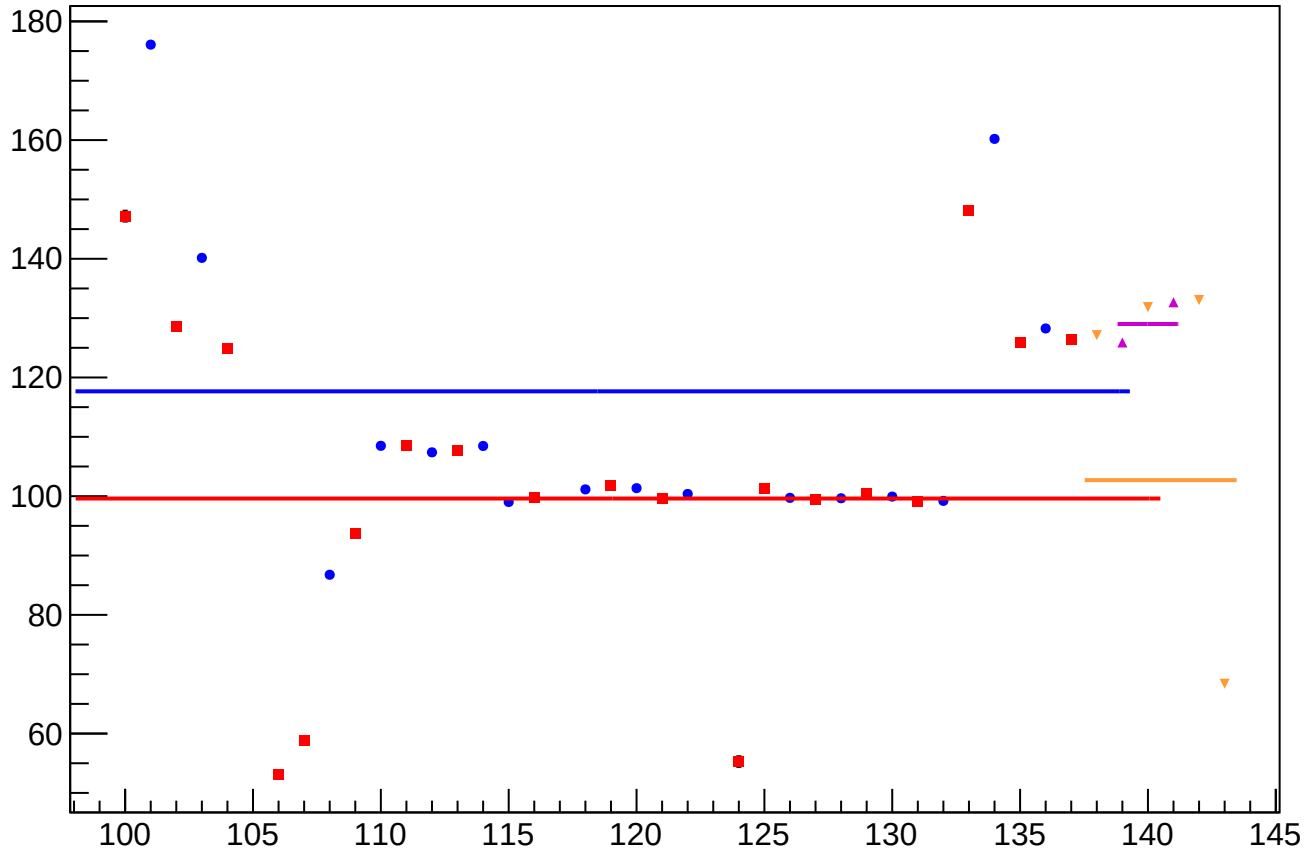
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -52.941+/-3.238 χ^2/NDF:0.1/1

+ sign -72.416+/-1.031 χ^2/NDF: 659.8/19

All: -72.274+/-0.768 χ^2/NDF: 1276.6/40

- sign -72.097+/-1.150 χ^2/NDF: 616.7/20



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 102.702+/-0.081 χ^2/NDF:144069.0/3

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

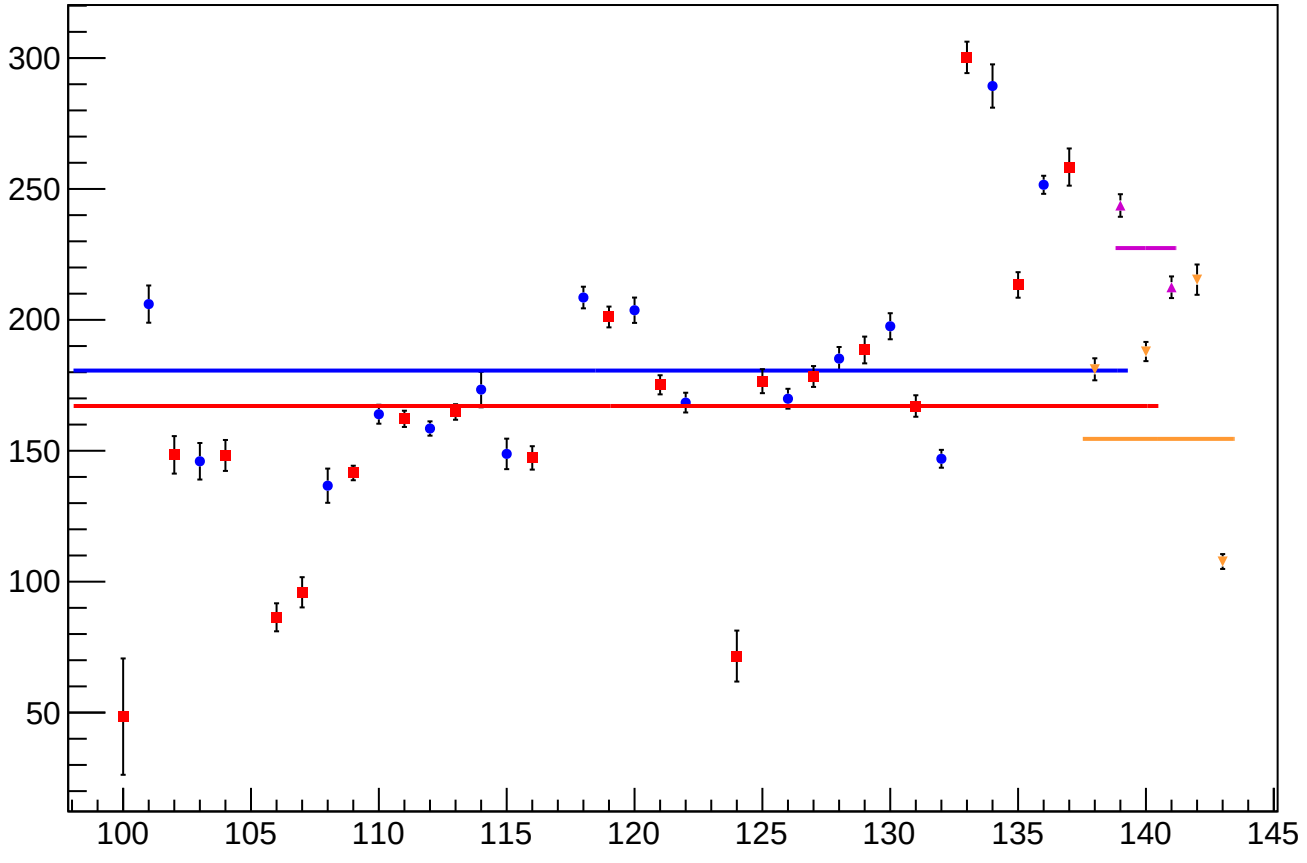
Left In: 129.012+/-0.118 χ^2/NDF:818.0/1

+ sign 110.460+/-0.056 χ^2/NDF: 257073.7/19

All: 108.995+/-0.041 χ^2/NDF: 471435.6/40

- sign 107.311+/-0.060 χ^2/NDF: 212907.9/20

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: 154.542+/-1.874 χ^2/NDF:504.9/3

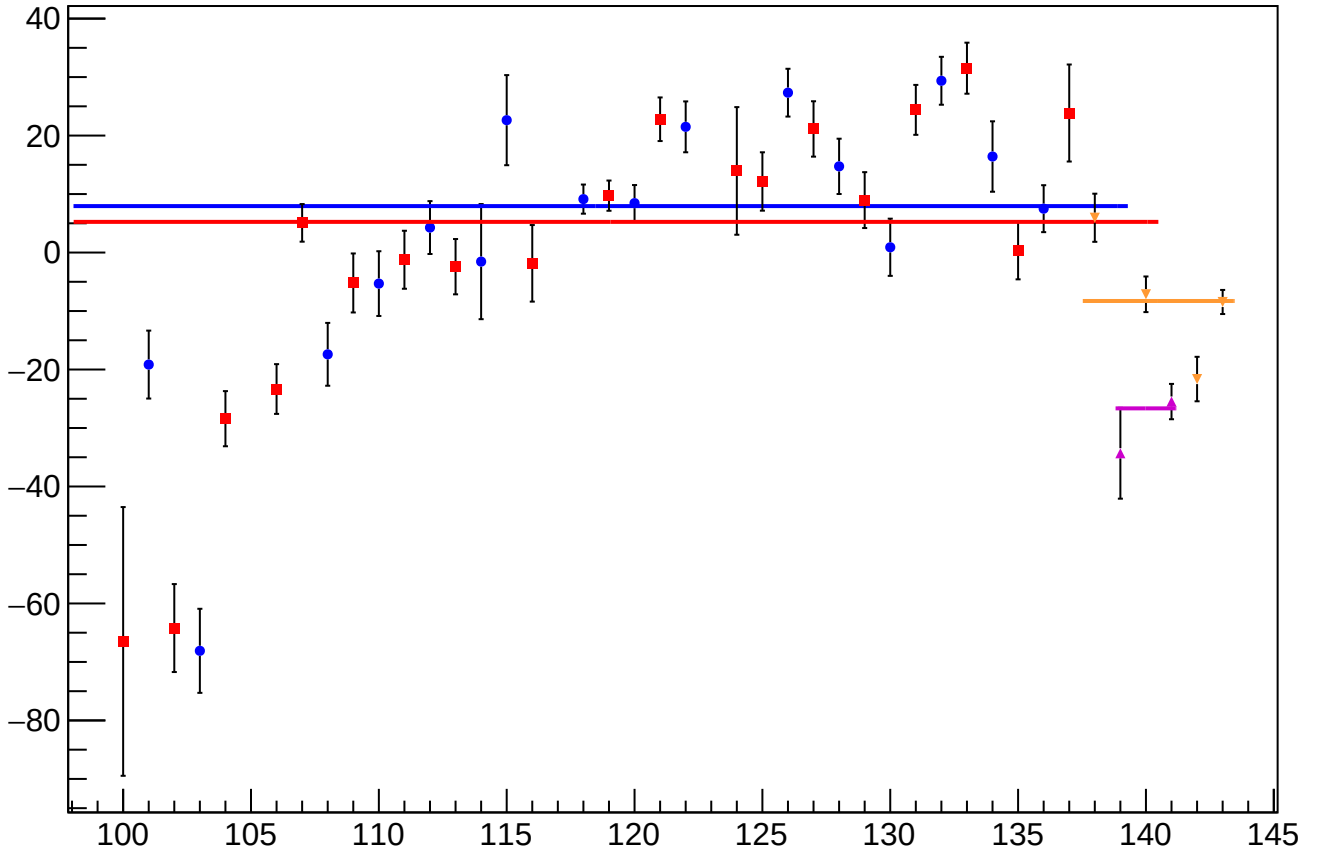
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.422+/-2.984 χ^2/NDF:27.3/1

+ sign 174.044+/-0.942 χ^2/NDF: 1643.1/19

All: 173.741+/-0.674 χ^2/NDF: 3521.1/40

- sign 173.422+/-0.966 χ^2/NDF: 1877.7/20



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

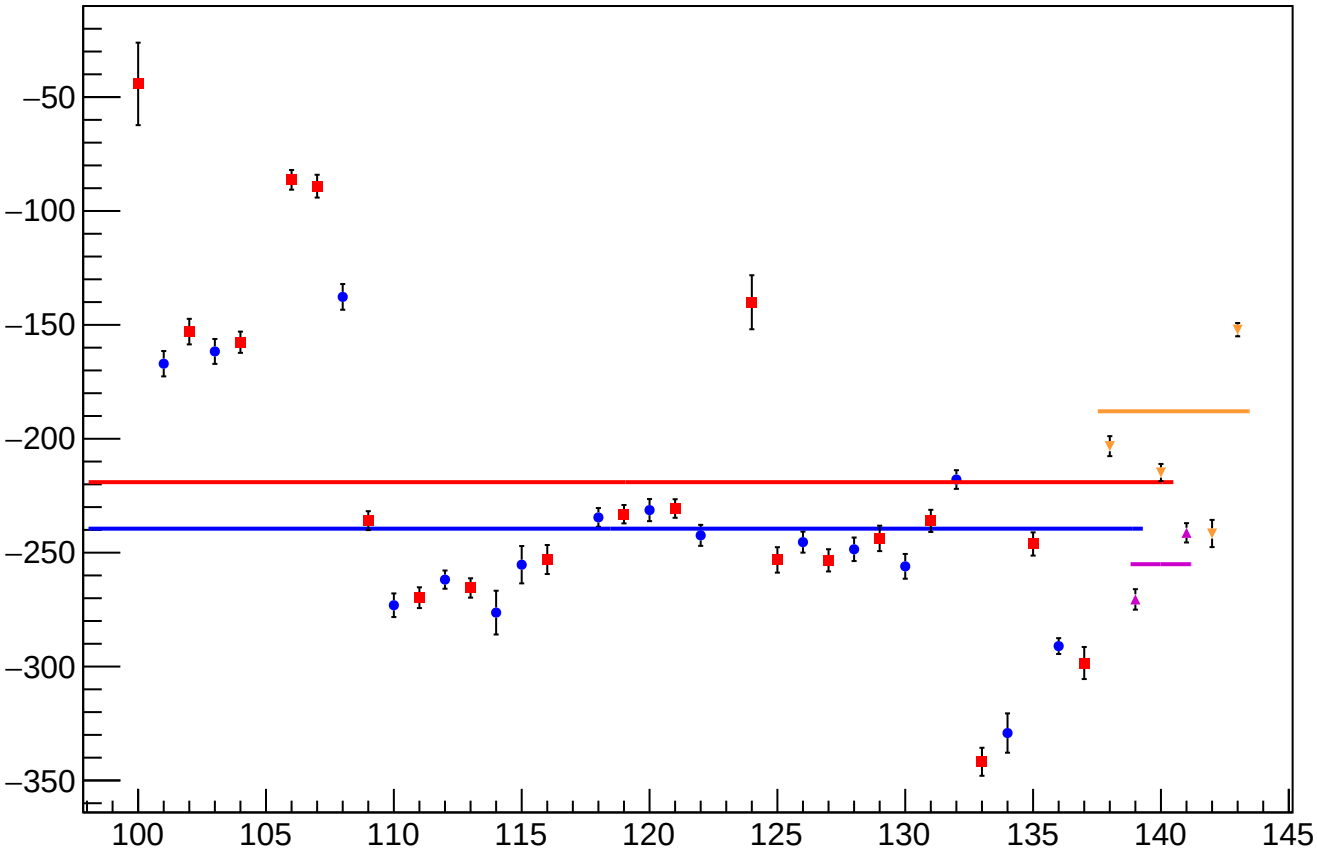
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

+ sign 1.958+/-0.884 χ^2/NDF: 335.7/19

All: 1.655+/-0.661 χ^2/NDF: 752.3/40

- sign 1.272+/-0.994 χ^2/NDF: 416.3/20



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -187.932+/-1.934 χ^2/NDF:294.1/3

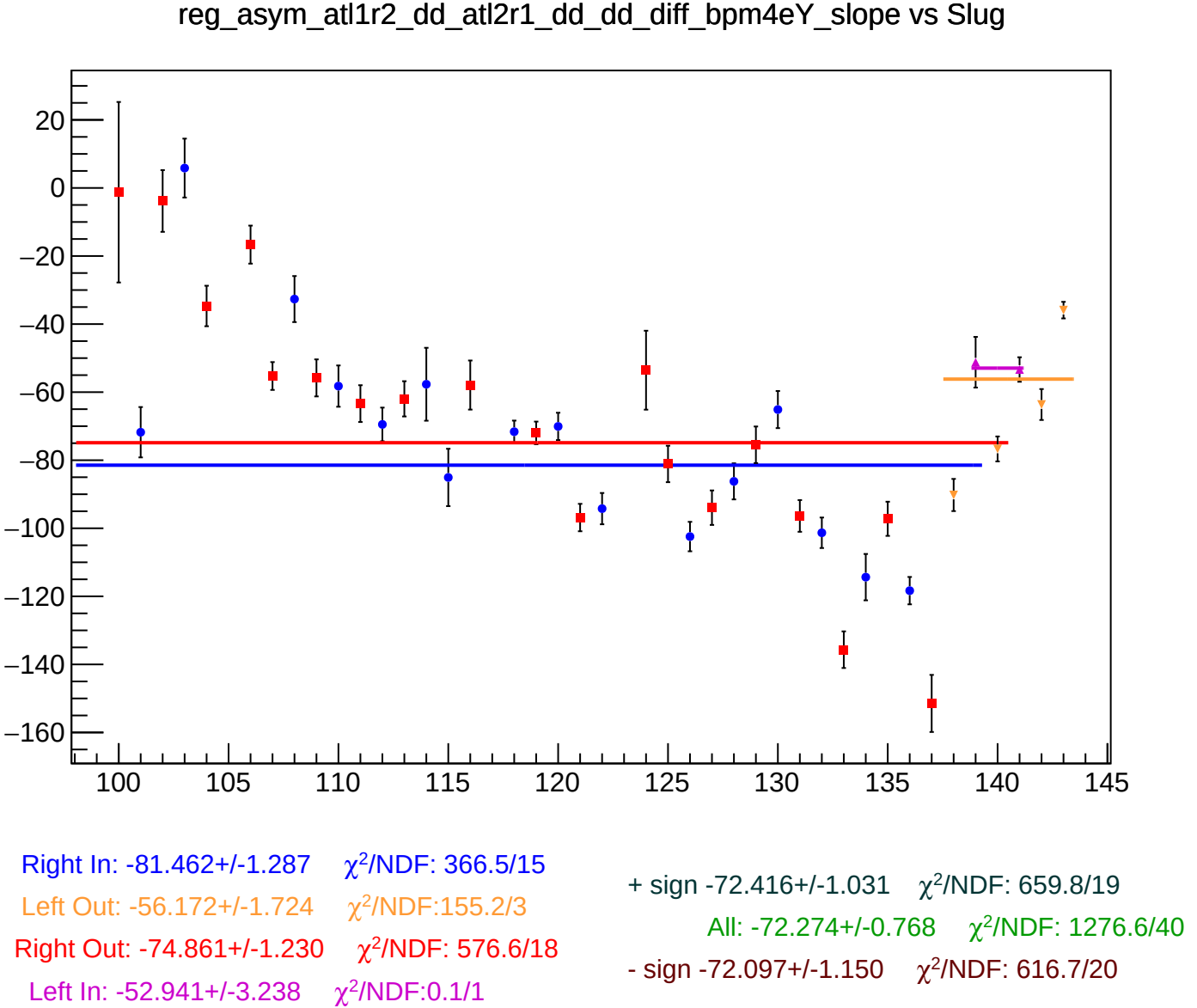
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -255.062+/-3.084 χ^2/NDF:22.4/1

+ sign -224.356+/-1.047 χ^2/NDF: 1958.5/19

All: -224.009+/-0.758 χ^2/NDF: 5149.4/40

- sign -223.626+/-1.099 χ^2/NDF: 3190.7/20


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
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115
120
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130
135
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145
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
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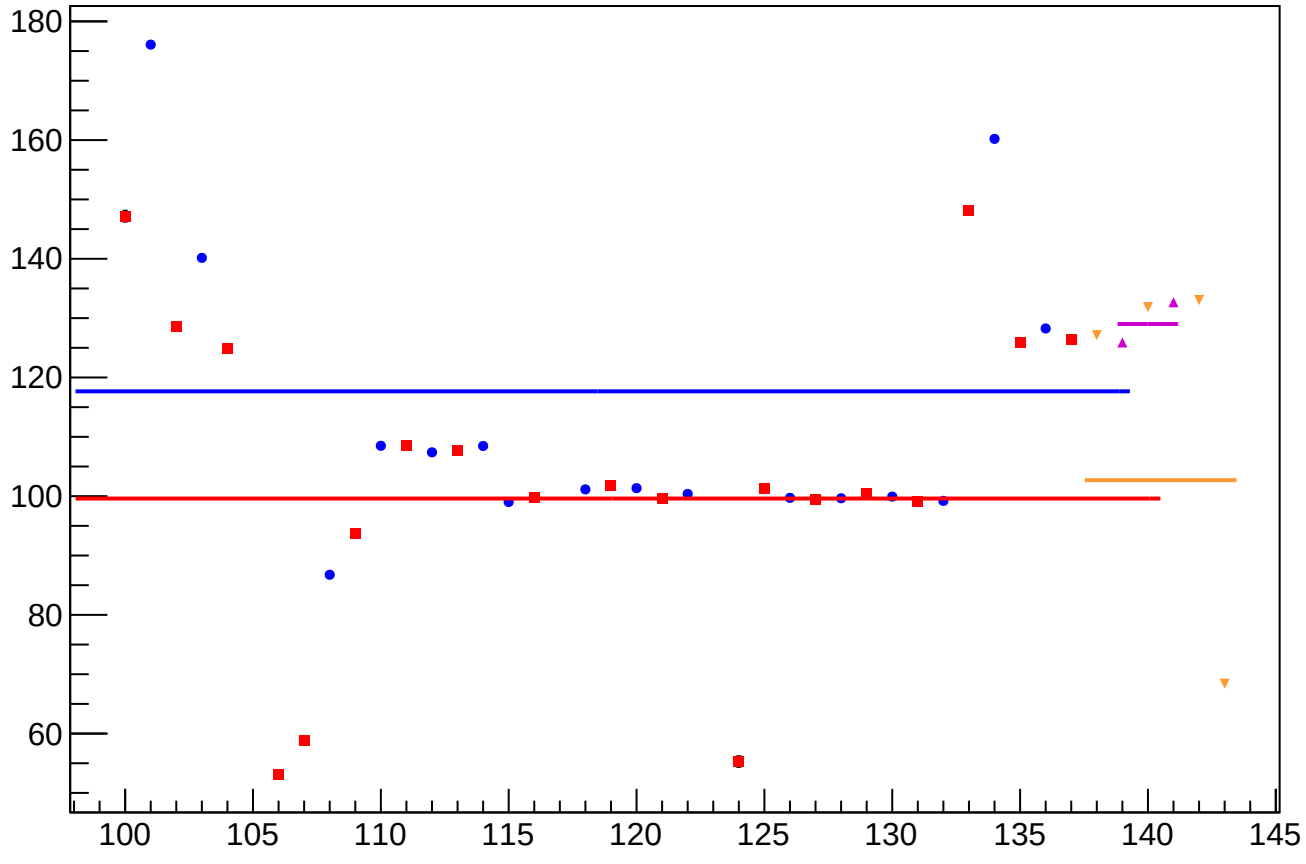
Left In: -52.941+/-3.238 χ²/NDF:0.1/1
+ sign -72.416+/-1.031 χ²/NDF: 659.8/19
All: -72.274+/-0.768 χ²/NDF: 1276.6/40
- sign -72.097+/-1.150 χ²/NDF: 616.7/20



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 102.702+/-0.081 χ^2/NDF:144069.0/3

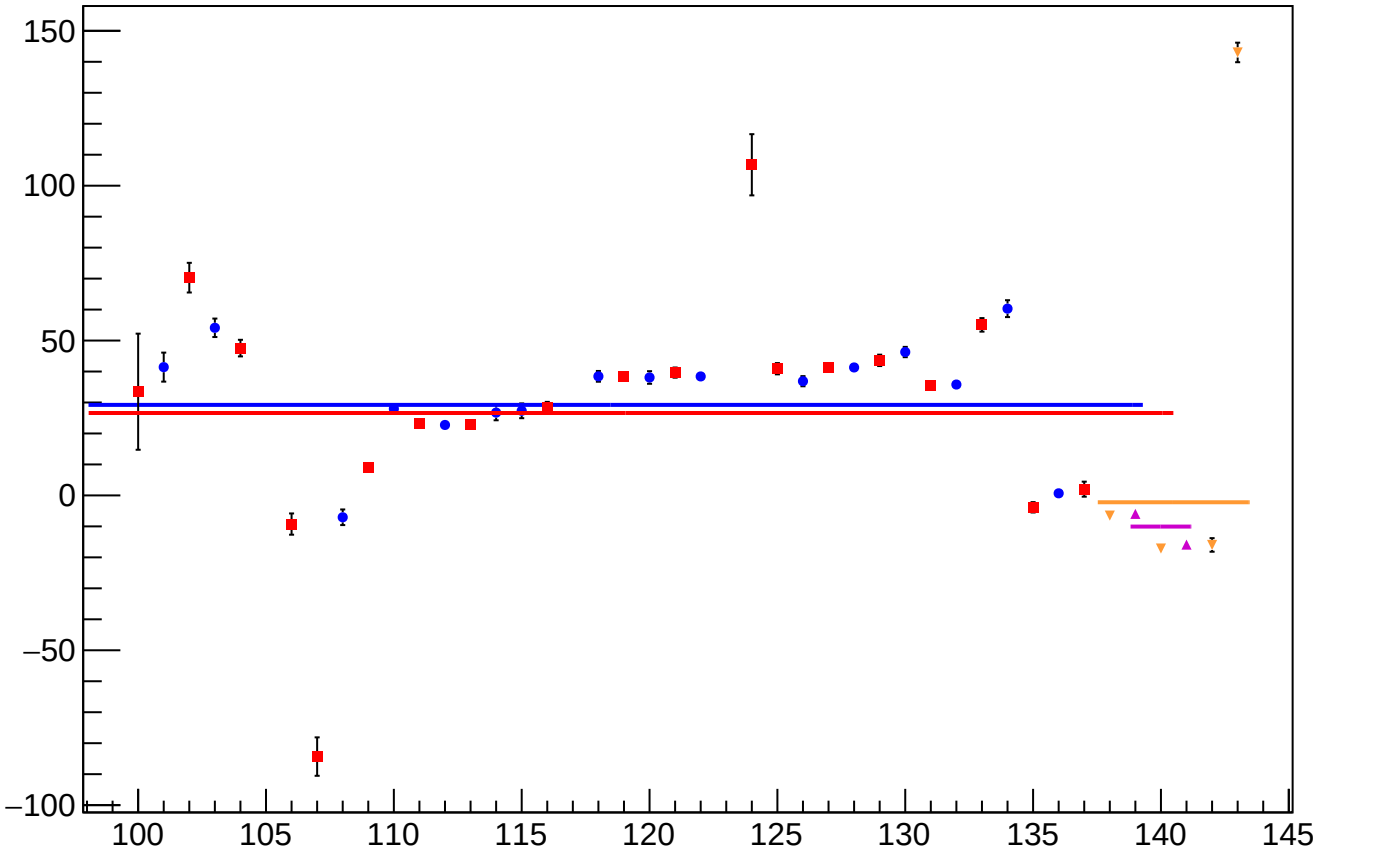
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.012+/-0.118 χ^2/NDF:818.0/1

+ sign 110.460+/-0.056 χ^2/NDF: 257073.7/19

All: 108.995+/-0.041 χ^2/NDF: 471435.6/40

- sign 107.311+/-0.060 χ^2/NDF: 212907.9/20



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.211+/-0.805 χ^2/NDF:2303.5/3

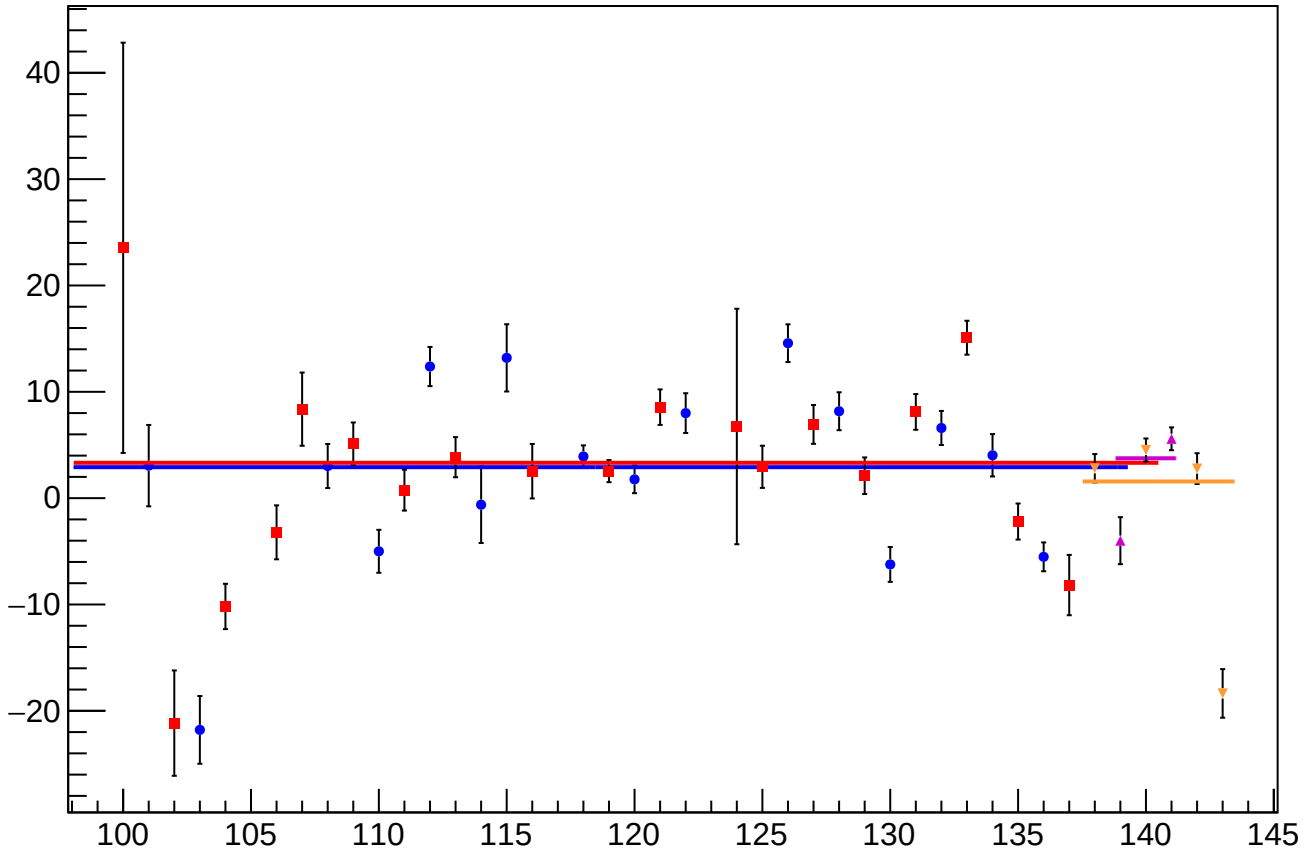
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -10.061+/-0.939 χ^2/NDF:27.1/1

\+ sign 22.390+/-0.375 χ^2/NDF: 4840.8/19

All: 21.520+/-0.267 χ^2/NDF: 8077.2/40

\- sign 20.634+/-0.379 χ^2/NDF: 3225.5/20



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.569+/-0.692 χ^2/NDF:85.0/3

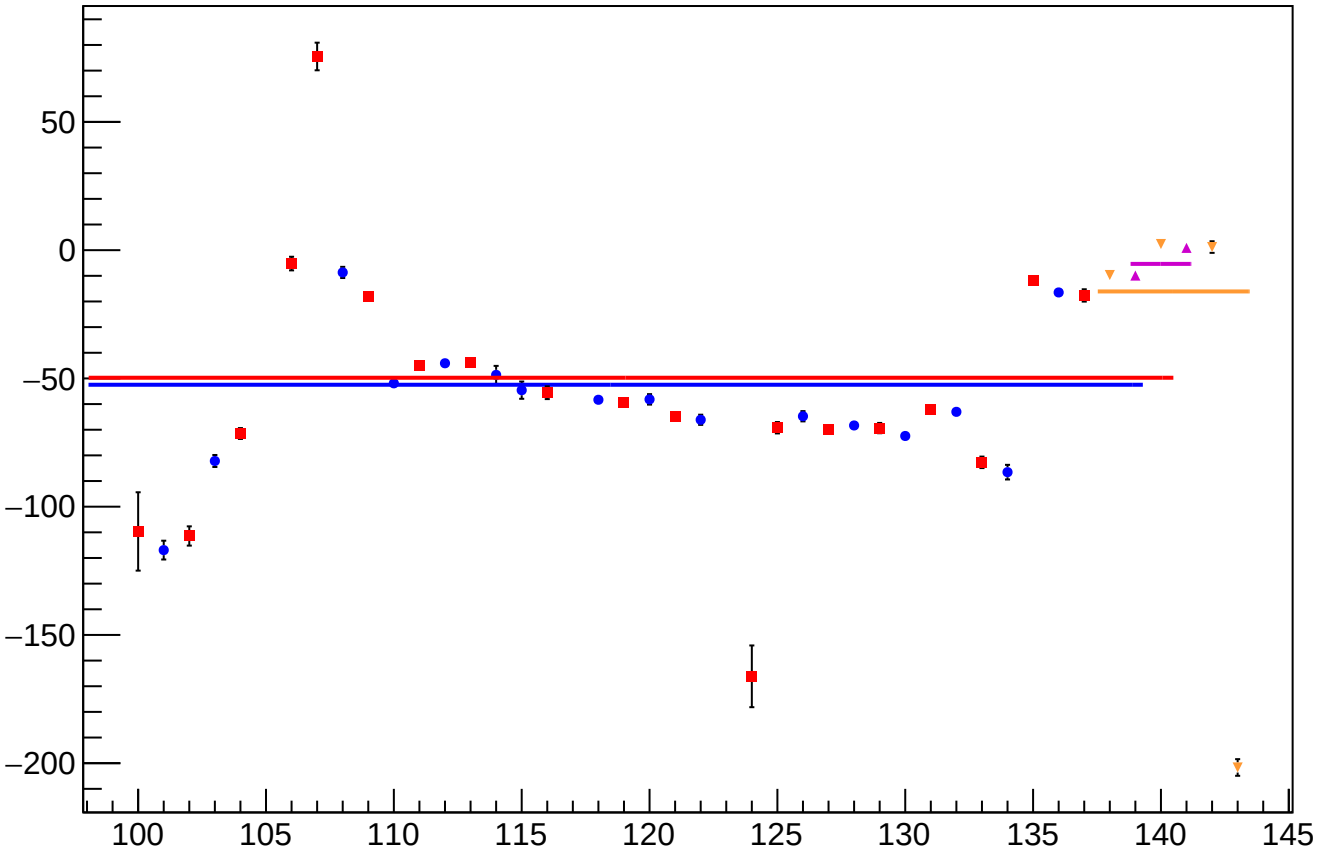
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 3.750+/-0.966 χ^2/NDF:15.2/1

+ sign 2.523+/-0.373 χ^2/NDF: 337.7/19

All: 2.920+/-0.276 χ^2/NDF: 537.3/40

- sign 3.402+/-0.411 χ^2/NDF: 197.1/20



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -16.092+/-0.833 χ^2/NDF:3547.4/3

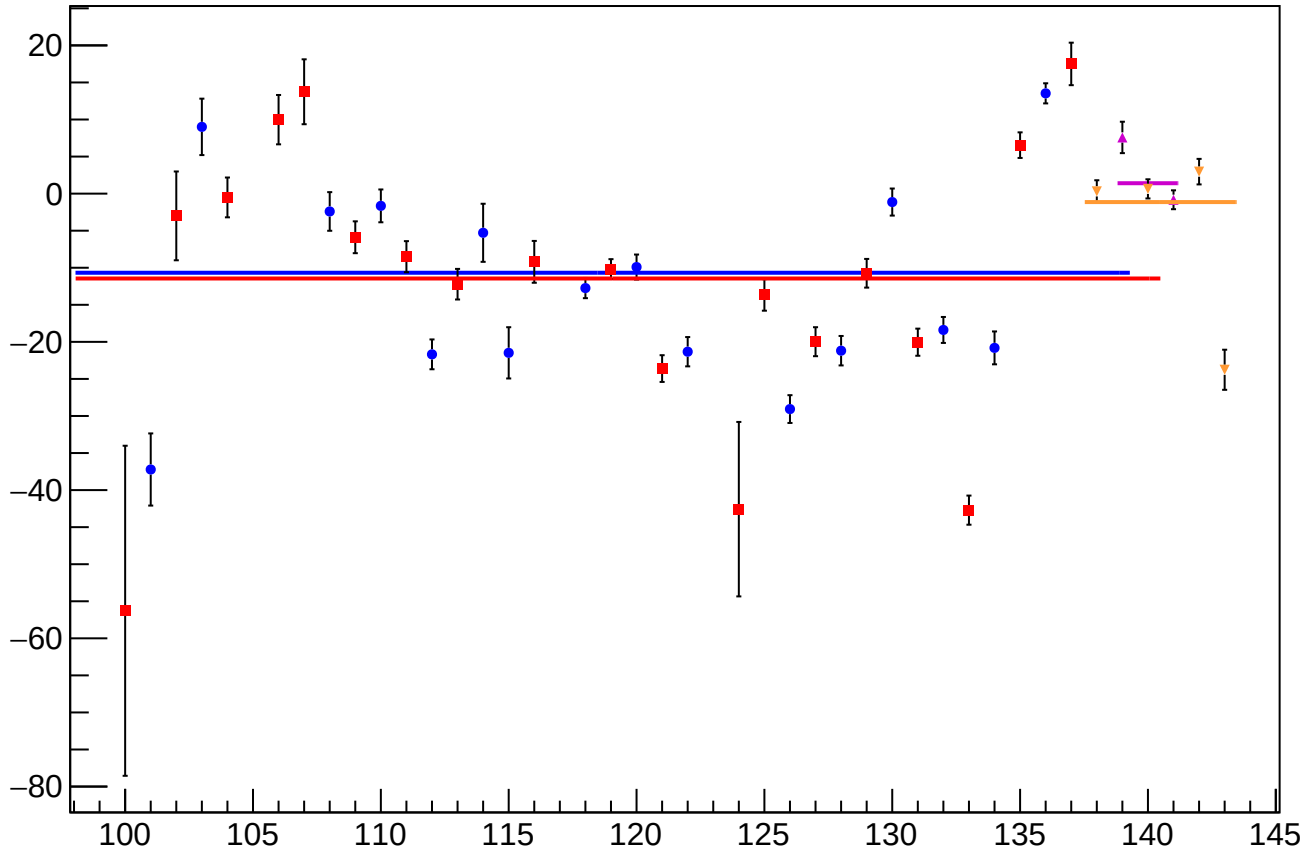
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -5.351+/-0.972 χ^2/NDF:30.1/1

+ sign -43.180+/-0.421 χ^2/NDF: 7297.4/19

All: -41.958+/-0.304 χ^2/NDF: 12012.2/40

- sign -40.620+/-0.440 χ^2/NDF: 4697.1/20



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: -1.138+/-0.812 χ^2/NDF:78.5/3

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

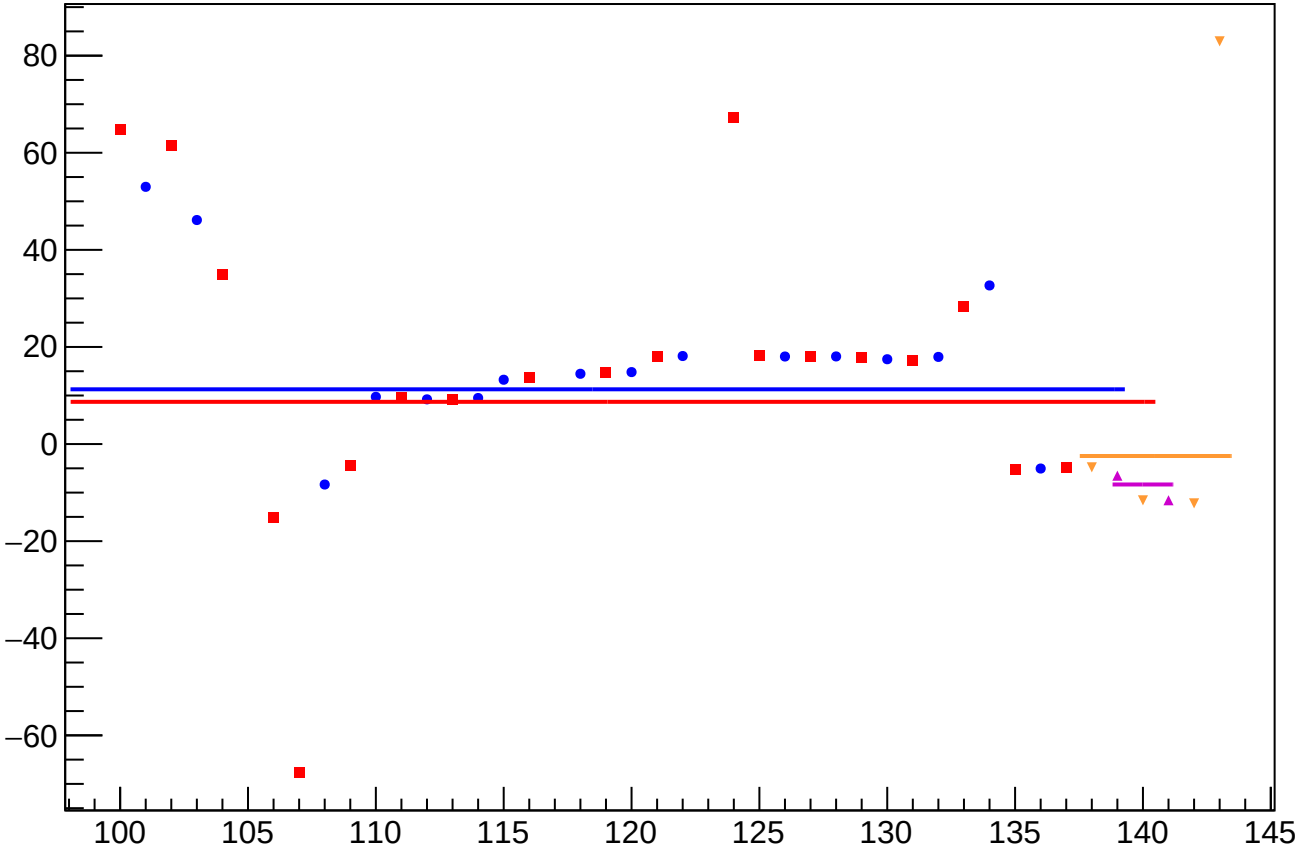
Left In: 1.405+/-1.091 χ^2/NDF:11.6/1

+ sign -8.011+/-0.429 χ^2/NDF: 844.3/19

All: -8.510+/-0.316 χ^2/NDF: 1638.0/40

- sign -9.101+/-0.467 χ^2/NDF: 790.7/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.462+/-0.034 χ^2/NDF:436912.9/3

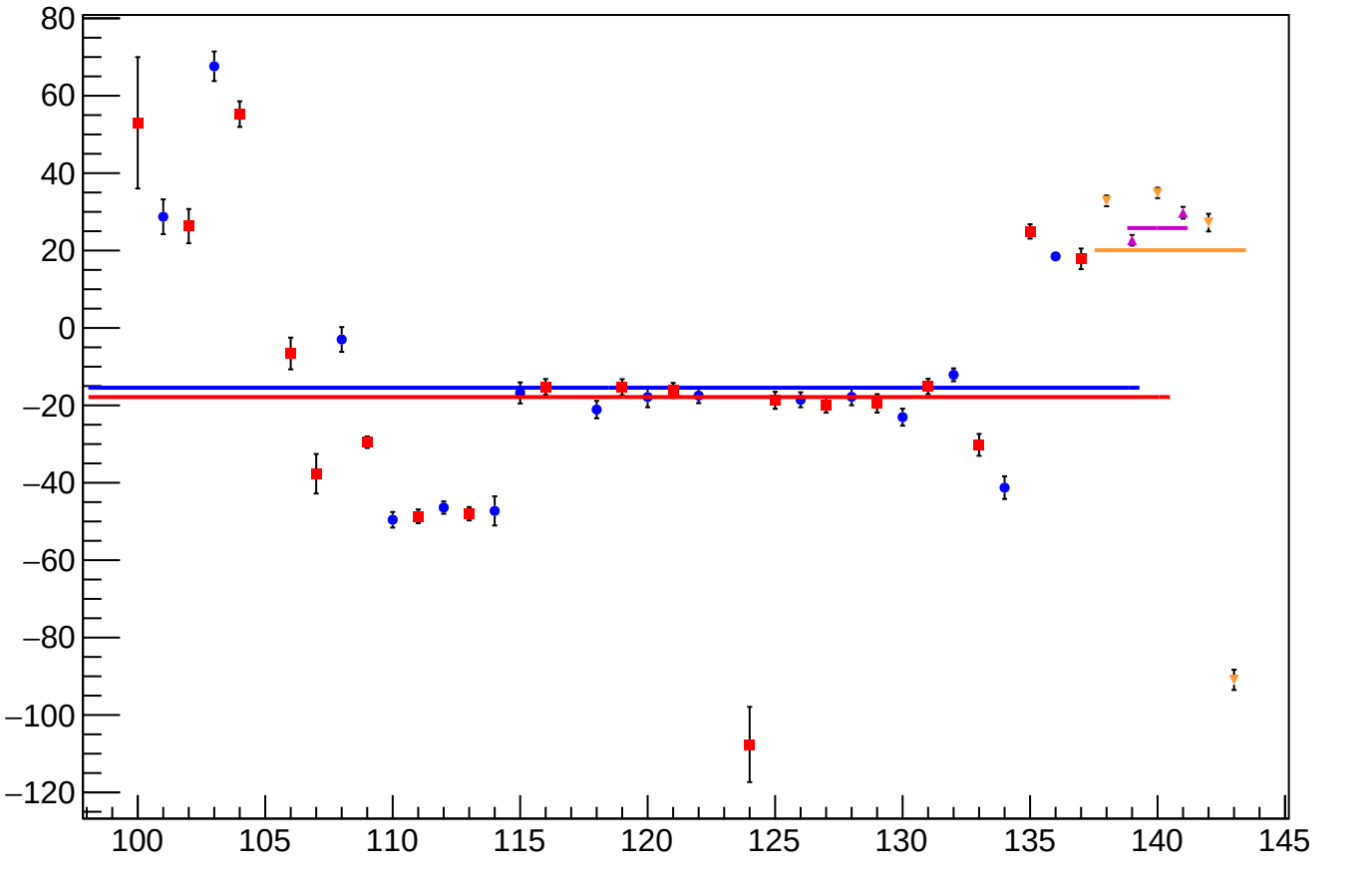
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.327+/-0.037 χ^2/NDF:4418.5/1

+ sign 5.379+/-0.023 χ^2/NDF: 876763.1/19

All: 3.518+/-0.016 χ^2/NDF: 1456583.7/40

- sign 1.452+/-0.024 χ^2/NDF: 565519.7/20



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 20.084+/-0.840 χ^2/NDF:2021.7/3

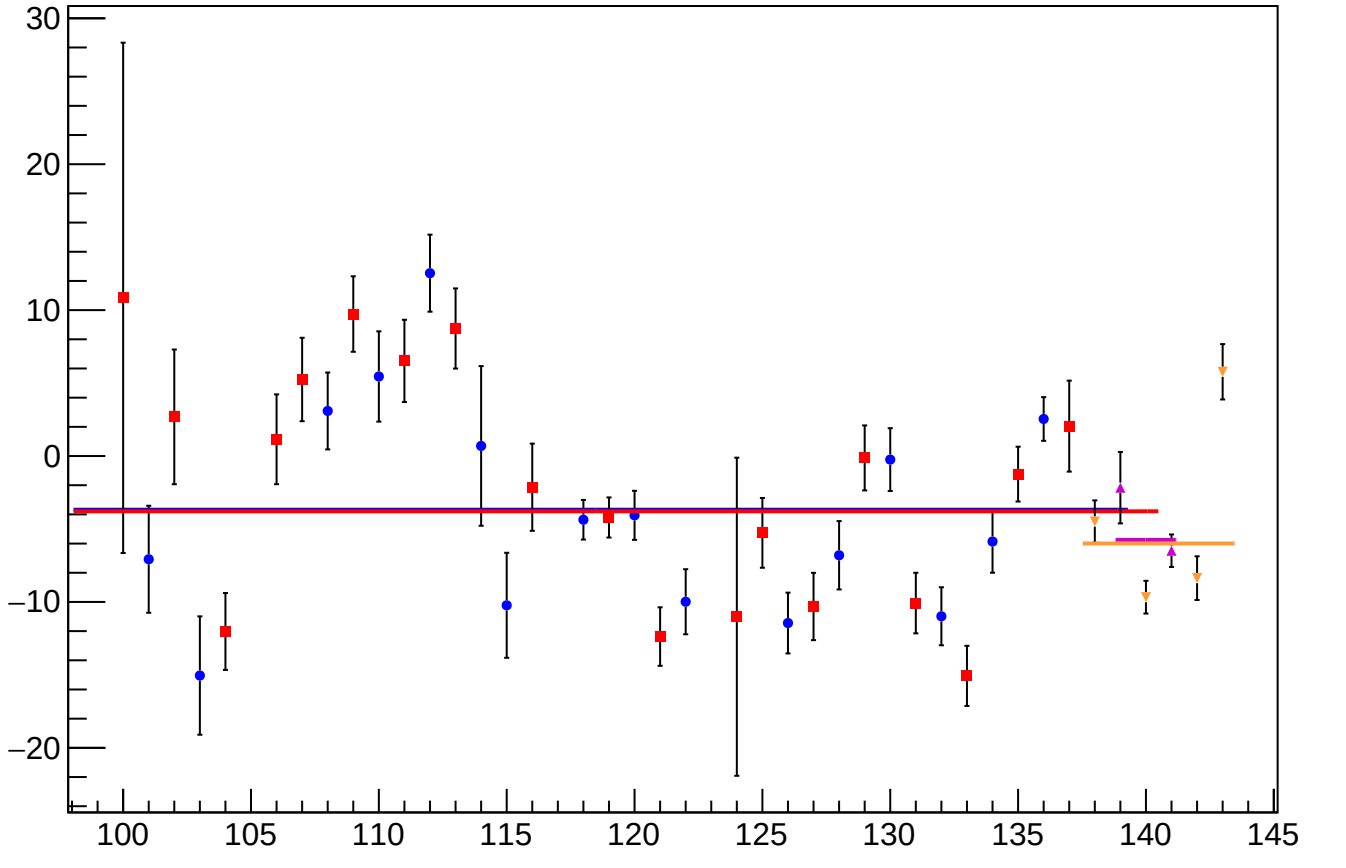
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.816+/-1.011 χ^2/NDF:12.2/1

+ sign -5.076+/-0.454 χ^2/NDF: 5412.7/19

All: -6.706+/-0.326 χ^2/NDF: 9039.7/40

- sign -8.450+/-0.469 χ^2/NDF: 3600.3/20



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -5.996+/-0.708 χ^2/NDF:52.9/3

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

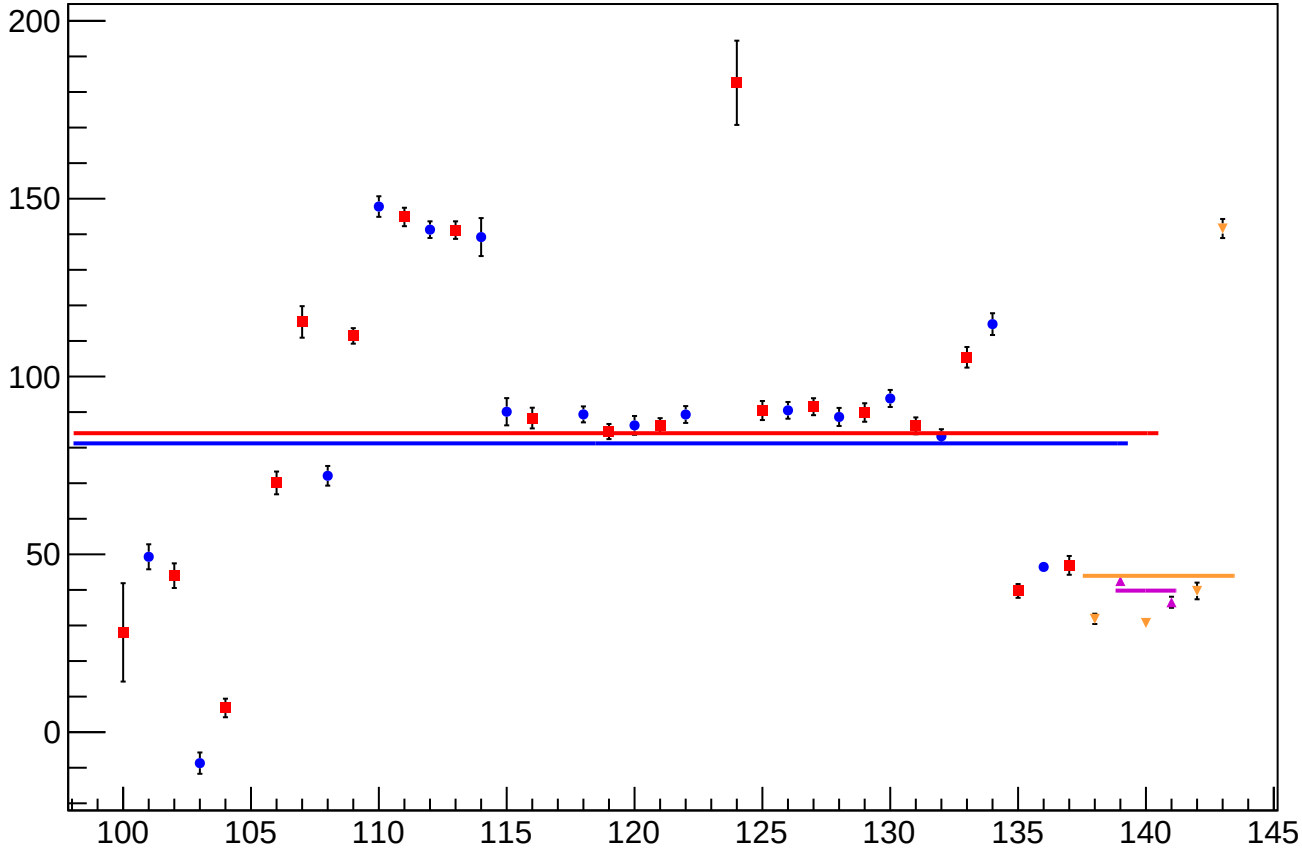
Left In: -5.748+/-1.015 χ^2/NDF:2.6/1

\+ sign -4.555+/-0.435 χ^2/NDF: 183.5/19

All: -4.422+/-0.326 χ^2/NDF: 350.4/40

\- sign -4.252+/-0.493 χ^2/NDF: 166.6/20

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.964+/-0.869 χ^2/NDF:1486.8/3

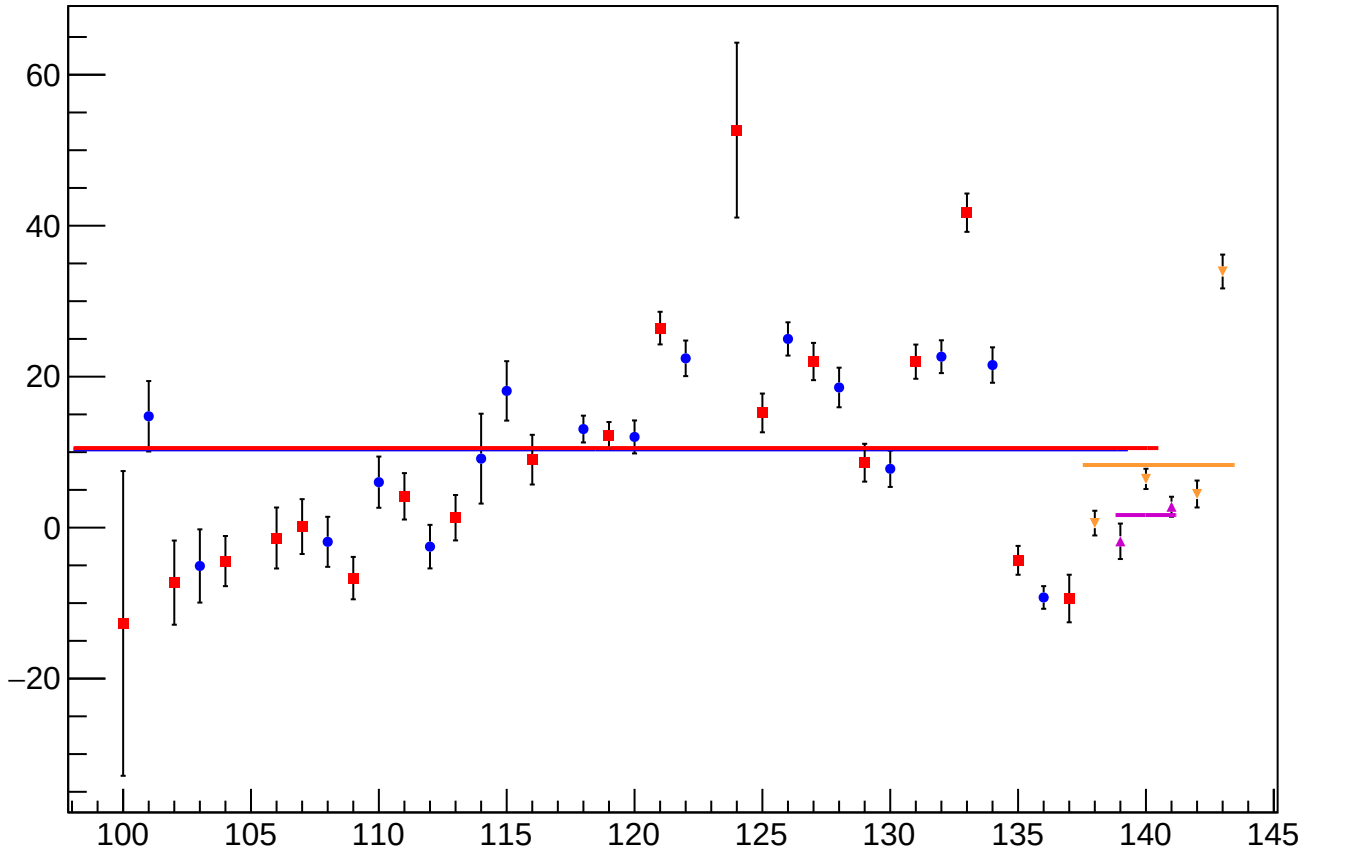
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.803+/-1.047 χ^2/NDF:8.1/1

+ sign 68.988+/-0.498 χ^2/NDF: 5951.6/19

All: 70.709+/-0.363 χ^2/NDF: 10519.9/40

- sign 72.669+/-0.531 χ^2/NDF: 4542.7/20



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 8.296+/-0.833 χ^2/NDF:159.5/3

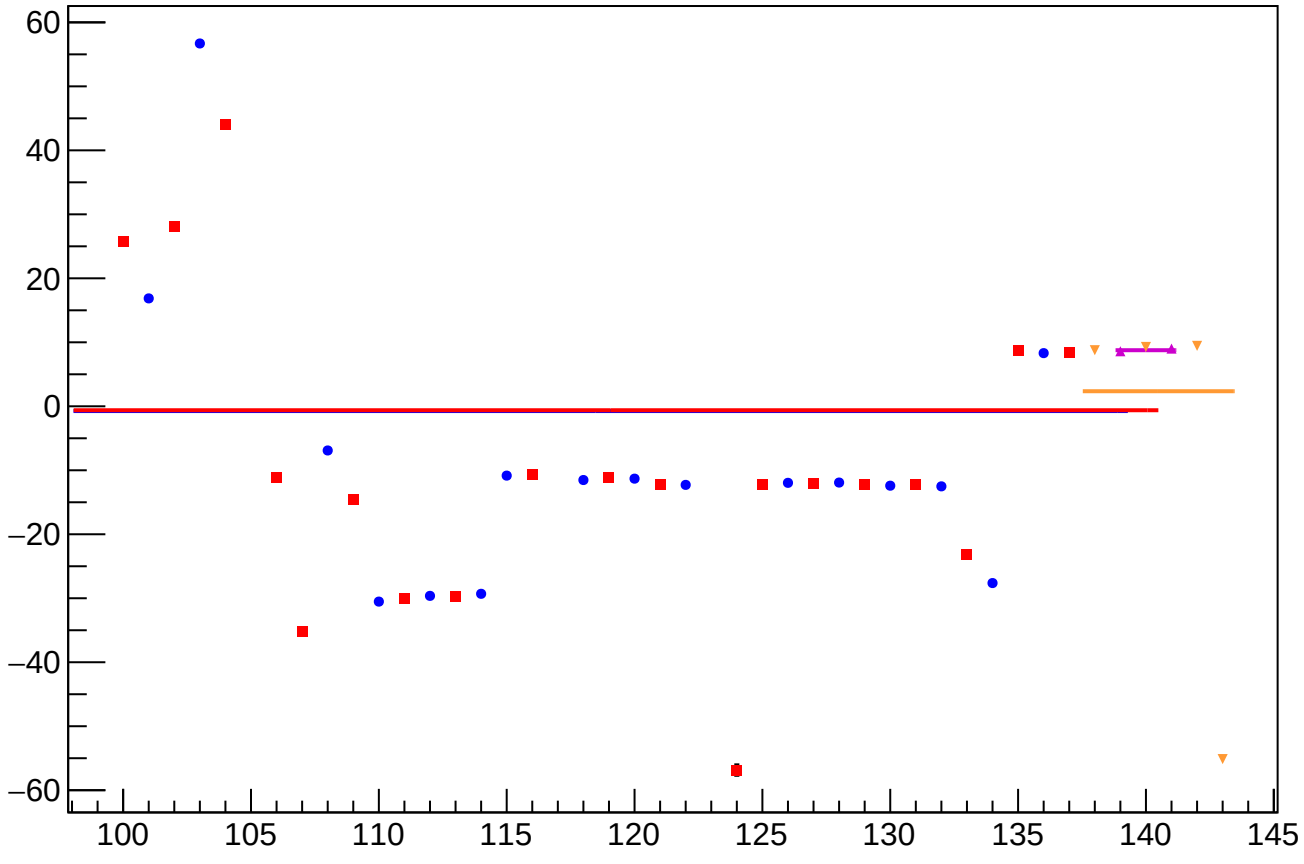
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.668+/-1.152 χ^2/NDF:2.9/1

+ sign 9.618+/-0.501 χ^2/NDF: 523.2/19

All: 9.097+/-0.373 χ^2/NDF: 1044.6/40

- sign 8.446+/-0.560 χ^2/NDF: 518.9/20



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.353+/-0.036 χ^2/NDF:295615.6/3

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

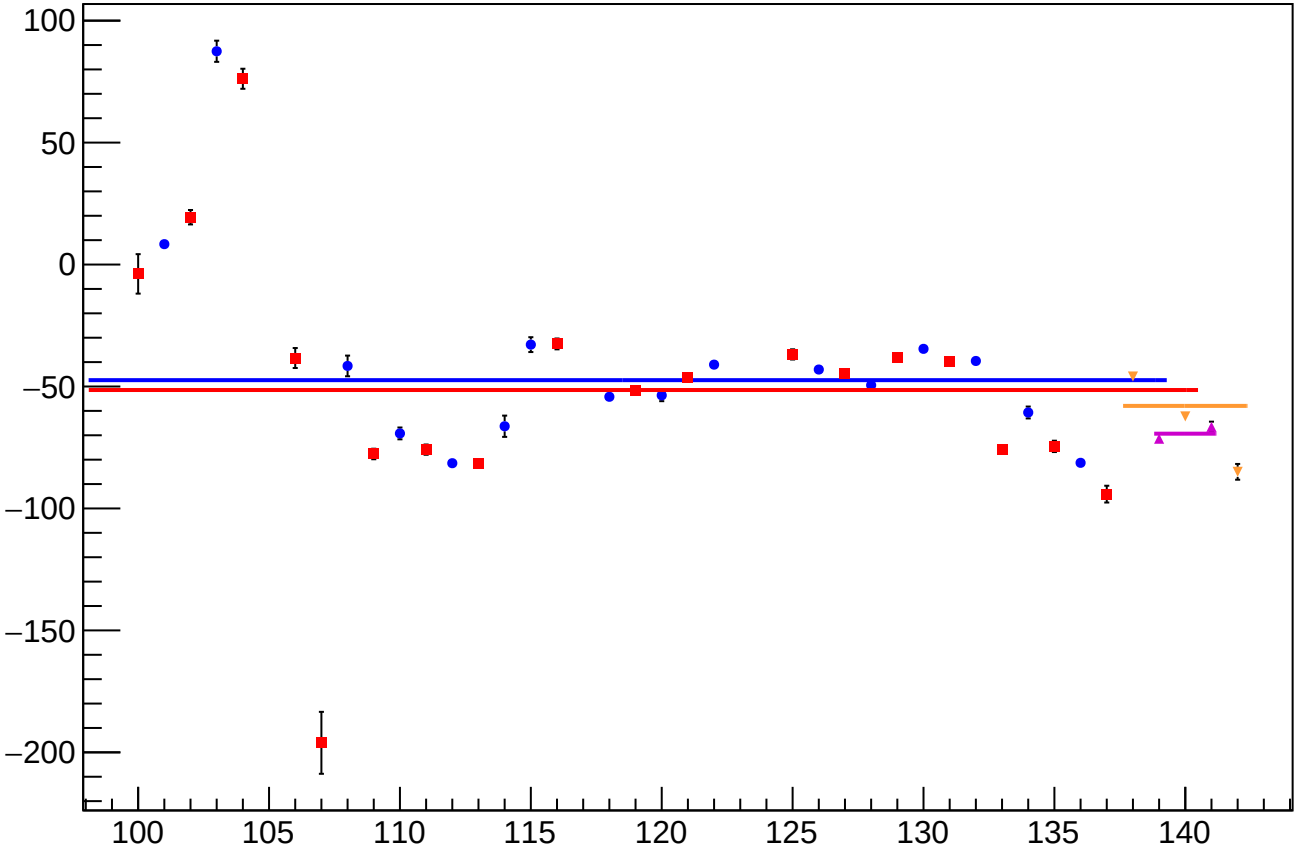
Left In: 8.764+/-0.039 χ^2/NDF:26.2/1

+ sign 0.793+/-0.025 χ^2/NDF: 667309.9/19

All: 2.205+/-0.019 χ^2/NDF: 1020199.0/40

- sign 3.809+/-0.027 χ^2/NDF: 346318.6/20

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -57.953+/-1.197 χ^2/NDF:121.2/2

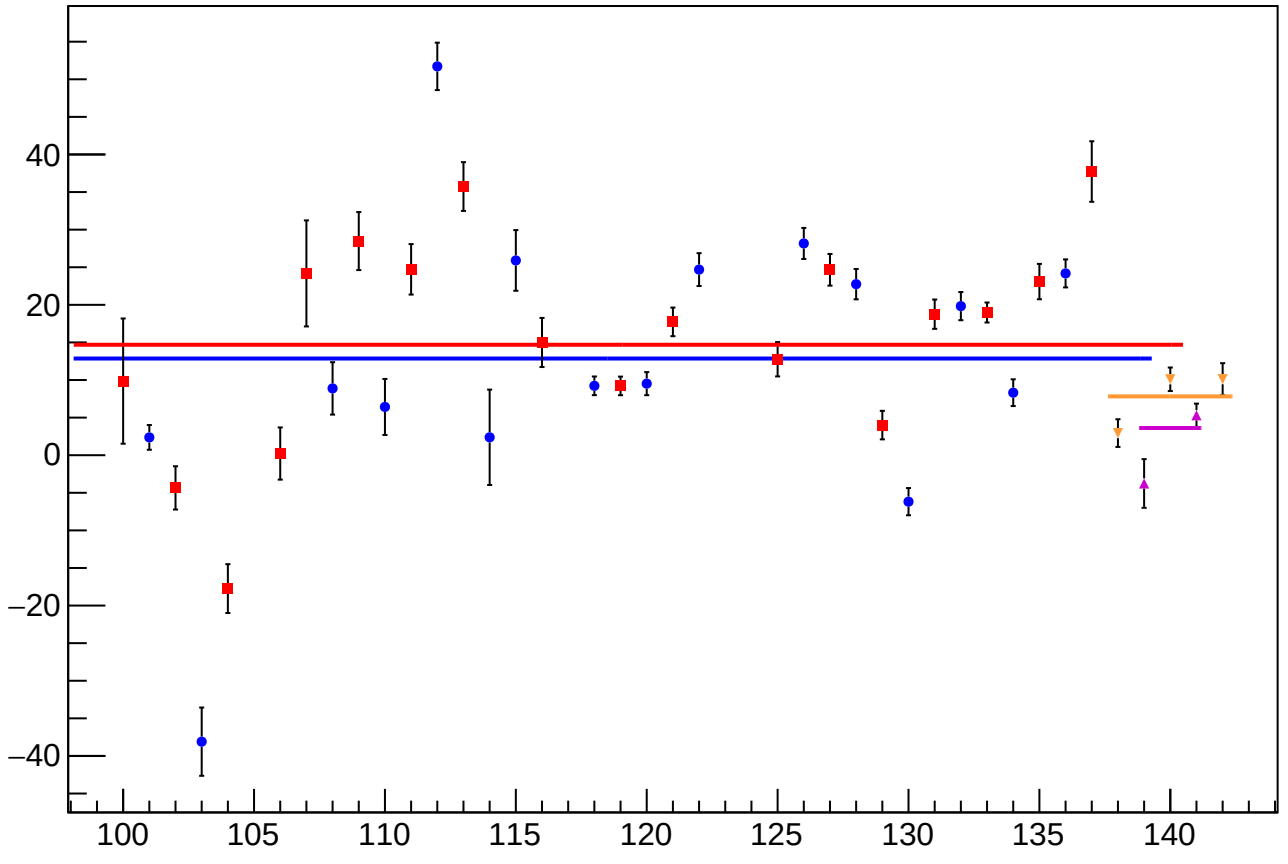
Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -69.345+/-1.374 χ^2/NDF:3.1/1

\+ sign -49.155+/-0.489 χ^2/NDF: 2955.0/18

All: -51.430+/-0.352 χ^2/NDF: 6022.5/38

\- sign -53.877+/-0.507 χ^2/NDF: 3022.5/19



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.822+/-1.040 χ^2/NDF:10.3/2

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

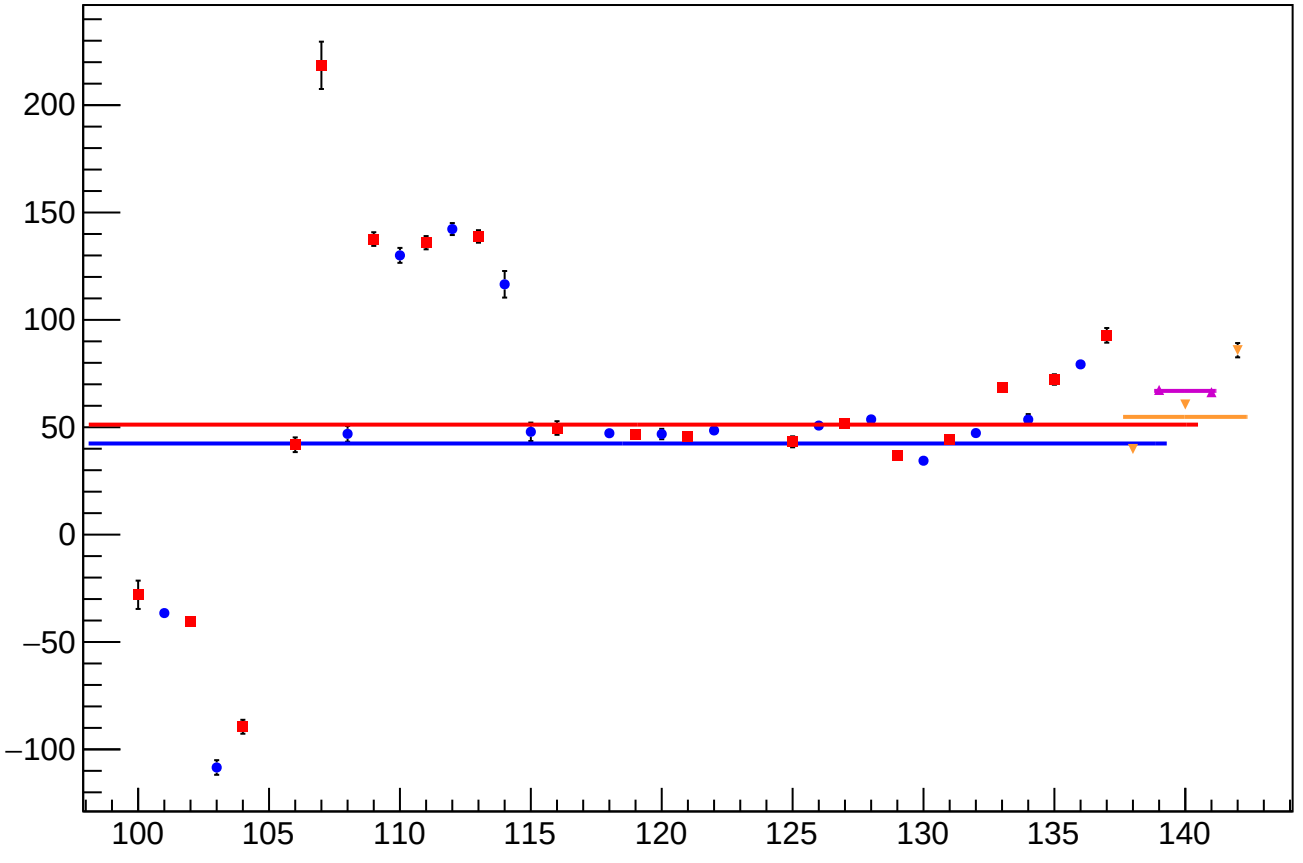
Left In: 3.618+/-1.398 χ^2/NDF:6.4/1

+ sign 11.856+/-0.464 χ^2/NDF: 654.6/18

All: 12.484+/-0.342 χ^2/NDF: 1083.5/38

- sign 13.234+/-0.507 χ^2/NDF: 425.0/19

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 54.832+/-1.240 χ^2/NDF:160.8/2

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

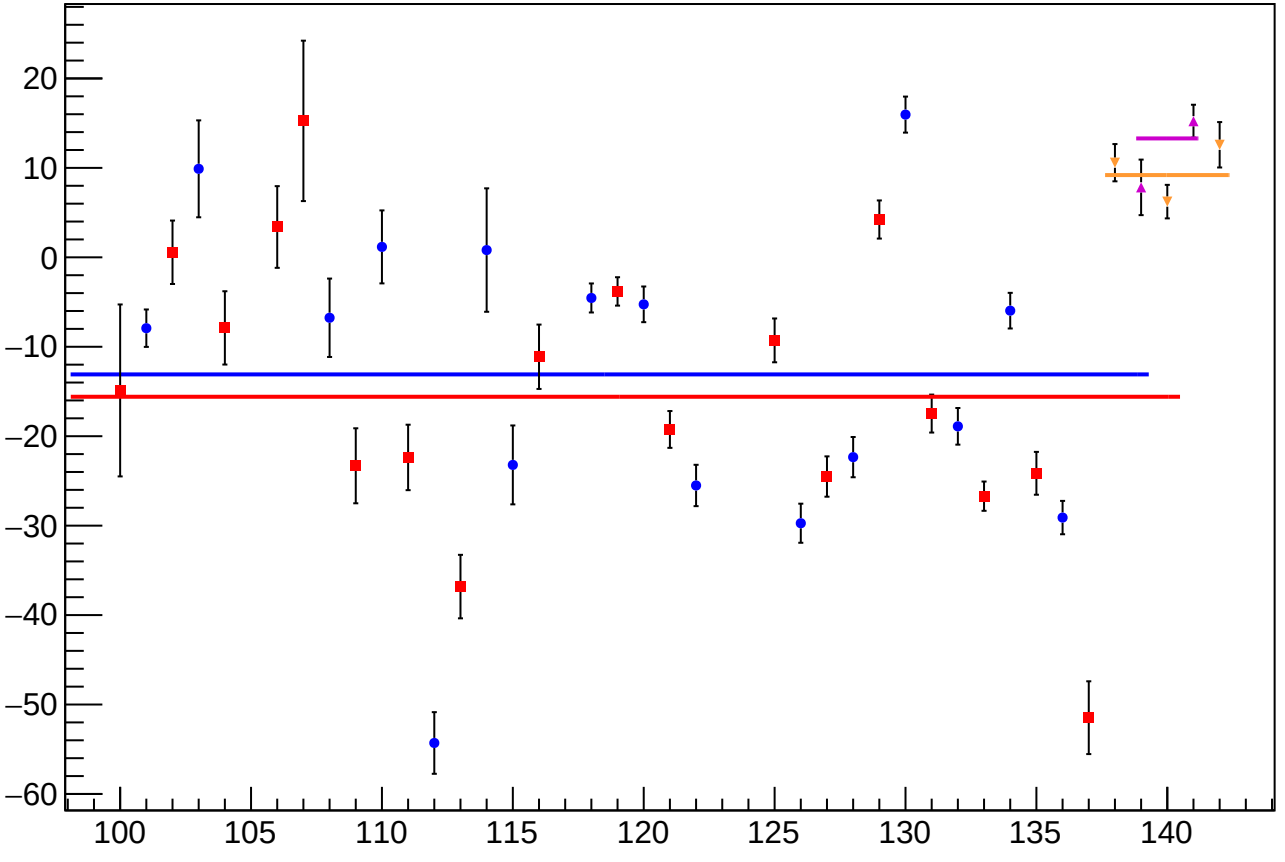
Left In: 66.929+/-1.423 χ^2/NDF:0.1/1

+ sign 44.688+/-0.529 χ^2/NDF: 7411.4/18

All: 48.897+/-0.386 χ^2/NDF: 14261.1/38

- sign 53.695+/-0.564 χ^2/NDF: 6714.0/19

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 9.197+/-1.221 χ^2/NDF:4.7/2

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

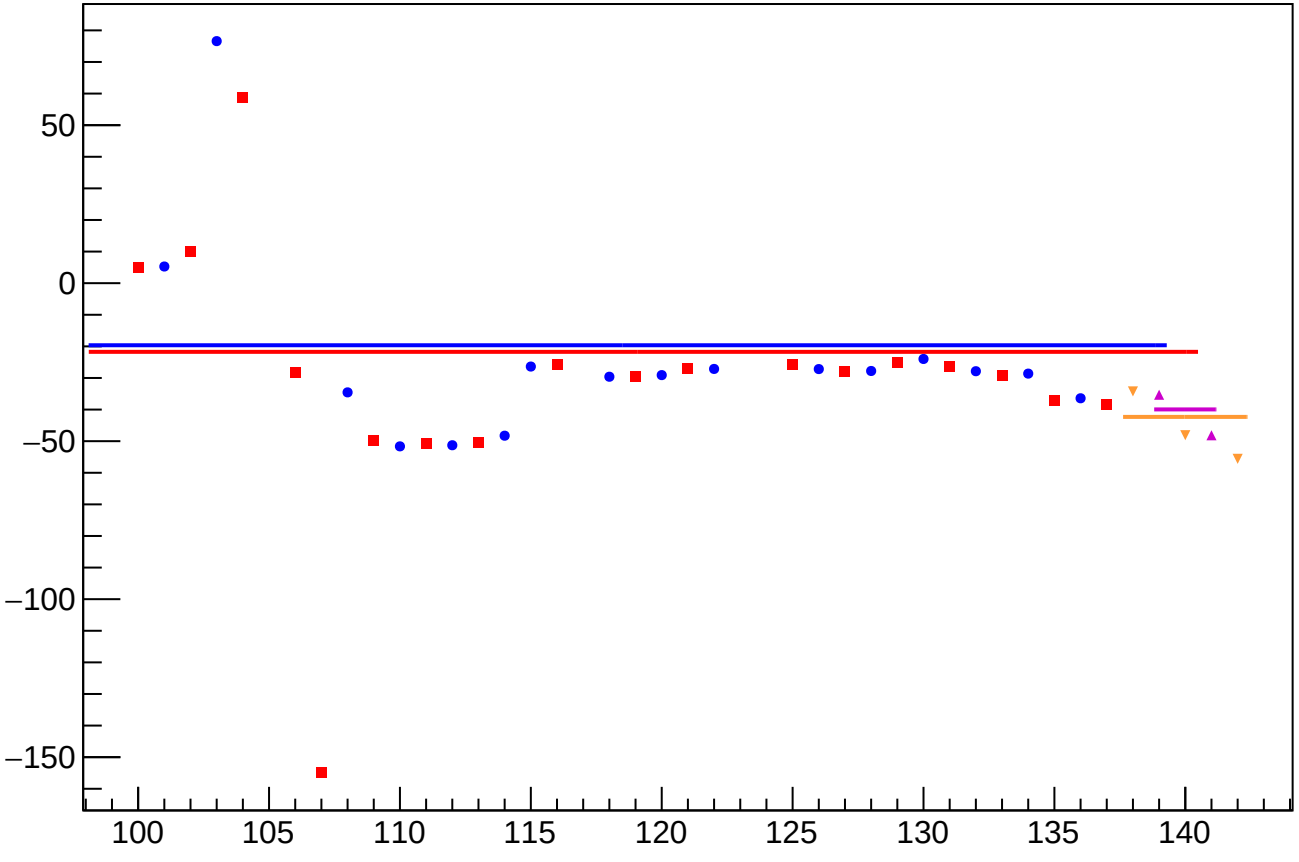
Left In: 13.294+/-1.584 χ^2/NDF:4.2/1

\+ sign -8.761+/-0.538 χ^2/NDF: 912.9/18

All: -10.103+/-0.395 χ^2/NDF: 1620.0/38

\- sign -11.678+/-0.583 χ^2/NDF: 693.6/19

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -42.318+/-0.052 χ^2/NDF:26144.1/2

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

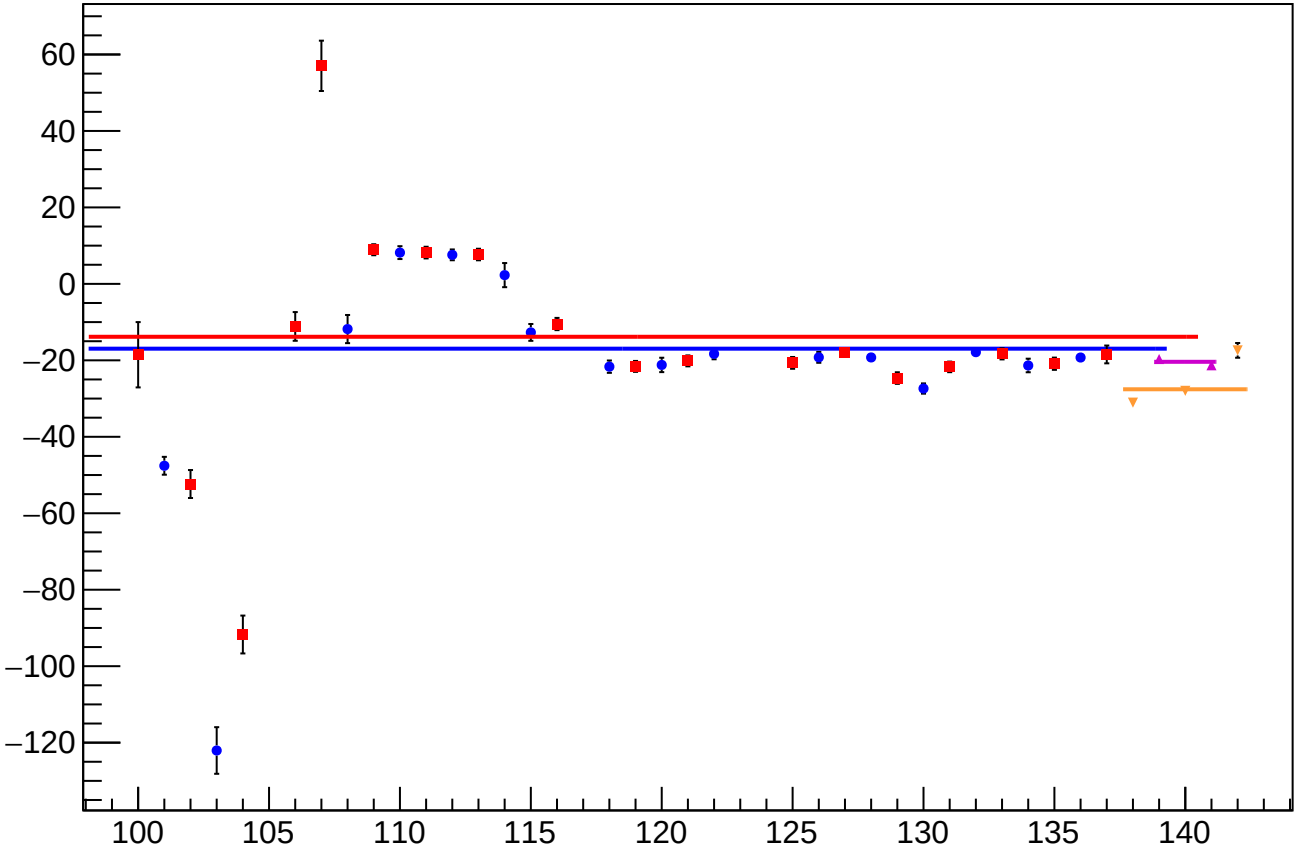
Left In: -39.951+/-0.053 χ^2/NDF:13343.3/1

+ sign -27.101+/-0.030 χ^2/NDF: 802739.7/18

All: -27.545+/-0.022 χ^2/NDF: 1439307.7/38

- sign -28.045+/-0.031 χ^2/NDF: 636090.2/19

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.570+/-0.762 χ^2/NDF:36.5/2

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

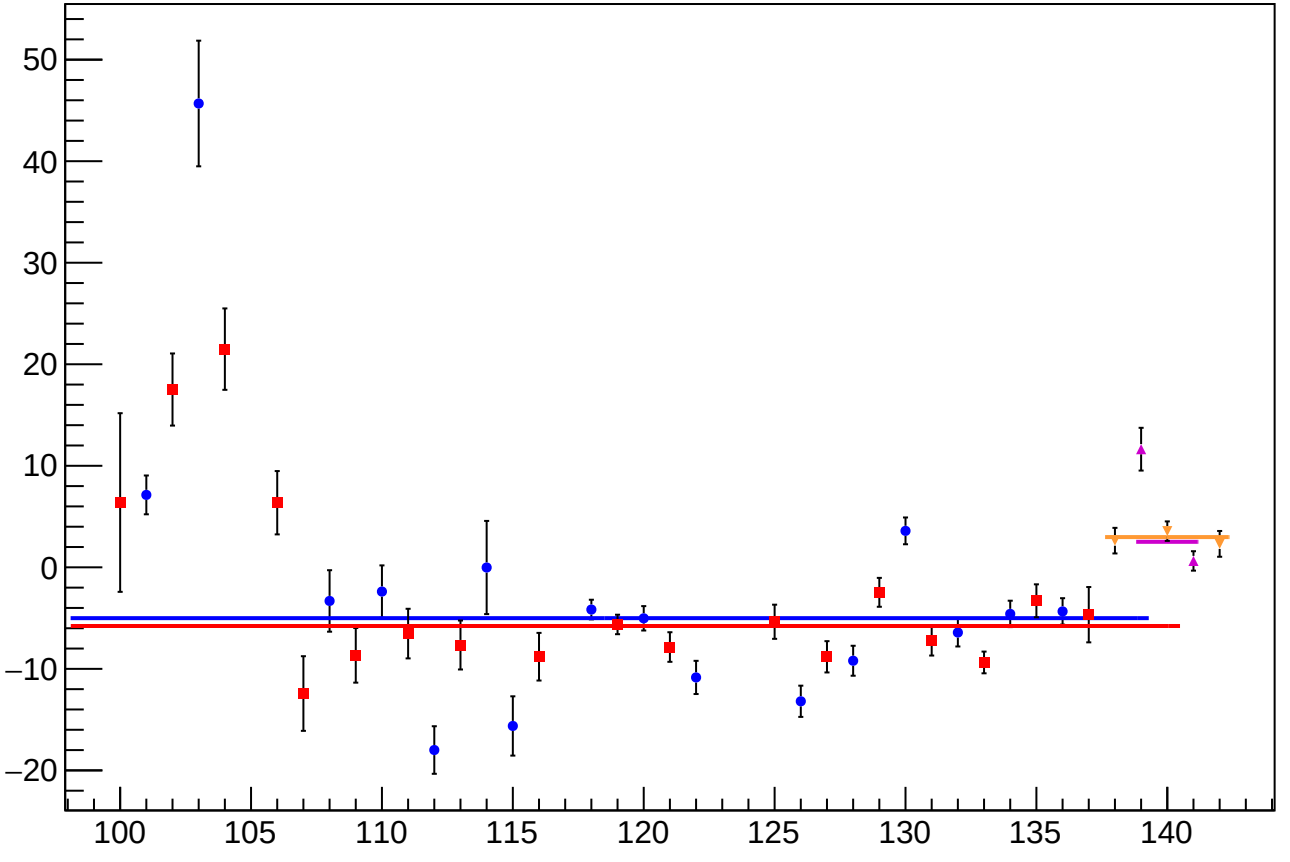
Left In: -20.385+/-0.868 χ^2/NDF:0.9/1

+ sign -19.280+/-0.357 χ^2/NDF: 1316.4/18

All: -17.231+/-0.257 χ^2/NDF: 2765.5/38

- sign -15.027+/-0.370 χ^2/NDF: 1380.6/19

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: 2.979+/-0.654 χ^2/NDF:0.7/2

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

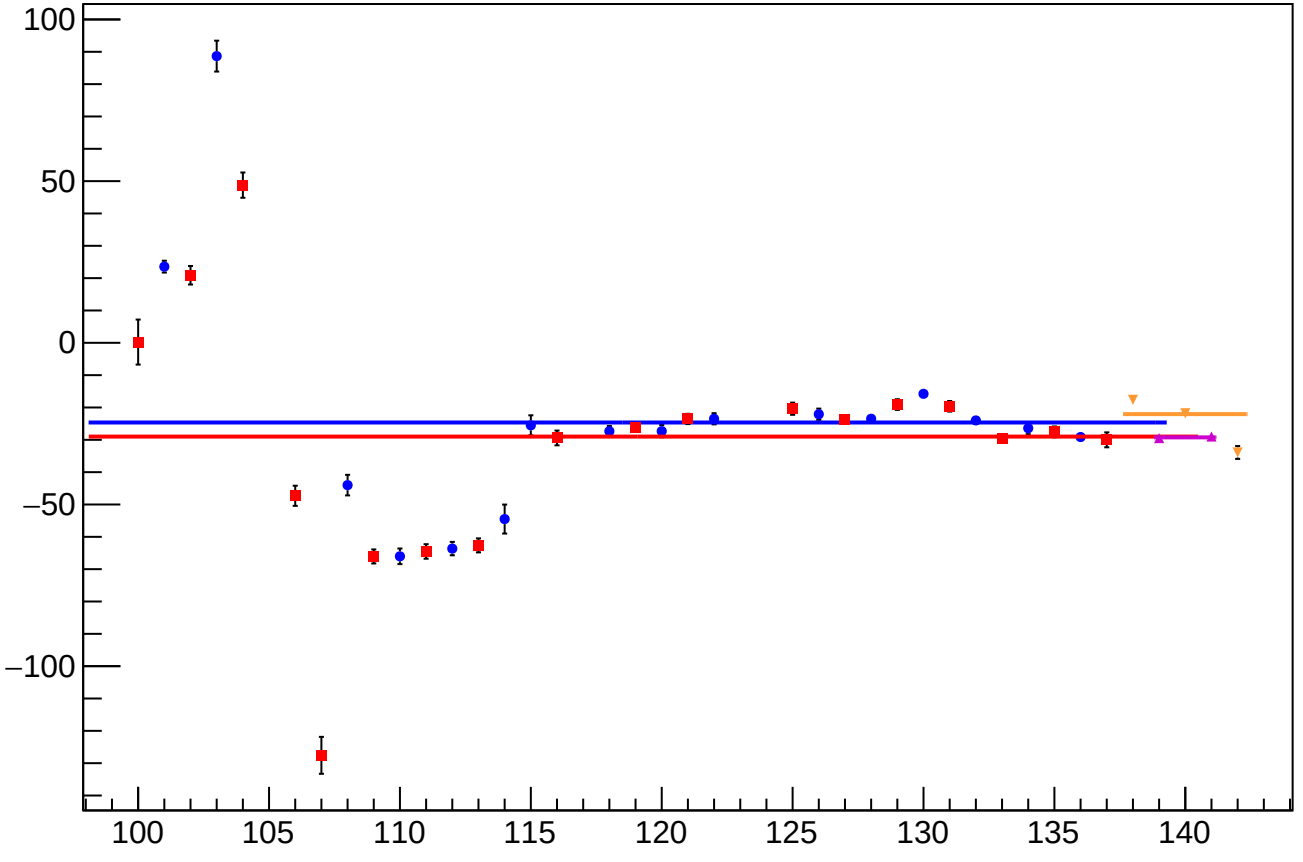
Left In: 2.512+/-0.871 χ^2/NDF:22.6/1

+ sign -2.823+/-0.342 χ^2/NDF: 356.7/18

All: -3.452+/-0.254 χ^2/NDF: 599.7/38

- sign -4.218+/-0.378 χ^2/NDF: 235.6/19

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -22.051+/-0.788 χ^2/NDF:48.1/2

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

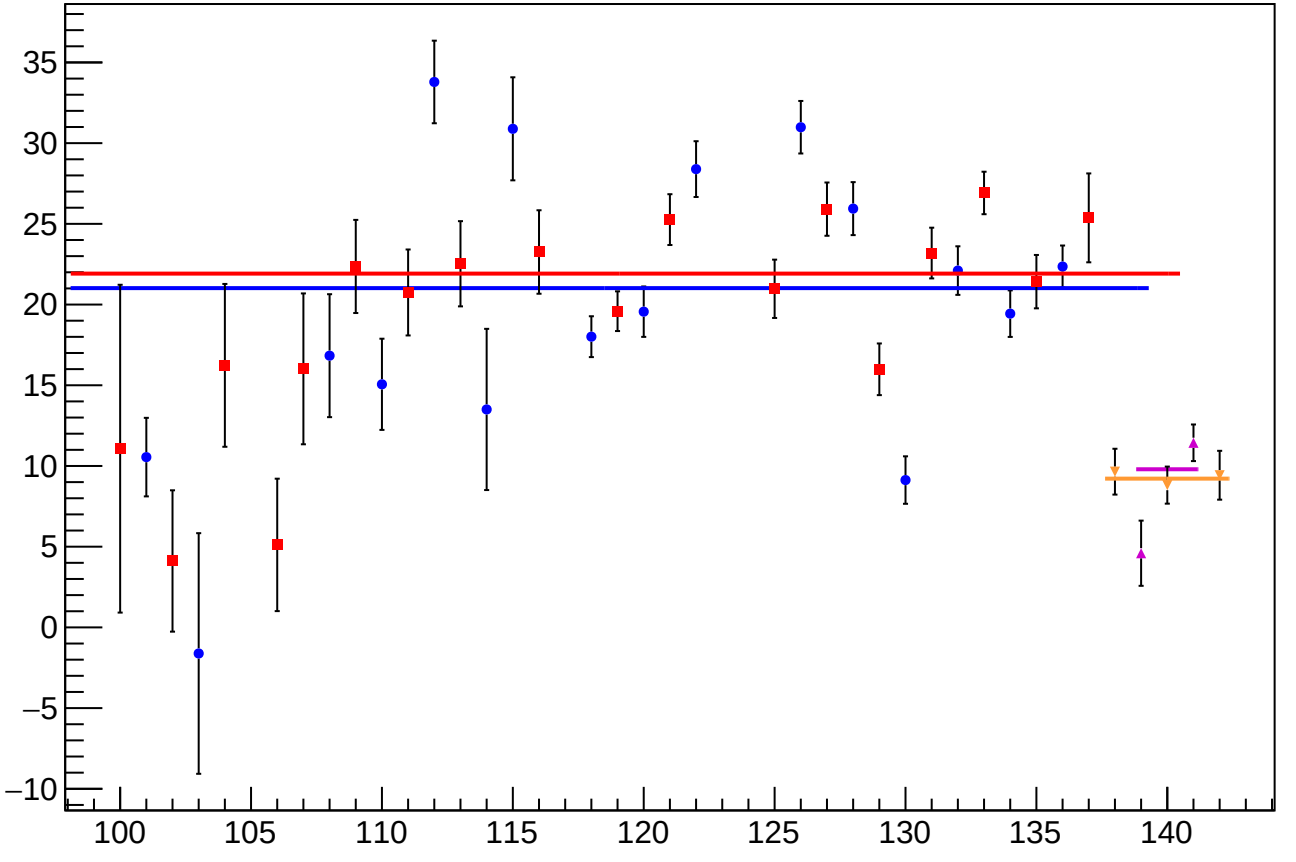
Left In: -29.242+/-0.898 χ^2/NDF:0.1/1

\+ sign -23.994+/-0.394 χ^2/NDF: 2108.0/18

All: -26.363+/-0.287 χ^2/NDF: 4137.6/38

\- sign -29.054+/-0.420 χ^2/NDF: 1952.4/19

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 9.216+/-0.769 χ^2/NDF:0.2/2

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

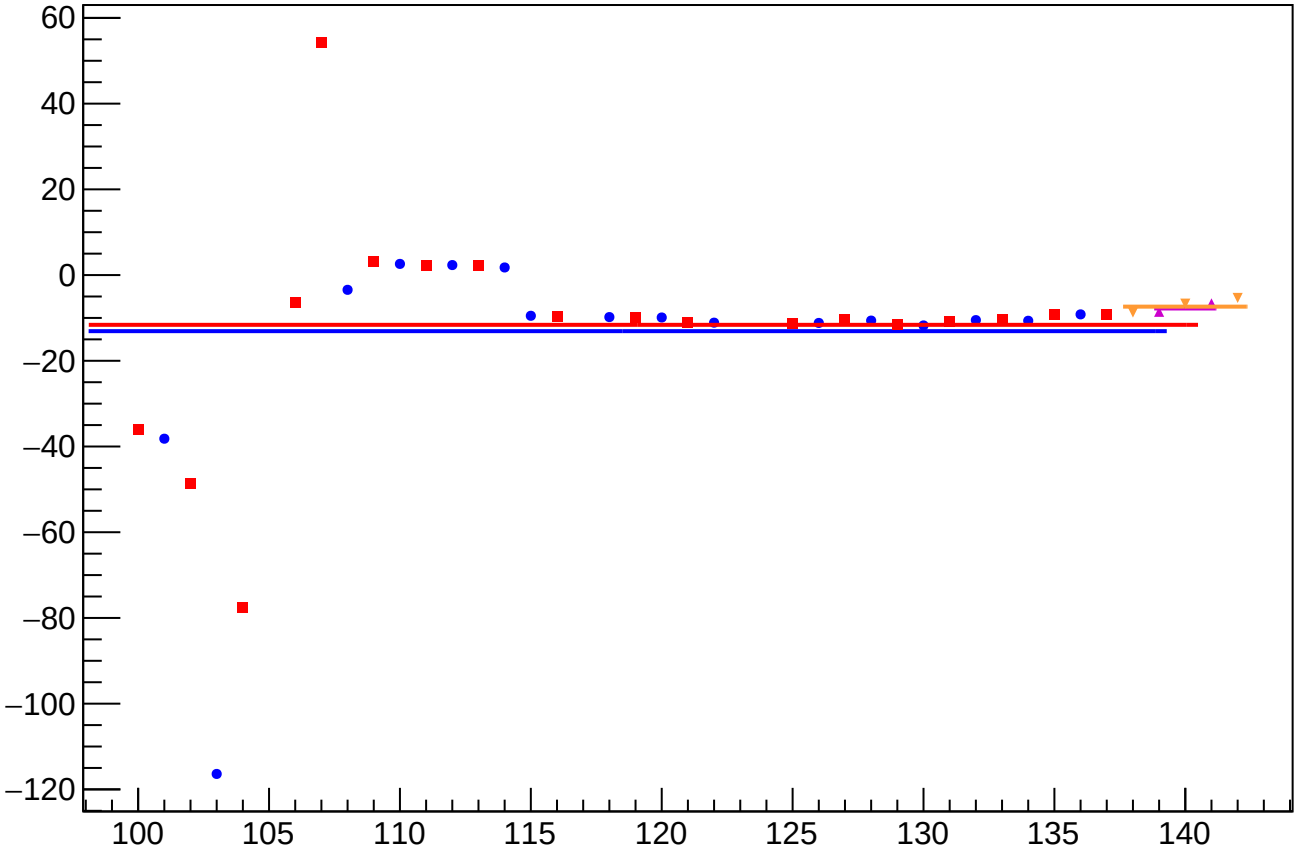
Left In: 9.796+/-0.989 χ^2/NDF:8.7/1

+ sign 17.927+/-0.394 χ^2/NDF: 383.7/18

All: 18.697+/-0.291 χ^2/NDF: 605.2/38

- sign 19.619+/-0.431 χ^2/NDF: 213.0/19

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -7.364+/-0.033 χ^2/NDF:1578.5/2

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

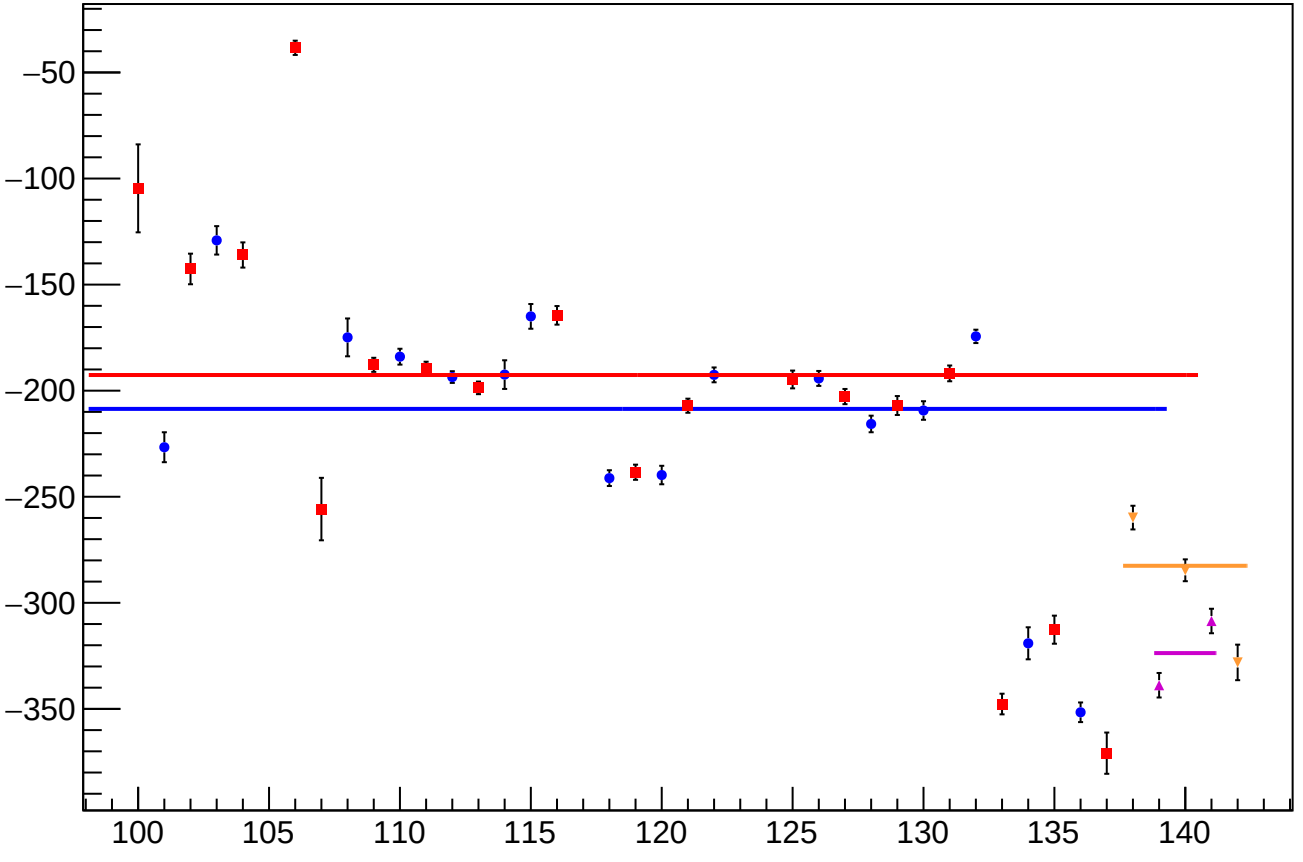
Left In: -7.799+/-0.034 χ^2/NDF:801.5/1

+ sign -10.636+/-0.021 χ^2/NDF: 363890.3/18

All: -10.282+/-0.016 χ^2/NDF: 686349.7/38

- sign -9.883+/-0.023 χ^2/NDF: 321882.8/19

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -282.542+/-3.449 χ^2/NDF:46.3/2

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

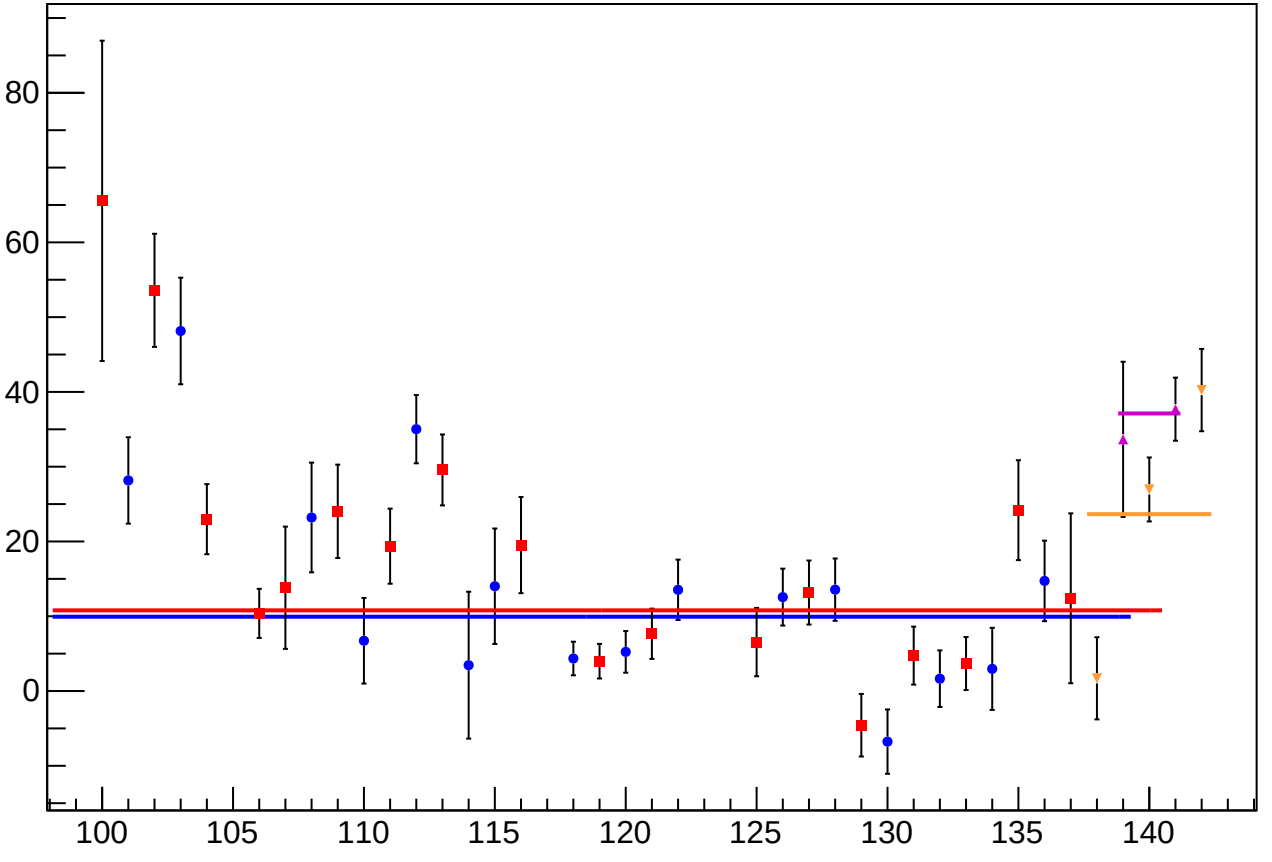
Left In: -323.694+/-4.084 χ^2/NDF:13.7/1

+ sign -215.039+/-1.019 χ^2/NDF: 2217.0/18

All: -207.160+/-0.703 χ^2/NDF: 7523.8/38

- sign -200.015+/-0.970 χ^2/NDF: 5192.7/19

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 23.657+/-2.877 χ^2/NDF:25.7/2

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

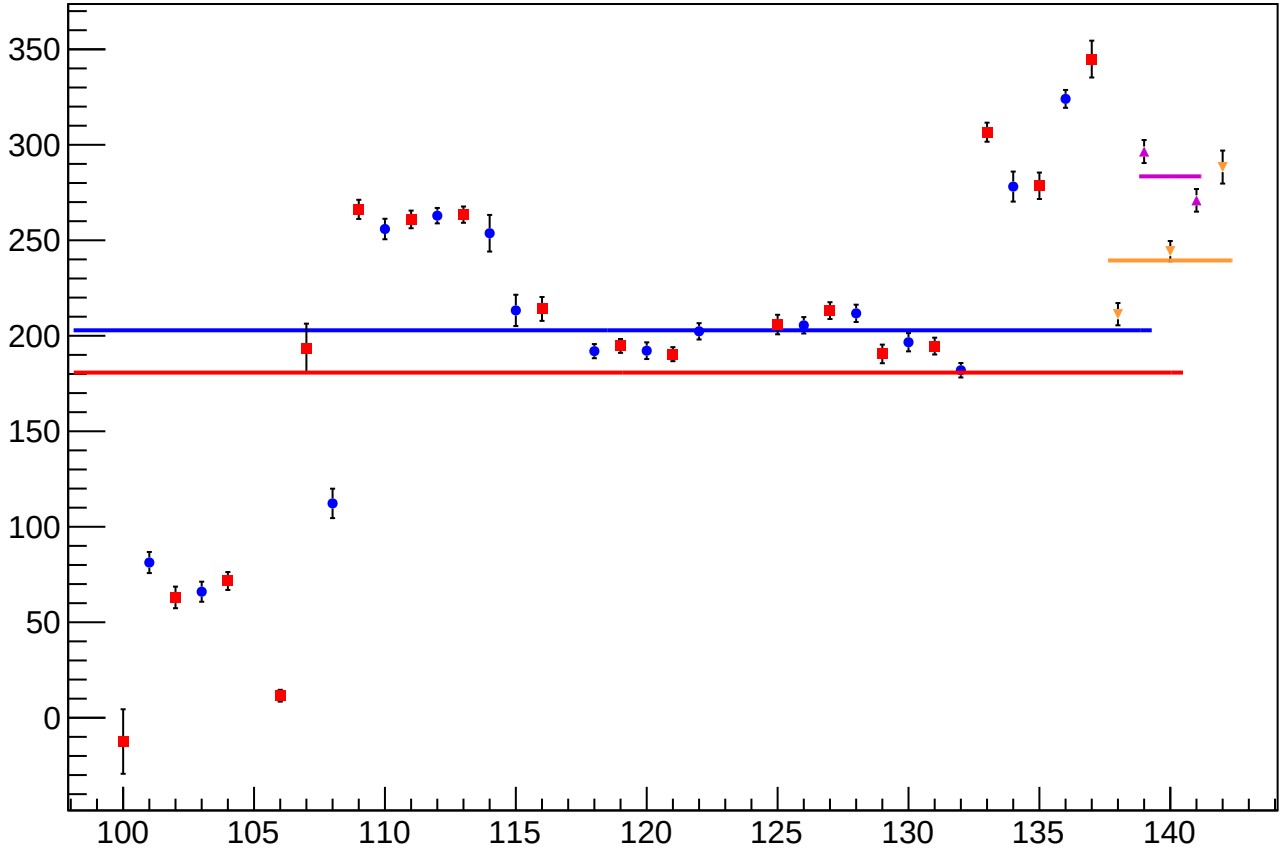
Left In: 37.120+/-3.907 χ^2/NDF:0.1/1

+ sign 11.592+/-0.999 χ^2/NDF: 152.2/18

All: 12.063+/-0.710 χ^2/NDF: 300.3/38

- sign 12.542+/-1.008 χ^2/NDF: 147.6/19

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 239.444+/-3.568 χ^2/NDF:56.2/2

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

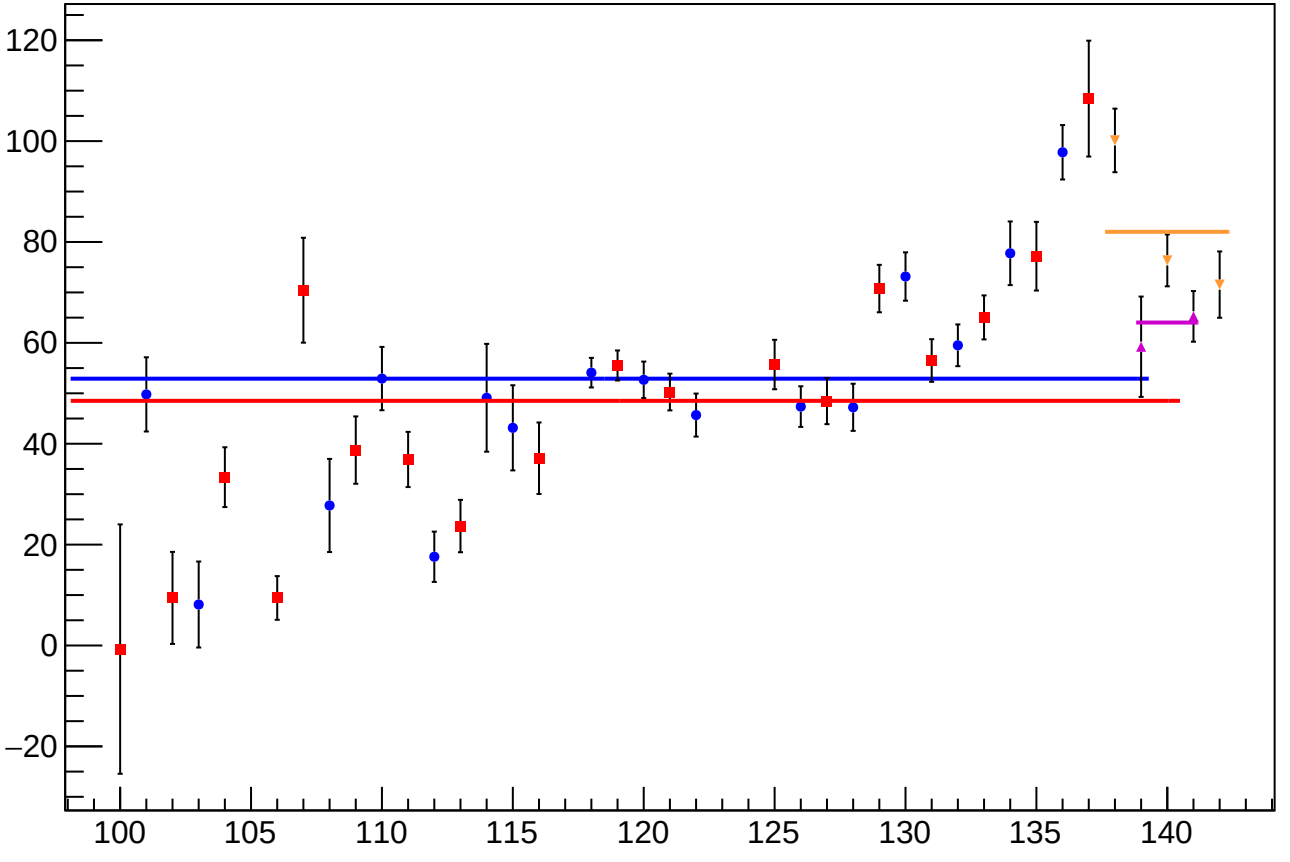
Left In: 283.473+/-4.224 χ^2/NDF:9.1/1

+ sign 206.733+/-1.159 χ^2/NDF: 2614.4/18

All: 196.777+/-0.799 χ^2/NDF: 9663.4/38

- sign 187.748+/-1.104 χ^2/NDF: 6908.3/19

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 82.016+/-3.408 χ^2/NDF:12.0/2

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

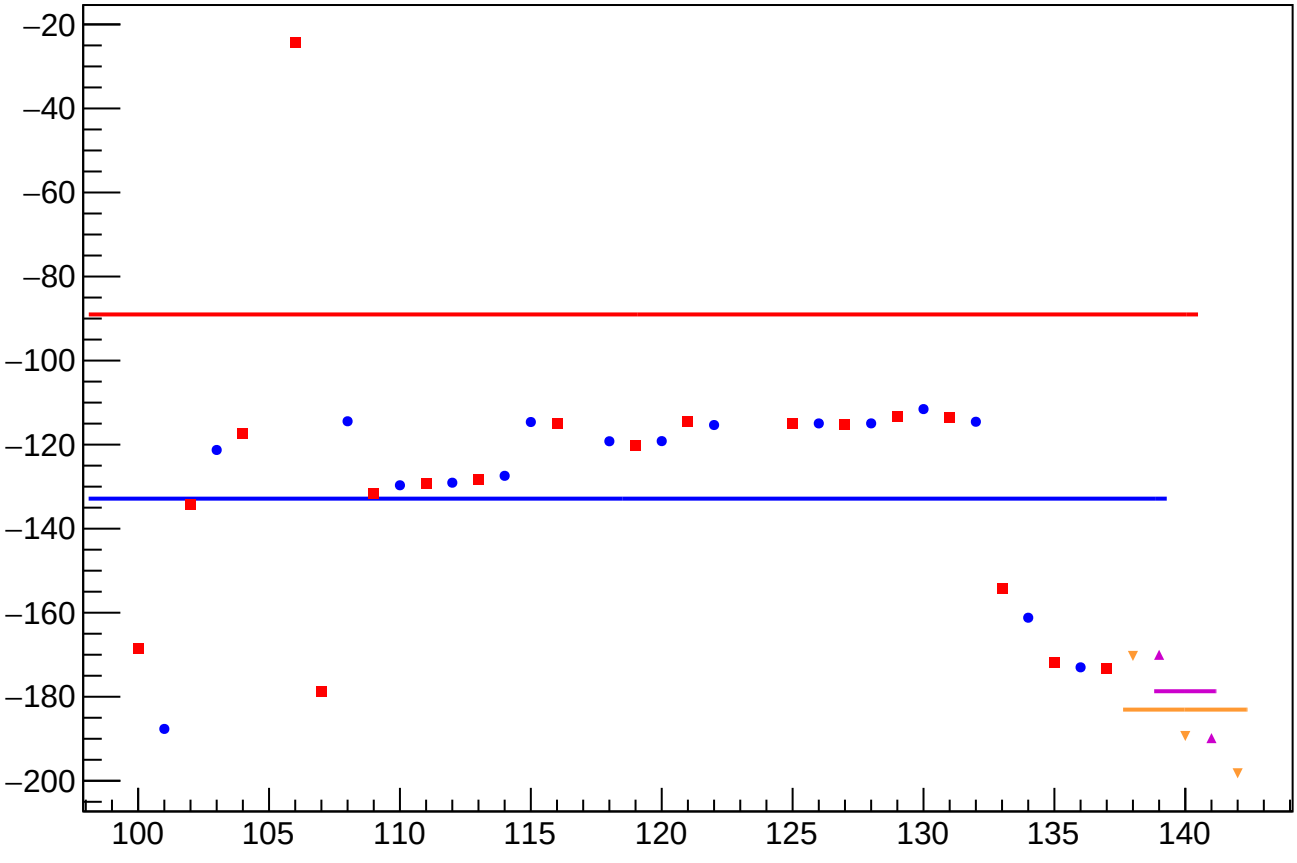
Left In: 64.028+/-4.482 χ^2/NDF:0.3/1

+ sign 56.311+/-1.167 χ^2/NDF: 274.8/18

All: 52.957+/-0.827 χ^2/NDF: 542.8/38

- sign 49.571+/-1.172 χ^2/NDF: 251.5/19

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -183.061+/-0.151 χ^2/NDF:5511.4/2

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

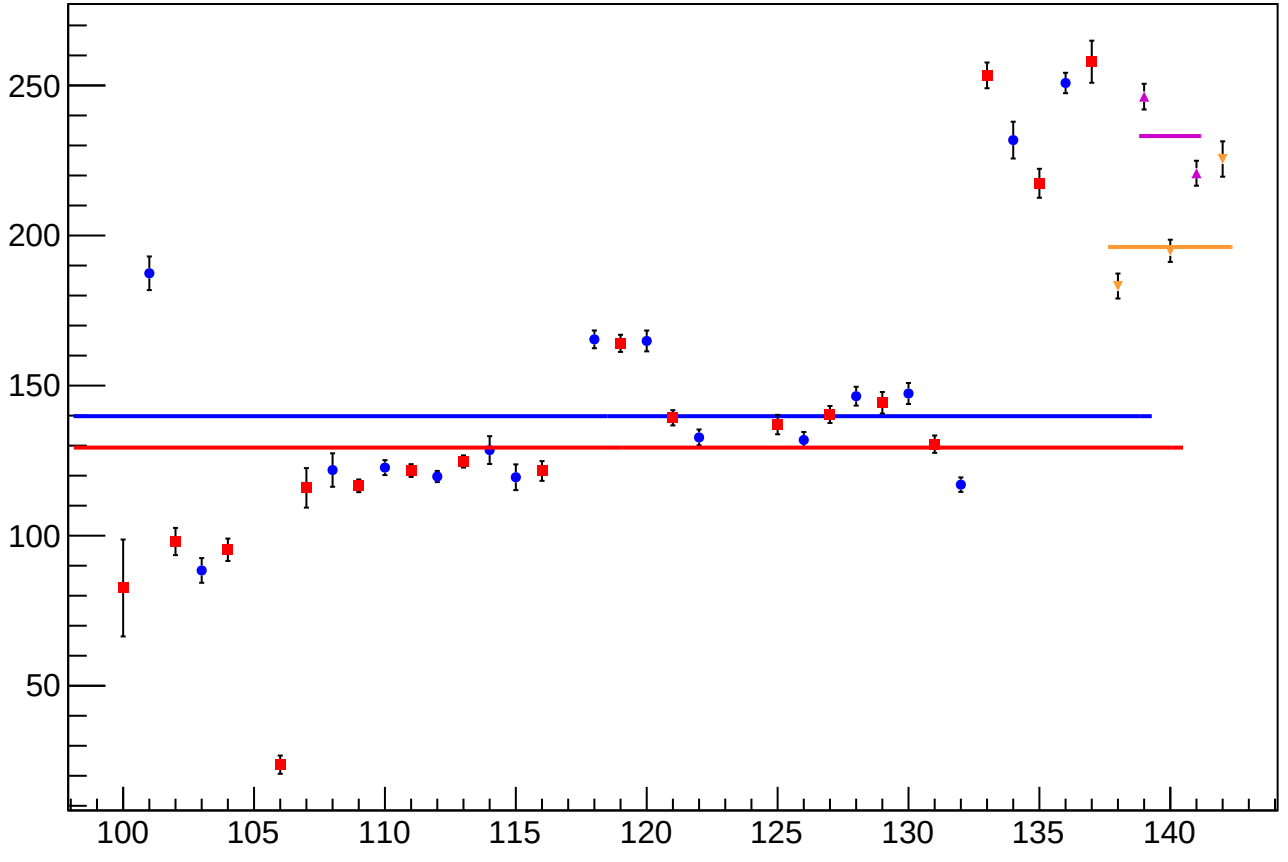
Left In: -178.688+/-0.161 χ^2/NDF:3741.9/1

+ sign -144.200+/-0.072 χ^2/NDF: 185065.5/18

All: -118.889+/-0.046 χ^2/NDF: 1396974.9/38

- sign -101.340+/-0.060 χ^2/NDF: 1000143.2/19

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 196.175+/-2.504 χ^2/NDF:34.6/2

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

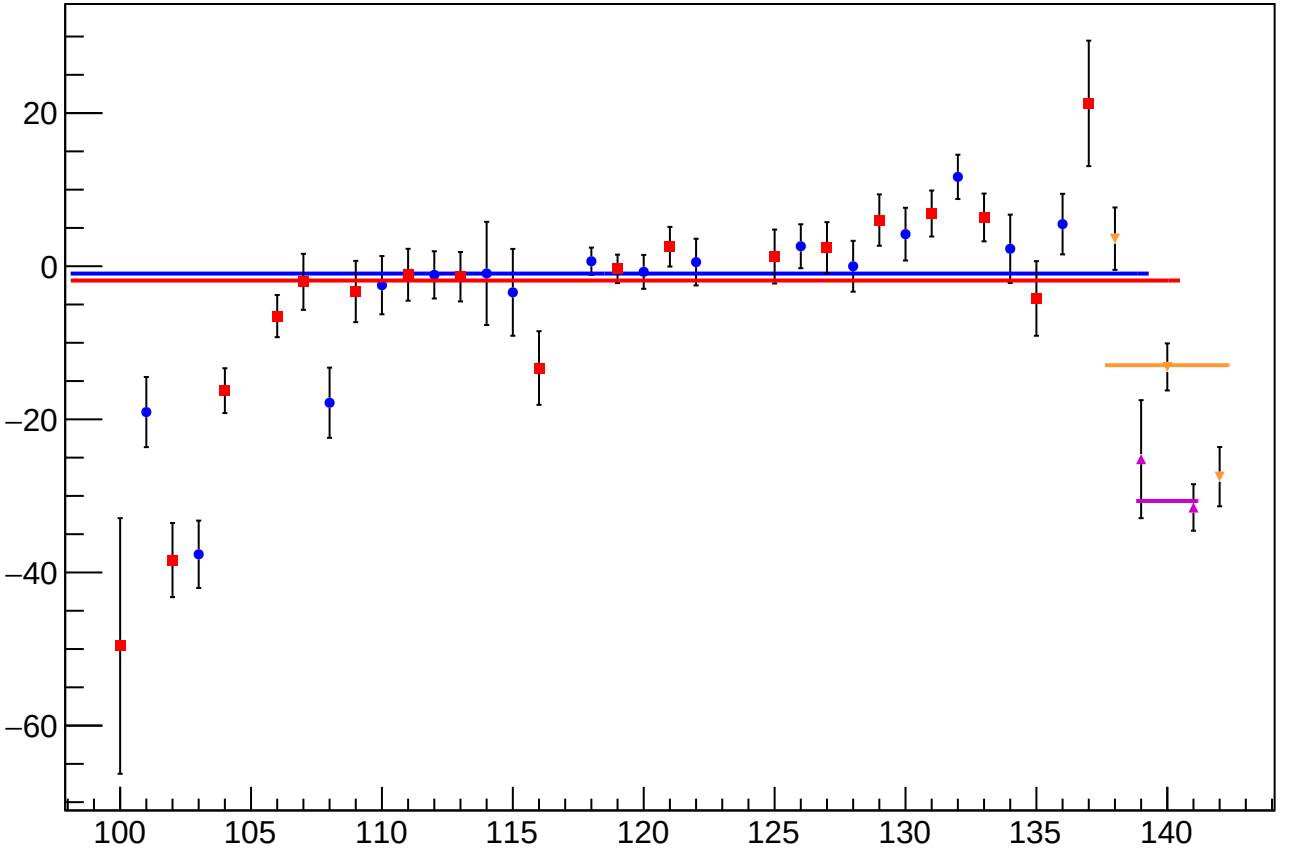
Left In: 233.141+/-2.983 χ^2/NDF:18.3/1

+ sign 144.850+/-0.749 χ^2/NDF: 2461.1/18

All: 139.829+/-0.516 χ^2/NDF: 6830.5/38

- sign 135.275+/-0.713 χ^2/NDF: 4283.6/19

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -12.928+/-2.073 χ^2/NDF:30.6/2

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

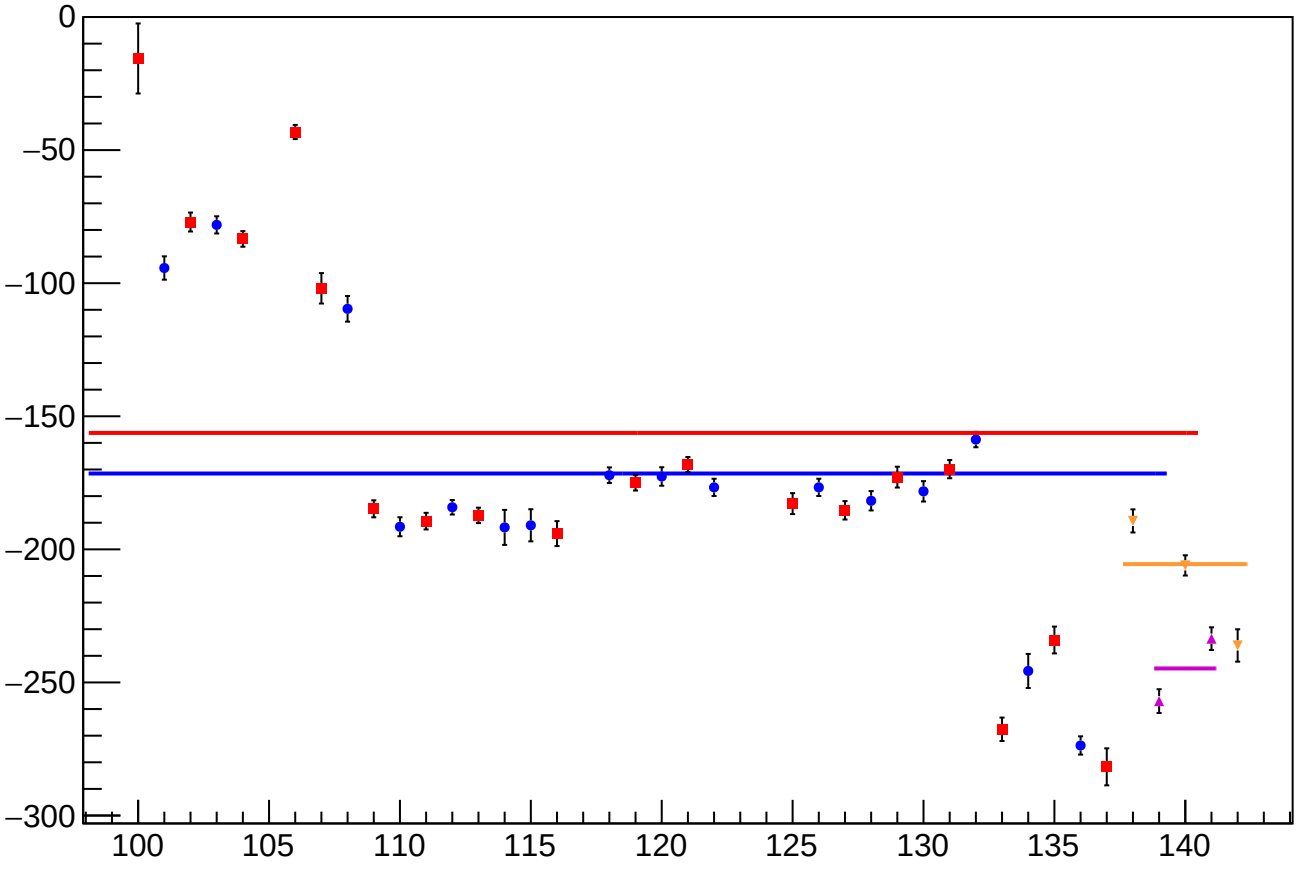
Left In: -30.663+/-2.826 χ^2/NDF:0.6/1

\+ sign -2.542+/-0.753 χ^2/NDF: 185.6/18

All: -3.231+/-0.533 χ^2/NDF: 417.4/38

\- sign -3.924+/-0.755 χ^2/NDF: 230.1/19

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -205.540+/-2.589 χ^2/NDF:39.3/2

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

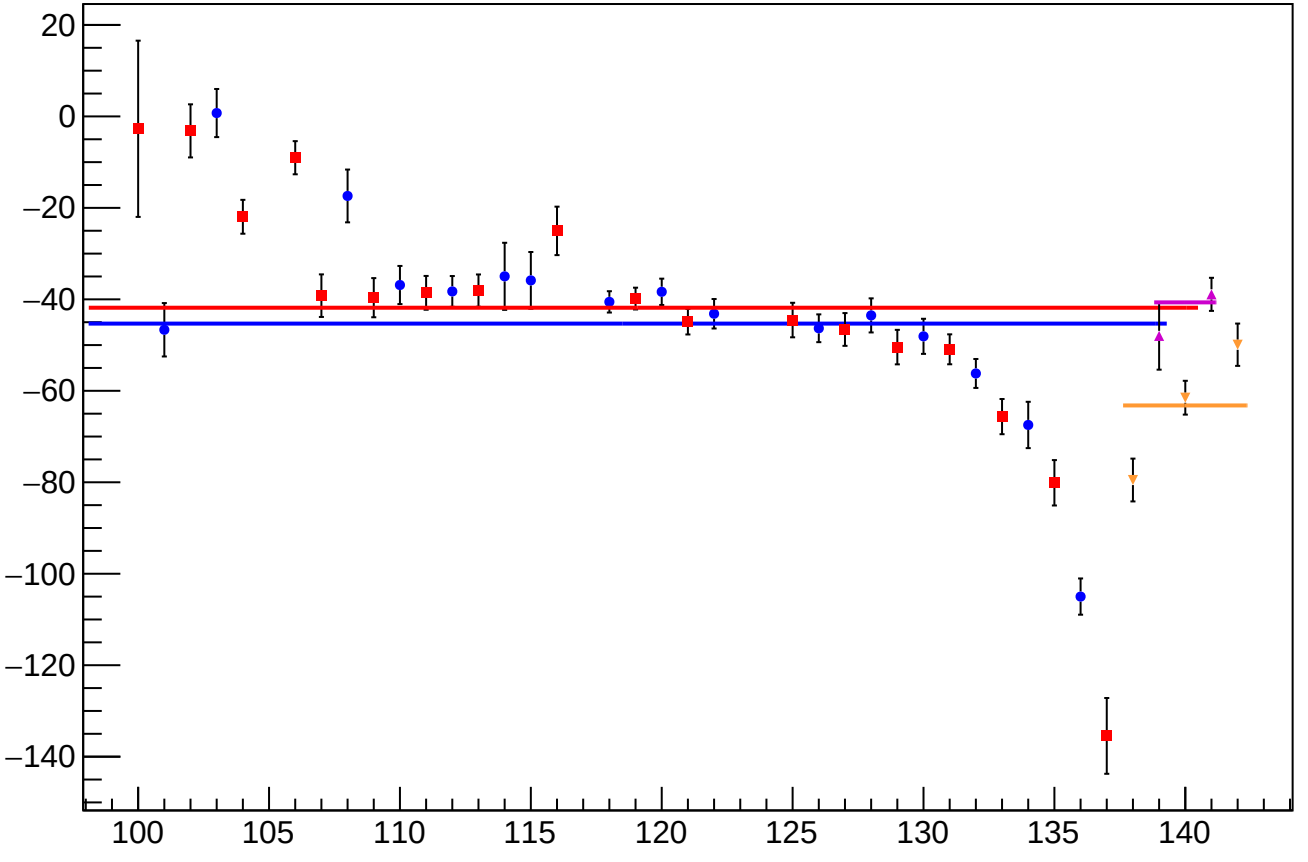
Left In: -244.748+/-3.083 χ^2/NDF:14.4/1

+ sign -175.225+/-0.856 χ^2/NDF: 2636.0/18

All: -168.554+/-0.591 χ^2/NDF: 8436.7/38

- sign -162.473+/-0.817 χ^2/NDF: 5684.6/19

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -63.200+/-2.458 χ^2/NDF:20.6/2

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

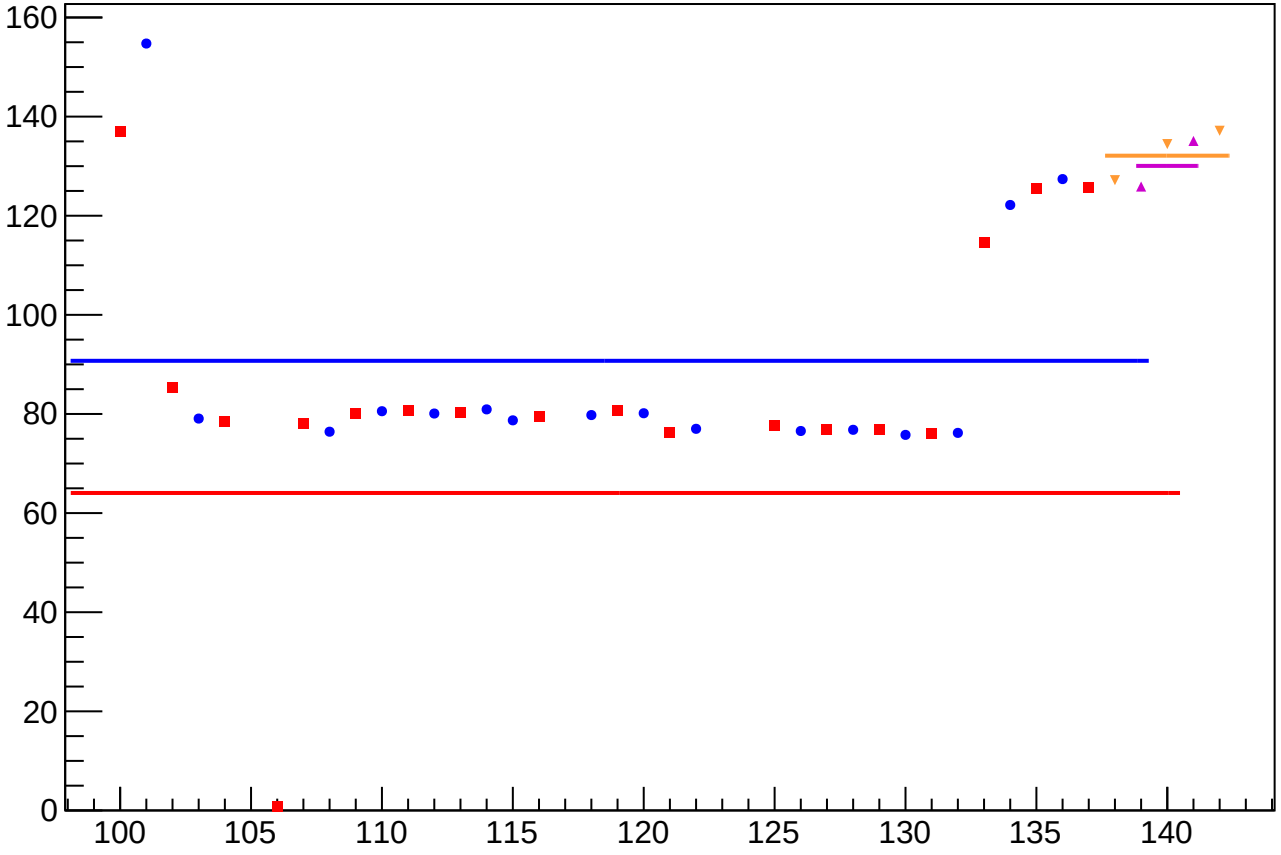
Left In: -40.664+/-3.248 χ^2/NDF:1.2/1

+ sign -47.578+/-0.876 χ^2/NDF: 448.9/18

All: -44.661+/-0.619 χ^2/NDF: 886.7/38

- sign -41.747+/-0.876 χ^2/NDF: 415.6/19

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 132.115+/-0.109 χ^2/NDF:1395.6/2

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

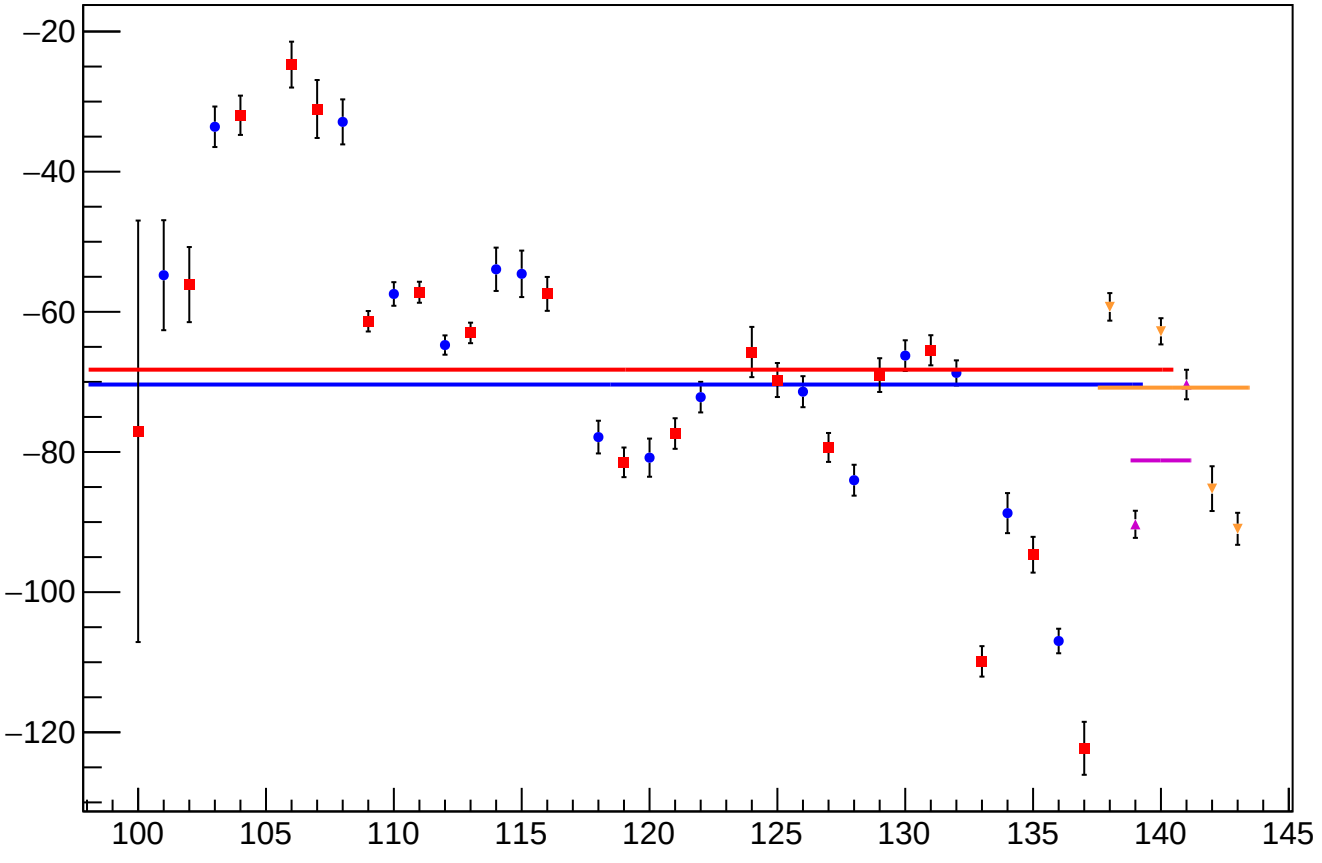
Left In: 130.055+/-0.118 χ^2/NDF:1512.6/1

+ sign 99.921+/-0.052 χ^2/NDF: 273817.3/18

All: 85.279+/-0.034 χ^2/NDF: 1346700.0/38

- sign 73.899+/-0.045 χ^2/NDF: 929669.0/19

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -70.816+/-1.095 χ^2/NDF:151.0/3

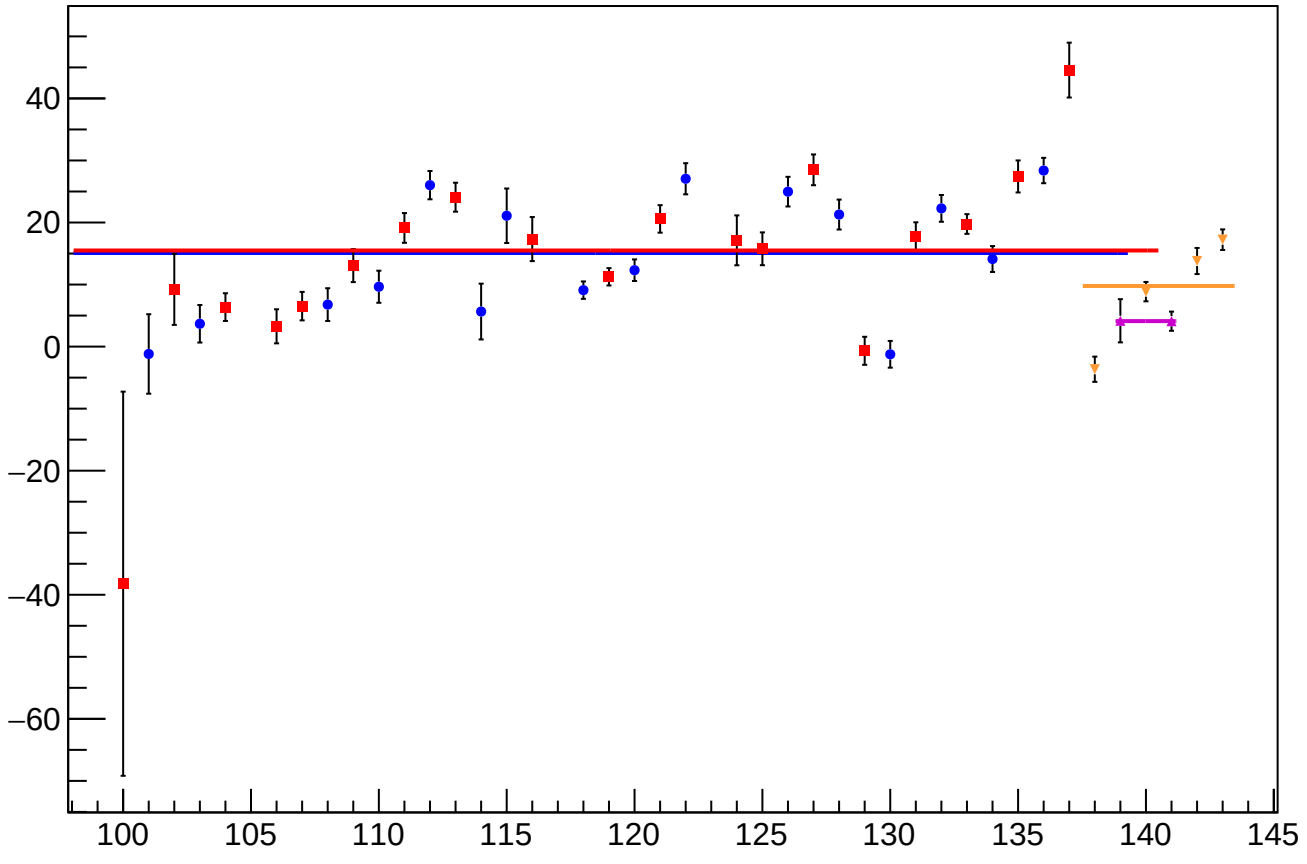
Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -81.202+/-1.425 χ^2/NDF:48.6/1

+ sign -70.466+/-0.497 χ^2/NDF: 1126.0/19

All: -70.134+/-0.350 χ^2/NDF: 2554.0/40

- sign -69.807+/-0.494 χ^2/NDF: 1427.2/20



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 9.773+/-0.898 χ^2/NDF:67.8/3

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

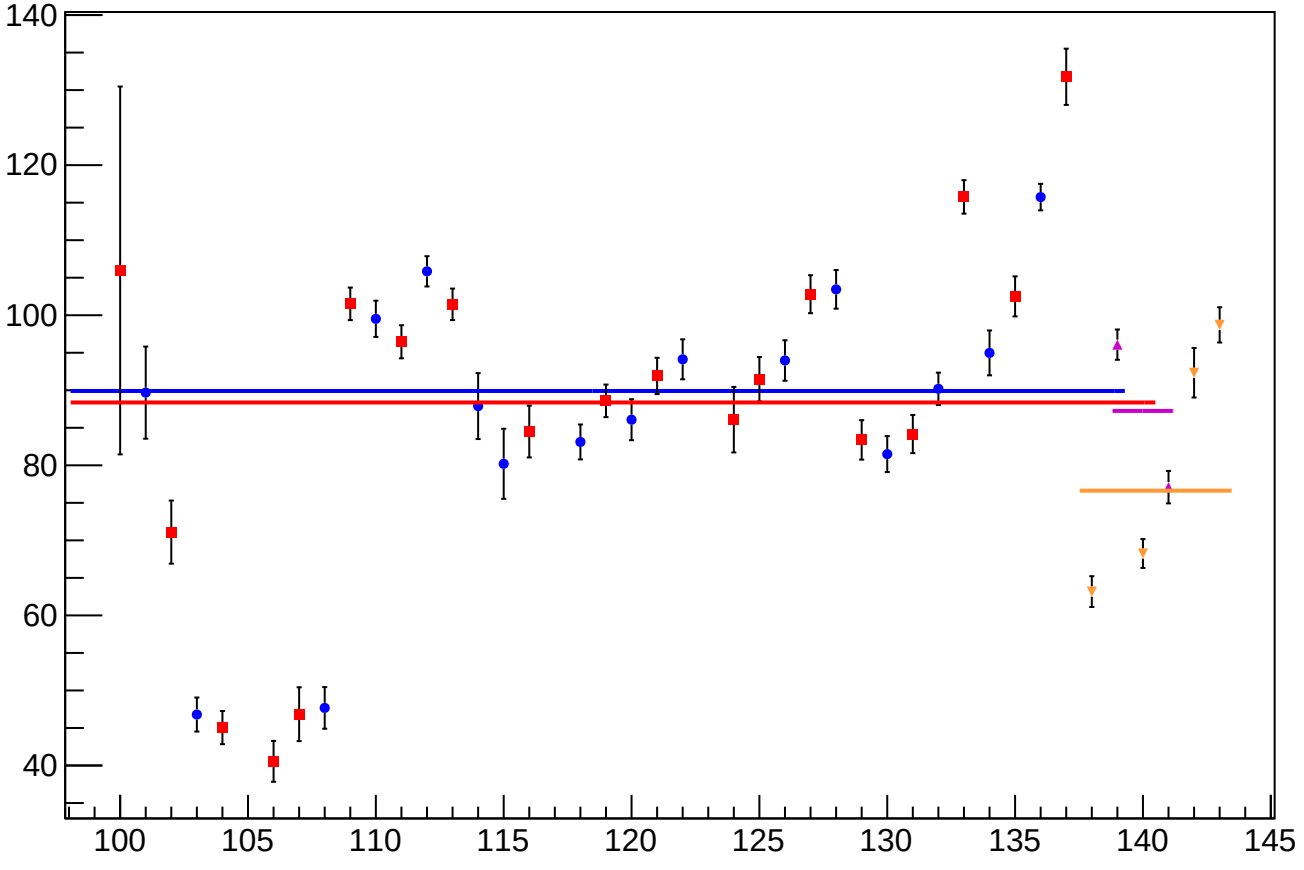
Left In: 4.107+/-1.414 χ^2/NDF:0.0/1

+ sign 13.522+/-0.488 χ^2/NDF: 334.9/19

All: 13.726+/-0.355 χ^2/NDF: 630.7/40

- sign 13.957+/-0.519 χ^2/NDF: 295.3/20

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 76.622+/-1.132 χ^2/NDF:173.1/3

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

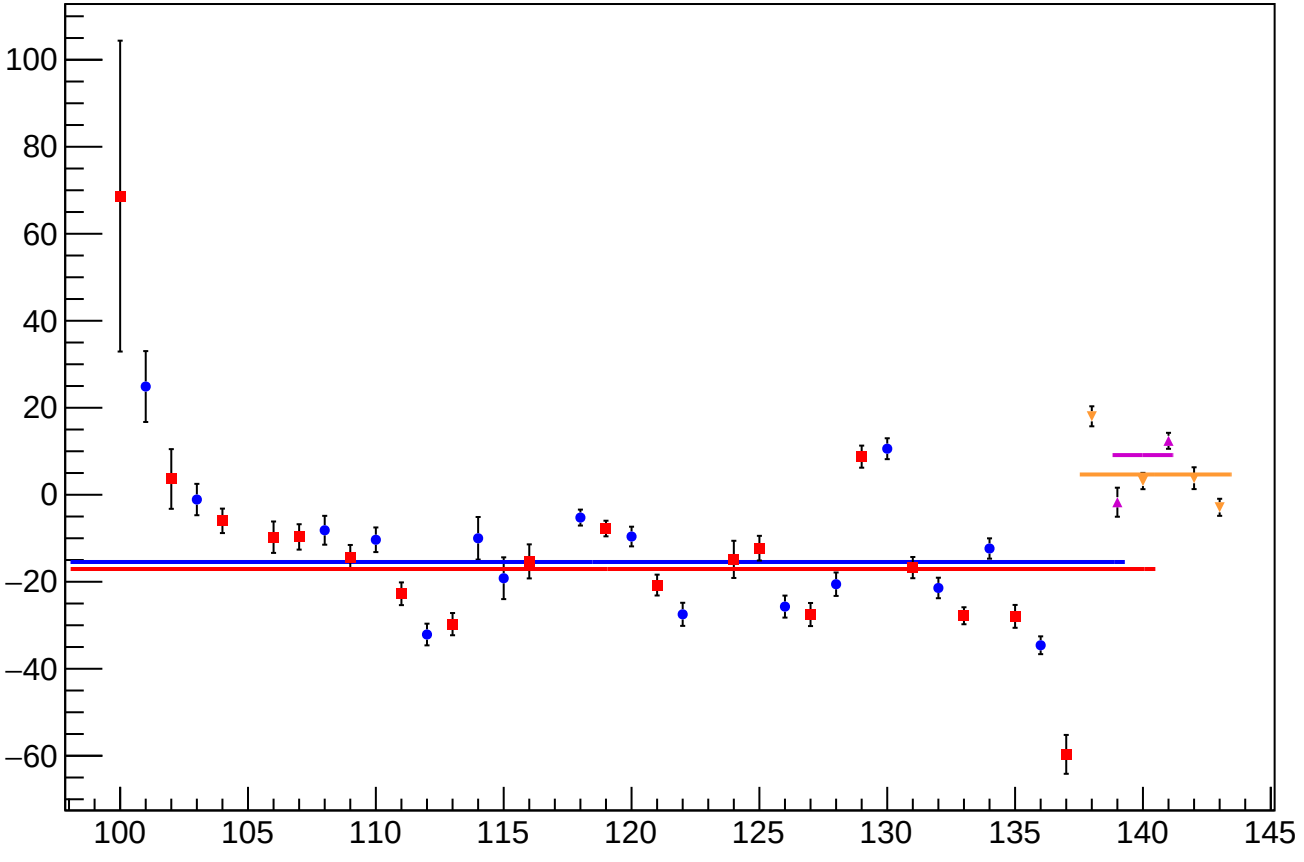
Left In: 87.249+/-1.475 χ^2/NDF:41.2/1

+ sign 86.683+/-0.558 χ^2/NDF: 1225.2/19

All: 87.429+/-0.398 χ^2/NDF: 2559.4/40

- sign 88.207+/-0.570 χ^2/NDF: 1330.6/20

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 4.663+/-1.058 χ^2/NDF:49.4/3

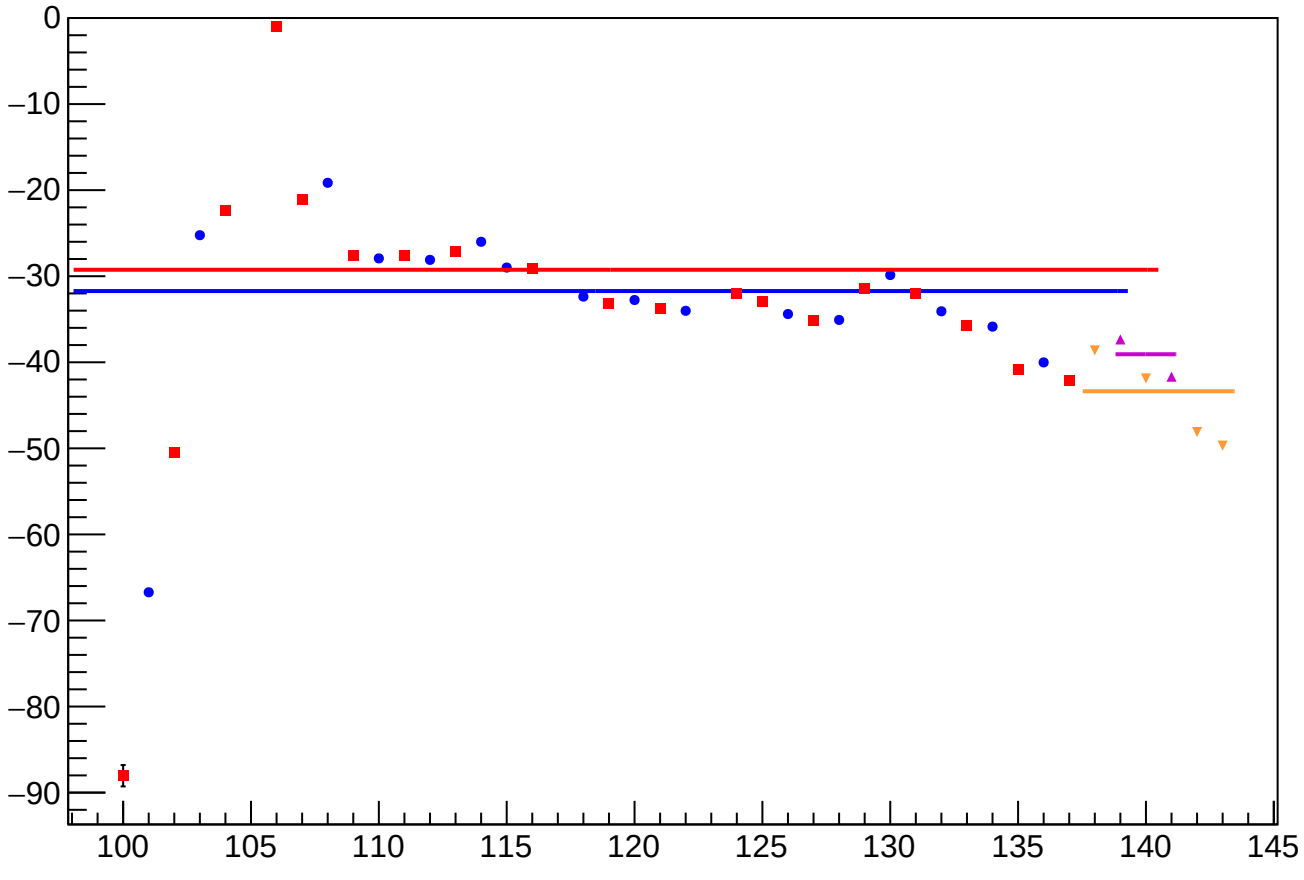
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 9.122+/-1.609 χ^2/NDF:13.7/1

\+ sign -9.752+/-0.563 χ^2/NDF: 694.9/19

All: -11.494+/-0.410 χ^2/NDF: 1318.3/40

\- sign -13.455+/-0.598 χ^2/NDF: 603.0/20



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -43.366+/-0.047 χ^2/NDF:9143.3/3

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

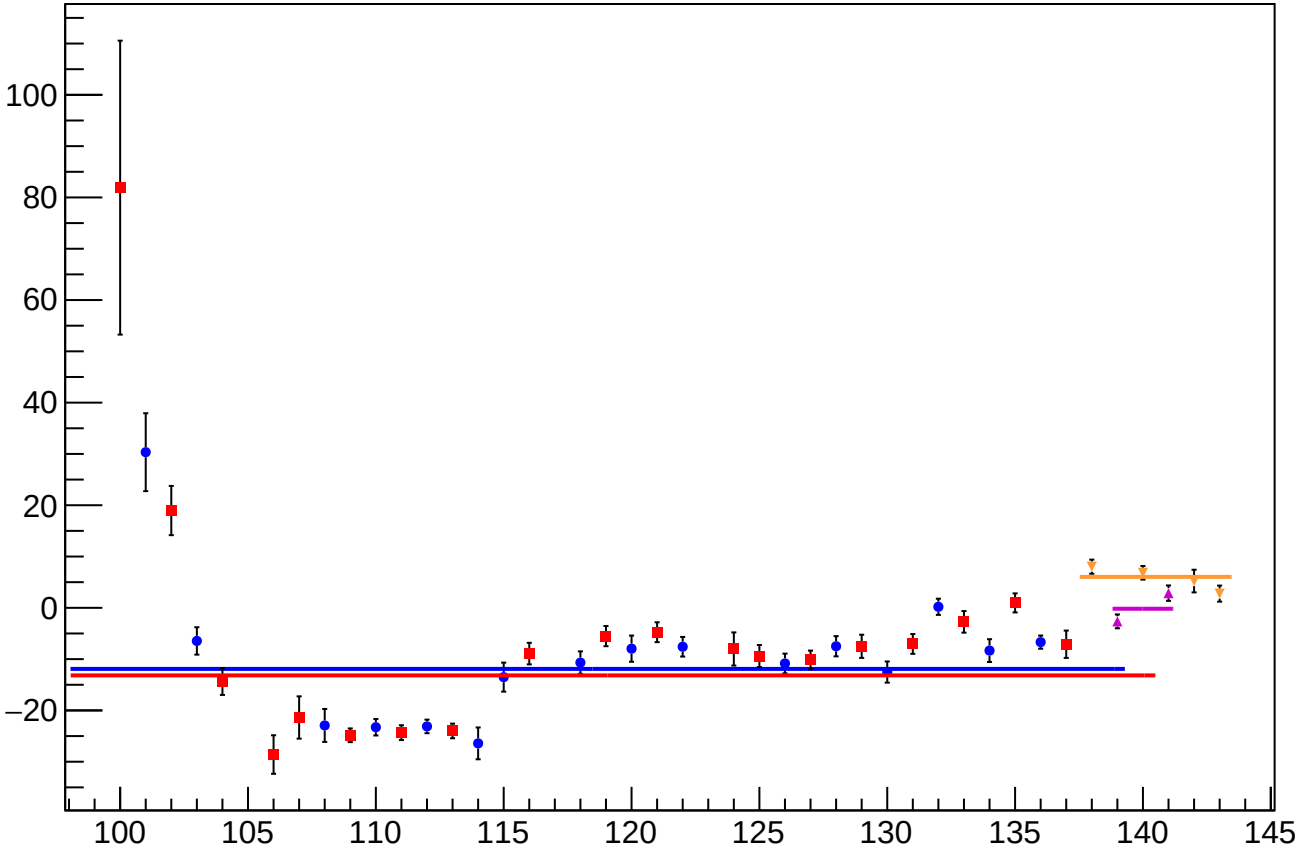
Left In: -39.067+/-0.056 χ^2/NDF:1447.0/1

+ sign -36.372+/-0.030 χ^2/NDF: 85251.7/19

All: -34.507+/-0.022 χ^2/NDF: 211247.4/40

- sign -32.412+/-0.032 χ^2/NDF: 117705.1/20

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 6.034+/-0.765 χ^2/NDF:6.9/3

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

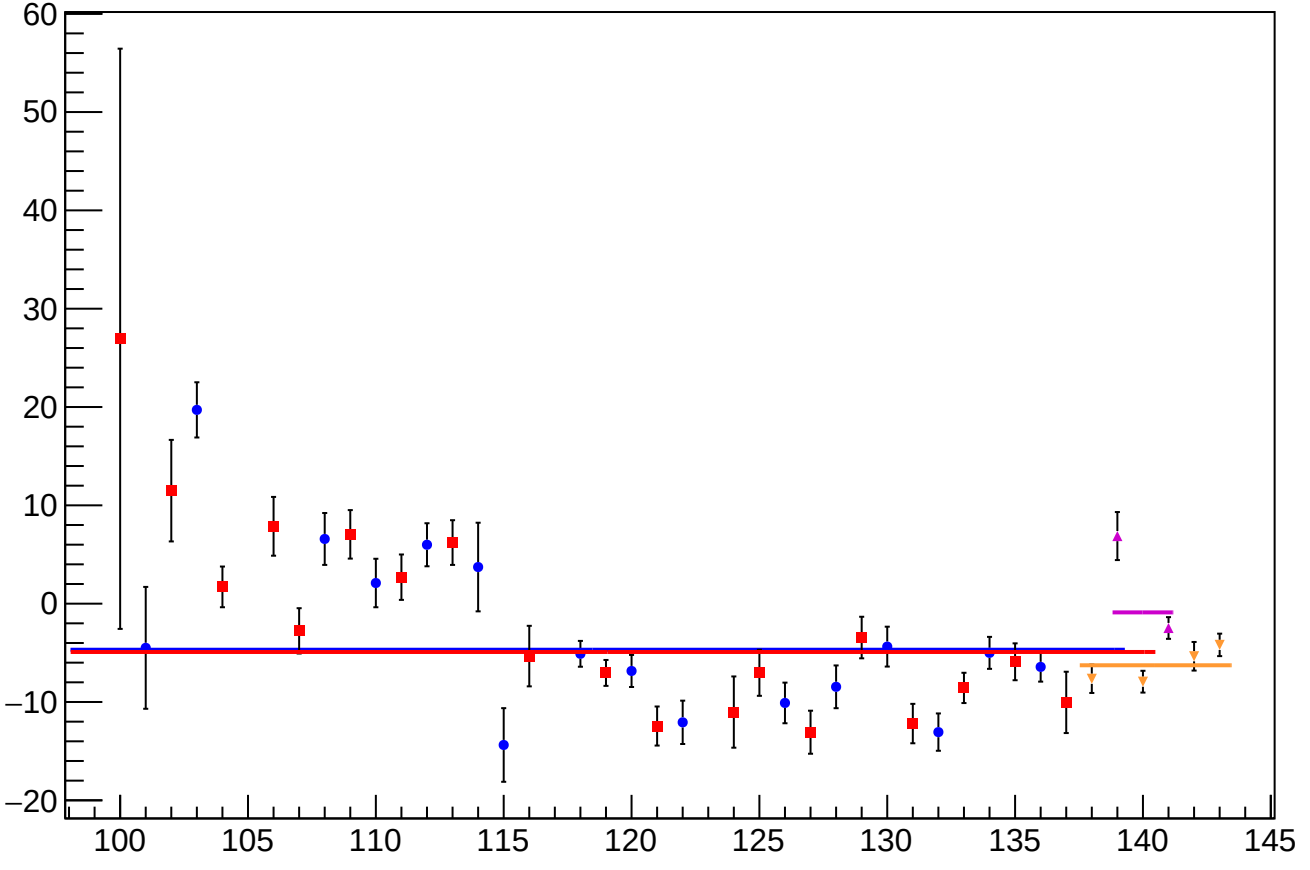
Left In: -0.180+/-1.005 χ^2/NDF:7.4/1

+ sign -6.588+/-0.417 χ^2/NDF: 675.6/19

All: -8.590+/-0.300 χ^2/NDF: 1288.7/40

- sign -10.755+/-0.433 χ^2/NDF: 565.0/20

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -6.266+/-0.628 χ^2/NDF:6.9/3

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

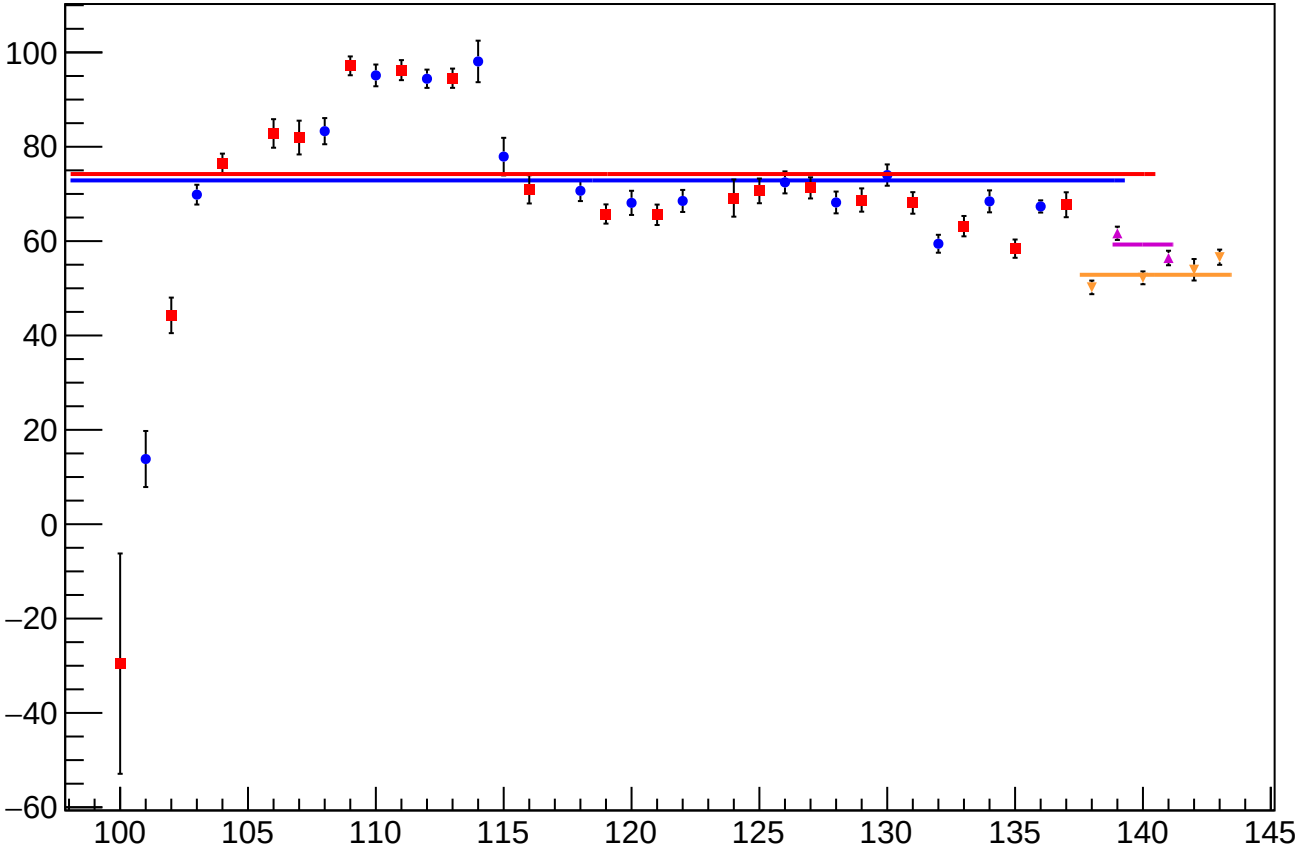
Left In: -0.888+/-1.006 χ^2/NDF:12.2/1

+ sign -5.324+/-0.399 χ^2/NDF: 189.7/19

All: -4.787+/-0.301 χ^2/NDF: 374.6/40

- sign -4.083+/-0.457 χ^2/NDF: 180.7/20

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 52.866+/-0.791 χ^2/NDF:9.2/3

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

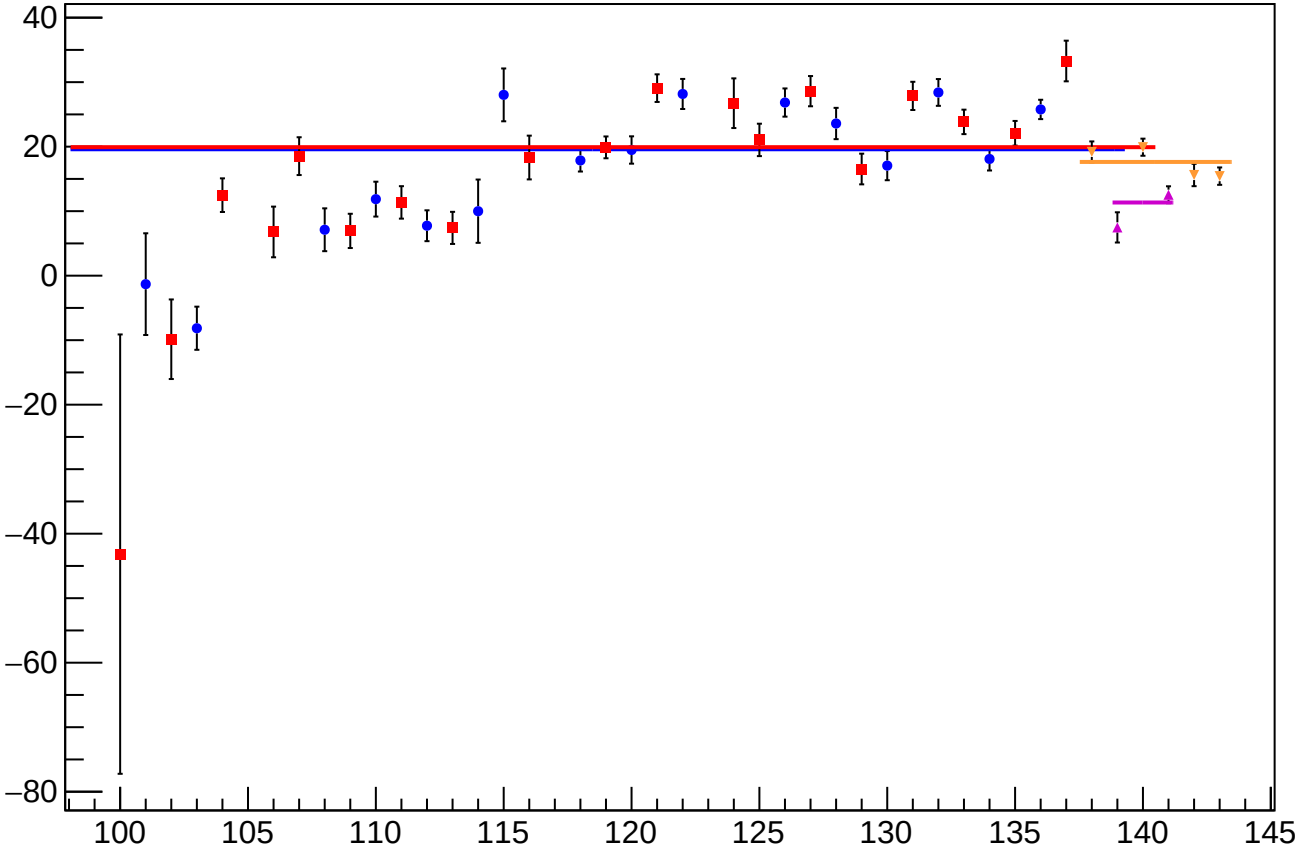
Left In: 59.277+/-1.040 χ^2/NDF:6.3/1

+ sign 66.103+/-0.460 χ^2/NDF: 883.1/19

All: 68.298+/-0.337 χ^2/NDF: 1684.5/40

- sign 70.836+/-0.495 χ^2/NDF: 752.3/20

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.632+/-0.739 χ^2/NDF:7.9/3

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

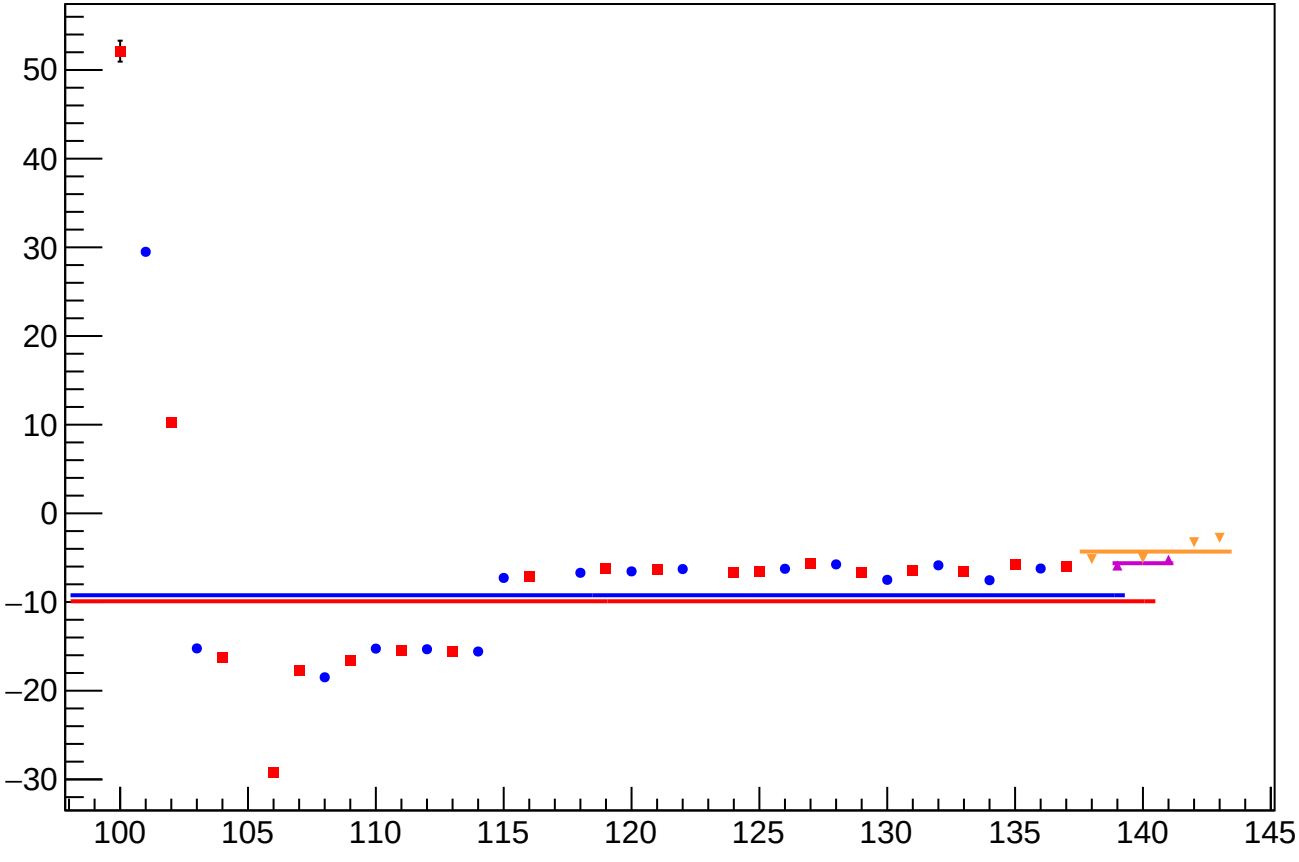
Left In: 11.342+/-1.143 χ^2/NDF:3.6/1

+ sign 18.840+/-0.459 χ^2/NDF: 208.2/19

All: 18.533+/-0.344 χ^2/NDF: 438.8/40

- sign 18.137+/-0.521 χ^2/NDF: 229.5/20

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -4.309+/-0.033 χ^2/NDF:1036.7/3

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

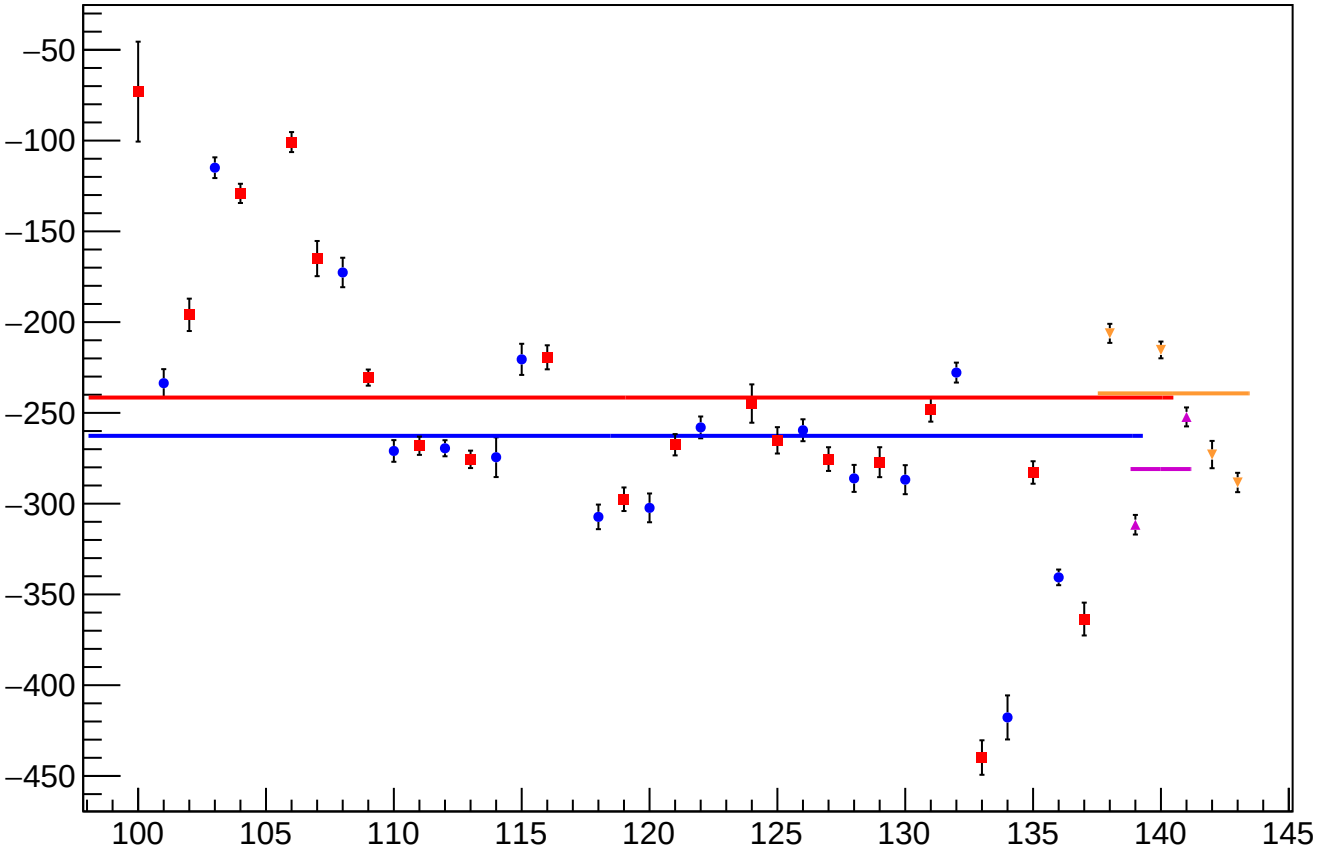
Left In: -5.622+/-0.039 χ^2/NDF:66.6/1

+ sign -6.776+/-0.023 χ^2/NDF: 43423.9/19

All: -7.344+/-0.017 χ^2/NDF: 105437.6/40

- sign -8.049+/-0.026 χ^2/NDF: 60676.3/20

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -239.257+/-2.710 χ^2/NDF:171.6/3

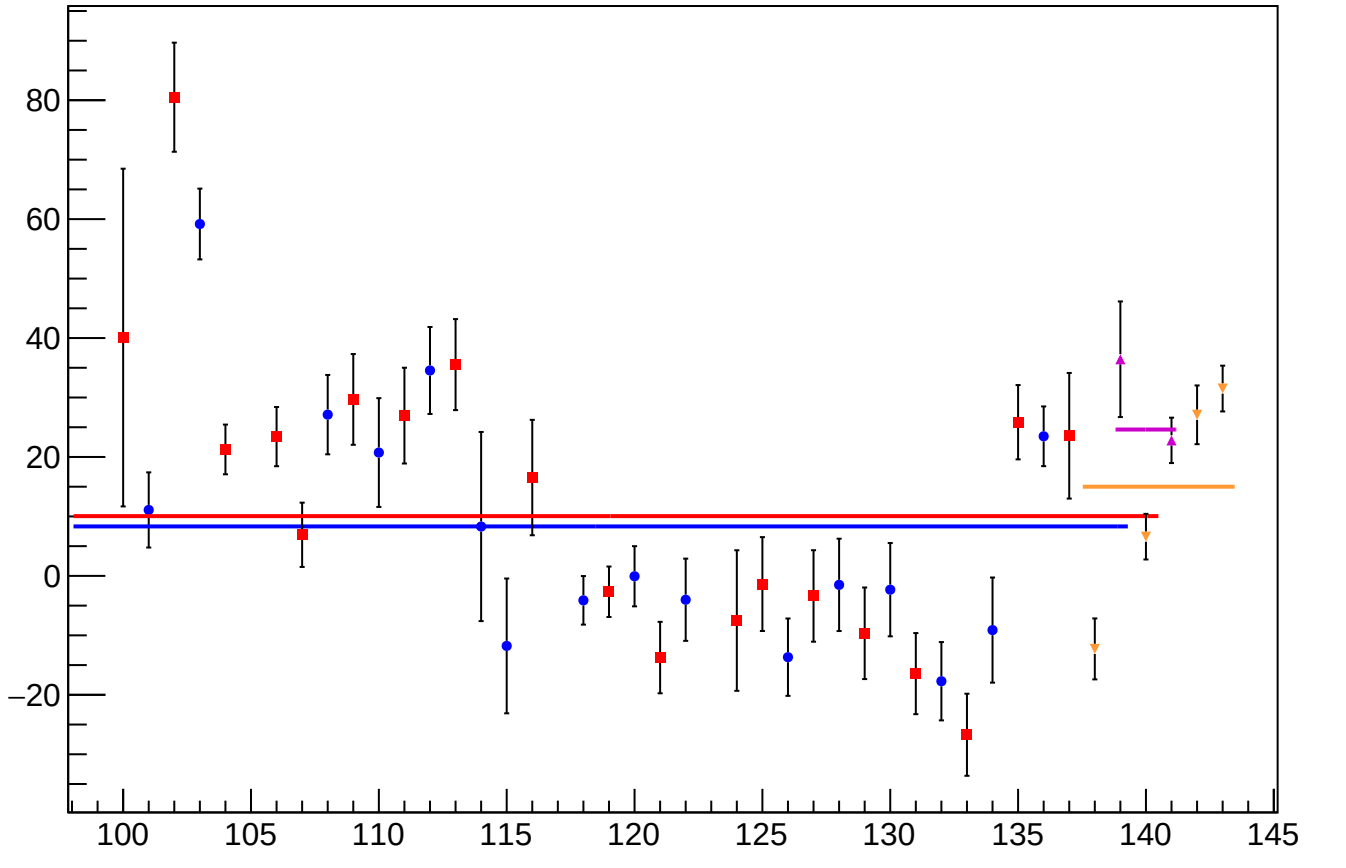
Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -280.934+/-3.755 χ^2/NDF:62.5/1

+ sign -256.520+/-1.387 χ^2/NDF: 1680.9/19

All: -251.802+/-0.984 χ^2/NDF: 4000.0/40

- sign -247.006+/-1.398 χ^2/NDF: 2295.8/20



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 15.000+/-2.159 χ^2/NDF:57.5/3

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

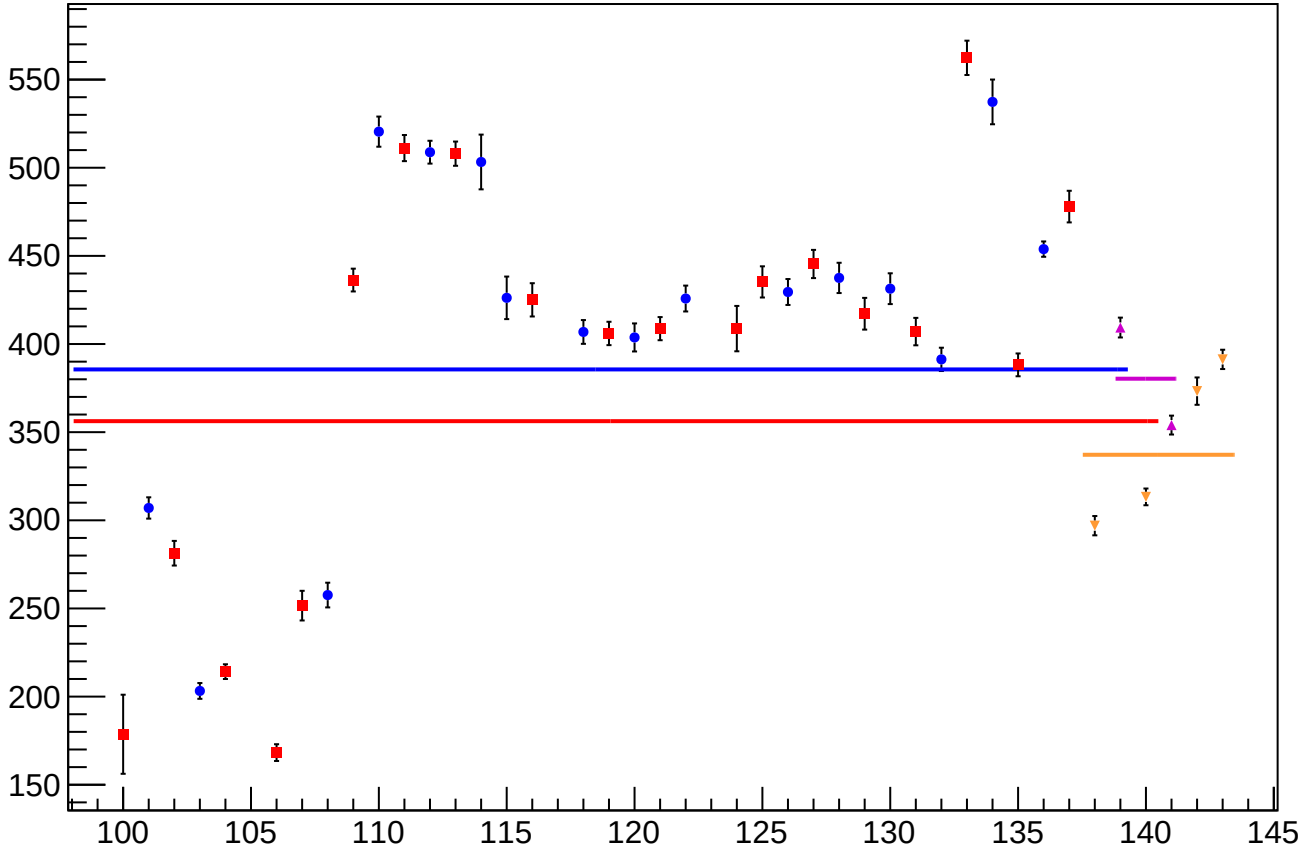
Left In: 24.614+/-3.553 χ^2/NDF:1.7/1

+ sign 10.772+/-1.308 χ^2/NDF: 221.2/19

All: 11.501+/-0.960 χ^2/NDF: 425.1/40

- sign 12.352+/-1.412 χ^2/NDF: 203.3/20

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 337.177+/-2.798 χ^2/NDF:198.6/3

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

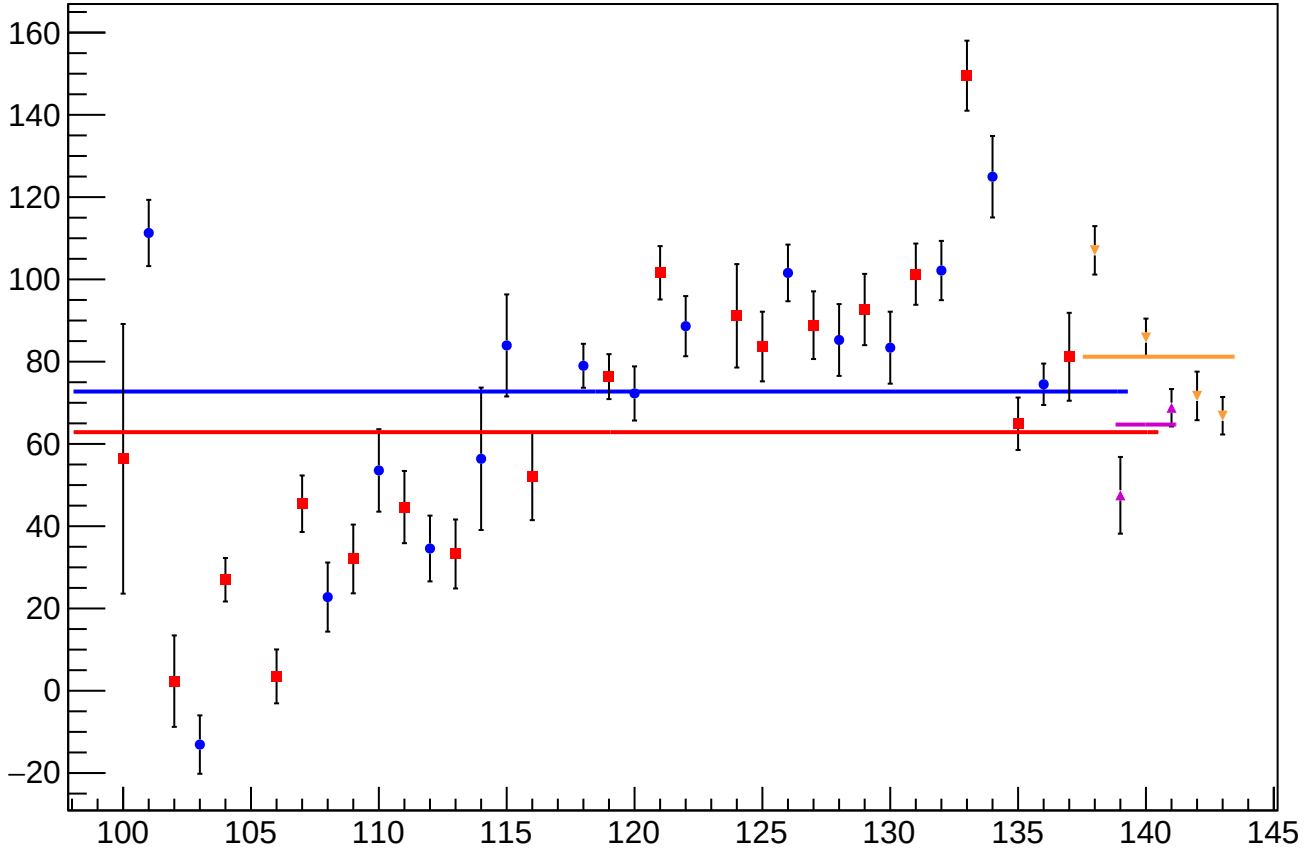
Left In: 380.327+/-3.882 χ^2/NDF:50.7/1

+ sign 372.061+/-1.479 χ^2/NDF: 3787.5/19

All: 366.139+/-1.059 χ^2/NDF: 9173.9/40

- sign 359.918+/-1.516 χ^2/NDF: 5353.5/20

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 81.206+/-2.560 χ^2/NDF:32.8/3

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

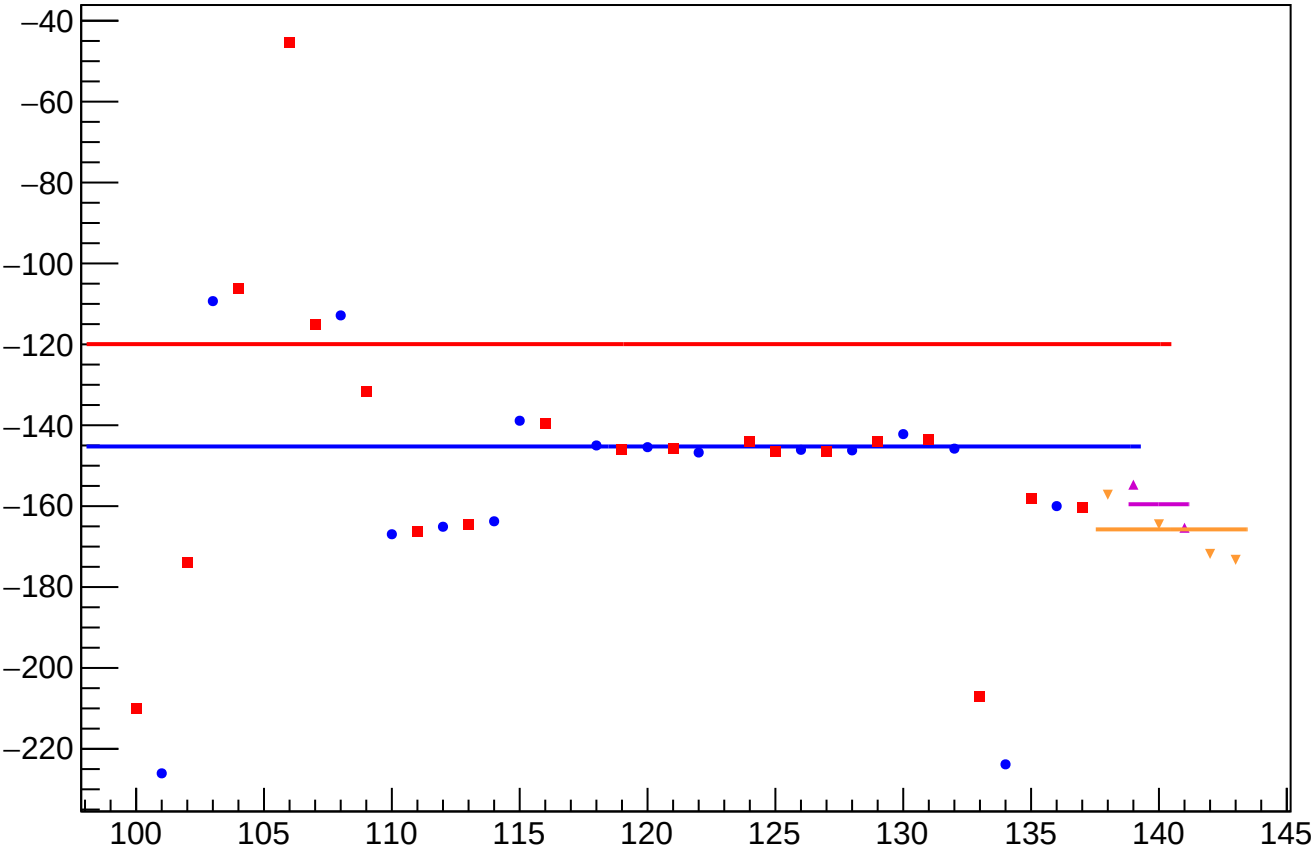
Left In: 64.712+/-4.085 χ^2/NDF:4.2/1

+ sign 75.741+/-1.524 χ^2/NDF: 344.2/19

All: 69.924+/-1.117 χ^2/NDF: 783.6/40

- sign 63.162+/-1.643 χ^2/NDF: 408.0/20

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -165.744+/-0.118 χ^2/NDF:2994.5/3

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

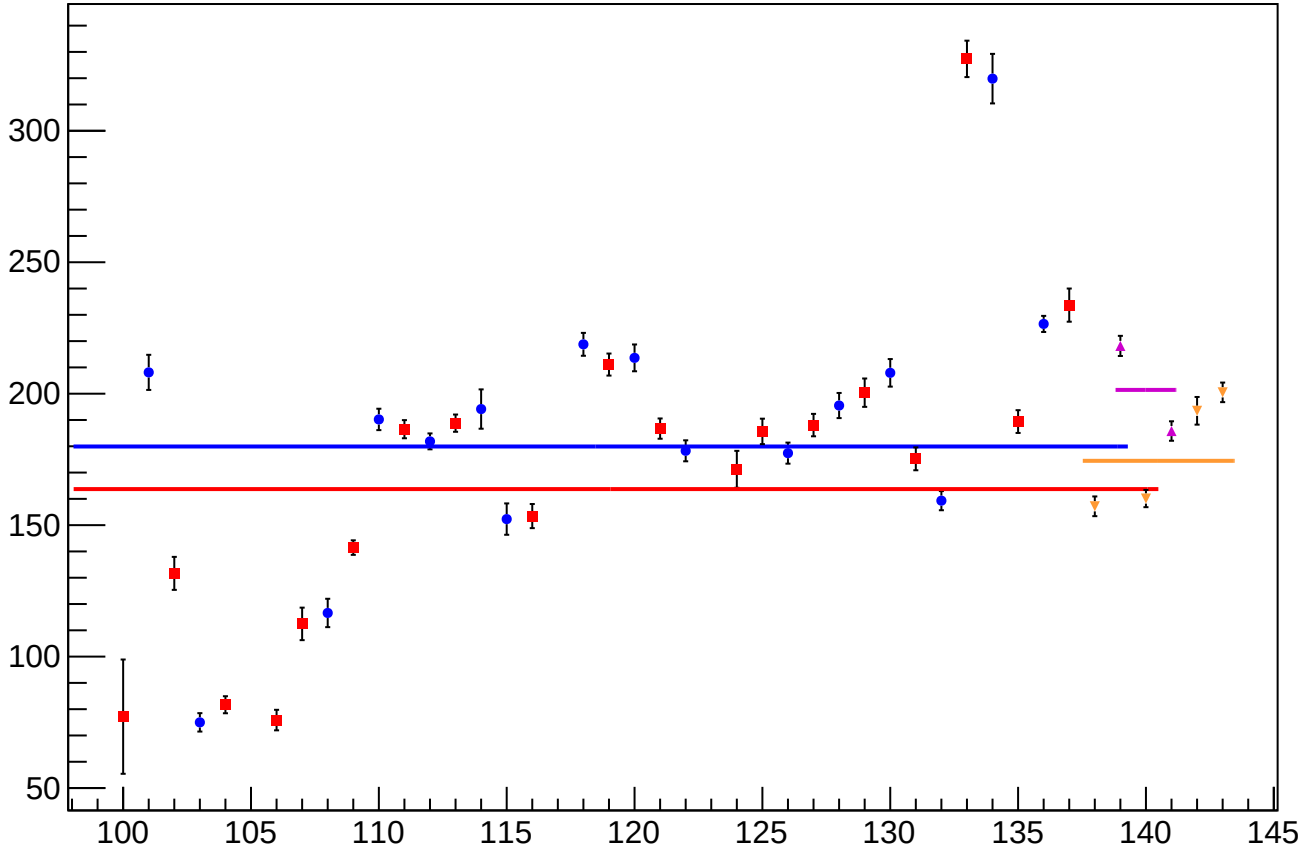
Left In: -159.528+/-0.148 χ^2/NDF:1277.3/1

+ sign -153.653+/-0.076 χ^2/NDF: 152872.7/19

All: -142.154+/-0.054 χ^2/NDF: 523701.8/40

- sign -130.416+/-0.076 χ^2/NDF: 323982.0/20

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 174.468+/-1.916 χ^2/NDF:102.5/3

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

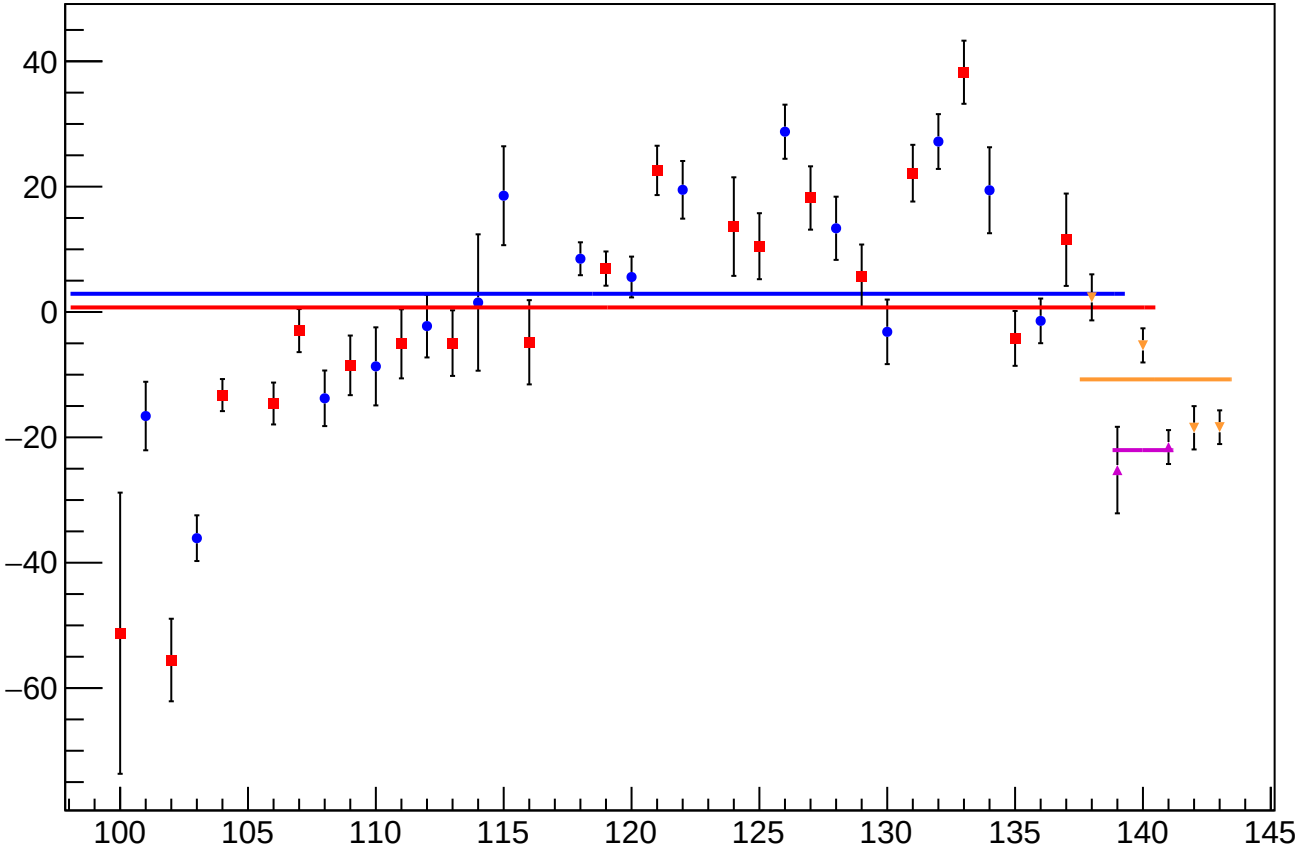
Left In: 201.443+/-2.663 χ^2/NDF:36.9/1

+ sign 178.588+/-0.946 χ^2/NDF: 1841.3/19

All: 173.435+/-0.666 χ^2/NDF: 4529.5/40

- sign 168.387+/-0.937 χ^2/NDF: 2629.6/20

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.750+/-1.524 χ^2/NDF:29.7/3

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

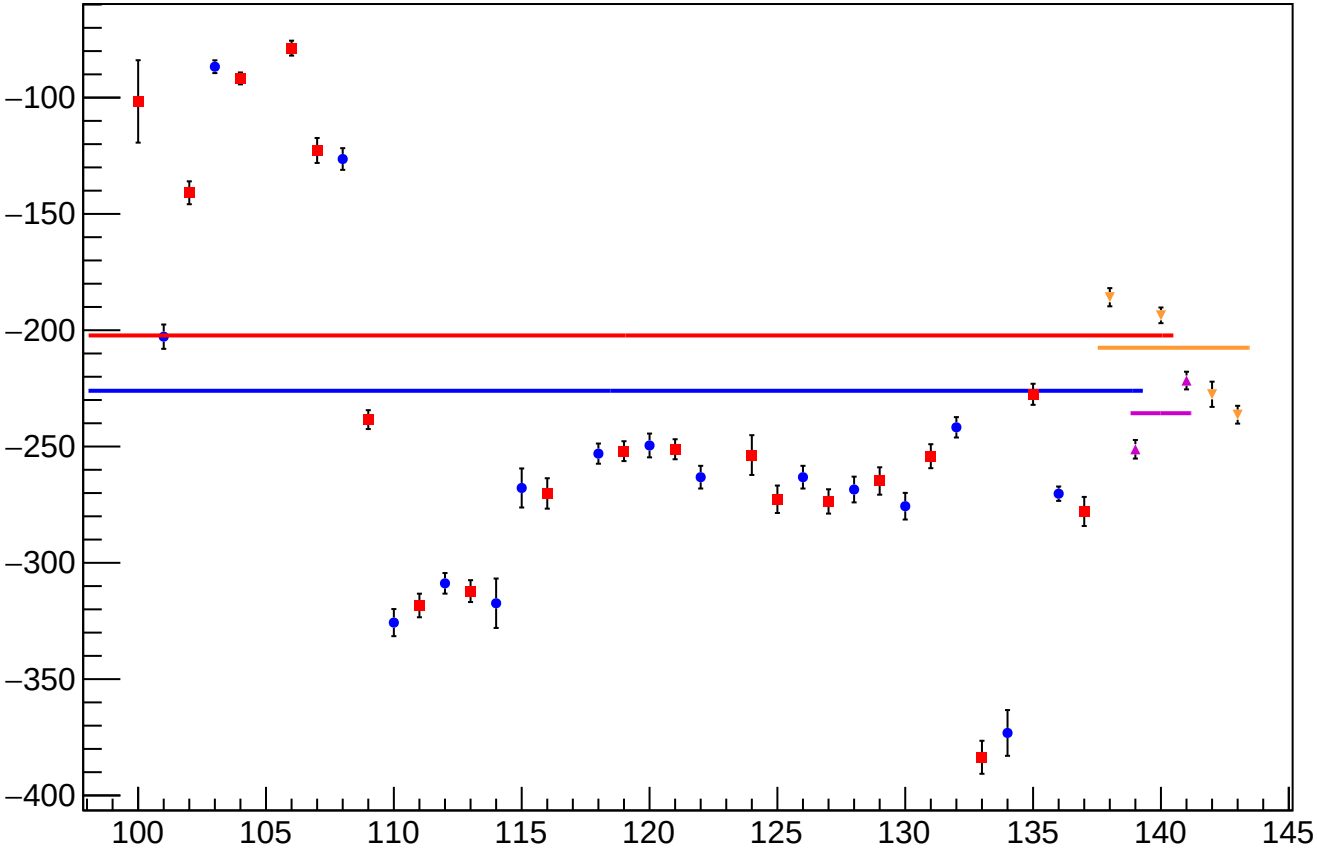
Left In: -22.036+/-2.520 χ^2/NDF:0.2/1

+ sign -1.798+/-0.894 χ^2/NDF: 329.9/19

All: -2.100+/-0.648 χ^2/NDF: 674.2/40

- sign -2.434+/-0.939 χ^2/NDF: 344.1/20

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -207.525+/-1.978 χ^2/NDF:118.1/3

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

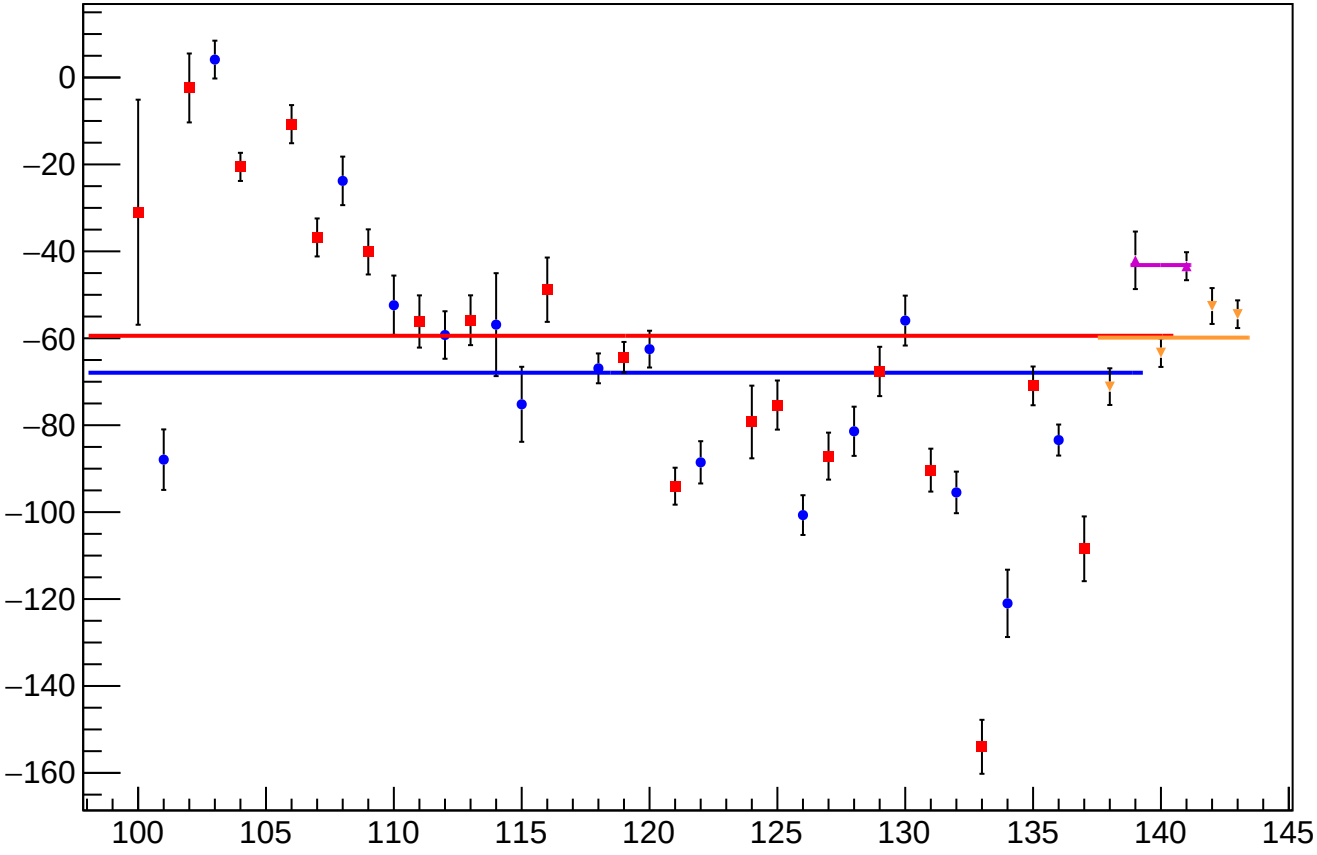
Left In: -235.676+/-2.753 χ^2/NDF:28.7/1

\+ sign -221.201+/-1.010 χ^2/NDF: 4721.8/19

All: -213.985+/-0.715 χ^2/NDF: 11671.1/40

\- sign -206.758+/-1.011 χ^2/NDF: 6847.1/20

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -59.850+/-1.806 χ^2/NDF:14.2/3

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

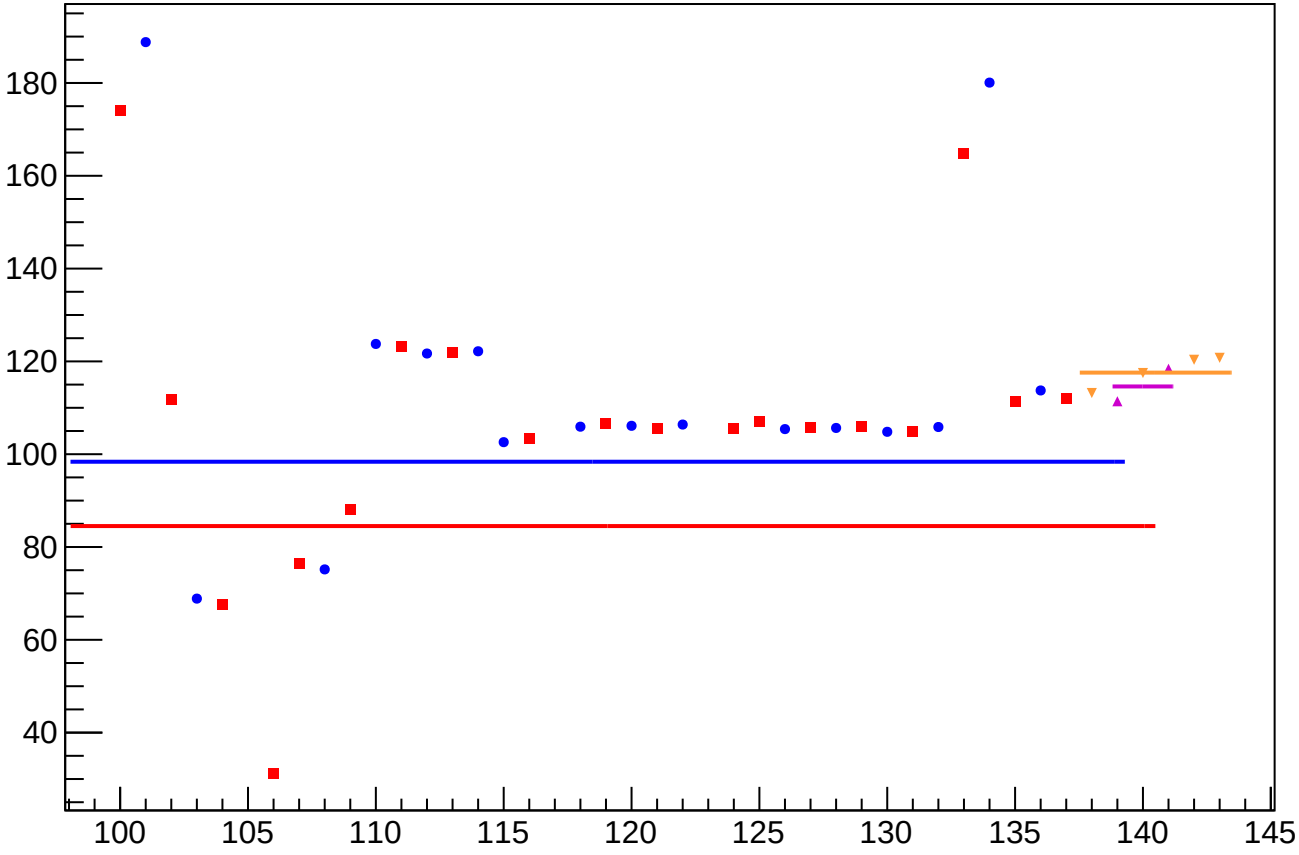
Left In: -43.157+/-2.897 χ^2/NDF:0.0/1

+ sign -65.232+/-1.043 χ^2/NDF: 561.6/19

All: -61.366+/-0.756 χ^2/NDF: 1412.4/40

- sign -57.099+/-1.096 χ^2/NDF: 821.9/20

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 117.584+/-0.083 χ^2/NDF:1332.7/3

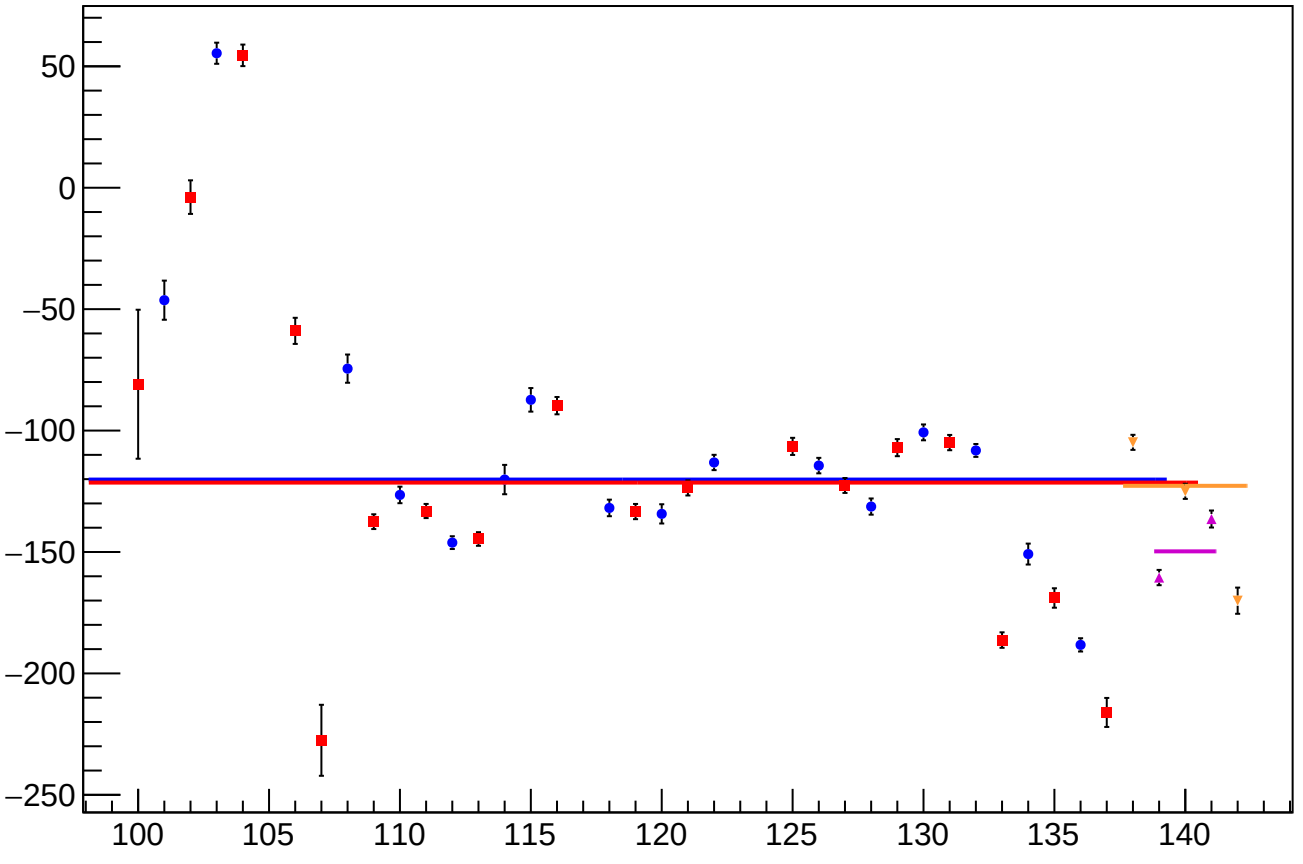
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 114.601+/-0.105 χ^2/NDF:1098.0/1

+ sign 105.786+/-0.052 χ^2/NDF: 262379.5/19

All: 99.000+/-0.037 χ^2/NDF: 628651.2/40

- sign 92.010+/-0.053 χ^2/NDF: 331380.2/20



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -122.748+/-2.035 χ^2/NDF:110.8/2

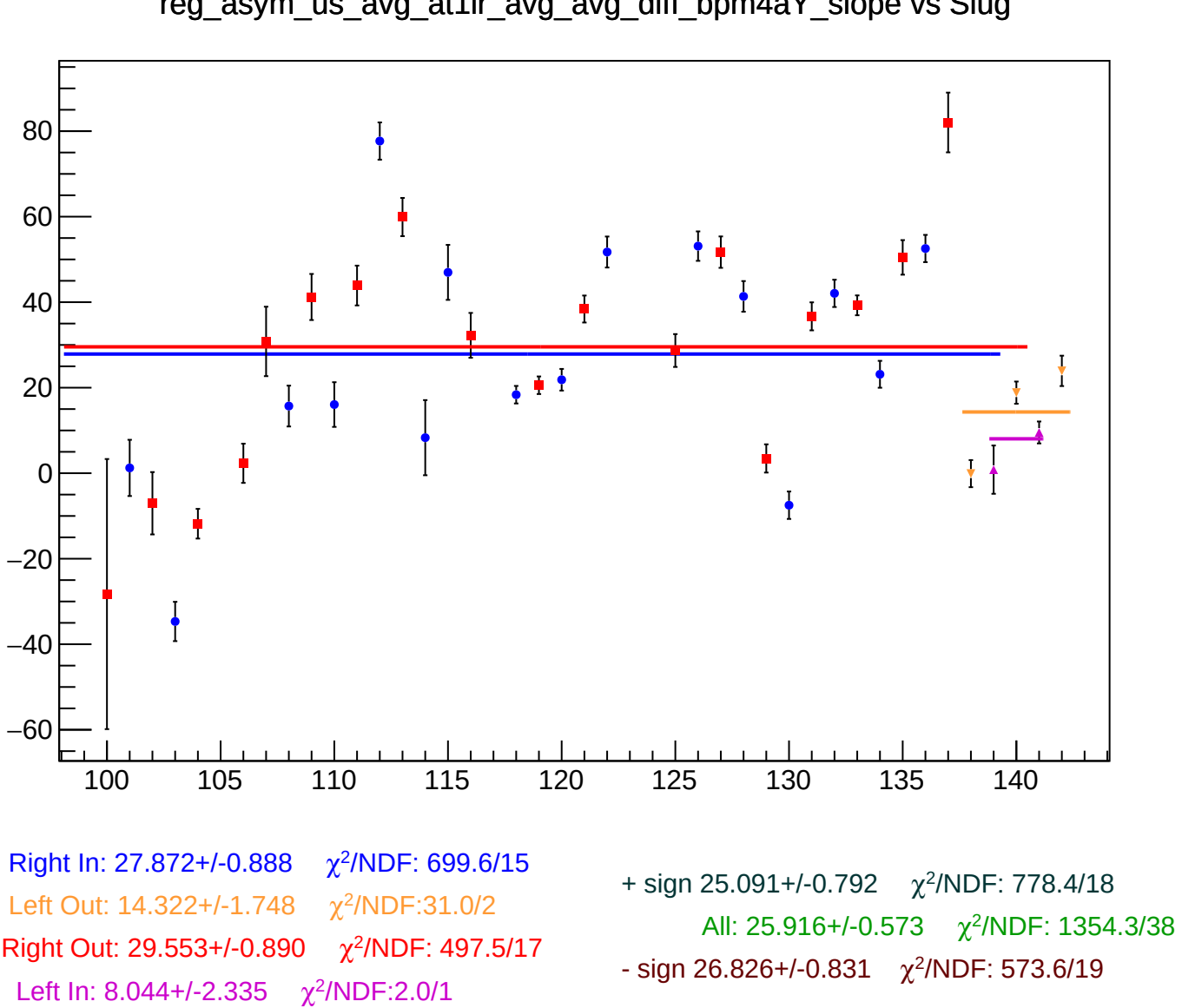
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

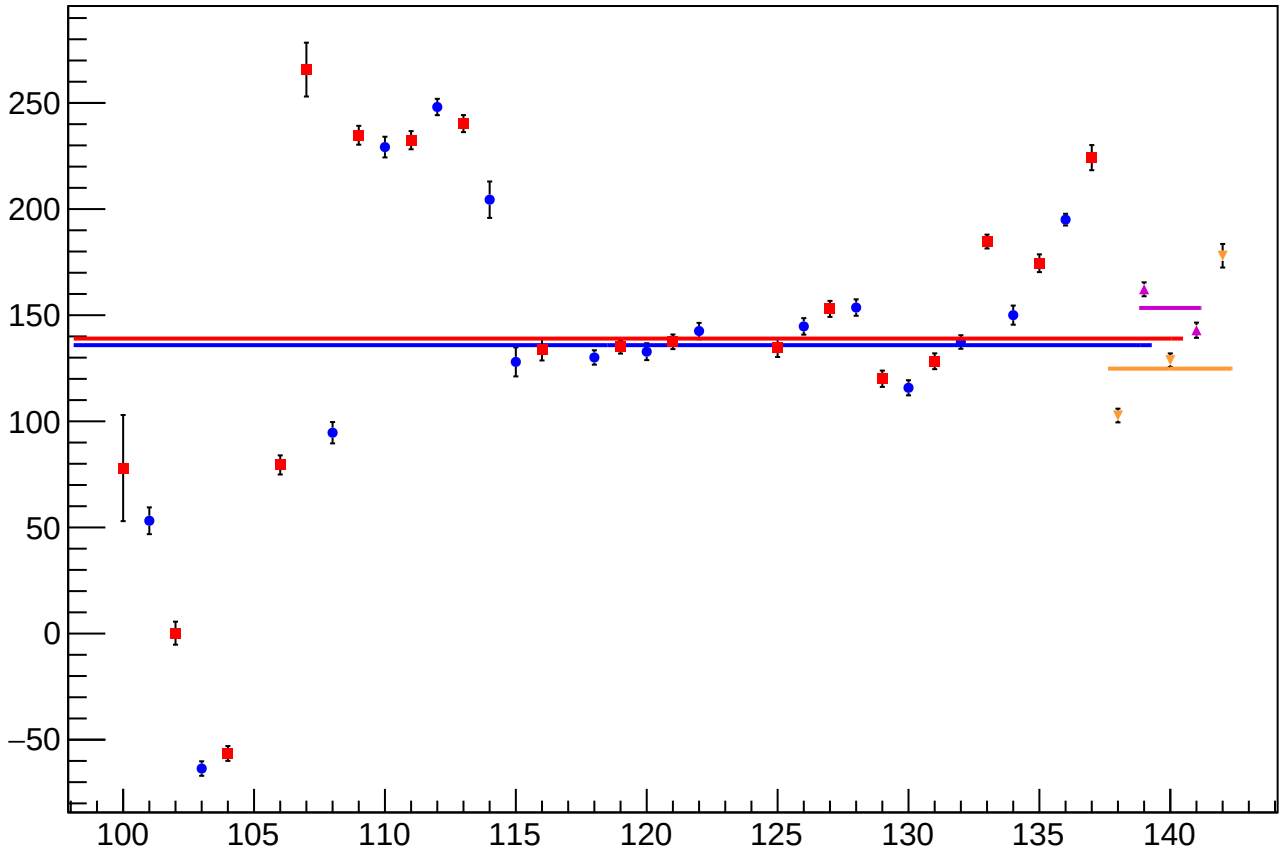
Left In: -149.738+/-2.342 χ^2/NDF:26.2/1

+ sign -120.590+/-0.816 χ^2/NDF: 2803.3/18

All: -122.729+/-0.578 χ^2/NDF: 6098.0/38

- sign -124.890+/-0.820 χ^2/NDF: 3280.9/19


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
105
110
115
120
125
130
135
140
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 14.322+/-1.748 χ²/NDF:31.0/2
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 8.044+/-2.335 χ²/NDF:2.0/1
+ sign 25.091+/-0.792 χ²/NDF: 778.4/18
All: 25.916+/-0.573 χ²/NDF: 1354.3/38
- sign 26.826+/-0.831 χ²/NDF: 573.6/19



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 124.824+/-2.107 χ^2/NDF:139.6/2

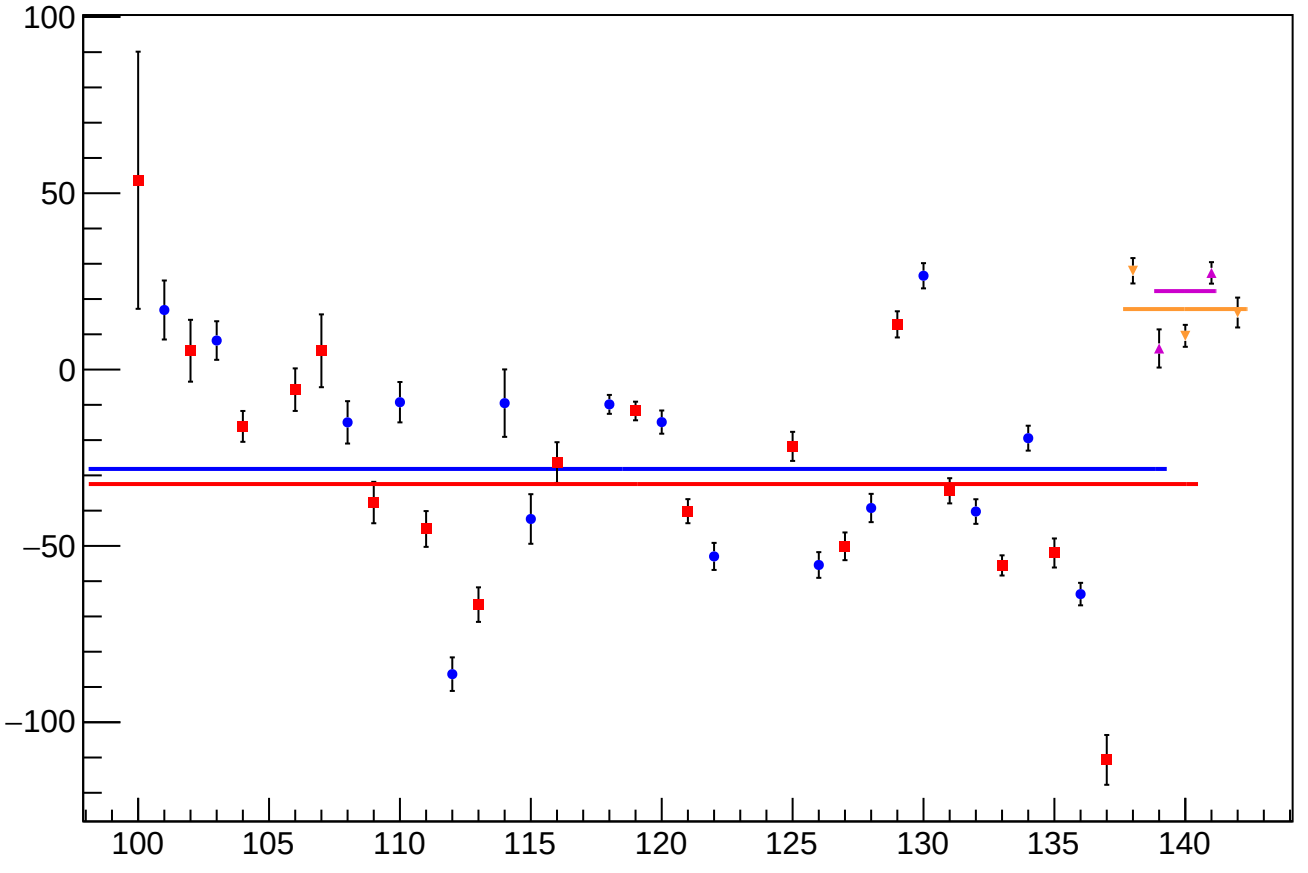
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 153.415+/-2.424 χ^2/NDF:15.7/1

\+ sign 133.854+/-0.902 χ^2/NDF: 5625.7/18

All: 137.383+/-0.645 χ^2/NDF: 11859.5/38

\- sign 141.077+/-0.923 χ^2/NDF: 6202.4/19



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 17.155+/-2.058 χ^2/NDF:15.1/2

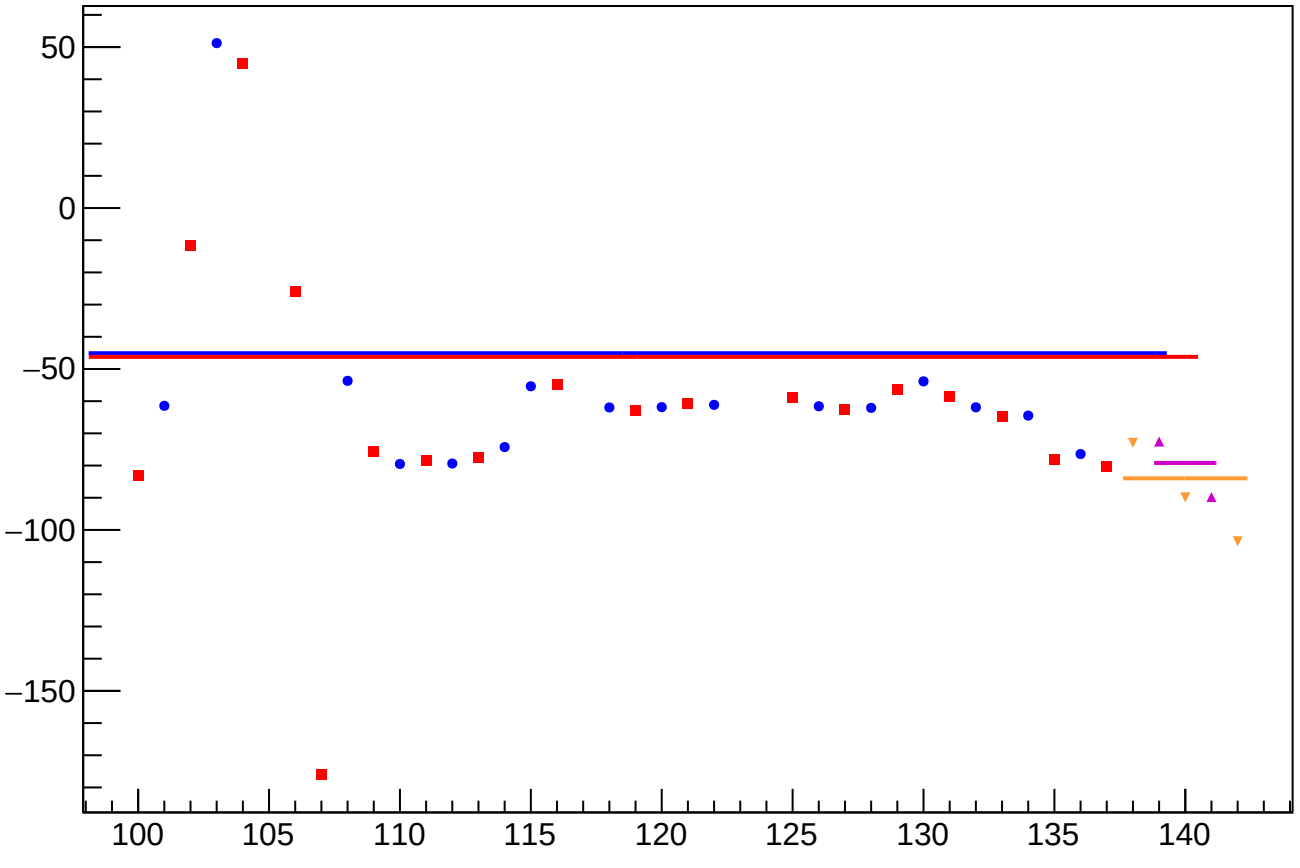
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 22.251+/-2.655 χ^2/NDF:11.9/1

+ sign -19.203+/-0.915 χ^2/NDF: 1195.5/18

All: -22.130+/-0.662 χ^2/NDF: 2178.9/38

- sign -25.336+/-0.958 χ^2/NDF: 962.0/19



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -83.973+/-0.088 χ^2/NDF:16485.4/2

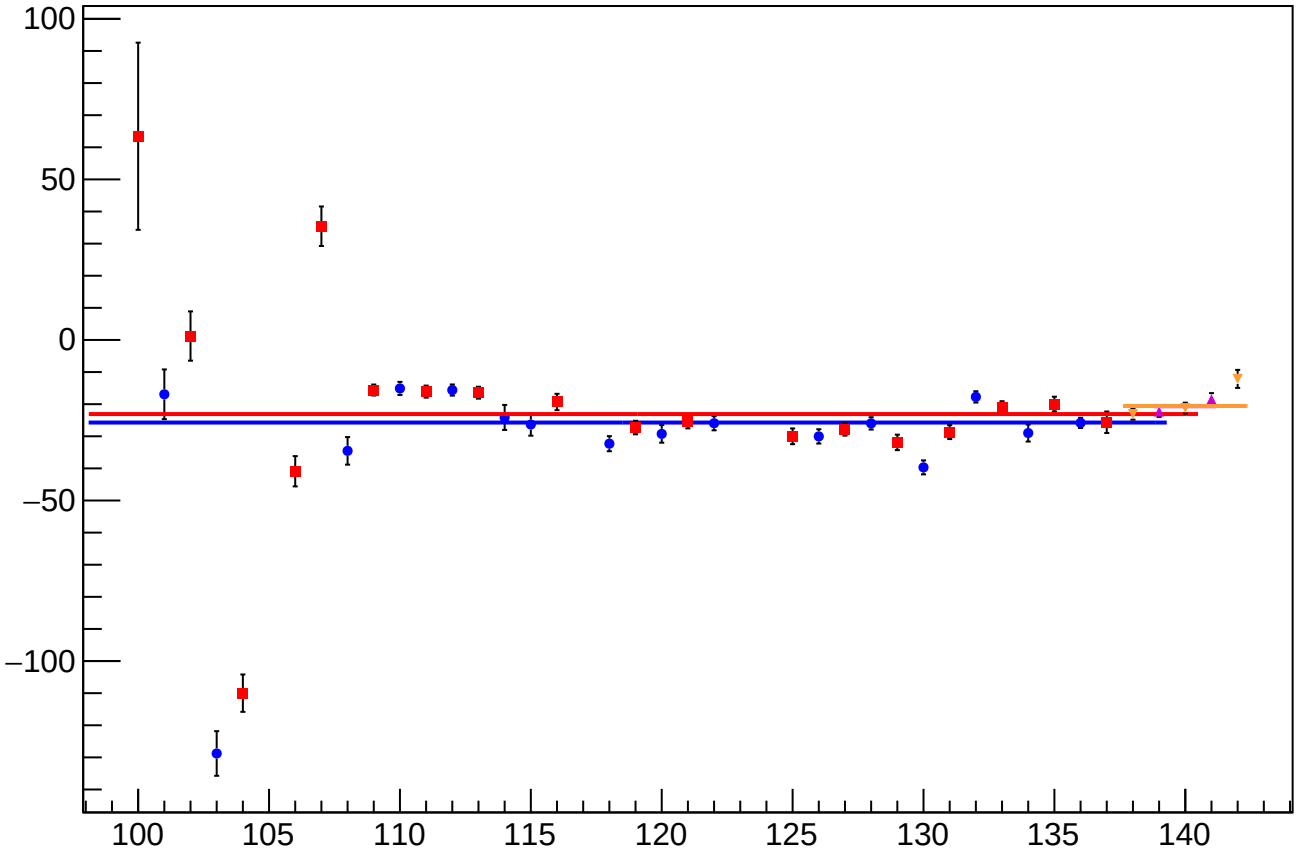
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -79.190+/-0.091 χ^2/NDF:8432.8/1

+ sign -57.466+/-0.050 χ^2/NDF: 724515.5/18

All: -57.126+/-0.036 χ^2/NDF: 1315272.0/38

- sign -56.759+/-0.052 χ^2/NDF: 590659.3/19



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -20.575+/-1.108 χ^2/NDF:11.3/2

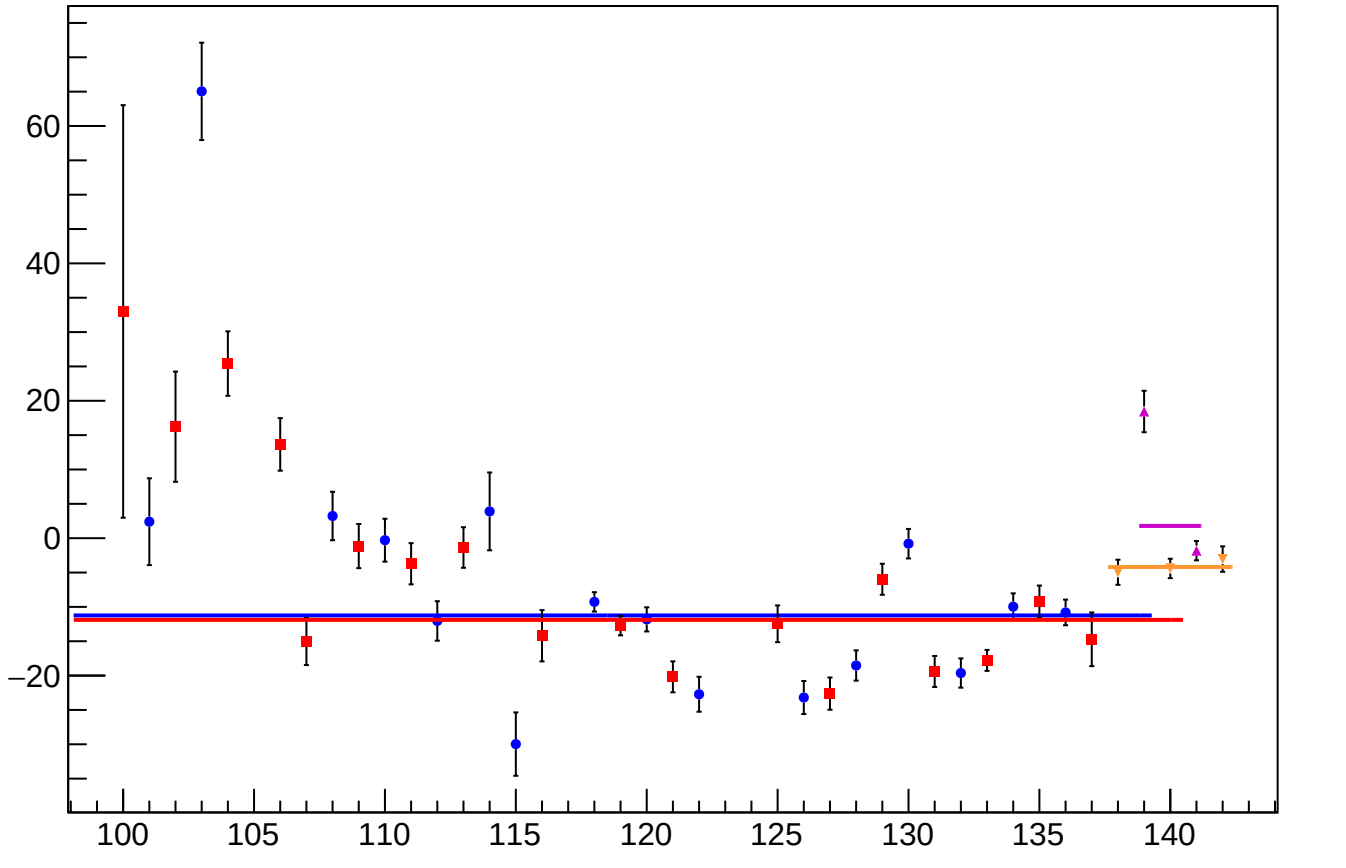
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -20.631+/-1.257 χ^2/NDF:2.3/1

+ sign -24.584+/-0.521 χ^2/NDF: 391.1/18

All: -23.629+/-0.371 χ^2/NDF: 840.4/38

- sign -22.647+/-0.528 χ^2/NDF: 442.5/19



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -4.193+/-0.956 χ^2/NDF:0.6/2

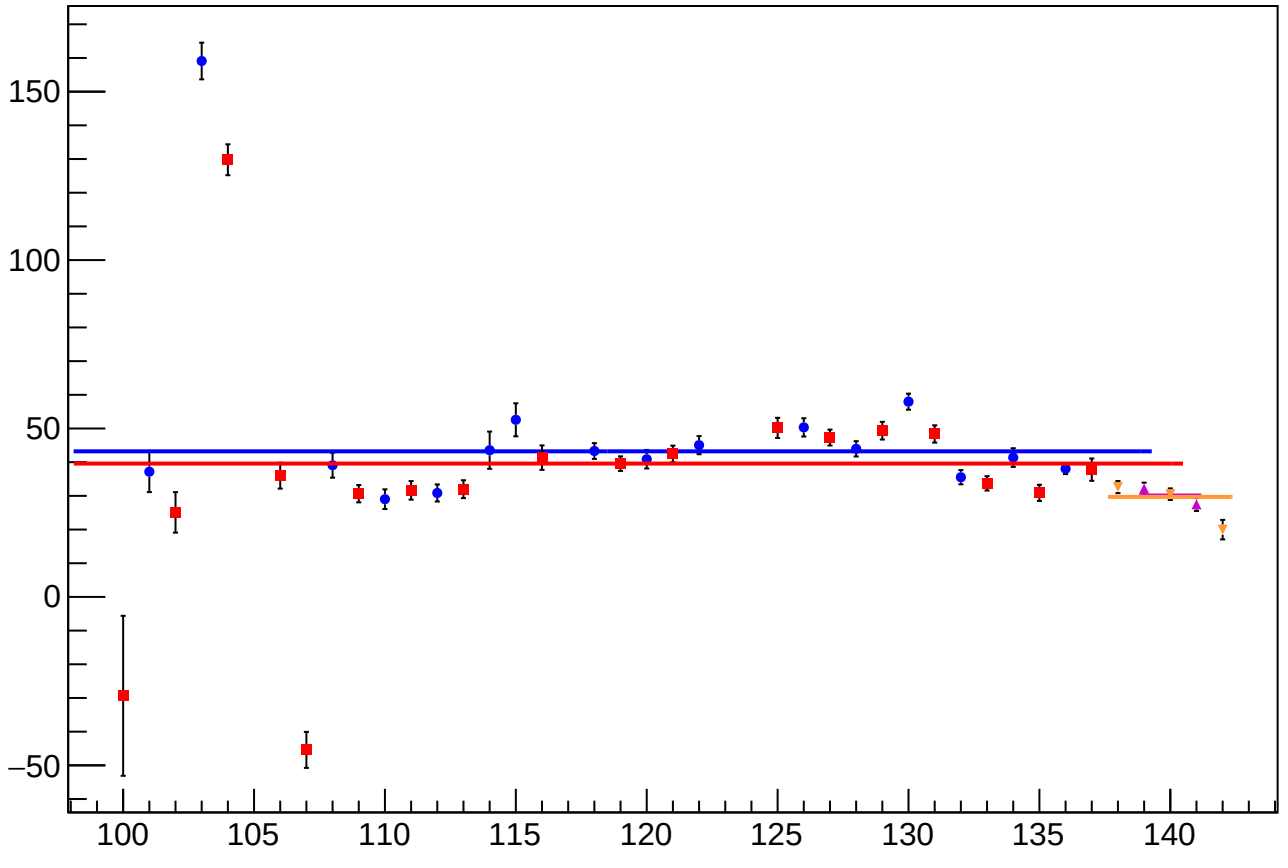
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: 1.787+/-1.273 χ^2/NDF:37.0/1

+ sign -9.252+/-0.508 χ^2/NDF: 310.7/18

All: -9.300+/-0.373 χ^2/NDF: 666.3/38

- sign -9.357+/-0.548 χ^2/NDF: 355.5/19



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 29.700+/-1.147 χ^2/NDF:14.1/2

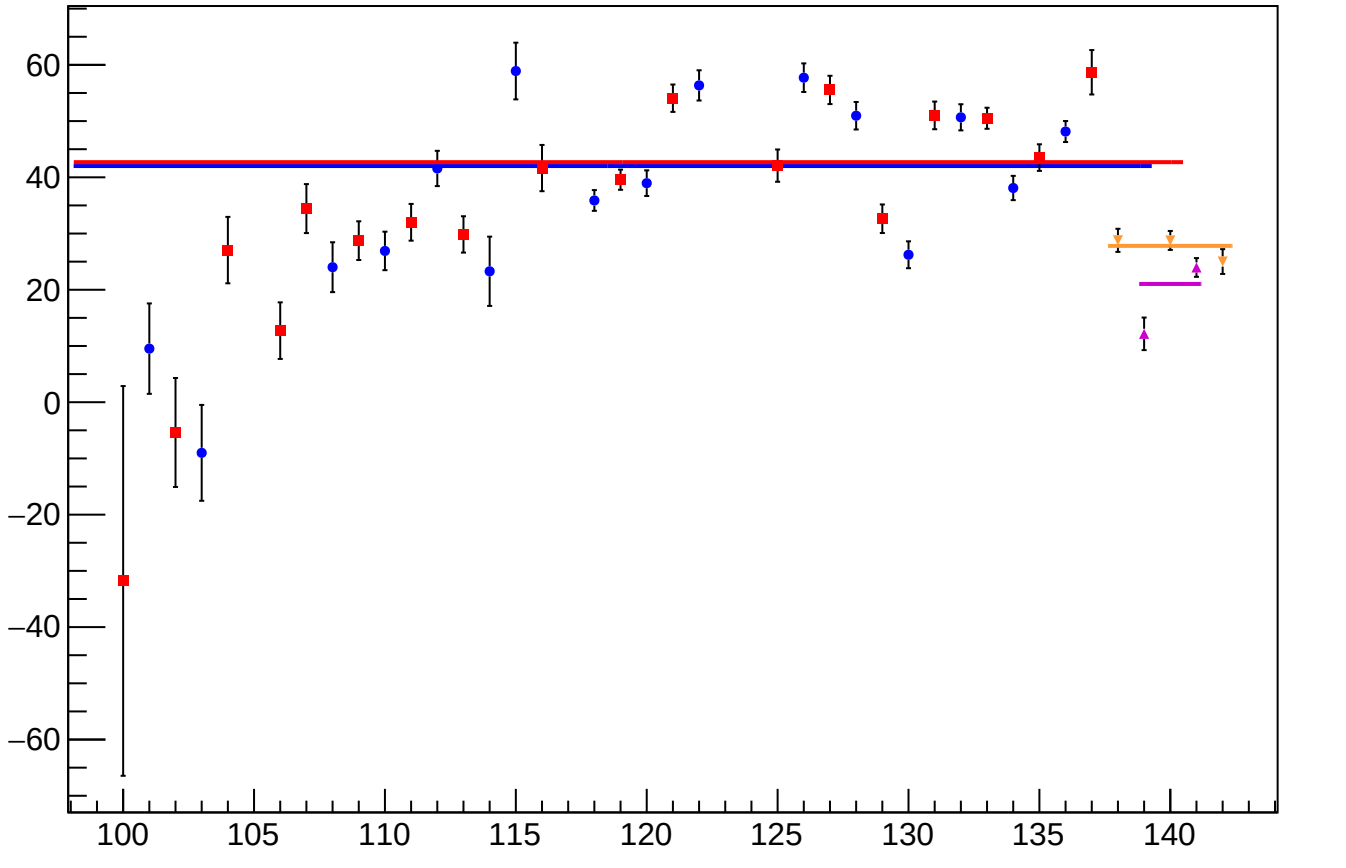
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 30.107+/-1.301 χ^2/NDF:3.2/1

+ sign 39.721+/-0.584 χ^2/NDF: 693.0/18

All: 38.666+/-0.420 χ^2/NDF: 1498.6/38

- sign 37.530+/-0.606 χ^2/NDF: 798.8/19



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 27.806+/-1.122 χ^2/NDF:2.2/2

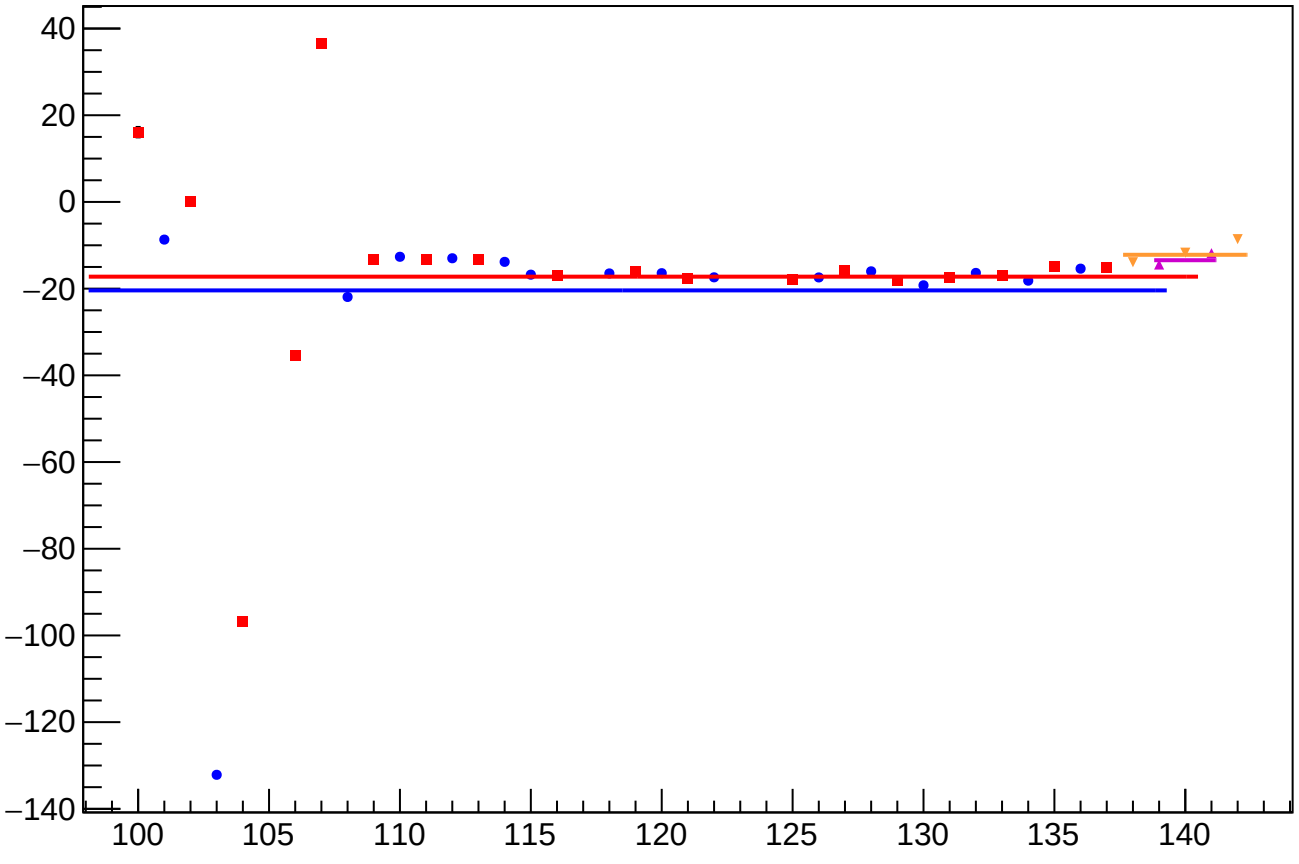
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 21.034+/-1.443 χ^2/NDF:12.5/1

+ sign 38.160+/-0.584 χ^2/NDF: 391.7/18

All: 38.373+/-0.427 χ^2/NDF: 817.8/38

- sign 38.618+/-0.626 χ^2/NDF: 425.8/19



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -12.192+/-0.048 χ^2/NDF:1554.2/2

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

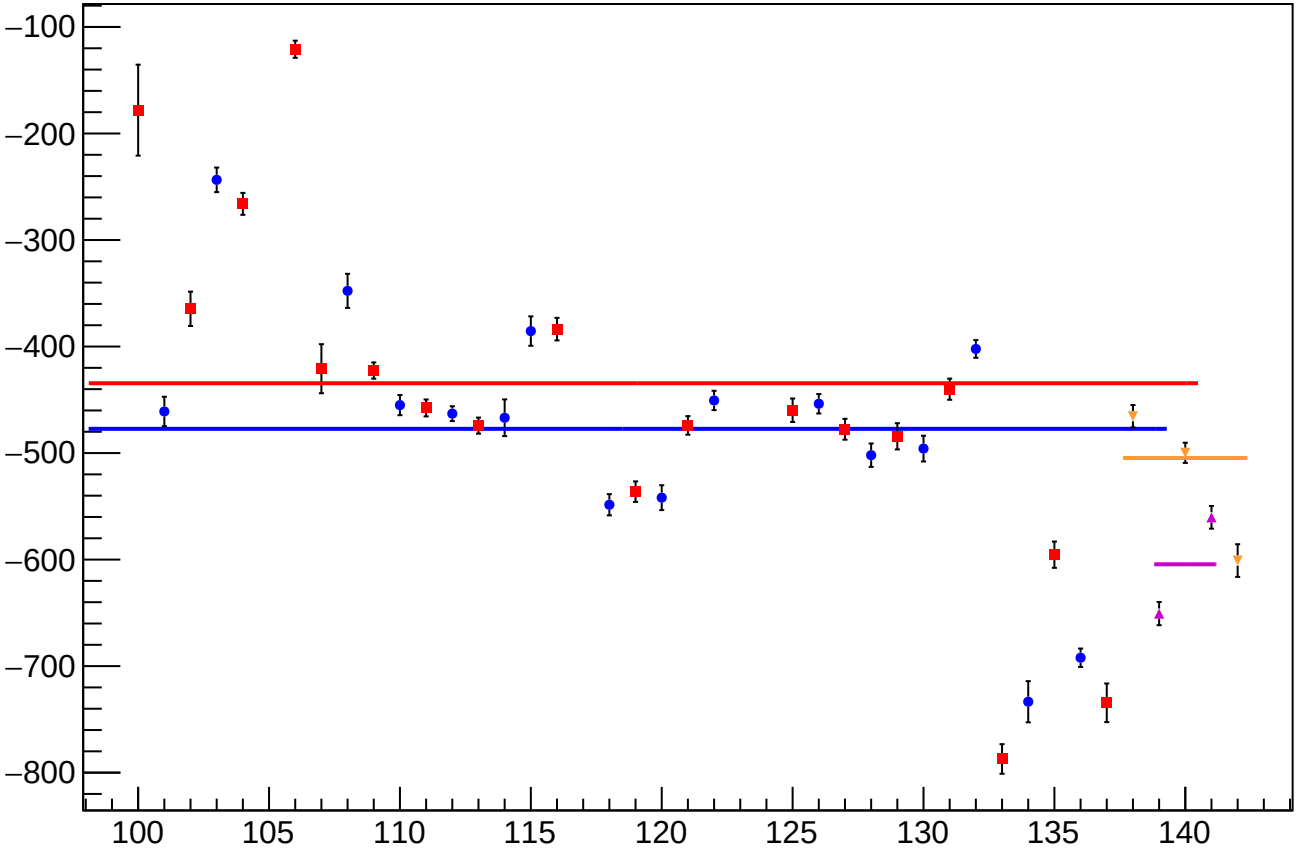
Left In: -13.444+/-0.049 χ^2/NDF:669.6/1

+ sign -16.824+/-0.031 χ^2/NDF: 263911.2/18

All: -16.209+/-0.023 χ^2/NDF: 473339.7/38

- sign -15.542+/-0.033 χ^2/NDF: 208632.2/19

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -504.621+/-6.393 χ^2/NDF:53.5/2

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

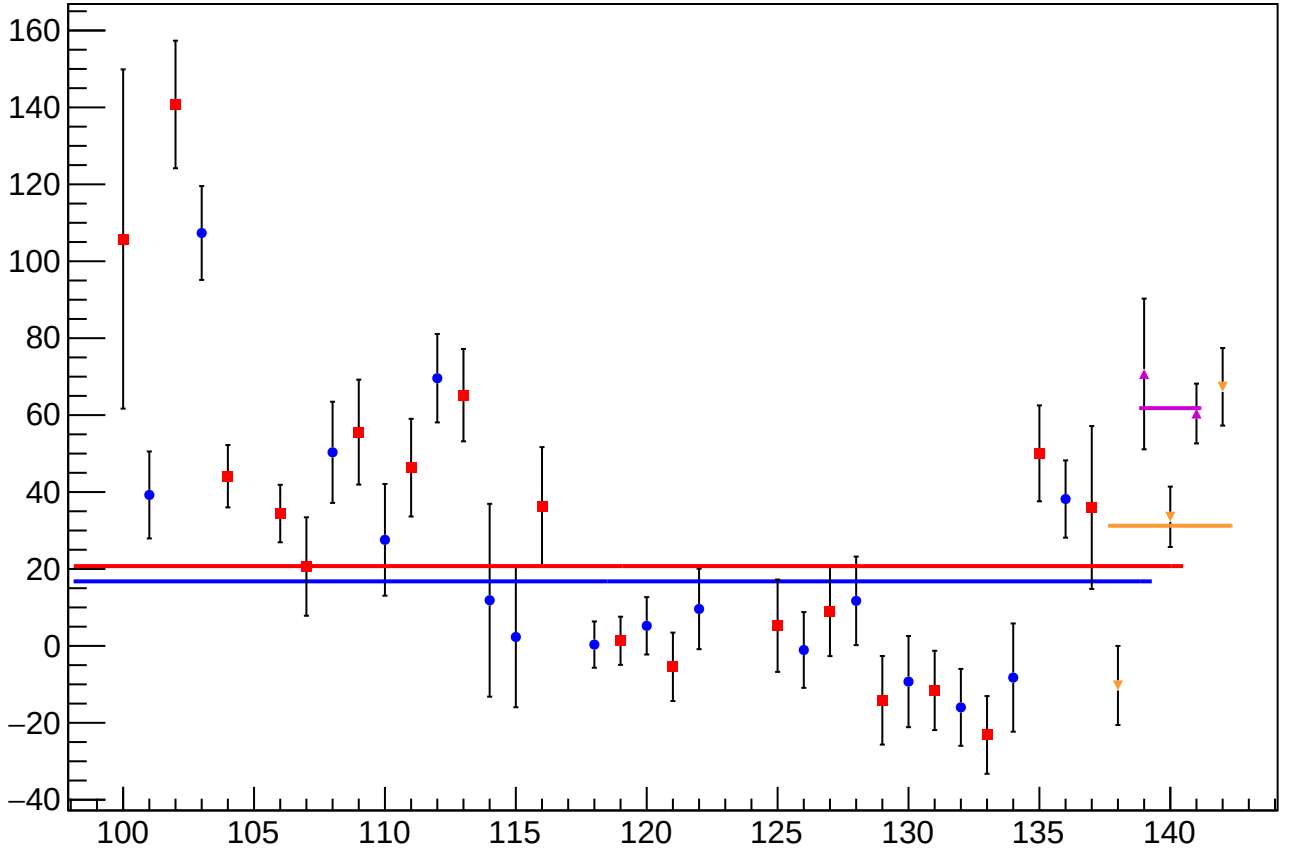
Left In: -604.428+/-7.616 χ^2/NDF:35.2/1

+ sign -481.224+/-2.435 χ^2/NDF: 1580.0/18

All: -465.304+/-1.689 χ^2/NDF: 5310.5/38

- sign -450.544+/-2.344 χ^2/NDF: 3648.1/19

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: 31.241+/-5.305 χ^2/NDF:29.2/2

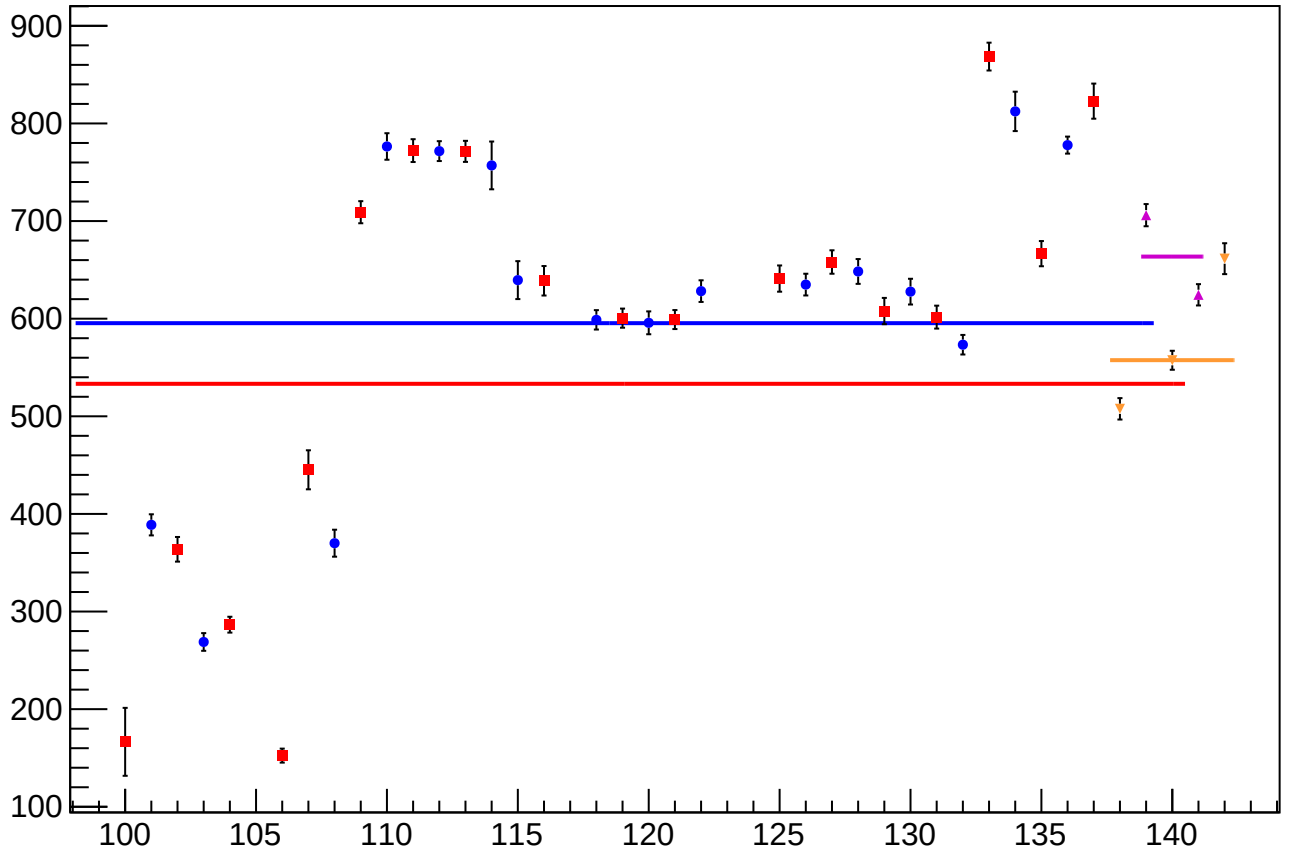
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 61.811+/-7.225 χ^2/NDF:0.2/1

+ sign 19.675+/-2.374 χ^2/NDF: 160.2/18

All: 22.449+/-1.689 χ^2/NDF: 349.8/38

- sign 25.292+/-2.403 χ^2/NDF: 186.9/19



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 557.511+/-6.611 χ^2/NDF:63.8/2

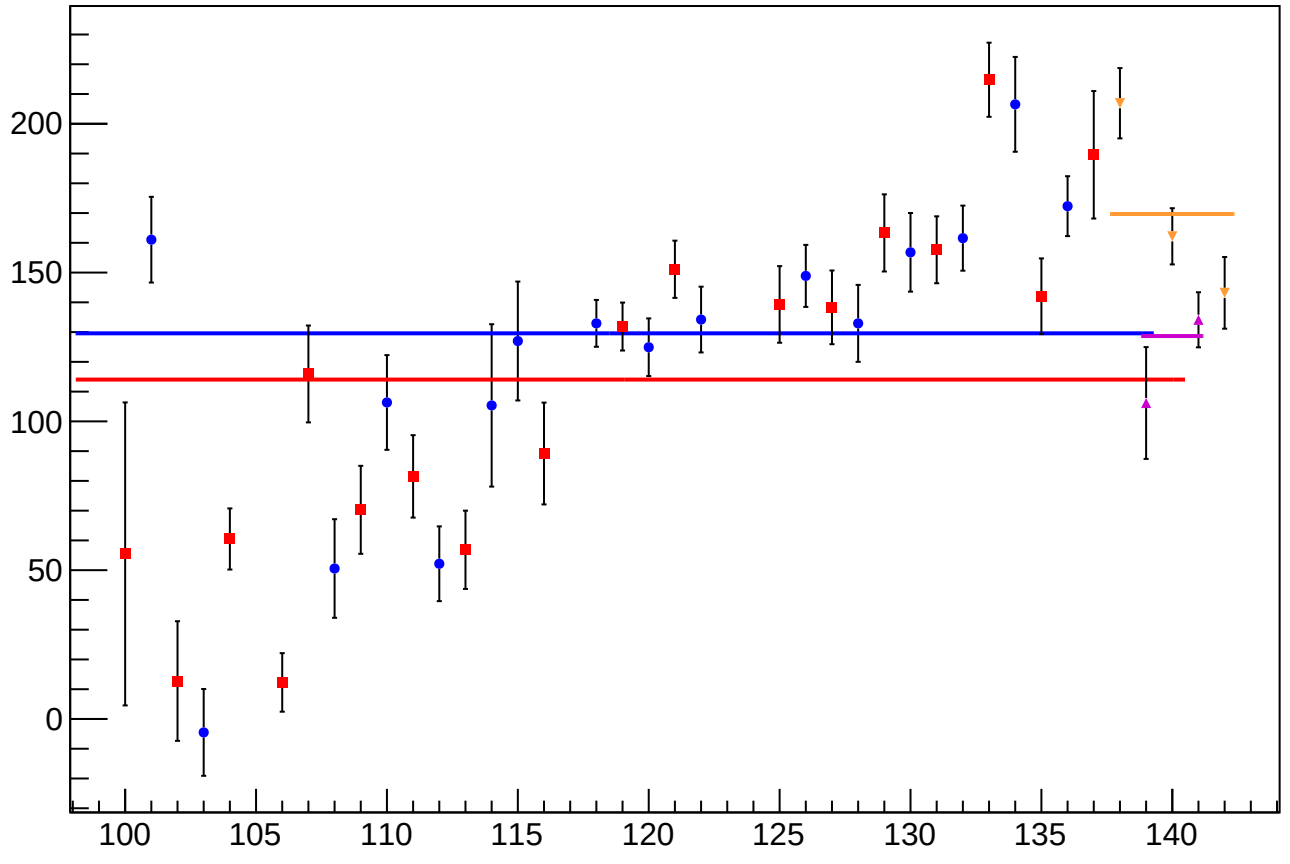
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 663.610+/-7.874 χ^2/NDF:26.8/1

+ sign 589.186+/-2.678 χ^2/NDF: 3151.0/18

All: 567.623+/-1.863 χ^2/NDF: 10050.5/38

- sign 547.416+/-2.593 χ^2/NDF: 6773.9/19



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 169.682+/-6.290 χ^2/NDF:15.4/2

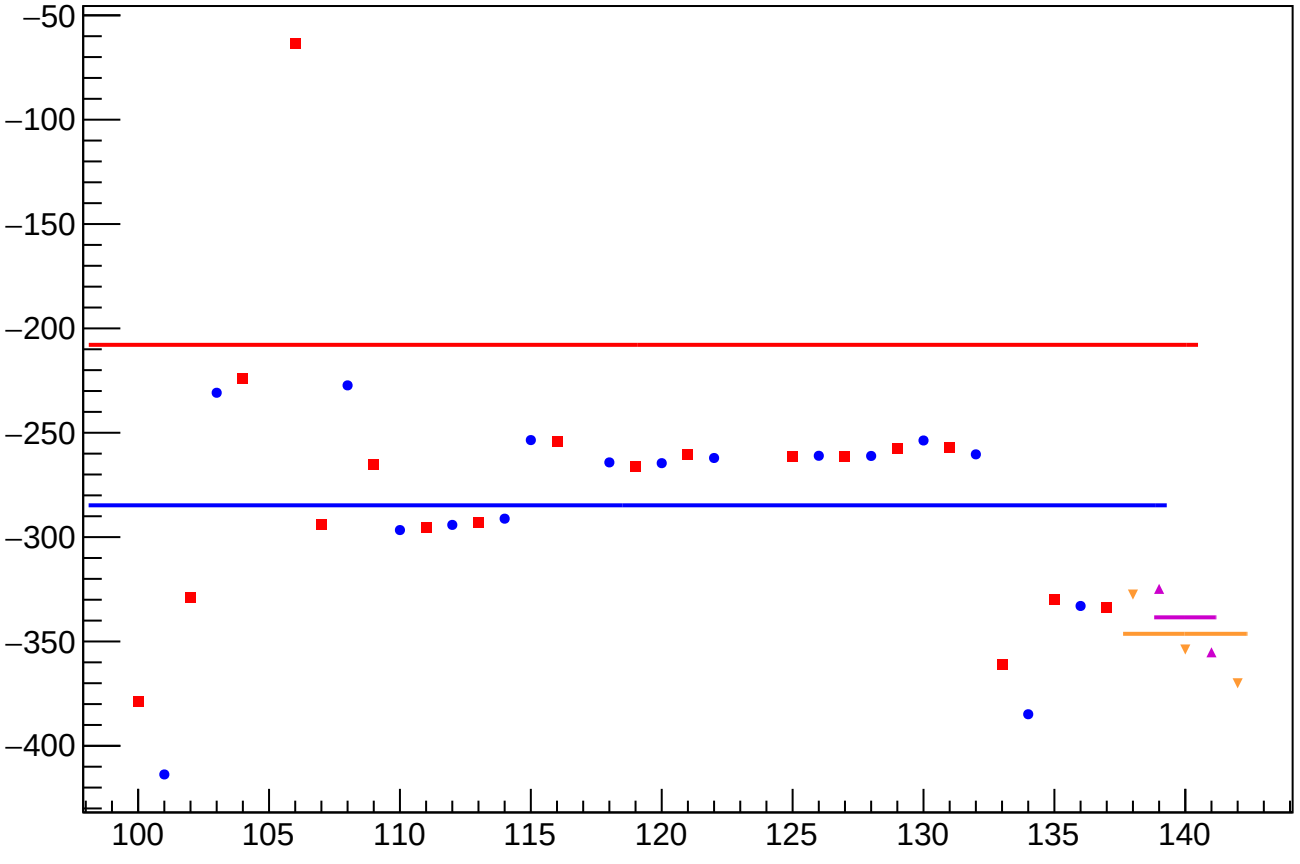
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 128.671+/-8.303 χ^2/NDF:1.8/1

+ sign 137.343+/-2.767 χ^2/NDF: 259.4/18

All: 126.663+/-1.969 χ^2/NDF: 630.0/38

- sign 115.713+/-2.802 χ^2/NDF: 340.5/19



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -346.328+/-0.280 χ^2/NDF:3440.2/2

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

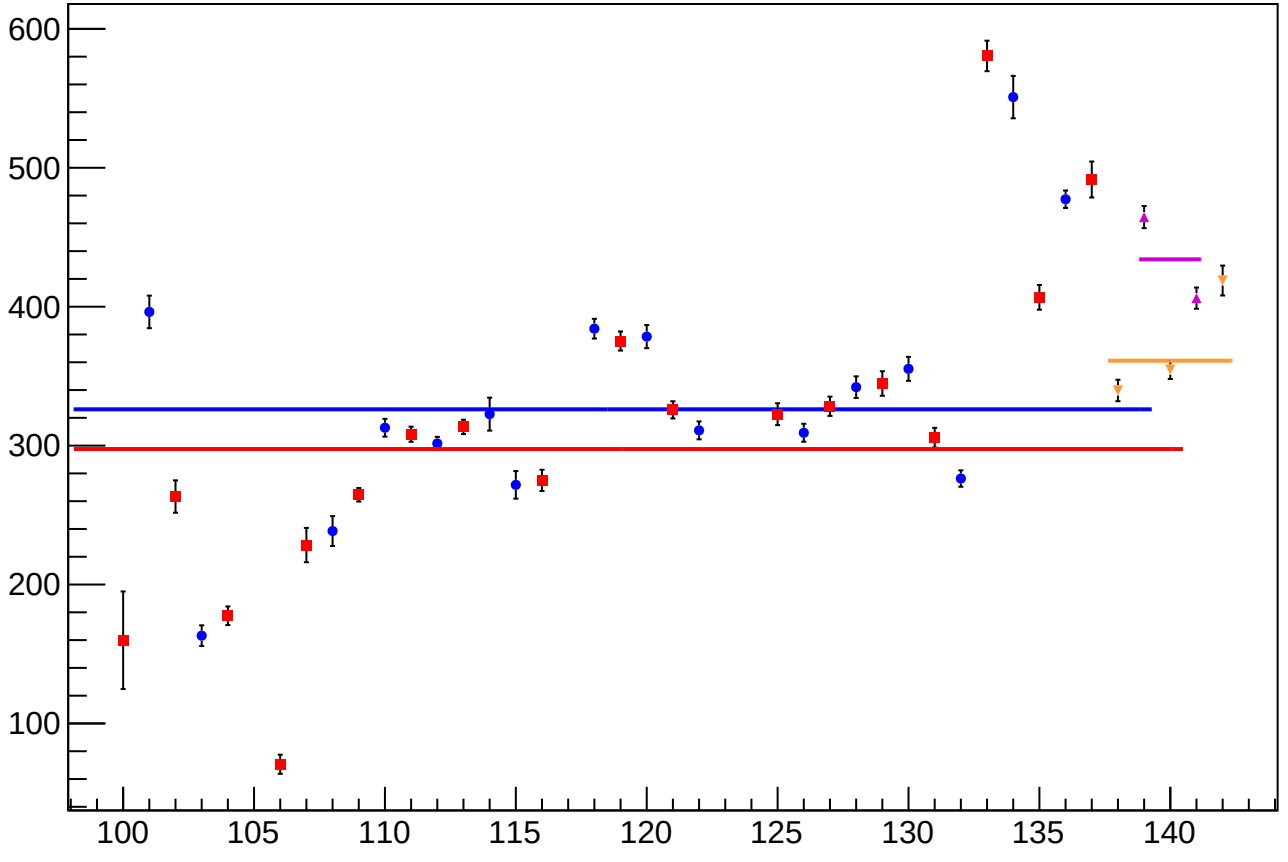
Left In: -338.437+/-0.301 χ^2/NDF:2531.5/1

+ sign -302.457+/-0.150 χ^2/NDF: 142360.3/18

All: -264.027+/-0.100 χ^2/NDF: 950977.9/38

- sign -233.595+/-0.133 χ^2/NDF: 690818.8/19

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: 361.133+/-4.602 χ^2/NDF:37.3/2

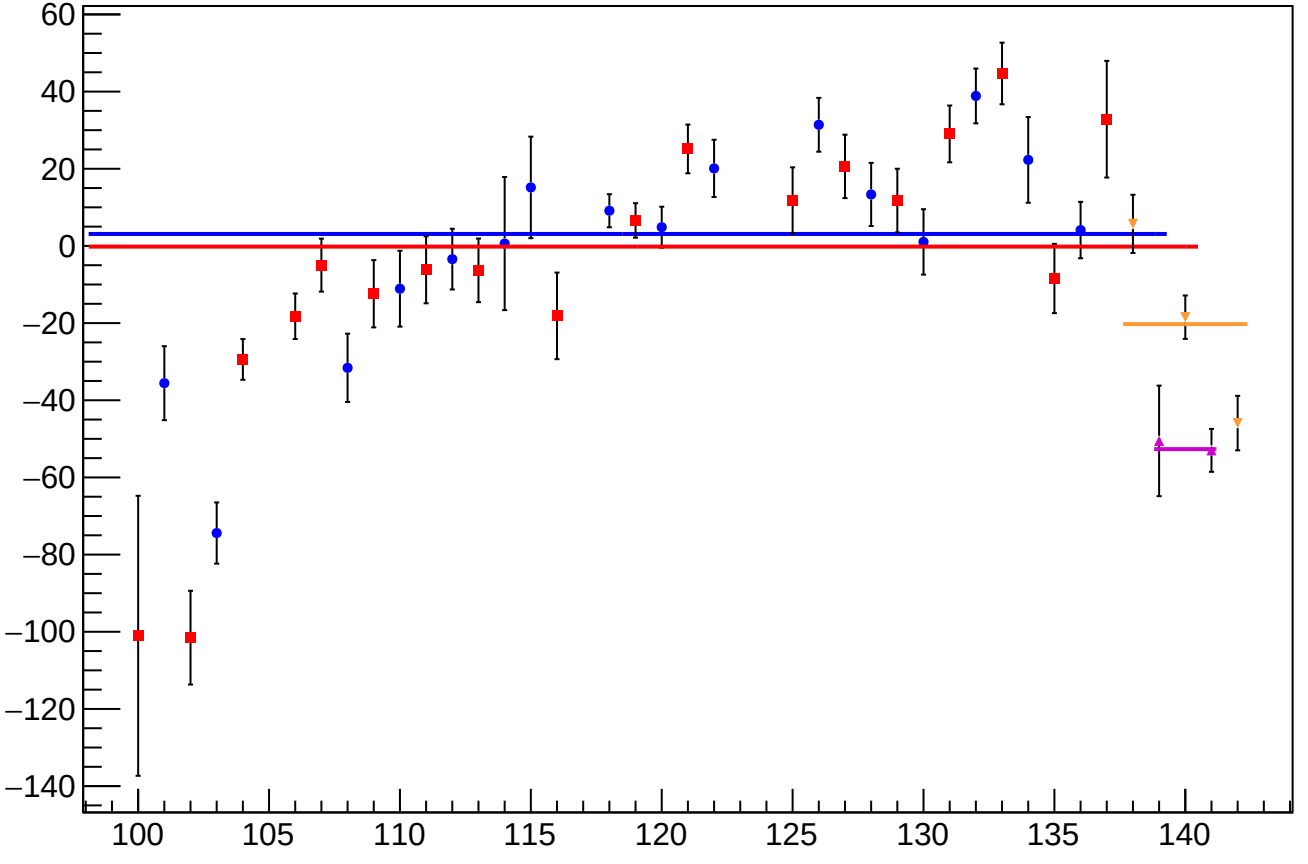
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 434.089+/-5.504 χ^2/NDF:28.1/1

\+ sign 331.034+/-1.722 χ^2/NDF: 1730.0/18

All: 320.033+/-1.193 χ^2/NDF: 5172.0/38

\- sign 309.877+/-1.654 χ^2/NDF: 3363.5/19



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -20.266+/-3.799 χ^2/NDF:25.2/2

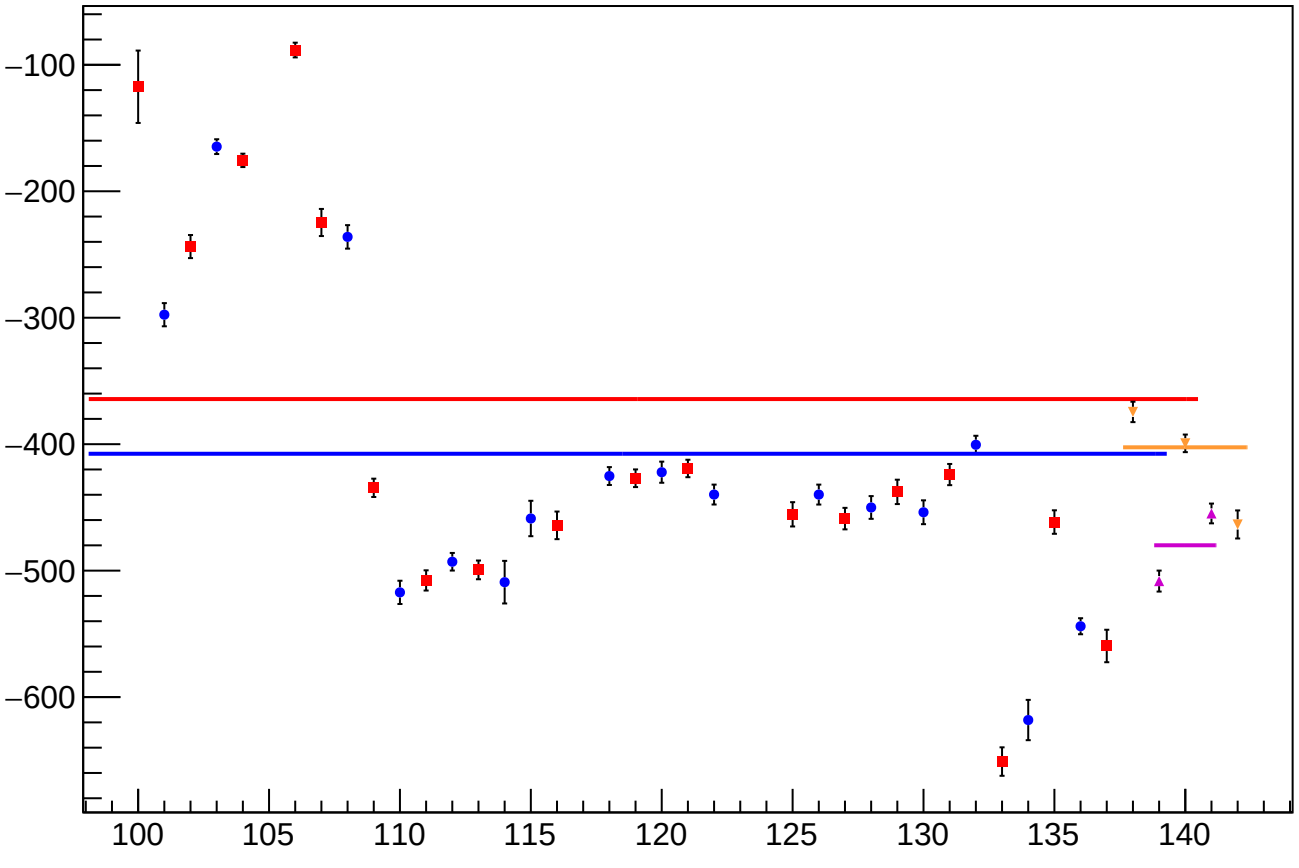
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -52.661+/-5.188 χ^2/NDF:0.0/1

\+ sign -1.544+/-1.694 χ^2/NDF: 240.0/18

All: -3.657+/-1.197 χ^2/NDF: 539.8/38

\- sign -5.769+/-1.693 χ^2/NDF: 296.7/19



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -402.481+/-4.758 χ^2/NDF:42.5/2

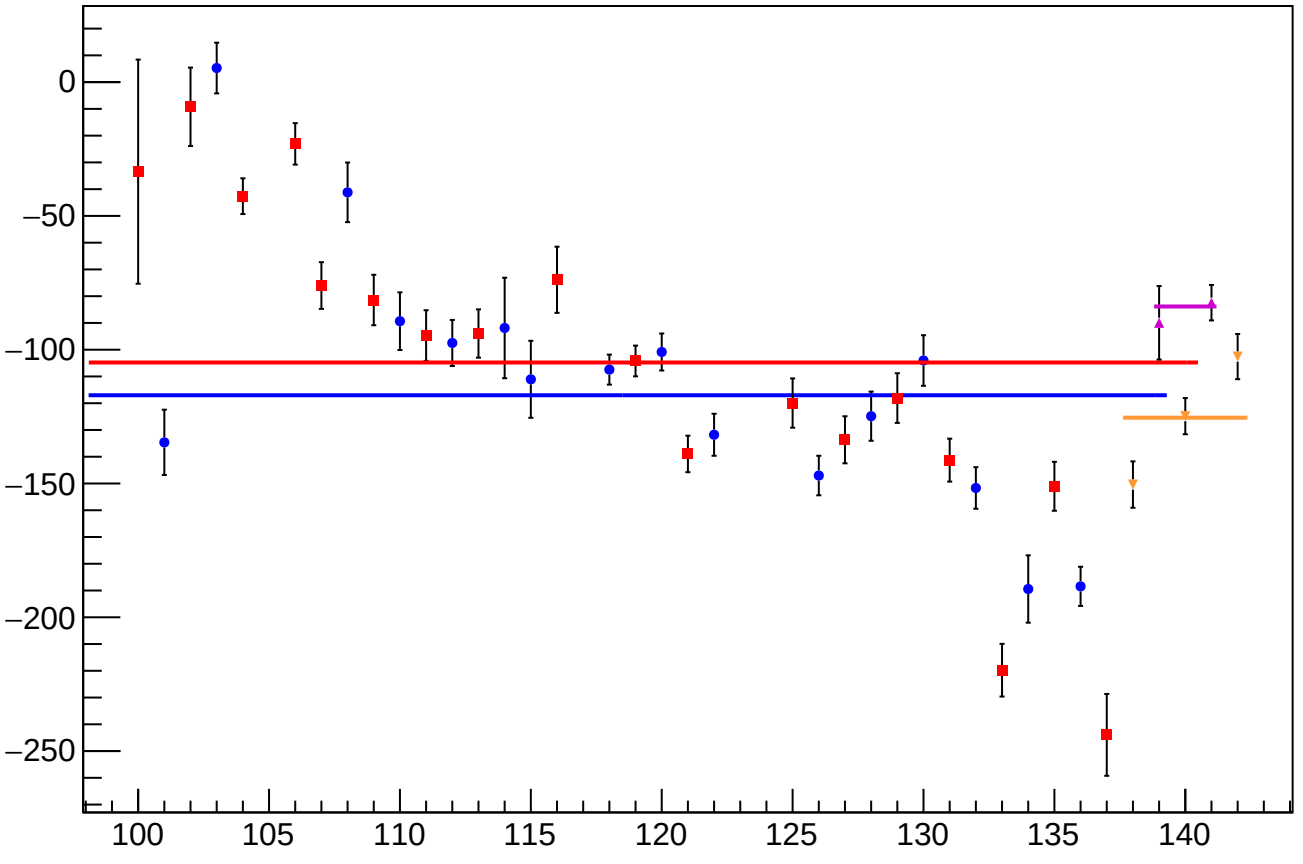
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -479.945+/-5.688 χ^2/NDF:22.0/1

\+ sign -406.762+/-1.901 χ^2/NDF: 3324.0/18

All: -391.068+/-1.321 χ^2/NDF: 10068.3/38

\- sign -376.396+/-1.838 χ^2/NDF: 6612.4/19



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -125.405+/-4.507 χ^2/NDF:15.6/2

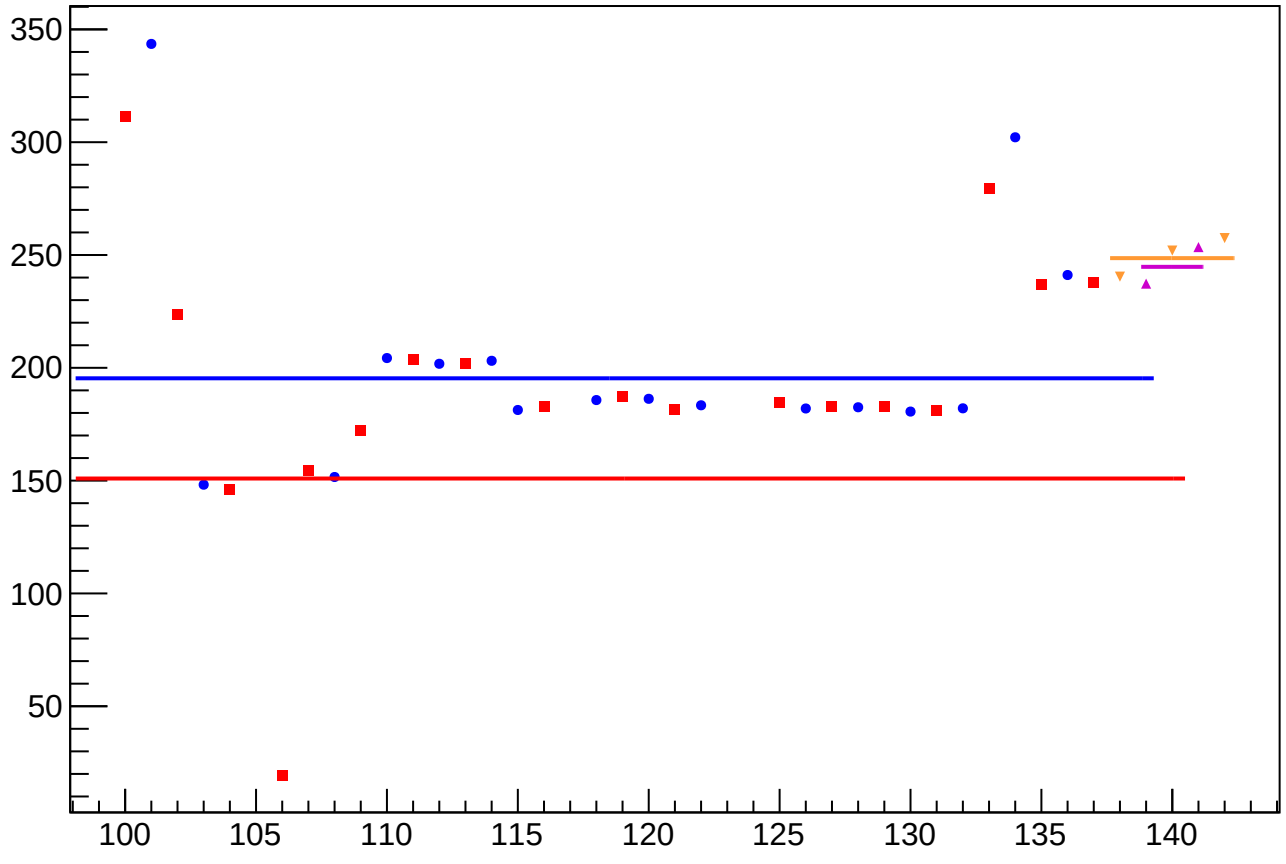
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -83.846+/-5.969 χ^2/NDF:0.2/1

+ sign -118.628+/-1.973 χ^2/NDF: 426.3/18

All: -110.561+/-1.395 χ^2/NDF: 1046.0/38

- sign -102.492+/-1.973 χ^2/NDF: 586.3/19



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 248.613+/-0.201 χ^2/NDF:1134.9/2

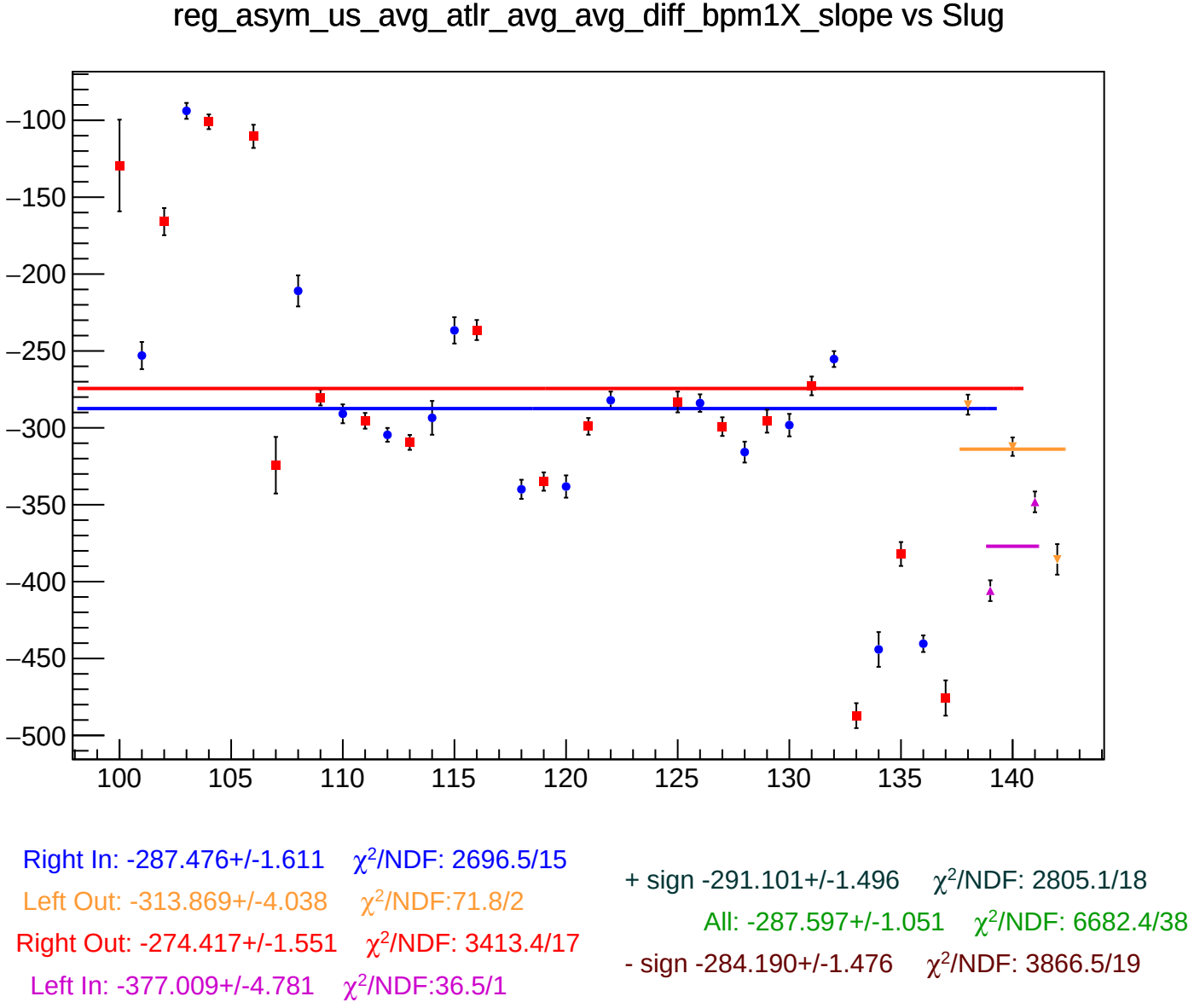
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

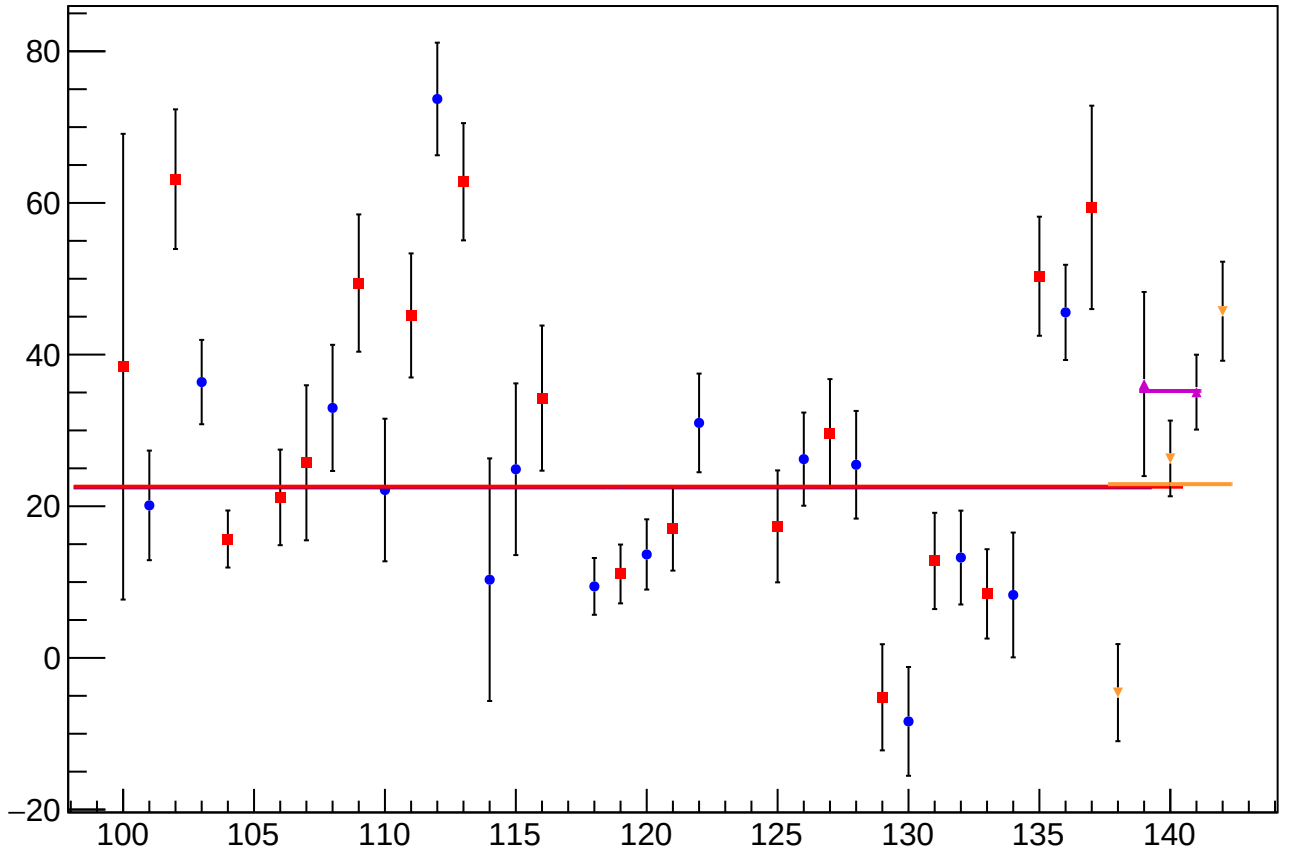
Left In: 244.756+/-0.218 χ^2/NDF:1376.1/1

+ sign 210.101+/-0.106 χ^2/NDF: 228687.3/18

All: 188.584+/-0.072 χ^2/NDF: 953963.7/38

- sign 170.076+/-0.098 χ^2/NDF: 648596.4/19


reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug
−100
−150
−200
−250
−300
−350
−400
−450
−500
100
105
110
115
120
125
130
135
140
Right In: -287.476+/-1.611 χ²/NDF: 2696.5/15
Left Out: -313.869+/-4.038 χ²/NDF:71.8/2
Right Out: -274.417+/-1.551 χ²/NDF: 3413.4/17
Left In: -377.009+/-4.781 χ²/NDF:36.5/1
+ sign -291.101+/-1.496 χ²/NDF: 2805.1/18
All: -287.597+/-1.051 χ²/NDF: 6682.4/38
- sign -284.190+/-1.476 χ²/NDF: 3866.5/19



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 22.915+/-3.372 χ^2/NDF:31.1/2

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

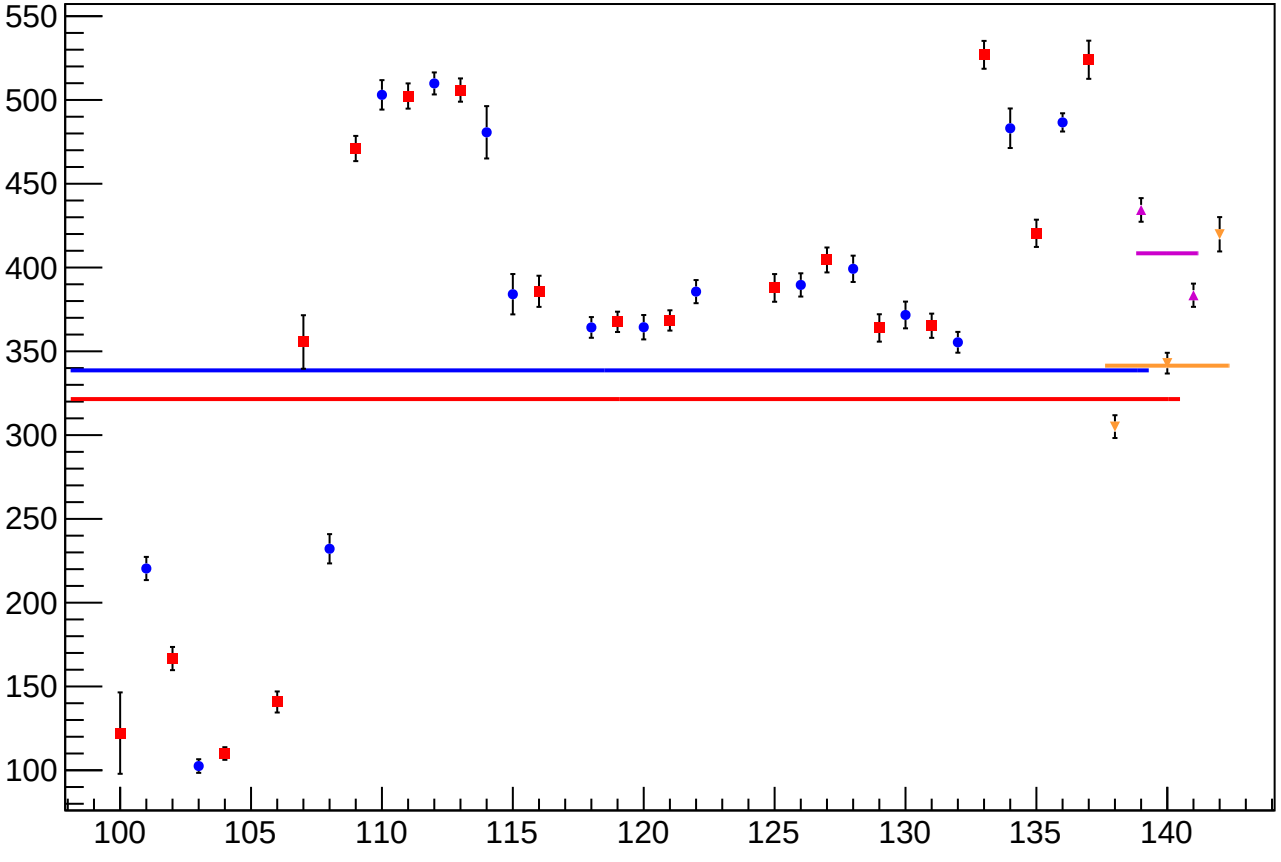
Left In: 35.200+/-4.574 χ^2/NDF:0.0/1

\+ sign 22.572+/-1.461 χ^2/NDF: 142.5/18

All: 23.230+/-1.041 χ^2/NDF: 273.1/38

\- sign 23.910+/-1.485 χ^2/NDF: 130.2/19

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: 341.439+/-4.177 χ^2/NDF:87.2/2

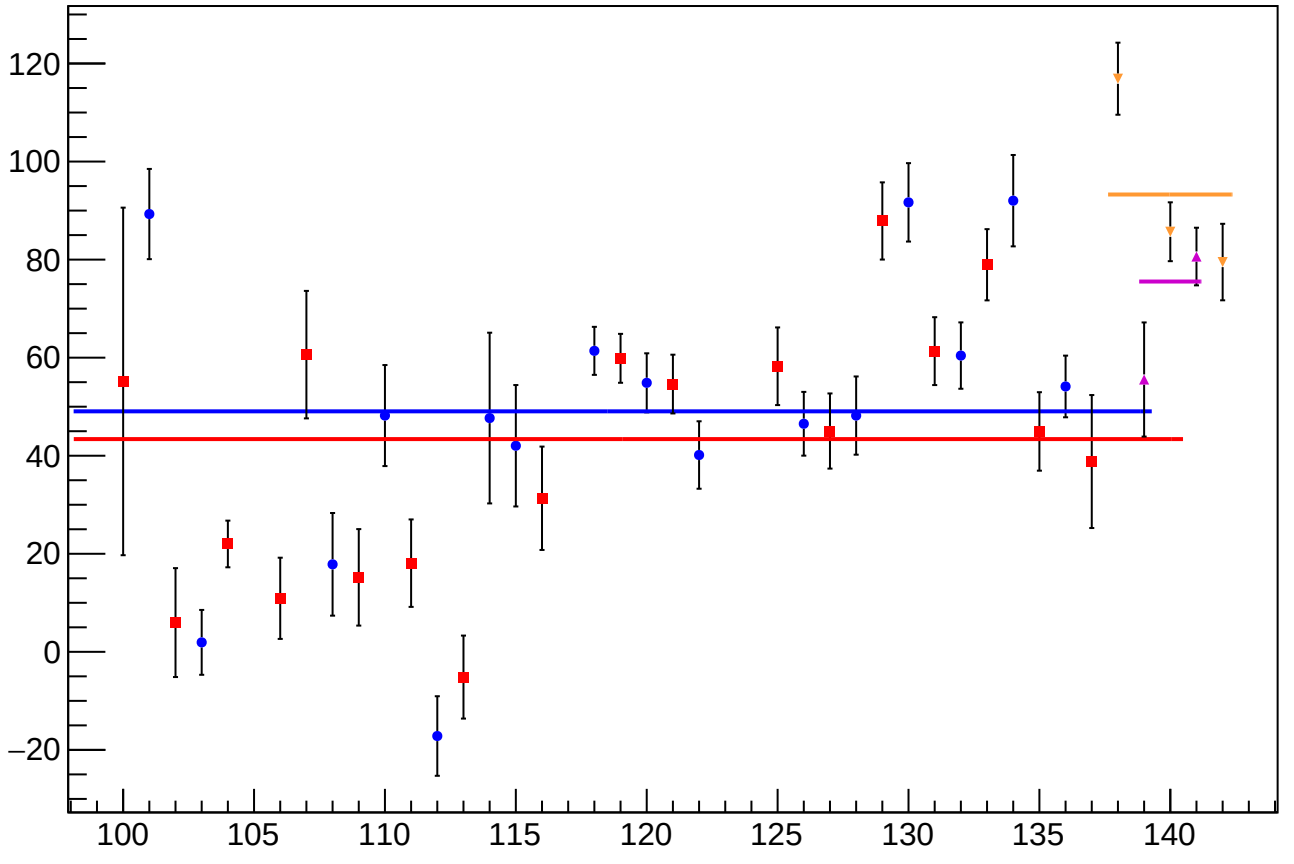
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 408.485+/-4.944 χ^2/NDF:26.5/1

+ sign 339.051+/-1.613 χ^2/NDF: 6130.2/18

All: 334.819+/-1.137 χ^2/NDF: 14168.2/38

- sign 330.640+/-1.603 χ^2/NDF: 8024.3/19



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 93.280+/-3.994 χ^2/NDF:15.0/2

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

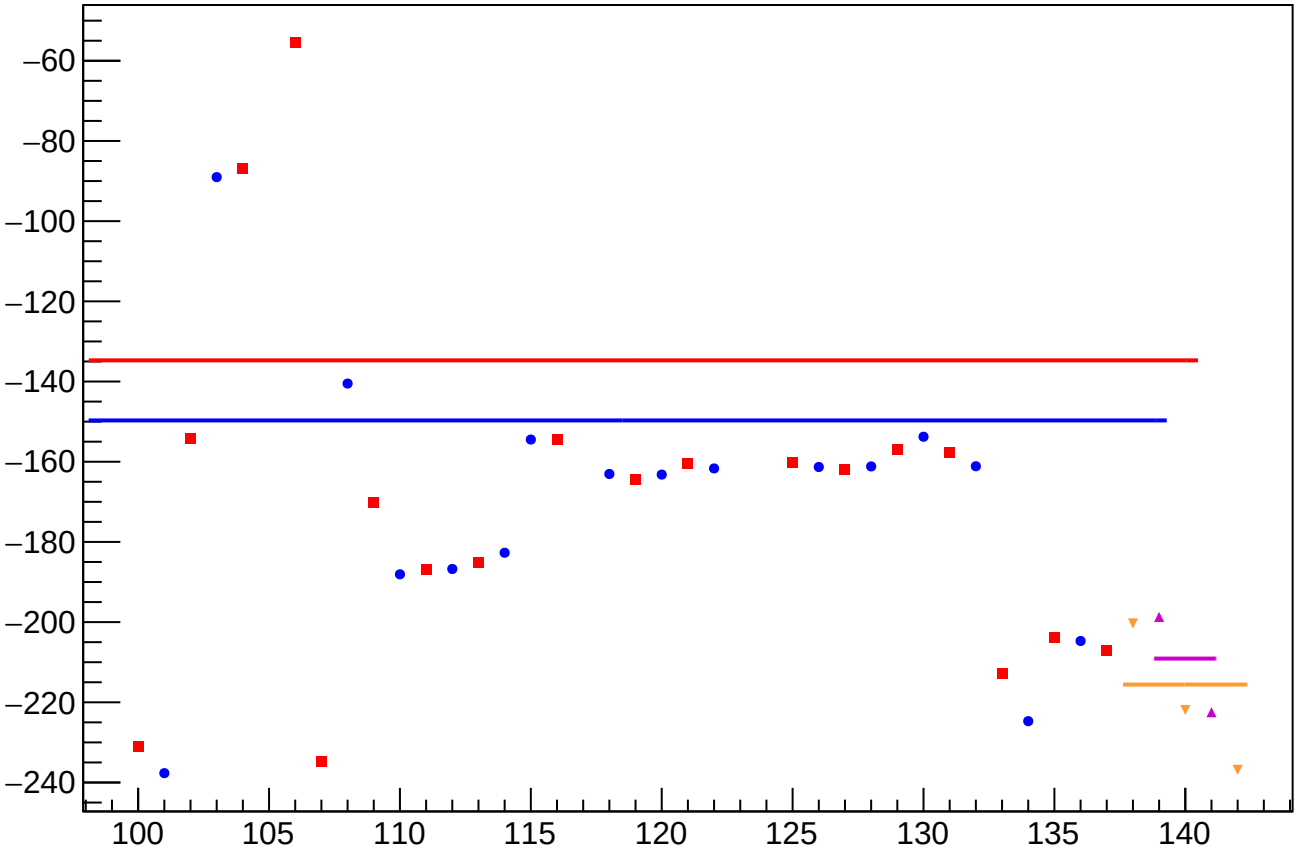
Left In: 75.530+/-5.247 χ^2/NDF:3.7/1

+ sign 57.093+/-1.703 χ^2/NDF: 323.3/18

All: 52.076+/-1.214 χ^2/NDF: 558.1/38

- sign 46.890+/-1.731 χ^2/NDF: 217.1/19

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -215.571+/-0.176 χ^2/NDF:6190.0/2

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

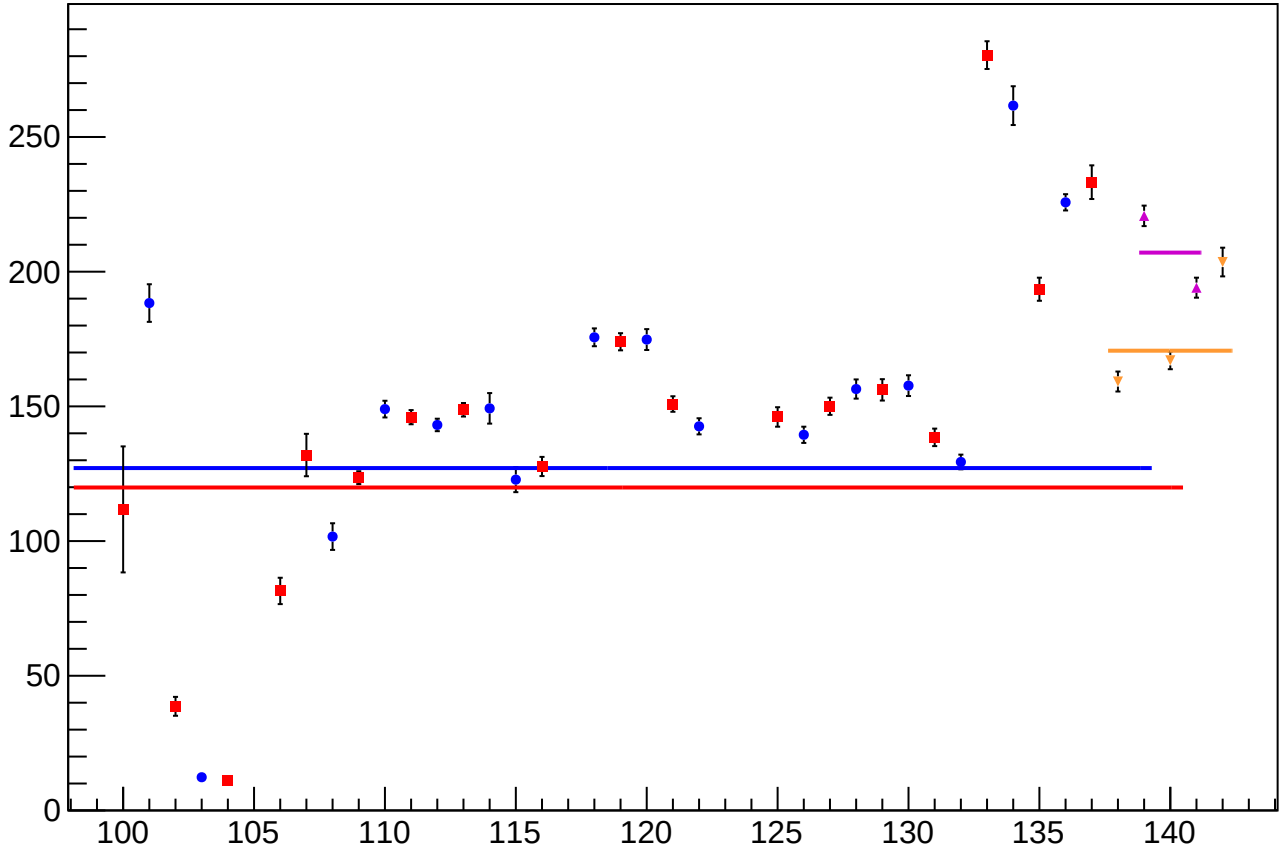
Left In: -209.093+/-0.188 χ^2/NDF:3925.7/1

+ sign -165.919+/-0.088 χ^2/NDF: 367784.9/18

All: -158.002+/-0.061 χ^2/NDF: 823841.5/38

- sign -150.320+/-0.086 χ^2/NDF: 439937.8/19

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 170.669+/-2.238 χ^2/NDF:48.9/2

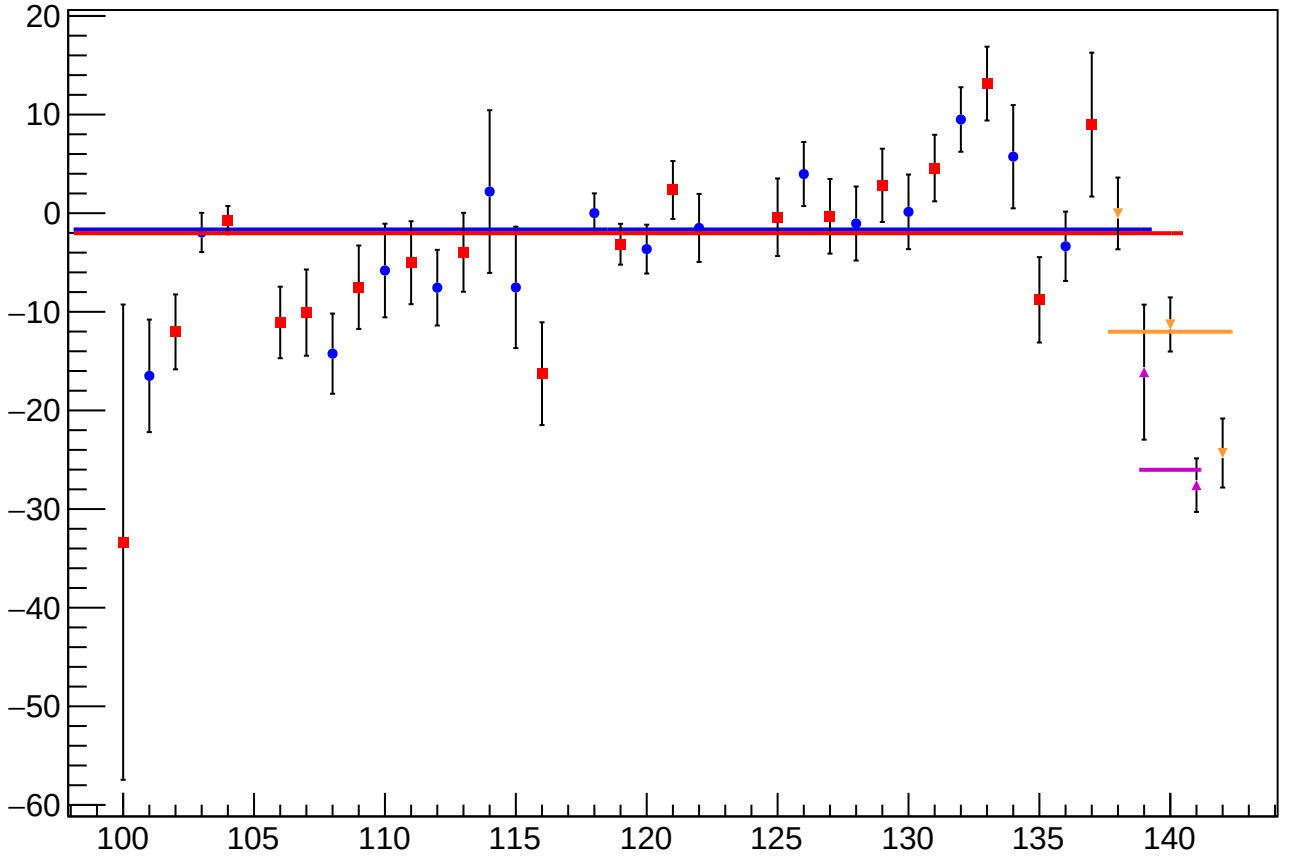
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.081+/-2.658 χ^2/NDF:25.1/1

+ sign 132.155+/-0.762 χ^2/NDF: 6547.1/18

All: 129.361+/-0.532 χ^2/NDF: 14239.9/38

- sign 126.705+/-0.743 χ^2/NDF: 7666.6/19



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -12.018+/-1.857 χ^2/NDF:23.3/2

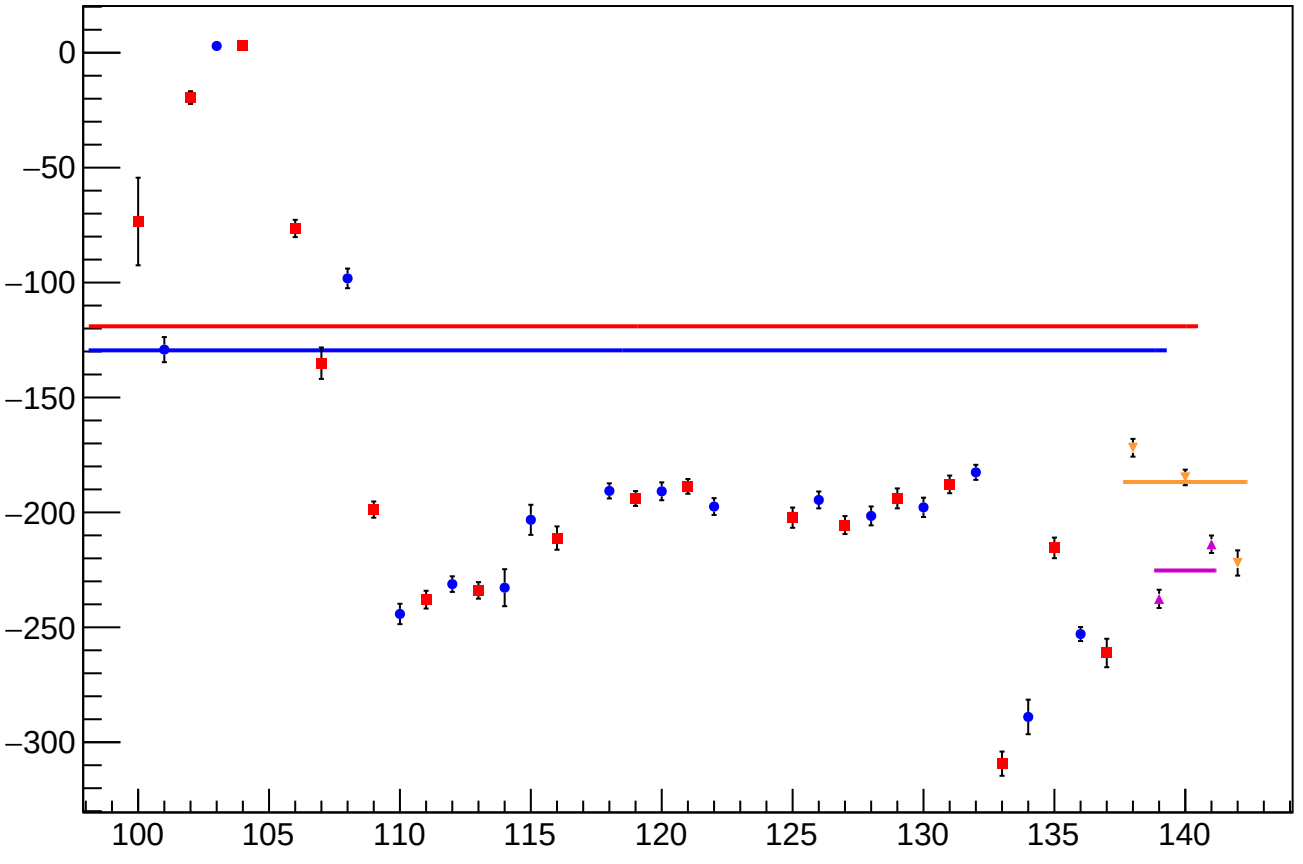
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -26.018+/-2.524 χ^2/NDF:2.4/1

+ sign -3.387+/-0.760 χ^2/NDF: 88.3/18

All: -3.740+/-0.529 χ^2/NDF: 232.4/38

- sign -4.071+/-0.737 χ^2/NDF: 143.7/19



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -186.770+/-2.314 χ^2/NDF:56.3/2

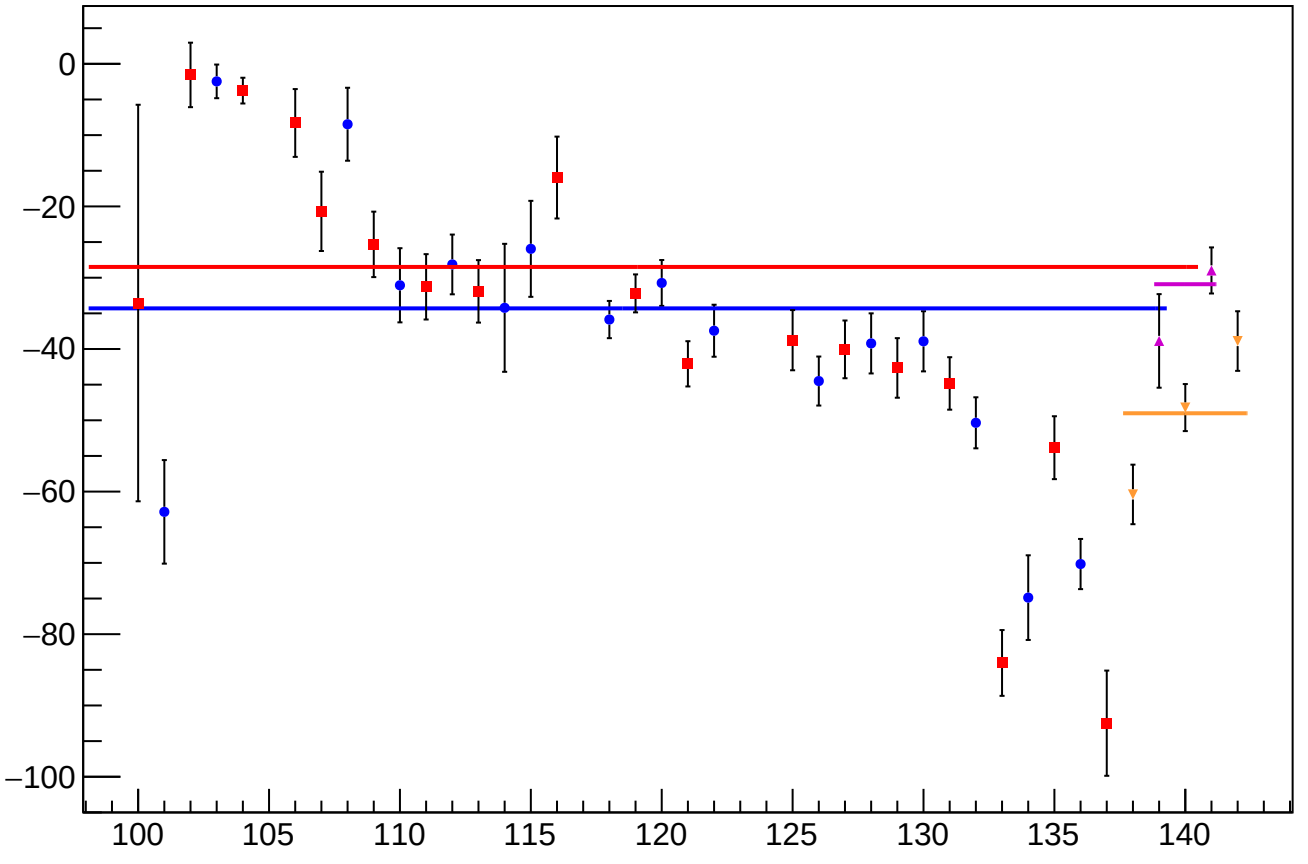
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -225.275+/-2.748 χ^2/NDF:18.7/1

\+ sign -136.254+/-0.795 χ^2/NDF: 15284.4/18

All: -131.826+/-0.557 χ^2/NDF: 32915.9/38

\- sign -127.570+/-0.779 χ^2/NDF: 17570.7/19



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -49.014+/-2.201 χ^2/NDF:13.4/2

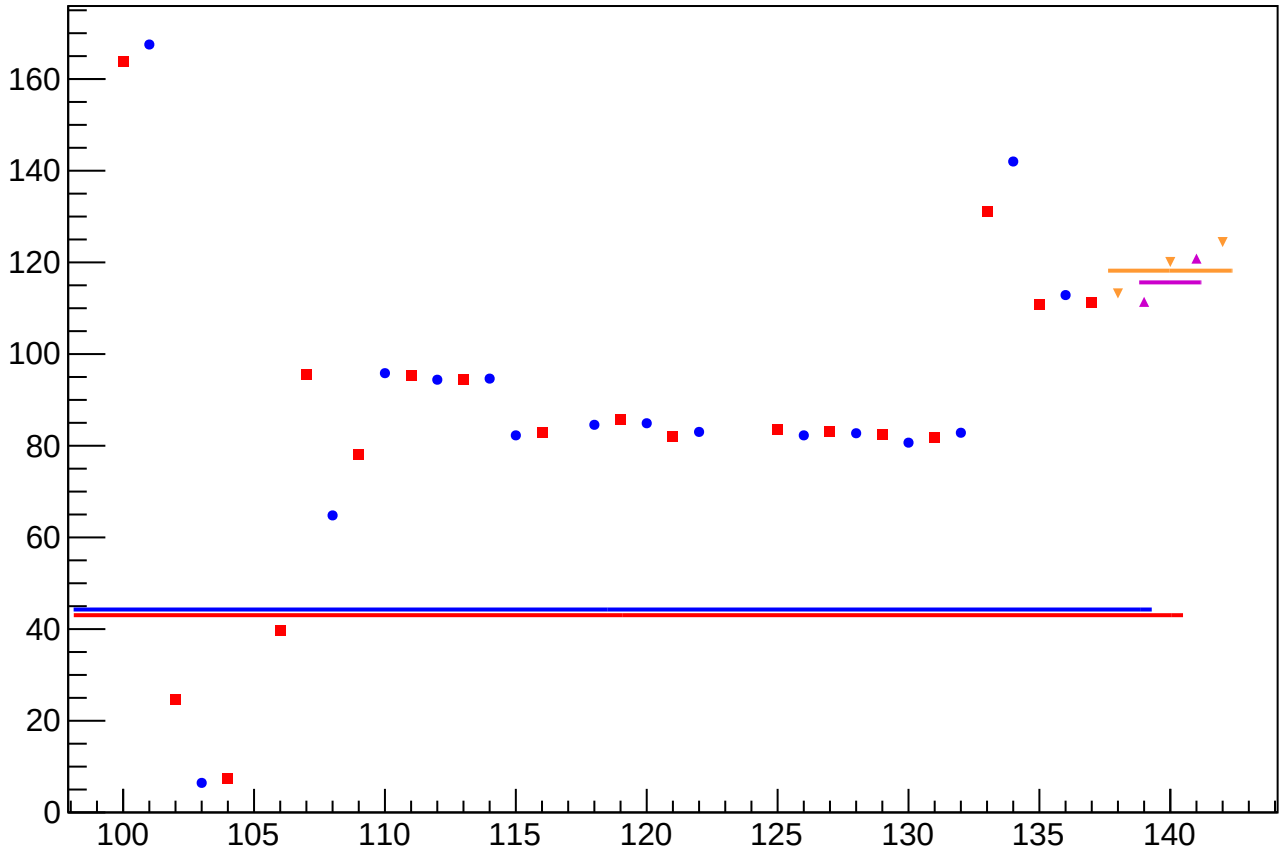
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -30.910+/-2.899 χ^2/NDF:1.8/1

+ sign -36.685+/-0.886 χ^2/NDF: 462.1/18

All: -32.601+/-0.619 χ^2/NDF: 1074.1/38

- sign -28.704+/-0.866 χ^2/NDF: 570.5/19



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 118.196+/-0.098 χ^2/NDF:1939.4/2

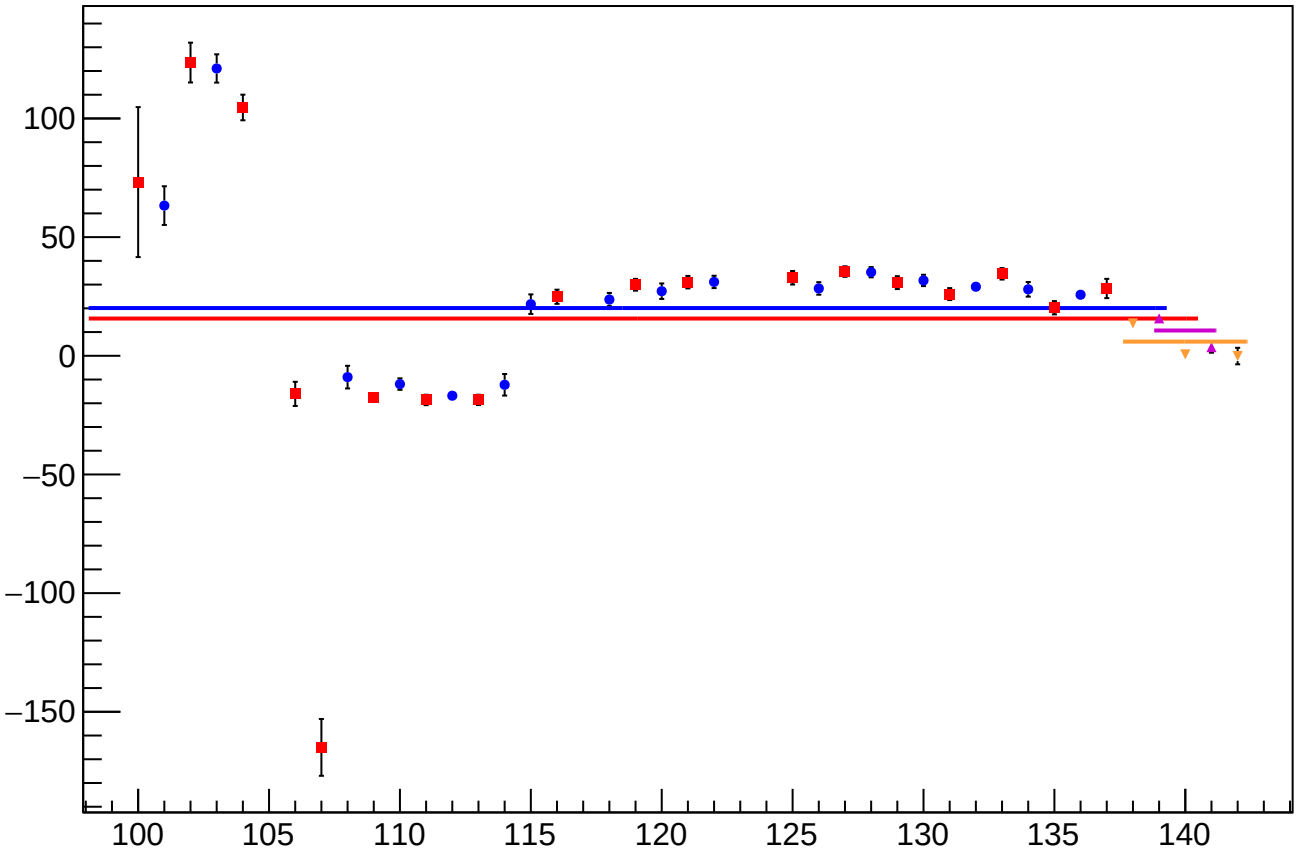
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 115.637+/-0.105 χ^2/NDF:2001.5/1

+ sign 57.158+/-0.041 χ^2/NDF: 1558572.3/18

All: 55.764+/-0.029 χ^2/NDF: 2772422.9/38

- sign 54.331+/-0.041 χ^2/NDF: 1211486.9/19



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.971+/-1.355 χ^2/NDF:23.4/2

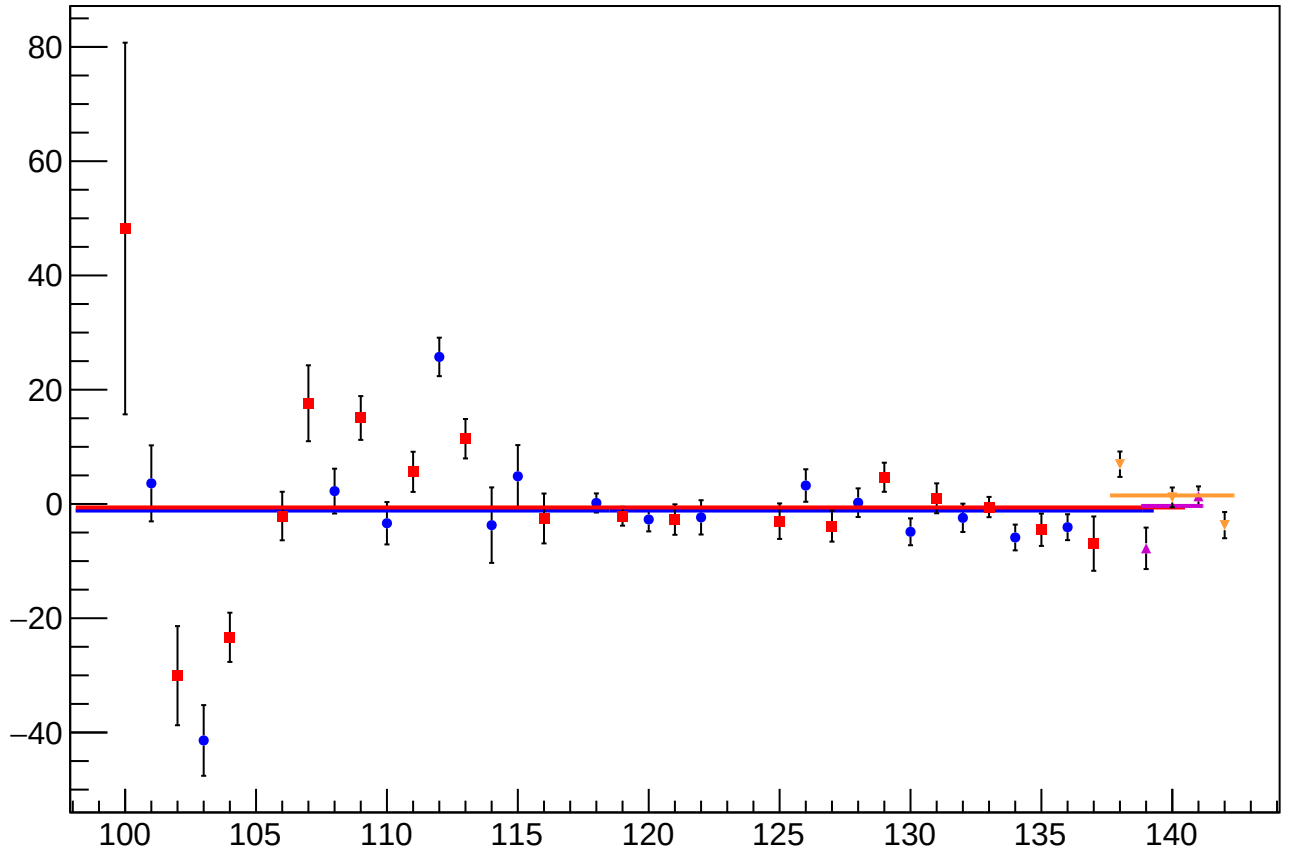
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 10.661+/-1.527 χ^2/NDF:15.4/1

\+ sign 17.223+/-0.613 χ^2/NDF: 1158.2/18

All: 16.062+/-0.437 χ^2/NDF: 2963.8/38

\- sign 14.862+/-0.623 χ^2/NDF: 1798.2/19



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 1.492+/-1.175 χ^2/NDF:11.2/2

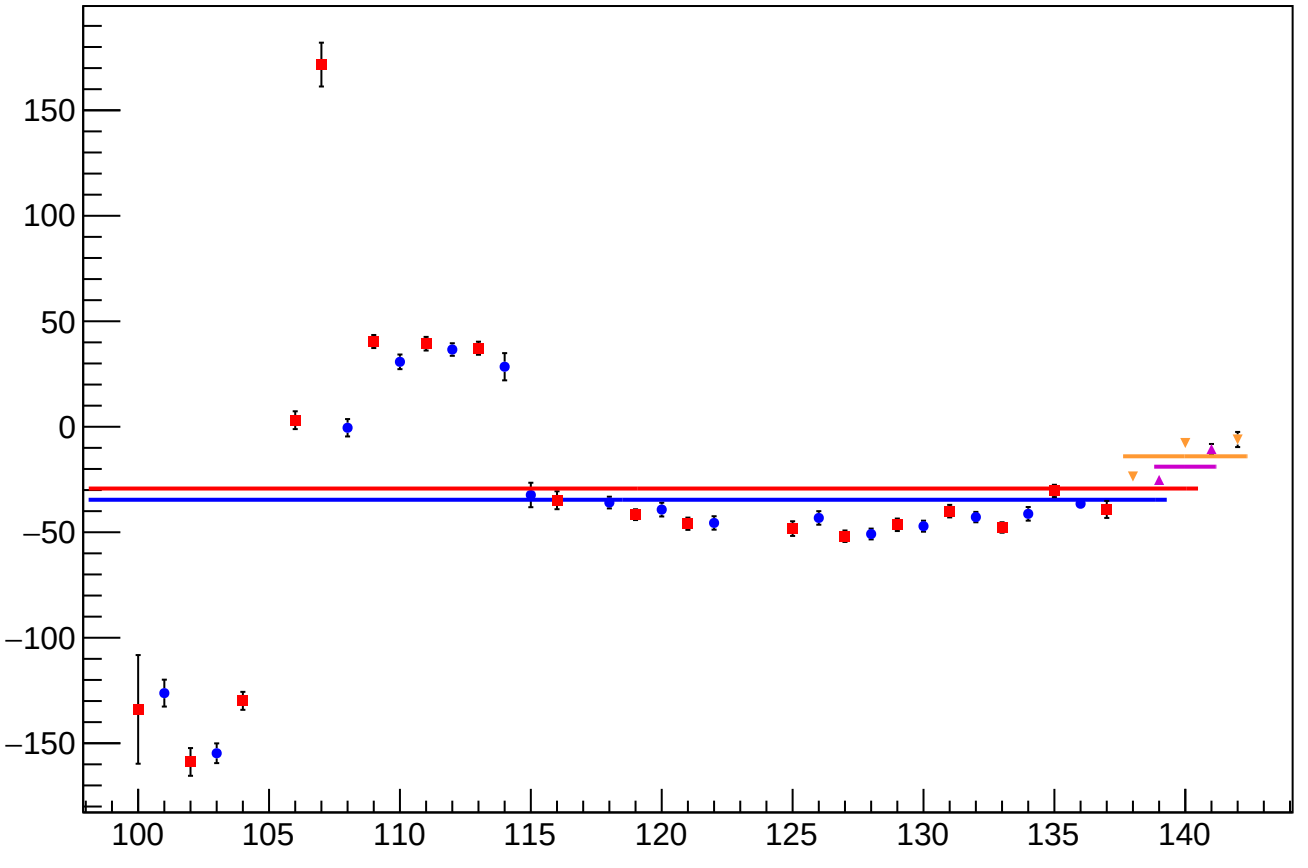
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.344+/-1.562 χ^2/NDF:5.1/1

+ sign -0.460+/-0.601 χ^2/NDF: 136.8/18

All: -0.510+/-0.441 χ^2/NDF: 235.3/38

- sign -0.568+/-0.649 χ^2/NDF: 98.5/19



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -14.001+/-1.403 χ^2/NDF:32.9/2

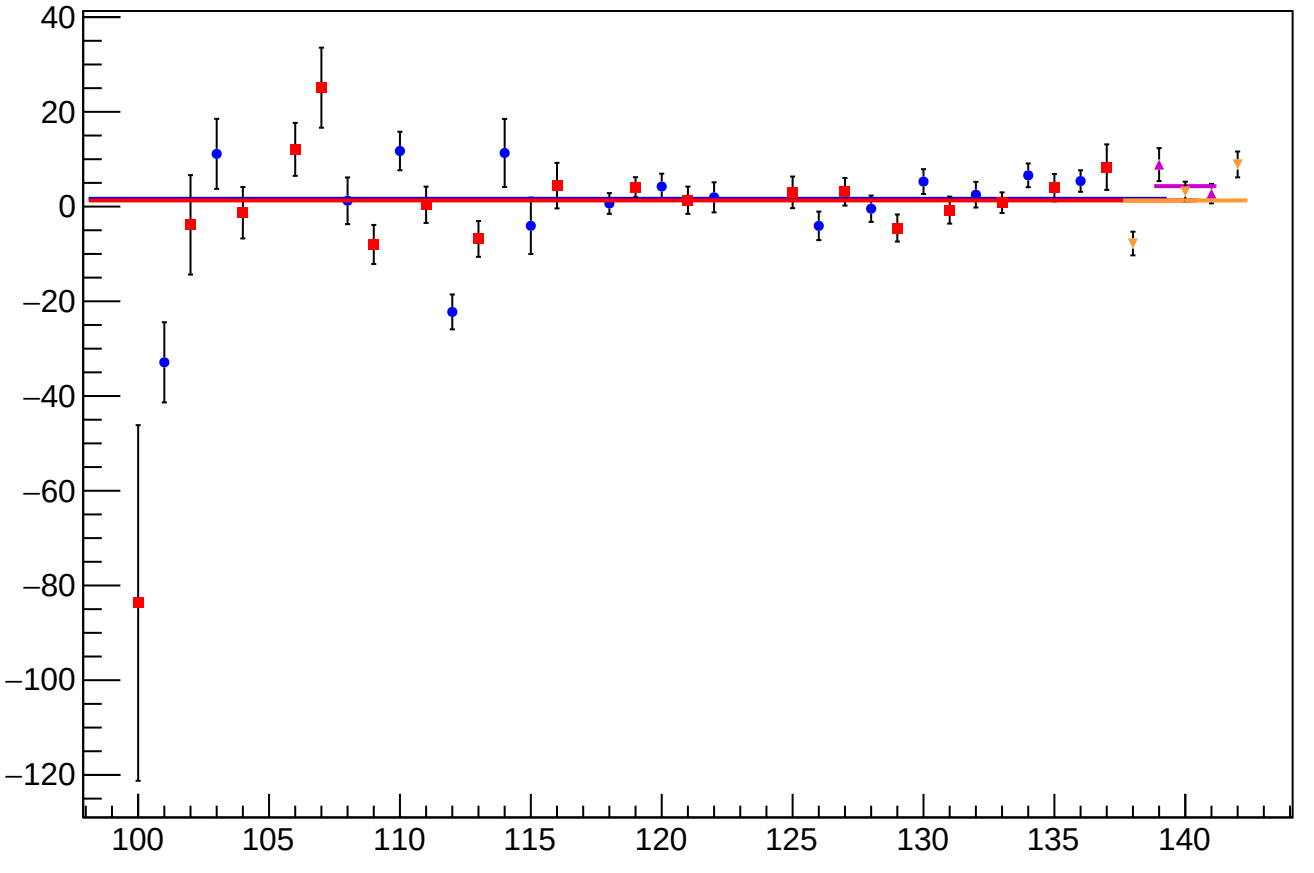
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -18.922+/-1.580 χ^2/NDF:21.0/1

+ sign -29.675+/-0.686 χ^2/NDF: 2255.4/18

All: -28.470+/-0.494 χ^2/NDF: 5398.1/38

- sign -27.166+/-0.714 χ^2/NDF: 3136.3/19



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 1.292+/-1.378 χ^2/NDF:21.9/2

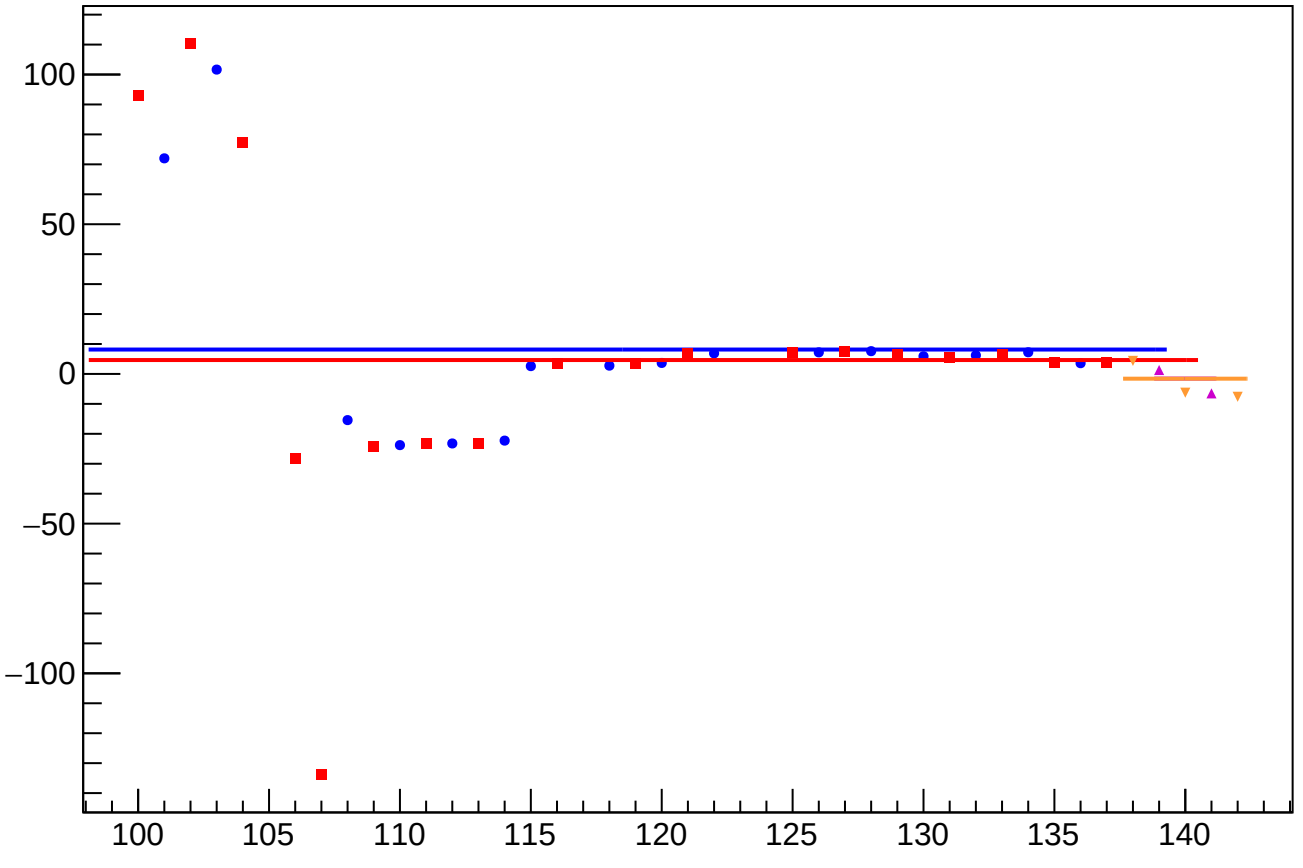
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.314+/-1.767 χ^2/NDF:2.3/1

+ sign 1.546+/-0.690 χ^2/NDF: 105.2/18

All: 1.677+/-0.505 χ^2/NDF: 147.5/38

- sign 1.829+/-0.741 χ^2/NDF: 42.2/19



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.588+/-0.058 χ^2/NDF:8978.6/2

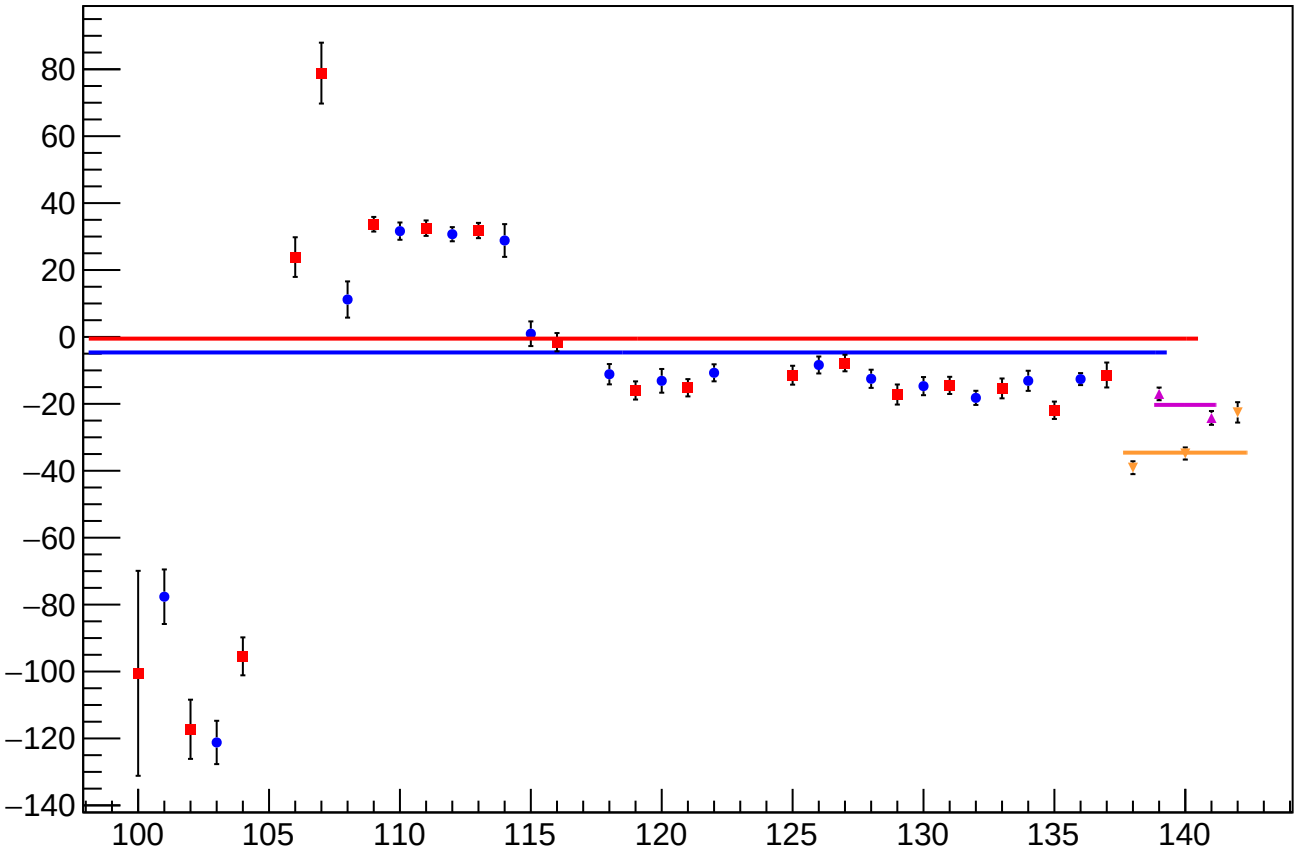
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.559+/-0.059 χ^2/NDF:3994.3/1

+ sign 4.166+/-0.037 χ^2/NDF: 338884.8/18

All: 3.122+/-0.027 χ^2/NDF: 797524.6/38

- sign 1.973+/-0.039 χ^2/NDF: 456983.7/19



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -34.582+/-1.212 χ^2/NDF:21.1/2

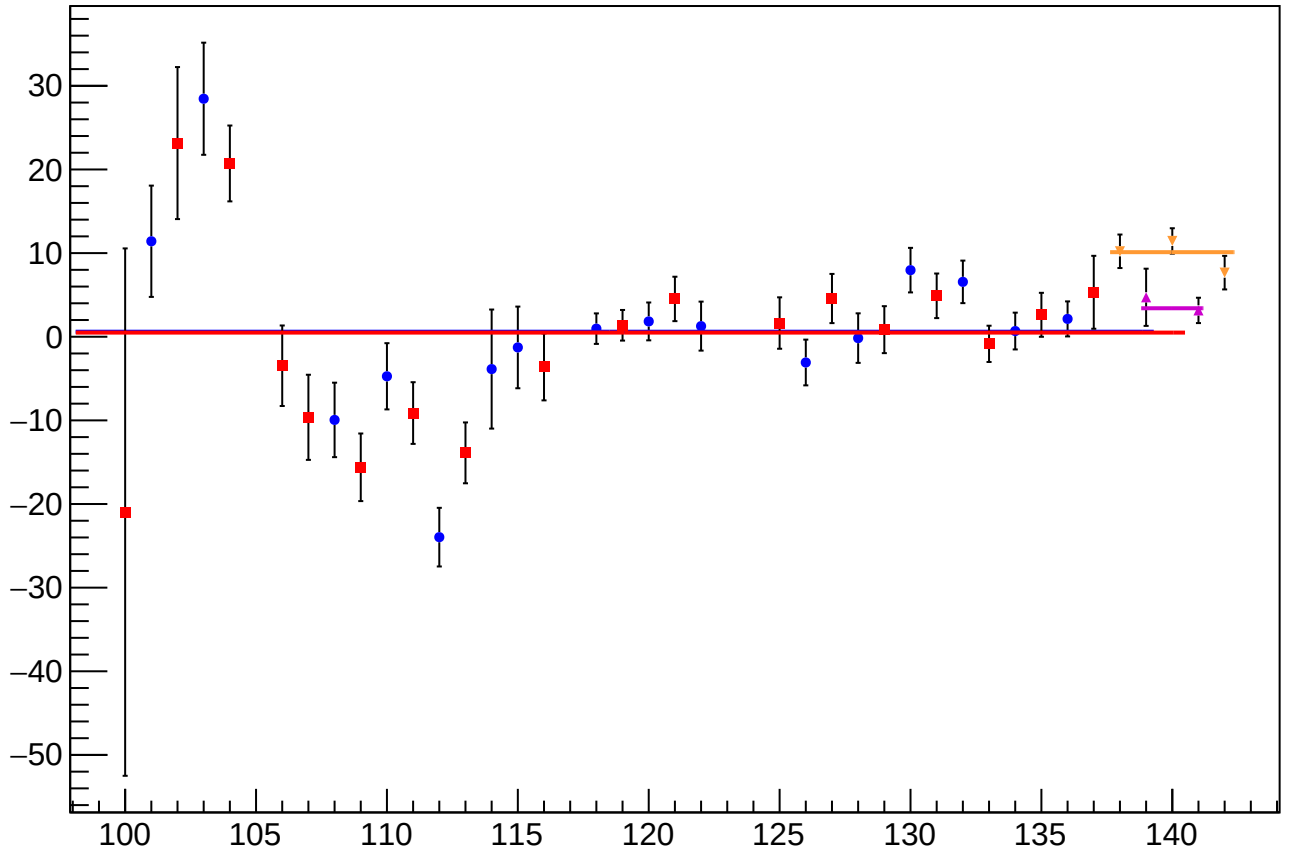
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -20.307+/-1.395 χ^2/NDF:6.6/1

+ sign -12.317+/-0.614 χ^2/NDF: 1521.3/18

All: -8.575+/-0.441 χ^2/NDF: 3222.5/38

- sign -4.588+/-0.633 χ^2/NDF: 1624.4/19



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 10.113+/-1.036 χ^2/NDF:2.3/2

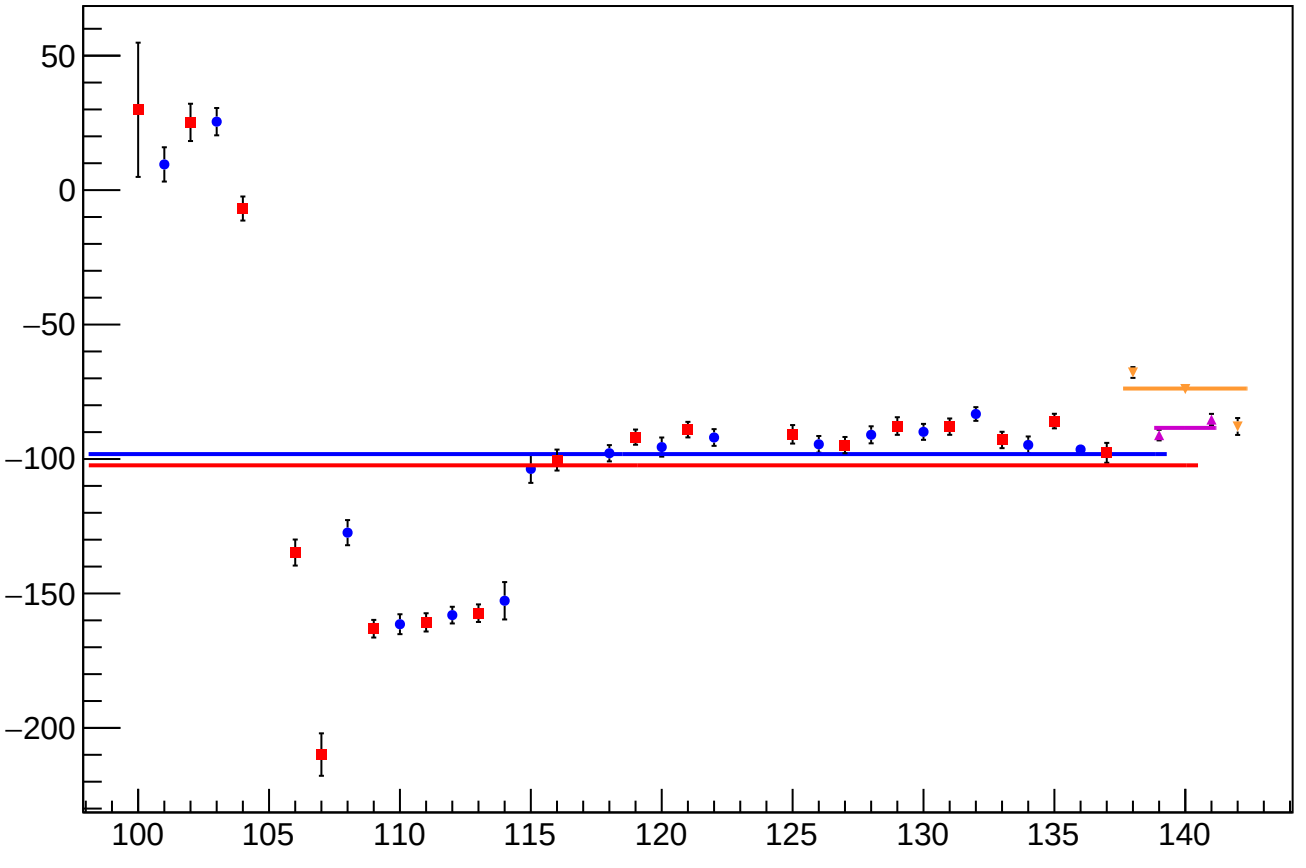
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 3.406+/-1.385 χ^2/NDF:0.2/1

+ sign 3.739+/-0.595 χ^2/NDF: 151.6/18

All: 2.589+/-0.443 χ^2/NDF: 243.7/38

- sign 1.162+/-0.663 χ^2/NDF: 83.7/19



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -73.793+/-1.254 χ^2/NDF:29.0/2

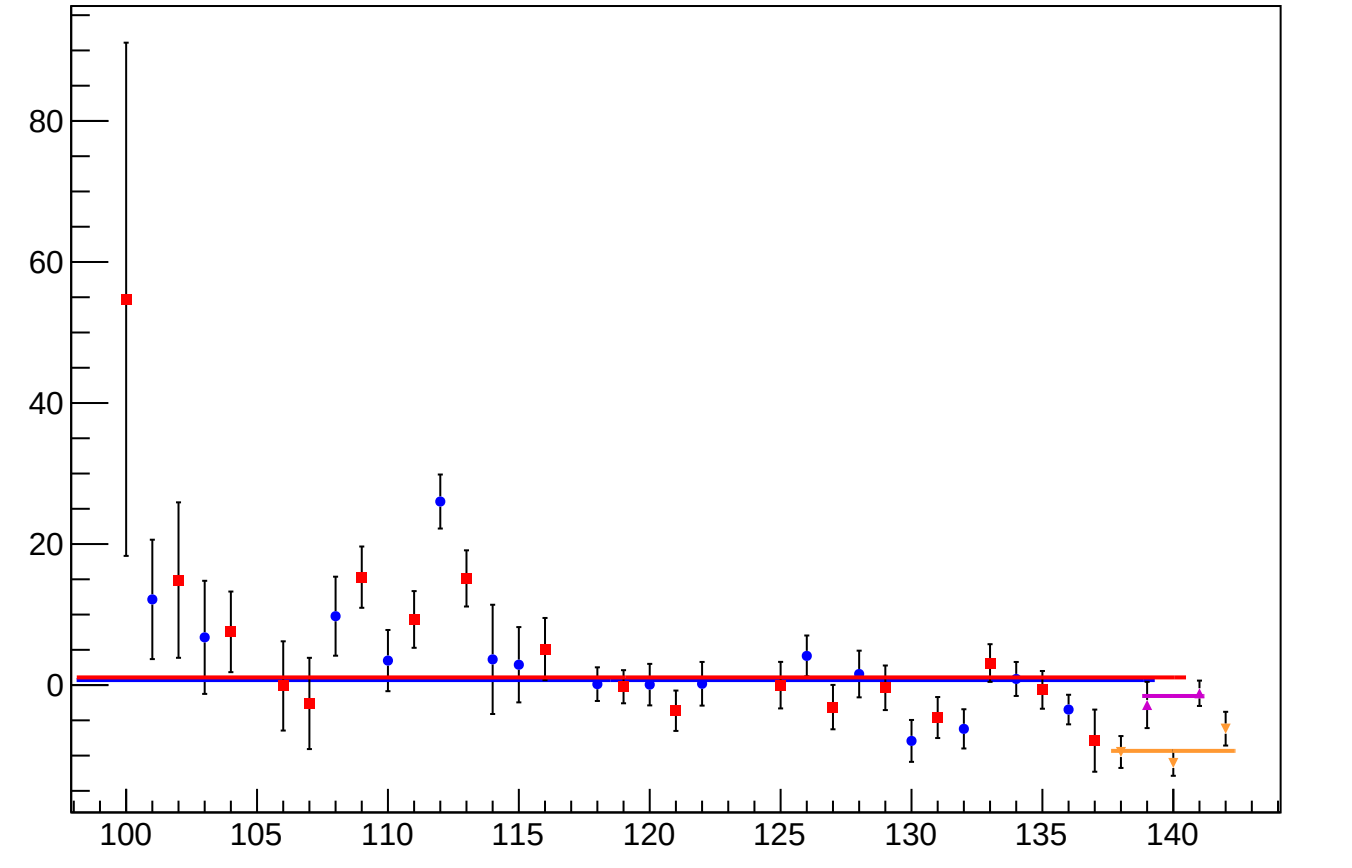
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.423+/-1.443 χ^2/NDF:4.0/1

+ sign -90.960+/-0.682 χ^2/NDF: 1994.9/18

All: -94.667+/-0.496 χ^2/NDF: 4249.0/38

- sign -98.843+/-0.724 χ^2/NDF: 2191.2/19



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -9.331+/-1.219 χ^2/NDF:2.6/2

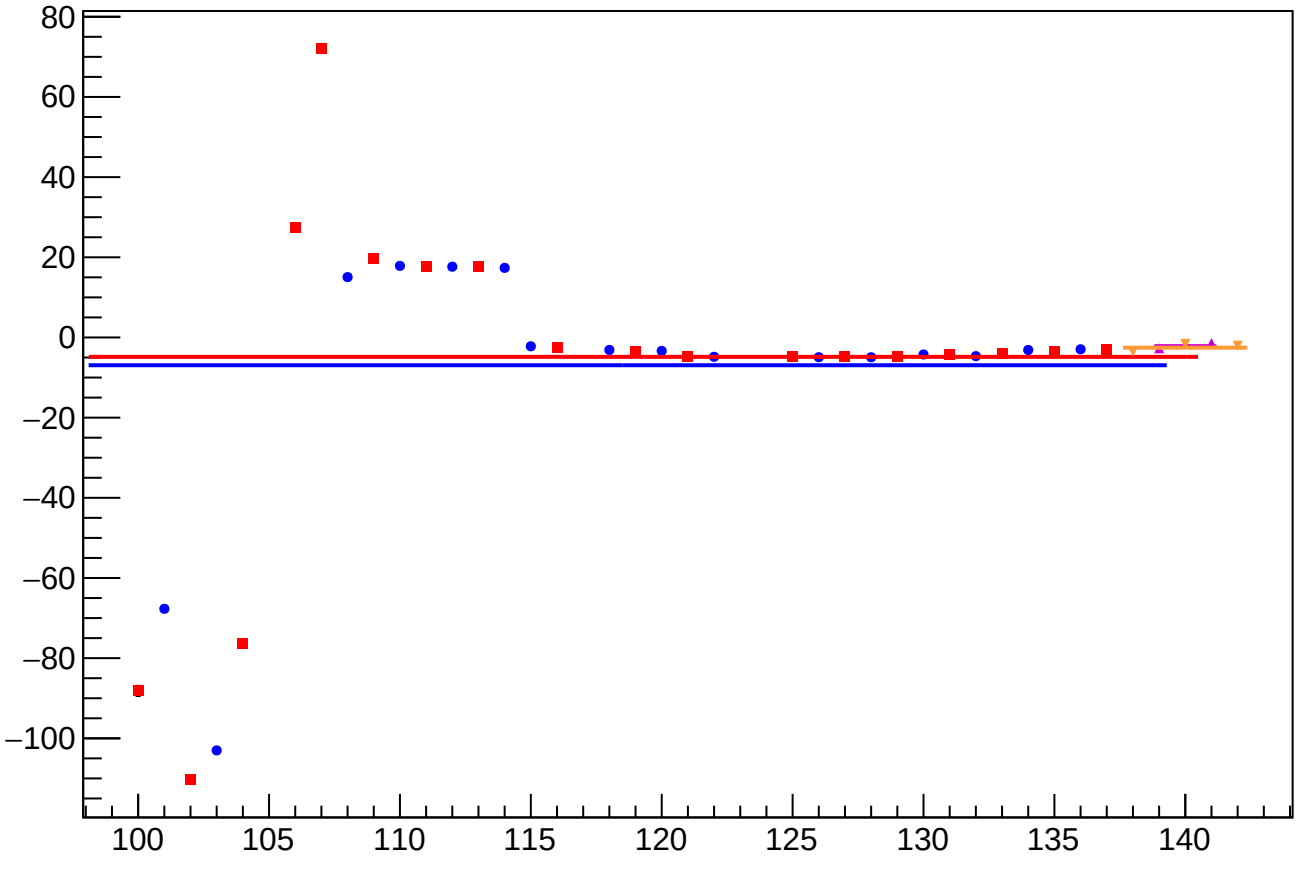
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.545+/-1.576 χ^2/NDF:0.2/1

+ sign -2.425+/-0.681 χ^2/NDF: 118.9/18

All: -1.113+/-0.505 χ^2/NDF: 177.2/38

- sign 0.488+/-0.753 χ^2/NDF: 50.0/19



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -2.545+/-0.052 χ^2/NDF:306.0/2

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

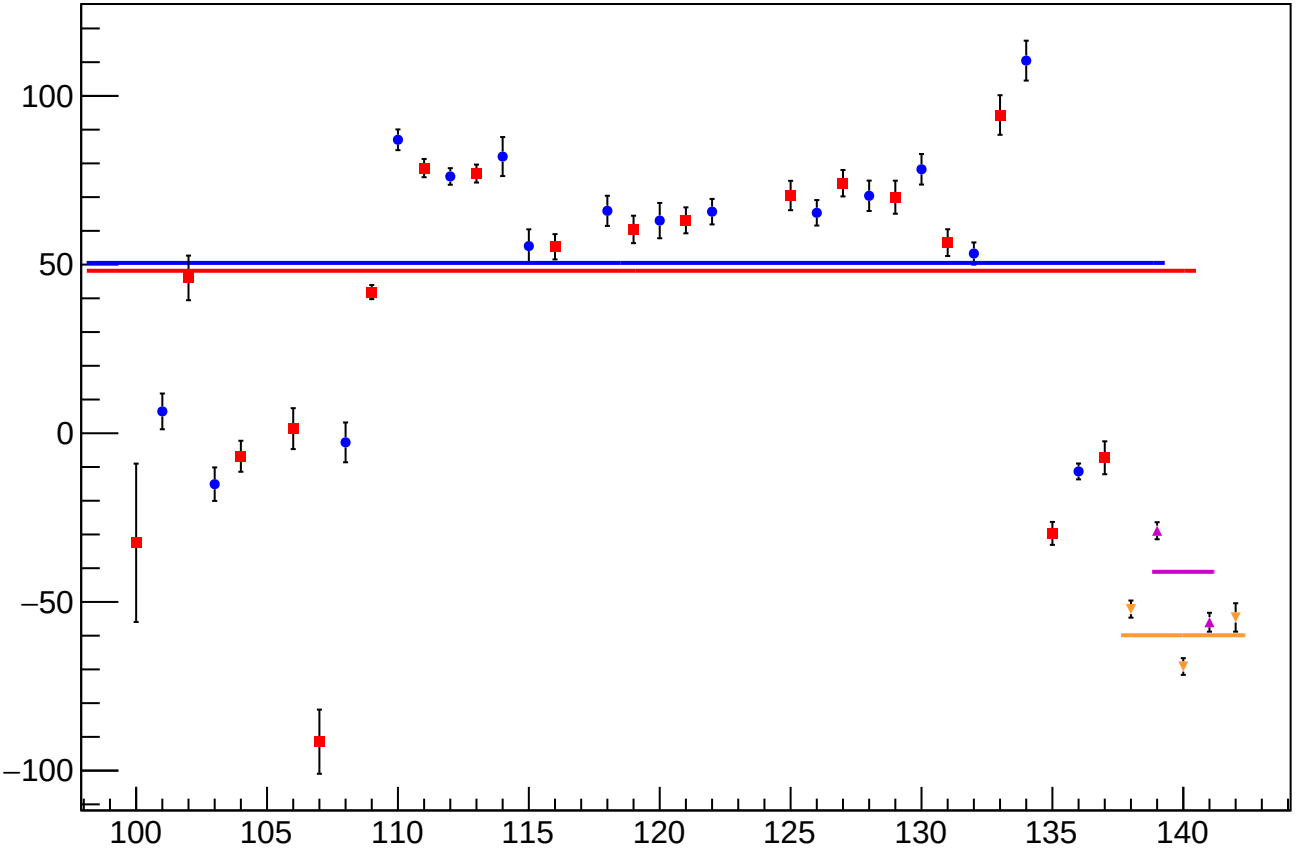
Left In: -2.163+/-0.055 χ^2/NDF:139.4/1

+ sign -4.899+/-0.036 χ^2/NDF: 269267.0/18

All: -4.264+/-0.026 χ^2/NDF: 610686.2/38

- sign -3.542+/-0.038 χ^2/NDF: 340738.7/19

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -59.881+/-1.635 χ^2/NDF:24.9/2

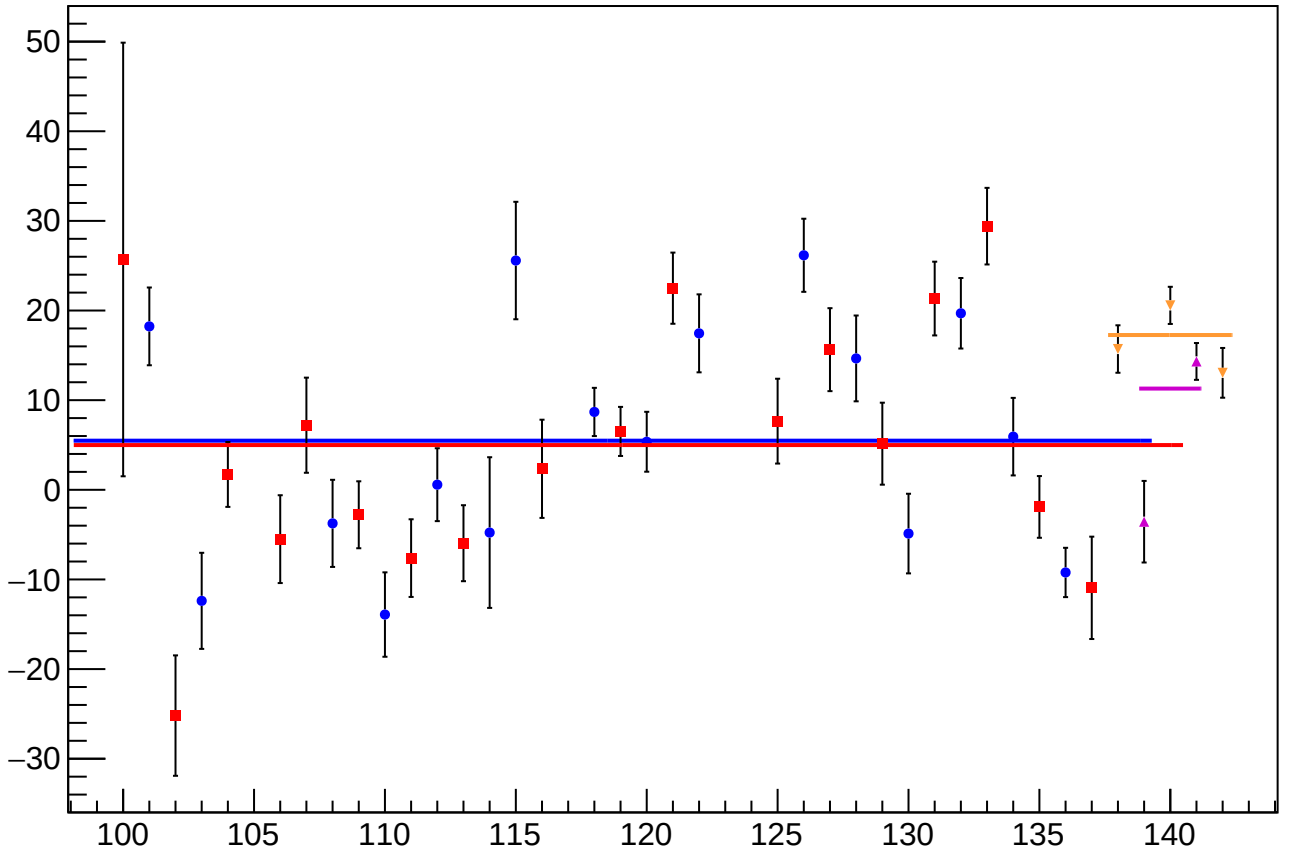
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -41.068+/-1.875 χ^2/NDF:51.8/1

\+ sign 21.963+/-0.831 χ^2/NDF: 4909.1/18

All: 26.545+/-0.584 χ^2/NDF: 8371.3/38

\- sign 31.022+/-0.822 χ^2/NDF: 3402.1/19



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 17.267+/-1.407 χ^2/NDF:5.2/2

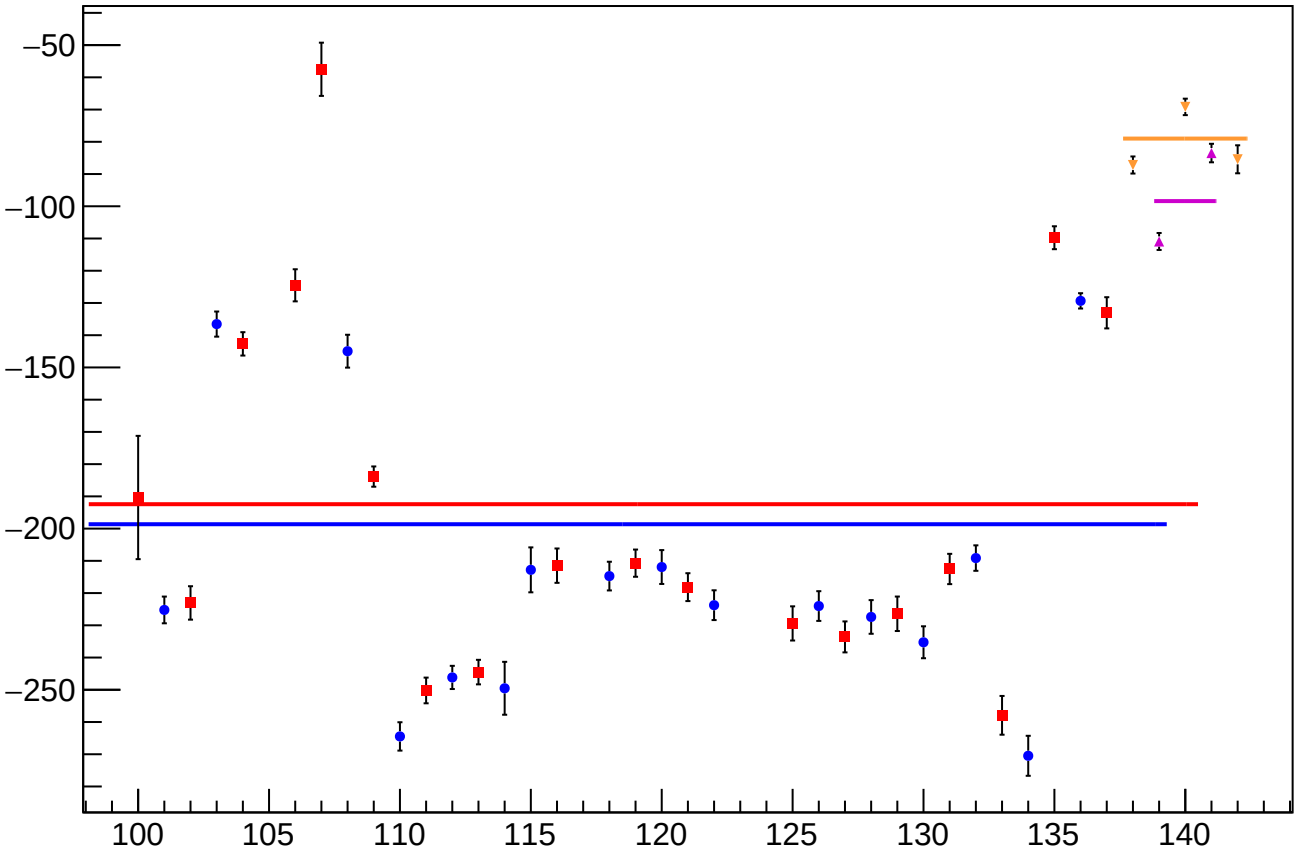
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 11.293+/-1.873 χ^2/NDF:12.8/1

+ sign 9.549+/-0.826 χ^2/NDF: 189.3/18

All: 8.122+/-0.608 χ^2/NDF: 349.2/38

- sign 6.439+/-0.897 χ^2/NDF: 153.4/19



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -79.000+/-1.692 χ^2/NDF:26.6/2

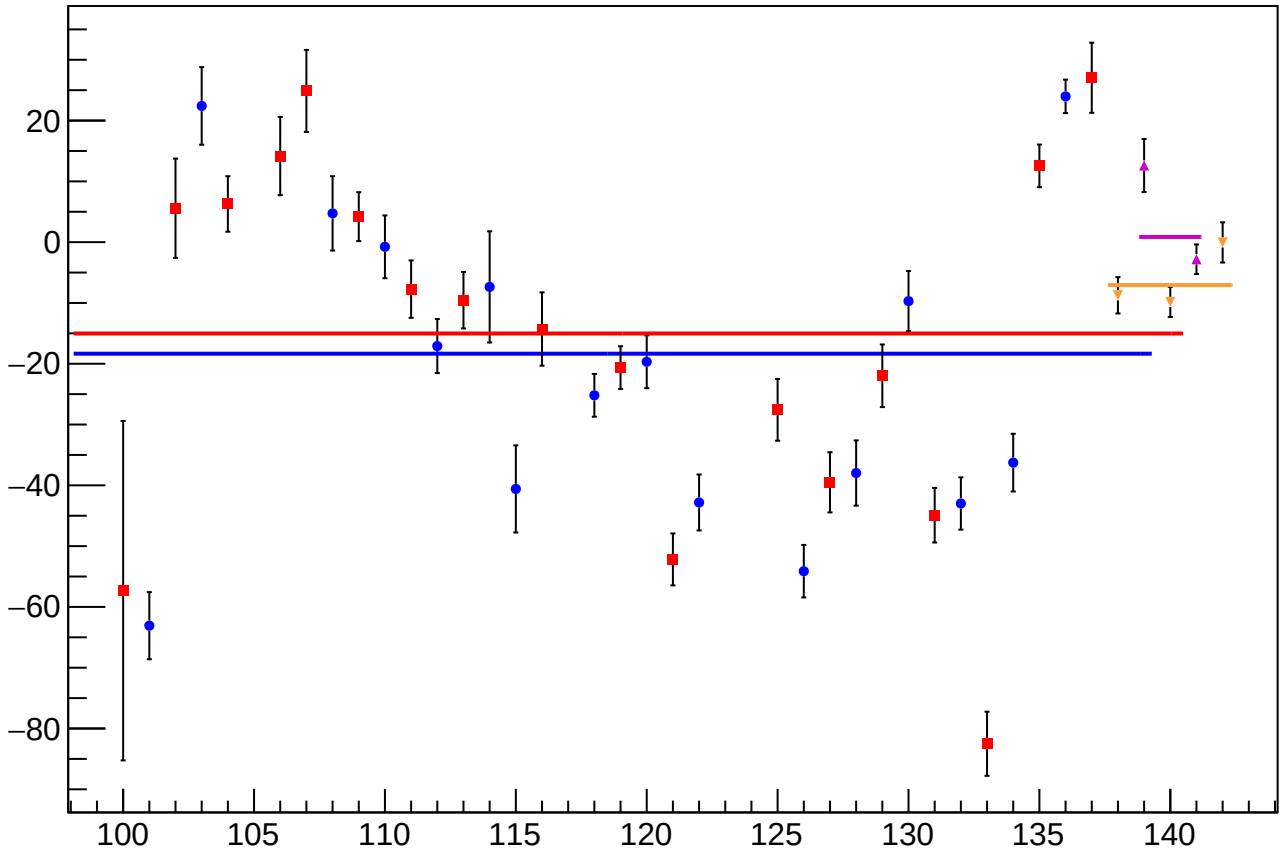
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.394+/-1.940 χ^2/NDF:49.6/1

+ sign -163.863+/-0.912 χ^2/NDF: 5573.8/18

All: -166.920+/-0.656 χ^2/NDF: 9579.4/38

- sign -170.188+/-0.943 χ^2/NDF: 3982.3/19



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -7.054+/-1.653 χ^2/NDF:6.1/2

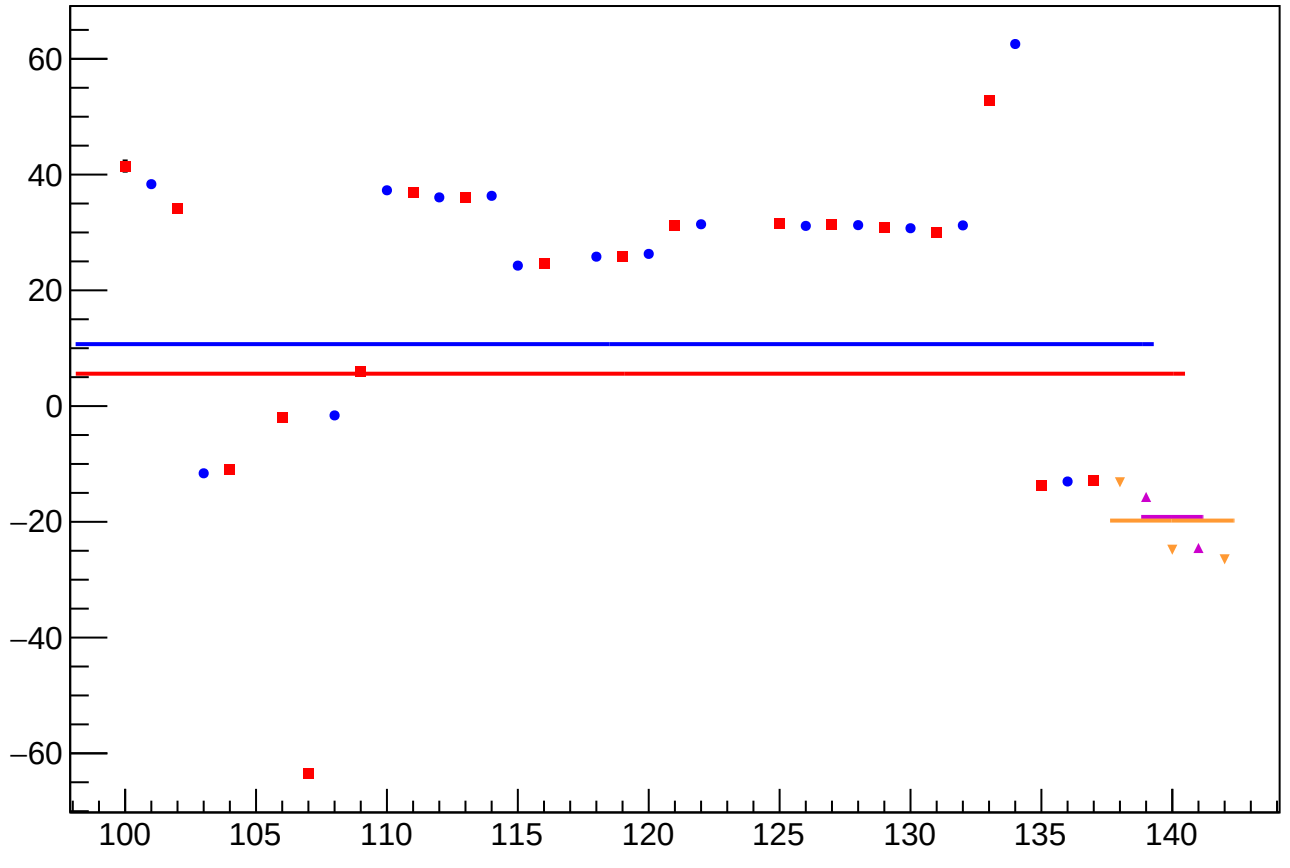
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 0.856+/-2.128 χ^2/NDF:9.5/1

+ sign -14.624+/-0.949 χ^2/NDF: 581.3/18

All: -13.116+/-0.695 χ^2/NDF: 1185.6/38

- sign -11.376+/-1.020 χ^2/NDF: 598.8/19



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.784+/-0.070 χ^2/NDF:7419.1/2

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

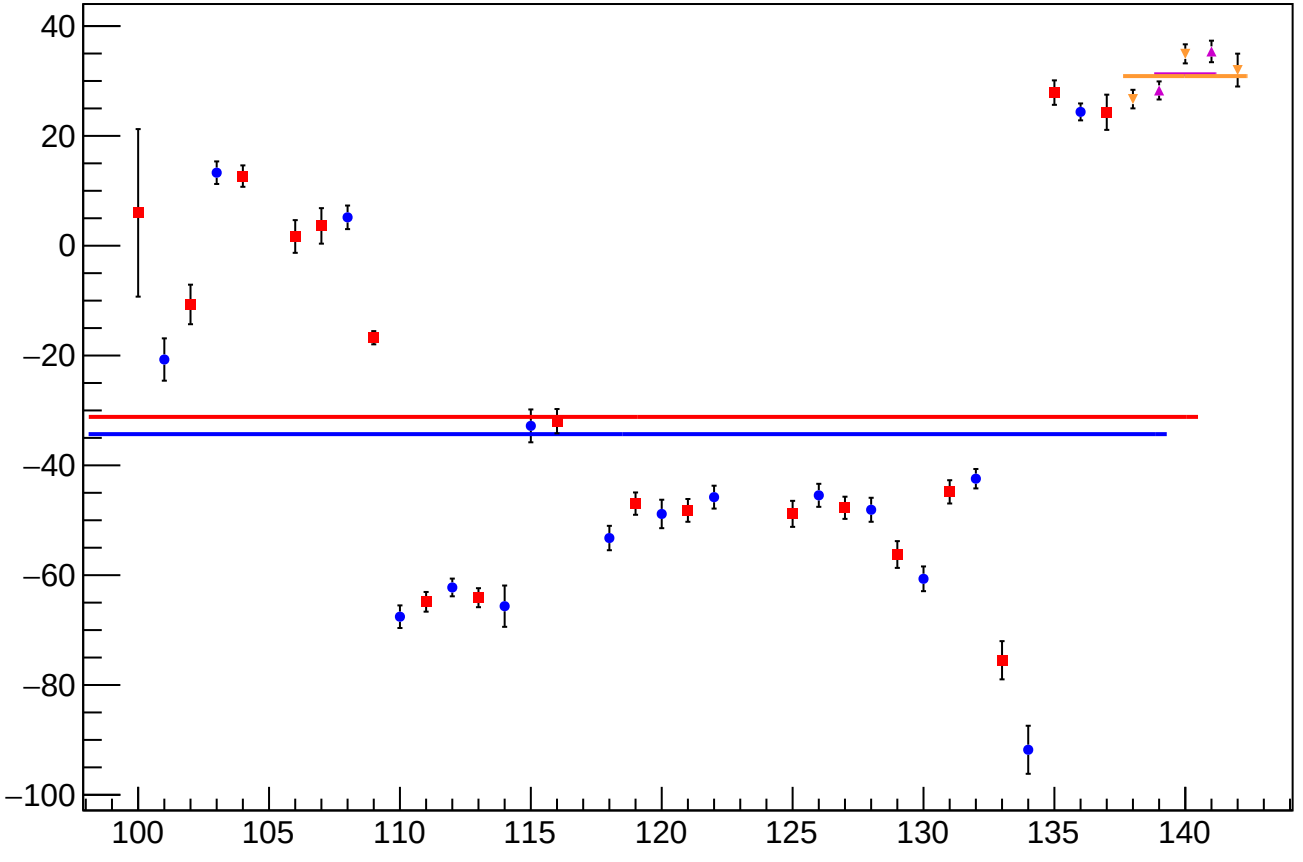
Left In: -19.153+/-0.073 χ^2/NDF:3456.8/1

\+ sign -2.827+/-0.047 χ^2/NDF: 276540.1/18

All: -3.914+/-0.034 χ^2/NDF: 501176.9/38

\- sign -5.053+/-0.048 χ^2/NDF: 223537.6/19

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: 30.889+/-1.123 χ^2/NDF:11.7/2

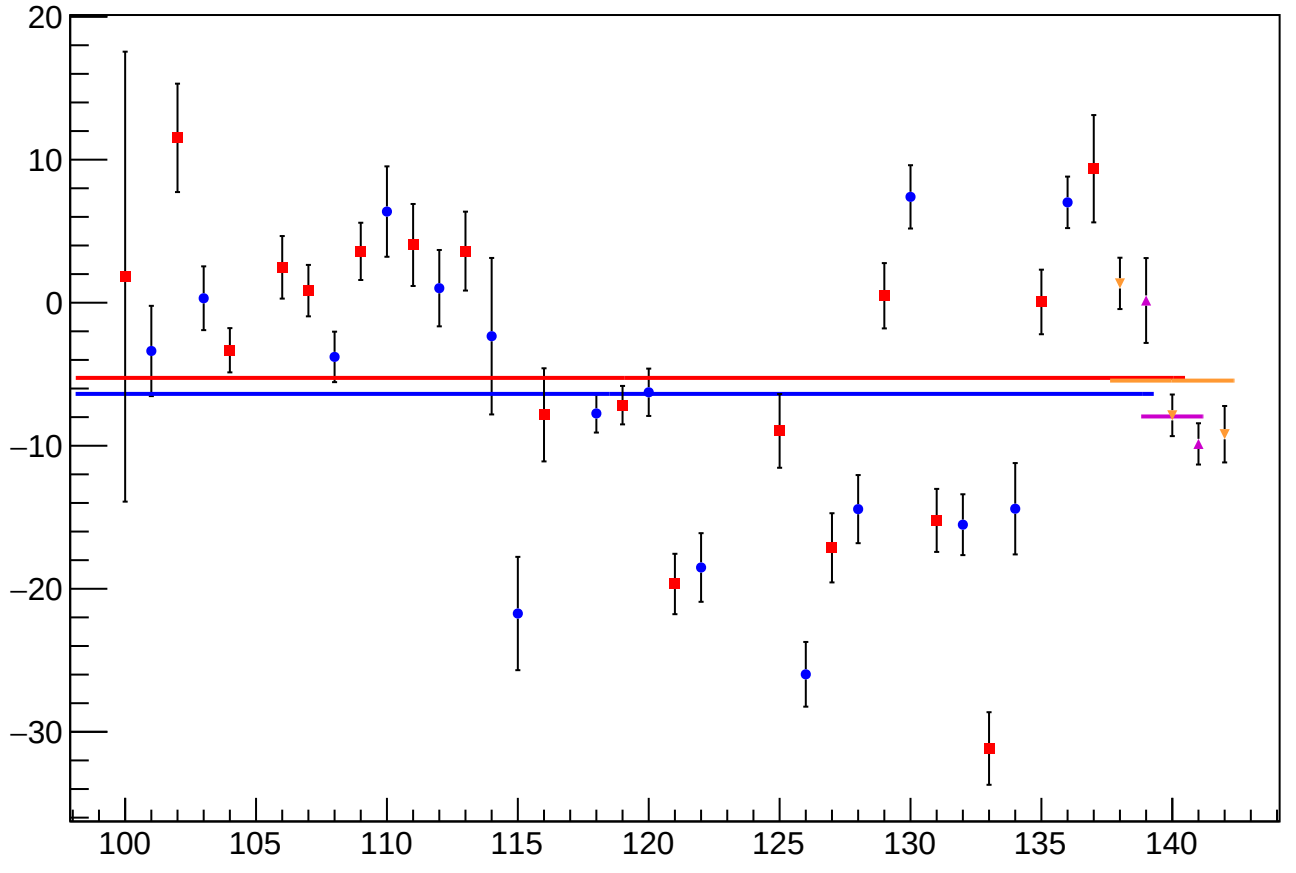
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 31.213+/-1.261 χ^2/NDF:7.7/1

\+ sign -21.780+/-0.492 χ^2/NDF: 6235.9/18

All: -22.013+/-0.343 χ^2/NDF: 11542.2/38

\- sign -22.232+/-0.477 χ^2/NDF: 5305.8/19



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -5.446+/-0.981 χ^2/NDF:20.7/2

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

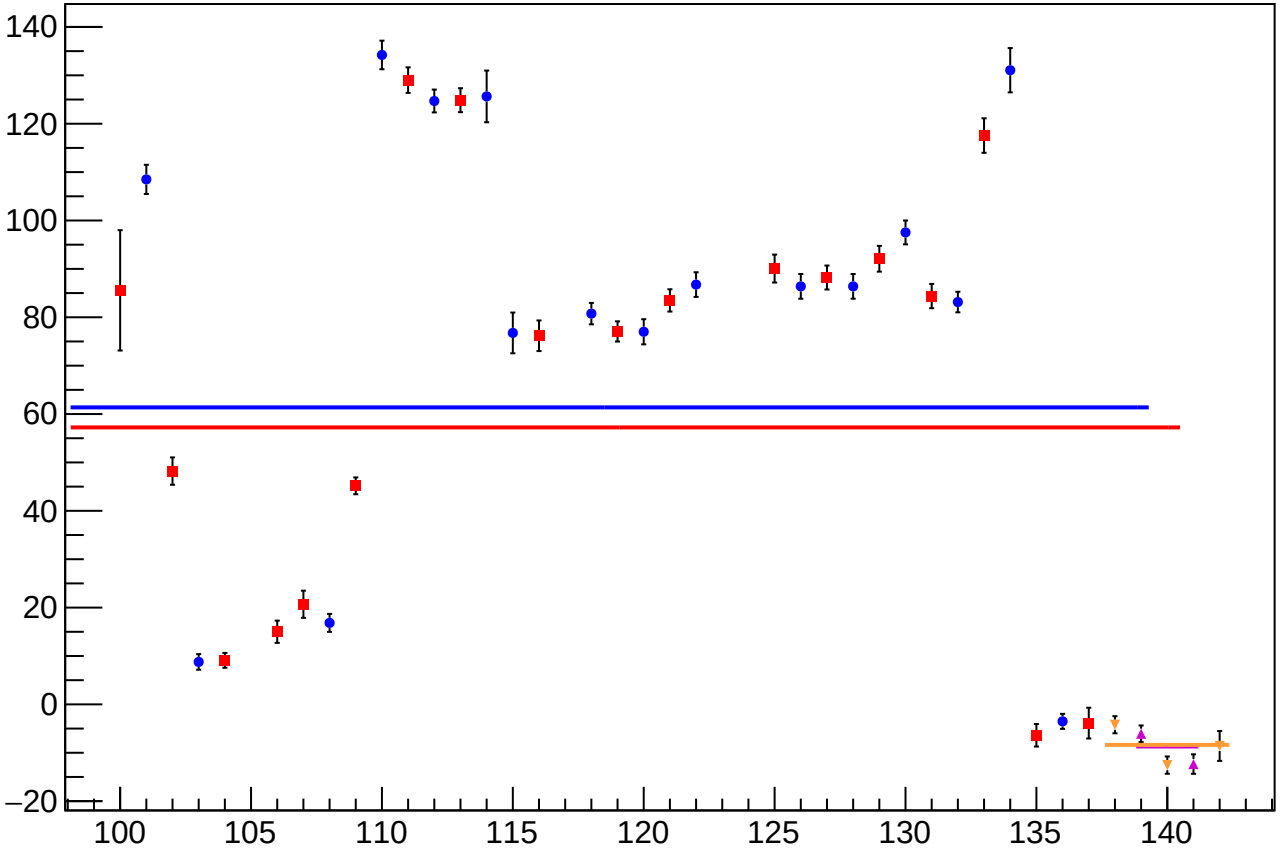
Left In: -7.953+/-1.298 χ^2/NDF:9.2/1

+ sign -6.151+/-0.482 χ^2/NDF: 305.0/18

All: -5.903+/-0.345 χ^2/NDF: 631.4/38

- sign -5.645+/-0.493 χ^2/NDF: 325.9/19

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: -8.369+/-1.163 χ^2/NDF:11.1/2

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

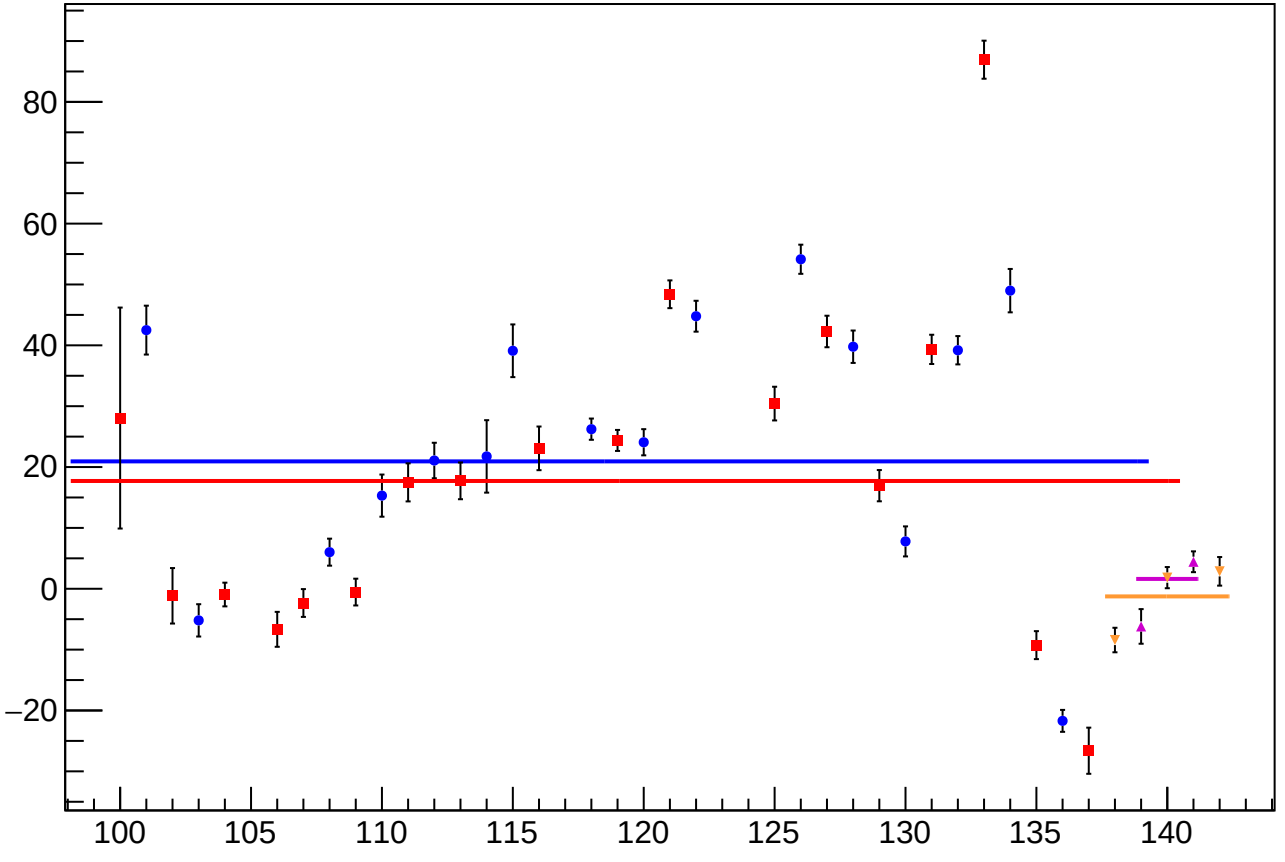
Left In: -8.711+/-1.305 χ^2/NDF:5.6/1

\+ sign 46.934+/-0.529 χ^2/NDF: 8929.9/18

All: 46.649+/-0.375 χ^2/NDF: 16334.7/38

\- sign 46.362+/-0.530 χ^2/NDF: 7404.2/19

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -1.257+/-1.149 χ^2/NDF:18.9/2

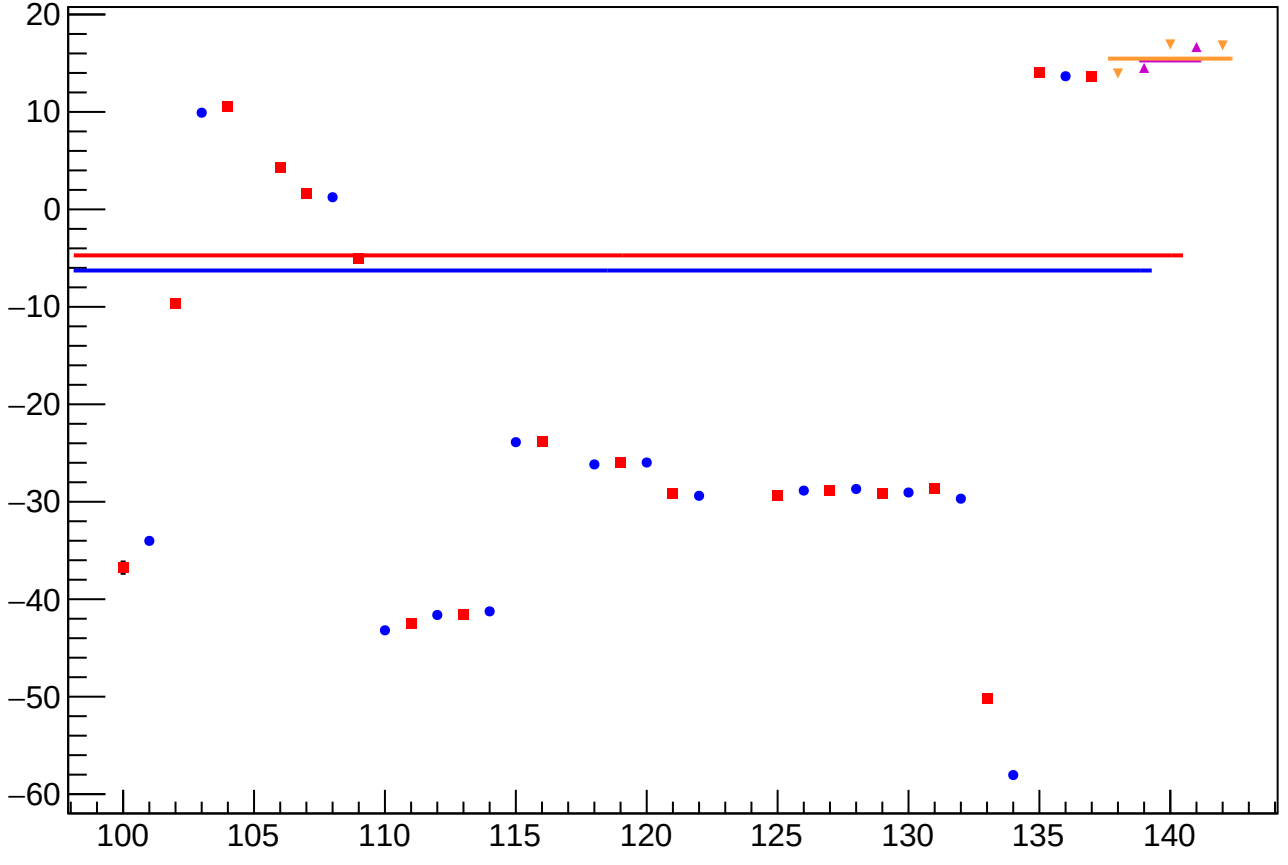
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: 1.616+/-1.466 χ^2/NDF:10.2/1

+ sign 15.674+/-0.559 χ^2/NDF: 1549.0/18

All: 15.481+/-0.399 χ^2/NDF: 3143.7/38

- sign 15.281+/-0.570 χ^2/NDF: 1594.5/19



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.470+/-0.048 χ^2/NDF:937.7/2

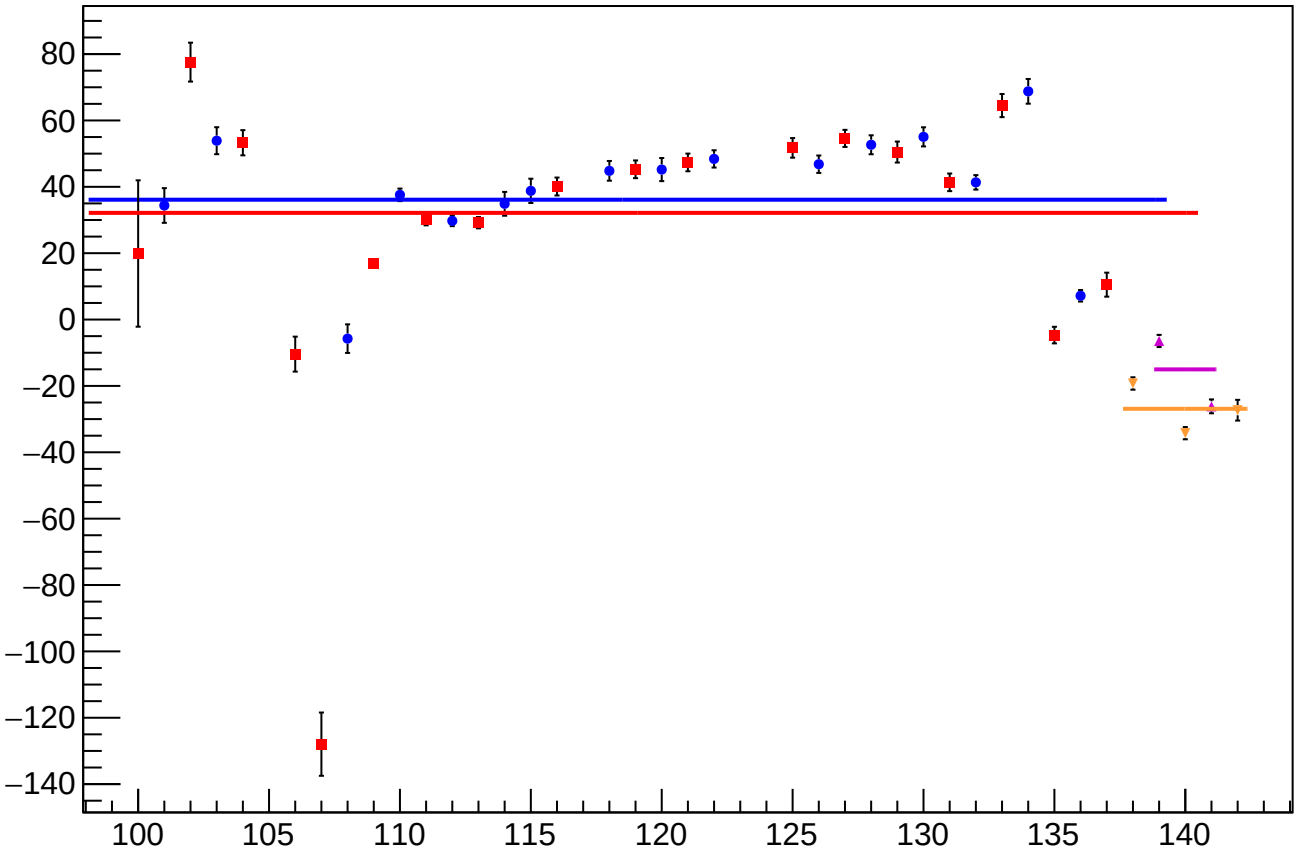
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.284+/-0.049 χ^2/NDF:439.1/1

+ sign 0.795+/-0.027 χ^2/NDF: 548970.4/18

All: 1.240+/-0.020 χ^2/NDF: 969678.5/38

- sign 1.695+/-0.028 χ^2/NDF: 420176.4/19



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -26.896+/-1.212 χ^2/NDF:32.5/2

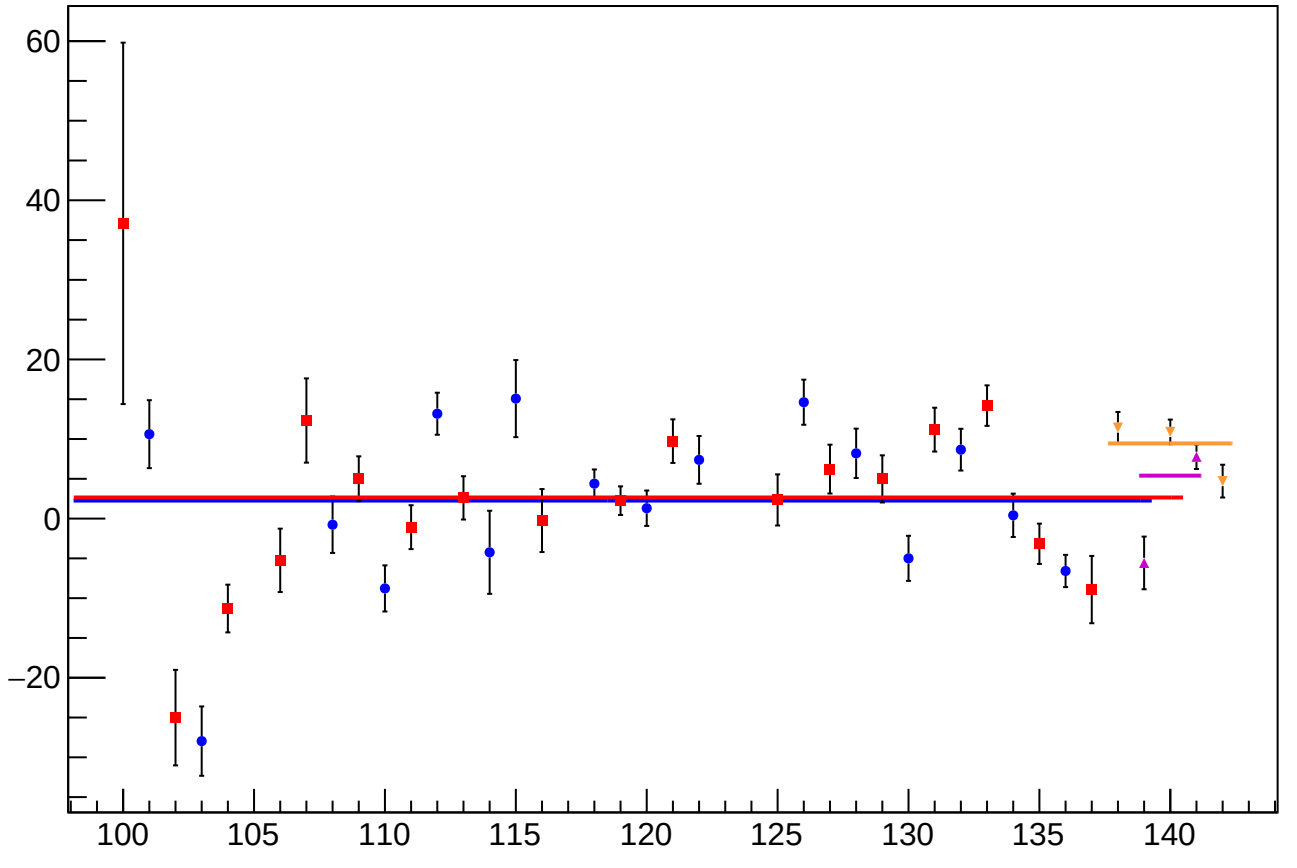
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -15.016+/-1.380 χ^2/NDF:50.1/1

+ sign 21.820+/-0.577 χ^2/NDF: 2746.2/18

All: 22.916+/-0.407 χ^2/NDF: 4884.9/38

- sign 23.999+/-0.574 χ^2/NDF: 2131.5/19



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 9.446+/-1.048 χ^2/NDF:7.2/2

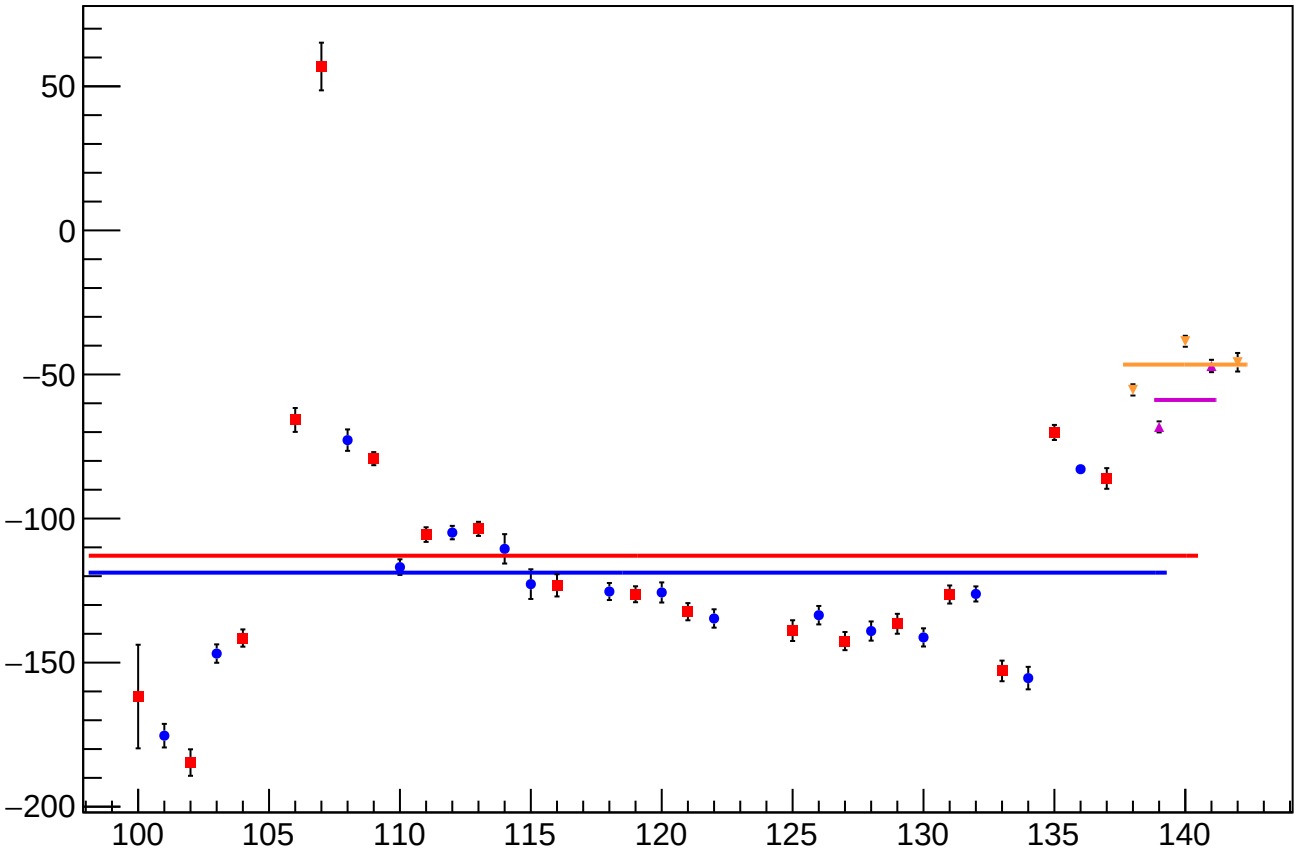
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 5.396+/-1.395 χ^2/NDF:13.4/1

+ sign 4.487+/-0.583 χ^2/NDF: 191.6/18

All: 3.911+/-0.430 χ^2/NDF: 317.4/38

- sign 3.223+/-0.637 χ^2/NDF: 123.6/19



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -46.567+/-1.255 χ^2/NDF:38.4/2

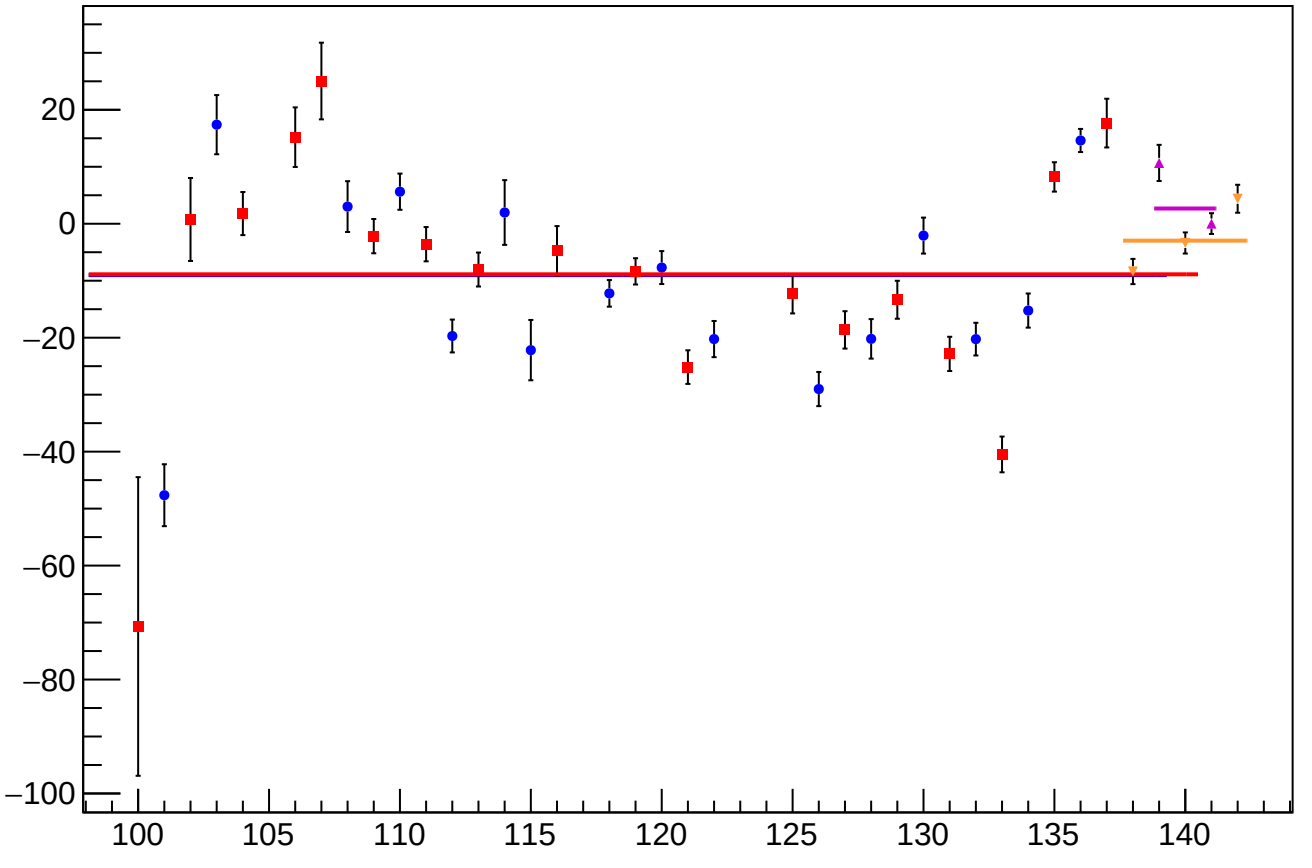
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.846+/-1.428 χ^2/NDF:54.1/1

\+ sign -99.511+/-0.648 χ^2/NDF: 3587.0/18

All: -100.202+/-0.466 χ^2/NDF: 6622.2/38

\- sign -100.945+/-0.672 χ^2/NDF: 3032.8/19



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -2.970+/-1.230 χ^2/NDF:15.0/2

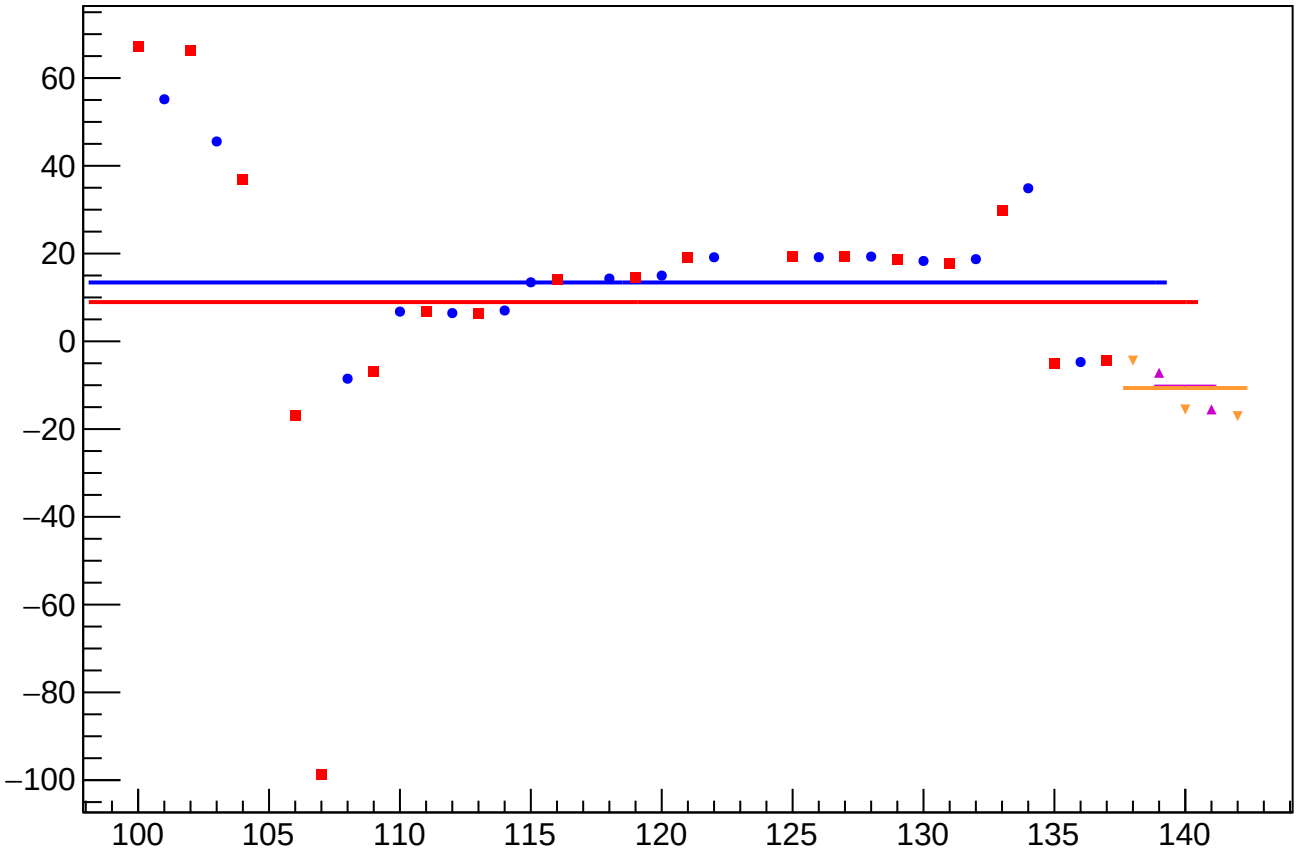
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 2.673+/-1.582 χ^2/NDF:8.5/1

+ sign -7.236+/-0.668 χ^2/NDF: 390.1/18

All: -6.885+/-0.490 χ^2/NDF: 760.1/38

- sign -6.476+/-0.721 χ^2/NDF: 369.4/19



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -10.644+/-0.052 χ^2/NDF:12366.0/2

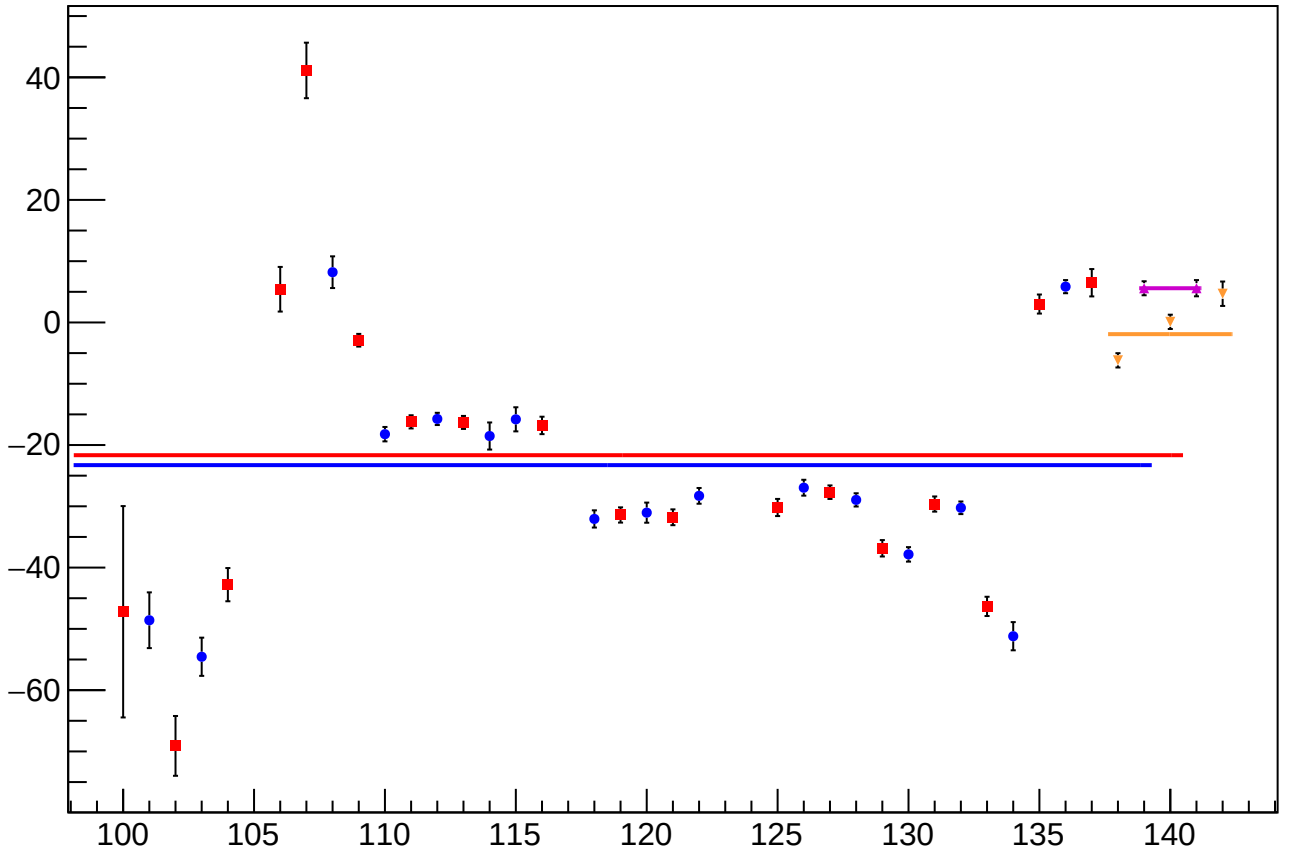
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.319+/-0.054 χ^2/NDF:5660.3/1

+ sign 3.058+/-0.034 χ^2/NDF: 317544.2/18

All: 1.843+/-0.025 χ^2/NDF: 689120.1/38

- sign 0.527+/-0.036 χ^2/NDF: 368941.9/19



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -1.906+/-0.762 χ^2/NDF:27.3/2

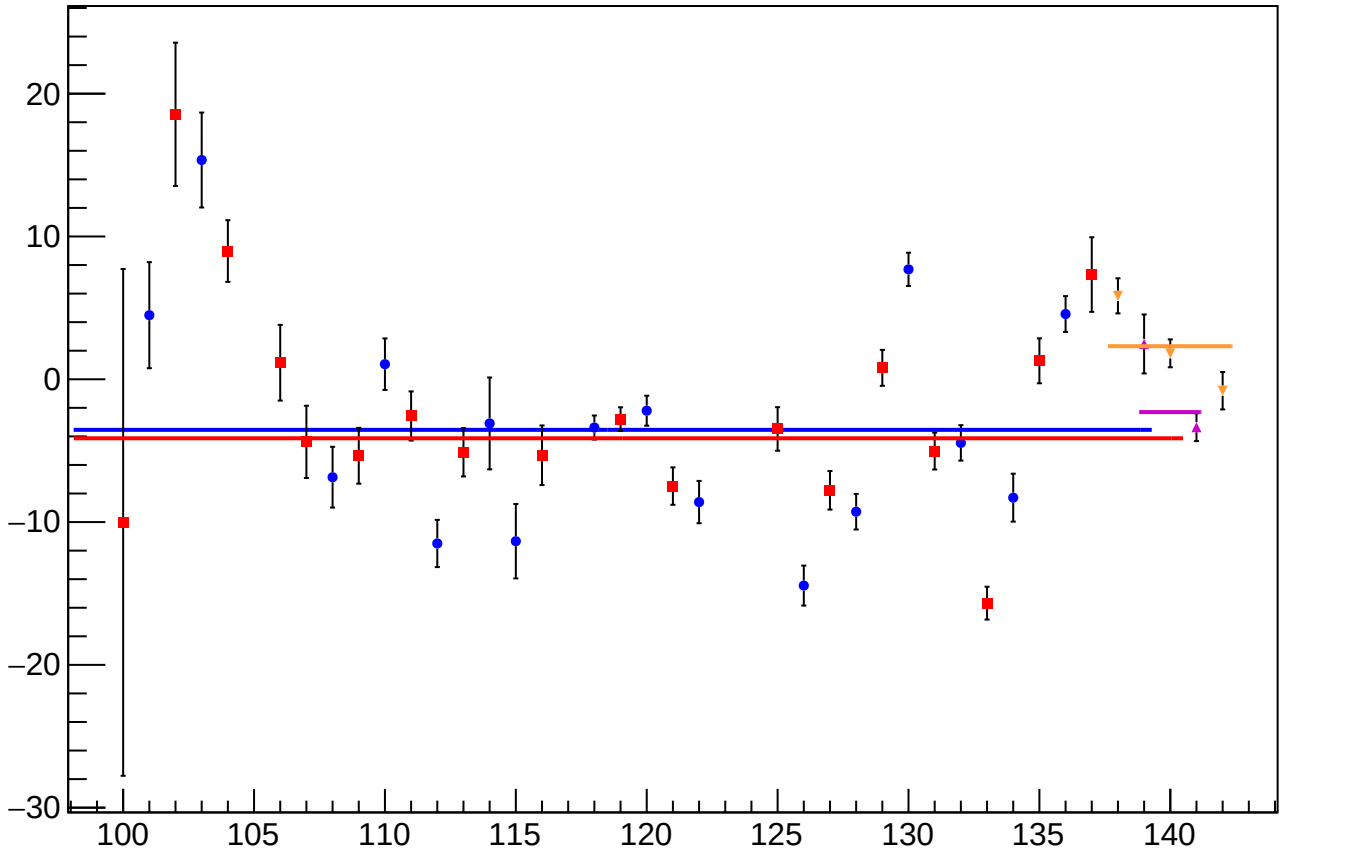
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 5.586+/-0.865 χ^2/NDF:0.0/1

+ sign -19.552+/-0.318 χ^2/NDF: 2244.5/18

All: -18.726+/-0.227 χ^2/NDF: 4925.5/38

- sign -17.879+/-0.322 χ^2/NDF: 2667.4/19



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 2.317+/-0.661 χ^2/NDF:14.1/2

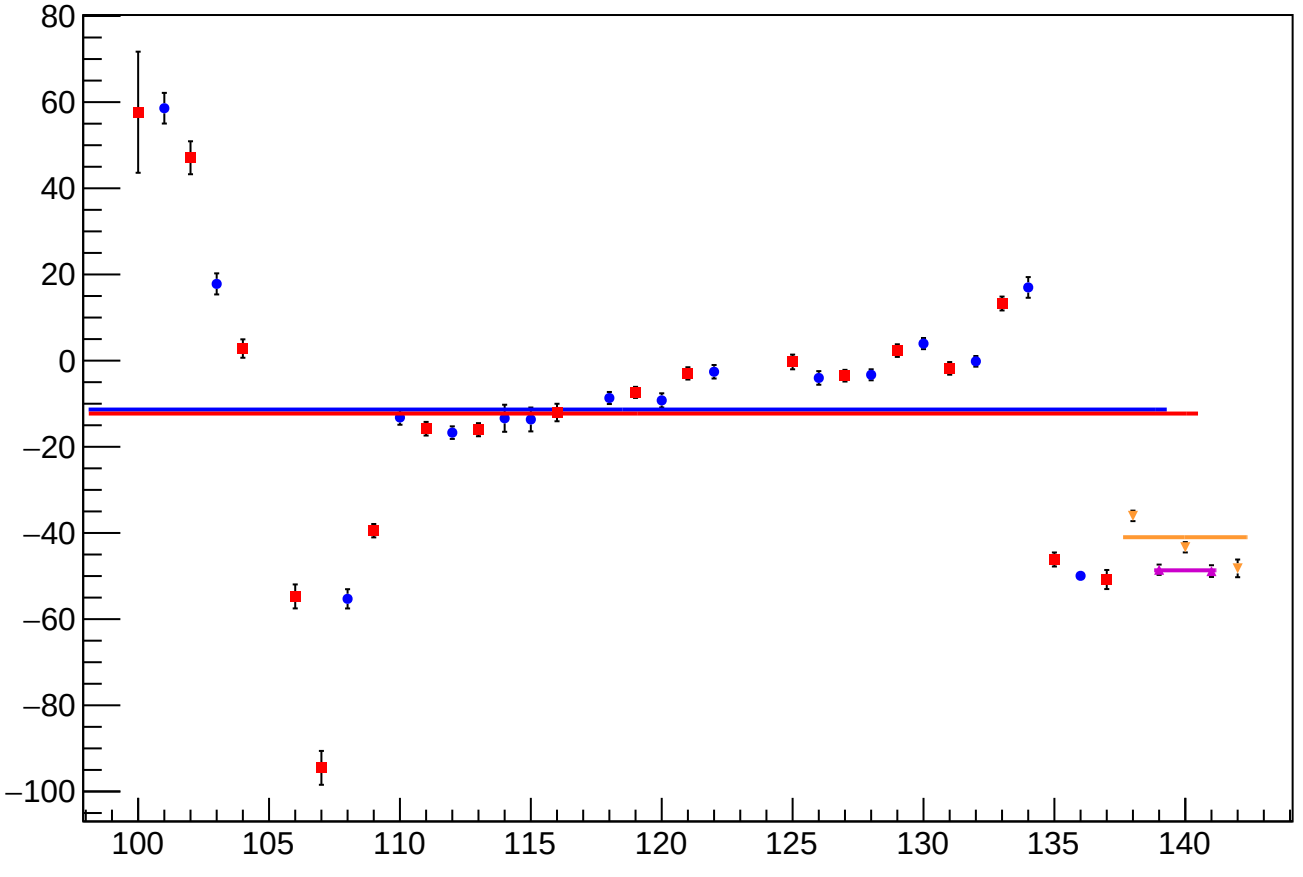
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -2.298+/-0.880 χ^2/NDF:6.5/1

+ sign -2.185+/-0.318 χ^2/NDF: 391.3/18

All: -2.960+/-0.233 χ^2/NDF: 641.8/38

- sign -3.856+/-0.342 χ^2/NDF: 237.7/19



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -40.985+/-0.789 χ^2/NDF:32.7/2

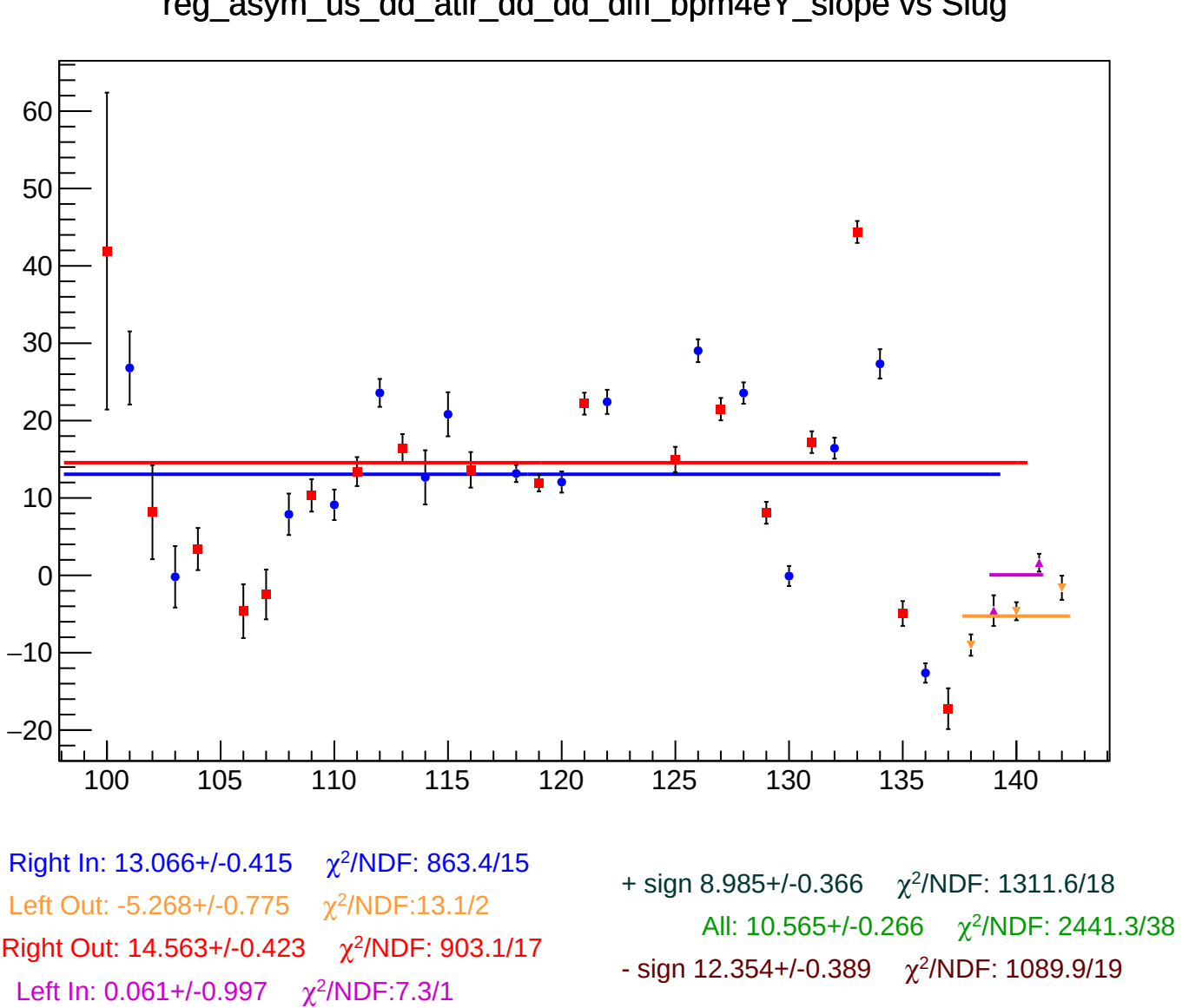
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

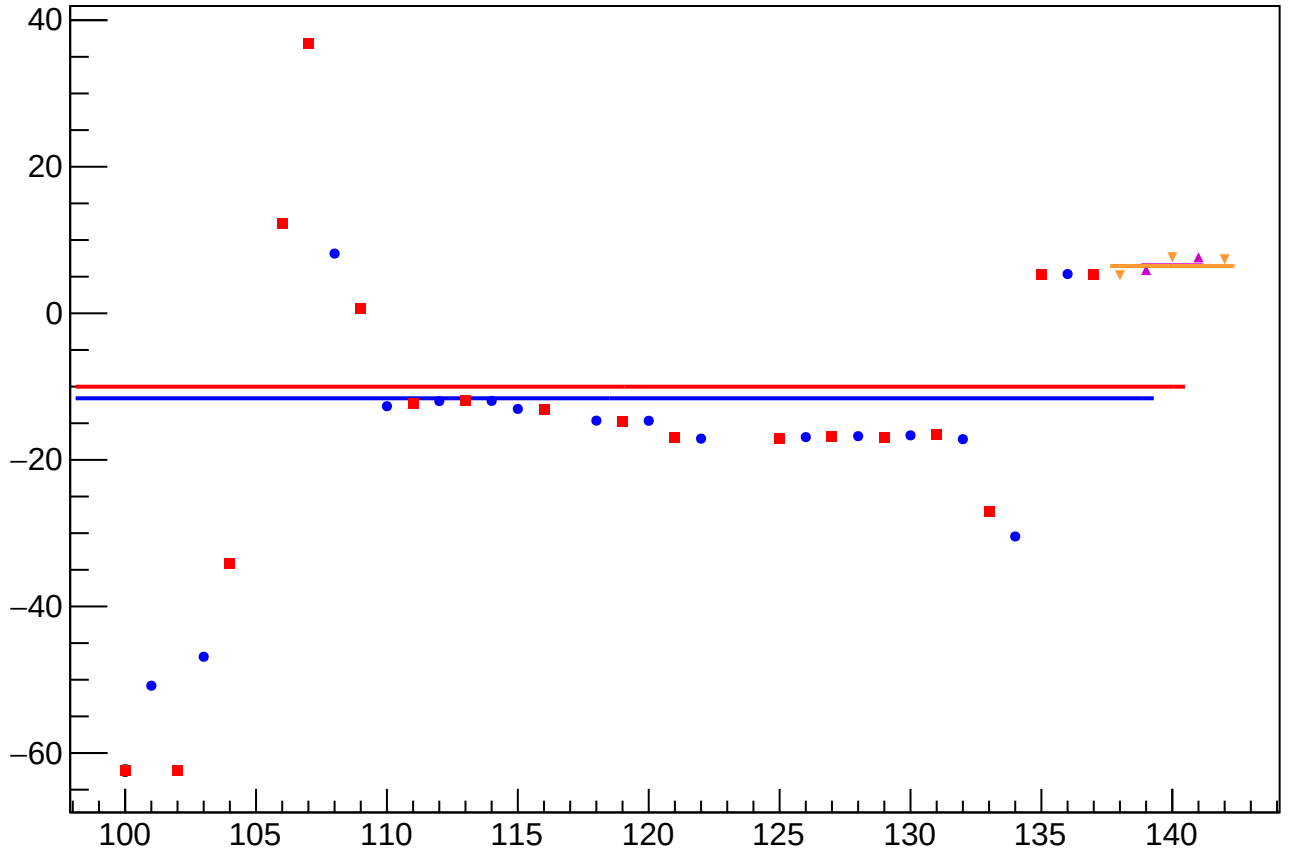
Left In: -48.669+/-0.896 χ^2/NDF:0.0/1

+ sign -17.547+/-0.361 χ^2/NDF: 3809.2/18

All: -18.084+/-0.260 χ^2/NDF: 7764.9/38

- sign -18.664+/-0.375 χ^2/NDF: 3951.1/19


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
105
110
115
120
125
130
135
140
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -5.268+/-0.775 χ²/NDF:13.1/2
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: 0.061+/-0.997 χ²/NDF:7.3/1
+ sign 8.985+/-0.366 χ²/NDF: 1311.6/18
All: 10.565+/-0.266 χ²/NDF: 2441.3/38
- sign 12.354+/-0.389 χ²/NDF: 1089.9/19



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.460+/-0.033 χ^2/NDF:1325.8/2

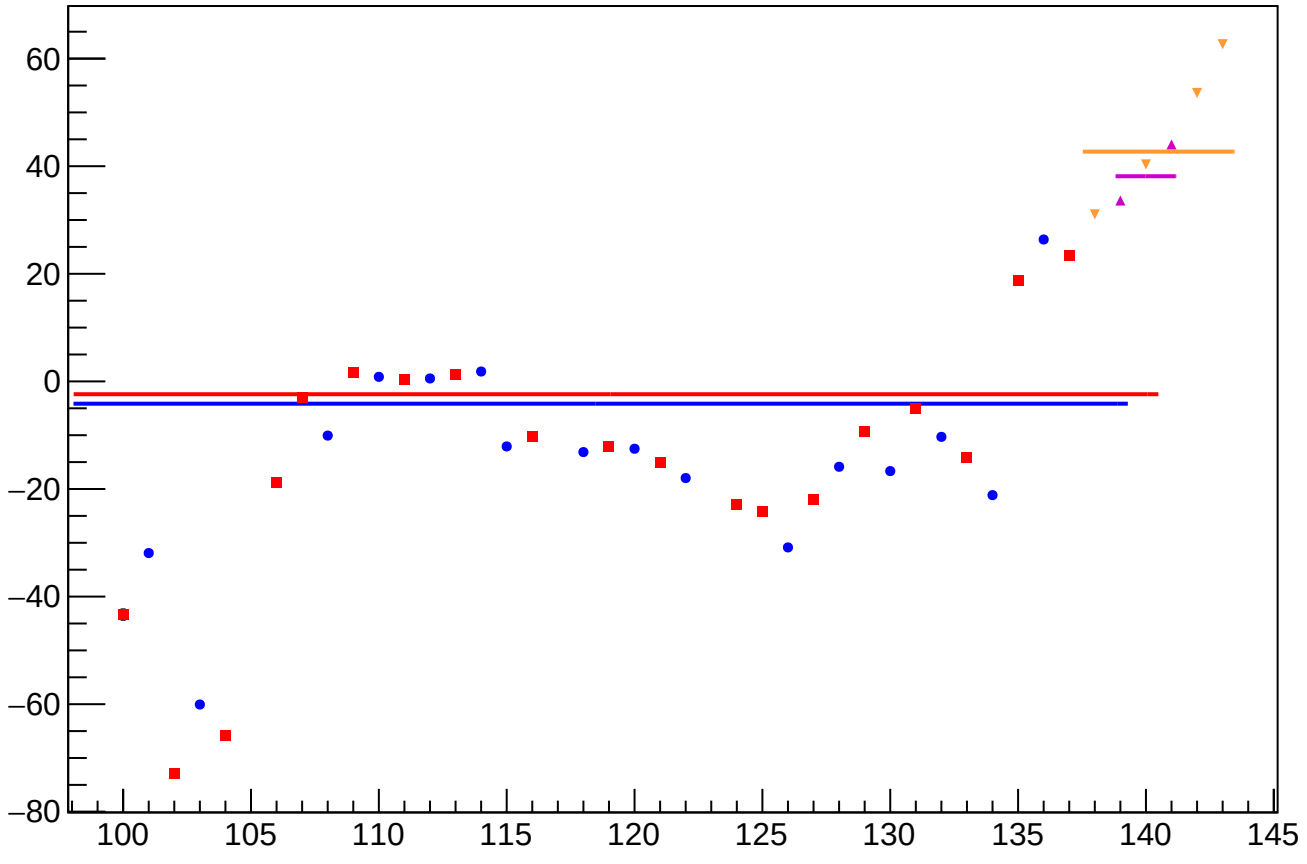
Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 6.558+/-0.034 χ^2/NDF:612.8/1

\+ sign -4.517+/-0.021 χ^2/NDF: 546505.0/18

All: -3.985+/-0.015 χ^2/NDF: 1089962.7/38

\- sign -3.413+/-0.021 χ^2/NDF: 542063.4/19



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 42.712+/-0.124 χ^2/NDF:9349.7/3

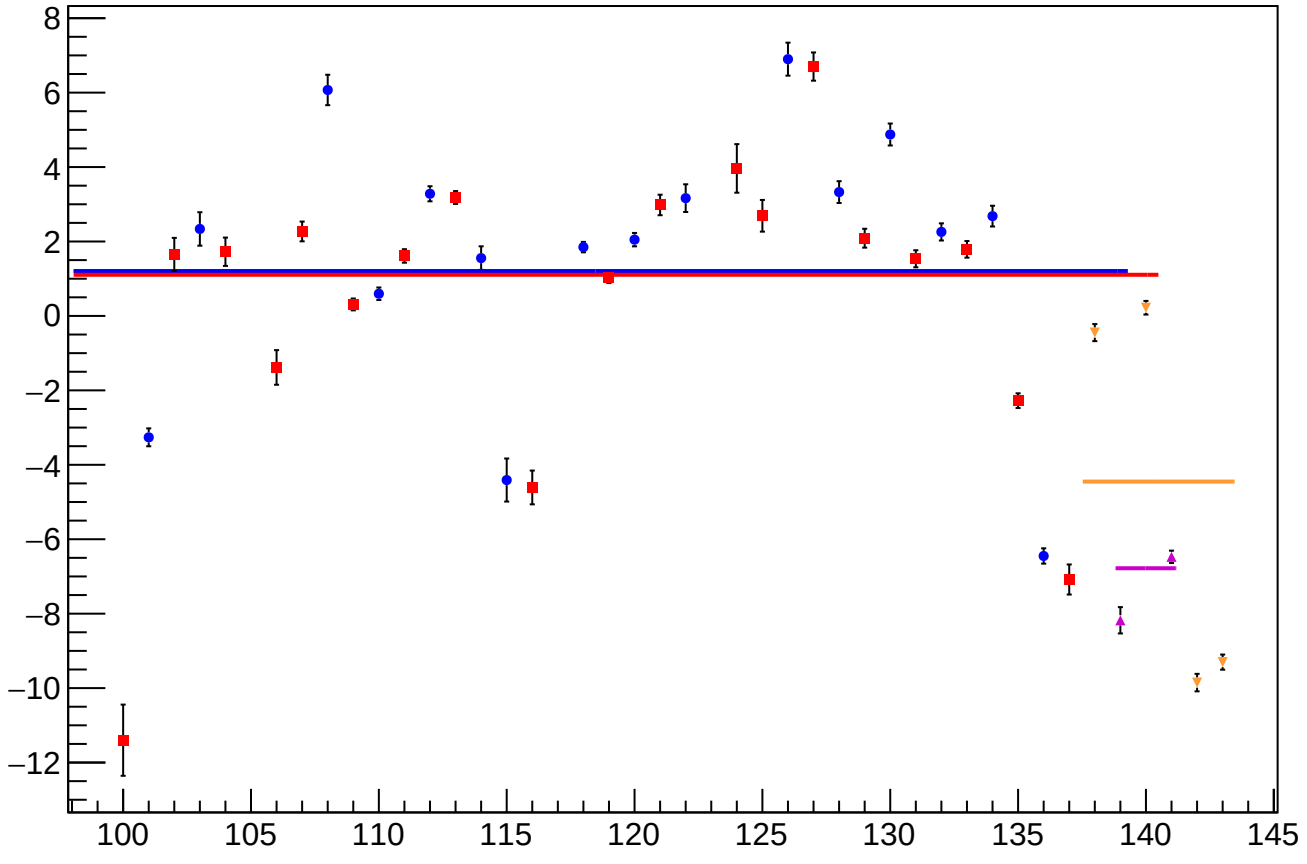
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 38.135+/-0.148 χ^2/NDF:1214.8/1

+ sign 3.520+/-0.050 χ^2/NDF: 204743.4/19

All: 2.214+/-0.033 χ^2/NDF: 356127.2/40

- sign 1.201+/-0.044 χ^2/NDF: 150173.0/20



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -4.451+/-0.105 χ^2/NDF:2050.3/3

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

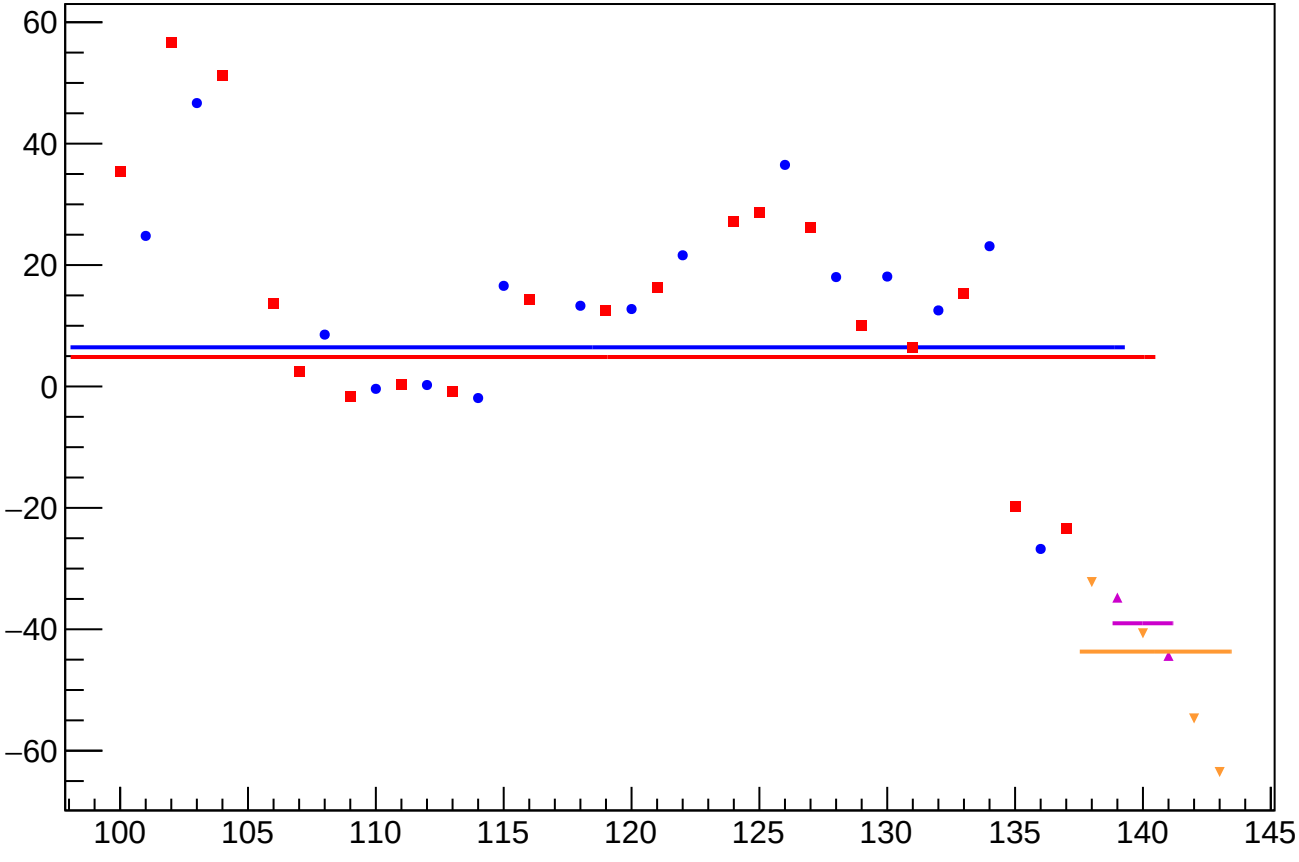
Left In: -6.779+/-0.150 χ^2/NDF:19.1/1

+ sign -0.205+/-0.052 χ^2/NDF: 6821.0/19

All: -0.053+/-0.037 χ^2/NDF: 10854.1/40

- sign 0.105+/-0.053 χ^2/NDF: 4015.9/20

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -43.674+/-0.128 χ^2/NDF:8648.6/3

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

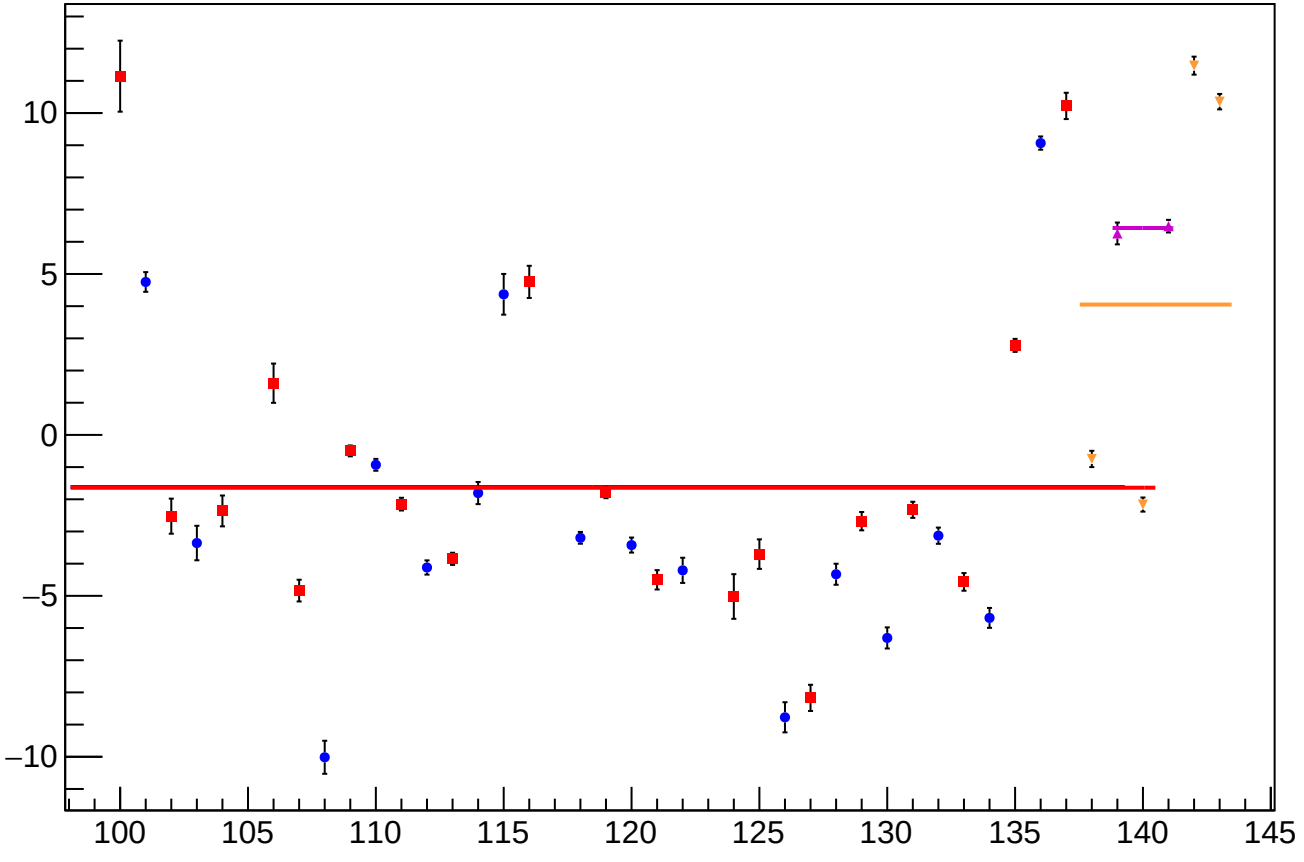
Left In: -39.009+/-0.153 χ^2/NDF:965.6/1

+ sign -3.882+/-0.058 χ^2/NDF: 201137.5/19

All: -2.278+/-0.040 χ^2/NDF: 350077.8/40

- sign -0.831+/-0.055 χ^2/NDF: 147491.0/20

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 4.050+/-0.122 χ^2/NDF:2559.3/3

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

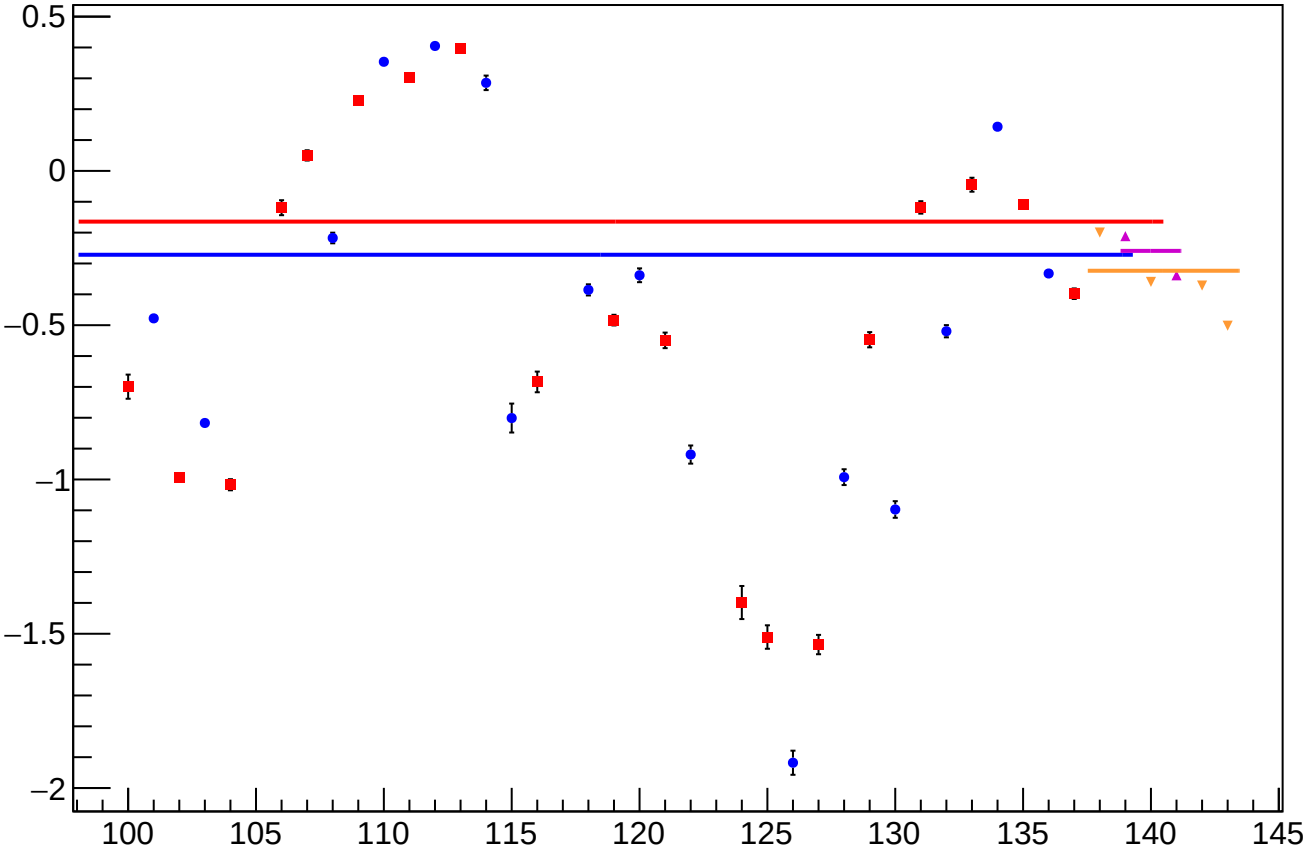
Left In: 6.429+/-0.170 χ^2/NDF:0.3/1

+ sign -0.238+/-0.061 χ^2/NDF: 8705.4/19

All: -0.431+/-0.043 χ^2/NDF: 13157.2/40

- sign -0.623+/-0.060 χ^2/NDF: 4431.5/20

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.324+/-0.005 χ^2/NDF:478.3/3

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

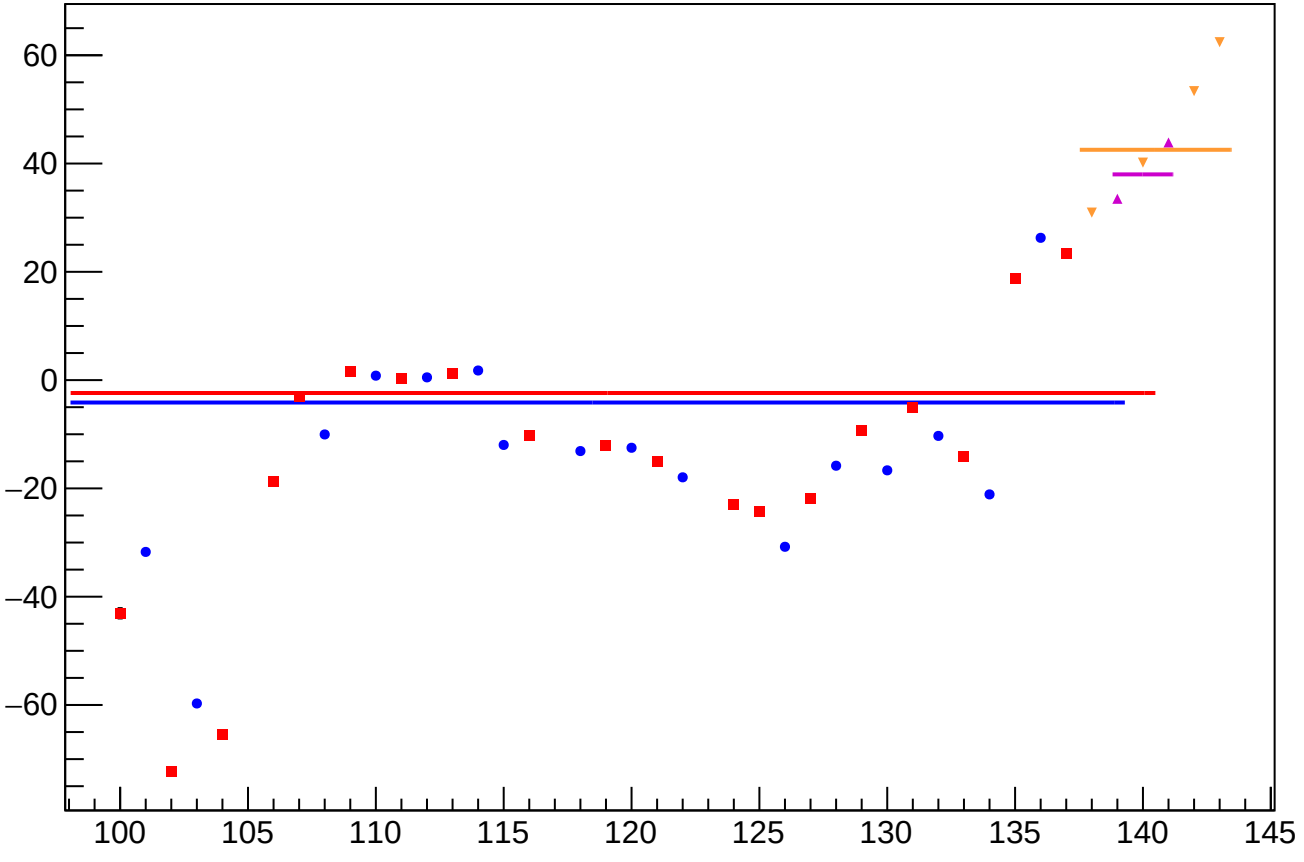
Left In: -0.259+/-0.006 χ^2/NDF:114.2/1

+ sign -0.292+/-0.003 χ^2/NDF: 12587.1/19

All: -0.241+/-0.002 χ^2/NDF: 28861.1/40

- sign -0.193+/-0.003 χ^2/NDF: 15800.4/20

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 42.539+/-0.123 χ^2/NDF:9315.1/3

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

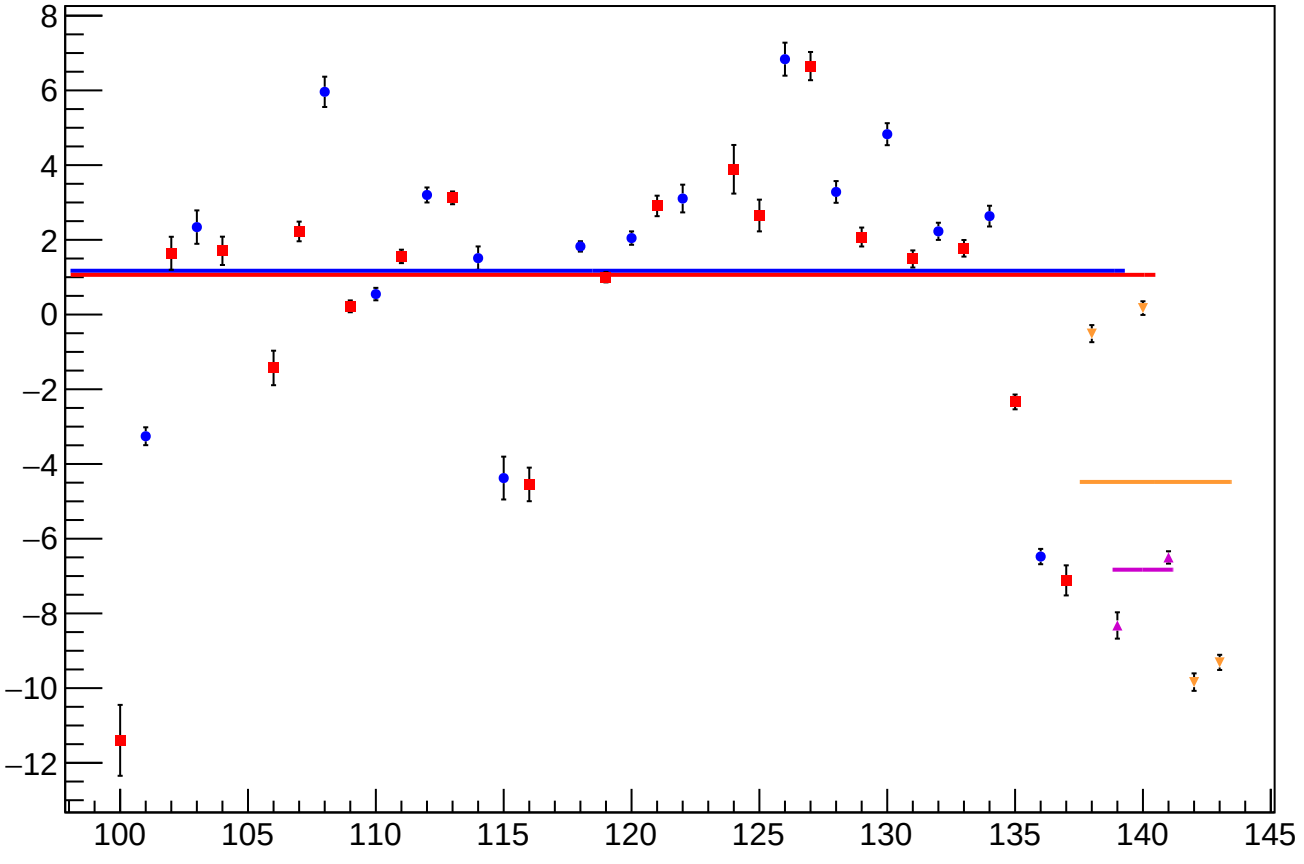
Left In: 37.996+/-0.148 χ^2/NDF:1215.0/1

+ sign 3.460+/-0.050 χ^2/NDF: 204650.8/19

All: 2.169+/-0.033 χ^2/NDF: 355912.7/40

- sign 1.169+/-0.044 χ^2/NDF: 150066.1/20

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -4.480+/-0.104 χ^2/NDF:2040.8/3

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

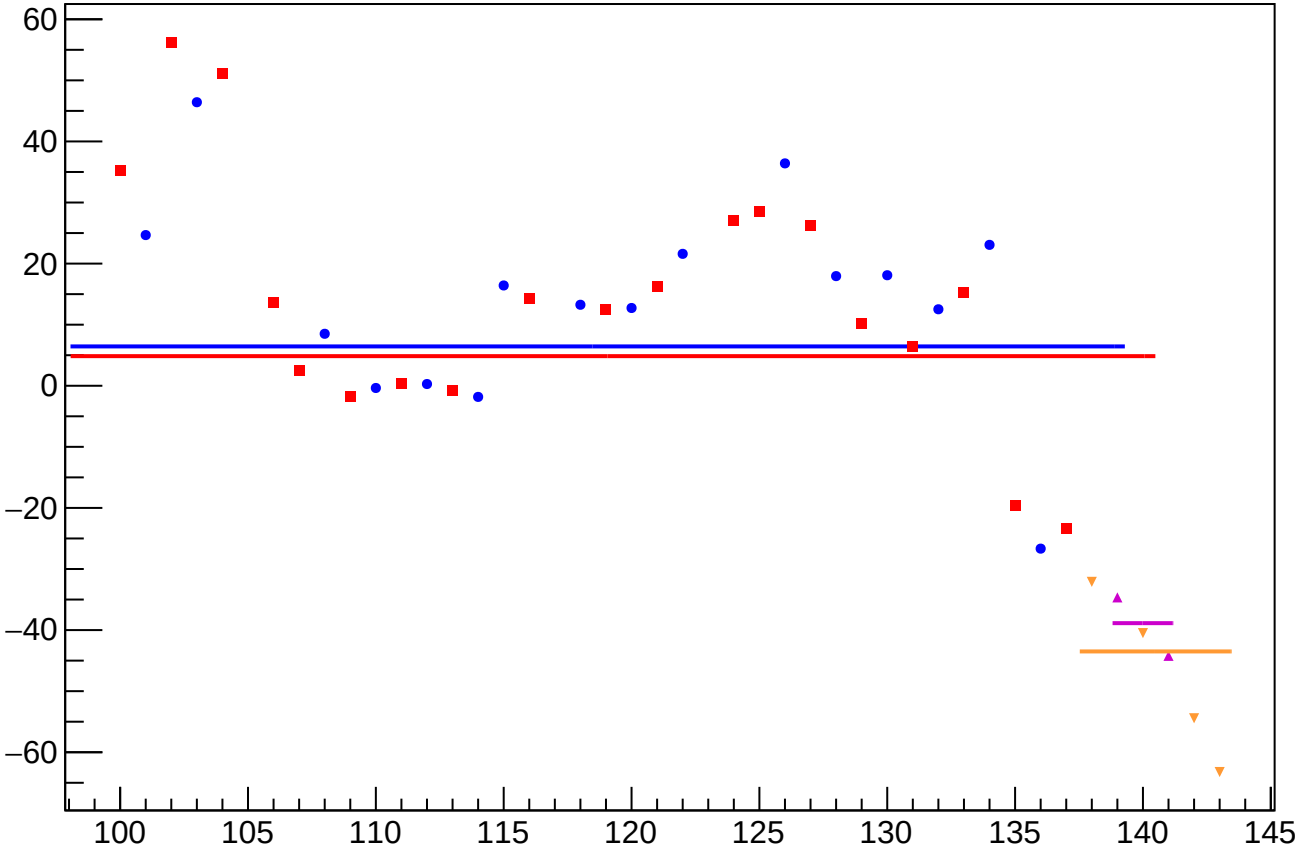
Left In: -6.830+/-0.150 χ^2/NDF:21.9/1

+ sign -0.234+/-0.052 χ^2/NDF: 6824.6/19

All: -0.088+/-0.037 χ^2/NDF: 10888.7/40

- sign 0.065+/-0.053 χ^2/NDF: 4048.0/20

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -43.496+/-0.128 χ^2/NDF:8616.4/3

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

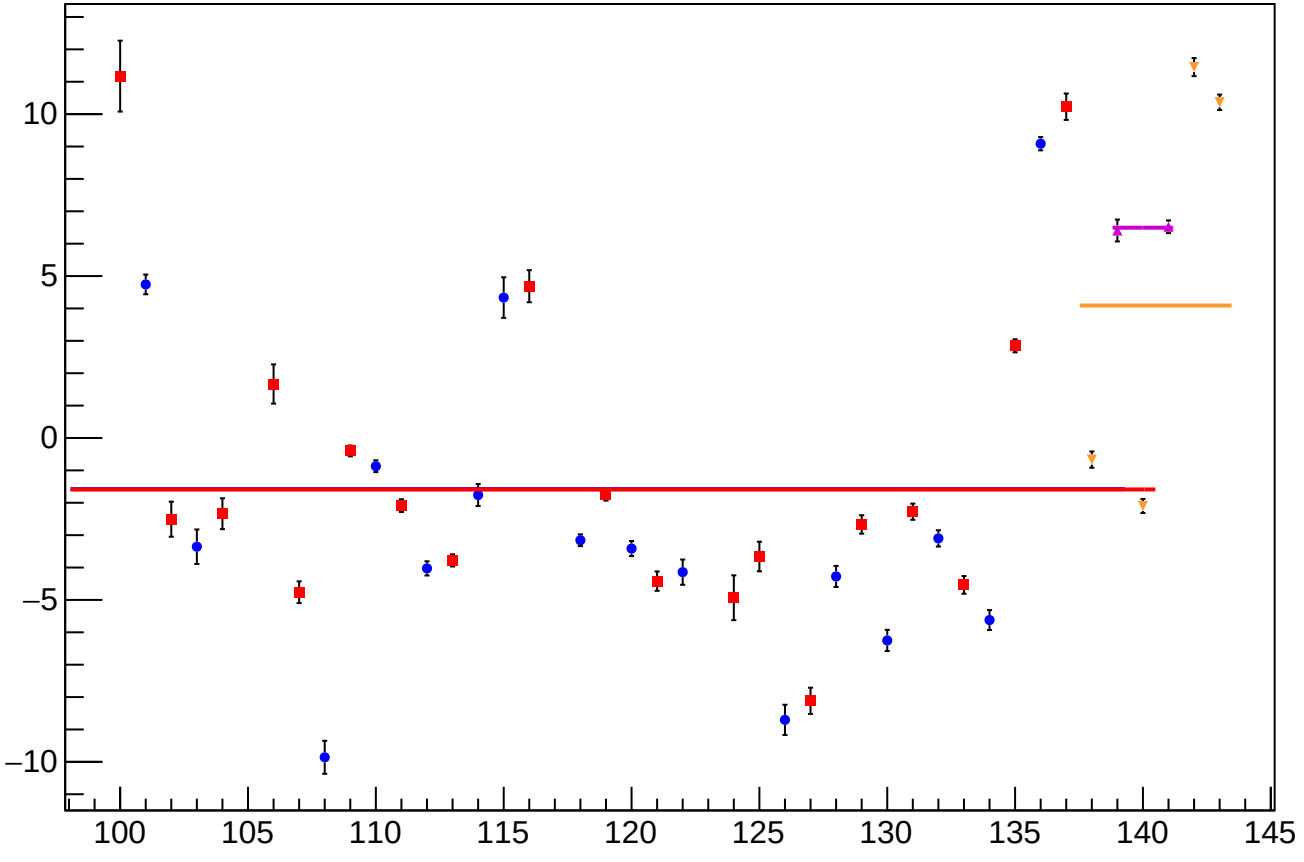
Left In: -38.865+/-0.153 χ^2/NDF:966.3/1

+ sign -3.816+/-0.058 χ^2/NDF: 201041.6/19

All: -2.225+/-0.040 χ^2/NDF: 349853.7/40

- sign -0.791+/-0.055 χ^2/NDF: 147372.5/20

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 4.089+/-0.122 χ^2/NDF:2546.4/3

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

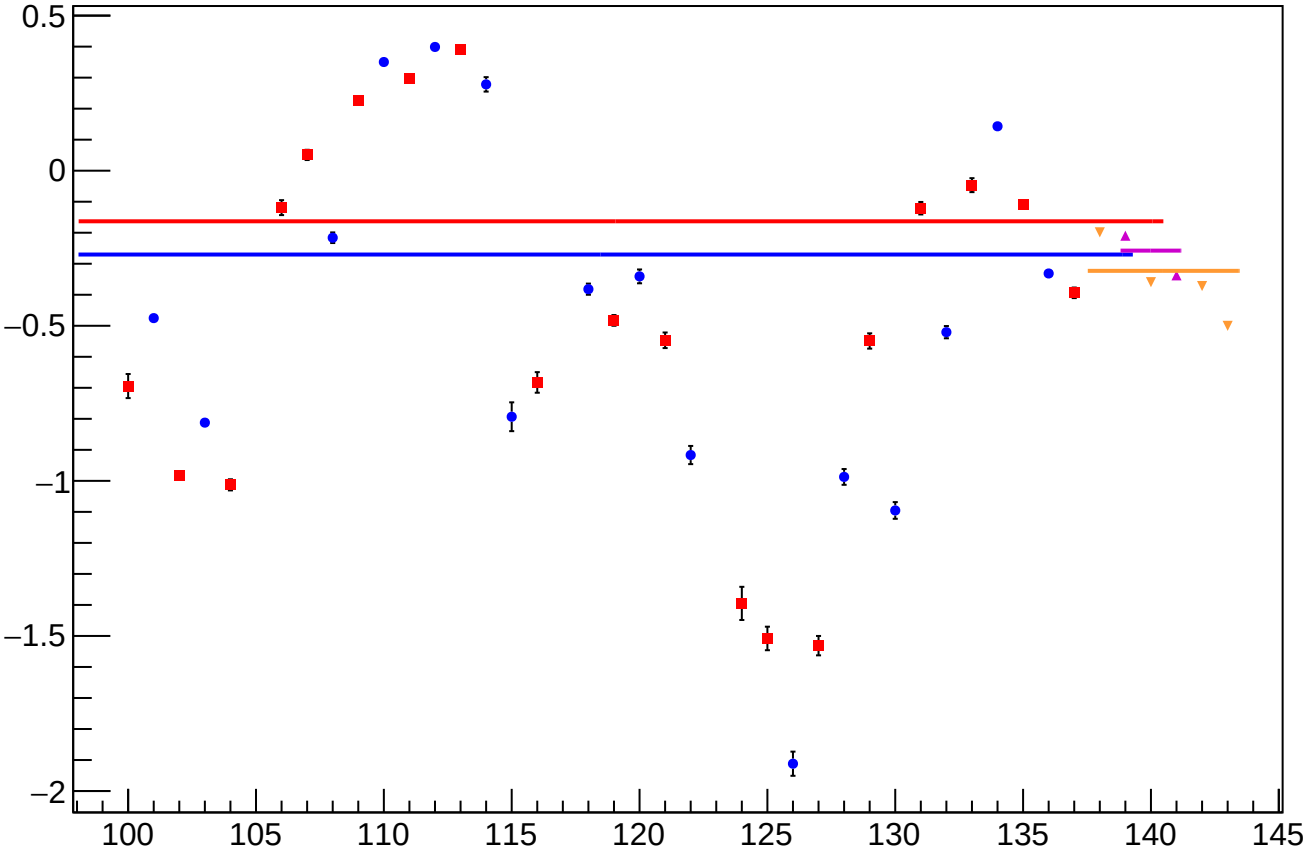
Left In: 6.494+/-0.169 χ^2/NDF:0.1/1

+ sign -0.201+/-0.060 χ^2/NDF: 8702.3/19

All: -0.388+/-0.043 χ^2/NDF: 13182.4/40

- sign -0.574+/-0.060 χ^2/NDF: 4460.8/20

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.323+/-0.005 χ^2/NDF:481.4/3

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

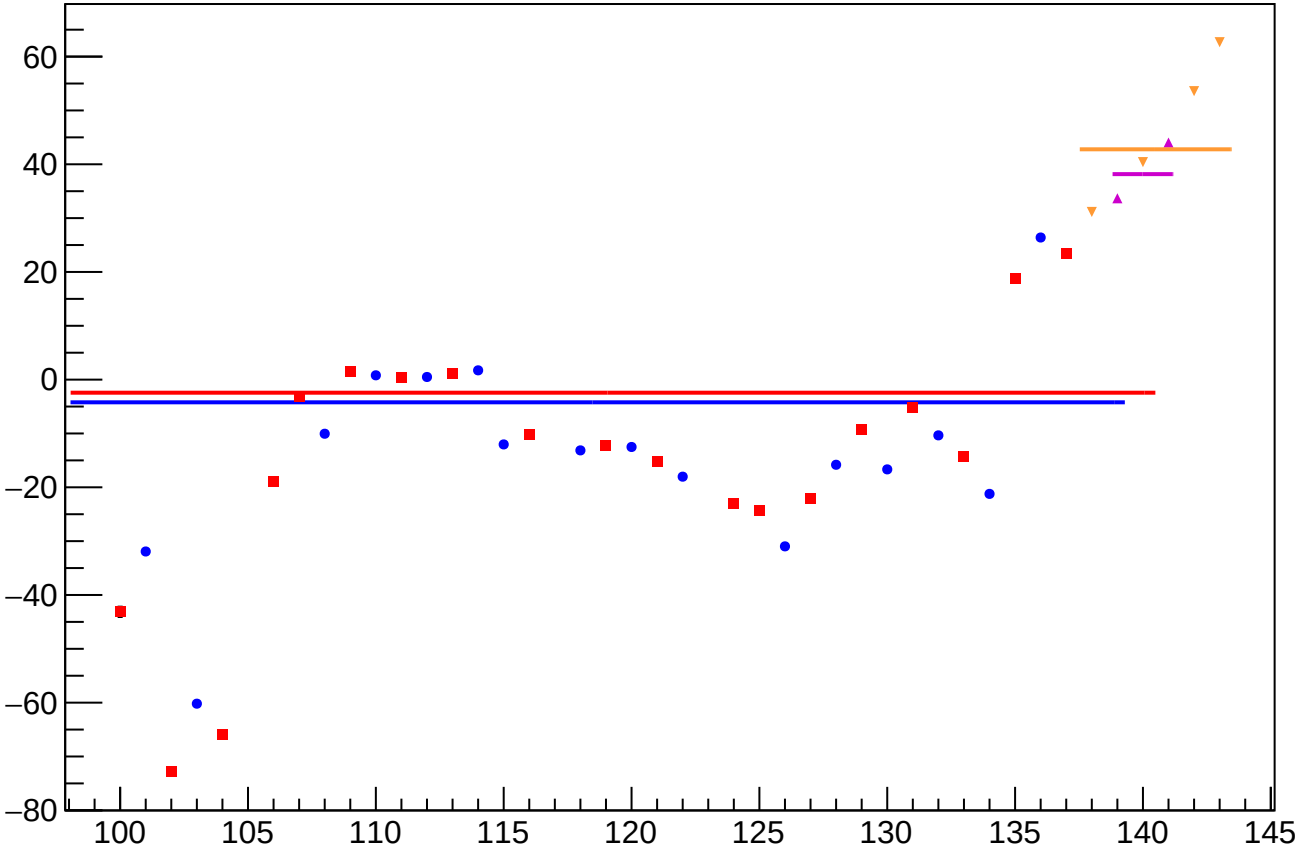
Left In: -0.258+/-0.006 χ^2/NDF:116.5/1

+ sign -0.291+/-0.003 χ^2/NDF: 12580.5/19

All: -0.240+/-0.002 χ^2/NDF: 28875.7/40

- sign -0.192+/-0.003 χ^2/NDF: 15815.9/20

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 42.781+/-0.124 χ^2/NDF:9267.2/3

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

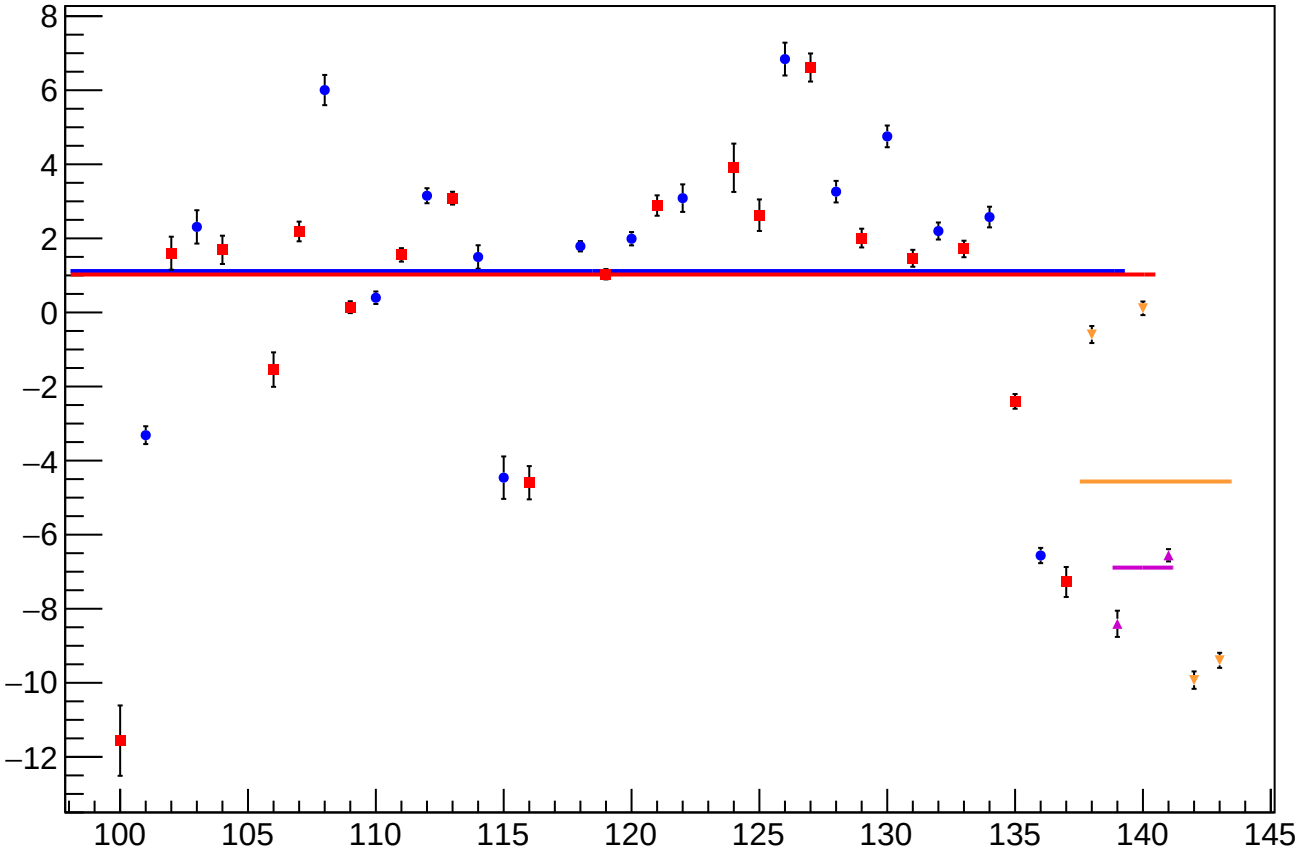
Left In: 38.172+/-0.148 χ^2/NDF:1194.9/1

+ sign 3.463+/-0.050 χ^2/NDF: 205026.4/19

All: 2.167+/-0.033 χ^2/NDF: 356442.2/40

- sign 1.161+/-0.044 χ^2/NDF: 150223.9/20

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -4.565+/-0.105 χ^2/NDF:2030.3/3

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

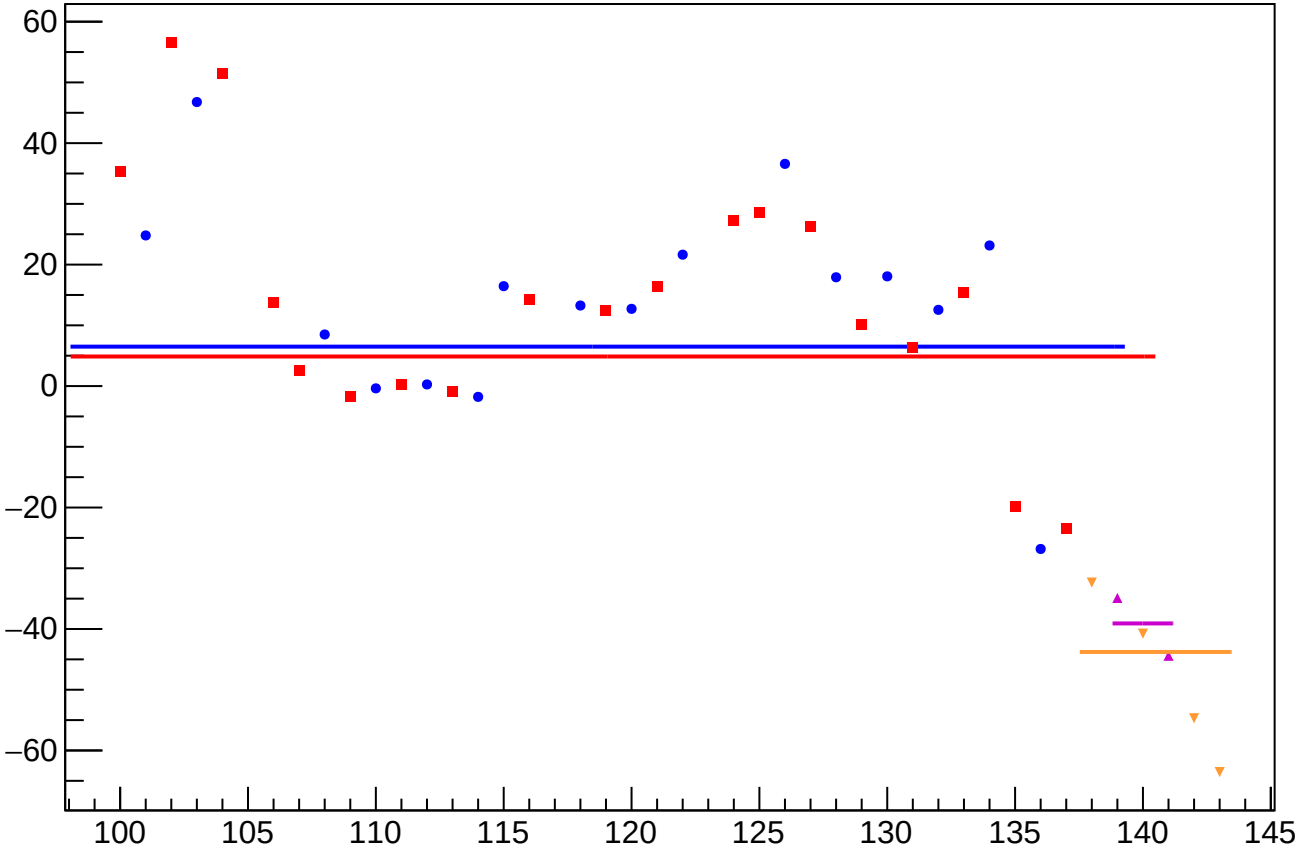
Left In: -6.890+/-0.150 χ^2/NDF:22.4/1

+ sign -0.297+/-0.052 χ^2/NDF: 6825.1/19

All: -0.141+/-0.037 χ^2/NDF: 10899.9/40

- sign 0.022+/-0.053 χ^2/NDF: 4056.7/20

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -43.780+/-0.128 χ^2/NDF:8573.8/3

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

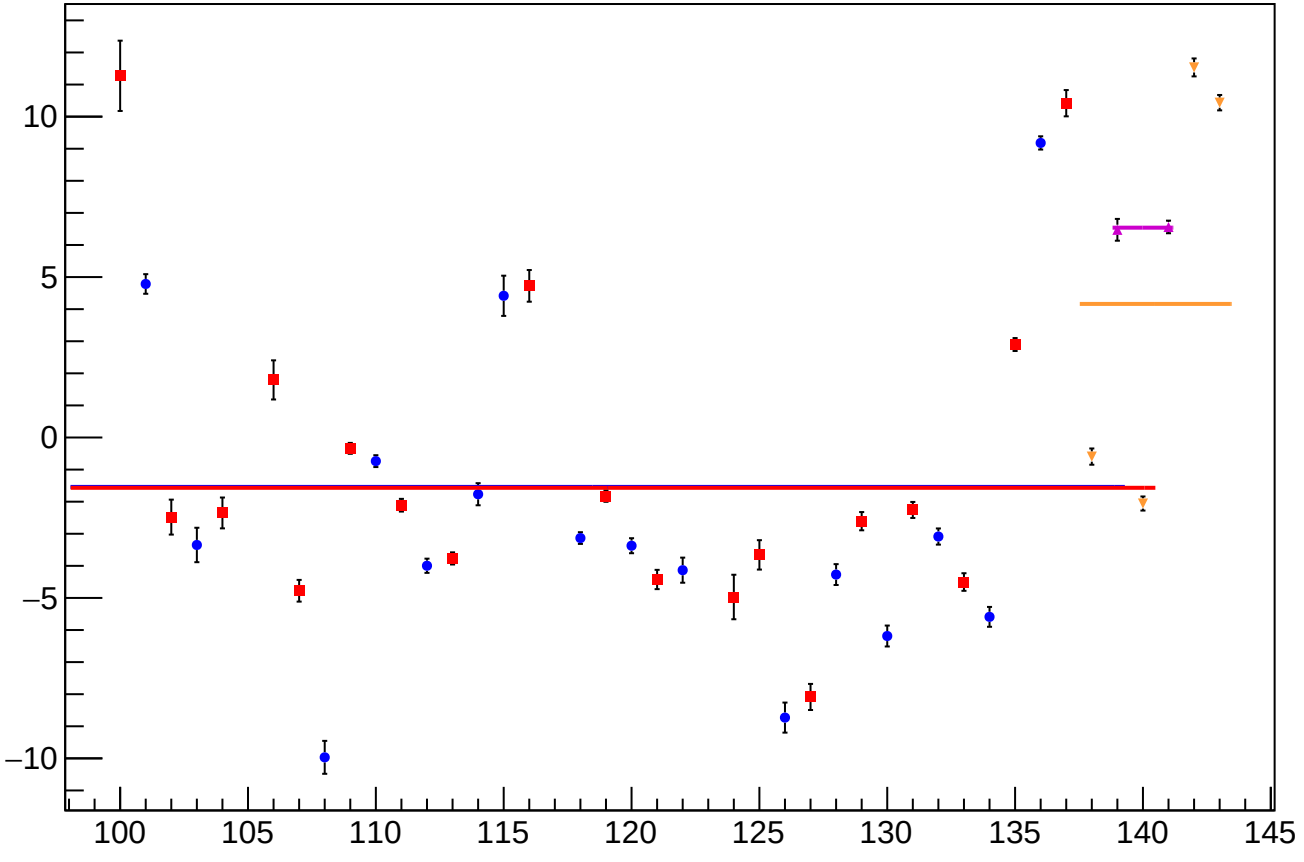
Left In: -39.084+/-0.154 χ^2/NDF:948.7/1

+ sign -3.854+/-0.058 χ^2/NDF: 201445.7/19

All: -2.260+/-0.040 χ^2/NDF: 350457.2/40

- sign -0.821+/-0.055 χ^2/NDF: 147581.1/20

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 4.163+/-0.123 χ^2/NDF:2534.1/3

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

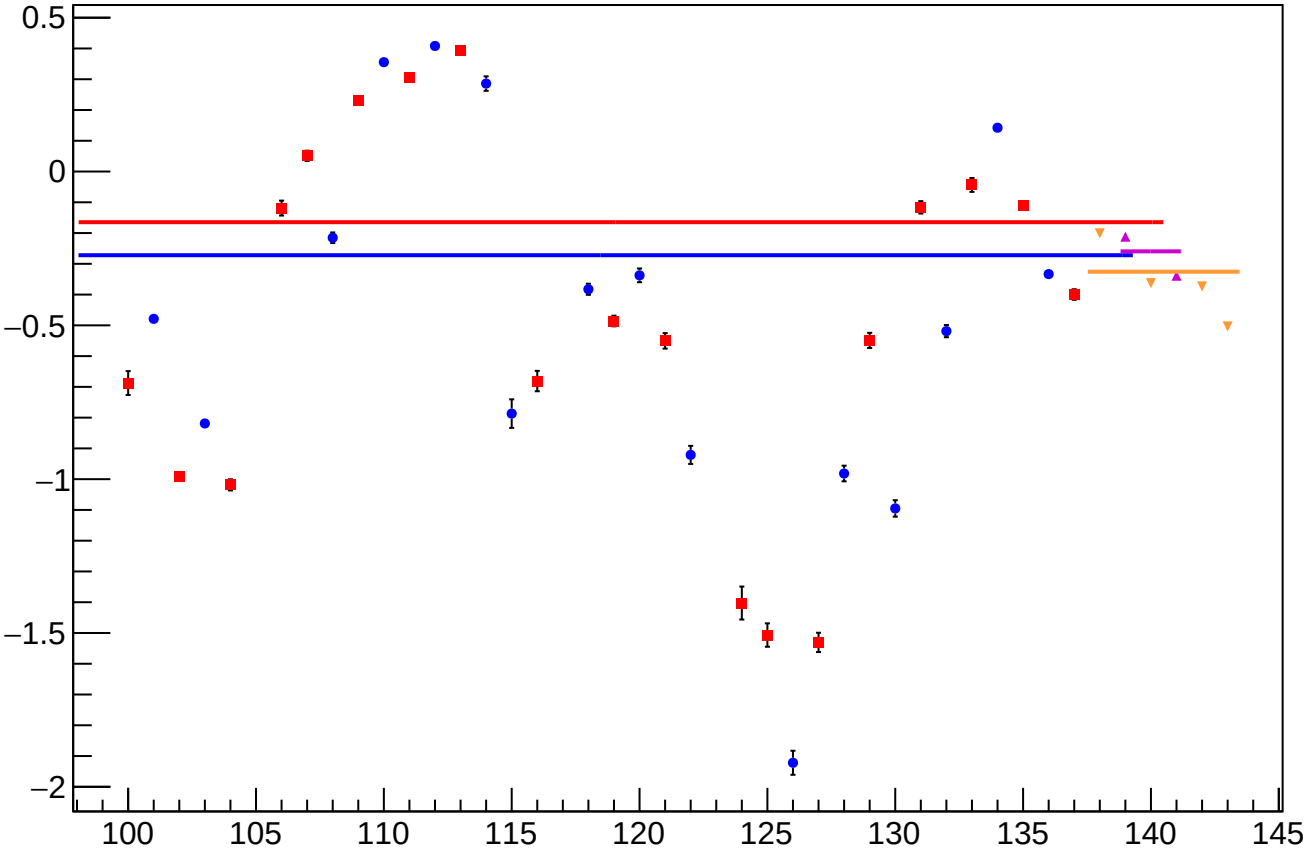
Left In: 6.540+/-0.170 χ^2/NDF:0.1/1

\+ sign -0.151+/-0.061 χ^2/NDF: 8706.3/19

All: -0.349+/-0.043 χ^2/NDF: 13208.1/40

\- sign -0.547+/-0.060 χ^2/NDF: 4480.4/20

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.326+/-0.005 χ^2/NDF:480.7/3

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

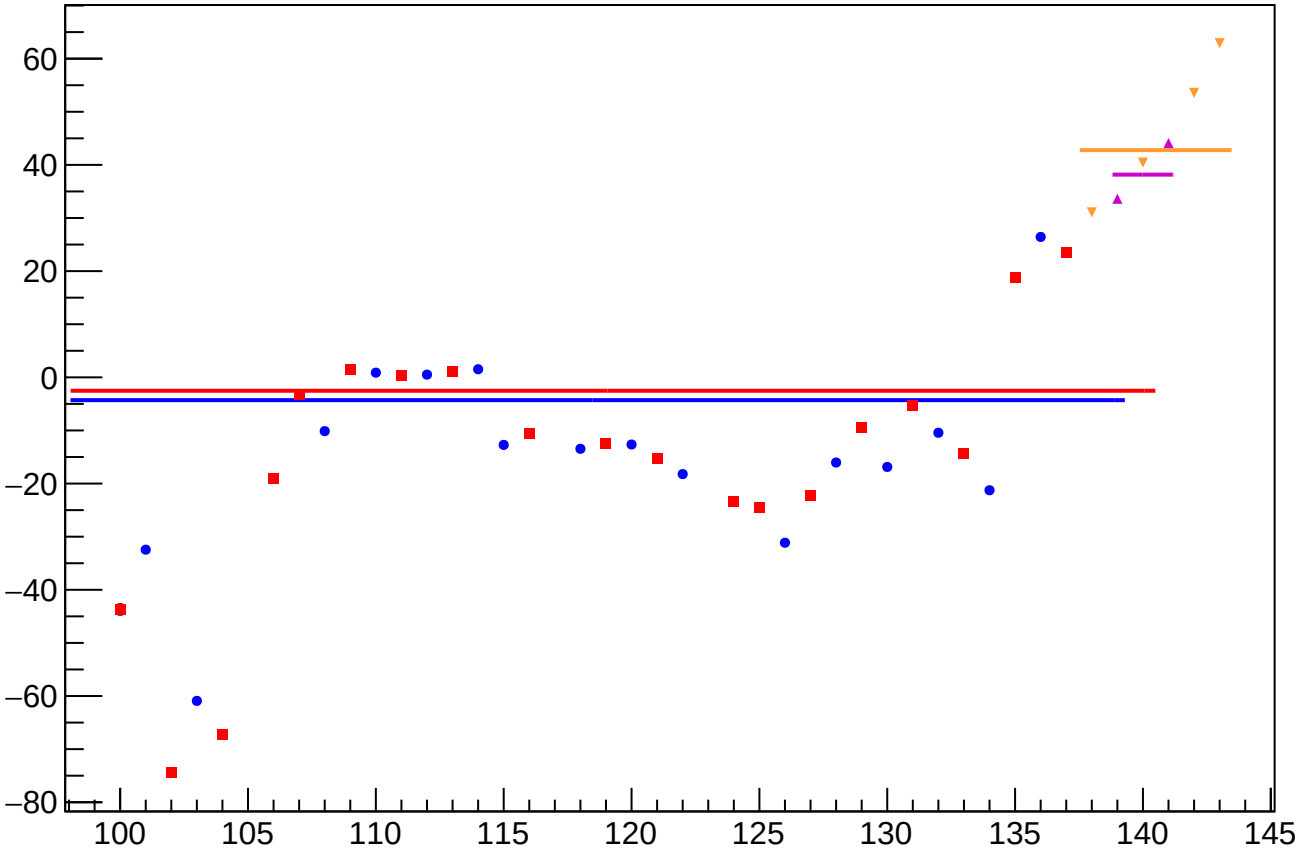
Left In: -0.259+/-0.006 χ^2/NDF:113.7/1

+ sign -0.293+/-0.003 χ^2/NDF: 12609.0/19

All: -0.242+/-0.002 χ^2/NDF: 28881.0/40

- sign -0.193+/-0.003 χ^2/NDF: 15792.8/20

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 42.777+/-0.125 χ^2/NDF:9245.0/3

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

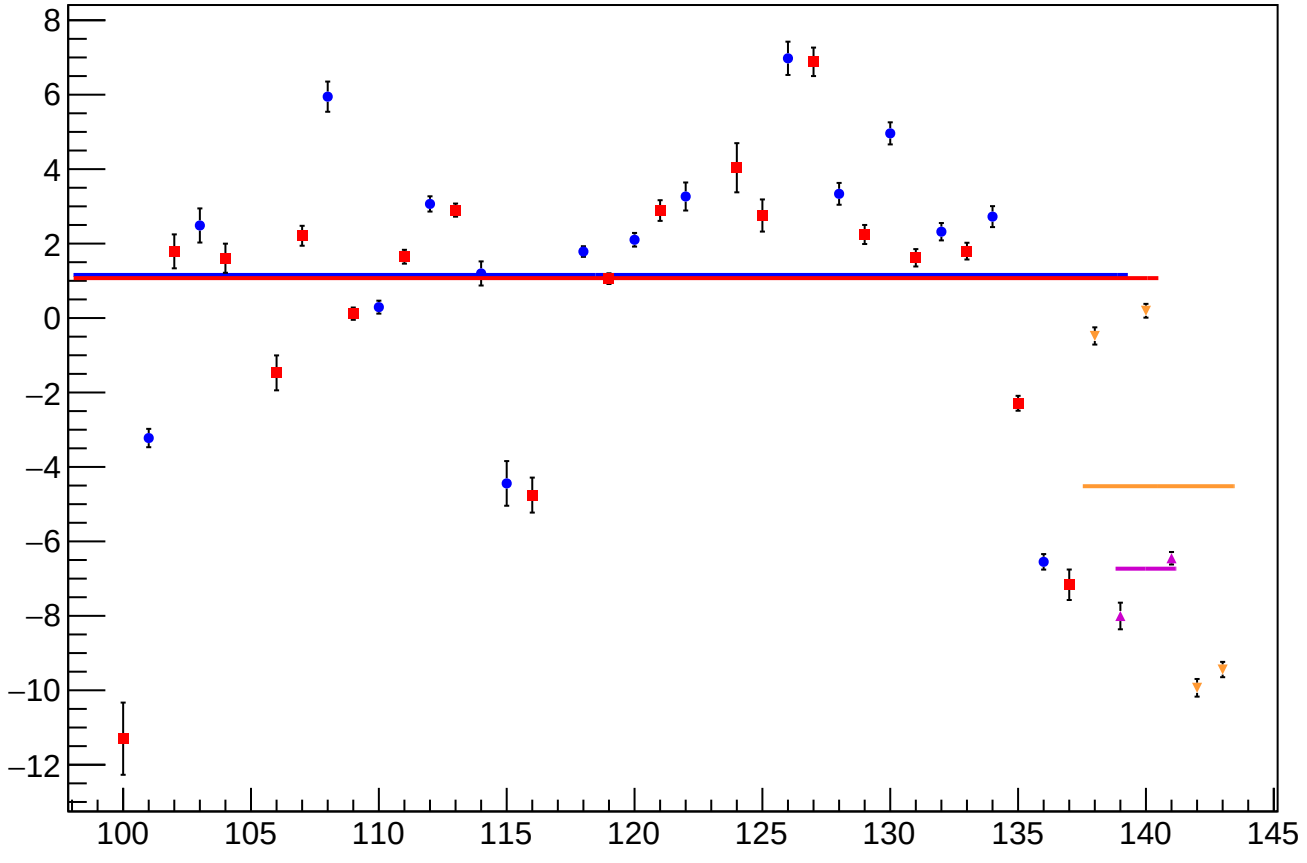
Left In: 38.164+/-0.150 χ^2/NDF:1201.9/1

+ sign 3.515+/-0.051 χ^2/NDF: 201827.9/19

All: 2.188+/-0.034 χ^2/NDF: 351133.3/40

- sign 1.149+/-0.045 χ^2/NDF: 148093.7/20

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -4.518+/-0.106 χ^2/NDF:2044.2/3

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

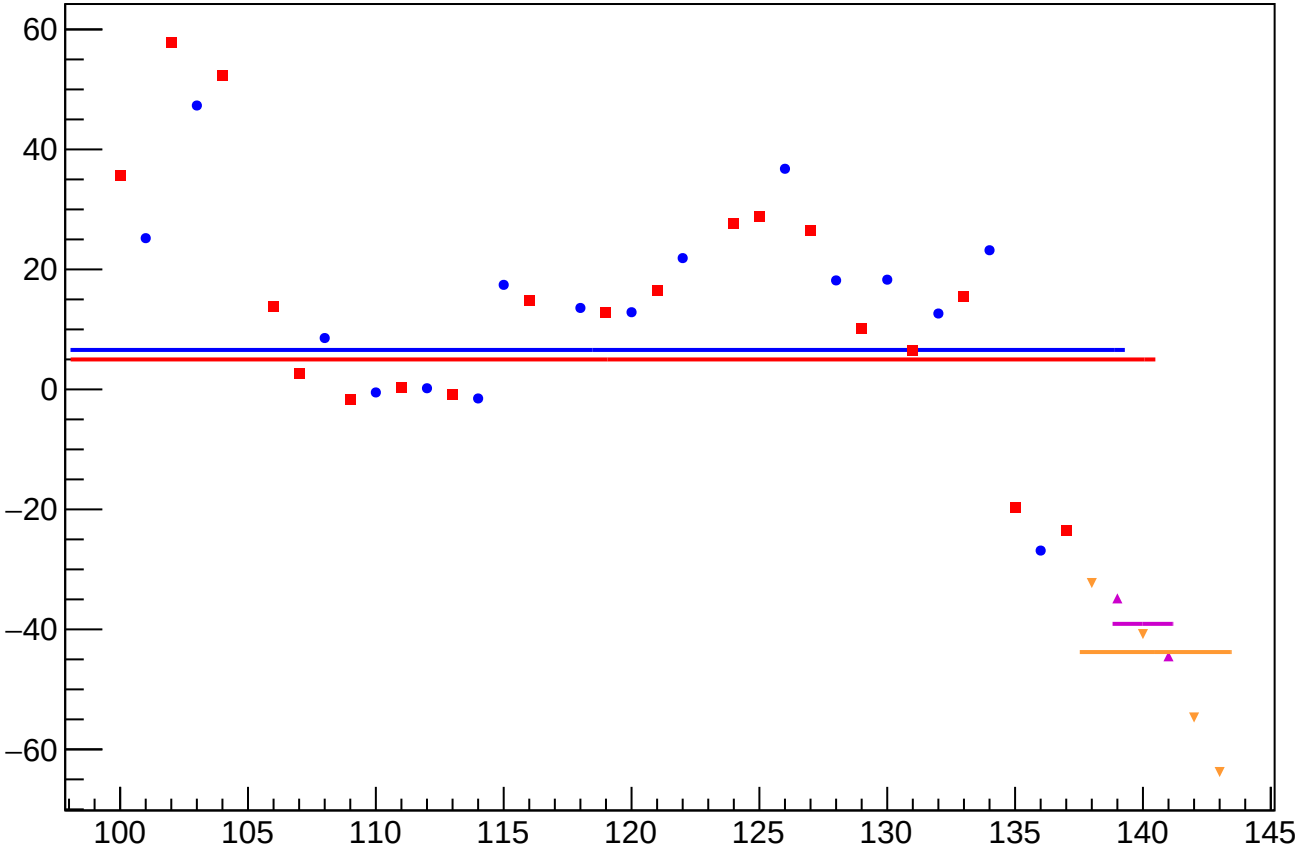
Left In: -6.733+/-0.152 χ^2/NDF:15.4/1

+ sign -0.274+/-0.053 χ^2/NDF: 6741.2/19

All: -0.106+/-0.038 χ^2/NDF: 10626.2/40

- sign 0.070+/-0.054 χ^2/NDF: 3864.7/20

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -43.778+/-0.129 χ^2/NDF:8545.8/3

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

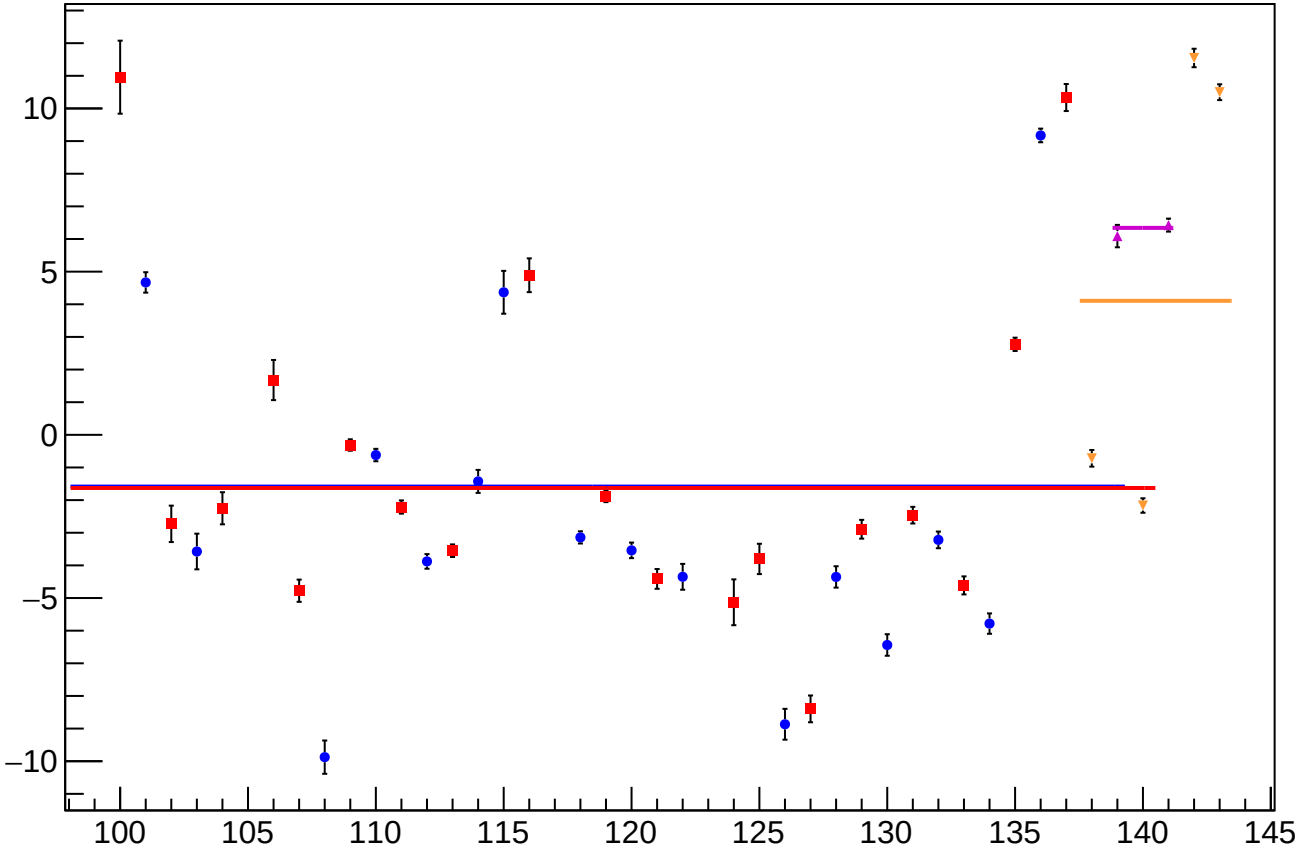
Left In: -39.079+/-0.155 χ^2/NDF:954.2/1

\+ sign -3.926+/-0.059 χ^2/NDF: 198265.2/19

All: -2.293+/-0.041 χ^2/NDF: 345184.0/40

\- sign -0.810+/-0.056 χ^2/NDF: 145460.7/20

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 4.106+/-0.124 χ^2/NDF:2547.4/3

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

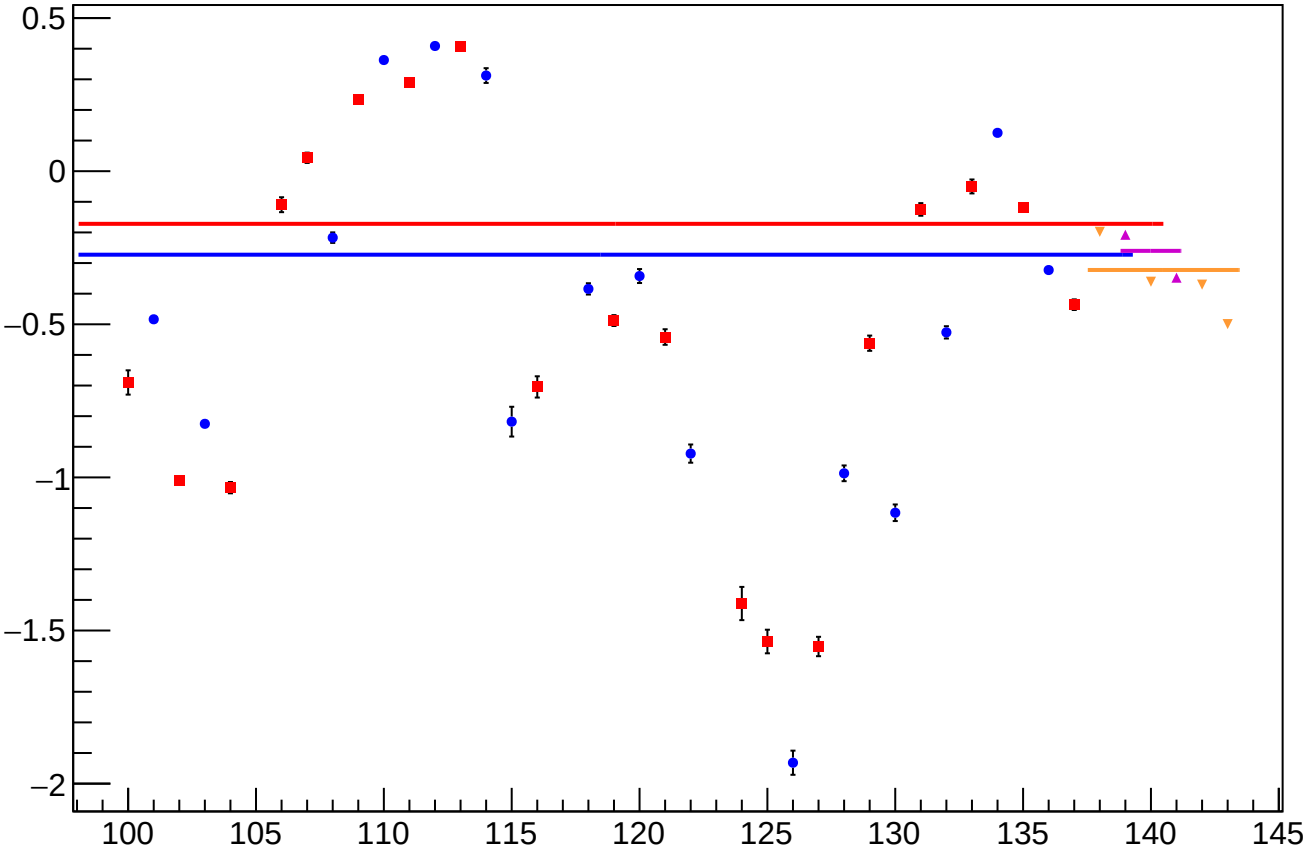
Left In: 6.341+/-0.172 χ^2/NDF:0.7/1

+ sign -0.183+/-0.061 χ^2/NDF: 8613.2/19

All: -0.397+/-0.043 χ^2/NDF: 12930.3/40

- sign -0.611+/-0.061 χ^2/NDF: 4292.8/20

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.323+/-0.005 χ^2/NDF:469.3/3

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

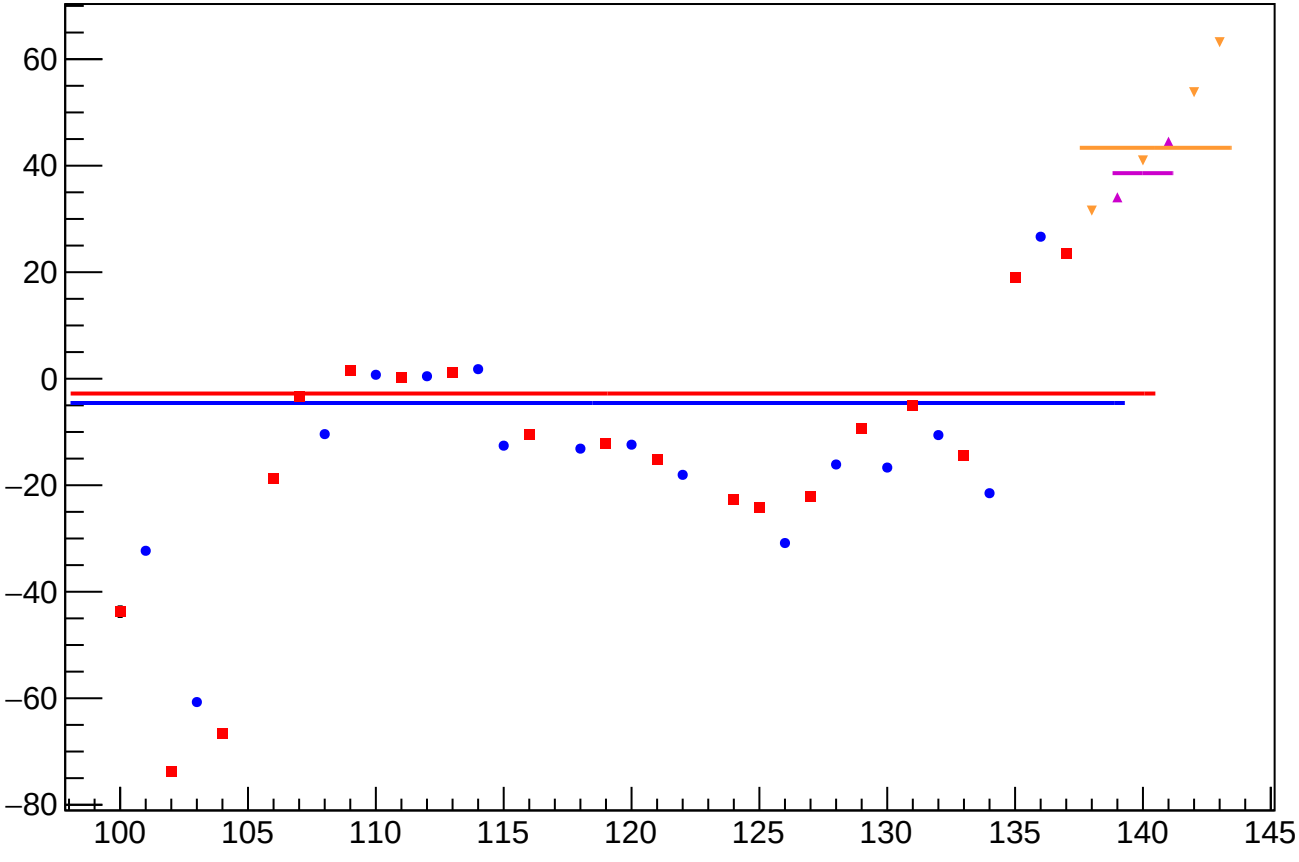
Left In: -0.260+/-0.006 χ^2/NDF:135.7/1

+ sign -0.292+/-0.003 χ^2/NDF: 12380.3/19

All: -0.245+/-0.002 χ^2/NDF: 28407.7/40

- sign -0.199+/-0.003 χ^2/NDF: 15617.4/20

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 43.359+/-0.128 χ^2/NDF:8751.8/3

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

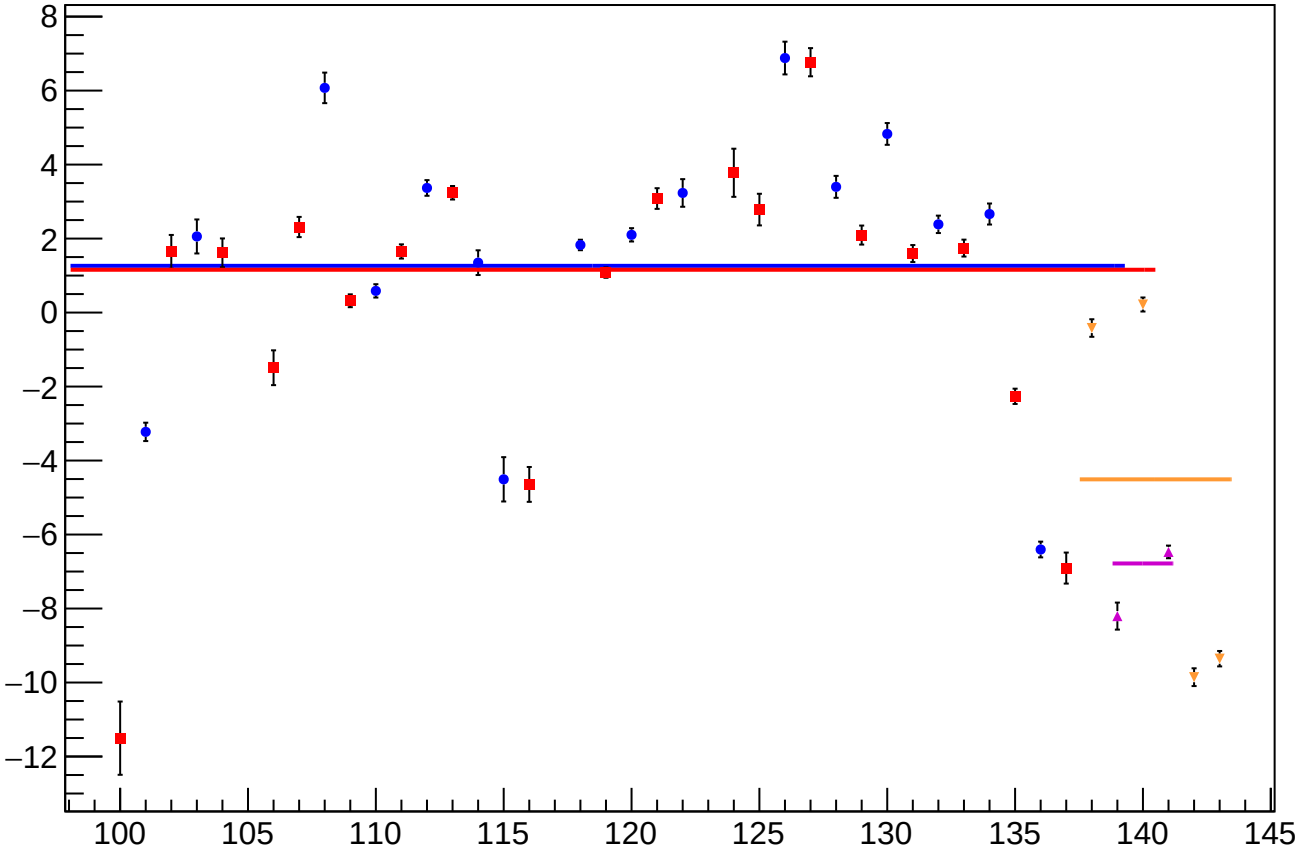
Left In: 38.597+/-0.153 χ^2/NDF:1143.1/1

+ sign 3.364+/-0.052 χ^2/NDF: 199027.6/19

All: 2.046+/-0.035 χ^2/NDF: 345669.8/40

- sign 0.998+/-0.046 χ^2/NDF: 145483.5/20

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -4.508+/-0.108 χ^2/NDF:1954.7/3

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

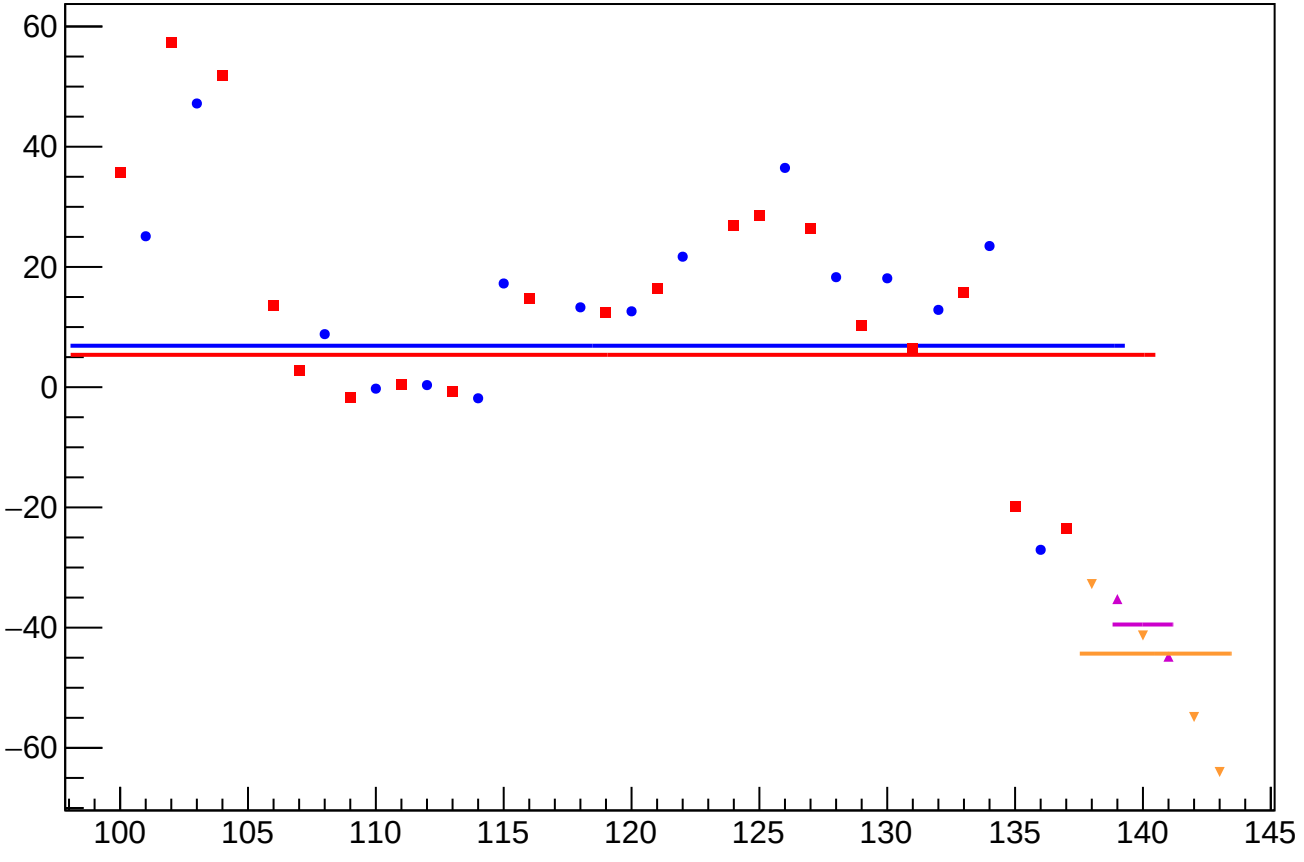
Left In: -6.782+/-0.155 χ^2/NDF:18.5/1

+ sign -0.171+/-0.054 χ^2/NDF: 6549.1/19

All: -0.015+/-0.039 χ^2/NDF: 10366.5/40

- sign 0.149+/-0.055 χ^2/NDF: 3800.1/20

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -44.321+/-0.132 χ^2/NDF:8084.1/3

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

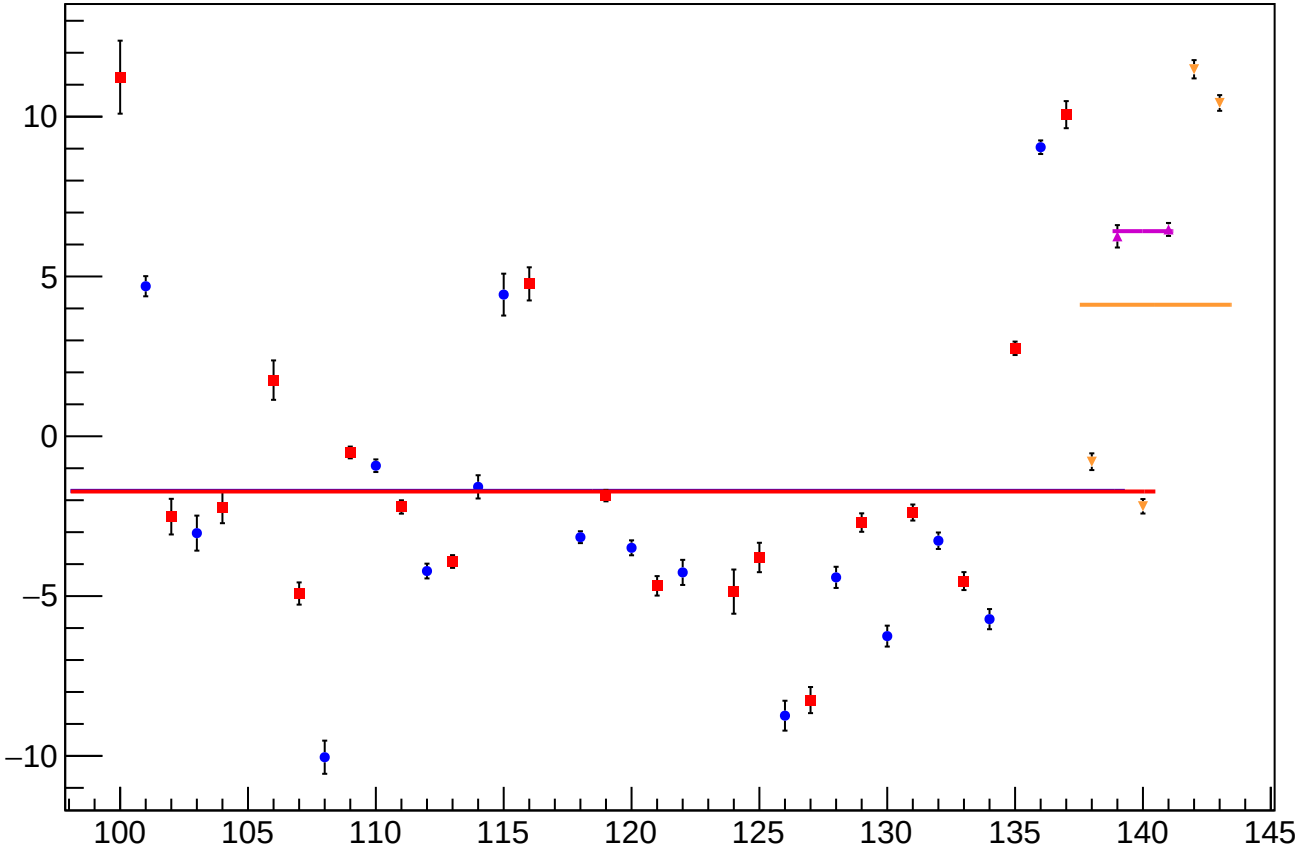
Left In: -39.479+/-0.158 χ^2/NDF:902.8/1

\+ sign -3.677+/-0.060 χ^2/NDF: 195449.0/19

All: -2.034+/-0.042 χ^2/NDF: 339676.2/40

\- sign -0.528+/-0.057 χ^2/NDF: 142791.2/20

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 4.115+/-0.126 χ^2/NDF:2450.0/3

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

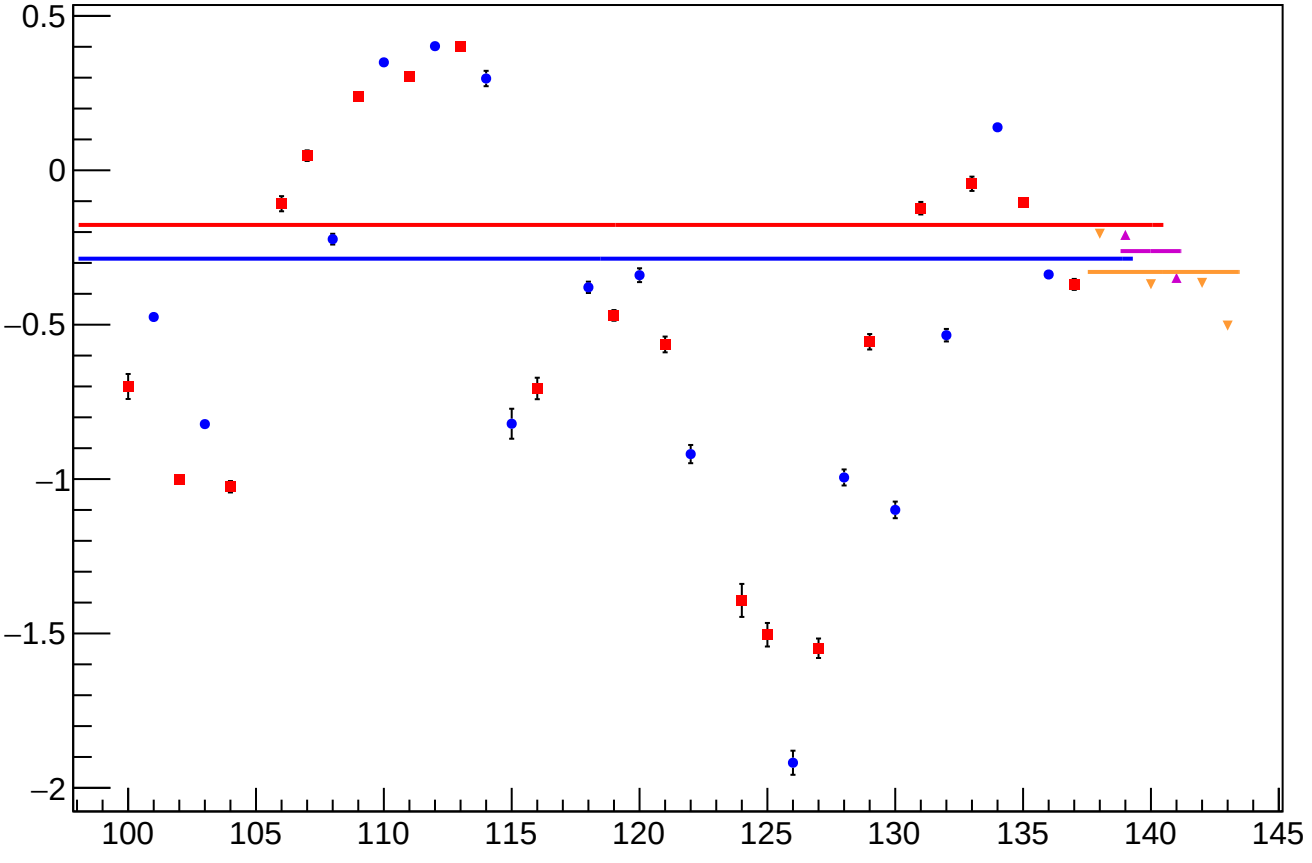
Left In: 6.418+/-0.176 χ^2/NDF:0.3/1

+ sign -0.290+/-0.062 χ^2/NDF: 8352.1/19

All: -0.492+/-0.044 χ^2/NDF: 12563.9/40

- sign -0.695+/-0.062 χ^2/NDF: 4190.7/20

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.329+/-0.005 χ^2/NDF:436.6/3

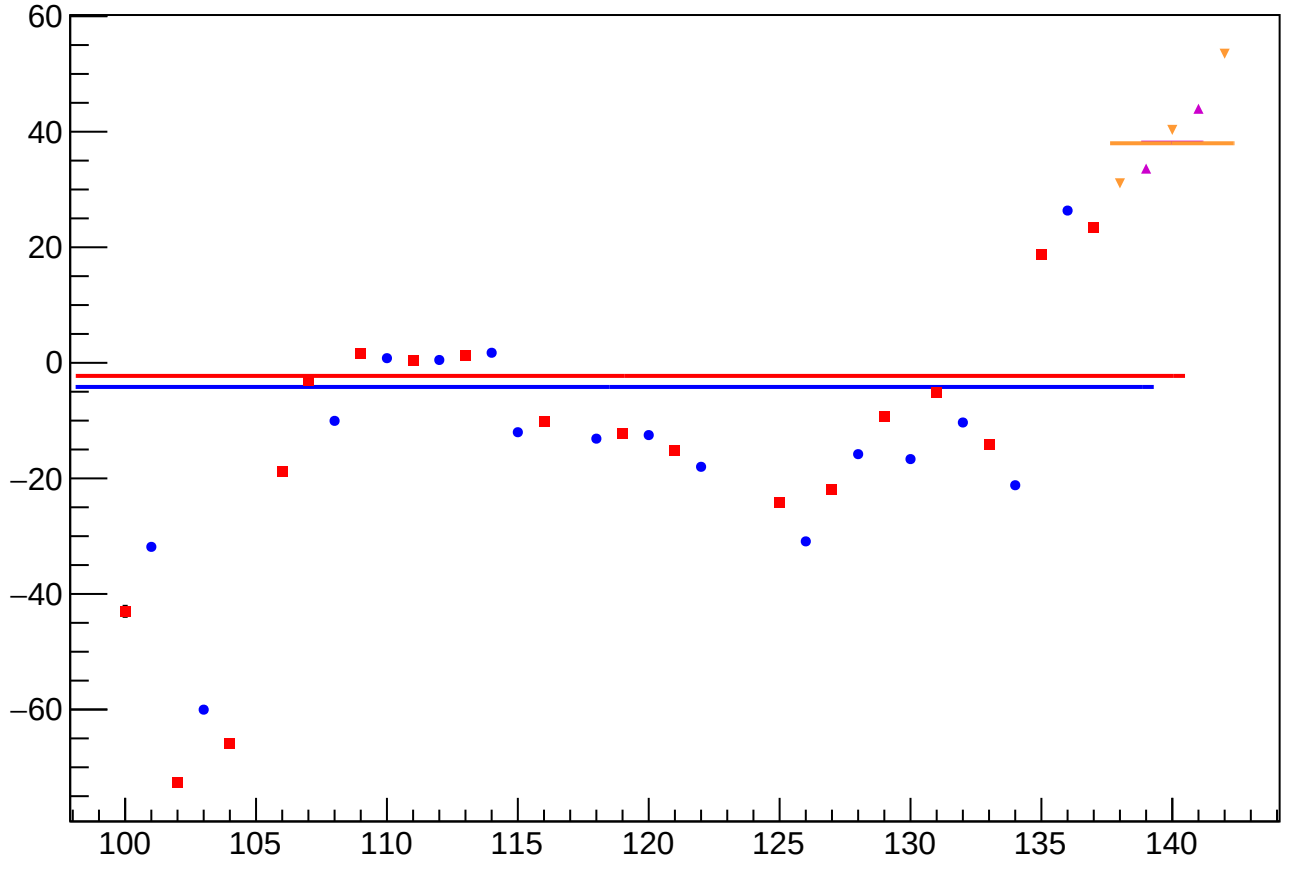
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.262+/-0.006 χ^2/NDF:128.8/1

+ sign -0.303+/-0.003 χ^2/NDF: 11836.7/19

All: -0.252+/-0.002 χ^2/NDF: 27327.7/40

- sign -0.203+/-0.003 χ^2/NDF: 15037.7/20



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 38.000+/-0.137 χ^2/NDF:3194.4/2

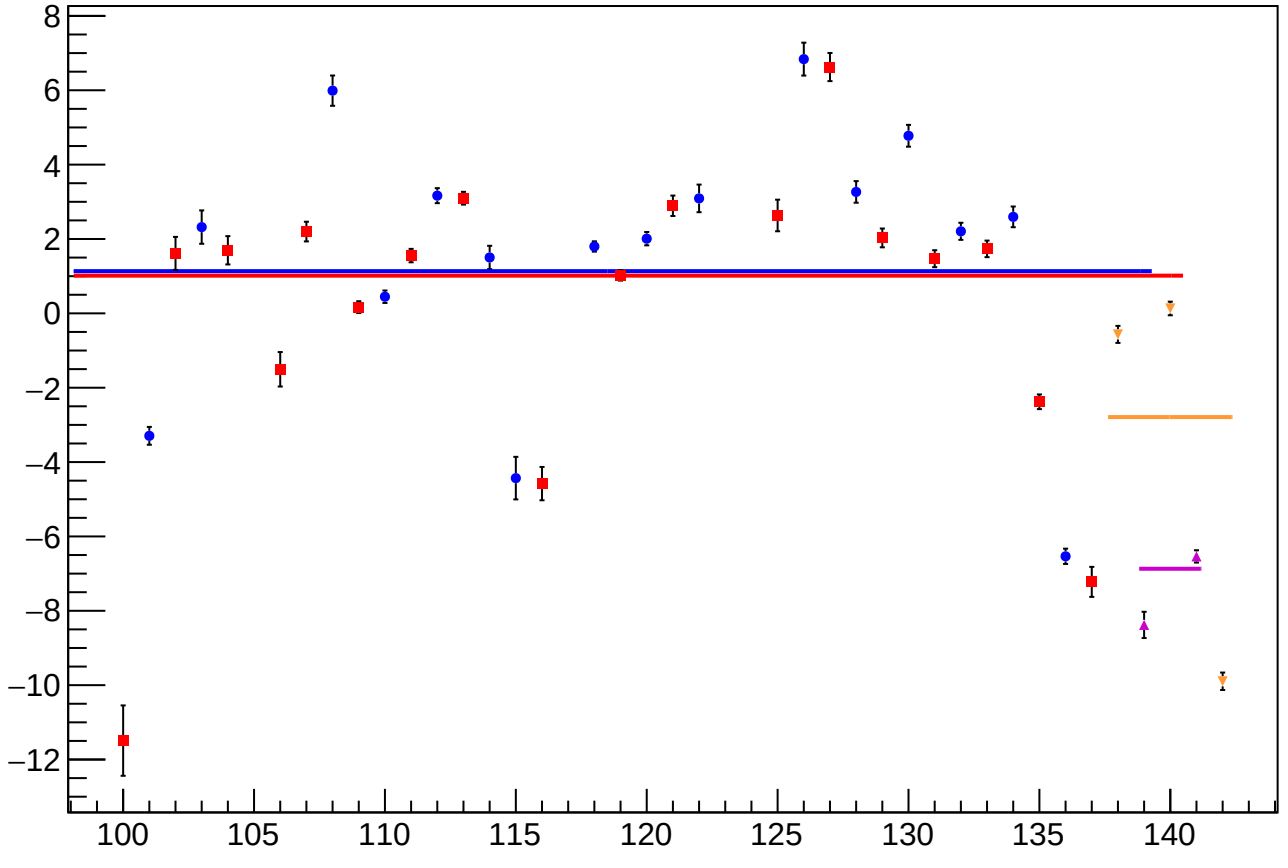
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 38.105+/-0.148 χ^2/NDF:1204.8/1

+ sign 1.565+/-0.051 χ^2/NDF: 160212.0/18

All: 1.417+/-0.033 χ^2/NDF: 308974.1/38

- sign 1.305+/-0.044 χ^2/NDF: 148747.0/19



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -2.790+/-0.122 χ^2/NDF:1268.6/2

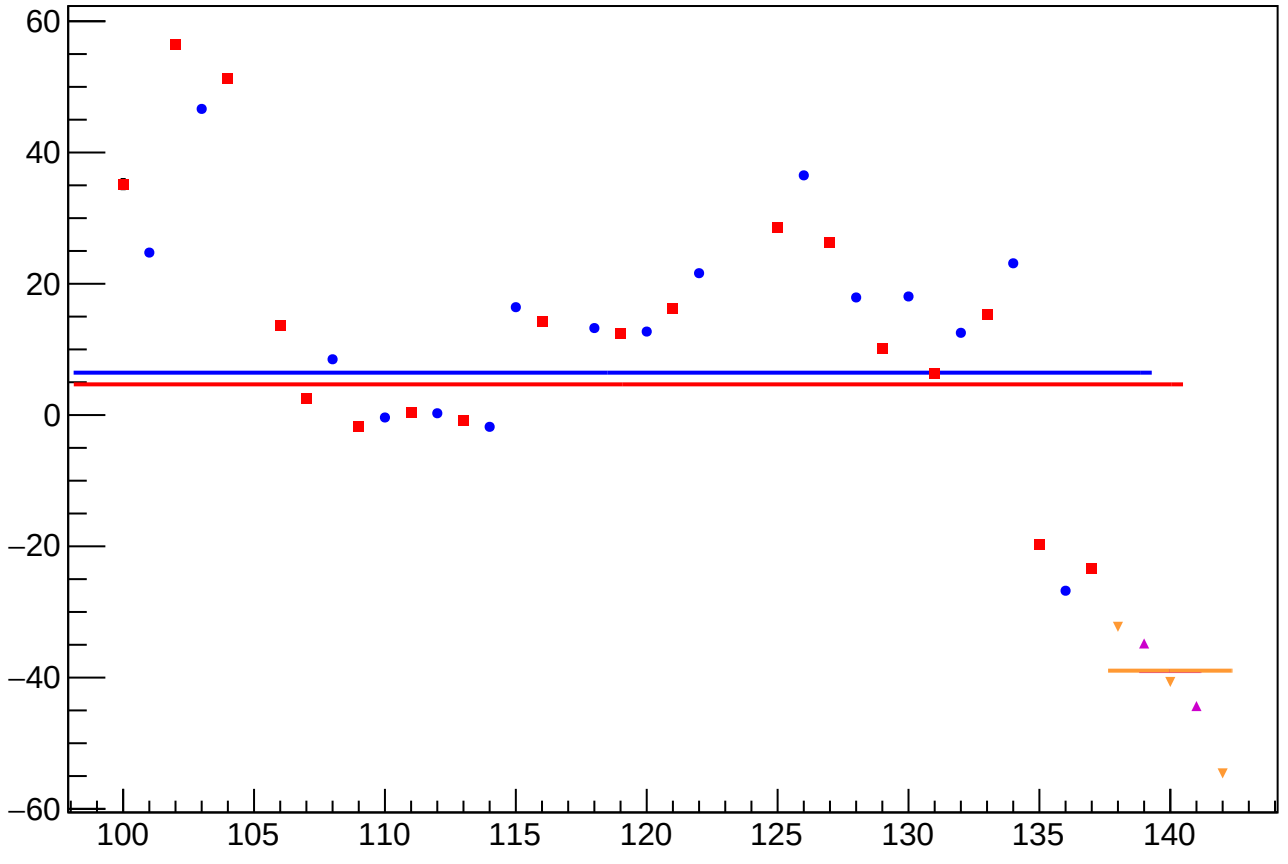
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -6.869+/-0.150 χ^2/NDF:22.3/1

+ sign 0.368+/-0.054 χ^2/NDF: 4695.8/18

All: 0.188+/-0.038 χ^2/NDF: 8748.5/38

- sign 0.012+/-0.053 χ^2/NDF: 4030.7/19



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -38.942+/-0.142 χ^2/NDF:2887.8/2

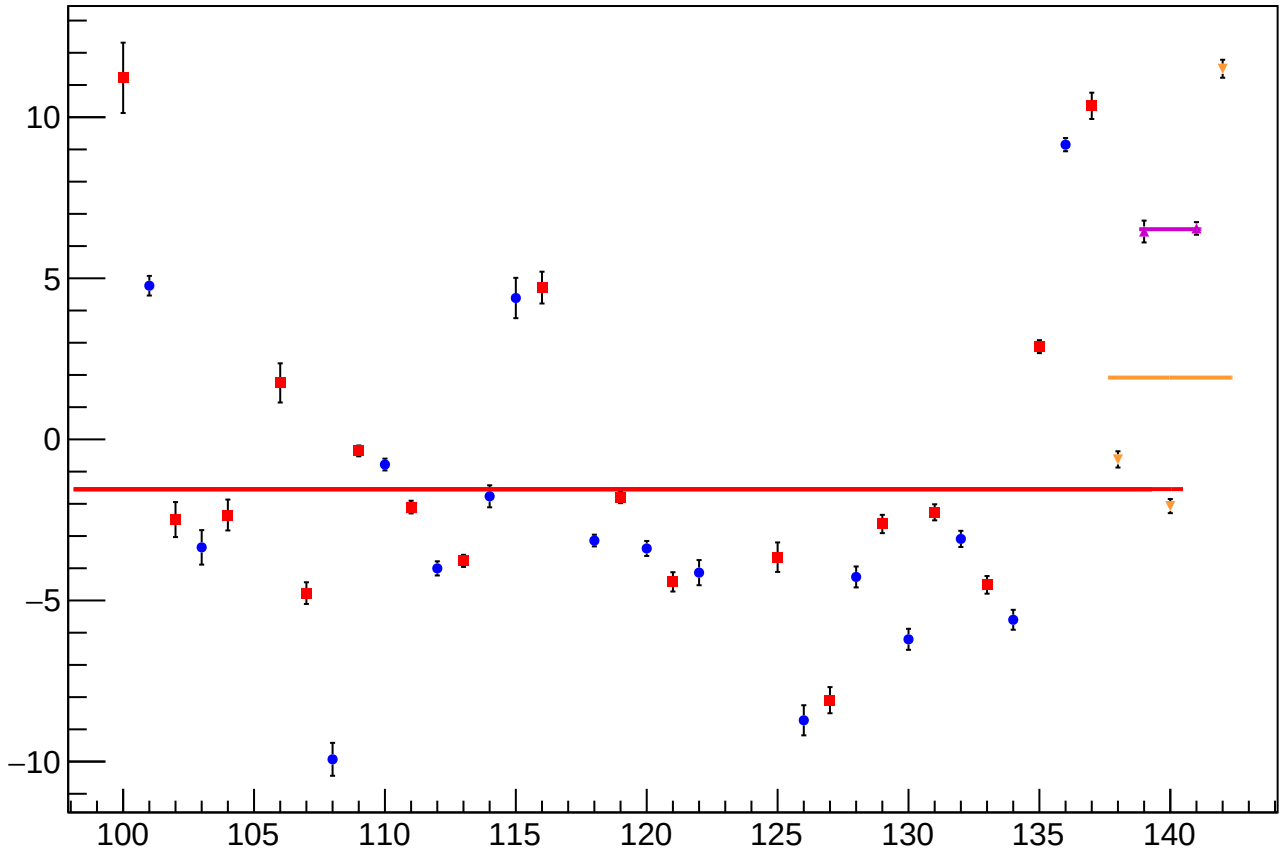
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -39.003+/-0.153 χ^2/NDF:957.1/1

\+ sign -1.380+/-0.059 χ^2/NDF: 158002.1/18

All: -1.170+/-0.040 χ^2/NDF: 304270.4/38

\- sign -0.988+/-0.055 χ^2/NDF: 146244.9/19



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 1.919+/-0.142 χ^2/NDF:1613.3/2

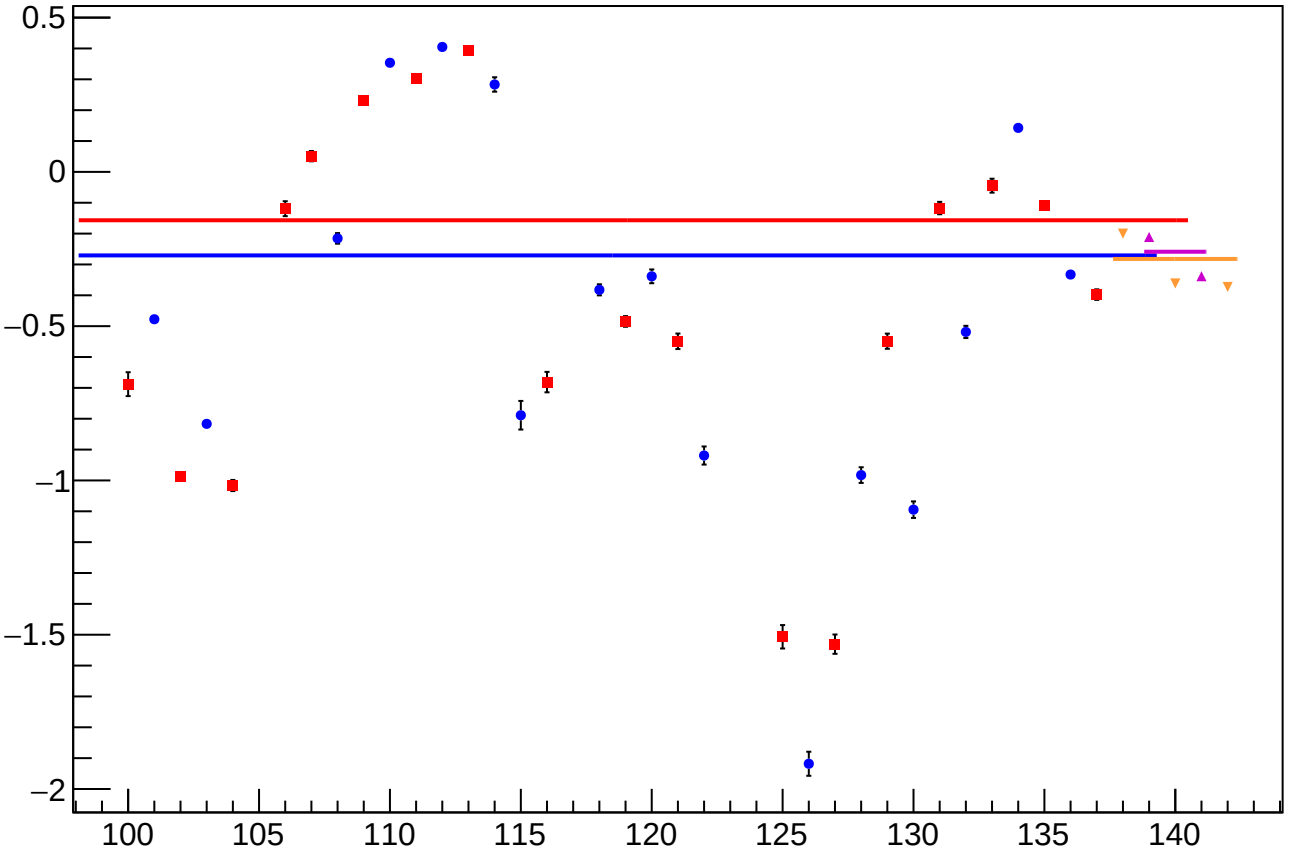
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 6.524+/-0.170 χ^2/NDF:0.1/1

\+ sign -0.886+/-0.062 χ^2/NDF: 6637.8/18

All: -0.699+/-0.043 χ^2/NDF: 11101.9/38

\- sign -0.523+/-0.060 χ^2/NDF: 4446.6/19



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.282+/-0.006 χ^2/NDF:203.3/2

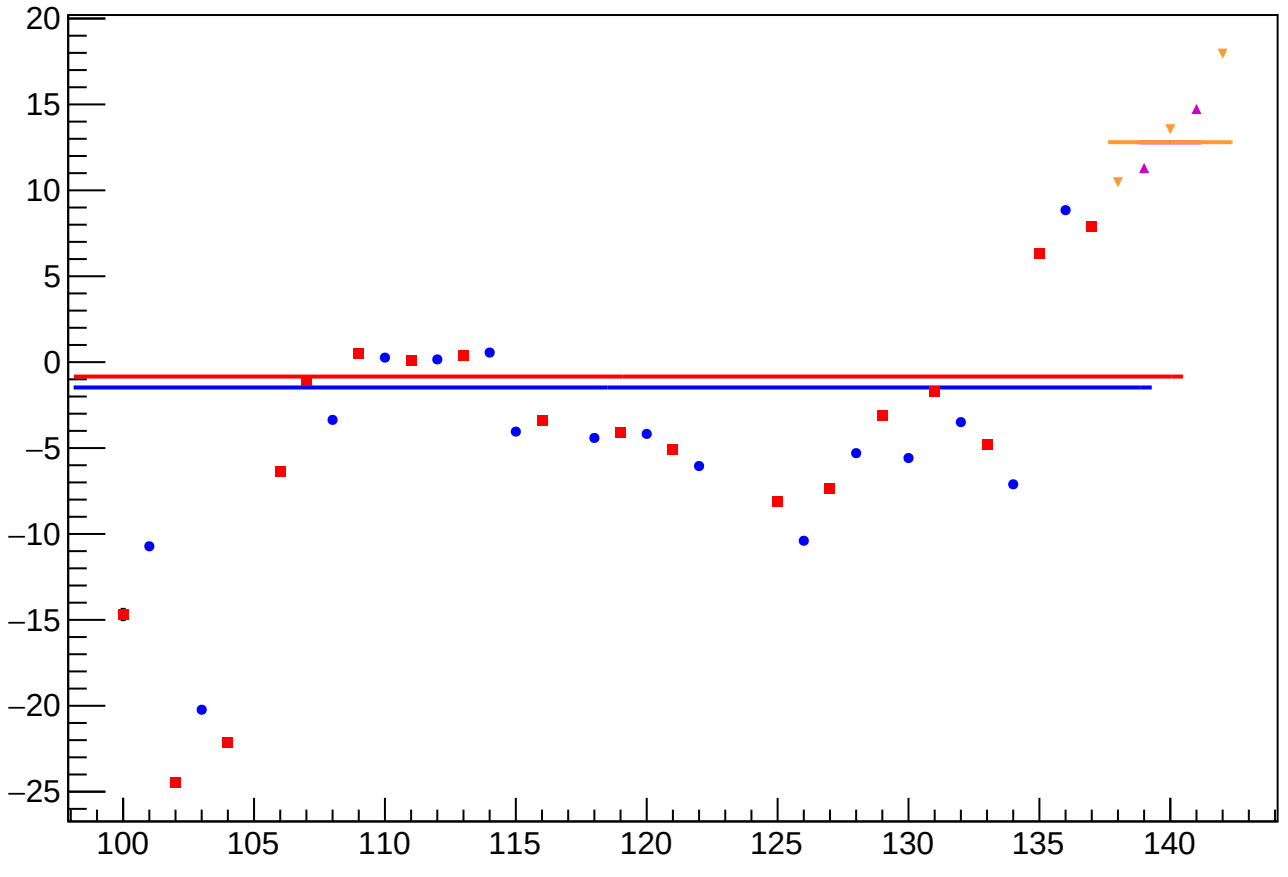
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.259+/-0.006 χ^2/NDF:115.0/1

\+ sign -0.275+/-0.003 χ^2/NDF: 12301.9/18

All: -0.228+/-0.002 χ^2/NDF: 28008.1/38

\- sign -0.188+/-0.003 χ^2/NDF: 15353.4/19



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 12.802+/-0.047 χ^2/NDF:3083.0/2

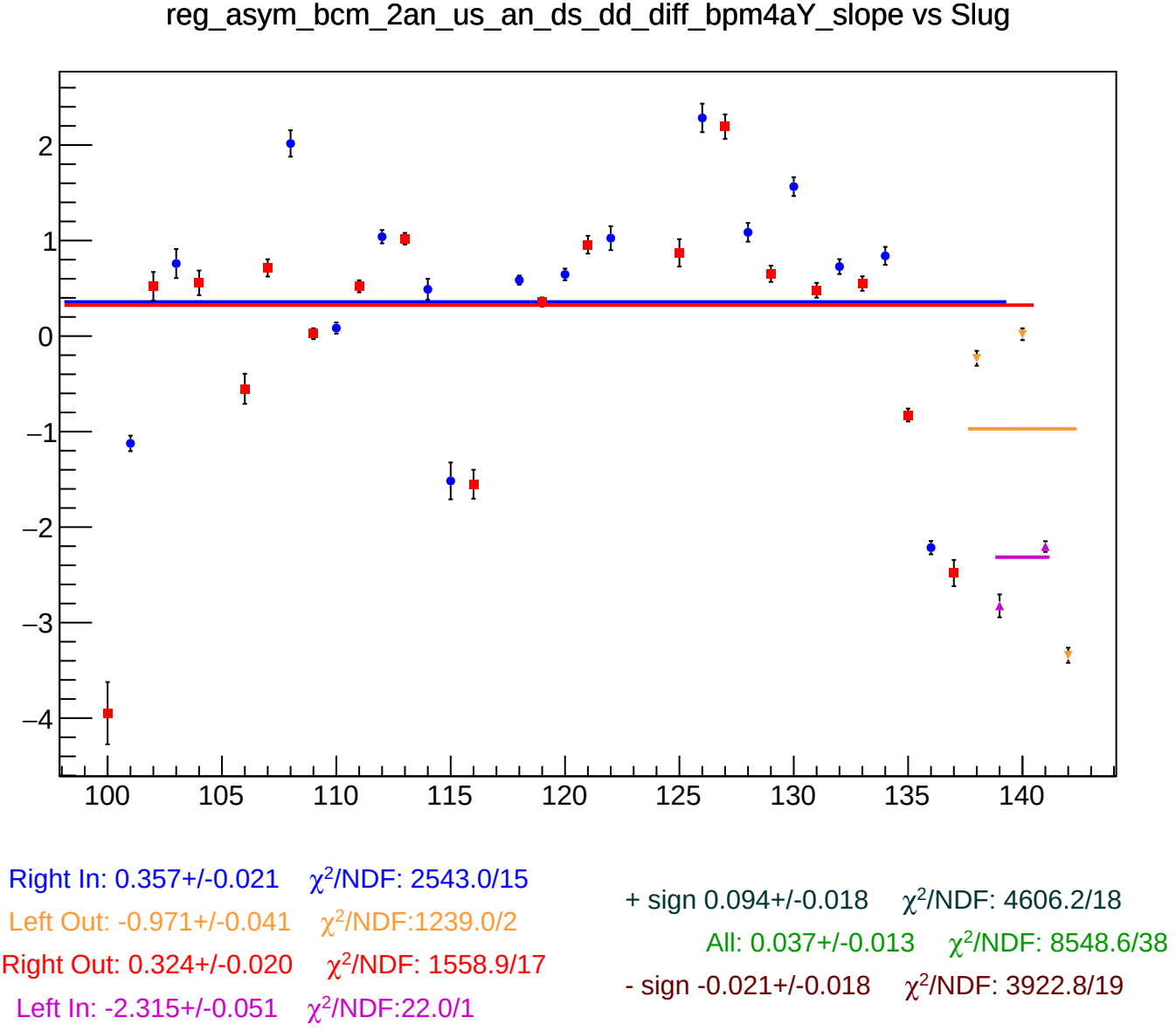
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

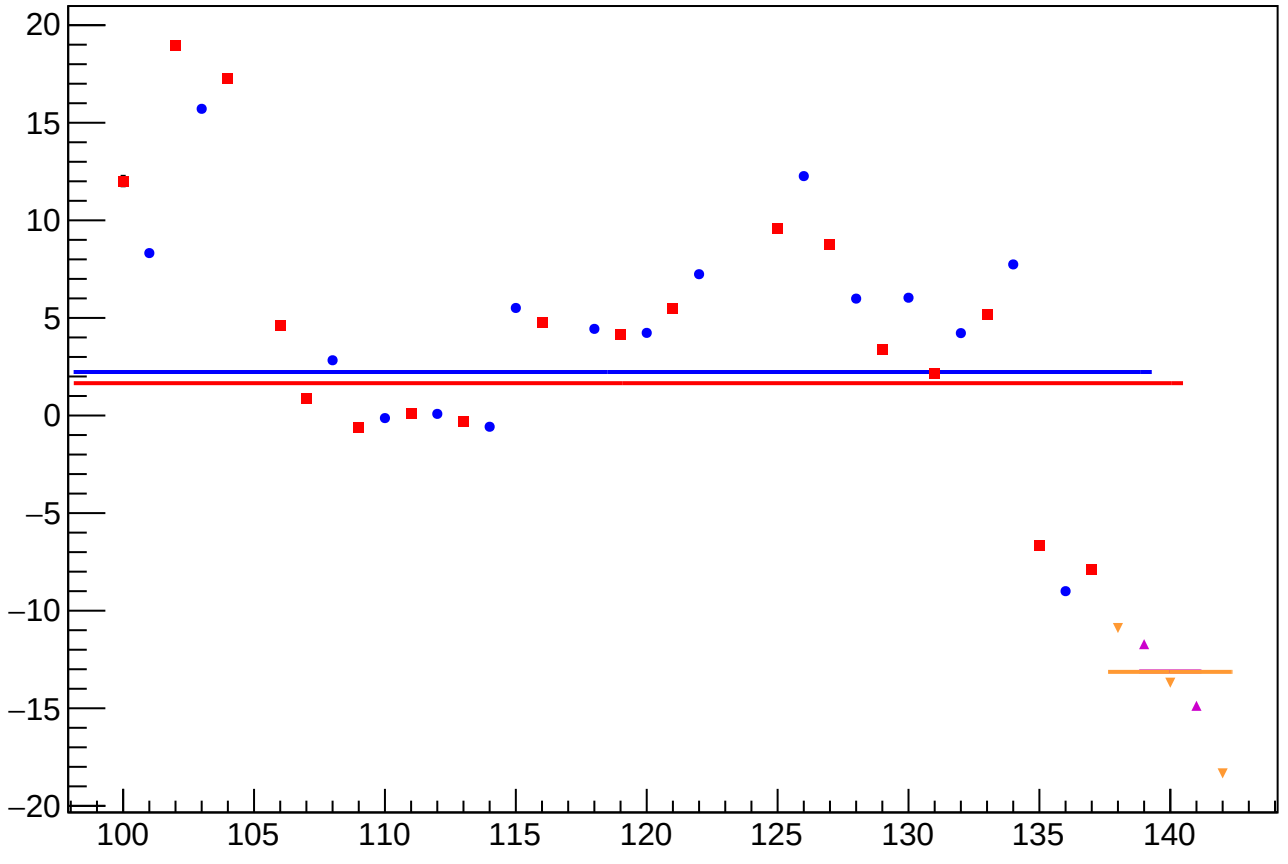
Left In: 12.794+/-0.050 χ^2/NDF:1148.1/1

+ sign 0.508+/-0.017 χ^2/NDF: 157396.6/18

All: 0.459+/-0.011 χ^2/NDF: 303392.6/38

- sign 0.421+/-0.015 χ^2/NDF: 145981.9/19


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: -0.971+/-0.041 χ²/NDF:1239.0/2
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: -2.315+/-0.051 χ²/NDF:22.0/1
+ sign 0.094+/-0.018 χ²/NDF: 4606.2/18
All: 0.037+/-0.013 χ²/NDF: 8548.6/38
- sign -0.021+/-0.018 χ²/NDF: 3922.8/19



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -13.134+/-0.048 χ^2/NDF:2787.4/2

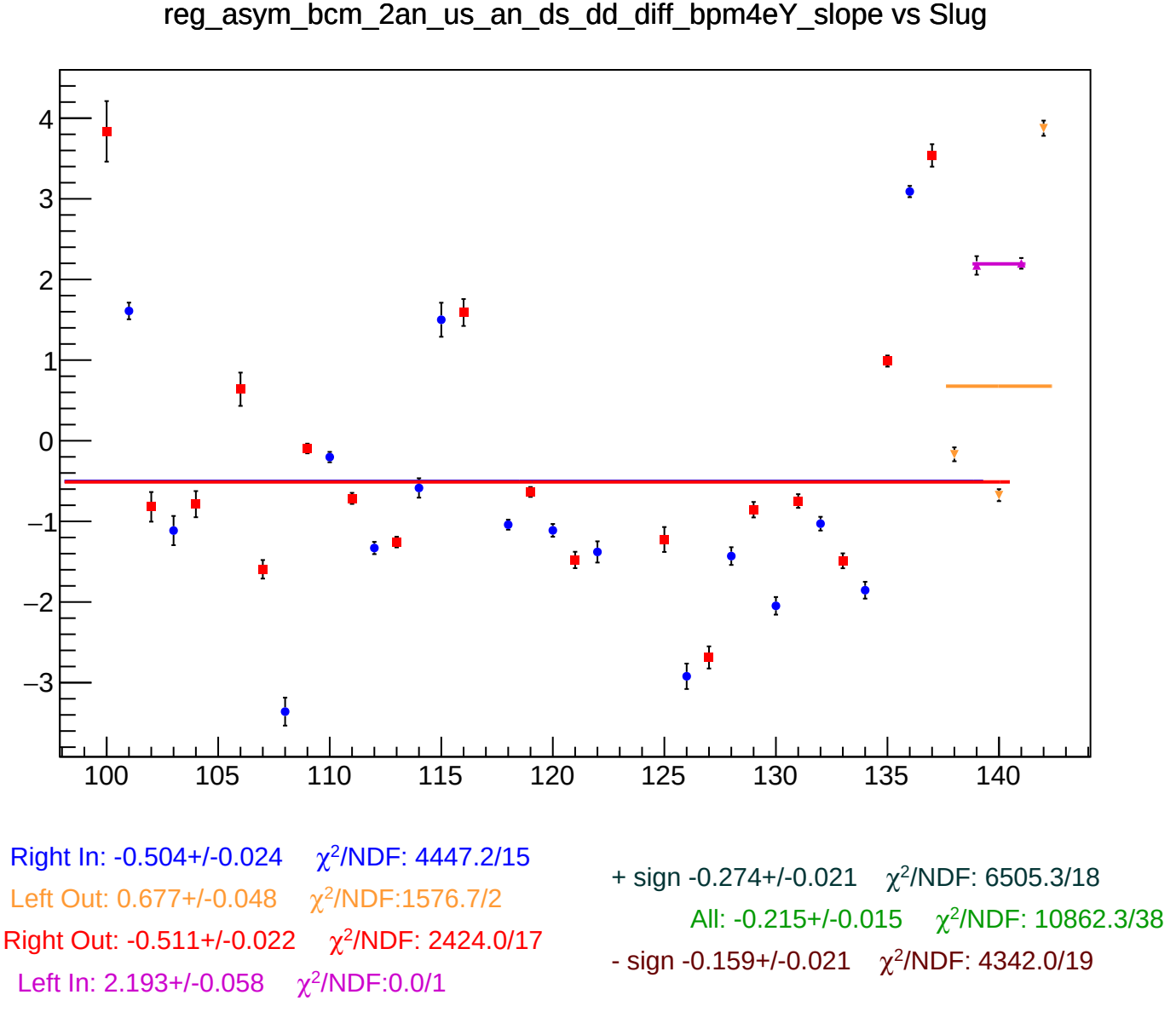
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

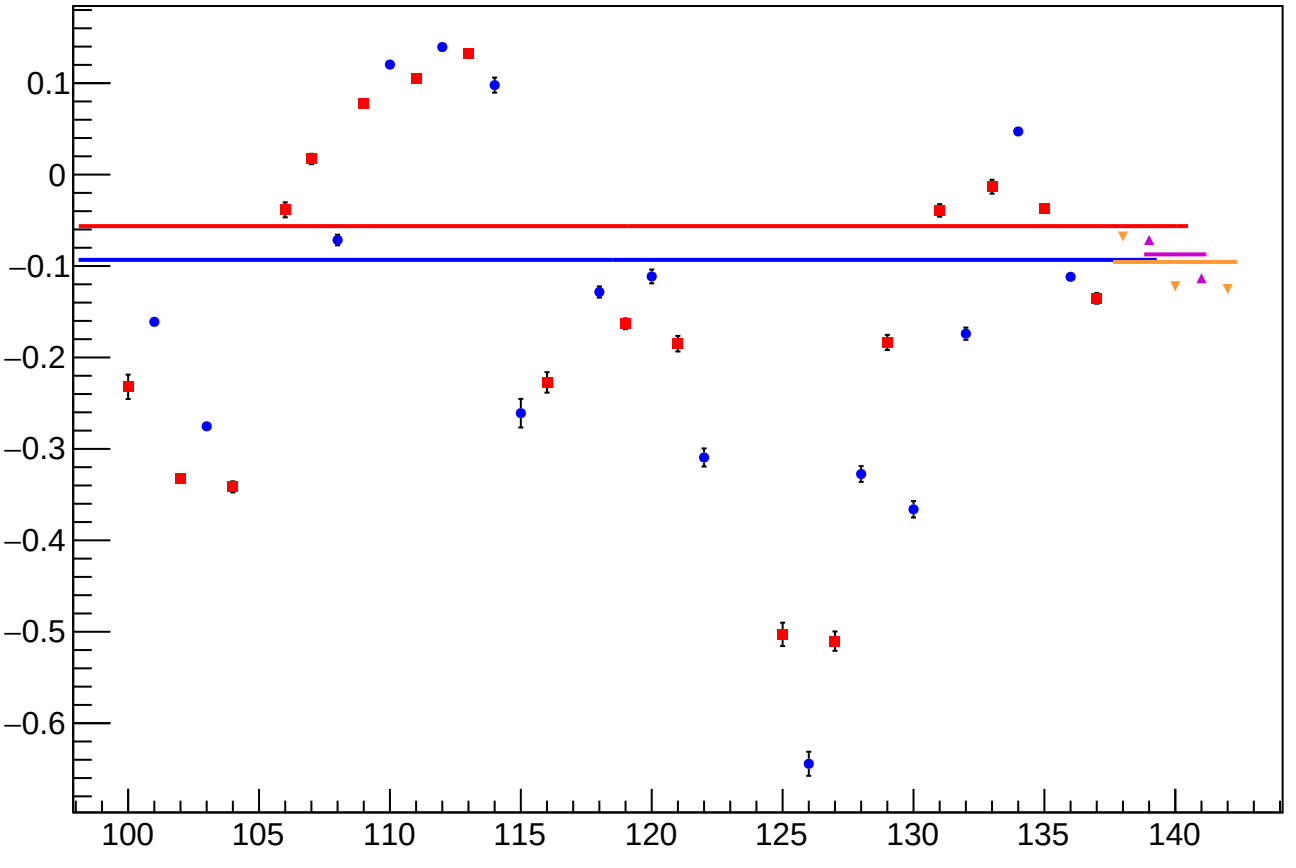
Left In: -13.112+/-0.052 χ^2/NDF:909.9/1

\+ sign -0.456+/-0.020 χ^2/NDF: 155236.8/18

All: -0.384+/-0.014 χ^2/NDF: 298834.9/38

\- sign -0.321+/-0.019 χ^2/NDF: 143574.6/19


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
4
3
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
Right In: -0.504+/-0.024 χ²/NDF: 4447.2/15
Left Out: 0.677+/-0.048 χ²/NDF:1576.7/2
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: 2.193+/-0.058 χ²/NDF:0.0/1
+ sign -0.274+/-0.021 χ²/NDF: 6505.3/18
All: -0.215+/-0.015 χ²/NDF: 10862.3/38
- sign -0.159+/-0.021 χ²/NDF: 4342.0/19



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.096+/-0.002 χ^2/NDF:197.3/2

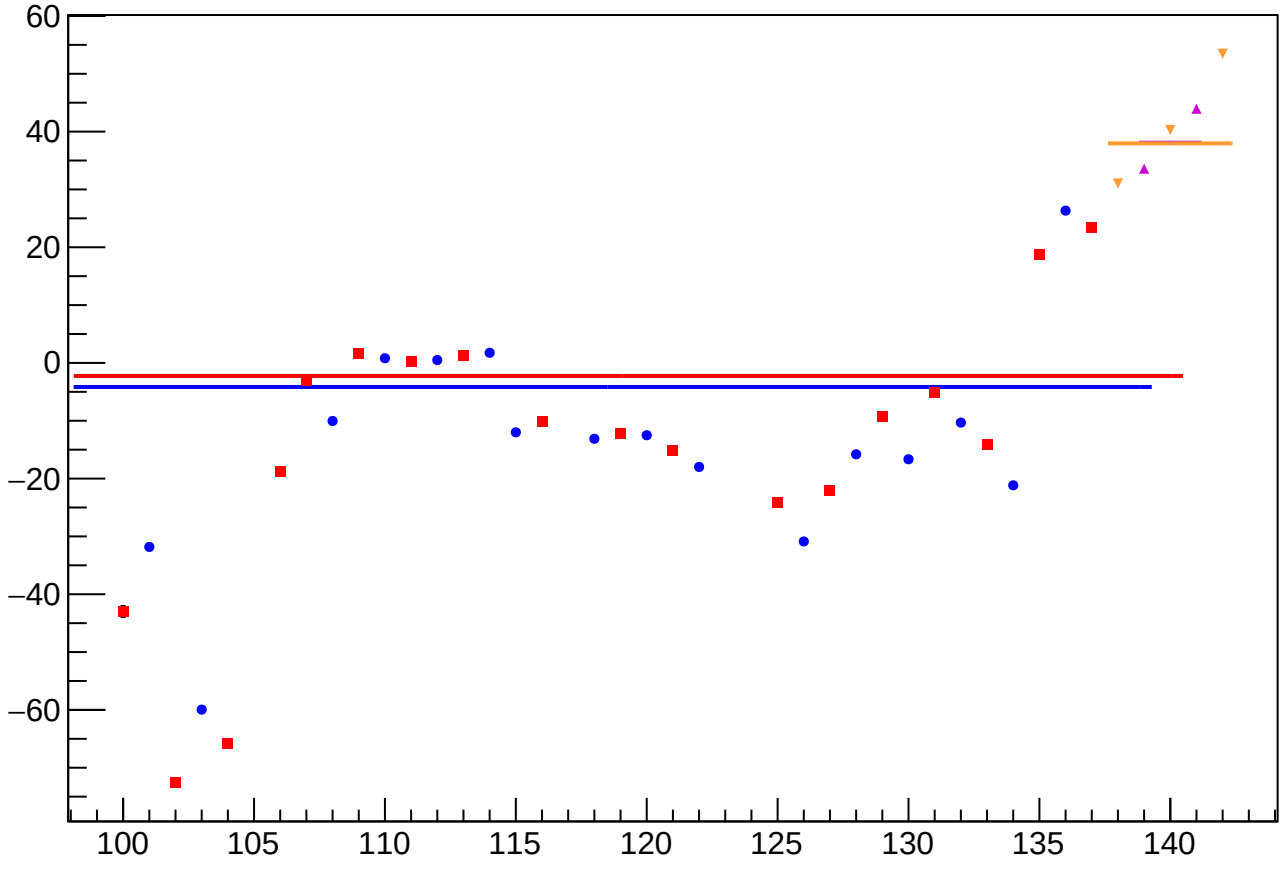
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.087+/-0.002 χ^2/NDF:108.4/1

+ sign -0.094+/-0.001 χ^2/NDF: 11940.5/18

All: -0.079+/-0.001 χ^2/NDF: 26995.3/38

- sign -0.066+/-0.001 χ^2/NDF: 14738.9/19



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 37.965+/-0.137 χ^2/NDF:3199.2/2

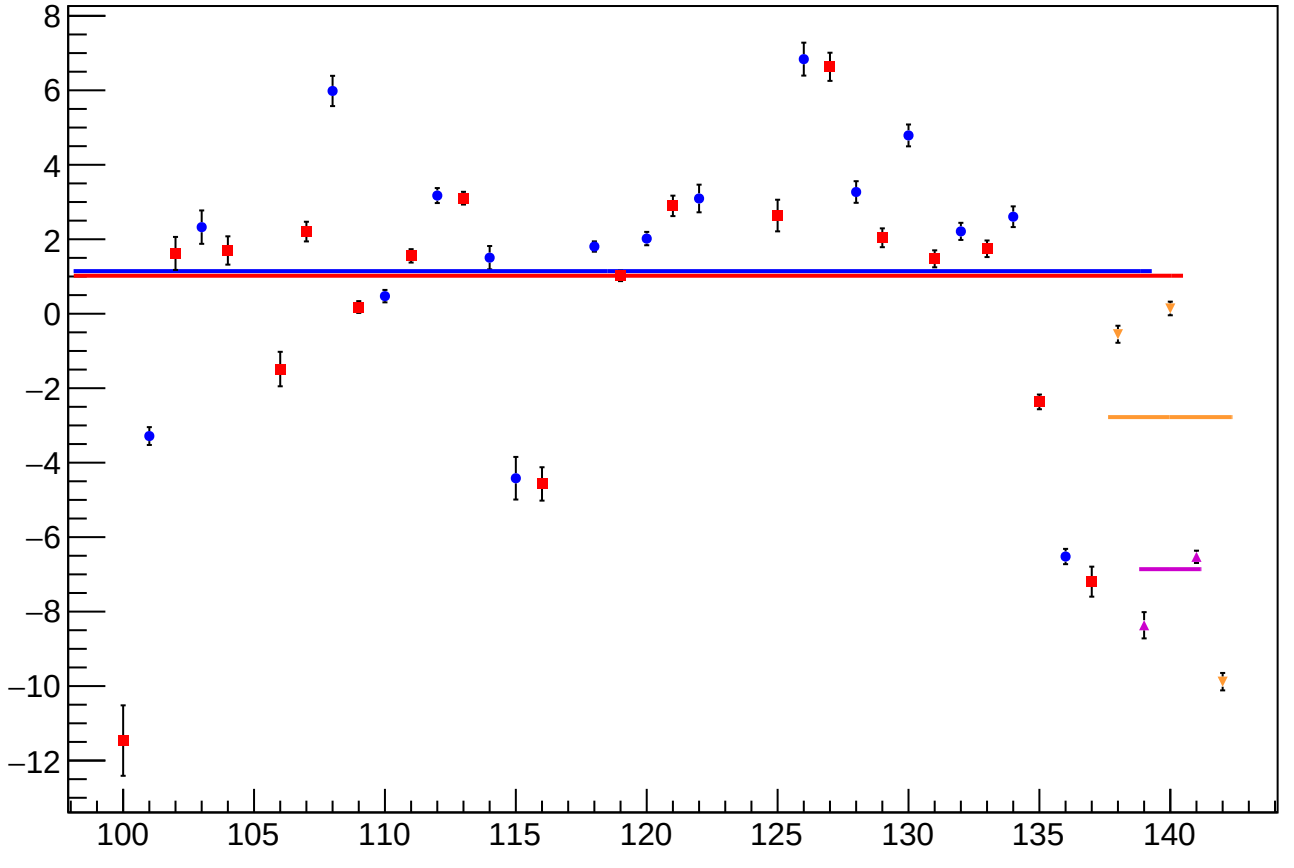
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 38.079+/-0.148 χ^2/NDF:1208.5/1

+ sign 1.568+/-0.051 χ^2/NDF: 160205.4/18

All: 1.419+/-0.033 χ^2/NDF: 308981.1/38

- sign 1.307+/-0.044 χ^2/NDF: 148760.5/19



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -2.776+/-0.122 χ^2/NDF:1269.6/2

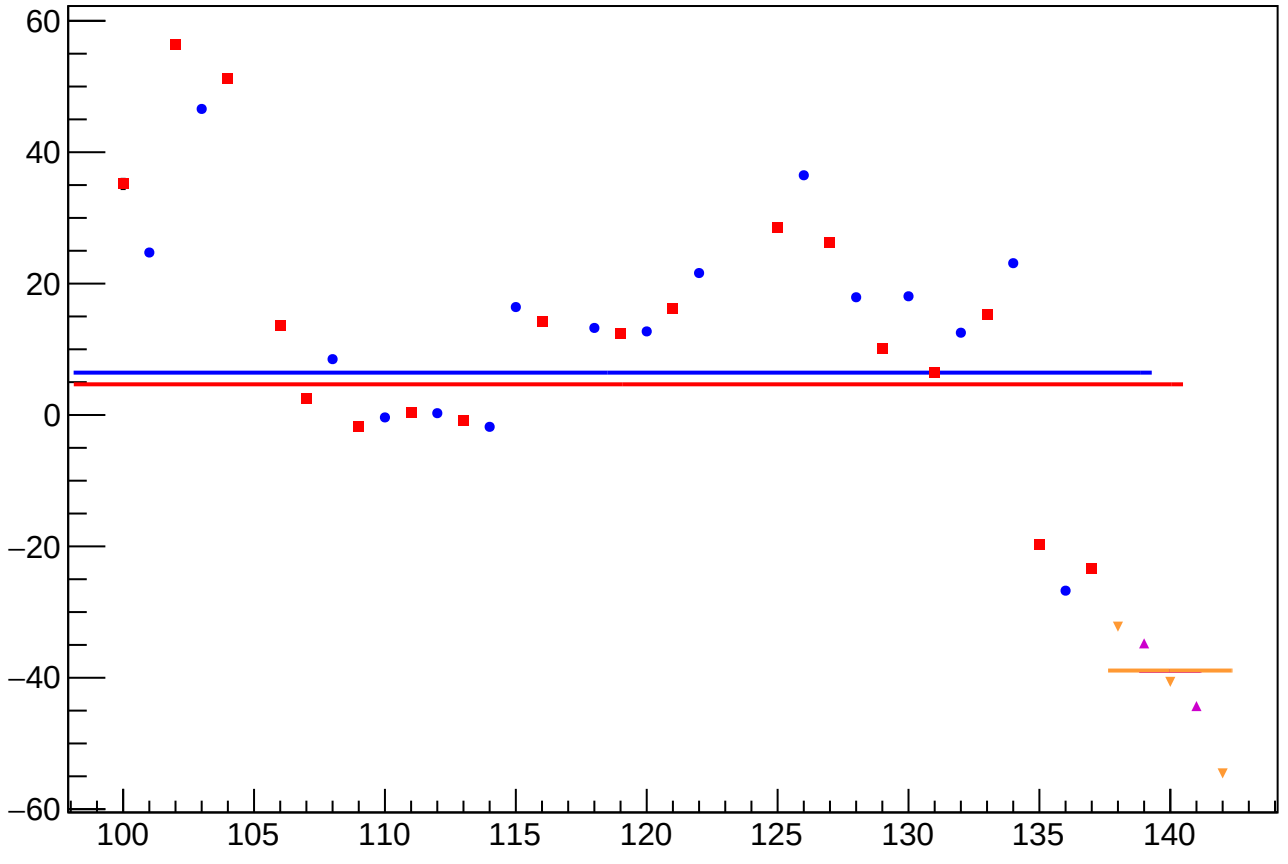
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -6.860+/-0.150 χ^2/NDF:22.3/1

+ sign 0.378+/-0.054 χ^2/NDF: 4695.9/18

All: 0.197+/-0.038 χ^2/NDF: 8749.3/38

- sign 0.019+/-0.053 χ^2/NDF: 4031.0/19



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -38.900+/-0.142 χ^2/NDF:2892.2/2

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

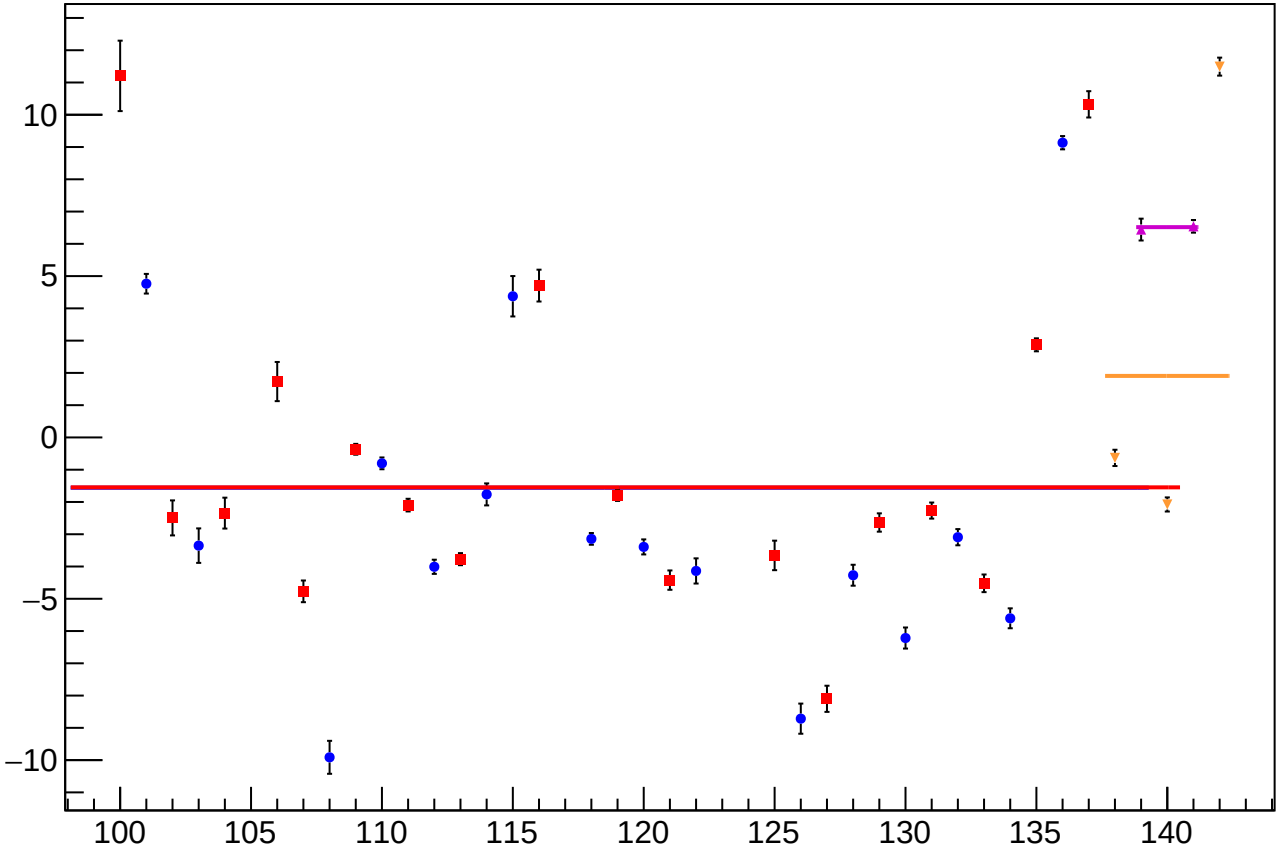
Left In: -38.970+/-0.153 χ^2/NDF:960.4/1

\+ sign -1.377+/-0.059 χ^2/NDF: 157991.9/18

All: -1.167+/-0.040 χ^2/NDF: 304265.1/38

\- sign -0.984+/-0.055 χ^2/NDF: 146249.4/19

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 1.907+/-0.142 χ^2/NDF:1614.5/2

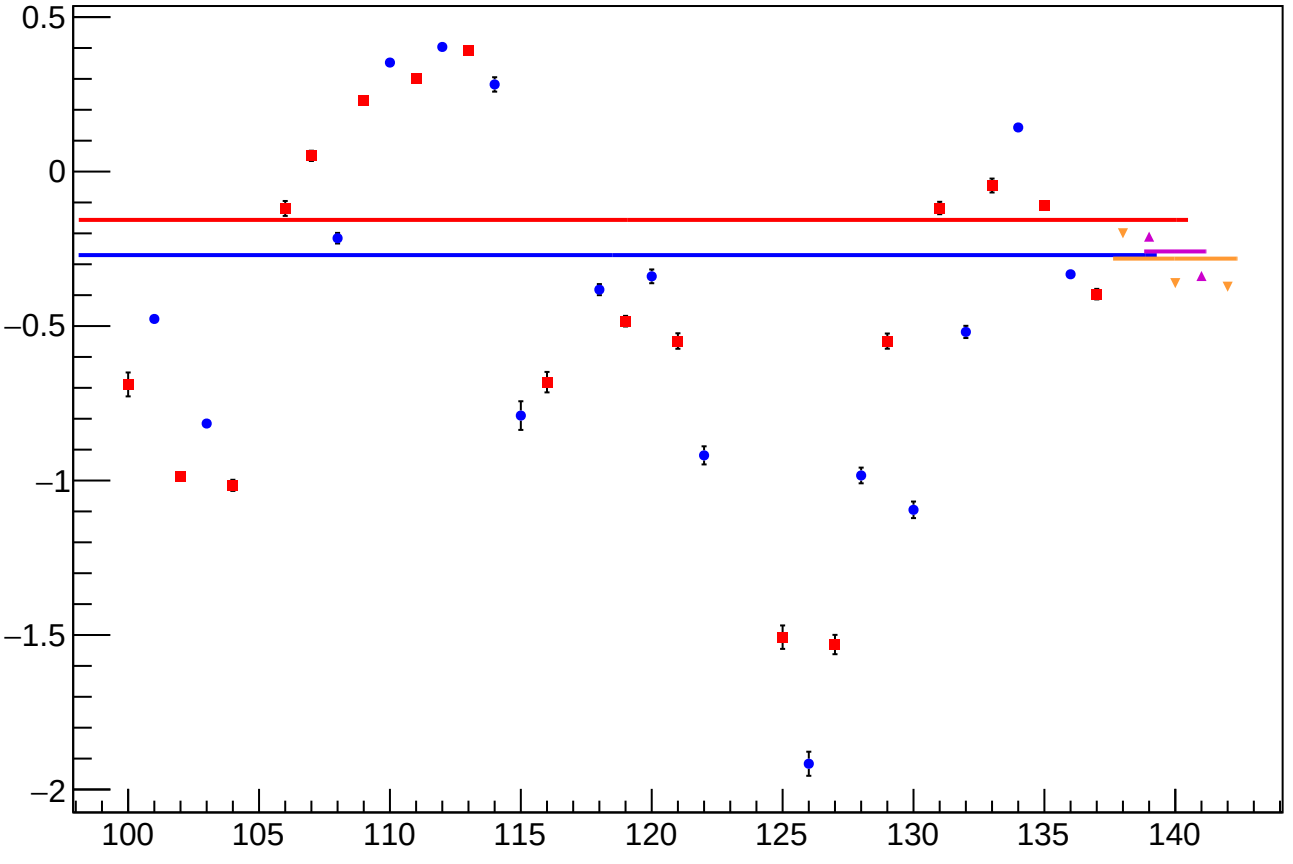
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 6.517+/-0.170 χ^2/NDF:0.1/1

+ sign -0.894+/-0.062 χ^2/NDF: 6637.9/18

All: -0.705+/-0.043 χ^2/NDF: 11101.0/38

- sign -0.528+/-0.060 χ^2/NDF: 4445.2/19



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.282+/-0.006 χ^2/NDF:203.4/2

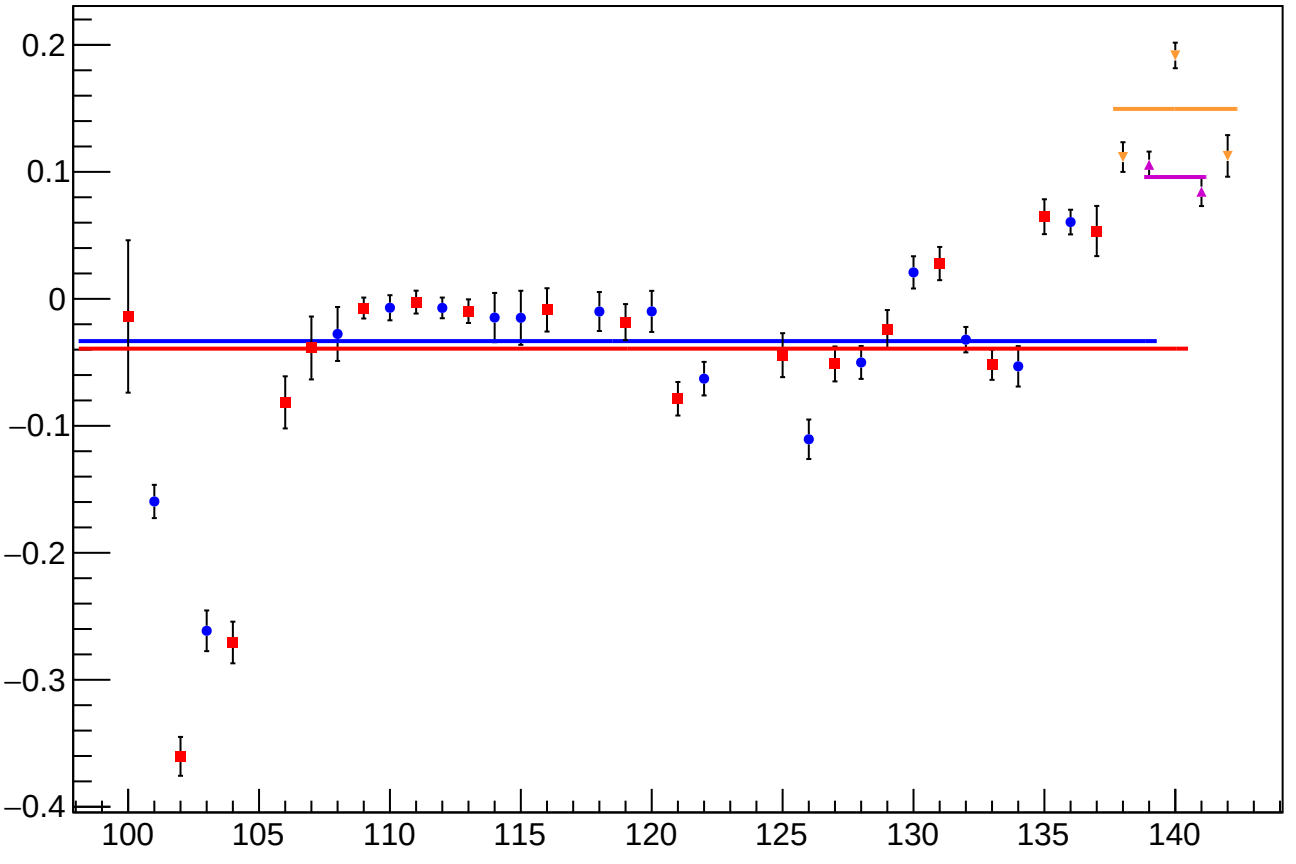
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.259+/-0.006 χ^2/NDF:115.5/1

+ sign -0.274+/-0.003 χ^2/NDF: 12302.8/18

All: -0.228+/-0.002 χ^2/NDF: 28021.9/38

- sign -0.187+/-0.003 χ^2/NDF: 15365.8/19



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.150+/-0.007 χ^2/NDF:33.1/2

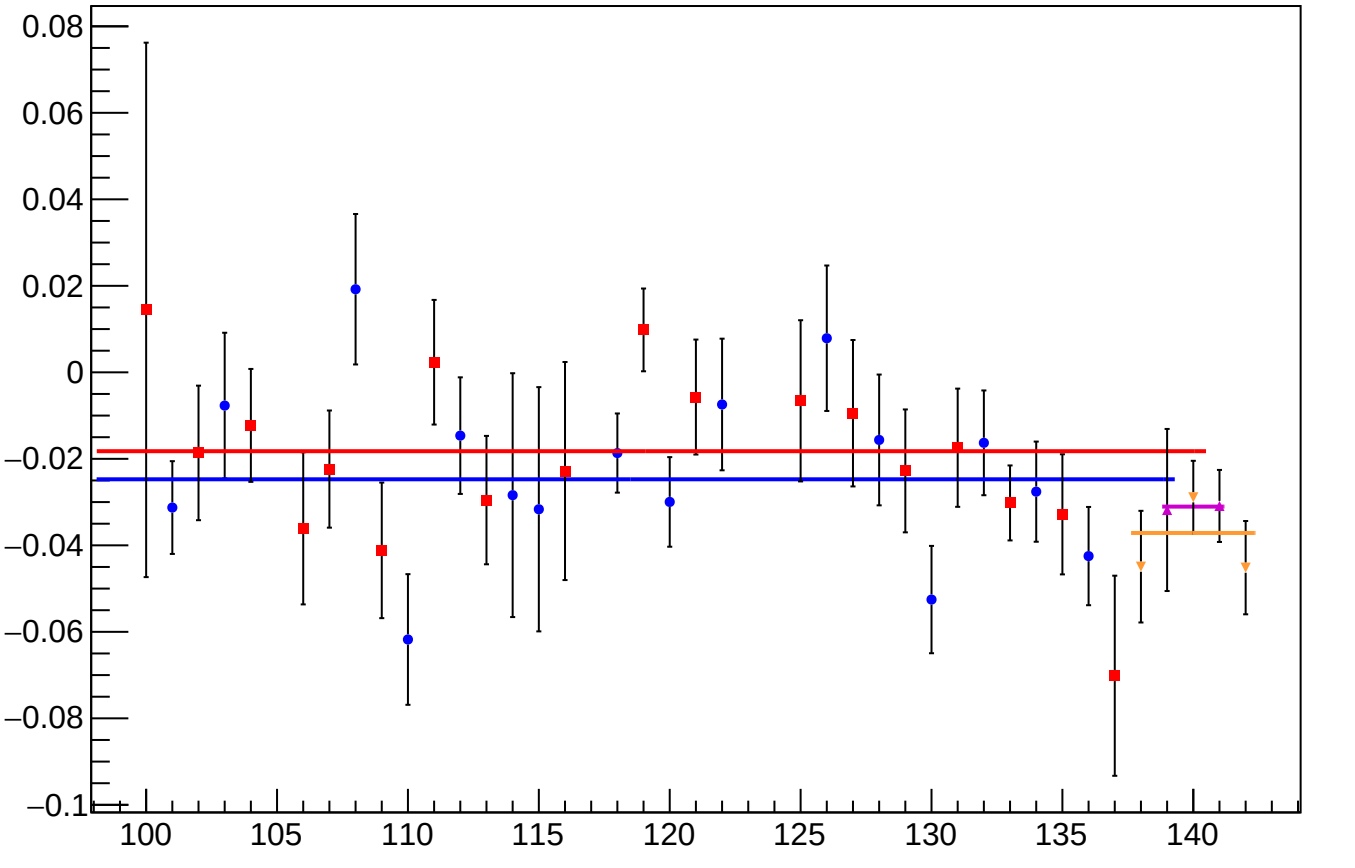
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.096+/-0.008 χ^2/NDF:1.9/1

+ sign -0.001+/-0.003 χ^2/NDF: 1071.6/18

All: -0.010+/-0.002 χ^2/NDF: 2167.6/38

- sign -0.019+/-0.003 χ^2/NDF: 1076.1/19



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.037+/-0.006 χ^2/NDF:1.9/2

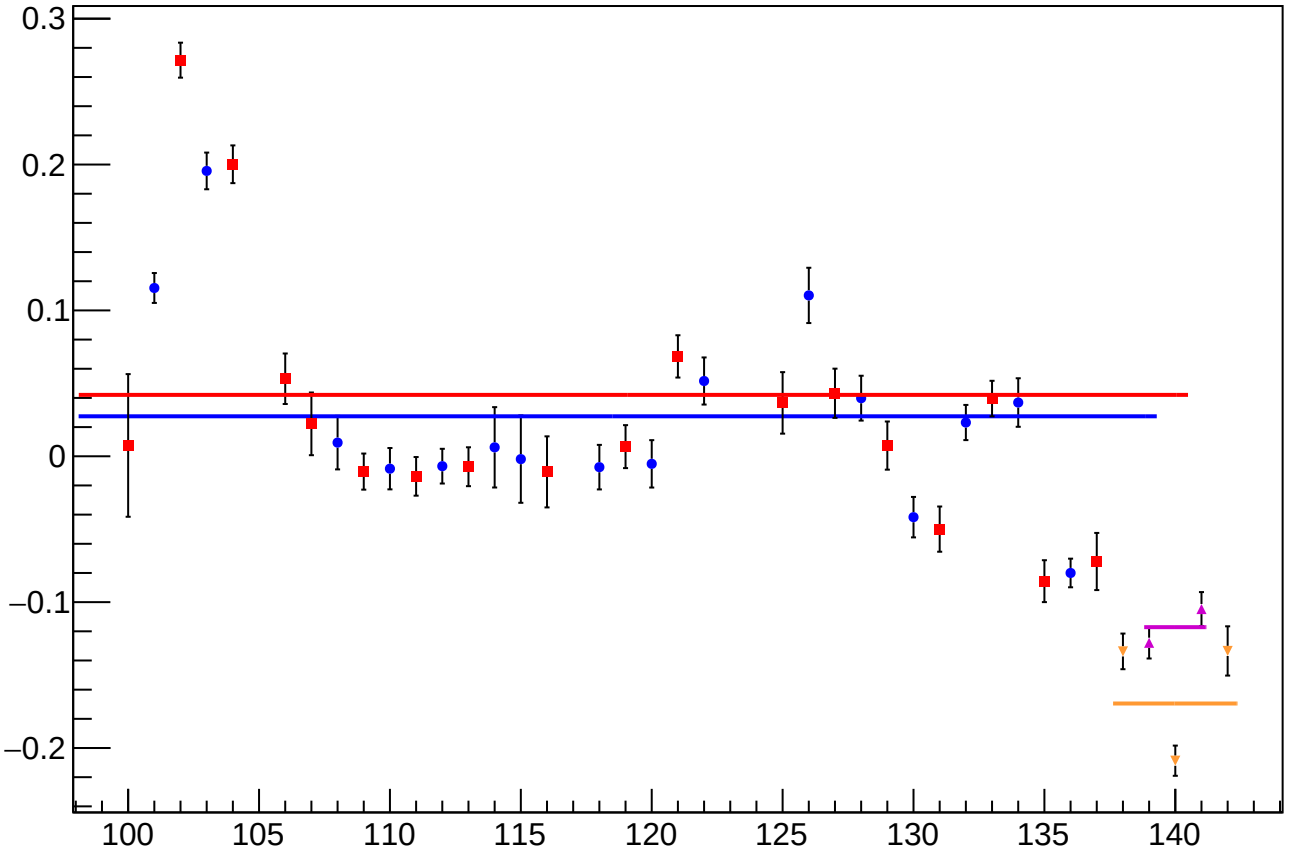
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.008 χ^2/NDF:0.0/1

+ sign -0.028+/-0.003 χ^2/NDF: 33.8/18

All: -0.024+/-0.002 χ^2/NDF: 63.9/38

- sign -0.020+/-0.003 χ^2/NDF: 27.1/19



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.169+/-0.007 χ^2/NDF:27.4/2

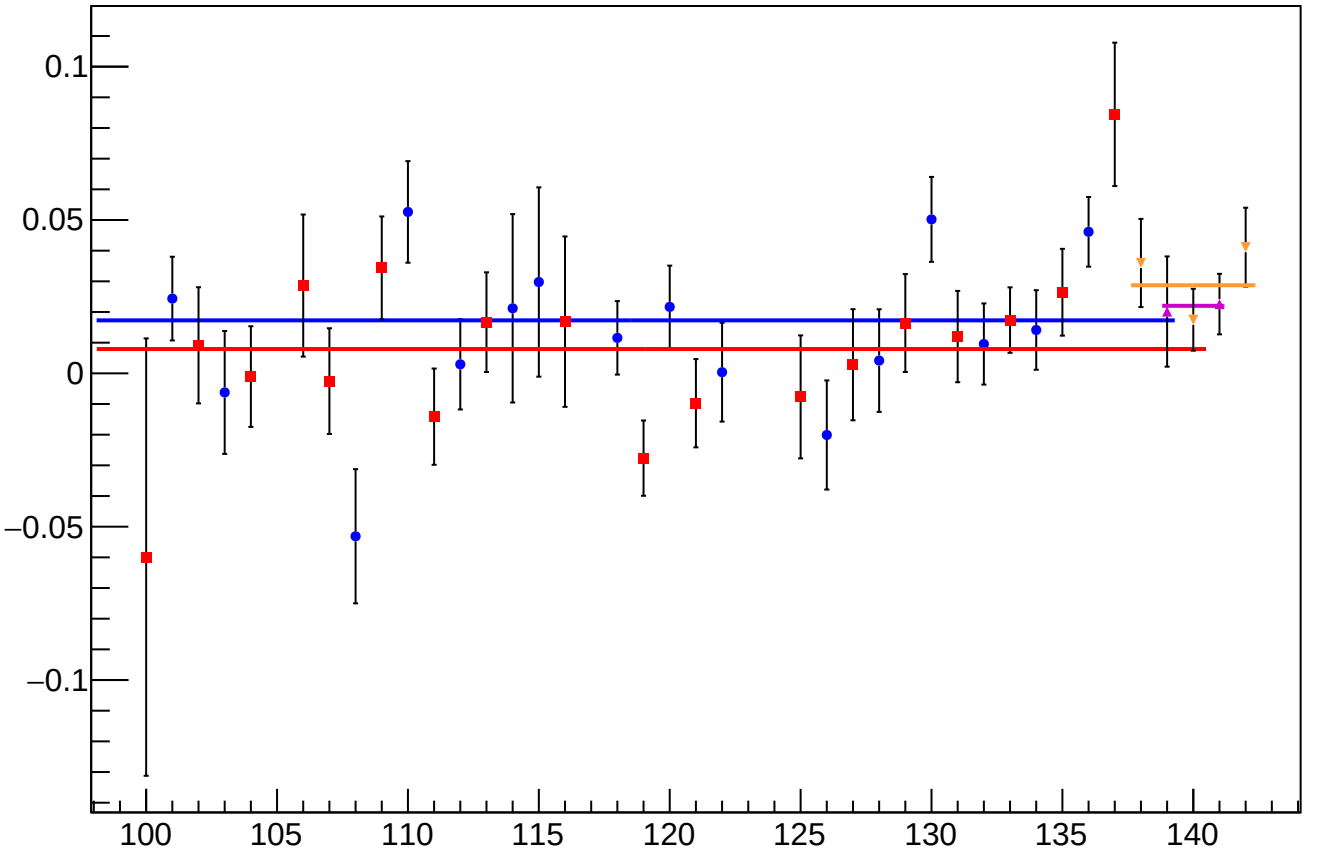
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.117+/-0.008 χ^2/NDF:2.1/1

+ sign -0.012+/-0.003 χ^2/NDF: 1079.6/18

All: 0.001+/-0.002 χ^2/NDF: 2182.2/38

- sign 0.014+/-0.003 χ^2/NDF: 1070.2/19



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.029+/-0.007 χ^2/NDF:2.4/2

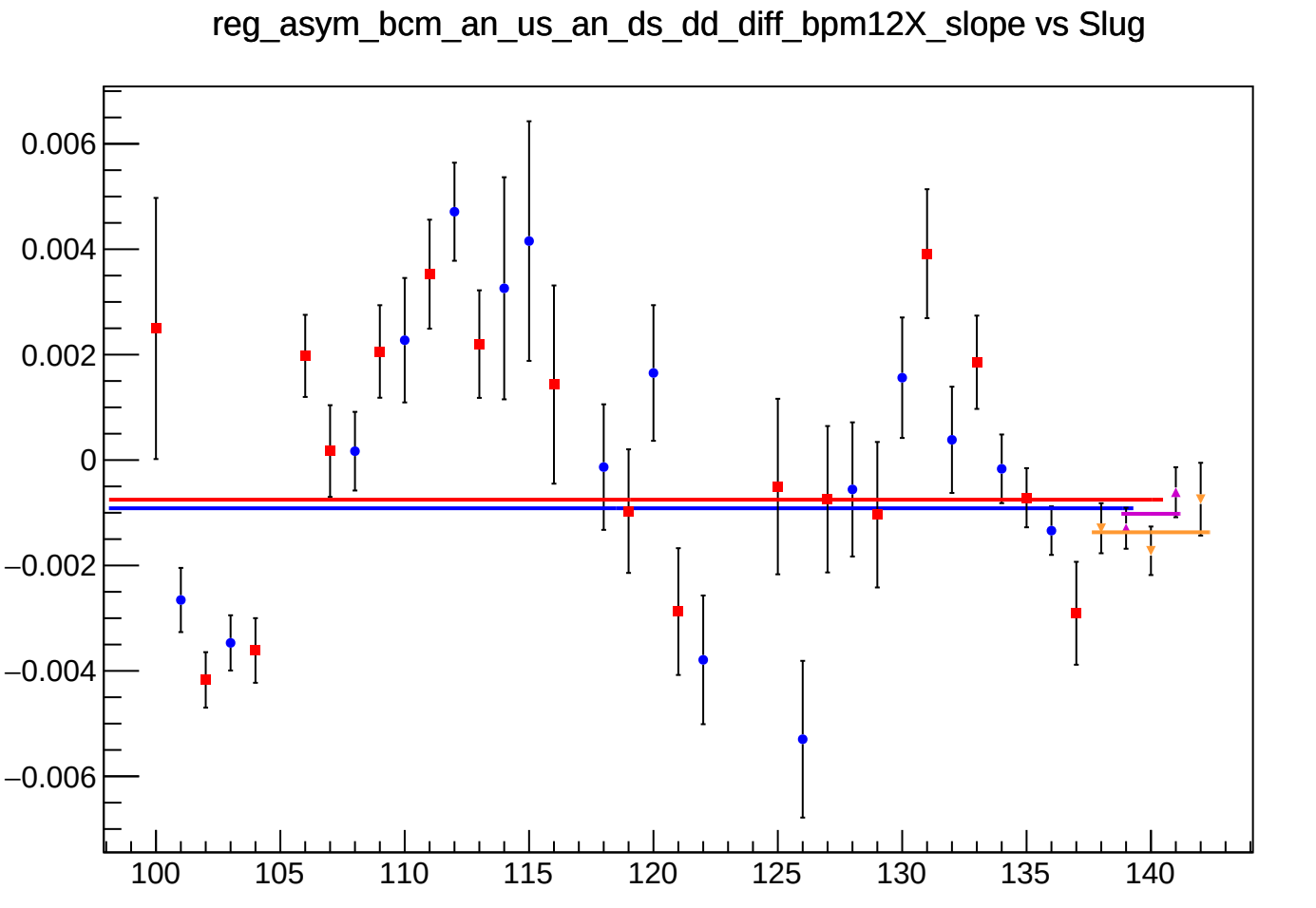
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.022+/-0.009 χ^2/NDF:0.0/1

+ sign 0.020+/-0.003 χ^2/NDF: 41.2/18

All: 0.015+/-0.002 χ^2/NDF: 78.6/38

- sign 0.010+/-0.004 χ^2/NDF: 33.6/19



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:1.4/2

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

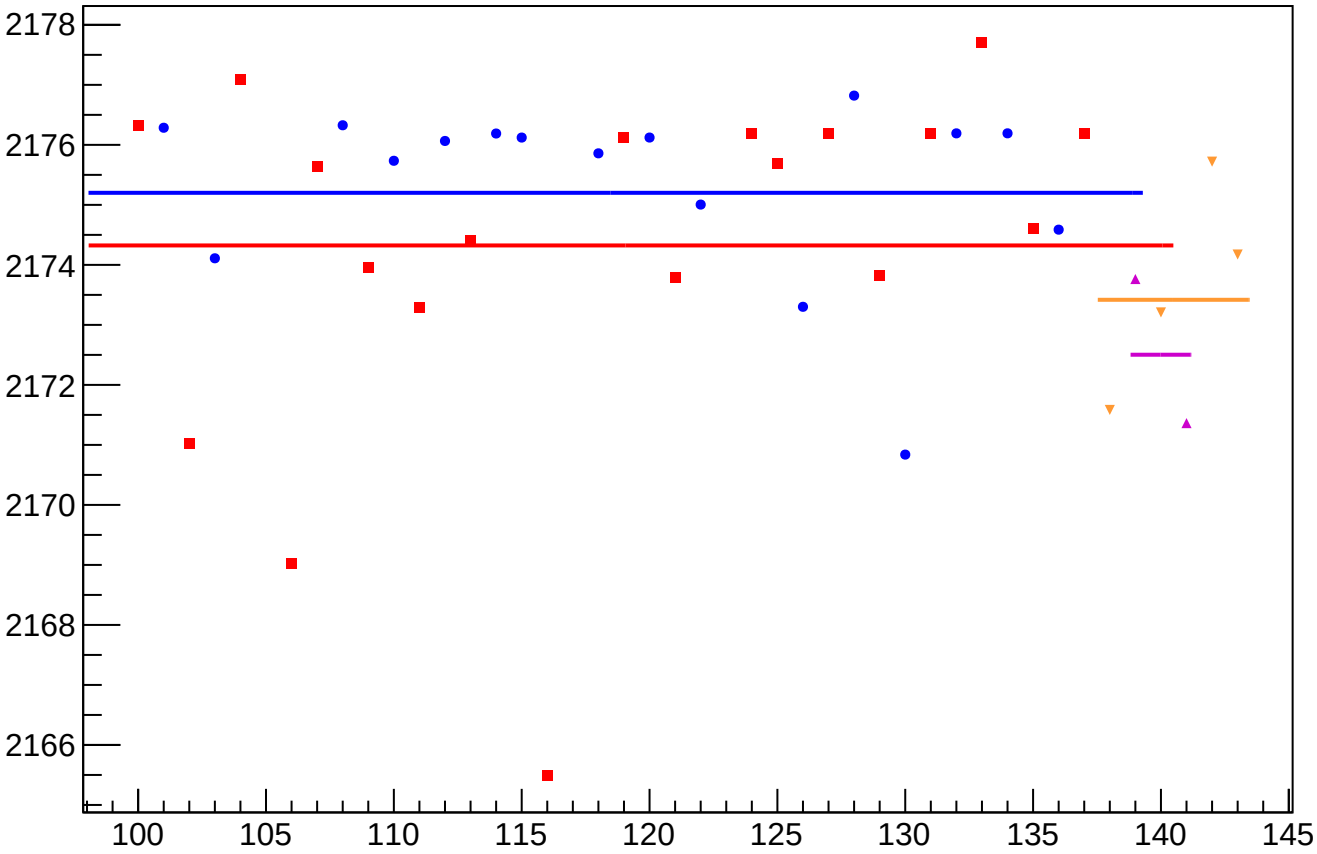
Left In: -0.001+/-0.000 χ^2/NDF:1.2/1

+ sign -0.001+/-0.000 χ^2/NDF: 117.1/18

All: -0.001+/-0.000 χ^2/NDF: 267.3/38

- sign -0.001+/-0.000 χ^2/NDF: 149.4/19

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2173.418+/-0.000 χ^2/NDF:5630102460878185339567249503027 20.0/3

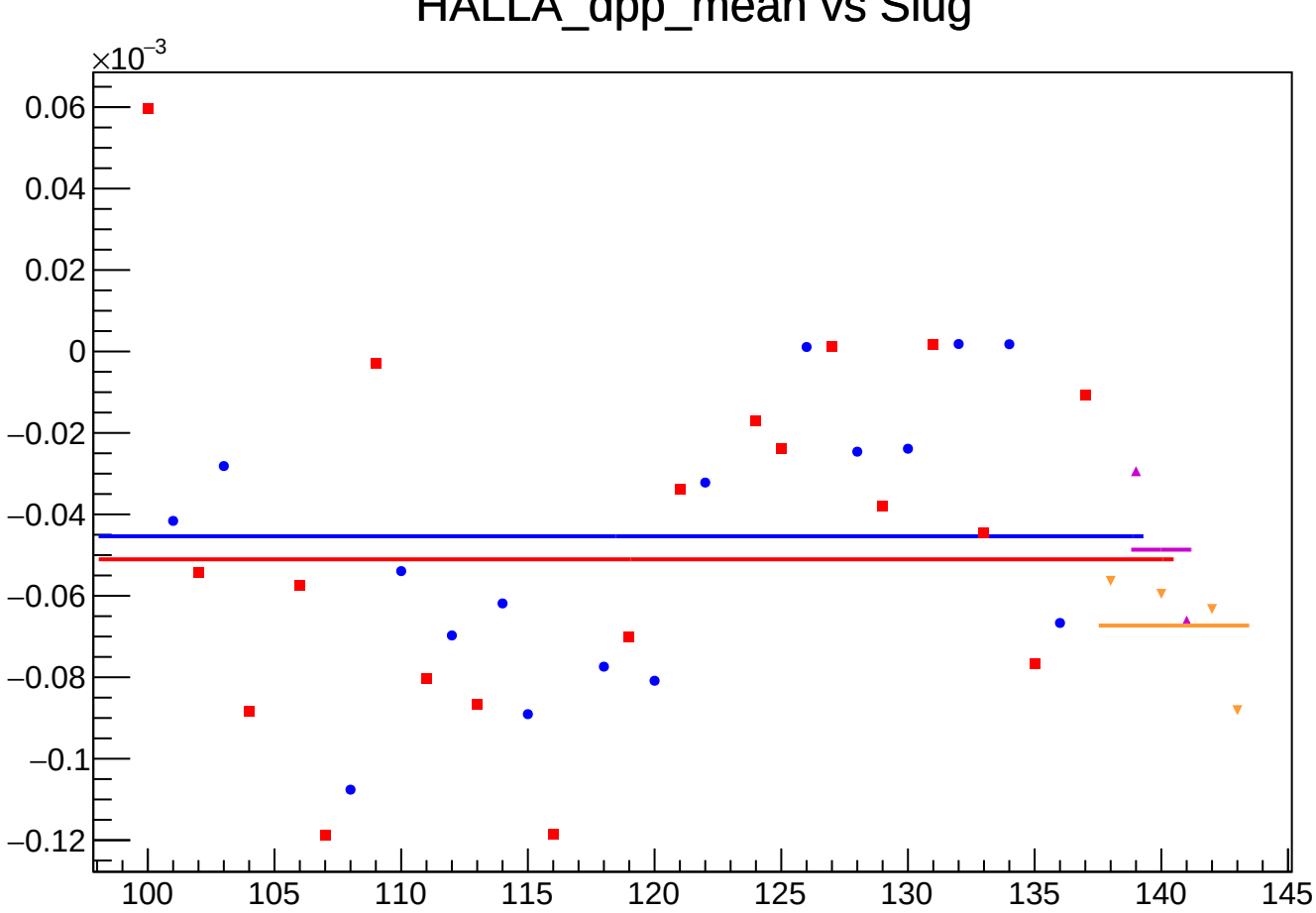
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: 2172.503+/-0.000 χ^2/NDF:254481742495258749255308678266880.0/1

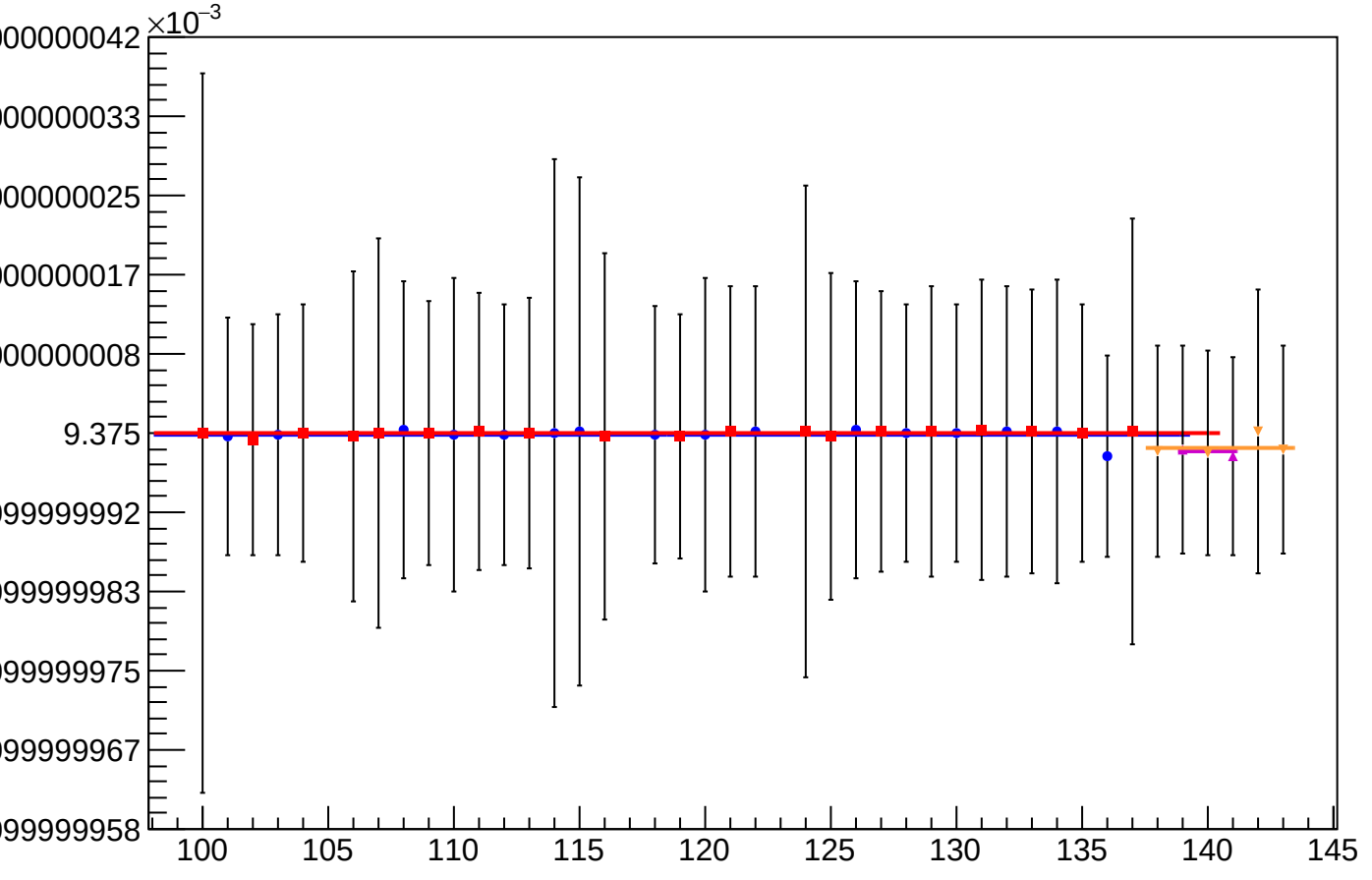
+ sign 2174.691+/-0.000 χ^2/NDF: 3002635349337

All: 2174.353+/-0.000 χ^2/NDF: 952447481

- sign 2173.981+/-0.000 χ^2/NDF: 62732404903385


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:5206025341720707307929 6.0/3
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532 80.0/18
Left In: -0.000+/-0.000 χ²/NDF:5943470580267303200358 4.0/1
+ sign -0.000+/-0.000 χ²/NDF: 8670520392140074
All: -0.000+/-0.000 χ²/NDF: 1939801408125
- sign -0.000+/-0.000 χ²/NDF: 1072194894780212

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:0.0/3

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

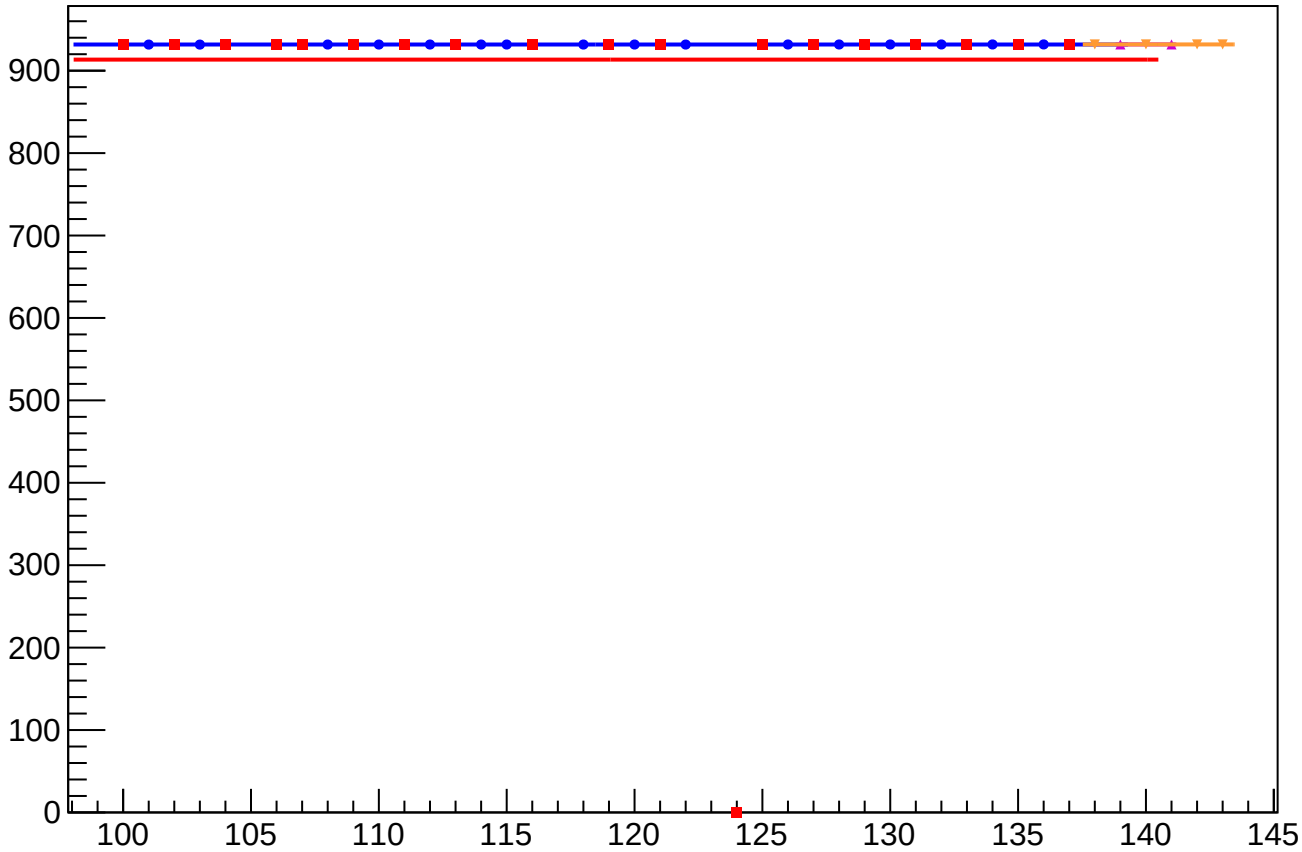
Left In: 0.009+/-0.000 χ^2/NDF:0.0/1

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/19

All: 0.009+/-0.000 χ^2/NDF: 0.2/40

- sign 0.009+/-0.000 χ^2/NDF: 0.1/20

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.873+/-0.000 χ^2/NDF:131823683028416141328761487360.0/3

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

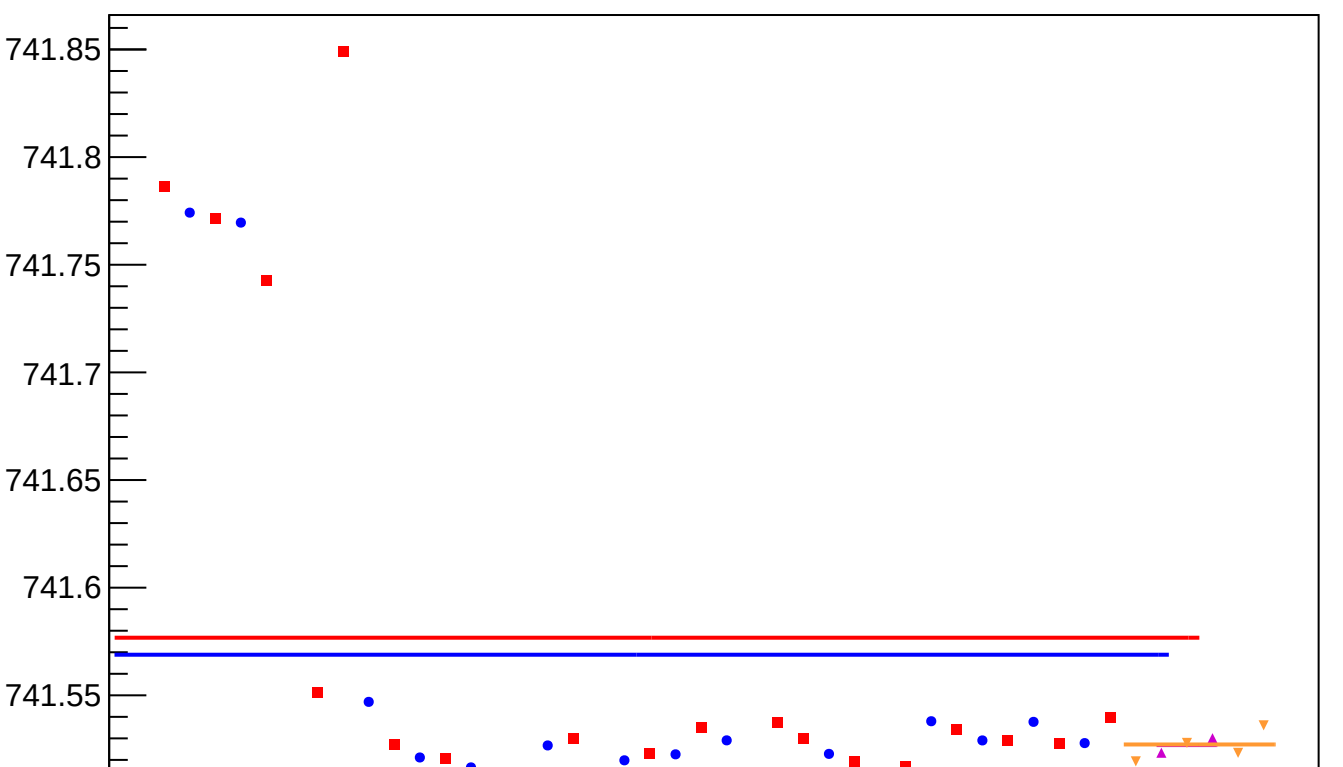
Left In: 931.872+/-0.000 χ^2/NDF:18601691247532760569437224960.0/1

+ sign 931.799+/-0.000 χ^2/NDF: 504799544113302

All: 924.726+/-0.000 χ^2/NDF: 1292391337680

- sign 916.916+/-0.000 χ^2/NDF: 128146515367780

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

+ sign 741.557+/-0.000 χ^2/NDF: 681375136510402

Left Out: 741.527+/-0.000 χ^2/NDF:123466399495366354417420861 44.0/3

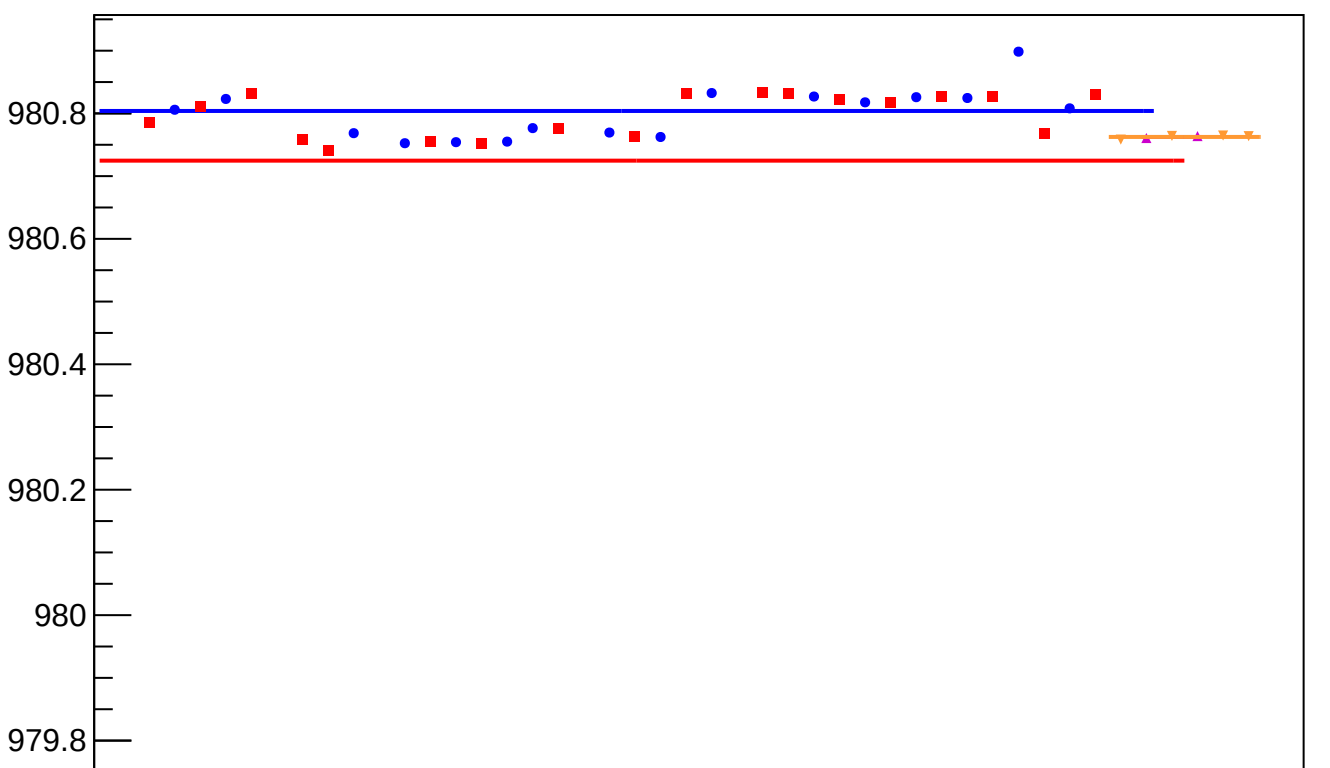
All: 741.562+/-0.000 χ^2/NDF: 14919130711

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

- sign 741.567+/-0.000 χ^2/NDF: 805162678846706

Left In: 741.527+/-0.000 χ^2/NDF:201194220247773143282116 1984.0/1

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.762+/-0.000 χ^2/NDF:2052190097452029931188912128.0/3

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

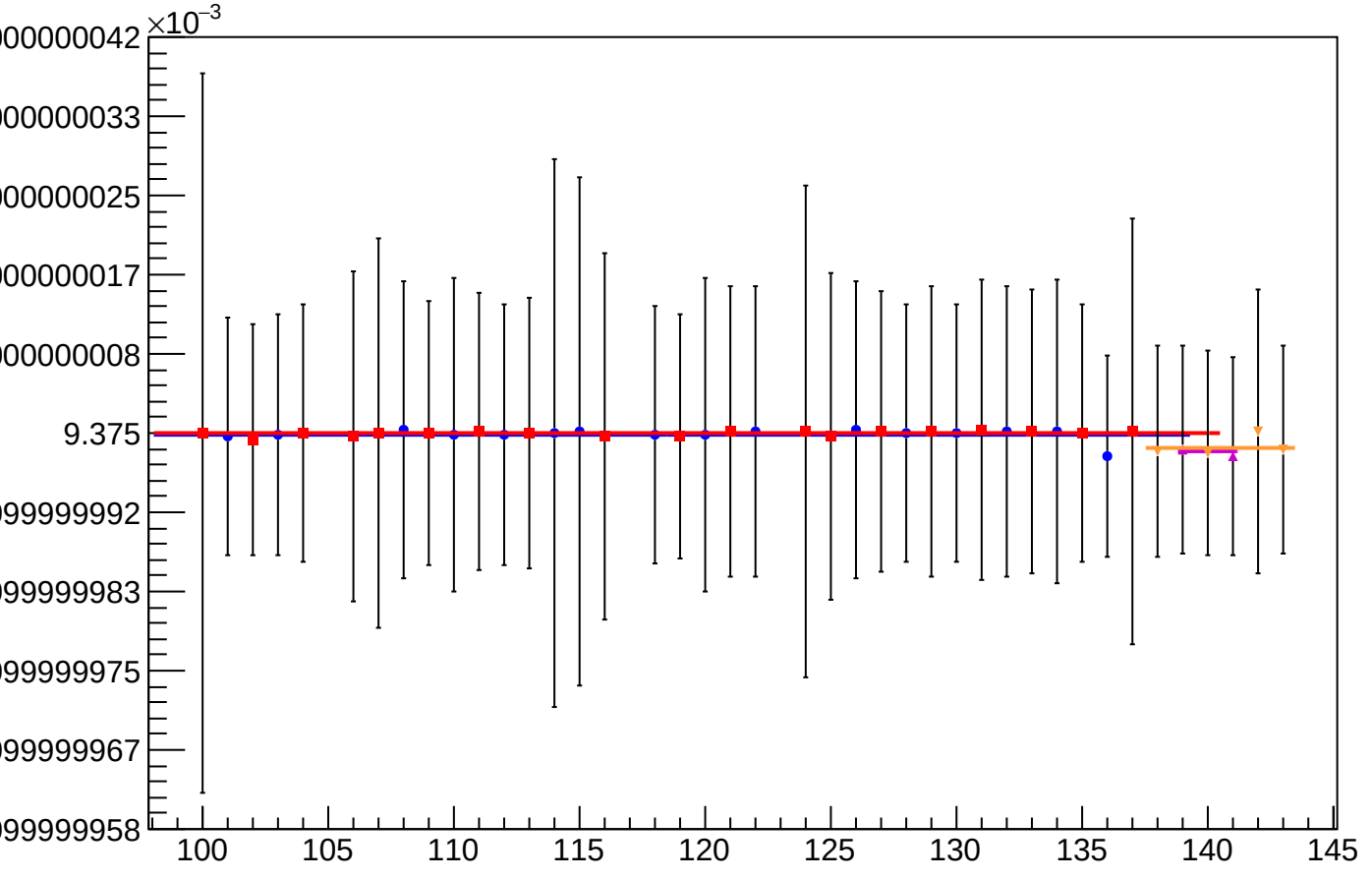
Left In: 980.762+/-0.000 χ^2/NDF:42062819278796583349308620 8.0/1

+ sign 980.792+/-0.000 χ^2/NDF: 129901813393184

All: 980.763+/-0.000 χ^2/NDF: 593357461572

- sign 980.732+/-0.000 χ^2/NDF: 562450055012843

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:0.0/3

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

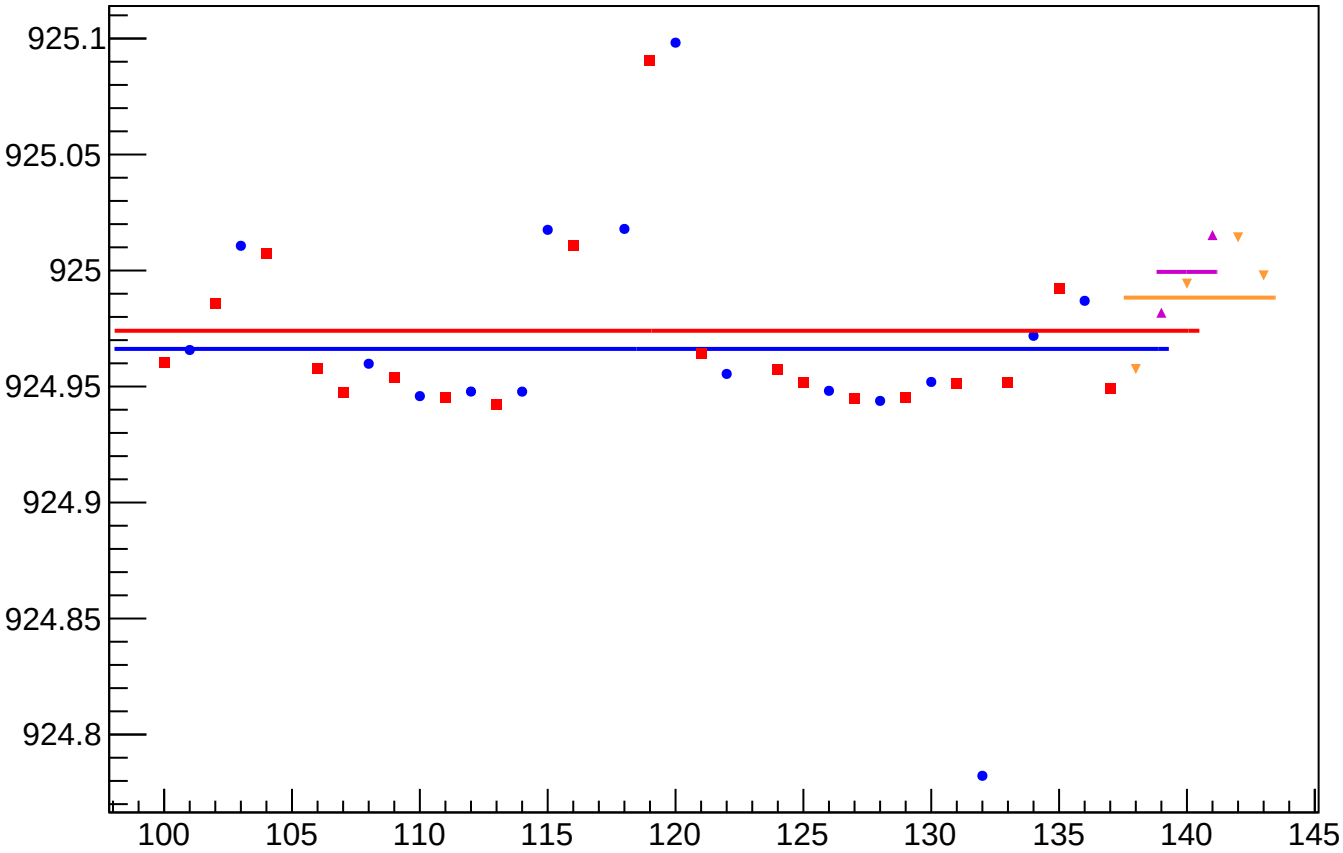
Left In: 0.009+/-0.000 χ^2/NDF:0.0/1

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/19

All: 0.009+/-0.000 χ^2/NDF: 0.2/40

- sign 0.009+/-0.000 χ^2/NDF: 0.1/20

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.988+/-0.000 χ^2/NDF:1179852977164938619429175951360.0/3

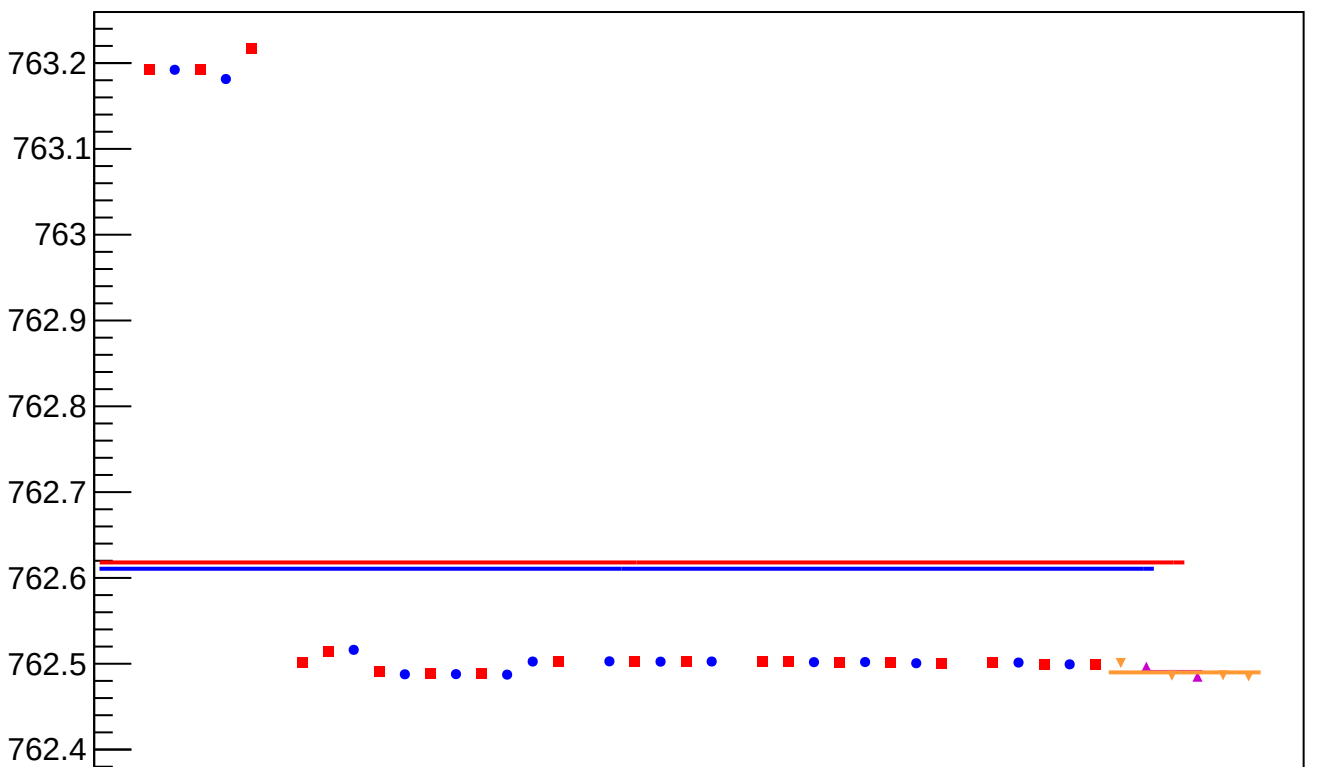
Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: 924.999+/-0.000 χ^2/NDF:4940148067522960157554665062 4.0/1

+ sign 924.973+/-0.000 χ^2/NDF: 276597569005022

All: 924.976+/-0.000 χ^2/NDF: 4169264847 66

- sign 924.979+/-0.000 χ^2/NDF: 138383706831537



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.490+/-0.000 χ^2/NDF:1327693102705916820546230681 6.0/3

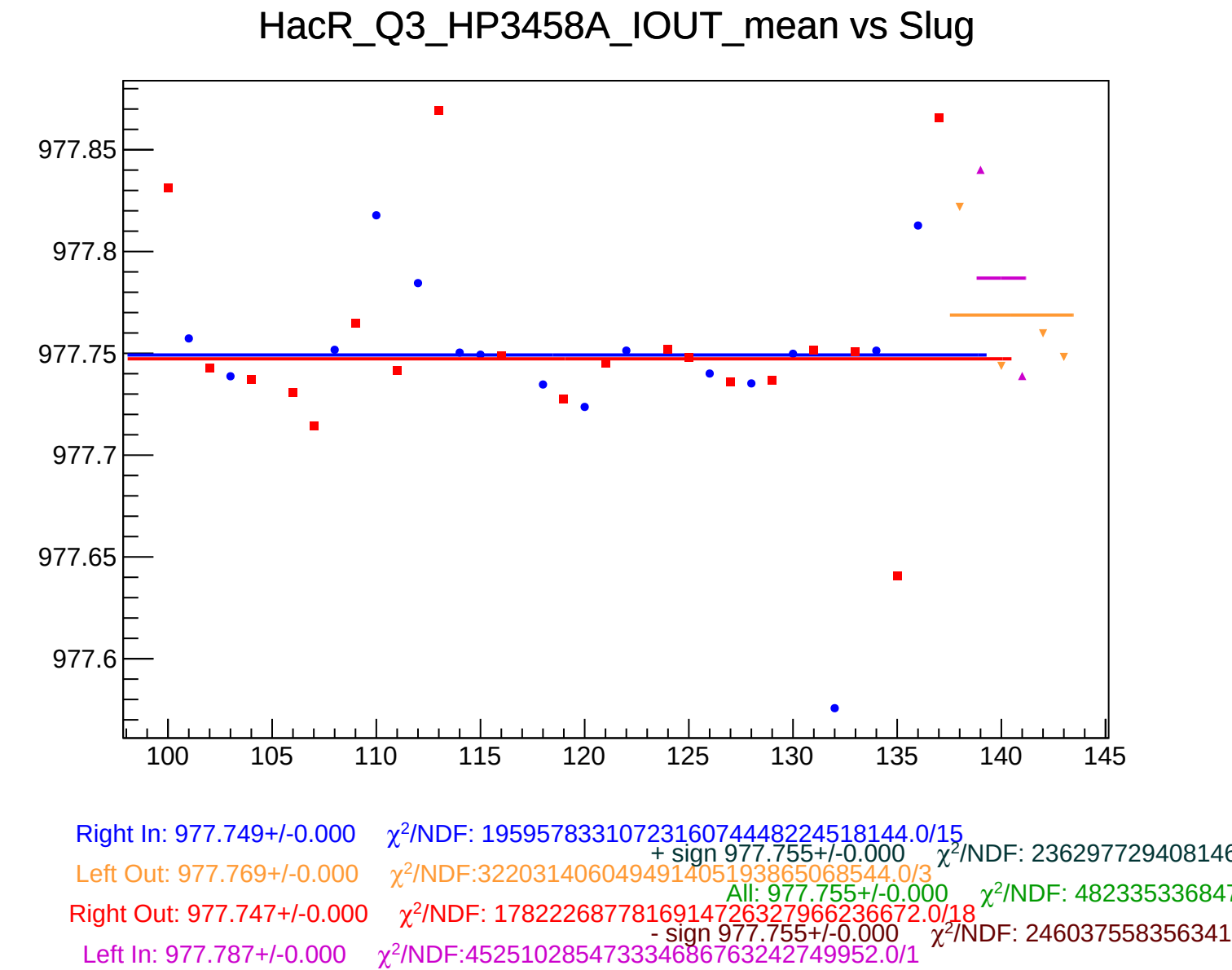
Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: 762.490+/-0.000 χ^2/NDF:59692340727062448563740999 68.0/1

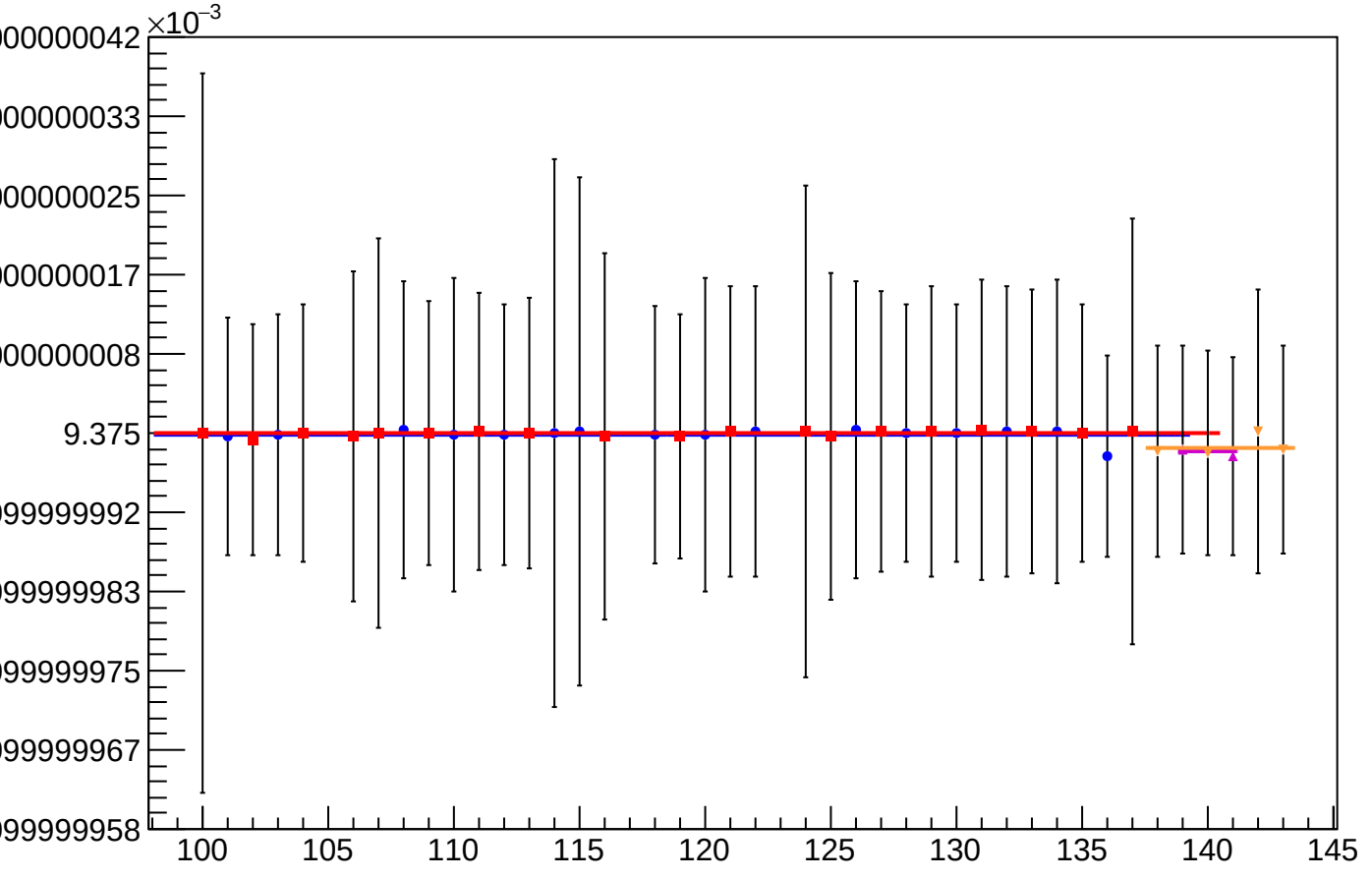
+ sign 762.576+/-0.000 χ^2/NDF: 552677256484667

All: 762.585+/-0.000 χ^2/NDF: 11090447170

- sign 762.594+/-0.000 χ^2/NDF: 554790053665831


HacR_Q3_HP3458A_IOUT_mean vs Slug
977.85
977.8
977.75
977.7
977.65
977.6
100
105
110
115
120
125
130
135
140
145
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Left Out: 977.769+/-0.000 χ²/NDF:32203140604949140519386506854 4.0/3
Right Out: 977.747+/-0.000 χ²/NDF: 178222687781691472632796623667 2.0/18
Left In: 977.787+/-0.000 χ²/NDF:45251028547333468676324274995 2.0/1
+ sign 977.755+/-0.000 χ²/NDF: 23629772940814
All: 977.755+/-0.000 χ²/NDF: 4823353368
- sign 977.755+/-0.000 χ²/NDF: 246037558356341

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/3

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

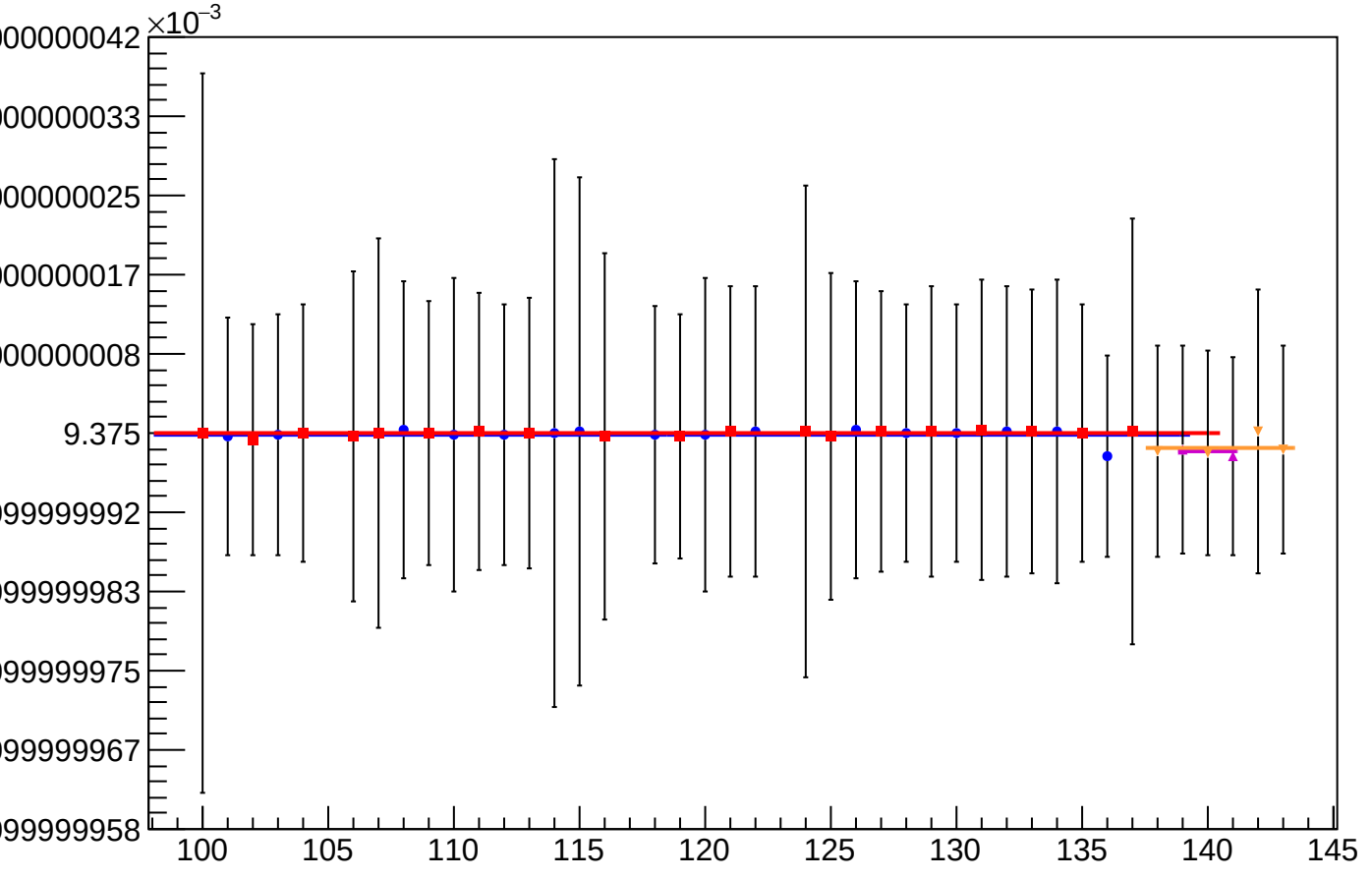
Left In: 0.009+/-0.000 χ^2/NDF:0.0/1

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/19

All: 0.009+/-0.000 χ^2/NDF: 0.2/40

- sign 0.009+/-0.000 χ^2/NDF: 0.1/20

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:0.0/3

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/1

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/19

All: 0.009+/-0.000 χ^2/NDF: 0.2/40

- sign 0.009+/-0.000 χ^2/NDF: 0.1/20

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:2520315.9/3

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

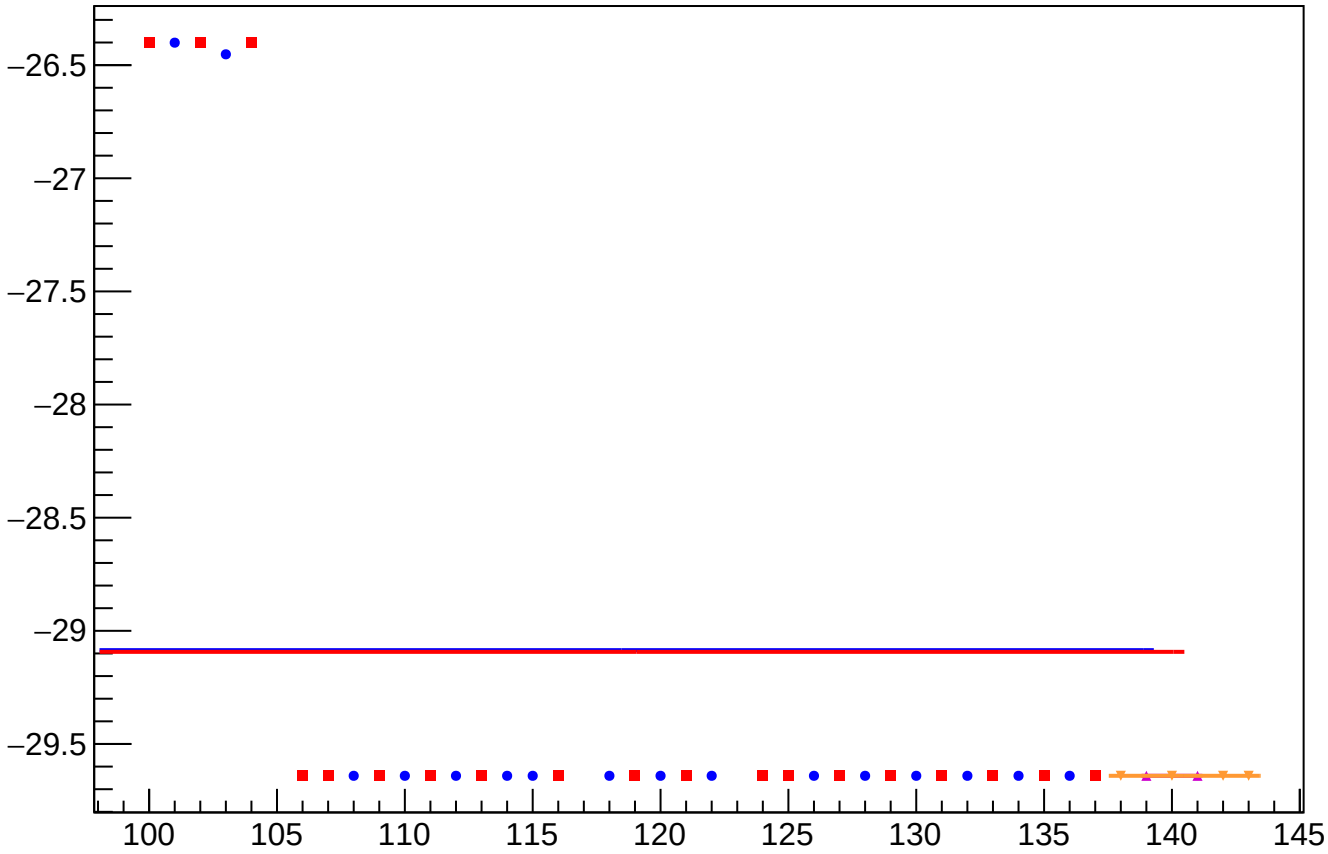
Left In: -90.599+/-0.000 χ^2/NDF:185994.5/1

+ sign 36.898+/-0.000 χ^2/NDF: 6763012854450861

All: 45.203+/-0.000 χ^2/NDF: 1149660137211

- sign 54.373+/-0.000 χ^2/NDF: 4582959456902925

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:147939.8/3

Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:5414.7/1

+ sign -29.244+/-0.000 χ^2/NDF: 115974689677953

All: -29.221+/-0.000 χ^2/NDF: 232924334768

- sign -29.196+/-0.000 χ^2/NDF: 116834937702129

Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1471.897+/-0.000 χ^2/NDF: 1132801980432

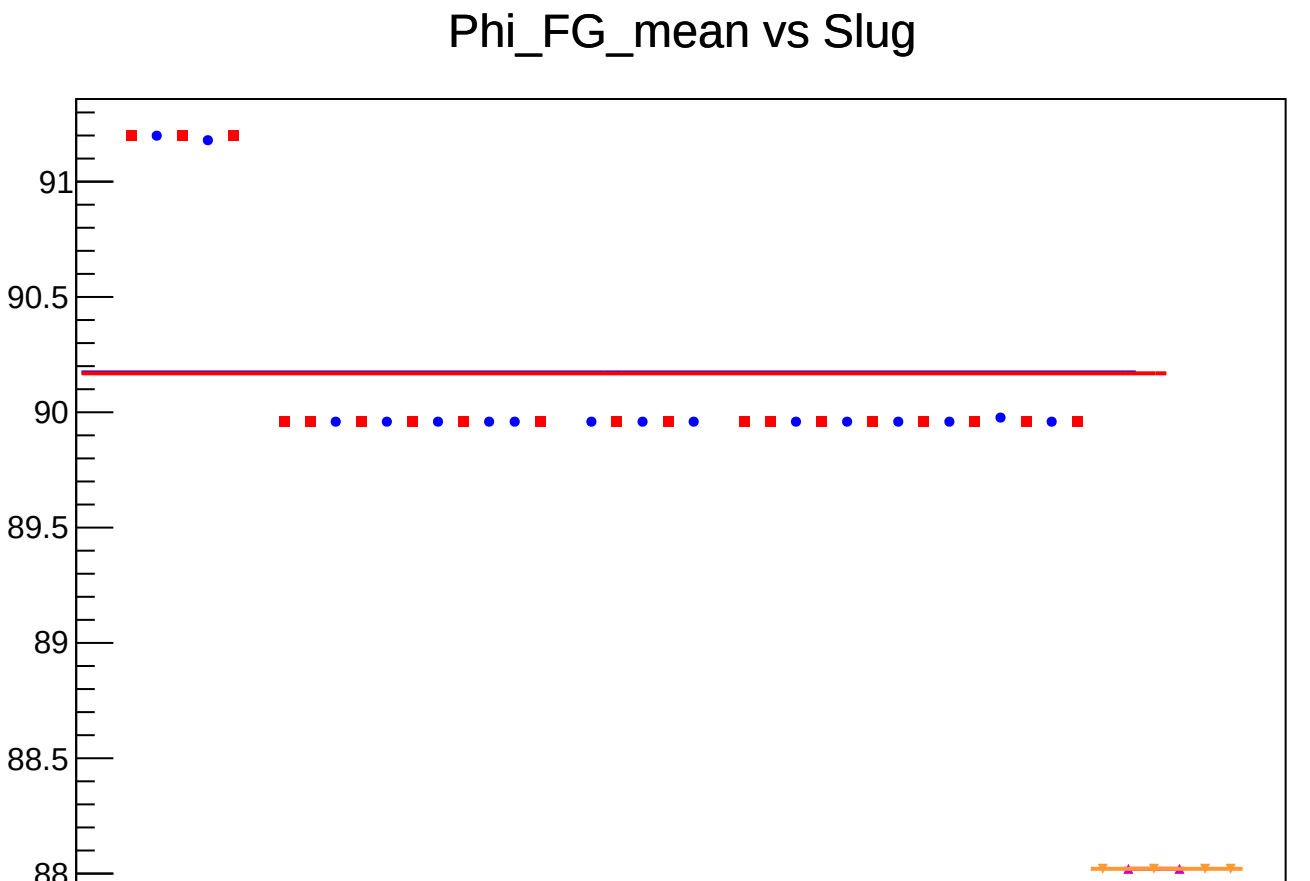
Left Out: 1467.979+/-0.000 χ^2/NDF:238848401.9/3

All: 1472.124+/-0.000 χ^2/NDF: 227512699

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

- sign 1472.374+/-0.000 χ^2/NDF: 11412045954180

Left In: 1467.979+/-0.000 χ^2/NDF:4807987.3/1



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2231327.8/3

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

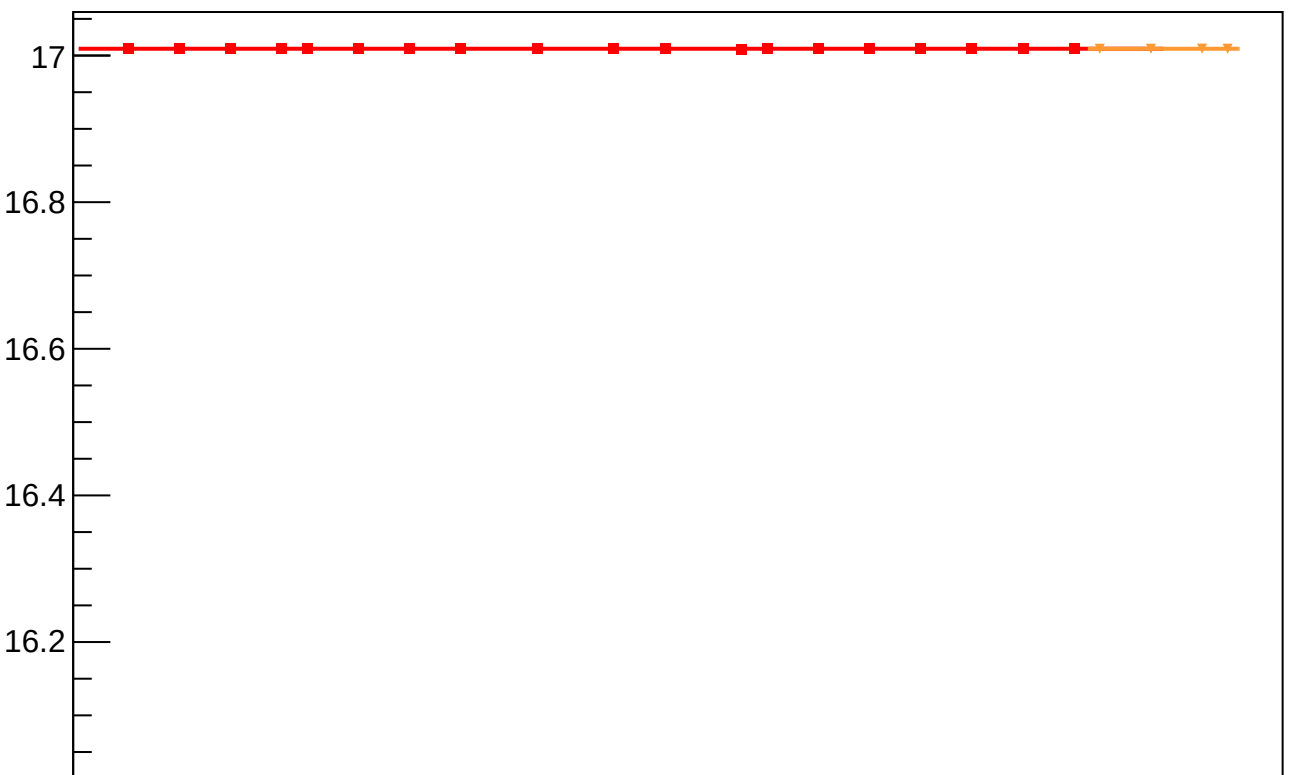
Left In: 88.021+/-0.000 χ^2/NDF:92088.5/1

+ sign 89.557+/-0.000 χ^2/NDF: 1141947492241251

All: 89.656+/-0.000 χ^2/NDF: 199102280602

- sign 89.764+/-0.000 χ^2/NDF: 8278489495345272

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:92173246199212508027289 6.0/3

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

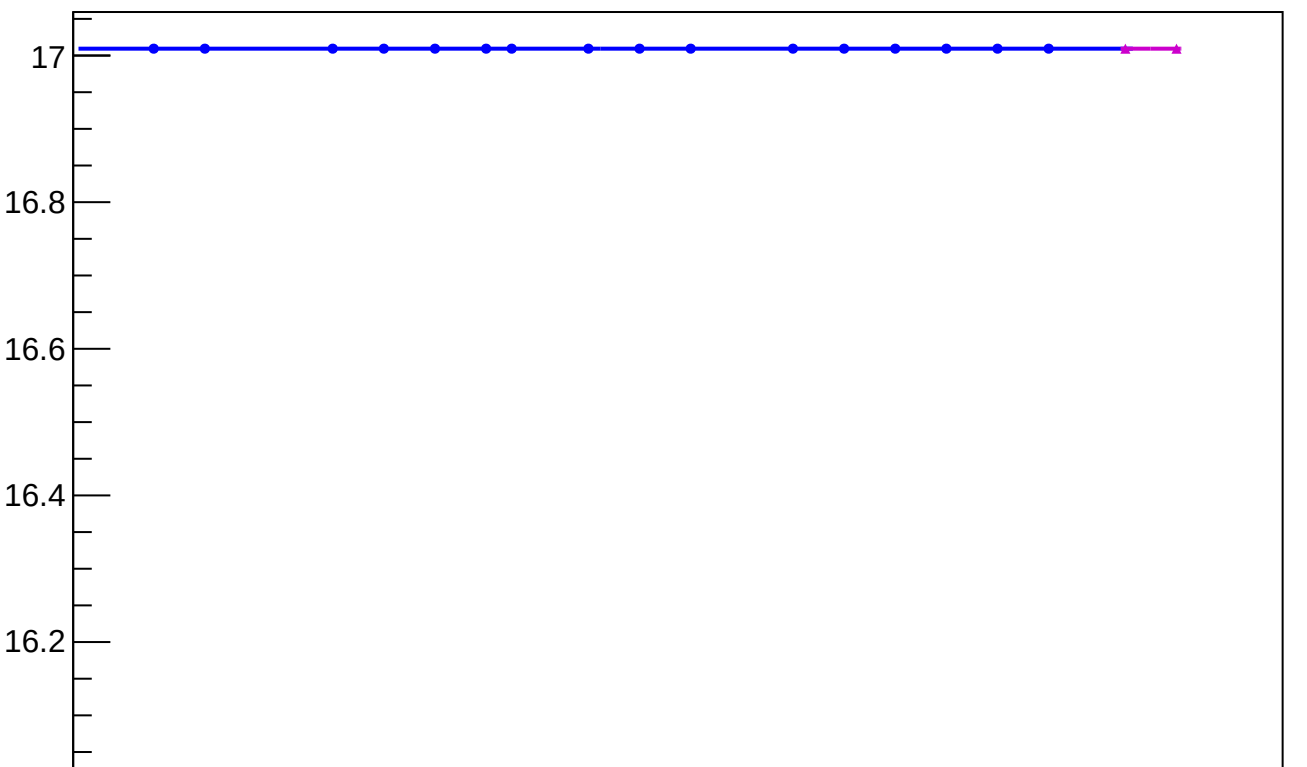
Left In: 16.009+/-0.000 χ^2/NDF:984.5/1

+ sign 16.279+/-0.000 χ^2/NDF: 1891510182441945

All: 16.534+/-0.000 χ^2/NDF: 4528447330245

- sign 16.820+/-0.000 χ^2/NDF: 1312815938943664

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:26164.9/3

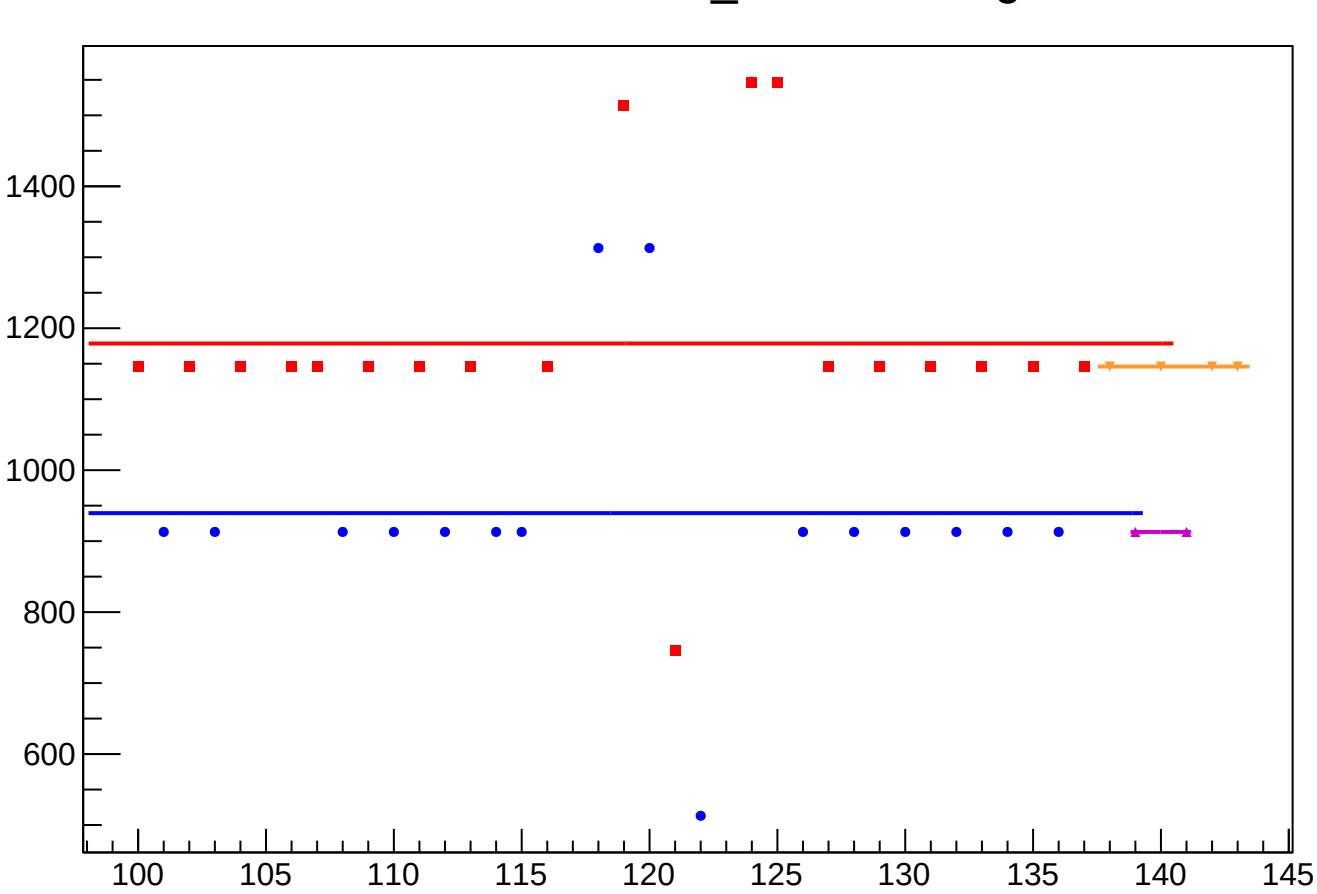
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:1173.8/1

+ sign 16.714+/-0.000 χ^2/NDF: 2091424302788829

All: 16.465+/-0.000 χ^2/NDF: 481187628865

- sign 16.198+/-0.000 χ^2/NDF: 1435288461538345



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 998.550+/-0.000 χ^2/NDF: 301297122505248

Left Out: 1146.012+/-0.000 χ^2/NDF:1297785288529951922990350336.0/3

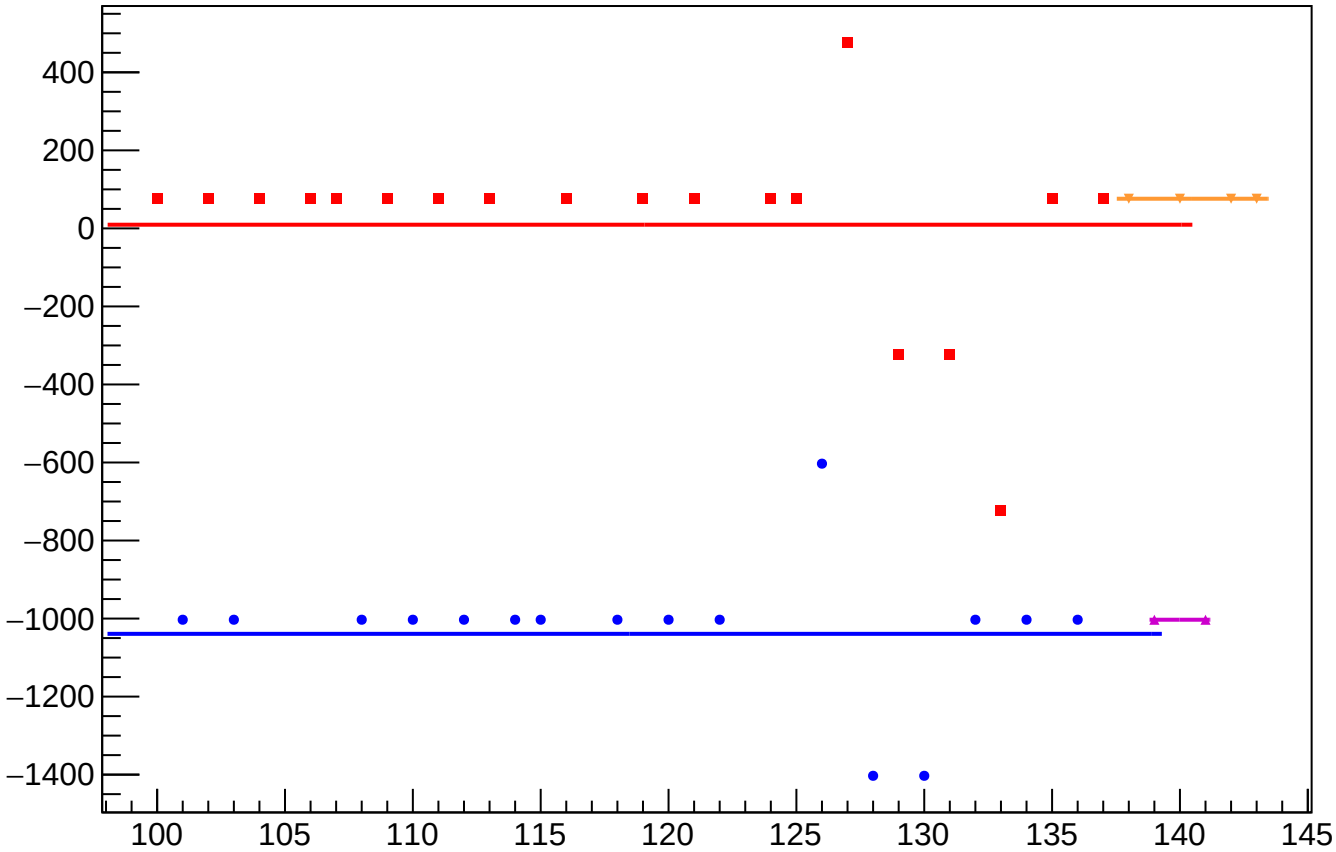
All: 1060.313+/-0.000 χ^2/NDF: 707312361681

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1128.516+/-0.000 χ^2/NDF: 32269392211332

Left In: 912.991+/-0.000 χ^2/NDF:13034010827765902905180 16.0/1

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -720.077+/-0.000 χ^2/NDF: 2865387830009

Left Out: 76.012+/-0.000 χ^2/NDF:19651220502375647446701178880.0/3

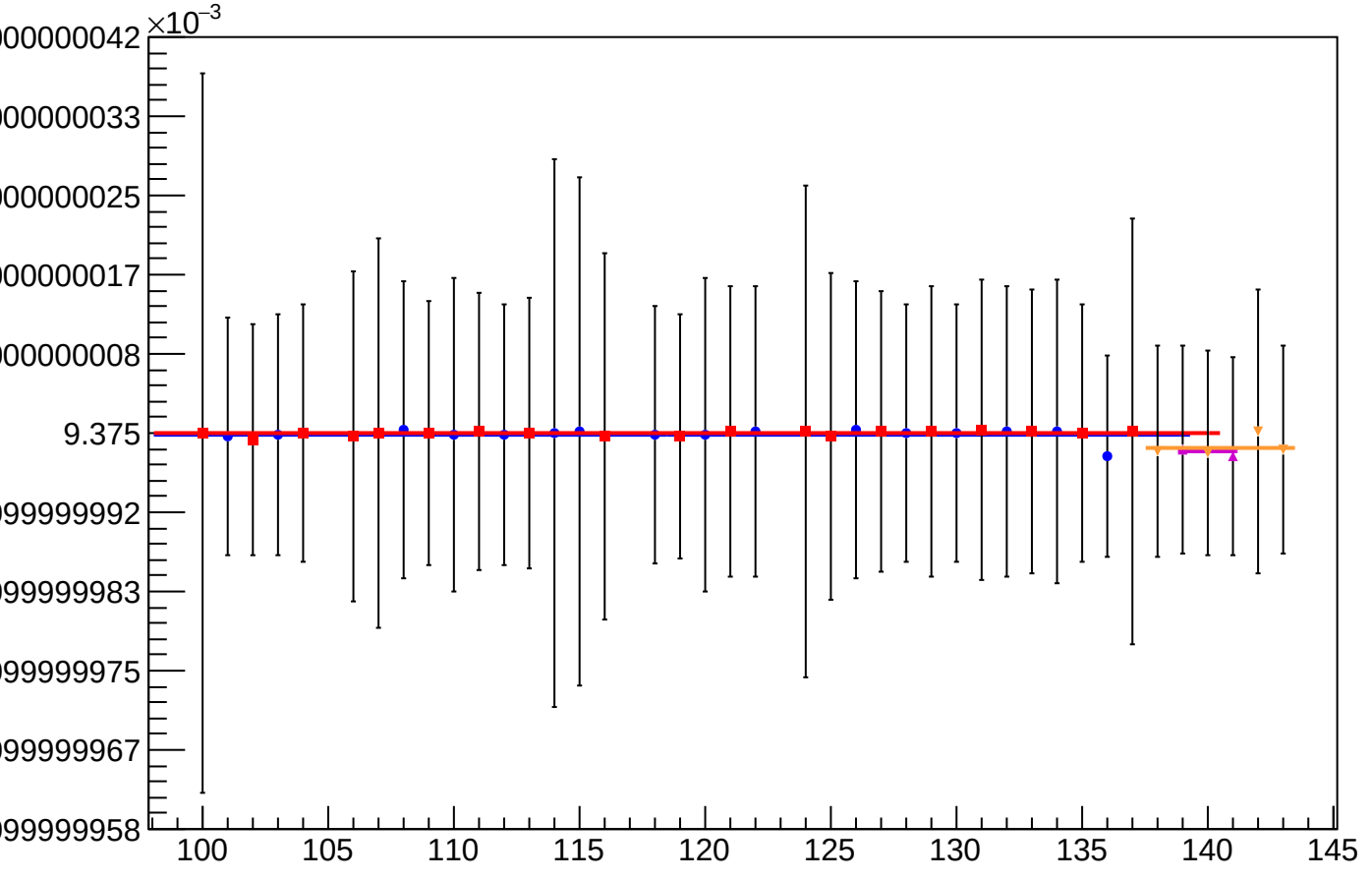
All: -463.991+/-0.000 χ^2/NDF: 6230993197

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -181.207+/-0.000 χ^2/NDF: 193319697587876

Left In: -1002.990+/-0.000 χ^2/NDF:87017011574707556569841664.0/1

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:0.0/3

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

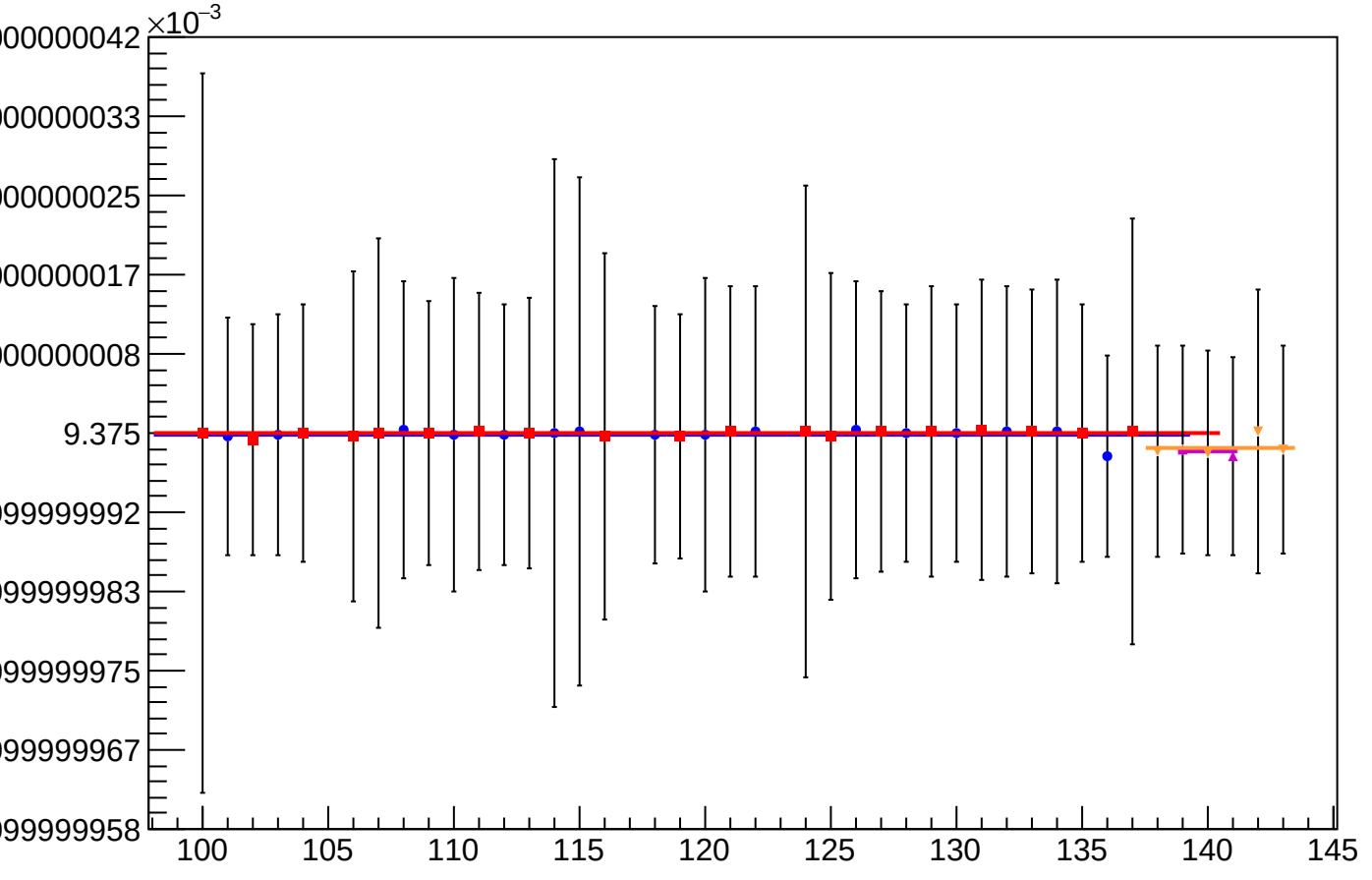
Left In: 0.009+/-0.000 χ^2/NDF:0.0/1

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/19

All: 0.009+/-0.000 χ^2/NDF: 0.2/40

- sign 0.009+/-0.000 χ^2/NDF: 0.1/20

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:0.0/3

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/1

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/19

All: 0.009+/-0.000 χ^2/NDF: 0.2/40

- sign 0.009+/-0.000 χ^2/NDF: 0.1/20